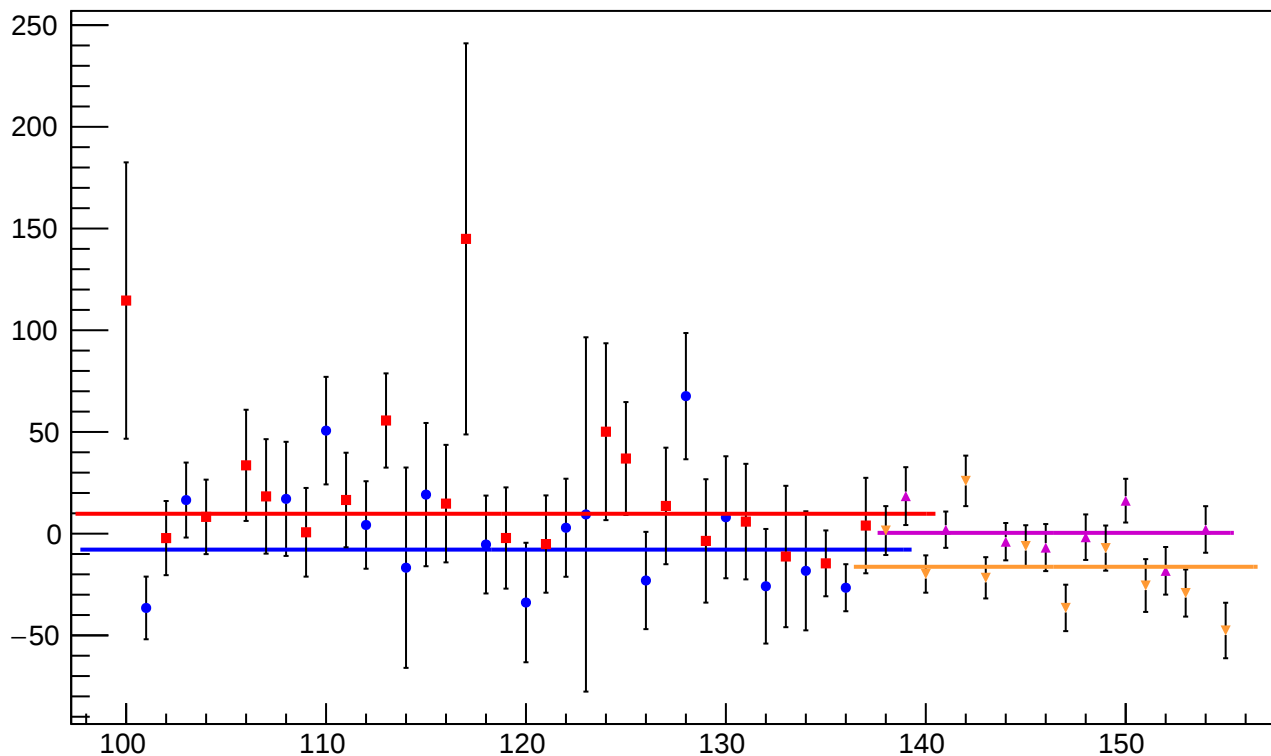


diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.841 $\pm$ 5.608

χ^2/NDF : 22.6/16

Left Out: -16.281 $\pm$ 3.554

χ^2/NDF : 26.0/9

Right Out: 9.781 $\pm$ 5.667

χ^2/NDF : 15.2/19

Left In: 0.394 $\pm$ 3.823

χ^2/NDF : 7.0/7

-13.863 $\pm$ 3.002

χ^2/NDF : 50.3/26

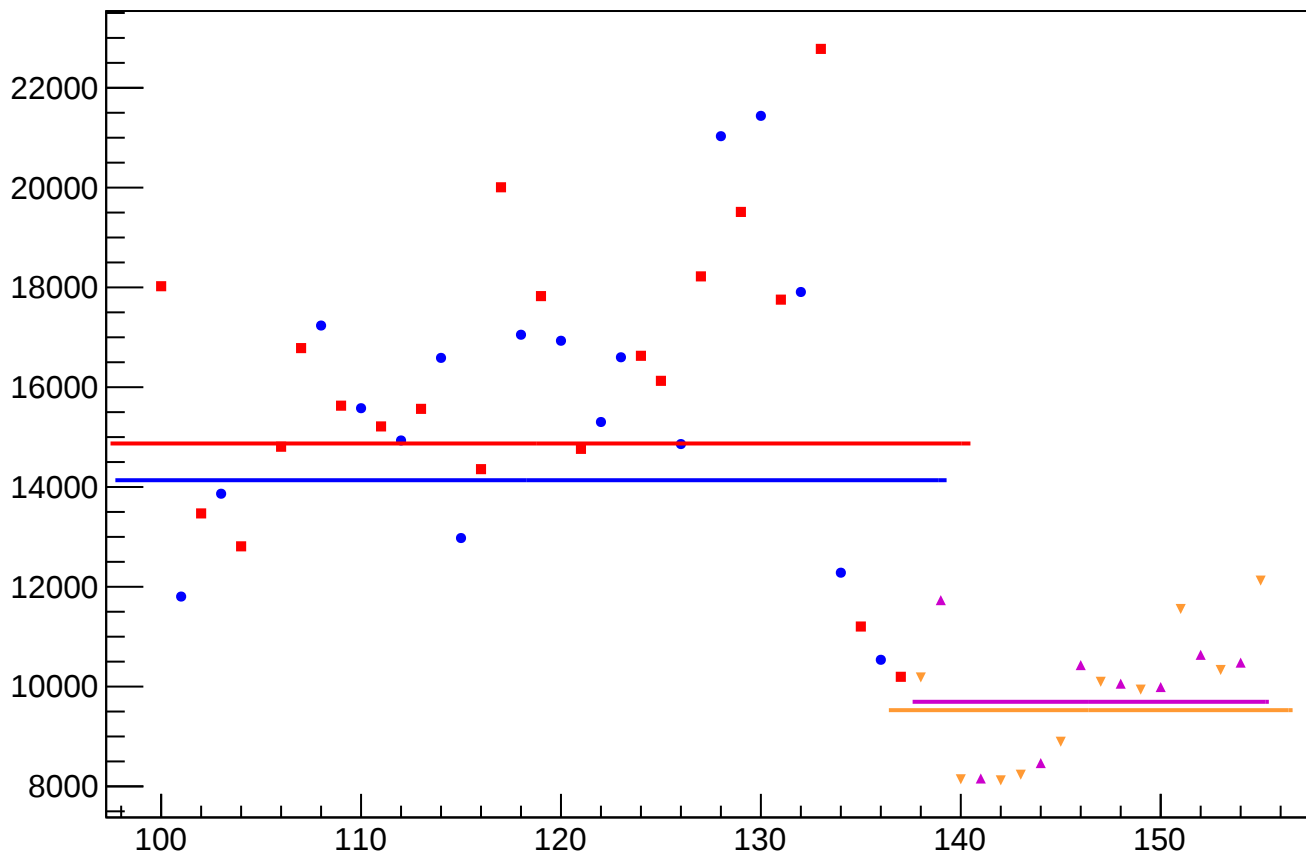
-5.731 $\pm$ 2.180

χ^2/NDF : 89.9/54

3.330 $\pm$ 3.169

χ^2/NDF : 24.1/27

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14135.800 $\pm$ 3.966 χ^2 /NDF: 597179.4/16

Left Out: 9527.364 $\pm$ 2.513 χ^2 /NDF: 256111.3/9

Right Out: 14871.940 $\pm$ 4.007 χ^2 /NDF: 477742.9/19

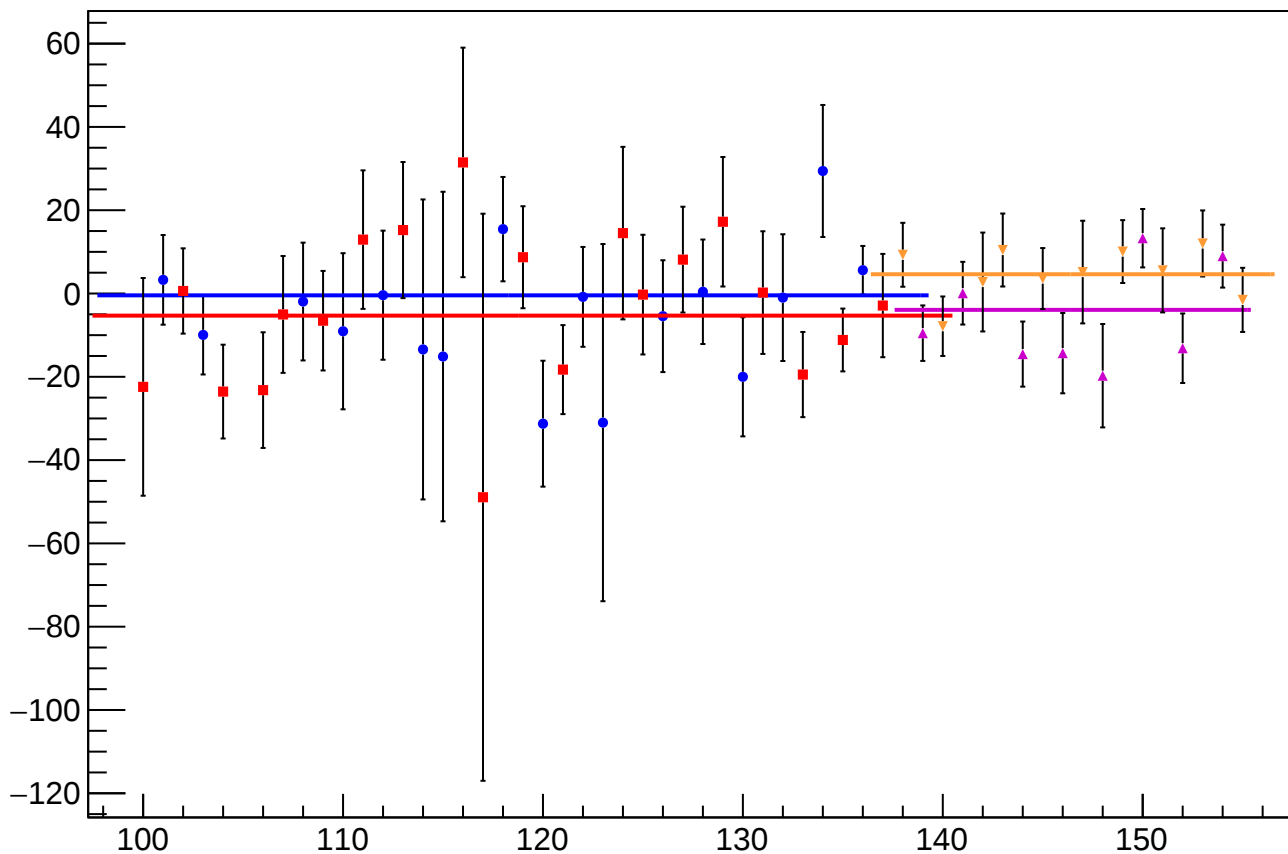
Left In: 9695.089 $\pm$ 2.703 χ^2 /NDF: 170289.5/7

10848.014 $\pm$ 2.123 χ^2 /NDF: 1816724.6/26

11068.371 $\pm$ 1.541 χ^2 /NDF: 3634493.6/5

11313.910 $\pm$ 2.241 χ^2 /NDF: 1794989.3/27

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.441 $\pm$ 3.071 χ^2/NDF : 14.5/16

Left Out: 4.623 $\pm$ 2.653 χ^2/NDF : 5.9/9

Right Out: -5.310 $\pm$ 2.933 χ^2/NDF : 19.8/19

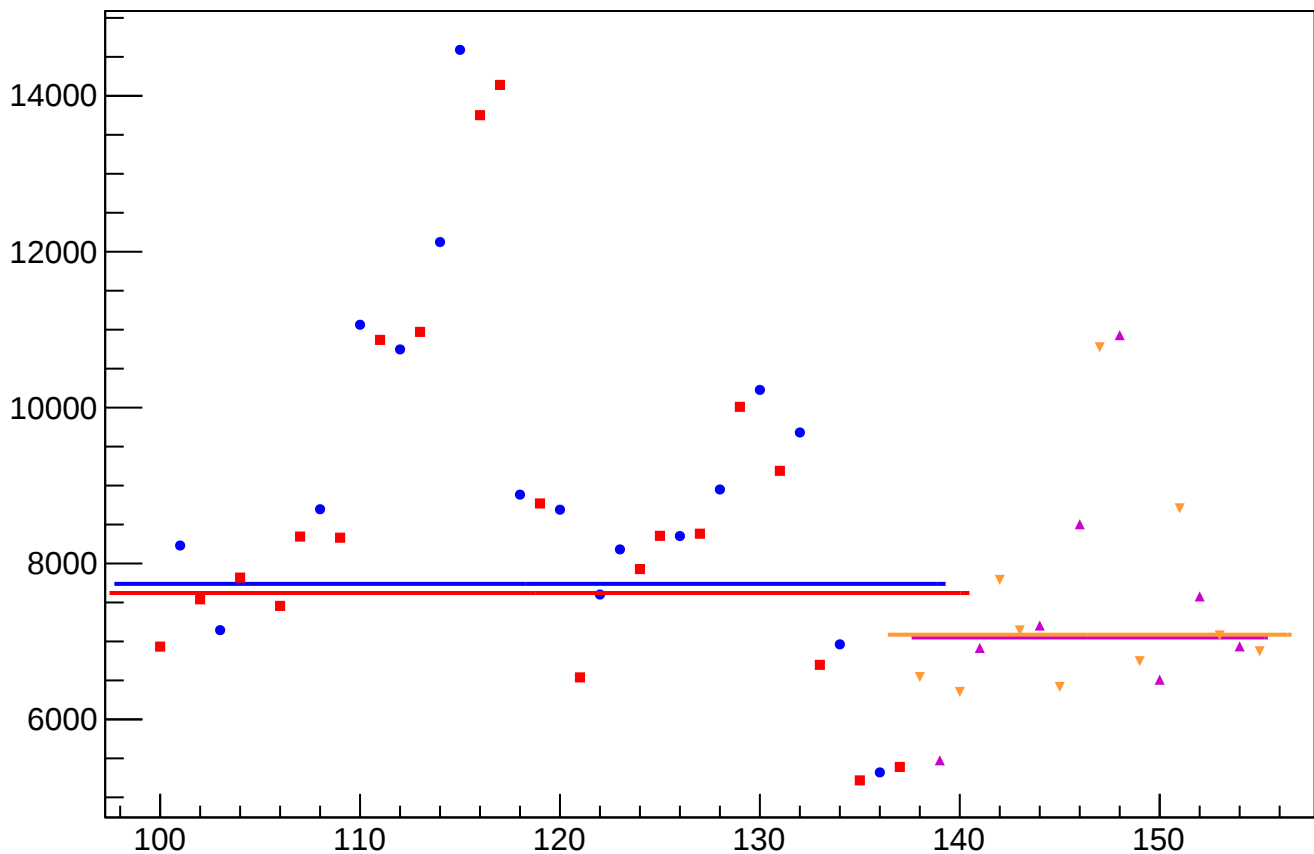
Left In: -3.926 $\pm$ 2.817 χ^2/NDF : 15.8/7

2.459 $\pm$ 2.008 χ^2/NDF : 22.0/26

-1.024 $\pm$ 1.428 χ^2/NDF : 63.8/54

-4.590 $\pm$ 2.032 χ^2/NDF : 35.7/27

diff_bpm4aY_rms vs Slug, Sign Corrected



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

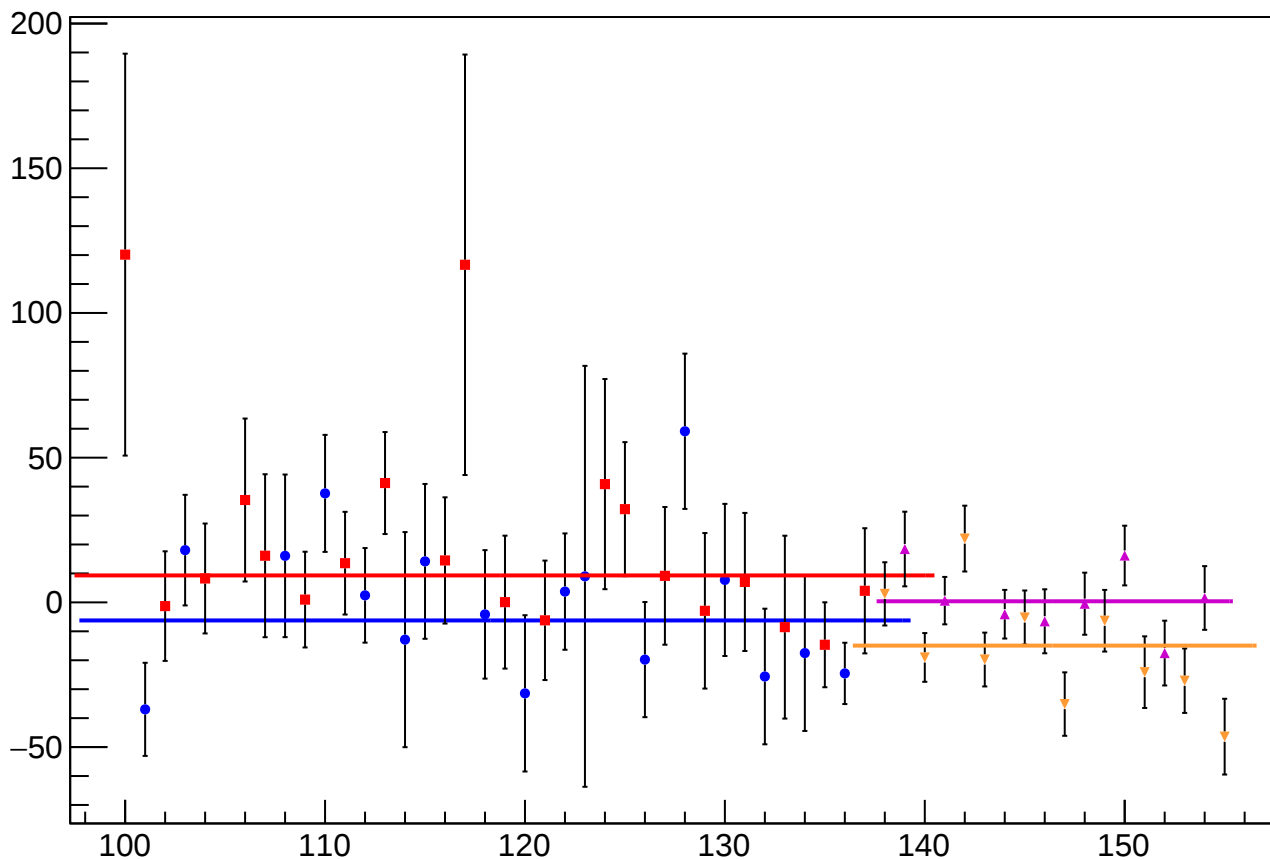
Left In: 7050.792 $\pm$ 1.992 χ^2 /NDF: 374402.3/7

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

7345.340 $\pm$ 1.010 χ^2 /NDF: 2195535.3/54

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

diff_bpm4eX_mean vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 15.3/19$

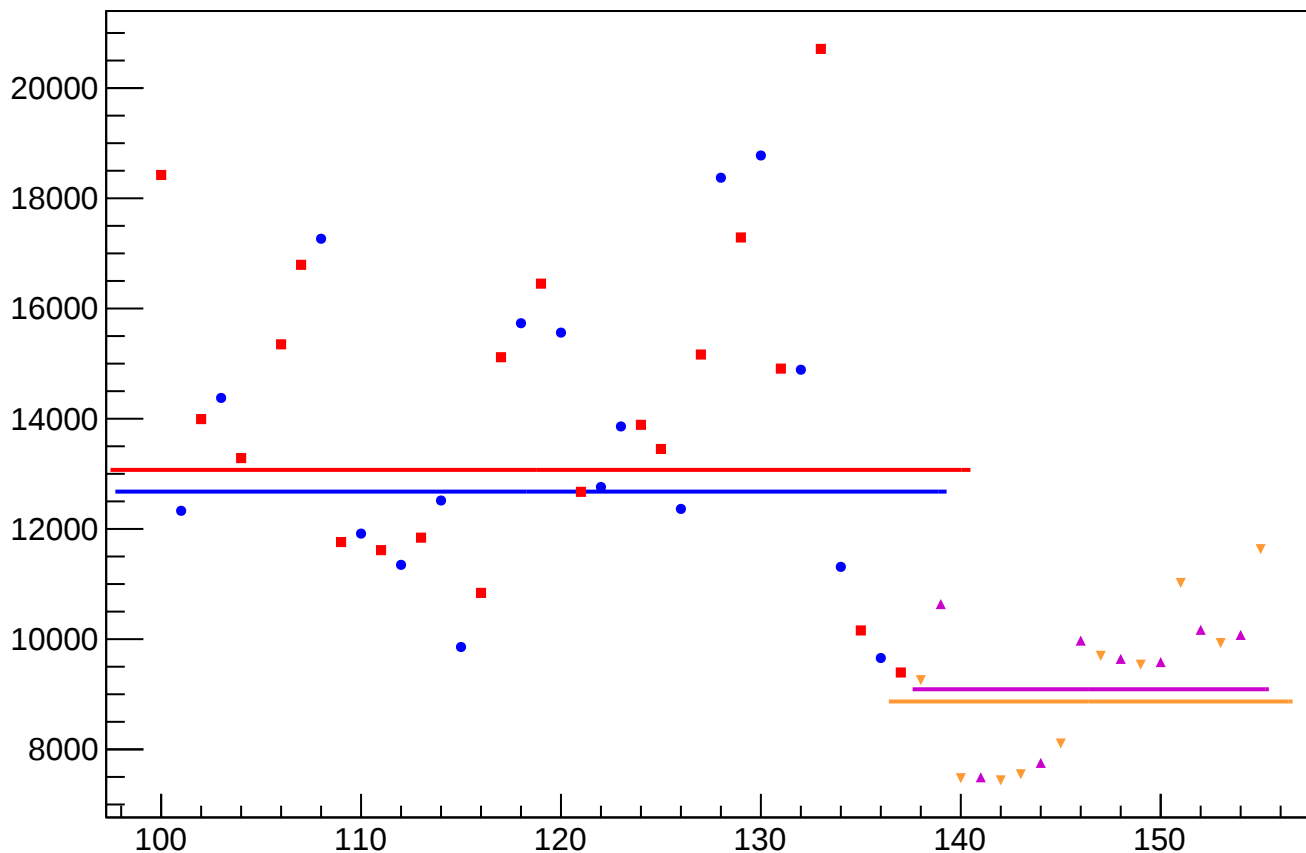
Left In: 0.377 ± 3.590 $\chi^2/\text{NDF}: 7.6/7$

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

-4.838 ± 2.007 $\chi^2/\text{NDF}: 92.0/54$

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

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12677.516 $\pm$ 3.548 χ^2/NDF : 553605.5/16

Left Out: 8869.274 $\pm$ 2.346 χ^2/NDF :329619.6/9

Right Out: 13071.522 $\pm$ 3.527 χ^2/NDF : 499021.5/19

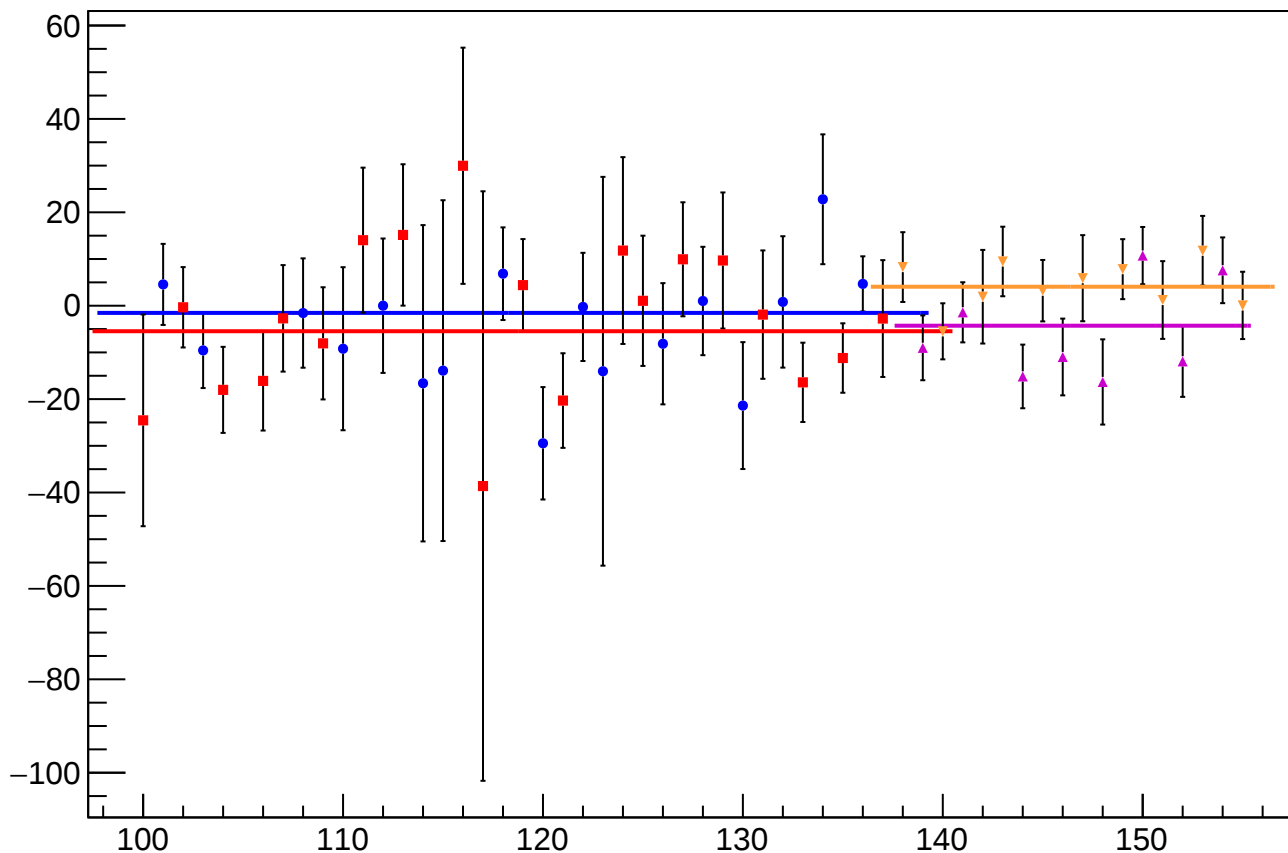
Left In: 9090.800 $\pm$ 2.539 χ^2/NDF :212511.9/7

10027.989 $\pm$ 1.957 χ^2/NDF : 1684855.7/26

10227.866 $\pm$ 1.419 χ^2/NDF : 3257608.6/5

10449.408 $\pm$ 2.060 χ^2/NDF : 1550758.8/27

diff_bpm4eY_mean vs Slug, Sign Corrected



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

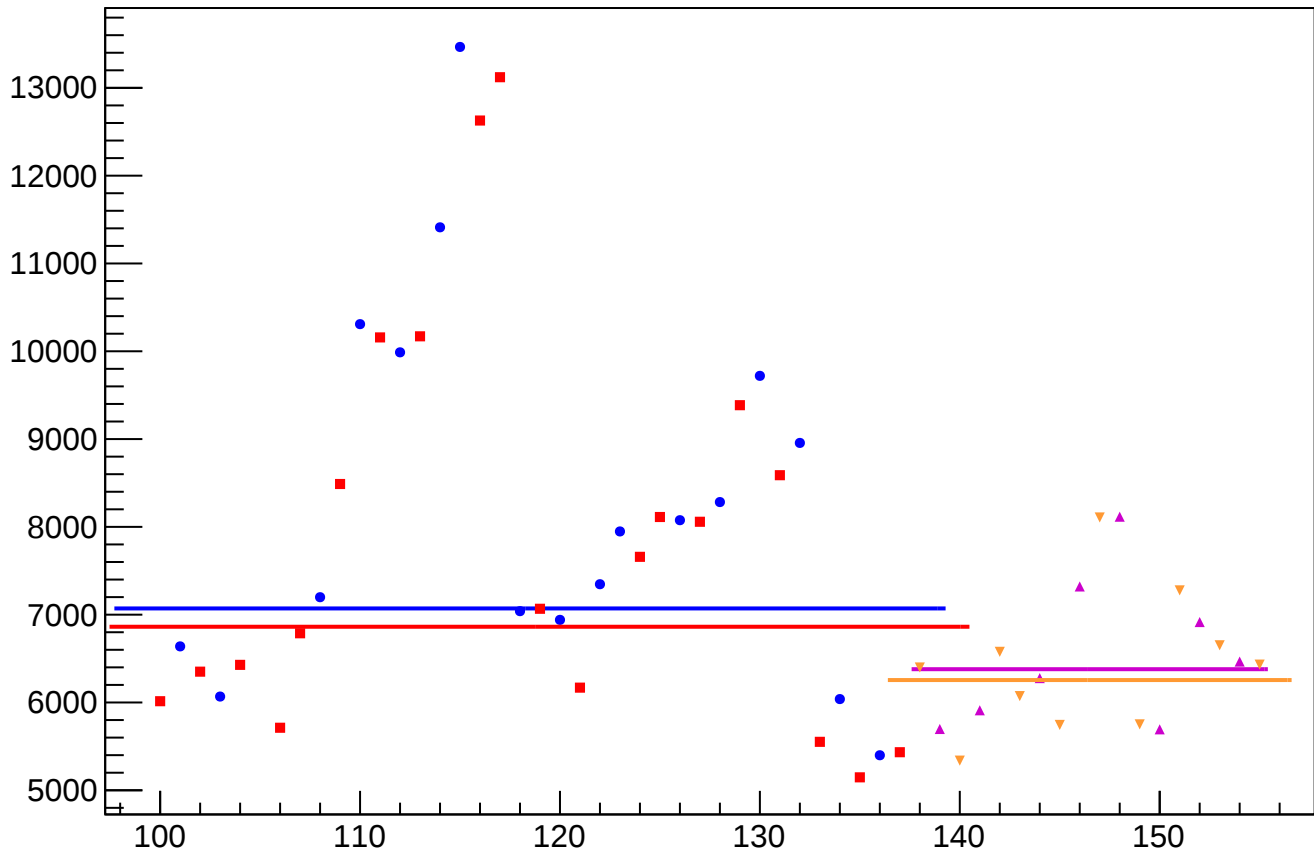
Left In: -4.281+/-2.521 χ^2/NDF : 15.5/7

1.766+/-1.788 χ^2/NDF : 22.5/26

-1.476+/-1.276 χ^2/NDF : 63.7/54

-4.845+/-1.822 χ^2/NDF : 34.4/27

diff_bpm4eY_rms vs Slug, Sign Corrected



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

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

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

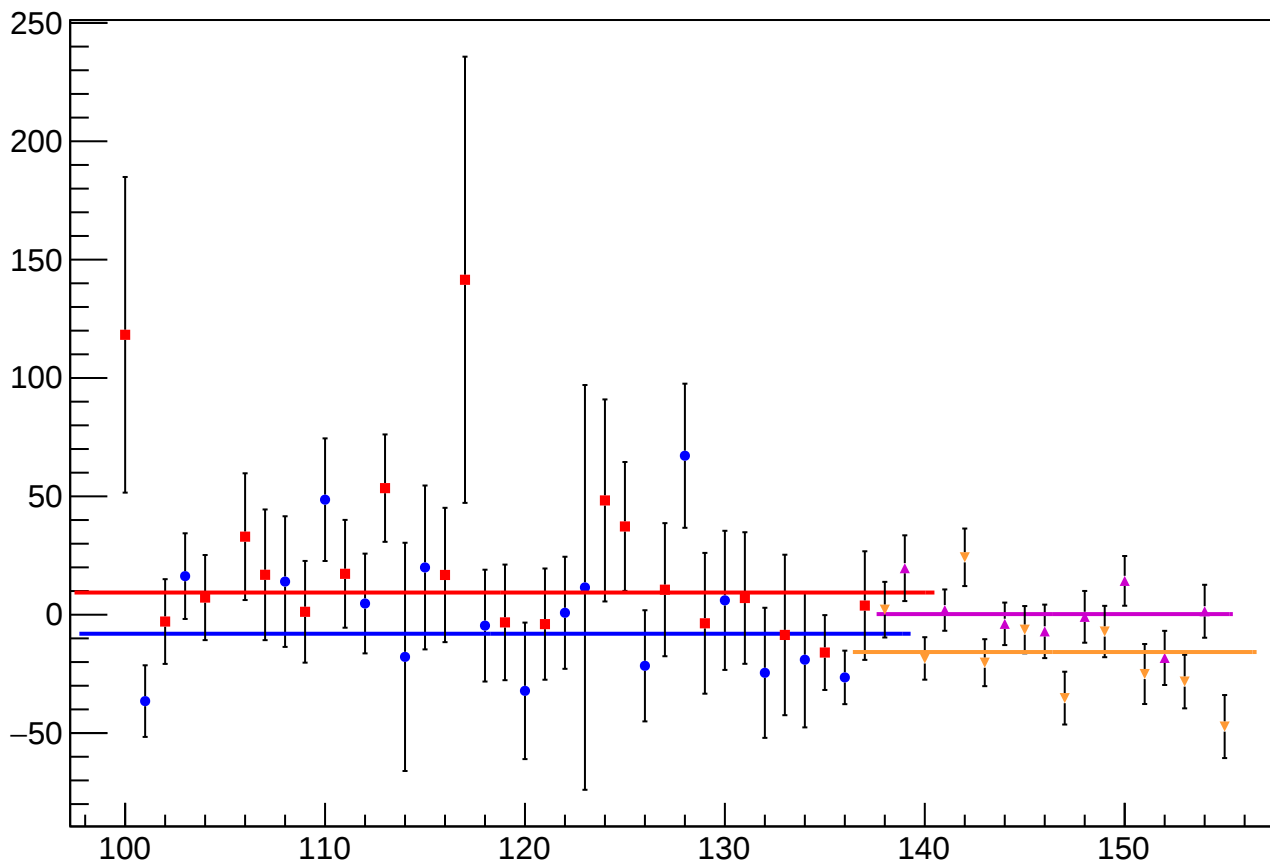
Left In: 6379.061 $\pm$ 1.783 χ^2/NDF : 164245.0/7

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

6599.863 $\pm$ 0.902 χ^2/NDF : 1797861.4/54

6609.917 $\pm$ 1.289 χ^2/NDF : 903466.6/27

diff_bpm4acX_mean vs Slug, Sign Corrected



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

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

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

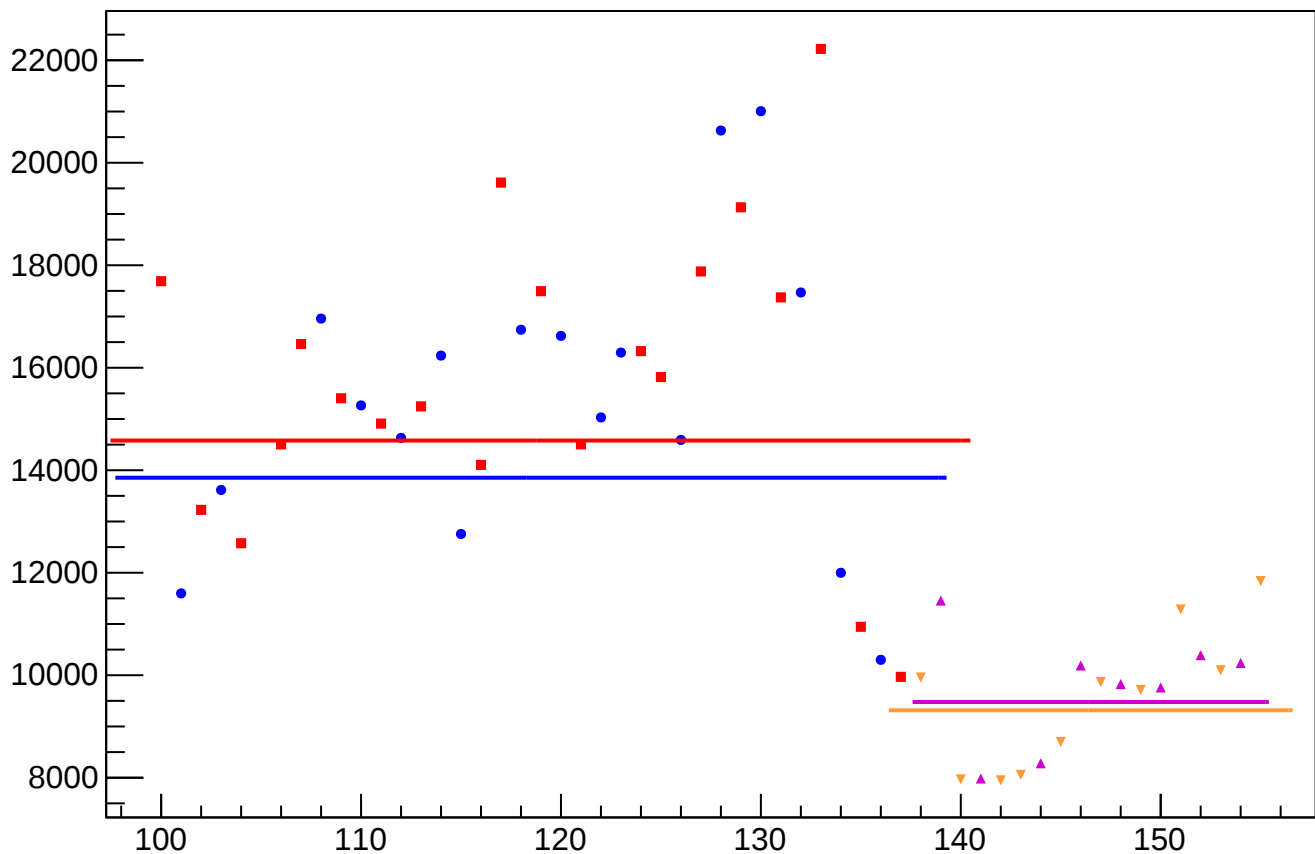
Left In: 0.261 ± 3.737 χ^2/NDF : 7.0/7

-13.556 ± 2.937 χ^2/NDF : 49.4/26

-5.680 ± 2.132 χ^2/NDF : 89.1/54

3.097 ± 3.101 χ^2/NDF : 24.5/27

diff_bpm4acX_rms vs Slug, Sign Corrected



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

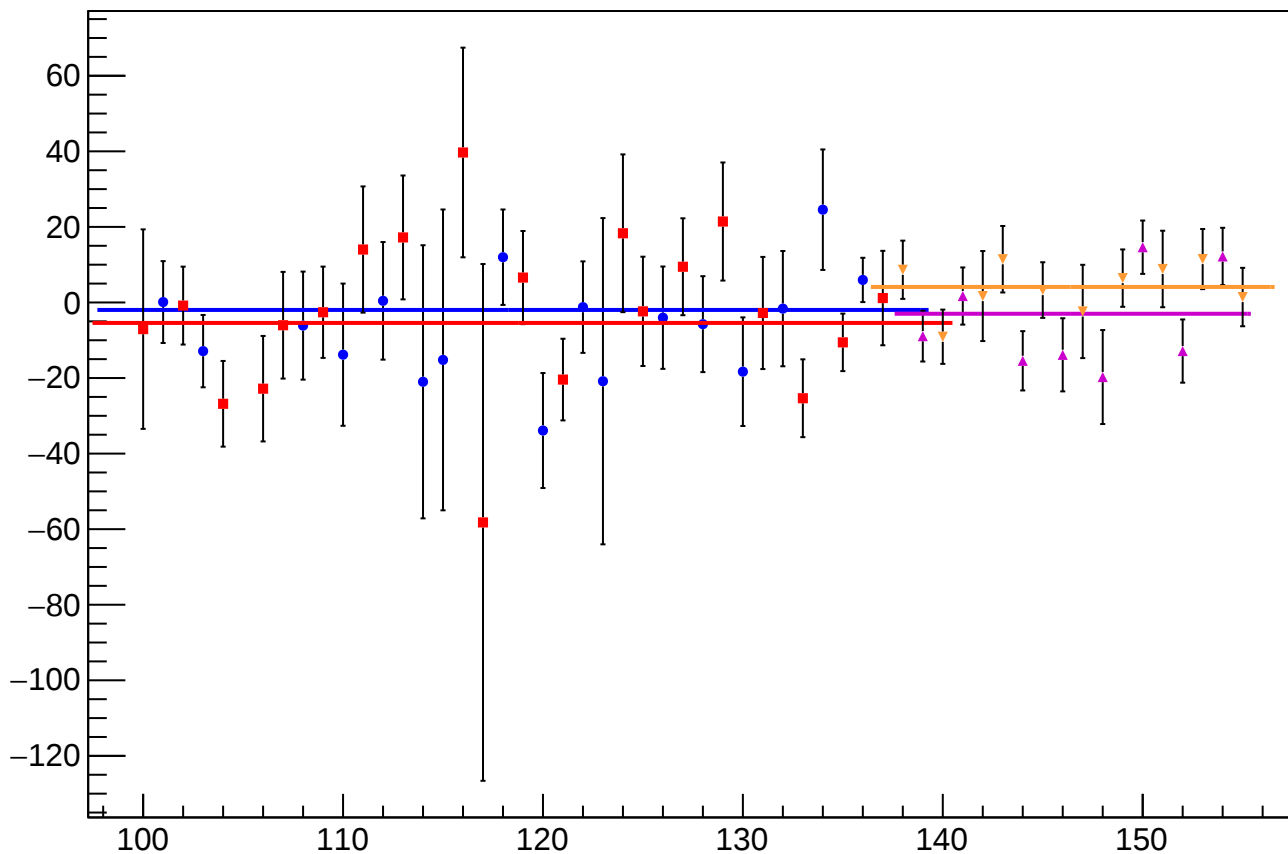
Left In: 9477.922+/-2.642 χ^2/NDF : 168126.3/7

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

10826.869+/-1.508 χ^2/NDF : 3659880.1/5

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

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -1.978 $\pm$ 3.094 χ^2/NDF : 14.0/16

Left Out: 4.105 $\pm$ 2.665 χ^2/NDF : 6.0/9

Right Out: -5.417 $\pm$ 2.956 χ^2/NDF : 24.9/19

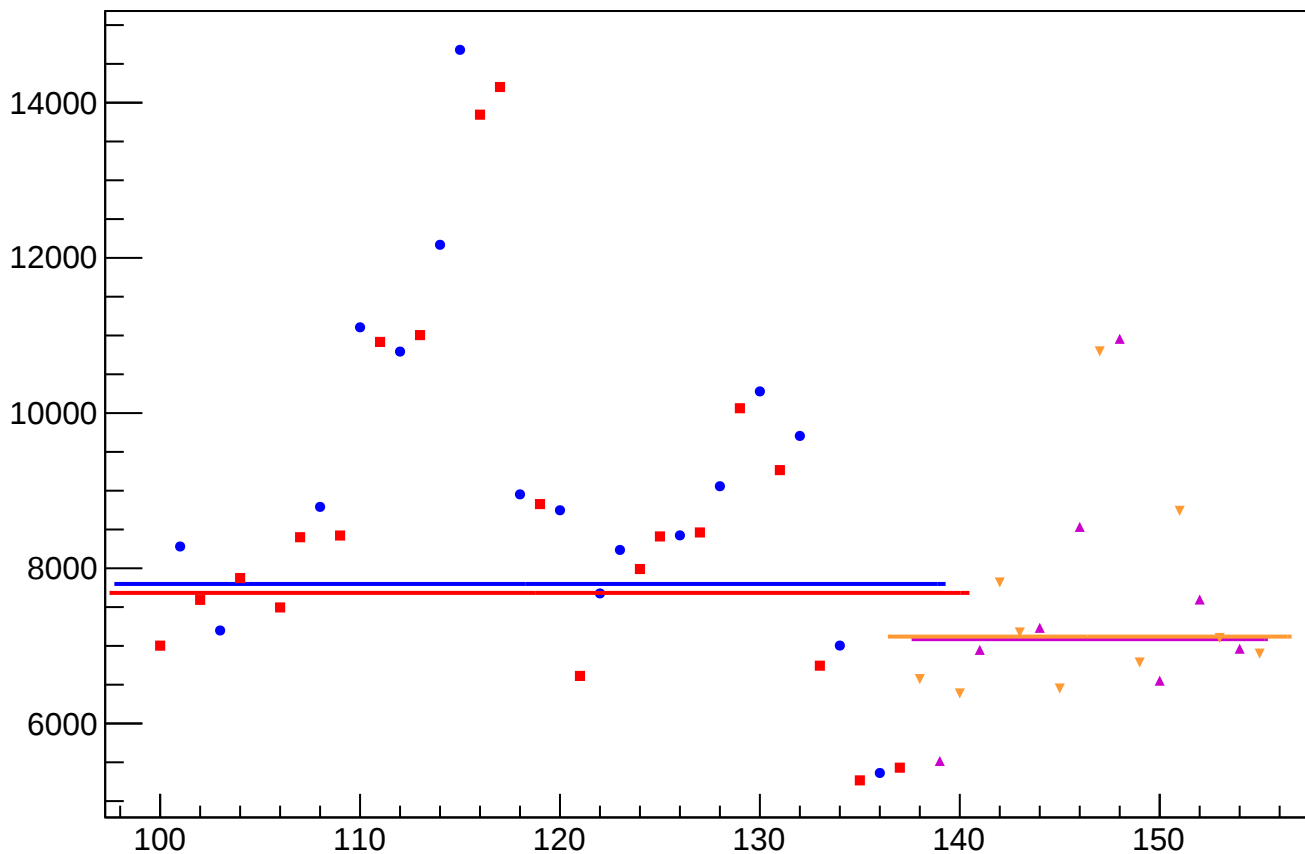
Left In: -2.987 $\pm$ 2.831 χ^2/NDF : 18.4/7

1.514 $\pm$ 2.019 χ^2/NDF : 22.3/26

-1.282 $\pm$ 1.437 χ^2/NDF : 69.8/54

-4.150 $\pm$ 2.044 χ^2/NDF : 43.6/27

diff_bpm4acY_rms vs Slug, Sign Corrected



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

Left Out: 7119.875 $\pm$ 1.884 χ^2 /NDF: 288344.5/9

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

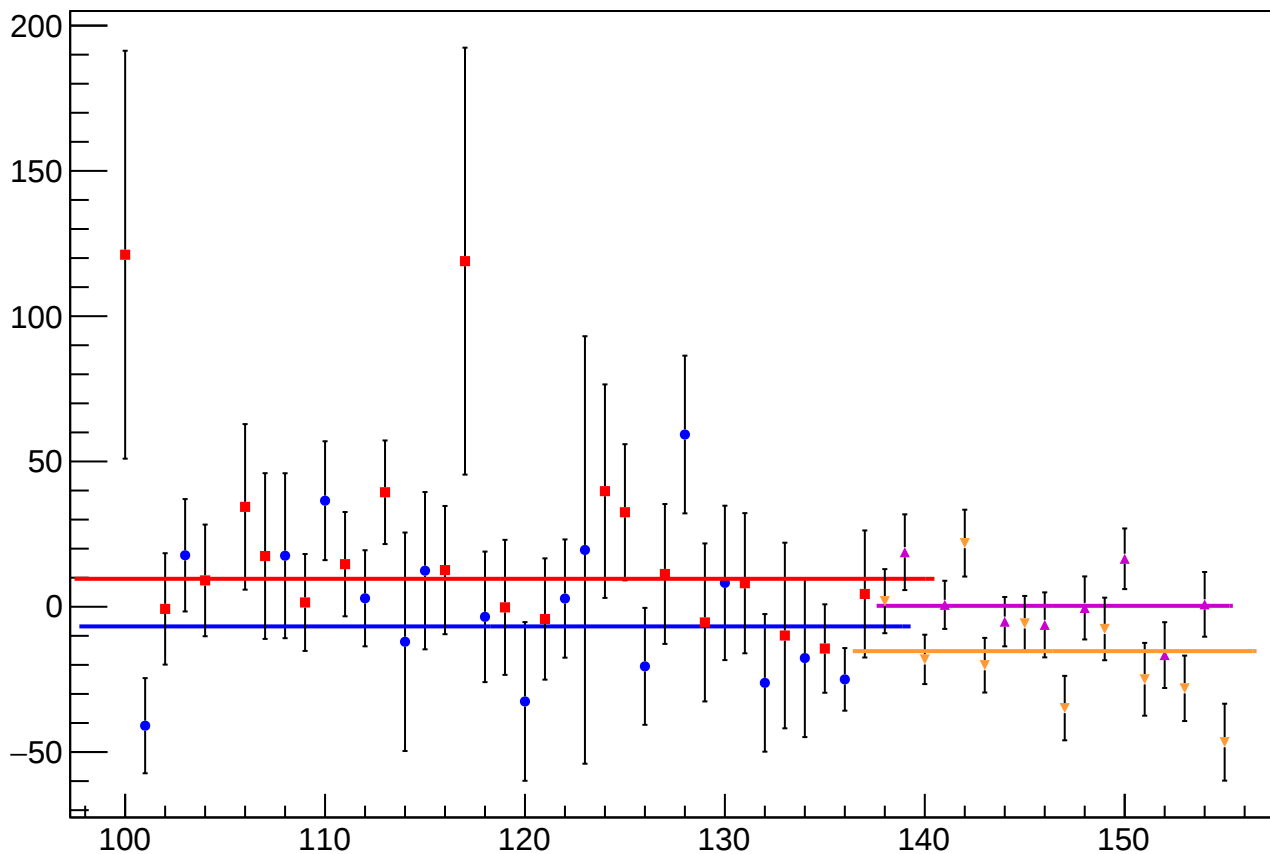
Left In: 7086.863 $\pm$ 2.002 χ^2 /NDF: 368674.6/7

7408.802 $\pm$ 1.428 χ^2 /NDF: 1079829.6/26

7390.599 $\pm$ 1.016 χ^2 /NDF: 2182141.2/54

7371.939 $\pm$ 1.446 χ^2 /NDF: 1101982.4/27

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.760 $\pm$ 5.085 χ^2/NDF : 23.7/16

Left Out: -15.268 $\pm$ 3.354 χ^2/NDF : 25.4/9

Right Out: 9.622 $\pm$ 5.058 χ^2/NDF : 14.5/19

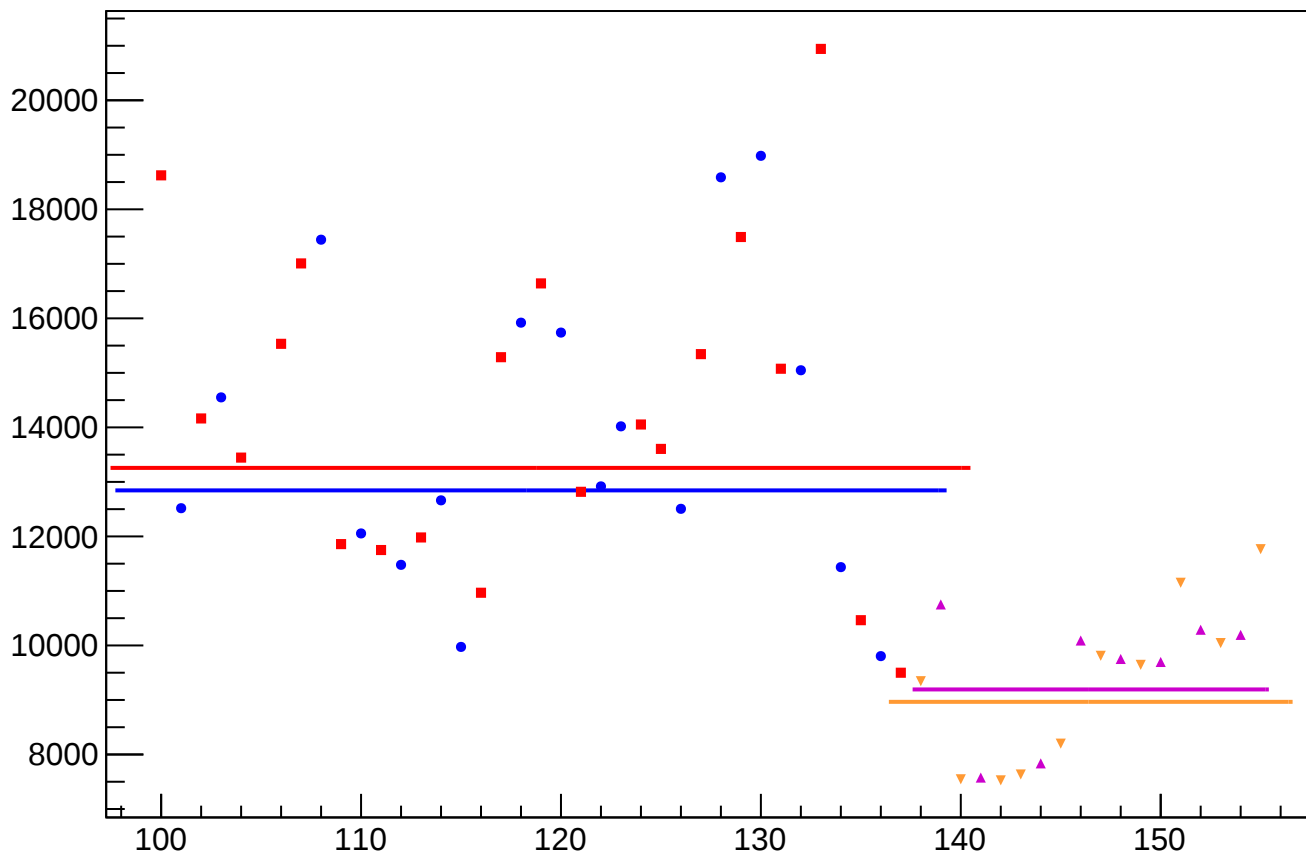
Left In: 0.322 $\pm$ 3.631 χ^2/NDF : 7.4/7

-12.688 $\pm$ 2.800 χ^2/NDF : 51.0/26

-5.023 $\pm$ 2.031 χ^2/NDF : 91.0/54

3.484 $\pm$ 2.950 χ^2/NDF : 24.1/27

diff_bpm4ecX_rms vs Slug, Sign Corrected



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

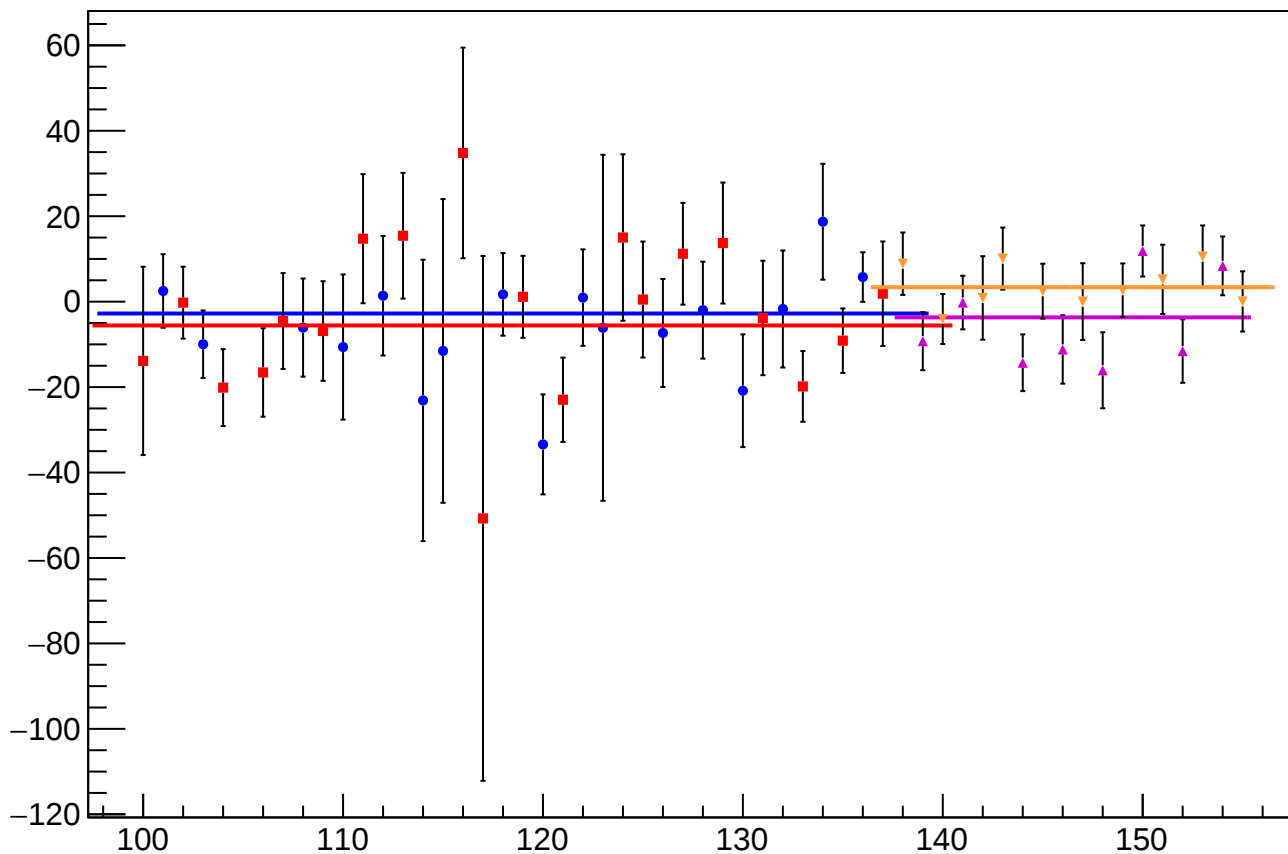
Left In: 9193.013+/-2.567 χ^2/NDF : 213509.6/7

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

10347.001+/-1.436 χ^2/NDF : 3264479.5/5

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

diff_bpm4ecY_mean vs Slug, Sign Corrected



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

Left Out: 3.381 ± 2.272 χ^2/NDF : 4.5/9

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

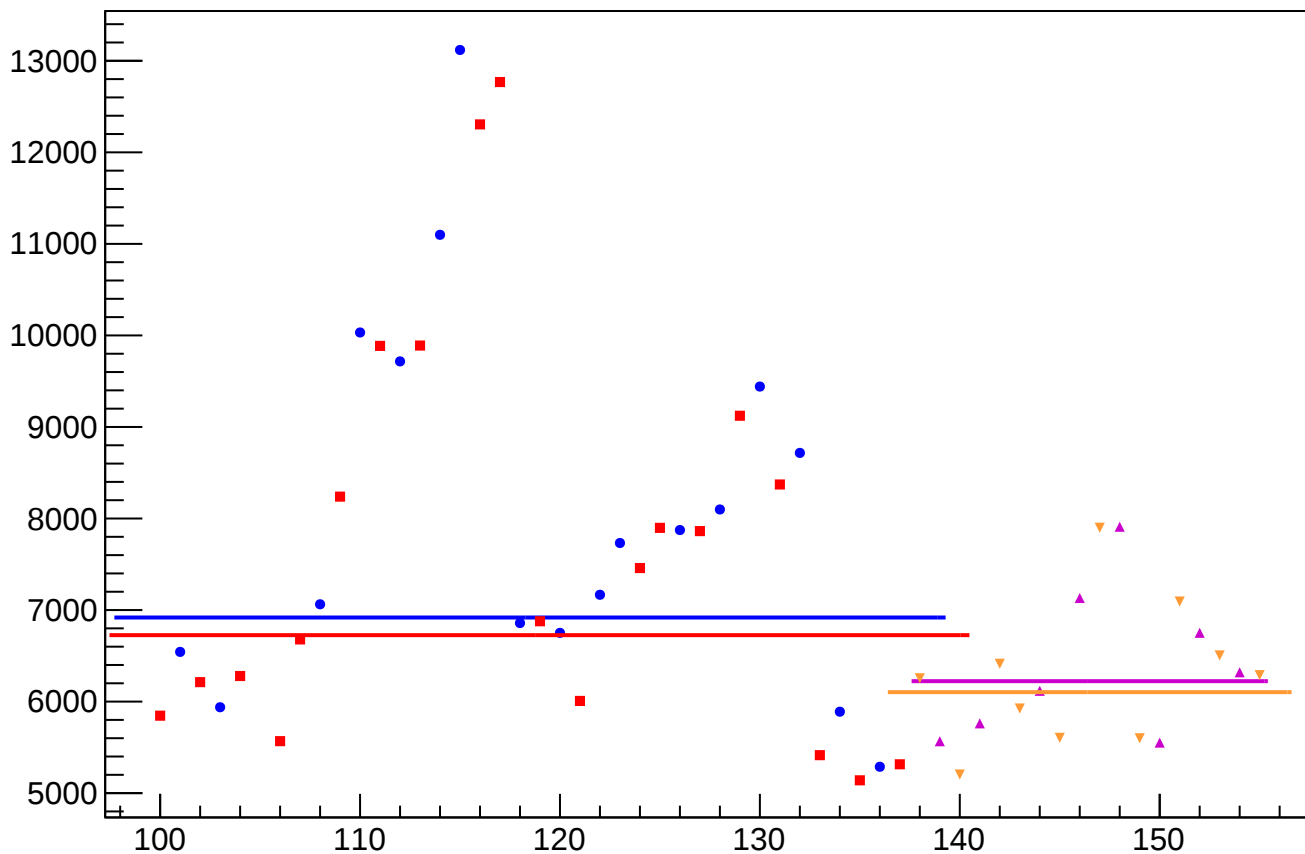
Left In: -3.685 ± 2.459 χ^2/NDF : 17.3/7

0.864 ± 1.747 χ^2/NDF : 23.4/26

-1.804 ± 1.247 χ^2/NDF : 69.5/54

-4.581 ± 1.782 χ^2/NDF : 41.3/27

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6918.477 $\pm$ 1.932 χ^2 /NDF: 587039.3/16

Left Out: 6103.122 $\pm$ 1.606 χ^2 /NDF: 193618.5/9

Right Out: 6725.745 $\pm$ 1.828 χ^2 /NDF: 675399.9/19

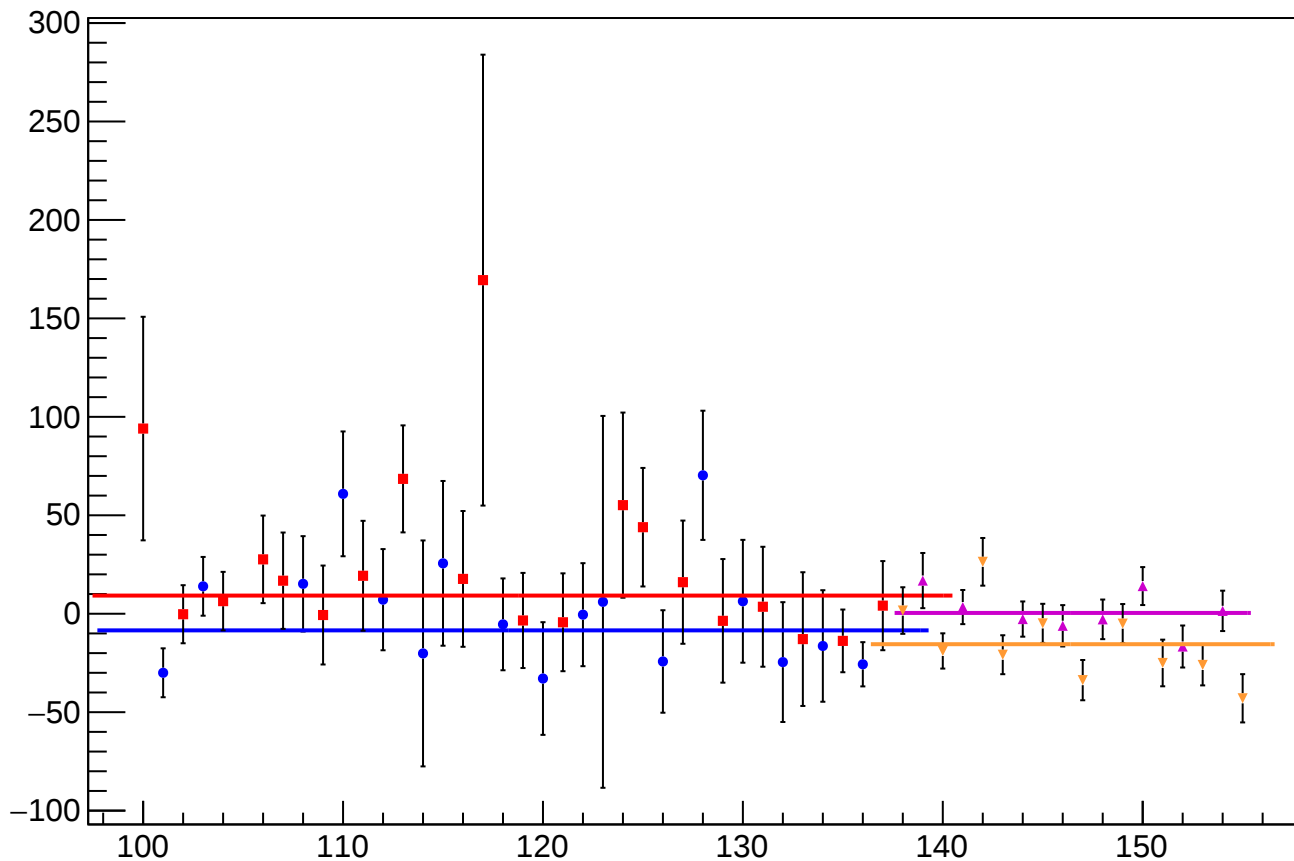
Left In: 6223.042 $\pm$ 1.739 χ^2 /NDF: 163503.4/7

6436.509 $\pm$ 1.235 χ^2 /NDF: 885985.4/26

6448.936 $\pm$ 0.882 χ^2 /NDF: 1764793.9/54

6461.867 $\pm$ 1.260 χ^2 /NDF: 878601.9/27

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.448 $\pm$ 5.393 χ^2/NDF : 22.0/16

Left Out: -15.470 $\pm$ 3.342 χ^2/NDF : 26.6/9

Right Out: 9.224 $\pm$ 5.502 χ^2/NDF : 16.2/19

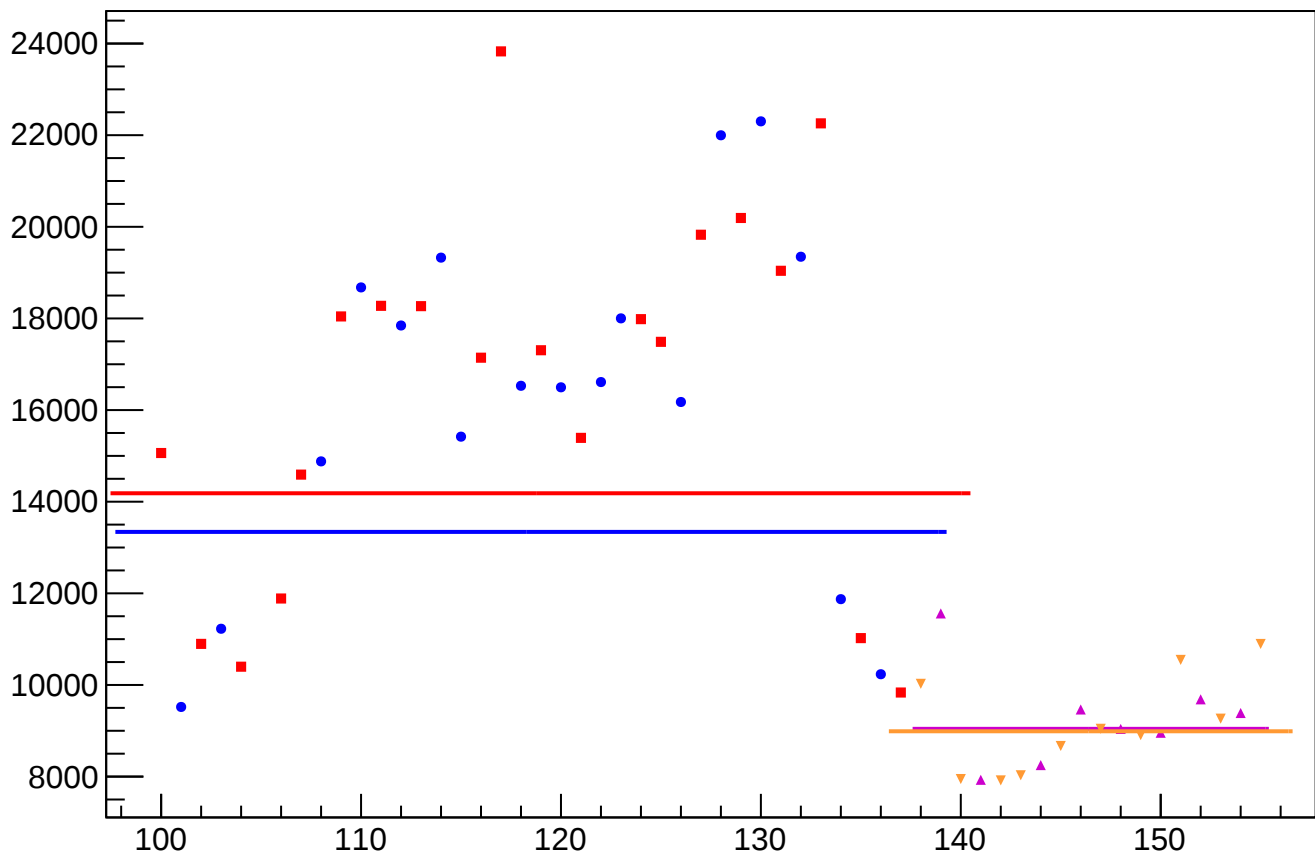
Left In: 0.407 $\pm$ 3.560 χ^2/NDF : 6.7/7

-13.522 $\pm$ 2.841 χ^2/NDF : 49.8/26

-5.676 $\pm$ 2.059 χ^2/NDF : 90.6/54

3.009 $\pm$ 2.989 χ^2/NDF : 24.7/27

diff_bpm1X_rms vs Slug, Sign Corrected



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

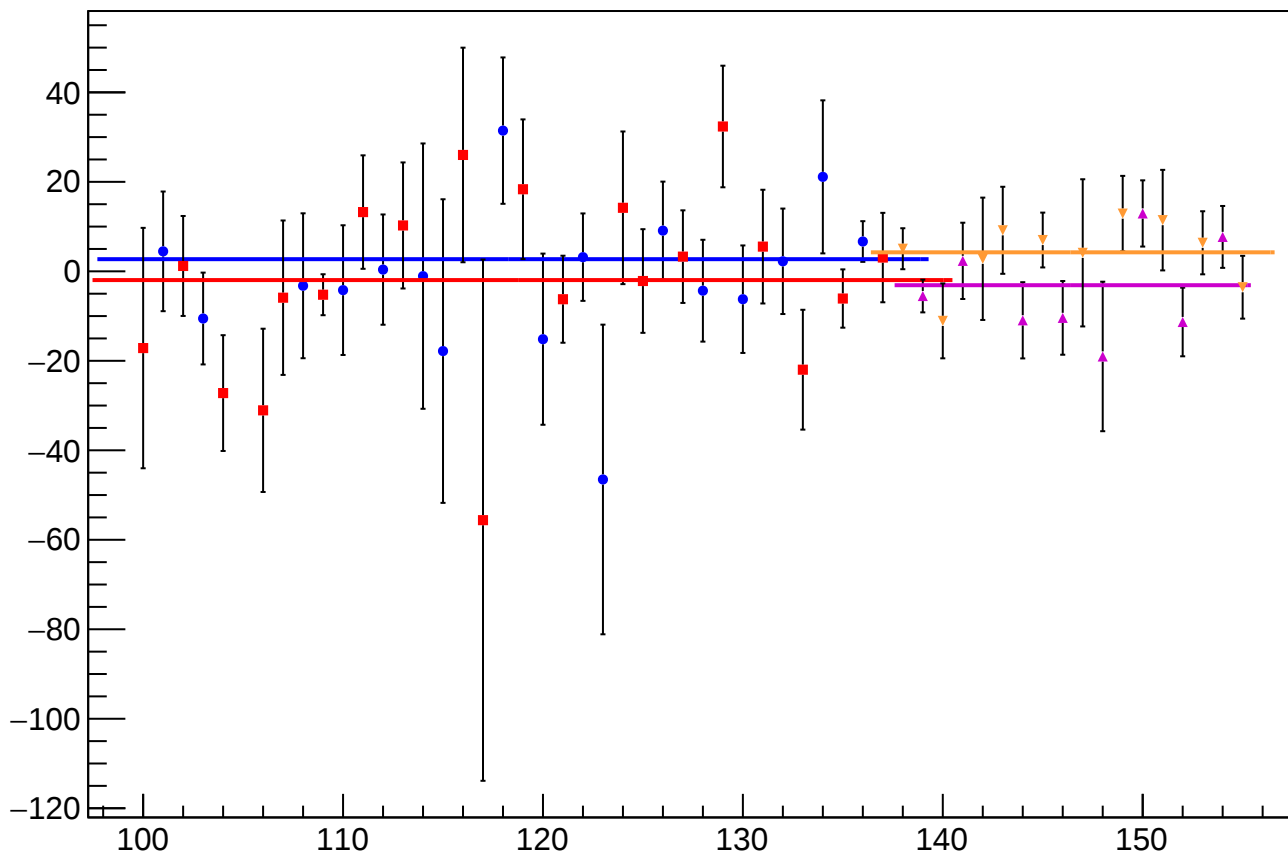
Left In: 9042.265+/-2.517 χ^2/NDF :126119.7/7

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

10368.942+/-1.456 χ^2/NDF : 4468047.1/5

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

diff_bpm1Y_mean vs Slug, Sign Corrected



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

Left Out: 4.248 ± 2.421 $\chi^2/\text{NDF}: 6.6/9$

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

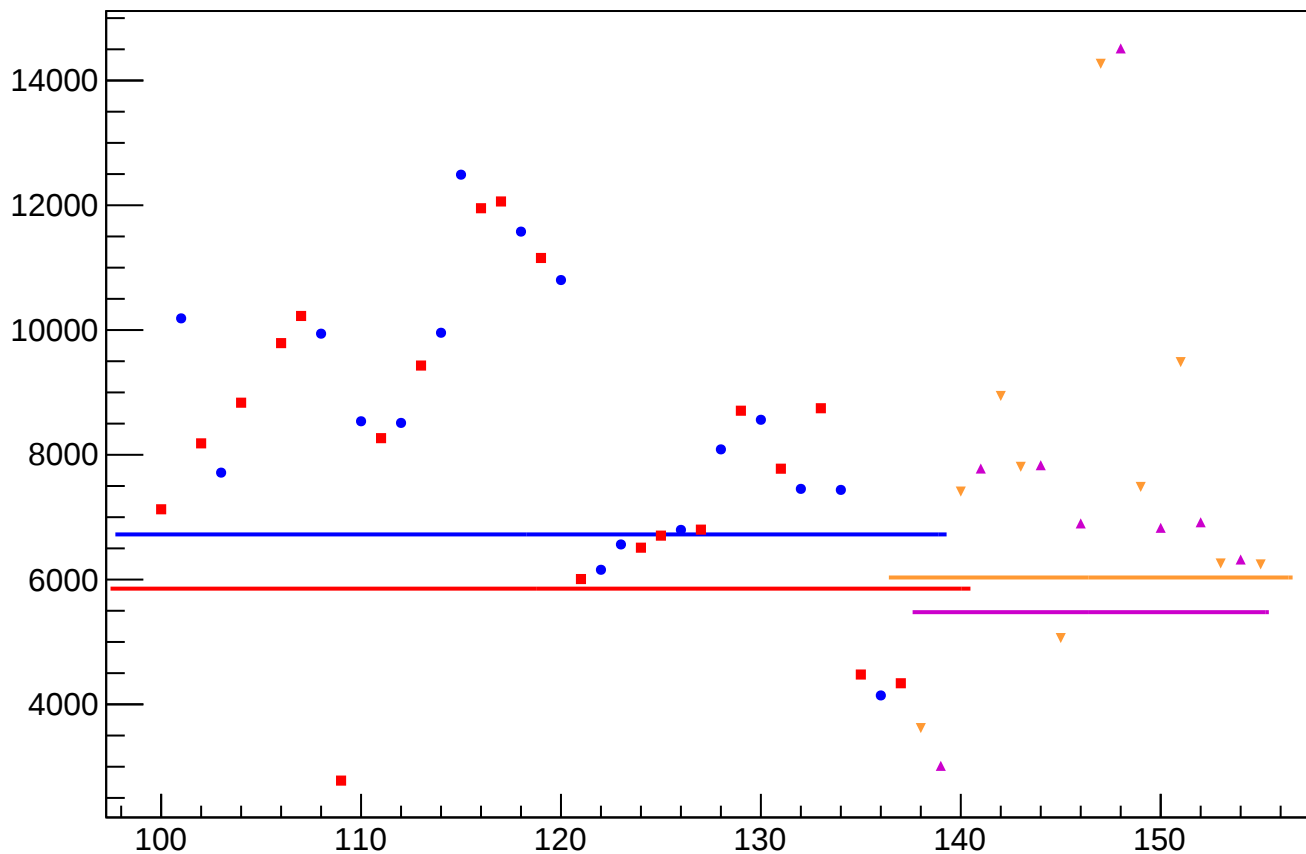
Left In: -3.101 ± 2.378 $\chi^2/\text{NDF}: 11.7/7$

3.580 ± 1.818 $\chi^2/\text{NDF}: 18.5/26$

0.317 ± 1.242 $\chi^2/\text{NDF}: 60.7/54$

-2.542 ± 1.702 $\chi^2/\text{NDF}: 36.2/27$

diff_bpm1Y_rms vs Slug, Sign Corrected



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

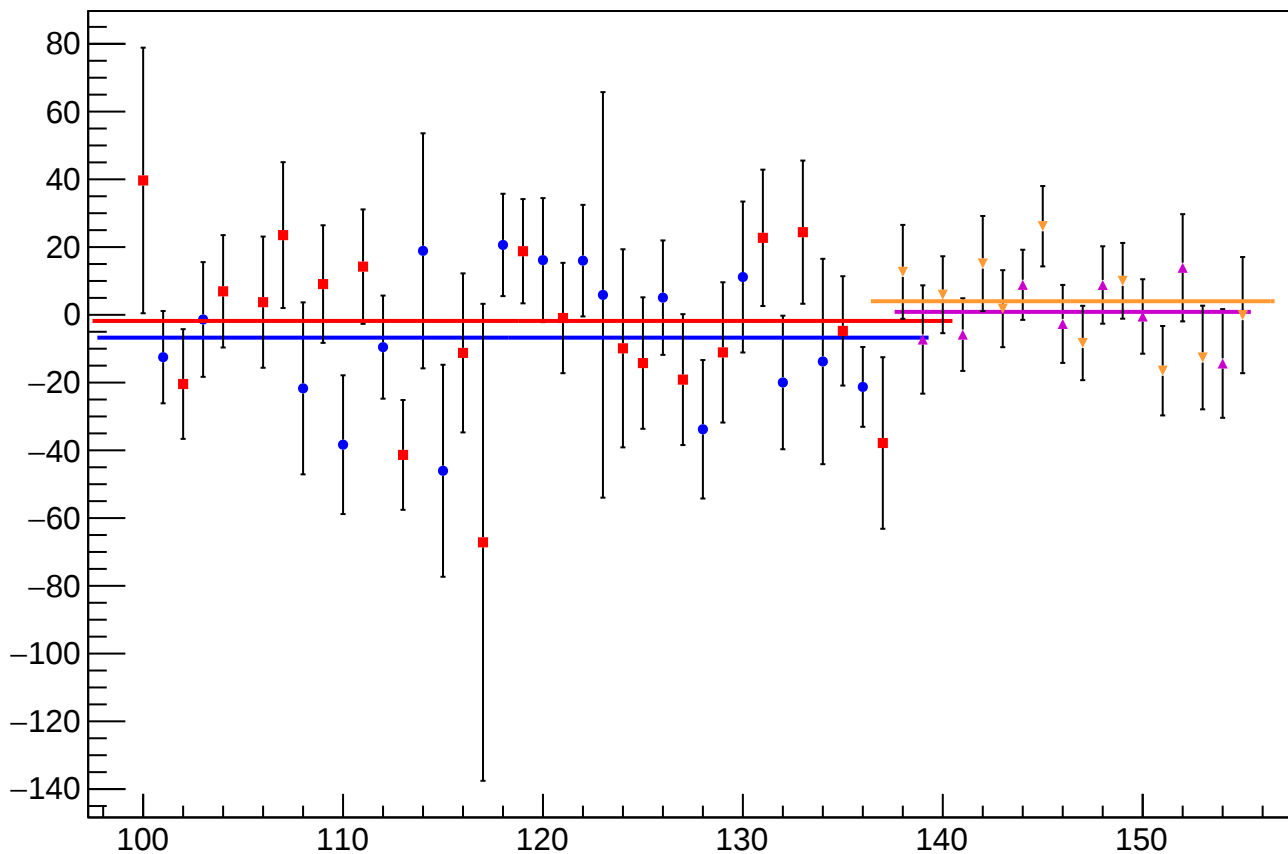
Left In: 5477.528+/-1.681 χ^2/NDF : 2019195.5/7

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

5975.913+/-0.878 χ^2/NDF : 7523299.8/54

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

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -6.736 $\pm$ 4.513 χ^2/NDF : 16.9/16

Left Out: 4.019 $\pm$ 3.997 χ^2/NDF : 9.8/9

Right Out: -1.802 $\pm$ 4.364 χ^2/NDF : 20.8/19

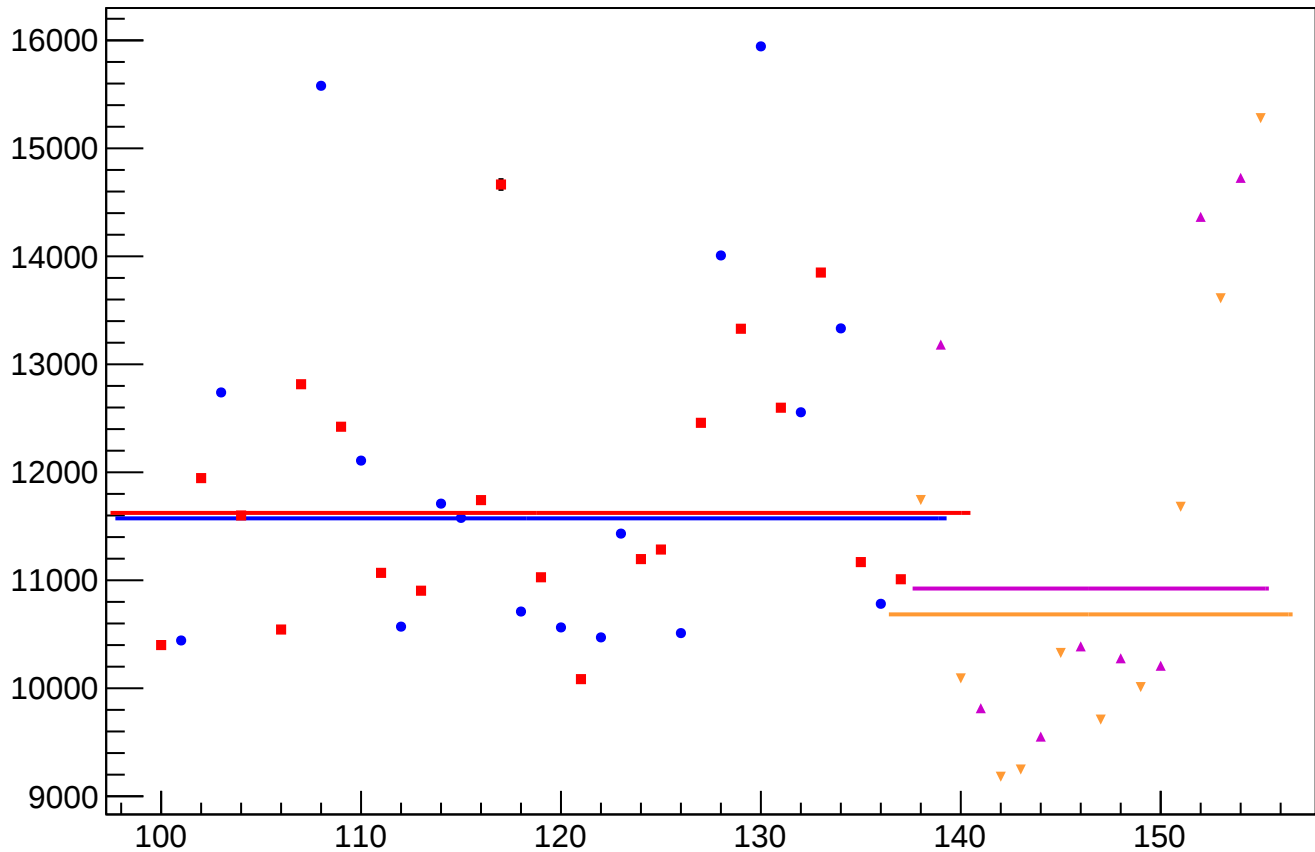
Left In: 0.870 $\pm$ 4.331 χ^2/NDF : 3.4/7

-0.709 $\pm$ 2.992 χ^2/NDF : 29.8/26

-0.586 $\pm$ 2.144 χ^2/NDF : 54.3/54

-0.456 $\pm$ 3.074 χ^2/NDF : 24.4/27

diff_bpm11X_rms vs Slug, Sign Corrected



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

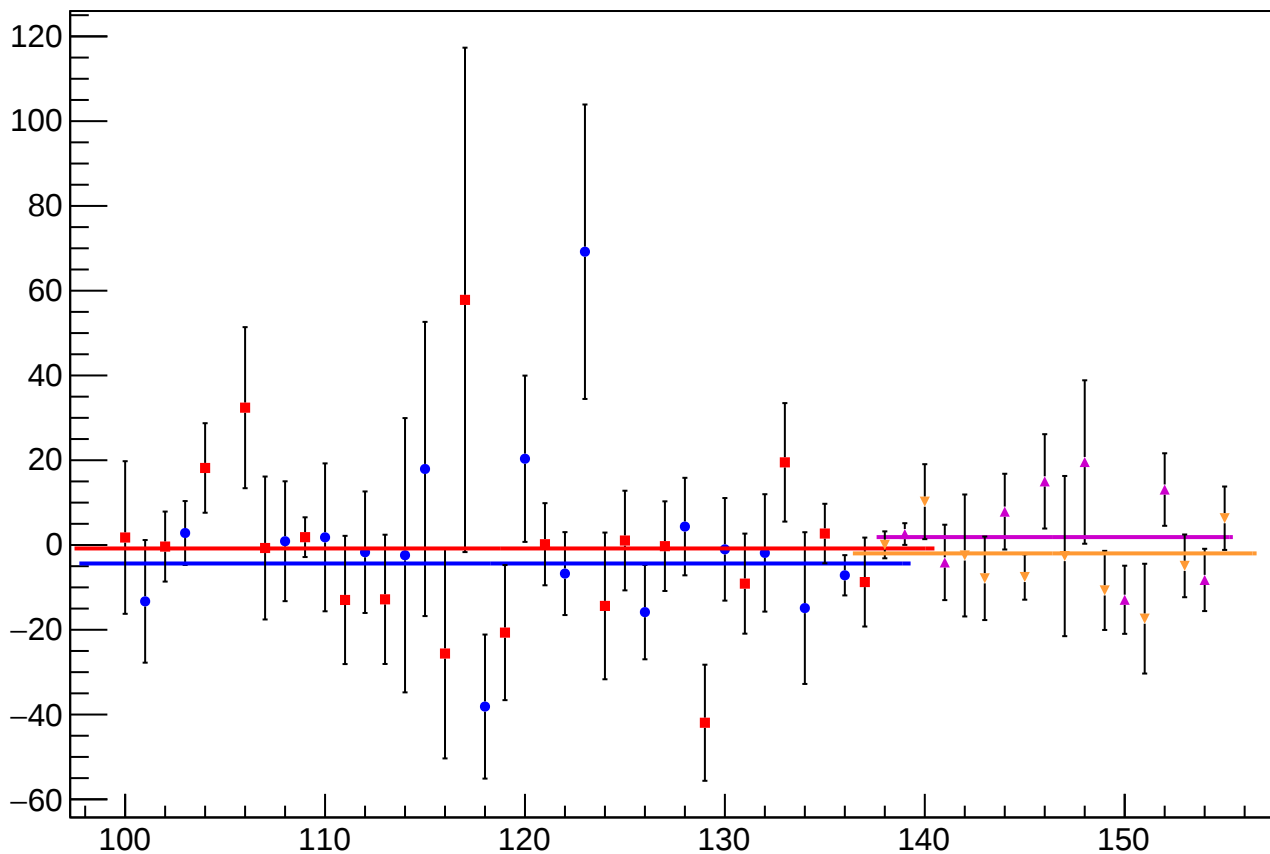
Left In: 10923.597+/-3.063 χ^2/NDF : 322475.2/7

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

11170.507+/-1.516 χ^2/NDF : 1058002.9/5

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

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.361 $\pm$ 2.776 χ^2/NDF : 14.5/16

Left Out: -1.980 $\pm$ 2.141 χ^2/NDF : 7.4/9

Right Out: -0.816 $\pm$ 2.424 χ^2/NDF : 24.5/19

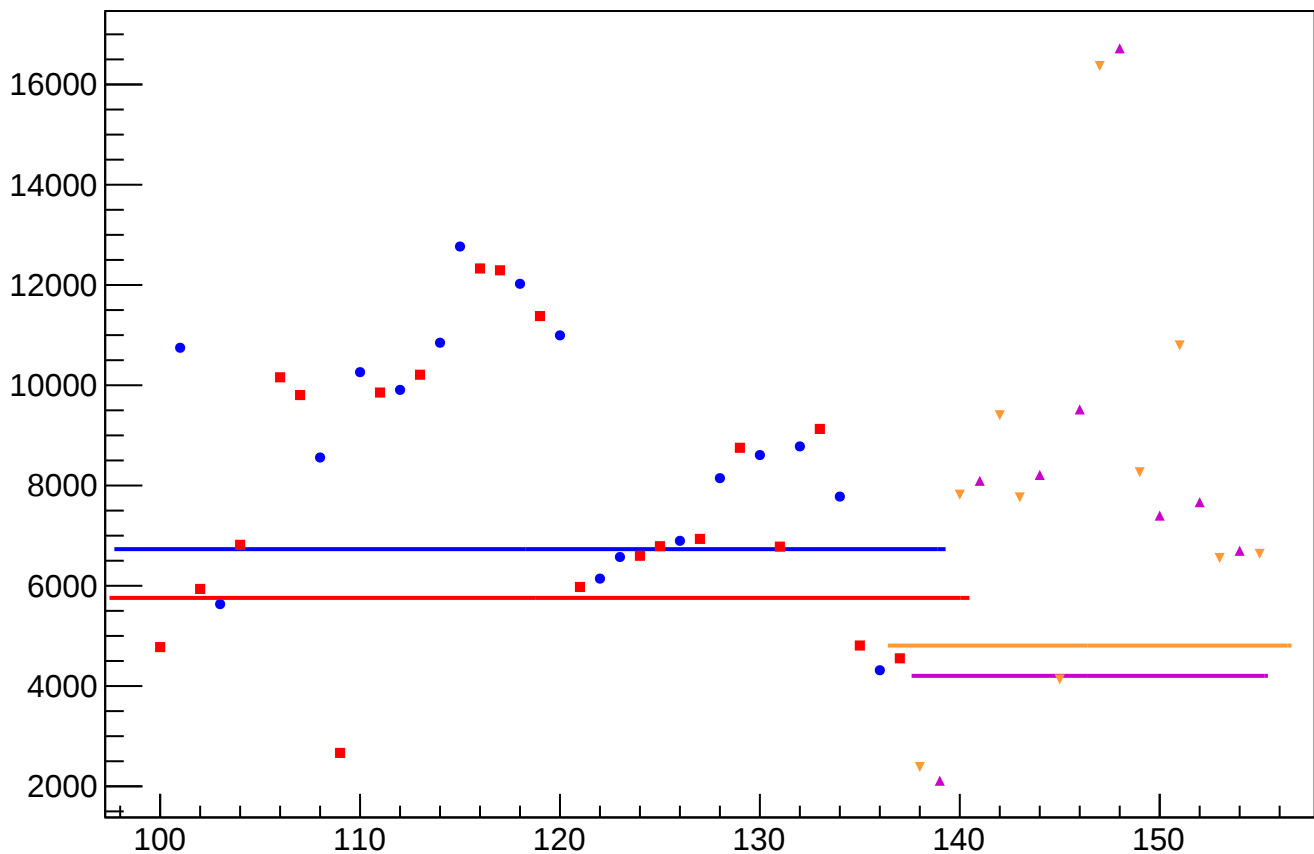
Left In: 1.868 $\pm$ 2.058 χ^2/NDF : 10.2/7

-2.868 $\pm$ 1.695 χ^2/NDF : 22.4/26

-0.923 $\pm$ 1.151 χ^2/NDF : 60.3/54

0.743 $\pm$ 1.569 χ^2/NDF : 35.4/27

diff_bpm11Y_rms vs Slug, Sign Corrected



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

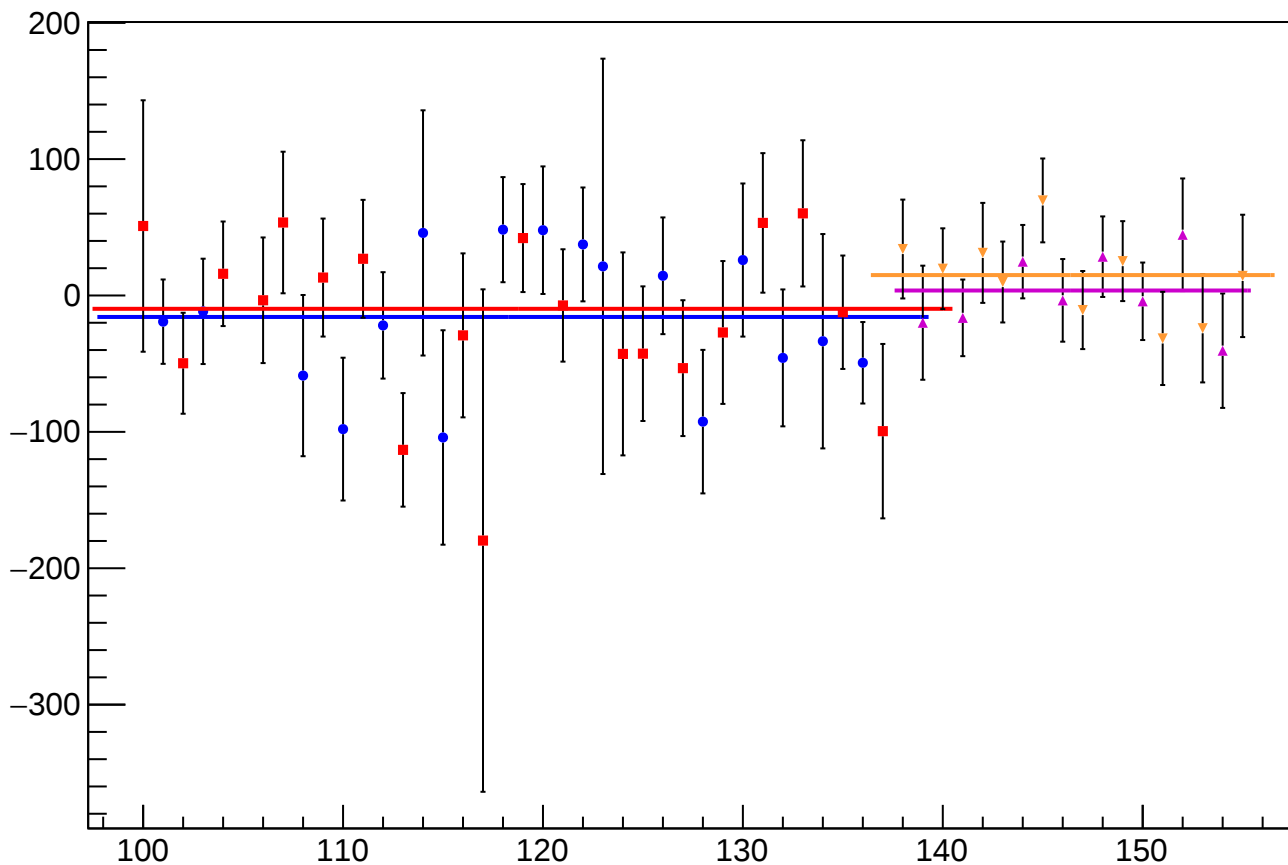
Left In: 4203.846+/-1.455 χ^2/NDF : 4292907.5/7

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

5163.920+/-0.814 χ^2/NDF : 12664180.0/5

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

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -15.751 $\pm$ 11.207 χ^2/NDF : 15.9/16

Left Out: 14.960 $\pm$ 10.419 χ^2/NDF : 7.4/9

Right Out: -9.773 $\pm$ 10.870 χ^2/NDF : 20.1/19

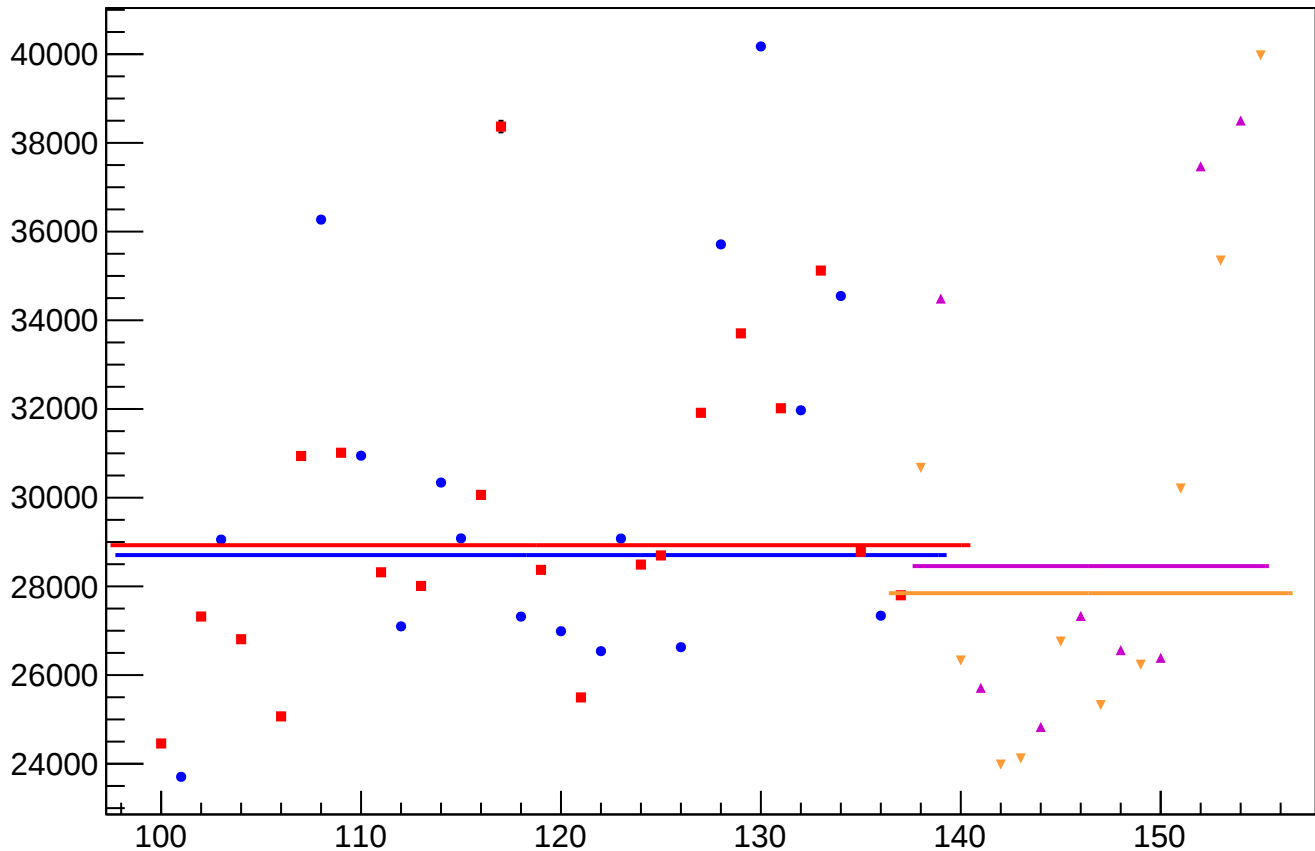
Left In: 3.650 $\pm$ 11.287 χ^2/NDF : 4.4/7

0.722 $\pm$ 7.631 χ^2/NDF : 27.4/26

-1.244 $\pm$ 5.465 χ^2/NDF : 52.7/54

-3.314 $\pm$ 7.829 χ^2/NDF : 25.2/27

diff_bpm12X_rms vs Slug, Sign Corrected



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

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

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

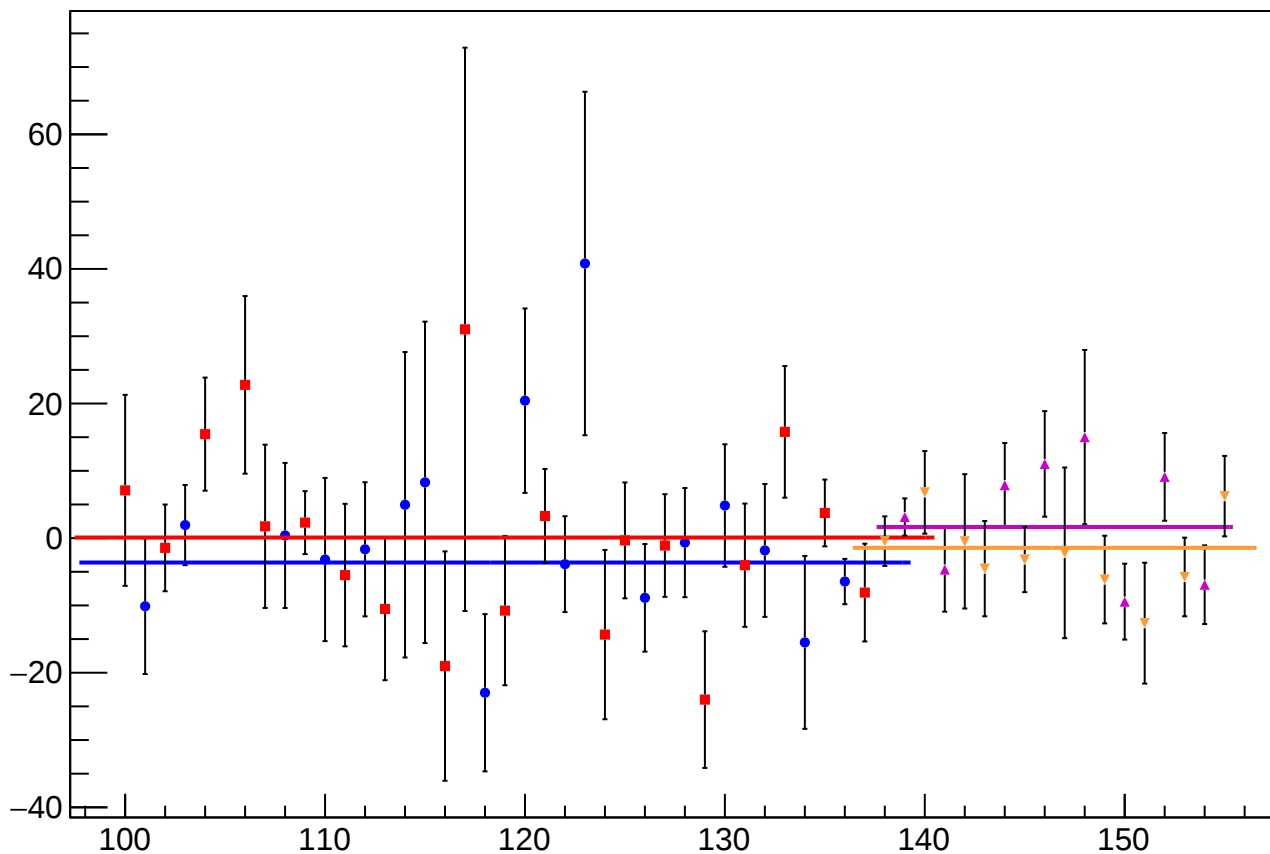
Left In: 28457.289 ± 7.981 χ^2/NDF : 328639.2/7

28244.932 ± 5.396 χ^2/NDF : 579552.0/26

28467.483 ± 3.864 χ^2/NDF : 1029974.0/5

28701.758 ± 5.536 χ^2/NDF : 446930.3/27

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -3.625 $\pm$ 2.006 χ^2/NDF : 13.7/16

Left Out: -1.441 $\pm$ 1.917 χ^2/NDF : 6.5/9

Right Out: 0.090 $\pm$ 1.888 χ^2/NDF : 22.6/19

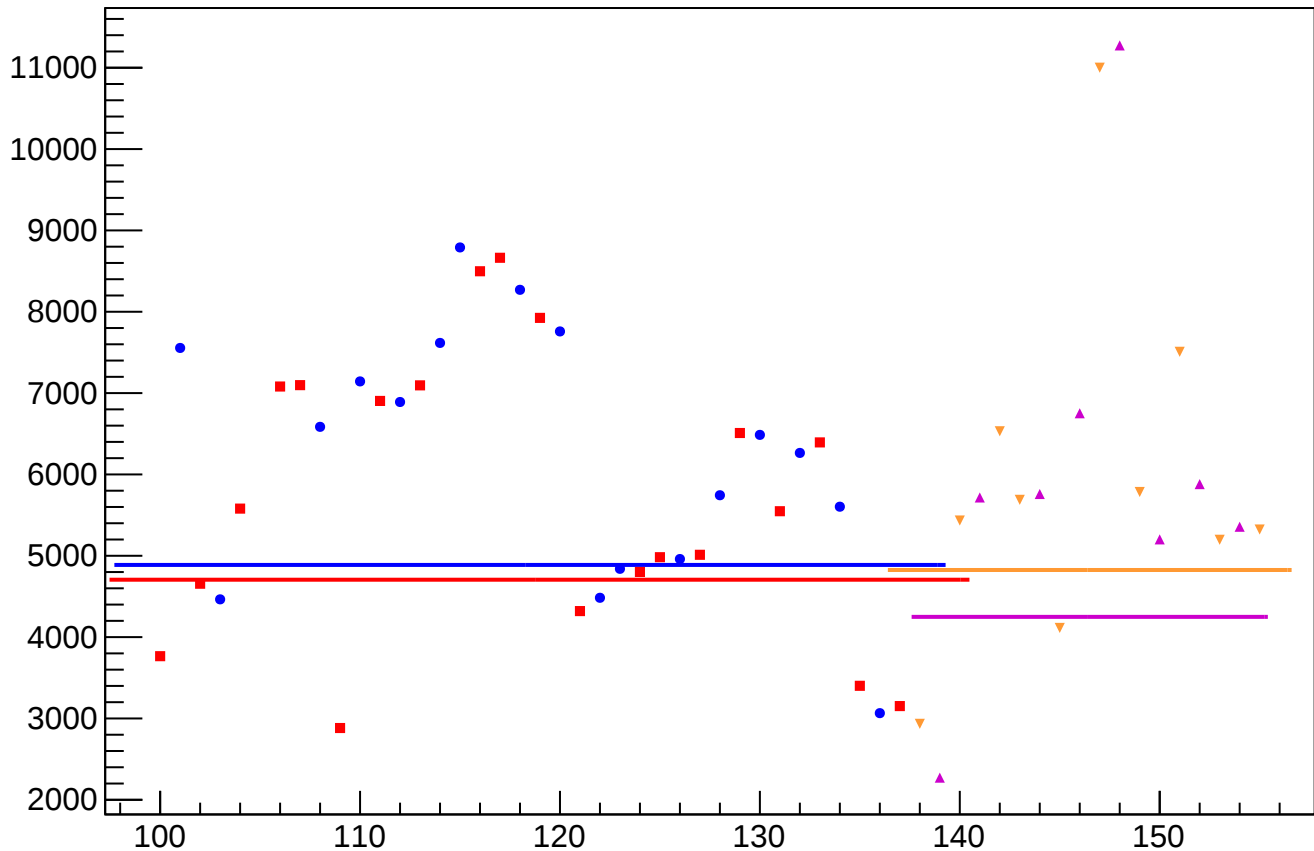
Left In: 1.653 $\pm$ 1.862 χ^2/NDF : 12.1/7

-2.483 $\pm$ 1.386 χ^2/NDF : 20.8/26

-0.725 $\pm$ 0.958 χ^2/NDF : 59.0/54

0.883 $\pm$ 1.326 χ^2/NDF : 35.1/27

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4887.515 ± 1.418 $\chi^2/\text{NDF}: 1409296.8/16$

Left Out: 4825.328 ± 1.355 $\chi^2/\text{NDF}: 1395971.2/9$

Right Out: 4705.797 ± 1.335 $\chi^2/\text{NDF}: 1331043.3/19$

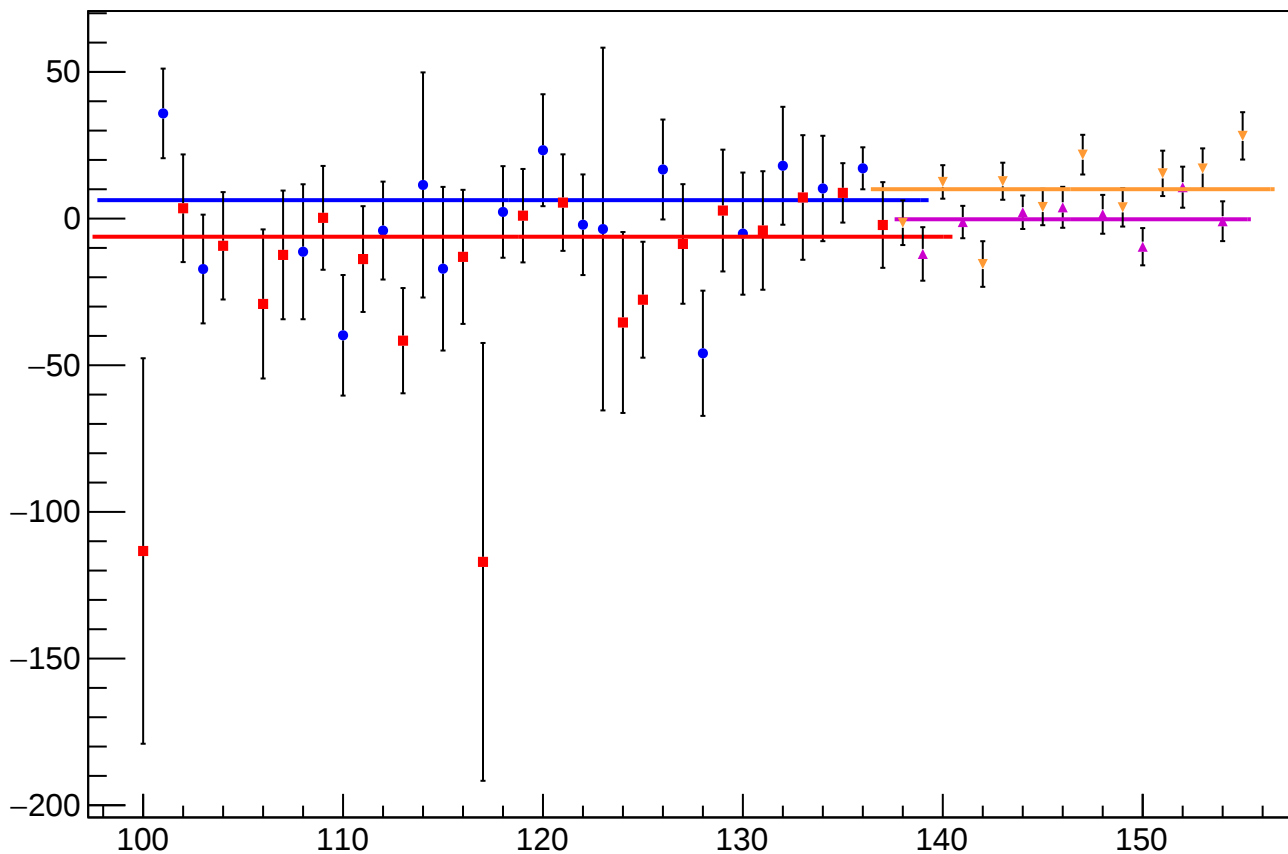
Left In: 4249.035 ± 1.316 $\chi^2/\text{NDF}: 2297020.4/7$

4855.007 ± 0.980 $\chi^2/\text{NDF}: 2806272.7/26$

4656.149 ± 0.677 $\chi^2/\text{NDF}: 6572551.2/54$

4474.197 ± 0.937 $\chi^2/\text{NDF}: 3687416.2/27$

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.283 $\pm$ 4.064 χ^2 /NDF: 22.5/16

Left Out: 10.019 $\pm$ 2.163 χ^2 /NDF: 24.9/9

Right Out: -6.182 $\pm$ 4.212 χ^2 /NDF: 16.0/19

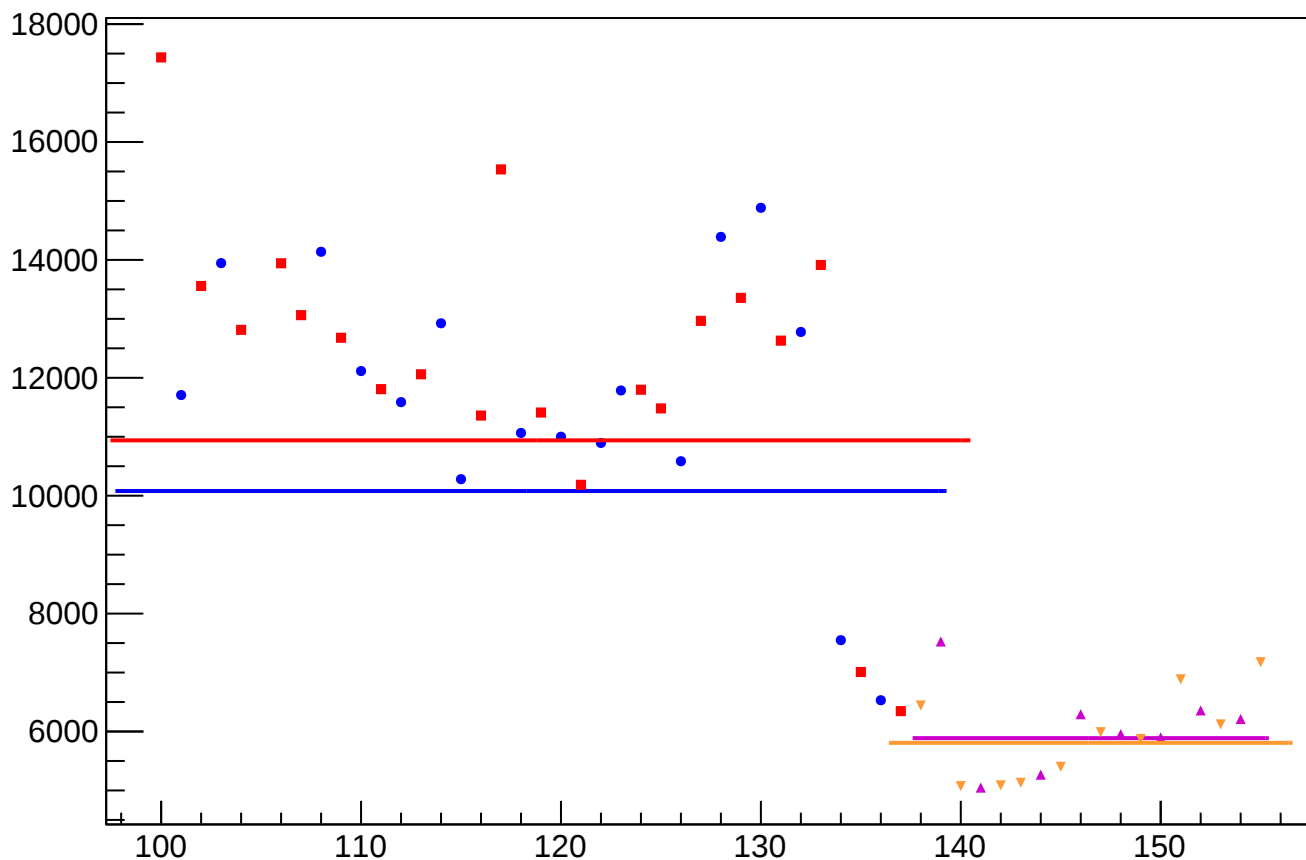
Left In: -0.234 $\pm$ 2.320 χ^2 /NDF: 6.9/7

9.195 $\pm$ 1.909 χ^2 /NDF: 48.1/26

4.126 $\pm$ 1.392 χ^2 /NDF: 87.6/54

-1.619 $\pm$ 2.032 χ^2 /NDF: 24.5/27

diff_bpm16X_rms vs Slug, Sign Corrected



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

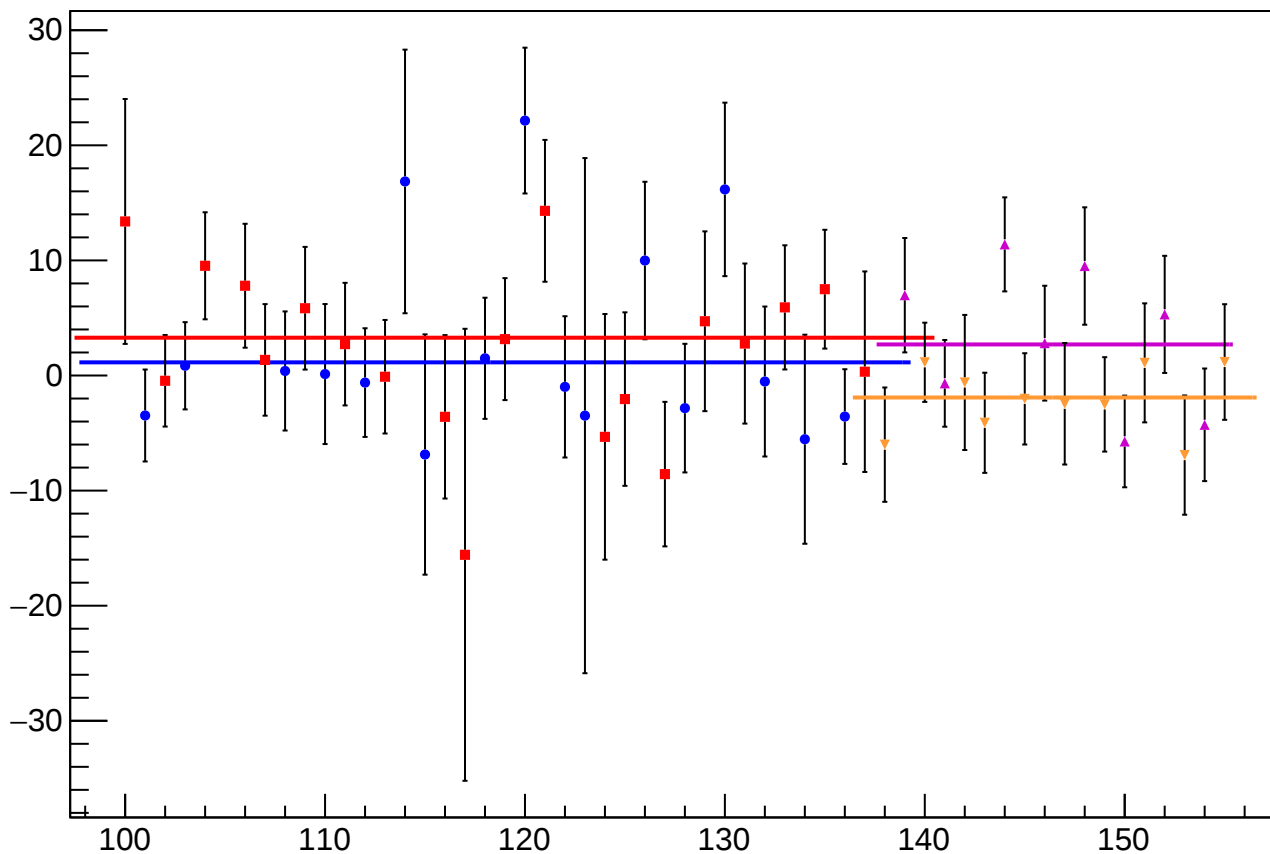
Left In: 5887.505 $\pm$ 1.641 χ^2/NDF :154871.8/7

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

6897.180 $\pm$ -0.984 χ^2/NDF : 6077302.8/54

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

diff_bpm16Y_mean vs Slug, Sign Corrected



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

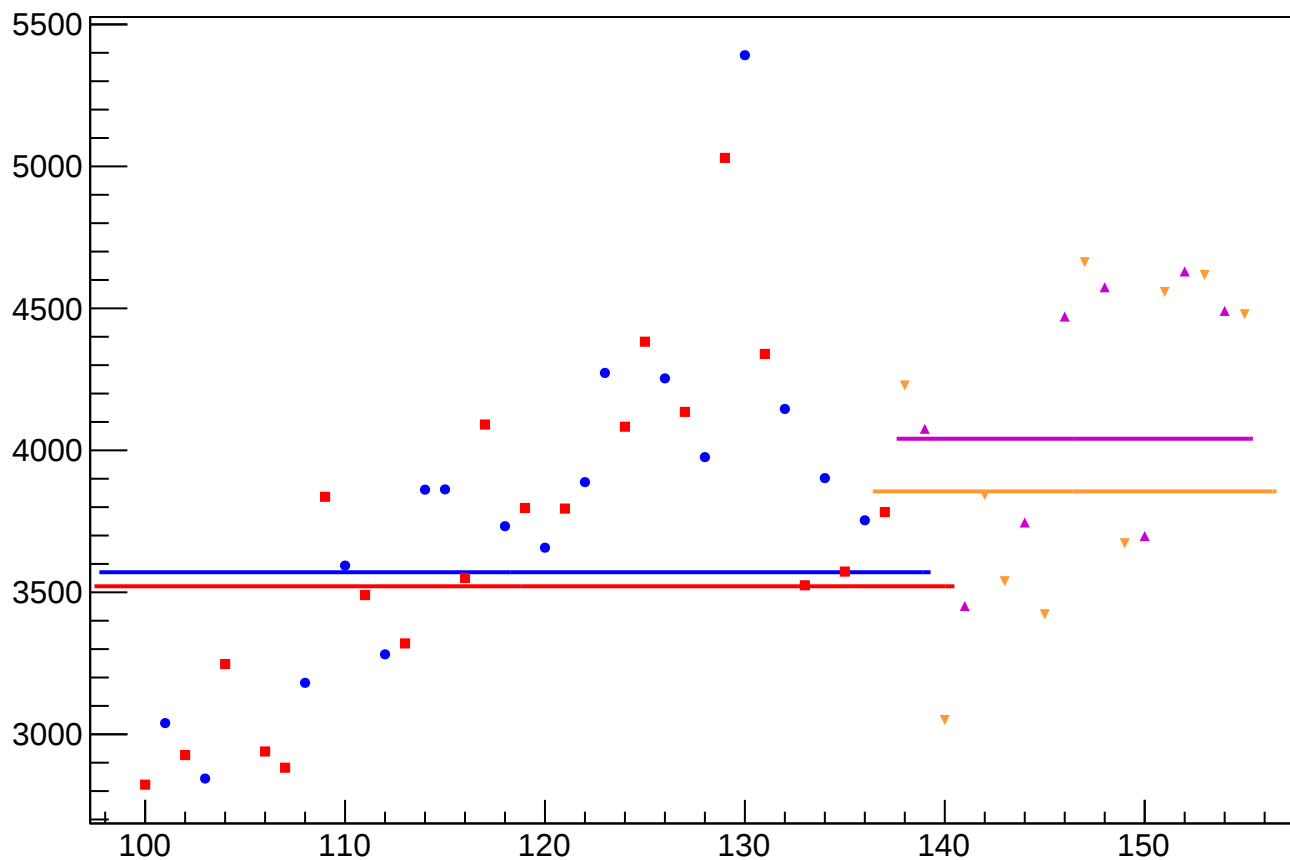
Left In: 2.700 ± 1.595 χ^2/NDF : 14.6/7

-0.333 ± 1.003 χ^2/NDF : 29.0/26

1.325 ± 0.716 χ^2/NDF : 65.3/54

3.045 ± 1.022 χ^2/NDF : 30.7/27

diff_bpm16Y_rms vs Slug, Sign Corrected



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

Left Out: 3855.406 $\pm$ 1.021 χ^2/NDF :316990.8/9

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

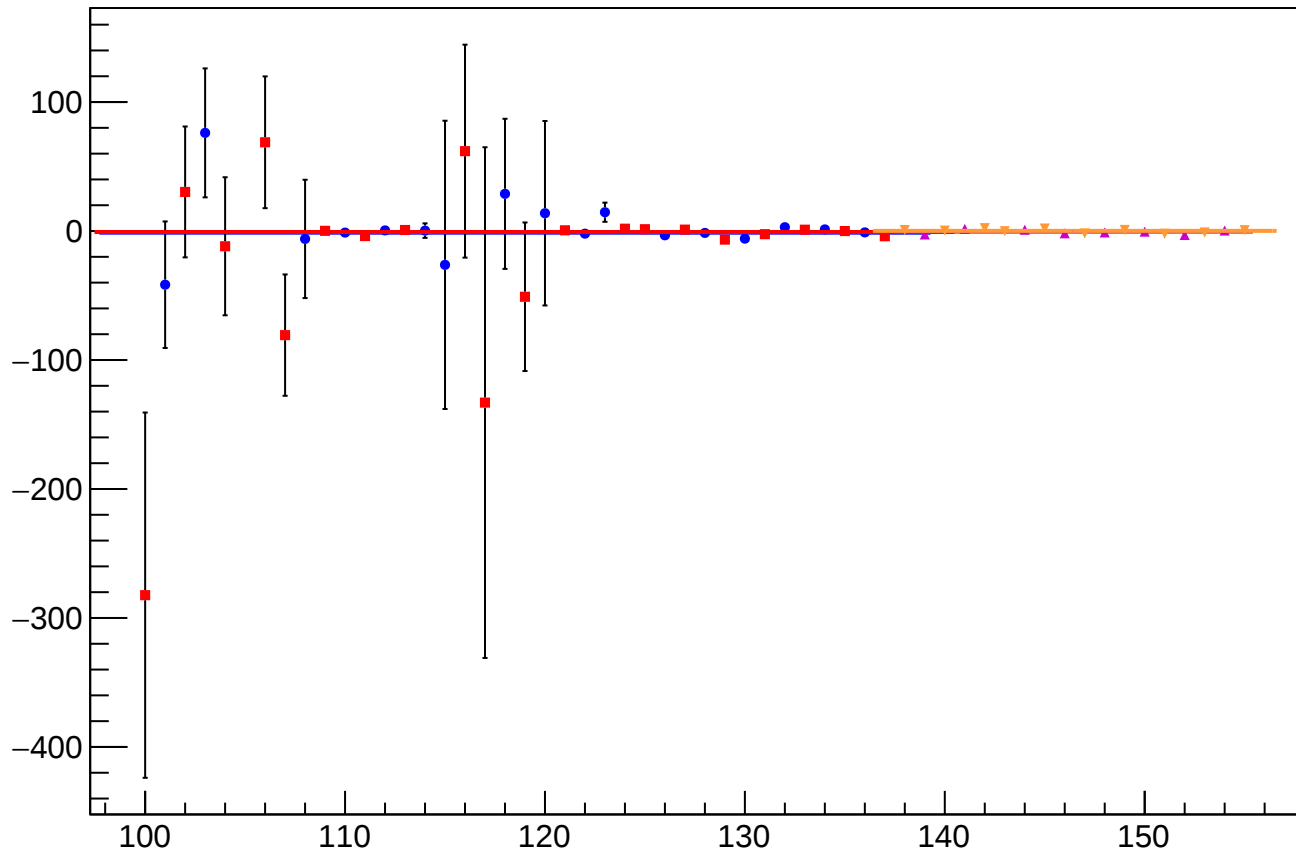
Left In: 4040.853 $\pm$ 1.128 χ^2/NDF :154738.9/7

3708.239 $\pm$ 0.709 χ^2/NDF : 666788.3/26

3721.049 $\pm$ 0.506 χ^2/NDF : 1242281.2/54

3734.335 $\pm$ 0.722 χ^2/NDF : 574828.5/27

diff_bpm1p02bX_mean vs Slug, Sign Corrected



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

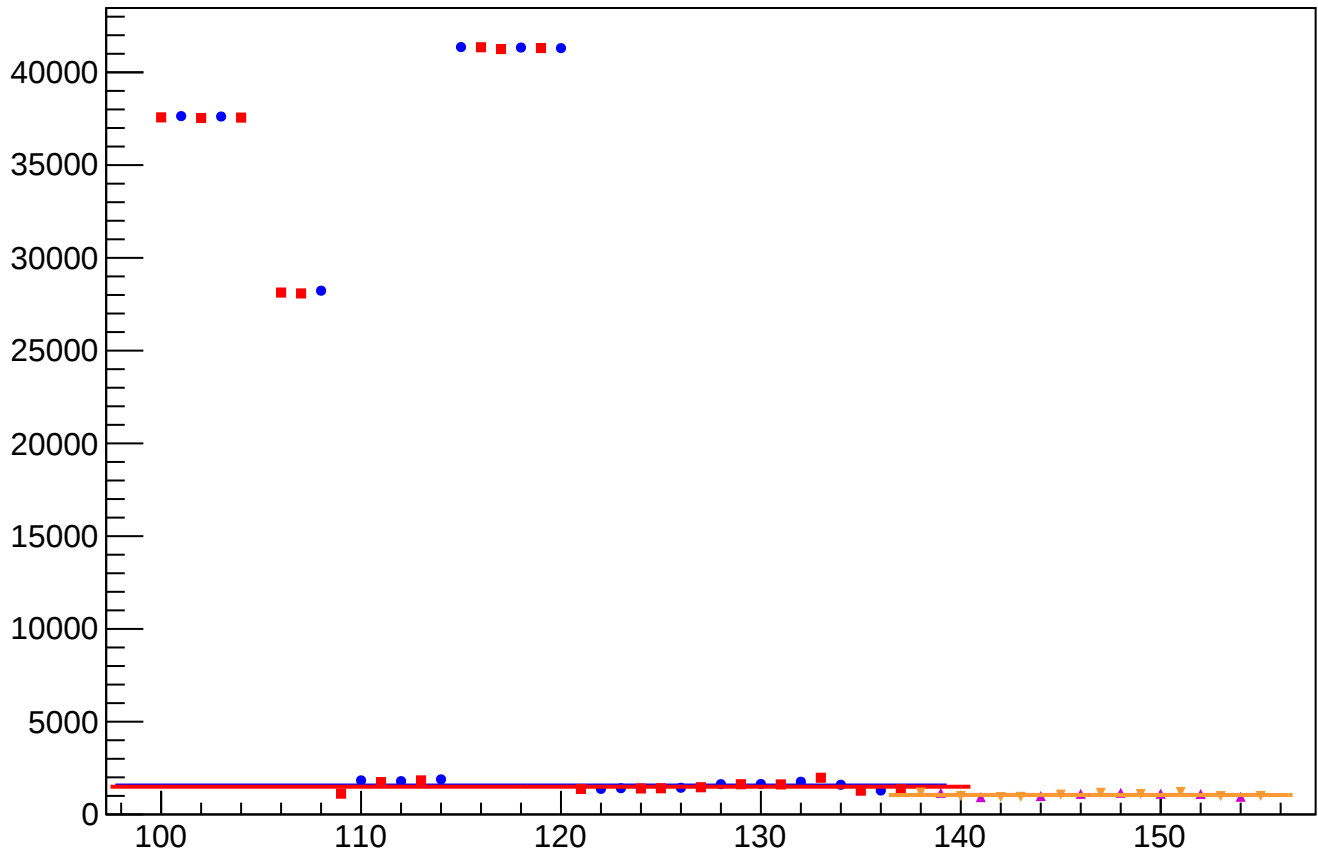
Left In: -0.450 ± 0.414 χ^2/NDF : 15.1/7

-0.162 ± 0.345 χ^2/NDF : 30.6/26

-0.335 ± 0.248 χ^2/NDF : 68.9/54

-0.522 ± 0.357 χ^2/NDF : 37.8/27

diff_bpm1p02bX_rms vs Slug, Sign Corrected



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

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

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

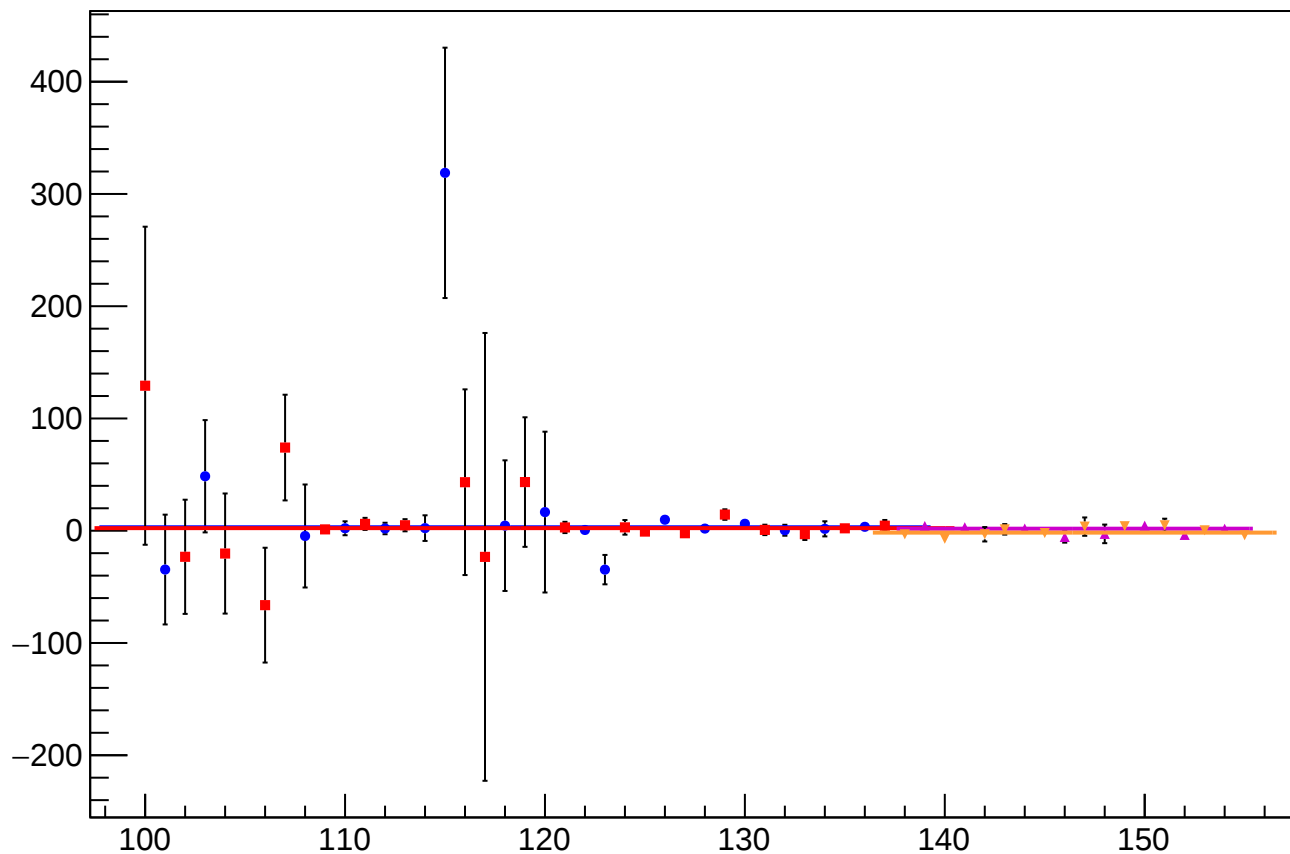
Left In: 1050.961+/-0.292 χ^2/NDF : 93048.6/7

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

1160.243+/-0.175 χ^2/NDF : 11247599.1/5

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

diff_bpm1p02bY_mean vs Slug, Sign Corrected



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

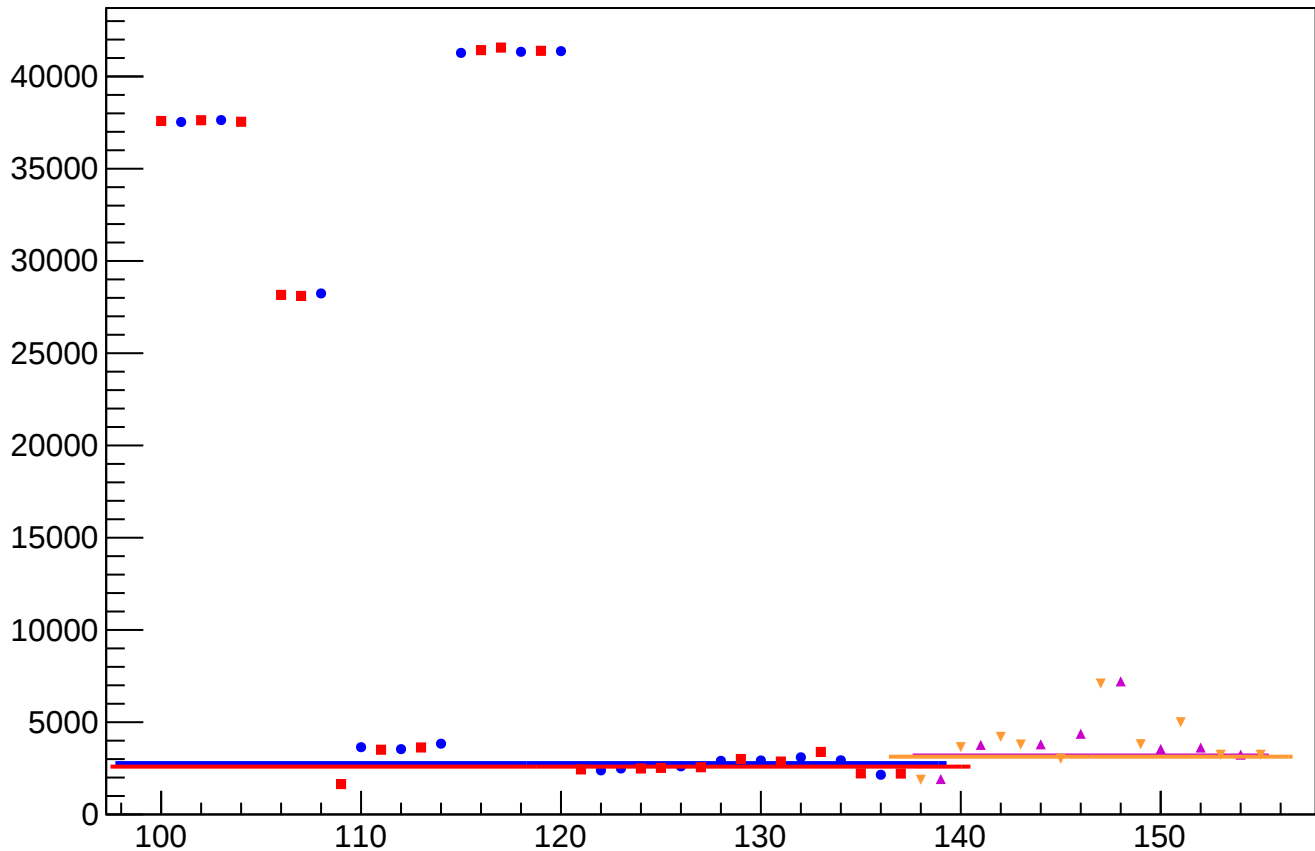
Left In: 1.813 ± 1.338 χ^2/NDF : 5.9/7

0.535 ± 0.904 χ^2/NDF : 35.6/26

1.304 ± 0.640 χ^2/NDF : 60.0/54

2.079 ± 0.907 χ^2/NDF : 22.9/27

diff_bpm1p02bY_rms vs Slug, Sign Corrected



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

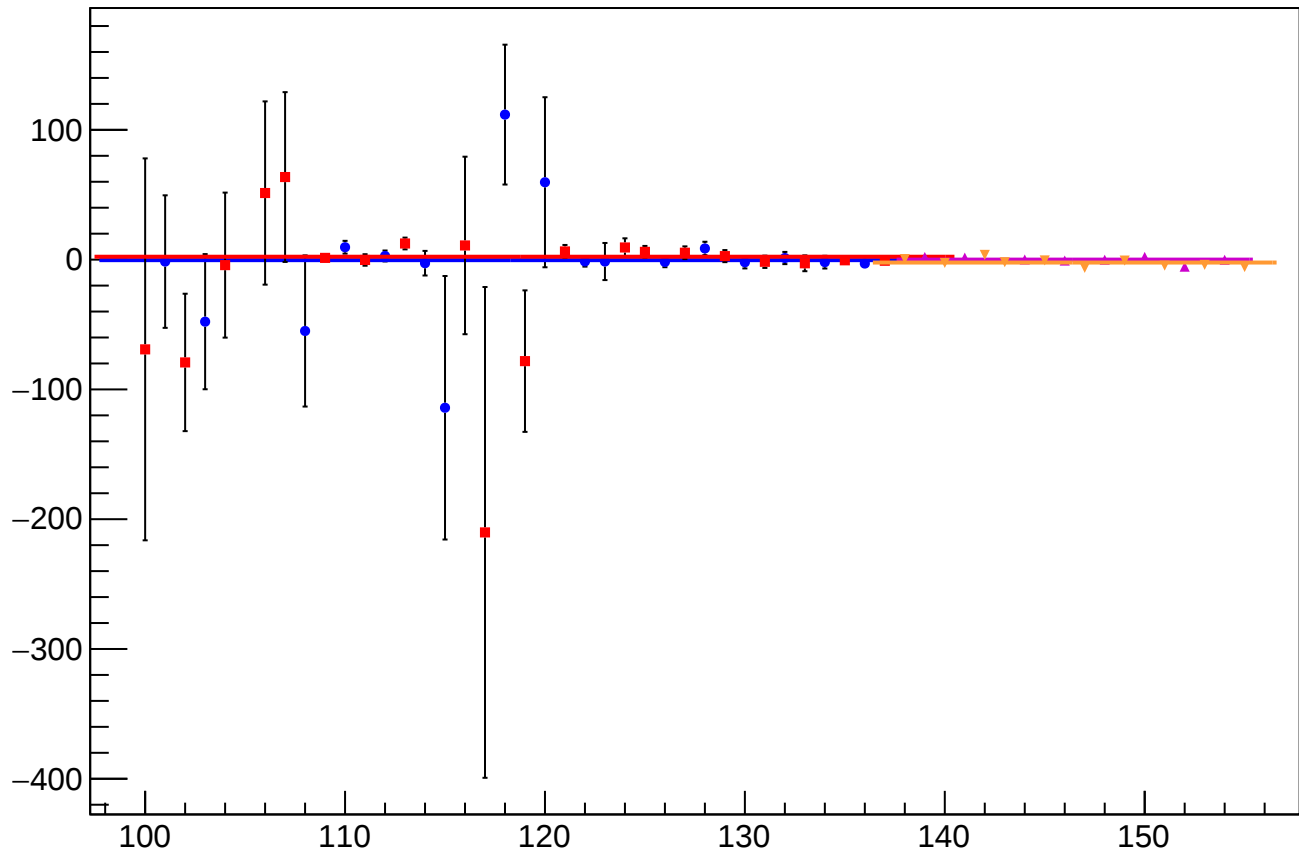
Left In: 3195.882+/-0.946 χ^2/NDF : 1281297.1/7

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

2919.917+/-0.453 χ^2/NDF : 12553317.5/5

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

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -0.403 $\pm$ 1.218 χ^2/NDF : 18.3/16

Left Out: -2.240 $\pm$ 0.613 χ^2/NDF : 19.3/9

Right Out: 2.235 $\pm$ 1.246 χ^2/NDF : 18.7/19

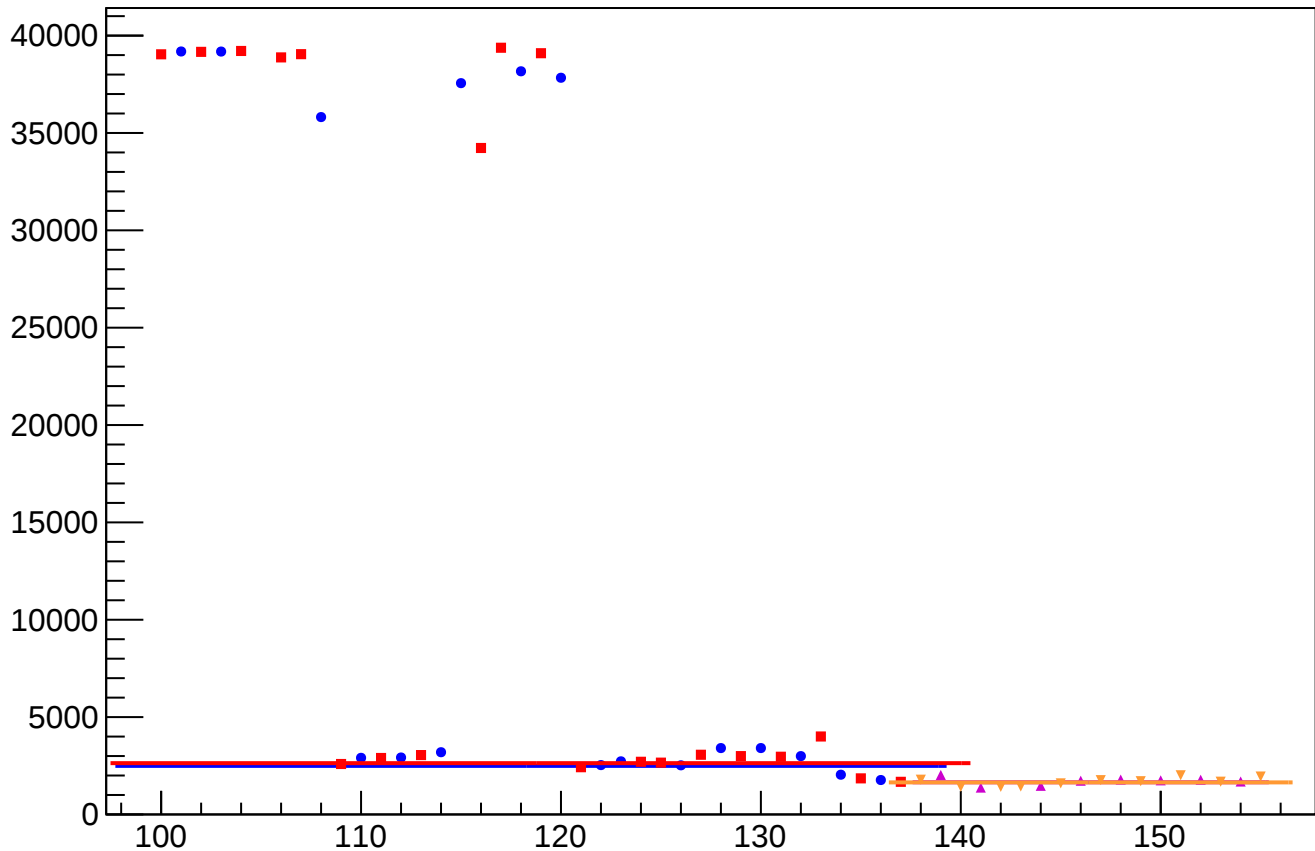
Left In: 0.011 $\pm$ 0.652 χ^2/NDF : 10.8/7

-1.869 $\pm$ 0.547 χ^2/NDF : 39.3/26

-0.754 $\pm$ 0.397 χ^2/NDF : 80.1/54

0.490 $\pm$ 0.578 χ^2/NDF : 32.0/27

diff_bpm1p03aX_rms vs Slug, Sign Corrected



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

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

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

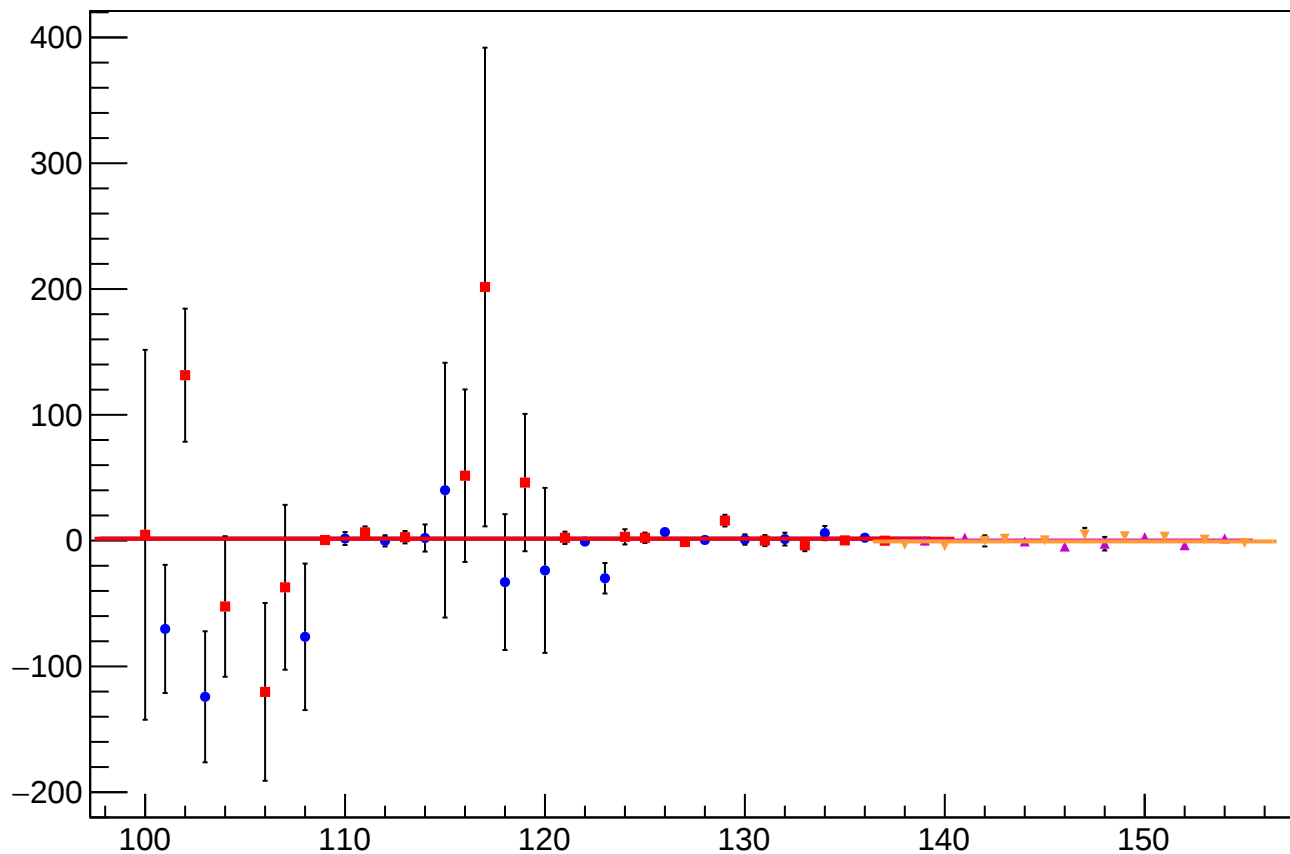
Left In: 1653.719 ± 0.461 χ^2/NDF : 166618.9/7

1818.047 ± 0.387 χ^2/NDF : 5859852.4/26

1840.173 ± 0.281 χ^2/NDF : 11942782.5/5

1864.856 ± 0.409 χ^2/NDF : 6076012.4/27

diff_bpm1p03aY_mean vs Slug, Sign Corrected



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

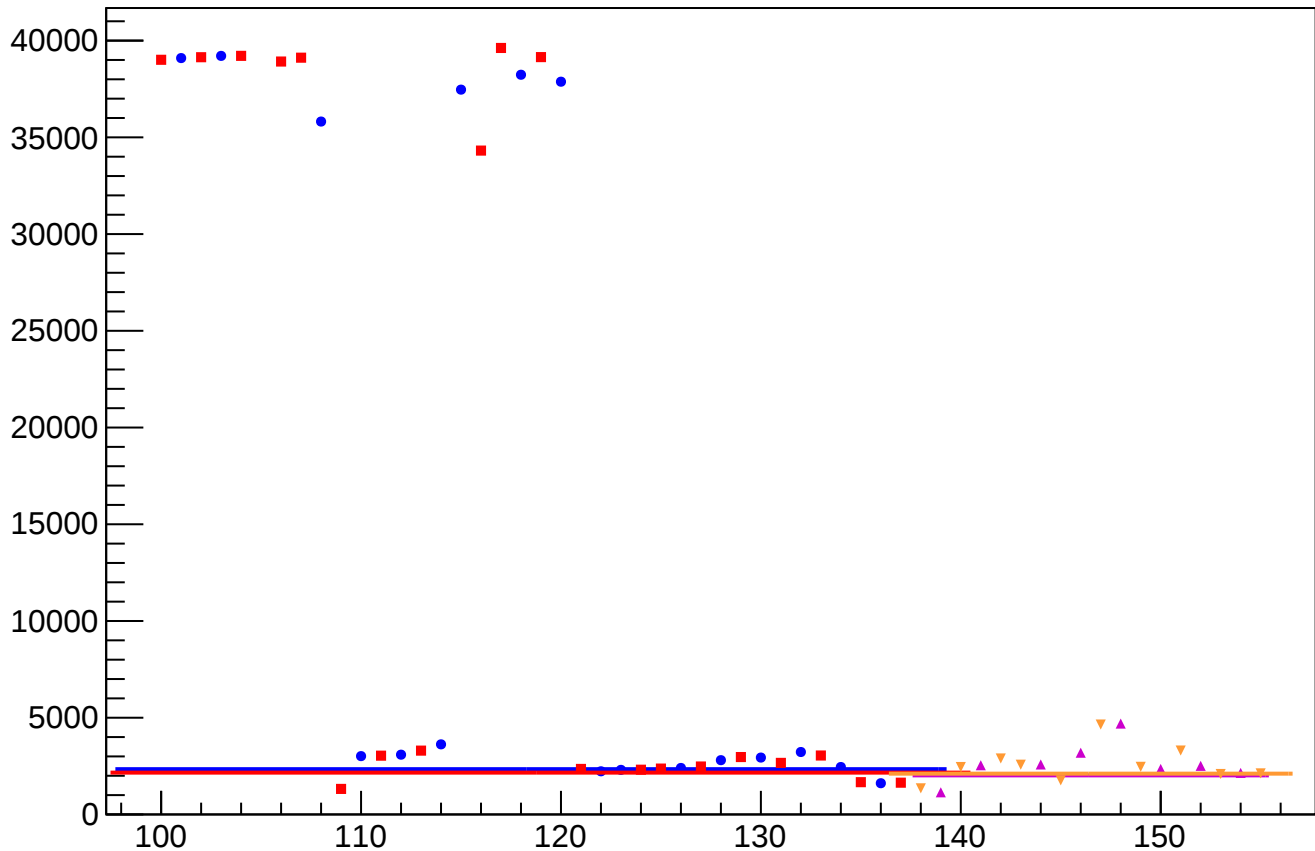
Left In: 0.069 ± 0.863 χ^2/NDF : 5.9/7

0.135 ± 0.675 χ^2/NDF : 32.2/26

0.394 ± 0.475 χ^2/NDF : 65.7/54

0.650 ± 0.670 χ^2/NDF : 33.2/27

diff_bpm1p03aY_rms vs Slug, Sign Corrected



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

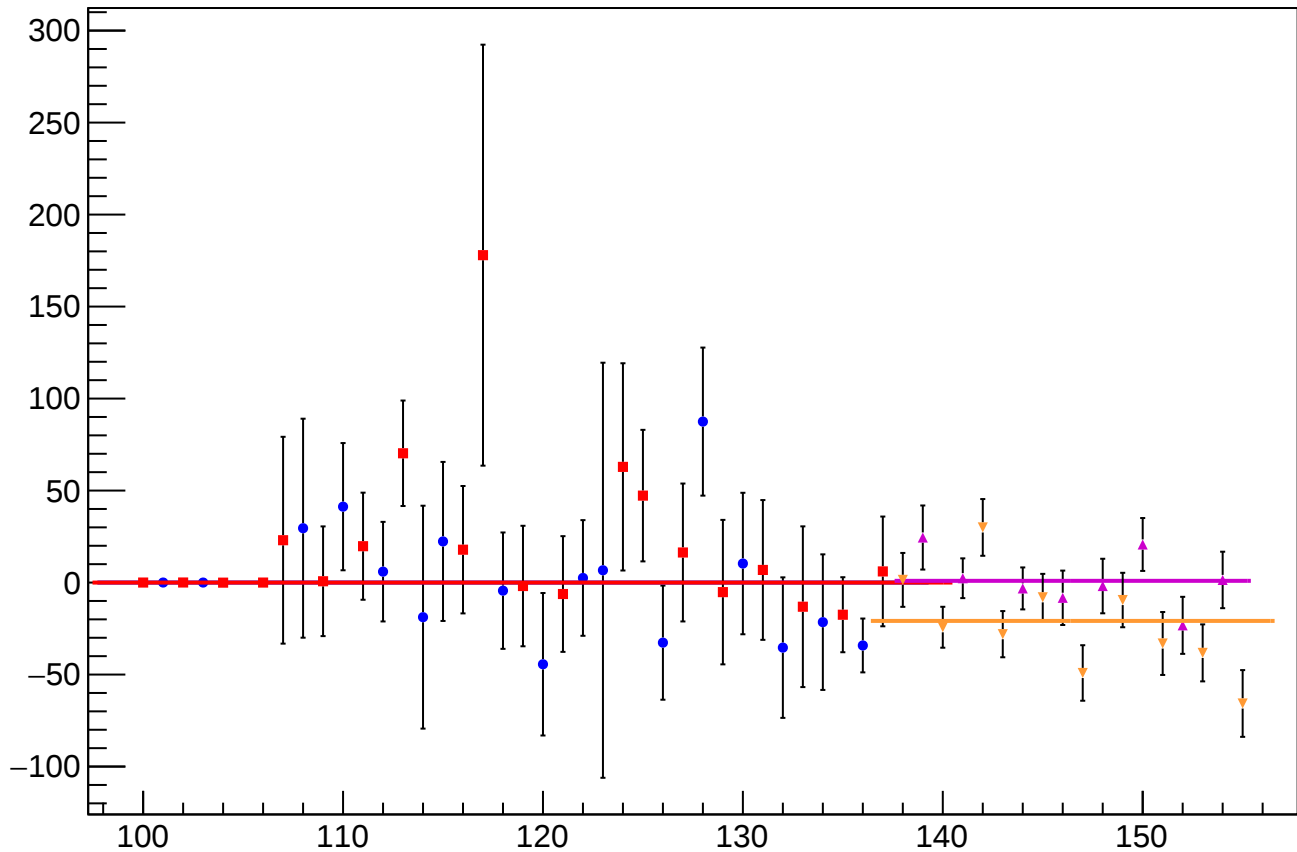
Left In: 2020.102 ± 0.610 χ^2/NDF : 1741828.1/7

2190.047 ± 0.477 χ^2/NDF : 6315200.8/26

2132.944 ± 0.336 χ^2/NDF : 13483626.8/5

2076.676 ± 0.474 χ^2/NDF : 7139995.0/27

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013 $\pm$ 0.017 χ^2/NDF : 16.2/16

Left Out: -20.840 $\pm$ 4.515 χ^2/NDF : 26.6/9

Right Out: -0.003 $\pm$ 0.016 χ^2/NDF : 18.3/19

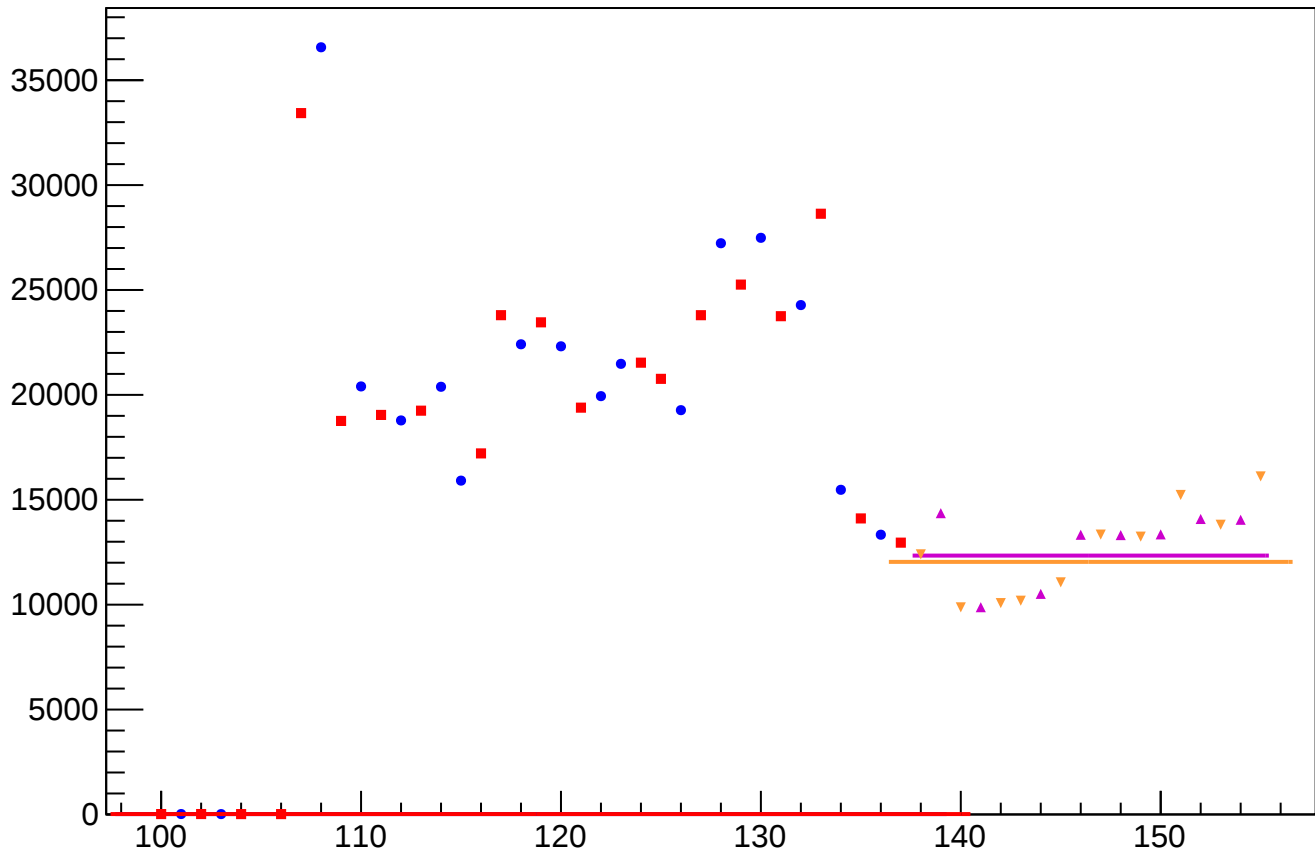
Left In: 0.942 $\pm$ 4.884 χ^2/NDF : 6.7/7

0.013 $\pm$ 0.017 χ^2/NDF : 64.1/26

0.004 $\pm$ 0.012 χ^2/NDF : 89.6/54

-0.003 $\pm$ 0.016 χ^2/NDF : 25.1/27

diff_cav4bX_rms vs Slug, Sign Corrected



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

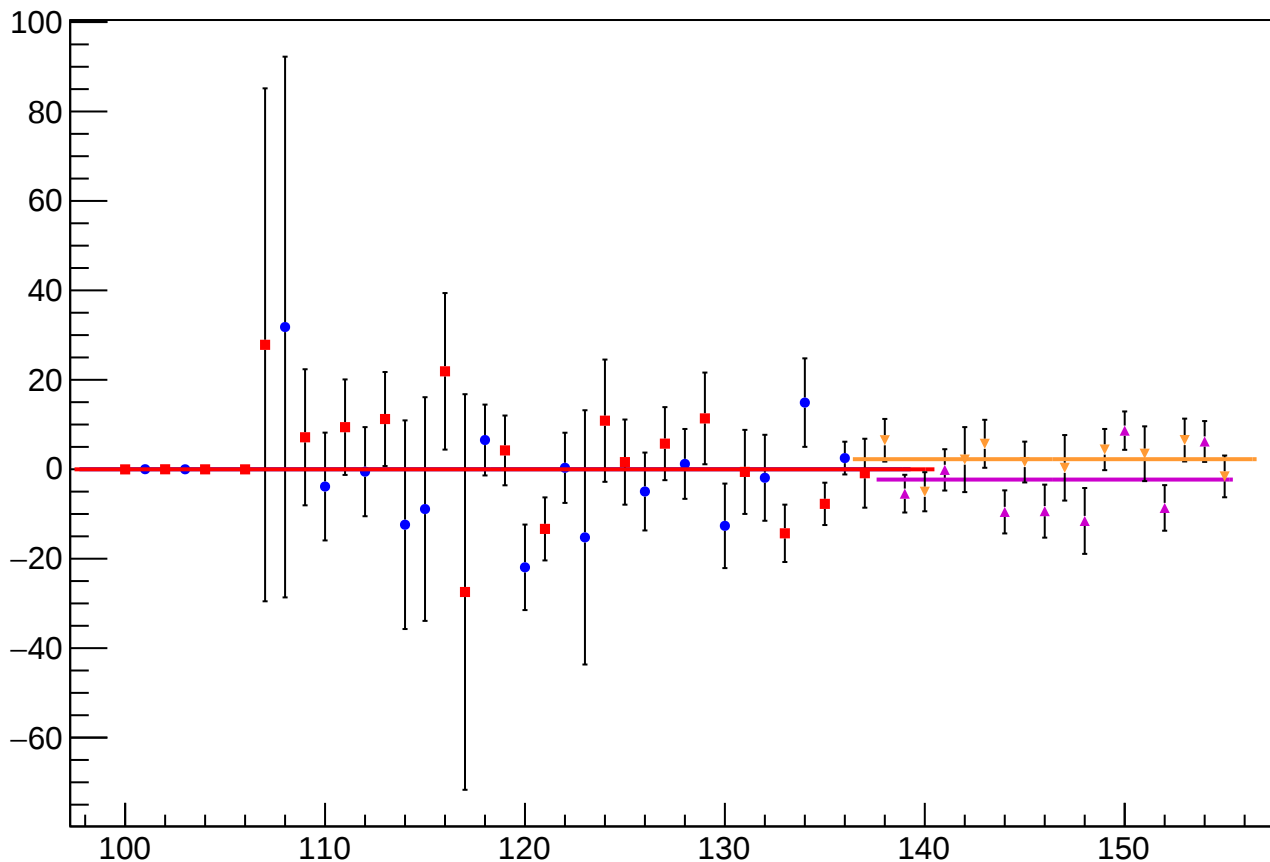
Left In: 12339.186+/-3.453 χ^2/NDF : 259524.1/7

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

18.618+/-0.008 χ^2/NDF : 49735644.9/54

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

diff_cav4bY_mean vs Slug, Sign Corrected



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

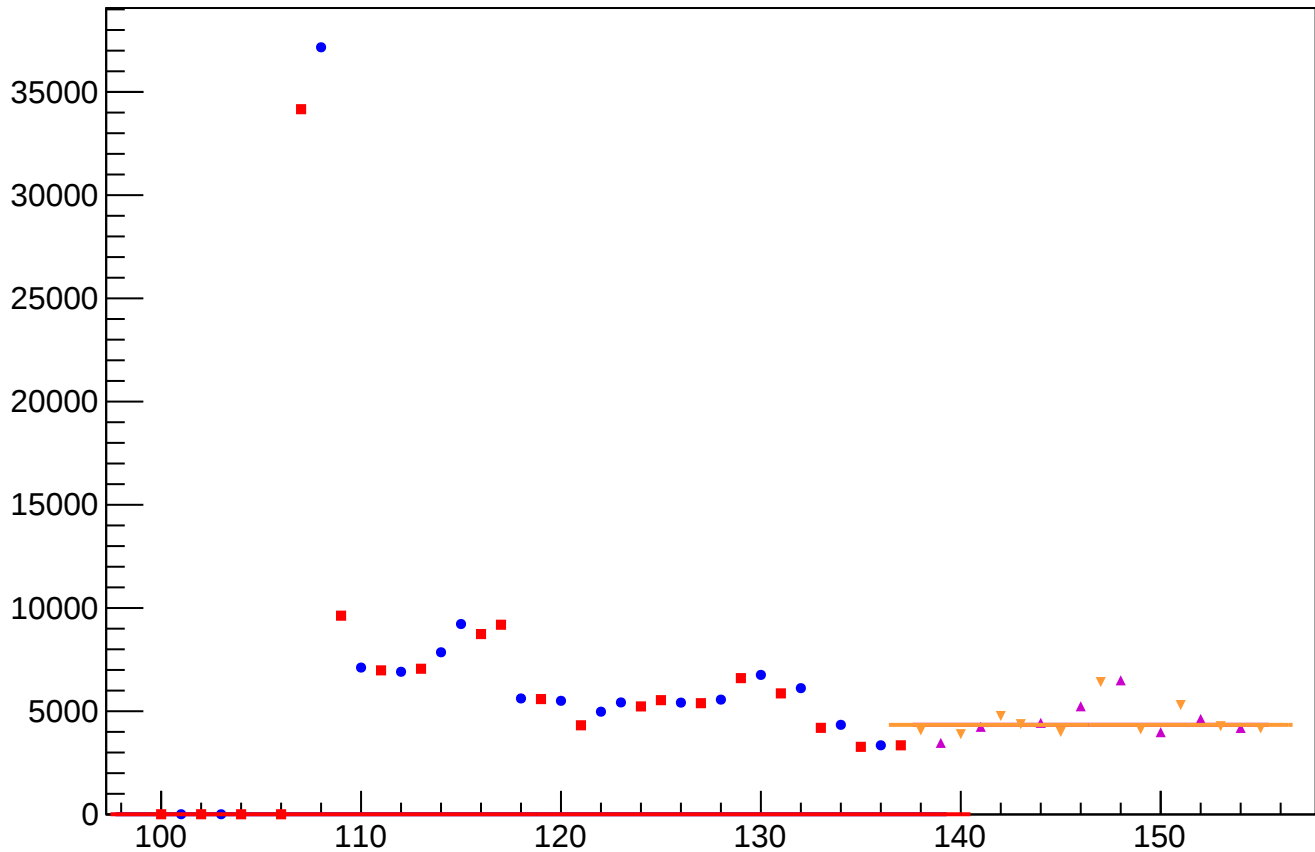
Left In: -2.305 $\pm$ 1.731 χ^2/NDF : 17.6/7

0.001 $\pm$ 0.009 χ^2/NDF : 20.8/26

-0.007 $\pm$ 0.006 χ^2/NDF : 60.4/54

-0.014 $\pm$ 0.009 χ^2/NDF : 38.3/27

diff_cav4bY_rms vs Slug, Sign Corrected



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

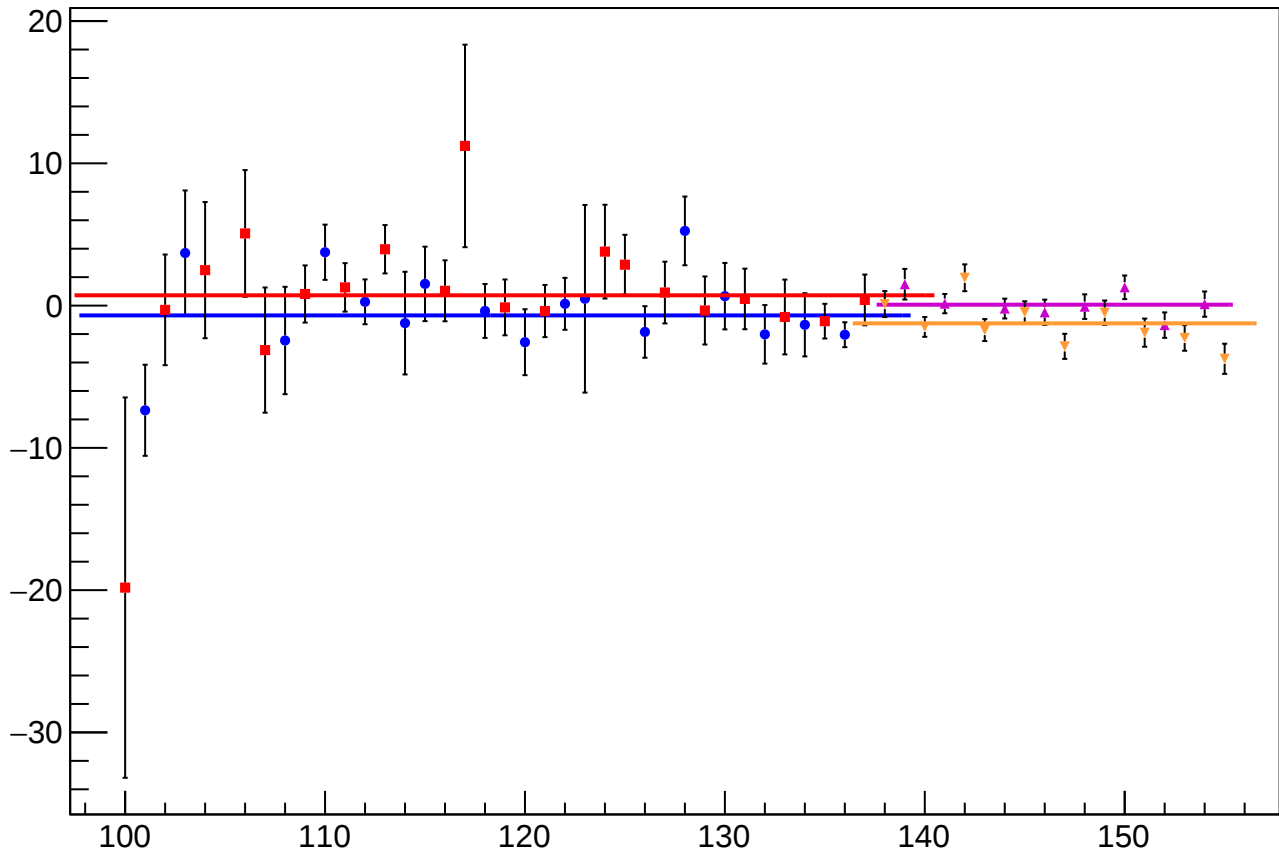
Left In: 4342.806 ± 1.224 χ^2/NDF : 327228.2/7

10.078 ± 0.007 χ^2/NDF : 25627601.9/26

10.017 ± 0.004 χ^2/NDF : 49736204.5/54

9.963 ± 0.006 χ^2/NDF : 24108435.7/27

diff_cav4cX_mean vs Slug, Sign Corrected



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

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

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

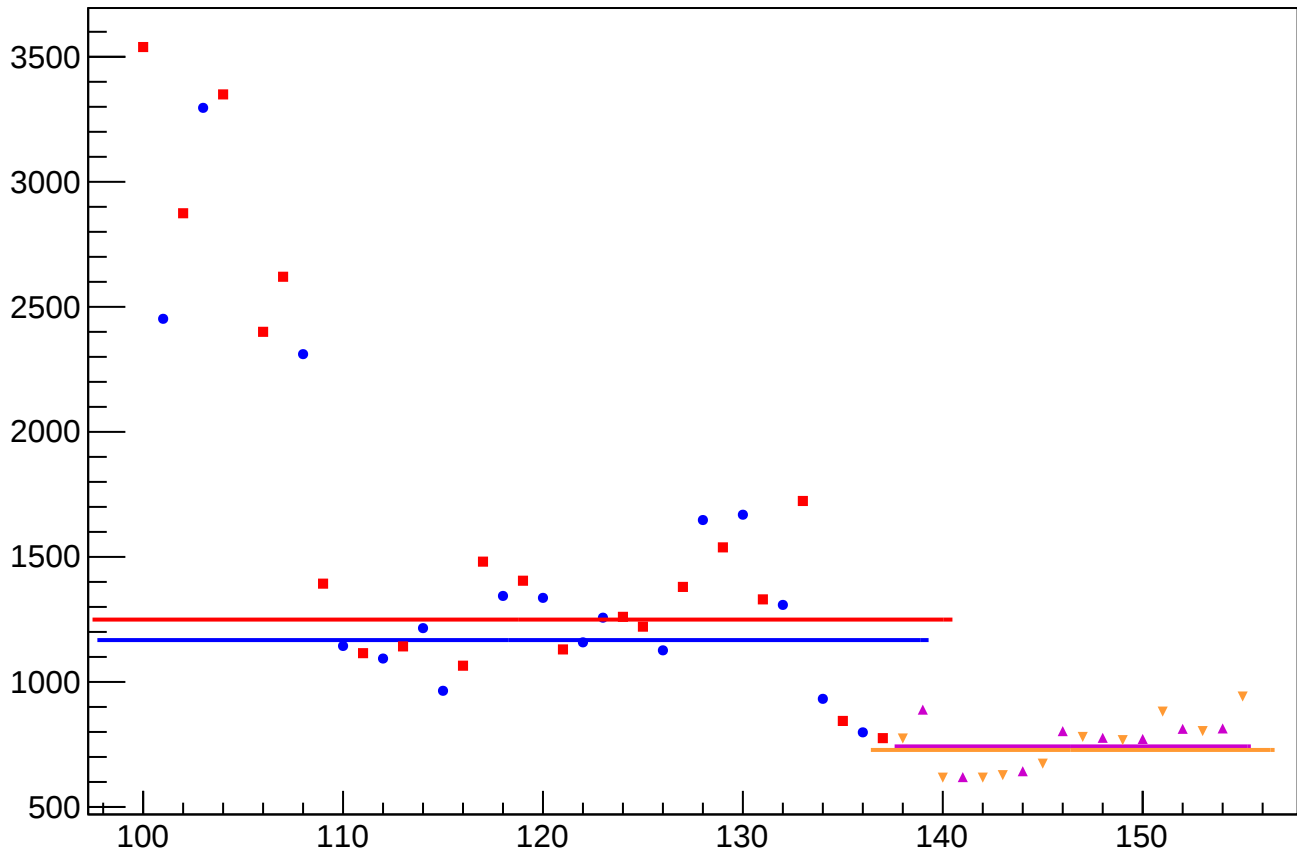
Left In: 0.065 ± 0.293 χ^2/NDF : 7.1/7

-1.113 ± 0.237 χ^2/NDF : 50.2/26

-0.483 ± 0.173 χ^2/NDF : 89.1/54

0.234 ± 0.253 χ^2/NDF : 23.9/27

diff_cav4cX_rms vs Slug, Sign Corrected



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

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

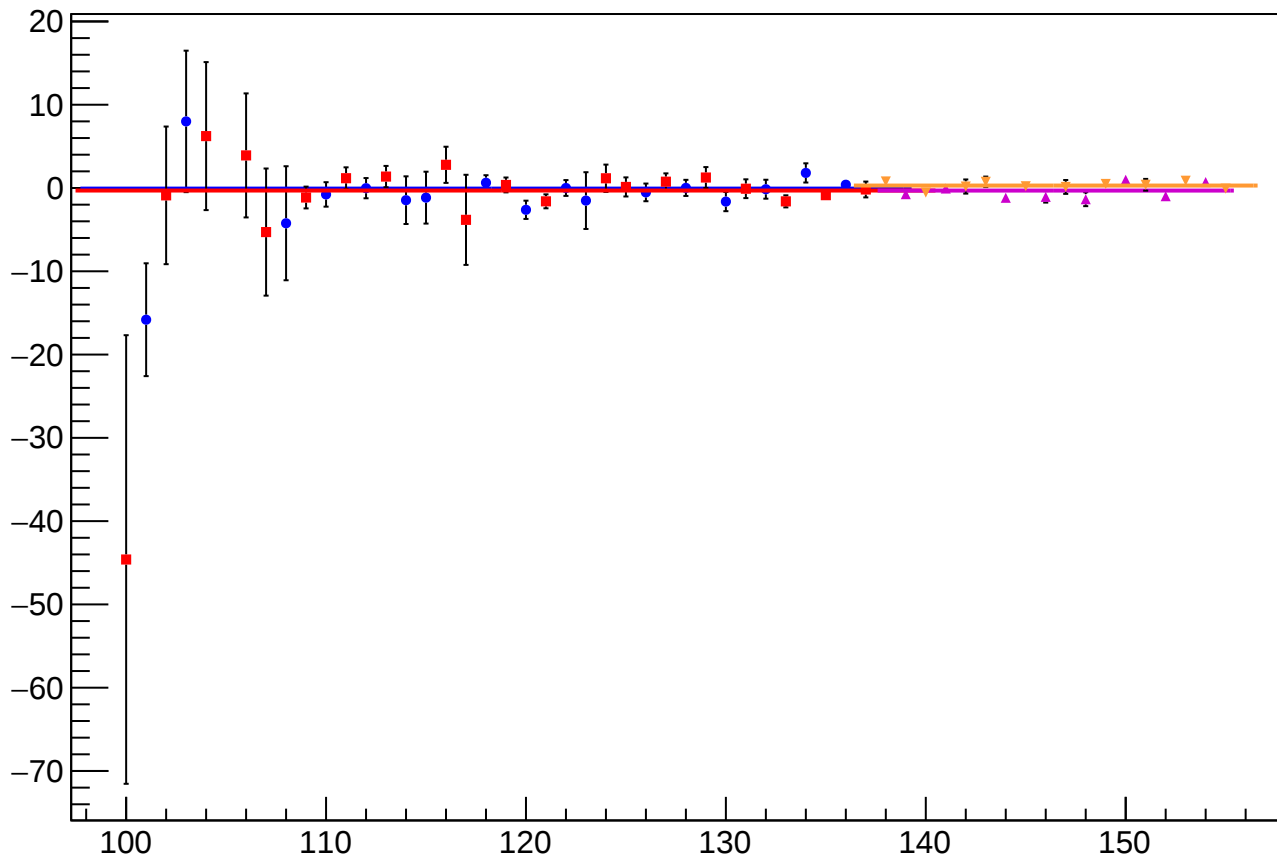
Left In: 742.222 $\pm$ 0.207 χ^2 /NDF: 184109.2/7

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

851.759 $\pm$ 0.122 χ^2 /NDF: 6518814.8/54

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

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.072 $\pm$ 0.269 χ^2/NDF : 19.2/16

Left Out: 0.294 $\pm$ 0.192 χ^2/NDF : 5.6/9

Right Out: -0.303 $\pm$ 0.264 χ^2/NDF : 20.7/19

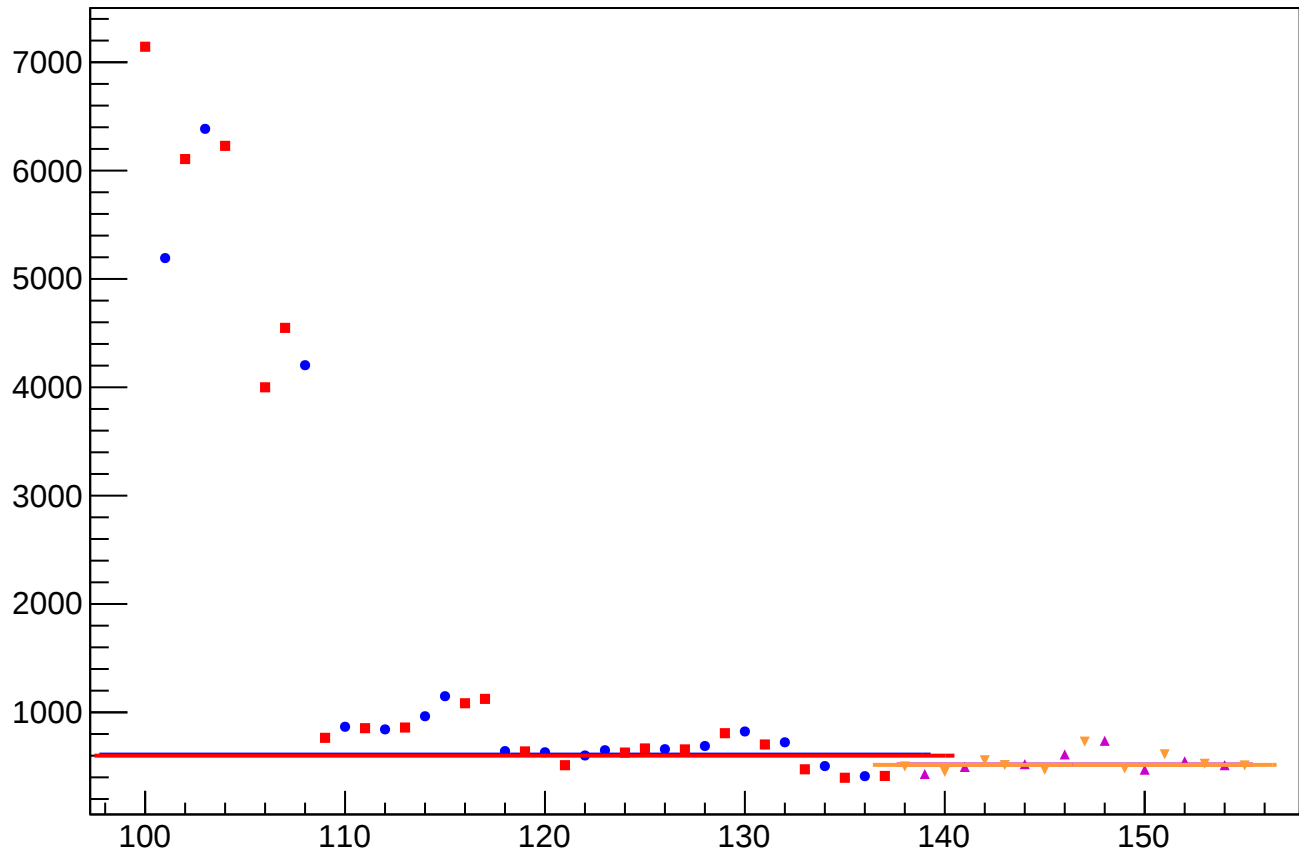
Left In: -0.309 $\pm$ 0.206 χ^2/NDF : 17.1/7

0.170 $\pm$ 0.156 χ^2/NDF : 26.0/26

-0.059 $\pm$ 0.113 χ^2/NDF : 68.2/54

-0.306 $\pm$ 0.162 χ^2/NDF : 37.8/27

diff_cav4cY_rms vs Slug, Sign Corrected



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

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

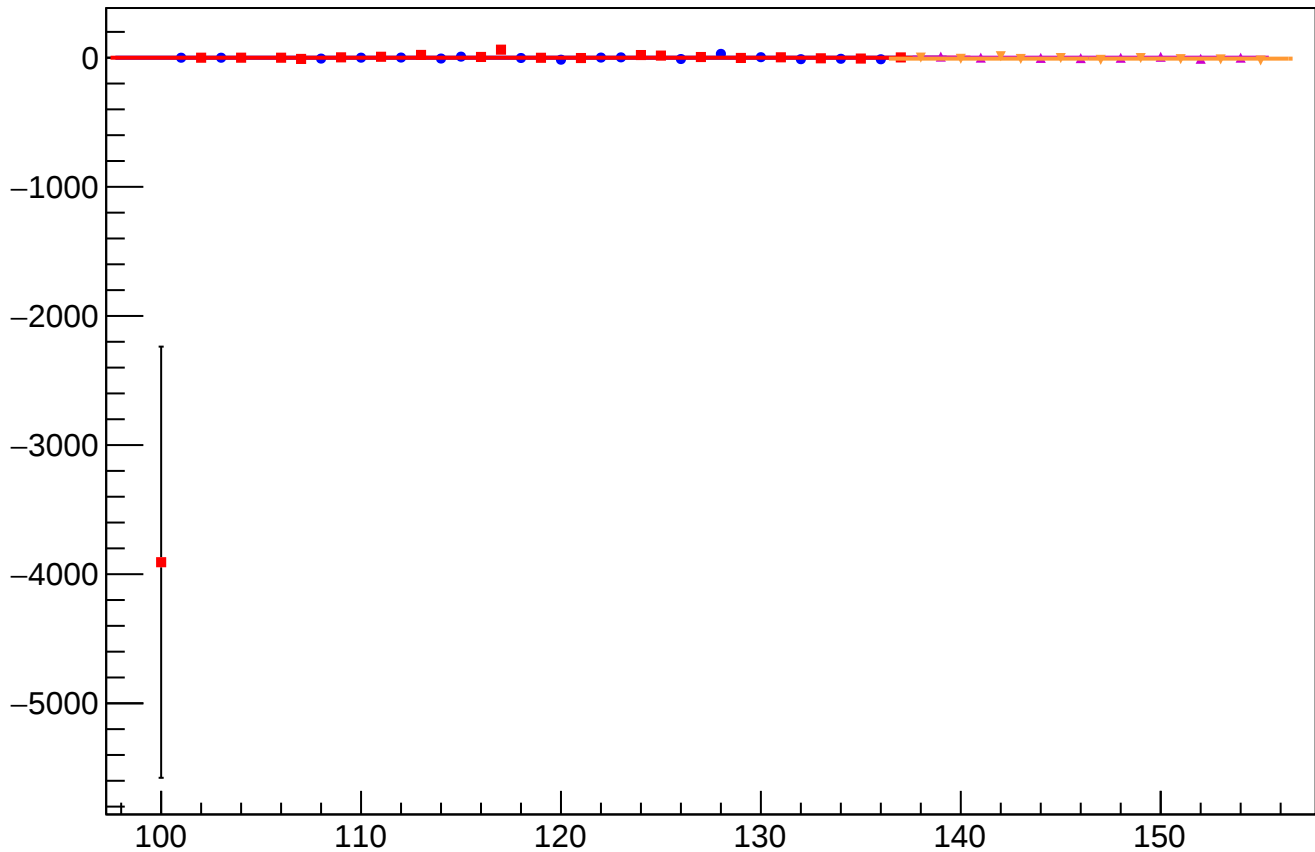
Left In: 518.563 $\pm$ 0.146 χ^2 /NDF: 256039.9/7

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

548.334 $\pm$ 0.080 χ^2 /NDF: 7479589.9/54

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

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022 $\pm$ 0.021 χ^2 /NDF: 15.6/16

Left Out: -7.189 $\pm$ 1.579 χ^2 /NDF: 26.7/9

Right Out: 0.027 $\pm$ 0.020 χ^2 /NDF: 20.5/19

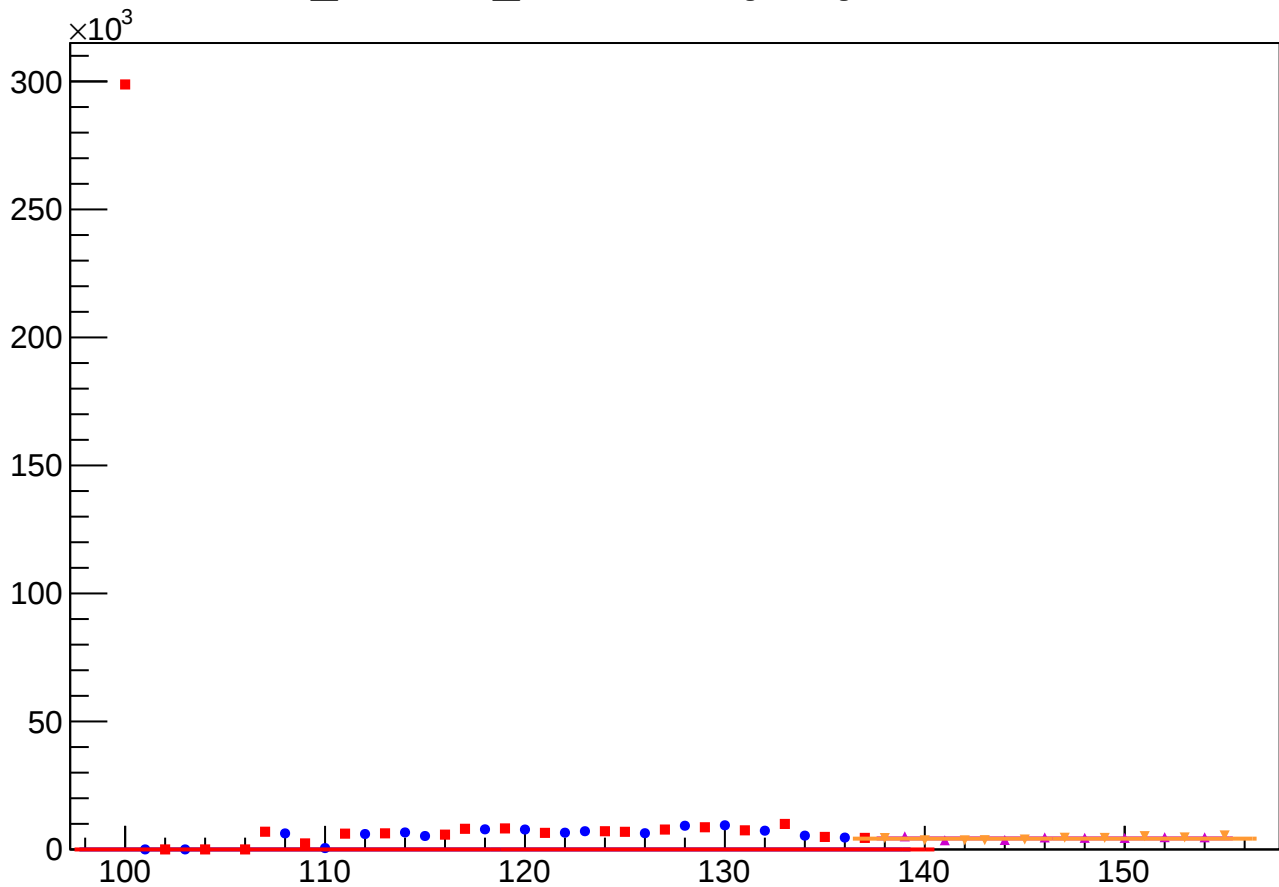
Left In: 0.380 $\pm$ 1.705 χ^2 /NDF: 7.0/7

-0.023 $\pm$ 0.021 χ^2 /NDF: 62.9/26

0.003 $\pm$ 0.014 χ^2 /NDF: 93.4/54

0.027 $\pm$ 0.020 χ^2 /NDF: 27.5/27

diff_cav4dX_rms vs Slug, Sign Corrected



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

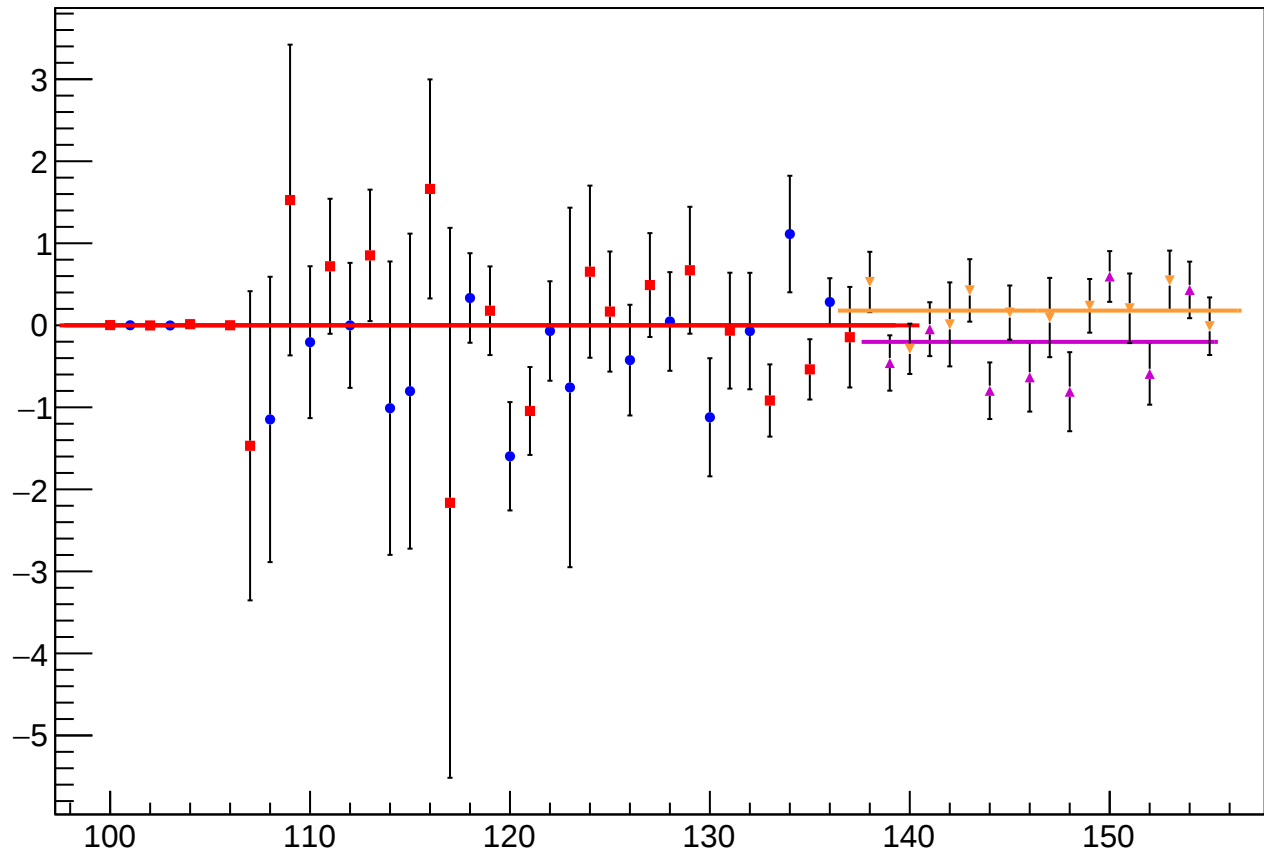
Left In: 4320.264+/-1.206 χ^2/NDF : 196454.3/7

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

17.954+/-0.010 χ^2/NDF : 48841638.6/54

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

diff_cav4dY_mean vs Slug, Sign Corrected



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

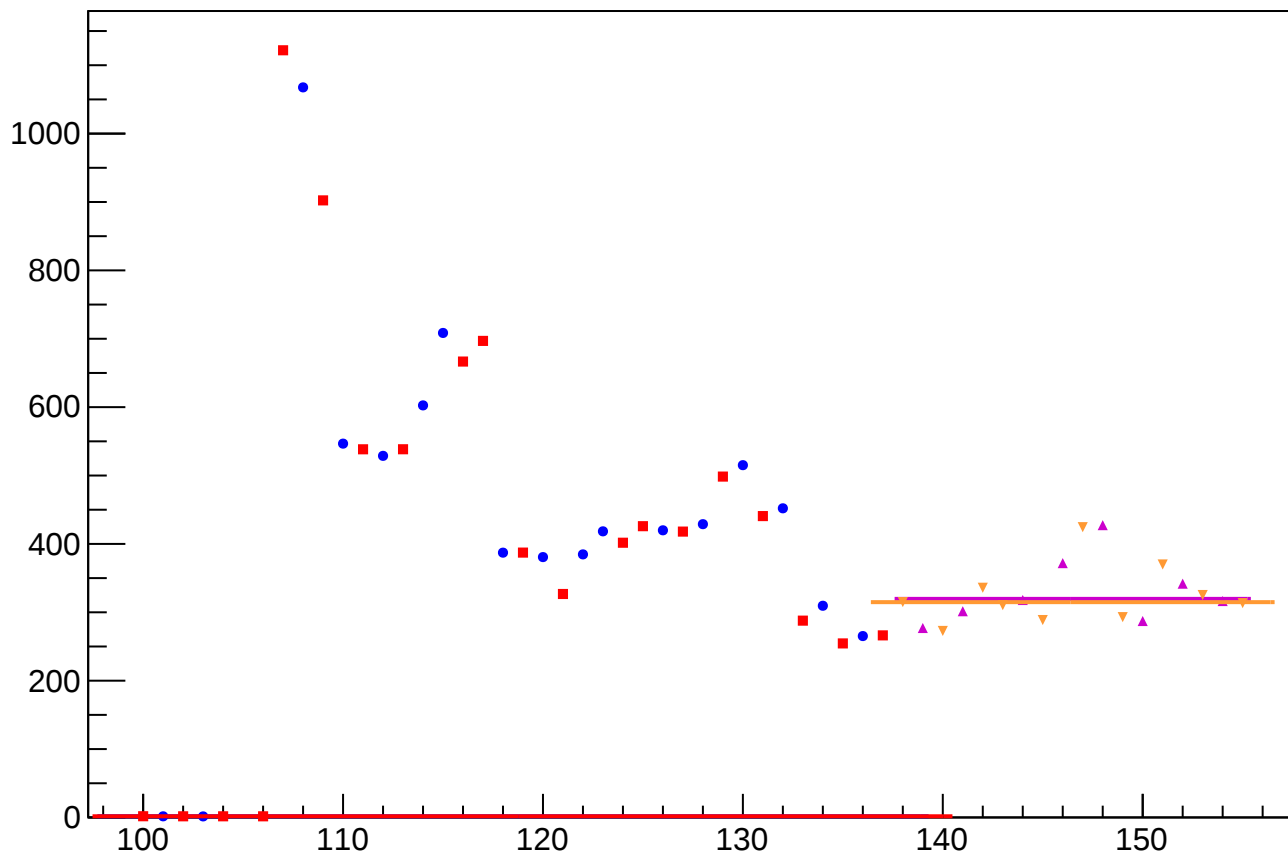
Left In: -0.202 $\pm$ 0.127 χ^2/NDF : 17.5/7

0.000 $\pm$ 0.002 χ^2/NDF : 21.2/26

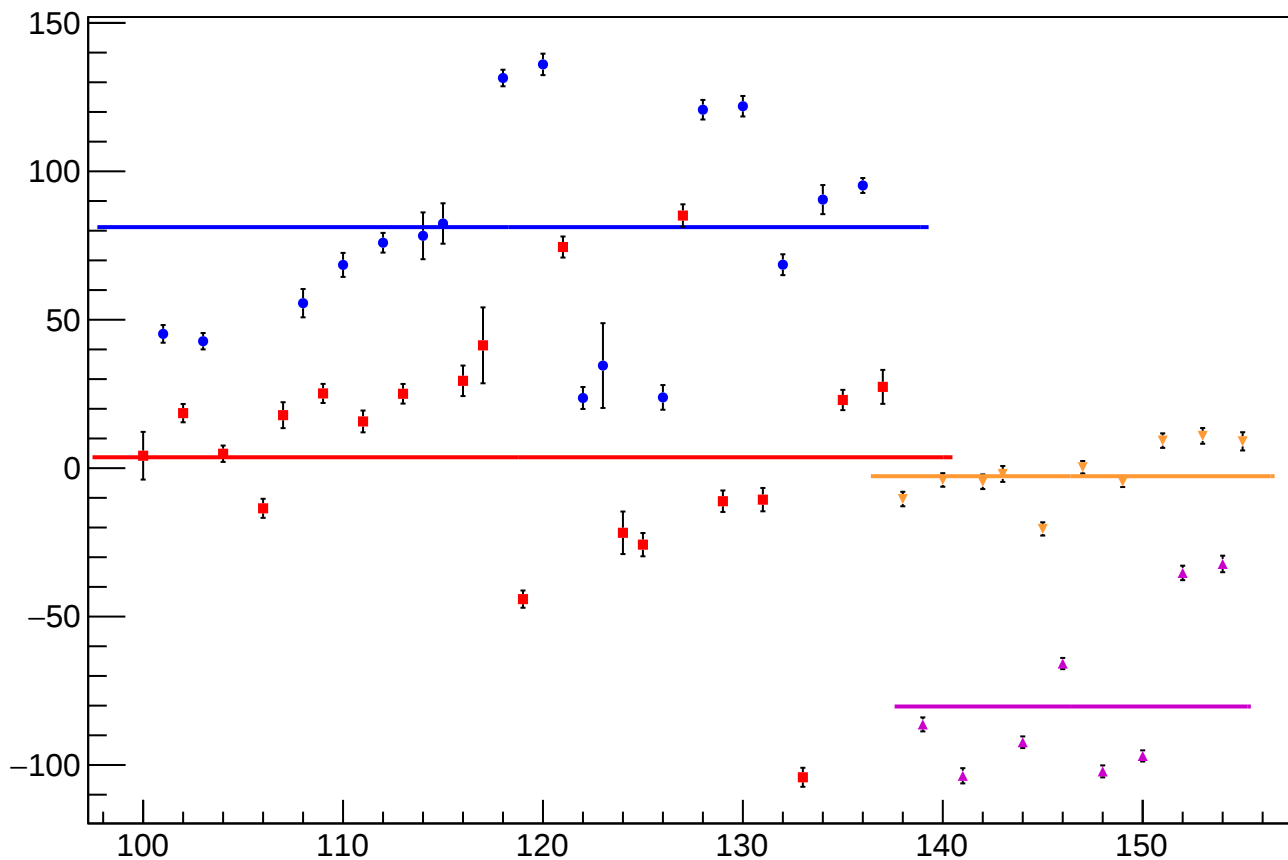
-0.000 $\pm$ 0.001 χ^2/NDF : 59.8/54

-0.001 $\pm$ 0.002 χ^2/NDF : 38.4/27

diff_cav4dY_rms vs Slug, Sign Corrected



diff_bpm0i01X_mean vs Slug, Sign Corrected



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

Left Out: -2.708 ± 0.744 χ^2/NDF : 141.8/9

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

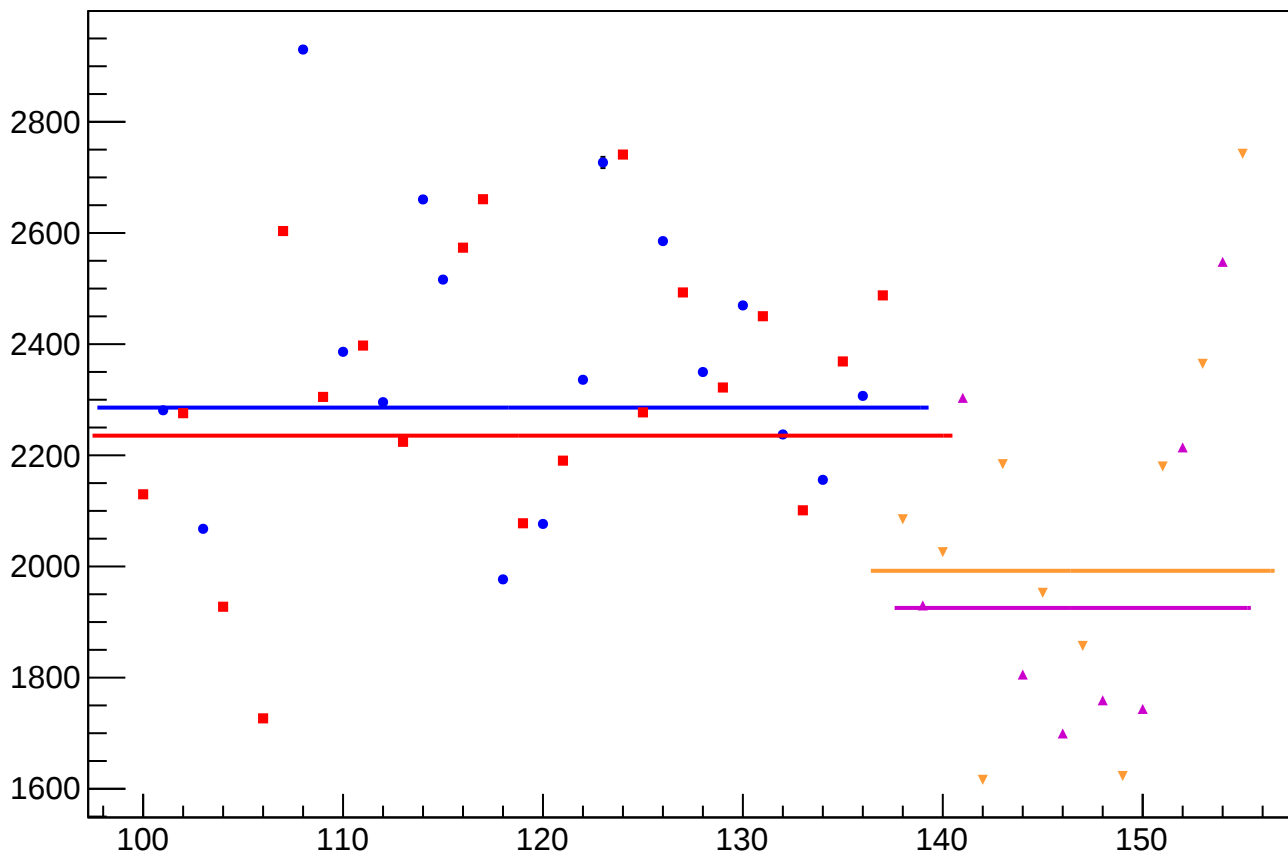
Left In: -80.293 ± 0.767 χ^2/NDF : 1019.7/7

32.027 ± 0.570 χ^2/NDF : 7111.5/26

-5.261 ± 0.402 χ^2/NDF : 24697.5/54

-42.139 ± 0.567 χ^2/NDF : 9069.8/27

diff_bpm0i01X_rms vs Slug, Sign Corrected



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

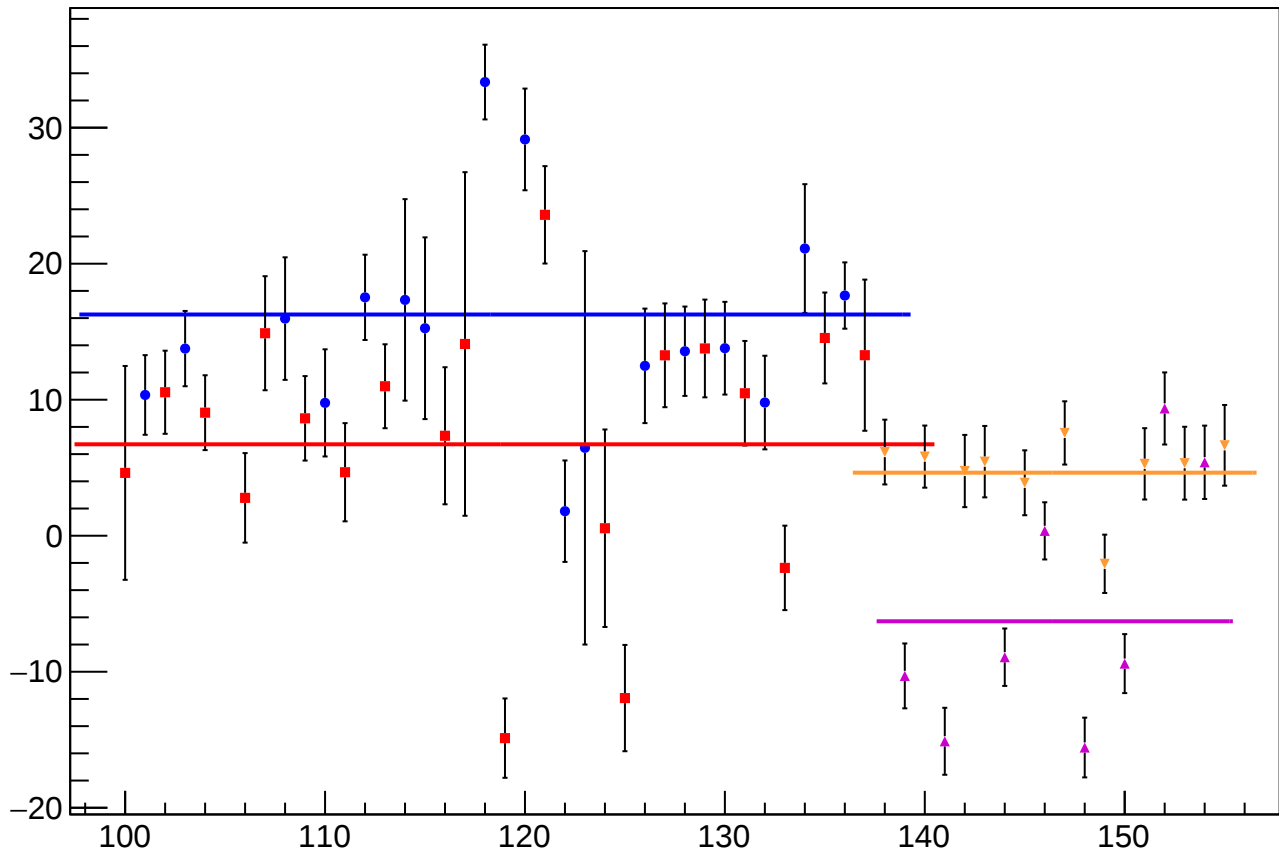
Left In: 1925.410 +/- 0.543 χ^2/NDF : 239869.3/7

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

2089.891 +/- 0.284 χ^2/NDF : 1104132.8/54

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

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.265 $\pm$ 0.872 χ^2 /NDF: 80.8/16

Left Out: 4.636 $\pm$ 0.783 χ^2 /NDF: 12.8/9

Right Out: 6.722 $\pm$ 0.829 χ^2 /NDF: 134.3/19

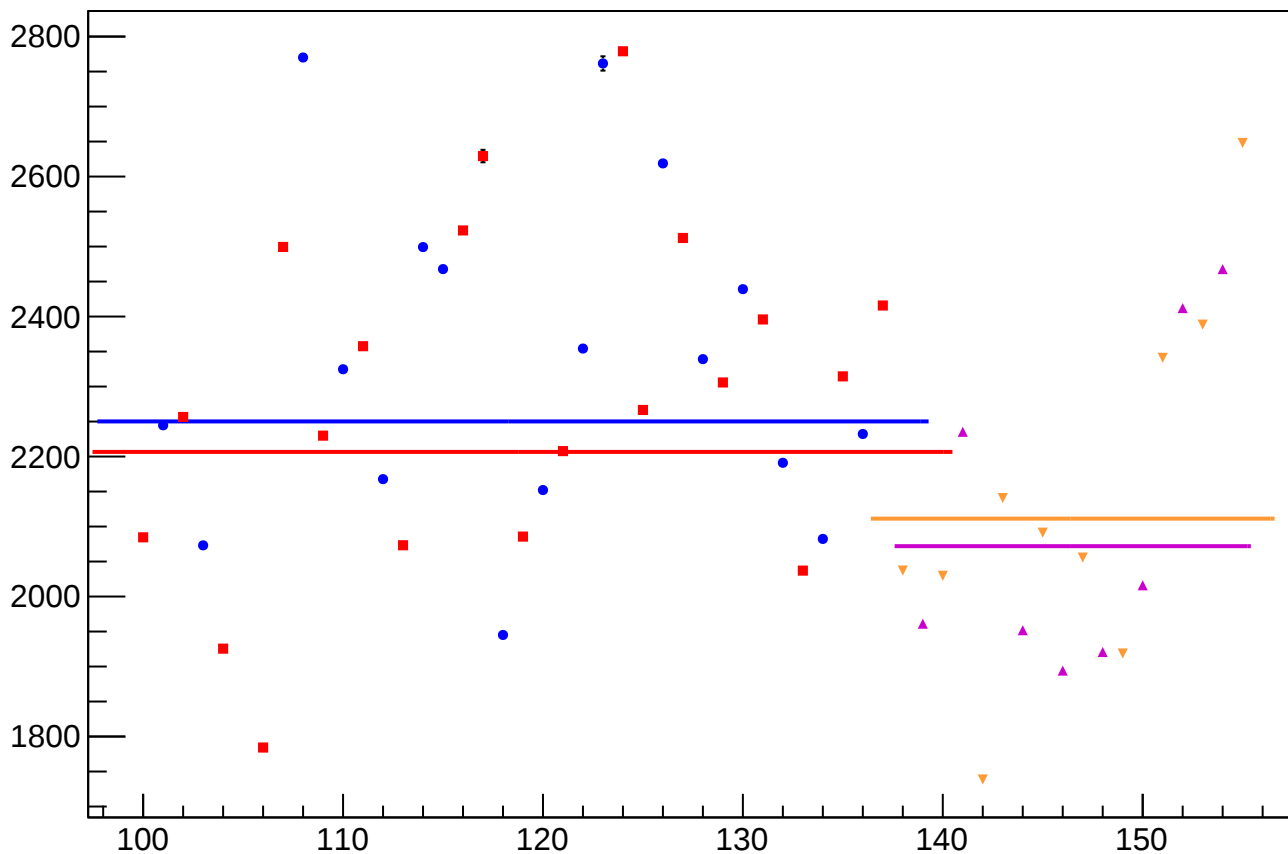
Left In: -6.289 $\pm$ 0.819 χ^2 /NDF: 100.8/7

9.829 $\pm$ 0.582 χ^2 /NDF: 192.1/26

4.984 $\pm$ 0.412 χ^2 /NDF: 690.4/54

0.137 $\pm$ 0.583 χ^2 /NDF: 359.8/27

diff_bpm0i01Y_rms vs Slug, Sign Corrected



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

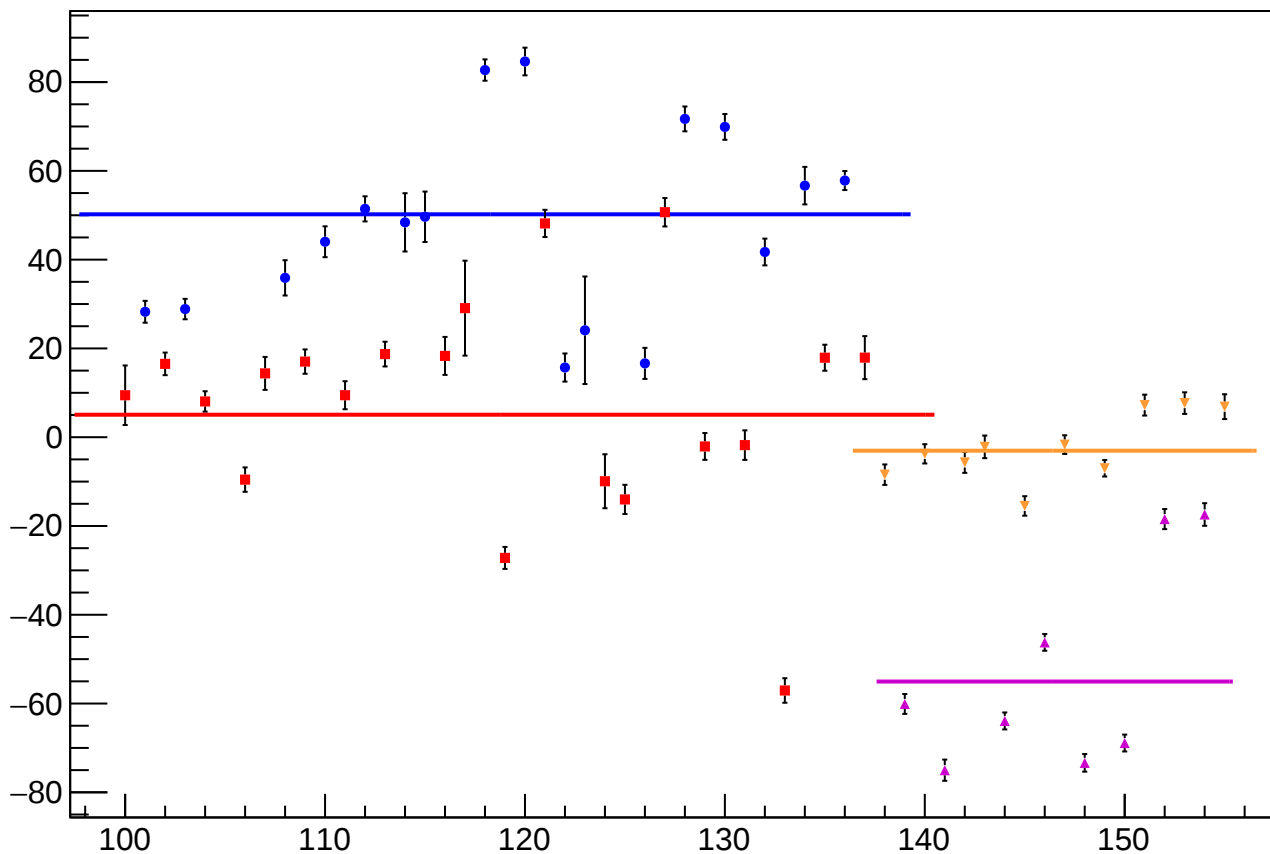
Left In: 2071.949+/-0.579 χ^2/NDF : 120759.2/7

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

2155.891+/-0.291 χ^2/NDF : 569032.2/54

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

diff_bpm0i01aX_mean vs Slug, Sign Corrected



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

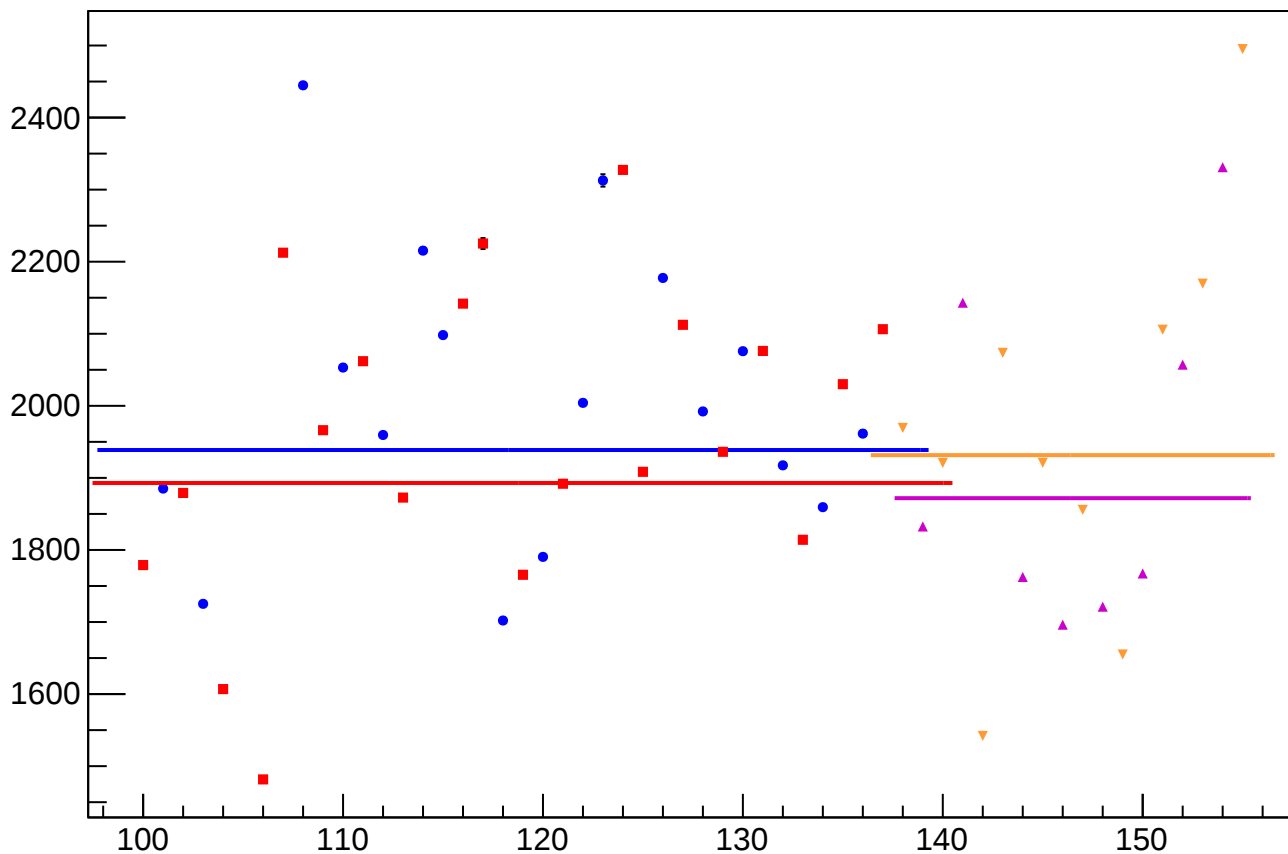
Left In: -55.043+/-0.743 χ^2/NDF : 736.7/7

22.411+/-0.519 χ^2/NDF : 3552.5/26

-0.870+/-0.365 χ^2/NDF : 12954.1/54

-23.701+/-0.514 χ^2/NDF : 5416.8/27

diff_bpm0i01aX_rms vs Slug, Sign Corrected



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

Left Out: 1931.567 $\pm$ 0.508 χ^2/NDF : 220131.2/9

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

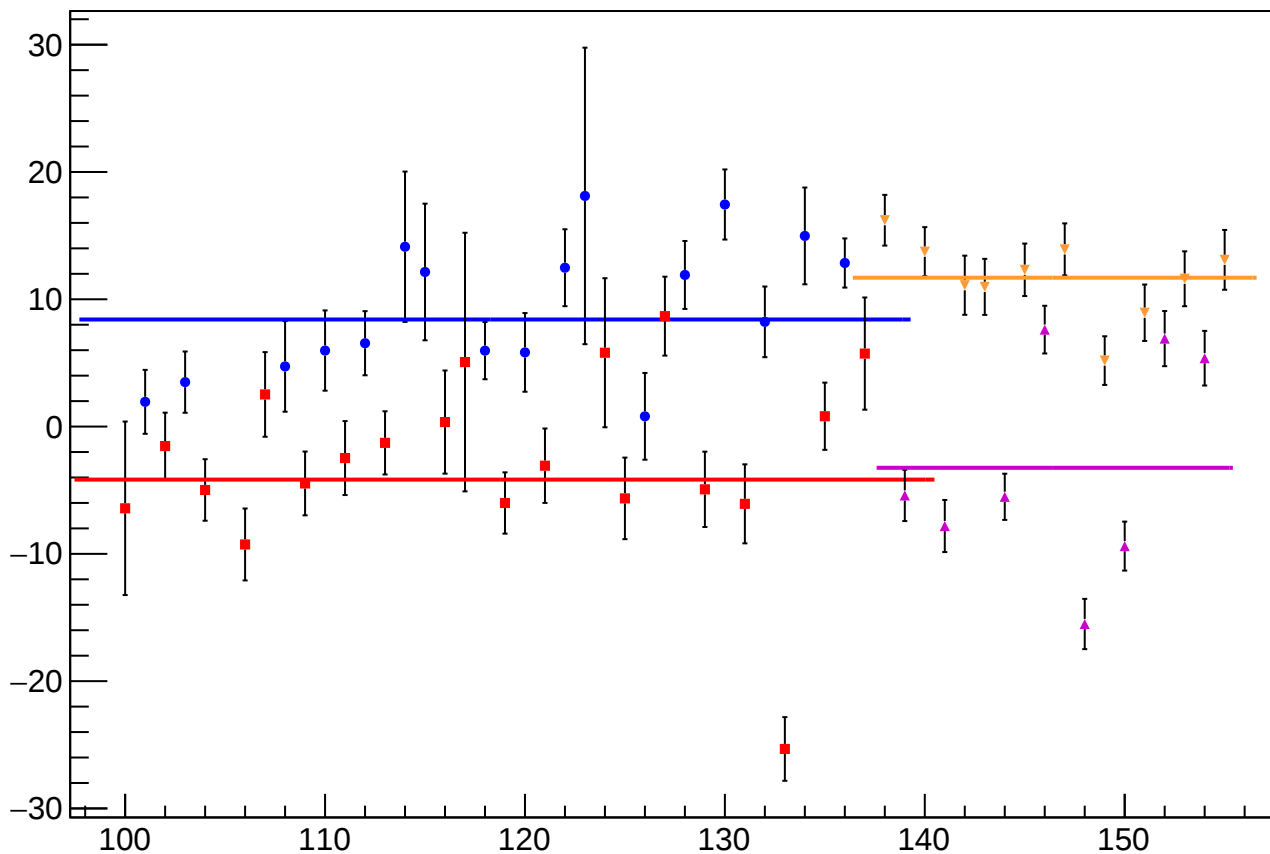
Left In: 1871.857 $\pm$ 0.525 χ^2/NDF : 146370.6/7

1934.971 $\pm$ 0.367 χ^2/NDF : 320368.3/26

1908.658 $\pm$ 0.258 χ^2/NDF : 626323.0/54

1882.853 $\pm$ 0.363 χ^2/NDF : 295774.0/27

diff_bpm0i01aY_mean vs Slug, Sign Corrected



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

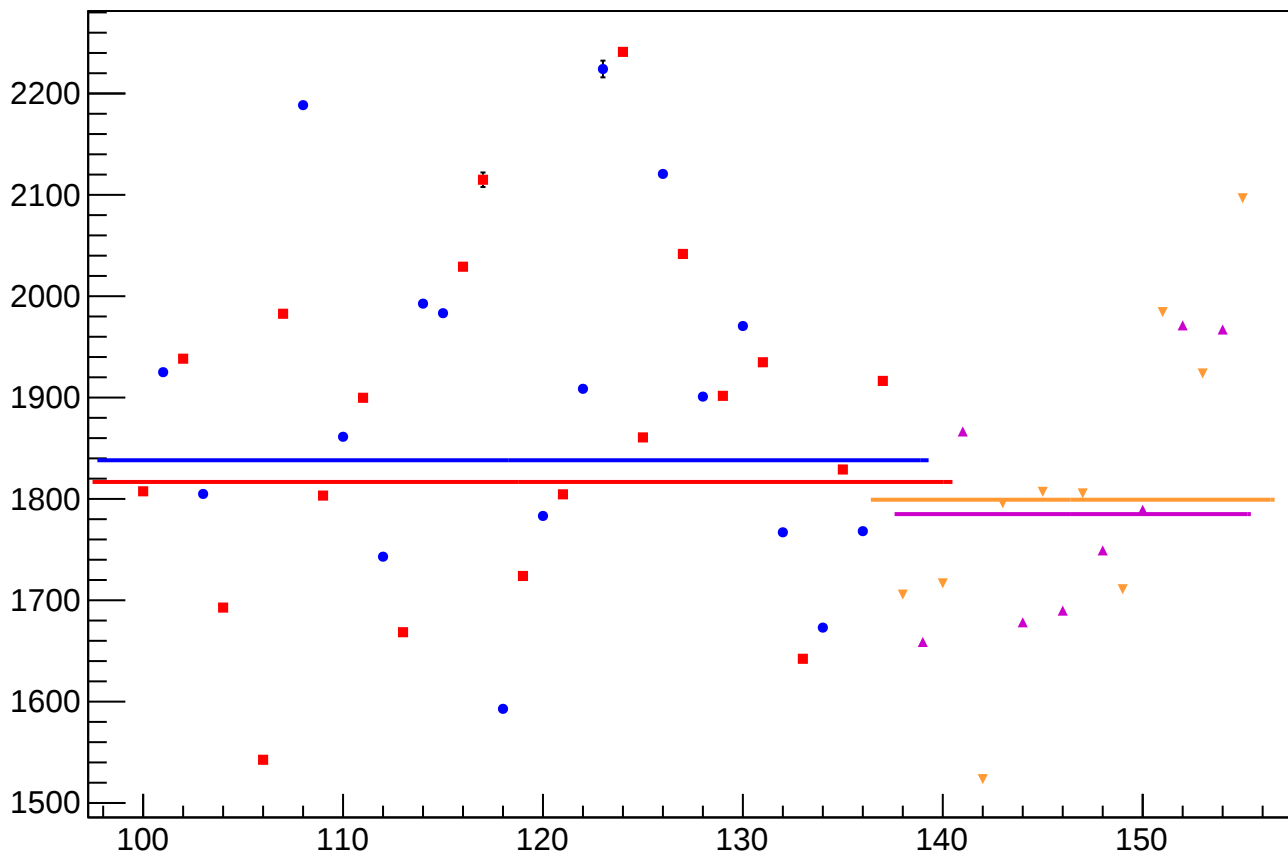
Left In: -3.238 $\pm$ 0.702 χ^2/NDF : 128.2/7

10.163 $\pm$ 0.486 χ^2/NDF : 77.2/26

3.265 $\pm$ 0.344 χ^2/NDF : 726.0/54

-3.717 $\pm$ 0.489 χ^2/NDF : 243.0/27

diff_bpm0i01aY_rms vs Slug, Sign Corrected



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

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

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

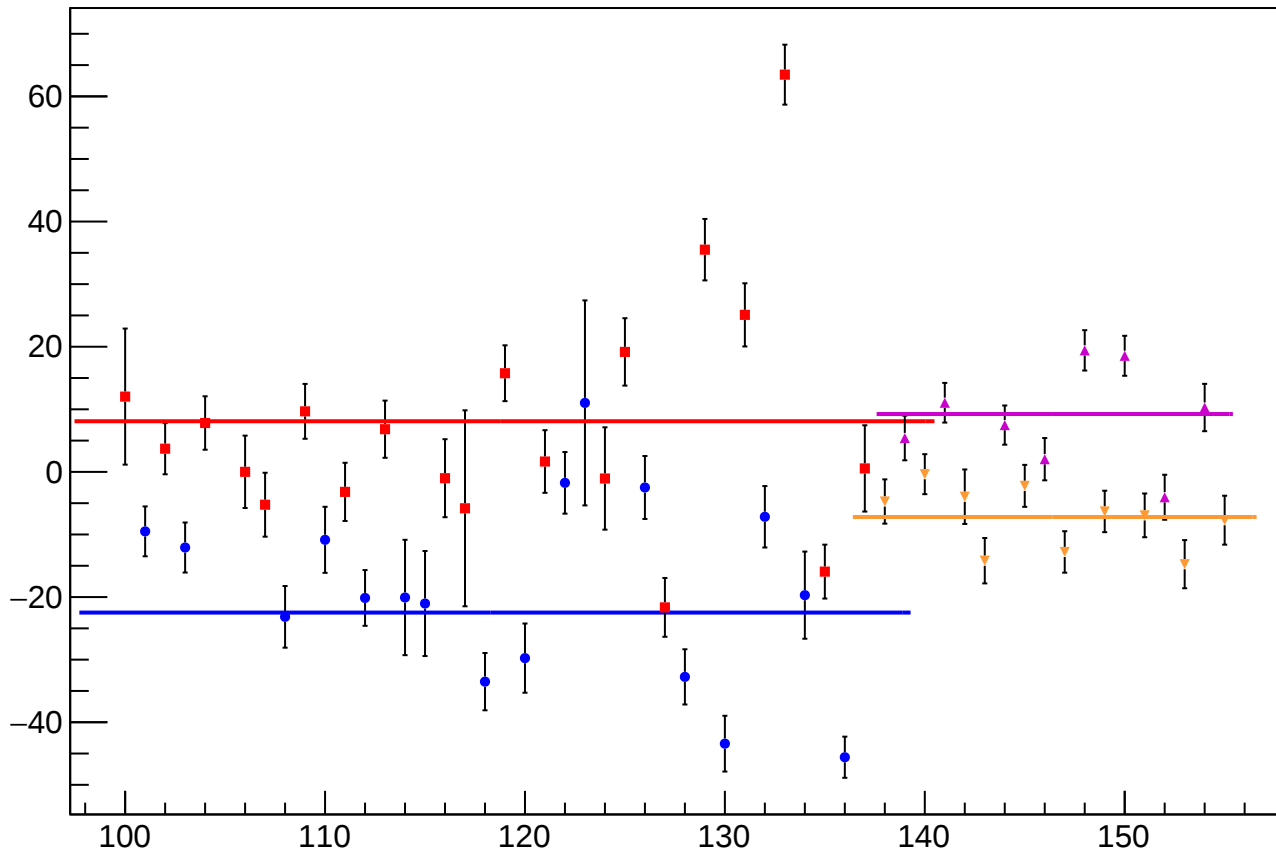
Left In: 1785.029 $\pm$ 0.496 χ^2 /NDF: 52956.8/7

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

1809.418 $\pm$ 0.244 χ^2 /NDF: 324631.4/54

1801.369 $\pm$ 0.346 χ^2 /NDF: 144211.2/27

diff_bpm0l01X_mean vs Slug, Sign Corrected



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

Left Out: -7.205 $\pm$ 1.123 χ^2 /NDF: 18.3/9

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

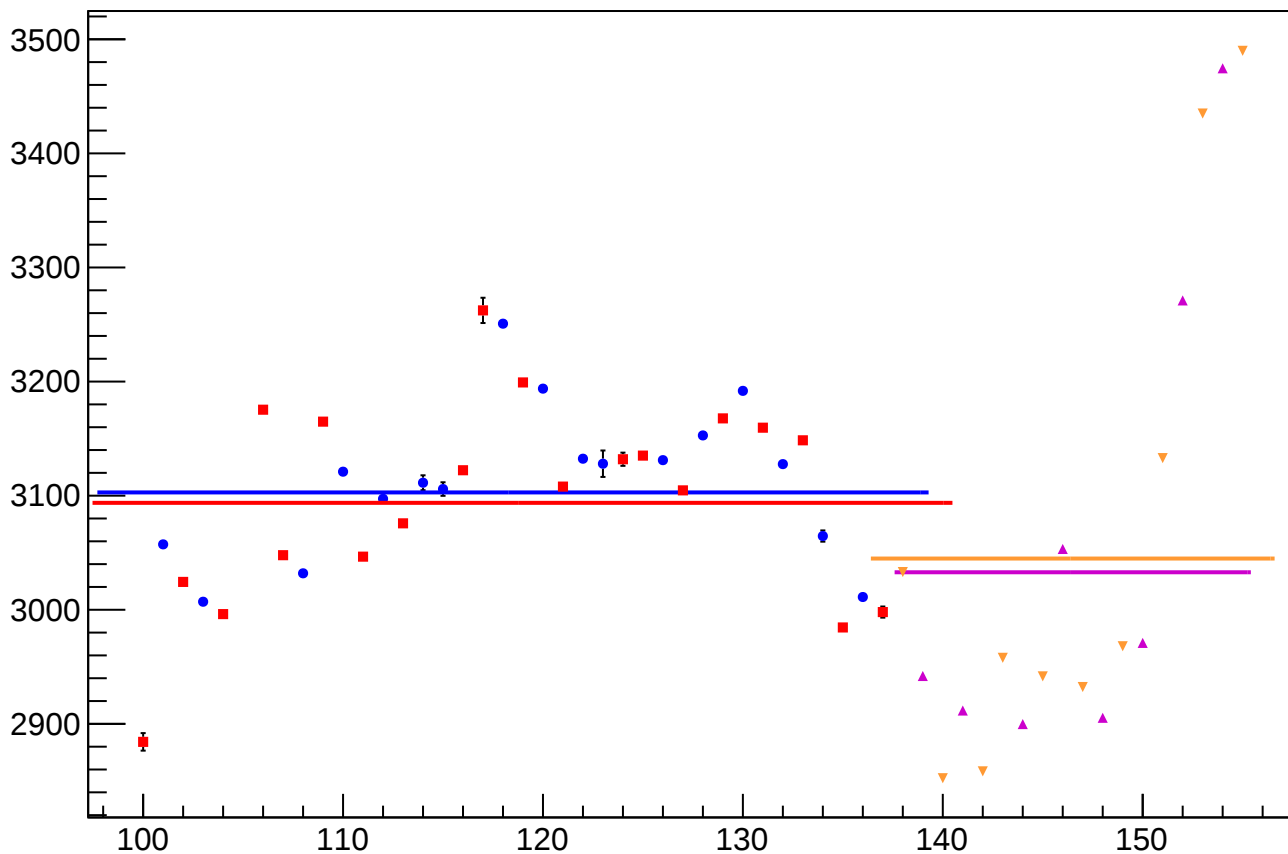
Left In: 9.246 $\pm$ 1.187 χ^2 /NDF: 38.6/7

-14.370 $\pm$ 0.818 χ^2 /NDF: 259.8/26

-2.984 $\pm$ 0.582 χ^2 /NDF: 968.0/54

8.653 $\pm$ 0.827 χ^2 /NDF: 316.7/27

diff_bpm0l01X_rms vs Slug, Sign Corrected



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

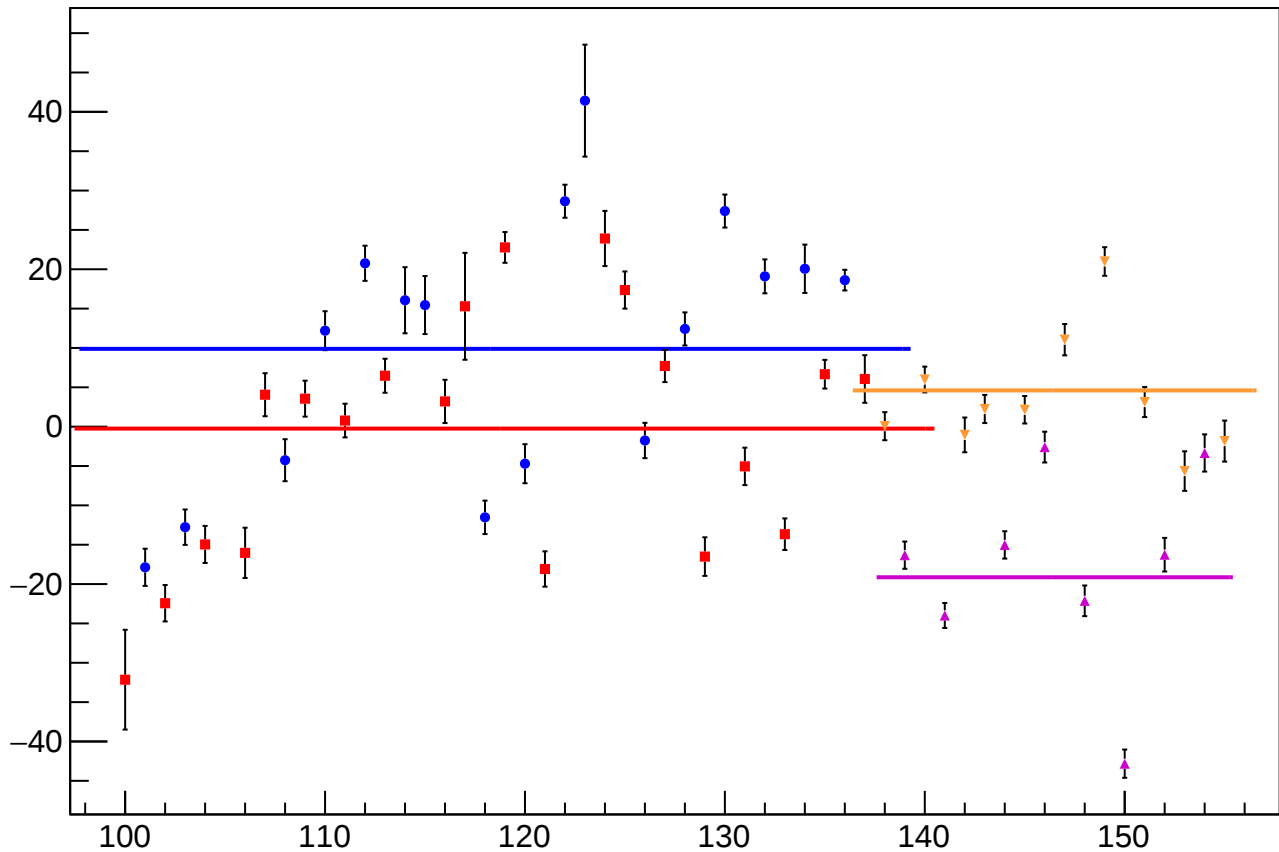
Left In: 3032.868 +/- 0.840 χ^2/NDF : 47869.8/7

3072.083 +/- 0.579 χ^2/NDF : 74990.8/26

3068.171 +/- 0.411 χ^2/NDF : 133652.5/54

3064.173 +/- 0.585 χ^2/NDF : 58569.2/7

diff_bpm0l01Y_mean vs Slug, Sign Corrected



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

Left Out: 4.605+/-0.612 χ^2/NDF : 132.6/9

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

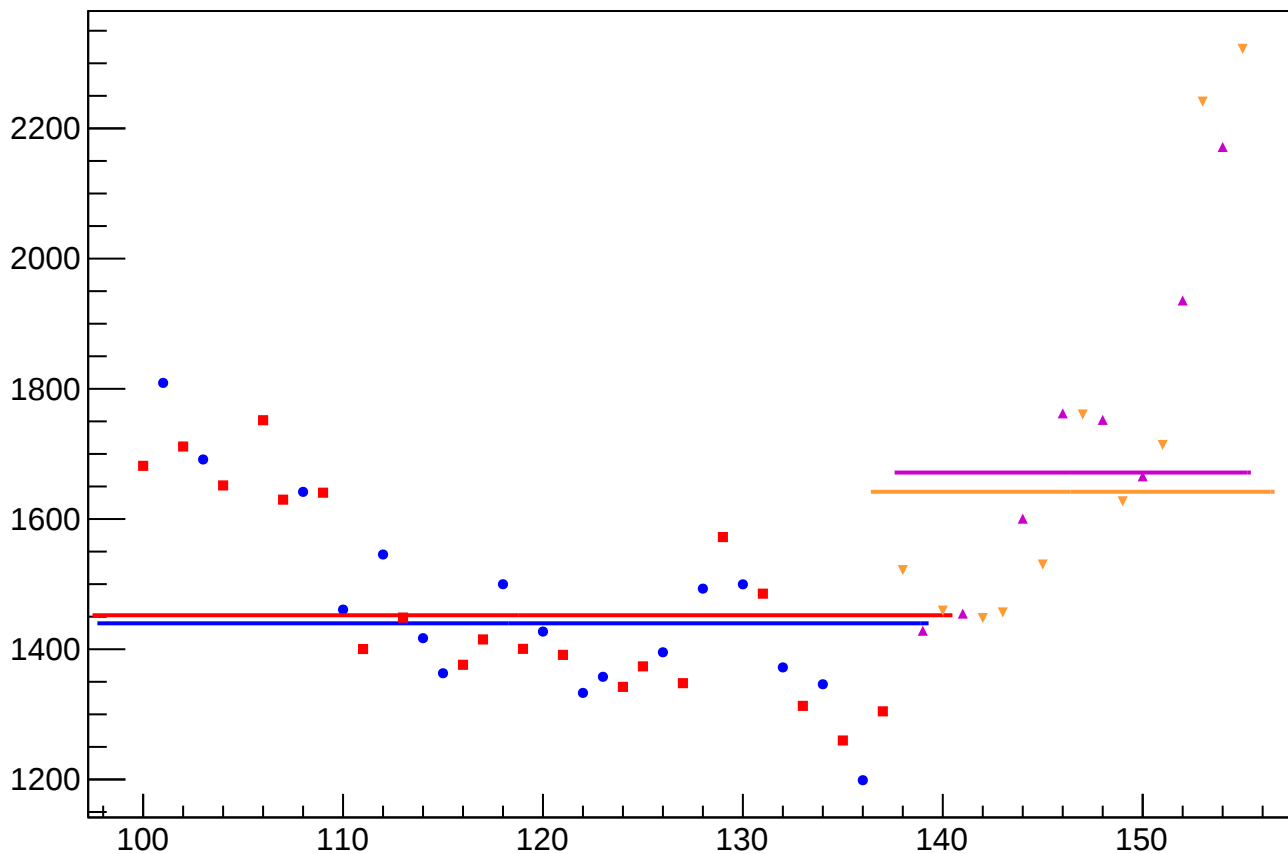
Left In: -19.135+/-0.660 χ^2/NDF : 311.9/7

7.484+/-0.413 χ^2/NDF : 876.8/26

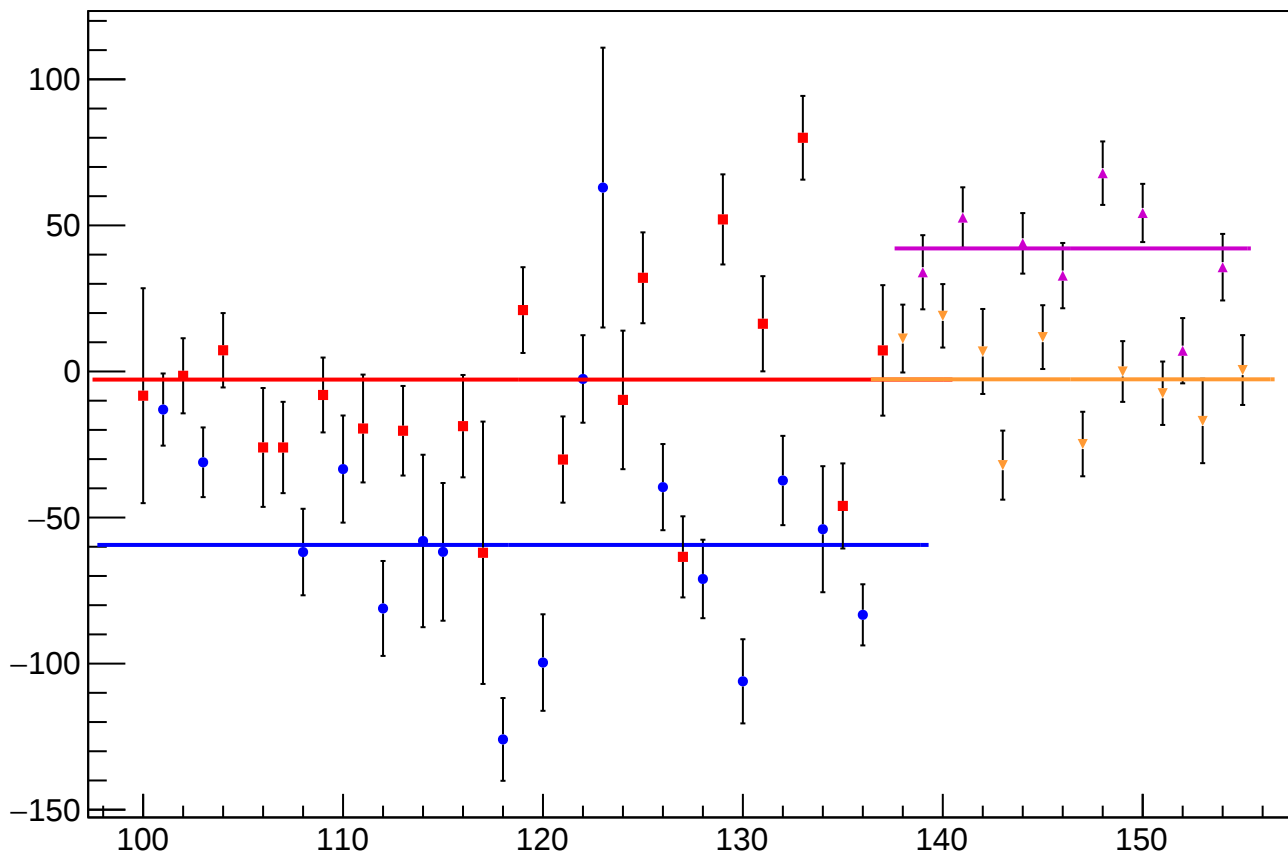
-0.076+/-0.295 χ^2/NDF : 2991.8/54

-7.905+/-0.420 χ^2/NDF : 1433.0/27

diff_bpm0l01Y_rms vs Slug, Sign Corrected



diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -59.374 +/- 3.729 χ^2/NDF : 92.9/16

Left Out: -2.686 +/- 3.679 χ^2/NDF : 19.1/9

Right Out: -2.776 +/- 3.618 χ^2/NDF : 95.7/19

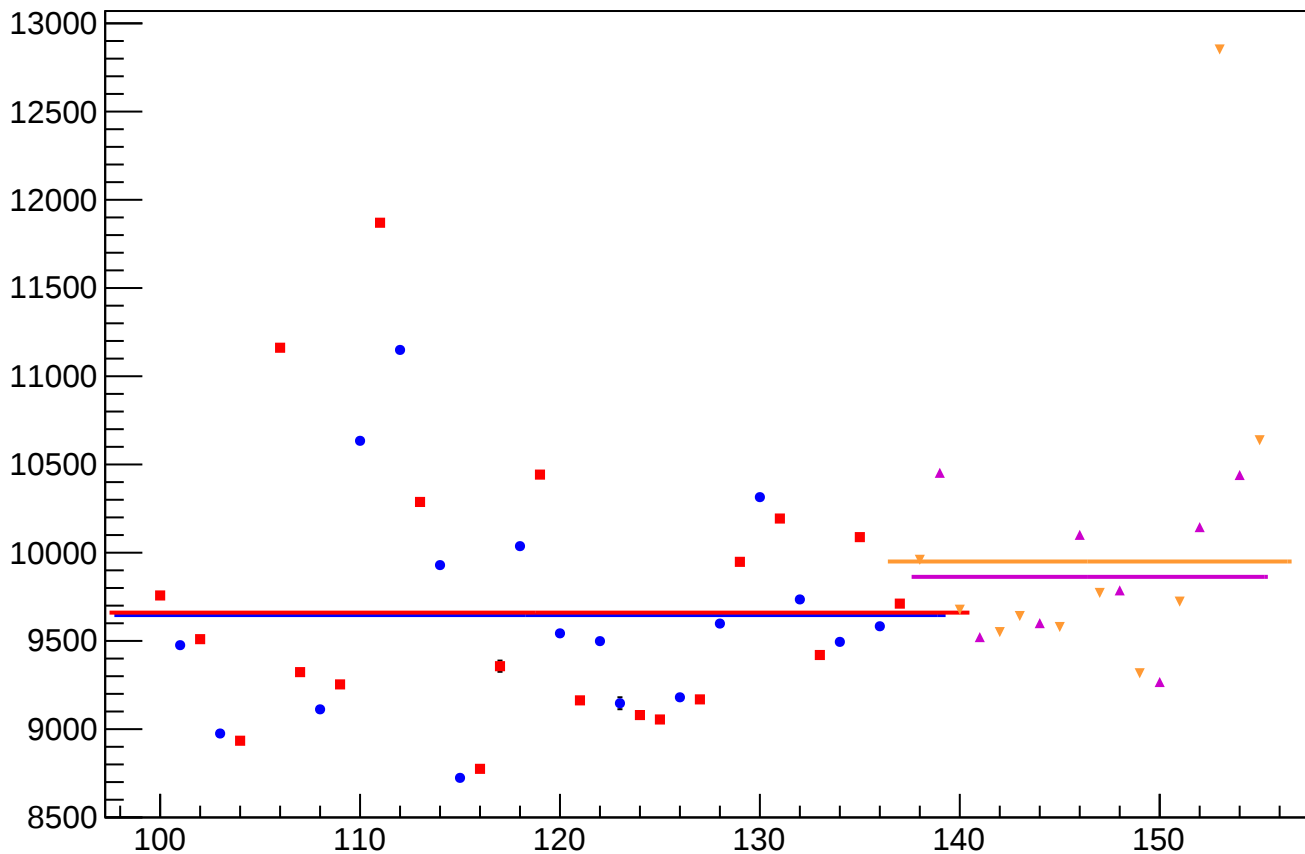
Left In: 42.116 +/- 3.860 χ^2/NDF : 19.4/7

-30.646 +/- 2.619 χ^2/NDF : 229.2/26

-6.410 +/- 1.859 χ^2/NDF : 589.0/54

18.216 +/- 2.640 χ^2/NDF : 187.1/27

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9646.480 $\pm$ 2.637 χ^2 /NDF: 44060.3/16

Left Out: 9950.092 $\pm$ 2.601 χ^2 /NDF: 102569.8/9

Right Out: 9660.380 $\pm$ 2.558 χ^2 /NDF: 77676.0/19

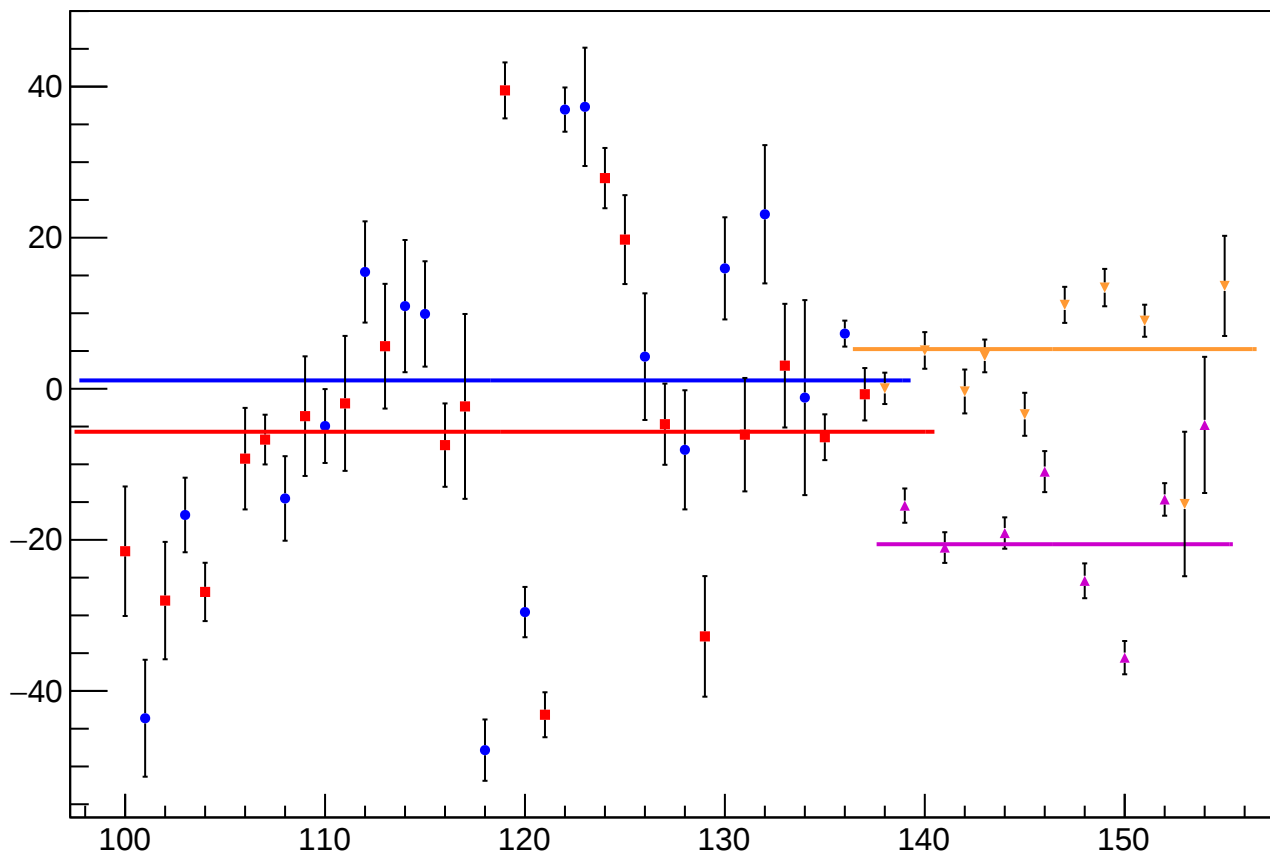
Left In: 9863.114 $\pm$ 2.730 χ^2 /NDF: 22342.7/7

9800.345 $\pm$ 1.852 χ^2 /NDF: 153349.7/26

9777.943 $\pm$ 1.315 χ^2 /NDF: 256600.1/54

9755.180 $\pm$ 1.867 χ^2 /NDF: 102955.4/27

diff_bpm0l02Y_mean vs Slug, Sign Corrected



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

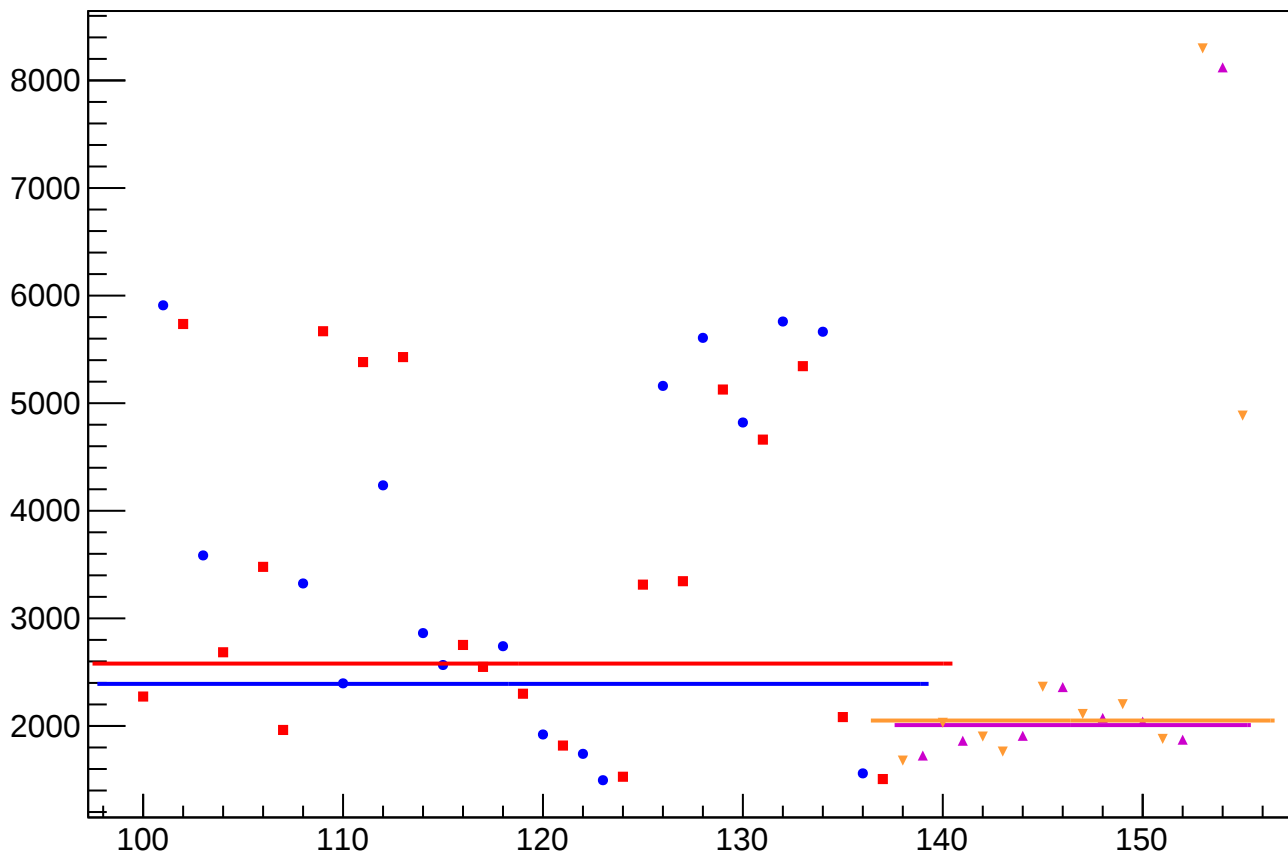
Left In: -20.579 $\pm$ 0.837 χ^2/NDF : 79.7/7

3.689 $\pm$ 0.655 χ^2/NDF : 544.6/26

-5.553 $\pm$ 0.466 χ^2/NDF : 1601.4/54

-15.032 $\pm$ 0.663 χ^2/NDF : 653.5/27

diff_bpm0l02Y_rms vs Slug, Sign Corrected



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

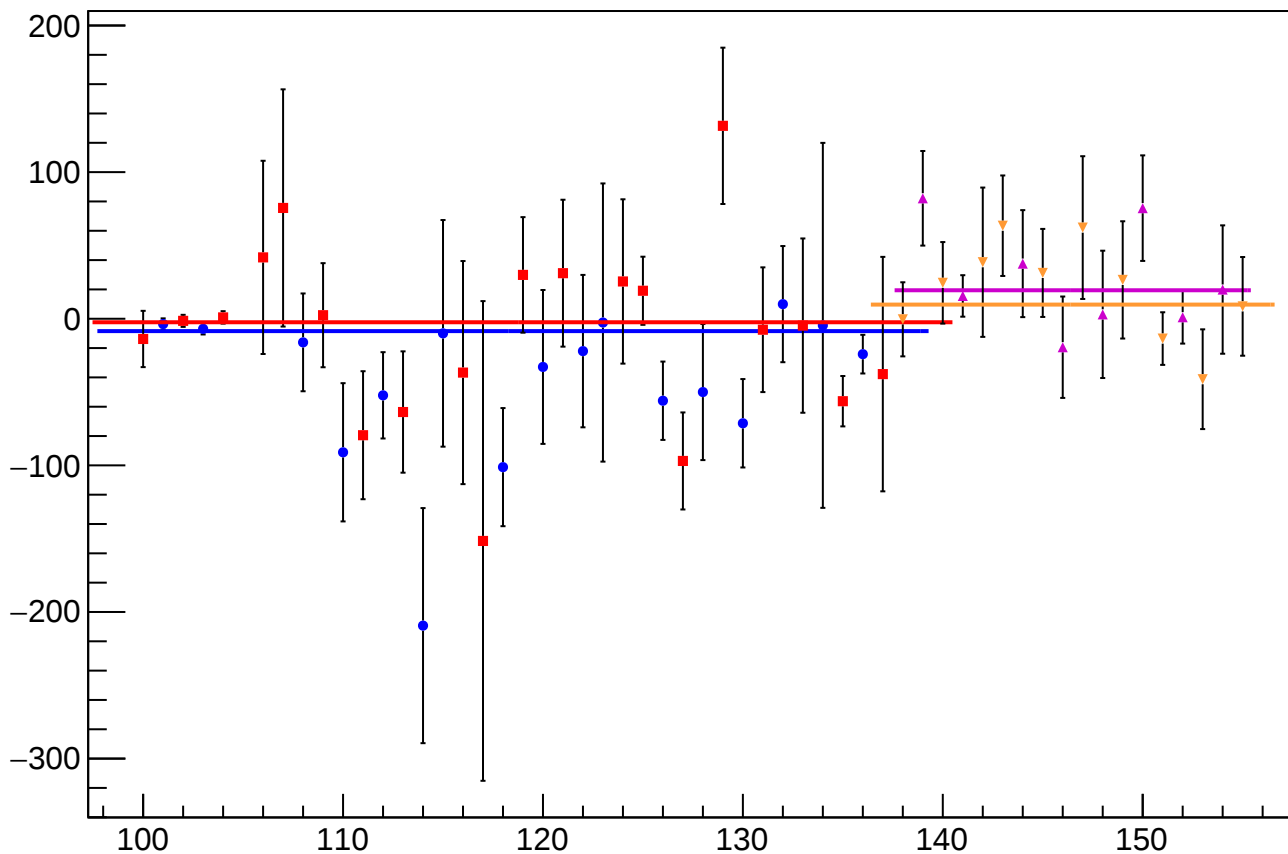
Left In: 2008.086 +/- 0.592 χ^2/NDF : 1009843.7/7

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

2199.747 +/- 0.330 χ^2/NDF : 7824398.4/54

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

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.430 $\pm$ 2.587 χ^2 /NDF: 28.9/16

Left Out: 9.656 $\pm$ 9.488 χ^2 /NDF: 9.0/9

Right Out: -2.392 $\pm$ 2.786 χ^2 /NDF: 35.5/19

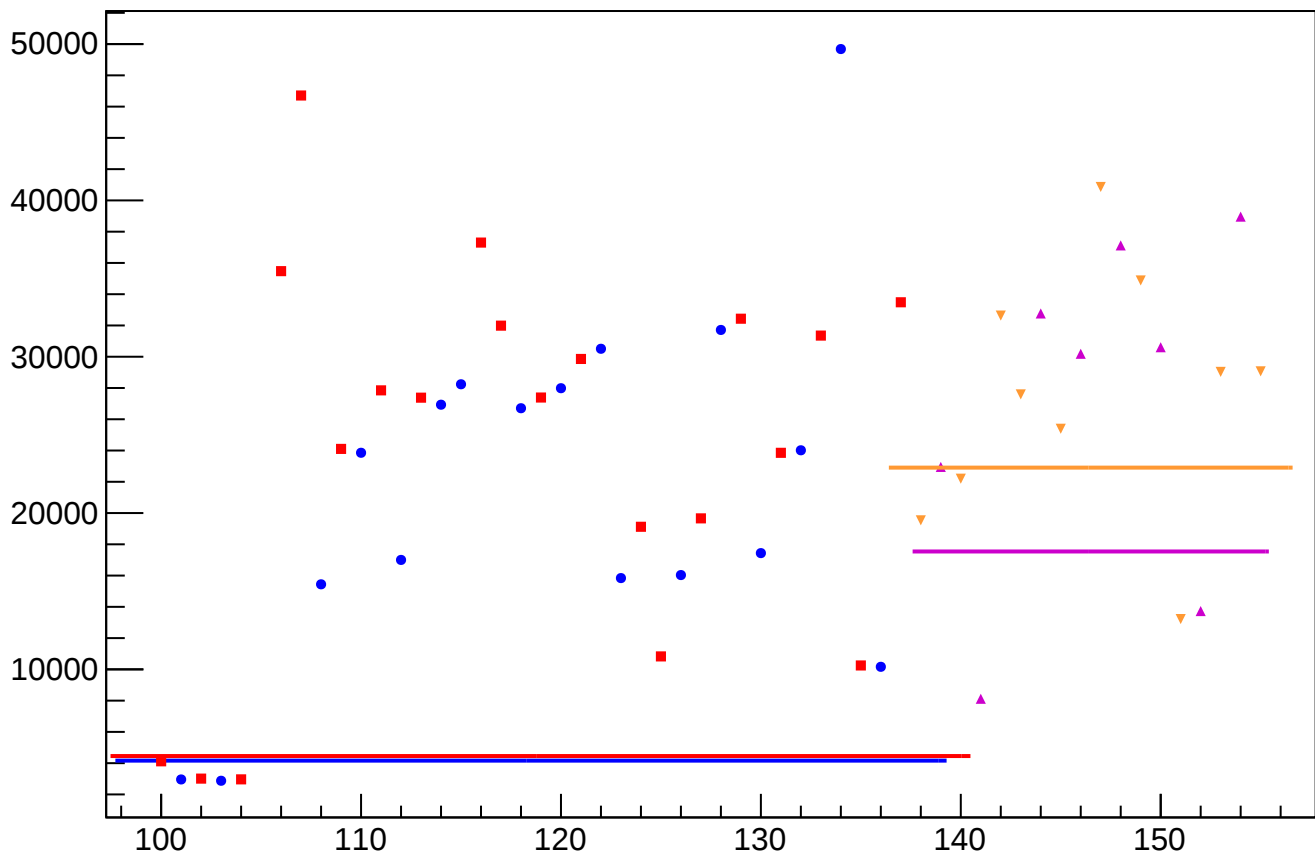
Left In: 19.426 $\pm$ 8.959 χ^2 /NDF: 9.0/7

-7.178 $\pm$ 2.496 χ^2 /NDF: 41.3/26

-4.036 $\pm$ 1.820 χ^2 /NDF: 94.5/54

-0.467 $\pm$ 2.661 χ^2 /NDF: 49.9/27

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 4162.318 $\pm$ 1.830 χ^2/NDF : 5990070.5/16

Left Out: 22906.034 $\pm$ 6.709 χ^2/NDF : 1327214.3/9

Right Out: 4455.114 $\pm$ 1.970 χ^2/NDF : 7483602.5/19

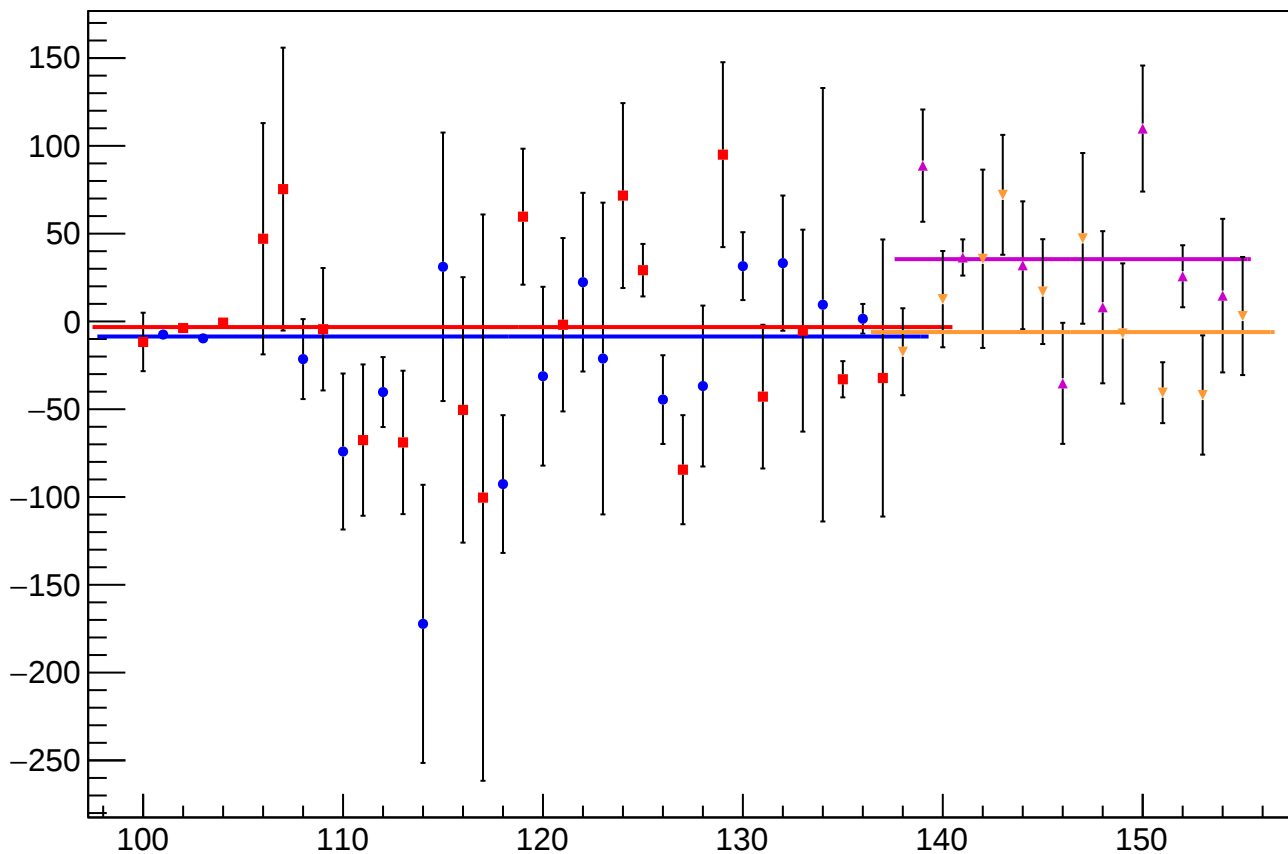
Left In: 17541.731 $\pm$ 6.335 χ^2/NDF : 2798046.6/7

5459.672 $\pm$ 1.765 χ^2/NDF : 14581842.4/26

5529.792 $\pm$ 1.287 χ^2/NDF : 28758173.3/5

5609.453 $\pm$ 1.881 χ^2/NDF : 14172960.0/27

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.586 $\pm$ 1.778 χ^2/NDF : 24.4/16

Left Out: -6.054 $\pm$ 9.343 χ^2/NDF : 13.5/9

Right Out: -3.208 $\pm$ 1.922 χ^2/NDF : 37.2/19

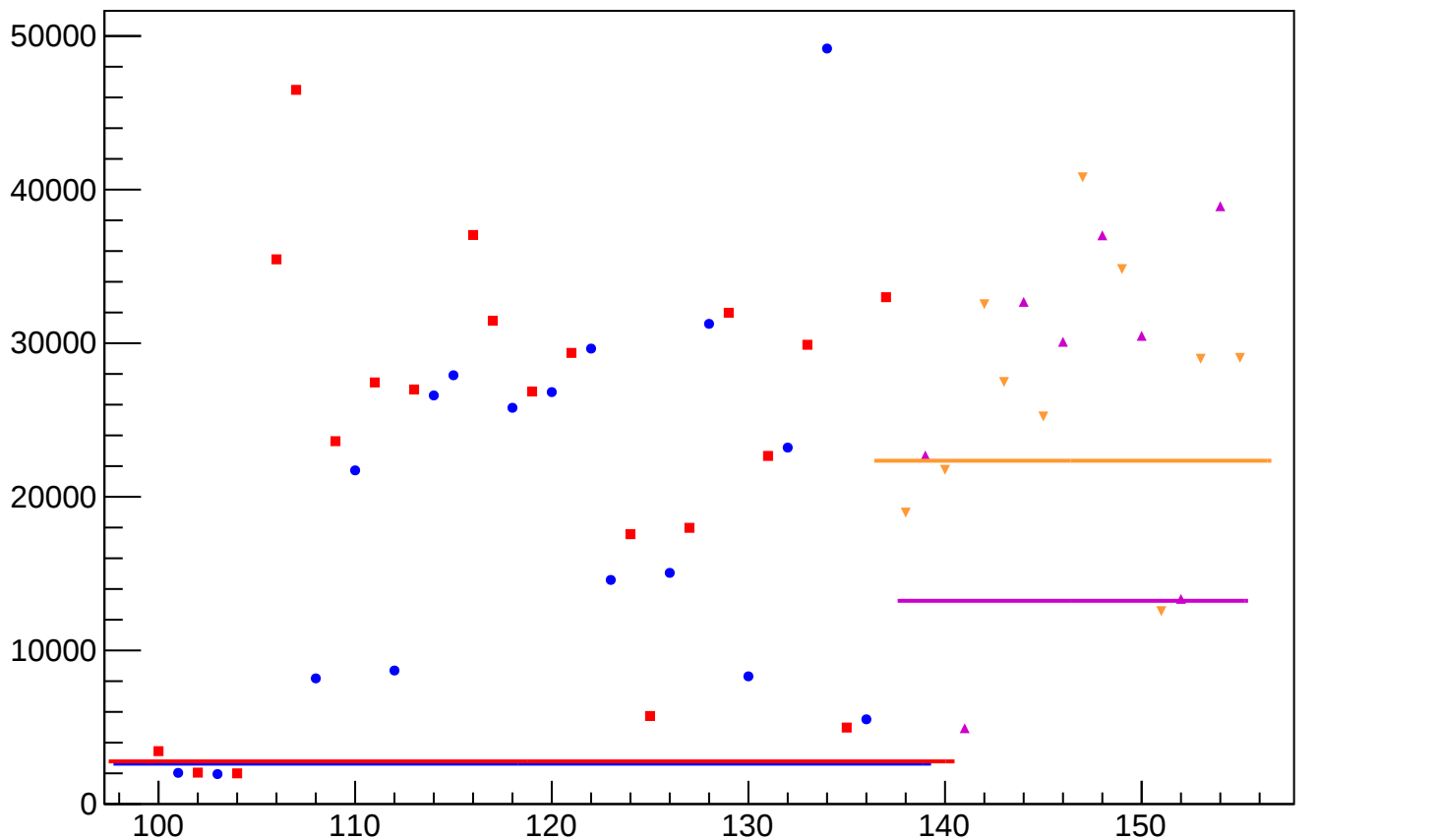
Left In: 35.472 $\pm$ 7.666 χ^2/NDF : 12.2/7

-8.498 $\pm$ 1.746 χ^2/NDF : 38.0/26

-4.956 $\pm$ 1.275 χ^2/NDF : 120.2/54

-0.920 $\pm$ 1.864 χ^2/NDF : 73.4/27

diff_bpm0l03Y_rms vs Slug, Sign Corrected



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

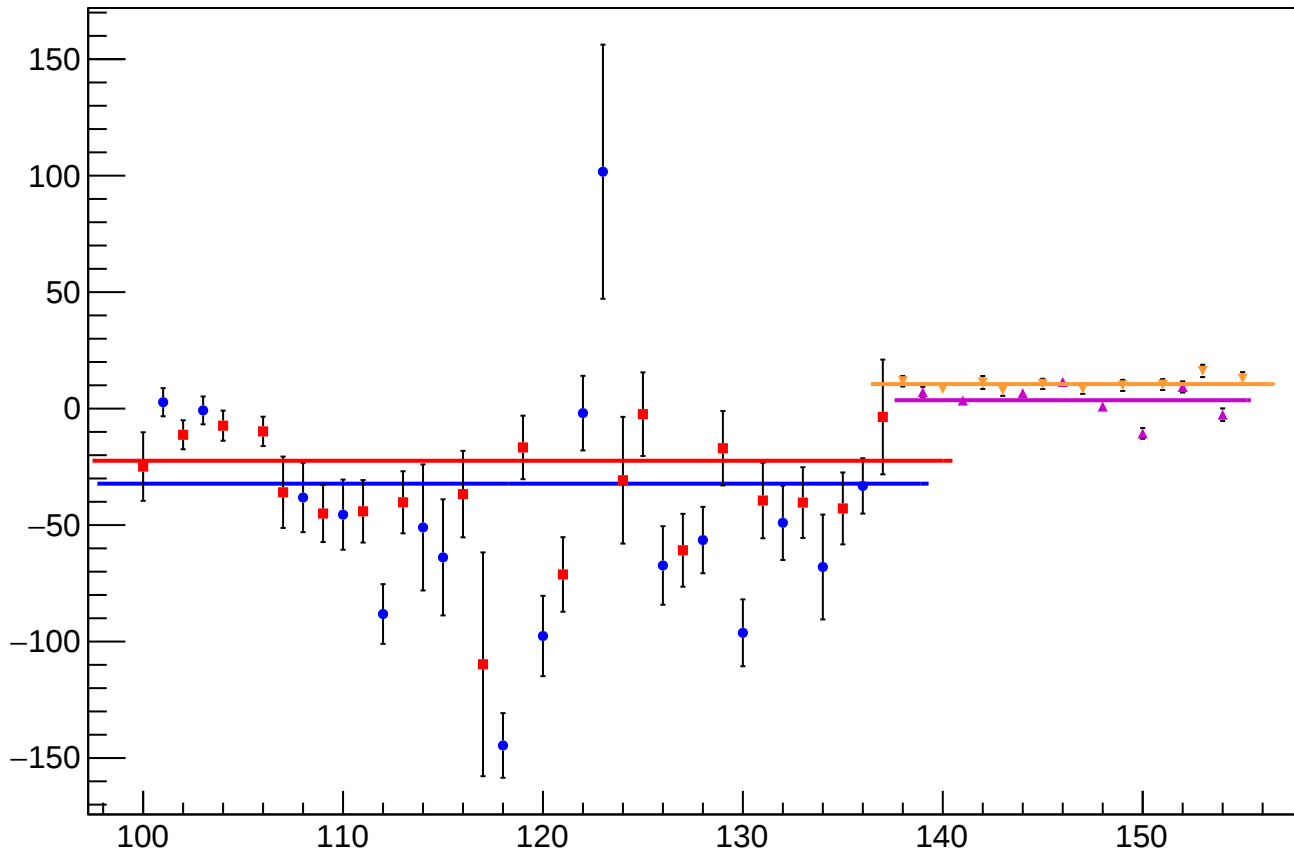
Left In: 13231.977 +/- 5.420 χ^2/NDF : 4274183.7/7

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

3355.237 +/- 0.901 χ^2/NDF : 31321861.7/5

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

diff_bpm0l04X_mean vs Slug, Sign Corrected



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

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

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

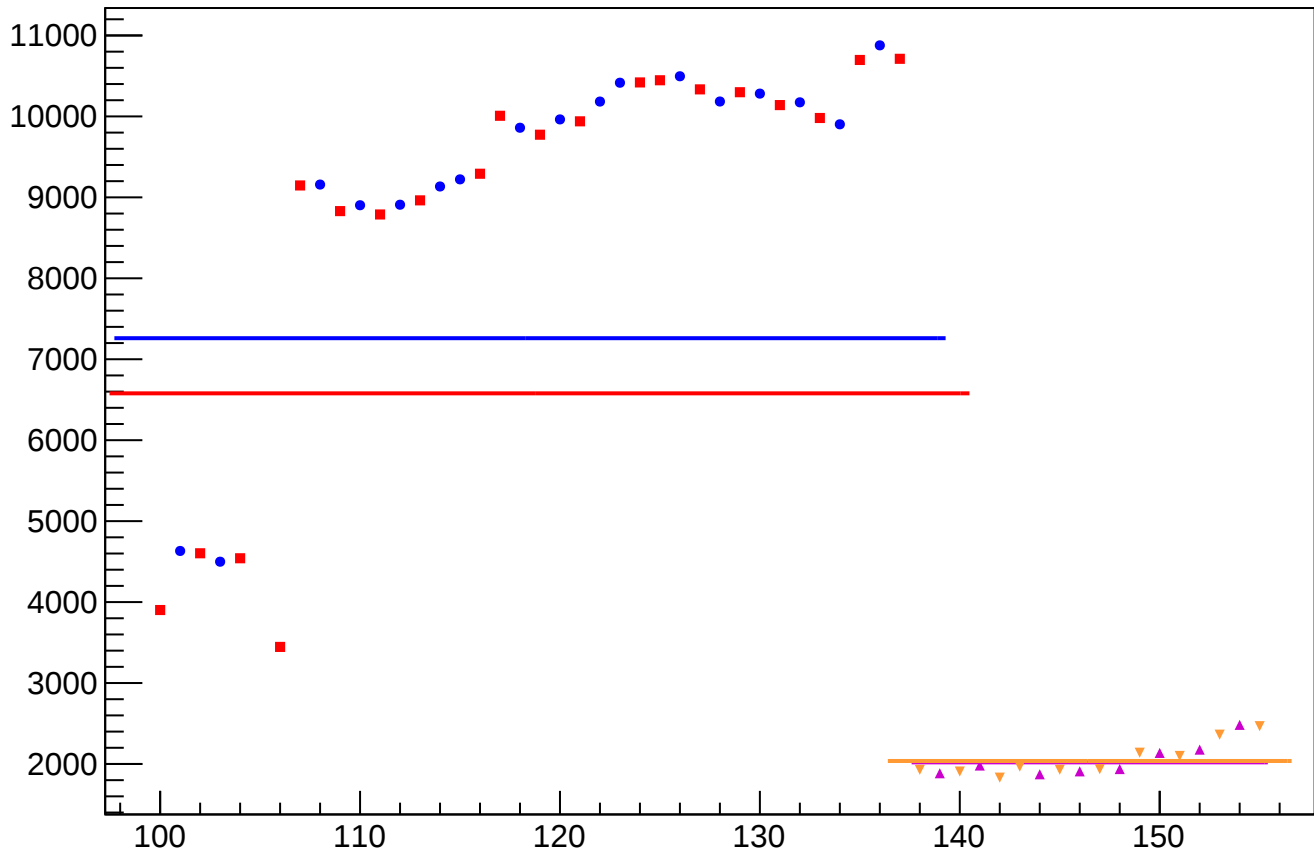
Left In: 3.596 ± 0.793 χ^2/NDF : 69.2/7

7.957 ± 0.730 χ^2/NDF : 405.6/26

4.850 ± 0.526 χ^2/NDF : 646.8/54

1.484 ± 0.760 χ^2/NDF : 203.5/27

diff_bpm0l04X_rms vs Slug, Sign Corrected



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

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

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

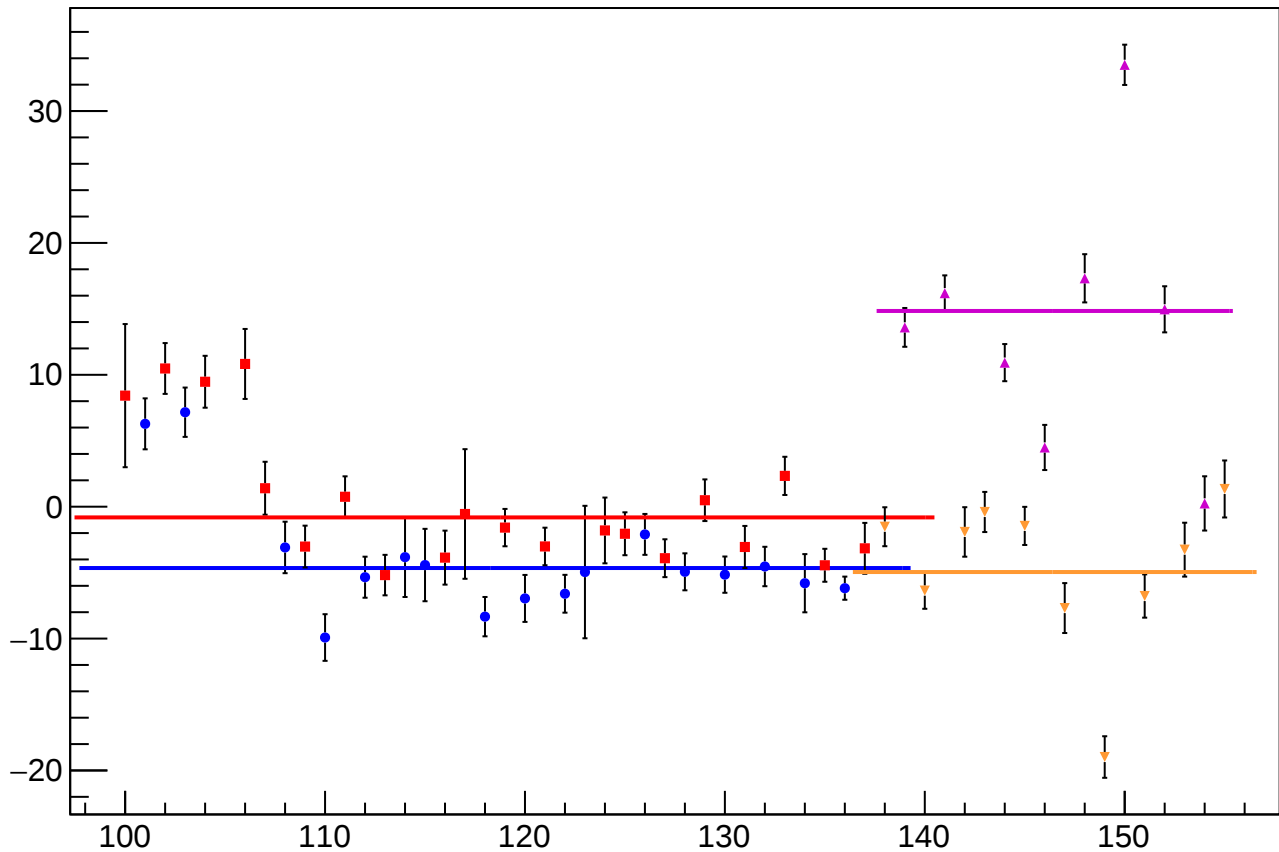
Left In: 2019.932+/-0.561 χ^2/NDF : 99177.2/7

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

2369.527+/-0.372 χ^2/NDF : 15209061.9/5

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

diff_bpm0l04Y_mean vs Slug, Sign Corrected



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

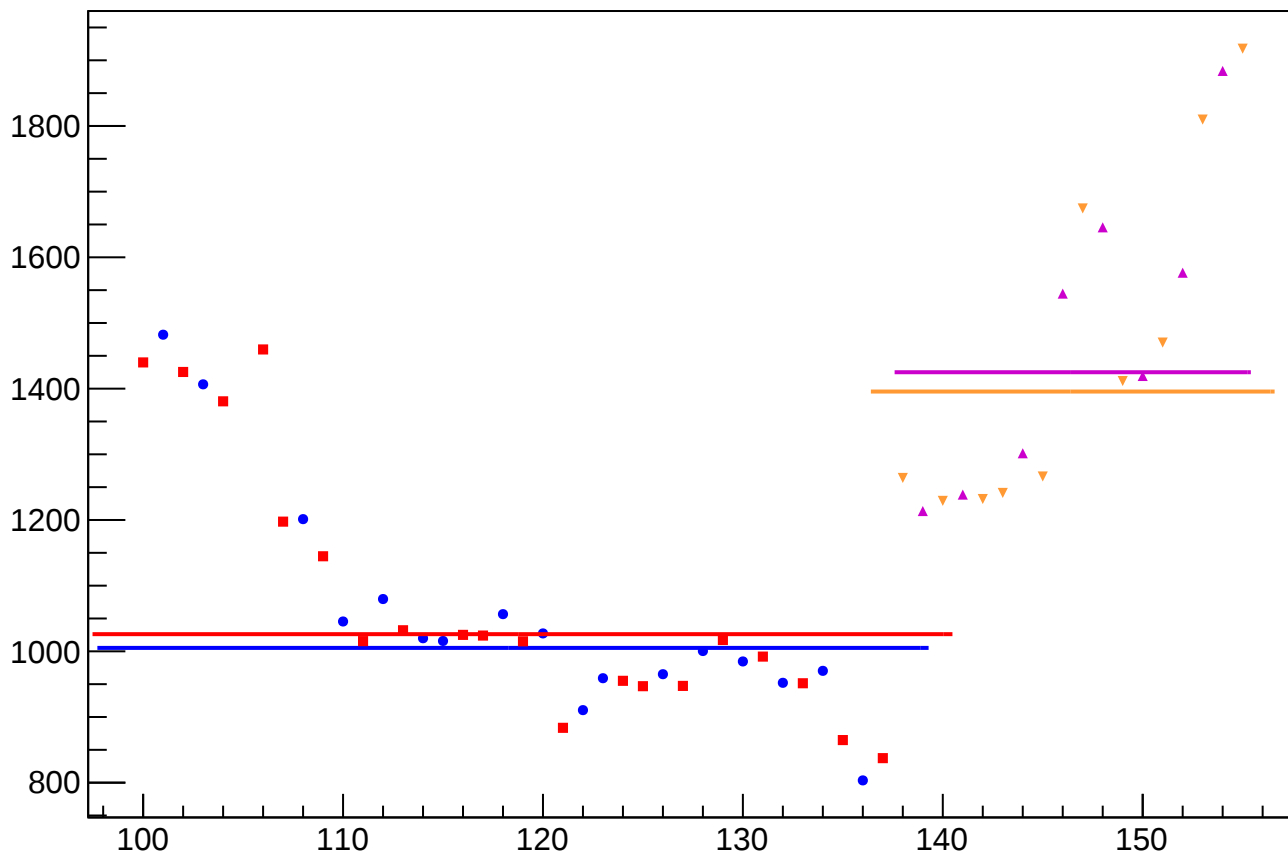
Left In: 14.841 ± 0.564 χ^2/NDF : 247.5/7

-4.761 ± 0.314 χ^2/NDF : 213.4/26

-0.356 ± 0.224 χ^2/NDF : 1510.7/54

4.209 ± 0.319 χ^2/NDF : 895.3/27

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1005.227 $\pm$ 0.278 χ^2 /NDF: 361954.2/16

Left Out: 1395.607 $\pm$ 0.368 χ^2 /NDF:343554.7/9

Right Out: 1026.145 $\pm$ 0.274 χ^2 /NDF: 333119.4/19

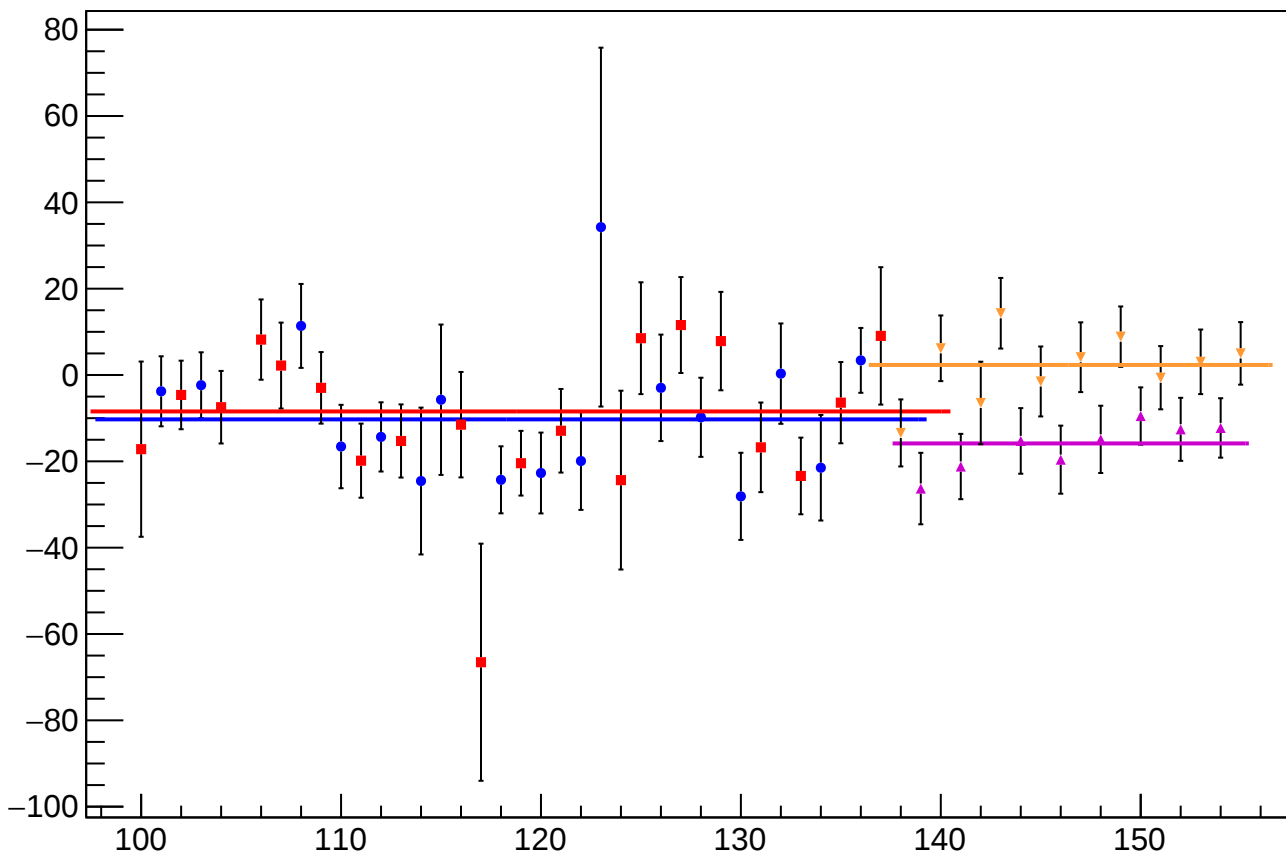
Left In: 1425.010 $\pm$ 0.398 χ^2 /NDF:248292.9/7

1146.685 $\pm$ 0.222 χ^2 /NDF: 1421957.9/26

1150.330 $\pm$ 0.158 χ^2 /NDF: 2684480.0/54

1154.109 $\pm$ 0.226 χ^2 /NDF: 1261971.4/27

diff_bpm0l05X_mean vs Slug, Sign Corrected



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

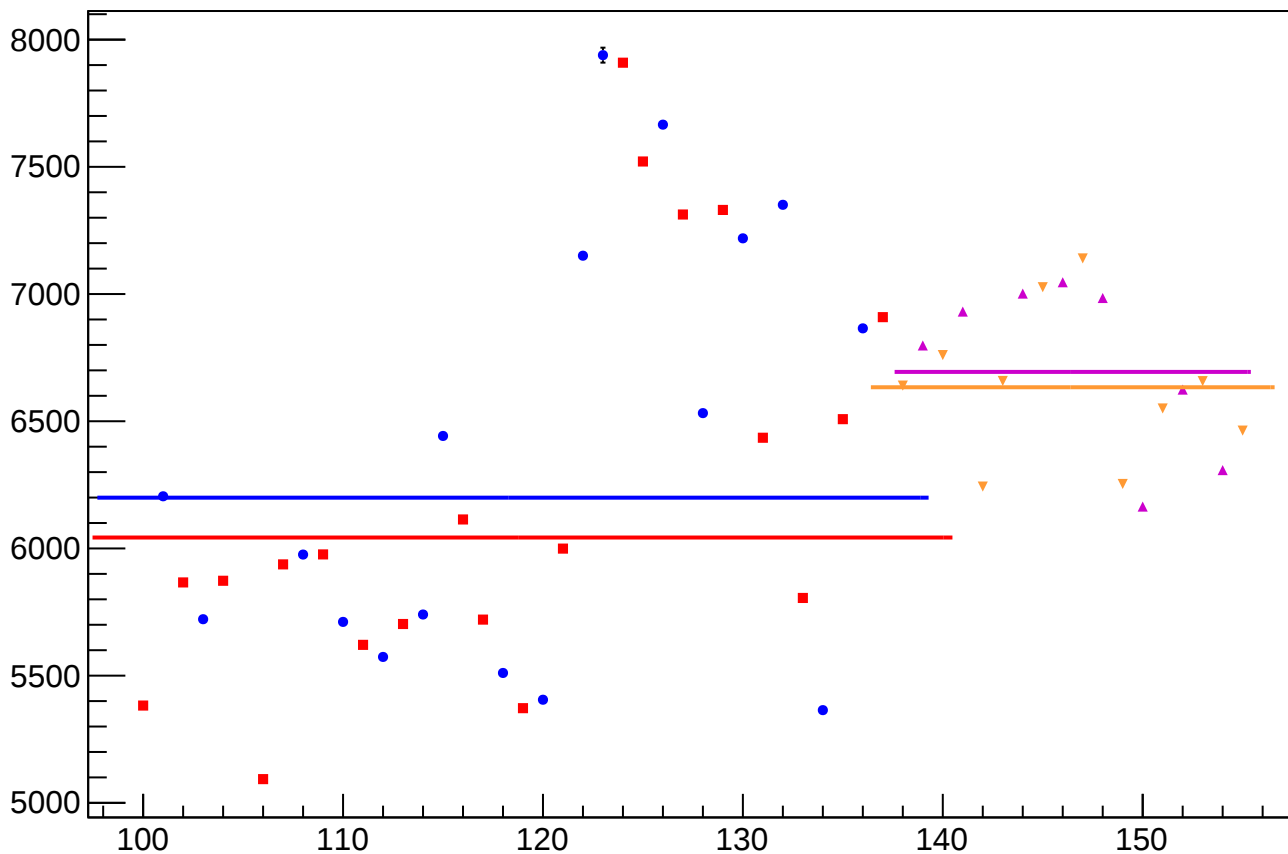
Left In: -15.853 ± 2.631 χ^2/NDF : 3.7/7

-4.089 ± 1.718 χ^2/NDF : 45.8/26

-7.845 ± 1.215 χ^2/NDF : 90.9/54

-11.605 ± 1.719 χ^2/NDF : 35.5/27

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 6199.617 ± 1.703 $\chi^2/\text{NDF}: 171760.4/16$

Left Out: 6633.596 ± 1.734 $\chi^2/\text{NDF}: 23776.1/9$

Right Out: 6042.952 ± 1.606 $\chi^2/\text{NDF}: 158600.9/19$

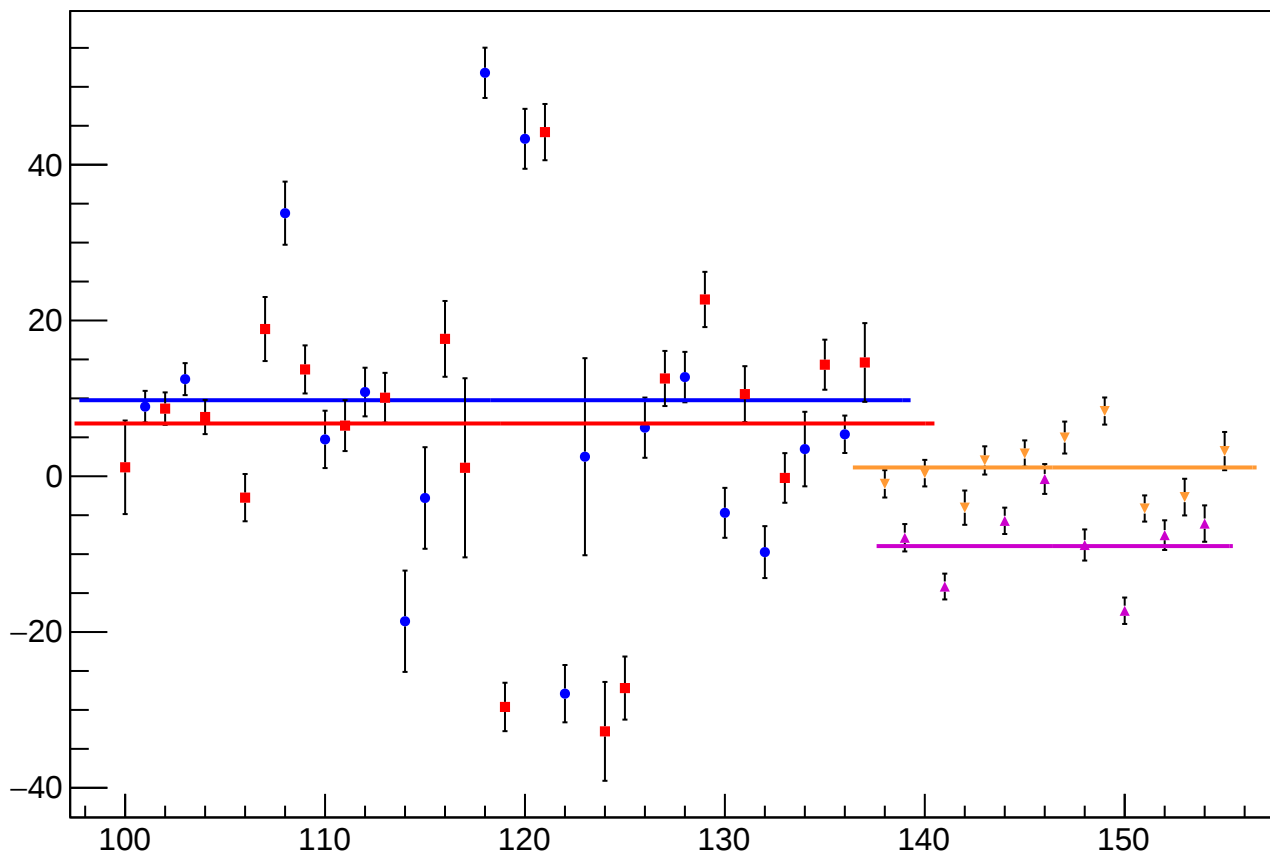
Left In: 6693.949 ± 1.860 $\chi^2/\text{NDF}: 31506.5/7$

6412.650 ± 1.215 $\chi^2/\text{NDF}: 227429.8/26$

6366.767 ± 0.859 $\chi^2/\text{NDF}: 490566.1/54$

6320.833 ± 1.216 $\chi^2/\text{NDF}: 260281.7/27$

diff_bpm0l05Y_mean vs Slug, Sign Corrected



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

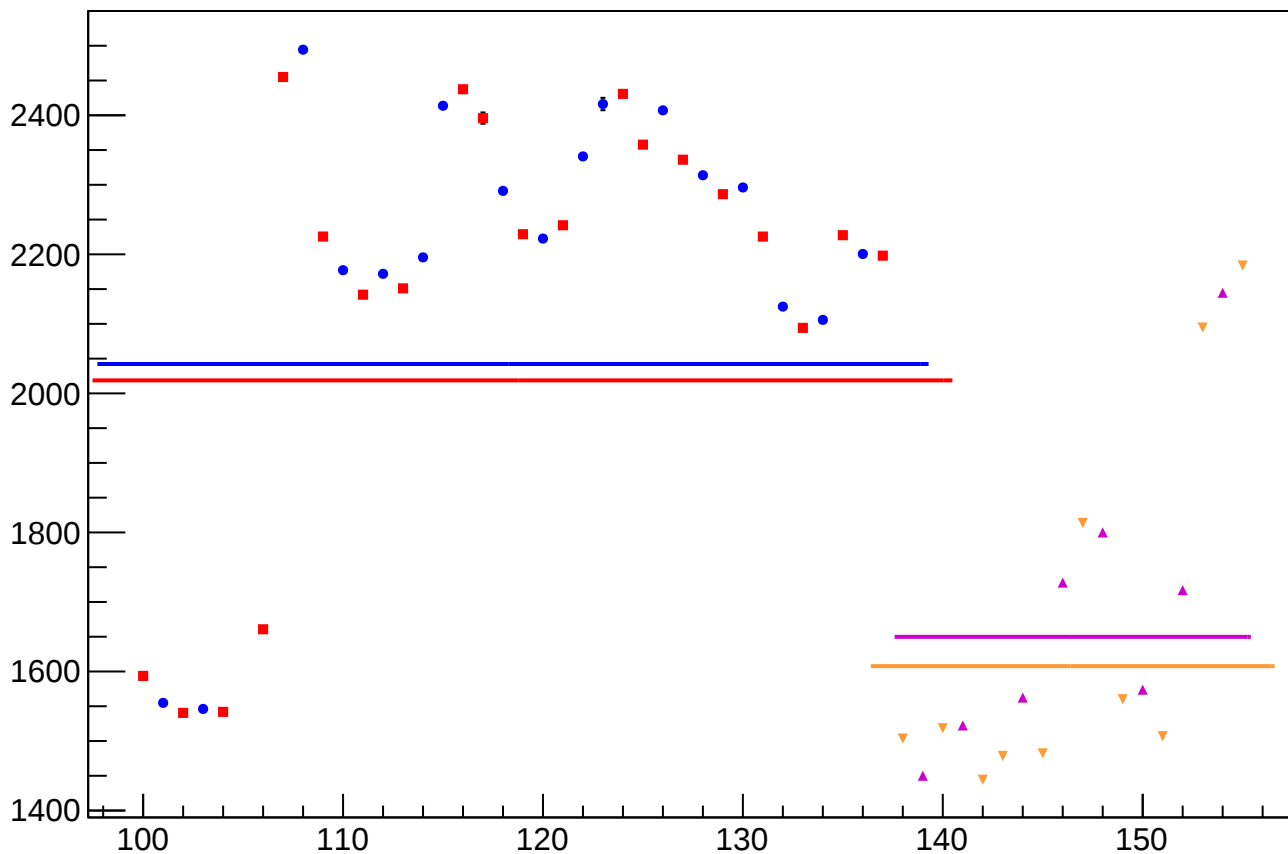
Left In: -8.964 ± 0.650 χ^2/NDF : 60.1/7

4.241 ± 0.478 χ^2/NDF : 591.3/26

1.061 ± 0.344 χ^2/NDF : 1411.5/54

-2.343 ± 0.495 χ^2/NDF : 728.7/27

diff_bpm0l05Y_rms vs Slug, Sign Corrected



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

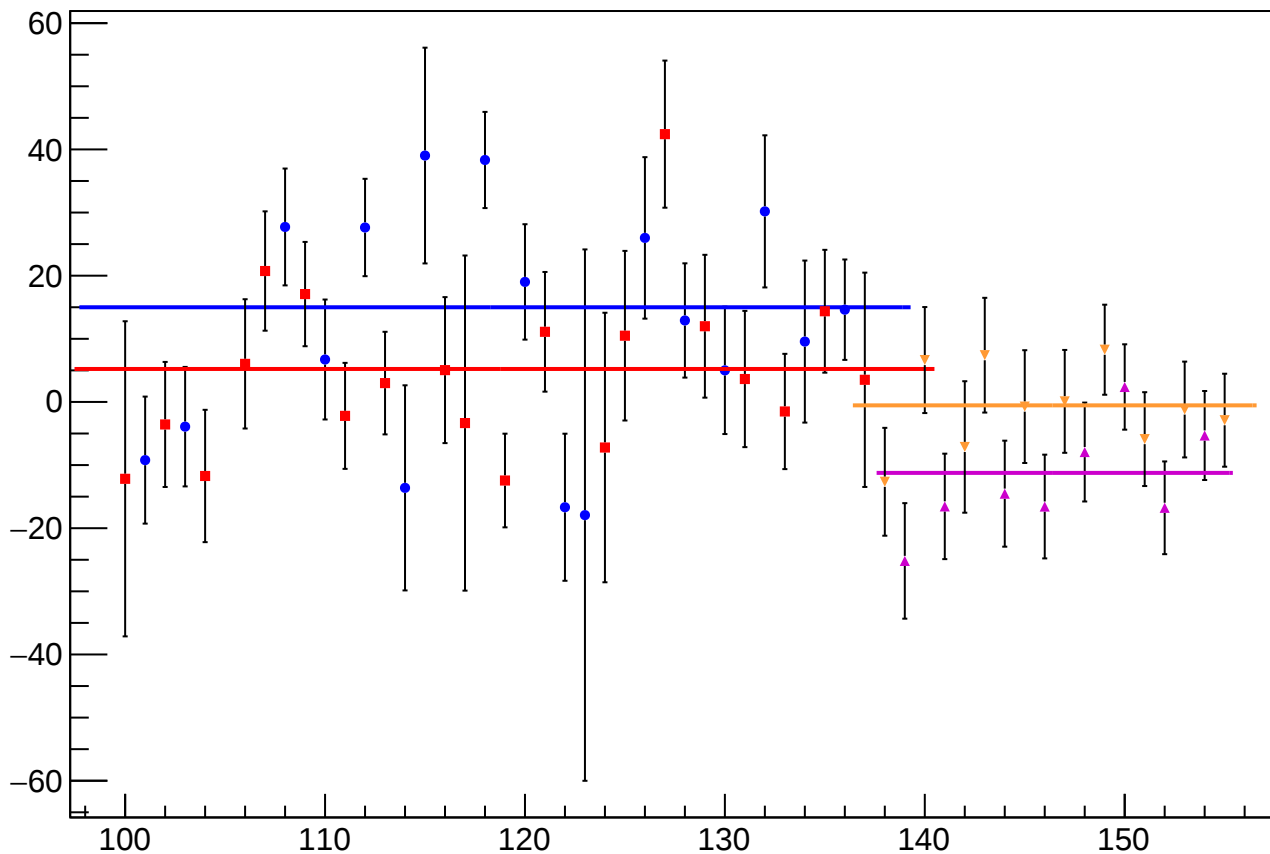
Left In: 1649.835 $\pm$ 0.460 χ^2/NDF : 153762.1/7

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

1783.935 $\pm$ 0.243 χ^2/NDF : 1816109.0/54

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

diff_bpm0l06X_mean vs Slug, Sign Corrected



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

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

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

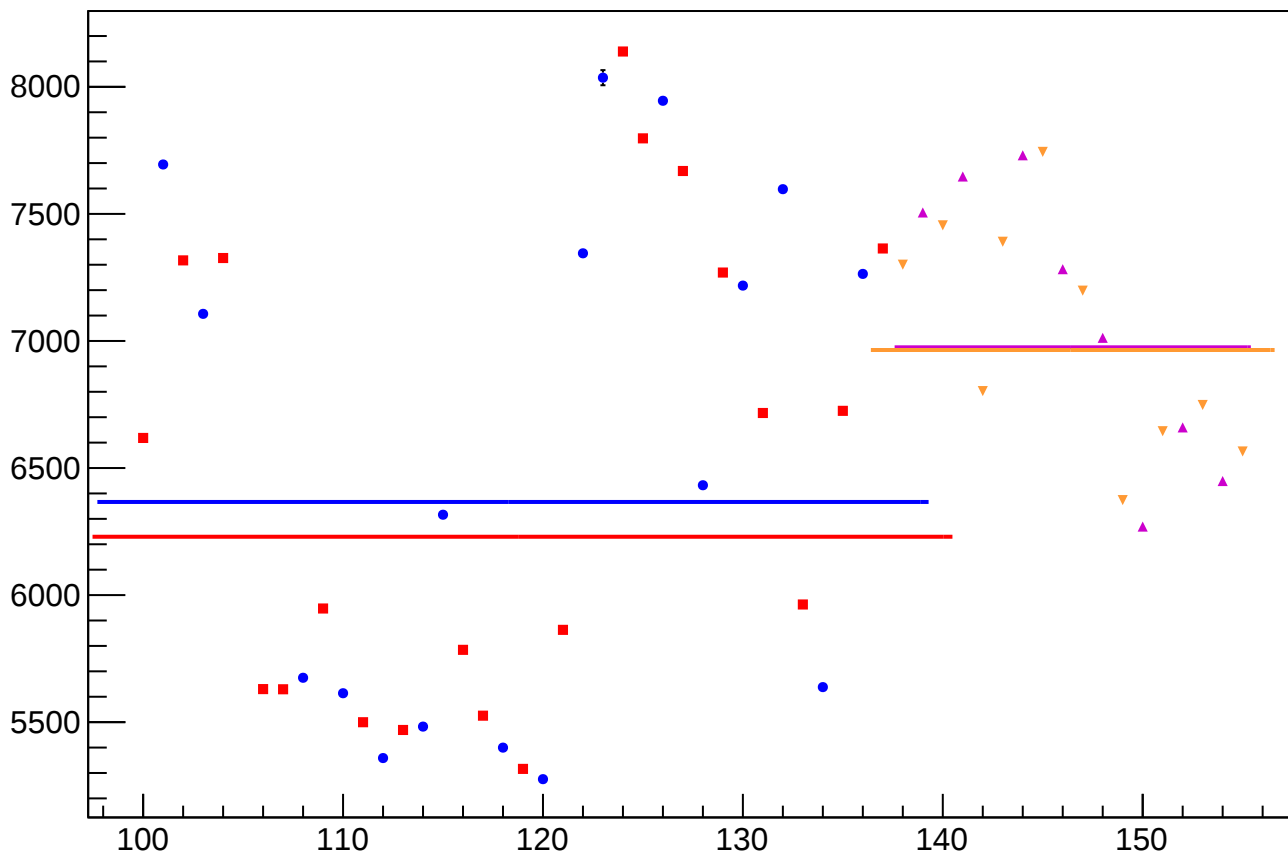
Left In: -11.237 $\pm$ 2.751 χ^2/NDF : 8.8/7

7.515 $\pm$ 1.790 χ^2/NDF : 66.2/26

2.892 $\pm$ 1.264 χ^2/NDF : 137.2/54

-1.714 $\pm$ 1.786 χ^2/NDF : 57.7/27

diff_bpm0l06X_rms vs Slug, Sign Corrected



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

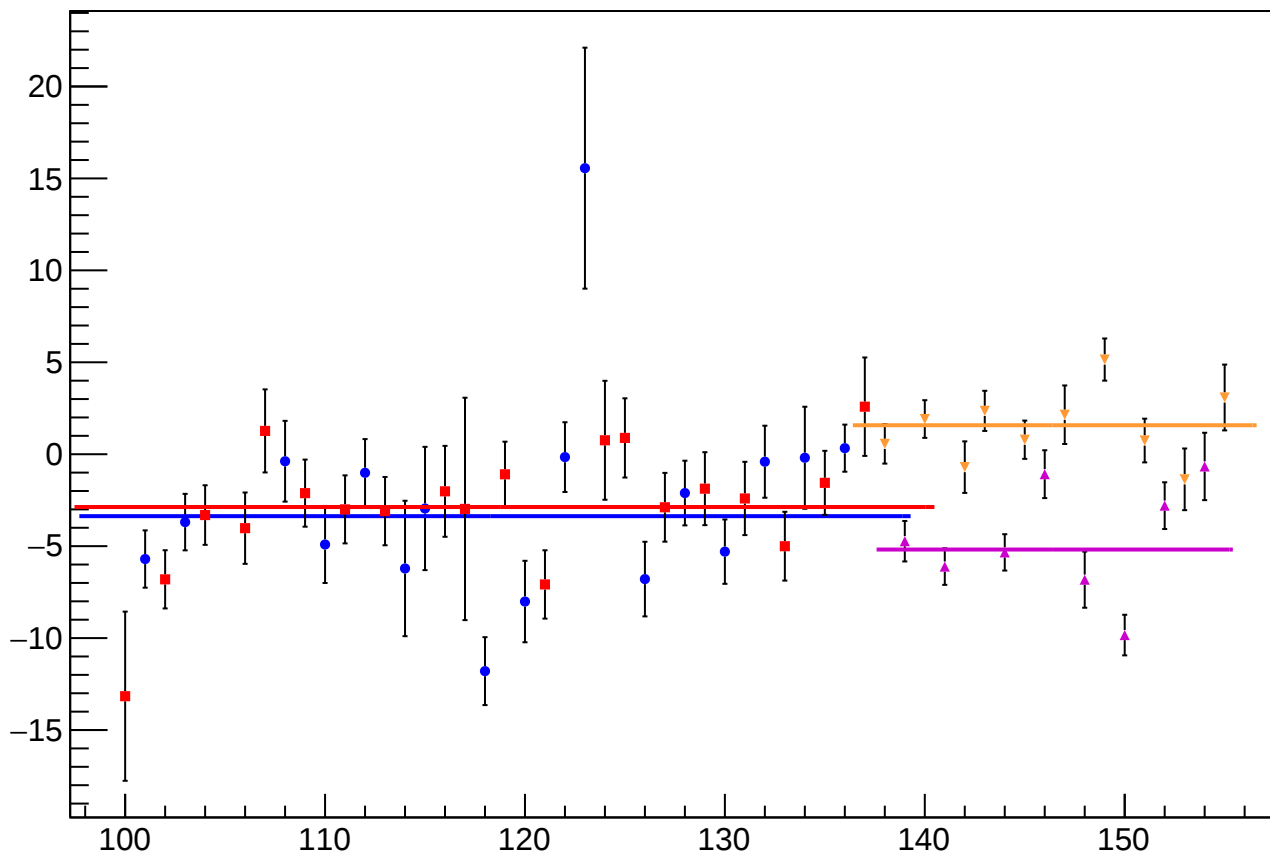
Left In: 6975.013 +/- 1.945 χ^2/NDF : 75321.0/7

6654.448 +/- 1.265 χ^2/NDF : 398839.0/26

6598.995 +/- 0.894 χ^2/NDF : 807547.9/54

6543.753 +/- 1.263 χ^2/NDF : 404875.2/27

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.368 $\pm$ 0.476 χ^2/NDF : 59.9/16

Left Out: 1.576 $\pm$ 0.389 χ^2/NDF : 18.8/9

Right Out: -2.871 $\pm$ 0.455 χ^2/NDF : 32.0/19

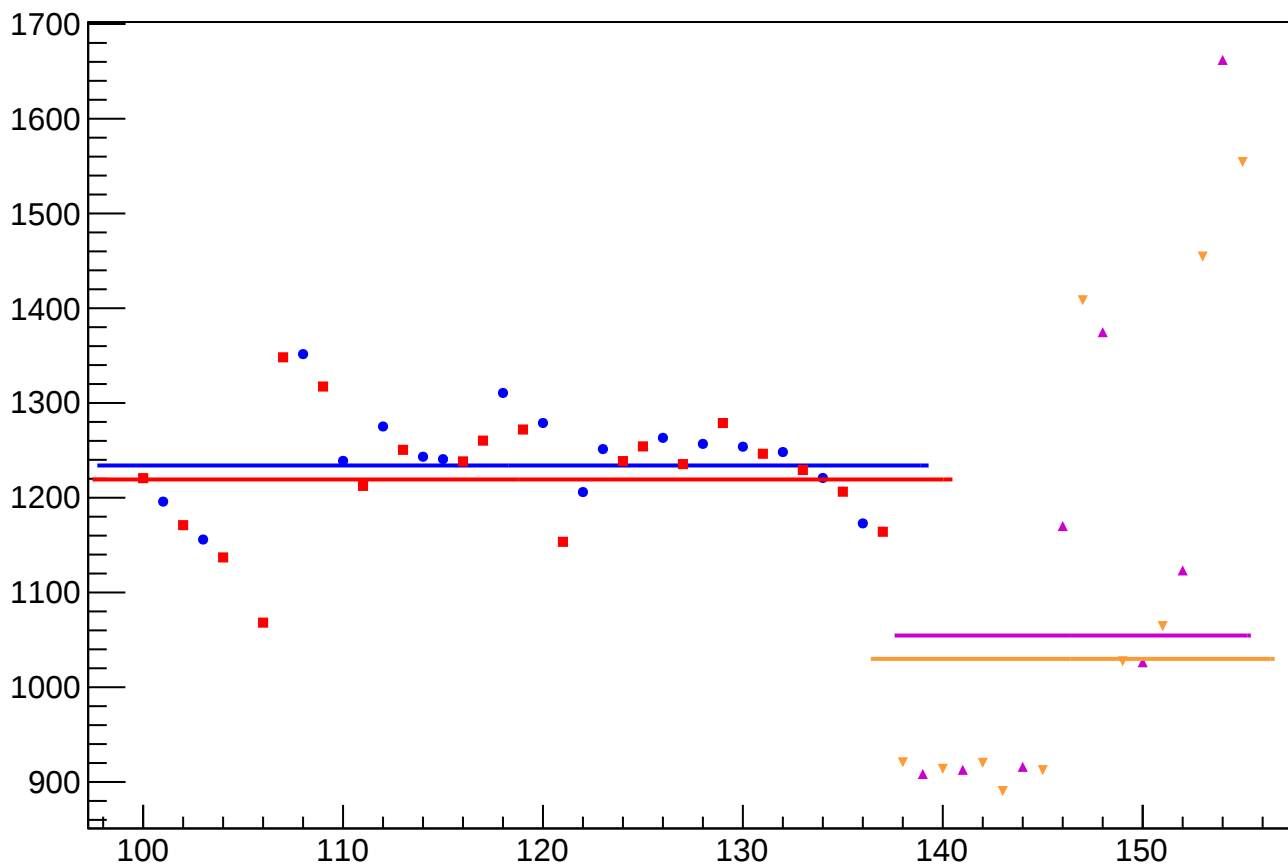
Left In: -5.183 $\pm$ 0.422 χ^2/NDF : 39.5/7

-0.404 $\pm$ 0.301 χ^2/NDF : 143.5/26

-2.208 $\pm$ 0.216 χ^2/NDF : 302.9/54

-4.115 $\pm$ 0.309 χ^2/NDF : 85.4/27

diff_bpm0l06Y_rms vs Slug, Sign Corrected



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

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

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

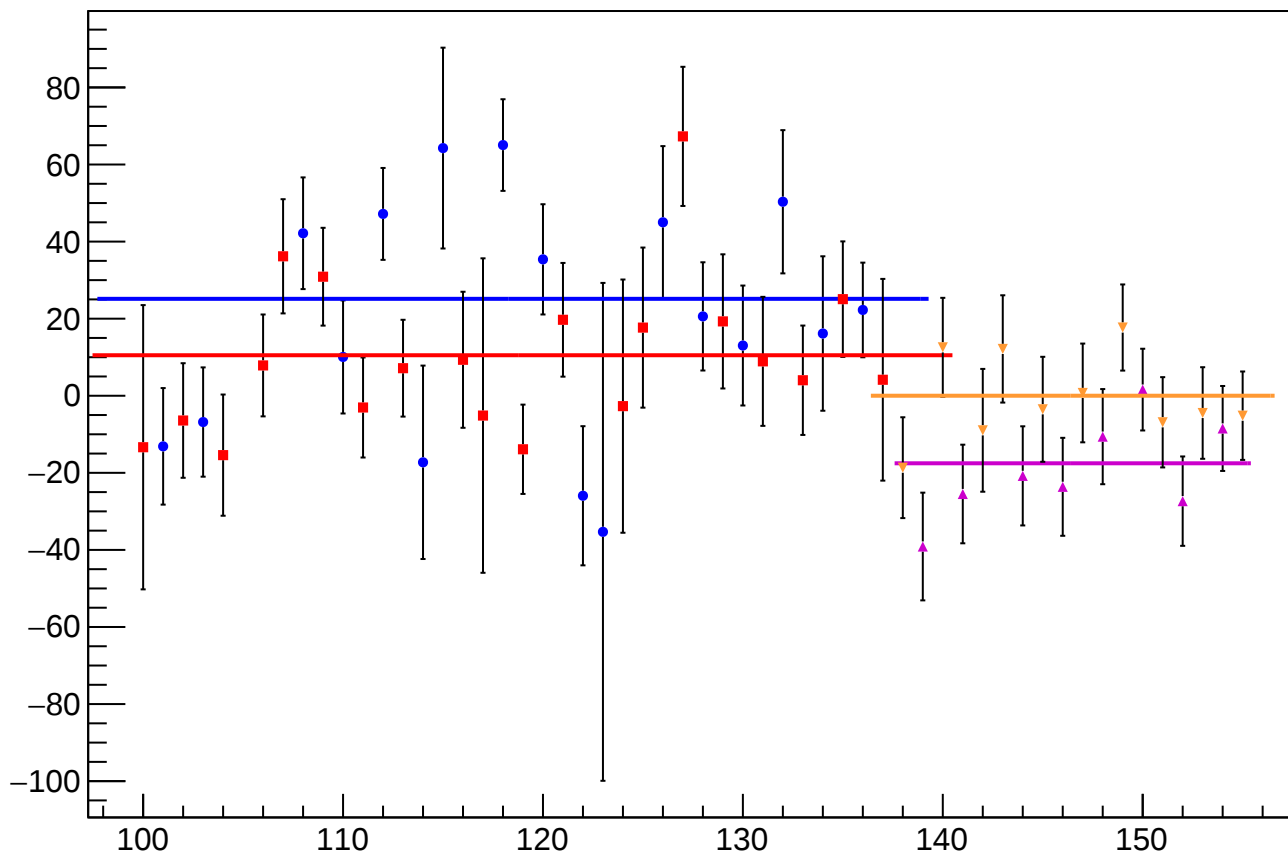
Left In: 1054.582 ± 0.298 χ^2/NDF : 445964.8/7

1111.663 ± 0.213 χ^2/NDF : 775763.1/26

1120.917 ± 0.153 χ^2/NDF : 1406941.2/54

1130.700 ± 0.219 χ^2/NDF : 627287.5/27

diff_bpm0l07X_mean vs Slug, Sign Corrected



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

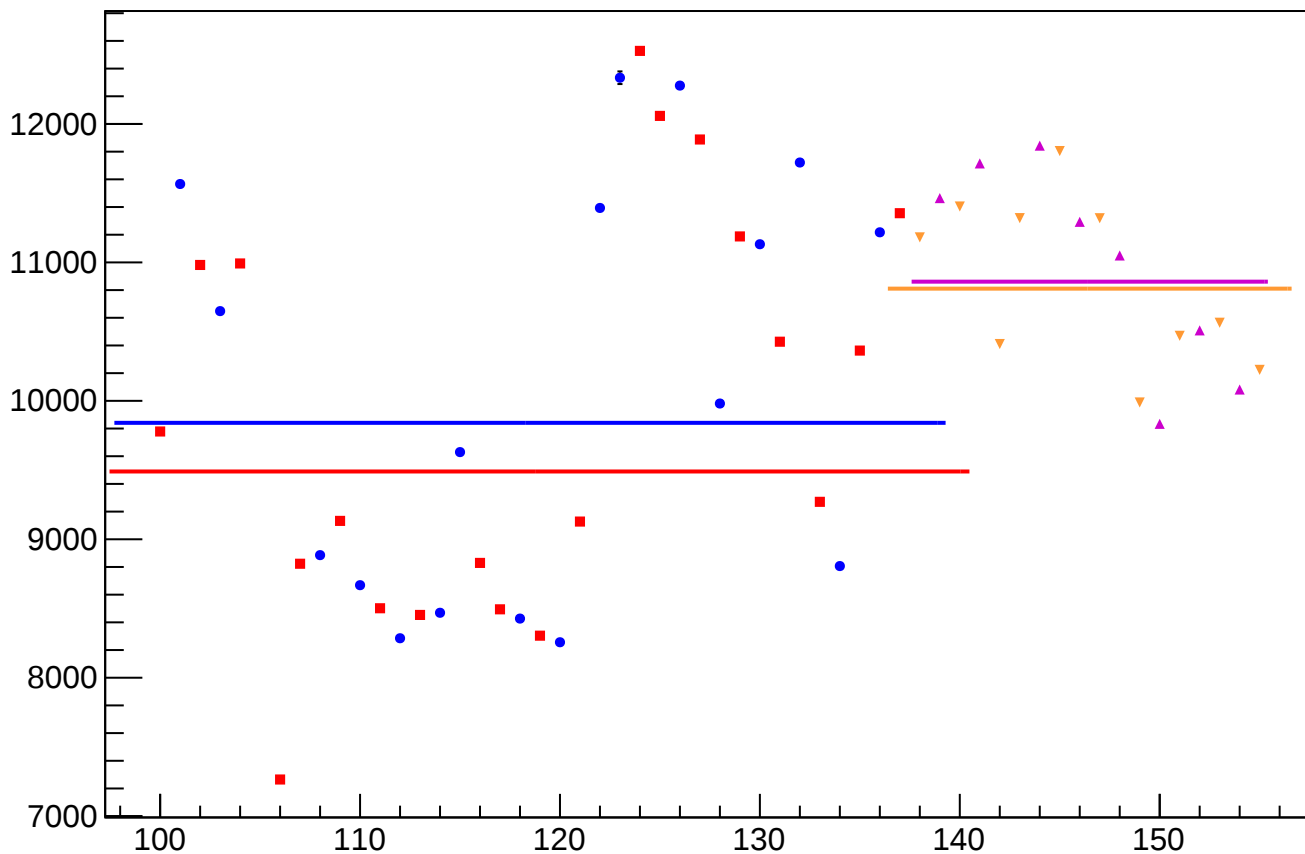
Left In: -17.525 $\pm$ 4.280 χ^2/NDF : 8.0/7

13.102 $\pm$ 2.769 χ^2/NDF : 74.8/26

5.976 $\pm$ 1.950 χ^2/NDF : 149.1/54

-1.032 $\pm$ 2.746 χ^2/NDF : 61.1/27

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9841.174 $\pm$ 2.713 χ^2/NDF : 260062.4/16

Left Out: 10810.506 $\pm$ 2.829 χ^2/NDF : 42216.7/9

Right Out: 9489.753 $\pm$ 2.532 χ^2/NDF : 277900.5/19

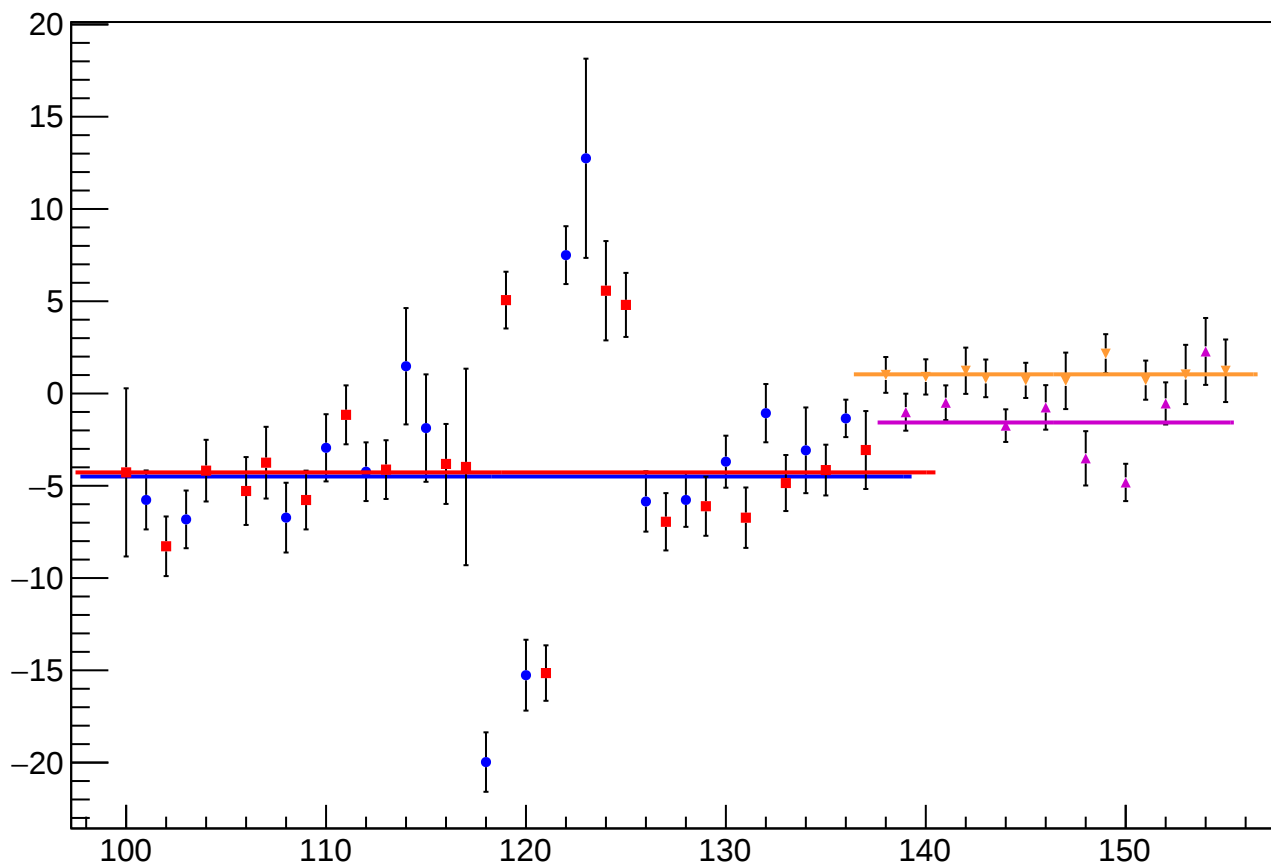
Left In: 10860.926 $\pm$ 3.026 χ^2/NDF : 57690.0/7

10305.621 $\pm$ 1.958 χ^2/NDF : 363425.5/26

10178.928 $\pm$ 1.379 χ^2/NDF : 828068.8/54

10054.336 $\pm$ 1.942 χ^2/NDF : 456341.7/27

diff_bpm0l07Y_mean vs Slug, Sign Corrected



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

Left Out: 1.040 ± 0.358 χ^2/NDF : 1.5/9

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

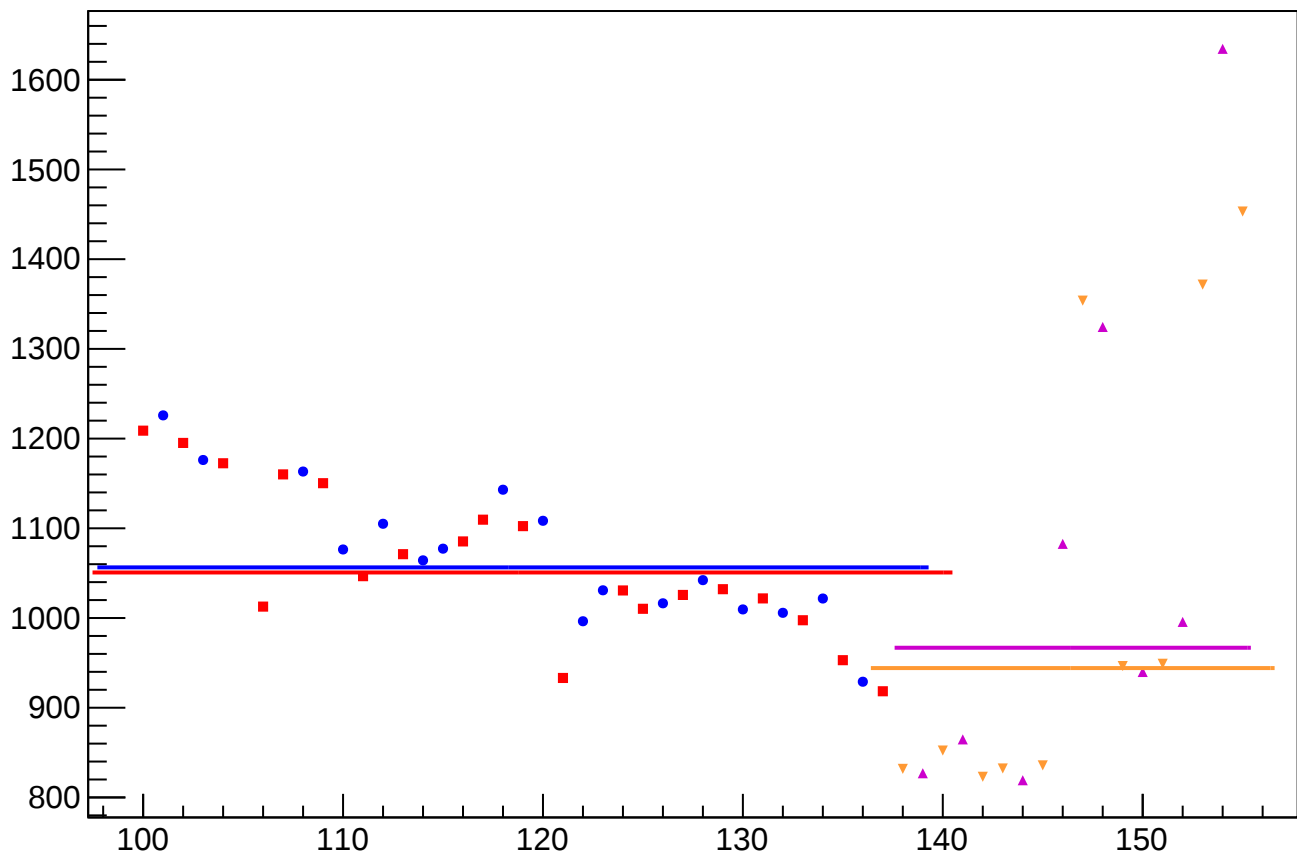
Left In: -1.571 ± 0.389 χ^2/NDF : 19.5/7

-1.367 ± 0.269 χ^2/NDF : 323.9/26

-2.118 ± 0.193 χ^2/NDF : 531.6/54

-2.910 ± 0.276 χ^2/NDF : 191.7/27

diff_bpm0l07Y_rms vs Slug, Sign Corrected



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

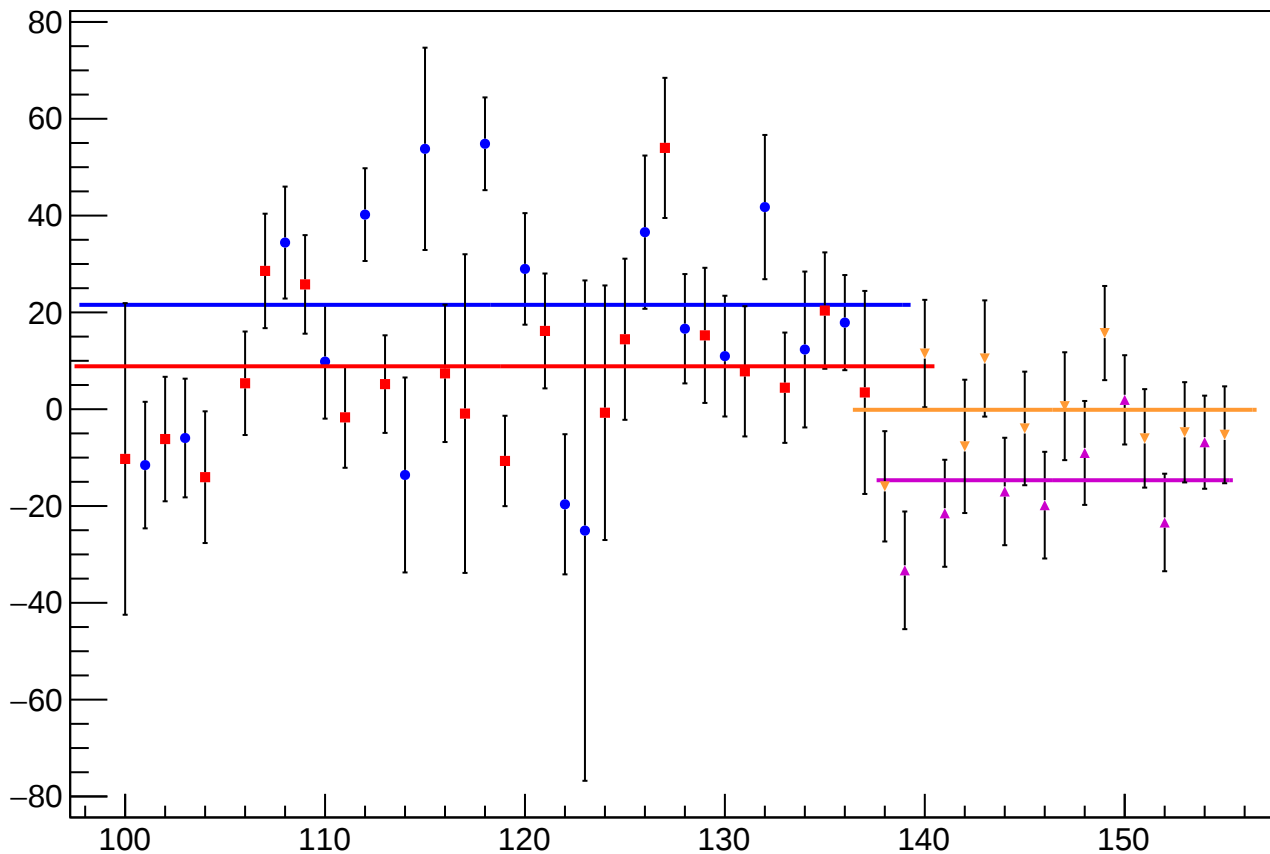
Left In: 966.855 ± 0.275 χ^2/NDF : 528763.8/7

992.989 ± 0.190 χ^2/NDF : 755680.4/26

1000.494 ± 0.136 χ^2/NDF : 1416339.7/54

1008.416 ± 0.195 χ^2/NDF : 657461.4/27

diff_bpm0l08X_mean vs Slug, Sign Corrected



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

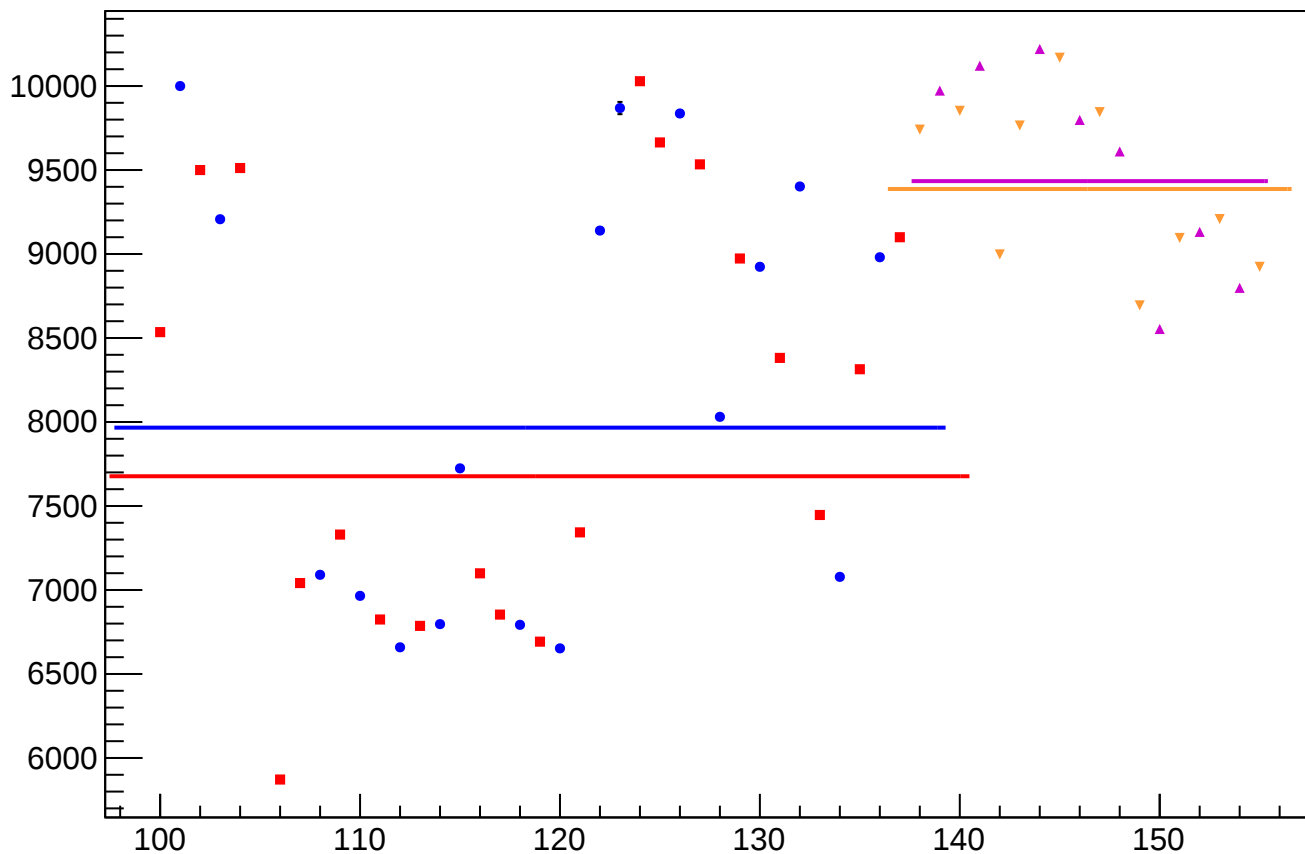
Left In: -14.673 $\pm$ 3.716 χ^2/NDF : 7.9/7

11.912 $\pm$ 2.317 χ^2/NDF : 77.7/26

5.854 $\pm$ 1.628 χ^2/NDF : 151.6/54

-0.044 $\pm$ 2.287 χ^2/NDF : 60.4/27

diff_bpm0l08X_rms vs Slug, Sign Corrected



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

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

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

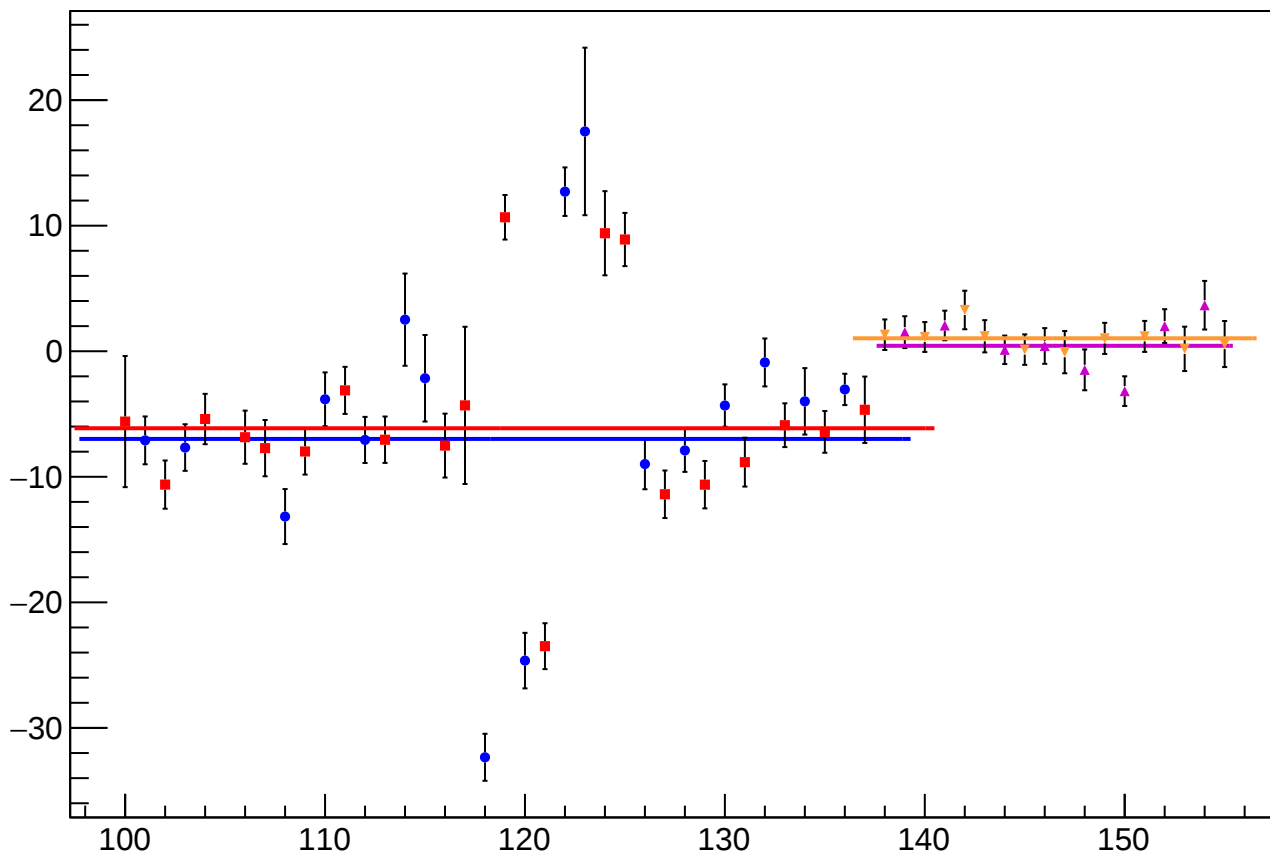
Left In: 9433.858 $\pm$ 2.628 χ^2/NDF : 53168.3/7

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

8468.635 $\pm$ 1.151 χ^2/NDF : 1179849.2/54

8342.066 $\pm$ 1.617 χ^2/NDF : 647205.6/27

diff_bpm0l08Y_mean vs Slug, Sign Corrected



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

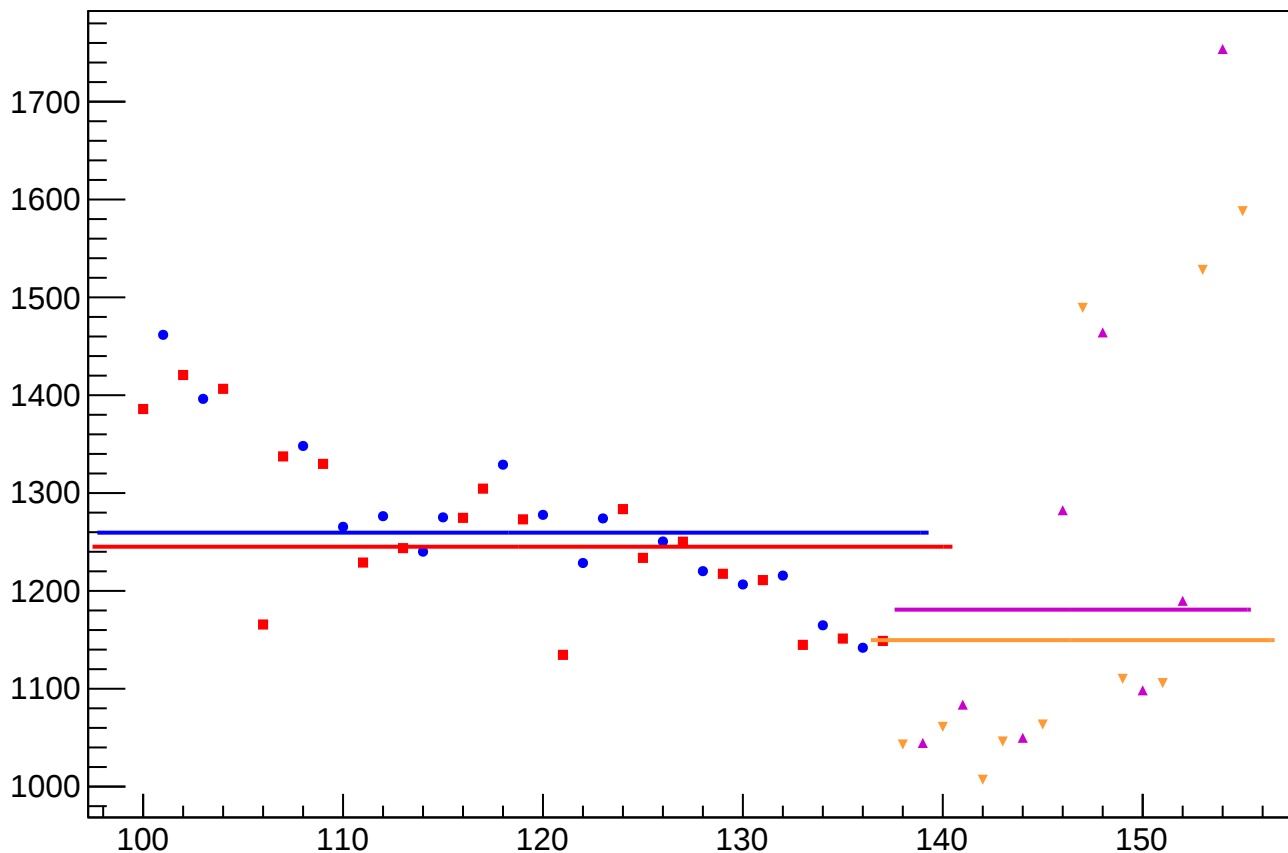
Left In: 0.434 ± 0.470 χ^2/NDF : 17.6/7

-2.500 ± 0.323 χ^2/NDF : 564.1/26

-2.687 ± 0.231 χ^2/NDF : 958.5/54

-2.883 ± 0.331 χ^2/NDF : 393.8/27

diff_bpm0l08Y_rms vs Slug, Sign Corrected



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

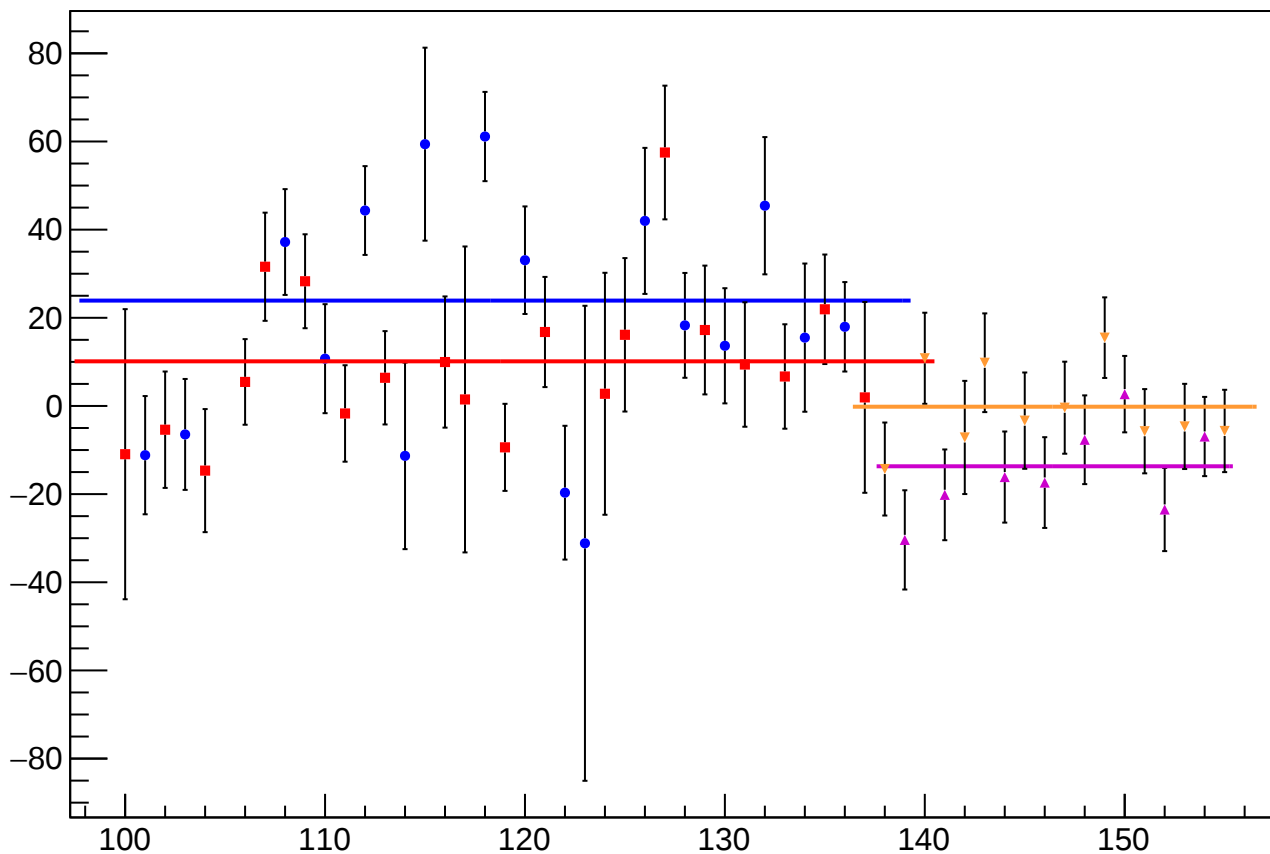
Left In: 1180.846 +/- 0.332 χ^2/NDF : 319525.2/7

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

1205.515 +/- 0.163 χ^2/NDF : 888392.7/54

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

diff_bpm0l09X_mean vs Slug, Sign Corrected



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

Left Out: -0.170 ± 3.244 χ^2/NDF : 7.9/9

Right Out: 10.125 ± 2.994 χ^2/NDF : 28.0/19

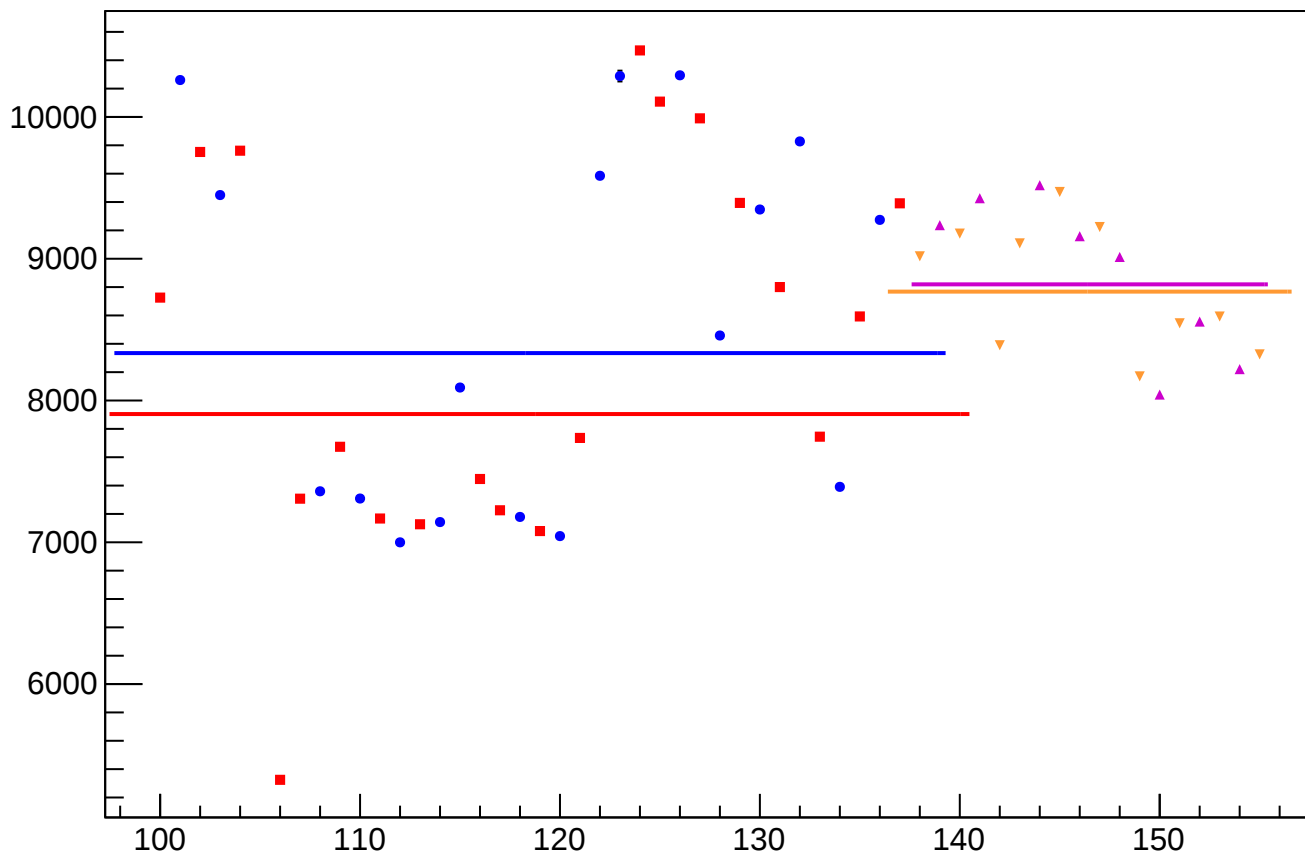
Left In: -13.684 ± 3.473 χ^2/NDF : 8.3/7

11.843 ± 2.296 χ^2/NDF : 87.9/26

5.835 ± 1.614 χ^2/NDF : 164.7/54

-0.026 ± 2.268 χ^2/NDF : 63.3/27

diff_bpm0l09X_rms vs Slug, Sign Corrected



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

Left Out: 8768.116 $\pm$ 2.294 χ^2 /NDF:34718.8/9

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

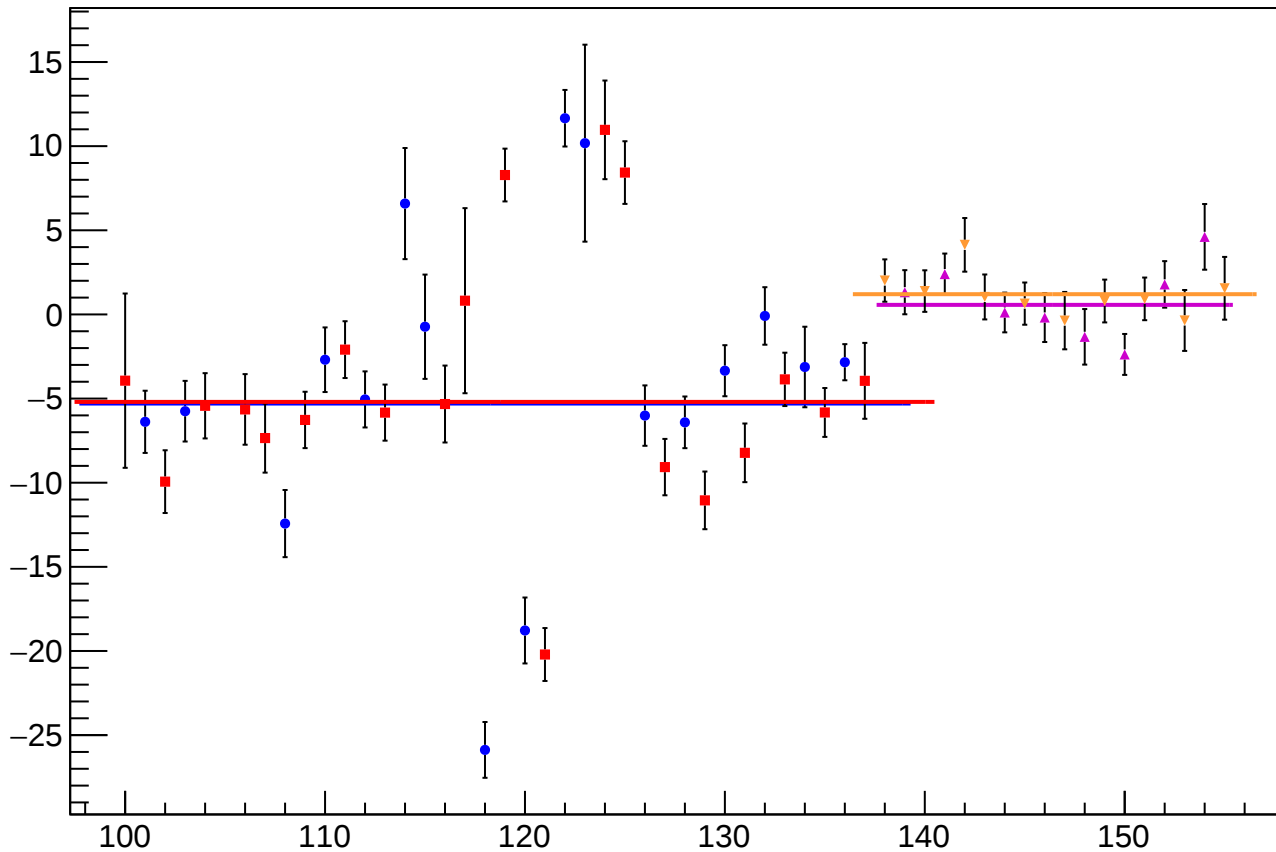
Left In: 8819.318 $\pm$ 2.456 χ^2 /NDF:48258.5/7

8551.760 $\pm$ 1.624 χ^2 /NDF: 324852.3/26

8421.568 $\pm$ 1.141 χ^2 /NDF: 856989.2/54

8294.558 $\pm$ 1.604 χ^2 /NDF: 519434.3/27

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.295 $\pm$ 0.437 χ^2/NDF : 358.1/16

Left Out: 1.202 $\pm$ 0.445 χ^2/NDF : 5.8/9

Right Out: -5.198 $\pm$ 0.420 χ^2/NDF : 283.1/19

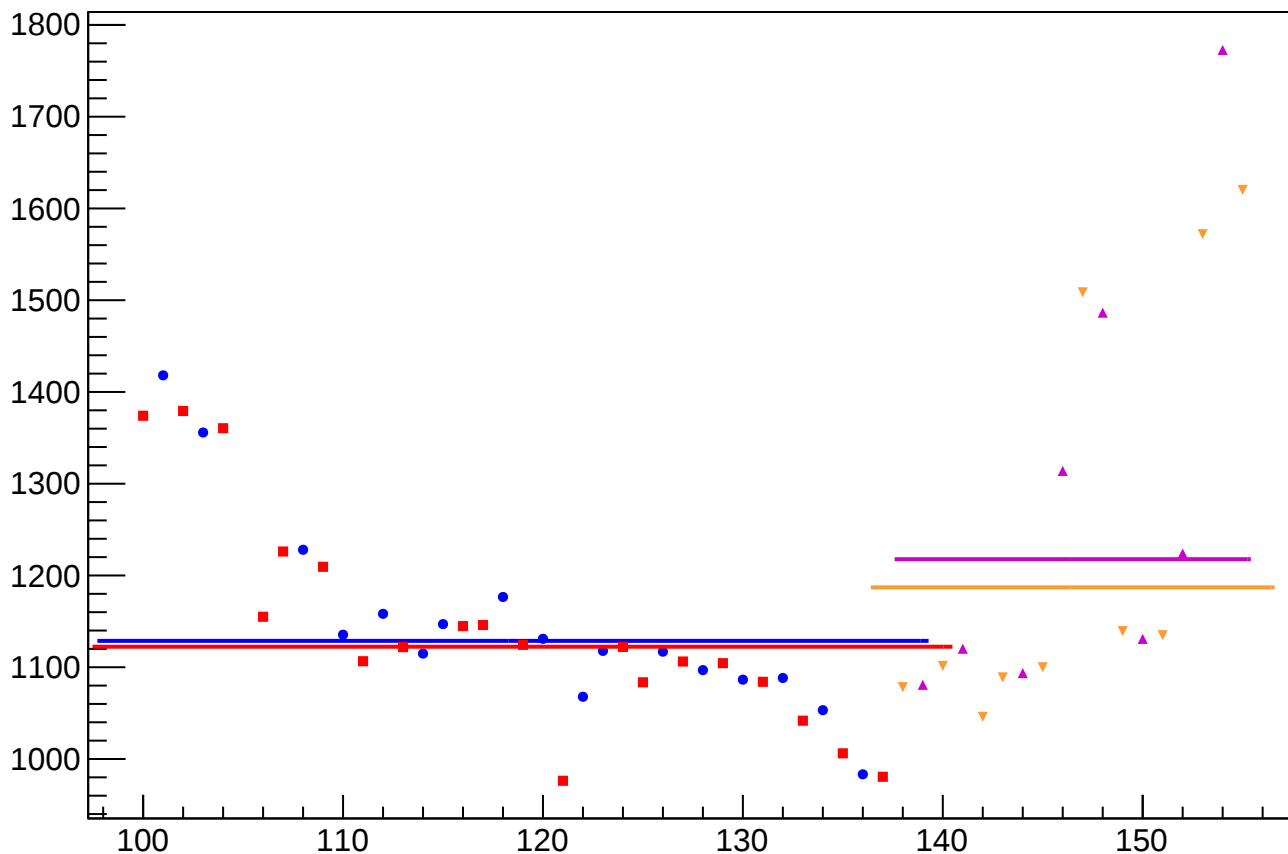
Left In: 0.568 $\pm$ 0.484 χ^2/NDF : 15.2/7

-2.104 $\pm$ 0.312 χ^2/NDF : 472.6/26

-2.405 $\pm$ 0.222 χ^2/NDF : 853.7/54

-2.717 $\pm$ 0.317 χ^2/NDF : 379.2/27

diff_bpm0l09Y_rms vs Slug, Sign Corrected



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

Left Out: 1187.030 $\pm$ 0.314 χ^2 /NDF: 336423.9/9

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

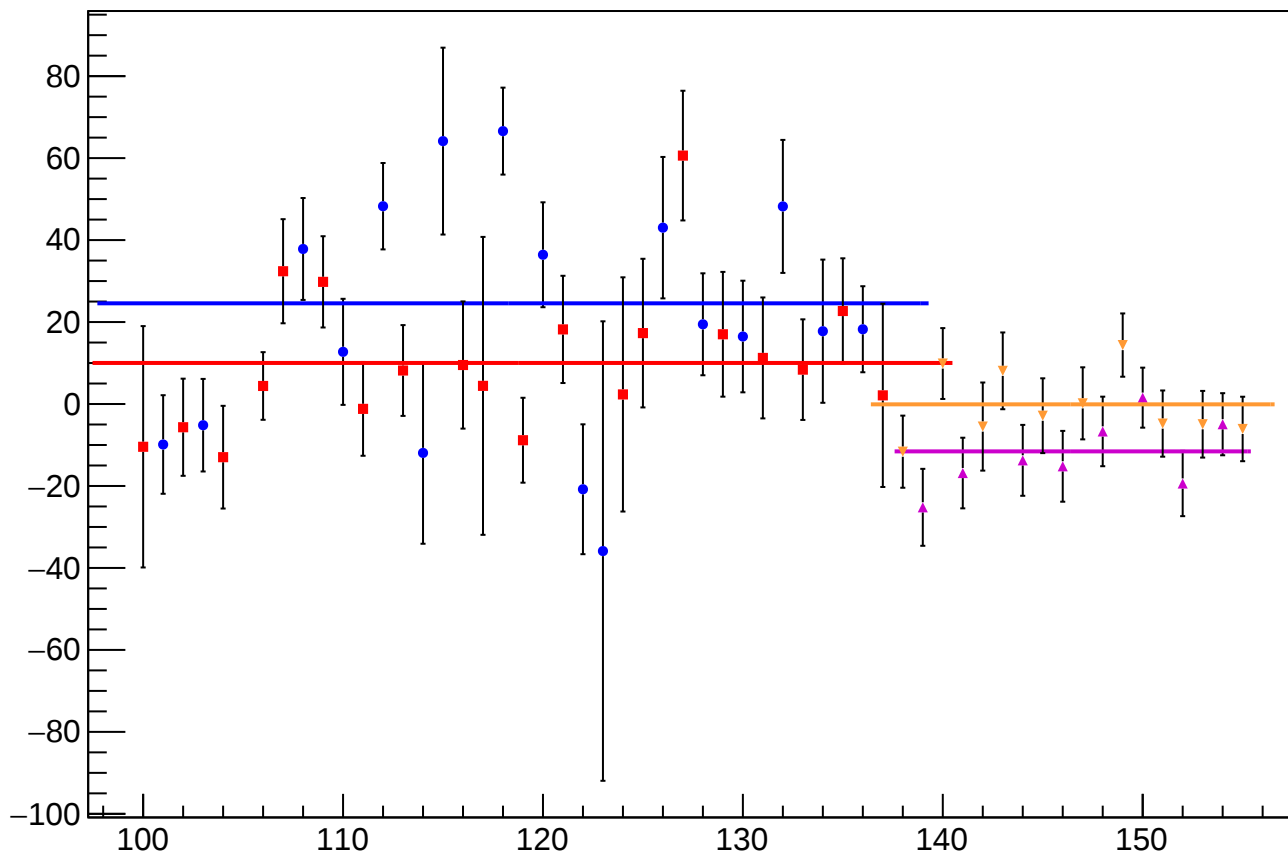
Left In: 1217.743 $\pm$ 0.342 χ^2 /NDF: 290396.5/7

1157.364 $\pm$ 0.220 χ^2 /NDF: 487007.6/26

1160.328 $\pm$ 0.157 χ^2 /NDF: 951679.9/54

1163.401 $\pm$ 0.224 χ^2 /NDF: 464303.9/27

diff_bpm0l10X_mean vs Slug, Sign Corrected



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

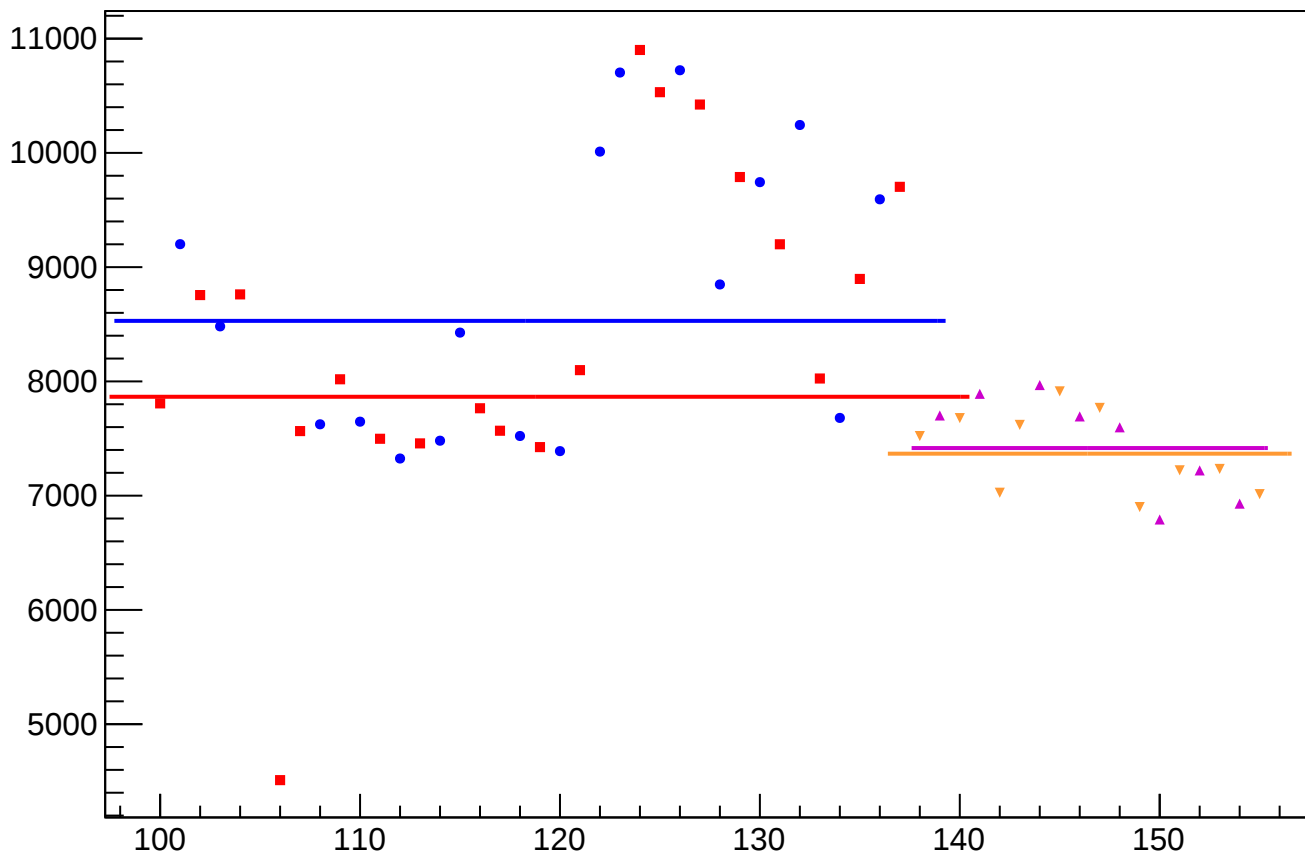
Left In: -11.558+/-2.920 χ^2/NDF : 8.0/7

9.849+/-2.106 χ^2/NDF : 100.0/26

4.361+/-1.484 χ^2/NDF : 176.9/54

-1.052+/-2.092 χ^2/NDF : 63.4/27

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8529.821 $\pm$ 2.346 χ^2 /NDF: 208336.1/16

Left Out: 7367.442 $\pm$ 1.927 χ^2 /NDF: 30536.2/9

Right Out: 7865.549 $\pm$ 2.119 χ^2 /NDF: 555976.4/19

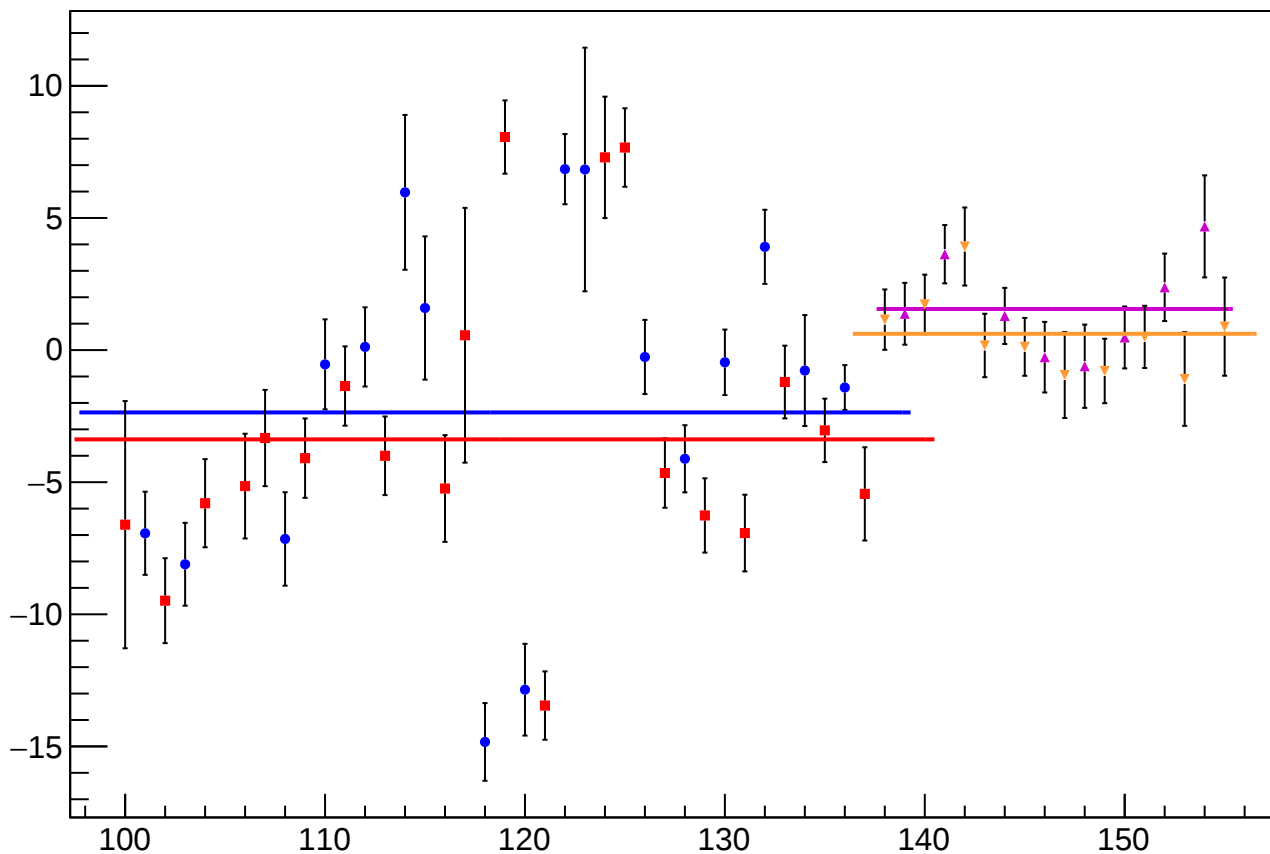
Left In: 7416.731 $\pm$ 2.065 χ^2 /NDF: 43046.5/7

7835.614 $\pm$ 1.489 χ^2 /NDF: 385432.9/26

7734.752 $\pm$ 1.049 χ^2 /NDF: 1016575.9/54

7635.265 $\pm$ 1.479 χ^2 /NDF: 622030.6/27

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.360 $\pm$ 0.366 χ^2 /NDF: 232.0/16

Left Out: 0.616 $\pm$ 0.411 χ^2 /NDF: 9.7/9

Right Out: -3.379 $\pm$ 0.357 χ^2 /NDF: 242.1/19

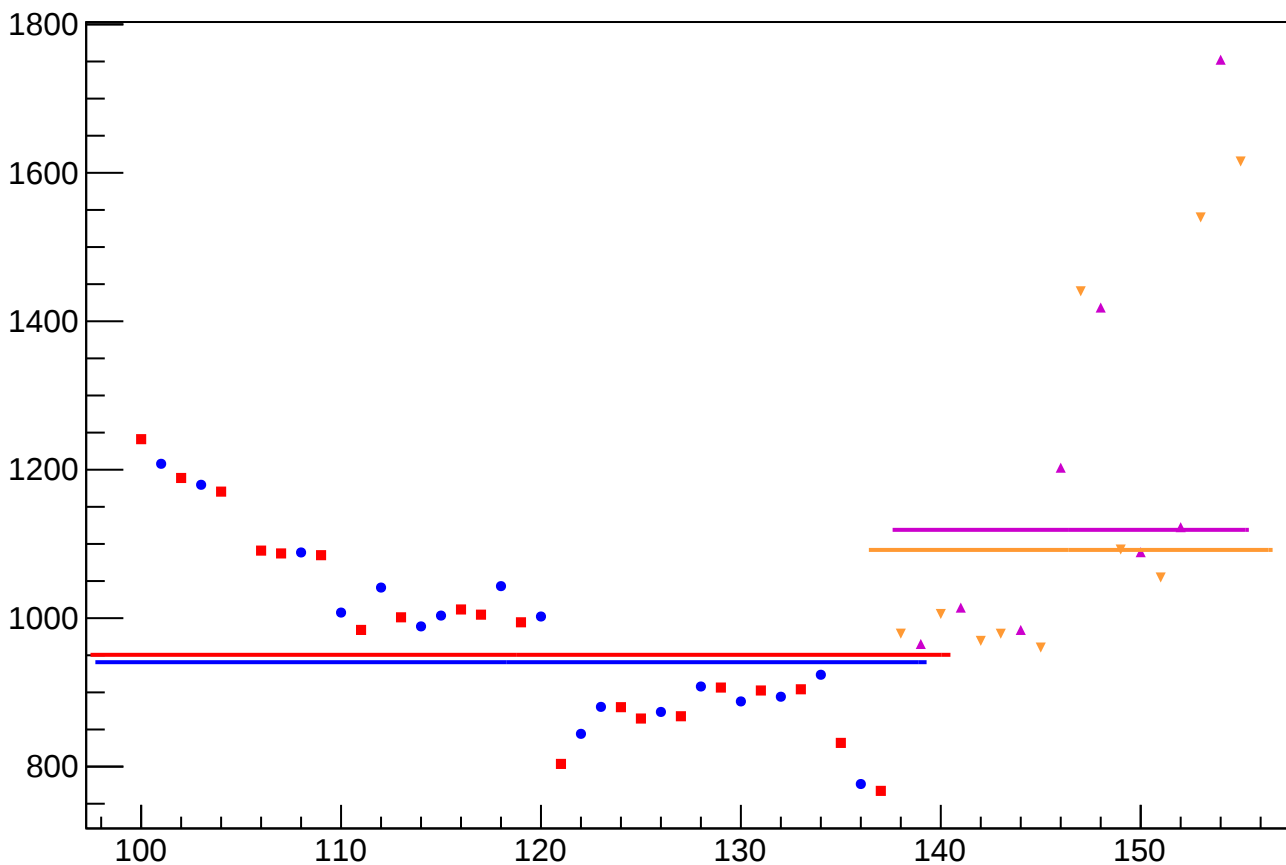
Left In: 1.555 $\pm$ 0.447 χ^2 /NDF: 11.2/7

-1.046 $\pm$ 0.273 χ^2 /NDF: 271.0/26

-1.246 $\pm$ 0.195 χ^2 /NDF: 599.9/54

-1.455 $\pm$ 0.279 χ^2 /NDF: 327.8/27

diff_bpm0l10Y_rms vs Slug, Sign Corrected



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

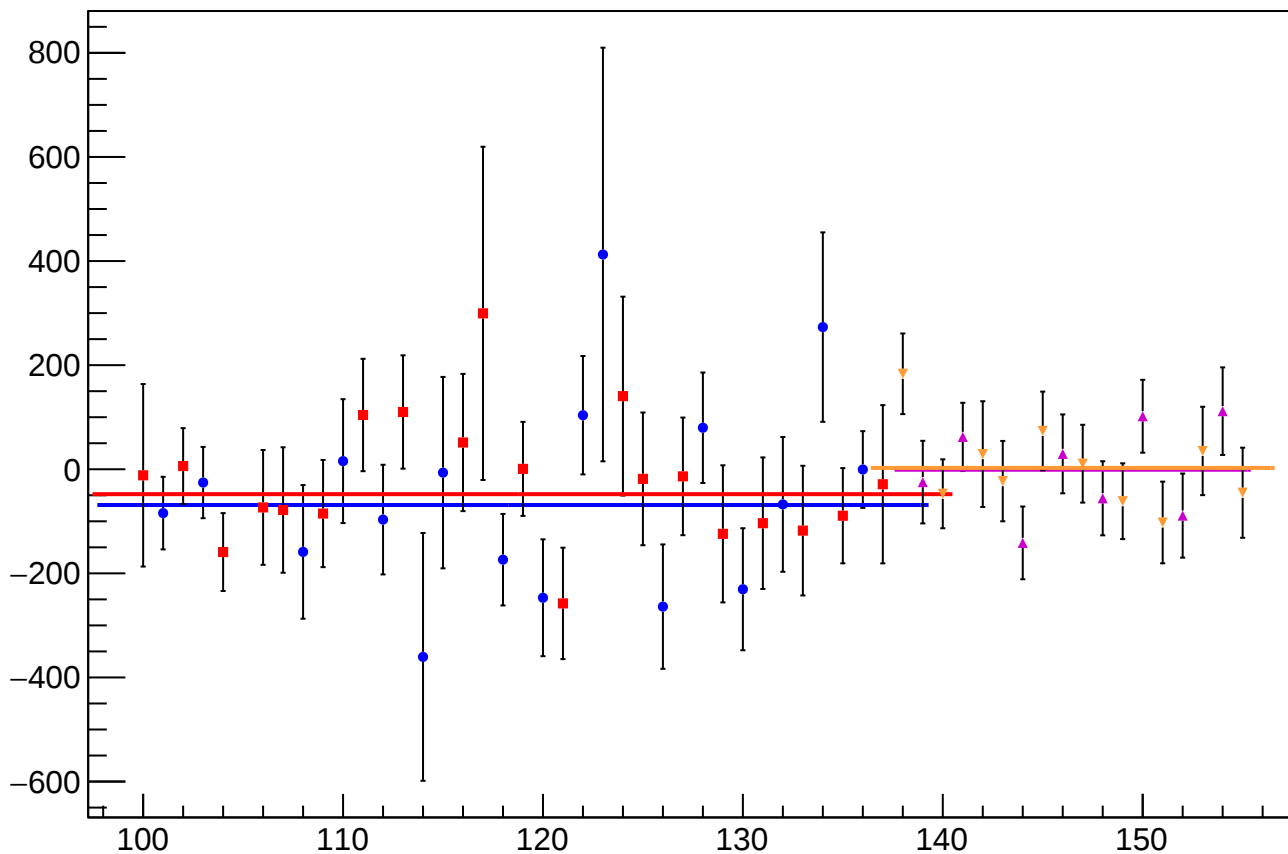
Left In: 1118.992 $\pm$ 0.316 χ^2 /NDF: 381484.7/7

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

1011.789 $\pm$ 0.138 χ^2 /NDF: 1641016.3/54

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

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -68.688 $\pm$ 25.946 χ^2/NDF : 21.8/16

Left Out: 2.590 $\pm$ 24.719 χ^2/NDF : 10.1/9

Right Out: -47.835 $\pm$ 24.944 χ^2/NDF : 15.2/19

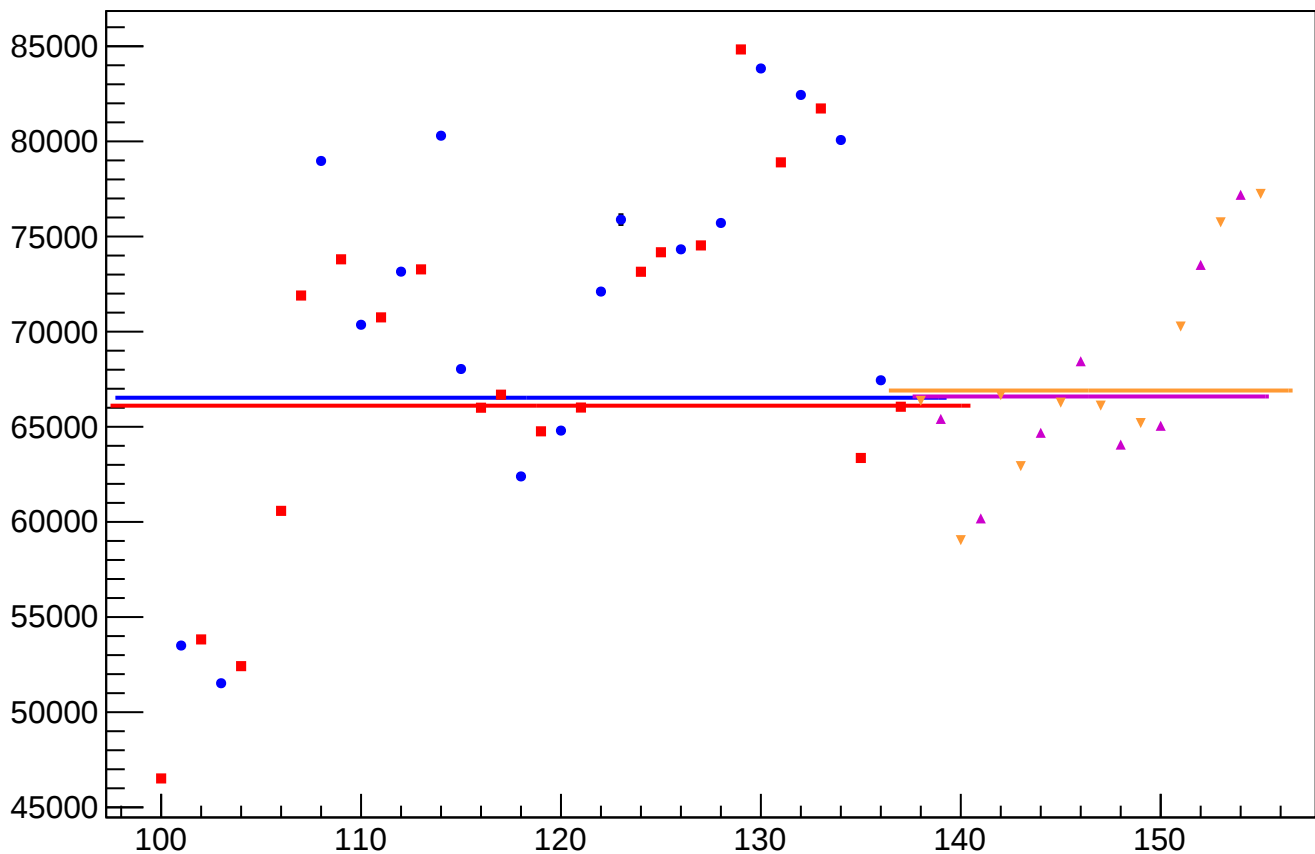
Left In: -0.945 $\pm$ 26.116 χ^2/NDF : 10.9/7

-31.325 $\pm$ 17.897 χ^2/NDF : 35.8/26

-28.418 $\pm$ 12.705 χ^2/NDF : 63.7/54

-25.466 $\pm$ 18.038 χ^2/NDF : 27.8/27

diff_bpm0r03X_rms vs Slug, Sign Corrected



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

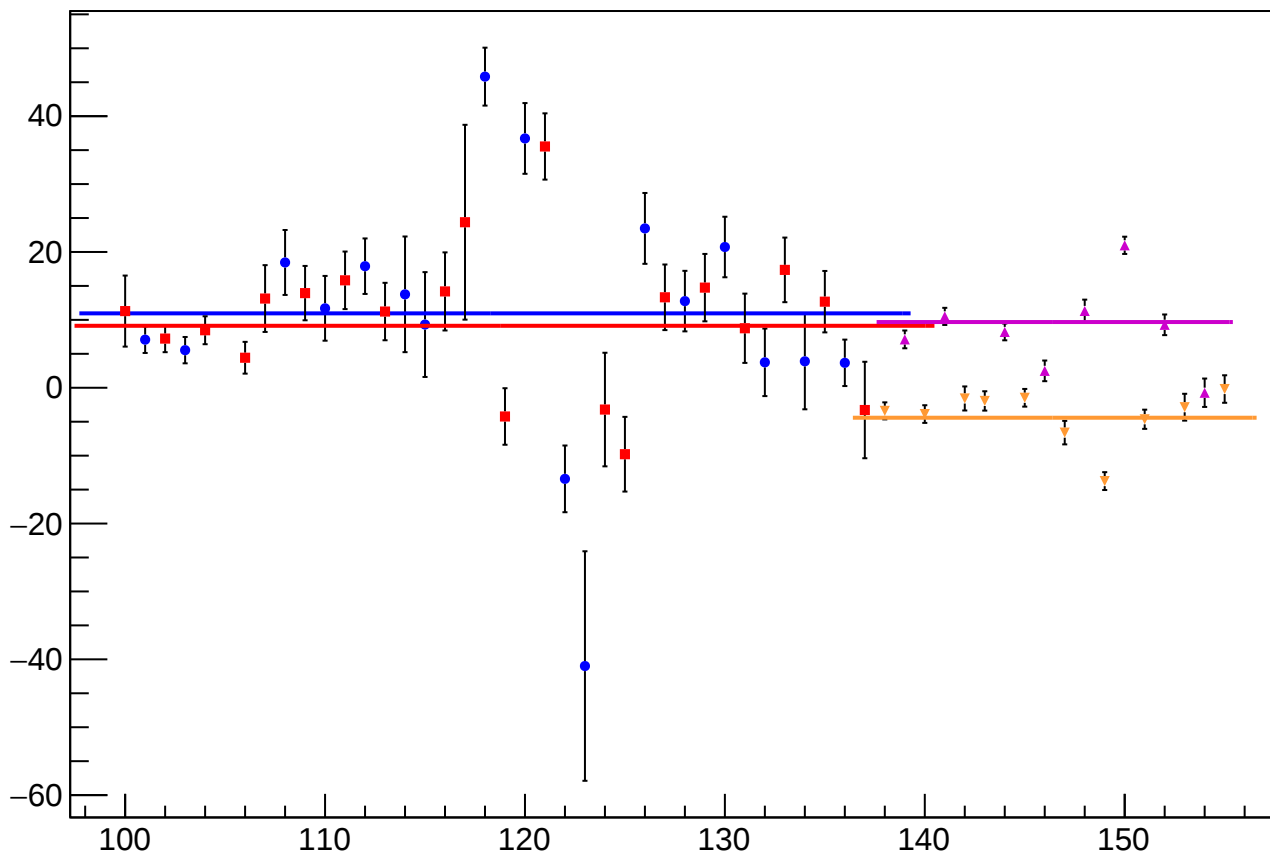
Left In: 66592.439+/-18.467 χ^2/NDF : 72139.3/7

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

66534.268+/-8.984 χ^2/NDF : 781526.5/54

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

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.958 ± 0.943 $\chi^2/\text{NDF}: 160.9/16$

Left Out: -4.414 ± 0.469 $\chi^2/\text{NDF}: 68.4/9$

Right Out: 9.127 ± 0.865 $\chi^2/\text{NDF}: 74.2/19$

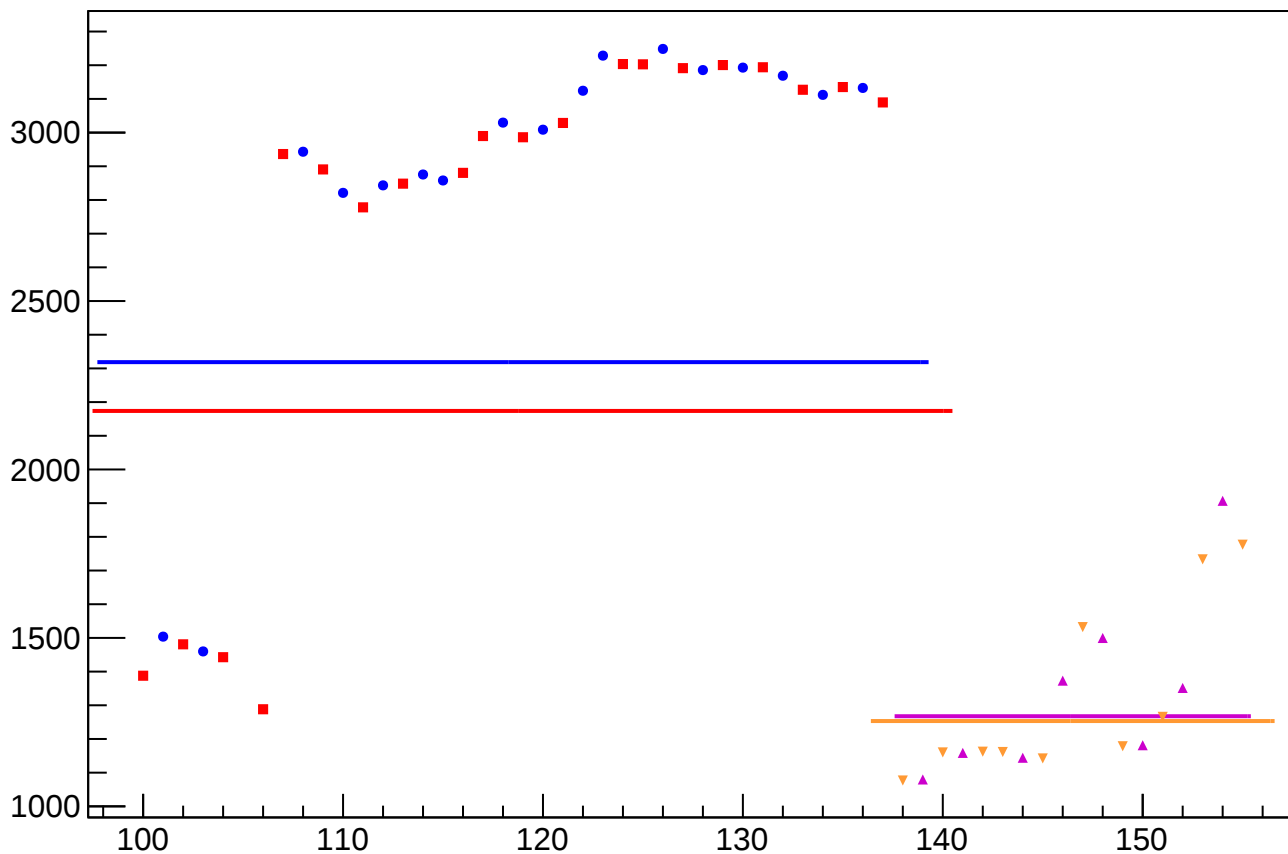
Left In: 9.680 ± 0.504 $\chi^2/\text{NDF}: 132.8/7$

-1.362 ± 0.420 $\chi^2/\text{NDF}: 442.2/26$

3.897 ± 0.302 $\chi^2/\text{NDF}: 974.2/54$

9.540 ± 0.435 $\chi^2/\text{NDF}: 207.4/27$

diff_bpm0r03Y_rms vs Slug, Sign Corrected



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

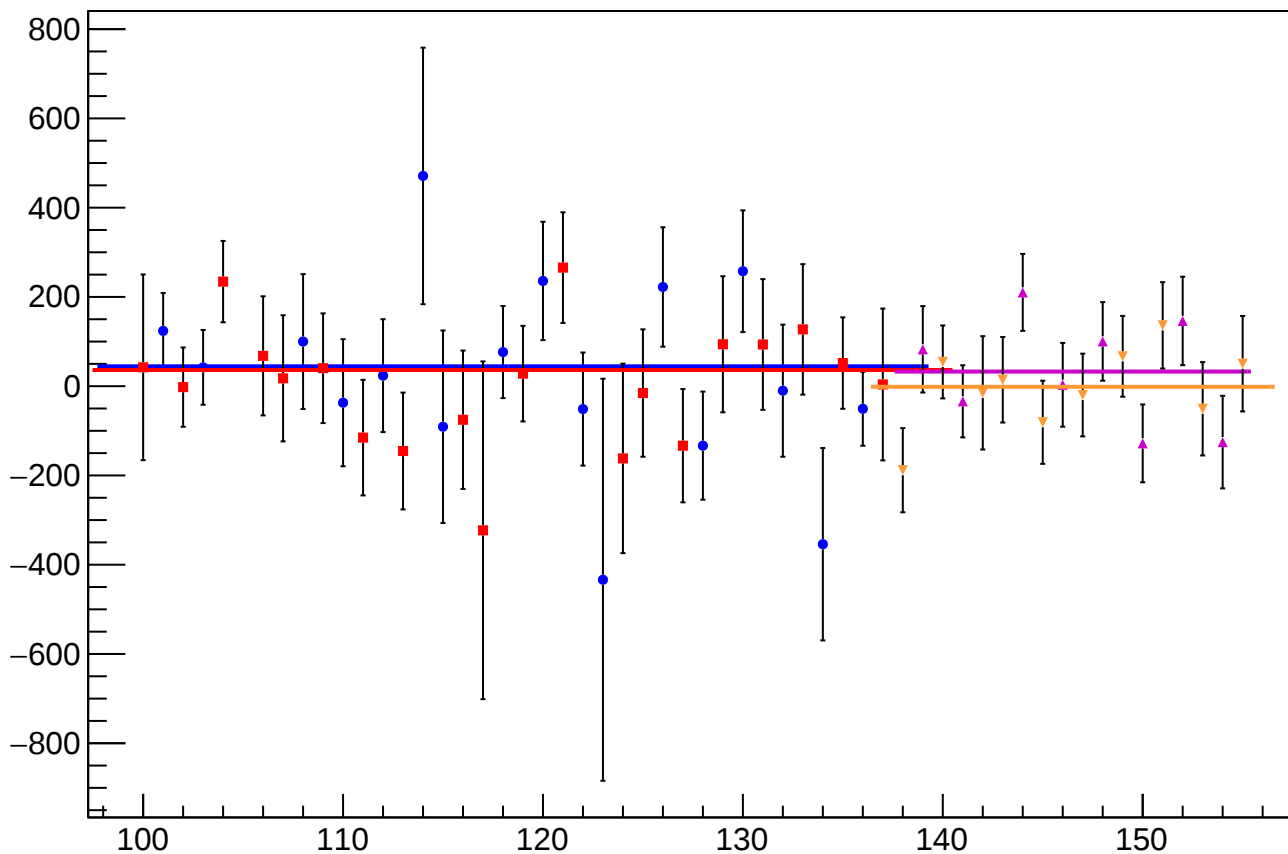
Left In: 1267.527 +/- 0.356 χ^2/NDF : 326700.1/7

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

1480.412 +/- 0.214 χ^2/NDF : 7573813.3/54

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

diff_bpm0r05X_mean vs Slug, Sign Corrected



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

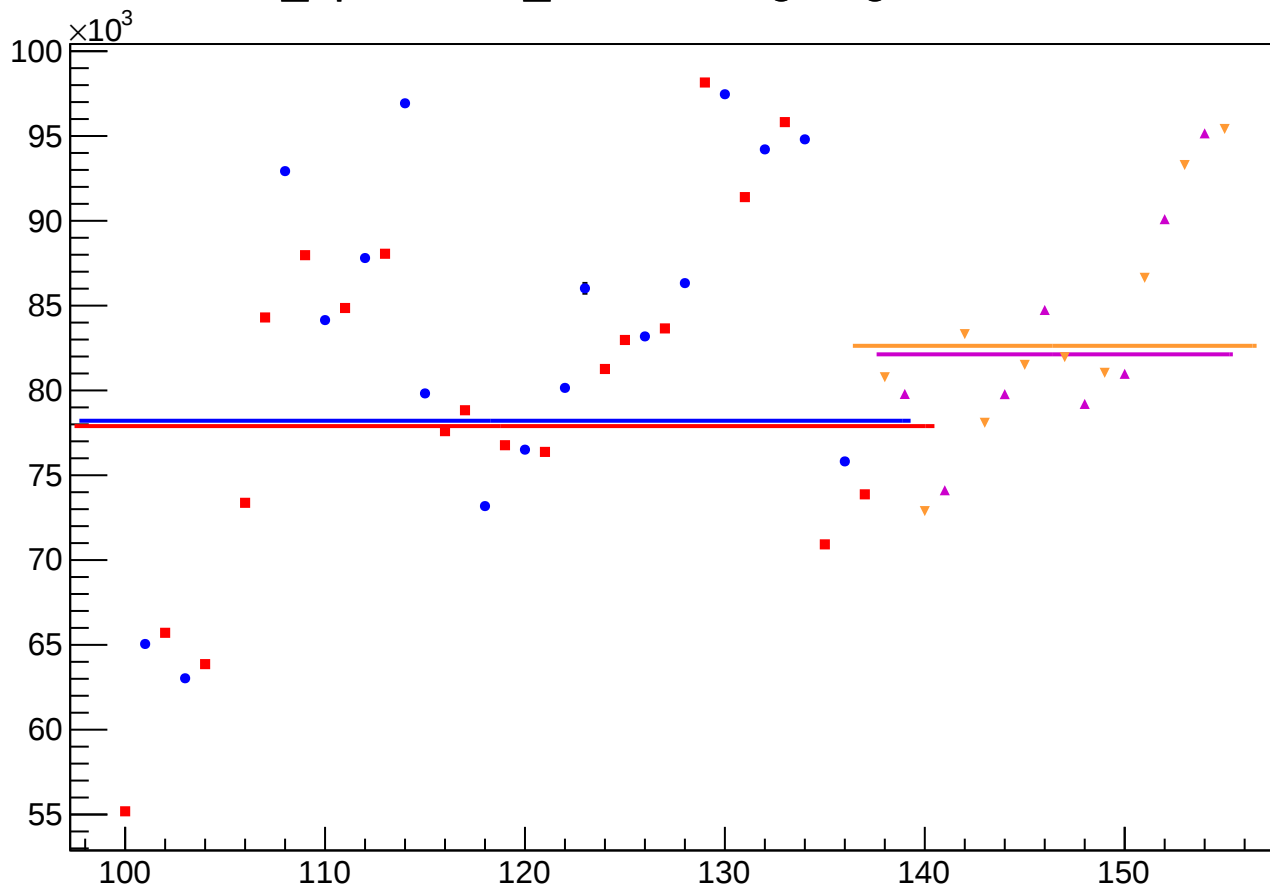
Left In: 32.793+/-32.212 χ^2/NDF : 12.9/7

21.619+/-21.554 χ^2/NDF : 28.5/26

28.109+/-15.290 χ^2/NDF : 58.2/54

34.683+/-21.693 χ^2/NDF : 29.6/27

diff_bpm0r05X_rms vs Slug, Sign Corrected



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

Left Out: 82631.009 $\pm$ 21.589 χ^2/NDF : 87550.9/9

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

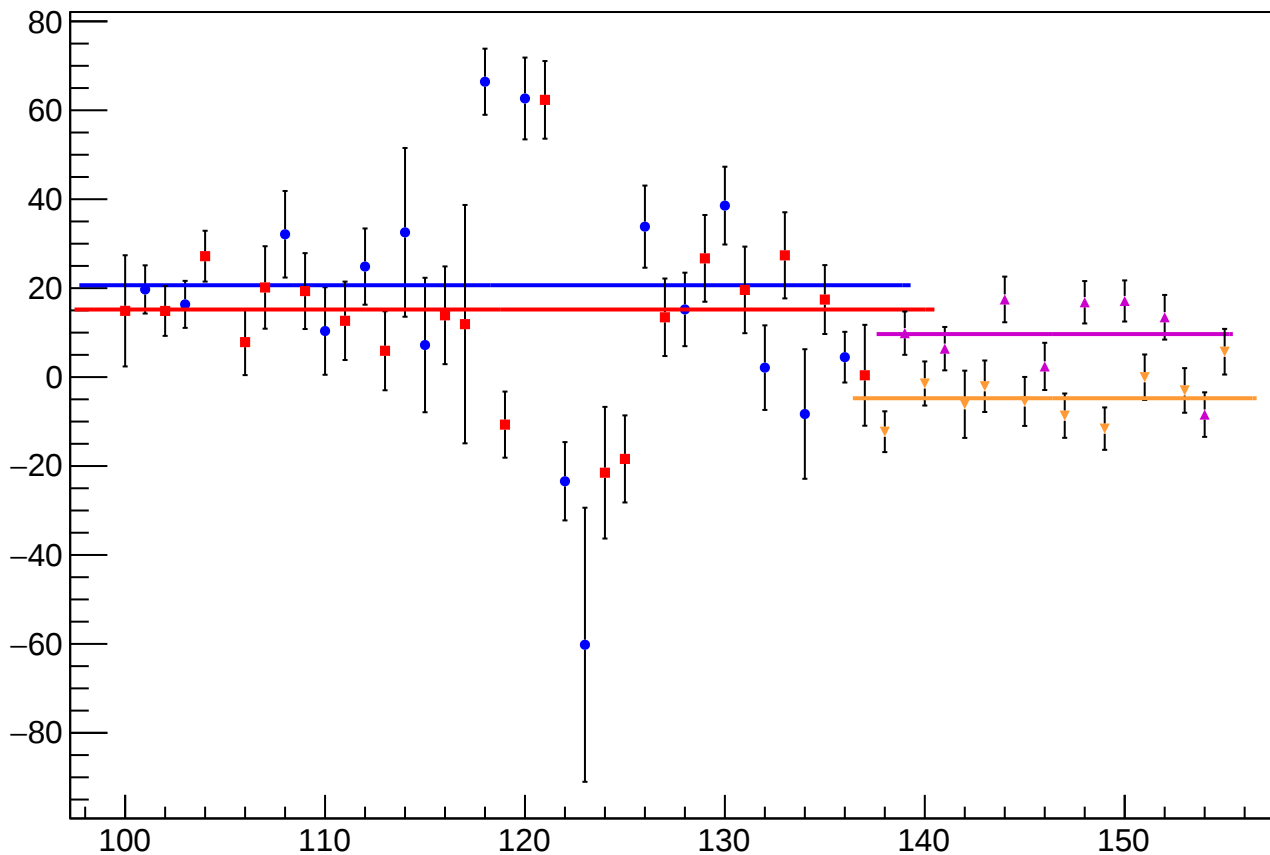
Left In: 82128.020 $\pm$ 22.777 χ^2/NDF : 70963.4/7

80414.758 $\pm$ 15.241 χ^2/NDF : 359614.6/26

80117.468 $\pm$ 10.812 χ^2/NDF : 697176.7/5

79816.315 $\pm$ 15.340 χ^2/NDF : 336796.2/27

diff_bpm0r05Y_mean vs Slug, Sign Corrected



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

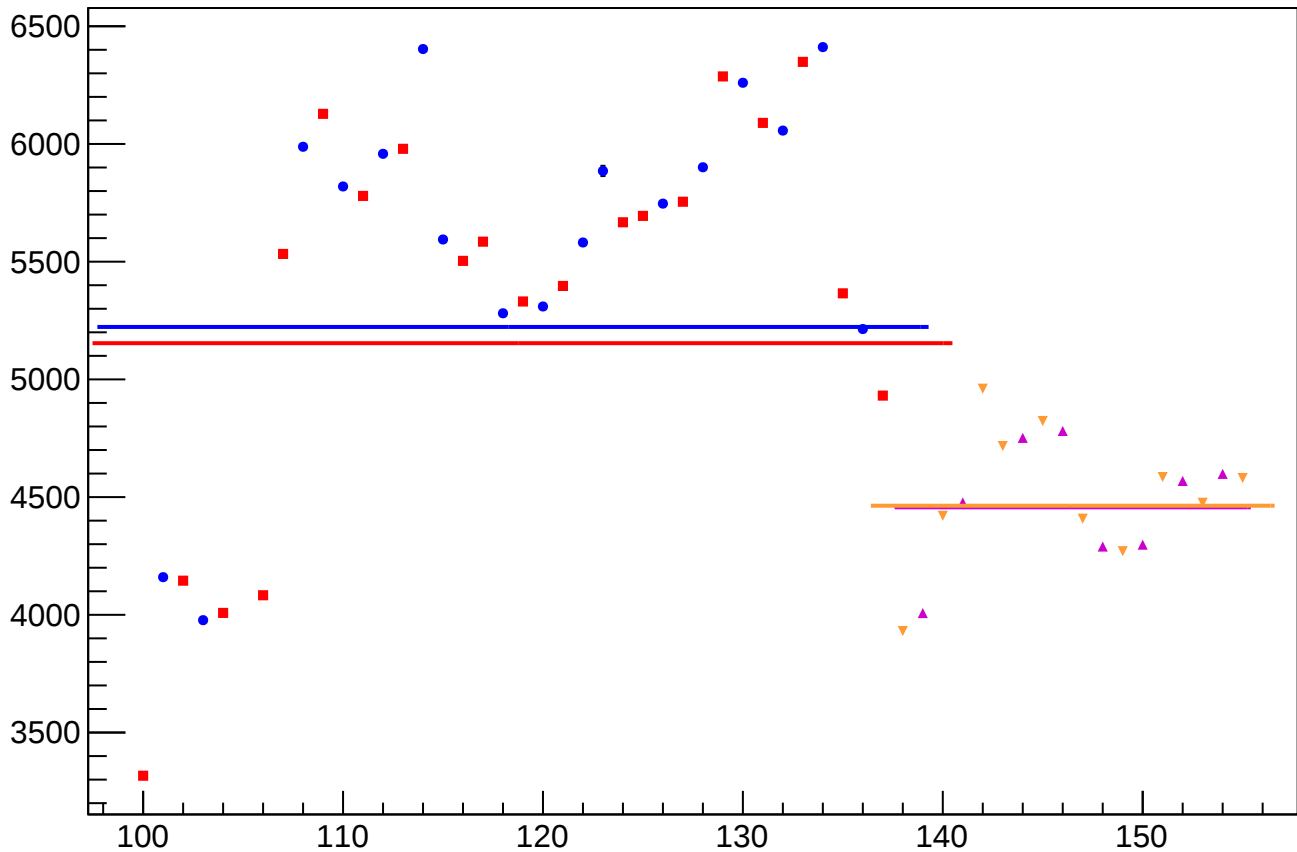
Left In: 9.673 $\pm$ 1.746 χ^2 /NDF: 23.1/7

5.298 $\pm$ 1.281 χ^2 /NDF: 223.1/26

8.662 $\pm$ 0.913 χ^2 /NDF: 336.0/54

12.133 $\pm$ 1.301 χ^2 /NDF: 98.9/27

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 5222.767 $\pm$ 1.440 χ^2 /NDF: 312497.9/16

Left Out: 4463.392 $\pm$ 1.165 χ^2 /NDF: 53803.0/9

Right Out: 5153.826 $\pm$ 1.379 χ^2 /NDF: 388205.9/19

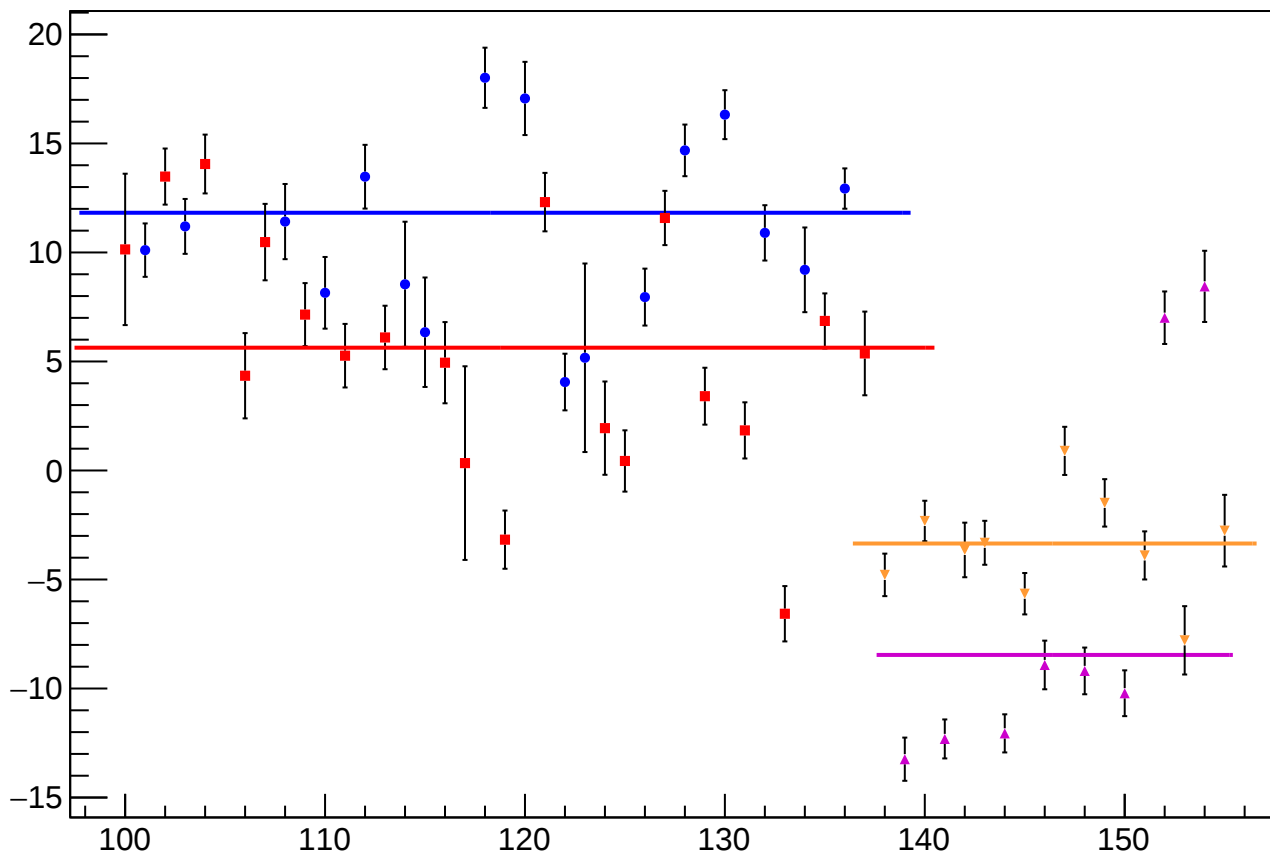
Left In: 4456.597 $\pm$ 1.235 χ^2 /NDF: 38504.4/7

4763.833 $\pm$ 0.905 χ^2 /NDF: 534465.2/26

4765.396 $\pm$ 0.645 χ^2 /NDF: 1103103.5/54

4767.008 $\pm$ 0.920 χ^2 /NDF: 568632.3/27

diff_bpm2i01X_mean vs Slug, Sign Corrected



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

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

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

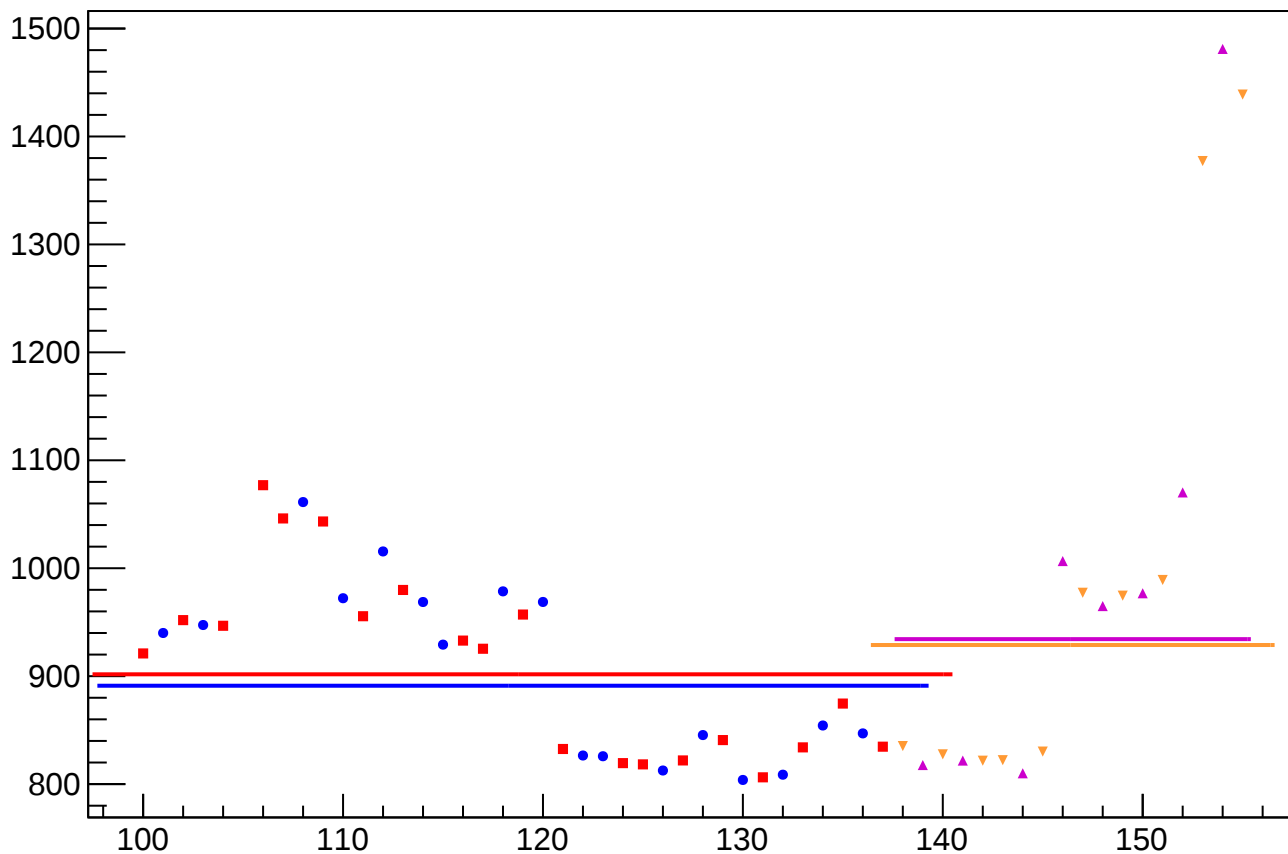
Left In: -8.460 $\pm$ 0.372 χ^2 /NDF: 334.3/7

4.333 $\pm$ 0.245 χ^2 /NDF: 1109.6/26

1.852 $\pm$ 0.175 χ^2 /NDF: 2741.5/54

-0.729 $\pm$ 0.250 χ^2 /NDF: 1422.8/27

diff_bpm2i01X_rms vs Slug, Sign Corrected



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

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

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

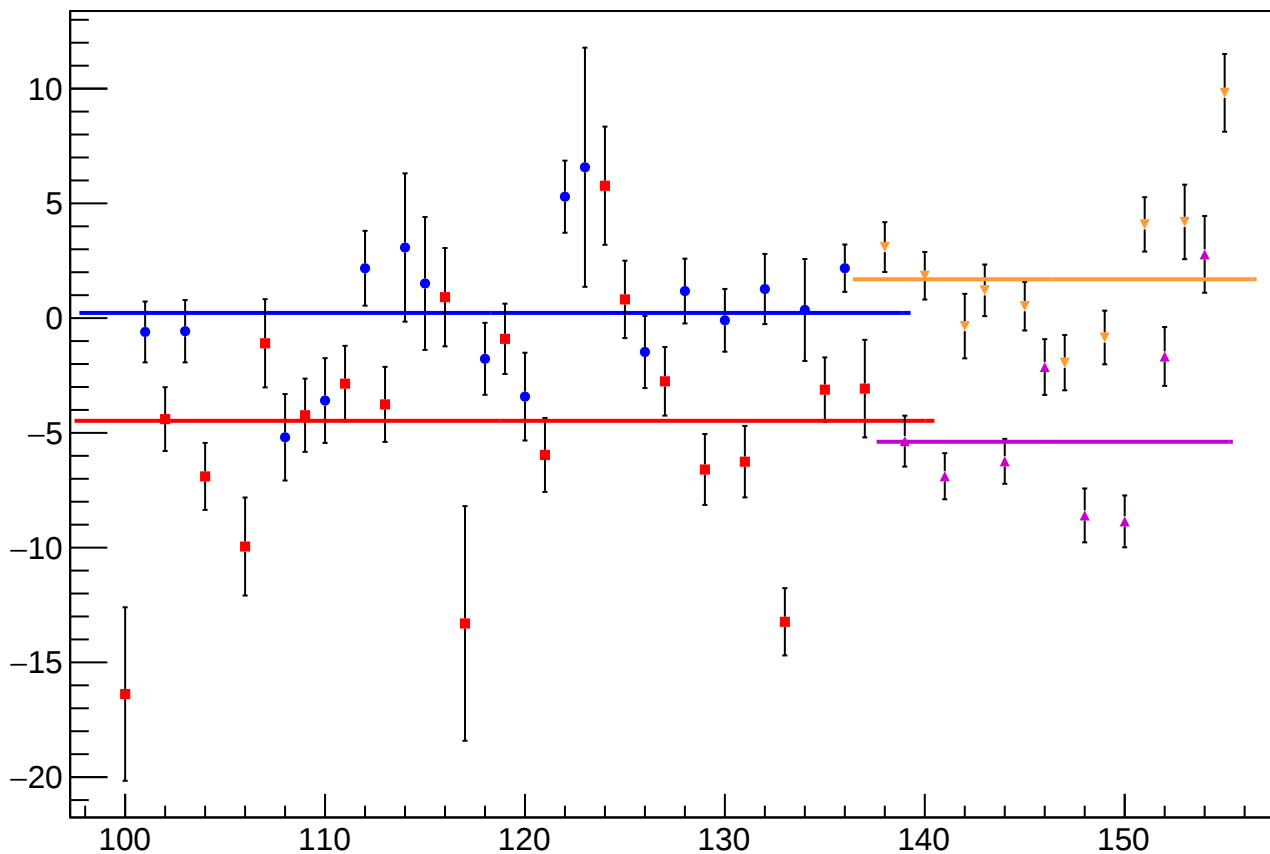
Left In: 934.314+/-0.263 χ^2/NDF : 362879.5/7

909.764+/-0.173 χ^2/NDF : 584104.9/26

913.035+/-0.124 χ^2/NDF : 1070776.1/54

916.435+/-0.177 χ^2/NDF : 485945.1/27

diff_bpm2i01Y_mean vs Slug, Sign Corrected



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

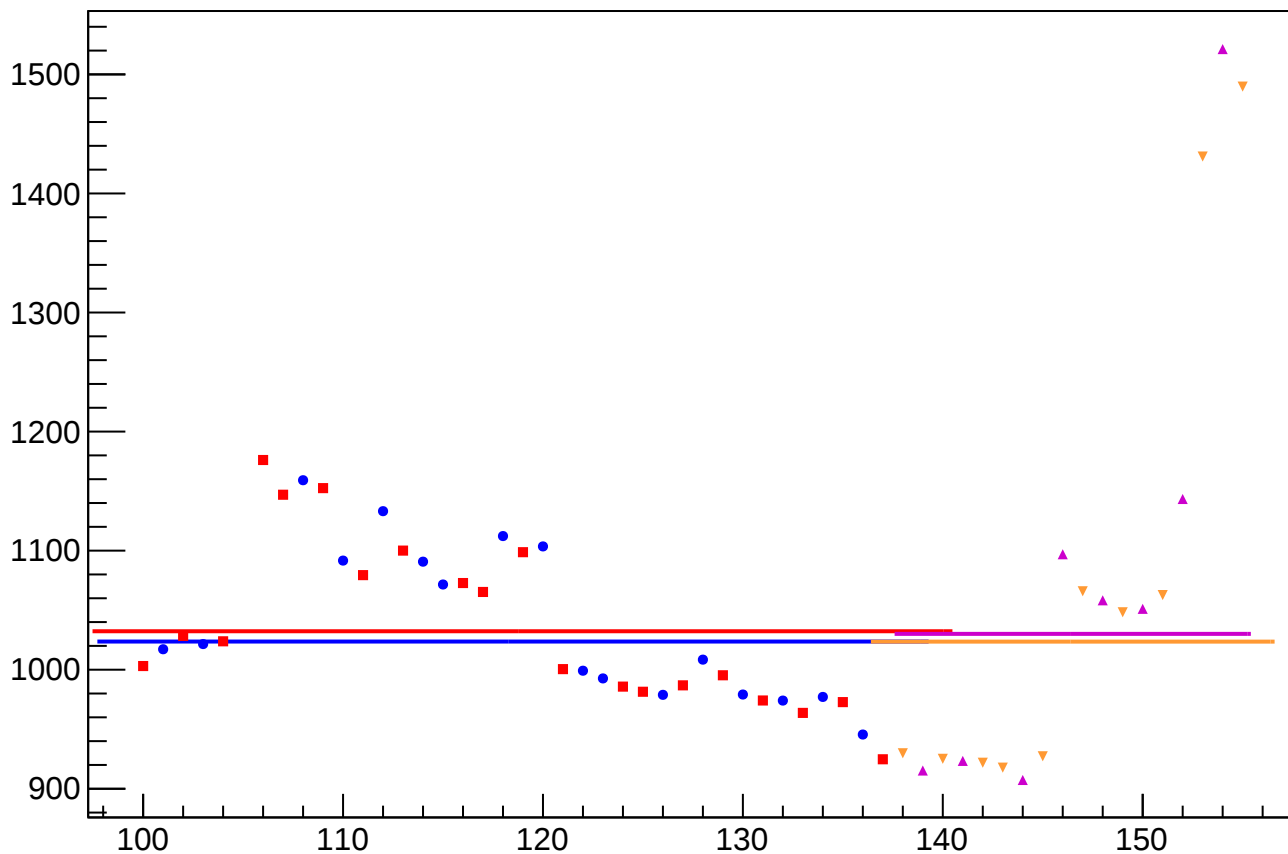
Left In: -5.388 ± 0.408 χ^2/NDF : 59.3/7

0.983 ± 0.275 χ^2/NDF : 94.1/26

-1.902 ± 0.196 χ^2/NDF : 487.2/54

-4.904 ± 0.280 χ^2/NDF : 168.3/27

diff_bpm2i01Y_rms vs Slug, Sign Corrected



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

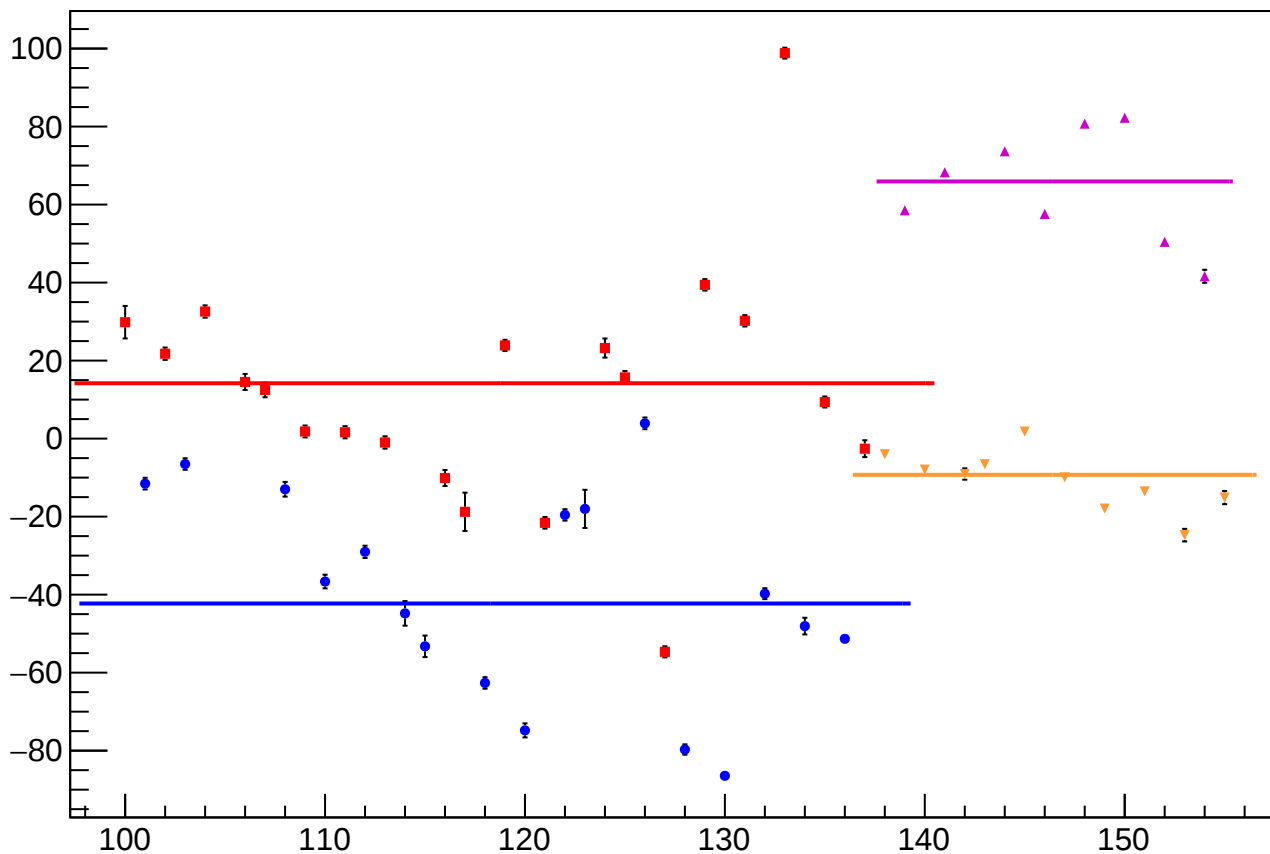
Left In: 1030.095+/-0.289 χ^2/NDF : 271407.4/7

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

1027.363+/-0.139 χ^2/NDF : 744801.2/54

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

diff_bpm2i02X_mean vs Slug, Sign Corrected



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

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

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

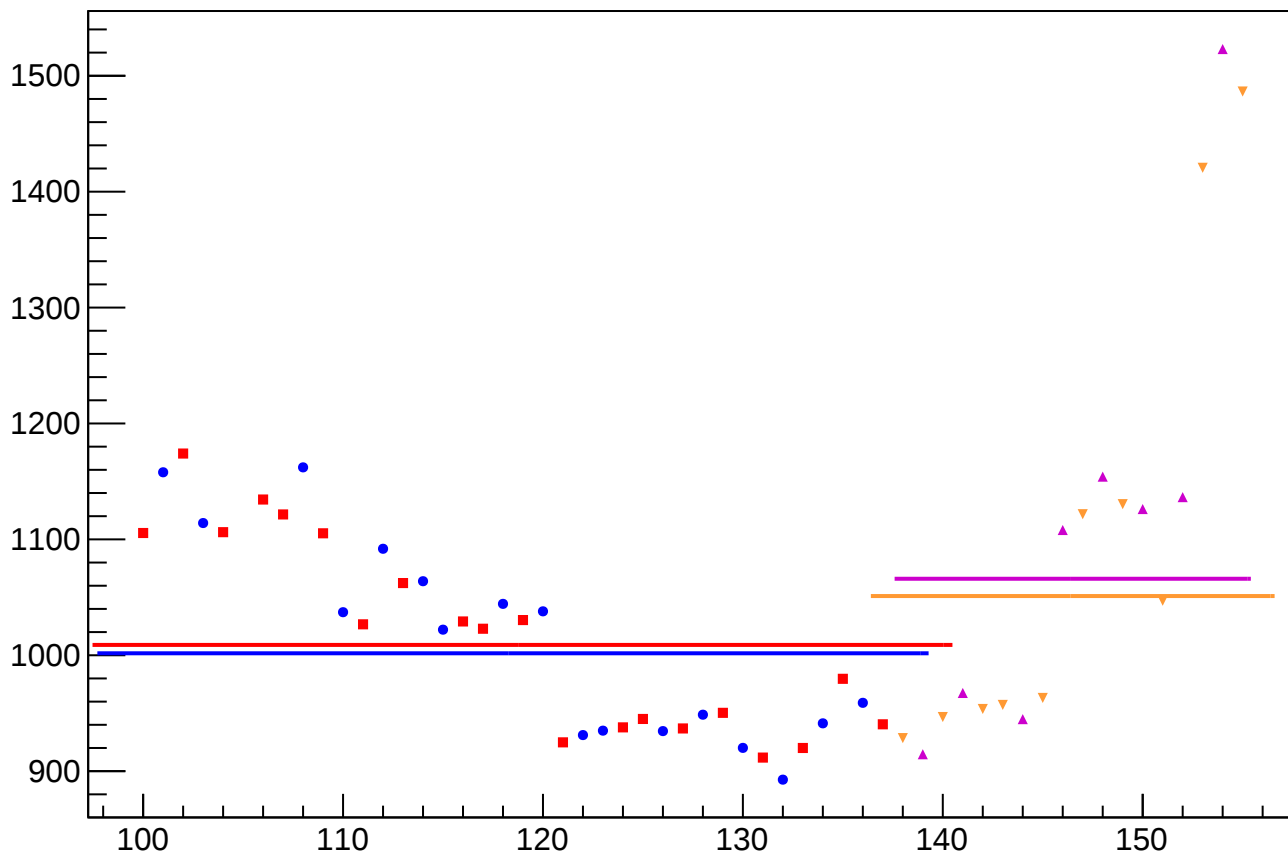
Left In: 65.927 +/- 0.422 χ^2/NDF : 826.2/7

-26.015 +/- 0.276 χ^2/NDF : 9004.7/26

4.921 +/- 0.197 χ^2/NDF : 51602.4/54

37.157 +/- 0.281 χ^2/NDF : 16882.7/27

diff_bpm2i02X_rms vs Slug, Sign Corrected



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

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

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

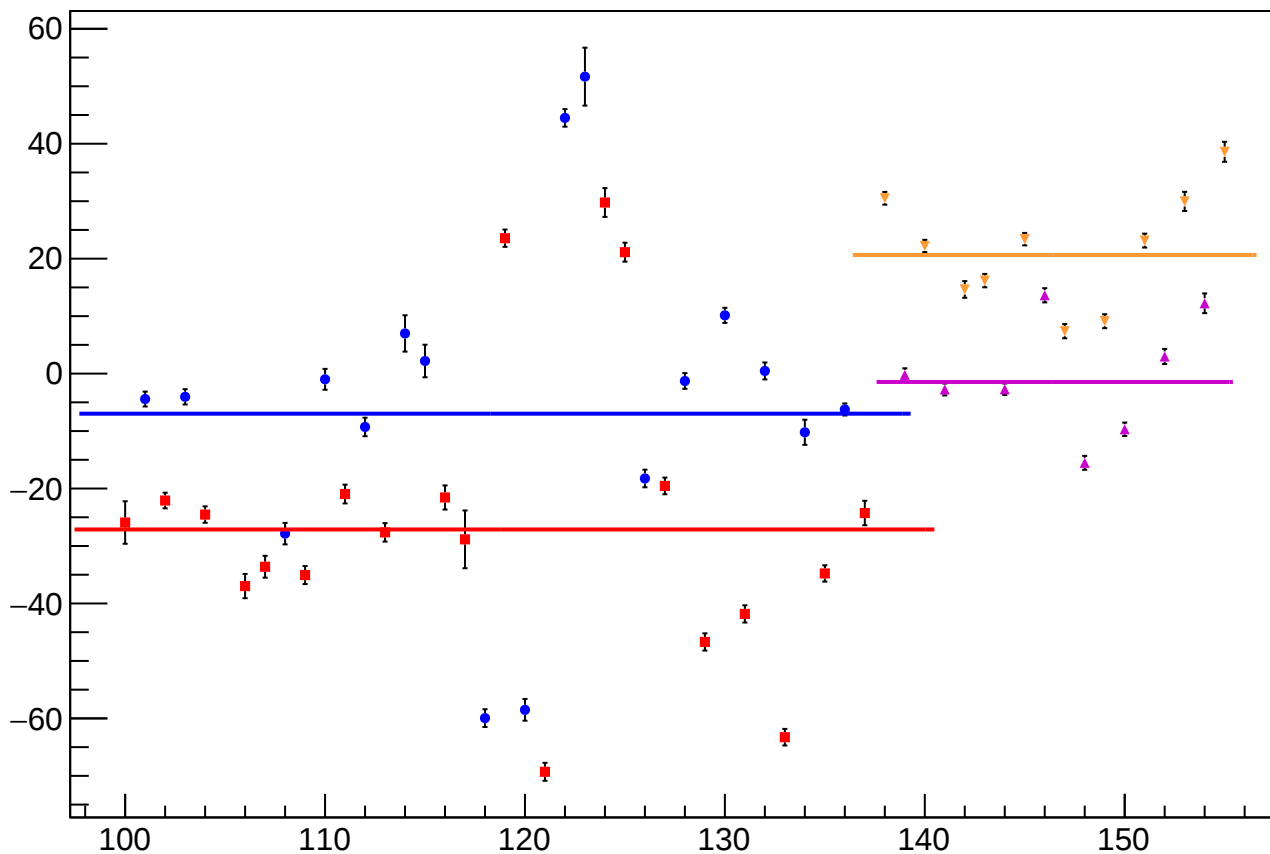
Left In: 1066.014 $\pm$ 0.299 χ^2 /NDF: 254598.2/7

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

1030.074 $\pm$ 0.139 χ^2 /NDF: 813334.5/54

1034.267 $\pm$ 0.199 χ^2 /NDF: 370279.1/27

diff_bpm2i02Y_mean vs Slug, Sign Corrected



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

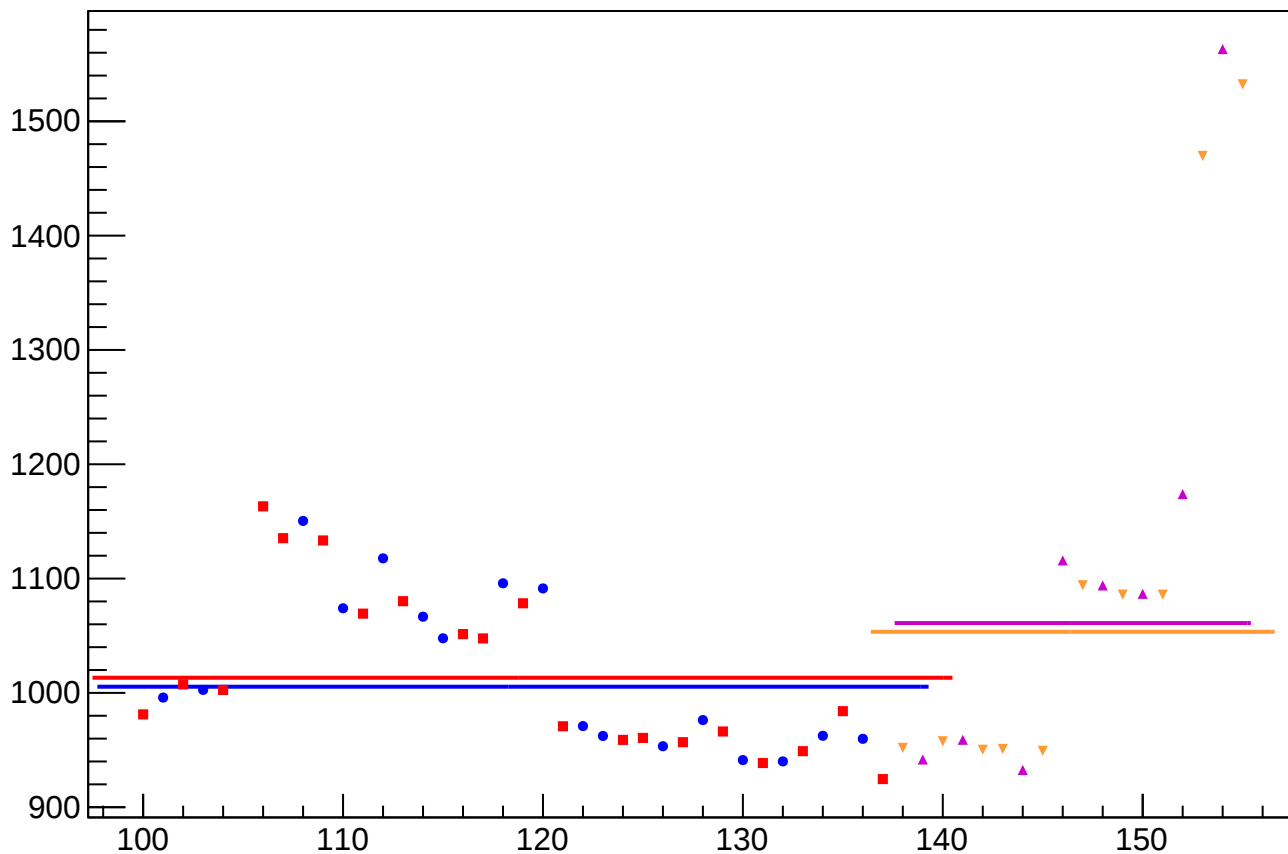
Left In: -1.455±/0.421 χ^2/NDF : 412.2/7

6.628±/0.276 χ^2/NDF : 6599.3/26

-4.305±/0.197 χ^2/NDF : 16540.9/54

-15.636±/0.281 χ^2/NDF : 6754.5/27

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 1005.409 ± 0.274 $\chi^2/\text{NDF}: 54586.0/16$

Left Out: 1053.468 ± 0.278 $\chi^2/\text{NDF}: 357692.4/9$

Right Out: 1013.260 ± 0.268 $\chi^2/\text{NDF}: 63359.8/19$

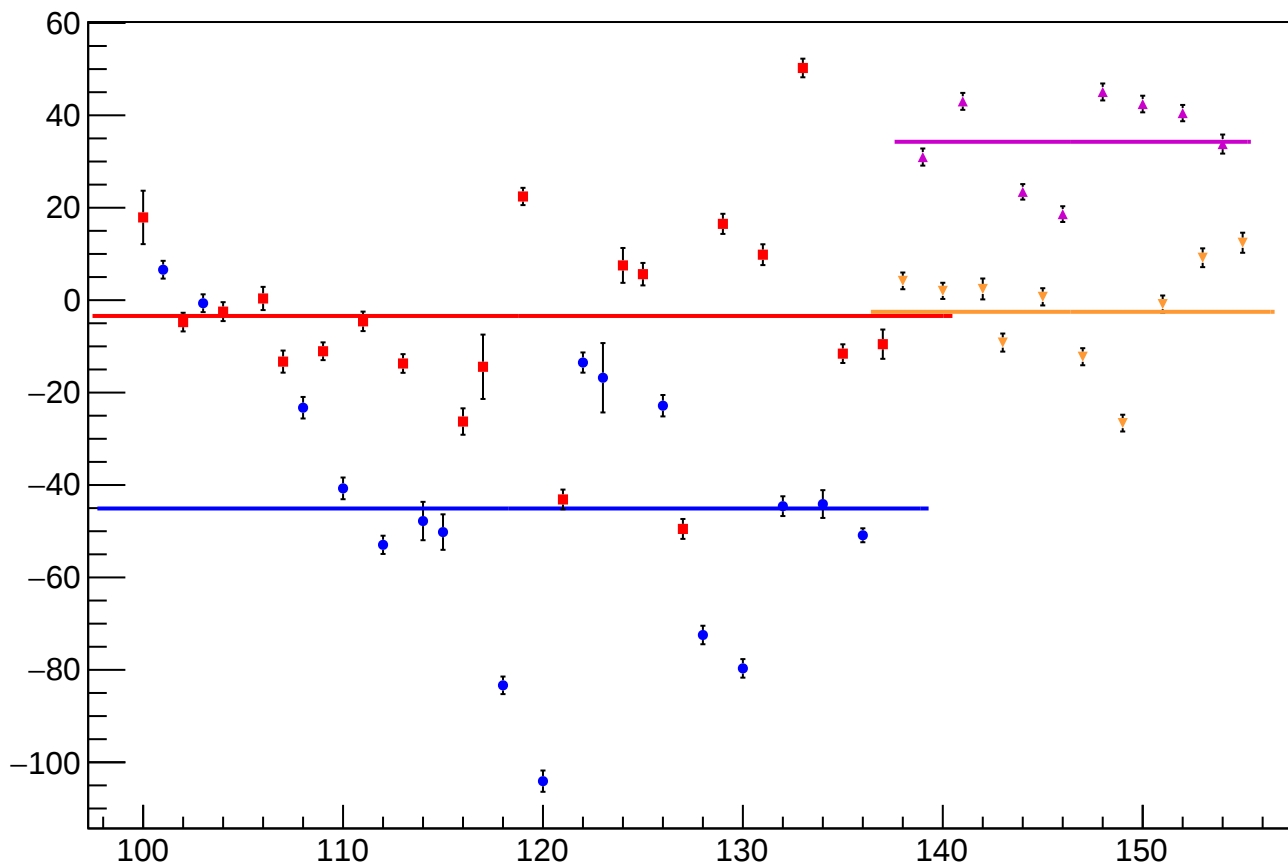
Left In: 1061.101 ± 0.297 $\chi^2/\text{NDF}: 265509.6/7$

1029.080 ± 0.195 $\chi^2/\text{NDF}: 427395.2/26$

1031.827 ± 0.139 $\chi^2/\text{NDF}: 770966.9/54$

1034.673 ± 0.199 $\chi^2/\text{NDF}: 343169.6/27$

diff_bpm0i02X_mean vs Slug, Sign Corrected



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

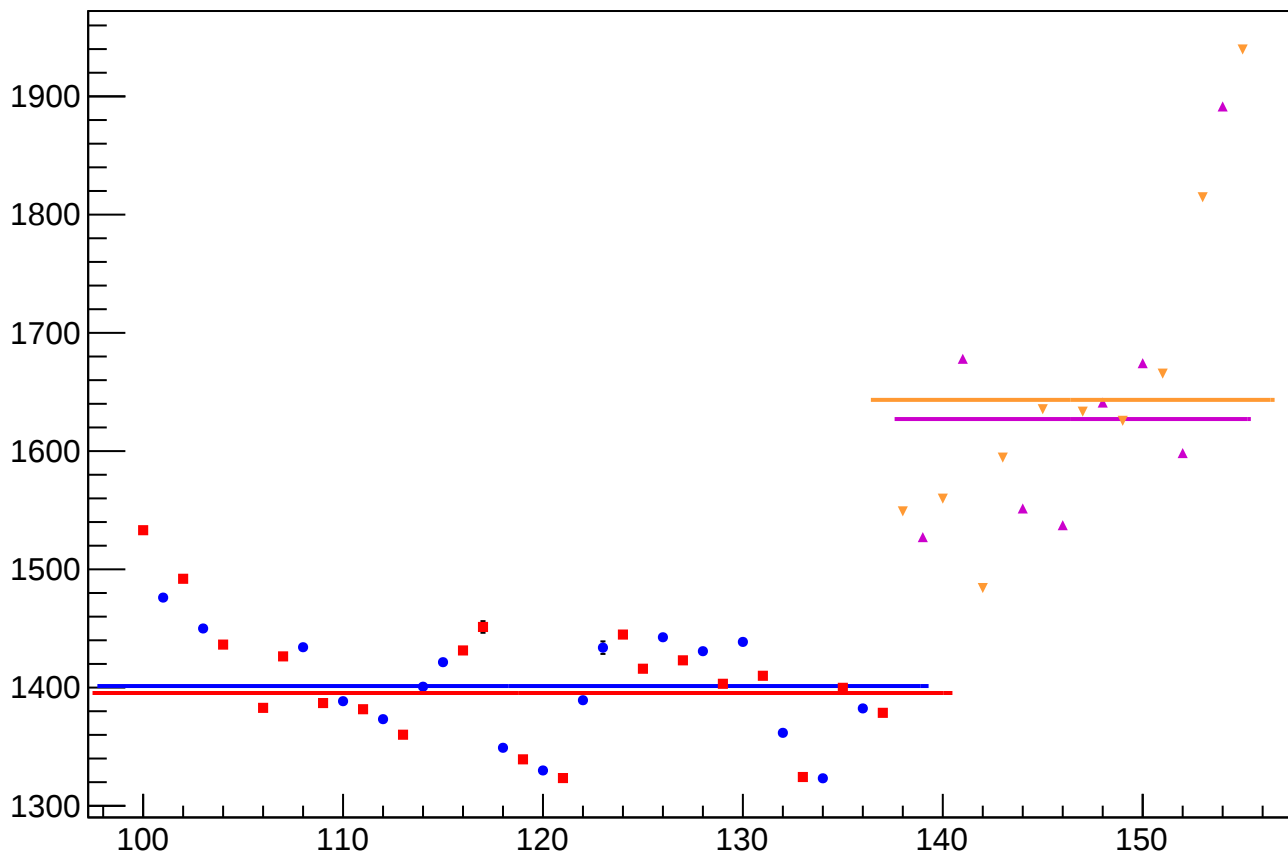
Left In: 34.271+/-0.639 χ^2/NDF : 219.7/7

-26.278+/-0.403 χ^2/NDF : 6310.4/26

-7.336+/-0.285 χ^2/NDF : 15047.3/54

11.621+/-0.403 χ^2/NDF : 4321.5/27

diff_bpm0i02X_rms vs Slug, Sign Corrected



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

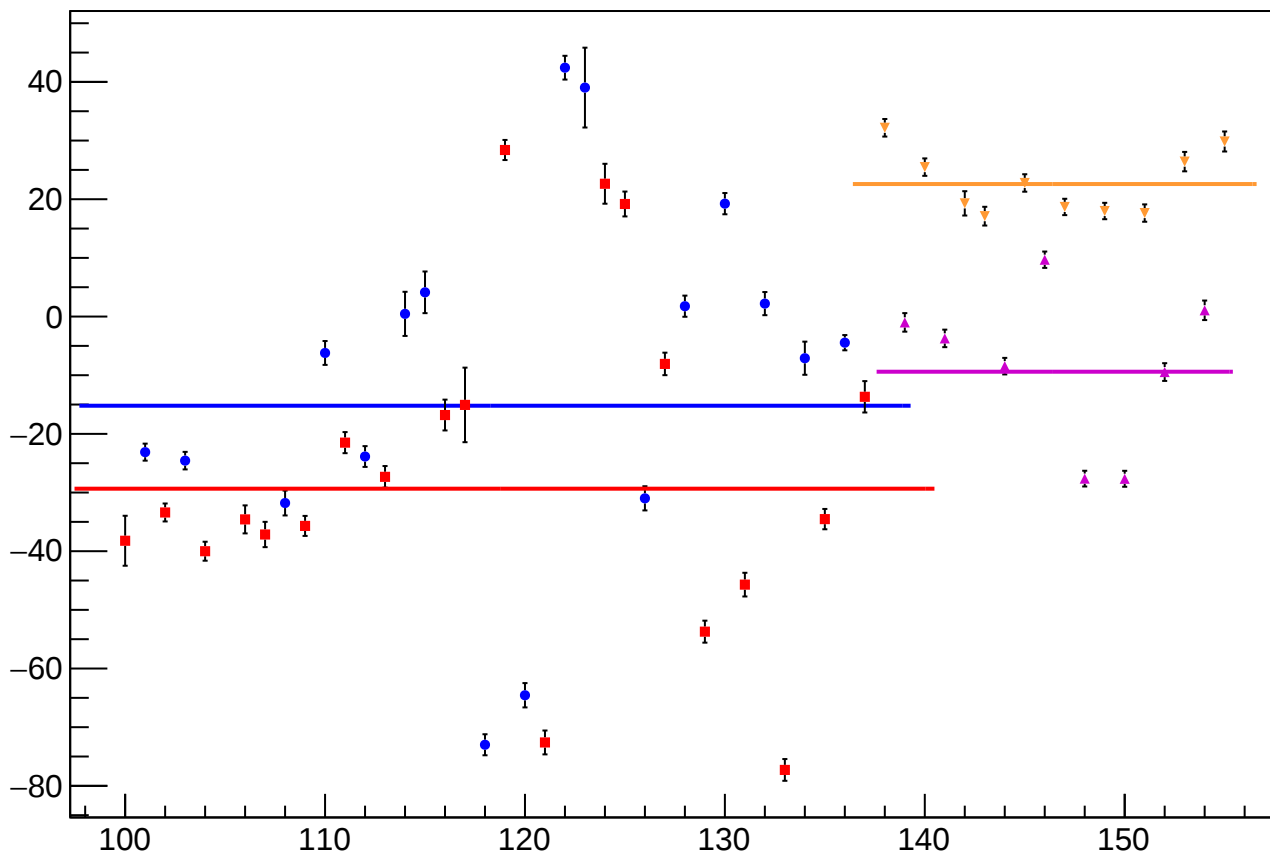
Left In: 1627.120 +/- 0.452 χ^2/NDF : 51941.2/7

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

1498.060 +/- 0.202 χ^2/NDF : 492053.9/54

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

diff_bpm0i02Y_mean vs Slug, Sign Corrected



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

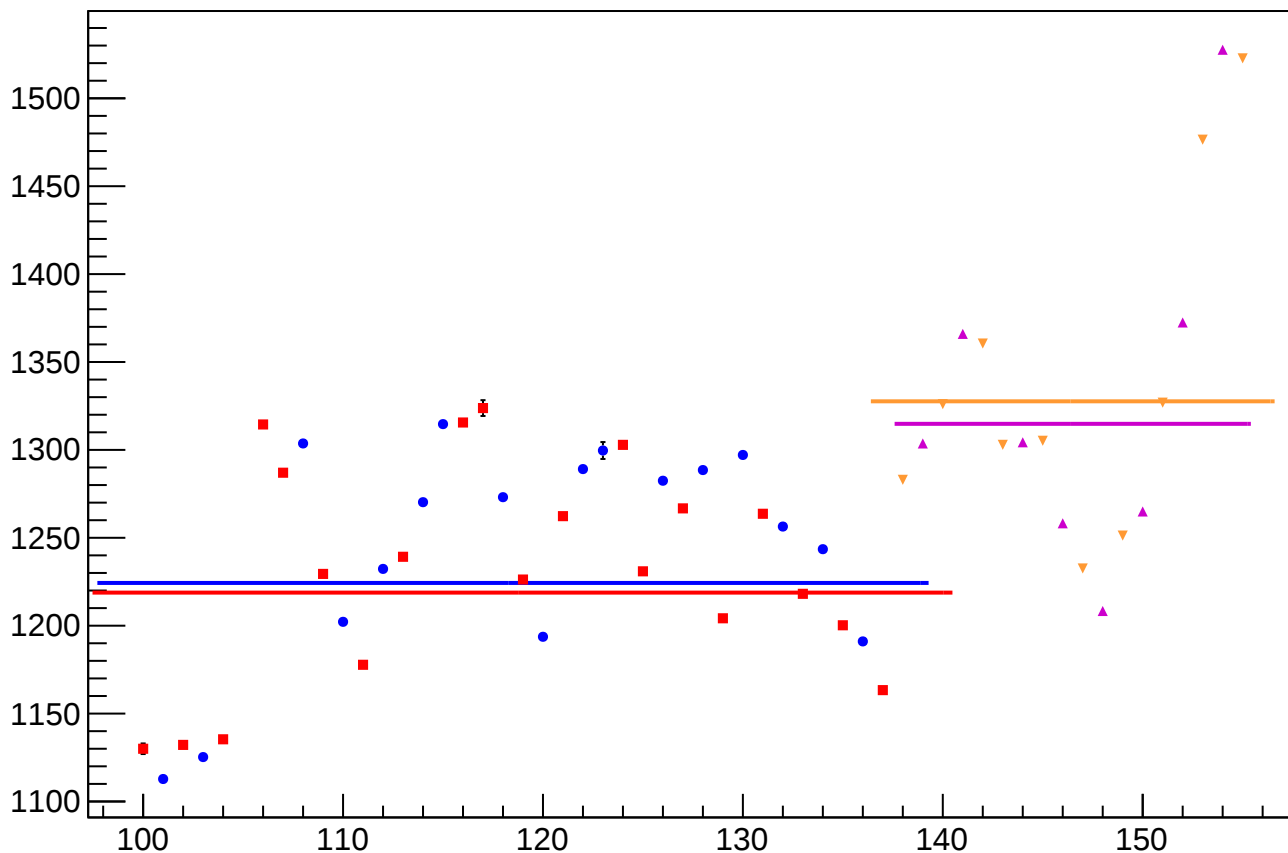
Left In: -9.404 $\pm$ 0.516 χ^2/NDF :635.4/7

2.998 $\pm$ 0.340 χ^2/NDF : 6560.5/26

-8.765 $\pm$ 0.241 χ^2/NDF : 13990.5/54

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

diff_bpm0i02Y_rms vs Slug, Sign Corrected



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

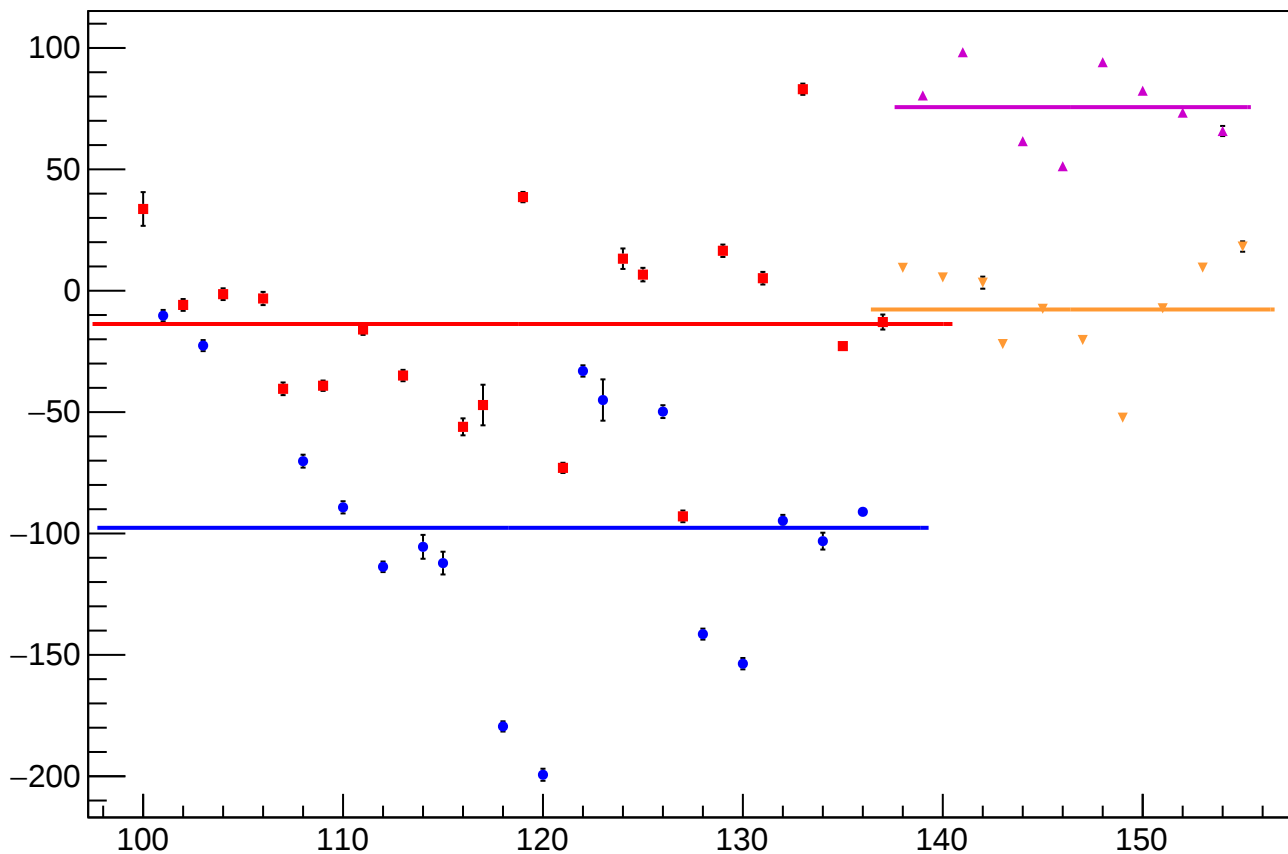
Left In: 1314.825+/-0.365 χ^2/NDF : 56758.5/7

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

1267.492+/-0.170 χ^2/NDF : 271122.5/54

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

diff_bpm0i02aX_mean vs Slug, Sign Corrected



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

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

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

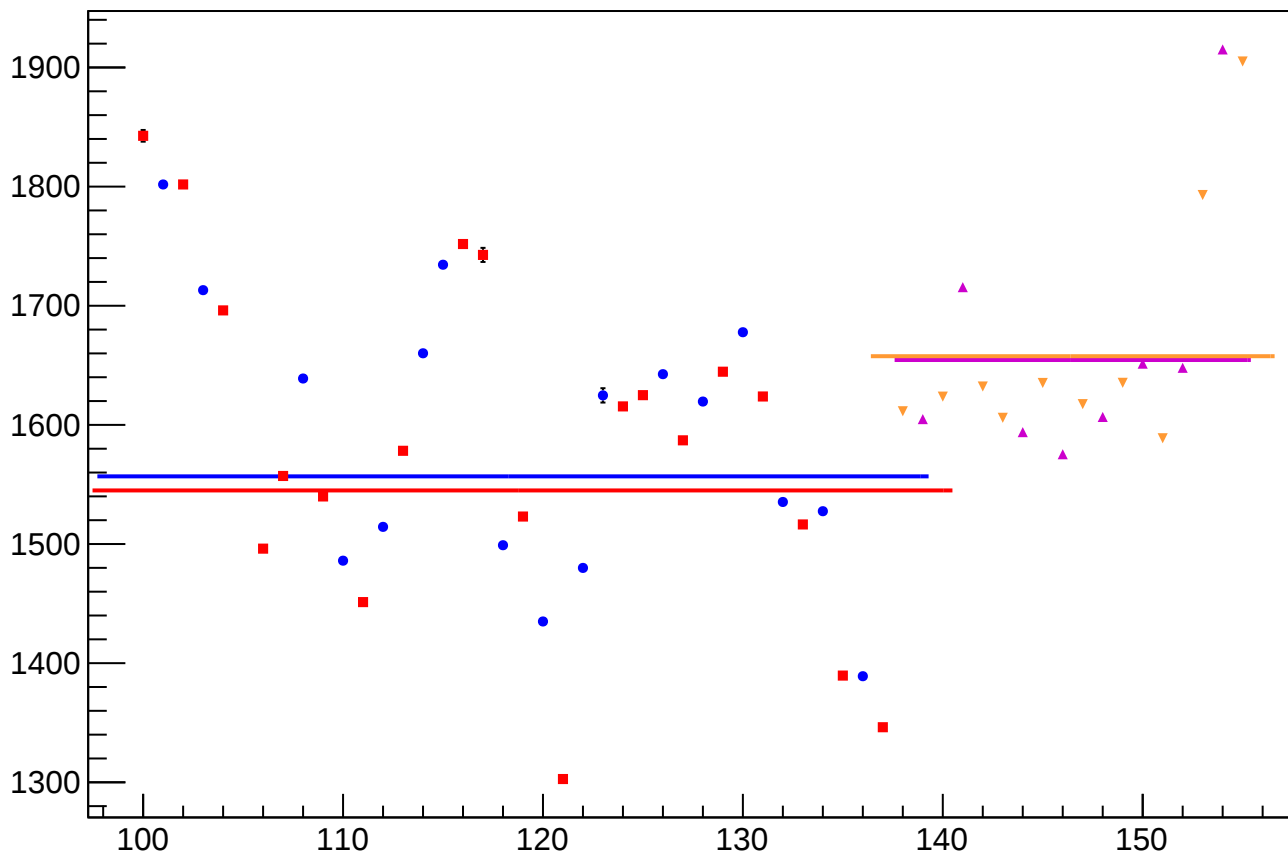
Left In: 75.631 $\pm$ 0.649 χ^2 /NDF: 558.3/7

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

-14.054 $\pm$ 0.304 χ^2 /NDF: 53272.2/54

25.844 $\pm$ 0.431 χ^2 /NDF: 16276.1/27

diff_bpm0i02aX_rms vs Slug, Sign Corrected



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

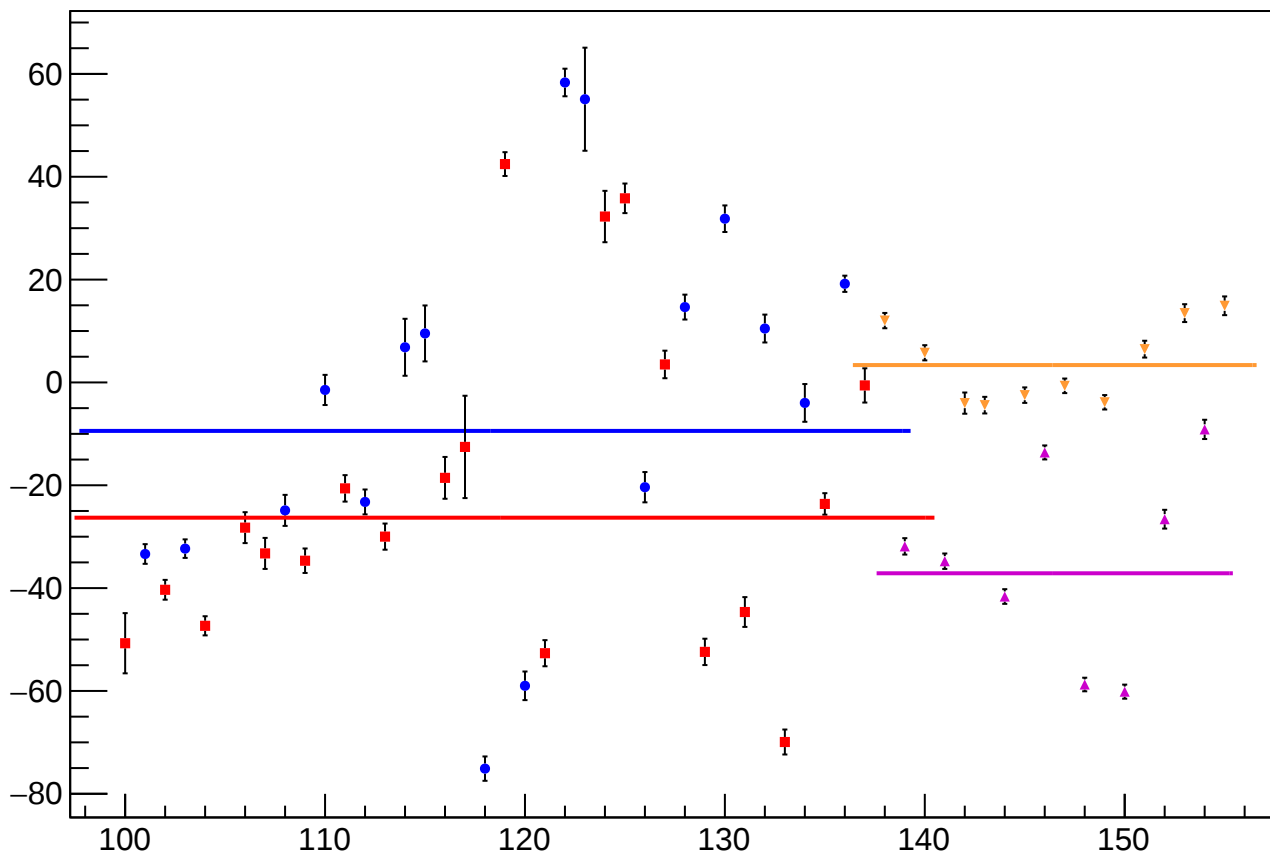
Left In: 1654.465 +/- 0.459 χ^2/NDF : 42734.9/7

1606.372 +/- 0.303 χ^2/NDF : 153138.8/26

1599.950 +/- 0.215 χ^2/NDF : 330166.4/54

1593.446 +/- 0.305 χ^2/NDF : 176124.6/27

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -9.427 $\pm$ 0.626 χ^2/NDF : 2924.1/16

Left Out: 3.378 $\pm$ 0.501 χ^2/NDF : 199.9/9

Right Out: -26.304 $\pm$ 0.602 χ^2/NDF : 2474.0/19

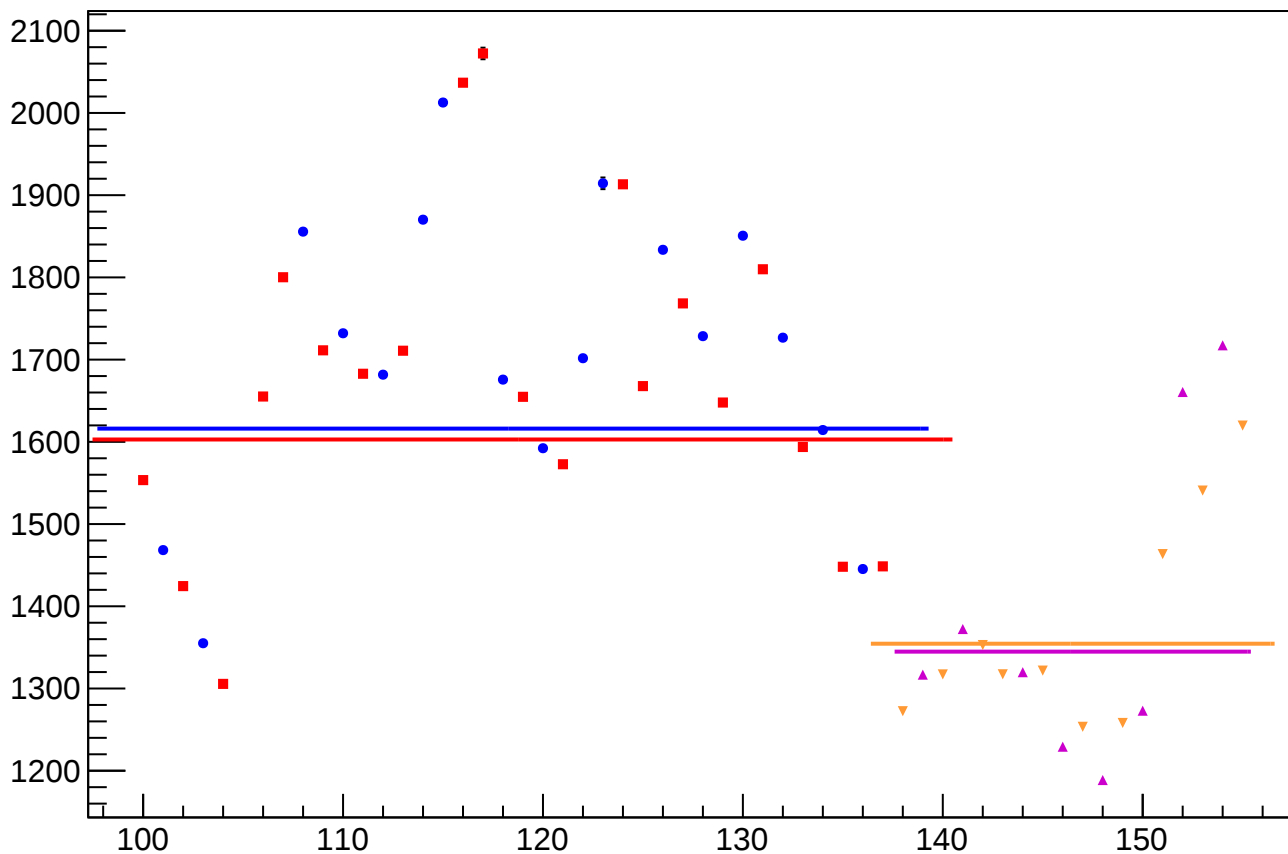
Left In: -37.115 $\pm$ 0.530 χ^2/NDF : 1127.7/7

-1.619 $\pm$ 0.391 χ^2/NDF : 3378.7/26

-16.754 $\pm$ 0.279 χ^2/NDF : 10203.1/54

-32.390 $\pm$ 0.398 χ^2/NDF : 3783.4/27

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1616.094 $\pm$ 0.443 χ^2 /NDF: 149596.3/16

Left Out: 1354.483 $\pm$ 0.354 χ^2 /NDF:103329.2/9

Right Out: 1602.857 $\pm$ 0.425 χ^2 /NDF: 158119.5/19

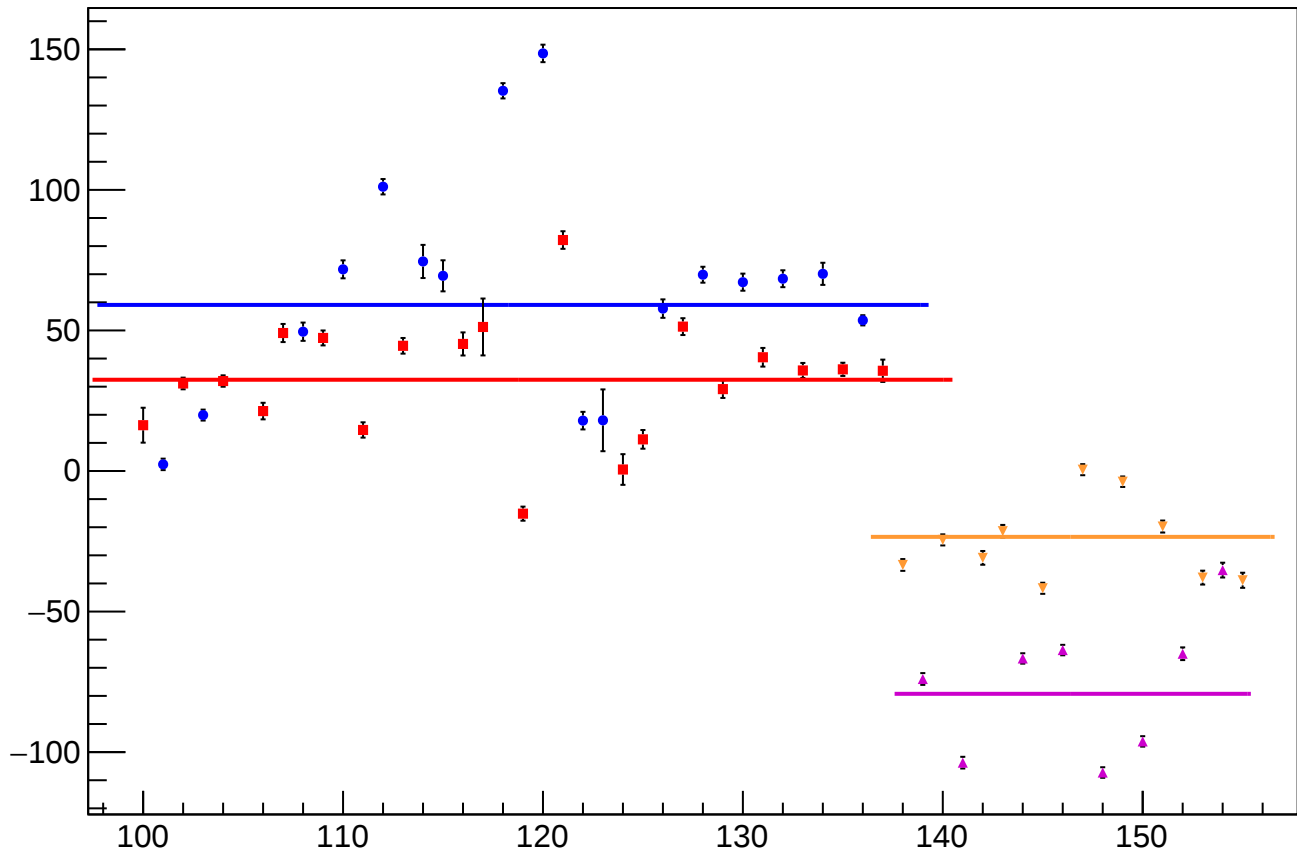
Left In: 1344.833 $\pm$ 0.375 χ^2 /NDF:188685.7/7

1456.573 $\pm$ 0.277 χ^2 /NDF: 465603.1/26

1457.076 $\pm$ 0.197 χ^2 /NDF: 1019476.4/54

1457.594 $\pm$ 0.281 χ^2 /NDF: 553866.6/27

diff_bpm0i05X_mean vs Slug, Sign Corrected



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

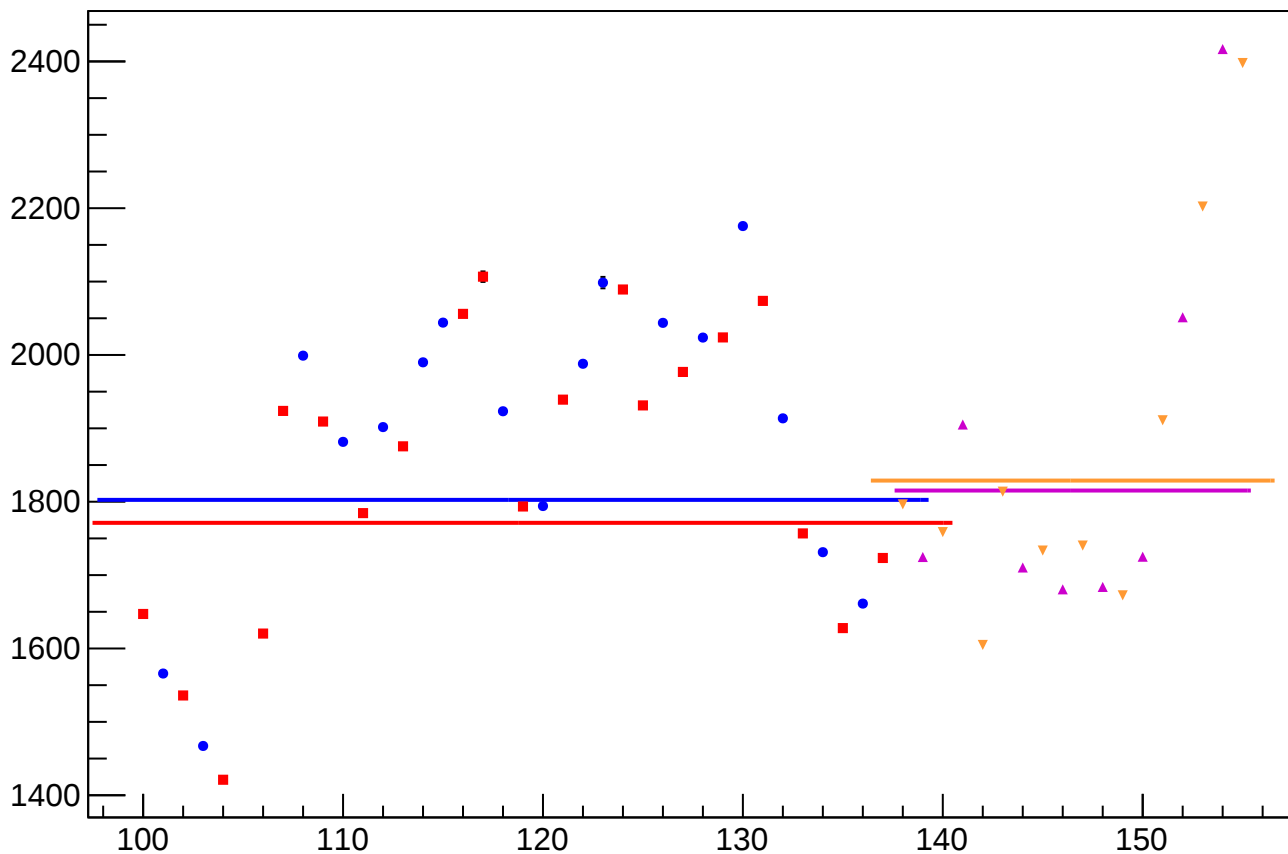
Left In: -79.260 +/- 0.715 χ^2/NDF : 885.3/7

16.569 +/- 0.487 χ^2/NDF : 10909.6/26

-1.374 +/- 0.344 χ^2/NDF : 28487.8/54

-19.325 +/- 0.487 χ^2/NDF : 14862.4/27

diff_bpm0i05X_rms vs Slug, Sign Corrected



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

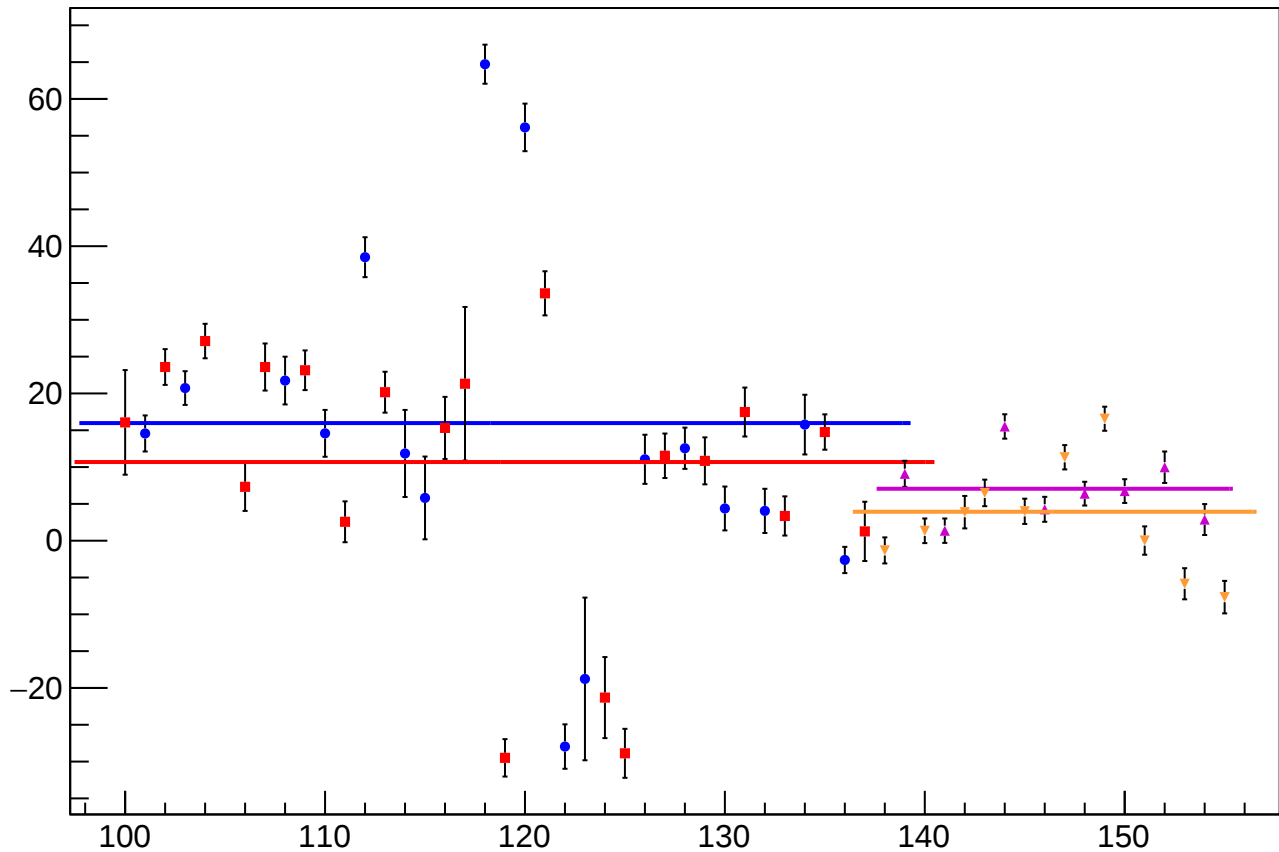
Left In: 1815.249 +/- 0.506 χ^2/NDF : 165032.7/7

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

1803.857 +/- 0.244 χ^2/NDF : 718043.4/54

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

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 15.976 $\pm$ 0.722 χ^2/NDF : 938.4/16

Left Out: 3.933 $\pm$ 0.580 χ^2/NDF : 146.1/9

Right Out: 10.685 $\pm$ 0.692 χ^2/NDF : 643.2/19

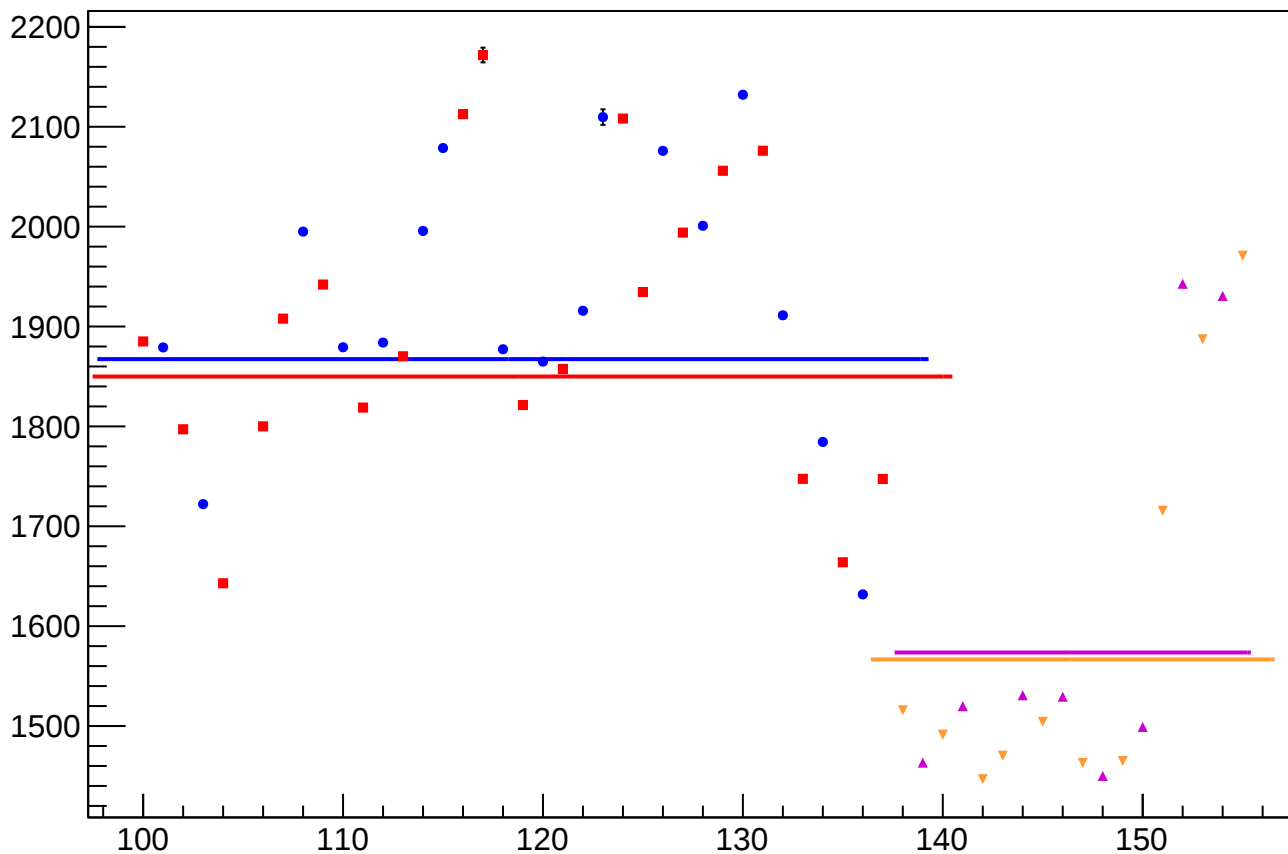
Left In: 7.055 $\pm$ 0.619 χ^2/NDF : 48.0/7

8.663 $\pm$ 0.452 χ^2/NDF : 1253.6/26

8.666 $\pm$ 0.323 χ^2/NDF : 1960.0/54

8.669 $\pm$ 0.461 χ^2/NDF : 706.5/27

diff_bpm0i05Y_rms vs Slug, Sign Corrected



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

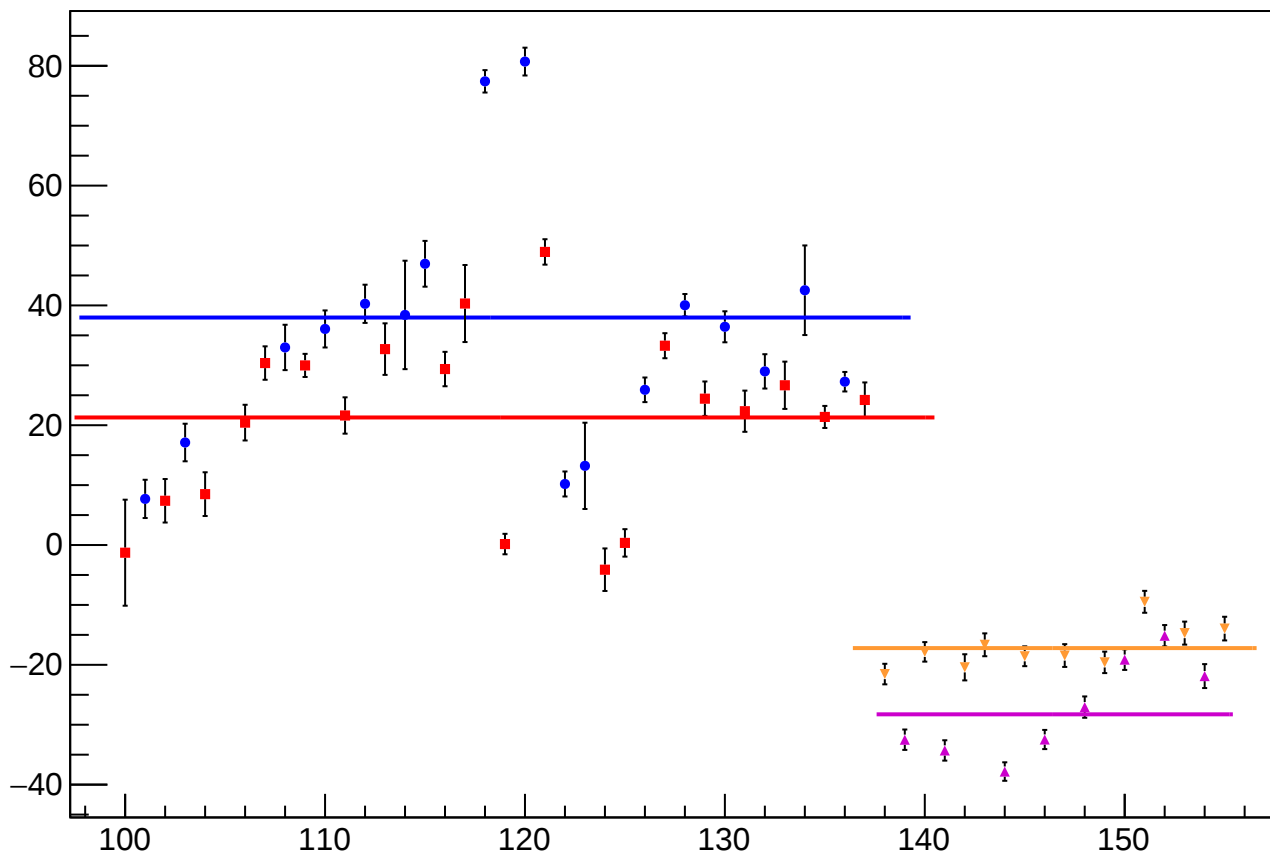
Left In: 1573.634 $\pm$ 0.438 χ^2/NDF : 146120.6/7

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

1690.500 $\pm$ 0.228 χ^2/NDF : 850796.9/54

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

diff_bpm0i07X_mean vs Slug, Sign Corrected



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

Left Out: -17.207 ± 0.579 $\chi^2/\text{NDF}: 33.9/9$

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

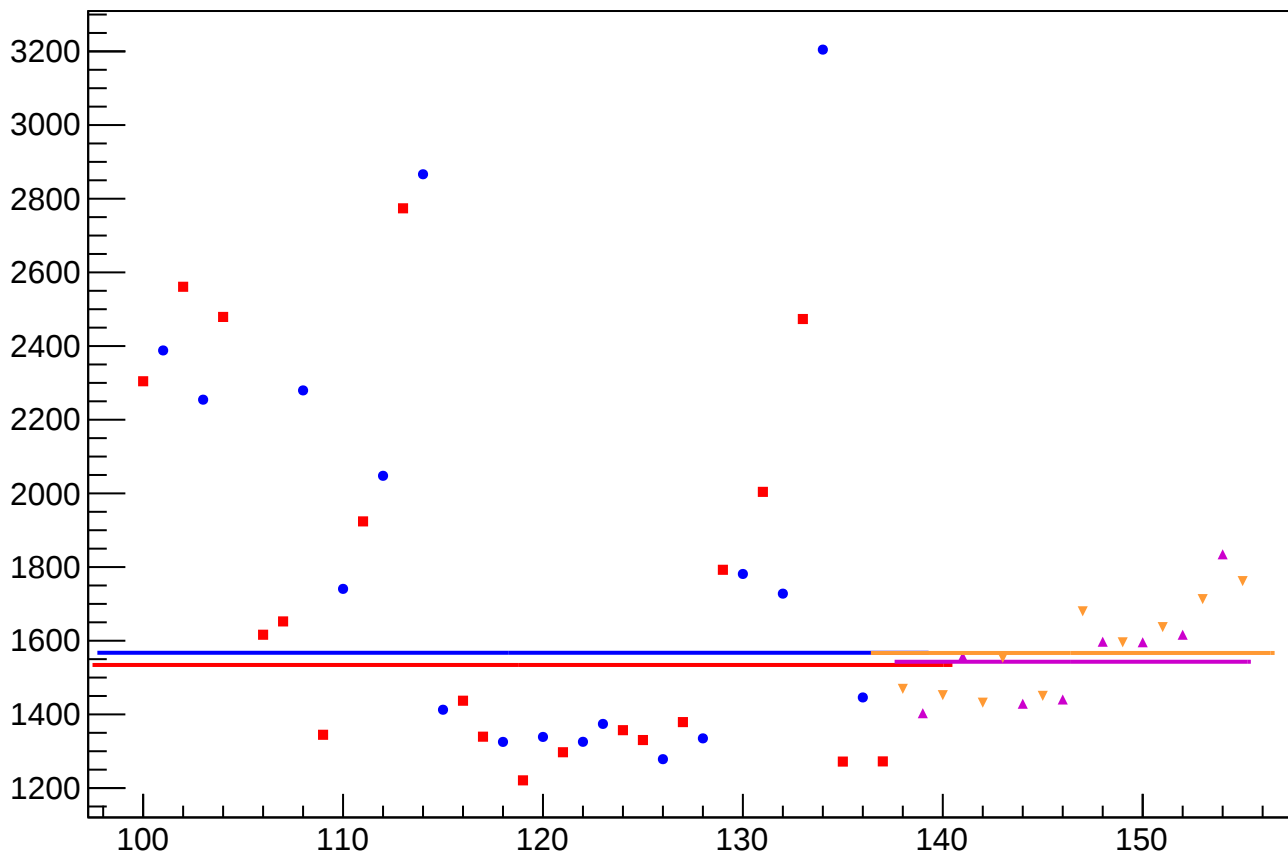
Left In: -28.264 ± 0.606 $\chi^2/\text{NDF}: 157.0/7$

7.753 ± 0.429 $\chi^2/\text{NDF}: 5344.3/26$

2.146 ± 0.303 $\chi^2/\text{NDF}: 9770.2/54$

-3.458 ± 0.428 $\chi^2/\text{NDF}: 4083.8/27$

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1567.328 $\pm$ 0.451 χ^2 /NDF: 673450.6/16

Left Out: 1566.791 $\pm$ 0.410 χ^2 /NDF: 75629.1/9

Right Out: 1534.225 $\pm$ 0.428 χ^2 /NDF: 883947.6/19

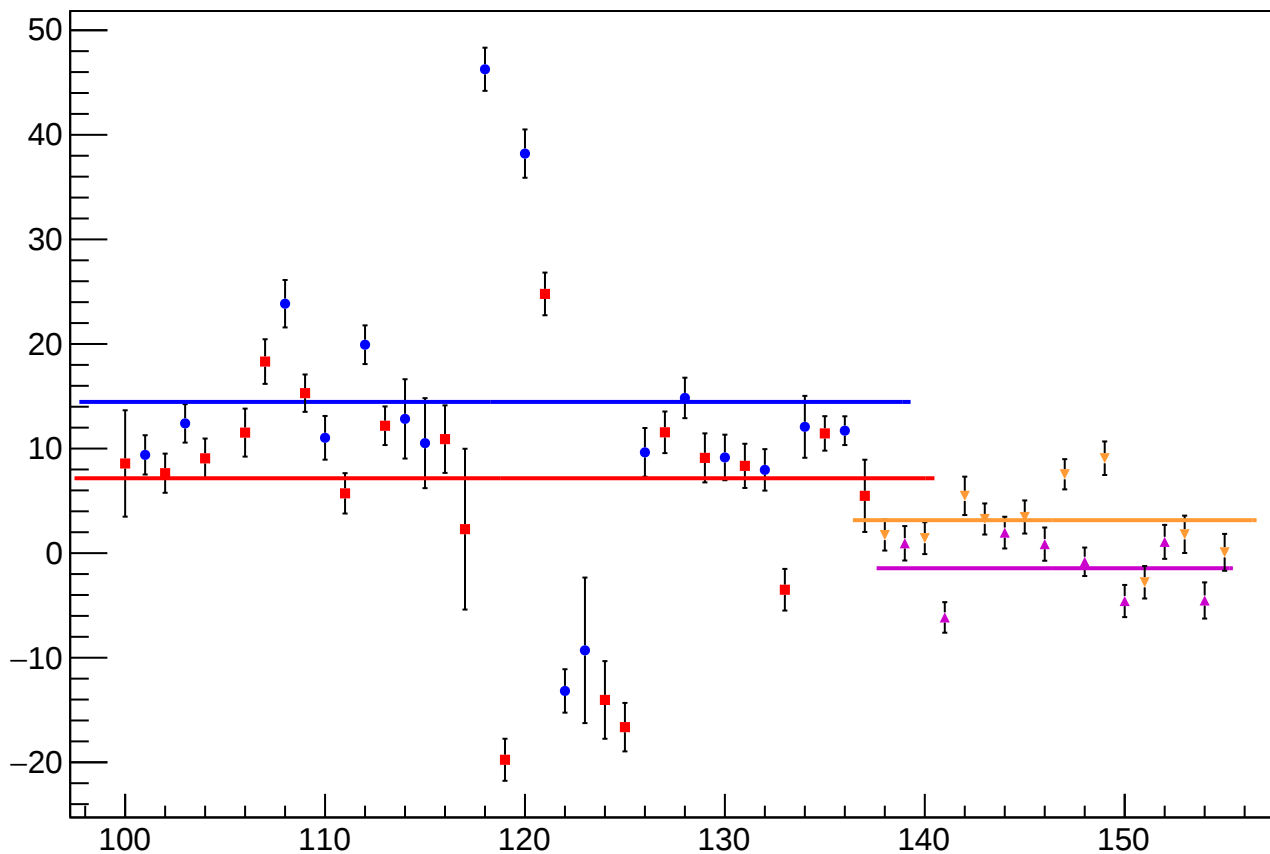
Left In: 1542.937 $\pm$ 0.429 χ^2 /NDF: 82463.4/7

1567.034 $\pm$ 0.303 χ^2 /NDF: 749080.6/26

1552.800 $\pm$ 0.214 χ^2 /NDF: 1720107.6/54

1538.576 $\pm$ 0.303 χ^2 /NDF: 966617.7/27

diff_bpm0i07Y_mean vs Slug, Sign Corrected



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

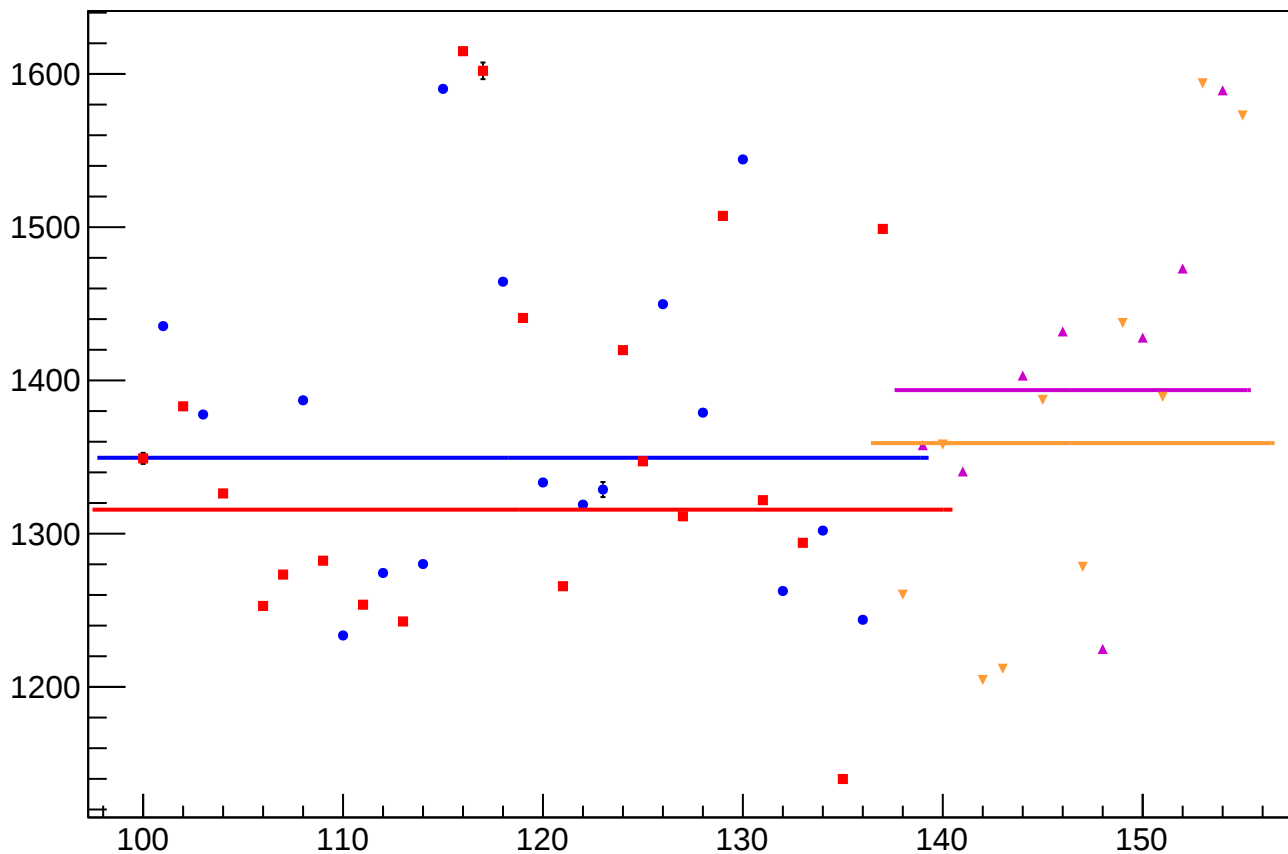
Left In: -1.443 ± 0.547 χ^2/NDF : 29.6/7

8.584 ± 0.363 χ^2/NDF : 883.7/26

5.969 ± 0.258 χ^2/NDF : 1650.8/54

3.301 ± 0.366 χ^2/NDF : 662.1/27

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.522 $\pm$ 0.370 χ^2 /NDF: 64667.6/16

Left Out: 1359.109 $\pm$ 0.356 χ^2 /NDF: 119096.9/9

Right Out: 1315.669 $\pm$ 0.349 χ^2 /NDF: 83739.0/19

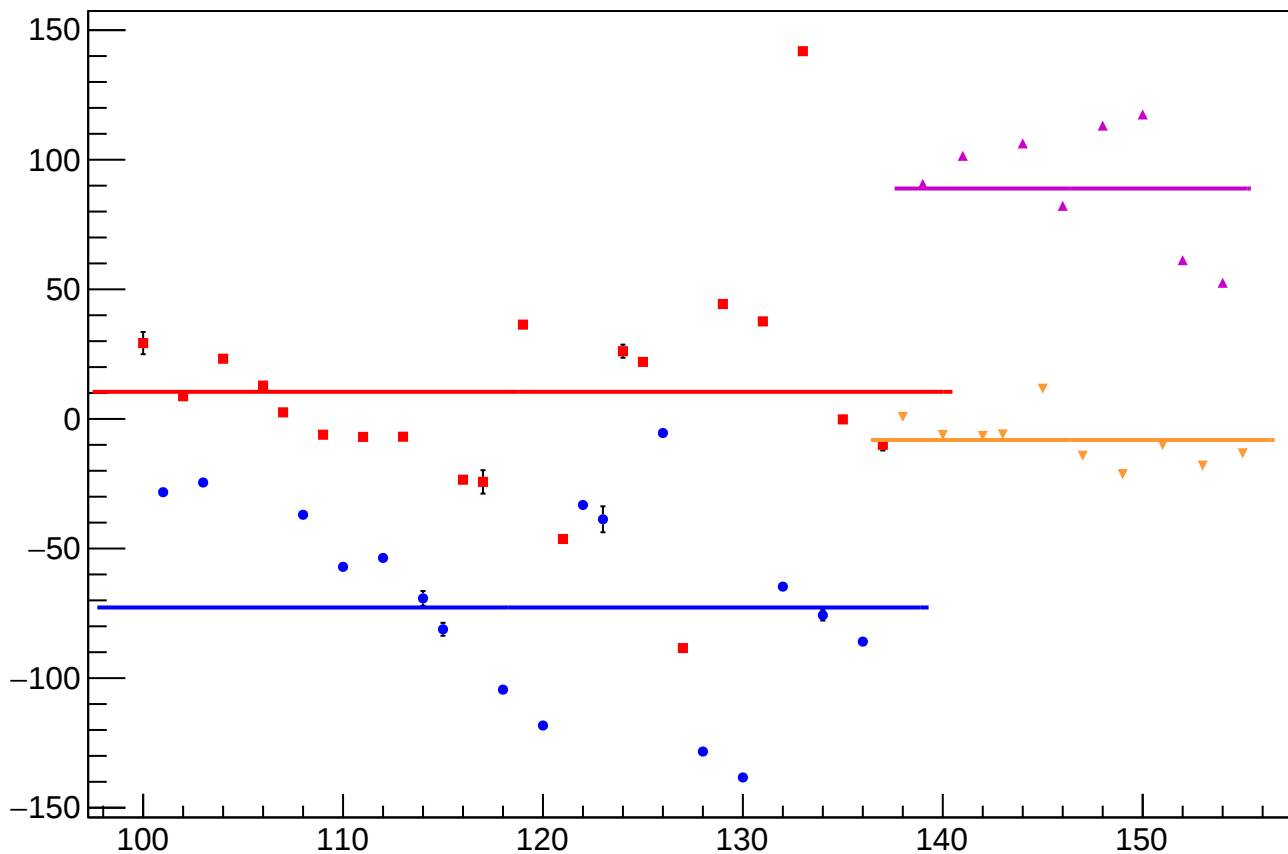
Left In: 1393.684 $\pm$ 0.387 χ^2 /NDF: 66958.0/7

1354.504 $\pm$ 0.256 χ^2 /NDF: 184113.4/26

1352.606 $\pm$ 0.182 χ^2 /NDF: 357358.7/54

1350.669 $\pm$ 0.259 χ^2 /NDF: 173134.6/27

diff_bpm1i02X_mean vs Slug, Sign Corrected



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

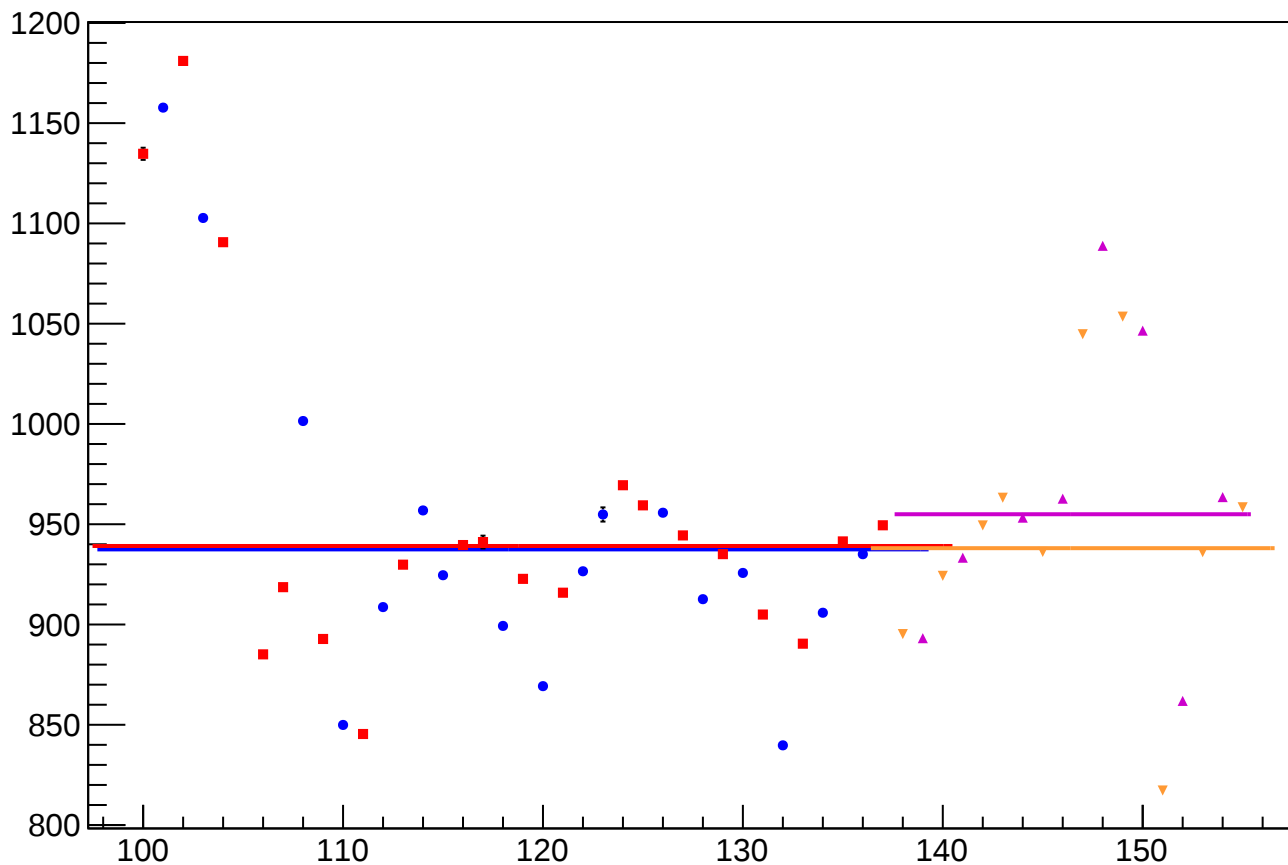
Left In: 88.892 +/- 0.374 χ^2/NDF : 3572.5/7

-38.984 +/- 0.250 χ^2/NDF : 28994.5/26

3.112 +/- 0.179 χ^2/NDF : 131975.1/54

47.172 +/- 0.256 χ^2/NDF : 45141.0/27

diff_bpm1i02X_rms vs Slug, Sign Corrected



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

Left Out: 938.061 +/- 0.245 χ^2/NDF : 76230.8/9

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

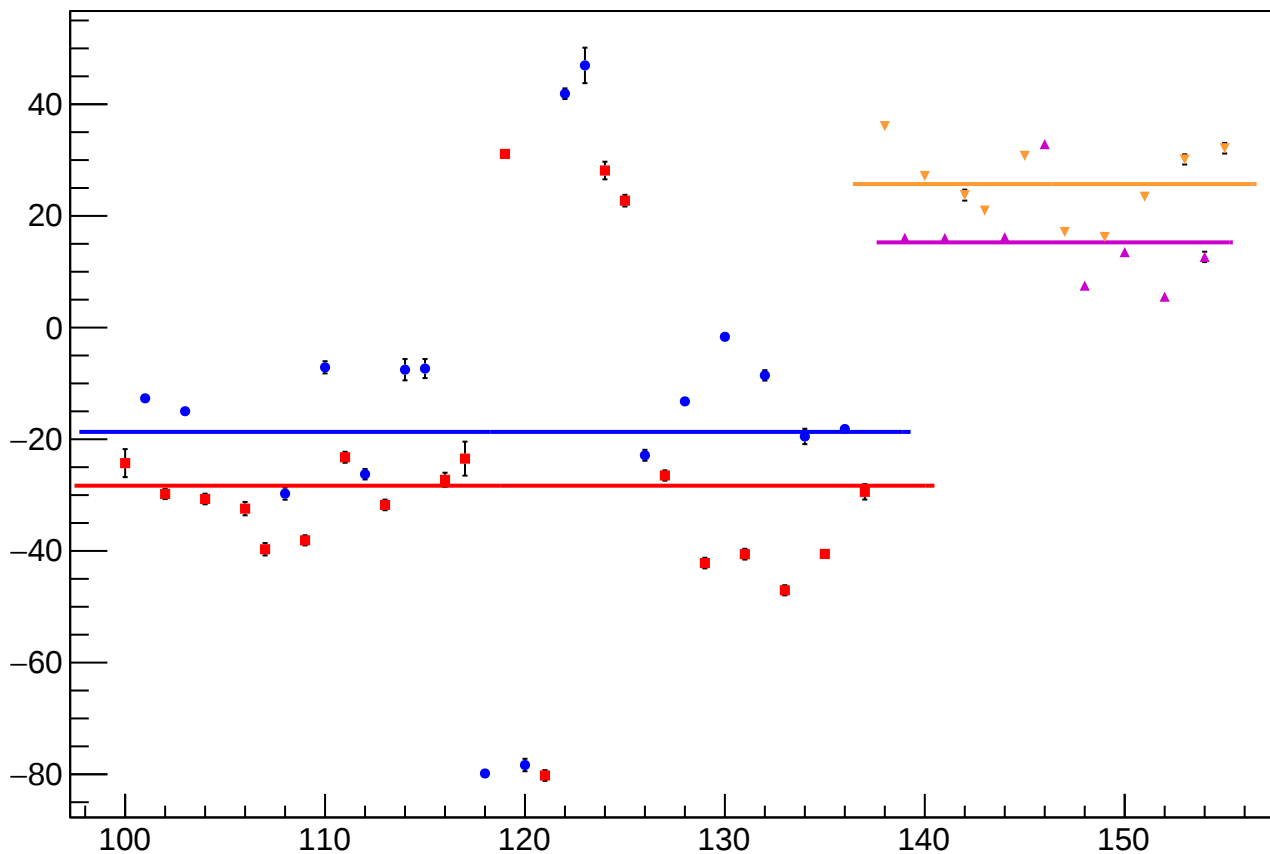
Left In: 954.983 +/- 0.265 χ^2/NDF : 64576.0/7

937.771 +/- 0.177 χ^2/NDF : 174541.4/26

942.066 +/- 0.127 χ^2/NDF : 332477.0/54

946.562 +/- 0.181 χ^2/NDF : 156731.2/27

diff_bpm1i02Y_mean vs Slug, Sign Corrected



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

Left Out: 25.703 ± 0.252 χ^2/NDF : 635.6/9

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

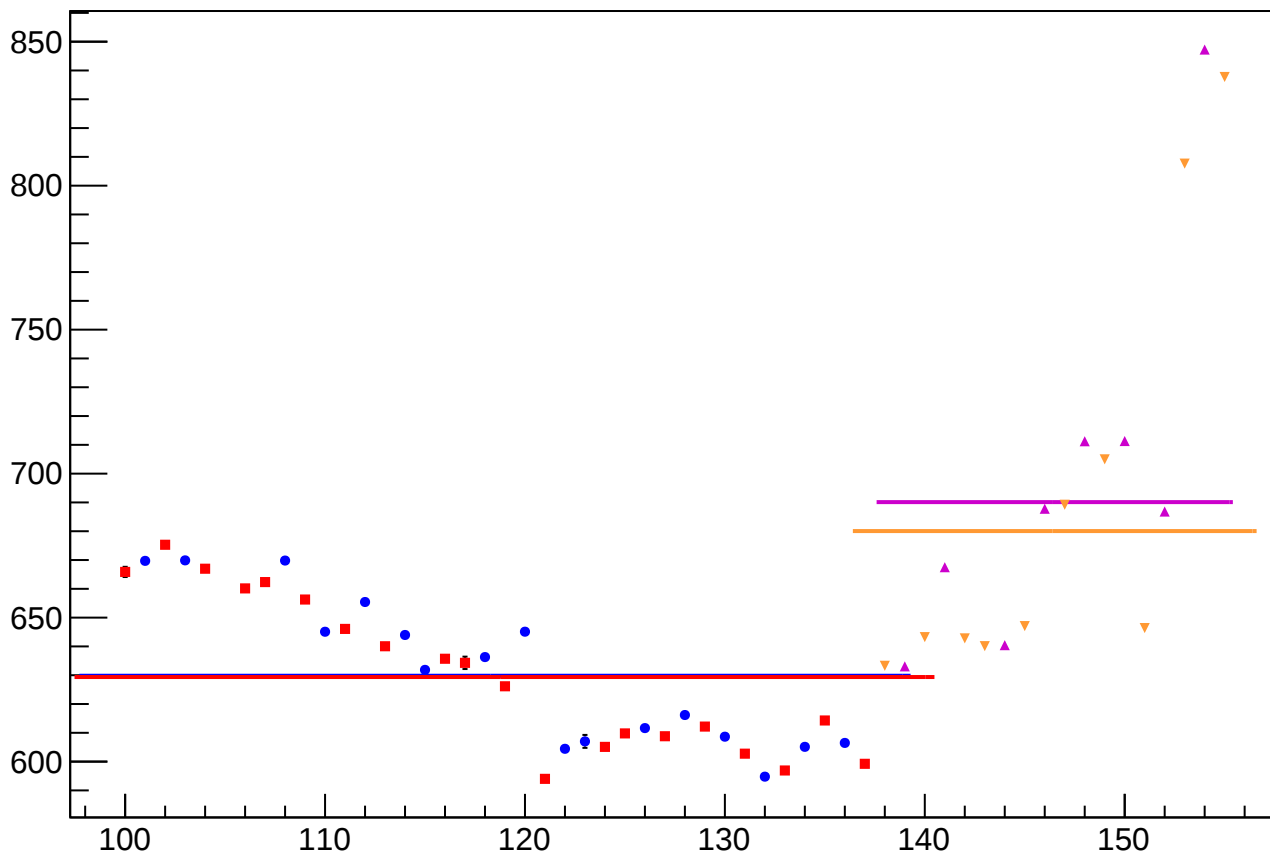
Left In: 15.261 ± 0.271 χ^2/NDF : 810.5/7

2.695 ± 0.175 χ^2/NDF : 29756.5/26

-3.376 ± 0.124 χ^2/NDF : 60301.1/54

-9.639 ± 0.177 χ^2/NDF : 28091.2/27

diff_bpm1i02Y_rms vs Slug, Sign Corrected



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

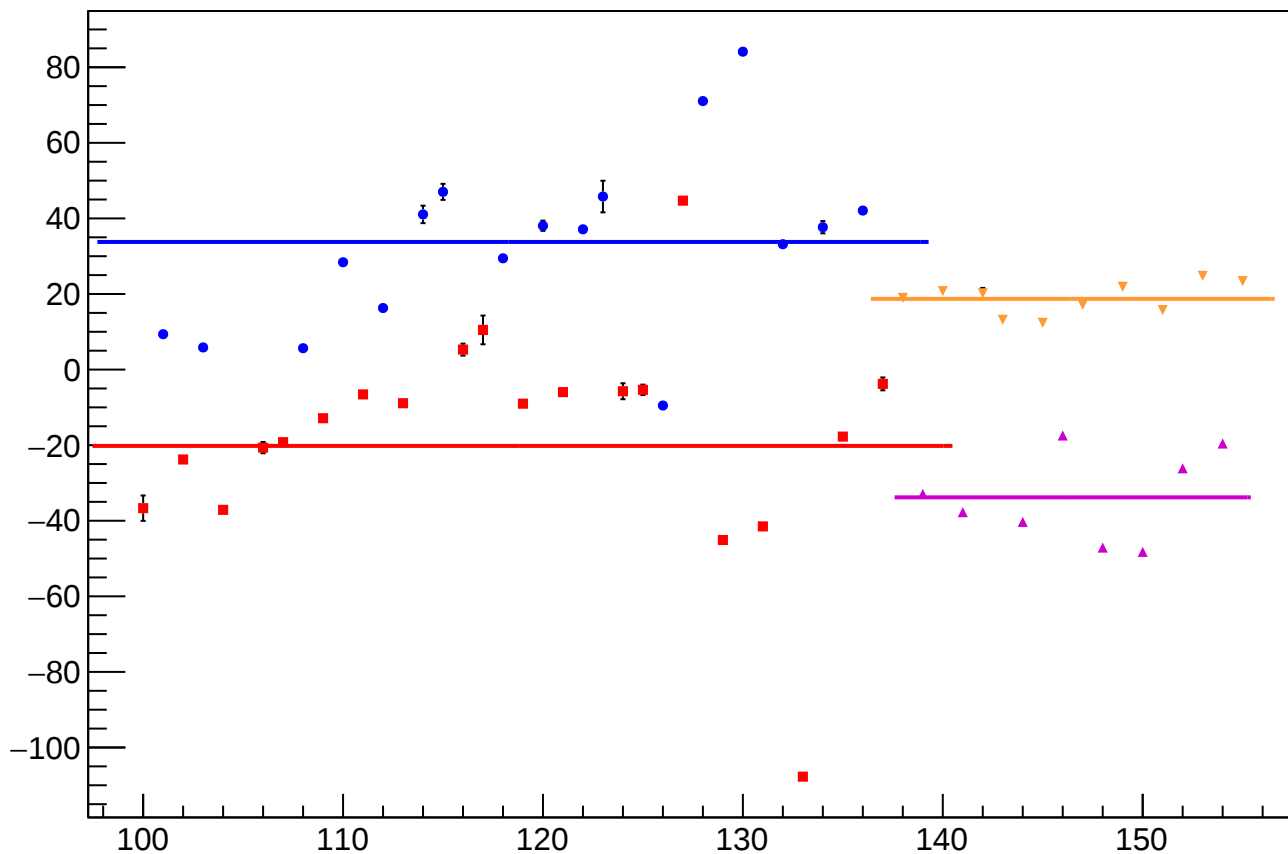
Left In: 690.109 $\pm$ 0.192 χ^2 /NDF: 83907.9/7

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

654.697 $\pm$ 0.088 χ^2 /NDF: 358467.7/54

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

diff_bpm1i04X_mean vs Slug, Sign Corrected



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

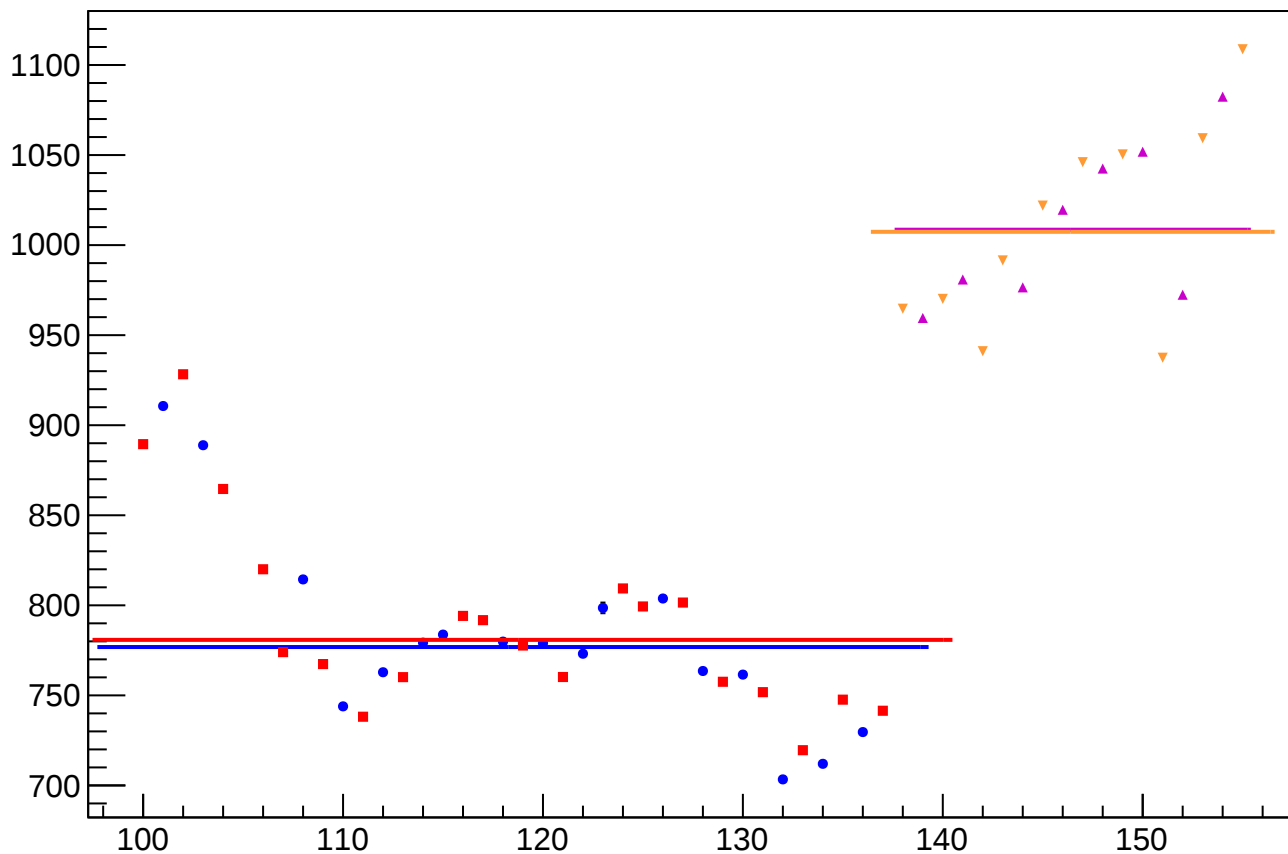
Left In: -33.810+/-0.395 χ^2/NDF : 753.0/7

27.833+/-0.233 χ^2/NDF : 7594.9/26

1.560+/-0.165 χ^2/NDF : 45961.6/54

-24.999+/-0.235 χ^2/NDF : 12875.6/27

diff_bpm1i04X_rms vs Slug, Sign Corrected



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

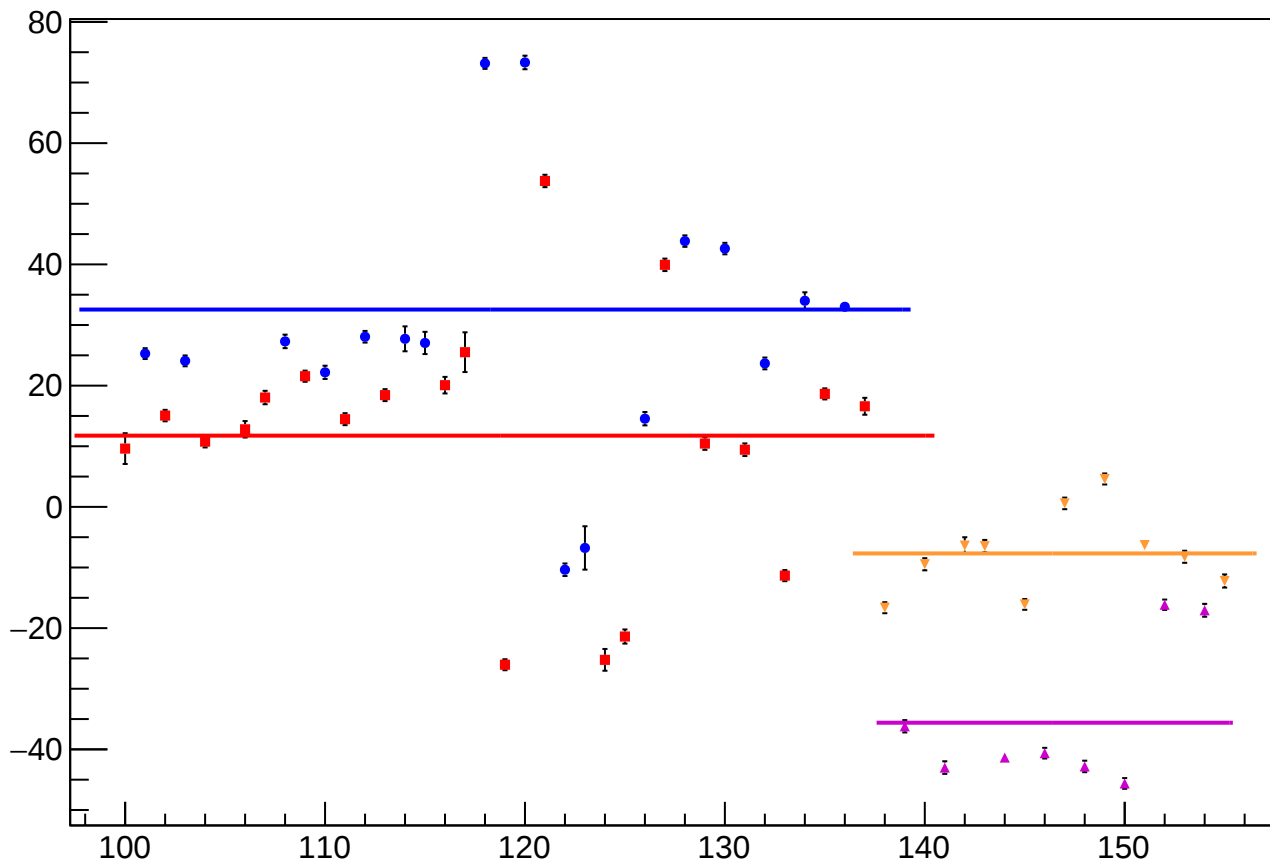
Left In: 1008.553 $\pm$ 0.279 χ^2/NDF : 21664.1/7

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

864.511 $\pm$ 0.117 χ^2/NDF : 1085044.3/54

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

diff_bpm1i04Y_mean vs Slug, Sign Corrected



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

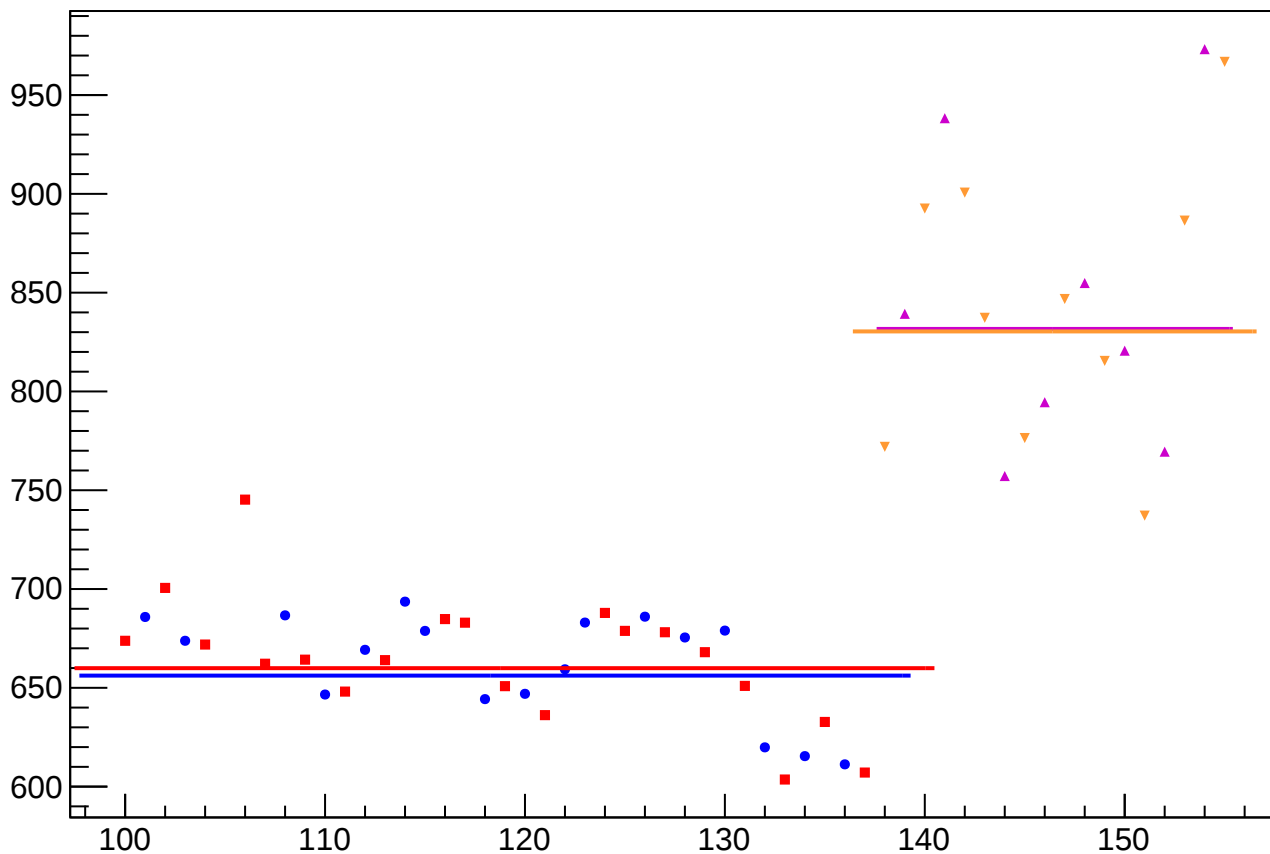
Left In: -35.604+/-0.328 χ^2/NDF : 1142.5/7

16.323+/-0.195 χ^2/NDF : 16753.7/26

5.596+/-0.139 χ^2/NDF : 43679.6/54

-5.315+/-0.197 χ^2/NDF : 20841.3/27

diff_bpm1i04Y_rms vs Slug, Sign Corrected



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

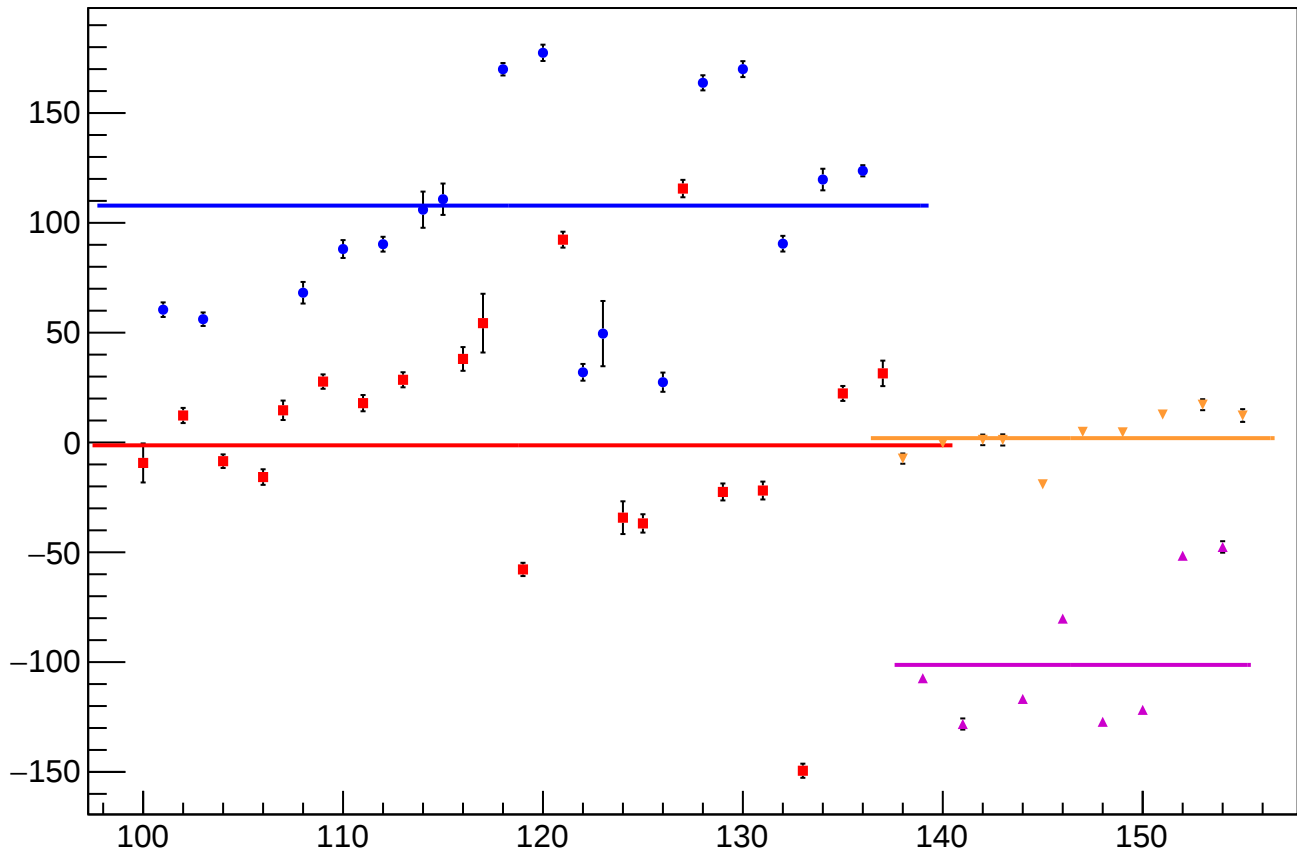
Left In: 831.638 ± 0.232 χ^2/NDF : 88357.1/7

726.456 ± 0.138 χ^2/NDF : 499733.5/26

724.158 ± 0.098 χ^2/NDF : 967354.3/54

721.821 ± 0.139 χ^2/NDF : 467062.4/27

diff_bpm1i06X_mean vs Slug, Sign Corrected



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

Left Out: 1.971+/-0.692 χ^2/NDF : 202.7/9

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

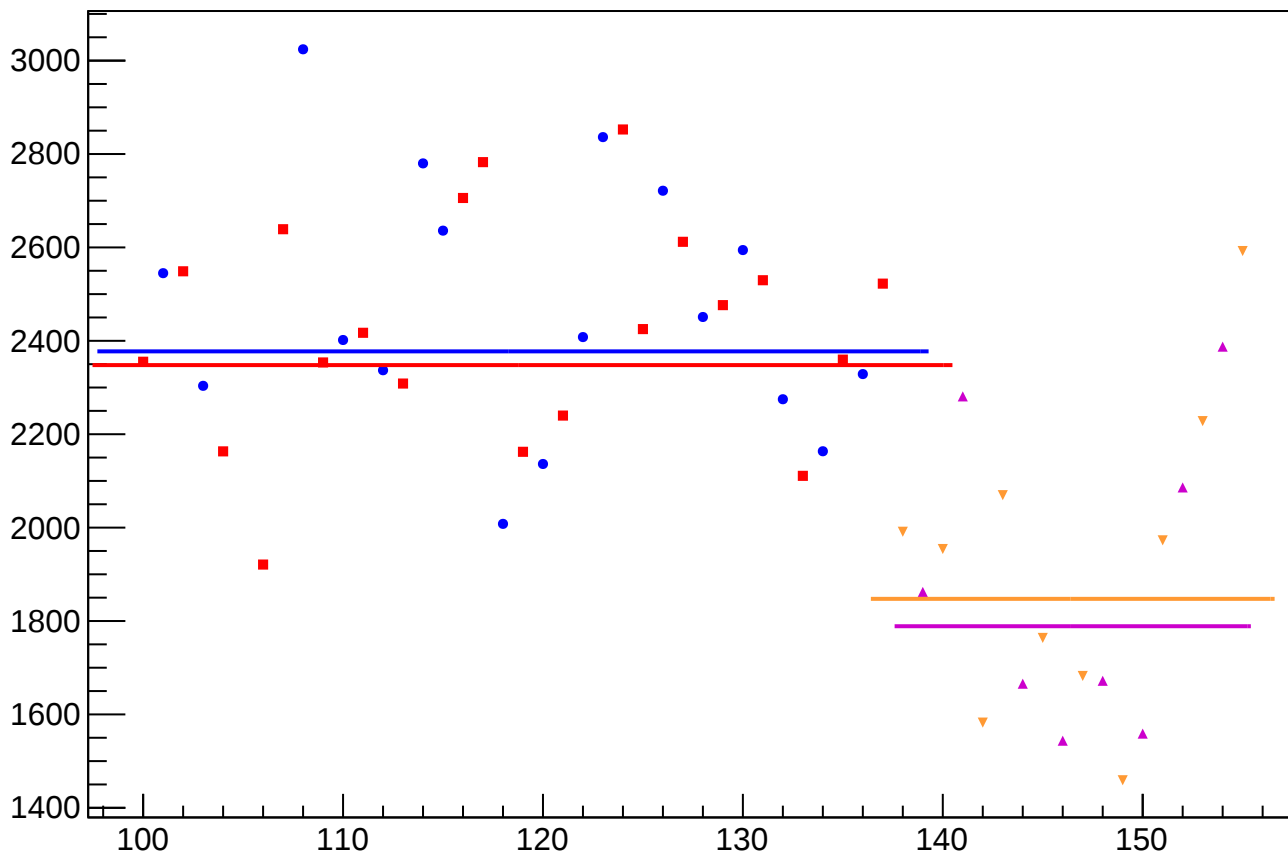
Left In: -101.273+/-0.714 χ^2/NDF : 1571.4/7

40.165+/-0.553 χ^2/NDF : 11450.8/26

-10.644+/-0.392 χ^2/NDF : 42224.7/54

-61.676+/-0.555 χ^2/NDF : 13882.5/27

diff_bpm1i06X_rms vs Slug, Sign Corrected



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

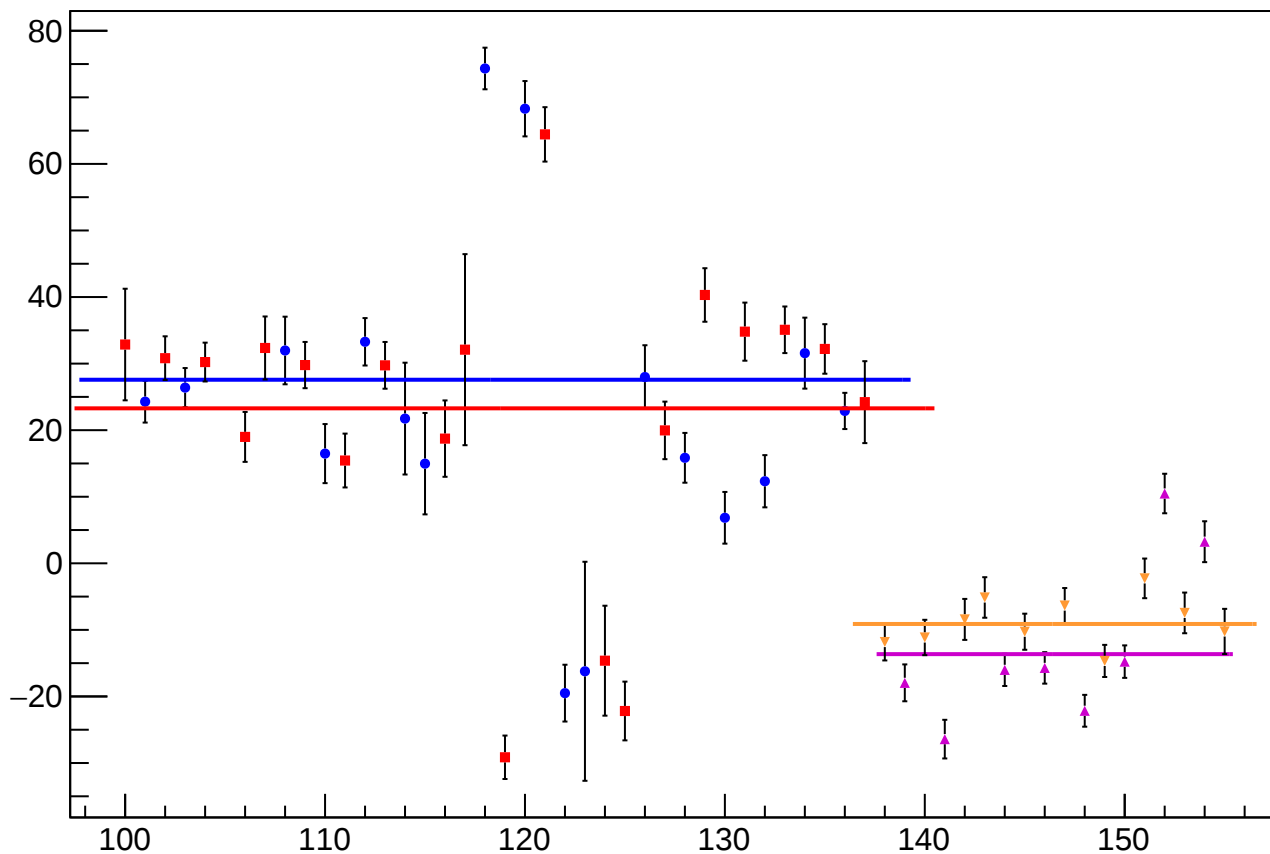
Left In: 1788.831 +/- 0.505 χ^2/NDF : 311765.9/7

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

2024.501 +/- 0.277 χ^2/NDF : 1820440.9/54

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

diff_bpm1i06Y_mean vs Slug, Sign Corrected



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

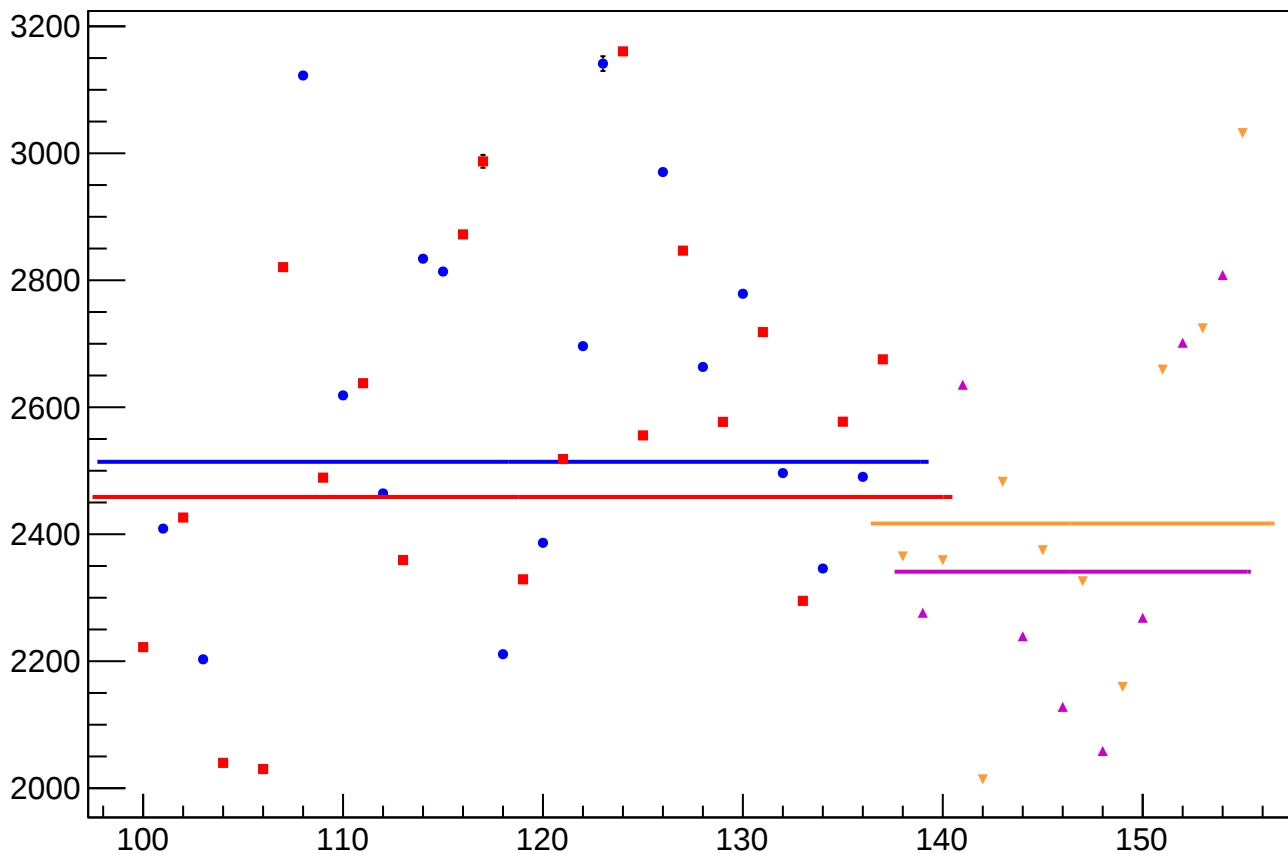
Left In: -13.643+/-0.928 χ^2 /NDF:132.7/7

7.697+/-0.660 χ^2 /NDF: 1302.8/26

6.279+/-0.465 χ^2 /NDF: 2796.7/54

4.880+/-0.655 χ^2 /NDF: 1484.8/27

diff_bpm1i06Y_rms vs Slug, Sign Corrected



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

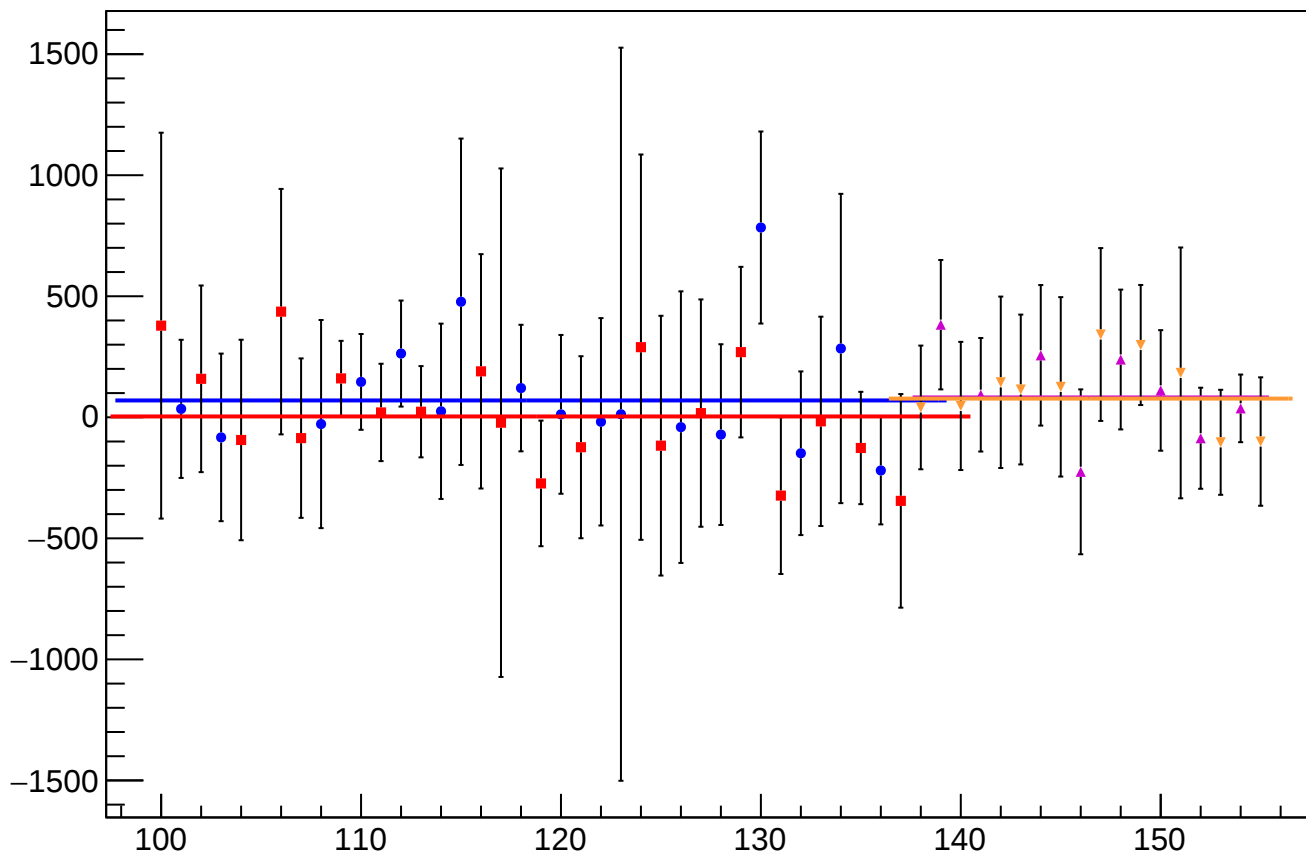
Left In: 2340.994+/-0.656 χ^2/NDF : 146851.8/7

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

2430.513+/-0.329 χ^2/NDF : 617366.3/54

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

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



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

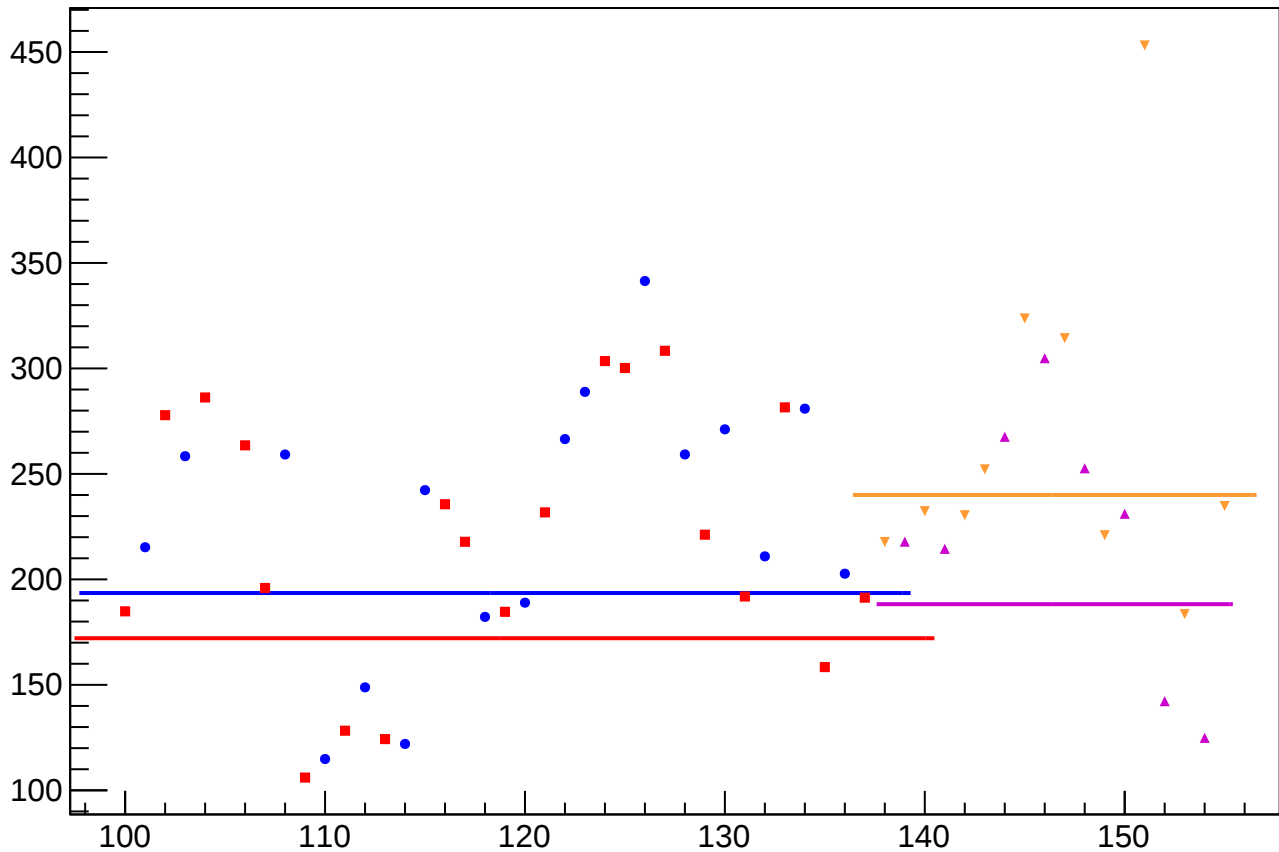
Left In: 81.936 $\pm$ 80.317 χ^2 /NDF: 3.5/7

72.844 $\pm$ 59.898 χ^2 /NDF: 10.0/26

52.770 $\pm$ 39.564 χ^2 /NDF: 20.6/54

37.233 $\pm$ 52.695 χ^2 /NDF: 10.4/27

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



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

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

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

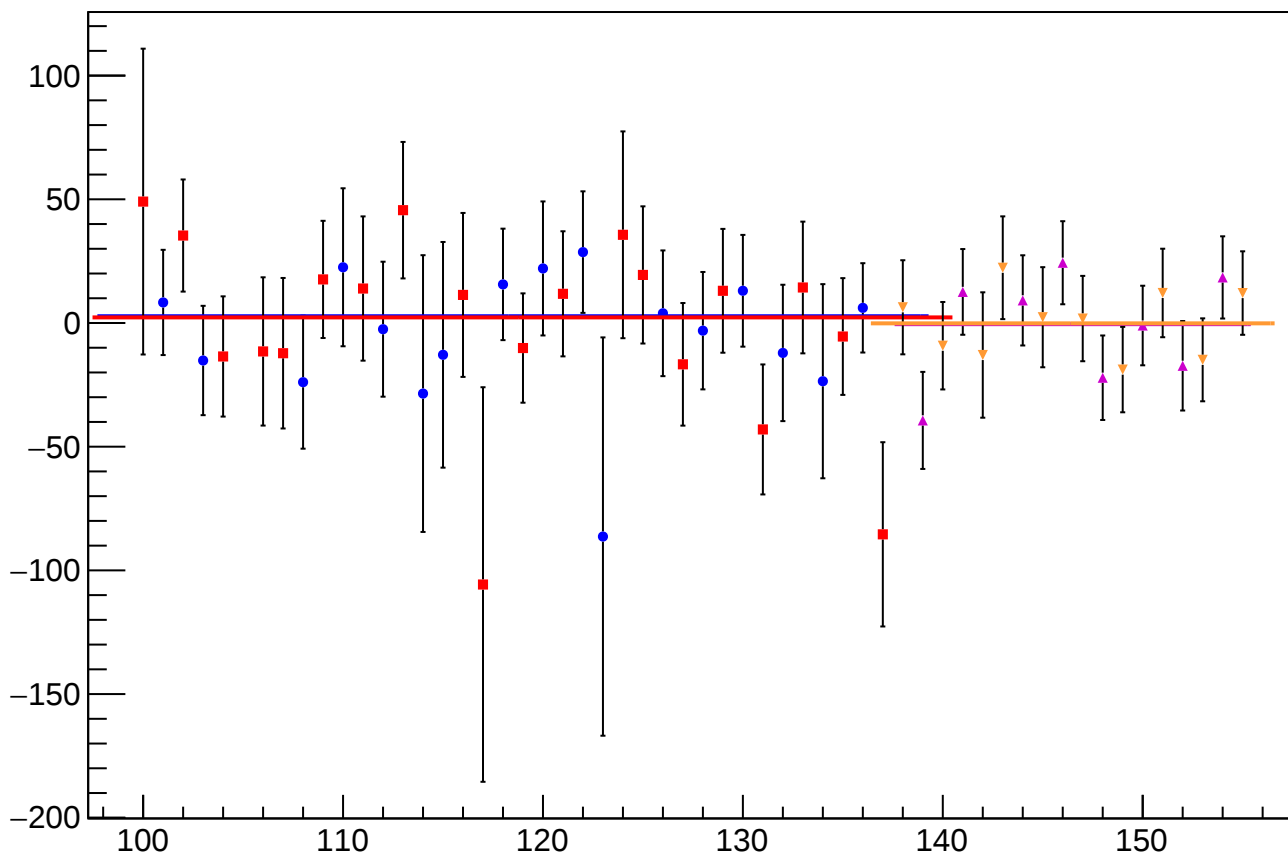
Left In: 188.239+/-0.057 χ^2/NDF : 1101108.9/7

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

193.997+/-0.028 χ^2/NDF : 5098402.7/54

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

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



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

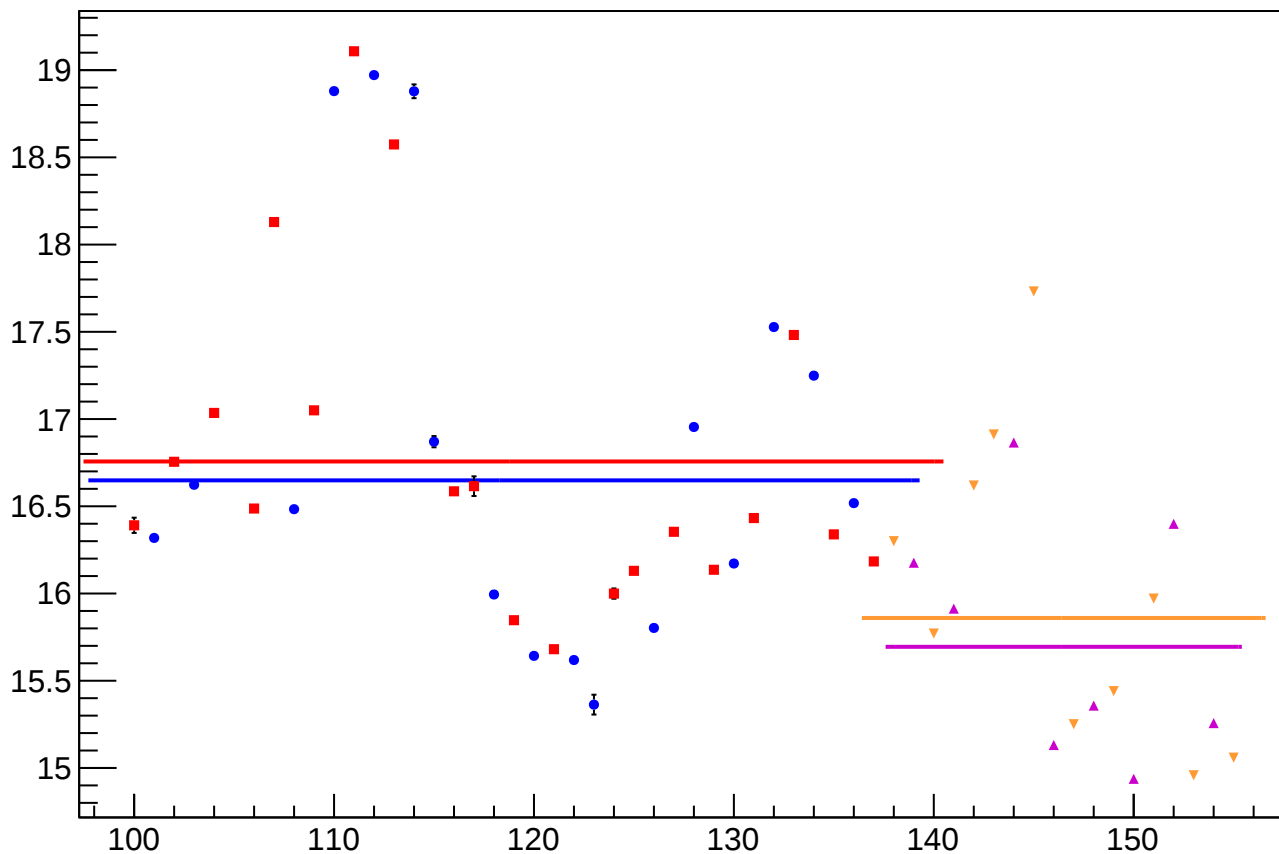
Left In: -0.473 $\pm$ 6.147 χ^2 /NDF:10.7/7

1.160 $\pm$ 4.327 χ^2 /NDF: 11.7/26

1.016 $\pm$ 3.080 χ^2 /NDF: 42.1/54

0.868 $\pm$ 4.386 χ^2 /NDF: 30.4/27

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



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

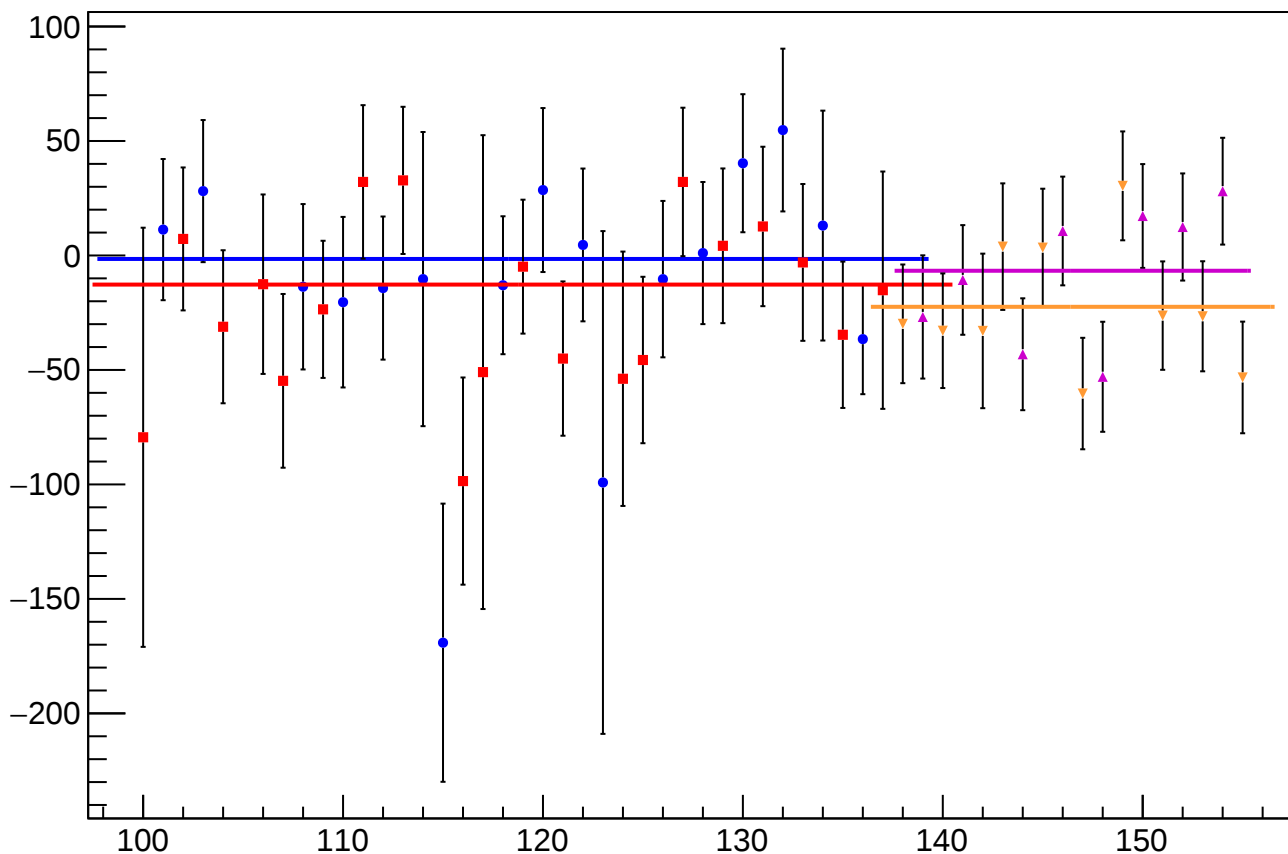
Left In: 15.694 $\pm$ 0.004 χ^2/NDF : 21656.6/7

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

16.217 $\pm$ 0.002 χ^2/NDF : 189183.0/54

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

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



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

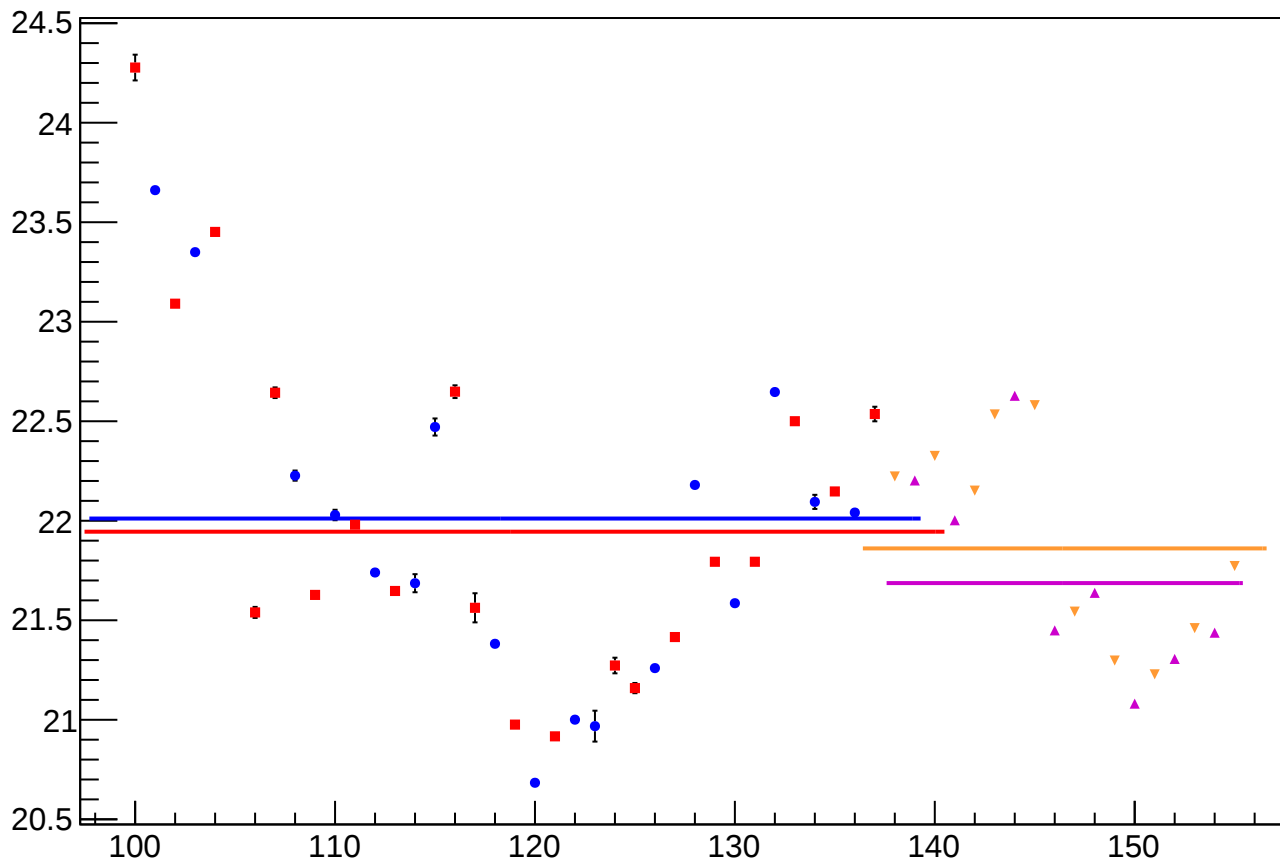
Left In: -6.677 ± 8.477 χ^2/NDF : 11.1/7

-12.525 ± 5.840 χ^2/NDF : 32.1/26

-11.175 ± 4.146 χ^2/NDF : 59.3/54

-9.803 ± 5.888 χ^2/NDF : 27.1/27

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 21.861 $\pm$ 0.006 χ^2 /NDF: 7450.6/9

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

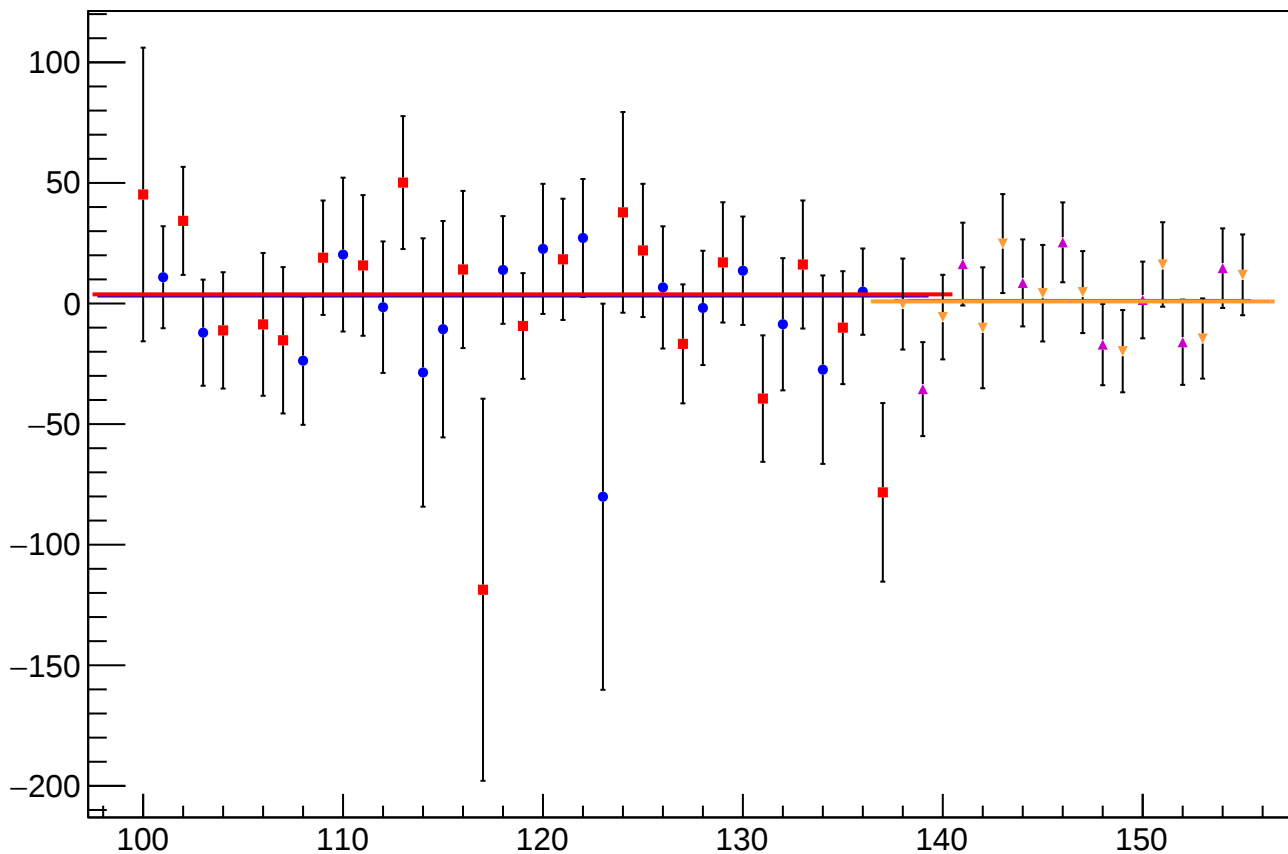
Left In: 21.687 $\pm$ 0.006 χ^2 /NDF: 6444.2/7

21.932 $\pm$ 0.004 χ^2 /NDF: 25327.2/26

21.877 $\pm$ 0.003 χ^2 /NDF: 49714.4/54

21.821 $\pm$ 0.004 χ^2 /NDF: 24024.6/27

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



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

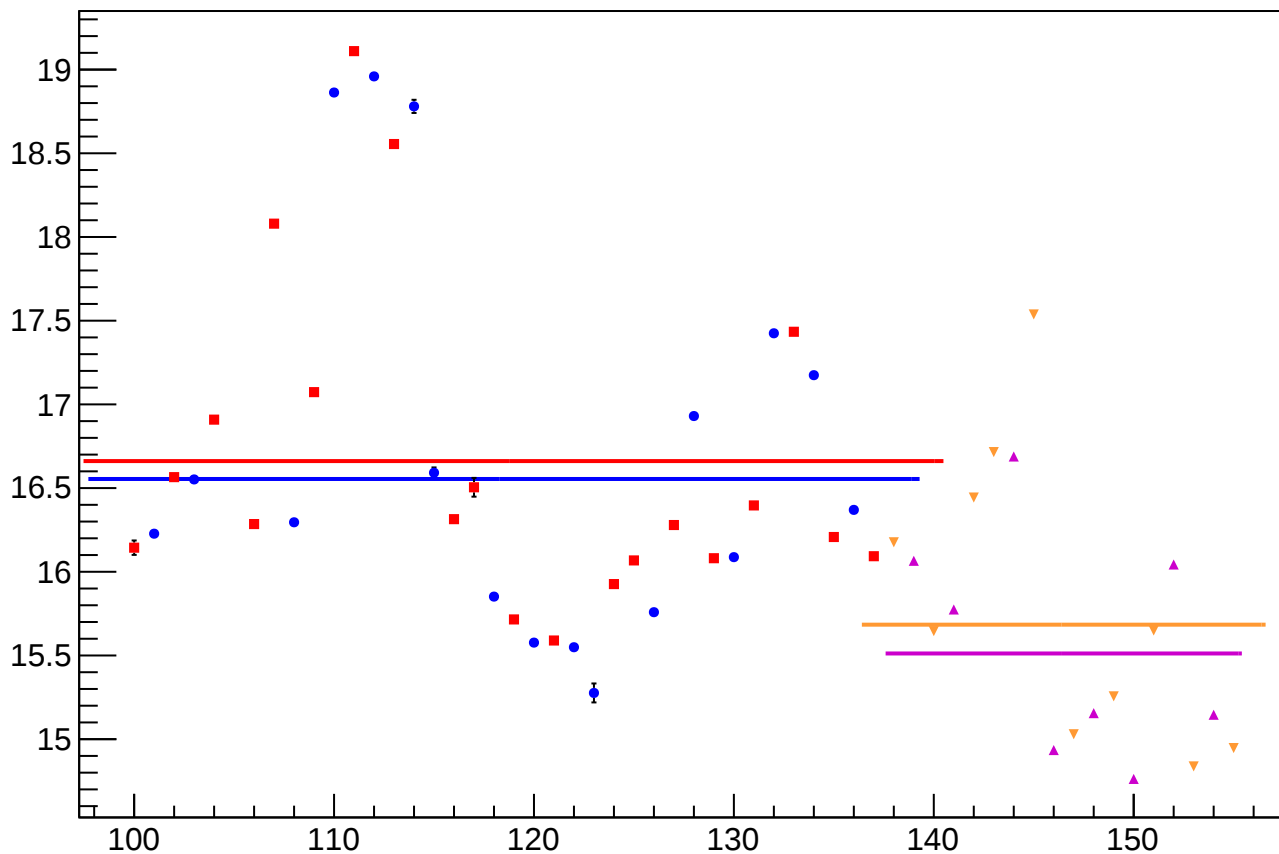
Left In: 1.070 ± 6.075 χ^2/NDF : 9.4/7

1.971 ± 4.289 χ^2/NDF : 11.6/26

2.183 ± 3.053 χ^2/NDF : 41.3/54

2.402 ± 4.347 χ^2/NDF : 29.6/27

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



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

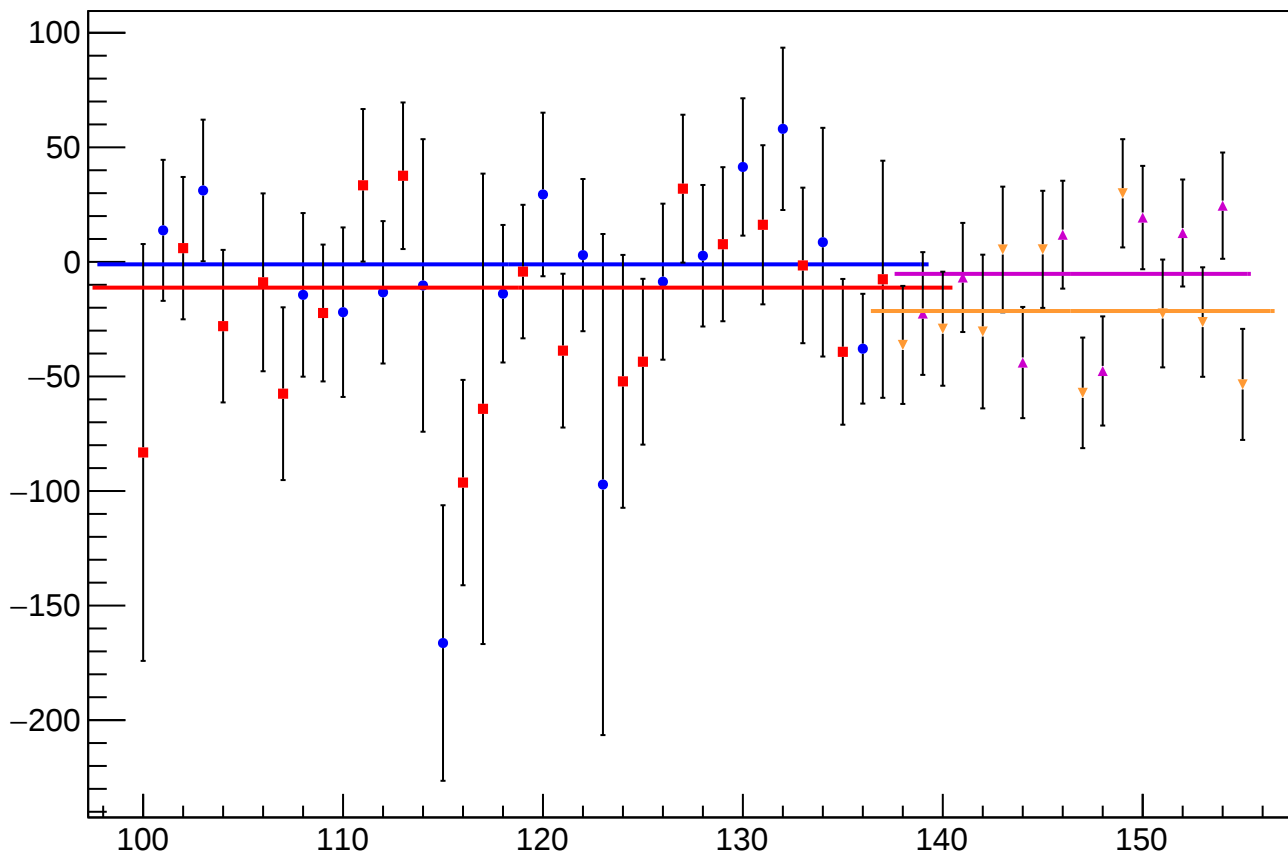
Left In: 15.512 ± 0.004 χ^2/NDF : 21152.9/7

16.076 ± 0.003 χ^2/NDF : 103557.7/26

16.075 ± 0.002 χ^2/NDF : 202707.1/54

16.073 ± 0.003 χ^2/NDF : 99148.7/27

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



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

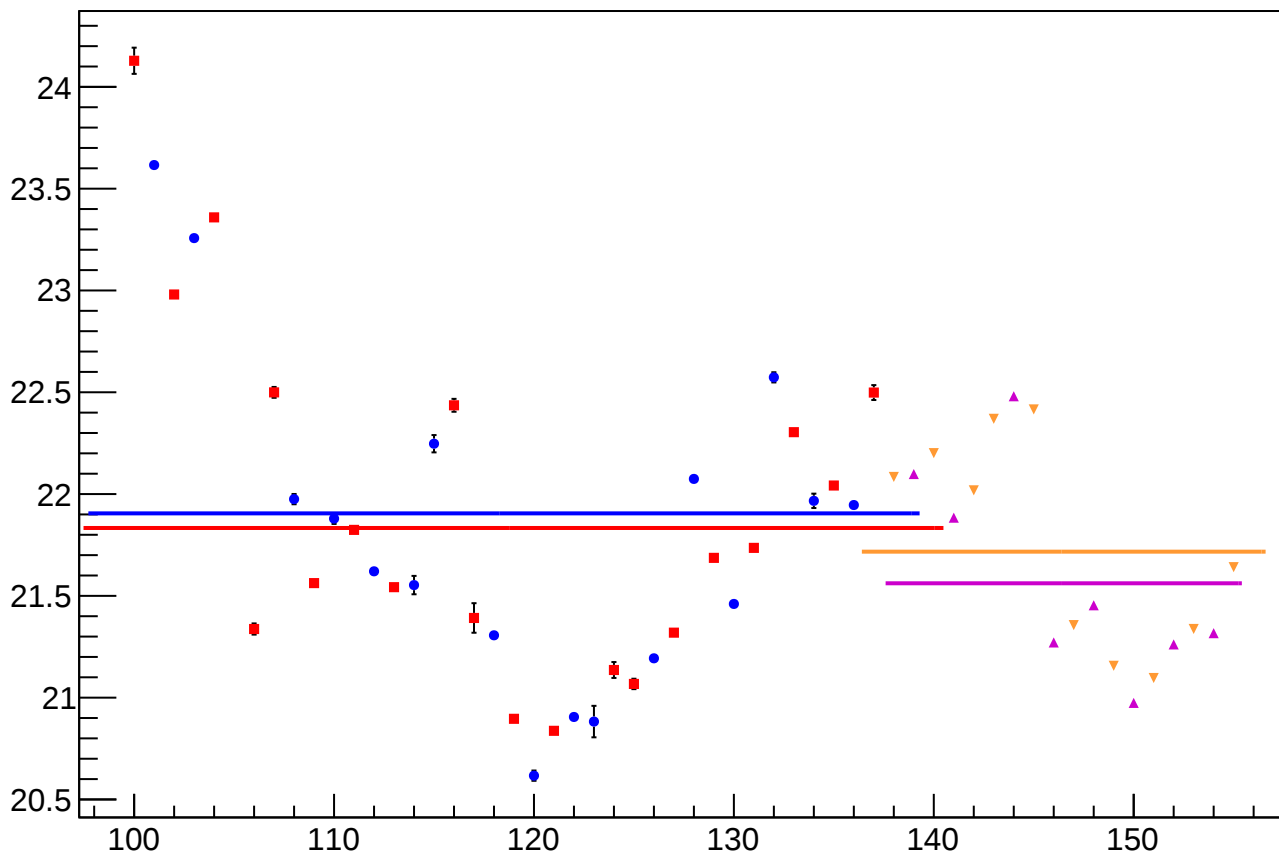
Left In: -5.226 ± 8.428 χ^2/NDF : 10.1/7

-11.808 ± 5.806 χ^2/NDF : 32.8/26

-10.086 ± 4.123 χ^2/NDF : 59.8/54

-8.334 ± 5.856 χ^2/NDF : 26.8/27

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



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

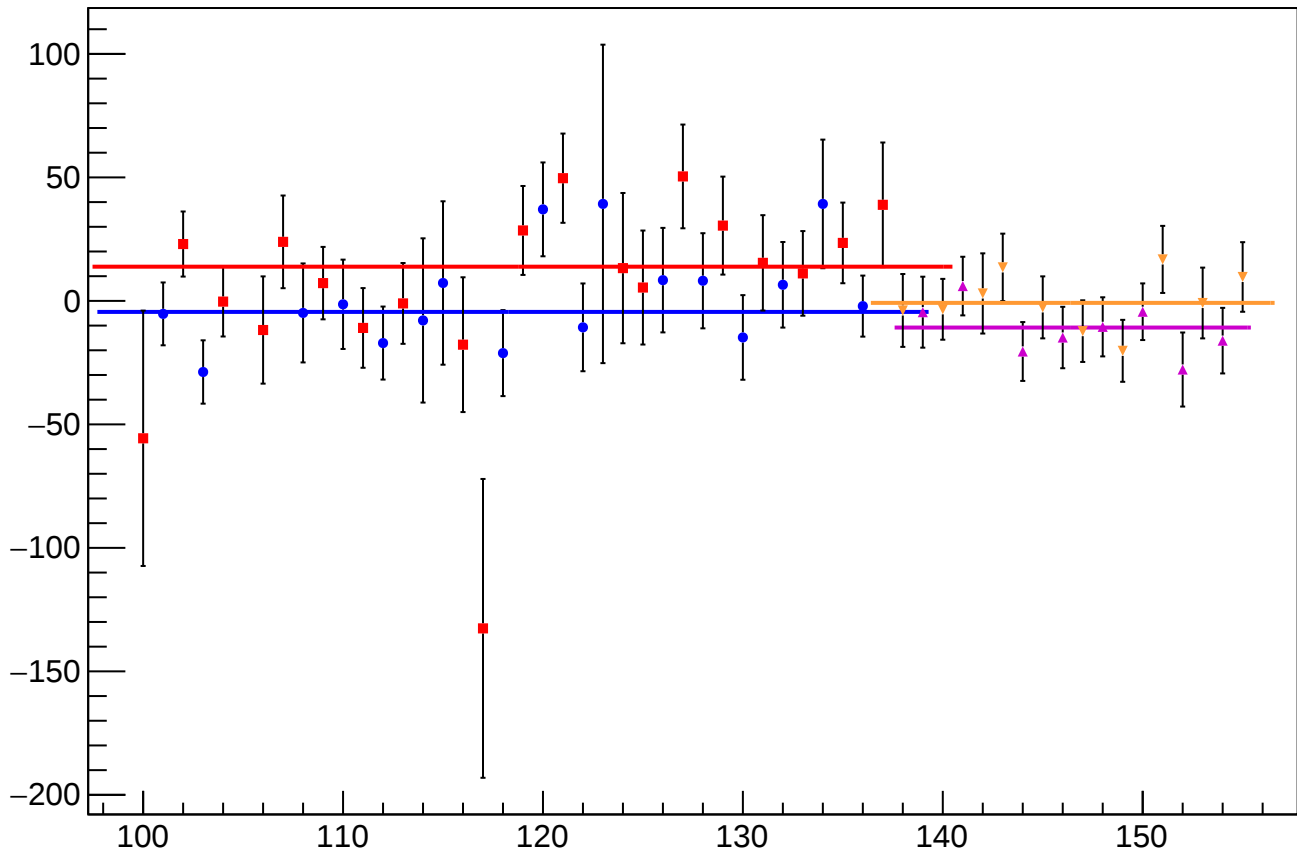
Left In: 21.562 $\pm$ 0.006 χ^2/NDF : 6290.2/7

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

21.755 $\pm$ 0.003 χ^2/NDF : 49727.2/54

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

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



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

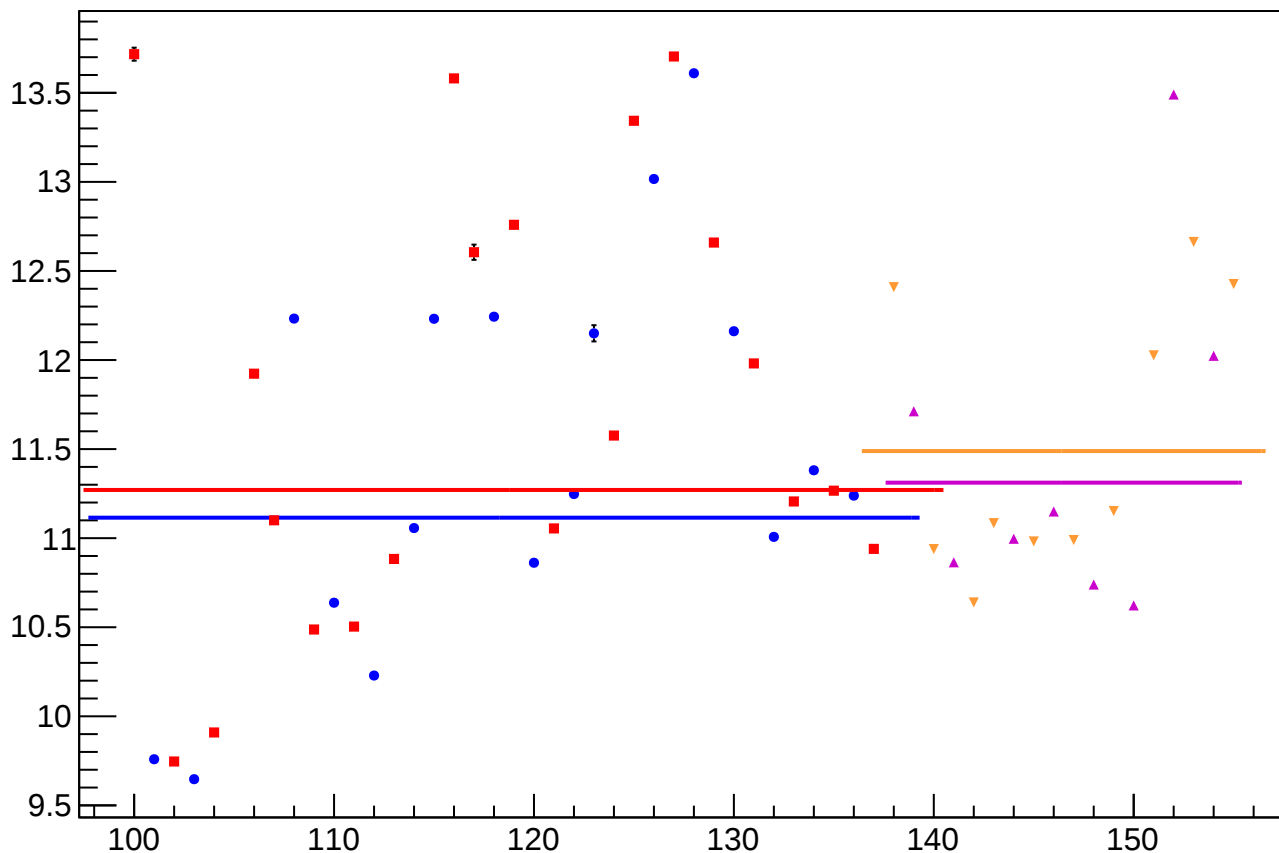
Left In: -10.794 ± 4.465 χ^2/NDF : 4.7/7

-2.608 ± 3.041 χ^2/NDF : 22.3/26

-0.271 ± 2.164 χ^2/NDF : 69.6/54

2.126 ± 3.080 χ^2/NDF : 46.1/27

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



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

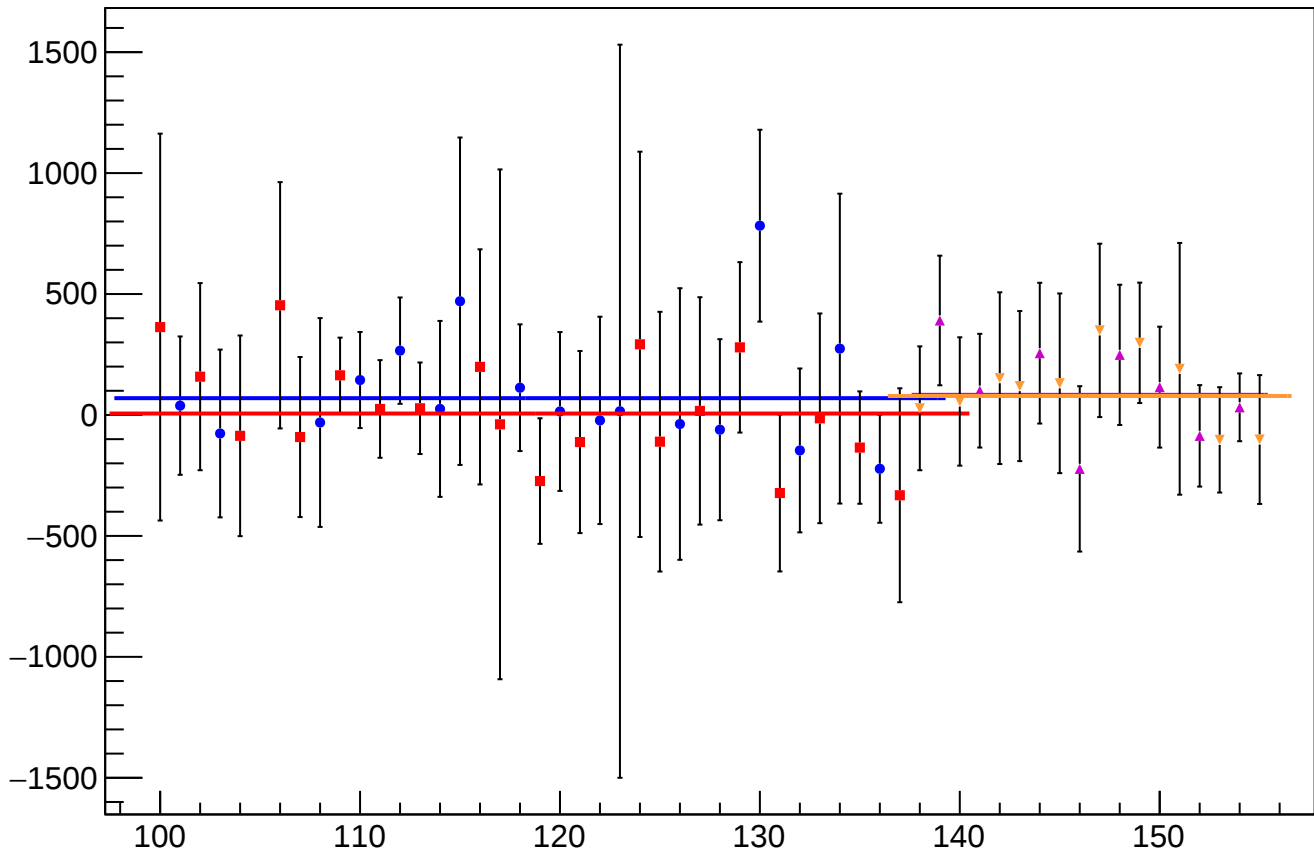
Left In: 11.312+/-0.003 χ^2/NDF : 65915.5/7

11.304+/-0.002 χ^2/NDF : 192951.9/26

11.297+/-0.002 χ^2/NDF : 407439.5/54

11.290+/-0.002 χ^2/NDF : 214465.6/27

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 78.501 $\pm$ 92.121 χ^2 /NDF: 2.7/9

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

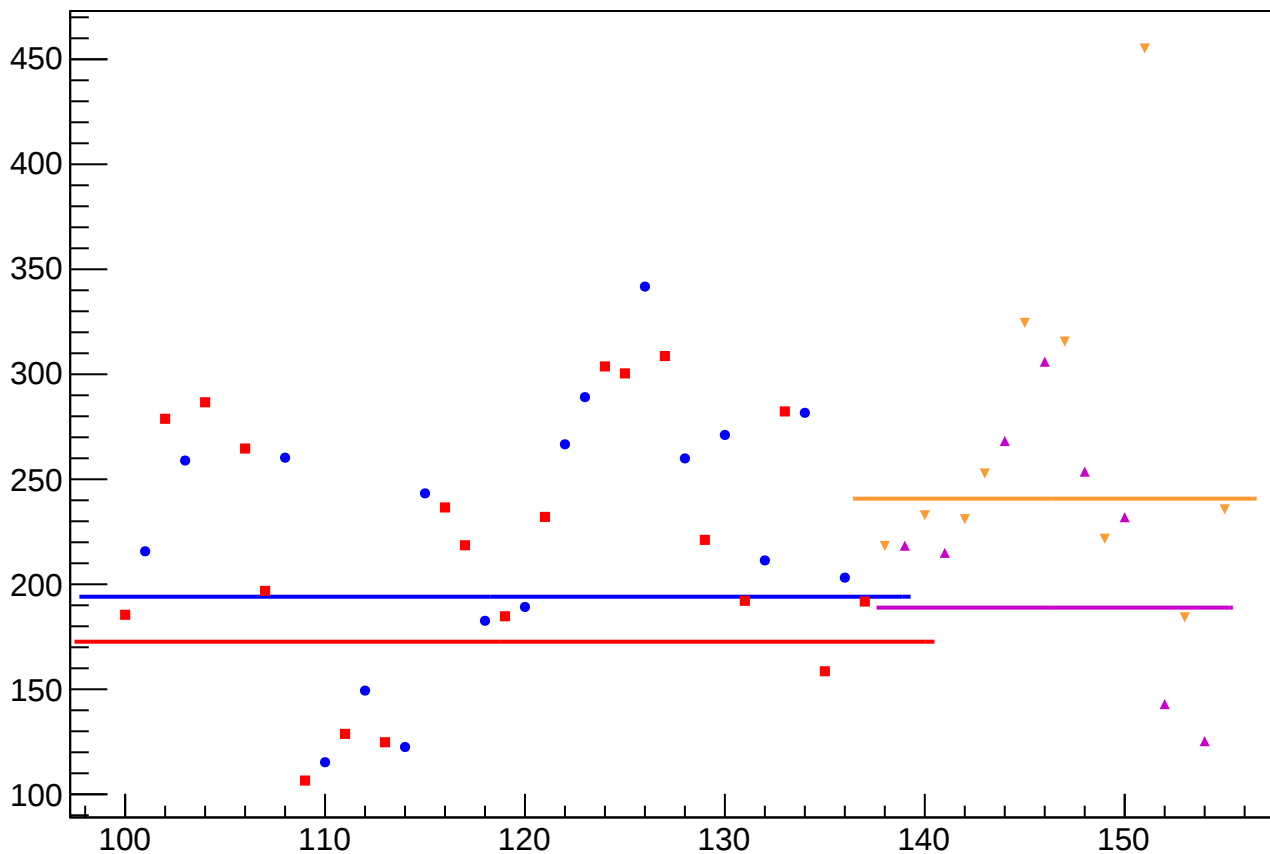
Left In: 83.274 $\pm$ 80.590 χ^2 /NDF: 3.6/7

73.310 $\pm$ 60.070 χ^2 /NDF: 9.9/26

54.110 $\pm$ 39.683 χ^2 /NDF: 20.7/54

39.242 $\pm$ 52.859 χ^2 /NDF: 10.6/27

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.082+/-0.056 χ^2/NDF : 1005395.7/16

Left Out: 240.776+/-0.065 χ^2/NDF : 697116.0/9

Right Out: 172.655+/-0.050 χ^2/NDF : 1573277.0/19

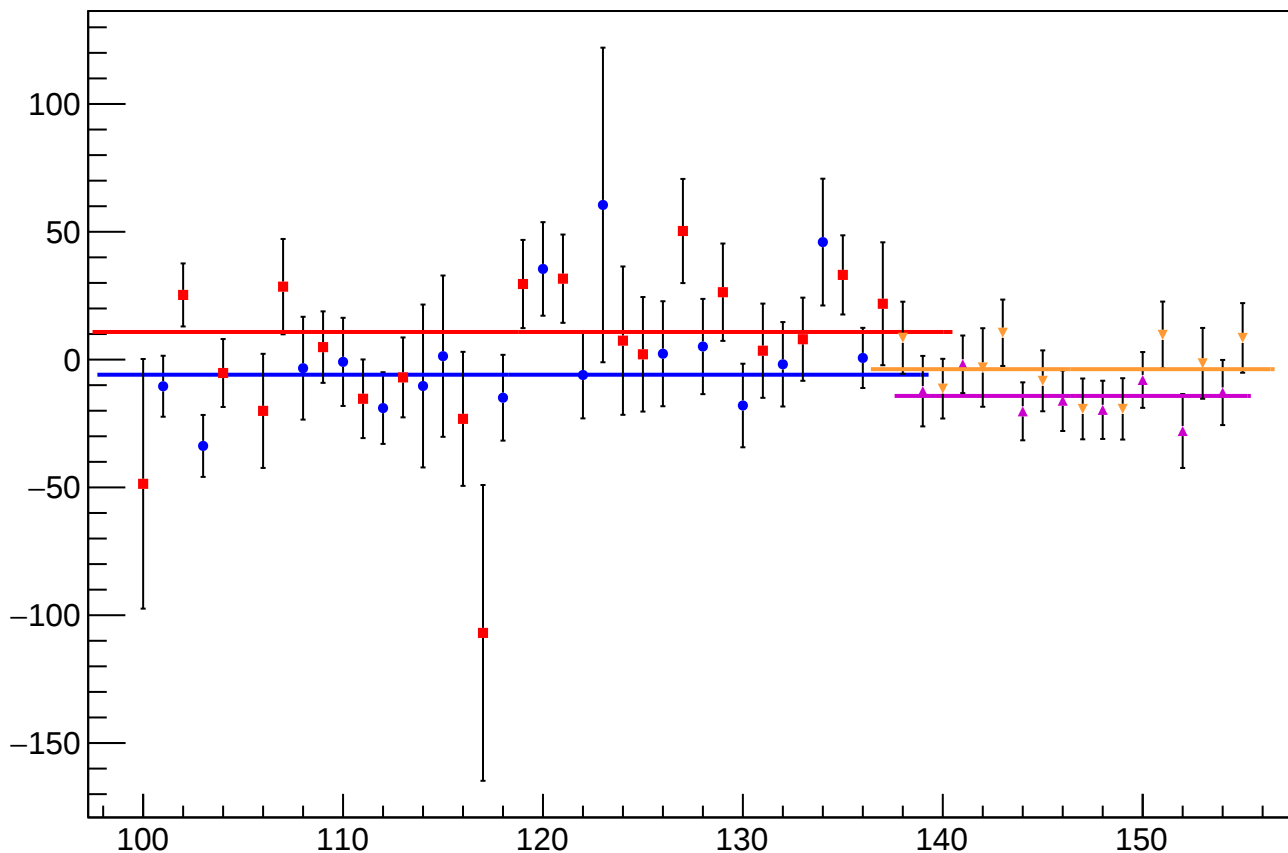
Left In: 188.892+/-0.057 χ^2/NDF : 1099165.8/7

213.936+/-0.042 χ^2/NDF : 1997881.6/26

194.608+/-0.028 χ^2/NDF : 5083997.2/54

179.641+/-0.037 χ^2/NDF : 2718698.5/27

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.912 ± 4.133 χ^2/NDF : 18.8/16

Left Out: -3.744 ± 4.079 χ^2/NDF : 7.8/9

Right Out: 10.806 ± 4.068 χ^2/NDF : 27.0/19

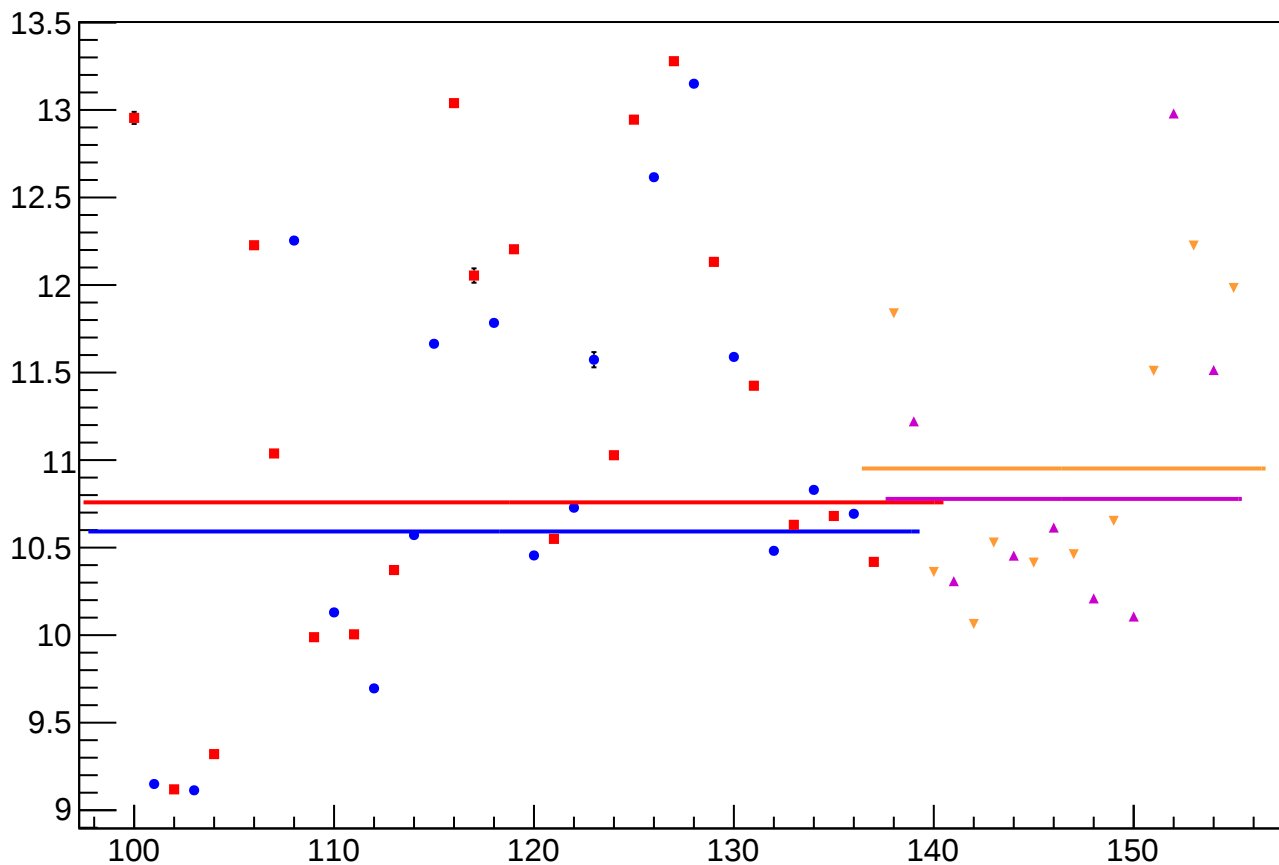
Left In: -14.211 ± 4.261 χ^2/NDF : 3.0/7

-4.814 ± 2.903 χ^2/NDF : 26.8/26

-2.994 ± 2.067 χ^2/NDF : 75.6/54

-1.124 ± 2.943 χ^2/NDF : 48.1/27

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 10.952 ± 0.003 χ^2/NDF : 62572.0/9

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

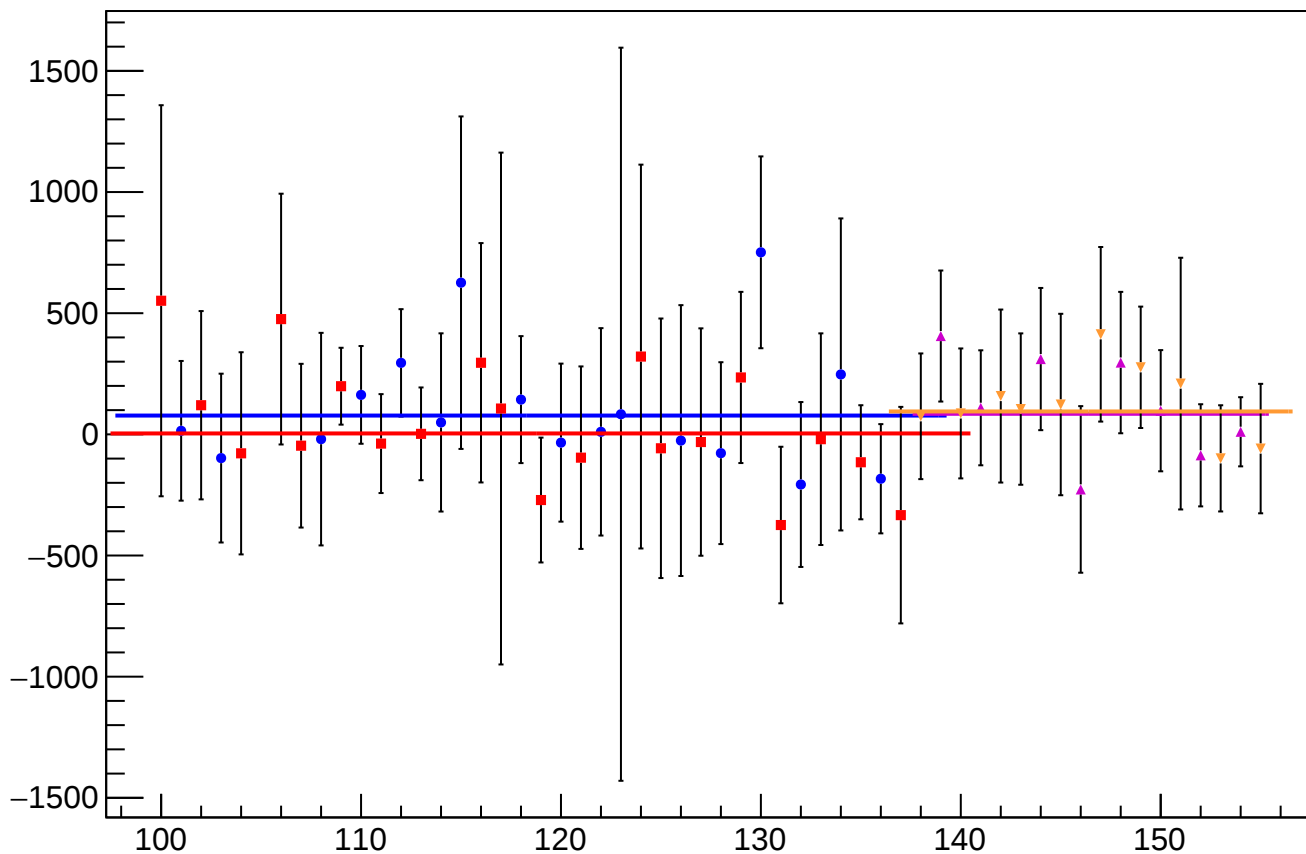
Left In: 10.778 ± 0.003 χ^2/NDF : 73193.1/7

10.774 ± 0.002 χ^2/NDF : 230643.5/26

10.771 ± 0.001 χ^2/NDF : 481767.5/54

10.768 ± 0.002 χ^2/NDF : 251118.9/27

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 94.527+/-92.768 χ^2/NDF : 2.5/9

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

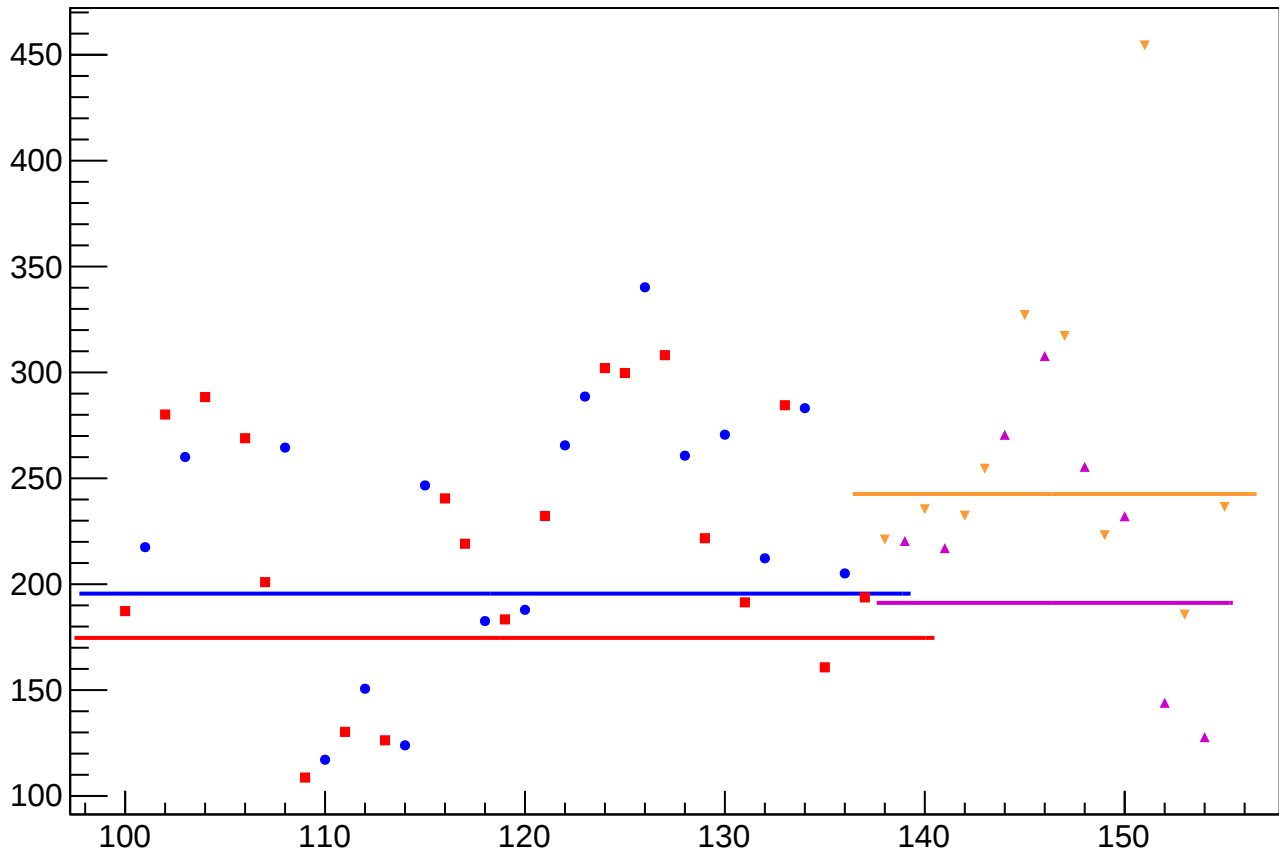
Left In: 84.835+/-81.411 χ^2/NDF : 4.3/7

84.787+/-60.475 χ^2/NDF : 10.1/26

58.836+/-40.019 χ^2/NDF : 22.6/54

38.619+/-53.379 χ^2/NDF : 12.2/27

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 242.600 $\pm$ 0.066 χ^2 /NDF: 688503.9/9

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

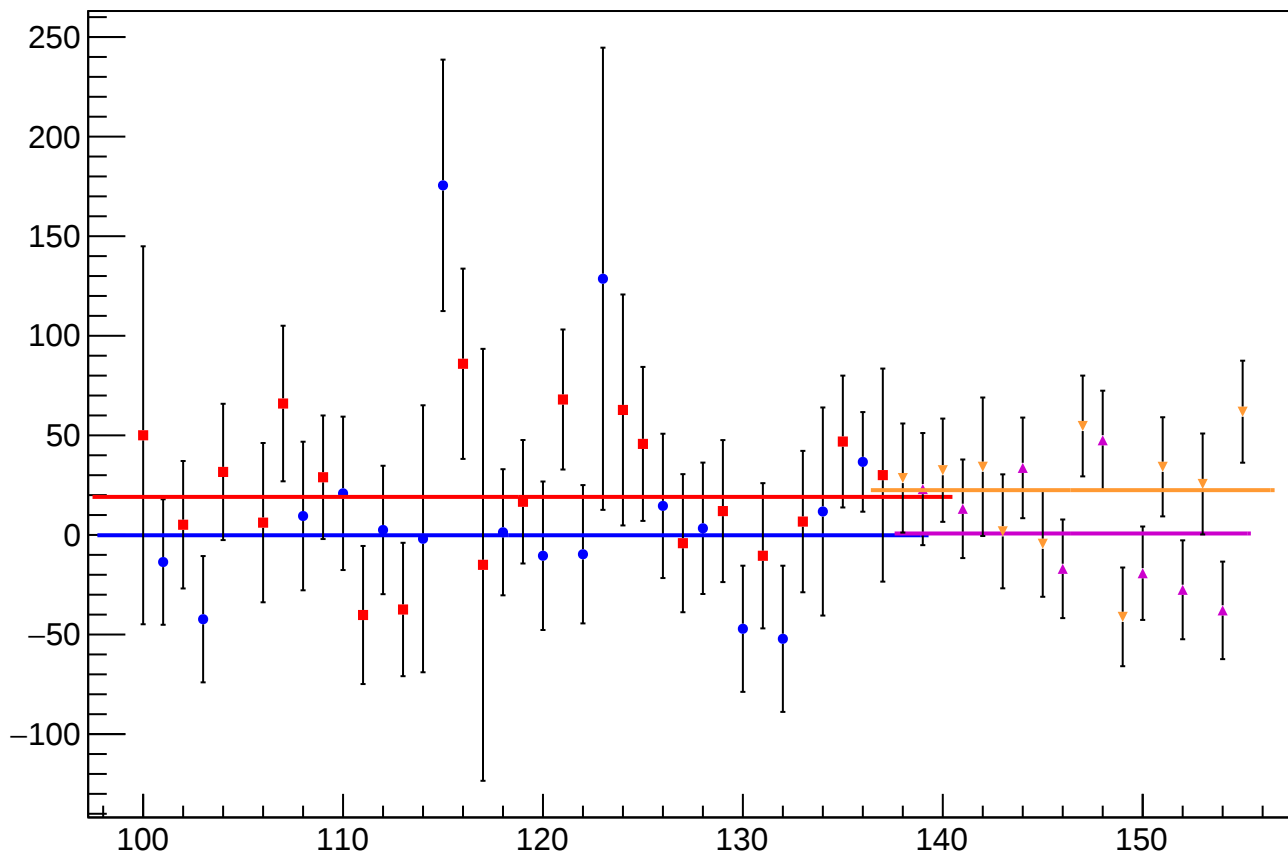
Left In: 191.188 $\pm$ 0.058 χ^2 /NDF: 1068936.9/7

215.546 $\pm$ 0.043 χ^2 /NDF: 1964261.4/26

196.555 $\pm$ 0.028 χ^2 /NDF: 4963321.6/54

181.759 $\pm$ 0.038 χ^2 /NDF: 2648183.2/27

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



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

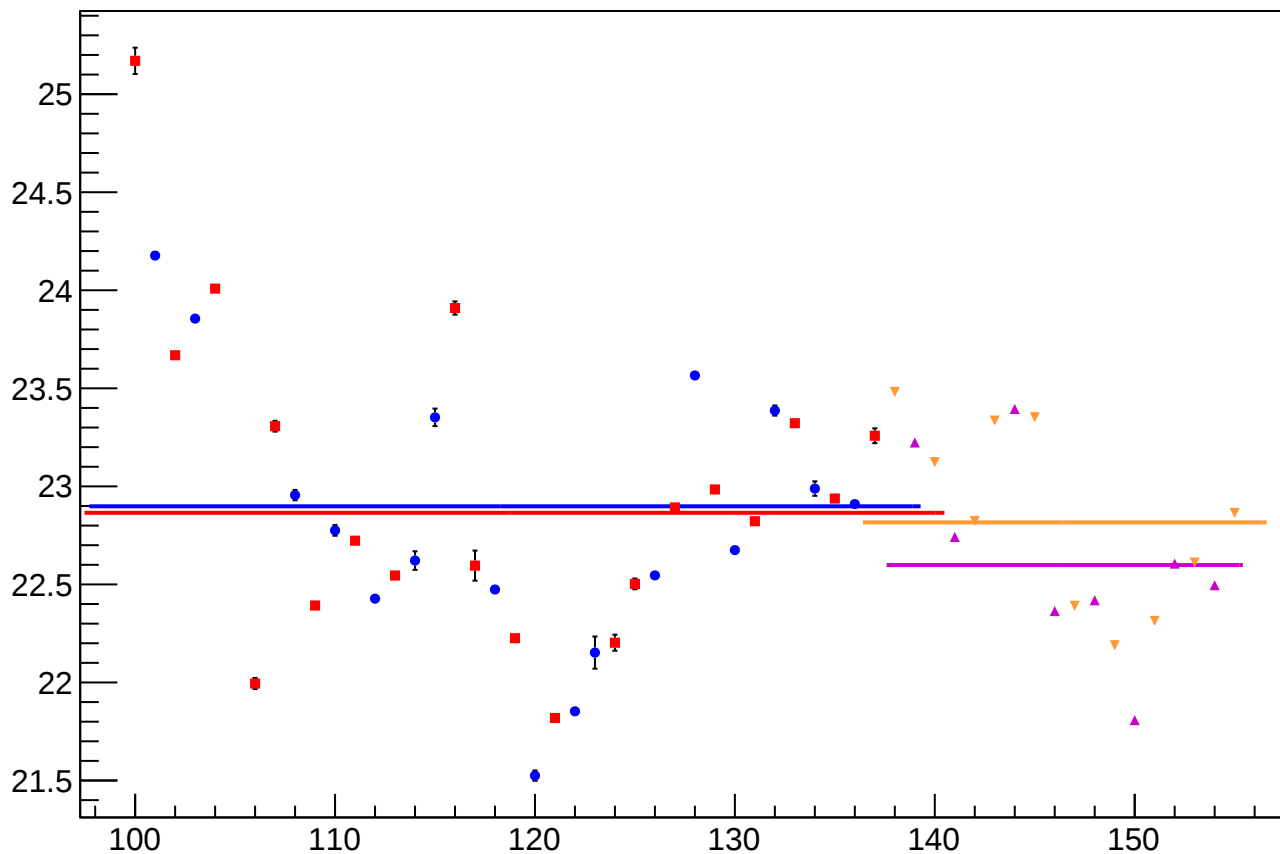
Left In: 0.735 ± 8.834 χ^2/NDF : 11.1/7

11.725 ± 6.085 χ^2/NDF : 34.2/26

10.990 ± 4.320 χ^2/NDF : 62.5/54

10.244 ± 6.135 χ^2/NDF : 28.3/27

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



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

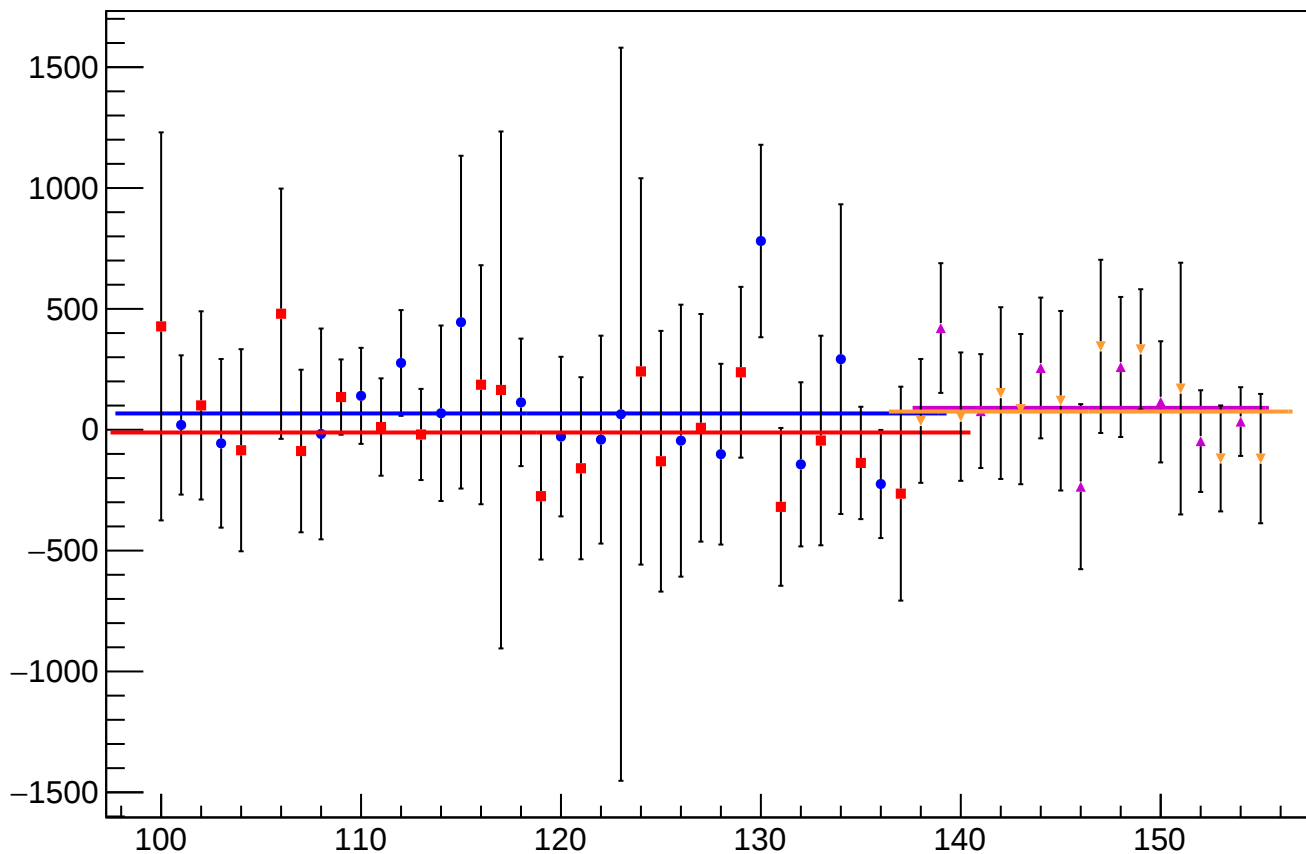
Left In: 22.599 $\pm$ 0.006 χ^2/NDF : 5631.5/7

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

22.796 $\pm$ 0.003 χ^2/NDF : 35971.0/54

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

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



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

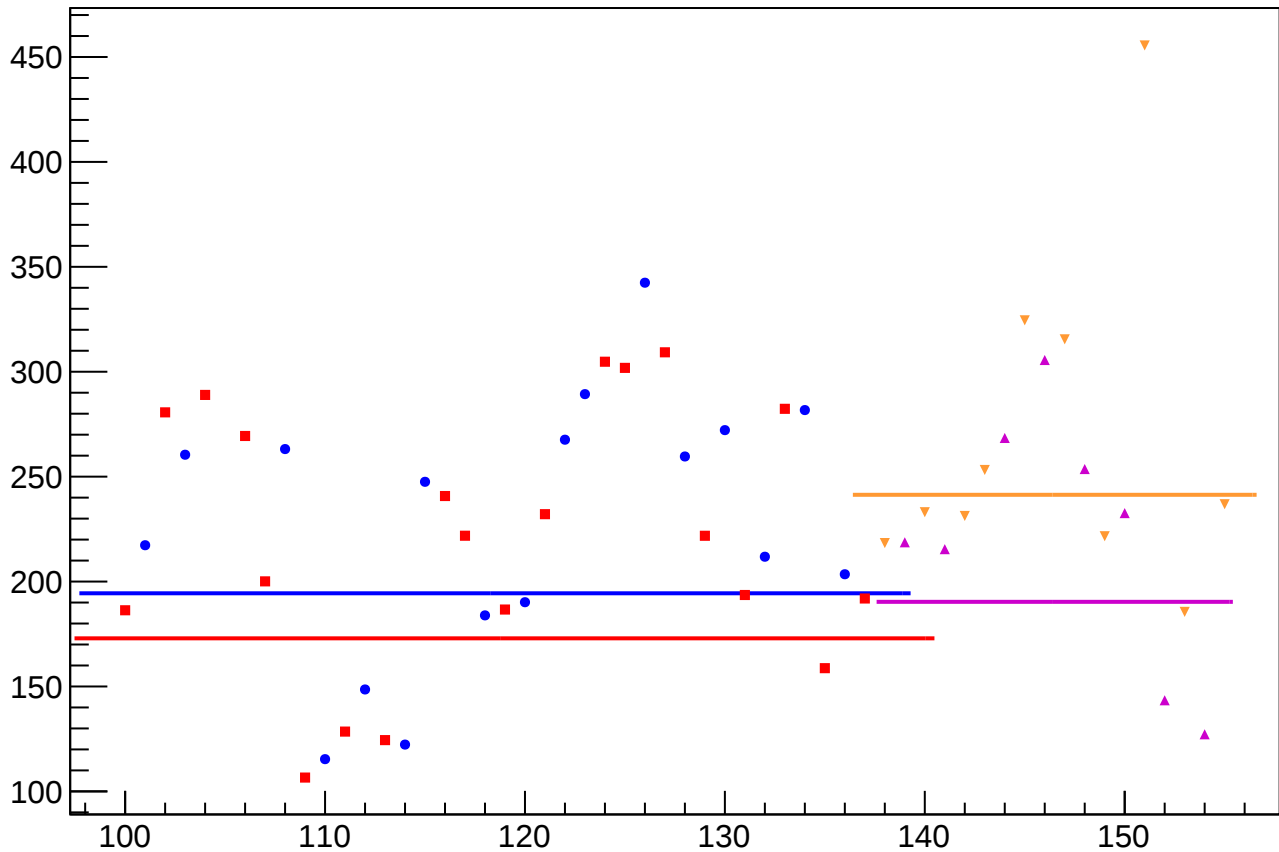
Left In: 90.486 $\pm$ 81.059 χ^2 /NDF: 3.7/7

70.753 $\pm$ 60.196 χ^2 /NDF: 10.5/26

49.113 $\pm$ 39.807 χ^2 /NDF: 21.1/54

32.294 $\pm$ 53.067 χ^2 /NDF: 10.4/27

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 241.349+/-0.065 χ^2/NDF : 689435.5/9

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

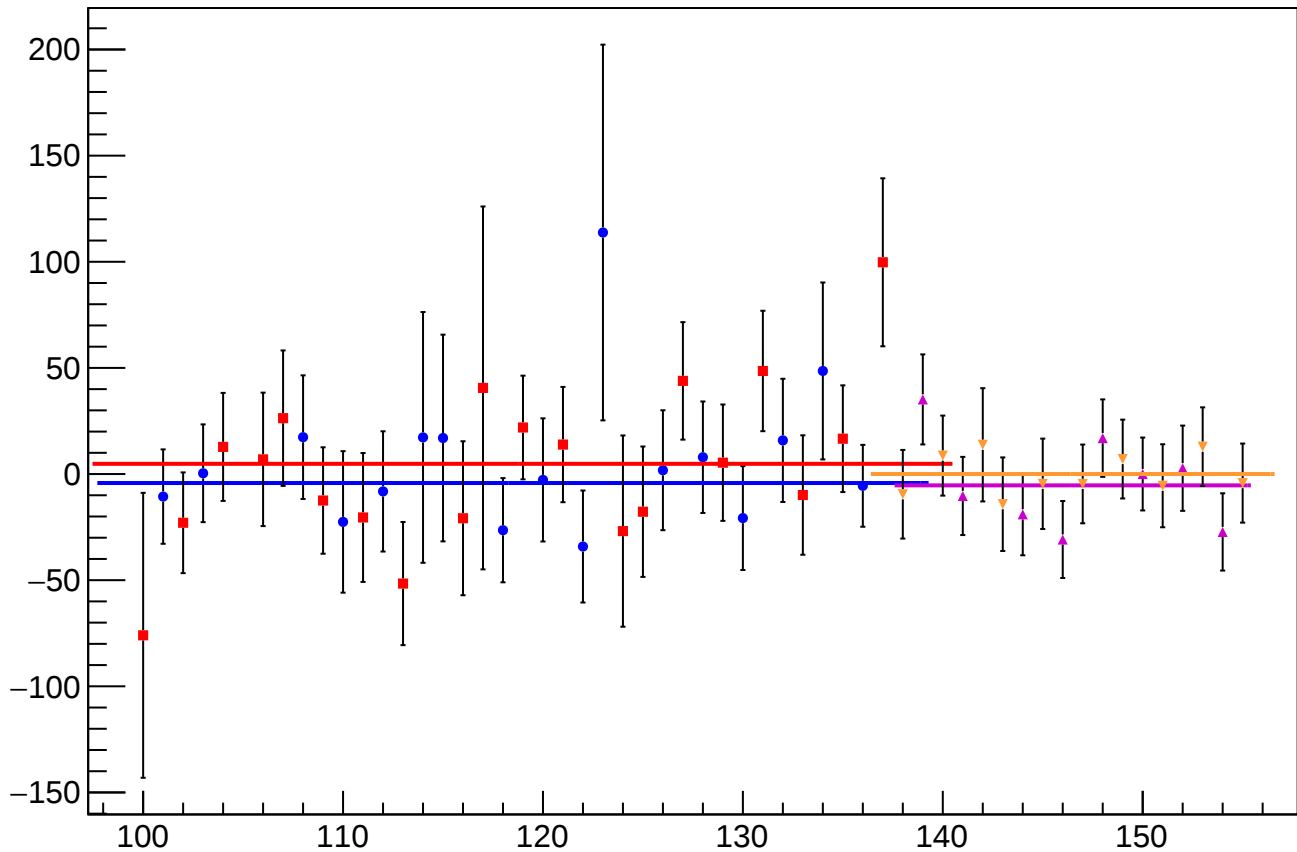
Left In: 190.338+/-0.057 χ^2/NDF : 1063055.3/7

214.373+/-0.043 χ^2/NDF : 2006576.0/26

195.256+/-0.028 χ^2/NDF : 5081727.7/54

180.398+/-0.038 χ^2/NDF : 2716649.5/27

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



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

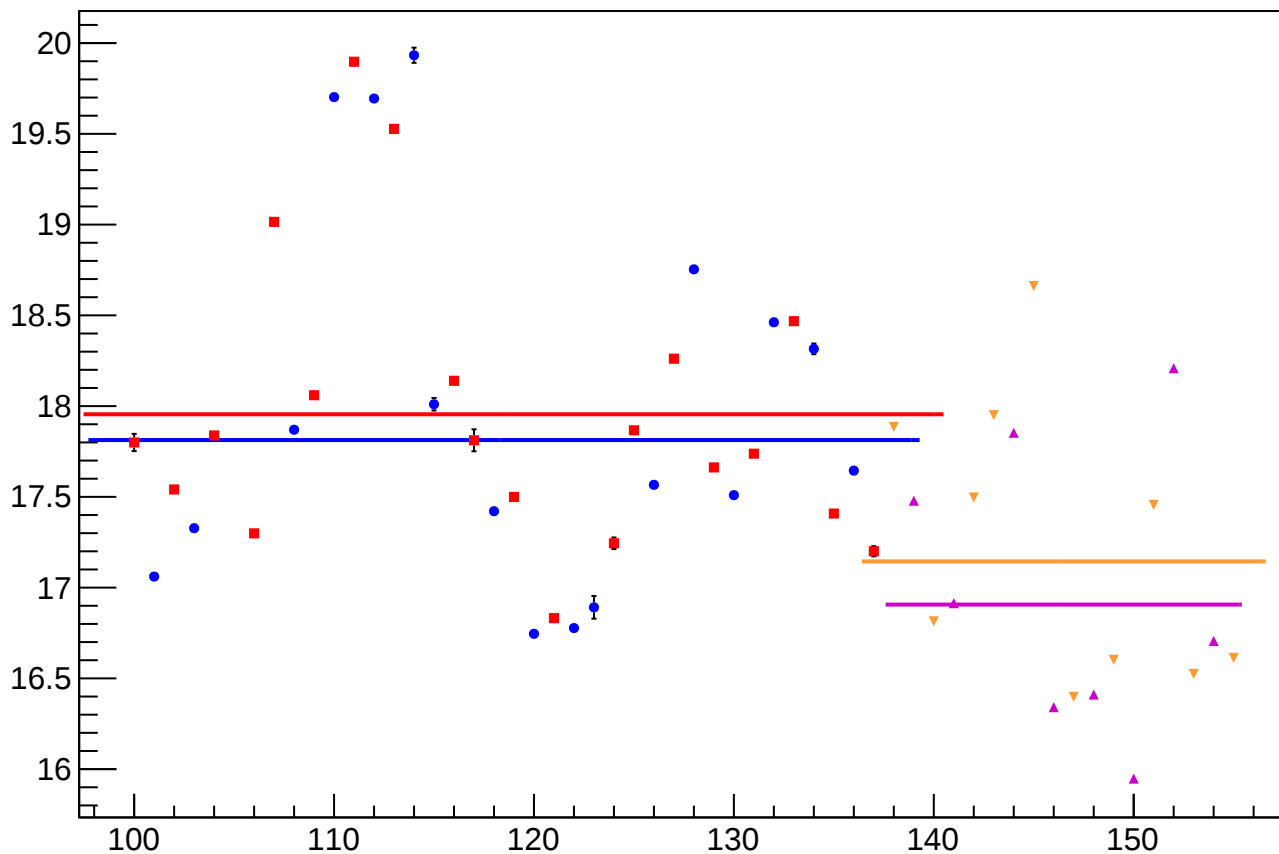
Left In: -5.339 ± 6.623 χ^2/NDF : 9.4/7

-1.930 ± 4.654 χ^2/NDF : 10.2/26

-1.135 ± 3.311 χ^2/NDF : 42.1/54

-0.321 ± 4.712 χ^2/NDF : 31.8/27

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



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

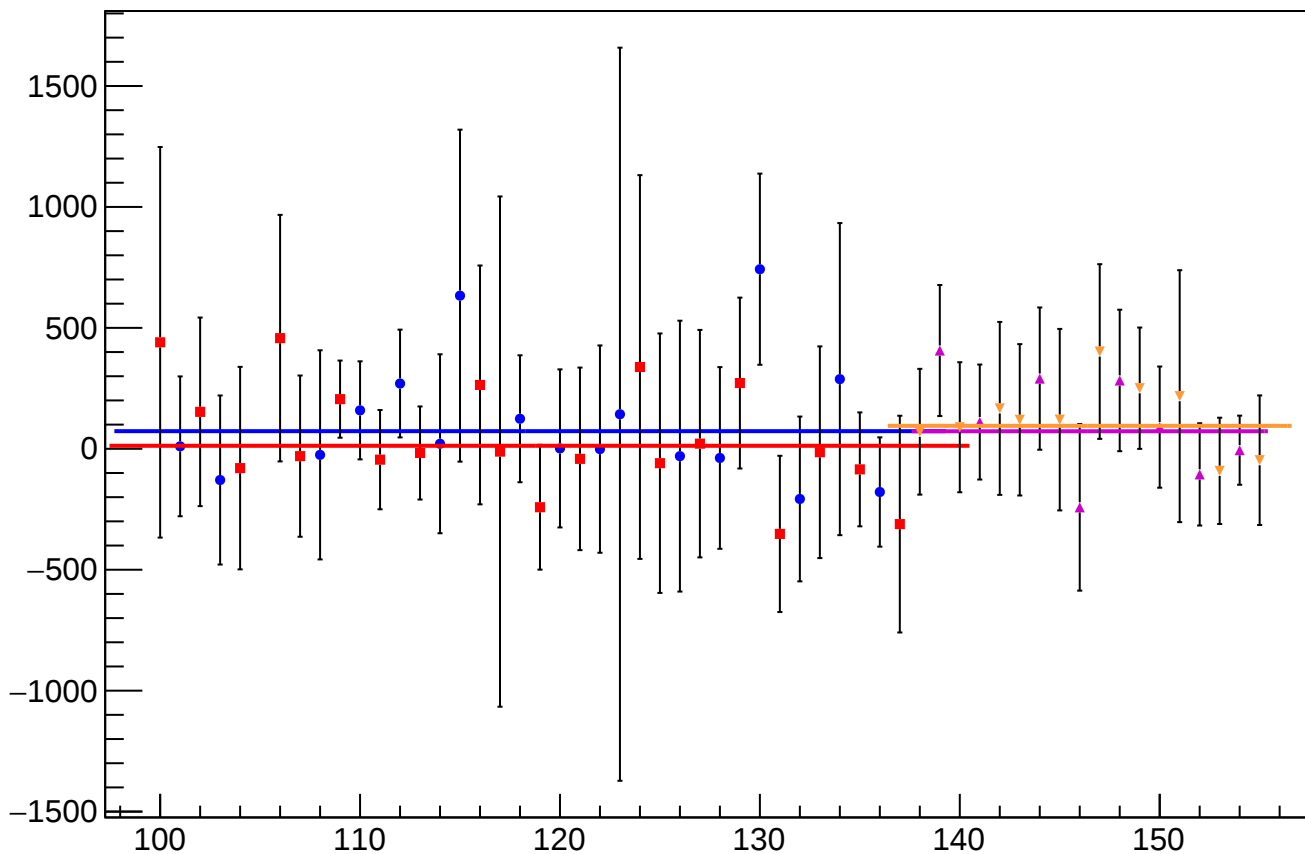
Left In: 16.907 ± 0.005 χ^2/NDF : 24579.0/7

17.451 ± 0.003 χ^2/NDF : 67918.3/26

17.438 ± 0.002 χ^2/NDF : 142731.3/54

17.424 ± 0.003 χ^2/NDF : 74780.7/27

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 72.888 $\pm$ 79.948 χ^2 /NDF: 7.2/16

Left Out: 94.968 $\pm$ 92.982 χ^2 /NDF: 2.2/9

Right Out: 12.456 $\pm$ 70.853 χ^2 /NDF: 6.7/19

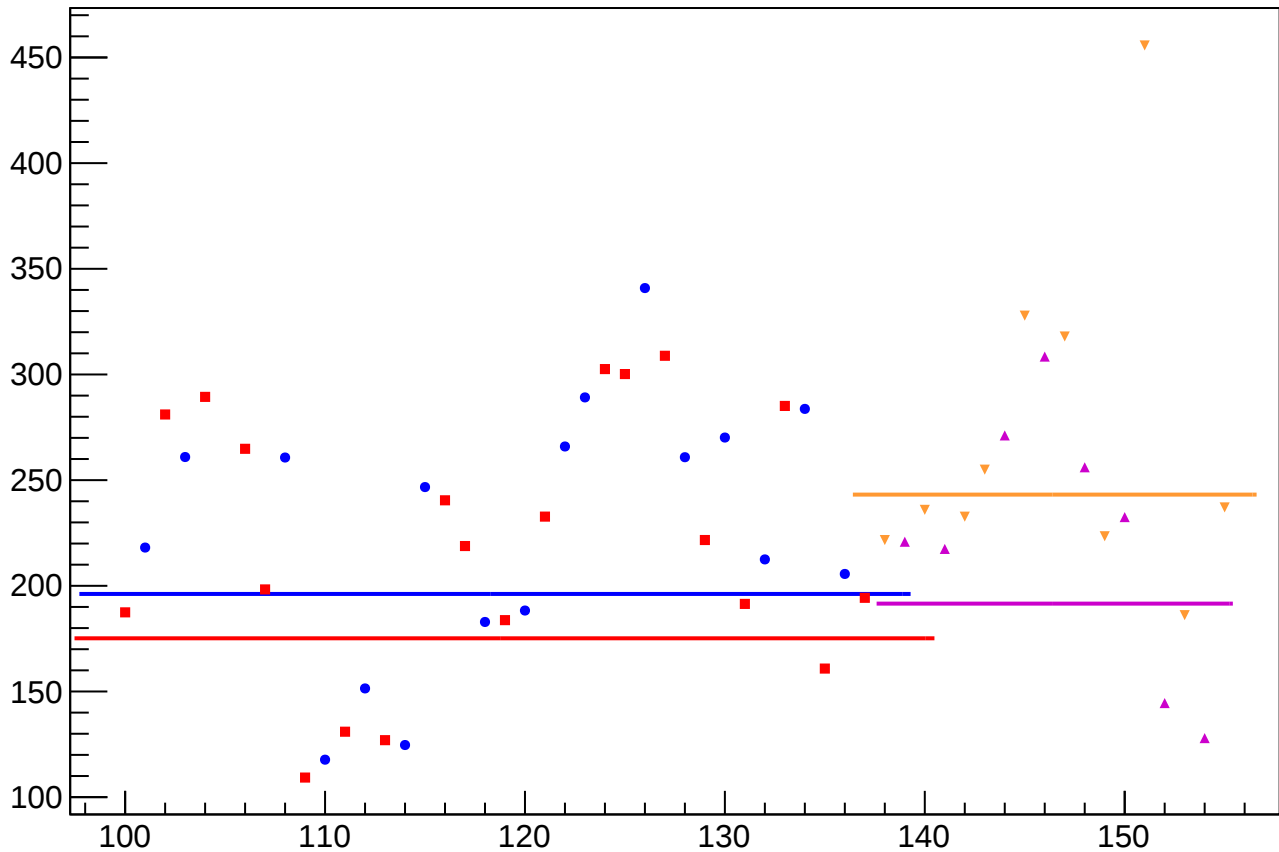
Left In: 72.504 $\pm$ 81.579 χ^2 /NDF: 4.5/7

82.273 $\pm$ 60.621 χ^2 /NDF: 9.5/26

57.537 $\pm$ 40.110 χ^2 /NDF: 21.3/54

38.275 $\pm$ 53.494 χ^2 /NDF: 11.5/27

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.151 +/- 0.057 χ^2/NDF : 964998.4/16

Left Out: 243.159 +/- 0.066 χ^2/NDF : 688551.3/9

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

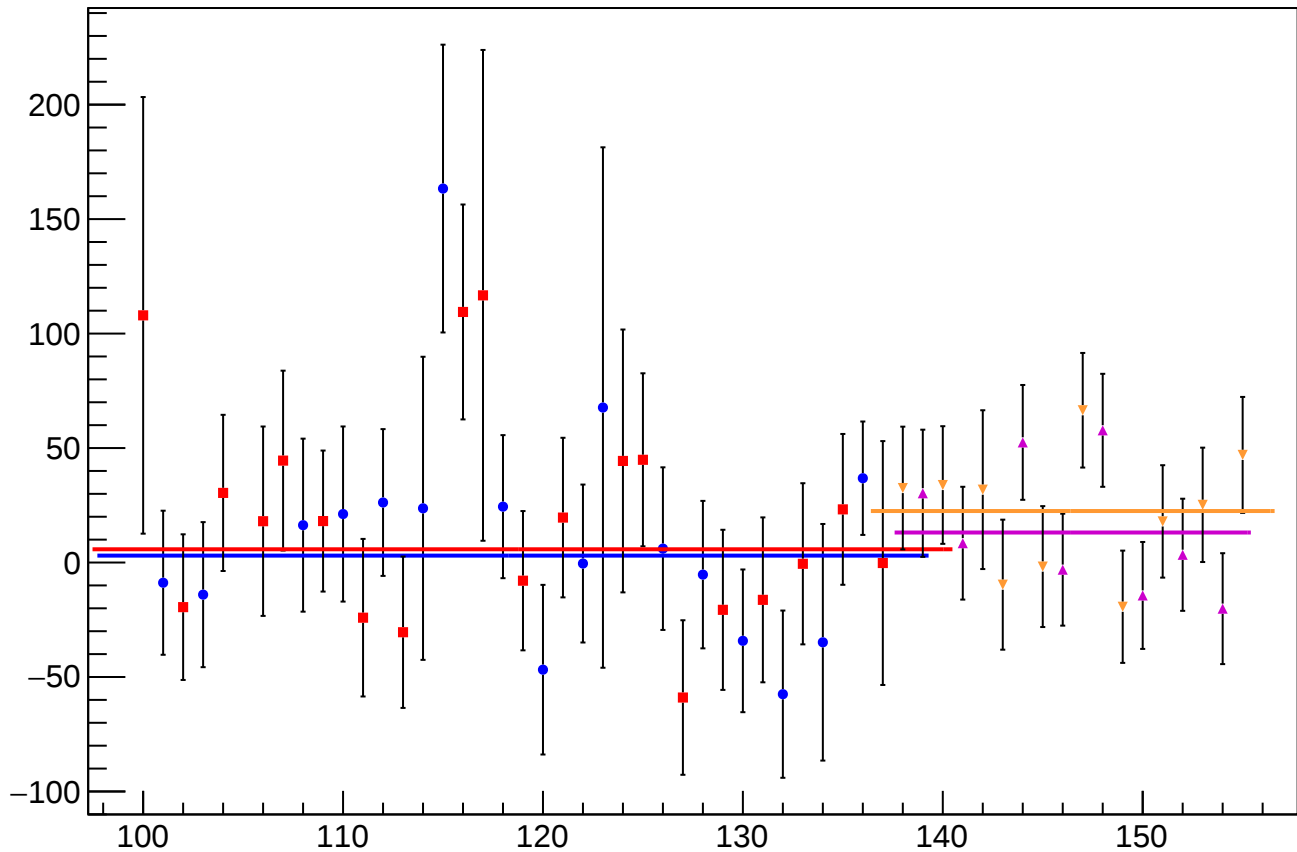
Left In: 191.572 +/- 0.058 χ^2/NDF : 1070134.7/7

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

197.065 +/- 0.028 χ^2/NDF : 4930025.2/54

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

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 18.3/19$

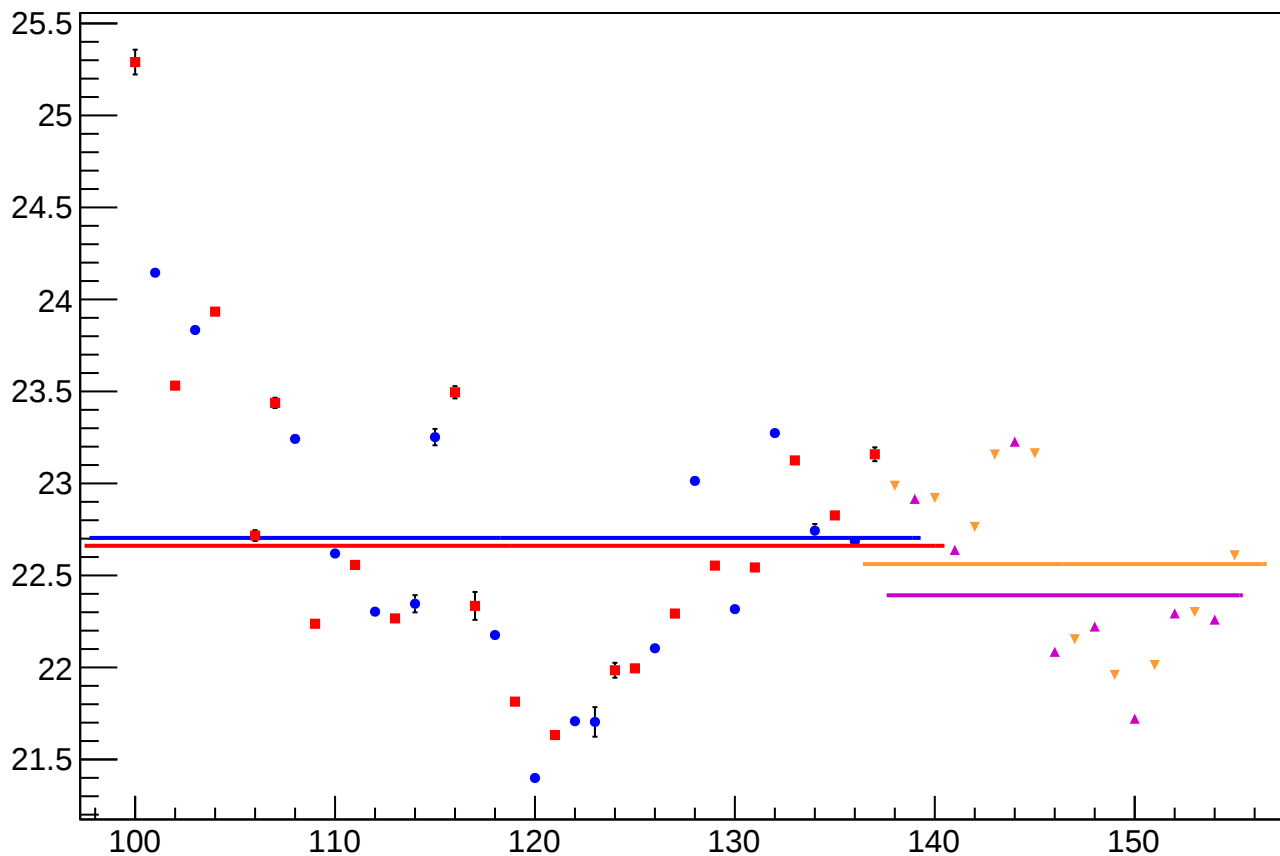
Left In: 13.108 ± 8.752 $\chi^2/\text{NDF}: 10.0/7$

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

11.310 ± 4.279 $\chi^2/\text{NDF}: 58.1/54$

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

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.704 $\pm$ 0.006 χ^2 /NDF: 14105.8/16

Left Out: 22.562 $\pm$ 0.006 χ^2 /NDF: 5844.1/9

Right Out: 22.661 $\pm$ 0.006 χ^2 /NDF: 12962.1/19

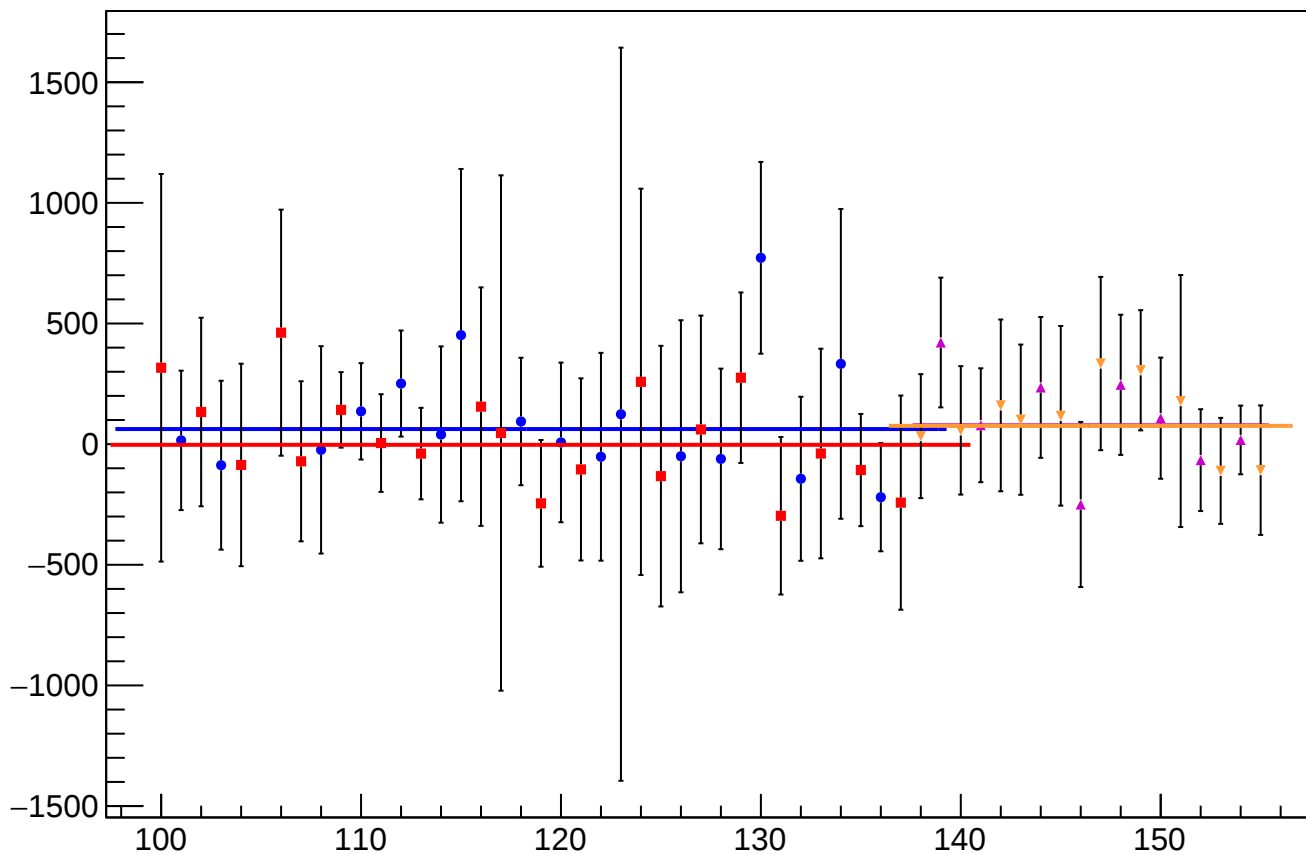
Left In: 22.392 $\pm$ 0.006 χ^2 /NDF: 5279.9/7

22.629 $\pm$ 0.004 χ^2 /NDF: 20227.6/26

22.581 $\pm$ 0.003 χ^2 /NDF: 39707.4/54

22.531 $\pm$ 0.004 χ^2 /NDF: 19219.1/27

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 62.573 $\pm$ 79.605 χ^2 /NDF: 7.0/16

Left Out: 75.781 $\pm$ 92.517 χ^2 /NDF: 2.7/9

Right Out: -2.824 $\pm$ 70.364 χ^2 /NDF: 5.2/19

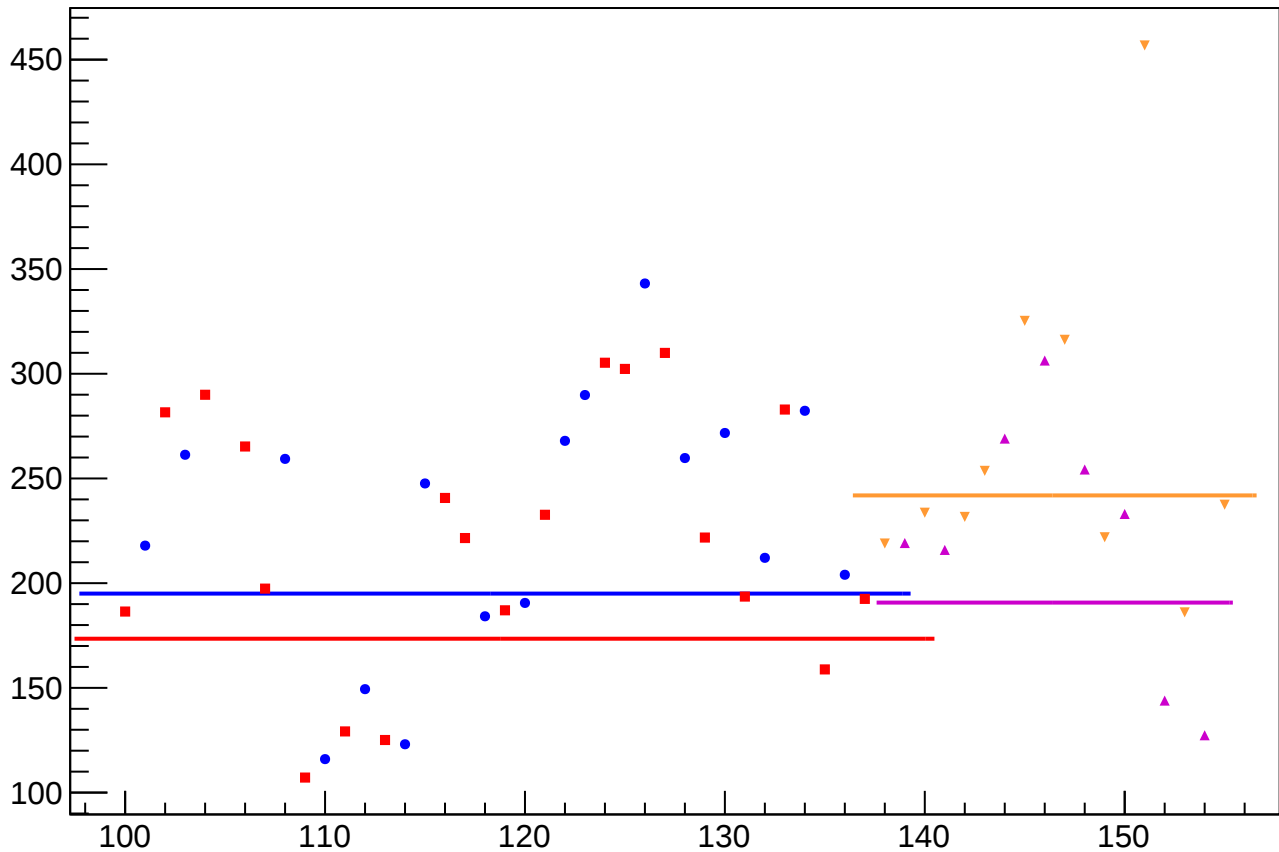
Left In: 78.140 $\pm$ 81.228 χ^2 /NDF: 3.8/7

68.192 $\pm$ 60.342 χ^2 /NDF: 9.7/26

47.758 $\pm$ 39.899 χ^2 /NDF: 19.6/54

31.885 $\pm$ 53.184 χ^2 /NDF: 9.6/27

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.022+/-0.056 χ^2/NDF : 1004284.9/16

Left Out: 241.906+/-0.065 χ^2/NDF : 689528.6/9

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

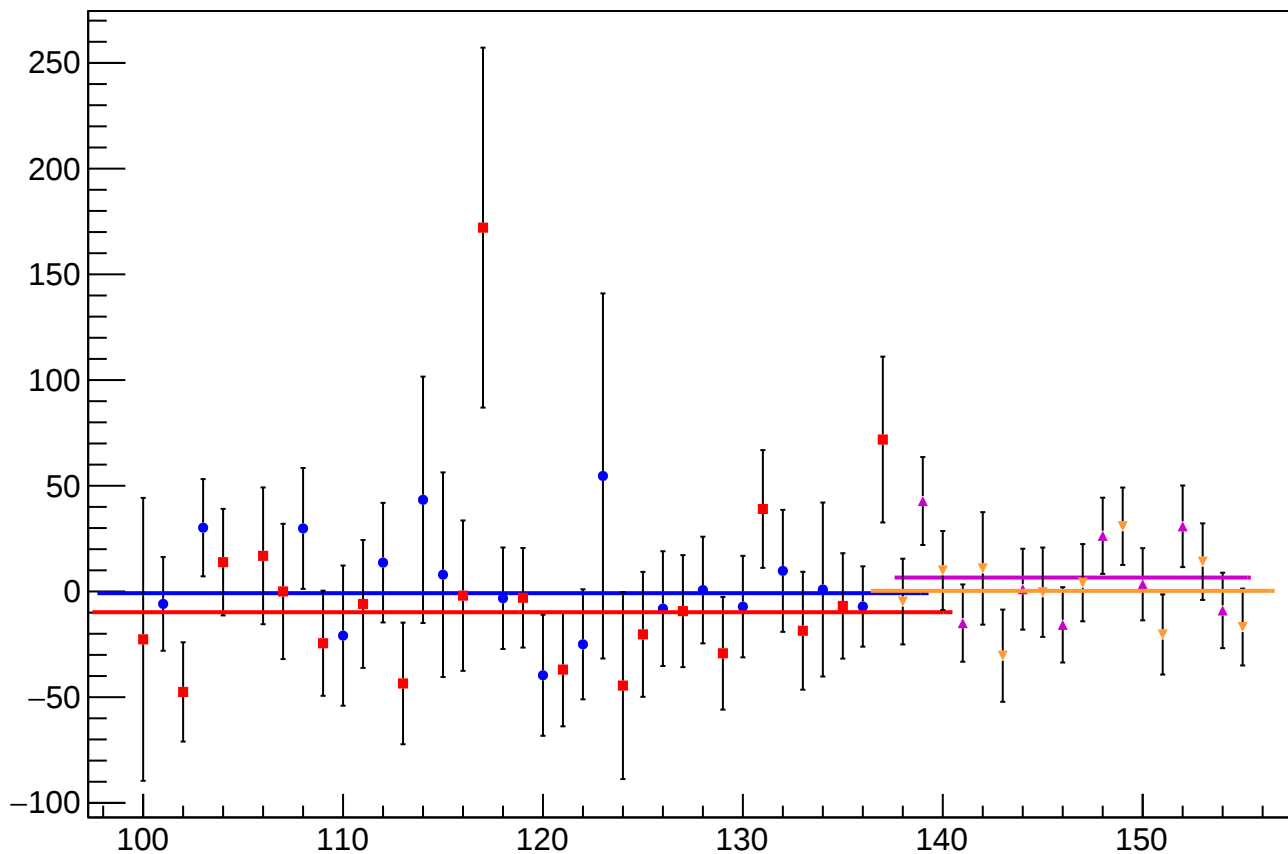
Left In: 190.724+/-0.057 χ^2/NDF : 1064259.2/7

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

195.776+/-0.028 χ^2/NDF : 5046442.8/54

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

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.801 ± 6.770 χ^2/NDF : 7.8/16

Left Out: 0.296 ± 6.213 χ^2/NDF : 8.0/9

Right Out: -9.809 ± 6.606 χ^2/NDF : 20.5/19

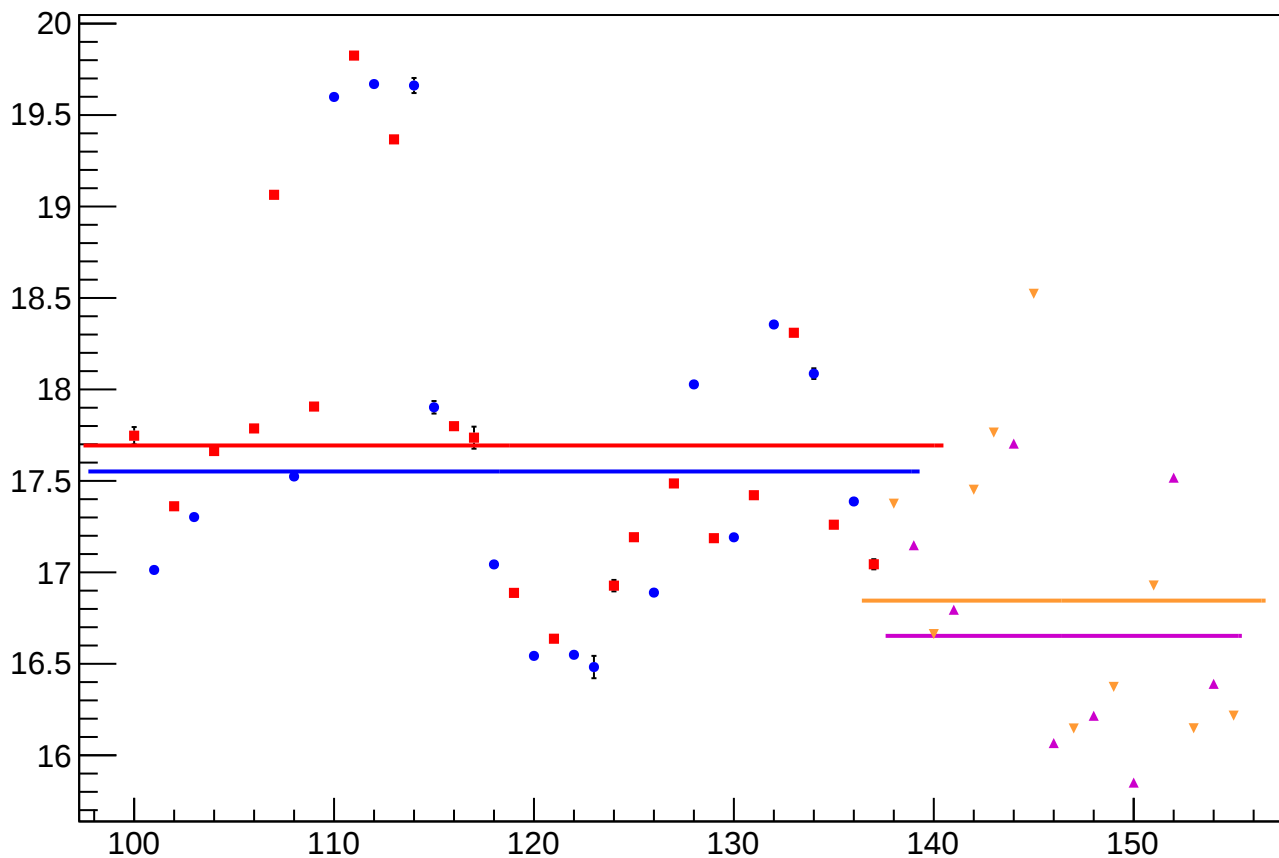
Left In: 6.580 ± 6.520 χ^2/NDF : 9.6/7

-0.206 ± 4.578 χ^2/NDF : 15.7/26

-0.848 ± 3.259 χ^2/NDF : 49.1/54

-1.507 ± 4.641 χ^2/NDF : 33.3/27

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



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

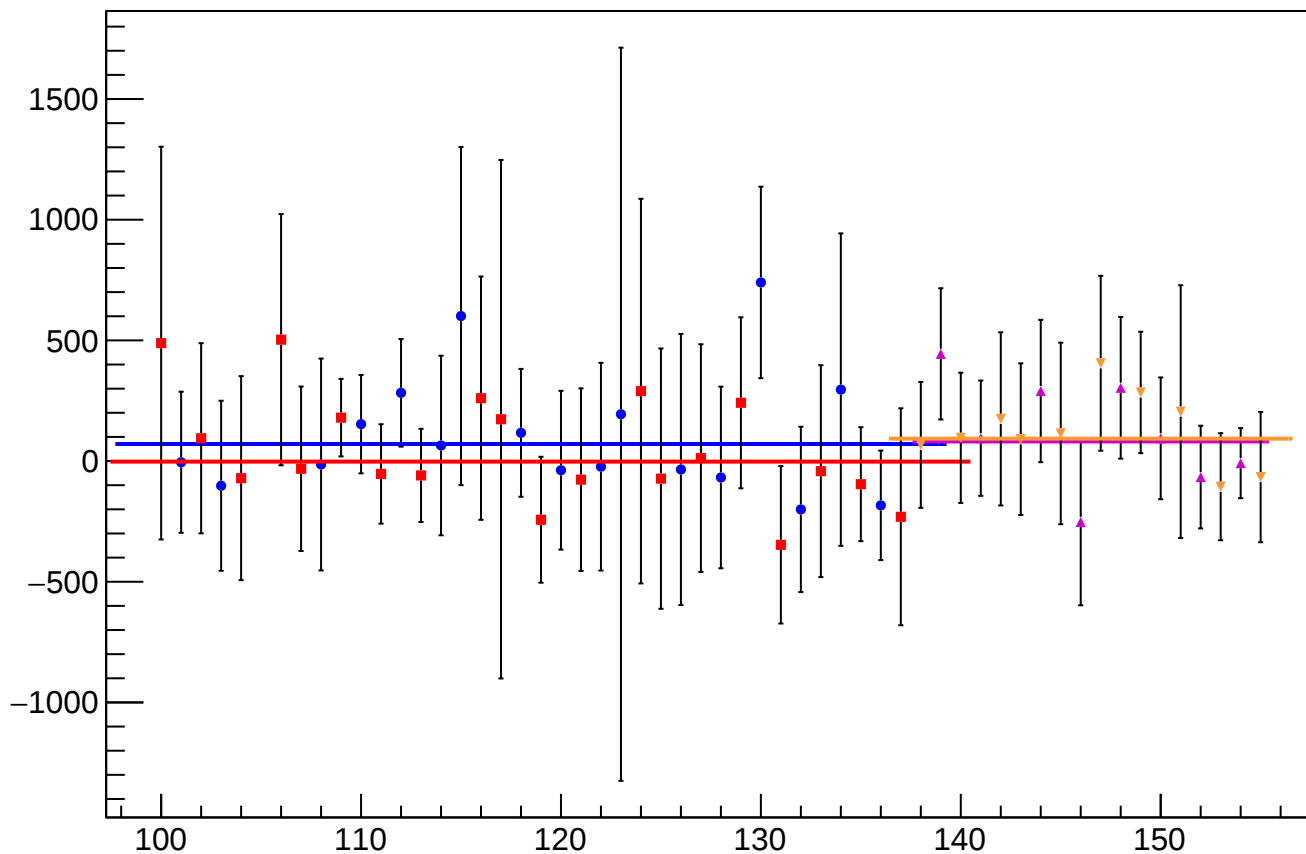
Left In: 16.653+/-0.005 χ^2/NDF : 19503.0/7

17.168+/-0.003 χ^2/NDF : 74248.9/26

17.167+/-0.002 χ^2/NDF : 149644.2/54

17.166+/-0.003 χ^2/NDF : 75395.1/27

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



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

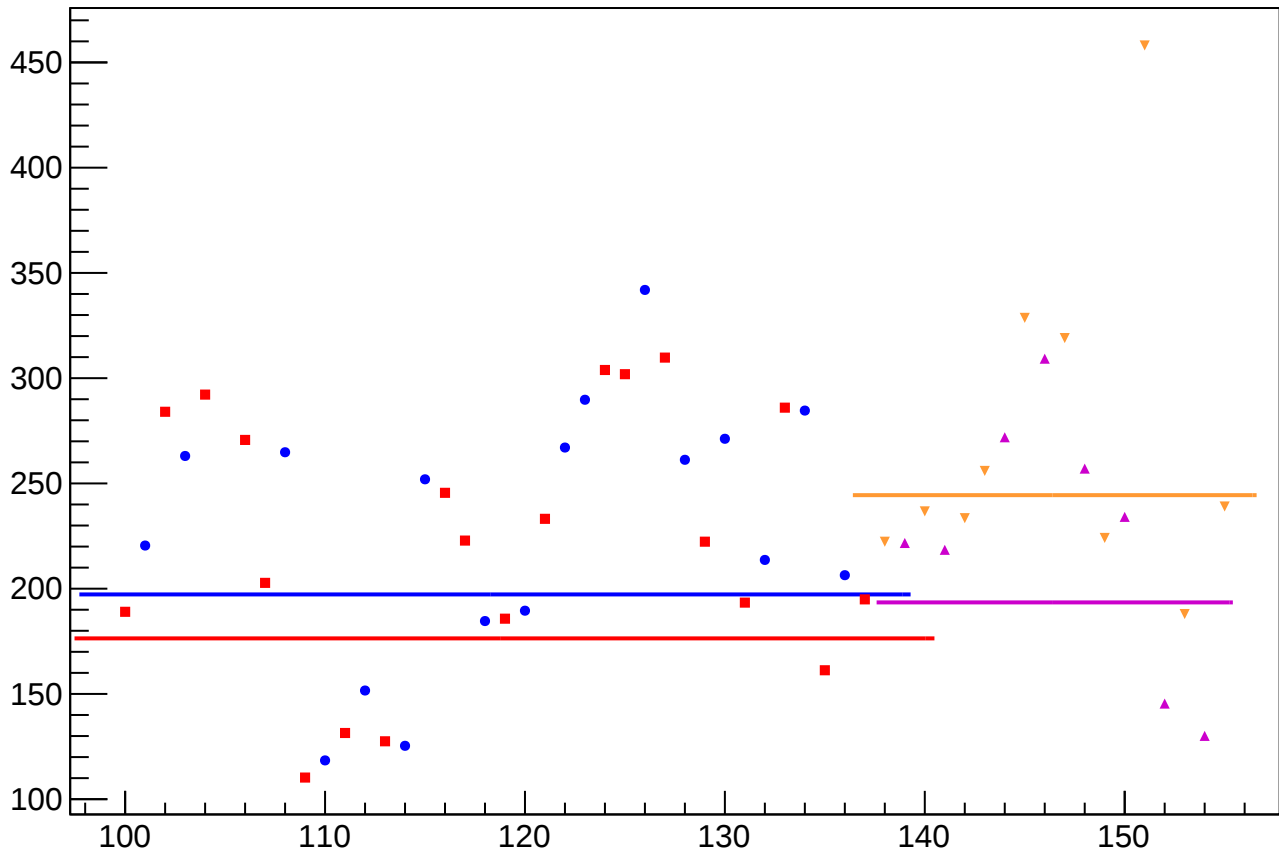
Left In: 81.344+/-82.265 χ^2/NDF : 4.7/7

80.159+/-60.948 χ^2/NDF : 9.8/26

54.043+/-40.376 χ^2/NDF : 21.6/54

33.617+/-53.901 χ^2/NDF : 11.4/27

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.271 +/- 0.057 χ^2/NDF : 969549.7/16

Left Out: 244.431 +/- 0.066 χ^2/NDF : 682209.1/9

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

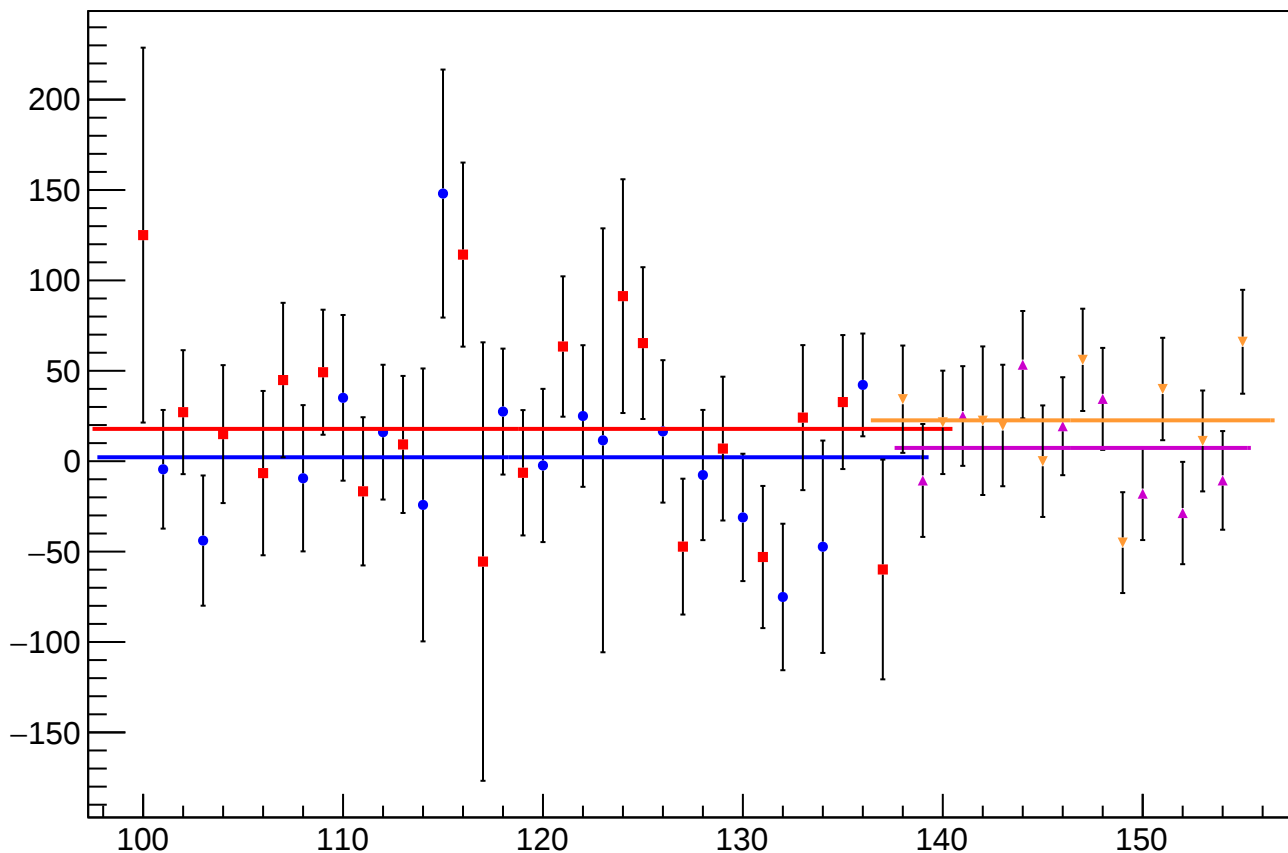
Left In: 193.479 +/- 0.058 χ^2/NDF : 1038704.5/7

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

198.476 +/- 0.029 χ^2/NDF : 4897221.6/54

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

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



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

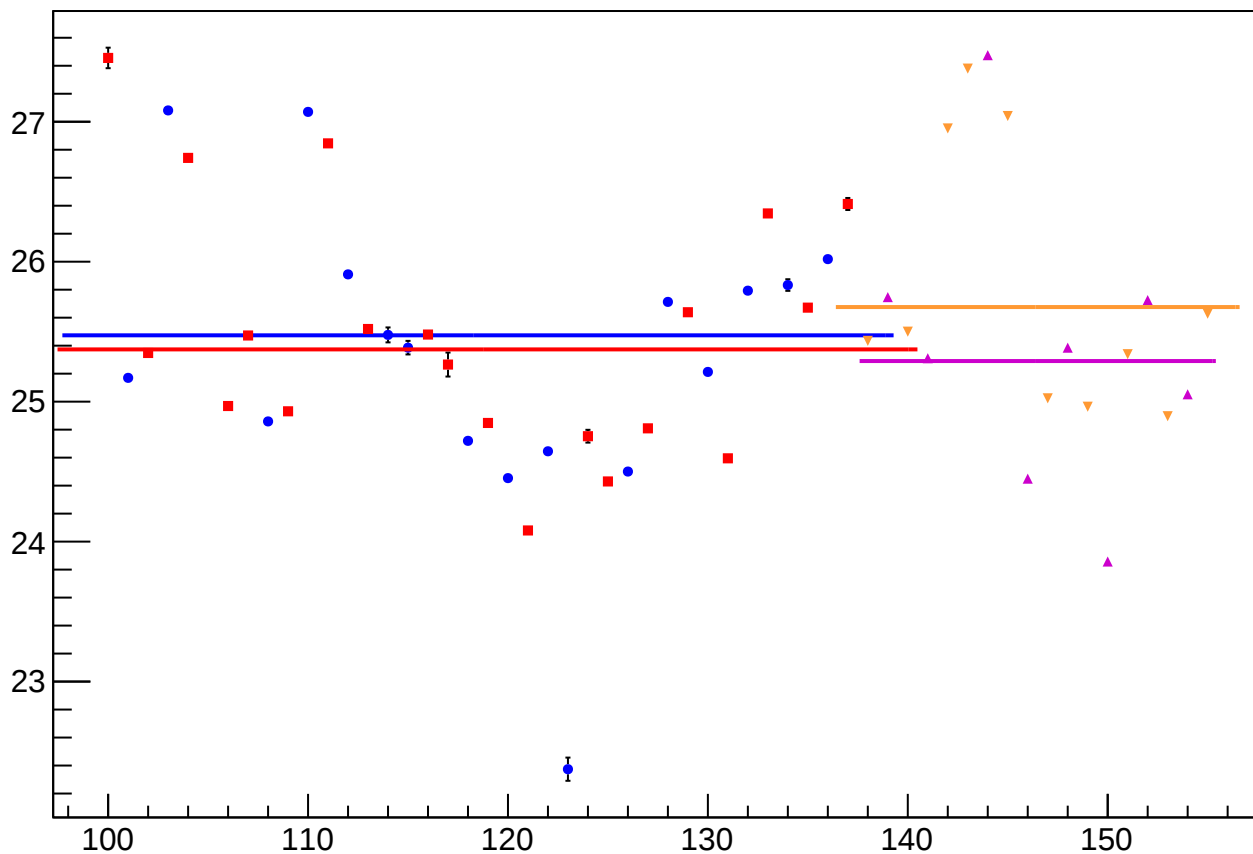
Left In: 7.343 $\pm$ 9.899 χ^2 /NDF:7.3/7

12.771 $\pm$ 6.816 χ^2 /NDF: 28.4/26

12.805 $\pm$ 4.829 χ^2 /NDF: 56.3/54

12.840 $\pm$ 6.842 χ^2 /NDF: 27.8/27

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



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

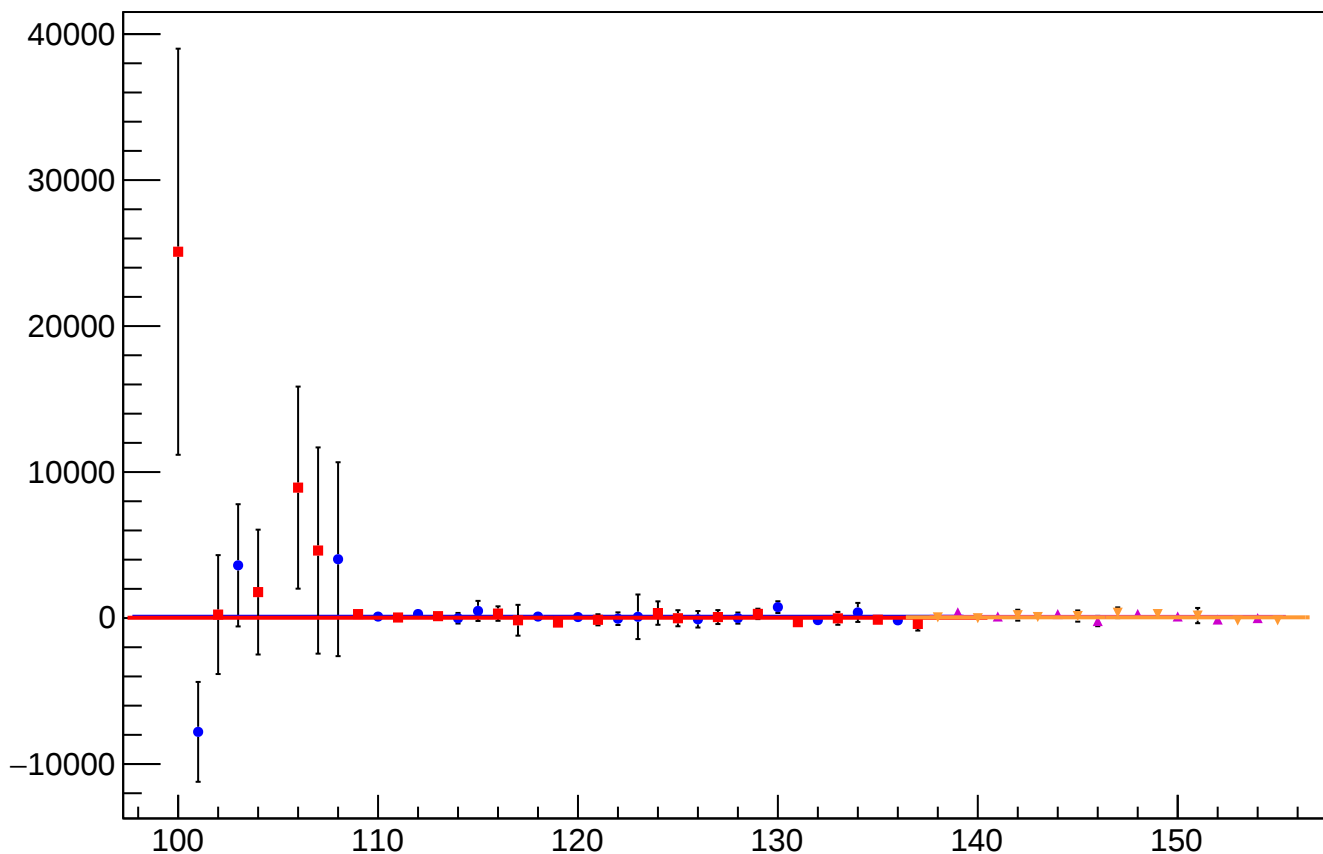
Left In: 25.290 $\pm$ 0.007 χ^2 /NDF:20060.2/7

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

25.457 $\pm$ 0.003 χ^2 /NDF: 64917.9/54

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

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



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

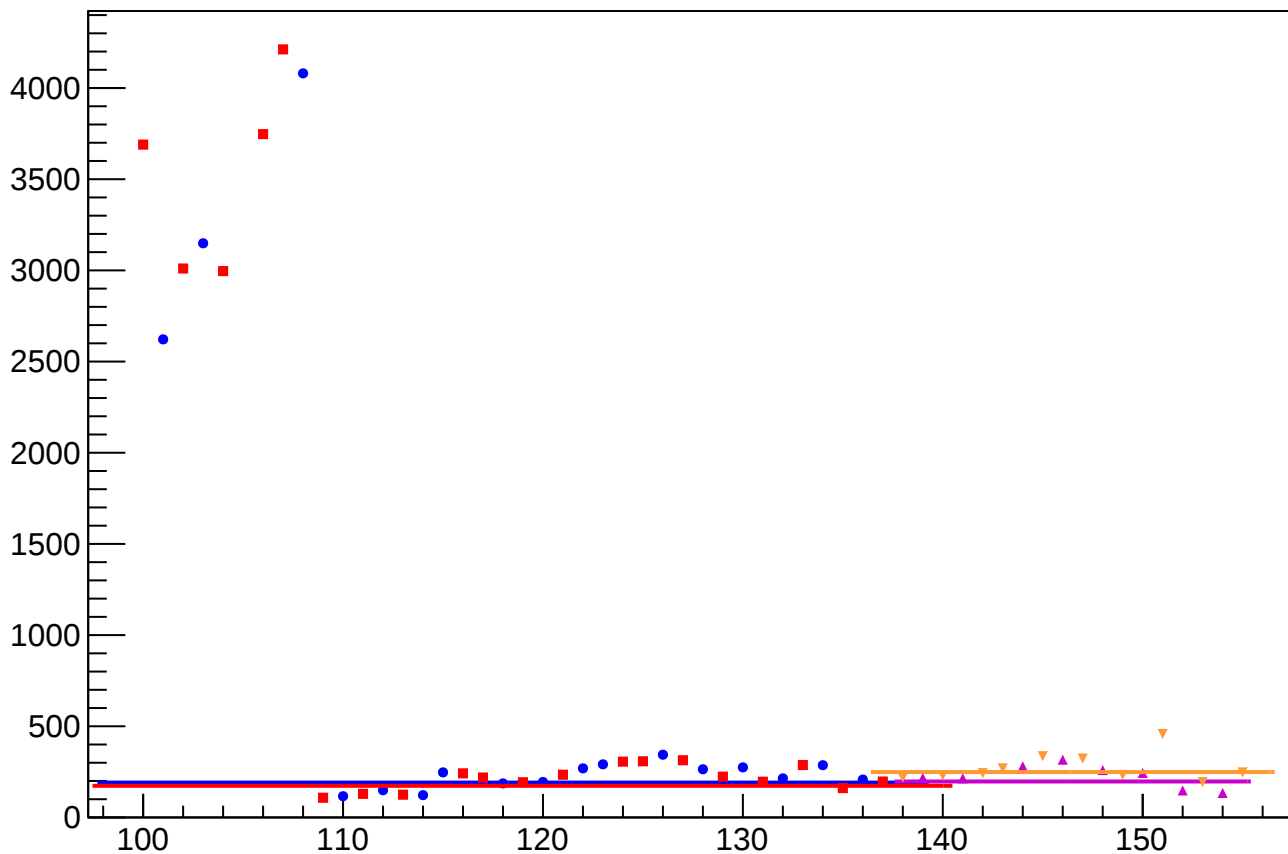
Left In: 79.295+/-83.708 χ^2/NDF : 3.9/7

71.228+/-64.453 χ^2/NDF : 15.7/26

59.172+/-43.148 χ^2/NDF : 31.8/54

49.380+/-58.085 χ^2/NDF : 16.1/27

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



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

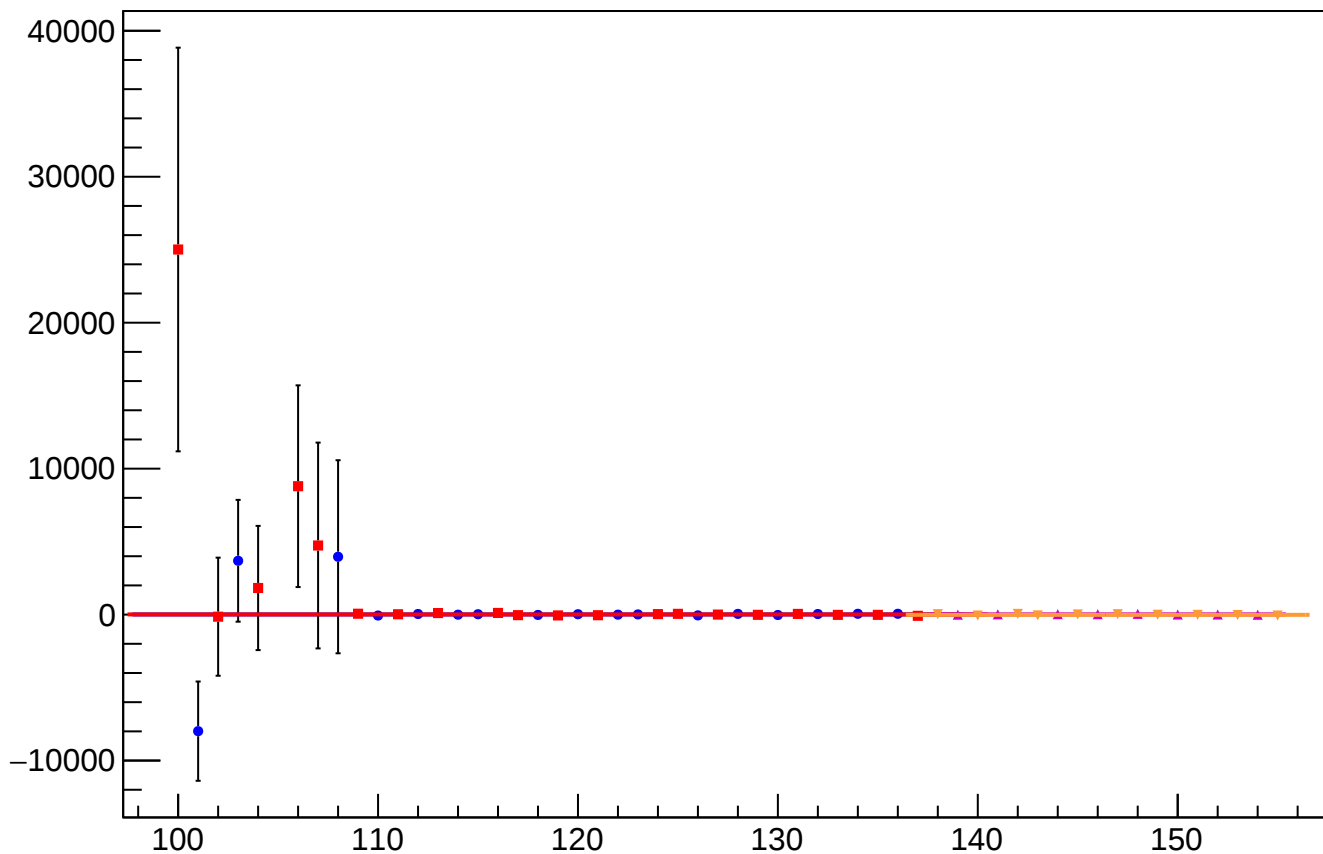
Left In: 197.231+/-0.059 χ^2/NDF : 1009847.8/7

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

199.643+/-0.031 χ^2/NDF : 10234146.6/54

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

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



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

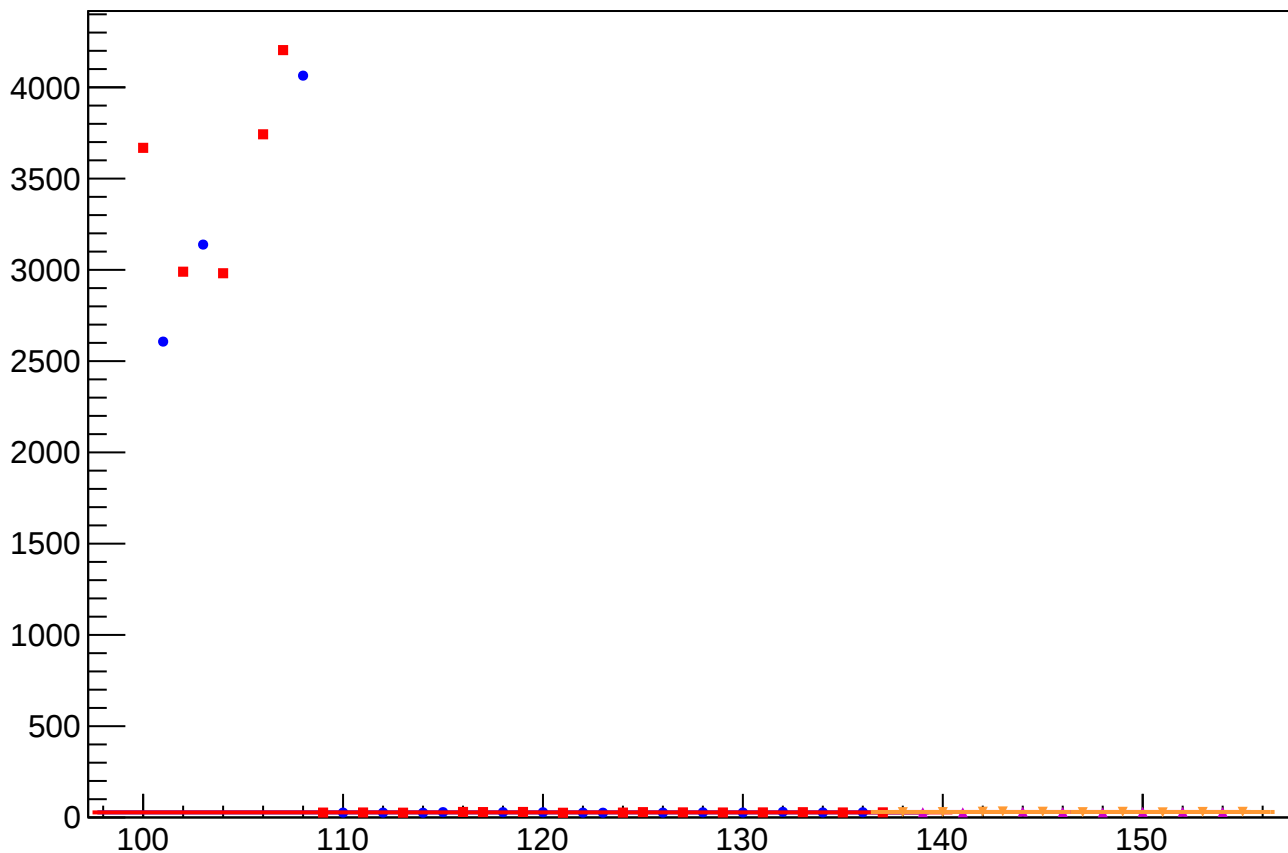
Left In: 17.179+/-11.793 χ^2/NDF : 2.6/7

-3.443+/-8.197 χ^2/NDF : 31.2/26

5.450+/-5.891 χ^2/NDF : 60.8/54

14.951+/-8.473 χ^2/NDF : 27.2/27

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



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

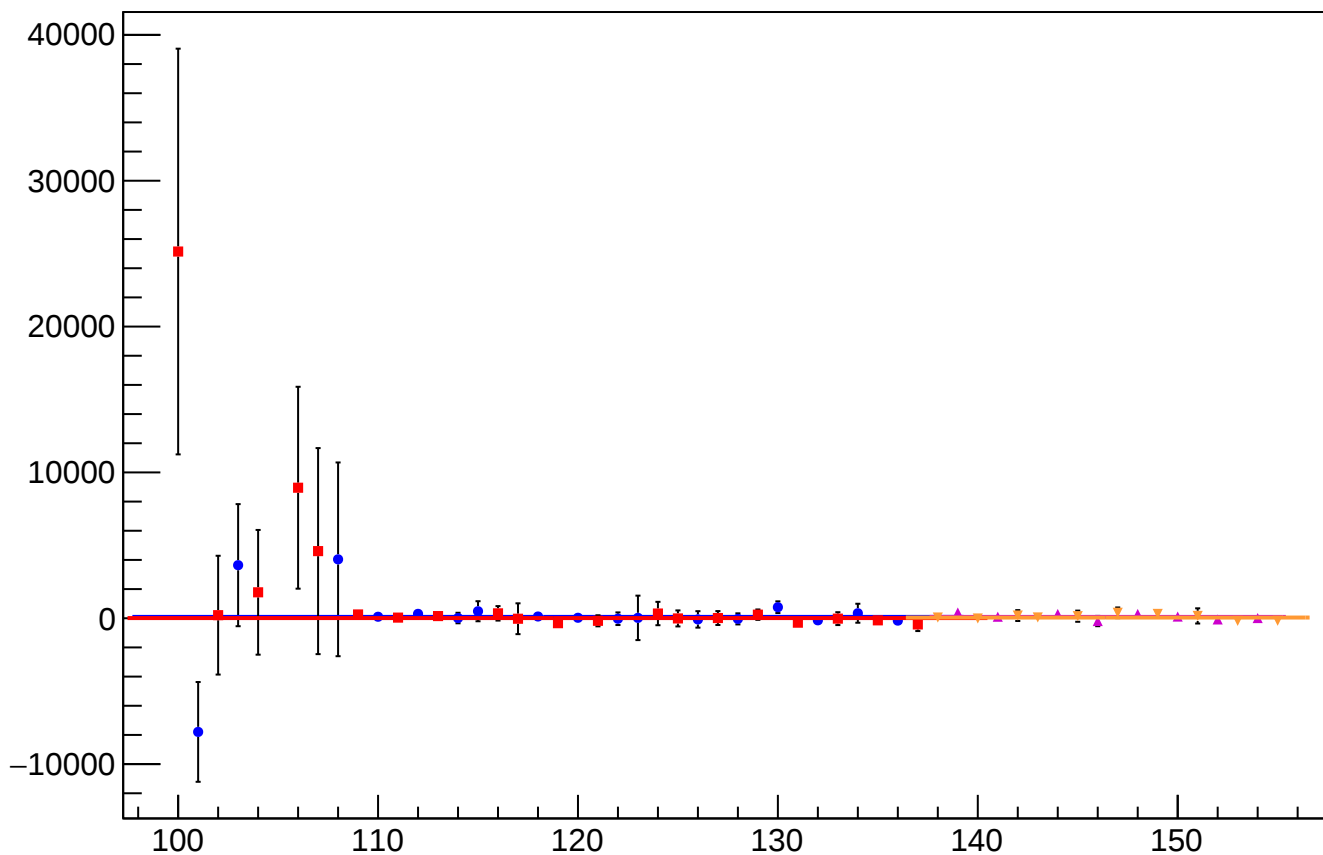
Left In: 30.057+/-0.008 χ^2/NDF : 30489.0/7

29.022+/-0.006 χ^2/NDF : 3092013.8/26

28.973+/-0.004 χ^2/NDF : 6638168.6/54

28.920+/-0.006 χ^2/NDF : 3546003.7/27

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 92.840 $\pm$ 87.359 χ^2 /NDF: 12.6/16

Left Out: 48.979 $\pm$ 94.918 χ^2 /NDF: 3.6/9

Right Out: 12.509 $\pm$ 80.407 χ^2 /NDF: 12.7/19

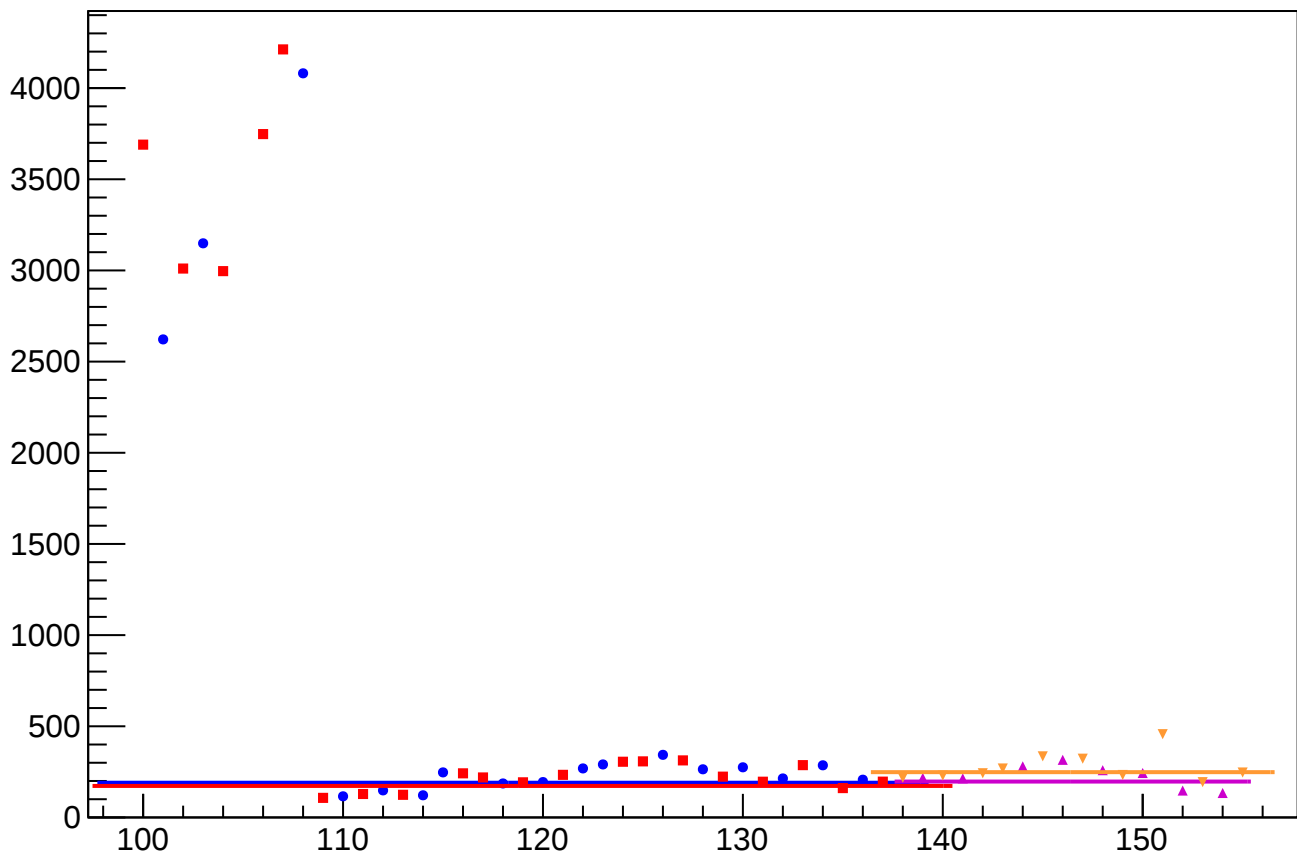
Left In: 91.553 $\pm$ 83.536 χ^2 /NDF: 3.8/7

72.725 $\pm$ 64.278 χ^2 /NDF: 16.4/26

60.474 $\pm$ 43.033 χ^2 /NDF: 33.4/54

50.522 $\pm$ 57.931 χ^2 /NDF: 16.9/27

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



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

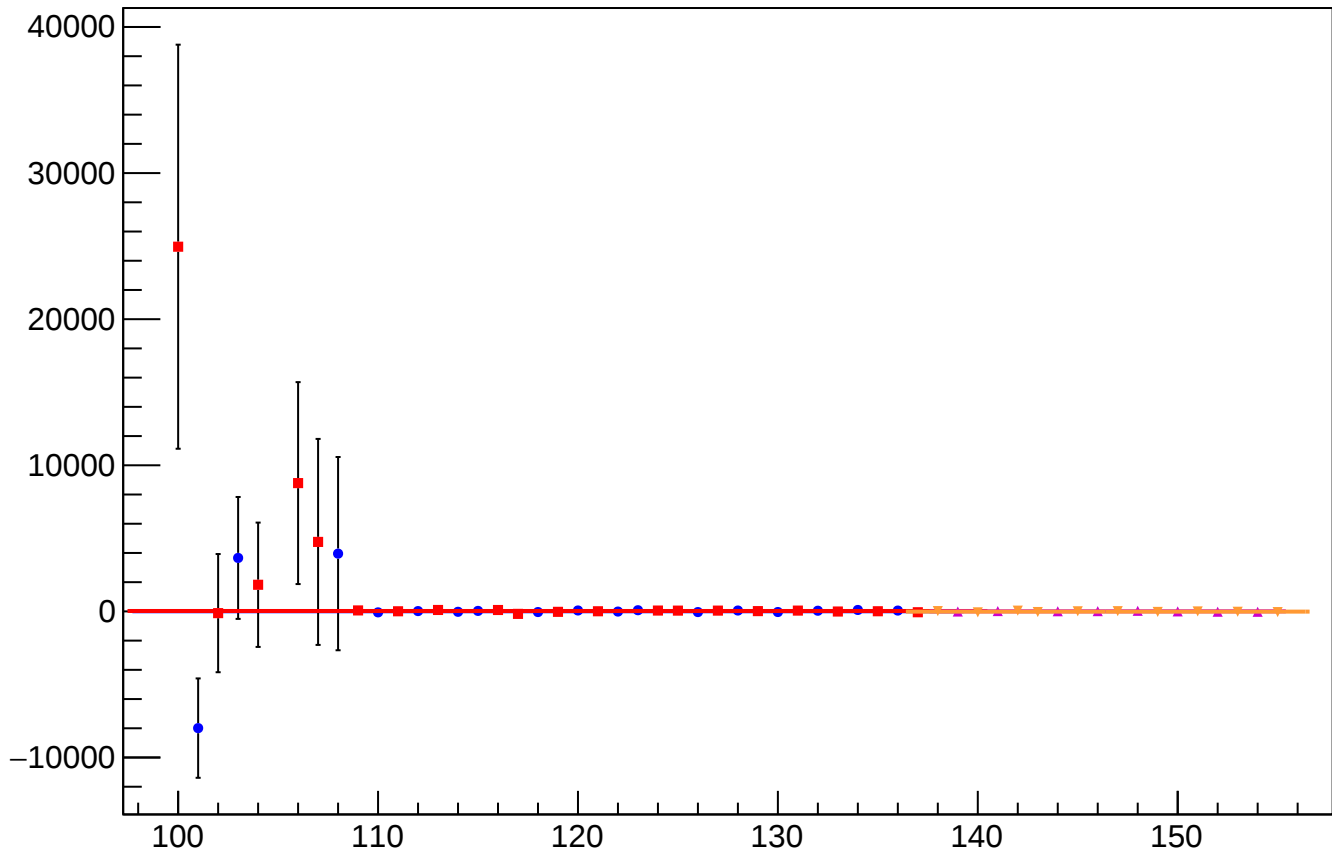
Left In: 196.837+/-0.059 χ^2/NDF : 1008886.8/7

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

199.044+/-0.030 χ^2/NDF : 10262396.2/54

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

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



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

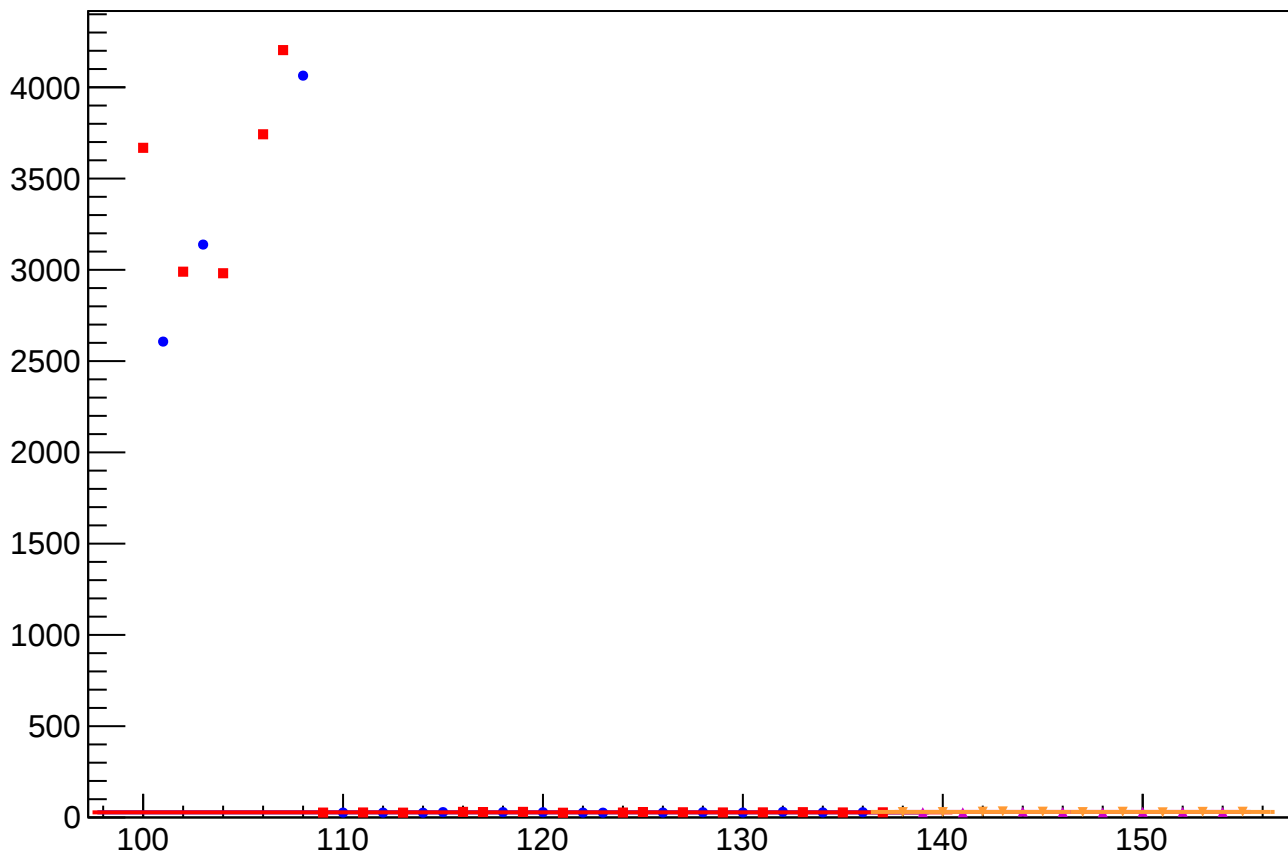
Left In: 5.965 $\pm$ 11.857 χ^2 /NDF: 3.3/7

-3.993 $\pm$ 8.257 χ^2 /NDF: 33.9/26

5.995 $\pm$ 5.933 χ^2 /NDF: 60.3/54

16.656 $\pm$ 8.530 χ^2 /NDF: 23.5/27

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



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

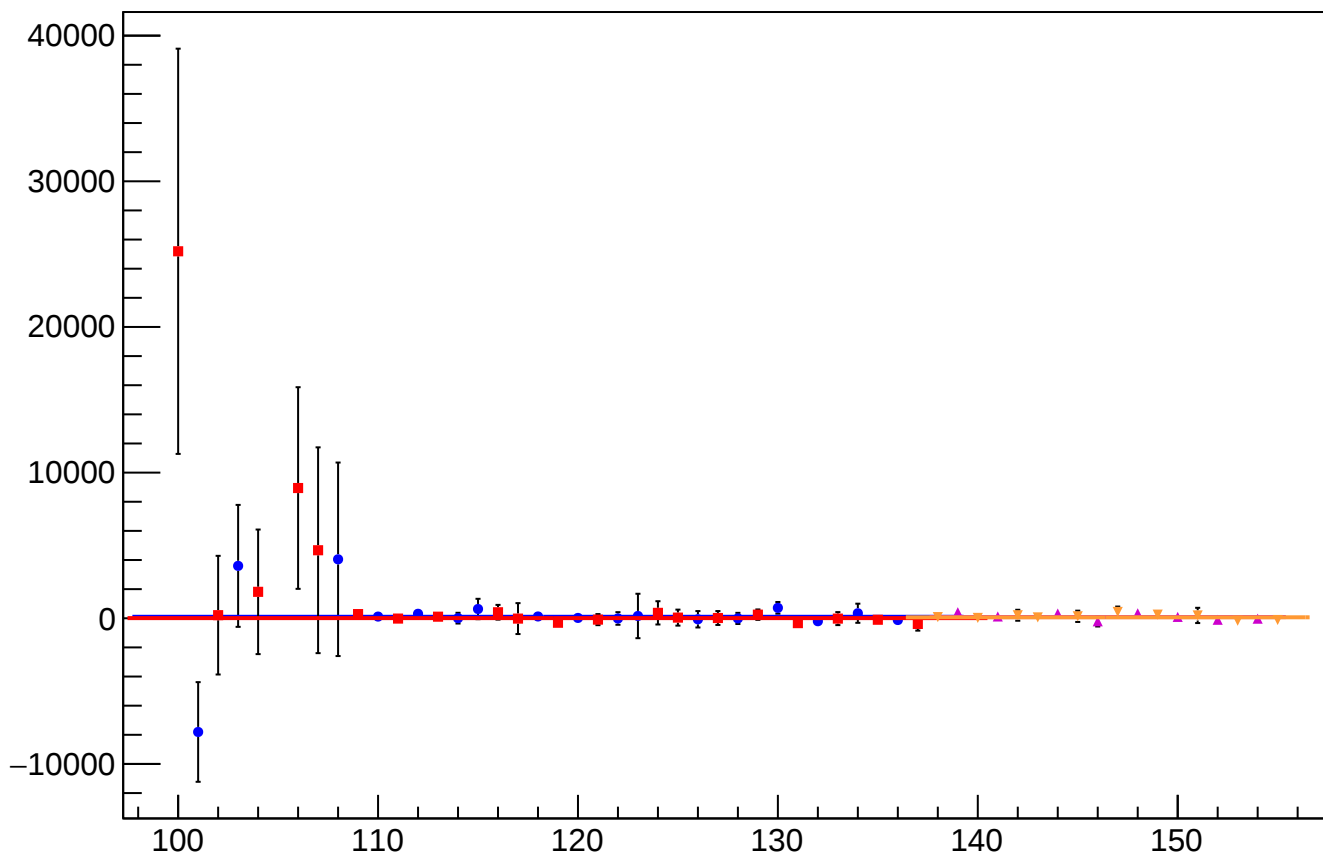
Left In: 30.226+/-0.008 χ^2/NDF : 30829.0/7

29.229+/-0.006 χ^2/NDF : 3094703.7/26

29.175+/-0.004 χ^2/NDF : 6641780.8/54

29.118+/-0.006 χ^2/NDF : 3546902.6/27

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



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

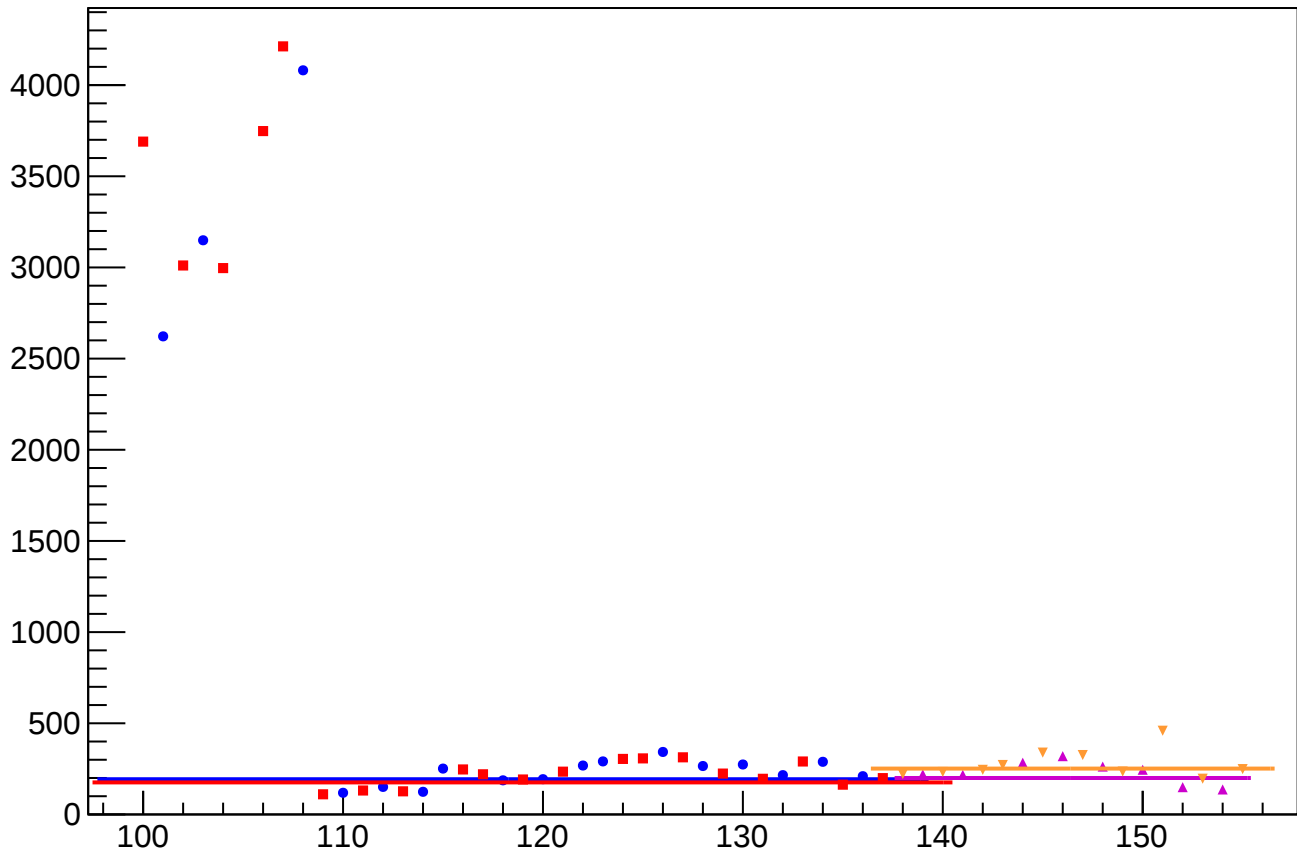
Left In: 83.168 $\pm$ 84.729 χ^2 /NDF: 4.8/7

85.858 $\pm$ 65.043 χ^2 /NDF: 15.7/26

63.735 $\pm$ 43.591 χ^2 /NDF: 33.4/54

45.696 $\pm$ 58.732 χ^2 /NDF: 17.5/27

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



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

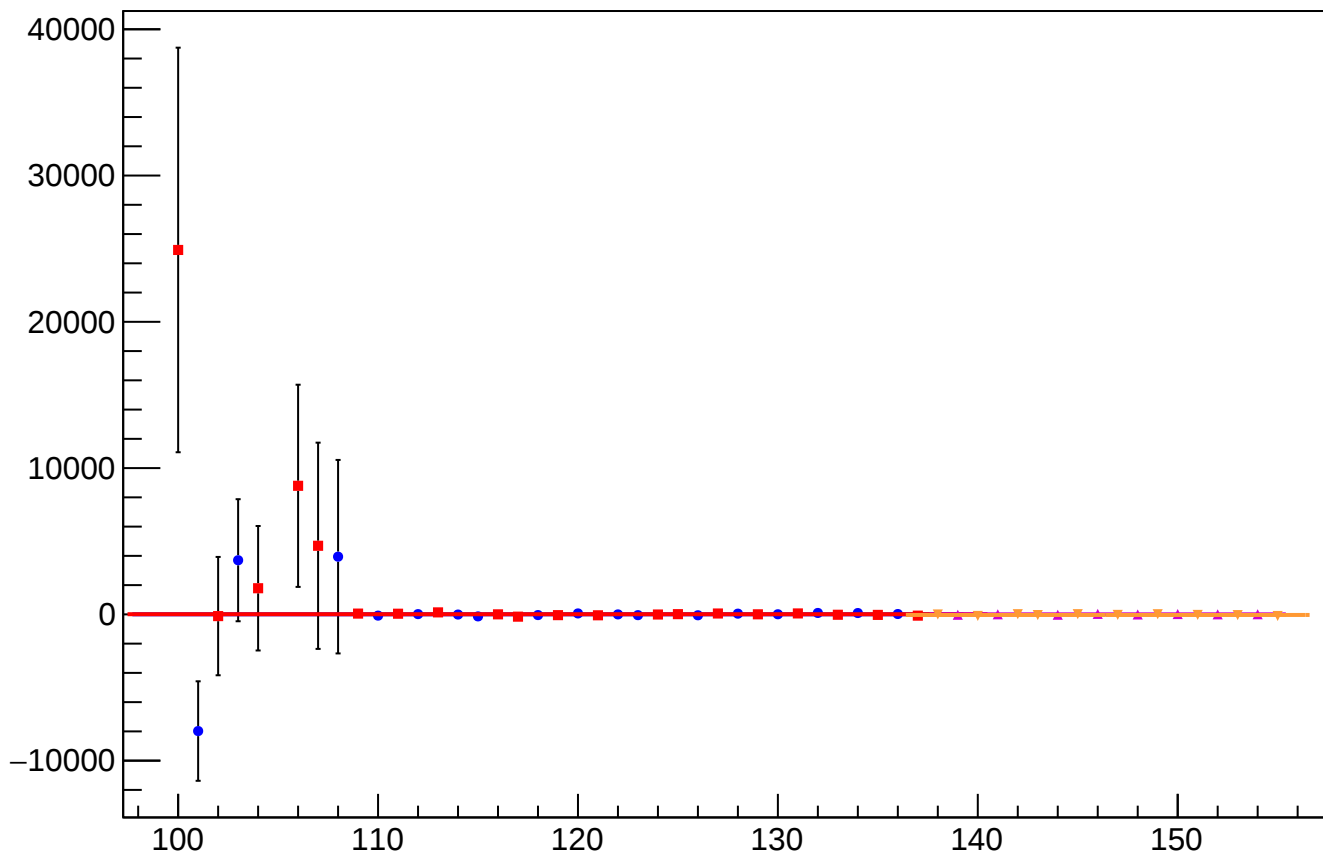
Left In: 199.948+/-0.060 χ^2/NDF : 986211.8/7

219.959+/-0.046 χ^2/NDF : 4600468.7/26

202.011+/-0.031 χ^2/NDF : 10116825.6/54

187.377+/-0.042 χ^2/NDF : 5239896.9/27

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



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

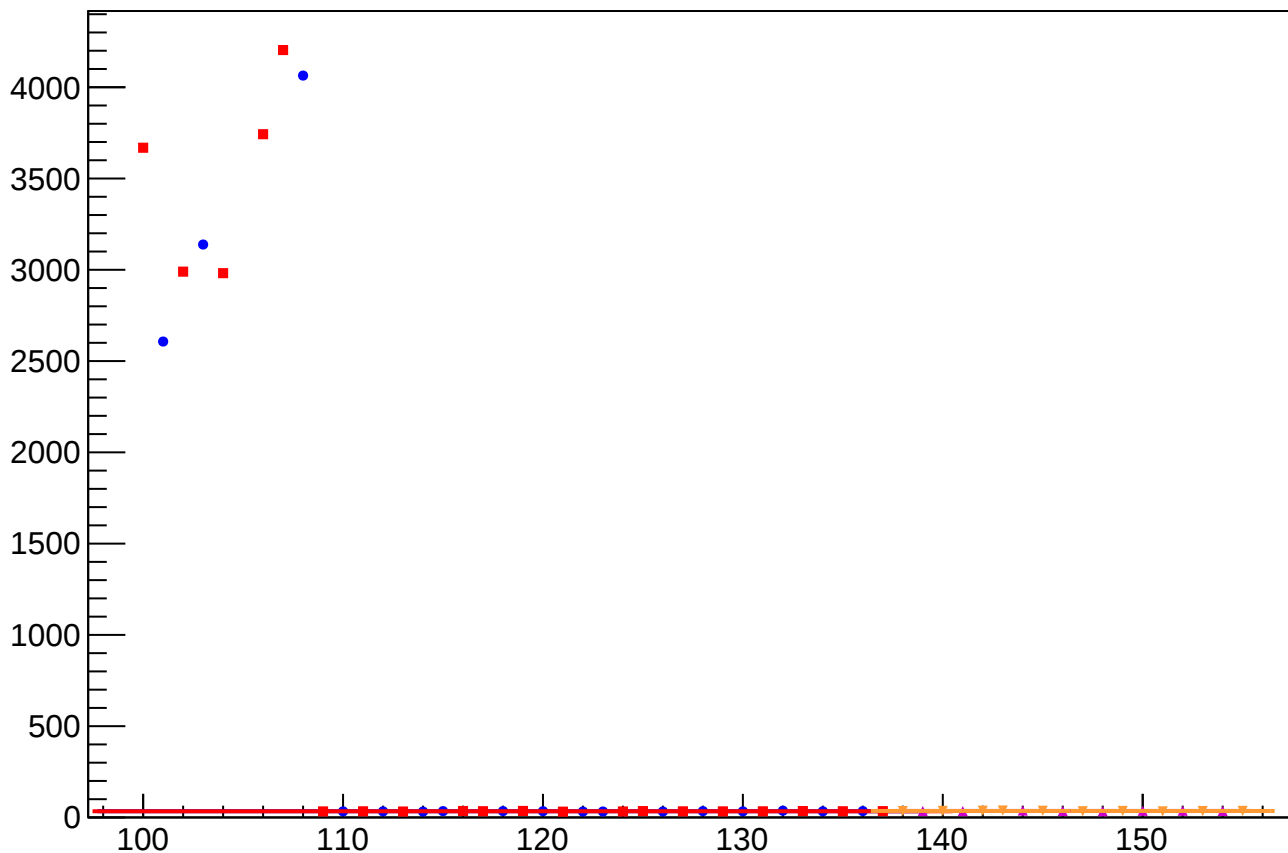
Left In: 3.512 ± 13.949 χ^2/NDF : 1.8/7

-20.360 ± 9.847 χ^2/NDF : 35.8/26

-7.104 ± 7.077 χ^2/NDF : 64.2/54

7.060 ± 10.178 χ^2/NDF : 24.7/27

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



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

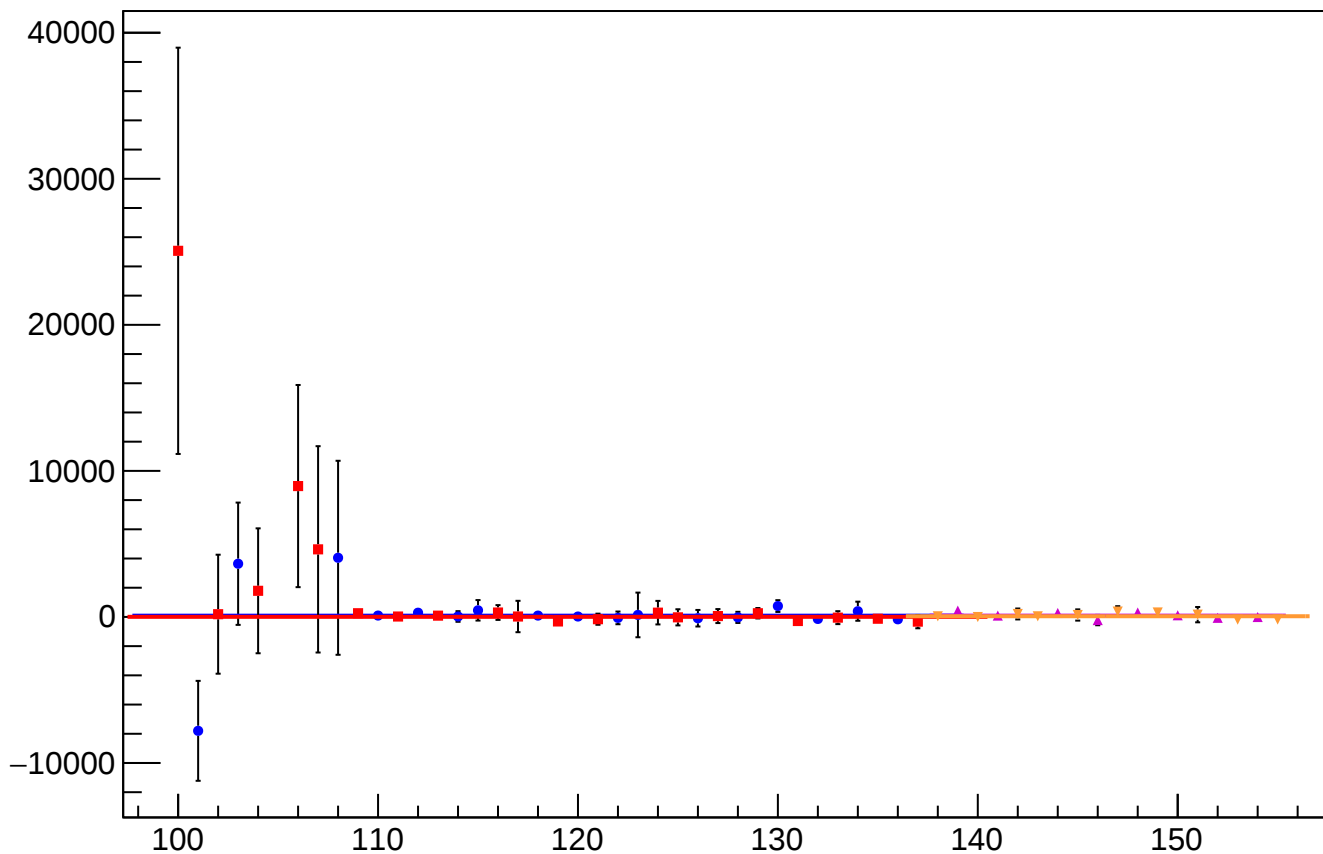
Left In: 35.624+/-0.010 χ^2/NDF :12530.6/7

34.920+/-0.007 χ^2/NDF : 3035281.9/26

34.874+/-0.005 χ^2/NDF : 6513836.1/54

34.825+/-0.007 χ^2/NDF : 3478465.1/27

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



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

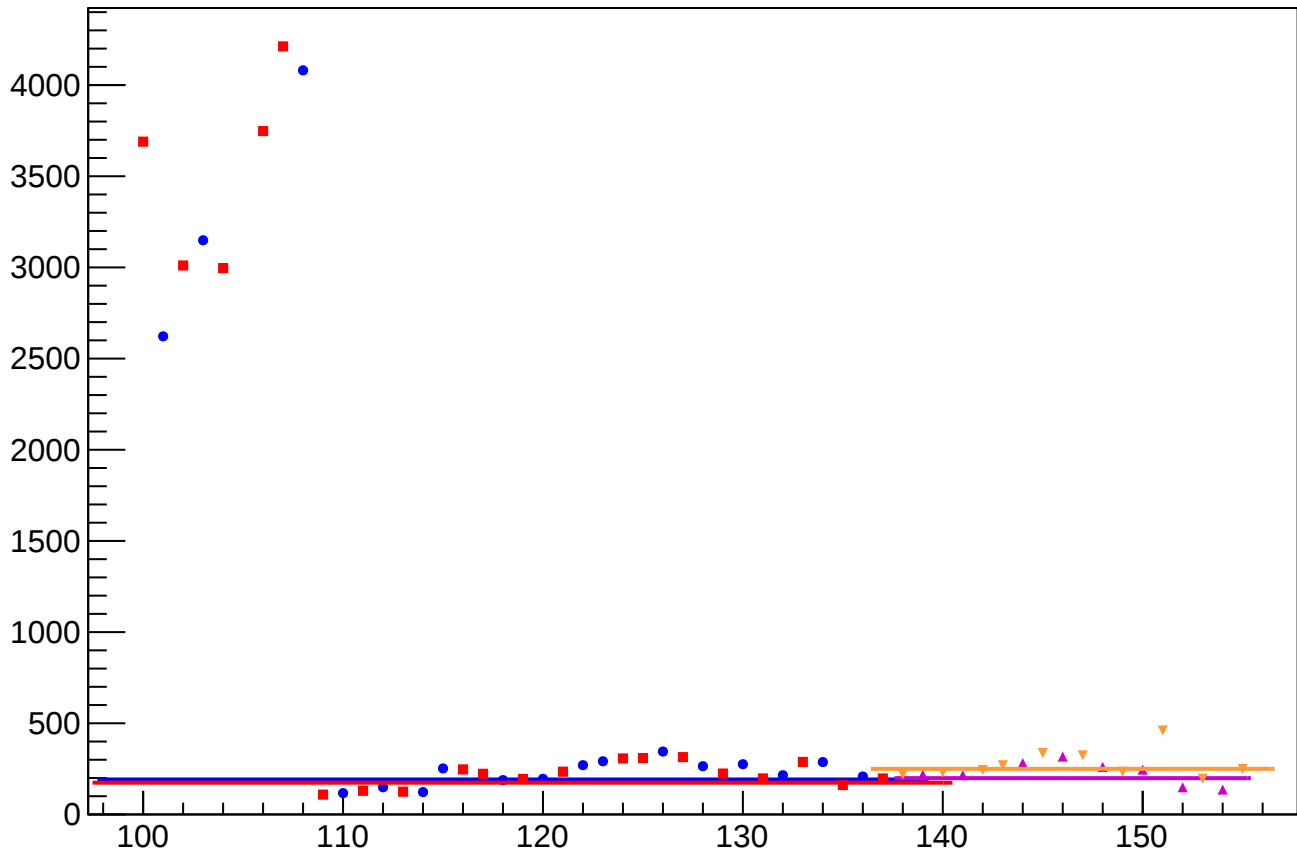
Left In: 88.574+/-84.386 χ^2/NDF : 4.1/7

68.605+/-64.717 χ^2/NDF : 16.2/26

56.330+/-43.368 χ^2/NDF : 31.9/54

46.325+/-58.428 χ^2/NDF : 15.7/27

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.880 $\pm$ 0.062 χ^2 /NDF: 3573060.2/16

Left Out: 250.257 $\pm$ 0.068 χ^2 /NDF: 667728.5/9

Right Out: 174.207 $\pm$ 0.057 χ^2 /NDF: 421538.3/19

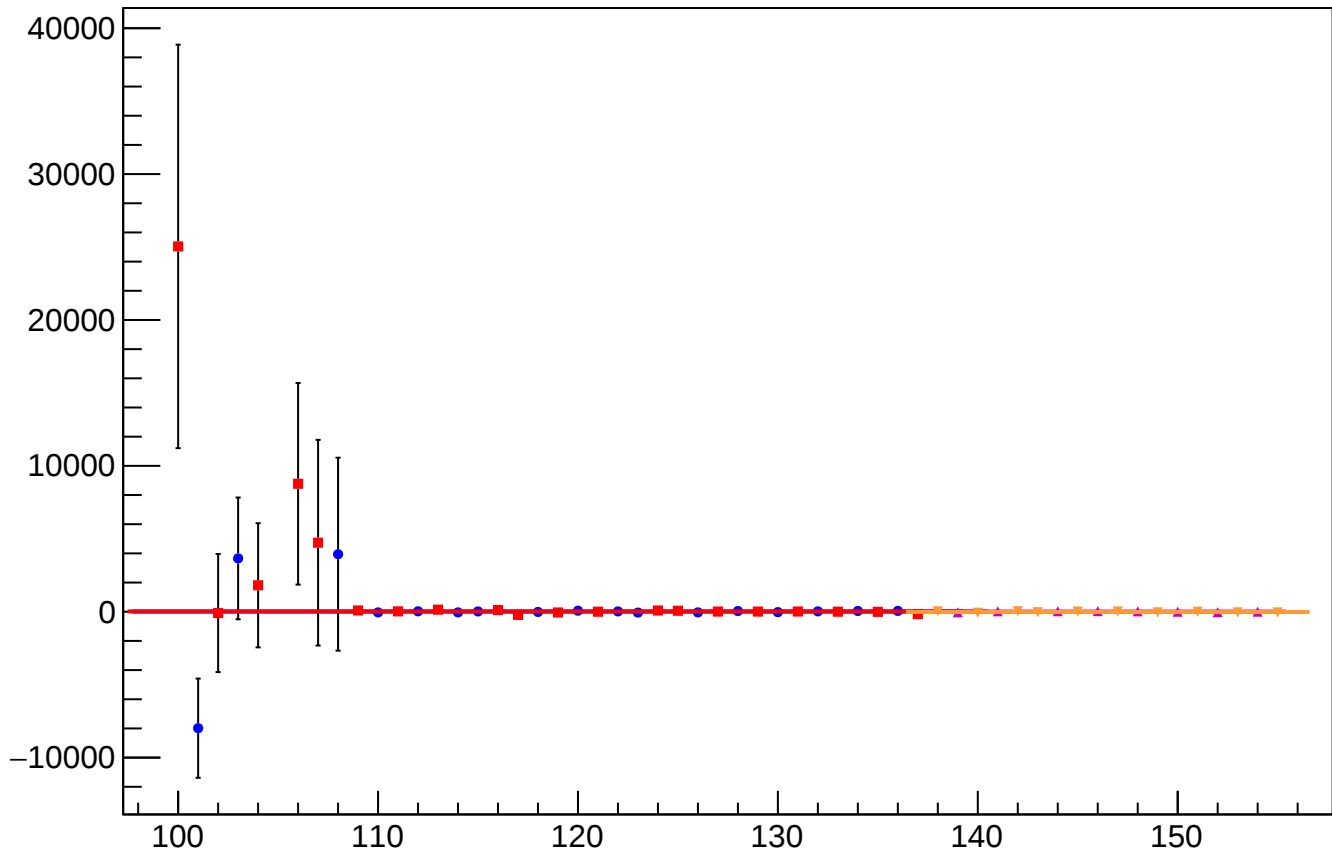
Left In: 199.129 $\pm$ 0.060 χ^2 /NDF: 979368.8/7

218.646 $\pm$ 0.046 χ^2 /NDF: 4644815.5/26

200.745 $\pm$ 0.031 χ^2 /NDF: 10208291.2/54

186.154 $\pm$ 0.041 χ^2 /NDF: 5285726.1/27

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



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

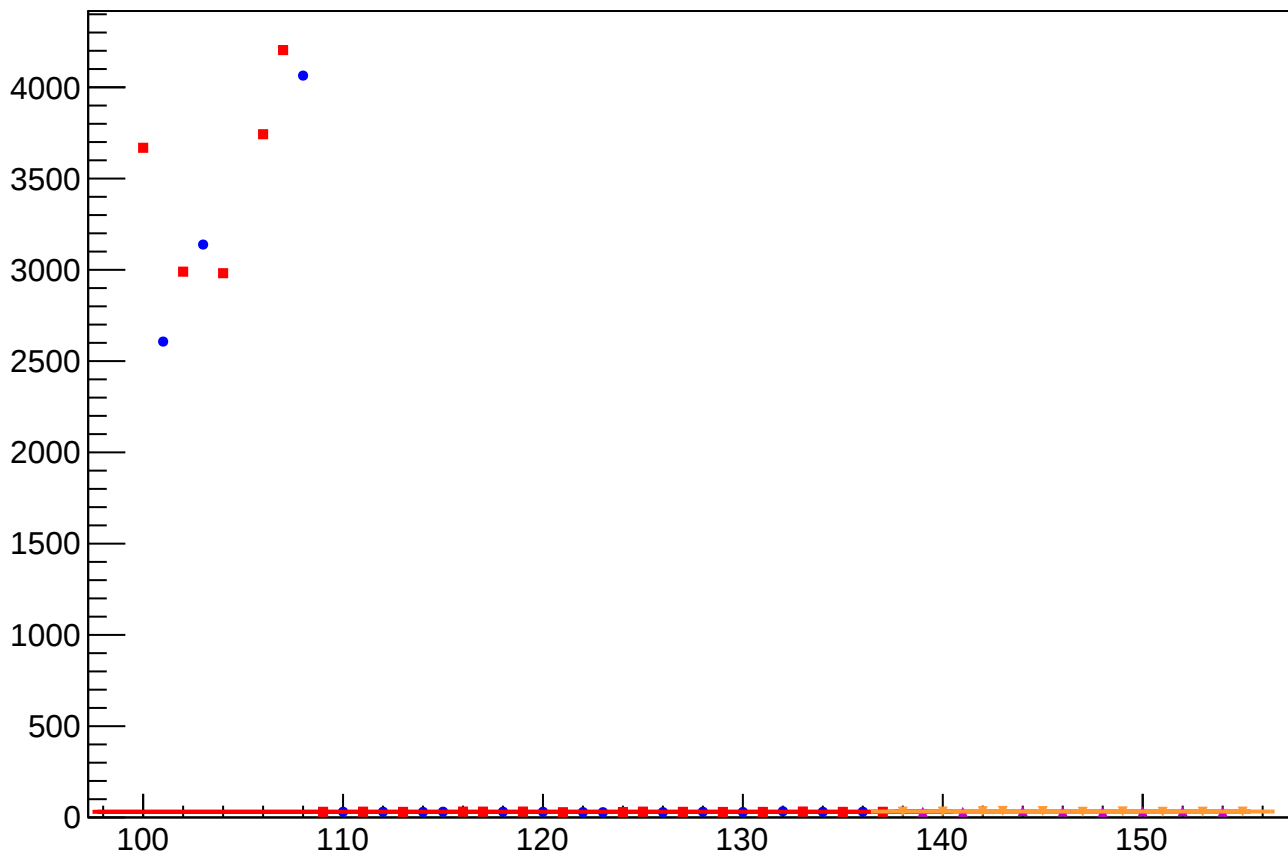
Left In: 12.075+/-12.766 χ^2/NDF : 4.9/7

-3.752+/-8.997 χ^2/NDF : 26.4/26

6.023+/-6.469 χ^2/NDF : 63.9/54

16.485+/-9.308 χ^2/NDF : 35.1/27

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 31.127 $\pm$ 0.010 χ^2 /NDF: 3014425.9/16

Left Out: 32.472 $\pm$ 0.008 χ^2 /NDF: 32290.5/9

Right Out: 30.970 $\pm$ 0.010 χ^2 /NDF: 3459018.8/19

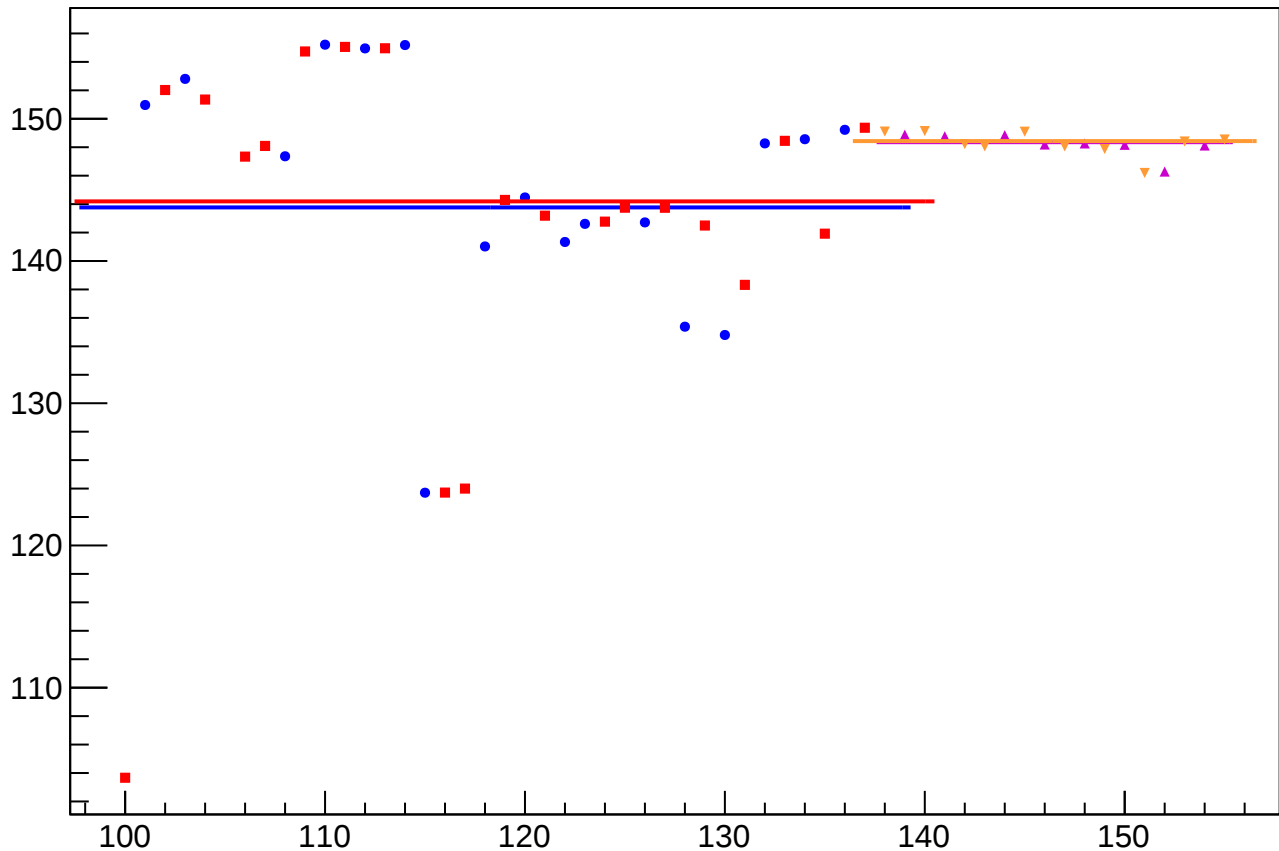
Left In: 32.543 $\pm$ 0.009 χ^2 /NDF: 24836.3/7

31.885 $\pm$ 0.006 χ^2 /NDF: 3057723.0/26

31.847 $\pm$ 0.005 χ^2 /NDF: 6555865.1/54

31.807 $\pm$ 0.007 χ^2 /NDF: 3498068.6/27

yield_bcm_an_ds_mean vs Slug, Sign Corrected



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

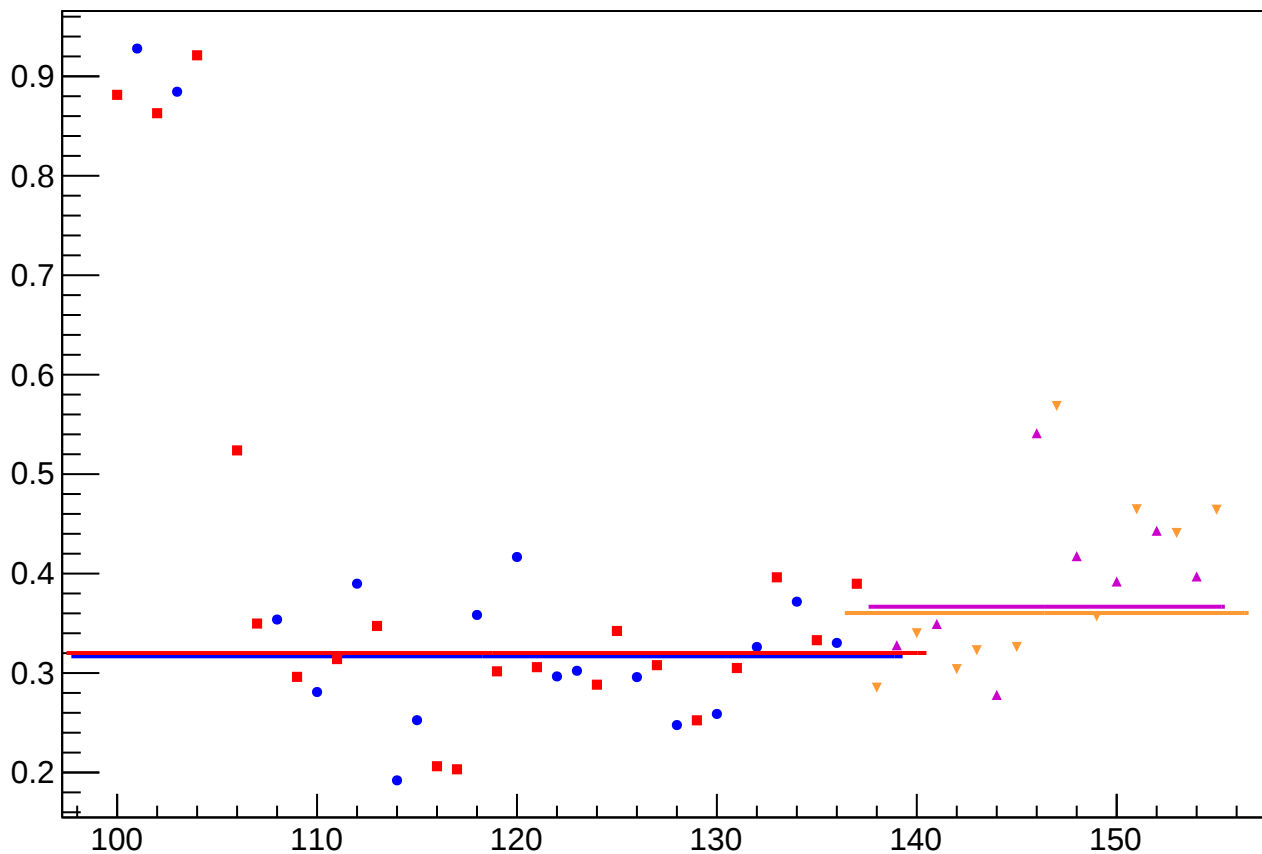
Left In: 148.355 ± 0.000 χ^2/NDF : 22992998.8/7

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

146.024 ± 0.000 χ^2/NDF : 9133253389.3/27

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

yield_bcm_an_ds_rms vs Slug, Sign Corrected



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

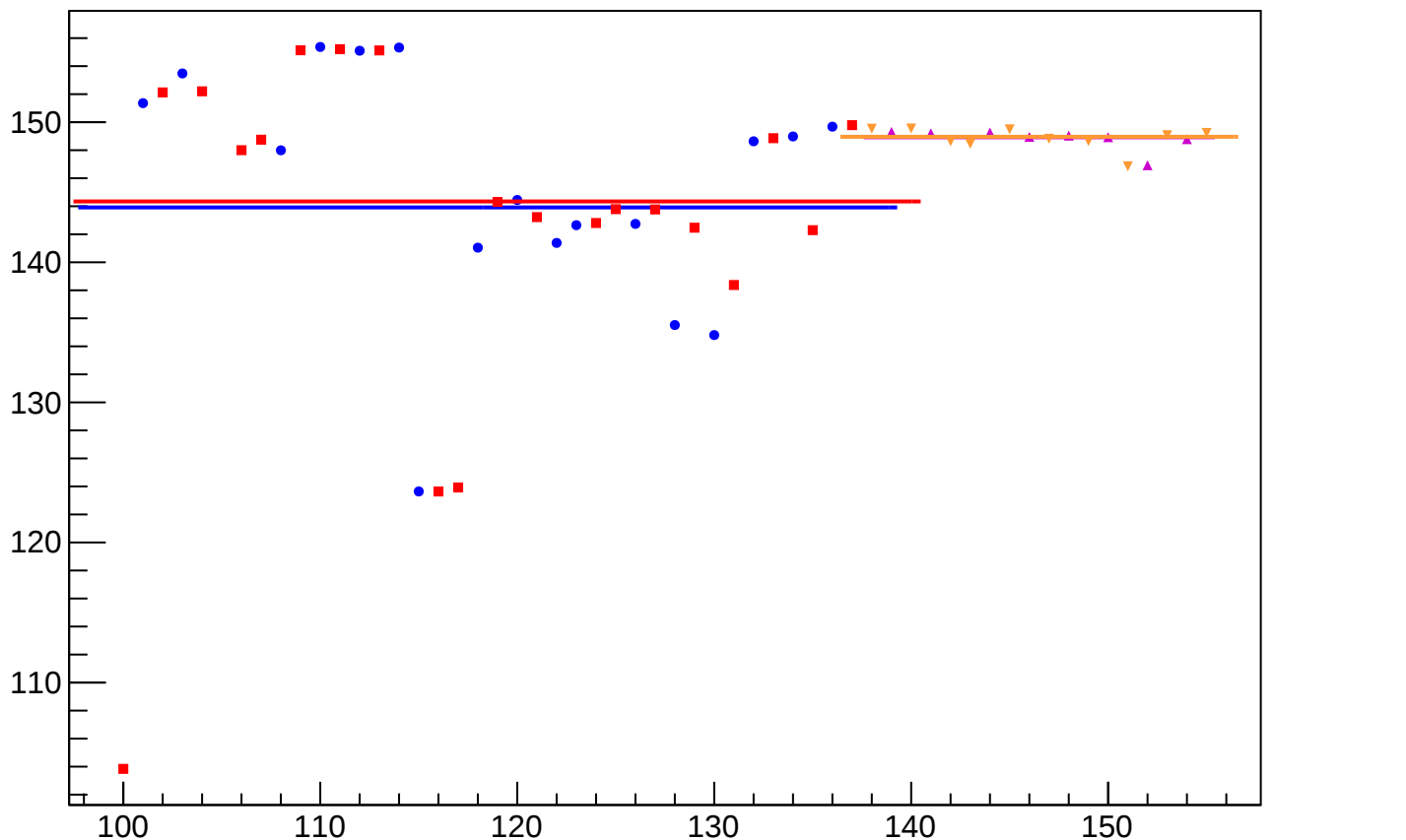
Left In: 0.367+/-0.000 χ^2/NDF : 442081.5/7

0.338+/-0.000 χ^2/NDF : 1946941.1/26

0.339+/-0.000 χ^2/NDF : 3739866.6/54

0.341+/-0.000 χ^2/NDF : 1792116.2/27

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



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

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

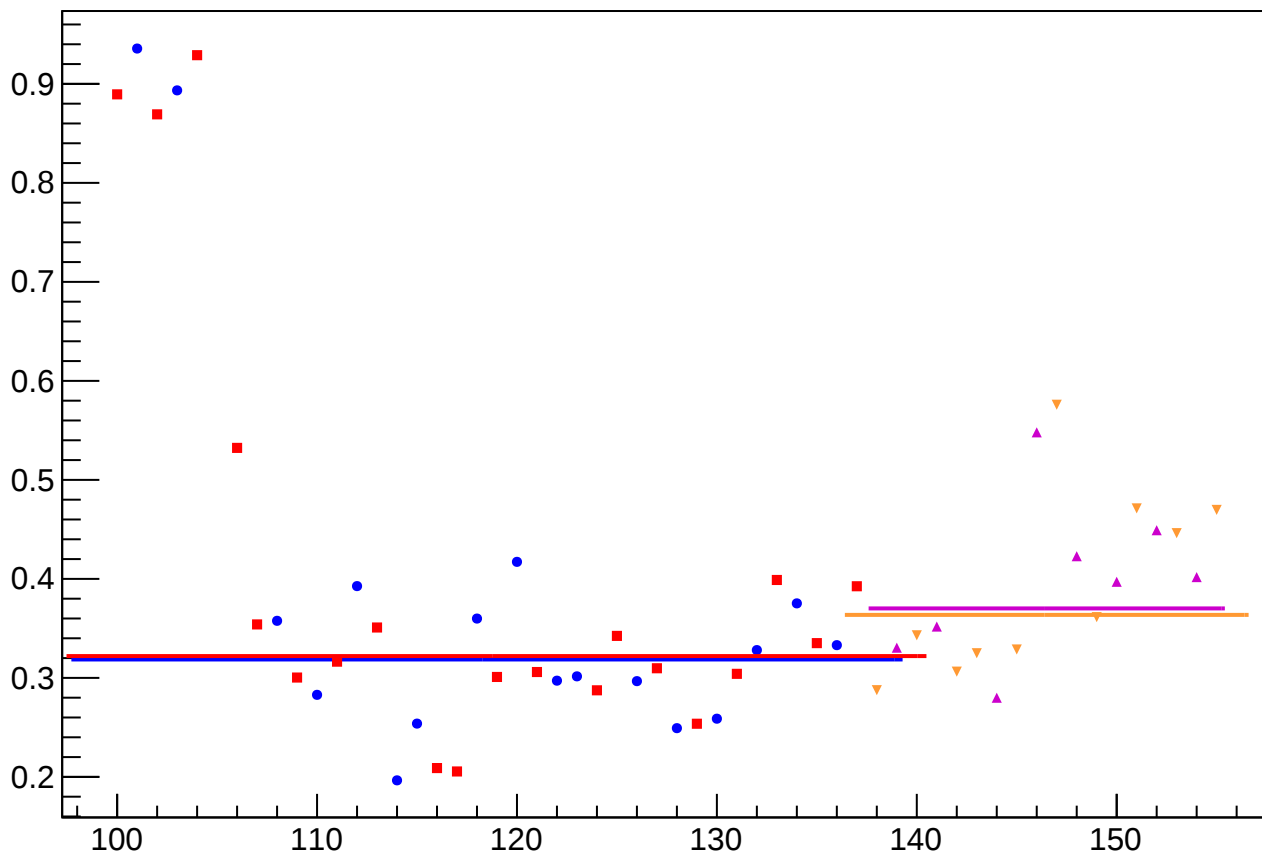
Left In: 148.922 $\pm$ 0.000 χ^2 /NDF: 18187745.2/7

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

146.348 $\pm$ 0.000 χ^2 /NDF: 9374445663.9/27

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

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.319 $\pm$ 0.000 χ^2/NDF : 1280748.9/16

Left Out: 0.364 $\pm$ 0.000 χ^2/NDF : 577148.0/9

Right Out: 0.322 $\pm$ 0.000 χ^2/NDF : 1243109.0/19

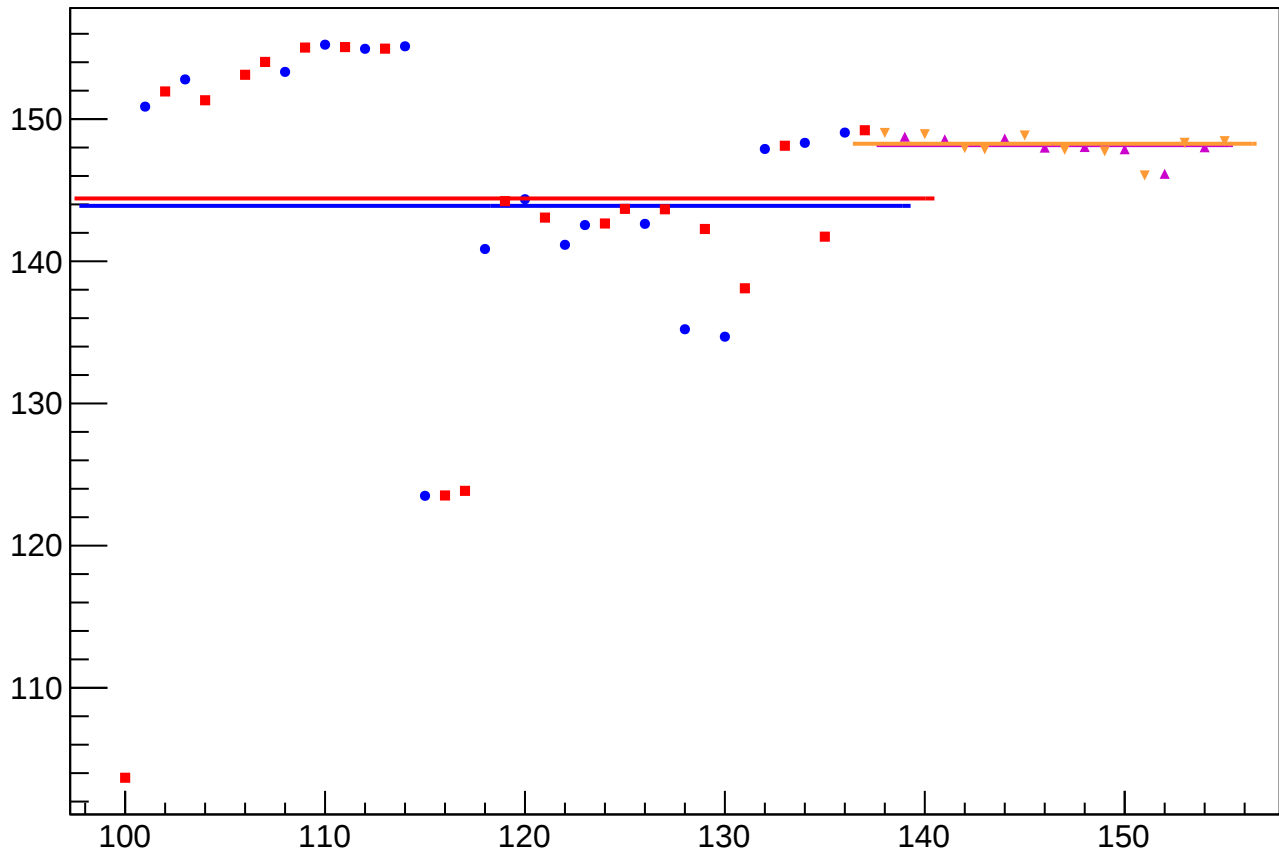
Left In: 0.370 $\pm$ 0.000 χ^2/NDF : 452846.9/7

0.340 $\pm$ 0.000 χ^2/NDF : 1965421.8/26

0.342 $\pm$ 0.000 χ^2/NDF : 3777465.7/54

0.343 $\pm$ 0.000 χ^2/NDF : 1811215.7/27

yield_bcm_an_us_mean vs Slug, Sign Corrected



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

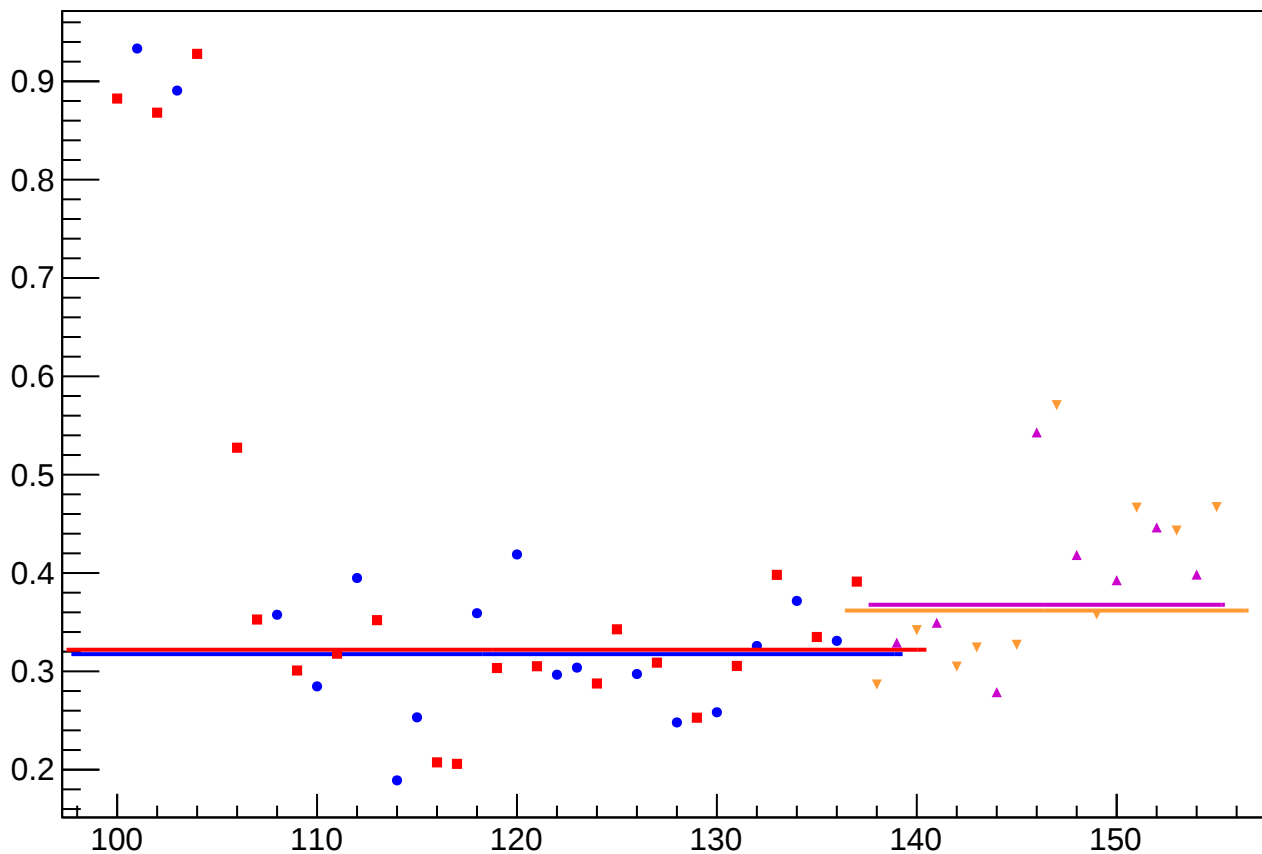
Left In: 148.169 +/- 0.000 χ^2/NDF : 22197450.0/7

146.009 +/- 0.000 χ^2/NDF : 4290936199.2/26

146.041 +/- 0.000 χ^2/NDF : 9486206752.5/27

146.075 +/- 0.000 χ^2/NDF : 5195044413.6/27

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1293179.2/16

Left Out: 0.362 $\pm$ 0.000 χ^2 /NDF:567807.7/9

Right Out: 0.322 $\pm$ 0.000 χ^2 /NDF: 1243703.4/19

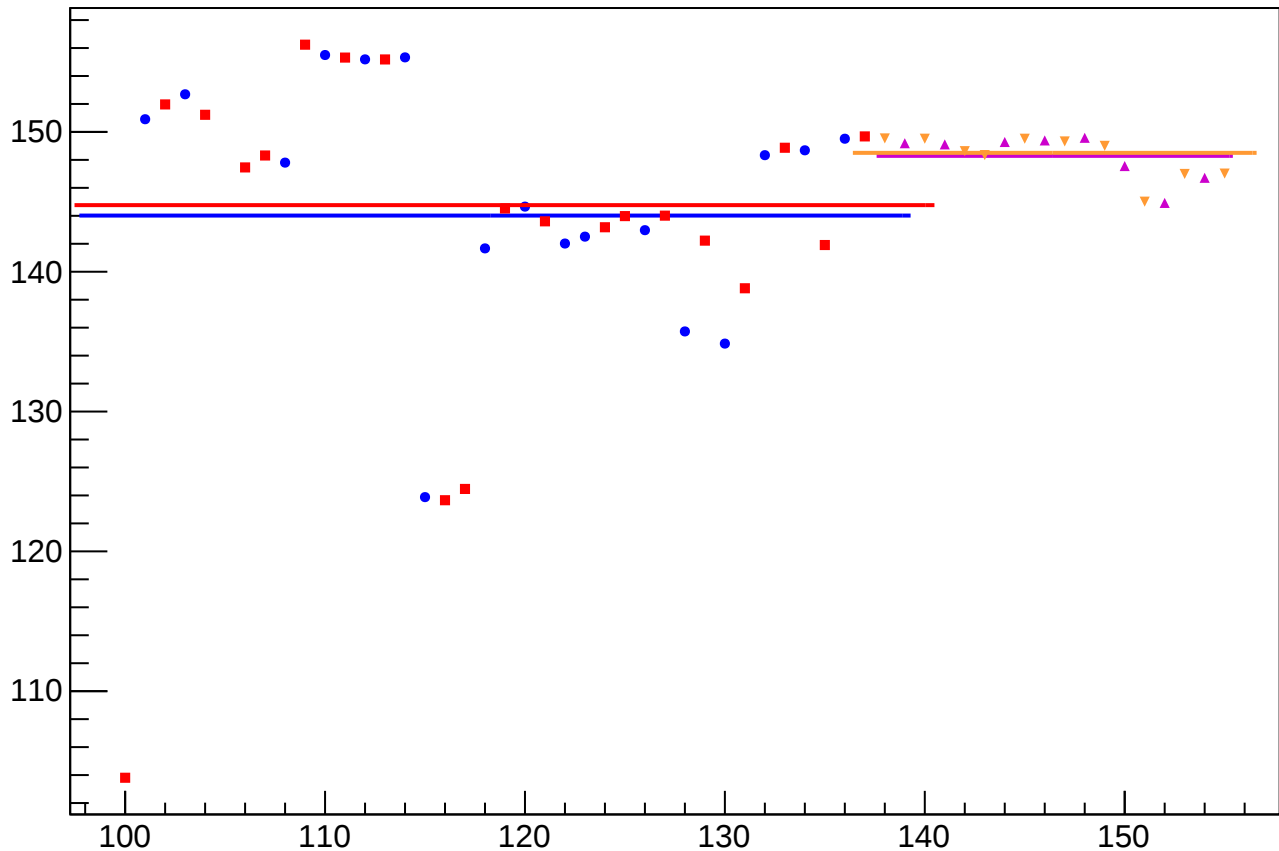
Left In: 0.368 $\pm$ 0.000 χ^2 /NDF:444193.3/7

0.339 $\pm$ 0.000 χ^2 /NDF: 1965958.2/26

0.341 $\pm$ 0.000 χ^2 /NDF: 3759805.1/54

0.342 $\pm$ 0.000 χ^2 /NDF: 1792721.2/27

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.018 +/- 0.000 χ^2/NDF : 3238525527.6/16

Left Out: 148.504 +/- 0.000 χ^2/NDF : 80847038.3/9

Right Out: 144.764 +/- 0.000 χ^2/NDF : 4098462011.9/19

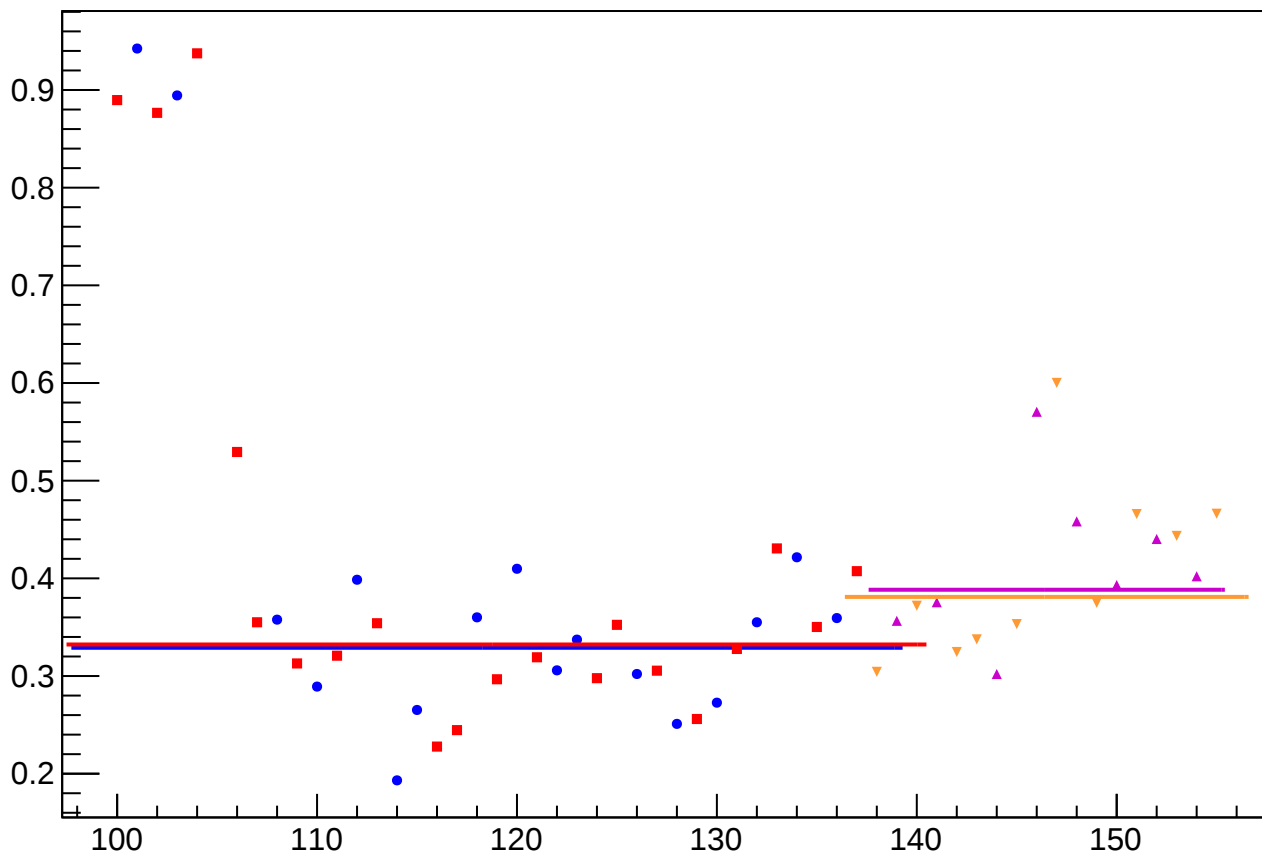
Left In: 148.288 +/- 0.000 χ^2/NDF : 86651486.9/7

146.152 +/- 0.000 χ^2/NDF : 3811434768.0/26

146.216 +/- 0.000 χ^2/NDF : 8282873138.7/19

146.283 +/- 0.000 χ^2/NDF : 4470615730.0/27

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.329 $\pm$ 0.000 χ^2/NDF : 1276118.3/16

Left Out: 0.381 $\pm$ 0.000 χ^2/NDF : 470999.0/9

Right Out: 0.332 $\pm$ 0.000 χ^2/NDF : 1191637.2/19

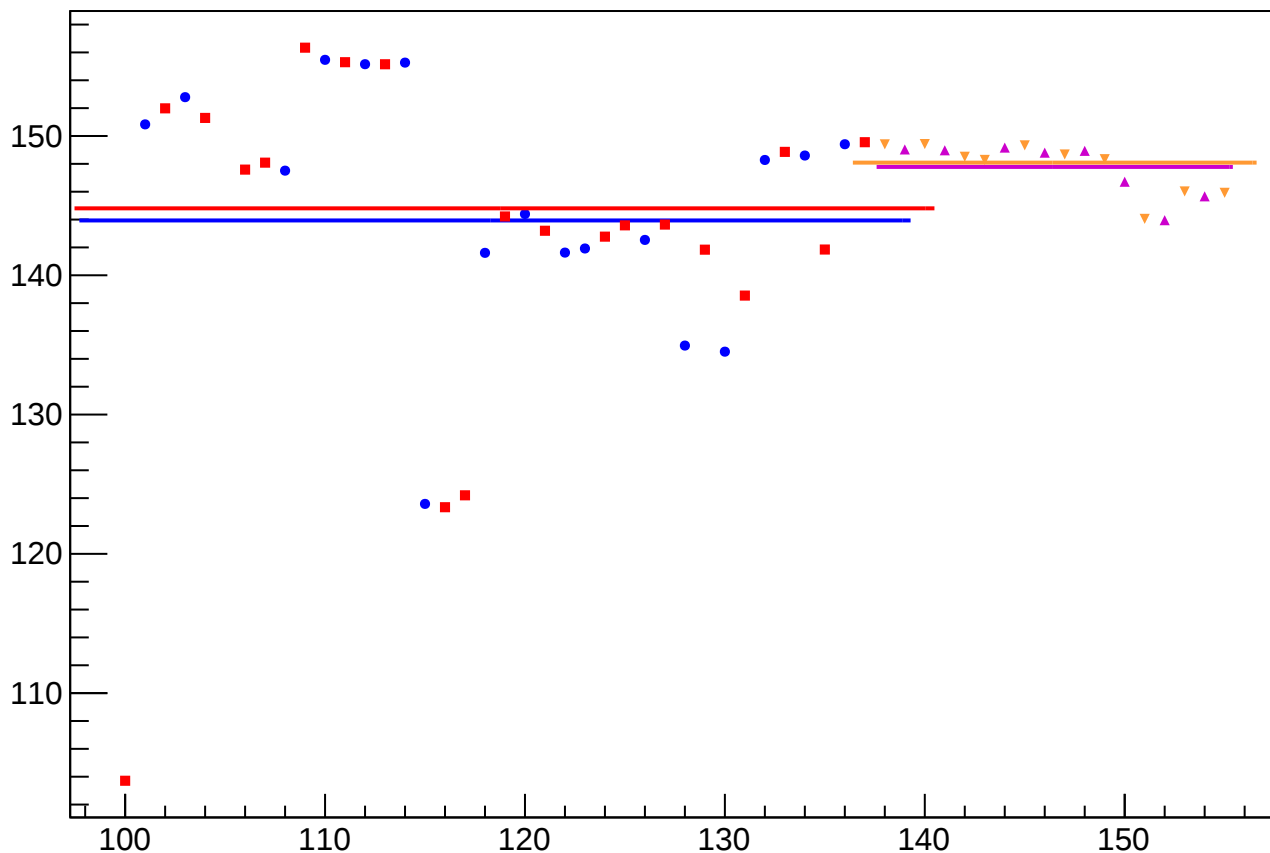
Left In: 0.388 $\pm$ 0.000 χ^2/NDF : 366354.3/7

0.354 $\pm$ 0.000 χ^2/NDF : 1879636.2/26

0.355 $\pm$ 0.000 χ^2/NDF : 3582722.2/54

0.356 $\pm$ 0.000 χ^2/NDF : 1702375.9/27

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 143.937 $\pm$ 0.000 χ^2 /NDF: 3379203532.9/16

Left Out: 148.088 $\pm$ 0.000 χ^2 /NDF: 122752708.8/9

Right Out: 144.806 $\pm$ 0.000 χ^2 /NDF: 4139087143.3/19

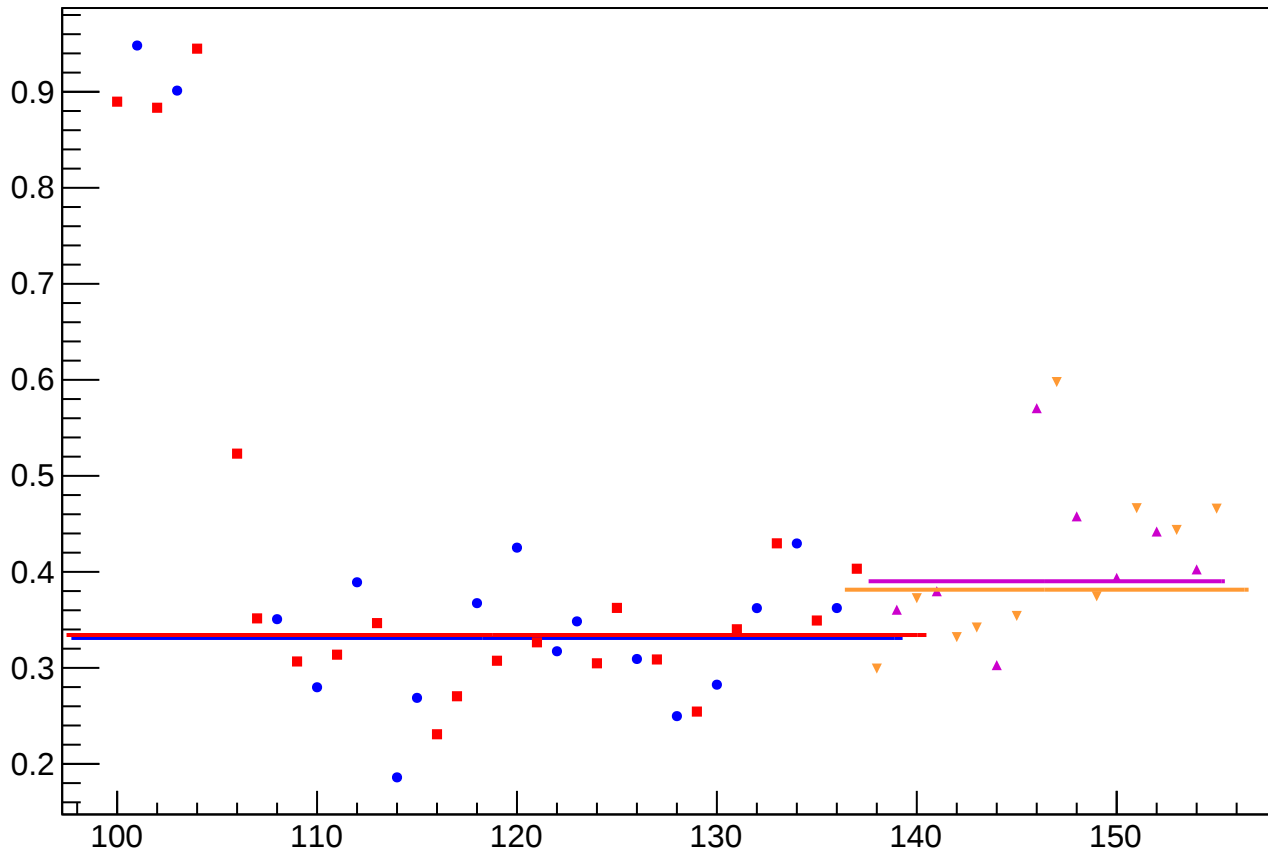
Left In: 147.780 $\pm$ 0.000 χ^2 /NDF: 127089505.4/7

145.925 $\pm$ 0.000 χ^2 /NDF: 3918867917.3/26

146.005 $\pm$ 0.000 χ^2 /NDF: 8387101690.6/27

146.089 $\pm$ 0.000 χ^2 /NDF: 4466967652.6/27

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.331 $\pm$ 0.000 χ^2/NDF : 1295749.0/16

Left Out: 0.381 $\pm$ 0.000 χ^2/NDF : 470730.2/9

Right Out: 0.334 $\pm$ 0.000 χ^2/NDF : 1176170.4/19

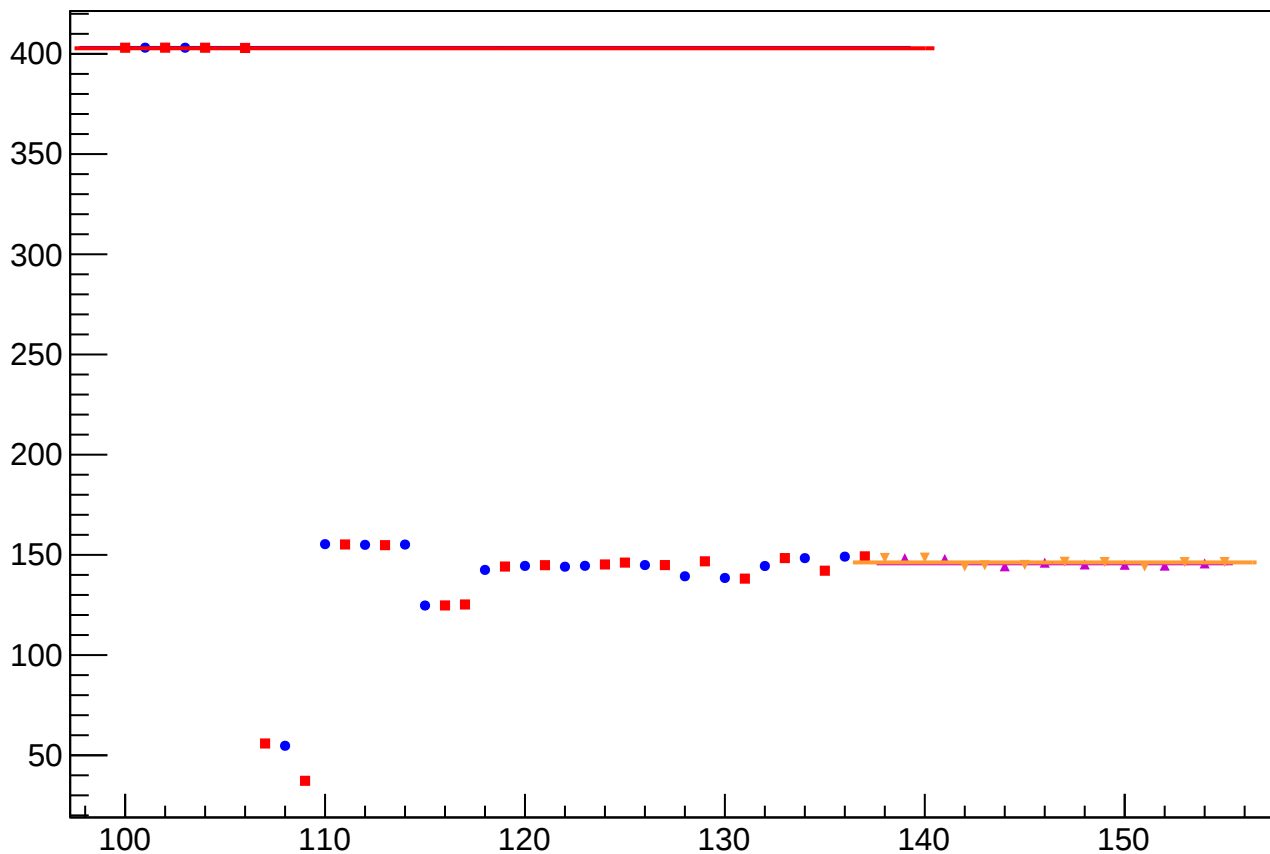
Left In: 0.390 $\pm$ 0.000 χ^2/NDF : 358758.3/7

0.355 $\pm$ 0.000 χ^2/NDF : 1888701.2/26

0.357 $\pm$ 0.000 χ^2/NDF : 3566799.3/54

0.358 $\pm$ 0.000 χ^2/NDF : 1677162.1/27

yield_cav4bQ_mean vs Slug, Sign Corrected



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

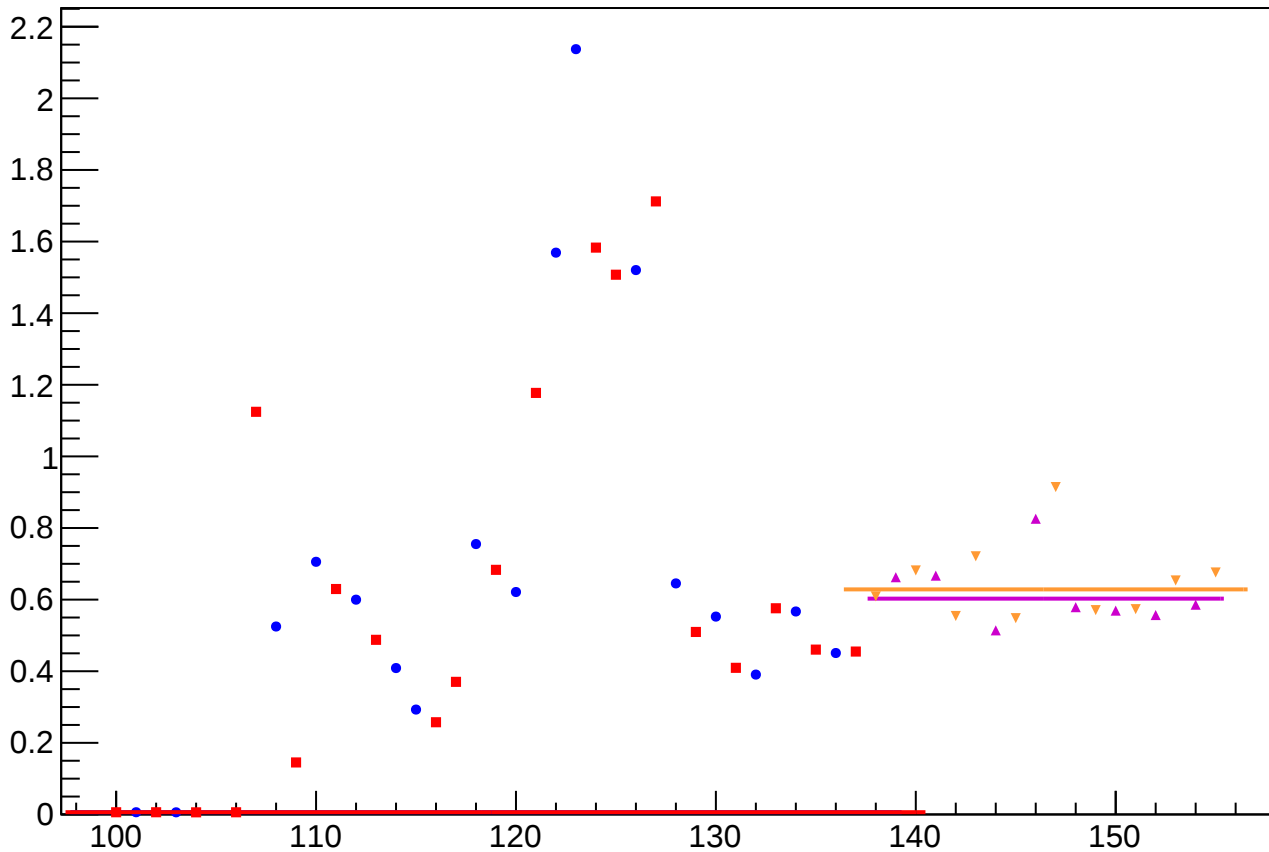
Left In: 145.789 +/- 0.000 χ^2/NDF : 23299583.6/7

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

402.779 +/- 0.000 χ^2/NDF : 580759234209

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

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 9161050.1/16

Left Out: 0.629+/-0.000 χ^2/NDF : 175293.2/9

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

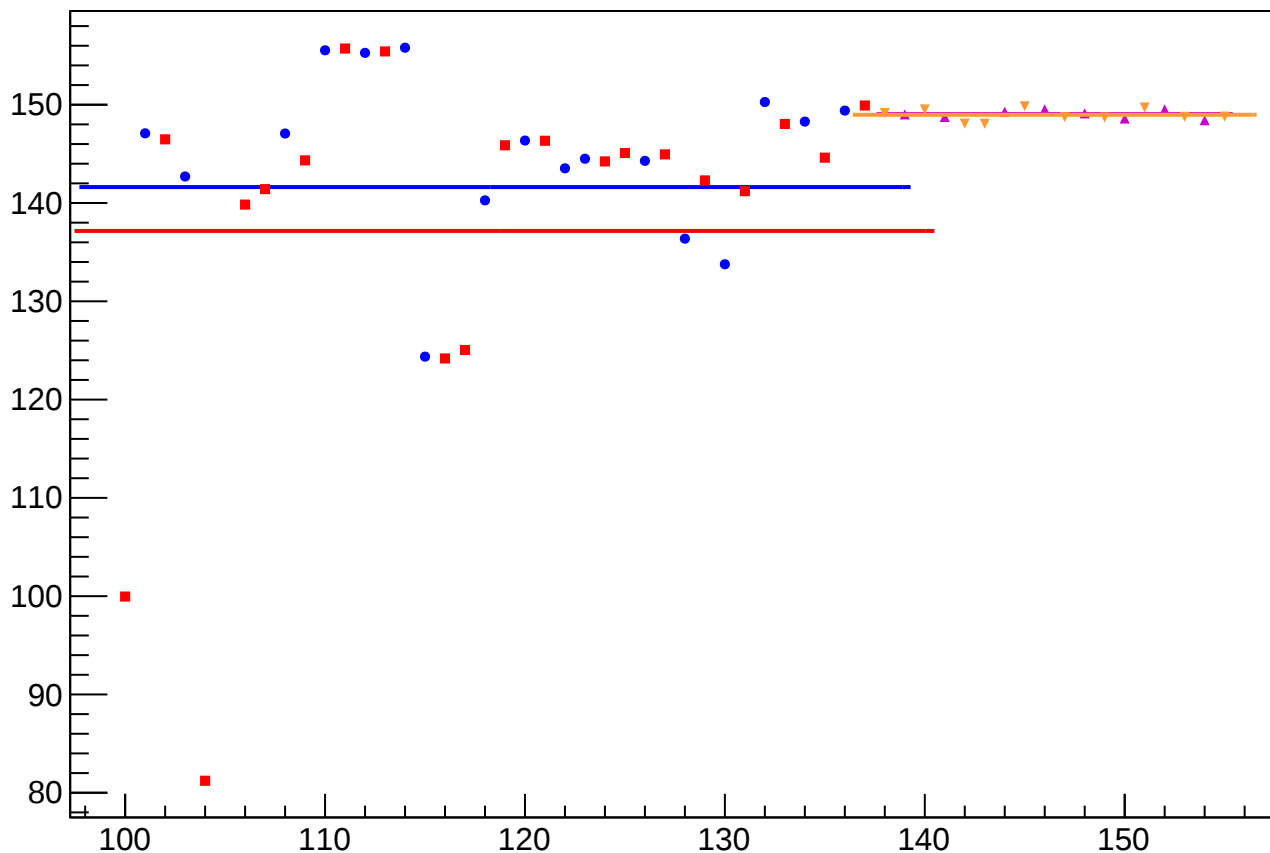
Left In: 0.603+/-0.000 χ^2/NDF : 143185.1/7

0.007+/-0.000 χ^2/NDF : 18752243.2/26

0.007+/-0.000 χ^2/NDF : 36641534.2/54

0.007+/-0.000 χ^2/NDF : 17889207.2/27

yield_cav4cQ_mean vs Slug, Sign Corrected



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

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

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

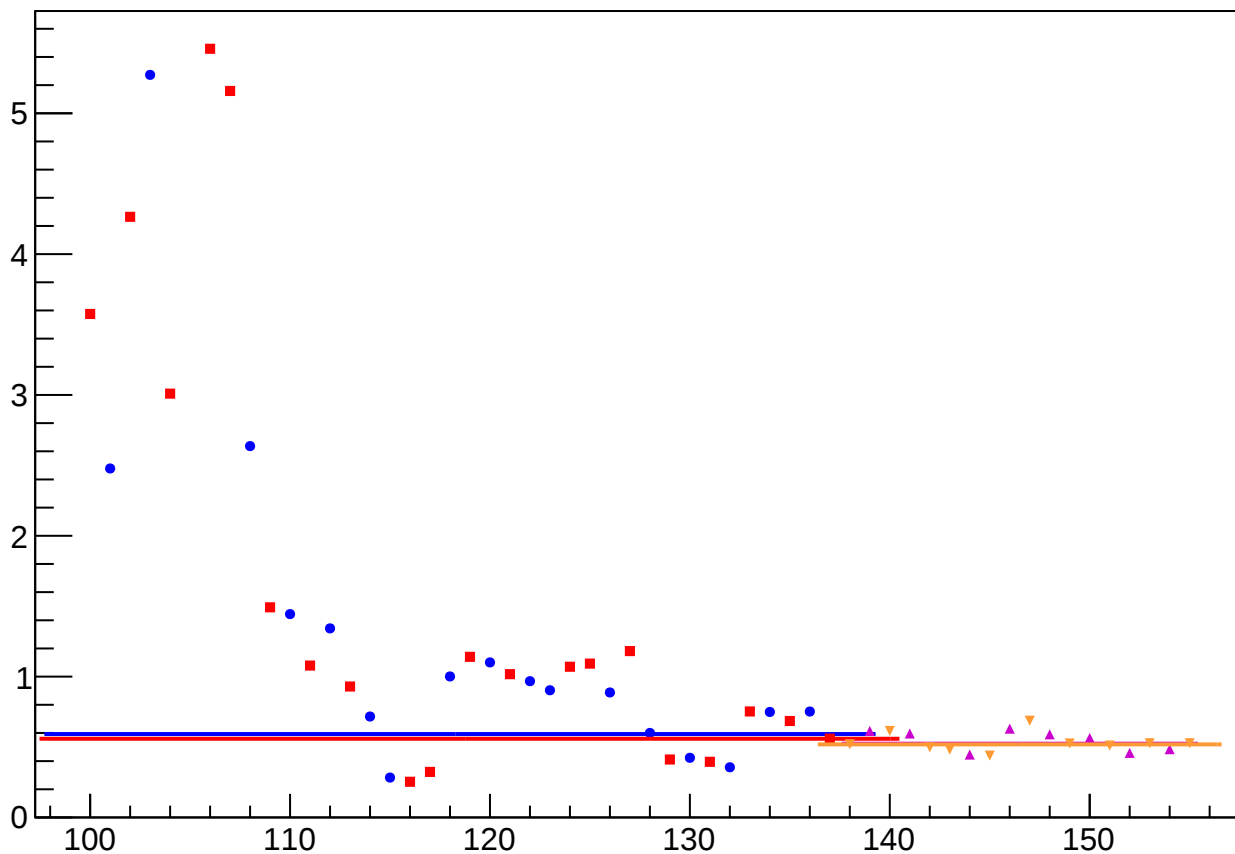
Left In: 149.051 ± 0.000 χ^2/NDF : 3572753.2/7

146.724 ± 0.000 χ^2/NDF : 1370428064.9/26

145.812 ± 0.000 χ^2/NDF : 3796602124.5/27

144.840 ± 0.000 χ^2/NDF : 2369538541.2/27

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.592+/-0.000 χ^2/NDF : 3521577.2/16

Left Out: 0.519+/-0.000 χ^2/NDF : 163834.6/9

Right Out: 0.559+/-0.000 χ^2/NDF : 4719868.1/19

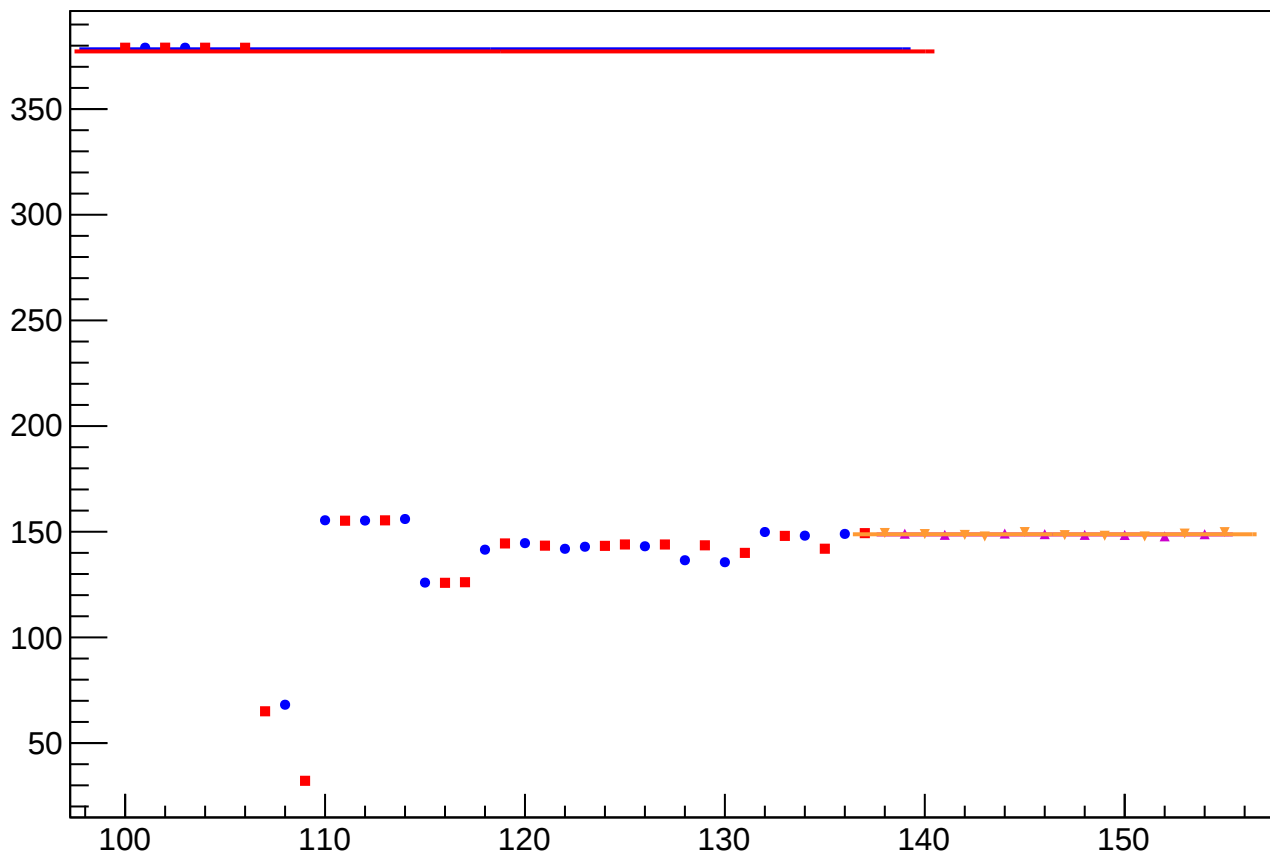
Left In: 0.524+/-0.000 χ^2/NDF : 190733.7/7

0.541+/-0.000 χ^2/NDF : 3761182.5/26

0.539+/-0.000 χ^2/NDF : 8690077.0/54

0.536+/-0.000 χ^2/NDF : 4928049.9/27

yield_cav4dQ_mean vs Slug, Sign Corrected



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

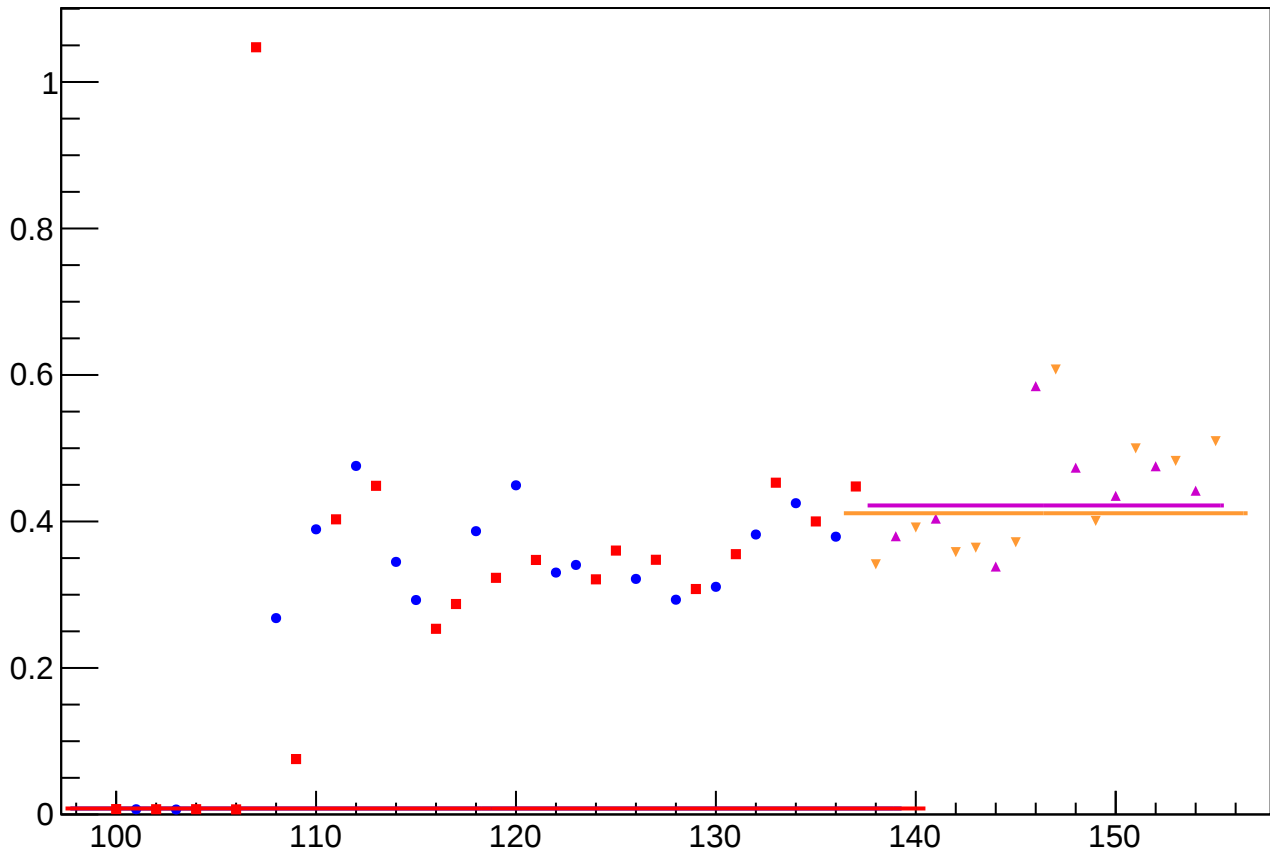
Left In: 148.716+/-0.000 χ^2/NDF : 5253853.8/7

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

377.144+/-0.000 χ^2/NDF : 147736538162

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

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 9885759.8/16

Left Out: 0.411 $\pm$ 0.000 χ^2 /NDF: 412769.1/9

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 9601959.4/19

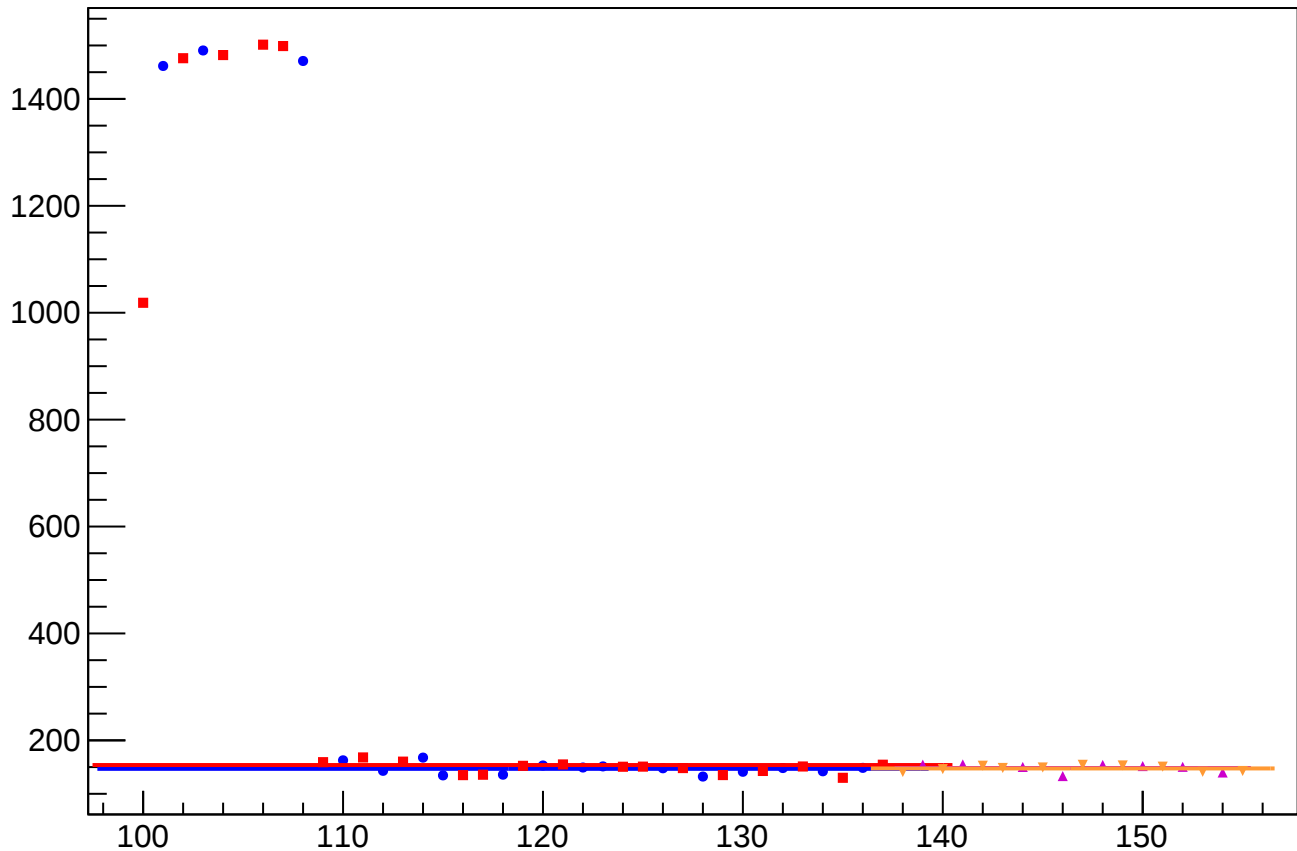
Left In: 0.422 $\pm$ 0.000 χ^2 /NDF: 288342.1/7

0.009 $\pm$ 0.000 χ^2 /NDF: 23484954.5/26

0.009 $\pm$ 0.000 χ^2 /NDF: 45257362.8/54

0.009 $\pm$ 0.000 χ^2 /NDF: 21771482.5/27

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.723+/-0.000 χ^2/NDF : 24350870553.3/16

Left Out: 147.456+/-0.000 χ^2/NDF : 182552239.8/9

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

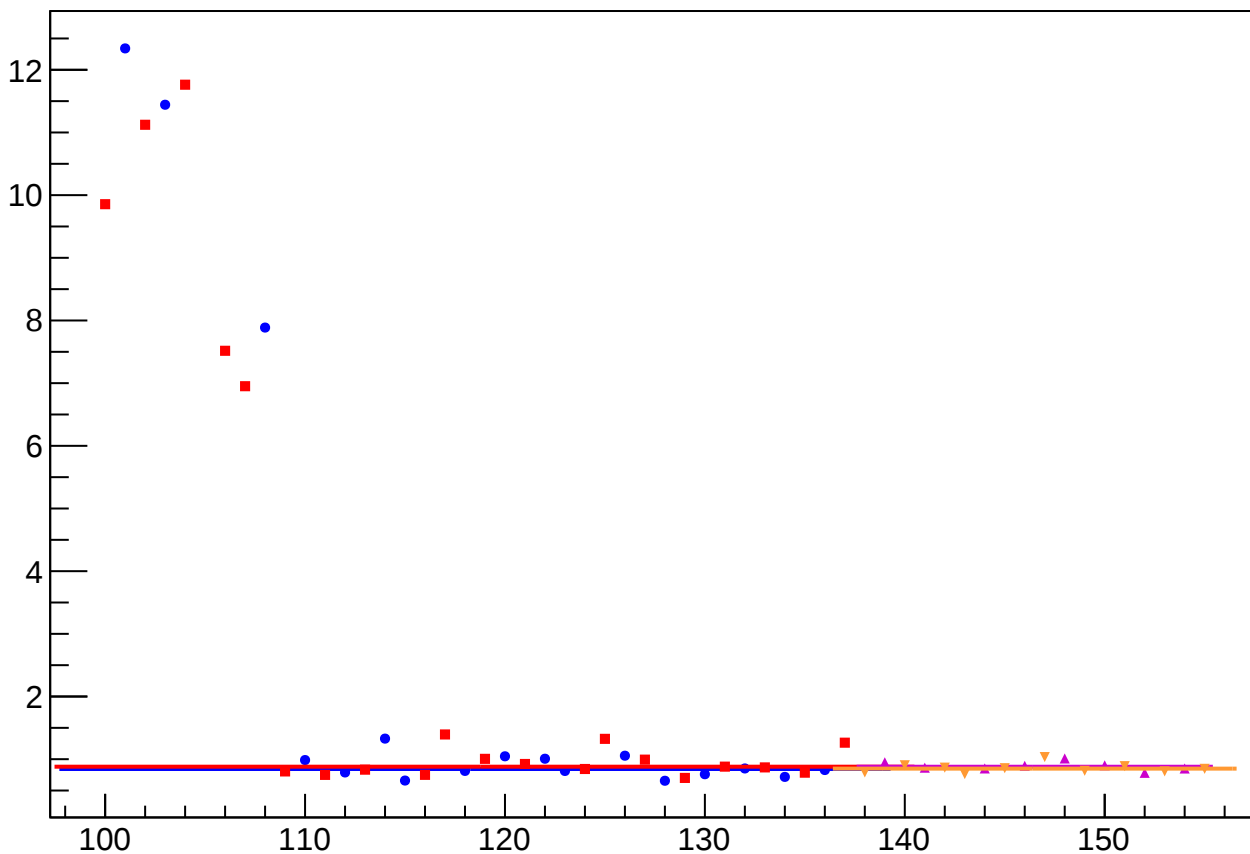
Left In: 148.278+/-0.000 χ^2/NDF : 362664146.8/7

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

148.856+/-0.000 χ^2/NDF : 58813730362.4

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

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.844 ± 0.000 χ^2/NDF : 2670470.7/16

Left Out: 0.849 ± 0.000 χ^2/NDF : 74276.8/9

Right Out: 0.880 ± 0.000 χ^2/NDF : 2823230.1/19

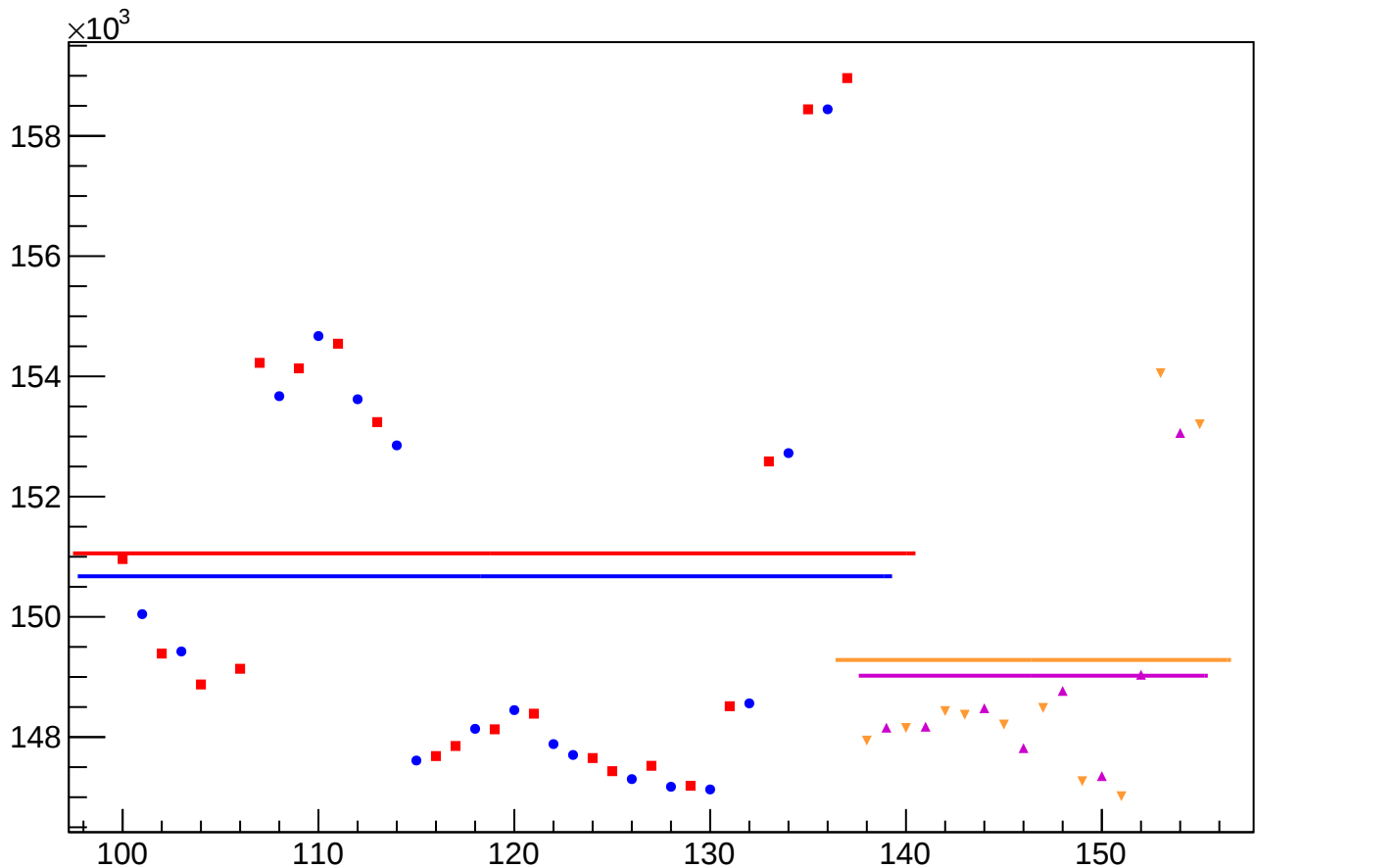
Left In: 0.879 ± 0.000 χ^2/NDF : 55109.3/7

0.847 ± 0.000 χ^2/NDF : 2744955.6/26

0.863 ± 0.000 χ^2/NDF : 5636812.5/54

0.880 ± 0.000 χ^2/NDF : 2878344.3/27

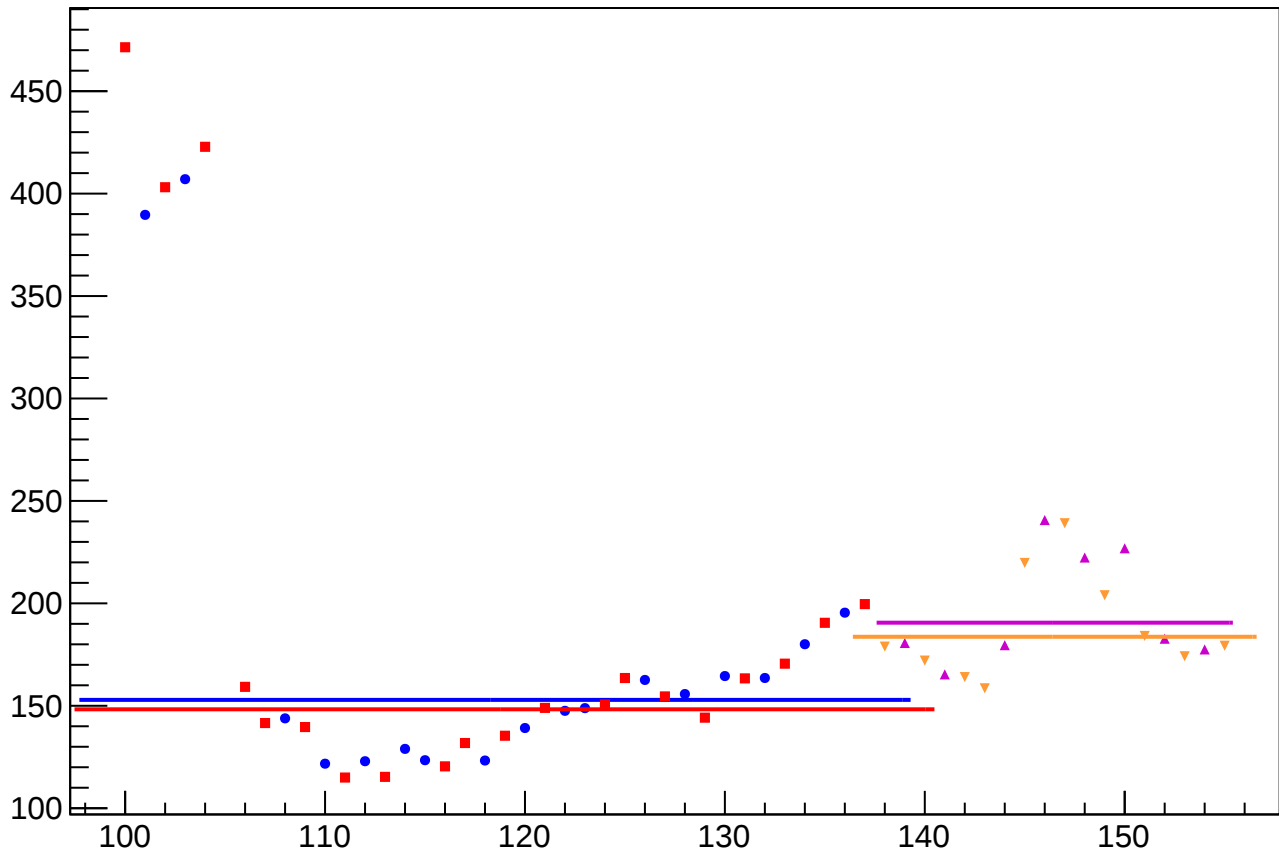
yield_bpm0i01WS_mean vs Slug, Sign Corrected



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
 150158.932 $\pm$ 0.033 χ^2 /NDF: 914720933
 150279.624 $\pm$ 0.047 χ^2 /NDF: 4312974310.7/27

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 152.883 $\pm$ 0.045 χ^2 /NDF: 1154088.7/16

Left Out: 183.691 $\pm$ 0.049 χ^2 /NDF:199441.3/9

Right Out: 148.278 $\pm$ 0.042 χ^2 /NDF: 1192879.8/19

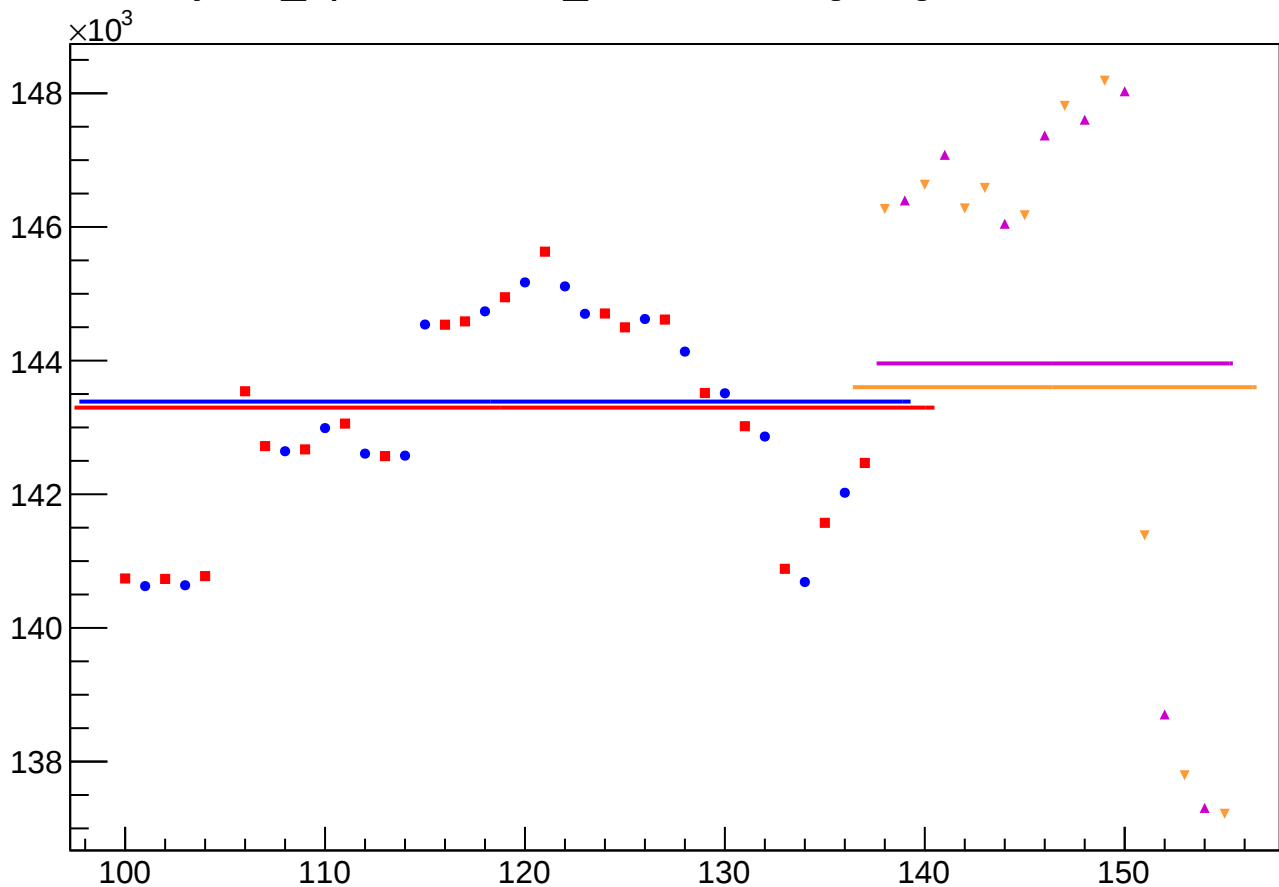
Left In: 190.565 $\pm$ 0.054 χ^2 /NDF:206234.0/7

166.944 $\pm$ 0.033 χ^2 /NDF: 1572078.8/26

165.687 $\pm$ 0.023 χ^2 /NDF: 3360354.2/54

164.412 $\pm$ 0.033 χ^2 /NDF: 1785322.0/27

yield_bpm0i01aWS_mean vs Slug, Sign Corrected



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

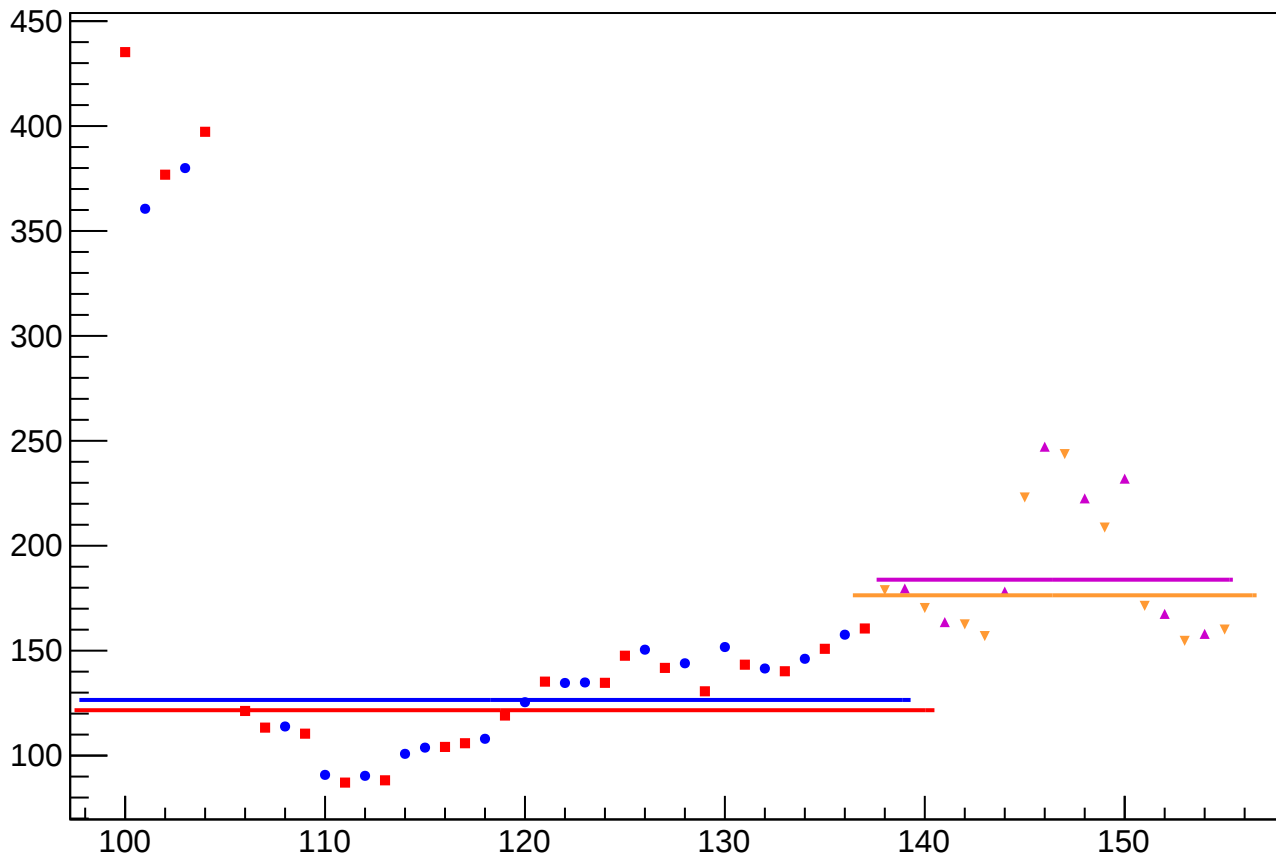
Left In: 143957.840 $\pm$ 0.073 χ^2 /NDF: 3430329349.5/7

143470.454 $\pm$ 0.041 χ^2 /NDF: 4444715920.4/26

143485.327 $\pm$ 0.029 χ^2 /NDF: 854661363

143499.780 $\pm$ 0.041 χ^2 /NDF: 4101641624.5/27

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 126.514 +/- 0.037 χ^2/NDF : 1441685.0/16

Left Out: 176.383 +/- 0.047 χ^2/NDF : 299417.5/9

Right Out: 121.625 +/- 0.035 χ^2/NDF : 1465763.8/19

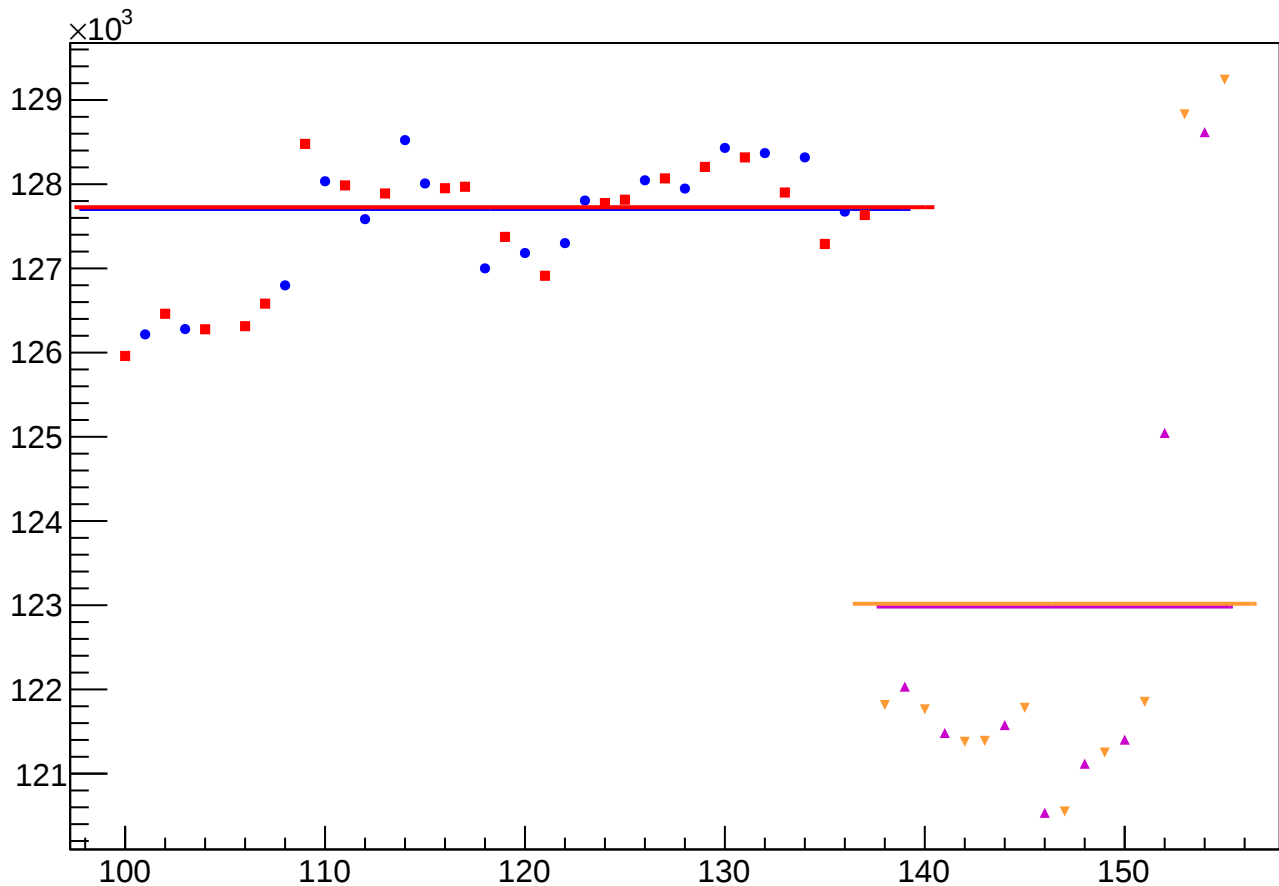
Left In: 183.818 +/- 0.052 χ^2/NDF : 312055.7/7

145.829 +/- 0.029 χ^2/NDF : 2434120.5/26

143.239 +/- 0.020 χ^2/NDF : 5221969.3/54

140.723 +/- 0.029 χ^2/NDF : 2772322.6/27

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127706.194 ± 0.058 $\chi^2/\text{NDF}: 97860521.1/16$

Left Out: 123017.382 ± 0.062 $\chi^2/\text{NDF}: 2340980886.1/9$

Right Out: 127726.708 ± 0.054 $\chi^2/\text{NDF}: 112816704.3/19$

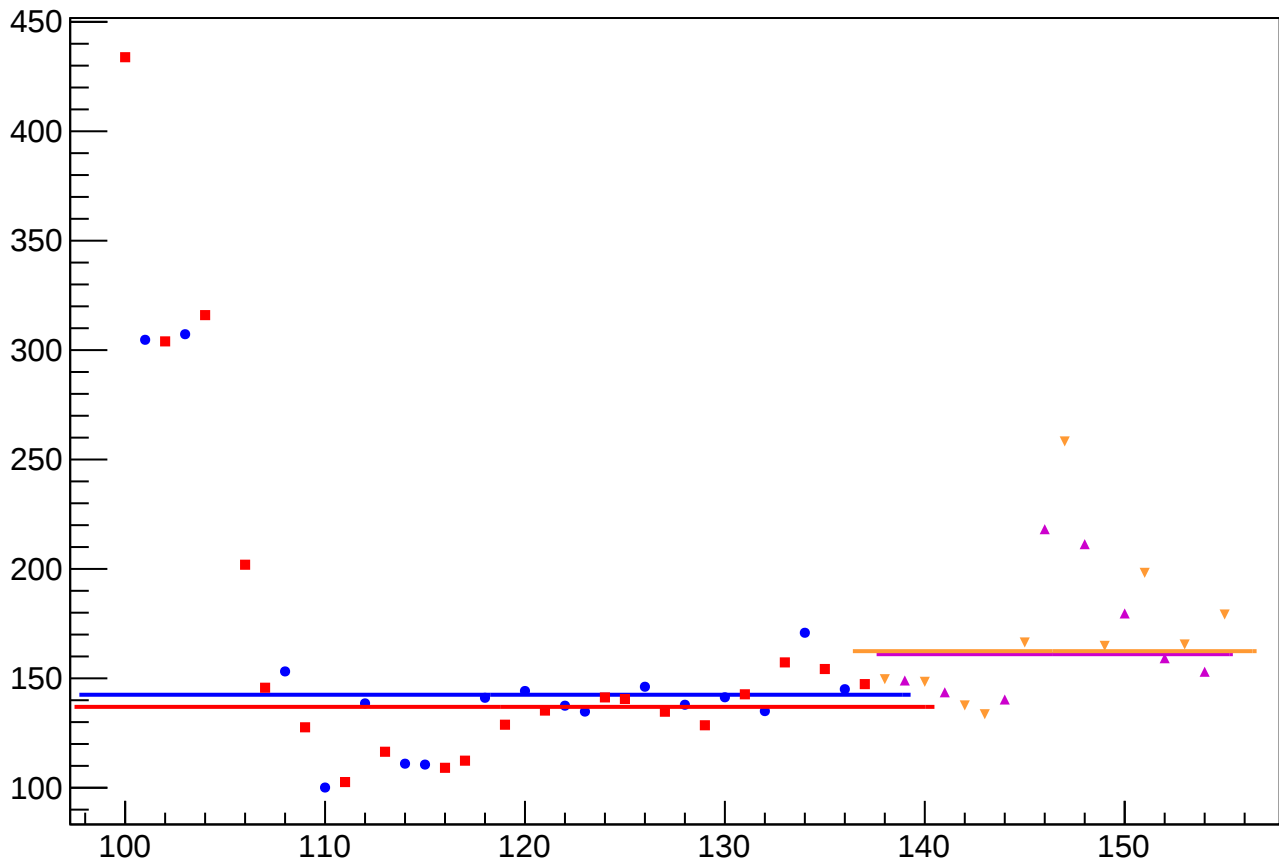
Left In: 122984.228 ± 0.065 $\chi^2/\text{NDF}: 1671284434.9/7$

125509.067 ± 0.042 $\chi^2/\text{NDF}: 5494993208.3/20$

125640.470 ± 0.030 $\chi^2/\text{NDF}: 104552152$

125767.174 ± 0.042 $\chi^2/\text{NDF}: 4941288425.1/27$

yield_bpm0l01WS_rms vs Slug, Sign Corrected



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

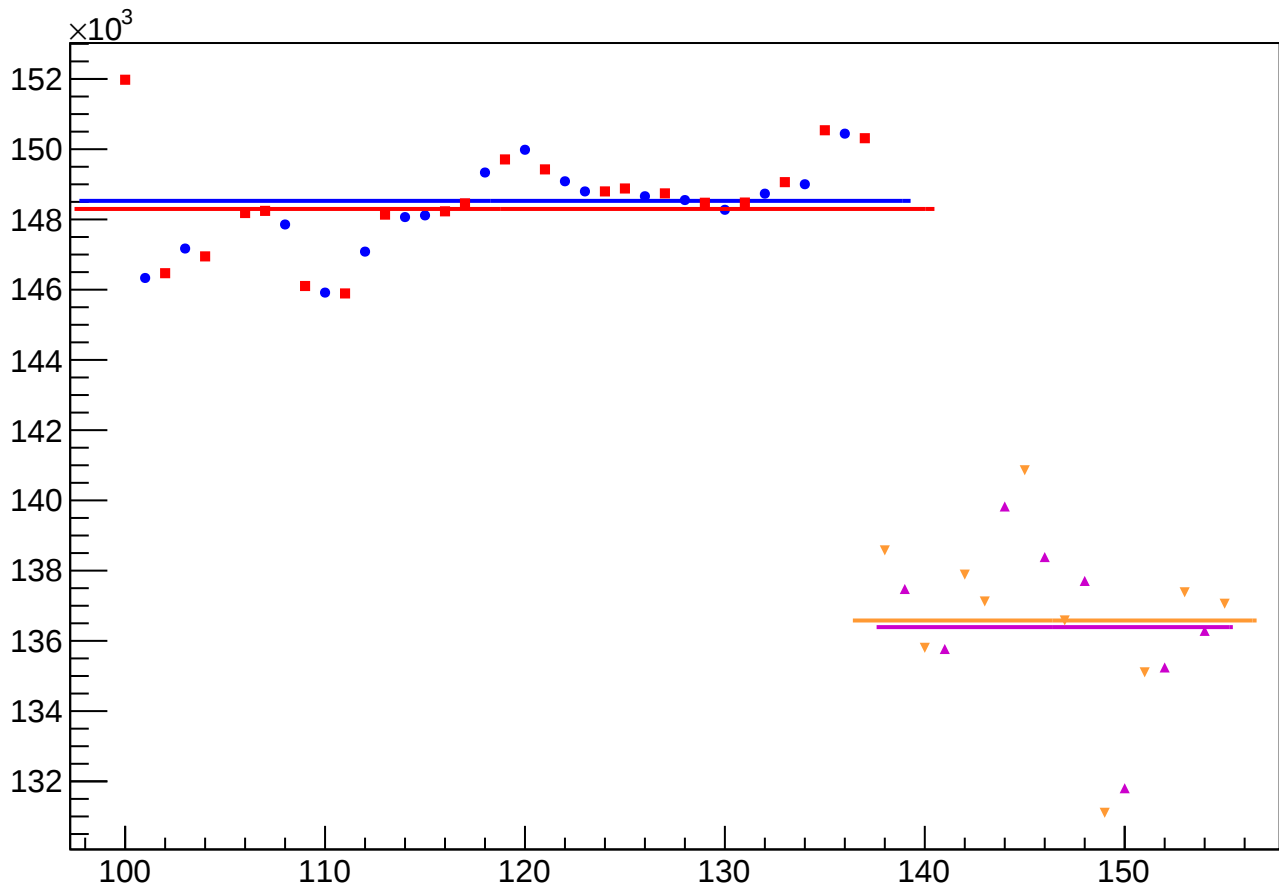
Left In: 161.039+/-0.046 χ^2/NDF : 286347.3/7

151.836+/-0.030 χ^2/NDF : 1334202.5/26

149.329+/-0.021 χ^2/NDF : 2758533.6/54

146.911+/-0.029 χ^2/NDF : 1410544.7/27

yield_bpm0l02WS_mean vs Slug, Sign Corrected



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

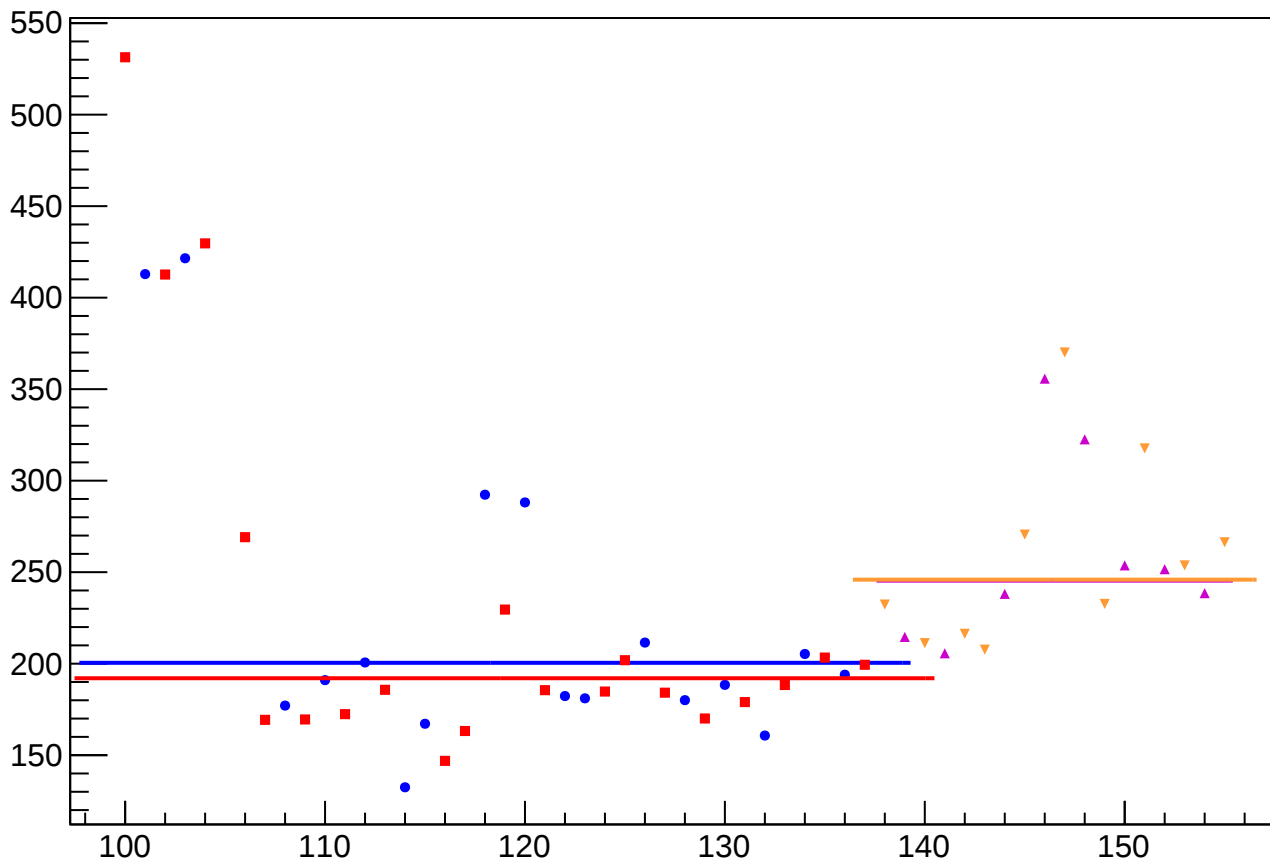
Left In: 136391.542 $\pm$ 0.098 χ^2/NDF : 532860794.6/7

143302.085 $\pm$ 0.062 χ^2/NDF : 10219834637.1/2

143577.138 $\pm$ 0.043 χ^2/NDF : 202612084

143839.842 $\pm$ 0.060 χ^2/NDF : 10002339505.2/2

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 200.472 ± 0.058 $\chi^2/\text{NDF}: 936547.2/16$

Left Out: 245.910 ± 0.066 $\chi^2/\text{NDF}: 386410.9/9$

Right Out: 192.040 ± 0.054 $\chi^2/\text{NDF}: 847133.0/19$

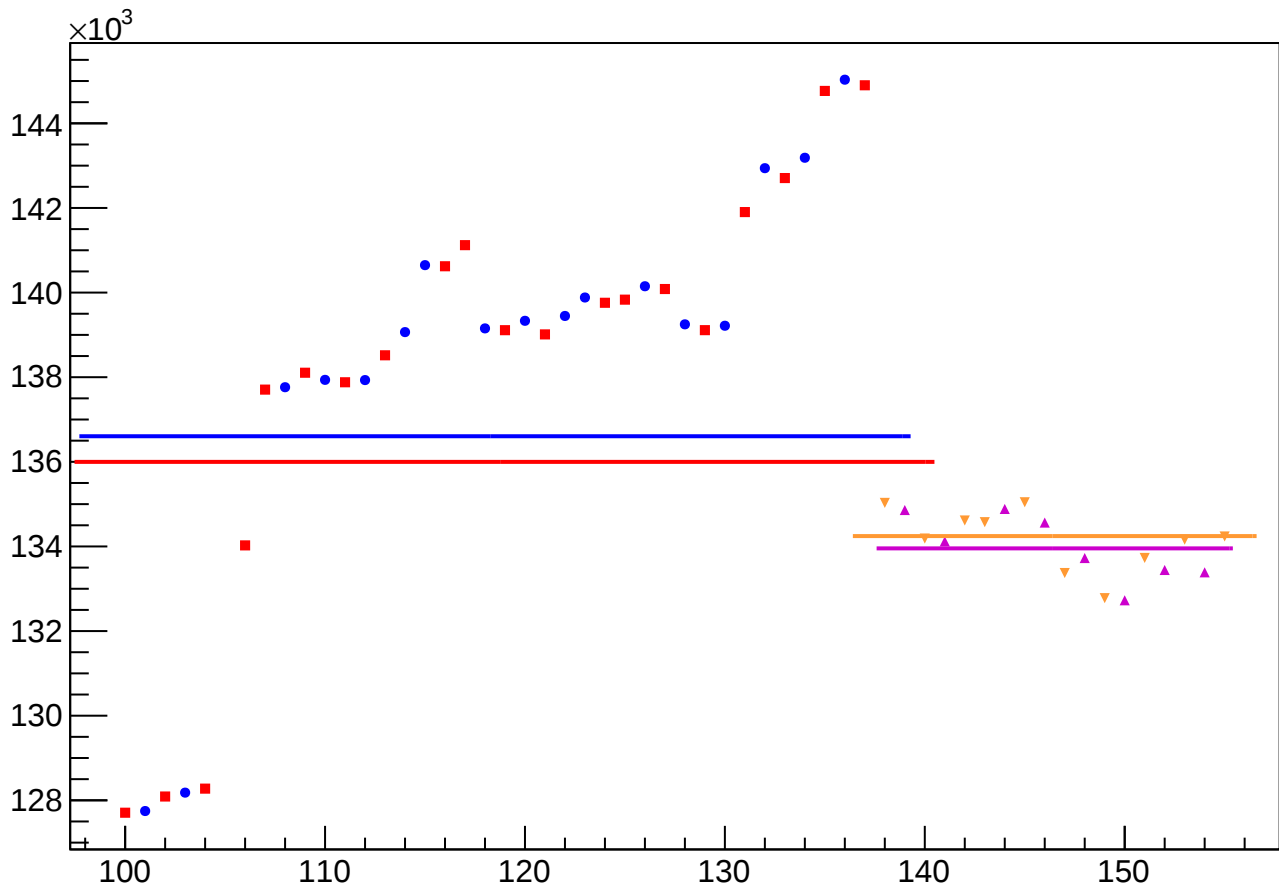
Left In: 245.376 ± 0.070 $\chi^2/\text{NDF}: 334079.7/7$

220.348 ± 0.044 $\chi^2/\text{NDF}: 1591116.3/26$

216.084 ± 0.030 $\chi^2/\text{NDF}: 3159312.5/54$

212.012 ± 0.043 $\chi^2/\text{NDF}: 1549439.5/27$

yield_bpm0l03WS_mean vs Slug, Sign Corrected



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

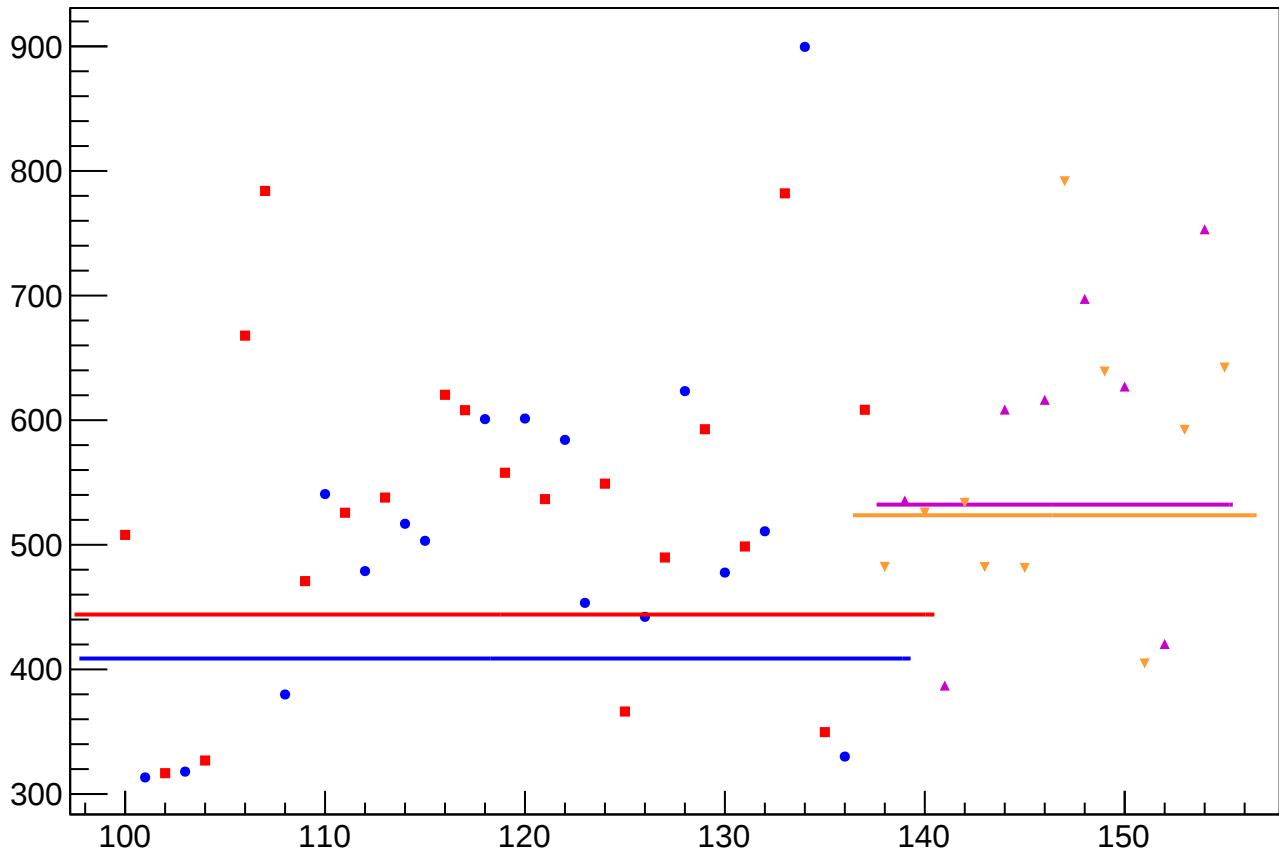
Left In: 133954.270 $\pm$ 0.231 χ^2 /NDF: 8644033.7/7

135634.754 $\pm$ 0.132 χ^2 /NDF: 1582533215.7/20

135441.245 $\pm$ 0.097 χ^2 /NDF: 272912662

135212.394 $\pm$ 0.143 χ^2 /NDF: 1141872000.3/27

yield_bpm0l03WS_rms vs Slug, Sign Corrected



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

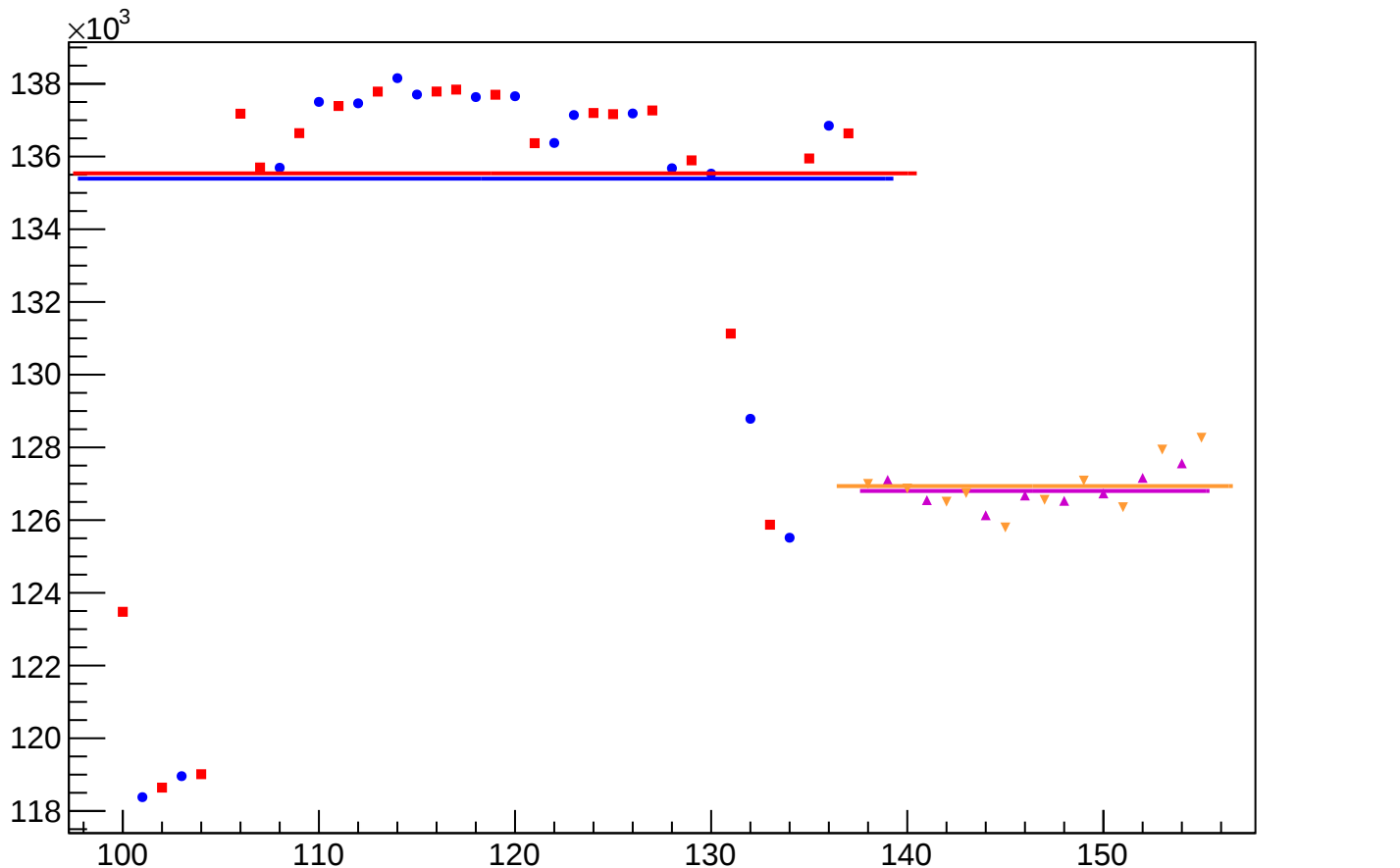
Left In: 532.248+/-0.163 χ^2/NDF : 566474.9/7

455.995+/-0.093 χ^2/NDF : 1619823.0/26

466.061+/-0.068 χ^2/NDF : 3314338.6/54

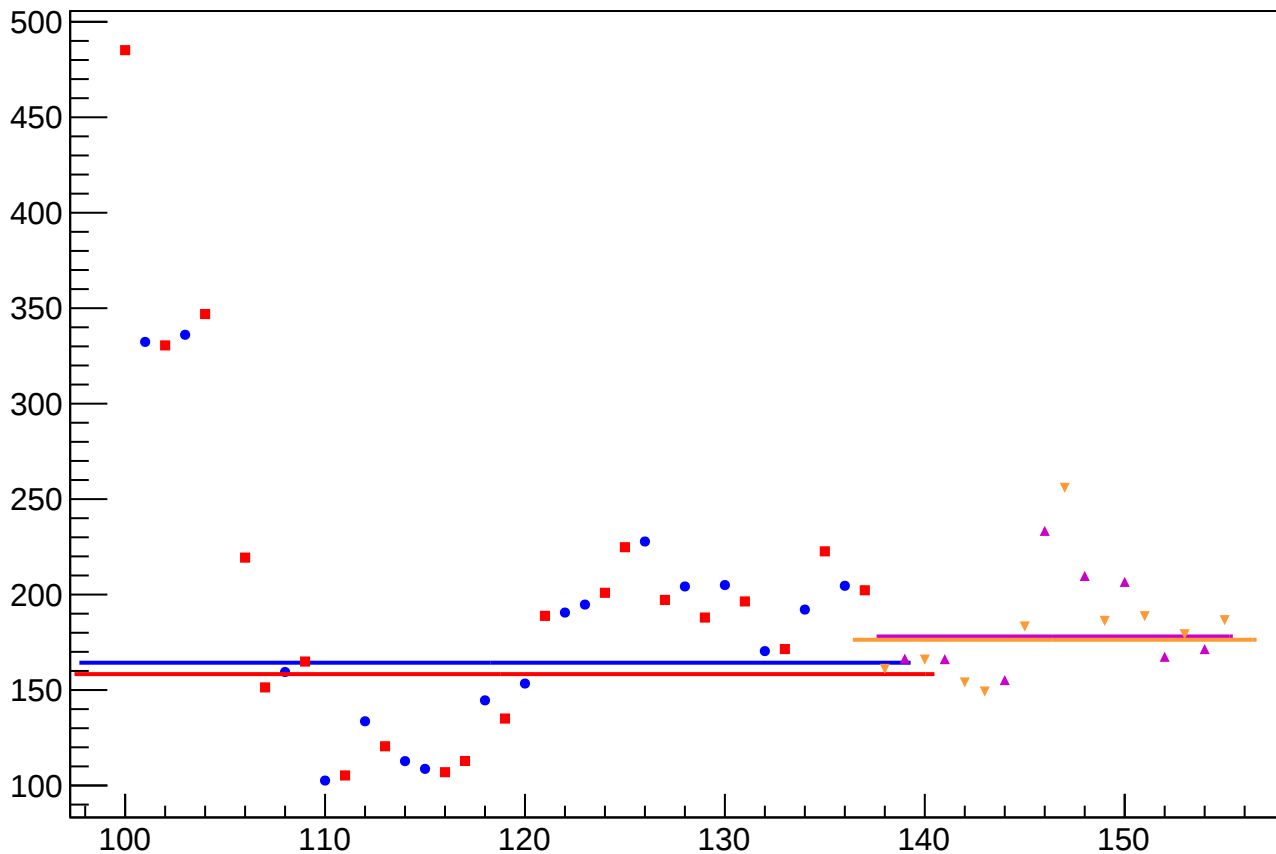
477.966+/-0.101 χ^2/NDF : 1668963.4/27

yield_bpm0l04WS_mean vs Slug, Sign Corrected



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	131333.274 $\pm$ 0.034	χ^2 /NDF: 258042102
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, Sign Corrected



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

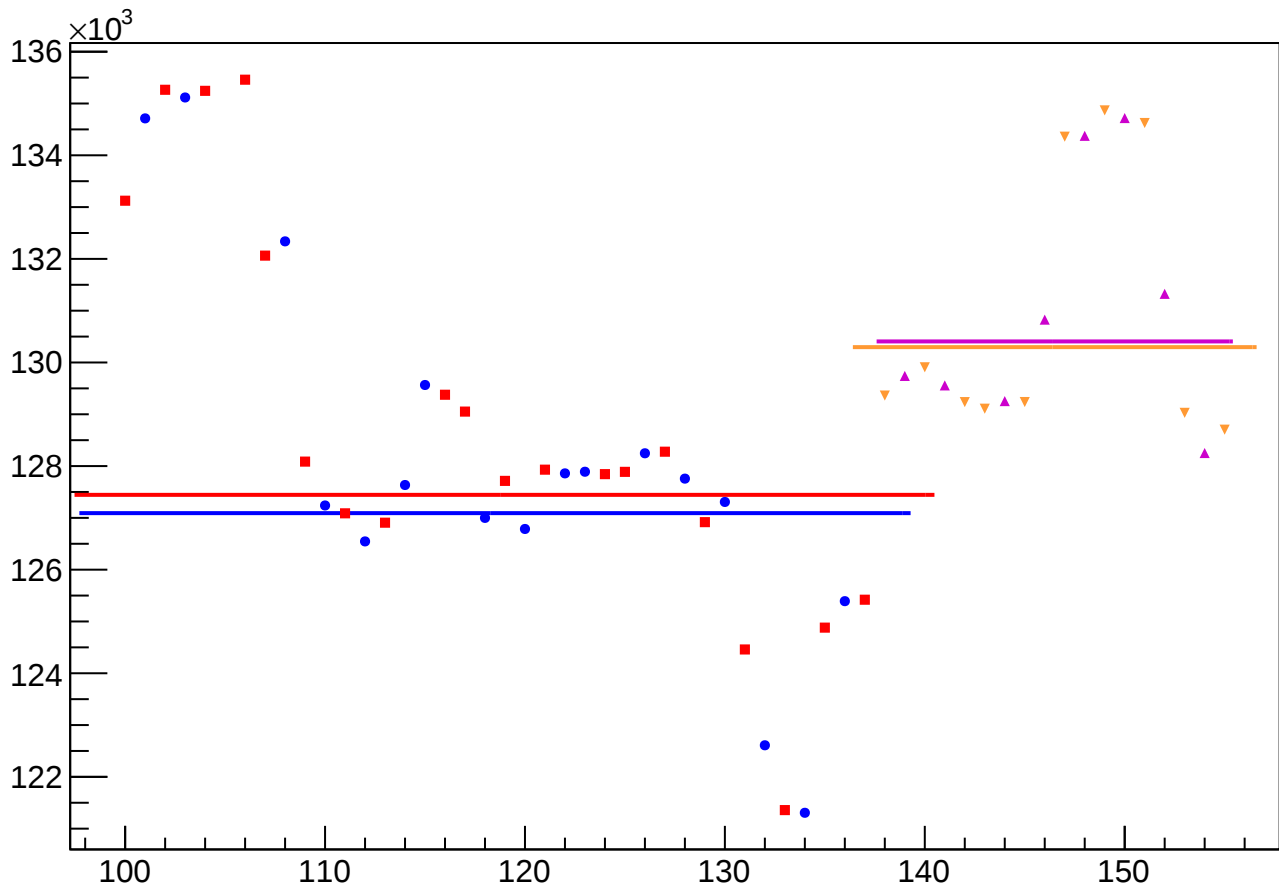
Left In: 178.058 +/- 0.050 χ^2/NDF : 217147.8/7

170.496 +/- 0.034 χ^2/NDF : 1510180.3/26

168.832 +/- 0.024 χ^2/NDF : 3215786.4/54

167.173 +/- 0.034 χ^2/NDF : 1700720.5/27

yield_bpm0l05WS_mean vs Slug, Sign Corrected



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

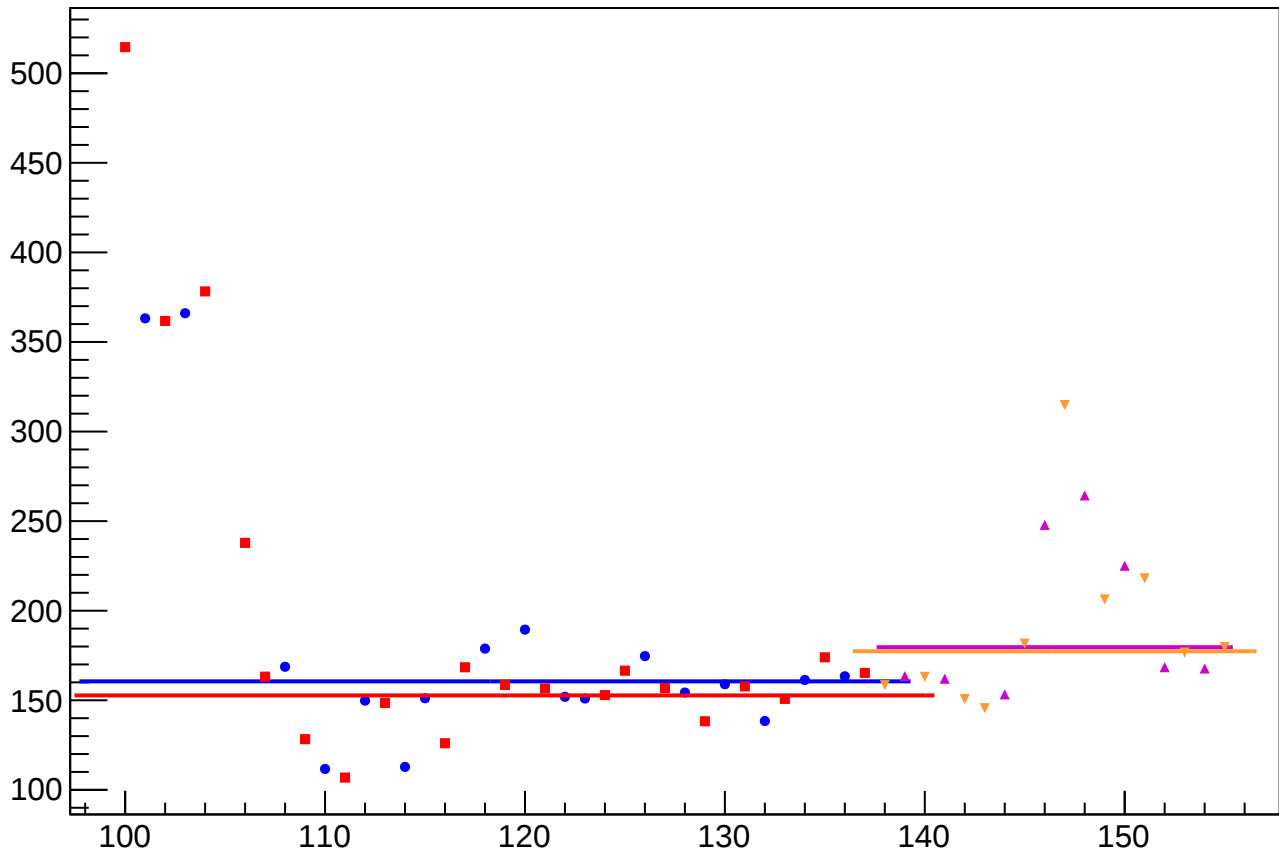
Left In: 130406.524 $\pm$ 0.072 χ^2 /NDF: 731165459.4/7

128663.424 $\pm$ 0.047 χ^2 /NDF: 3897987979.7/20

128674.098 $\pm$ 0.033 χ^2 /NDF: 768668881.0/10

128684.537 $\pm$ 0.047 χ^2 /NDF: 3788600232.5/27

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 160.564+/-0.047 χ^2/NDF : 942747.0/16

Left Out: 177.347+/-0.048 χ^2/NDF : 499336.3/9

Right Out: 152.711+/-0.043 χ^2/NDF : 1087186.3/19

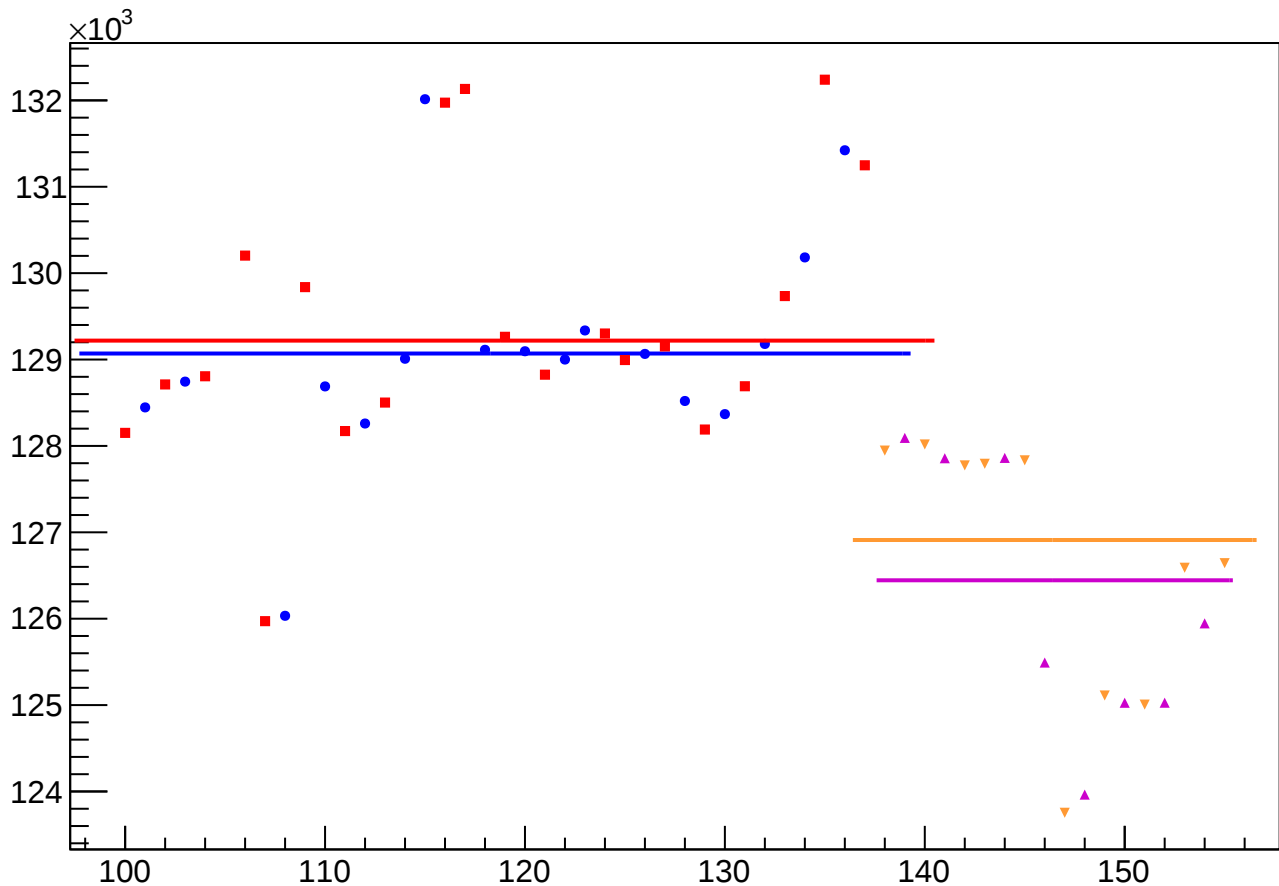
Left In: 179.643+/-0.051 χ^2/NDF : 446160.0/7

168.796+/-0.033 χ^2/NDF : 1504935.3/26

166.364+/-0.024 χ^2/NDF : 3209903.6/54

163.986+/-0.033 χ^2/NDF : 1694522.3/27

yield_bpm0l06WS_mean vs Slug, Sign Corrected



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

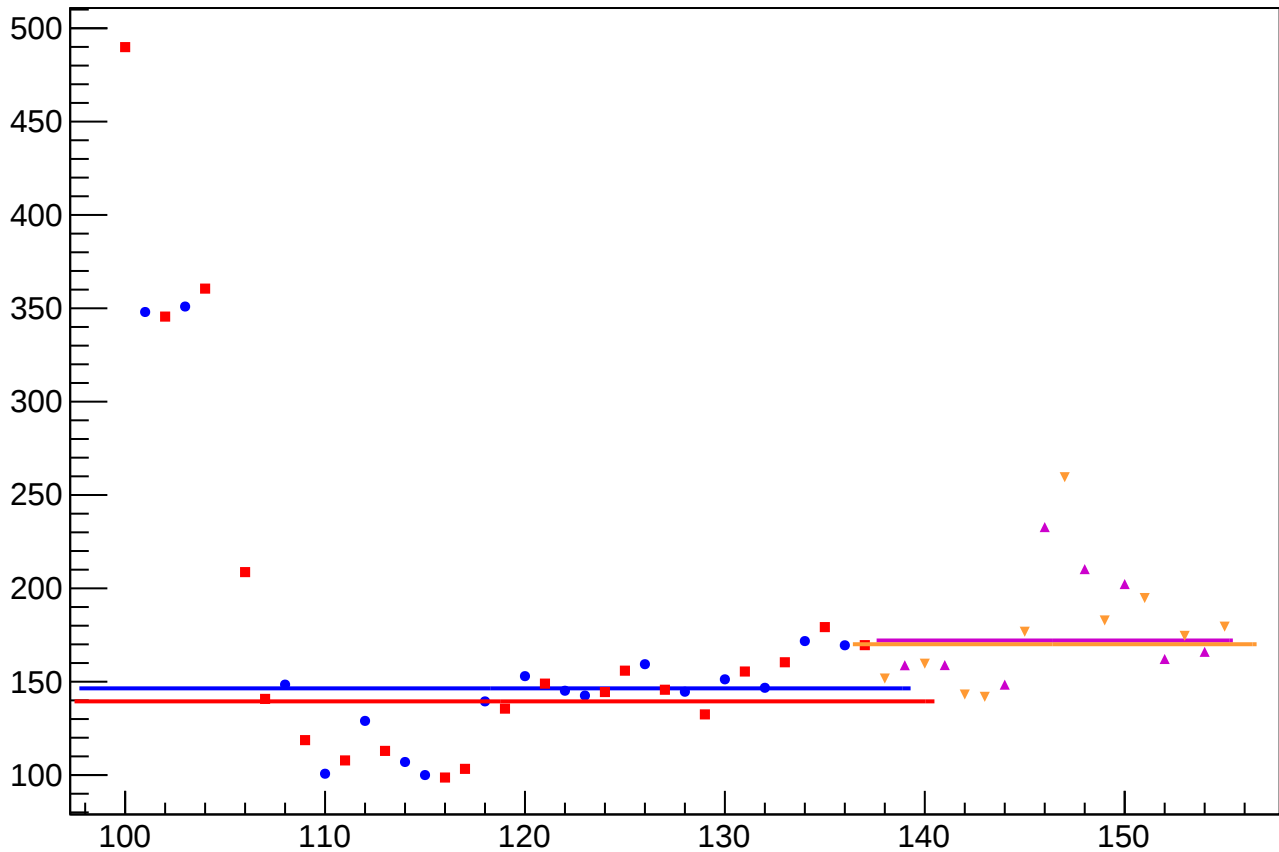
Left In: 126444.595 $\pm$ 0.069 χ^2 /NDF: 448137994.6/7

128060.020 $\pm$ 0.044 χ^2 /NDF: 1480779187.0/20

128089.445 $\pm$ 0.031 χ^2 /NDF: 357357950.0/10

128118.057 $\pm$ 0.043 χ^2 /NDF: 2091914125.4/27

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 146.437+/-0.043 χ^2/NDF : 1064791.0/16

Left Out: 170.069+/-0.045 χ^2/NDF : 332932.6/9

Right Out: 139.468+/-0.039 χ^2/NDF : 1214310.8/19

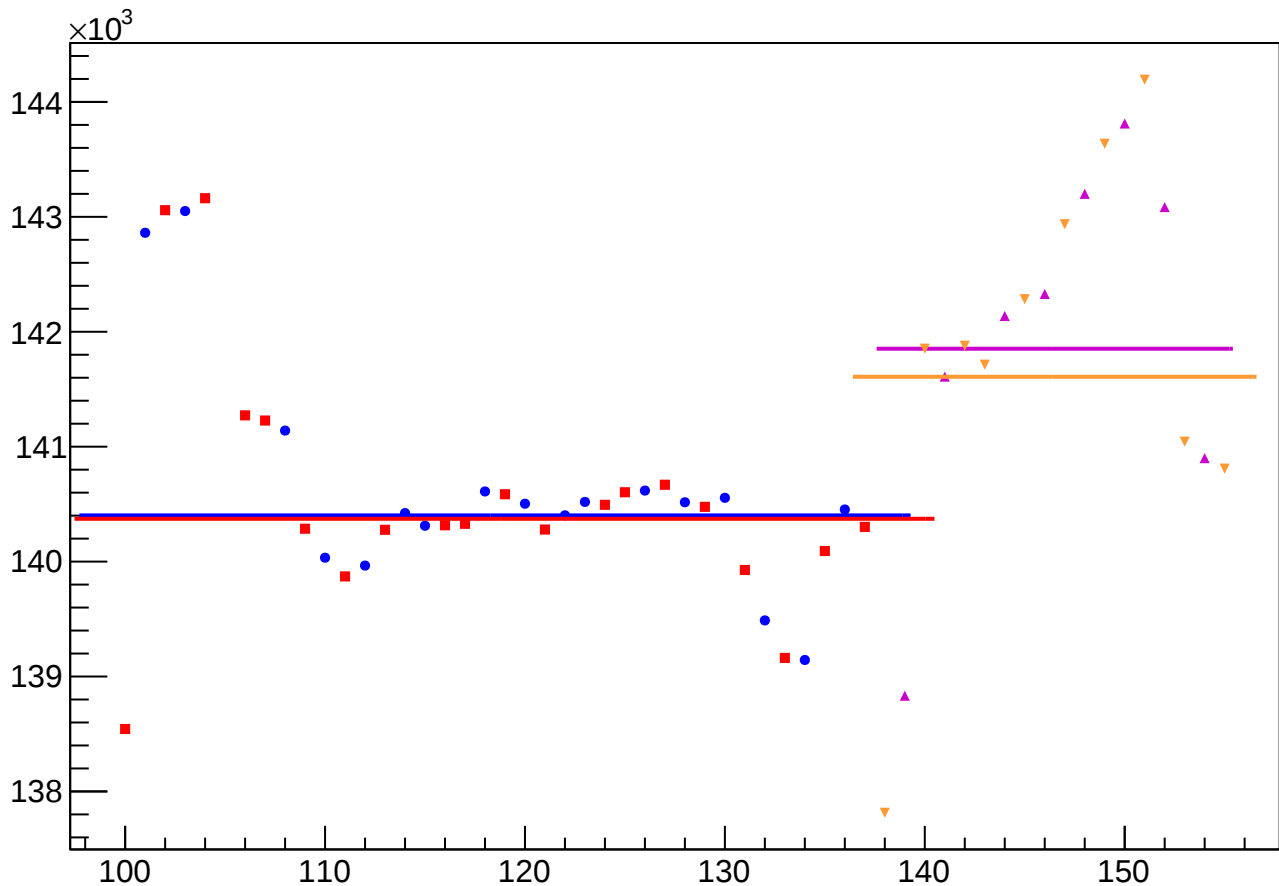
Left In: 172.074+/-0.049 χ^2/NDF : 268506.8/7

157.490+/-0.031 χ^2/NDF : 1542018.5/26

154.913+/-0.022 χ^2/NDF : 3310059.9/54

152.407+/-0.031 χ^2/NDF : 1754445.4/27

yield_bpm0l07WS_mean vs Slug, Sign Corrected



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

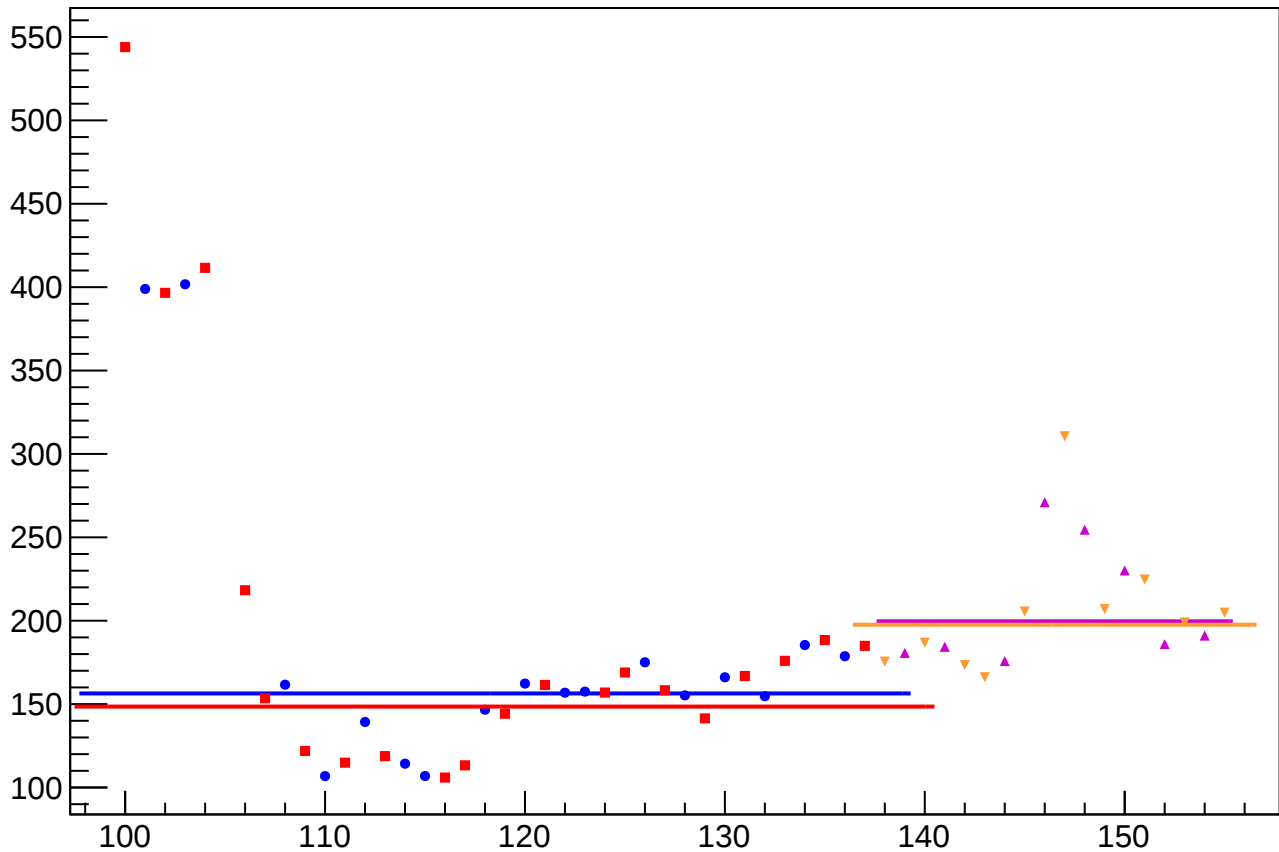
Left In: 141852.453 $\pm$ 0.080 χ^2 /NDF: 333663505.2/7

140915.031 $\pm$ 0.049 χ^2 /NDF: 788203829.1/26

140907.623 $\pm$ 0.034 χ^2 /NDF: 144248882

140900.537 $\pm$ 0.048 χ^2 /NDF: 654239884.9/27

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 156.394 +/- 0.046 χ^2/NDF : 1154804.2/16

Left Out: 197.604 +/- 0.053 χ^2/NDF : 325616.8/9

Right Out: 148.524 +/- 0.042 χ^2/NDF : 1316113.9/19

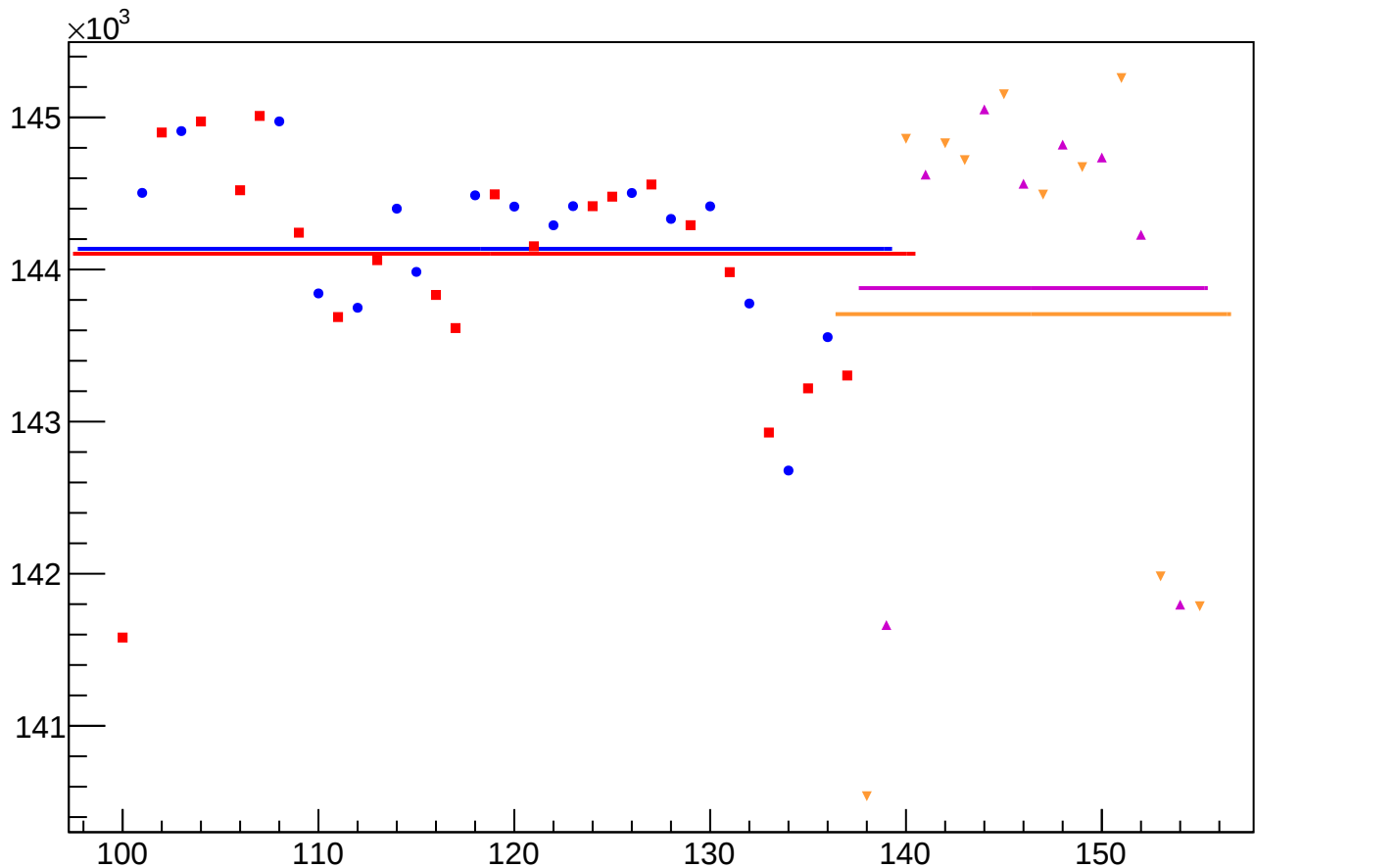
Left In: 199.644 +/- 0.056 χ^2/NDF : 280527.3/7

173.917 +/- 0.034 χ^2/NDF : 1829235.4/26

170.260 +/- 0.024 χ^2/NDF : 3974652.0/54

166.760 +/- 0.034 χ^2/NDF : 2123415.7/27

yield_bpm0l08WS_mean vs Slug, Sign Corrected



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

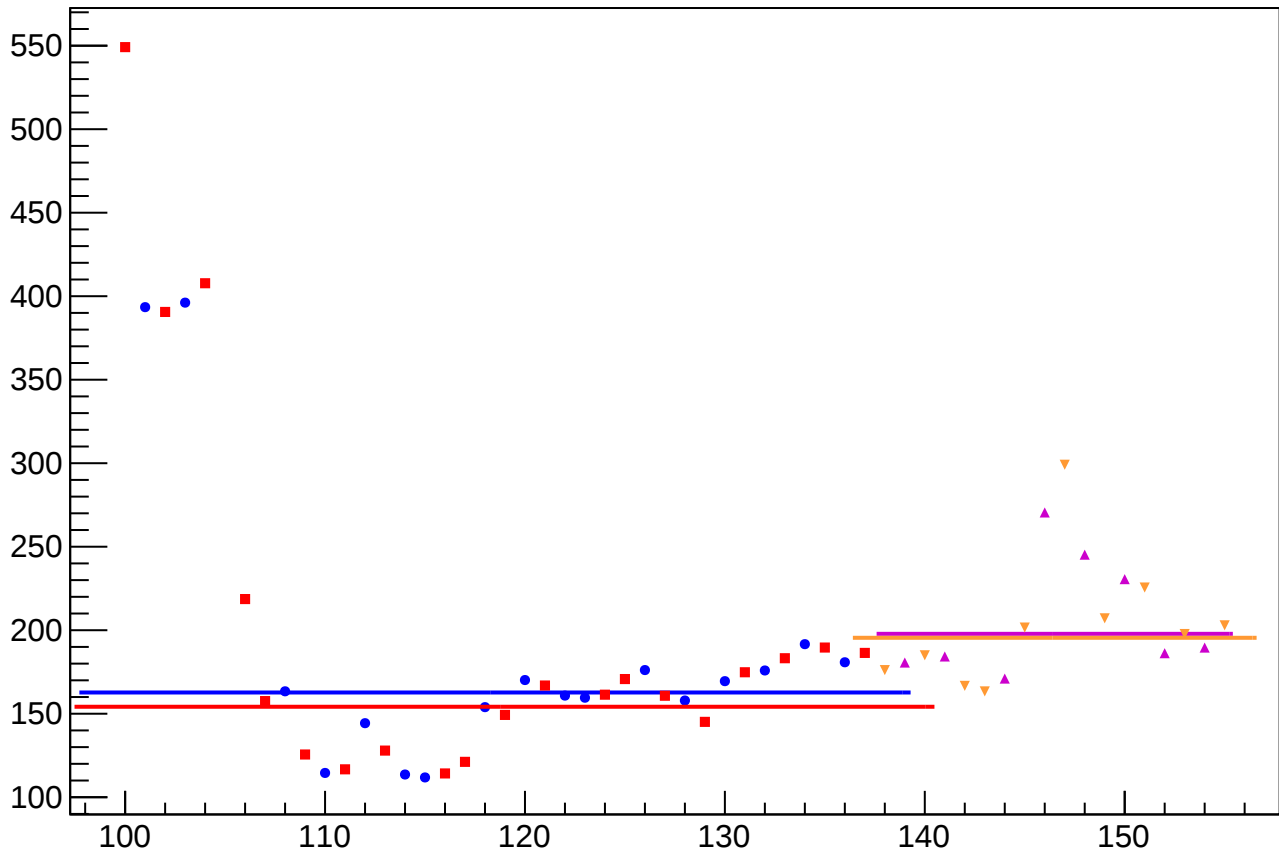
Left In: 143877.896 $\pm$ 0.079 χ^2/NDF : 285094105.0/7

143943.229 $\pm$ 0.050 χ^2/NDF : 590957725.6/26

143981.767 $\pm$ 0.035 χ^2/NDF : 948291180

144018.810 $\pm$ 0.049 χ^2/NDF : 356147119.5/27

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 162.714 ± 0.047 $\chi^2/\text{NDF}: 1066482.0/16$

Left Out: 195.466 ± 0.052 $\chi^2/\text{NDF}: 319431.4/9$

Right Out: 154.174 ± 0.044 $\chi^2/\text{NDF}: 1224004.2/19$

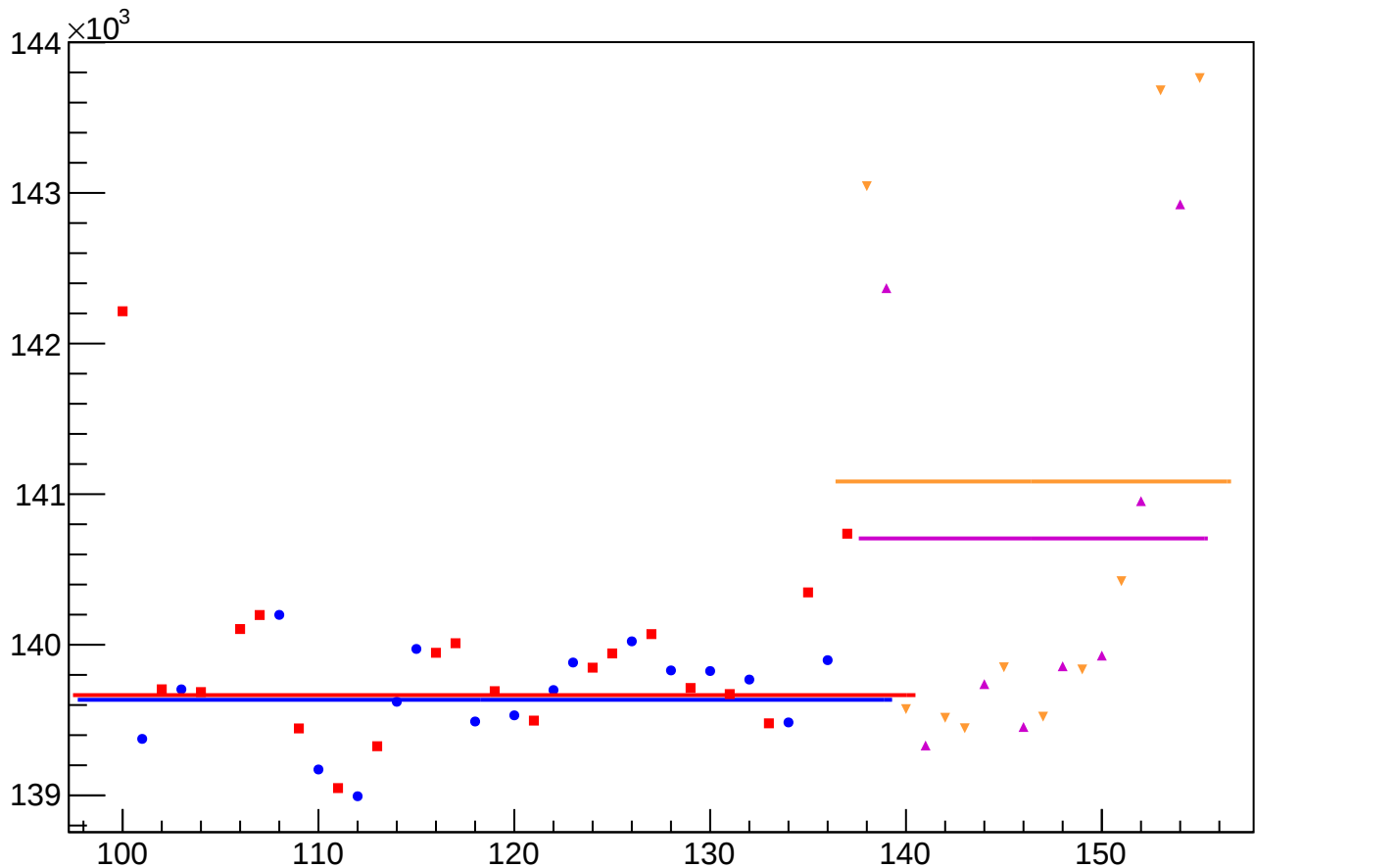
Left In: 197.841 ± 0.056 $\chi^2/\text{NDF}: 277223.0/7$

177.429 ± 0.035 $\chi^2/\text{NDF}: 1602113.0/26$

173.953 ± 0.025 $\chi^2/\text{NDF}: 3501972.2/54$

170.613 ± 0.034 $\chi^2/\text{NDF}: 1880563.8/27$

yield_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: 139634.700 $\pm$ 0.068 χ^2/NDF : 24844912.0/16

Left Out: 141084.381 $\pm$ 0.079 χ^2/NDF : 525124018.2/9

Right Out: 139665.743 $\pm$ 0.063 χ^2/NDF : 38703726.2/19

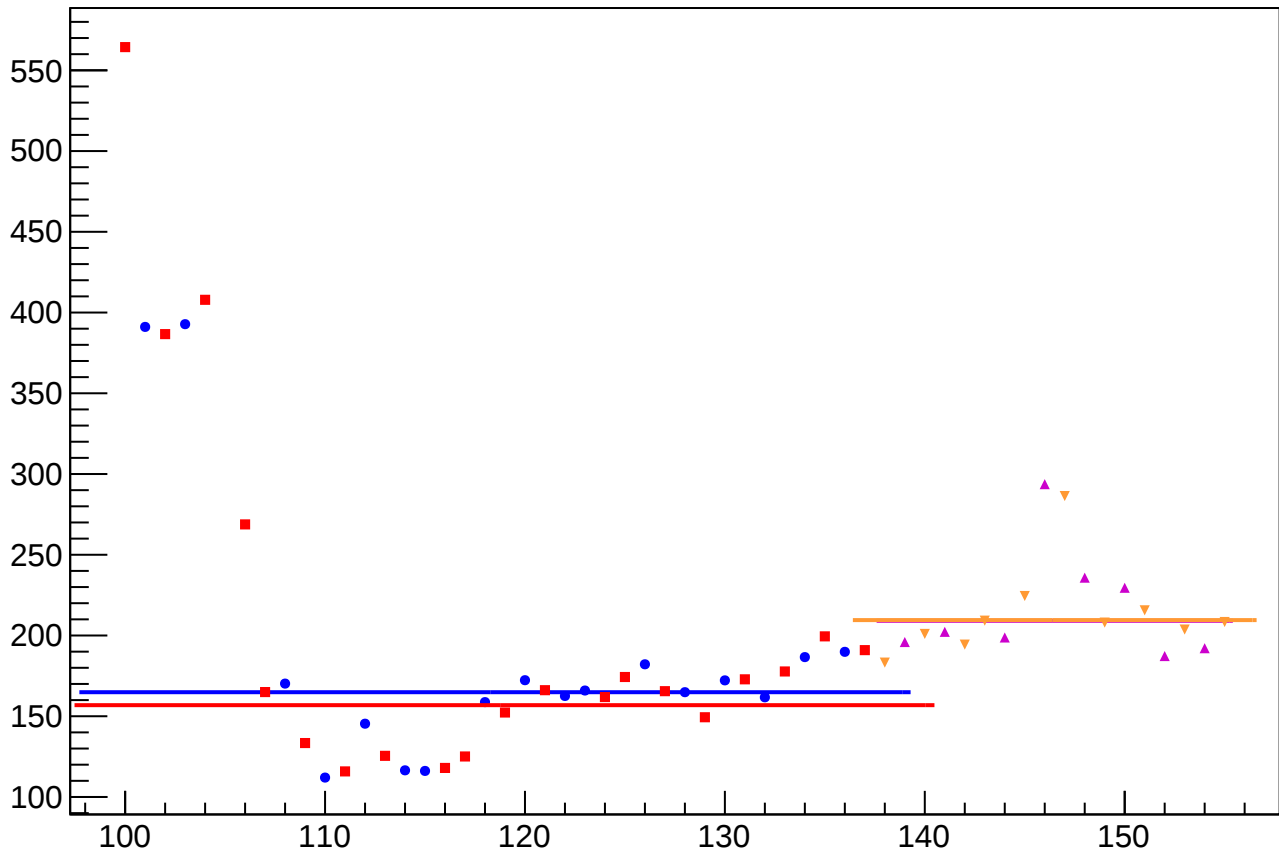
Left In: 140705.956 $\pm$ 0.083 χ^2/NDF : 251443378.1/7

140252.993 $\pm$ 0.051 χ^2/NDF : 745093366.3/26

140144.455 $\pm$ 0.036 χ^2/NDF : 114326862

140040.924 $\pm$ 0.050 χ^2/NDF : 389438019.3/27

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 164.884 ± 0.048 χ^2/NDF : 1066270.8/16

Left Out: 209.536 ± 0.056 χ^2/NDF : 158516.7/9

Right Out: 156.859 ± 0.044 χ^2/NDF : 1250656.2/19

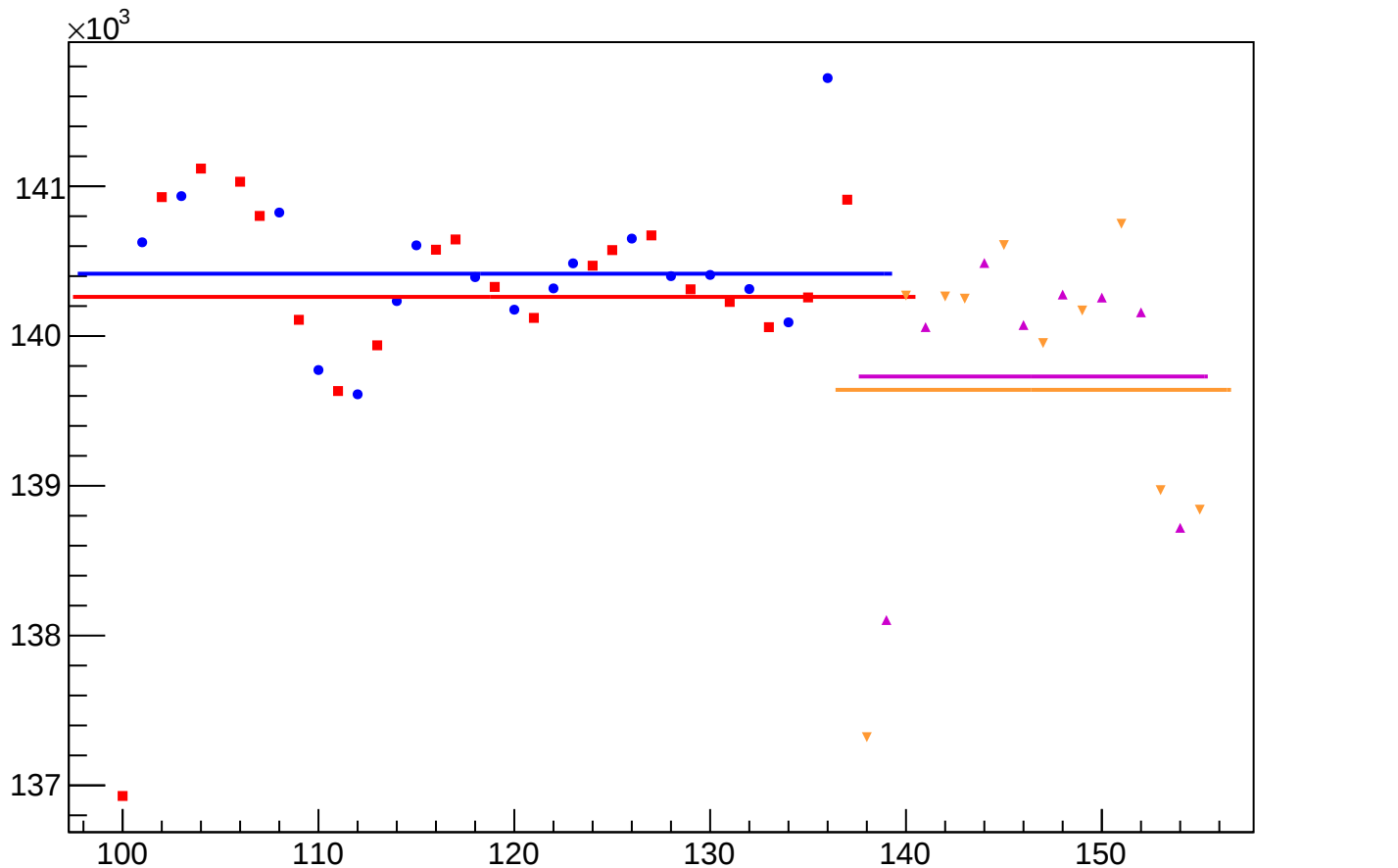
Left In: 209.098 ± 0.059 χ^2/NDF : 209829.2/7

183.928 ± 0.036 χ^2/NDF : 1595015.6/26

179.717 ± 0.025 χ^2/NDF : 3582613.4/54

175.701 ± 0.035 χ^2/NDF : 1961293.9/27

yield_bpm0l10WS_mean vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 38479140.4/19$

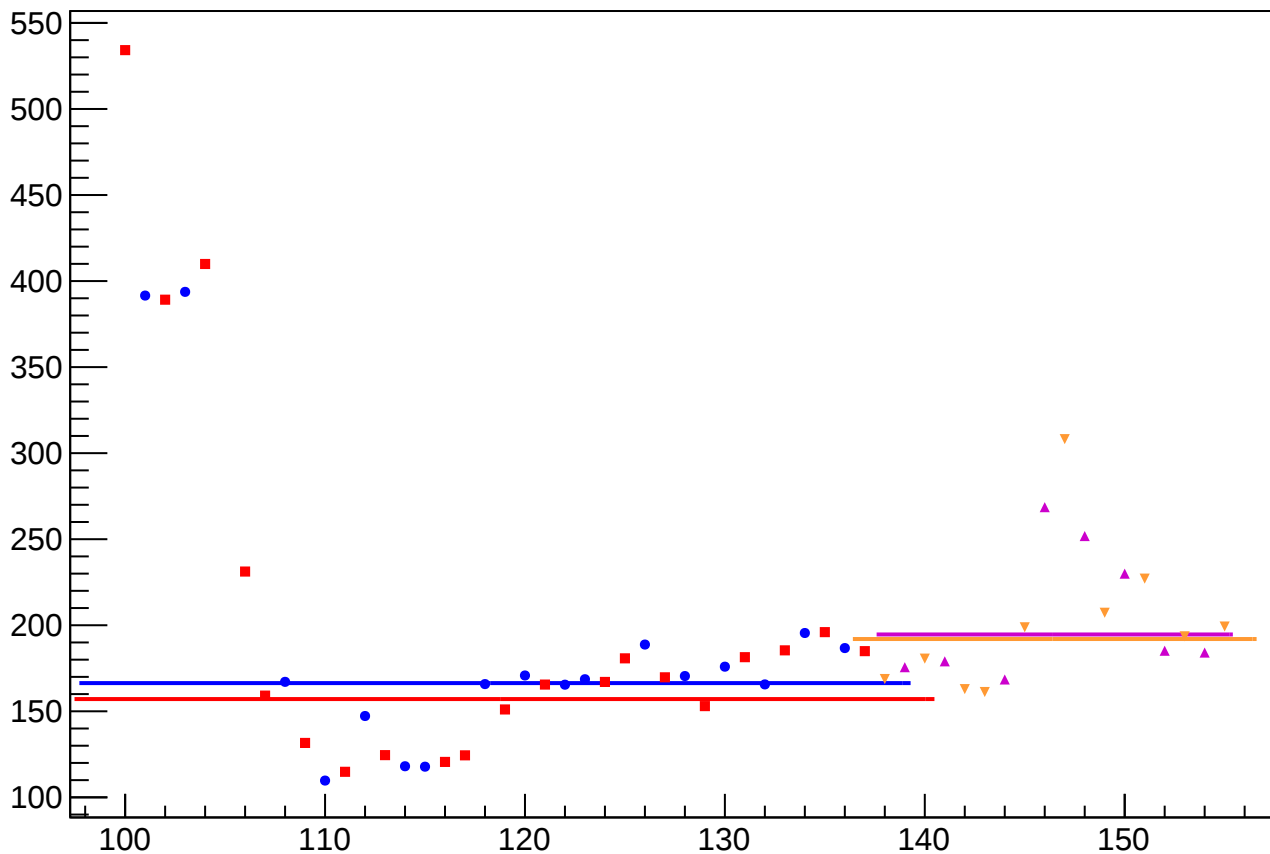
Left In: 139729.797 ± 0.078 $\chi^2/\text{NDF}: 116273051.5/7$

140051.921 ± 0.050 $\chi^2/\text{NDF}: 352525281.5/26$

140052.009 ± 0.035 $\chi^2/\text{NDF}: 535470510$

140052.094 ± 0.049 $\chi^2/\text{NDF}: 182945223.0/27$

yield_bpm0l10WS_rms vs Slug, Sign Corrected



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

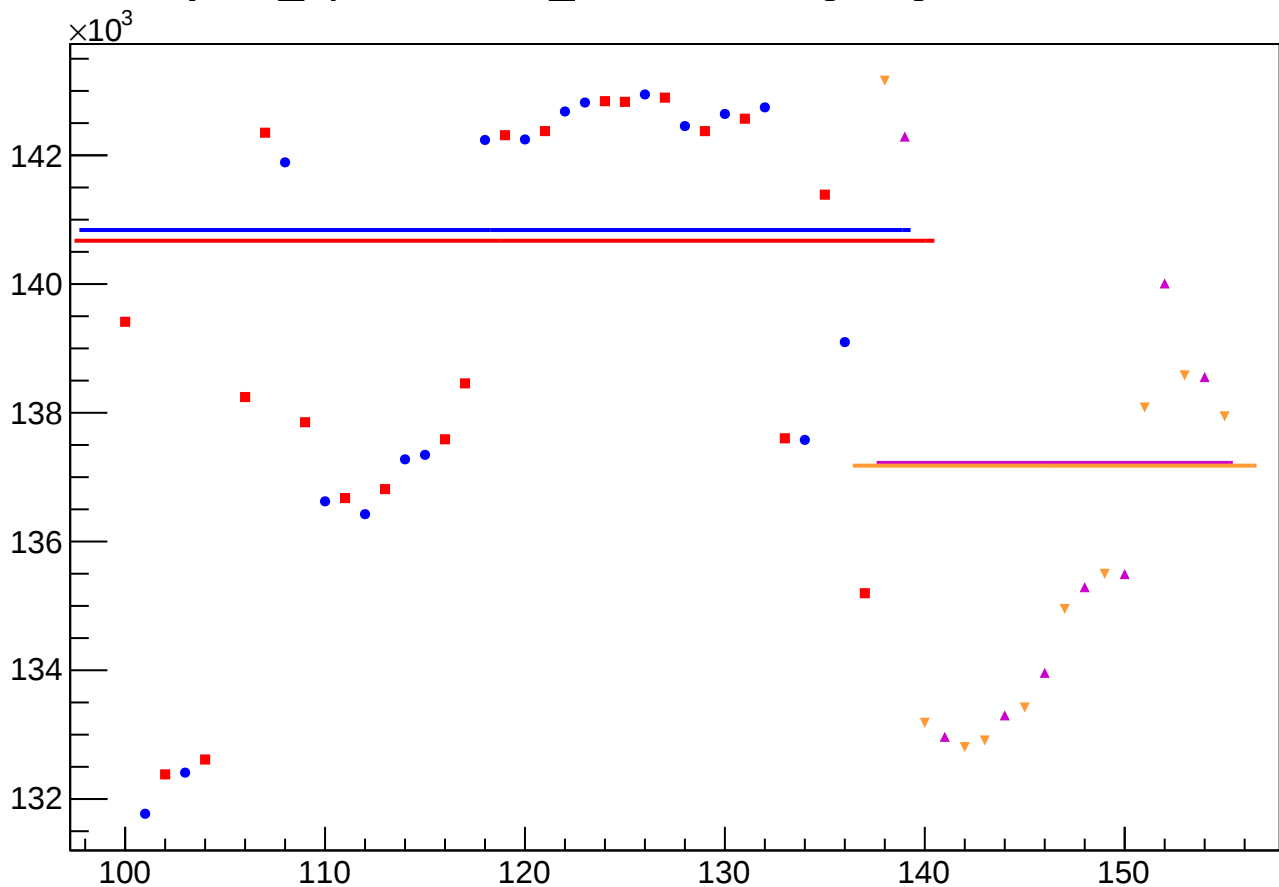
Left In: 194.644 +/- 0.055 χ^2/NDF : 318084.4/7

178.416 +/- 0.035 χ^2/NDF : 1589898.1/26

175.089 +/- 0.025 χ^2/NDF : 3442662.6/54

171.883 +/- 0.035 χ^2/NDF : 1835244.8/27

yield_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: 140839.133 ± 0.100 $\chi^2/\text{NDF}: 822682996.3/16$

Left Out: 137178.876 ± 0.115 $\chi^2/\text{NDF}: 1092386487.6/9$

Right Out: 140672.898 ± 0.099 $\chi^2/\text{NDF}: 841965357.5/19$

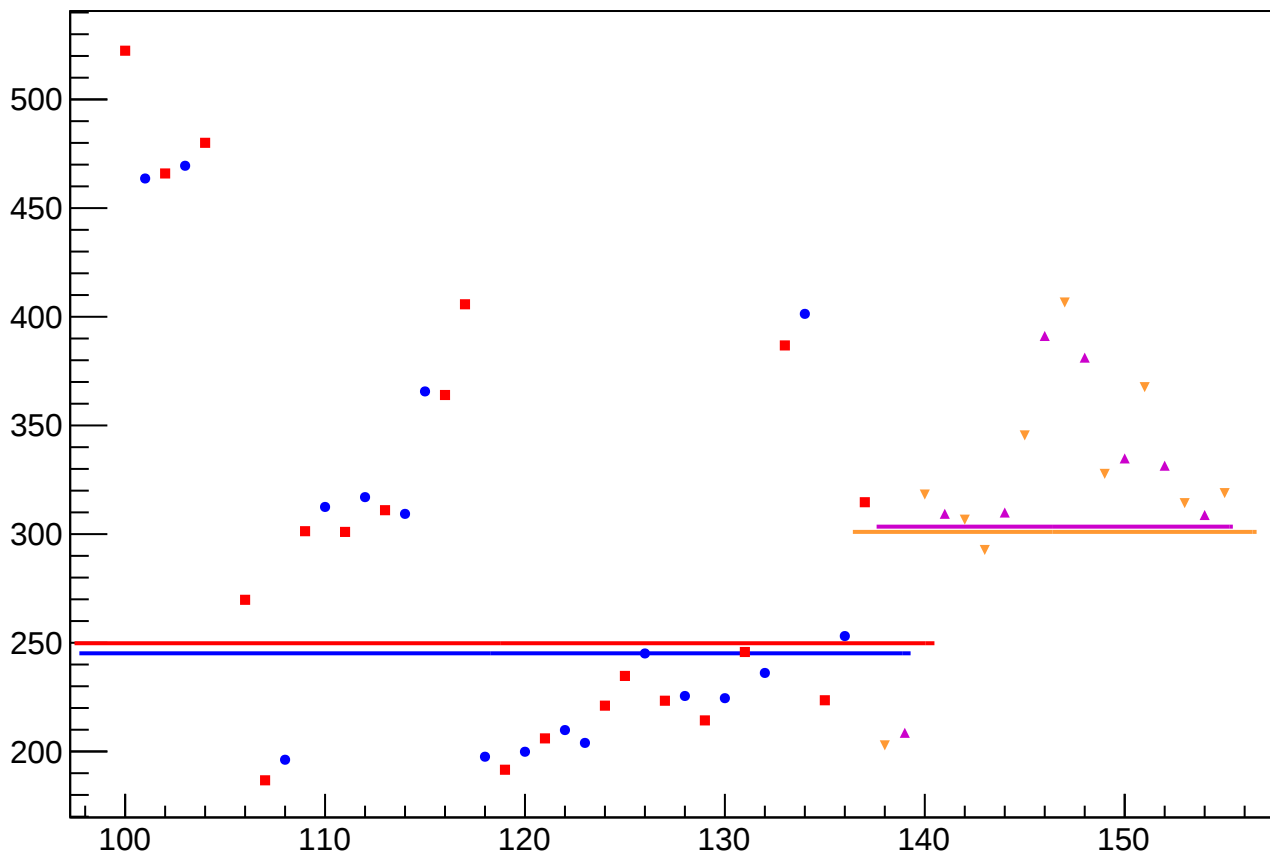
Left In: 137221.171 ± 0.123 $\chi^2/\text{NDF}: 837874901.4/7$

139268.584 ± 0.076 $\chi^2/\text{NDF}: 2489796033.1/20$

139293.673 ± 0.054 $\chi^2/\text{NDF}: 464662169$

139319.841 ± 0.077 $\chi^2/\text{NDF}: 2156600469.3/27$

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 245.159 $\pm$ 0.071 χ^2/NDF : 869491.6/16

Left Out: 301.026 $\pm$ 0.082 χ^2/NDF : 531763.2/9

Right Out: 249.792 $\pm$ 0.070 χ^2/NDF : 1022316.0/19

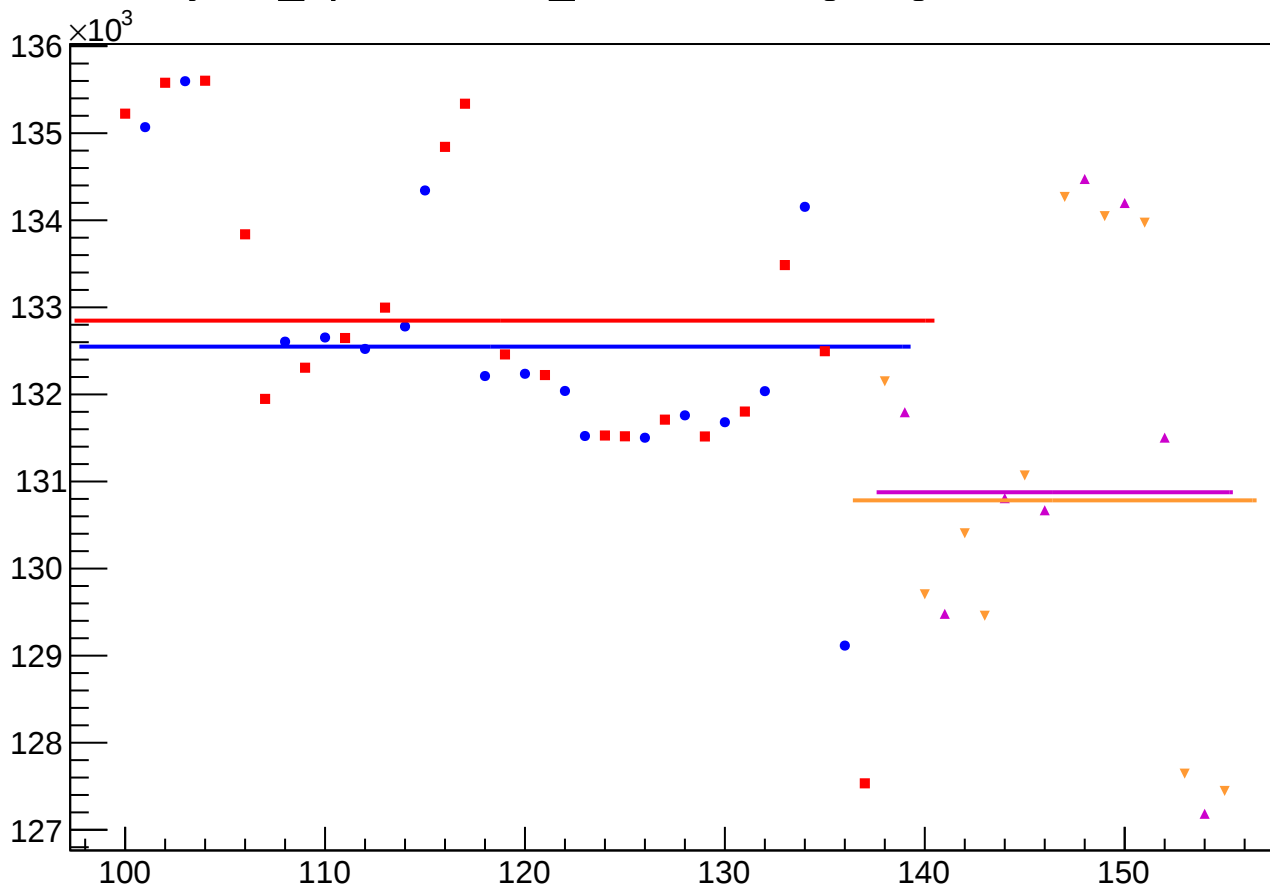
Left In: 303.440 $\pm$ 0.087 χ^2/NDF : 438707.4/7

269.130 $\pm$ 0.053 χ^2/NDF : 1669032.0/26

269.958 $\pm$ 0.038 χ^2/NDF : 3360879.4/54

270.822 $\pm$ 0.055 χ^2/NDF : 1691357.0/27

yield_bpm0r05WS_mean vs Slug, Sign Corrected



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

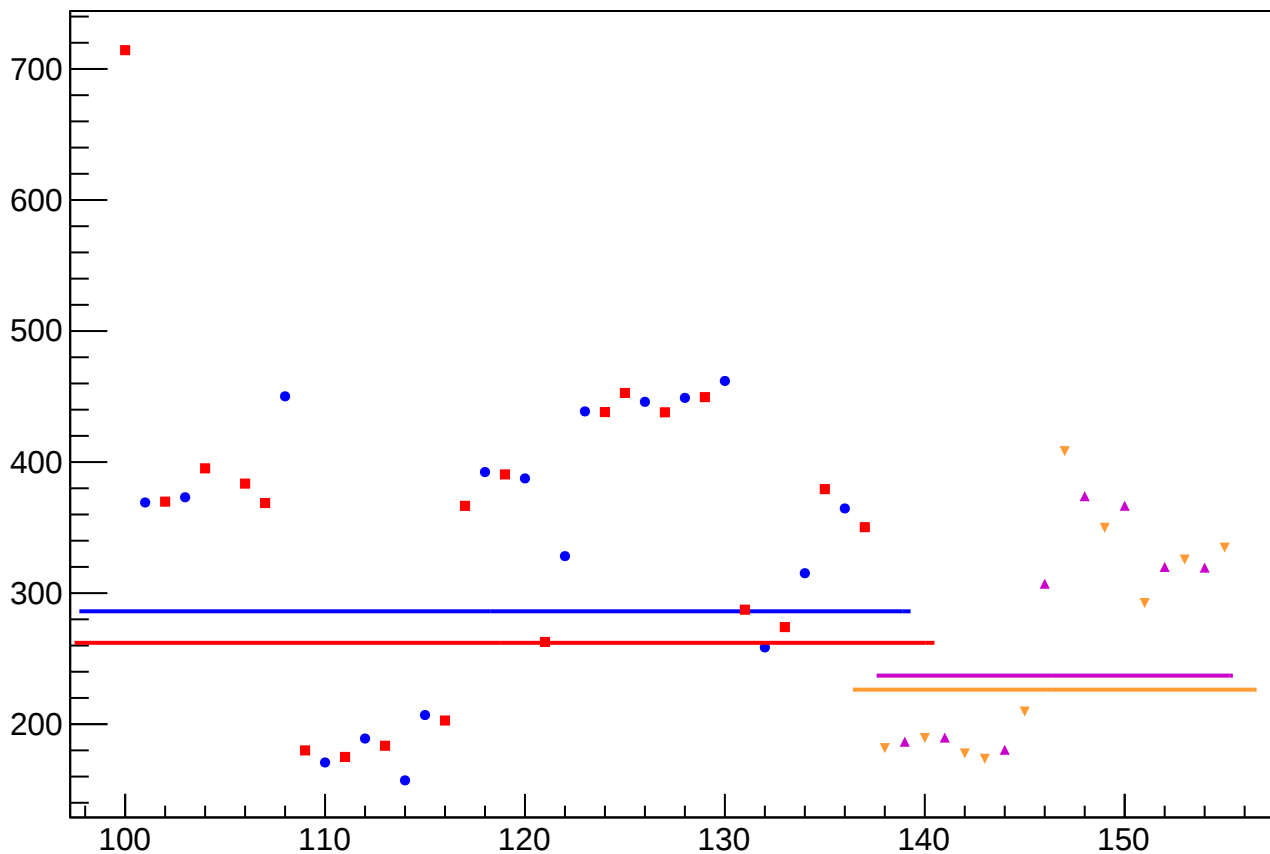
Left In: 130876.553 $\pm$ 0.098 χ^2 /NDF: 319317372.2/7

131413.995 $\pm$ 0.071 χ^2 /NDF: 768954125.2/26

131594.727 $\pm$ 0.051 χ^2 /NDF: 143686338

131780.937 $\pm$ 0.072 χ^2 /NDF: 654879277.2/27

yield_bpm0r05WS_rms vs Slug, Sign Corrected



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

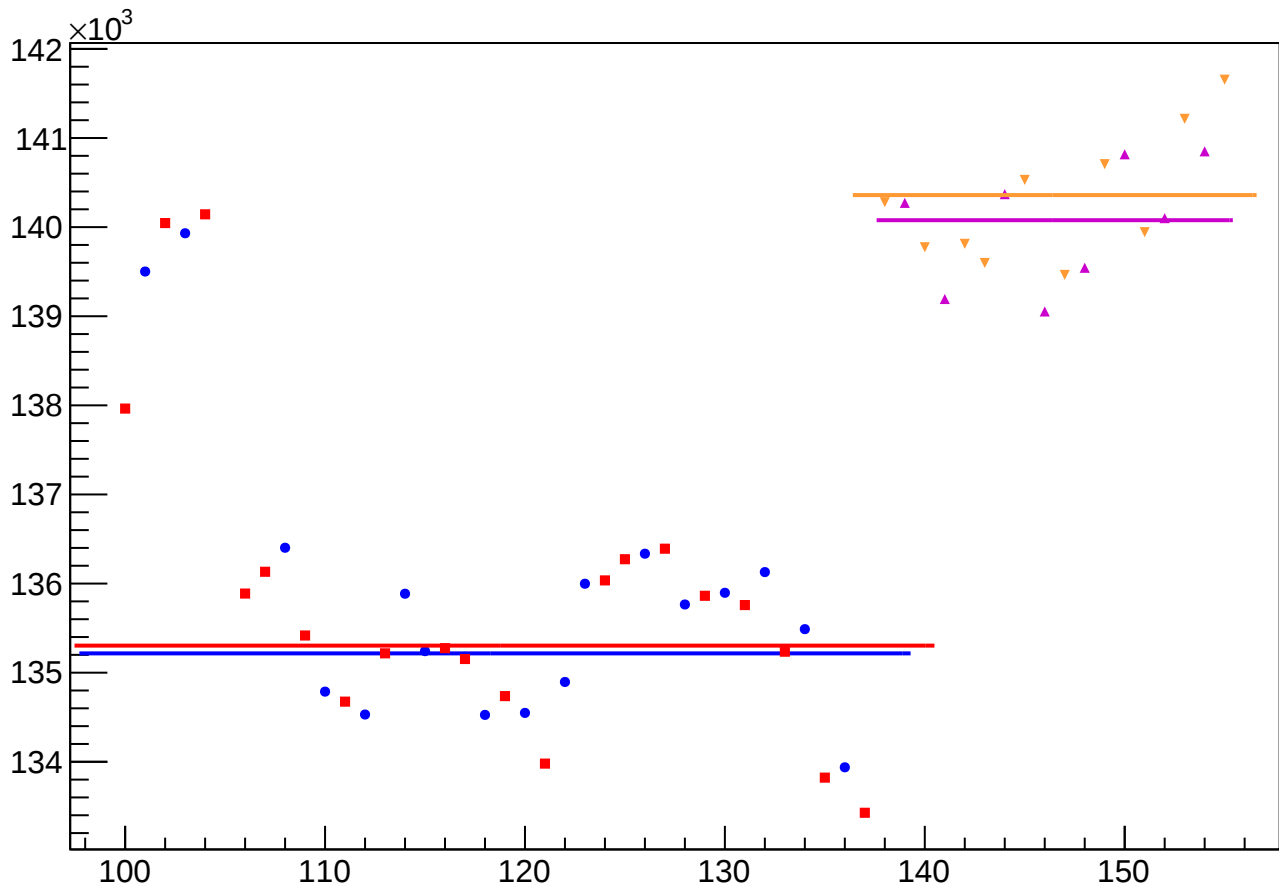
Left In: 237.056+/-0.070 χ^2/NDF : 1087425.6/7

247.694+/-0.050 χ^2/NDF : 3066224.6/26

248.108+/-0.036 χ^2/NDF : 5843292.9/54

248.535+/-0.051 χ^2/NDF : 2776931.2/27

yield_bpm0i02WS_mean vs Slug, Sign Corrected



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

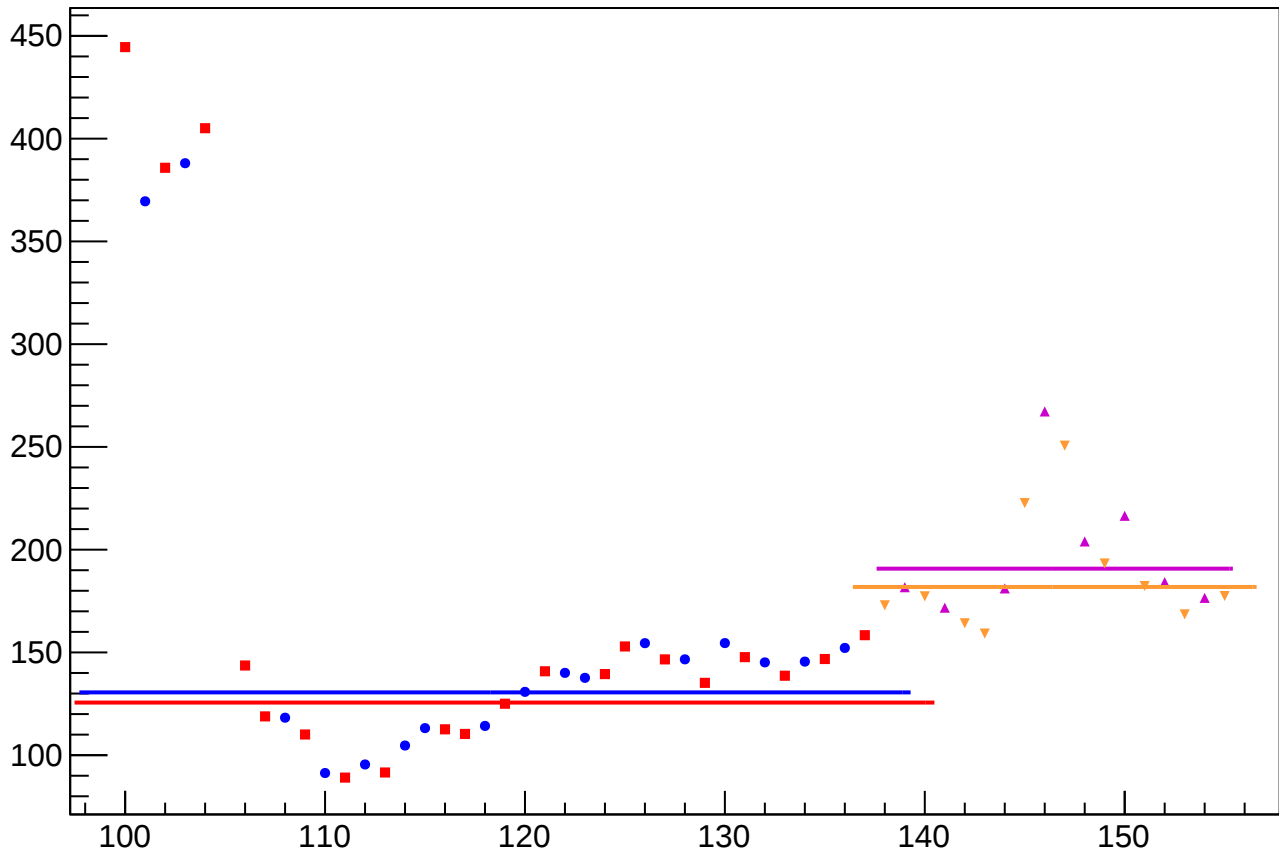
Left In: 140077.763 $\pm$ 0.076 χ^2 /NDF: 66978011.0/7

137197.241 $\pm$ 0.043 χ^2 /NDF: 3924113693.1/20

136983.567 $\pm$ 0.030 χ^2 /NDF: 710481069

136772.565 $\pm$ 0.042 χ^2 /NDF: 3130749703.6/27

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 130.552 +/- 0.038 χ^2/NDF : 1373104.9/16

Left Out: 181.852 +/- 0.049 χ^2/NDF : 217813.1/9

Right Out: 125.603 +/- 0.036 χ^2/NDF : 1441677.4/19

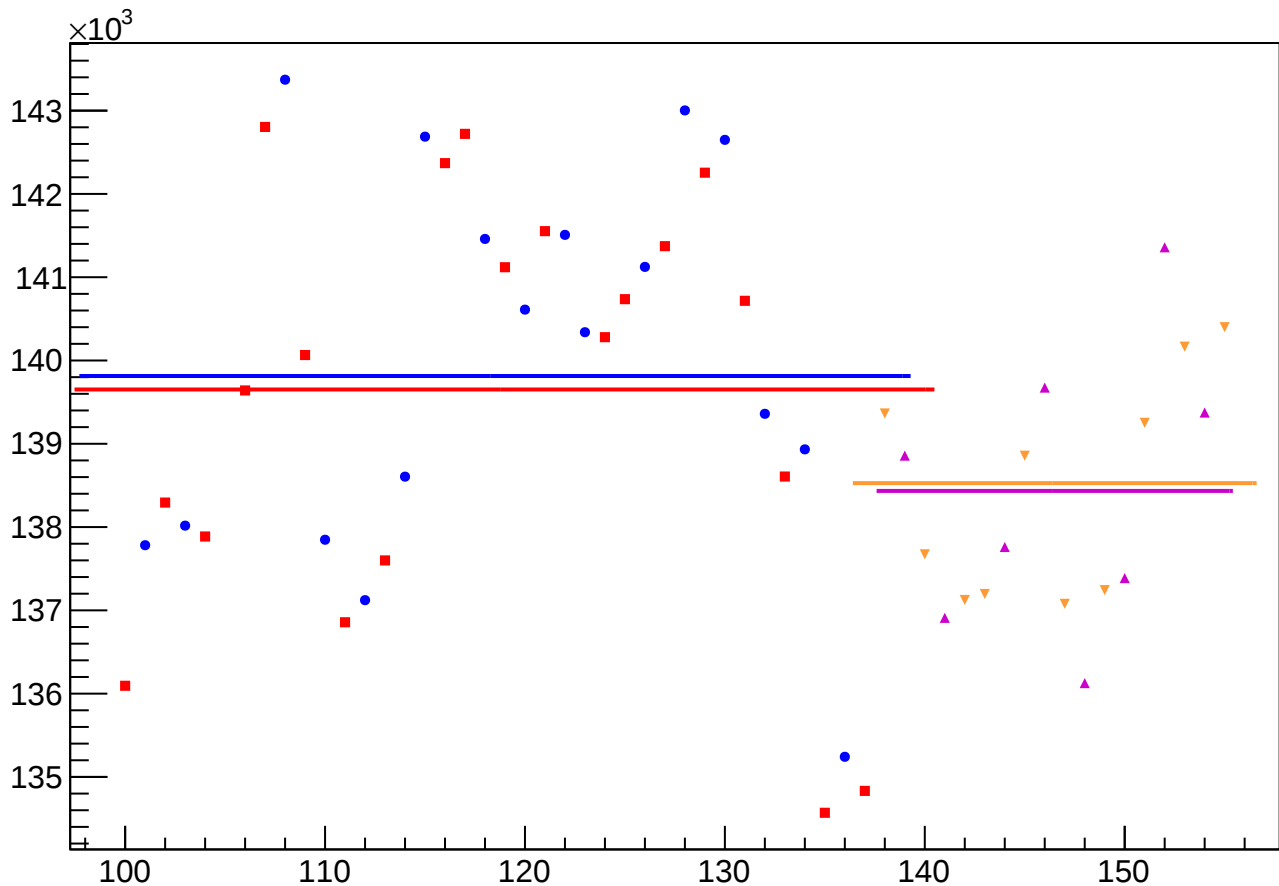
Left In: 190.762 +/- 0.054 χ^2/NDF : 192831.5/7

150.307 +/- 0.030 χ^2/NDF : 2276961.2/26

147.964 +/- 0.021 χ^2/NDF : 4931655.1/54

145.651 +/- 0.030 χ^2/NDF : 2642682.0/27

yield_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 139813.664 $\pm$ 0.062 χ^2 /NDF: 1689865533.6/16

Left Out: 138527.525 $\pm$ 0.070 χ^2 /NDF: 317347245.3/9

Right Out: 139651.821 $\pm$ 0.059 χ^2 /NDF: 1531019137.4/19

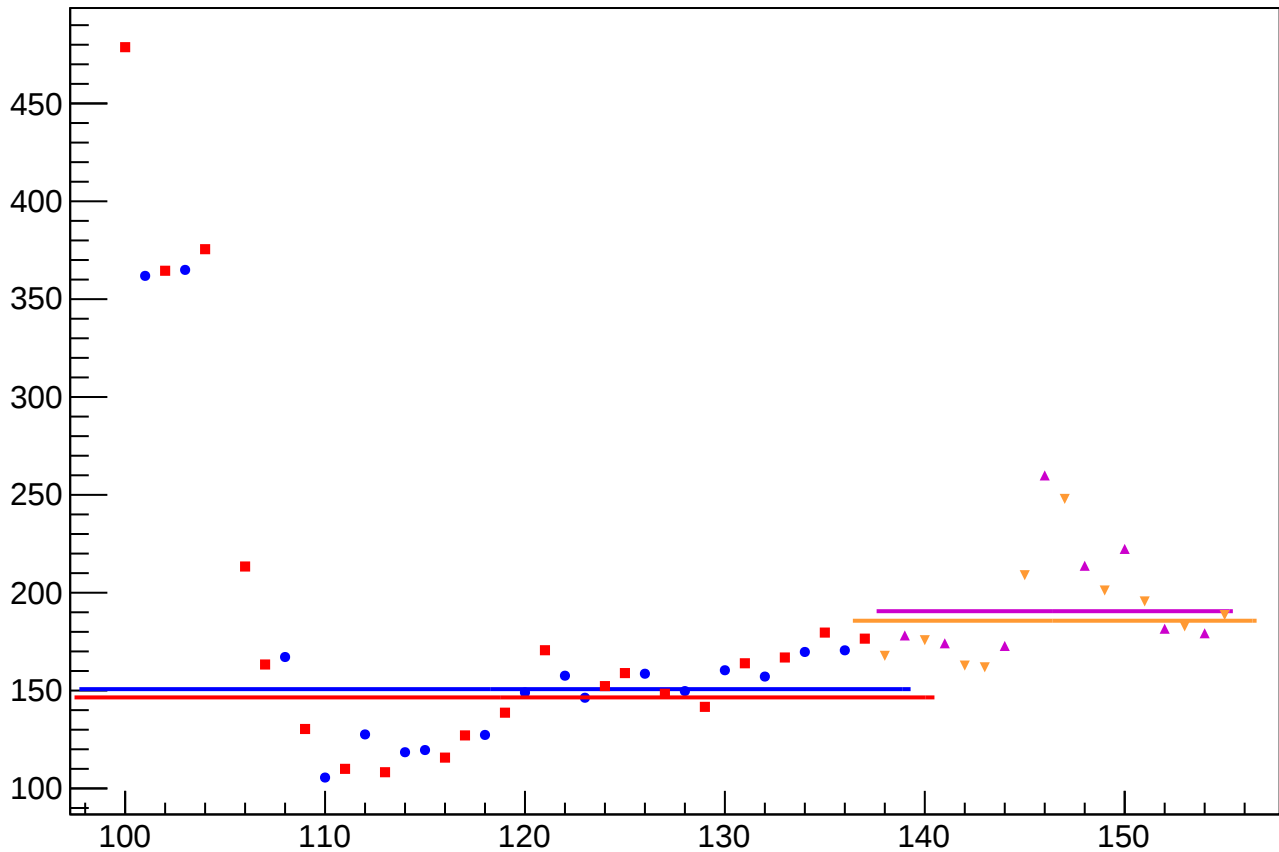
Left In: 138434.062 $\pm$ 0.076 χ^2 /NDF: 434715701.2/7

139251.038 $\pm$ 0.046 χ^2 /NDF: 2195930464.0/20

139224.991 $\pm$ 0.033 χ^2 /NDF: 432213239

139198.819 $\pm$ 0.047 χ^2 /NDF: 2125571386.6/27

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 150.733+/-0.044 χ^2/NDF : 1050071.6/16

Left Out: 185.688+/-0.050 χ^2/NDF : 193978.3/9

Right Out: 146.506+/-0.042 χ^2/NDF : 1205131.2/19

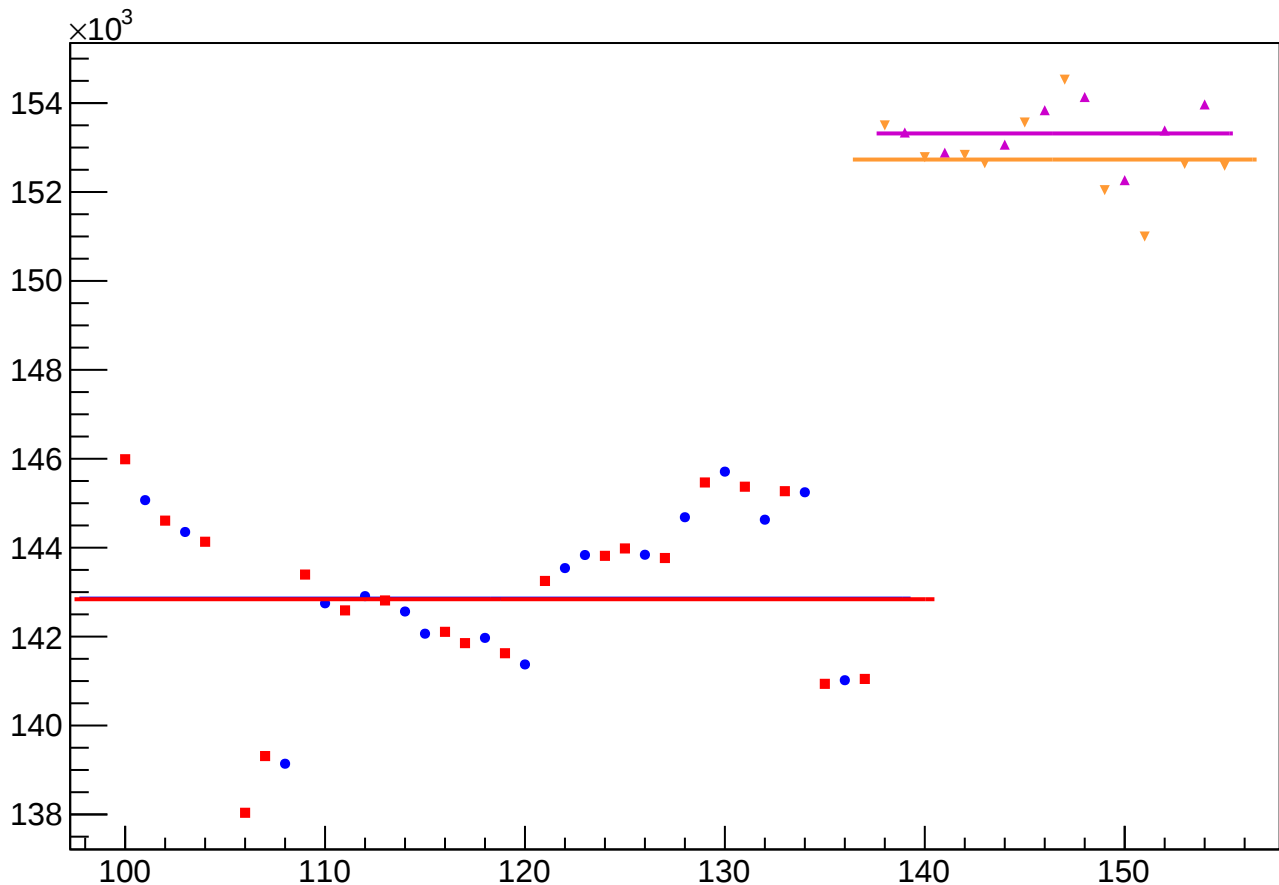
Left In: 190.558+/-0.054 χ^2/NDF : 210953.2/7

166.024+/-0.033 χ^2/NDF : 1522849.9/26

164.462+/-0.023 χ^2/NDF : 3361790.3/54

162.893+/-0.033 χ^2/NDF : 1834405.3/27

yield_bpm0i05WS_mean vs Slug, Sign Corrected



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

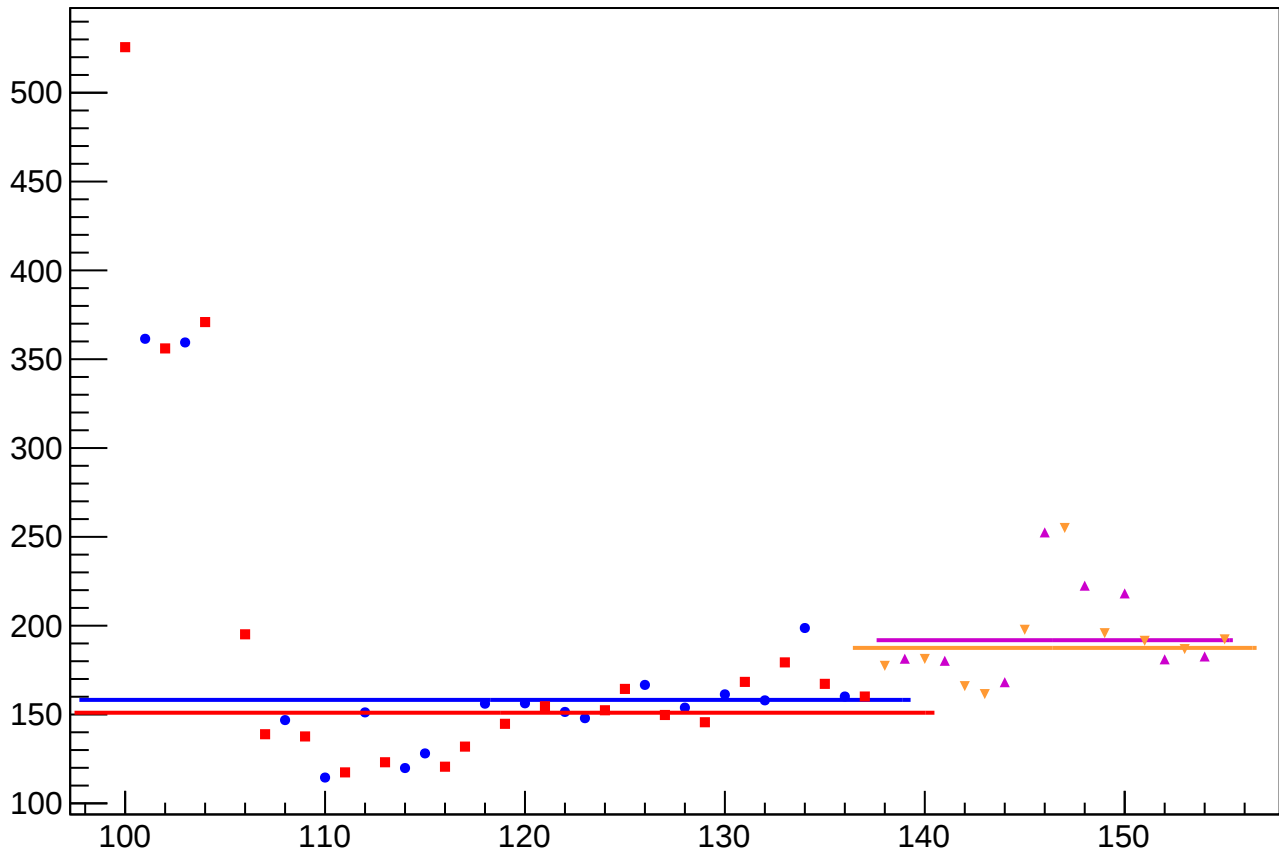
Left In: 153317.169 $\pm$ 0.077 χ^2 /NDF:50956788.7/7

147358.497 $\pm$ 0.048 χ^2 /NDF: 11517138479.3/2

147096.570 $\pm$ 0.034 χ^2 /NDF: 240679398

146839.112 $\pm$ 0.047 χ^2 /NDF: 12490983034.6/2

yield_bpm0i05WS_rms vs Slug, Sign Corrected



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

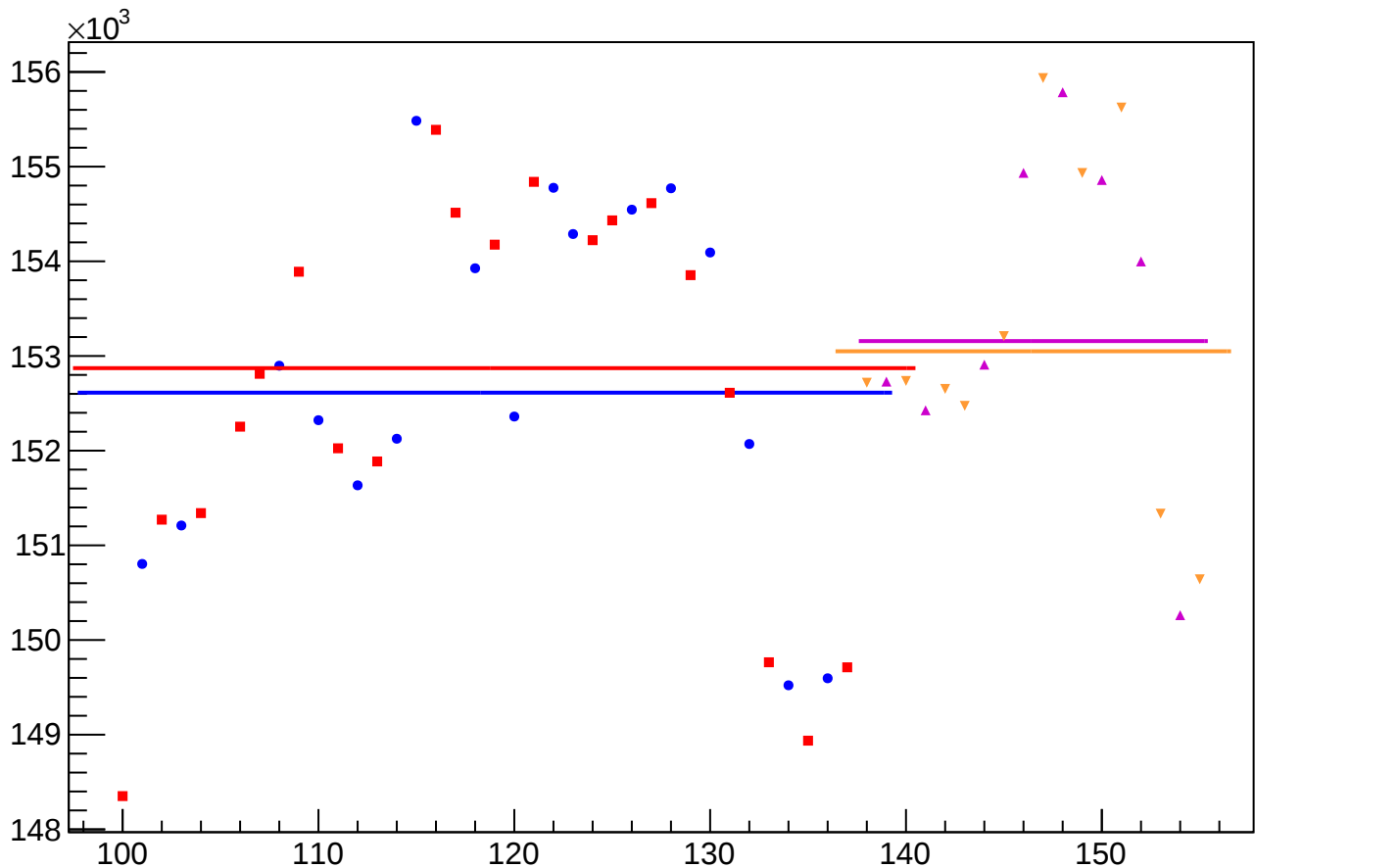
Left In: 191.837+/-0.054 χ^2/NDF : 199350.3/7

171.582+/-0.034 χ^2/NDF : 1241228.2/26

169.063+/-0.024 χ^2/NDF : 2808796.9/54

166.588+/-0.033 χ^2/NDF : 1556508.4/27

yield_bpm0i07WS_mean vs Slug, Sign Corrected



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

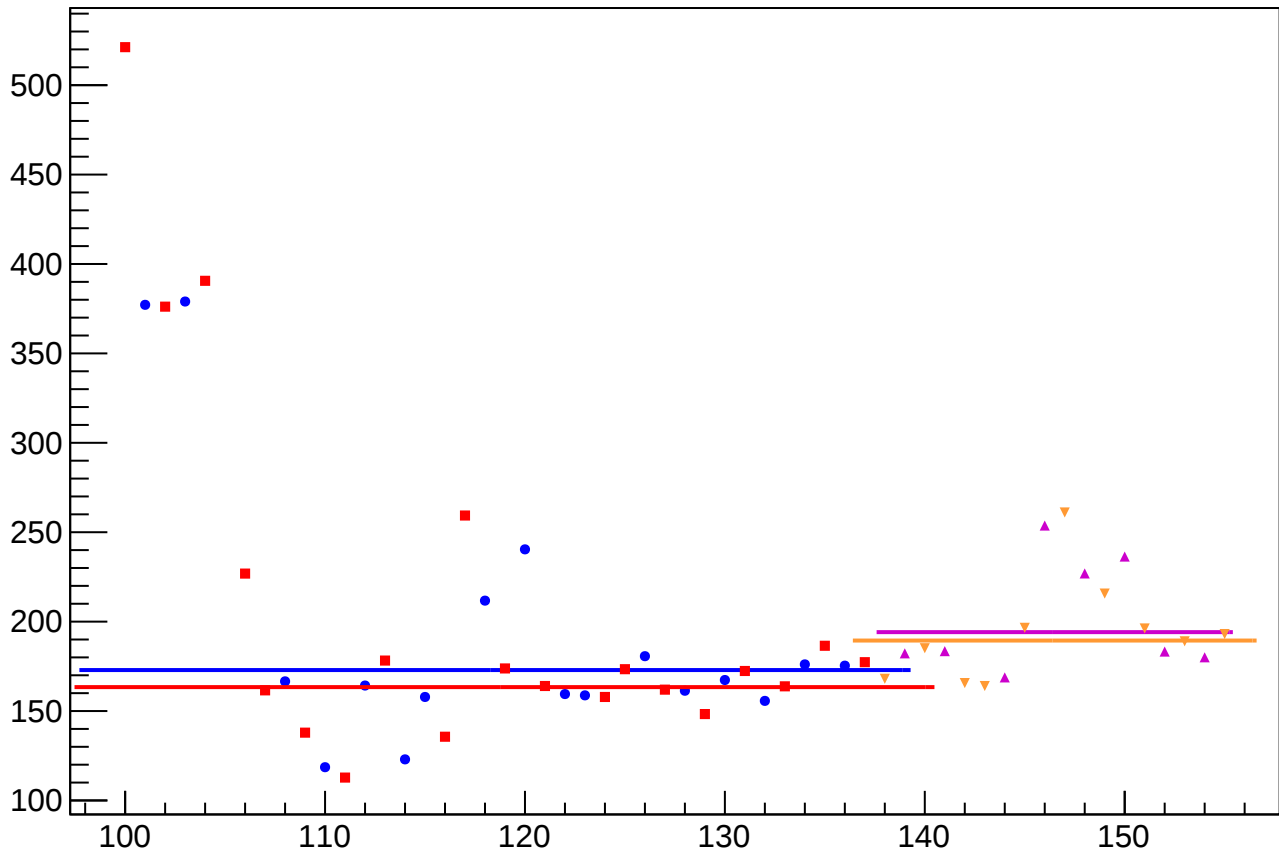
Left In: 153157.462 $\pm$ 0.077 χ^2 /NDF: 436956553.8/7

152834.351 $\pm$ 0.051 χ^2 /NDF: 1130039864.8/26

152913.901 $\pm$ 0.036 χ^2 /NDF: 230041355

152992.247 $\pm$ 0.050 χ^2 /NDF: 1165479978.6/27

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.921+/-0.051 χ^2/NDF : 941954.0/16

Left Out: 189.424+/-0.050 χ^2/NDF : 217365.5/9

Right Out: 163.382+/-0.047 χ^2/NDF : 1044431.2/19

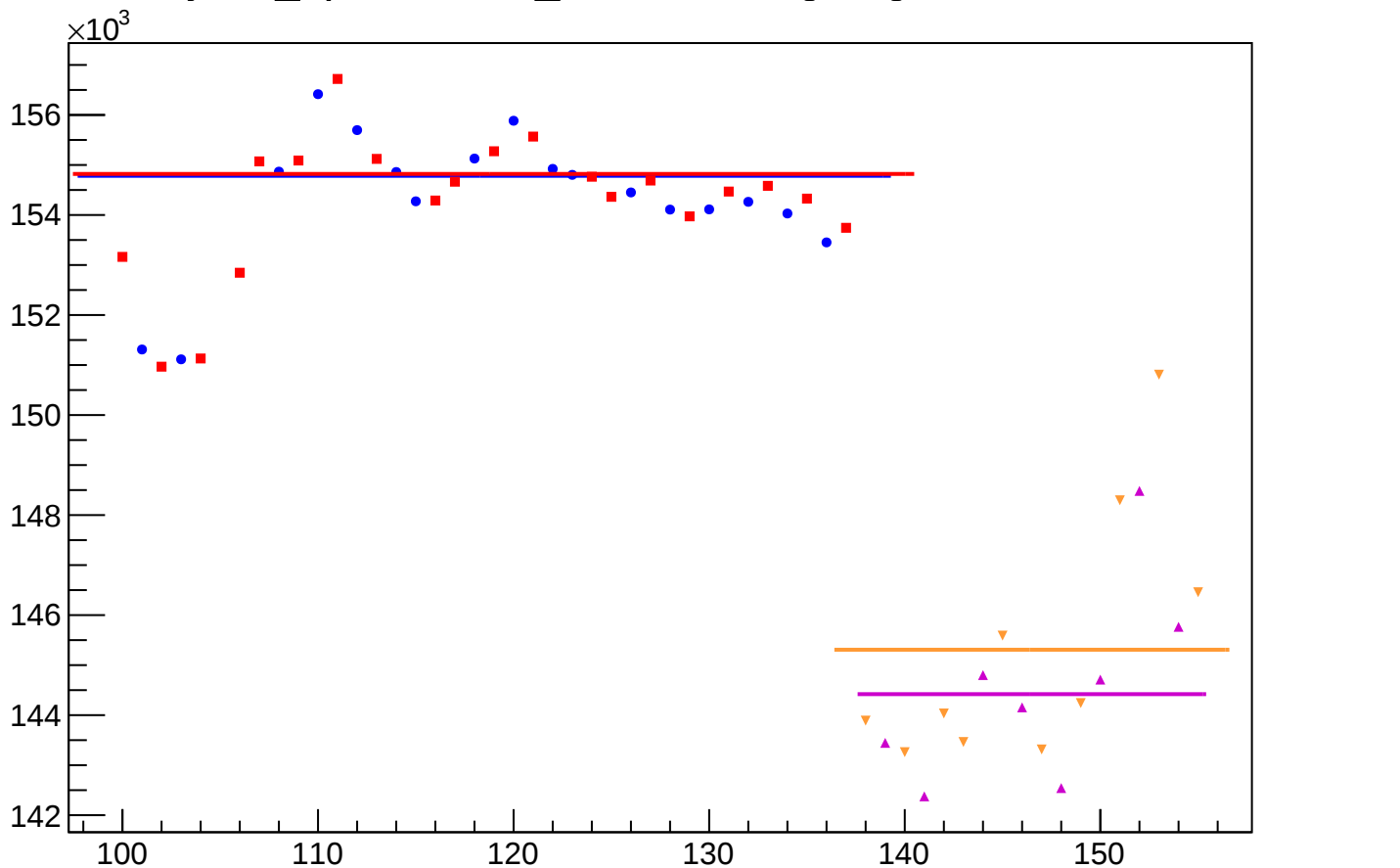
Left In: 194.126+/-0.055 χ^2/NDF : 239366.0/7

181.291+/-0.036 χ^2/NDF : 1212365.6/26

178.804+/-0.025 χ^2/NDF : 2688133.7/54

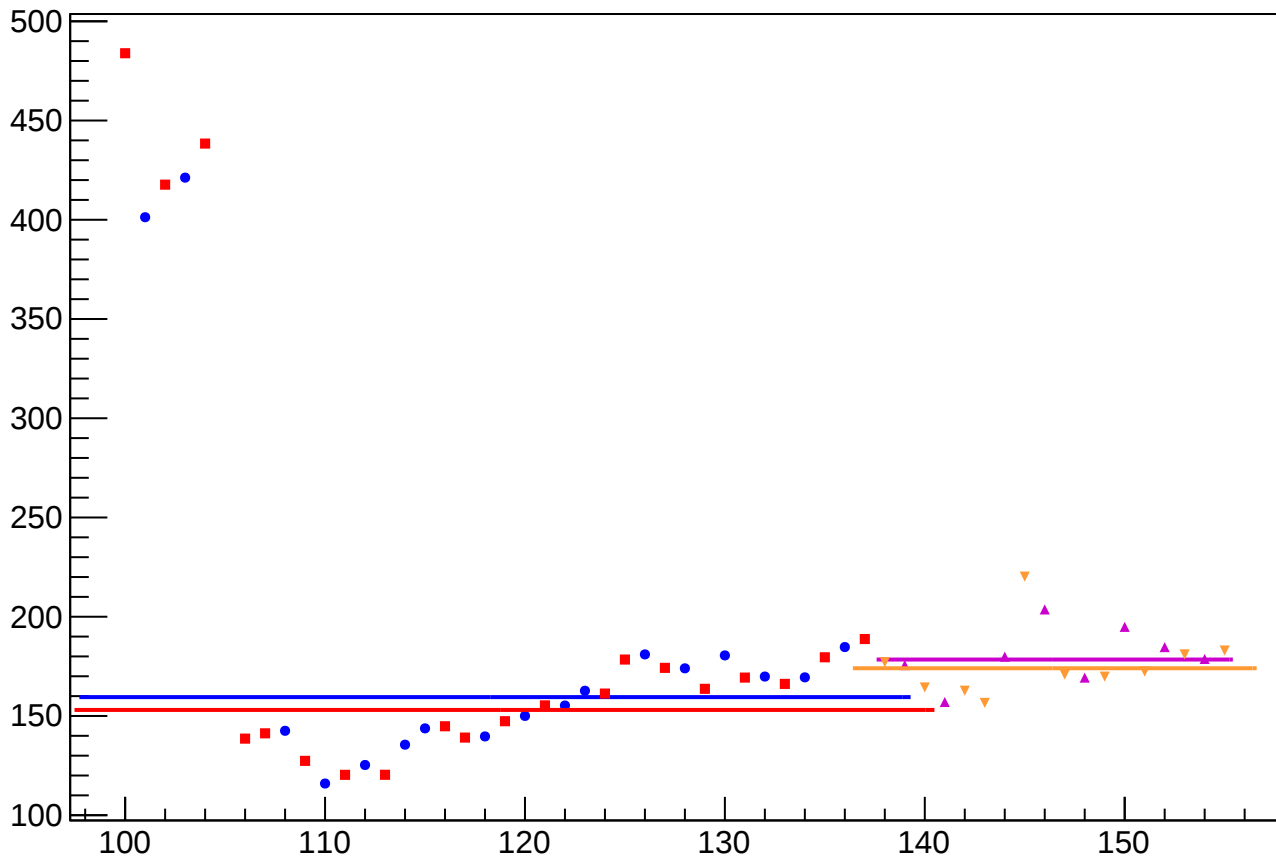
176.356+/-0.036 χ^2/NDF : 1466208.8/27

yield_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 154783.944 ± 0.065 $\chi^2/\text{NDF}: 265581398.0/16$
 Left Out: 145308.103 ± 0.065 $\chi^2/\text{NDF}: 1421573287.4/9$
 Right Out: 154820.824 ± 0.061 $\chi^2/\text{NDF}: 293904936.4/19$
 Left In: 144419.684 ± 0.070 $\chi^2/\text{NDF}: 710663539.7/7$

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 159.504 $\pm$ 0.046 χ^2/NDF : 1131844.5/16

Left Out: 174.040 $\pm$ 0.046 χ^2/NDF : 101047.3/9

Right Out: 153.038 $\pm$ 0.043 χ^2/NDF : 1174616.4/19

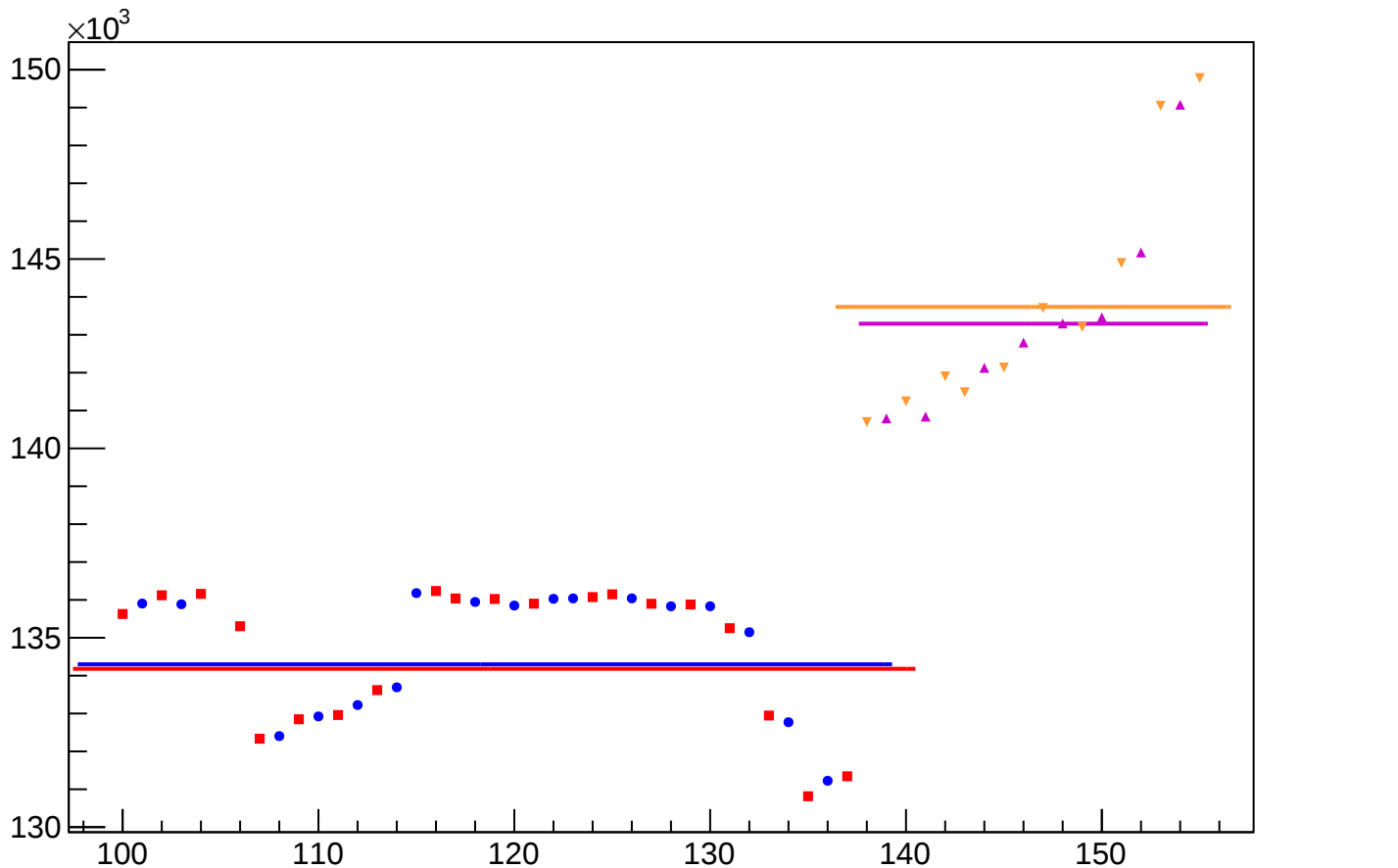
Left In: 178.428 $\pm$ 0.050 χ^2/NDF : 74408.6/7

166.824 $\pm$ 0.033 χ^2/NDF : 1282697.7/26

165.330 $\pm$ 0.023 χ^2/NDF : 2685148.0/54

163.842 $\pm$ 0.032 χ^2/NDF : 1398250.4/27

yield_bpm1i04WS_mean vs Slug, Sign Corrected



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

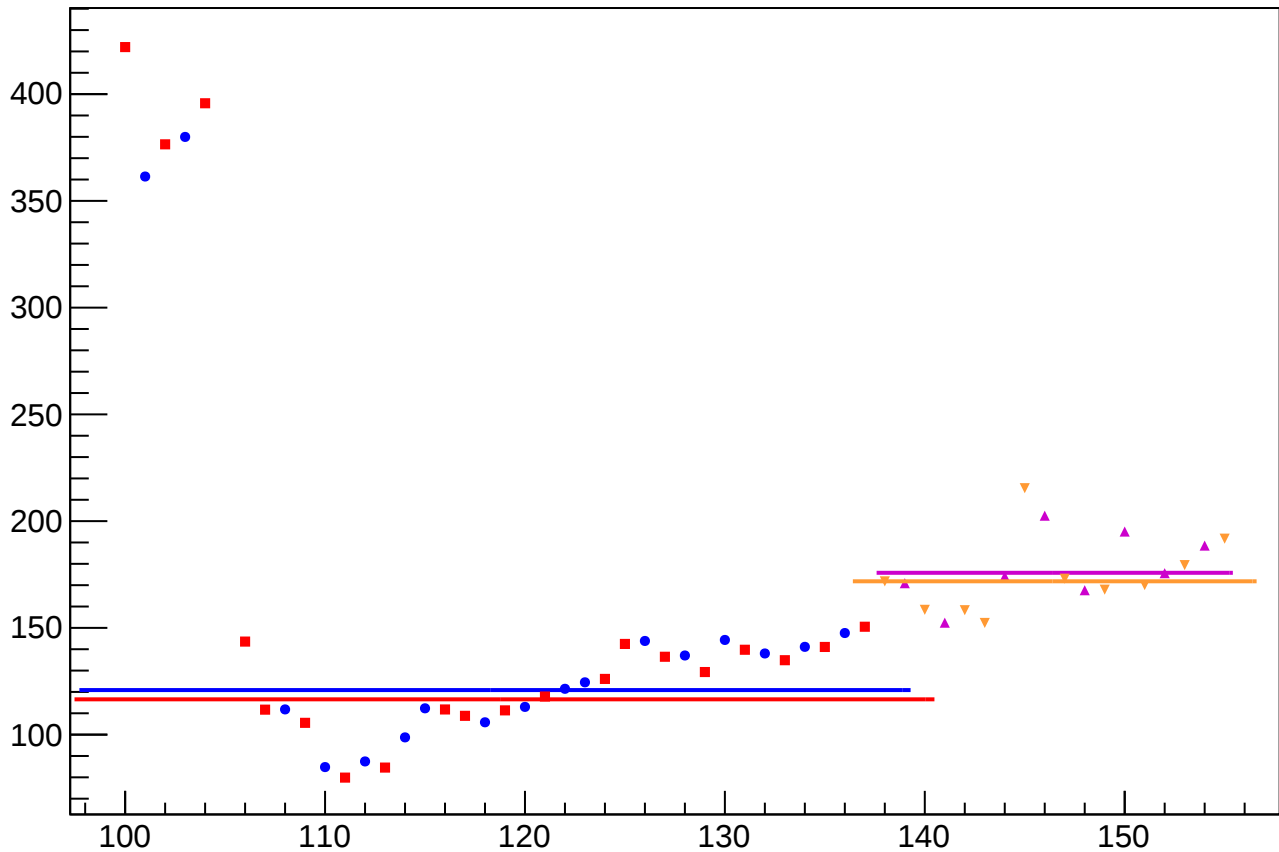
Left In: 143293.101 $\pm$ 0.070 χ^2 /NDF: 1275657091.1/7

137894.303 $\pm$ 0.040 χ^2 /NDF: 16677629112.0/2

137467.772 $\pm$ 0.028 χ^2 /NDF: 311539190

137053.034 $\pm$ 0.039 χ^2 /NDF: 14247589639.7/2

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 120.872 +/- 0.036 χ^2/NDF : 1463728.4/16

Left Out: 171.818 +/- 0.045 χ^2/NDF : 121467.5/9

Right Out: 116.531 +/- 0.033 χ^2/NDF : 1541779.4/19

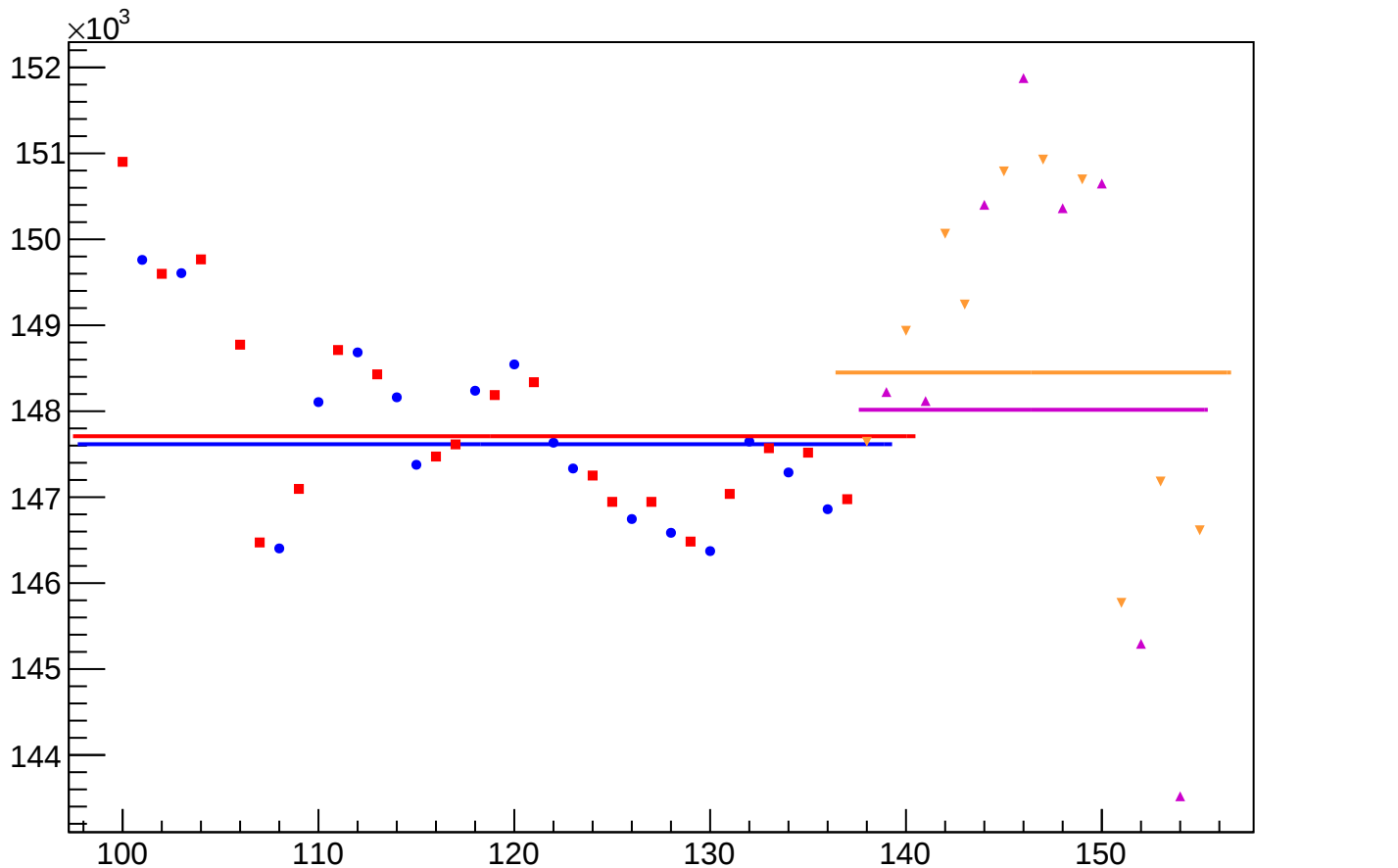
Left In: 175.800 +/- 0.049 χ^2/NDF : 95801.7/7

140.278 +/- 0.028 χ^2/NDF : 2365393.5/26

137.710 +/- 0.020 χ^2/NDF : 5013581.8/54

135.213 +/- 0.028 χ^2/NDF : 2631604.6/27

yield_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 147616.150 $\pm$ 0.062 χ^2 /NDF: 199263428.7/16

Left Out: 148450.313 $\pm$ 0.074 χ^2 /NDF: 563736060.0/9

Right Out: 147709.096 $\pm$ 0.058 χ^2 /NDF: 203924272.1/19

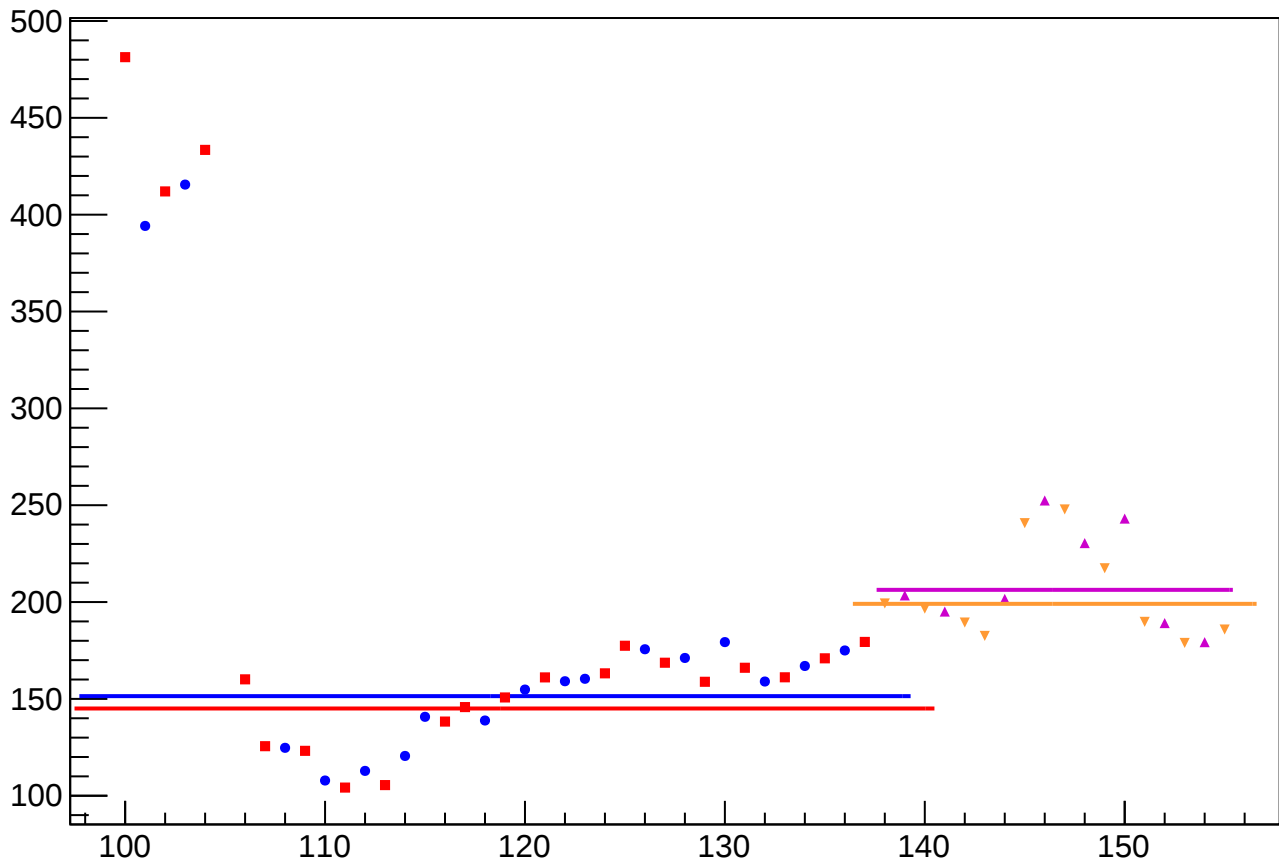
Left In: 148016.671 $\pm$ 0.082 χ^2 /NDF: 1174364870.0/7

147960.794 $\pm$ 0.048 χ^2 /NDF: 836635489.3/26

147885.809 $\pm$ 0.034 χ^2 /NDF: 222917836

147812.323 $\pm$ 0.047 χ^2 /NDF: 1387683688.0/27

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 151.424 $\pm$ 0.044 χ^2 /NDF: 1257843.0/16

Left Out: 199.075 $\pm$ 0.053 χ^2 /NDF: 162136.8/9

Right Out: 145.044 $\pm$ 0.041 χ^2 /NDF: 1375974.1/19

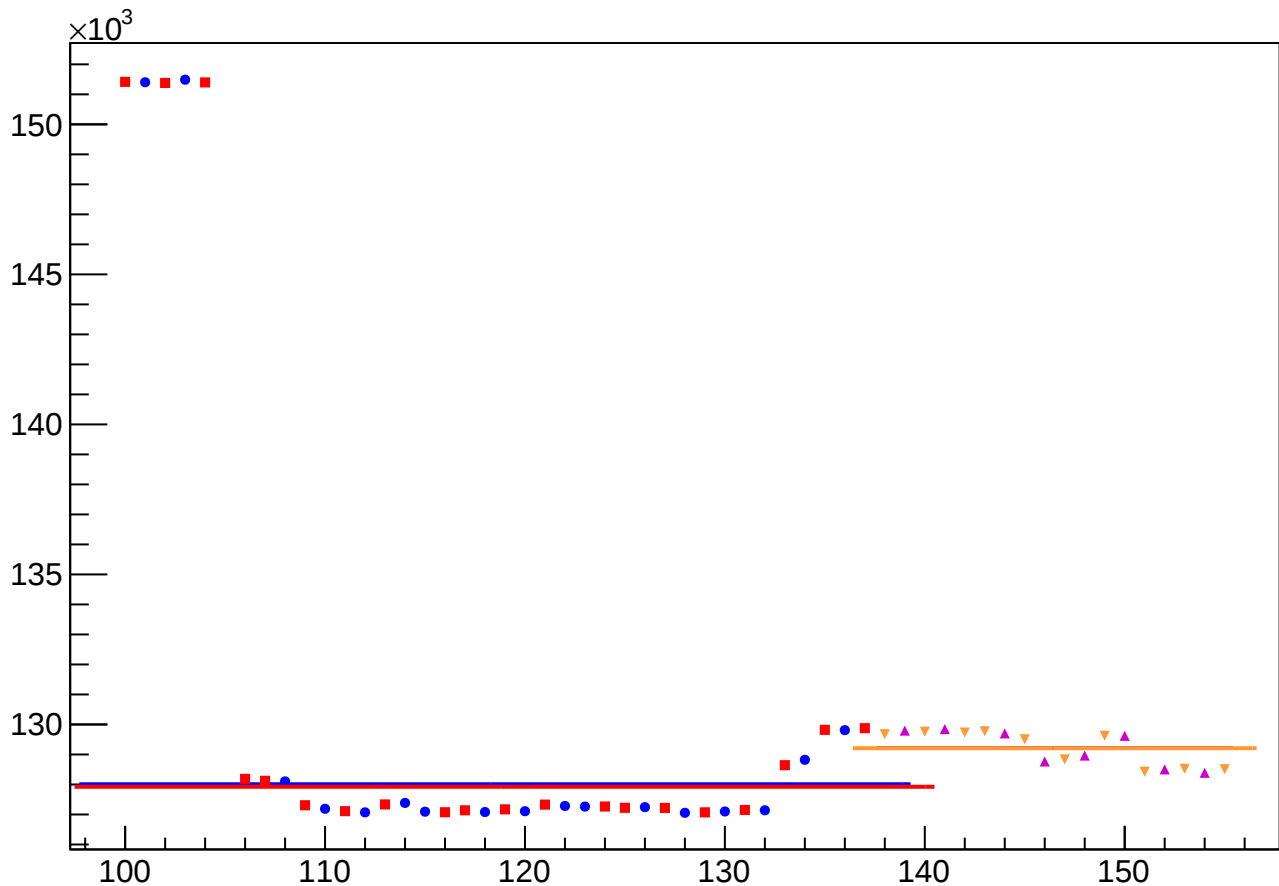
Left In: 206.305 $\pm$ 0.058 χ^2 /NDF: 167178.2/7

171.111 $\pm$ 0.034 χ^2 /NDF: 1900553.5/26

168.330 $\pm$ 0.024 χ^2 /NDF: 4202439.5/54

165.604 $\pm$ 0.034 χ^2 /NDF: 2288513.6/27

yield_bpm2i01WS_mean vs Slug, Sign Corrected



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

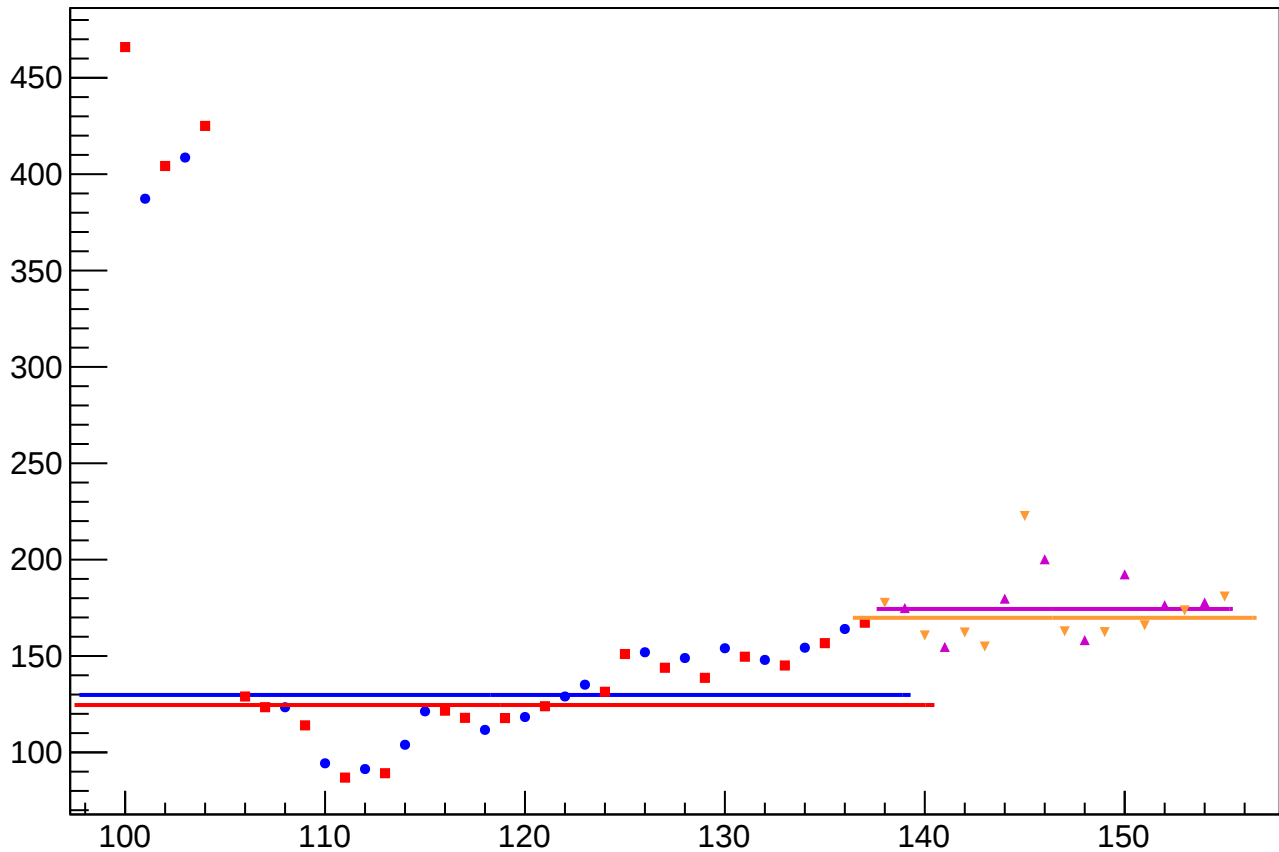
Left In: 129215.316 $\pm$ 0.069 χ^2 /NDF: 68572695.9/7

128514.442 $\pm$ 0.041 χ^2 /NDF: 4606950902.7/26

128441.887 $\pm$ 0.029 χ^2 /NDF: 868118387

128371.347 $\pm$ 0.041 χ^2 /NDF: 4068100067.2/27

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.796 +/- 0.038 χ^2/NDF : 1485294.2/16

Left Out: 169.827 +/- 0.045 χ^2/NDF : 121379.6/9

Right Out: 124.572 +/- 0.035 χ^2/NDF : 1532105.0/19

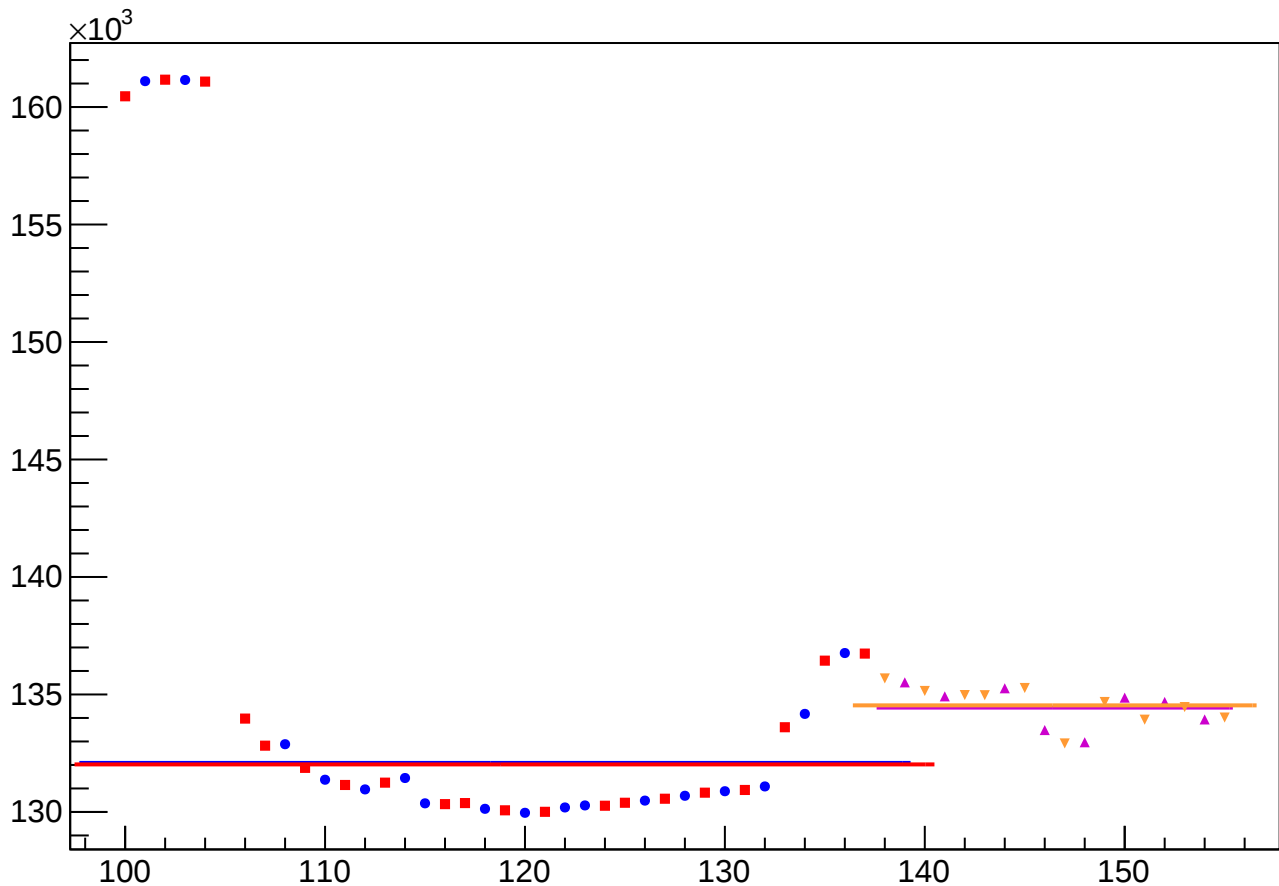
Left In: 174.409 +/- 0.049 χ^2/NDF : 87033.6/7

146.693 +/- 0.029 χ^2/NDF : 2068478.7/26

144.232 +/- 0.020 χ^2/NDF : 4385111.5/54

141.838 +/- 0.029 χ^2/NDF : 2302515.8/27

yield_bpm2i02WS_mean vs Slug, Sign Corrected



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

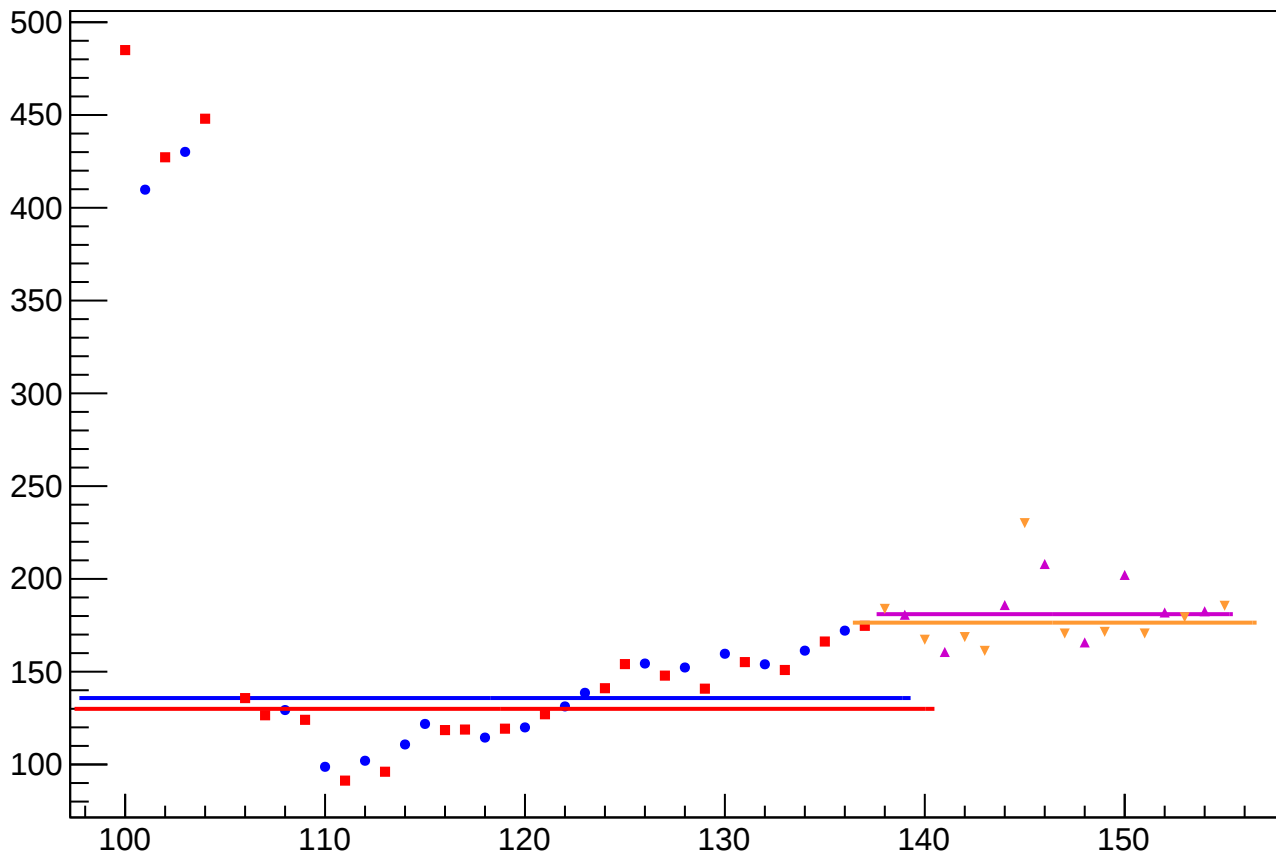
Left In: 134441.226 $\pm$ 0.072 χ^2 /NDF: 139415283.1/7

133127.480 $\pm$ 0.043 χ^2 /NDF: 7671672824.8/20

132994.726 $\pm$ 0.030 χ^2 /NDF: 144647233

132865.930 $\pm$ 0.042 χ^2 /NDF: 6774156040.9/27

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 135.796+/-0.040 χ^2/NDF : 1441904.9/16

Left Out: 176.428+/-0.047 χ^2/NDF : 112722.6/9

Right Out: 129.975+/-0.037 χ^2/NDF : 1504768.0/19

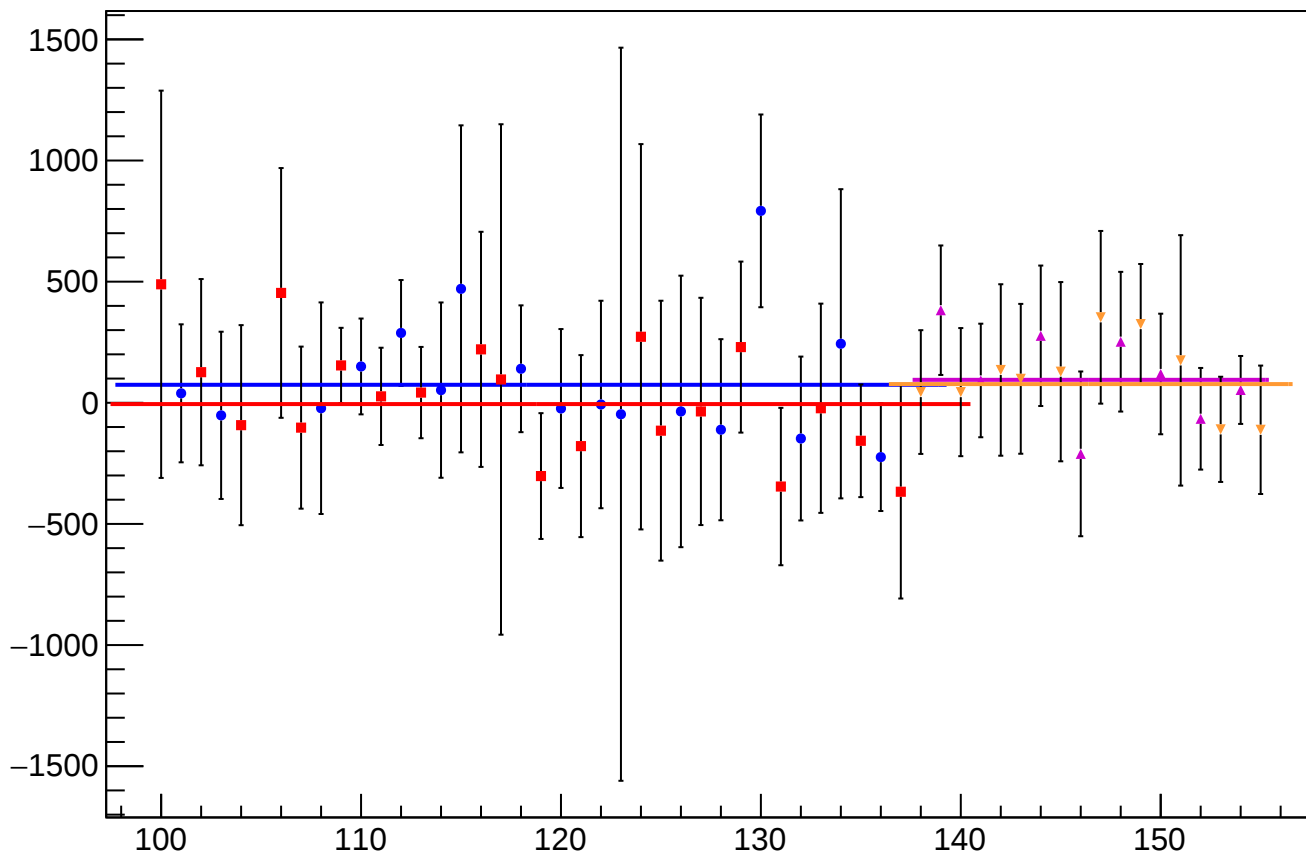
Left In: 181.002+/-0.051 χ^2/NDF : 86994.7/7

153.059+/-0.030 χ^2/NDF : 1993669.7/26

150.366+/-0.021 χ^2/NDF : 4264072.3/54

147.753+/-0.030 χ^2/NDF : 2254855.4/27

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 74.294 $\pm$ 79.018 χ^2 /NDF: 7.7/16

Left Out: 77.213 $\pm$ 91.781 χ^2 /NDF: 3.0/9

Right Out: -5.290 $\pm$ 69.914 χ^2 /NDF: 7.1/19

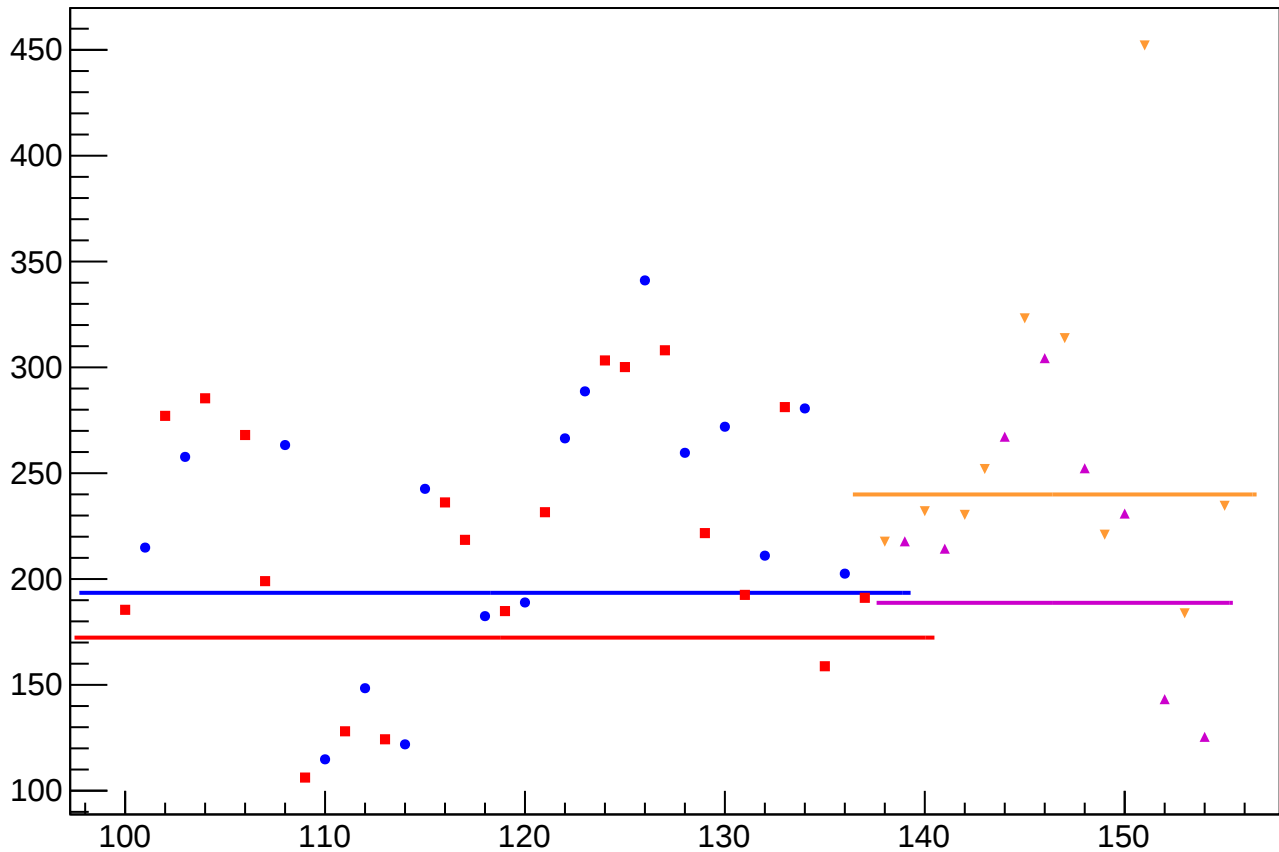
Left In: 94.815 $\pm$ 80.451 χ^2 /NDF: 3.3/7

75.536 $\pm$ 59.883 χ^2 /NDF: 10.6/26

54.286 $\pm$ 39.592 χ^2 /NDF: 22.2/54

37.782 $\pm$ 52.772 χ^2 /NDF: 11.3/27

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.488 $\pm$ 0.056 χ^2/NDF : 1017195.7/16

Left Out: 239.959 $\pm$ 0.065 χ^2/NDF : 691886.2/9

Right Out: 172.327 $\pm$ 0.049 χ^2/NDF : 1583701.4/19

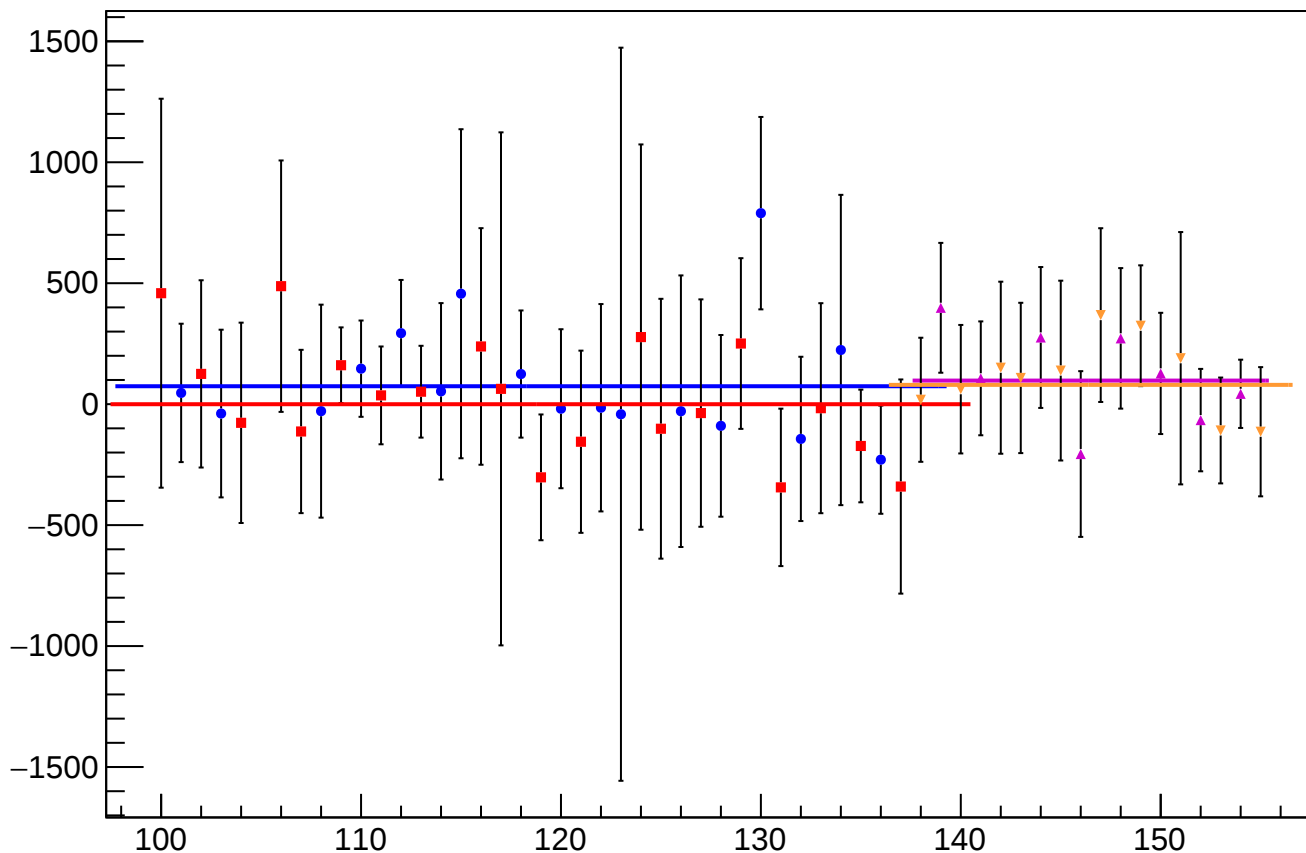
Left In: 188.763 $\pm$ 0.057 χ^2/NDF : 1081631.9/7

213.270 $\pm$ 0.042 χ^2/NDF : 2003541.4/26

194.205 $\pm$ 0.028 χ^2/NDF : 5076597.4/54

179.399 $\pm$ 0.037 χ^2/NDF : 2712895.0/27

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 74.098 $\pm$ 79.404 χ^2/NDF : 7.6/16

Left Out: 79.749 $\pm$ 92.344 χ^2/NDF : 3.1/9

Right Out: -0.223 $\pm$ 70.282 χ^2/NDF : 7.3/19

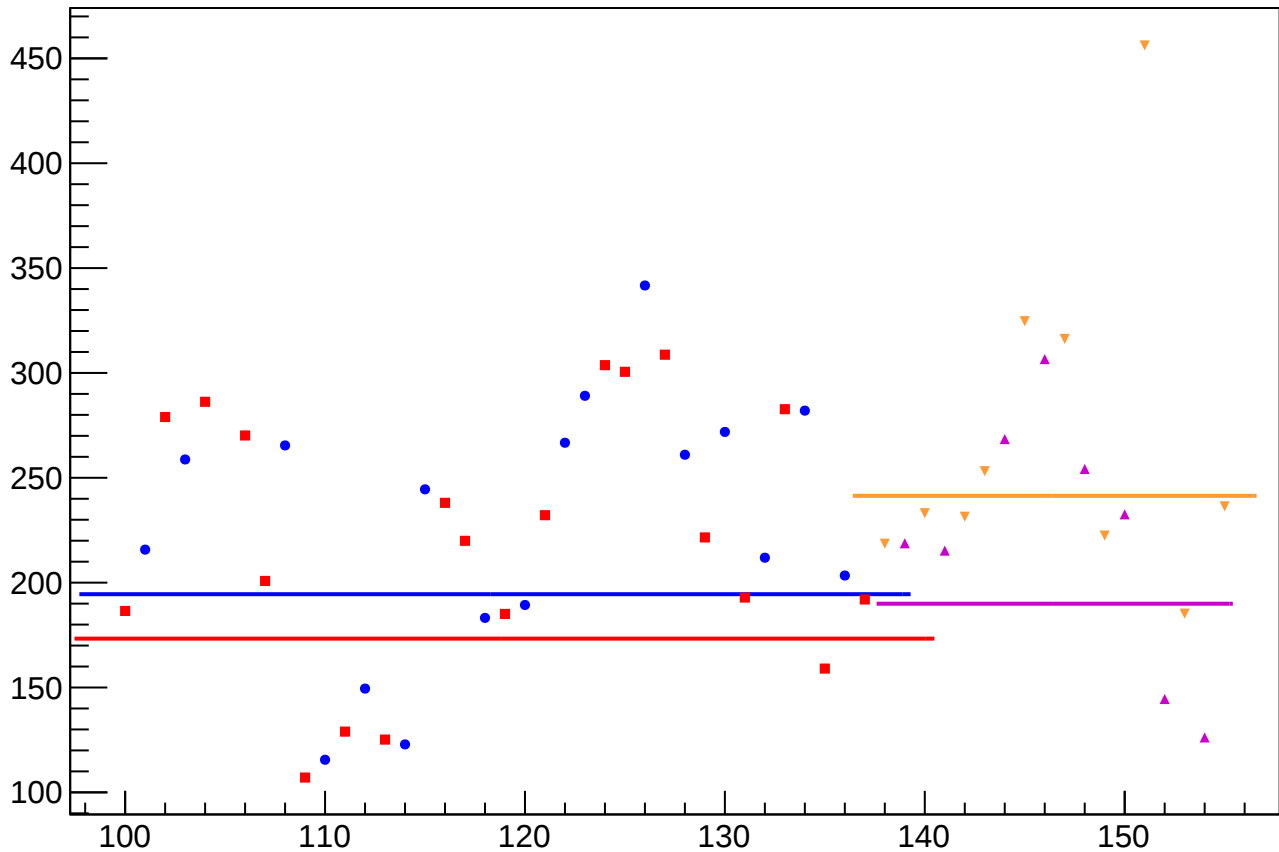
Left In: 97.502 $\pm$ 80.957 χ^2/NDF : 3.5/7

76.500 $\pm$ 60.207 χ^2/NDF : 10.6/26

56.960 $\pm$ 39.813 χ^2/NDF : 22.5/54

41.776 $\pm$ 53.073 χ^2/NDF : 11.7/27

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



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

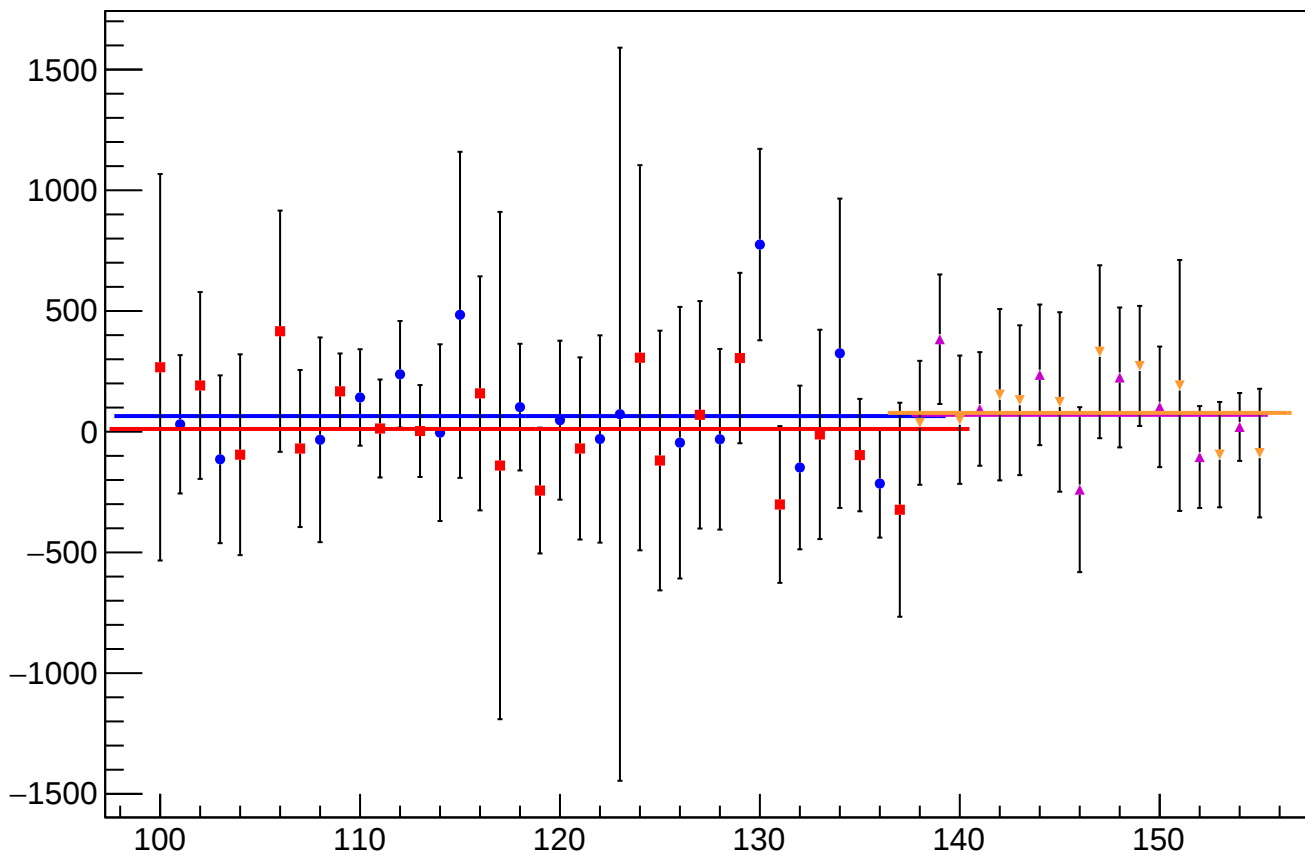
Left In: 189.955 +/- 0.057 χ^2/NDF : 1079980.2/7

214.441 +/- 0.043 χ^2/NDF : 1998181.9/26

195.323 +/- 0.028 χ^2/NDF : 5055953.6/54

180.467 +/- 0.038 χ^2/NDF : 2699409.2/27

asym_bcm_an_us_mean vs Slug, Sign Corrected



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

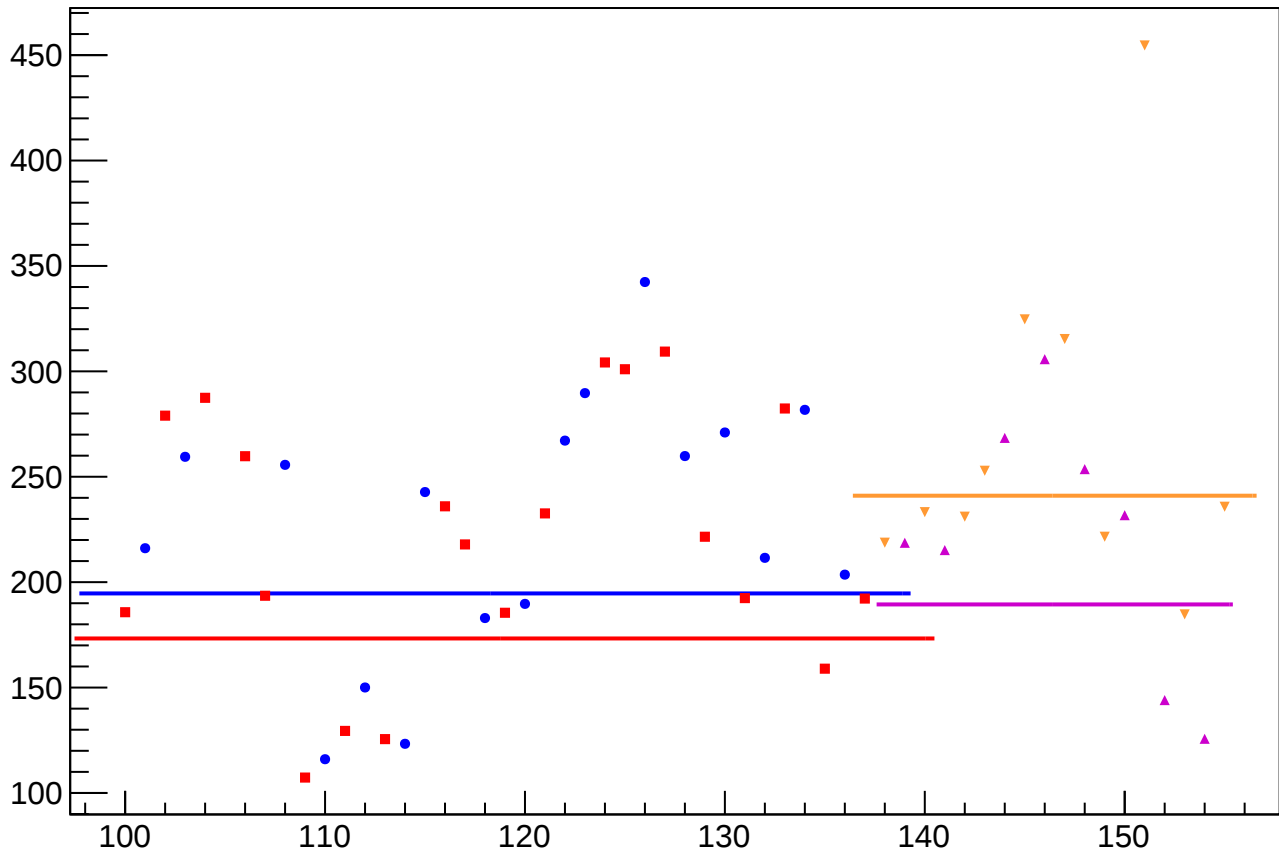
Left In: 69.914+/-80.756 χ^2/NDF : 3.6/7

70.405+/-60.161 χ^2/NDF : 9.3/26

51.363+/-39.761 χ^2/NDF : 19.3/54

36.595+/-52.982 χ^2/NDF : 9.8/27

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.652 $\pm$ 0.056 χ^2 /NDF: 986798.9/16

Left Out: 241.011 $\pm$ 0.065 χ^2 /NDF: 692685.4/9

Right Out: 173.289 $\pm$ 0.050 χ^2 /NDF: 1548162.6/19

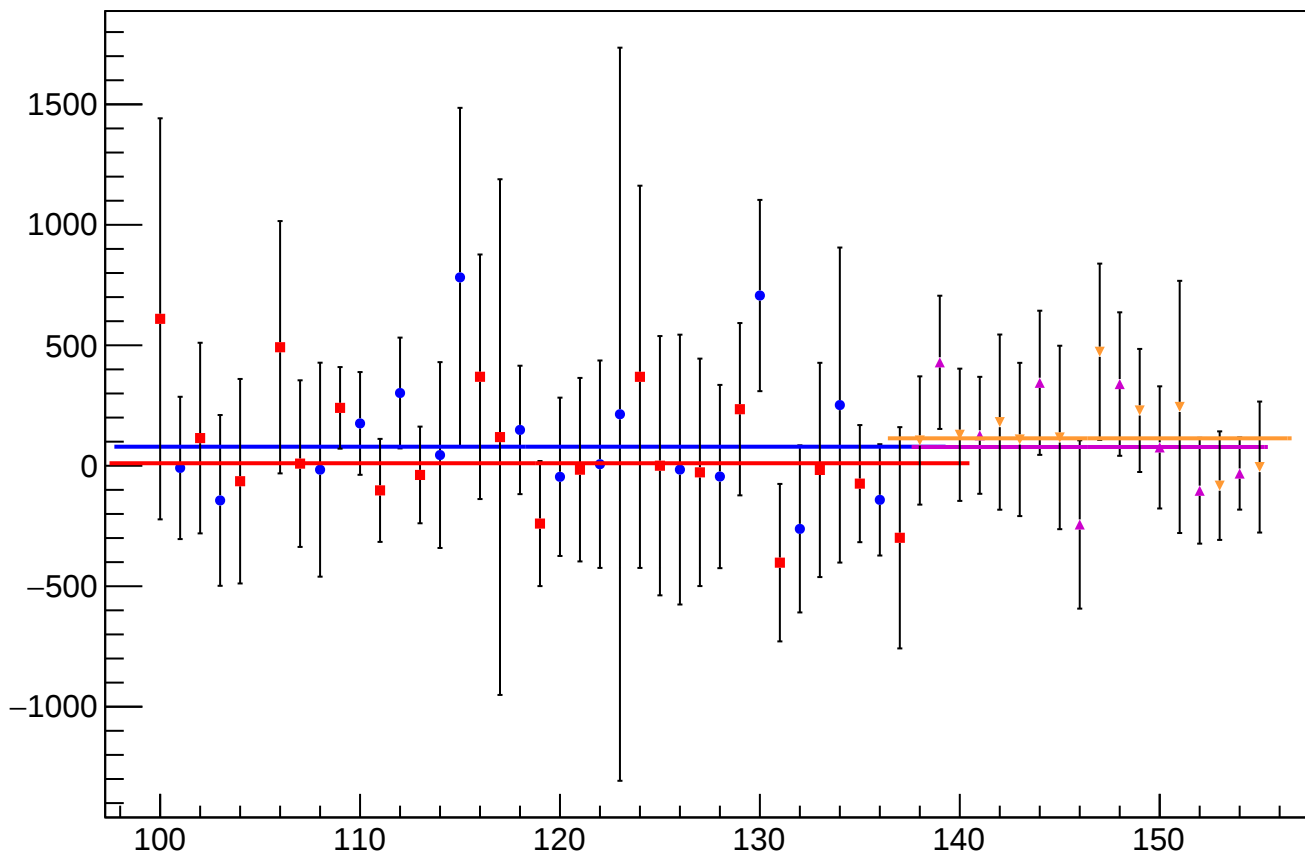
Left In: 189.434 $\pm$ 0.057 χ^2 /NDF: 1086175.8/7

214.395 $\pm$ 0.043 χ^2 /NDF: 1969863.4/26

195.158 $\pm$ 0.028 χ^2 /NDF: 5012826.7/54

180.238 $\pm$ 0.037 χ^2 /NDF: 2679867.7/27

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 79.128+/-81.874 χ^2/NDF : 7.5/16

Left Out: 113.922 ± 94.727 $\chi^2/\text{NDF}: 2.2/9$

Right Out: 10.491 ± 73.139 χ^2/NDF : 7.9/19

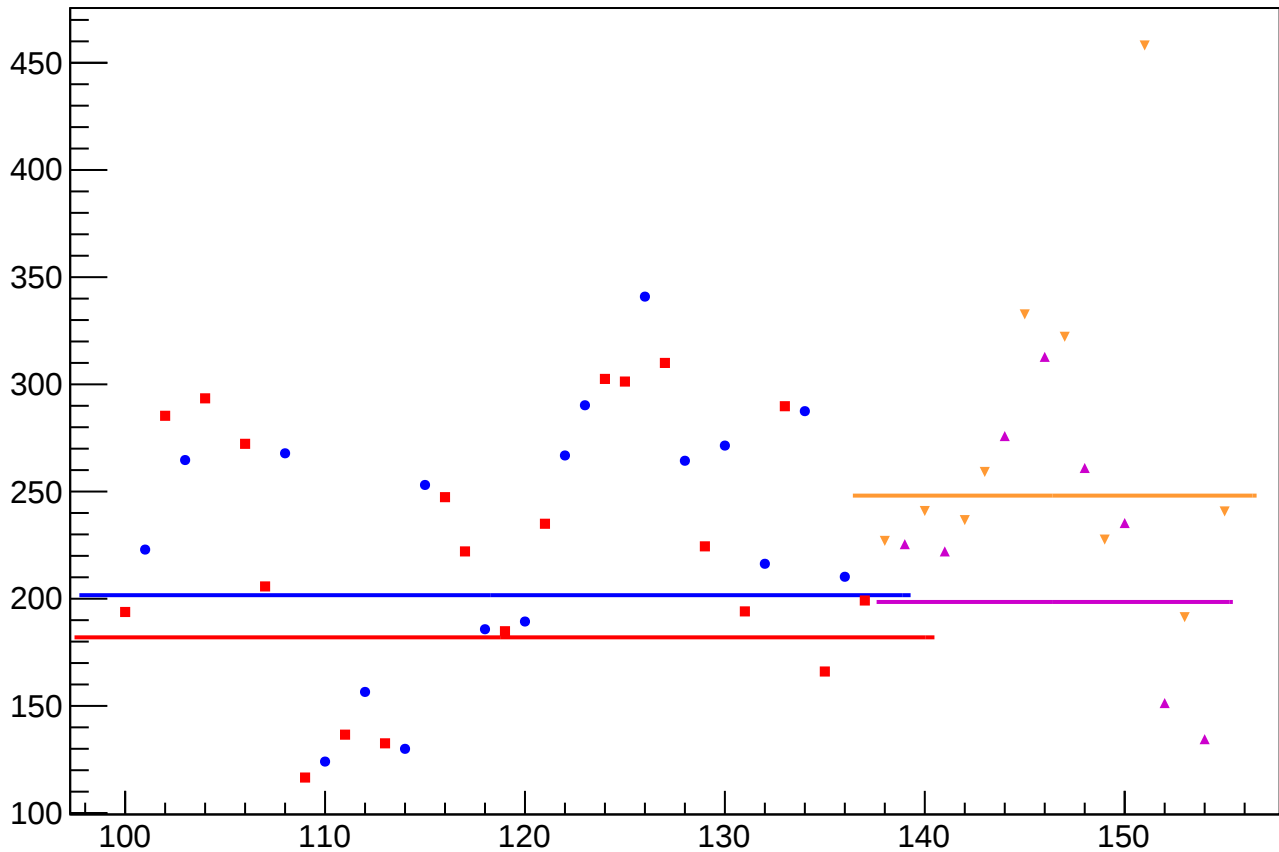
Left In: 77.912+/-84.036 χ^2/NDF :5.3/7

94.006+/-61.944 χ^2/NDF : 9.8/26

63.639+/-41.199 χ^2/NDF : 23.8/54

39.549+/-55.170 χ^2/NDF : 13.5/27

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 201.654+/-0.058 χ^2/NDF : 883179.7/16

Left Out: 248.104+/-0.067 χ^2/NDF : 662180.0/9

Right Out: 181.986+/-0.052 χ^2/NDF : 1380269.0/19

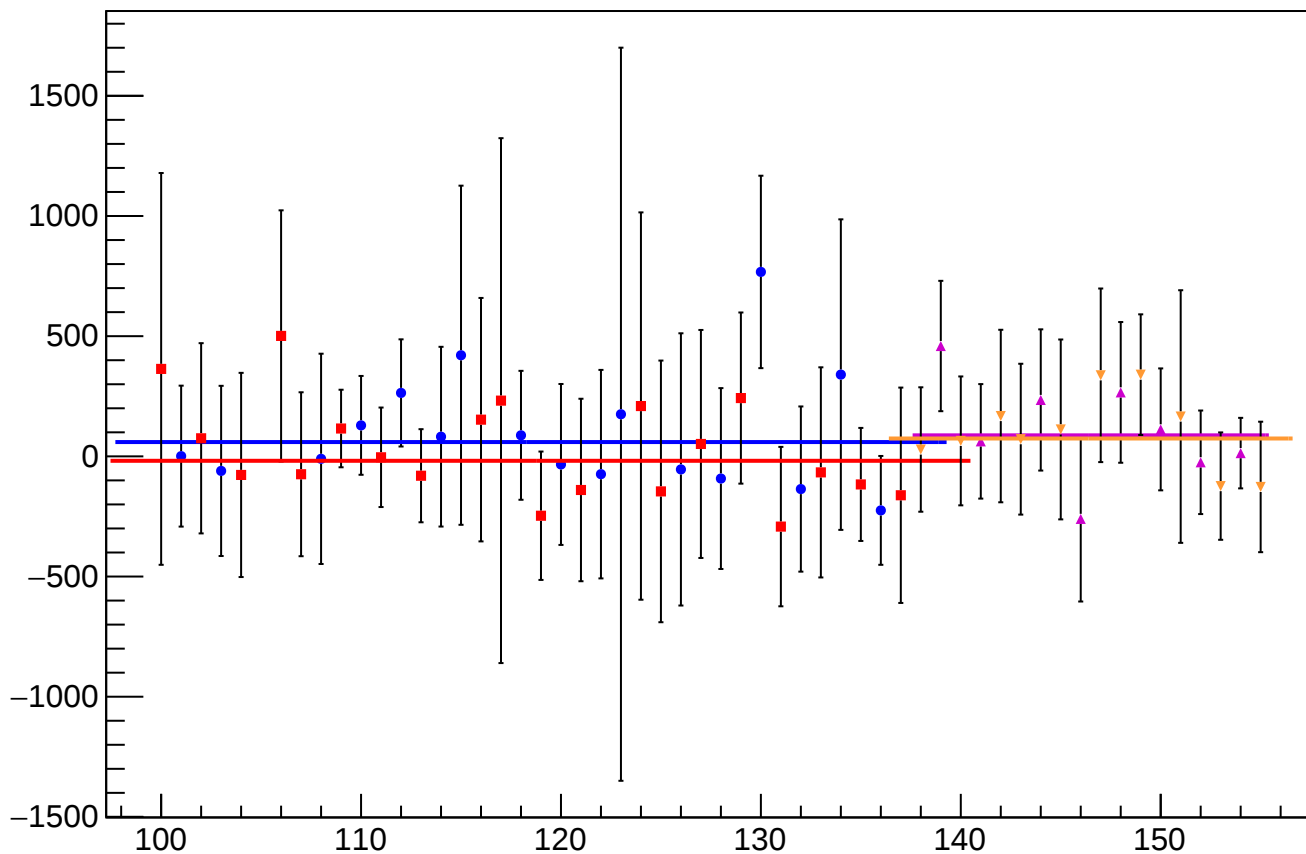
Left In: 198.492+/-0.059 χ^2/NDF : 973970.1/7

221.516+/-0.044 χ^2/NDF : 1820614.1/26

203.439+/-0.029 χ^2/NDF : 4524196.6/54

189.100+/-0.039 χ^2/NDF : 2398144.7/27

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



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

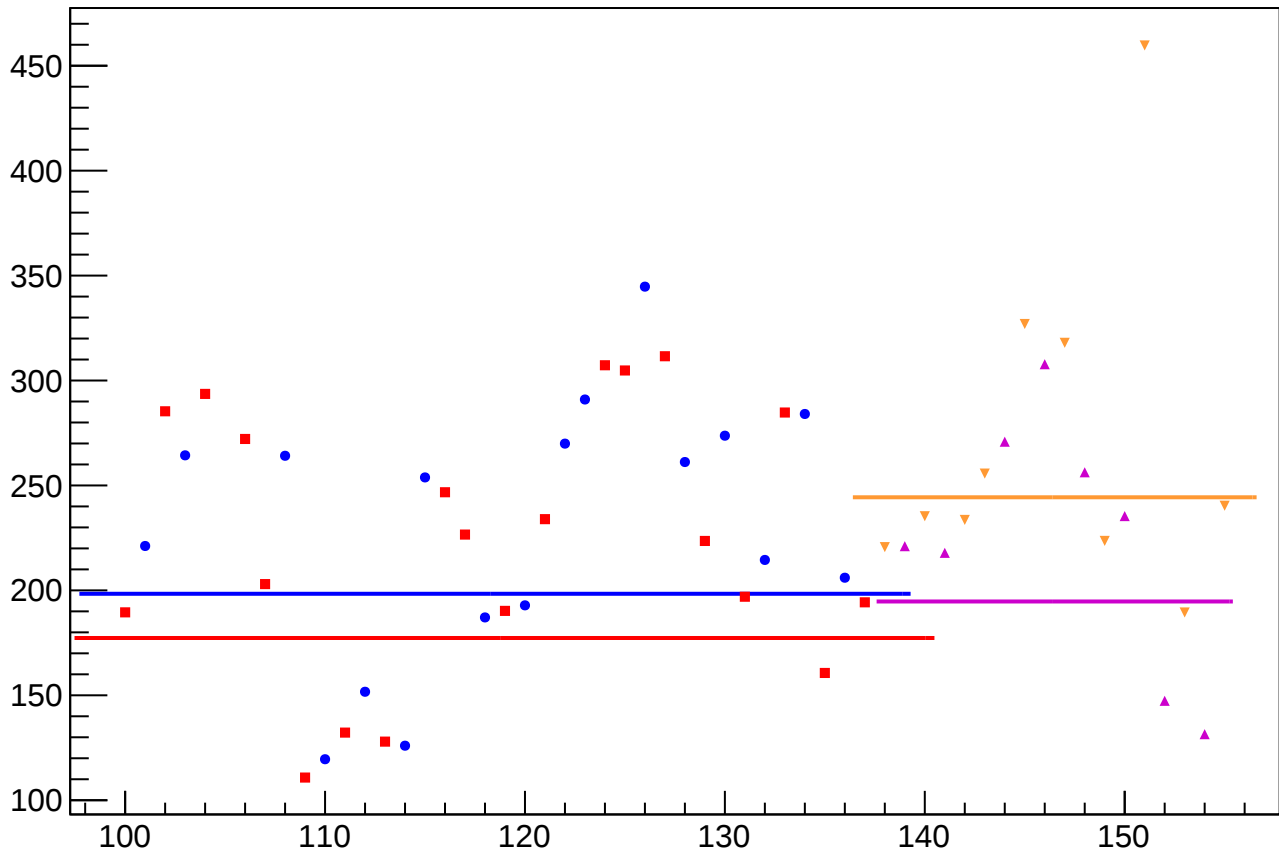
Left In: 87.415+/-82.619 χ^2/NDF : 4.1/7

65.839+/-61.105 χ^2/NDF : 10.2/26

44.105+/-40.529 χ^2/NDF : 20.2/54

27.033+/-54.156 χ^2/NDF : 9.8/27

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



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

Right Out: 177.309 $\pm$ 0.051 χ^2 /NDF: 1528855.2/19

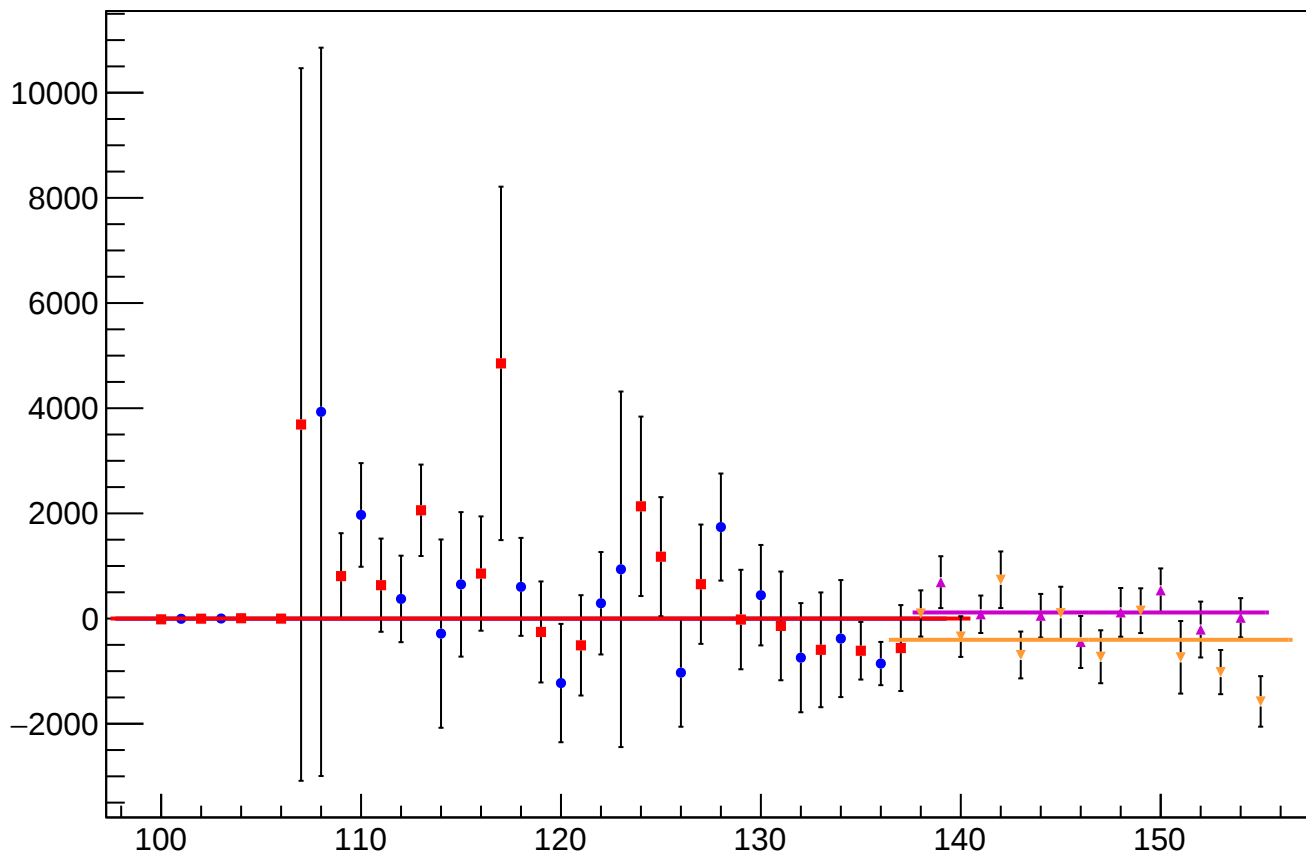
Left In: 194.708 $\pm$ 0.058 χ^2 /NDF: 996474.3/7

218.067 $\pm$ 0.043 χ^2 /NDF: 1915615.2/26

199.427 $\pm$ 0.029 χ^2 /NDF: 4823829.8/54

184.785 $\pm$ 0.038 χ^2 /NDF: 2575914.1/27

asym_cav4bQ_mean vs Slug, Sign Corrected



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

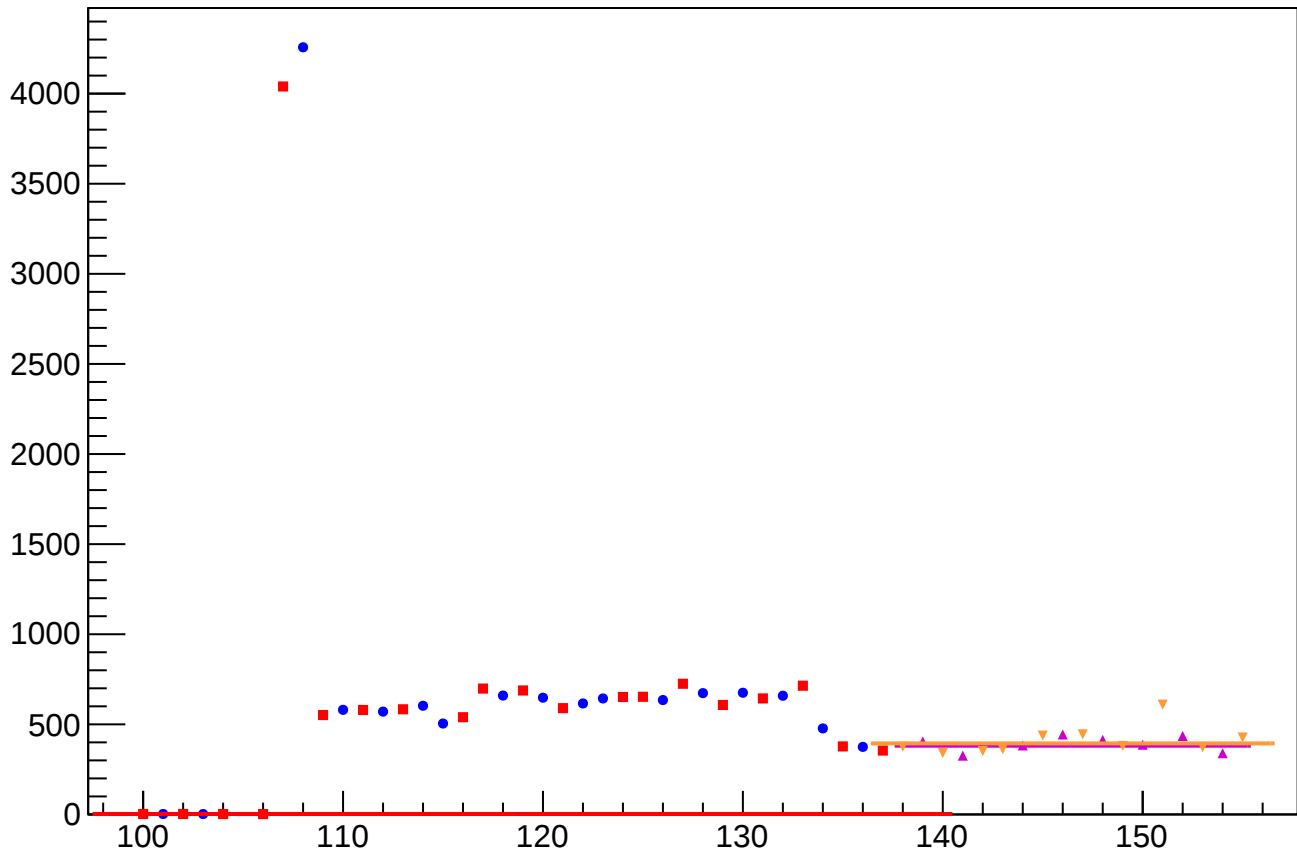
Left In: 115.902 ± 152.452 χ^2/NDF : 4.1/7

-1.623 ± 2.251 χ^2/NDF : 42.0/26

-0.360 ± 1.540 χ^2/NDF : 68.7/54

0.751 ± 2.111 χ^2/NDF : 26.1/27

asym_cav4bQ_rms vs Slug, Sign Corrected



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

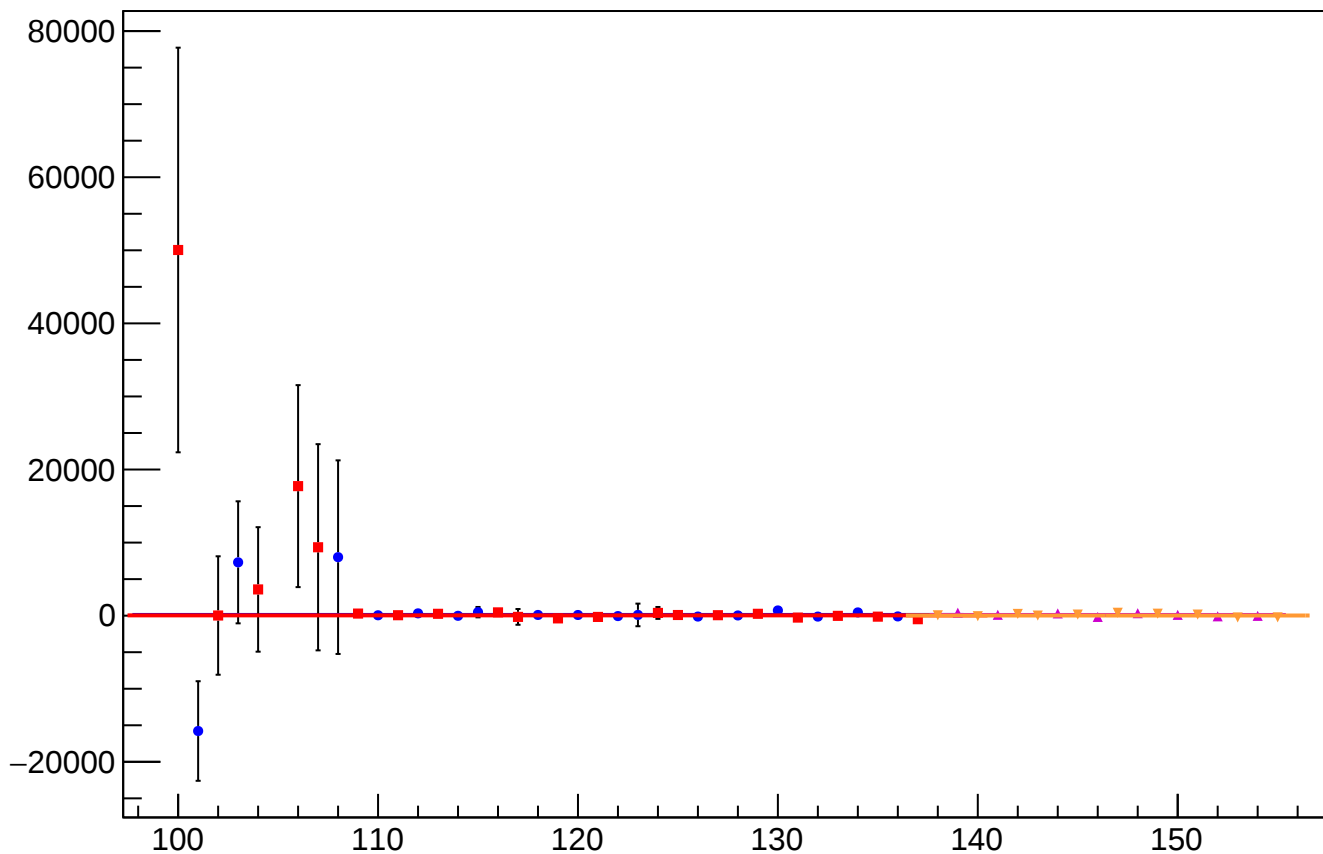
Left In: 381.580+/-0.108 χ^2/NDF : 140326.9/7

2.548+/-0.002 χ^2/NDF : 25243355.7/26

2.527+/-0.001 χ^2/NDF : 48984902.5/54

2.510+/-0.001 χ^2/NDF : 23741242.7/27

asym_cav4cQ_mean vs Slug, Sign Corrected



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

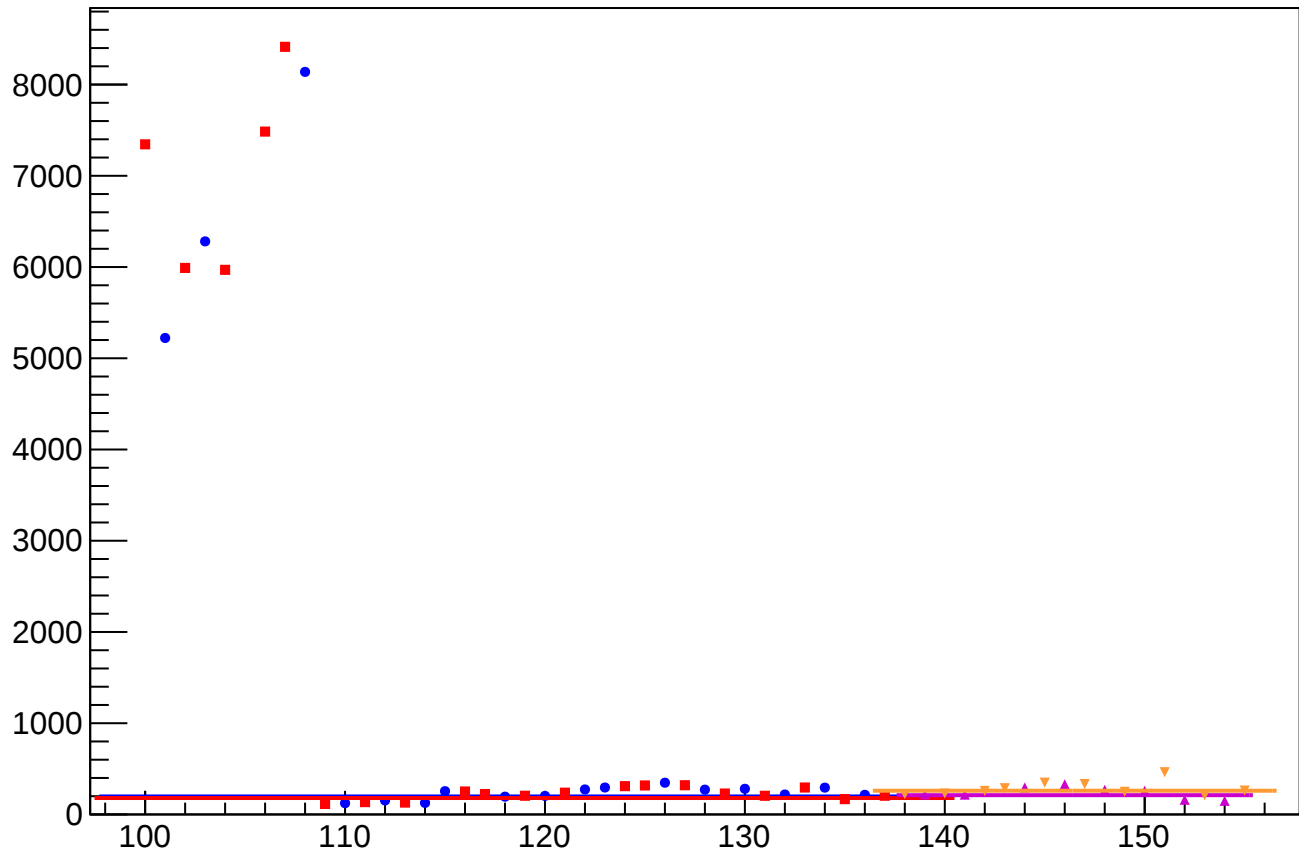
Left In: 94.463+/-88.797 χ^2/NDF : 4.1/7

63.803+/-67.007 χ^2/NDF : 16.5/26

65.186+/-45.154 χ^2/NDF : 34.7/54

66.336+/-61.113 χ^2/NDF : 18.2/27

asym_cav4cQ_rms vs Slug, Sign Corrected



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

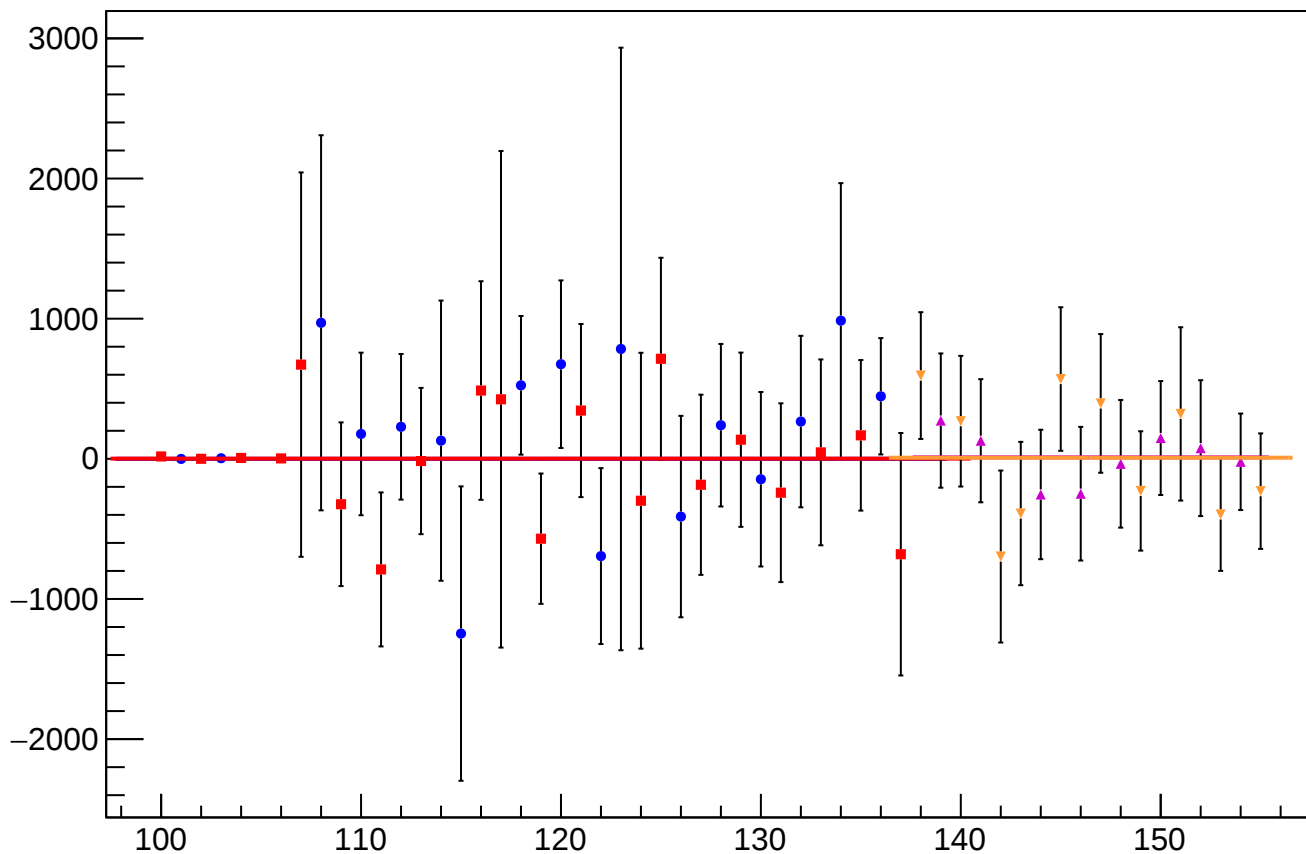
Left In: 211.197+/-0.063 χ^2/NDF : 848317.0/7

225.870+/-0.047 χ^2/NDF : 4776461.4/26

208.958+/-0.032 χ^2/NDF : 10310729.4/54

194.891+/-0.043 χ^2/NDF : 5300903.0/27

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.138 ± 1.737 χ^2/NDF : 9.7/16

Left Out: 7.837 ± 150.667 χ^2/NDF : 7.6/9

Right Out: 1.324 ± 1.623 χ^2/NDF : 9.7/19

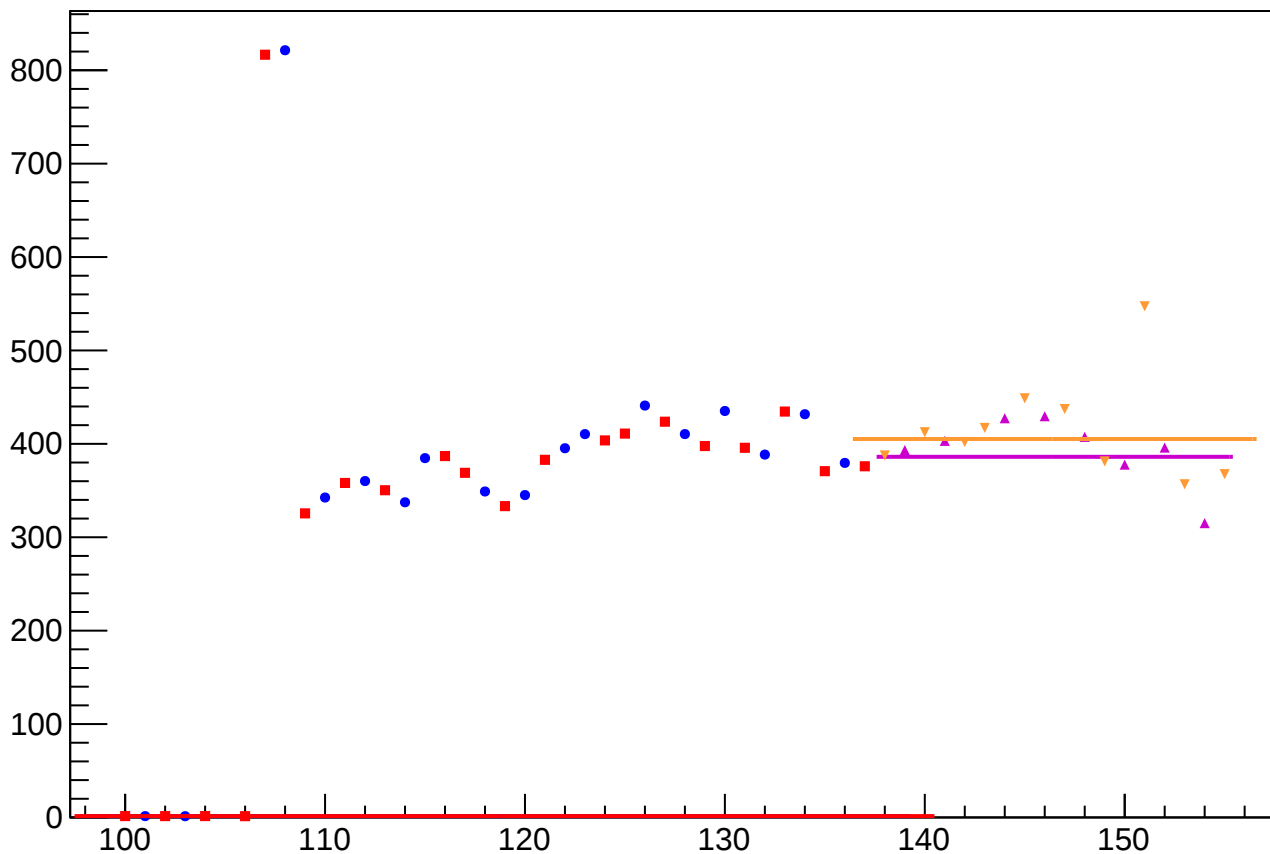
Left In: 10.446 ± 153.944 χ^2/NDF : 1.2/7

-0.137 ± 1.736 χ^2/NDF : 17.4/26

0.643 ± 1.186 χ^2/NDF : 28.6/54

1.325 ± 1.622 χ^2/NDF : 10.8/27

asym_cav4dQ_rms vs Slug, Sign Corrected



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

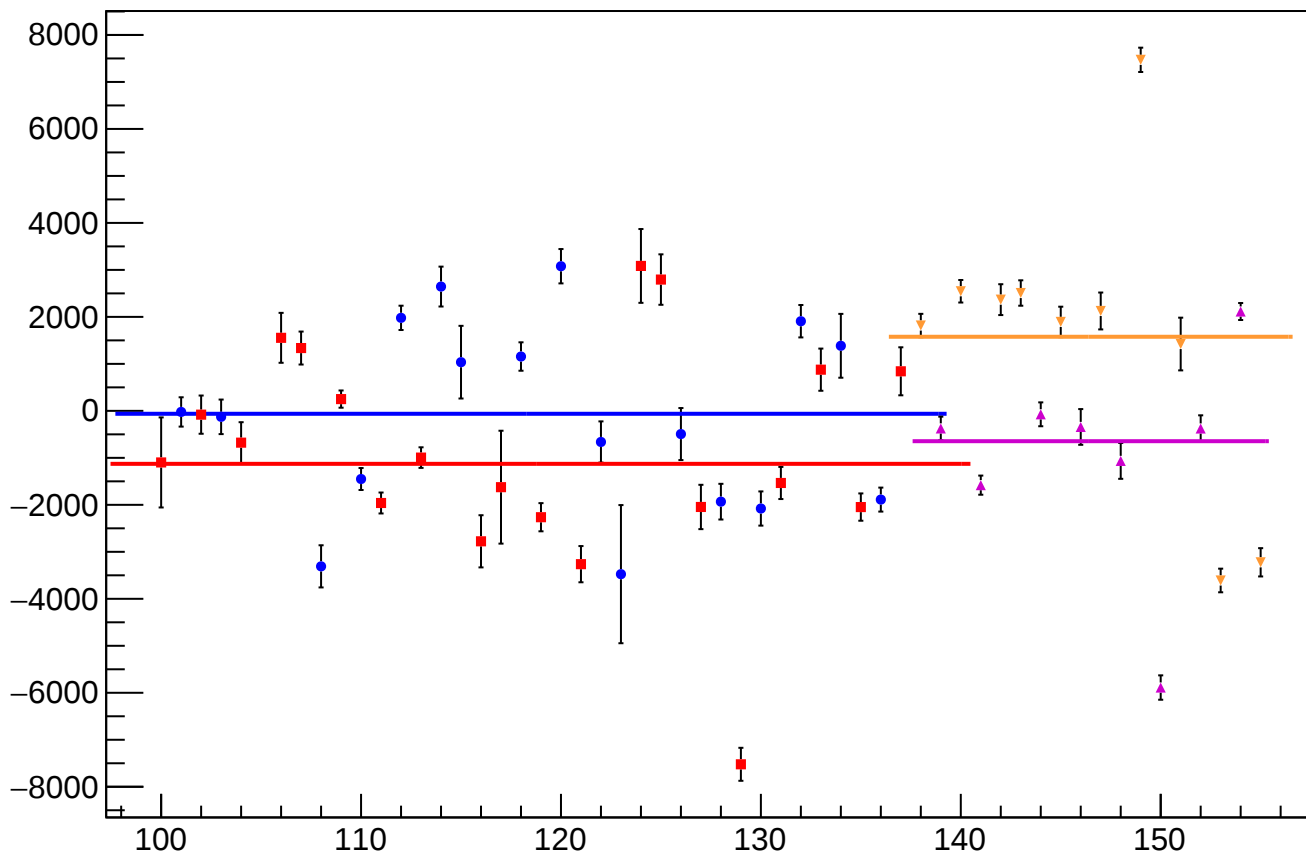
Left In: 386.122+/-0.109 χ^2/NDF : 127232.1/7

1.506+/-0.001 χ^2/NDF : 25501947.1/26

1.500+/-0.001 χ^2/NDF : 49082438.6/54

1.494+/-0.001 χ^2/NDF : 23580437.4/27

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -62.164+/-87.424 χ^2/NDF : 433.9/16

Left Out: 1577.034+/-92.210 χ^2/NDF :1236.2/9

Right Out: -1127.552+/-78.203 χ^2/NDF : 671.4/19

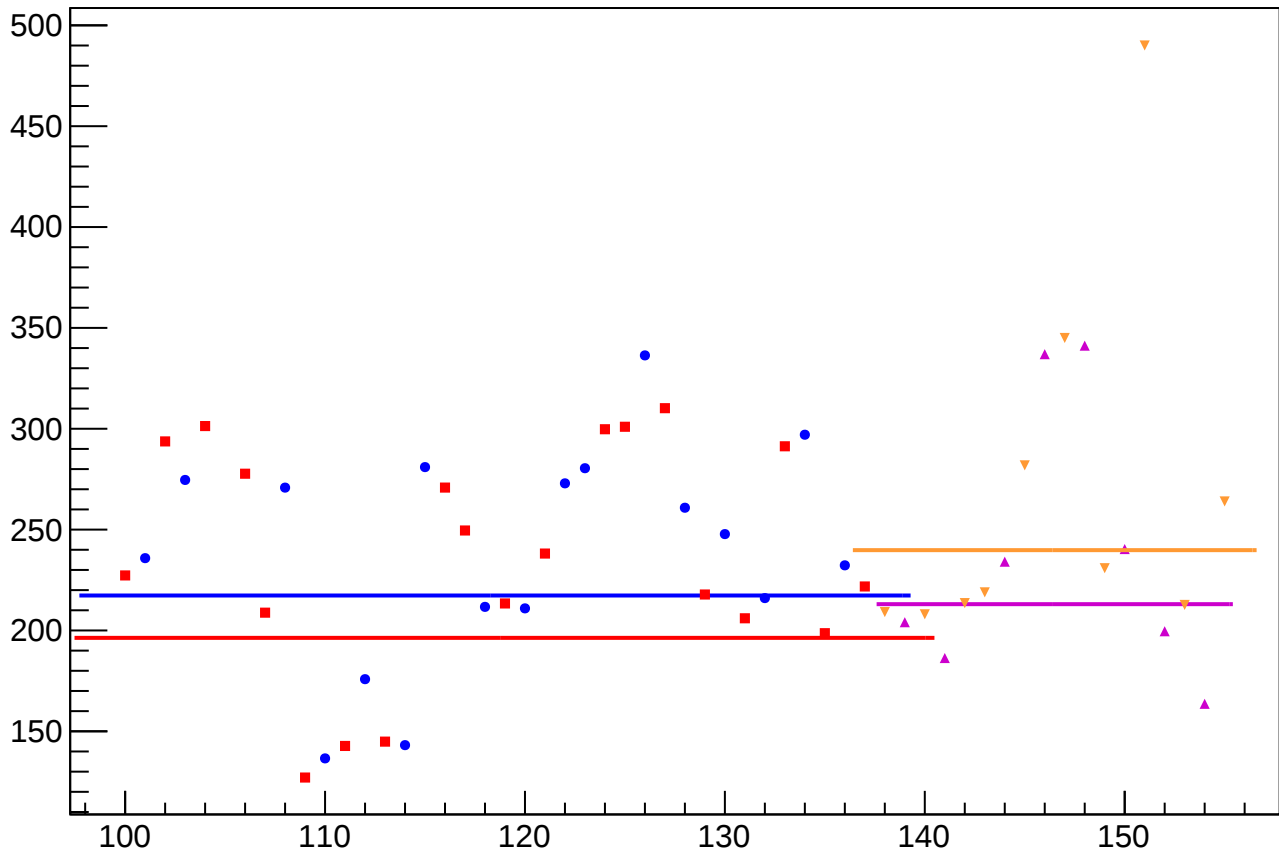
Left In: -645.586+/-88.557 χ^2/NDF :671.9/7

713.794+/-63.442 χ^2/NDF : 1836.6/26

-165.616+/-43.054 χ^2/NDF : 3552.7/54

-916.378+/-58.619 χ^2/NDF : 1359.9/27

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.330 $\pm$ 0.062 χ^2 /NDF: 652722.5/16

Left Out: 239.814 $\pm$ 0.065 χ^2 /NDF: 704484.9/9

Right Out: 196.332 $\pm$ 0.055 χ^2 /NDF: 1194678.0/19

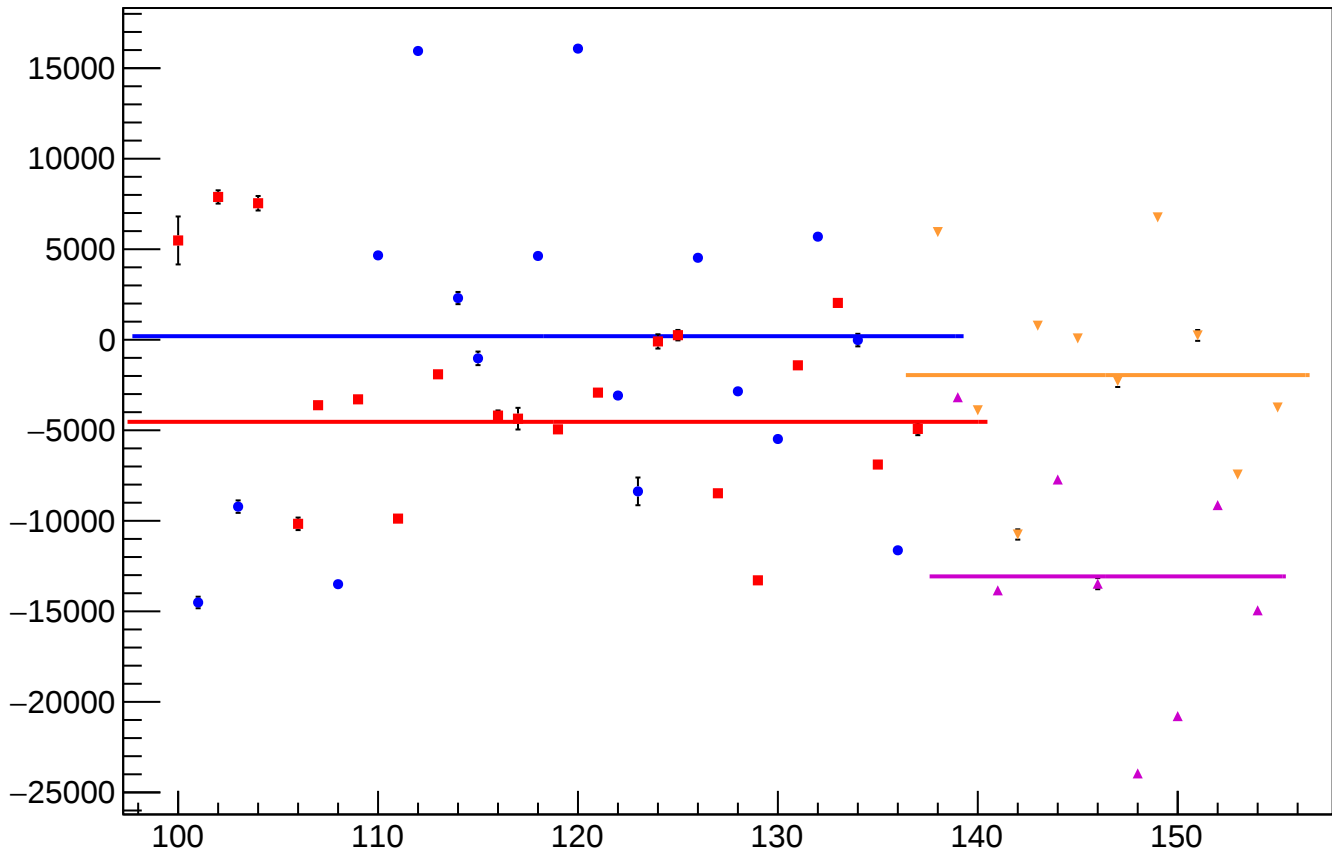
Left In: 213.034 $\pm$ 0.063 χ^2 /NDF: 665311.4/7

227.973 $\pm$ 0.045 χ^2 /NDF: 1419827.2/26

214.852 $\pm$ 0.030 χ^2 /NDF: 3478376.7/54

203.650 $\pm$ 0.041 χ^2 /NDF: 1899959.9/27

asym_bpm0i02WS_mean vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 7477.3/19$

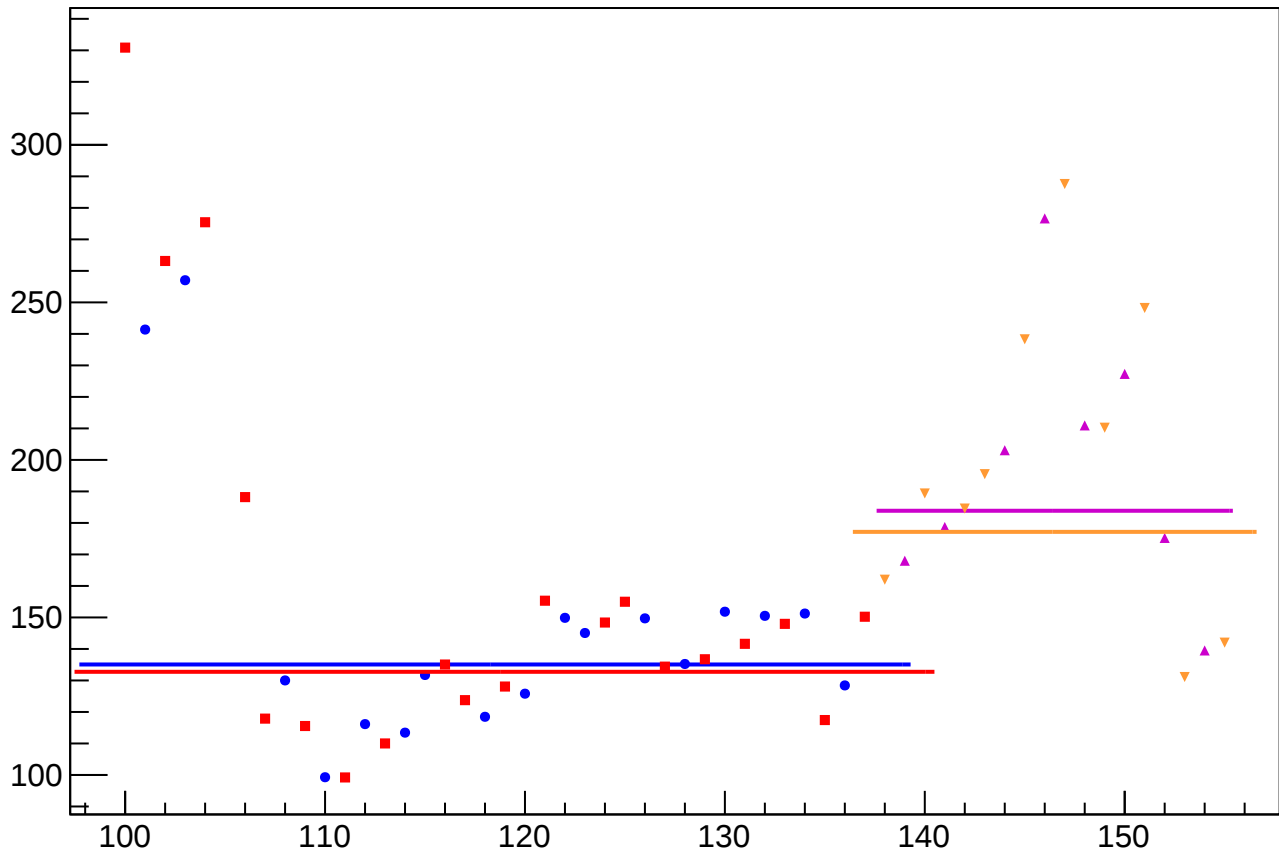
Left In: -13069.433 ± 75.528 $\chi^2/\text{NDF}: 6318.6/7$

-646.812 ± 42.704 $\chi^2/\text{NDF}: 37154.3/26$

-3950.658 ± 30.292 $\chi^2/\text{NDF}: 71636.4/54$

-7296.717 ± 42.976 $\chi^2/\text{NDF}: 22434.6/27$

asym_bpm0i02WS_rms vs Slug, Sign Corrected



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

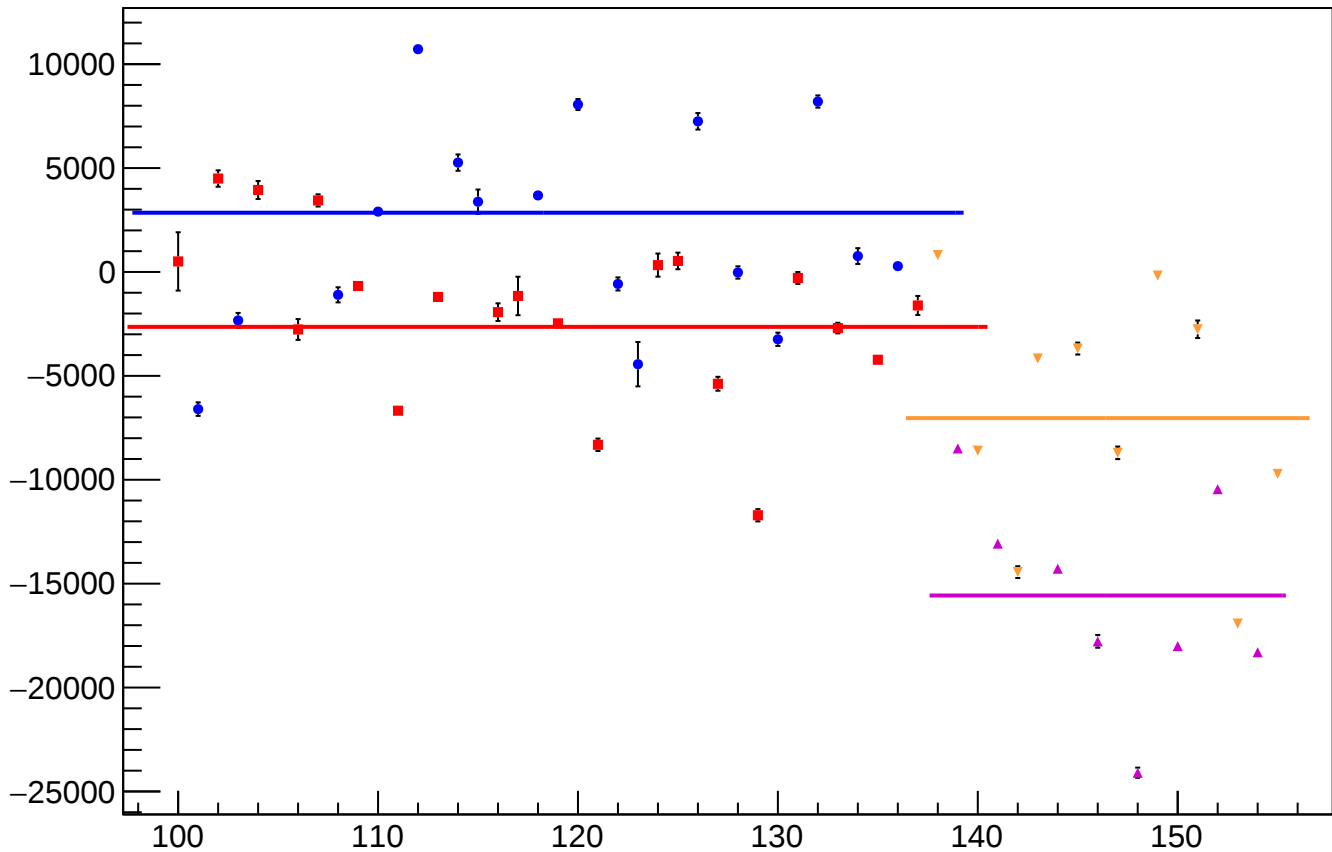
Left In: 183.862+/-0.053 χ^2/NDF : 468650.5/7

151.602+/-0.030 χ^2/NDF : 1925015.0/26

150.456+/-0.021 χ^2/NDF : 3847645.9/54

149.296+/-0.030 χ^2/NDF : 1919734.6/27

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2851.437 $\pm$ 70.753 χ^2 /NDF: 4178.1/16

Left Out: -7033.880 $\pm$ 76.726 χ^2 /NDF:6286.1/9

Right Out: -2641.642 $\pm$ 65.566 χ^2 /NDF: 3178.3/19

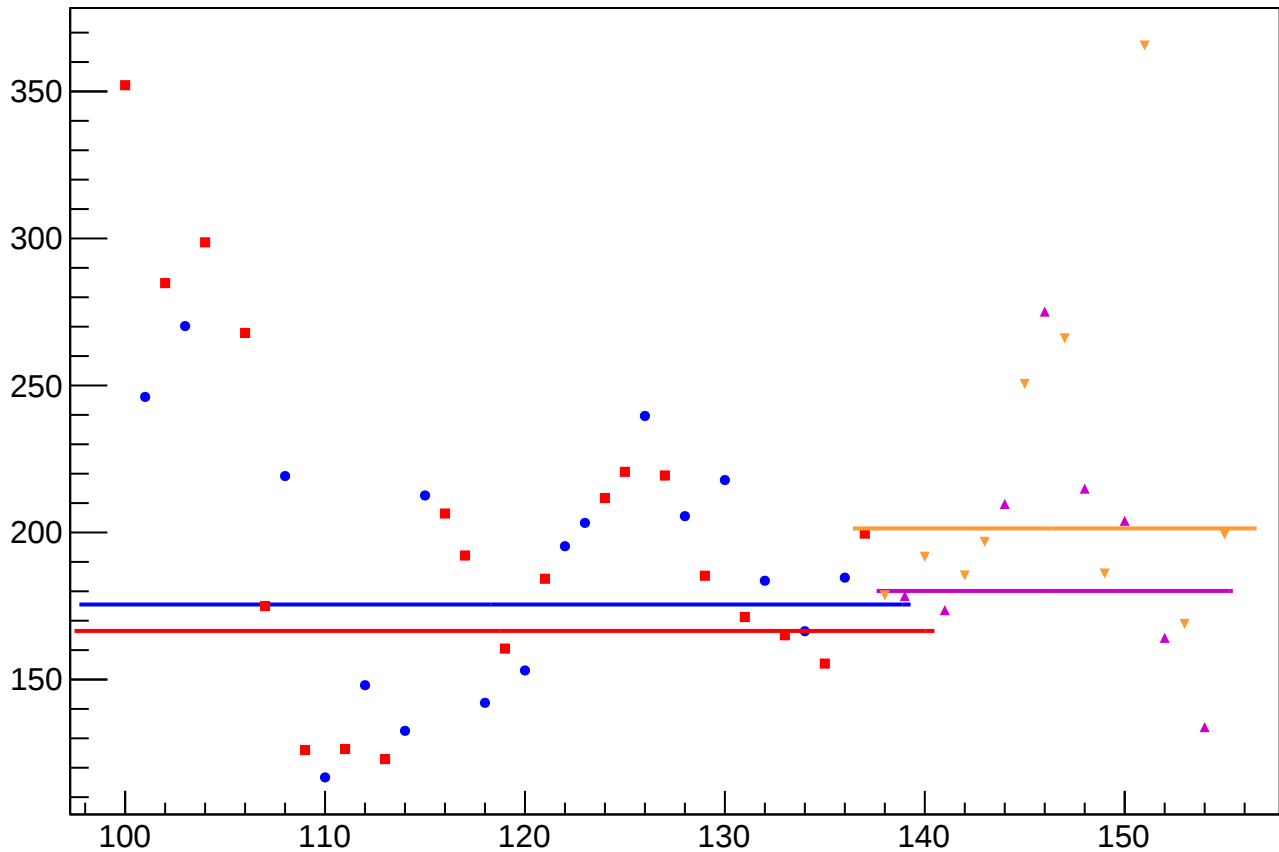
Left In: -15570.196 $\pm$ 74.245 χ^2 /NDF:3498.3/7

-1691.532 $\pm$ 52.014 χ^2 /NDF: 19435.1/26

-5186.357 $\pm$ 35.722 χ^2 /NDF: 51693.0/54

-8306.373 $\pm$ 49.145 χ^2 /NDF: 23712.9/27

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 175.514 $\pm$ 0.050 χ^2 /NDF: 689642.3/16

Left Out: 201.372 $\pm$ 0.054 χ^2 /NDF: 552342.0/9

Right Out: 166.522 $\pm$ 0.046 χ^2 /NDF: 931079.9/19

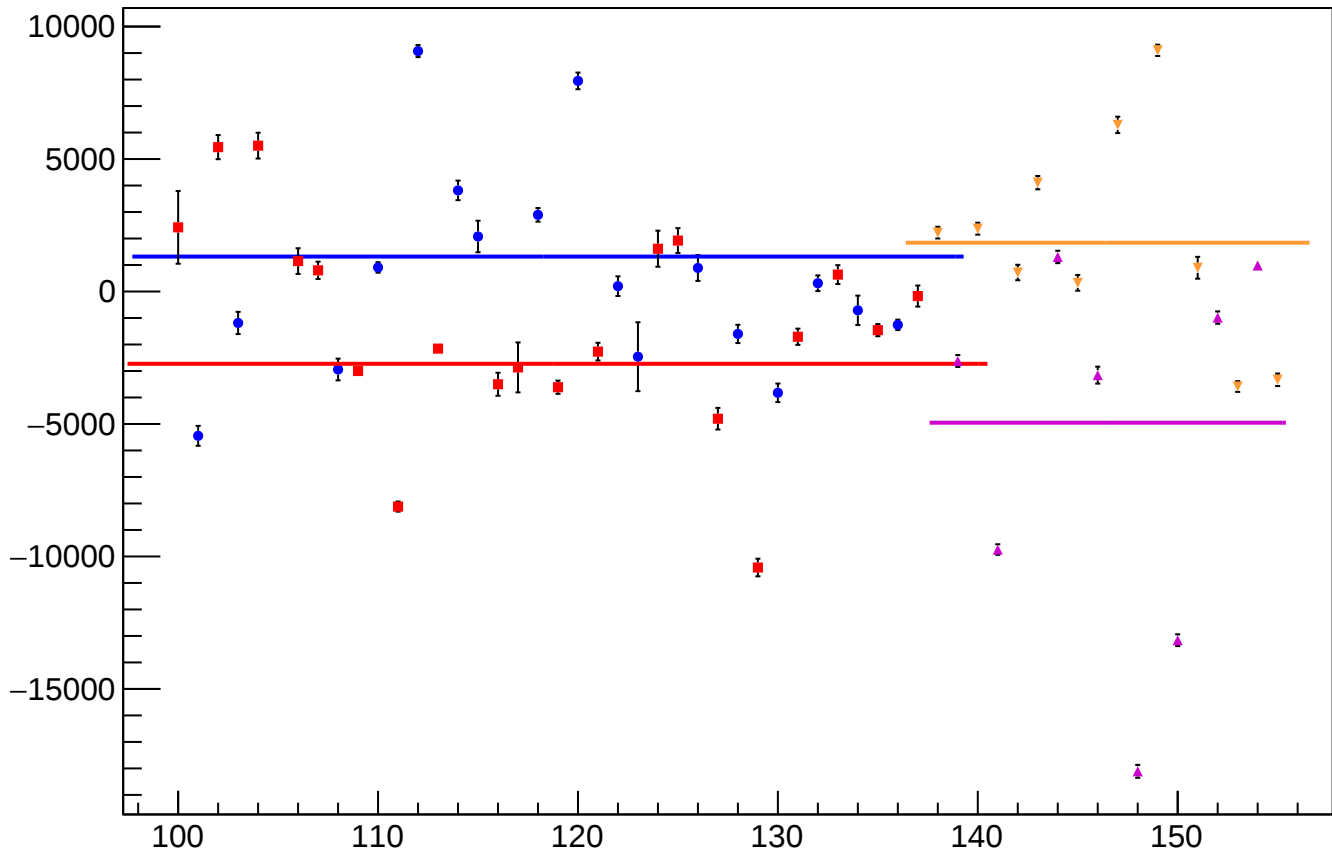
Left In: 180.122 $\pm$ 0.052 χ^2 /NDF: 498954.0/7

187.398 $\pm$ 0.037 χ^2 /NDF: 1364751.5/26

179.517 $\pm$ 0.025 χ^2 /NDF: 2919393.1/54

172.481 $\pm$ 0.035 χ^2 /NDF: 1467736.6/27

asym_bpm0i05WS_mean vs Slug, Sign Corrected



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

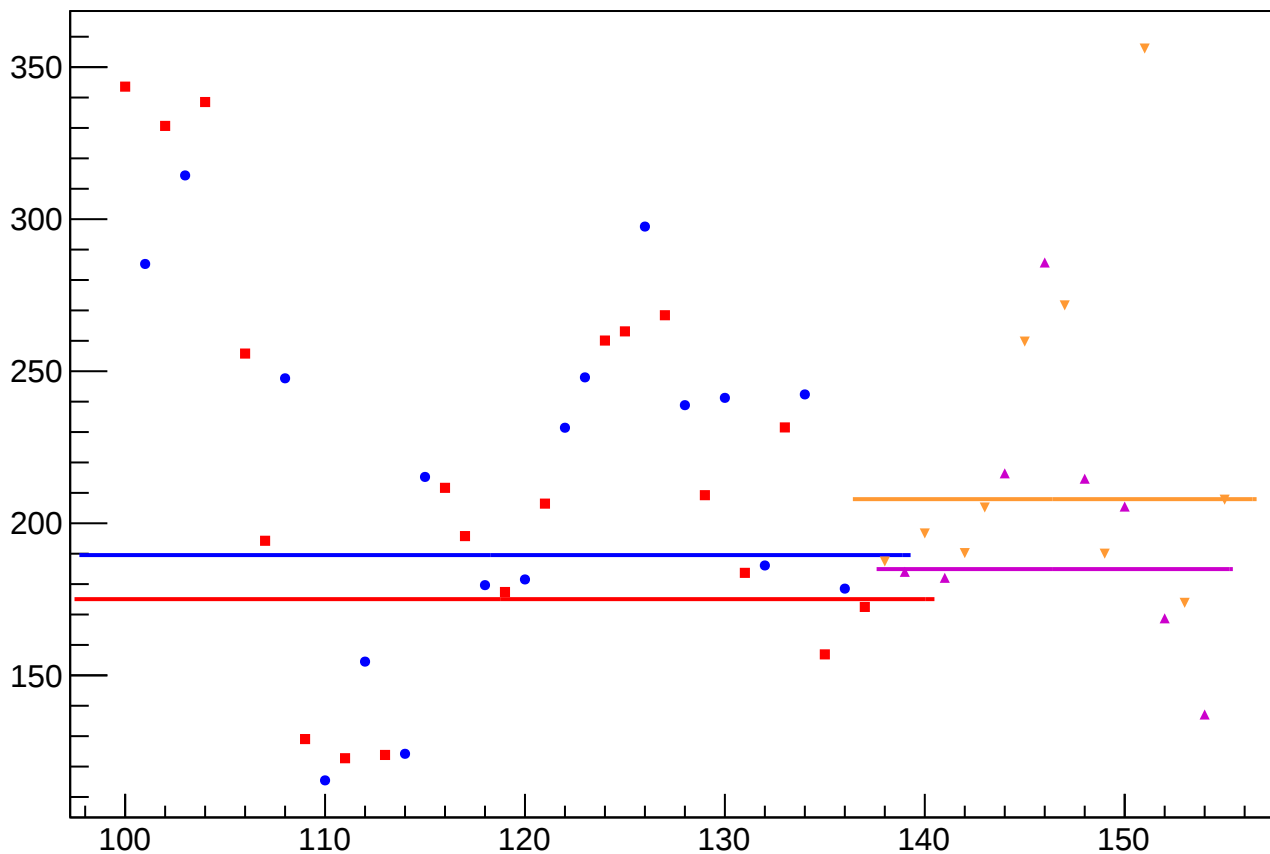
Left In: -4951.227+/-76.261 χ^2/NDF : 7530.1/7

1573.177+/-55.248 χ^2/NDF : 5388.4/26

-1270.780+/-37.673 χ^2/NDF : 20829.1/54

-3742.334+/-51.504 χ^2/NDF : 10488.1/27

asym_bpm0i05WS_rms vs Slug, Sign Corrected



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

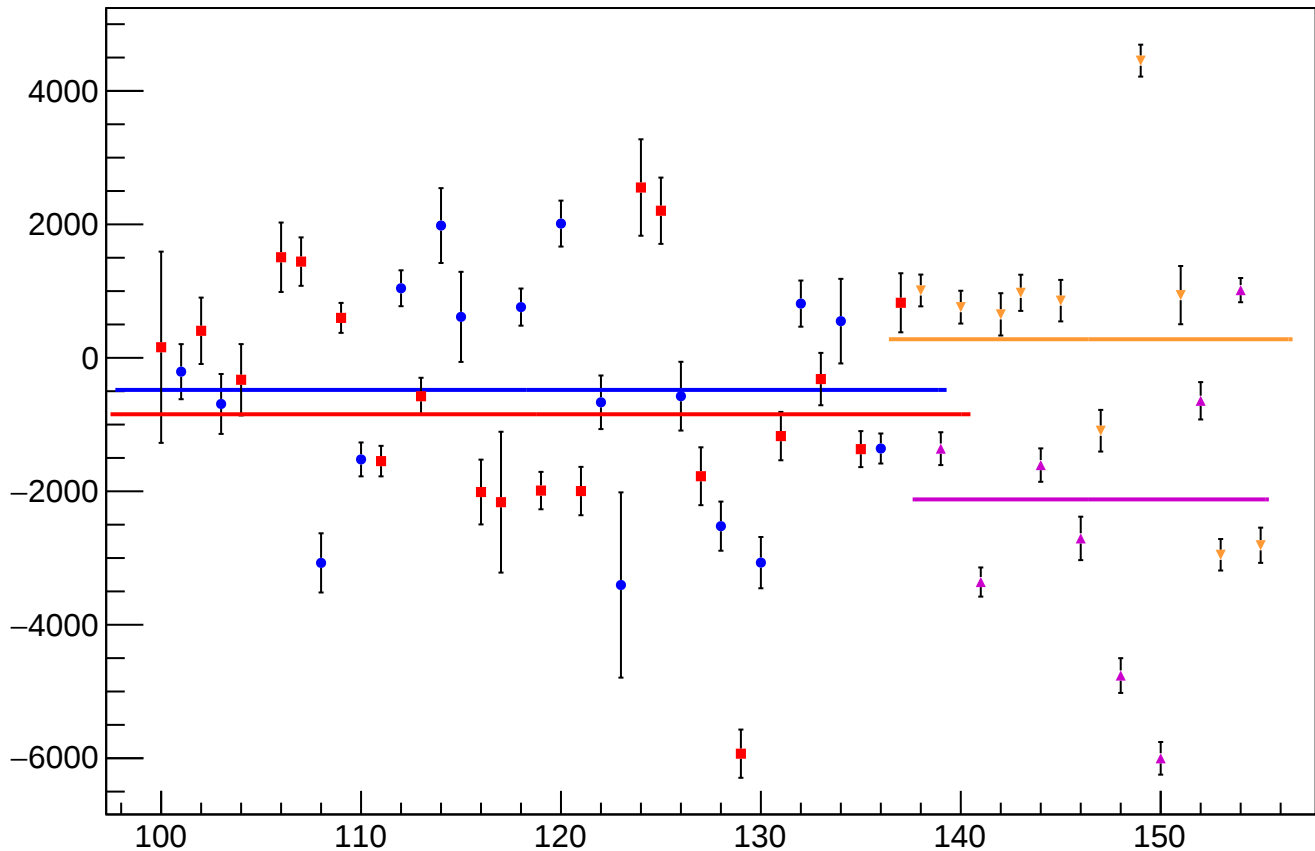
Left In: 184.939 $\pm$ 0.054 χ^2 /NDF: 491643.1/7

198.505 $\pm$ 0.039 χ^2 /NDF: 1540875.4/26

188.371 $\pm$ 0.027 χ^2 /NDF: 3474612.7/54

179.565 $\pm$ 0.036 χ^2 /NDF: 1807982.9/27

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -480.578 ± 88.640 $\chi^2/\text{NDF}: 290.7/16$

Left Out: 278.763 ± 86.580 $\chi^2/\text{NDF}: 674.8/9$

Right Out: -845.444 ± 81.995 $\chi^2/\text{NDF}: 436.9/19$

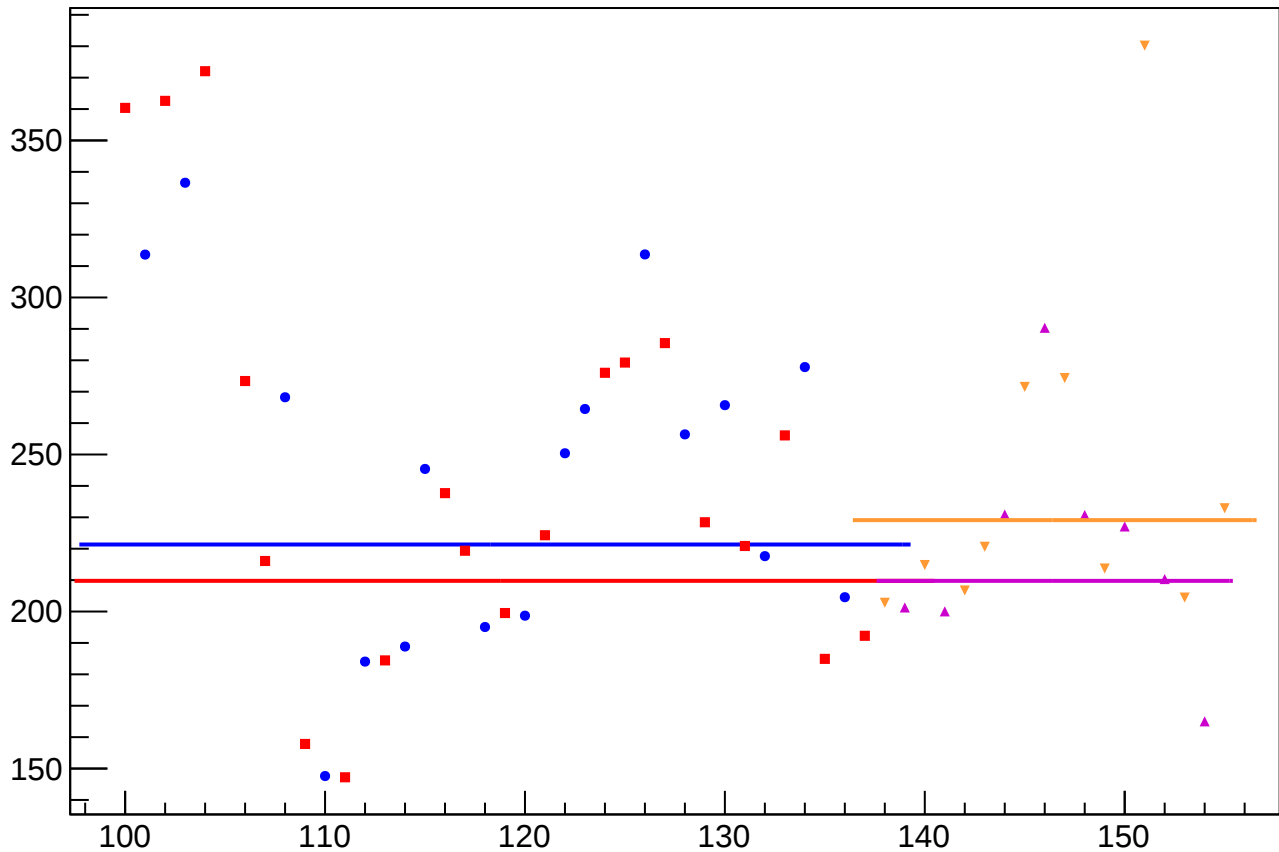
Left In: -2121.523 ± 85.304 $\chi^2/\text{NDF}: 729.6/7$

-91.982 ± 61.937 $\chi^2/\text{NDF}: 1003.1/26$

-806.959 ± 42.763 $\chi^2/\text{NDF}: 2540.5/54$

-1458.250 ± 59.114 $\chi^2/\text{NDF}: 1282.8/27$

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 229.101 $\pm$ 0.061 χ^2 /NDF: 392815.3/9

Right Out: 209.775 $\pm$ 0.058 χ^2 /NDF: 884083.7/19

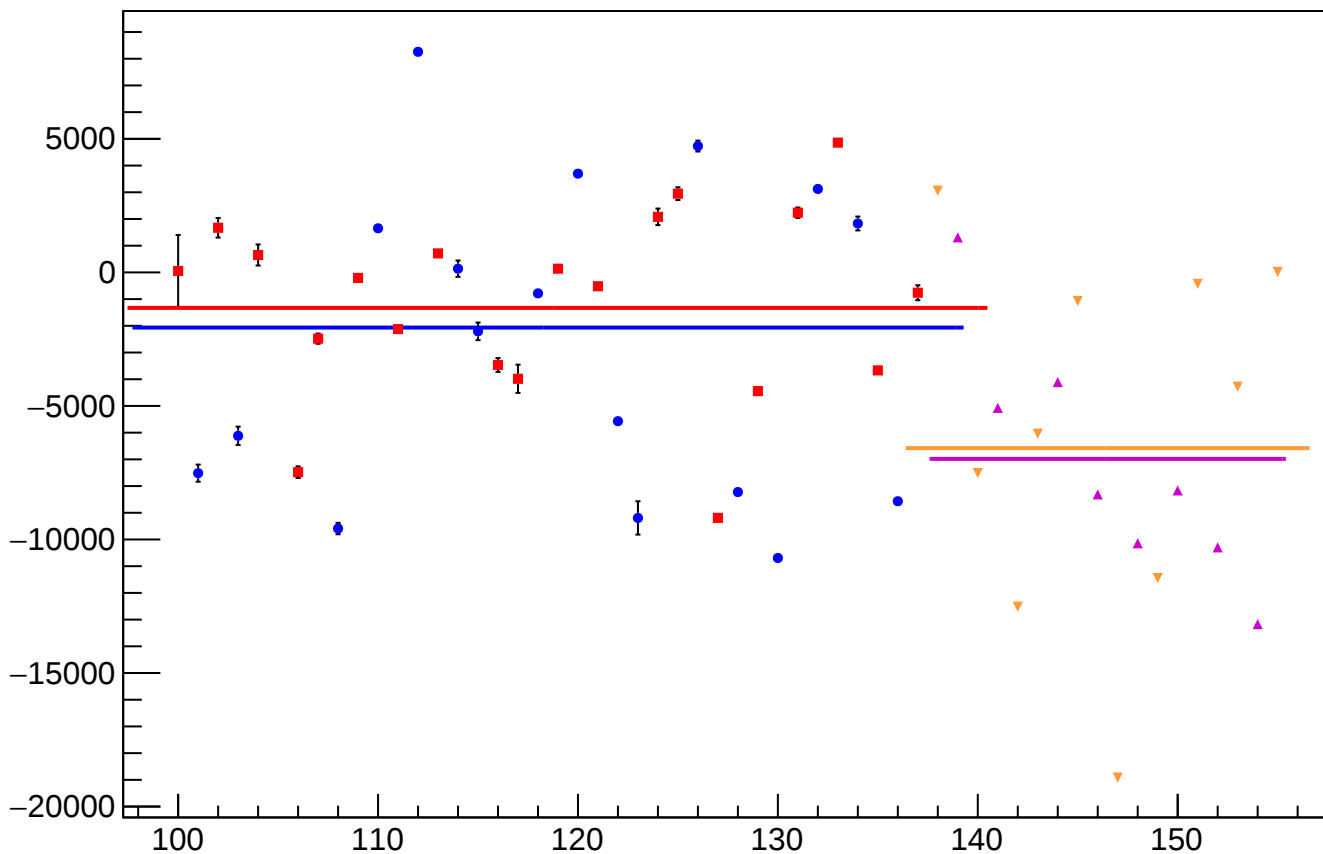
Left In: 209.764 $\pm$ 0.060 χ^2 /NDF: 287882.0/7

225.313 $\pm$ 0.044 χ^2 /NDF: 1046345.8/26

217.179 $\pm$ 0.030 χ^2 /NDF: 2284222.4/54

209.770 $\pm$ 0.042 χ^2 /NDF: 1171965.7/27

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2065.160 $\pm$ 47.322 χ^2/NDF : 16533.3/16

Left Out: -6580.968 $\pm$ 42.807 χ^2/NDF : 24423.2/9

Right Out: -1327.819 $\pm$ 44.838 χ^2/NDF : 5919.9/19

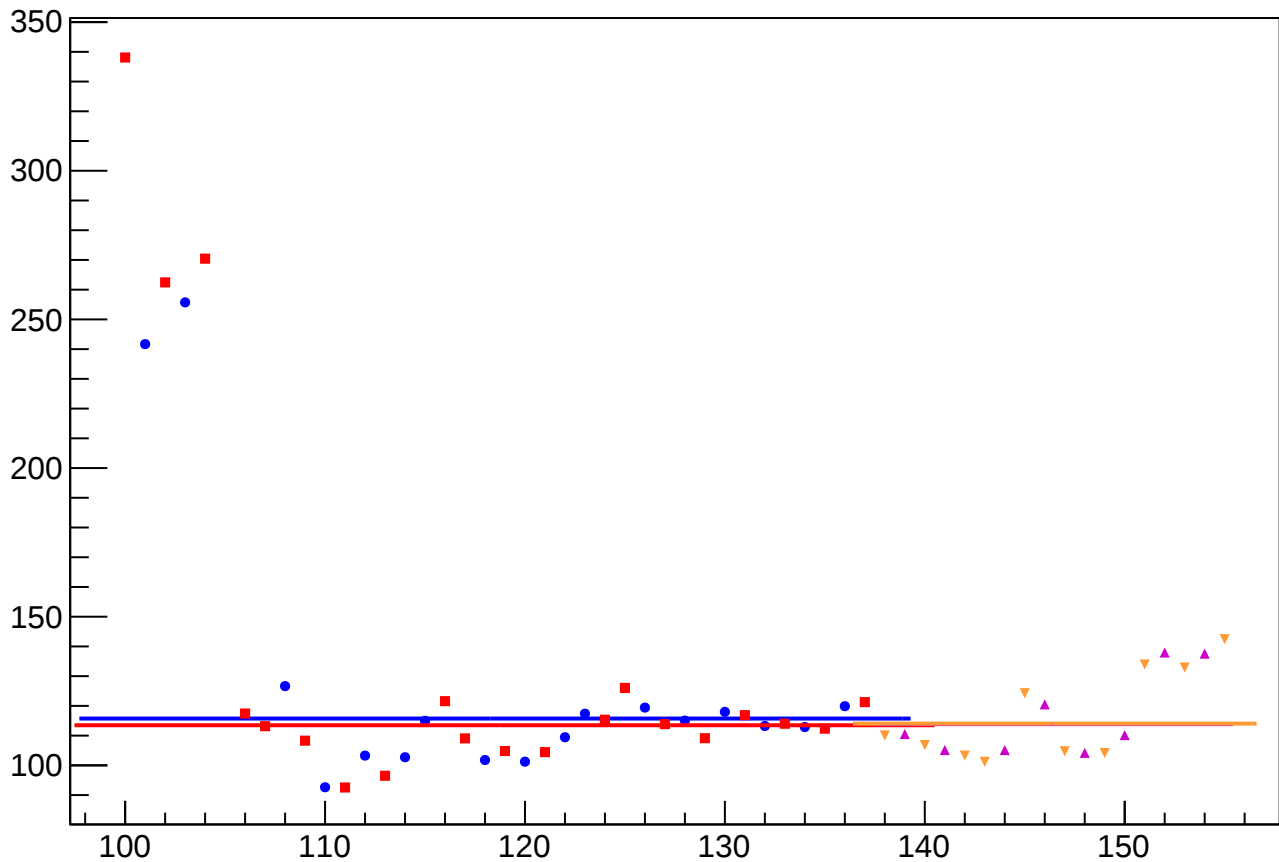
Left In: -6982.761 $\pm$ 45.245 χ^2/NDF : 7637.2/7

-4548.743 $\pm$ 31.745 χ^2/NDF : 45964.8/26

-4339.919 $\pm$ 22.484 χ^2/NDF : 67489.7/54

-4129.739 $\pm$ 31.848 χ^2/NDF : 21438.1/27

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 115.741 ± 0.033 $\chi^2/\text{NDF}: 744017.7/16$

Left Out: 114.038 ± 0.030 $\chi^2/\text{NDF}: 204615.6/9$

Right Out: 113.487 ± 0.032 $\chi^2/\text{NDF}: 796781.7/19$

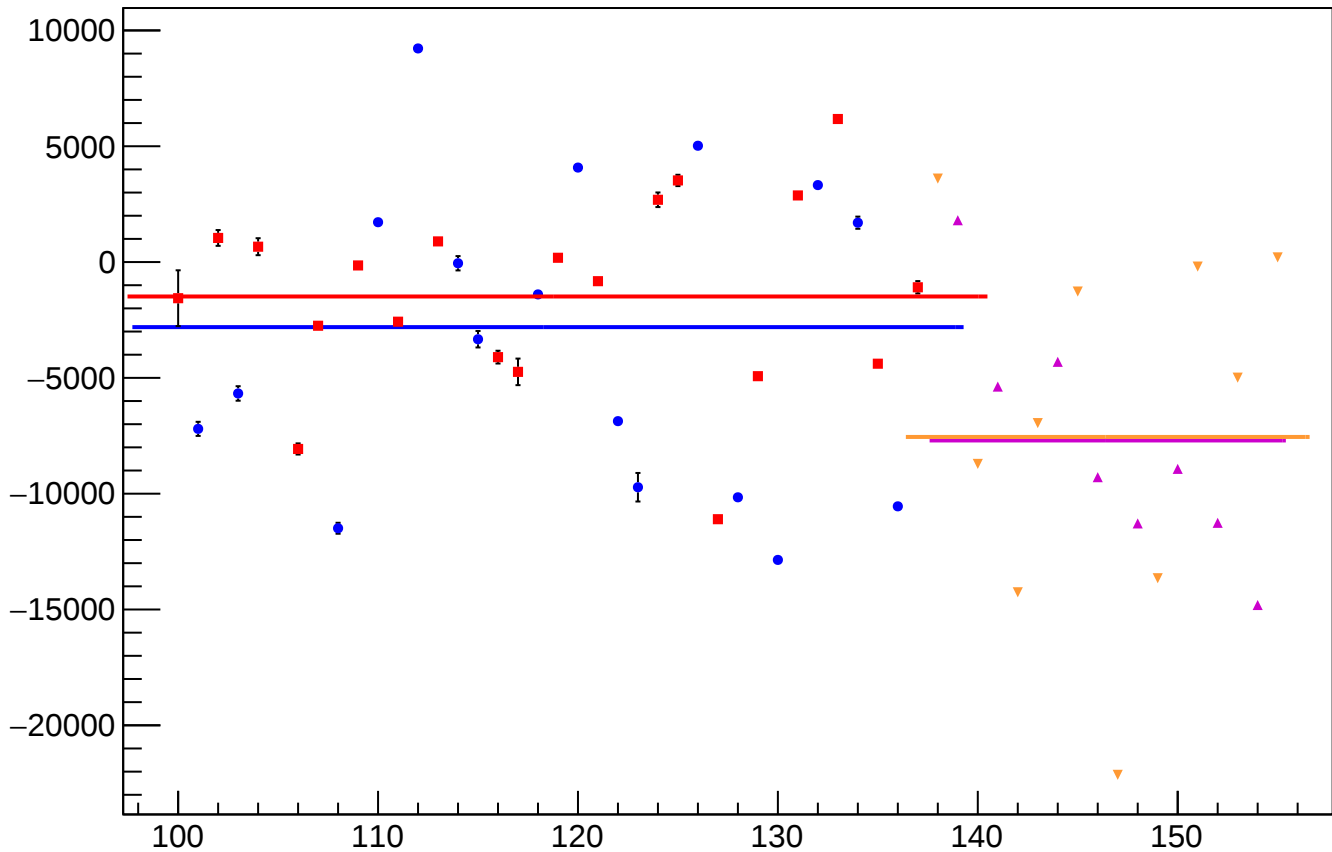
Left In: 113.850 ± 0.032 $\chi^2/\text{NDF}: 143763.8/7$

114.804 ± 0.022 $\chi^2/\text{NDF}: 950057.3/26$

114.237 ± 0.016 $\chi^2/\text{NDF}: 1891946.9/54$

113.667 ± 0.023 $\chi^2/\text{NDF}: 940610.7/27$

asym_bpm2i01WS_mean vs Slug, Sign Corrected



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

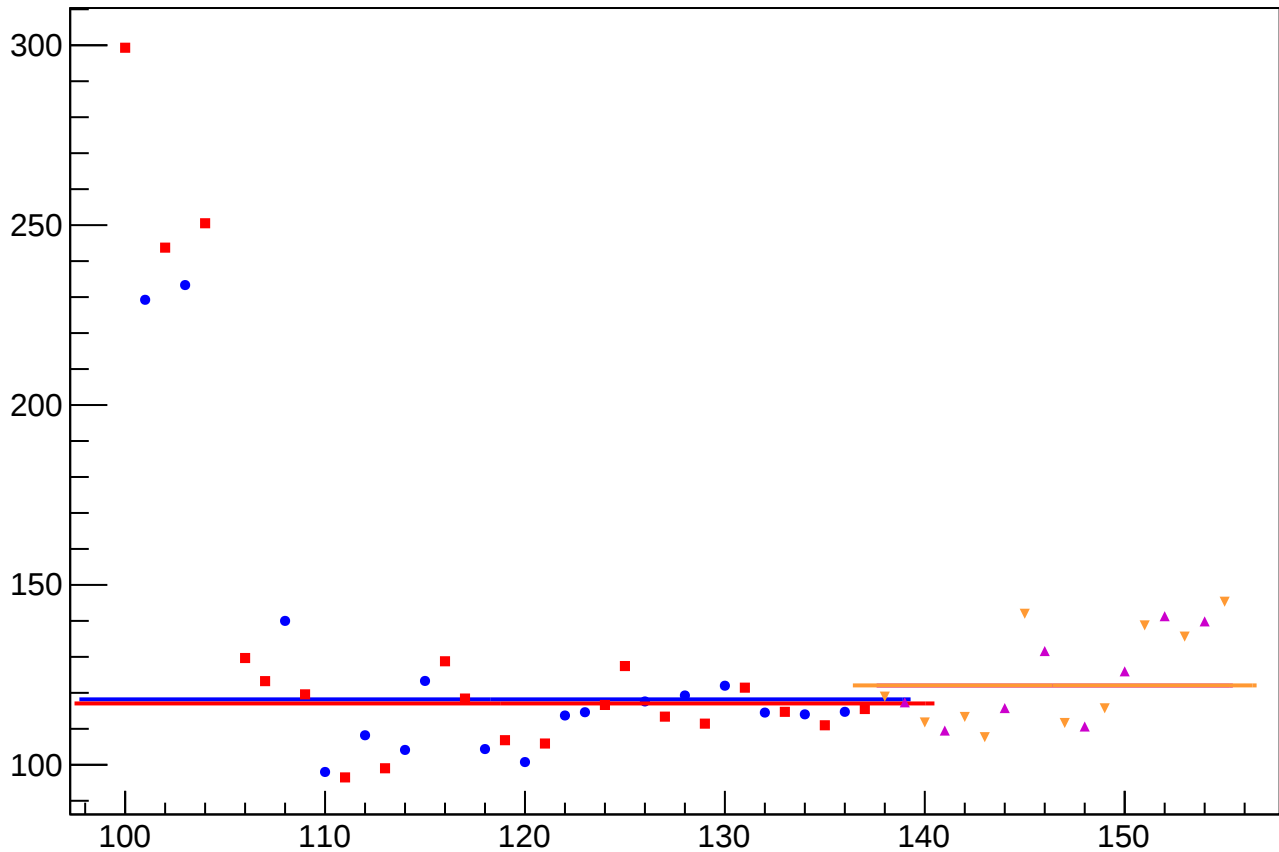
Left In: -7701.947+/-48.490 χ^2/NDF : 9018.4/7

-5303.443+/-33.240 χ^2/NDF : 55628.5/26

-4878.024+/-23.584 χ^2/NDF : 81618.7/54

-4446.831+/-33.465 χ^2/NDF : 25660.3/27

asym_bpm2i01WS_rms vs Slug, Sign Corrected



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

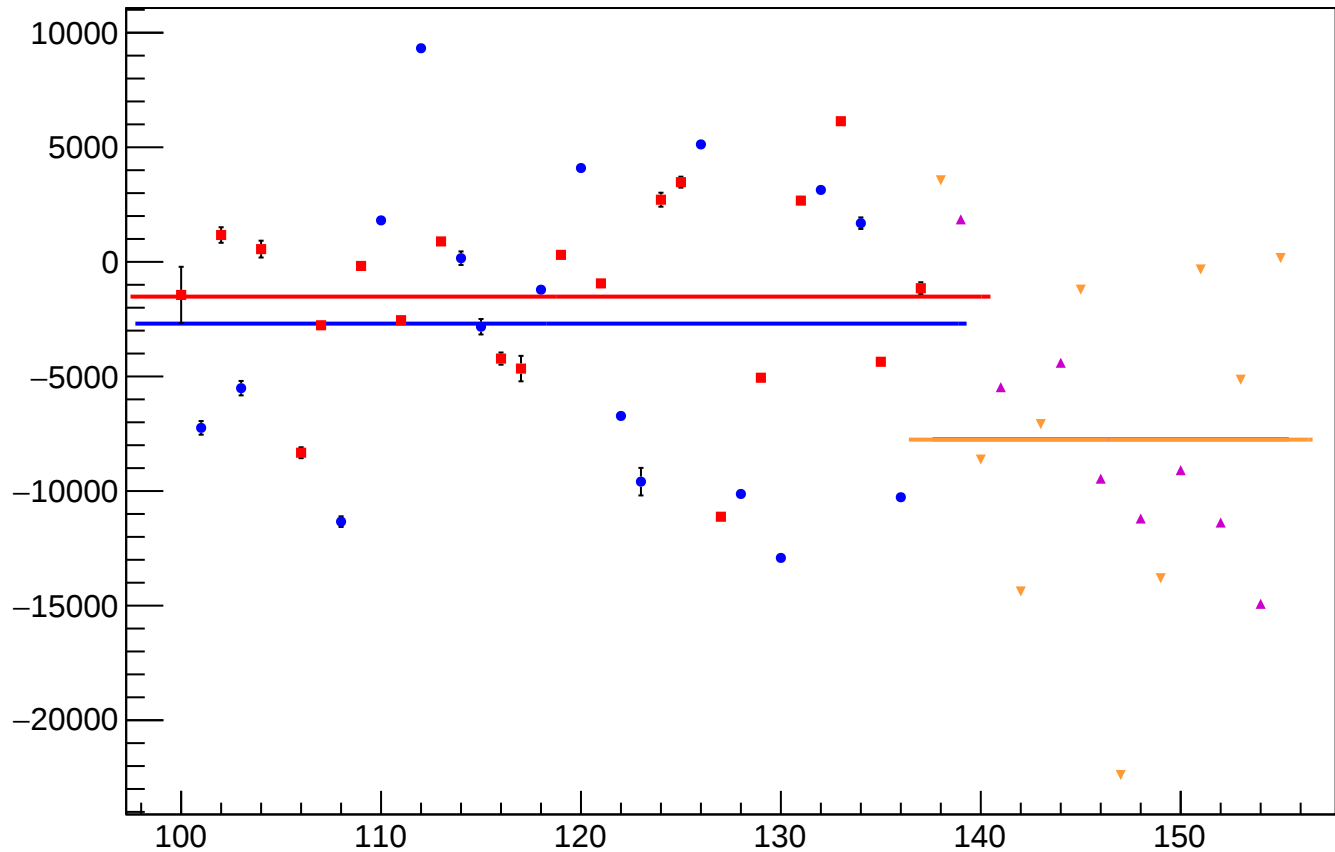
Left In: 122.029 $\pm$ 0.034 χ^2 /NDF: 112686.6/7

120.230 $\pm$ 0.024 χ^2 /NDF: 810982.0/26

119.829 $\pm$ 0.017 χ^2 /NDF: 1625921.1/54

119.424 $\pm$ 0.024 χ^2 /NDF: 814355.1/27

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2694.260 $\pm$ 46.347 χ^2 /NDF: 22860.3/16

Left Out: -7755.886 $\pm$ 44.504 χ^2 /NDF:32093.5/9

Right Out: -1515.863 $\pm$ 44.303 χ^2 /NDF: 8749.3/19

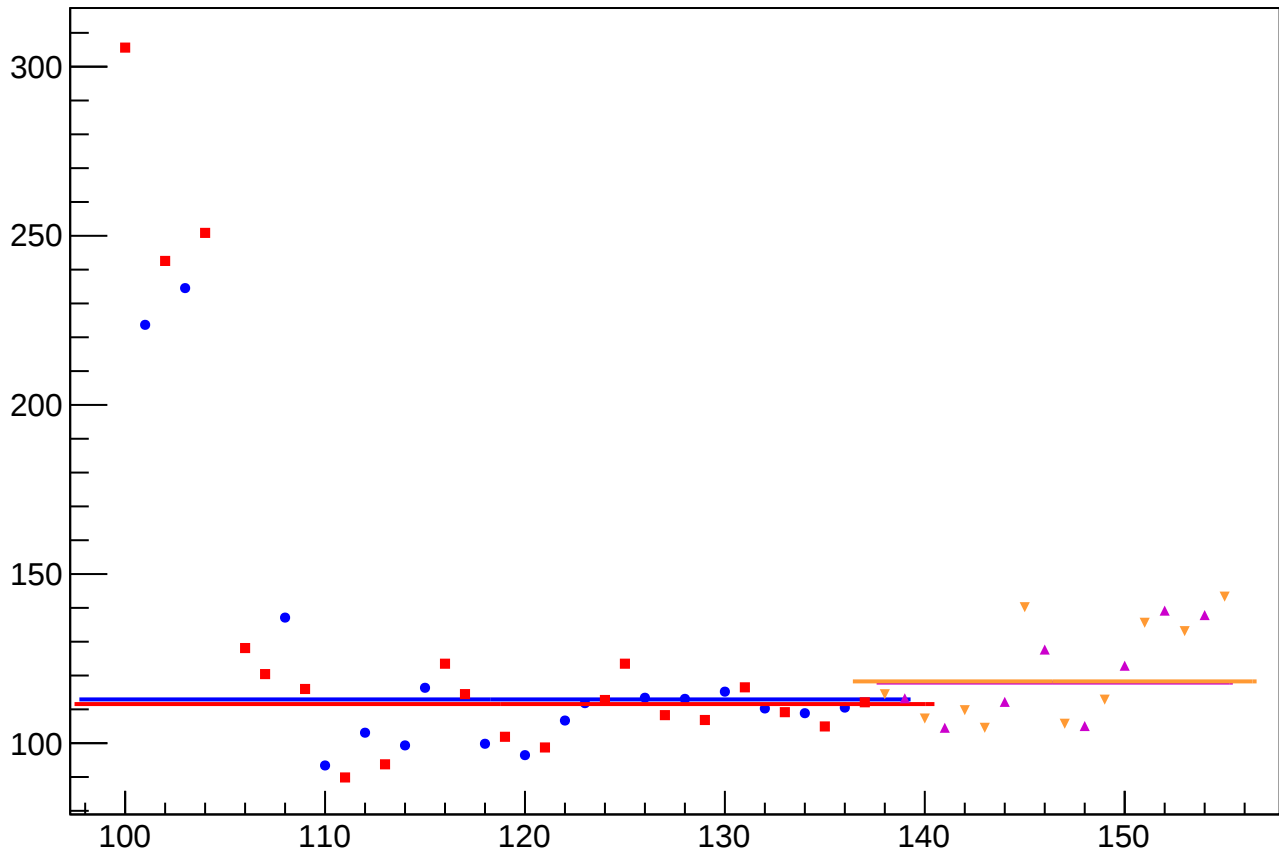
Left In: -7740.920 $\pm$ 46.973 χ^2 /NDF:9662.2/7

-5327.725 $\pm$ 32.101 χ^2 /NDF: 61159.3/26

-4888.860 $\pm$ 22.744 χ^2 /NDF: 89240.8/54

-4446.469 $\pm$ 32.230 χ^2 /NDF: 27706.2/27

asym_bpm2i02WS_rms vs Slug, Sign Corrected



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

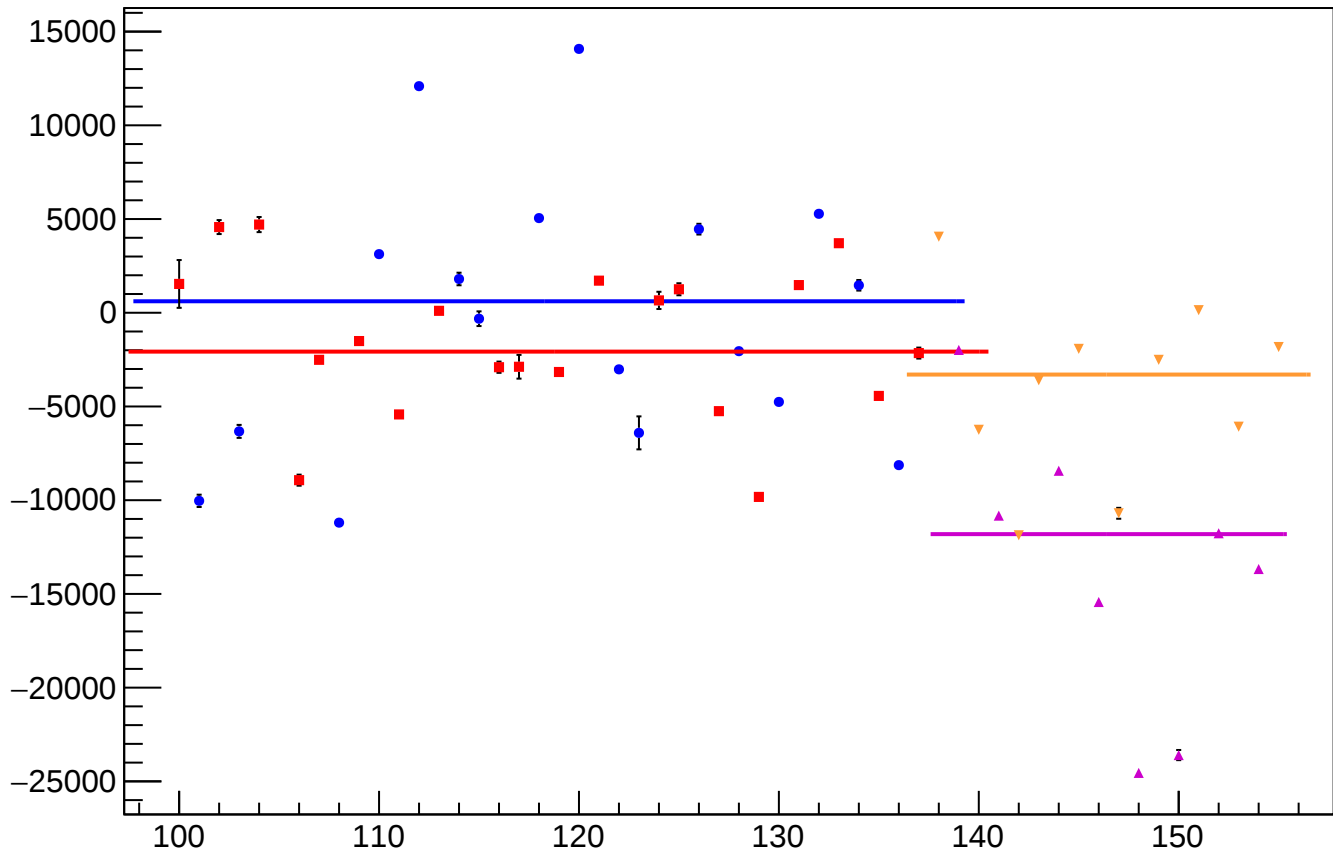
Left In: 117.910 $\pm$ 0.033 χ^2 /NDF: 141722.5/7

115.710 $\pm$ 0.023 χ^2 /NDF: 892727.4/26

115.133 $\pm$ 0.016 χ^2 /NDF: 1820636.6/54

114.551 $\pm$ 0.023 χ^2 /NDF: 926610.8/27

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 612.621 ± 56.062 χ^2/NDF : 18243.4/16

Left Out: -3297.210 ± 58.858 χ^2/NDF : 5329.4/9

Right Out: -2073.278 ± 53.736 χ^2/NDF : 4644.3/19

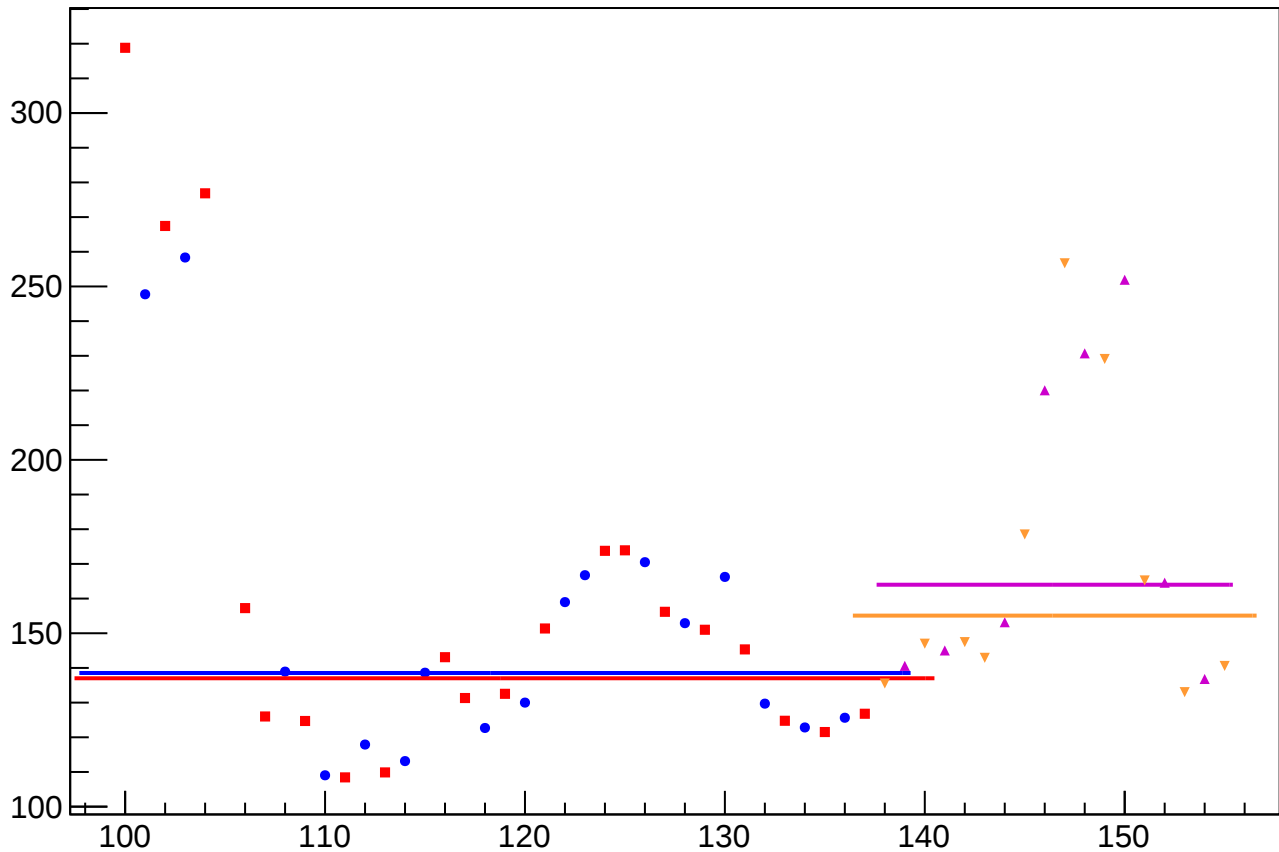
Left In: -11810.291 ± 66.450 χ^2/NDF : 8289.4/7

-1247.222 ± 40.594 χ^2/NDF : 25886.4/26

-3517.701 ± 29.116 χ^2/NDF : 58244.9/54

-5923.169 ± 41.783 χ^2/NDF : 25915.8/27

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 138.542 $\pm$ 0.040 χ^2 /NDF: 668941.7/16

Left Out: 155.088 $\pm$ 0.042 χ^2 /NDF: 548752.4/9

Right Out: 137.019 $\pm$ 0.038 χ^2 /NDF: 755655.0/19

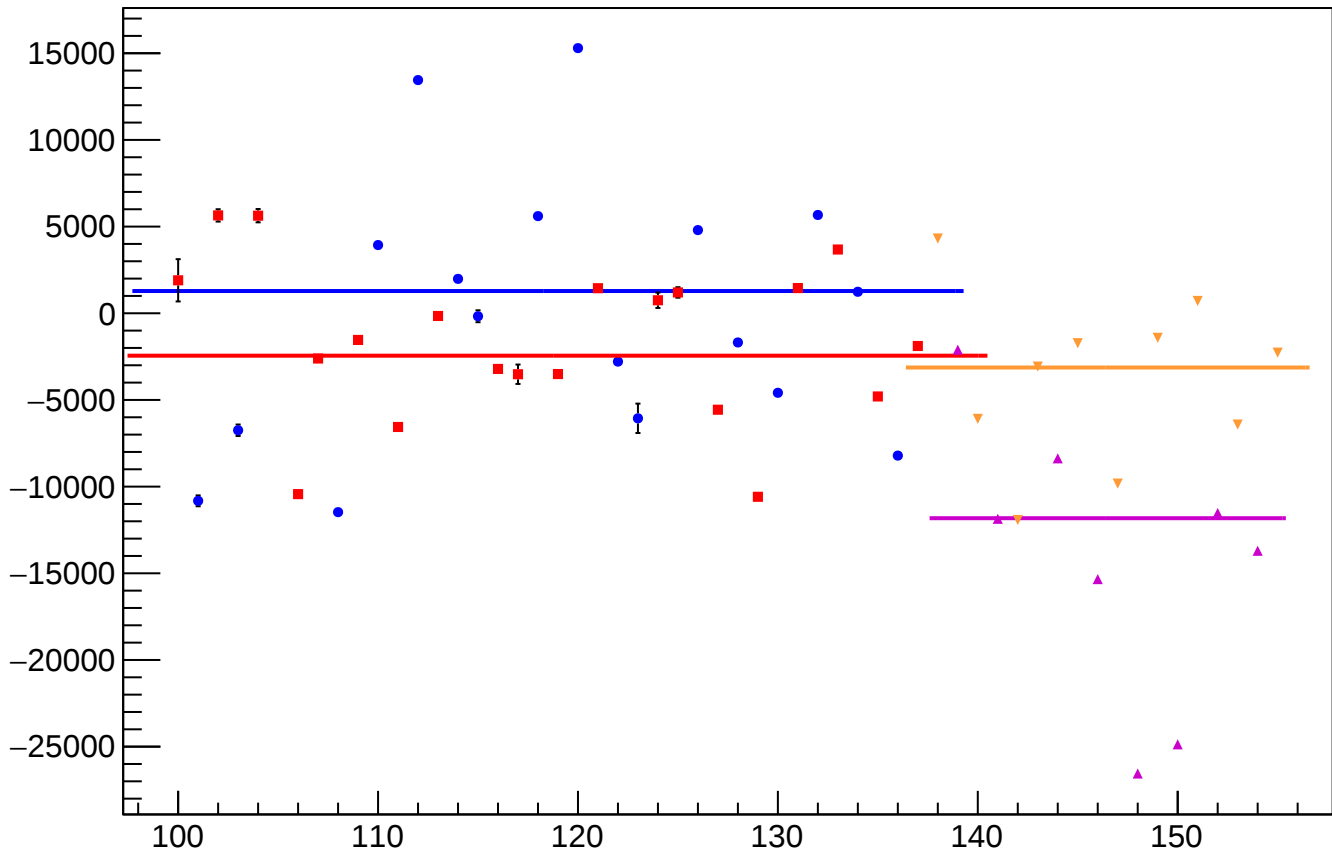
Left In: 163.994 $\pm$ 0.047 χ^2 /NDF: 584001.8/7

146.412 $\pm$ 0.029 χ^2 /NDF: 1300566.3/26

147.030 $\pm$ 0.021 χ^2 /NDF: 2840442.2/54

147.685 $\pm$ 0.030 χ^2 /NDF: 1538921.9/27

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1282.978 $\pm$ 46.572 χ^2/NDF : 30540.8/16

Left Out: -3129.458 $\pm$ 52.258 χ^2/NDF : 7145.7/9

Right Out: -2446.970 $\pm$ 44.148 χ^2/NDF : 7681.2/19

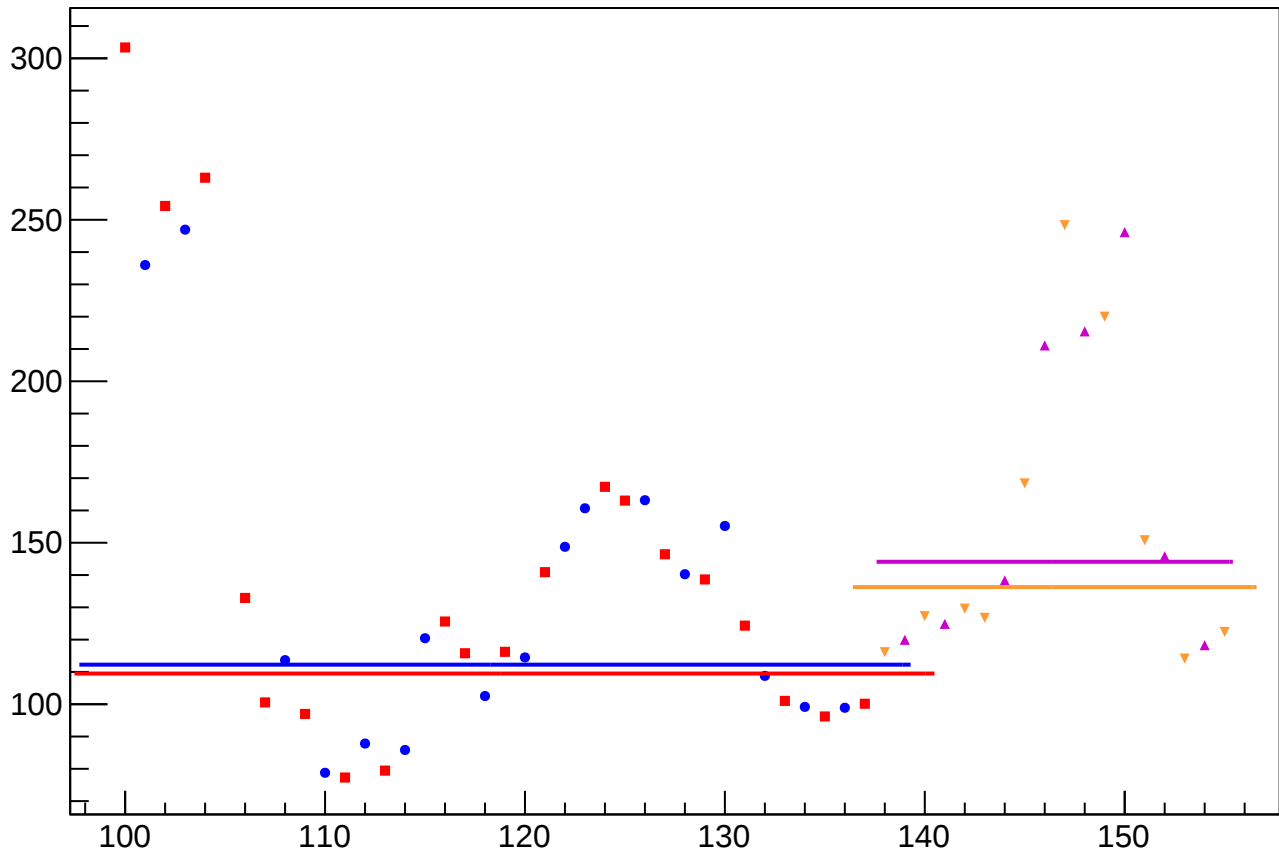
Left In: -11821.827 $\pm$ 59.223 χ^2/NDF : 11224.6/7

-670.220 $\pm$ 34.769 χ^2/NDF : 41660.0/26

-3187.174 $\pm$ 24.804 χ^2/NDF : 87344.8/54

-5795.676 $\pm$ 35.395 χ^2/NDF : 35013.2/27

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



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

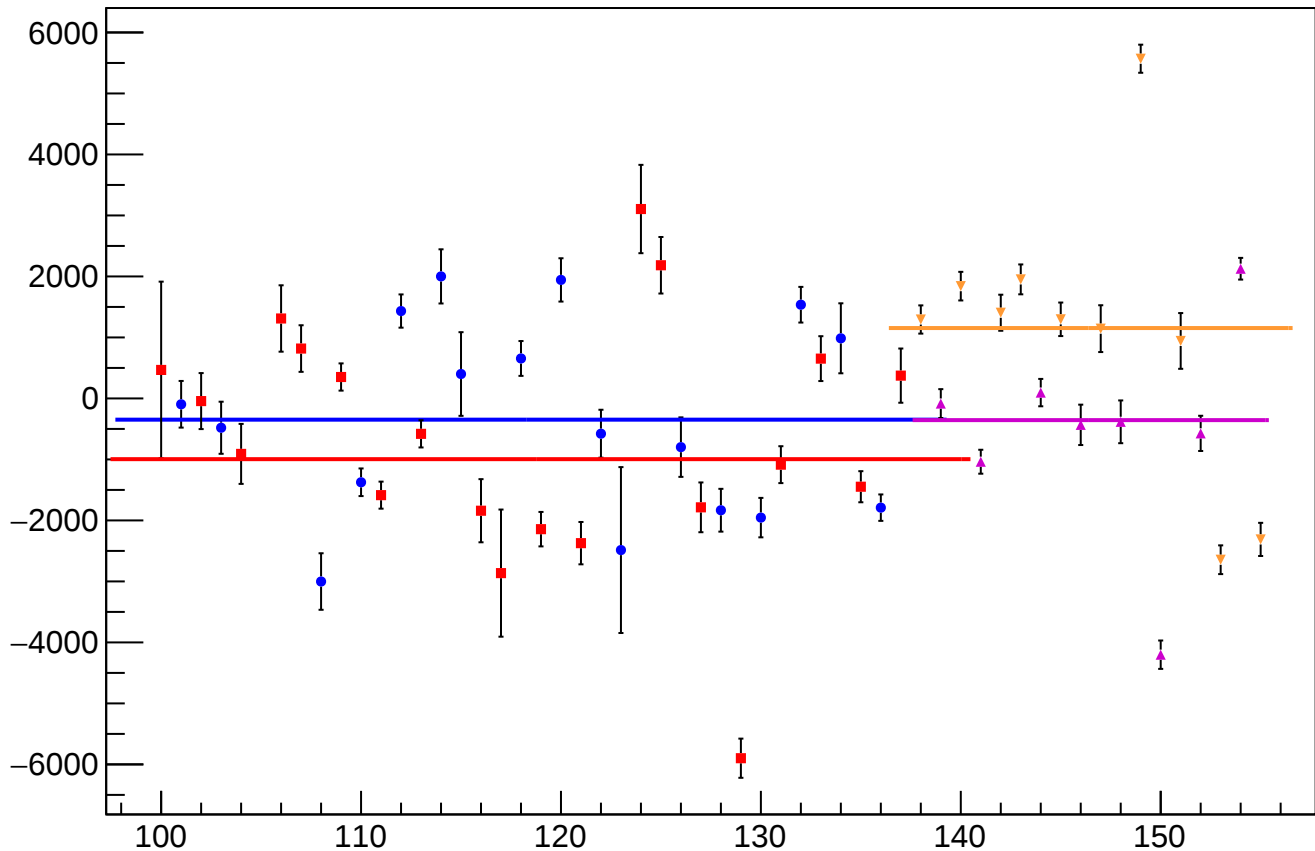
Left In: 144.108+/-0.042 χ^2/NDF : 800613.5/7

122.883+/-0.025 χ^2/NDF : 2116581.0/26

122.381+/-0.018 χ^2/NDF : 4626962.6/54

121.862+/-0.025 χ^2/NDF : 2509535.0/27

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -348.055 ± 83.826 $\chi^2/\text{NDF}: 317.3/16$

Left Out: 1153.929 ± 84.459 $\chi^2/\text{NDF}: 810.7/9$

Right Out: -995.622 ± 77.468 $\chi^2/\text{NDF}: 479.8/19$

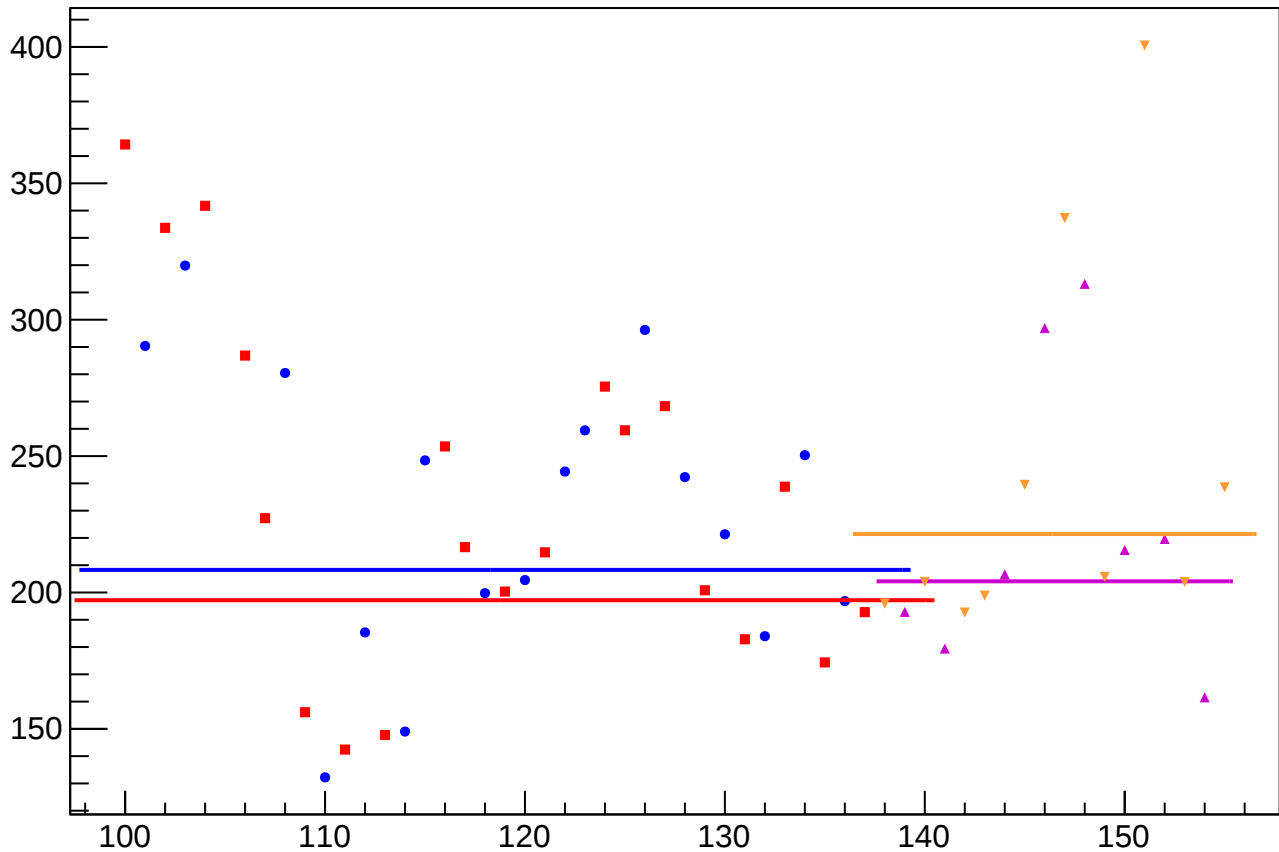
Left In: -355.570 ± 83.593 $\chi^2/\text{NDF}: 486.2/7$

397.288 ± 59.497 $\chi^2/\text{NDF}: 1287.3/26$

-176.539 ± 41.092 $\chi^2/\text{NDF}: 2462.7/54$

-699.900 ± 56.820 $\chi^2/\text{NDF}: 997.6/27$

asym_bpm0l01WS_rms vs Slug, Sign Corrected



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

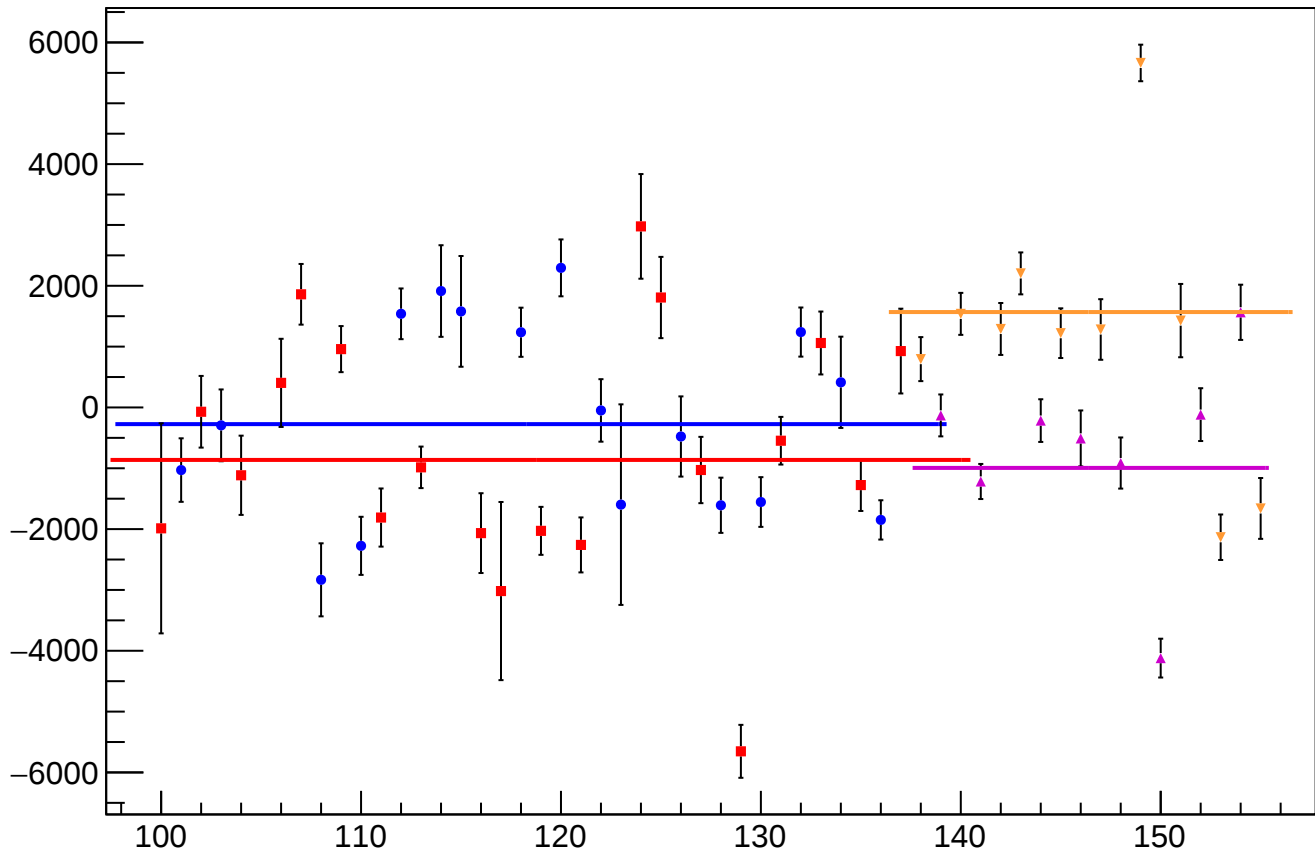
Left In: 204.094 $\pm$ 0.059 χ^2 /NDF: 512391.2/7

214.807 $\pm$ 0.042 χ^2 /NDF: 1320712.6/26

207.253 $\pm$ 0.029 χ^2 /NDF: 2829645.9/54

200.363 $\pm$ 0.040 χ^2 /NDF: 1447284.1/27

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -274.260 ± 121.326 $\chi^2/\text{NDF}: 171.6/16$

Left Out: 1568.179 ± 124.085 $\chi^2/\text{NDF}: 334.9/9$

Right Out: -862.791 ± 114.993 $\chi^2/\text{NDF}: 265.4/19$

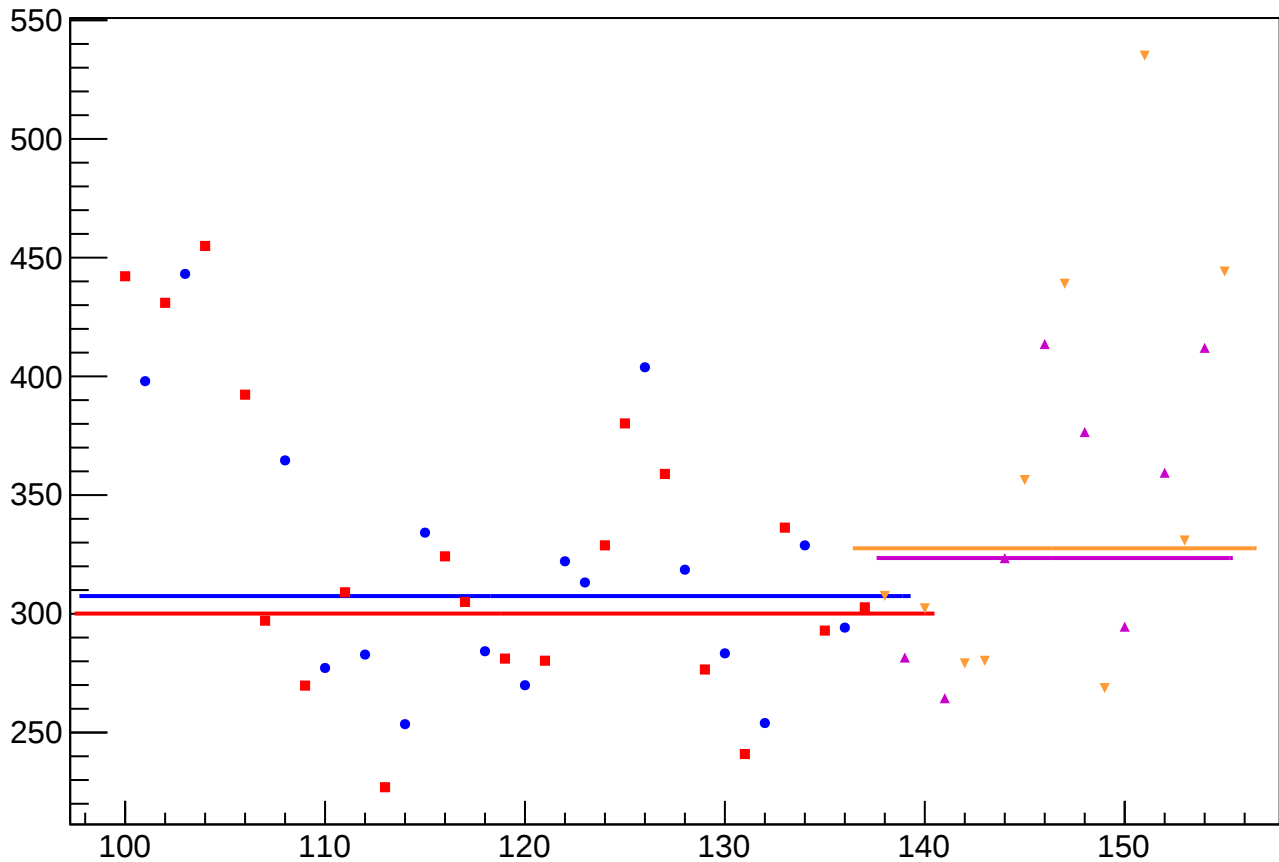
Left In: -993.881 ± 130.239 $\chi^2/\text{NDF}: 144.8/7$

626.244 ± 86.750 $\chi^2/\text{NDF}: 619.2/26$

-151.892 ± 61.146 $\chi^2/\text{NDF}: 1189.9/54$

-920.217 ± 86.201 $\chi^2/\text{NDF}: 410.8/27$

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 307.468 $\pm$ 0.086 χ^2 /NDF: 323096.7/16

Left Out: 327.588 $\pm$ 0.088 χ^2 /NDF: 613085.2/9

Right Out: 300.100 $\pm$ 0.081 χ^2 /NDF: 490421.6/19

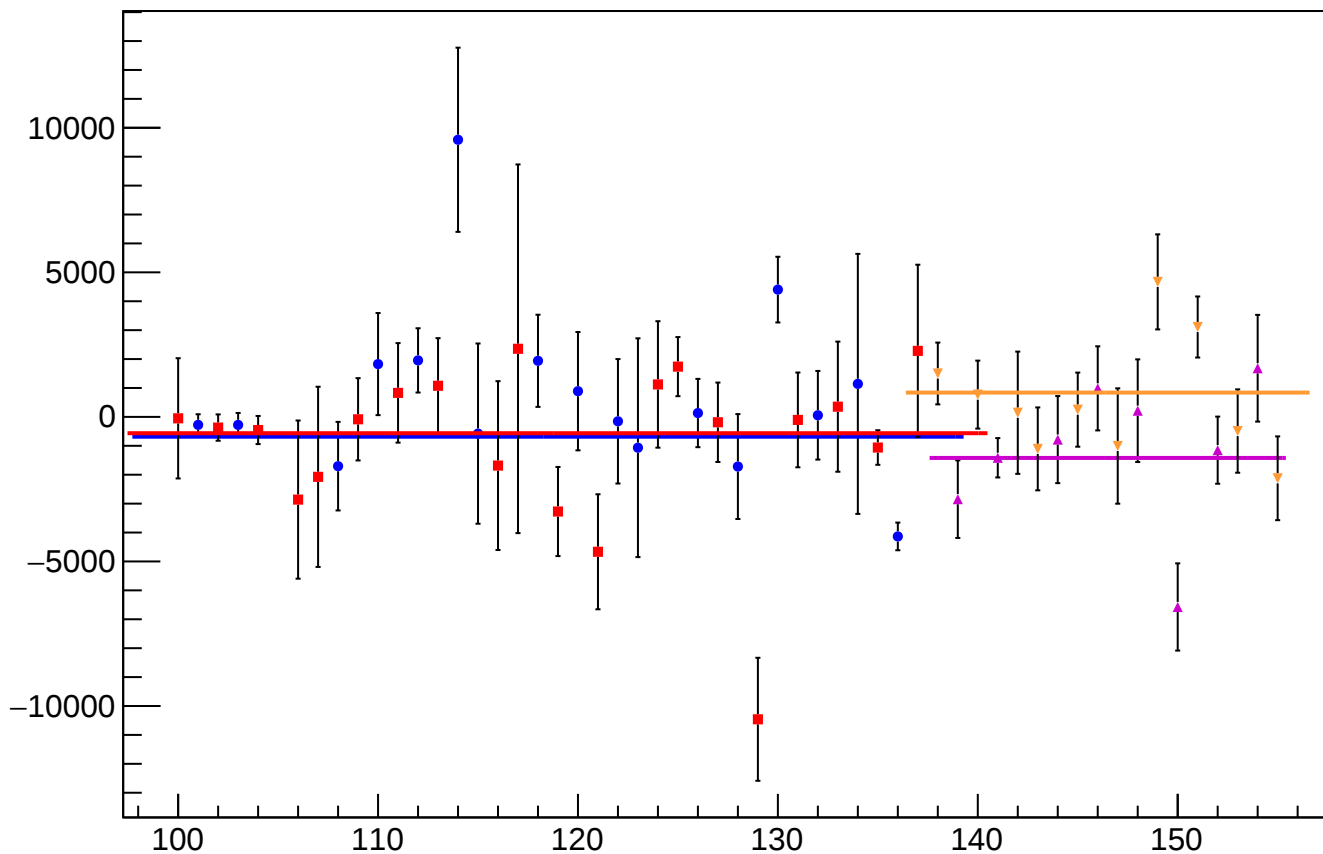
Left In: 323.490 $\pm$ 0.092 χ^2 /NDF: 328395.7/7

317.302 $\pm$ 0.061 χ^2 /NDF: 963064.6/26

313.802 $\pm$ 0.043 χ^2 /NDF: 1824599.0/54

310.346 $\pm$ 0.061 χ^2 /NDF: 855065.0/27

asym_bpm0l03WS_mean vs Slug, Sign Corrected



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

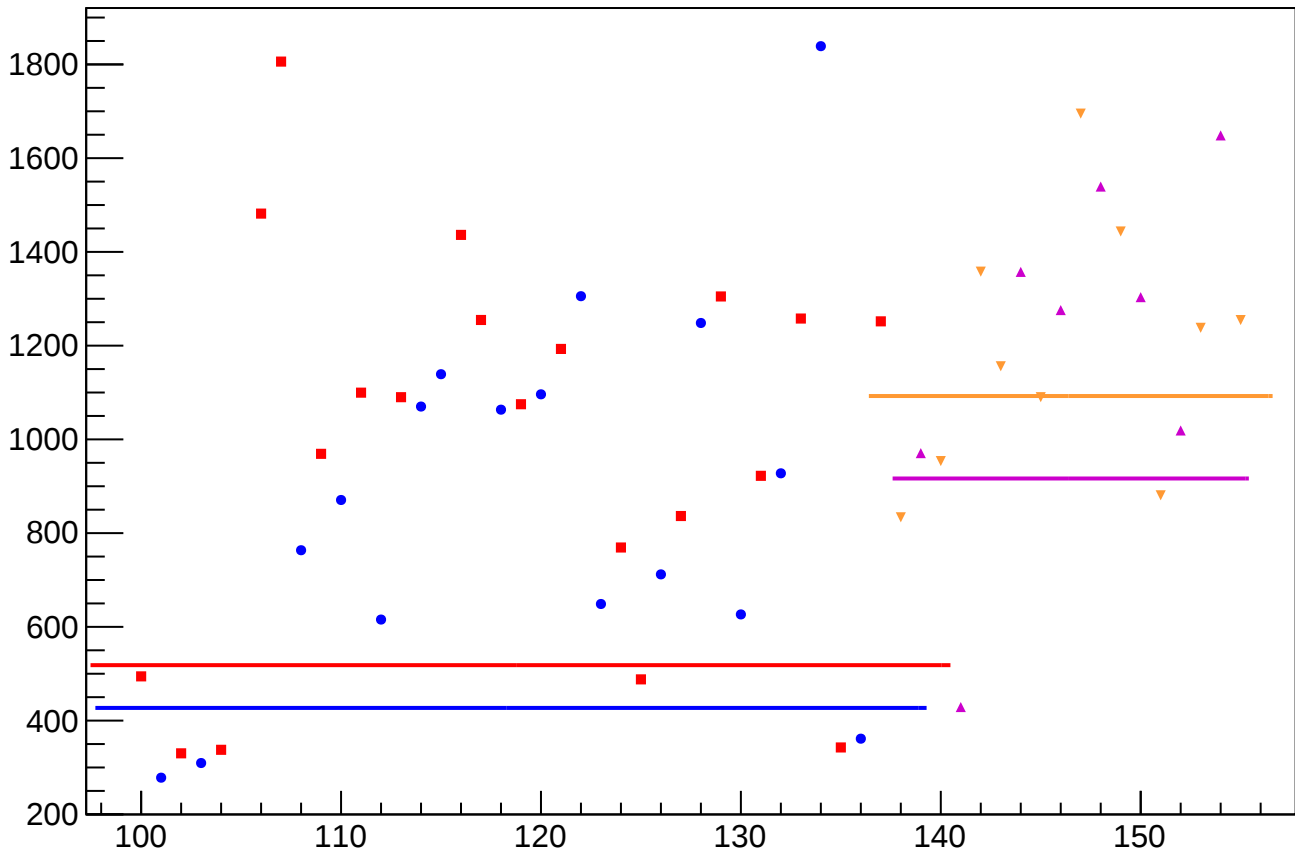
Left In: -1419.625+/-429.535 χ^2/NDF : 19.4/7

-391.070+/-188.994 χ^2/NDF : 126.0/26

-560.084+/-140.941 χ^2/NDF : 190.2/54

-771.847+/-211.550 χ^2/NDF : 62.4/27

asym_bpm0l03WS_rms vs Slug, Sign Corrected



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

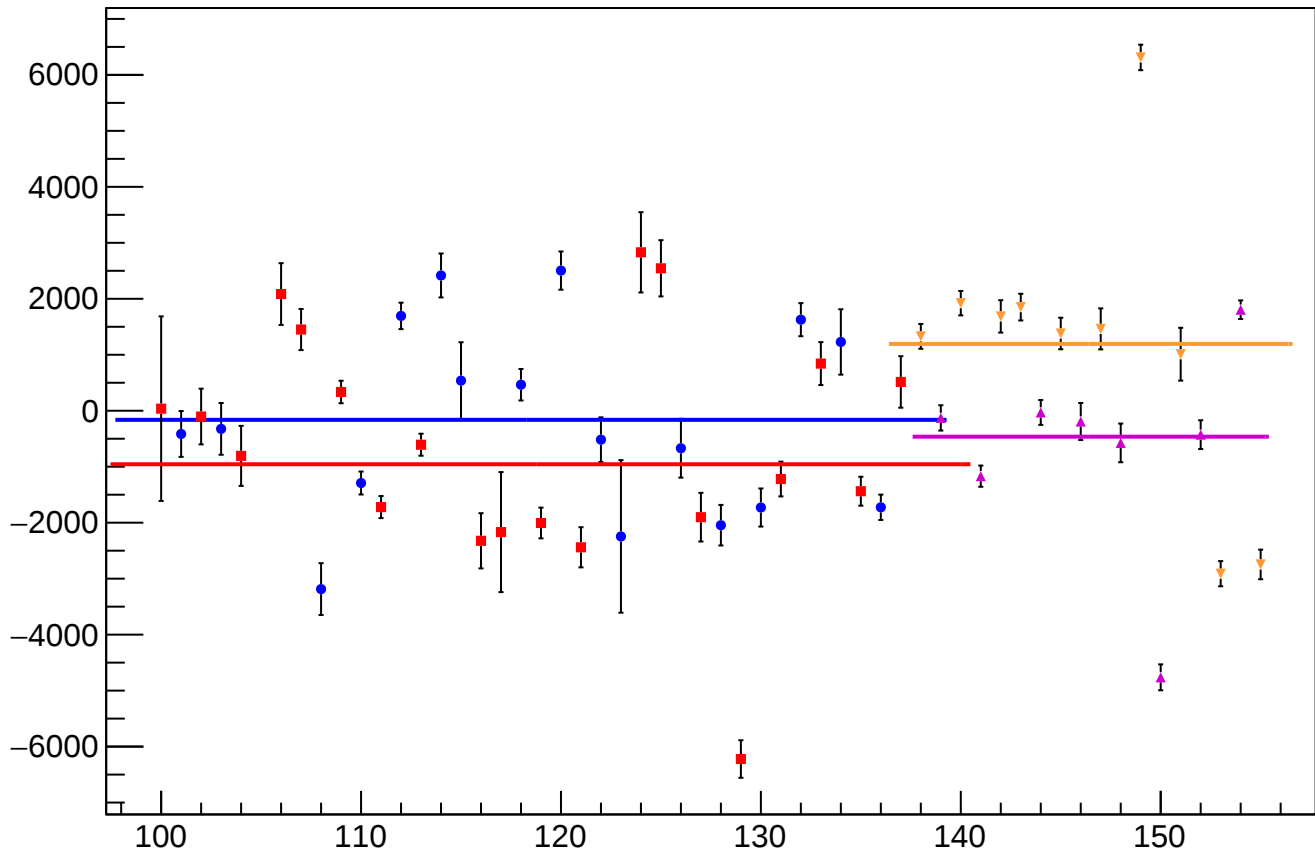
Left In: 916.558+/-0.304 χ^2/NDF : 2031135.1/7

555.289+/-0.134 χ^2/NDF : 7302361.1/26

581.752+/-0.100 χ^2/NDF : 14355919.4/54

614.908+/-0.150 χ^2/NDF : 6965218.5/27

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -162.333 $\pm$ 82.350 χ^2/NDF : 387.6/16

Left Out: 1193.851 $\pm$ 81.995 χ^2/NDF : 1082.1/9

Right Out: -956.044 $\pm$ 74.949 χ^2/NDF : 541.1/19

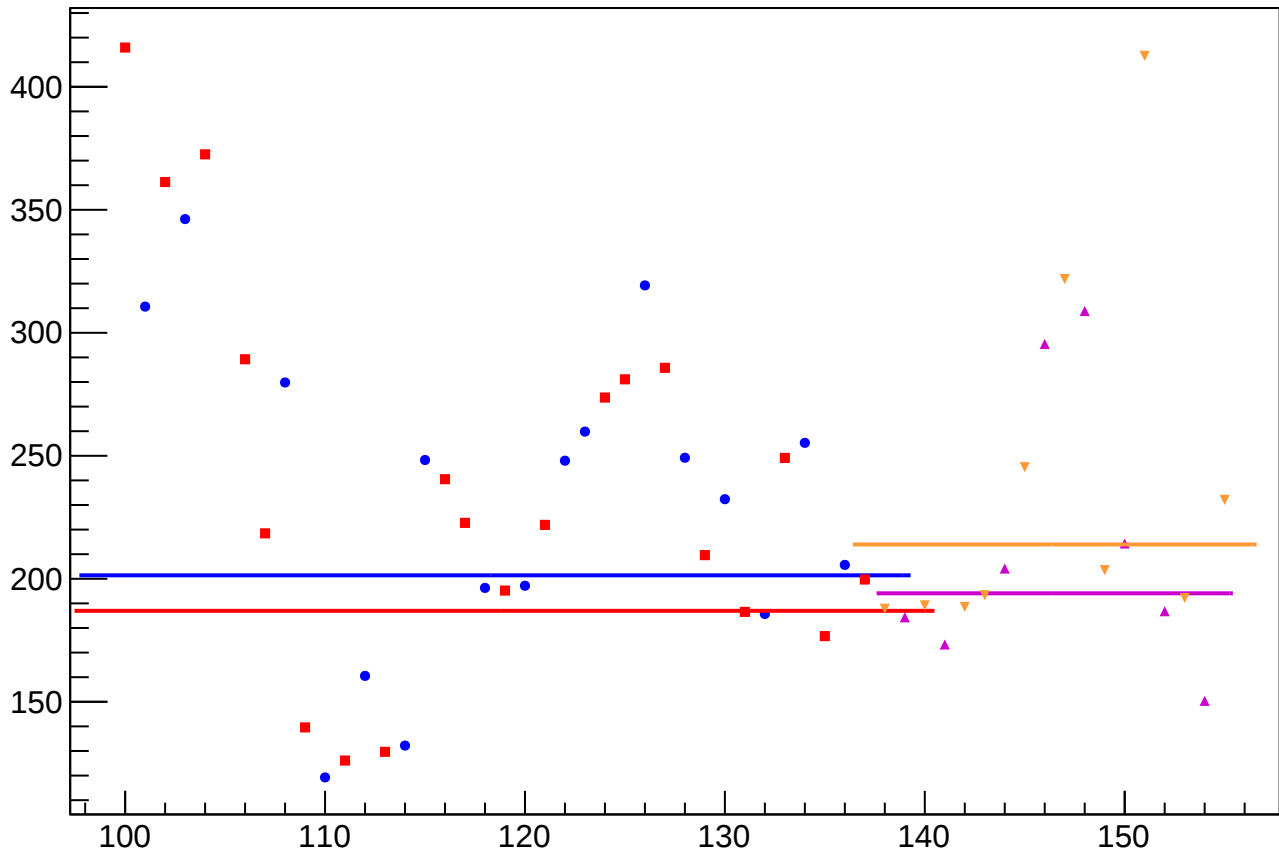
Left In: -463.374 $\pm$ 80.223 χ^2/NDF : 553.0/7

518.690 $\pm$ 58.104 χ^2/NDF : 1605.9/26

-140.658 $\pm$ 39.854 χ^2/NDF : 2963.2/54

-726.433 $\pm$ 54.767 χ^2/NDF : 1114.2/27

asym_bpm0l04WS_rms vs Slug, Sign Corrected



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

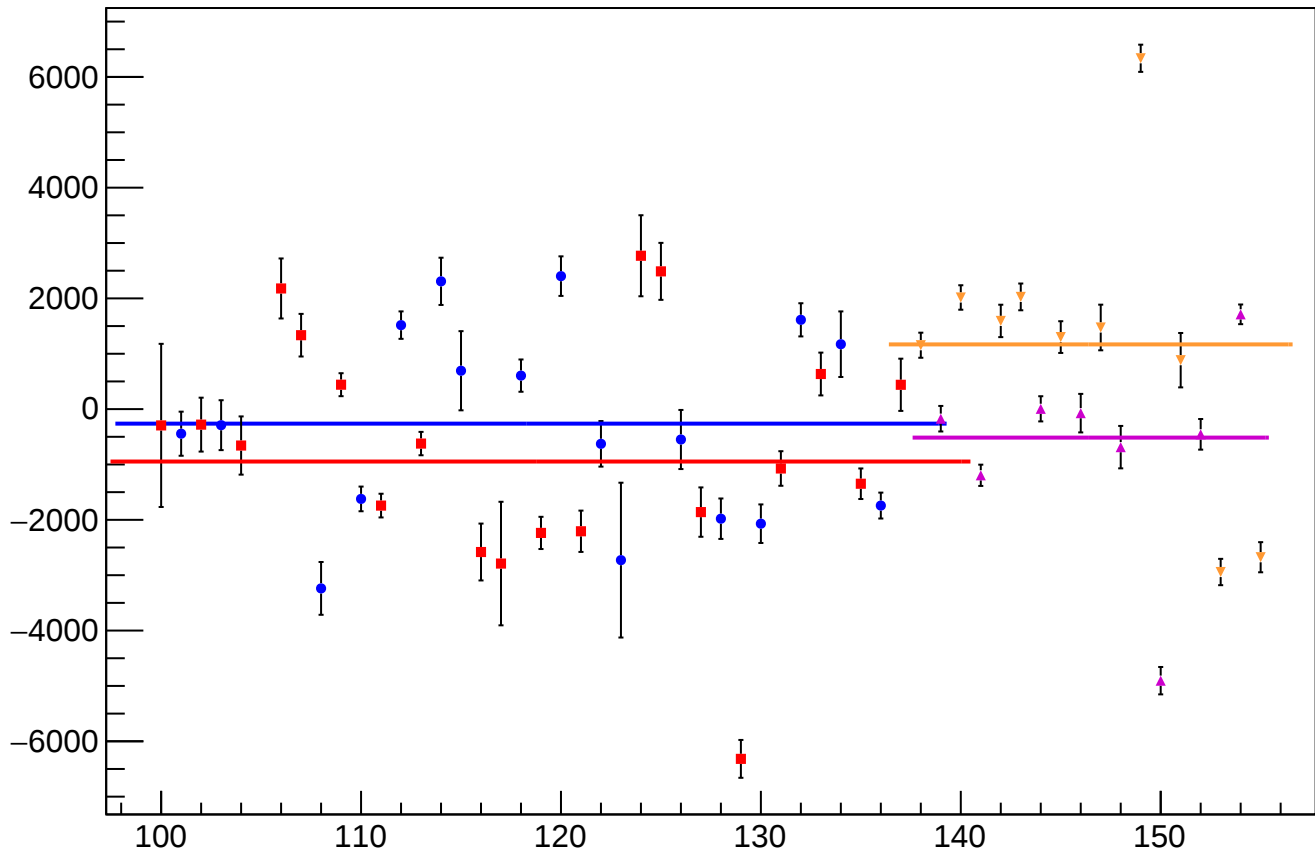
Left In: 194.097+/-0.057 χ^2/NDF : 596134.0/7

207.712+/-0.041 χ^2/NDF : 1748367.1/26

198.488+/-0.028 χ^2/NDF : 3843503.3/54

190.293+/-0.039 χ^2/NDF : 1999954.0/27

asym_bpm0l05WS_mean vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 524.6/19$

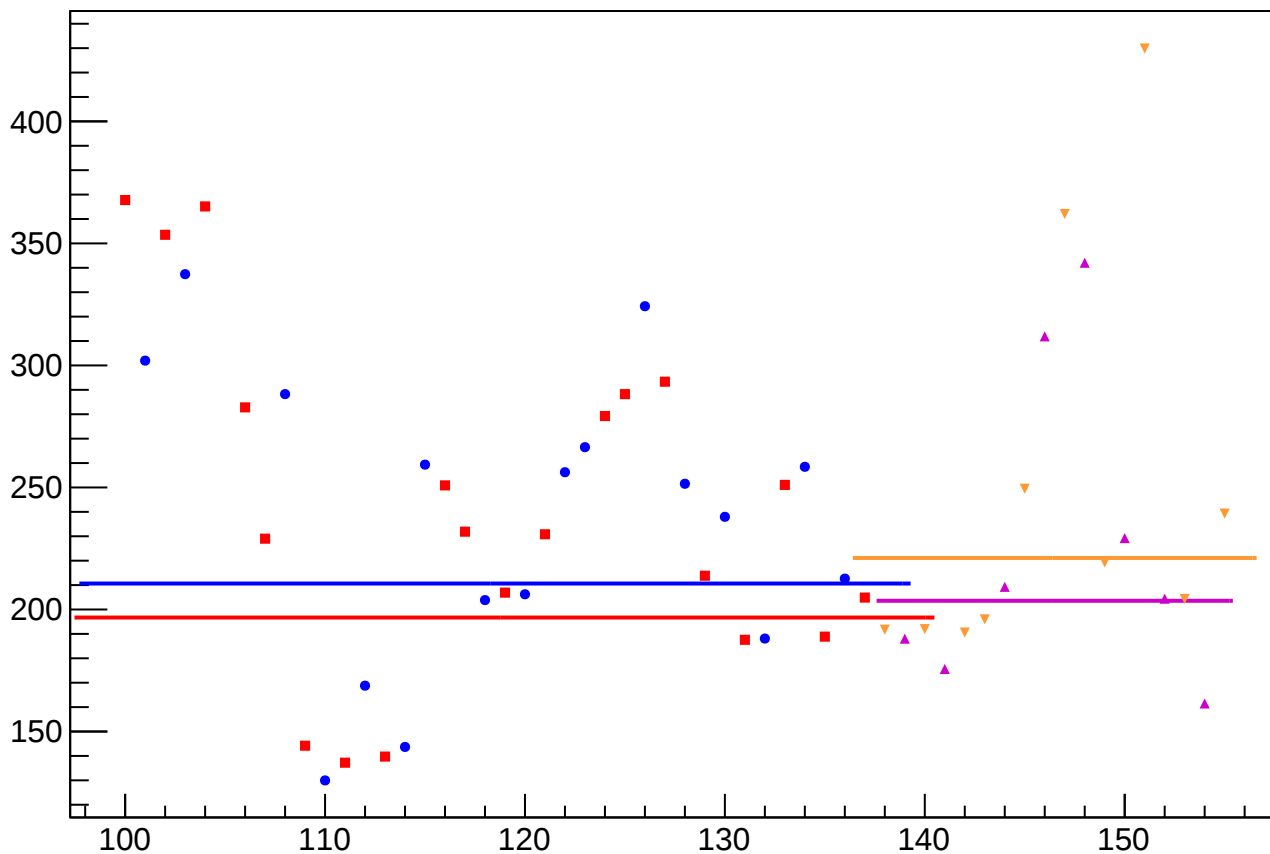
Left In: -514.666 ± 84.102 $\chi^2/\text{NDF}: 493.6/7$

457.813 ± 60.219 $\chi^2/\text{NDF}: 1481.7/26$

-174.296 ± 41.505 $\chi^2/\text{NDF}: 2724.1/54$

-746.306 ± 57.285 $\chi^2/\text{NDF}: 1032.4/27$

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 210.636 $\pm$ 0.060 χ^2 /NDF: 875776.4/16

Left Out: 221.110 $\pm$ 0.060 χ^2 /NDF: 745467.2/9

Right Out: 196.702 $\pm$ 0.055 χ^2 /NDF: 1207089.6/19

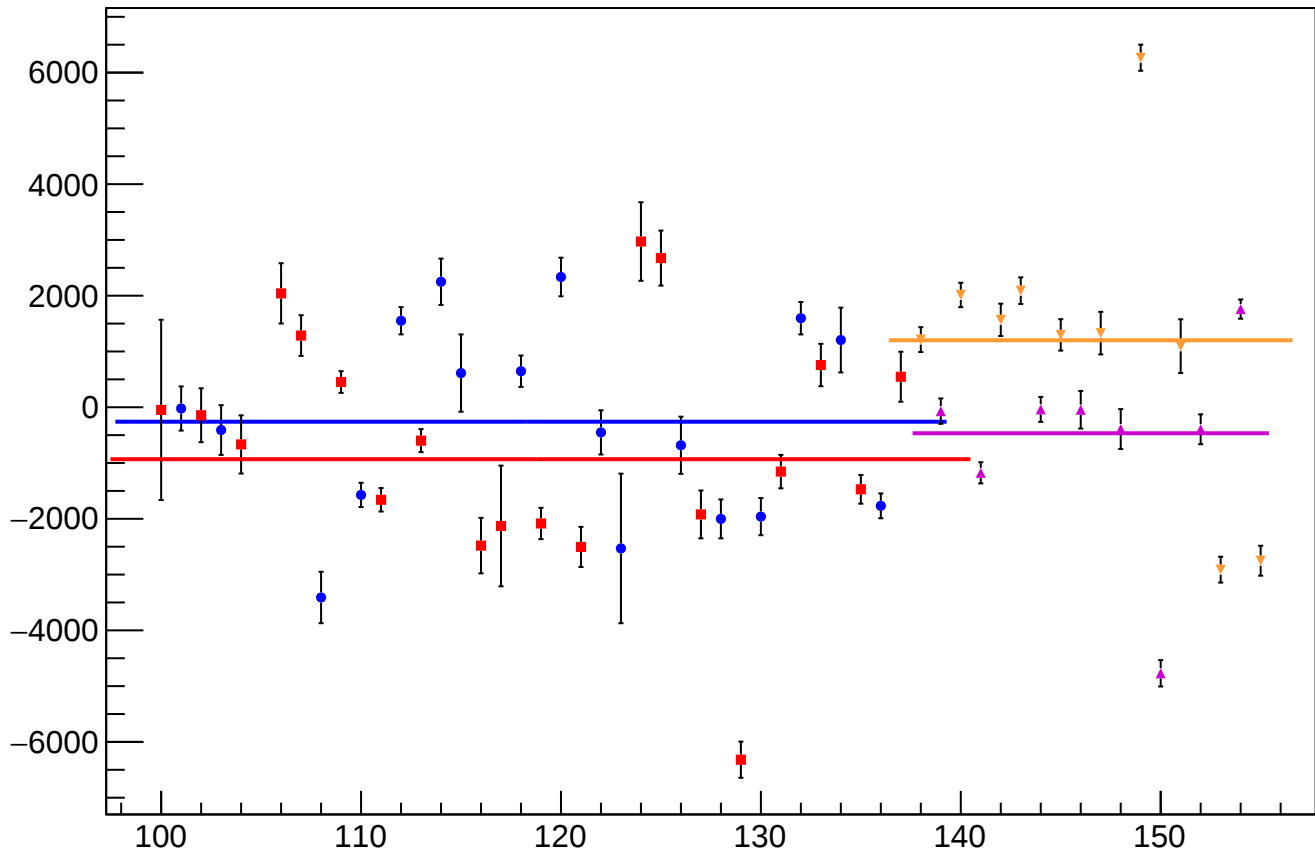
Left In: 203.566 $\pm$ 0.059 χ^2 /NDF: 641476.1/7

215.906 $\pm$ 0.043 χ^2 /NDF: 1636370.1/26

207.496 $\pm$ 0.029 χ^2 /NDF: 3566377.5/54

199.886 $\pm$ 0.041 χ^2 /NDF: 1855706.2/27

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -259.139 $\pm$ 82.802 χ^2/NDF : 391.2/16

Left Out: 1200.817 $\pm$ 83.001 χ^2/NDF : 1030.0/9

Right Out: -931.363 $\pm$ 75.320 χ^2/NDF : 583.1/19

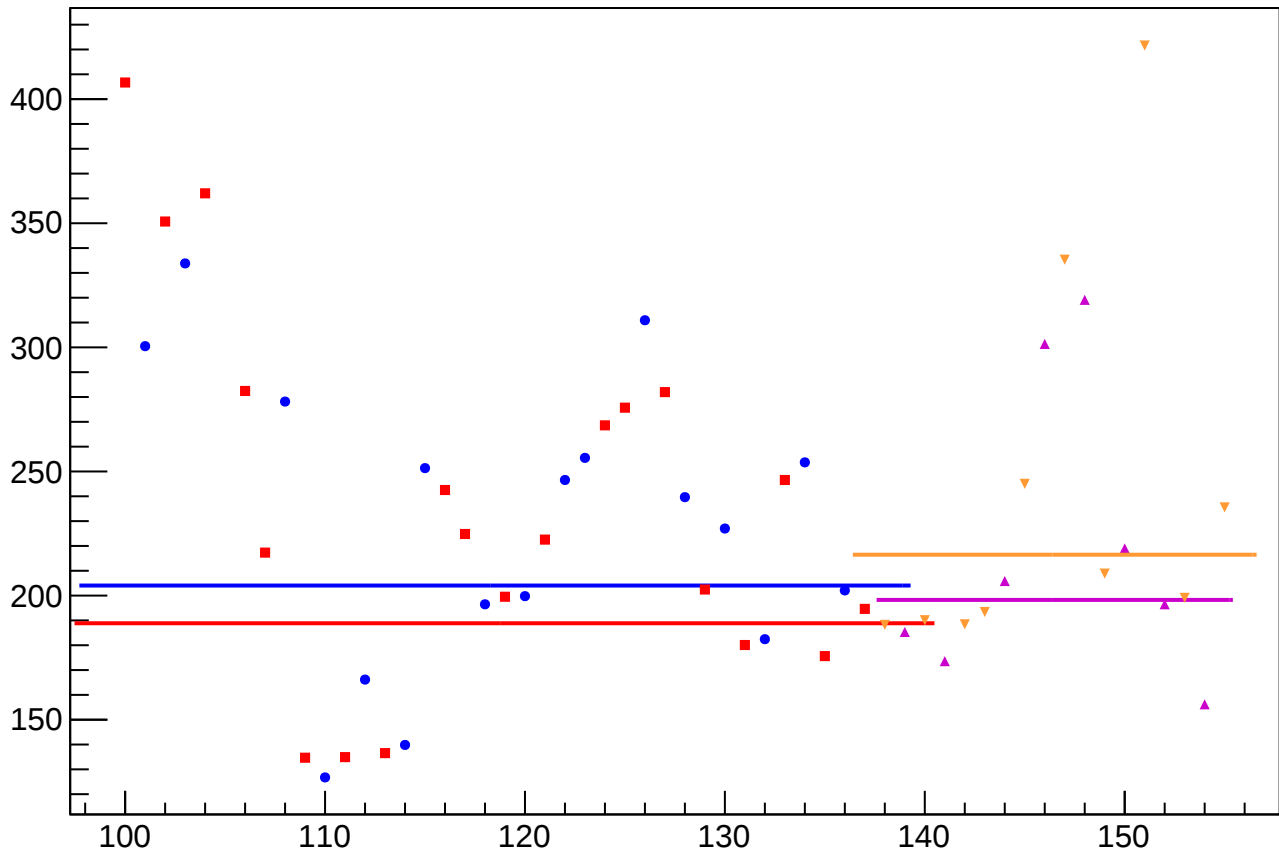
Left In: -466.311 $\pm$ 81.840 χ^2/NDF : 521.0/7

469.086 $\pm$ 58.620 χ^2/NDF : 1576.3/26

-157.778 $\pm$ 40.272 χ^2/NDF : 2914.5/54

-718.098 $\pm$ 55.421 χ^2/NDF : 1121.6/27

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 204.051 $\pm$ 0.059 χ^2 /NDF: 868423.0/16

Left Out: 216.467 $\pm$ 0.059 χ^2 /NDF: 698959.2/9

Right Out: 188.856 $\pm$ 0.053 χ^2 /NDF: 1253327.1/19

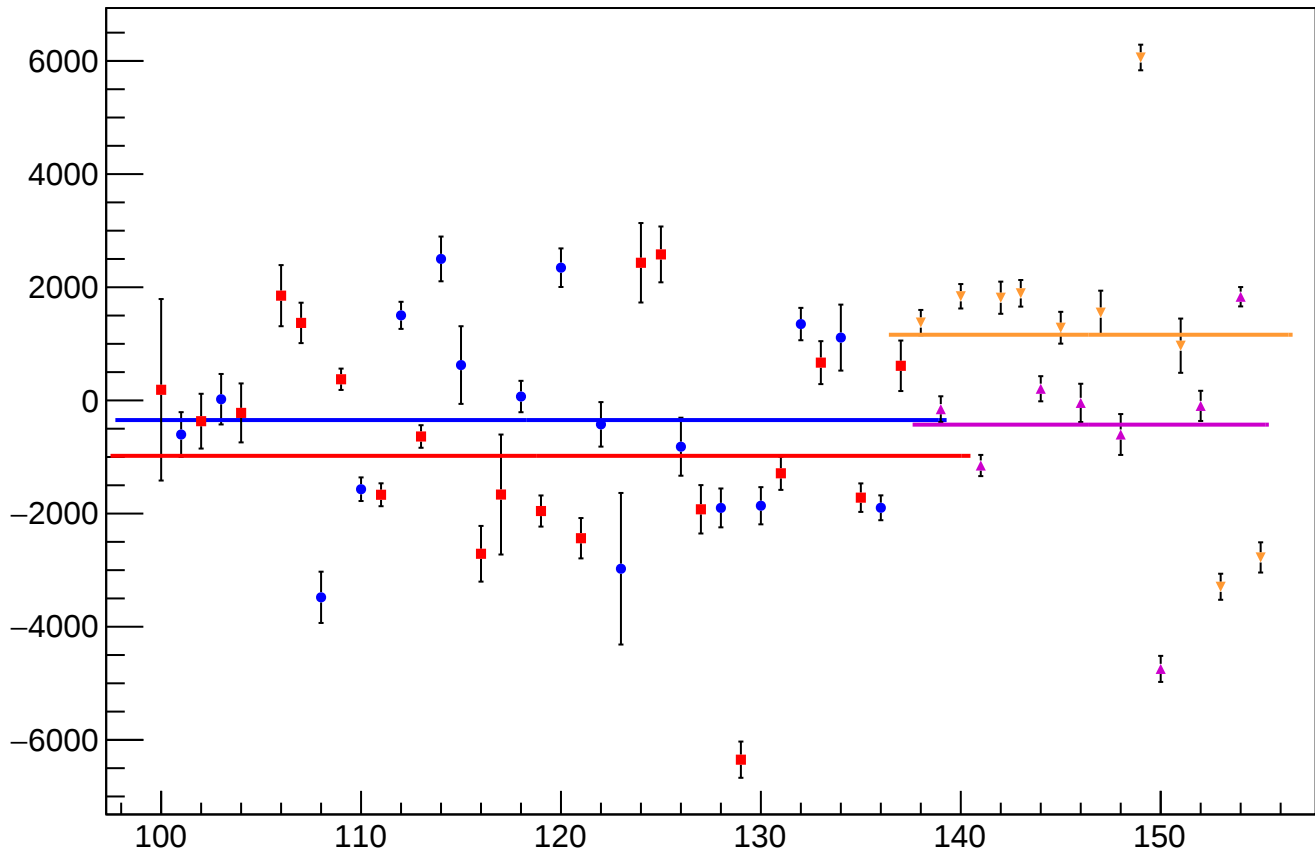
Left In: 198.258 $\pm$ 0.058 χ^2 /NDF: 593641.9/7

210.244 $\pm$ 0.041 χ^2 /NDF: 1589813.1/26

201.227 $\pm$ 0.028 χ^2 /NDF: 3540696.4/54

193.167 $\pm$ 0.039 χ^2 /NDF: 1861260.7/27

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.240 ± 81.318 χ^2/NDF : 399.1/16

Left Out: 1160.732 ± 82.199 χ^2/NDF : 1086.2/9

Right Out: -979.606 ± 73.710 χ^2/NDF : 586.1/19

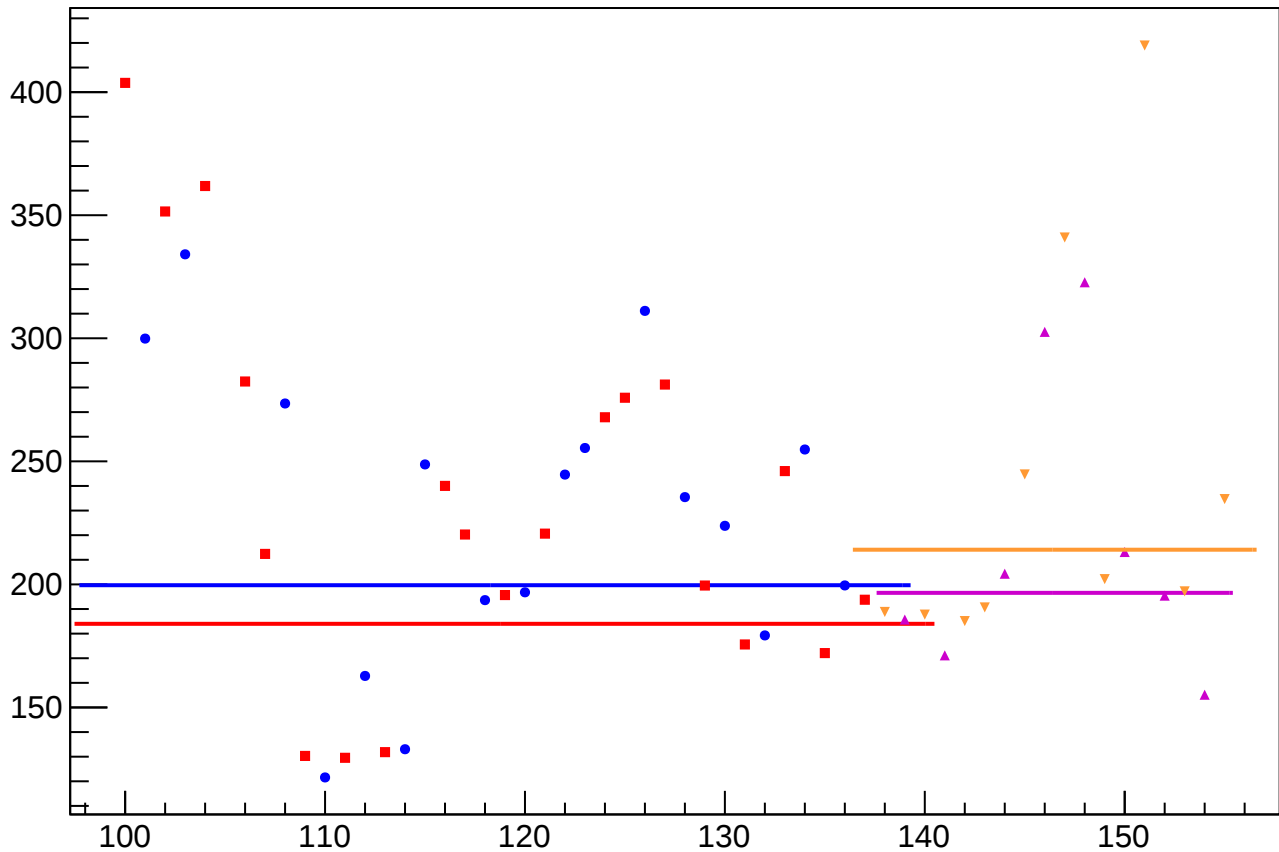
Left In: -428.293 ± 81.205 χ^2/NDF : 554.3/7

398.620 ± 57.809 χ^2/NDF : 1655.4/26

-198.400 ± 39.686 χ^2/NDF : 3022.8/54

-730.561 ± 54.579 χ^2/NDF : 1165.6/27

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 199.669 +/- 0.058 χ^2/NDF : 943155.1/16

Left Out: 214.096 +/- 0.058 χ^2/NDF : 727007.6/9

Right Out: 183.984 +/- 0.052 χ^2/NDF : 1351978.1/19

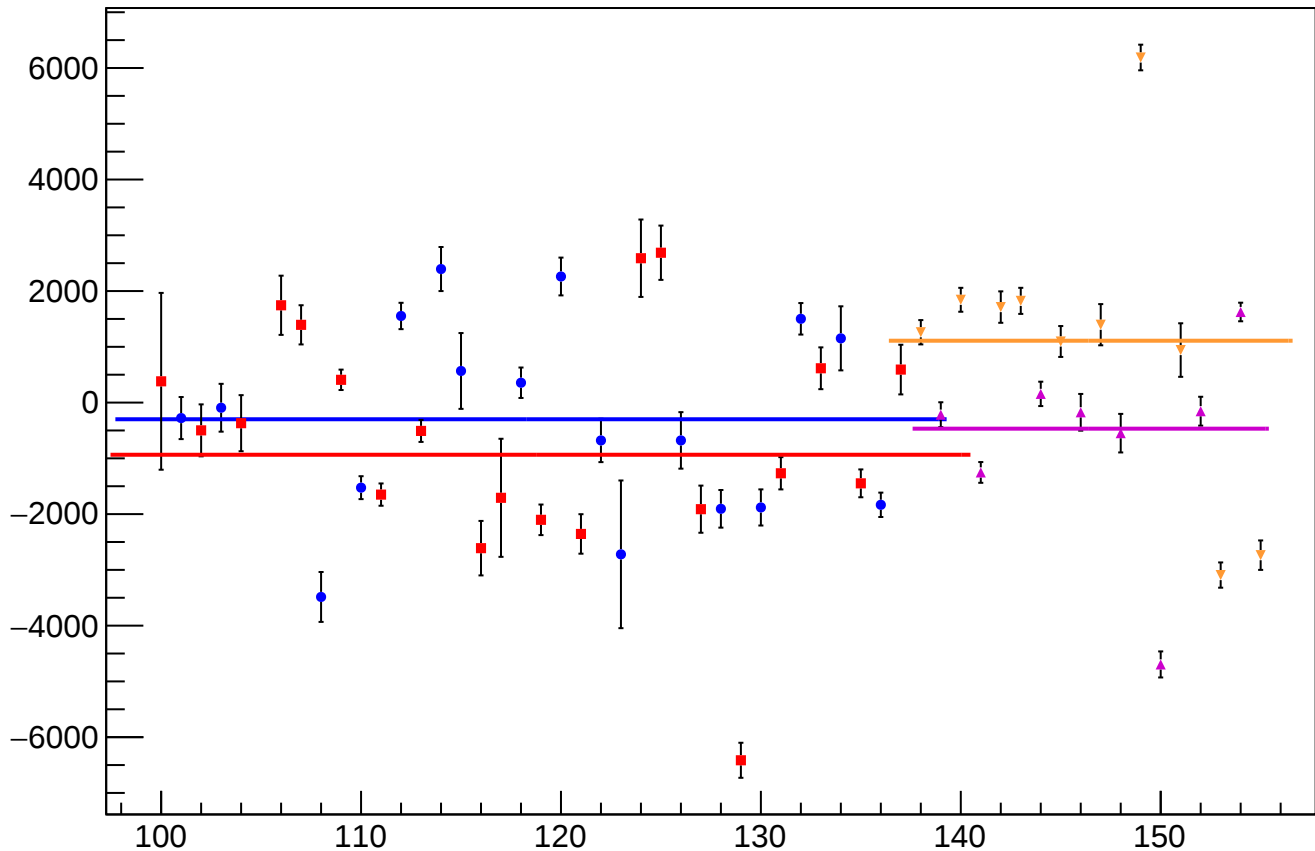
Left In: 196.567 +/- 0.057 χ^2/NDF : 611903.7/7

206.805 +/- 0.041 χ^2/NDF : 1701298.3/26

197.744 +/- 0.028 χ^2/NDF : 3784423.8/54

189.668 +/- 0.039 χ^2/NDF : 1990209.5/27

asym_bpm0l08WS_mean vs Slug, Sign Corrected



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

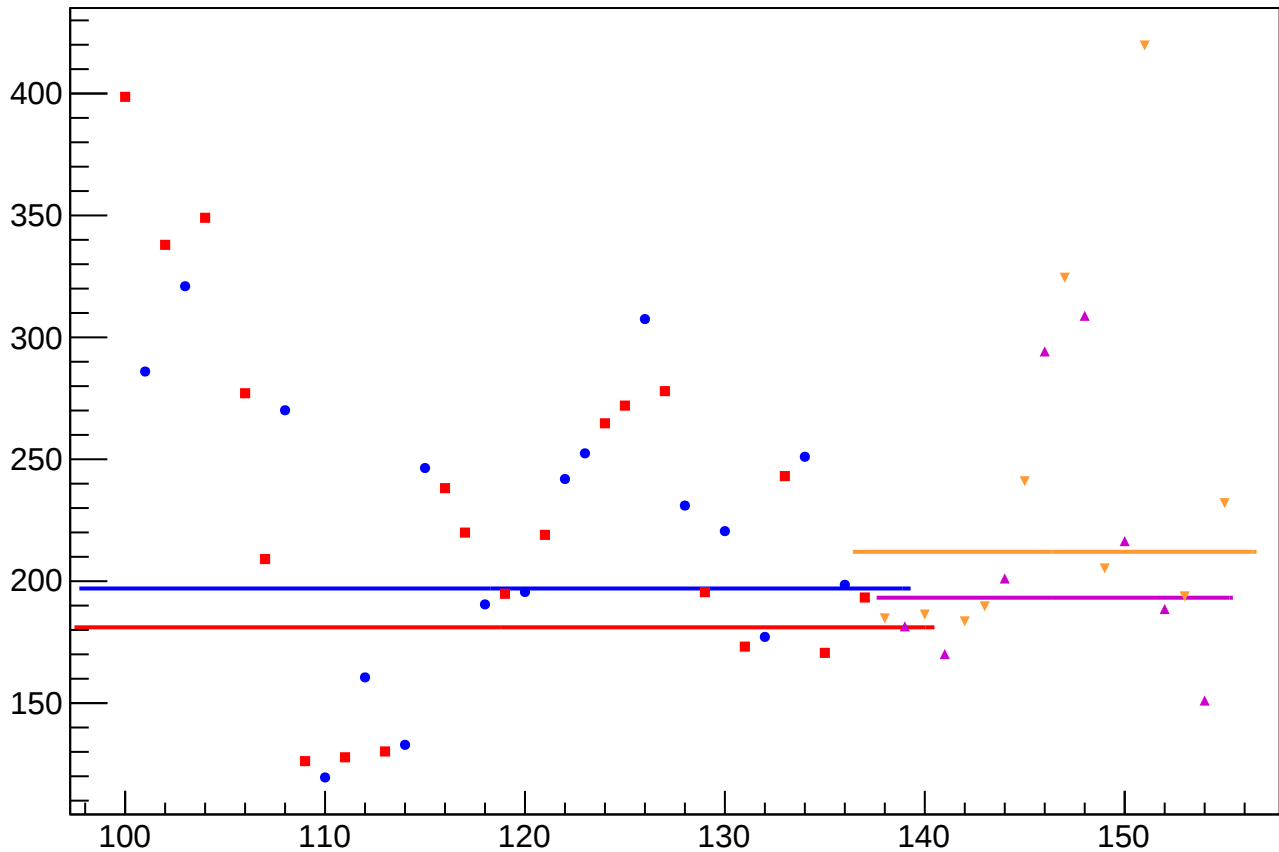
Left In: -467.733 ± 79.866 χ^2/NDF : 514.6/7

394.716 ± 57.105 χ^2/NDF : 1629.3/26

-198.803 ± 39.125 χ^2/NDF : 2981.6/54

-723.919 ± 53.713 χ^2/NDF : 1148.7/27

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 197.013 $\pm$ 0.057 χ^2 /NDF: 911923.5/16

Left Out: 212.063 $\pm$ 0.058 χ^2 /NDF: 706101.8/9

Right Out: 181.089 $\pm$ 0.051 χ^2 /NDF: 1348390.5/19

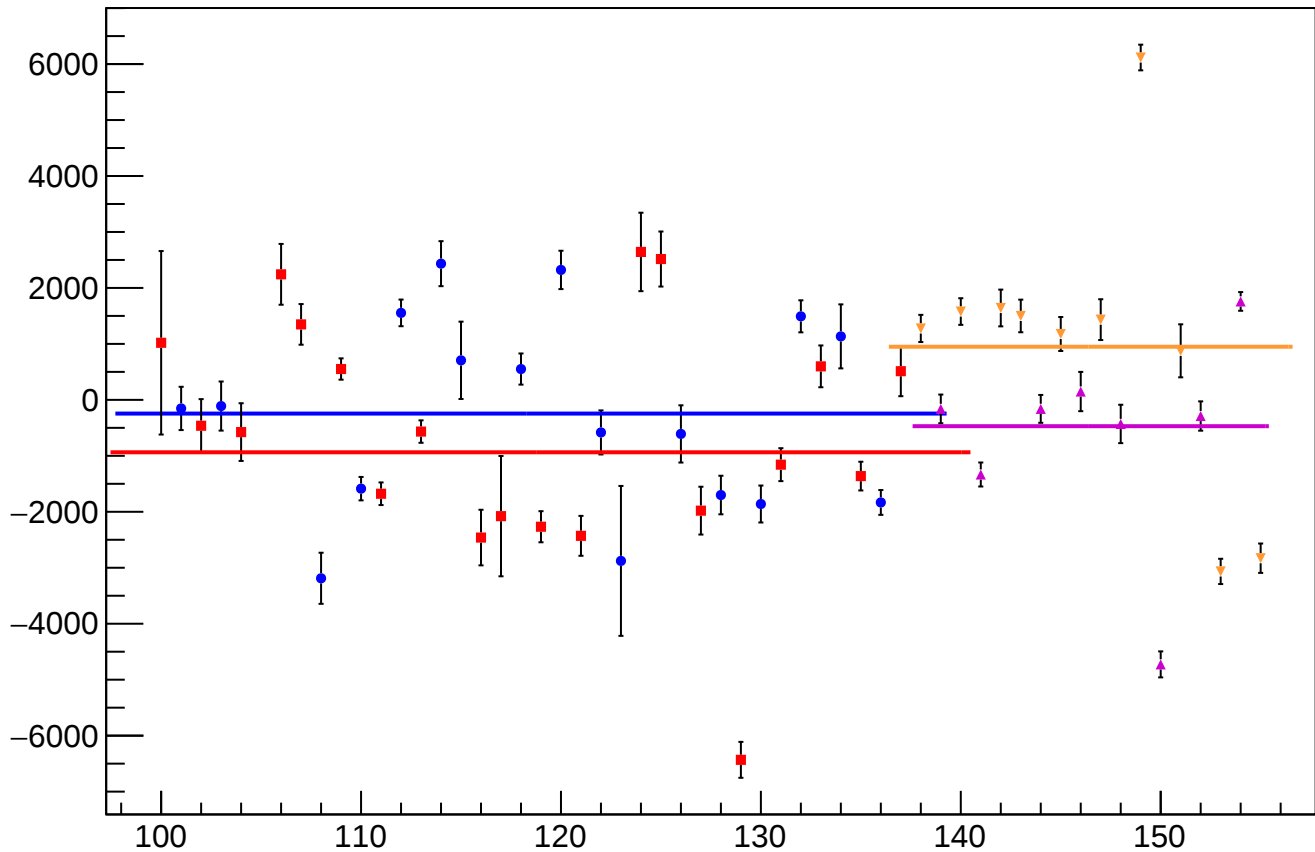
Left In: 193.226 $\pm$ 0.056 χ^2 /NDF: 599292.8/7

204.426 $\pm$ 0.040 χ^2 /NDF: 1652744.2/26

194.957 $\pm$ 0.028 χ^2 /NDF: 3729367.4/54

186.579 $\pm$ 0.038 χ^2 /NDF: 1972978.9/27

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -244.925 $\pm$ 81.395 χ^2 /NDF: 391.4/16

Left Out: 949.233 $\pm$ 87.146 χ^2 /NDF:1050.0/9

Right Out: -936.709 $\pm$ 74.030 χ^2 /NDF: 610.9/19

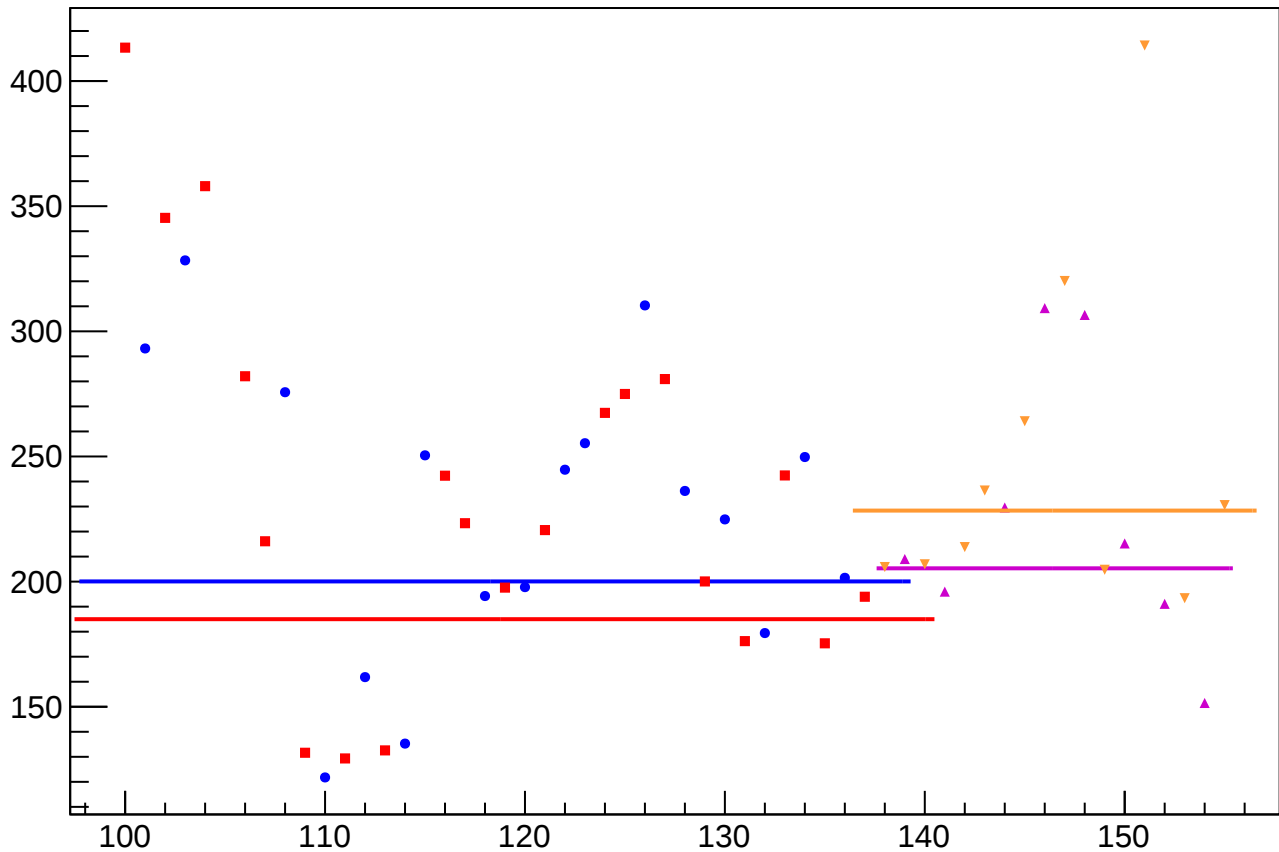
Left In: -470.428 $\pm$ 84.945 χ^2 /NDF:536.3/7

311.451 $\pm$ 59.484 χ^2 /NDF: 1541.7/26

-245.326 $\pm$ 40.700 χ^2 /NDF: 2870.7/54

-735.433 $\pm$ 55.810 χ^2 /NDF: 1164.3/27

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 200.078+/-0.058 χ^2/NDF : 918309.2/16

Left Out: 228.379+/-0.062 χ^2/NDF : 570643.2/9

Right Out: 184.990+/-0.052 χ^2/NDF : 1320825.4/19

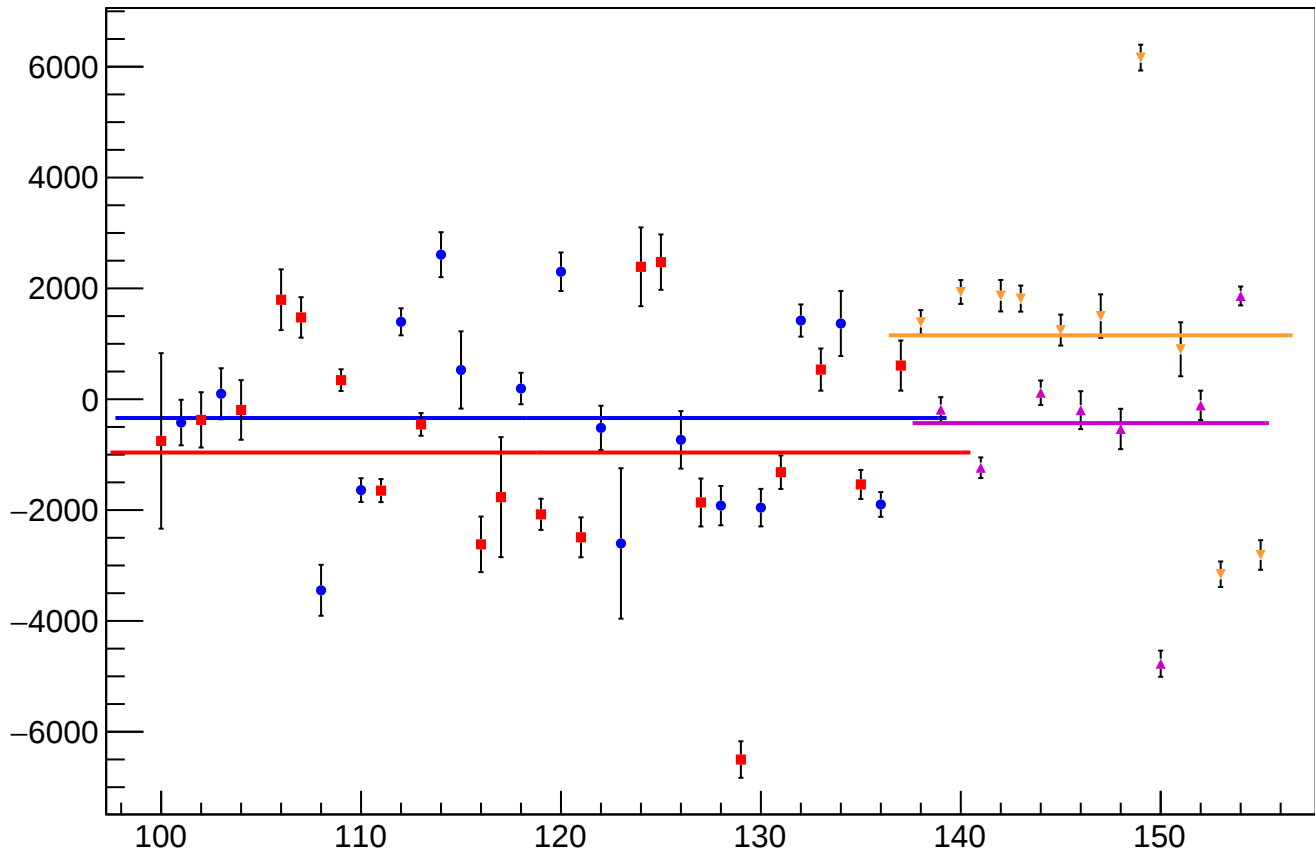
Left In: 205.310+/-0.060 χ^2/NDF : 590031.5/7

213.264+/-0.042 χ^2/NDF : 1601604.9/26

202.892+/-0.029 χ^2/NDF : 3691844.7/54

193.761+/-0.039 χ^2/NDF : 1975901.0/27

asym_bpm0l10WS_mean vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 570.9/19$

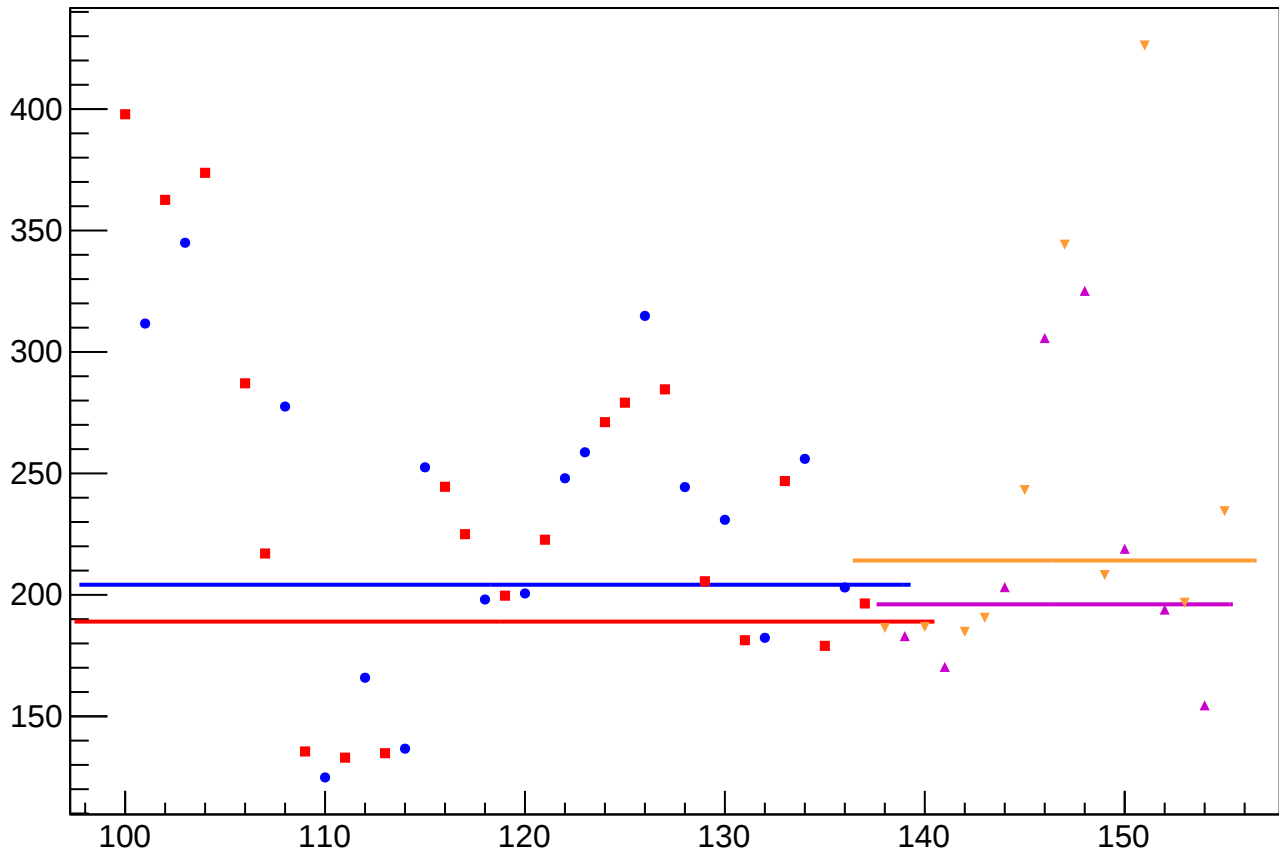
Left In: -430.352 ± 81.158 $\chi^2/\text{NDF}: 546.8/7$

414.644 ± 58.492 $\chi^2/\text{NDF}: 1614.9/26$

-181.741 ± 40.186 $\chi^2/\text{NDF}: 2952.4/54$

-714.891 ± 55.304 $\chi^2/\text{NDF}: 1140.7/27$

asym_bpm0l10WS_rms vs Slug, Sign Corrected



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

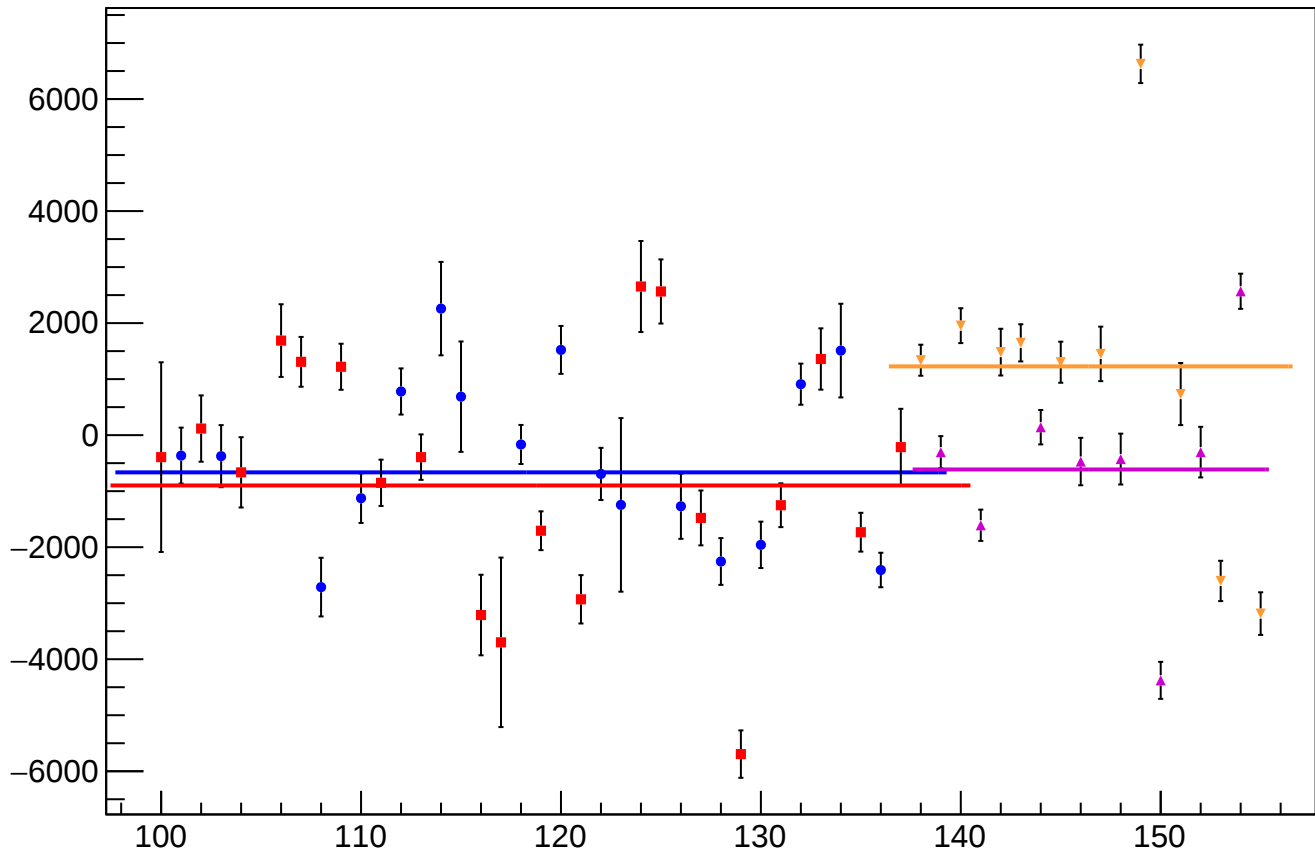
Left In: 196.104 +/- 0.057 χ^2/NDF : 642102.1/7

209.214 +/- 0.041 χ^2/NDF : 1712341.0/26

200.282 +/- 0.028 χ^2/NDF : 3768094.5/54

192.297 +/- 0.039 χ^2/NDF : 1967429.0/27

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -664.383 ± 113.949 χ^2/NDF : 154.3/16

Left Out: 1227.381 ± 114.528 χ^2/NDF : 504.4/9

Right Out: -898.290 ± 110.578 χ^2/NDF : 323.5/19

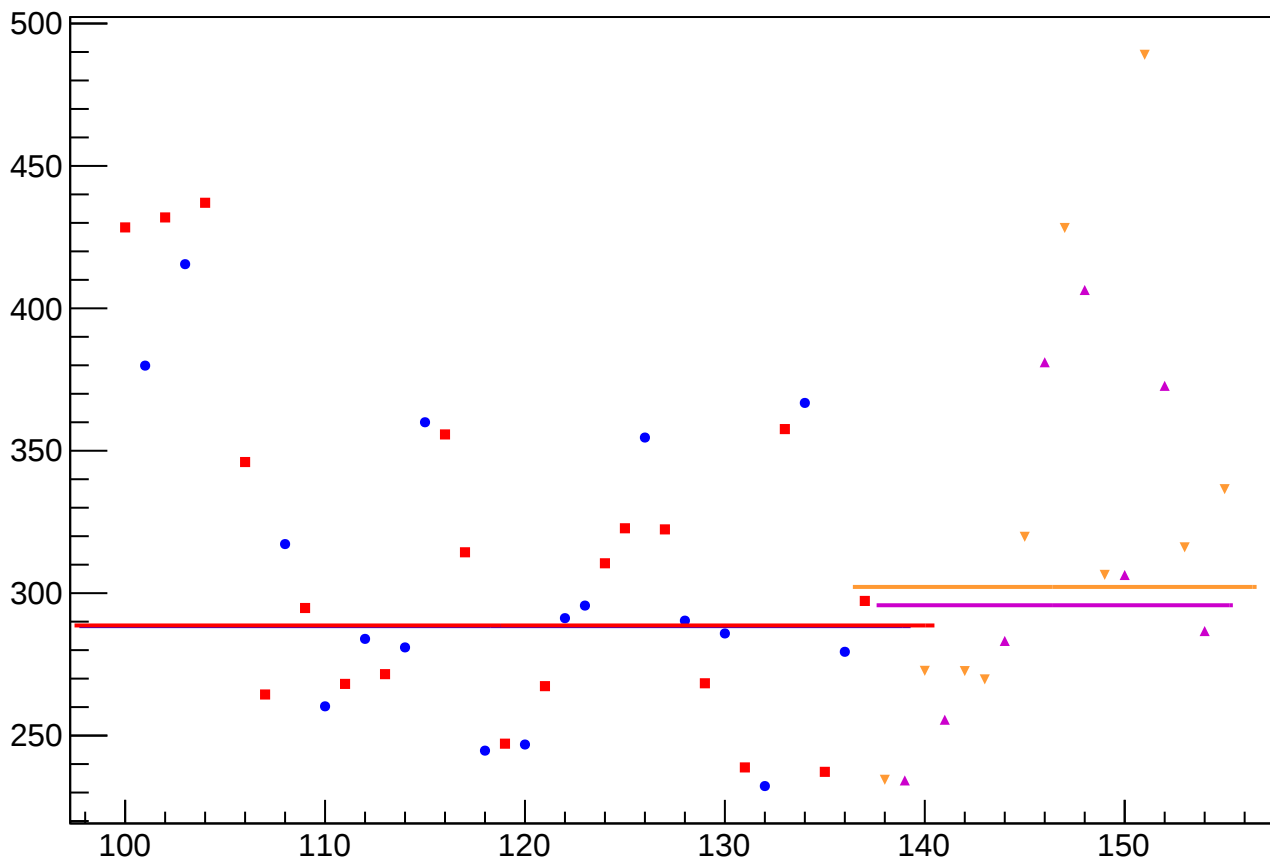
Left In: -612.768 ± 119.332 χ^2/NDF : 253.2/7

276.701 ± 80.778 χ^2/NDF : 795.9/26

-242.710 ± 57.235 χ^2/NDF : 1458.7/54

-766.384 ± 81.109 χ^2/NDF : 579.8/27

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 288.428 $\pm$ 0.081 χ^2 /NDF: 339820.0/16

Left Out: 302.189 $\pm$ 0.081 χ^2 /NDF: 552063.6/9

Right Out: 288.660 $\pm$ 0.078 χ^2 /NDF: 455989.7/19

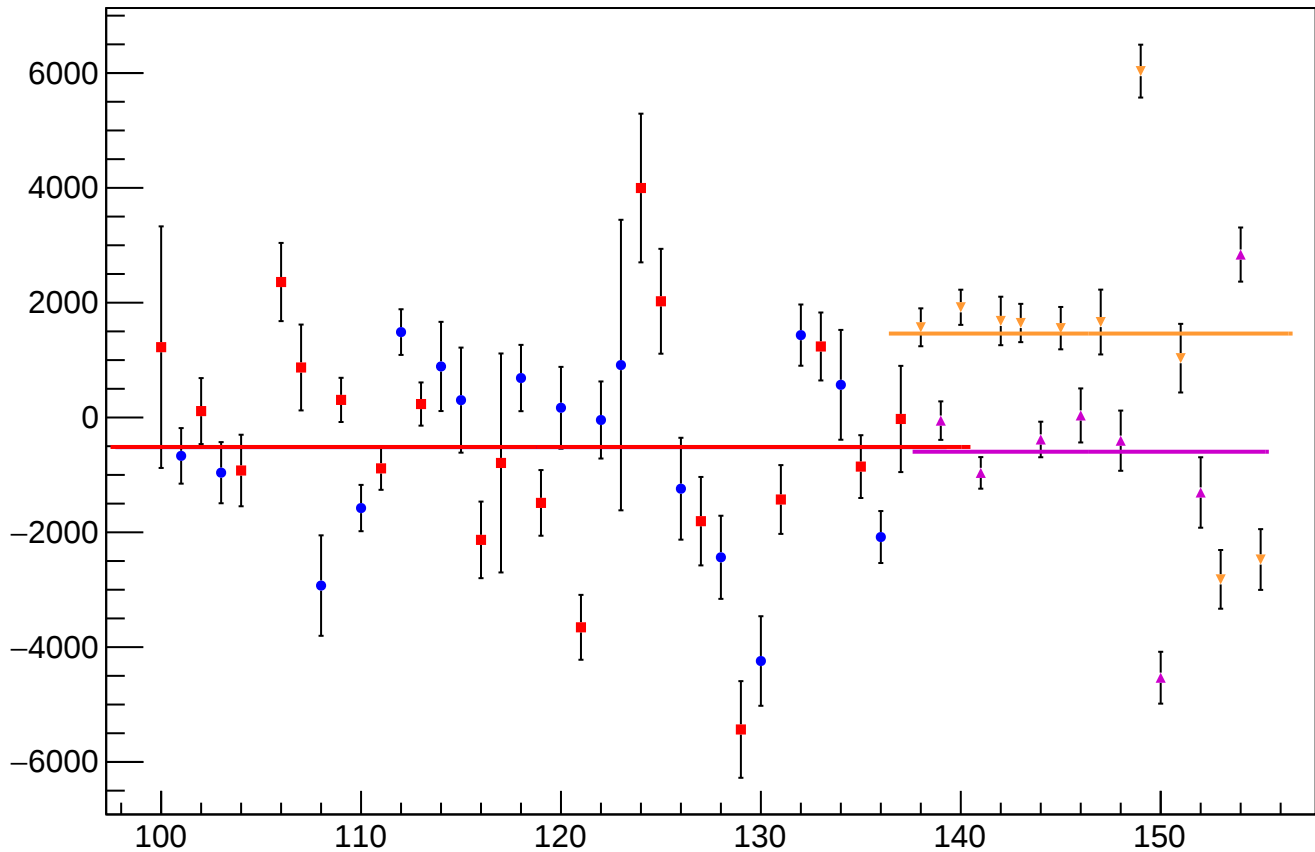
Left In: 295.757 $\pm$ 0.084 χ^2 /NDF: 398818.9/7

295.274 $\pm$ 0.057 χ^2 /NDF: 906394.0/26

293.613 $\pm$ 0.040 χ^2 /NDF: 1766706.3/54

291.938 $\pm$ 0.057 χ^2 /NDF: 858614.3/27

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -515.894 $\pm$ 147.326 χ^2/NDF : 108.0/16

Left Out: 1462.221 $\pm$ 129.303 χ^2/NDF : 227.5/9

Right Out: -513.264 $\pm$ 135.456 χ^2/NDF : 141.3/19

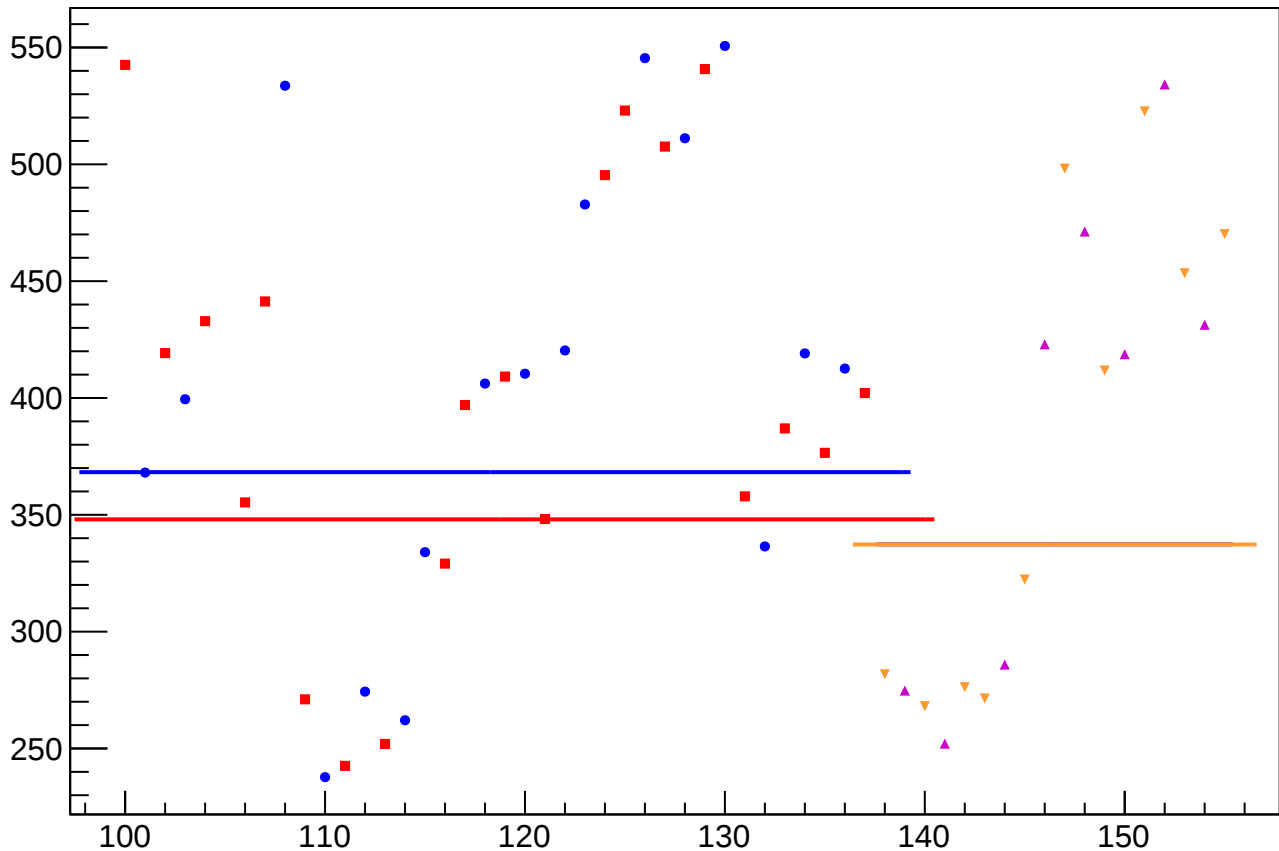
Left In: -596.294 $\pm$ 137.720 χ^2/NDF : 137.2/7

601.497 $\pm$ 97.182 χ^2/NDF : 437.4/26

20.065 $\pm$ 68.501 χ^2/NDF : 787.1/54

-554.091 $\pm$ 96.572 χ^2/NDF : 278.7/27

asym_bpm0r05WS_rms vs Slug, Sign Corrected



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

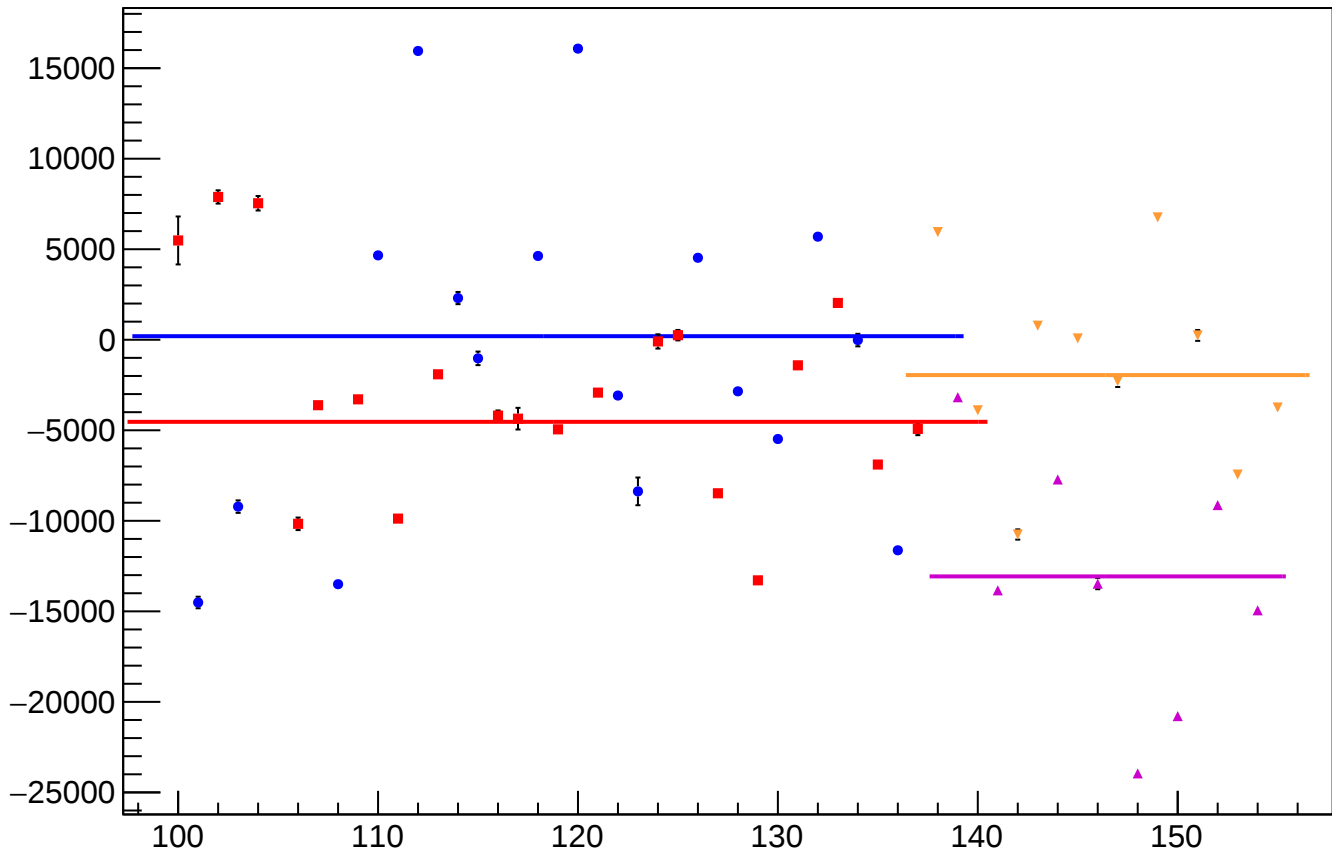
Left In: 337.346 +/- 0.097 χ^2/NDF : 863724.5/7

350.771 +/- 0.069 χ^2/NDF : 1737828.6/26

346.754 +/- 0.048 χ^2/NDF : 3437672.7/54

342.787 +/- 0.068 χ^2/NDF : 1693051.8/27

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 197.008+/-54.799 χ^2/NDF : 30658.3/16

Left Out: -1951.739+/-68.145 χ^2/NDF : 5892.2/9

Right Out: -4532.856+/-52.261 χ^2/NDF : 7477.3/19

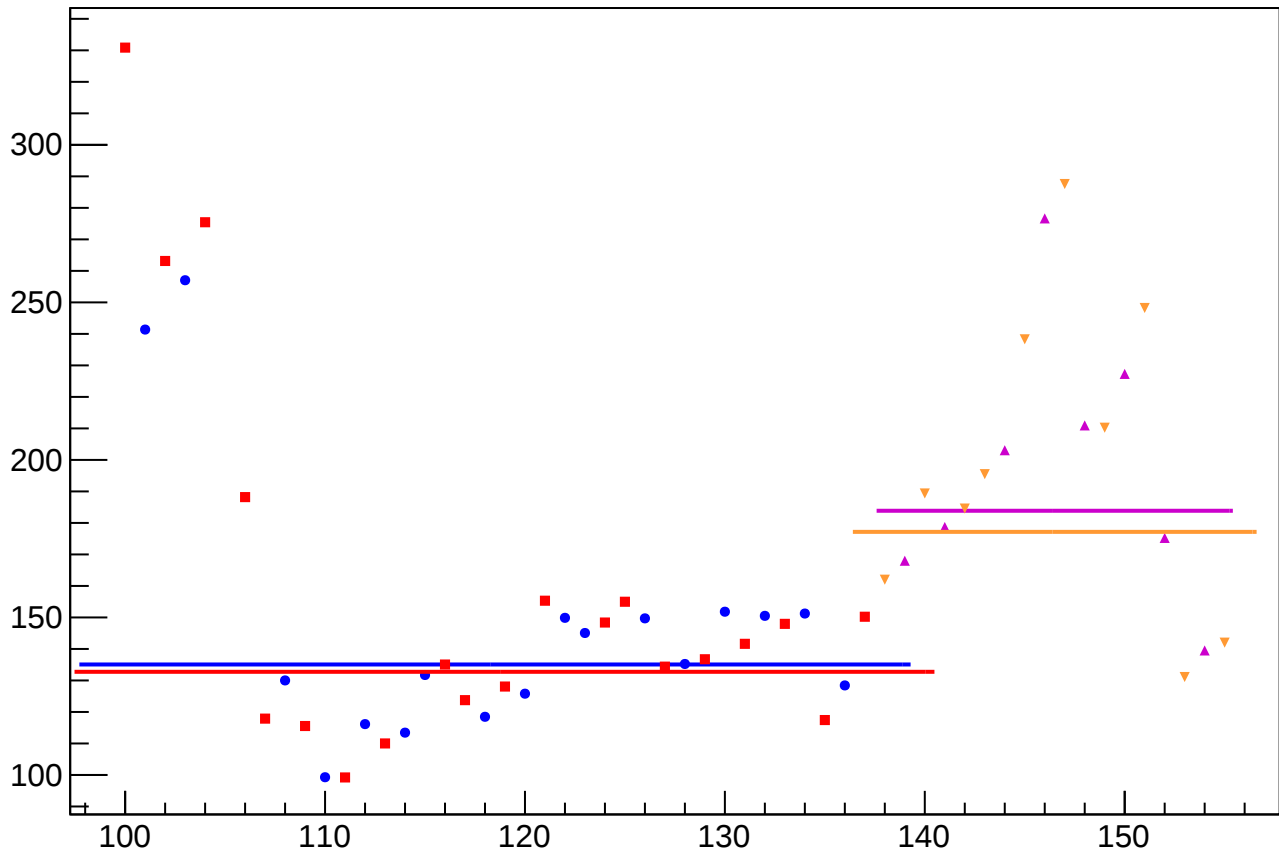
Left In: -13069.433+/-75.528 χ^2/NDF : 6318.6/7

-646.812+/-42.704 χ^2/NDF : 37154.3/26

-3950.658+/-30.292 χ^2/NDF : 71636.4/54

-7296.717+/-42.976 χ^2/NDF : 22434.6/27

asym_bpm0i02WS_rms vs Slug, Sign Corrected



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

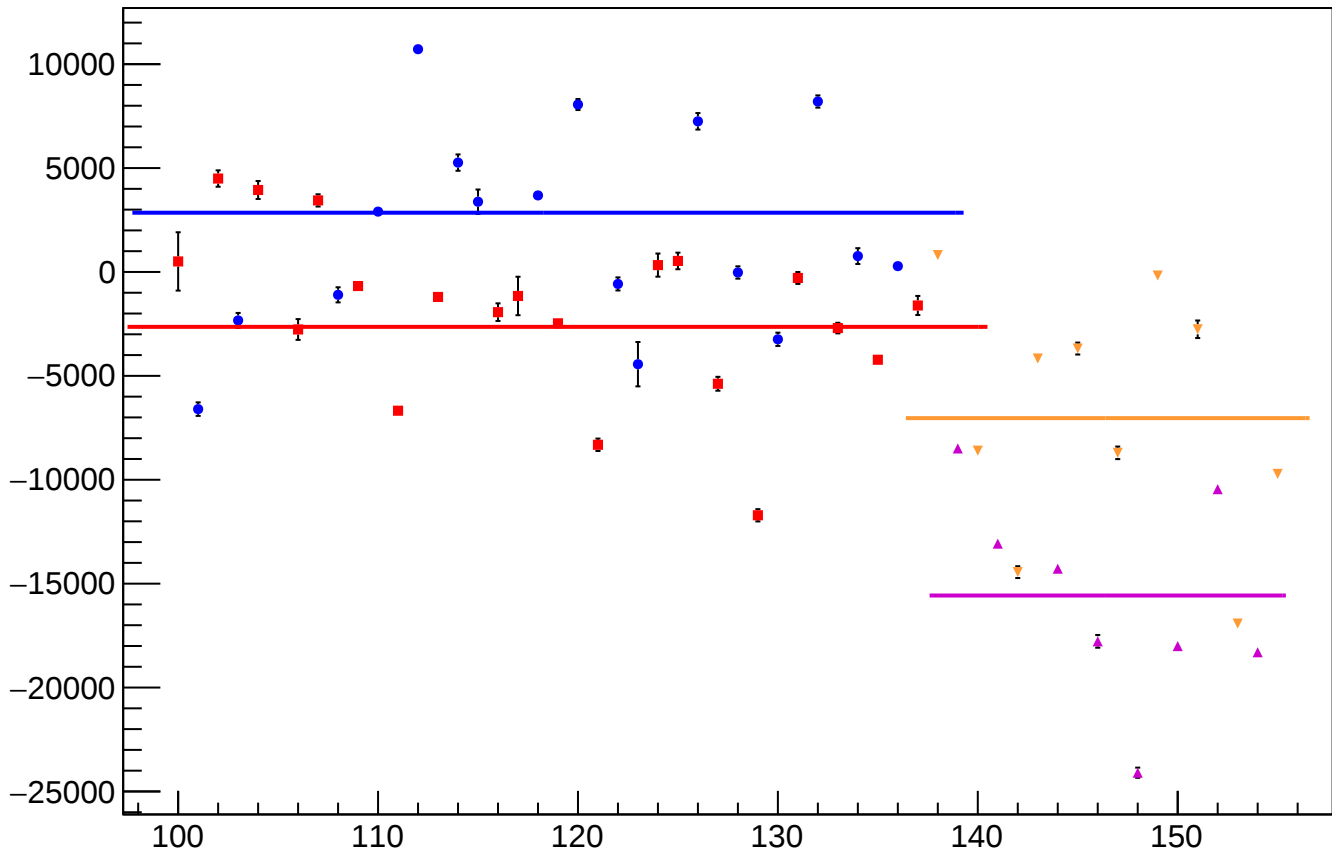
Left In: 183.862 +/- 0.053 χ^2/NDF : 468650.5/7

151.602 +/- 0.030 χ^2/NDF : 1925015.0/26

150.456 +/- 0.021 χ^2/NDF : 3847645.9/54

149.296 +/- 0.030 χ^2/NDF : 1919734.6/27

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2851.437 $\pm$ 70.753 χ^2/NDF : 4178.1/16

Left Out: -7033.880 $\pm$ 76.726 χ^2/NDF : 6286.1/9

Right Out: -2641.642 $\pm$ 65.566 χ^2/NDF : 3178.3/19

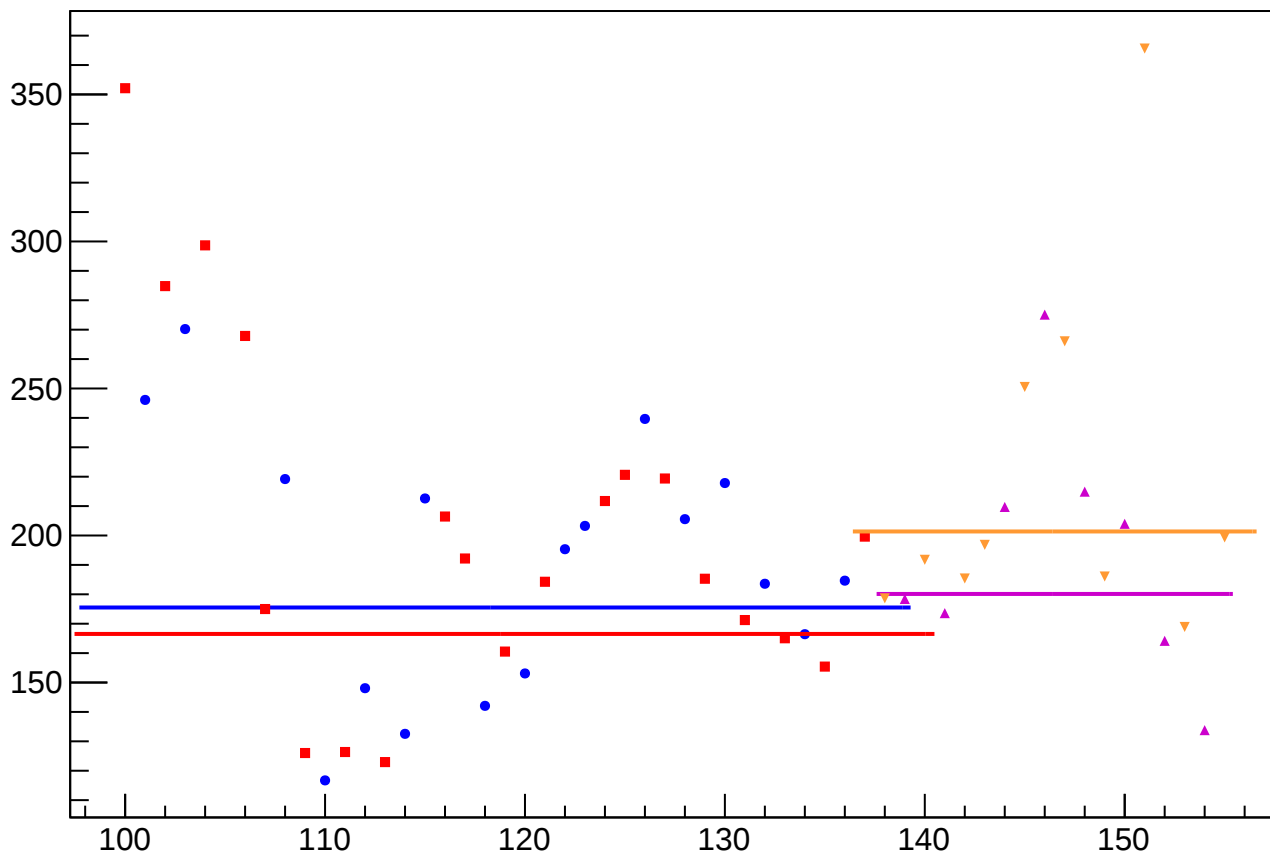
Left In: -15570.196 $\pm$ 74.245 χ^2/NDF : 3498.3/7

-1691.532 $\pm$ 52.014 χ^2/NDF : 19435.1/26

-5186.357 $\pm$ 35.722 χ^2/NDF : 51693.0/54

-8306.373 $\pm$ 49.145 χ^2/NDF : 23712.9/27

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 175.514 $\pm$ 0.050 χ^2 /NDF: 689642.3/16

Left Out: 201.372 $\pm$ 0.054 χ^2 /NDF: 552342.0/9

Right Out: 166.522 $\pm$ 0.046 χ^2 /NDF: 931079.9/19

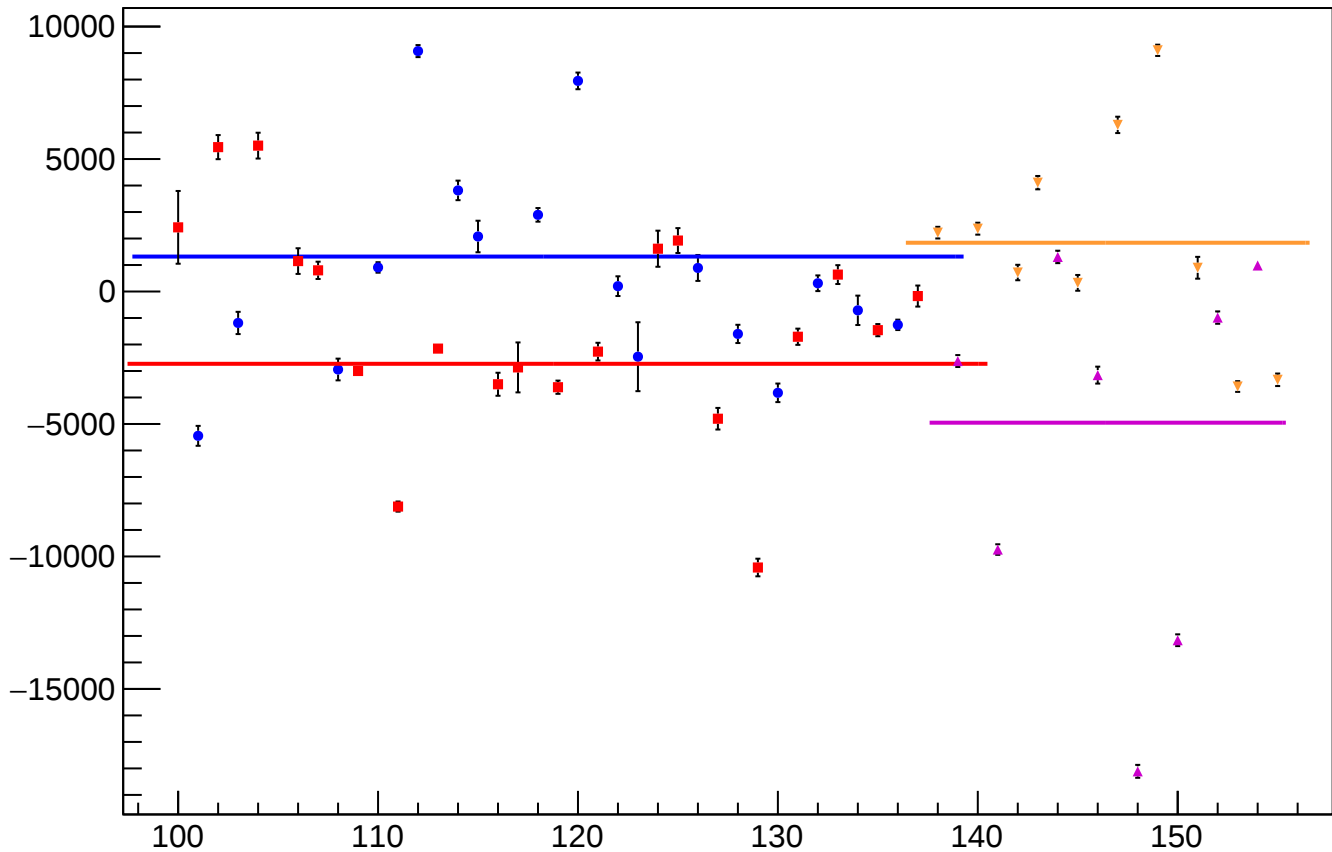
Left In: 180.122 $\pm$ 0.052 χ^2 /NDF: 498954.0/7

187.398 $\pm$ 0.037 χ^2 /NDF: 1364751.5/26

179.517 $\pm$ 0.025 χ^2 /NDF: 2919393.1/54

172.481 $\pm$ 0.035 χ^2 /NDF: 1467736.6/27

asym_bpm0i05WS_mean vs Slug, Sign Corrected



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

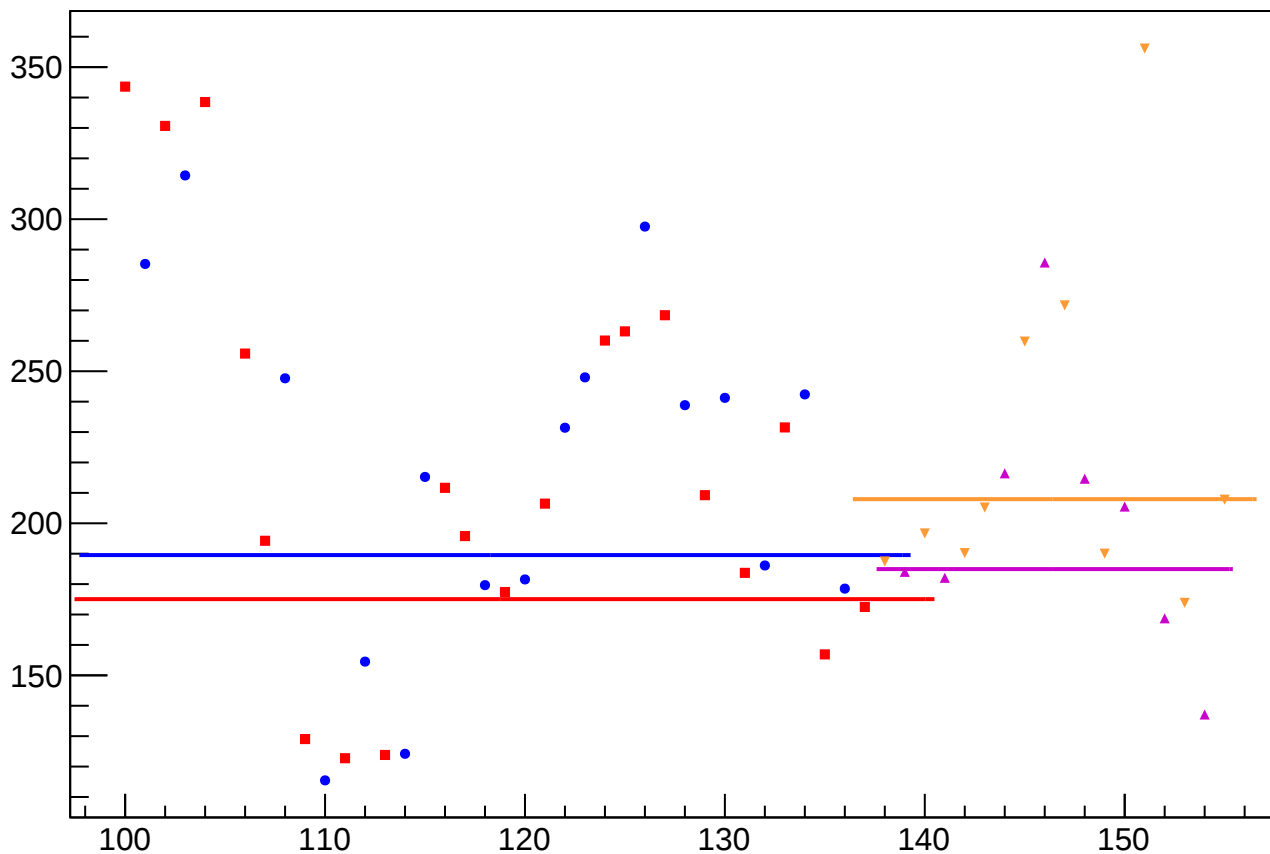
Left In: -4951.227+/-76.261 χ^2/NDF : 7530.1/7

1573.177+/-55.248 χ^2/NDF : 5388.4/26

-1270.780+/-37.673 χ^2/NDF : 20829.1/54

-3742.334+/-51.504 χ^2/NDF : 10488.1/27

asym_bpm0i05WS_rms vs Slug, Sign Corrected



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

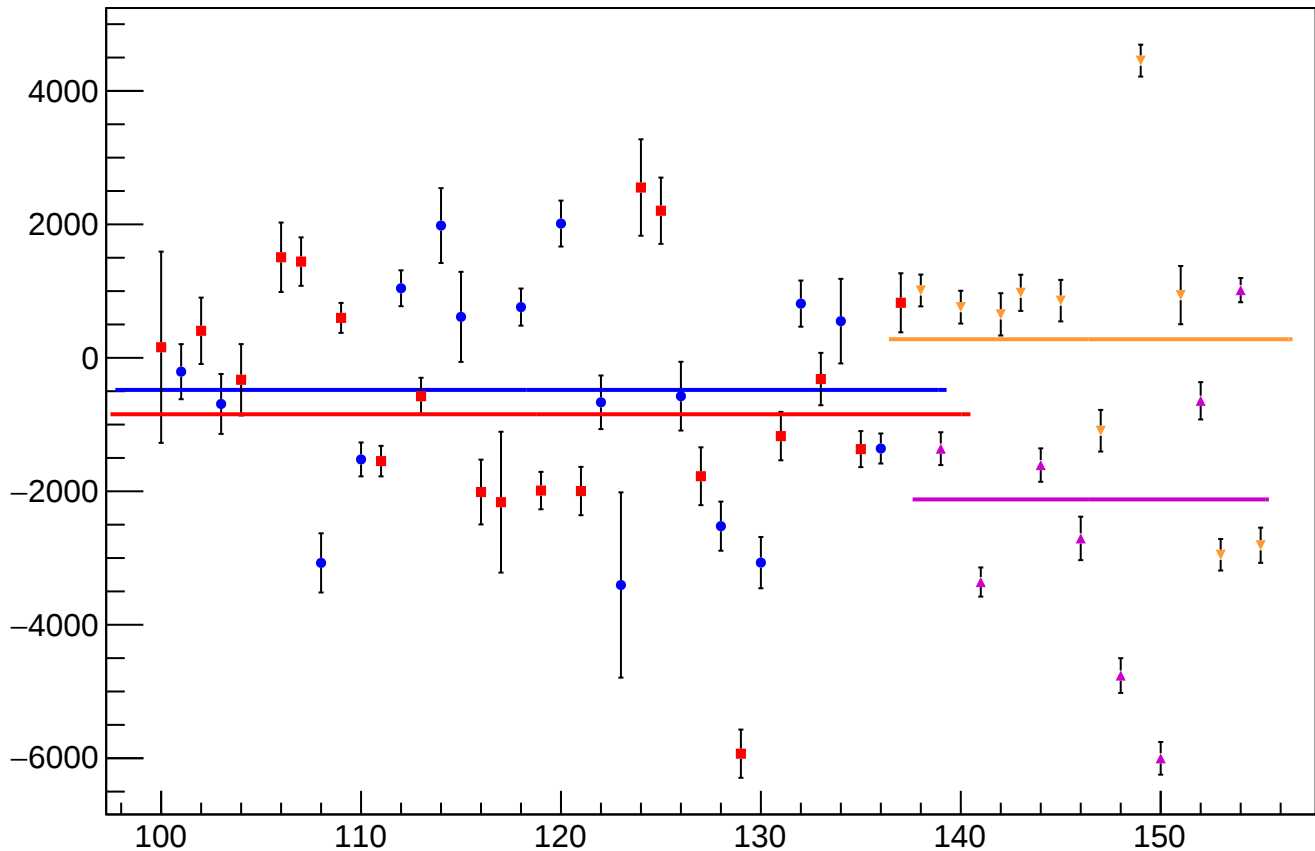
Left In: 184.939 $\pm$ 0.054 χ^2 /NDF: 491643.1/7

198.505 $\pm$ 0.039 χ^2 /NDF: 1540875.4/26

188.371 $\pm$ 0.027 χ^2 /NDF: 3474612.7/54

179.565 $\pm$ 0.036 χ^2 /NDF: 1807982.9/27

asym_bpm0i07WS_mean vs Slug, Sign Corrected



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

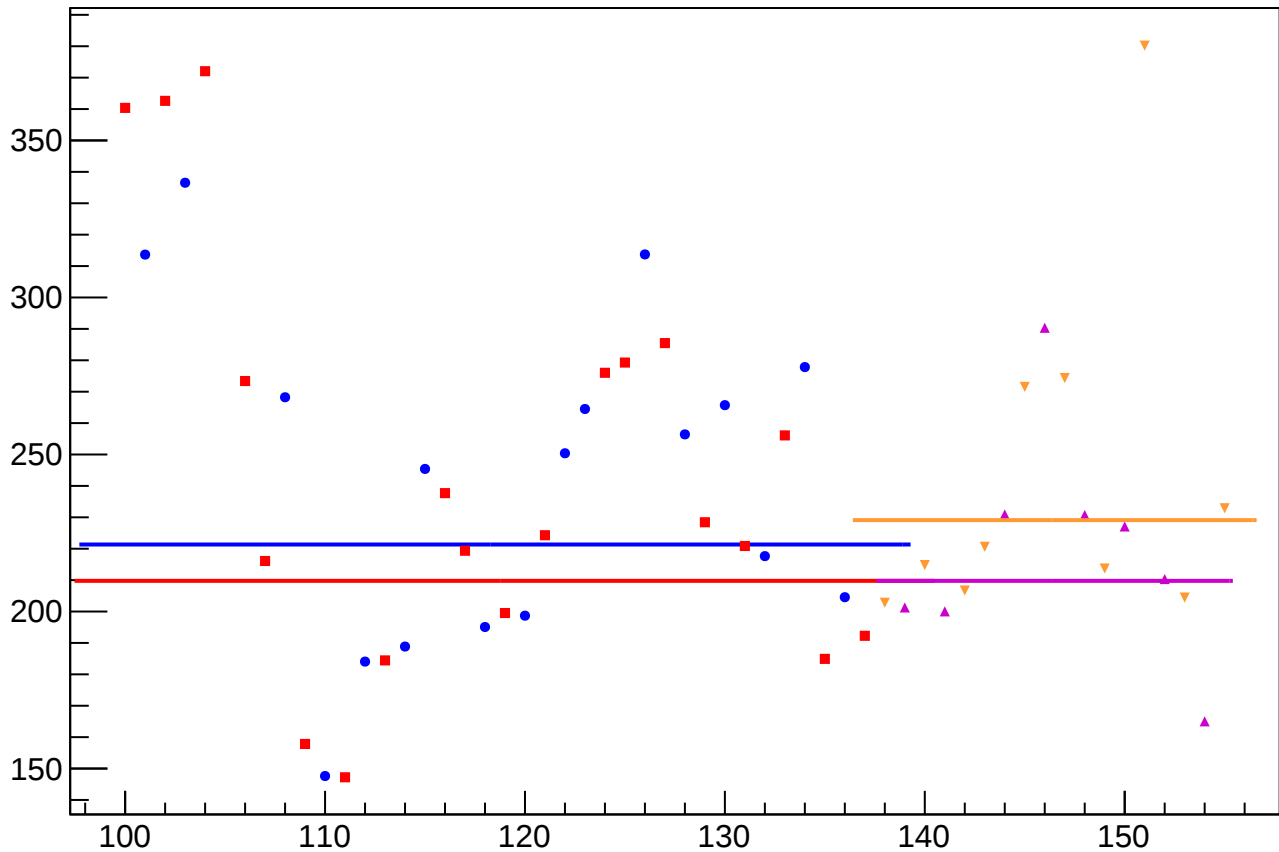
Left In: -2121.523±/85.304 χ^2/NDF : 729.6/7

-91.982±/61.937 χ^2/NDF : 1003.1/26

-806.959±/42.763 χ^2/NDF : 2540.5/54

-1458.250±/59.114 χ^2/NDF : 1282.8/27

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 229.101 $\pm$ 0.061 χ^2 /NDF: 392815.3/9

Right Out: 209.775 $\pm$ 0.058 χ^2 /NDF: 884083.7/19

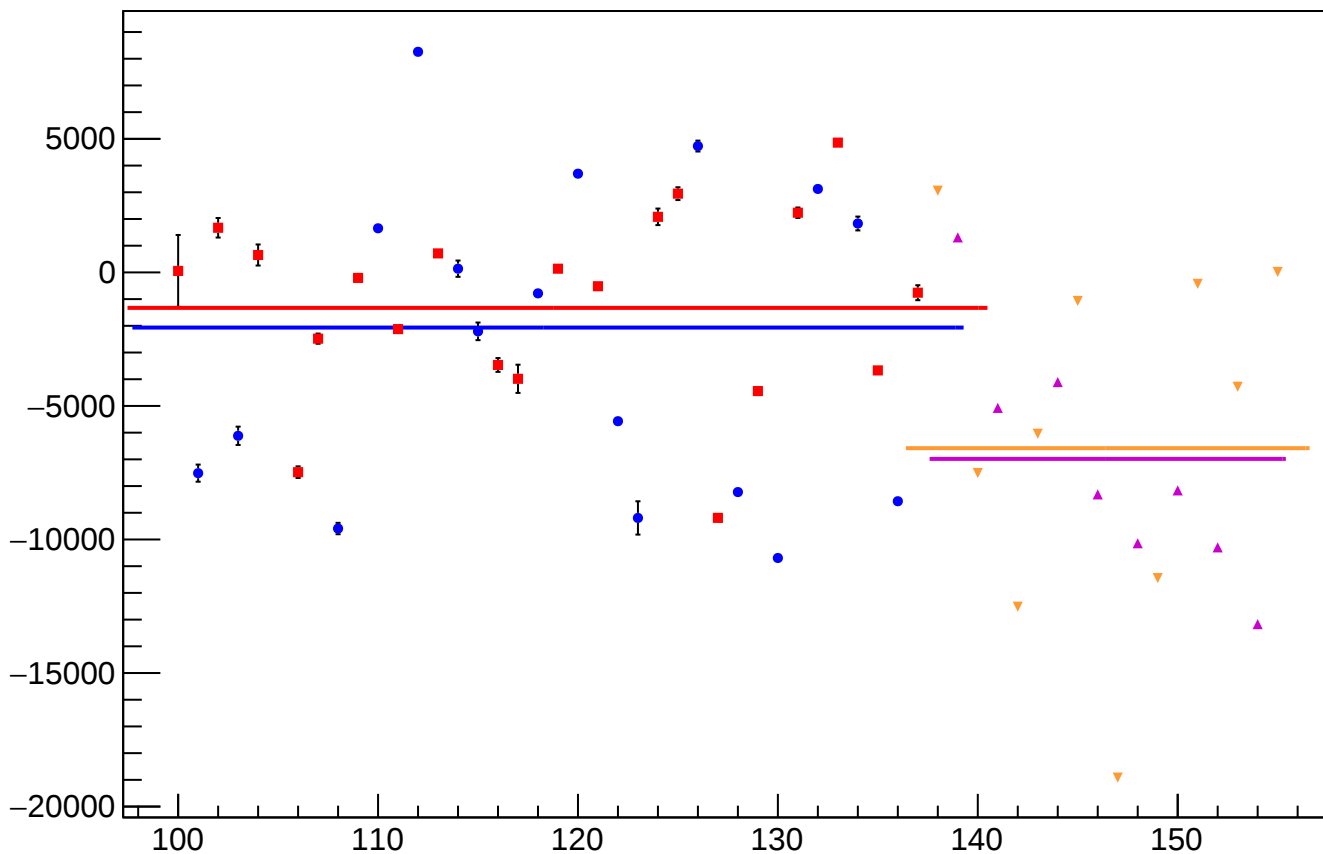
Left In: 209.764 $\pm$ 0.060 χ^2 /NDF: 287882.0/7

225.313 $\pm$ 0.044 χ^2 /NDF: 1046345.8/26

217.179 $\pm$ 0.030 χ^2 /NDF: 2284222.4/54

209.770 $\pm$ 0.042 χ^2 /NDF: 1171965.7/27

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2065.160 $\pm$ 47.322 χ^2/NDF : 16533.3/16

Left Out: -6580.968 $\pm$ 42.807 χ^2/NDF : 24423.2/9

Right Out: -1327.819 $\pm$ 44.838 χ^2/NDF : 5919.9/19

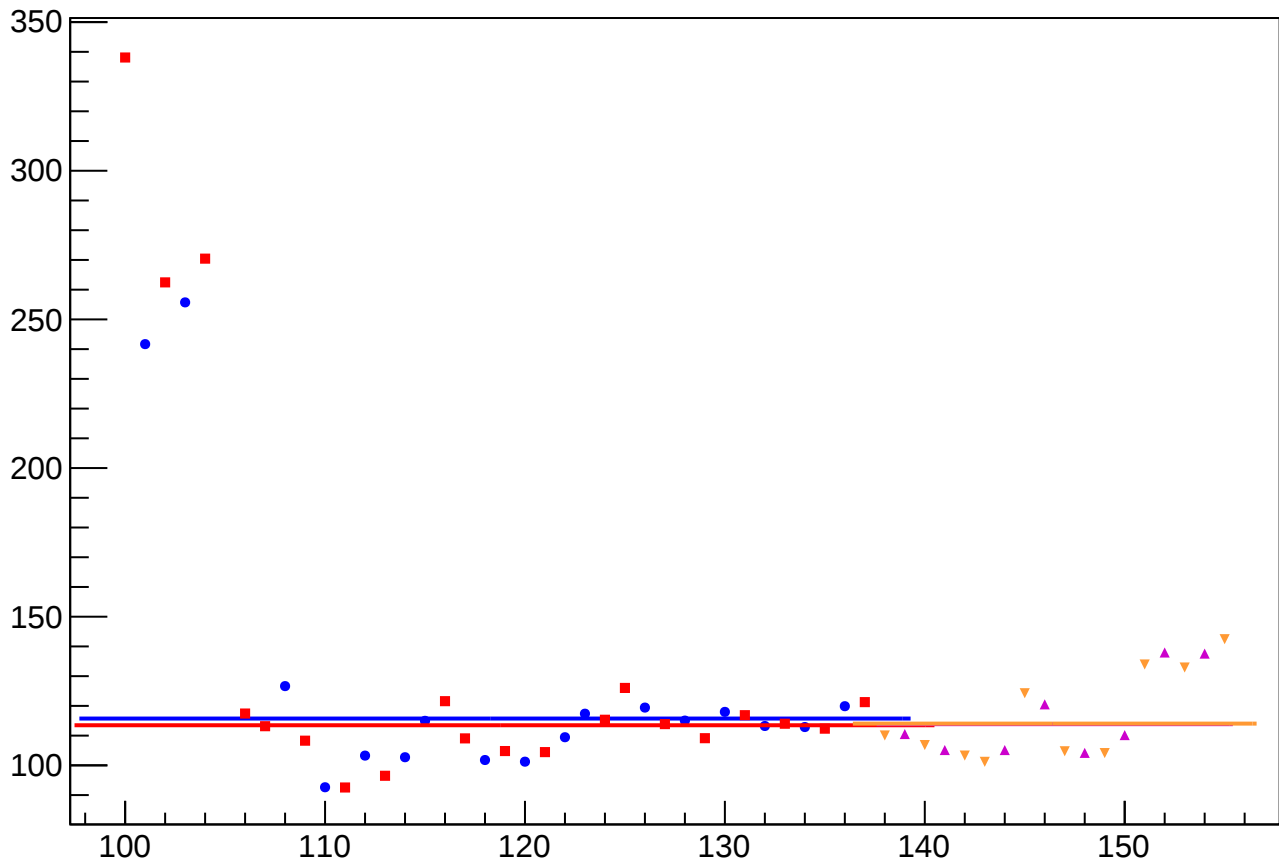
Left In: -6982.761 $\pm$ 45.245 χ^2/NDF : 7637.2/7

-4548.743 $\pm$ 31.745 χ^2/NDF : 45964.8/26

-4339.919 $\pm$ 22.484 χ^2/NDF : 67489.7/54

-4129.739 $\pm$ 31.848 χ^2/NDF : 21438.1/27

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 115.741 ± 0.033 $\chi^2/\text{NDF}: 744017.7/16$

Left Out: 114.038 ± 0.030 $\chi^2/\text{NDF}: 204615.6/9$

Right Out: 113.487 ± 0.032 $\chi^2/\text{NDF}: 796781.7/19$

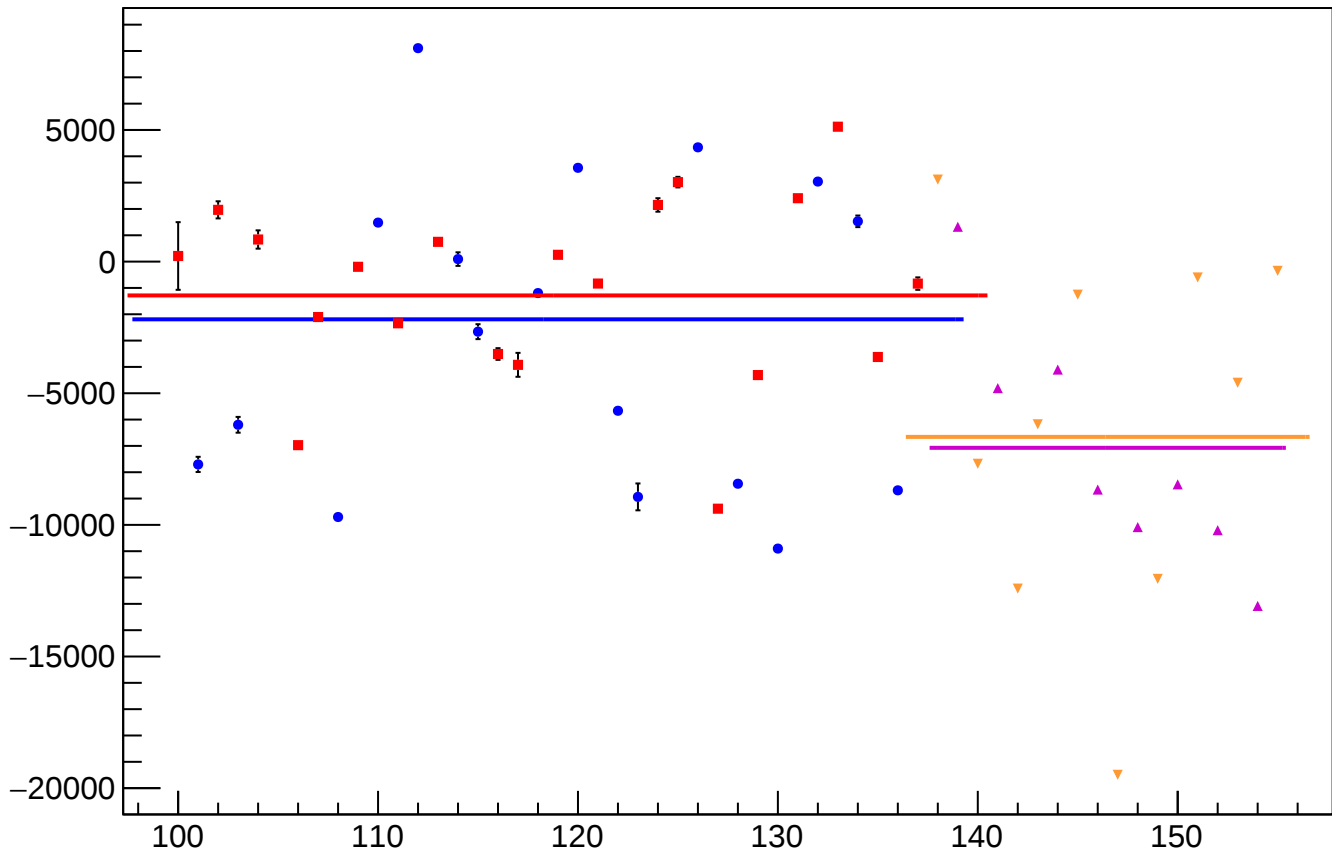
Left In: 113.850 ± 0.032 $\chi^2/\text{NDF}: 143763.8/7$

114.804 ± 0.022 $\chi^2/\text{NDF}: 950057.3/26$

114.237 ± 0.016 $\chi^2/\text{NDF}: 1891946.9/54$

113.667 ± 0.023 $\chi^2/\text{NDF}: 940610.7/27$

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2192.327 ± 39.944 $\chi^2/\text{NDF}: 22813.5/16$

Left Out: -6657.724 ± 39.015 $\chi^2/\text{NDF}: 29499.0/9$

Right Out: -1284.692 ± 37.915 $\chi^2/\text{NDF}: 8584.4/19$

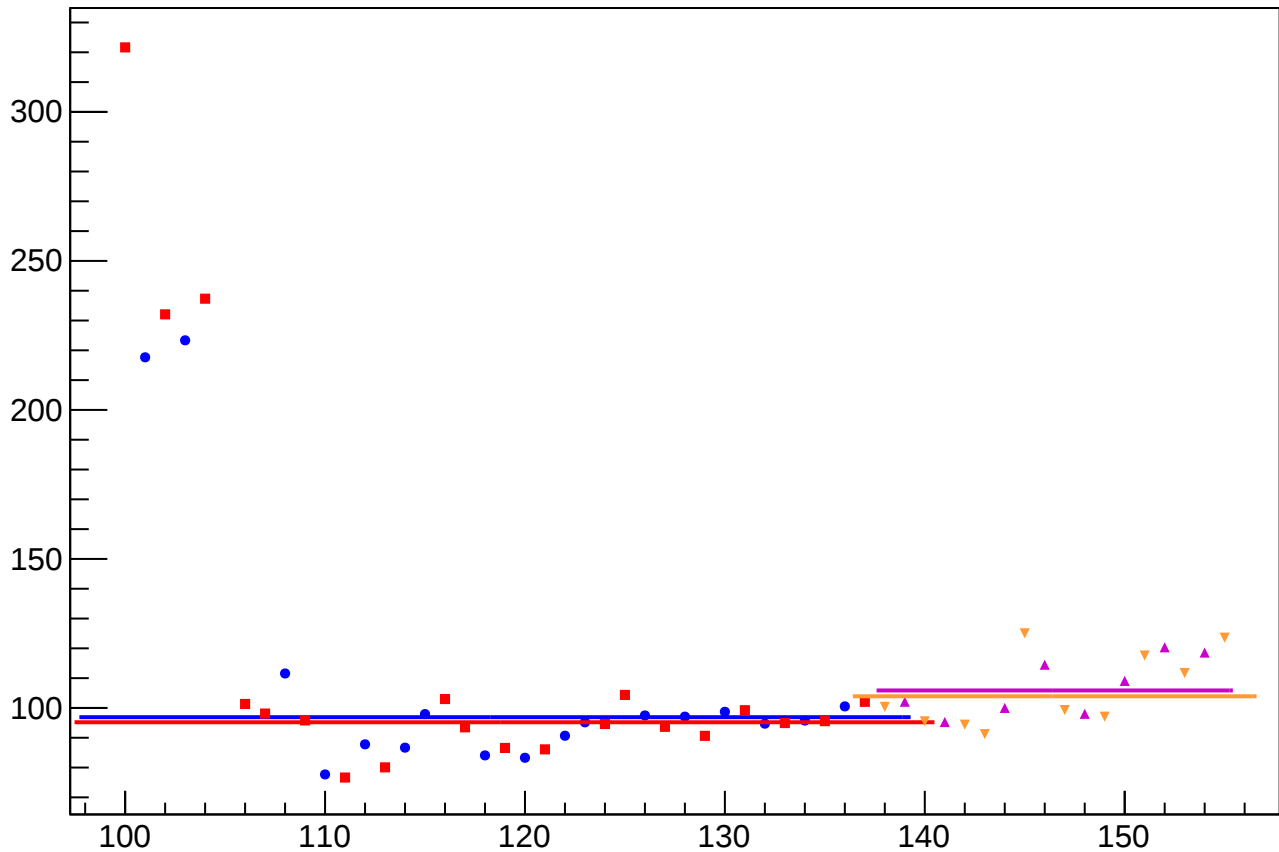
Left In: -7072.896 ± 42.039 $\chi^2/\text{NDF}: 9305.5/7$

-4477.542 ± 27.910 $\chi^2/\text{NDF}: 58708.2/26$

-4181.915 ± 19.822 $\chi^2/\text{NDF}: 87278.5/54$

-3881.076 ± 28.155 $\chi^2/\text{NDF}: 28343.9/27$

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 96.894 $\pm$ 0.028 χ^2/NDF : 817229.9/16

Left Out: 103.912 $\pm$ 0.028 χ^2/NDF : 169391.9/9

Right Out: 95.201 $\pm$ 0.027 χ^2/NDF : 859838.2/19

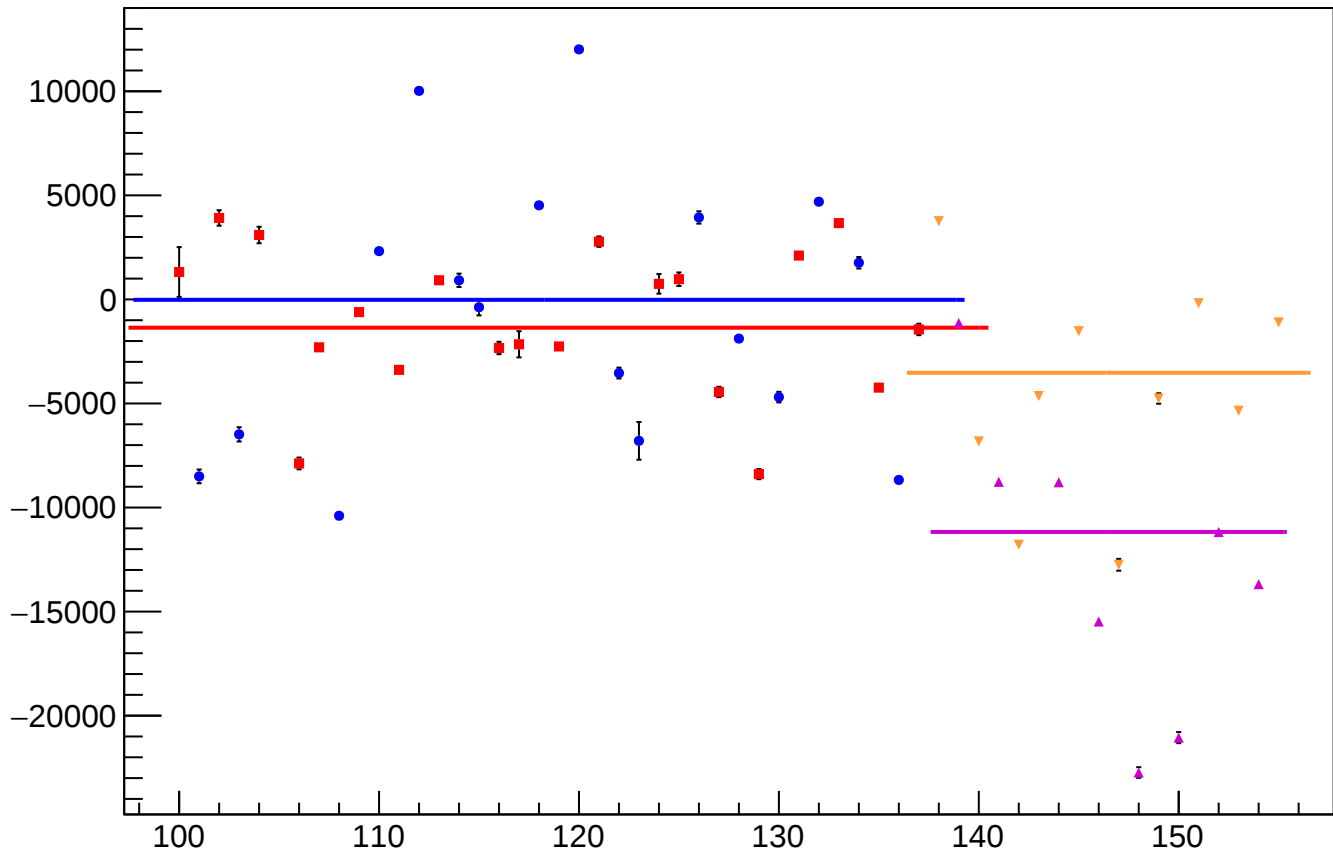
Left In: 105.871 $\pm$ 0.030 χ^2/NDF : 91130.6/7

100.485 $\pm$ 0.020 χ^2/NDF : 1018216.7/26

100.239 $\pm$ 0.014 χ^2/NDF : 2040536.7/54

99.987 $\pm$ 0.020 χ^2/NDF : 1022004.1/27

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -19.990 ± 54.643 $\chi^2/\text{NDF}: 16361.0/16$

Left Out: -3523.566 ± 59.608 $\chi^2/\text{NDF}: 5632.0/9$

Right Out: -1359.001 ± 52.186 $\chi^2/\text{NDF}: 3838.8/19$

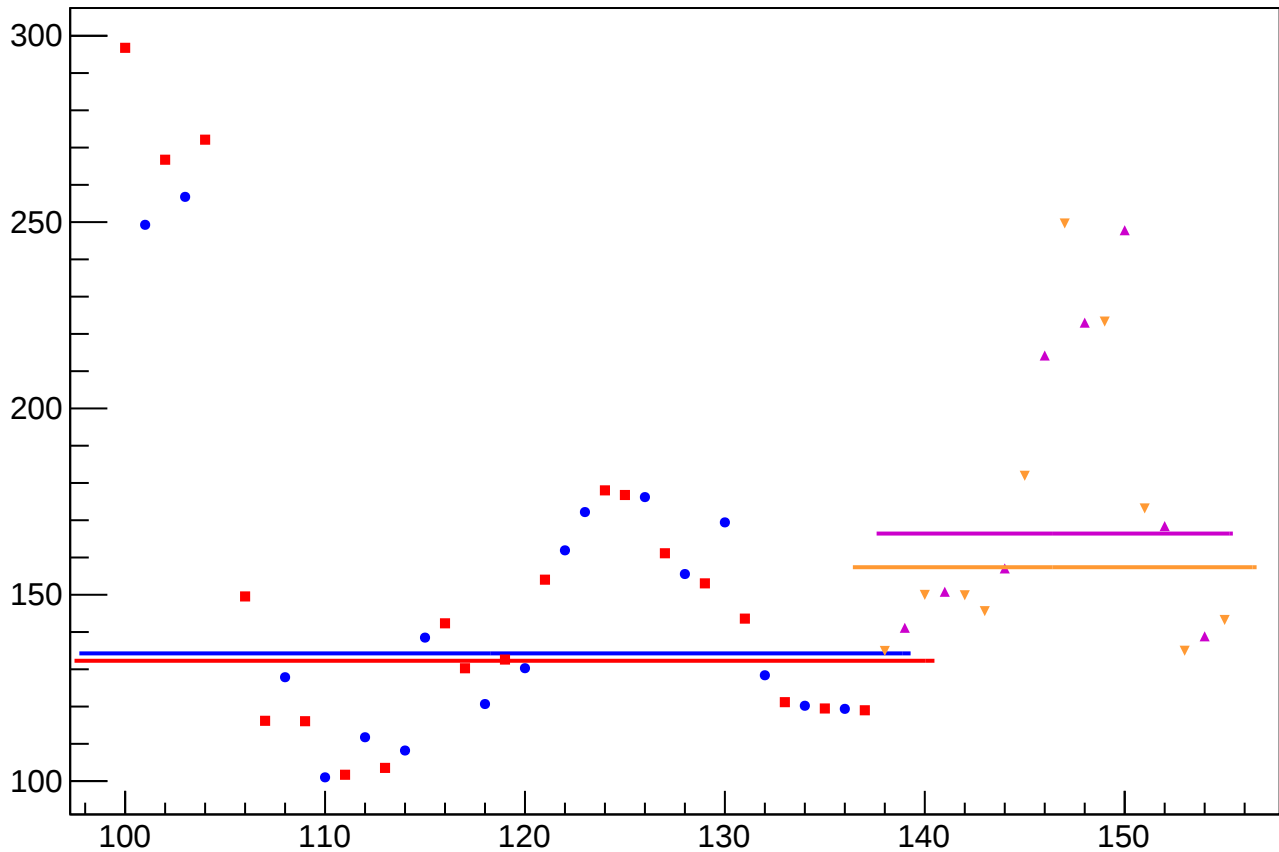
Left In: -11172.831 ± 67.253 $\chi^2/\text{NDF}: 7769.9/7$

-1619.813 ± 40.280 $\chi^2/\text{NDF}: 23870.2/26$

-3293.624 ± 28.812 $\chi^2/\text{NDF}: 52305.8/54$

-5047.275 ± 41.229 $\chi^2/\text{NDF}: 24899.7/27$

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 134.268+/-0.039 χ^2/NDF : 788647.0/16

Left Out: 157.392+/-0.042 χ^2/NDF : 505349.3/9

Right Out: 132.288+/-0.037 χ^2/NDF : 869913.4/19

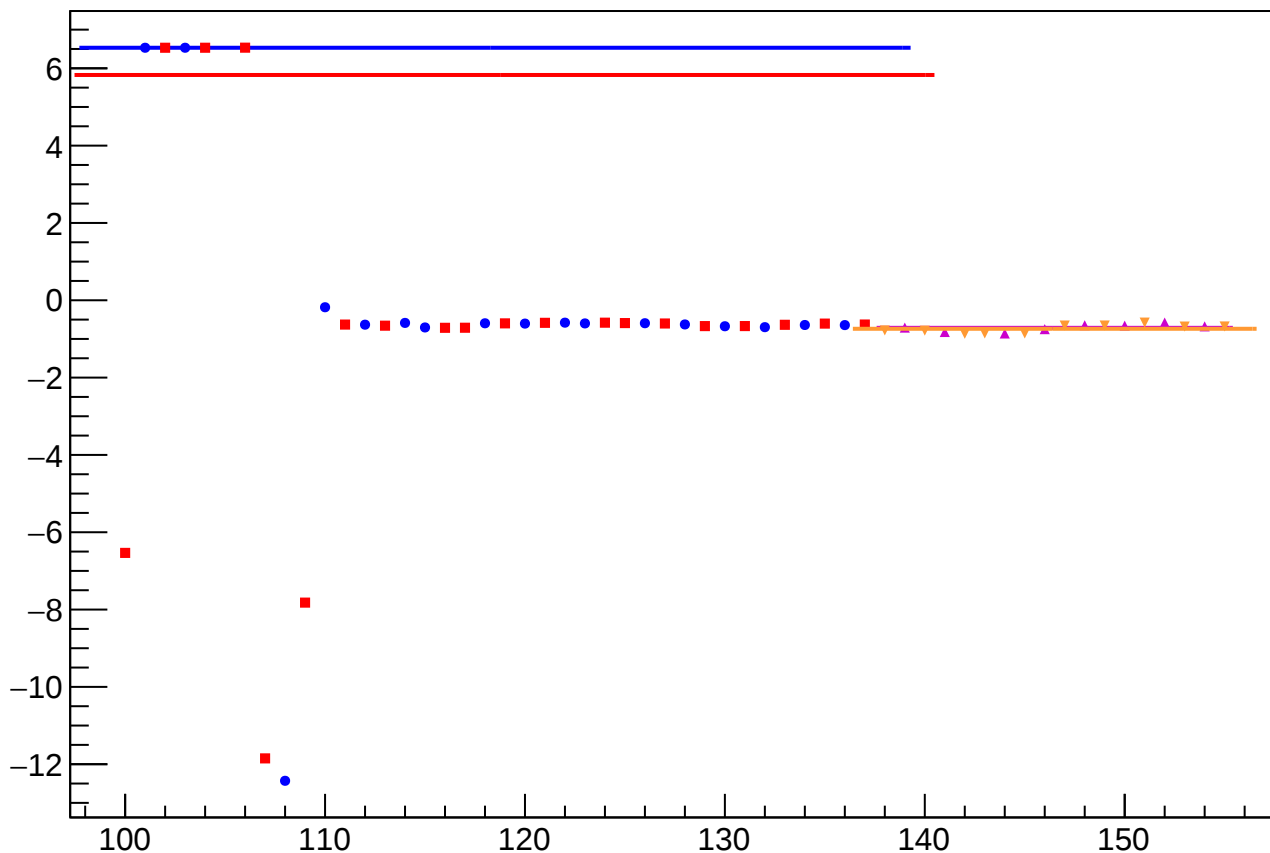
Left In: 166.424+/-0.048 χ^2/NDF : 497520.1/7

144.827+/-0.028 χ^2/NDF : 1457541.5/26

144.968+/-0.020 χ^2/NDF : 3146629.9/54

145.117+/-0.029 χ^2/NDF : 1689037.6/27

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127906780672.7/16

Left Out: -0.737 $\pm$ 0.000 χ^2 /NDF: 69227546.5/9

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755949520765363.8/19

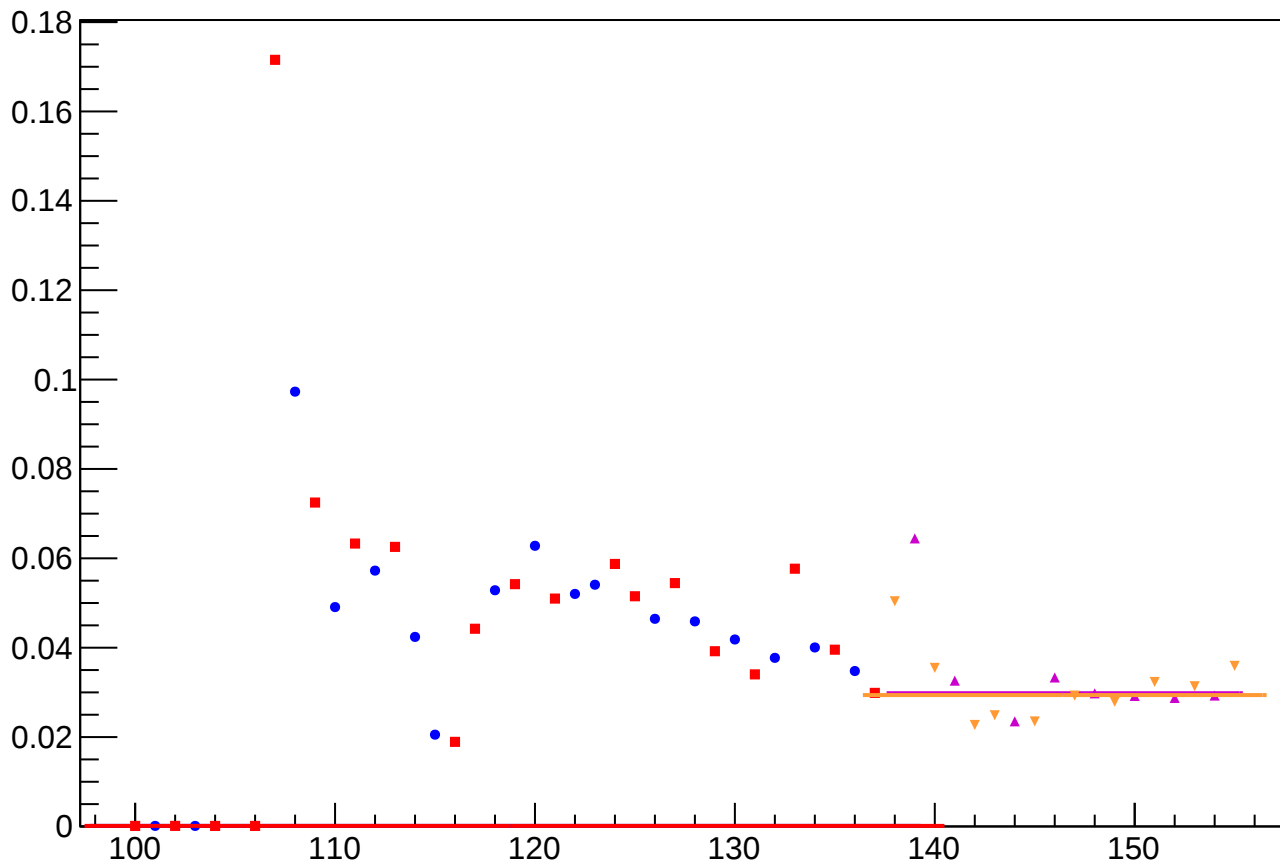
Left In: -0.713 $\pm$ 0.000 χ^2 /NDF: 53534147.7/7

6.531 $\pm$ 0.000 χ^2 /NDF: 471739235997.2/26

6.154 $\pm$ 0.000 χ^2 /NDF: 77665709794977

5.827 $\pm$ 0.000 χ^2 /NDF: 756191861770867.9/27

yield_cav4bX_rms vs Slug, Sign Corrected



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

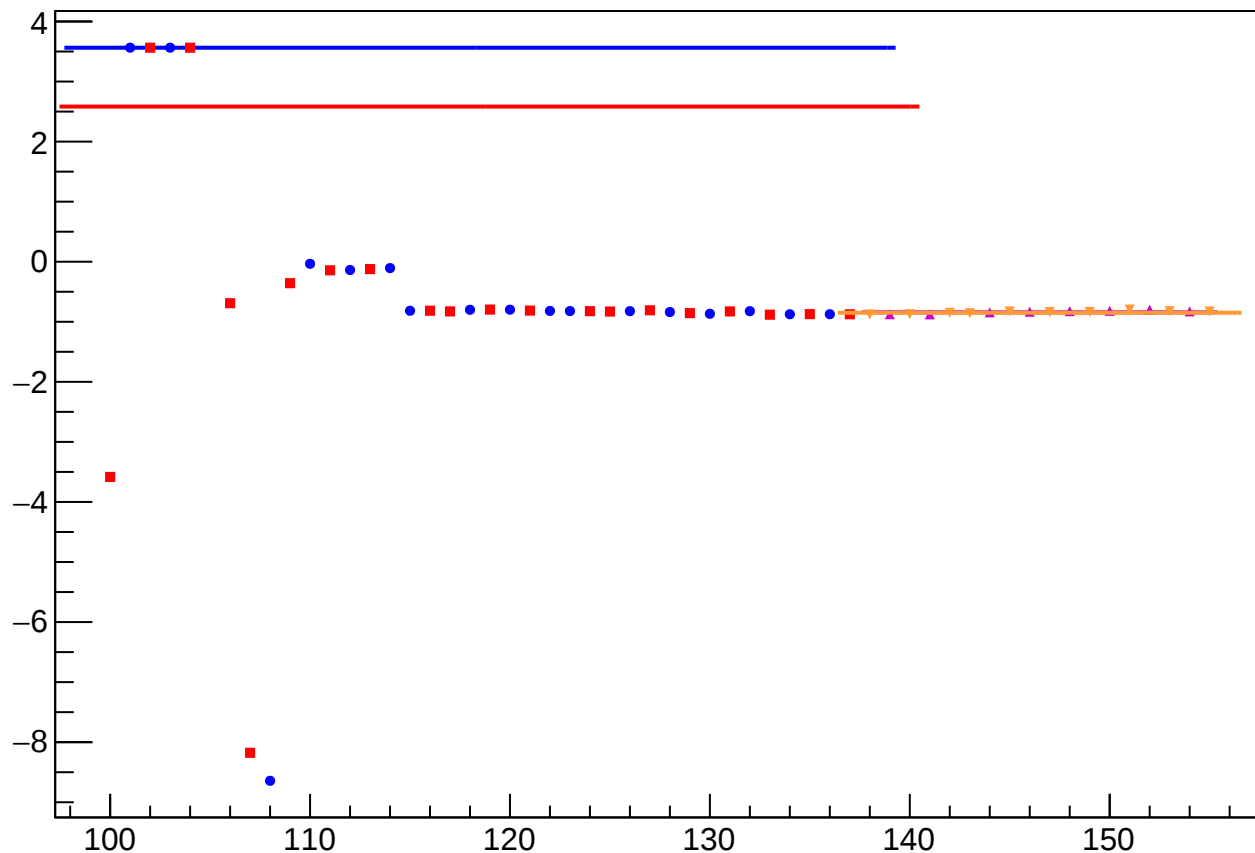
Left In: 0.030+/-0.000 χ^2/NDF : 494336.9/7

0.000+/-0.000 χ^2/NDF : 20639803.6/26

0.000+/-0.000 χ^2/NDF : 40575537.5/54

0.000+/-0.000 χ^2/NDF : 19935294.2/27

yield_cav4bY_mean vs Slug, Sign Corrected



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

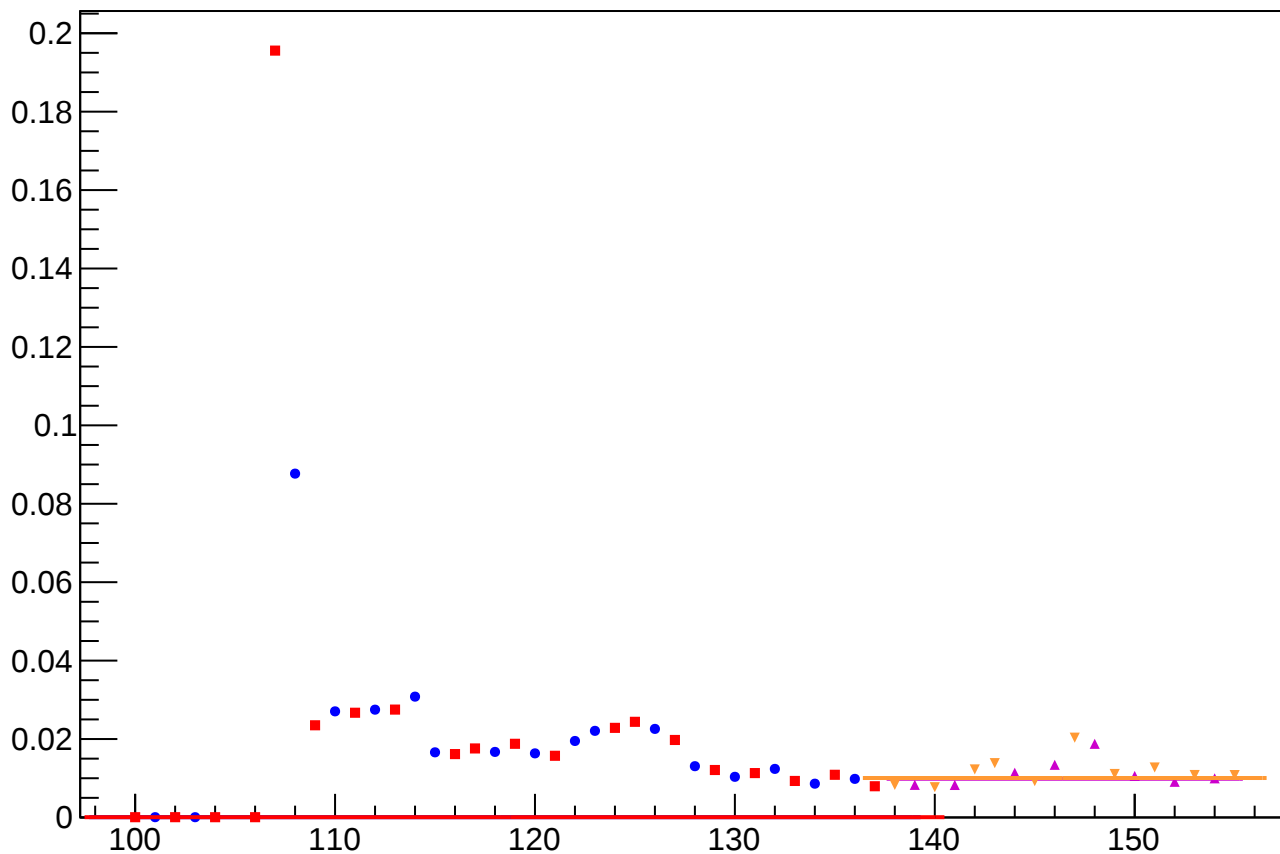
Left In: -0.842+/-0.000 χ^2/NDF : 46522205.8/7

3.562+/-0.000 χ^2/NDF : 1546430701783.5/26

3.040+/-0.000 χ^2/NDF : 13838638880381

2.583+/-0.000 χ^2/NDF : 1254110527008677.0/2

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9848258.0/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:722006.8/9

Right Out: 0.000+/-0.000 χ^2/NDF : 9955781.5/19

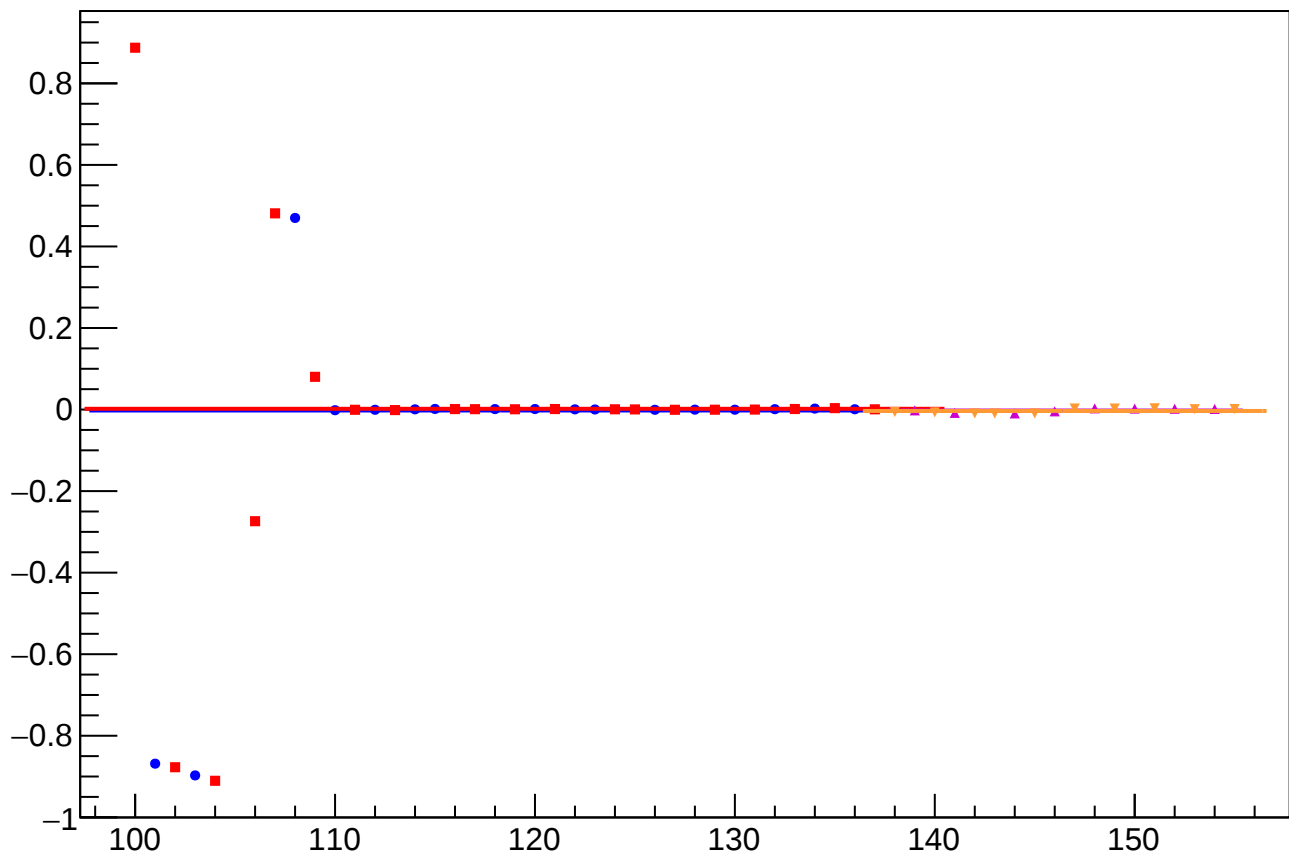
Left In: 0.010+/-0.000 χ^2/NDF :532147.0/7

0.000+/-0.000 χ^2/NDF : 21432349.1/26

0.000+/-0.000 χ^2/NDF : 41816224.9/54

0.000+/-0.000 χ^2/NDF : 20383329.7/27

yield_cav4cX_mean vs Slug, Sign Corrected



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

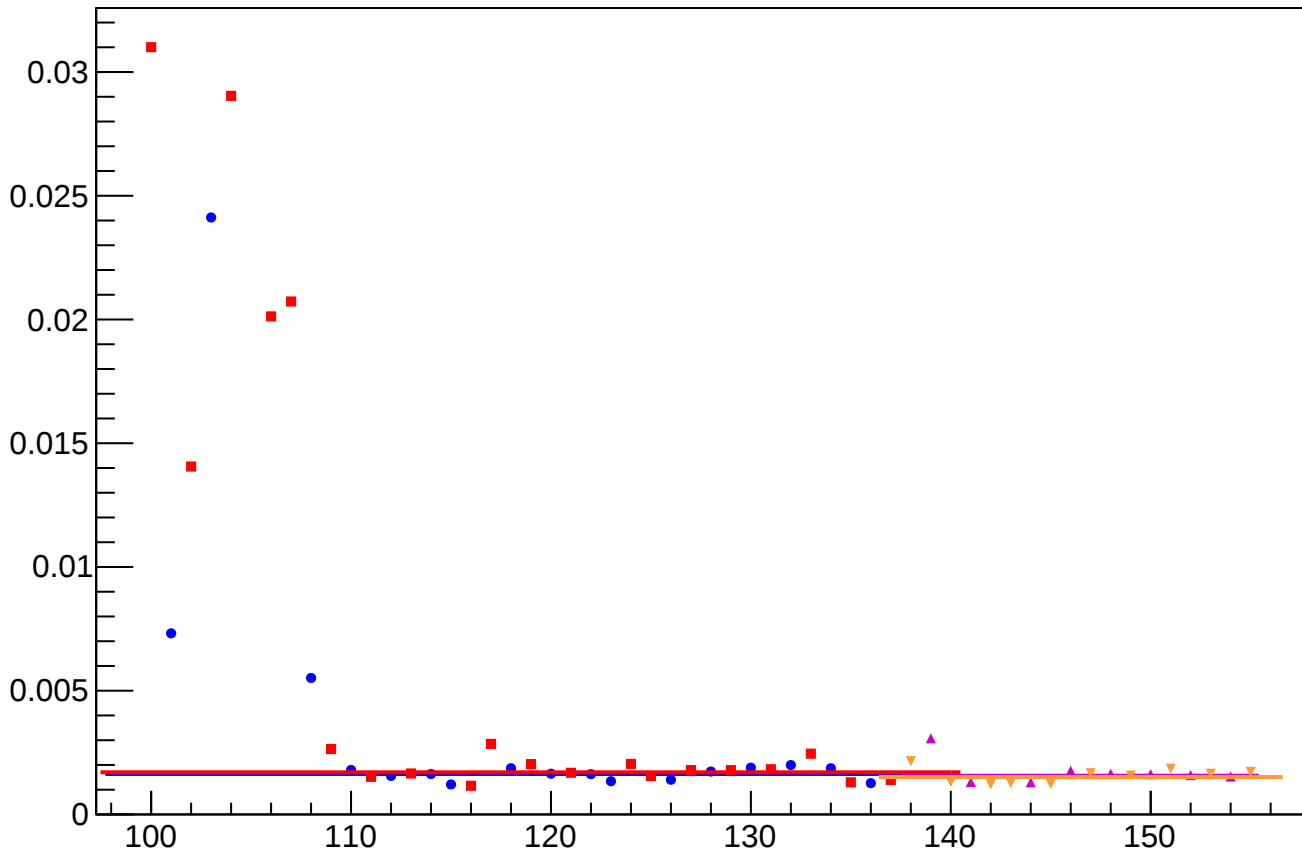
Left In: -0.002+/-0.000 χ^2 /NDF: 53215735.7/7

-0.003+/-0.000 χ^2 /NDF: 9869024189.8/26

-0.002+/-0.000 χ^2 /NDF: 12990623020.6/5

-0.001+/-0.000 χ^2 /NDF: 3110462462.3/27

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 1919127.9/16

Left Out: 0.002+/-0.000 χ^2/NDF : 341072.7/9

Right Out: 0.002+/-0.000 χ^2/NDF : 3038397.4/19

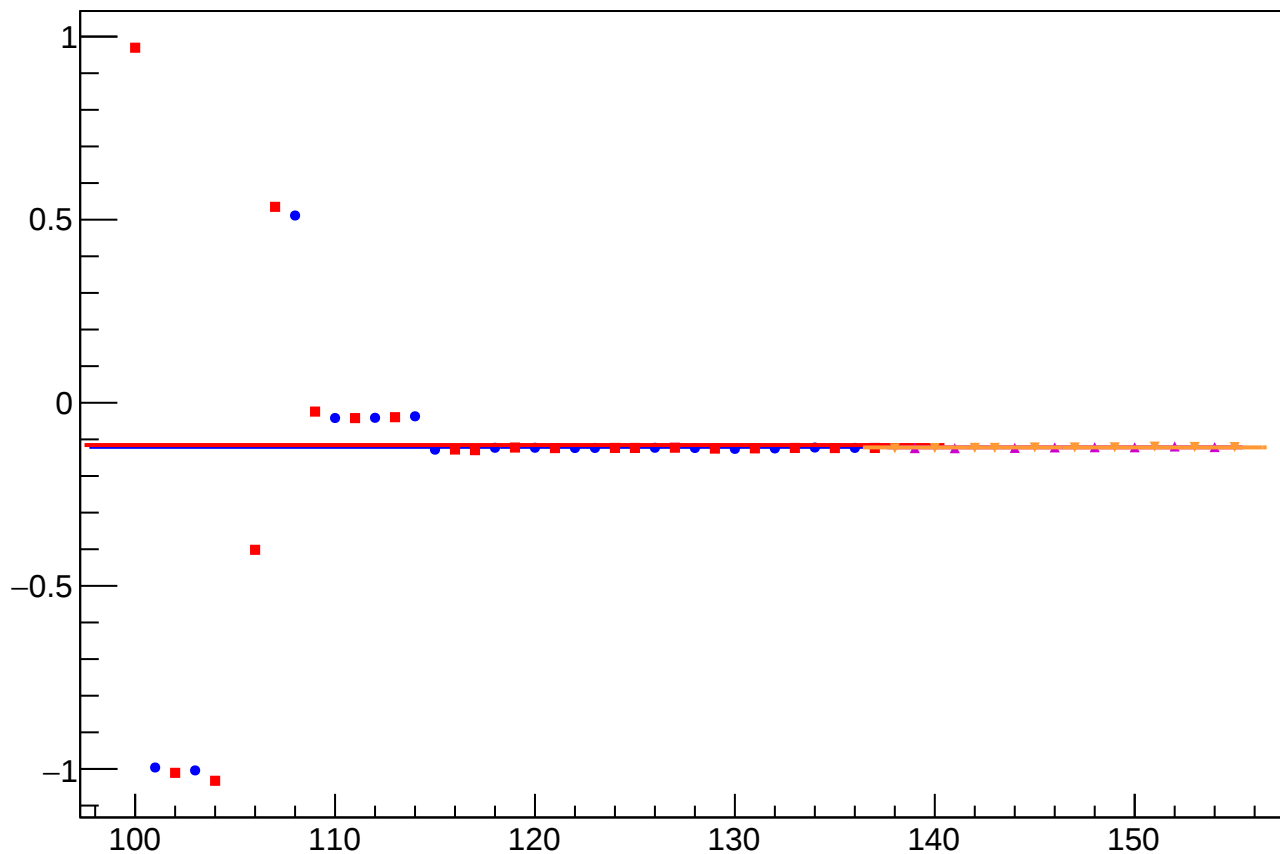
Left In: 0.002+/-0.000 χ^2/NDF : 445231.1/7

0.002+/-0.000 χ^2/NDF : 2291732.1/26

0.002+/-0.000 χ^2/NDF : 5824110.8/54

0.002+/-0.000 χ^2/NDF : 3517233.8/27

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.120+/-0.000 χ^2/NDF : 3932311162.8/16

Left Out: -0.122+/-0.000 χ^2/NDF : 9414575.3/9

Right Out: -0.115+/-0.000 χ^2/NDF : 2458720596.9/19

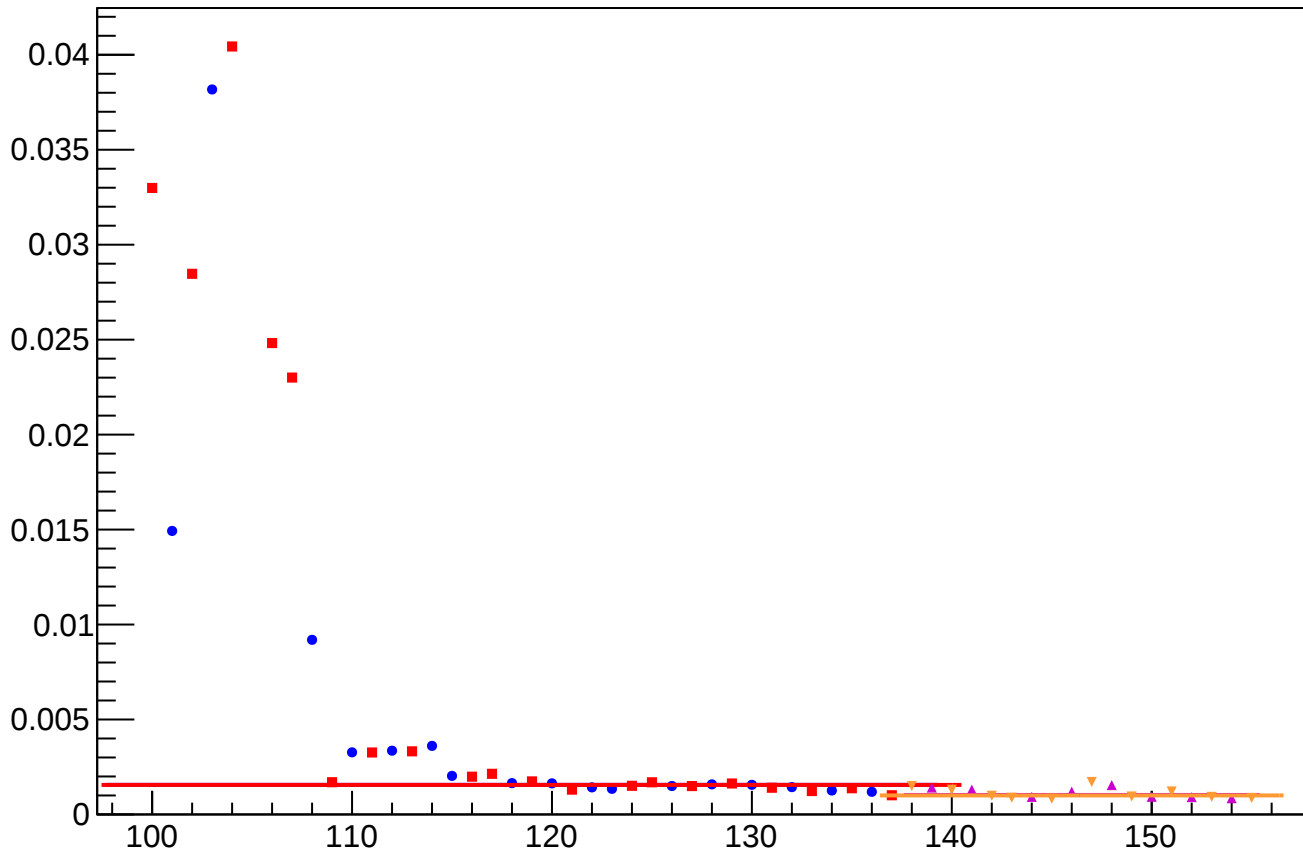
Left In: -0.122+/-0.000 χ^2/NDF : 12142458.2/7

-0.122+/-0.000 χ^2/NDF : 3945211667.4/26

-0.121+/-0.000 χ^2/NDF : 6478538185.1/54

-0.120+/-0.000 χ^2/NDF : 2525002666.5/27

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 2903607.4/16

Left Out: 0.001+/-0.000 χ^2/NDF : 654469.4/9

Right Out: 0.002+/-0.000 χ^2/NDF : 3544377.2/19

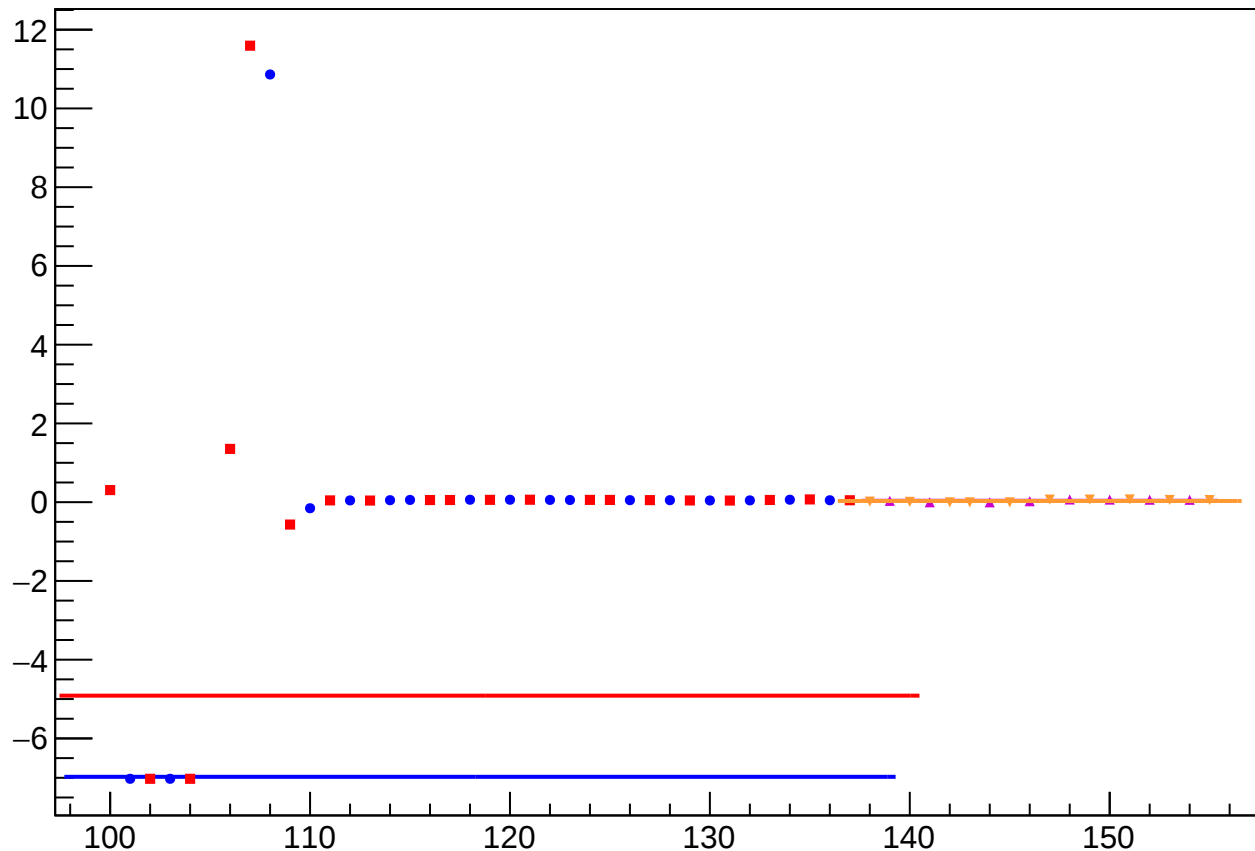
Left In: 0.001+/-0.000 χ^2/NDF : 488575.0/7

0.001+/-0.000 χ^2/NDF : 4469938.5/26

0.001+/-0.000 χ^2/NDF : 9306611.2/54

0.001+/-0.000 χ^2/NDF : 4827615.2/27

yield_cav4dX_mean vs Slug, Sign Corrected



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

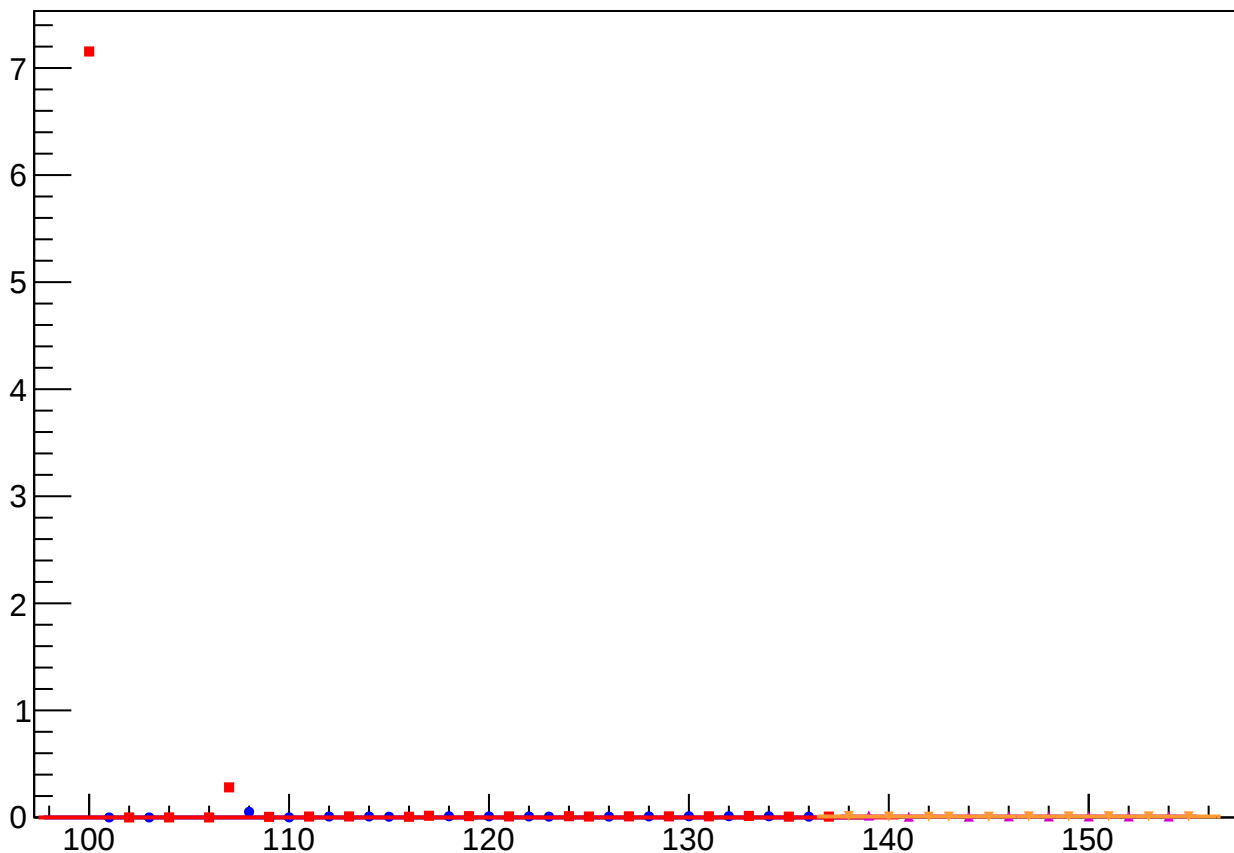
Left In: 0.036+/-0.000 χ^2/NDF : 57650151.0/7

-6.955+/-0.000 χ^2/NDF : 12249504864848.2/26

-5.885+/-0.000 χ^2/NDF : 43494226065734.2/26

-4.903+/-0.000 χ^2/NDF : 366837357162114.4/26

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 8362763.6/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:343699.5/9

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8880914.4/19

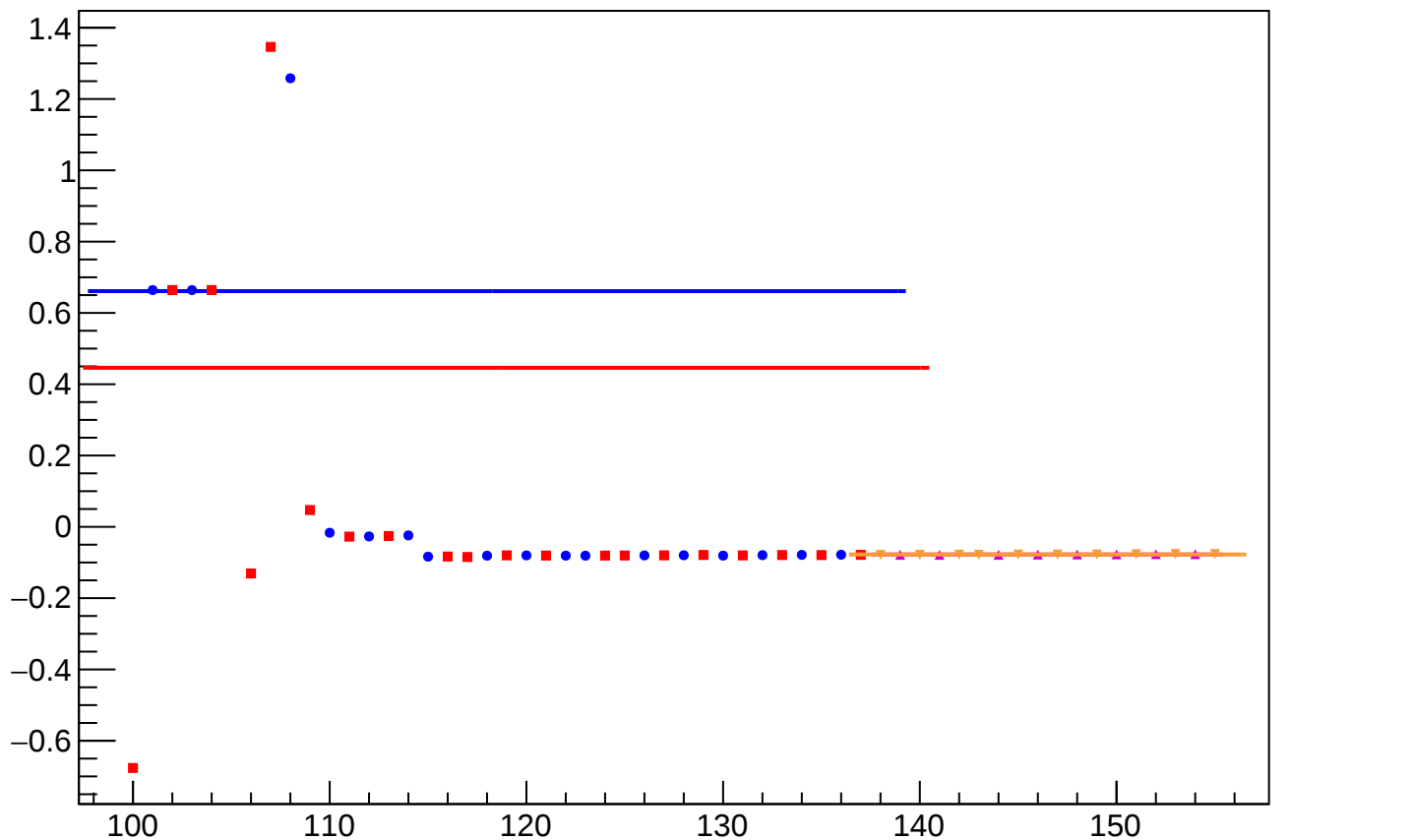
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:446393.3/7

0.000 $\pm$ 0.000 χ^2 /NDF: 19444011.0/26

0.000 $\pm$ 0.000 χ^2 /NDF: 38472930.7/54

0.000 $\pm$ 0.000 χ^2 /NDF: 19027137.8/27

yield_cav4dY_mean vs Slug, Sign Corrected



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

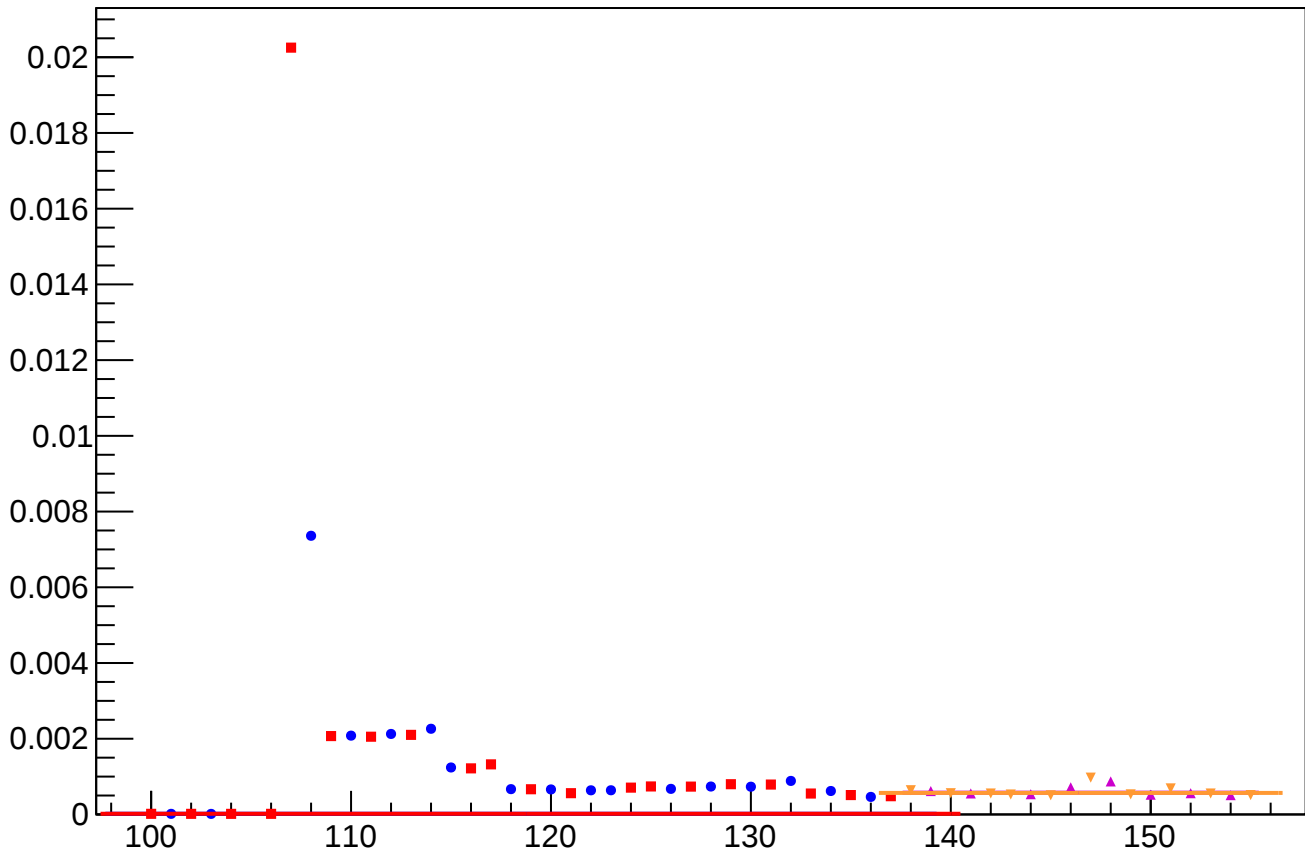
Left In: -0.078+/-0.000 χ^2/NDF : 11542820.6/7

0.655+/-0.000 χ^2/NDF : 17108515847940.2/26

0.544+/-0.000 χ^2/NDF : 48948681526270

0.443+/-0.000 χ^2/NDF : 410499310010191.2/27

yield_cav4dY_rms vs Slug, Sign Corrected



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

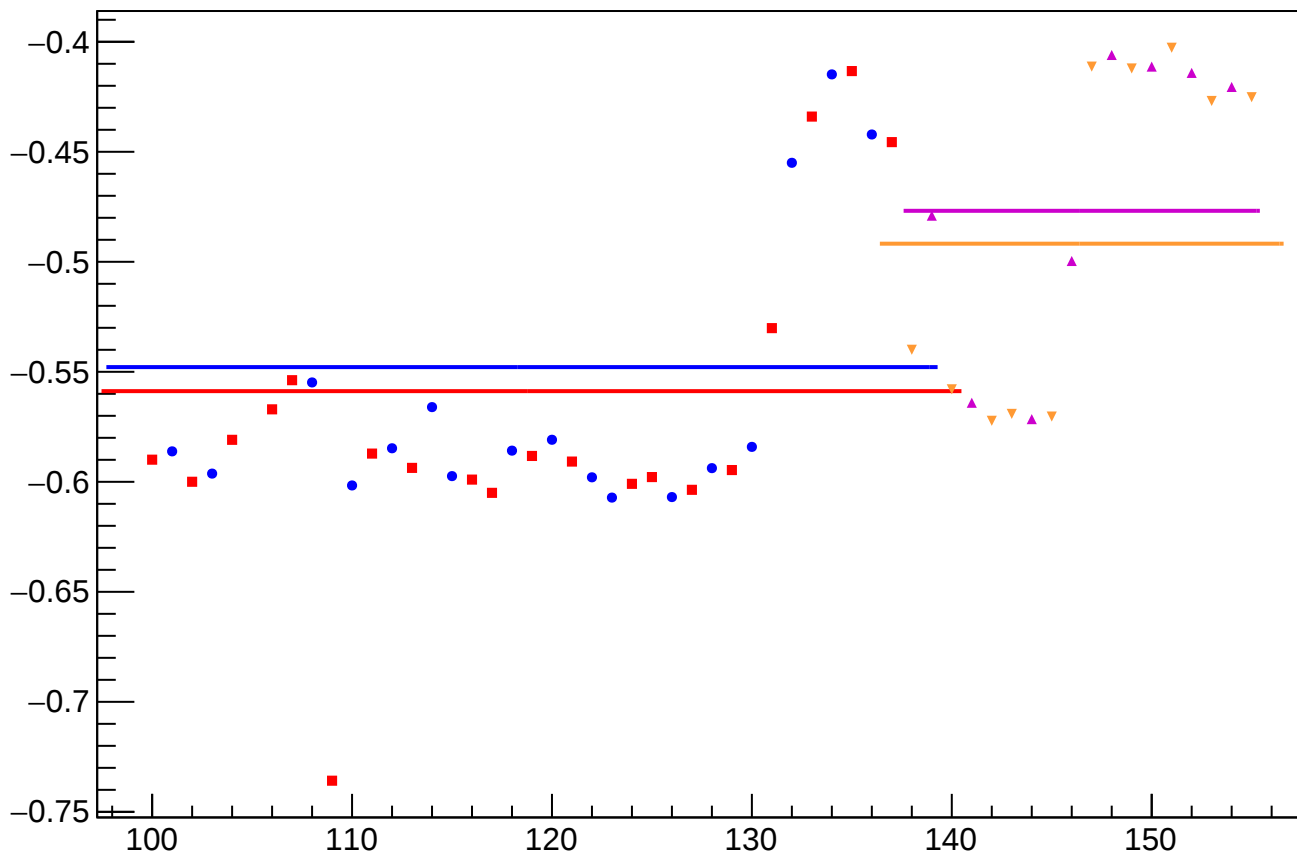
Left In: 0.001+/-0.000 χ^2/NDF : 300281.8/7

0.000+/-0.000 χ^2/NDF : 23068228.3/26

0.000+/-0.000 χ^2/NDF : 44391635.3/54

0.000+/-0.000 χ^2/NDF : 21321228.4/27

yield_bpm4aX_mean vs Slug, Sign Corrected



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

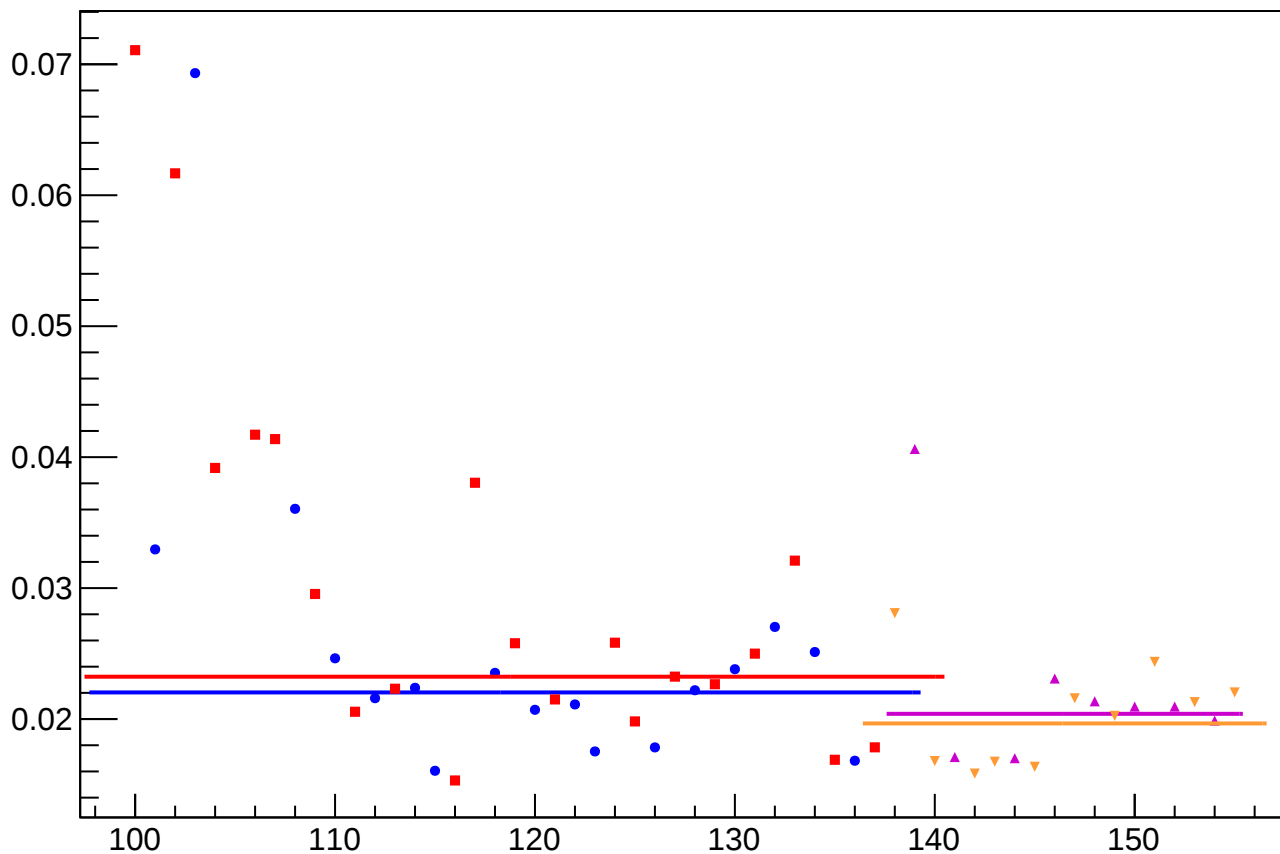
Left In: -0.477+/-0.000 χ^2/NDF : 60825949.6/7

-0.515+/-0.000 χ^2/NDF : 148125952.3/26

-0.515+/-0.000 χ^2/NDF : 311429339.6/54

-0.514+/-0.000 χ^2/NDF : 163271094.5/27

yield_bpm4aX_rms vs Slug, Sign Corrected



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

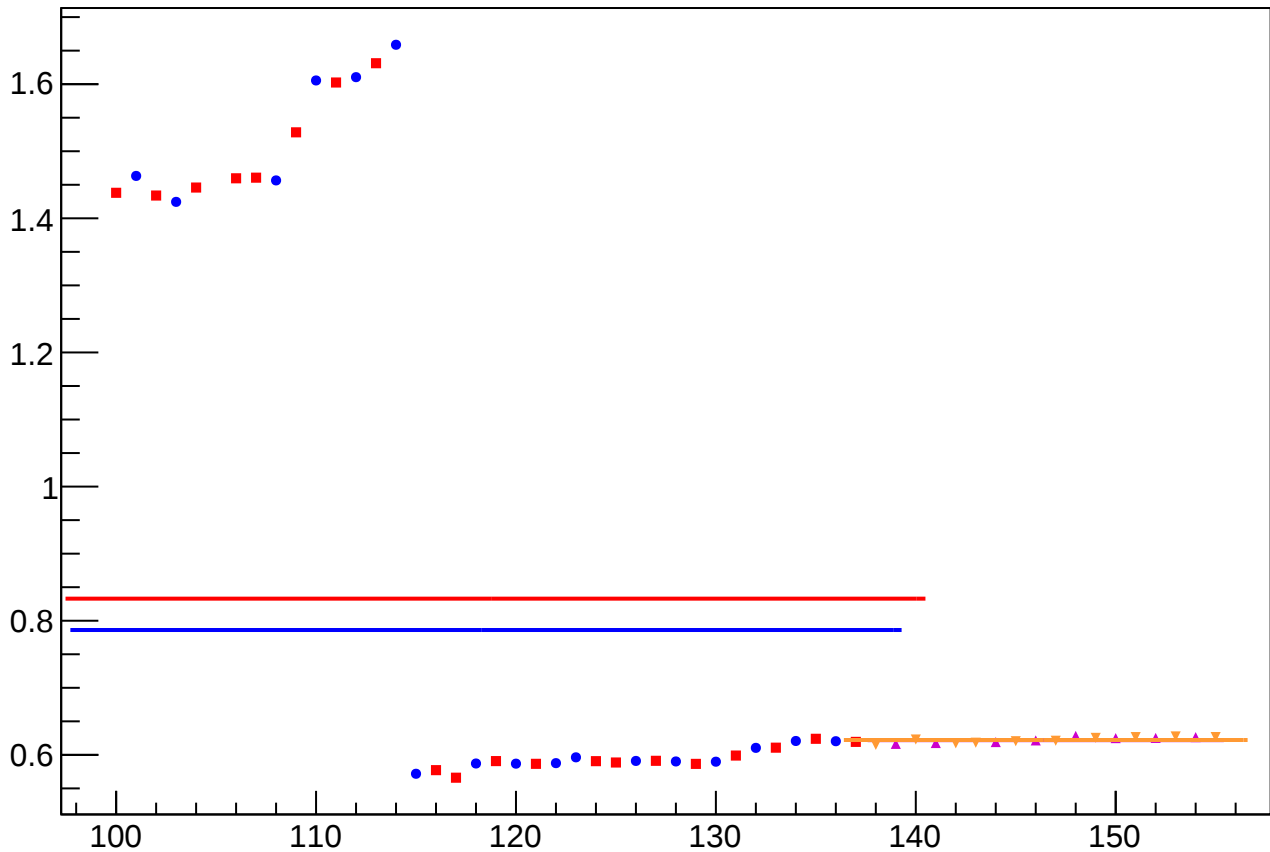
Left In: 0.020+/-0.000 χ^2/NDF : 450803.7/7

0.021+/-0.000 χ^2/NDF : 1355414.7/26

0.021+/-0.000 χ^2/NDF : 3087309.0/54

0.022+/-0.000 χ^2/NDF : 1707840.0/27

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.786 $\pm$ 0.000 χ^2/NDF : 3590113316.1/16

Left Out: 0.622 $\pm$ 0.000 χ^2/NDF : 778783.3/9

Right Out: 0.833 $\pm$ 0.000 χ^2/NDF : 4160348649.7/19

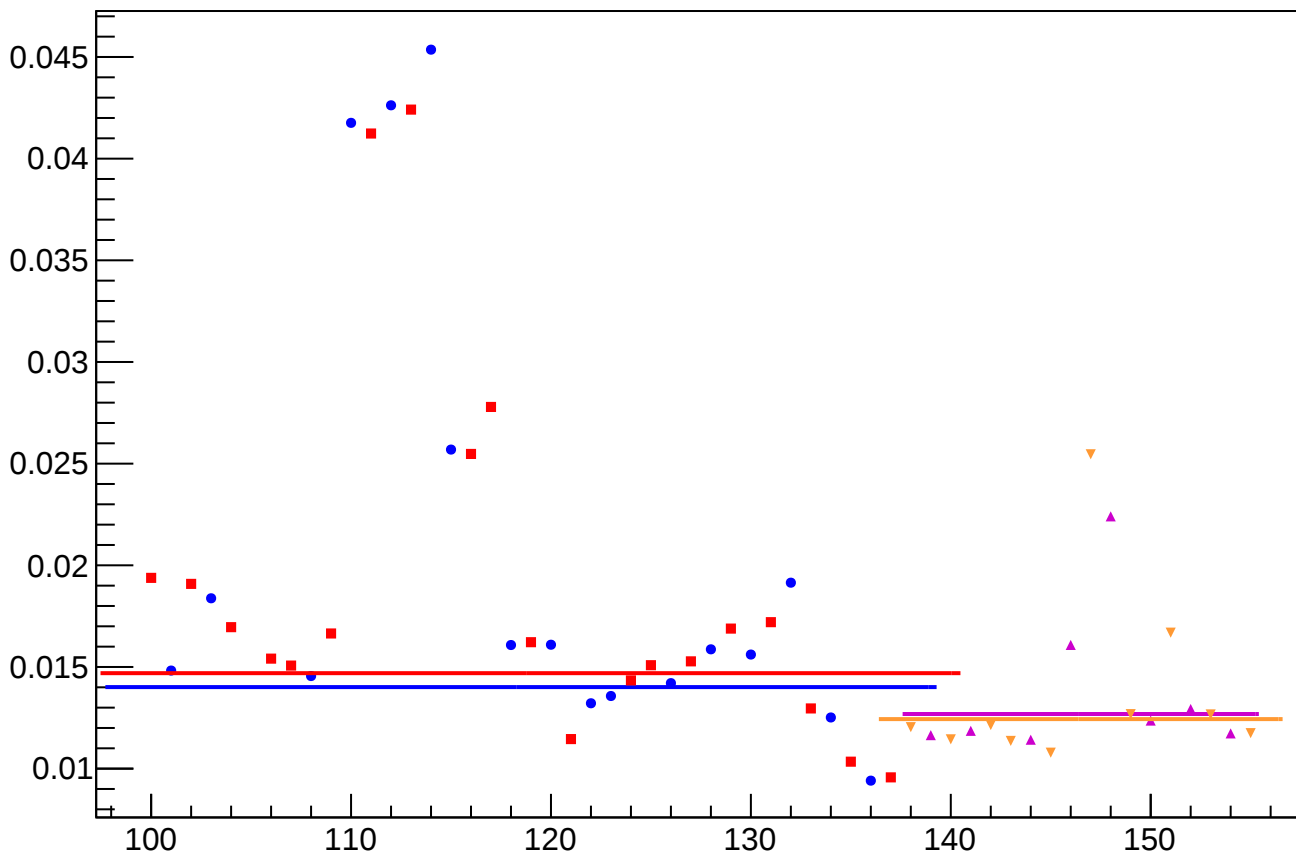
Left In: 0.622 $\pm$ 0.000 χ^2/NDF : 601393.3/7

0.687 $\pm$ 0.000 χ^2/NDF : 4060087712.6/26

0.699 $\pm$ 0.000 χ^2/NDF : 8958076267.1/54

0.712 $\pm$ 0.000 χ^2/NDF : 4877626510.3/27

yield_bpm4aY_rms vs Slug, Sign Corrected



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

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1280473.4/19

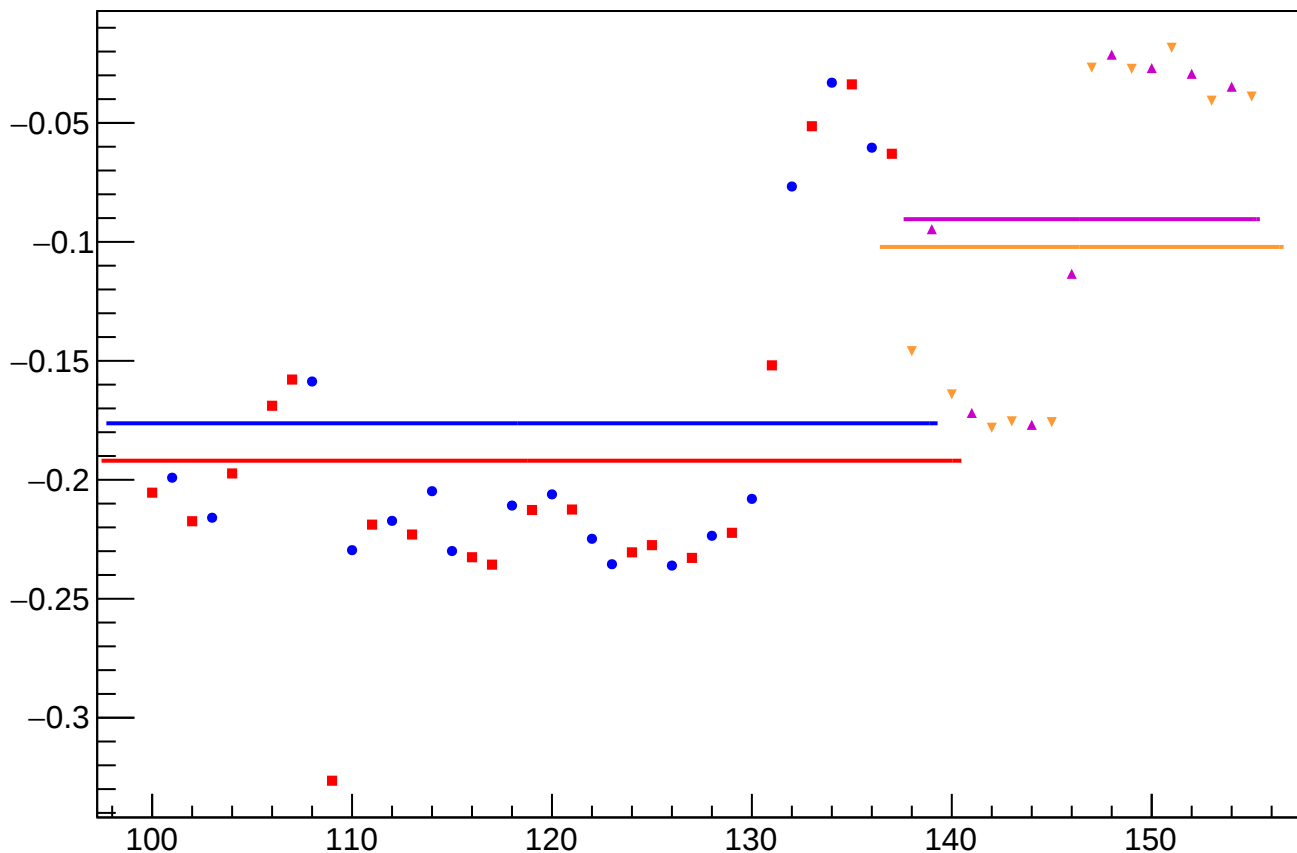
Left In: 0.013 $\pm$ 0.000 χ^2/NDF : 402445.2/7

0.013 $\pm$ 0.000 χ^2/NDF : 2038918.9/26

0.013 $\pm$ 0.000 χ^2/NDF : 3867569.8/54

0.014 $\pm$ 0.000 χ^2/NDF : 1812800.7/27

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.176+/-0.000 χ^2/NDF : 70137178.3/16

Left Out: -0.102+/-0.000 χ^2/NDF : 78036537.7/9

Right Out: -0.192+/-0.000 χ^2/NDF : 83899255.4/19

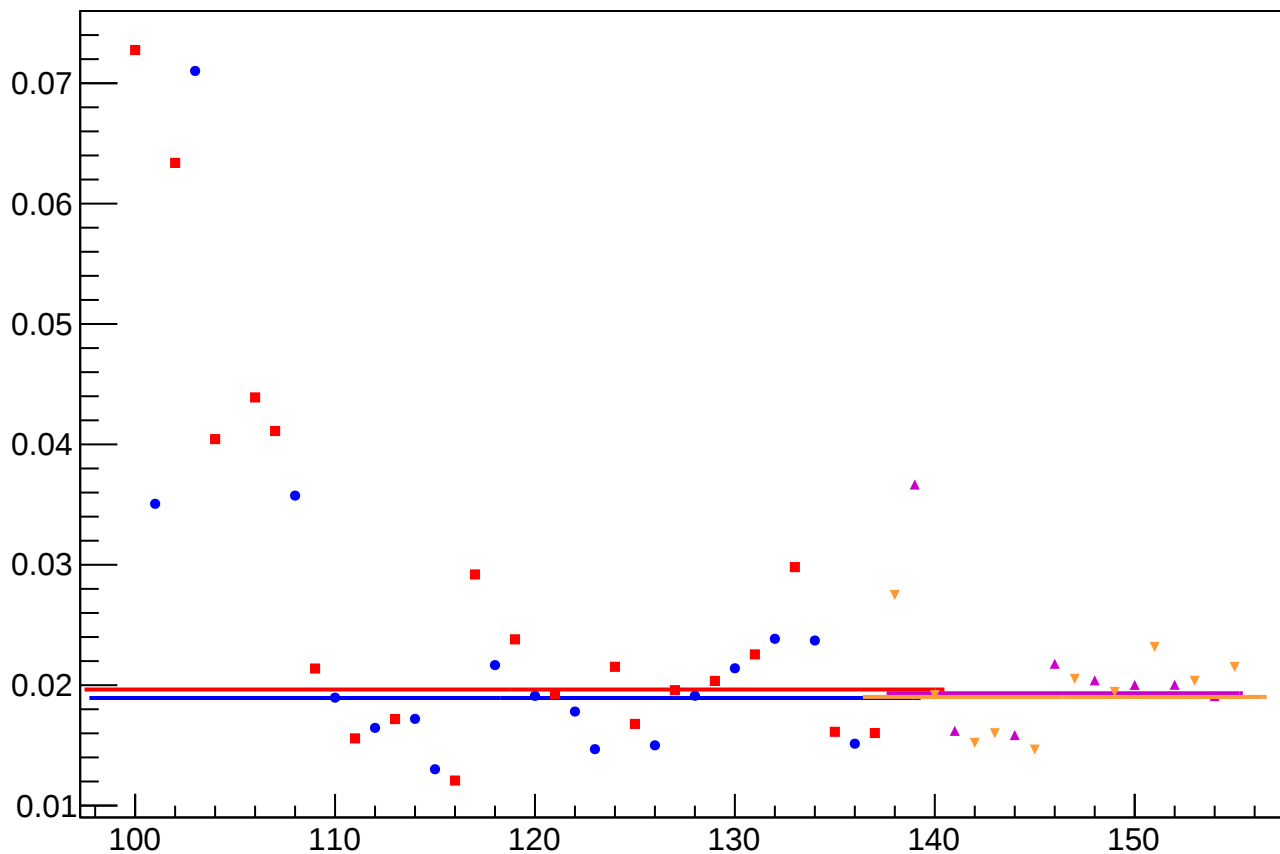
Left In: -0.090+/-0.000 χ^2/NDF : 61443941.0/7

-0.137+/-0.000 χ^2/NDF : 188750572.2/26

-0.139+/-0.000 χ^2/NDF : 404320893.9/54

-0.141+/-0.000 χ^2/NDF : 215338102.7/27

yield_bpm4eX_rms vs Slug, Sign Corrected



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

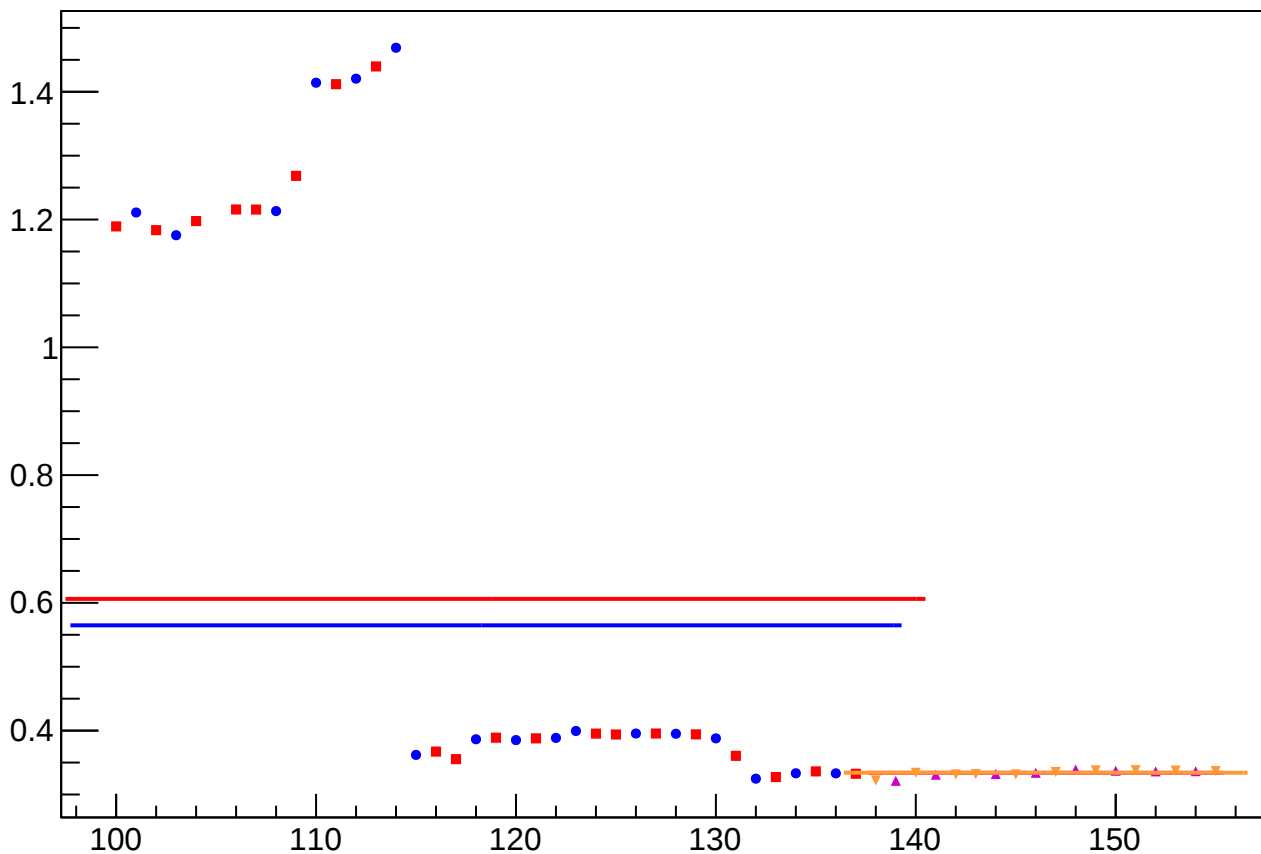
Left In: 0.019+/-0.000 χ^2/NDF : 429846.1/7

0.019+/-0.000 χ^2/NDF : 1564446.4/26

0.019+/-0.000 χ^2/NDF : 3469088.4/54

0.019+/-0.000 χ^2/NDF : 1897451.9/27

yield_bpm4eY_mean vs Slug, Sign Corrected



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

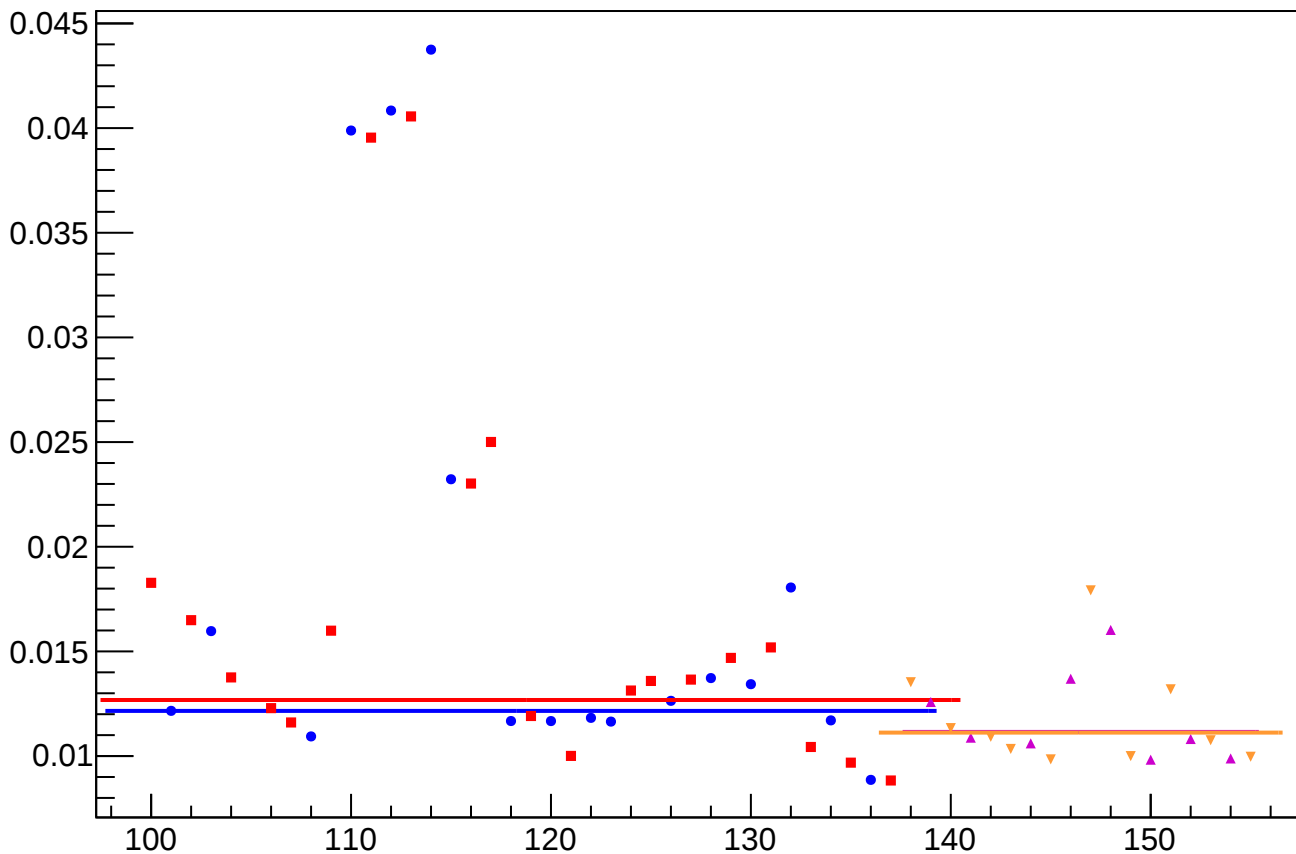
Left In: 0.334+/-0.000 χ^2/NDF :1000238.1/7

0.428+/-0.000 χ^2/NDF : 6237643937.7/26

0.439+/-0.000 χ^2/NDF : 13342949019.8/5

0.450+/-0.000 χ^2/NDF : 7084301945.3/27

yield_bpm4eY_rms vs Slug, Sign Corrected



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

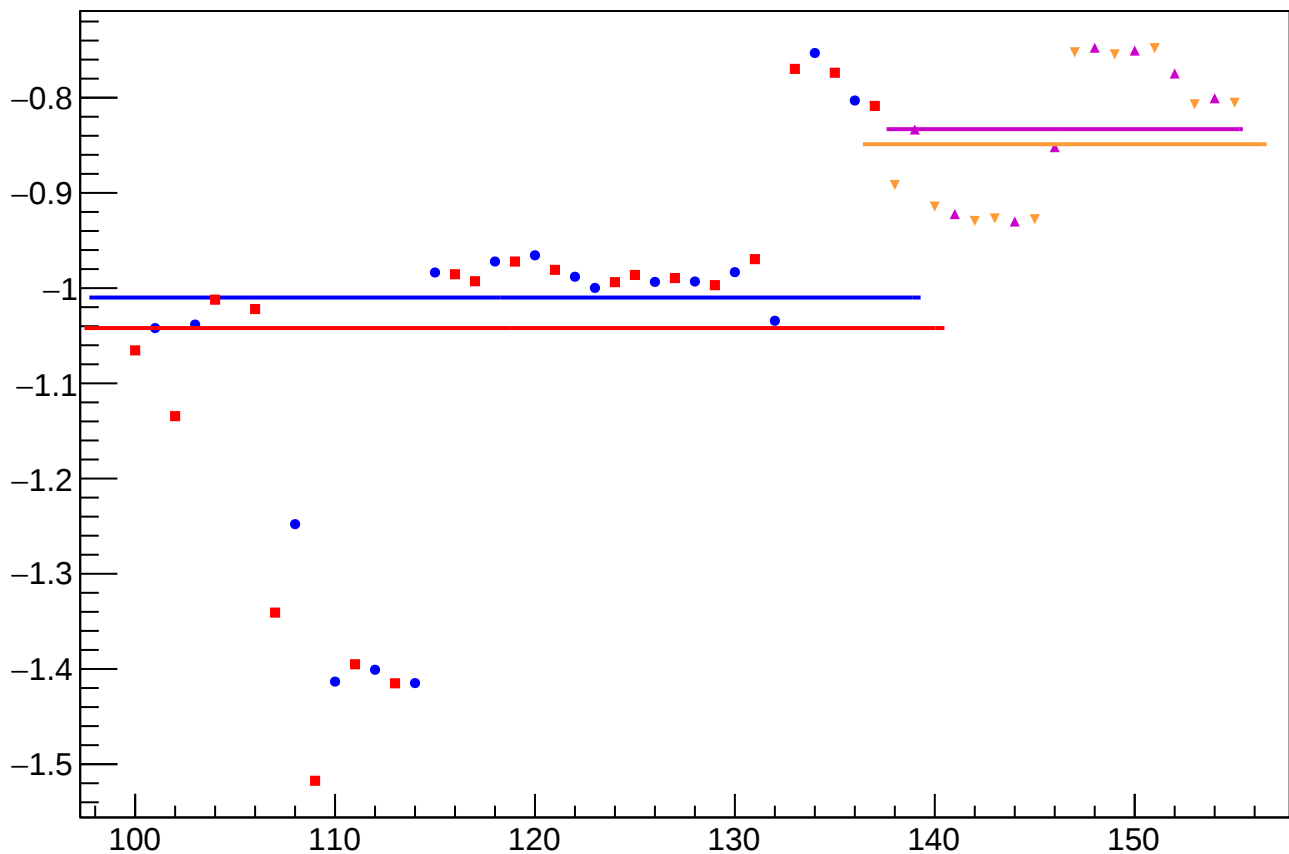
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 276145.8/7

0.012 $\pm$ 0.000 χ^2 /NDF: 1729655.7/26

0.012 $\pm$ 0.000 χ^2 /NDF: 3399521.8/54

0.012 $\pm$ 0.000 χ^2 /NDF: 1663815.3/27

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.010+/-0.000 χ^2/NDF : 387650332.0/16

Left Out: -0.849+/-0.000 χ^2/NDF : 88016724.0/9

Right Out: -1.042+/-0.000 χ^2/NDF : 530175104.2/19

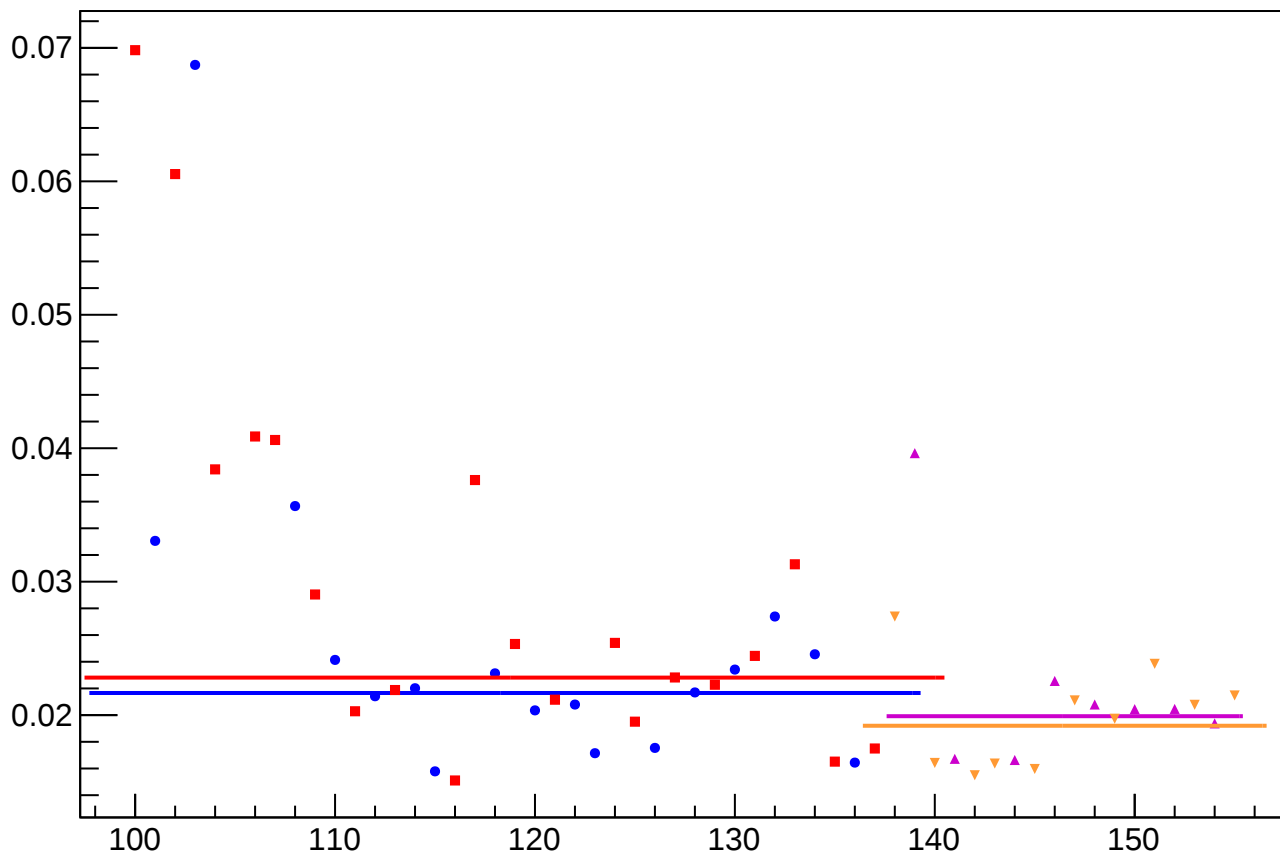
Left In: -0.833+/-0.000 χ^2/NDF : 68416164.5/7

-0.916+/-0.000 χ^2/NDF : 639681267.6/26

-0.921+/-0.000 χ^2/NDF : 1487918318.3/54

-0.926+/-0.000 χ^2/NDF : 846941449.3/27

yield_bpm4acX_rms vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 1165116.5/19$

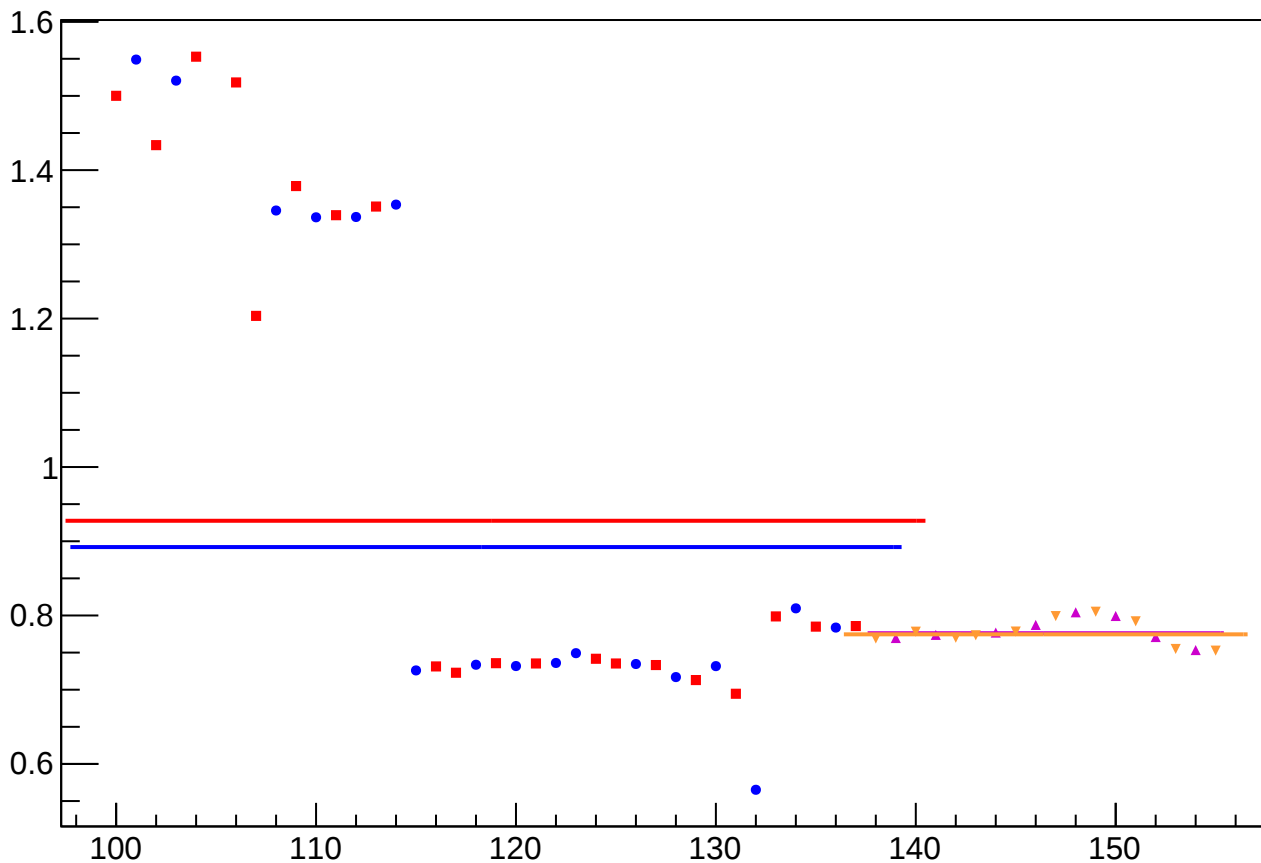
Left In: 0.020 ± 0.000 $\chi^2/\text{NDF}: 448456.5/7$

0.020 ± 0.000 $\chi^2/\text{NDF}: 1386489.7/26$

0.021 ± 0.000 $\chi^2/\text{NDF}: 3118897.4/54$

0.021 ± 0.000 $\chi^2/\text{NDF}: 1708786.5/27$

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.892+/-0.000 χ^2/NDF : 2413732173.6/16

Left Out: 0.775+/-0.000 χ^2/NDF : 11016201.1/9

Right Out: 0.928+/-0.000 χ^2/NDF : 2439574936.7/19

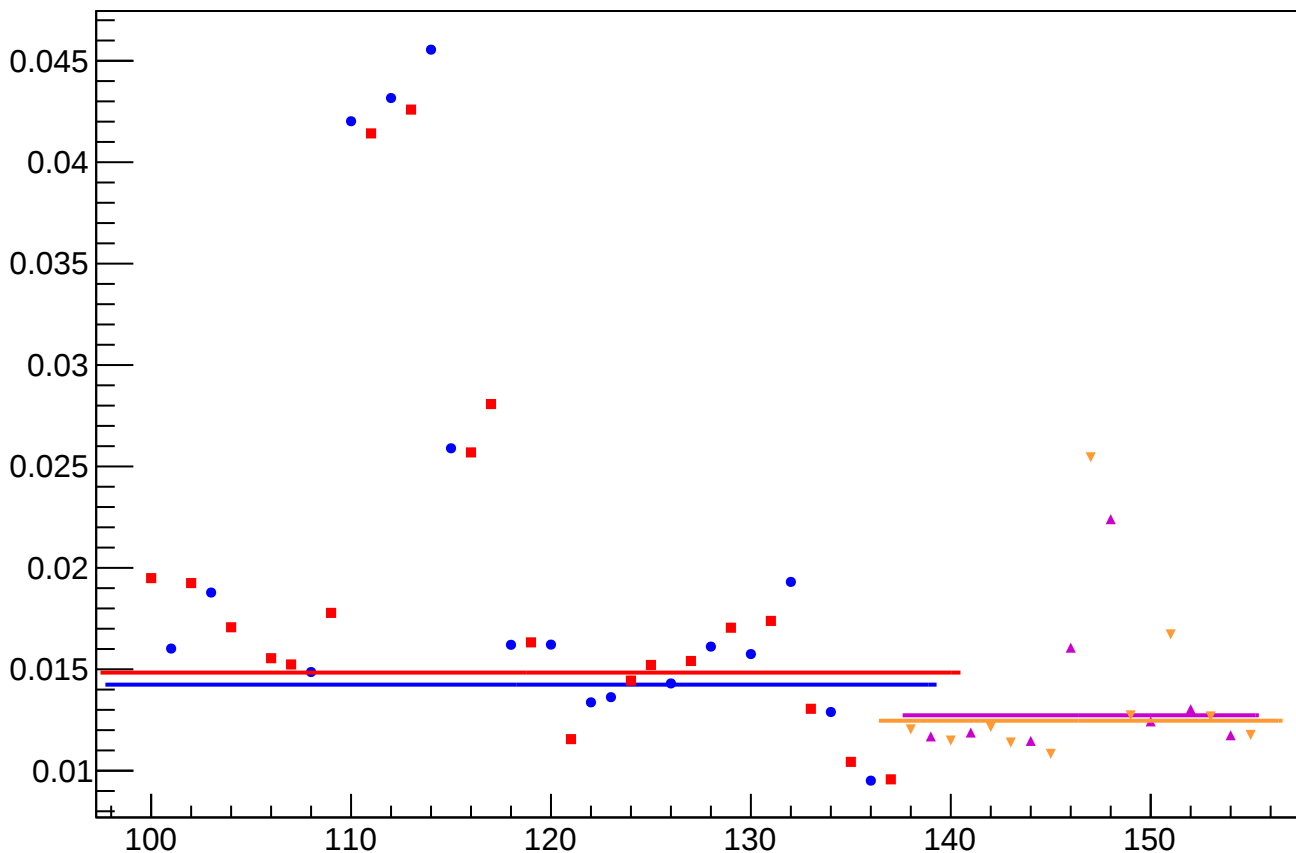
Left In: 0.776+/-0.000 χ^2/NDF : 8025711.3/7

0.820+/-0.000 χ^2/NDF : 2659898995.2/26

0.830+/-0.000 χ^2/NDF : 5483801576.3/54

0.840+/-0.000 χ^2/NDF : 2810912779.9/27

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1415681.3/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:544066.1/9

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1291174.0/19

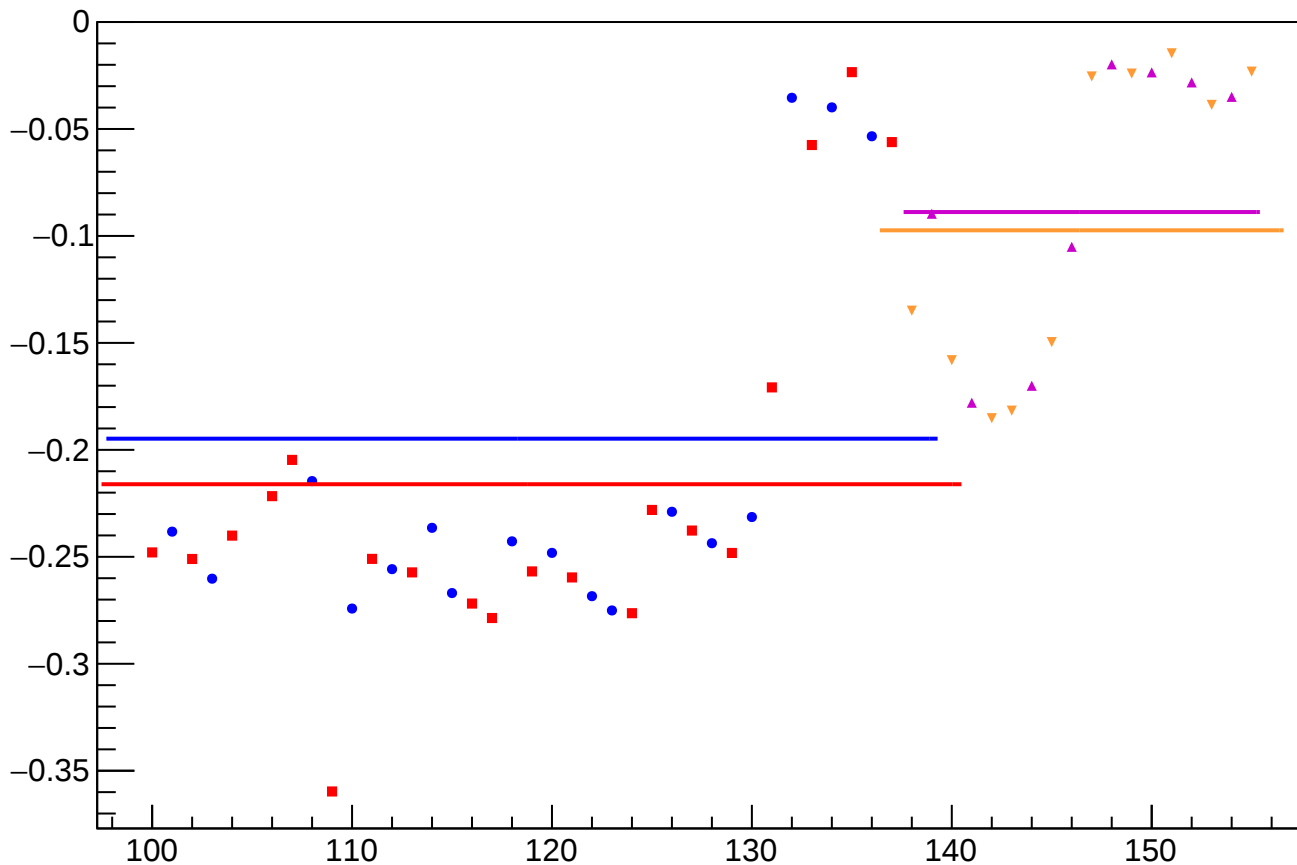
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:398287.6/7

0.013 $\pm$ 0.000 χ^2 /NDF: 2067237.4/26

0.013 $\pm$ 0.000 χ^2 /NDF: 3911598.3/54

0.014 $\pm$ 0.000 χ^2 /NDF: 1829885.7/27

yield_bpm4ecX_mean vs Slug, Sign Corrected



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

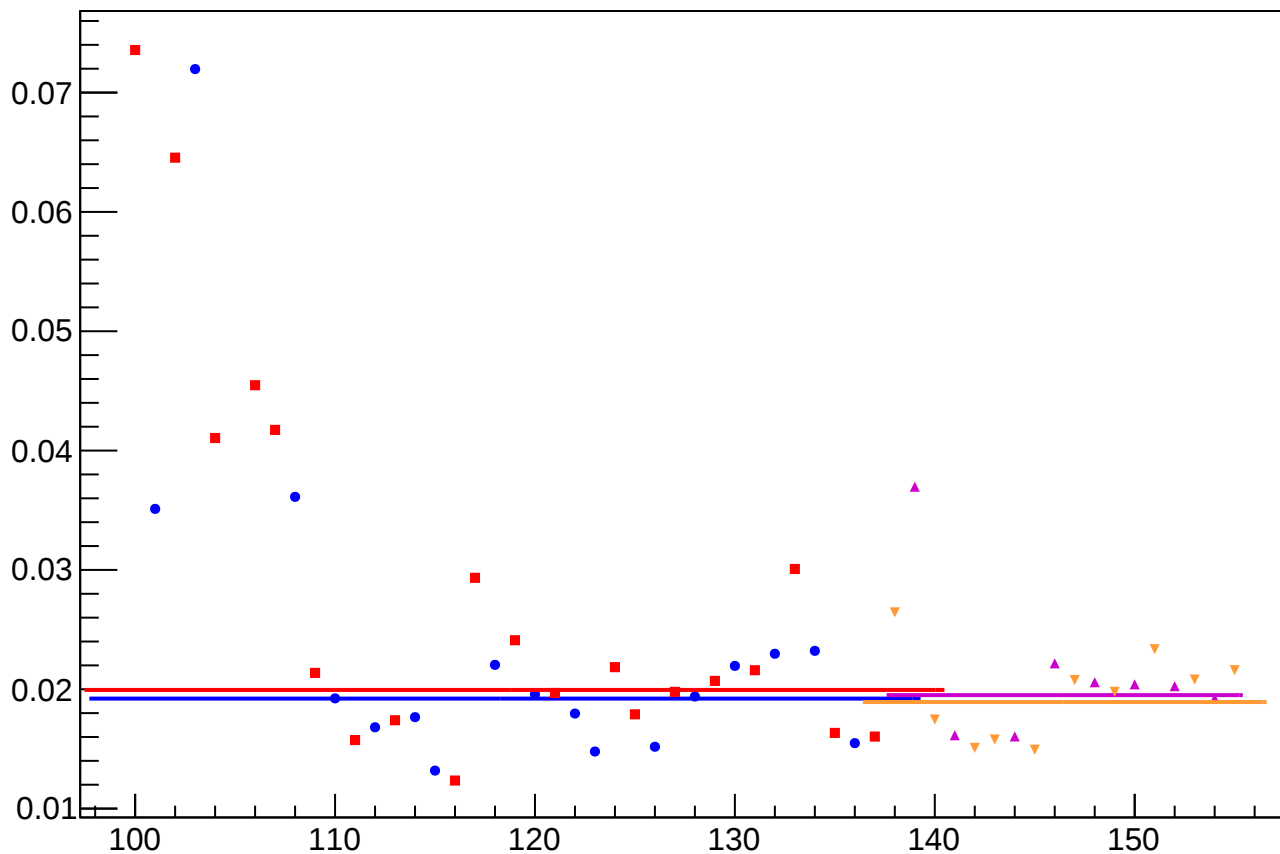
Left In: -0.089+/-0.000 χ^2/NDF : 60842912.5/7

-0.143+/-0.000 χ^2/NDF : 254327175.2/26

-0.147+/-0.000 χ^2/NDF : 535748348.2/54

-0.152+/-0.000 χ^2/NDF : 280211817.7/27

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019 ± 0.000 $\chi^2/\text{NDF}: 1177085.4/16$

Left Out: 0.019 ± 0.000 $\chi^2/\text{NDF}: 350808.8/9$

Right Out: 0.020 ± 0.000 $\chi^2/\text{NDF}: 1455211.7/19$

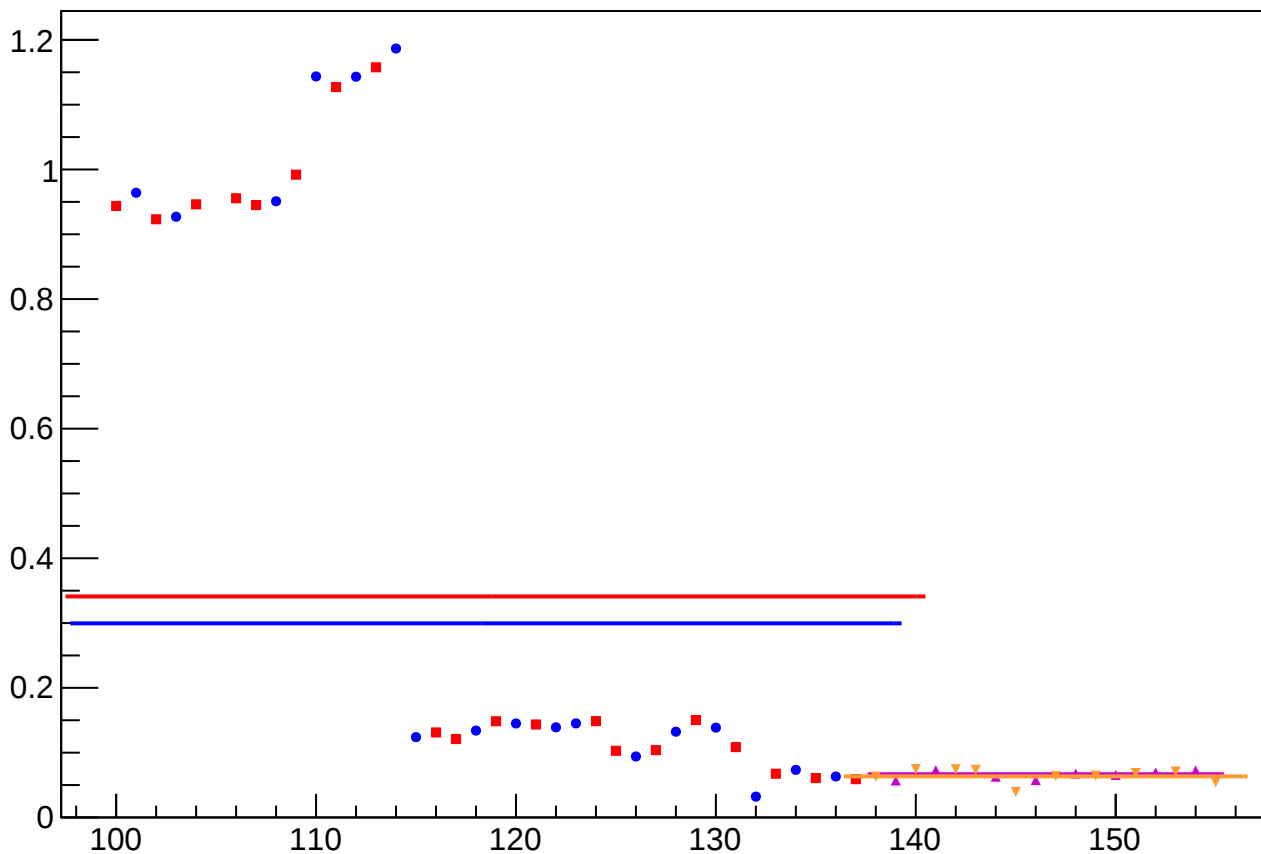
Left In: 0.020 ± 0.000 $\chi^2/\text{NDF}: 438084.5/7$

0.019 ± 0.000 $\chi^2/\text{NDF}: 1529094.7/26$

0.019 ± 0.000 $\chi^2/\text{NDF}: 3437054.8/54$

0.020 ± 0.000 $\chi^2/\text{NDF}: 1895791.1/27$

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.300+/-0.000 χ^2/NDF : 5165052137.6/16

Left Out: 0.063+/-0.000 χ^2/NDF : 7436720.5/9

0.159+/-0.000 χ^2/NDF : 6466160660.2/26

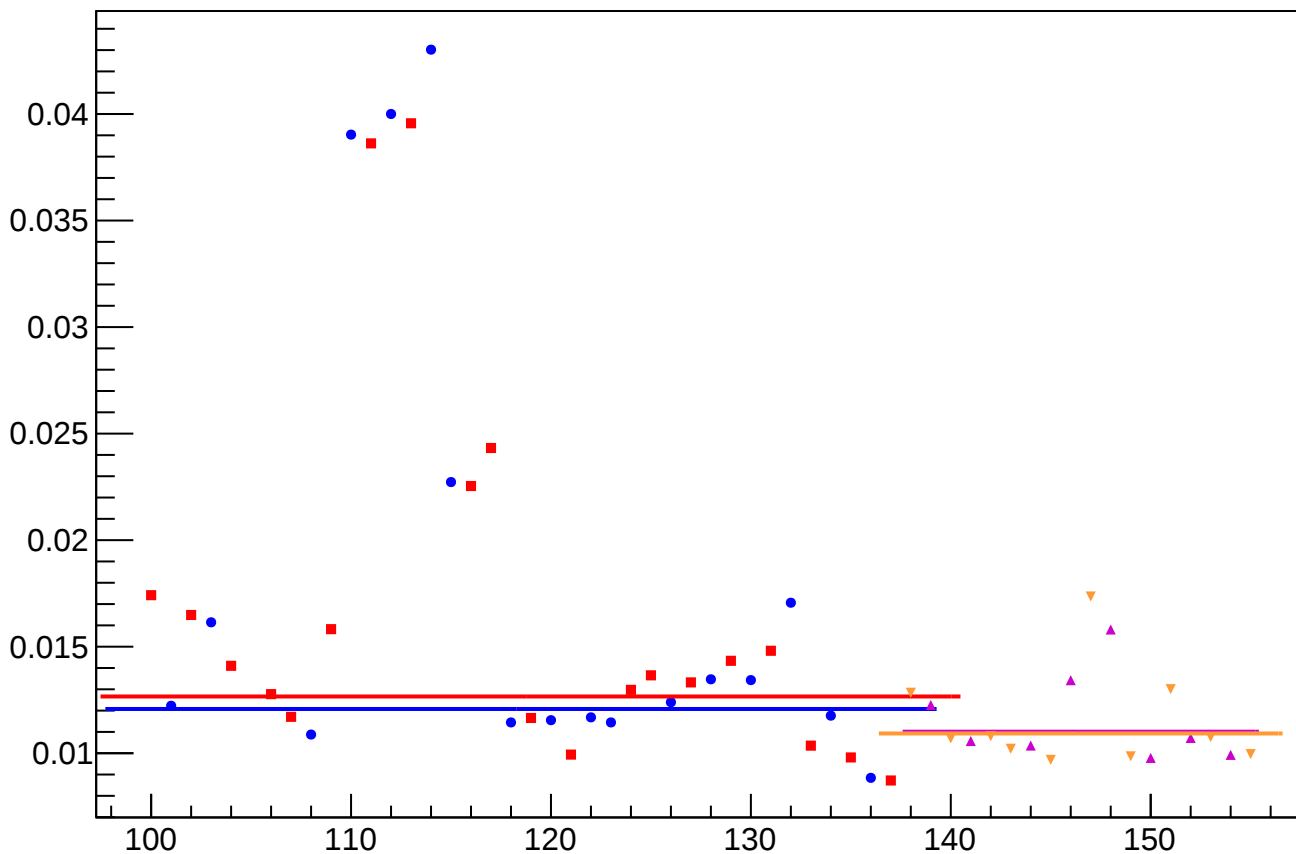
Right Out: 0.341+/-0.000 χ^2/NDF : 5453748737.7/19

0.170+/-0.000 χ^2/NDF : 13557719462.0/5

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, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1282097.7/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:338910.1/9

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1255391.1/19

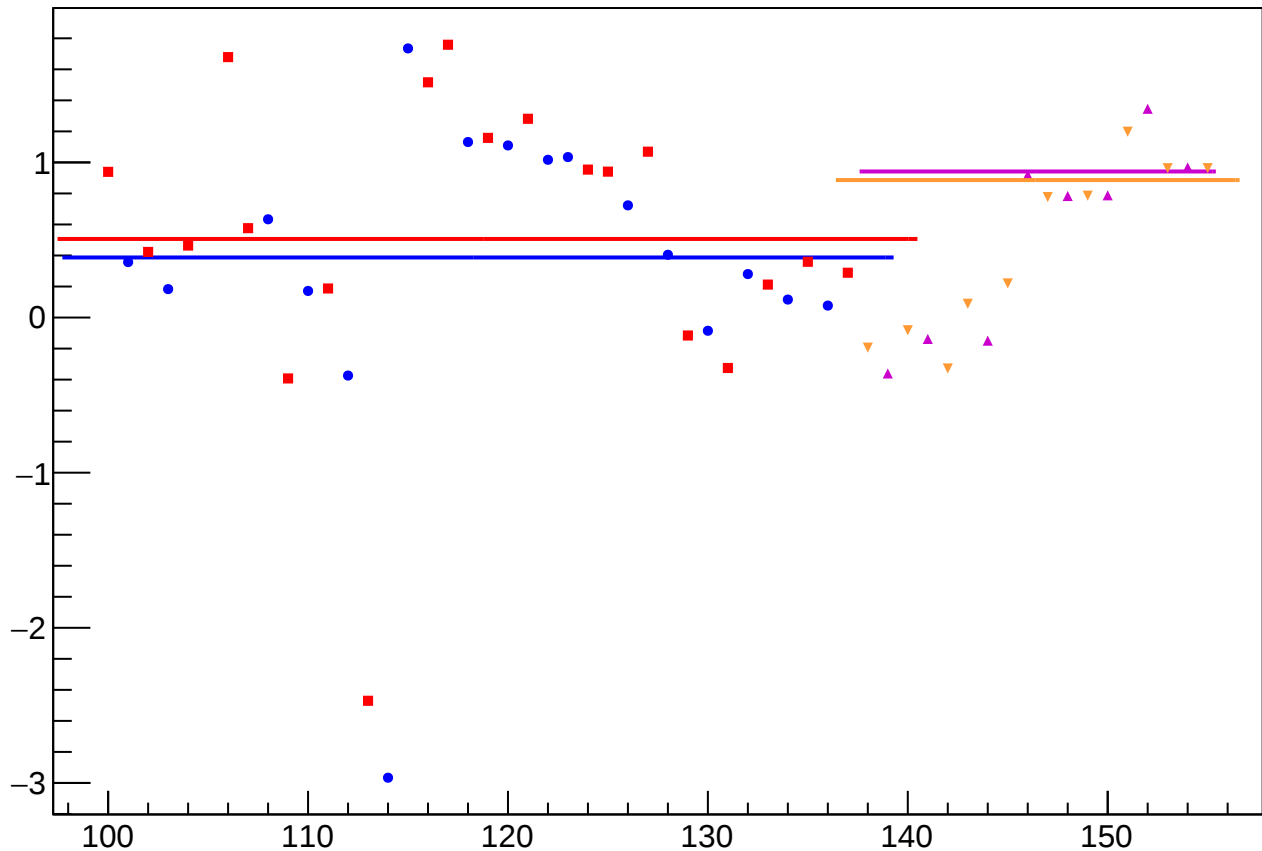
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:261726.1/7

0.011 $\pm$ 0.000 χ^2 /NDF: 1682240.5/26

0.012 $\pm$ 0.000 χ^2 /NDF: 3325211.8/54

0.012 $\pm$ 0.000 χ^2 /NDF: 1633844.7/27

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.387 ± 0.000 χ^2/NDF : 247912593.5/16

Left Out: 0.886 ± 0.000 χ^2/NDF : 685161322.5/9

Right Out: 0.507 ± 0.000 χ^2/NDF : 995347030.4/19

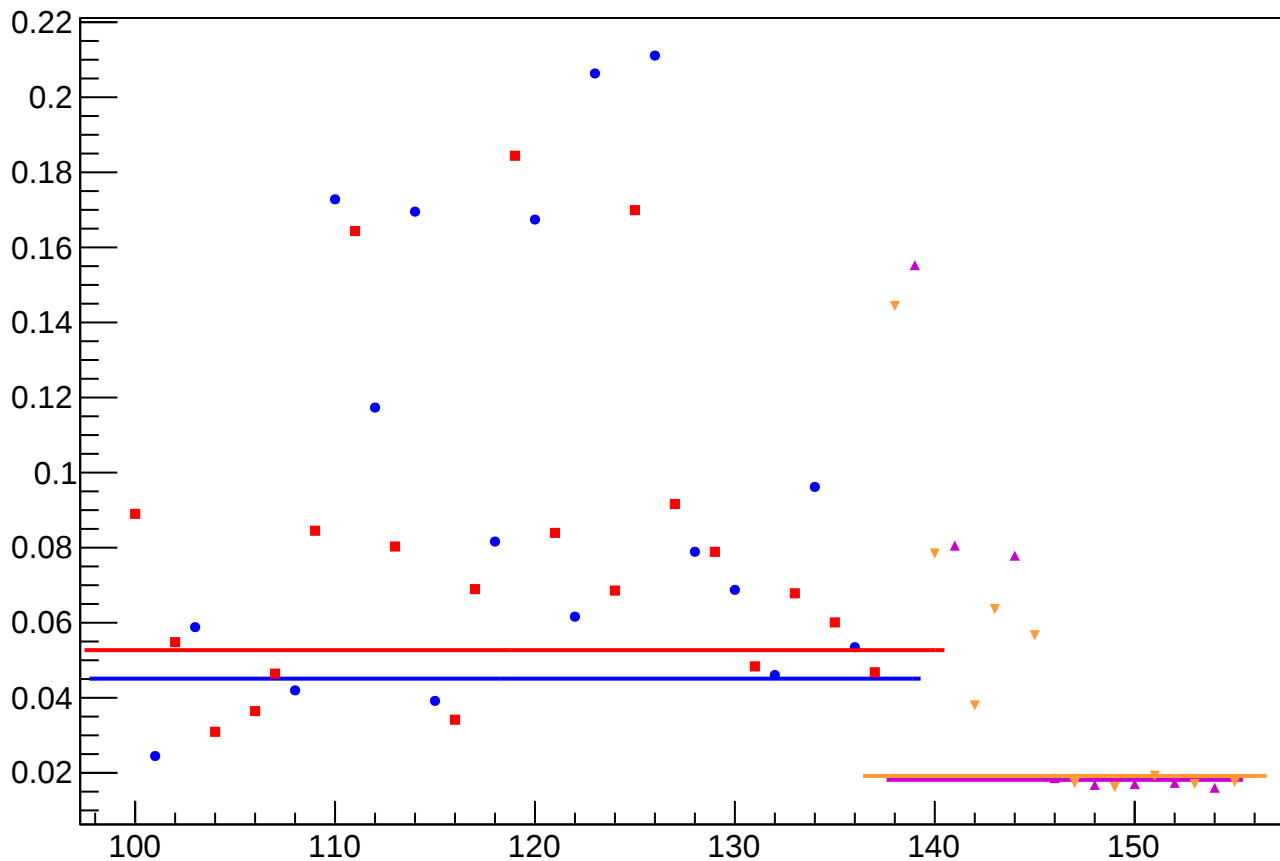
Left In: 0.942 ± 0.000 χ^2/NDF : 744909636.2/7

0.823 ± 0.000 χ^2/NDF : 1313261799.3/26

0.859 ± 0.000 χ^2/NDF : 3341419047.9/54

0.894 ± 0.000 χ^2/NDF : 1993219306.5/27

yield_bpm1X_rms vs Slug, Sign Corrected



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

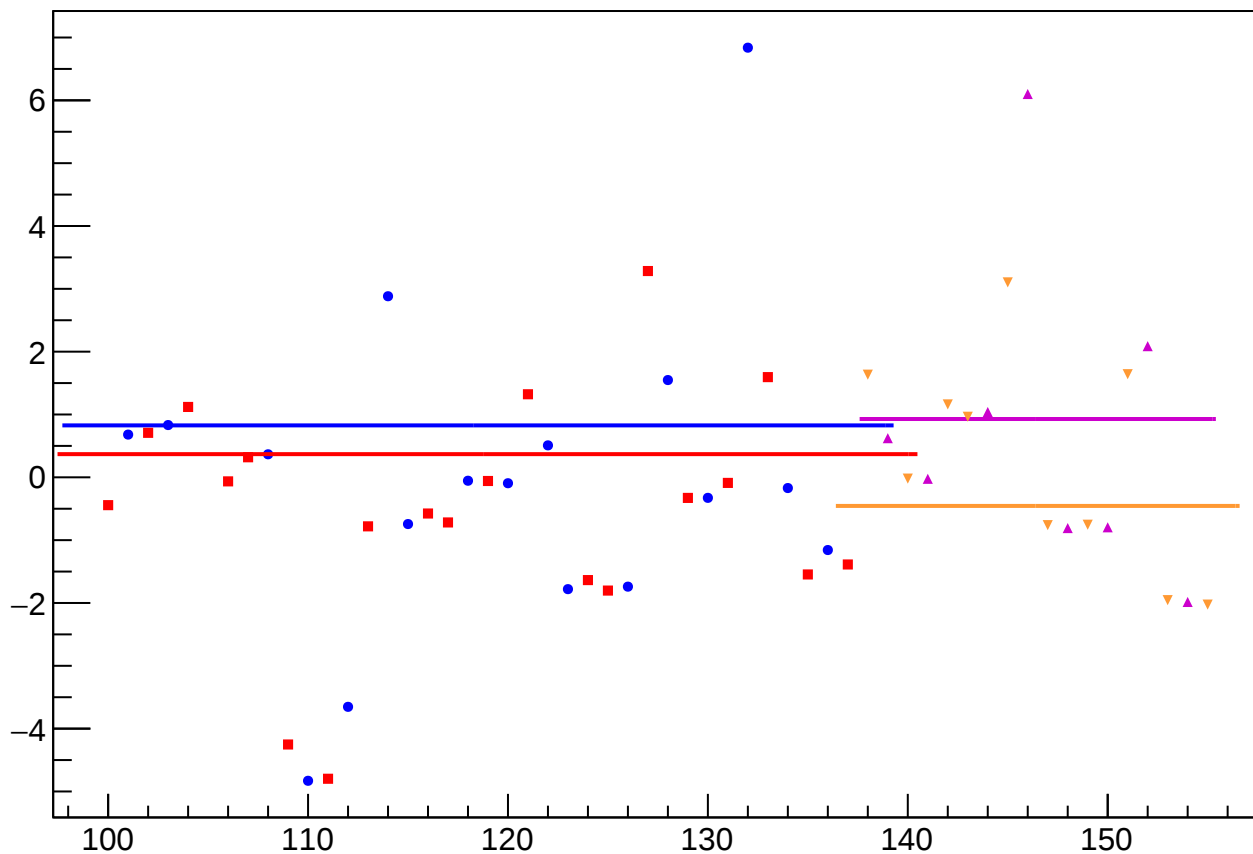
Left In: 0.018+/-0.000 χ^2/NDF : 2170703.1/7

0.022+/-0.000 χ^2/NDF : 7431782.0/26

0.022+/-0.000 χ^2/NDF : 14993946.6/54

0.022+/-0.000 χ^2/NDF : 7558066.0/27

yield_bpm1Y_mean vs Slug, Sign Corrected



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

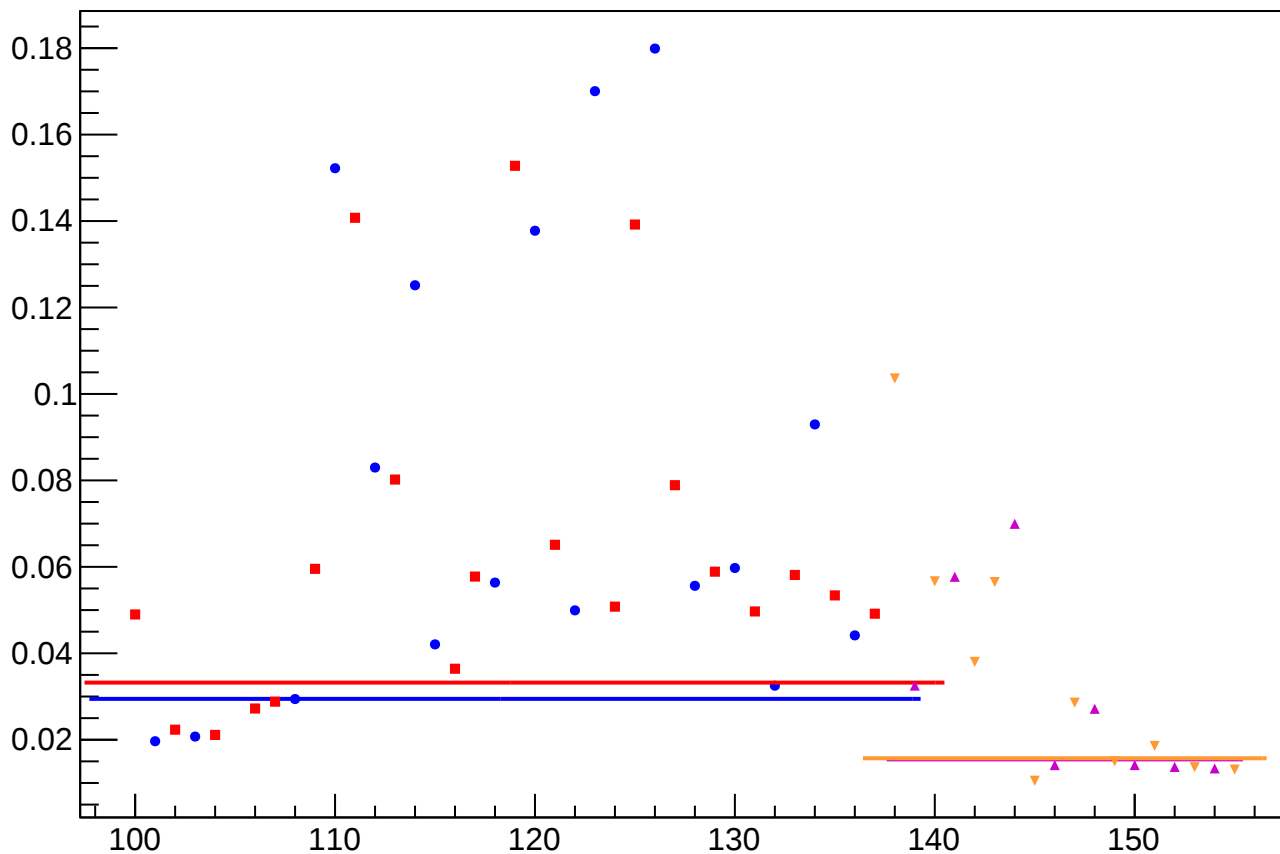
Left In: 0.928 ± 0.000 χ^2/NDF : 153660665203.6/7

-0.230 ± 0.000 χ^2/NDF : 82027370281.2/26

0.294 ± 0.000 χ^2/NDF : 254119792778.3/7

0.837 ± 0.000 χ^2/NDF : 159566013866.3/27

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029 $\pm$ 0.000 χ^2/NDF : 3053519.6/16

Left Out: 0.016 $\pm$ 0.000 χ^2/NDF : 2518399.6/9

Right Out: 0.033 $\pm$ 0.000 χ^2/NDF : 3110014.7/19

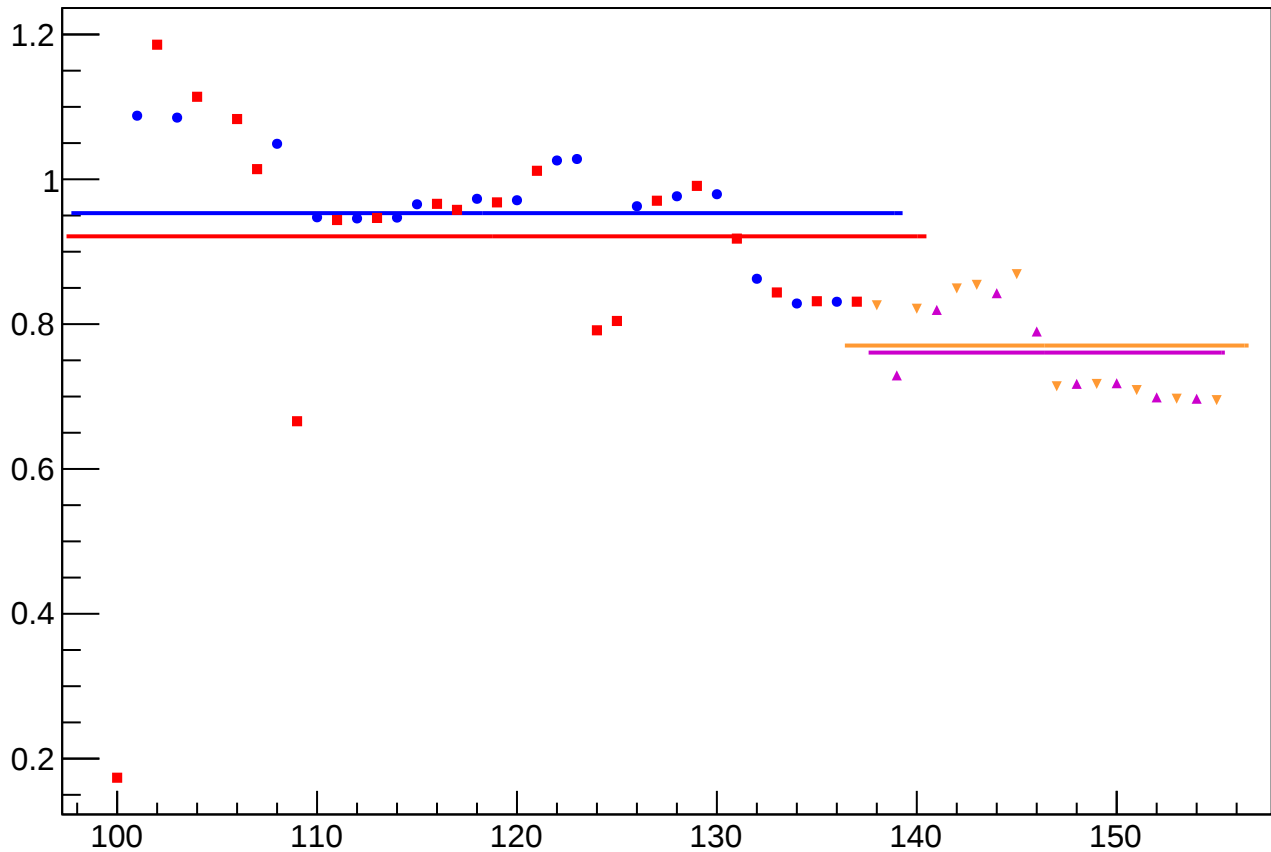
Left In: 0.015 $\pm$ 0.000 χ^2/NDF : 1650323.0/7

0.018 $\pm$ 0.000 χ^2/NDF : 6797387.0/26

0.018 $\pm$ 0.000 χ^2/NDF : 13414848.8/54

0.018 $\pm$ 0.000 χ^2/NDF : 6616498.4/27

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953+/-0.000 χ^2/NDF : 175396553.4/16

Left Out: 0.770+/-0.000 χ^2/NDF : 190505762.4/9

Right Out: 0.921+/-0.000 χ^2/NDF : 374376205.4/19

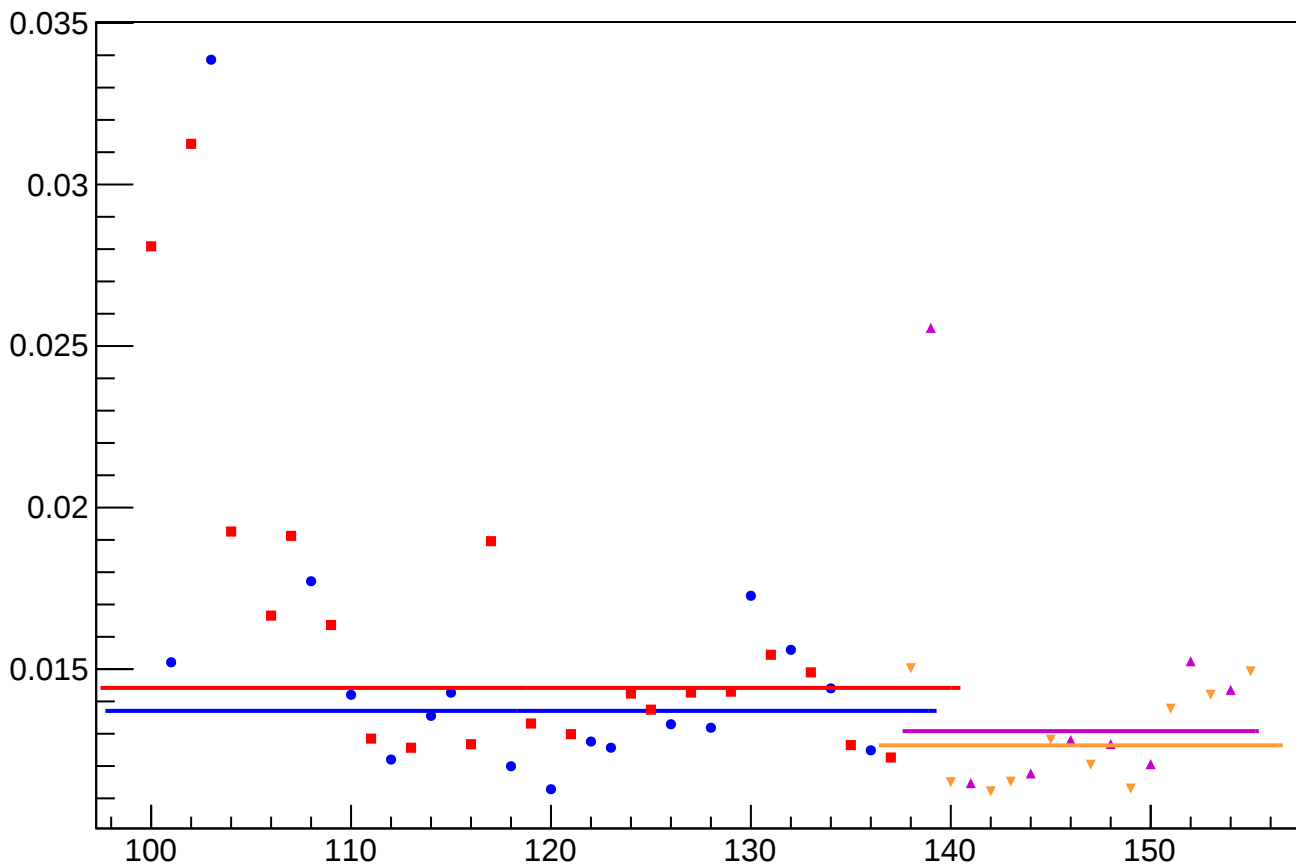
Left In: 0.761+/-0.000 χ^2/NDF : 106390358.4/7

0.851+/-0.000 χ^2/NDF : 947520369.2/26

0.844+/-0.000 χ^2/NDF : 1838182170.6/54

0.836+/-0.000 χ^2/NDF : 883733811.4/27

yield_bpm11X_rms vs Slug, Sign Corrected



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

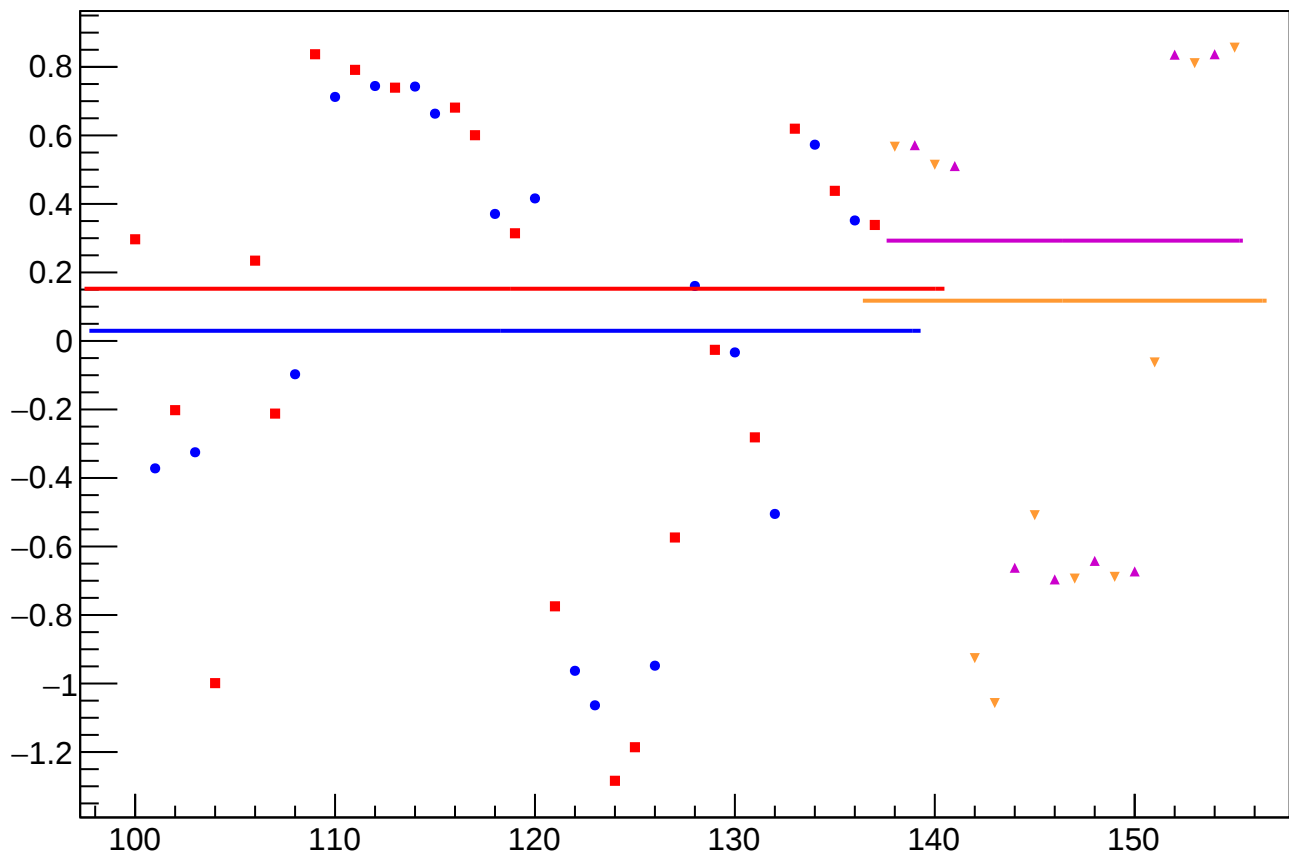
Left In: 0.013+/-0.000 χ^2/NDF :416636.3/7

0.013+/-0.000 χ^2/NDF : 736579.2/26

0.013+/-0.000 χ^2/NDF : 1739842.3/54

0.014+/-0.000 χ^2/NDF : 979181.5/27

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.030 $\pm$ 0.000 χ^2/NDF : 6294824795.0/16

Left Out: 0.118 $\pm$ 0.000 χ^2/NDF : 21436974451.3/9

Right Out: 0.152 $\pm$ 0.000 χ^2/NDF : 12673501089.9/19

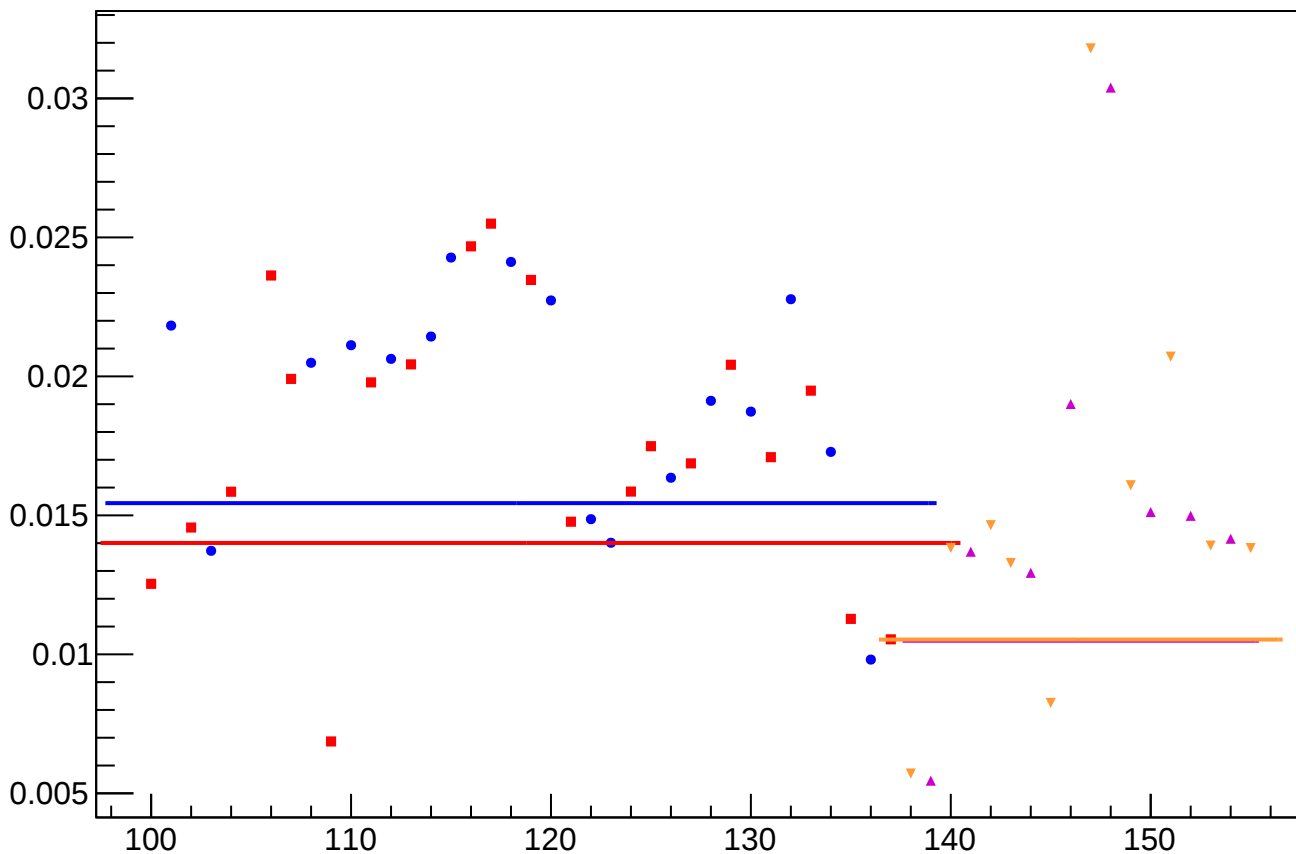
Left In: 0.293 $\pm$ 0.000 χ^2/NDF : 14726265303.9/7

0.089 $\pm$ 0.000 χ^2/NDF : 27855943563.1/26

0.163 $\pm$ 0.000 χ^2/NDF : 56410448872.1/5

0.238 $\pm$ 0.000 χ^2/NDF : 27743851291.3/27

yield_bpm11Y_rms vs Slug, Sign Corrected



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

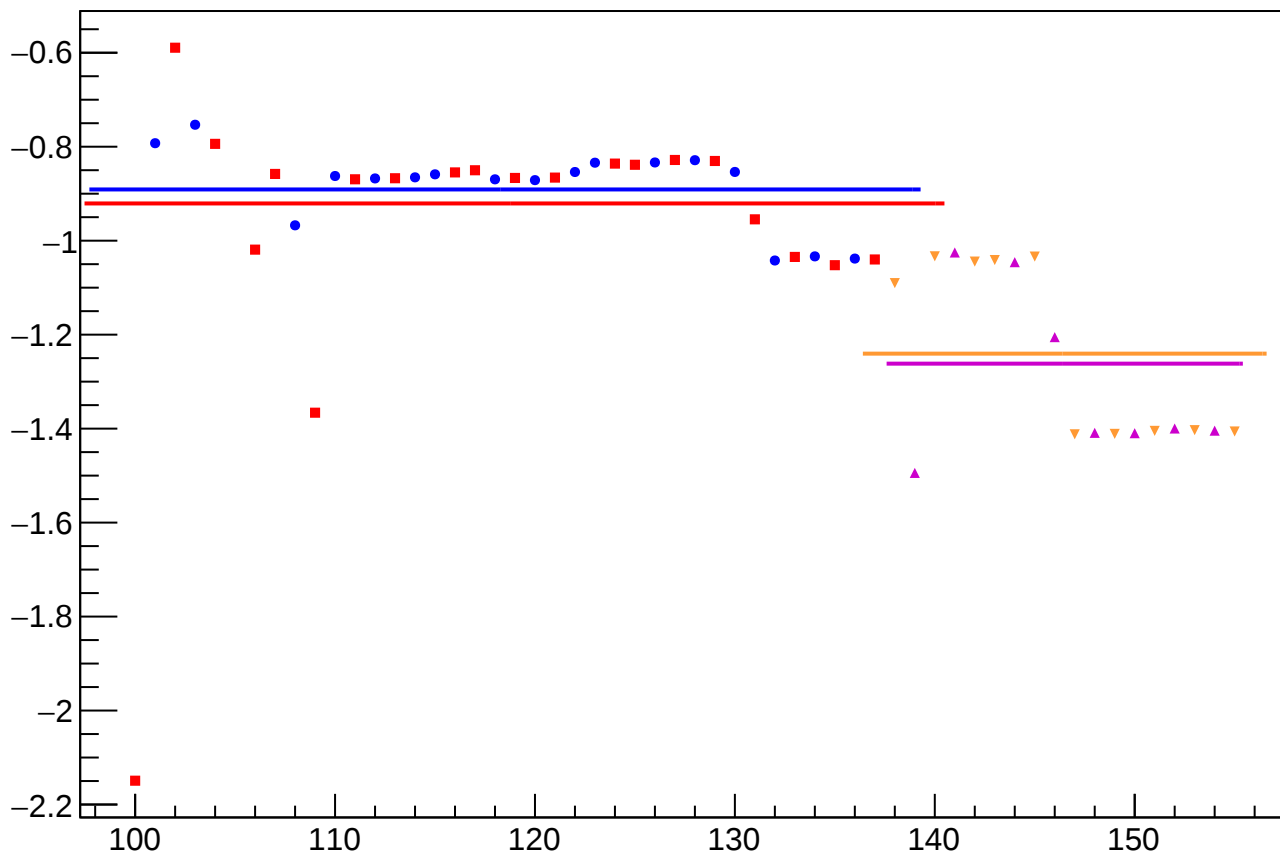
Left In: 0.010+/-0.000 χ^2/NDF : 2570506.9/7

0.012+/-0.000 χ^2/NDF : 4449303.9/26

0.012+/-0.000 χ^2/NDF : 9032304.3/54

0.012+/-0.000 χ^2/NDF : 4578523.3/27

yield_bpm12X_mean vs Slug, Sign Corrected



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

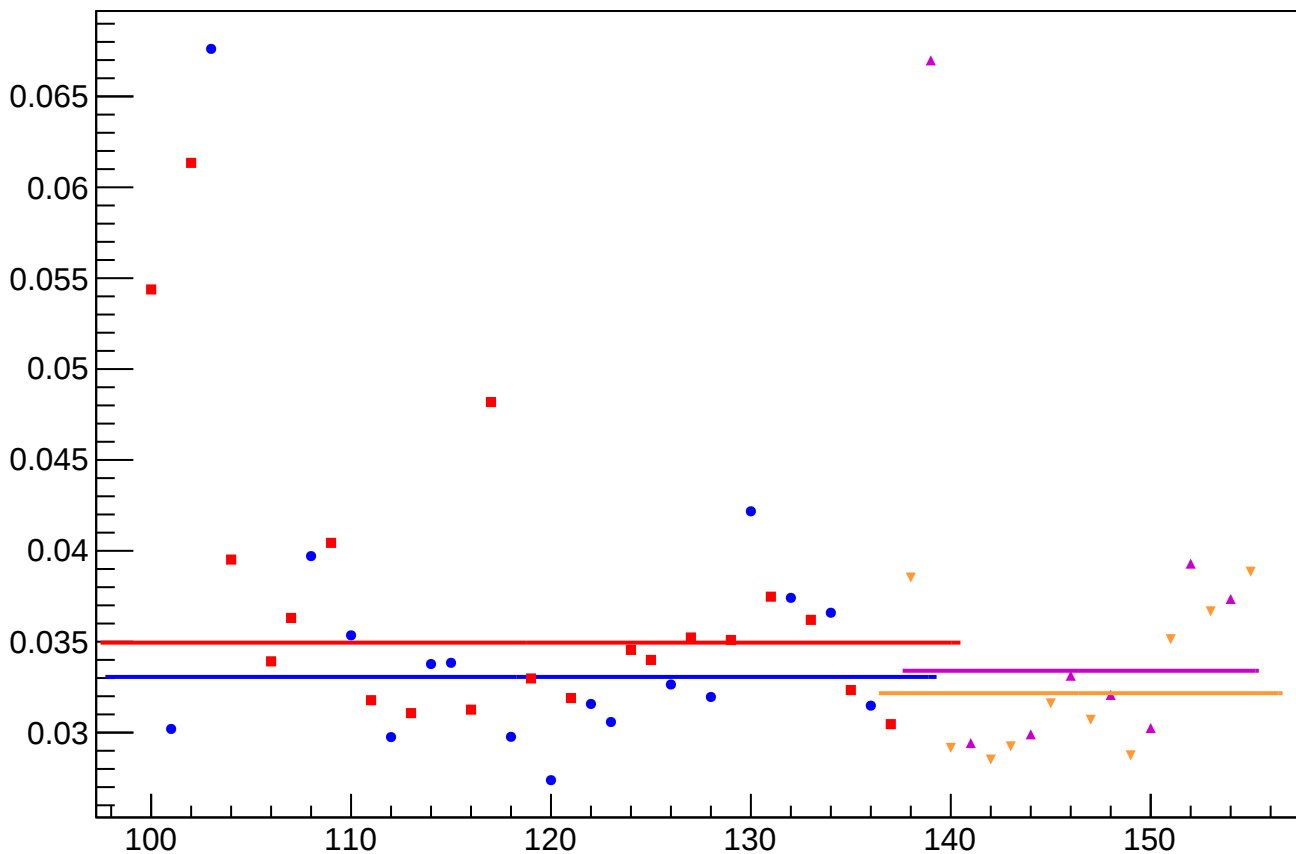
Left In: -1.262+/-0.000 χ^2/NDF : 149352135.5/7

-1.076+/-0.000 χ^2/NDF : 588046500.8/26

-1.083+/-0.000 χ^2/NDF : 1164819111.4/54

-1.091+/-0.000 χ^2/NDF : 575581208.4/27

yield_bpm12X_rms vs Slug, Sign Corrected



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

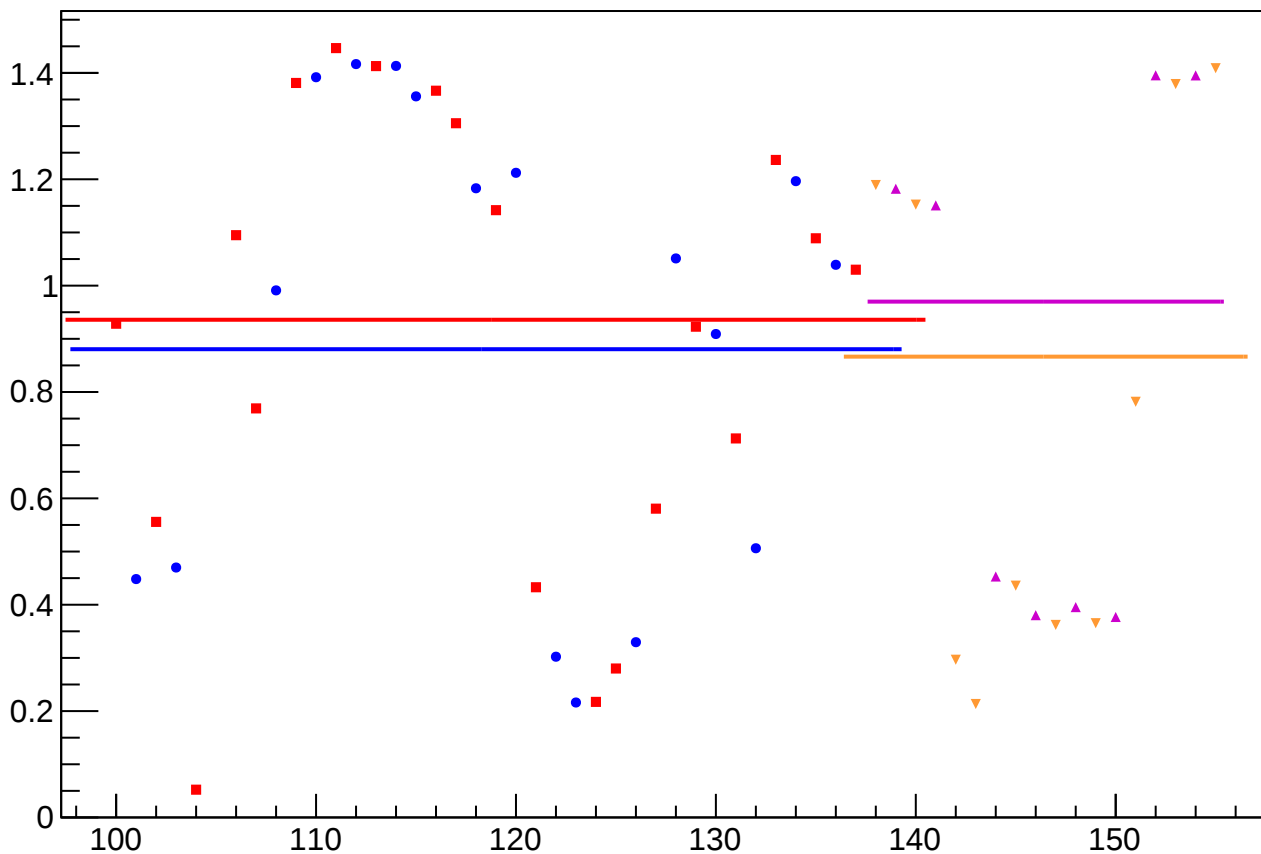
Left In: 0.033+/-0.000 χ^2/NDF :447787.5/7

0.033+/-0.000 χ^2/NDF : 581838.7/26

0.033+/-0.000 χ^2/NDF : 1349369.4/54

0.034+/-0.000 χ^2/NDF : 740429.6/27

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.880 $\pm$ 0.000 χ^2 /NDF: 6400108121.4/16

Left Out: 0.866 $\pm$ 0.000 χ^2 /NDF:17850340470.9/9

Right Out: 0.936 $\pm$ 0.000 χ^2 /NDF: 9851303698.9/19

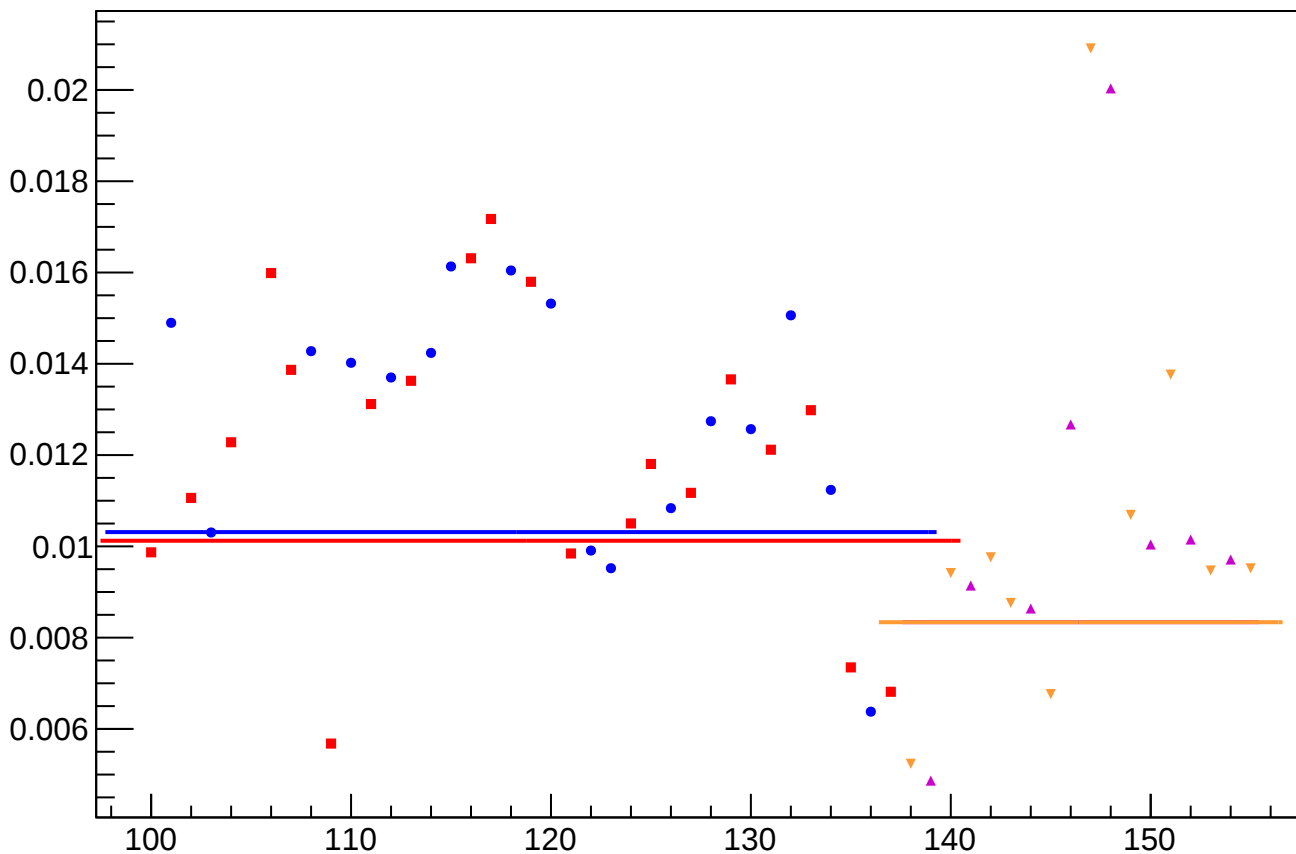
Left In: 0.970 $\pm$ 0.000 χ^2 /NDF:12631972272.3/7

0.872 $\pm$ 0.000 χ^2 /NDF: 24256934642.5/26

0.913 $\pm$ 0.000 χ^2 /NDF: 47267631888.0/5

0.956 $\pm$ 0.000 χ^2 /NDF: 22521783536.4/27

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010 $\pm$ 0.000 χ^2/NDF : 1231066.2/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 1459372.5/9

Right Out: 0.010 $\pm$ 0.000 χ^2/NDF : 1191429.9/19

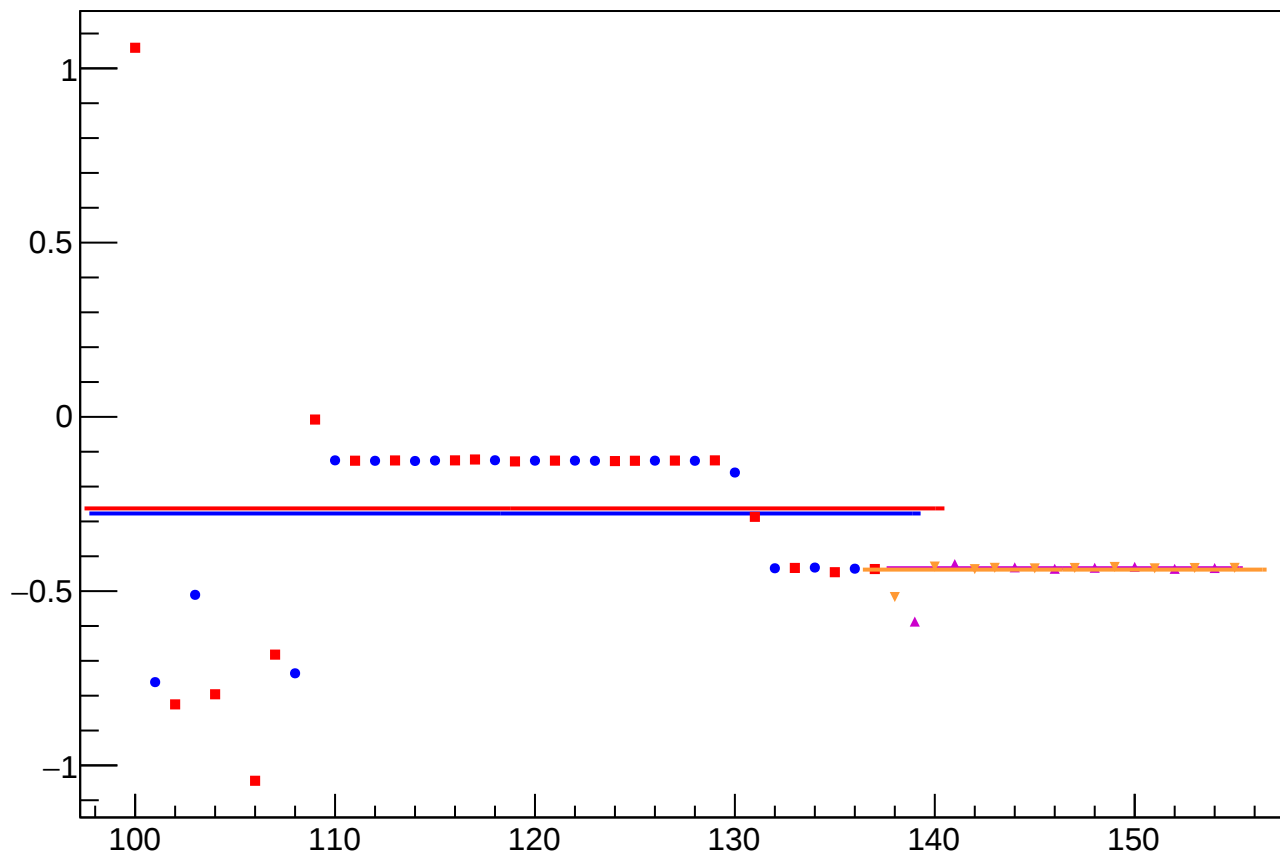
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 1476759.3/7

0.009 $\pm$ 0.000 χ^2/NDF : 2949012.0/26

0.009 $\pm$ 0.000 χ^2/NDF : 5828221.4/54

0.009 $\pm$ 0.000 χ^2/NDF : 2879155.1/27

yield_bpm16X_mean vs Slug, Sign Corrected



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

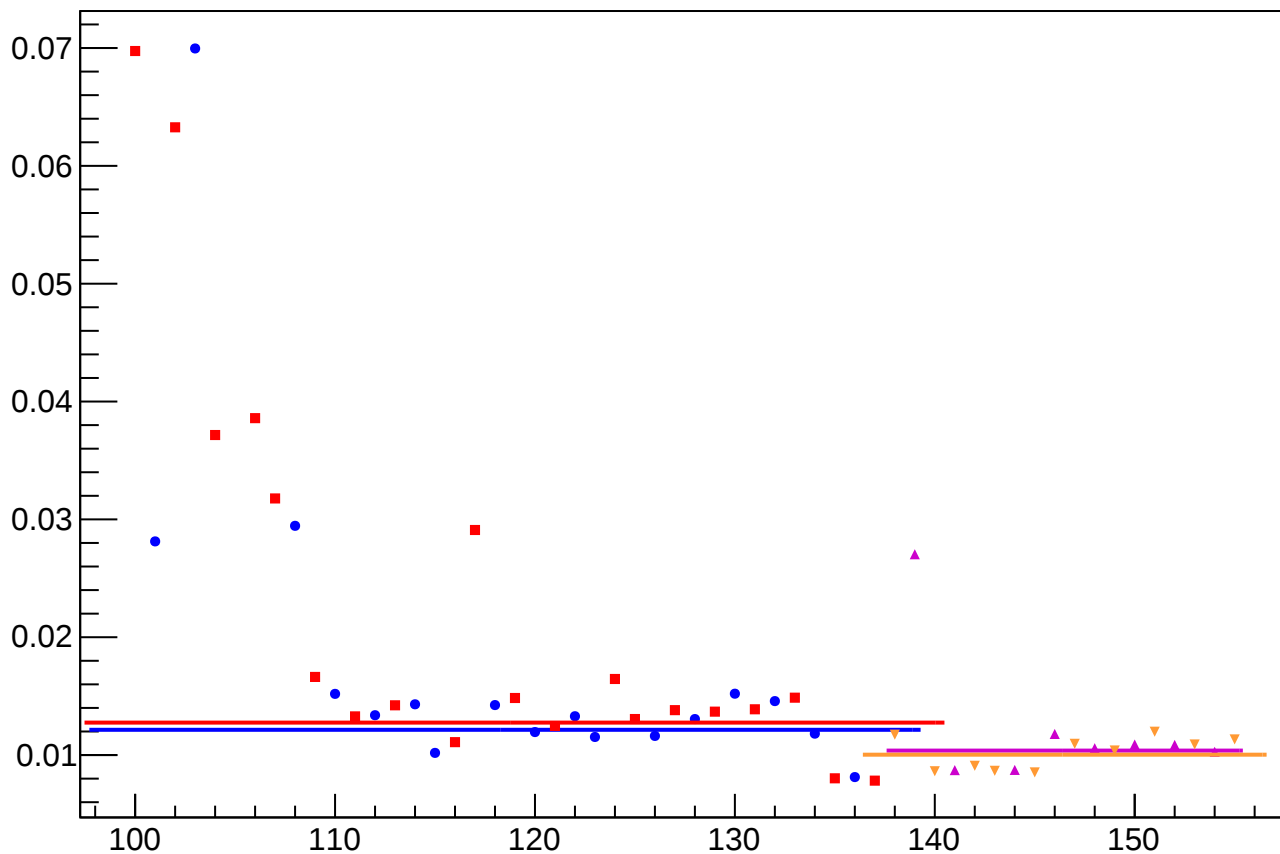
Left In: -0.434+/-0.000 χ^2/NDF : 22681597.1/7

-0.381+/-0.000 χ^2/NDF : 1501428432.3/26

-0.375+/-0.000 χ^2/NDF : 3083860026.1/54

-0.368+/-0.000 χ^2/NDF : 1575403480.9/27

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1727494.7/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:195192.4/9

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1993726.2/19

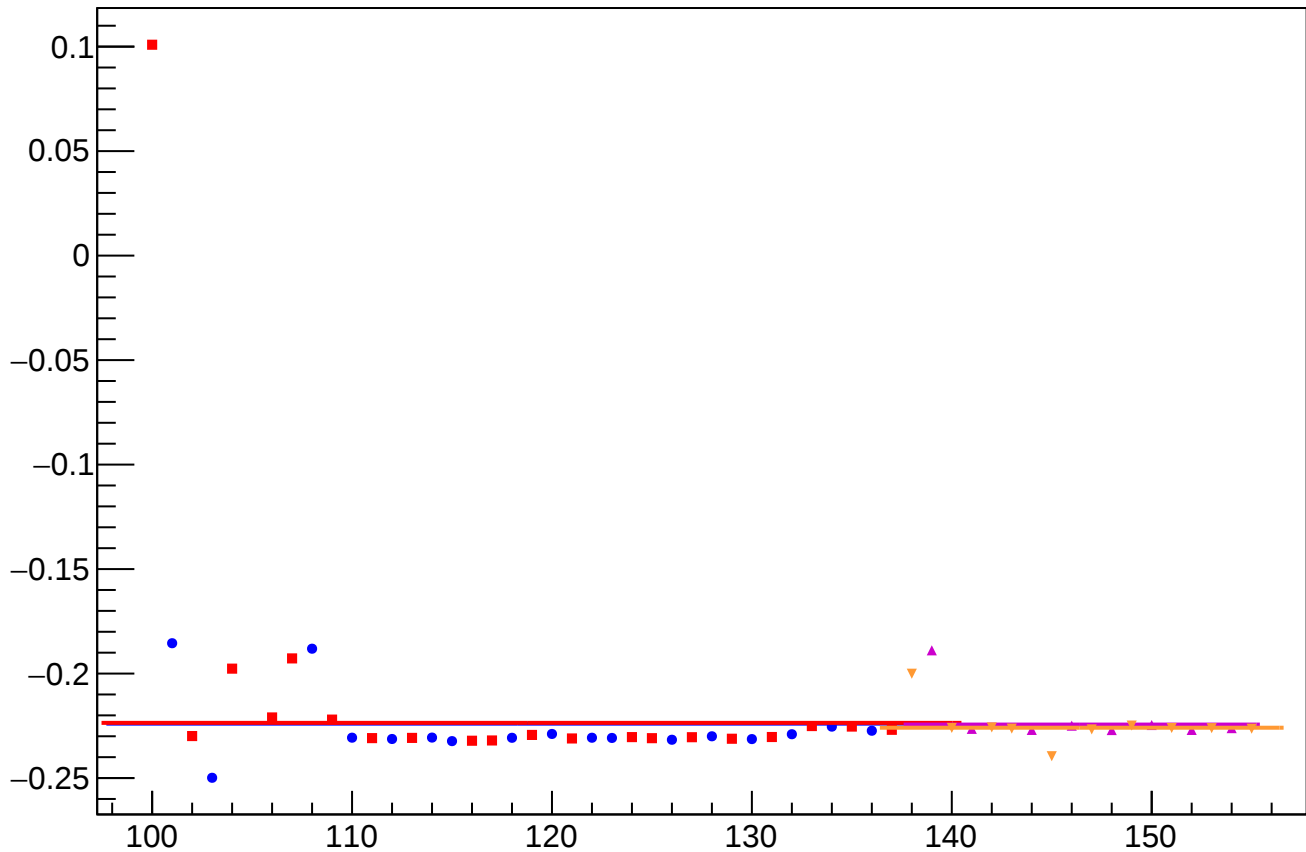
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:623689.4/7

0.011 $\pm$ 0.000 χ^2 /NDF: 2107173.6/26

0.011 $\pm$ 0.000 χ^2 /NDF: 4955072.7/54

0.011 $\pm$ 0.000 χ^2 /NDF: 2825879.5/27

yield_bpm16Y_mean vs Slug, Sign Corrected



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

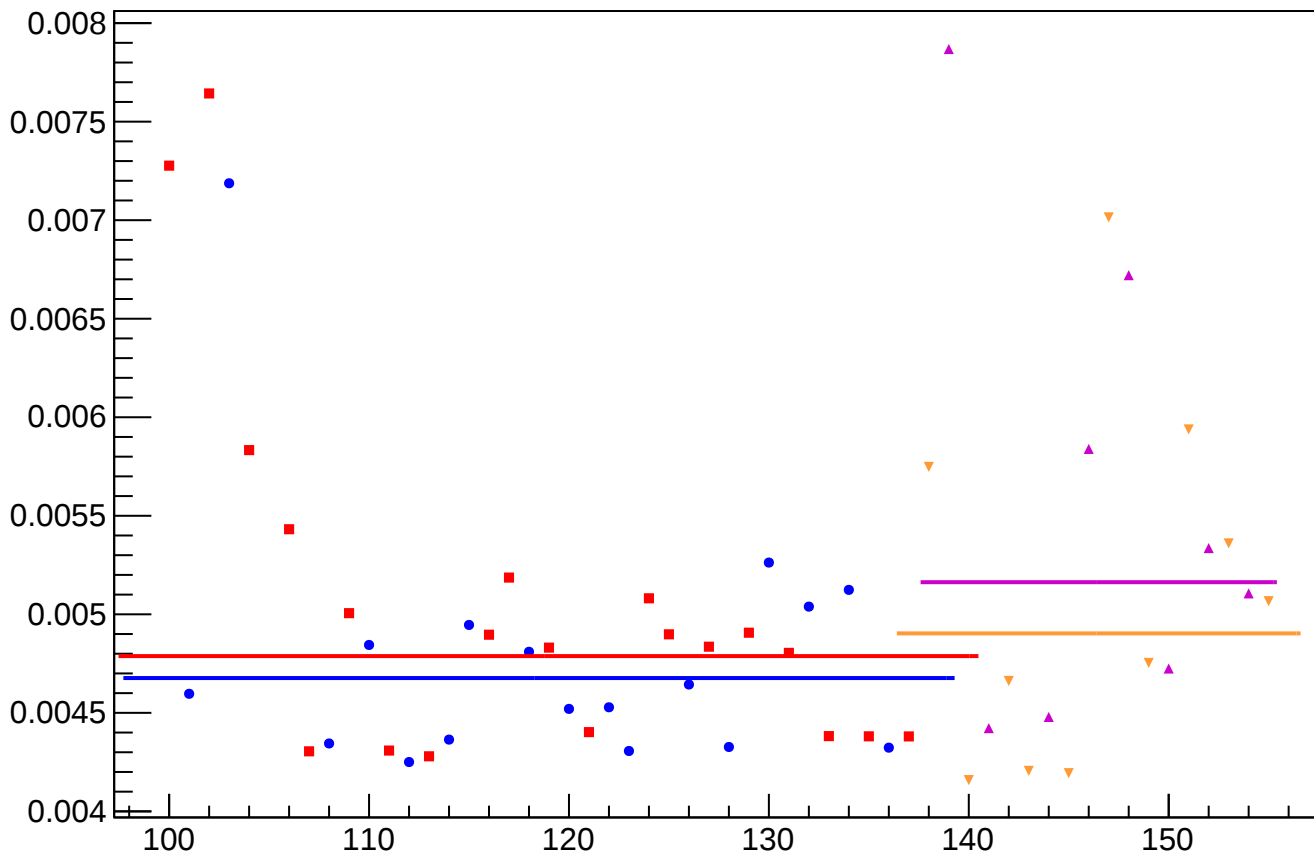
Left In: -0.224+/-0.000 χ^2/NDF : 13917074.3/7

-0.225+/-0.000 χ^2/NDF : 95763457.9/26

-0.224+/-0.000 χ^2/NDF : 278248817.3/54

-0.224+/-0.000 χ^2/NDF : 182231629.1/27

yield_bpm16Y_rms vs Slug, Sign Corrected



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

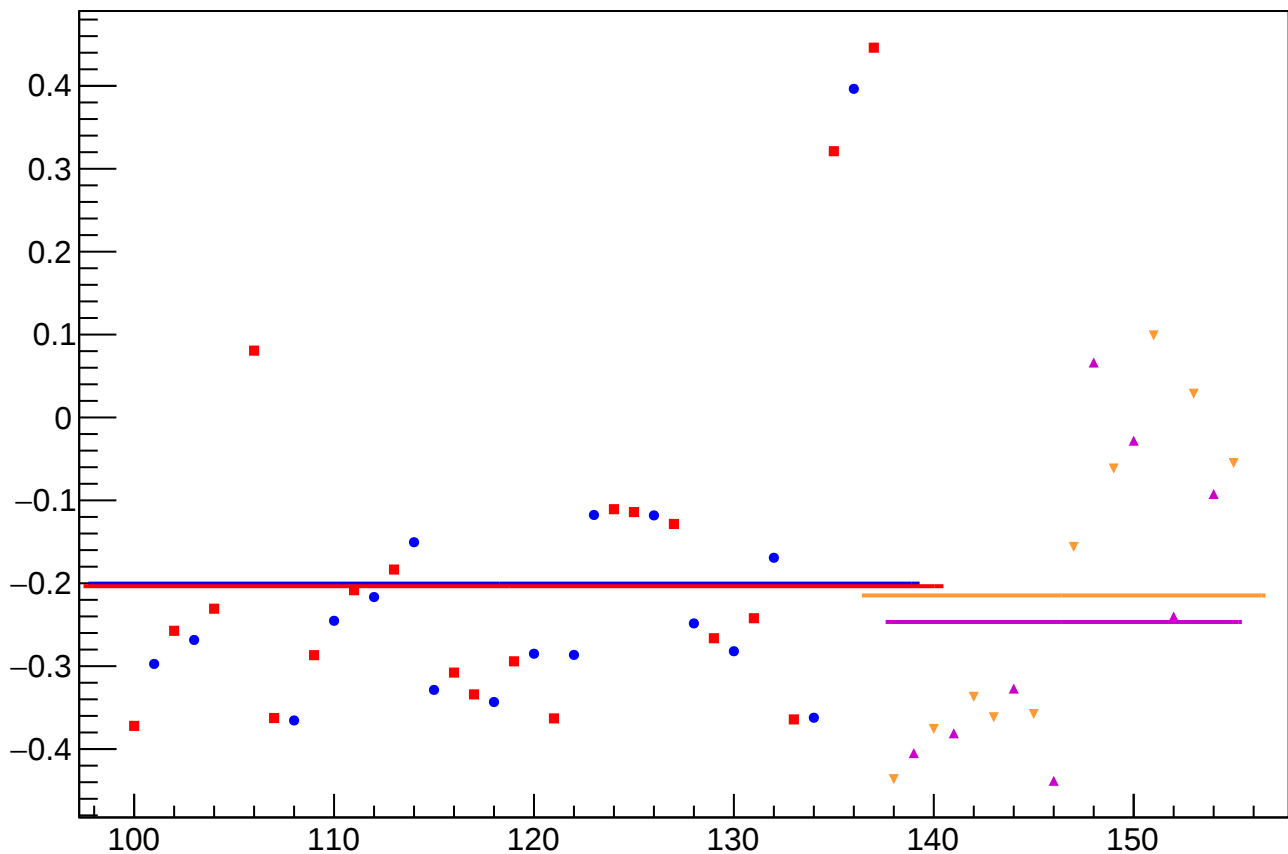
Left In: 0.005+/-0.000 χ^2/NDF : 349460.1/7

0.005+/-0.000 χ^2/NDF : 542348.0/26

0.005+/-0.000 χ^2/NDF : 1189708.4/54

0.005+/-0.000 χ^2/NDF : 633152.3/27

yield_bpm0i02X_mean vs Slug, Sign Corrected



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

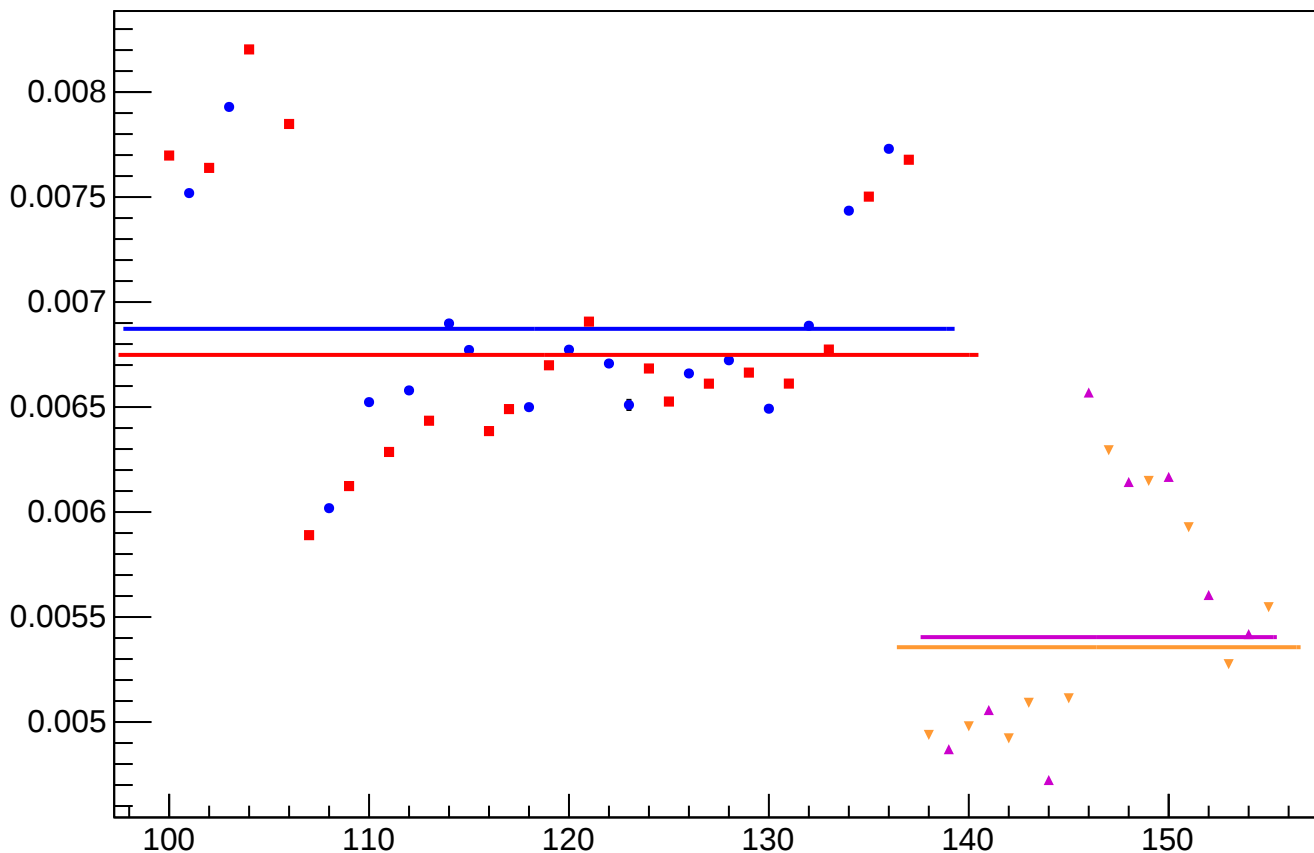
Left In: -0.247+/-0.000 χ^2/NDF : 5416904629.8/7

-0.209+/-0.000 χ^2/NDF : 14267301338.1/26

-0.218+/-0.000 χ^2/NDF : 24954877686.1/5

-0.228+/-0.000 χ^2/NDF : 10623911171.4/27

yield_bpm0i02X_rms vs Slug, Sign Corrected



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

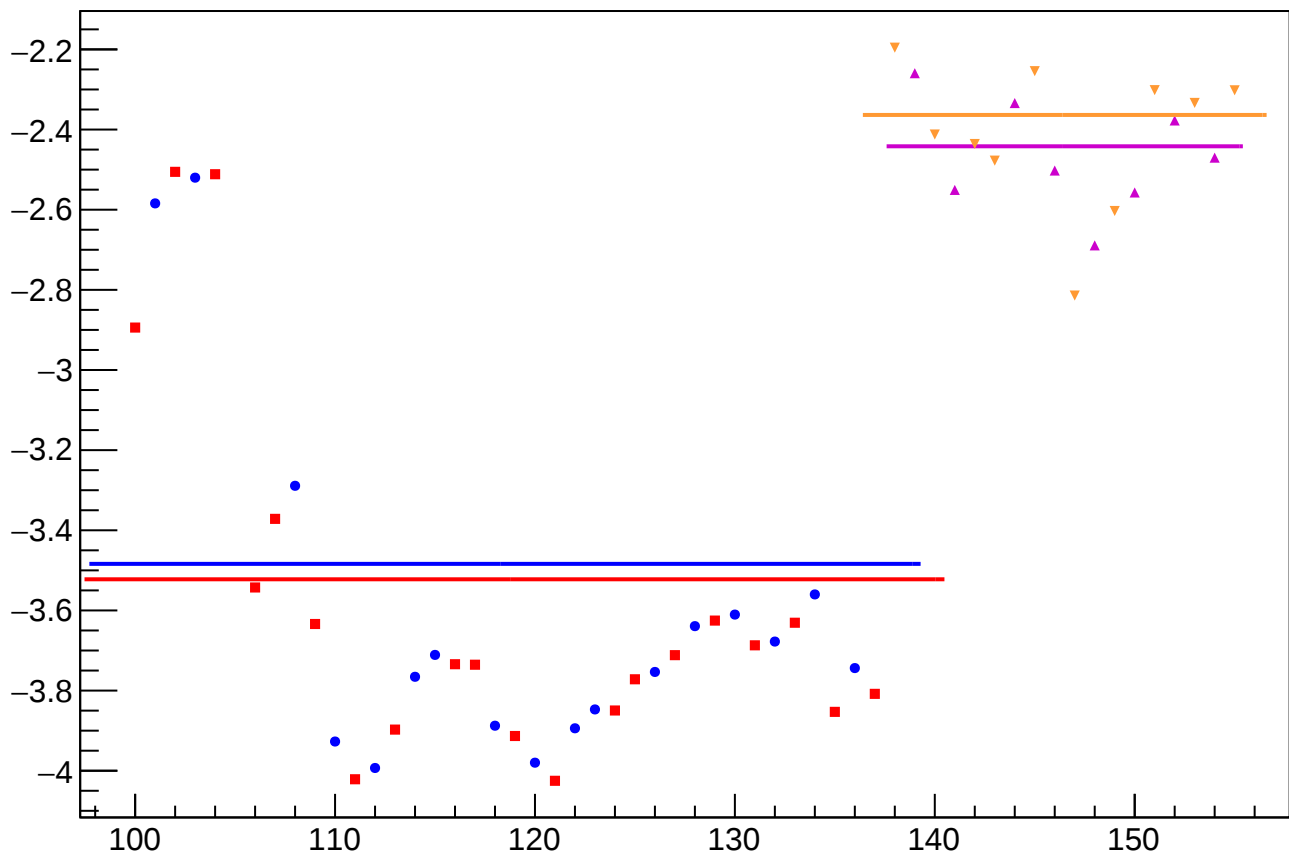
Left In: 0.005+/-0.000 χ^2/NDF : 141457.4/7

0.006+/-0.000 χ^2/NDF : 579796.3/26

0.006+/-0.000 χ^2/NDF : 1140537.9/54

0.006+/-0.000 χ^2/NDF : 559242.7/27

yield_bpm0i02Y_mean vs Slug, Sign Corrected



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

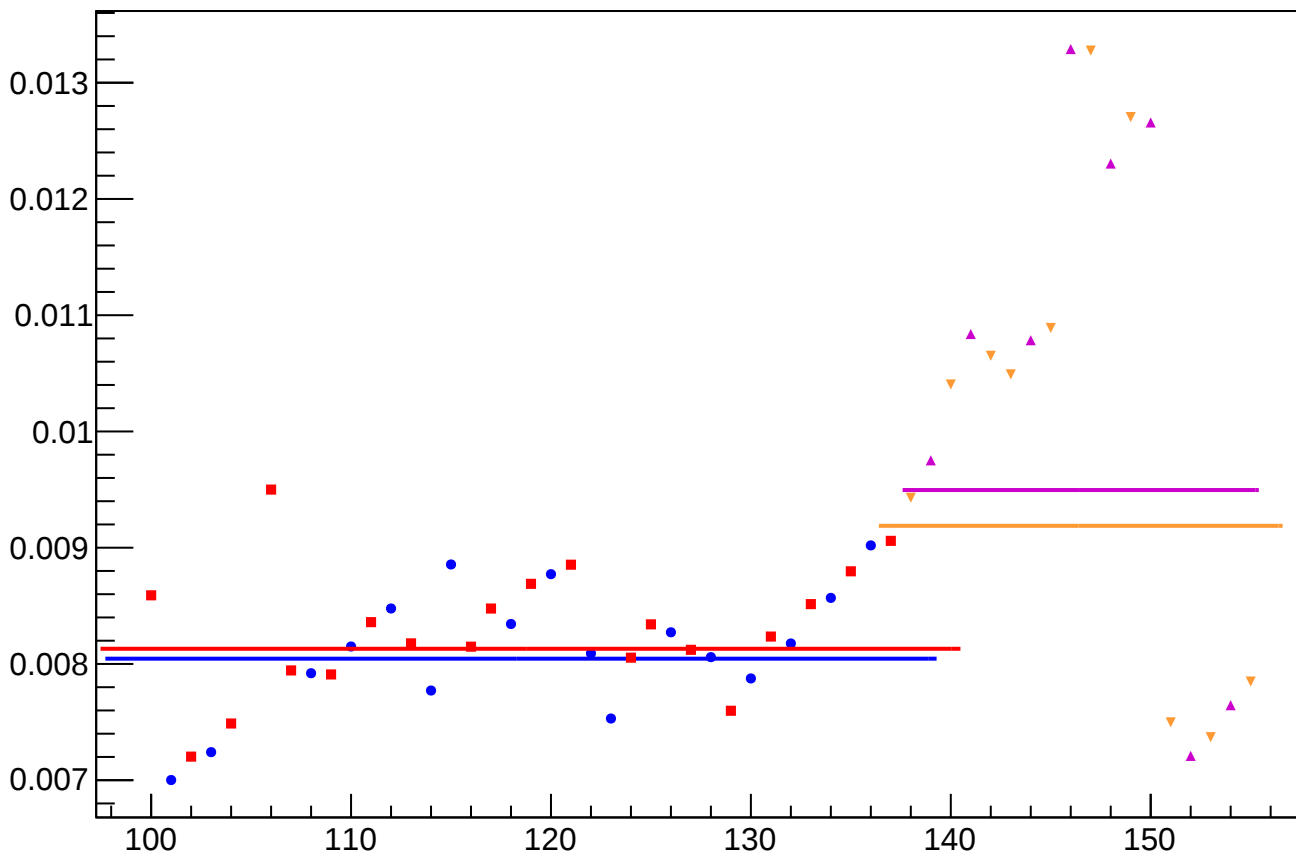
Right Out: -3.522+/-0.000 χ^2/NDF : 26497611752.4/19

-3.054+/-0.000 χ^2/NDF : 157350340786.6

-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, Sign Corrected



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

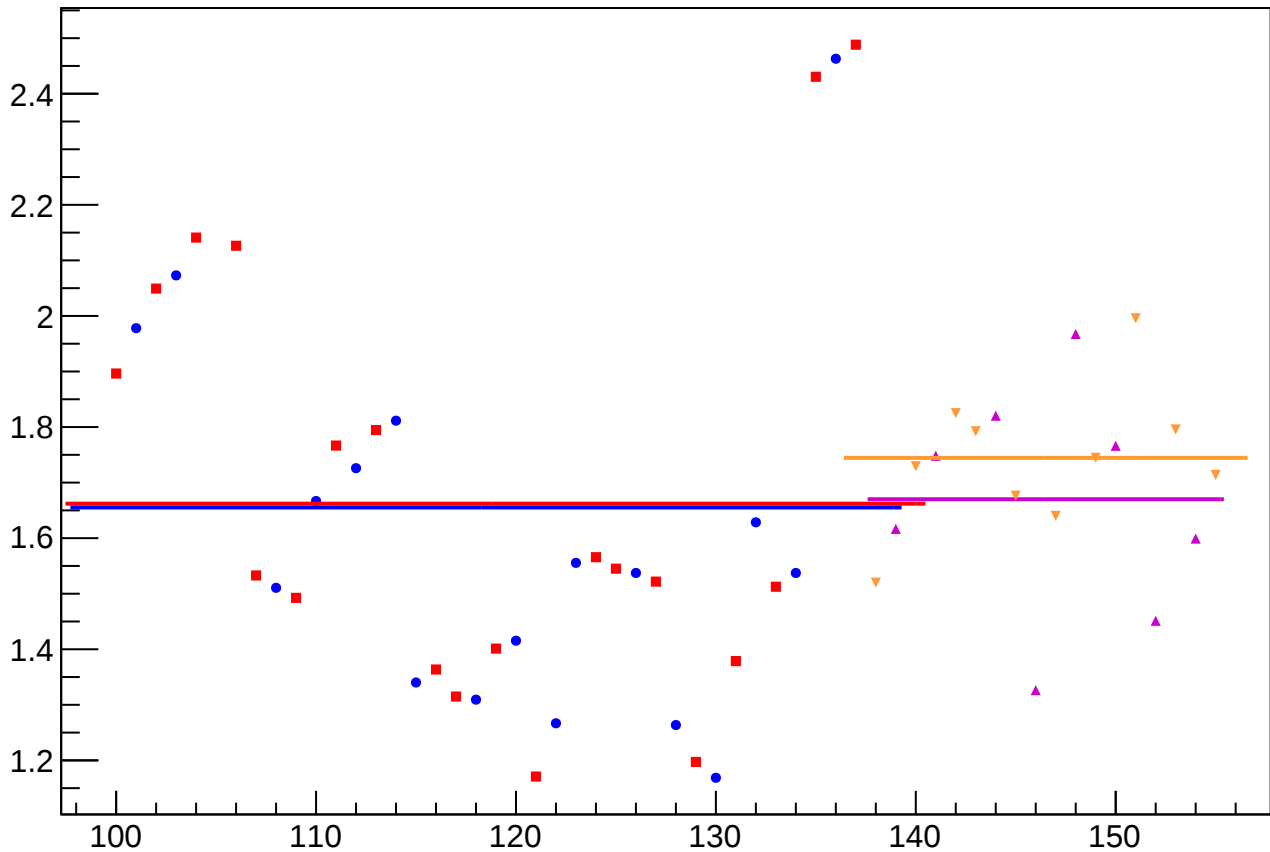
Left In: 0.009+/-0.000 χ^2/NDF : 568656.7/7

0.009+/-0.000 χ^2/NDF : 701322.8/26

0.009+/-0.000 χ^2/NDF : 1475730.8/54

0.009+/-0.000 χ^2/NDF : 772338.6/27

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.655+/-0.000 χ^2/NDF : 6476474909.3/16

Left Out: 1.745+/-0.000 χ^2/NDF : 866045890.8/9

Right Out: 1.662+/-0.000 χ^2/NDF : 5975345573.0/19

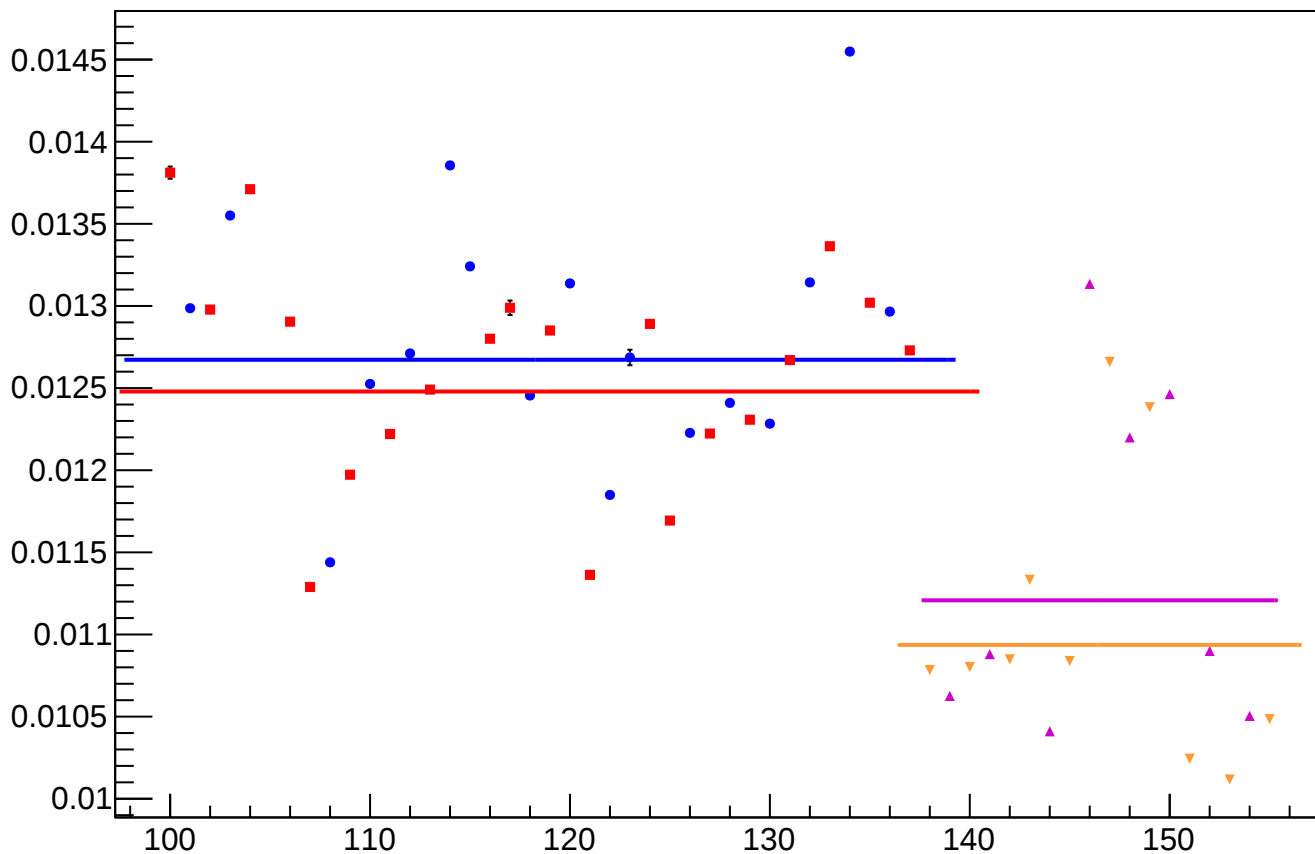
Left In: 1.670+/-0.000 χ^2/NDF : 1524560912.6/7

1.708+/-0.000 χ^2/NDF : 7533721580.2/26

1.688+/-0.000 χ^2/NDF : 15117439142.4/5

1.666+/-0.000 χ^2/NDF : 7501380838.1/27

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013 $\pm$ 0.000 χ^2/NDF : 31801.3/16

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 68547.4/9

Right Out: 0.012 $\pm$ 0.000 χ^2/NDF : 39268.9/19

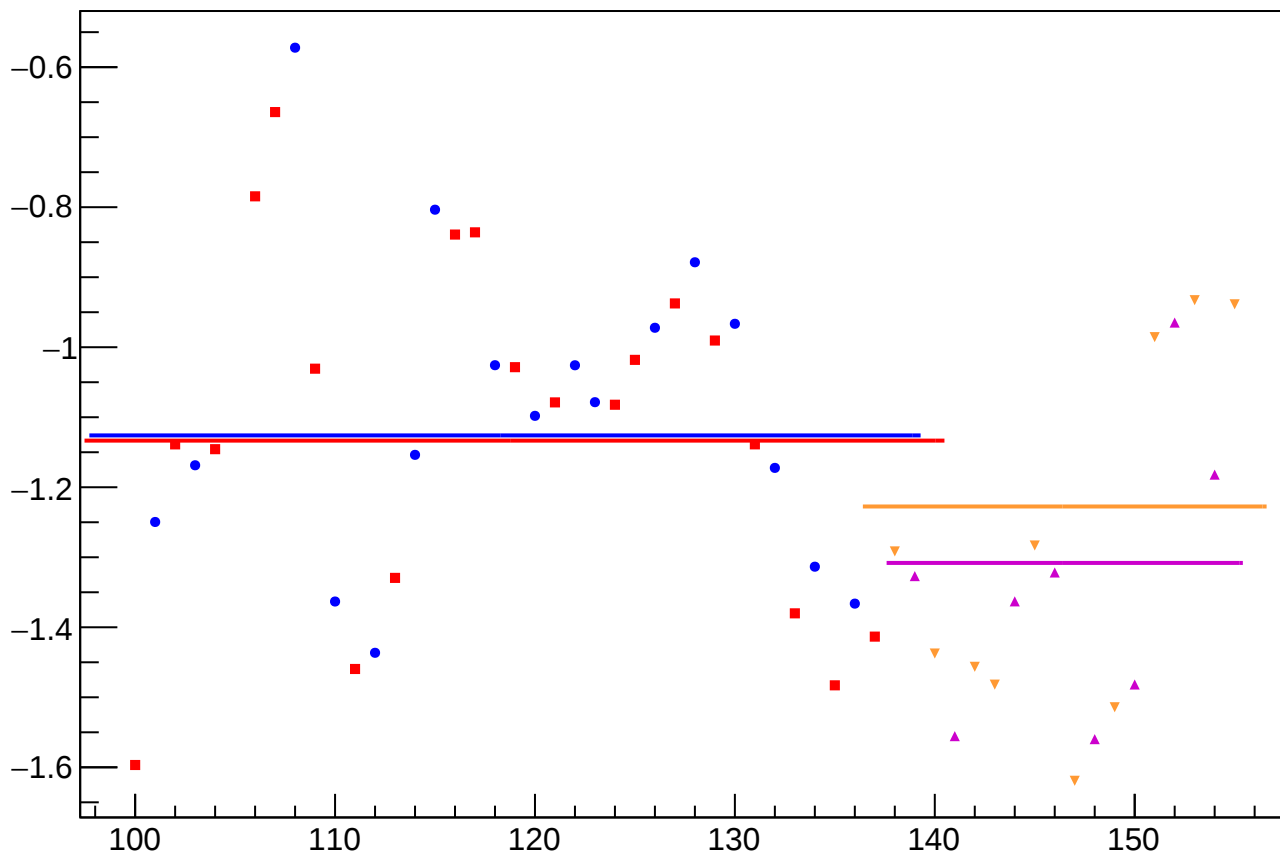
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 79450.3/7

0.012 $\pm$ 0.000 χ^2/NDF : 244943.9/26

0.012 $\pm$ 0.000 χ^2/NDF : 441142.2/54

0.012 $\pm$ 0.000 χ^2/NDF : 193614.6/27

yield_bpm0i02aY_mean vs Slug, Sign Corrected



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

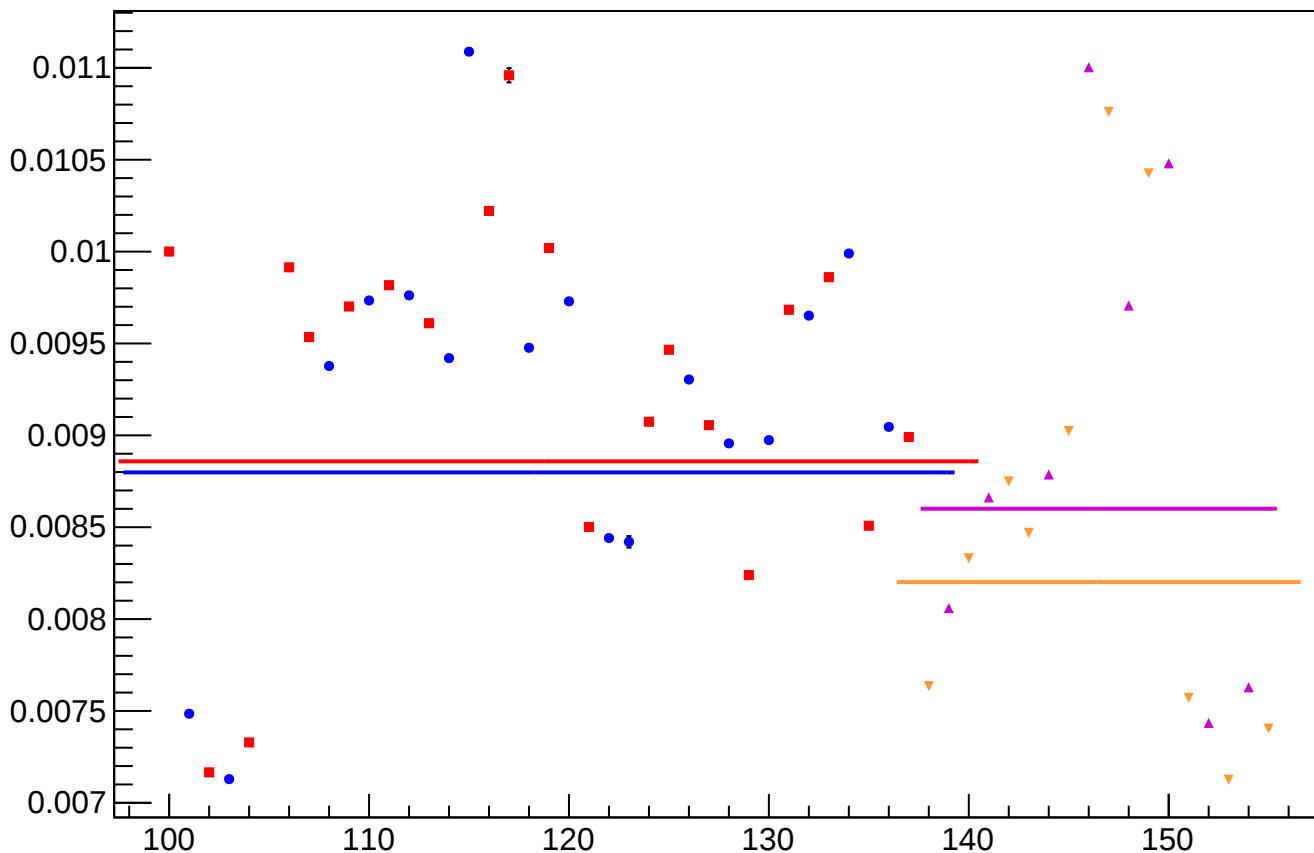
Left In: -1.308+/-0.000 χ^2/NDF : 3236442885.1/7

-1.181+/-0.000 χ^2/NDF : 9888788922.5/26

-1.198+/-0.000 χ^2/NDF : 18193801723.9/5

-1.218+/-0.000 χ^2/NDF : 8189597773.1/27

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009 $\pm$ 0.000 χ^2/NDF : 151586.8/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 215768.7/9

Right Out: 0.009 $\pm$ 0.000 χ^2/NDF : 176858.0/19

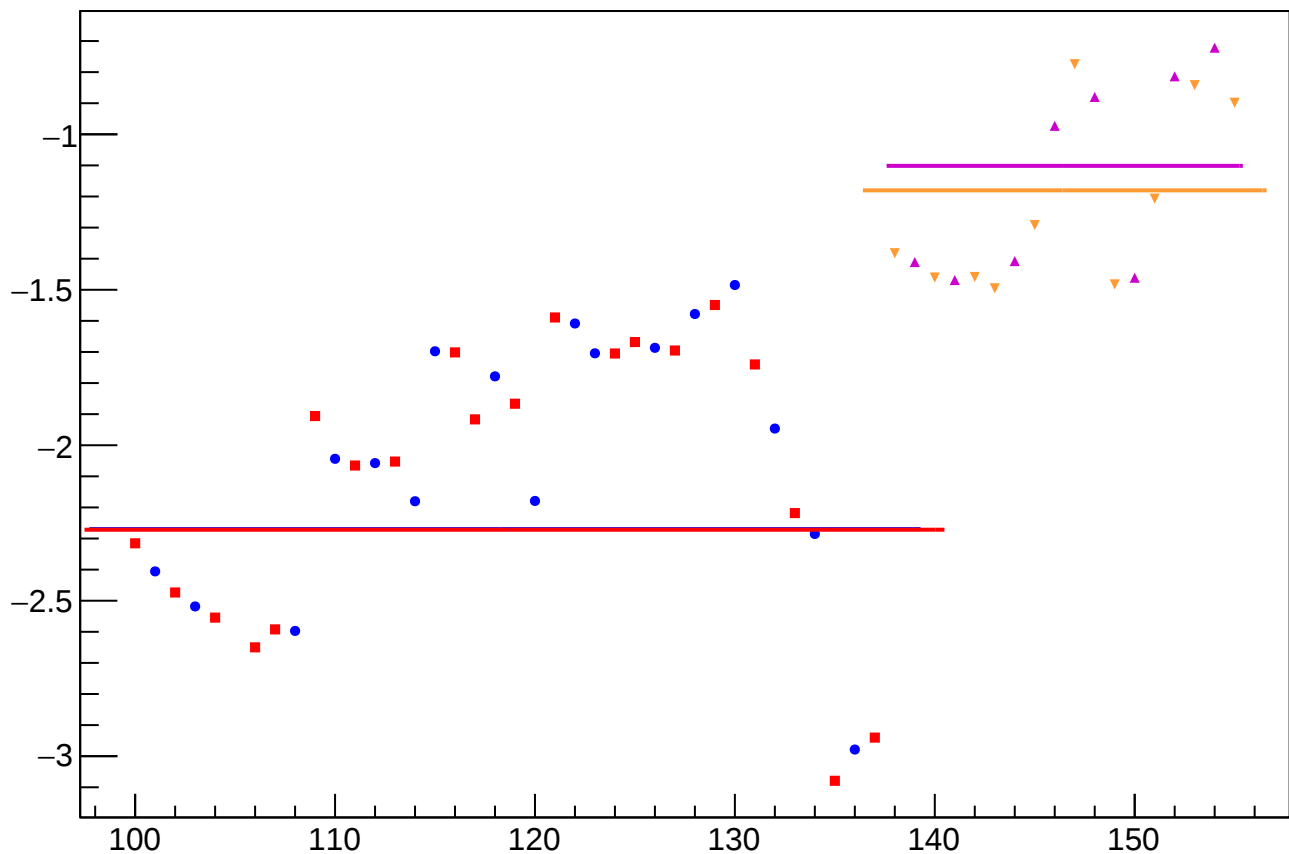
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 194677.9/7

0.008 $\pm$ 0.000 χ^2/NDF : 399091.7/26

0.009 $\pm$ 0.000 χ^2/NDF : 787508.7/54

0.009 $\pm$ 0.000 χ^2/NDF : 376967.9/27

yield_bpm0i05X_mean vs Slug, Sign Corrected



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

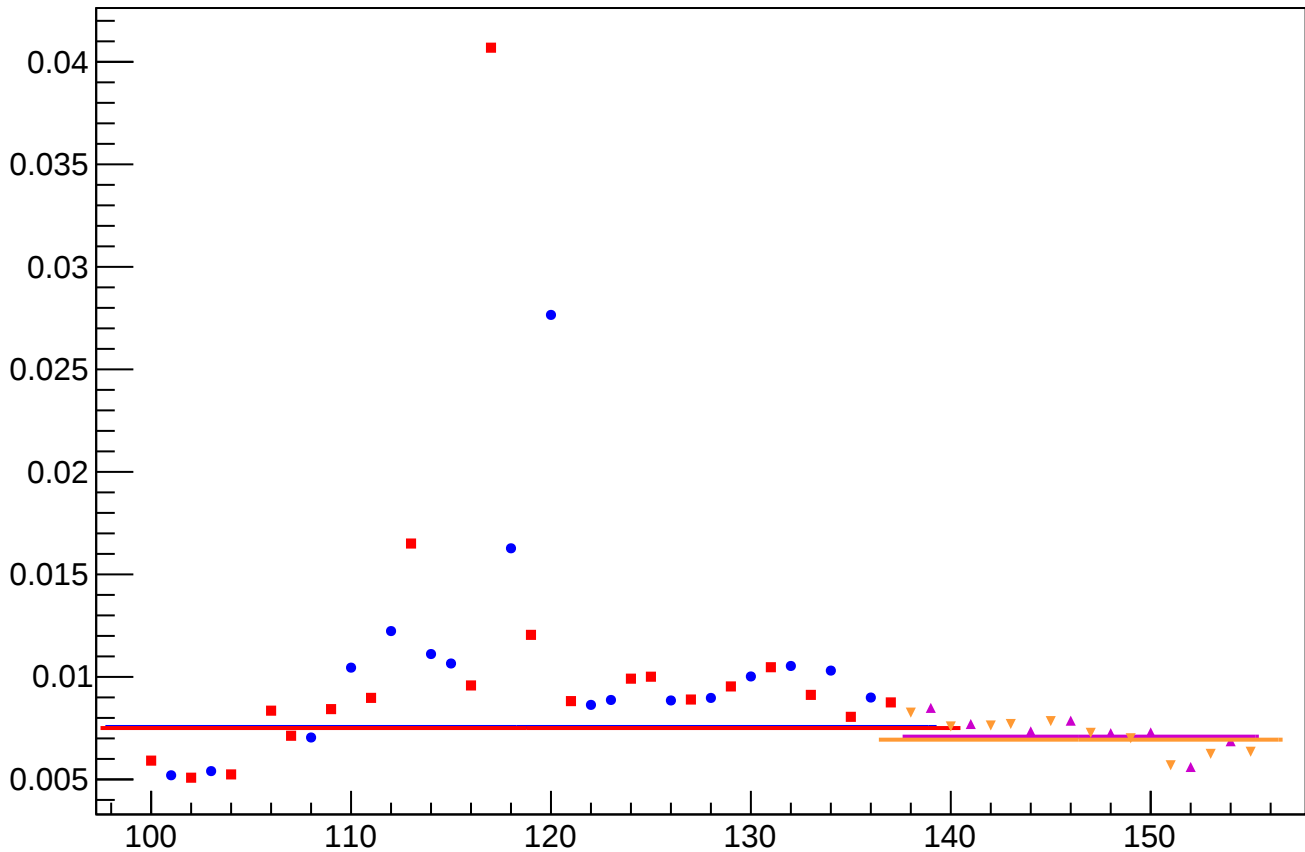
Left In: -1.101+/-0.000 χ^2/NDF : 11344906781.2/7

-1.605+/-0.000 χ^2/NDF : 91600722157.0/26

-1.619+/-0.000 χ^2/NDF : 196402525955.2

-1.634+/-0.000 χ^2/NDF : 104711227952.7/27

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2/NDF : 1221004.0/16

Left Out: 0.007 $\pm$ 0.000 χ^2/NDF : 178811.8/9

Right Out: 0.008 $\pm$ 0.000 χ^2/NDF : 984811.6/19

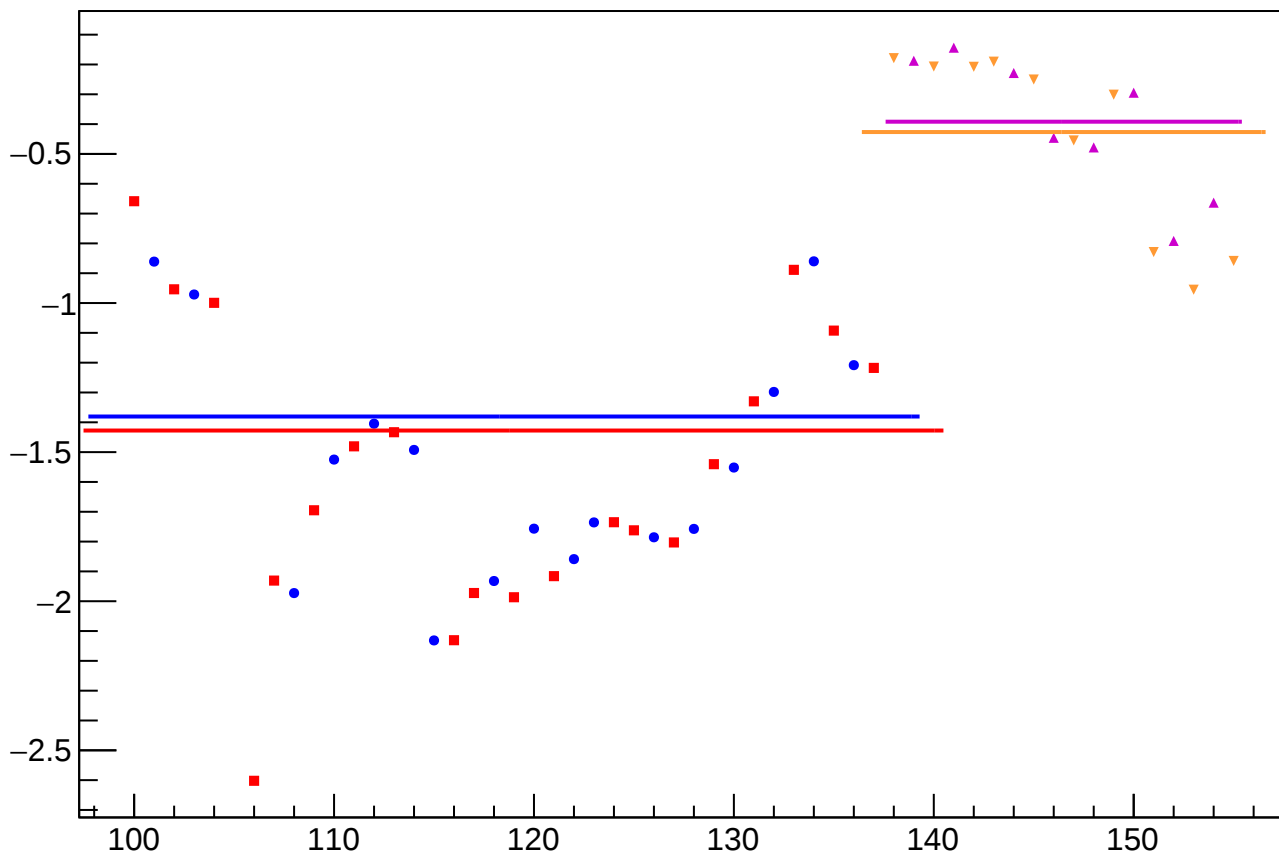
Left In: 0.007 $\pm$ 0.000 χ^2/NDF : 171249.4/7

0.007 $\pm$ 0.000 χ^2/NDF : 1440978.8/26

0.007 $\pm$ 0.000 χ^2/NDF : 2618220.8/54

0.007 $\pm$ 0.000 χ^2/NDF : 1175152.0/27

yield_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: -1.381 ± 0.000 $\chi^2/\text{NDF}: 20001018652.5/16$

Left Out: -0.427 ± 0.000 $\chi^2/\text{NDF}: 32363033996.4/9$

-0.669 ± 0.000 $\chi^2/\text{NDF}: 140496585972.0/26$

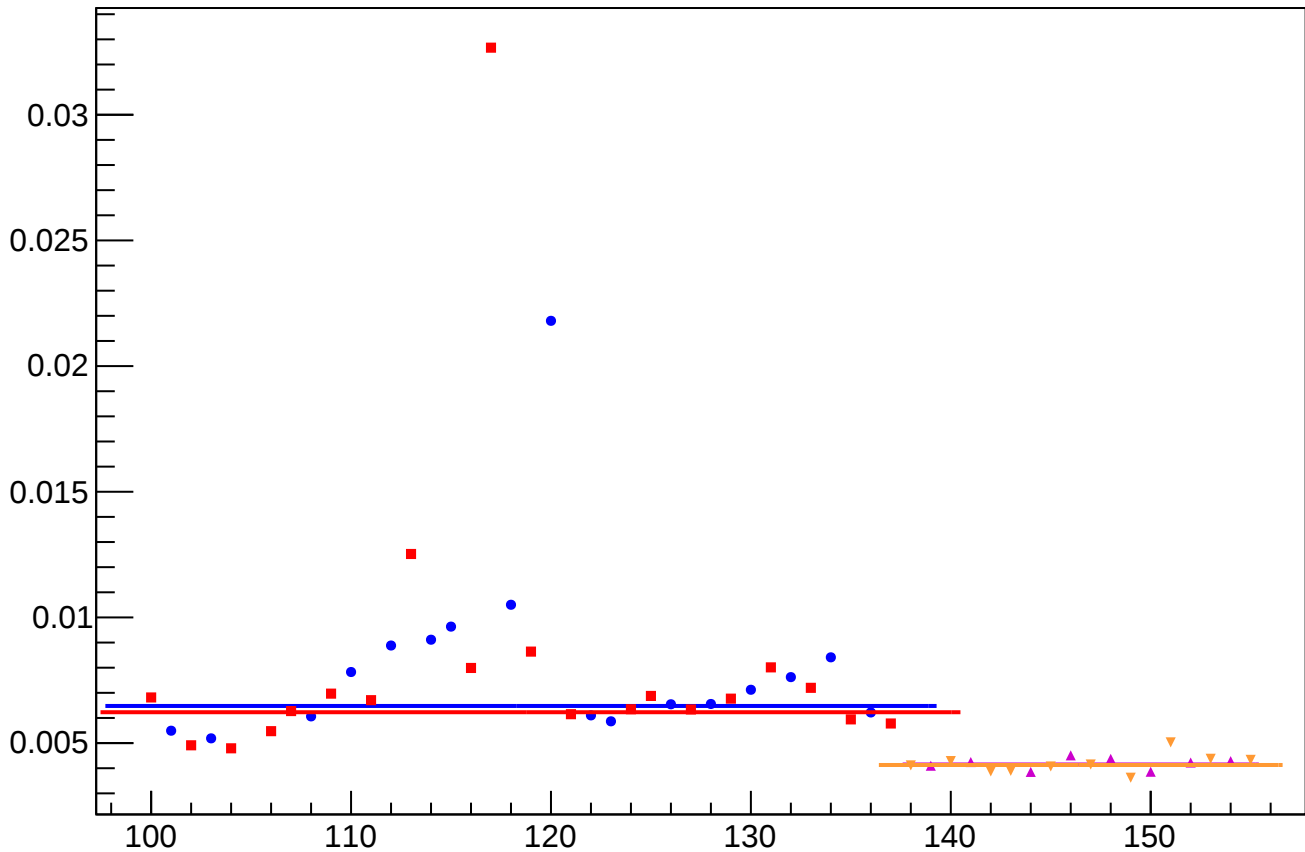
Right Out: -1.428 ± 0.000 $\chi^2/\text{NDF}: 29626603581.6/19$

-0.691 ± 0.000 $\chi^2/\text{NDF}: 299299536295.4$

-0.713 ± 0.000 $\chi^2/\text{NDF}: 158320626250.4/27$

Left In: -0.392 ± 0.000 $\chi^2/\text{NDF}: 16229635207.7/7$

yield_bpm0i05Y_rms vs Slug, Sign Corrected



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

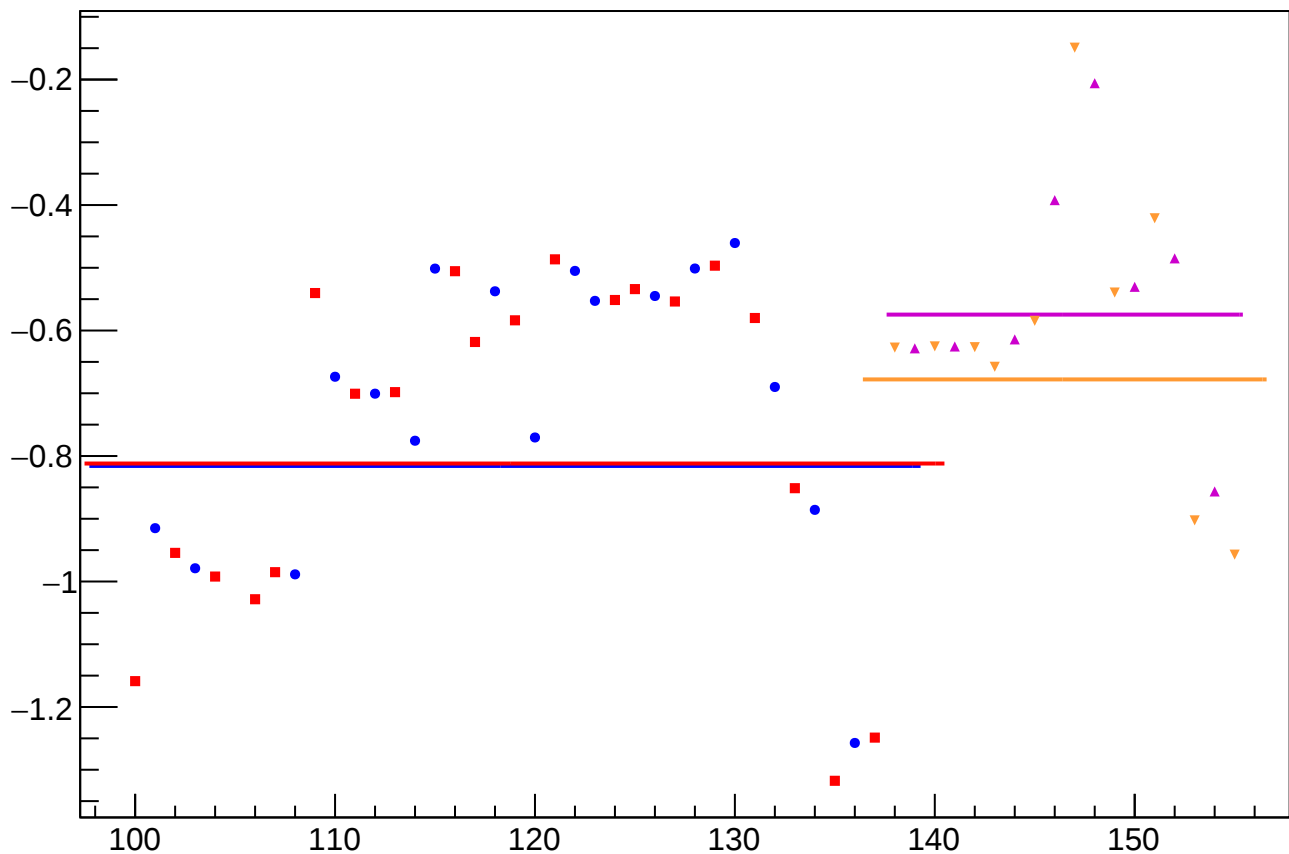
Left In: 0.004+/-0.000 χ^2/NDF : 32960.7/7

0.005+/-0.000 χ^2/NDF : 1723777.2/26

0.005+/-0.000 χ^2/NDF : 3137508.9/54

0.005+/-0.000 χ^2/NDF : 1411408.7/27

yield_bpm0i07X_mean vs Slug, Sign Corrected



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

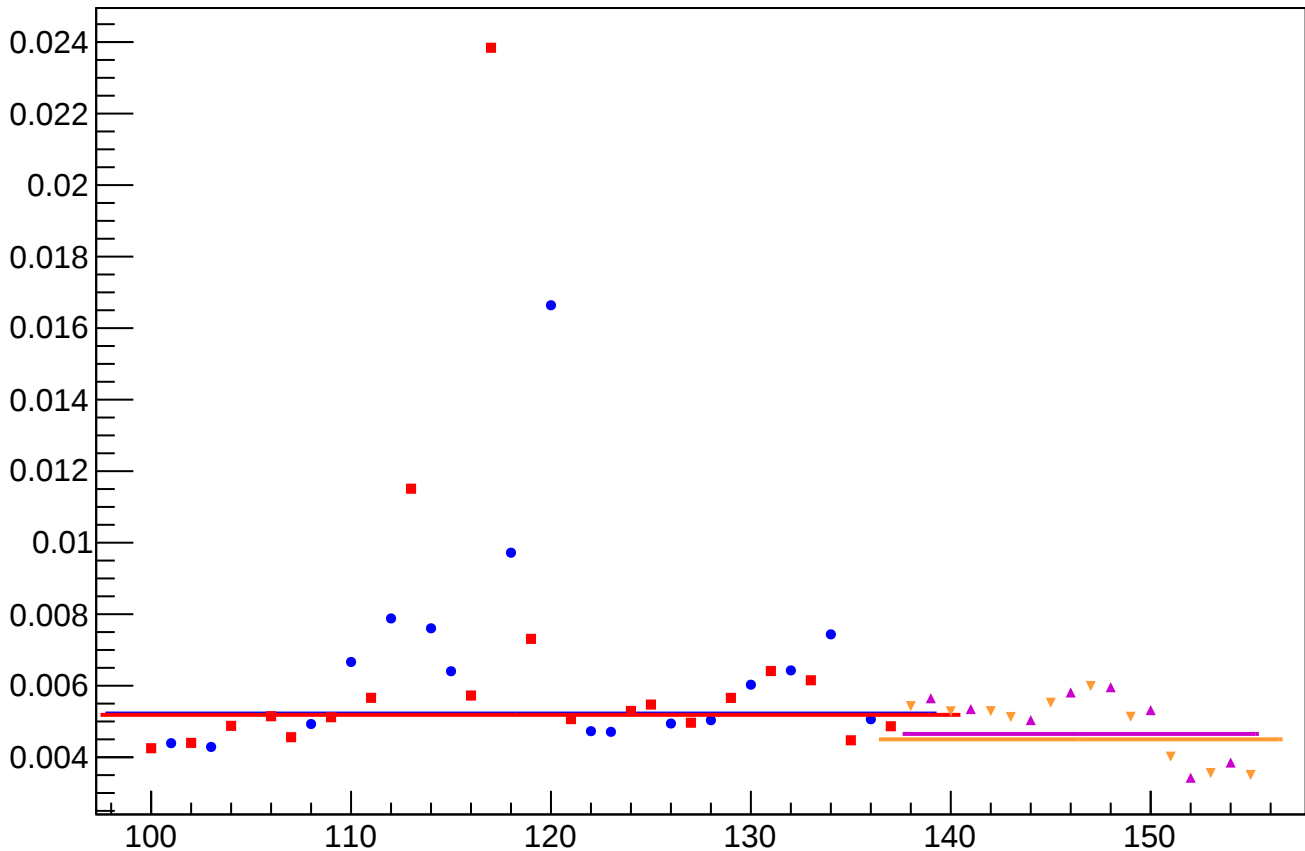
Left In: -0.575+/-0.000 χ^2/NDF : 8478646309.5/7

-0.731+/-0.000 χ^2/NDF : 33321266413.9/26

-0.707+/-0.000 χ^2/NDF : 66044383530.9/5

-0.682+/-0.000 χ^2/NDF : 32131089980.8/27

yield_bpm0i07X_rms vs Slug, Sign Corrected



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

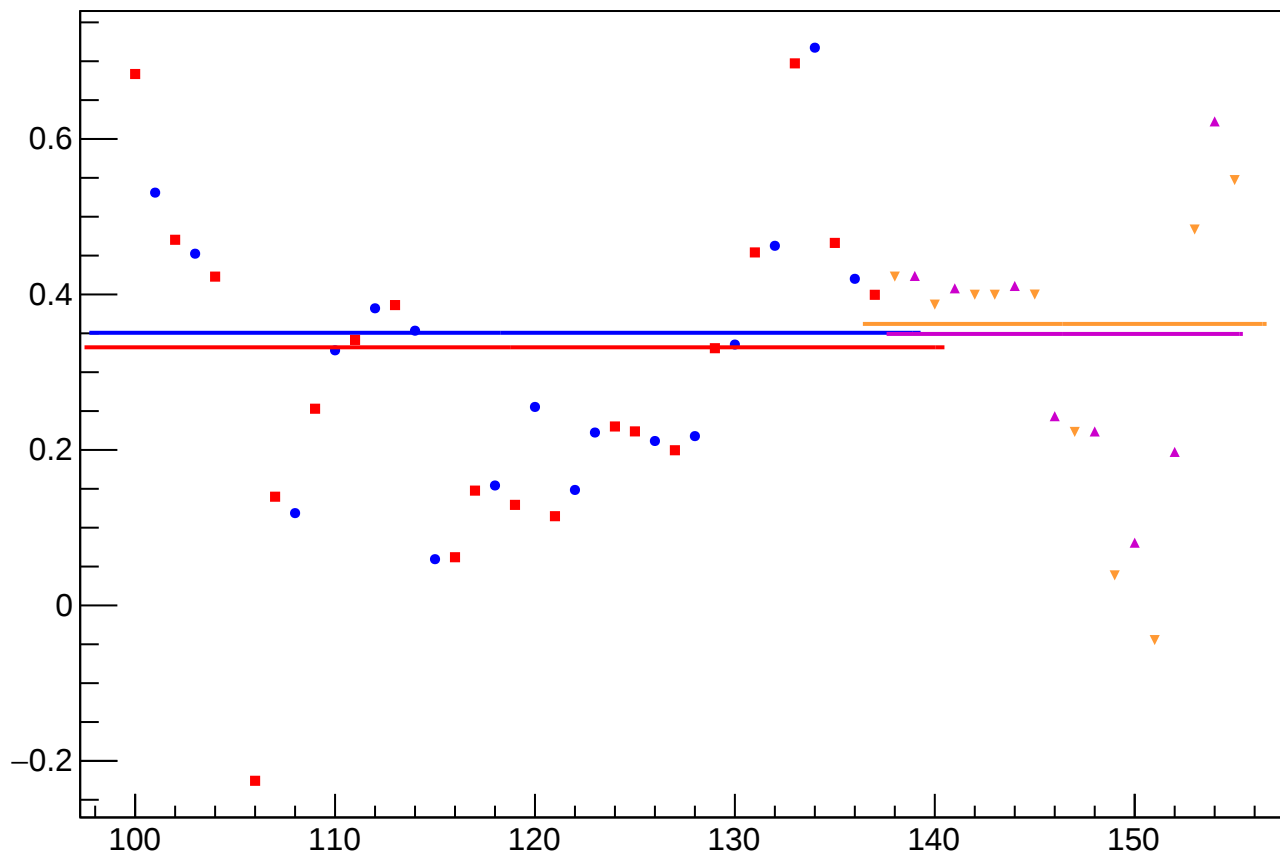
Left In: 0.005+/-0.000 χ^2/NDF : 492543.2/7

0.005+/-0.000 χ^2/NDF : 1300838.3/26

0.005+/-0.000 χ^2/NDF : 2279962.7/54

0.005+/-0.000 χ^2/NDF : 972229.5/27

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.351 $\pm$ 0.000 χ^2/NDF : 7410859446.3/16

Left Out: 0.362 $\pm$ 0.000 χ^2/NDF : 14463720692.8/9

Right Out: 0.332 $\pm$ 0.000 χ^2/NDF : 11800695210.2/19

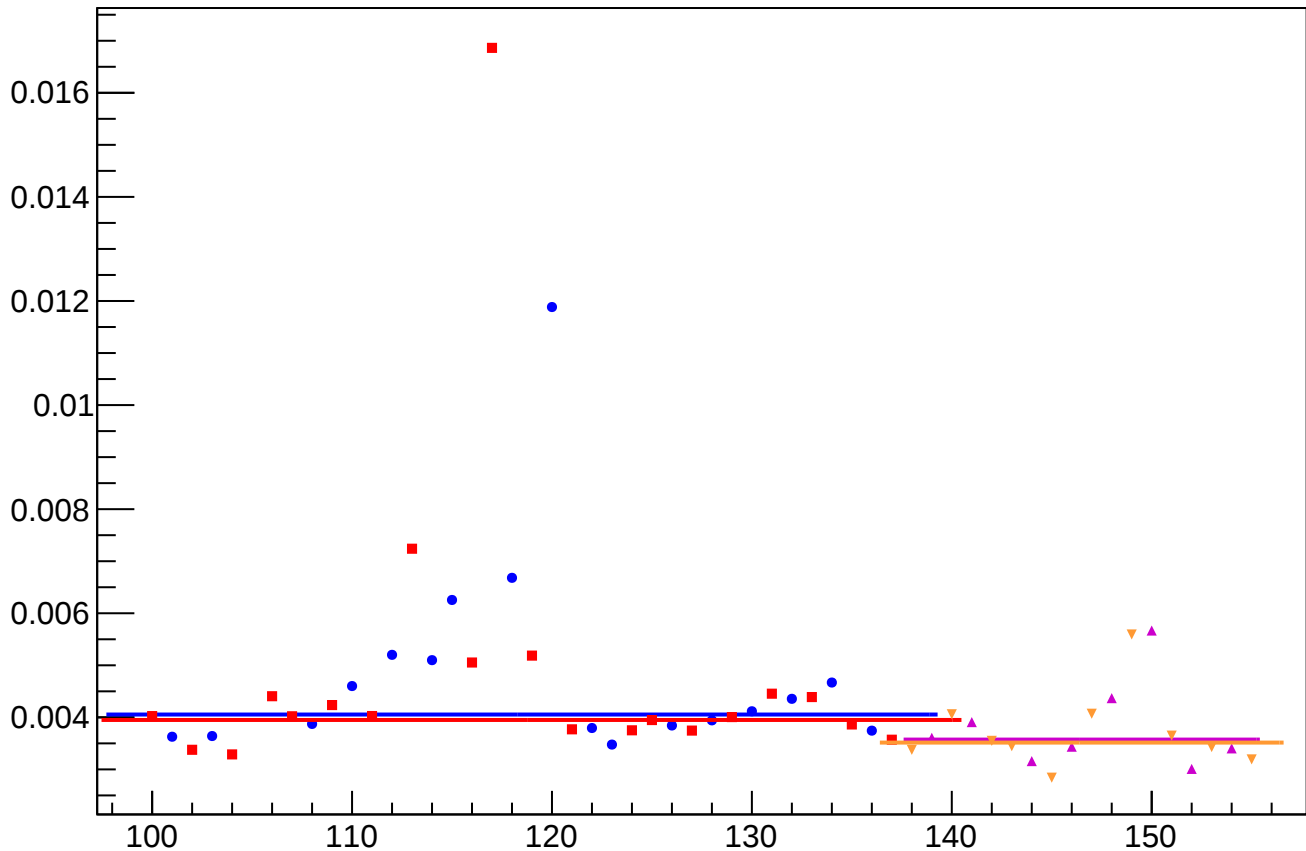
Left In: 0.349 $\pm$ 0.000 χ^2/NDF : 10425198314.8/7

0.357 $\pm$ 0.000 χ^2/NDF : 21901013301.1/26

0.349 $\pm$ 0.000 χ^2/NDF : 44299023085.4/5

0.341 $\pm$ 0.000 χ^2/NDF : 22286399258.1/27

yield_bpm0i07Y_rms vs Slug, Sign Corrected



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

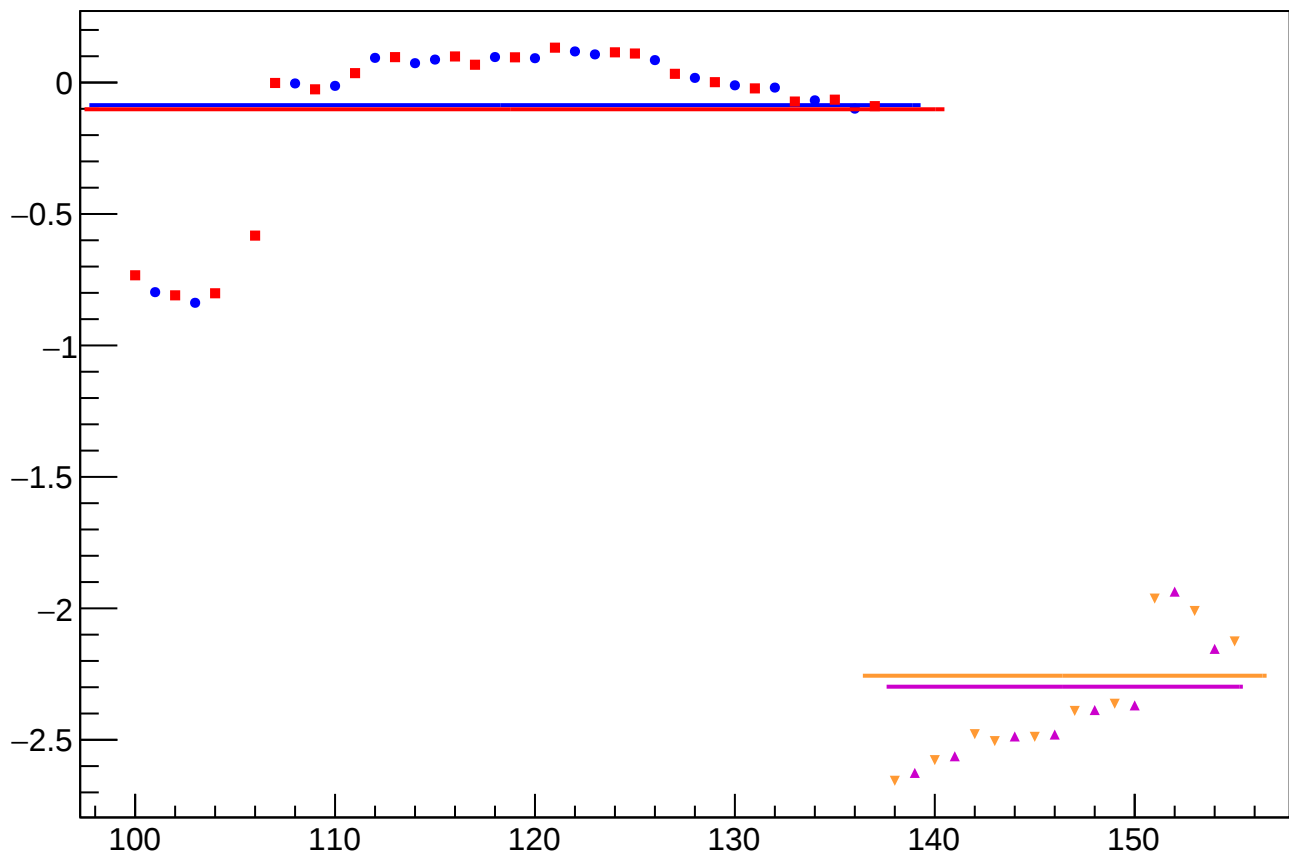
Left In: 0.004+/-0.000 χ^2/NDF :343497.4/7

0.004+/-0.000 χ^2/NDF : 905111.0/26

0.004+/-0.000 χ^2/NDF : 1611927.7/54

0.004+/-0.000 χ^2/NDF : 706620.3/27

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.086+/-0.000 χ^2/NDF : 4989387592.7/16

Left Out: -2.256+/-0.000 χ^2/NDF : 3151771082.5/9

Right Out: -0.102+/-0.000 χ^2/NDF : 5566142794.2/19

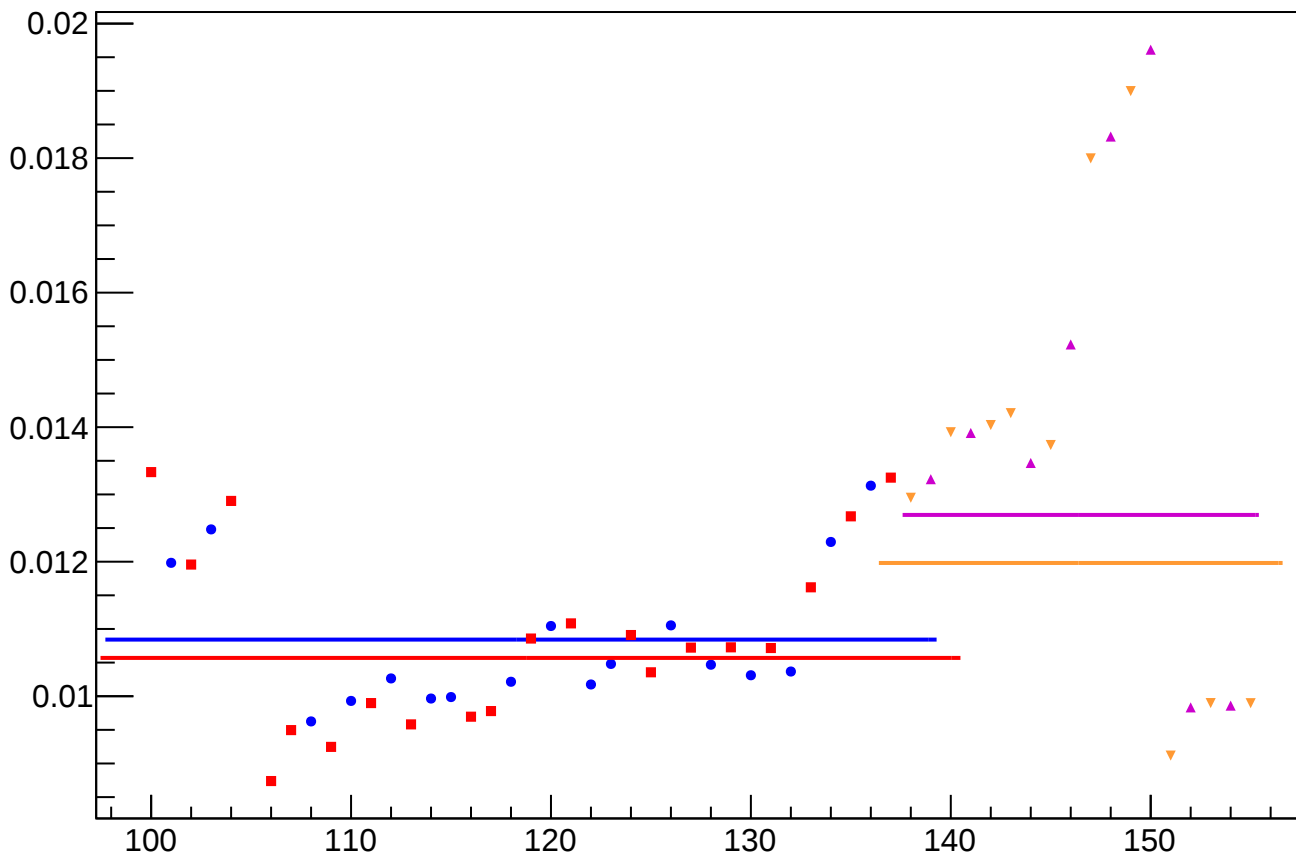
Left In: -2.298+/-0.000 χ^2/NDF : 2324283675.9/7

-1.085+/-0.000 χ^2/NDF : 130545427984.8/26

-1.008+/-0.000 χ^2/NDF : 254429482224.5

-0.929+/-0.000 χ^2/NDF : 122630953198.4/27

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011 $\pm$ 0.000 χ^2/NDF : 124260.3/16

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF : 802148.6/9

Right Out: 0.011 $\pm$ 0.000 χ^2/NDF : 179537.7/19

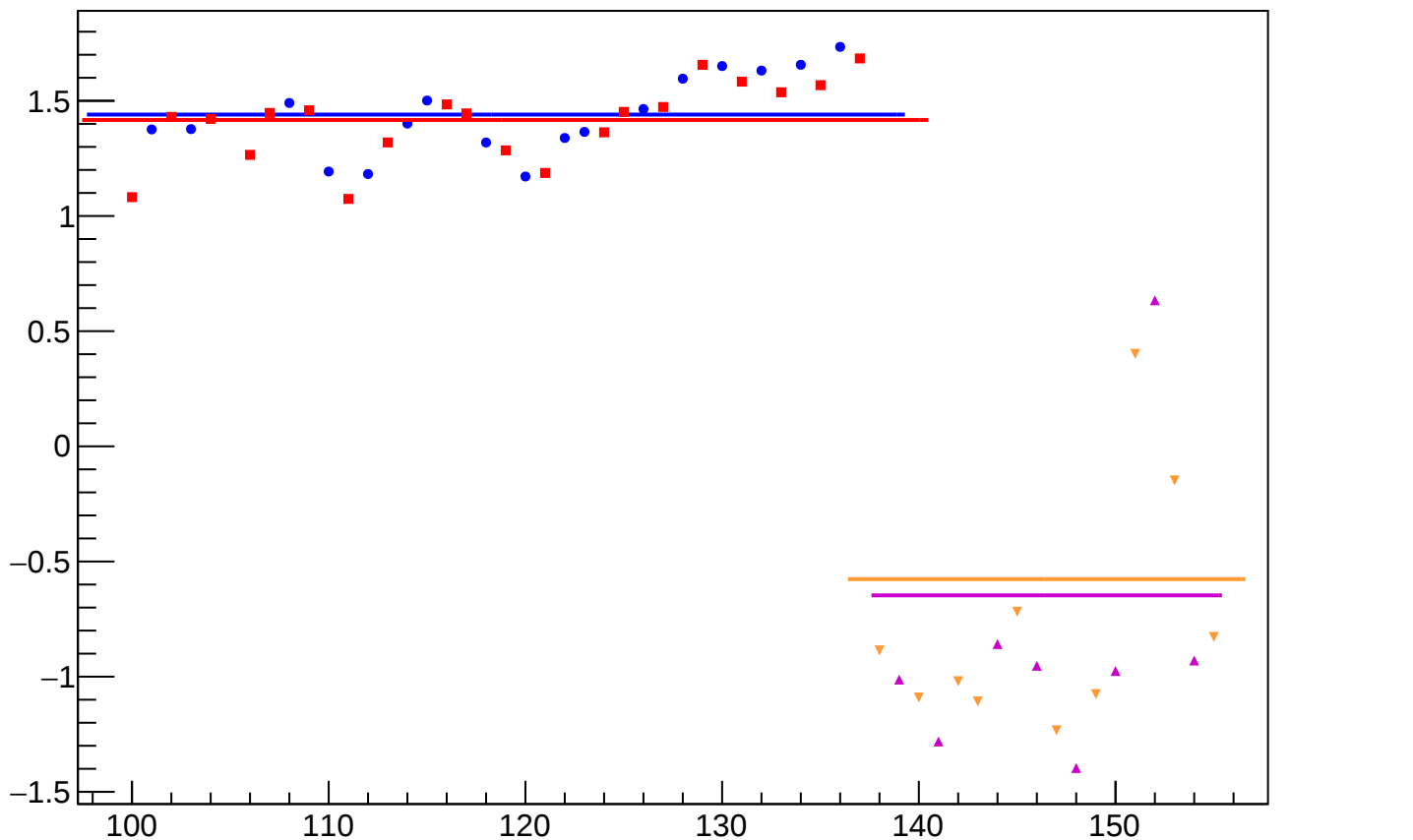
Left In: 0.013 $\pm$ 0.000 χ^2/NDF : 709216.2/7

0.011 $\pm$ 0.000 χ^2/NDF : 993874.5/26

0.011 $\pm$ 0.000 χ^2/NDF : 2097640.7/54

0.011 $\pm$ 0.000 χ^2/NDF : 1103764.6/27

yield_bpm1i02Y_mean vs Slug, Sign Corrected



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

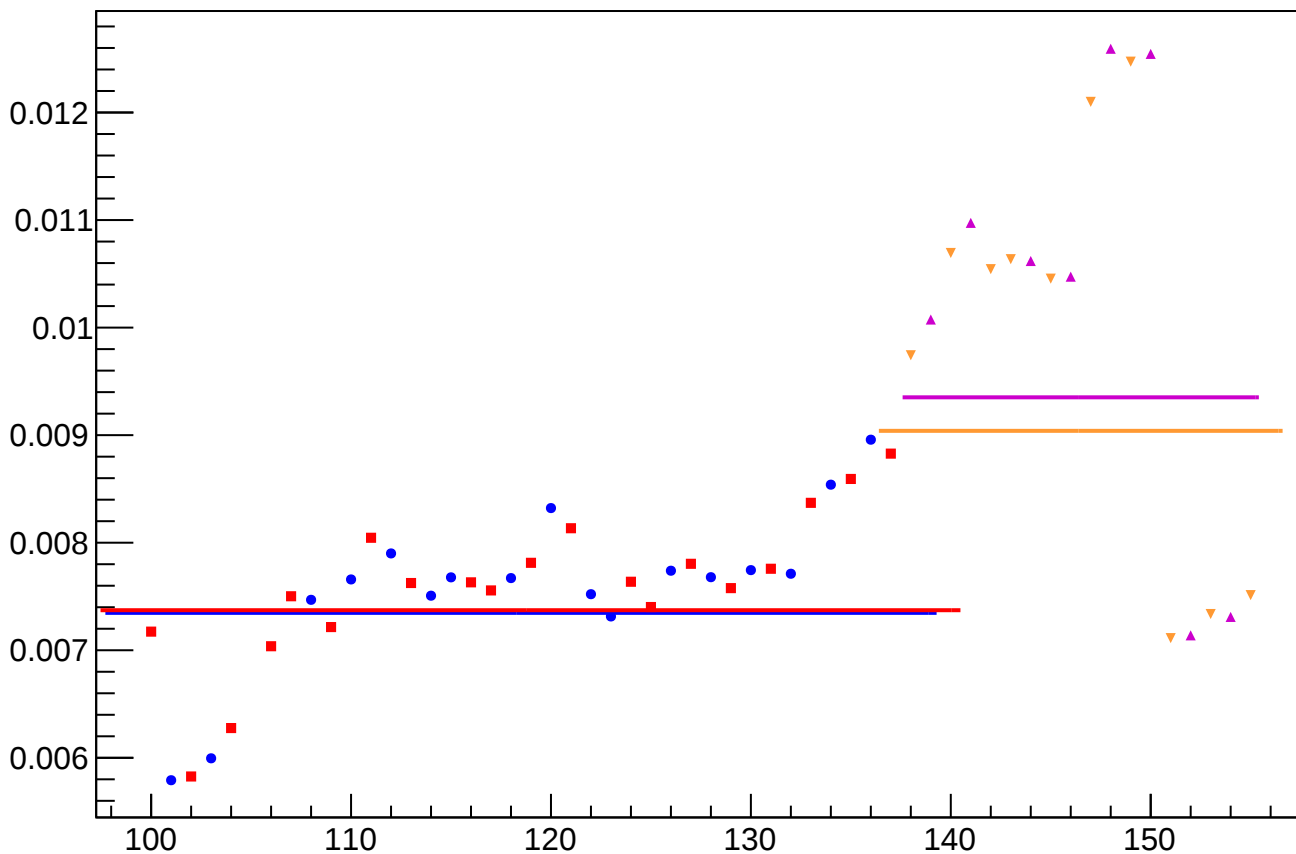
Left In: -0.647 $\pm$ 0.000 χ^2 /NDF: 36030618785.0/7

0.607 $\pm$ 0.000 χ^2 /NDF: 235485928512.5/26

0.646 $\pm$ 0.000 χ^2 /NDF: 470551471738.0/7

0.687 $\pm$ 0.000 χ^2 /NDF: 234418369645.4/27

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 228163.6/16

Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 606739.6/9

Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 172741.0/19

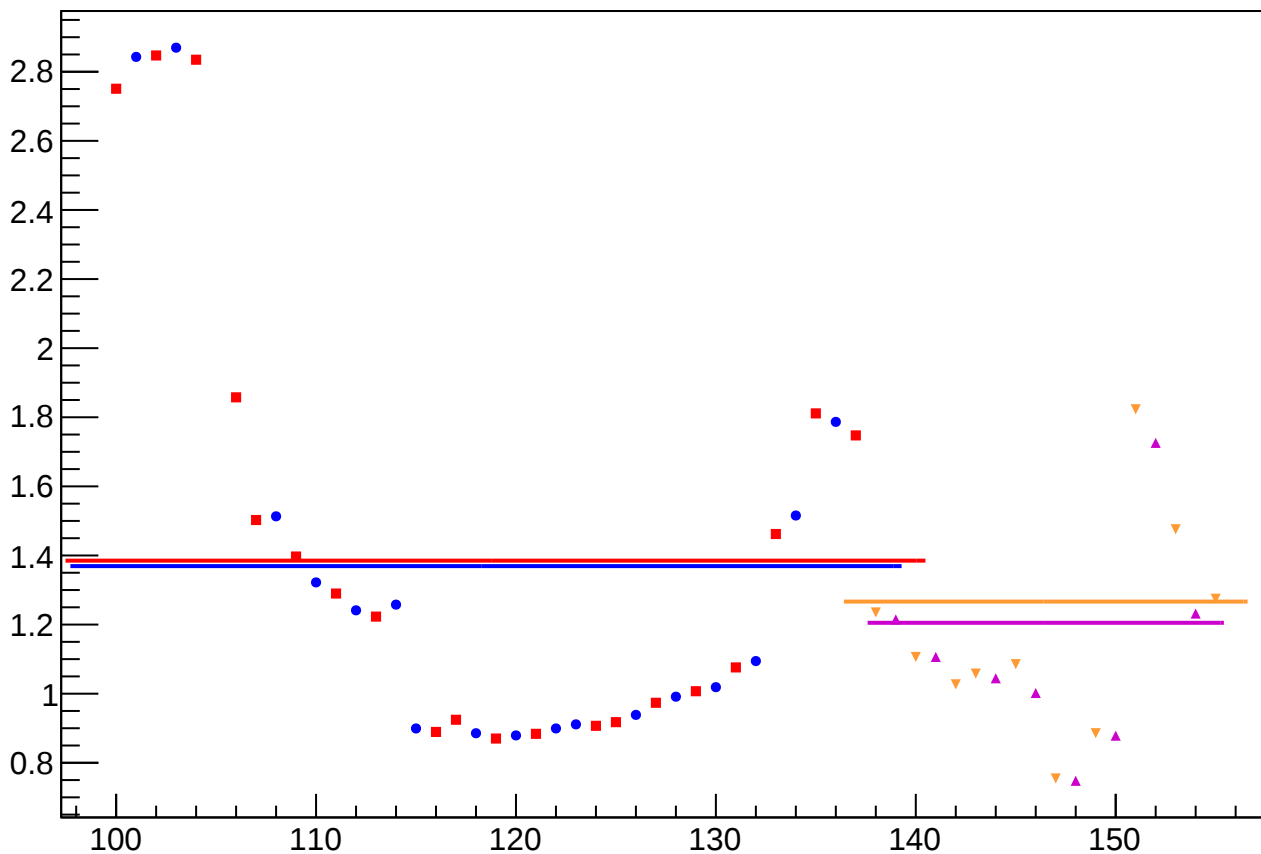
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 594781.3/7

0.008 $\pm$ 0.000 χ^2/NDF : 1123623.5/26

0.008 $\pm$ 0.000 χ^2/NDF : 2251346.7/54

0.008 $\pm$ 0.000 χ^2/NDF : 1127588.0/27

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.369 $\pm$ 0.000 χ^2/NDF : 54205395389.8/16

Left Out: 1.267 $\pm$ 0.000 χ^2/NDF : 8698668979.0/9

Right Out: 1.385 $\pm$ 0.000 χ^2/NDF : 50114562617.6/19

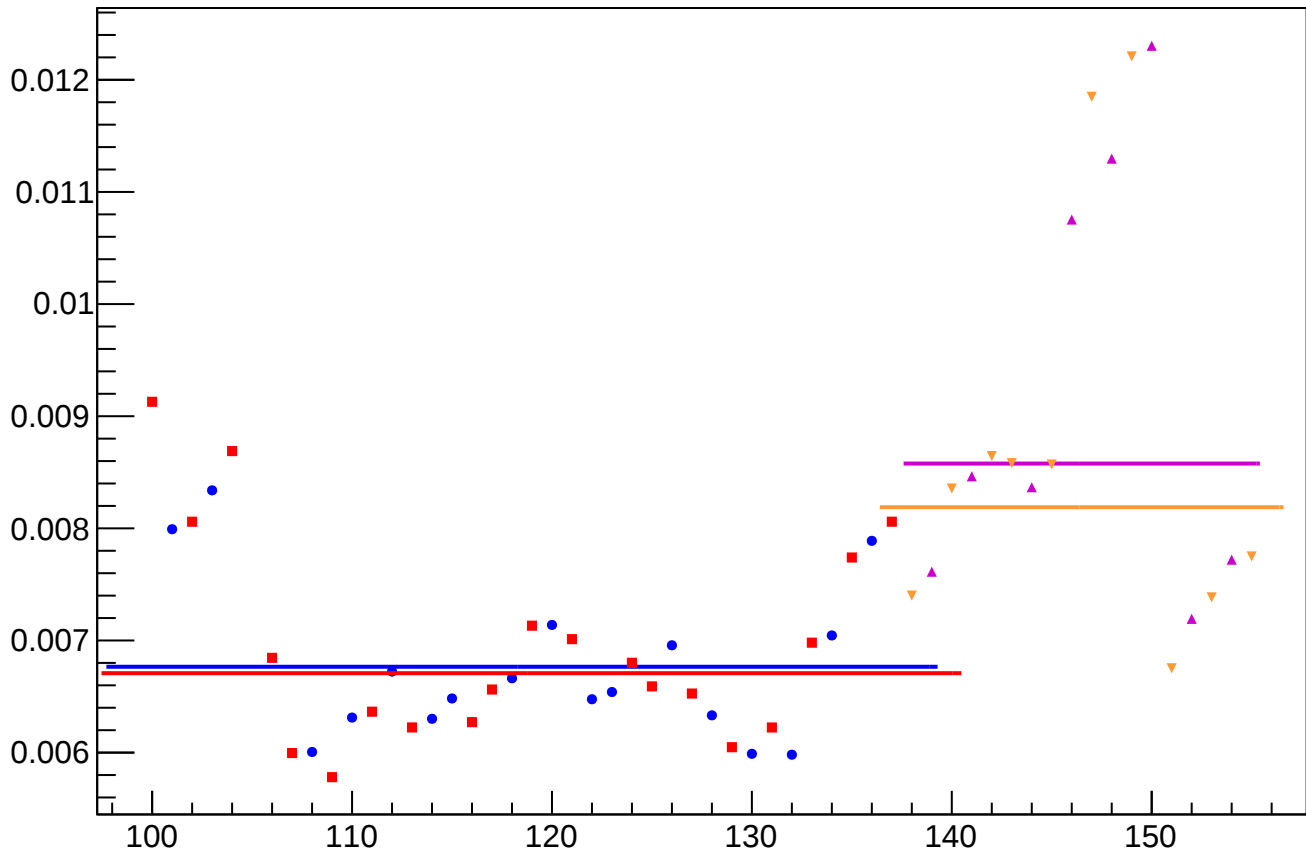
Left In: 1.205 $\pm$ 0.000 χ^2/NDF : 6800344875.7/7

1.327 $\pm$ 0.000 χ^2/NDF : 63532334556.8/26

1.325 $\pm$ 0.000 χ^2/NDF : 122198177329.7/27

1.323 $\pm$ 0.000 χ^2/NDF : 58664021747.5/27

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 159554.9/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 404221.2/9

Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 187869.7/19

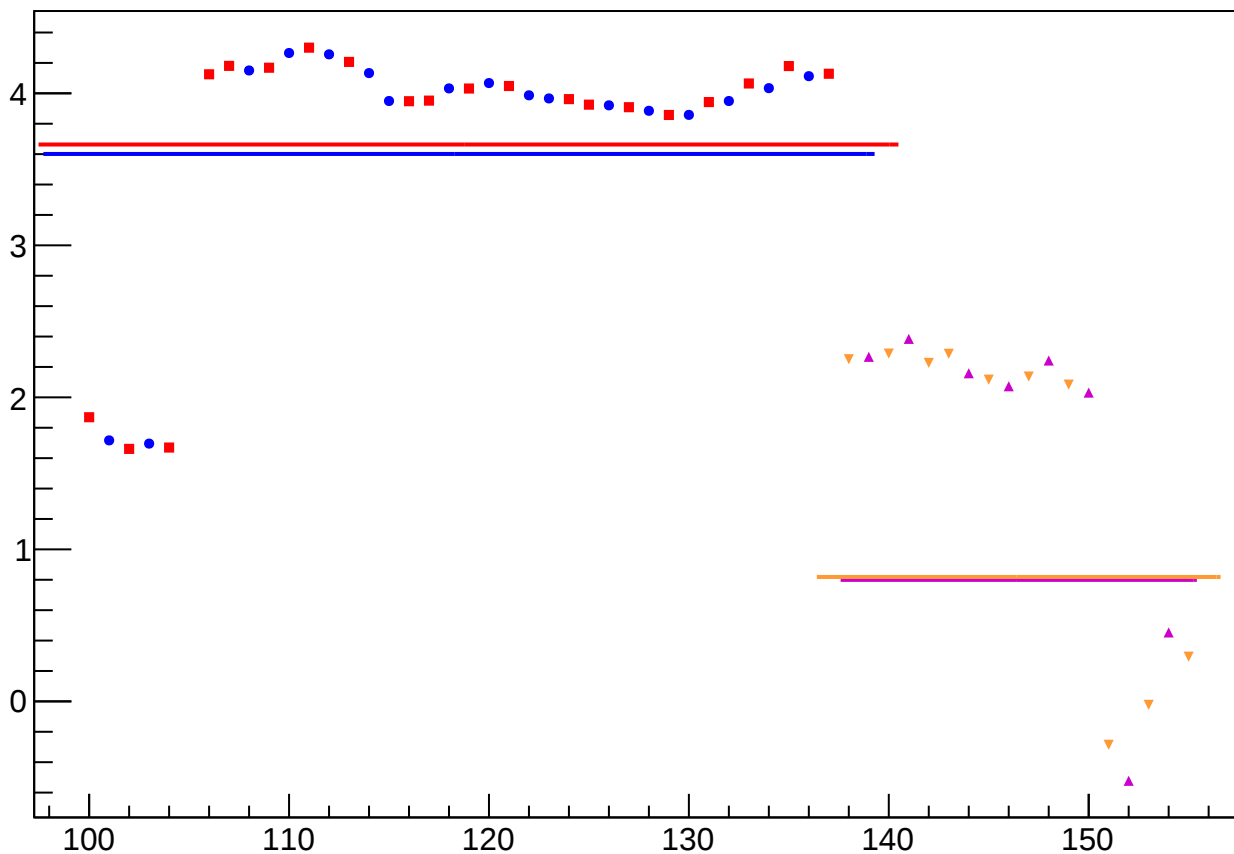
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 397105.3/7

0.007 $\pm$ 0.000 χ^2/NDF : 805115.0/26

0.007 $\pm$ 0.000 χ^2/NDF : 1767779.3/54

0.007 $\pm$ 0.000 χ^2/NDF : 962664.0/27

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.601 $\pm$ 0.000 χ^2 /NDF: 185806937655.3/16

Left Out: 0.818 $\pm$ 0.000 χ^2 /NDF: 237003575892.0/9

2.243 $\pm$ 0.000 χ^2 /NDF: 1238625570984.7/26

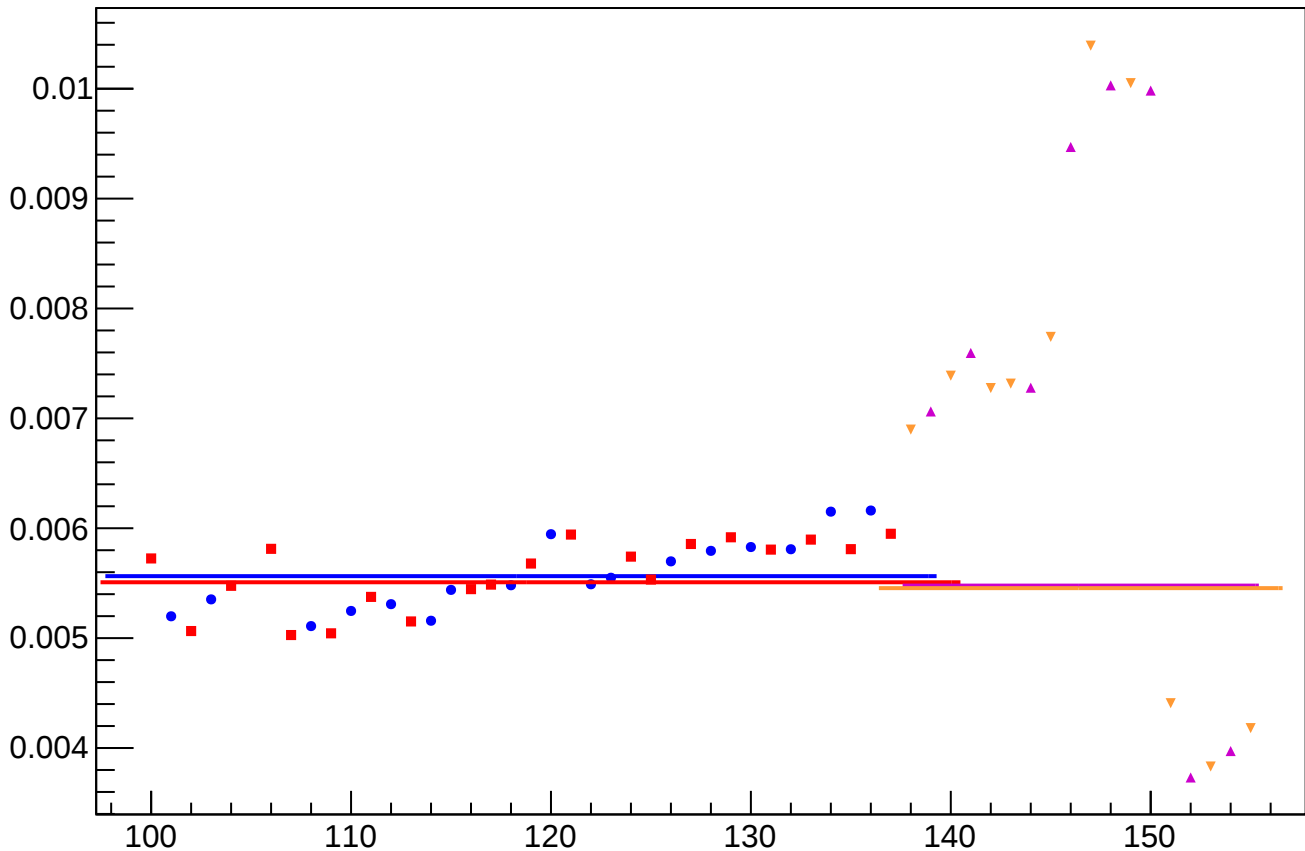
Right Out: 3.663 $\pm$ 0.000 χ^2 /NDF: 192640409625.9/19

2.331 $\pm$ 0.000 χ^2 /NDF: 2499487272046.1

Left In: 0.799 $\pm$ 0.000 χ^2 /NDF: 241096647087.2/7

2.421 $\pm$ 0.000 χ^2 /NDF: 1254312892084.7/27

yield_bpm1i04Y_rms vs Slug, Sign Corrected



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

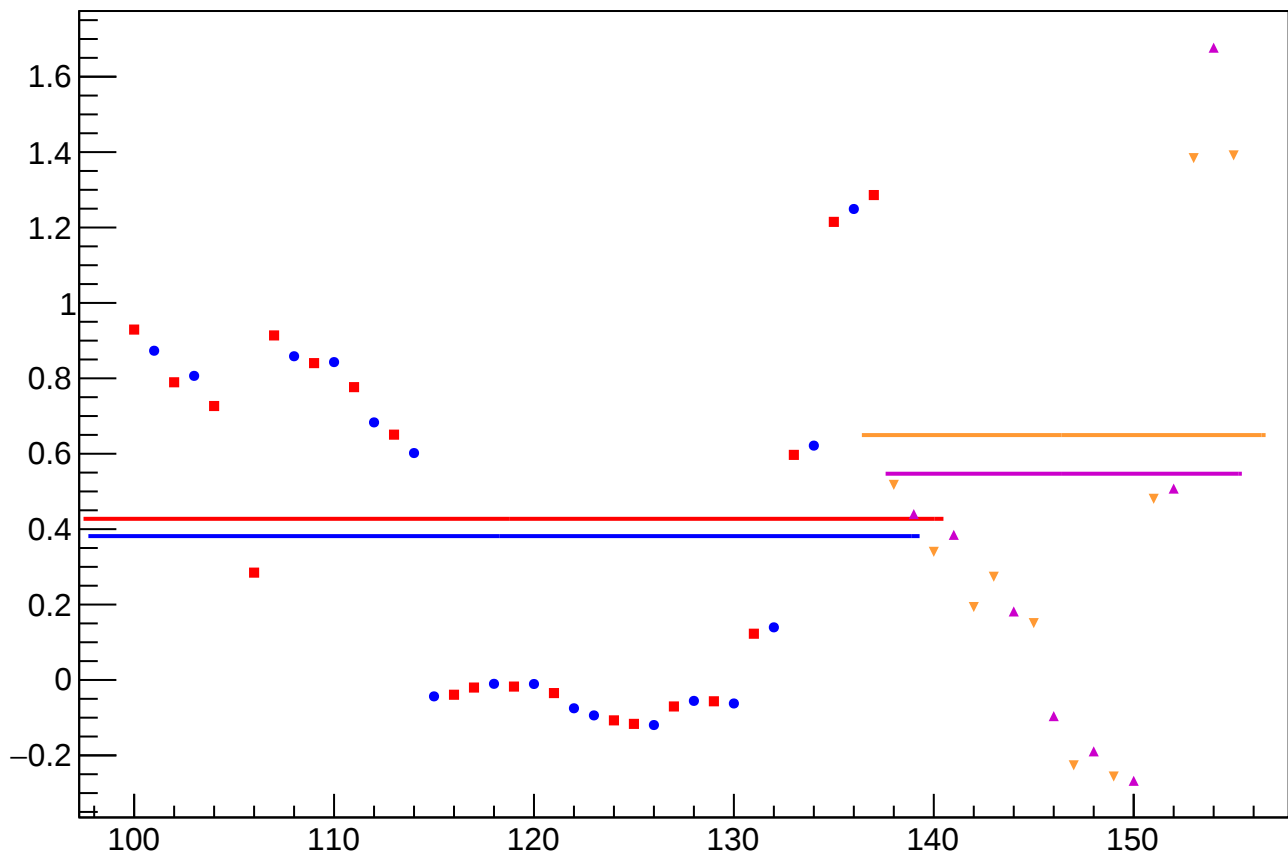
Left In: 0.005+/-0.000 χ^2/NDF : 1753090.1/7

0.006+/-0.000 χ^2/NDF : 1586704.4/26

0.006+/-0.000 χ^2/NDF : 3392715.6/54

0.005+/-0.000 χ^2/NDF : 1805910.2/27

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.382 $\pm$ 0.000 χ^2 /NDF: 7124759123.1/16

Left Out: 0.650 $\pm$ 0.000 χ^2 /NDF: 13901689626.5/9

Right Out: 0.427 $\pm$ 0.000 χ^2 /NDF: 6716521382.4/19

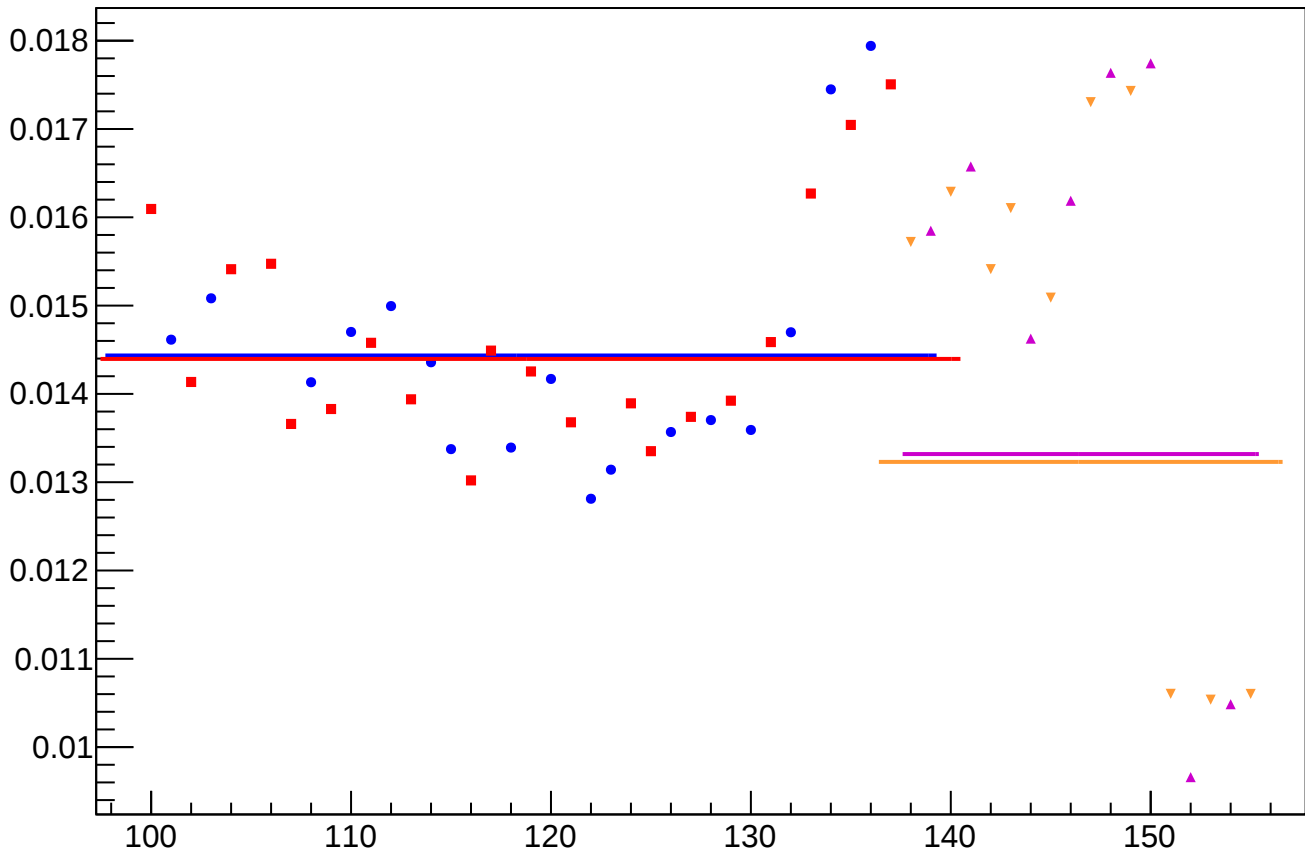
Left In: 0.547 $\pm$ 0.000 χ^2 /NDF: 14800808505.2/7

0.530 $\pm$ 0.000 χ^2 /NDF: 22291133863.4/26

0.509 $\pm$ 0.000 χ^2 /NDF: 44114009049.9/5

0.488 $\pm$ 0.000 χ^2 /NDF: 21760799798.7/27

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 110224.4/16

Left Out: 0.013+/-0.000 χ^2/NDF : 643061.3/9

Right Out: 0.014+/-0.000 χ^2/NDF : 74535.1/19

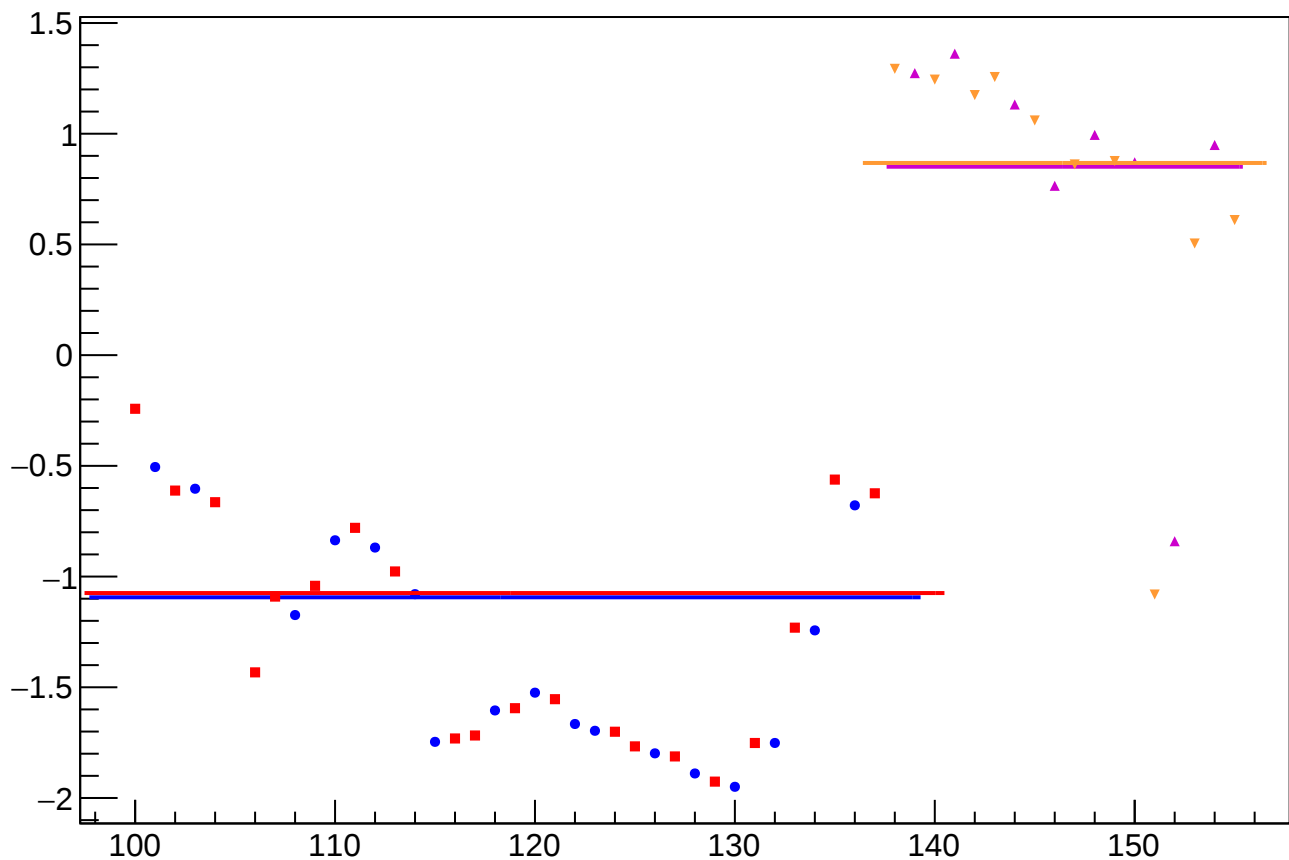
Left In: 0.013+/-0.000 χ^2/NDF : 720662.9/7

0.014+/-0.000 χ^2/NDF : 804436.2/26

0.014+/-0.000 χ^2/NDF : 1639648.7/54

0.014+/-0.000 χ^2/NDF : 834710.5/27

yield_bpm1i06Y_mean vs Slug, Sign Corrected



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

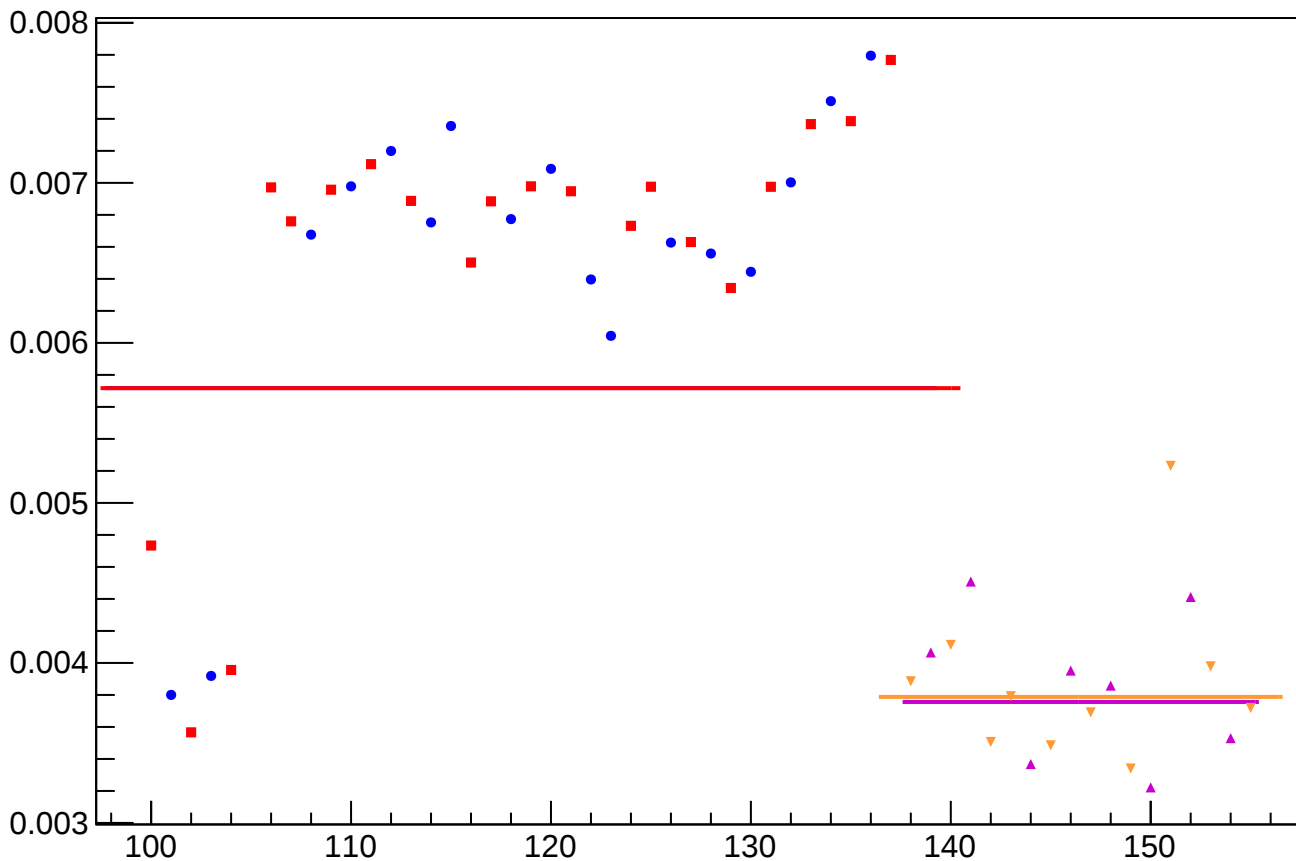
Left In: 0.851+/-0.000 χ^2/NDF :138440350291.5/7

0.303+/-0.000 χ^2/NDF : 673857500824.4/26

0.271+/-0.000 χ^2/NDF : 1339600403979.8

0.237+/-0.000 χ^2/NDF : 664393570718.8/27

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 837775.0/16

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:146560.0/9

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 925957.4/19

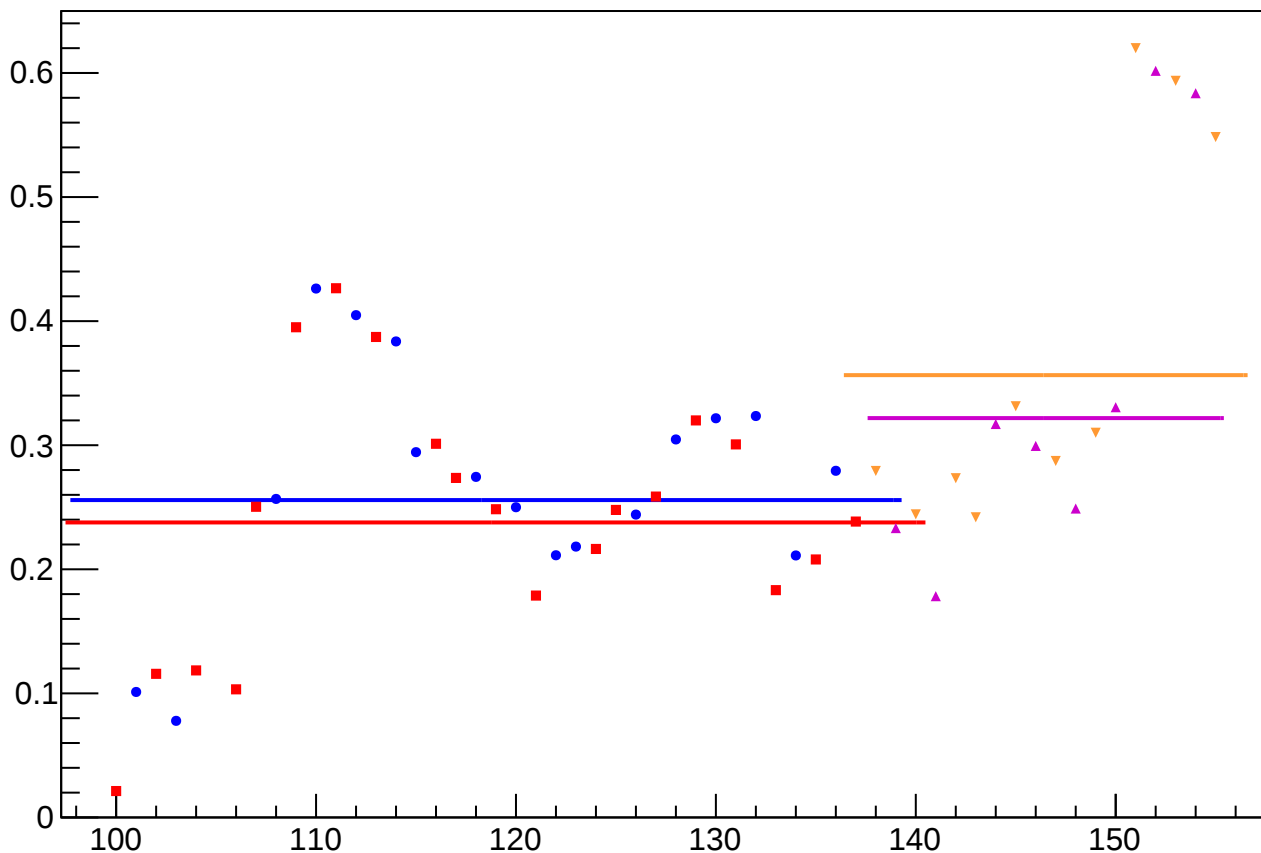
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:158157.4/7

0.004 $\pm$ 0.000 χ^2 /NDF: 1947606.3/26

0.004 $\pm$ 0.000 χ^2 /NDF: 4025919.9/54

0.004 $\pm$ 0.000 χ^2 /NDF: 2077425.0/27

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.256 $\pm$ 0.000 χ^2/NDF : 21365489849.4/16

Left Out: 0.356 $\pm$ 0.000 χ^2/NDF : 43166286516.5/9

Right Out: 0.238 $\pm$ 0.000 χ^2/NDF : 26077768189.7/19

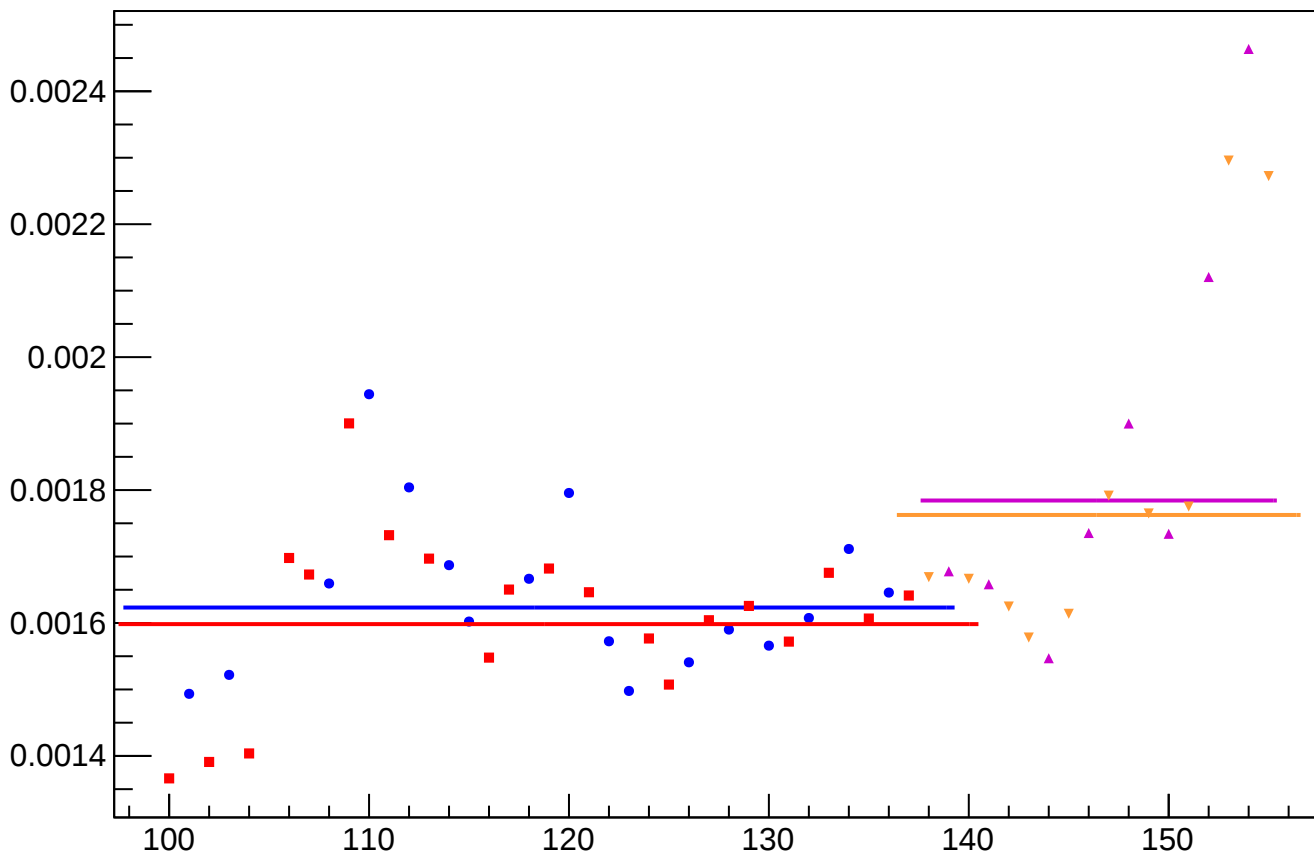
Left In: 0.322 $\pm$ 0.000 χ^2/NDF : 32647143133.1/7

0.305 $\pm$ 0.000 χ^2/NDF : 76569839457.2/26

0.289 $\pm$ 0.000 χ^2/NDF : 145778226487.9/27

0.273 $\pm$ 0.000 χ^2/NDF : 66819104950.1/27

yield_bpm2i01X_rms vs Slug, Sign Corrected



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

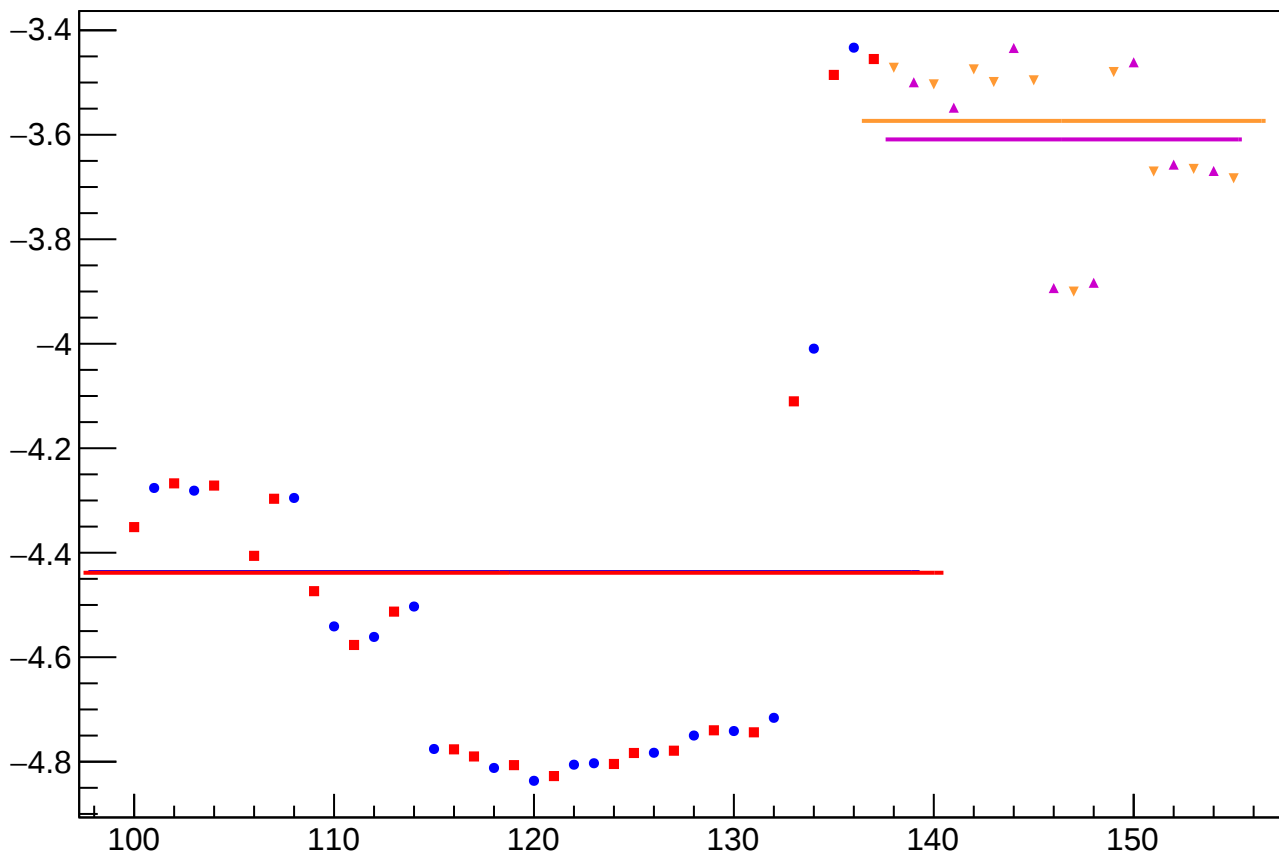
Left In: 0.002+/-0.000 χ^2/NDF : 229284.6/7

0.002+/-0.000 χ^2/NDF : 308941.1/26

0.002+/-0.000 χ^2/NDF : 709187.4/54

0.002+/-0.000 χ^2/NDF : 399198.2/27

yield_bpm2i01Y_mean vs Slug, Sign Corrected



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

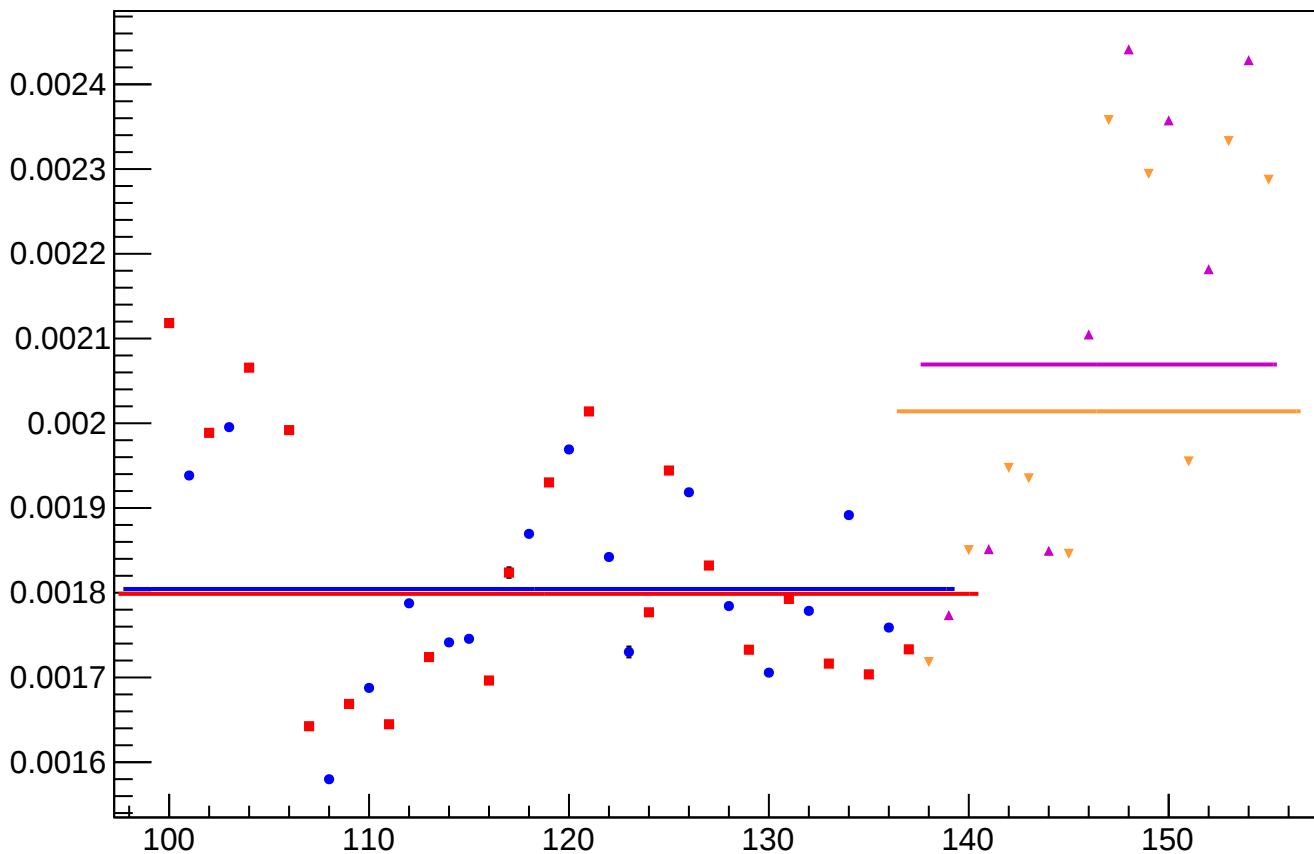
Right Out: -4.438+/-0.000 χ^2/NDF : 326800745779.7/19

-4.067+/-0.000 χ^2/NDF : 2085971502875.

-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, Sign Corrected



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

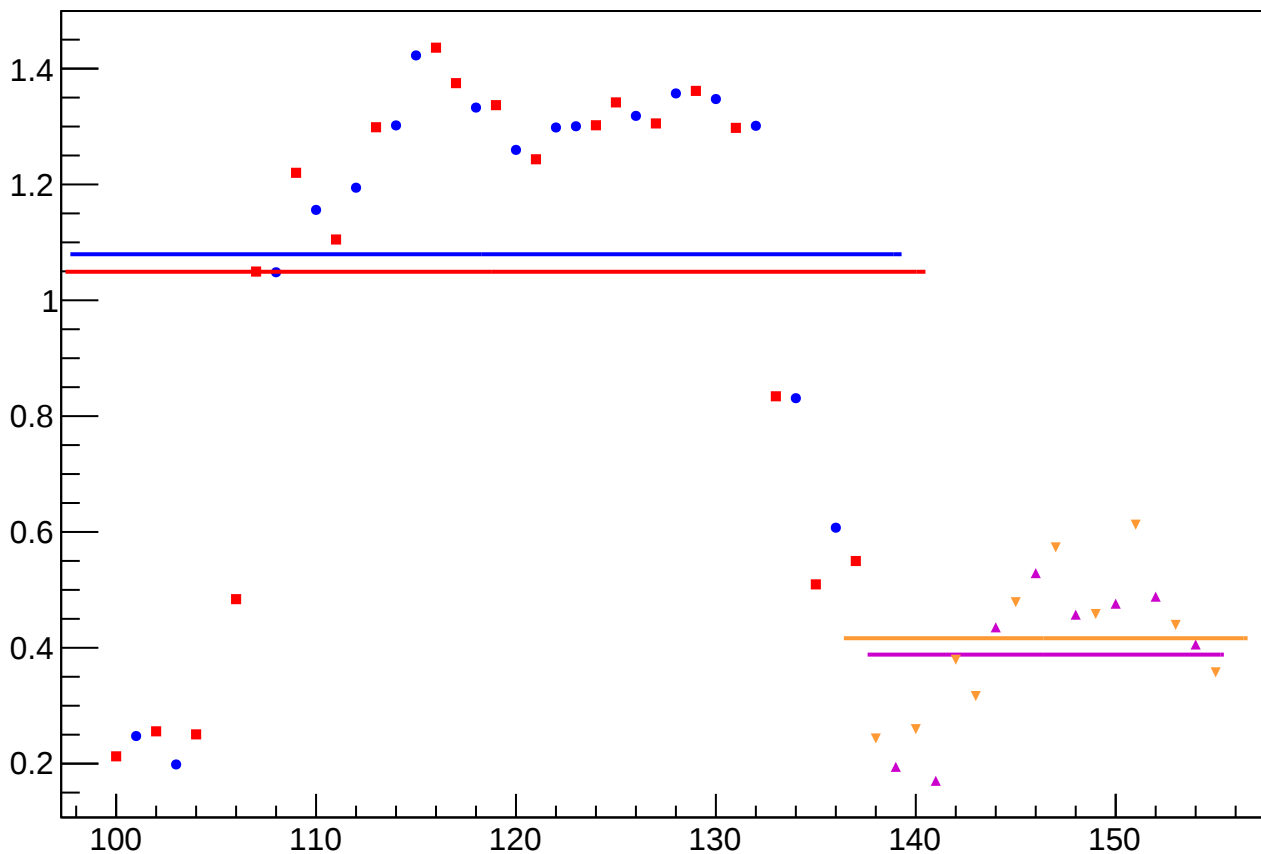
Left In: 0.002+/-0.000 χ^2/NDF :186419.2/7

0.002+/-0.000 χ^2/NDF : 307610.6/26

0.002+/-0.000 χ^2/NDF : 702637.1/54

0.002+/-0.000 χ^2/NDF : 394856.8/27

yield_bpm2i02X_mean vs Slug, Sign Corrected



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

Right Out: 1.049 $\pm$ 0.000 χ^2 /NDF: 19787986428.4/19

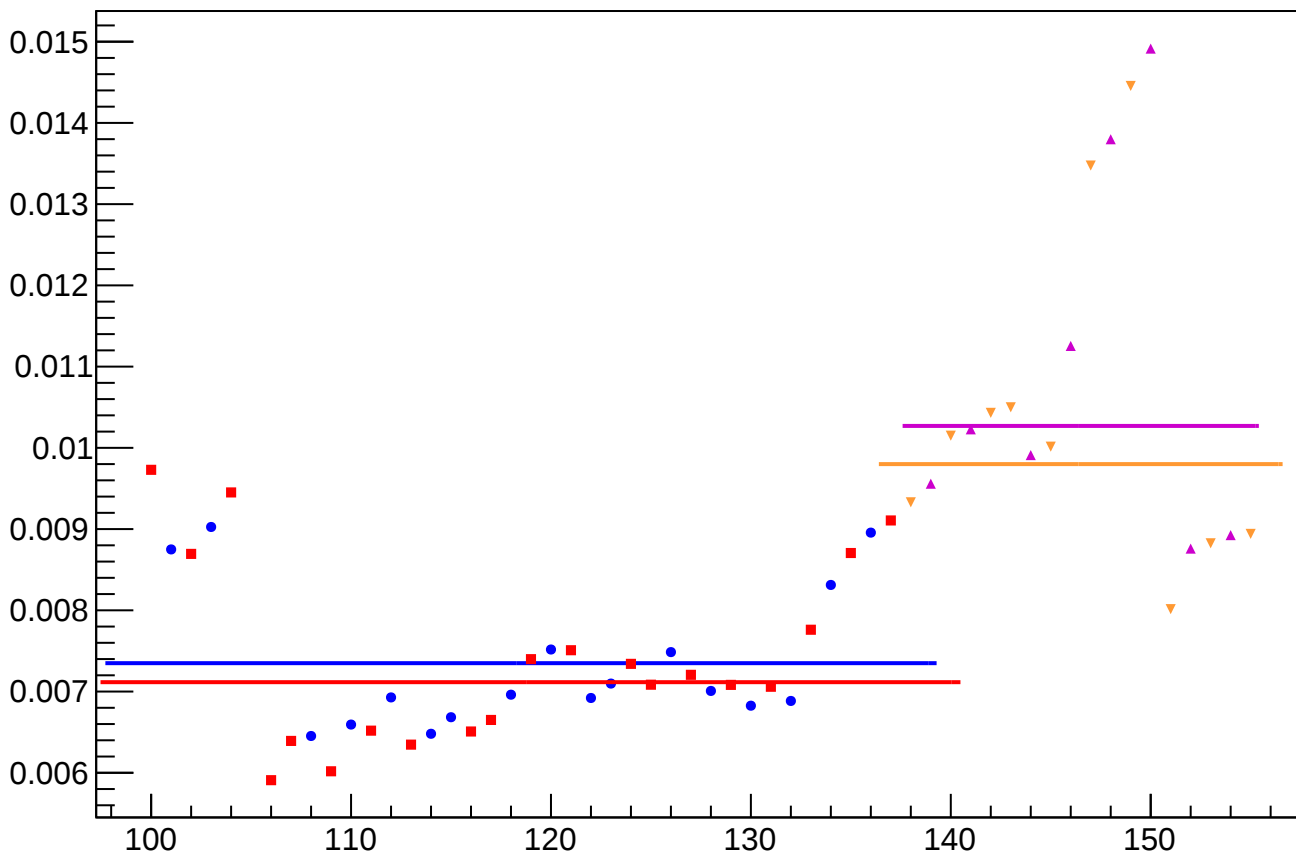
Left In: 0.388 $\pm$ 0.000 χ^2 /NDF:966091221.8/7

0.829 $\pm$ 0.000 χ^2 /NDF: 38980089509.4/26

0.840 $\pm$ 0.000 χ^2 /NDF: 78037918937.6/5

0.850 $\pm$ 0.000 χ^2 /NDF: 39015799952.9/27

yield_bpm2i02X_rms vs Slug, Sign Corrected



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

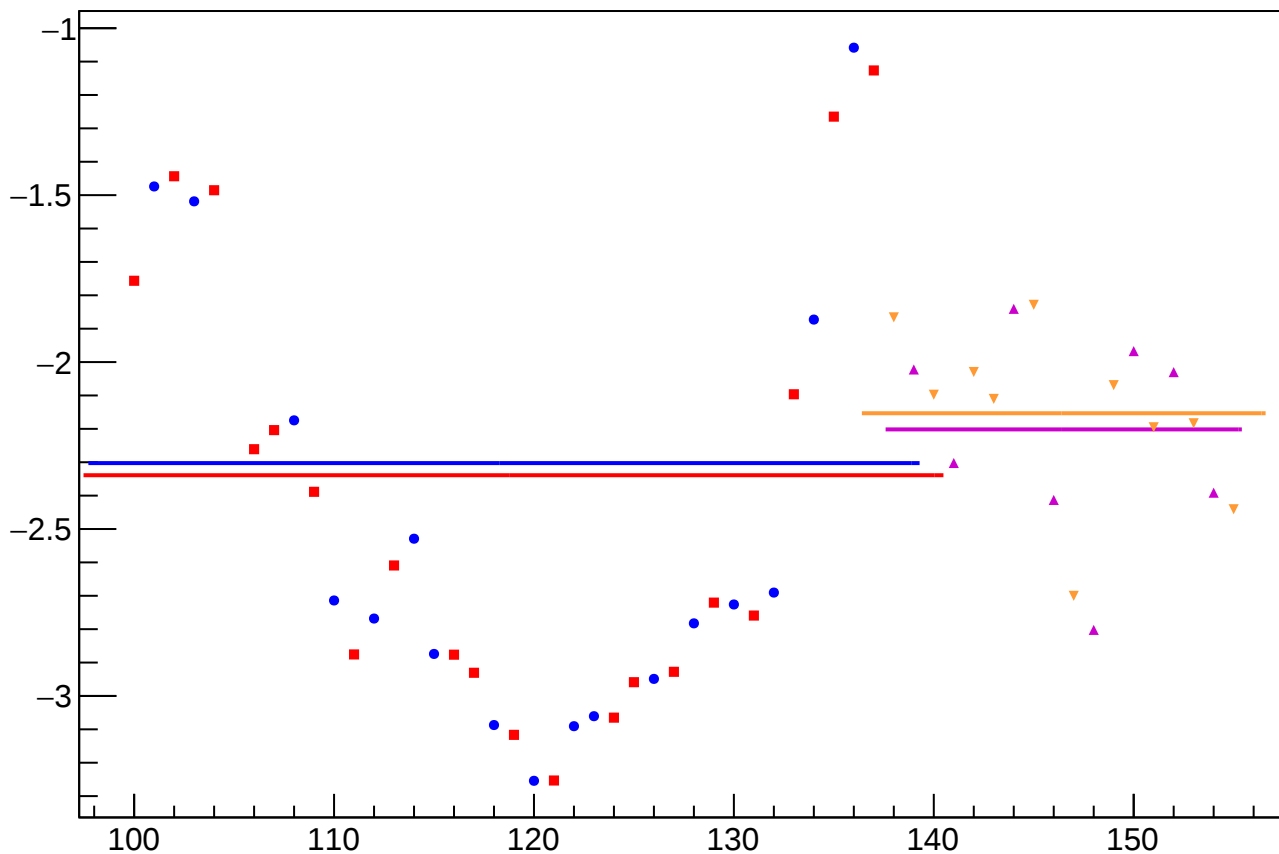
Left In: 0.010+/-0.000 χ^2/NDF : 380805.2/7

0.008+/-0.000 χ^2/NDF : 1144720.4/26

0.008+/-0.000 χ^2/NDF : 2625355.2/54

0.008+/-0.000 χ^2/NDF : 1472119.0/27

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.303+/-0.000 χ^2/NDF : 73755914805.8/16

Left Out: -2.153+/-0.000 χ^2/NDF : 4989194671.1/9

Right Out: -2.339+/-0.000 χ^2/NDF : 64804828308.5/19

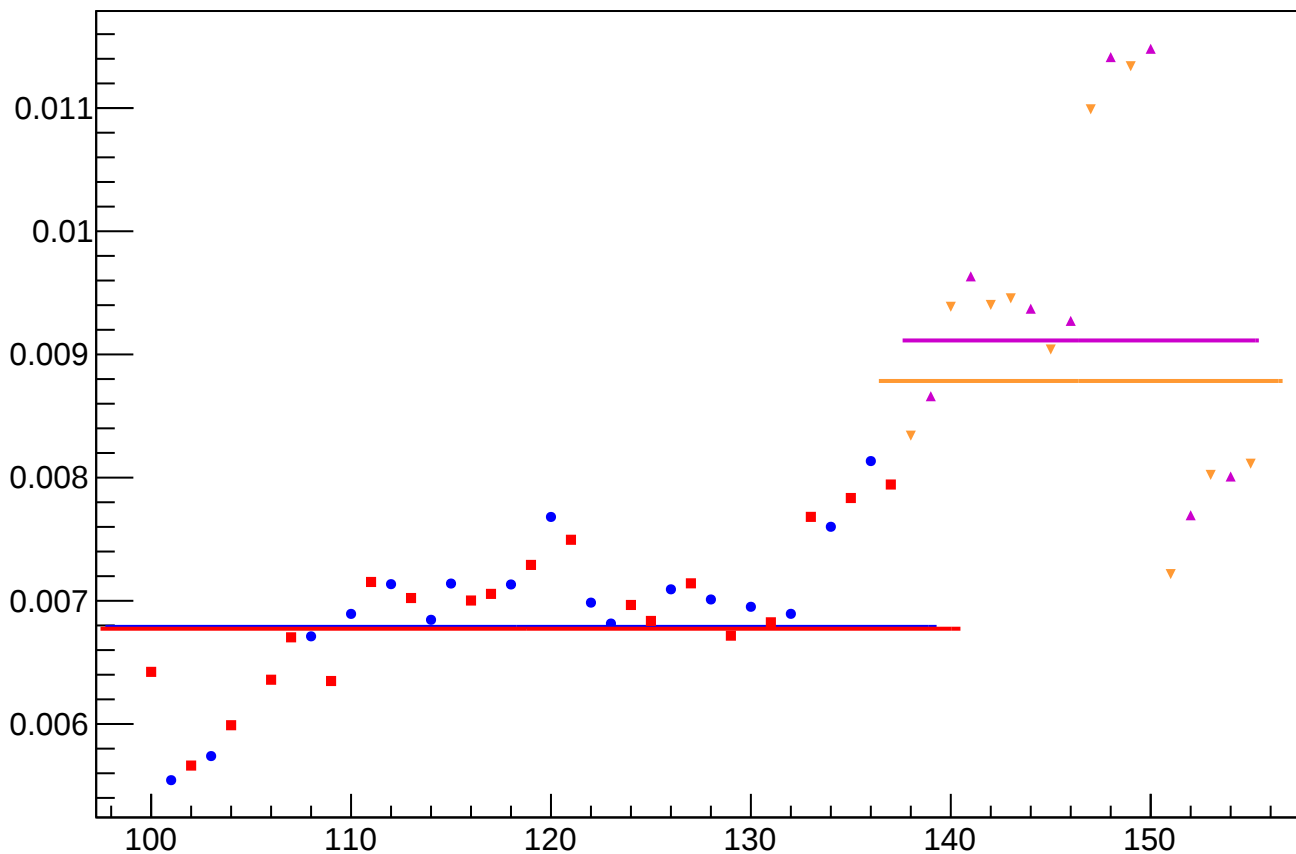
Left In: -2.202+/-0.000 χ^2/NDF : 5536669247.1/7

-2.244+/-0.000 χ^2/NDF : 80009171907.6/26

-2.268+/-0.000 χ^2/NDF : 151607166431.5

-2.293+/-0.000 χ^2/NDF : 71310914783.8/27

yield_bpm2i02Y_rms vs Slug, Sign Corrected



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

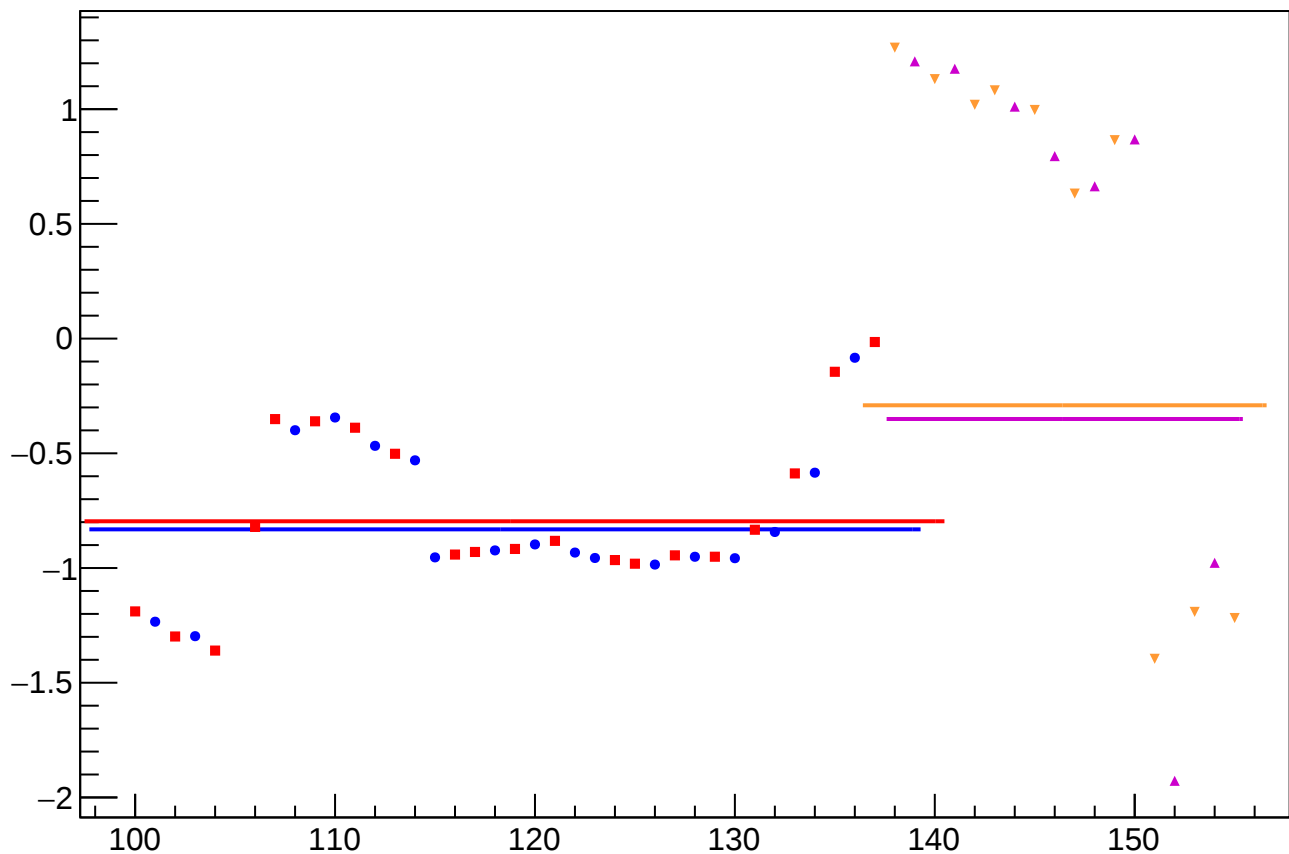
Left In: 0.009+/-0.000 χ^2/NDF : 237184.8/7

0.008+/-0.000 χ^2/NDF : 883663.3/26

0.008+/-0.000 χ^2/NDF : 1807948.5/54

0.008+/-0.000 χ^2/NDF : 924166.7/27

yield_bpm0i01X_mean vs Slug, Sign Corrected



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

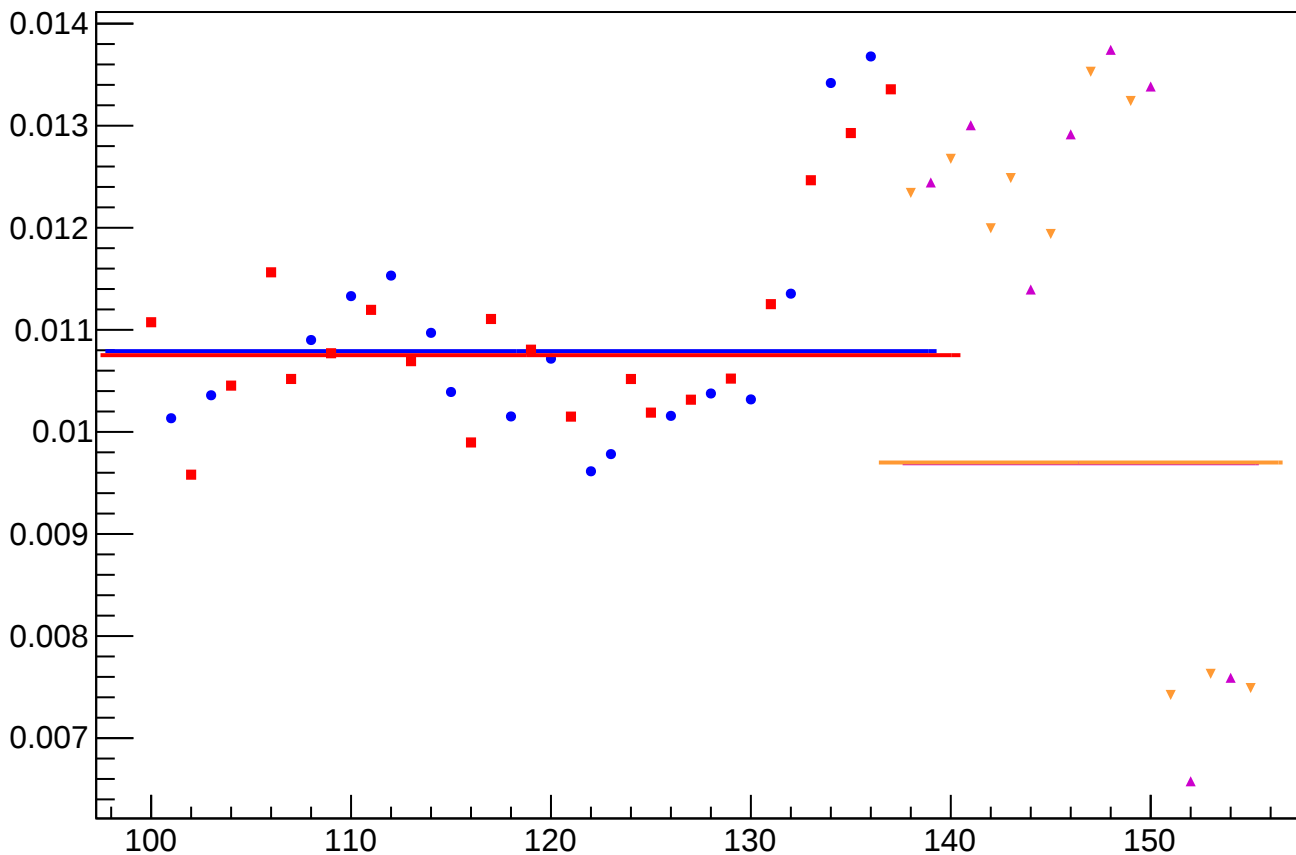
Left In: -0.350+/-0.000 χ^2/NDF : 103488899941.0/7

-0.530+/-0.000 χ^2/NDF : 107545483422.5/26

-0.549+/-0.000 χ^2/NDF : 225034827734.3

-0.569+/-0.000 χ^2/NDF : 117391695762.4/27

yield_bpm0i01X_rms vs Slug, Sign Corrected



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

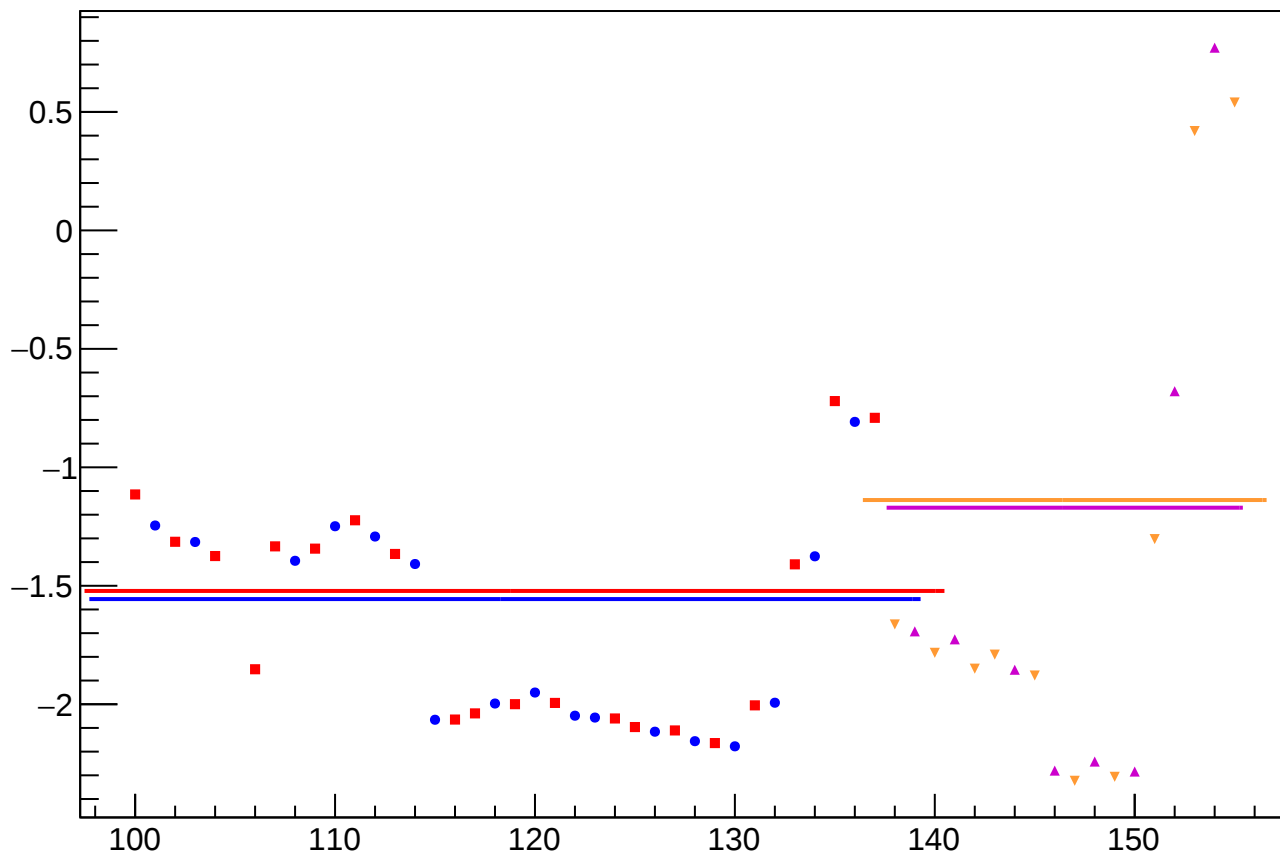
Left In: 0.010+/-0.000 χ^2/NDF : 1060748.4/7

0.010+/-0.000 χ^2/NDF : 1124688.9/26

0.010+/-0.000 χ^2/NDF : 2344414.1/54

0.010+/-0.000 χ^2/NDF : 1219612.0/27

yield_bpm0i01Y_mean vs Slug, Sign Corrected



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

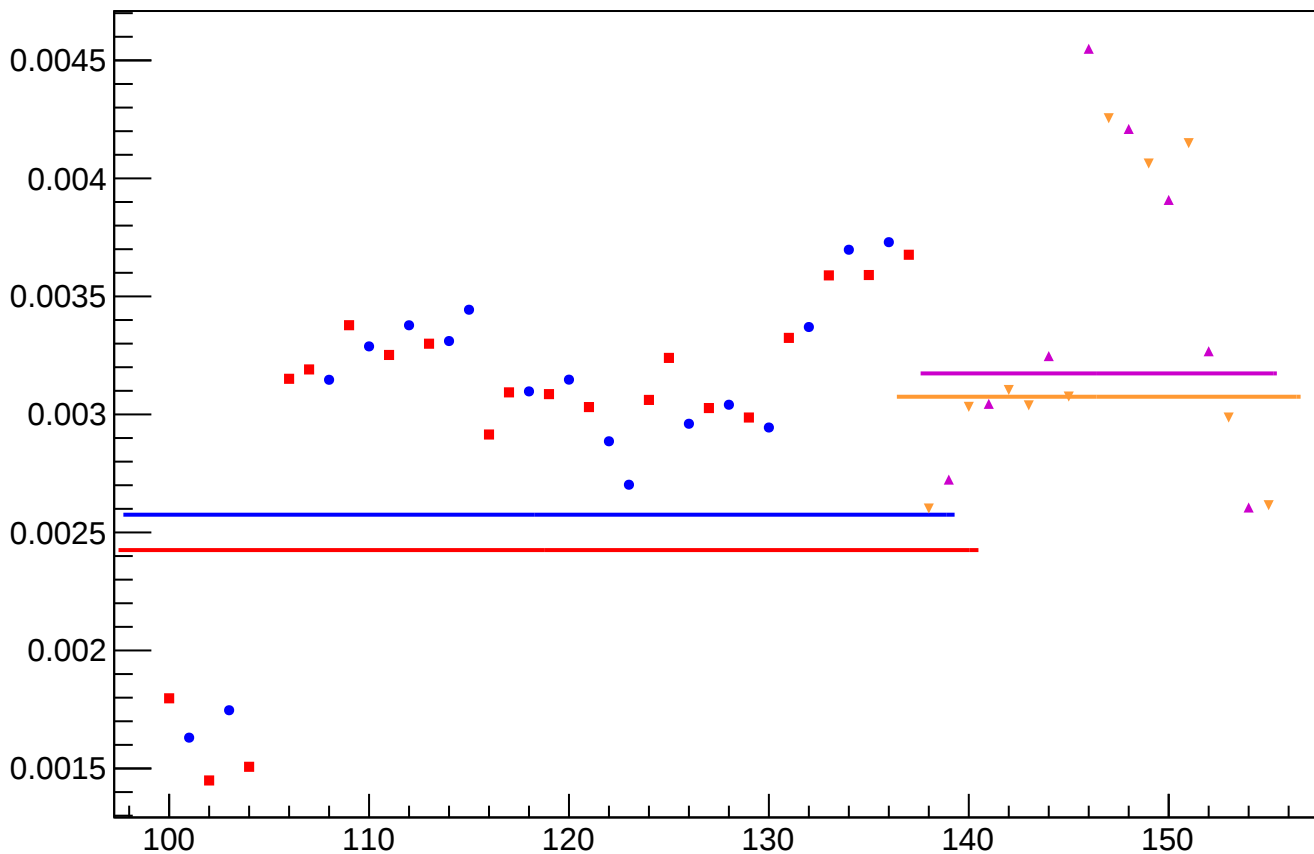
Left In: -1.170+/-0.000 χ^2/NDF : 665044446860.3/7

-1.374+/-0.000 χ^2/NDF : 977837551039.5/26

-1.385+/-0.000 χ^2/NDF : 1825513070527.0/10

-1.396+/-0.000 χ^2/NDF : 847324162986.0/27

yield_bpm0i01Y_rms vs Slug, Sign Corrected



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

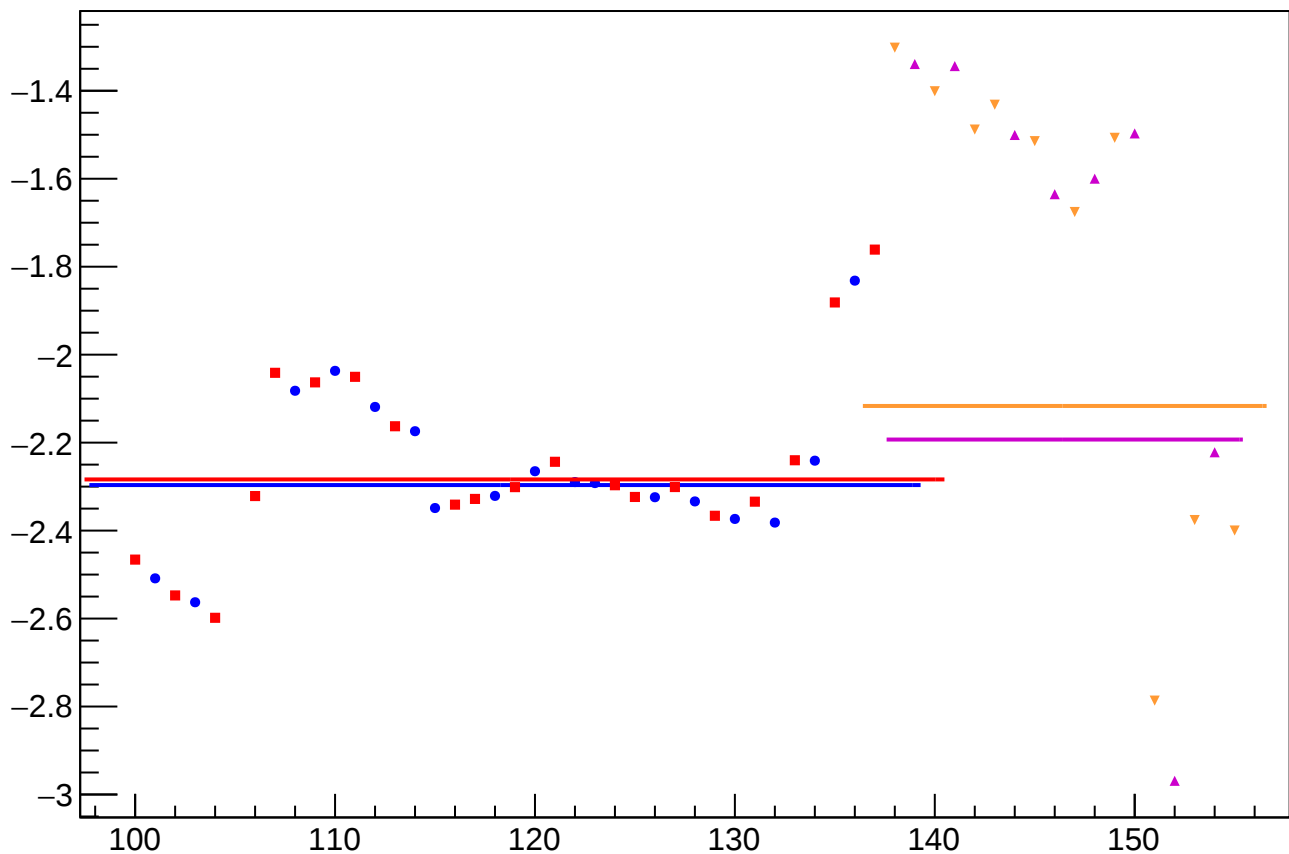
Left In: 0.003+/-0.000 χ^2/NDF : 332415.6/7

0.003+/-0.000 χ^2/NDF : 1535099.8/26

0.003+/-0.000 χ^2/NDF : 3764779.3/54

0.003+/-0.000 χ^2/NDF : 2214872.9/27

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -2.296 $\pm$ 0.000 χ^2/NDF : 5782980938.4/16

Left Out: -2.117 $\pm$ 0.000 χ^2/NDF : 47274349660.5/9

Right Out: -2.284 $\pm$ 0.000 χ^2/NDF : 6550363990.6/19

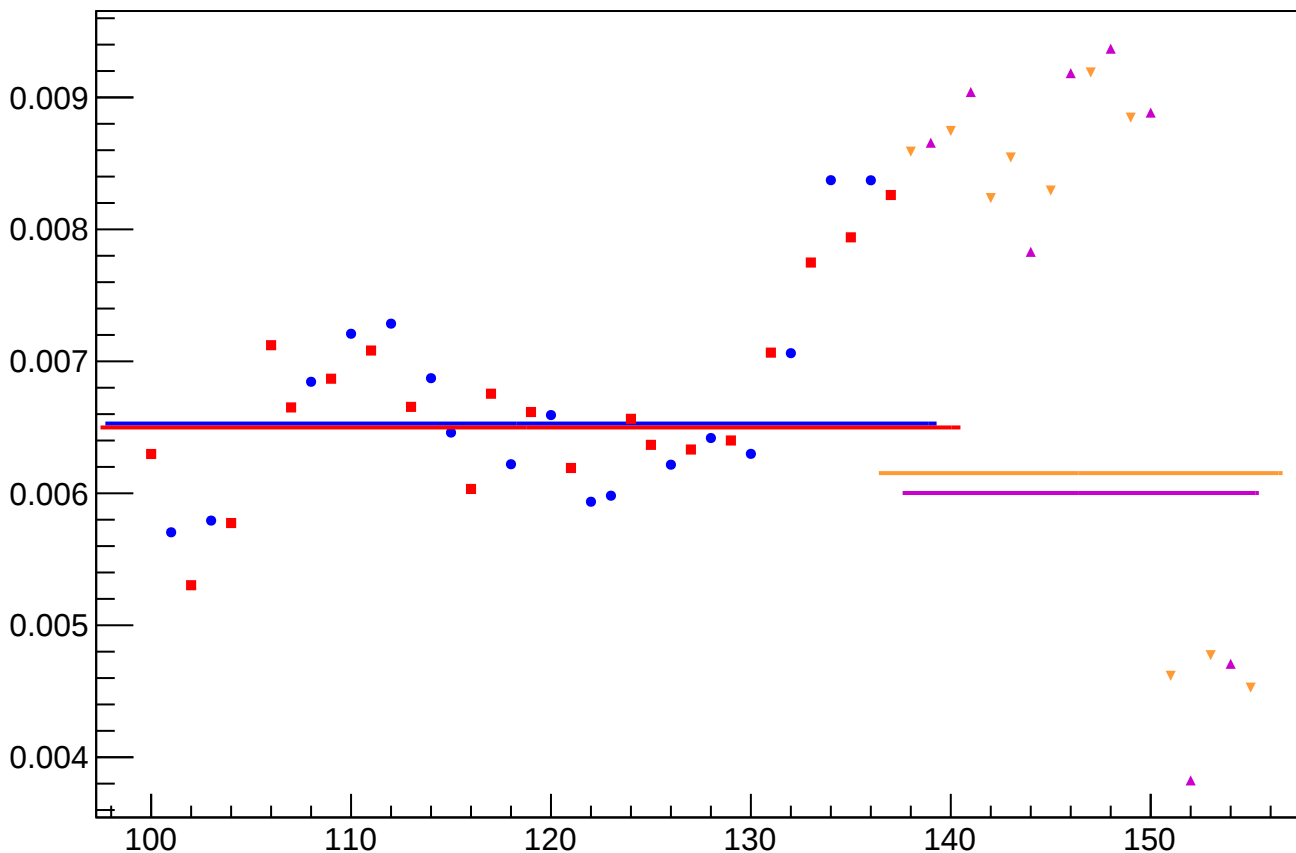
Left In: -2.193 $\pm$ 0.000 χ^2/NDF : 63572182109.9/7

-2.202 $\pm$ 0.000 χ^2/NDF : 55639736289.5/26

-2.221 $\pm$ 0.000 χ^2/NDF : 126633413763.8

-2.240 $\pm$ 0.000 χ^2/NDF : 70765246205.9/27

yield_bpm0i01aX_rms vs Slug, Sign Corrected



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

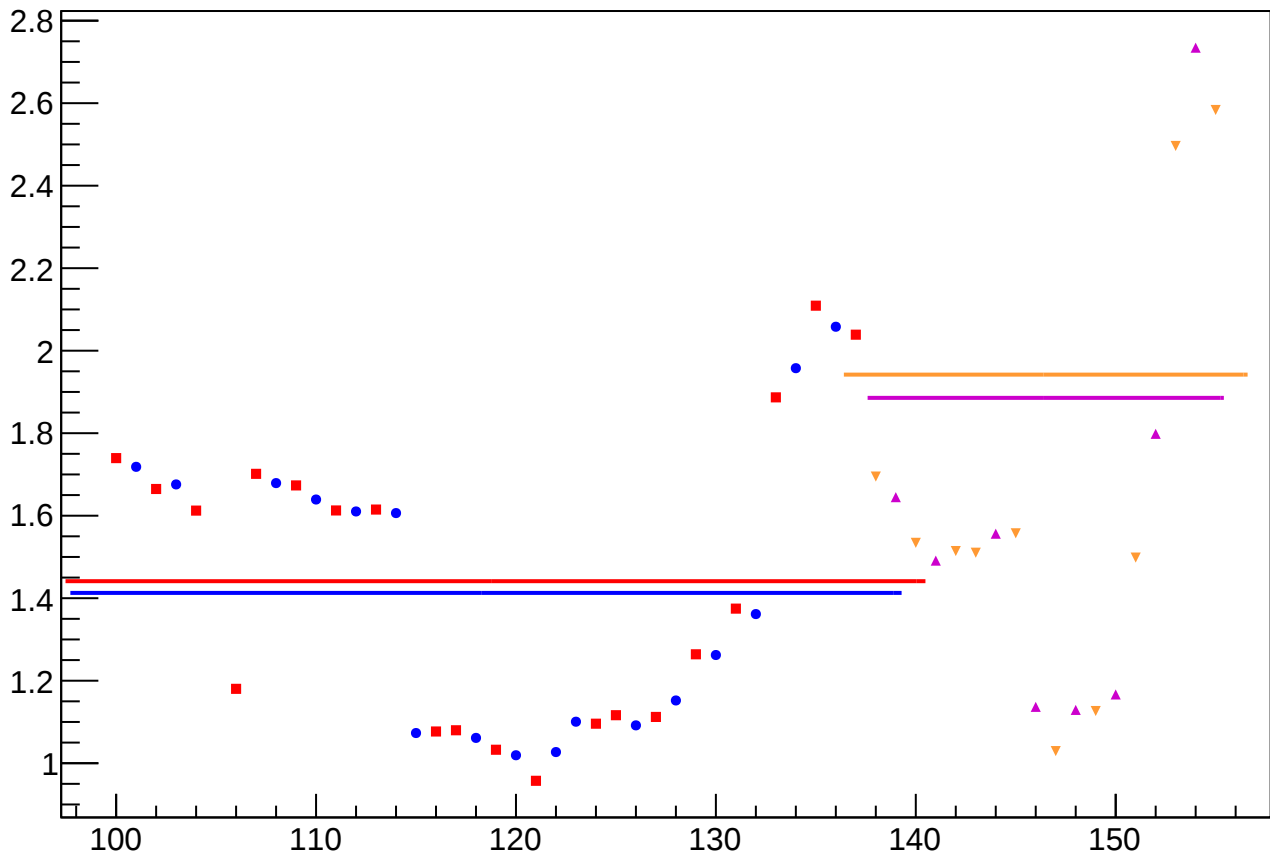
Left In: 0.006+/-0.000 χ^2/NDF :1579649.5/7

0.006+/-0.000 χ^2/NDF : 1486652.1/26

0.006+/-0.000 χ^2/NDF : 3270768.9/54

0.006+/-0.000 χ^2/NDF : 1782466.4/27

yield_bpm0i01aY_mean vs Slug, Sign Corrected



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

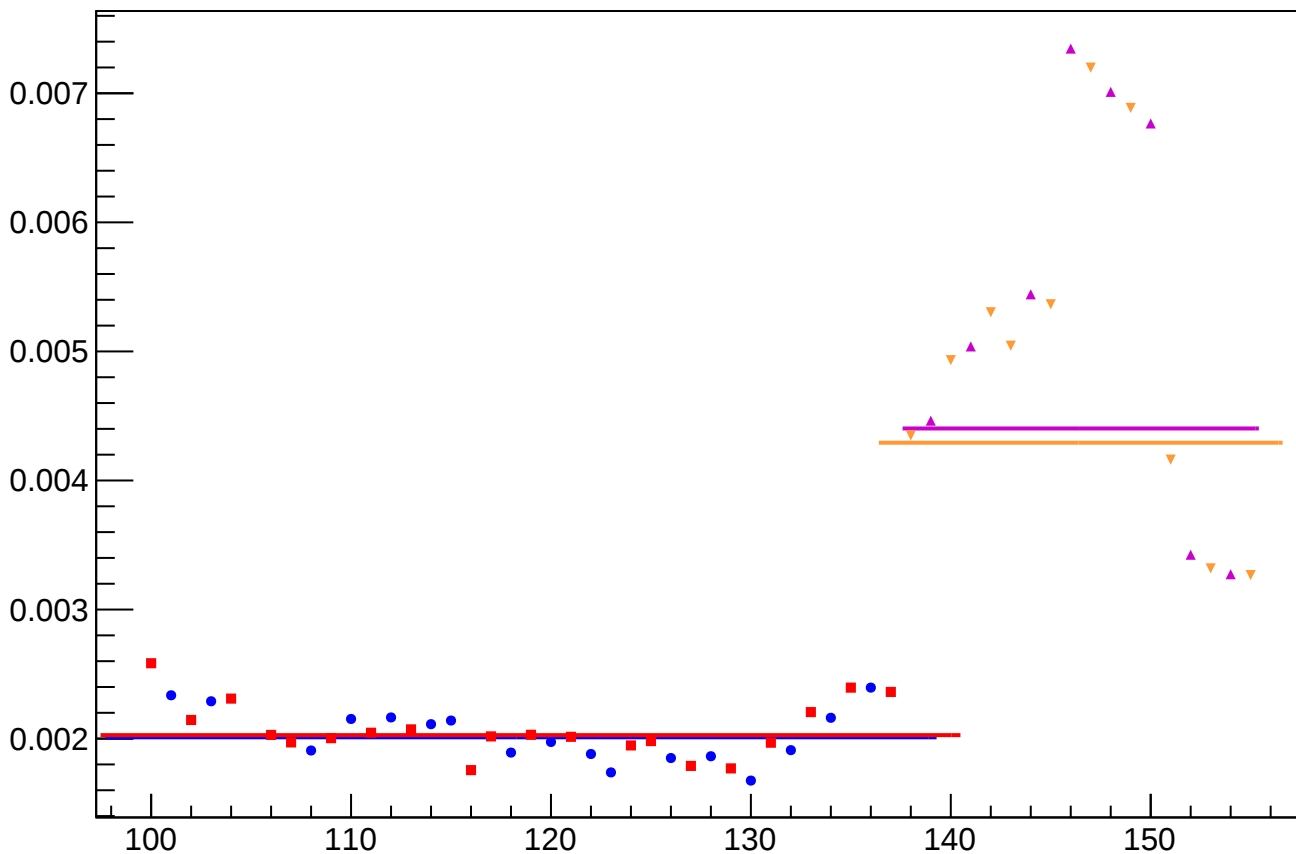
Right Out: 1.441+/-0.000 χ^2/NDF : 174346888744.4/19

1.508+/-0.000 χ^2/NDF : 654481507718.9/18

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, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 152530.4/16

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 801984.0/9

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 103927.8/19

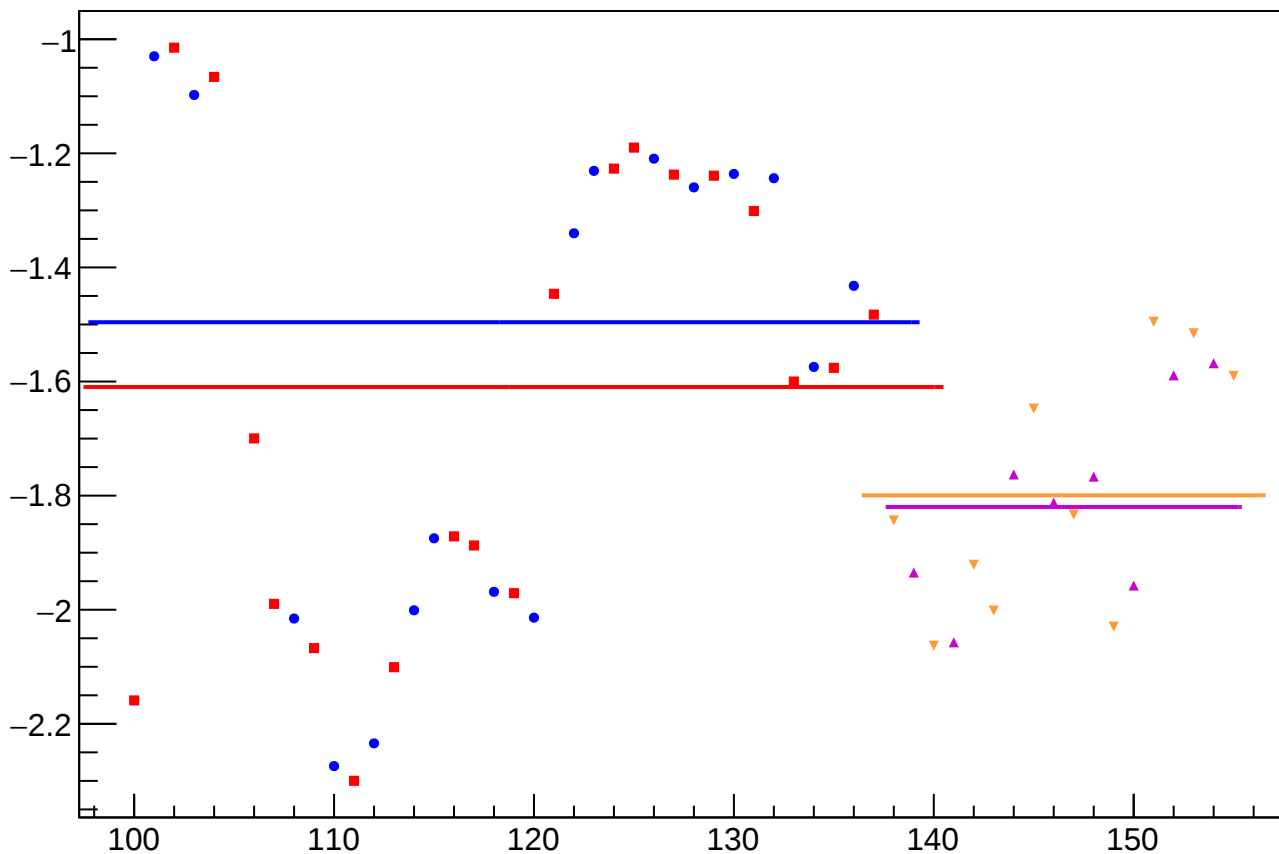
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF: 945704.5/7

0.002 $\pm$ 0.000 χ^2 /NDF: 3841343.5/26

0.002 $\pm$ 0.000 χ^2 /NDF: 7561638.9/54

0.002 $\pm$ 0.000 χ^2 /NDF: 3716793.1/27

yield_bpm0l01X_mean vs Slug, Sign Corrected



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

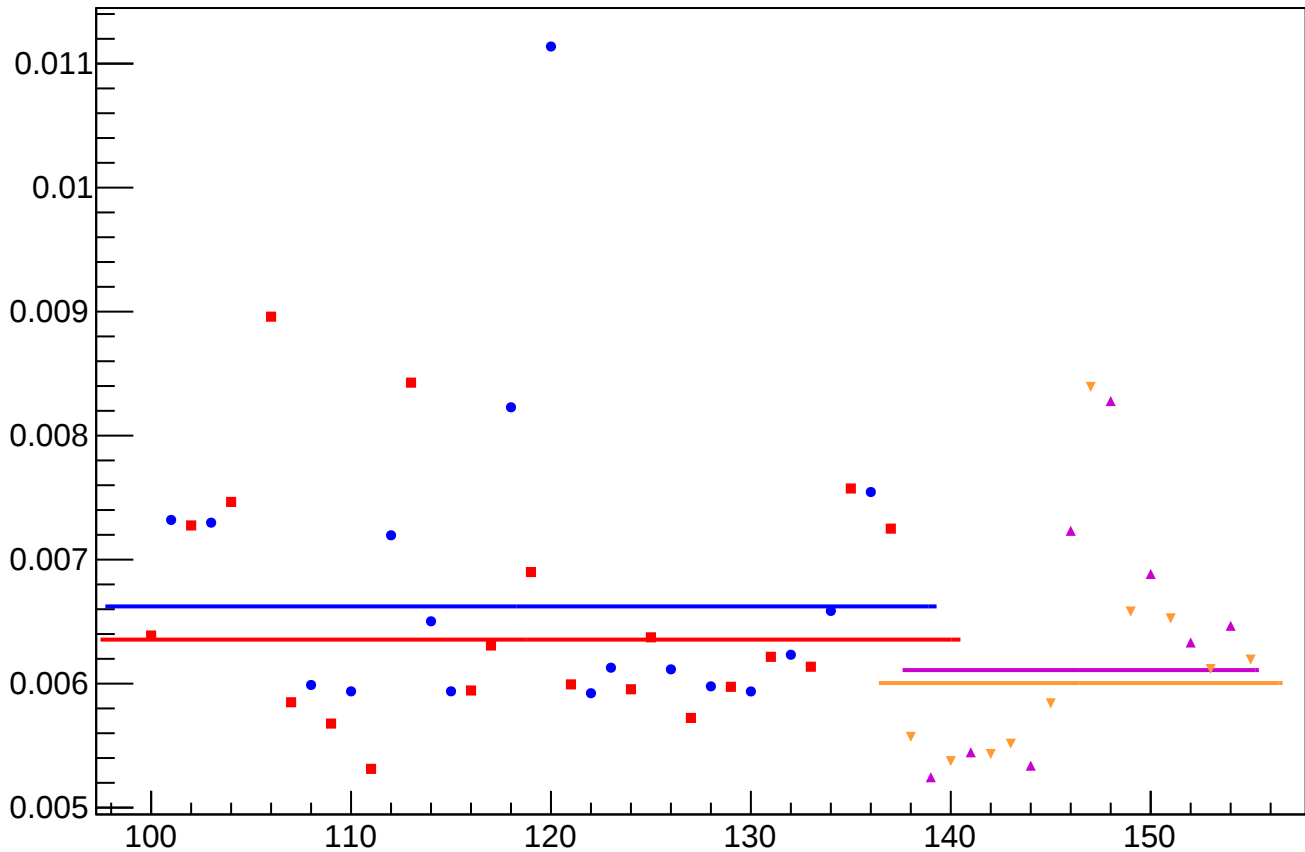
Left In: -1.820+/-0.000 χ^2/NDF : 4585191142.8/7

-1.672+/-0.000 χ^2/NDF : 38452705883.5/26

-1.692+/-0.000 χ^2/NDF : 74828438595.0/26

-1.713+/-0.000 χ^2/NDF : 36092470421.9/27

yield_bpm0l01X_rms vs Slug, Sign Corrected



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

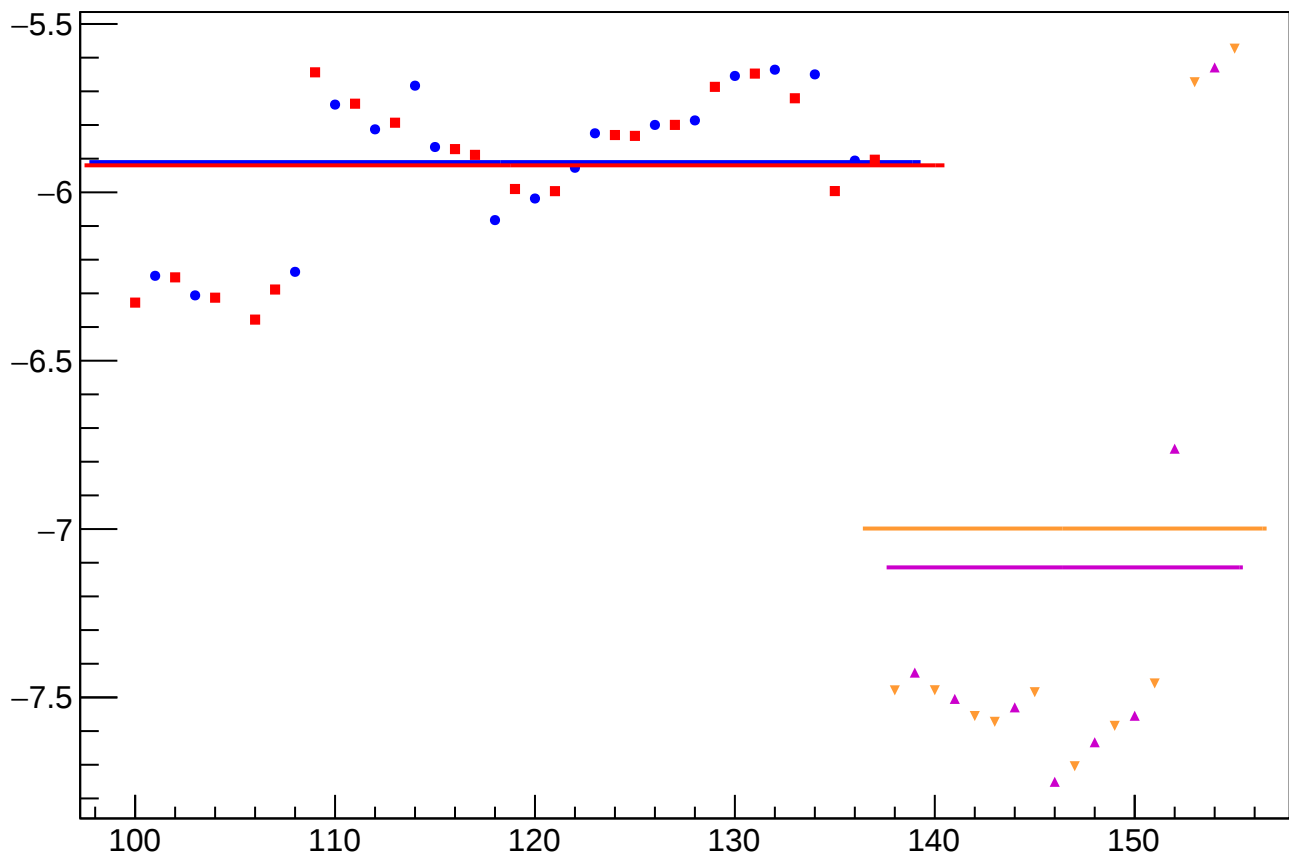
Left In: 0.006+/-0.000 χ^2/NDF :253481.2/7

0.006+/-0.000 χ^2/NDF : 480305.3/26

0.006+/-0.000 χ^2/NDF : 971765.0/54

0.006+/-0.000 χ^2/NDF : 491140.3/27

yield_bpm0l01Y_mean vs Slug, Sign Corrected



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

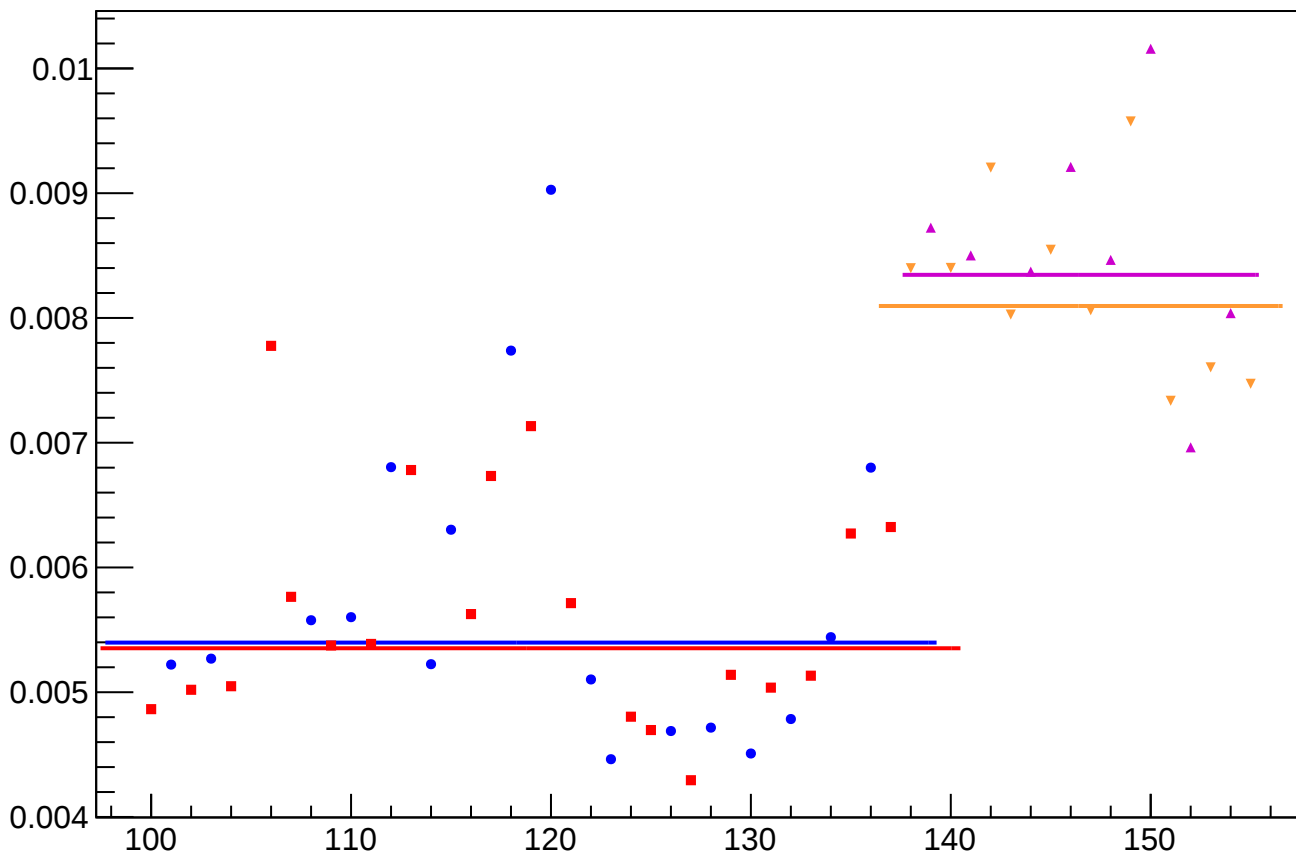
Left In: -7.114+/-0.000 χ^2/NDF : 39886778478.6/7

-6.255+/-0.000 χ^2/NDF : 157468272419.6/26

-6.245+/-0.000 χ^2/NDF : 294127667810.5

-6.234+/-0.000 χ^2/NDF : 136591451907.3/27

yield_bpm0l01Y_rms vs Slug, Sign Corrected



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

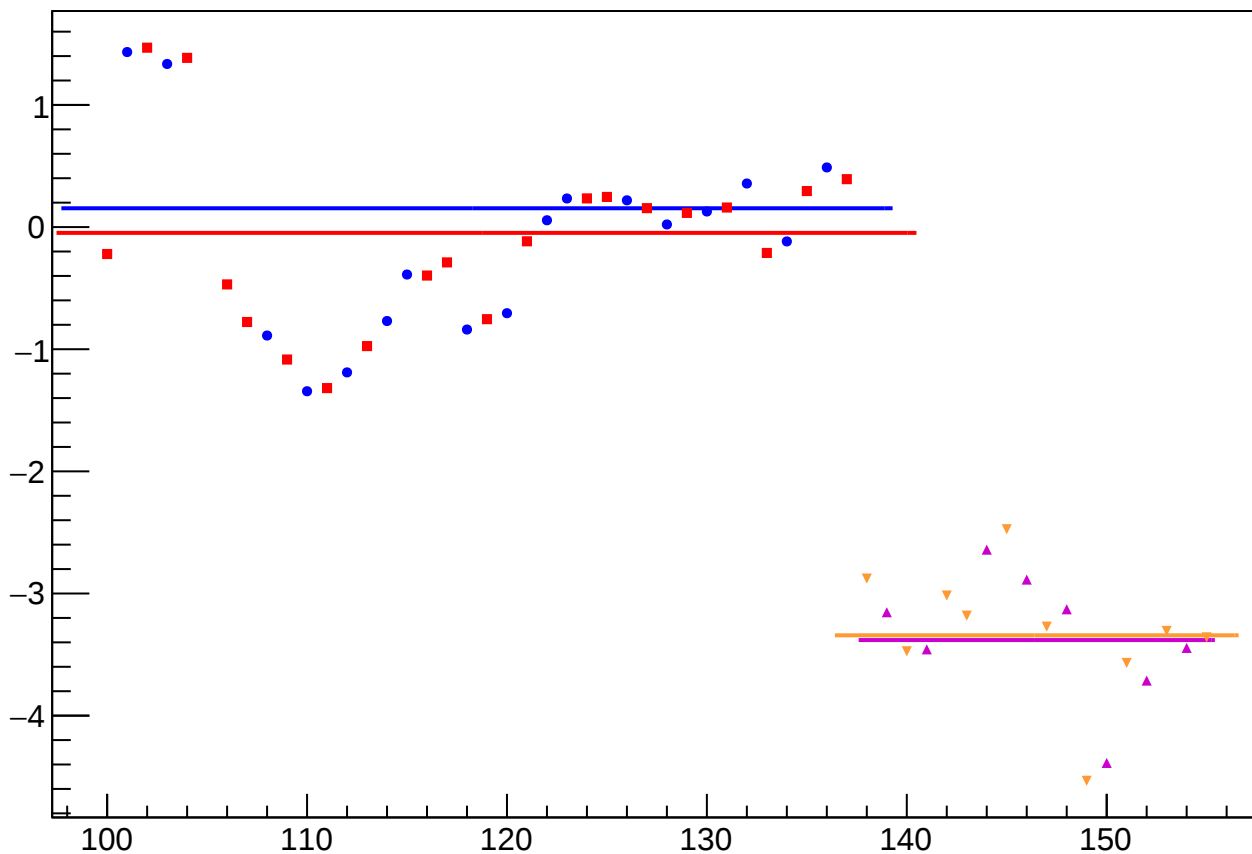
Left In: 0.008+/-0.000 χ^2/NDF : 121227.3/7

0.006+/-0.000 χ^2/NDF : 1387907.9/26

0.006+/-0.000 χ^2/NDF : 2820251.6/54

0.006+/-0.000 χ^2/NDF : 1428493.4/27

yield_bpm0l02X_mean vs Slug, Sign Corrected



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

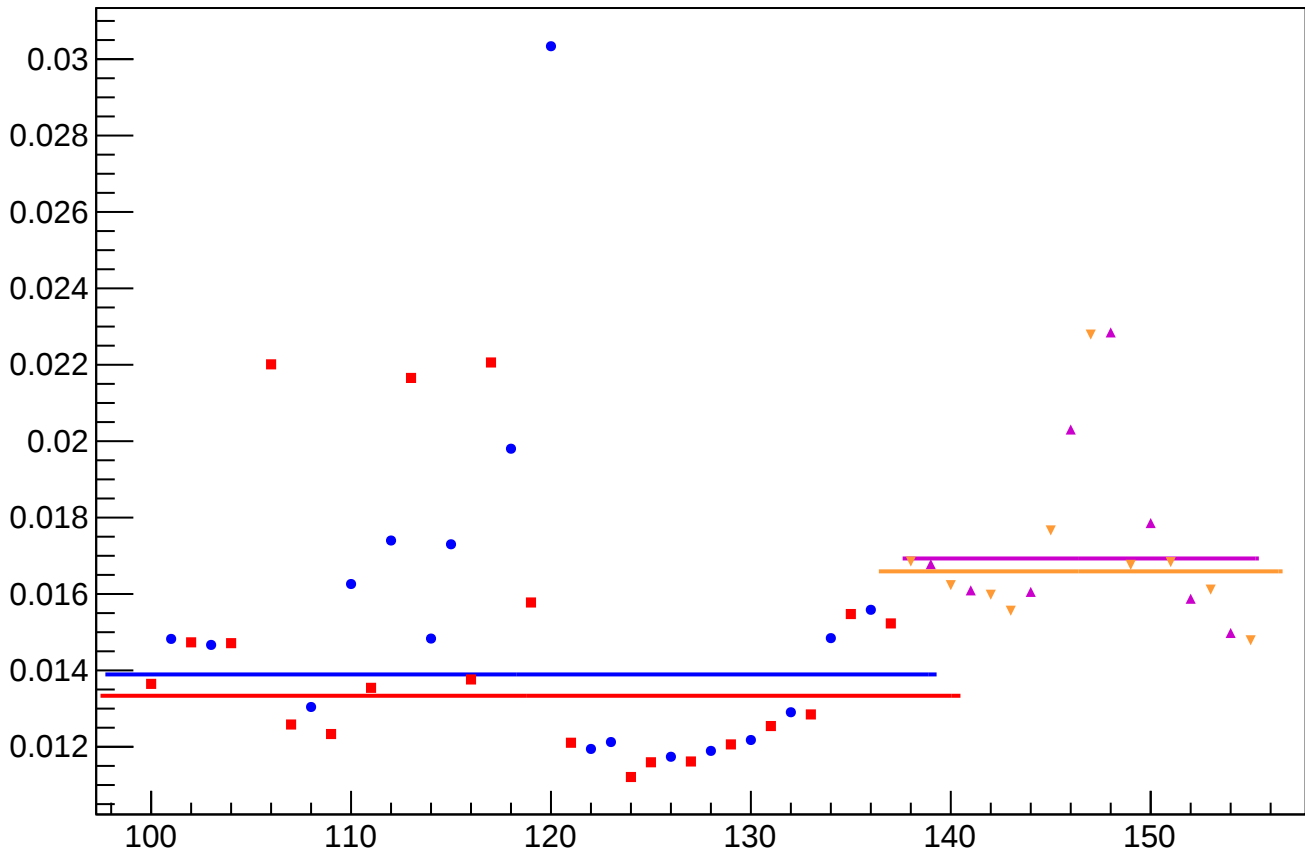
Right Out: -0.047 $\pm$ 0.000 χ^2 /NDF: 21216074494.2/19

-1.344 $\pm$ 0.000 χ^2 /NDF: 368245732066.0

Left In: -3.381 $\pm$ 0.000 χ^2 /NDF: 5302159747.2/7

-1.270 $\pm$ 0.000 χ^2 /NDF: 175296390866.5/27

yield_bpm0l02X_rms vs Slug, Sign Corrected



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

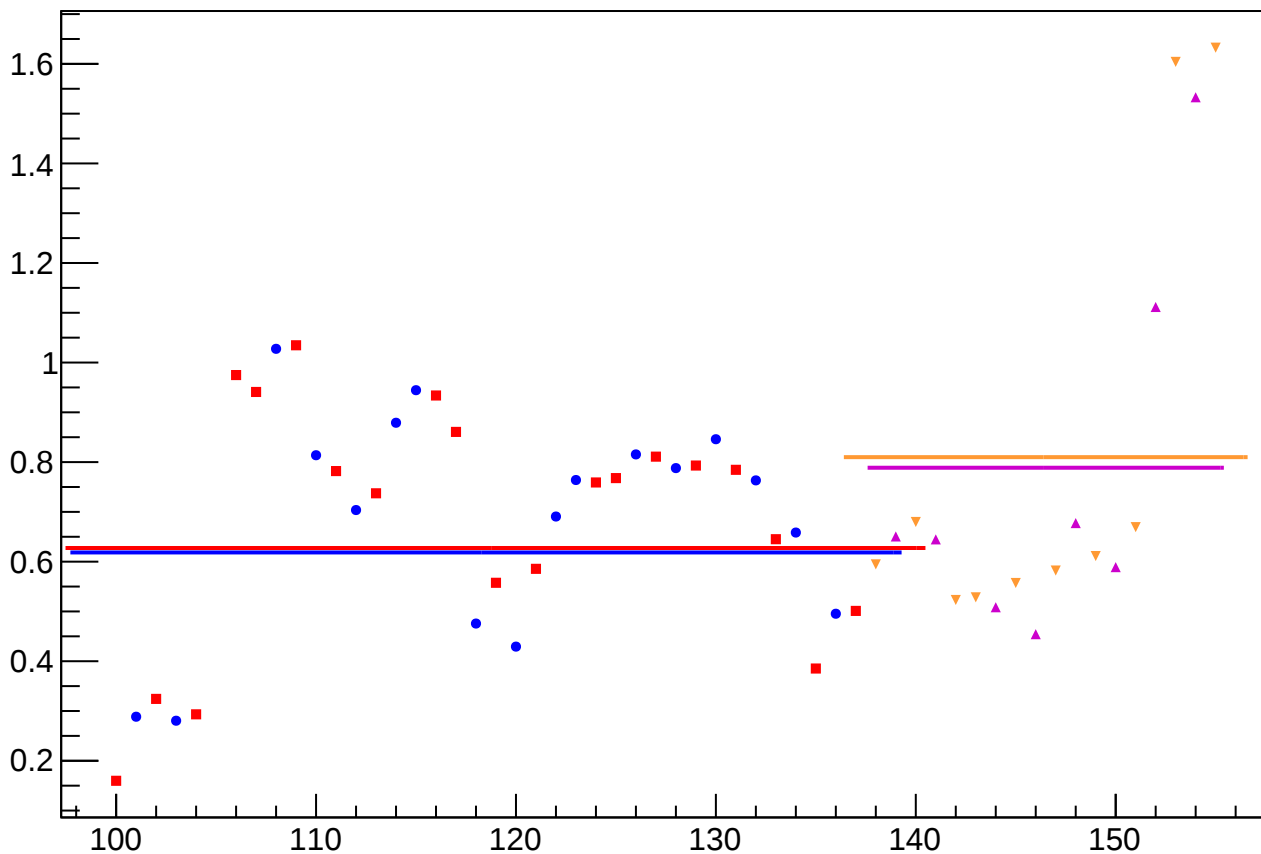
Left In: 0.017+/-0.000 χ^2/NDF : 184773.1/7

0.015+/-0.000 χ^2/NDF : 744126.5/26

0.015+/-0.000 χ^2/NDF : 1589872.1/54

0.015+/-0.000 χ^2/NDF : 834002.4/27

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.619+/-0.000 χ^2/NDF : 5416939288.1/16

Left Out: 0.810+/-0.000 χ^2/NDF : 20237846077.6/9

Right Out: 0.627+/-0.000 χ^2/NDF : 6345684740.0/19

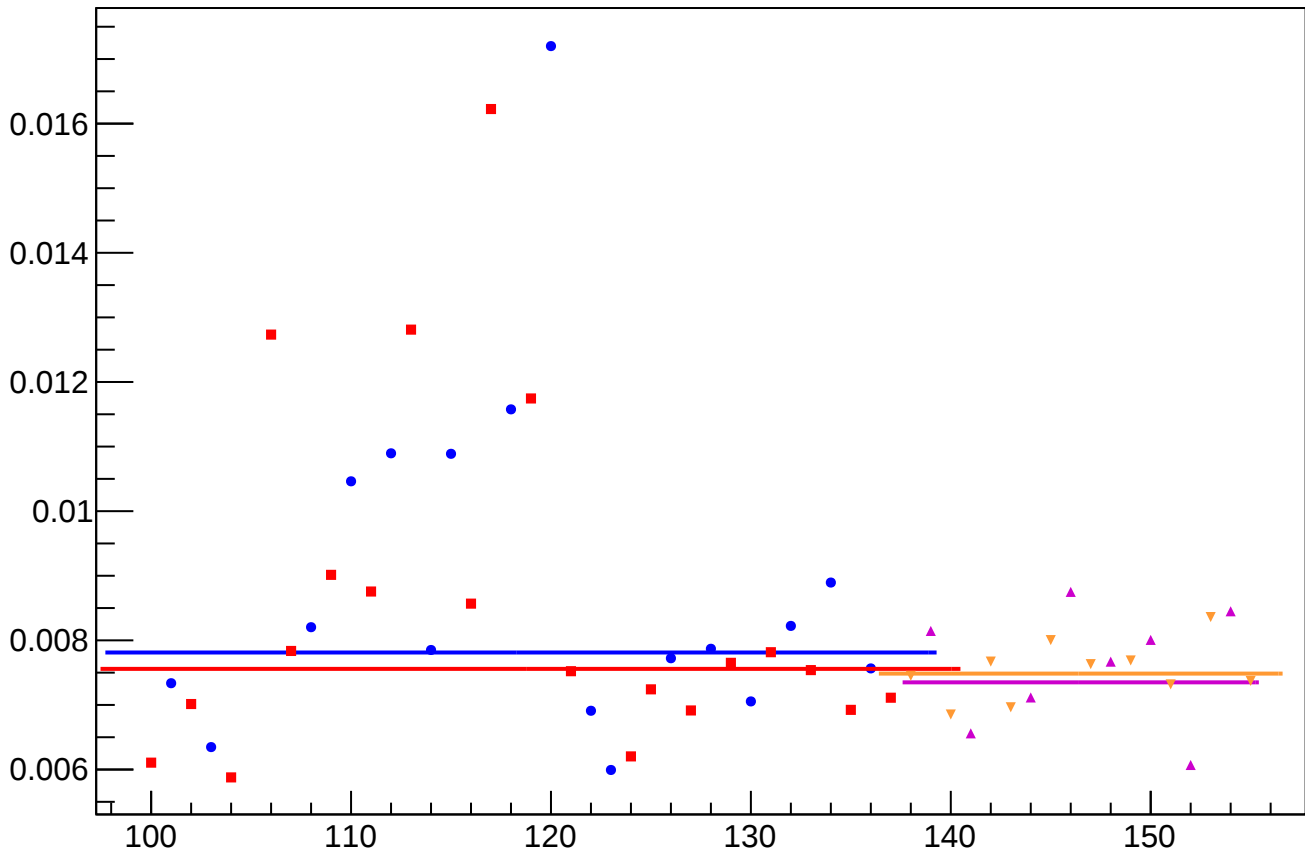
Left In: 0.789+/-0.000 χ^2/NDF : 11973585422.5/7

0.725+/-0.000 χ^2/NDF : 27590615024.3/26

0.716+/-0.000 χ^2/NDF : 47359259522.1/5

0.708+/-0.000 χ^2/NDF : 19740483562.9/27

yield_bpm0l02Y_rms vs Slug, Sign Corrected



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

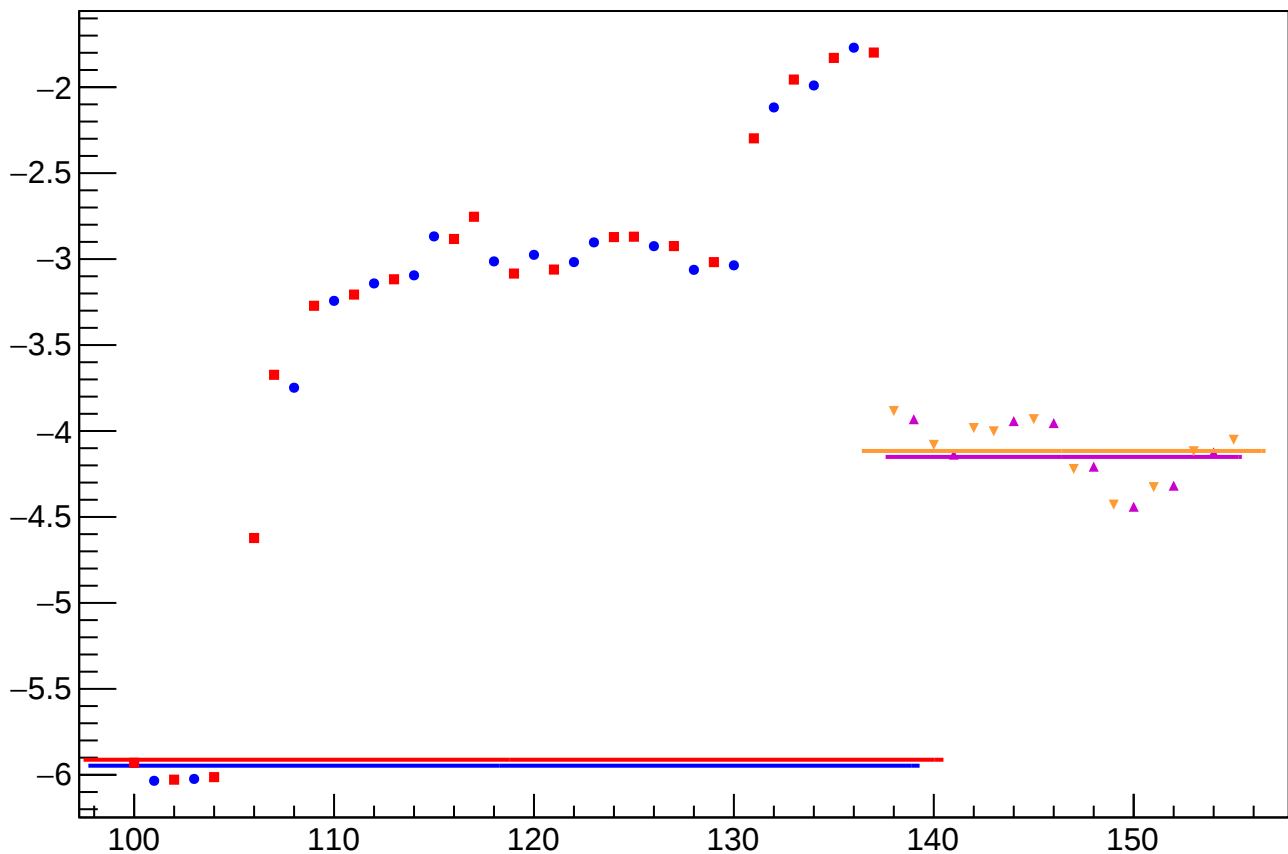
Left In: 0.007+/-0.000 χ^2/NDF : 180953.2/7

0.008+/-0.000 χ^2/NDF : 523116.8/26

0.008+/-0.000 χ^2/NDF : 1178860.8/54

0.007+/-0.000 χ^2/NDF : 648946.7/27

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.947+/-0.000 χ^2/NDF : 13165963559.5/16

Left Out: -4.116+/-0.000 χ^2/NDF : 29422563.9/9

Right Out: -5.912+/-0.000 χ^2/NDF : 14648055548.9/19

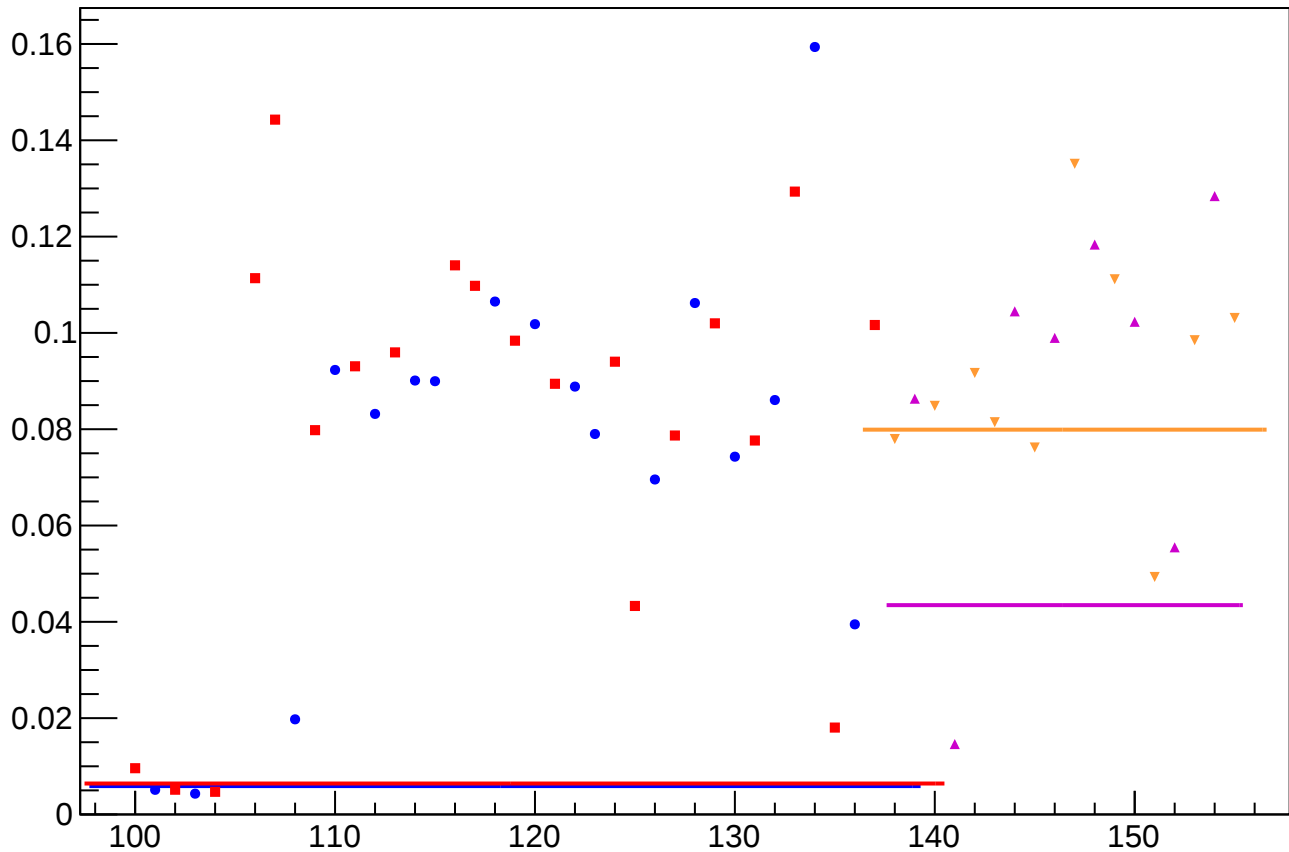
Left In: -4.151+/-0.000 χ^2/NDF : 20957985.2/7

-5.911+/-0.000 χ^2/NDF : 16294234621.8/26

-5.883+/-0.000 χ^2/NDF : 35392049271.6/3

-5.848+/-0.000 χ^2/NDF : 19009910729.4/27

yield_bpm0l03X_rms vs Slug, Sign Corrected



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

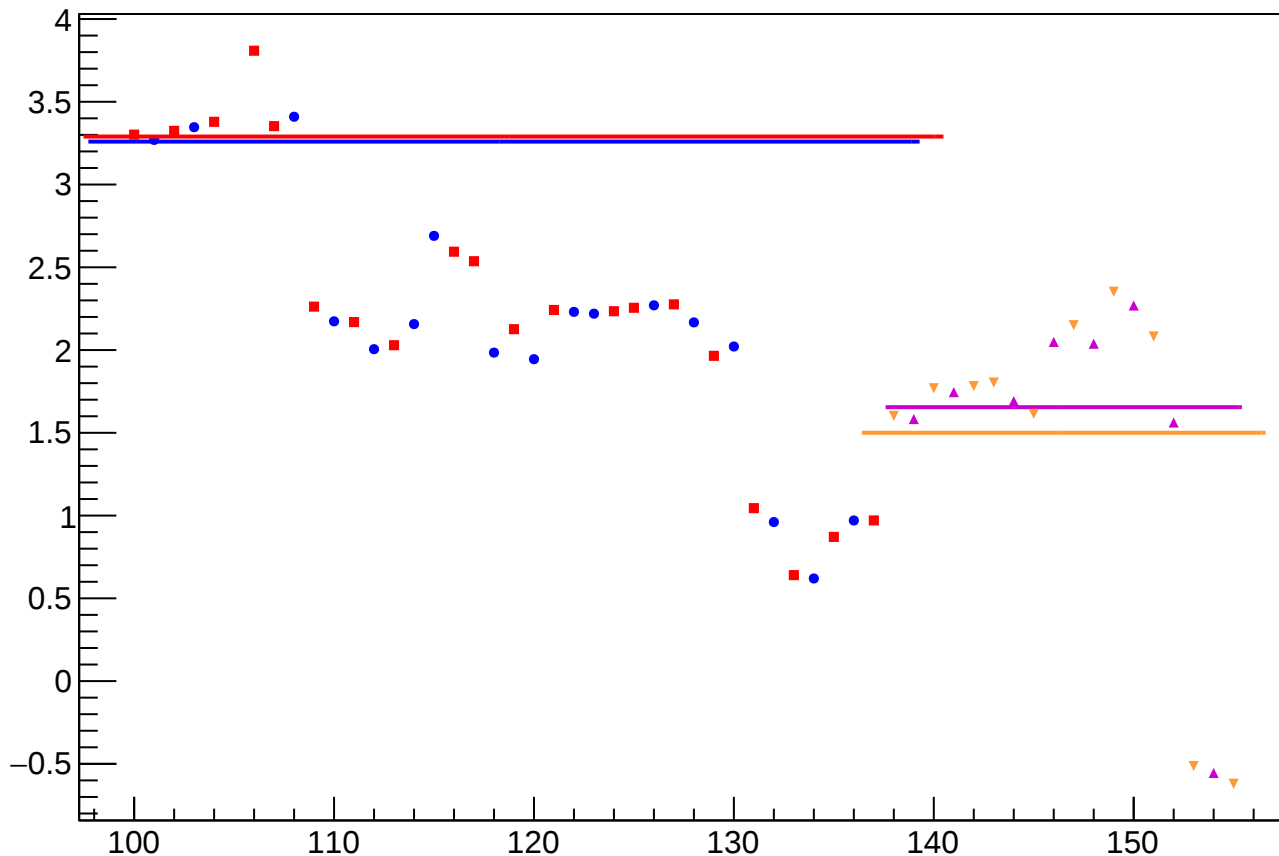
Left In: 0.043 ± 0.000 χ^2/NDF : 4396719.2/7

0.007 ± 0.000 χ^2/NDF : 18993018.6/26

0.008 ± 0.000 χ^2/NDF : 35796943.4/54

0.008 ± 0.000 χ^2/NDF : 16795231.5/27

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.259 $\pm$ 0.000 χ^2 /NDF: 2921931976.8/16

Left Out: 1.500 $\pm$ 0.000 χ^2 /NDF: 725729137.1/9

Right Out: 3.290 $\pm$ 0.000 χ^2 /NDF: 3263300926.6/19

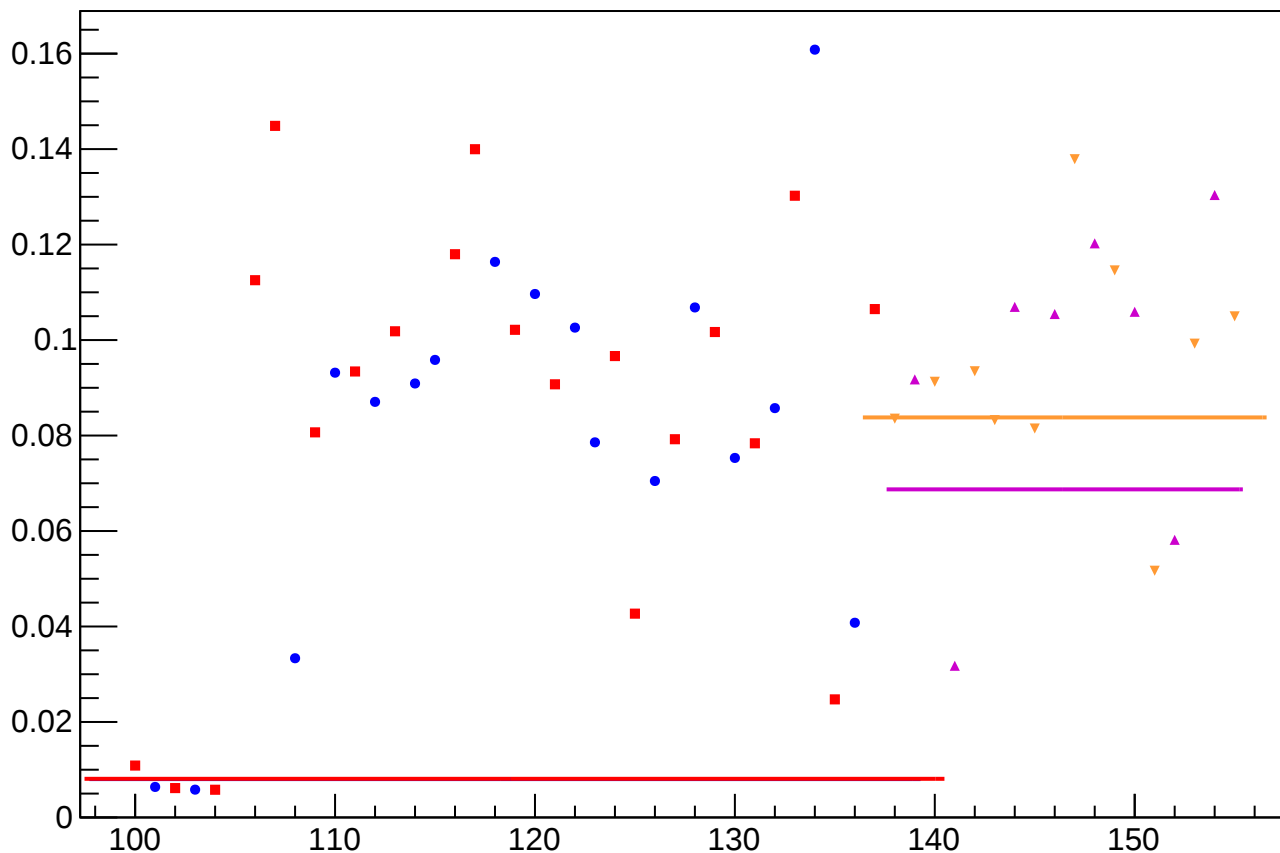
Left In: 1.655 $\pm$ 0.000 χ^2 /NDF: 251436739.3/7

3.208 $\pm$ 0.000 χ^2 /NDF: 6239151912.1/26

3.223 $\pm$ 0.000 χ^2 /NDF: 11984873998.6/5

3.239 $\pm$ 0.000 χ^2 /NDF: 5732550959.2/27

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7742048.1/16

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF: 860552.3/9

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8375005.0/19

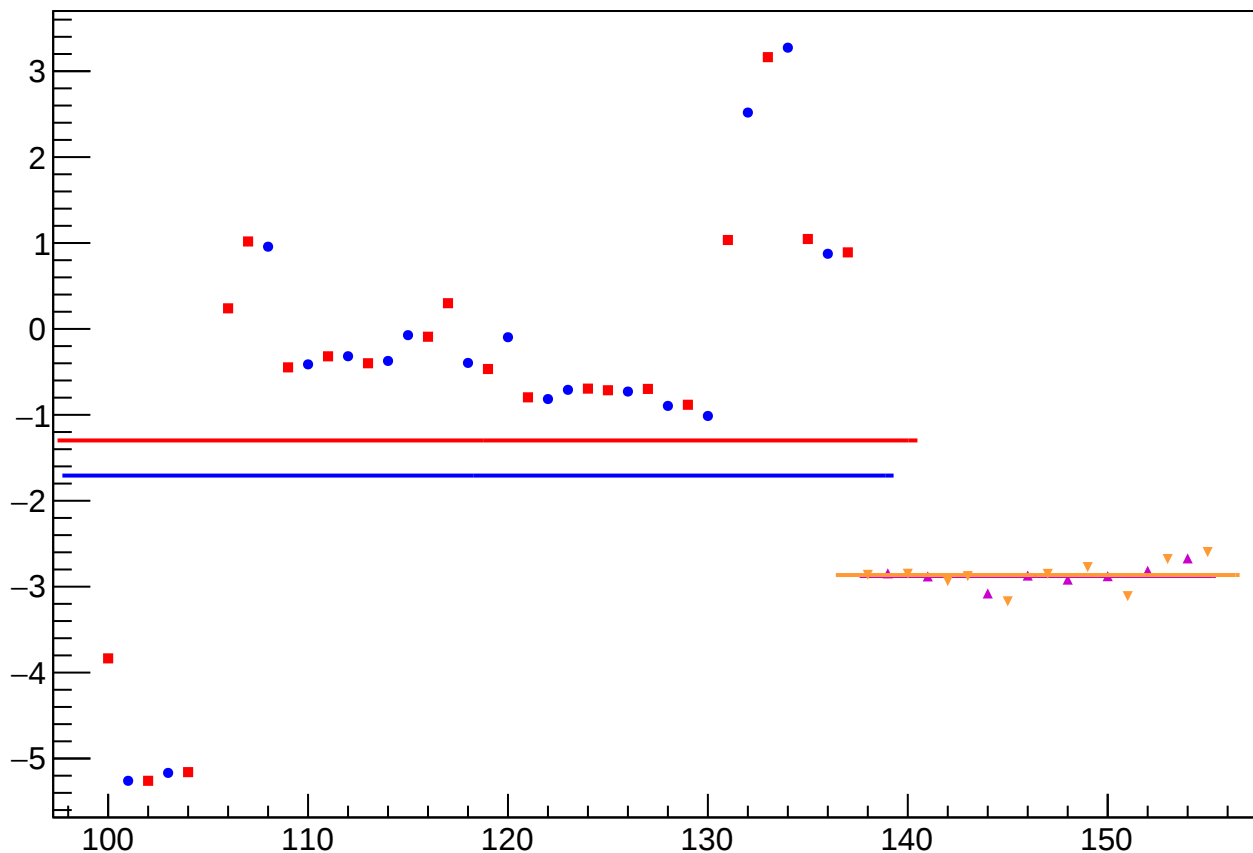
Left In: 0.069 $\pm$ 0.000 χ^2 /NDF: 2102610.2/7

0.010 $\pm$ 0.000 χ^2 /NDF: 18214626.0/26

0.010 $\pm$ 0.000 χ^2 /NDF: 34793267.4/54

0.010 $\pm$ 0.000 χ^2 /NDF: 16576836.4/27

yield_bpm0l04X_mean vs Slug, Sign Corrected



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

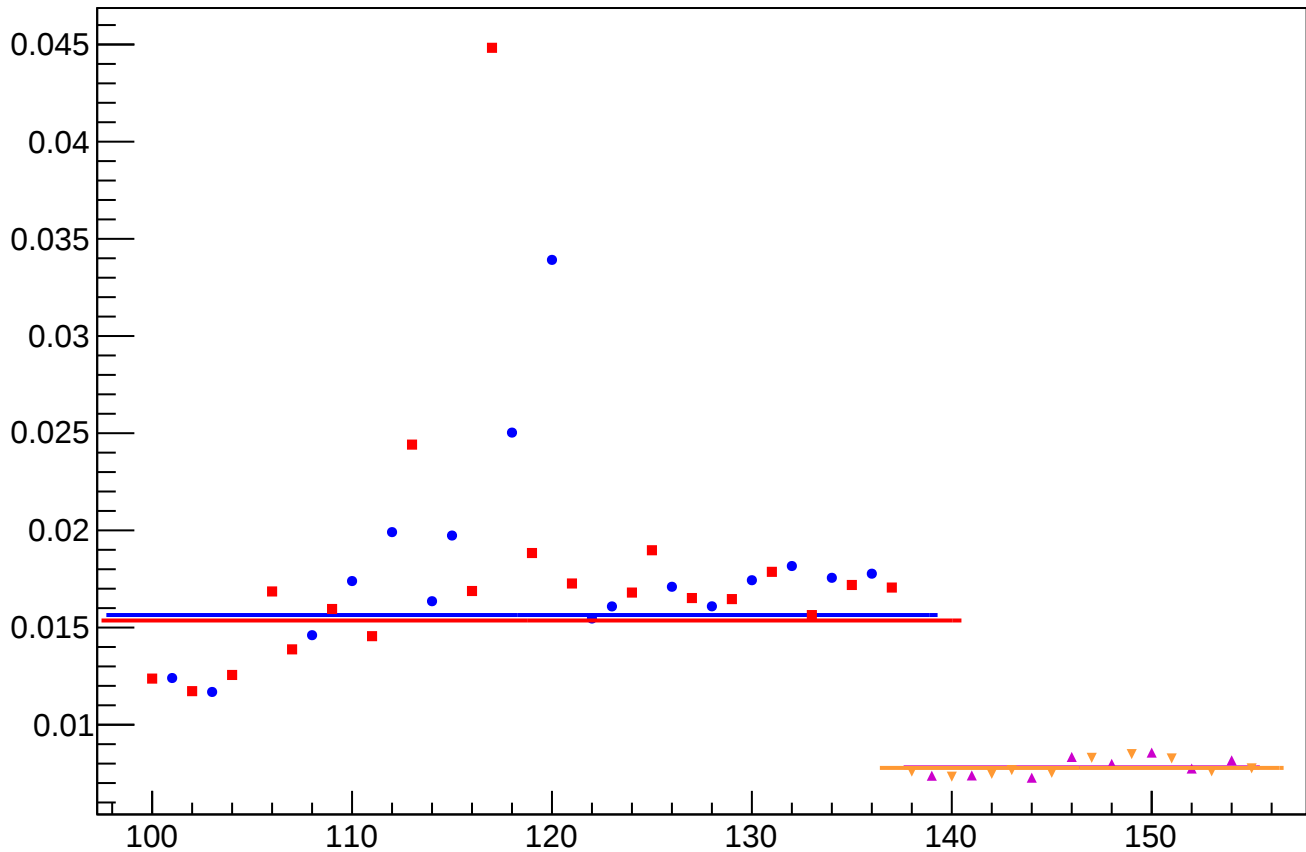
Right Out: -1.298+/-0.000 χ^2/NDF : 178085926993.4/19

-2.616+/-0.000 χ^2/NDF : 427617502669.3

-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, Sign Corrected



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

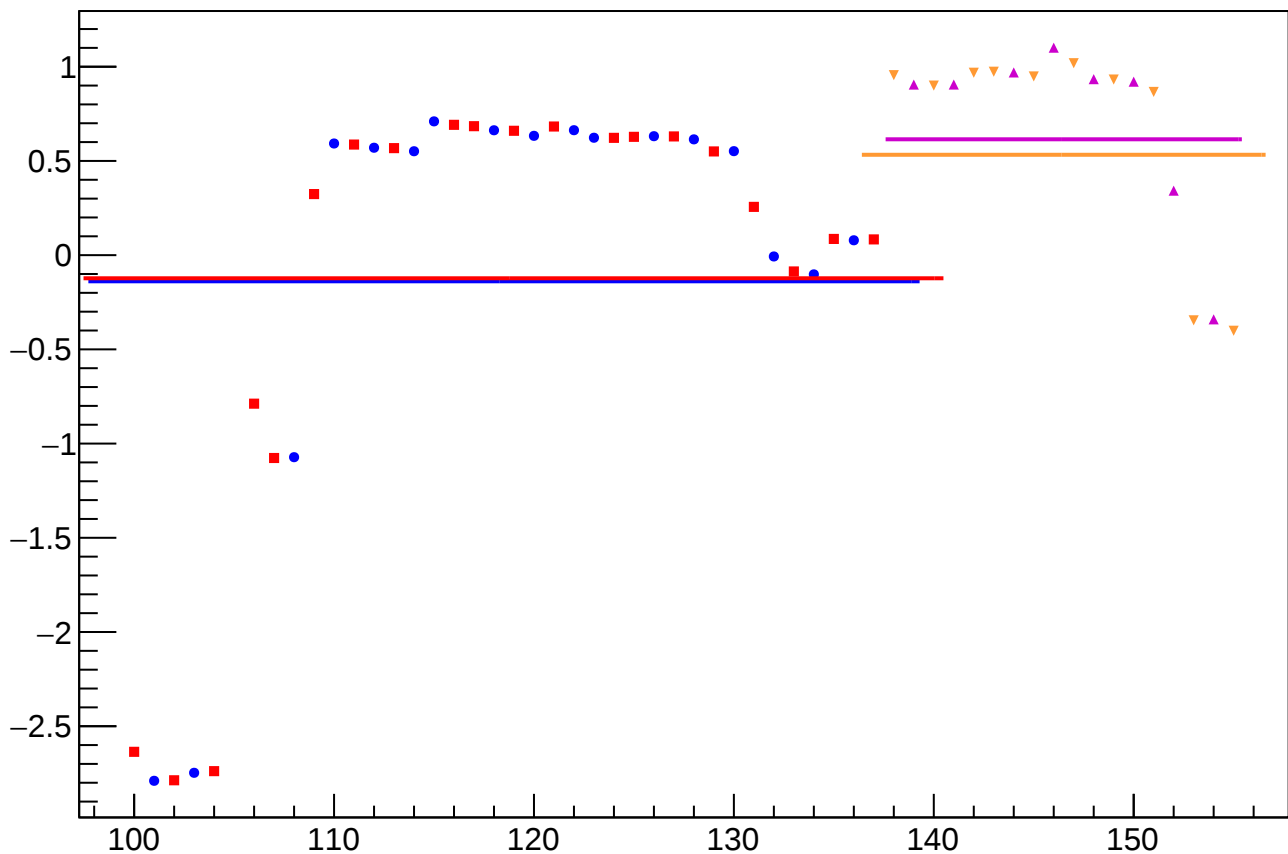
Left In: 0.008+/-0.000 χ^2/NDF : 41888.8/7

0.009+/-0.000 χ^2/NDF : 2978390.1/26

0.009+/-0.000 χ^2/NDF : 5809915.3/54

0.009+/-0.000 χ^2/NDF : 2820838.7/27

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -0.139 $\pm$ 0.000 χ^2/NDF : 715049983856.2/16

Left Out: 0.533 $\pm$ 0.000 χ^2/NDF : 57903434824.7/9

0.018 $\pm$ 0.000 χ^2/NDF : 826751174868.9/26

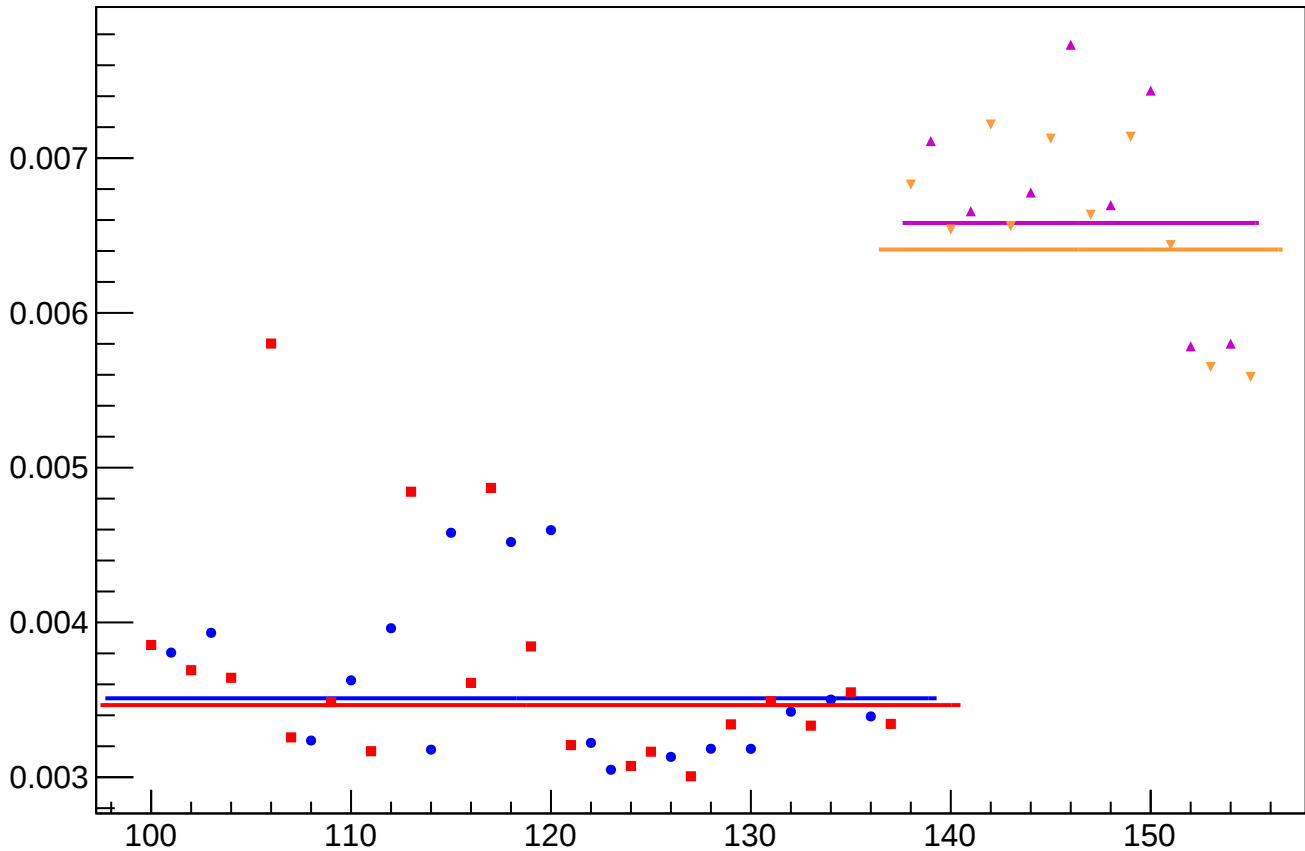
Right Out: -0.123 $\pm$ 0.000 χ^2/NDF : 762580598699.5/19

0.018 $\pm$ 0.000 χ^2/NDF : 1681296174889.9/26

0.018 $\pm$ 0.000 χ^2/NDF : 854544824288.2/27

Left In: 0.615 $\pm$ 0.000 χ^2/NDF : 33459532867.3/7

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 171337.9/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:104933.1/9

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 222524.1/19

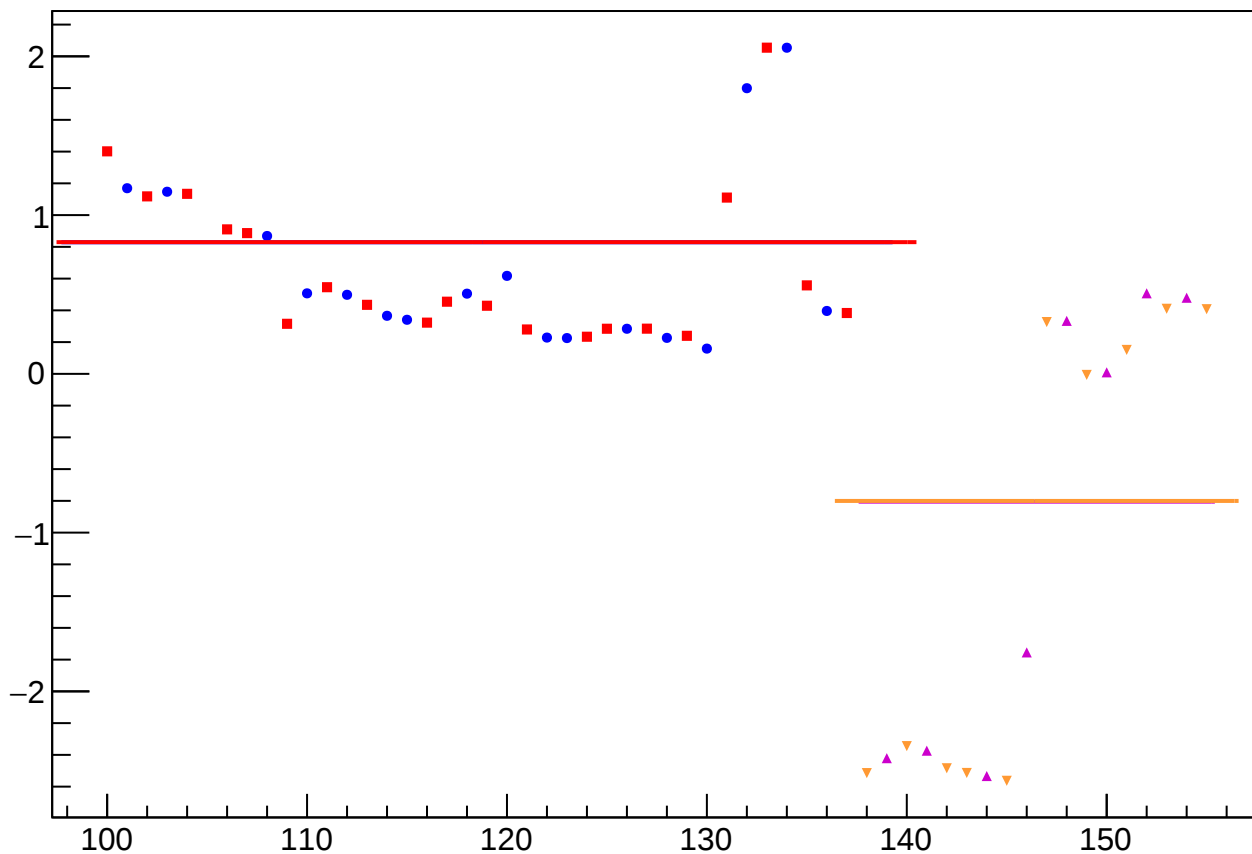
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:114654.0/7

0.004 $\pm$ 0.000 χ^2 /NDF: 2282771.5/26

0.004 $\pm$ 0.000 χ^2 /NDF: 4717185.7/54

0.004 $\pm$ 0.000 χ^2 /NDF: 2424040.0/27

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.829 $\pm$ 0.000 χ^2 /NDF: 31718573821.2/16

Left Out: -0.800 $\pm$ 0.000 χ^2 /NDF: 338328781302.0/9

Right Out: 0.830 $\pm$ 0.000 χ^2 /NDF: 33349713412.0/19

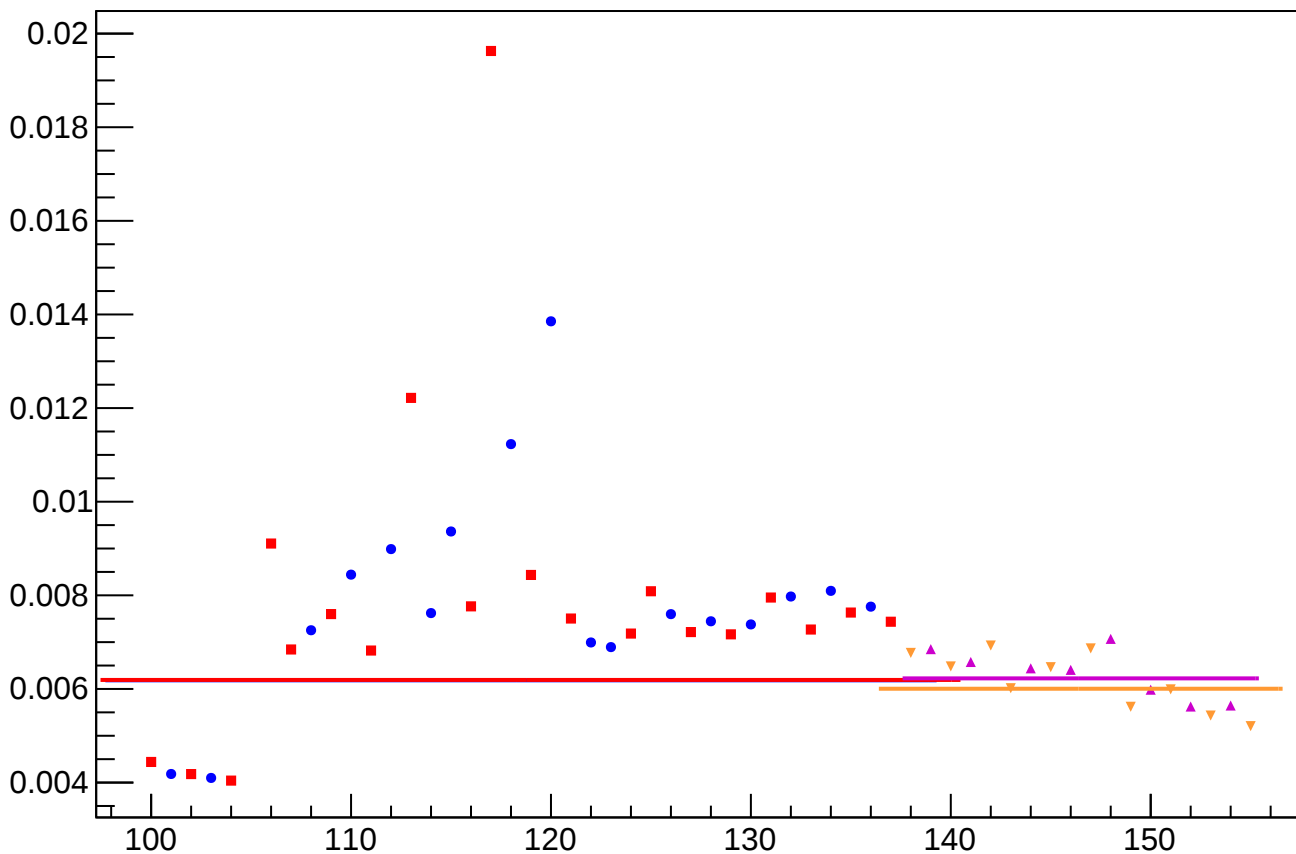
Left In: -0.805 $\pm$ 0.000 χ^2 /NDF: 271180027944.8/7

-0.106 $\pm$ 0.000 χ^2 /NDF: 581661725670.5/26

-0.053 $\pm$ 0.000 χ^2 /NDF: 1093666364373.0/26

0.002 $\pm$ 0.000 χ^2 /NDF: 510177505719.3/27

yield_bpm0l05X_rms vs Slug, Sign Corrected



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

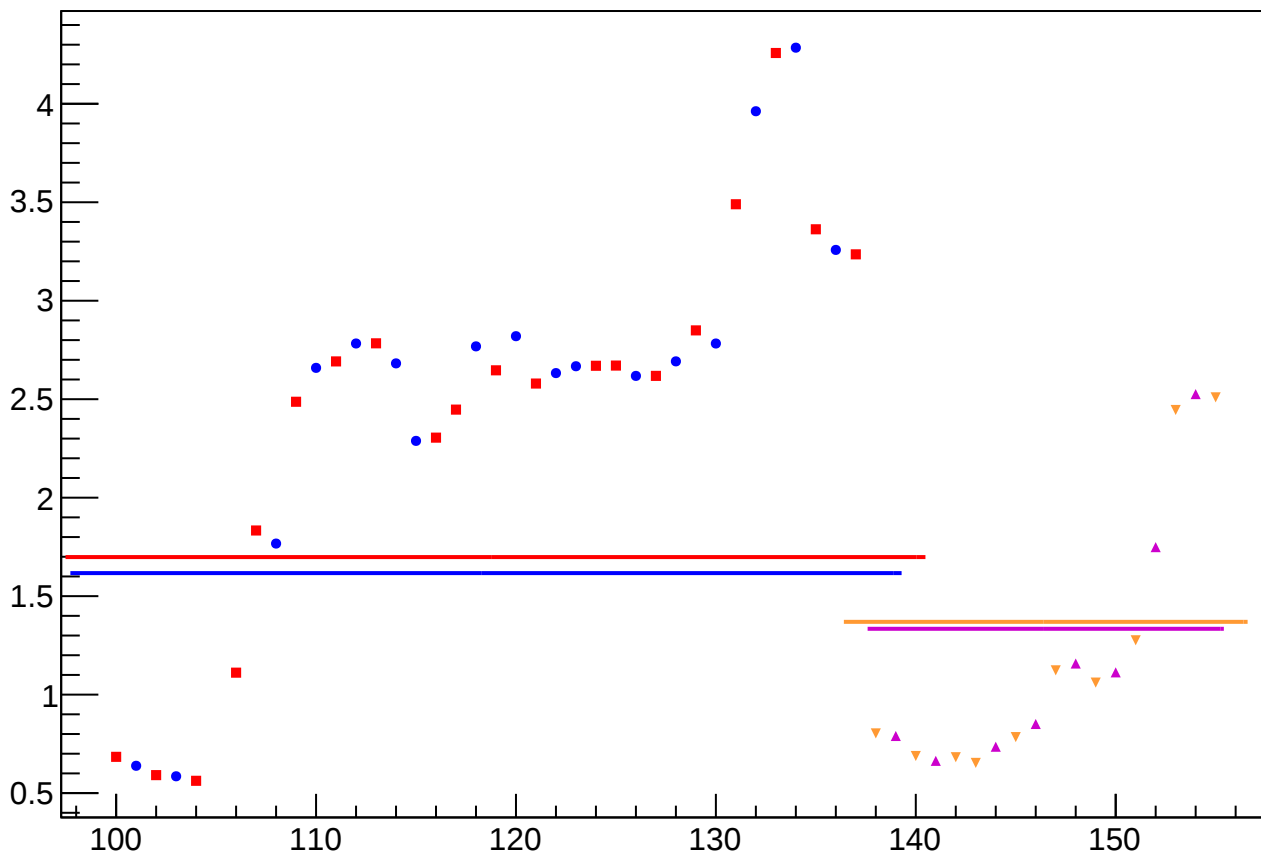
Left In: 0.006+/-0.000 χ^2/NDF :76513.5/7

0.006+/-0.000 χ^2/NDF : 1362590.9/26

0.006+/-0.000 χ^2/NDF : 2507349.0/54

0.006+/-0.000 χ^2/NDF : 1139571.8/27

yield_bpm0l05Y_mean vs Slug, Sign Corrected



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

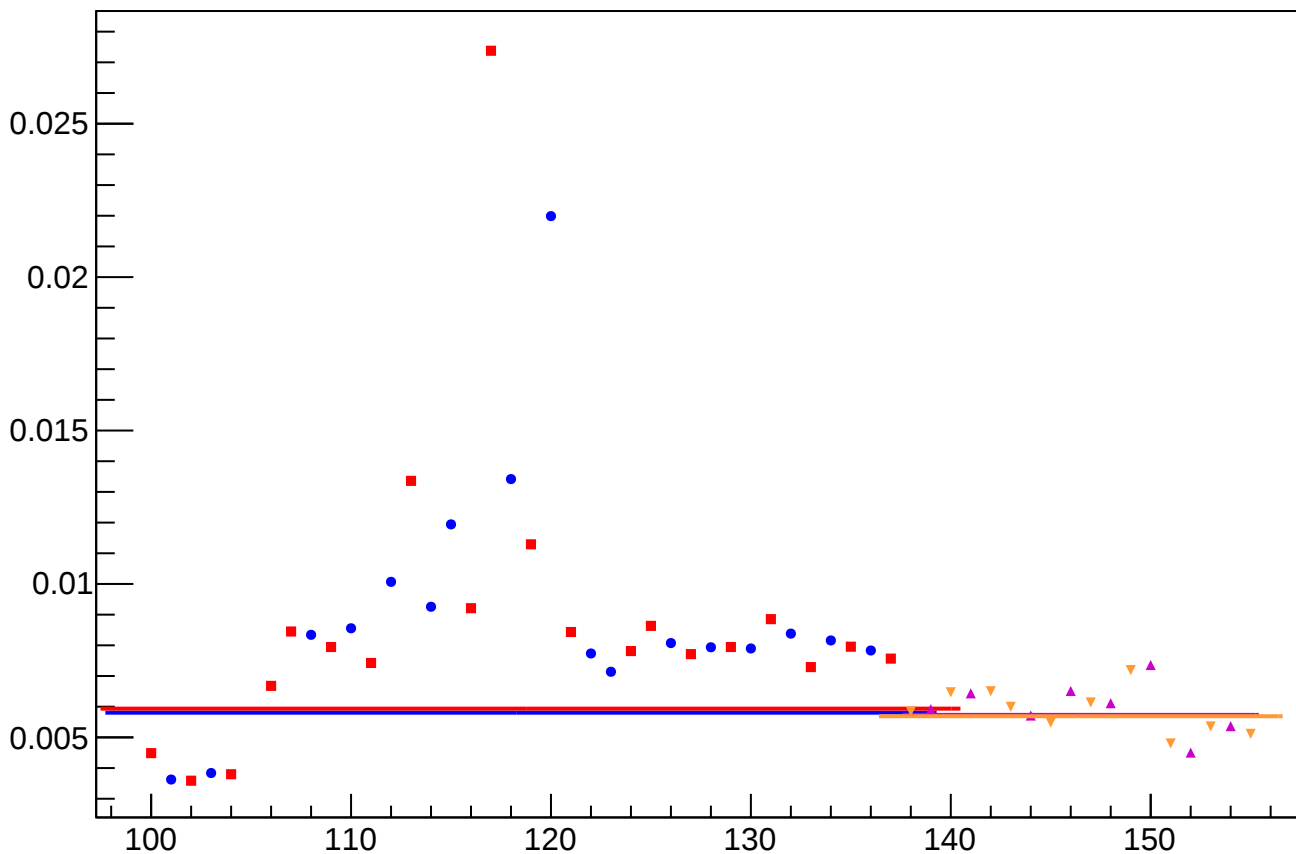
Right Out: 1.698+/-0.000 χ^2/NDF : 227436227264.4/19

1.491+/-0.000 χ^2/NDF : 621290411796.7/7

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, Sign Corrected



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

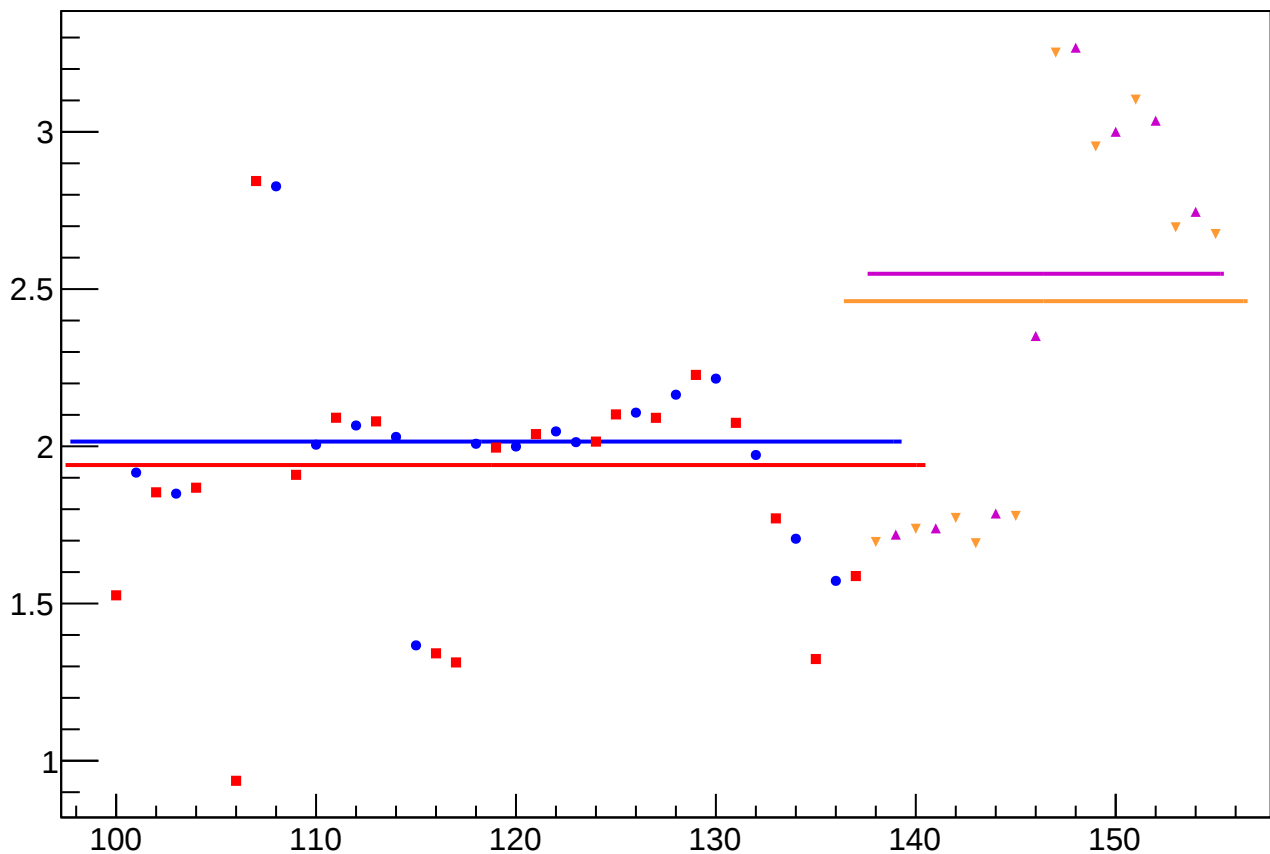
Left In: 0.006+/-0.000 χ^2/NDF : 232005.5/7

0.006+/-0.000 χ^2/NDF : 2089817.6/26

0.006+/-0.000 χ^2/NDF : 4062488.3/54

0.006+/-0.000 χ^2/NDF : 1969950.1/27

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.015 $\pm$ 0.000 χ^2 /NDF: 12228403202.6/16

Left Out: 2.462 $\pm$ 0.000 χ^2 /NDF: 44288882341.7/9

Right Out: 1.940 $\pm$ 0.000 χ^2 /NDF: 21732099424.5/19

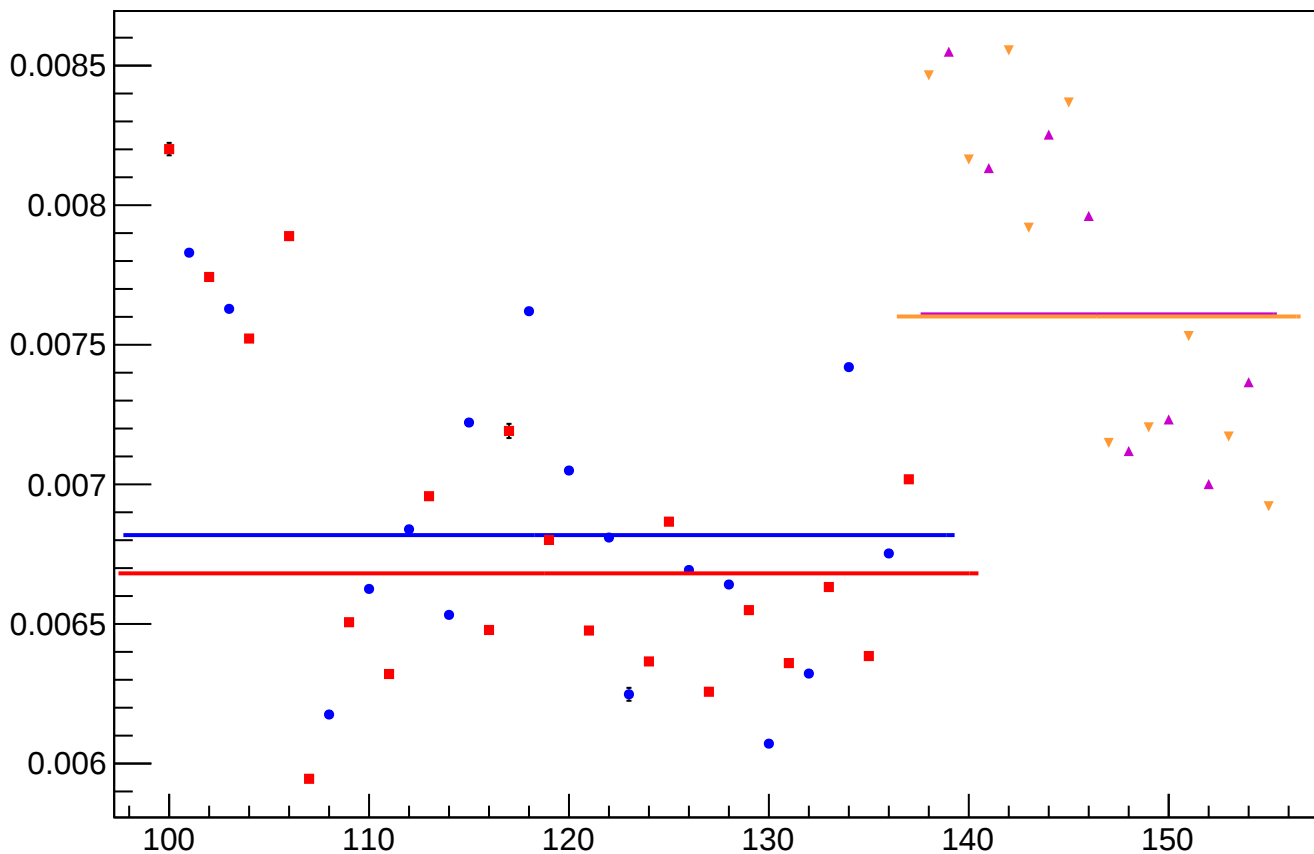
Left In: 2.549 $\pm$ 0.000 χ^2 /NDF: 37239559112.5/7

2.224 $\pm$ 0.000 χ^2 /NDF: 69265505473.1/26

2.208 $\pm$ 0.000 χ^2 /NDF: 151744134193.1/26

2.192 $\pm$ 0.000 χ^2 /NDF: 82345560801.5/27

yield_bpm0l06X_rms vs Slug, Sign Corrected



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

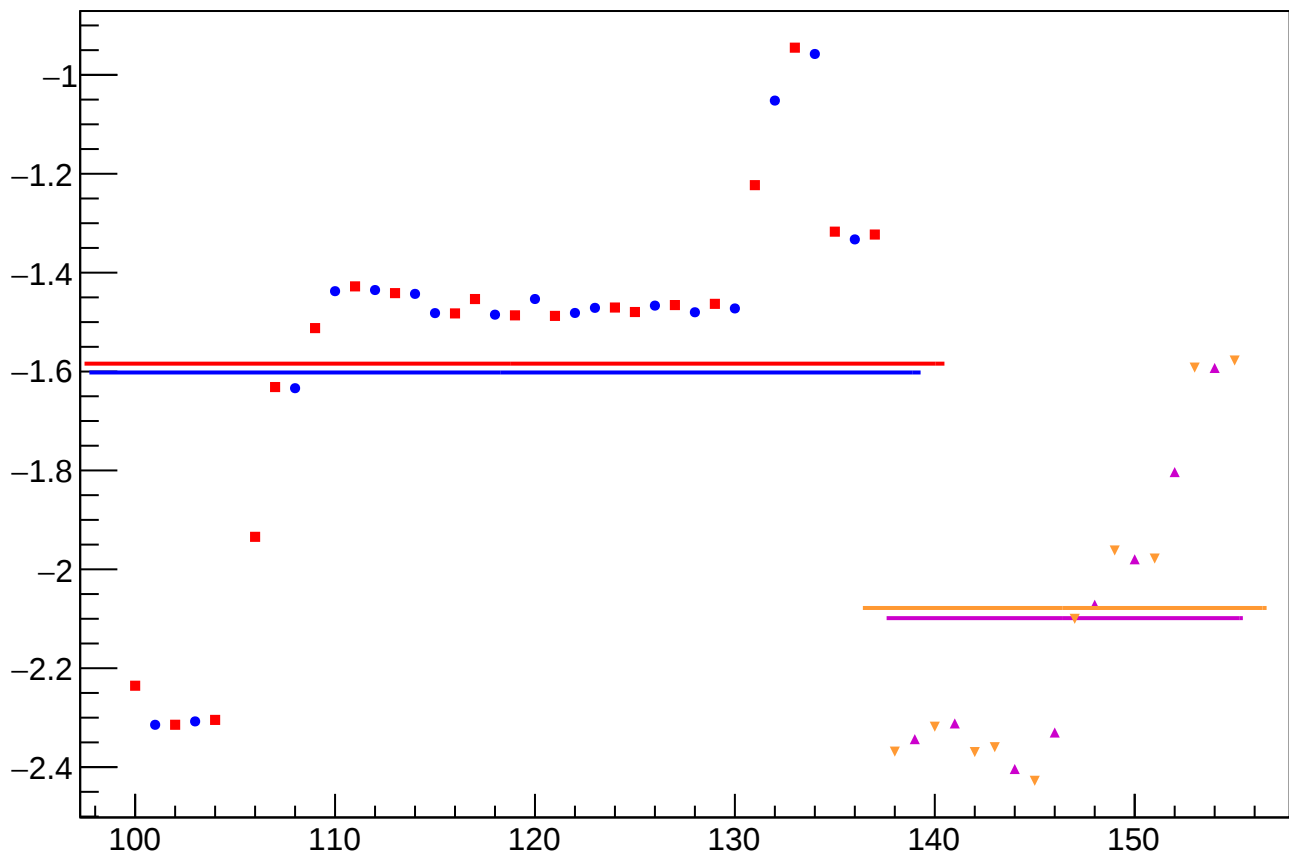
Left In: 0.008+/-0.000 χ^2/NDF : 60957.2/7

0.007+/-0.000 χ^2/NDF : 230721.9/26

0.007+/-0.000 χ^2/NDF : 480205.5/54

0.007+/-0.000 χ^2/NDF : 245771.9/27

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.602+/-0.000 χ^2/NDF : 140200656044.3/16

Left Out: -2.078+/-0.000 χ^2/NDF : 80501353775.8/9

Right Out: -1.584+/-0.000 χ^2/NDF : 143612120137.8/19

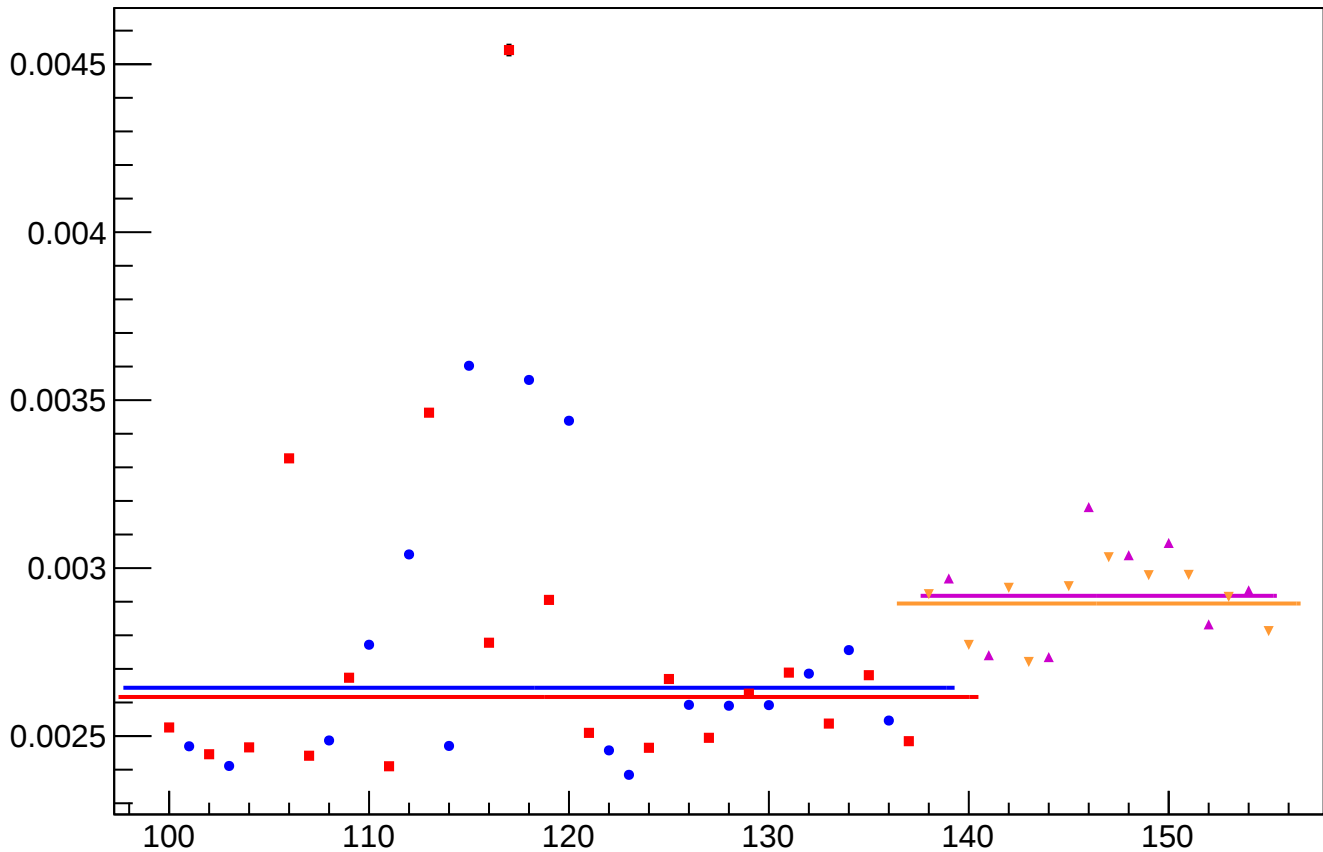
Left In: -2.099+/-0.000 χ^2/NDF : 57157836531.5/7

-1.828+/-0.000 χ^2/NDF : 317427798107.8/26

-1.815+/-0.000 χ^2/NDF : 628433789401.8

-1.801+/-0.000 χ^2/NDF : 310406660014.4/27

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003 $\pm$ 0.000 χ^2/NDF : 151383.5/16

Left Out: 0.003 $\pm$ 0.000 χ^2/NDF :15377.0/9

Right Out: 0.003 $\pm$ 0.000 χ^2/NDF : 119852.1/19

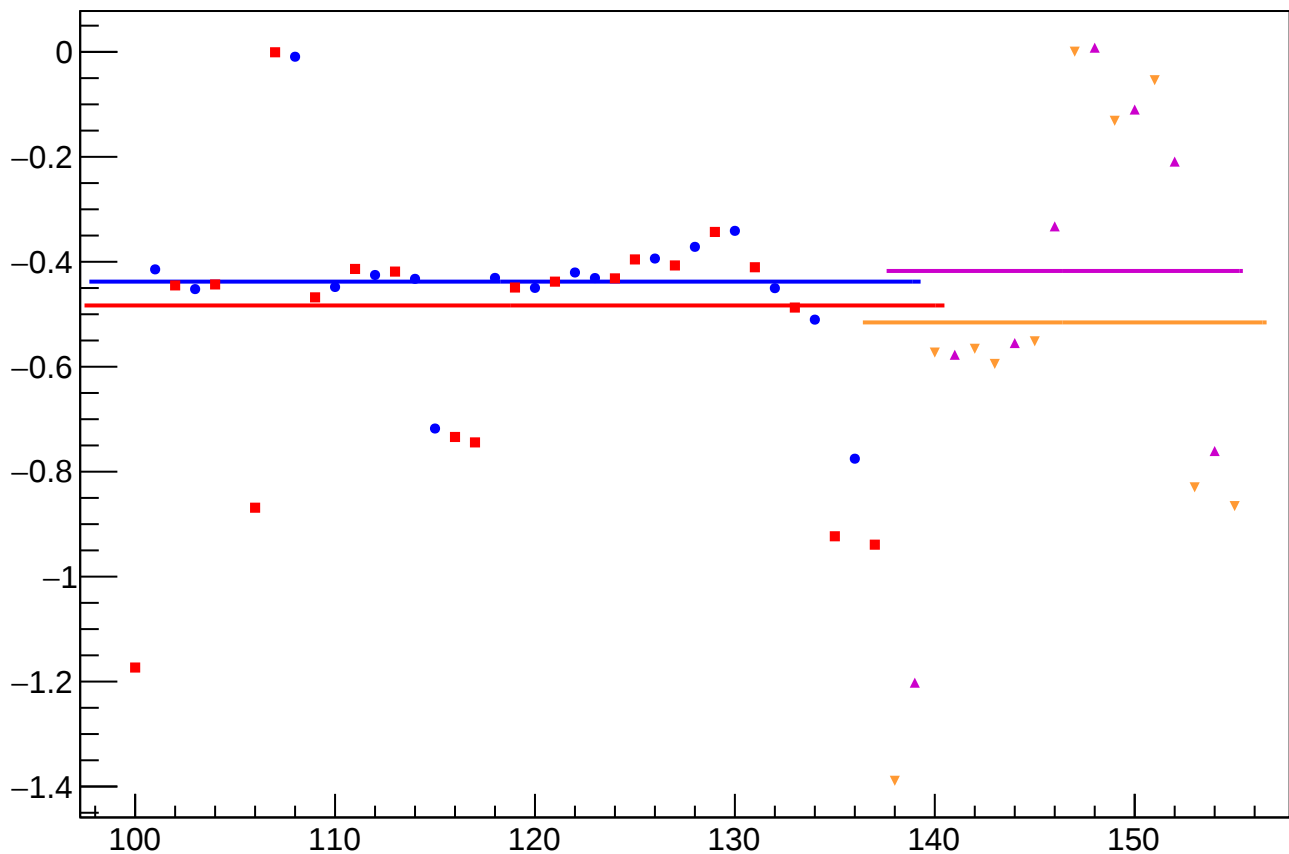
Left In: 0.003 $\pm$ 0.000 χ^2/NDF :32032.0/7

0.003 $\pm$ 0.000 χ^2/NDF : 220393.8/26

0.003 $\pm$ 0.000 χ^2/NDF : 447982.4/54

0.003 $\pm$ 0.000 χ^2/NDF : 226956.7/27

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.438+/-0.000 χ^2/NDF : 1462454117.6/16

Left Out: -0.516+/-0.000 χ^2/NDF : 6991780548.0/9

Right Out: -0.483+/-0.000 χ^2/NDF : 2714164016.2/19

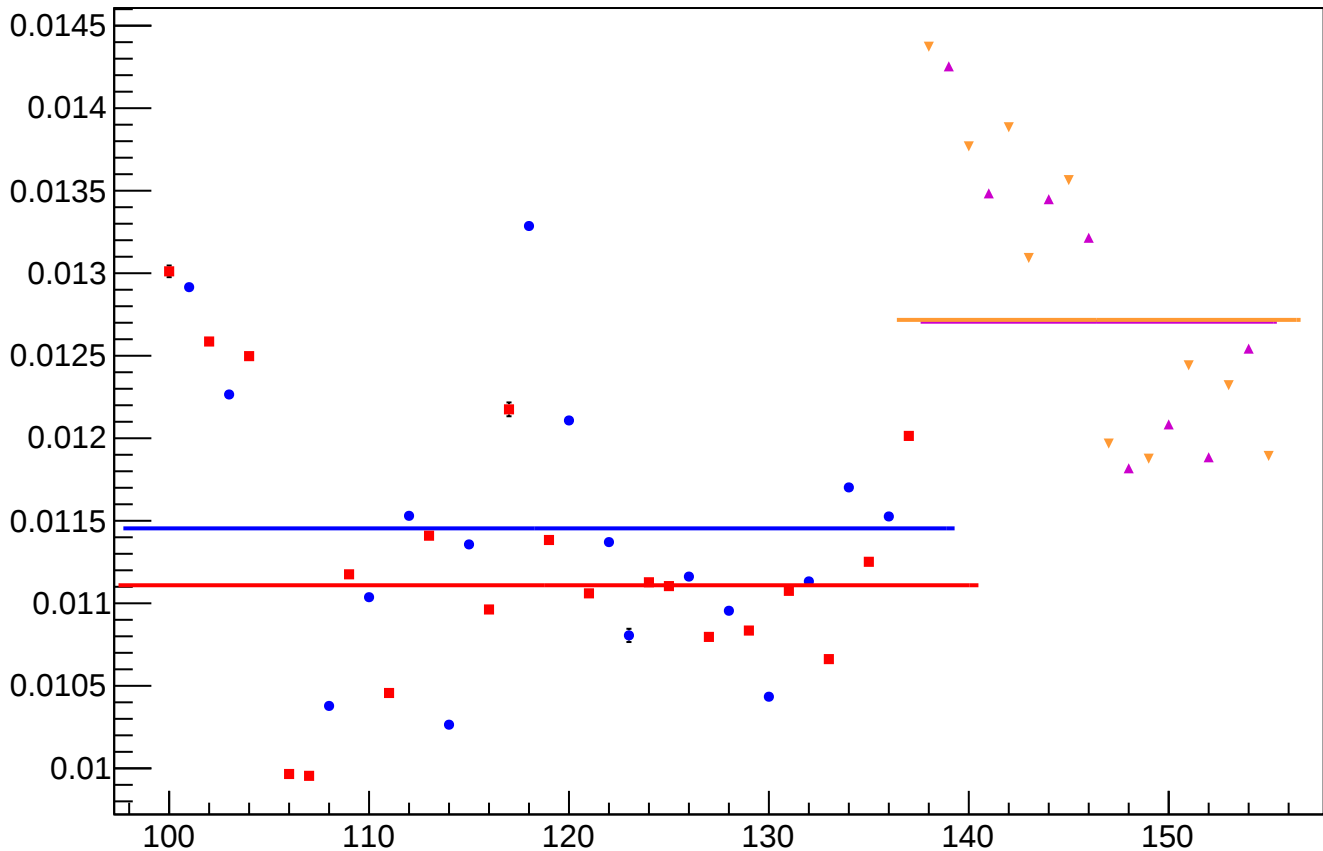
Left In: -0.417+/-0.000 χ^2/NDF : 4594564735.5/7

-0.474+/-0.000 χ^2/NDF : 8593270011.8/26

-0.465+/-0.000 χ^2/NDF : 16014861028.8/5

-0.457+/-0.000 χ^2/NDF : 7407482552.7/27

yield_bpm0l07X_rms vs Slug, Sign Corrected



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

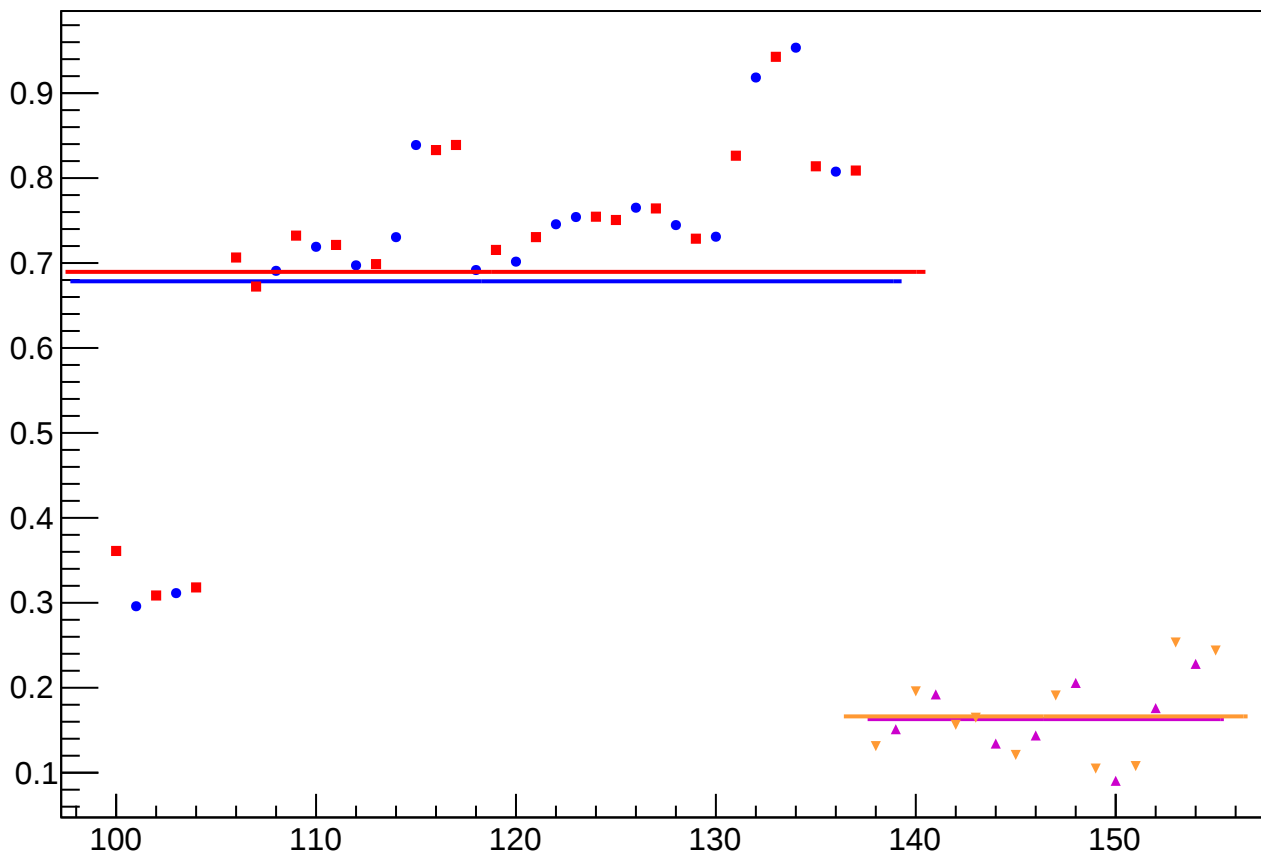
Left In: 0.013+/-0.000 χ^2/NDF : 48767.9/7

0.012+/-0.000 χ^2/NDF : 200168.5/26

0.012+/-0.000 χ^2/NDF : 429925.3/54

0.012+/-0.000 χ^2/NDF : 221964.7/27

yield_bpm0l07Y_mean vs Slug, Sign Corrected



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

Right Out: 0.690 $\pm$ 0.000 χ^2 /NDF: 35439496983.3/19

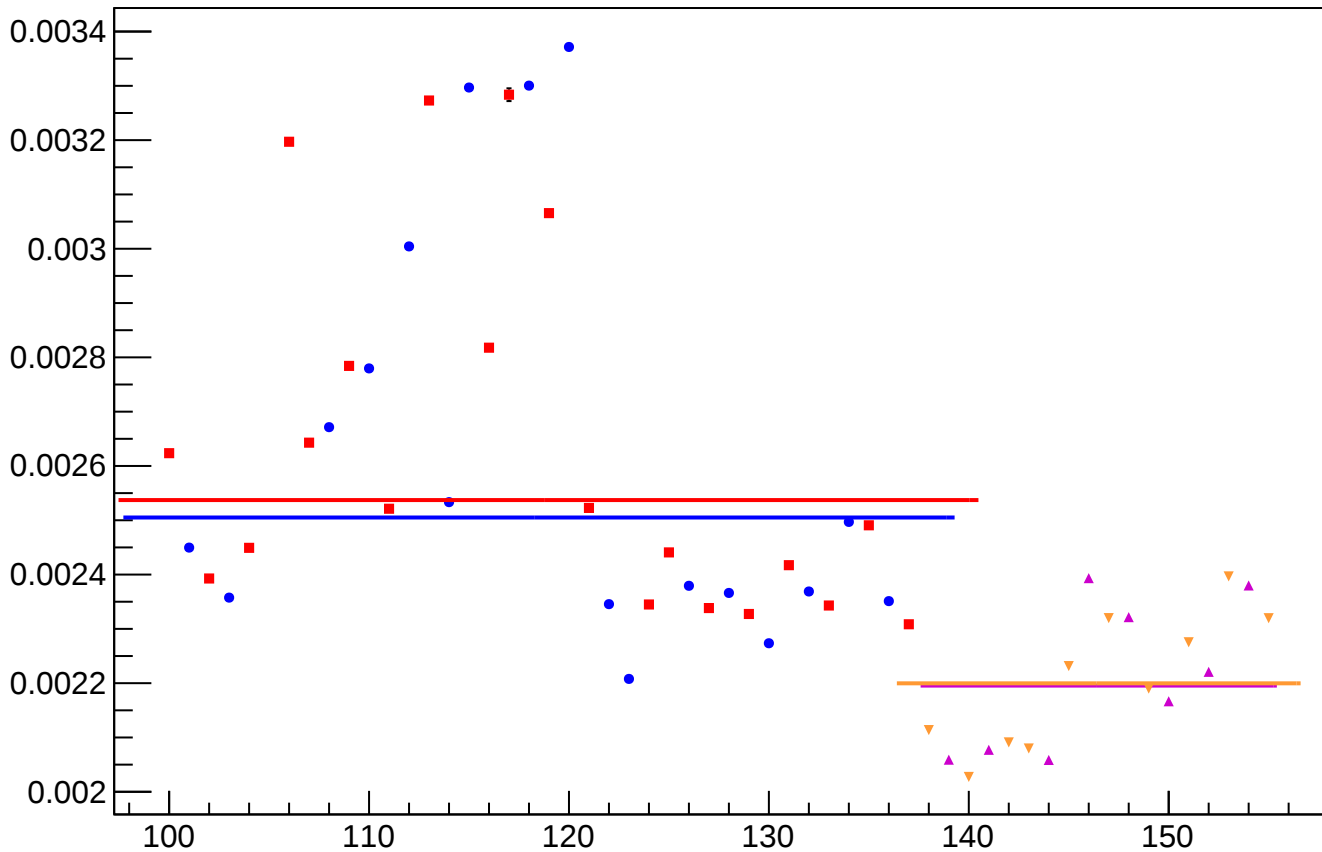
Left In: 0.163 $\pm$ 0.000 χ^2 /NDF: 2290808655.2/7

0.373 $\pm$ 0.000 χ^2 /NDF: 201011414759.0/26

0.384 $\pm$ 0.000 χ^2 /NDF: 401926860124.2/27

0.394 $\pm$ 0.000 χ^2 /NDF: 200368116864.3/27

yield_bpm0l07Y_rms vs Slug, Sign Corrected



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

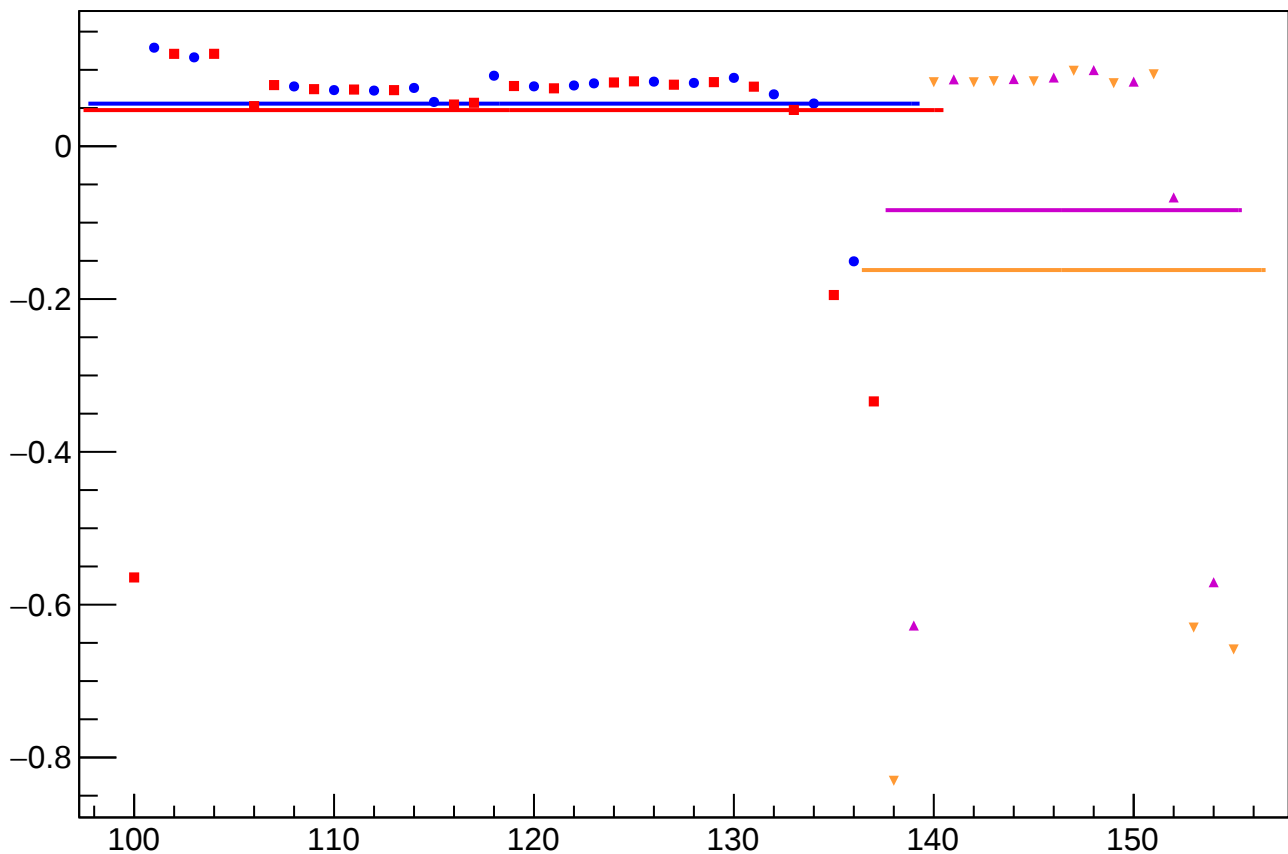
Left In: 0.002+/-0.000 χ^2/NDF : 45042.0/7

0.002+/-0.000 χ^2/NDF : 329867.9/26

0.002+/-0.000 χ^2/NDF : 648740.6/54

0.002+/-0.000 χ^2/NDF : 317628.2/27

yield_bpm0l08X_mean vs Slug, Sign Corrected



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

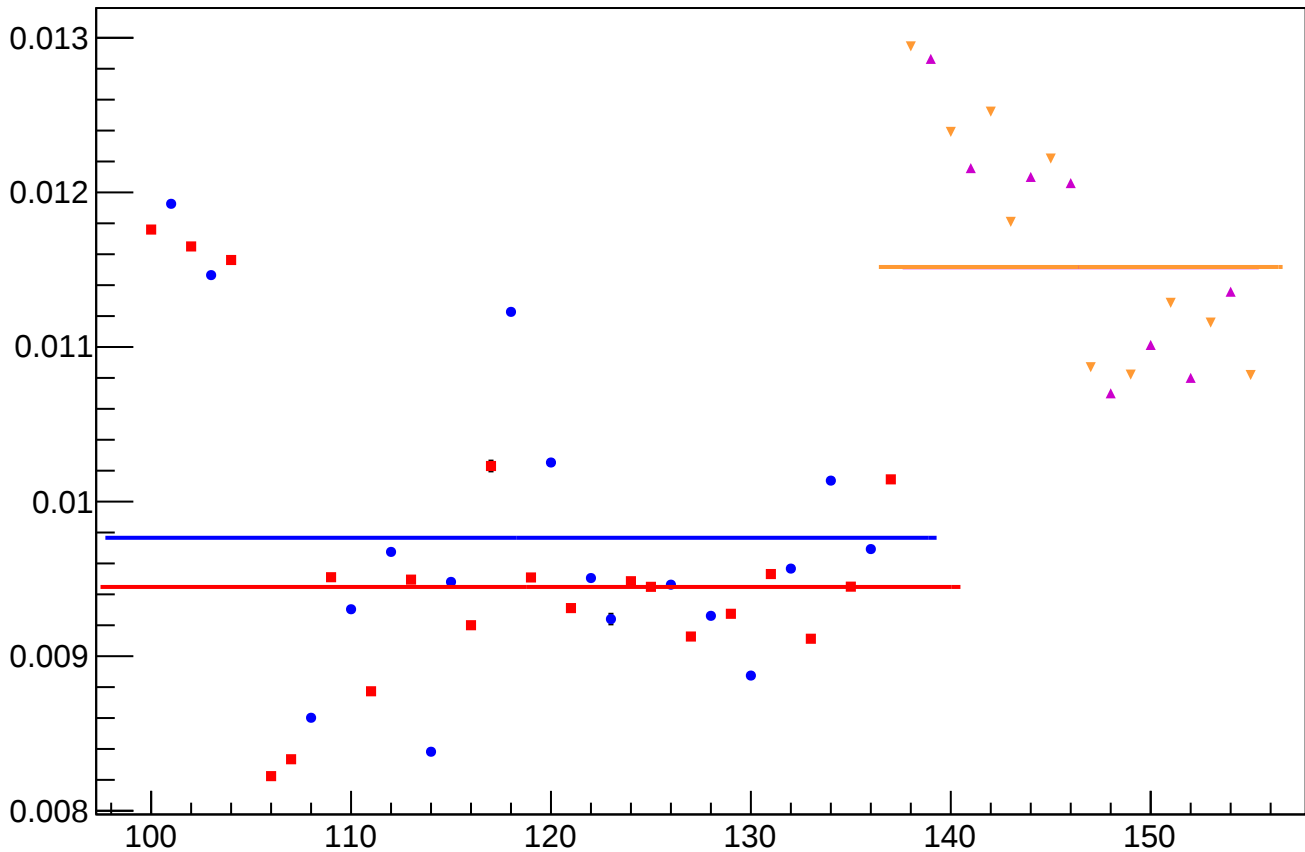
Left In: -0.084+/-0.000 χ^2/NDF : 3570096410.2/7

-0.040+/-0.000 χ^2/NDF : 8874856354.2/26

-0.020+/-0.000 χ^2/NDF : 13852215378.8/5

-0.002+/-0.000 χ^2/NDF : 4889761486.4/27

yield_bpm0l08X_rms vs Slug, Sign Corrected



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

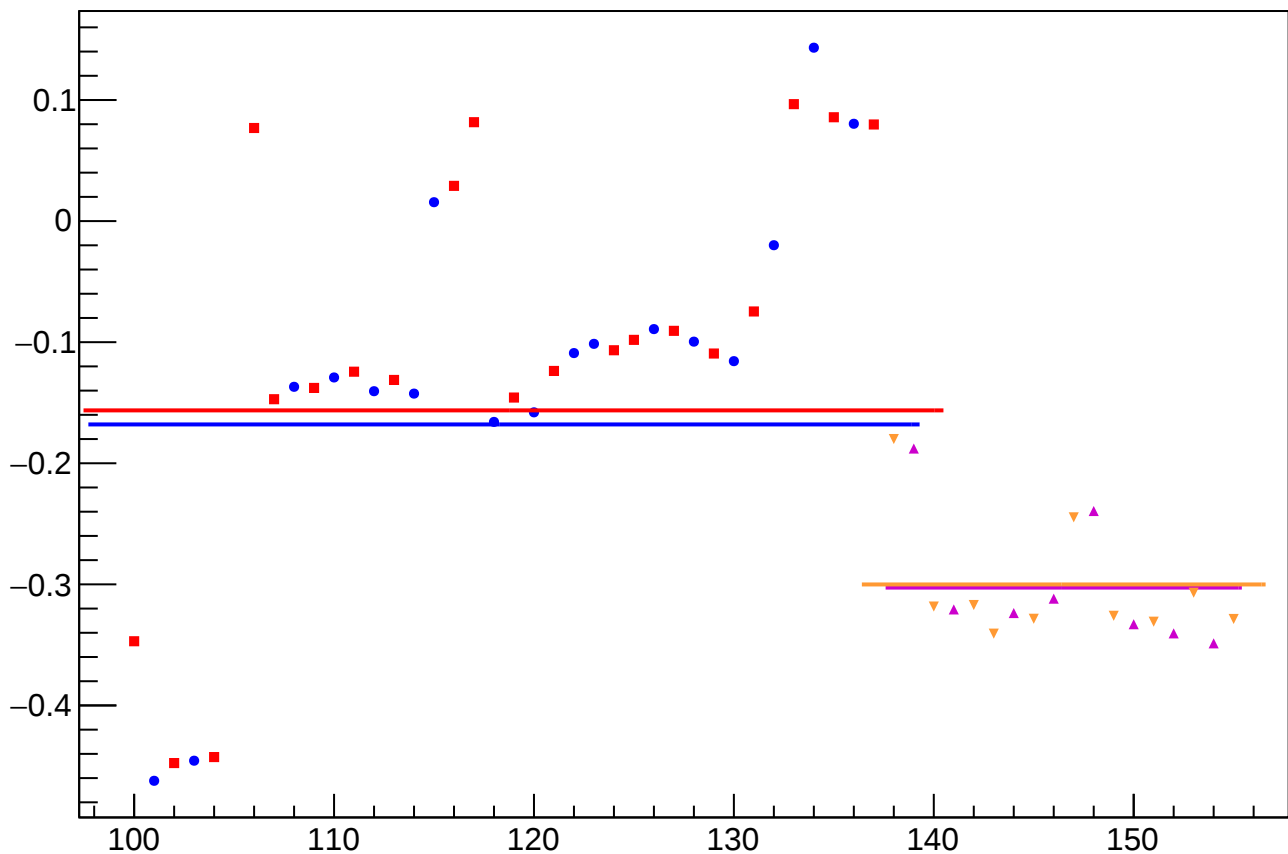
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 45263.8/7

0.011 $\pm$ 0.000 χ^2 /NDF: 352833.1/26

0.010 $\pm$ 0.000 χ^2 /NDF: 770439.4/54

0.010 $\pm$ 0.000 χ^2 /NDF: 405846.1/27

yield_bpm0l08Y_mean vs Slug, Sign Corrected



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

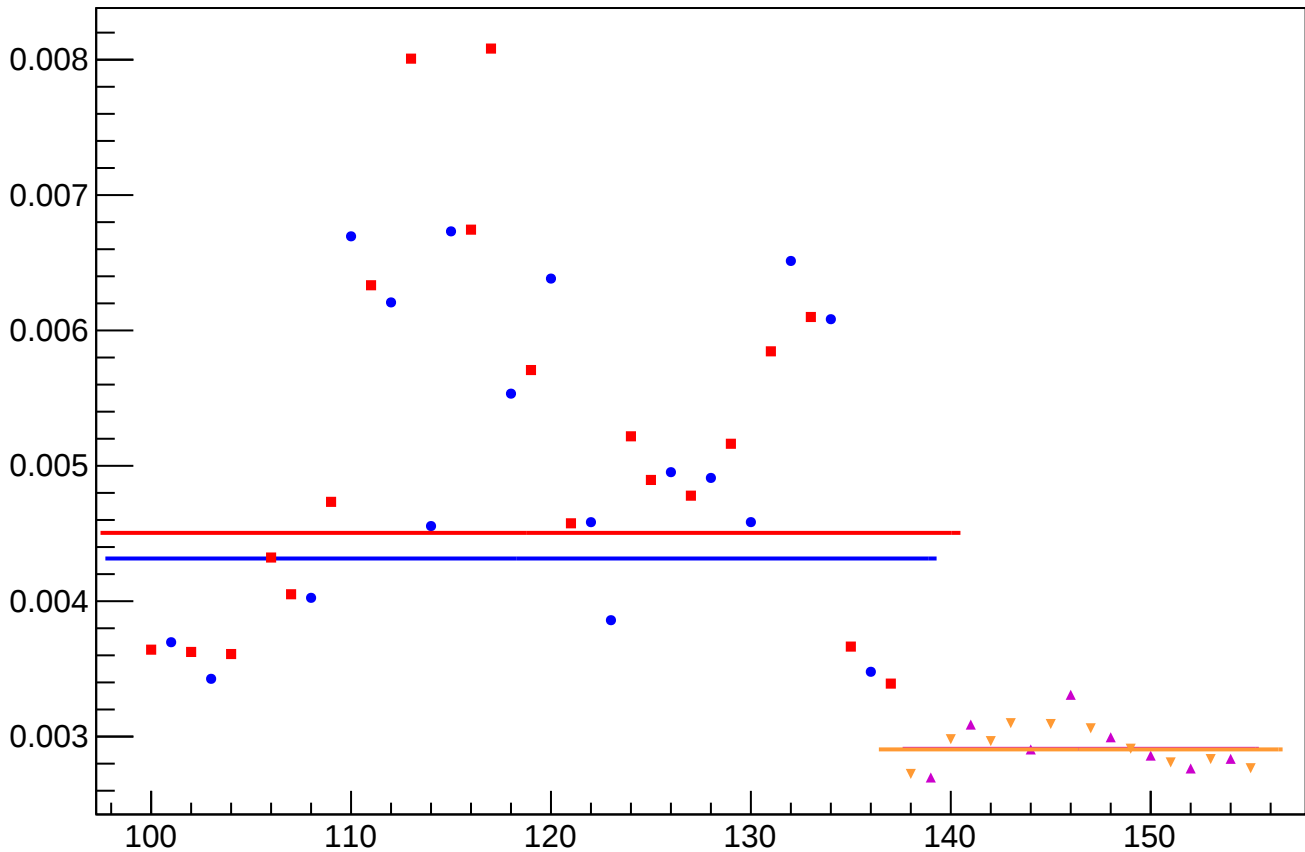
Right Out: -0.156+/-0.000 χ^2/NDF : 11061140252.3/19

-0.261+/-0.000 χ^2/NDF : 36079134633.8/5

-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, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 619744.7/16

Left Out: 0.003+/-0.000 χ^2/NDF : 27819.8/9

Right Out: 0.005+/-0.000 χ^2/NDF : 665152.6/19

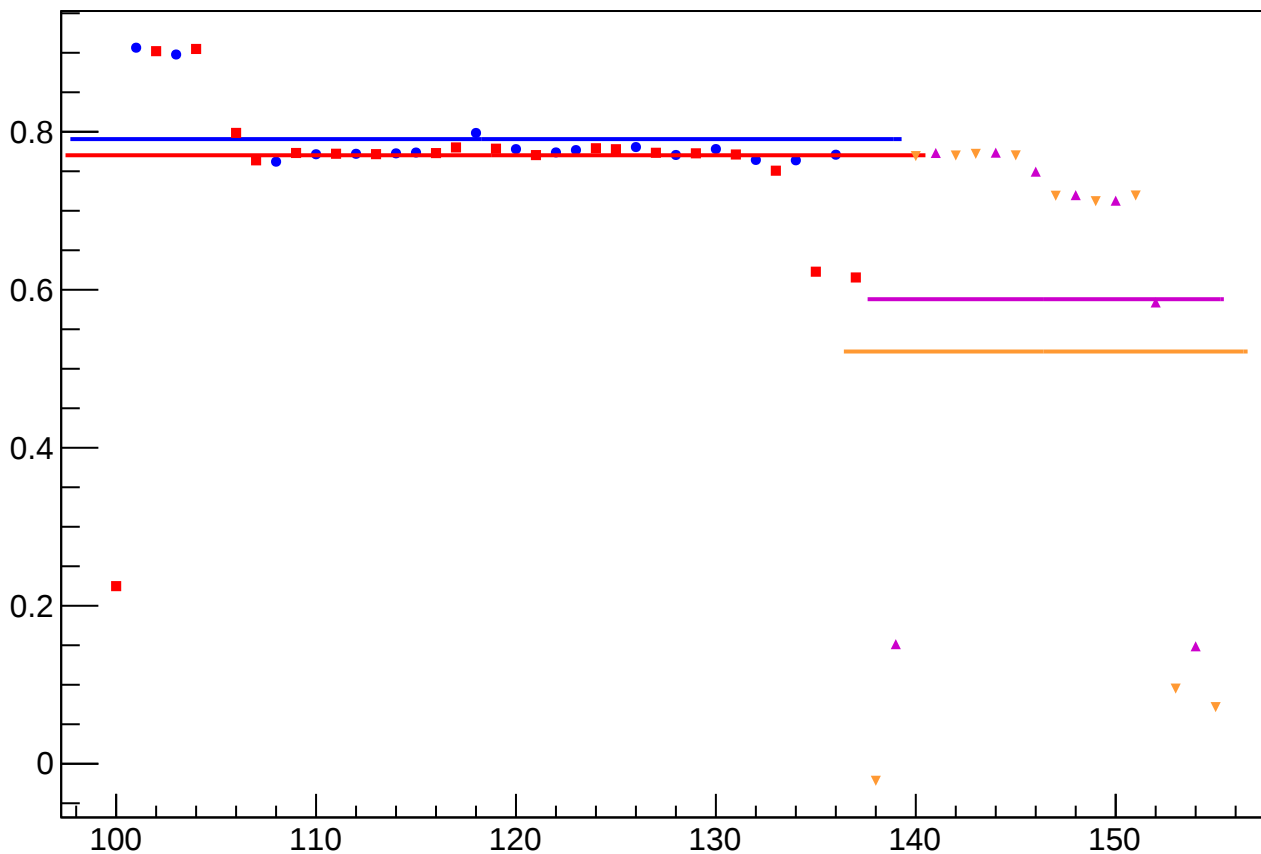
Left In: 0.003+/-0.000 χ^2/NDF : 41154.9/7

0.003+/-0.000 χ^2/NDF : 1545812.3/26

0.003+/-0.000 χ^2/NDF : 3360909.2/54

0.003+/-0.000 χ^2/NDF : 1806029.9/27

yield_bpm0l09X_mean vs Slug, Sign Corrected



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

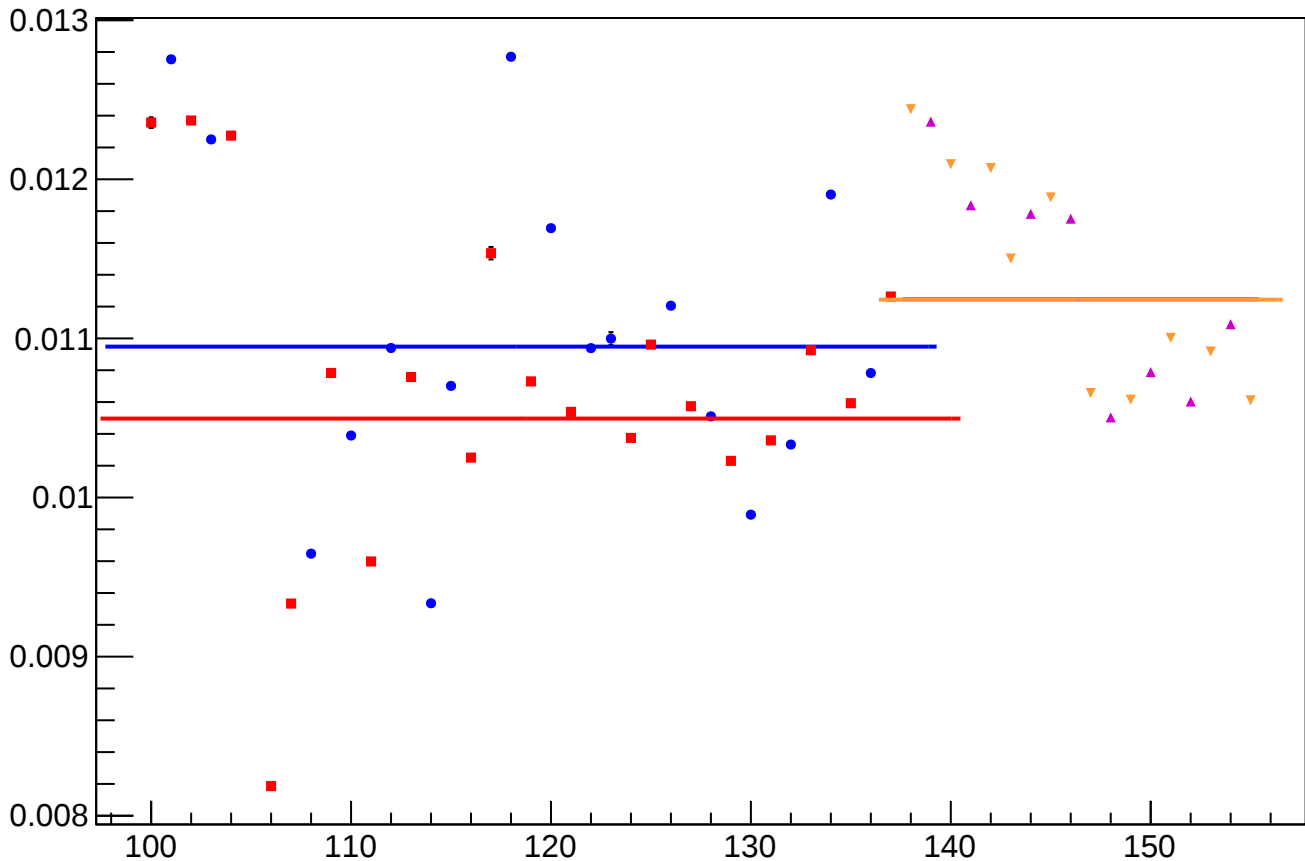
Left In: 0.588 $\pm$ 0.000 χ^2/NDF : 2882737455.1/7

0.654 $\pm$ 0.000 χ^2/NDF : 7832698759.9/26

0.672 $\pm$ 0.000 χ^2/NDF : 12082098801.2/5

0.690 $\pm$ 0.000 χ^2/NDF : 4176366890.3/27

yield_bpm0l09X_rms vs Slug, Sign Corrected



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

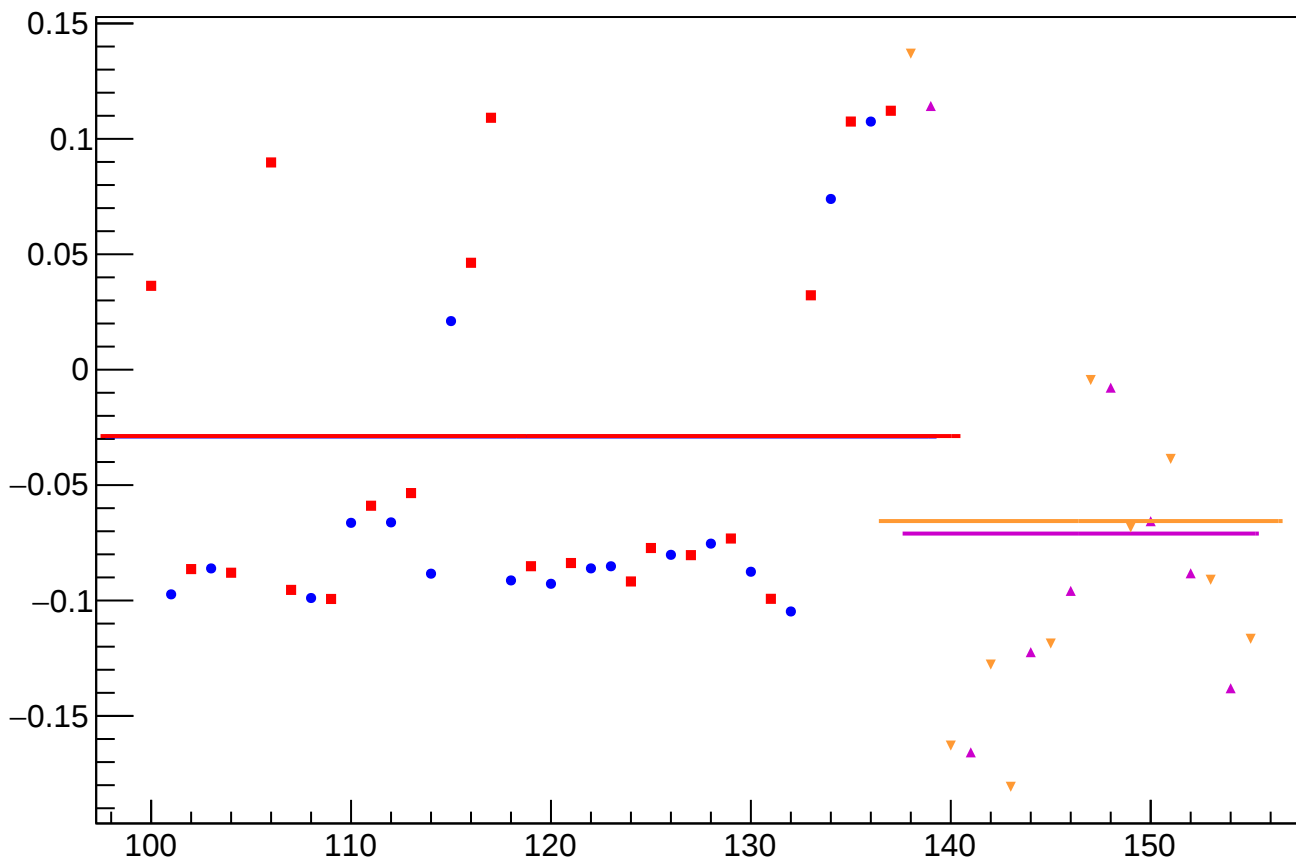
Left In: 0.011+/-0.000 χ^2/NDF : 37853.6/7

0.011+/-0.000 χ^2/NDF : 149616.8/26

0.011+/-0.000 χ^2/NDF : 346941.9/54

0.011+/-0.000 χ^2/NDF : 189050.0/27

yield_bpm0l09Y_mean vs Slug, Sign Corrected



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

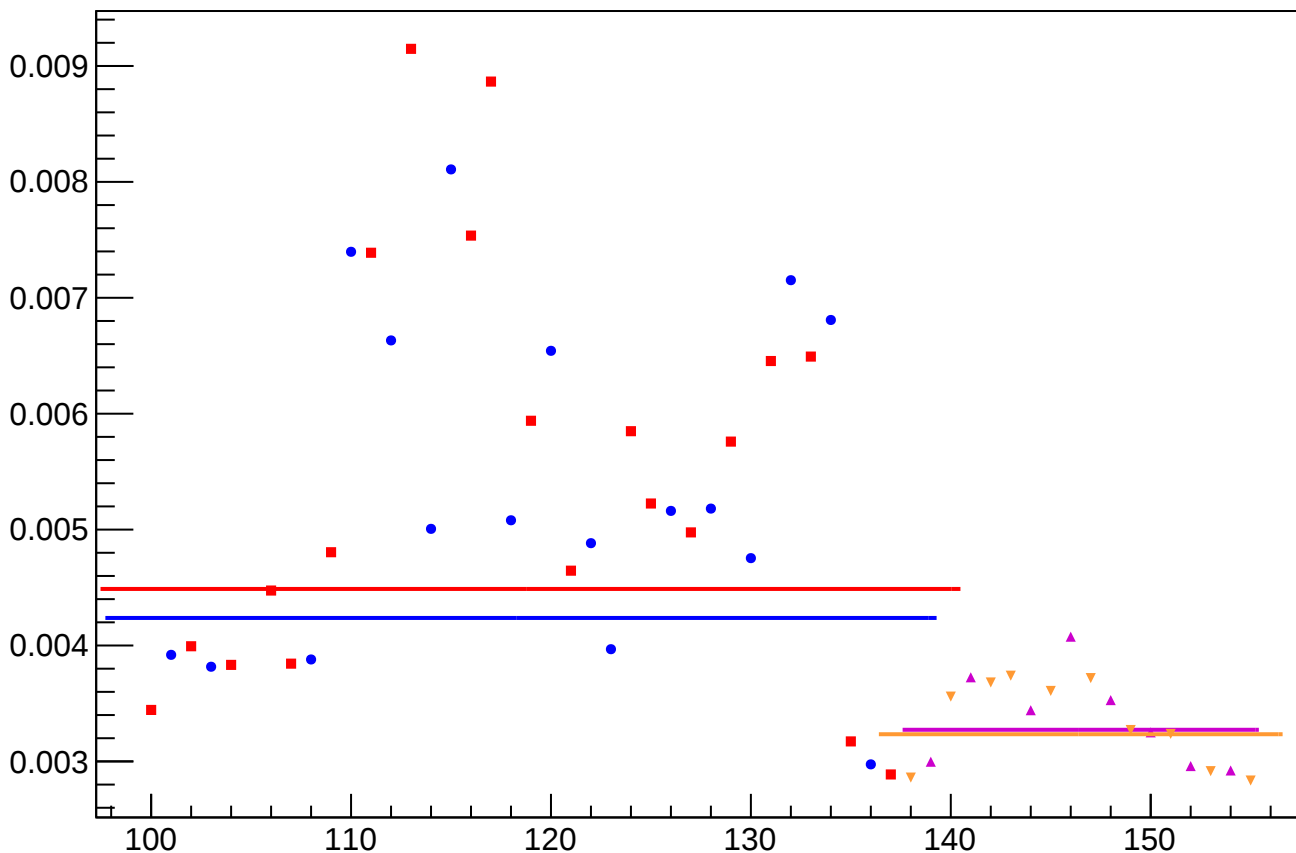
Right Out: -0.029+/-0.000 χ^2/NDF : 2122918772.1/19

-0.055+/-0.000 χ^2/NDF : 14191981542.3/5

-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, Sign Corrected



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

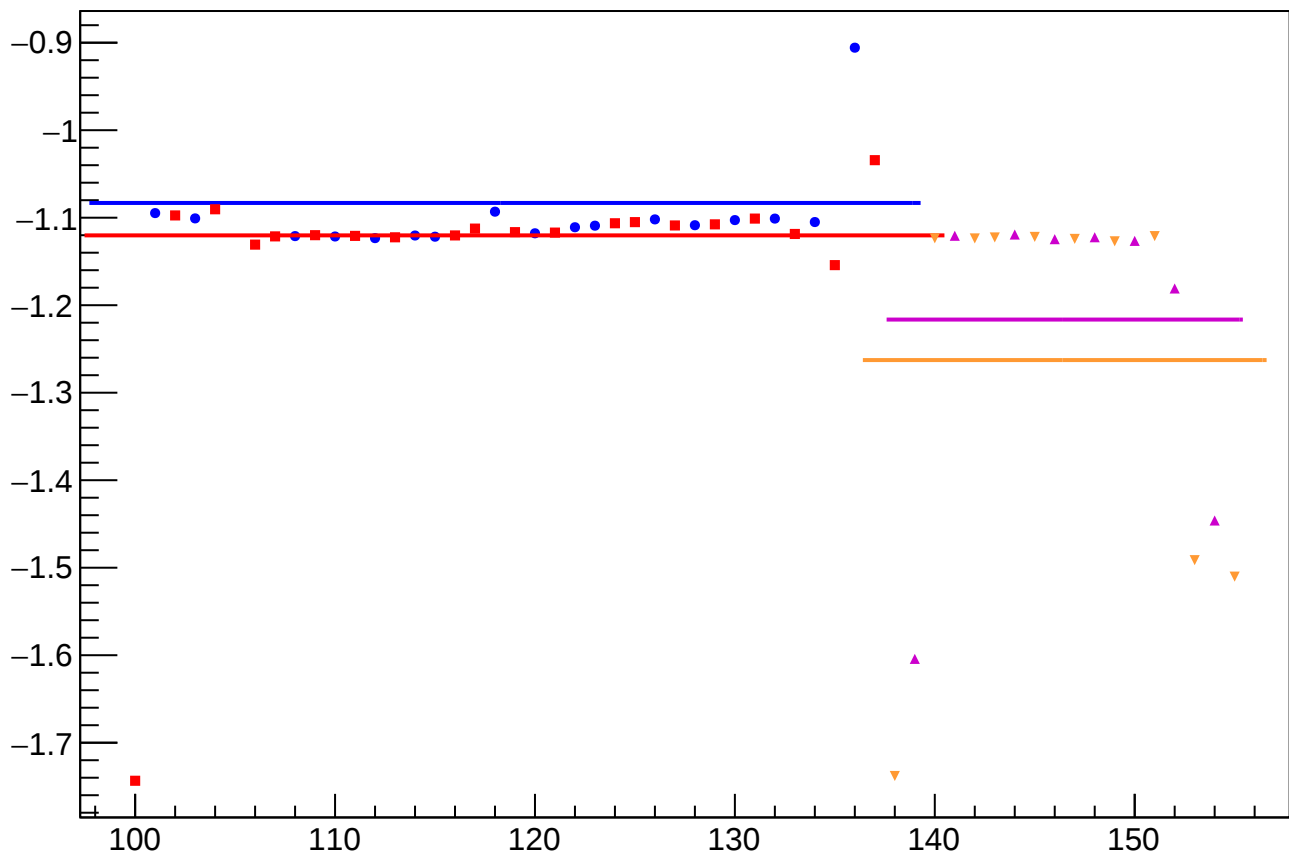
Left In: 0.003+/-0.000 χ^2/NDF : 137590.4/7

0.004+/-0.000 χ^2/NDF : 1451205.5/26

0.004+/-0.000 χ^2/NDF : 3171517.4/54

0.004+/-0.000 χ^2/NDF : 1704266.6/27

yield_bpm0l10X_mean vs Slug, Sign Corrected



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

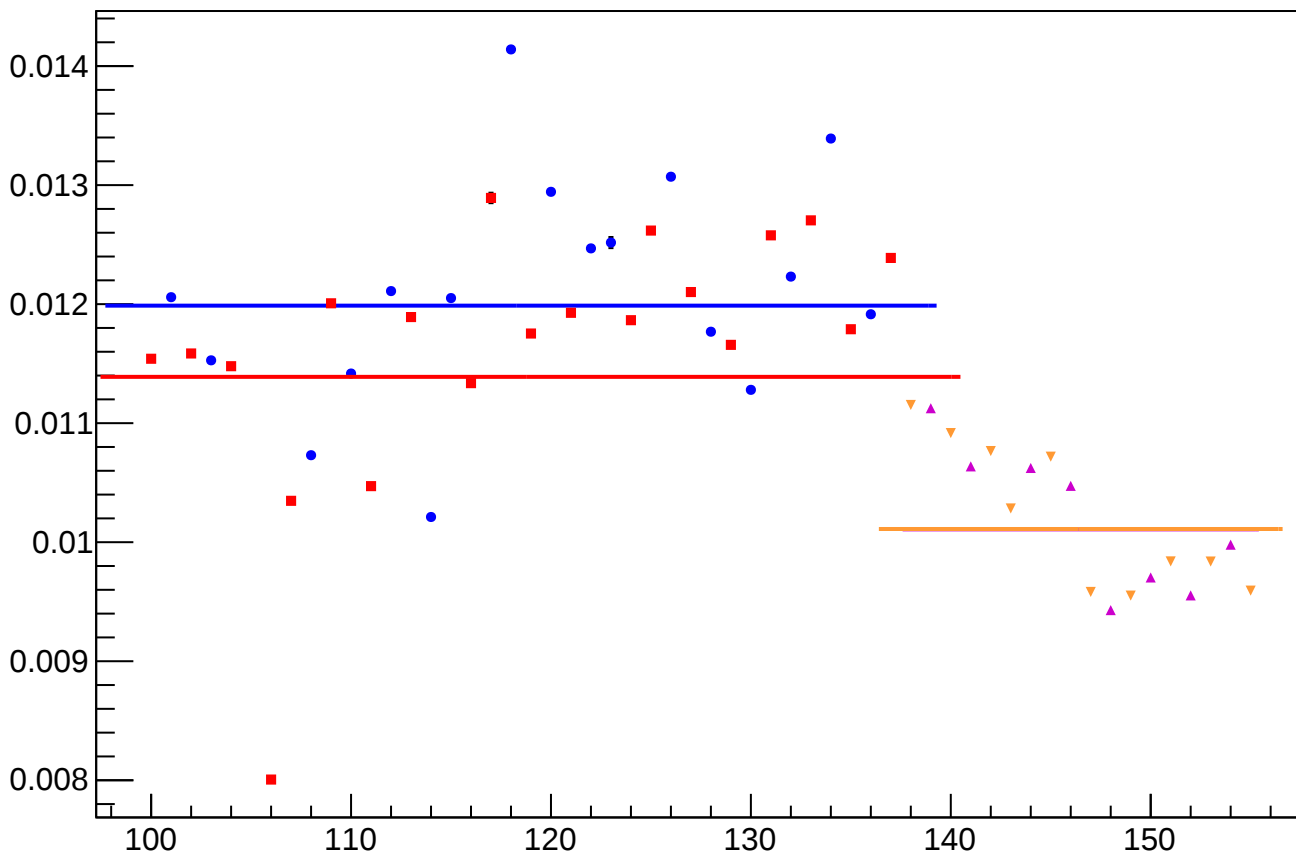
Left In: -1.216+/-0.000 χ^2/NDF : 1592184108.7/7

-1.192+/-0.000 χ^2/NDF : 4179207826.5/26

-1.182+/-0.000 χ^2/NDF : 6279303167.9/54

-1.172+/-0.000 χ^2/NDF : 2076448639.9/27

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2/NDF : 60402.0/16

Left Out: 0.010 $\pm$ 0.000 χ^2/NDF : 45117.1/9

Right Out: 0.011 $\pm$ 0.000 χ^2/NDF : 155700.3/19

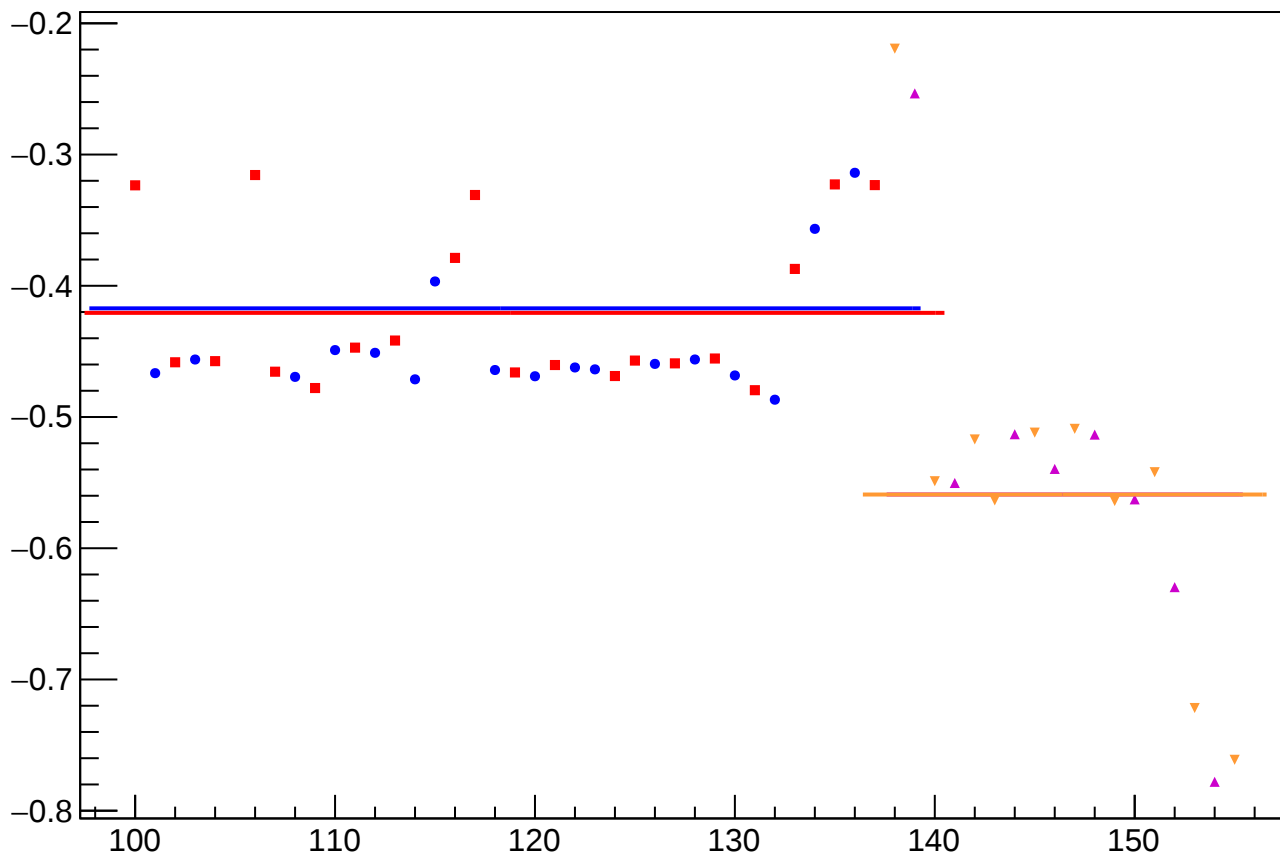
Left In: 0.010 $\pm$ 0.000 χ^2/NDF : 37492.5/7

0.011 $\pm$ 0.000 χ^2/NDF : 297004.1/26

0.011 $\pm$ 0.000 χ^2/NDF : 586183.7/54

0.011 $\pm$ 0.000 χ^2/NDF : 286730.4/27

yield_bpm0l10Y_mean vs Slug, Sign Corrected



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

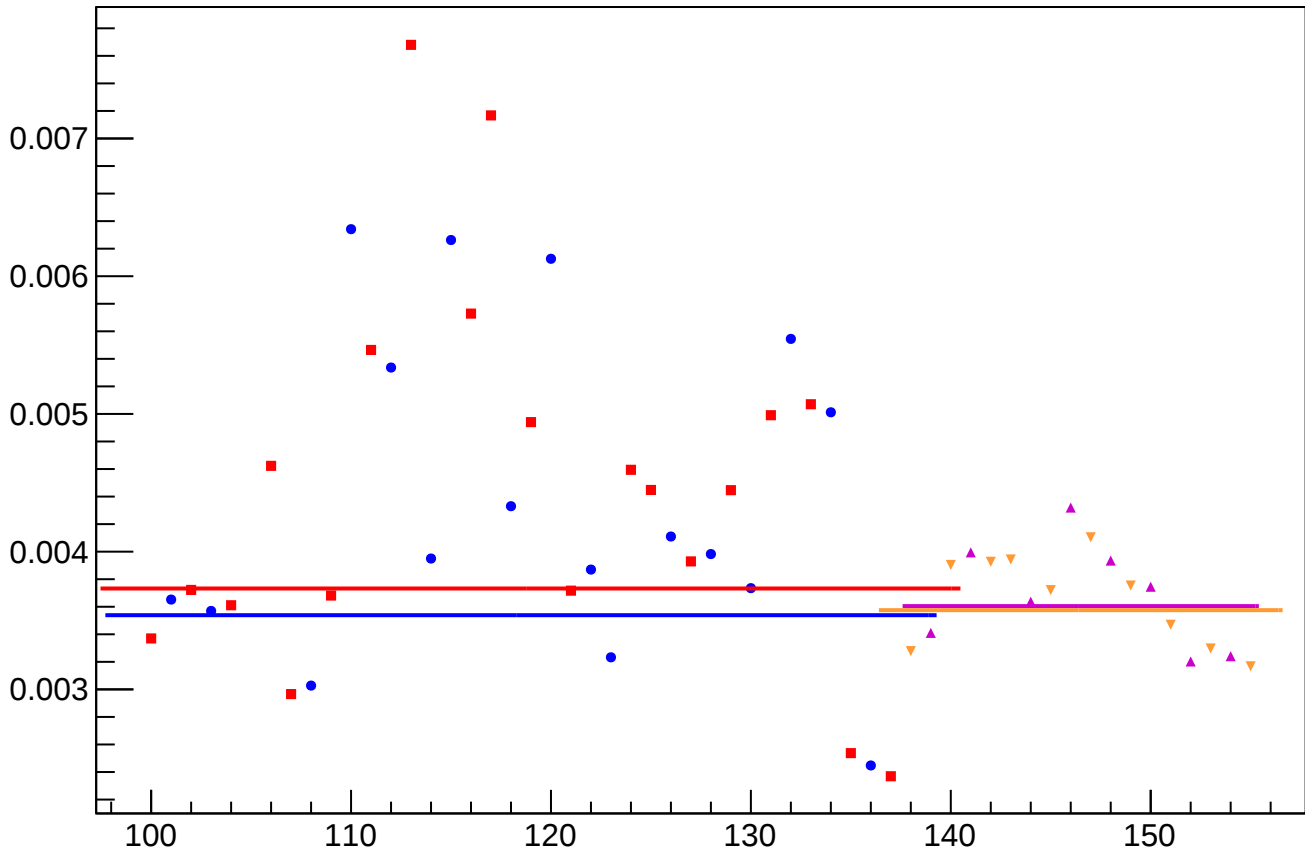
Left In: -0.559 ± 0.000 χ^2/NDF : 9417291449.6/7

-0.495 ± 0.000 χ^2/NDF : 19137727924.8/26

-0.493 ± 0.000 χ^2/NDF : 34394468172.2/5

-0.492 ± 0.000 χ^2/NDF : 15254110091.2/27

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004 $\pm$ 0.000 χ^2/NDF : 836154.0/16

Left Out: 0.004 $\pm$ 0.000 χ^2/NDF :103806.2/9

Right Out: 0.004 $\pm$ 0.000 χ^2/NDF : 916963.6/19

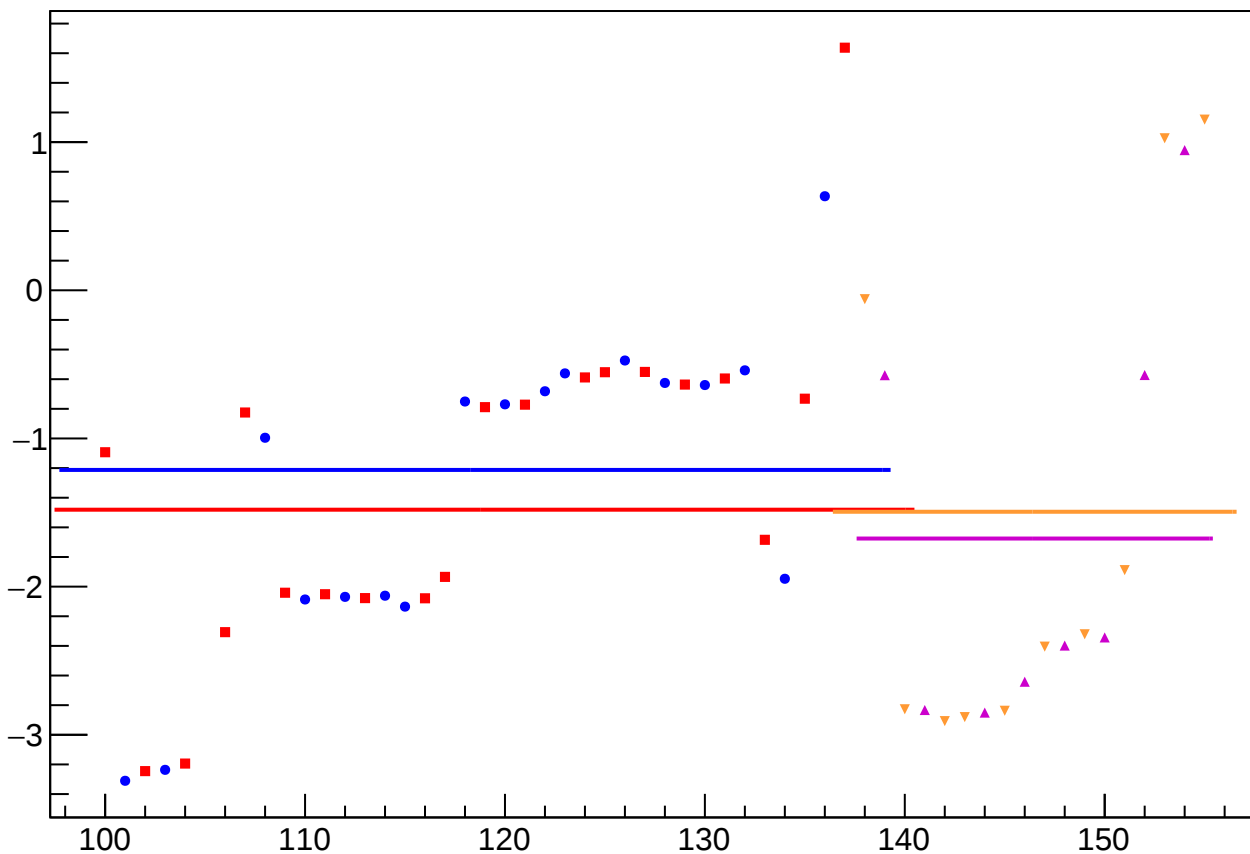
Left In: 0.004 $\pm$ 0.000 χ^2/NDF :112365.6/7

0.004 $\pm$ 0.000 χ^2/NDF : 940592.5/26

0.004 $\pm$ 0.000 χ^2/NDF : 1987698.7/54

0.004 $\pm$ 0.000 χ^2/NDF : 1036480.9/27

yield_bpm0r03X_mean vs Slug, Sign Corrected



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

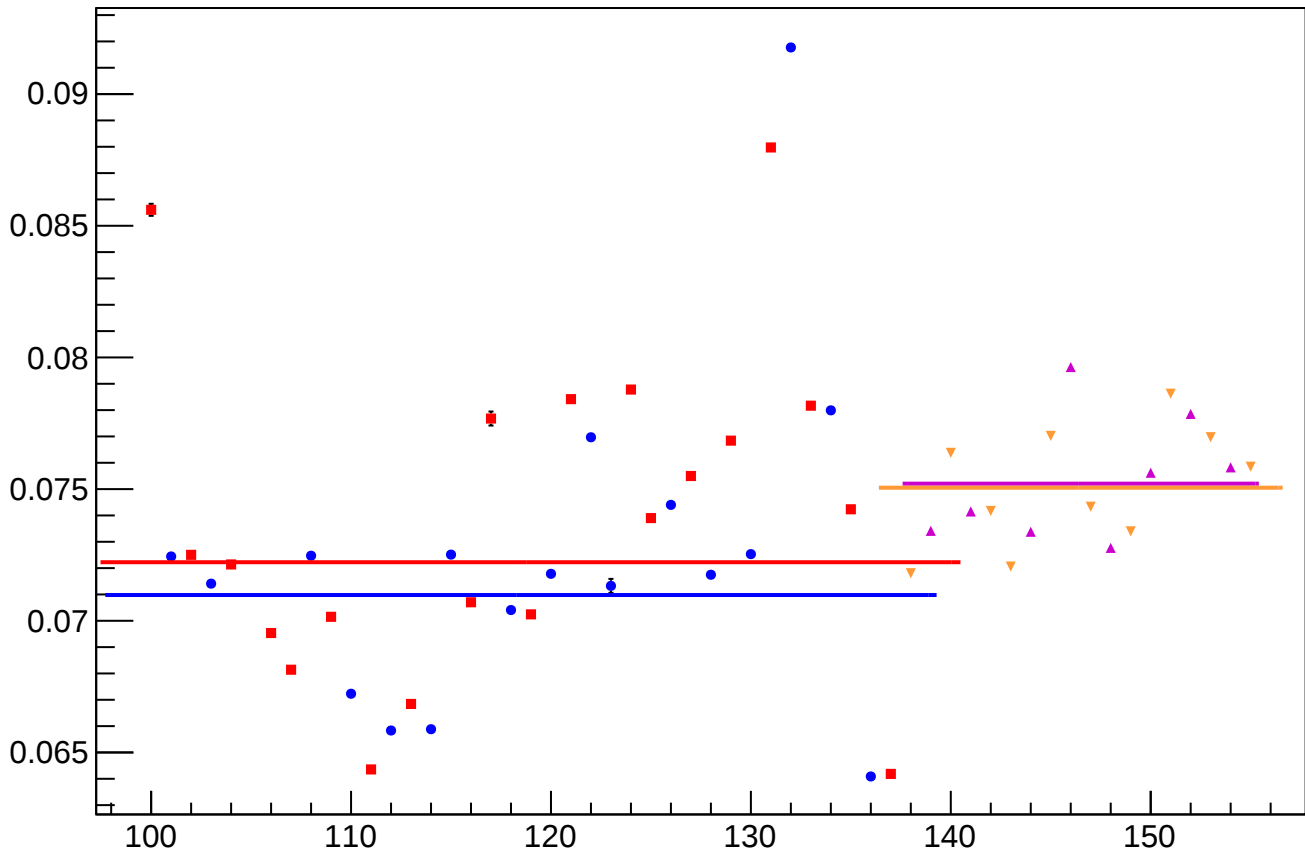
Left In: -1.675+/-0.000 χ^2/NDF : 1985935096.4/7

-1.352+/-0.000 χ^2/NDF : 5218416905.9/26

-1.458+/-0.000 χ^2/NDF : 8866839076.0/54

-1.569+/-0.000 χ^2/NDF : 3588805447.5/27

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.071+/-0.000 χ^2/NDF : 77589.5/16

Left Out: 0.075+/-0.000 χ^2/NDF : 12063.9/9

Right Out: 0.072+/-0.000 χ^2/NDF : 73650.9/19

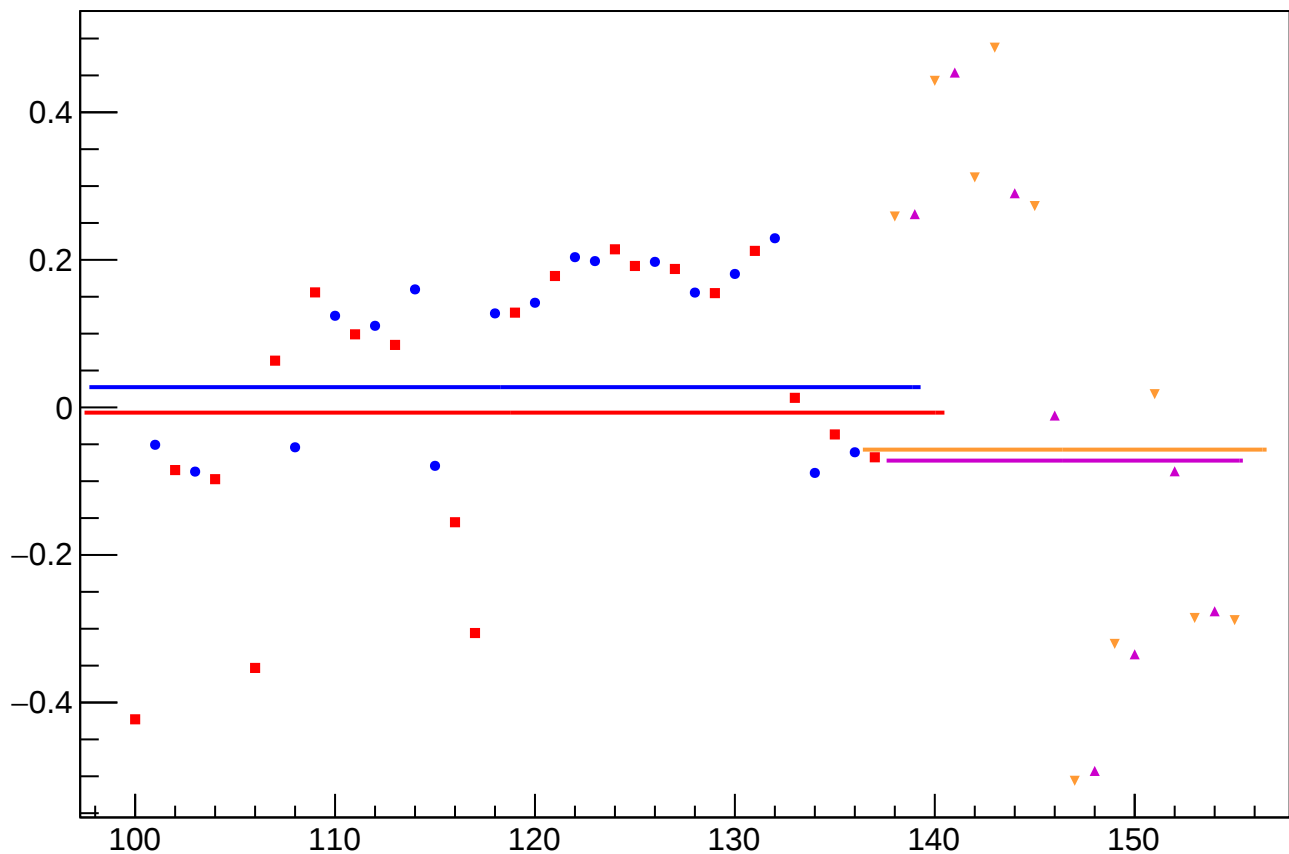
Left In: 0.075+/-0.000 χ^2/NDF : 10549.2/7

0.073+/-0.000 χ^2/NDF : 111067.6/26

0.073+/-0.000 χ^2/NDF : 207024.1/54

0.074+/-0.000 χ^2/NDF : 95079.5/27

yield_bpm0r03Y_mean vs Slug, Sign Corrected



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

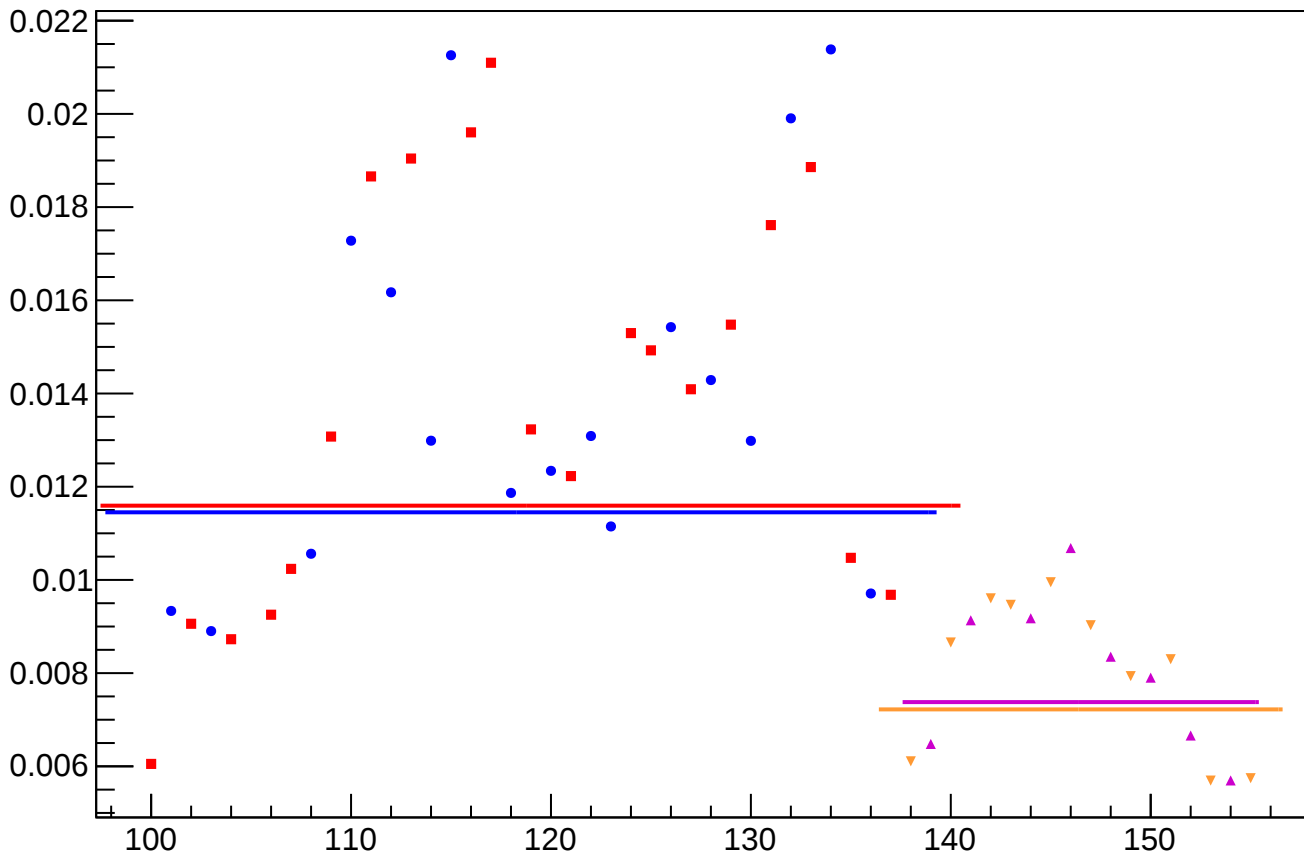
Left In: -0.072+/-0.000 χ^2/NDF : 9287502199.1/7

-0.035+/-0.000 χ^2/NDF : 13225527408.6/26

-0.044+/-0.000 χ^2/NDF : 23877486816.9/5

-0.053+/-0.000 χ^2/NDF : 10626734625.5/27

yield_bpm0r03Y_rms vs Slug, Sign Corrected



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

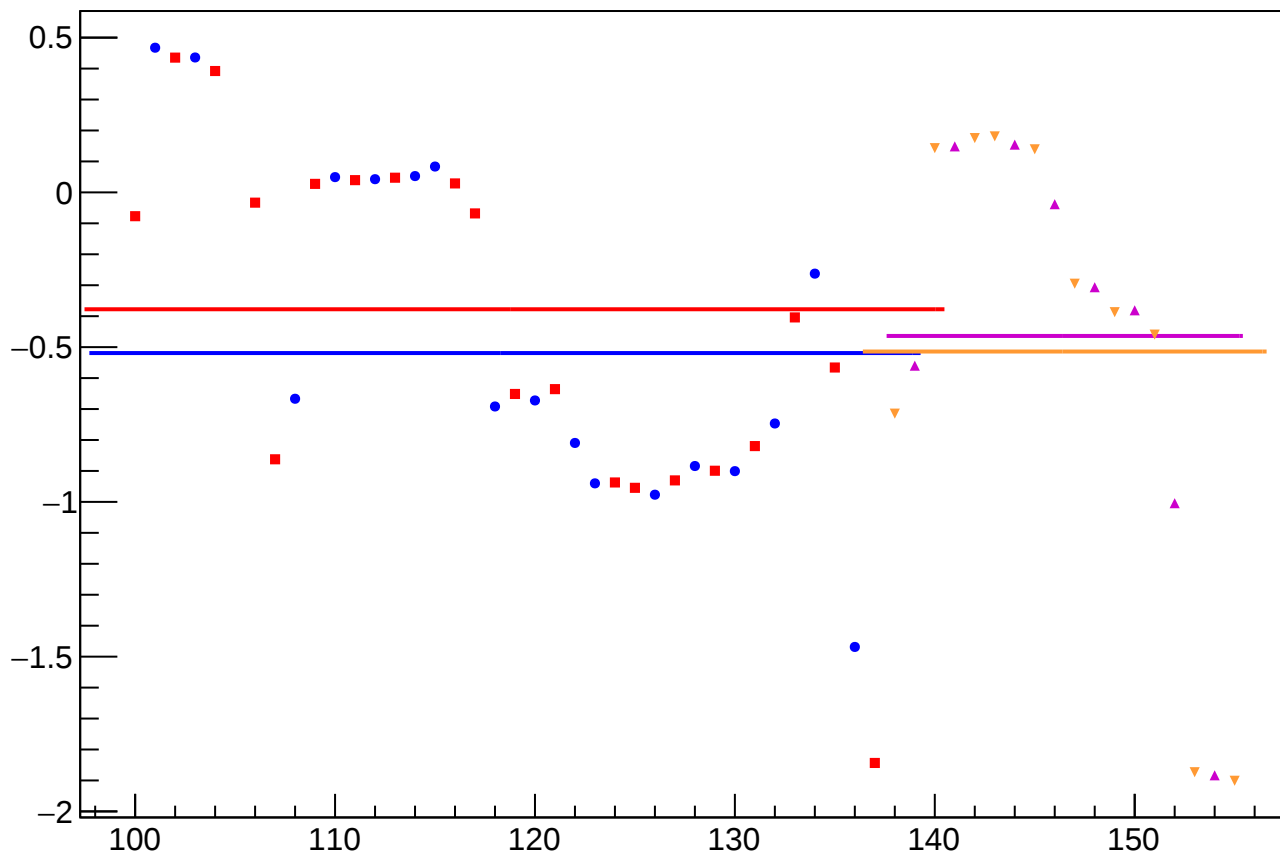
Left In: 0.007 $\pm$ 0.000 χ^2/NDF : 455513.0/7

0.008 $\pm$ 0.000 χ^2/NDF : 2443119.4/26

0.008 $\pm$ 0.000 χ^2/NDF : 5036820.2/54

0.009 $\pm$ 0.000 χ^2/NDF : 2579938.8/27

yield_bpm0r05X_mean vs Slug, Sign Corrected



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

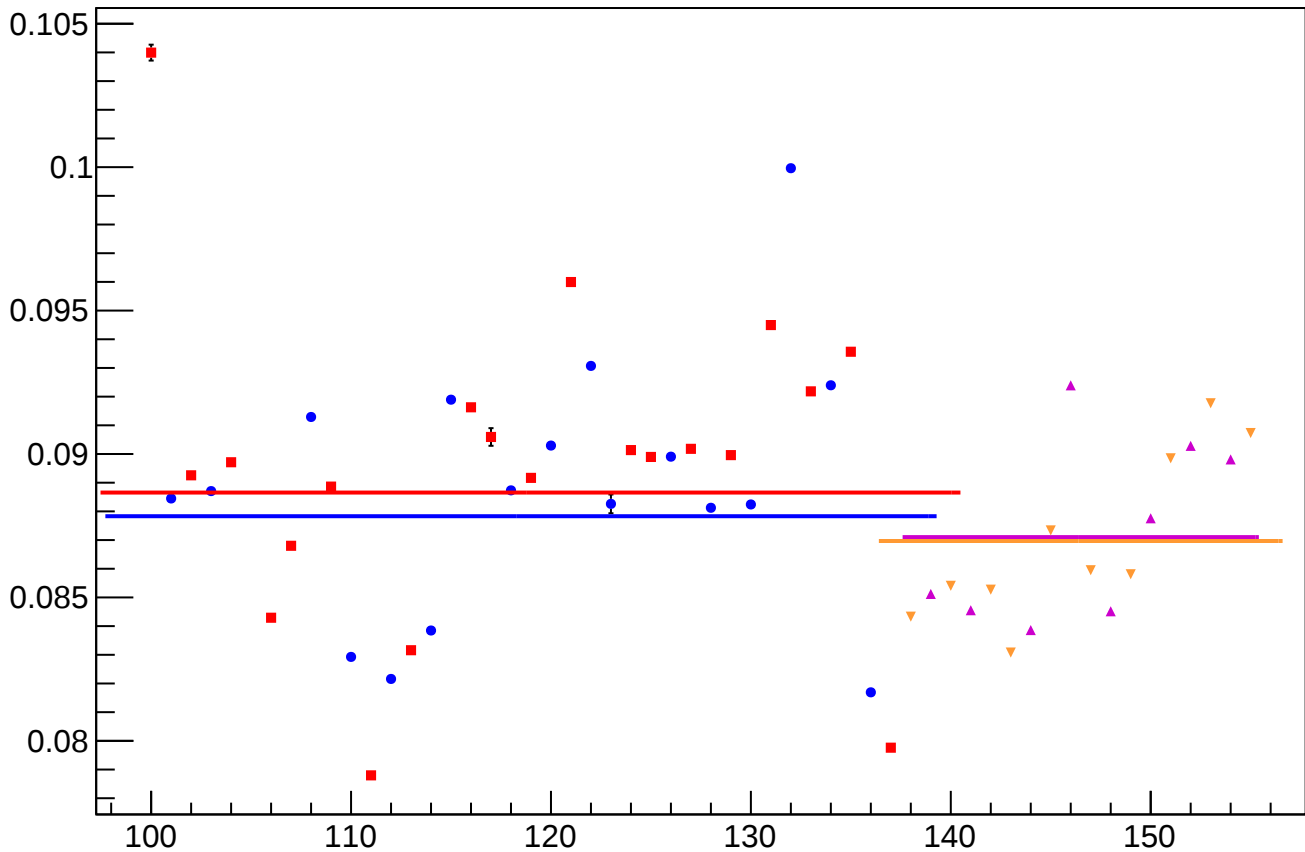
Left In: -0.464+/-0.000 χ^2/NDF : 351174533.0/7

-0.517+/-0.000 χ^2/NDF : 871996147.7/26

-0.469+/-0.000 χ^2/NDF : 1504042198.8/54

-0.419+/-0.000 χ^2/NDF : 623574230.1/27

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.088 $\pm$ 0.000 χ^2/NDF : 34954.4/16

Left Out: 0.087 $\pm$ 0.000 χ^2/NDF : 14414.0/9

Right Out: 0.089 $\pm$ 0.000 χ^2/NDF : 39762.8/19

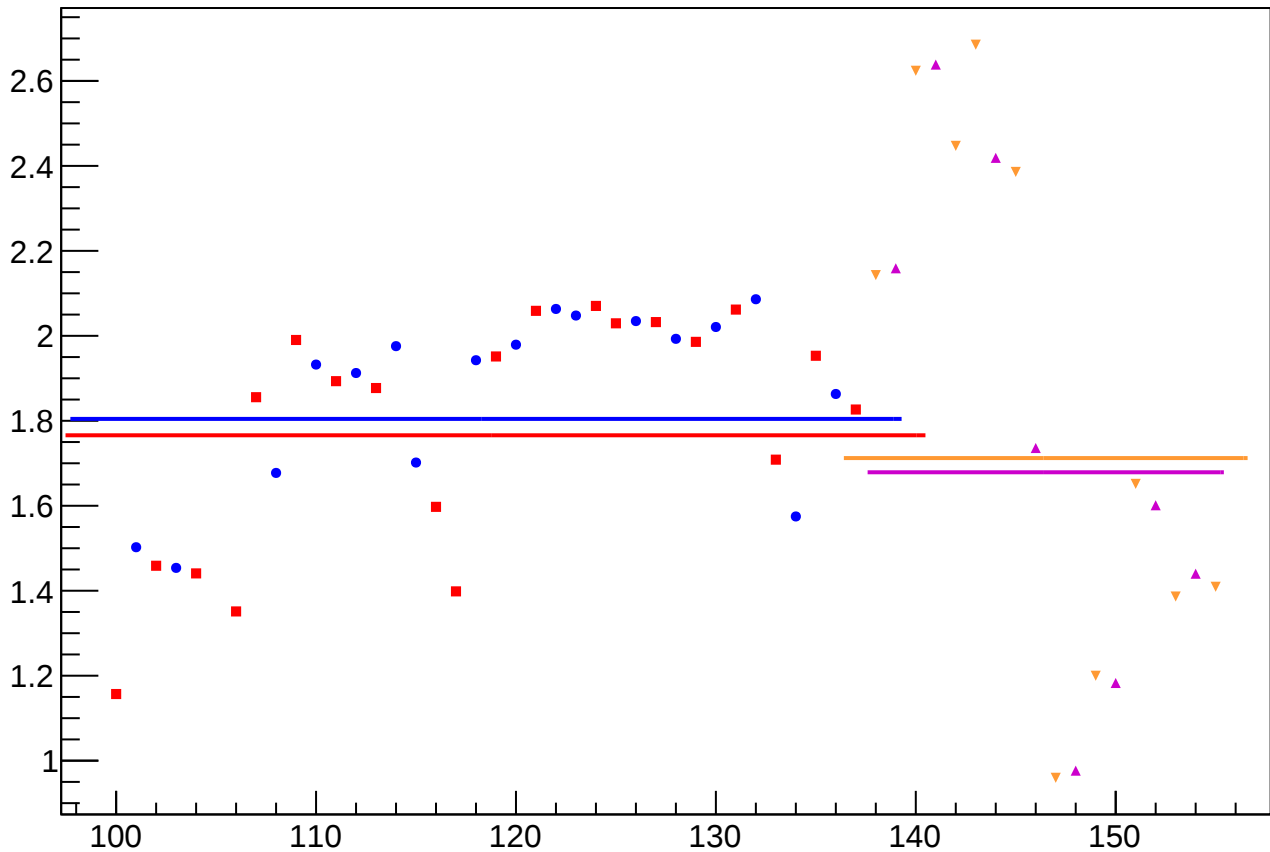
Left In: 0.087 $\pm$ 0.000 χ^2/NDF : 15123.3/7

0.087 $\pm$ 0.000 χ^2/NDF : 50050.4/26

0.088 $\pm$ 0.000 χ^2/NDF : 107559.1/54

0.088 $\pm$ 0.000 χ^2/NDF : 57008.2/27

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.804 $\pm$ 0.000 χ^2 /NDF: 1156747883.2/16

Left Out: 1.712 $\pm$ 0.000 χ^2 /NDF: 19728640571.9/9

Right Out: 1.766 $\pm$ 0.000 χ^2 /NDF: 1717275187.7/19

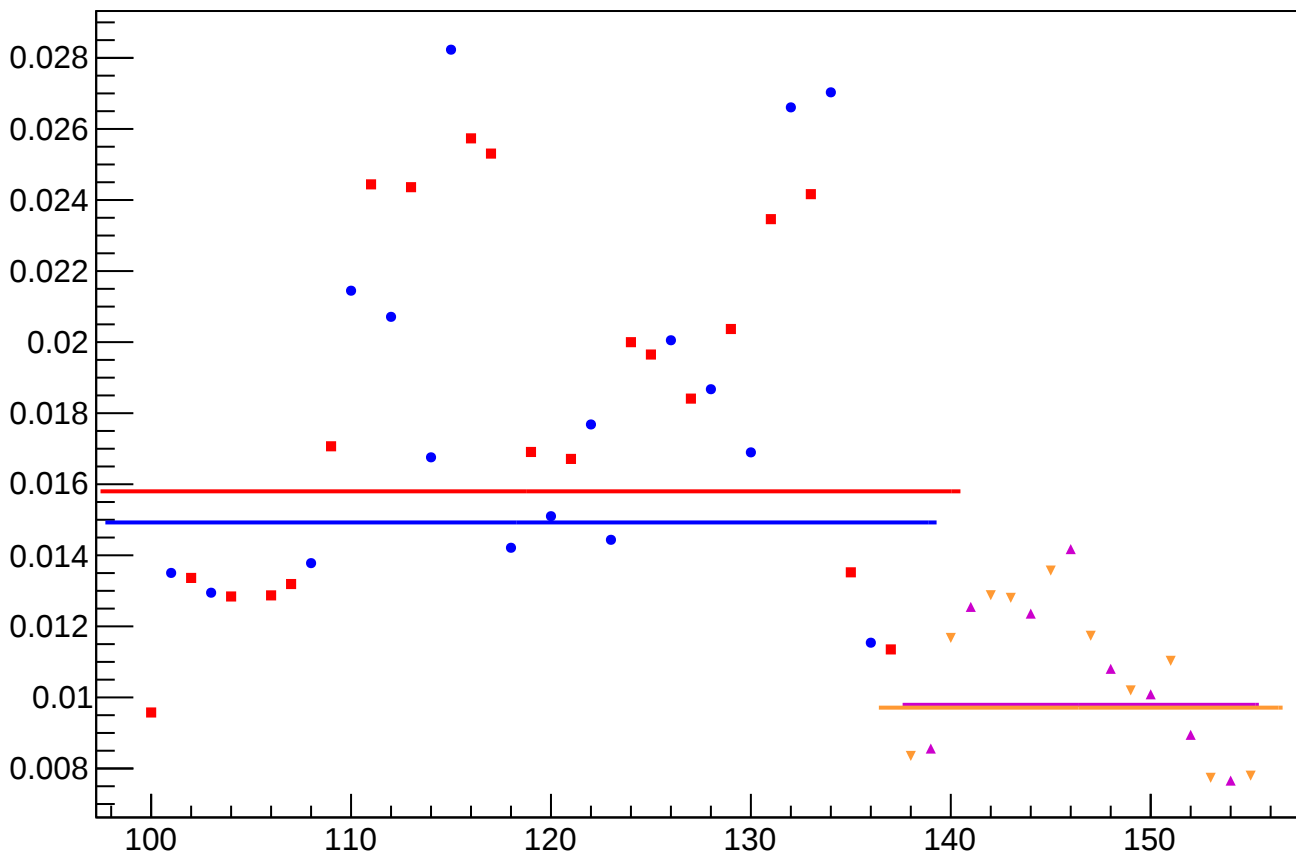
Left In: 1.679 $\pm$ 0.000 χ^2 /NDF: 15296959953.6/7

1.737 $\pm$ 0.000 χ^2 /NDF: 21045441404.2/26

1.721 $\pm$ 0.000 χ^2 /NDF: 38241826630.9/5

1.704 $\pm$ 0.000 χ^2 /NDF: 17145794836.9/27

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.015 $\pm$ 0.000 χ^2/NDF : 643651.9/16

Left Out: 0.010 $\pm$ 0.000 χ^2/NDF : 563784.3/9

Right Out: 0.016 $\pm$ 0.000 χ^2/NDF : 796839.8/19

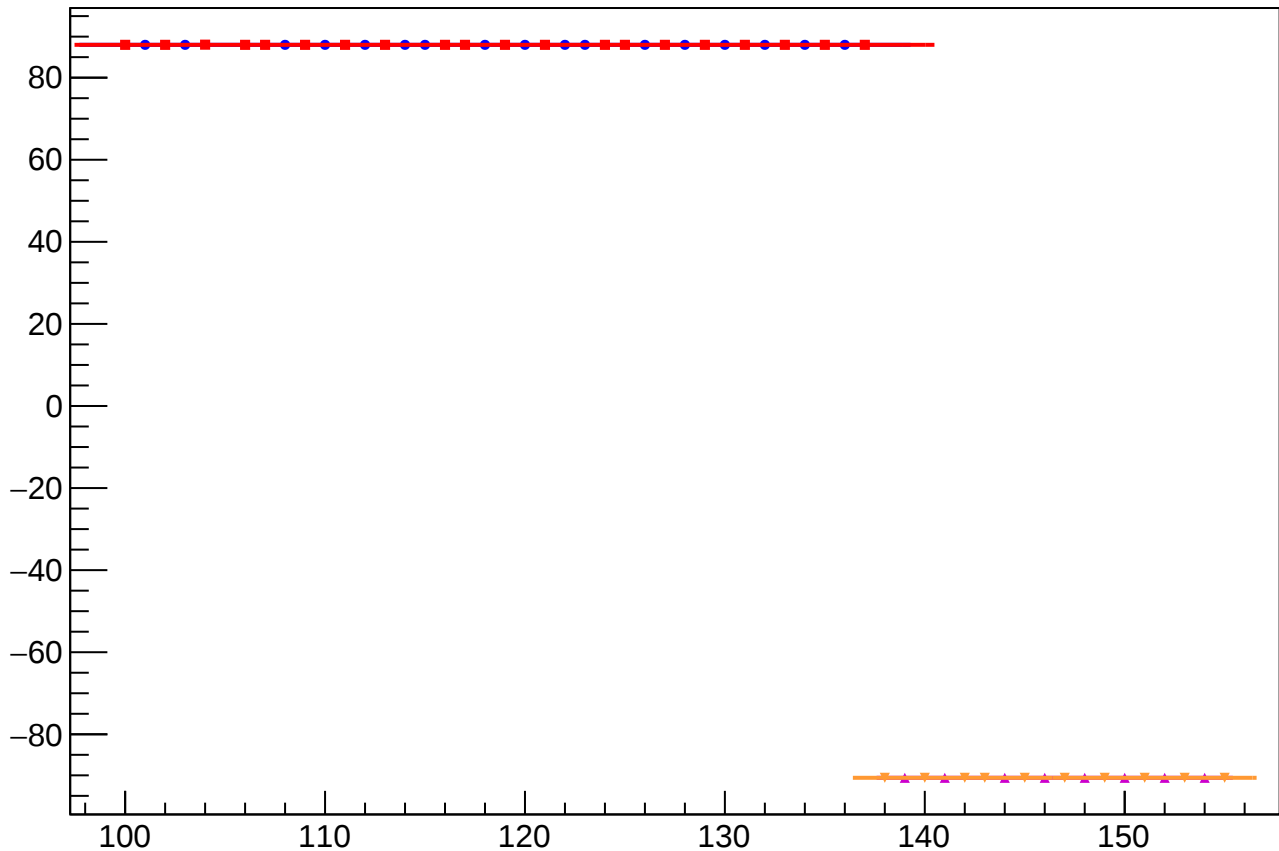
Left In: 0.010 $\pm$ 0.000 χ^2/NDF : 451816.7/7

0.011 $\pm$ 0.000 χ^2/NDF : 2230391.0/26

0.011 $\pm$ 0.000 χ^2/NDF : 4745585.5/54

0.012 $\pm$ 0.000 χ^2/NDF : 2501997.2/27

epics_VWienAngles_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF : 1852068.7/16

Left Out: -90.599+/-0.000 χ^2/NDF : 3264495.8/9

Right Out: 88.004+/-0.000 χ^2/NDF : 77578366411928007427611426816.0/19

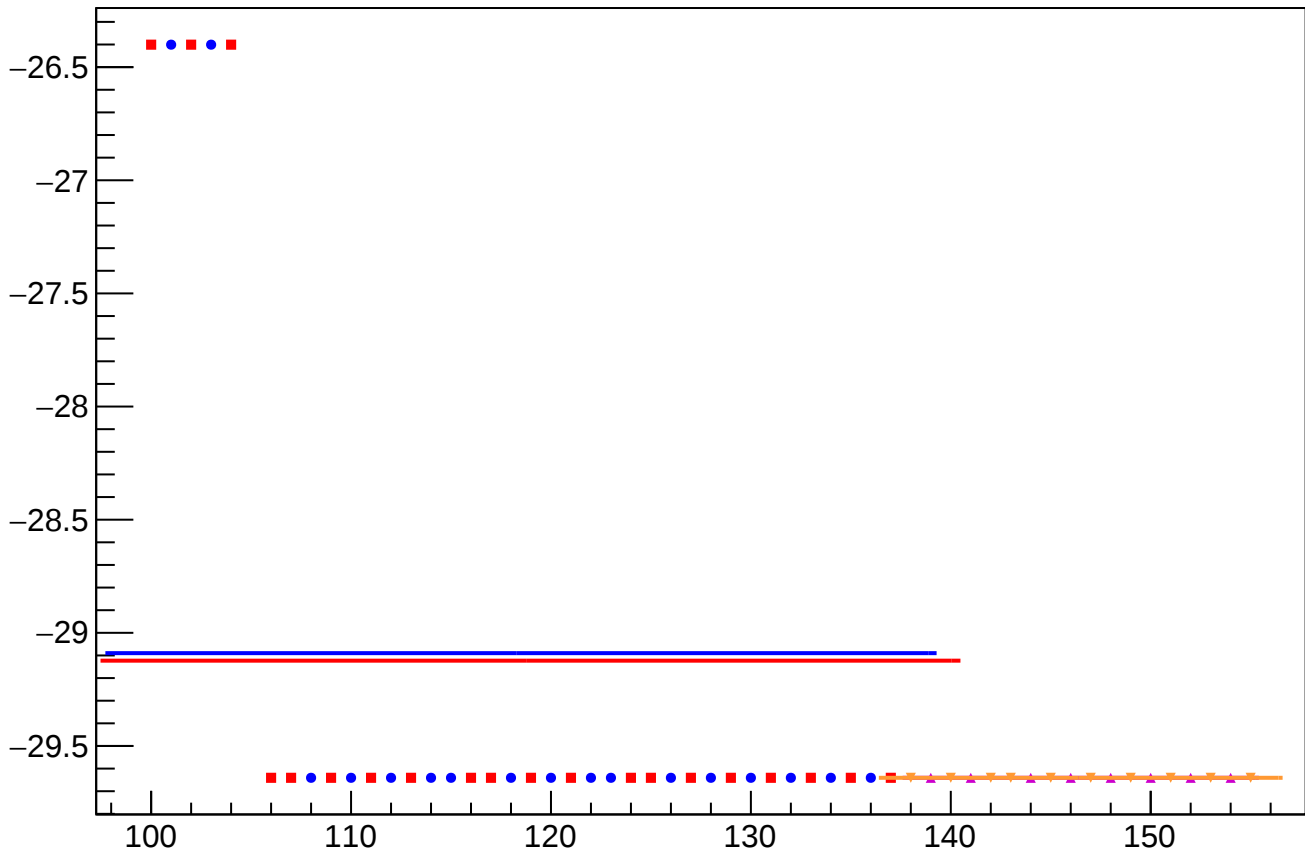
Left In: -90.599+/-0.000 χ^2/NDF : 971573.7/7

-5.235+/-0.000 χ^2/NDF : 115564639489807039

-1.768+/-0.000 χ^2/NDF : 22766910933770

1.821+/-0.000 χ^2/NDF : 1117491810477041164

epics_HWienAngles_mean vs Slug, Sign Corrected



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

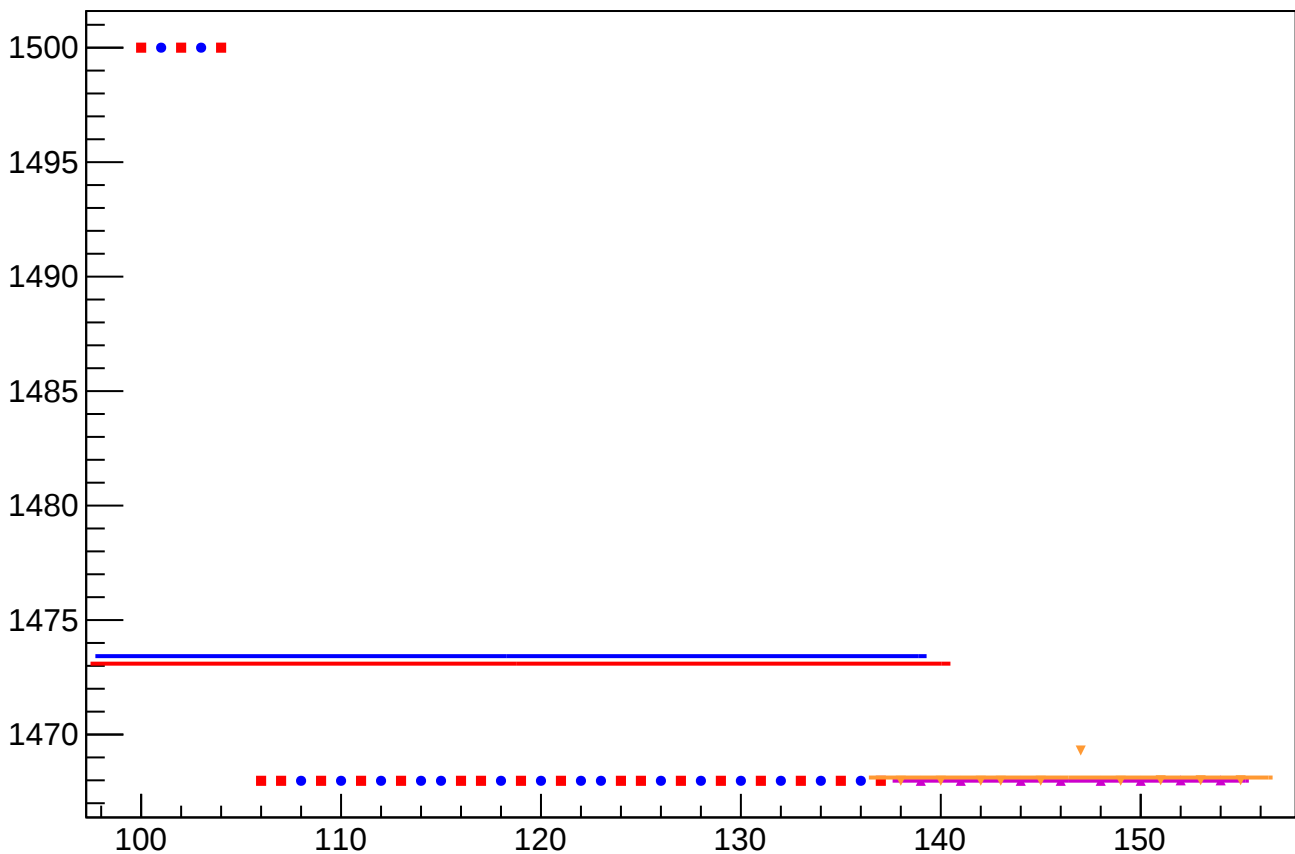
Left In: -29.641+/-0.000 χ^2/NDF :39329.4/7

-29.377+/-0.000 χ^2/NDF : 11380497322313978

-29.375+/-0.000 χ^2/NDF : 225510509506

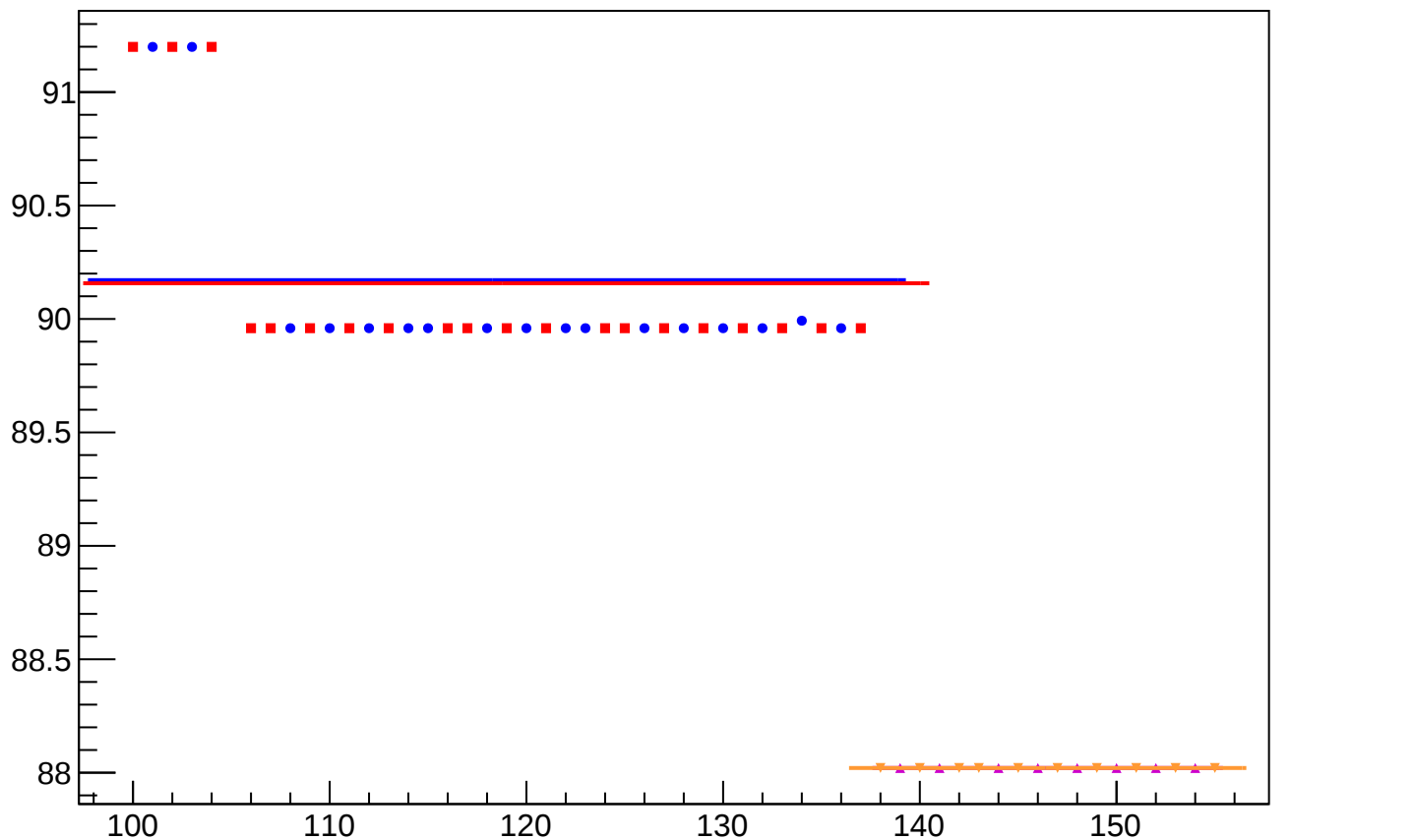
-29.373+/-0.000 χ^2/NDF : 11170404128296361

epics_psub_pl_poss_mean vs Slug, Sign Corrected



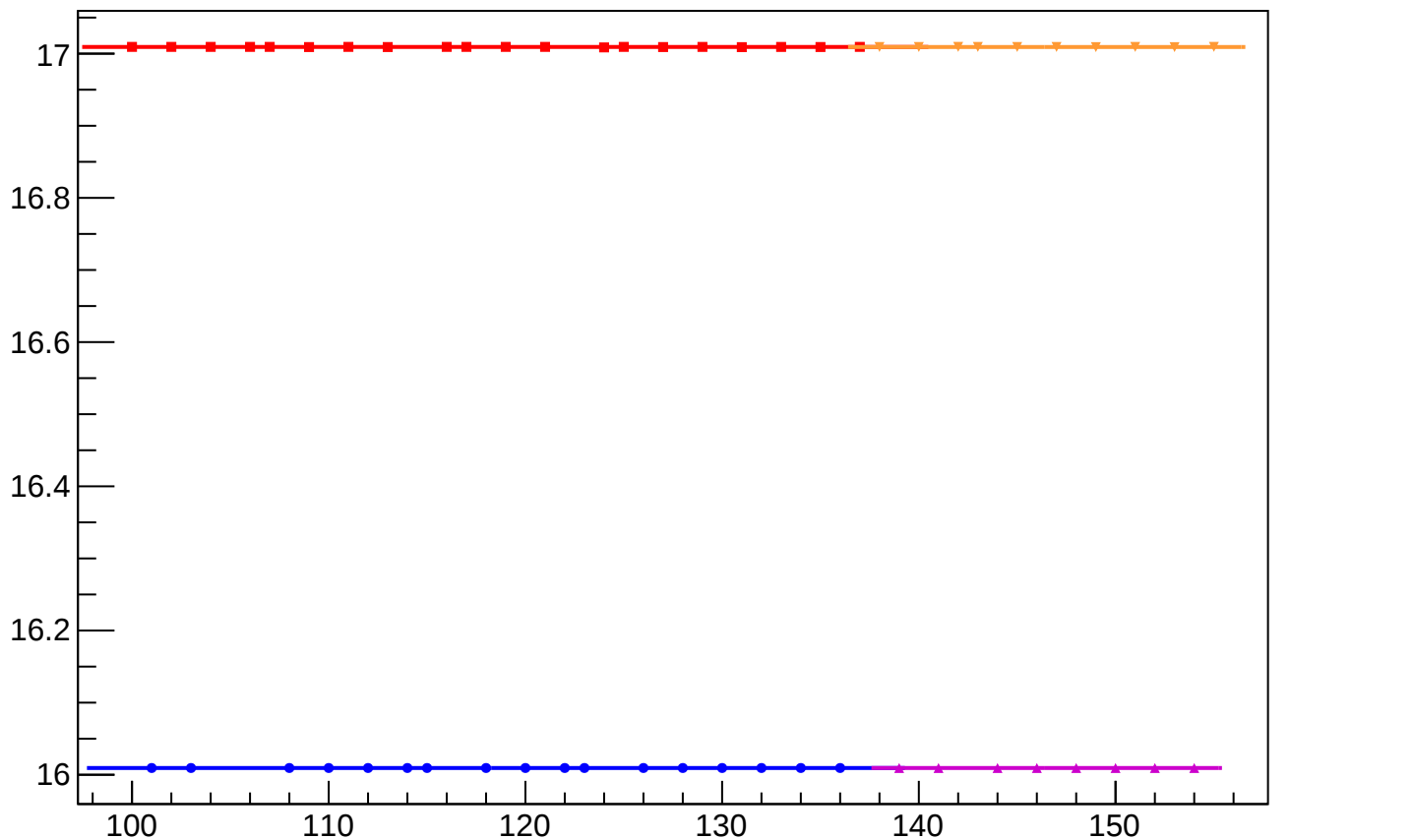
Right In: 1473.424+/-0.000 χ^2/NDF : 100421295828245505125784497044848640.0/16
 Left Out: 1468.122+/-0.000 χ^2/NDF : 121080860142079532627365115985920.0/9
 Right Out: 1473.096+/-0.000 χ^2/NDF : 99938310777099611815298348687032320.0/19
 Left In: 1467.984+/-0.000 χ^2/NDF : 52098079747322590527269896192.0/7

epics_Phi_FGs_mean vs Slug, Sign Corrected



Right In: 90.171 $\pm$ 0.000 χ^2 /NDF: 150316905454500935857801185460224.0/16
 Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 2950668.0/9
 Right Out: 90.157 $\pm$ 0.000 χ^2 /NDF: 149863052341628336344772108091392.0/19
 Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 1236328.1/7

epics_IGL1I00DI24_24Ms_mean vs Slug, Sign Corrected



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

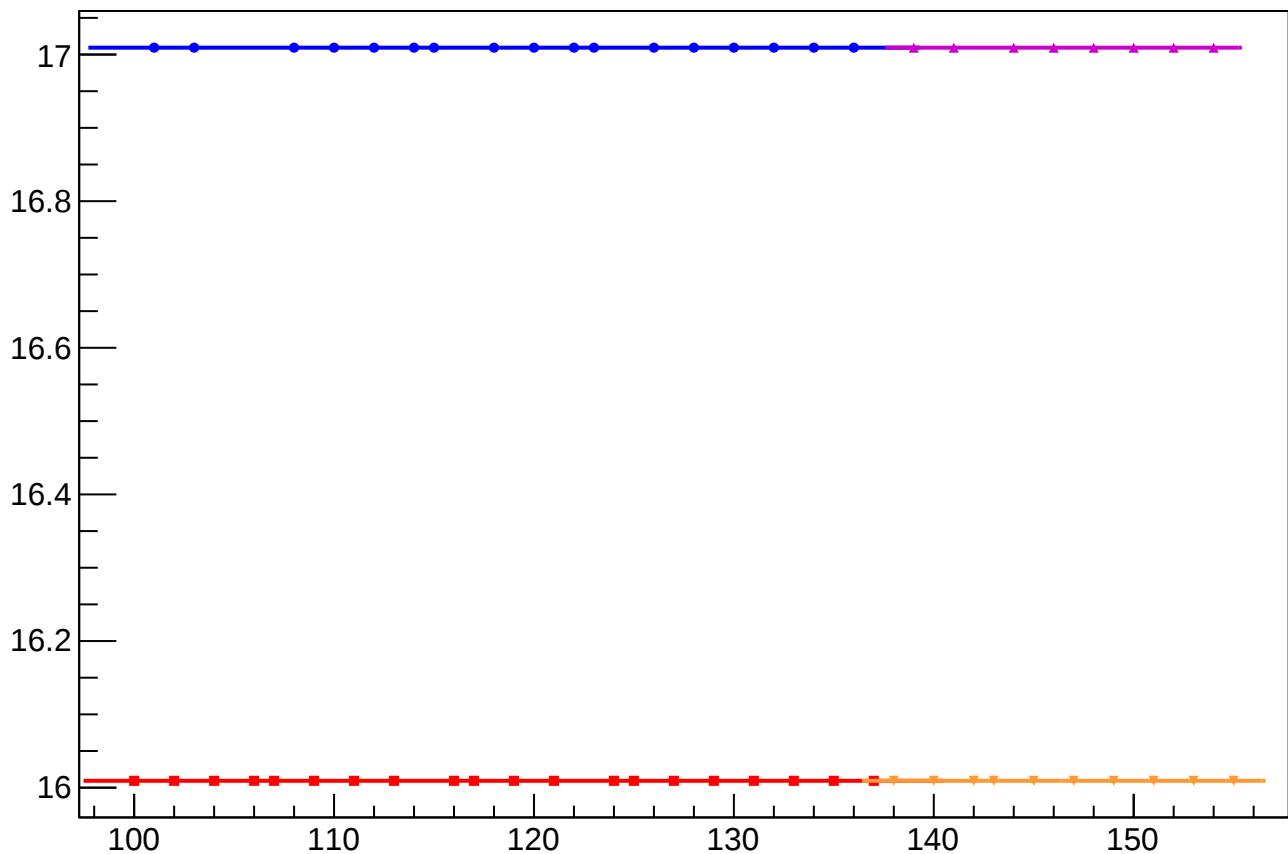
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 25344.5/7

16.516 $\pm$ 0.000 χ^2 /NDF: 335085067305944412

16.515 $\pm$ 0.000 χ^2 /NDF: 6602333454633

16.515 $\pm$ 0.000 χ^2 /NDF: 325148088794001320

epics_IGL1I00OD16_16s_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF : 132629.6/16

Left Out: 16.009+/-0.000 χ^2/NDF : 28941.7/9

Right Out: 16.009+/-0.000 χ^2/NDF : 42750.0/19

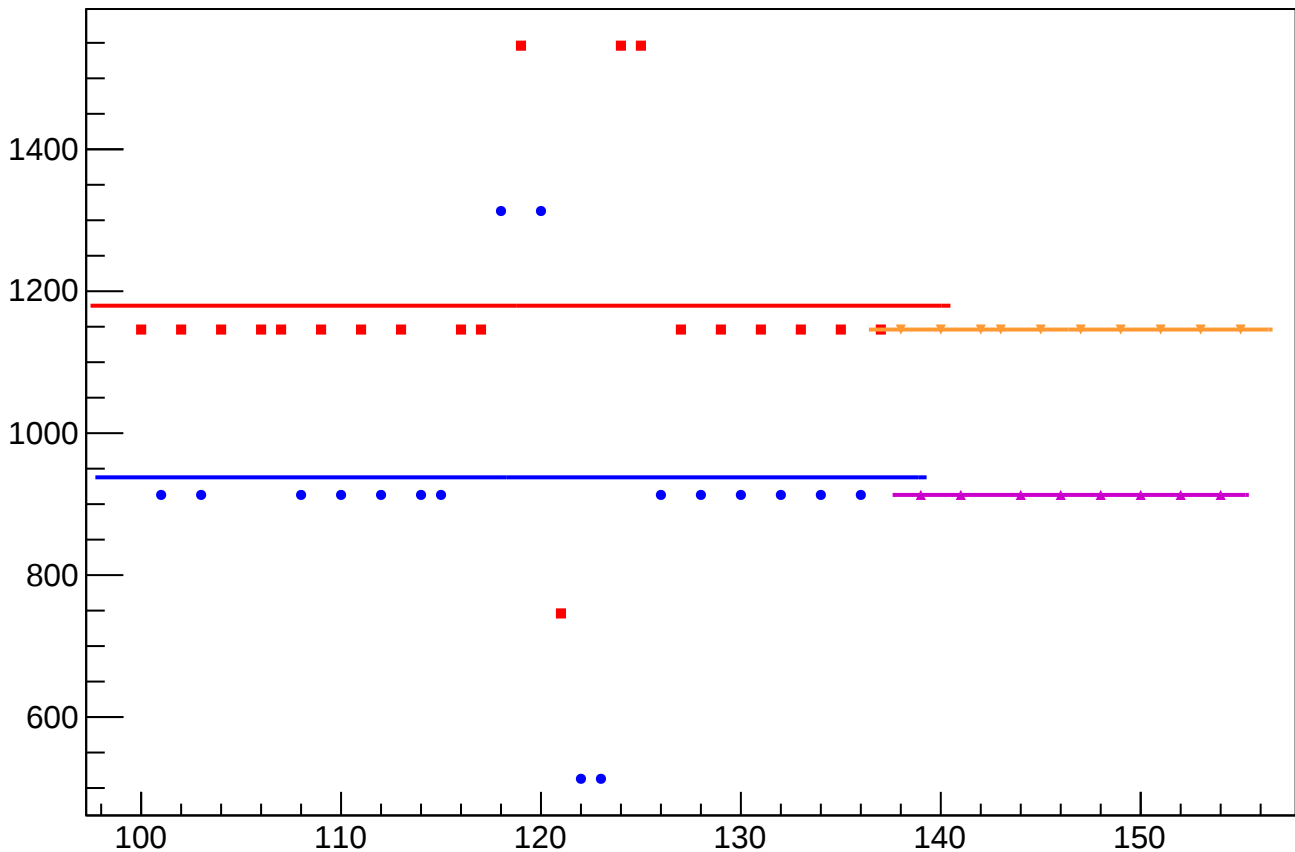
Left In: 17.009+/-0.000 χ^2/NDF : 11044.1/7

16.478+/-0.000 χ^2/NDF : 351628895184130940

16.486+/-0.000 χ^2/NDF : 7004953703703

16.494+/-0.000 χ^2/NDF : 34868409742117235

epics_RTPAPOSUCNTs_mean vs Slug, Sign Corrected



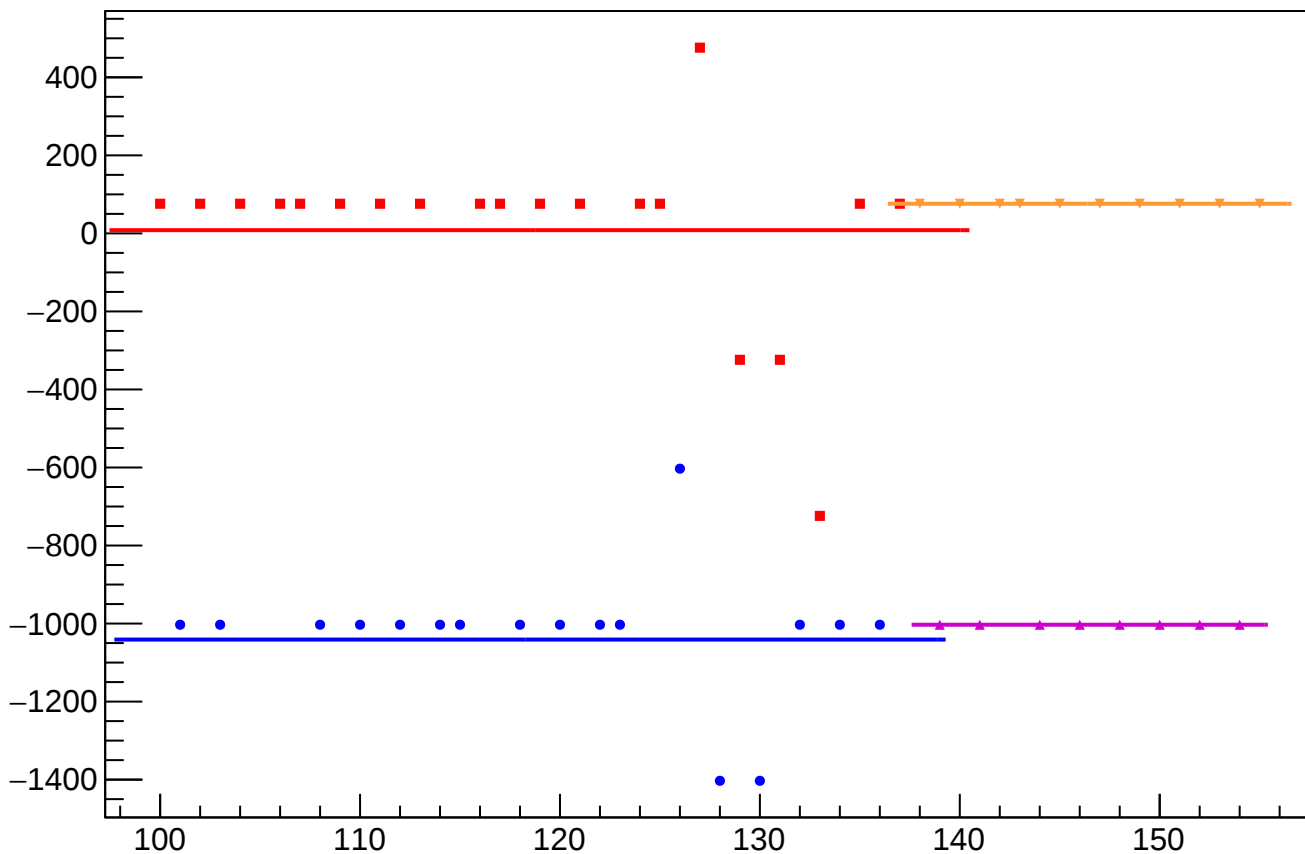
Right In: 937.779+/-0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

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, Sign Corrected



Right In: -1041.030+/-0.000 χ^2/NDF : 22675401109943882512554797113855180800.0/16

Left Out: 76.011+/-0.000 χ^2/NDF : 2999609124876786285613678592.0/9

Right Out: 8.240+/-0.000 χ^2/NDF : 43865391744972338137265798243810279424.0/19

Left In: -1002.989+/-0.000 χ^2/NDF : 1046062123918308618941759488.0/7