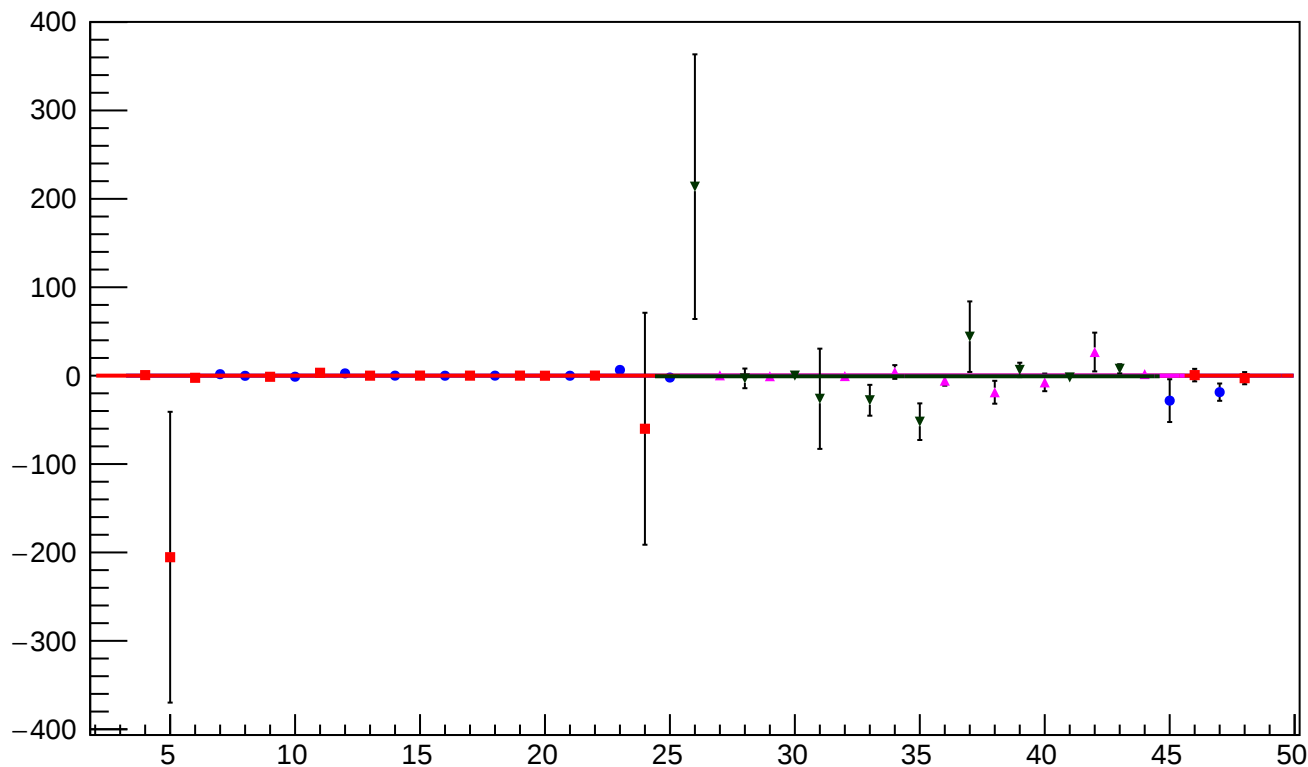


diff_cav4bX_mean vs slug



Right In: -0.014+/-0.014

Left Out: -0.705+/-1.554

Right Out: 0.017+/-0.016

Left In: -0.086+/-0.168

χ^2 /NDF: 23.0/11

χ^2 /NDF: 16.1/9

χ^2 /NDF: 19.5/13

χ^2 /NDF: 15.5/8

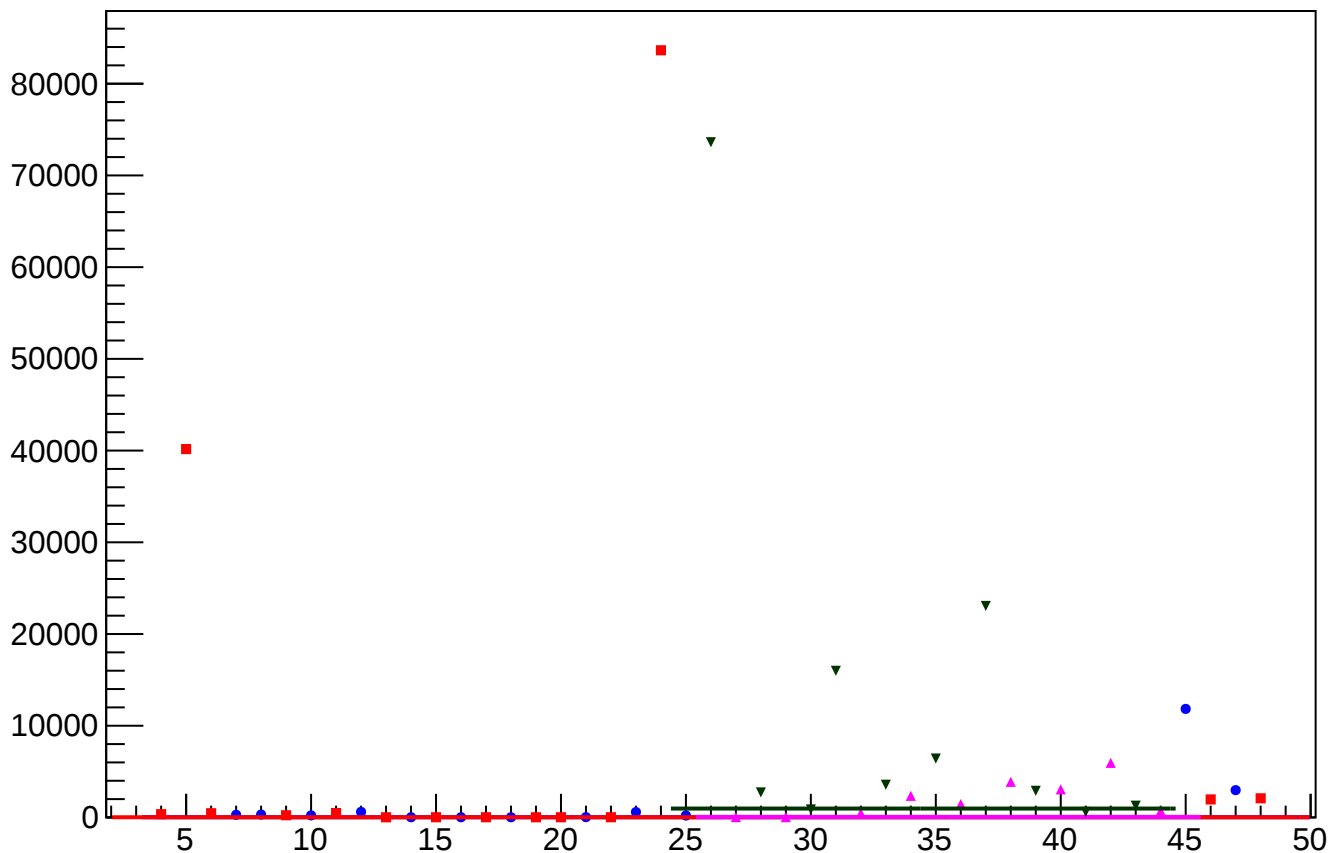
-0.014+/-0.014

0.016+/-0.016

χ^2 /NDF: 39.2/21

χ^2 /NDF: 35.4/22

diff_cav4bX_rms vs slug



Right In: 22.409+/-0.010 χ^2/NDF : 1429857.2/11

Left Out: 971.291+/-1.099 χ^2/NDF :1644176.9/9

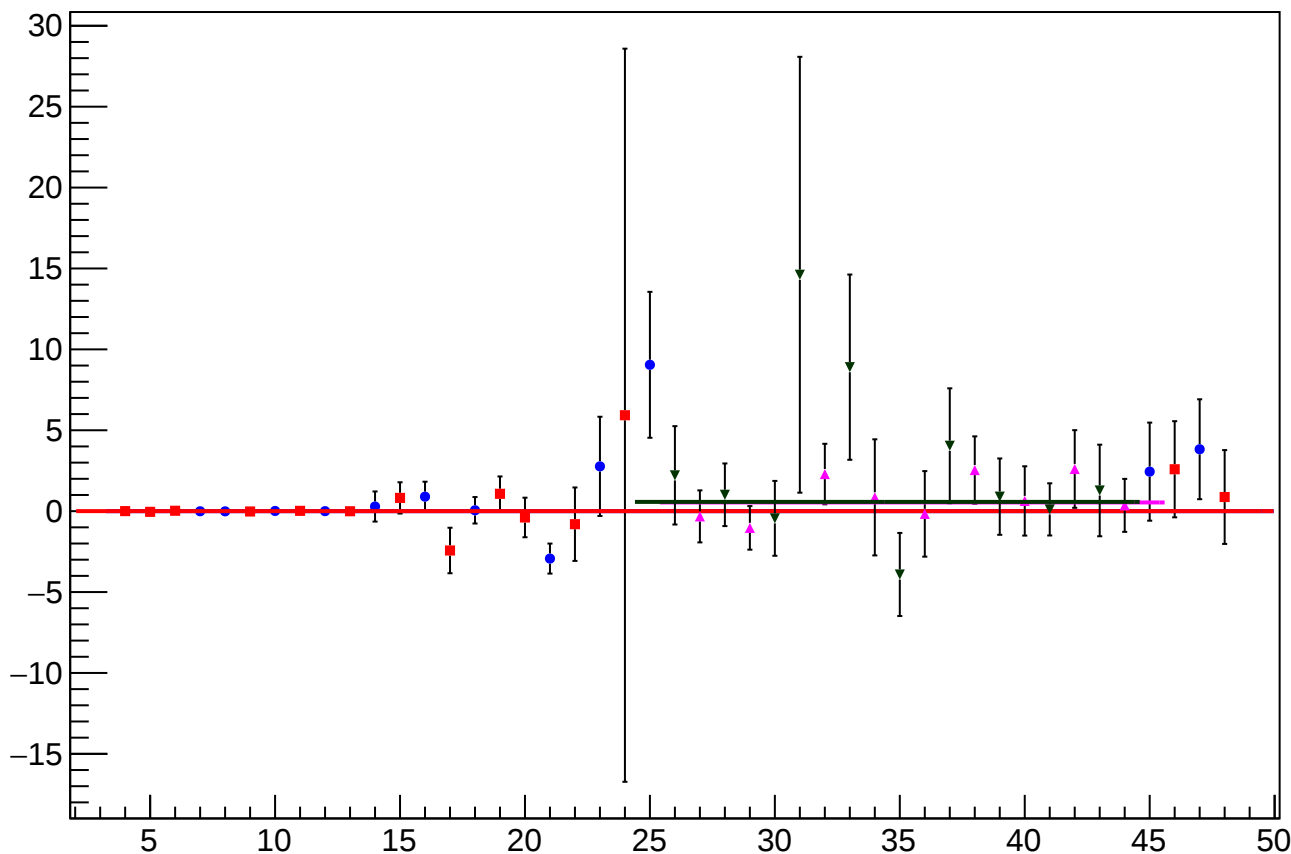
Right Out: 22.597+/-0.011 χ^2/NDF : 1741636.4/13

Left In: 61.510+/-0.119 χ^2/NDF :1572648.7/8

22.490+/-0.010 χ^2/NDF : 3819944.1/21

22.952+/-0.011 χ^2/NDF : 3420333.5/22

diff_cav4bY_mean vs slug



Right In: -0.001 ± 0.006 χ^2/NDF : 20.4/11

Left Out: 0.573 ± 0.812 χ^2/NDF : 7.9/9

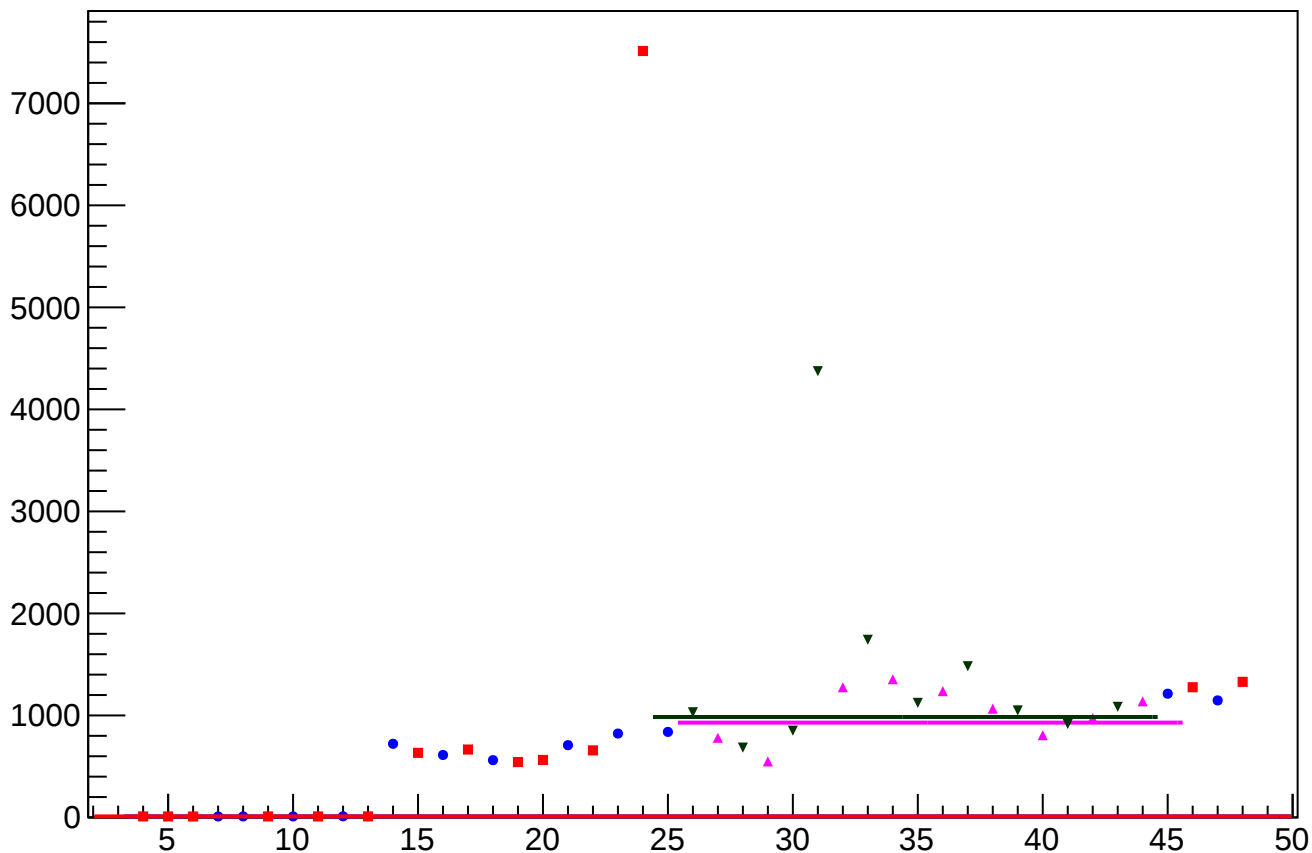
Right Out: 0.002 ± 0.005 χ^2/NDF : 17.8/13

Left In: 0.538 ± 0.640 χ^2/NDF : 4.3/8

-0.001 ± 0.006 χ^2/NDF : 28.8/21

0.002 ± 0.005 χ^2/NDF : 22.8/22

diff_cav4bY_rms vs slug



Right In: 10.500+/-0.005 χ^2 /NDF: 4863866.7/11

Left Out: 984.552+/-0.574 χ^2 /NDF: 269608.6/9

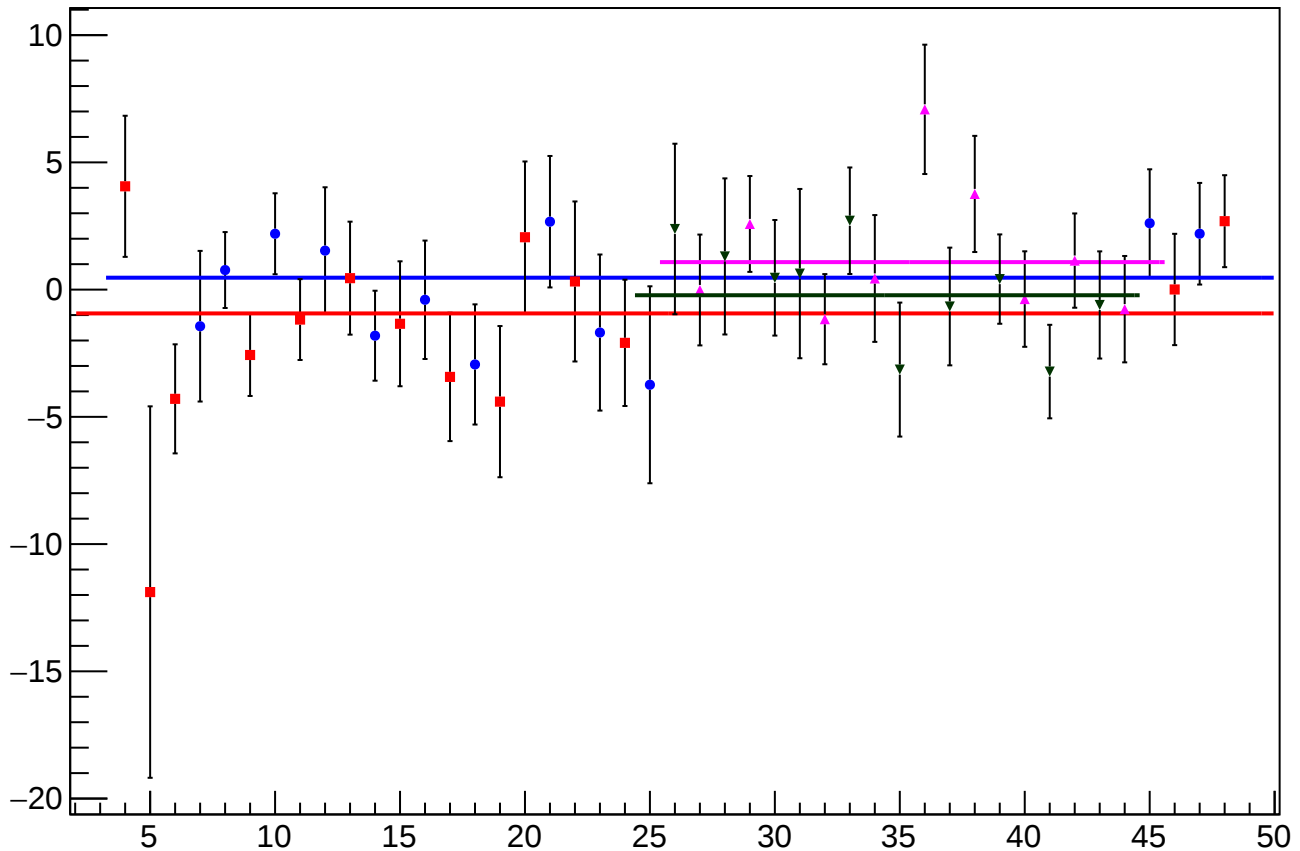
Right Out: 10.083+/-0.004 χ^2 /NDF: 3340185.0/13

Left In: 929.625+/-0.453 χ^2 /NDF: 348934.3/8

10.562+/-0.005 χ^2 /NDF: 8014024.1/21

10.150+/-0.004 χ^2 /NDF: 7815344.6/22

diff_cav4cX_mean vs slug



Right In: 0.468 ± 0.620 χ^2/NDF : 9.9/11

Left Out: -0.221 ± 0.728 χ^2/NDF : 7.1/9

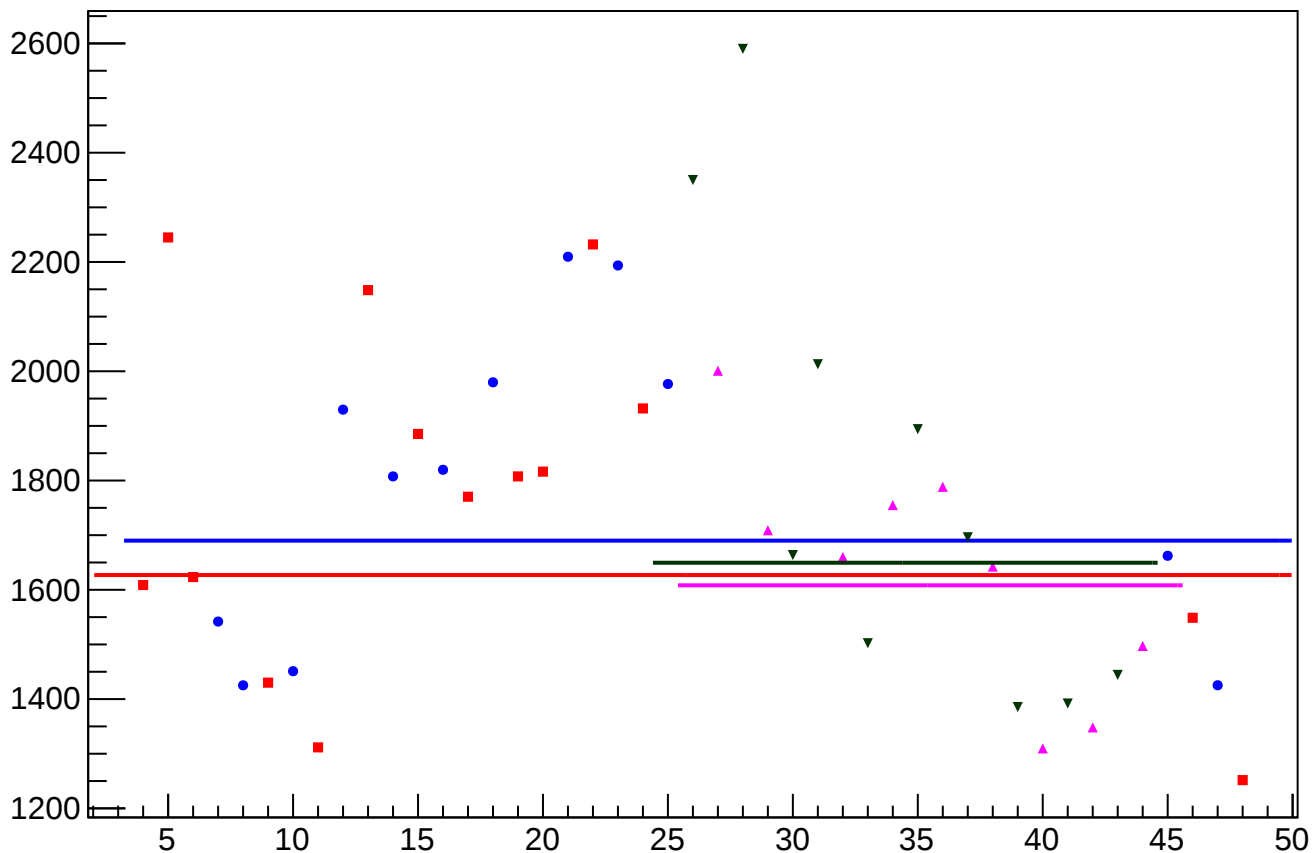
Right Out: -0.935 ± 0.611 χ^2/NDF : 17.4/13

Left In: 1.080 ± 0.686 χ^2/NDF : 10.9/8

0.179 ± 0.472 χ^2/NDF : 17.5/21

-0.044 ± 0.456 χ^2/NDF : 33.1/22

diff_cav4cX_rms vs slug



Right In: 1689.998 $\pm$ 0.438 χ^2 /NDF: 358145.5/11

Left Out: 1649.544 $\pm$ 0.515 χ^2 /NDF: 430962.0/9

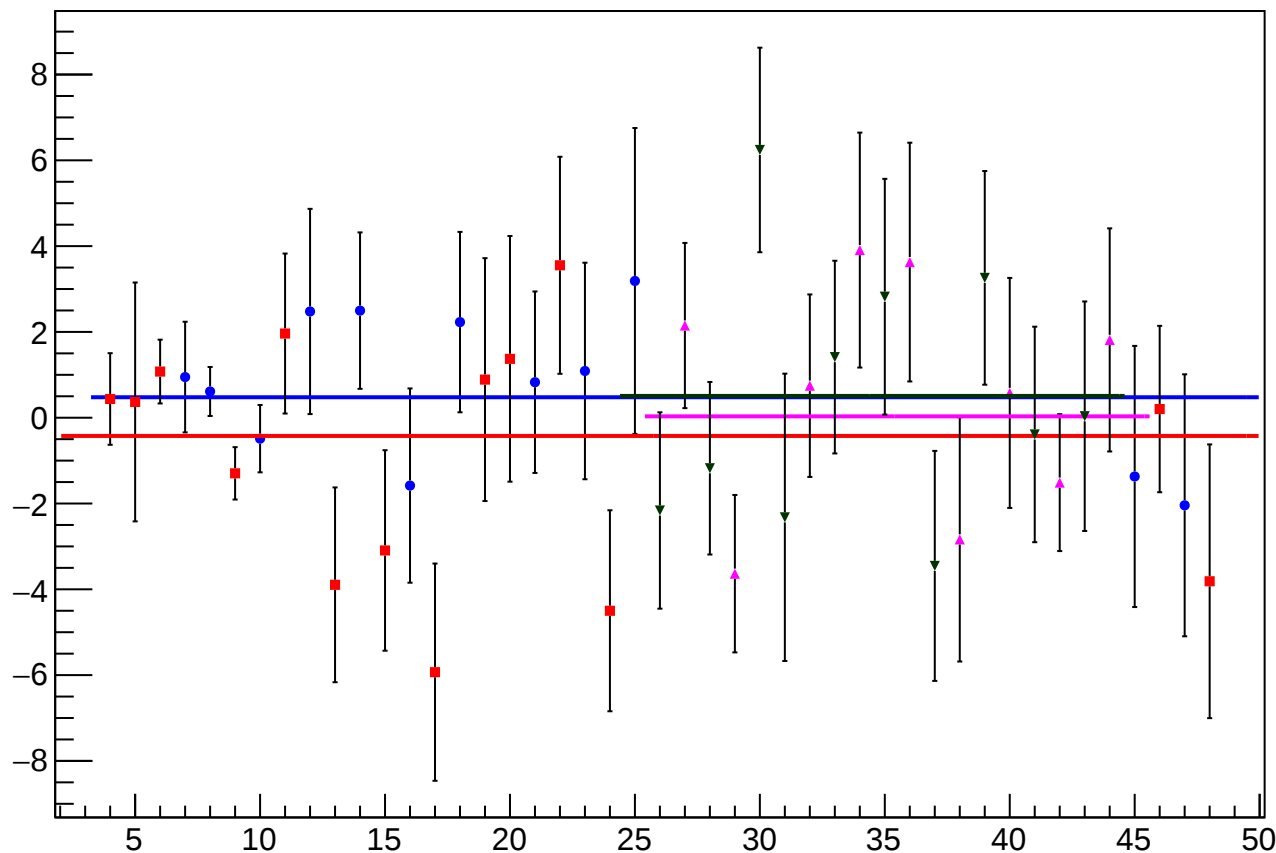
Right Out: 1626.992 $\pm$ 0.432 χ^2 /NDF: 470724.3/13

Left In: 1608.232 $\pm$ 0.485 χ^2 /NDF: 185602.9/8

1672.996 $\pm$ 0.334 χ^2 /NDF: 792684.7/21

1618.698 $\pm$ 0.323 χ^2 /NDF: 657161.0/22

diff_cav4cY_mean vs slug



Right In: 0.477 ± 0.382 χ^2/NDF : 6.9/11

Left Out: 0.508 ± 0.783 χ^2/NDF : 13.0/9

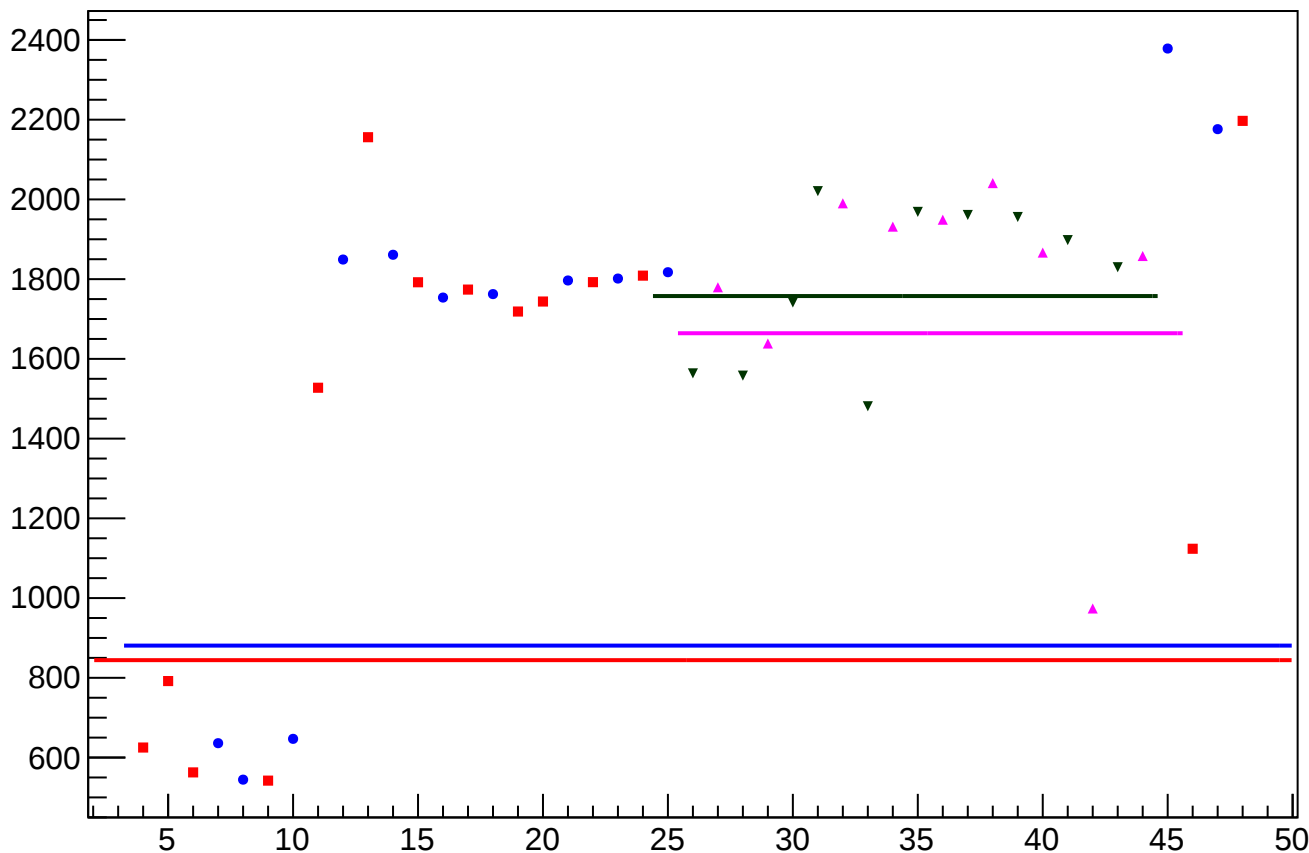
Right Out: -0.425 ± 0.371 χ^2/NDF : 24.2/13

Left In: 0.032 ± 0.735 χ^2/NDF : 11.5/8

0.483 ± 0.343 χ^2/NDF : 19.9/21

-0.332 ± 0.331 χ^2/NDF : 36.0/22

diff_cav4cY_rms vs slug



Right In: 880.798+/-0.270 χ^2/NDF : 4121105.1/11

Left Out: 1757.602+/-0.553 χ^2/NDF :120517.6/9

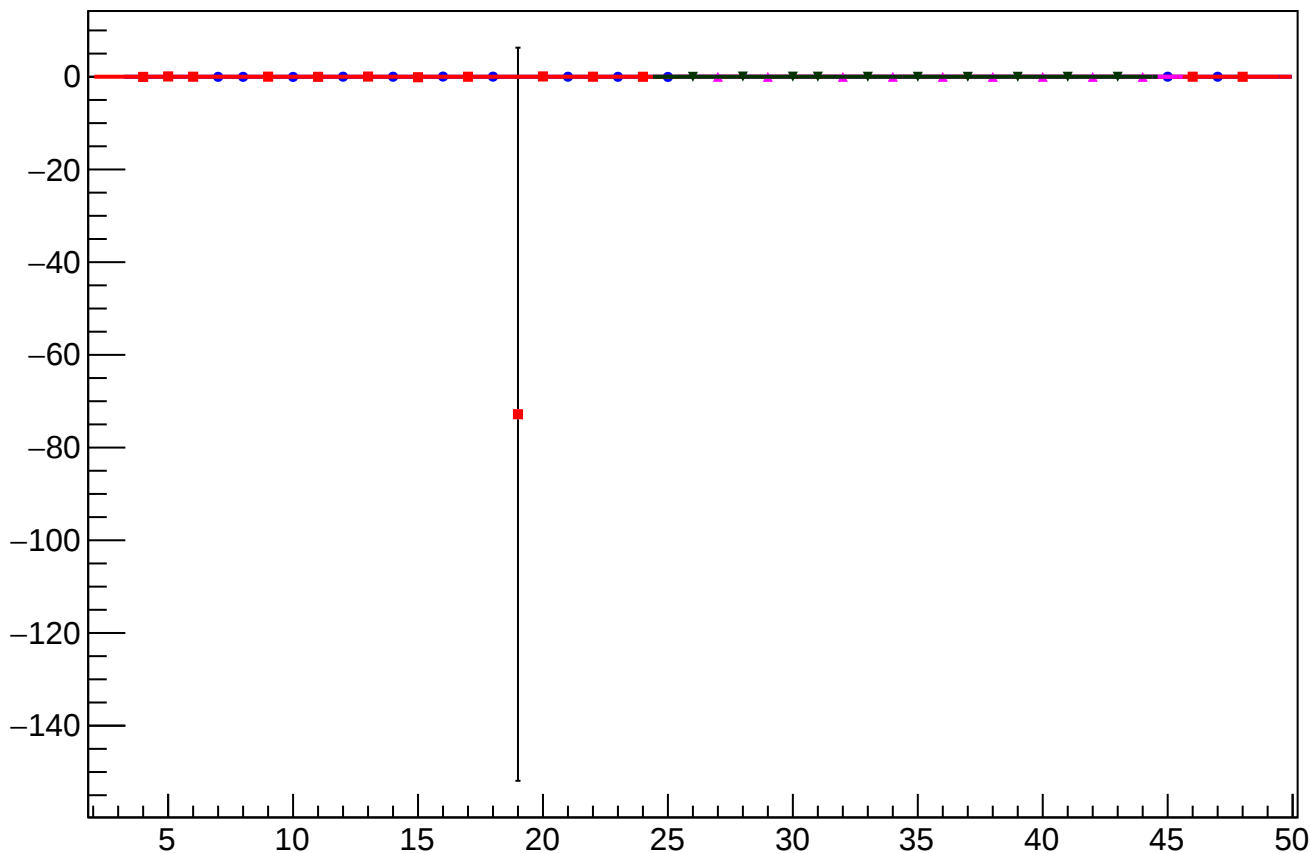
Right Out: 844.296+/-0.262 χ^2/NDF : 3805935.0/13

Left In: 1664.321+/-0.519 χ^2/NDF :526488.2/8

1049.349+/-0.243 χ^2/NDF : 6269405.6/21

1010.892+/-0.234 χ^2/NDF : 6318660.2/22

diff_cav4dX_mean vs slug



Right In: 0.003 $\pm$ 0.006 χ^2 /NDF: 8.3/11

Left Out: 0.001 $\pm$ 0.004 χ^2 /NDF: 8.6/9

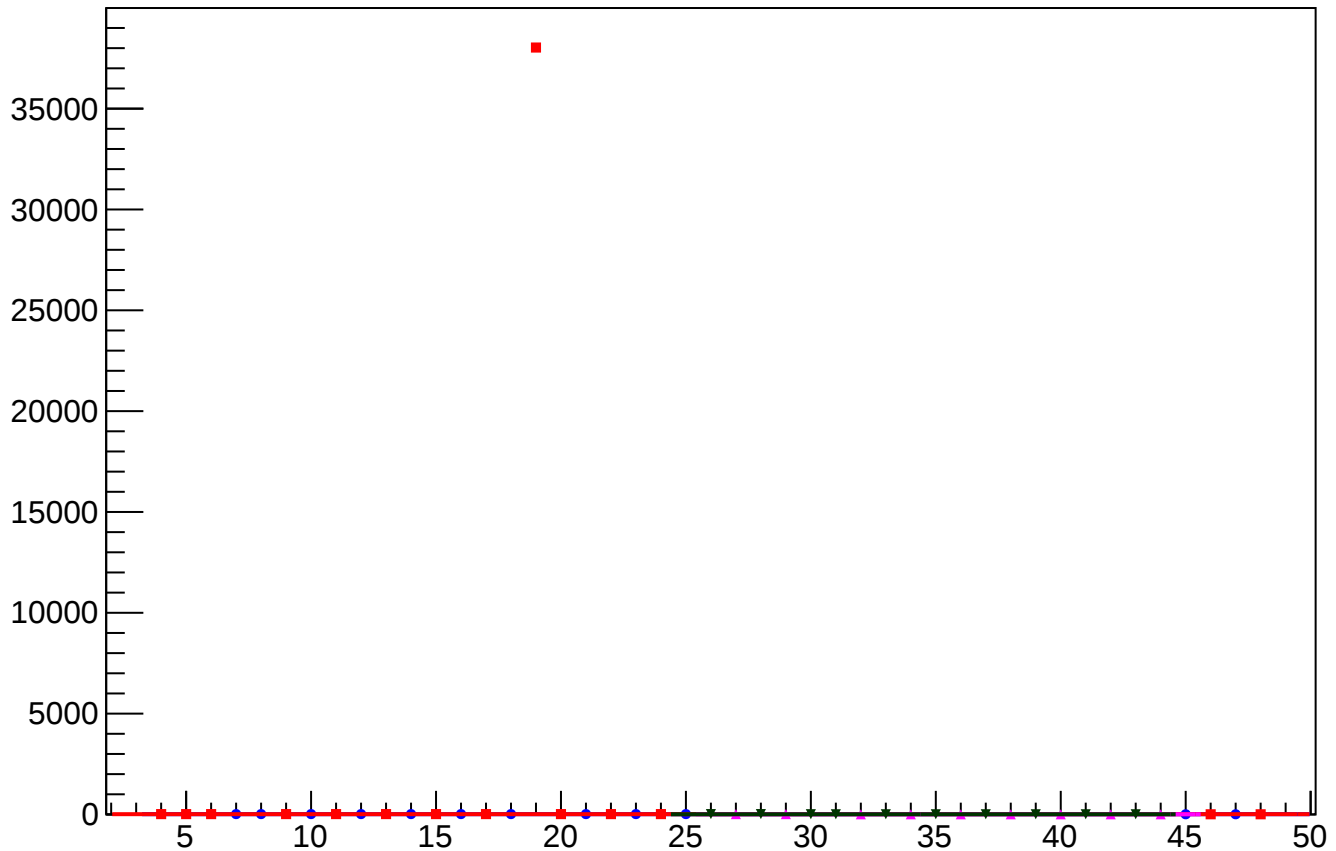
Right Out: 0.008 $\pm$ 0.006 χ^2 /NDF: 12.3/13

Left In: -0.003 $\pm$ 0.004 χ^2 /NDF: 1.2/8

0.002 $\pm$ 0.003 χ^2 /NDF: 17.1/21

0.000 $\pm$ 0.003 χ^2 /NDF: 16.0/22

diff_cav4dX_rms vs slug



Right In: 13.426 $\pm$ 0.004 χ^2 /NDF: 1156839.4/11

Left Out: 9.339 $\pm$ 0.003 χ^2 /NDF: 592494.4/9

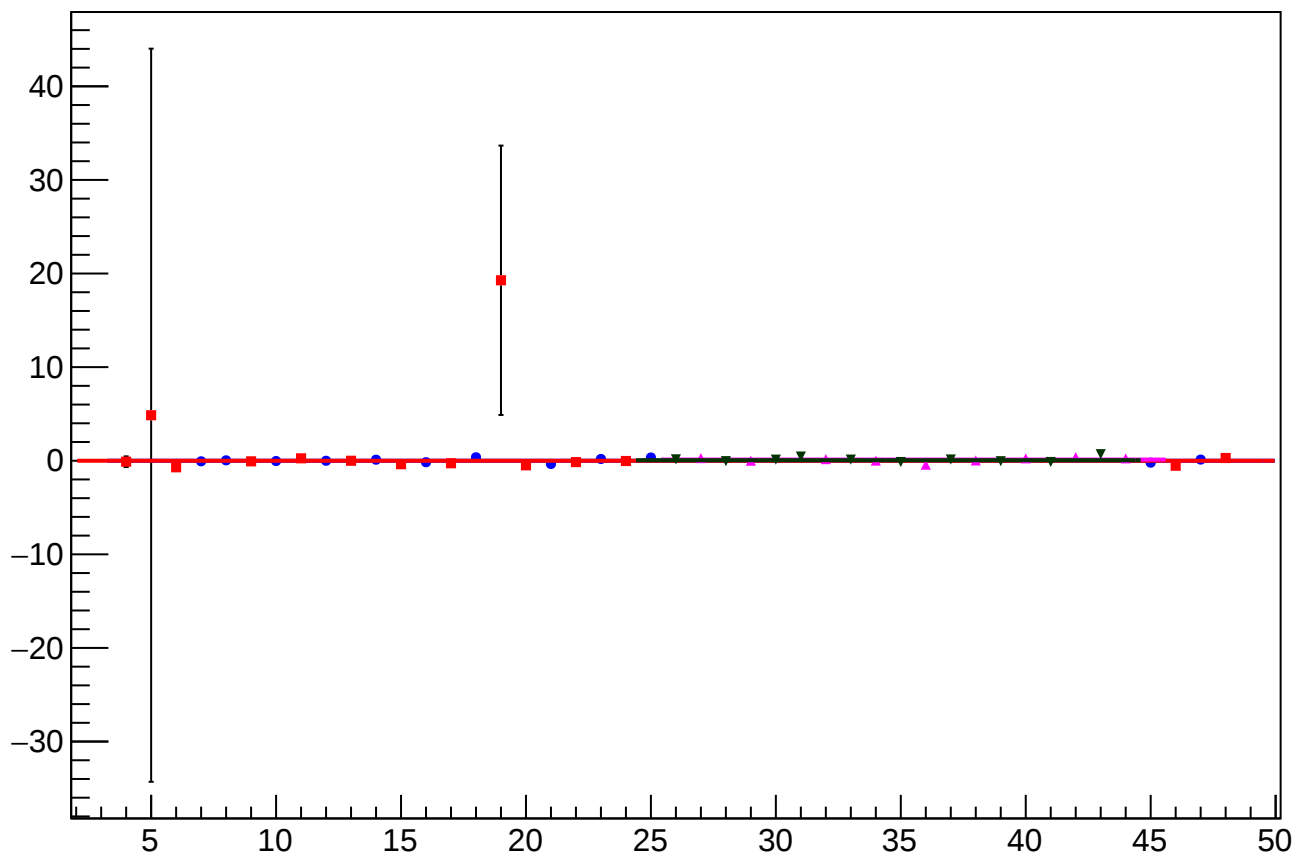
Right Out: 13.753 $\pm$ 0.004 χ^2 /NDF: 1522942.2/13

Left In: 9.359 $\pm$ 0.003 χ^2 /NDF: 755521.7/8

10.764 $\pm$ 0.002 χ^2 /NDF: 2402927.1/21

10.763 $\pm$ 0.002 χ^2 /NDF: 3004552.3/22

diff_cav4dY_mean vs slug



Right In: -0.003 ± 0.003 χ^2/NDF : 16.5/11

Left Out: 0.055 ± 0.058 χ^2/NDF : 11.5/9

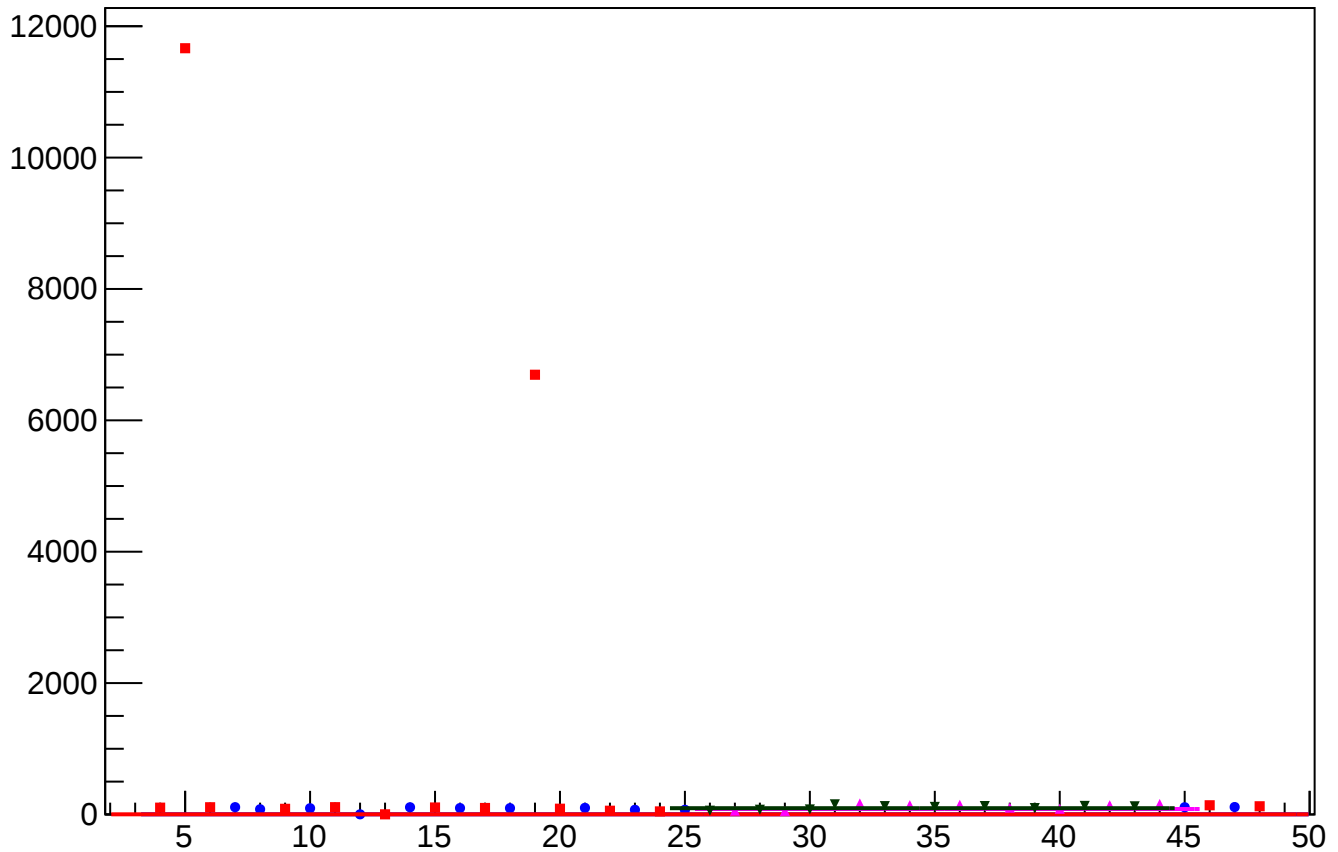
Right Out: -0.003 ± 0.003 χ^2/NDF : 16.3/13

Left In: 0.127 ± 0.053 χ^2/NDF : 9.8/8

-0.003 ± 0.003 χ^2/NDF : 29.1/21

-0.002 ± 0.003 χ^2/NDF : 31.9/22

diff_cav4dY_rms vs slug



Right In: 2.188+/-0.002 χ^2/NDF : 7076380.5/11

Left Out: 95.280+/-0.041 χ^2/NDF : 442454.1/9

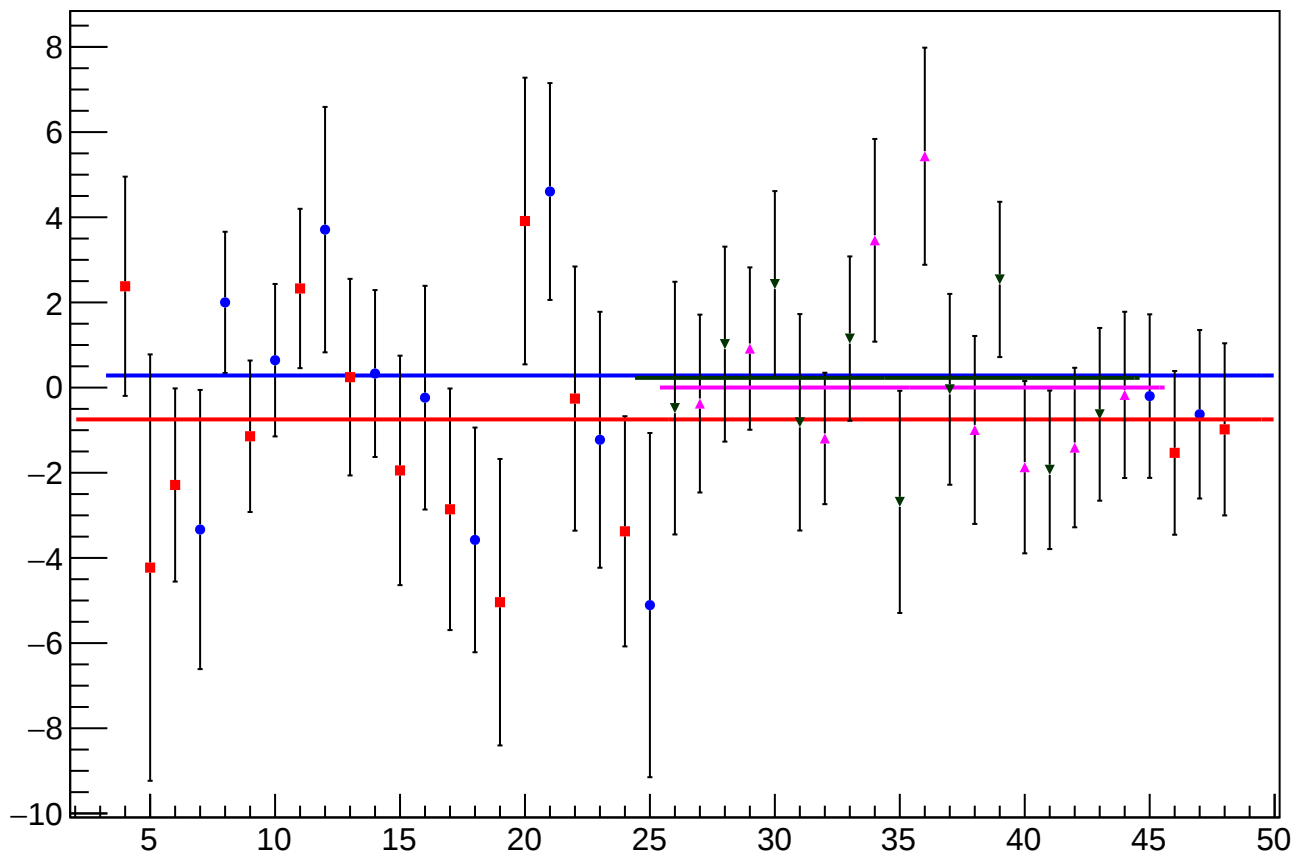
Right Out: 2.087+/-0.002 χ^2/NDF : 5086959.7/13

Left In: 82.887+/-0.038 χ^2/NDF : 1078939.0/8

2.449+/-0.002 χ^2/NDF : 12656538.9/21

2.346+/-0.002 χ^2/NDF : 10750915.3/22

diff_bpm4aX_mean vs slug



Right In: 0.284 ± 0.661 χ^2/NDF : 11.1/11

Left Out: 0.229 ± 0.687 χ^2/NDF : 6.0/9

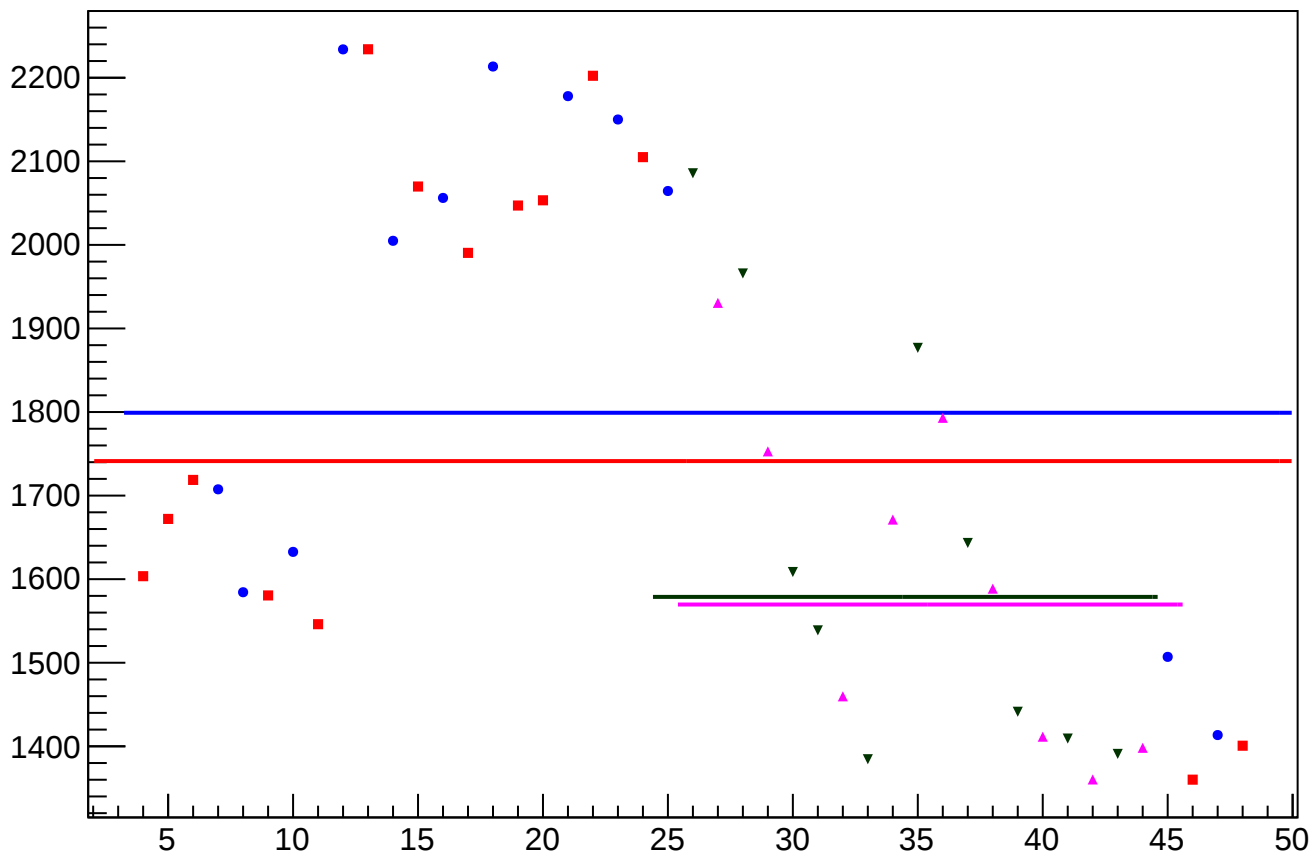
Right Out: -0.747 ± 0.650 χ^2/NDF : 10.8/13

Left In: 0.002 ± 0.666 χ^2/NDF : 9.1/8

0.258 ± 0.476 χ^2/NDF : 17.1/21

-0.382 ± 0.465 χ^2/NDF : 20.6/22

diff_bpm4aX_rms vs slug



Right In: 1799.115+/-0.467 χ^2/NDF : 390899.4/11

Left Out: 1578.790+/-0.486 χ^2/NDF : 209553.9/9

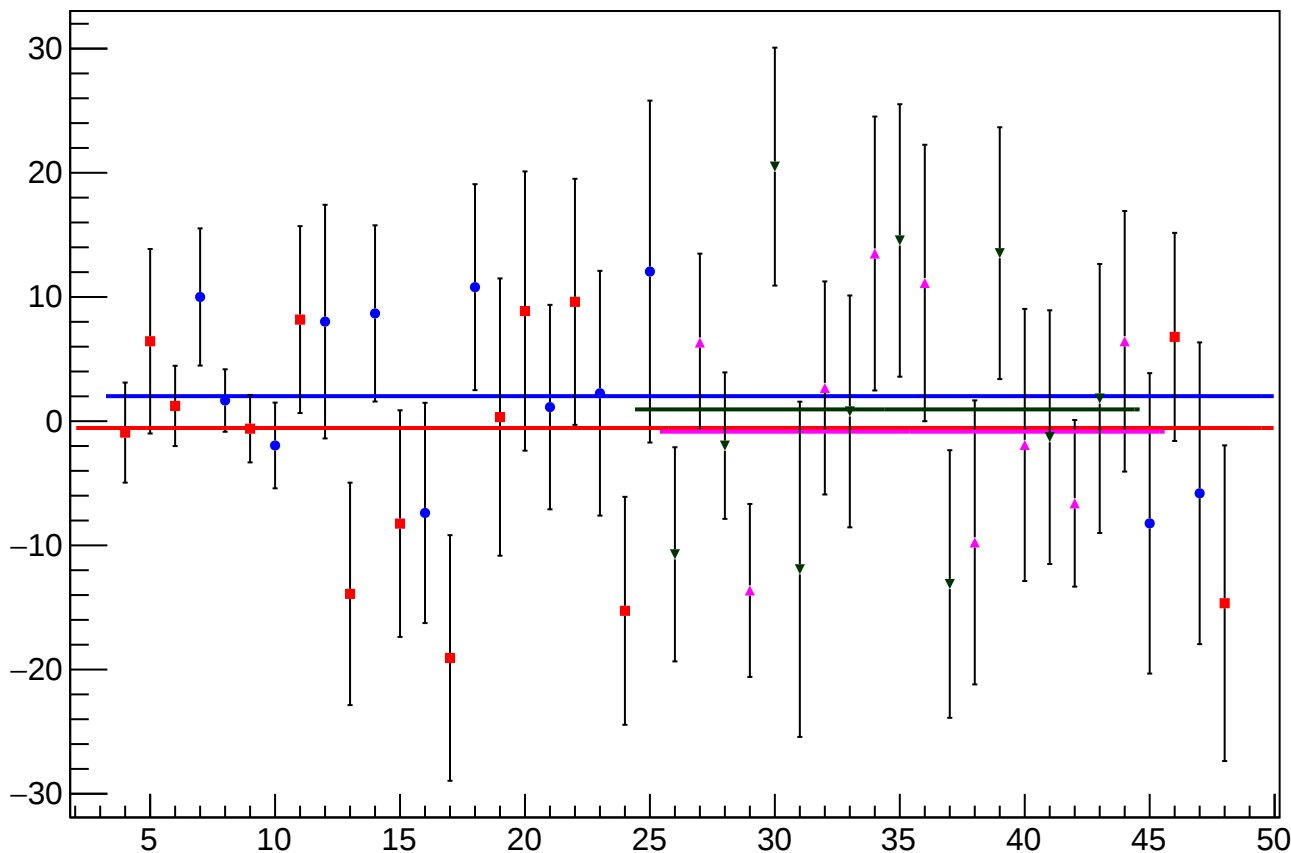
Right Out: 1741.296+/-0.459 χ^2/NDF : 430283.0/13

Left In: 1569.664+/-0.471 χ^2/NDF : 160150.1/8

1693.323+/-0.337 χ^2/NDF : 707253.8/21

1657.667+/-0.329 χ^2/NDF : 658453.4/22

diff_bpm4aY_mean vs slug



Right In: 2.015 ± 1.628 χ^2/NDF : 8.6/11

Left Out: 0.949 ± 2.951 χ^2/NDF : 12.0/9

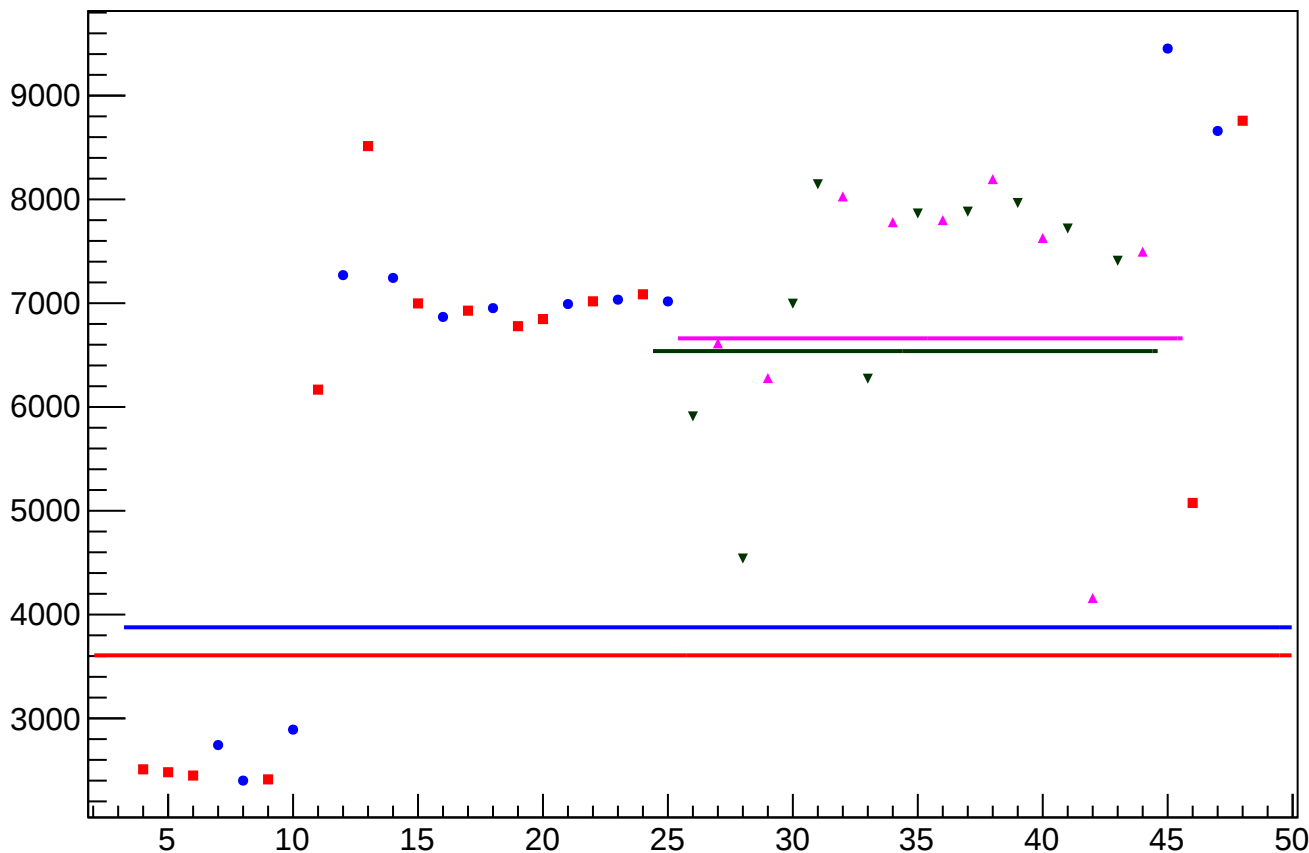
1.767 ± 1.426 χ^2/NDF : 20.7/21

Right Out: -0.549 ± 1.540 χ^2/NDF : 15.3/13

-0.614 ± 1.362 χ^2/NDF : 24.6/22

Left In: -0.846 ± 2.920 χ^2/NDF : 9.2/8

diff_bpm4aY_rms vs slug



Right In: 3877.211+/-1.151 χ^2/NDF : 3480837.1/11

Left Out: 6538.498+/-2.087 χ^2/NDF : 414494.7/9

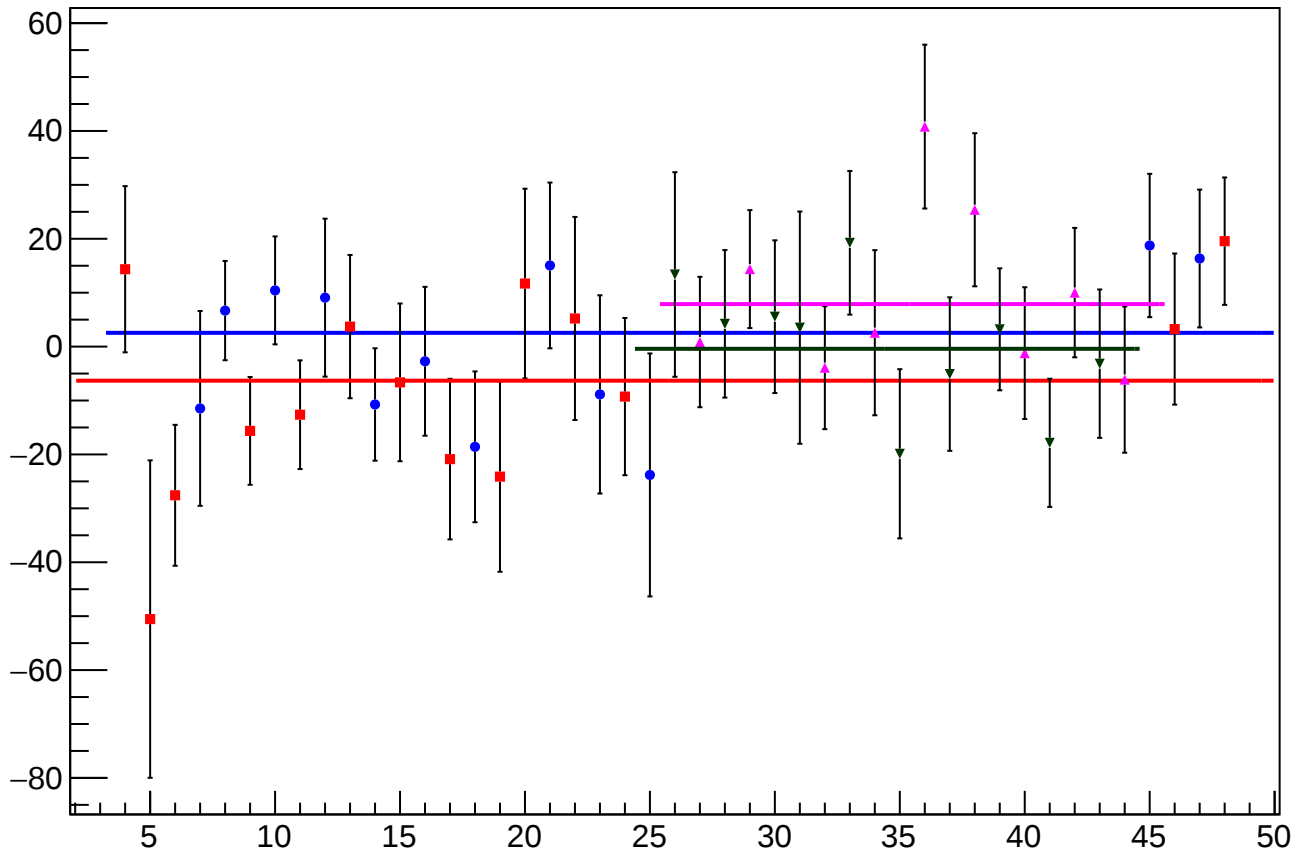
Right Out: 3607.022+/-1.089 χ^2/NDF : 3413957.3/13

Left In: 6661.262+/-2.064 χ^2/NDF : 440852.9/8

4498.270+/-1.008 χ^2/NDF : 5142320.2/21

4271.553+/-0.963 χ^2/NDF : 5567339.1/22

diff_bpm4eX_mean vs slug



Right In: 2.555 ± 3.780 χ^2/NDF : 10.7/11

Left Out: -0.408 ± 4.470 χ^2/NDF : 7.0/9

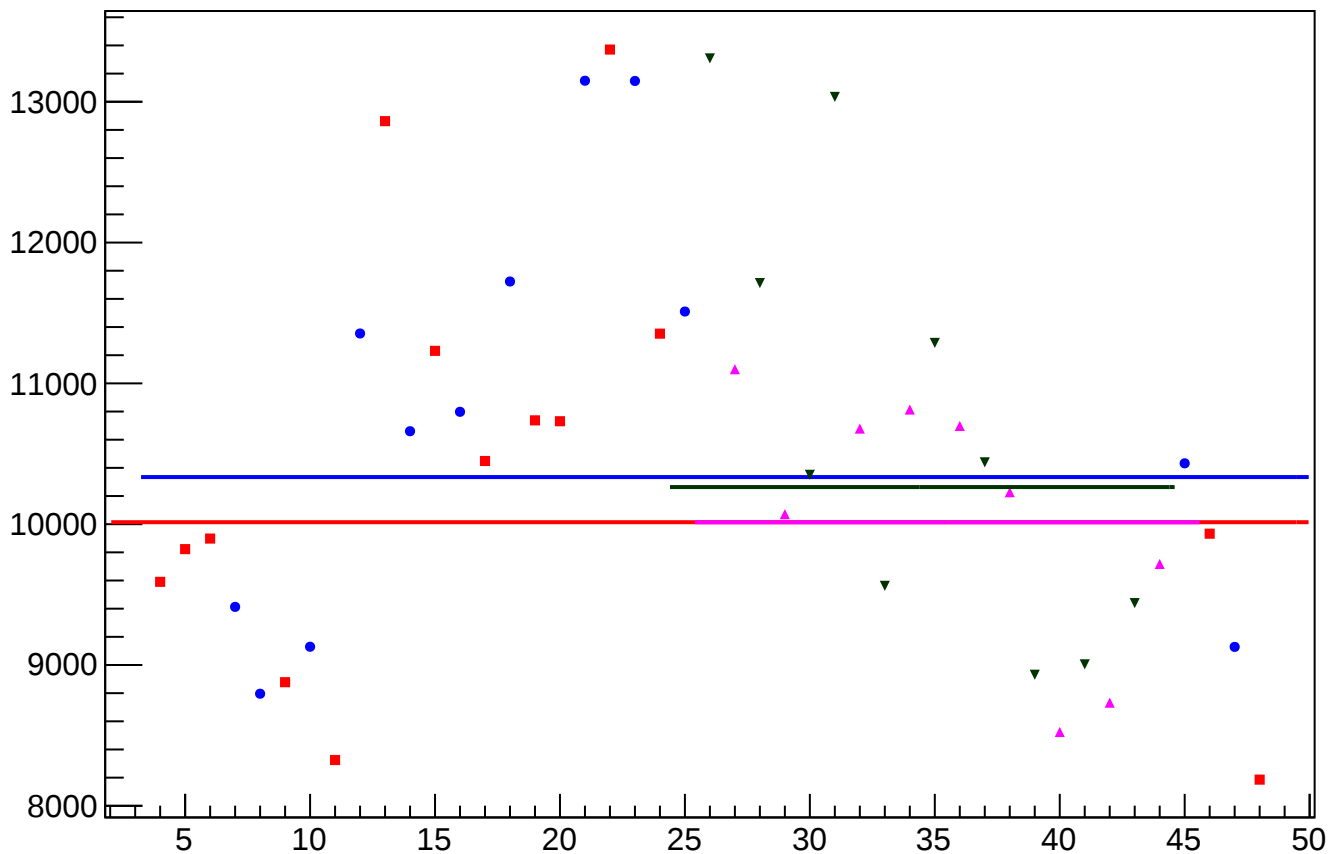
Right Out: -6.324 ± 3.724 χ^2/NDF : 17.2/13

Left In: 7.884 ± 4.244 χ^2/NDF : 9.7/8

1.319 ± 2.886 χ^2/NDF : 18.0/21

-0.144 ± 2.799 χ^2/NDF : 33.3/22

diff_bpm4eX_rms vs slug



Right In: 10334.626 $\pm$ 2.673 χ^2 /NDF: 260879.9/11

Left Out: 10263.647 $\pm$ 3.161 χ^2 /NDF:178797.8/9

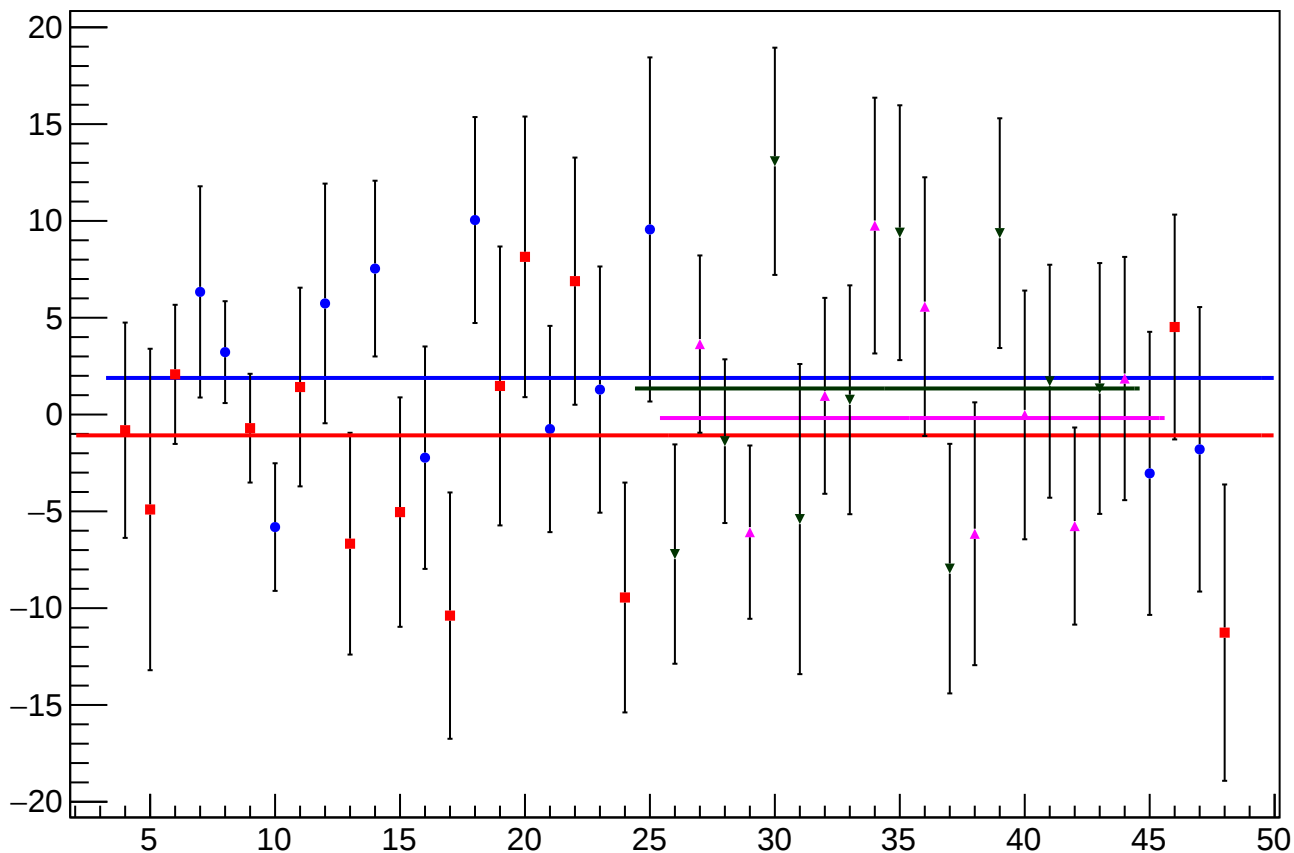
Right Out: 10014.097 $\pm$ 2.633 χ^2 /NDF: 326104.2/13

Left In: 10013.319 $\pm$ 3.001 χ^2 /NDF:86488.8/8

10305.031 $\pm$ 2.041 χ^2 /NDF: 439971.8/21

10013.759 $\pm$ 1.979 χ^2 /NDF: 412593.1/22

diff_bpm4eY_mean vs slug



Right In: 1.890 ± 1.386 χ^2/NDF : 12.9/11

Left Out: 1.346 ± 1.865 χ^2/NDF : 12.8/9

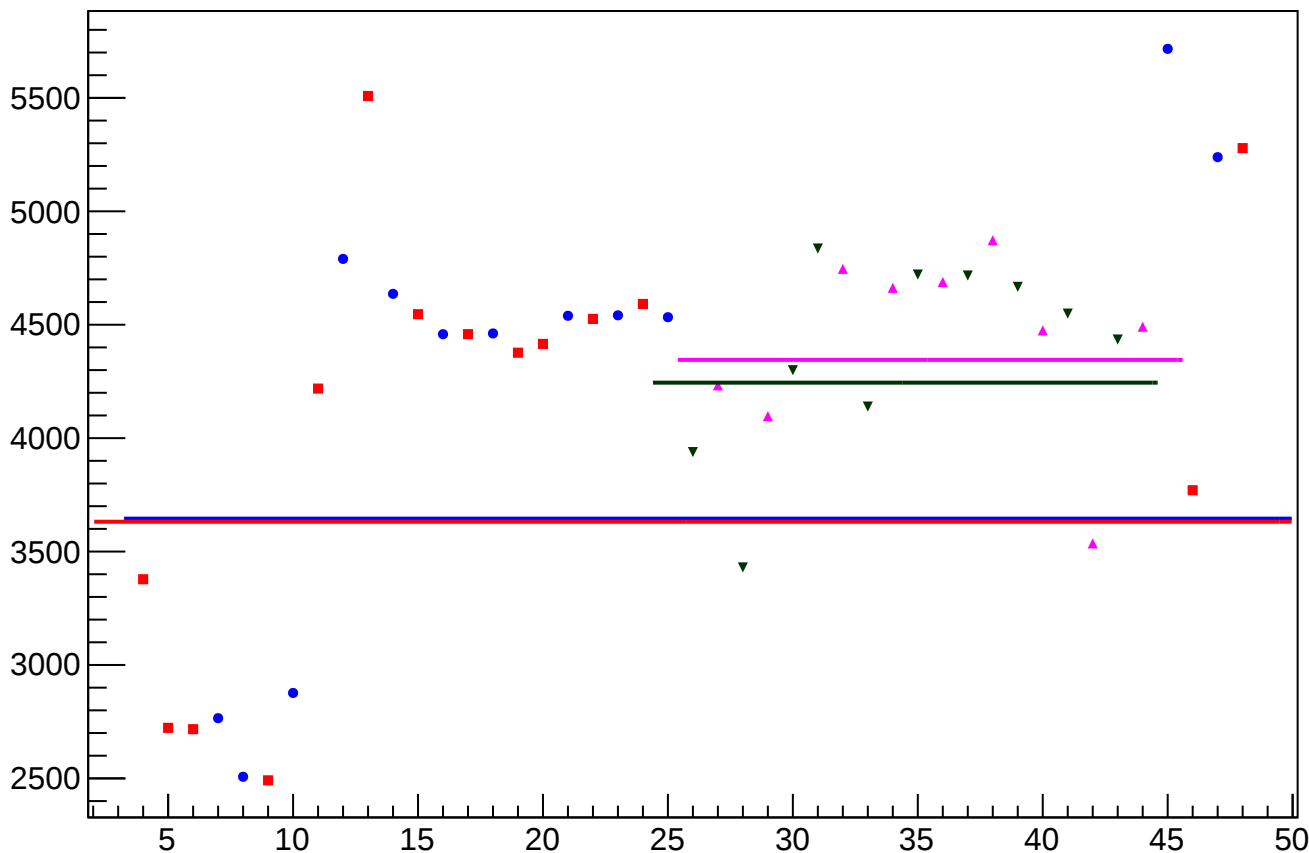
Right Out: -1.076 ± 1.399 χ^2/NDF : 12.8/13

Left In: -0.180 ± 1.851 χ^2/NDF : 7.6/8

1.696 ± 1.113 χ^2/NDF : 25.8/21

-0.750 ± 1.116 χ^2/NDF : 20.5/22

diff_bpm4eY_rms vs slug



Right In: 3645.071+/-0.980 χ^2/NDF : 1156784.0/11

Left Out: 4244.655+/-1.319 χ^2/NDF :130015.1/9

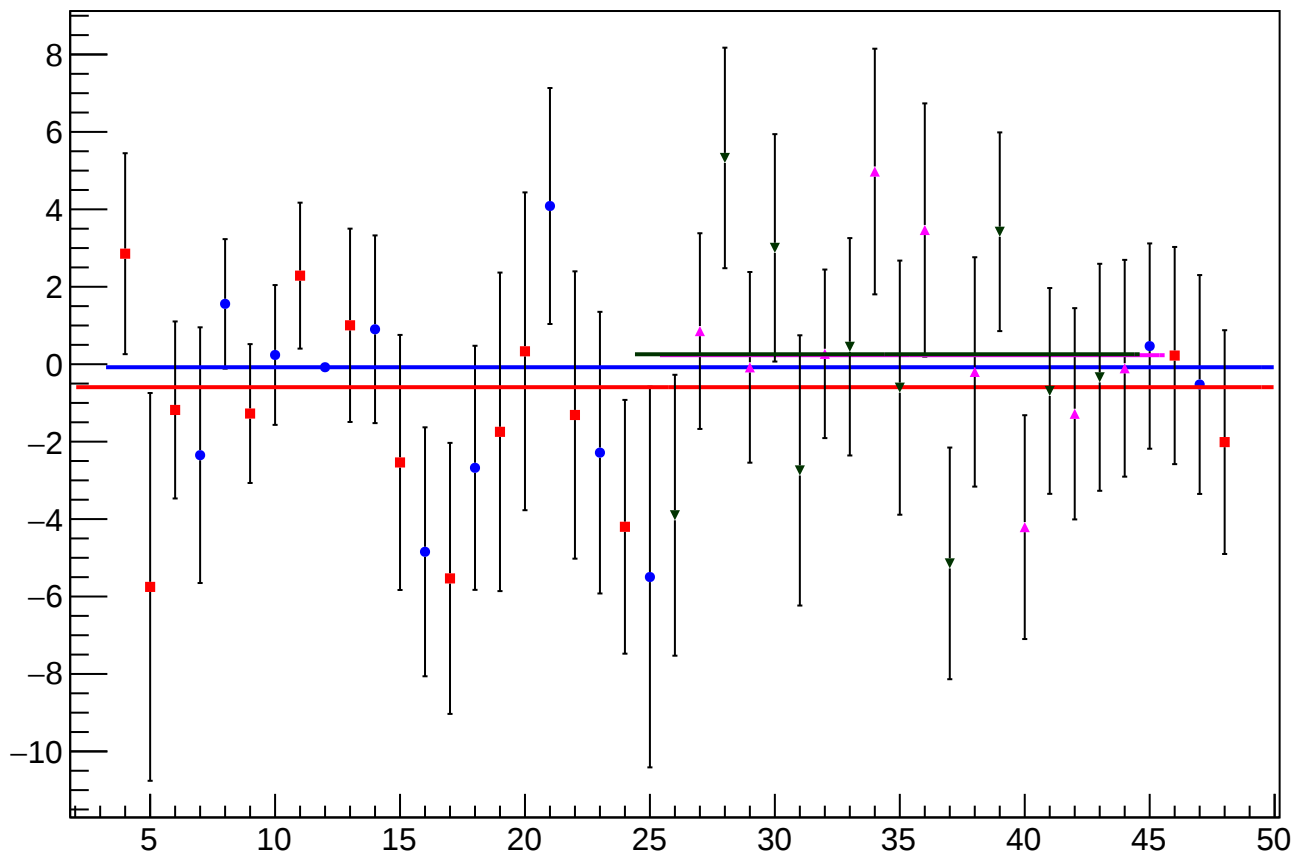
Right Out: 3631.439+/-0.989 χ^2/NDF : 1039884.0/13

Left In: 4345.018+/-1.309 χ^2/NDF :94341.4/8

3858.396+/-0.787 χ^2/NDF : 1419919.3/21

3890.955+/-0.789 χ^2/NDF : 1323386.0/22

diff_bpm4acX_mean vs slug



Right In: -0.078 ± 0.060 χ^2/NDF : 8.0/11

Left Out: 0.257 ± 0.937 χ^2/NDF : 11.1/9

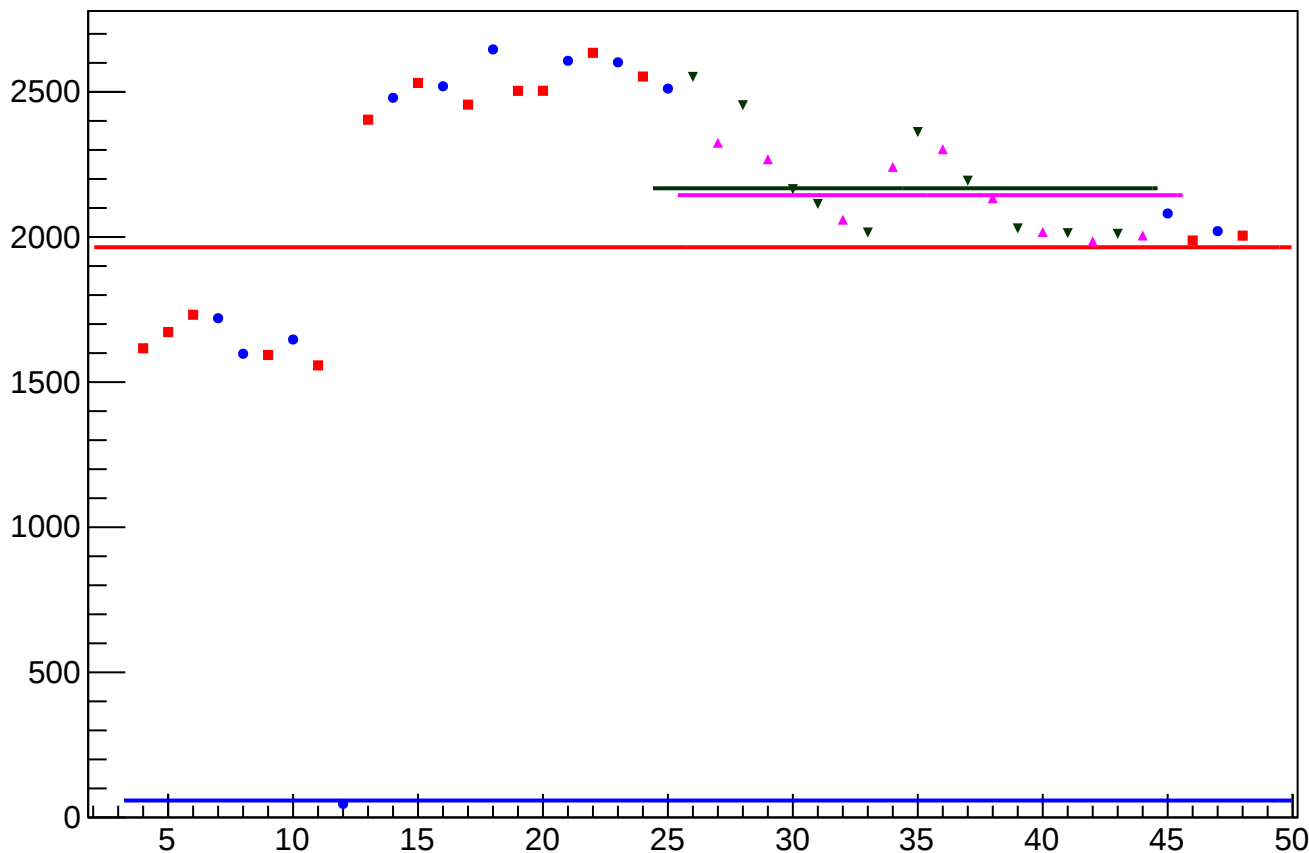
Right Out: -0.593 ± 0.738 χ^2/NDF : 9.8/13

Left In: 0.233 ± 0.905 χ^2/NDF : 6.0/8

-0.077 ± 0.060 χ^2/NDF : 19.3/21

-0.264 ± 0.572 χ^2/NDF : 16.3/22

diff_bpm4acX_rms vs slug



Right In: 58.358+/-0.043 χ^2 /NDF: 13343088.1/11

Left Out: 2167.933+/-0.663 χ^2 /NDF: 74393.9/9

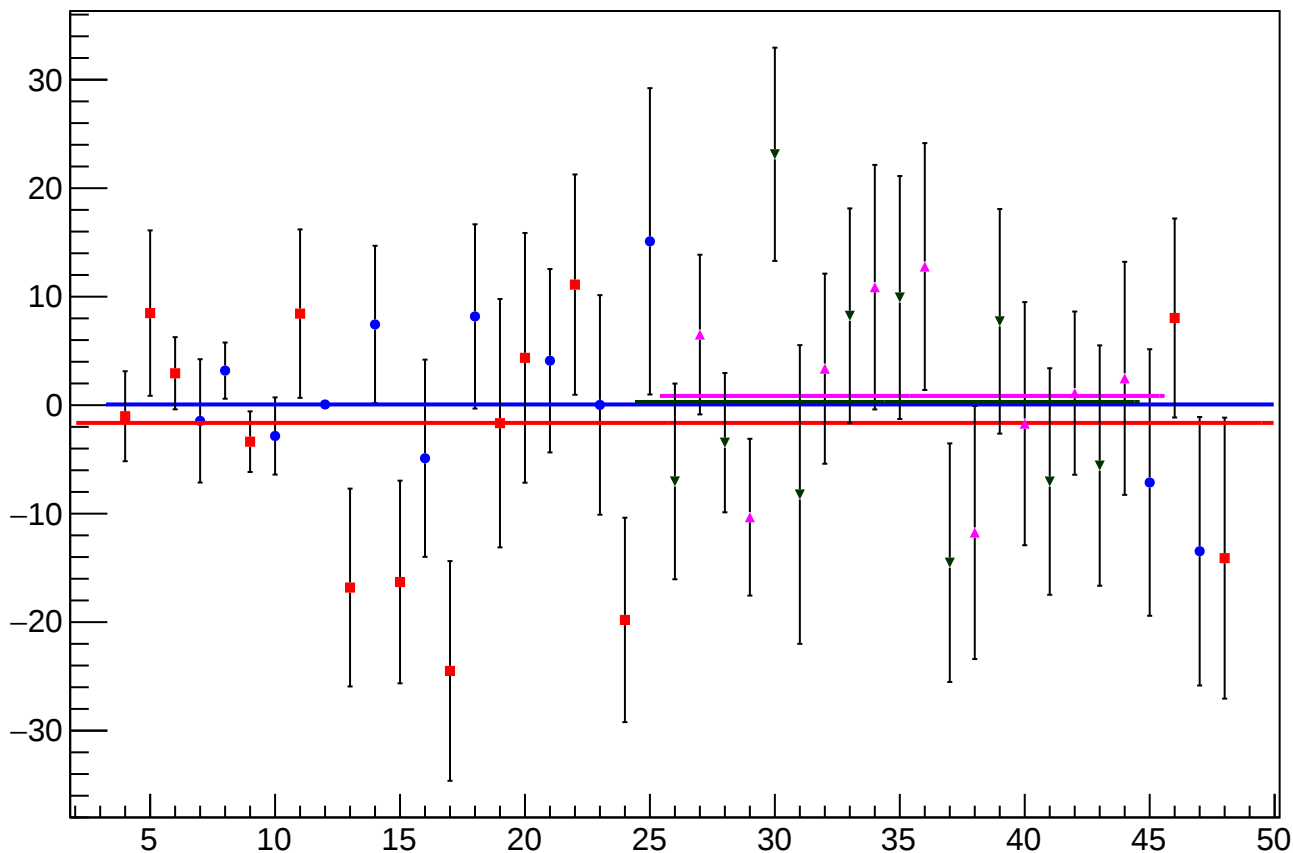
Right Out: 1964.736+/-0.522 χ^2 /NDF: 601991.0/13

Left In: 2144.257+/-0.640 χ^2 /NDF: 40455.1/8

67.010+/-0.042 χ^2 /NDF: 23509990.0/21

2036.404+/-0.404 χ^2 /NDF: 689728.5/22

diff_bpm4acY_mean vs slug



Right In: 0.065 ± 0.052 $\chi^2/\text{NDF}: 7.3/11$

Left Out: 0.294 ± 3.082 $\chi^2/\text{NDF}: 11.3/9$

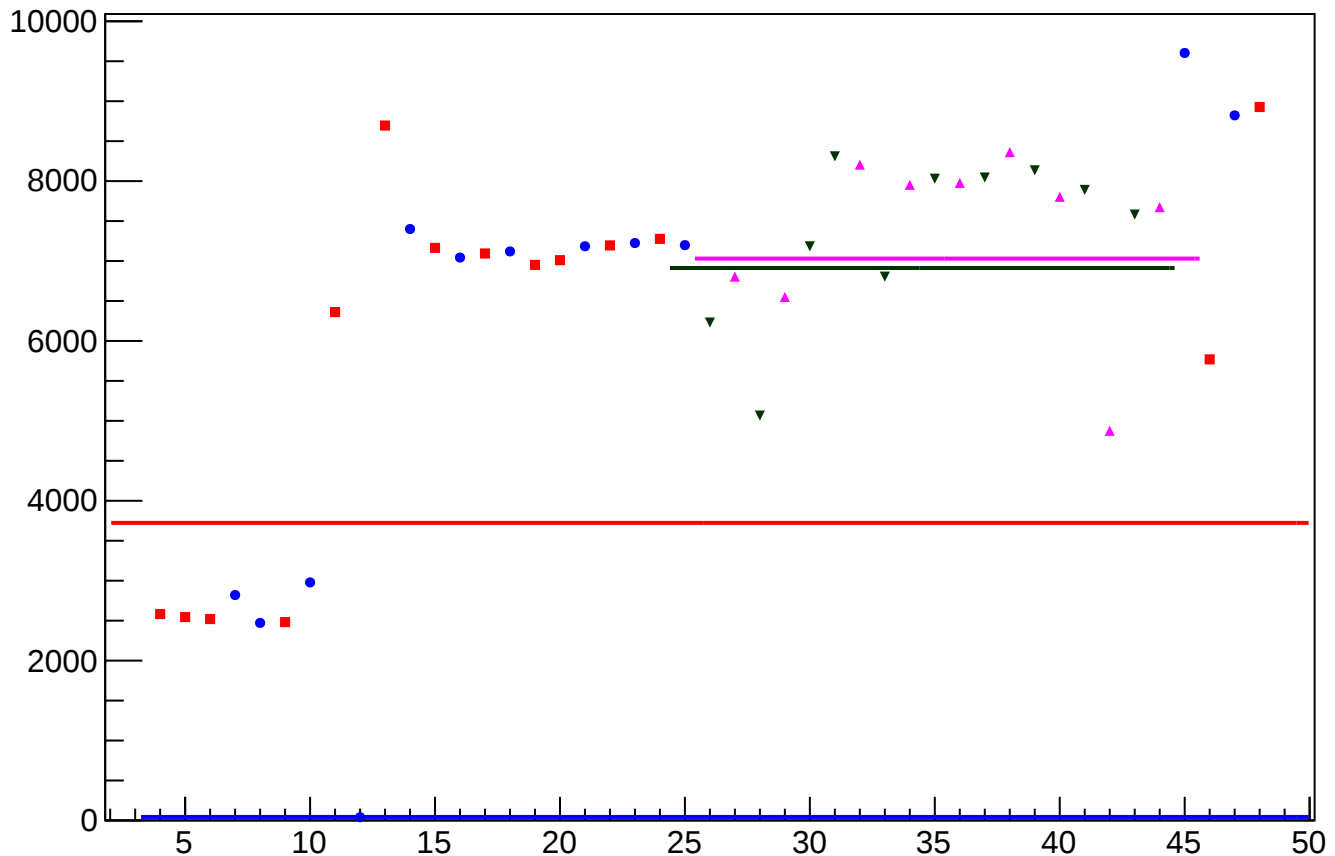
Right Out: -1.635 ± 1.586 $\chi^2/\text{NDF}: 23.7/13$

Left In: 0.850 ± 3.044 $\chi^2/\text{NDF}: 6.2/8$

0.065 ± 0.052 $\chi^2/\text{NDF}: 18.6/21$

-1.104 ± 1.406 $\chi^2/\text{NDF}: 30.4/22$

diff_bpm4acY_rms vs slug



Right In: 43.959+/-0.037 χ^2 /NDF: 13407625.4/11

Left Out: 6912.690+/-2.179 χ^2 /NDF: 293013.4/9

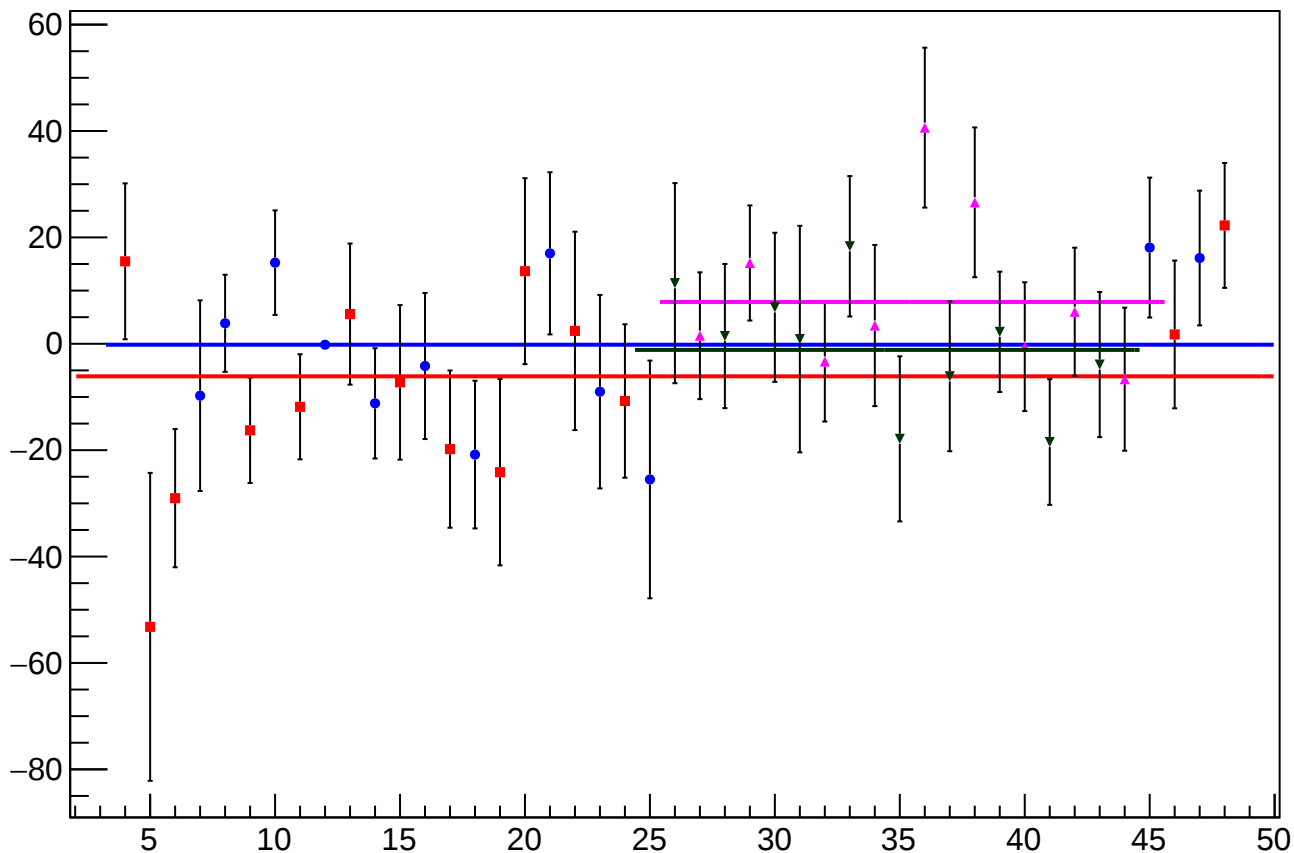
Right Out: 3723.635+/-1.121 χ^2 /NDF: 3437489.6/13

Left In: 7030.739+/-2.153 χ^2 /NDF: 280908.8/8

45.921+/-0.037 χ^2 /NDF: 23632985.6/21

4429.489+/-0.995 χ^2 /NDF: 5574831.9/22

diff_bpm4ecX_mean vs slug



Right In: -0.175 ± 0.107 $\chi^2/\text{NDF}: 12.7/11$

Left Out: -1.154 ± 4.434 $\chi^2/\text{NDF}: 6.6/9$

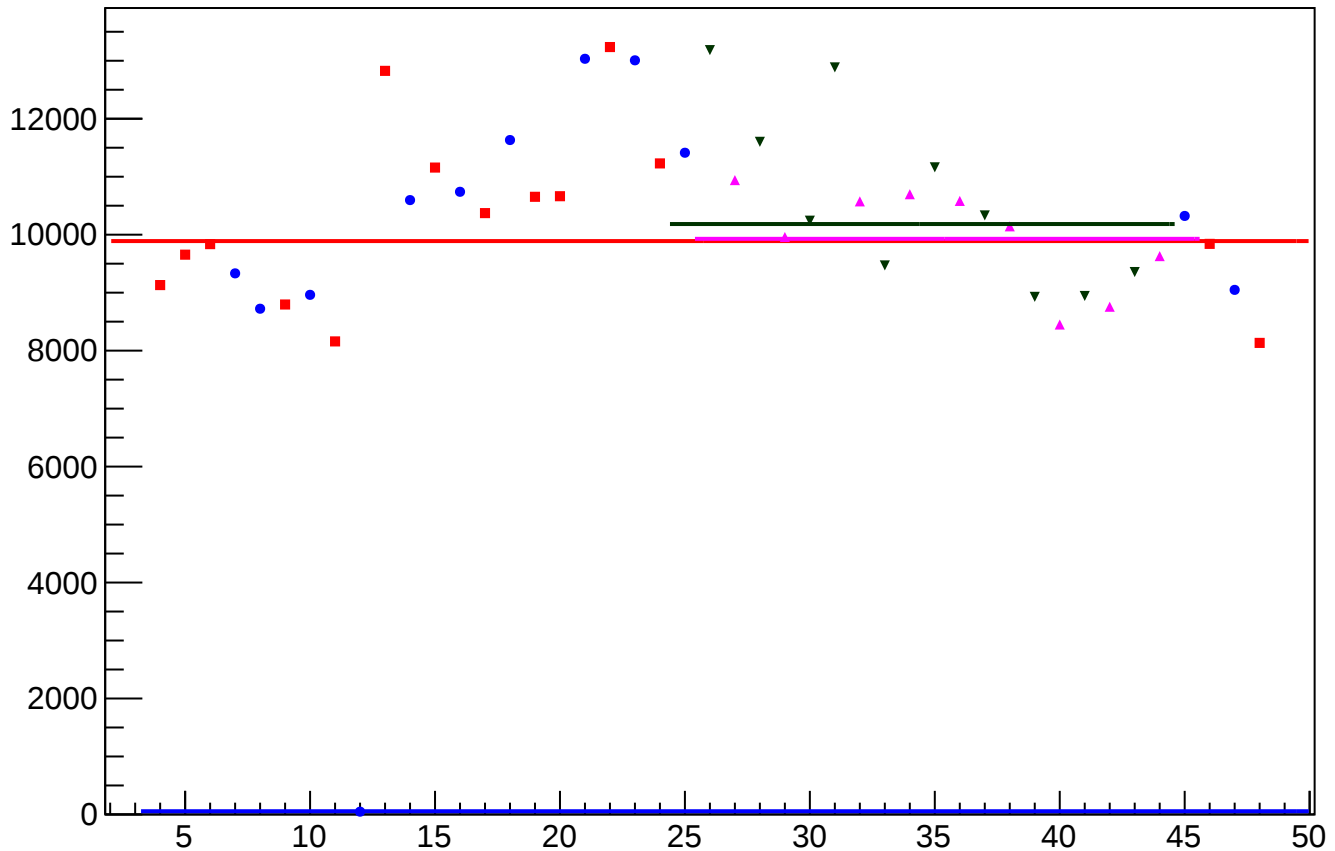
Right Out: -6.119 ± 3.679 $\chi^2/\text{NDF}: 19.8/13$

Left In: 7.861 ± 4.207 $\chi^2/\text{NDF}: 10.0/8$

-0.176 ± 0.106 $\chi^2/\text{NDF}: 19.4/21$

-0.060 ± 2.770 $\chi^2/\text{NDF}: 36.0/22$

diff_bpm4ecX_rms vs slug



Right In: 55.667 $\pm$ 0.075 χ^2 /NDF: 13871269.1/11

Left Out: 10183.674 $\pm$ 3.135 χ^2 /NDF: 173145.0/9

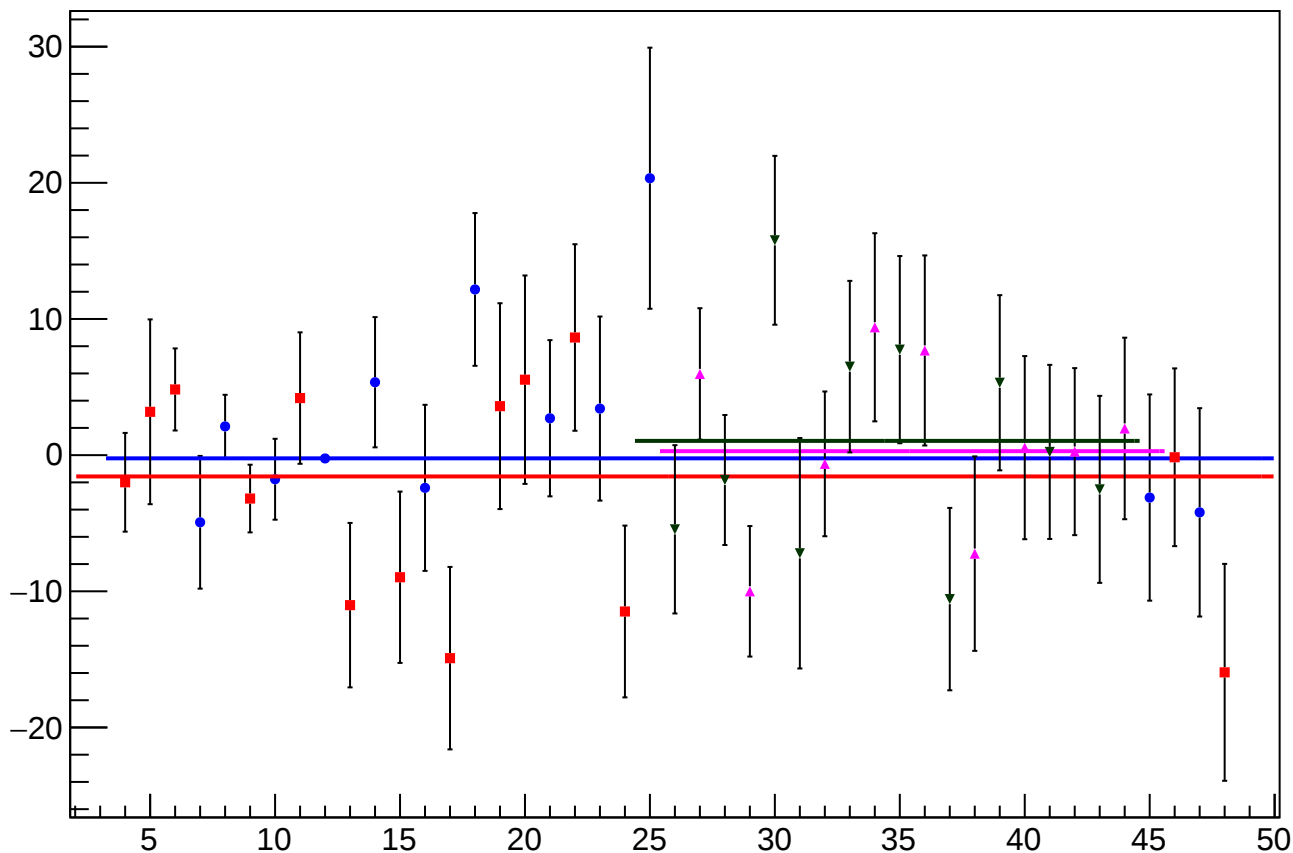
Right Out: 9889.735 $\pm$ 2.602 χ^2 /NDF: 340837.9/13

Left In: 9928.487 $\pm$ 2.975 χ^2 /NDF: 80123.6/8

61.508 $\pm$ 0.075 χ^2 /NDF: 24473999.2/21

9906.530 $\pm$ 1.958 χ^2 /NDF: 421057.7/22

diff_bpm4ecY_mean vs slug



Right In: -0.235 ± 0.090 $\chi^2/\text{NDF}: 14.2/11$

Left Out: 1.047 ± 2.006 $\chi^2/\text{NDF}: 13.5/9$

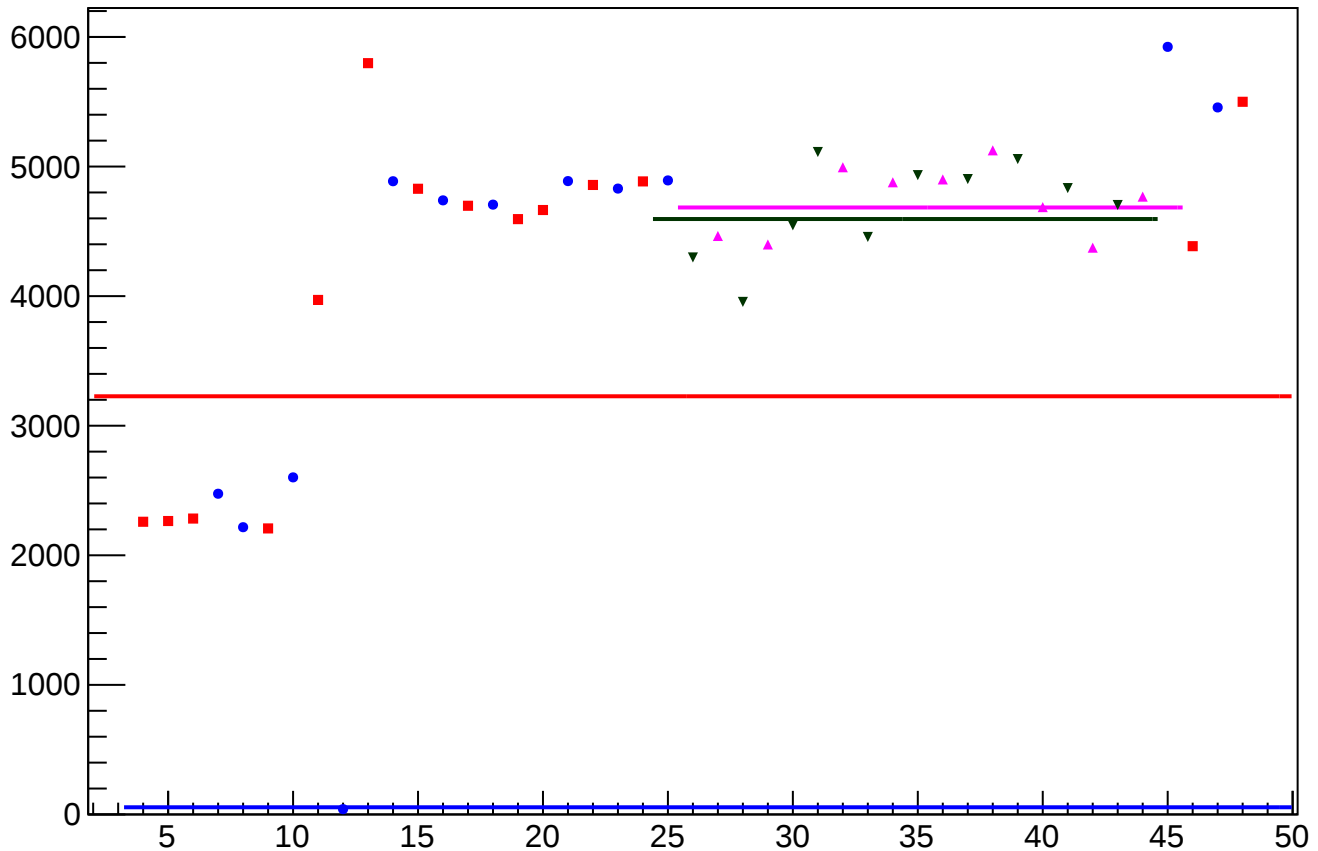
Right Out: -1.564 ± 1.283 $\chi^2/\text{NDF}: 24.0/13$

Left In: 0.291 ± 1.984 $\chi^2/\text{NDF}: 10.1/8$

-0.233 ± 0.090 $\chi^2/\text{NDF}: 28.1/21$

-1.017 ± 1.077 $\chi^2/\text{NDF}: 34.6/22$

diff_bpm4ecY_rms vs slug



Right In: 55.381 ± 0.064 χ^2/NDF : 13467362.3/11

Left Out: 4595.004 ± 1.418 χ^2/NDF : 71786.0/9

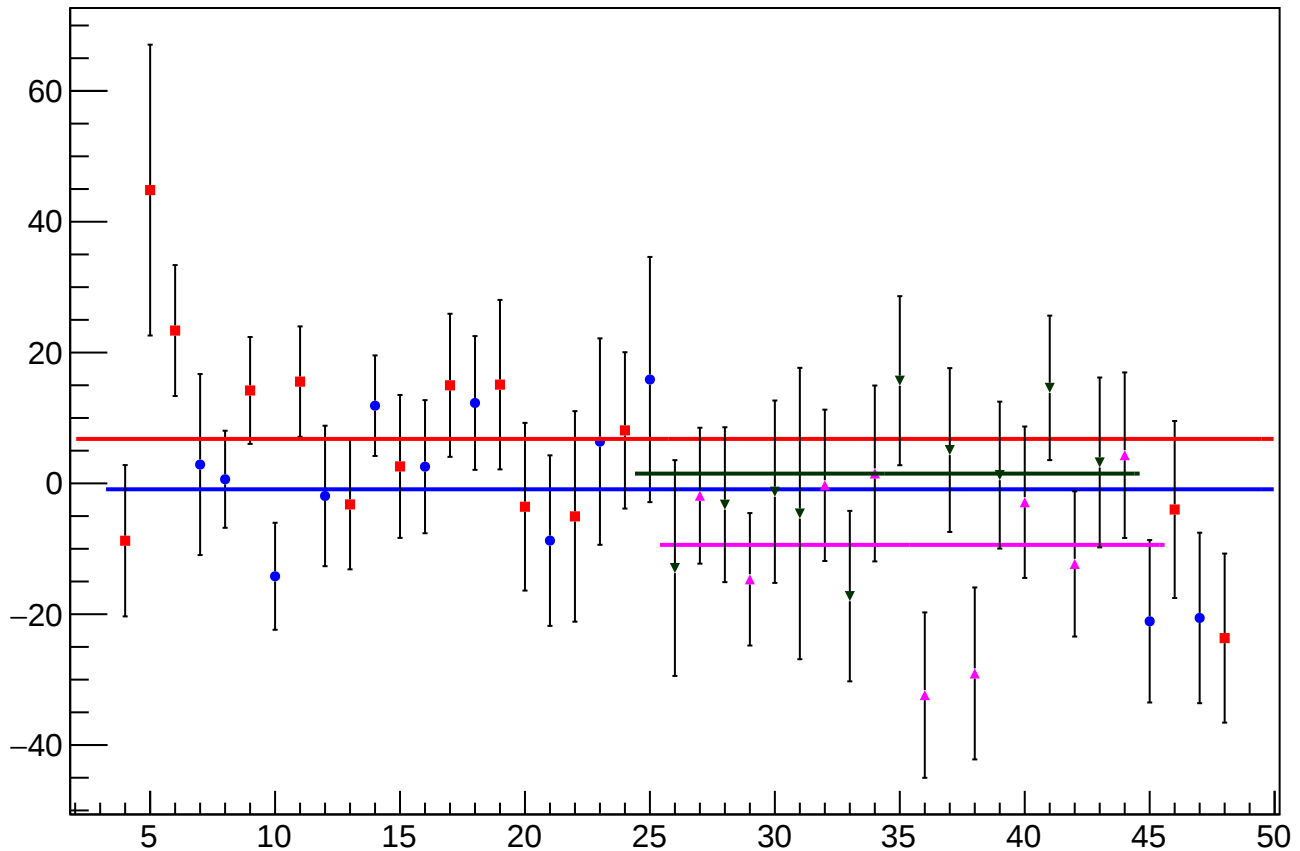
Right Out: 3227.157 ± 0.907 χ^2/NDF : 1964588.5/13

Left In: 4684.130 ± 1.403 χ^2/NDF : 34622.6/8

64.495 ± 0.064 χ^2/NDF : 23761892.0/21

3656.744 ± 0.762 χ^2/NDF : 2760060.1/22

diff_bpm1X_mean vs slug



Right In: -0.904 ± 3.039 χ^2/NDF : 13.6/11

Left Out: 1.495 ± 4.142 χ^2/NDF : 5.8/9

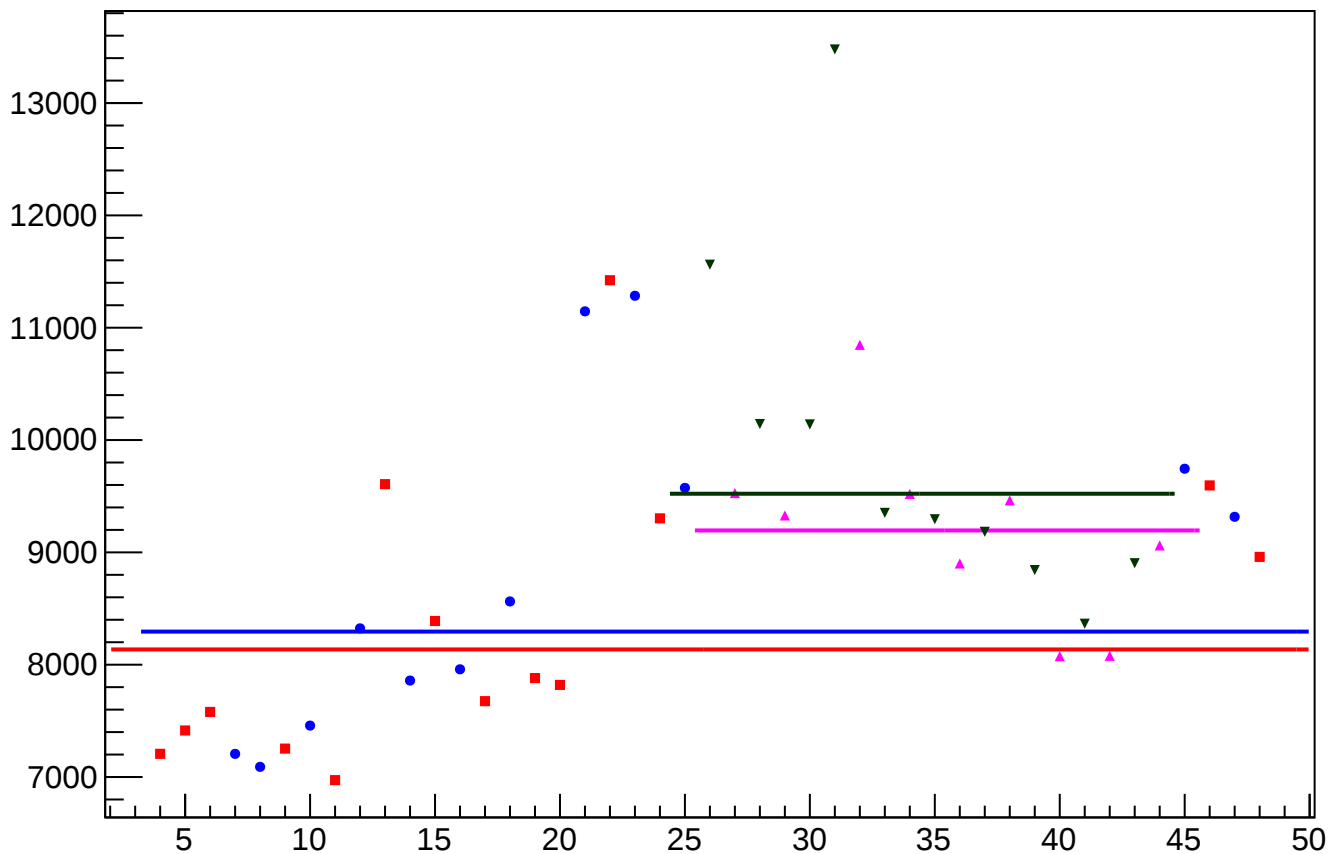
Right Out: 6.800 ± 3.019 χ^2/NDF : 18.9/13

Left In: -9.400 ± 3.896 χ^2/NDF : 9.2/8

-0.064 ± 2.450 χ^2/NDF : 19.7/21

0.722 ± 2.386 χ^2/NDF : 38.9/22

diff_bpm1X_rms vs slug



Right In: 8294.529+/-2.149 χ^2/NDF : 312324.8/11

Left Out: 9522.004+/-2.929 χ^2/NDF :139291.8/9

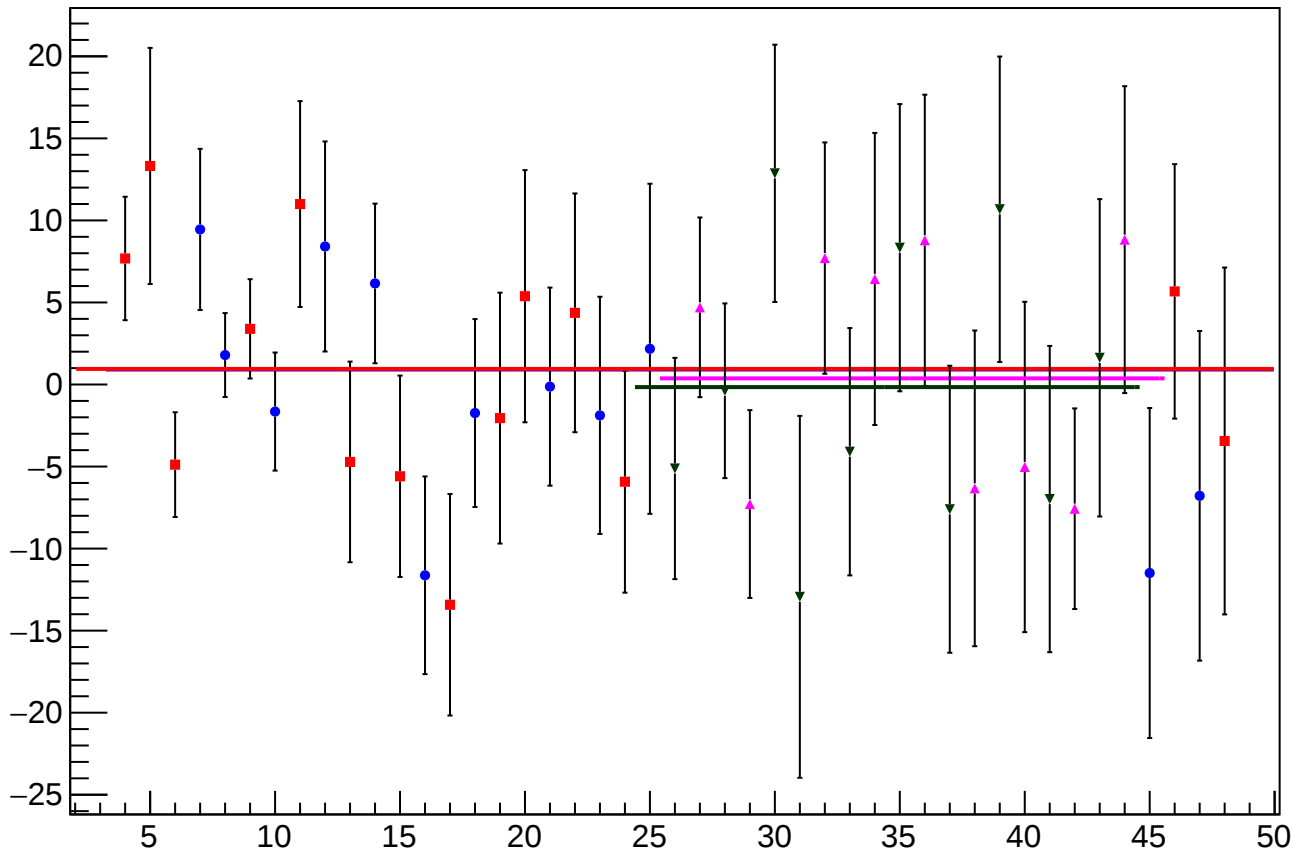
8724.057+/-1.733 χ^2/NDF : 565792.0/21

Right Out: 8135.889+/-2.135 χ^2/NDF : 266988.7/13

8533.362+/-1.687 χ^2/NDF : 444846.2/22

Left In: 9195.242+/-2.755 χ^2/NDF :85448.4/8

diff_bpm1Y_mean vs slug



Right In: 0.915 ± 1.455 $\chi^2/\text{NDF}: 13.0/11$

Left Out: -0.158 ± 2.506 $\chi^2/\text{NDF}: 8.5/9$

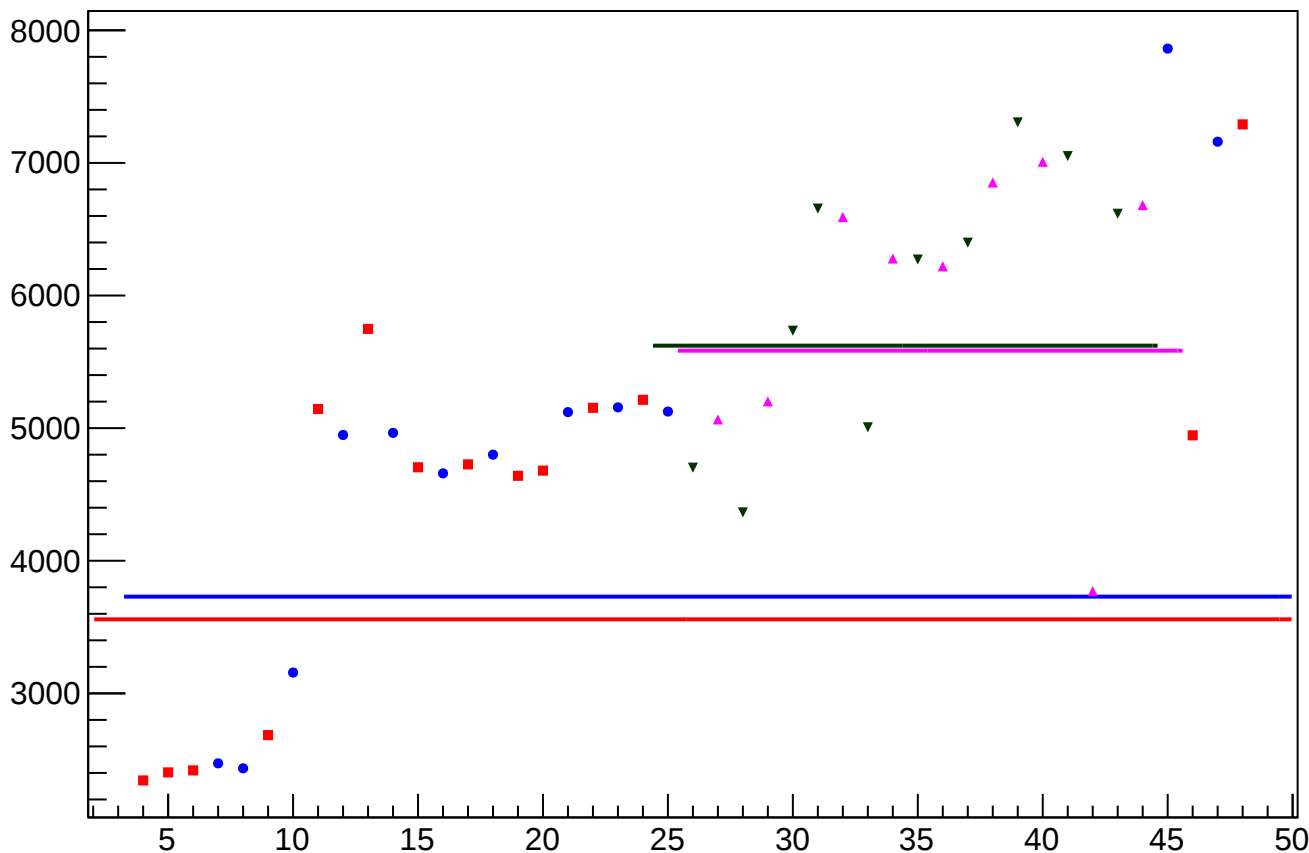
Right Out: 0.951 ± 1.417 $\chi^2/\text{NDF}: 21.5/13$

Left In: 0.374 ± 2.438 $\chi^2/\text{NDF}: 8.1/8$

0.645 ± 1.258 $\chi^2/\text{NDF}: 21.7/21$

0.805 ± 1.225 $\chi^2/\text{NDF}: 29.7/22$

diff_bpm1Y_rms vs slug



Right In: 3729.539+/-1.029 χ^2/NDF : 1807108.9/11

Left Out: 5621.962+/-1.772 χ^2/NDF : 340384.5/9

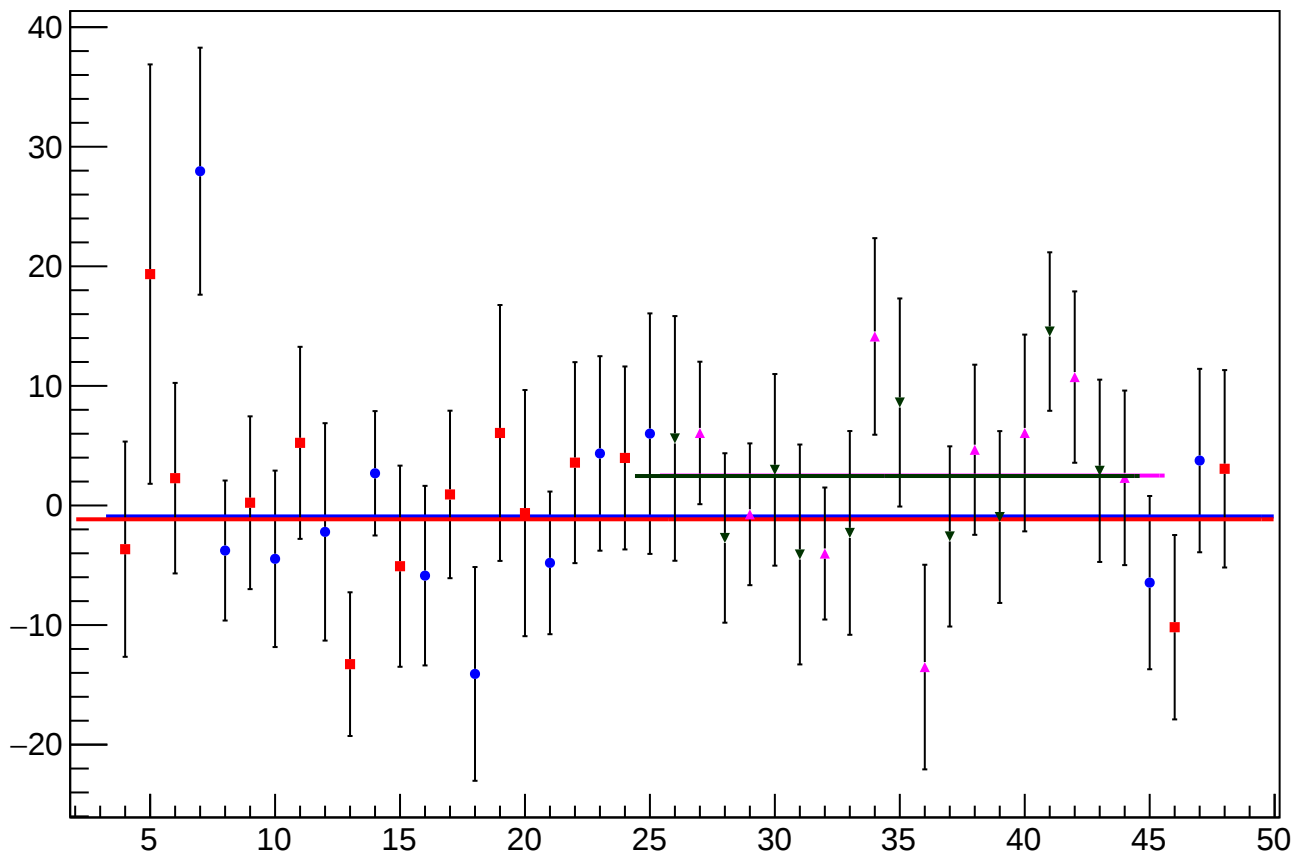
Right Out: 3558.510+/-1.002 χ^2/NDF : 1807247.7/13

Left In: 5584.245+/-1.724 χ^2/NDF : 368430.0/8

4206.399+/-0.890 χ^2/NDF : 3000550.0/21

4069.709+/-0.866 χ^2/NDF : 3207777.0/22

diff_bpm11X_mean vs slug



Right In: -0.916 ± 2.106 χ^2/NDF : 13.7/11

Left Out: 2.463 ± 2.494 χ^2/NDF : 6.0/9

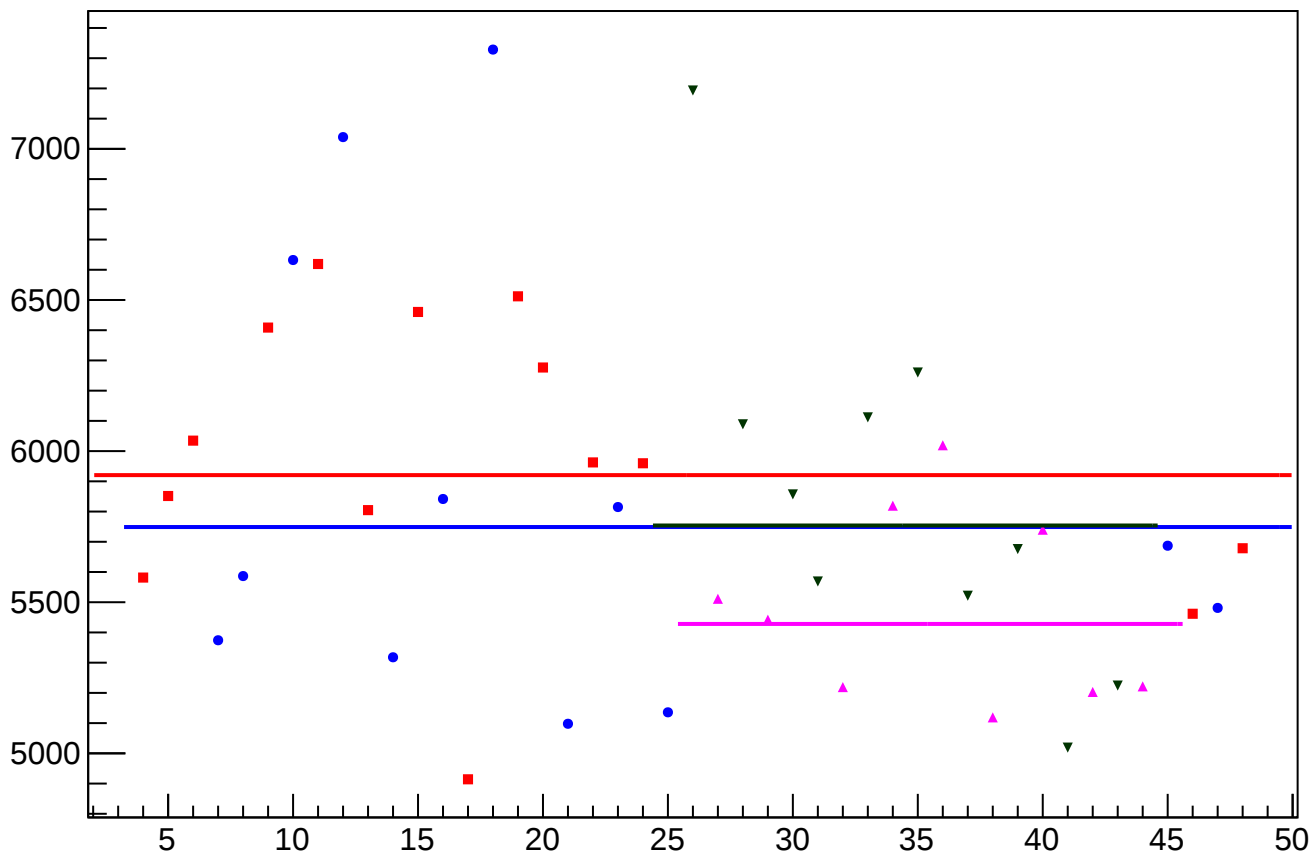
Right Out: -1.156 ± 2.187 χ^2/NDF : 9.5/13

Left In: 2.501 ± 2.290 χ^2/NDF : 9.2/8

0.491 ± 1.609 χ^2/NDF : 20.7/21

0.588 ± 1.581 χ^2/NDF : 20.0/22

diff_bpm11X_rms vs slug



Right In: 5748.785+/-1.489 χ^2/NDF : 183603.1/11

Left Out: 5753.867+/-1.763 χ^2/NDF : 91874.6/9

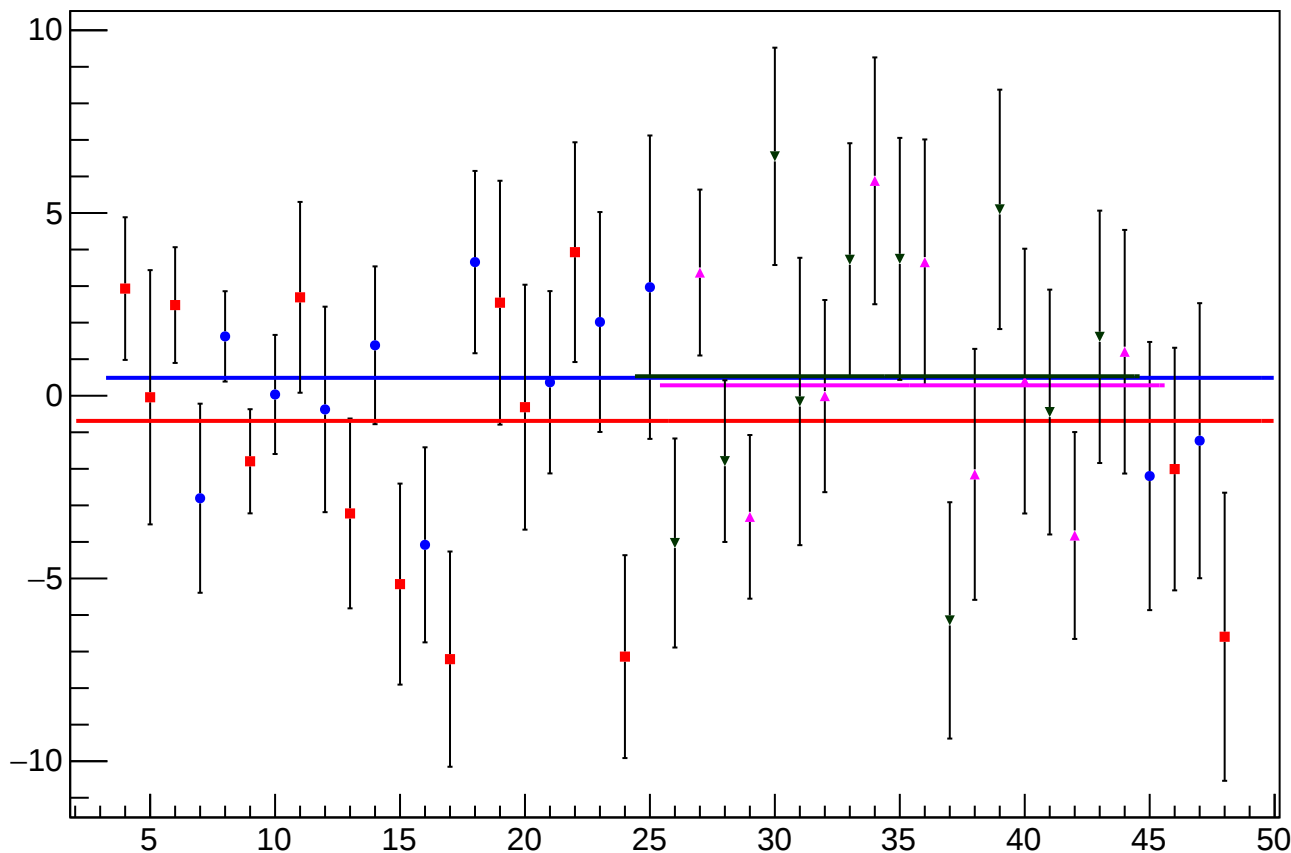
Right Out: 5920.563+/-1.546 χ^2/NDF : 95236.5/13

Left In: 5428.130+/-1.619 χ^2/NDF : 27568.5/8

5750.901+/-1.138 χ^2/NDF : 275482.5/21

5685.716+/-1.118 χ^2/NDF : 171179.8/22

diff_bpm11Y_mean vs slug



Right In: 0.490 ± 0.660 χ^2/NDF : 8.7/11

Left Out: 0.533 ± 0.973 χ^2/NDF : 16.1/9

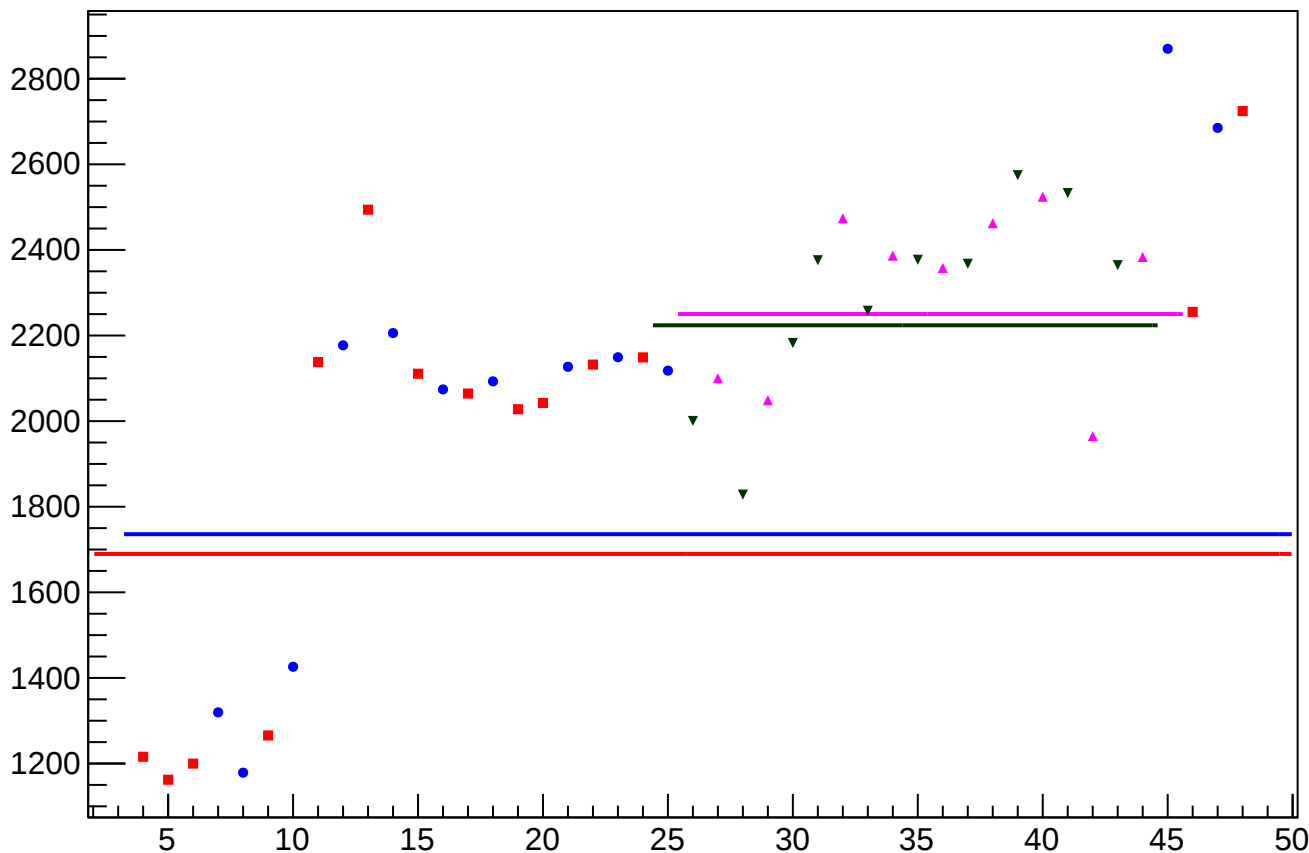
Right Out: -0.689 ± 0.652 χ^2/NDF : 29.4/13

Left In: 0.285 ± 0.958 χ^2/NDF : 10.9/8

0.503 ± 0.546 χ^2/NDF : 24.8/21

-0.380 ± 0.539 χ^2/NDF : 41.0/22

diff_bpm11Y_rms vs slug



Right In: 1735.840 $\pm$ 0.467 χ^2/NDF : 1170015.1/11

Left Out: 2223.927 $\pm$ 0.688 χ^2/NDF : 131291.4/9

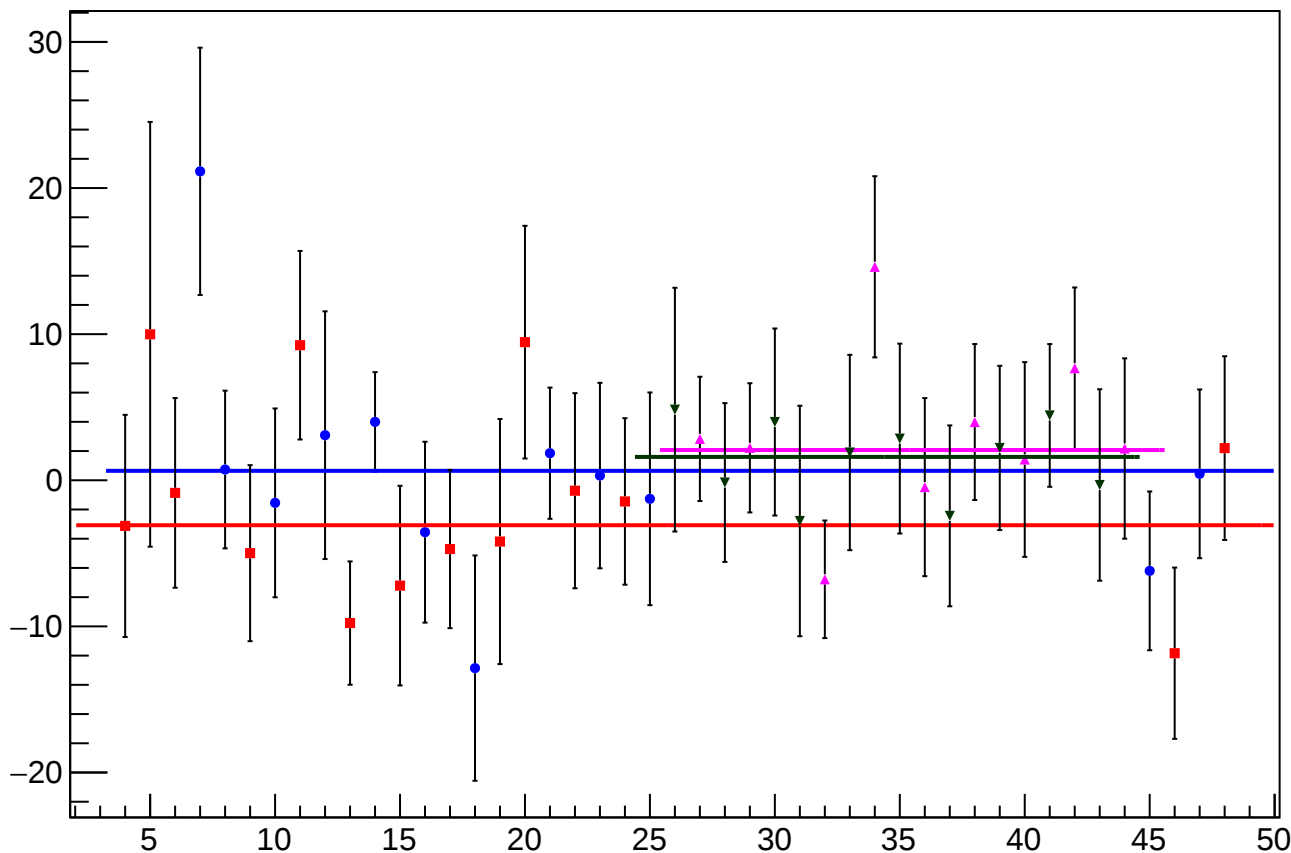
Right Out: 1689.669 $\pm$ 0.461 χ^2/NDF : 1199231.1/13

Left In: 2250.163 $\pm$ 0.677 χ^2/NDF : 87324.1/8

1889.551 $\pm$ 0.386 χ^2/NDF : 1645959.6/21

1867.144 $\pm$ 0.381 χ^2/NDF : 1754776.2/22

diff_bpm12X_mean vs slug



Right In: 0.646 ± 1.639 χ^2/NDF : 12.3/11

Left Out: 1.599 ± 1.970 χ^2/NDF : 1.6/9

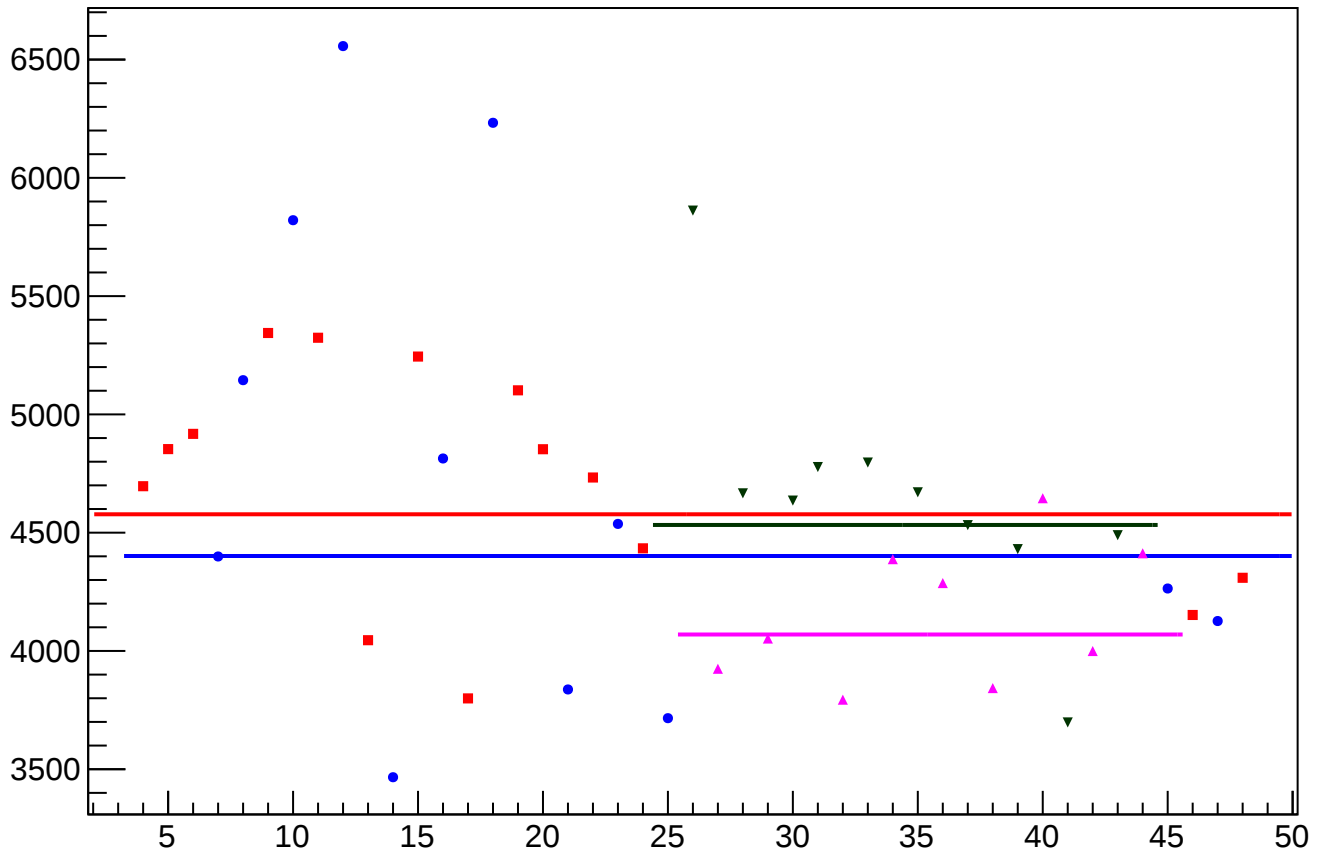
Right Out: -3.076 ± 1.698 χ^2/NDF : 13.3/13

Left In: 2.070 ± 1.721 χ^2/NDF : 10.3/8

1.036 ± 1.260 χ^2/NDF : 14.0/21

-0.537 ± 1.209 χ^2/NDF : 28.1/22

diff_bpm12X_rms vs slug



Right In: 4401.405+/-1.159 χ^2/NDF : 592263.0/11

Left Out: 4532.597+/-1.393 χ^2/NDF :117630.8/9

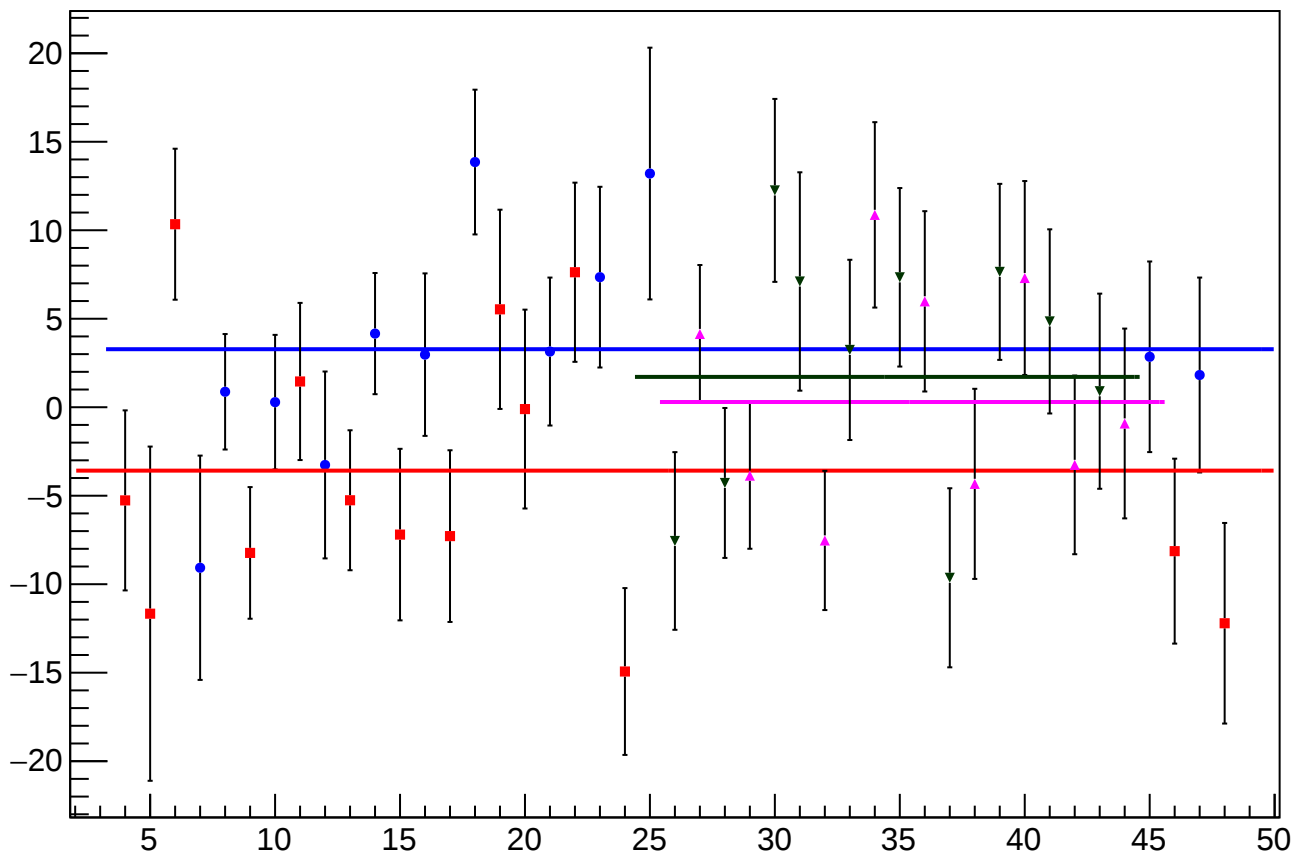
4455.067+/-0.891 χ^2/NDF : 715137.6/21

Right Out: 4577.740+/-1.201 χ^2/NDF : 184766.5/13

4326.925+/-0.855 χ^2/NDF : 317747.7/22

Left In: 4069.536+/-1.217 χ^2/NDF :44608.7/8

diff_bpm12Y_mean vs slug



Right In: 3.278 ± 1.292 χ^2/NDF : 15.9/11

Left Out: 1.714 ± 1.609 χ^2/NDF : 18.5/9

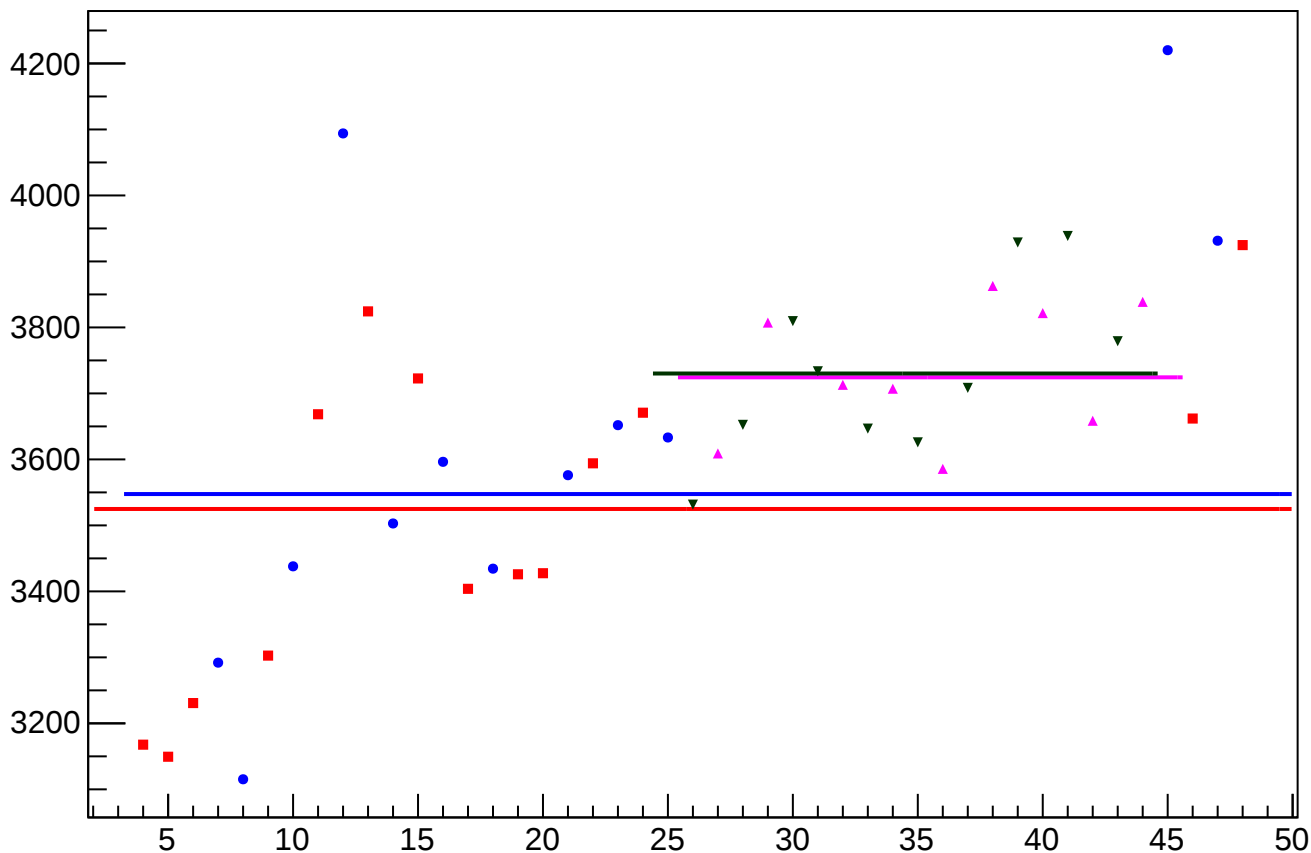
Right Out: -3.582 ± 1.300 χ^2/NDF : 32.4/13

Left In: 0.295 ± 1.569 χ^2/NDF : 14.2/8

2.665 ± 1.007 χ^2/NDF : 35.0/21

-2.005 ± 1.001 χ^2/NDF : 50.3/22

diff_bpm12Y_rms vs slug



Right In: 3547.488 $\pm$ 0.913 χ^2 /NDF: 105673.6/11

Left Out: 3730.162 $\pm$ 1.138 χ^2 /NDF:12266.4/9

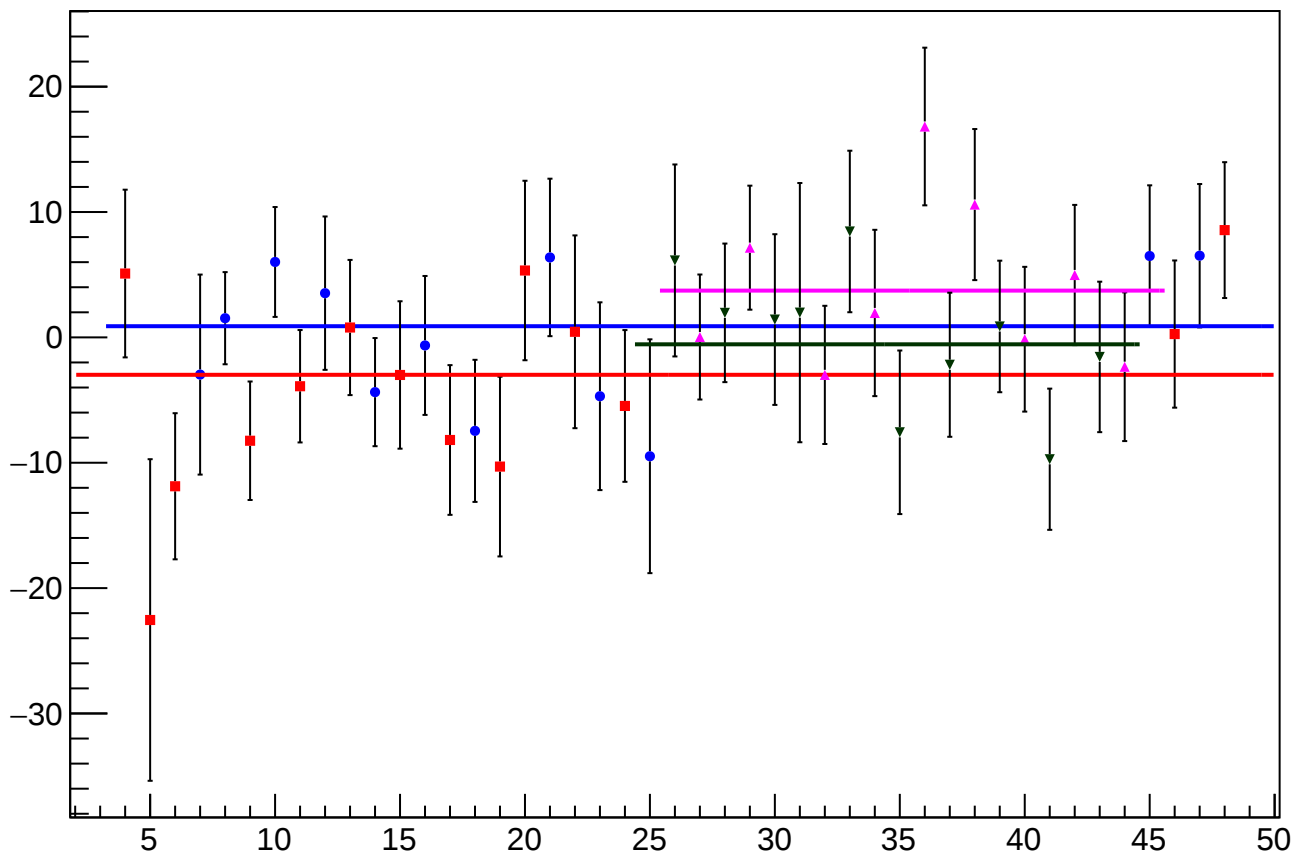
Right Out: 3524.873 $\pm$ 0.919 χ^2 /NDF: 62643.3/13

Left In: 3724.365 $\pm$ 1.110 χ^2 /NDF:7290.6/8

3619.095 $\pm$ 0.712 χ^2 /NDF: 133617.3/21

3606.049 $\pm$ 0.708 χ^2 /NDF: 89103.6/22

diff_bpm16X_mean vs slug



Right In: 0.891 ± 1.576 $\chi^2/\text{NDF}: 10.1/11$

Left Out: -0.553 ± 1.983 $\chi^2/\text{NDF}: 7.1/9$

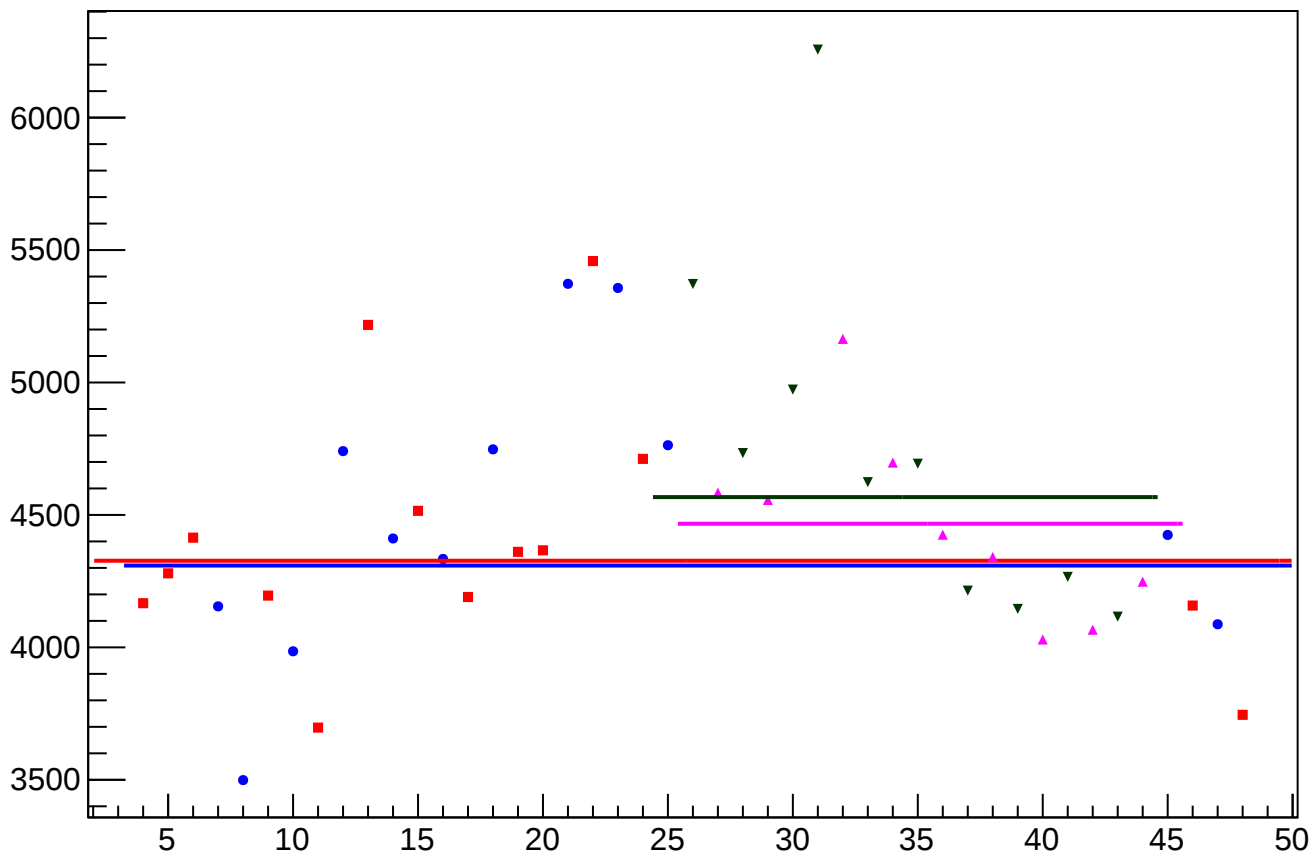
Right Out: -2.985 ± 1.601 $\chi^2/\text{NDF}: 16.2/13$

Left In: 3.732 ± 1.890 $\chi^2/\text{NDF}: 9.8/8$

0.332 ± 1.234 $\chi^2/\text{NDF}: 17.4/21$

-0.179 ± 1.222 $\chi^2/\text{NDF}: 33.4/22$

diff_bpm16X_rms vs slug



Right In: 4308.942 $\pm$ 1.114 χ^2 /NDF: 237030.9/11

Left Out: 4567.308 $\pm$ 1.402 χ^2 /NDF:122824.8/9

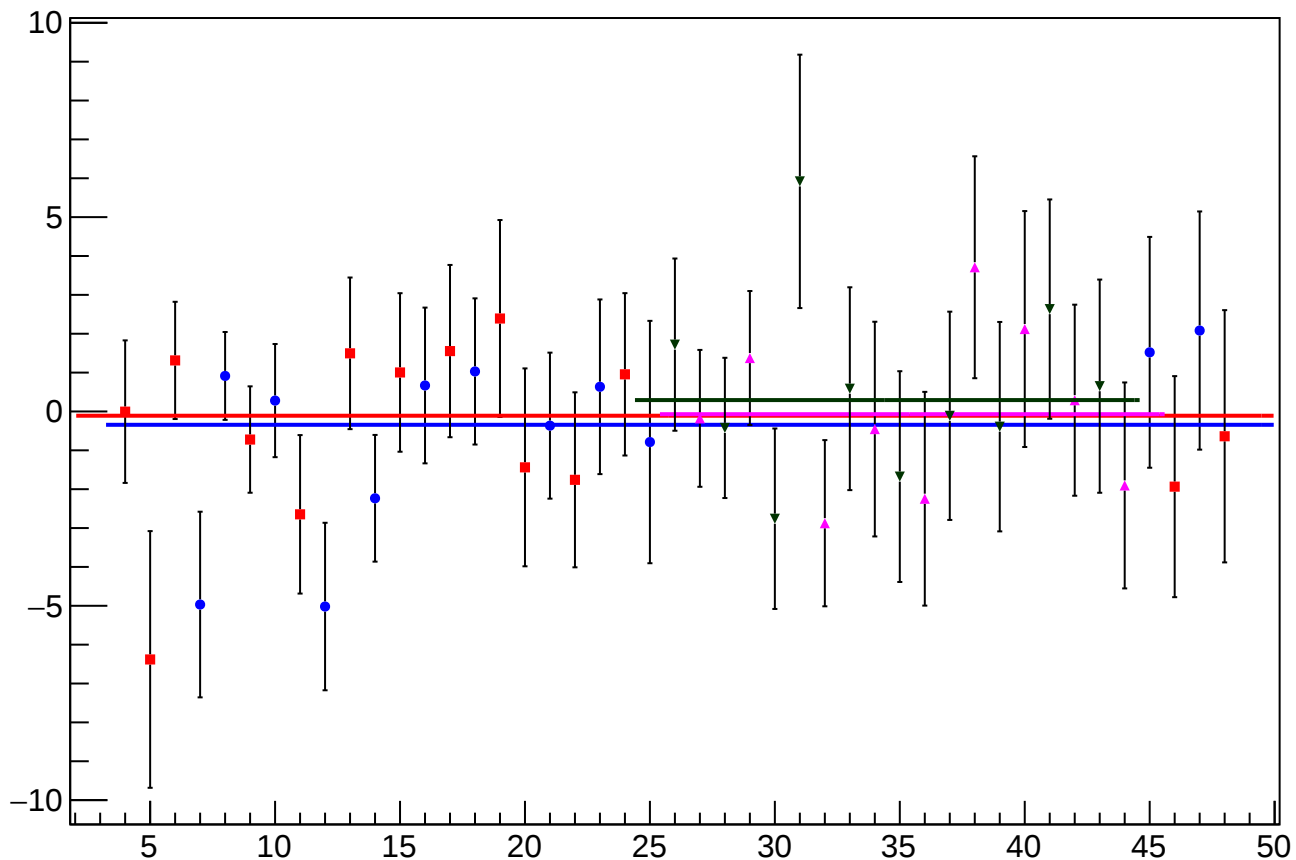
4408.923 $\pm$ 0.872 χ^2 /NDF: 380661.0/21

Right Out: 4327.164 $\pm$ 1.132 χ^2 /NDF: 176509.4/13

4385.499 $\pm$ 0.864 χ^2 /NDF: 244492.7/22

Left In: 4466.769 $\pm$ 1.336 χ^2 /NDF:61630.0/8

diff_bpm16Y_mean vs slug



Right In: -0.343 ± 0.546 $\chi^2/\text{NDF}: 13.2/11$

Left Out: 0.293 ± 0.788 $\chi^2/\text{NDF}: 6.6/9$

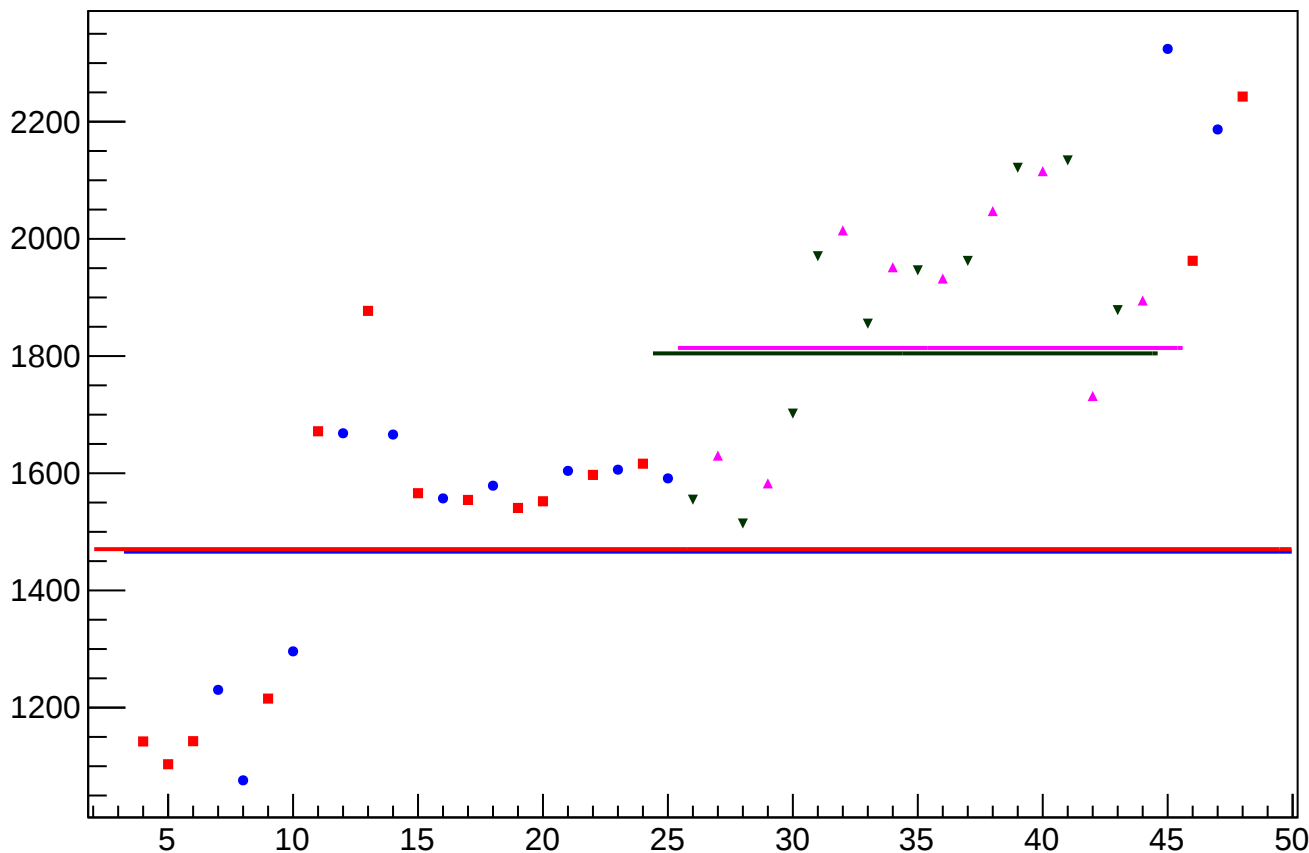
Right Out: -0.110 ± 0.553 $\chi^2/\text{NDF}: 10.3/13$

Left In: -0.070 ± 0.771 $\chi^2/\text{NDF}: 5.8/8$

-0.137 ± 0.449 $\chi^2/\text{NDF}: 20.3/21$

-0.096 ± 0.450 $\chi^2/\text{NDF}: 16.1/22$

diff_bpm16Y_rms vs slug



Right In: 1466.186+/-0.386 χ^2/NDF : 643312.3/11

Left Out: 1804.555+/-0.557 χ^2/NDF :155790.9/9

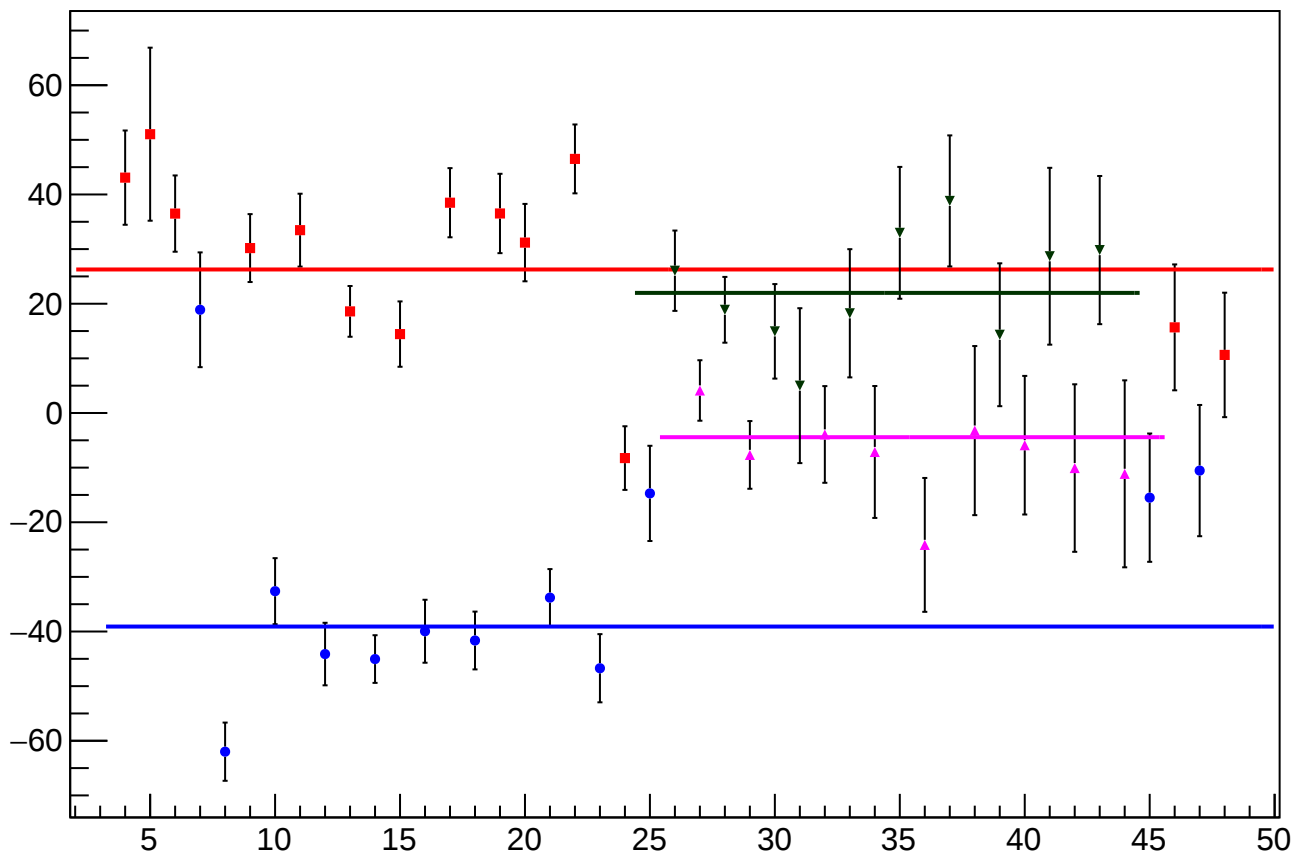
Right Out: 1470.467+/-0.391 χ^2/NDF : 559194.3/13

Left In: 1813.858+/-0.546 χ^2/NDF :121240.8/8

1575.820+/-0.317 χ^2/NDF : 1048173.1/21

1587.134+/-0.318 χ^2/NDF : 942043.7/22

diff_bpm0l01X_mean vs slug



Right In: -39.091 $\pm$ 1.795 χ^2 /NDF: 73.0/11

Left Out: 21.984 $\pm$ 3.153 χ^2 /NDF:6.4/9

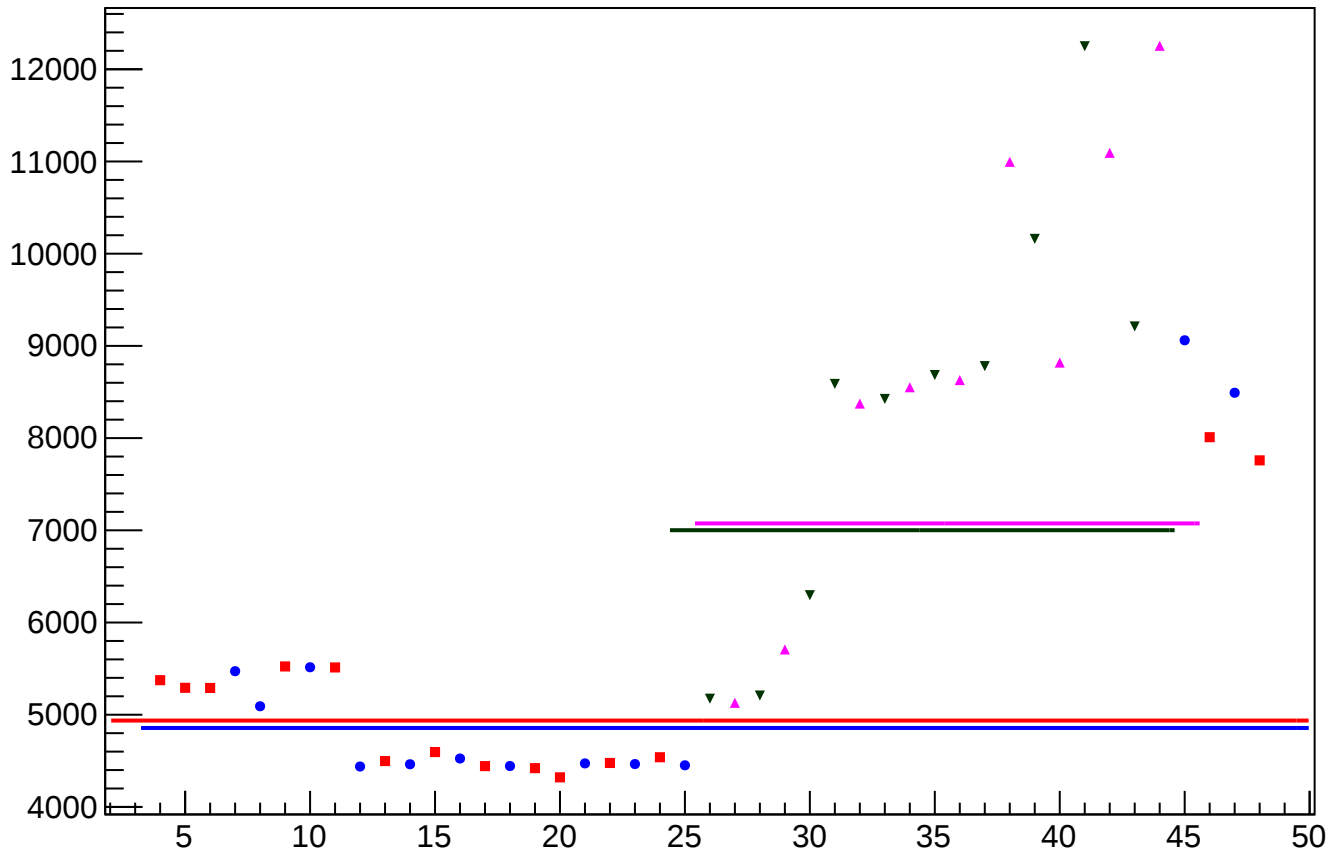
Right Out: 26.270 $\pm$ 1.843 χ^2 /NDF: 71.0/13

Left In: -4.429 $\pm$ 3.116 χ^2 /NDF:5.6/8

-24.135 $\pm$ 1.560 χ^2 /NDF: 362.8/21

18.310 $\pm$ 1.586 χ^2 /NDF: 148.5/22

diff_bpm0l01X_rms vs slug



Right In: 4856.348+/-1.270 χ^2/NDF : 542771.3/11

Left Out: 7001.132+/-2.229 χ^2/NDF : 831756.0/9

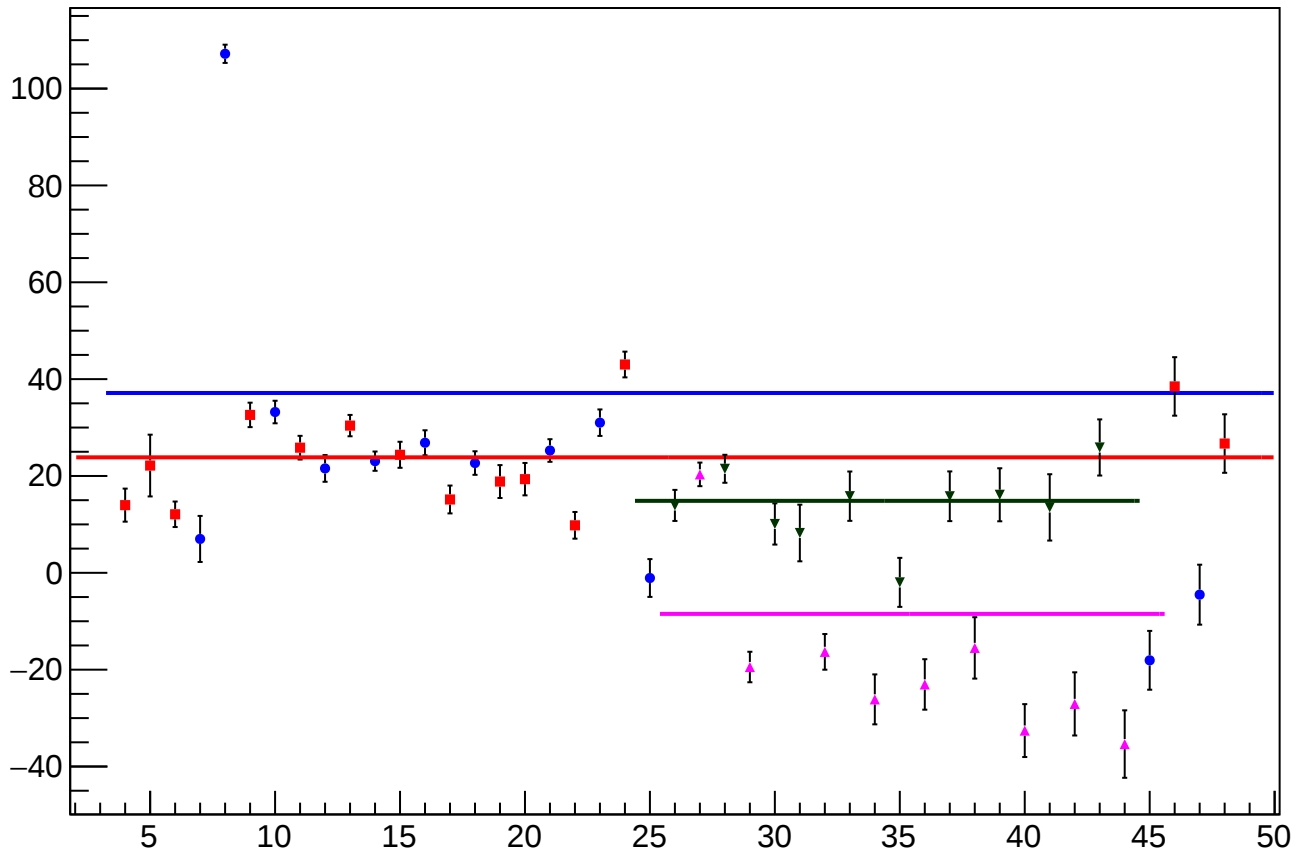
Right Out: 4936.765+/-1.303 χ^2/NDF : 390763.2/13

Left In: 7074.809+/-2.203 χ^2/NDF : 936436.4/8

5381.548+/-1.103 χ^2/NDF : 2073445.2/21

5491.124+/-1.122 χ^2/NDF : 2024859.0/22

diff_bpm0l01Y_mean vs slug



Right In: 37.139+/-0.779 χ^2/NDF : 1812.6/11

Left Out: 14.865+/-1.412 χ^2/NDF : 22.7/9

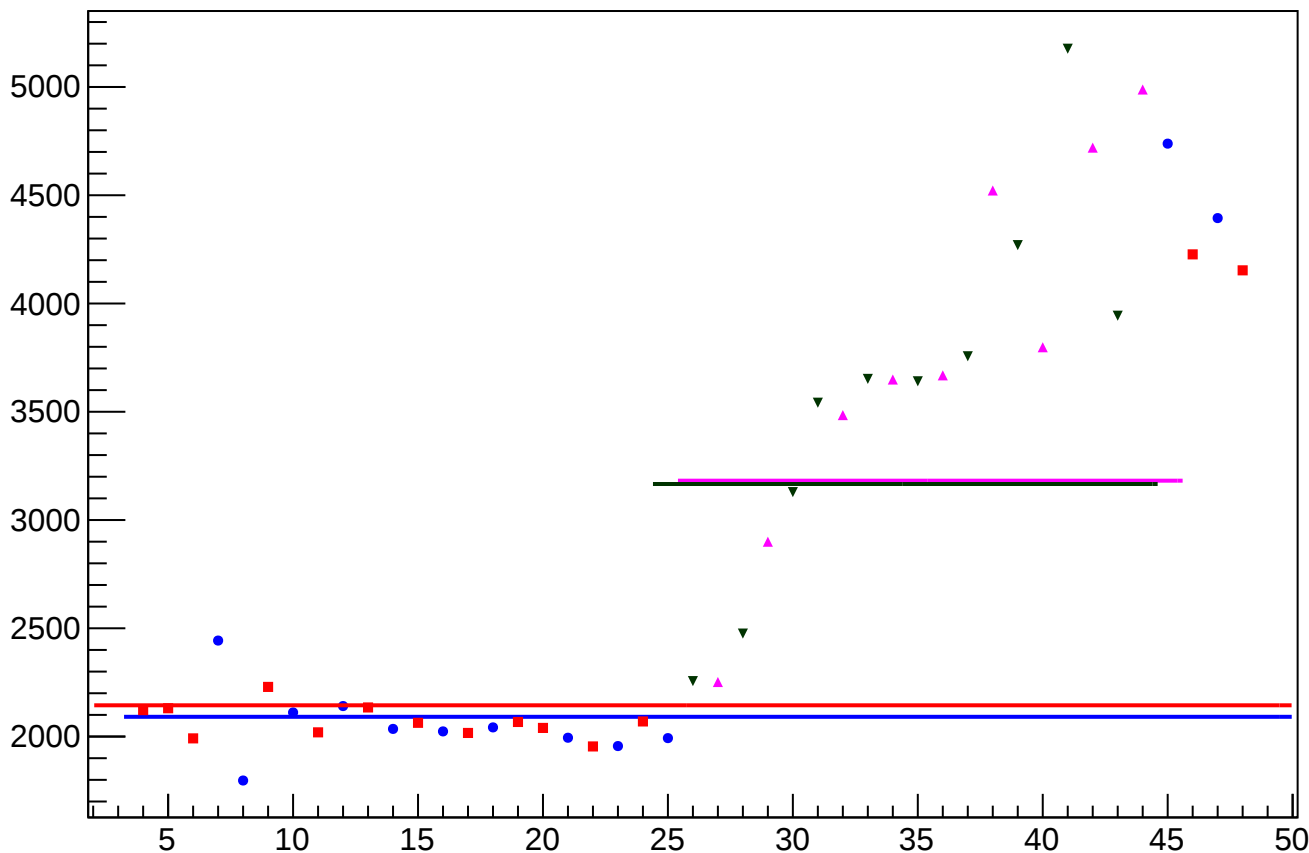
Right Out: 23.851+/-0.804 χ^2/NDF : 147.1/13

Left In: -8.480+/-1.387 χ^2/NDF : 219.8/8

31.945+/-0.682 χ^2/NDF : 2026.1/21

15.719+/-0.695 χ^2/NDF : 773.9/22

diff_bpm0l01Y_rms vs slug



Right In: 2091.196+/-0.551 χ^2 /NDF: 730477.3/11

Left Out: 3166.393+/-0.999 χ^2 /NDF:635521.0/9

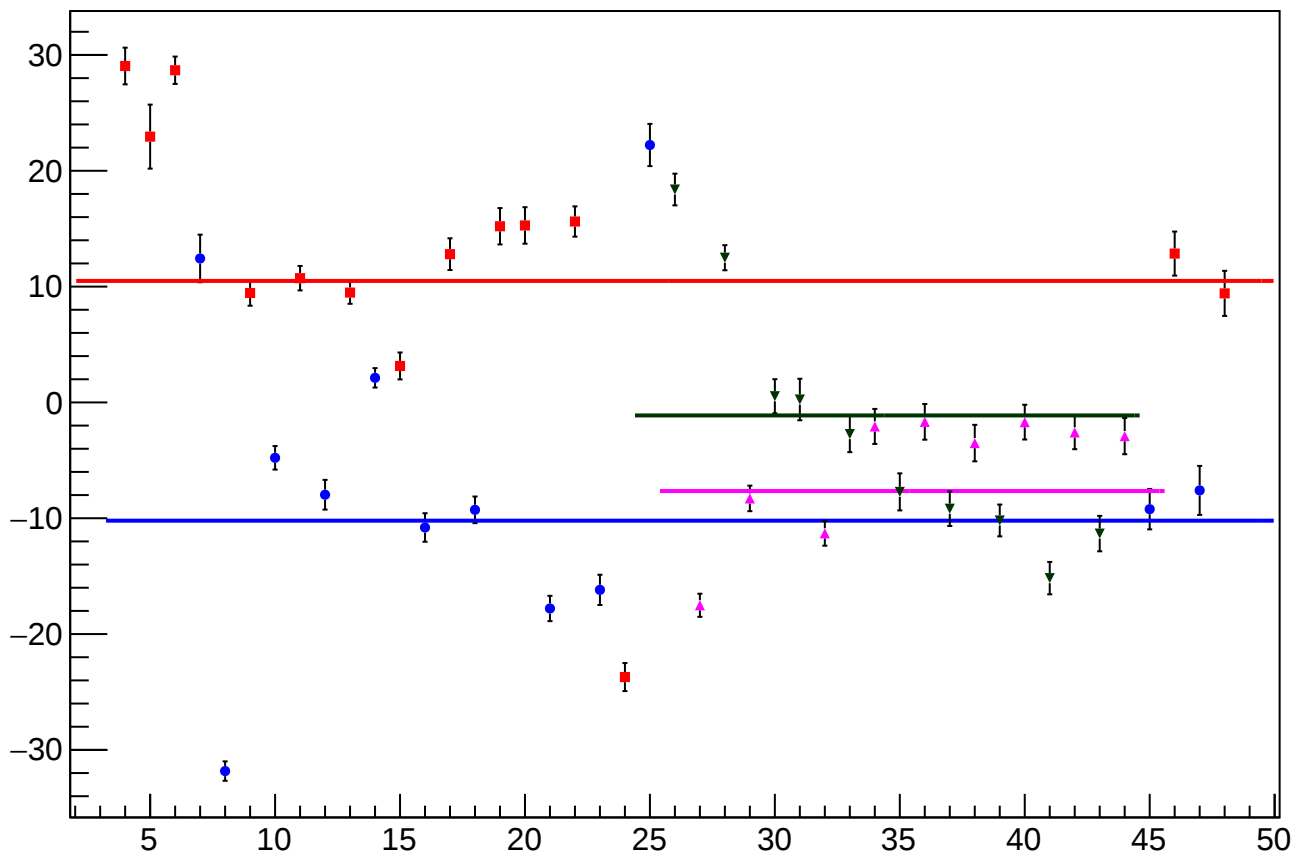
Right Out: 2144.326+/-0.568 χ^2 /NDF: 492978.2/13

Left In: 3181.733+/-0.981 χ^2 /NDF:715443.9/8

2341.904+/-0.482 χ^2 /NDF: 2255027.8/21

2405.253+/-0.492 χ^2 /NDF: 2046257.7/22

diff_bpm2i01X_mean vs slug



Right In: -10.209 ± 0.346 $\chi^2/\text{NDF}: 1422.3/11$

Left Out: -1.124 ± 0.453 $\chi^2/\text{NDF}: 599.1/9$

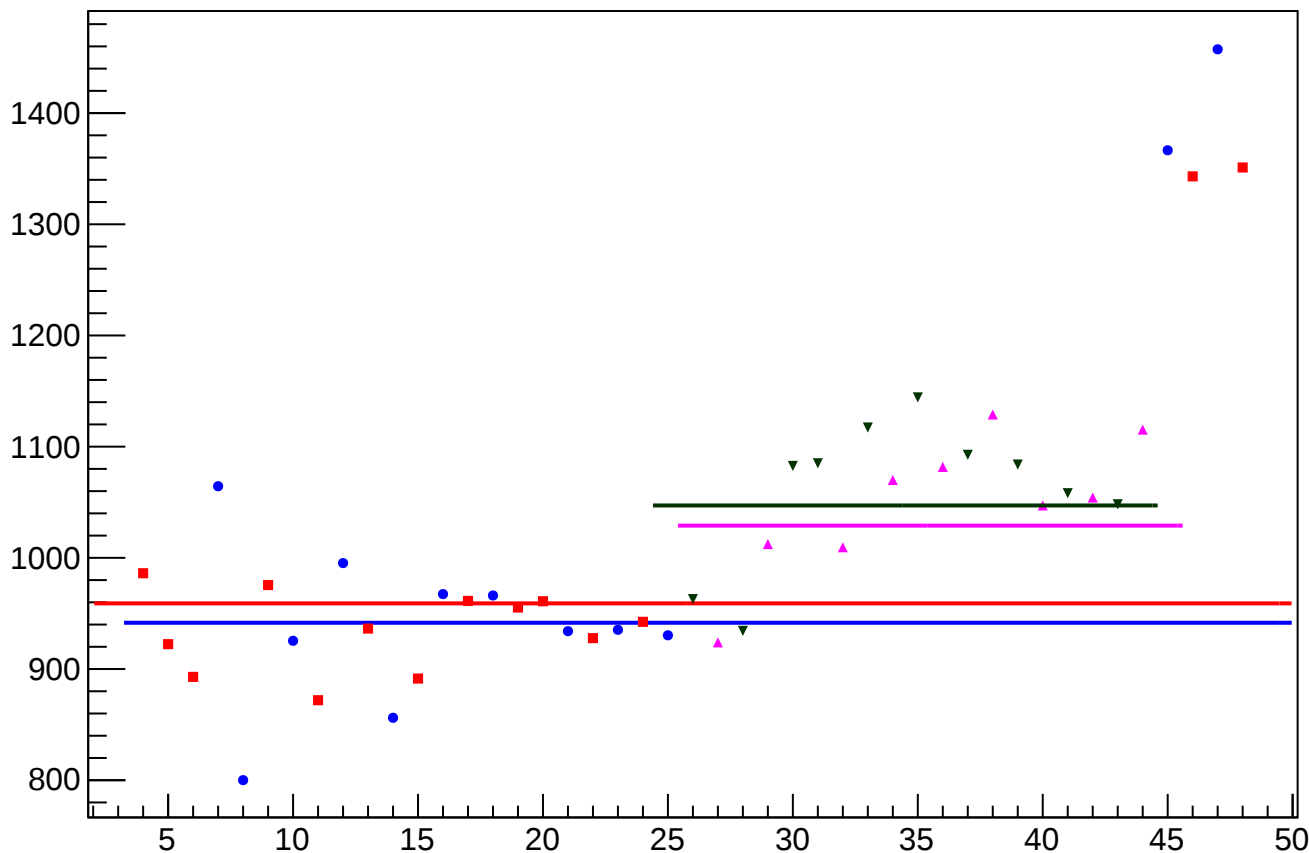
Right Out: 10.490 ± 0.355 $\chi^2/\text{NDF}: 1275.1/13$

Left In: -7.649 ± 0.435 $\chi^2/\text{NDF}: 182.1/8$

-6.858 ± 0.275 $\chi^2/\text{NDF}: 2275.6/21$

3.230 ± 0.275 $\chi^2/\text{NDF}: 2501.9/22$

diff_bpm2i01X_rms vs slug



Right In: 941.622 $\pm$ 0.245 χ^2 /NDF: 328527.8/11

Left Out: 1047.121 $\pm$ 0.320 χ^2 /NDF:46145.4/9

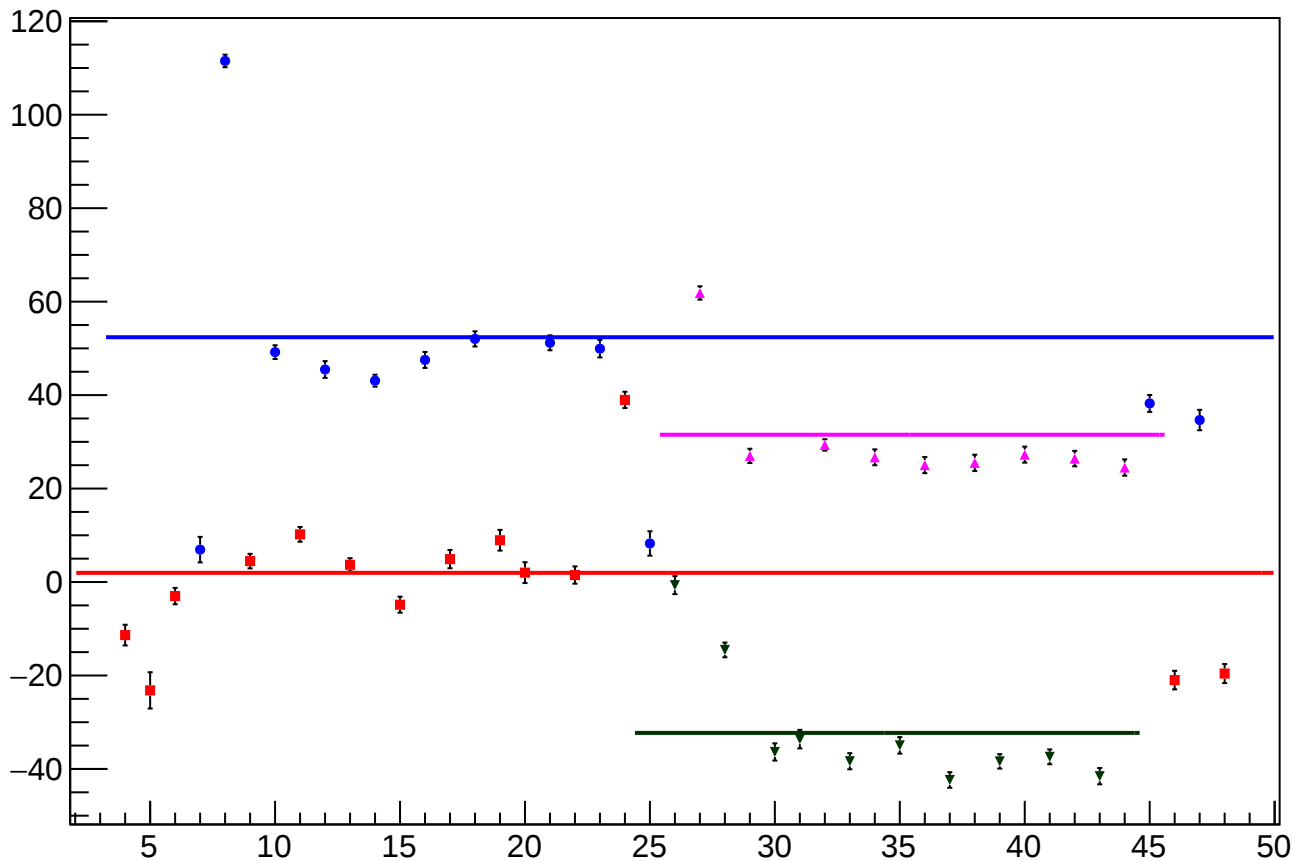
Right Out: 959.058 $\pm$ 0.251 χ^2 /NDF: 193321.0/13

Left In: 1028.985 $\pm$ 0.307 χ^2 /NDF:42067.0/8

980.534 $\pm$ 0.194 χ^2 /NDF: 443218.3/21

987.045 $\pm$ 0.194 χ^2 /NDF: 266436.3/22

diff_bpm2i01Y_mean vs slug



Right In: 52.389 $\pm$ 0.492 χ^2 /NDF: 2713.7/11

Left Out: -32.284 $\pm$ 0.544 χ^2 /NDF:507.1/9

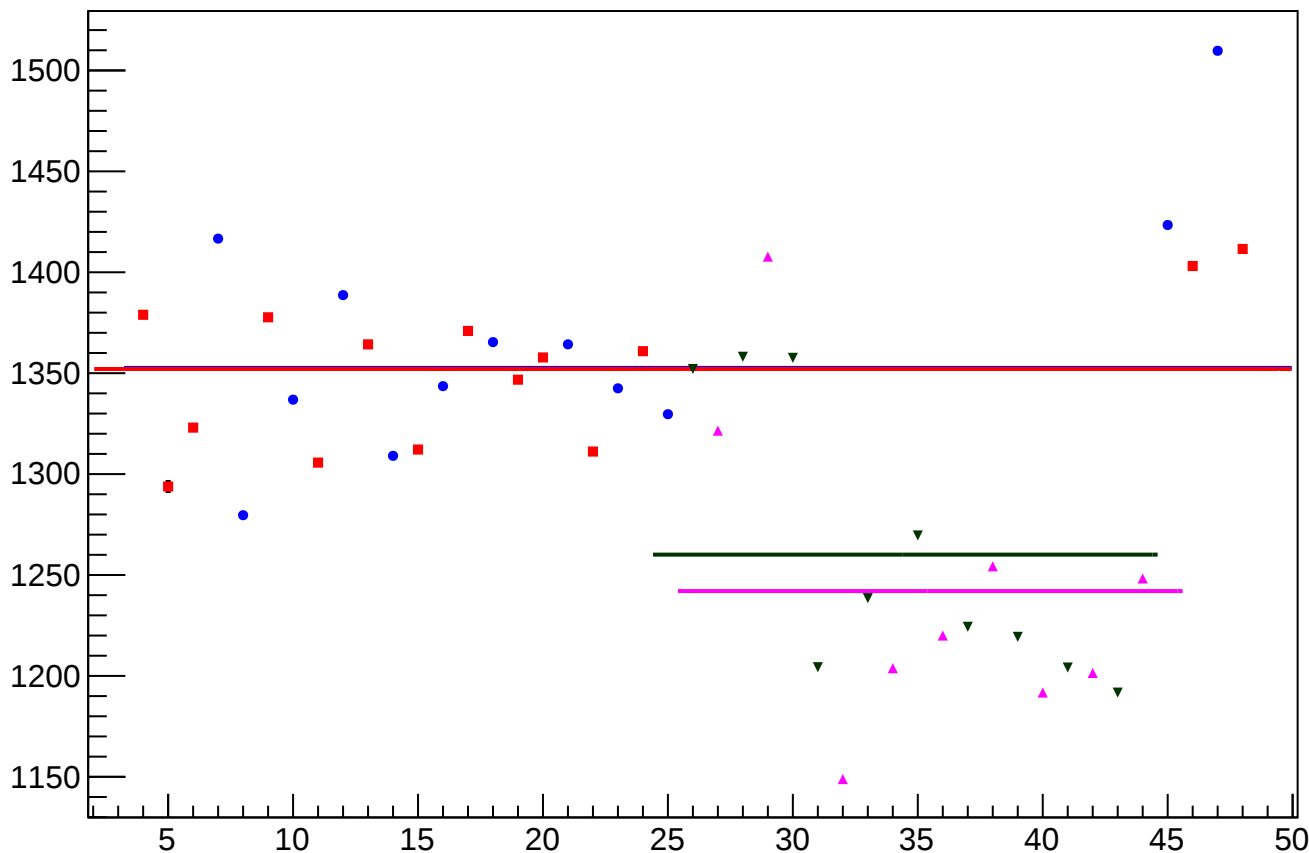
Right Out: 1.968 $\pm$ 0.498 χ^2 /NDF: 839.5/13

Left In: 31.519 $\pm$ 0.524 χ^2 /NDF:528.5/8

14.269 $\pm$ 0.365 χ^2 /NDF: 16535.2/21

15.985 $\pm$ 0.361 χ^2 /NDF: 3038.6/22

diff_bpm2i01Y_rms vs slug



Right In: 1352.622 $\pm$ 0.348 χ^2 /NDF: 24255.5/11

Left Out: 1260.097 $\pm$ 0.385 χ^2 /NDF: 27715.7/9

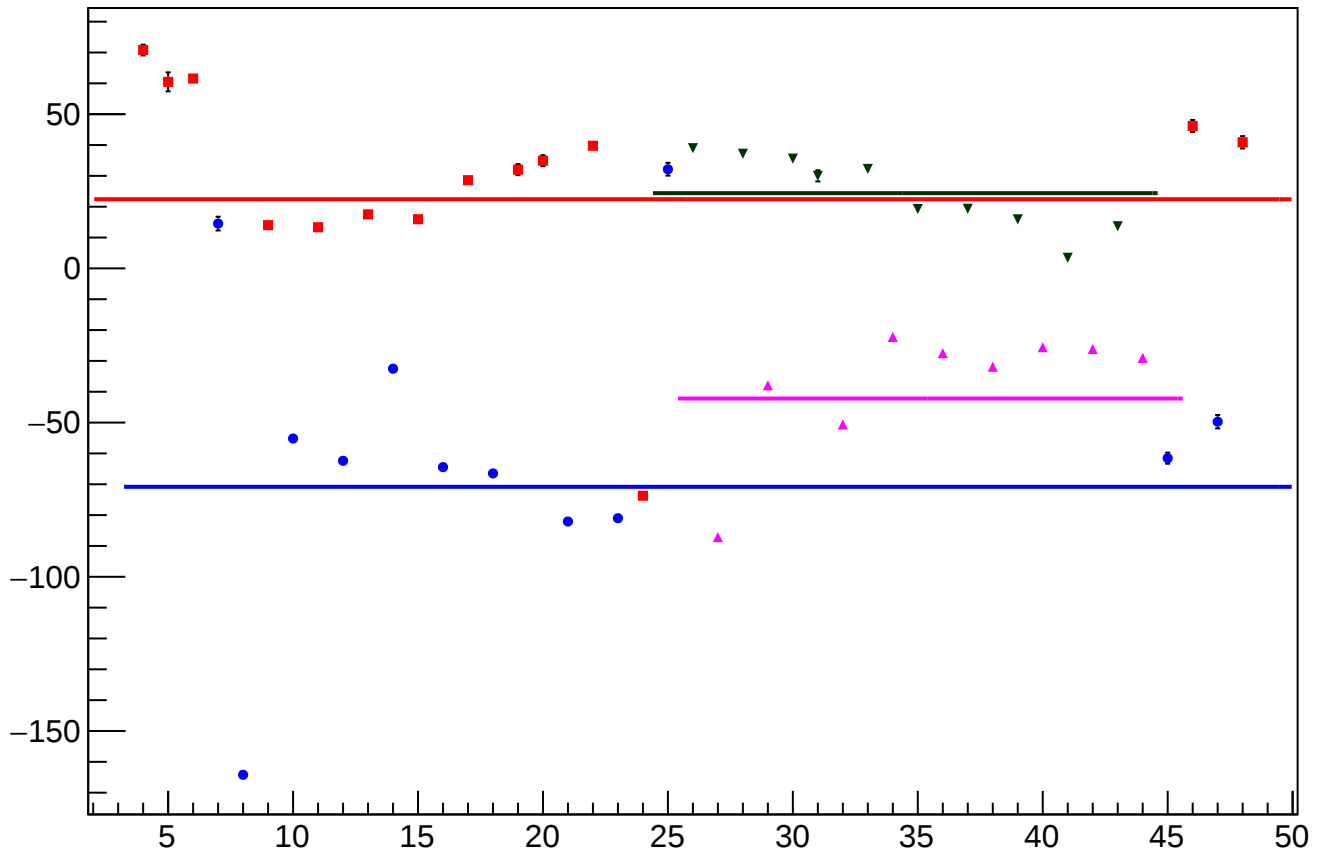
Right Out: 1352.072 $\pm$ 0.352 χ^2 /NDF: 9060.4/13

Left In: 1242.040 $\pm$ 0.371 χ^2 /NDF: 45832.2/8

1310.967 $\pm$ 0.258 χ^2 /NDF: 83767.8/21

1299.880 $\pm$ 0.255 χ^2 /NDF: 101213.1/22

diff_bpm2i02X_mean vs slug



Right In: -70.827 ± 0.391 χ^2/NDF : 15162.0/11

Left Out: 24.394 ± 0.474 χ^2/NDF : 609.0/9

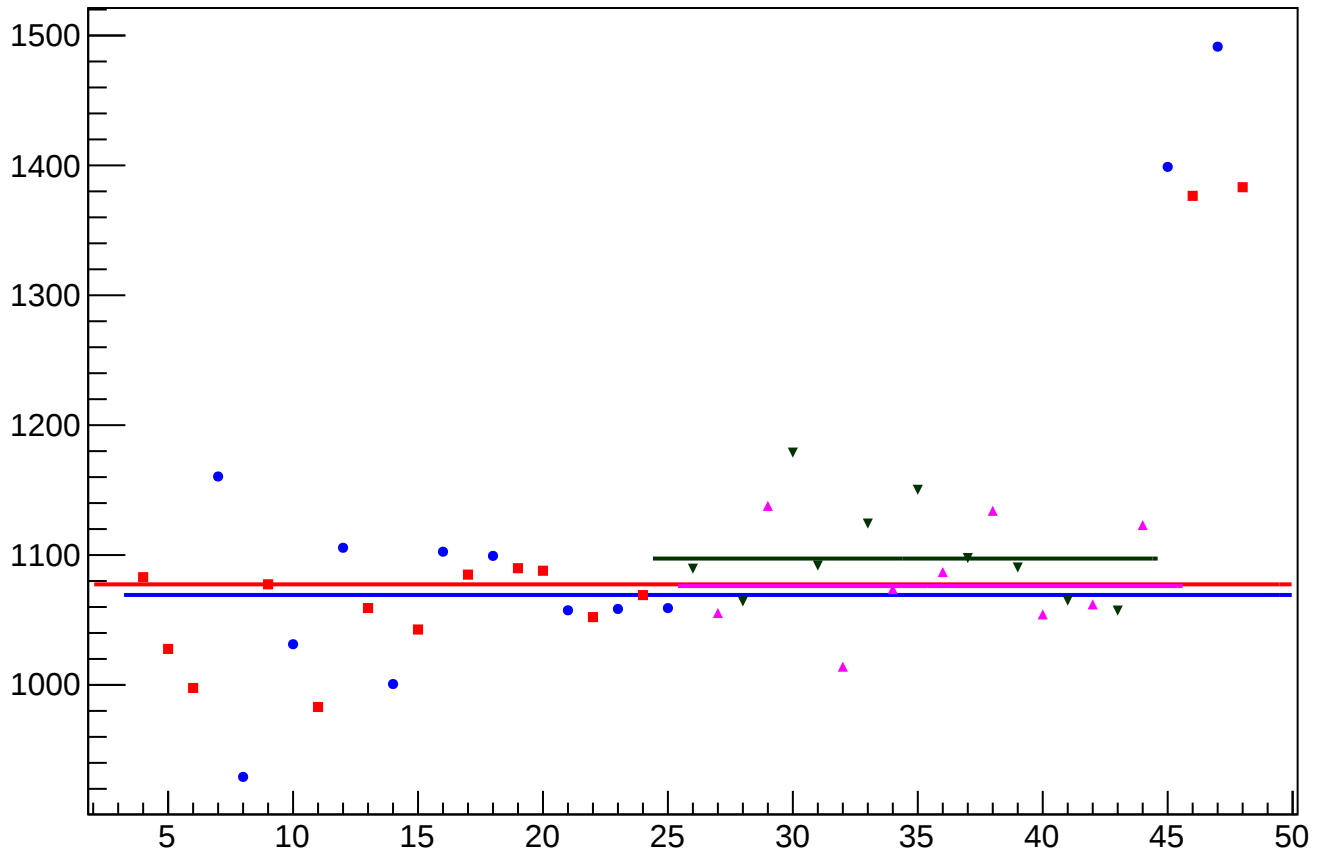
Right Out: 22.431 ± 0.398 χ^2/NDF : 7331.0/13

Left In: -42.193 ± 0.454 χ^2/NDF : 2243.7/8

-32.198 ± 0.302 χ^2/NDF : 39800.2/21

-5.638 ± 0.299 χ^2/NDF : 21038.3/22

diff_bpm2i02X_rms vs slug



Right In: 1069.271+/-0.277 χ^2/NDF : 204865.4/11

Left Out: 1097.296+/-0.335 χ^2/NDF : 11915.4/9

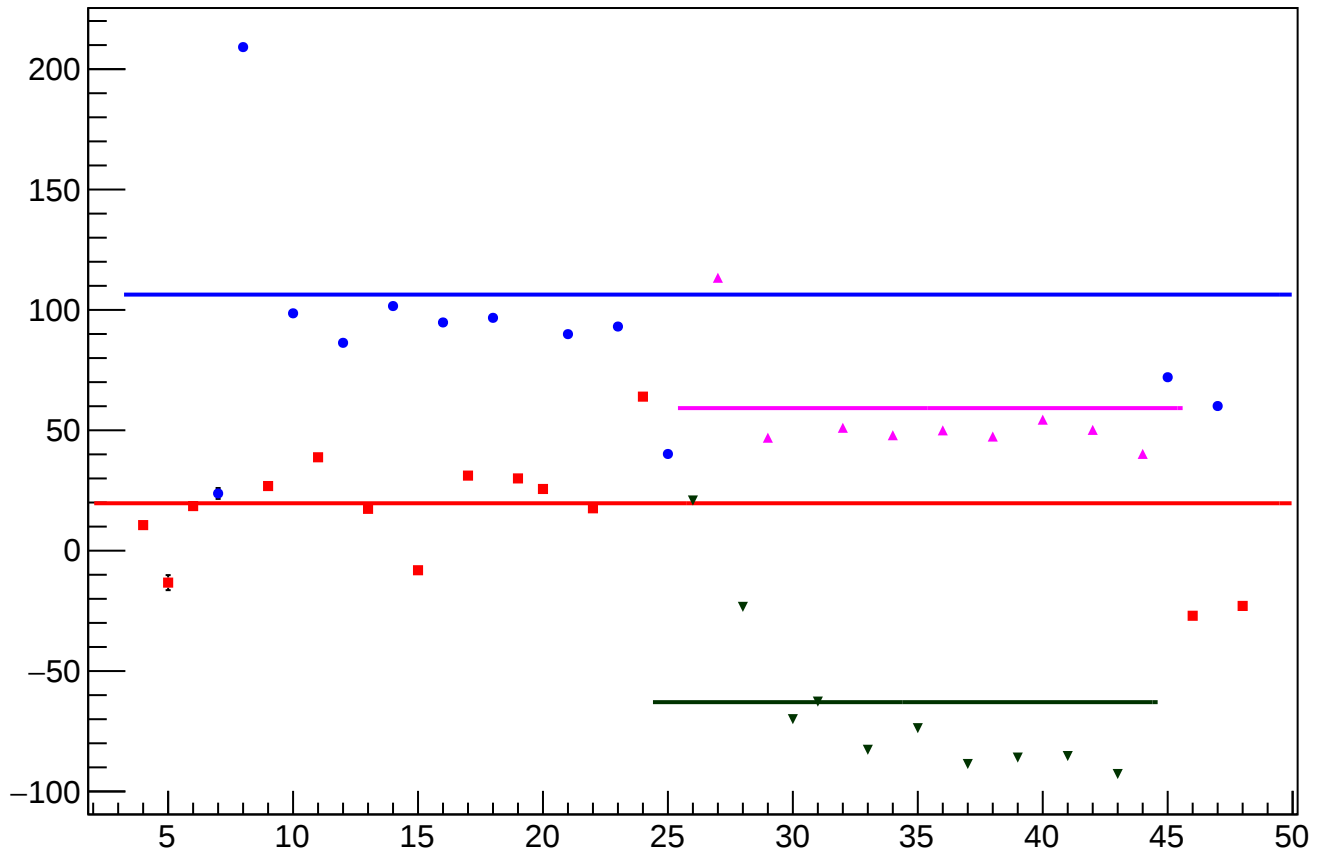
Right Out: 1077.435+/-0.281 χ^2/NDF : 117369.6/13

Left In: 1076.108+/-0.321 χ^2/NDF : 17511.2/8

1080.640+/-0.213 χ^2/NDF : 220943.7/21

1076.858+/-0.212 χ^2/NDF : 134890.5/22

diff_bpm2i02Y_mean vs slug



Right In: 106.363 $\pm$ 0.396 χ^2 /NDF: 14281.2/11

Left Out: -62.914 $\pm$ 0.478 χ^2 /NDF: 5328.9/9

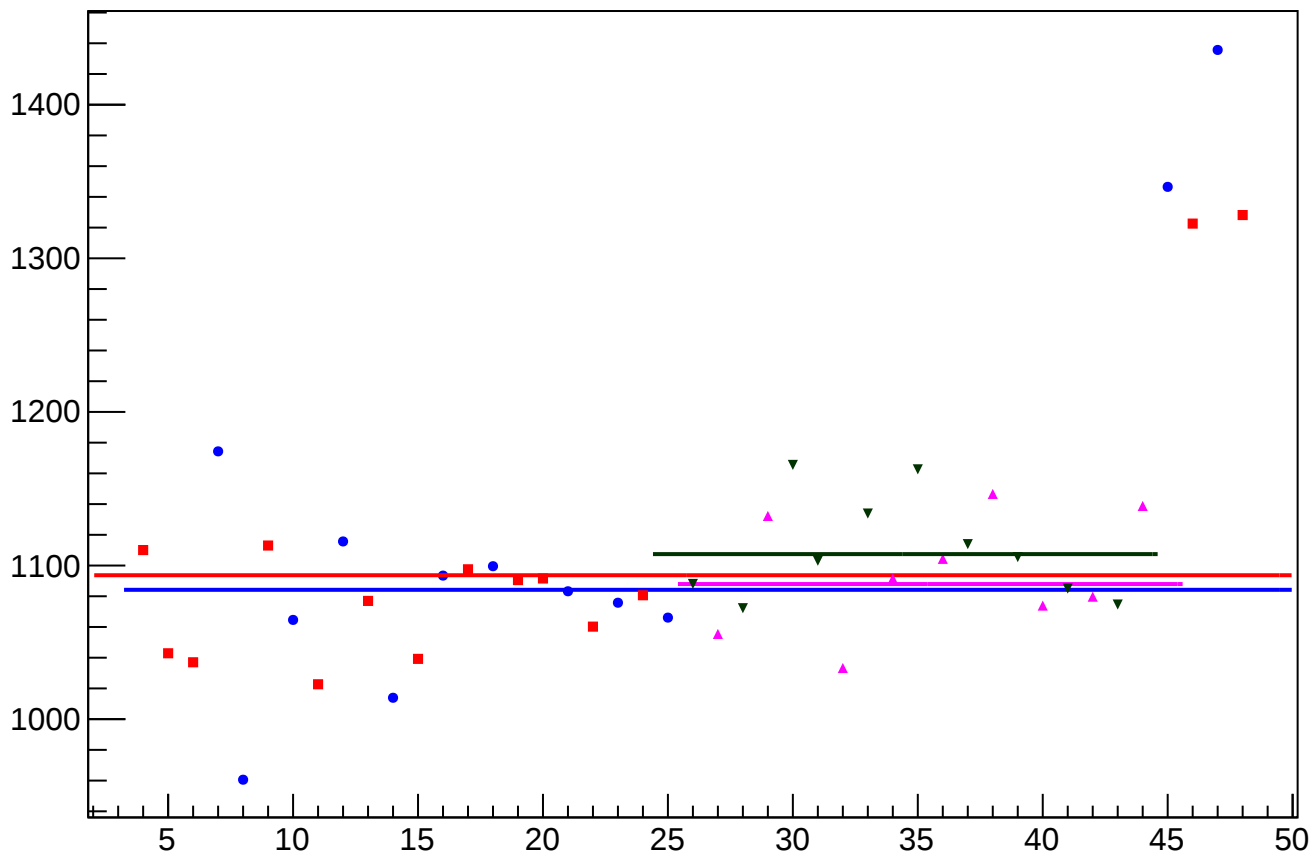
Right Out: 19.695 $\pm$ 0.403 χ^2 /NDF: 3072.6/13

Left In: 59.213 $\pm$ 0.459 χ^2 /NDF: 2740.6/8

37.413 $\pm$ 0.305 χ^2 /NDF: 94011.9/21

36.926 $\pm$ 0.303 χ^2 /NDF: 9999.1/22

diff_bpm2i02Y_rms vs slug



Right In: 1084.198+/-0.280 χ^2/NDF : 148917.1/11

Left Out: 1107.440+/-0.338 χ^2/NDF :8902.6/9

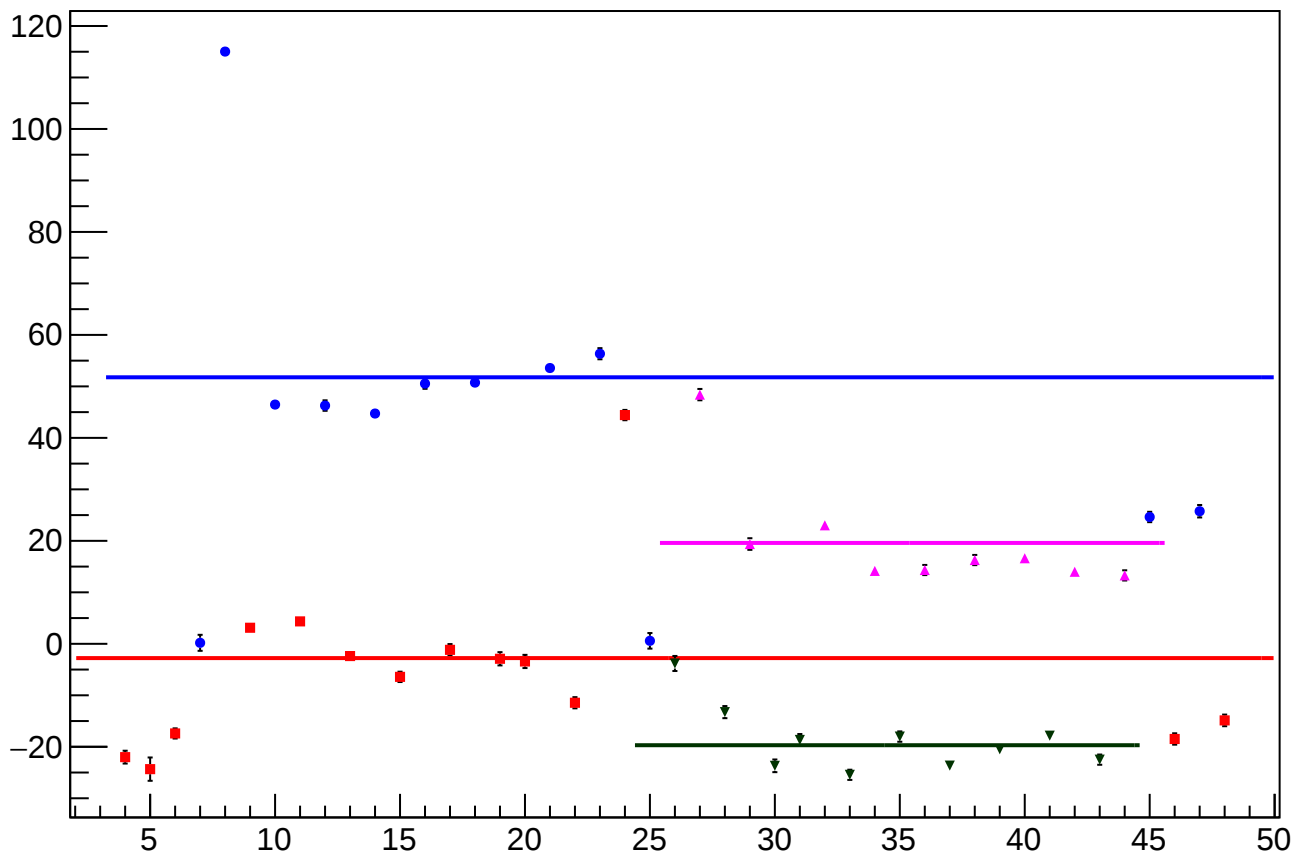
Right Out: 1093.687+/-0.285 χ^2/NDF : 75930.6/13

Left In: 1087.950+/-0.324 χ^2/NDF :14406.0/8

1093.665+/-0.216 χ^2/NDF : 160624.9/21

1091.186+/-0.214 χ^2/NDF : 90513.1/22

diff_bpm1i04X_mean vs slug



Right In: 51.766 $\pm$ 0.281 χ^2 /NDF: 10580.6/11

Left Out: -19.696 $\pm$ 0.329 χ^2 /NDF: 226.0/9

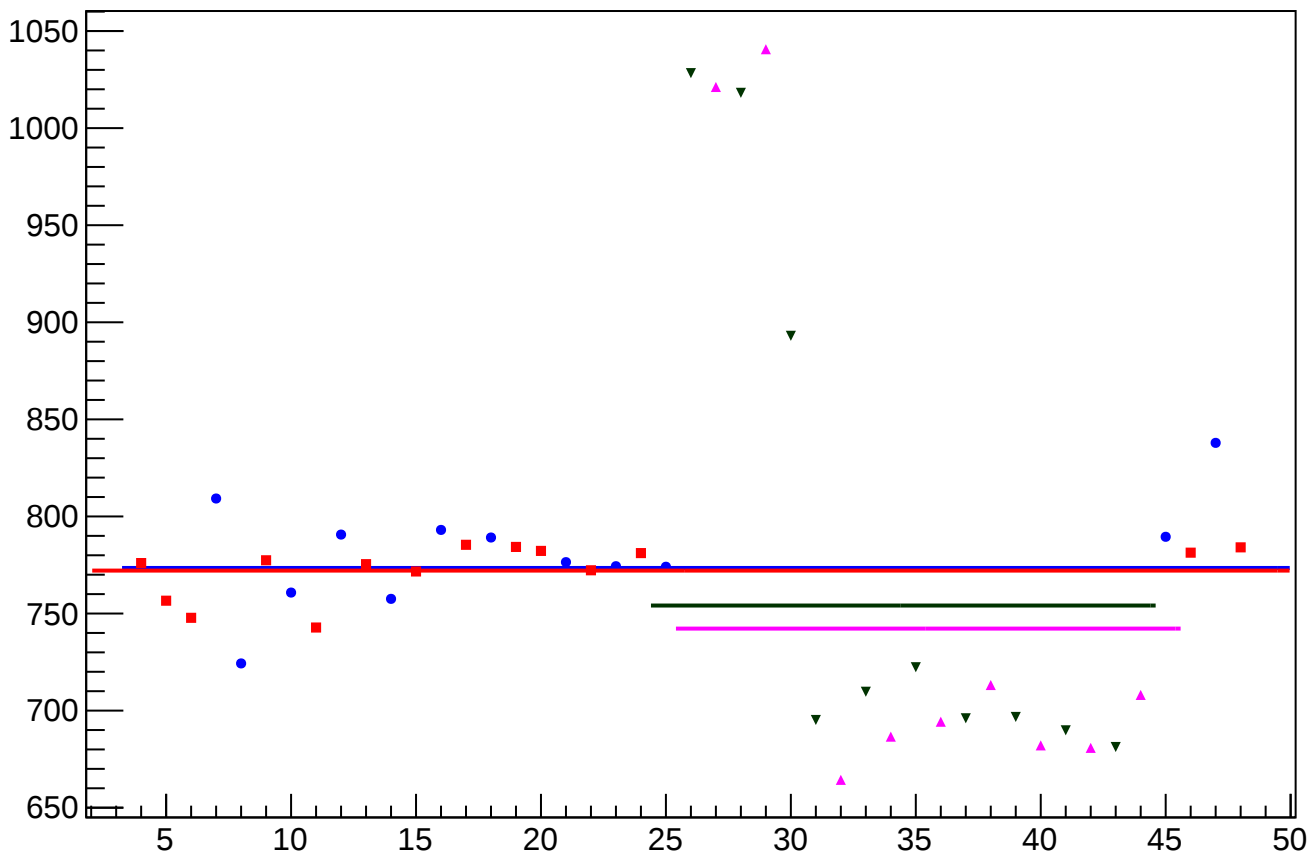
Right Out: -2.774 $\pm$ 0.284 χ^2 /NDF: 3271.3/13

Left In: 19.595 $\pm$ 0.317 χ^2 /NDF: 863.4/8

21.646 $\pm$ 0.214 χ^2 /NDF: 38063.9/21

7.178 $\pm$ 0.211 χ^2 /NDF: 6898.1/22

diff_bpm1i04X_rms vs slug



Right In: 773.466+/-0.199 χ^2/NDF : 18935.5/11

Left Out: 754.119+/-0.233 χ^2/NDF : 244495.9/9

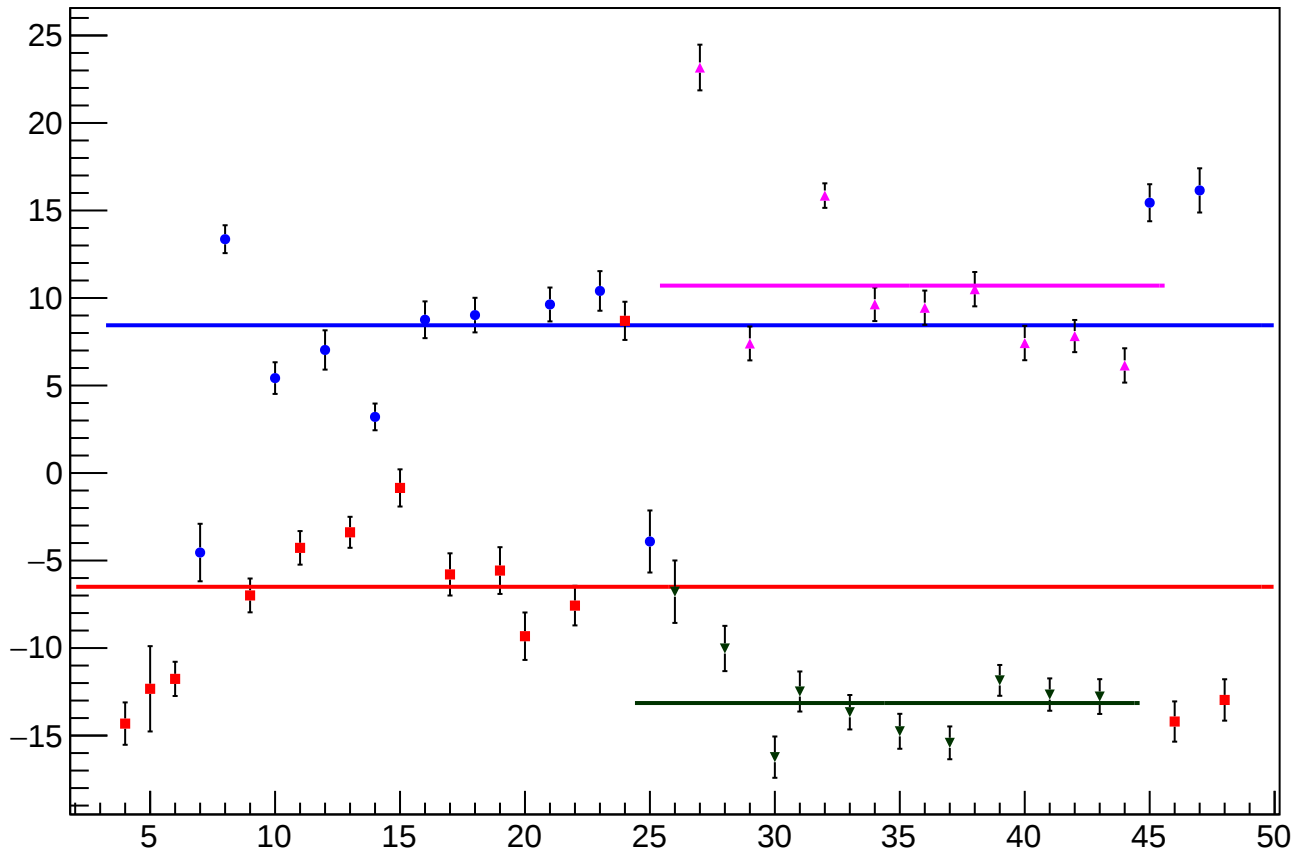
Right Out: 772.117+/-0.201 χ^2/NDF : 4676.6/13

Left In: 742.240+/-0.224 χ^2/NDF : 324033.0/8

765.312+/-0.151 χ^2/NDF : 267427.4/21

758.824+/-0.150 χ^2/NDF : 338568.9/22

diff_bpm1i04Y_mean vs slug



Right In: 8.442 $\pm$ 0.298 χ^2 /NDF: 294.9/11

Left Out: -13.141 $\pm$ 0.333 χ^2 /NDF: 37.1/9

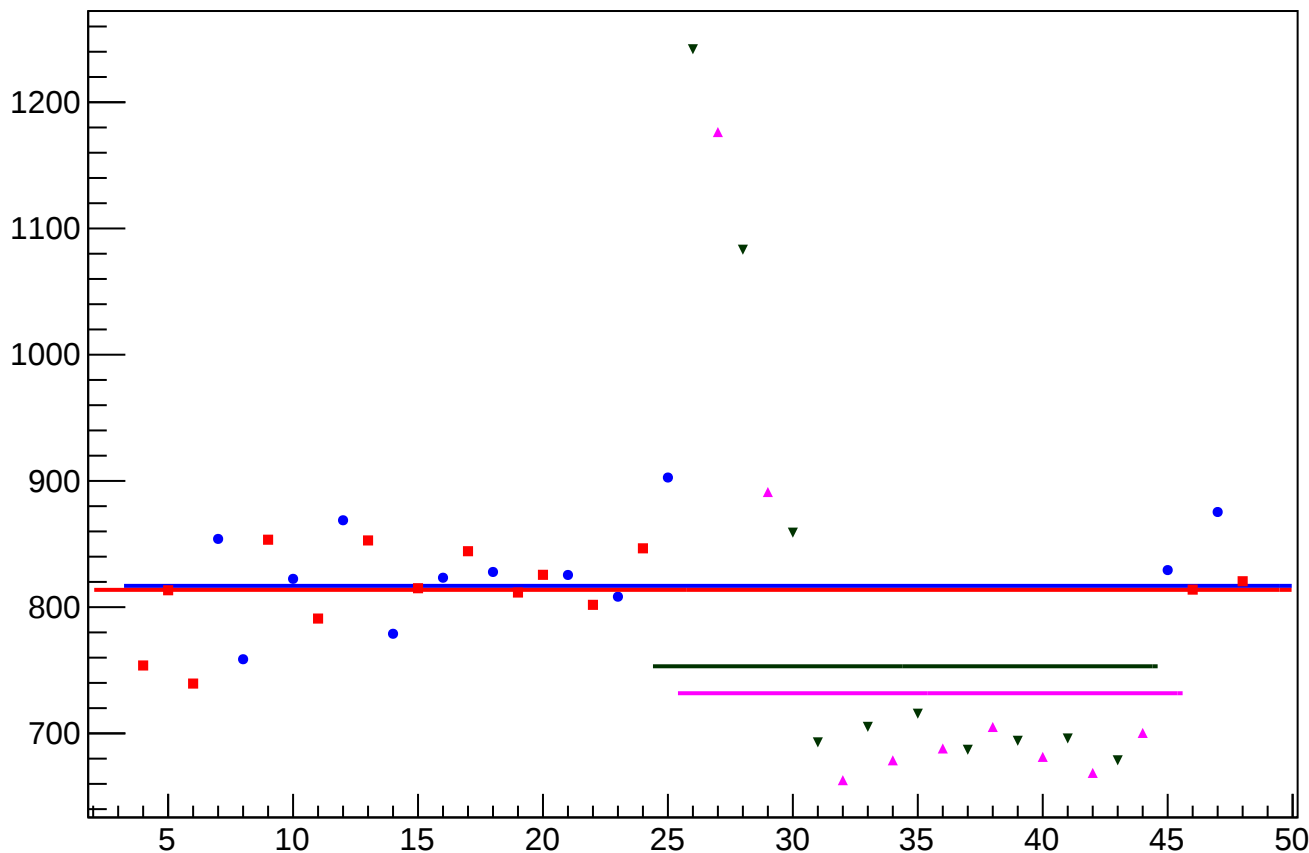
Right Out: -6.500 $\pm$ 0.300 χ^2 /NDF: 397.4/13

Left In: 10.708 $\pm$ 0.314 χ^2 /NDF: 202.2/8

-1.152 $\pm$ 0.222 χ^2 /NDF: 2671.2/21

1.709 $\pm$ 0.217 χ^2 /NDF: 2167.6/22

diff_bpm1i04Y_rms vs slug



Right In: 816.869 $\pm$ 0.210 χ^2 /NDF: 30839.5/11

Left Out: 753.162 $\pm$ 0.235 χ^2 /NDF: 347457.9/9

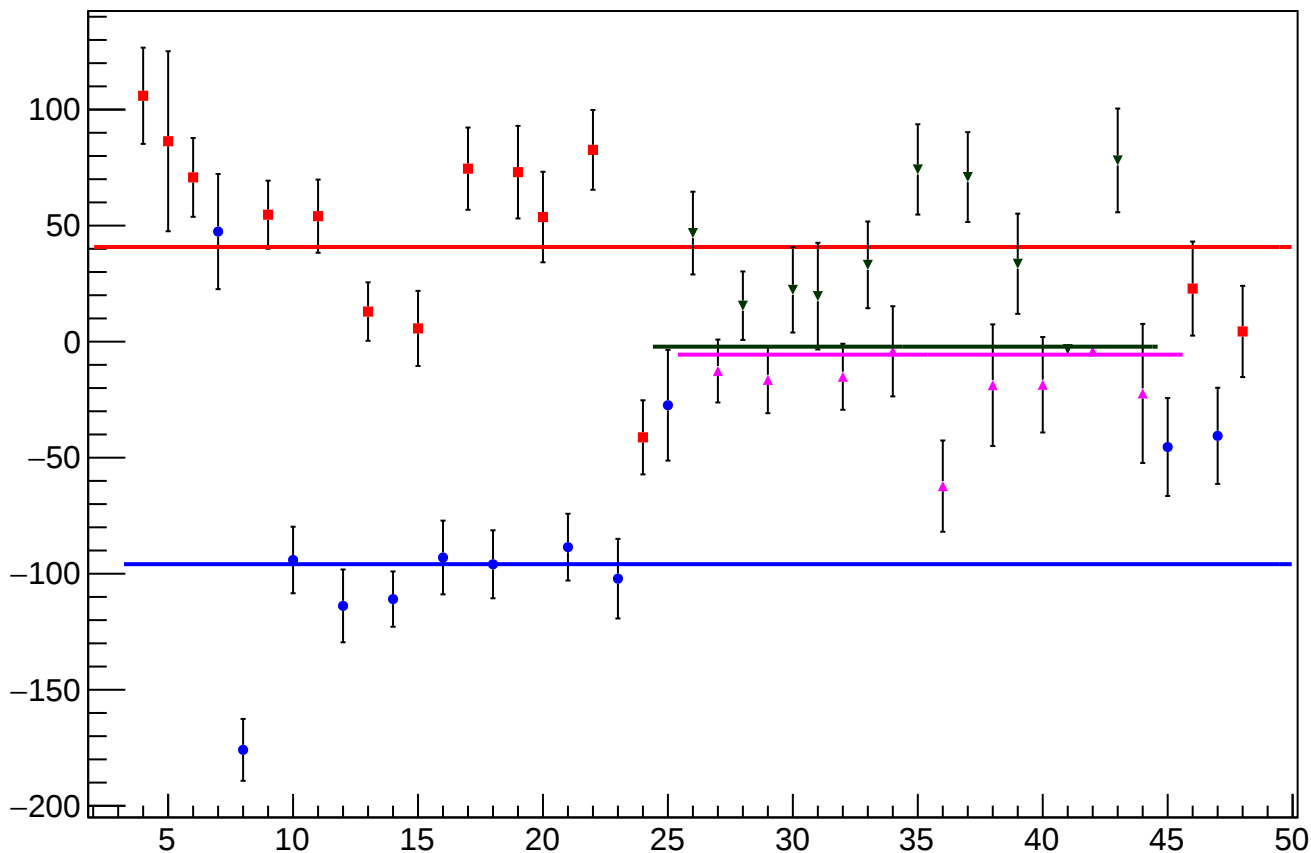
Right Out: 813.710 $\pm$ 0.212 χ^2 /NDF: 28402.9/13

Left In: 731.813 $\pm$ 0.222 χ^2 /NDF: 333966.6/8

788.552 $\pm$ 0.157 χ^2 /NDF: 419058.0/21

774.643 $\pm$ 0.153 χ^2 /NDF: 433400.5/22

diff_bpm0l02X_mean vs slug



Right In: -95.883±/4.641 χ^2/NDF : 93.8/11

Left Out: -2.165±/0.972 χ^2/NDF : 61.6/9

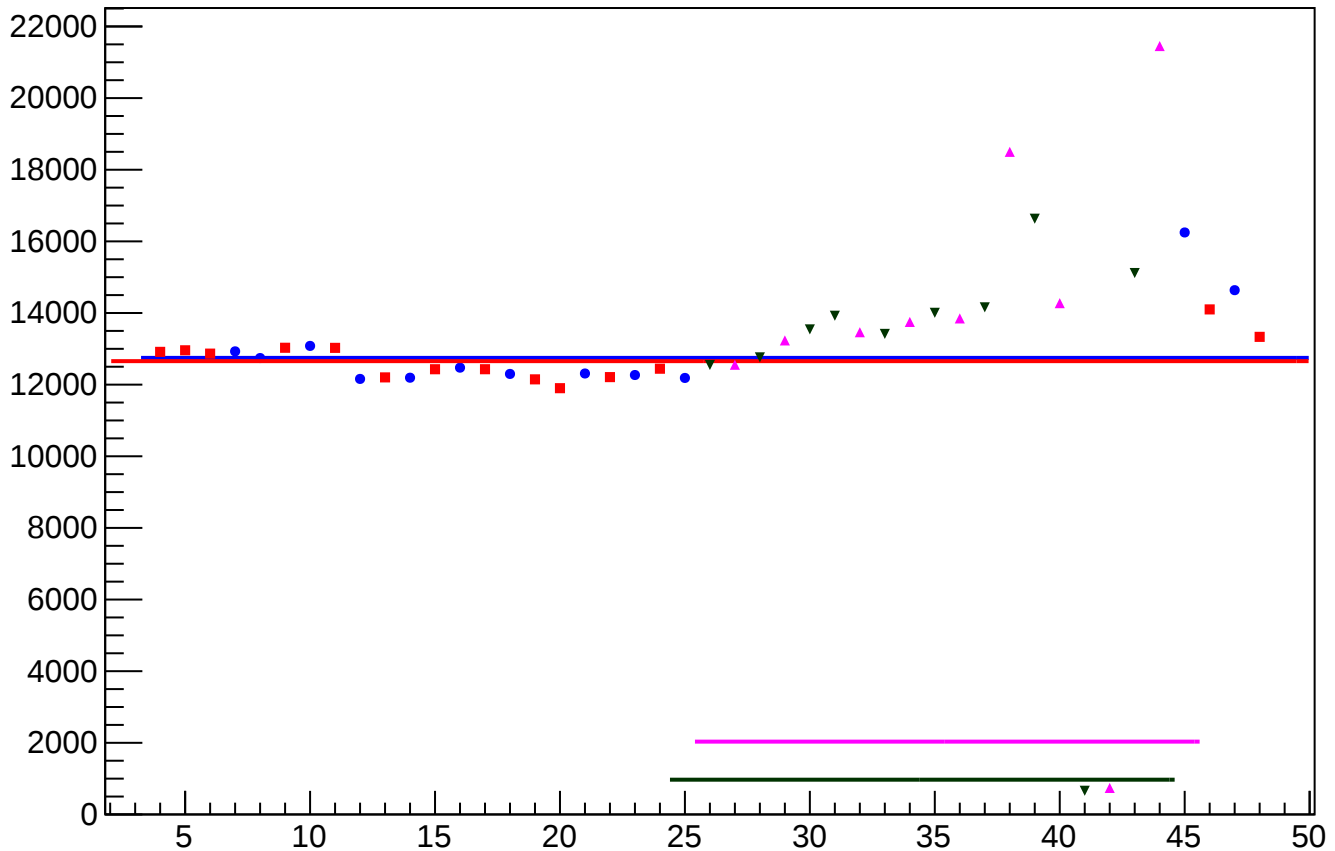
Right Out: 40.773±/4.667 χ^2/NDF : 68.8/13

Left In: -5.599±/1.958 χ^2/NDF : 11.1/8

-6.101±/0.951 χ^2/NDF : 546.0/21

1.342±/1.806 χ^2/NDF : 163.8/22

diff_bpm0l02X_rms vs slug



Right In: 12746.940+/-3.282 χ^2/NDF : 86989.0/11

Left Out: 970.582+/-0.687 χ^2/NDF : 8456735.2/9

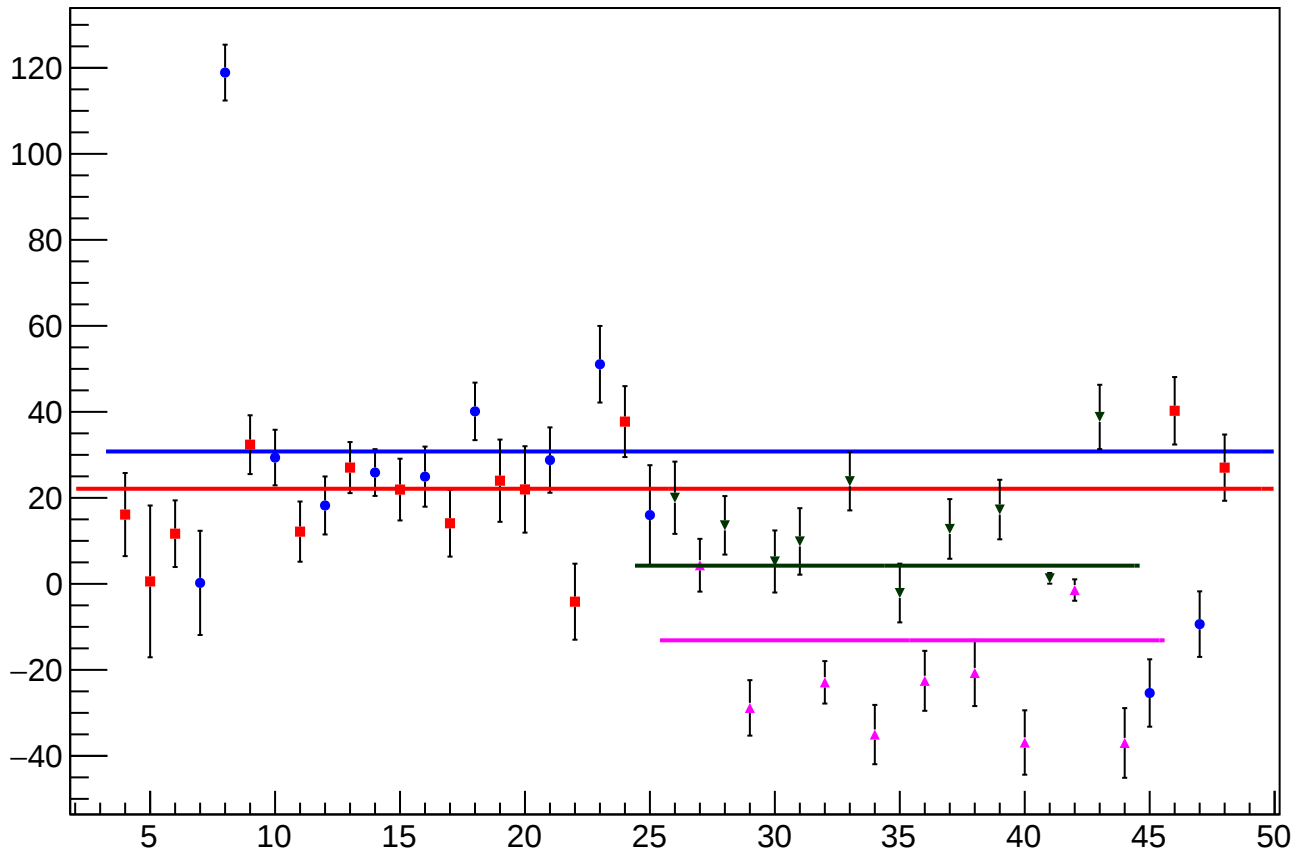
Right Out: 12656.044+/-3.300 χ^2/NDF : 24982.5/13

Left In: 2033.232+/-1.385 χ^2/NDF : 8290377.8/8

1465.149+/-0.673 χ^2/NDF : 20877843.9/21

3623.170+/-1.277 χ^2/NDF : 17125670.4/22

diff_bpm0l02Y_mean vs slug



Right In: 30.788 ± 2.113 χ^2/NDF : 283.4/11

Left Out: 4.234 ± 1.105 χ^2/NDF : 47.2/9

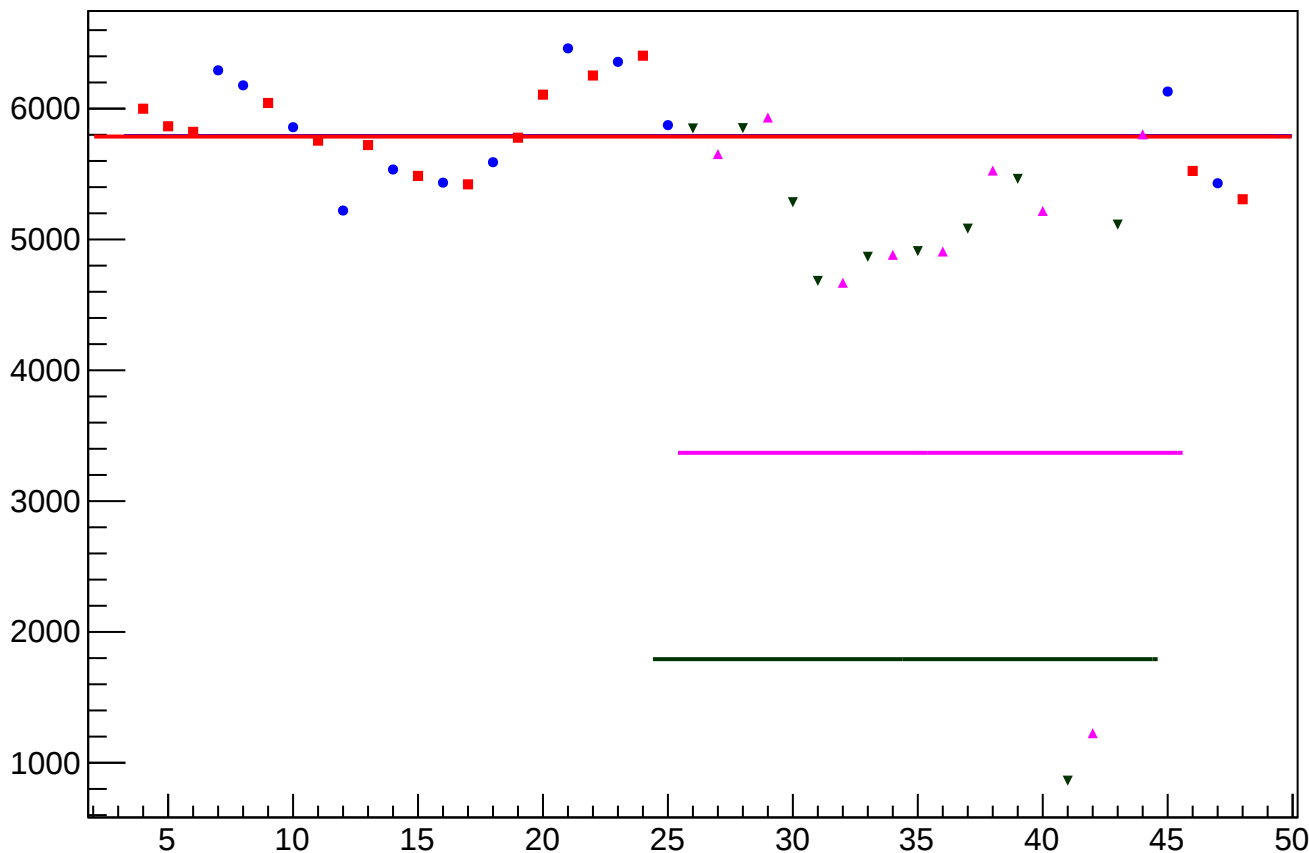
Right Out: 22.121 ± 2.141 χ^2/NDF : 27.9/13

Left In: -13.126 ± 1.704 χ^2/NDF : 71.6/8

9.938 ± 0.979 χ^2/NDF : 454.6/21

0.545 ± 1.333 χ^2/NDF : 265.5/22

diff_bpm0l02Y_rms vs slug



Right In: 5790.531 $\pm$ 1.494 χ^2 /NDF: 68461.0/11

Left Out: 1792.038 $\pm$ 0.782 χ^2 /NDF: 5271430.0/9

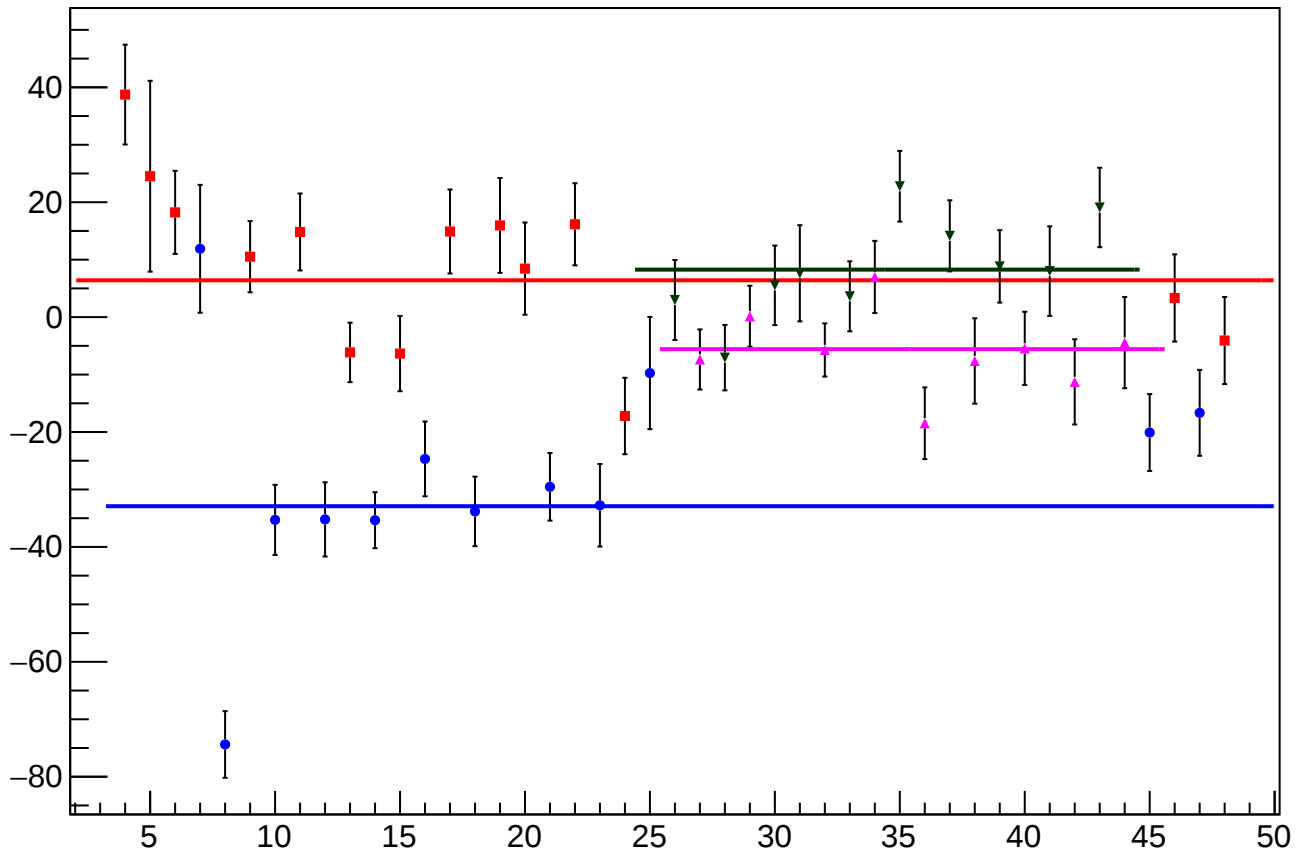
Right Out: 5786.664 $\pm$ 1.514 χ^2 /NDF: 40912.1/13

Left In: 3369.133 $\pm$ 1.205 χ^2 /NDF: 2866176.4/8

2650.937 $\pm$ 0.693 χ^2 /NDF: 10962071.7/21

4306.776 $\pm$ 0.943 χ^2 /NDF: 4468712.4/22

diff_bpm0l03X_mean vs slug



Right In: -32.913 ± 1.887 χ^2/NDF : 83.8/11

Left Out: 8.269 ± 2.091 χ^2/NDF : 17.5/9

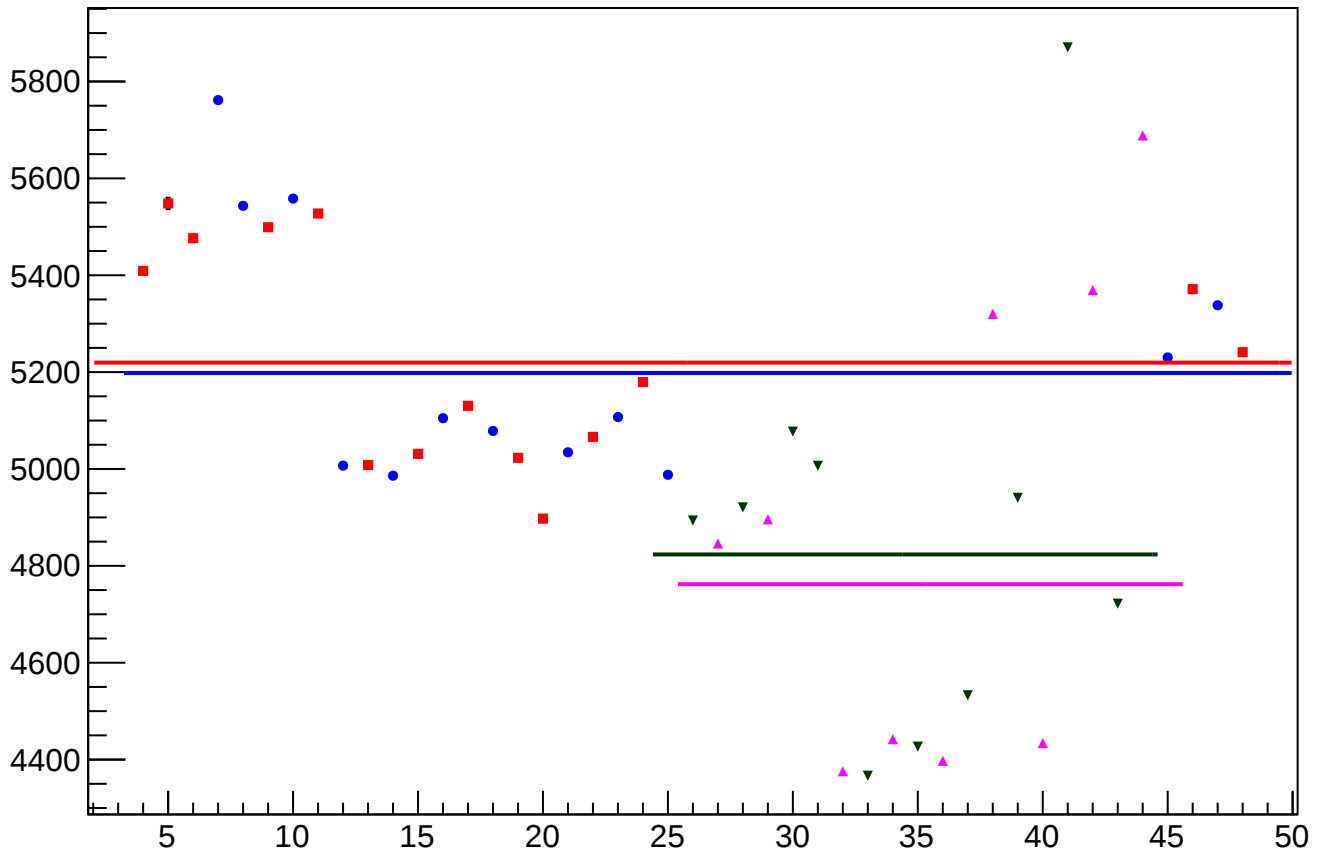
Right Out: 6.410 ± 1.921 χ^2/NDF : 48.7/13

Left In: -5.574 ± 2.014 χ^2/NDF : 10.3/8

-14.428 ± 1.401 χ^2/NDF : 315.0/21

0.700 ± 1.390 χ^2/NDF : 77.5/22

diff_bpm0l03X_rms vs slug



Right In: 5198.160+/-1.335 χ^2/NDF : 29446.7/11

Left Out: 4823.564+/-1.479 χ^2/NDF : 65634.4/9

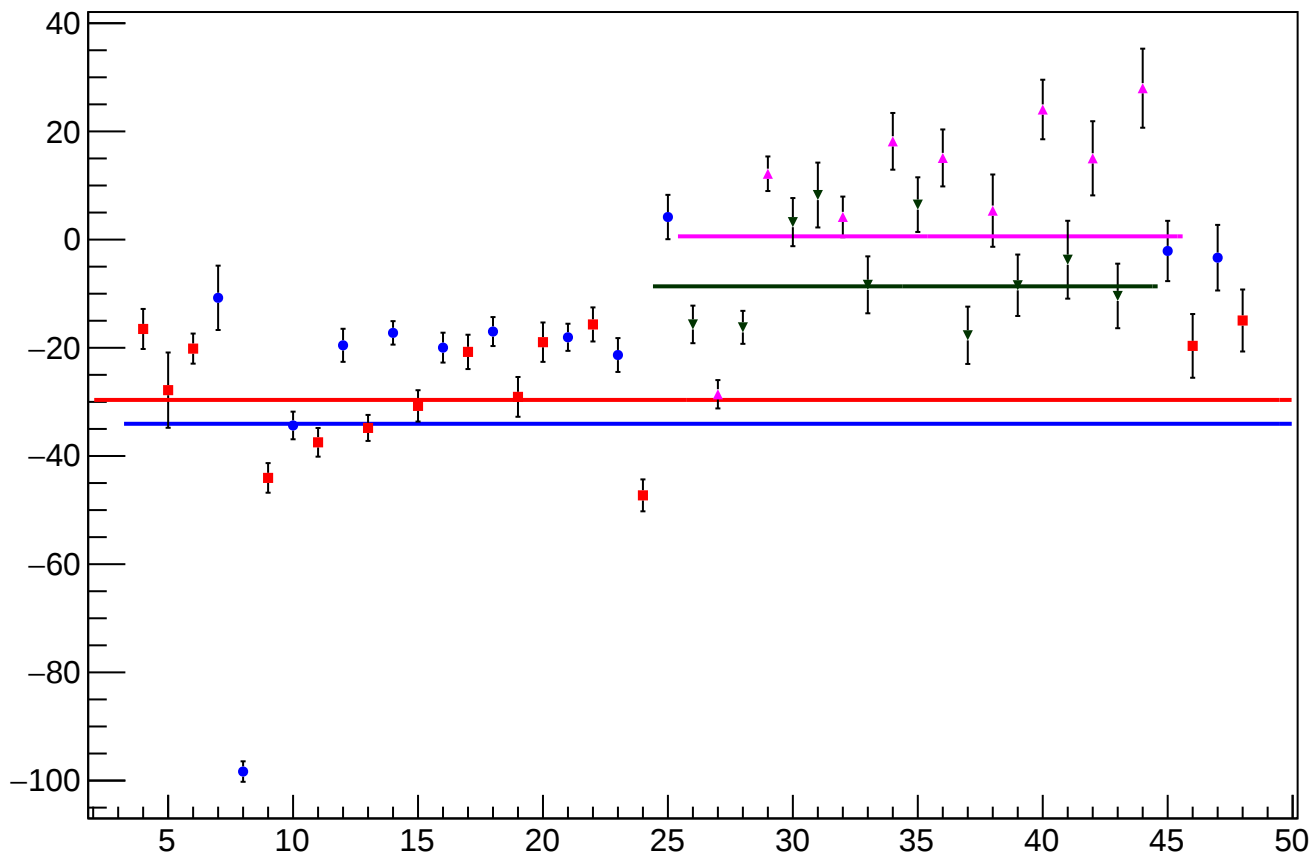
Right Out: 5219.575+/-1.359 χ^2/NDF : 24013.2/13

Left In: 4762.141+/-1.424 χ^2/NDF : 84948.8/8

5030.018+/-0.991 χ^2/NDF : 130441.4/21

5001.608+/-0.983 χ^2/NDF : 162978.9/22

diff_bpm0l03Y_mean vs slug



Right In: -34.048+/-0.836 χ^2/NDF : 1520.3/11

Left Out: -8.640+/-1.477 χ^2/NDF : 37.8/9

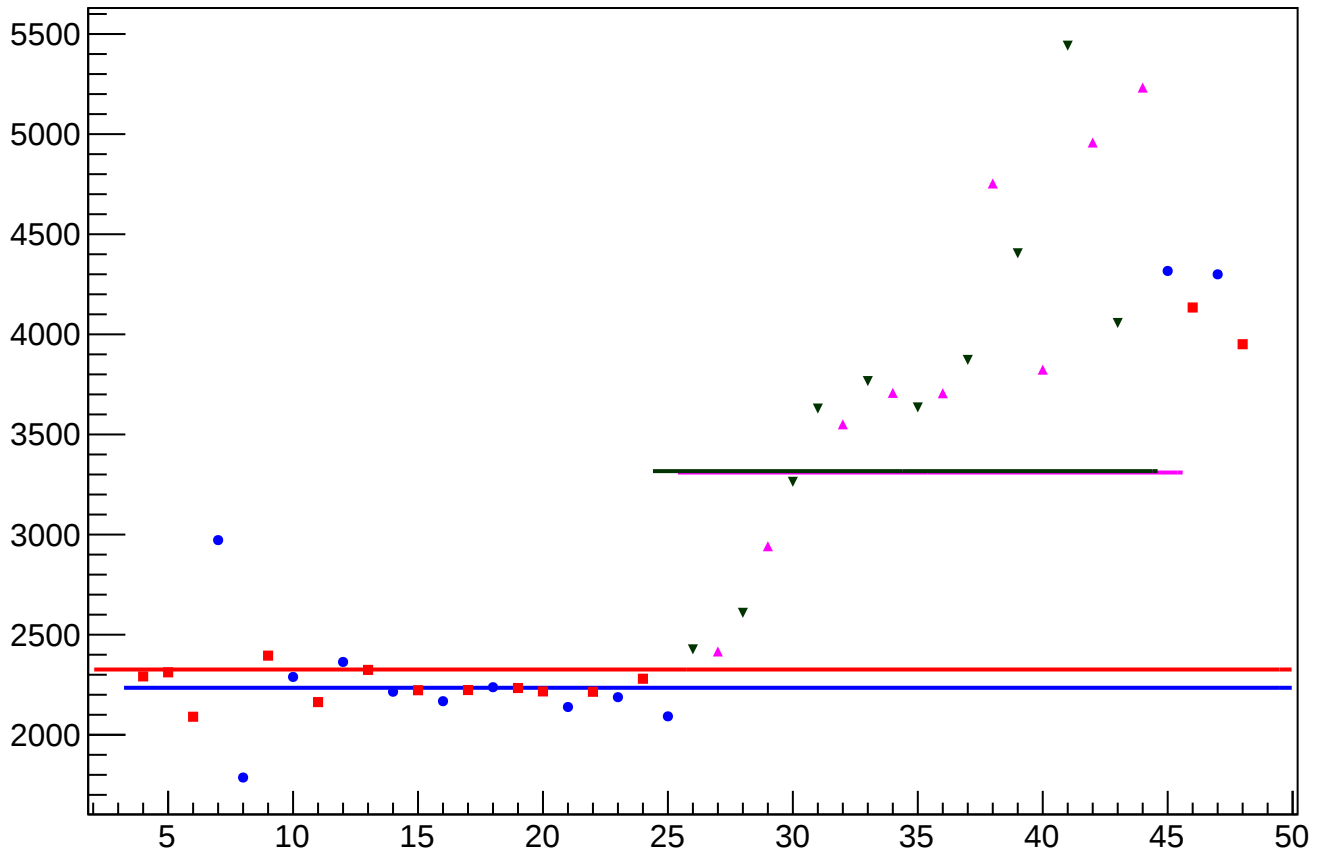
Right Out: -29.636+/-0.872 χ^2/NDF : 146.8/13

Left In: 0.601+/-1.440 χ^2/NDF : 194.1/8

-27.885+/-0.728 χ^2/NDF : 1782.2/21

-21.518+/-0.746 χ^2/NDF : 663.5/22

diff_bpm0l03Y_rms vs slug



Right In: 2234.808+/-0.591 χ^2 /NDF: 665580.2/11

Left Out: 3316.868+/-1.044 χ^2 /NDF:568076.0/9

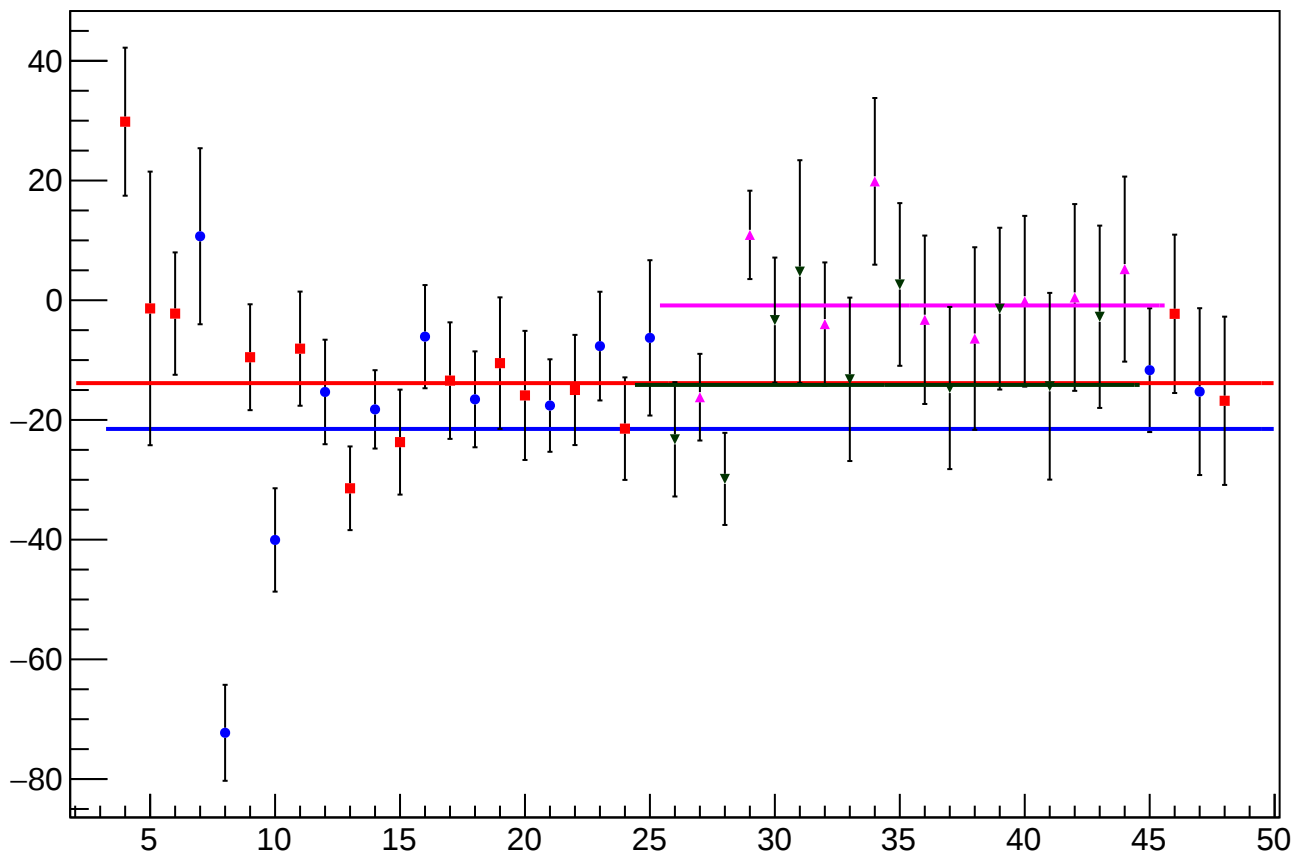
Right Out: 2326.067+/-0.617 χ^2 /NDF: 383337.9/13

Left In: 3309.905+/-1.018 χ^2 /NDF:655131.6/8

2497.284+/-0.514 χ^2 /NDF: 2046559.1/21

2590.204+/-0.527 χ^2 /NDF: 1721681.3/22

diff_bpm0l04X_mean vs slug



Right In: -21.503 ± 2.596 χ^2/NDF : 58.9/11

Left Out: -14.150 ± 3.779 χ^2/NDF : 10.2/9

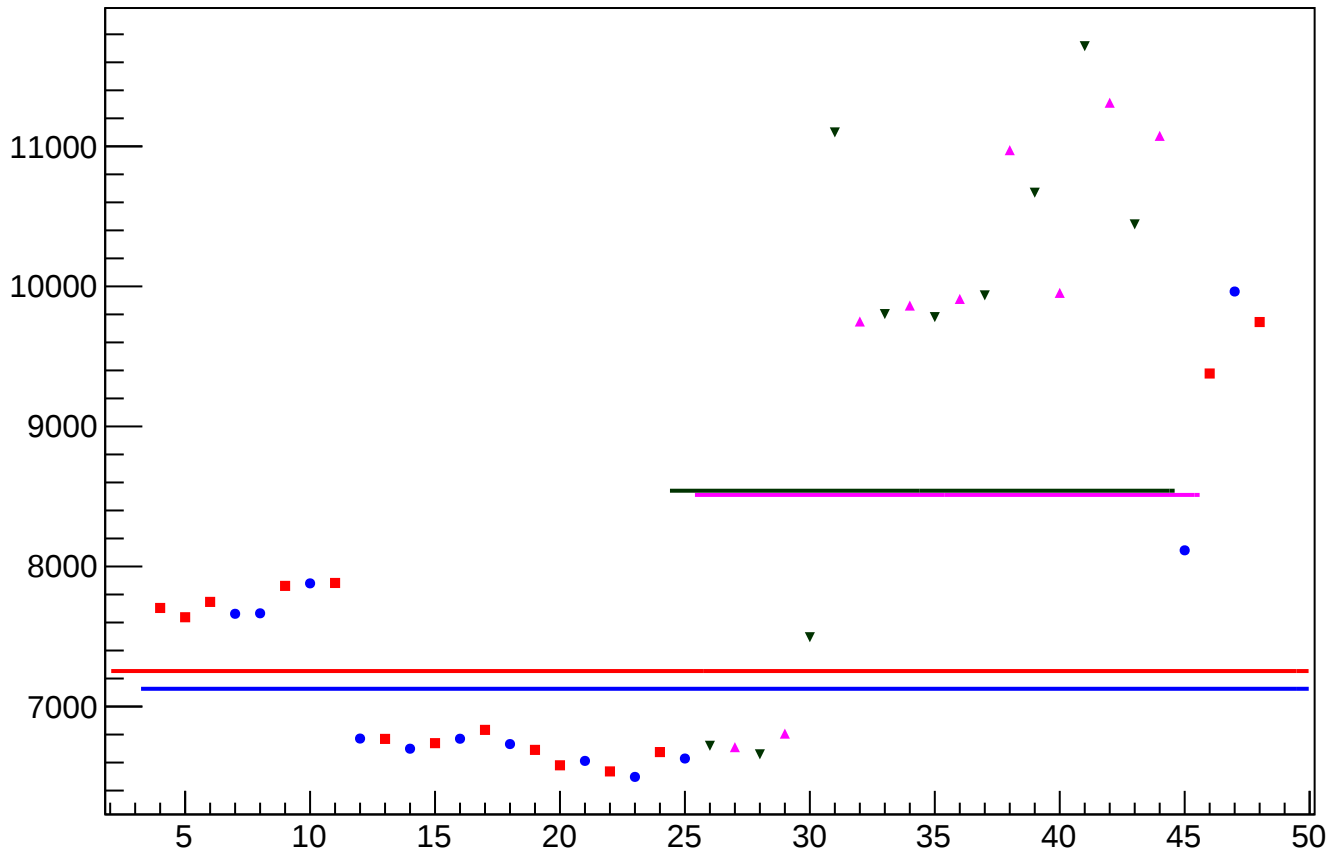
Right Out: -13.848 ± 2.683 χ^2/NDF : 24.0/13

Left In: -0.870 ± 3.662 χ^2/NDF : 9.7/8

-19.146 ± 2.140 χ^2/NDF : 71.6/21

-9.315 ± 2.164 χ^2/NDF : 41.8/22

diff_bpm0l04X_rms vs slug



Right In: 7126.749+/-1.836 χ^2/NDF : 169563.6/11

Left Out: 8541.053+/-2.672 χ^2/NDF : 468689.9/9

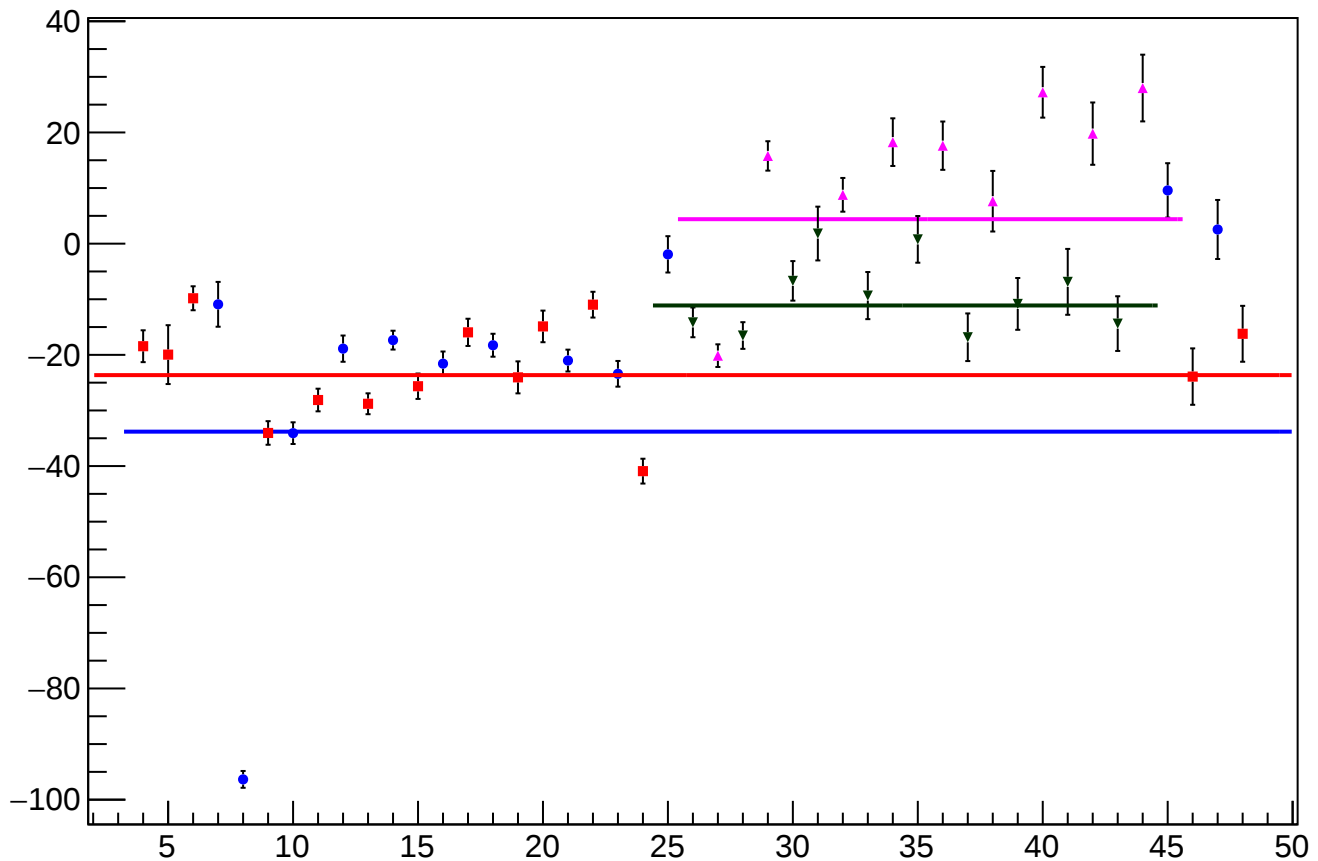
Right Out: 7253.482+/-1.897 χ^2/NDF : 194976.1/13

Left In: 8511.059+/-2.590 χ^2/NDF : 489873.9/8

7580.177+/-1.513 χ^2/NDF : 828561.5/21

7692.755+/-1.531 χ^2/NDF : 838302.3/22

diff_bpm0l04Y_mean vs slug



Right In: -33.810 ± 0.652 χ^2/NDF : 2246.9/11

Left Out: -11.117 ± 1.180 χ^2/NDF : 26.0/9

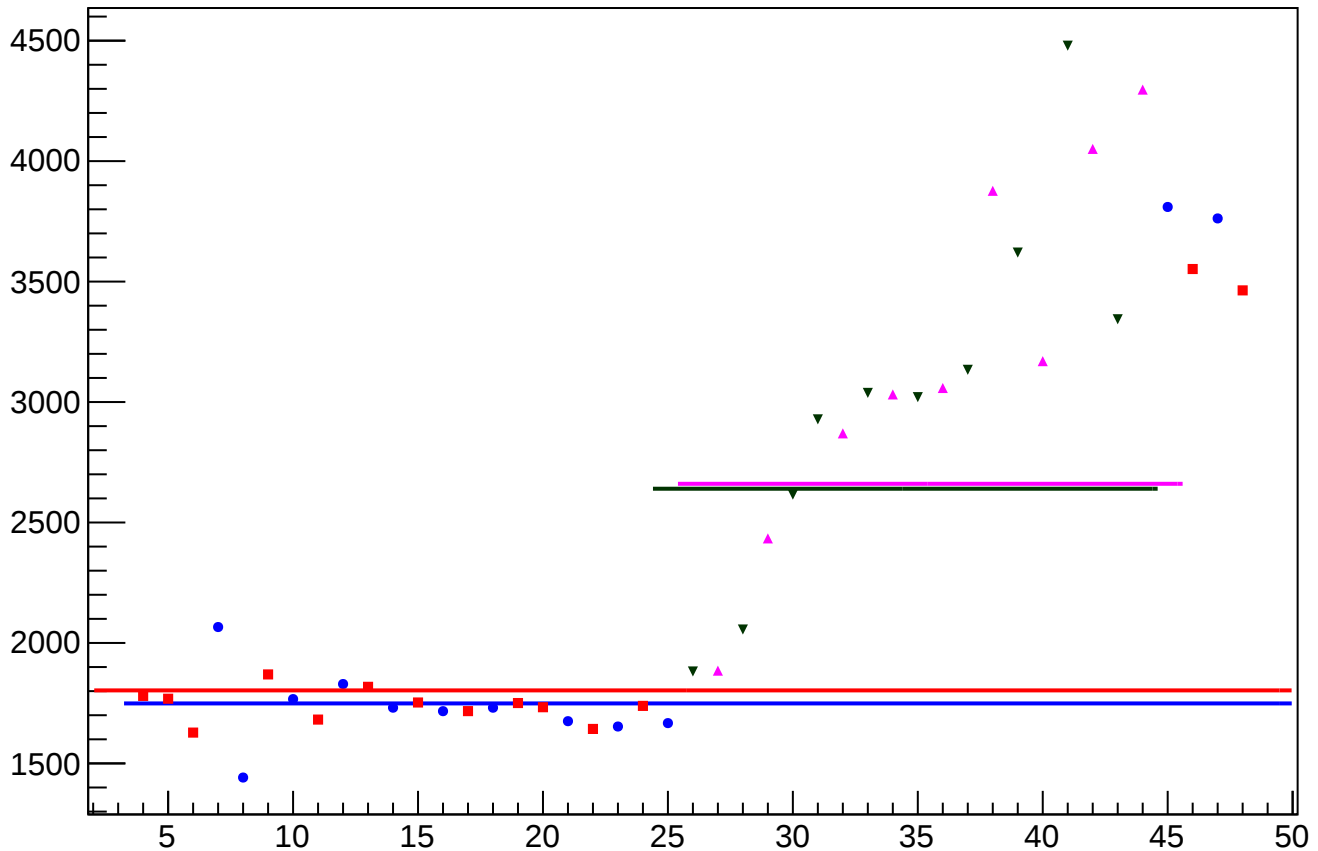
Right Out: -23.644 ± 0.676 χ^2/NDF : 193.4/13

Left In: 4.400 ± 1.161 χ^2/NDF : 233.8/8

-28.501 ± 0.571 χ^2/NDF : 2556.2/21

-16.547 ± 0.584 χ^2/NDF : 862.6/22

diff_bpm0l04Y_rms vs slug



Right In: 1748.991+/-0.461 χ^2/NDF : 748085.9/11

Left Out: 2640.174+/-0.834 χ^2/NDF : 669513.9/9

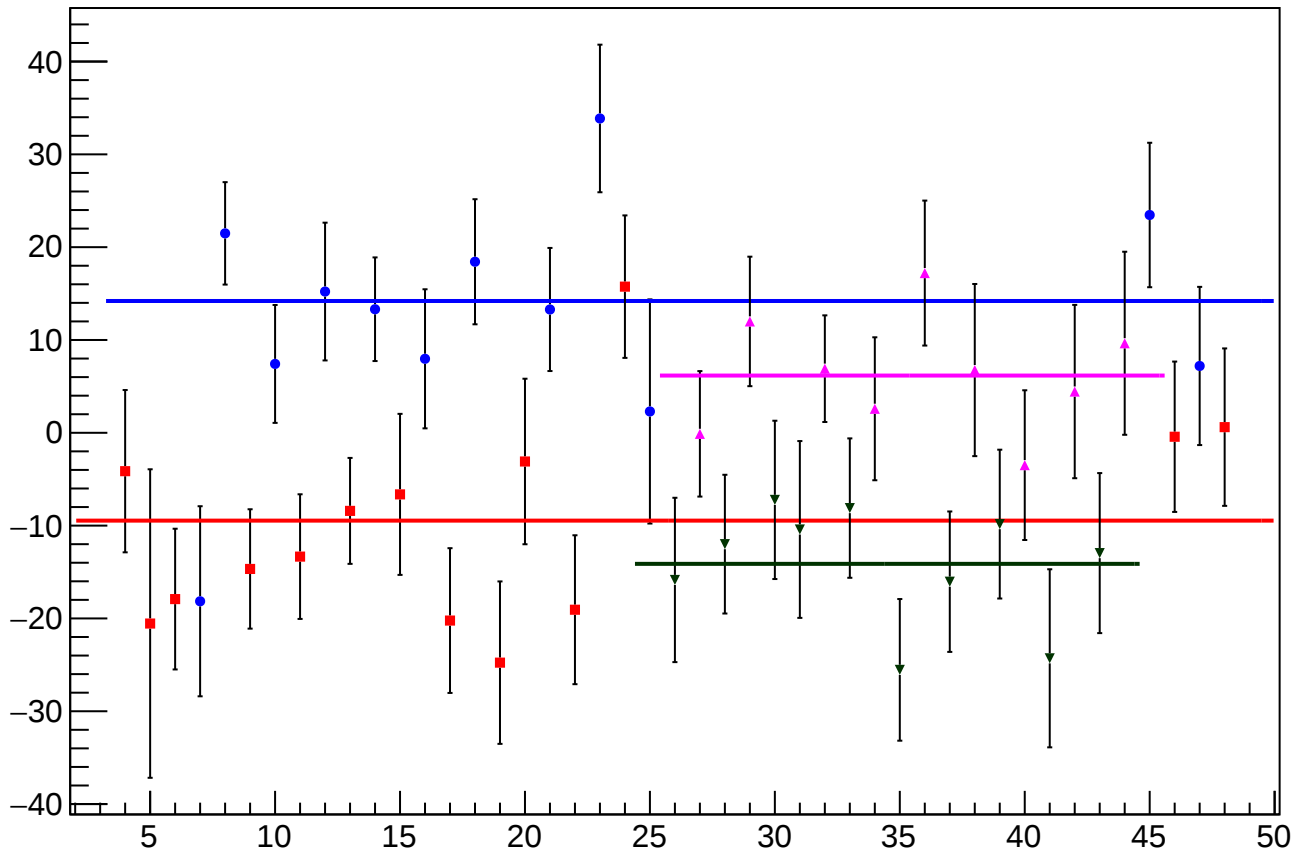
Right Out: 1803.083+/-0.478 χ^2/NDF : 494936.7/13

Left In: 2660.633+/-0.821 χ^2/NDF : 742100.2/8

1957.514+/-0.404 χ^2/NDF : 2291578.3/21

2020.096+/-0.413 χ^2/NDF : 2051500.1/22

diff_bpm0l05X_mean vs slug



Right In: 14.202 ± 2.072 χ^2/NDF : 23.2/11

Left Out: -14.120 ± 2.602 χ^2/NDF : 5.3/9

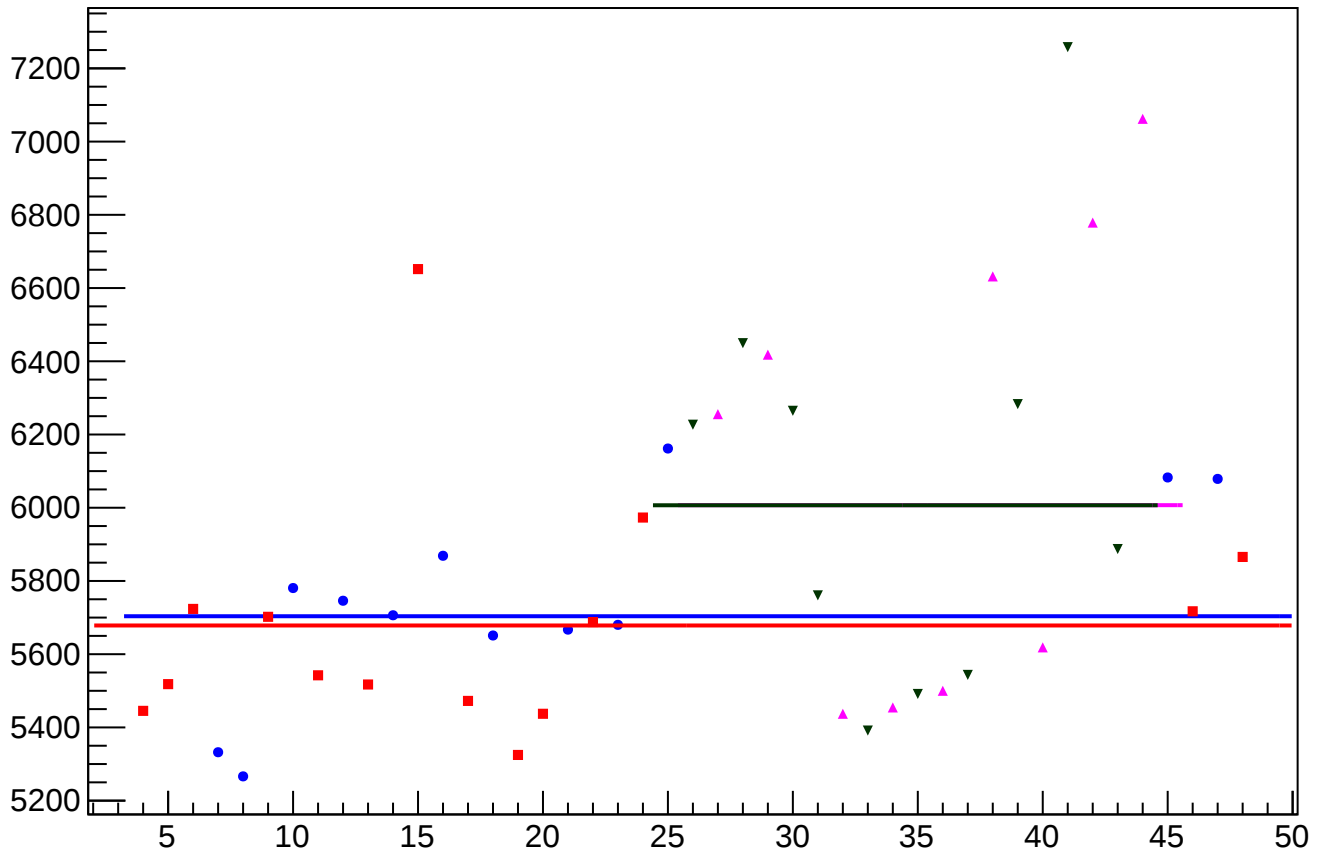
Right Out: -9.461 ± 2.093 χ^2/NDF : 23.5/13

Left In: 6.168 ± 2.542 χ^2/NDF : 5.4/8

3.213 ± 1.621 χ^2/NDF : 101.0/21

-3.146 ± 1.616 χ^2/NDF : 51.5/22

diff_bpm0l05X_rms vs slug



Right In: 5703.676+/-1.465 χ^2/NDF : 28222.6/11

Left Out: 6006.744+/-1.840 χ^2/NDF : 78250.5/9

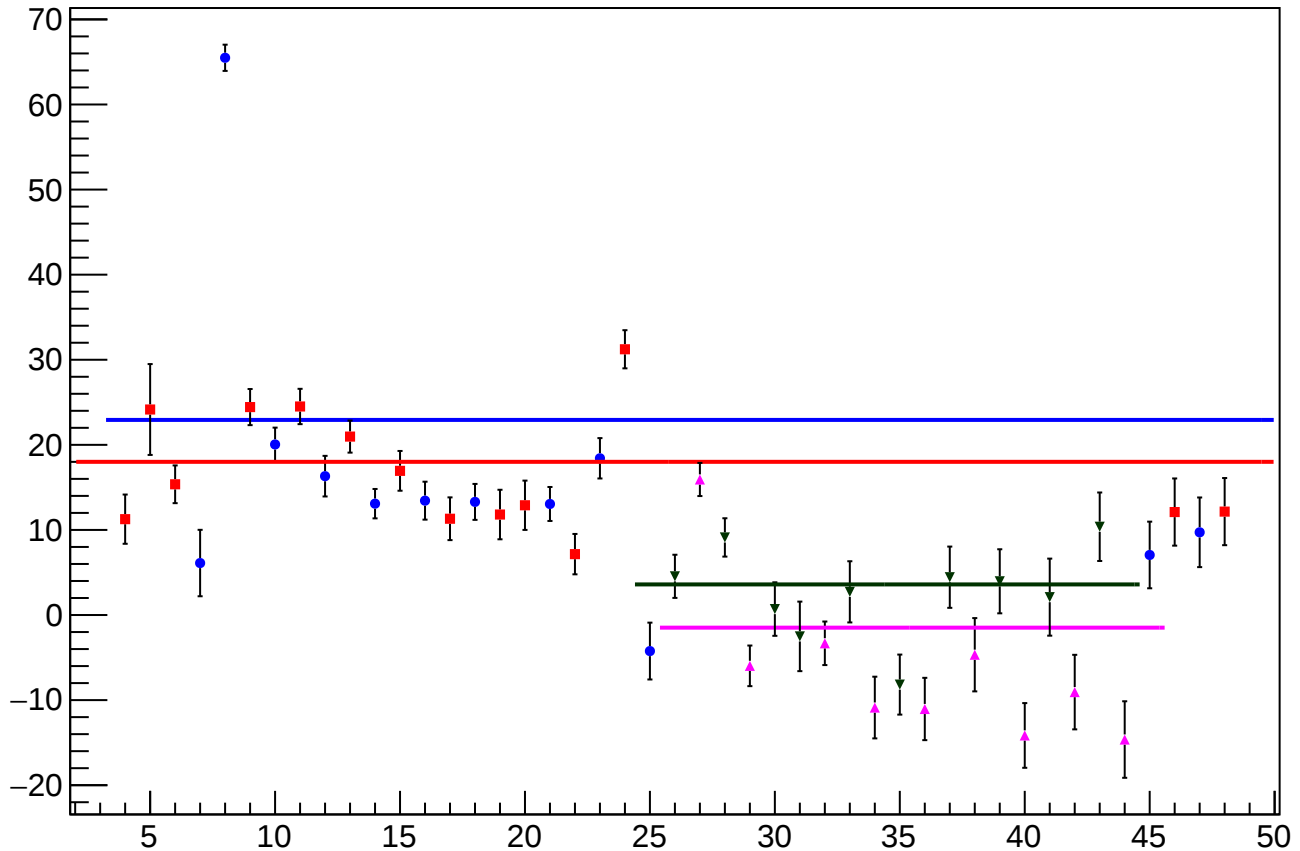
Right Out: 5678.426+/-1.480 χ^2/NDF : 39399.5/13

Left In: 6007.013+/-1.798 χ^2/NDF : 98309.1/8

5821.267+/-1.146 χ^2/NDF : 123077.4/21

5811.205+/-1.143 χ^2/NDF : 157620.6/22

diff_bpm0l05Y_mean vs slug



Right In: 22.929 ± 0.656 χ^2/NDF : 983.1/11

Left Out: 3.596 ± 1.037 χ^2/NDF : 23.4/9

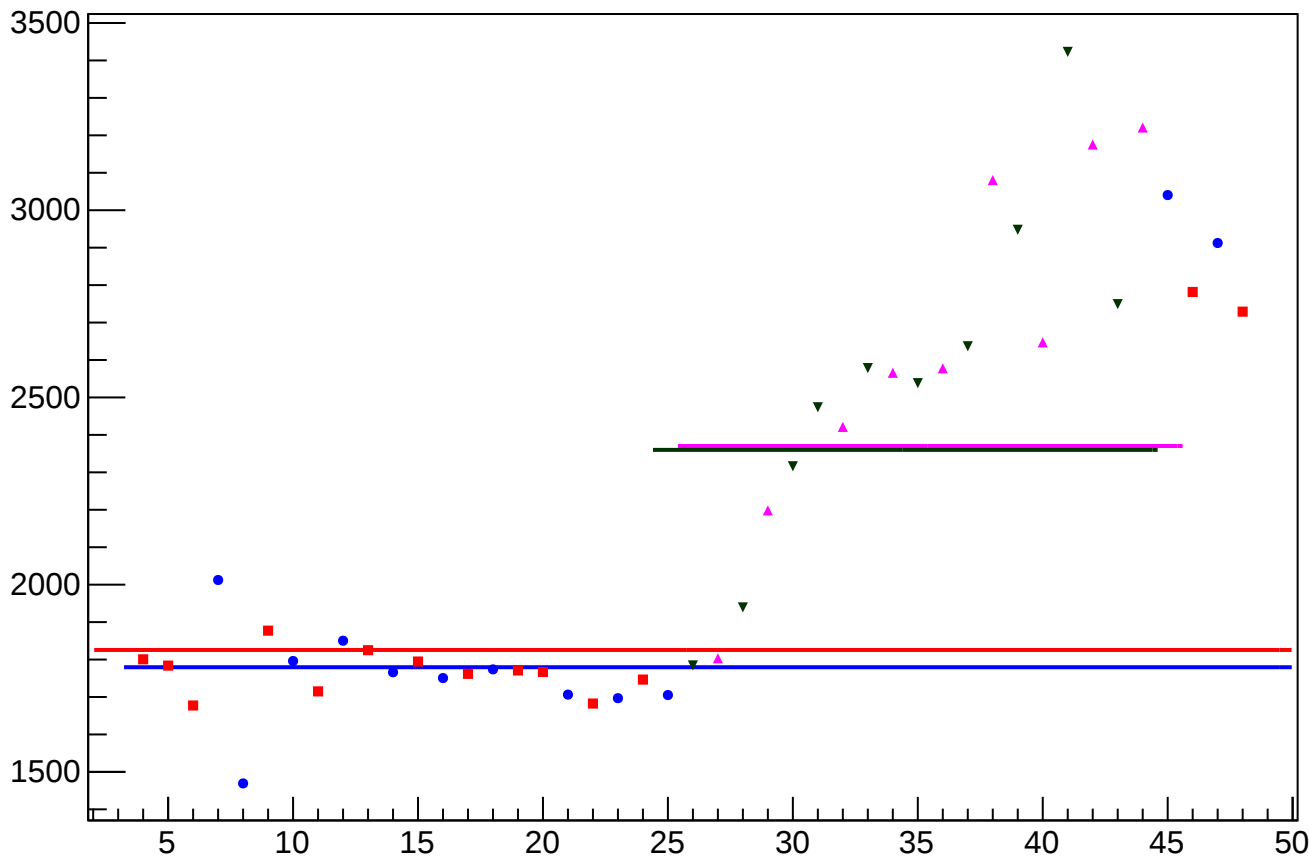
Right Out: 18.004 ± 0.678 χ^2/NDF : 104.7/13

Left In: -1.484 ± 1.017 χ^2/NDF : 120.7/8

17.403 ± 0.555 χ^2/NDF : 1254.6/21

12.010 ± 0.564 χ^2/NDF : 479.7/22

diff_bpm0l05Y_rms vs slug



Right In: 1779.516 $\pm$ 0.464 χ^2 /NDF: 457305.5/11

Left Out: 2359.972 $\pm$ 0.733 χ^2 /NDF:376681.6/9

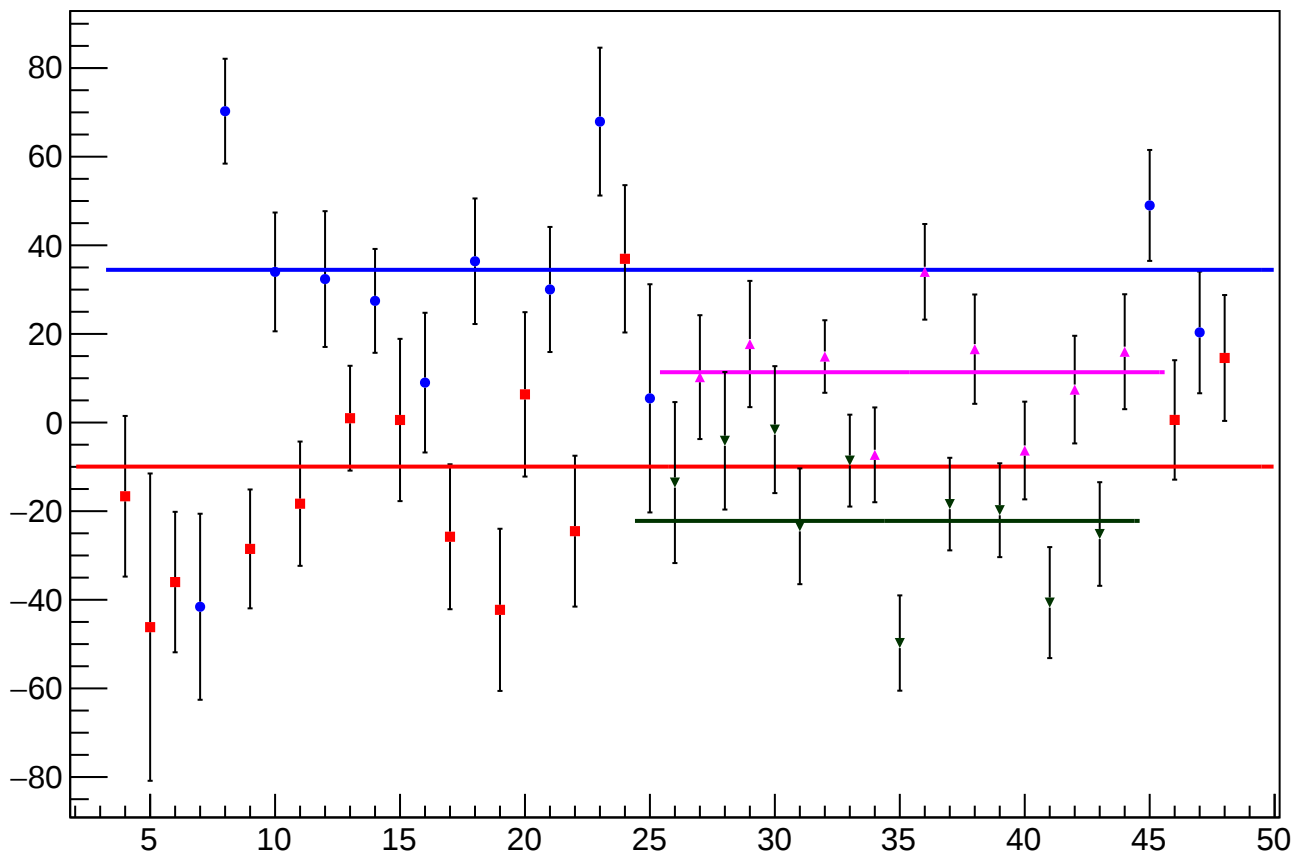
Right Out: 1825.611 $\pm$ 0.479 χ^2 /NDF: 251192.2/13

Left In: 2370.321 $\pm$ 0.719 χ^2 /NDF:396932.3/8

1945.453 $\pm$ 0.392 χ^2 /NDF: 1281239.3/21

1993.152 $\pm$ 0.399 χ^2 /NDF: 1045507.1/22

diff_bpm0l06X_mean vs slug



Right In: 34.466 $\pm$ 4.177 χ^2 /NDF: 33.1/11

Left Out: -22.199 $\pm$ 3.845 χ^2 /NDF:14.4/9

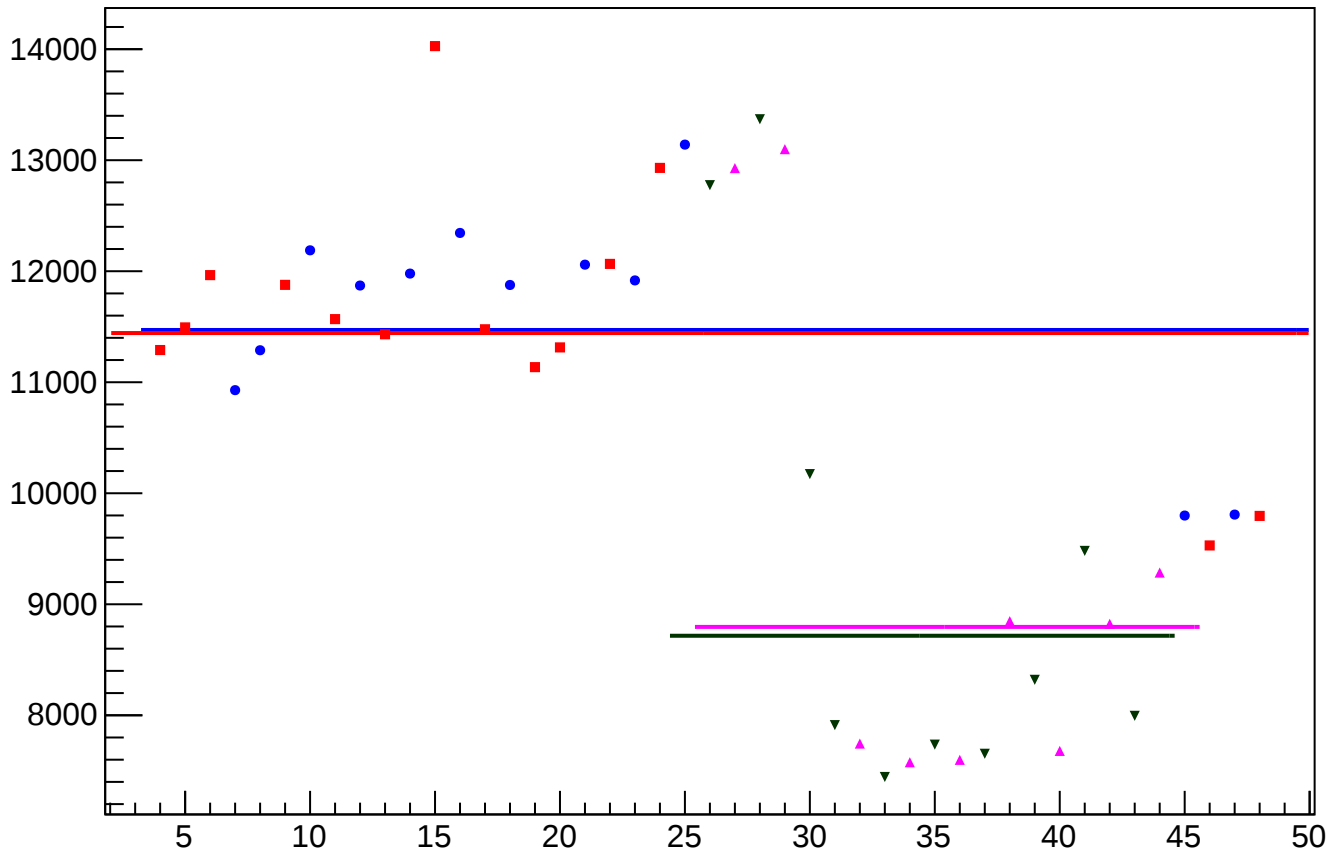
Right Out: -9.943 $\pm$ 4.234 χ^2 /NDF: 24.5/13

Left In: 11.359 $\pm$ 3.785 χ^2 /NDF:10.8/8

3.795 $\pm$ 2.829 χ^2 /NDF: 147.0/21

1.897 $\pm$ 2.822 χ^2 /NDF: 49.4/22

diff_bpm0l06X_rms vs slug



Right In: 11470.691 $\pm$ 2.954 χ^2 /NDF: 98715.3/11

Left Out: 8716.427 $\pm$ 2.719 χ^2 /NDF:393127.4/9

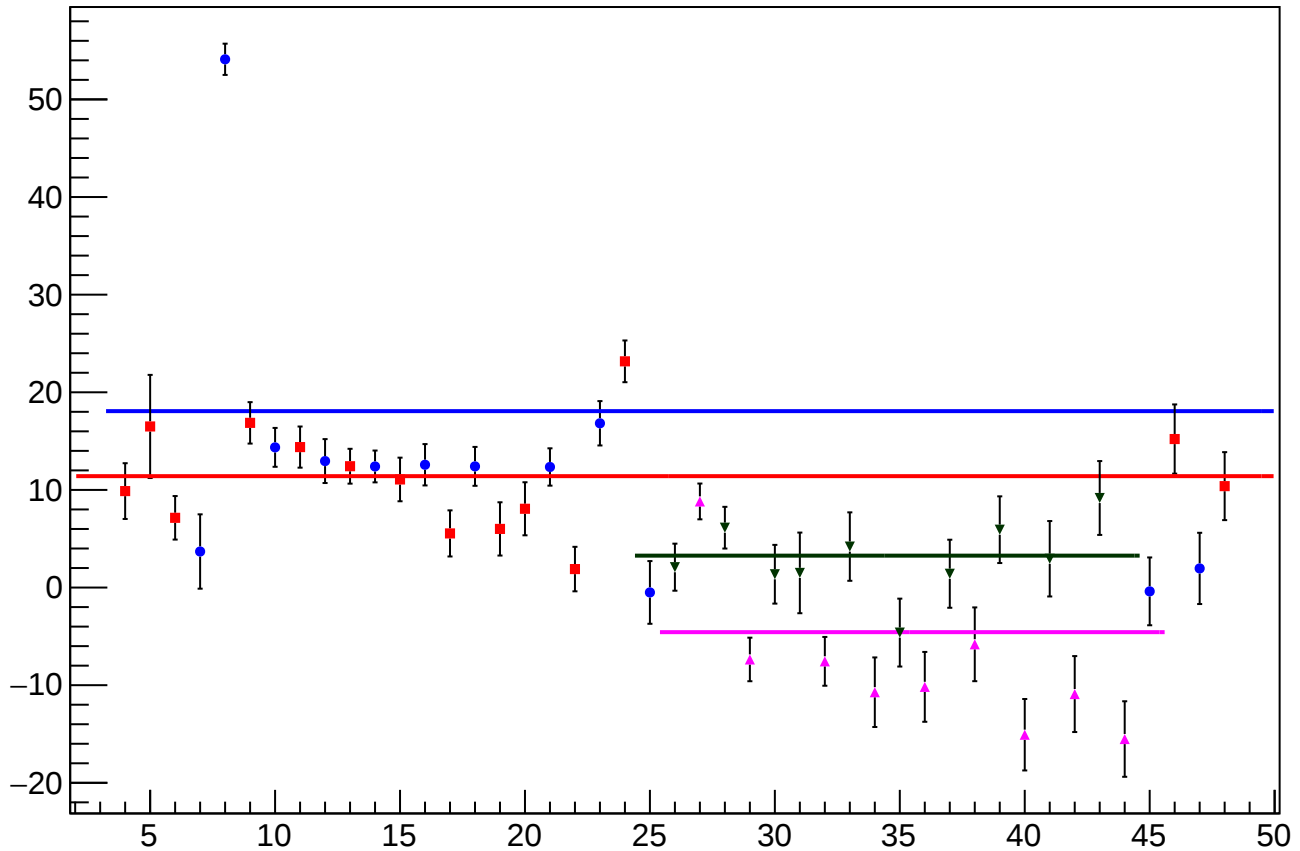
Right Out: 11443.142 $\pm$ 2.994 χ^2 /NDF: 130970.7/13

Left In: 8796.116 $\pm$ 2.676 χ^2 /NDF:464333.7/8

9979.921 $\pm$ 2.001 χ^2 /NDF: 962498.1/21

9971.813 $\pm$ 1.995 χ^2 /NDF: 1029801.7/22

diff_bpm0l06Y_mean vs slug



Right In: 18.070 ± 0.635 $\chi^2/\text{NDF}: 647.3/11$

Left Out: 3.269 ± 0.986 $\chi^2/\text{NDF}: 11.2/9$

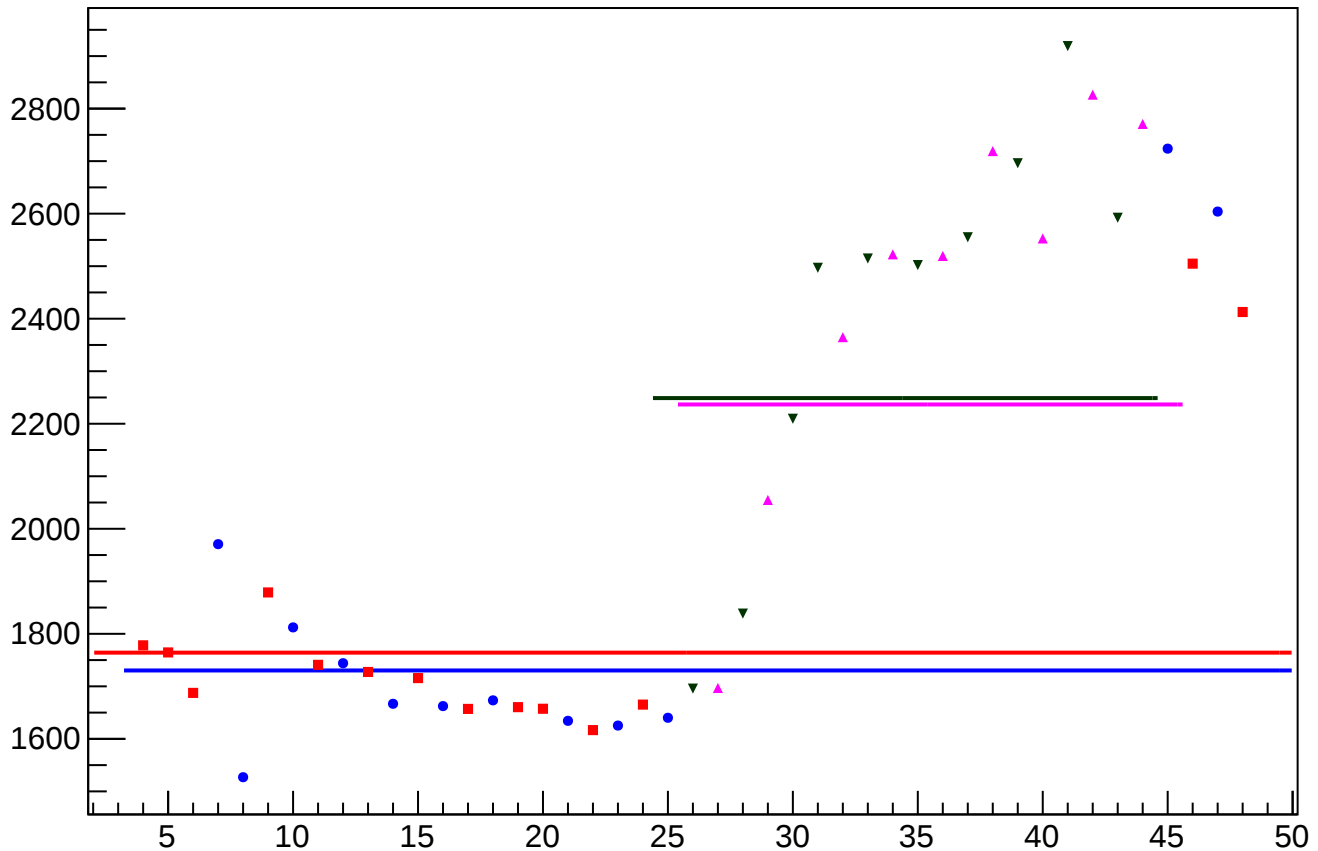
Right Out: 11.410 ± 0.653 $\chi^2/\text{NDF}: 74.4/13$

Left In: -4.569 ± 0.956 $\chi^2/\text{NDF}: 80.8/8$

13.732 ± 0.534 $\chi^2/\text{NDF}: 817.9/21$

6.329 ± 0.539 $\chi^2/\text{NDF}: 345.6/22$

diff_bpm0l06Y_rms vs slug



Right In: 1730.224+/-0.449 χ^2/NDF : 339640.9/11

Left Out: 2248.854+/-0.697 χ^2/NDF :335259.7/9

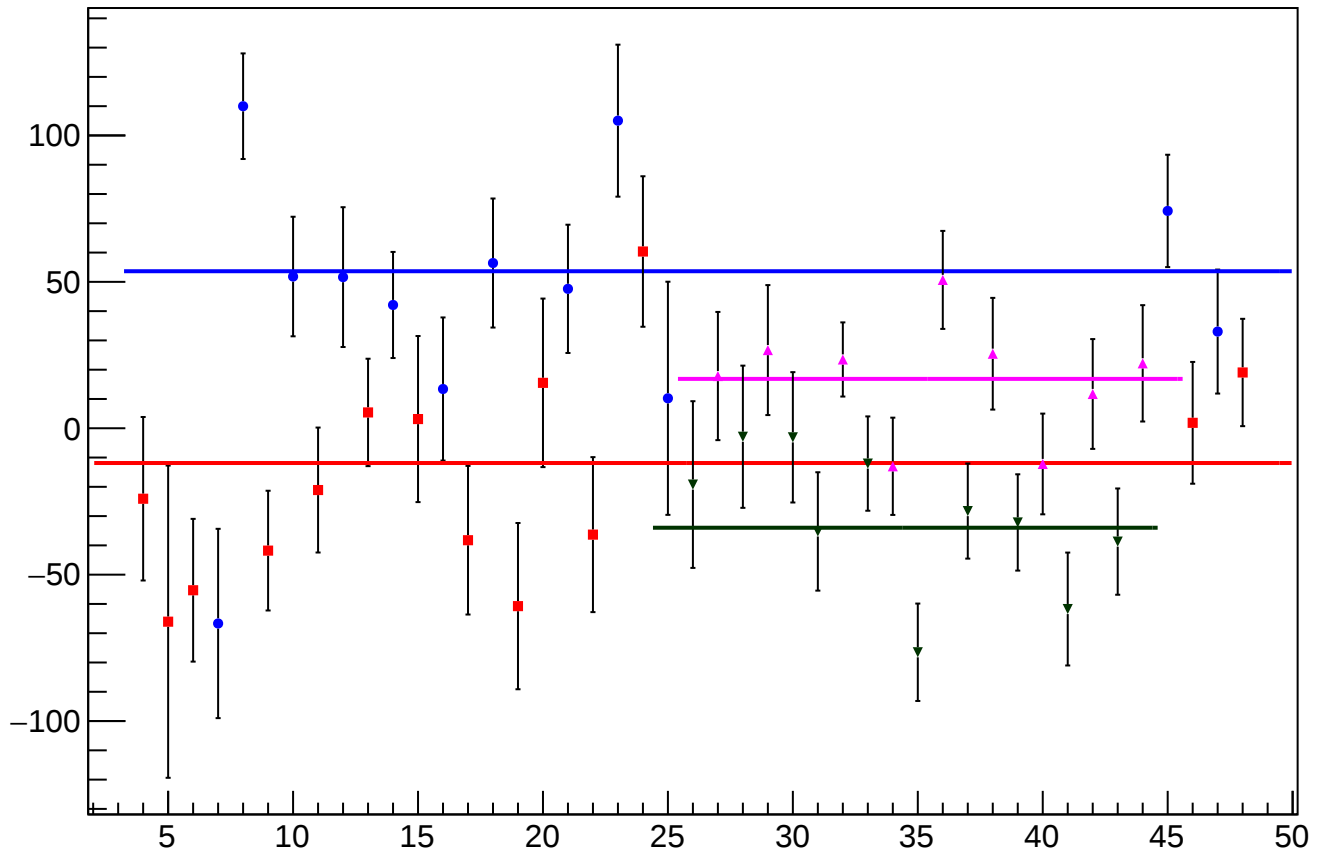
Right Out: 1764.170+/-0.462 χ^2/NDF : 189764.5/13

Left In: 2236.692+/-0.676 χ^2/NDF :349030.8/8

1882.235+/-0.377 χ^2/NDF : 1066436.5/21

1914.446+/-0.381 χ^2/NDF : 871763.2/22

diff_bpm0l07X_mean vs slug



Right In: 53.630 $\pm$ 6.440 χ^2/NDF : 34.1/11

Left Out: -33.973 $\pm$ 5.967 χ^2/NDF : 14.5/9

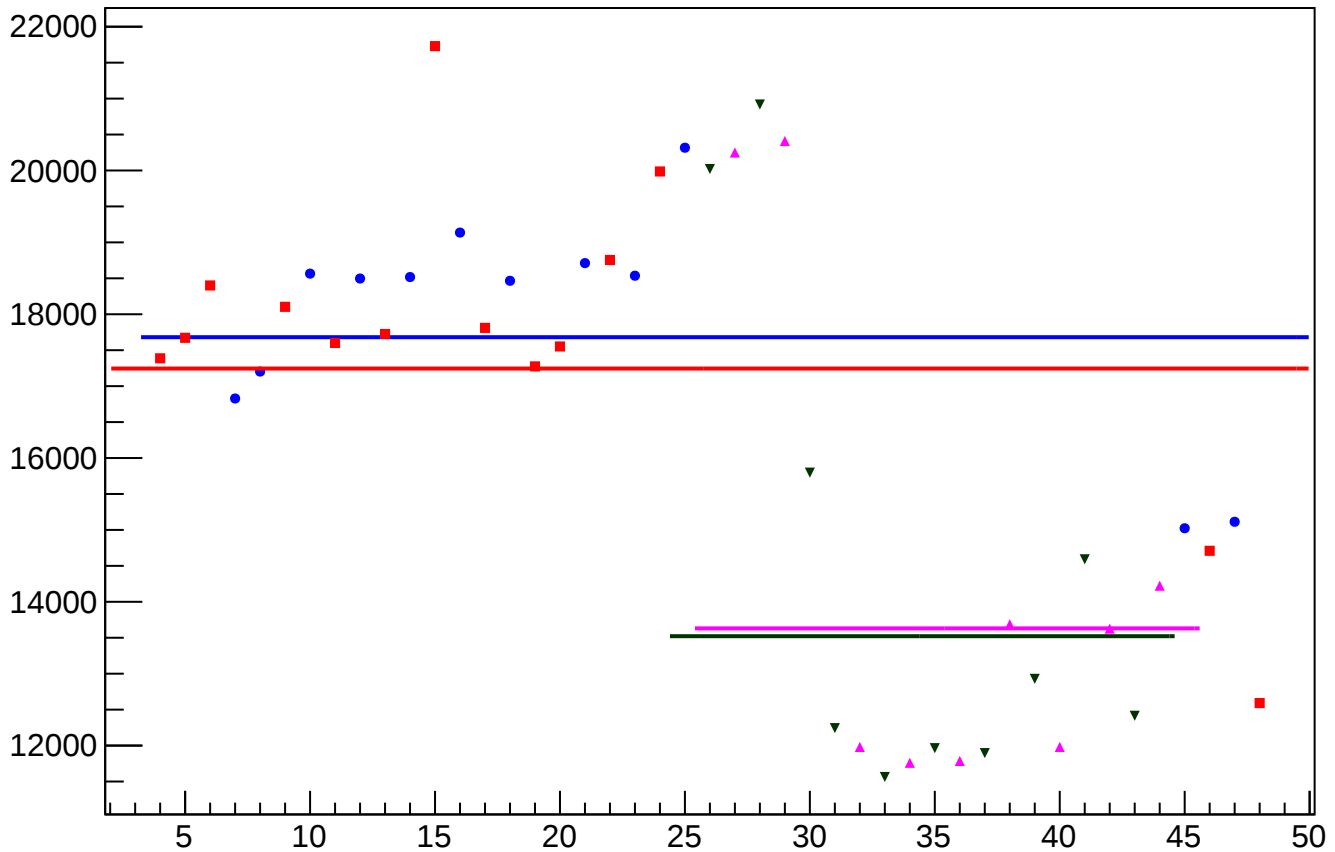
6.498 $\pm$ 4.377 χ^2/NDF : 148.1/21

Right Out: -11.869 $\pm$ 6.408 χ^2/NDF : 24.9/13

3.760 $\pm$ 4.327 χ^2/NDF : 46.8/22

Left In: 16.860 $\pm$ 5.867 χ^2/NDF : 11.0/8

diff_bpm0l07X_rms vs slug



Right In: 17680.838 $\pm$ 4.554 χ^2/NDF : 105944.3/11

Left Out: 13521.564 $\pm$ 4.220 χ^2/NDF : 402050.4/9

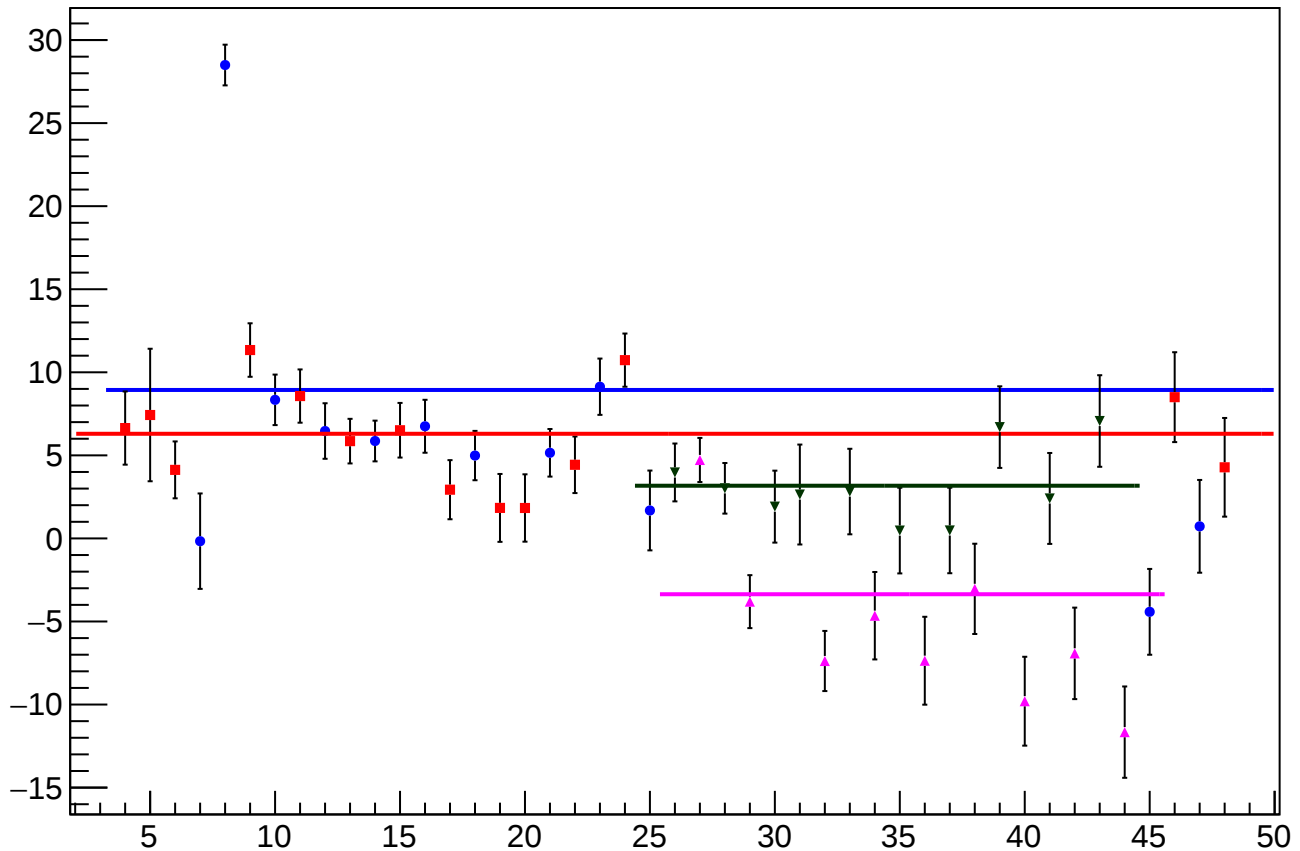
15443.081 $\pm$ 3.095 χ^2/NDF : 956862.2/21

Right Out: 17244.791 $\pm$ 4.531 χ^2/NDF : 249293.8/13

15278.520 $\pm$ 3.060 χ^2/NDF : 1068656.3/22

Left In: 13630.347 $\pm$ 4.149 χ^2/NDF : 473215.4/8

diff_bpm0l07Y_mean vs slug



Right In: 8.936+/-0.478 χ^2/NDF : 333.9/11

Left Out: 3.172+/-0.713 χ^2/NDF : 6.9/9

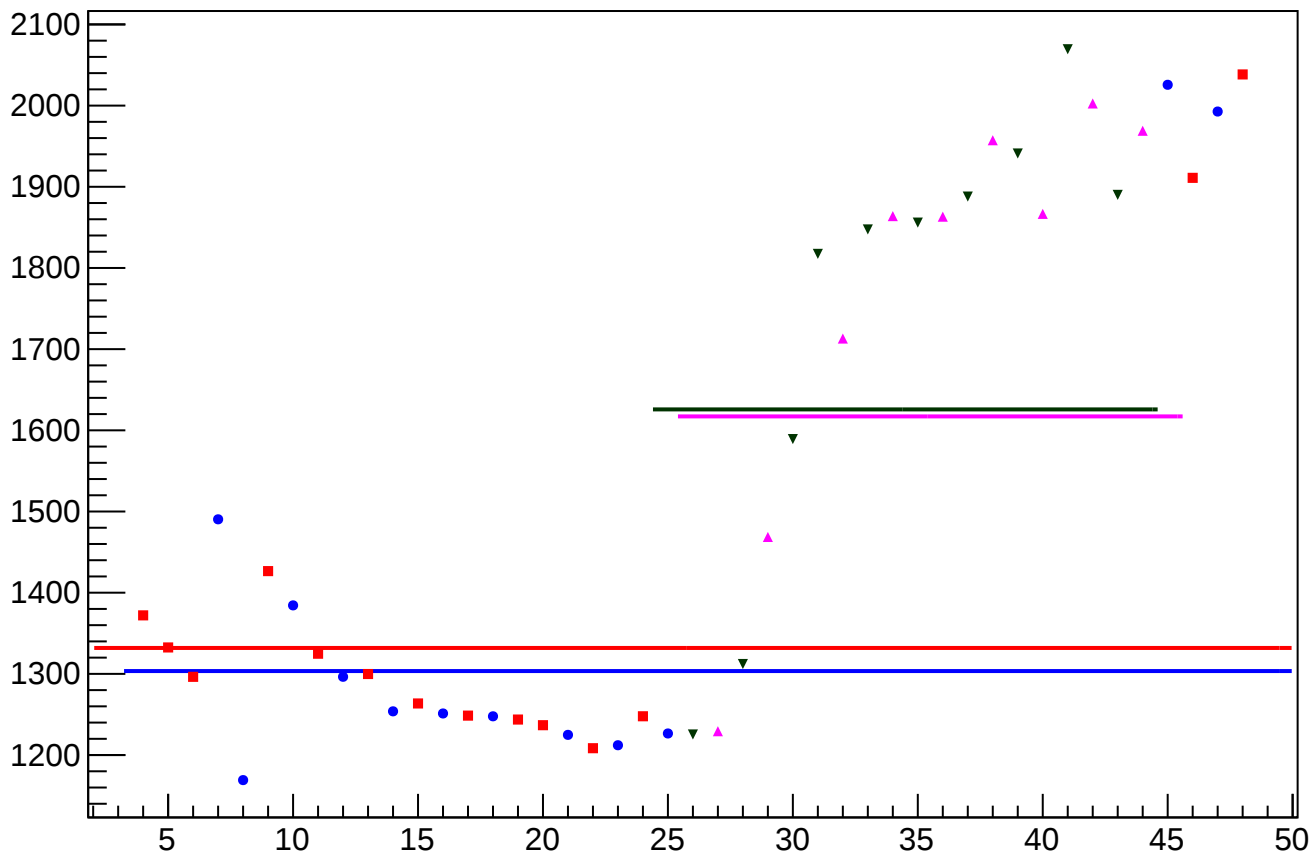
Right Out: 6.299+/-0.494 χ^2/NDF : 36.8/13

Left In: -3.360+/-0.691 χ^2/NDF : 61.2/8

7.149+/-0.397 χ^2/NDF : 386.0/21

3.031+/-0.402 χ^2/NDF : 227.2/22

diff_bpm0l07Y_rms vs slug



Right In: 1303.471+/-0.338 χ^2/NDF : 338558.9/11

Left Out: 1625.778+/-0.504 χ^2/NDF : 354649.3/9

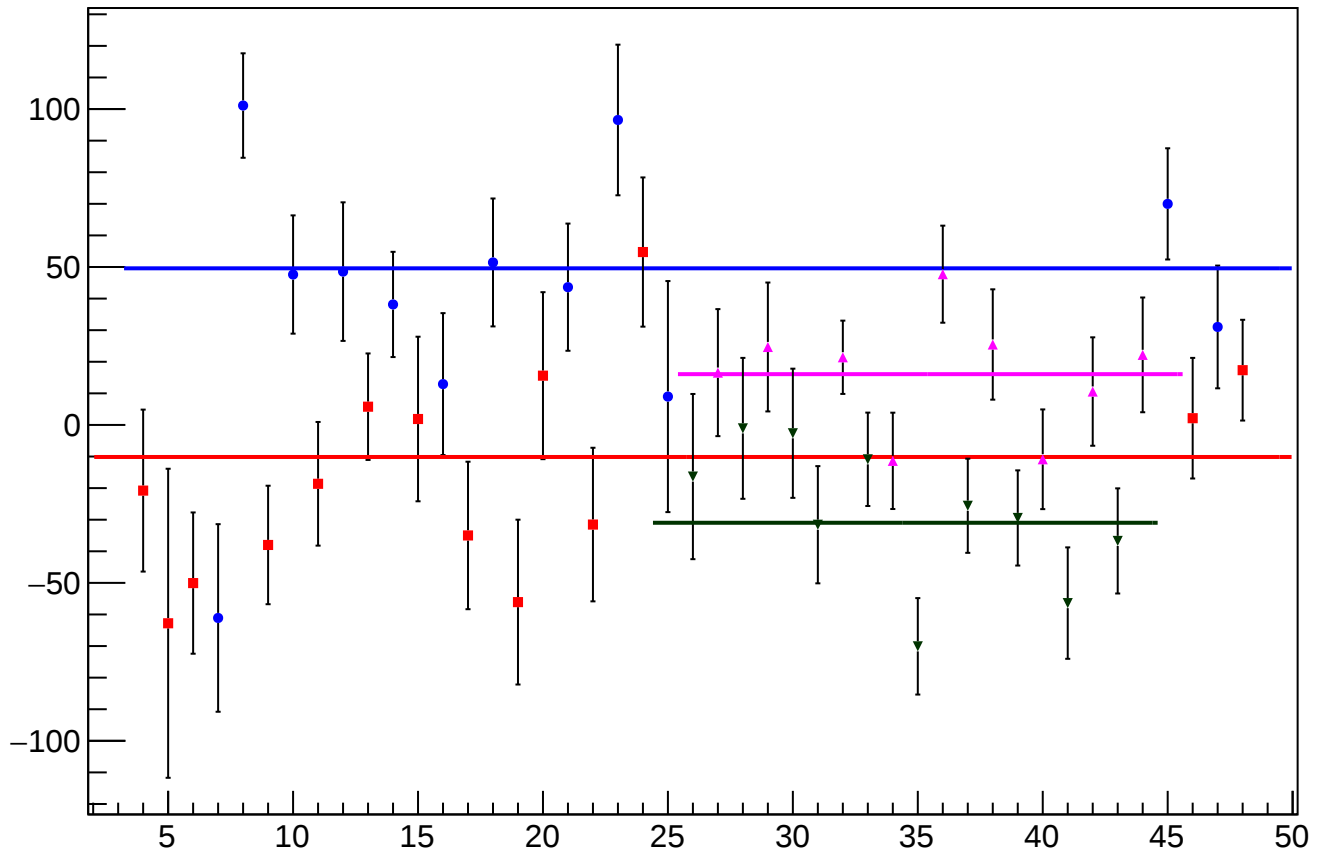
1403.417+/-0.281 χ^2/NDF : 975273.0/21

Right Out: 1331.928+/-0.349 χ^2/NDF : 246434.0/13

1428.421+/-0.284 χ^2/NDF : 820947.4/22

Left In: 1617.160+/-0.489 χ^2/NDF : 349190.4/8

diff_bpm0l08X_mean vs slug



Right In: 49.583 ± 5.913 χ^2/NDF : 34.2/11

Left Out: -30.968 ± 5.475 χ^2/NDF : 14.8/9

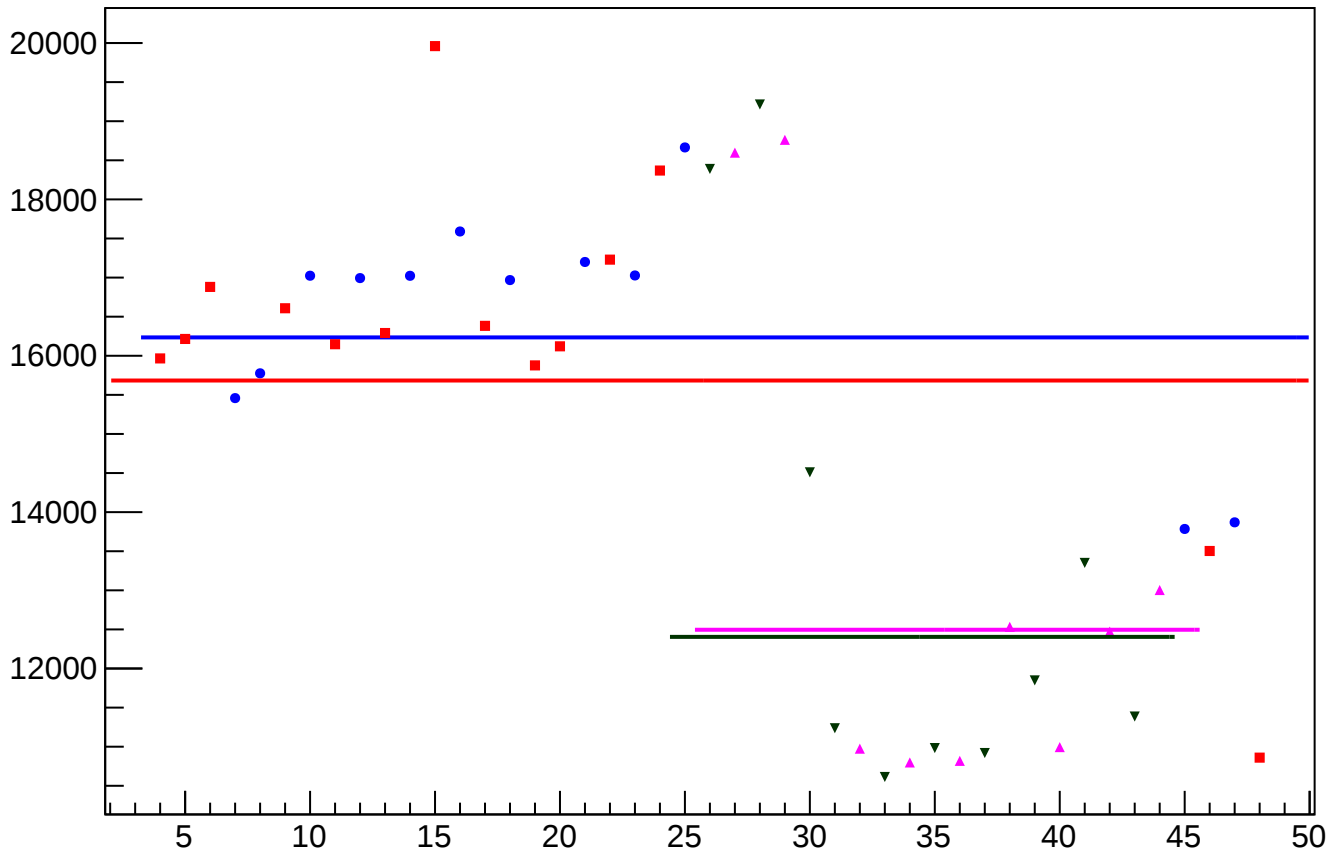
Right Out: -10.143 ± 5.844 χ^2/NDF : 24.9/13

Left In: 16.079 ± 5.379 χ^2/NDF : 11.3/8

6.209 ± 4.017 χ^2/NDF : 148.9/21

4.054 ± 3.958 χ^2/NDF : 47.1/22

diff_bpm0l08X_rms vs slug



Right In: 16234.859+/-4.181 χ^2/NDF : 107238.4/11

Left Out: 12404.651+/-3.871 χ^2/NDF : 402870.2/9

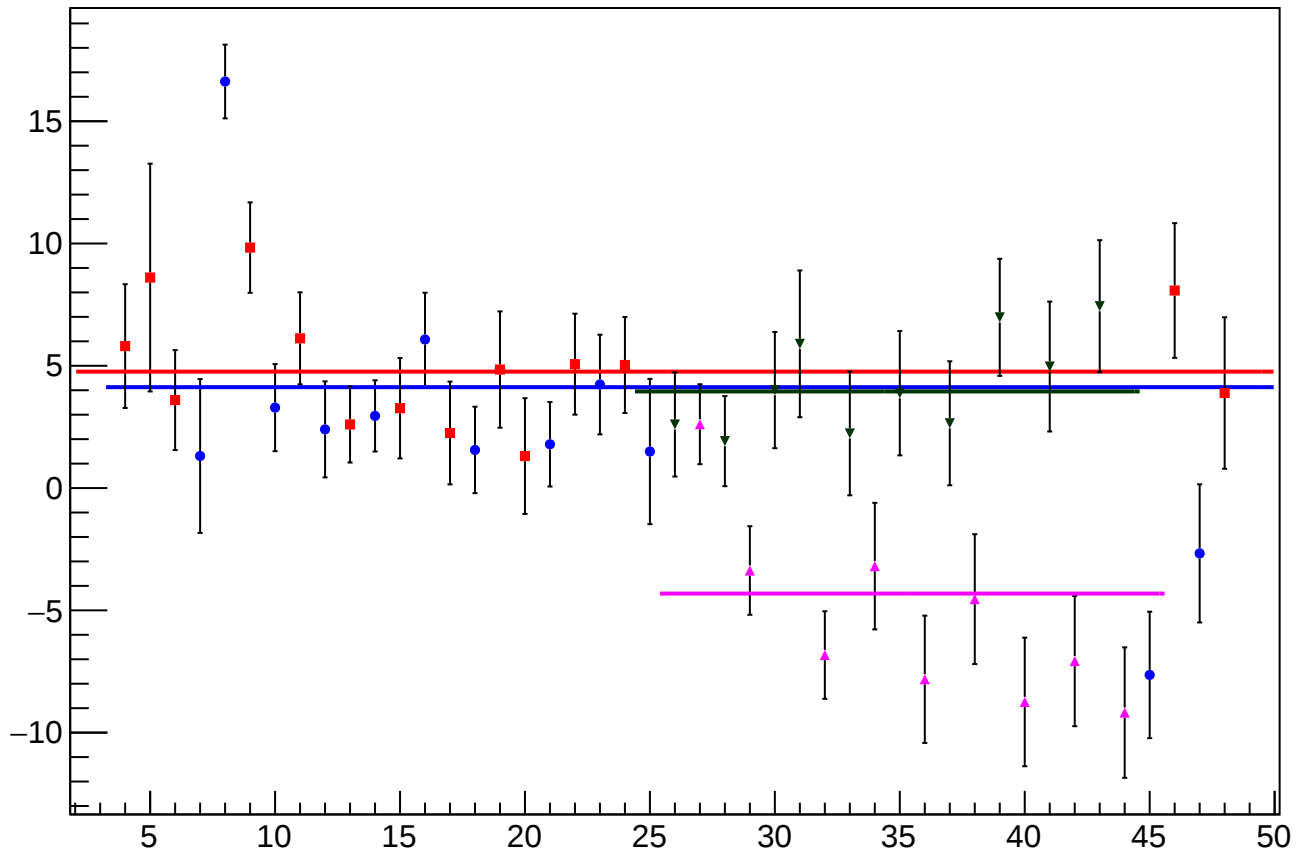
14172.433+/-2.841 χ^2/NDF : 961938.7/21

Right Out: 15683.495+/-4.132 χ^2/NDF : 314124.8/13

13957.675+/-2.799 χ^2/NDF : 1111785.1/22

Left In: 12495.729+/-3.803 χ^2/NDF : 475508.8/8

diff_bpm0l08Y_mean vs slug



Right In: 4.126+/-0.564 χ^2/NDF : 103.5/11

Left Out: 3.951+/-0.762 χ^2/NDF : 6.2/9

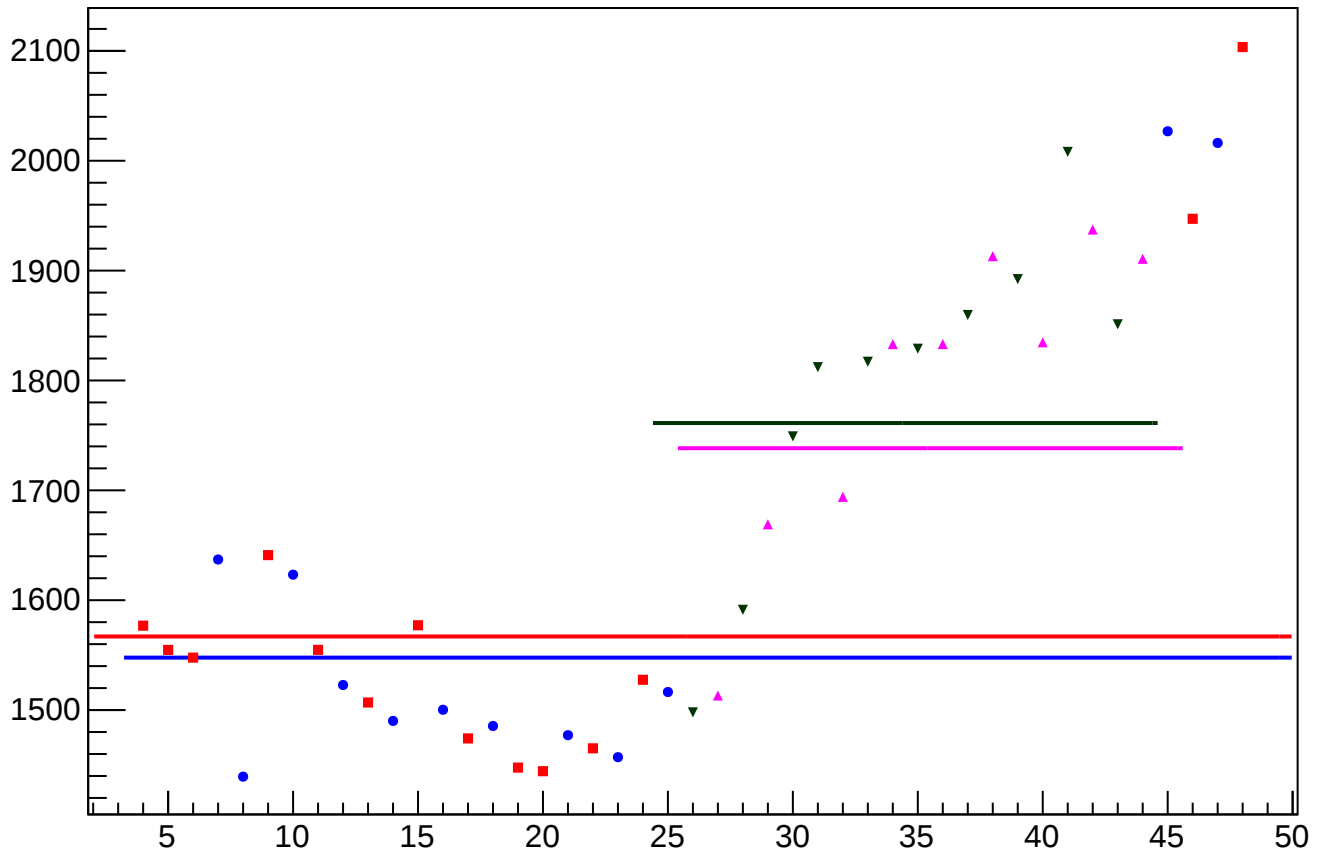
Right Out: 4.762+/-0.579 χ^2/NDF : 16.8/13

Left In: -4.314+/-0.734 χ^2/NDF : 29.5/8

4.064+/-0.453 χ^2/NDF : 109.7/21

1.278+/-0.455 χ^2/NDF : 140.5/22

diff_bpm0l08Y_rms vs slug



Right In: 1547.737 $\pm$ 0.399 χ^2 /NDF: 153934.7/11

Left Out: 1761.262 $\pm$ 0.539 χ^2 /NDF: 79141.5/9

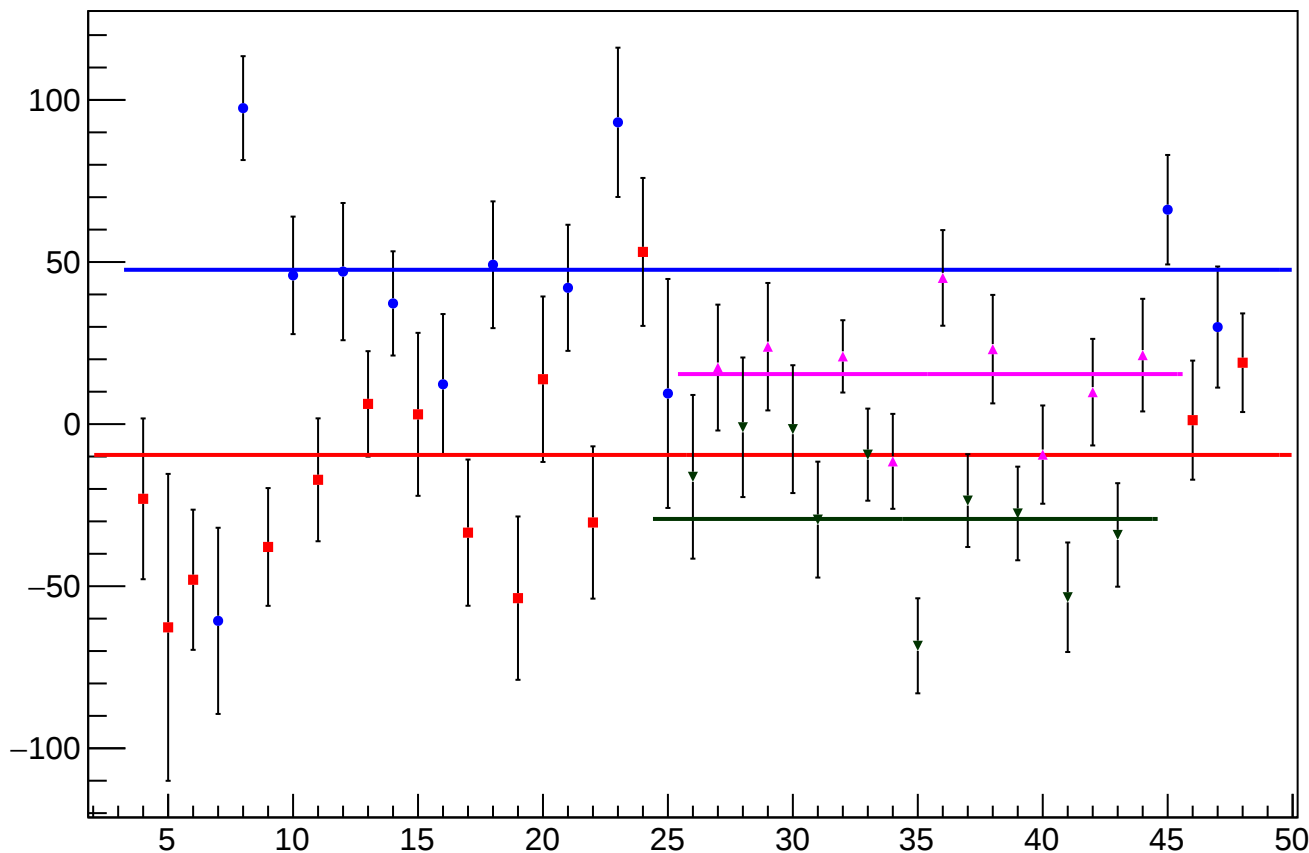
Right Out: 1566.995 $\pm$ 0.410 χ^2 /NDF: 124610.8/13

Left In: 1738.335 $\pm$ 0.519 χ^2 /NDF: 78331.9/8

1623.315 $\pm$ 0.320 χ^2 /NDF: 334594.9/21

1632.774 $\pm$ 0.322 χ^2 /NDF: 270096.0/22

diff_bpm0l09X_mean vs slug



Right In: 47.605 $\pm$ 5.707 χ^2 /NDF: 34.2/11

Left Out: -29.254 $\pm$ 5.260 χ^2 /NDF:15.3/9

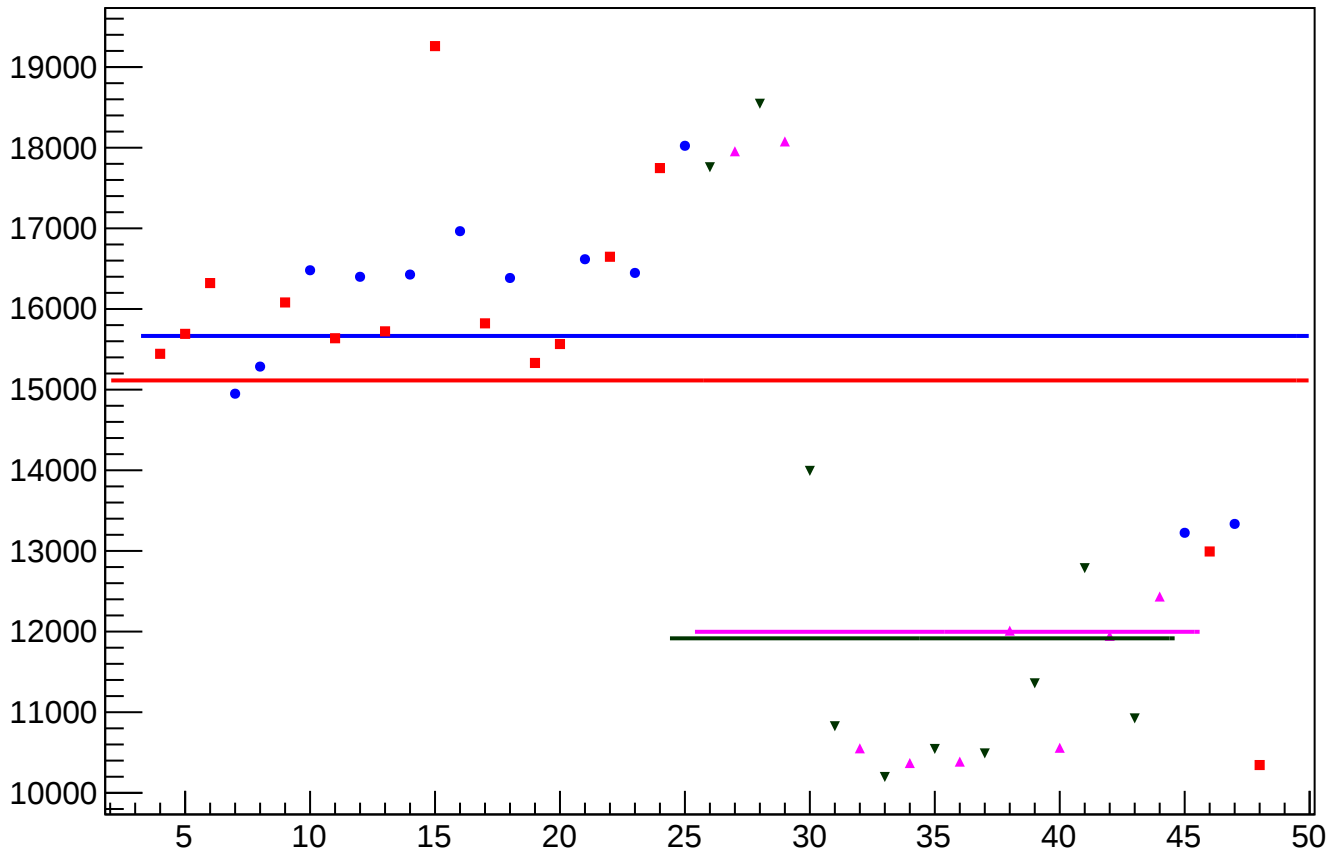
Right Out: -9.506 $\pm$ 5.636 χ^2 /NDF: 25.7/13

Left In: 15.435 $\pm$ 5.166 χ^2 /NDF:11.0/8

6.052 $\pm$ 3.868 χ^2 /NDF: 147.7/21

4.049 $\pm$ 3.808 χ^2 /NDF: 47.3/22

diff_bpm0l09X_rms vs slug



Right In: 15665.808 $\pm$ 4.035 χ^2 /NDF: 112126.3/11

Left Out: 11916.247 $\pm$ 3.720 χ^2 /NDF: 408966.2/9

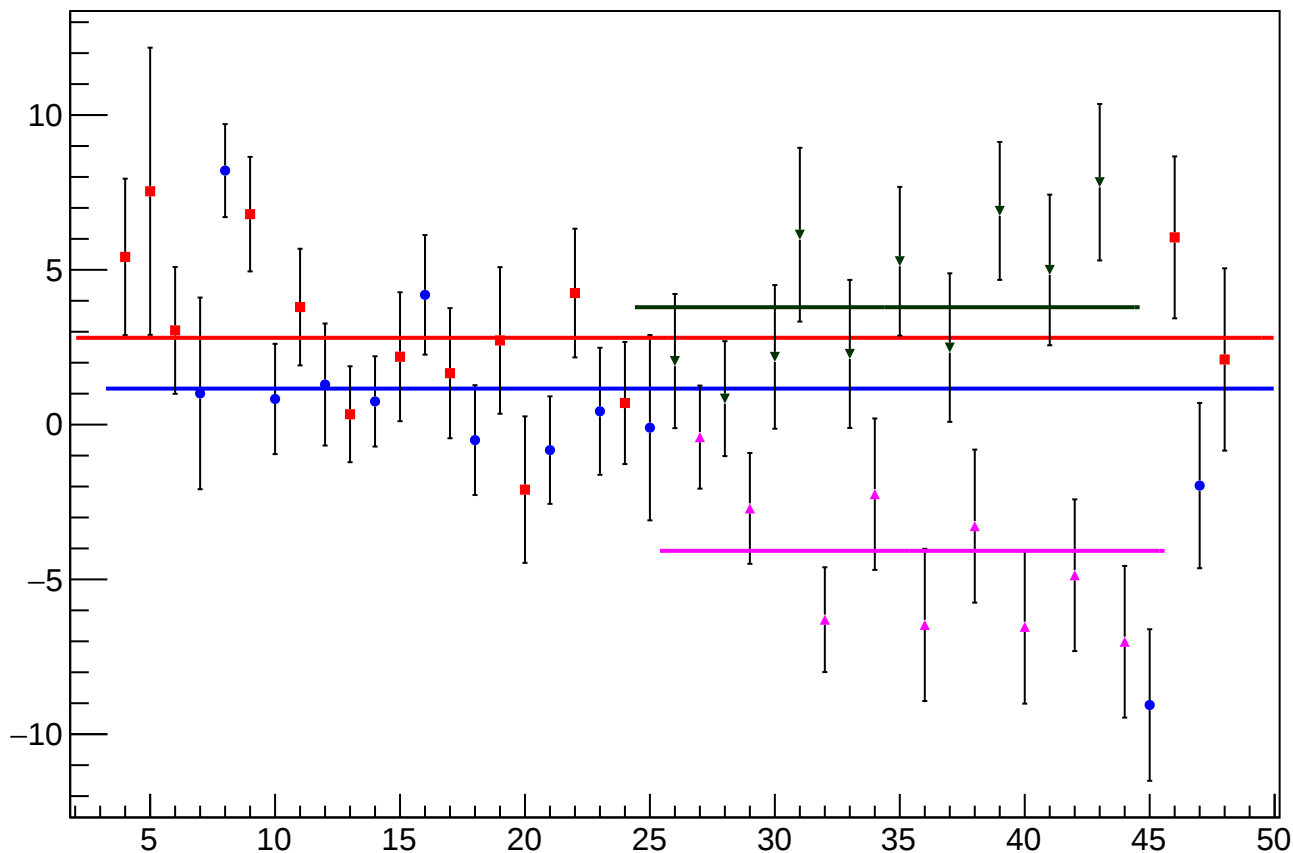
13638.663 $\pm$ 2.735 χ^2 /NDF: 987862.3/21

Right Out: 15114.107 $\pm$ 3.985 χ^2 /NDF: 332363.3/13

13420.141 $\pm$ 2.693 χ^2 /NDF: 1145927.8/22

Left In: 11997.213 $\pm$ 3.653 χ^2 /NDF: 481131.3/8

diff_bpm0l09Y_mean vs slug



Right In: 1.164 $\pm$ 0.562 χ^2 /NDF: 45.9/11

Left Out: 3.793 $\pm$ 0.732 χ^2 /NDF:10.2/9

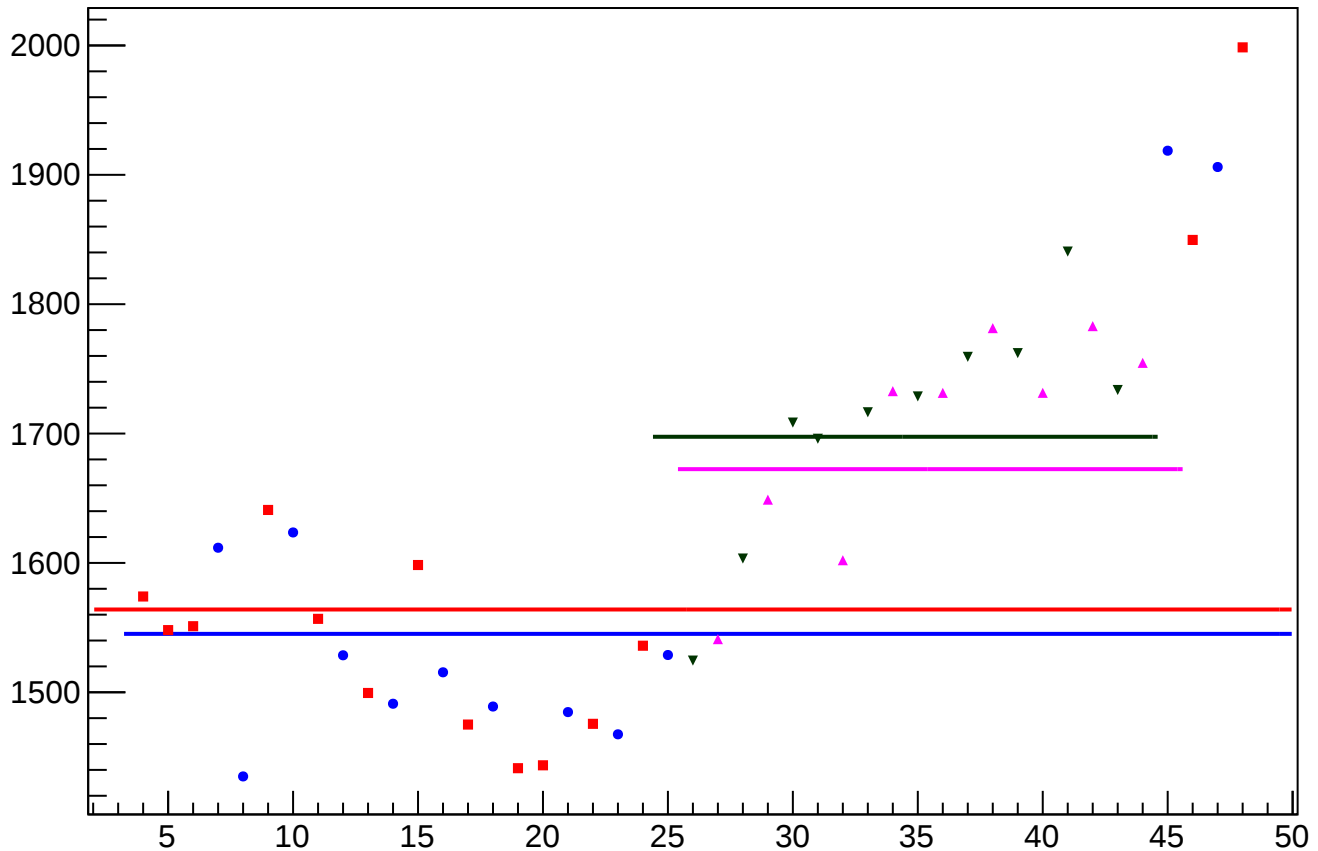
Right Out: 2.805 $\pm$ 0.578 χ^2 /NDF: 17.5/13

Left In: -4.078 $\pm$ 0.705 χ^2 /NDF:11.3/8

2.138 $\pm$ 0.446 χ^2 /NDF: 64.1/21

0.038 $\pm$ 0.447 χ^2 /NDF: 85.9/22

diff_bpm0l09Y_rms vs slug



Right In: 1545.154+/-0.397 χ^2/NDF : 109400.0/11

Left Out: 1697.515+/-0.518 χ^2/NDF : 28748.0/9

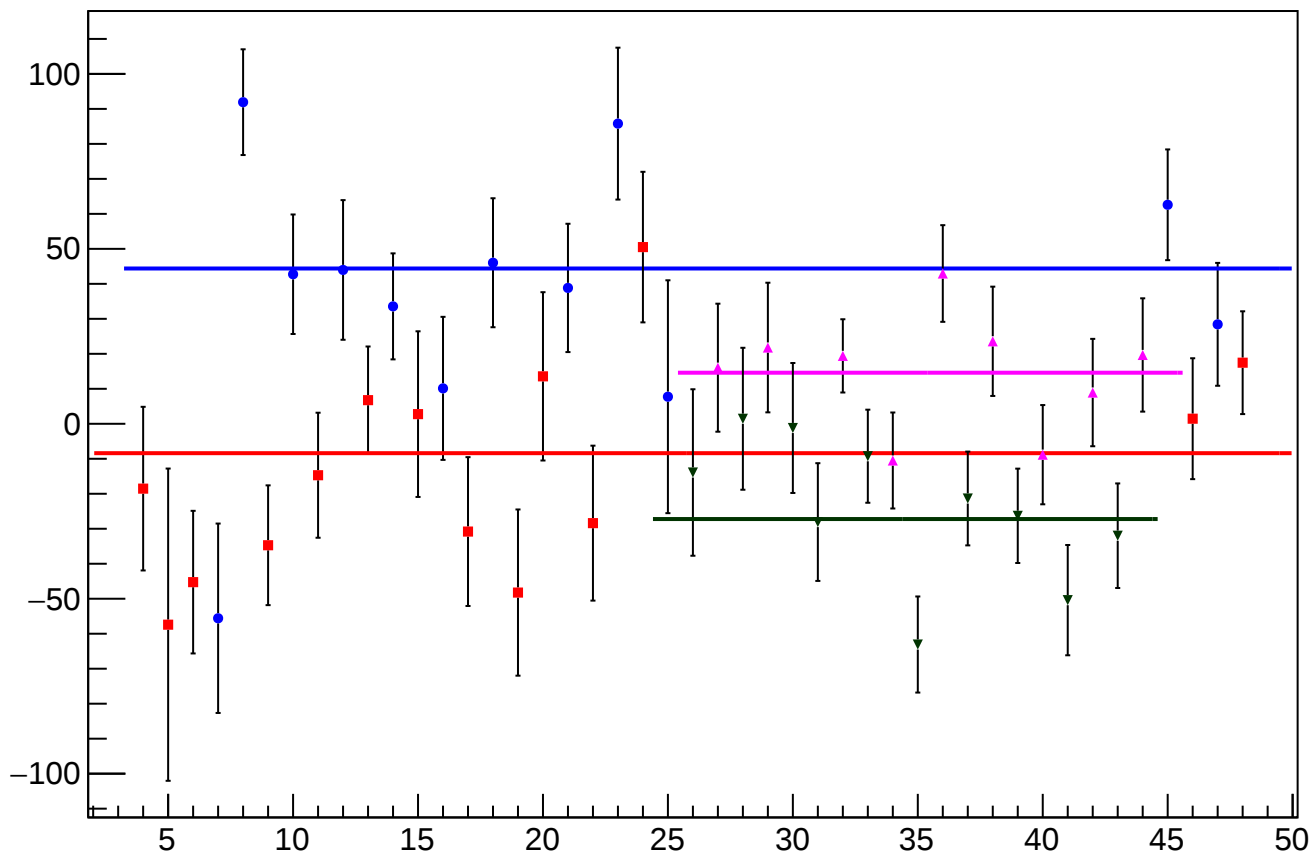
Right Out: 1563.996+/-0.408 χ^2/NDF : 93242.9/13

Left In: 1672.485+/-0.498 χ^2/NDF : 29989.7/8

1601.643+/-0.315 χ^2/NDF : 192627.8/21

1607.606+/-0.316 χ^2/NDF : 151588.6/22

diff_bpm0l10X_mean vs slug



Right In: 44.385 $\pm$ 5.375 χ^2 /NDF: 34.0/11

Left Out: -27.224 $\pm$ 4.929 χ^2 /NDF:15.4/9

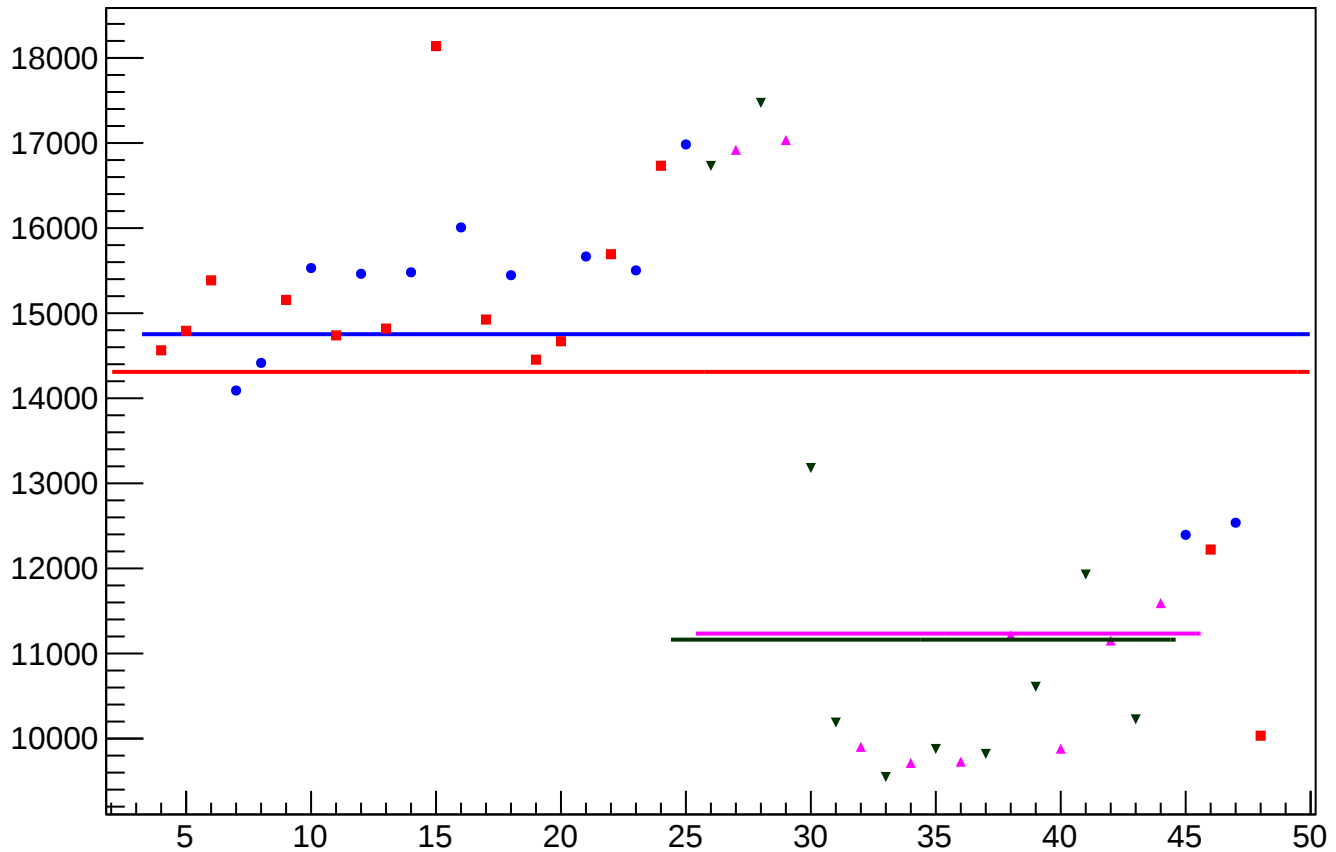
Right Out: -8.398 $\pm$ 5.329 χ^2 /NDF: 24.8/13

Left In: 14.599 $\pm$ 4.839 χ^2 /NDF:11.2/8

5.490 $\pm$ 3.633 χ^2 /NDF: 145.8/21

4.207 $\pm$ 3.582 χ^2 /NDF: 46.3/22

diff_bpm0l10X_rms vs slug



Right In: 14753.095+/-3.801 χ^2/NDF : 116449.7/11

Left Out: 11162.780+/-3.486 χ^2/NDF : 416378.4/9

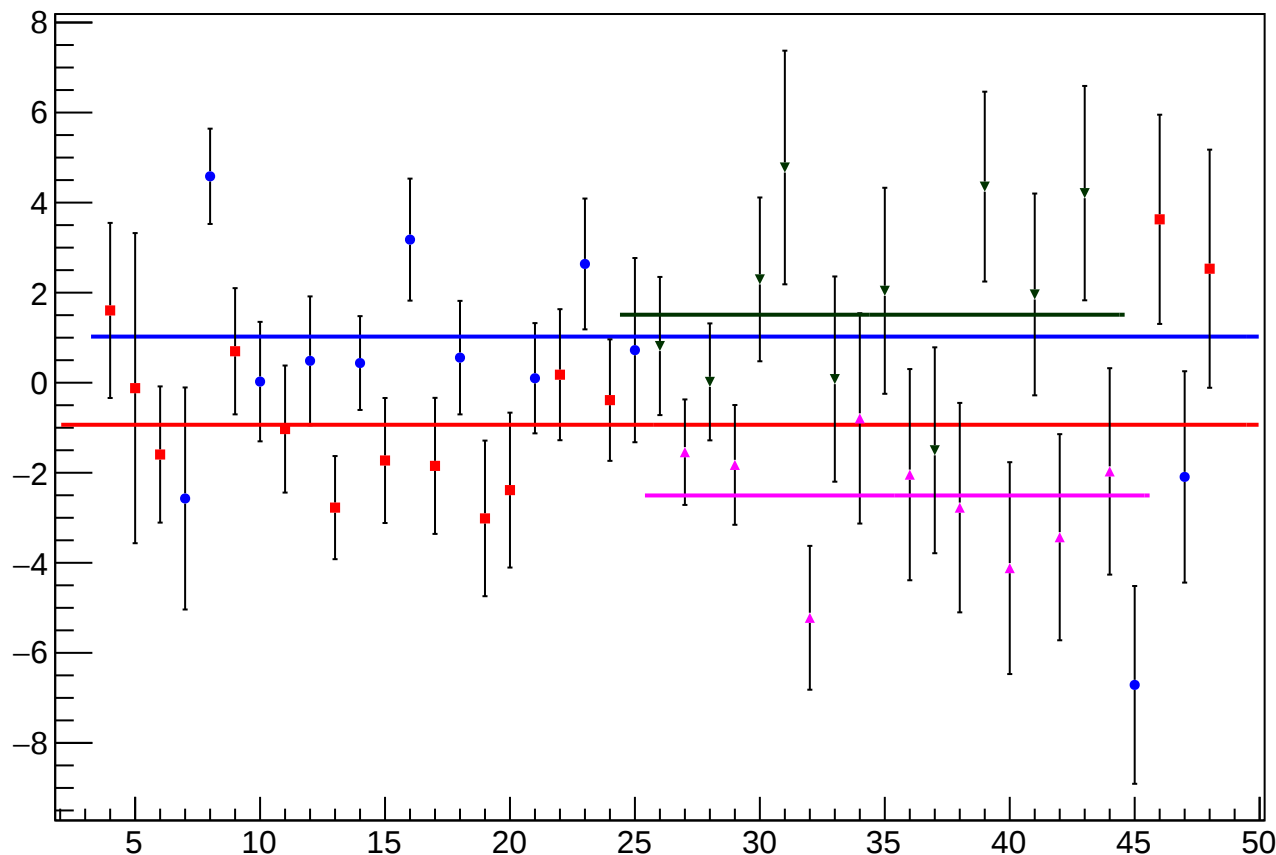
12802.981+/-2.569 χ^2/NDF : 1017518.7/21

Right Out: 14310.126+/-3.768 χ^2/NDF : 300670.9/13

12624.170+/-2.533 χ^2/NDF : 1155212.8/22

Left In: 11234.076+/-3.421 χ^2/NDF : 489264.7/8

diff_bpm0l10Y_mean vs slug



Right In: 1.024 ± 0.409 χ^2/NDF : 33.1/11

Left Out: 1.510 ± 0.615 χ^2/NDF : 8.6/9

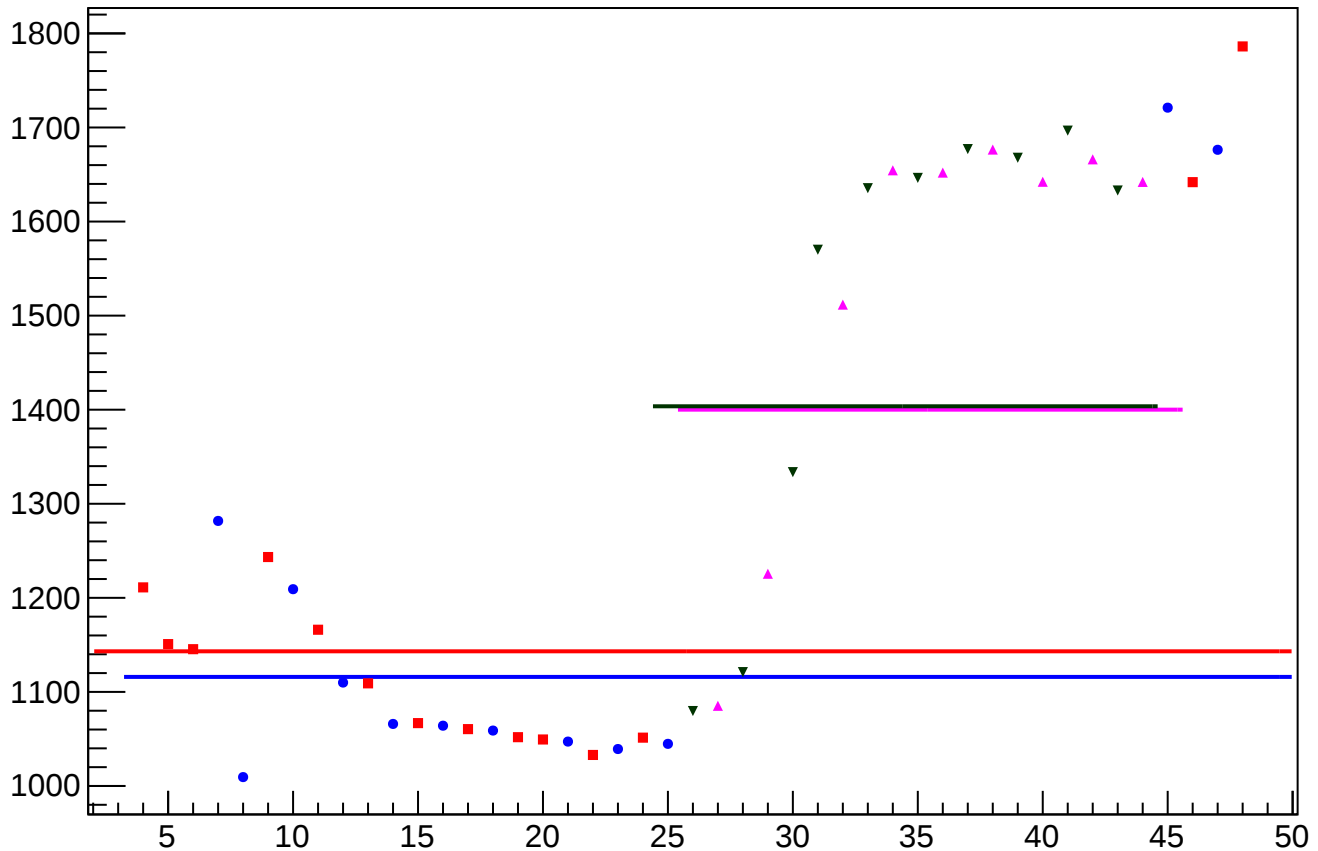
Right Out: -0.934 ± 0.425 χ^2/NDF : 15.1/13

Left In: -2.504 ± 0.598 χ^2/NDF : 5.1/8

1.173 ± 0.341 χ^2/NDF : 42.2/21

-1.461 ± 0.346 χ^2/NDF : 24.8/22

diff_bpm0l10Y_rms vs slug



Right In: 1115.943+/-0.289 χ^2/NDF : 330929.0/11

Left Out: 1403.619+/-0.435 χ^2/NDF : 351032.7/9

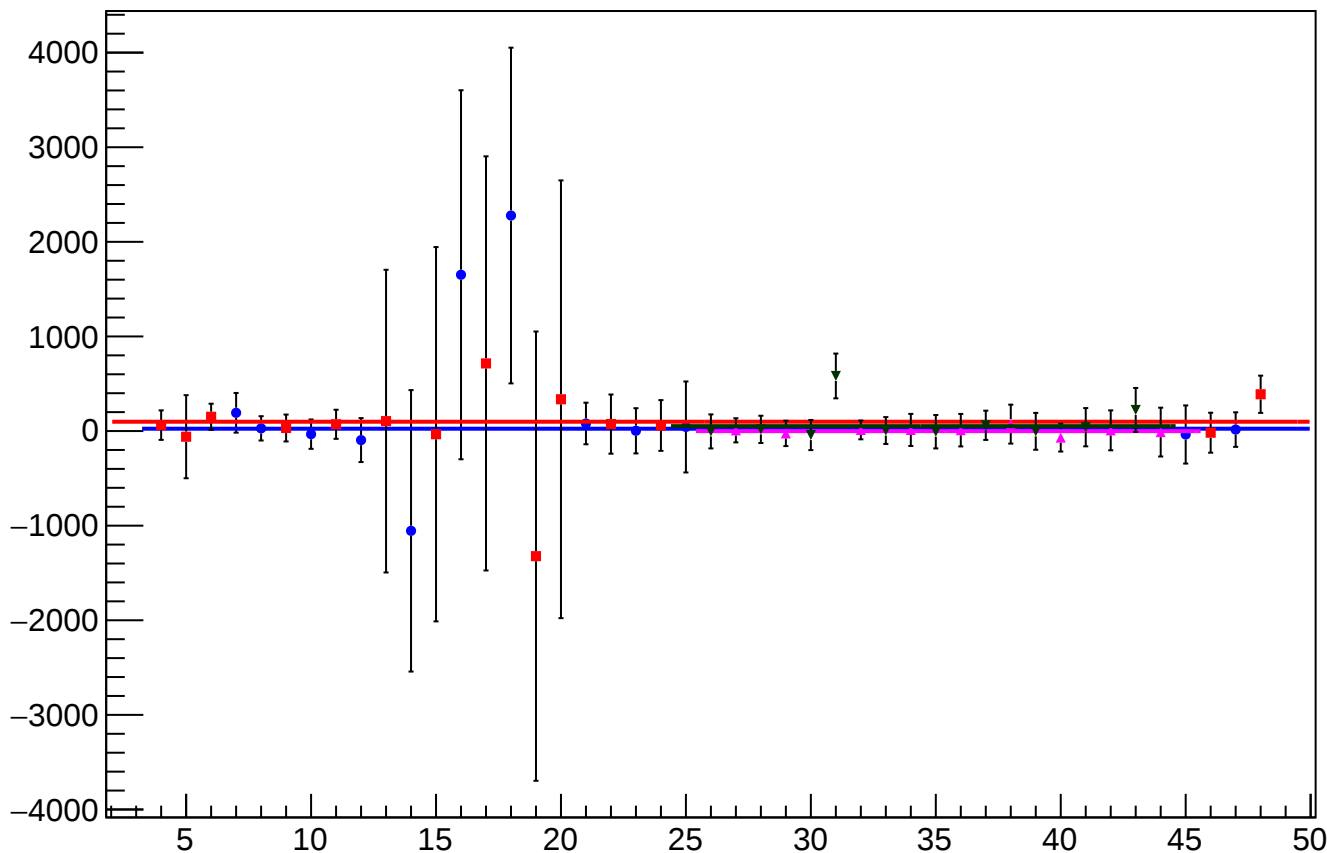
Right Out: 1143.153+/-0.300 χ^2/NDF : 269677.2/13

Left In: 1400.046+/-0.423 χ^2/NDF : 334198.8/8

1204.163+/-0.241 χ^2/NDF : 985370.9/21

1229.357+/-0.245 χ^2/NDF : 849206.3/22

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs slug



Right In: 24.704+/-66.287 χ^2/NDF : 4.0/11

Left Out: 51.986+/-55.093 χ^2/NDF : 6.4/9

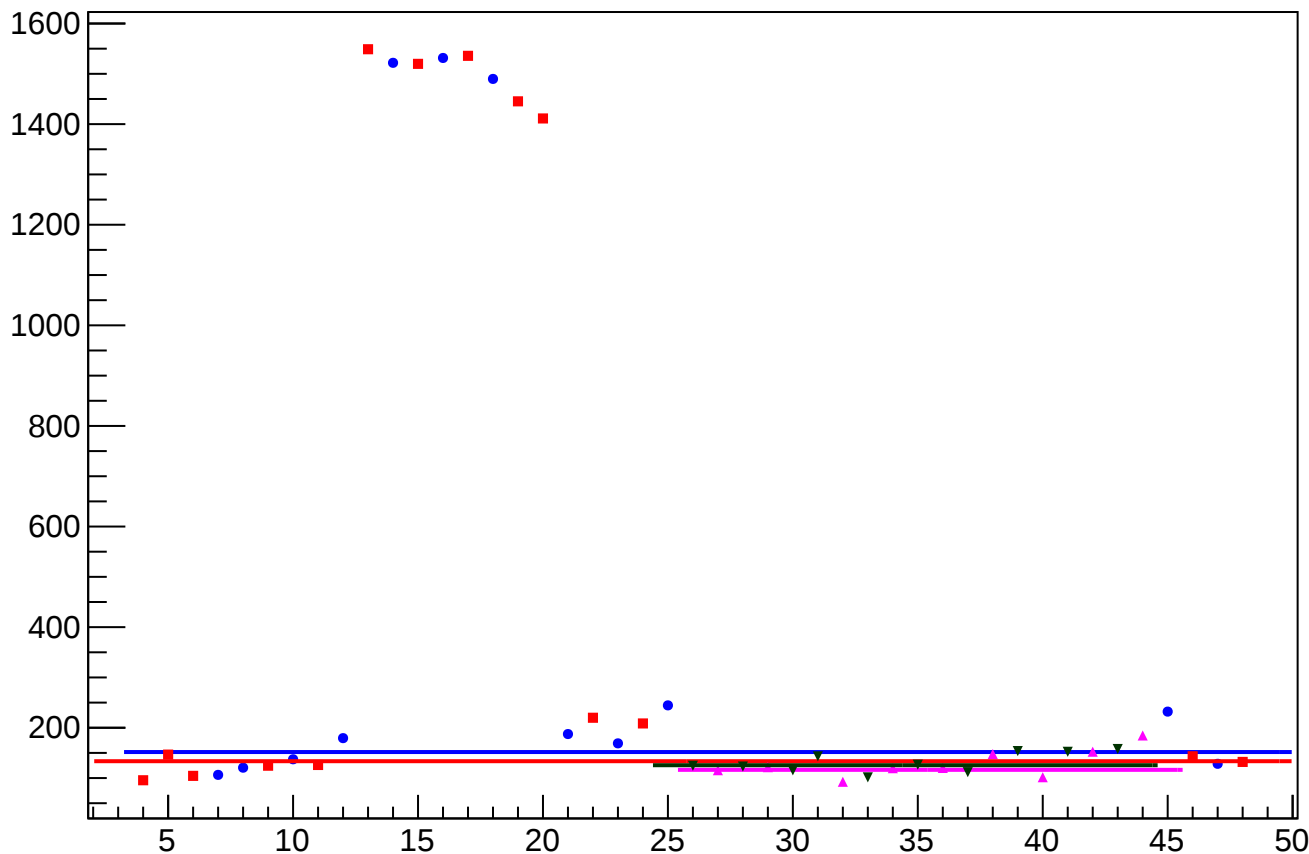
Right Out: 98.522+/-61.533 χ^2/NDF : 3.5/13

Left In: -1.037+/-50.364 χ^2/NDF : 0.4/8

40.840+/-42.369 χ^2/NDF : 10.5/21

38.903+/-38.974 χ^2/NDF : 5.5/22

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs slug



Right In: 151.726+/-0.047 χ^2/NDF : 4399930.8/11

Left Out: 125.526+/-0.039 χ^2/NDF : 209010.8/9

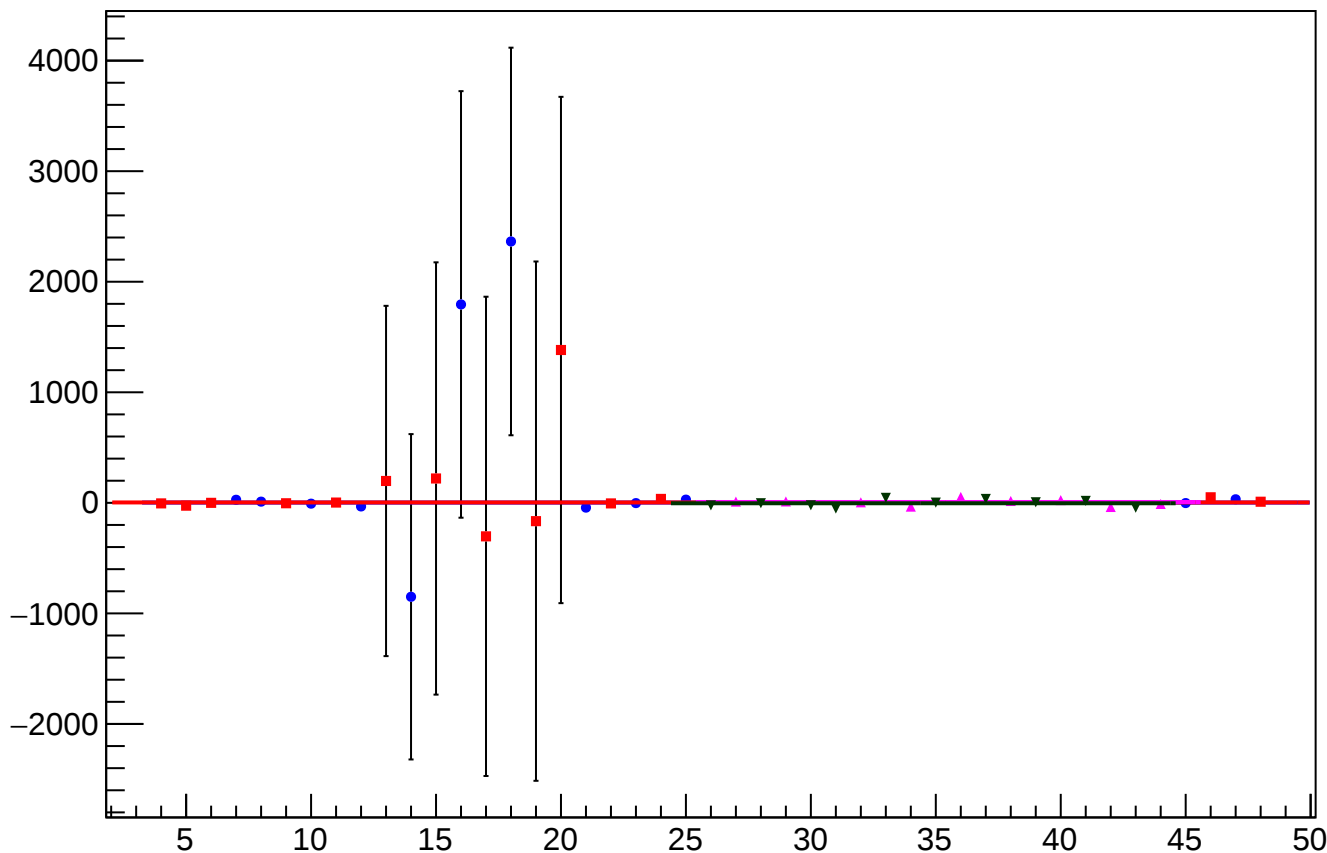
Right Out: 133.496+/-0.044 χ^2/NDF : 5124803.2/13

Left In: 116.311+/-0.036 χ^2/NDF : 383966.9/8

136.230+/-0.030 χ^2/NDF : 4793738.9/21

123.205+/-0.028 χ^2/NDF : 5602186.5/22

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs slug



Right In: 2.485+/-5.771 χ^2/NDF : 13.4/11

Left Out: -3.746+/-7.432 χ^2/NDF : 14.5/9

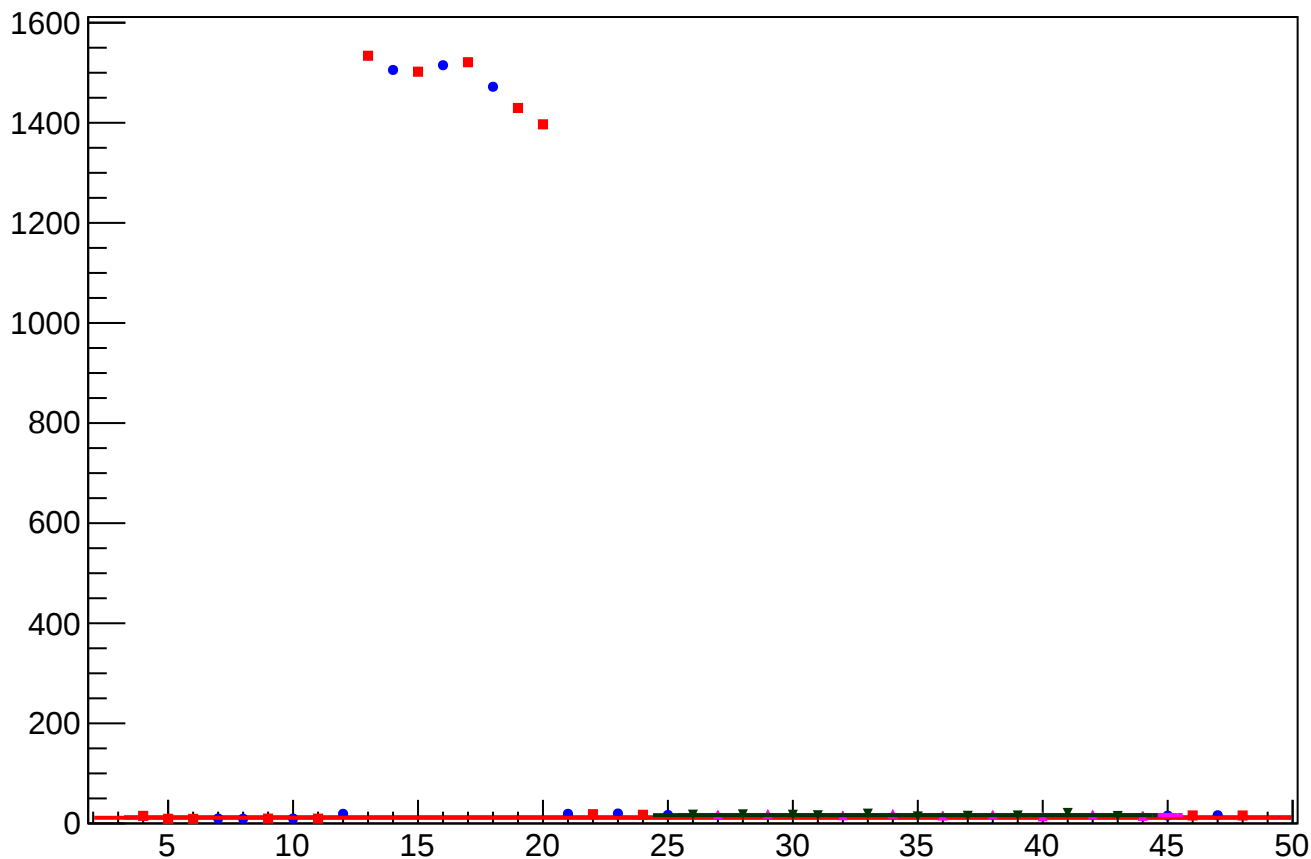
Right Out: 3.559+/-5.557 χ^2/NDF : 8.2/13

Left In: 7.617+/-7.442 χ^2/NDF : 10.5/8

0.141+/-4.558 χ^2/NDF : 28.4/21

5.012+/-4.453 χ^2/NDF : 18.9/22

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs slug



Right In: 12.141+/-0.004 χ^2 /NDF: 5503557.1/11

Left Out: 16.582+/-0.005 χ^2 /NDF:133569.4/9

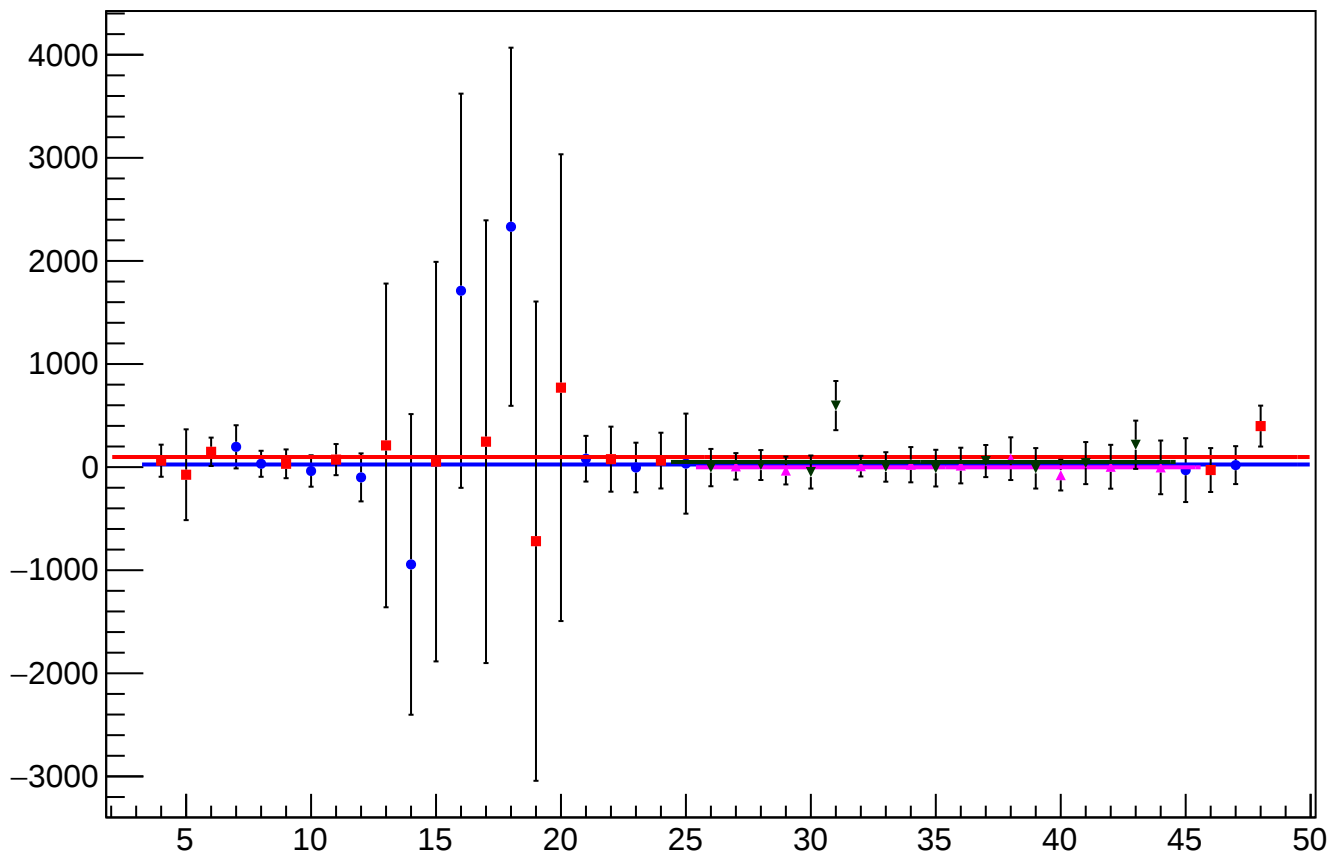
Right Out: 11.347+/-0.004 χ^2 /NDF: 6088432.8/13

Left In: 16.955+/-0.005 χ^2 /NDF:111170.8/8

13.812+/-0.003 χ^2 /NDF: 6082702.2/21

13.355+/-0.003 χ^2 /NDF: 6928882.6/22

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs slug



Right In: 25.539+/-65.917 χ^2/NDF : 4.2/11

Left Out: 50.113+/-55.521 χ^2/NDF : 6.6/9

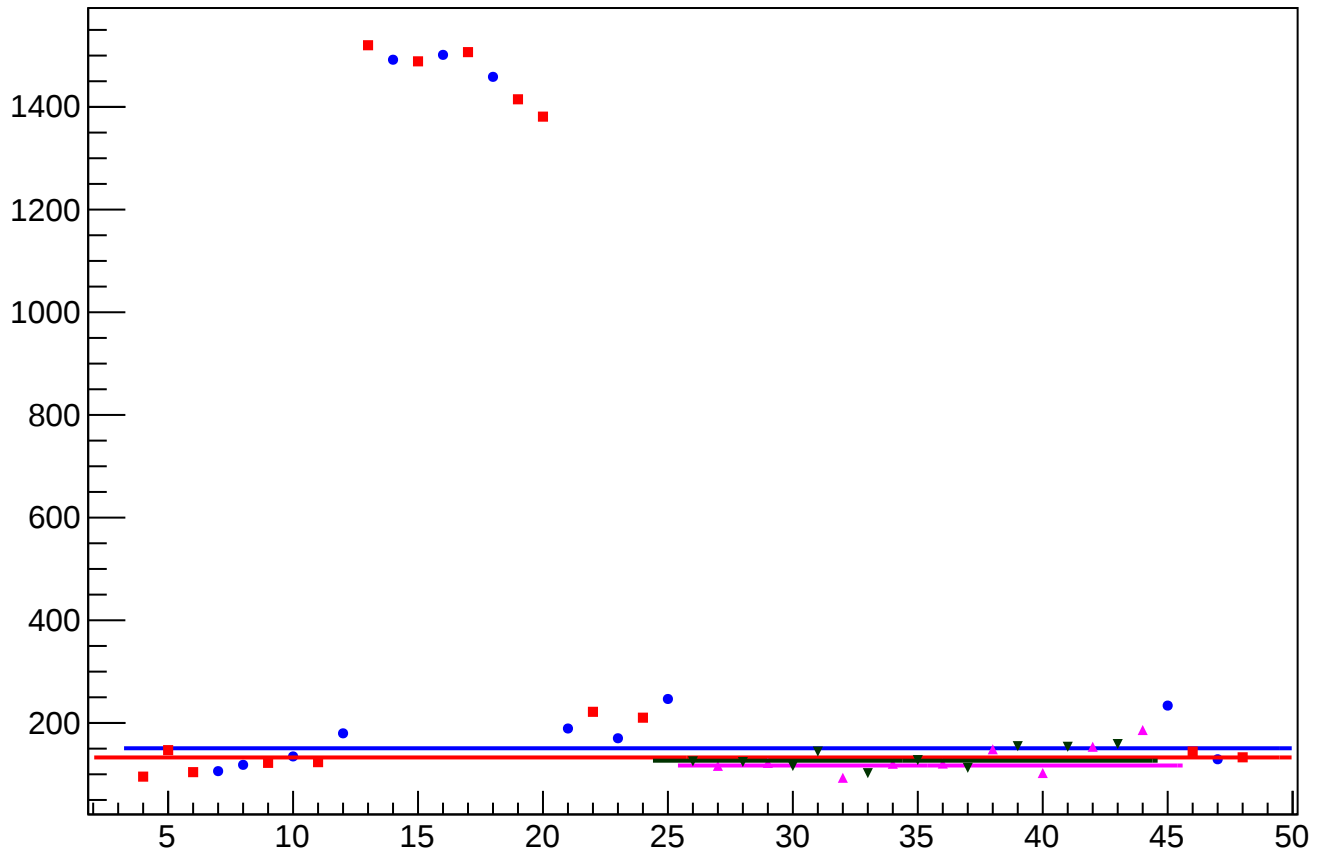
Right Out: 98.063+/-61.229 χ^2/NDF : 3.5/13

Left In: -1.728+/-50.729 χ^2/NDF : 0.5/8

39.915+/-42.465 χ^2/NDF : 10.9/21

38.890+/-39.063 χ^2/NDF : 5.6/22

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs slug



Right In: 150.719+/-0.047 χ^2/NDF : 4421759.2/11

Left Out: 126.498+/-0.039 χ^2/NDF : 209198.2/9

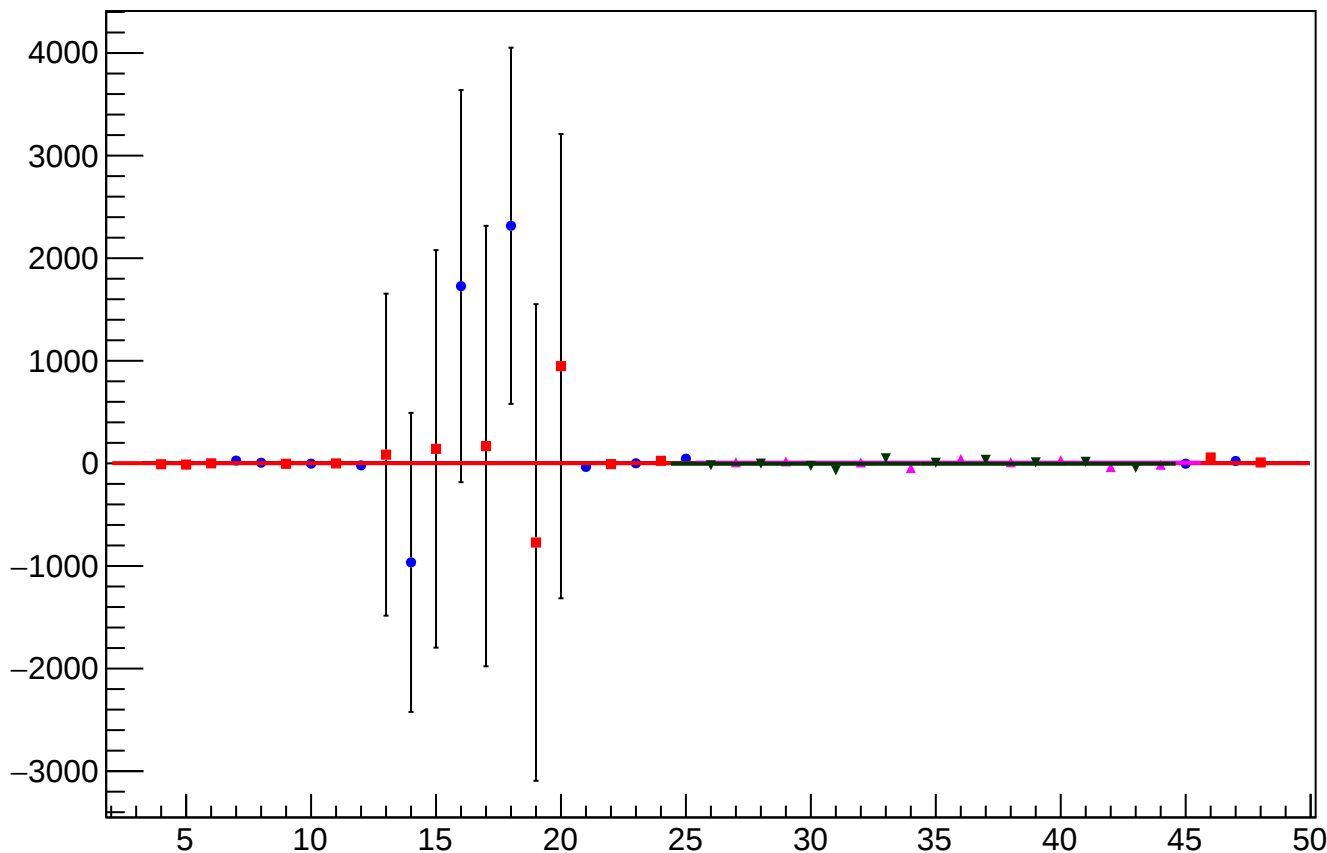
136.550+/-0.030 χ^2/NDF : 4788919.7/21

Right Out: 132.818+/-0.043 χ^2/NDF : 5127268.0/13

123.522+/-0.028 χ^2/NDF : 5589724.4/22

Left In: 117.142+/-0.036 χ^2/NDF : 384721.1/8

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs slug



Right In: 3.251+/-5.267 χ^2/NDF : 10.9/11

Left Out: -3.293+/-7.243 χ^2/NDF : 18.2/9

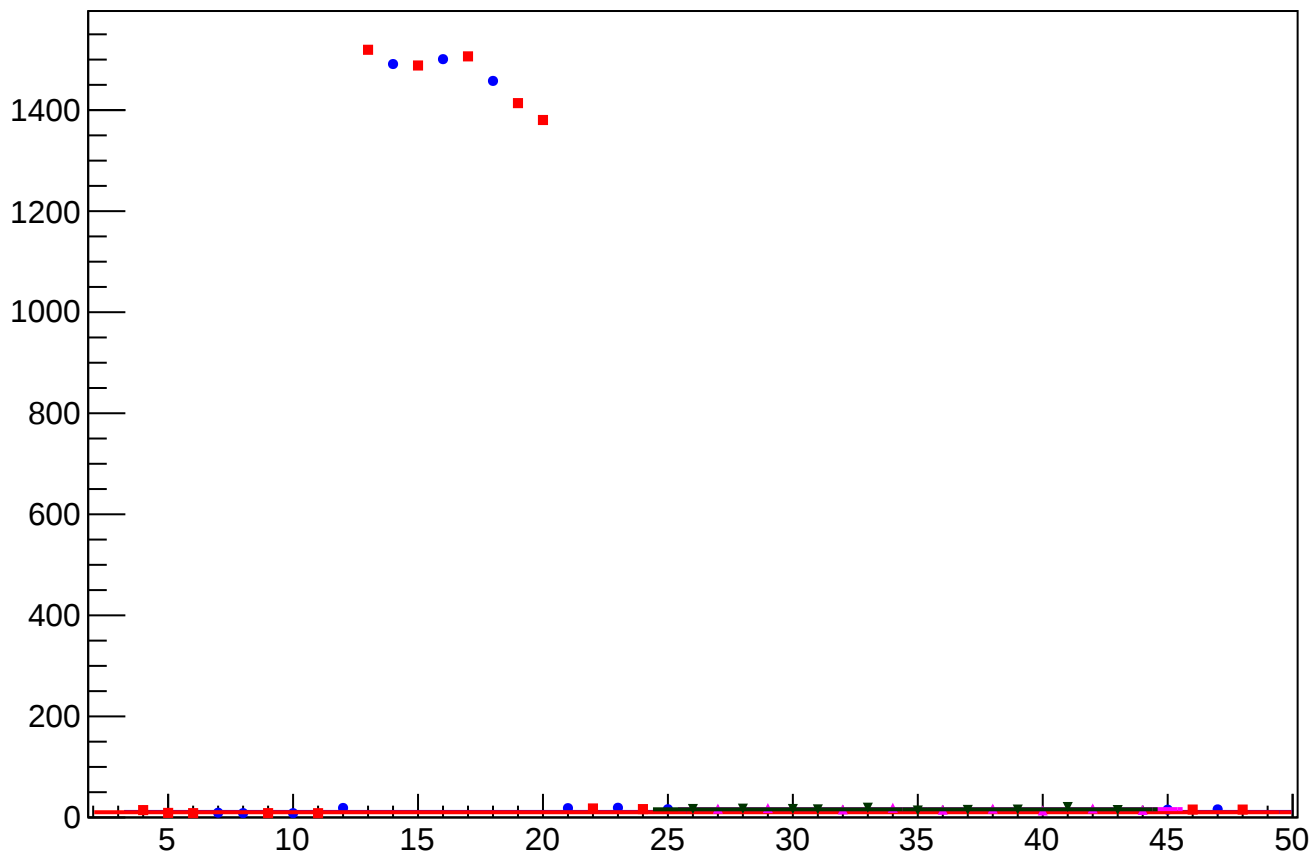
Right Out: 2.453+/-5.105 χ^2/NDF : 8.2/13

Left In: 7.660+/-7.257 χ^2/NDF : 11.3/8

0.988+/-4.260 χ^2/NDF : 29.6/21

4.176+/-4.175 χ^2/NDF : 19.8/22

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs slug



Right In: 10.914 $\pm$ 0.004 χ^2/NDF : 5727753.4/11

Left Out: 16.136 $\pm$ 0.005 χ^2/NDF : 128057.2/9

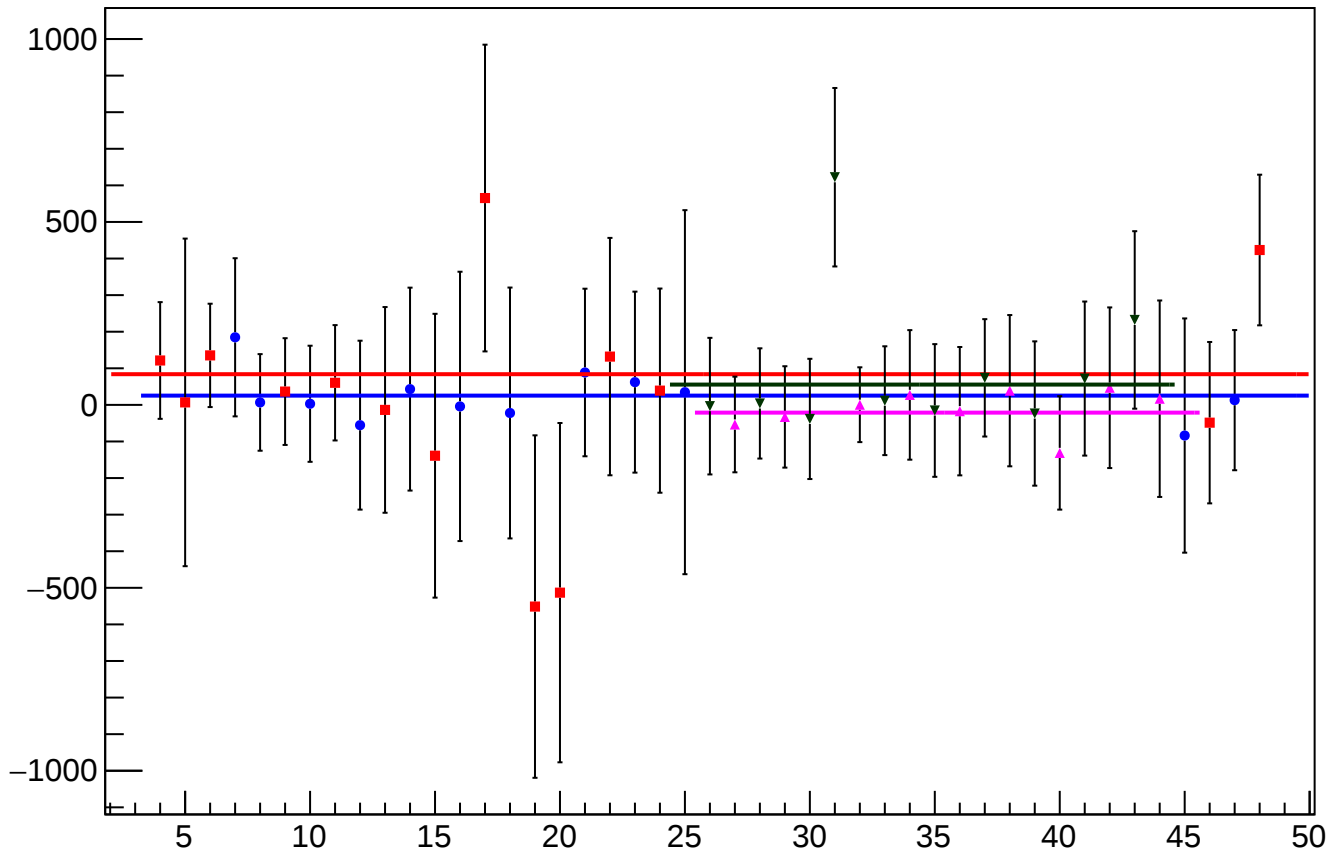
Right Out: 10.316 $\pm$ 0.004 χ^2/NDF : 6233111.5/13

Left In: 16.504 $\pm$ 0.005 χ^2/NDF : 102198.9/8

12.720 $\pm$ 0.003 χ^2/NDF : 6535851.2/21

12.364 $\pm$ 0.003 χ^2/NDF : 7308276.2/22

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs slug



Right In: 25.325+/-64.202 χ^2/NDF : 1.0/11

Left Out: 55.504+/-57.134 χ^2/NDF : 6.9/9

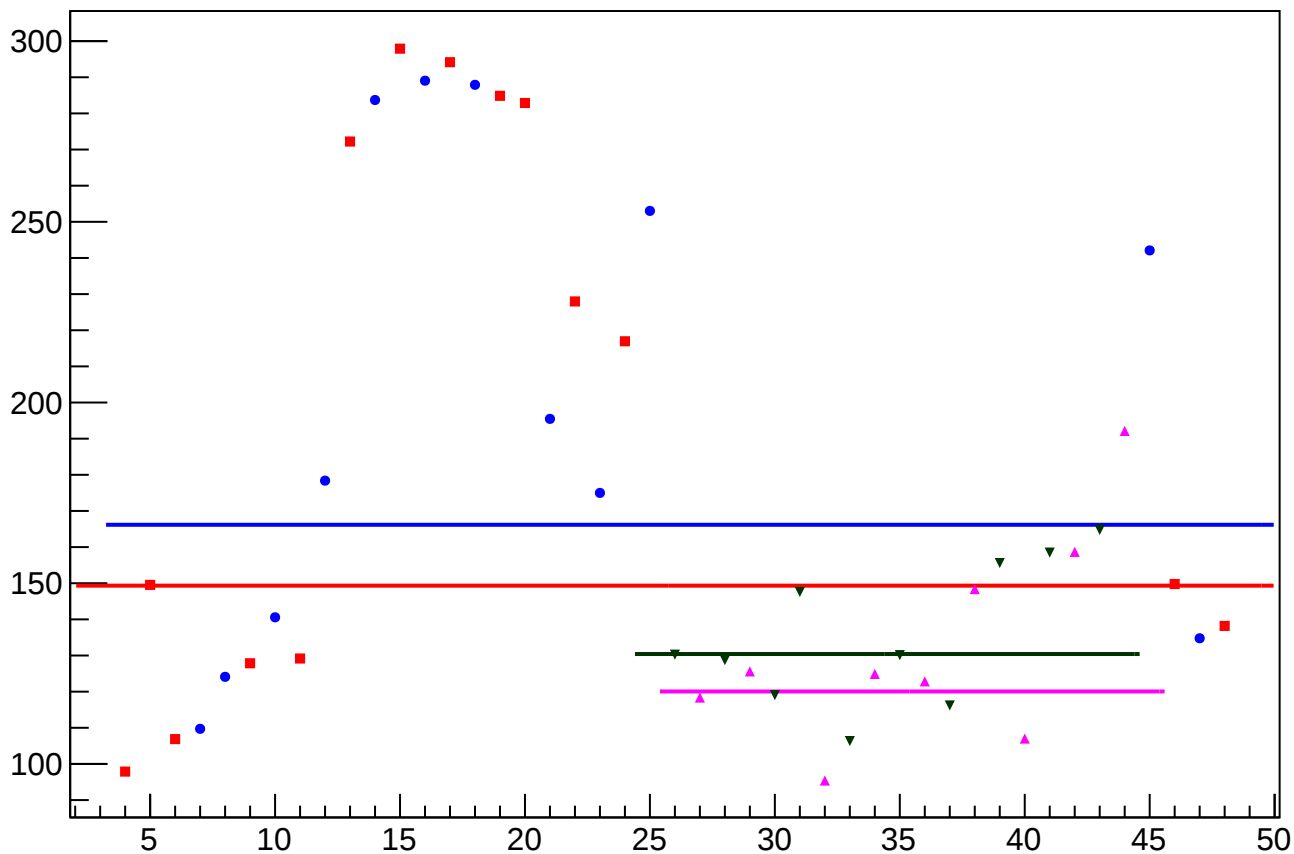
Right Out: 83.887+/-59.513 χ^2/NDF : 8.7/13

Left In: -21.169+/-51.965 χ^2/NDF : 0.9/8

42.167+/-42.681 χ^2/NDF : 8.0/21

24.279+/-39.143 χ^2/NDF : 11.4/22

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs slug



Right In: 166.175+/-0.045 χ^2/NDF : 1493962.6/11

Left Out: 130.412+/-0.040 χ^2/NDF :196128.5/9

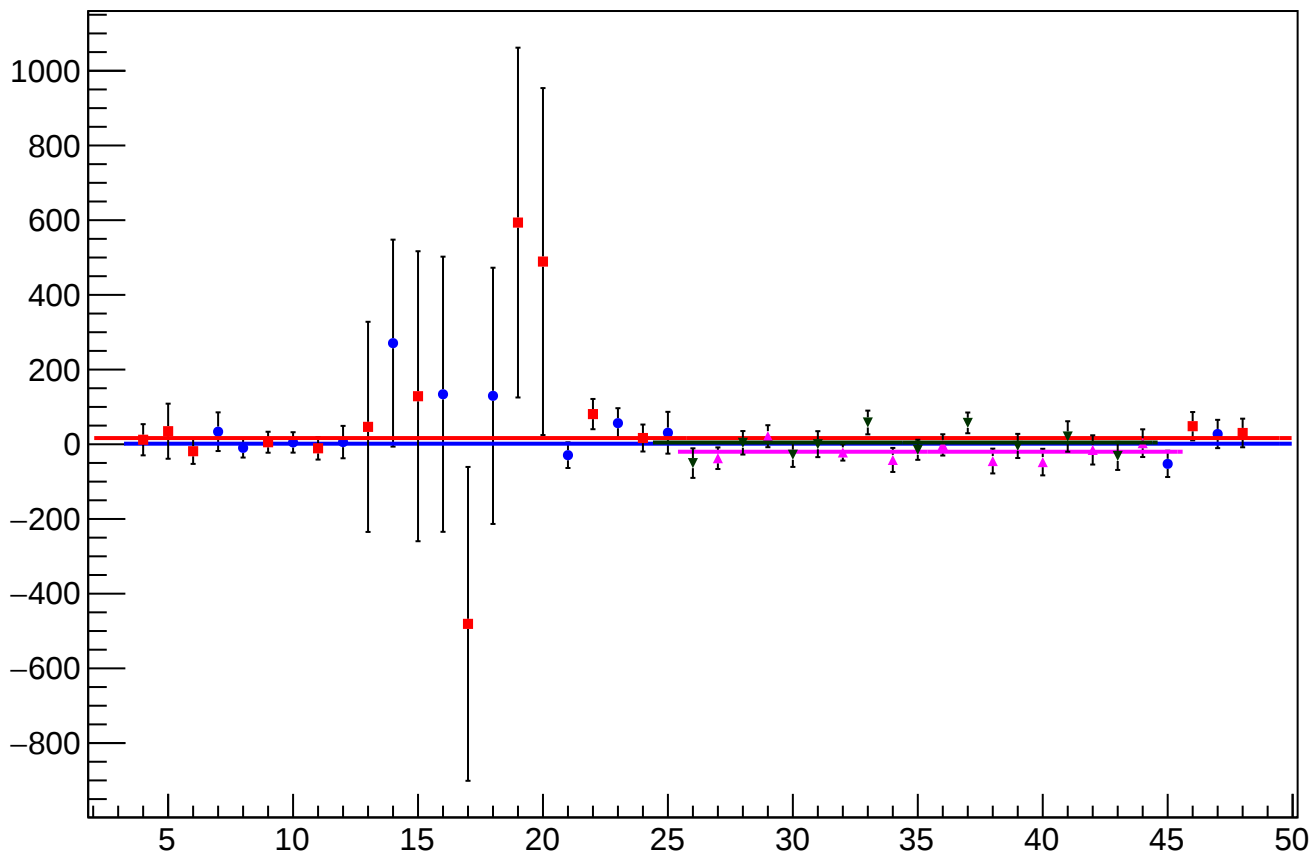
146.217+/-0.030 χ^2/NDF : 2036420.9/21

Right Out: 149.329+/-0.042 χ^2/NDF : 1953637.5/13

132.718+/-0.028 χ^2/NDF : 2607797.8/22

Left In: 120.053+/-0.037 χ^2/NDF :379558.3/8

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs slug



Right In: 1.560 $\pm$ 11.907 χ^2 /NDF: 7.6/11

Left Out: 4.706 $\pm$ 10.341 χ^2 /NDF:11.1/9

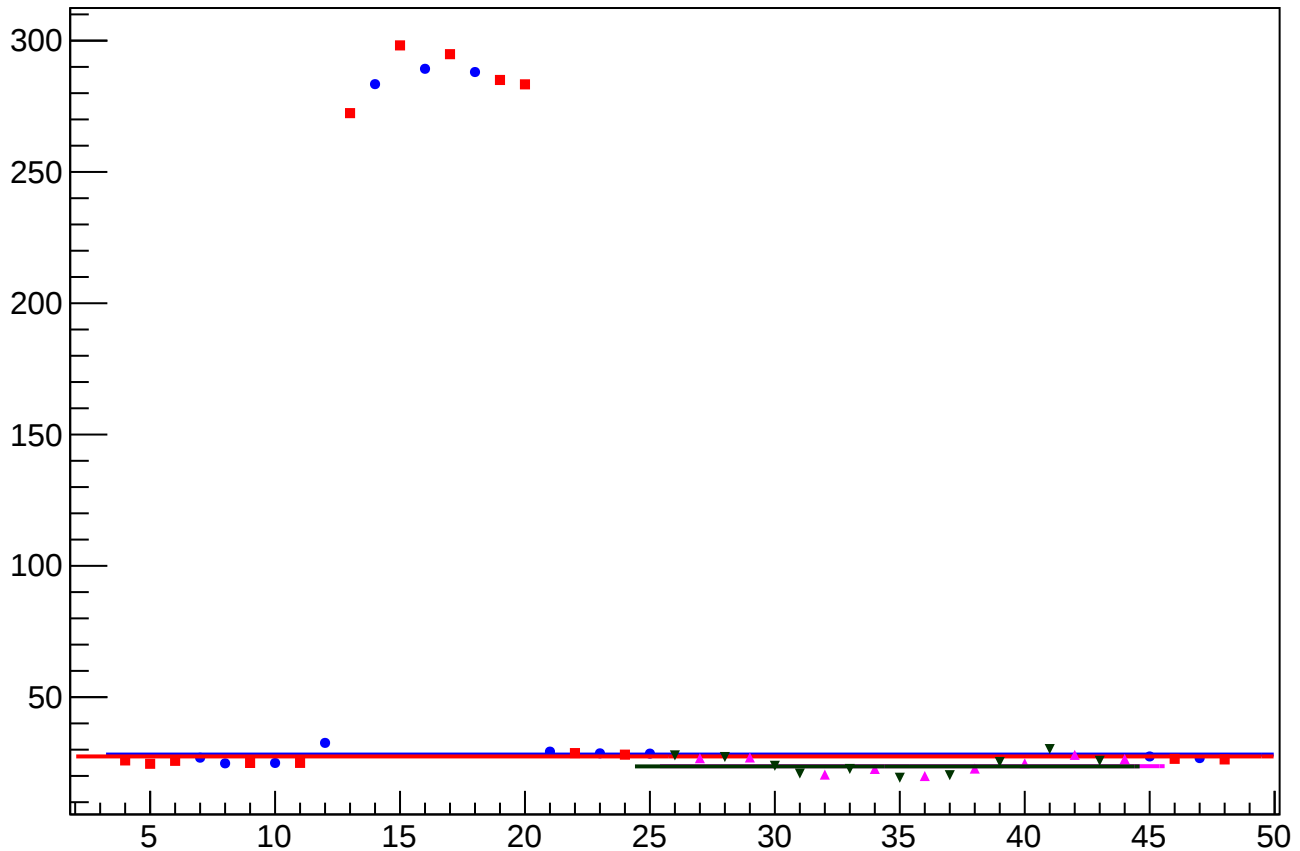
Right Out: 16.617 $\pm$ 12.148 χ^2 /NDF: 9.5/13

Left In: -19.983 $\pm$ 10.142 χ^2 /NDF:4.8/8

3.353 $\pm$ 7.808 χ^2 /NDF: 18.7/21

-4.951 $\pm$ 7.786 χ^2 /NDF: 19.7/22

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs slug



Right In: 28.133+/-0.008 χ^2 /NDF: 3940211.6/11

Left Out: 23.629+/-0.007 χ^2 /NDF:207433.9/9

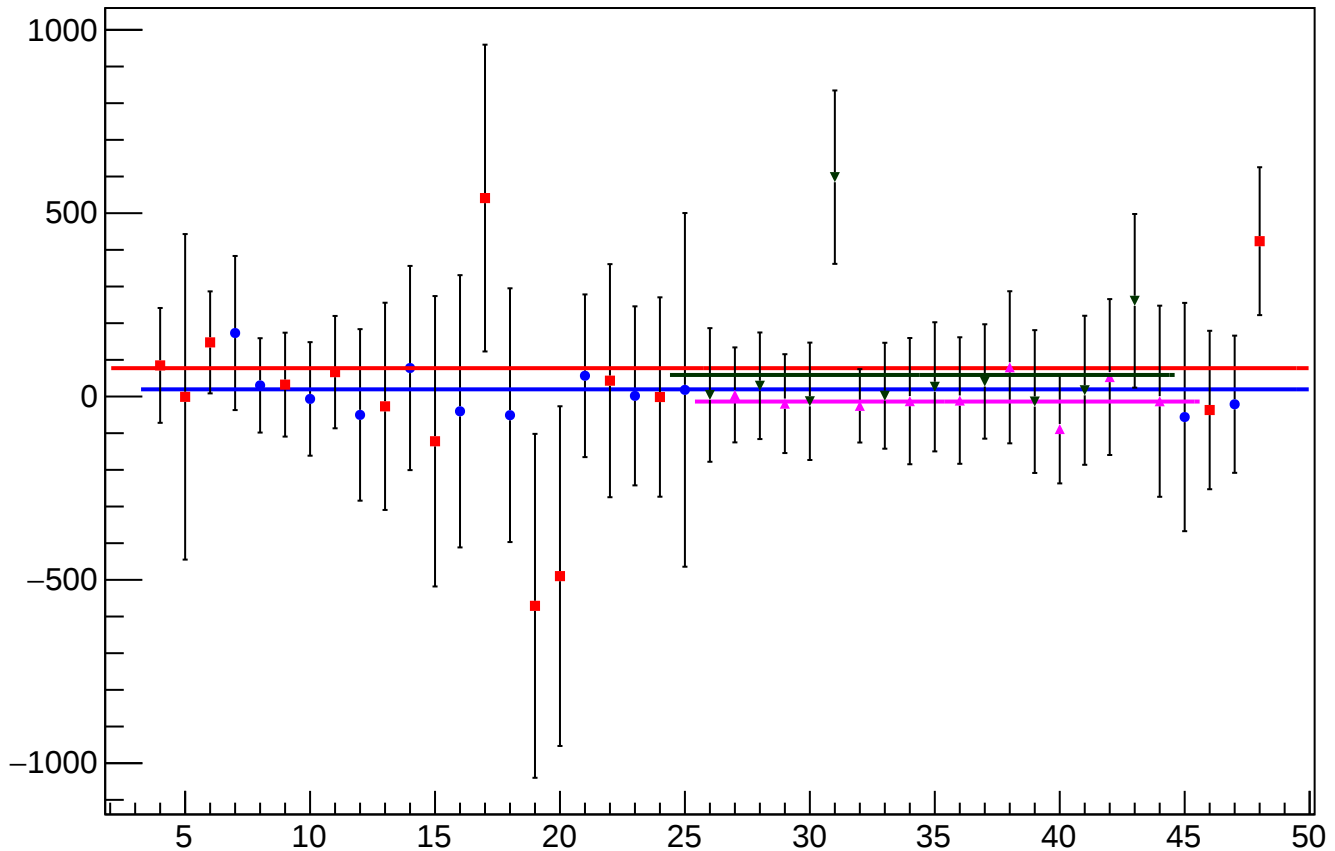
25.565+/-0.006 χ^2 /NDF: 4310820.0/21

Right Out: 27.422+/-0.009 χ^2 /NDF: 4556805.5/13

25.234+/-0.006 χ^2 /NDF: 4832681.7/22

Left In: 23.710+/-0.007 χ^2 /NDF:165851.2/8

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs slug



Right In: 19.585+/-63.018 χ^2/NDF : 0.9/11

Left Out: 58.807+/-55.552 χ^2/NDF : 6.6/9

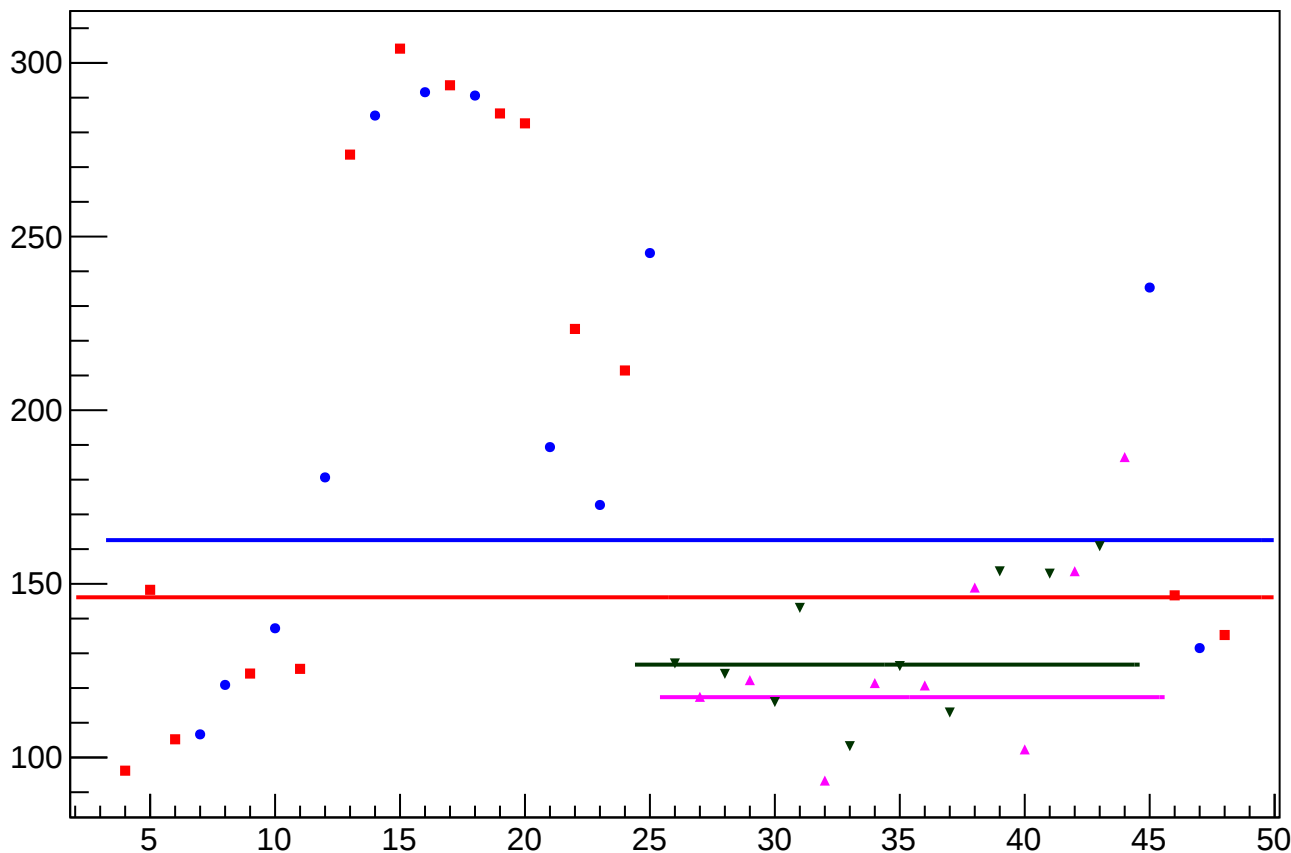
Right Out: 77.342+/-58.403 χ^2/NDF : 8.7/13

Left In: -13.722+/-50.809 χ^2/NDF : 0.6/8

41.656+/-41.672 χ^2/NDF : 7.8/21

25.509+/-38.333 χ^2/NDF : 10.7/22

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs slug



Right In: 162.592+/-0.045 χ^2/NDF : 1573710.2/11

Left Out: 126.741+/-0.039 χ^2/NDF : 200512.0/9

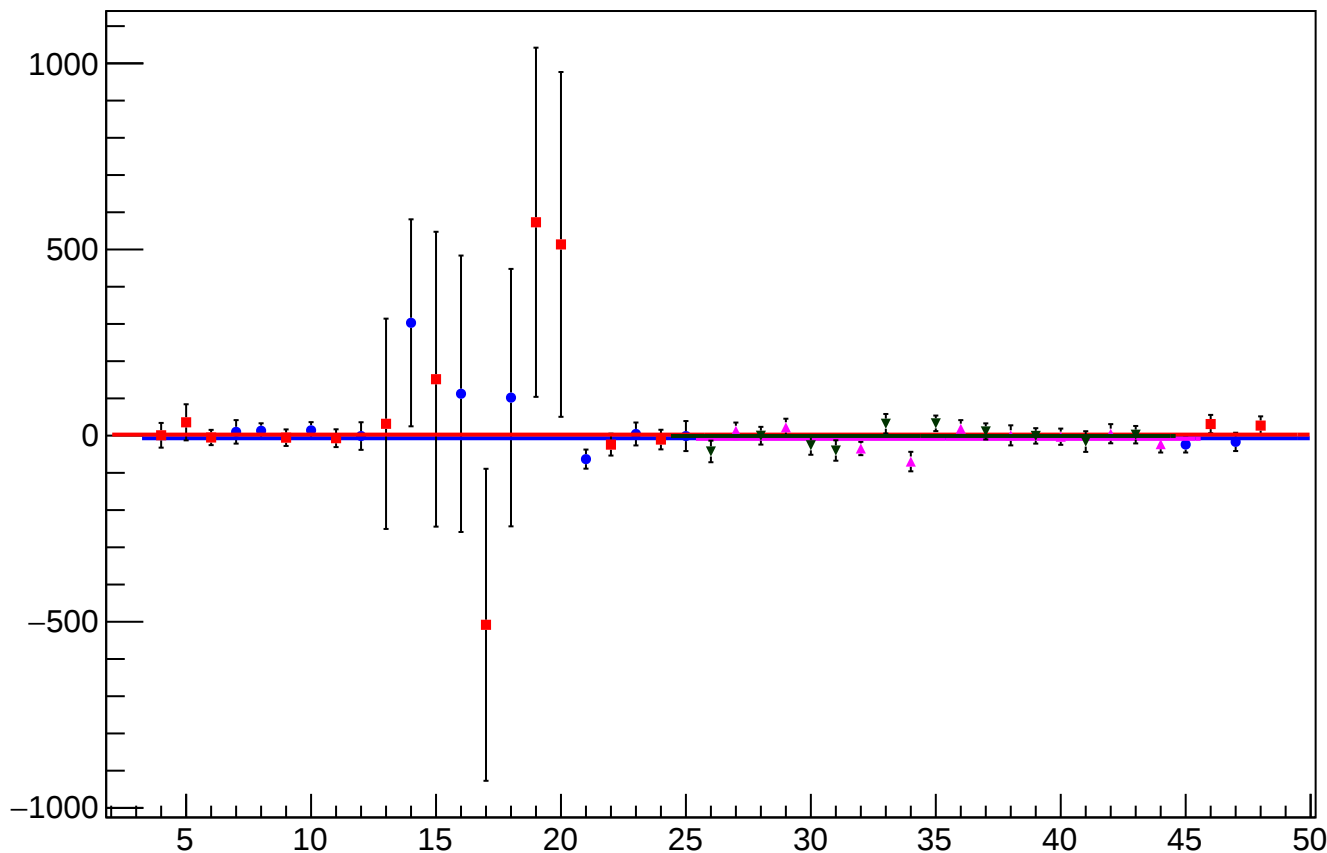
142.418+/-0.029 χ^2/NDF : 2138471.6/21

Right Out: 146.128+/-0.041 χ^2/NDF : 2023565.0/13

129.760+/-0.027 χ^2/NDF : 2685094.7/22

Left In: 117.371+/-0.036 χ^2/NDF : 385529.6/8

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs slug



Right In: -7.046+/-8.658 χ^2/NDF : 9.4/11

Left Out: -0.891+/-7.638 χ^2/NDF : 9.9/9

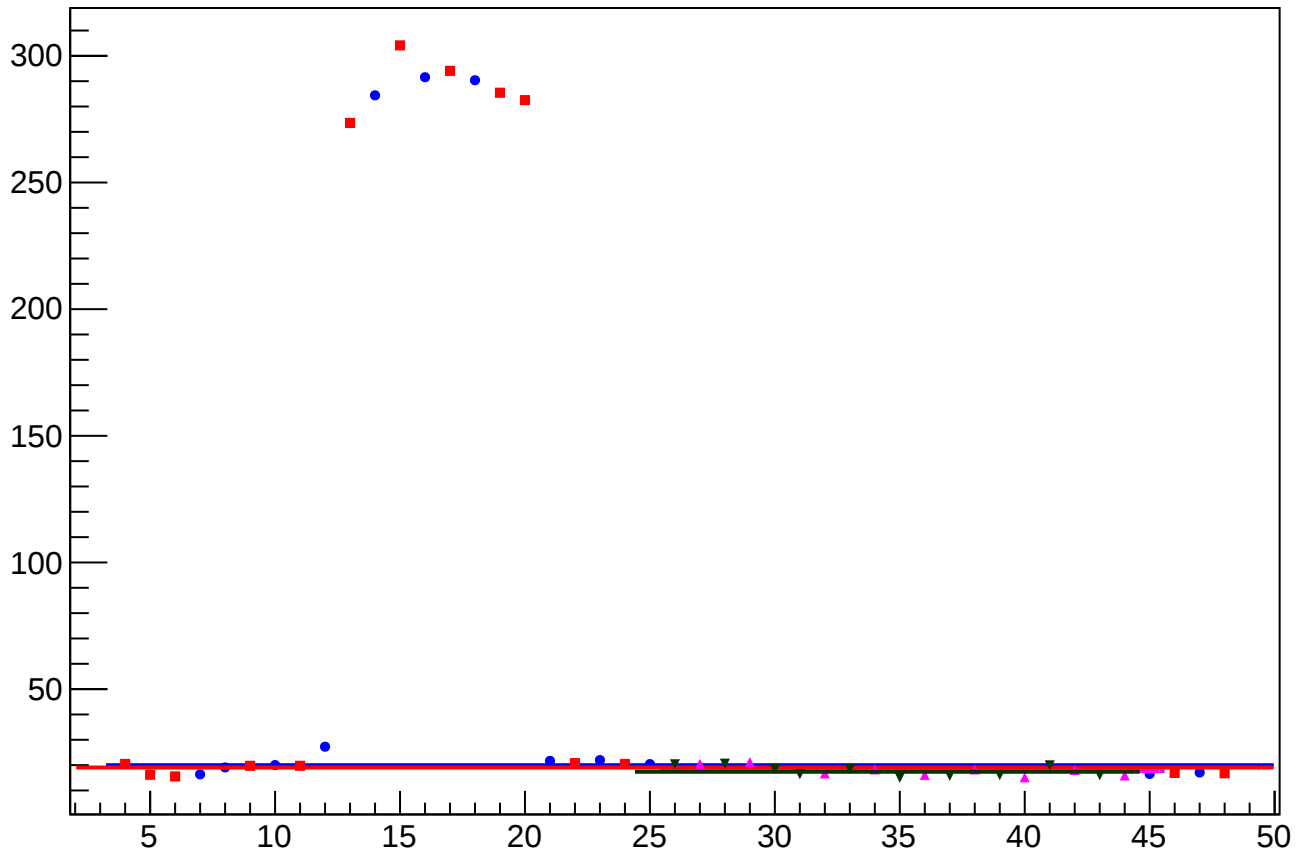
Right Out: 2.746+/-8.637 χ^2/NDF : 8.6/13

Left In: -8.626+/-7.603 χ^2/NDF : 12.5/8

-3.585+/-5.728 χ^2/NDF : 19.6/21

-3.661+/-5.707 χ^2/NDF : 22.1/22

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs slug



Right In: 19.970 $\pm$ 0.006 χ^2 /NDF: 4307126.8/11

Left Out: 17.382 $\pm$ 0.005 χ^2 /NDF:136187.2/9

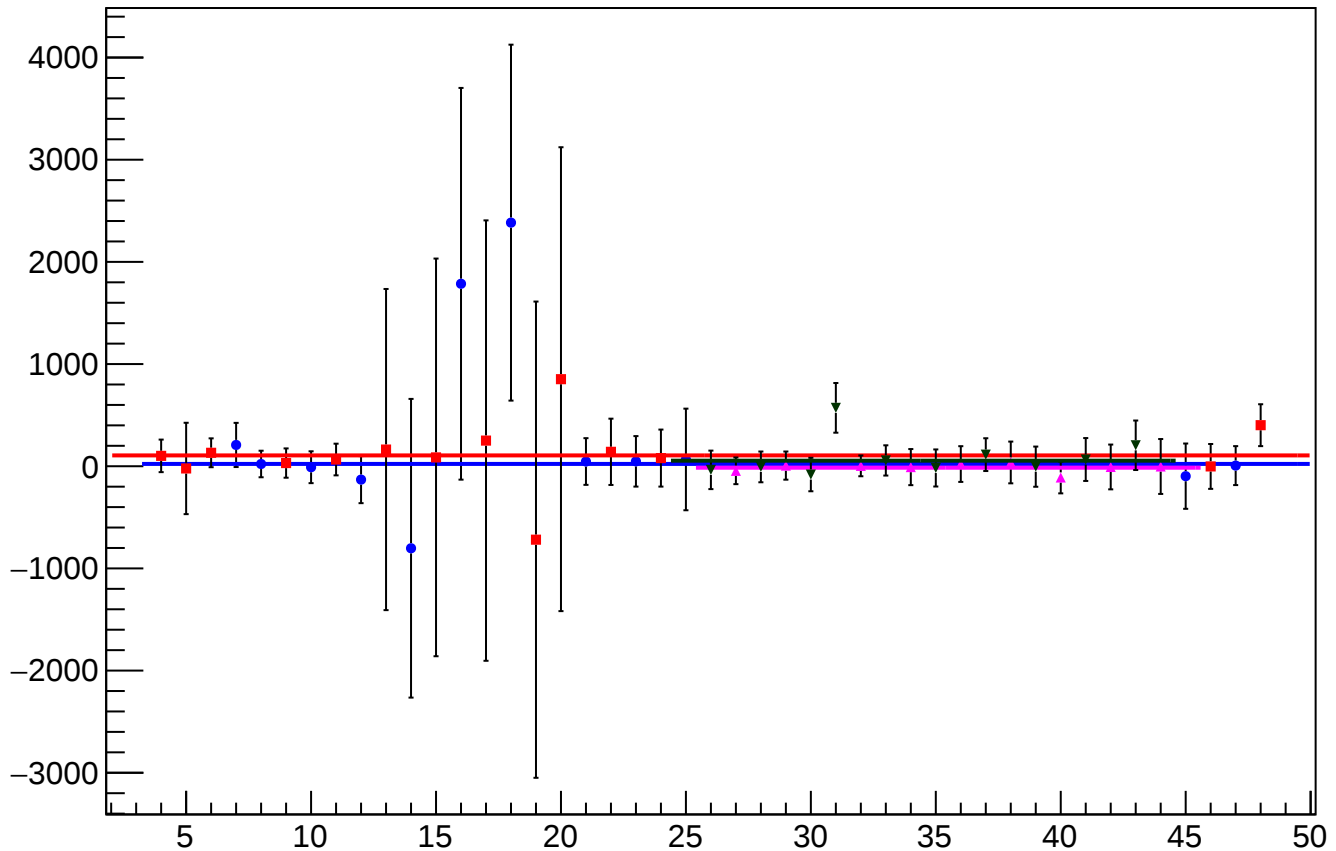
18.515 $\pm$ 0.004 χ^2 /NDF: 4543820.8/21

Right Out: 19.059 $\pm$ 0.006 χ^2 /NDF: 4931202.6/13

18.290 $\pm$ 0.004 χ^2 /NDF: 5093277.5/22

Left In: 17.695 $\pm$ 0.005 χ^2 /NDF:133973.4/8

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs slug



Right In: 22.613+/-67.628 χ^2/NDF : 4.4/11

Left Out: 54.414+/-57.060 χ^2/NDF : 6.4/9

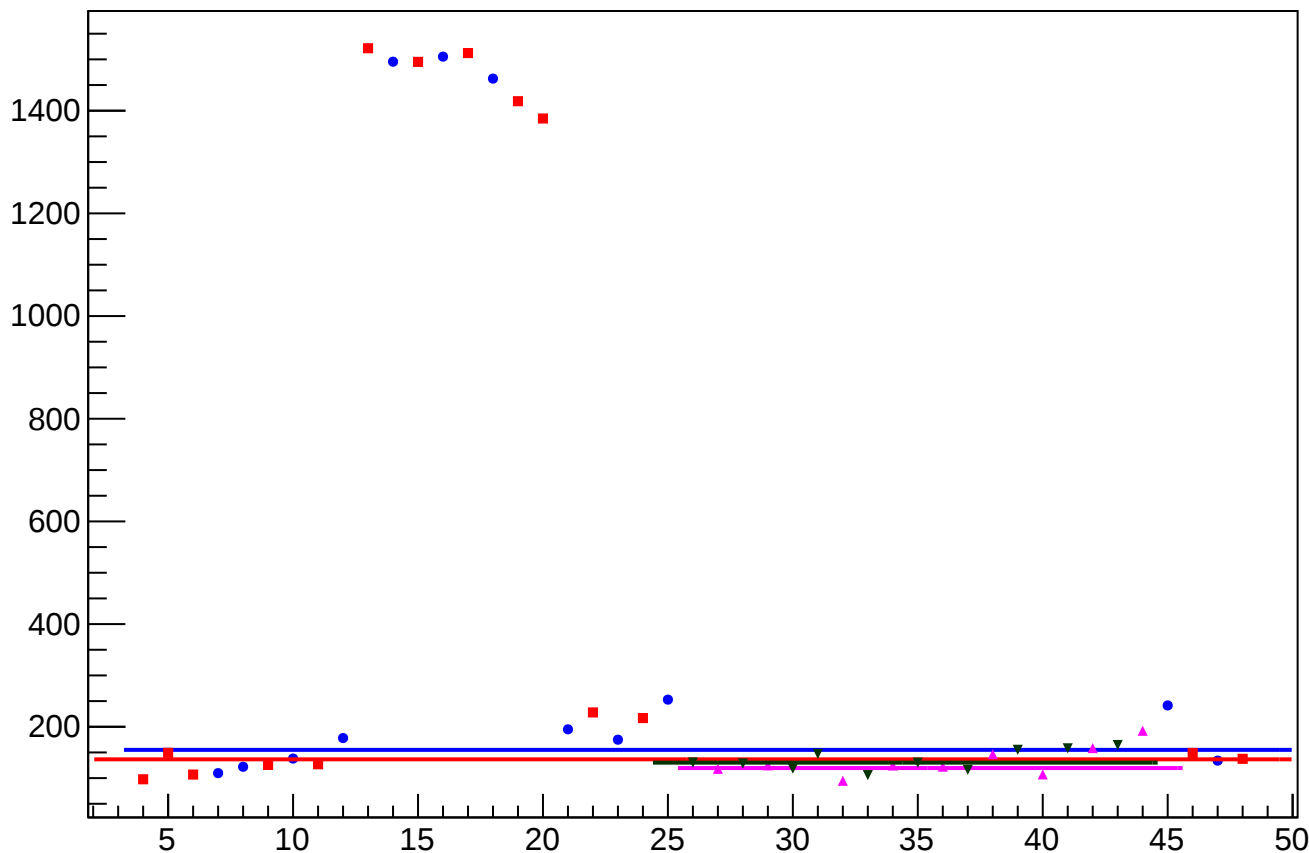
Right Out: 105.954+/-62.875 χ^2/NDF : 3.0/13

Left In: -14.439+/-51.773 χ^2/NDF : 0.6/8

41.190+/-43.611 χ^2/NDF : 10.9/21

34.207+/-39.967 χ^2/NDF : 5.8/22

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs slug



Right In: 155.018+/-0.048 χ^2/NDF : 4384034.0/11

Left Out: 130.144+/-0.040 χ^2/NDF :197118.8/9

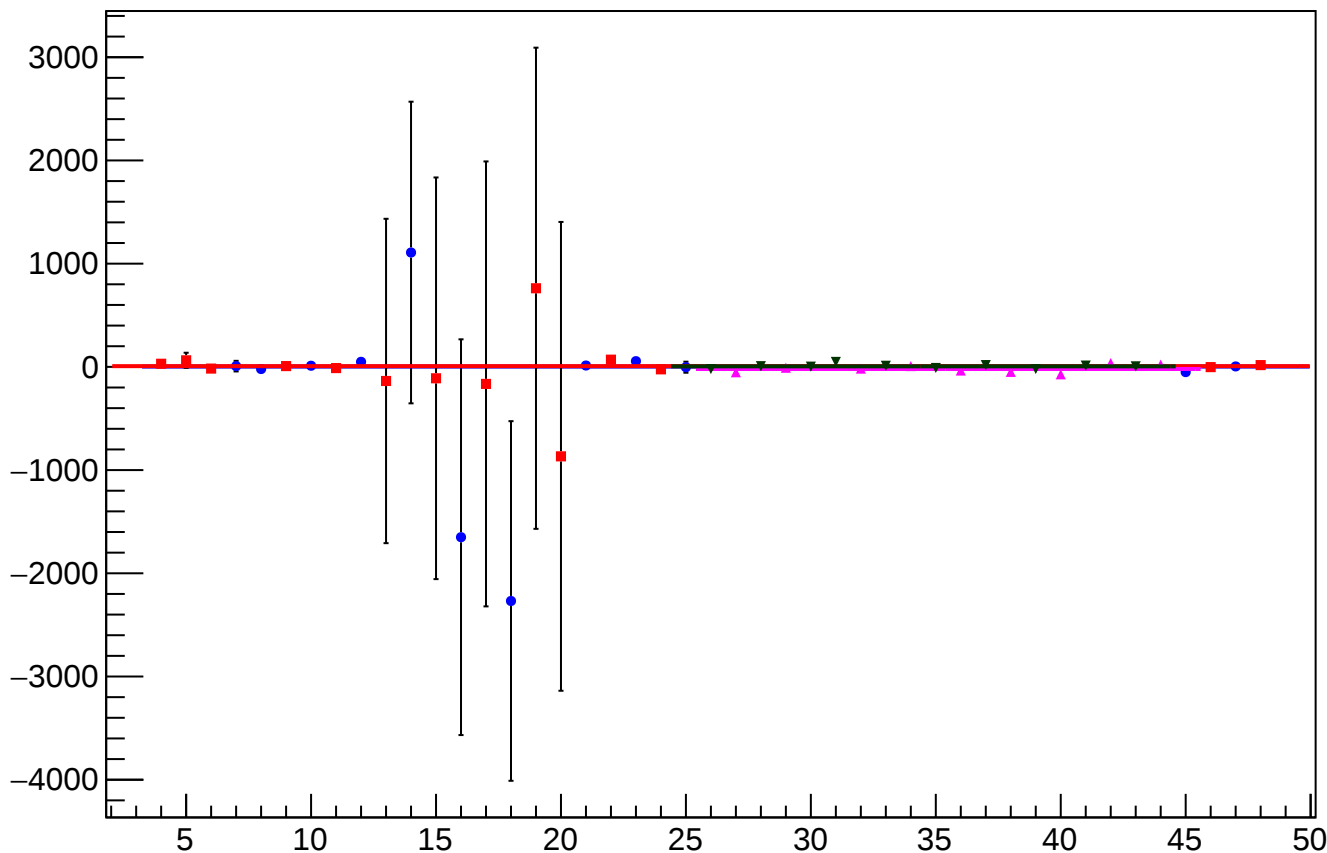
Right Out: 136.551+/-0.044 χ^2/NDF : 5112145.4/13

Left In: 119.590+/-0.037 χ^2/NDF :380691.2/8

140.488+/-0.031 χ^2/NDF : 4739212.8/21

126.443+/-0.028 χ^2/NDF : 5579562.7/22

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs slug



Right In: 2.944+/-11.531 χ^2/NDF : 9.7/11

Left Out: 5.137+/-9.787 χ^2/NDF : 3.6/9

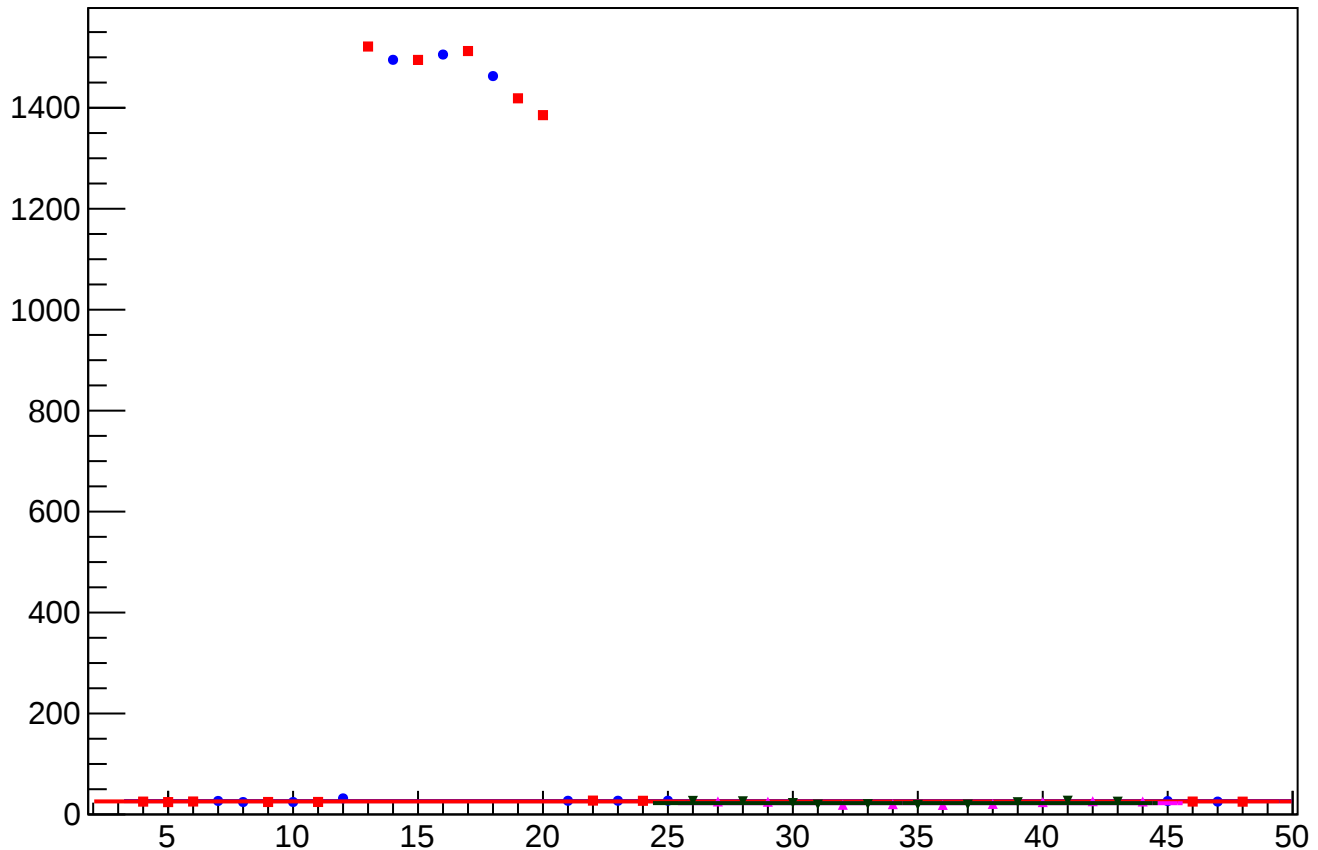
Right Out: 7.013+/-11.891 χ^2/NDF : 5.6/13

Left In: -20.467+/-9.485 χ^2/NDF : 9.8/8

4.219+/-7.462 χ^2/NDF : 13.3/21

-9.782+/-7.415 χ^2/NDF : 18.7/22

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs slug



Right In: 26.469+/-0.008 χ^2 /NDF: 4625705.9/11

Left Out: 22.469+/-0.007 χ^2 /NDF:192593.7/9

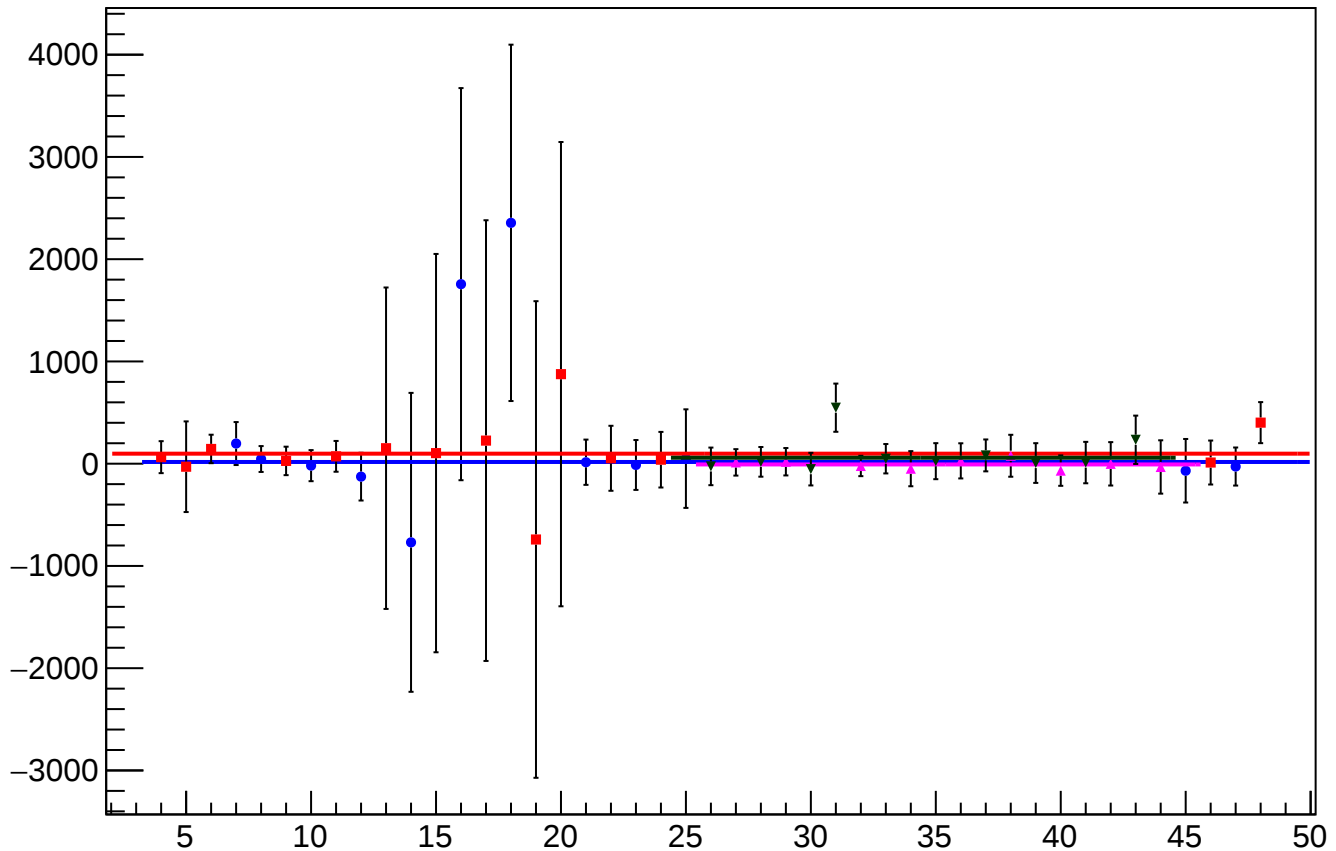
Right Out: 25.837+/-0.008 χ^2 /NDF: 5347582.3/13

Left In: 22.294+/-0.007 χ^2 /NDF:193997.0/8

24.144+/-0.005 χ^2 /NDF: 4958167.1/21

23.672+/-0.005 χ^2 /NDF: 5650041.1/22

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs slug



Right In: 16.803+/-66.142 χ^2/NDF : 4.3/11

Left Out: 58.282+/-55.472 χ^2/NDF : 5.8/9

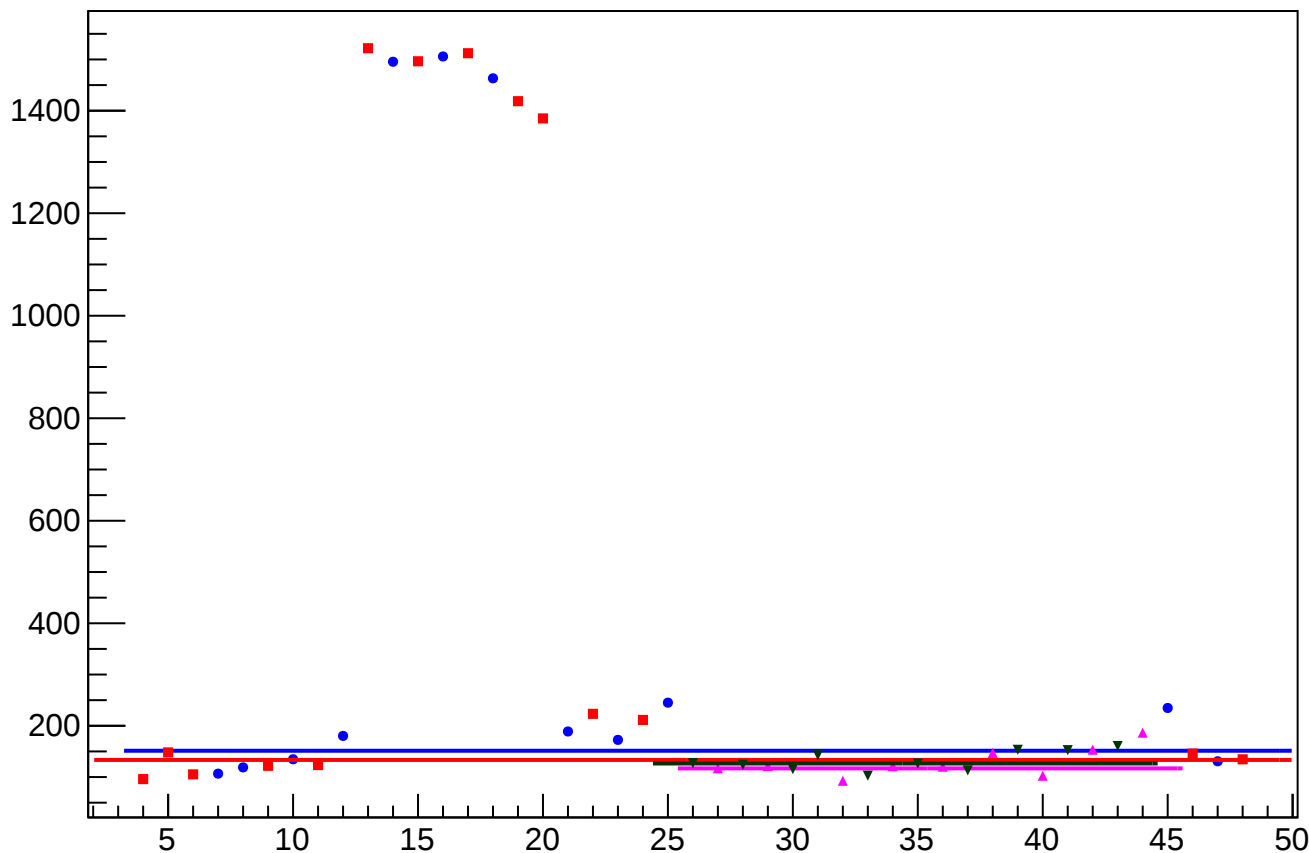
Right Out: 97.980+/-61.482 χ^2/NDF : 3.3/13

Left In: -7.345+/-50.616 χ^2/NDF : 0.5/8

41.154+/-42.503 χ^2/NDF : 10.3/21

35.203+/-39.077 χ^2/NDF : 5.6/22

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs slug



Right In: 151.333+/-0.047 χ^2/NDF : 4416830.9/11

Left Out: 126.462+/-0.039 χ^2/NDF : 201645.3/9

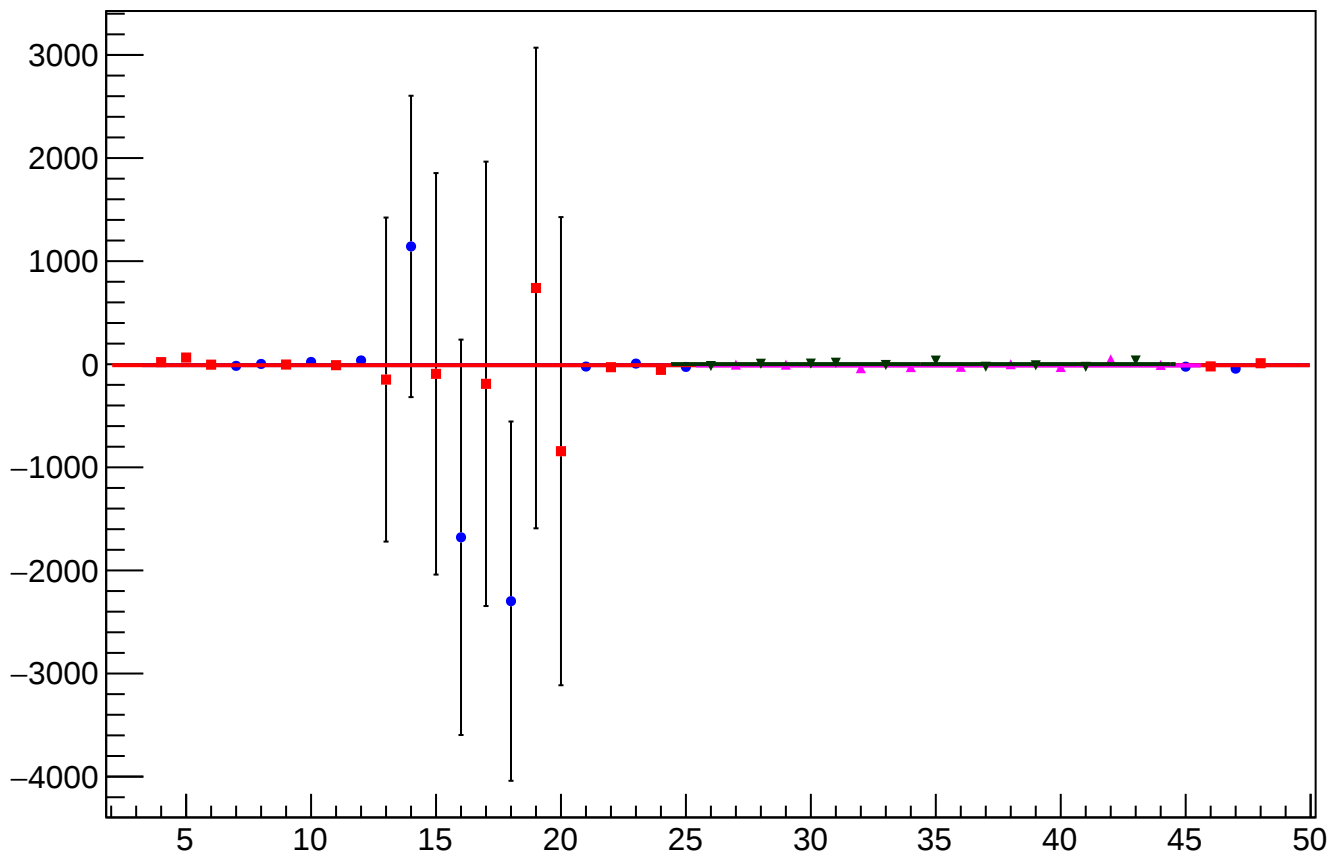
Right Out: 133.411+/-0.043 χ^2/NDF : 5127314.7/13

Left In: 116.908+/-0.036 χ^2/NDF : 386526.1/8

136.732+/-0.030 χ^2/NDF : 4784496.3/21

123.574+/-0.028 χ^2/NDF : 5599732.1/22

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs slug



Right In: -8.438+/-8.142 χ^2/NDF : 11.0/11

Left Out: 1.404+/-7.049 χ^2/NDF : 9.5/9

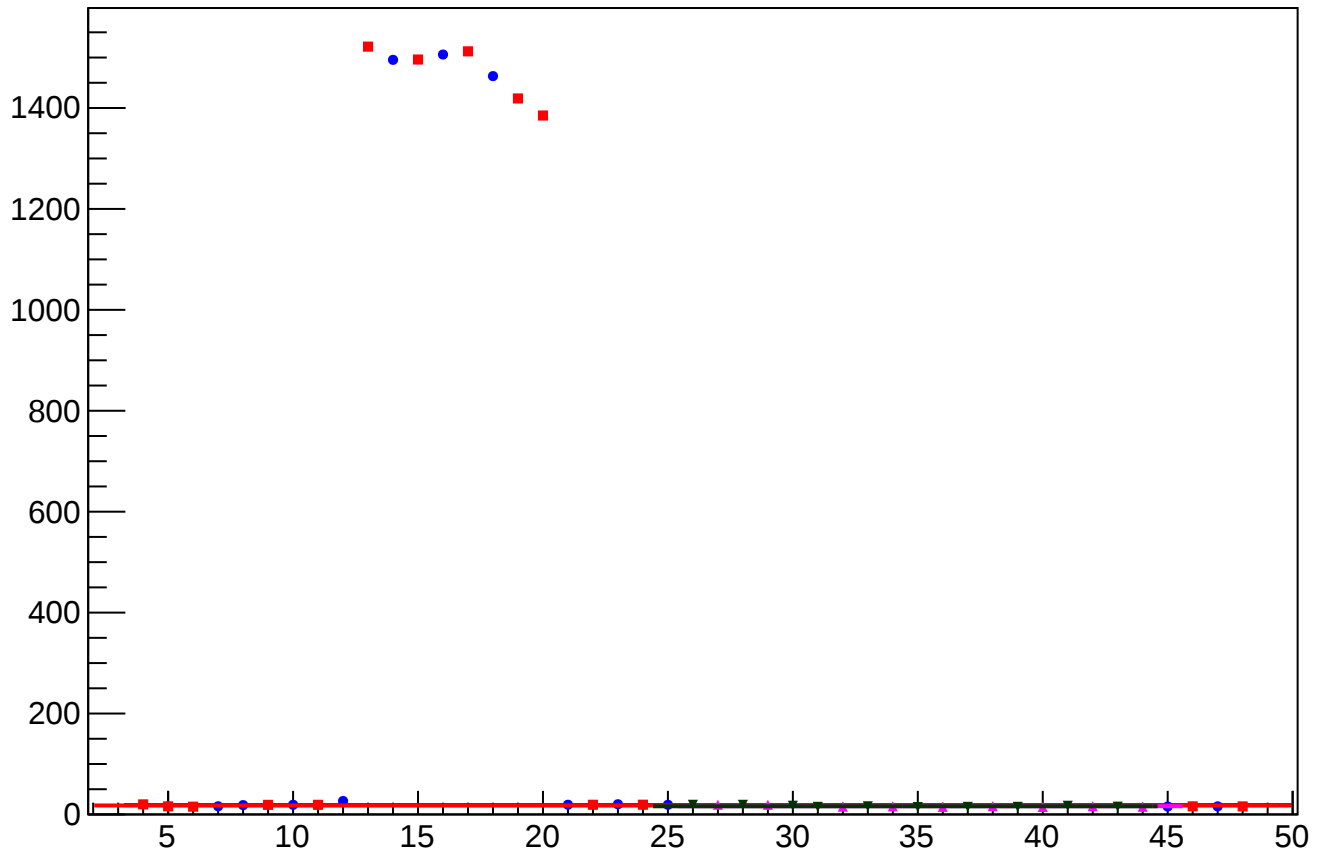
Right Out: -9.337+/-8.273 χ^2/NDF : 8.4/13

Left In: -12.005+/-6.949 χ^2/NDF : 11.5/8

-2.812+/-5.329 χ^2/NDF : 21.3/21

-10.901+/-5.321 χ^2/NDF : 19.9/22

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs slug



Right In: 18.461+/-0.006 χ^2/NDF : 4805191.8/11

Left Out: 16.220+/-0.005 χ^2/NDF : 97219.6/9

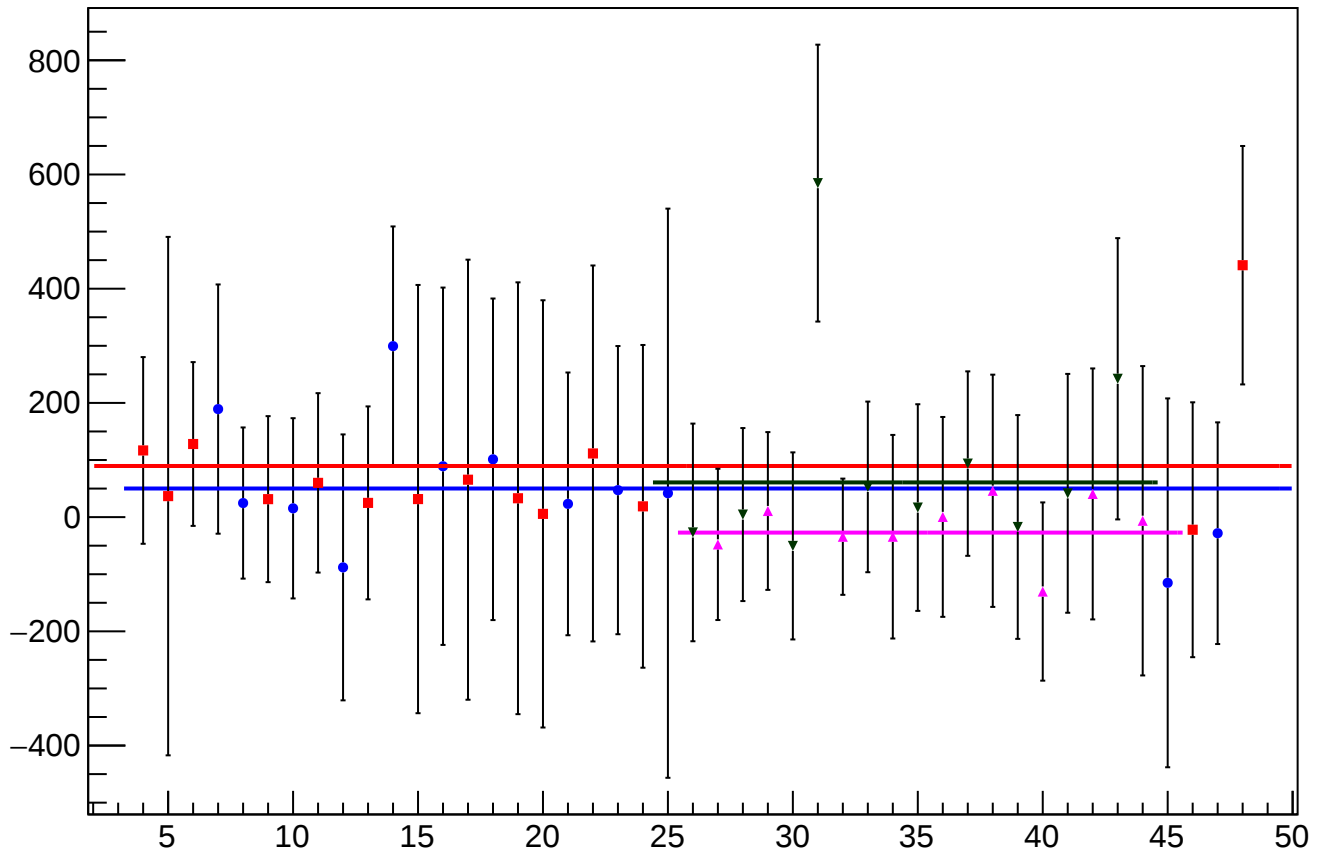
Right Out: 17.819+/-0.006 χ^2/NDF : 5481641.0/13

Left In: 16.381+/-0.005 χ^2/NDF : 104335.4/8

17.180+/-0.004 χ^2/NDF : 4988987.9/21

16.976+/-0.004 χ^2/NDF : 5621398.0/22

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs slug



Right In: 50.118+/-62.373 χ^2/NDF : 2.7/11

Left Out: 60.773+/-57.310 χ^2/NDF : 6.3/9

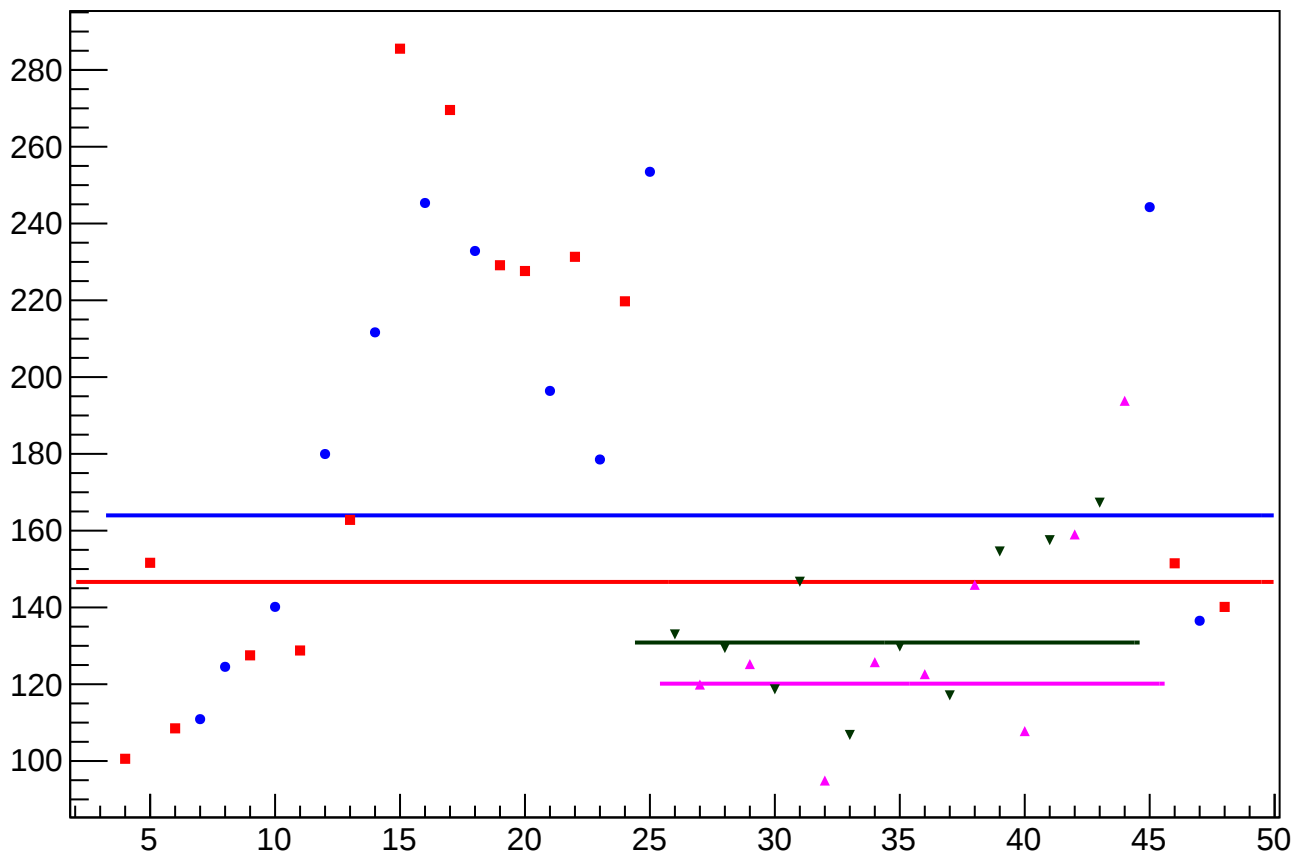
Right Out: 89.543+/-57.113 χ^2/NDF : 3.7/13

Left In: -27.106+/-52.008 χ^2/NDF : 0.8/8

55.896+/-42.201 χ^2/NDF : 9.1/21

25.773+/-38.454 χ^2/NDF : 6.8/22

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs slug



Right In: 163.978+/-0.044 χ^2/NDF : 983928.5/11

Left Out: 130.861+/-0.041 χ^2/NDF :192101.4/9

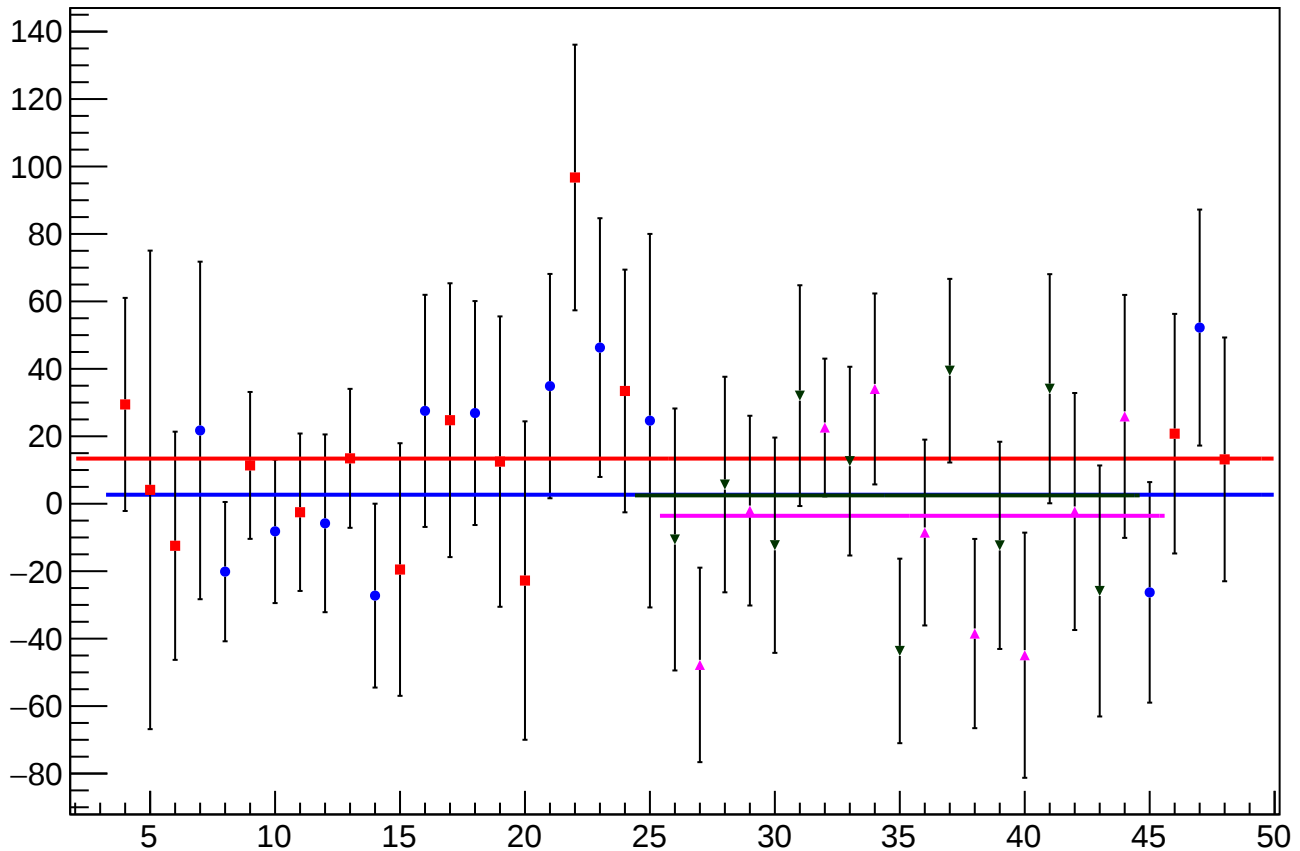
146.021+/-0.030 χ^2/NDF : 1481745.3/21

Right Out: 146.644+/-0.040 χ^2/NDF : 1315268.4/13

132.158+/-0.027 χ^2/NDF : 1933858.6/22

Left In: 120.147+/-0.037 χ^2/NDF :383255.1/8

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs slug



Right In: 2.674 ± 8.720 $\chi^2/\text{NDF}: 9.2/11$

2.590 ± 6.549 $\chi^2/\text{NDF}: 16.8/21$

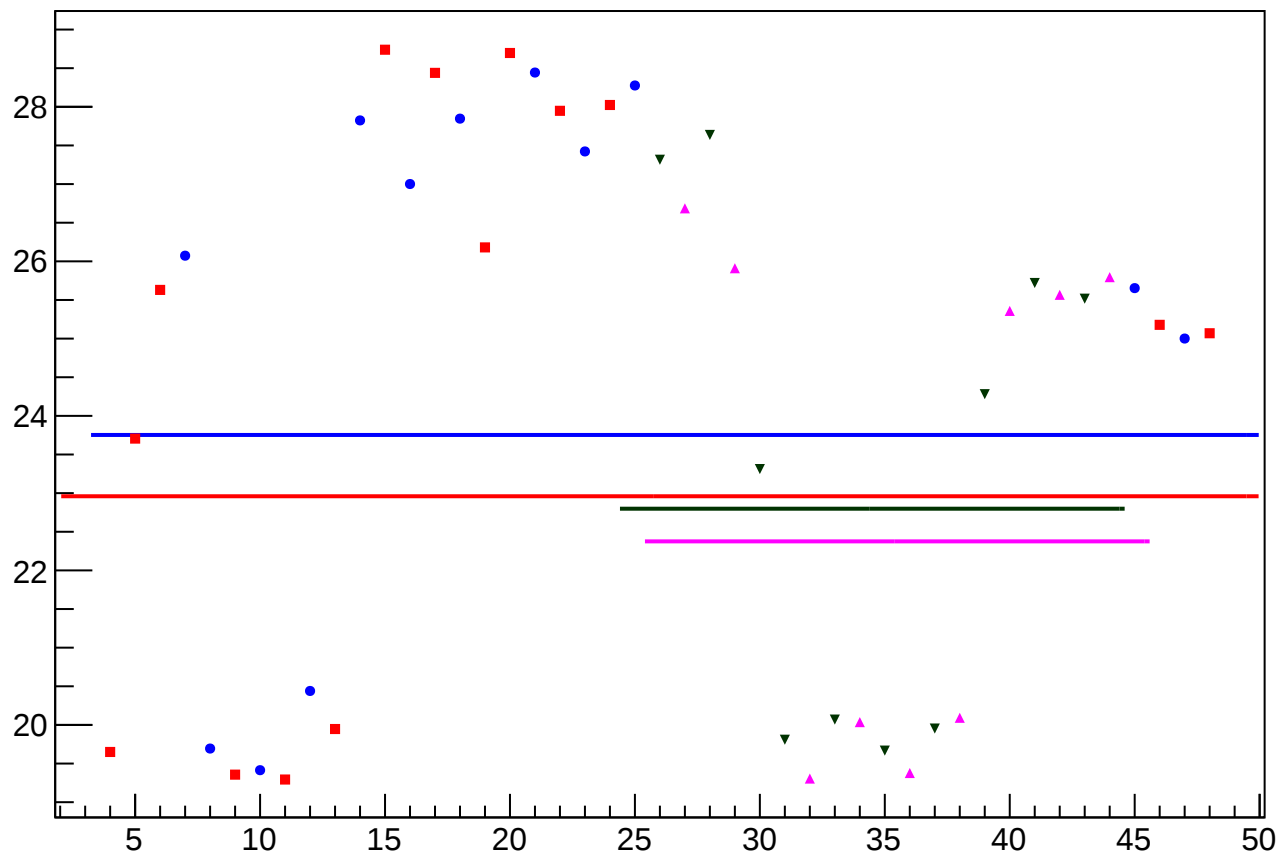
Left Out: 2.482 ± 9.918 $\chi^2/\text{NDF}: 7.7/9$

Right Out: 13.389 ± 8.557 $\chi^2/\text{NDF}: 7.6/13$

5.808 ± 6.364 $\chi^2/\text{NDF}: 18.7/22$

Left In: -3.573 ± 9.519 $\chi^2/\text{NDF}: 9.3/8$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs slug



Right In: 23.753+/-0.006 χ^2 /NDF: 369837.7/11

Left Out: 22.798+/-0.007 χ^2 /NDF:187251.4/9

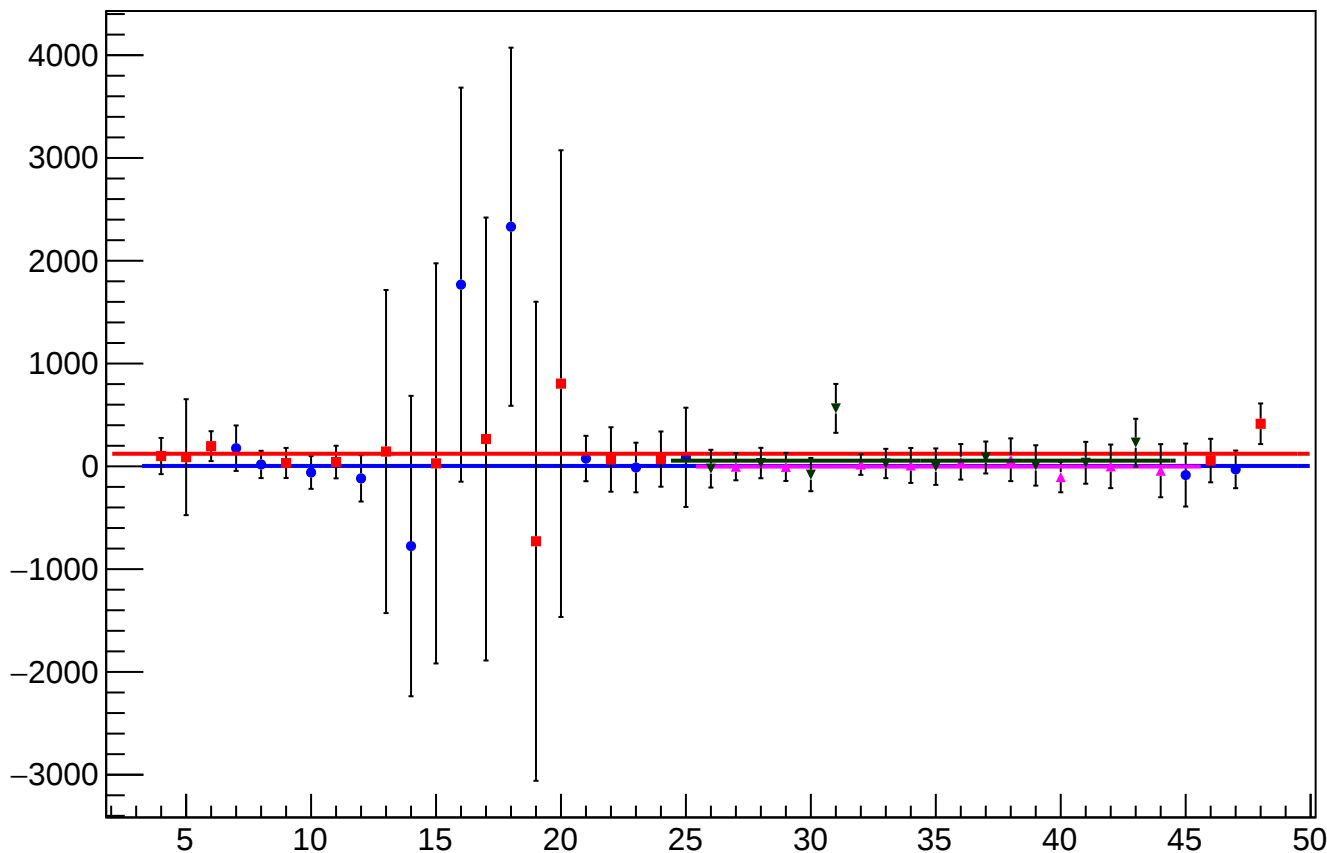
Right Out: 22.960+/-0.006 χ^2 /NDF: 392580.1/13

Left In: 22.376+/-0.007 χ^2 /NDF:220033.6/8

23.337+/-0.005 χ^2 /NDF: 567537.8/21

22.699+/-0.004 χ^2 /NDF: 616776.6/22

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs slug



Right In: 3.848 ± 67.442 $\chi^2/\text{NDF}: 4.2/11$

Left Out: 55.403 ± 55.677 $\chi^2/\text{NDF}: 6.3/9$

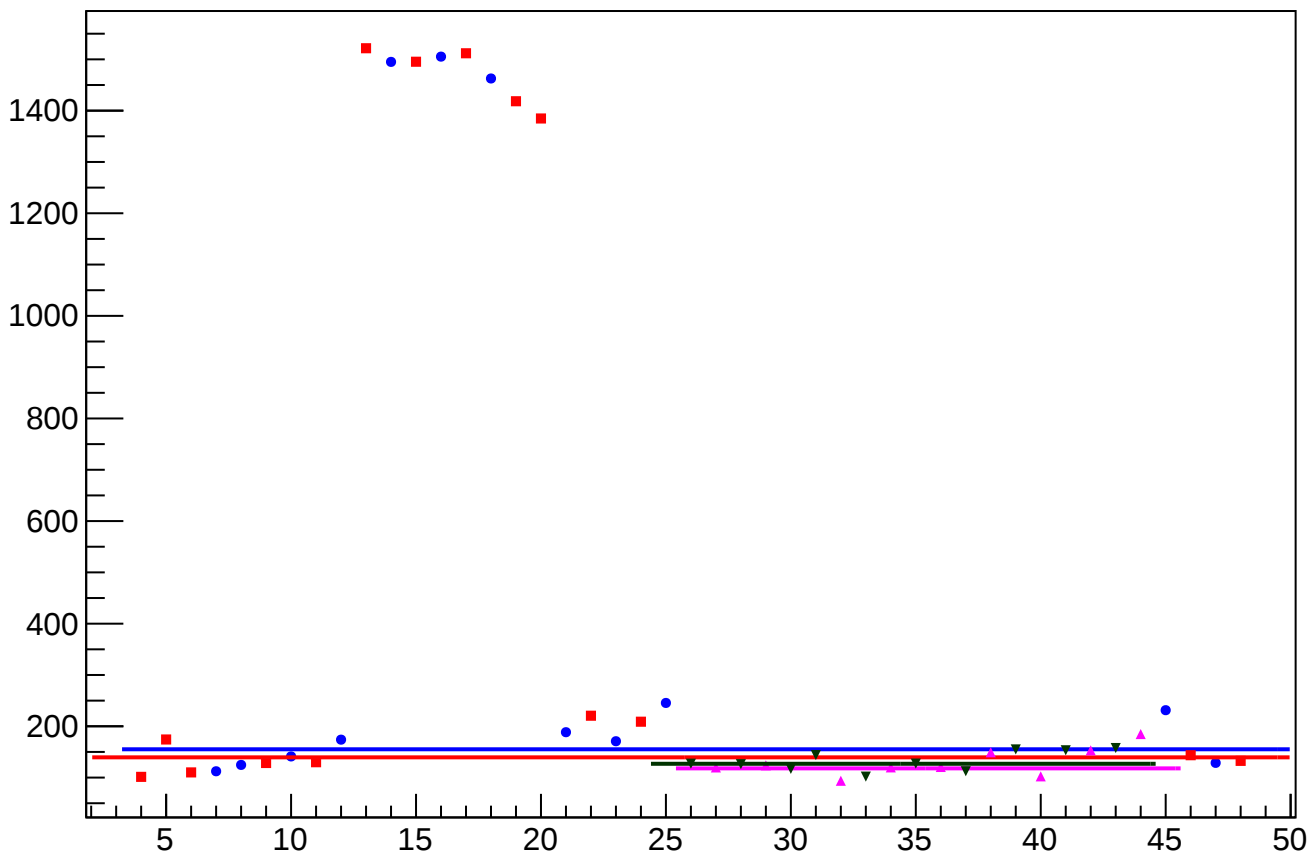
Right Out: 122.392 ± 64.261 $\chi^2/\text{NDF}: 3.5/13$

Left In: -2.215 ± 51.031 $\chi^2/\text{NDF}: 0.7/8$

34.507 ± 42.936 $\chi^2/\text{NDF}: 10.9/21$

45.976 ± 39.963 $\chi^2/\text{NDF}: 6.5/22$

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs slug



Right In: 155.169+/-0.048 χ^2/NDF : 4300178.5/11

Left Out: 126.898+/-0.039 χ^2/NDF : 206102.9/9

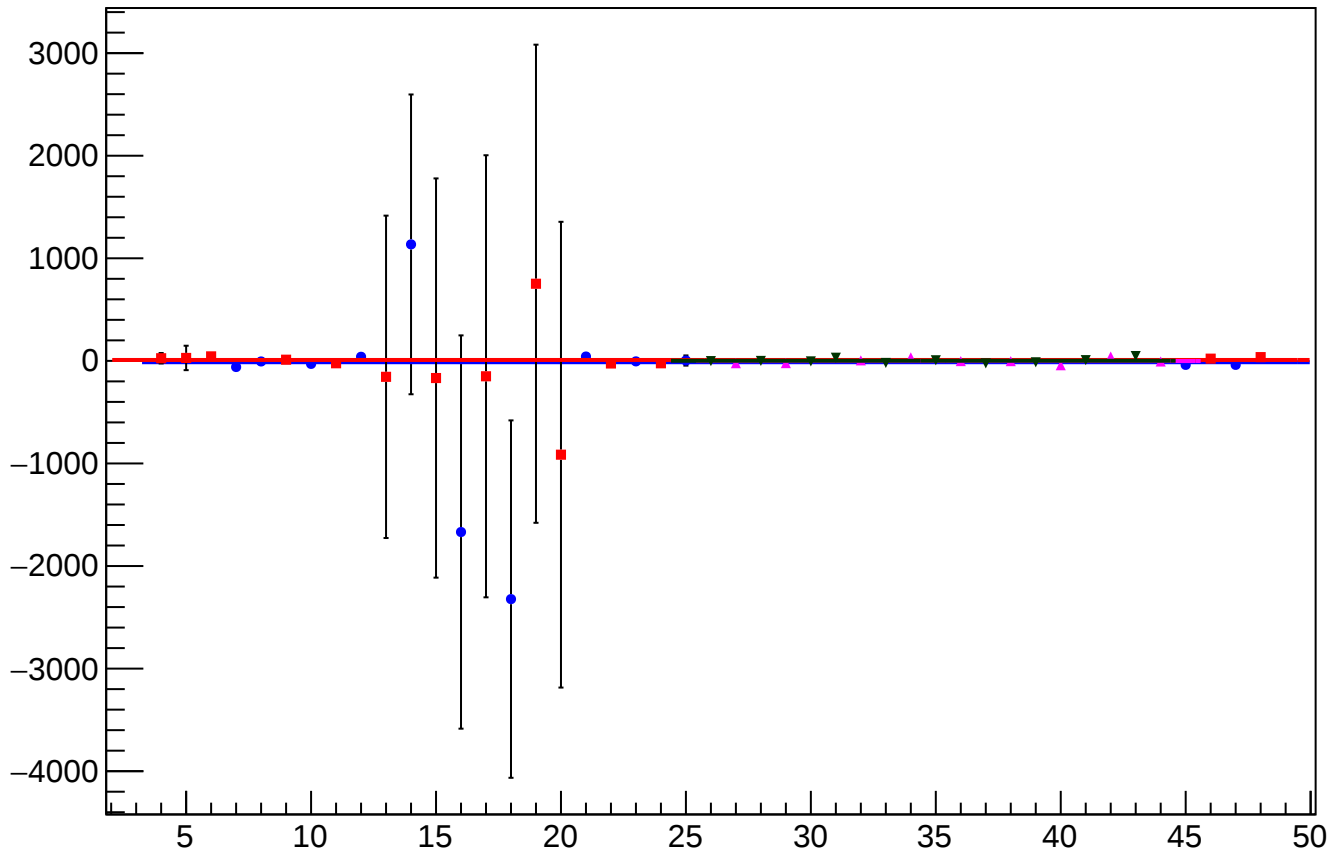
138.357+/-0.030 χ^2/NDF : 4715275.5/21

Right Out: 139.443+/-0.045 χ^2/NDF : 5004999.6/13

126.258+/-0.028 χ^2/NDF : 5519268.8/22

Left In: 117.943+/-0.036 χ^2/NDF : 376971.8/8

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs slug



Right In: -13.048 $\pm$ 10.589 χ^2 /NDF: 11.5/11

Left Out: 1.170 $\pm$ 9.255 χ^2 /NDF: 5.3/9

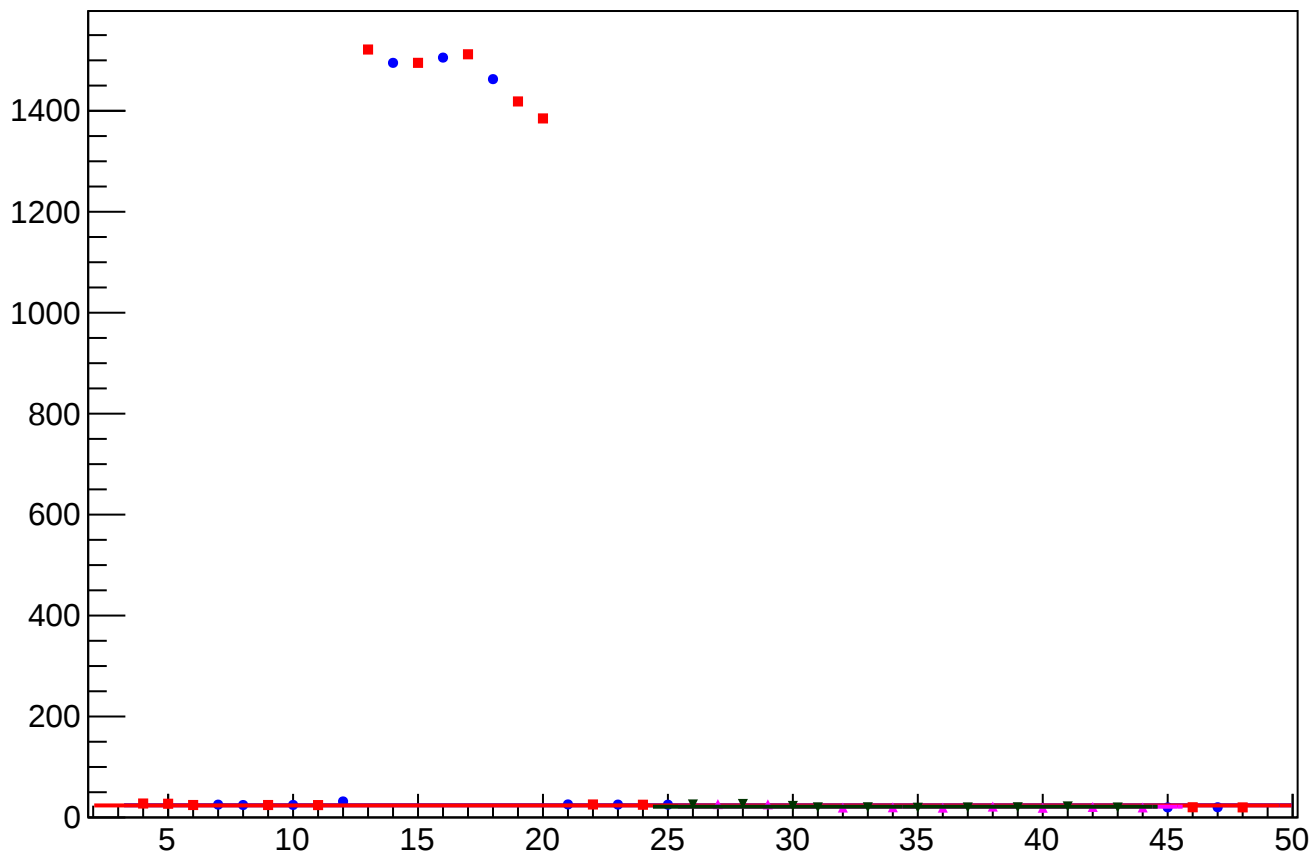
Right Out: 8.786 $\pm$ 11.196 χ^2 /NDF: 5.8/13

Left In: -1.613 $\pm$ 9.046 χ^2 /NDF: 7.3/8

-4.988 $\pm$ 6.969 χ^2 /NDF: 17.8/21

2.494 $\pm$ 7.036 χ^2 /NDF: 13.6/22

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs slug



Right In: 24.146+/-0.007 χ^2/NDF : 4756144.6/11

Left Out: 21.296+/-0.007 χ^2/NDF :129006.6/9

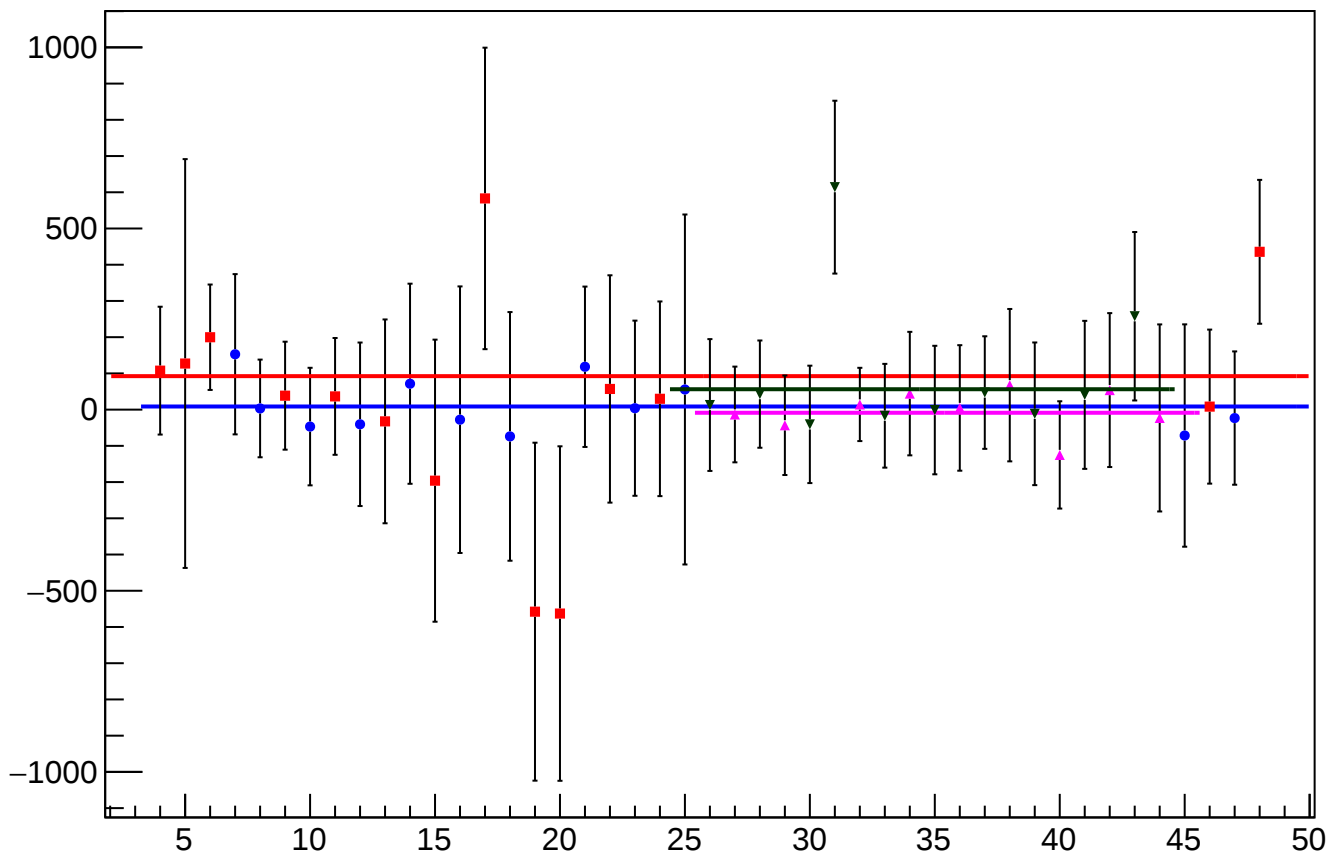
Right Out: 23.807+/-0.008 χ^2/NDF : 5442933.2/13

Left In: 21.307+/-0.006 χ^2/NDF :159863.8/8

22.530+/-0.005 χ^2/NDF : 4967311.9/21

22.294+/-0.005 χ^2/NDF : 5663151.7/22

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs slug



Right In: 8.651+/-64.014 χ^2/NDF : 1.1/11

Left Out: 56.309+/-55.753 χ^2/NDF : 7.1/9

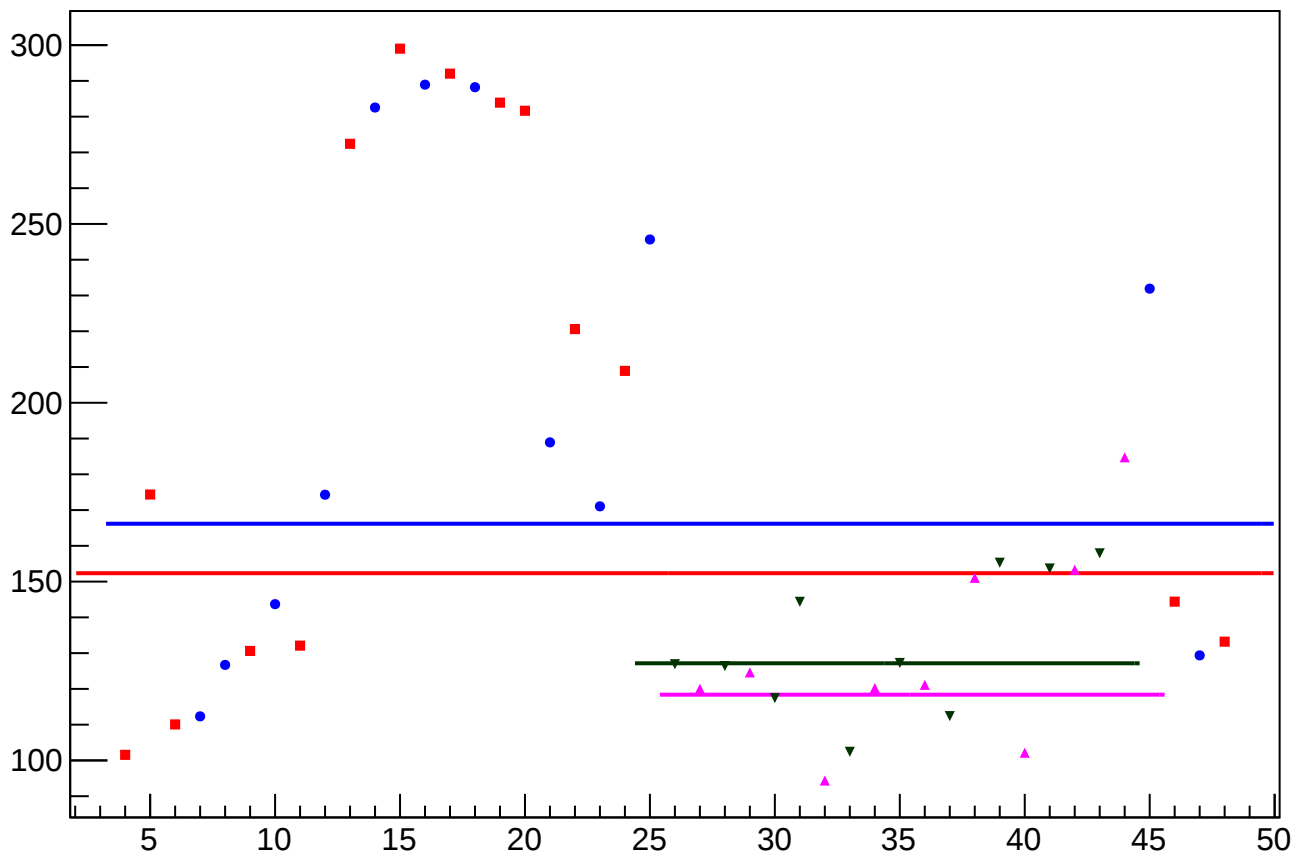
35.752+/-42.043 χ^2/NDF : 8.5/21

Right Out: 92.425+/-60.657 χ^2/NDF : 10.1/13

33.417+/-39.133 χ^2/NDF : 12.8/22

Left In: -8.655+/-51.217 χ^2/NDF : 1.1/8

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs slug



Right In: 166.181+/-0.045 χ^2/NDF : 1409538.5/11

Left Out: 127.165+/-0.039 χ^2/NDF : 204883.4/9

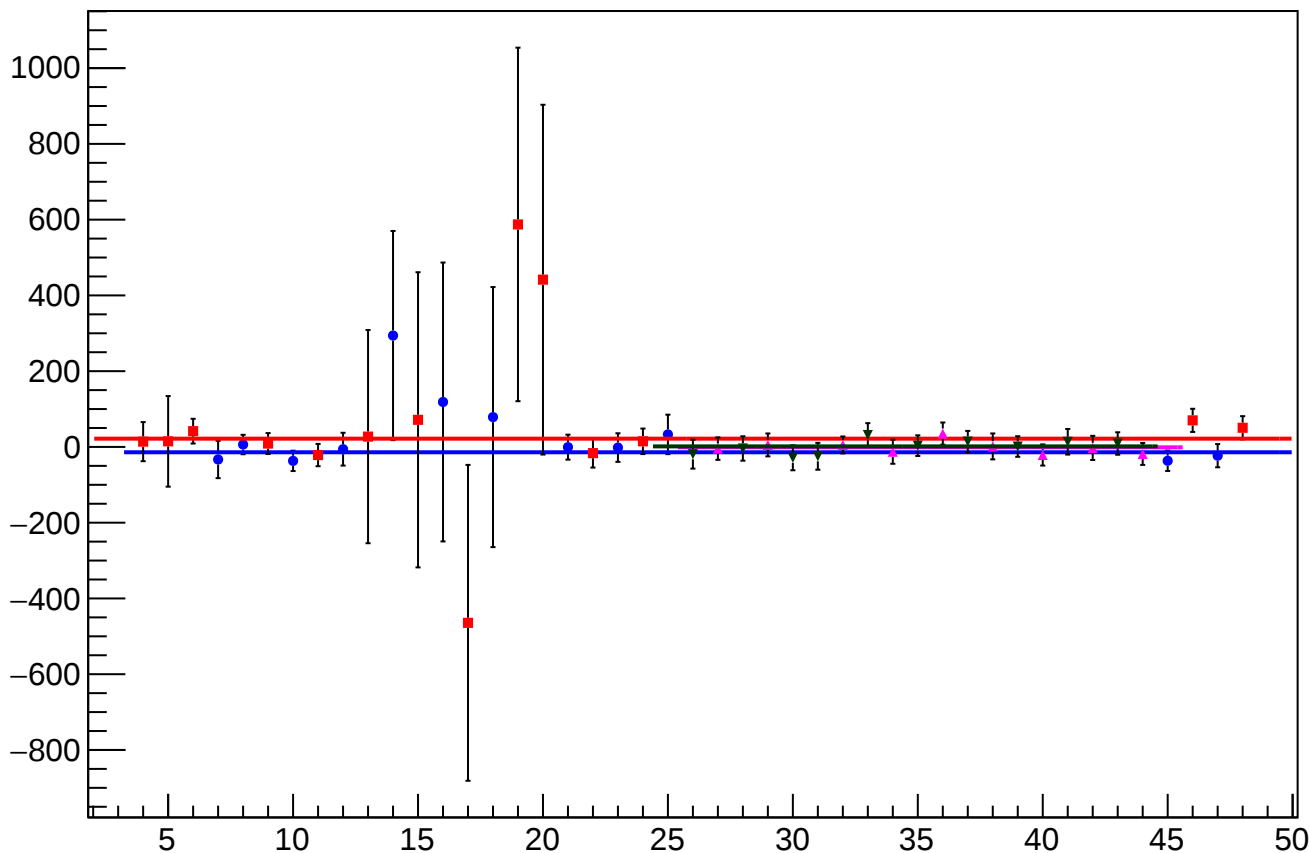
143.995+/-0.030 χ^2/NDF : 2036910.4/21

Right Out: 152.350+/-0.043 χ^2/NDF : 1805824.0/13

132.523+/-0.028 χ^2/NDF : 2548287.0/22

Left In: 118.387+/-0.036 χ^2/NDF : 376424.8/8

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs slug



Right In: -14.126 ± 10.965 χ^2/NDF : 4.9/11

Left Out: 1.423 ± 9.824 χ^2/NDF : 3.0/9

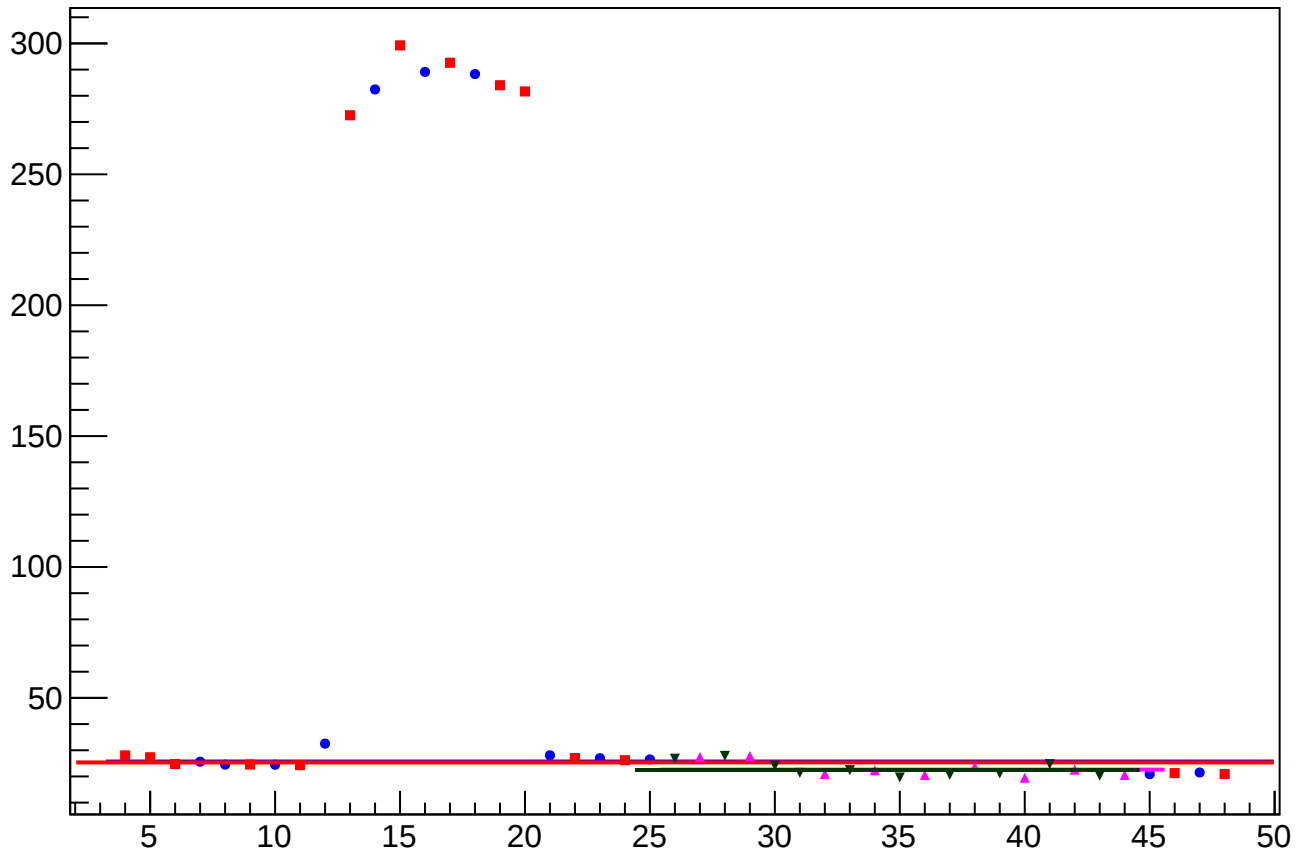
Right Out: 21.840 ± 11.483 χ^2/NDF : 10.9/13

Left In: -1.028 ± 9.666 χ^2/NDF : 2.7/8

-5.500 ± 7.317 χ^2/NDF : 9.0/21

8.456 ± 7.395 χ^2/NDF : 15.9/22

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs slug



Right In: 25.693+/-0.008 χ^2/NDF : 4096951.1/11

Left Out: 22.469+/-0.007 χ^2/NDF : 142902.0/9

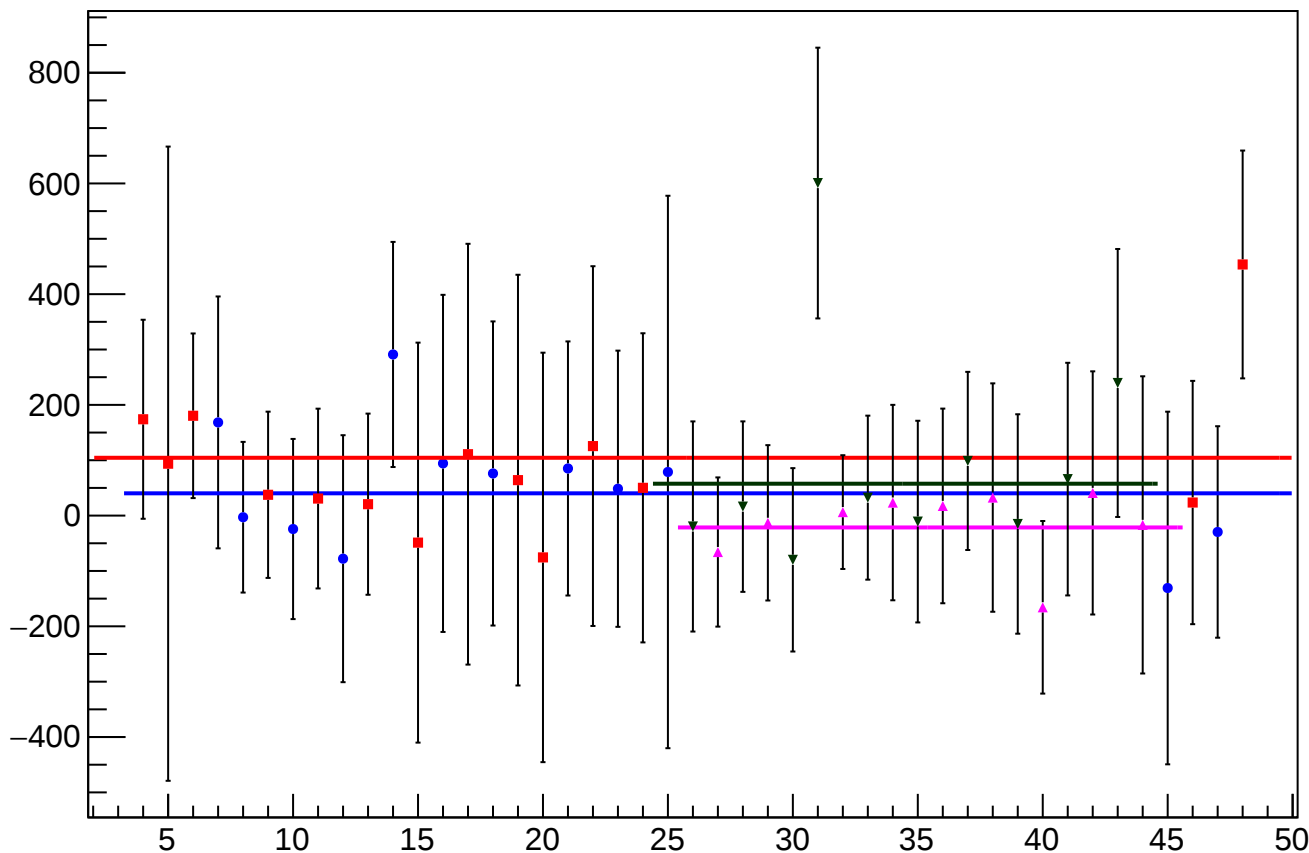
23.904+/-0.005 χ^2/NDF : 4335756.5/21

Right Out: 25.356+/-0.008 χ^2/NDF : 4676821.5/13

23.743+/-0.005 χ^2/NDF : 4912366.0/22

Left In: 22.600+/-0.007 χ^2/NDF : 168139.0/8

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs slug



Right In: 40.243 $\pm$ 62.531 χ^2 /NDF: 2.9/11

Left Out: 57.595 $\pm$ 57.484 χ^2 /NDF: 6.8/9

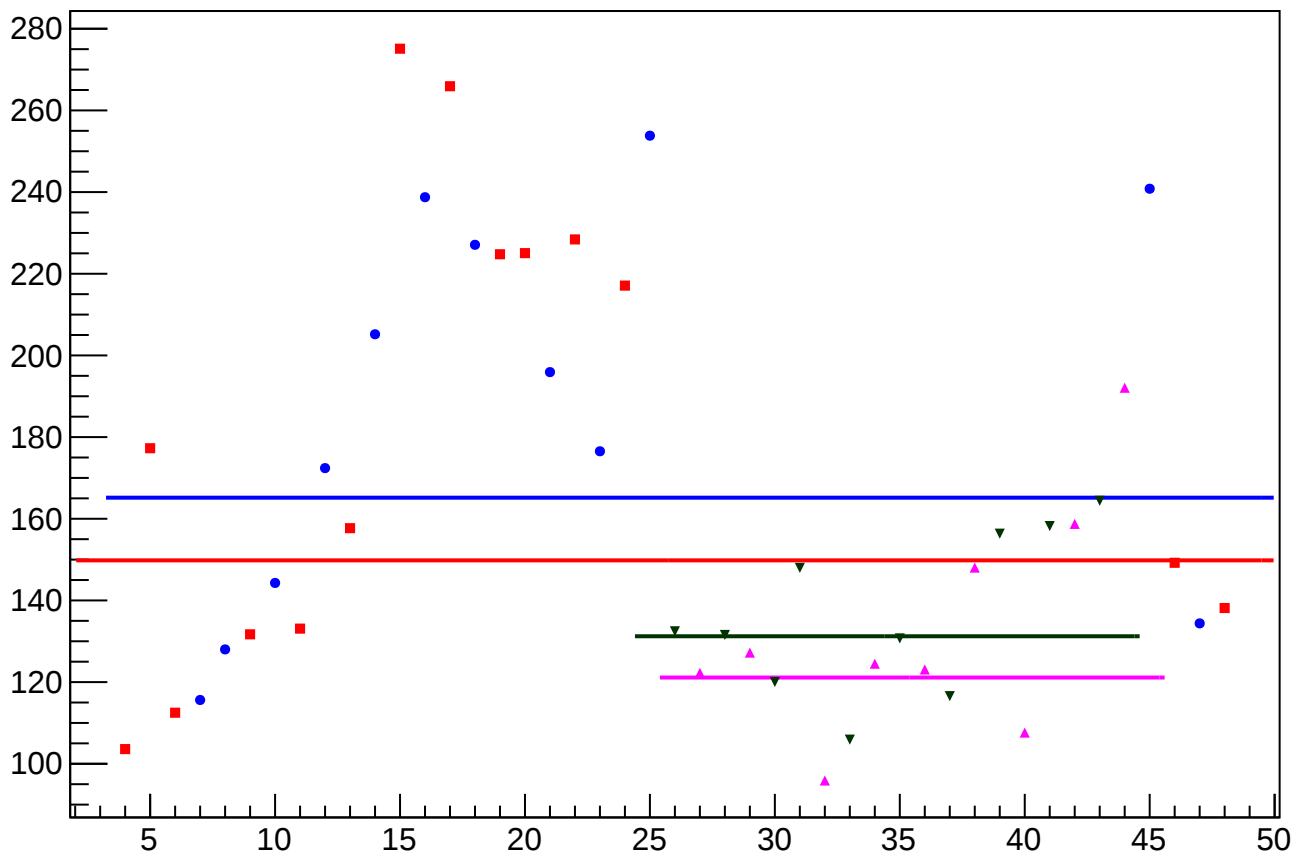
Right Out: 104.442 $\pm$ 58.256 χ^2 /NDF: 4.6/13

Left In: -21.418 $\pm$ 52.393 χ^2 /NDF: 1.3/8

49.647 $\pm$ 42.319 χ^2 /NDF: 9.7/21

34.862 $\pm$ 38.956 χ^2 /NDF: 8.4/22

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs slug



Right In: 165.165 ± 0.044 χ^2/NDF : 842887.1/11

Left Out: 131.227 ± 0.041 χ^2/NDF : 196358.6/9

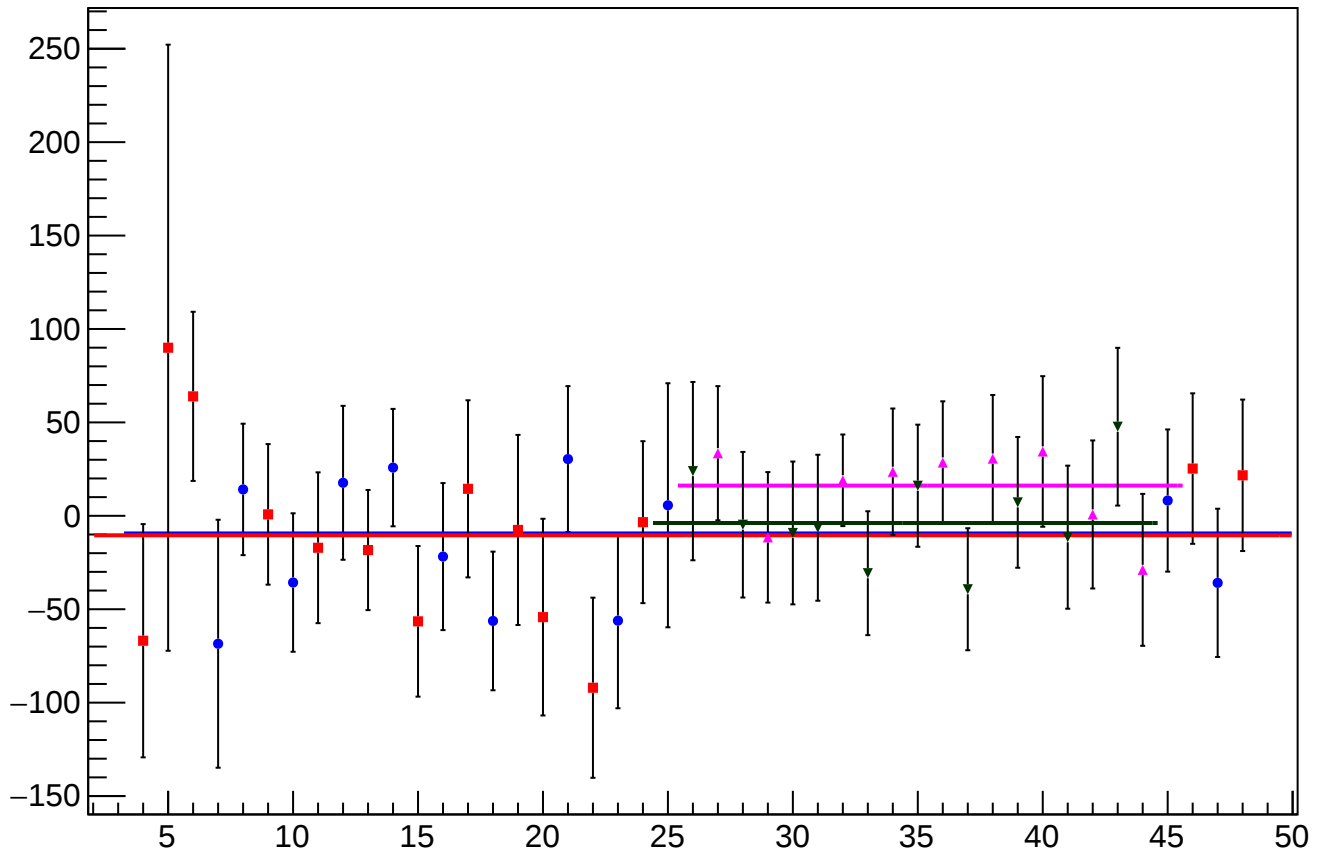
Right Out: 149.817 ± 0.041 χ^2/NDF : 1148968.6/13

Left In: 121.121 ± 0.037 χ^2/NDF : 372893.0/8

146.771 ± 0.030 χ^2/NDF : 1358559.7/21

133.953 ± 0.028 χ^2/NDF : 1790135.9/22

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs slug



Right In: -9.441 ± 11.618 χ^2/NDF : 7.9/11

Left Out: -3.842 ± 11.719 χ^2/NDF : 4.2/9

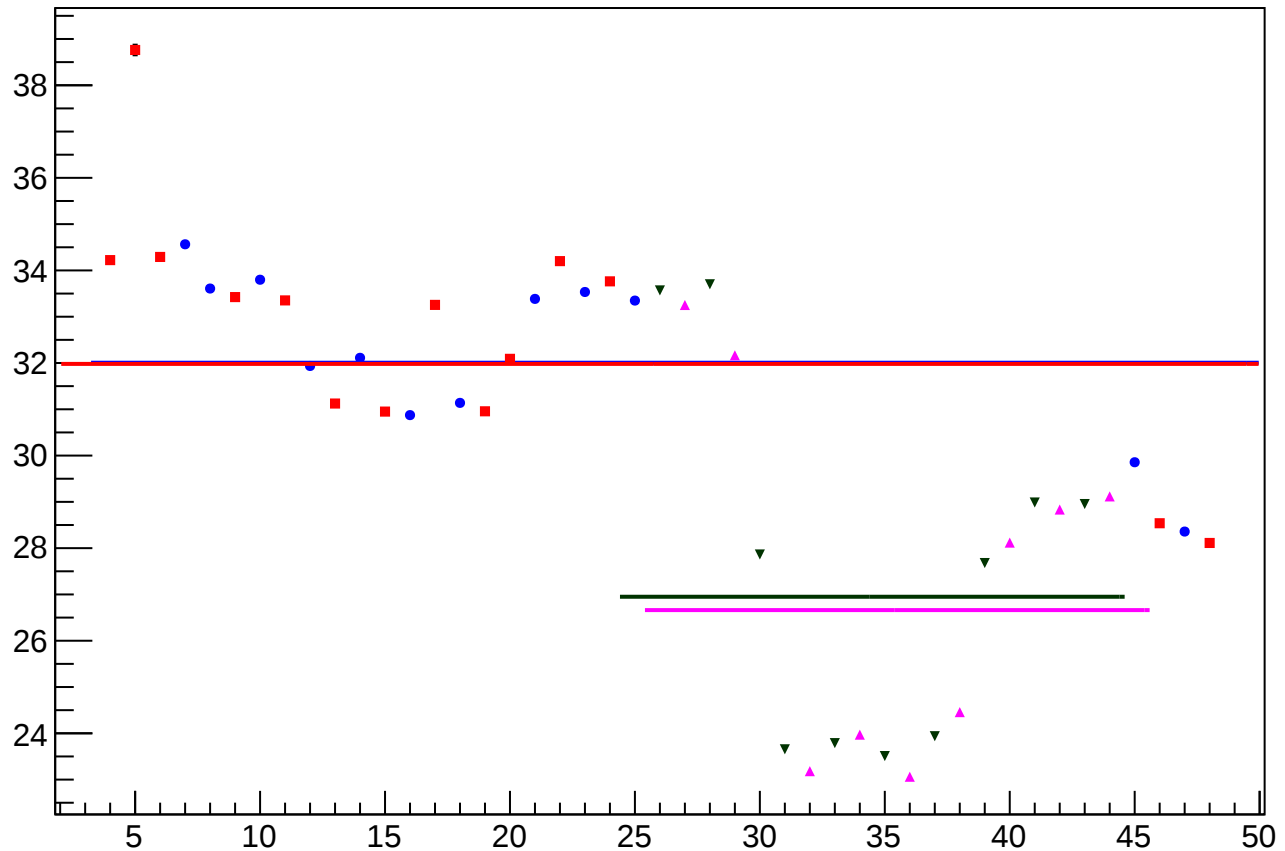
-6.666 ± 8.251 χ^2/NDF : 12.2/21

Right Out: -10.423 ± 11.896 χ^2/NDF : 10.7/13

3.516 ± 8.206 χ^2/NDF : 16.1/22

Left In: 16.171 ± 11.335 χ^2/NDF : 2.8/8

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs slug



Right In: 32.006 $\pm$ 0.008 χ^2 /NDF: 43329.9/11

Left Out: 26.950 $\pm$ 0.008 χ^2 /NDF:182300.2/9

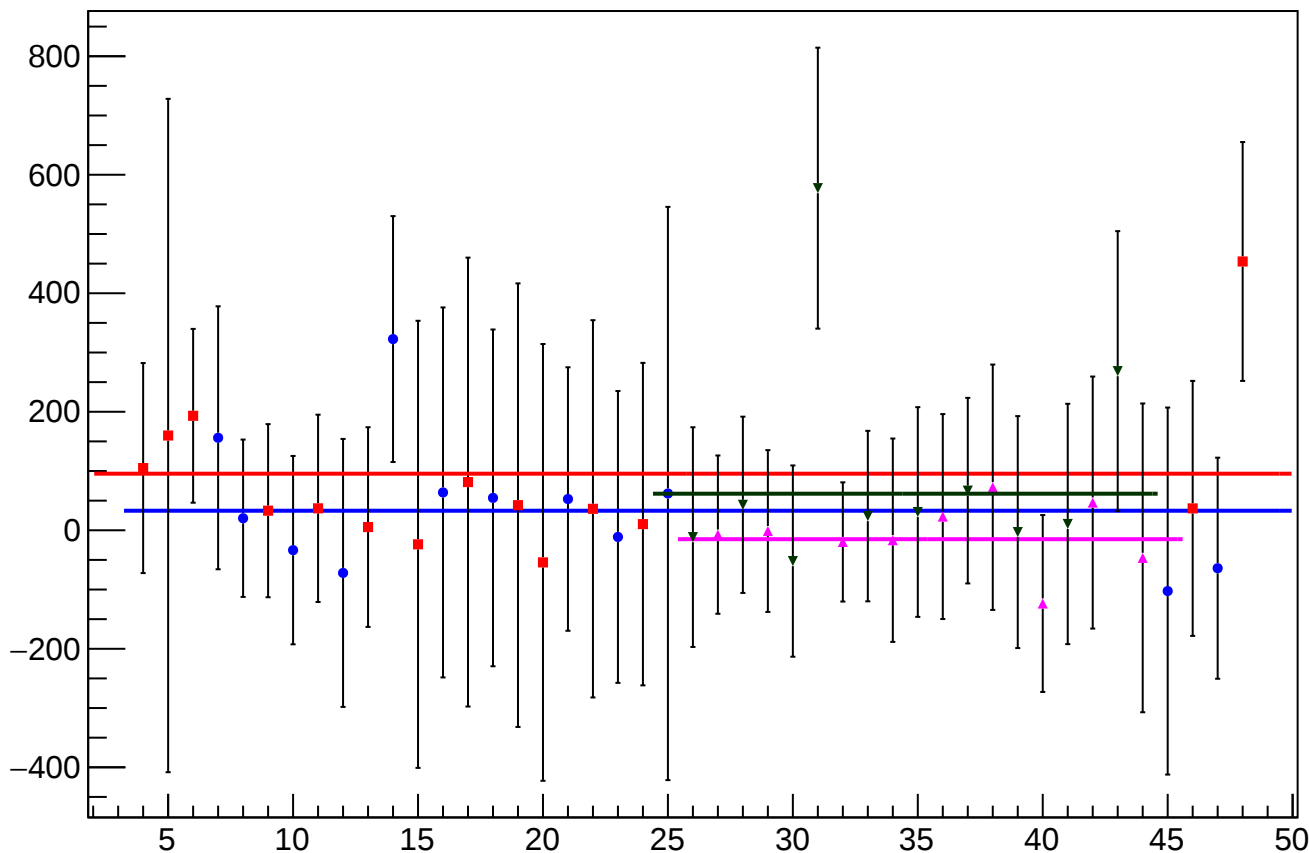
Right Out: 31.981 $\pm$ 0.008 χ^2 /NDF: 61990.2/13

Left In: 26.662 $\pm$ 0.008 χ^2 /NDF:218434.4/8

29.500 $\pm$ 0.006 χ^2 /NDF: 413353.8/21

29.193 $\pm$ 0.006 χ^2 /NDF: 489970.5/22

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs slug



Right In: 32.995 $\pm$ 61.759 χ^2 /NDF: 3.2/11

Left Out: 61.733 $\pm$ 55.913 χ^2 /NDF:6.4/9

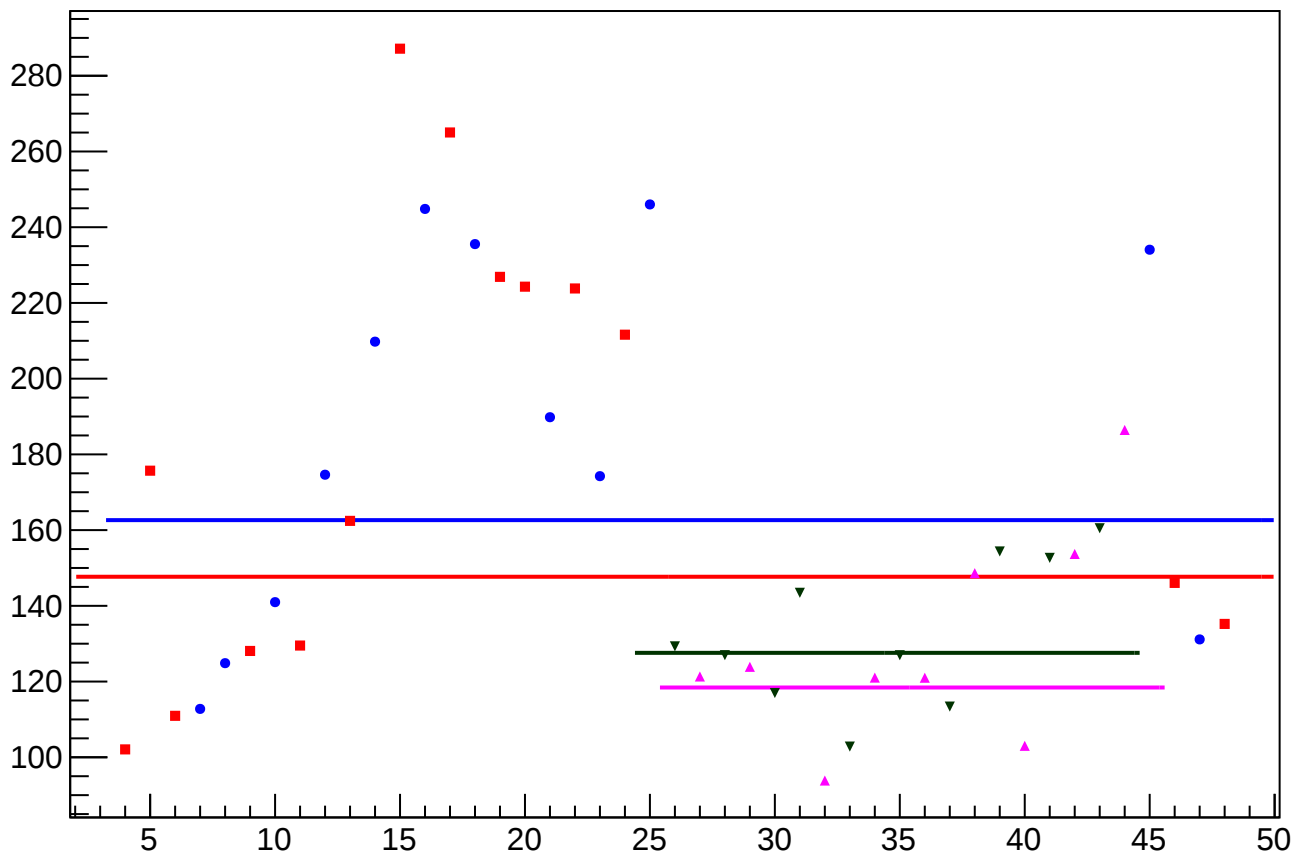
Right Out: 95.505 $\pm$ 57.576 χ^2 /NDF: 4.7/13

Left In: -15.022 $\pm$ 51.235 χ^2 /NDF:0.9/8

48.789 $\pm$ 41.450 χ^2 /NDF: 9.7/21

33.822 $\pm$ 38.275 χ^2 /NDF: 7.6/22

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs slug



Right In: 162.634+/-0.044 χ^2/NDF : 936231.0/11

Left Out: 127.584+/-0.040 χ^2/NDF : 200343.9/9

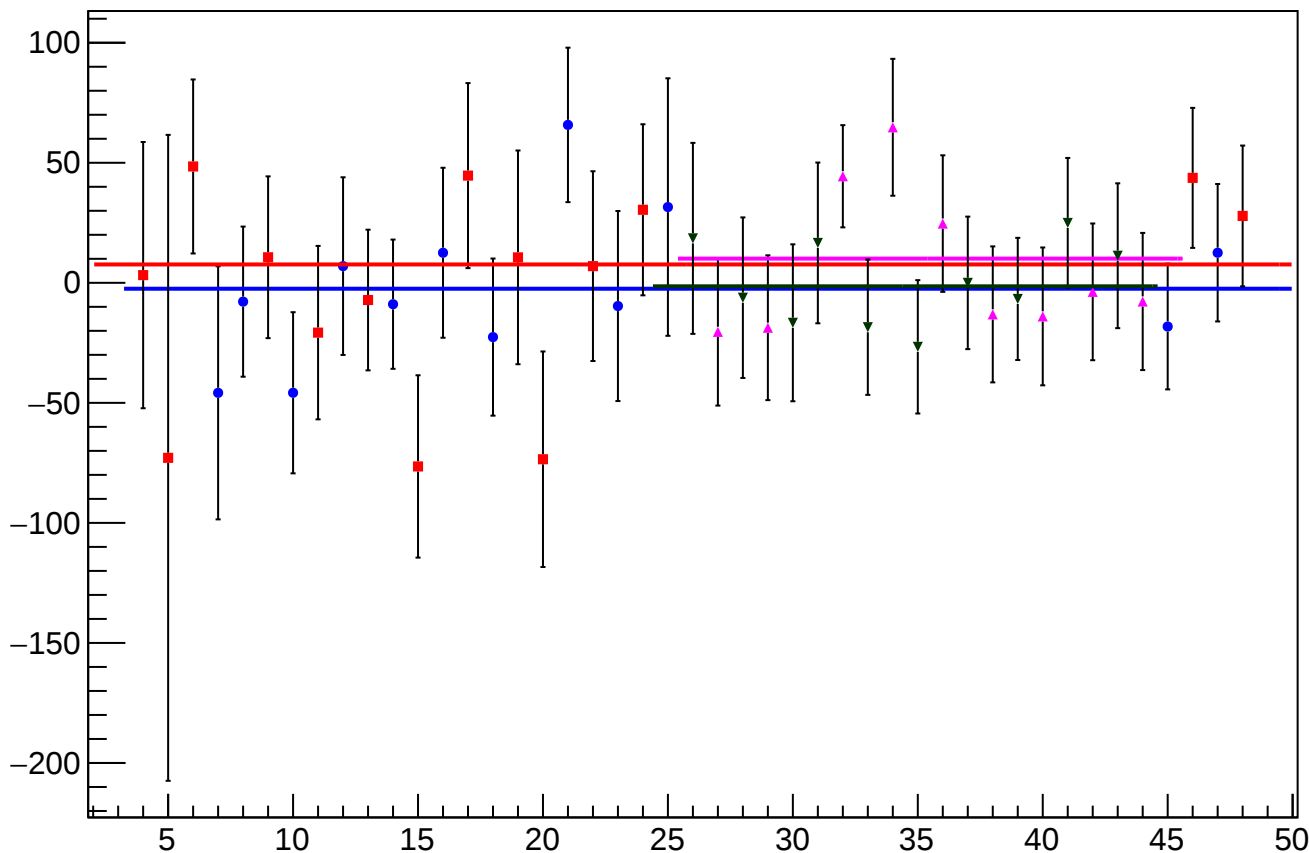
143.372+/-0.029 χ^2/NDF : 1490595.2/21

Right Out: 147.684+/-0.041 χ^2/NDF : 1214307.4/13

131.357+/-0.027 χ^2/NDF : 1882037.5/22

Left In: 118.429+/-0.036 χ^2/NDF : 379567.1/8

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs slug



Right In: -2.459+/-9.647 χ^2 /NDF: 8.6/11

Left Out: -1.457+/-9.435 χ^2 /NDF:3.1/9

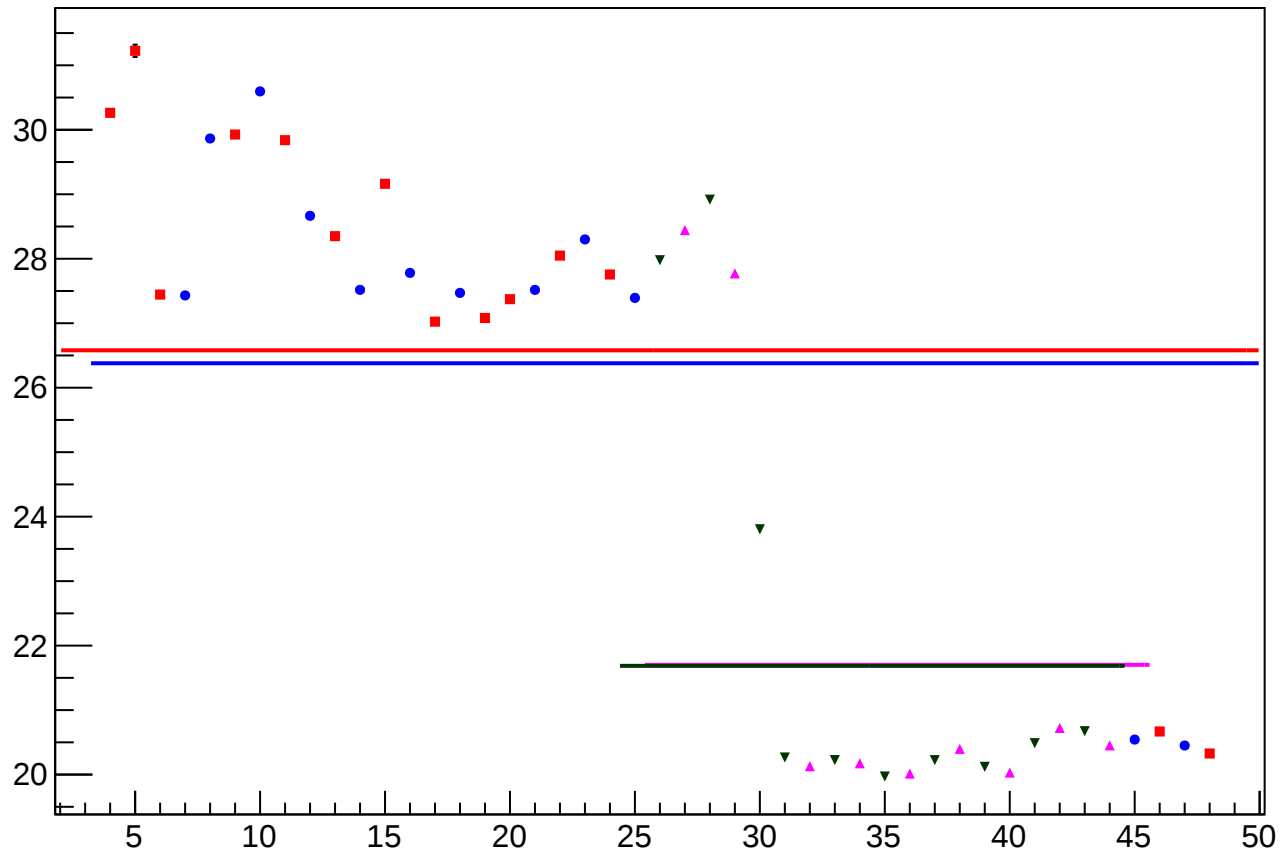
Right Out: 7.650+/-9.955 χ^2 /NDF: 14.0/13

Left In: 10.080+/-9.225 χ^2 /NDF:10.4/8

-1.947+/-6.746 χ^2 /NDF: 11.8/21

8.957+/-6.767 χ^2 /NDF: 24.5/22

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs slug



Right In: 26.379+/-0.007 χ^2/NDF : 266820.8/11

Left Out: 21.686+/-0.007 χ^2/NDF :187956.4/9

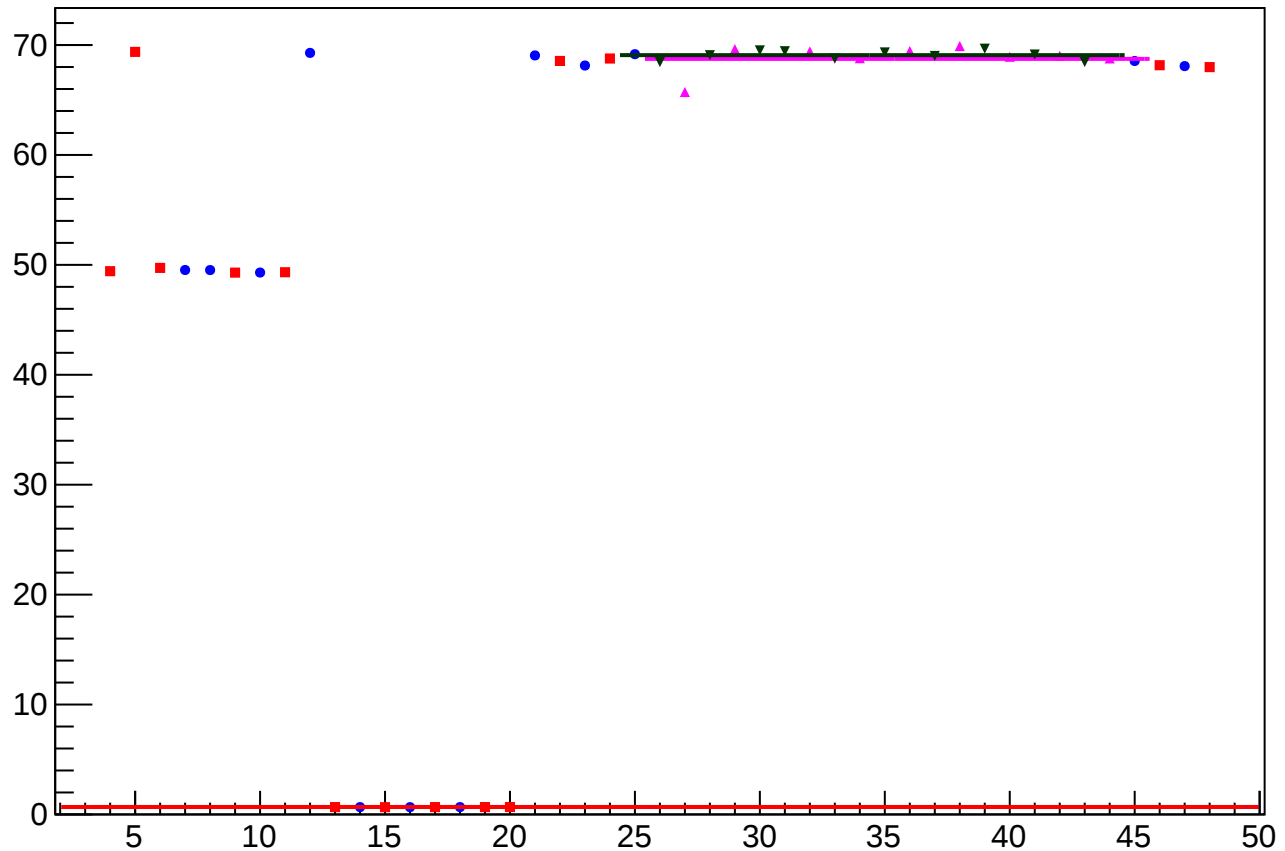
Right Out: 26.580+/-0.007 χ^2/NDF : 244156.7/13

Left In: 21.702+/-0.007 χ^2/NDF :218285.8/8

23.981+/-0.005 χ^2/NDF : 696652.2/21

23.955+/-0.005 χ^2/NDF : 720763.5/22

yield_bcm_an_ds_mean vs slug



Right In: 0.680 $\pm$ 0.000 χ^2 /NDF: 614659878873.7/11

Left Out: 69.081 $\pm$ 0.000 χ^2 /NDF: 24626539.5/9

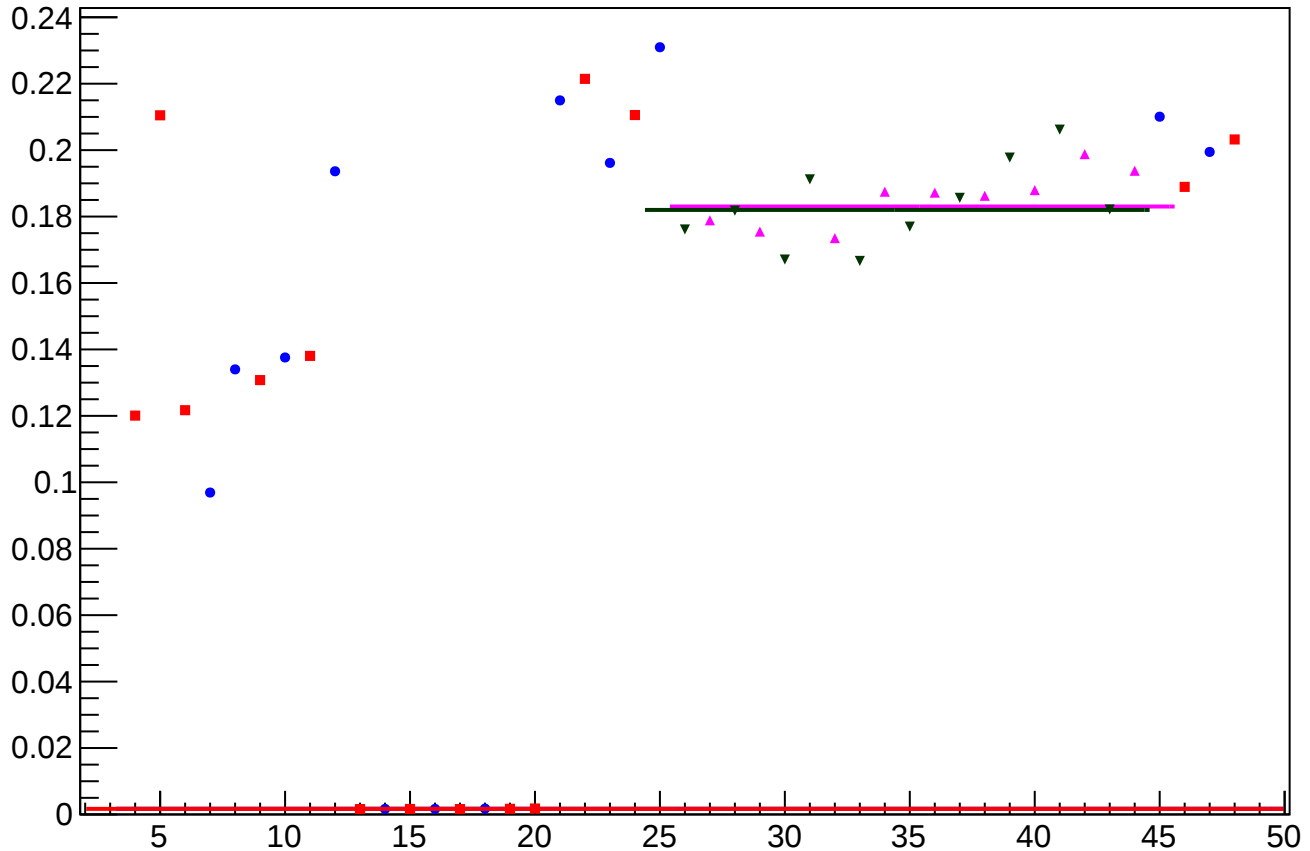
0.693 $\pm$ 0.000 χ^2 /NDF: 1343605004321.5/21

Right Out: 0.679 $\pm$ 0.000 χ^2 /NDF: 549138648072.4/13

0.690 $\pm$ 0.000 χ^2 /NDF: 1299314022940.1/22

Left In: 68.740 $\pm$ 0.000 χ^2 /NDF: 294550476.4/8

yield_bcm_an_ds_rms vs slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 9812976.6/11

Left Out: 0.182 $\pm$ 0.000 χ^2 /NDF:43515.3/9

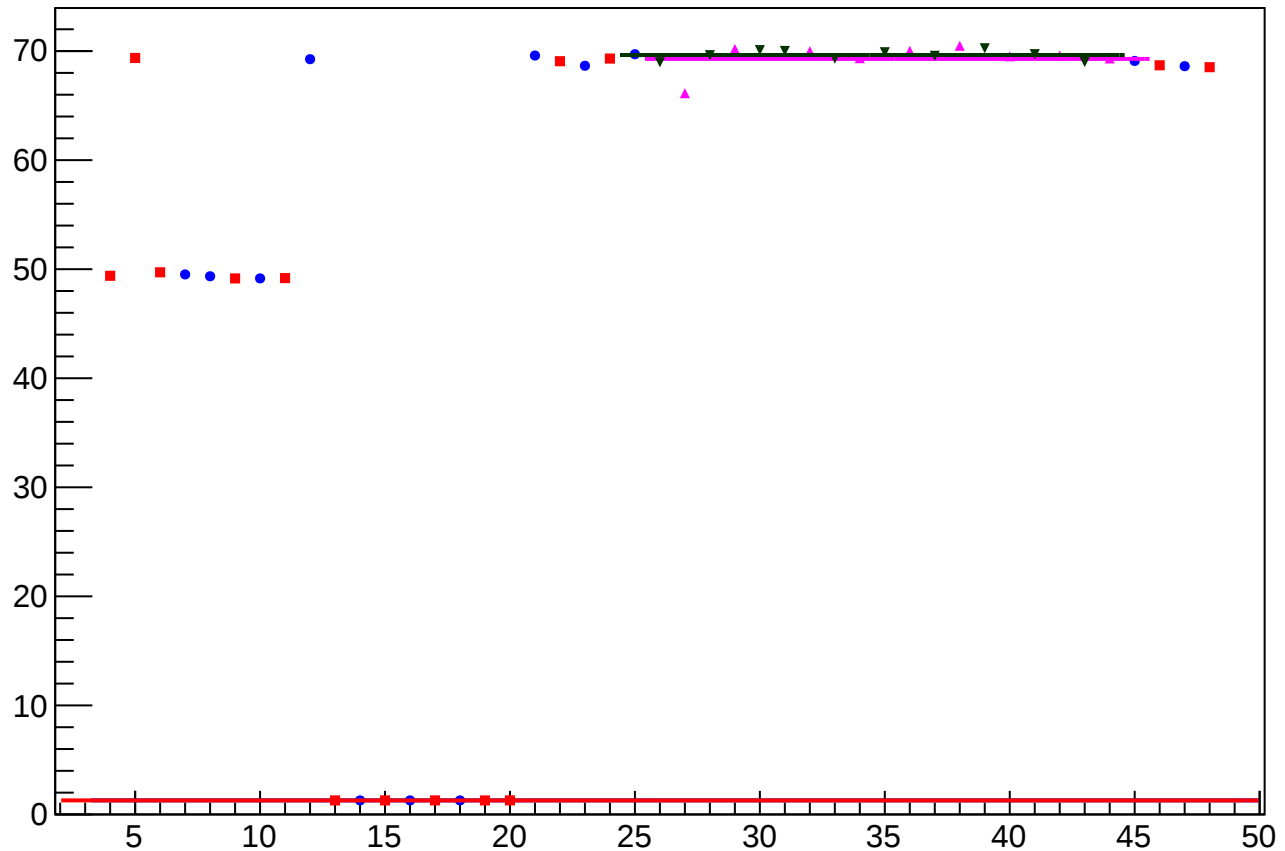
0.002 $\pm$ 0.000 χ^2 /NDF: 19982713.3/21

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 8491969.9/13

0.002 $\pm$ 0.000 χ^2 /NDF: 19158831.9/22

Left In: 0.183 $\pm$ 0.000 χ^2 /NDF:20451.6/8

yield_bcm_an_ds3_mean vs slug



Right In: 1.290+/-0.000 χ^2/NDF : 608016197250.7/11

Left Out: 69.640+/-0.000 χ^2/NDF : 25576787.7/9

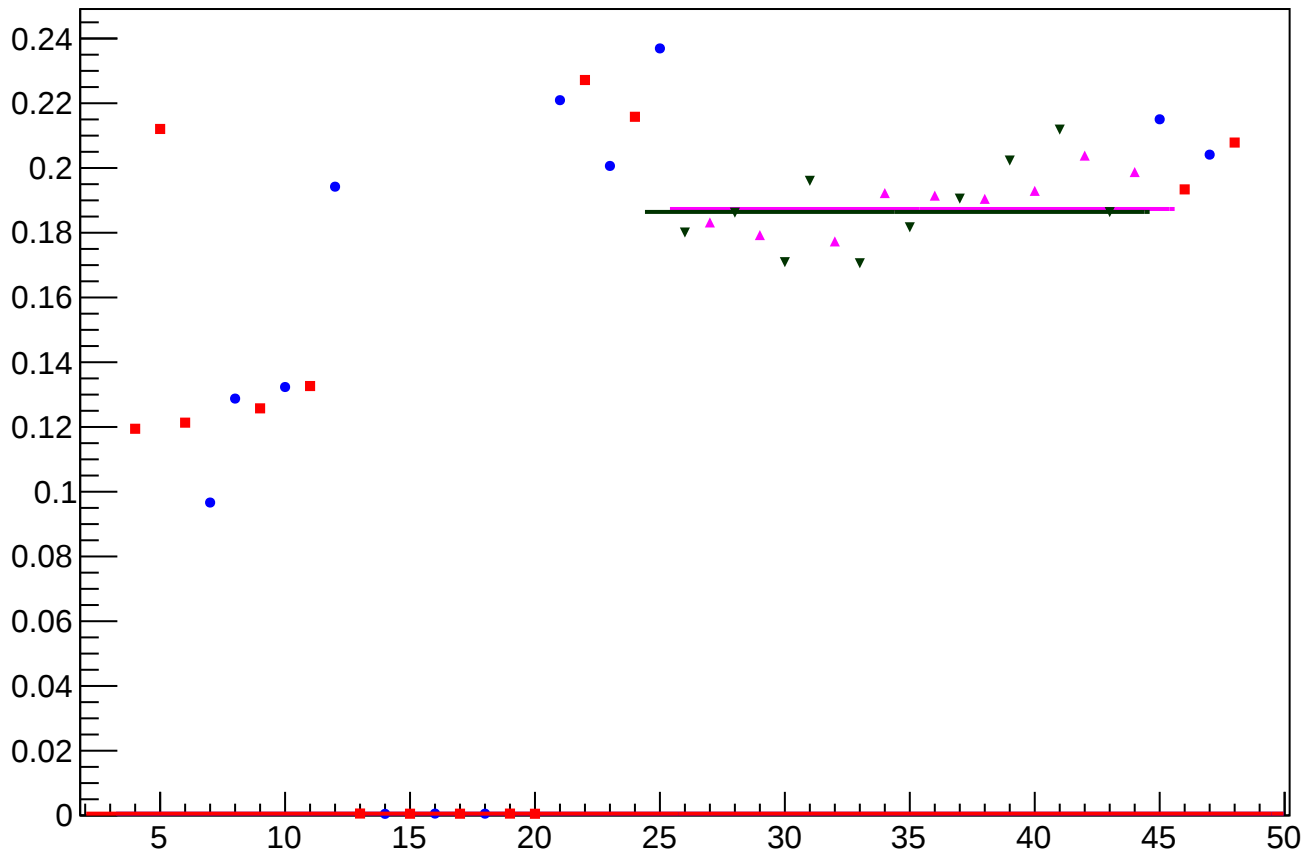
1.291+/-0.000 χ^2/NDF : 1301585810321.2/21

Right Out: 1.290+/-0.000 χ^2/NDF : 544282243350.1/13

1.291+/-0.000 χ^2/NDF : 1258806949998.0/22

Left In: 69.283+/-0.000 χ^2/NDF : 304578930.7/8

yield_bcm_an_ds3_rms vs slug



Right In: 0.001+/-0.000 χ^2/NDF : 9969253.2/11

Left Out: 0.186+/-0.000 χ^2/NDF : 44561.5/9

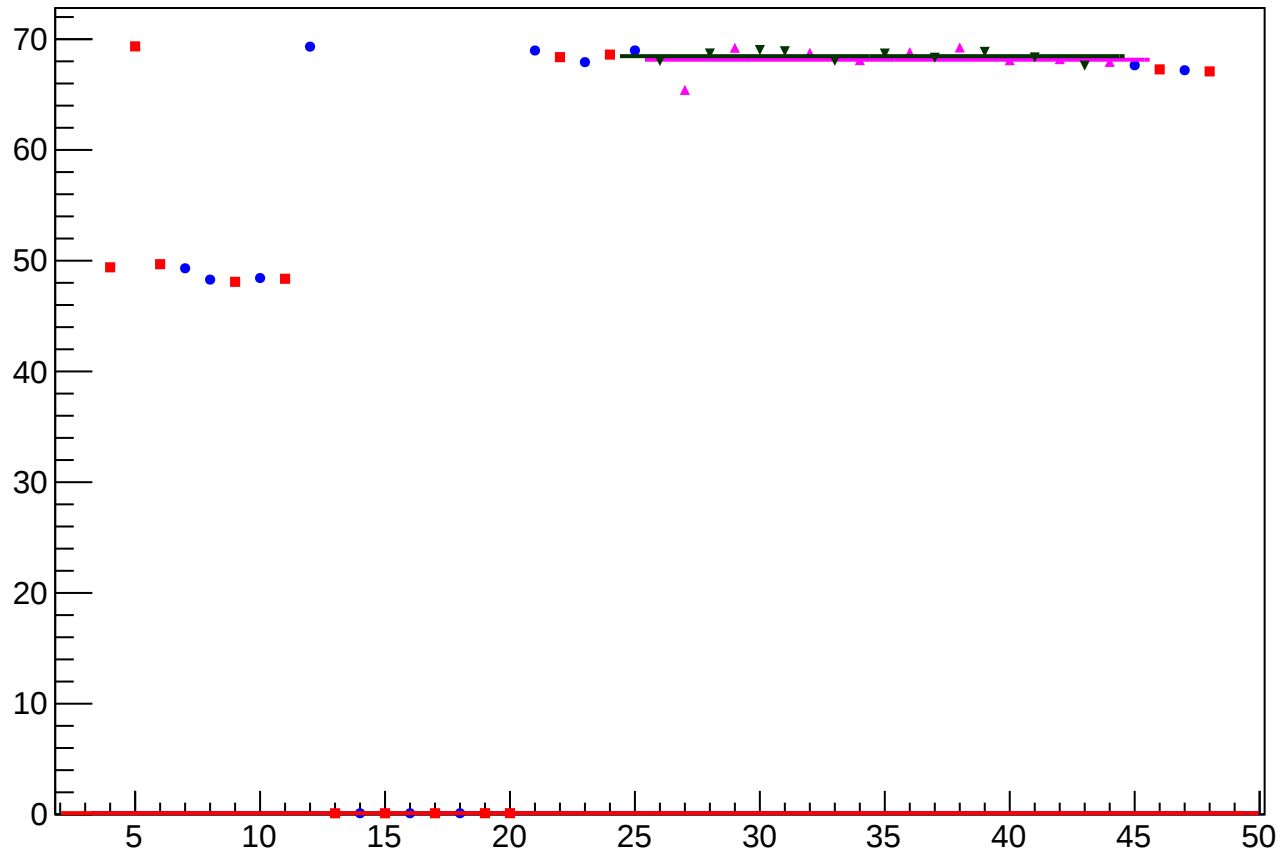
0.001+/-0.000 χ^2/NDF : 20275040.6/21

Right Out: 0.001+/-0.000 χ^2/NDF : 8618999.5/13

0.001+/-0.000 χ^2/NDF : 19419592.7/22

Left In: 0.187+/-0.000 χ^2/NDF : 21623.6/8

yield_bcm_an_us_mean vs slug



Right In: 0.120+/-0.000 χ^2/NDF : 639447238689.9/11

Left Out: 68.467+/-0.000 χ^2/NDF : 29247560.9/9

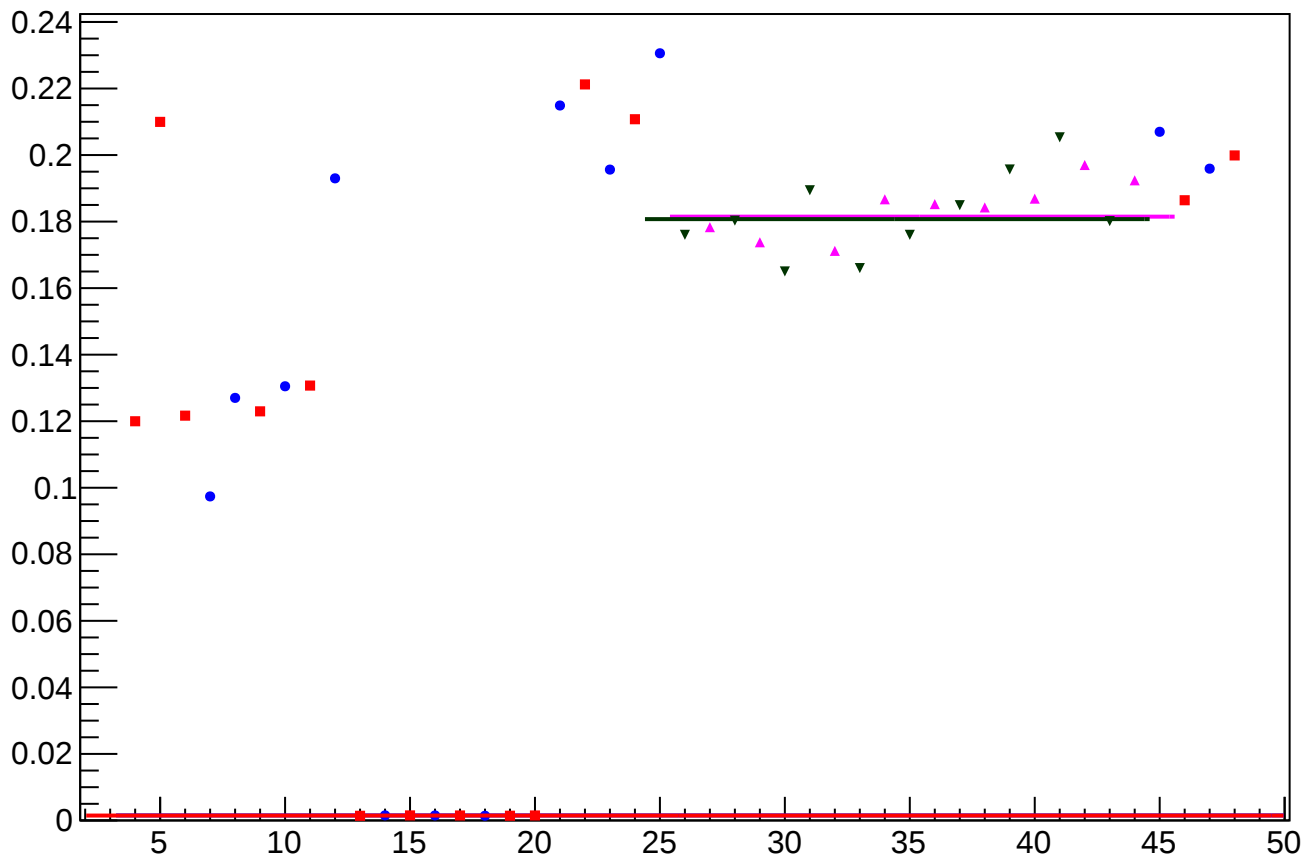
0.131+/-0.000 χ^2/NDF : 1376138537972.0/21

Right Out: 0.118+/-0.000 χ^2/NDF : 573595442425.7/13

0.127+/-0.000 χ^2/NDF : 1335554424213.3/22

Left In: 68.148+/-0.000 χ^2/NDF : 258150301.2/8

yield_bcm_an_us_rms vs slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 9824644.0/11

Left Out: 0.181 $\pm$ 0.000 χ^2 /NDF:43552.7/9

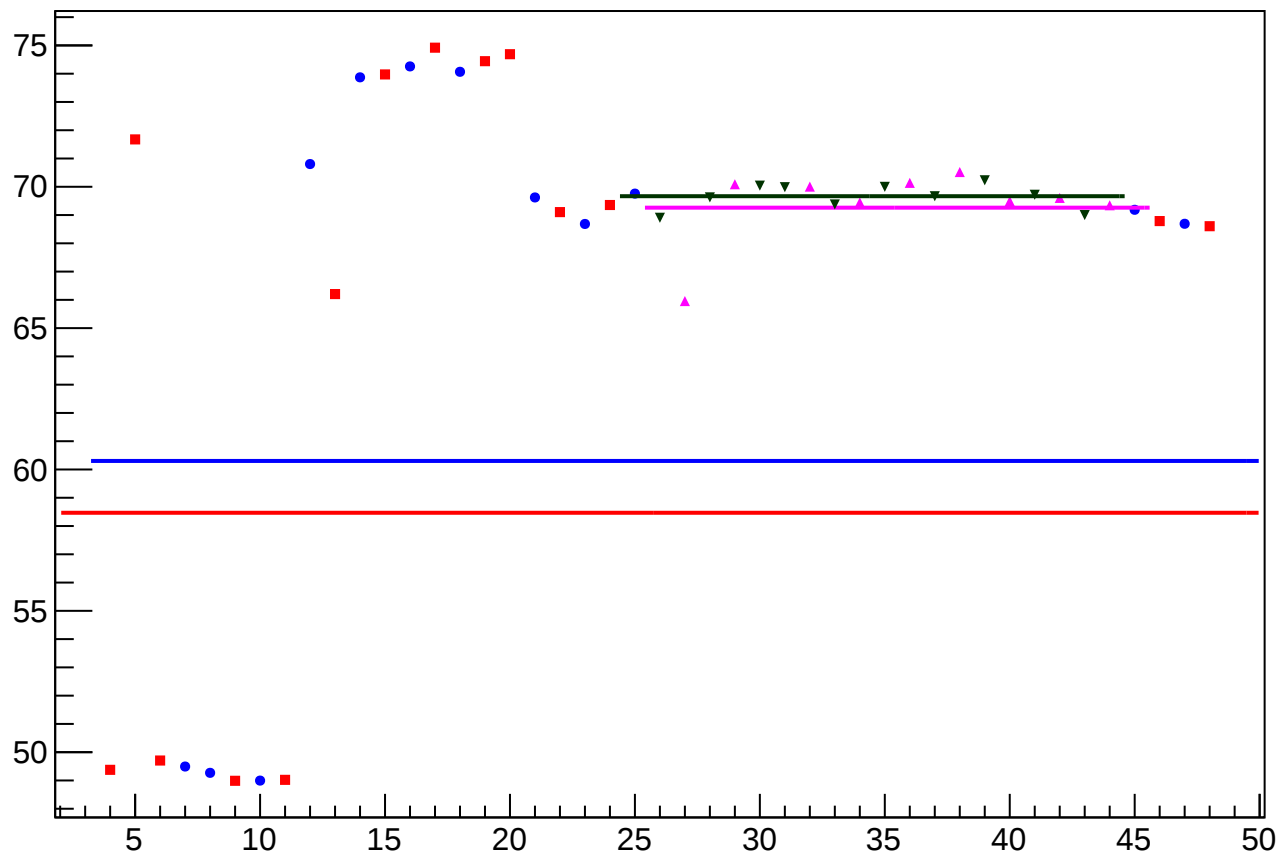
Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 8507160.7/13

Left In: 0.181 $\pm$ 0.000 χ^2 /NDF:21535.2/8

0.002 $\pm$ 0.000 χ^2 /NDF: 19999401.1/21

0.001 $\pm$ 0.000 χ^2 /NDF: 19194787.3/22

yield_bcm_dg_us_mean vs slug



Right In: 60.302 $\pm$ 0.000 χ^2/NDF : 29093001445.8/11

Left Out: 69.667 $\pm$ 0.000 χ^2/NDF : 24128815.3/9

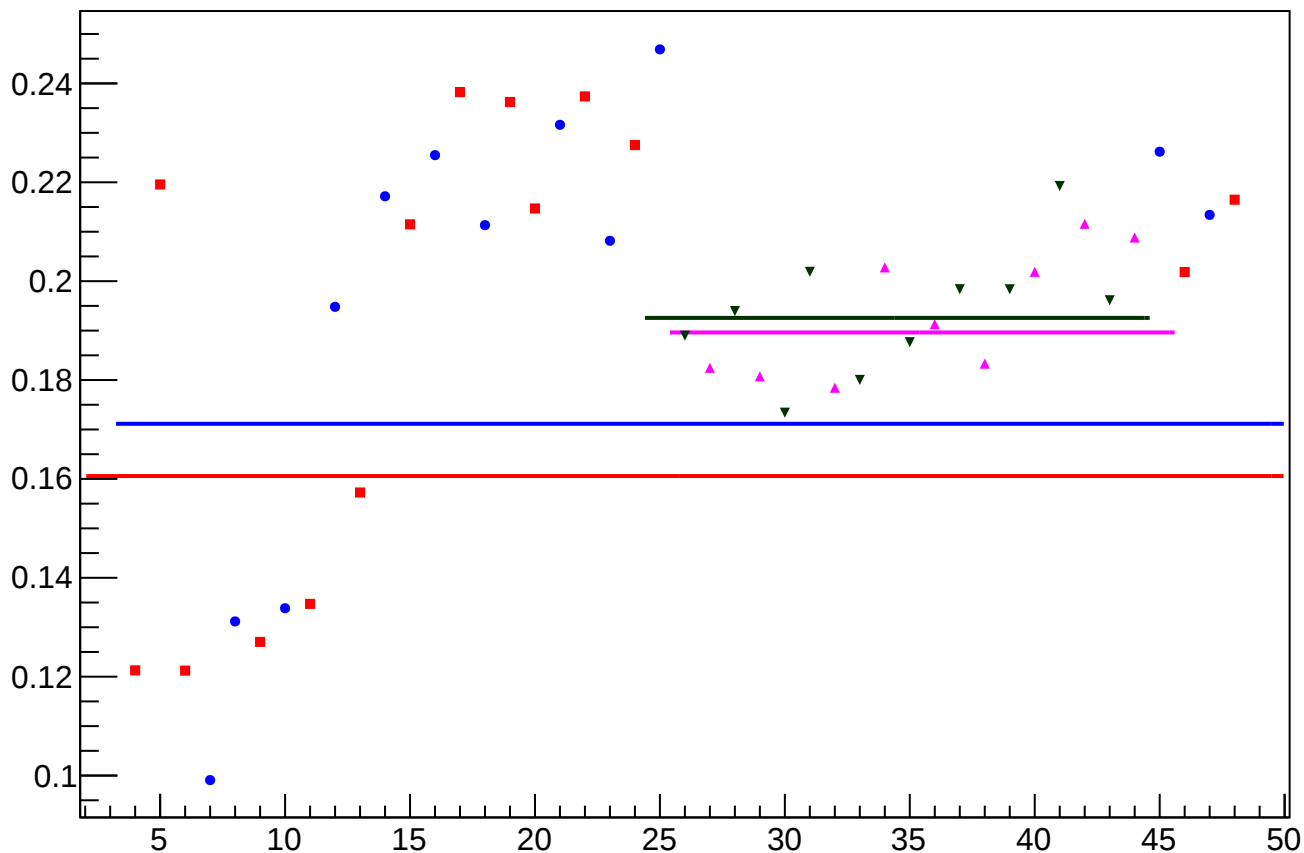
Right Out: 58.469 $\pm$ 0.000 χ^2/NDF : 27808638818.2/13

Left In: 69.261 $\pm$ 0.000 χ^2/NDF : 334097466.4/8

63.821 $\pm$ 0.000 χ^2/NDF : 36742658683.2/21

62.526 $\pm$ 0.000 χ^2/NDF : 39059552232.5/22

yield_bcm_dg_us_rms vs slug



Right In: 0.171+/-0.000 χ^2/NDF : 1036368.7/11

Left Out: 0.193+/-0.000 χ^2/NDF : 38713.5/9

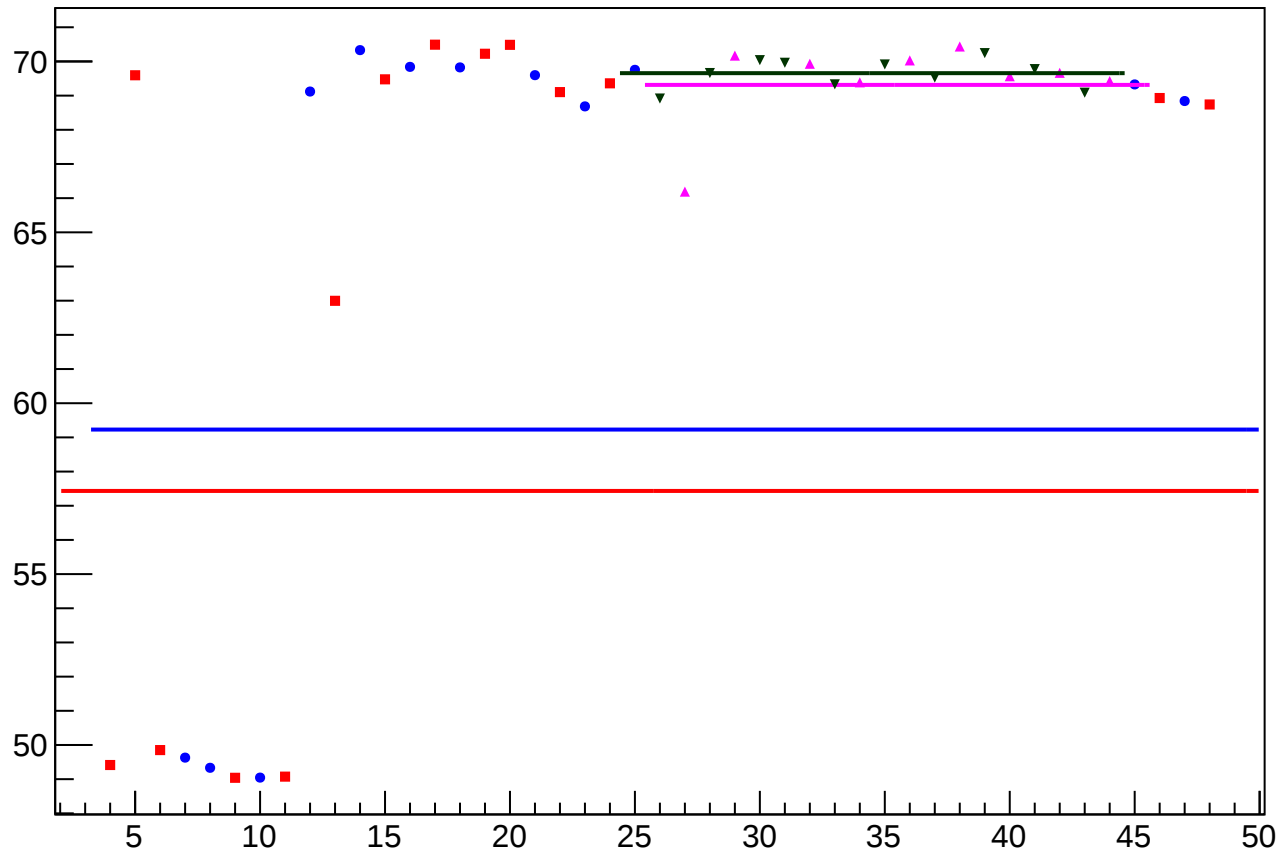
Right Out: 0.161+/-0.000 χ^2/NDF : 940006.0/13

Left In: 0.190+/-0.000 χ^2/NDF : 41377.7/8

0.179+/-0.000 χ^2/NDF : 1154875.3/21

0.172+/-0.000 χ^2/NDF : 1139509.1/22

yield_bcm_dg_ds_mean vs slug



Right In: 59.229 $\pm$ 0.000 χ^2/NDF : 24929580756.8/11

Left Out: 69.657 $\pm$ 0.000 χ^2/NDF : 23922100.2/9

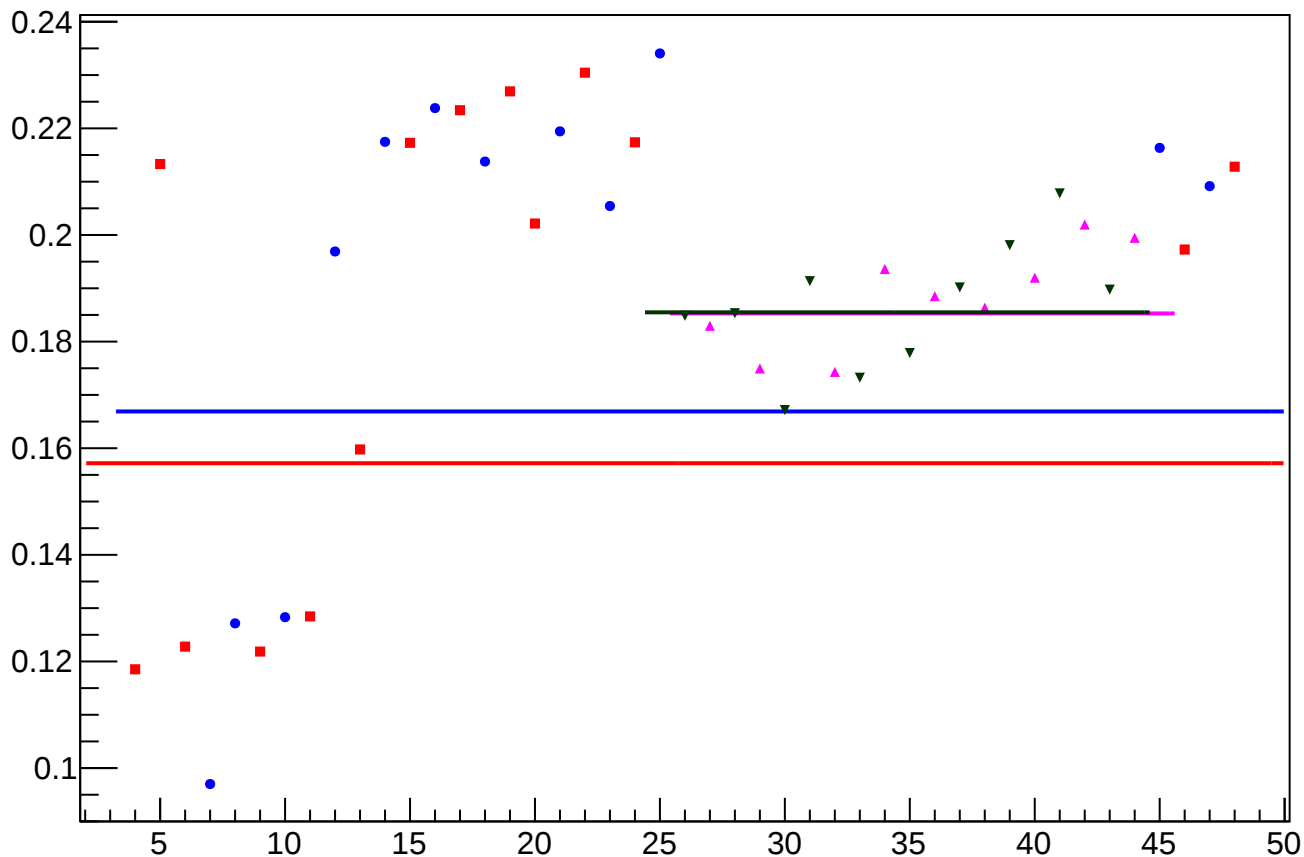
63.215 $\pm$ 0.000 χ^2/NDF : 35046299529.7/21

Right Out: 57.433 $\pm$ 0.000 χ^2/NDF : 22985607361.2/13

61.916 $\pm$ 0.000 χ^2/NDF : 37146734099.9/22

Left In: 69.314 $\pm$ 0.000 χ^2/NDF : 295096532.4/8

yield_bcm_dg_ds_rms vs slug



Right In: 0.167+/-0.000 χ^2/NDF : 1088267.8/11

Left Out: 0.185+/-0.000 χ^2/NDF : 38669.2/9

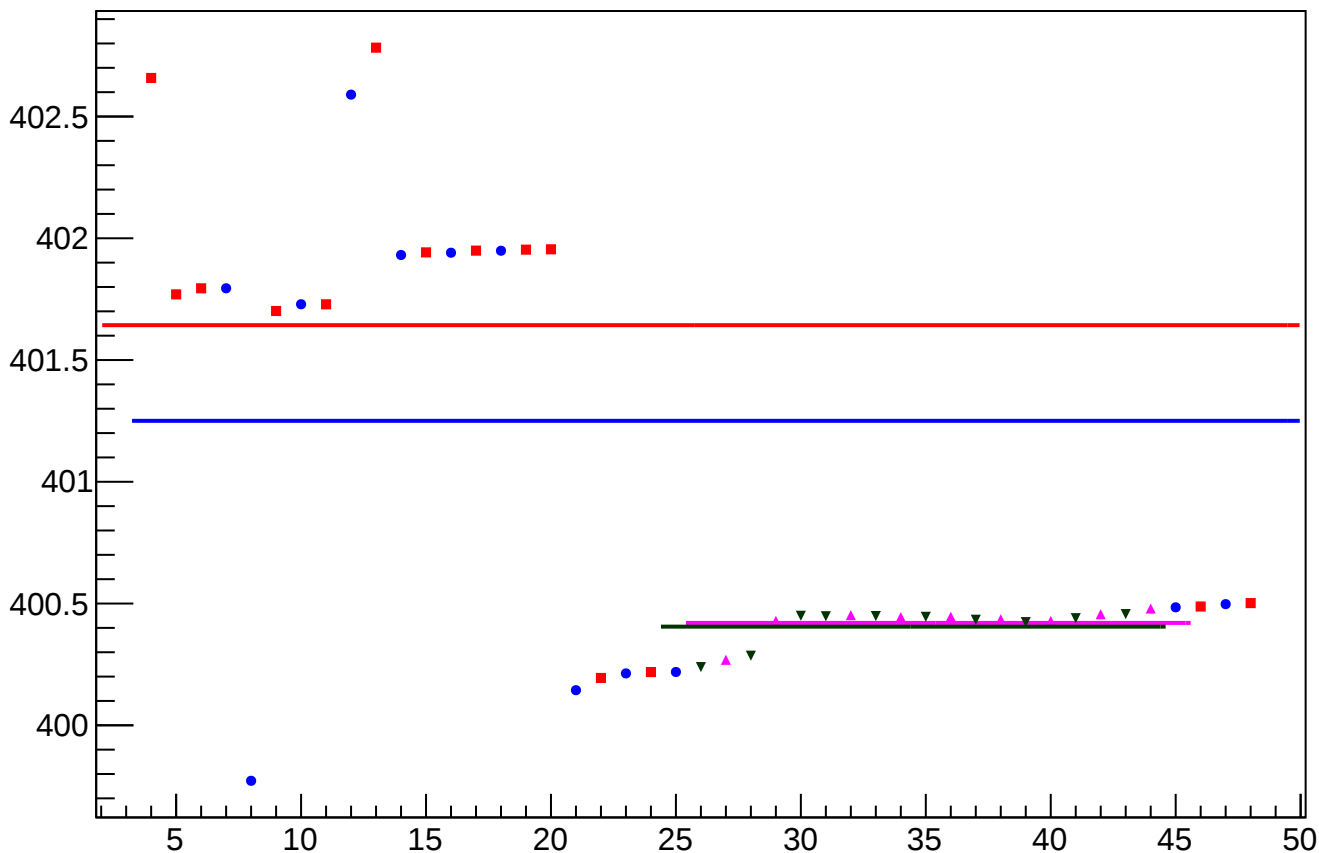
Right Out: 0.157+/-0.000 χ^2/NDF : 923186.0/13

Left In: 0.185+/-0.000 χ^2/NDF : 27905.0/8

0.174+/-0.000 χ^2/NDF : 1191109.9/21

0.168+/-0.000 χ^2/NDF : 1106216.4/22

yield_cav4bQ_mean vs slug



Right In: 401.250+/-0.000 χ^2/NDF : 139196263923.5/11

Left Out: 400.405+/-0.000 χ^2/NDF : 614198257.0/9

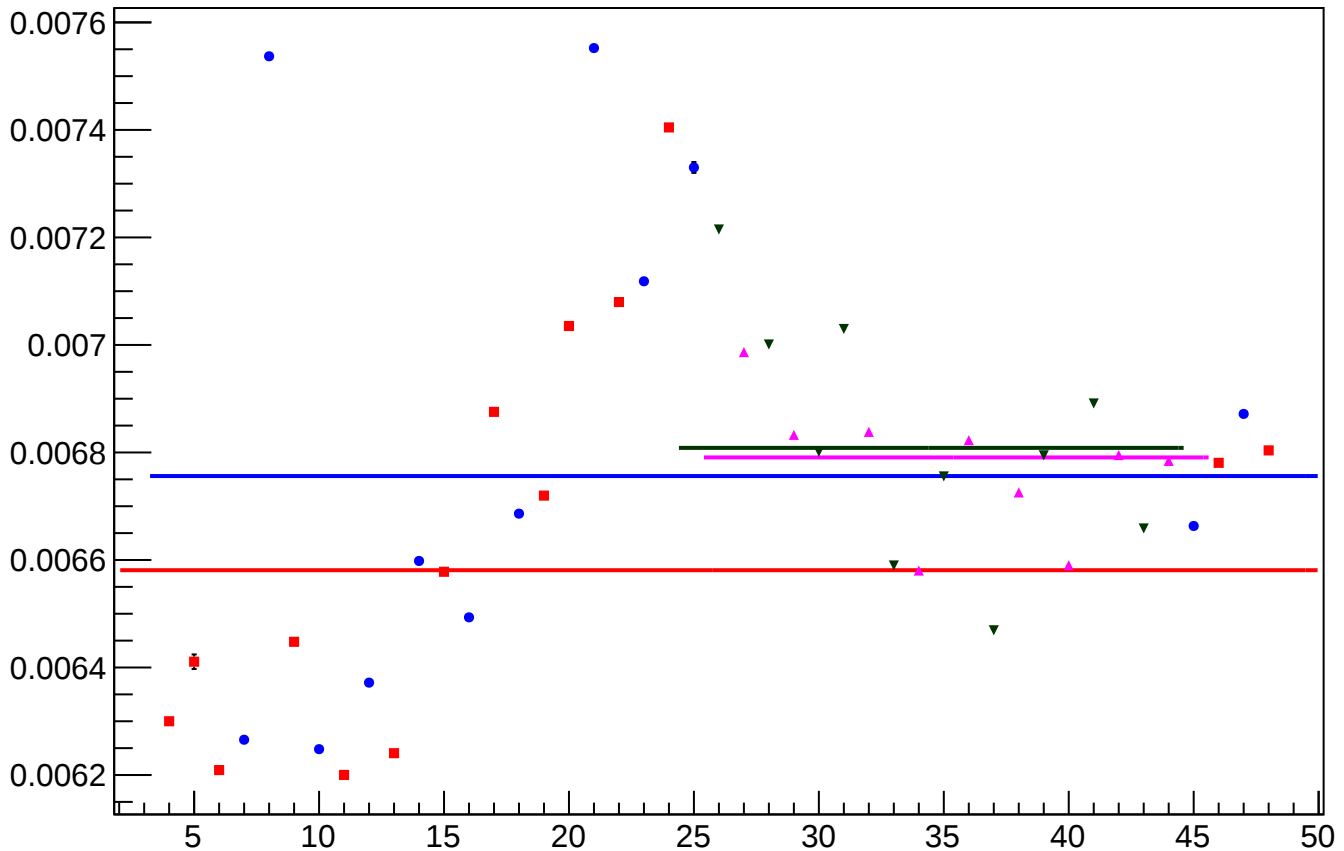
Right Out: 401.643+/-0.000 χ^2/NDF : 117101300037.4/13

Left In: 400.420+/-0.000 χ^2/NDF : 493859422.0/8

400.902+/-0.000 χ^2/NDF : 188517882612.8/21

401.131+/-0.000 χ^2/NDF : 223910241200.4/22

yield_cav4bQ_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 63511.1/11

Left Out: 0.007+/-0.000 χ^2/NDF : 9783.1/9

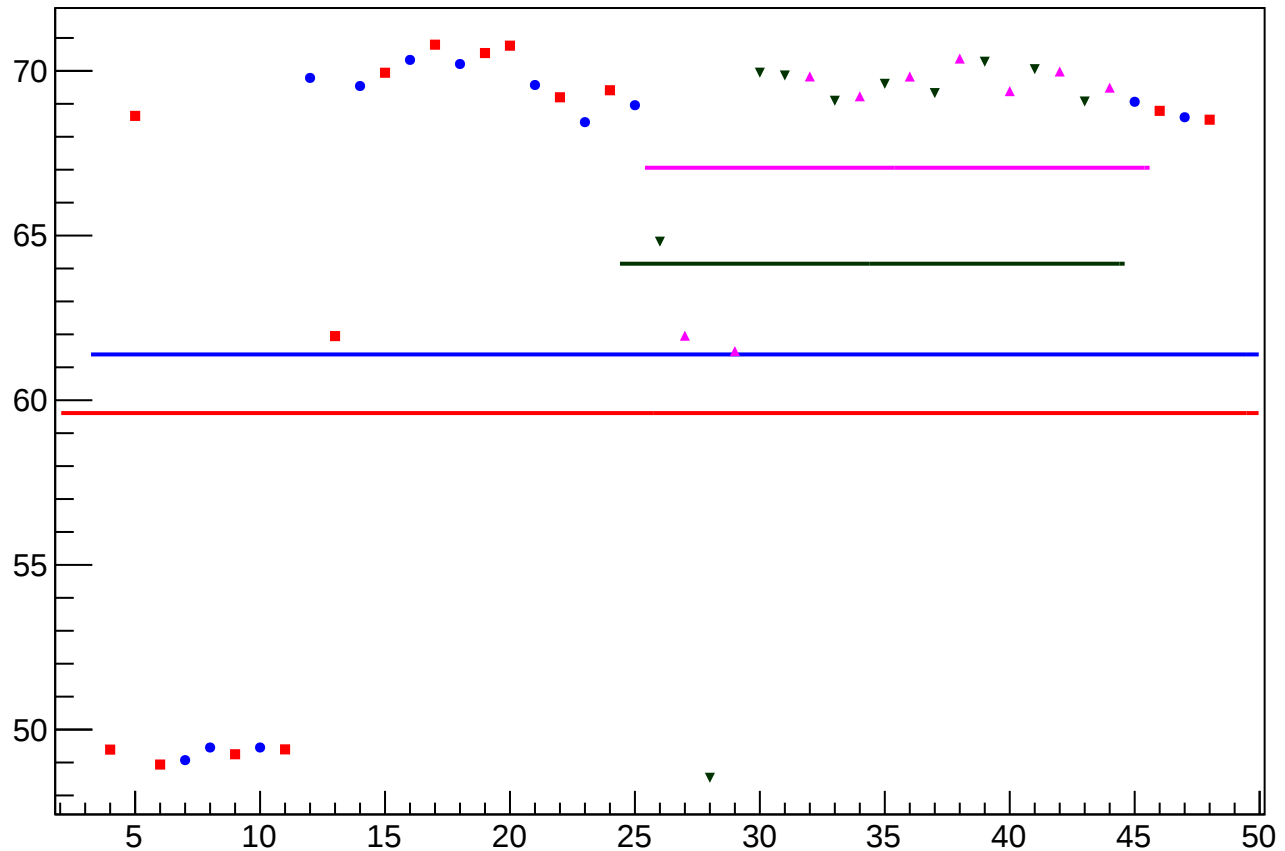
Right Out: 0.007+/-0.000 χ^2/NDF : 44282.0/13

Left In: 0.007+/-0.000 χ^2/NDF : 3544.3/8

0.007+/-0.000 χ^2/NDF : 73668.9/21

0.007+/-0.000 χ^2/NDF : 54085.1/22

yield_cav4cQ_mean vs slug



Right In: 61.391+/-0.000 χ^2/NDF : 14975016636.3/11

Left Out: 64.145+/-0.000 χ^2/NDF : 8533420736.0/9

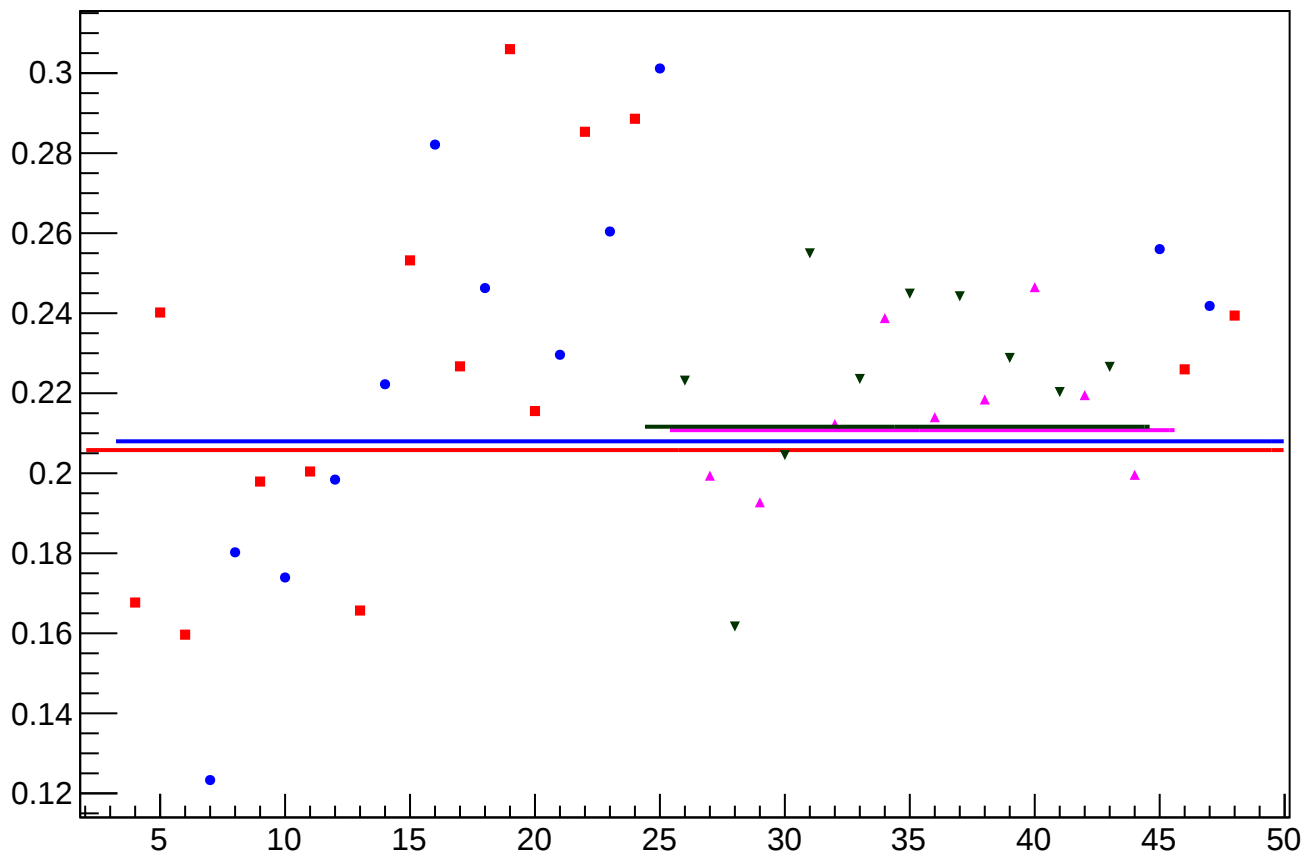
62.521+/-0.000 χ^2/NDF : 23985539488.8/21

Right Out: 59.610+/-0.000 χ^2/NDF : 12902858867.0/13

62.877+/-0.000 χ^2/NDF : 18108648034.1/22

Left In: 67.060+/-0.000 χ^2/NDF : 1652898078.7/8

yield_cav4cQ_rms vs slug



Right In: 0.208 ± 0.000 χ^2/NDF : 574413.4/11

Left Out: 0.212 ± 0.000 χ^2/NDF : 201414.9/9

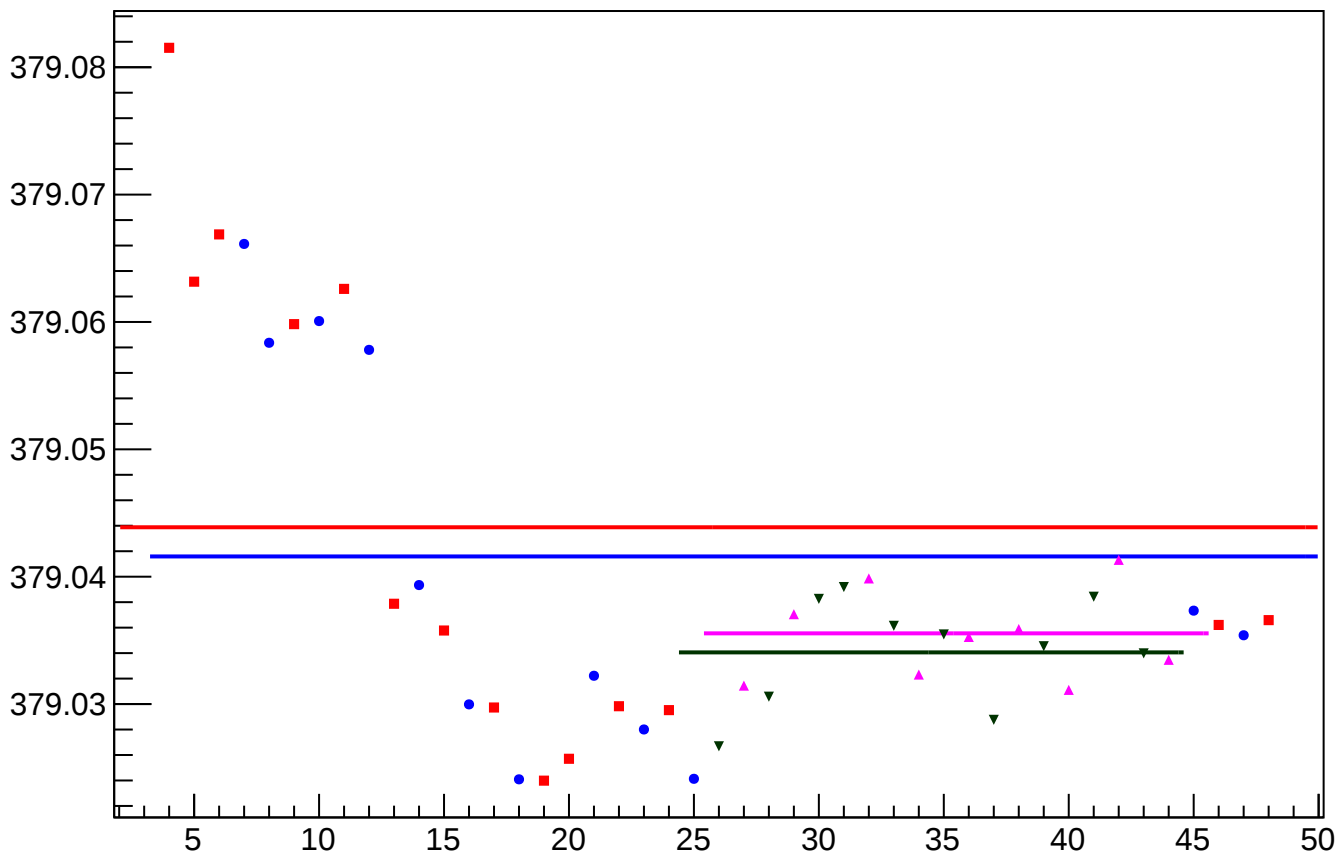
Right Out: 0.206 ± 0.000 χ^2/NDF : 504917.5/13

Left In: 0.211 ± 0.000 χ^2/NDF : 54593.1/8

0.209 ± 0.000 χ^2/NDF : 777498.3/21

0.208 ± 0.000 χ^2/NDF : 562681.8/22

yield_cav4dQ_mean vs slug



Right In: 379.042 $\pm$ 0.000 χ^2 /NDF: 29208795.3/11

Left Out: 379.034 $\pm$ 0.000 χ^2 /NDF:1785889.4/9

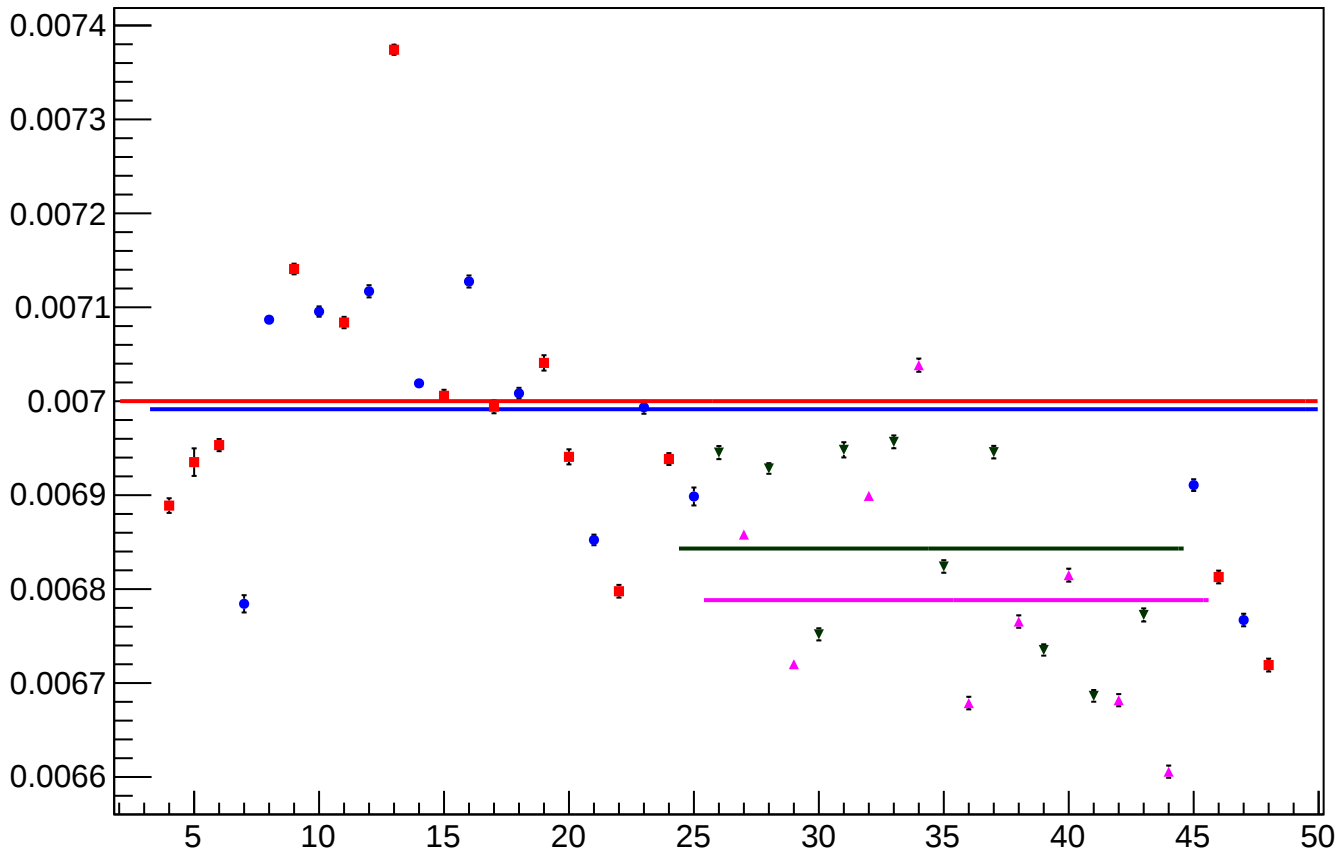
Right Out: 379.044 $\pm$ 0.000 χ^2 /NDF: 42325489.3/13

Left In: 379.036 $\pm$ 0.000 χ^2 /NDF:1460266.1/8

379.038 $\pm$ 0.000 χ^2 /NDF: 34751867.0/21

379.040 $\pm$ 0.000 χ^2 /NDF: 48478393.6/22

yield_cav4dQ_rms vs slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 4046.5/11

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:2379.4/9

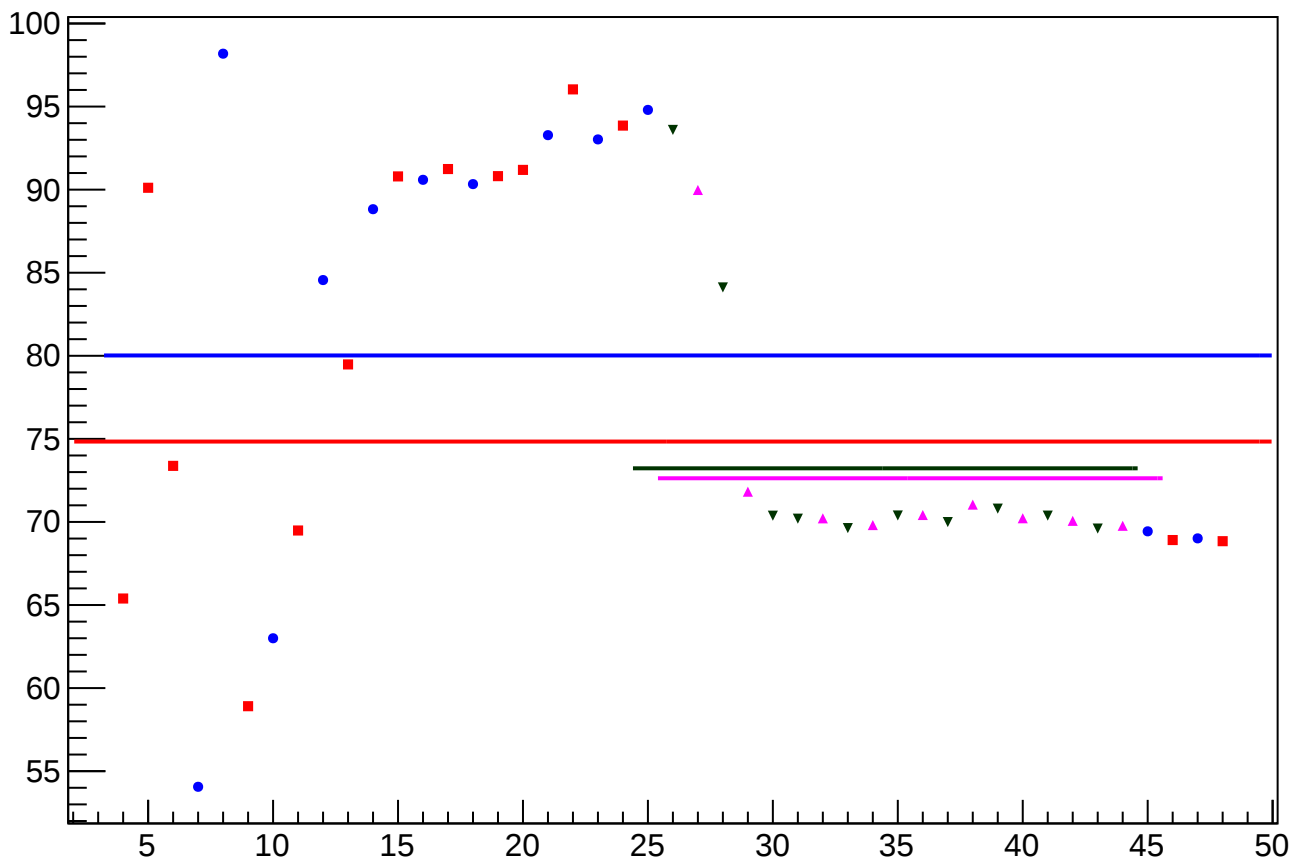
Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 9412.5/13

Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:3429.2/8

0.007 $\pm$ 0.000 χ^2 /NDF: 9337.7/21

0.007 $\pm$ 0.000 χ^2 /NDF: 18912.8/22

yield_bcm0l02_mean vs slug



Right In: 80.020+/-0.000 χ^2/NDF : 17267435815.0/11

Left Out: 73.228+/-0.000 χ^2/NDF : 3731942896.0/9

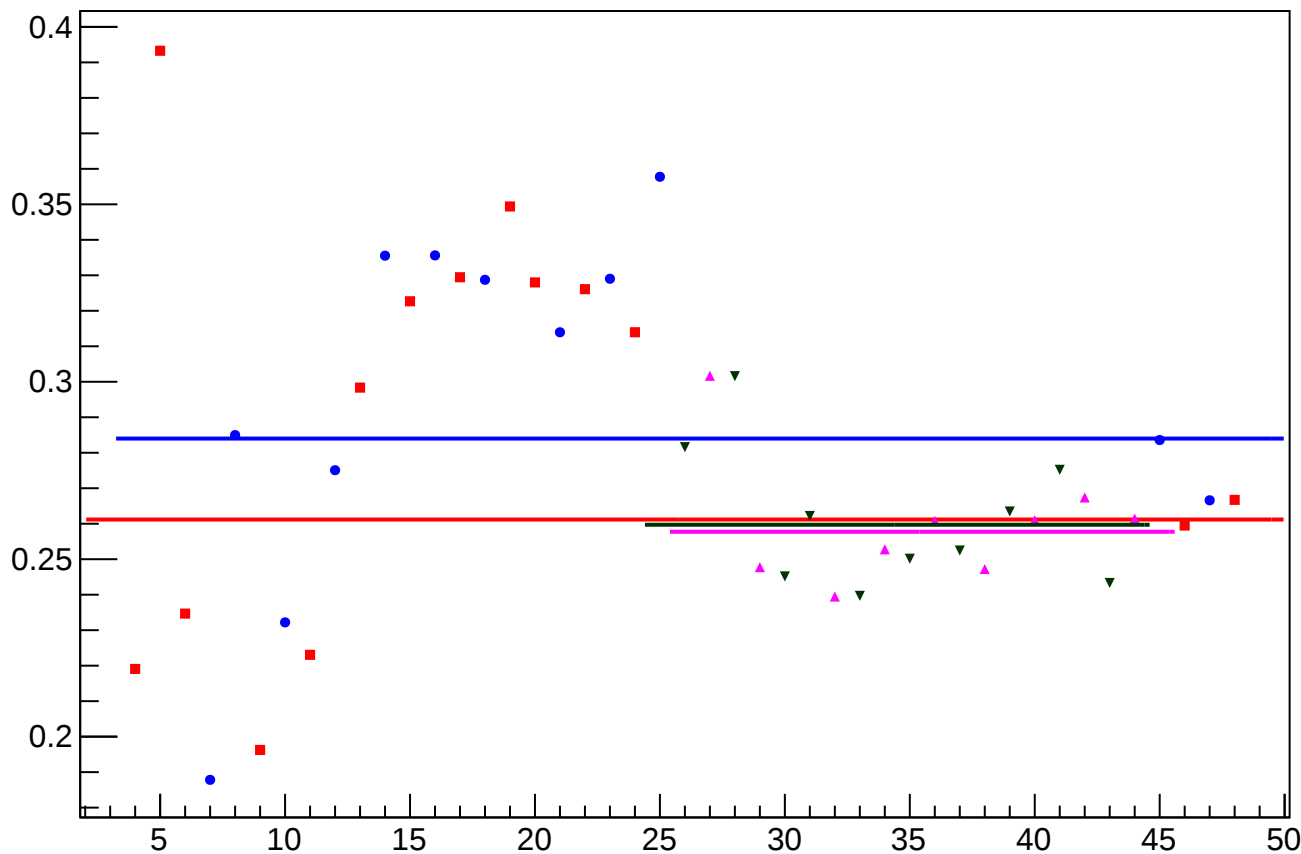
Right Out: 74.838+/-0.000 χ^2/NDF : 14038325022.1/13

Left In: 72.628+/-0.000 χ^2/NDF : 2928852368.6/8

76.842+/-0.000 χ^2/NDF : 22795212486.4/21

73.819+/-0.000 χ^2/NDF : 17175084947.1/22

yield_bcm0l02_rms vs slug



Right In: 0.284 ± 0.000 χ^2/NDF : 348949.0/11

Left Out: 0.260 ± 0.000 χ^2/NDF : 47918.7/9

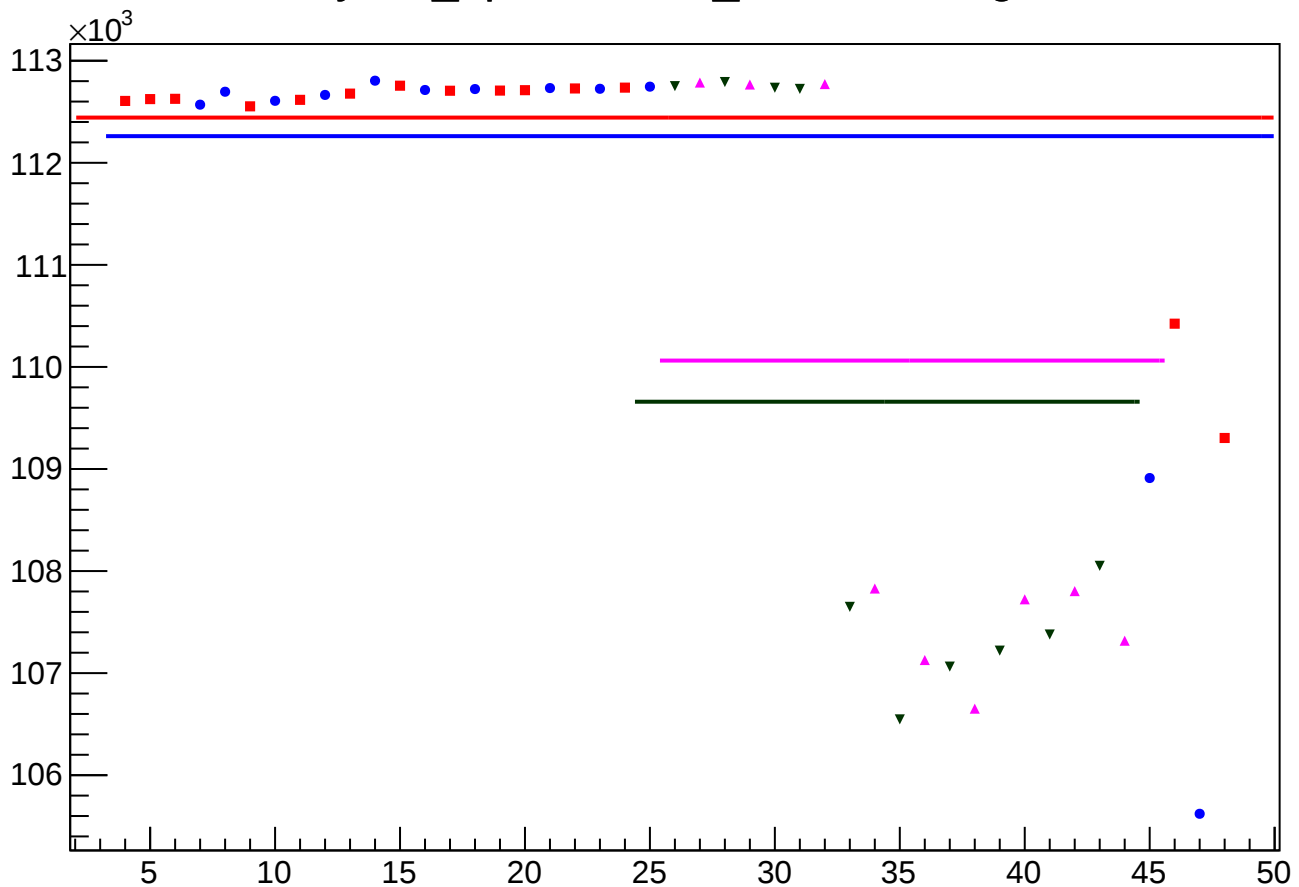
Right Out: 0.261 ± 0.000 χ^2/NDF : 481964.9/13

Left In: 0.258 ± 0.000 χ^2/NDF : 49167.8/8

0.273 ± 0.000 χ^2/NDF : 442784.7/21

0.260 ± 0.000 χ^2/NDF : 532145.9/22

yield_bpm2i01WS_mean vs slug



Right In: 112261.144 $\pm$ 0.041 χ^2/NDF : 1453657273.0/11

Left Out: 109659.144 $\pm$ 0.053 χ^2/NDF : 2686861752.7/9

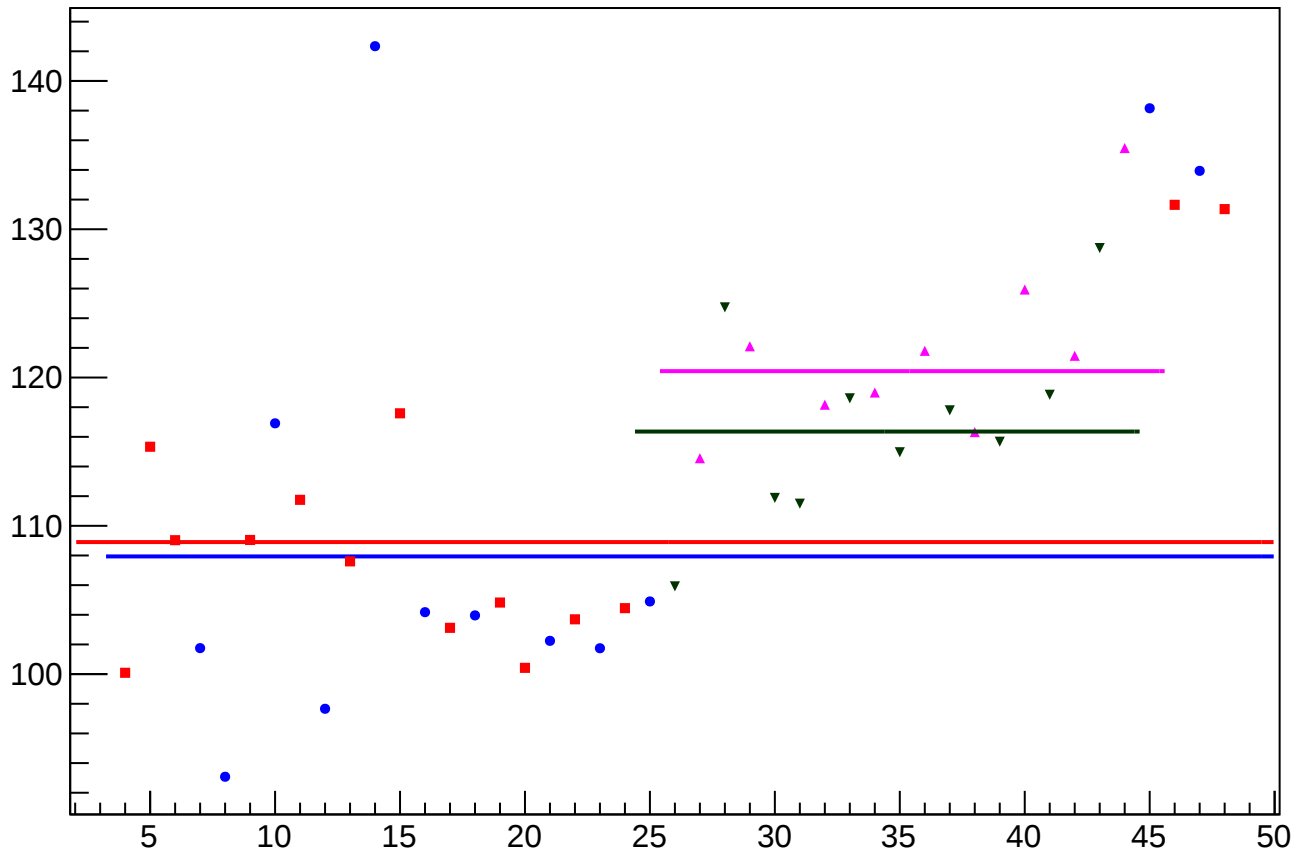
Right Out: 112443.124 $\pm$ 0.042 χ^2/NDF : 369062400.3/13

Left In: 110062.356 $\pm$ 0.053 χ^2/NDF : 2589754971.8/8

111291.918 $\pm$ 0.032 χ^2/NDF : 5662998681.6/21

111538.730 $\pm$ 0.033 χ^2/NDF : 4197614438.5/22

yield_bpm2i01WS_rms vs slug



Right In: 107.937 $\pm$ 0.029 χ^2 /NDF: 273798.9/11

Left Out: 116.357 $\pm$ 0.037 χ^2 /NDF:26817.0/9

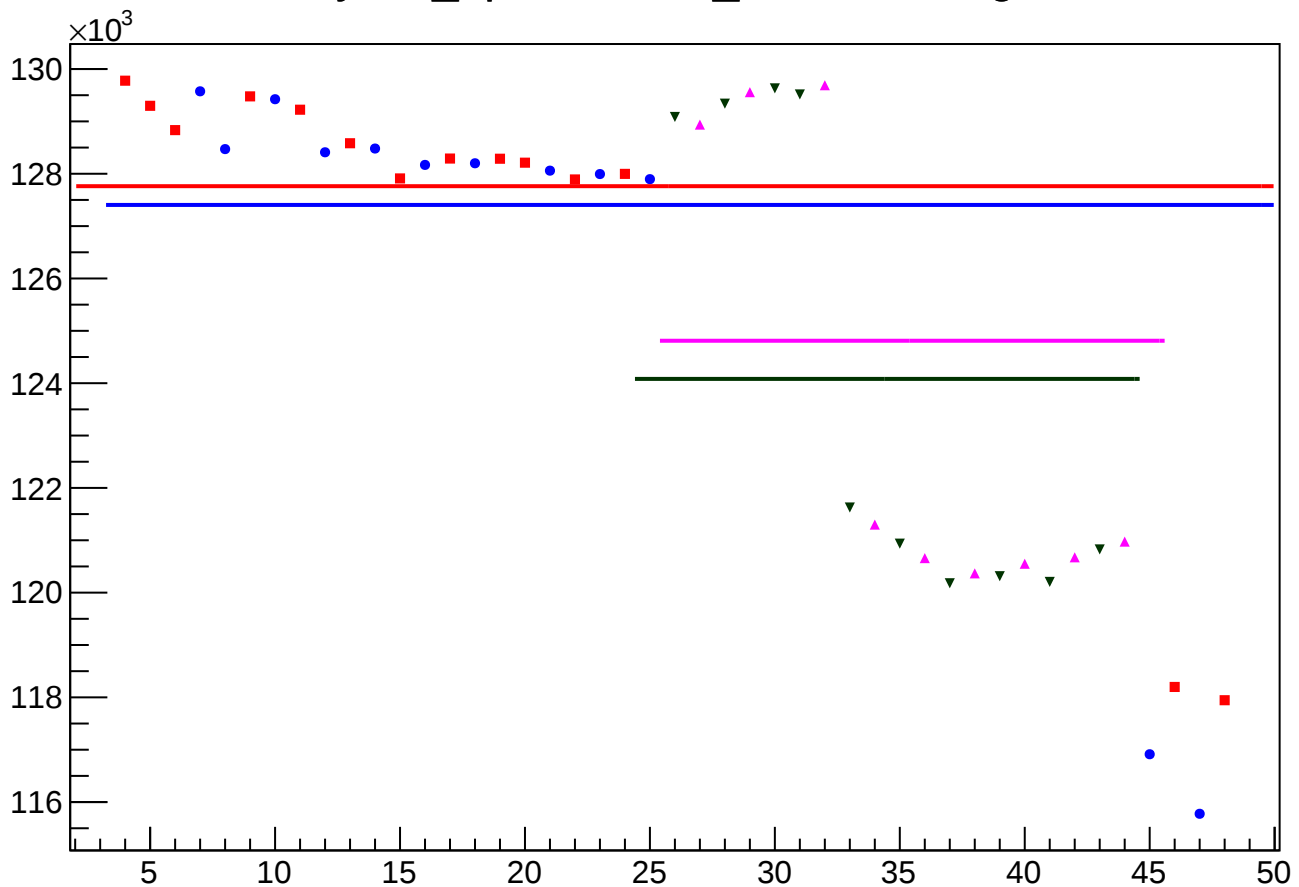
Right Out: 108.904 $\pm$ 0.029 χ^2 /NDF: 72673.2/13

Left In: 120.432 $\pm$ 0.038 χ^2 /NDF:18918.6/8

111.073 $\pm$ 0.023 χ^2 /NDF: 332504.7/21

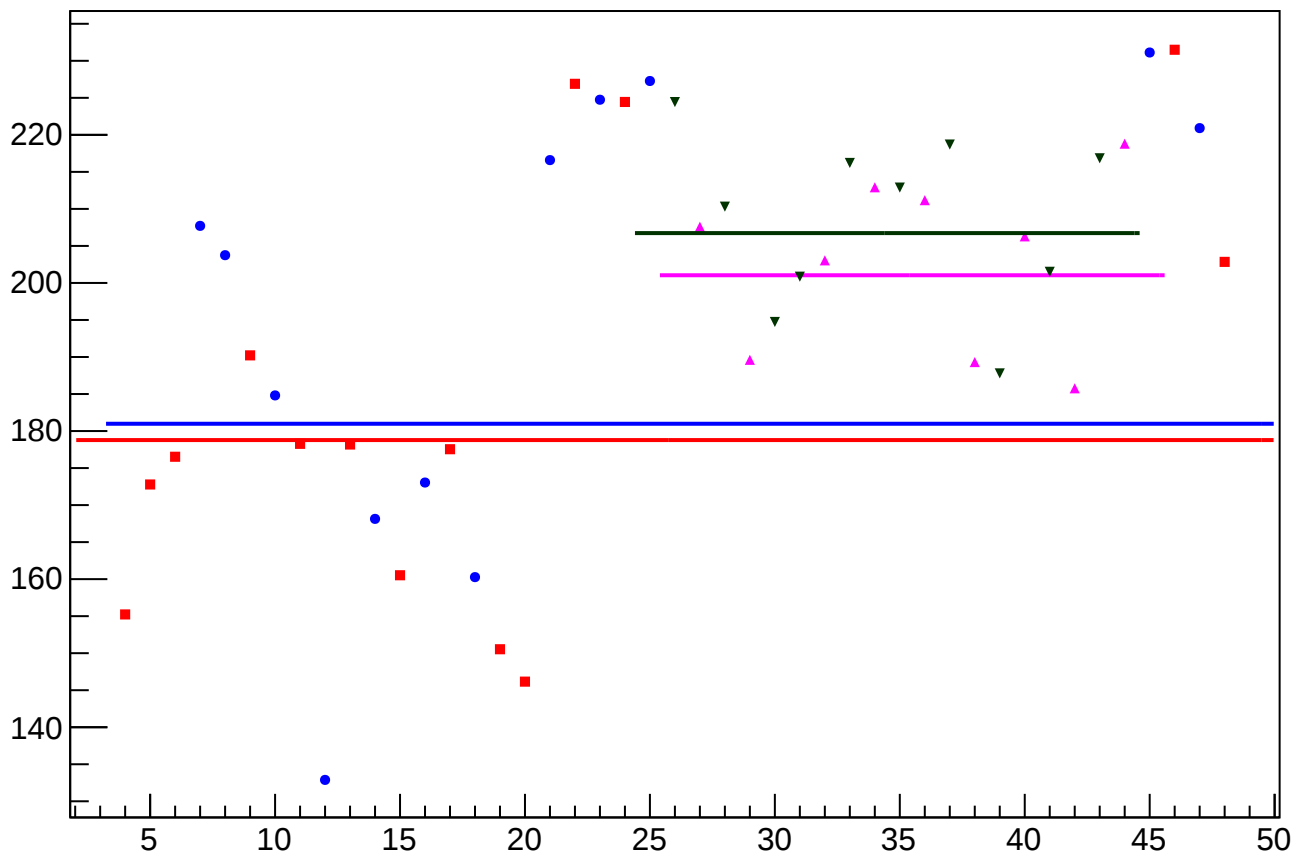
113.283 $\pm$ 0.023 χ^2 /NDF: 149680.0/22

yield_bpm0i07WS_mean vs slug



Right In: 127404.541 $\pm$ 0.068	χ^2/NDF : 2616411187.5/11	126205.708 $\pm$ 0.054	χ^2/NDF : 5779038064.1/21
Left Out: 124081.986 $\pm$ 0.090	χ^2/NDF : 2292578151.5/9		
Right Out: 127762.563 $\pm$ 0.068	χ^2/NDF : 1890391185.0/13	126609.914 $\pm$ 0.053	χ^2/NDF : 5232325854.2/22
Left In: 124810.637 $\pm$ 0.085	χ^2/NDF : 2608172131.0/8		

yield_bpm0i07WS_rms vs slug



Right In: 180.985+/-0.048 χ^2/NDF : 404422.2/11

Left Out: 206.733+/-0.064 χ^2/NDF :32612.0/9

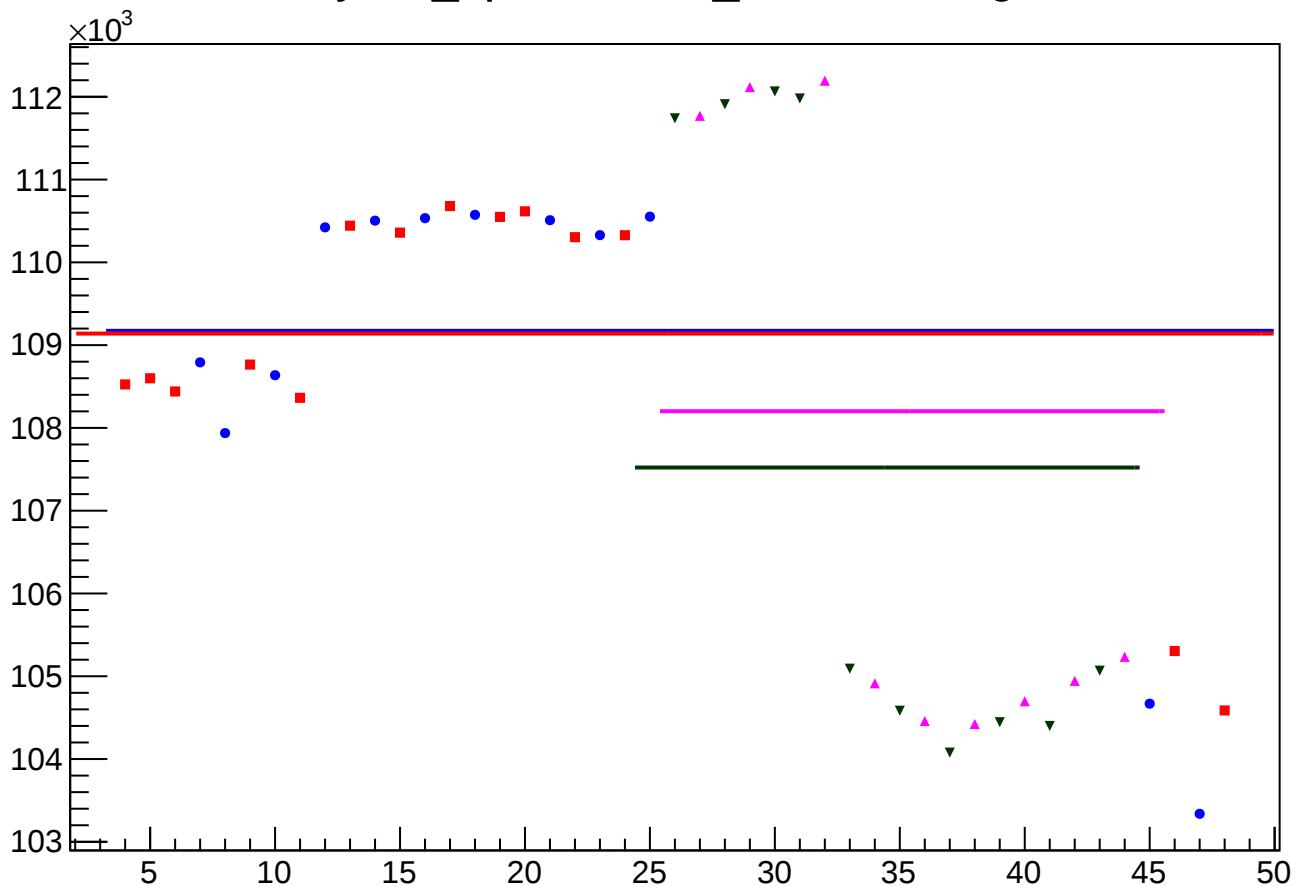
Right Out: 178.781+/-0.048 χ^2/NDF : 240456.1/13

Left In: 201.040+/-0.060 χ^2/NDF :31613.0/8

190.275+/-0.038 χ^2/NDF : 541538.8/21

187.472+/-0.038 χ^2/NDF : 355508.7/22

yield_bpm0l01WS_mean vs slug



Right In: 109172.689 $\pm$ 0.043 χ^2 /NDF: 2120085107.1/11

Left Out: 107521.561 $\pm$ 0.049 χ^2 /NDF: 5321162353.6/9

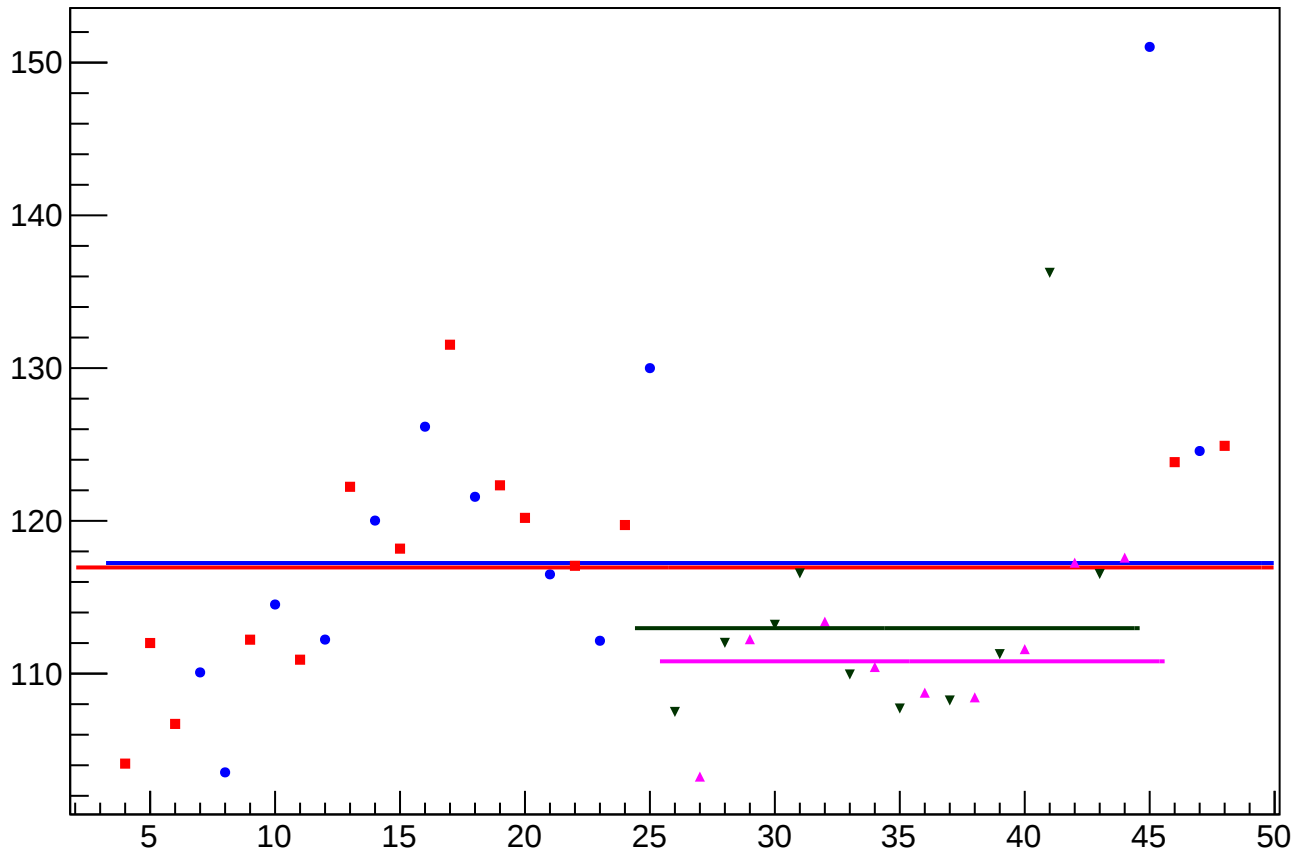
Right Out: 109139.685 $\pm$ 0.044 χ^2 /NDF: 1455826023.0/13

Left In: 108201.722 $\pm$ 0.047 χ^2 /NDF: 5984849706.8/8

108452.686 $\pm$ 0.033 χ^2 /NDF: 8071624320.7/21

108697.226 $\pm$ 0.032 χ^2 /NDF: 7651882794.1/22

yield_bpm0l01WS_rms vs slug



Right In: 117.240 ± 0.031 χ^2/NDF : 108620.9/11

Left Out: 112.975 ± 0.035 χ^2/NDF : 42849.8/9

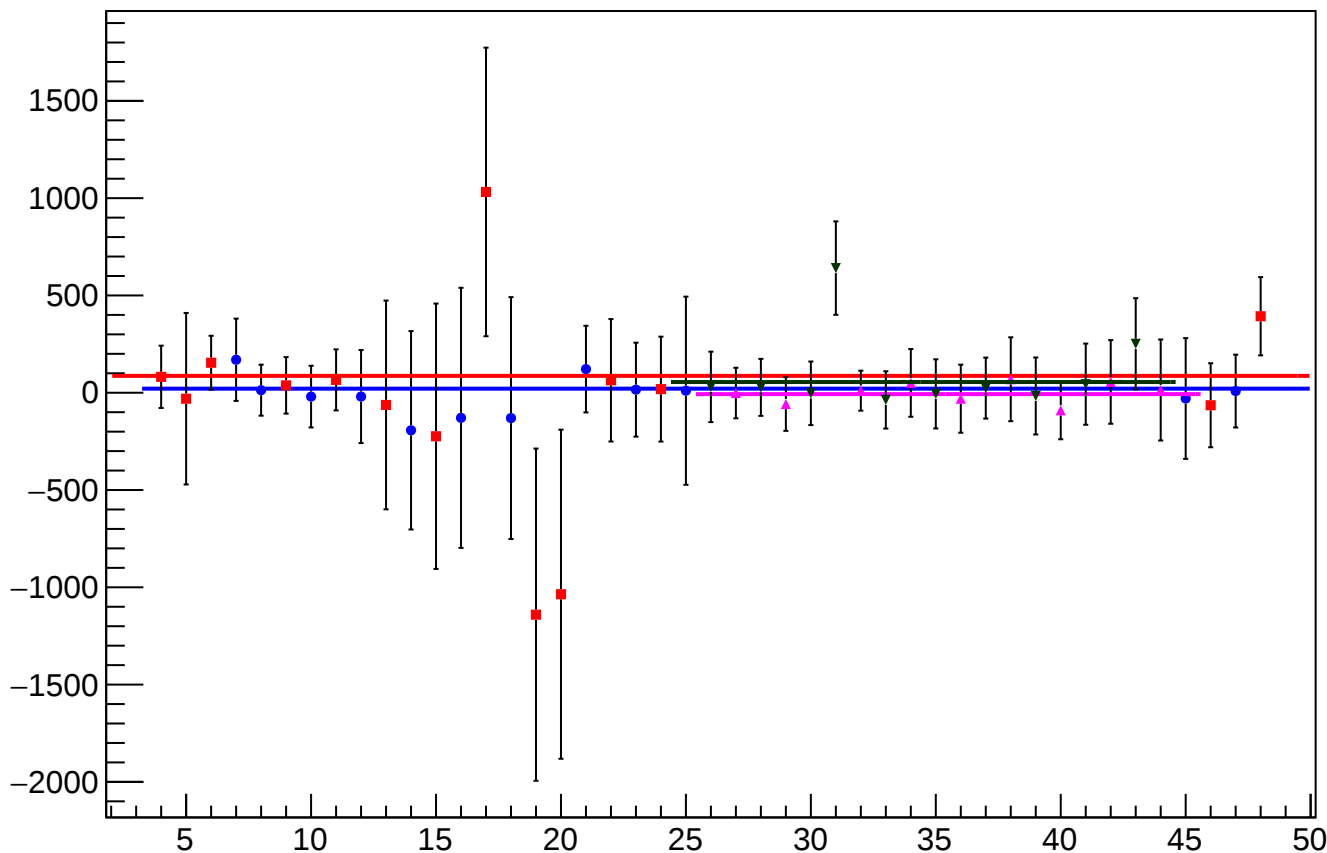
Right Out: 116.950 ± 0.031 χ^2/NDF : 50544.0/13

Left In: 110.804 ± 0.033 χ^2/NDF : 17542.1/8

115.381 ± 0.023 χ^2/NDF : 159881.8/21

114.051 ± 0.023 χ^2/NDF : 86217.9/22

asym_bcm_an_ds_mean vs slug



Right In: 20.950+/-66.360 χ^2/NDF : 1.1/11

Left Out: 55.055+/-56.152 χ^2/NDF : 7.5/9

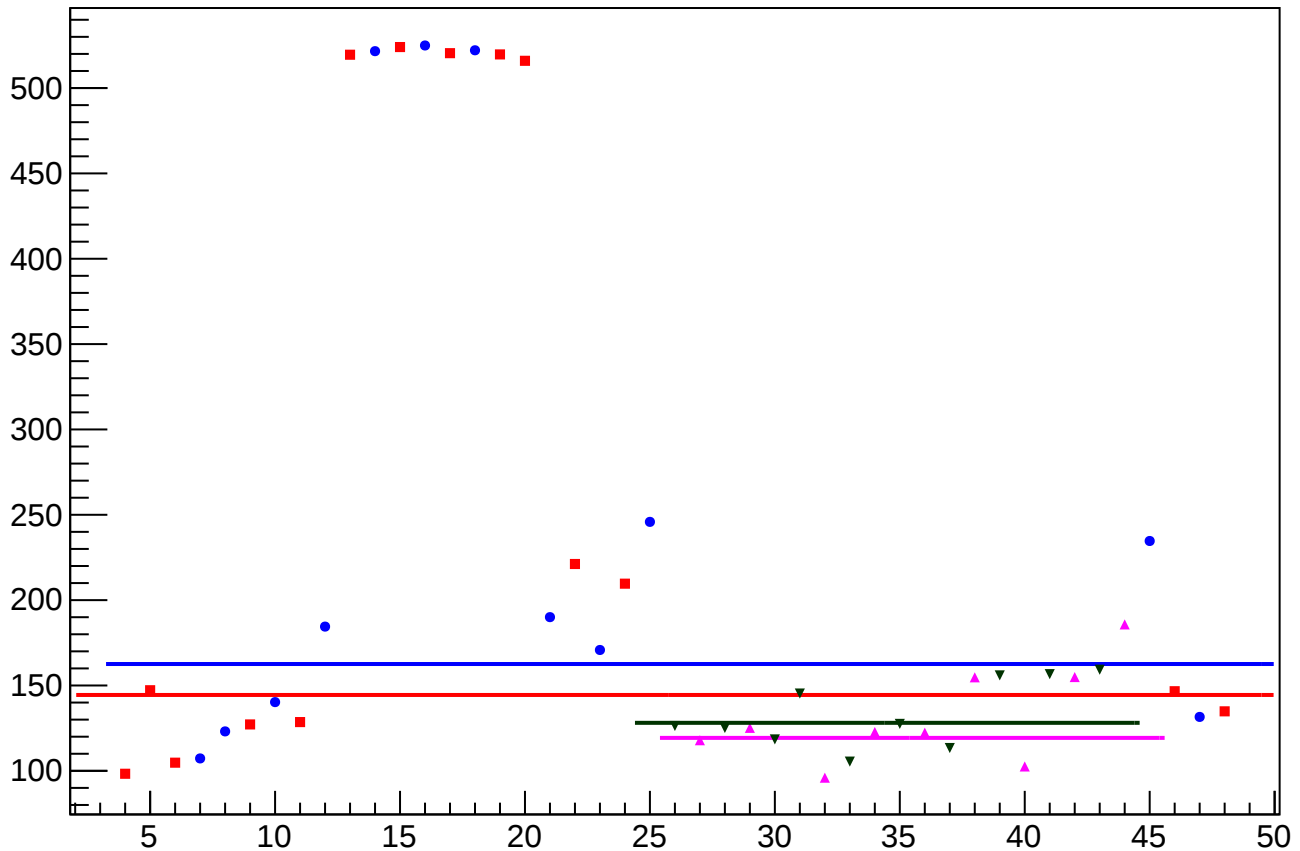
Right Out: 86.771+/-61.476 χ^2/NDF : 9.1/13

Left In: -7.075+/-51.612 χ^2/NDF : 0.8/8

40.824+/-42.865 χ^2/NDF : 8.8/21

31.724+/-39.528 χ^2/NDF : 11.3/22

asym_bcm_an_ds_rms vs slug



Right In: 162.578+/-0.047 χ^2/NDF : 2878939.1/11

Left Out: 128.125+/-0.040 χ^2/NDF :195774.0/9

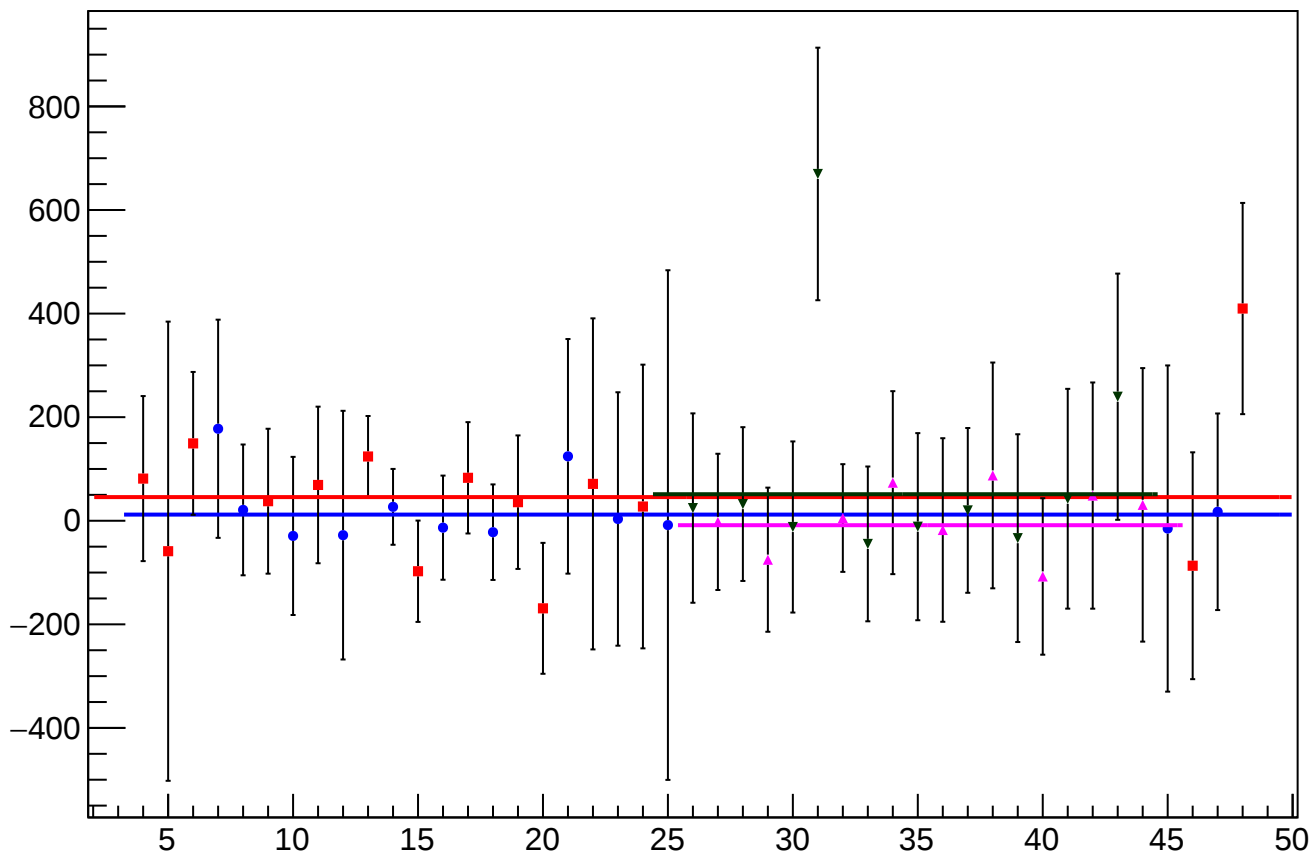
142.501+/-0.030 χ^2/NDF : 3388880.1/21

Right Out: 144.448+/-0.043 χ^2/NDF : 3503482.3/13

129.700+/-0.028 χ^2/NDF : 4073489.9/22

Left In: 119.305+/-0.036 χ^2/NDF :373767.5/8

asym_bcm_an_ds3_mean vs slug



Right In: 11.894 ± 39.945 $\chi^2/\text{NDF}: 1.2/11$

Left Out: 51.240 ± 56.939 $\chi^2/\text{NDF}: 8.0/9$

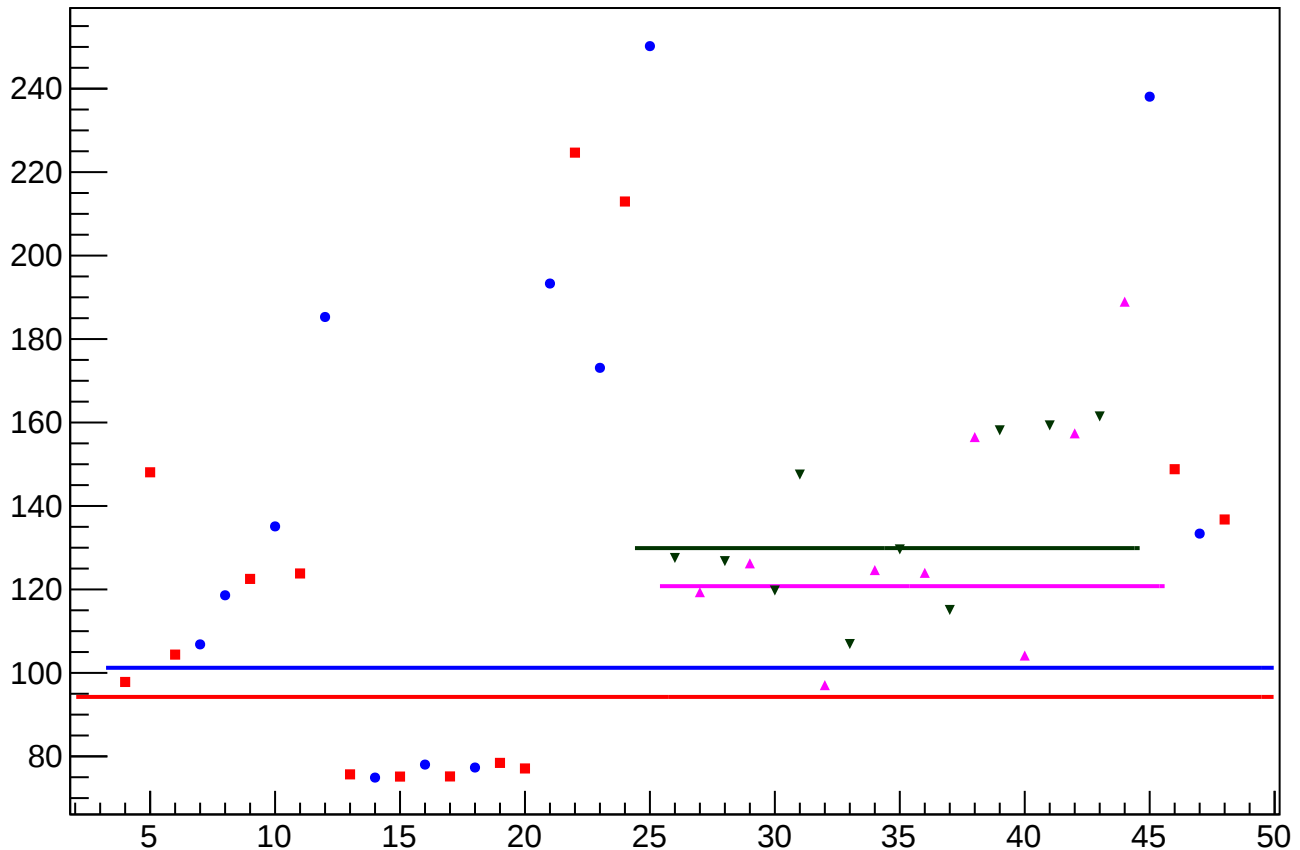
Right Out: 45.683 ± 36.826 $\chi^2/\text{NDF}: 10.4/13$

Left In: -8.590 ± 52.268 $\chi^2/\text{NDF}: 1.2/8$

24.872 ± 32.700 $\chi^2/\text{NDF}: 9.5/21$

27.679 ± 30.104 $\chi^2/\text{NDF}: 12.3/22$

asym_bcm_an_ds3_rms vs slug



Right In: 101.225+/-0.028 χ^2/NDF : 2003712.2/11

Left Out: 129.904+/-0.040 χ^2/NDF :197170.8/9

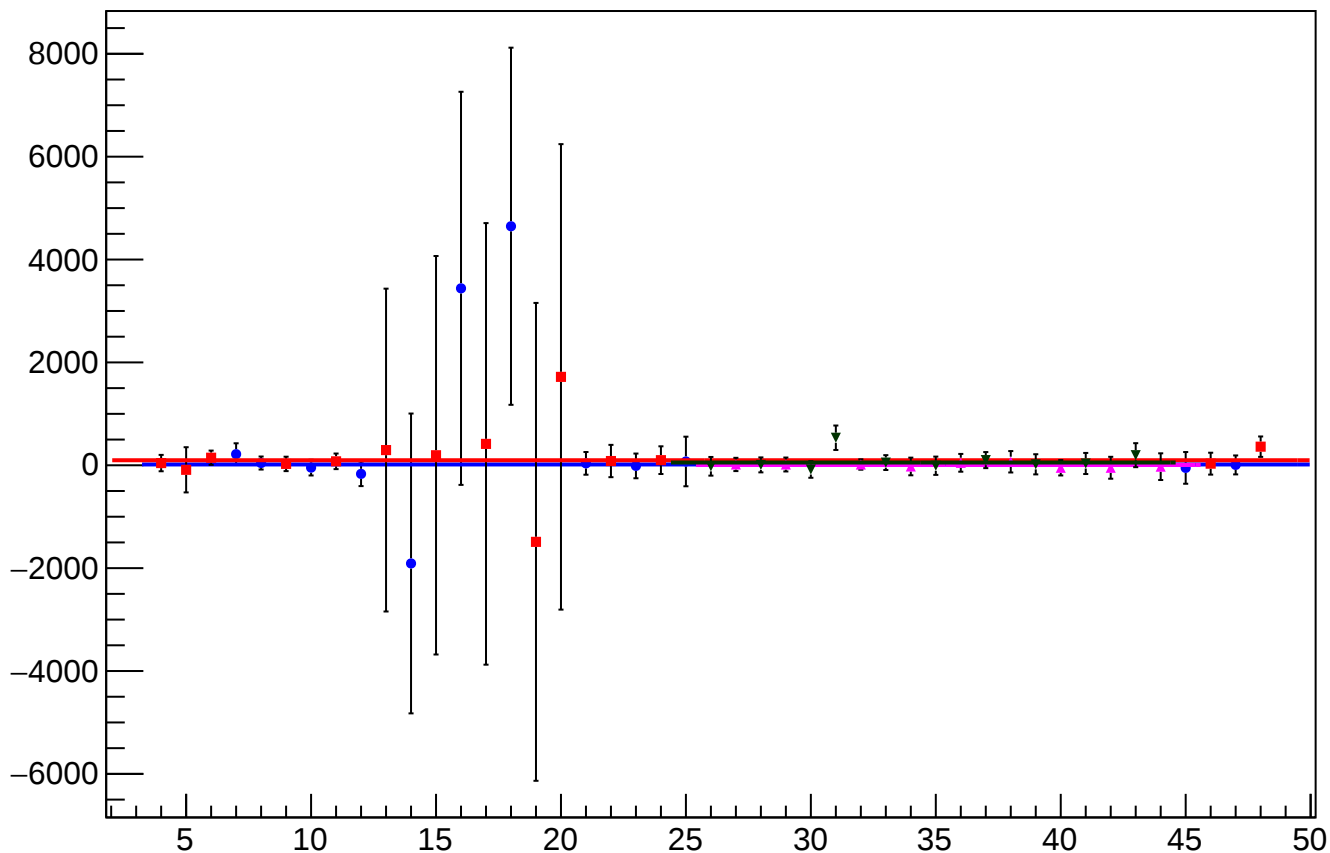
Right Out: 94.245+/-0.026 χ^2/NDF : 1438126.3/13

Left In: 120.786+/-0.037 χ^2/NDF :376487.8/8

110.684+/-0.023 χ^2/NDF : 2540902.5/21

103.050+/-0.021 χ^2/NDF : 2159233.6/22

asym_bcm_an_us_mean vs slug



Right In: 15.801+/-66.249 χ^2/NDF : 4.8/11

Left Out: 53.832+/-55.648 χ^2/NDF : 5.7/9

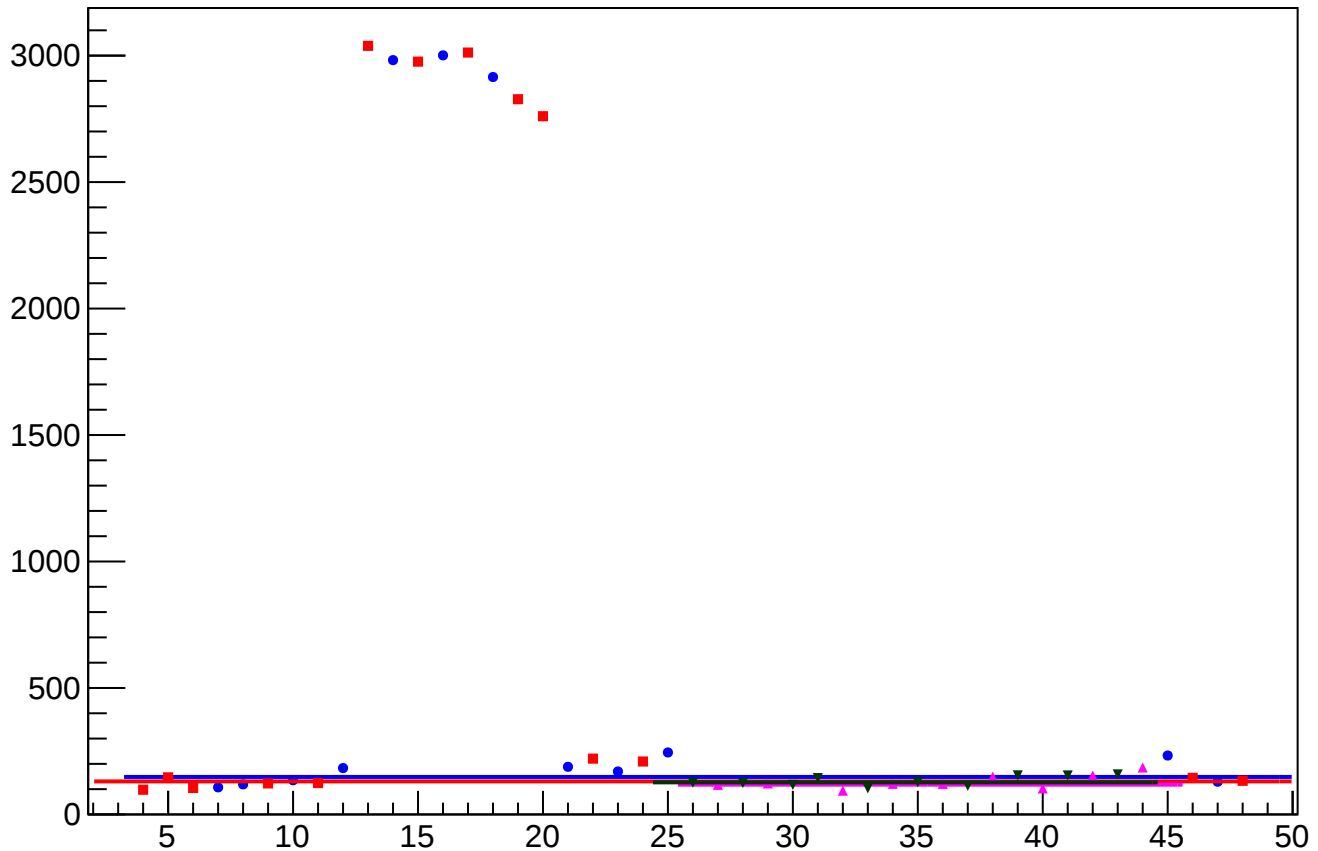
Right Out: 98.013+/-61.652 χ^2/NDF : 2.8/13

Left In: 5.189+/-50.929 χ^2/NDF : 0.4/8

38.099+/-42.610 χ^2/NDF : 10.7/21

42.840+/-39.265 χ^2/NDF : 4.6/22

asym_bcm_an_us_rms vs slug



Right In: 148.349+/-0.047 χ^2/NDF : 4851799.8/11

Left Out: 126.861+/-0.039 χ^2/NDF : 201202.8/9

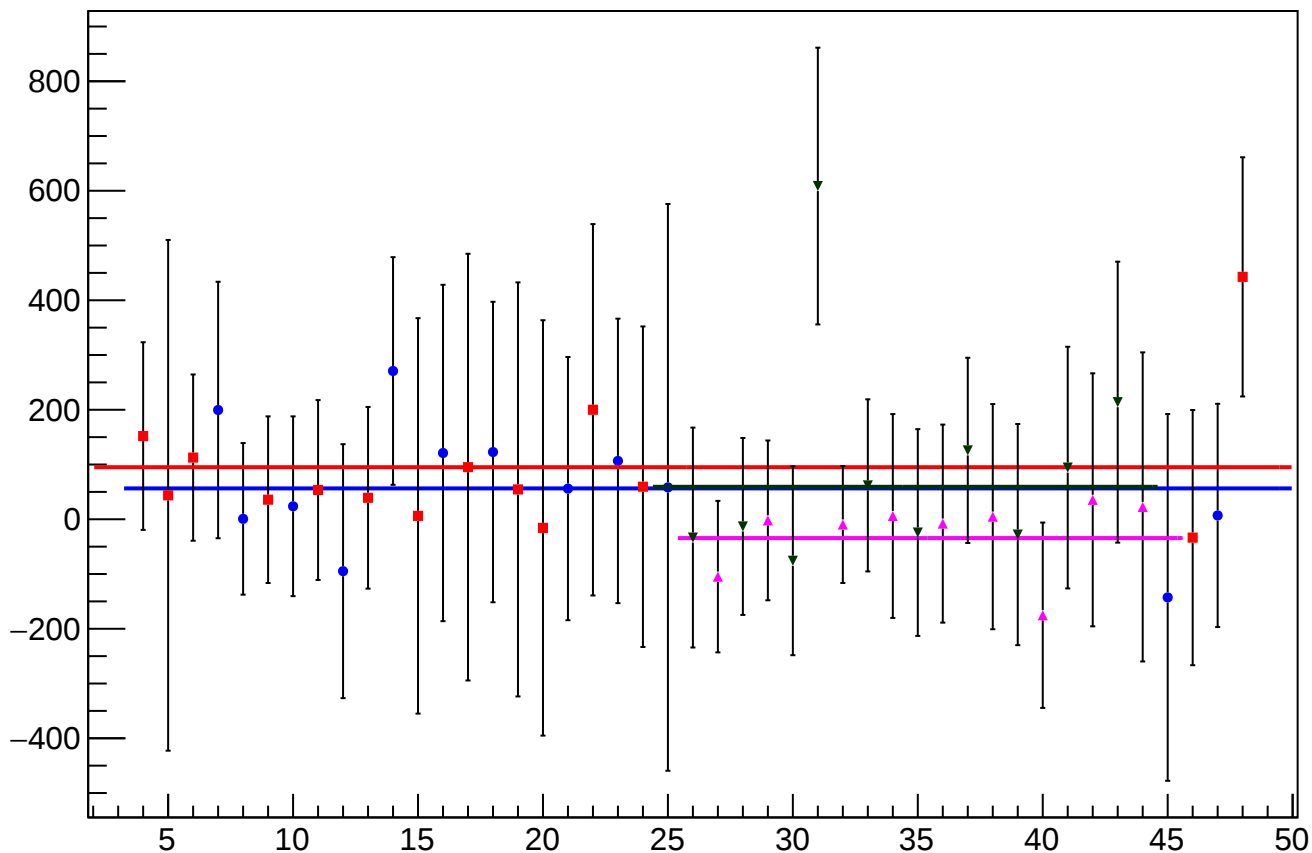
Right Out: 130.662+/-0.044 χ^2/NDF : 5559936.1/13

Left In: 117.710+/-0.036 χ^2/NDF : 374948.7/8

135.750+/-0.030 χ^2/NDF : 5176363.5/21

122.964+/-0.028 χ^2/NDF : 5987356.9/22

asym_bcm_dg_us_mean vs slug



Right In: 56.369 $\pm$ 64.292 χ^2/NDF : 2.6/11

Left Out: 59.318 $\pm$ 60.188 χ^2/NDF : 6.7/9

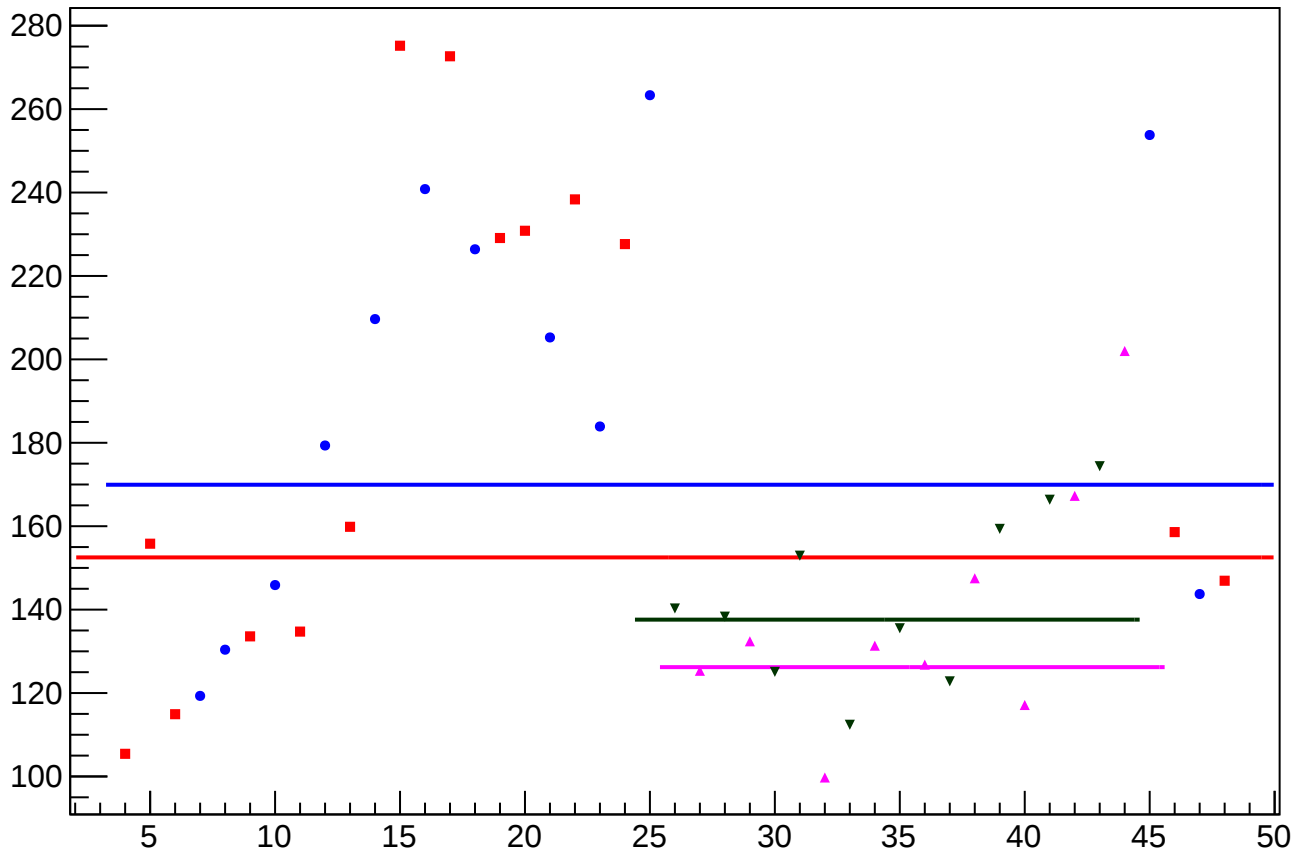
Right Out: 95.114 $\pm$ 59.076 χ^2/NDF : 3.6/13

Left In: -34.328 $\pm$ 54.542 χ^2/NDF : 1.3/8

57.941 $\pm$ 43.939 χ^2/NDF : 9.3/21

25.237 $\pm$ 40.074 χ^2/NDF : 7.5/22

asym_bcm_dg_us_rms vs slug



Right In: 169.943+/-0.045 χ^2/NDF : 839383.7/11

Left Out: 137.600+/-0.043 χ^2/NDF :183507.0/9

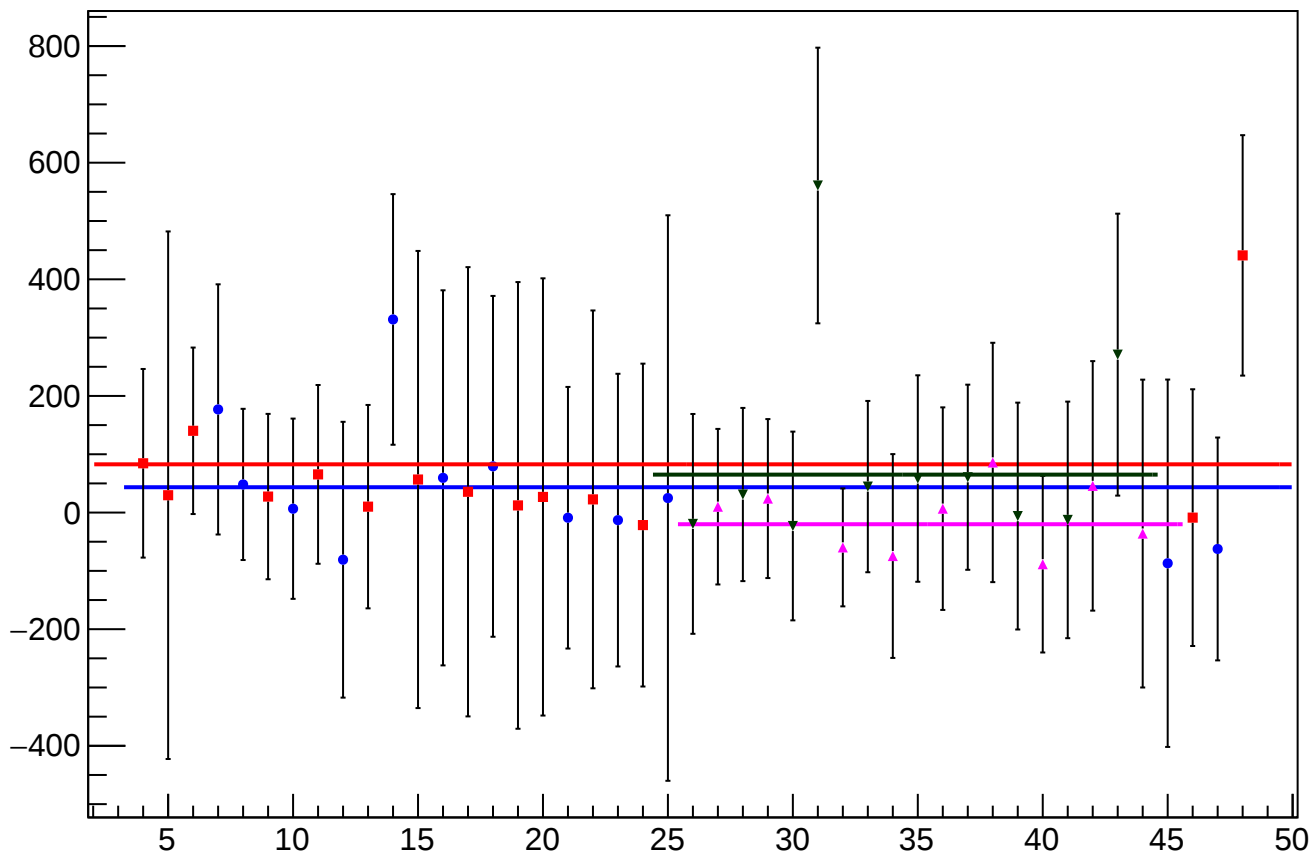
152.706+/-0.031 χ^2/NDF : 1292627.5/21

Right Out: 152.519+/-0.042 χ^2/NDF : 1182698.0/13

138.317+/-0.028 χ^2/NDF : 1759417.2/22

Left In: 126.212+/-0.039 χ^2/NDF :362614.3/8

asym_bcm_dg_ds_mean vs slug



Right In: 43.447 $\pm$ 61.844 χ^2 /NDF: 3.1/11

Left Out: 65.067 $\pm$ 56.313 χ^2 /NDF: 6.0/9

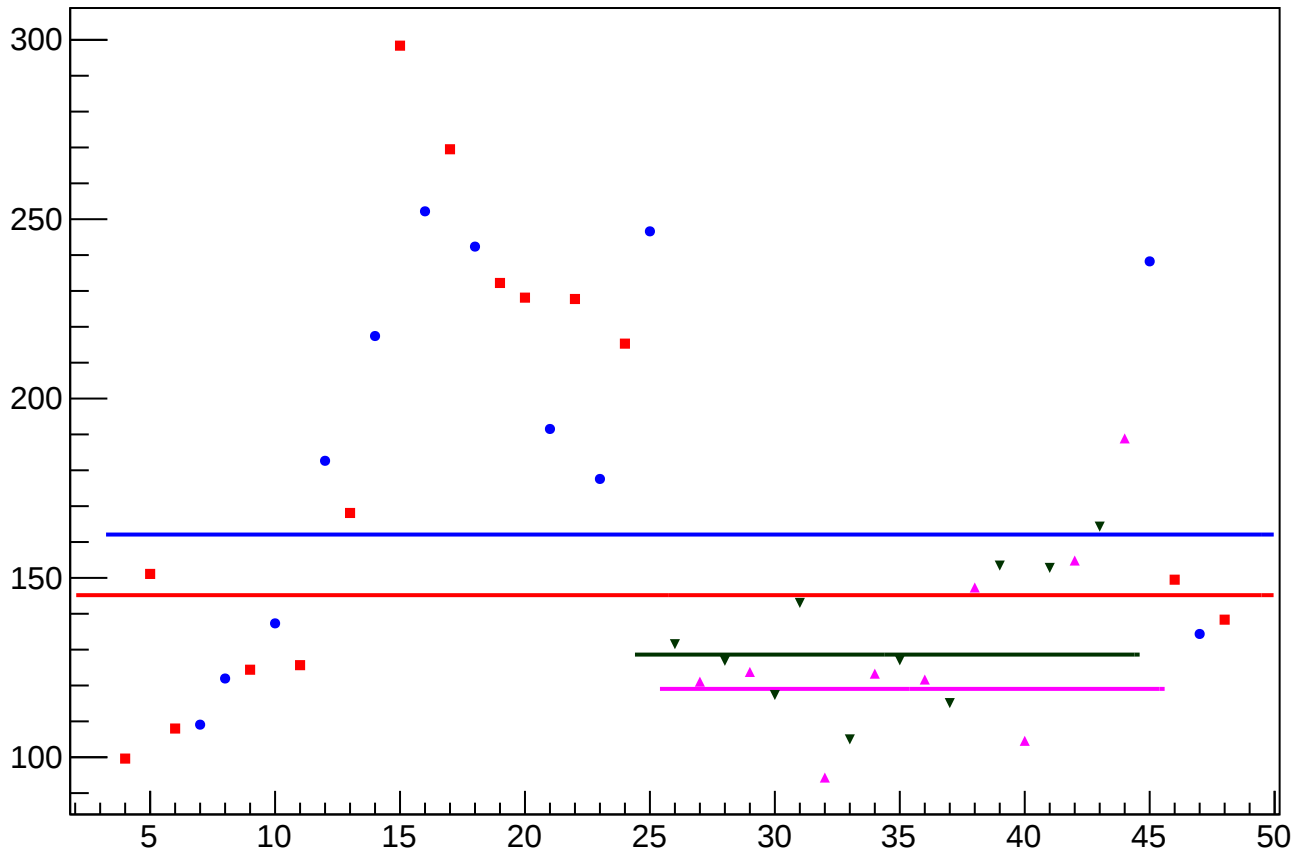
Right Out: 82.746 $\pm$ 56.680 χ^2 /NDF: 4.0/13

Left In: -19.993 $\pm$ 51.483 χ^2 /NDF: 1.0/8

55.267 $\pm$ 41.637 χ^2 /NDF: 9.2/21

26.451 $\pm$ 38.109 χ^2 /NDF: 6.8/22

asym_bcm_dg_ds_rms vs slug



Right In: 162.086+/-0.044 χ^2/NDF : 1082608.2/11

Left Out: 128.616+/-0.040 χ^2/NDF :188850.5/9

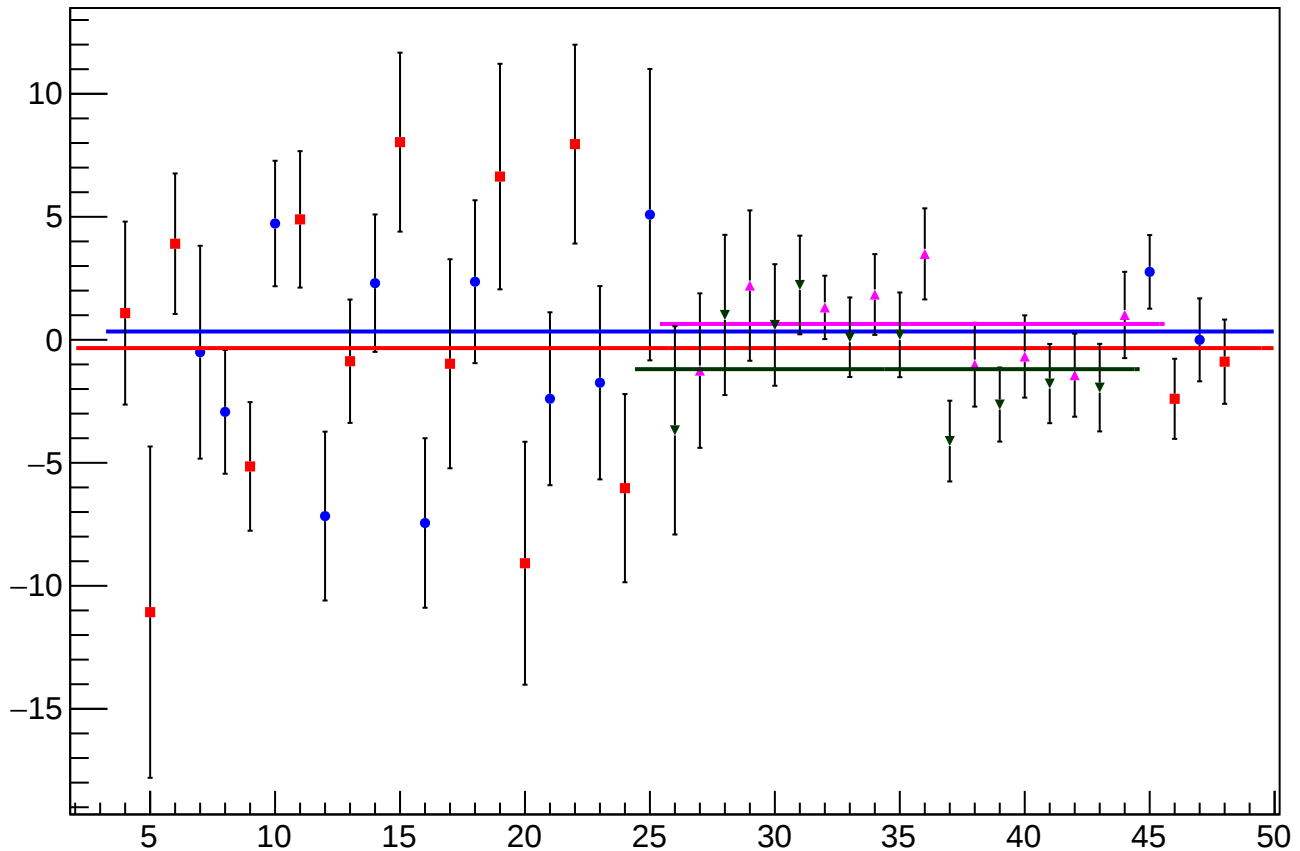
143.788+/-0.029 χ^2/NDF : 1591714.1/21

Right Out: 145.186+/-0.040 χ^2/NDF : 1380815.2/13

130.867+/-0.027 χ^2/NDF : 1989962.8/22

Left In: 119.054+/-0.036 χ^2/NDF :376220.0/8

asym_cav4bQ_mean vs slug



Right In: 0.338 ± 0.761 $\chi^2/\text{NDF}: 19.6/11$

Left Out: -1.193 ± 0.598 $\chi^2/\text{NDF}: 9.9/9$

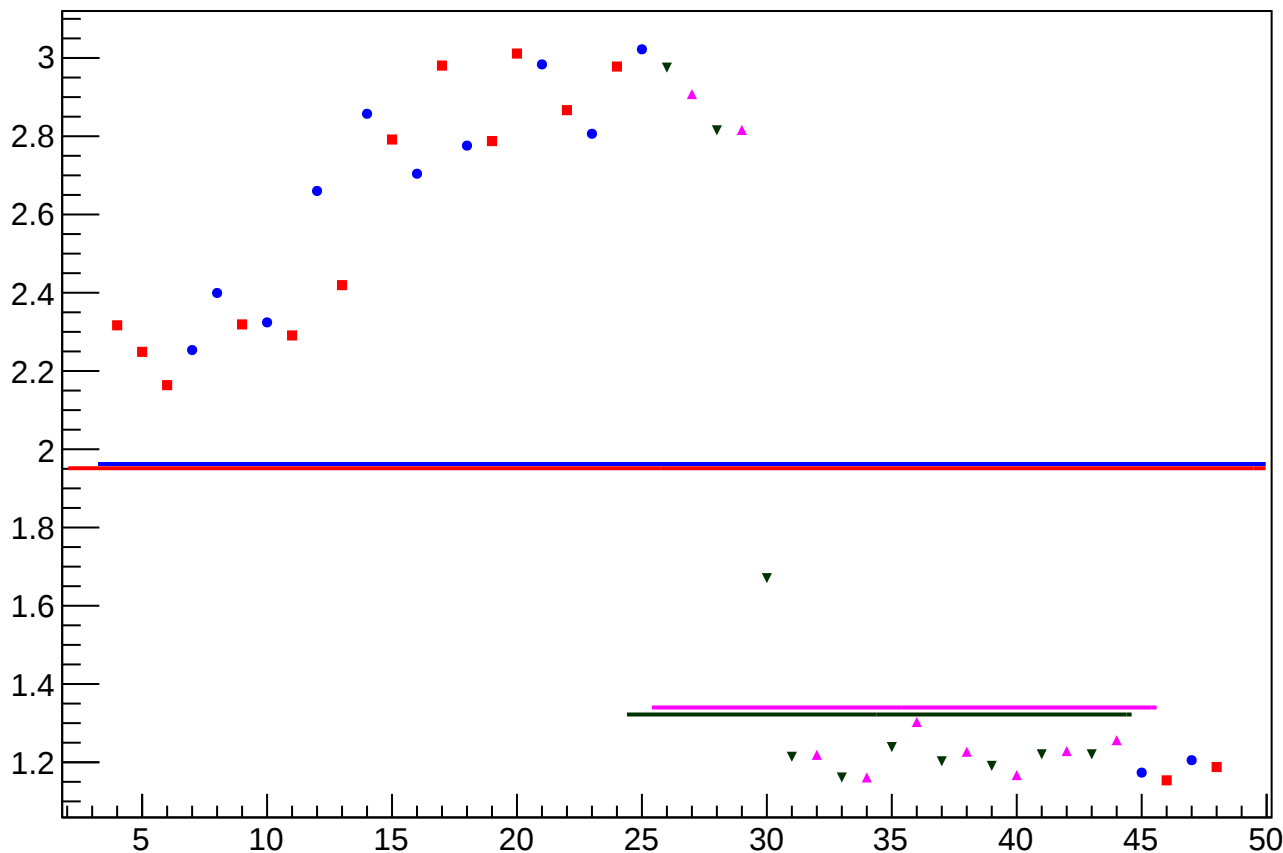
Right Out: -0.336 ± 0.763 $\chi^2/\text{NDF}: 30.8/13$

Left In: 0.645 ± 0.592 $\chi^2/\text{NDF}: 6.9/8$

-0.608 ± 0.470 $\chi^2/\text{NDF}: 32.1/21$

0.276 ± 0.468 $\chi^2/\text{NDF}: 38.8/22$

asym_cav4bQ_rms vs slug



Right In: 1.962+/-0.001 χ^2/NDF : 1895818.9/11

Left Out: 1.322+/-0.000 χ^2/NDF : 835682.2/9

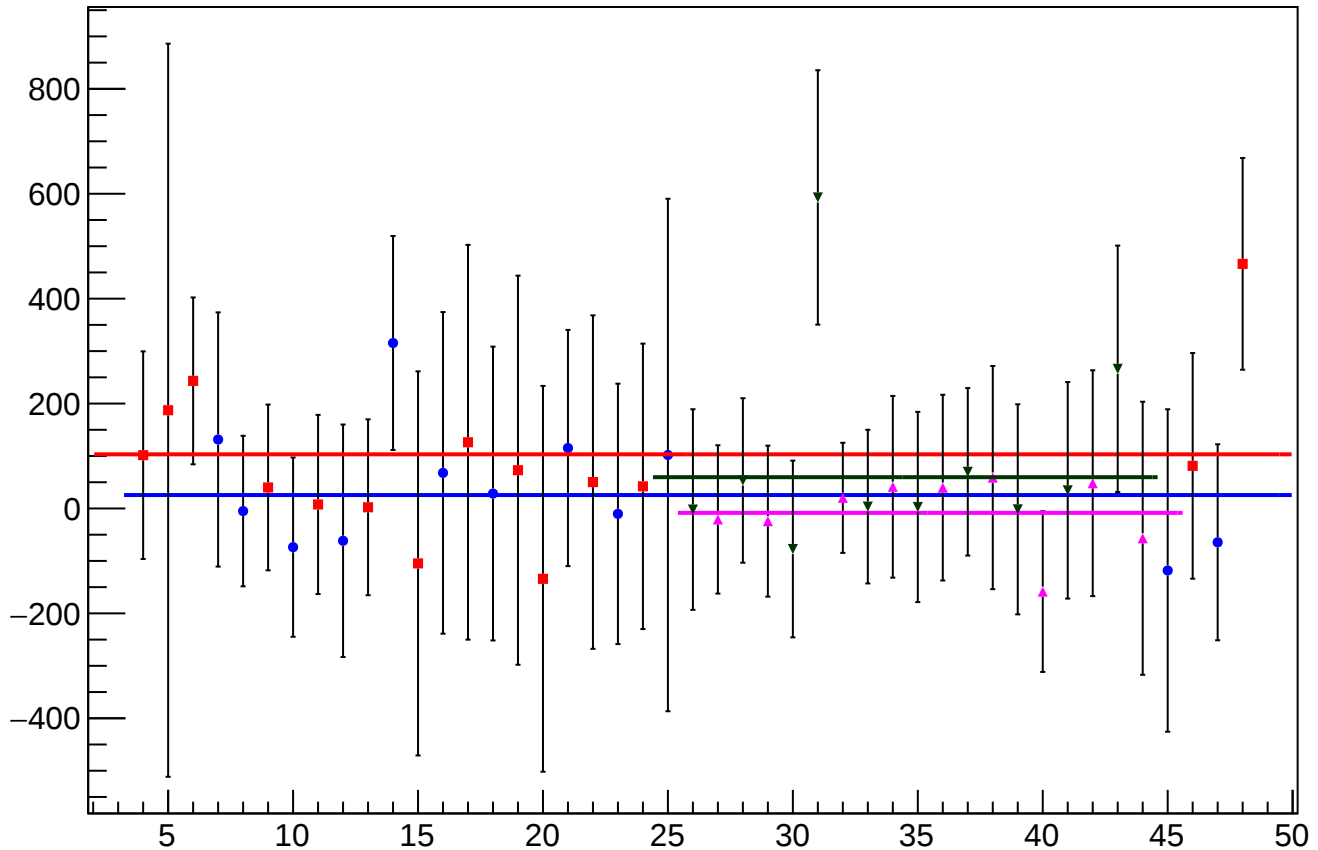
Right Out: 1.951+/-0.001 χ^2/NDF : 1680585.3/13

Left In: 1.340+/-0.000 χ^2/NDF : 1050714.6/8

1.567+/-0.000 χ^2/NDF : 3606381.9/21

1.570+/-0.000 χ^2/NDF : 3533717.6/22

asym_cav4cQ_mean vs slug



Right In: 25.600 ± 63.626 χ^2/NDF : 3.4/11

Left Out: 59.618 ± 57.448 χ^2/NDF : 6.7/9

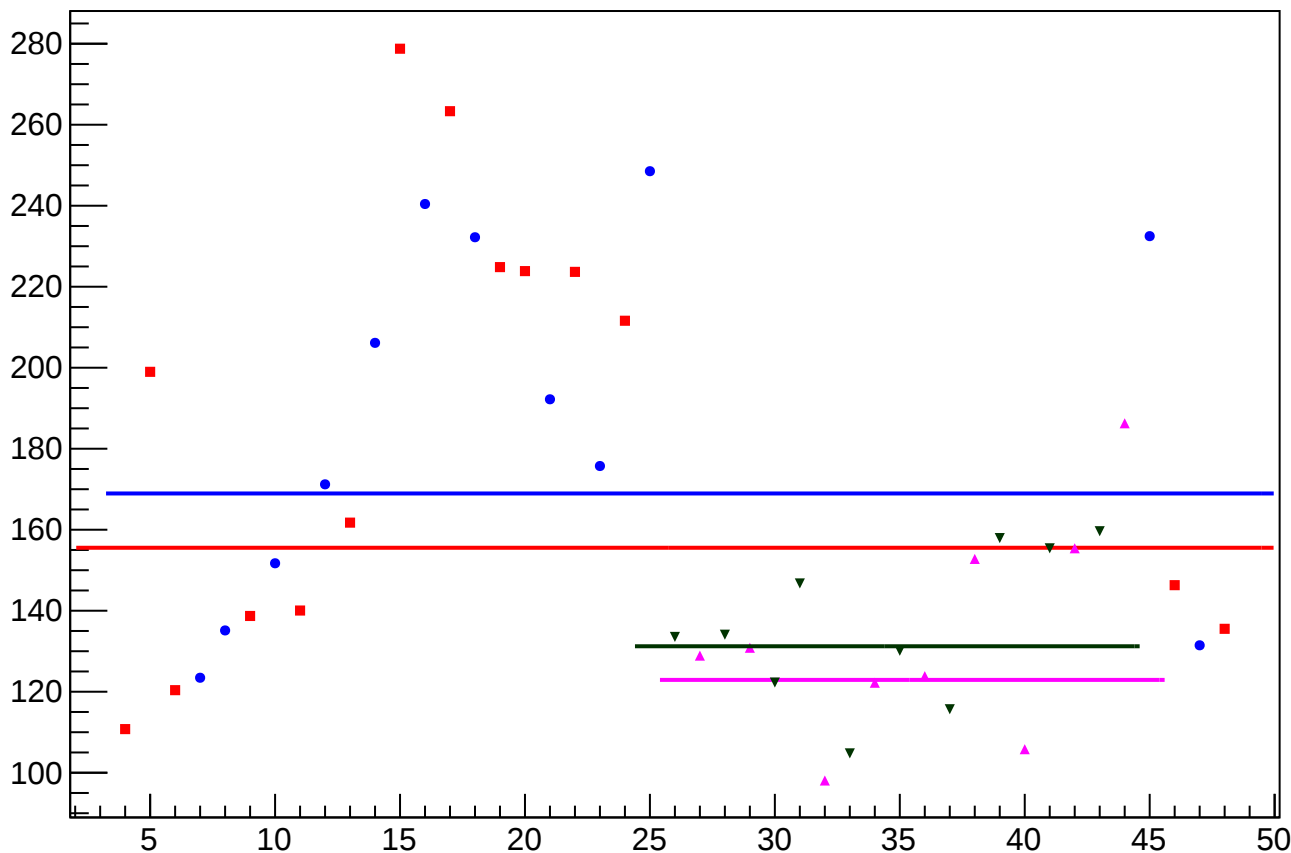
Right Out: 103.205 ± 60.221 χ^2/NDF : 5.7/13

Left In: -8.384 ± 53.045 χ^2/NDF : 1.4/8

44.340 ± 42.639 χ^2/NDF : 10.3/21

40.369 ± 39.805 χ^2/NDF : 9.0/22

asym_cav4cQ_rms vs slug



Right In: 168.952 $\pm$ 0.045 χ^2 /NDF: 721284.9/11

Left Out: 131.224 $\pm$ 0.041 χ^2 /NDF:191308.6/9

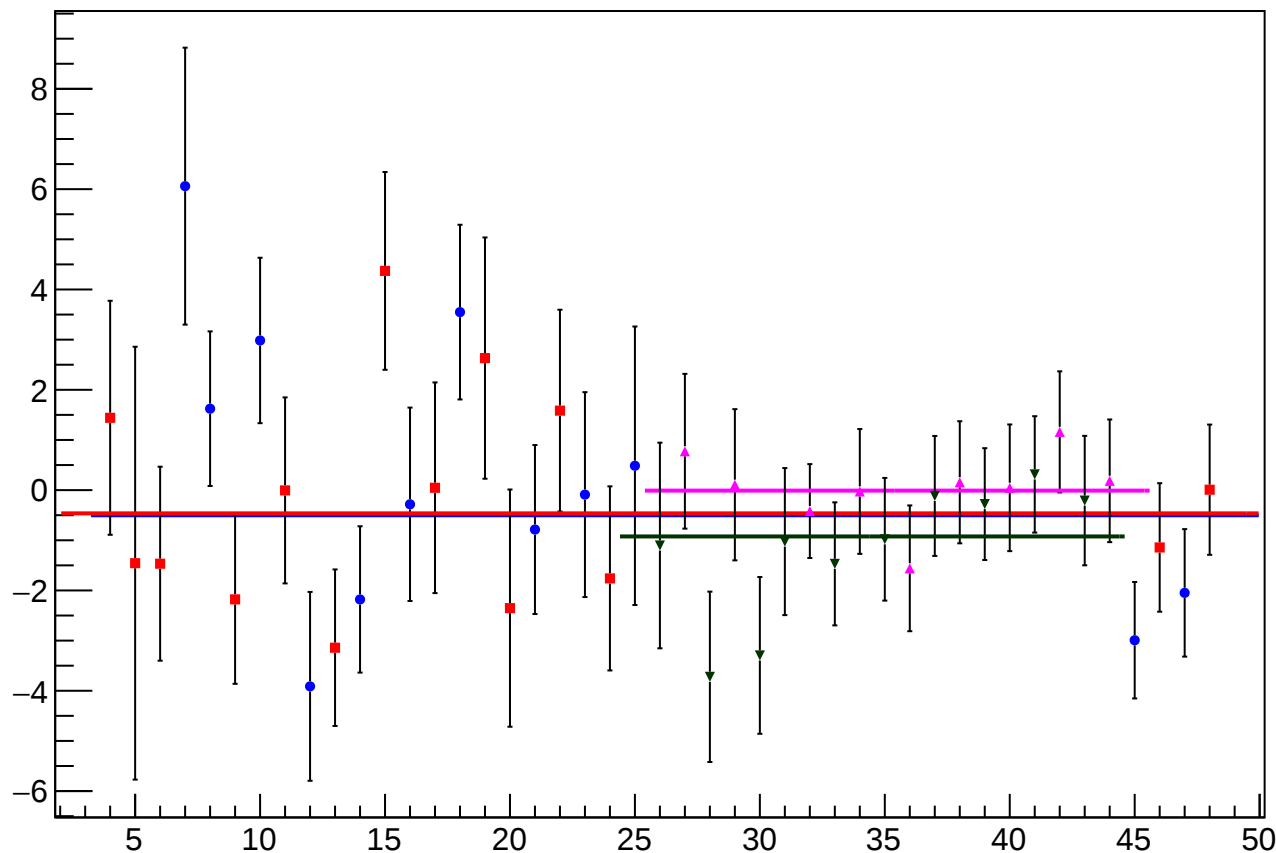
Right Out: 155.547 $\pm$ 0.043 χ^2 /NDF: 979190.3/13

Left In: 122.920 $\pm$ 0.038 χ^2 /NDF:350338.0/8

148.168 $\pm$ 0.030 χ^2 /NDF: 1299984.2/21

137.175 $\pm$ 0.028 χ^2 /NDF: 1660090.8/22

asym_cav4dQ_mean vs slug



Right In: -0.501 ± 0.479 χ^2/NDF : 28.3/11

Left Out: -0.924 ± 0.421 χ^2/NDF : 7.5/9

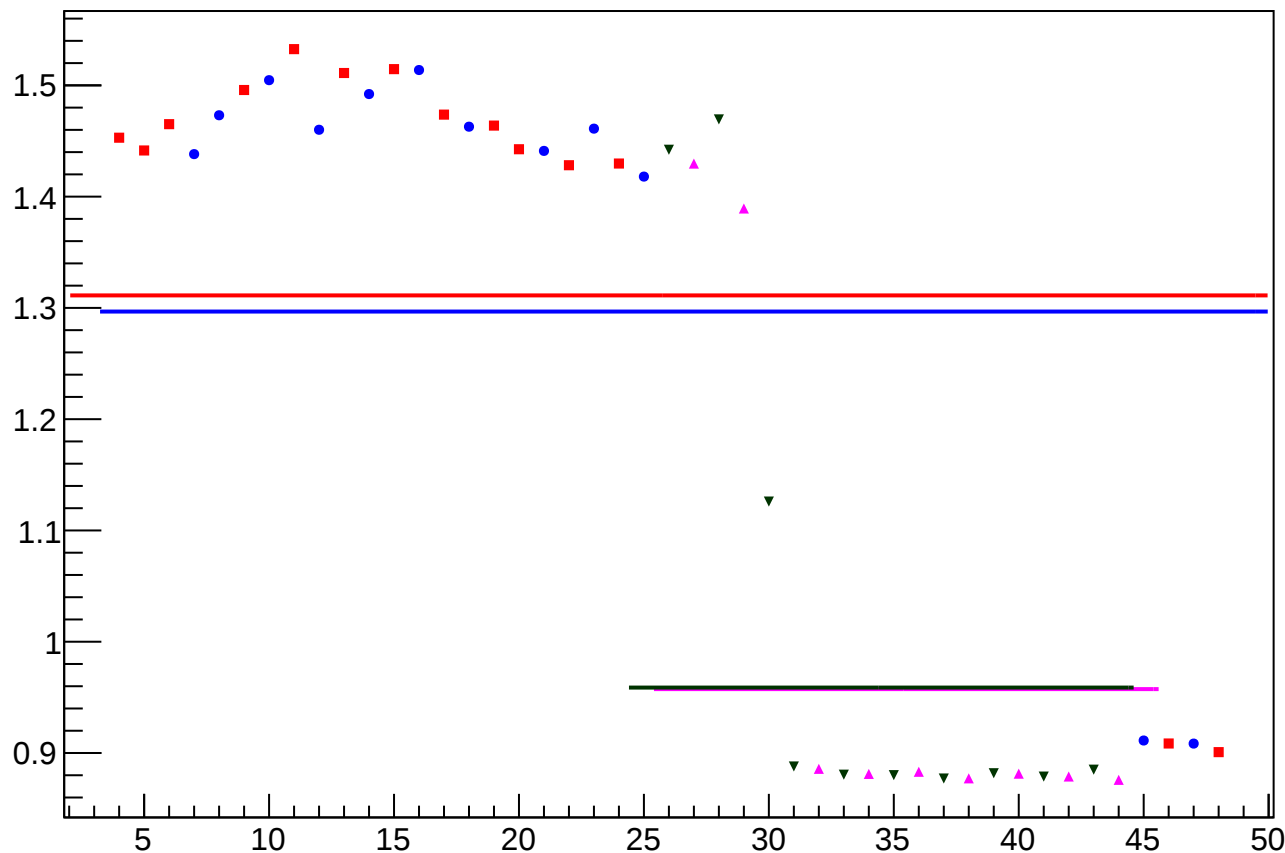
Right Out: -0.463 ± 0.491 χ^2/NDF : 15.3/13

Left In: -0.010 ± 0.410 χ^2/NDF : 3.0/8

-0.740 ± 0.316 χ^2/NDF : 36.2/21

-0.196 ± 0.315 χ^2/NDF : 18.8/22

asym_cav4dQ_rms vs slug



Right In: 1.297+/-0.000 χ^2/NDF : 596535.3/11

Left Out: 0.959+/-0.000 χ^2/NDF : 370902.6/9

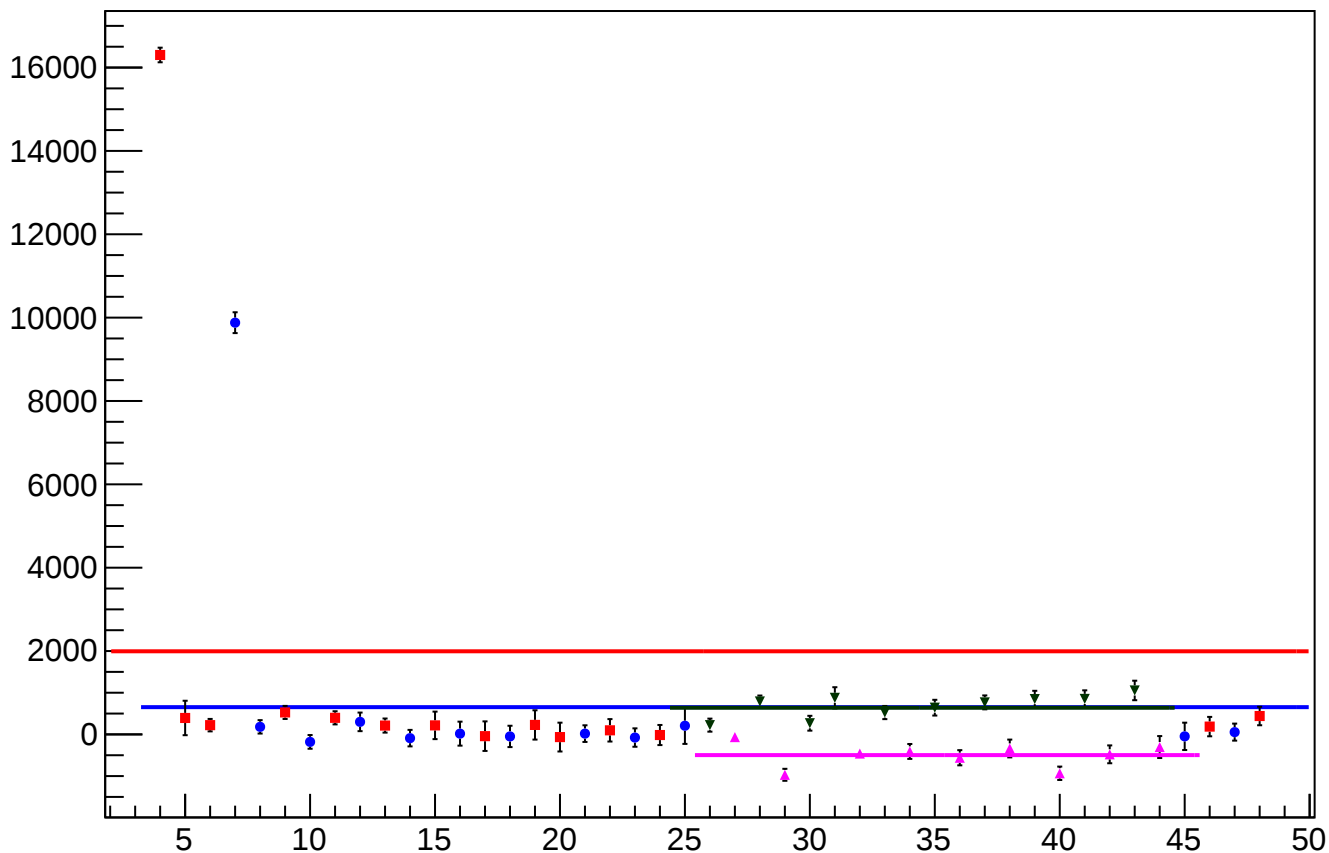
Right Out: 1.311+/-0.000 χ^2/NDF : 567354.8/13

Left In: 0.957+/-0.000 χ^2/NDF : 411162.2/8

1.106+/-0.000 χ^2/NDF : 1528667.0/21

1.103+/-0.000 χ^2/NDF : 1589555.7/22

asym_bcm0l02_mean vs slug



Right In: 653.892+/-63.409 χ^2/NDF : 1460.7/11

Left Out: 640.376+/-56.927 χ^2/NDF :19.9/9

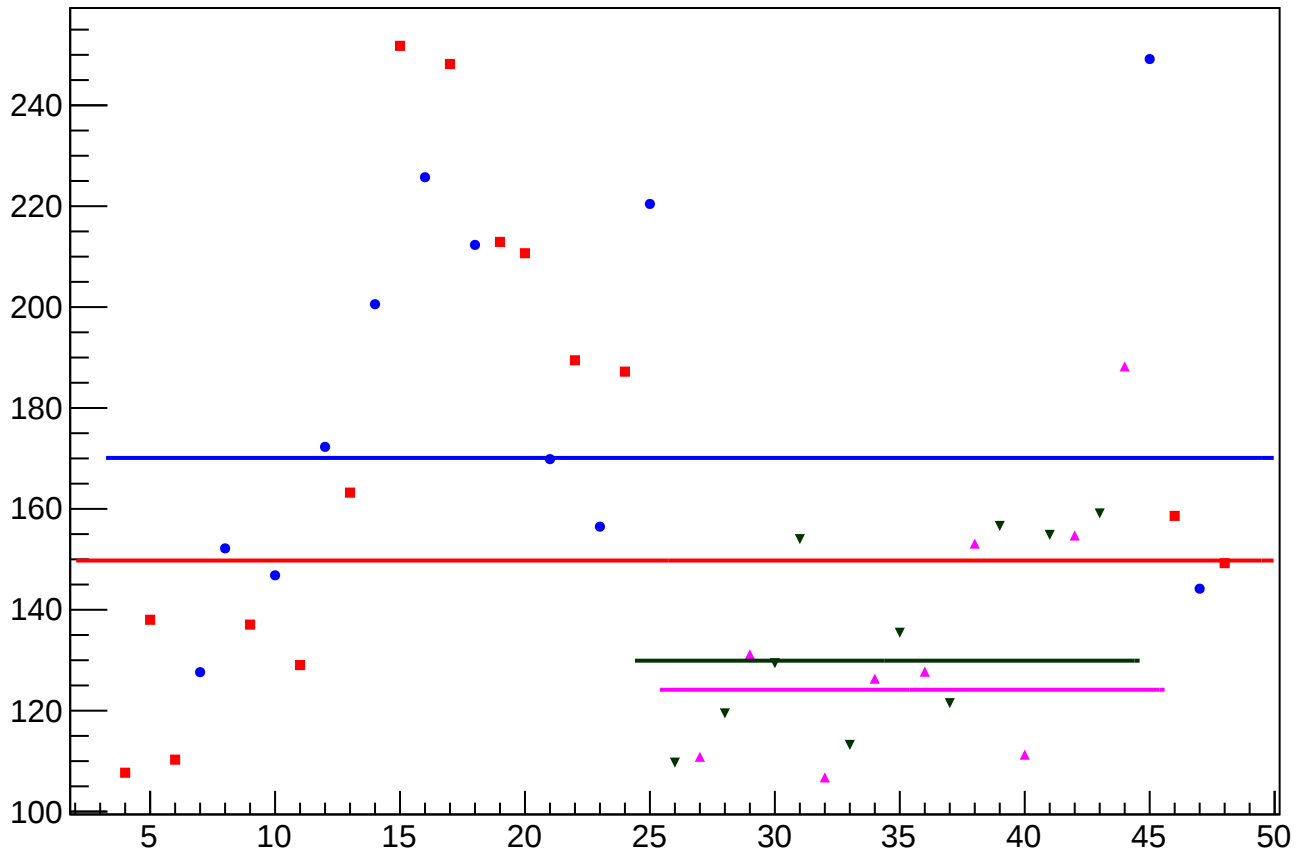
646.408+/-42.360 χ^2/NDF : 1480.7/21

Right Out: 1994.088+/-57.506 χ^2/NDF : 7455.9/13

654.544+/-39.097 χ^2/NDF : 8497.3/22

Left In: -496.812+/-53.314 χ^2/NDF :32.4/8

asym_bcm0l02_rms vs slug



Right In: 170.102 ± 0.045 $\chi^2/\text{NDF}: 482058.1/11$

Left Out: 129.911 ± 0.040 $\chi^2/\text{NDF}: 188039.4/9$

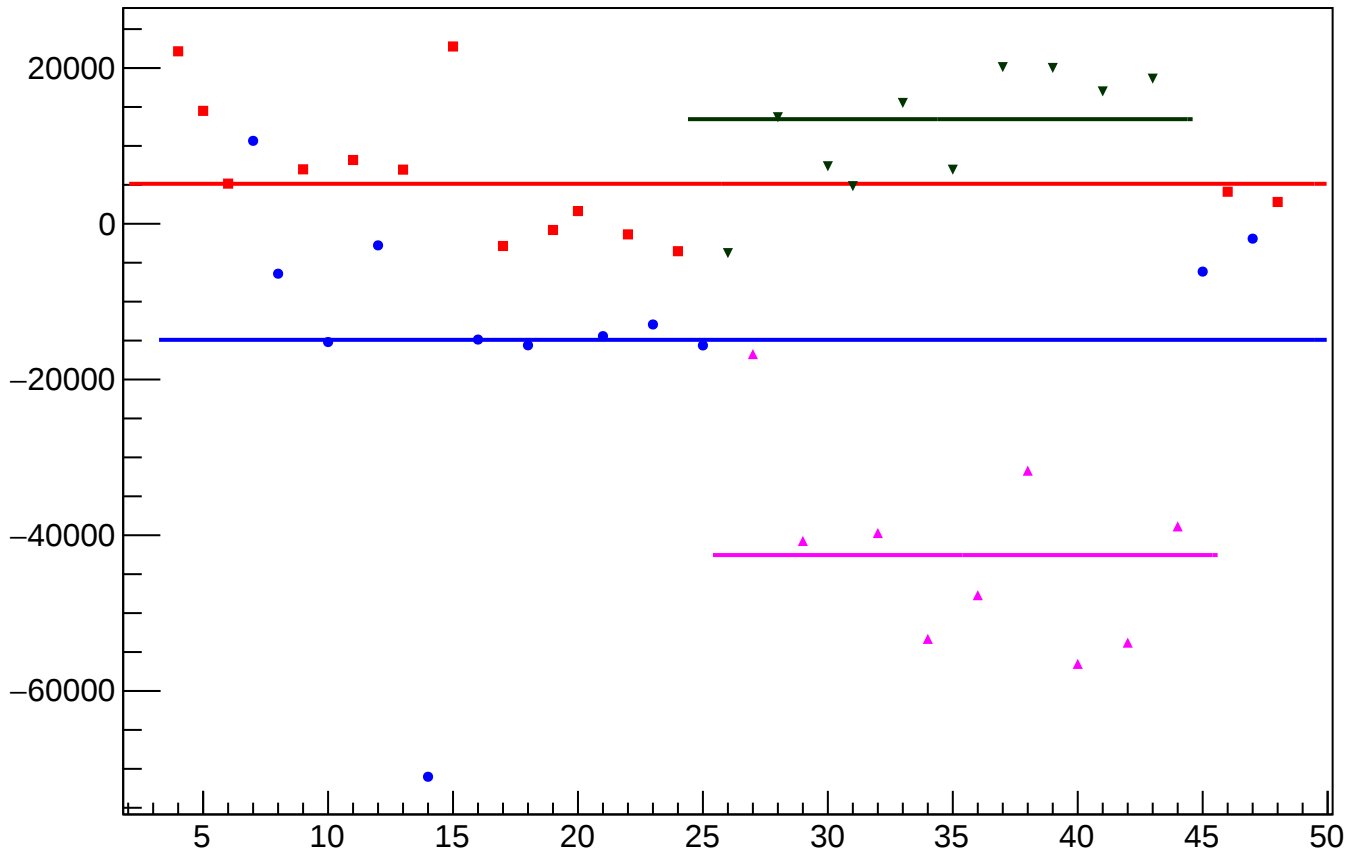
Right Out: 149.763 ± 0.041 $\chi^2/\text{NDF}: 882915.7/13$

Left In: 124.148 ± 0.038 $\chi^2/\text{NDF}: 285531.8/8$

147.848 ± 0.030 $\chi^2/\text{NDF}: 1115012.3/21$

135.988 ± 0.028 $\chi^2/\text{NDF}: 1381843.8/22$

asym_bpm2i01WS_mean vs slug



Right In: -14903.835+/-42.069 χ^2/NDF : 219369.1/11

Left Out: 13435.021+/-42.371 χ^2/NDF : 28229.6/9

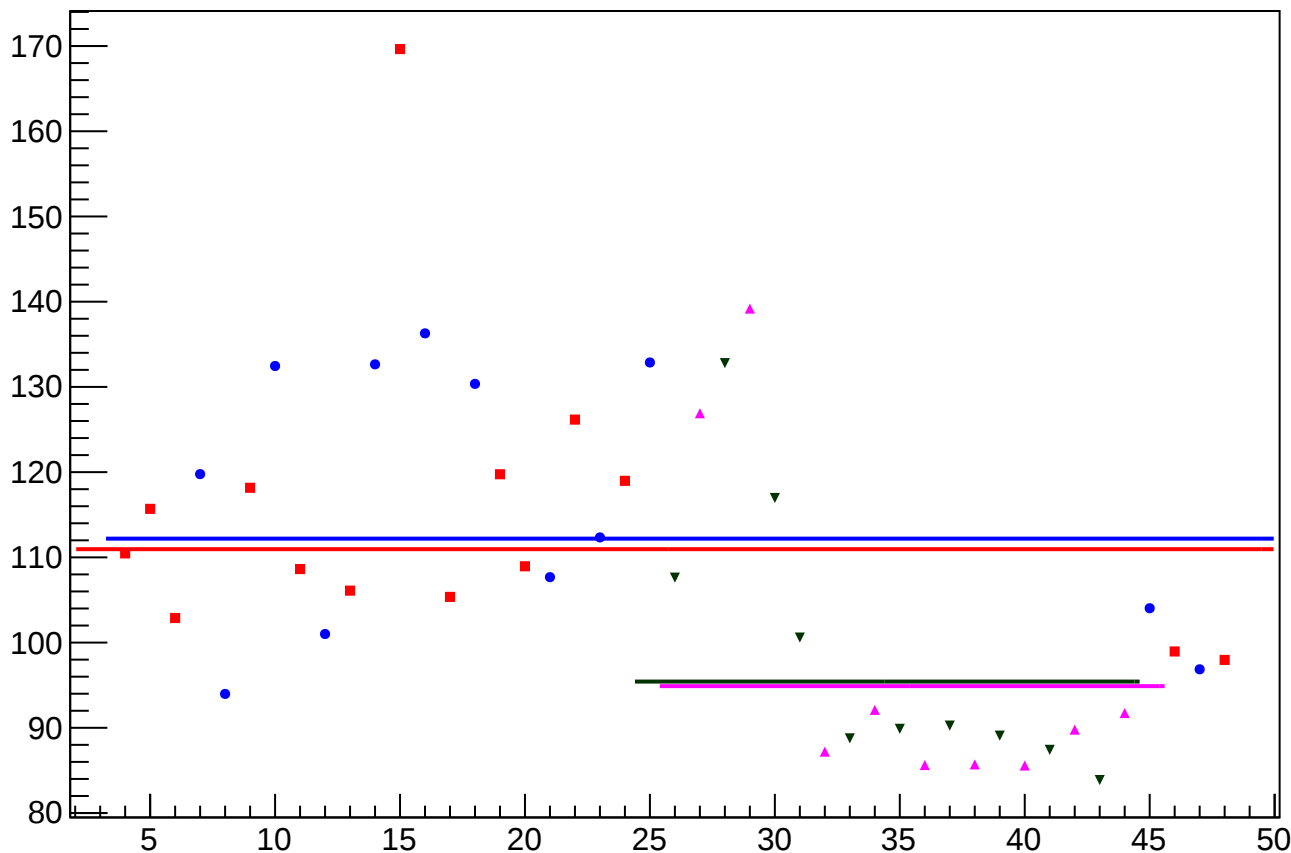
-835.978+/-29.853 χ^2/NDF : 472862.8/21

Right Out: 5134.467+/-42.106 χ^2/NDF : 25034.6/13

-19089.133+/-29.532 χ^2/NDF : 747892.7/22

Left In: -42544.240+/-41.432 χ^2/NDF : 71406.7/8

asym_bpm2i01WS_rms vs slug



Right In: 112.198+/-0.030 χ^2/NDF : 272341.5/11

Left Out: 95.426+/-0.030 χ^2/NDF : 200660.2/9

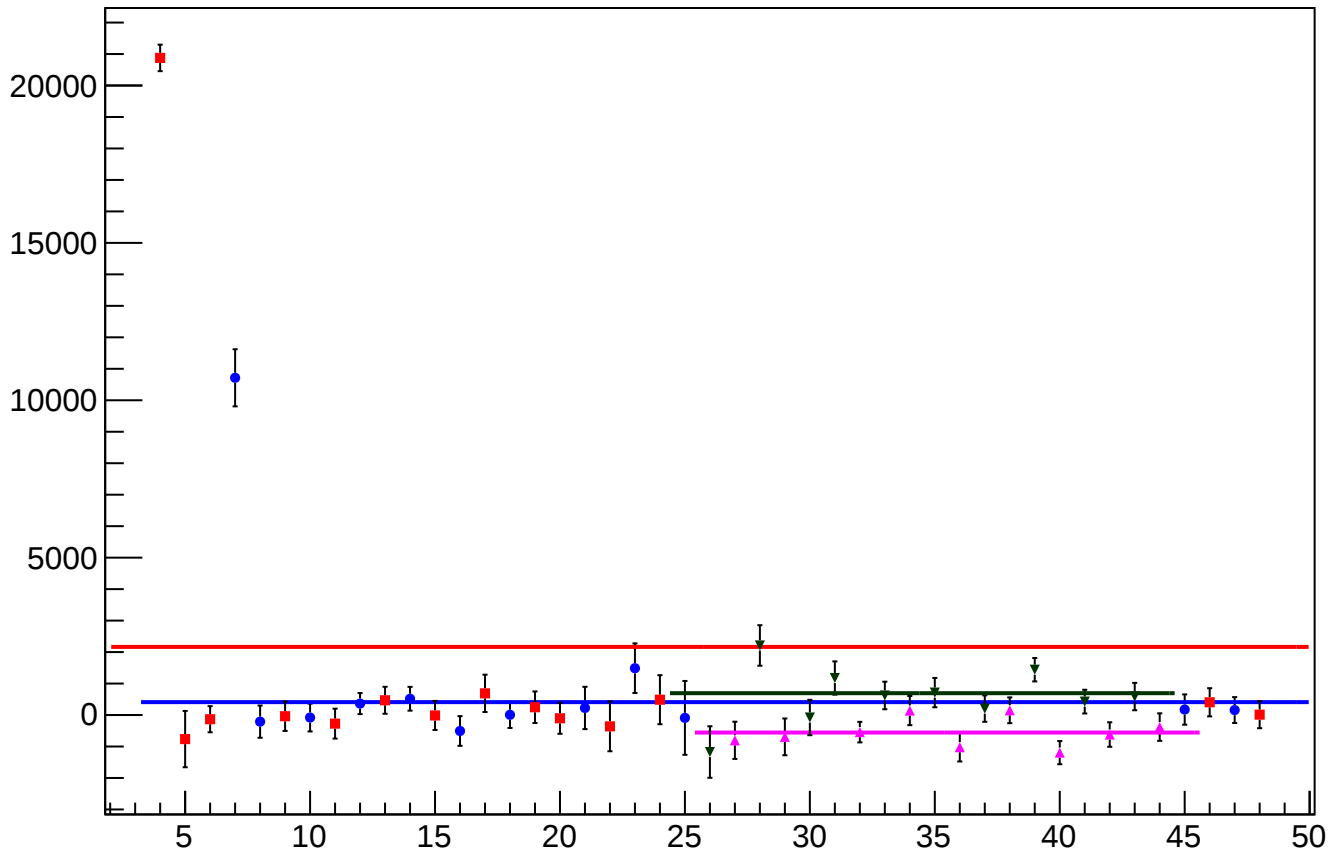
Right Out: 110.960+/-0.030 χ^2/NDF : 200203.7/13

Left In: 94.889+/-0.029 χ^2/NDF : 314634.4/8

103.872+/-0.021 χ^2/NDF : 630811.2/21

102.795+/-0.021 χ^2/NDF : 662873.9/22

asym_bpm0i07WS_mean vs slug



Right In: 409.626+/-139.868 χ^2/NDF : 139.2/11

Left Out: 693.815+/-147.932 χ^2/NDF : 19.5/9

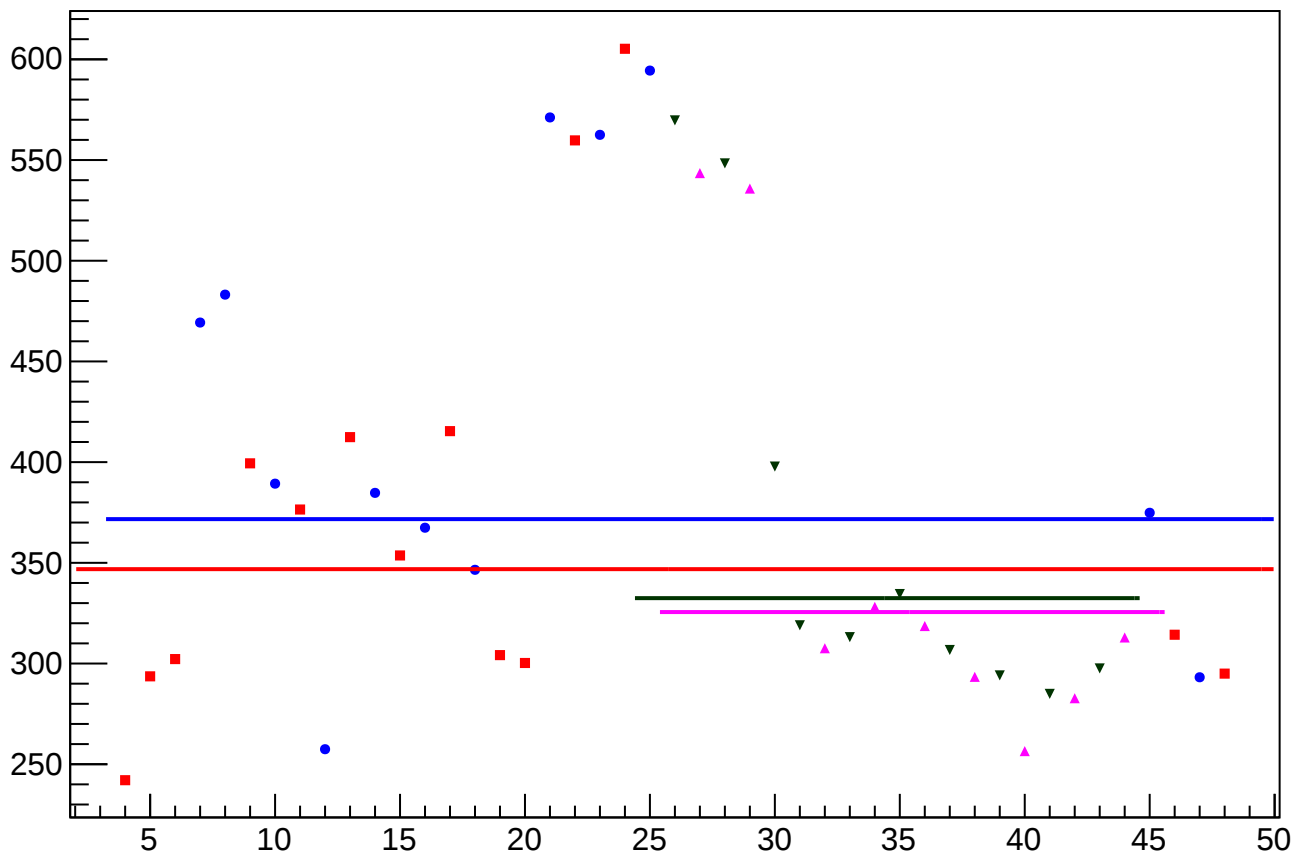
543.764+/-101.633 χ^2/NDF : 160.6/21

Right Out: 2164.250+/-133.099 χ^2/NDF : 2203.7/13

887.881+/-96.979 χ^2/NDF : 2409.5/22

Left In: -556.564+/-141.592 χ^2/NDF : 9.7/8

asym_bpm0i07WS_rms vs slug



Right In: 371.700 $\pm$ 0.099 χ^2 /NDF: 803126.8/11

Left Out: 332.466 $\pm$ 0.105 χ^2 /NDF: 498518.7/9

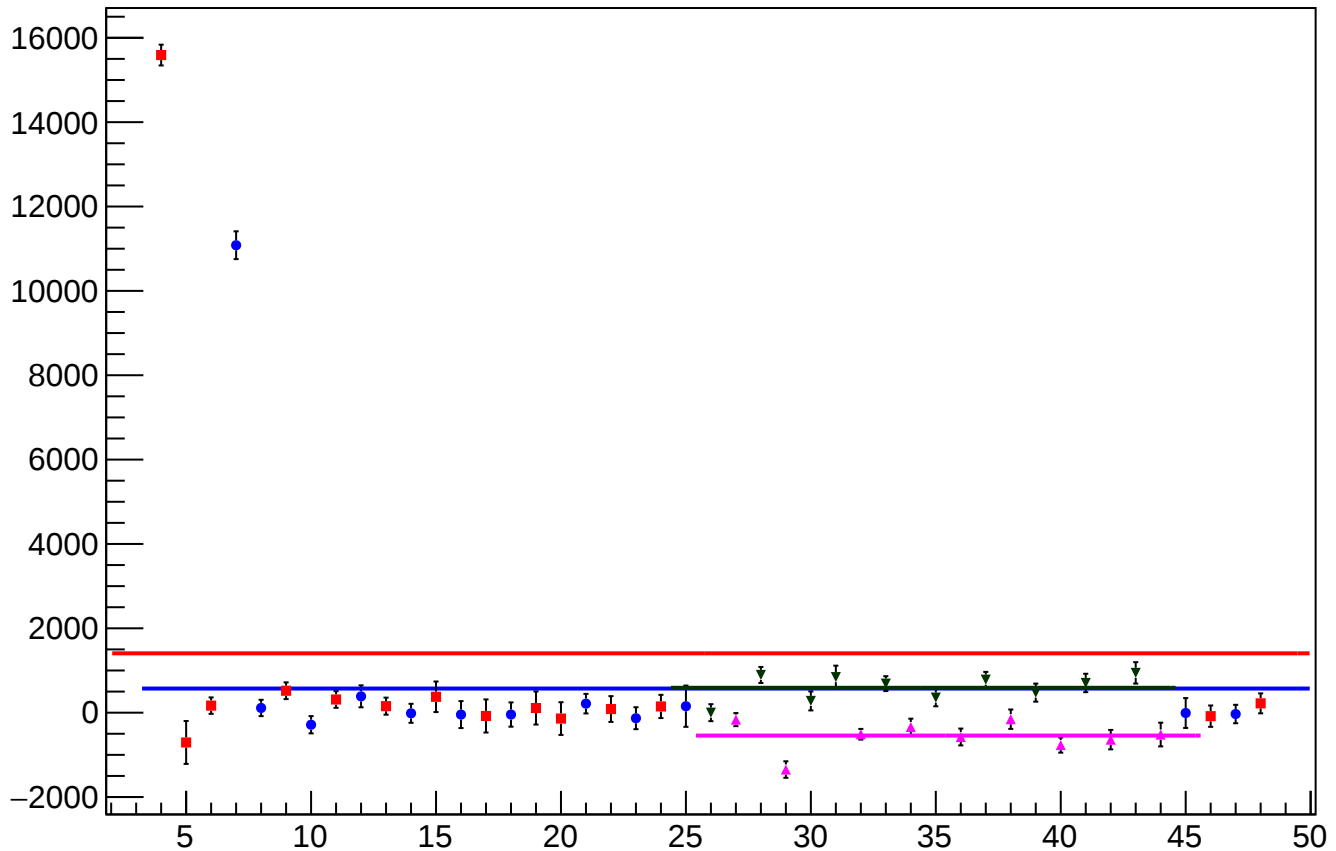
Right Out: 346.862 $\pm$ 0.094 χ^2 /NDF: 698139.6/13

Left In: 325.557 $\pm$ 0.100 χ^2 /NDF: 646591.2/8

353.181 $\pm$ 0.072 χ^2 /NDF: 1375924.2/21

336.867 $\pm$ 0.069 χ^2 /NDF: 1368769.4/22

asym_bpm0l01WS_mean vs slug



Right In: 572.106 ± 73.989 χ^2/NDF : 1076.2/11

Left Out: 581.891 ± 49.276 χ^2/NDF : 1095.4/21

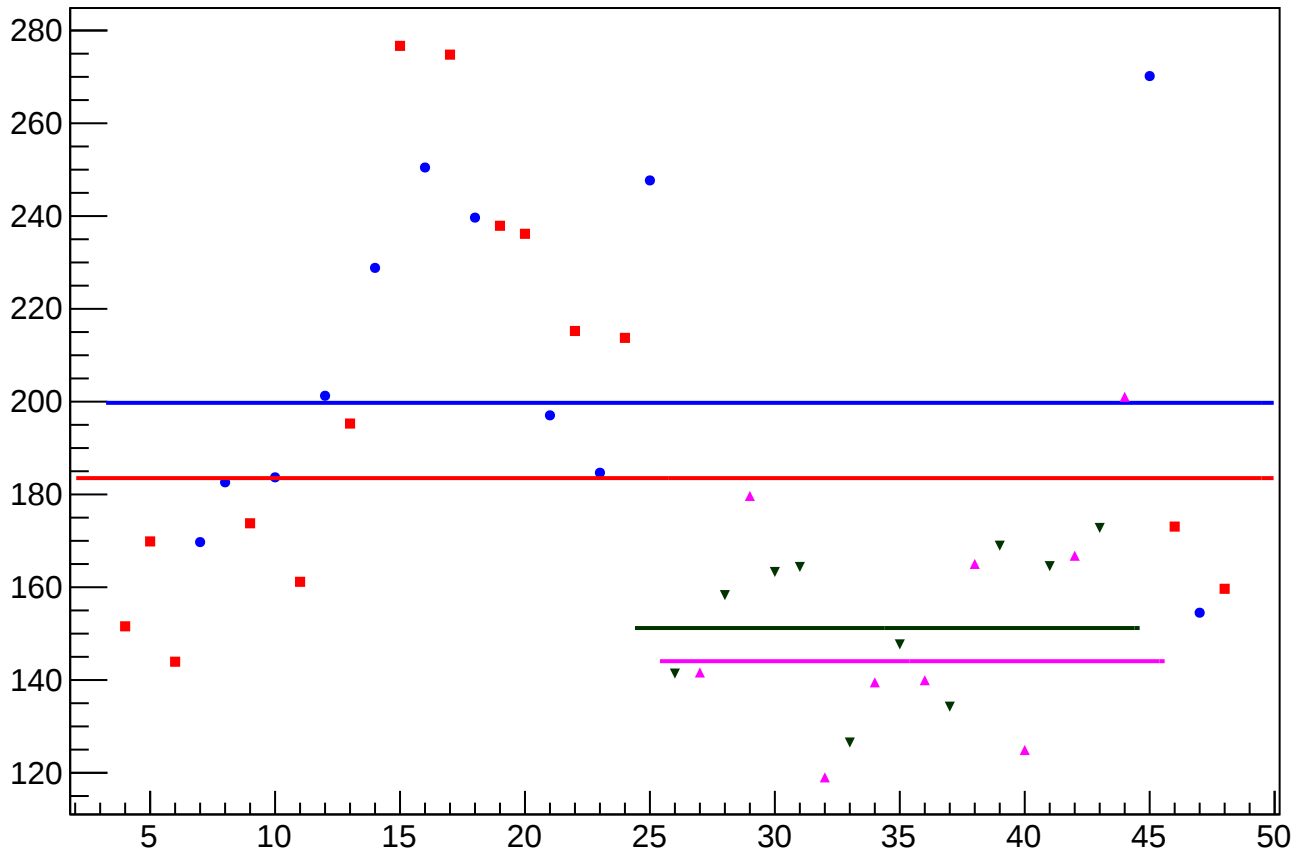
Right Out: 1407.023 ± 69.506 χ^2/NDF : 3609.8/13

Left In: -542.908 ± 61.747 χ^2/NDF : 28.6/8

Left Out: 589.690 ± 66.057 χ^2/NDF : 19.1/9

Right In: 572.106 ± 73.989 χ^2/NDF : 1076.2/11

asym_bpm0l01WS_rms vs slug



Right In: 199.746+/-0.052 χ^2/NDF : 358114.4/11

Left Out: 151.207+/-0.047 χ^2/NDF : 110209.2/9

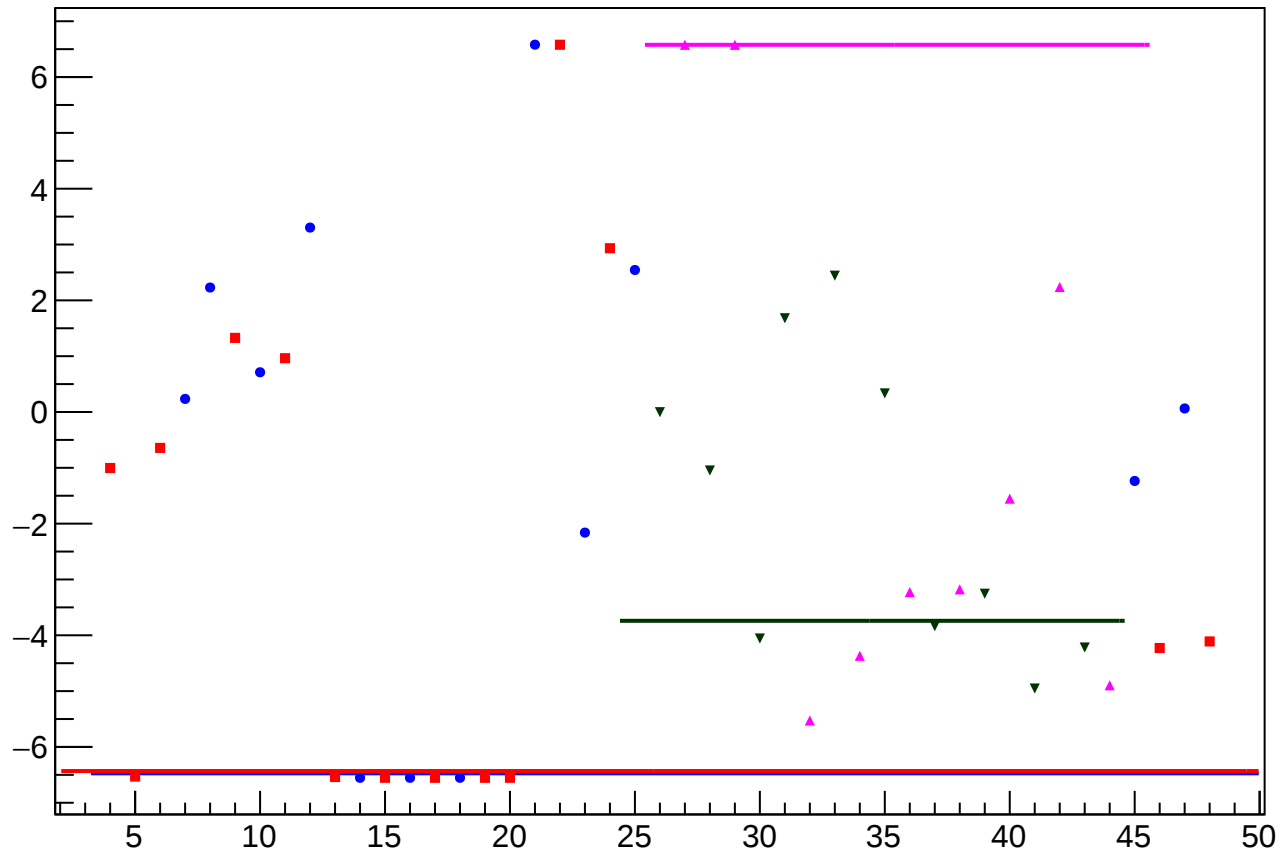
172.736+/-0.035 χ^2/NDF : 947306.9/21

Right Out: 183.520+/-0.049 χ^2/NDF : 540010.4/13

161.466+/-0.033 χ^2/NDF : 1188010.7/22

Left In: 144.061+/-0.044 χ^2/NDF : 287746.6/8

yield_cav4bX_mean vs slug



Right In: -6.473+/-0.000 χ^2/NDF : 127847933192015.0/11

-6.473+/-0.000 χ^2/NDF : 127847957574897.1/2

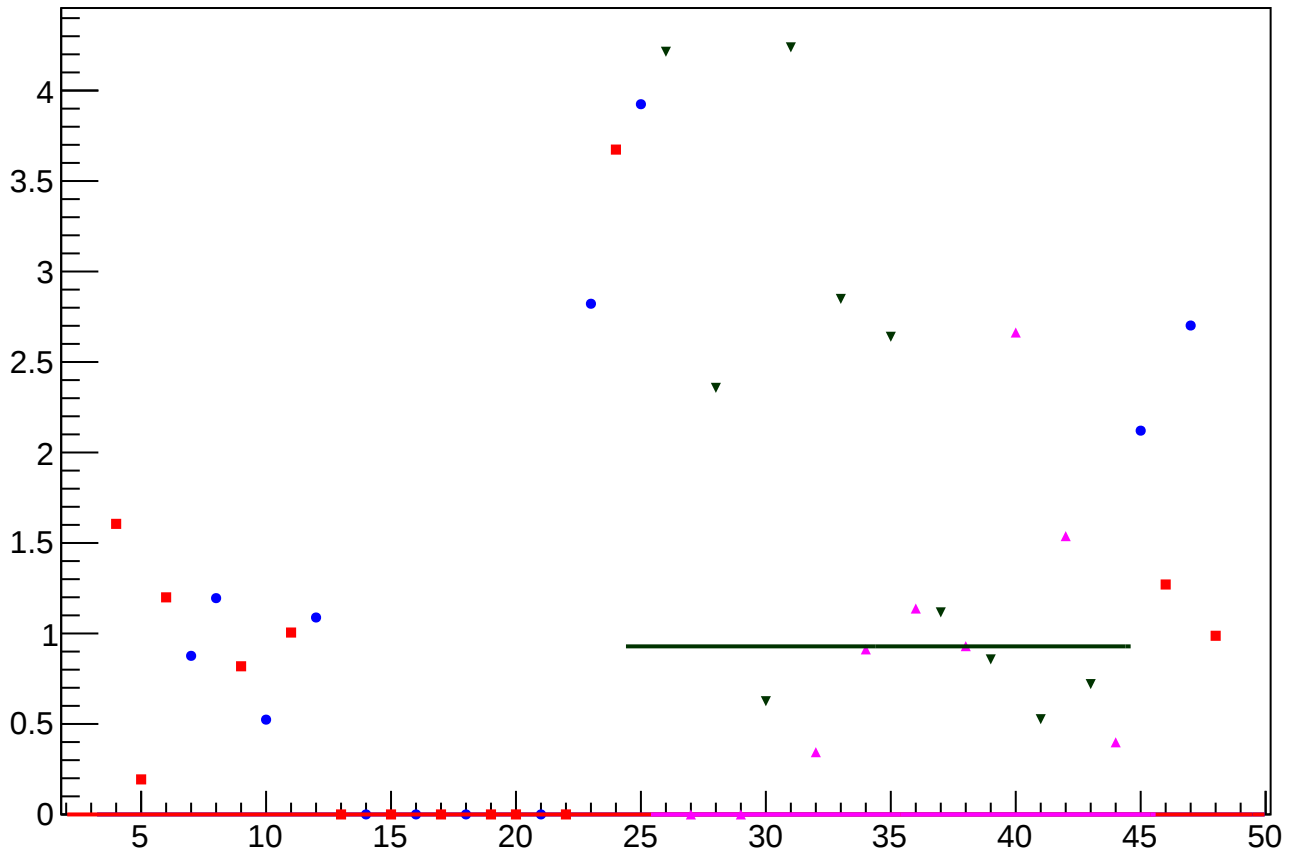
Left Out: -3.741+/-0.001 χ^2/NDF : 5731885.1/9

Right Out: -6.432+/-0.000 χ^2/NDF : 150837603939252.6/13

-6.315+/-0.000 χ^2/NDF : 297092113482522.7/2

Left In: 6.578+/-0.000 χ^2/NDF : 822807717.8/8

yield_cav4bX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 6138702.2/11

Left Out: 0.929+/-0.000 χ^2/NDF :2482114.1/9

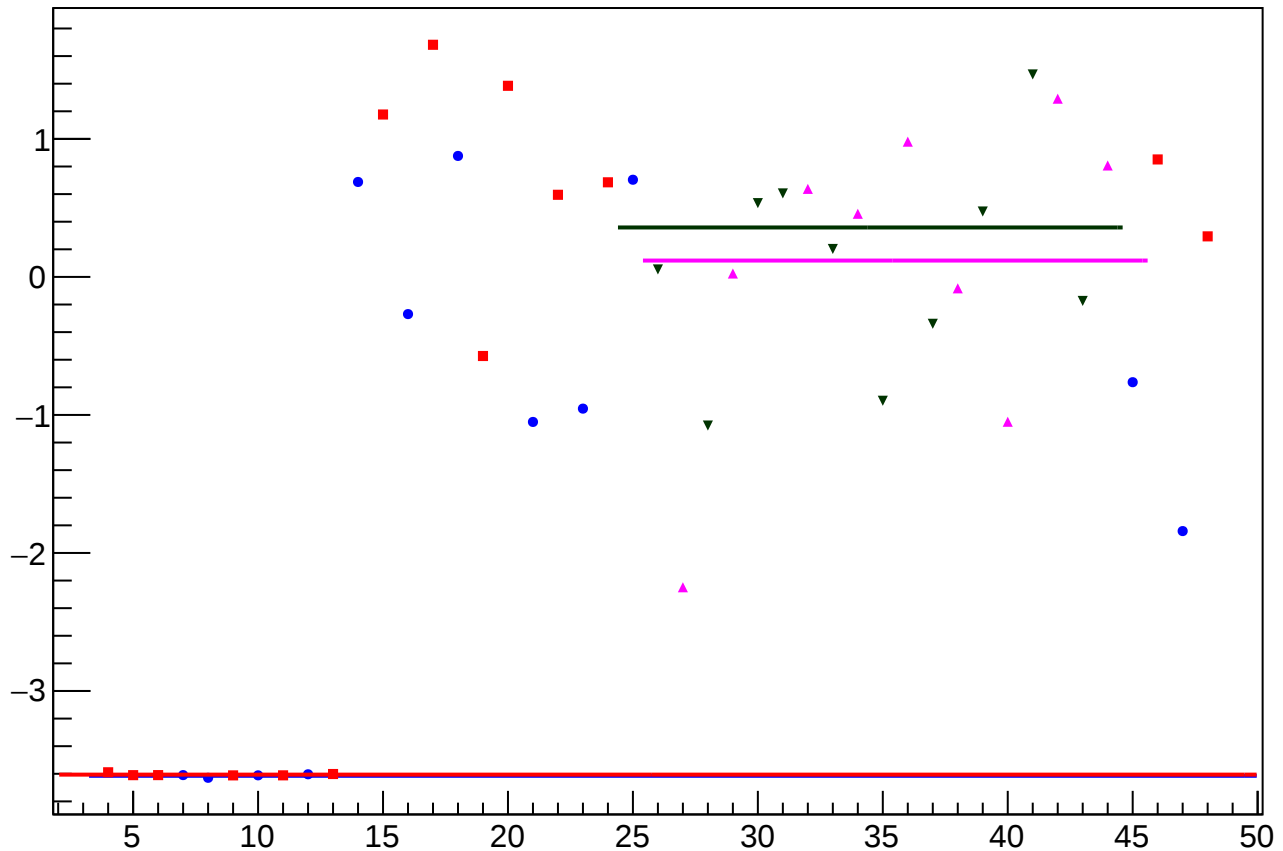
Right Out: 0.000+/-0.000 χ^2/NDF : 5256239.6/13

Left In: 0.000+/-0.000 χ^2/NDF :4631448.1/8

0.000+/-0.000 χ^2/NDF : 12930295.9/21

0.000+/-0.000 χ^2/NDF : 9887782.4/22

yield_cav4bY_mean vs slug



Right In: -3.614+/-0.000 χ^2/NDF : 49069626282.5/11

Left Out: 0.358+/-0.000 χ^2/NDF : 6673360.6/9

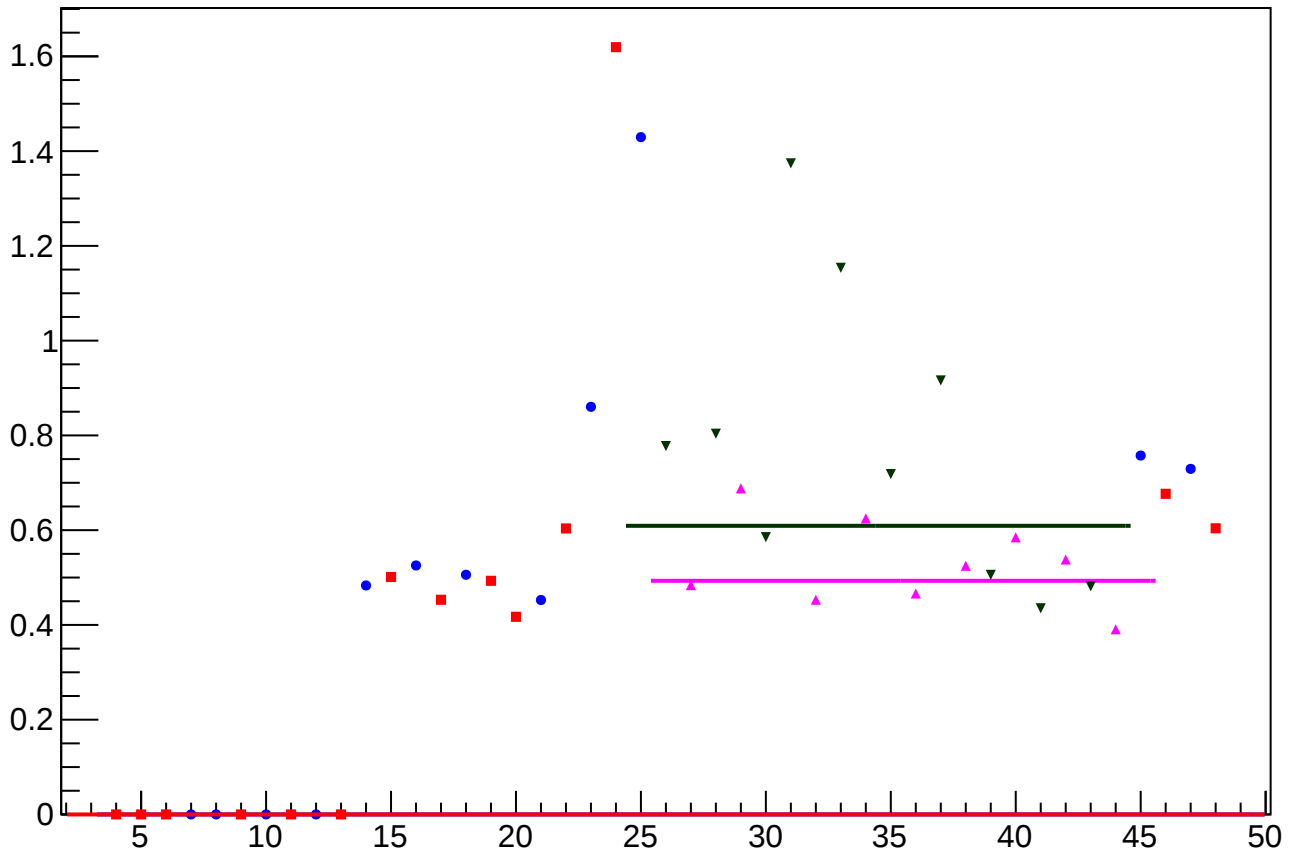
-3.614+/-0.000 χ^2/NDF : 49223867574.0/21

Right Out: -3.606+/-0.000 χ^2/NDF : 37781757067.7/13

-3.606+/-0.000 χ^2/NDF : 38021278434.2/22

Left In: 0.119+/-0.000 χ^2/NDF : 20120606.4/8

yield_cav4bY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 7309306.5/11

Left Out: 0.609+/-0.000 χ^2/NDF : 799340.0/9

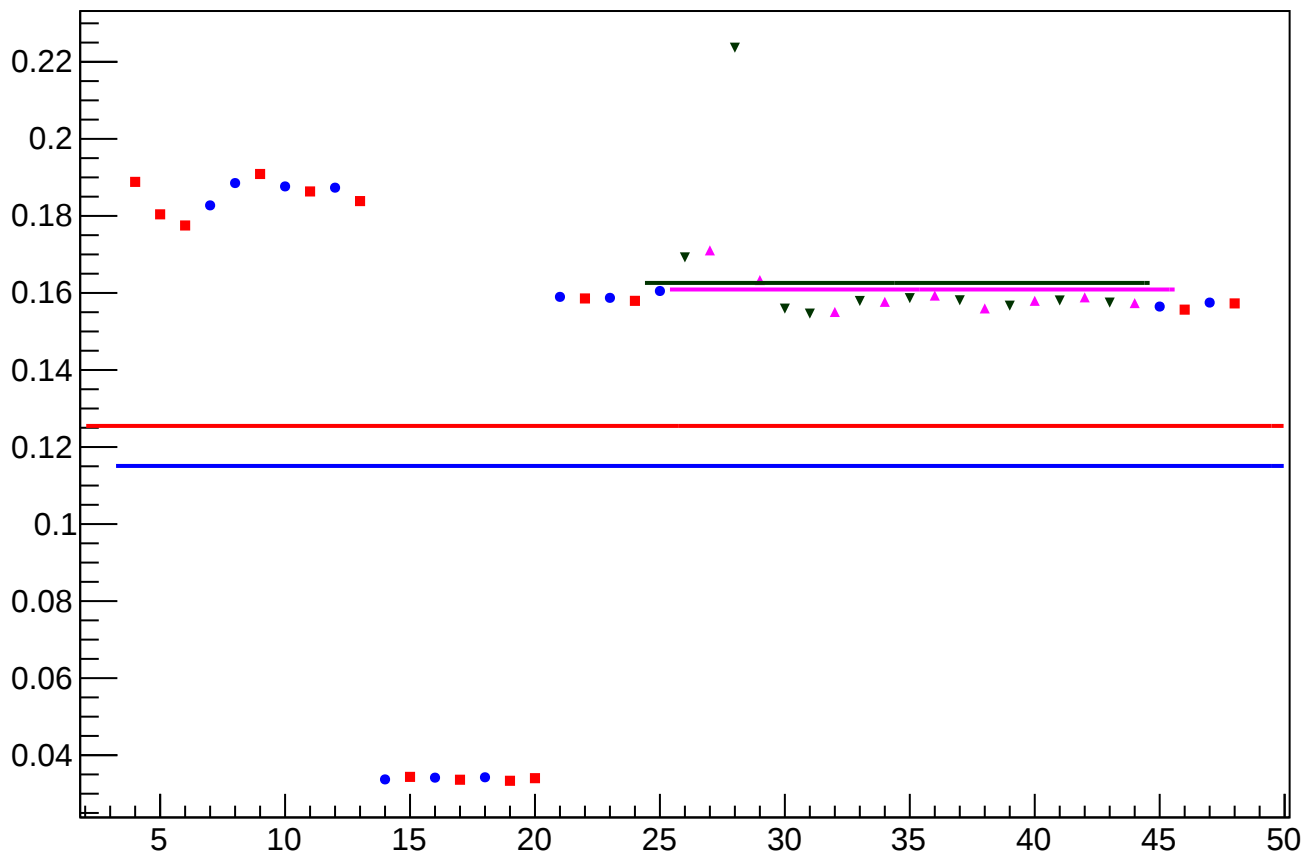
0.000+/-0.000 χ^2/NDF : 15046678.4/21

Right Out: 0.000+/-0.000 χ^2/NDF : 5697003.1/13

0.000+/-0.000 χ^2/NDF : 13601836.4/22

Left In: 0.493+/-0.000 χ^2/NDF : 214040.2/8

yield_cav4cX_mean vs slug



Right In: 0.115+/-0.000 χ^2/NDF : 4818865842.8/11

Left Out: 0.163+/-0.000 χ^2/NDF :101593637.2/9

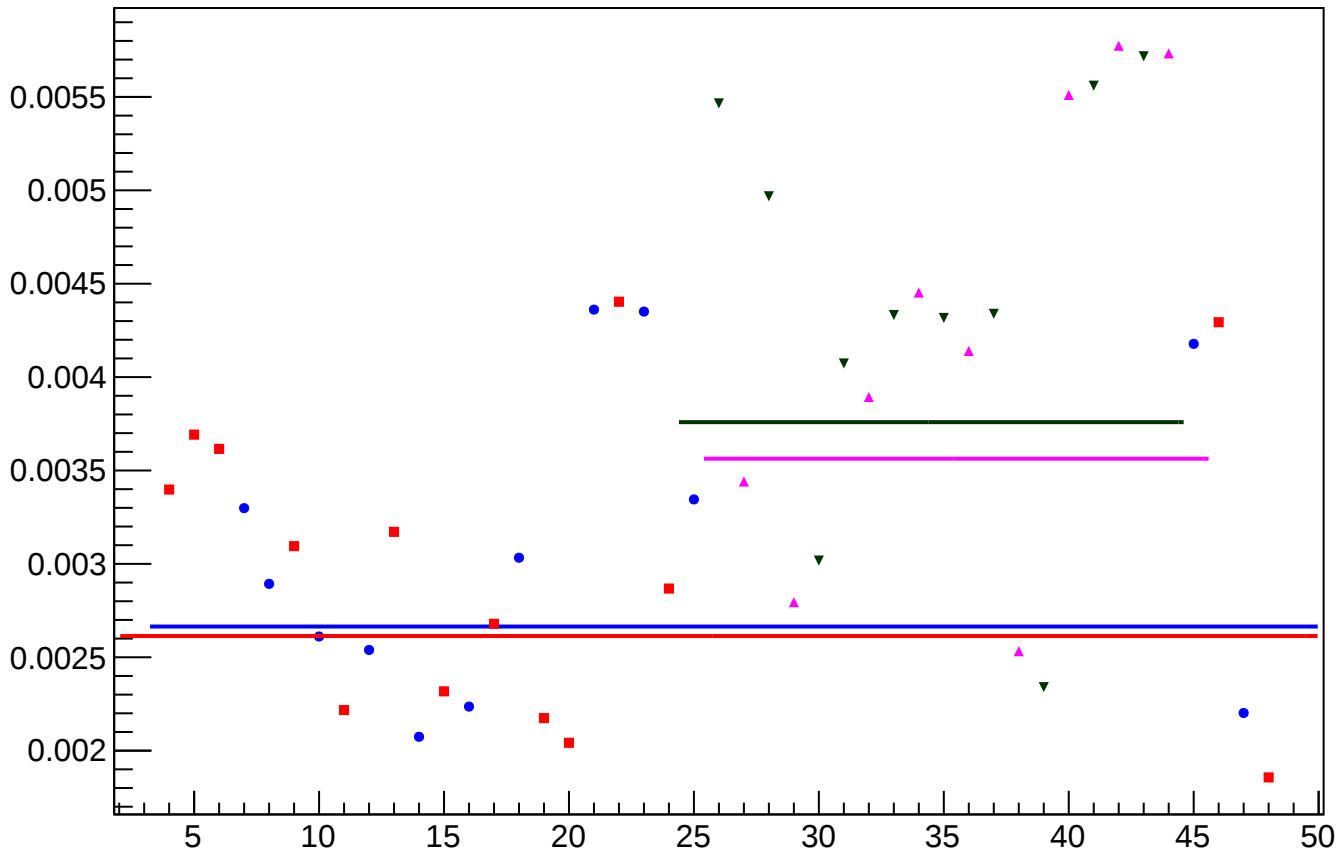
Right Out: 0.125+/-0.000 χ^2/NDF : 4378022351.4/13

Left In: 0.161+/-0.000 χ^2/NDF :11671584.7/8

0.127+/-0.000 χ^2/NDF : 5466743484.0/21

0.136+/-0.000 χ^2/NDF : 4734308276.0/22

yield_cav4cX_rms vs slug



Right In: 0.003 ± 0.000 χ^2/NDF : 830157.4/11

Left Out: 0.004 ± 0.000 χ^2/NDF : 884952.0/9

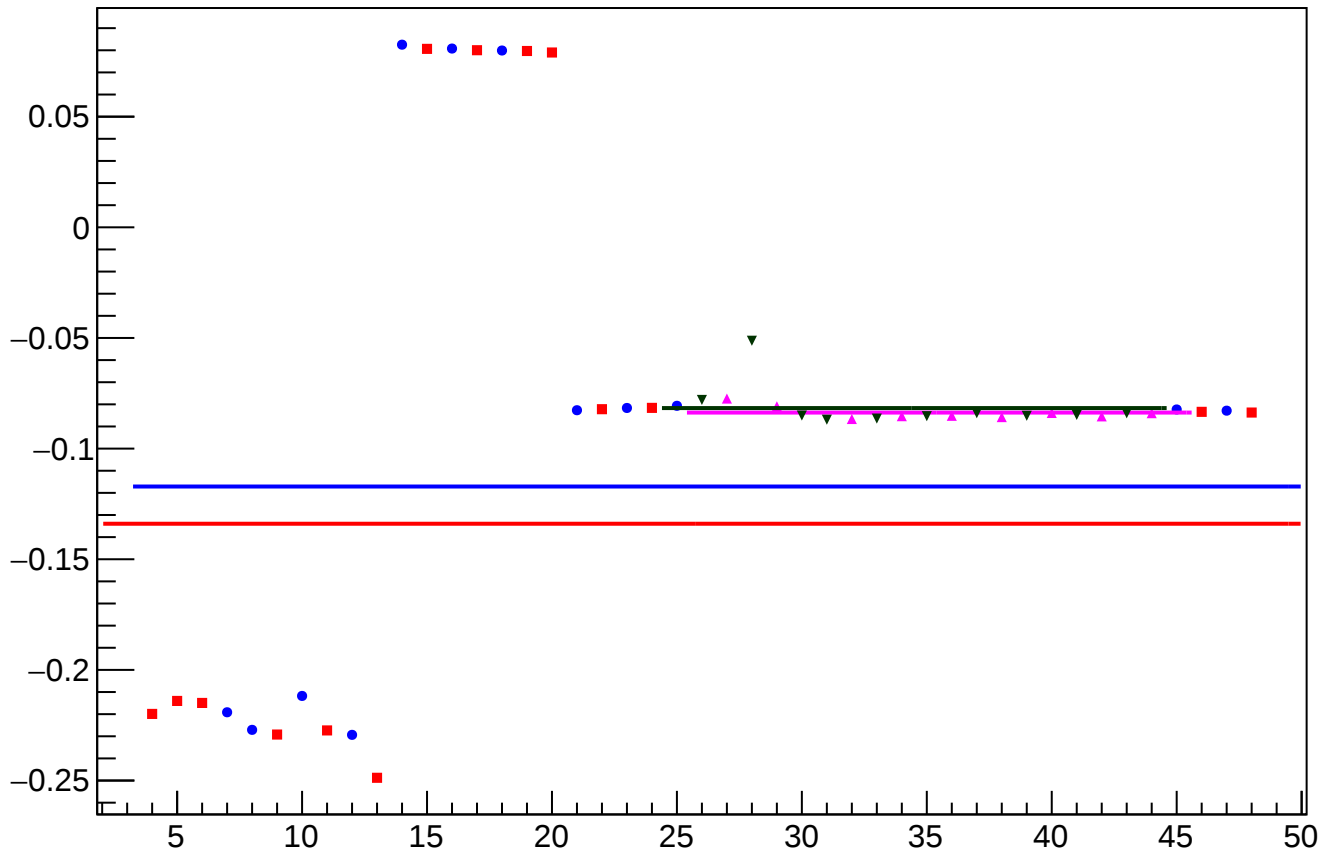
Right Out: 0.003 ± 0.000 χ^2/NDF : 807617.2/13

Left In: 0.004 ± 0.000 χ^2/NDF : 752035.9/8

0.003 ± 0.000 χ^2/NDF : 2294638.6/21

0.003 ± 0.000 χ^2/NDF : 2055031.4/22

yield_cav4cY_mean vs slug



Right In: -0.117+/-0.000 χ^2/NDF : 9612780856.1/11

Left Out: -0.082+/-0.000 χ^2/NDF : 35856752.9/9

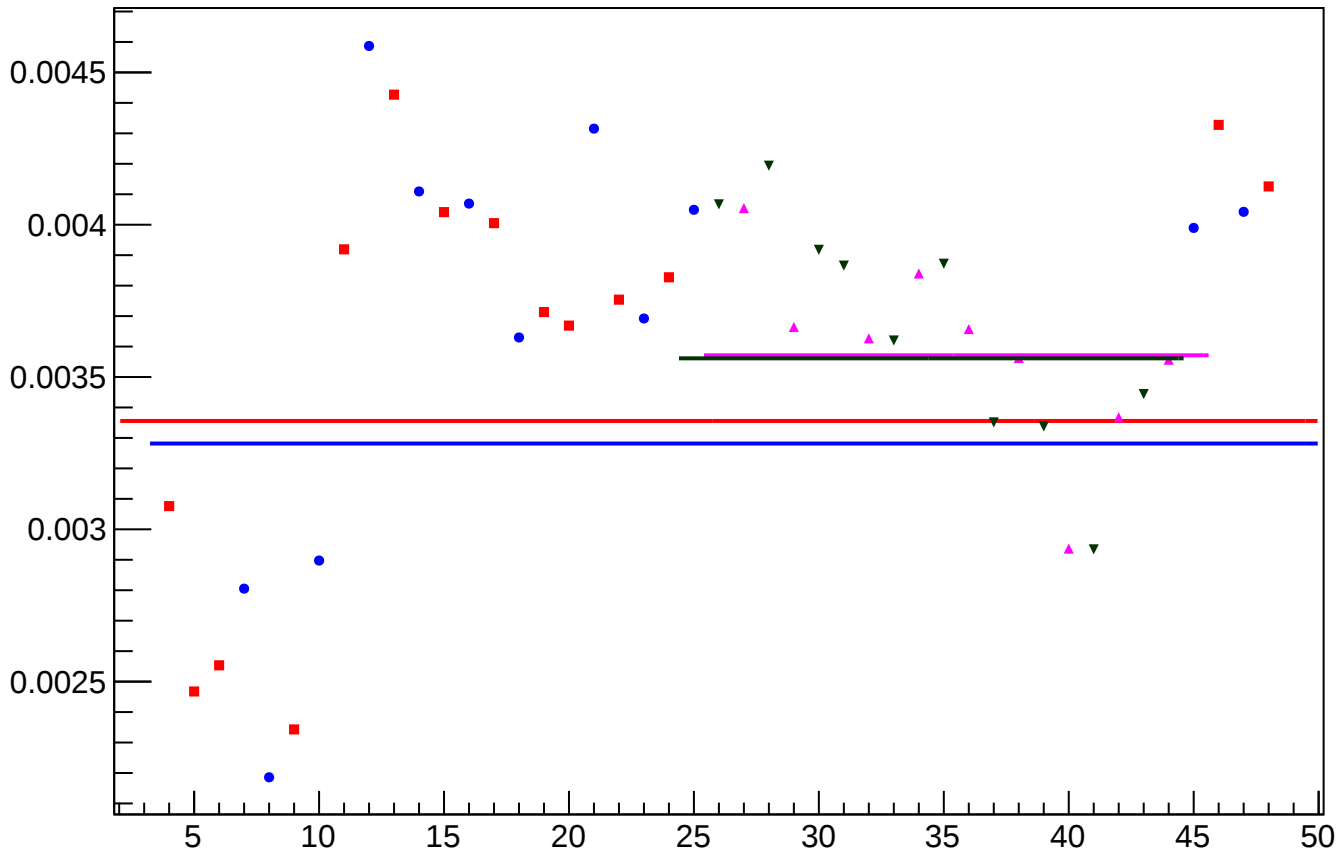
Right Out: -0.134+/-0.000 χ^2/NDF : 8761689341.5/13

Left In: -0.084+/-0.000 χ^2/NDF : 3521413.4/8

-0.103+/-0.000 χ^2/NDF : 9955444962.3/21

-0.113+/-0.000 χ^2/NDF : 9387886551.9/22

yield_cav4cY_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 898020.1/11

Left Out: 0.004+/-0.000 χ^2/NDF :124023.6/9

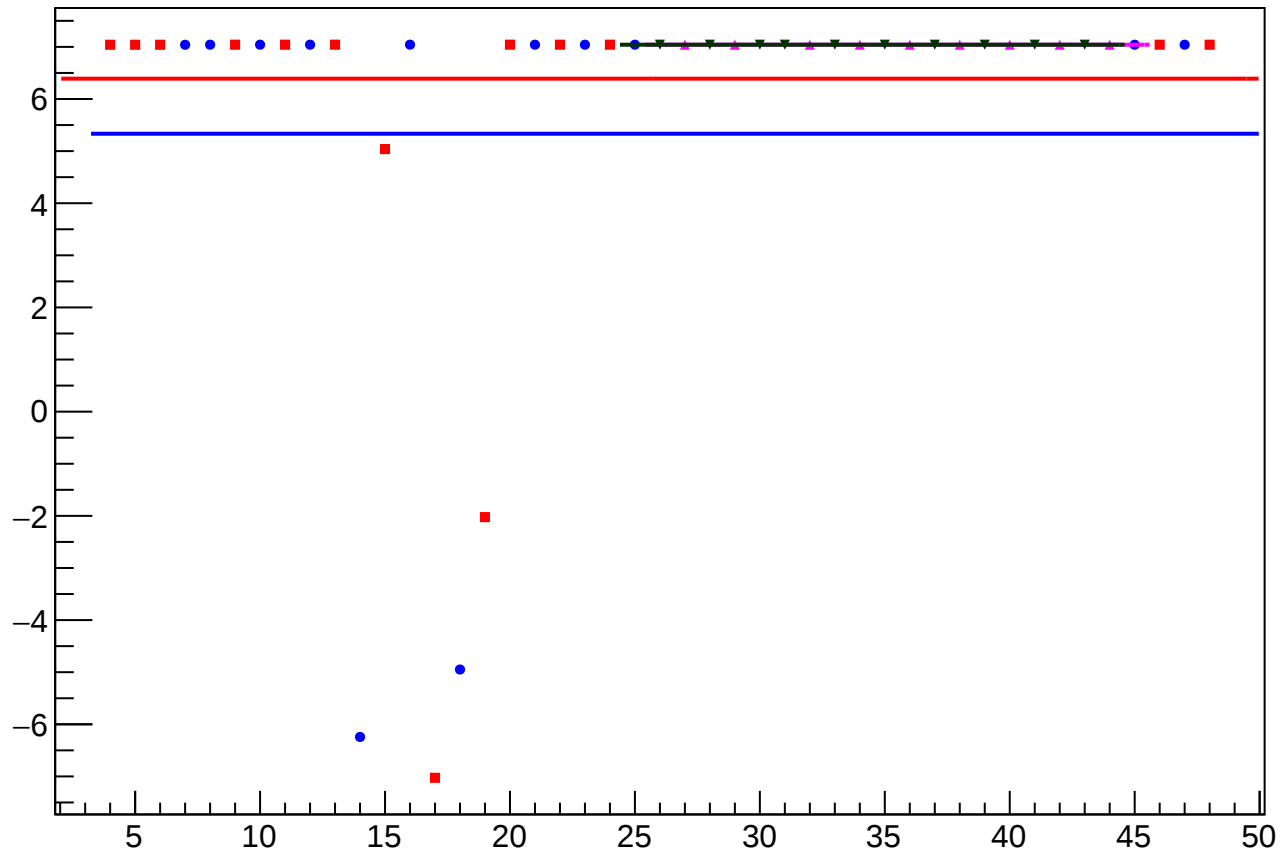
Right Out: 0.003+/-0.000 χ^2/NDF : 701461.8/13

Left In: 0.004+/-0.000 χ^2/NDF :79207.1/8

0.003+/-0.000 χ^2/NDF : 1060238.0/21

0.003+/-0.000 χ^2/NDF : 803600.5/22

yield_cav4dX_mean vs slug



Right In: 5.333 $\pm$ 0.000 χ^2/NDF : 4373485499170437.5/11

Left Out: 7.042 $\pm$ 0.000 χ^2/NDF : 765209.6/9

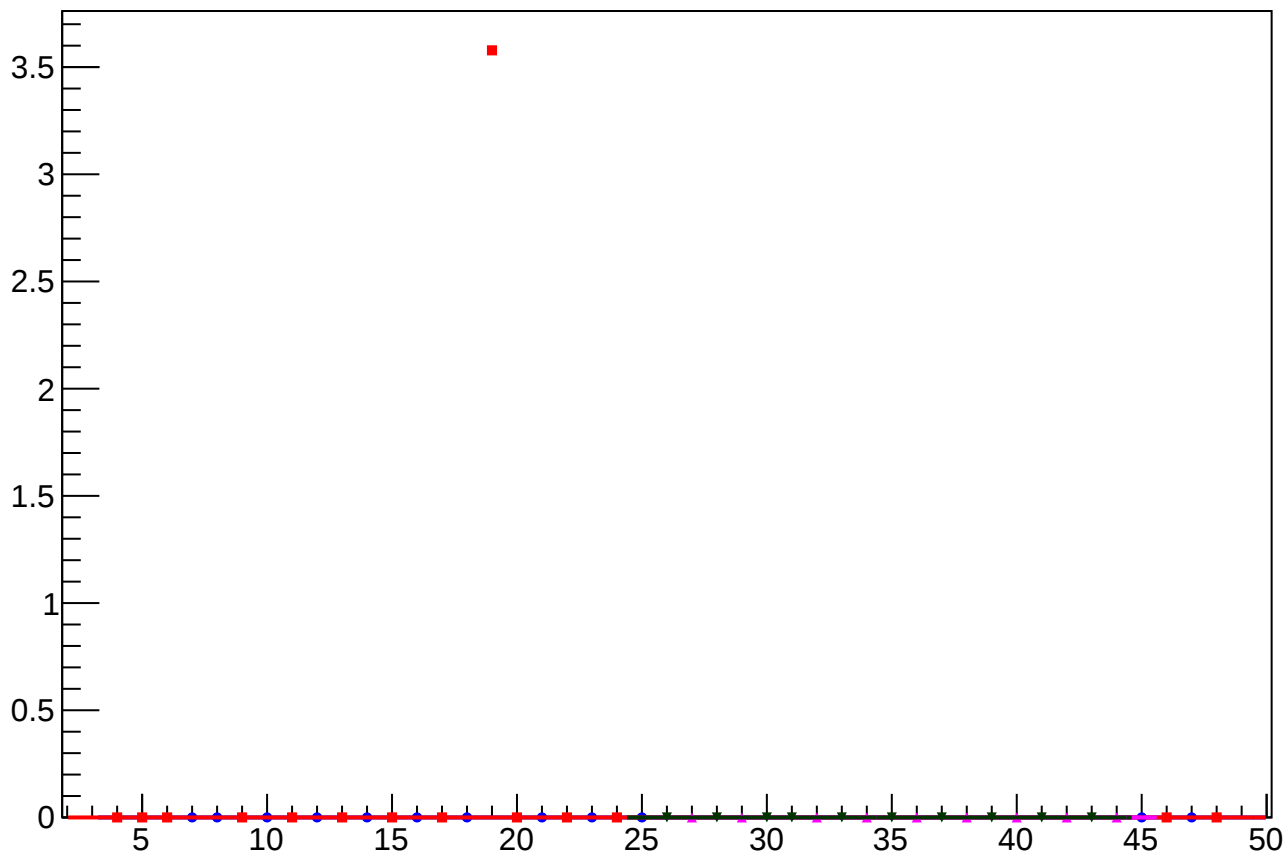
Right Out: 6.390 $\pm$ 0.000 χ^2/NDF : 1829872166783279.5/13

Left In: 7.042 $\pm$ 0.000 χ^2/NDF : 540646.4/8

6.141 $\pm$ 0.000 χ^2/NDF : 4684994448316311.0/2

6.717 $\pm$ 0.000 χ^2/NDF : 1875894719694460.8/2

yield_cav4dX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 2835.4/11

Left Out: 0.000+/-0.000 χ^2/NDF :1535.6/9

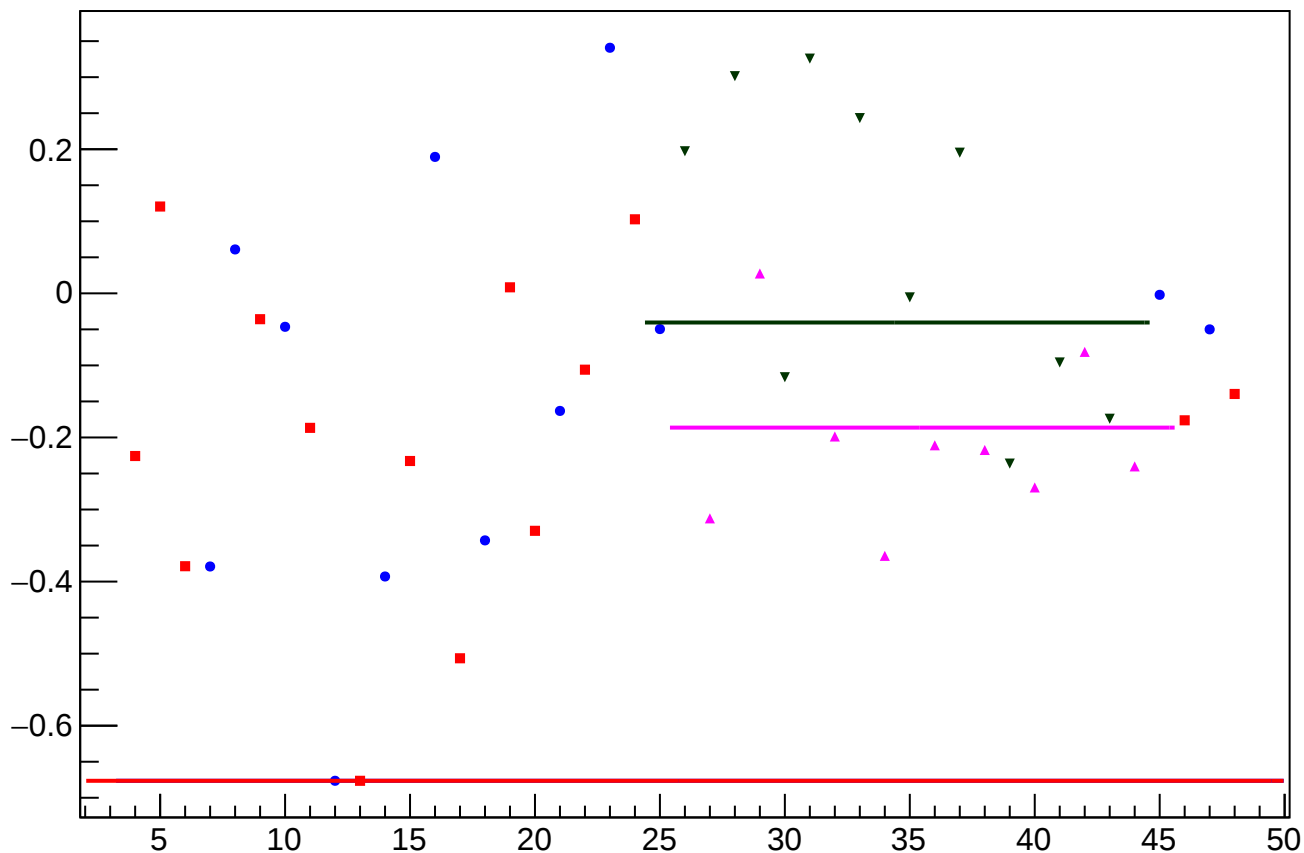
Right Out: 0.000+/-0.000 χ^2/NDF : 696997.9/13

Left In: 0.000+/-0.000 χ^2/NDF :1769.6/8

0.000+/-0.000 χ^2/NDF : 5192.8/21

0.000+/-0.000 χ^2/NDF : 701897.5/22

yield_cav4dY_mean vs slug



Right In: -0.676+/-0.000 χ^2/NDF : 249406893.4/11

Left Out: -0.040+/-0.000 χ^2/NDF : 16704113.3/9

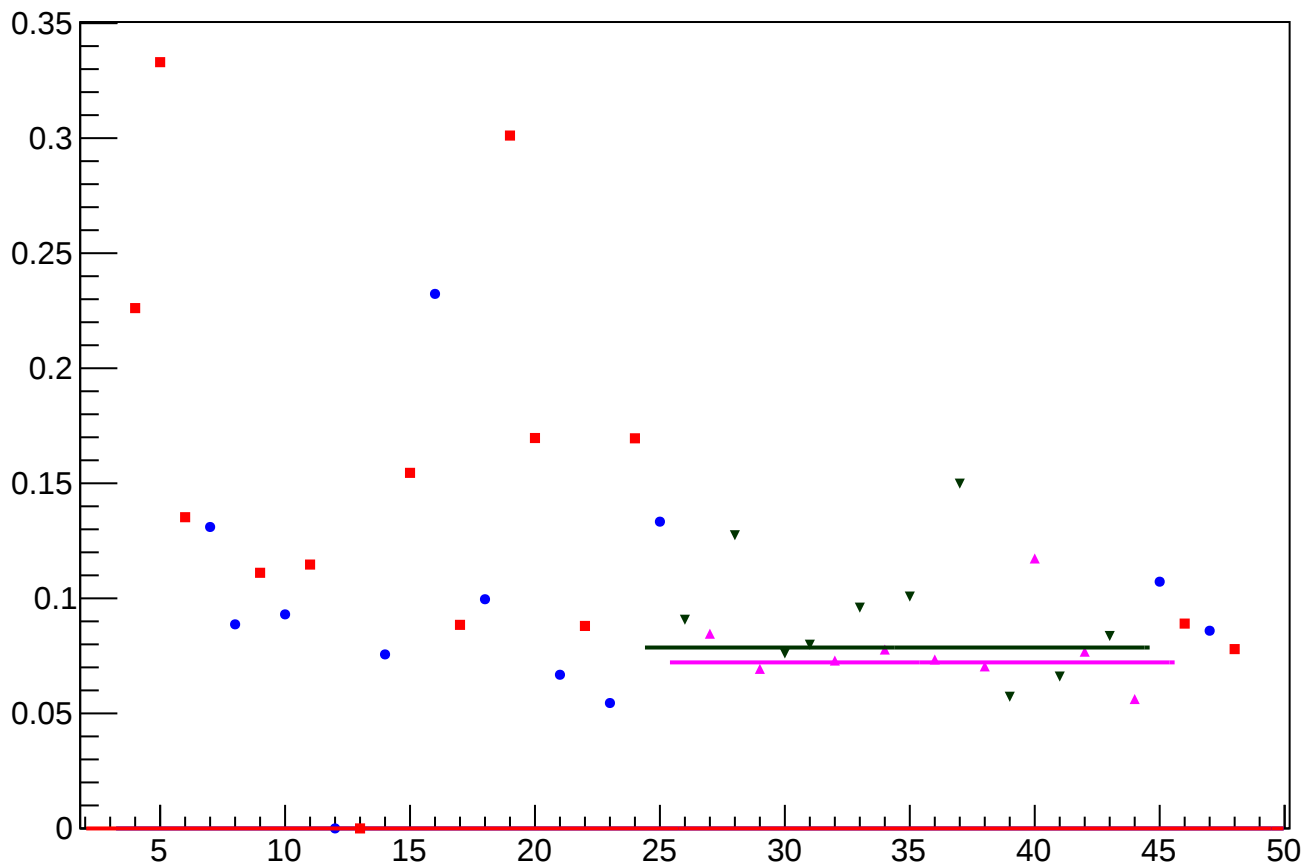
Right Out: -0.676+/-0.000 χ^2/NDF : 89554432.4/13

Left In: -0.186+/-0.000 χ^2/NDF : 8365095.9/8

-0.676+/-0.000 χ^2/NDF : 454146371.9/21

-0.676+/-0.000 χ^2/NDF : 255401900.5/22

yield_cav4dY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 9840435.6/11

Left Out: 0.079+/-0.000 χ^2/NDF : 452862.6/9

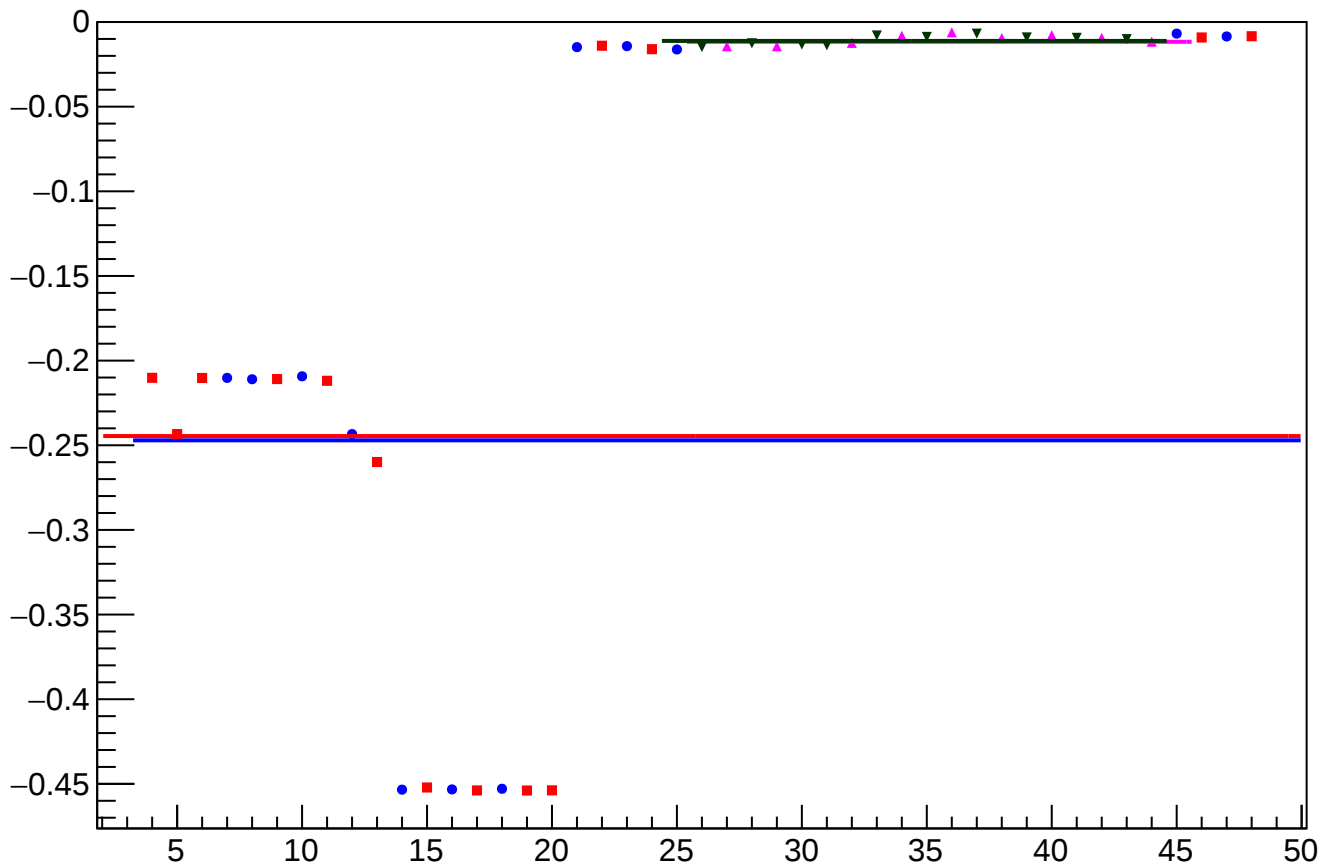
Right Out: 0.000+/-0.000 χ^2/NDF : 9259740.7/13

Left In: 0.072+/-0.000 χ^2/NDF : 192884.5/8

0.000+/-0.000 χ^2/NDF : 16040044.8/21

0.000+/-0.000 χ^2/NDF : 16277811.6/22

yield_bpm4aX_mean vs slug



Right In: -0.247+/-0.000 χ^2/NDF : 4234043702.6/11

Left Out: -0.011+/-0.000 χ^2/NDF : 401443.1/9

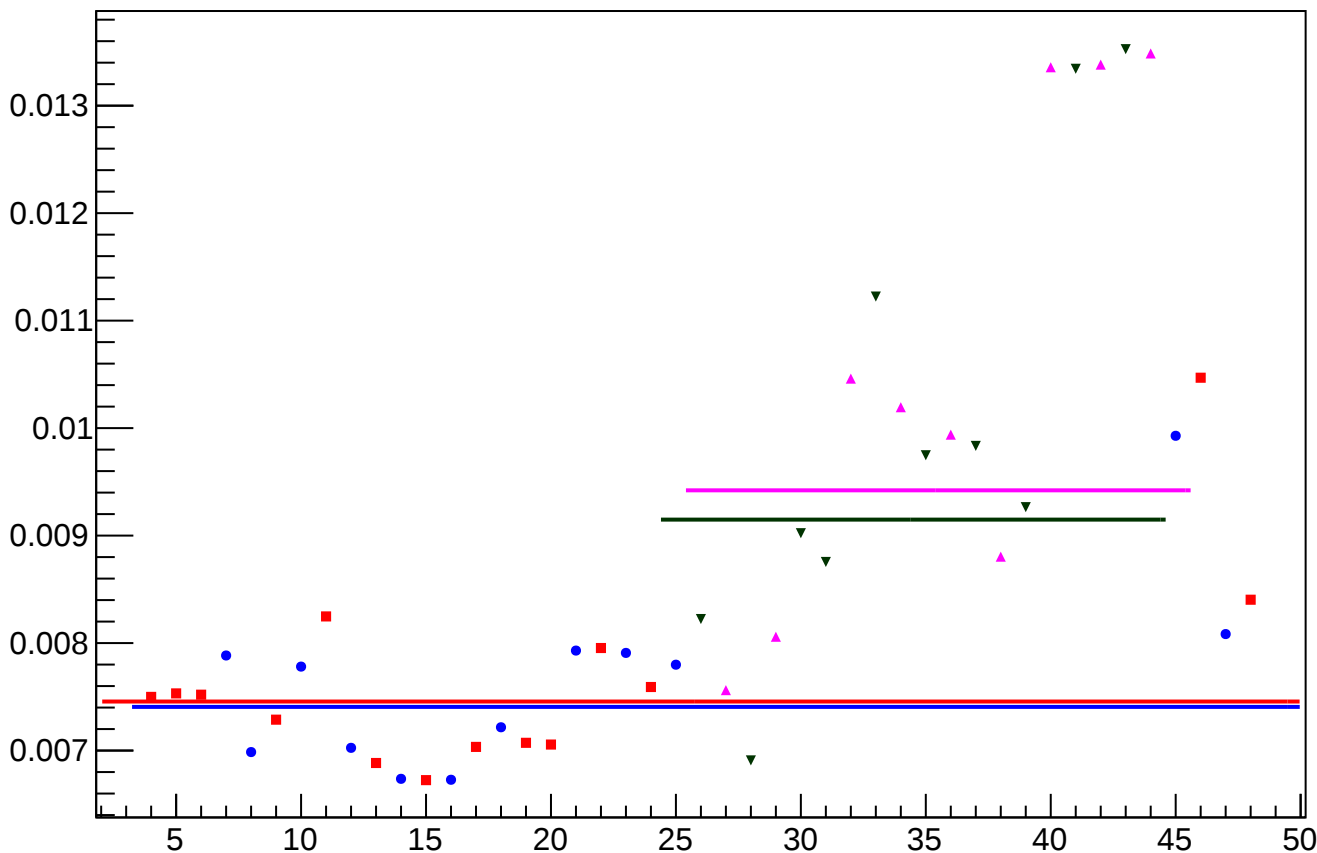
Right Out: -0.245+/-0.000 χ^2/NDF : 3270431559.3/13

Left In: -0.012+/-0.000 χ^2/NDF : 495469.4/8

-0.175+/-0.000 χ^2/NDF : 6549994104.0/21

-0.171+/-0.000 χ^2/NDF : 5495883160.6/22

yield_bpm4aX_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 145715.9/11

Left Out: 0.009+/-0.000 χ^2/NDF :410320.9/9

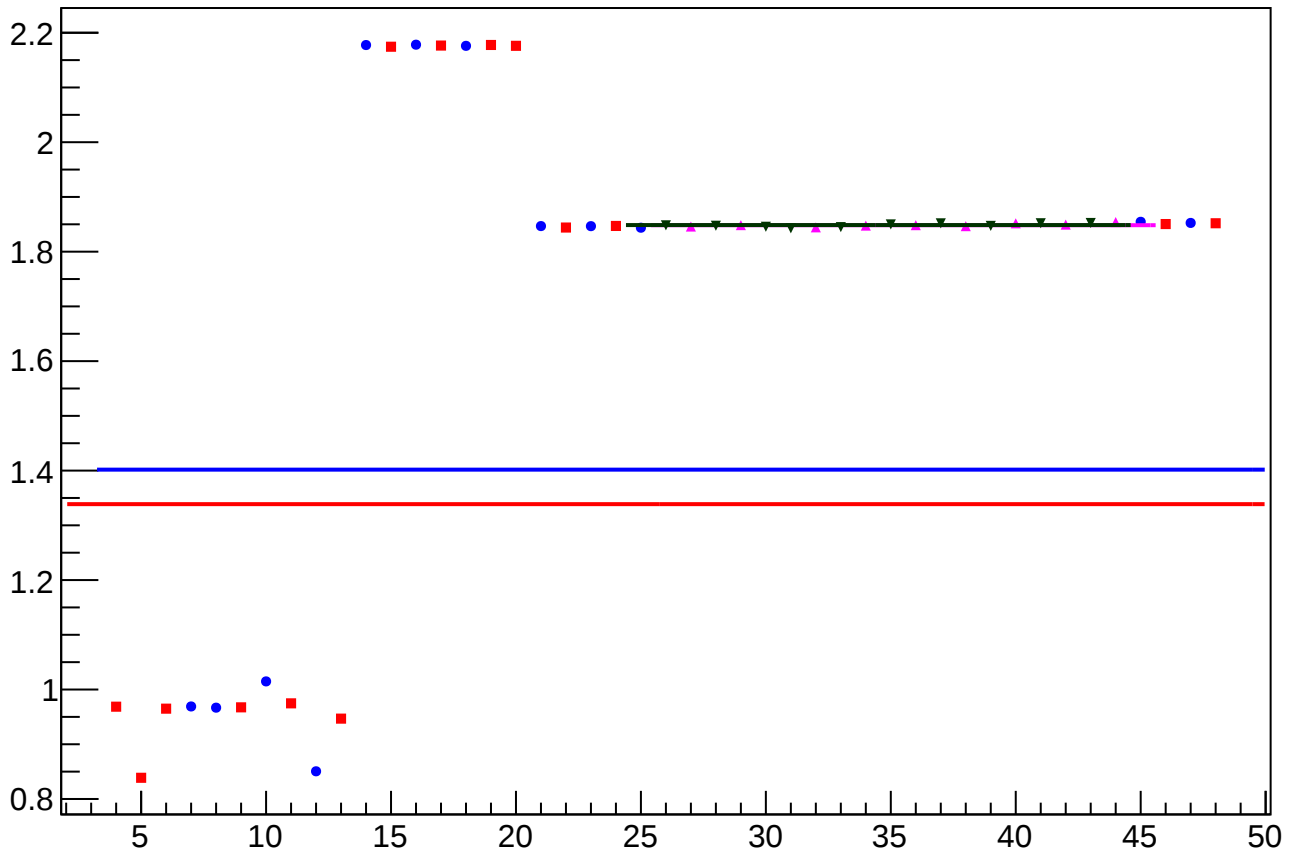
Right Out: 0.007+/-0.000 χ^2/NDF : 140308.8/13

Left In: 0.009+/-0.000 χ^2/NDF :449025.1/8

0.008+/-0.000 χ^2/NDF : 808629.6/21

0.008+/-0.000 χ^2/NDF : 906165.3/22

yield_bpm4aY_mean vs slug



Right In: 1.402 $\pm$ 0.000 χ^2 /NDF: 13373471117.7/11

Left Out: 1.849 $\pm$ 0.000 χ^2 /NDF:239961.3/9

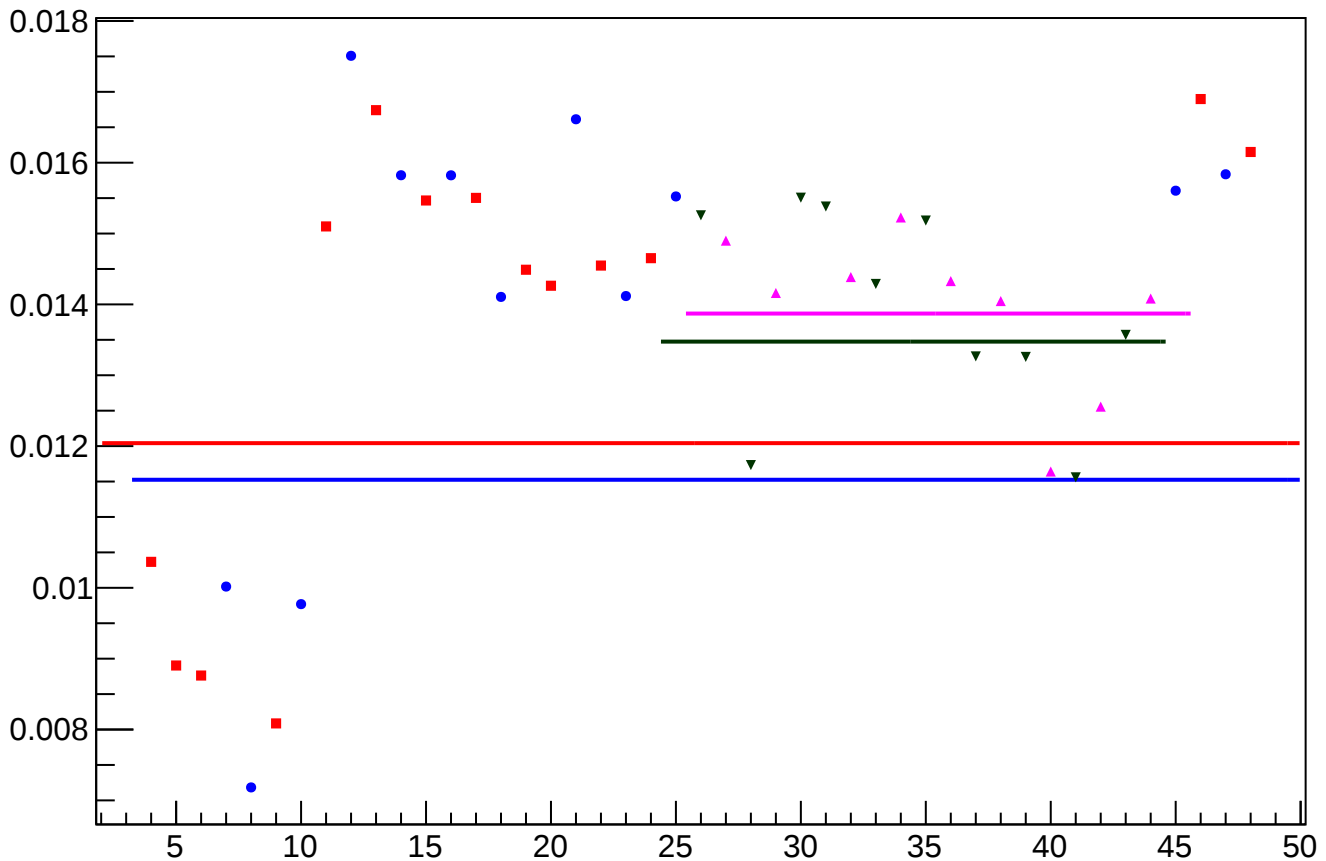
1.563 $\pm$ 0.000 χ^2 /NDF: 16910373689.4/21

Right Out: 1.339 $\pm$ 0.000 χ^2 /NDF: 11908853822.3/13

1.535 $\pm$ 0.000 χ^2 /NDF: 16432342244.9/22

Left In: 1.848 $\pm$ 0.000 χ^2 /NDF:226687.9/8

yield_bpm4aY_rms vs slug



Right In: 0.012+/-0.000 χ^2/NDF : 1474287.5/11

Left Out: 0.013+/-0.000 χ^2/NDF : 115364.2/9

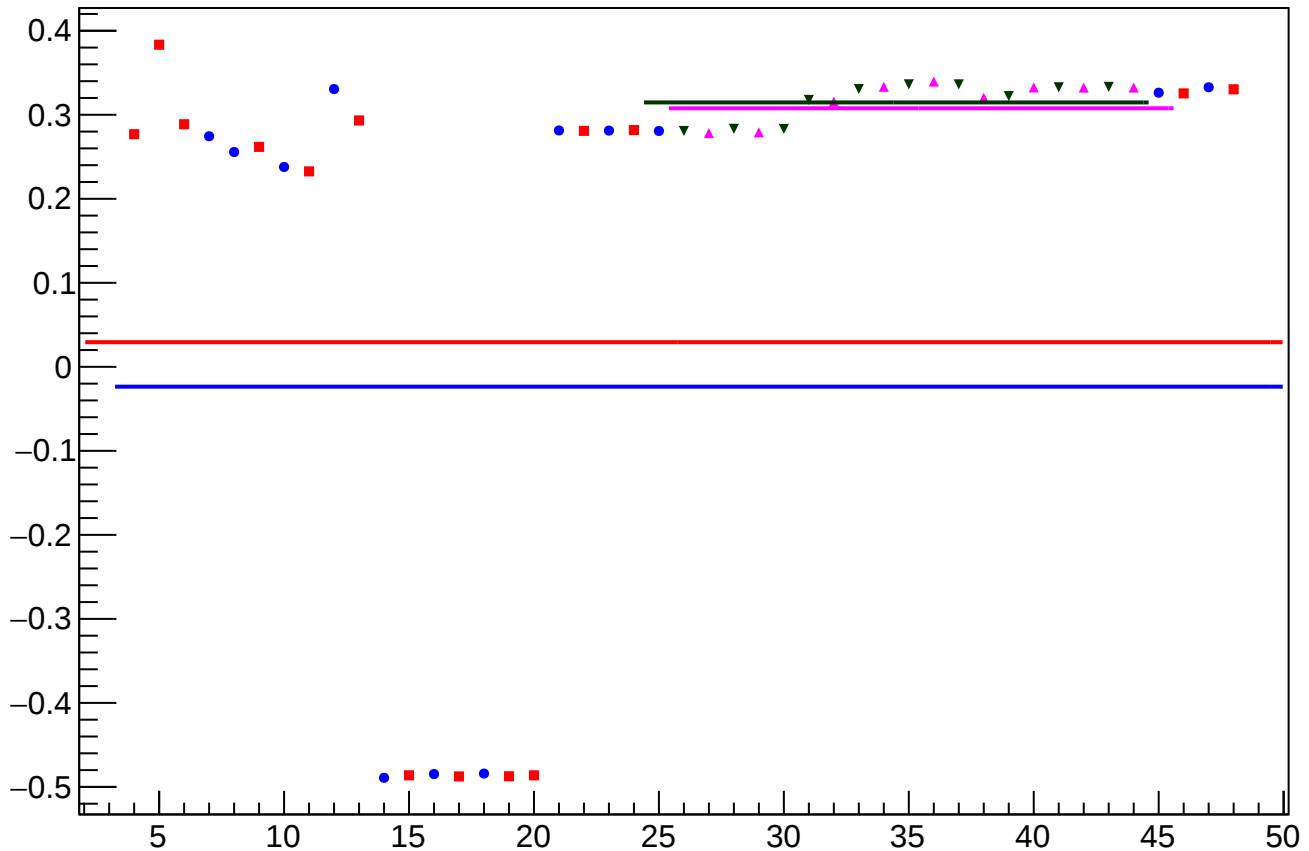
Right Out: 0.012+/-0.000 χ^2/NDF : 1076985.5/13

Left In: 0.014+/-0.000 χ^2/NDF : 66613.9/8

0.012+/-0.000 χ^2/NDF : 1724322.8/21

0.013+/-0.000 χ^2/NDF : 1260098.3/22

yield_bpm4eX_mean vs slug



Right In: -0.024+/-0.000 χ^2/NDF : 3345844341.7/11

Left Out: 0.315+/-0.000 χ^2/NDF : 5189197.9/9

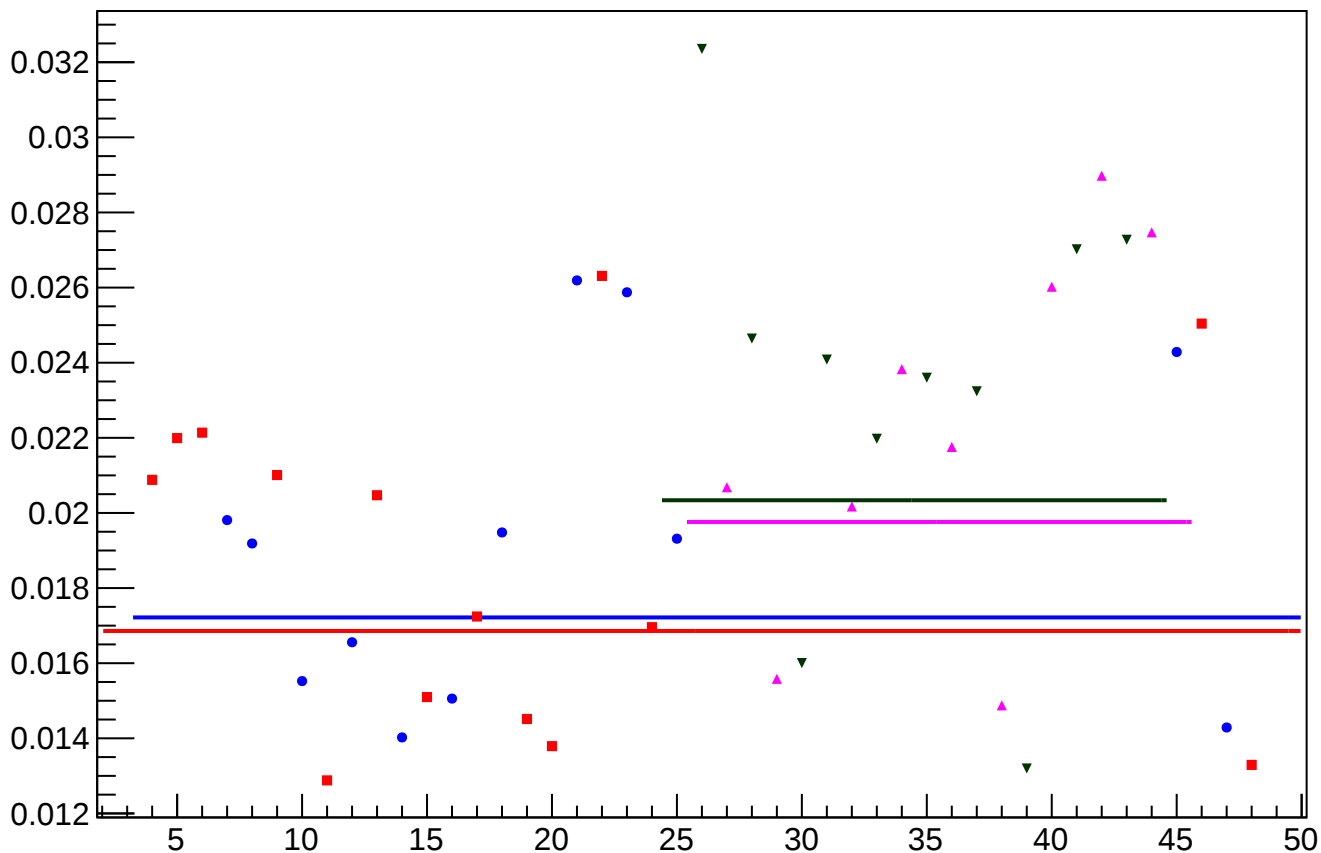
0.087+/-0.000 χ^2/NDF : 4221049108.3/21

Right Out: 0.029+/-0.000 χ^2/NDF : 3059521451.0/13

0.127+/-0.000 χ^2/NDF : 3709586191.1/22

Left In: 0.308+/-0.000 χ^2/NDF : 7383992.6/8

yield_bpm4eX_rms vs slug



Right In: 0.017+/-0.000 χ^2/NDF : 613049.2/11

Left Out: 0.020+/-0.000 χ^2/NDF : 733336.7/9

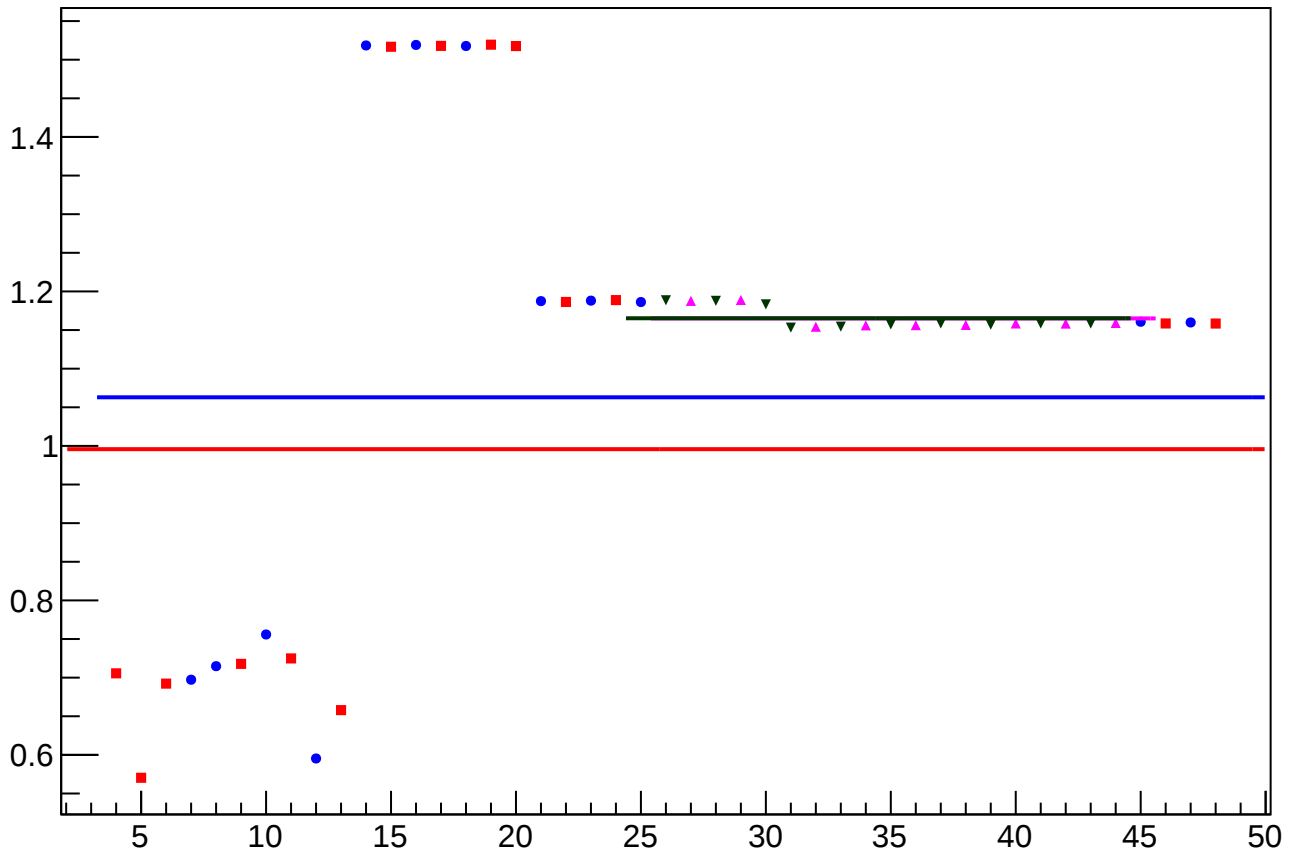
Right Out: 0.017+/-0.000 χ^2/NDF : 694080.8/13

Left In: 0.020+/-0.000 χ^2/NDF : 482021.9/8

0.018+/-0.000 χ^2/NDF : 1494360.7/21

0.018+/-0.000 χ^2/NDF : 1315801.2/22

yield_bpm4eY_mean vs slug



Right In: 1.063+/-0.000 χ^2/NDF : 10391575714.2/11

Left Out: 1.165+/-0.000 χ^2/NDF :12143638.8/9

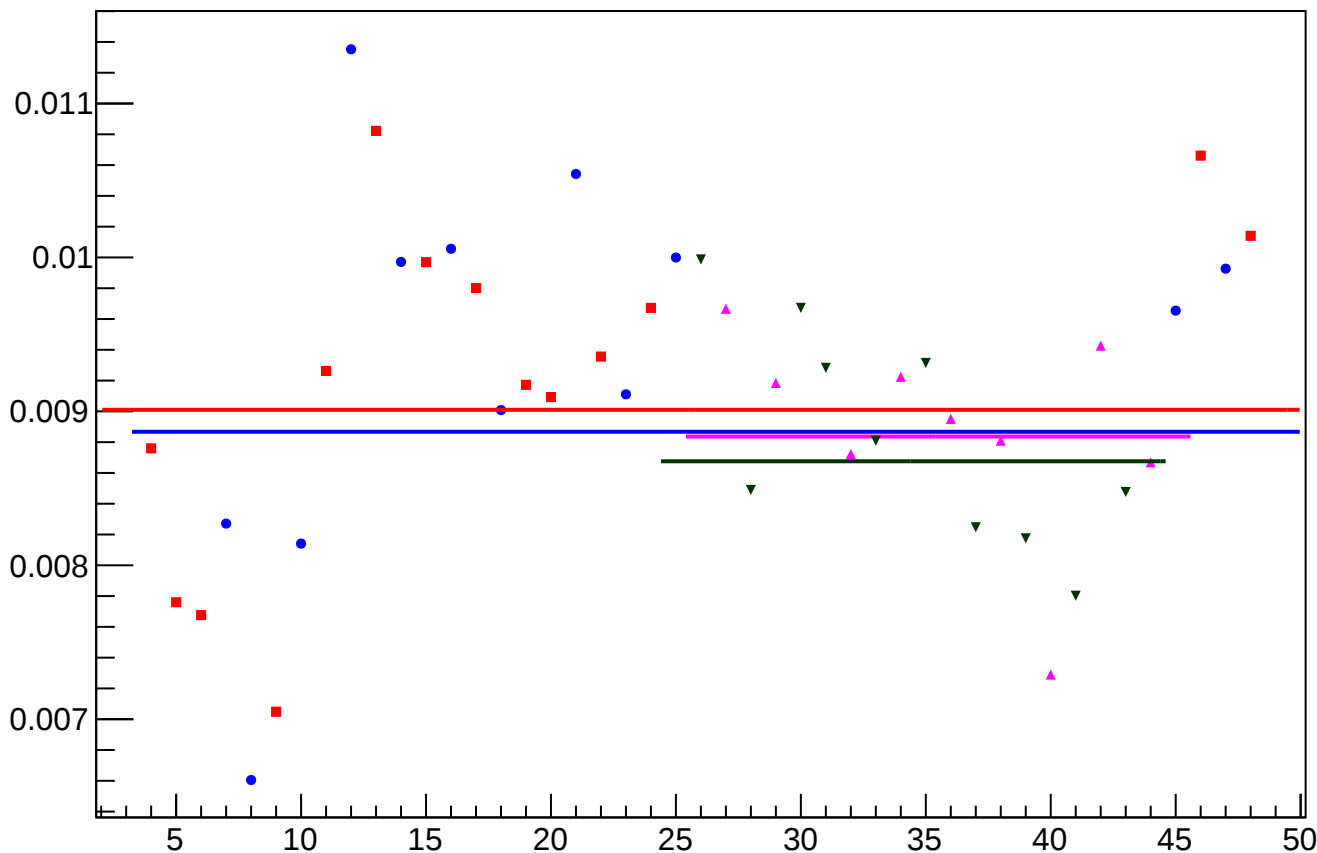
1.107+/-0.000 χ^2/NDF : 10808956625.0/21

Right Out: 0.996+/-0.000 χ^2/NDF : 10151117864.0/13

1.071+/-0.000 χ^2/NDF : 11261178005.2/22

Left In: 1.165+/-0.000 χ^2/NDF :13354823.7/8

yield_bpm4eY_rms vs slug



Right In: 0.009 ± 0.000 χ^2/NDF : 381631.2/11

Left Out: 0.009 ± 0.000 χ^2/NDF : 57413.1/9

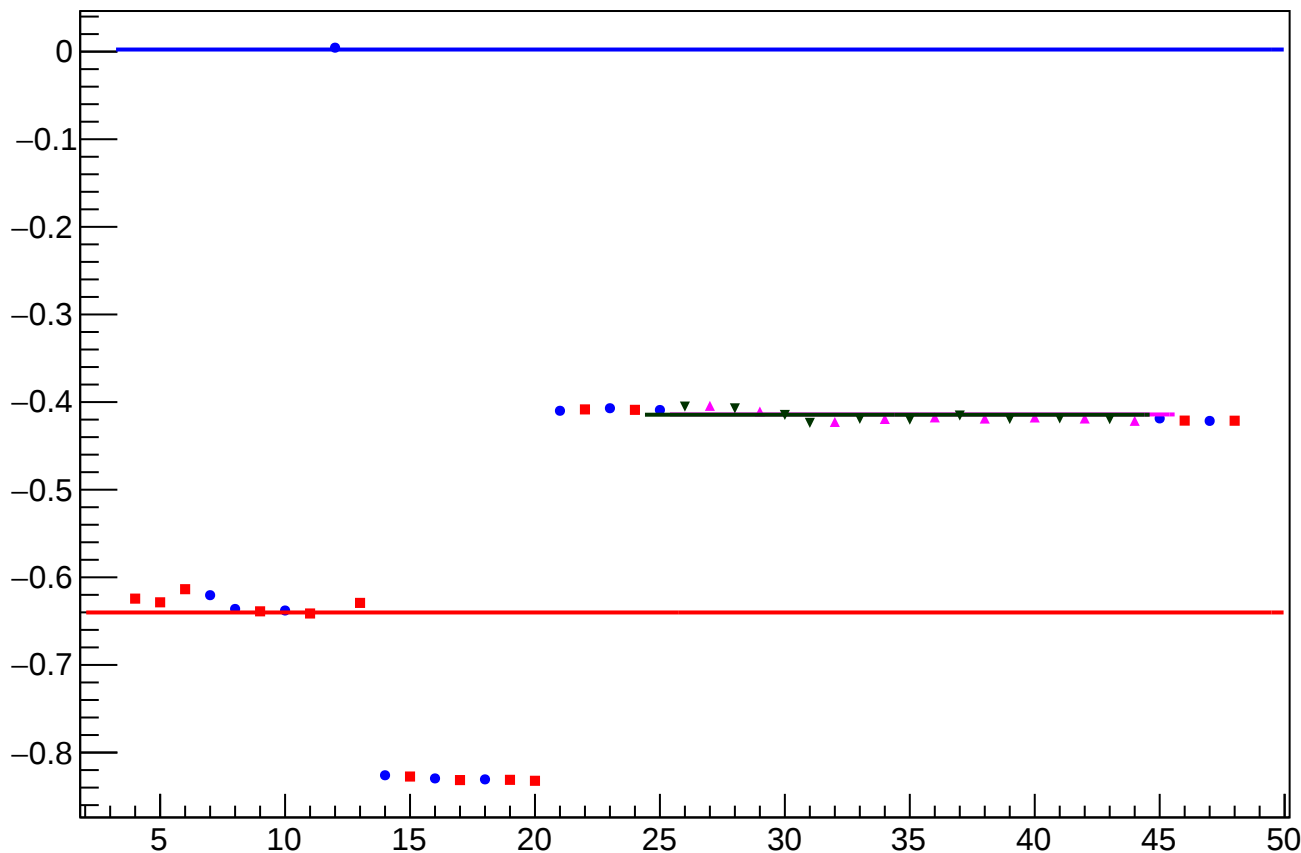
Right Out: 0.009 ± 0.000 χ^2/NDF : 261267.4/13

Left In: 0.009 ± 0.000 χ^2/NDF : 63755.7/8

0.009 ± 0.000 χ^2/NDF : 441889.7/21

0.009 ± 0.000 χ^2/NDF : 327331.9/22

yield_bpm4acX_mean vs slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 54322910663.2/11

Left Out: -0.414 $\pm$ 0.000 χ^2 /NDF: 2260145.2/9

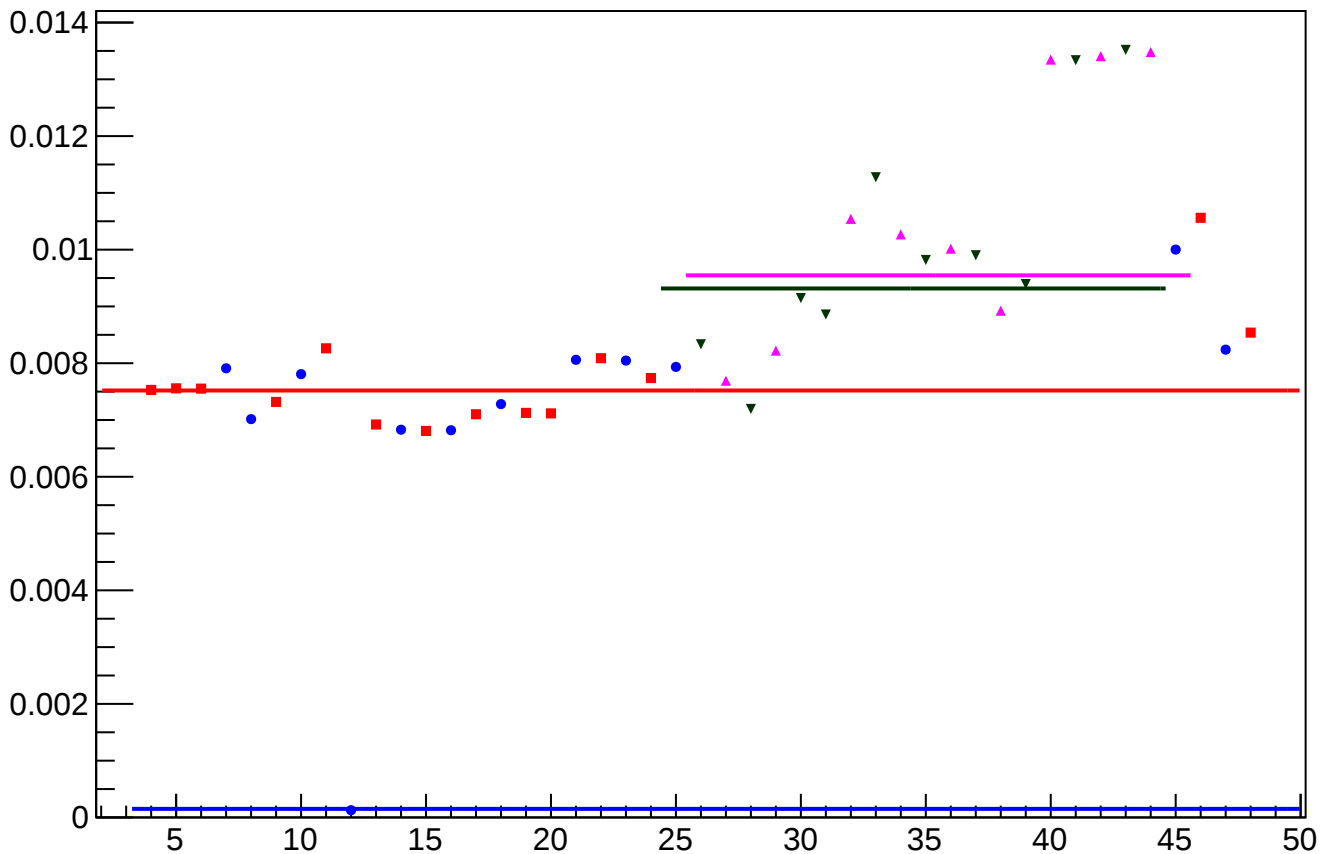
Right Out: -0.640 $\pm$ 0.000 χ^2 /NDF: 2807746527.3/13

Left In: -0.414 $\pm$ 0.000 χ^2 /NDF: 2651942.7/8

0.002 $\pm$ 0.000 χ^2 /NDF: 64435840181.1/21

-0.569 $\pm$ 0.000 χ^2 /NDF: 4861976828.0/22

yield_bpm4acX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 13293141.4/11

Left Out: 0.009+/-0.000 χ^2/NDF : 365508.7/9

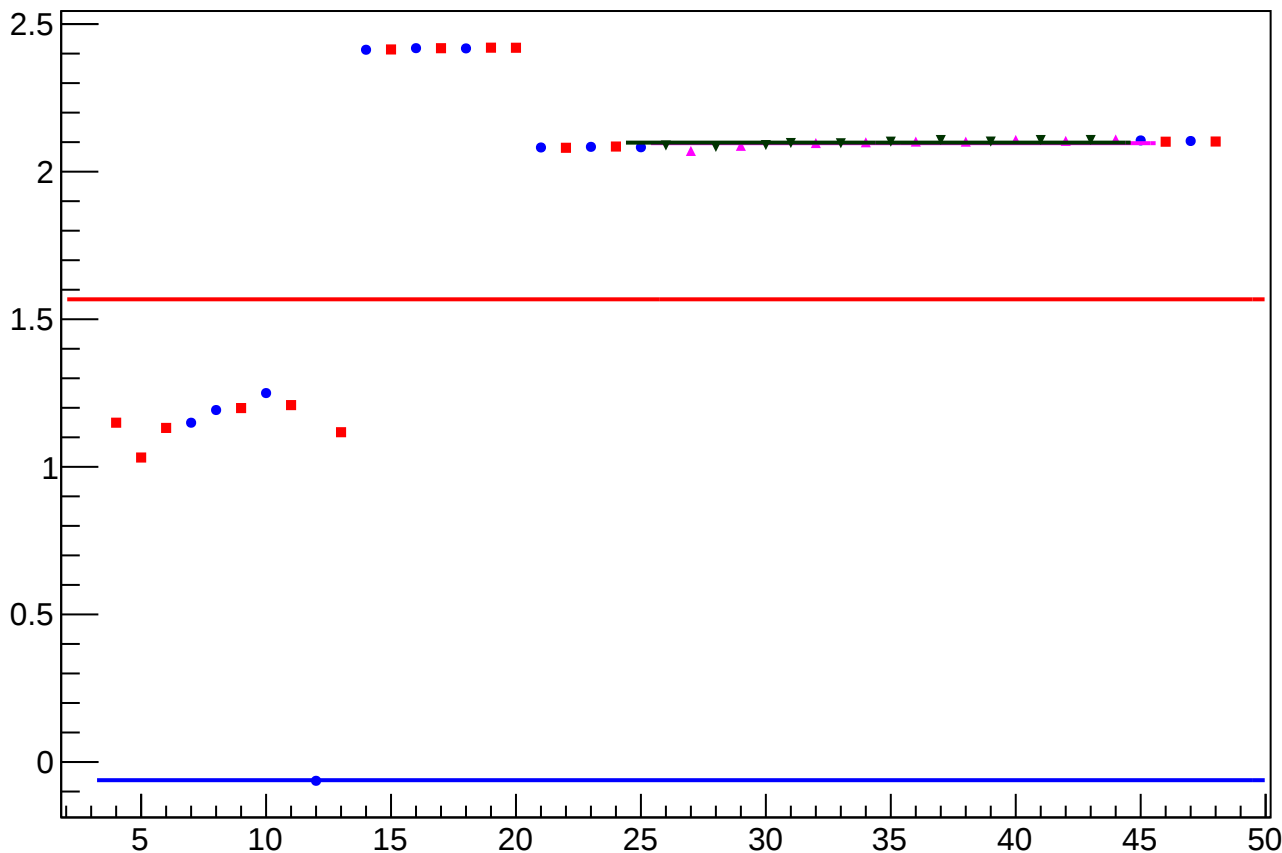
0.000+/-0.000 χ^2/NDF : 23436723.9/21

Right Out: 0.008+/-0.000 χ^2/NDF : 142266.4/13

0.008+/-0.000 χ^2/NDF : 894337.7/22

Left In: 0.010+/-0.000 χ^2/NDF : 421826.7/8

yield_bpm4acY_mean vs slug



Right In: -0.062+/-0.000 χ^2/NDF : 147462706770.0/11

Left Out: 2.098+/-0.000 χ^2/NDF : 2018647.6/9

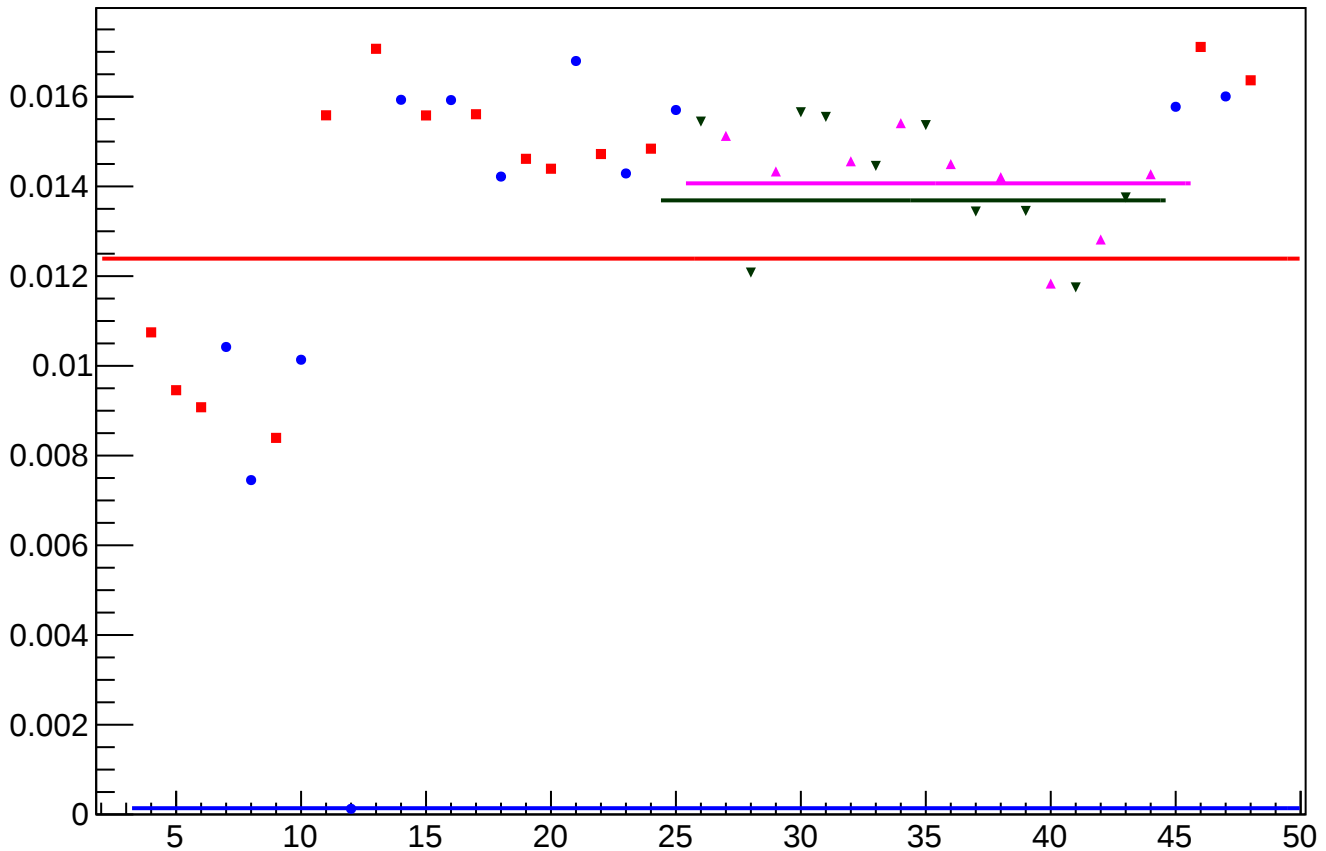
Right Out: 1.568+/-0.000 χ^2/NDF : 12377609809.6/13

Left In: 2.096+/-0.000 χ^2/NDF : 3992542.9/8

-0.060+/-0.000 χ^2/NDF : 272797954940.5/21

1.775+/-0.000 χ^2/NDF : 17069321842.9/22

yield_bpm4acY_rms vs slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 13055135.4/11

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF:106273.7/9

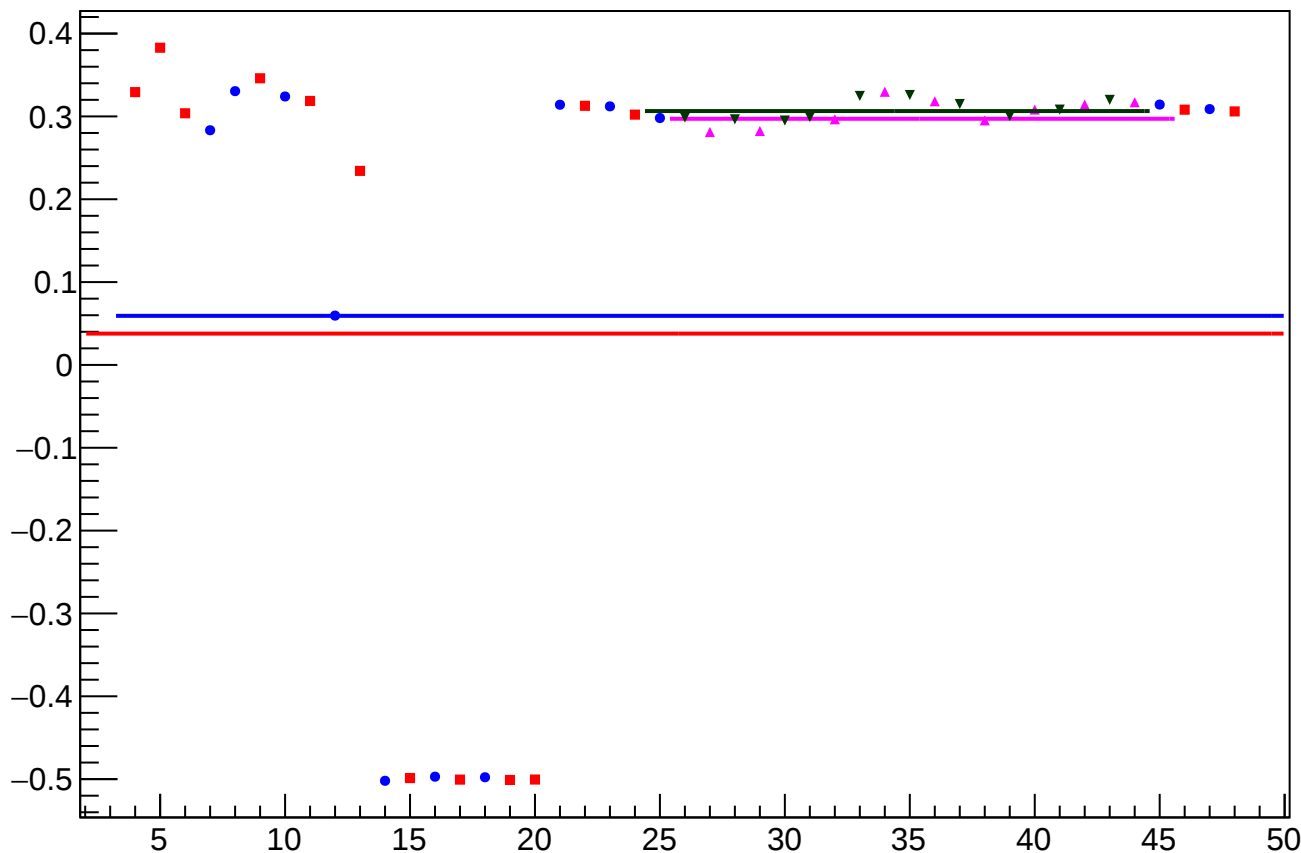
0.000 $\pm$ 0.000 χ^2 /NDF: 23025628.7/21

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 992637.9/13

0.013 $\pm$ 0.000 χ^2 /NDF: 1150360.2/22

Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:63357.4/8

yield_bpm4ecX_mean vs slug



Right In: 0.059+/-0.000 χ^2/NDF : 3735902375.6/11

Left Out: 0.306+/-0.000 χ^2/NDF :1355327.7/9

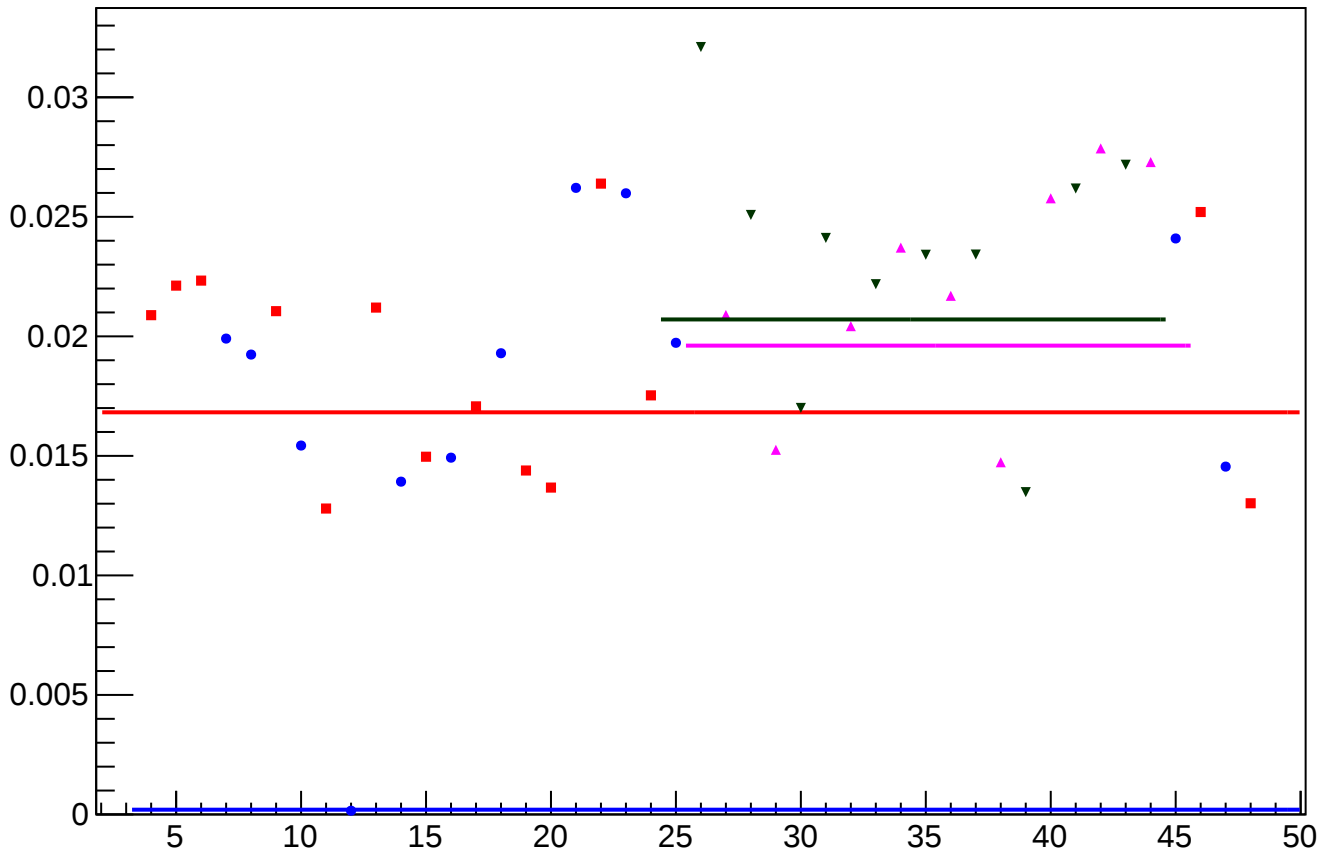
Right Out: 0.038+/-0.000 χ^2/NDF : 3409519080.6/13

Left In: 0.297+/-0.000 χ^2/NDF :3115046.5/8

0.060+/-0.000 χ^2/NDF : 4409612420.9/21

0.130+/-0.000 χ^2/NDF : 3977065492.7/22

yield_bpm4ecX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 12980407.8/11

Left Out: 0.021+/-0.000 χ^2/NDF : 655279.7/9

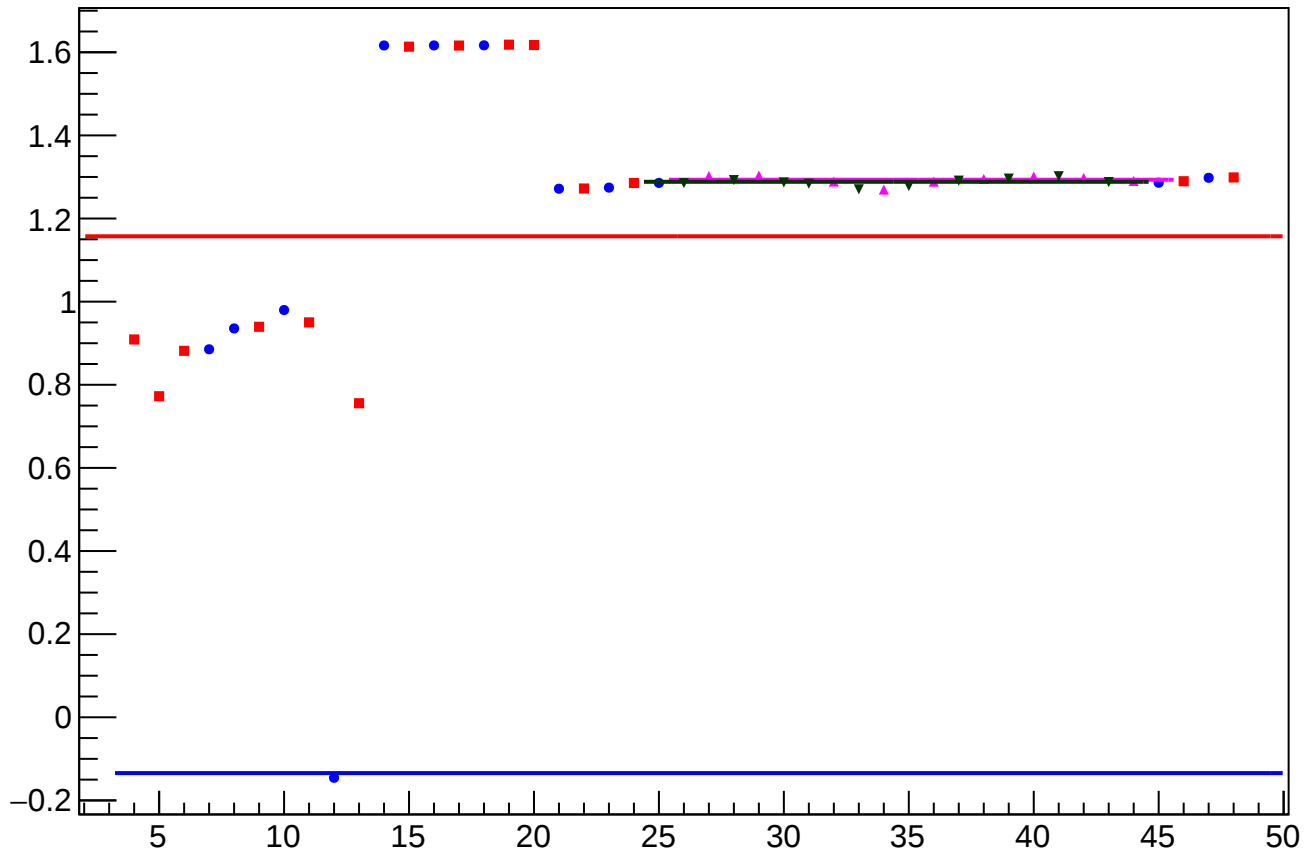
Right Out: 0.017+/-0.000 χ^2/NDF : 752678.2/13

Left In: 0.020+/-0.000 χ^2/NDF : 493445.7/8

0.000+/-0.000 χ^2/NDF : 22891511.5/21

0.018+/-0.000 χ^2/NDF : 1376816.4/22

yield_bpm4ecY_mean vs slug



Right In: -0.134+/-0.000 χ^2/NDF : 150551067106.7/11

Left Out: 1.288+/-0.000 χ^2/NDF : 3982202.6/9

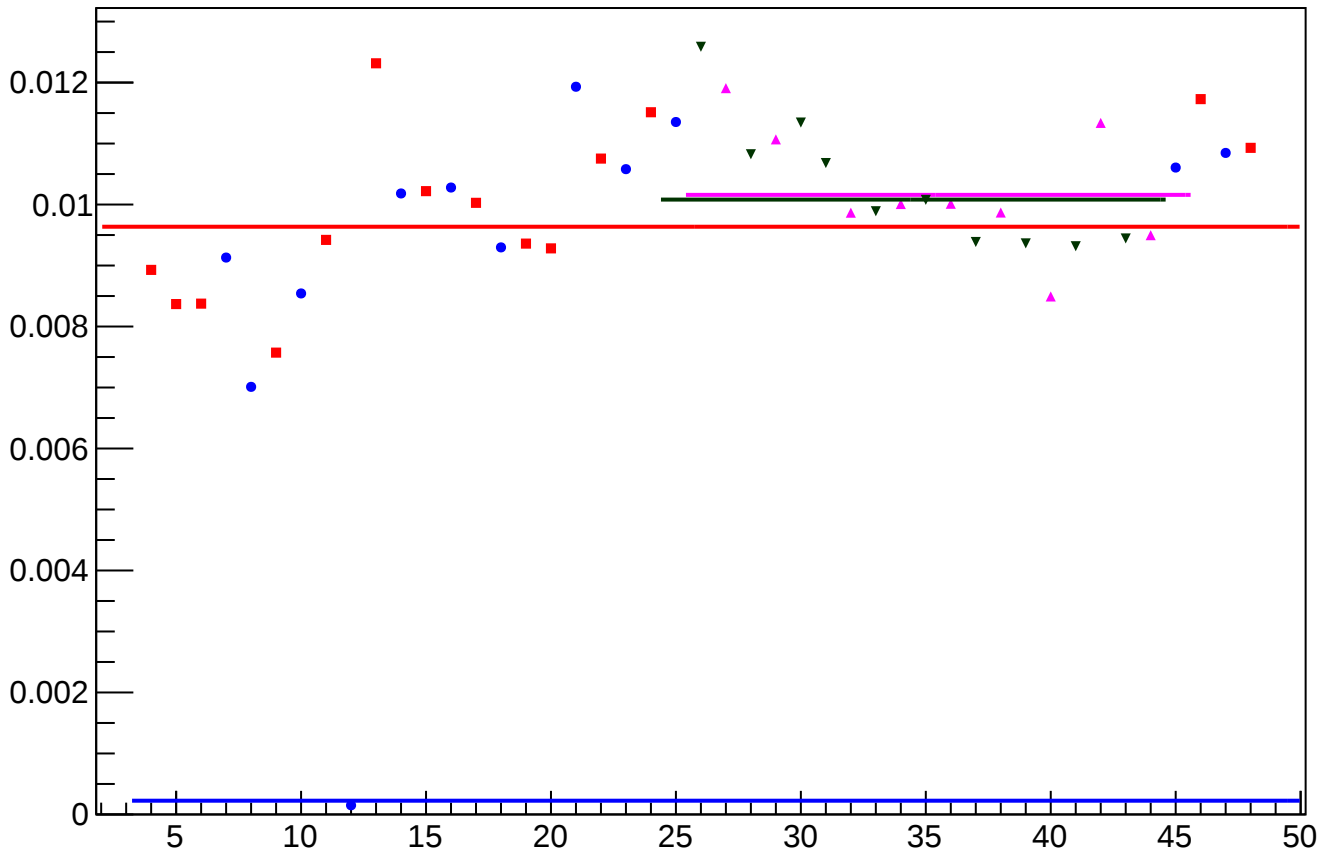
-0.127+/-0.000 χ^2/NDF : 251491608639.4/21

Right Out: 1.157+/-0.000 χ^2/NDF : 7166803341.5/13

1.213+/-0.000 χ^2/NDF : 7739195623.3/22

Left In: 1.293+/-0.000 χ^2/NDF : 4686204.8/8

yield_bpm4ecY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 12912232.5/11

Left Out: 0.010+/-0.000 χ^2/NDF : 82741.5/9

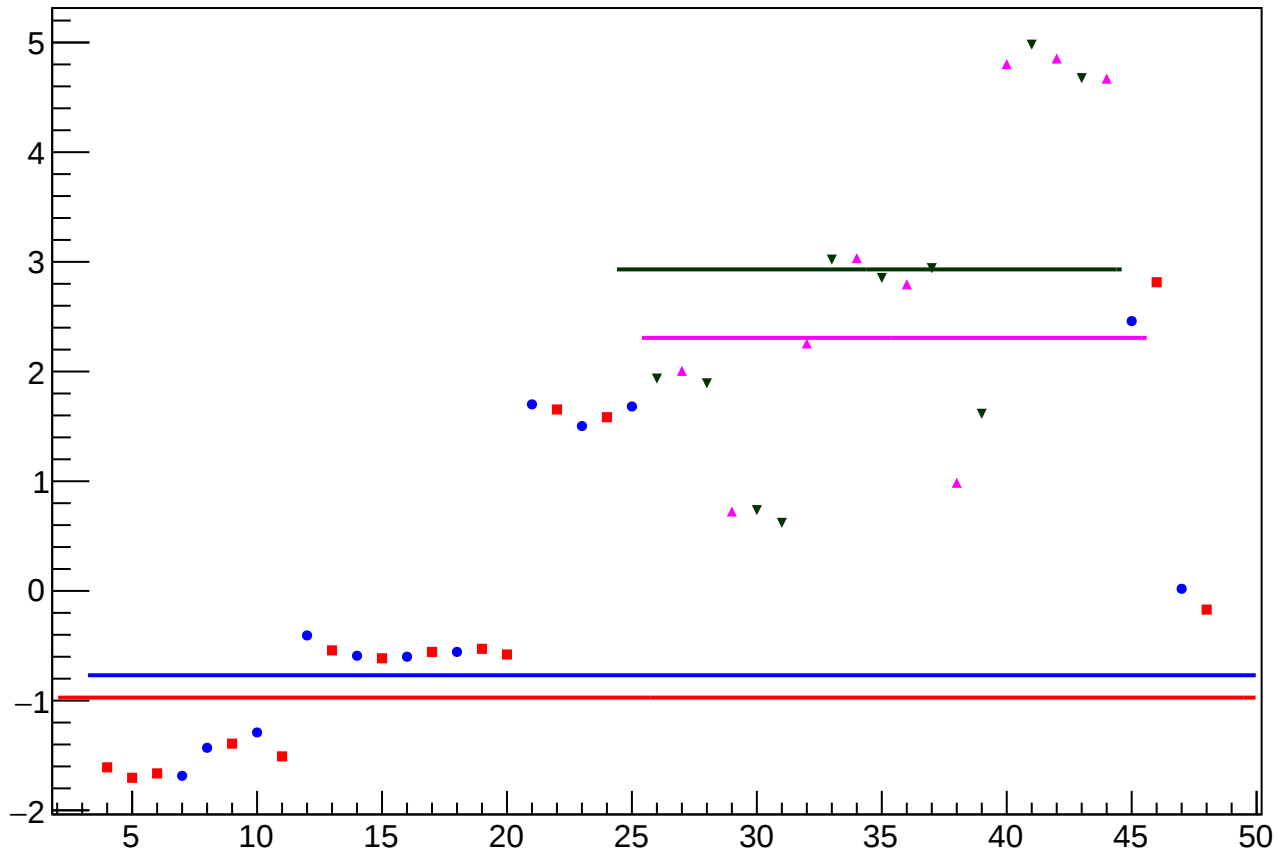
Right Out: 0.010+/-0.000 χ^2/NDF : 315975.0/13

Left In: 0.010+/-0.000 χ^2/NDF : 100961.6/8

0.000+/-0.000 χ^2/NDF : 22683866.0/21

0.010+/-0.000 χ^2/NDF : 433683.3/22

yield_bpm1X_mean vs slug



Right In: -0.769+/-0.000 χ^2/NDF : 2441838123.1/11

Left Out: 2.931+/-0.000 χ^2/NDF : 696767729.4/9

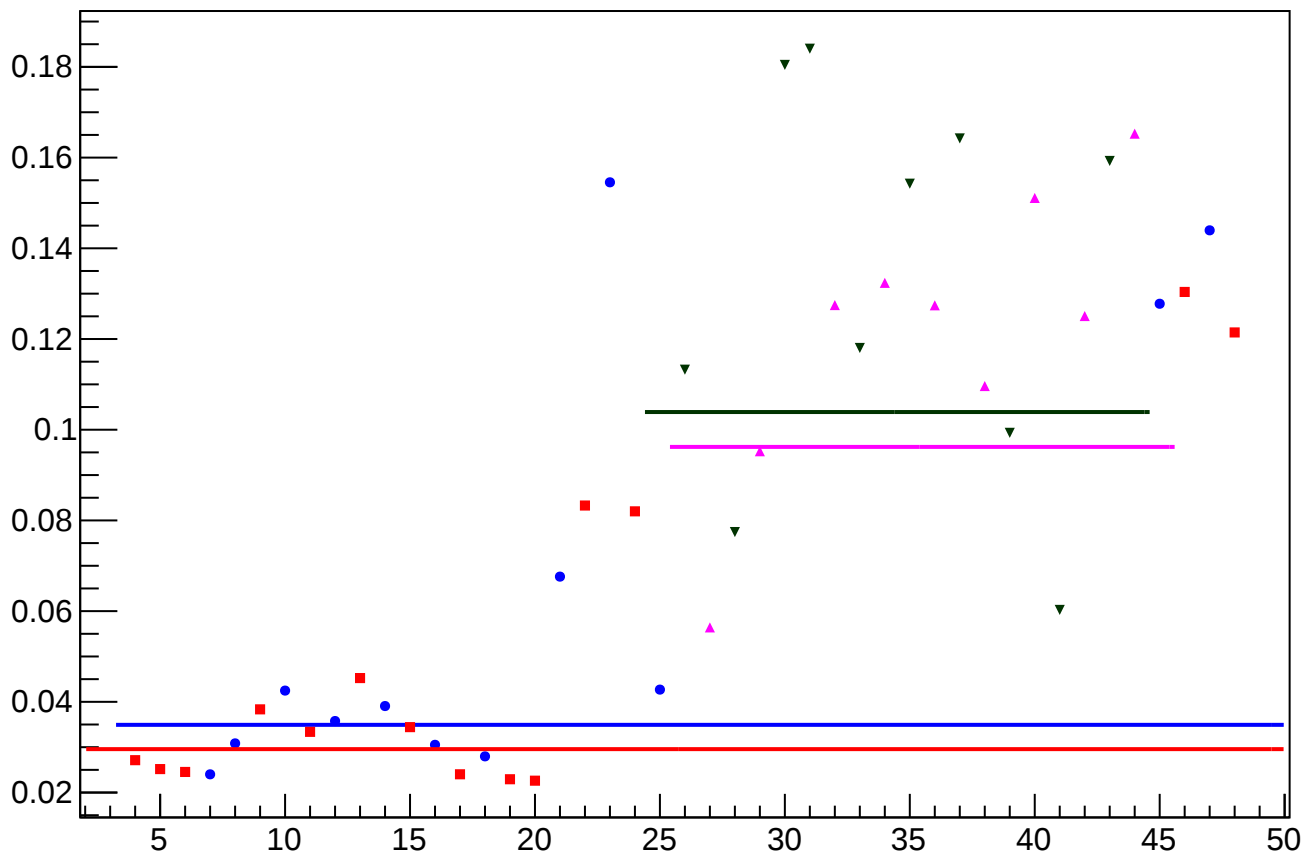
-0.483+/-0.000 χ^2/NDF : 7268854509.7/21

Right Out: -0.973+/-0.000 χ^2/NDF : 2328936114.0/13

-0.739+/-0.000 χ^2/NDF : 7119475548.3/22

Left In: 2.307+/-0.000 χ^2/NDF : 637059338.1/8

yield_bpm1X_rms vs slug



Right In: 0.035+/-0.000 χ^2/NDF : 2106708.0/11

Left Out: 0.104+/-0.000 χ^2/NDF :1068598.5/9

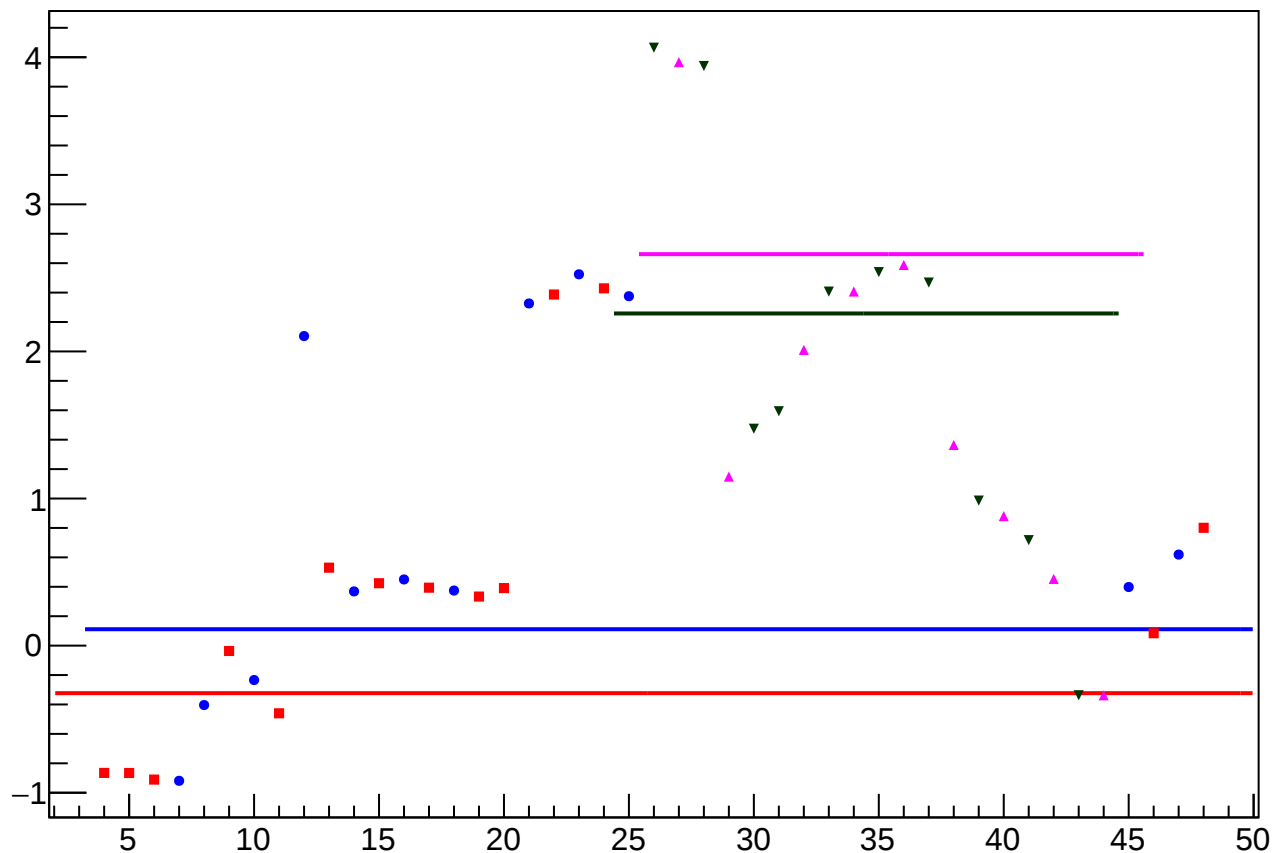
Right Out: 0.030+/-0.000 χ^2/NDF : 1851465.5/13

Left In: 0.096+/-0.000 χ^2/NDF :1062303.0/8

0.040+/-0.000 χ^2/NDF : 6045526.6/21

0.034+/-0.000 χ^2/NDF : 6343570.2/22

yield_bpm1Y_mean vs slug



Right In: 0.111+/-0.000 χ^2/NDF : 8124931816.5/11

Left Out: 2.258+/-0.000 χ^2/NDF :1464188140.1/9

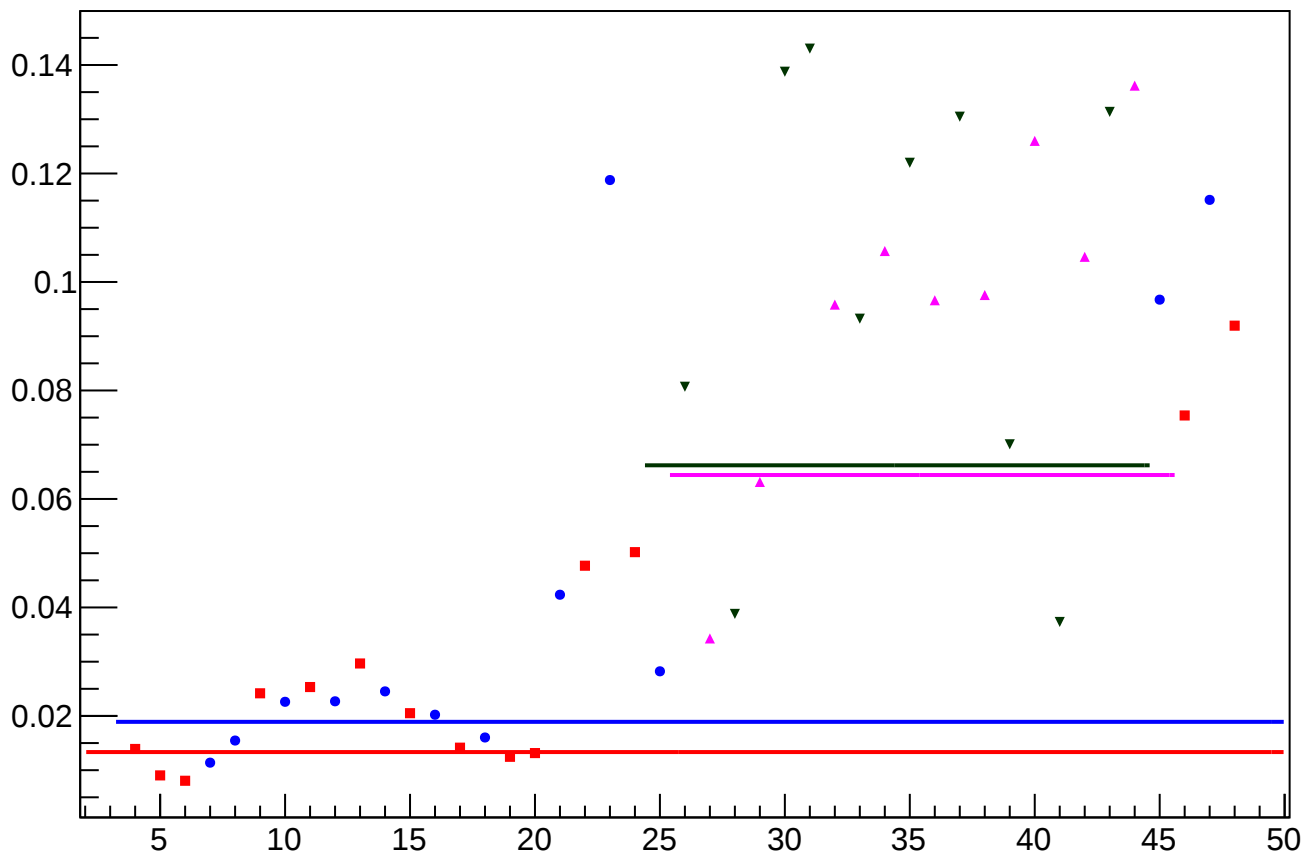
Right Out: -0.323+/-0.000 χ^2/NDF : 9354888718.1/13

Left In: 2.661+/-0.000 χ^2/NDF :1577506308.7/8

0.234+/-0.000 χ^2/NDF : 12500677910.9/21

-0.212+/-0.000 χ^2/NDF : 17894513732.4/22

yield_bpm1Y_rms vs slug



Right In: 0.019+/-0.000 χ^2/NDF : 2604383.6/11

Left Out: 0.066+/-0.000 χ^2/NDF : 1777792.9/9

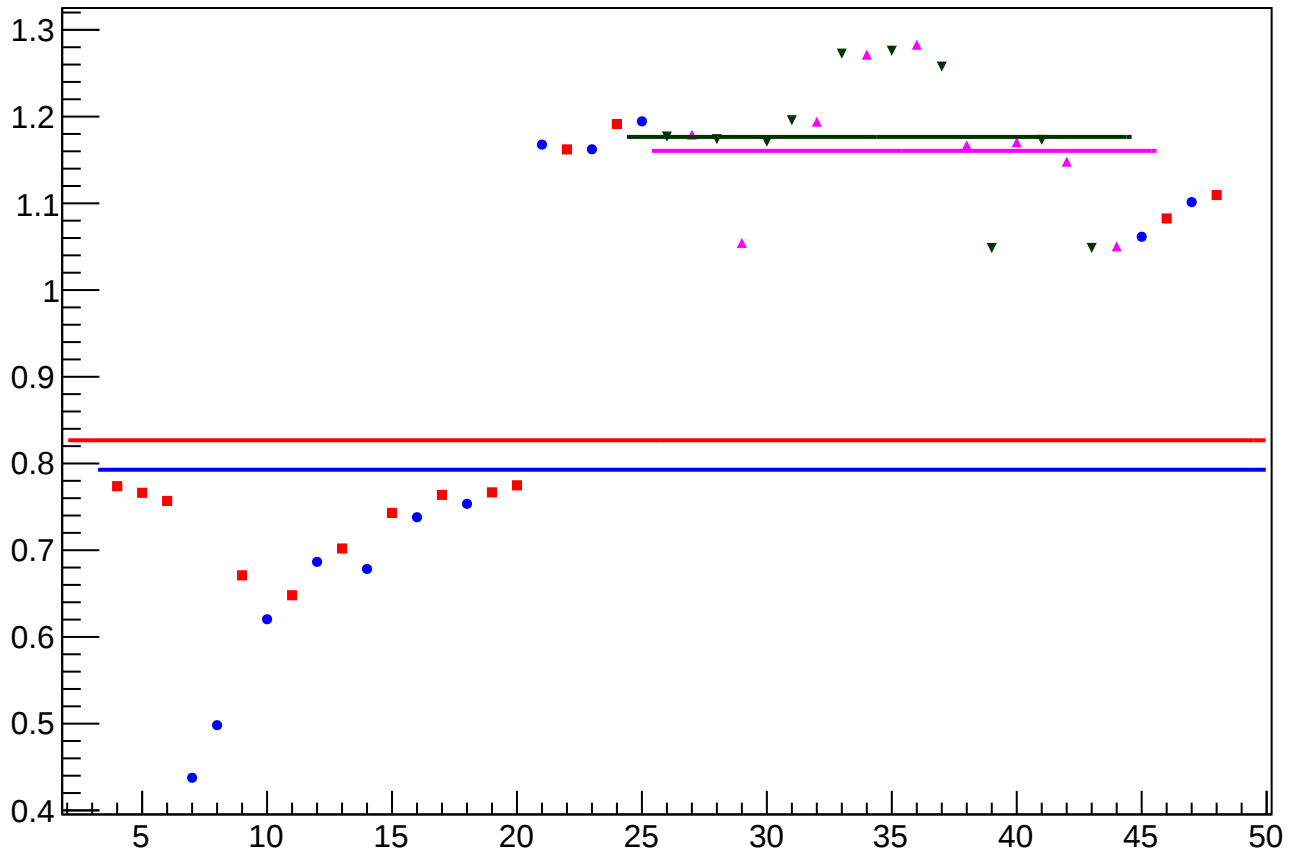
Right Out: 0.013+/-0.000 χ^2/NDF : 2815504.9/13

Left In: 0.064+/-0.000 χ^2/NDF : 1800340.3/8

0.022+/-0.000 χ^2/NDF : 7208598.4/21

0.015+/-0.000 χ^2/NDF : 8693785.3/22

yield_bpm11X_mean vs slug



Right In: 0.793+/-0.000 χ^2/NDF : 1028992727.0/11

Left Out: 1.177+/-0.000 χ^2/NDF : 56492661.1/9

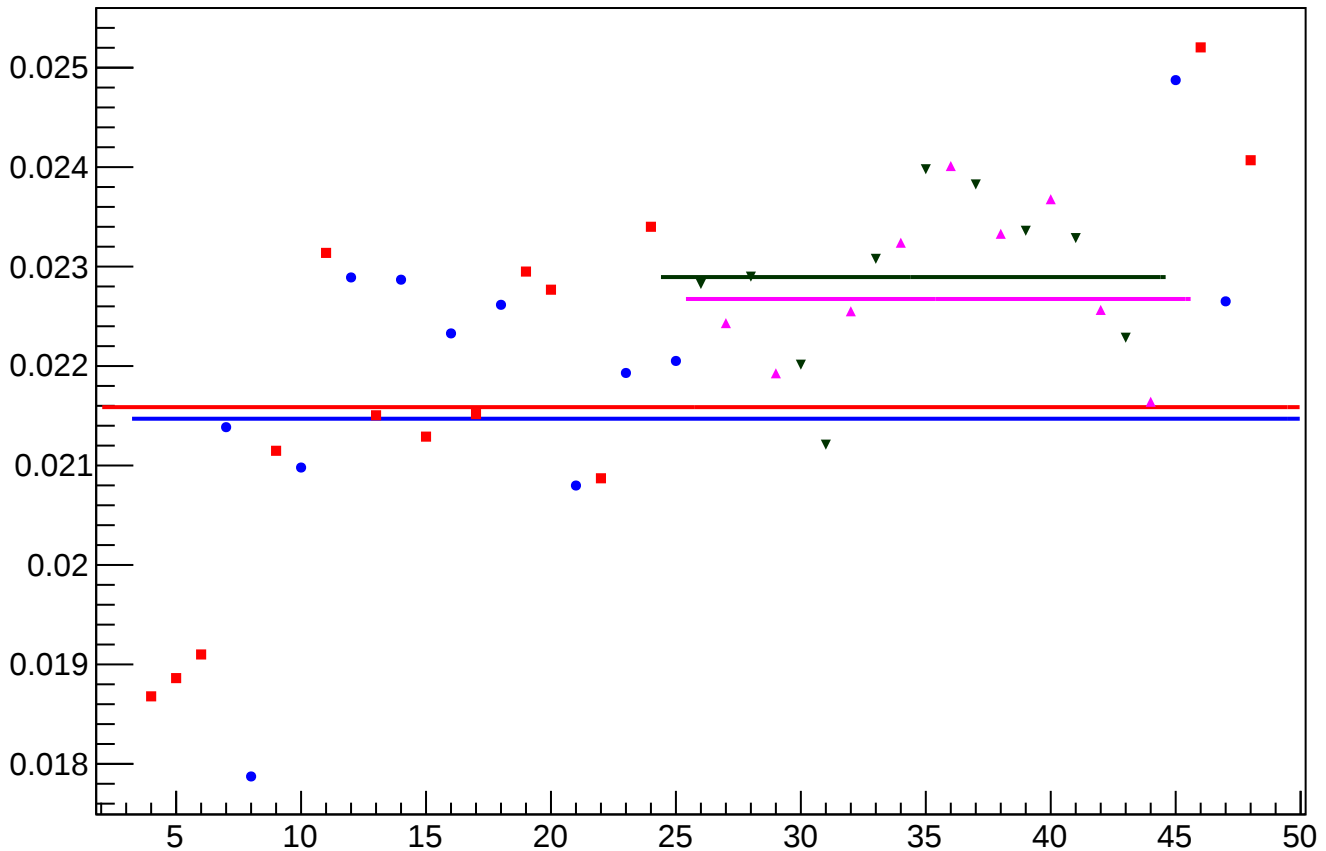
0.940+/-0.000 χ^2/NDF : 1978120755.1/21

Right Out: 0.827+/-0.000 χ^2/NDF : 512836980.8/13

0.964+/-0.000 χ^2/NDF : 1265254463.9/22

Left In: 1.161+/-0.000 χ^2/NDF : 58009580.0/8

yield_bpm11X_rms vs slug



Right In: 0.021+/-0.000 χ^2/NDF : 117027.8/11

Left Out: 0.023+/-0.000 χ^2/NDF :11436.5/9

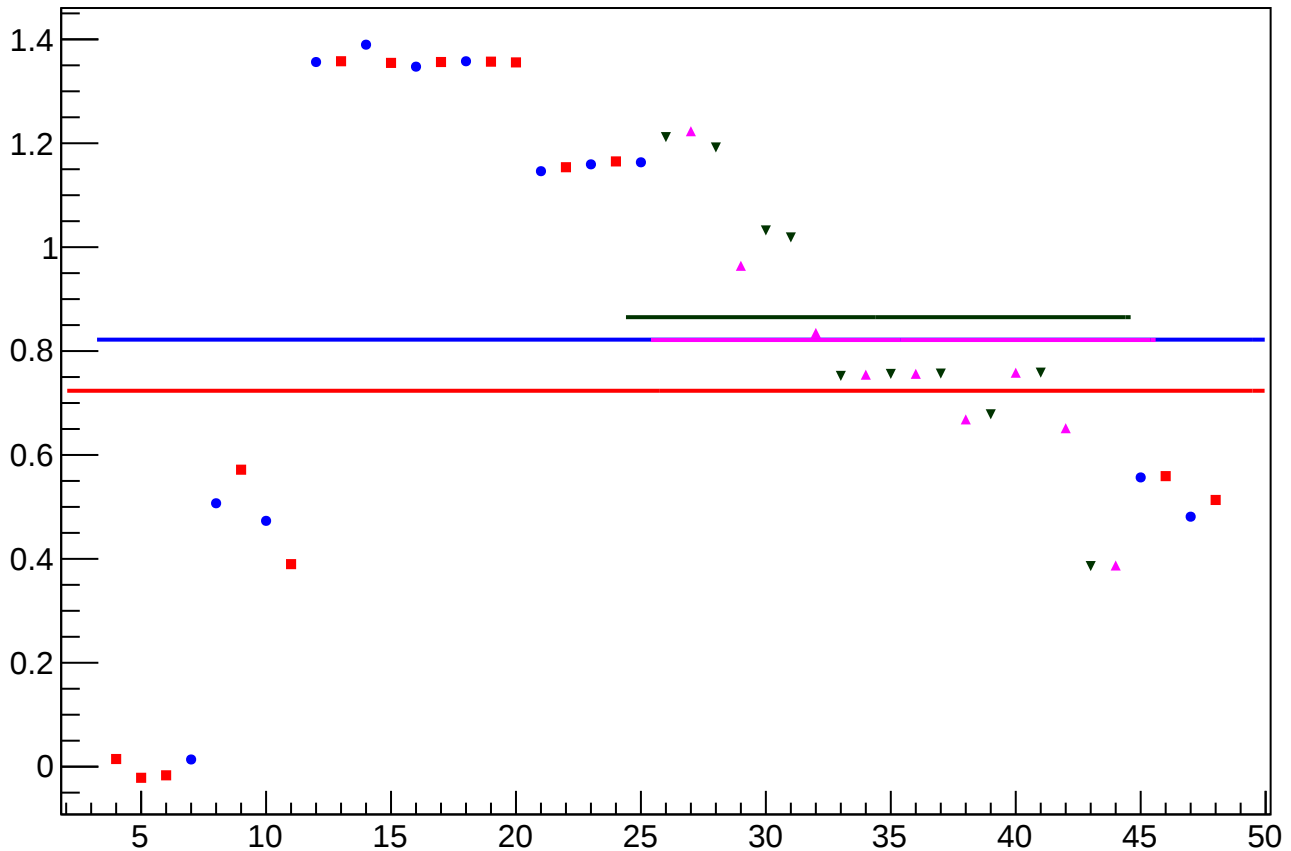
Right Out: 0.022+/-0.000 χ^2/NDF : 88732.3/13

Left In: 0.023+/-0.000 χ^2/NDF :10426.9/8

0.022+/-0.000 χ^2/NDF : 153054.8/21

0.022+/-0.000 χ^2/NDF : 113902.8/22

yield_bpm11Y_mean vs slug



Right In: 0.822+/-0.000 χ^2/NDF : 110478143778.8/11

Left Out: 0.865+/-0.000 χ^2/NDF : 19769026573.0/9

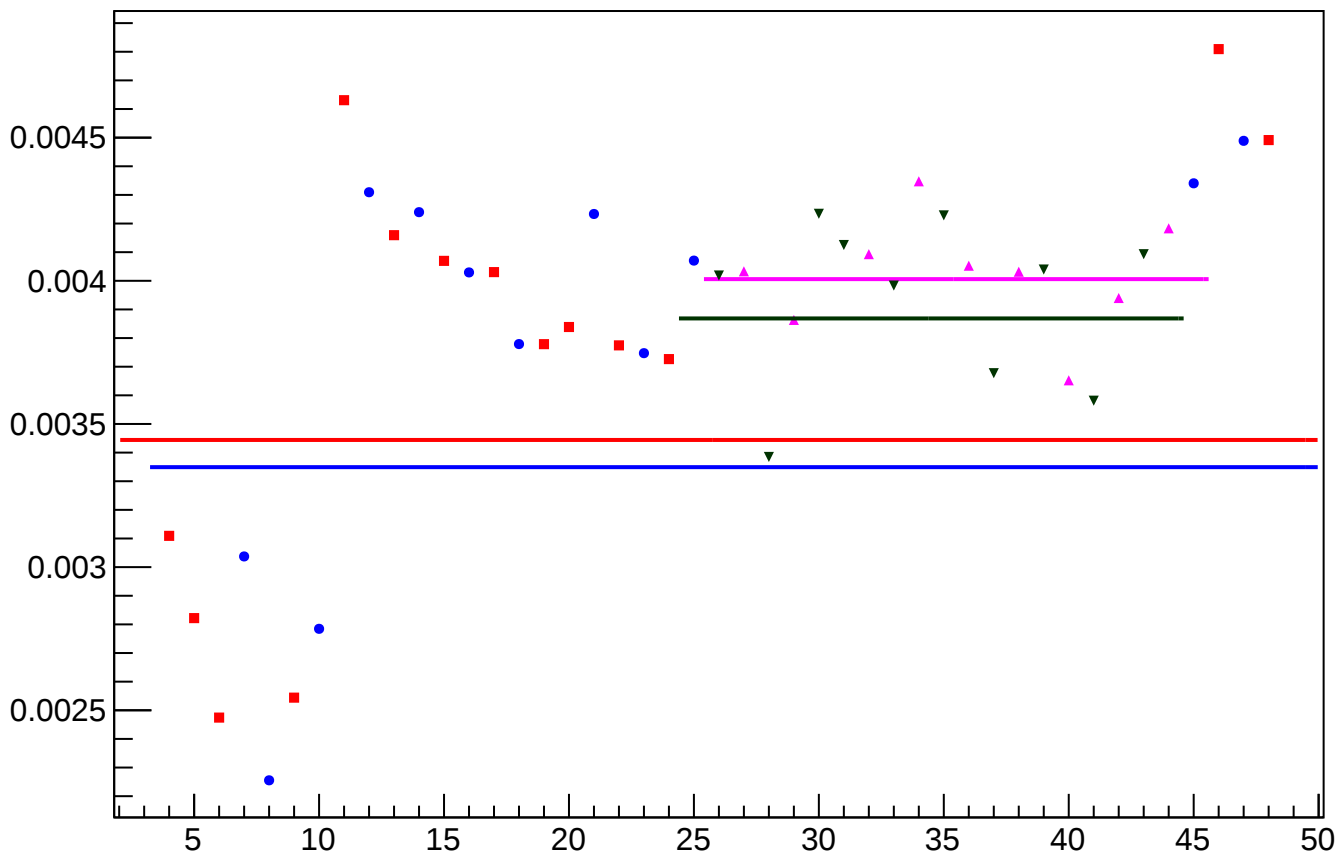
0.837+/-0.000 χ^2/NDF : 130652283160.0/21

Right Out: 0.724+/-0.000 χ^2/NDF : 164862162814.5/13

0.760+/-0.000 χ^2/NDF : 183824509200.9/22

Left In: 0.821+/-0.000 χ^2/NDF : 16931746791.3/8

yield_bpm11Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 887560.7/11

Left Out: 0.004+/-0.000 χ^2/NDF :59617.0/9

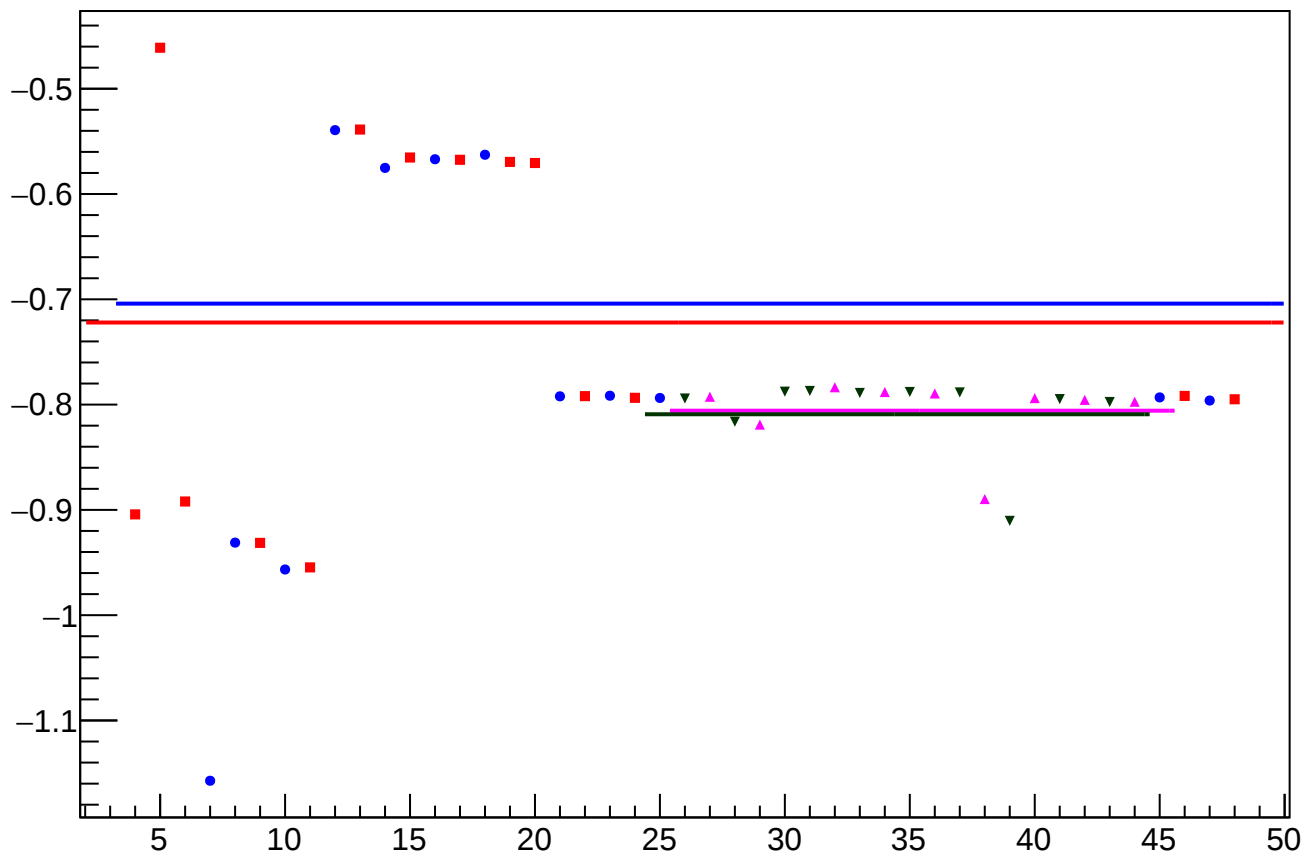
Right Out: 0.003+/-0.000 χ^2/NDF : 711197.0/13

Left In: 0.004+/-0.000 χ^2/NDF :20484.3/8

0.004+/-0.000 χ^2/NDF : 1064065.0/21

0.004+/-0.000 χ^2/NDF : 866036.9/22

yield_bpm12X_mean vs slug



Right In: -0.704+/-0.000 χ^2/NDF : 2016625939.8/11

Left Out: -0.809+/-0.000 χ^2/NDF : 119027161.1/9

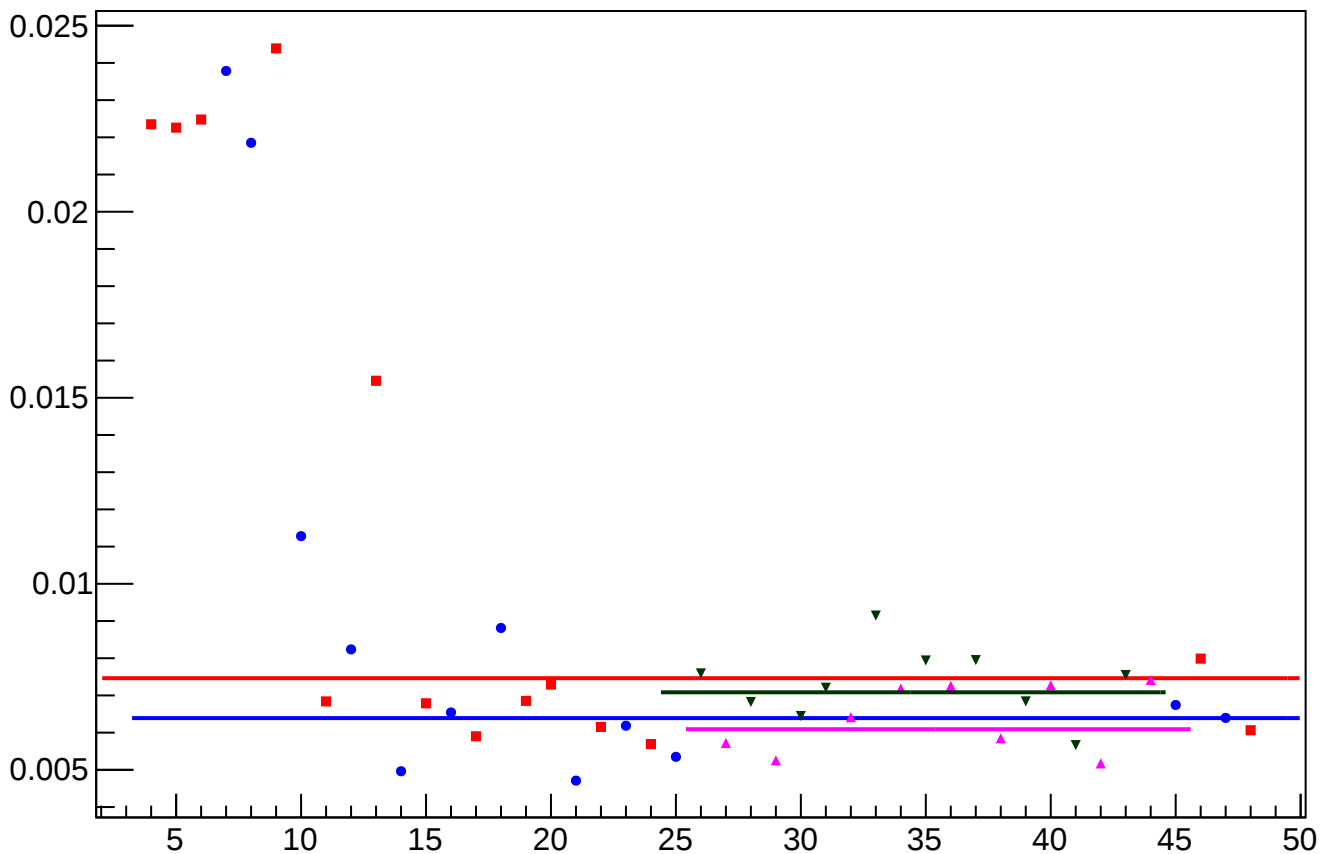
Right Out: -0.722+/-0.000 χ^2/NDF : 1809537227.4/13

Left In: -0.806+/-0.000 χ^2/NDF : 95429738.5/8

-0.745+/-0.000 χ^2/NDF : 2665920236.7/21

-0.768+/-0.000 χ^2/NDF : 2245065355.4/22

yield_bpm12X_rms vs slug



Right In: 0.006+/-0.000 χ^2/NDF : 1835649.4/11

Left Out: 0.007+/-0.000 χ^2/NDF :128168.7/9

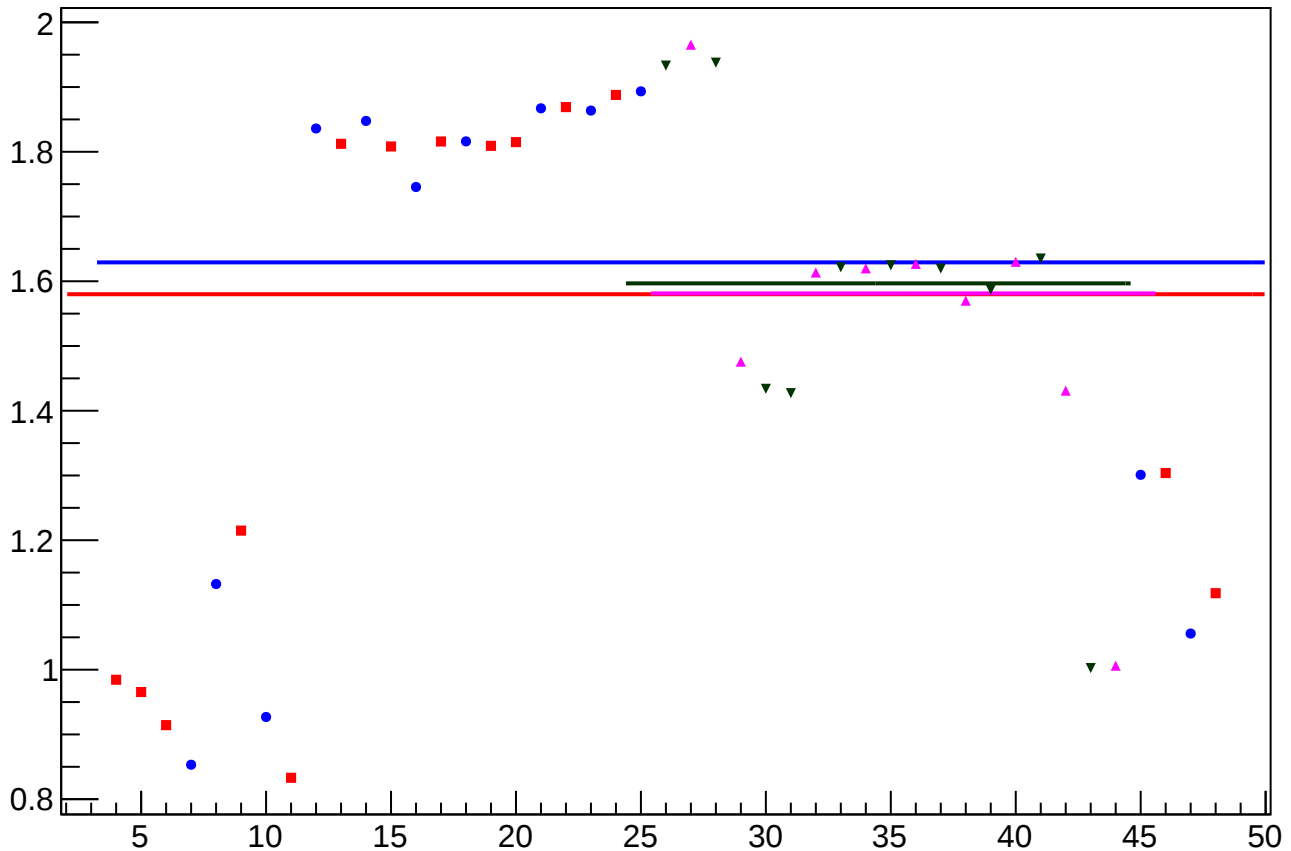
0.007+/-0.000 χ^2/NDF : 2010000.1/21

Right Out: 0.007+/-0.000 χ^2/NDF : 2336578.4/13

0.007+/-0.000 χ^2/NDF : 2661166.8/22

Left In: 0.006+/-0.000 χ^2/NDF :142266.3/8

yield_bpm12Y_mean vs slug



Right In: 1.629 $\pm$ 0.000 χ^2/NDF : 16866985760.2/11

Left Out: 1.597 $\pm$ 0.000 χ^2/NDF : 6672070685.1/9

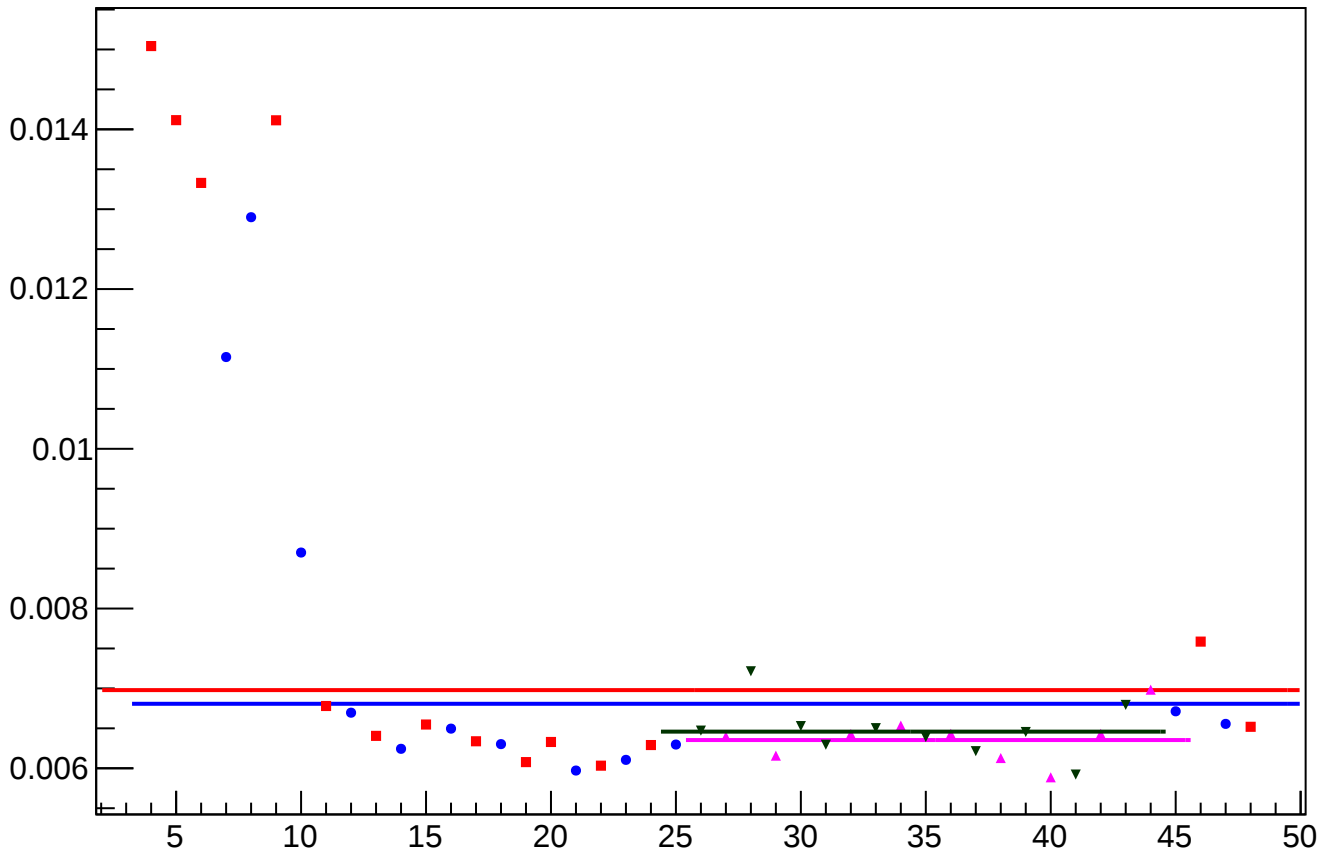
1.615 $\pm$ 0.000 χ^2/NDF : 23606944785.9/21

Right Out: 1.580 $\pm$ 0.000 χ^2/NDF : 18986988000.0/13

1.581 $\pm$ 0.000 χ^2/NDF : 25744028306.4/22

Left In: 1.581 $\pm$ 0.000 χ^2/NDF : 6756929993.8/8

yield_bpm12Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 602847.9/11

Left Out: 0.006+/-0.000 χ^2/NDF :26704.2/9

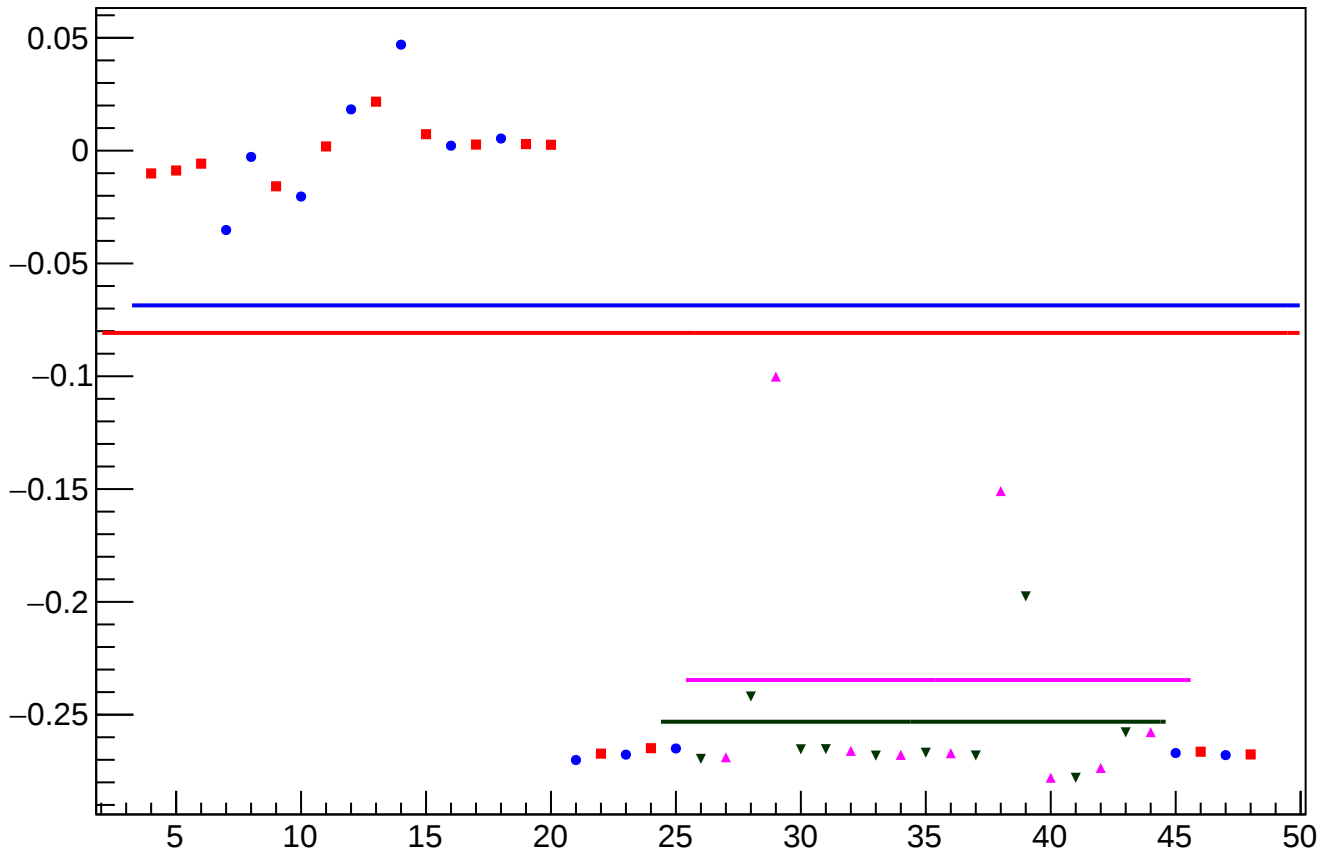
Right Out: 0.007+/-0.000 χ^2/NDF : 983325.5/13

Left In: 0.006+/-0.000 χ^2/NDF :17689.1/8

0.007+/-0.000 χ^2/NDF : 645245.5/21

0.007+/-0.000 χ^2/NDF : 1051094.1/22

yield_bpm16X_mean vs slug



Right In: -0.069+/-0.000 χ^2/NDF : 3947507242.7/11

Left Out: -0.253+/-0.000 χ^2/NDF : 114103318.3/9

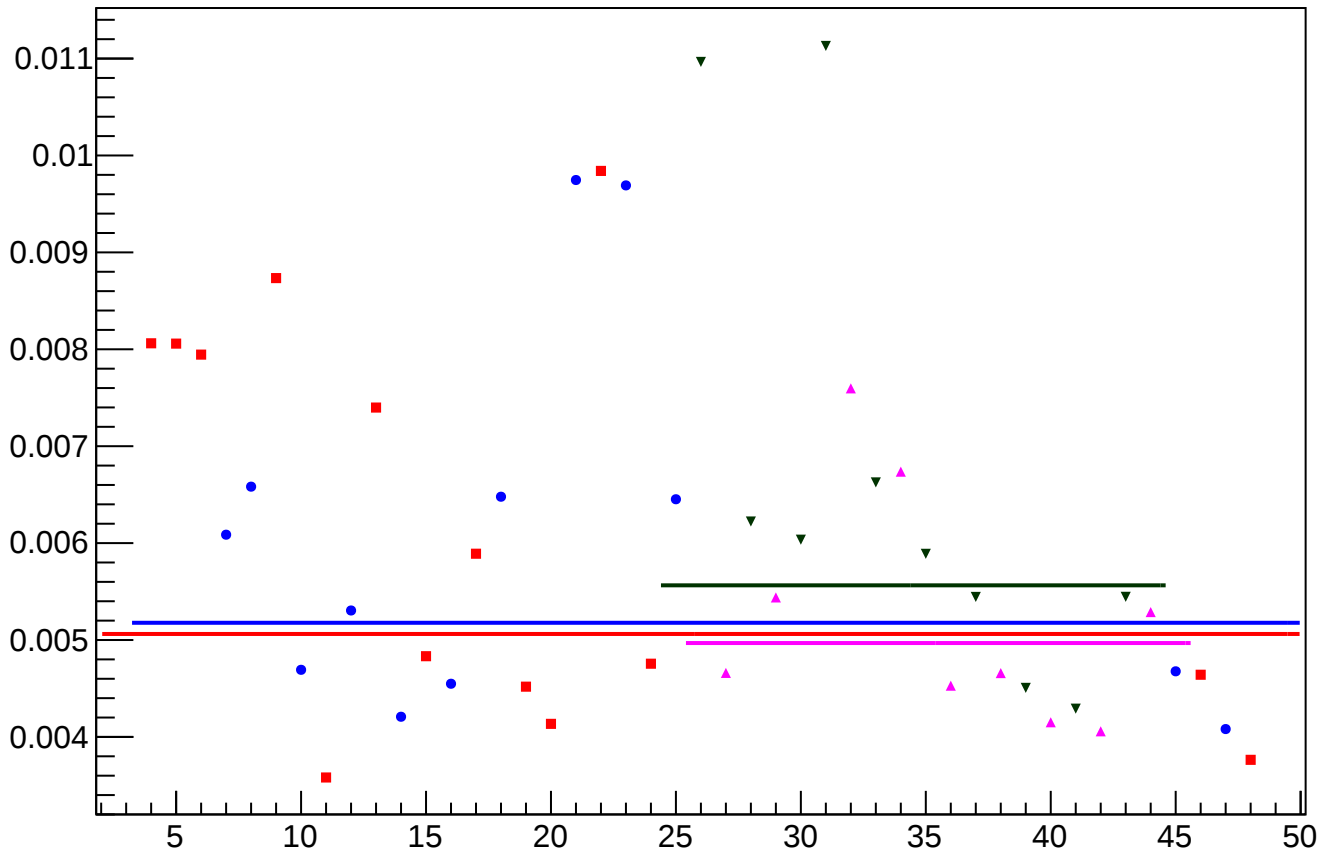
-0.138+/-0.000 χ^2/NDF : 7133911675.1/21

Right Out: -0.081+/-0.000 χ^2/NDF : 3715313399.0/13

-0.150+/-0.000 χ^2/NDF : 7040615337.0/22

Left In: -0.235+/-0.000 χ^2/NDF : 787599053.3/8

yield_bpm16X_rms vs slug



Right In: 0.005 $\pm$ 0.000 χ^2/NDF : 901955.6/11

Left Out: 0.006 $\pm$ 0.000 χ^2/NDF : 608011.7/9

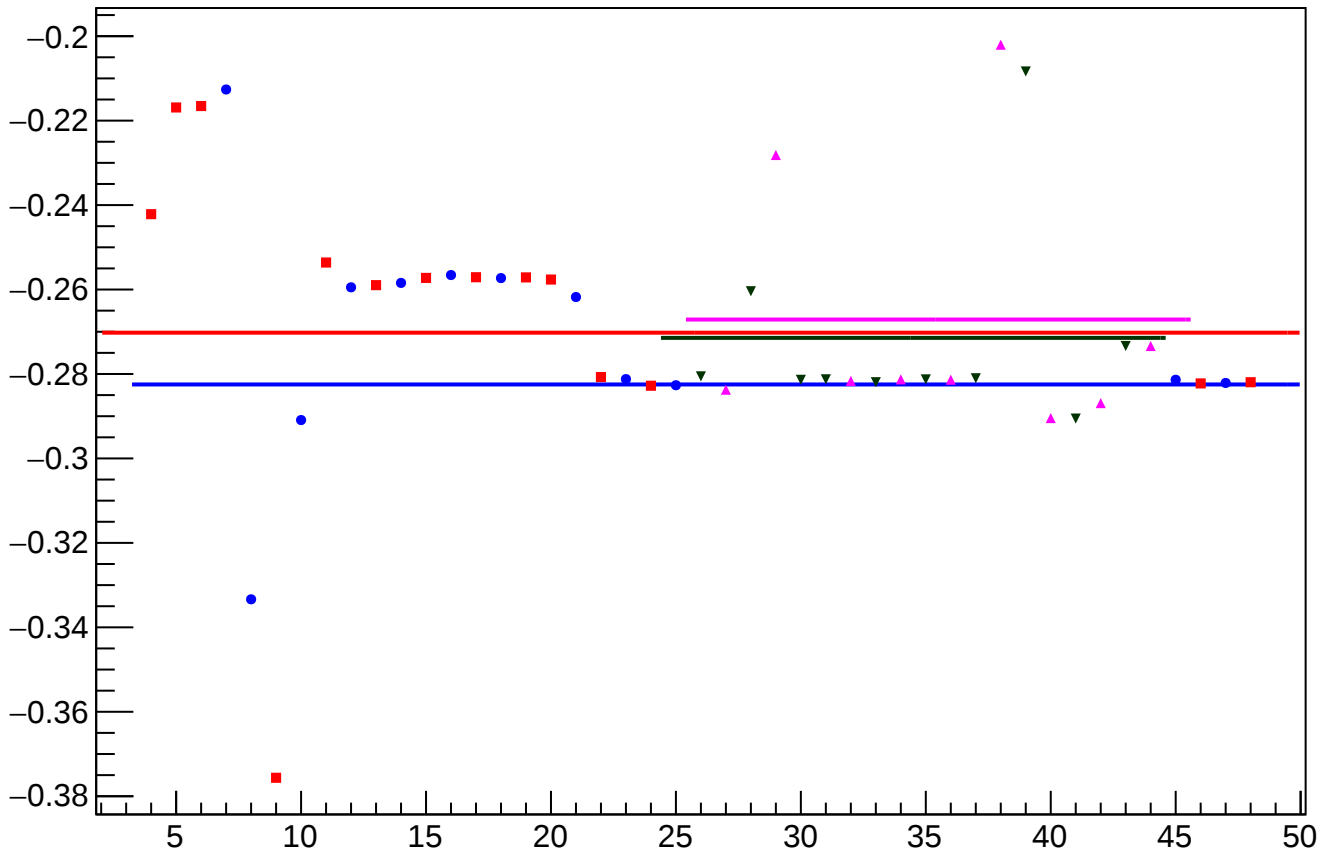
0.005 $\pm$ 0.000 χ^2/NDF : 1536906.4/21

Right Out: 0.005 $\pm$ 0.000 χ^2/NDF : 1331329.2/13

0.005 $\pm$ 0.000 χ^2/NDF : 1699685.1/22

Left In: 0.005 $\pm$ 0.000 χ^2/NDF : 366477.9/8

yield_bpm16Y_mean vs slug



Right In: -0.282 $\pm$ 0.000 χ^2 /NDF: 1067141471.5/11

Left Out: -0.271 $\pm$ 0.000 χ^2 /NDF: 349277523.0/9

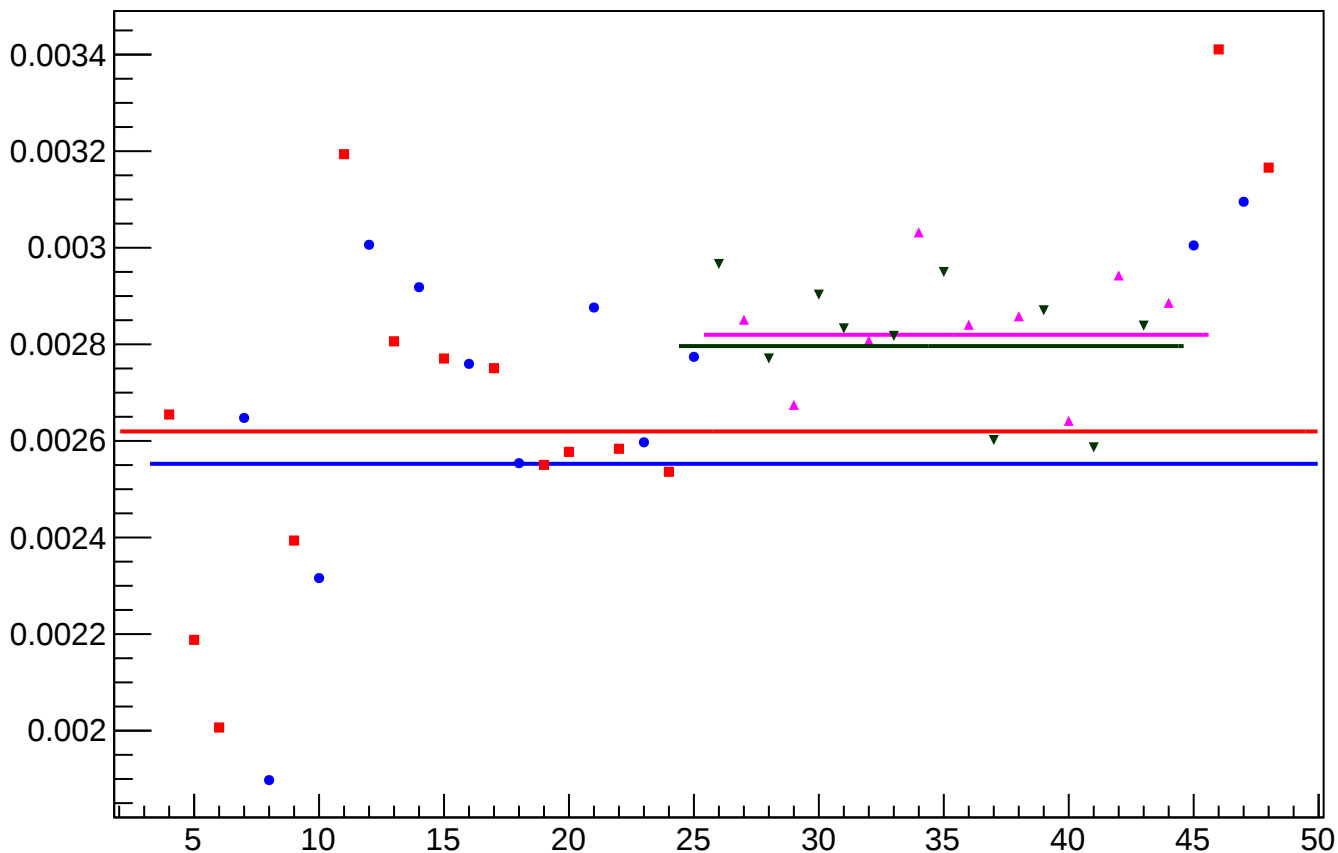
-0.278 $\pm$ 0.000 χ^2 /NDF: 1466384146.8/21

Right Out: -0.270 $\pm$ 0.000 χ^2 /NDF: 1948841668.1/13

-0.269 $\pm$ 0.000 χ^2 /NDF: 2506460134.0/22

Left In: -0.267 $\pm$ 0.000 χ^2 /NDF: 553669253.3/8

yield_bpm16Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 369448.2/11

Left Out: 0.003+/-0.000 χ^2/NDF : 22003.3/9

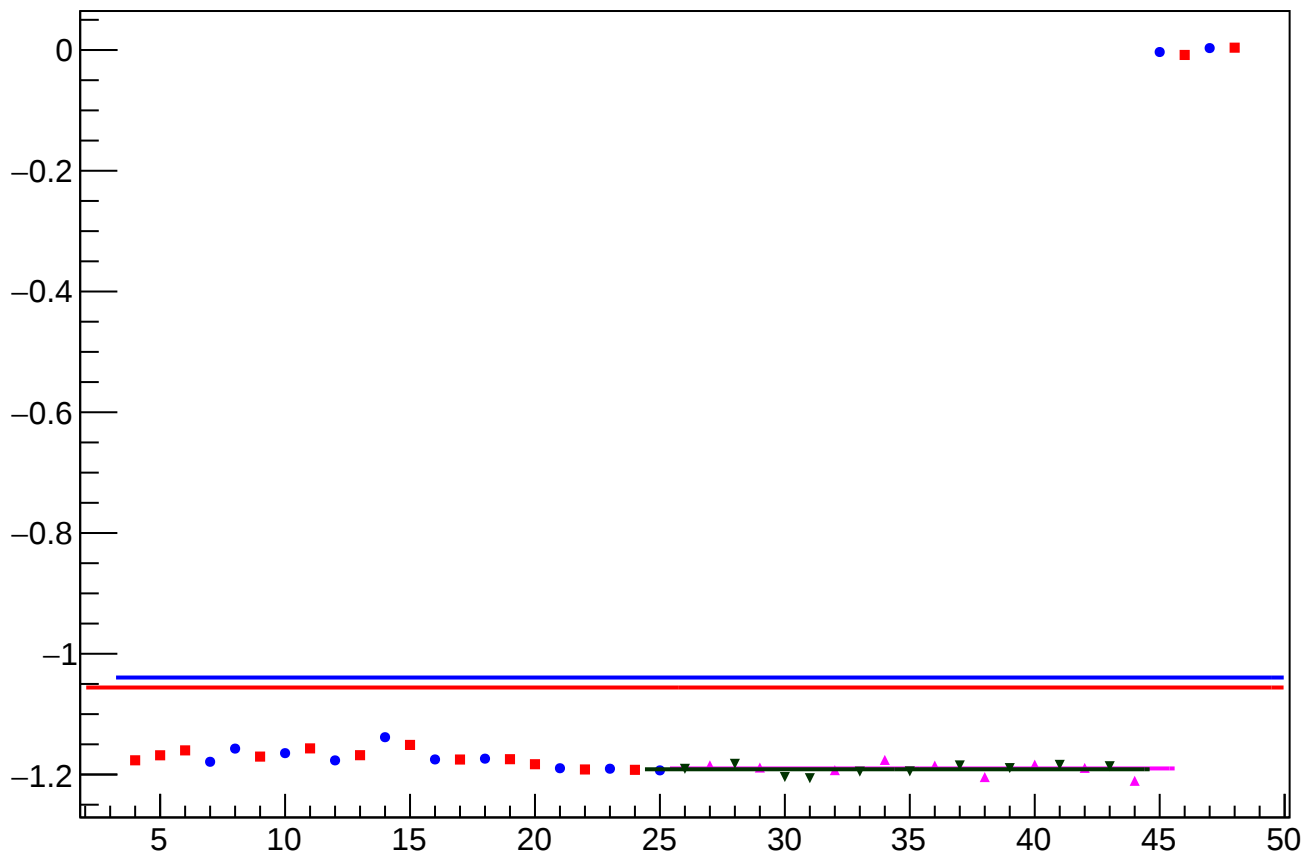
Right Out: 0.003+/-0.000 χ^2/NDF : 259496.1/13

Left In: 0.003+/-0.000 χ^2/NDF : 16488.2/8

0.003+/-0.000 χ^2/NDF : 440214.6/21

0.003+/-0.000 χ^2/NDF : 308647.7/22

yield_bpm2i01X_mean vs slug



Right In: -1.039+/-0.000 χ^2/NDF : 19490582224.7/11

Left Out: -1.191+/-0.000 χ^2/NDF : 4812748.3/9

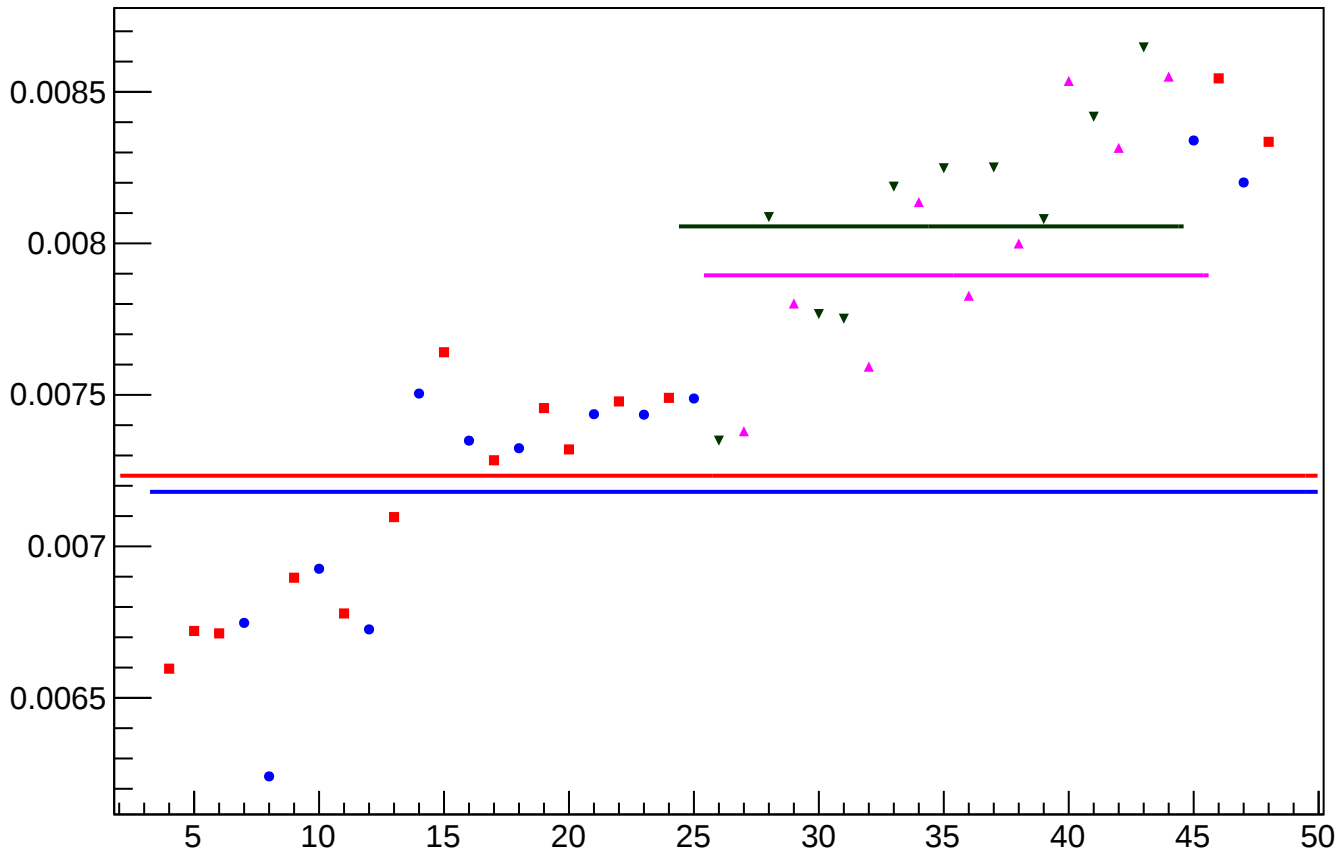
Right Out: -1.056+/-0.000 χ^2/NDF : 16885414255.7/13

Left In: -1.190+/-0.000 χ^2/NDF : 6924812.0/8

-1.094+/-0.000 χ^2/NDF : 20693921772.8/21

-1.108+/-0.000 χ^2/NDF : 17865307857.5/22

yield_bpm2i01X_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 98063.6/11

Left Out: 0.008+/-0.000 χ^2/NDF : 19479.9/9

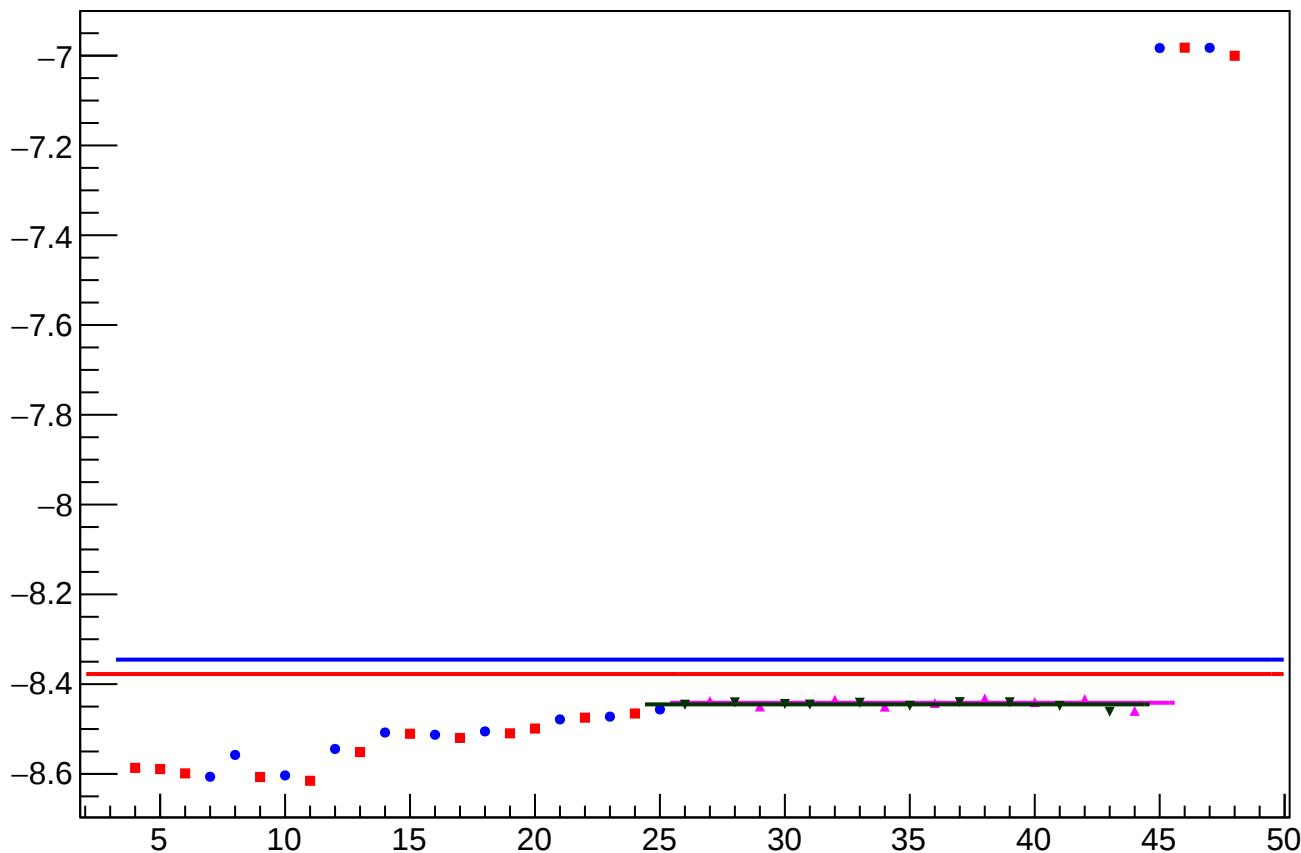
Right Out: 0.007+/-0.000 χ^2/NDF : 72319.4/13

Left In: 0.008+/-0.000 χ^2/NDF : 26175.0/8

0.007+/-0.000 χ^2/NDF : 197199.3/21

0.007+/-0.000 χ^2/NDF : 145851.6/22

yield_bpm2i01Y_mean vs slug



Right In: -8.345+/-0.000 χ^2/NDF : 40194706112.9/11

Left Out: -8.445+/-0.000 χ^2/NDF : 3367094.4/9

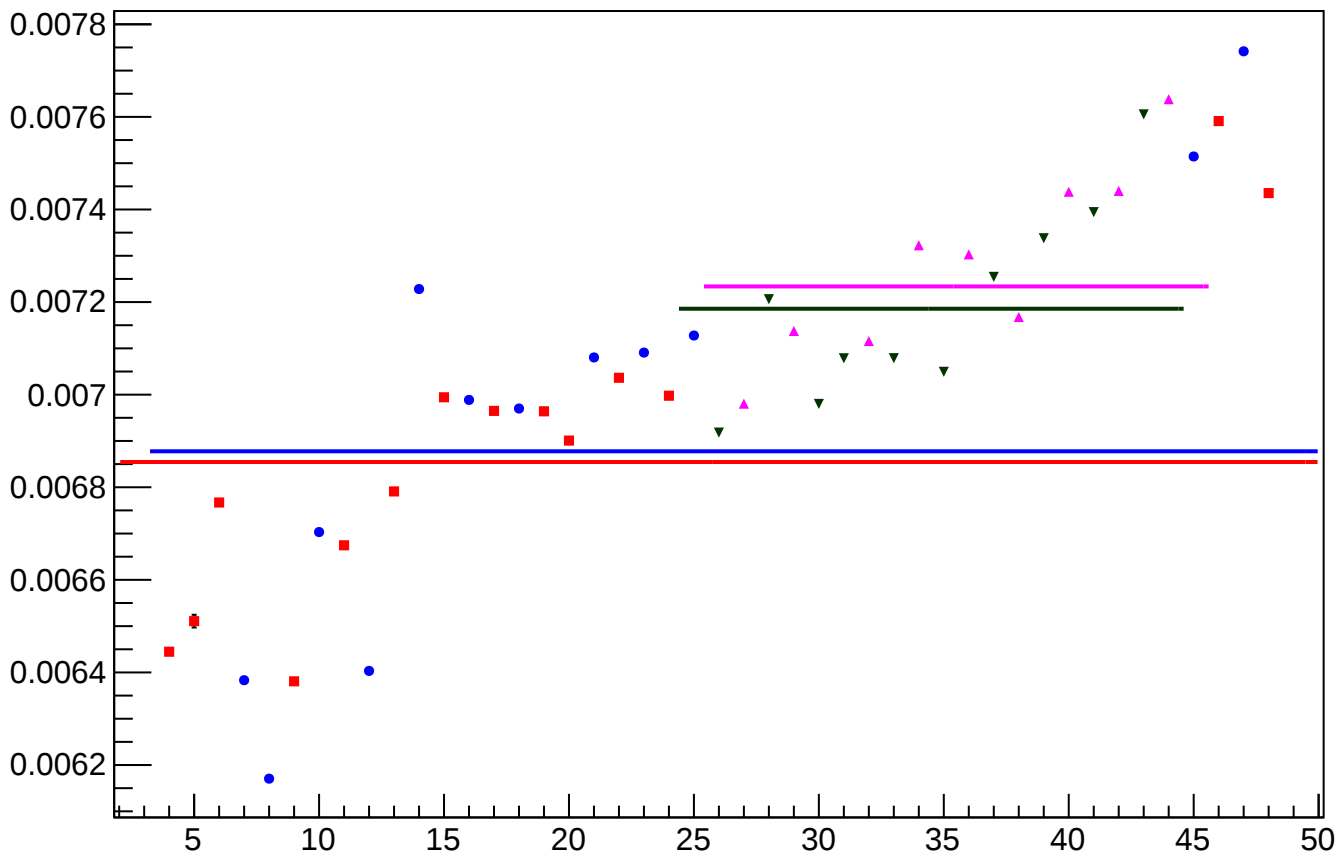
Right Out: -8.377+/-0.000 χ^2/NDF : 37476581505.2/13

Left In: -8.441+/-0.000 χ^2/NDF : 7266938.1/8

-8.385+/-0.000 χ^2/NDF : 40821761608.0/21

-8.404+/-0.000 χ^2/NDF : 37744891652.4/22

yield_bpm2i01Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 63535.2/11

Left Out: 0.007+/-0.000 χ^2/NDF : 7631.6/9

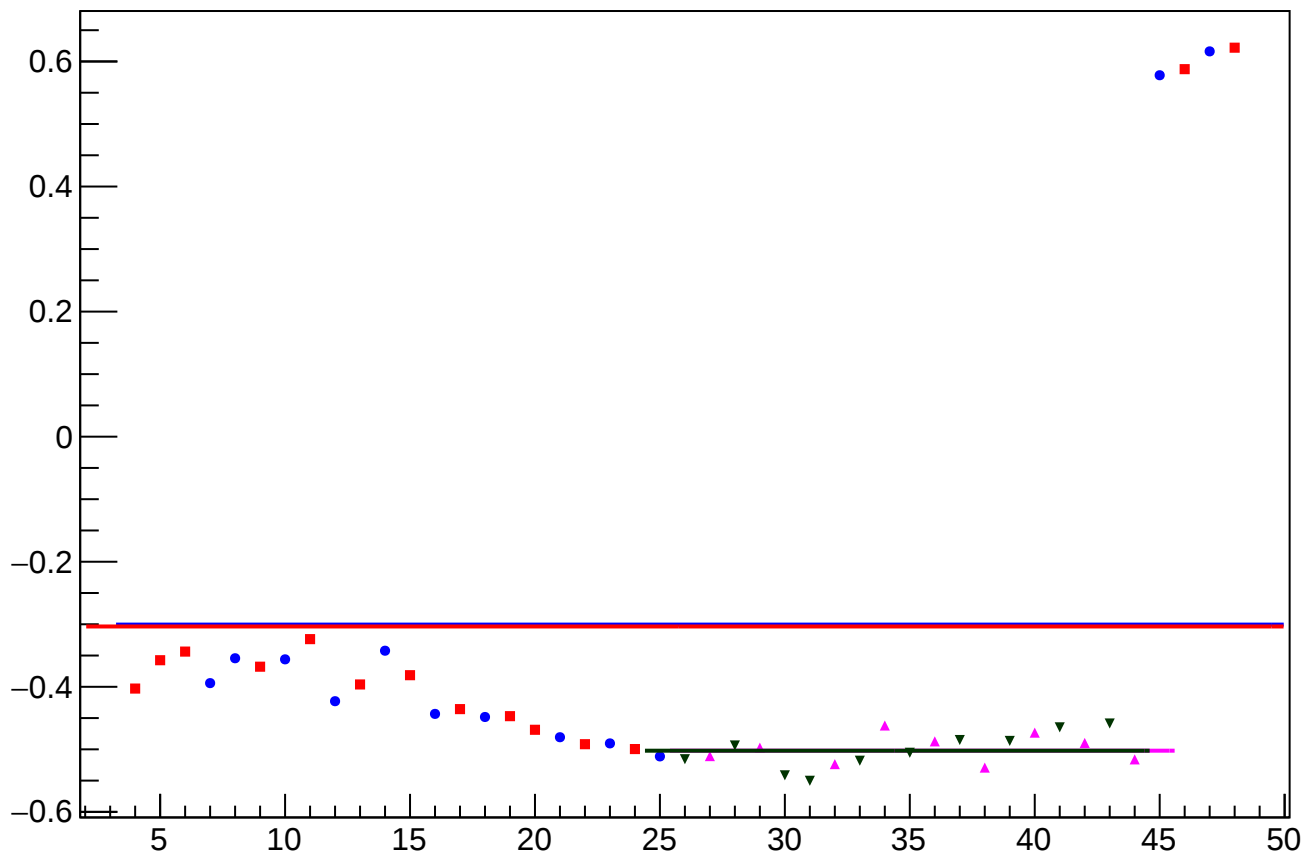
Right Out: 0.007+/-0.000 χ^2/NDF : 30870.0/13

Left In: 0.007+/-0.000 χ^2/NDF : 7802.2/8

0.007+/-0.000 χ^2/NDF : 83072.5/21

0.007+/-0.000 χ^2/NDF : 57006.7/22

yield_bpm2i02X_mean vs slug



Right In: -0.301+/-0.000 χ^2/NDF : 2250738141.9/11

Left Out: -0.502+/-0.000 χ^2/NDF : 9337230.3/9

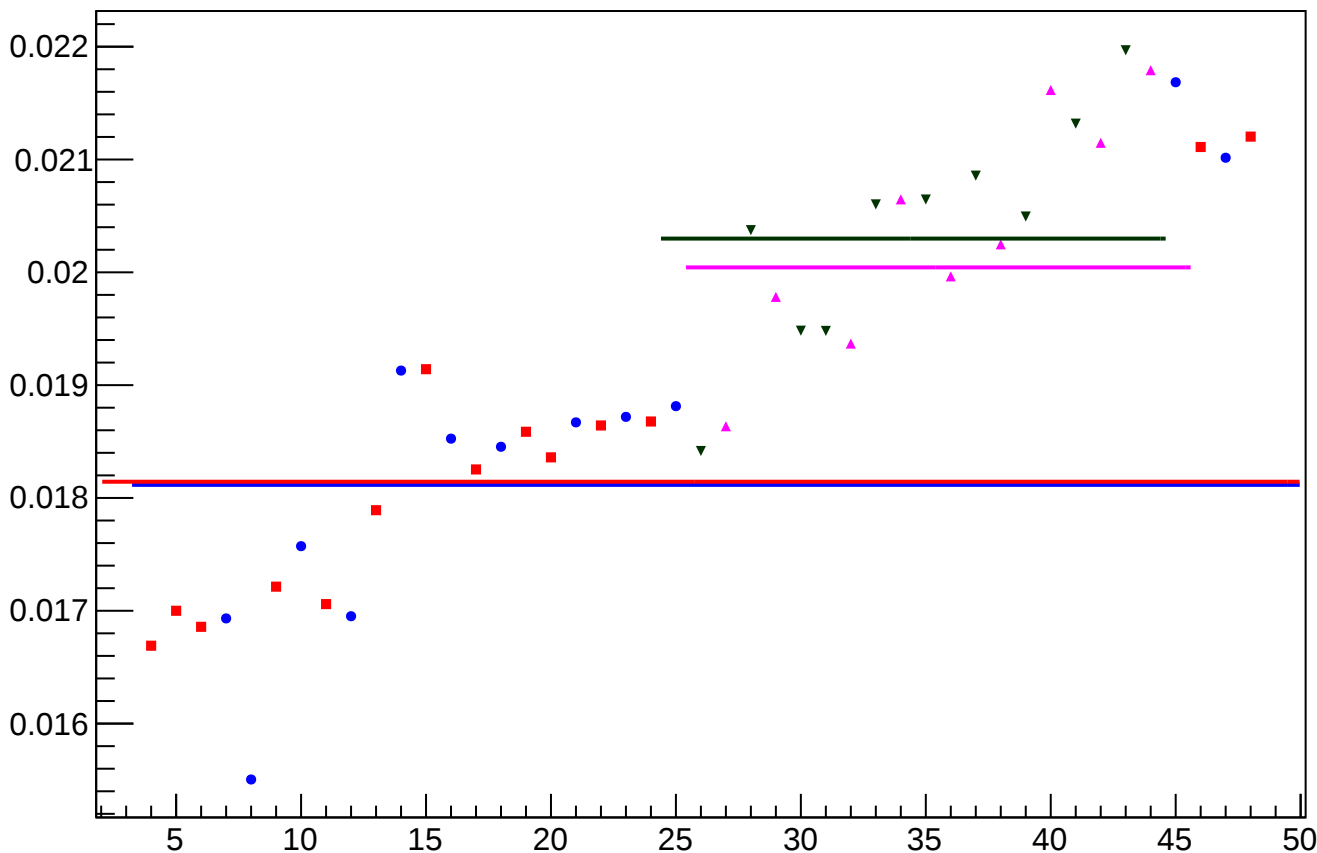
Right Out: -0.304+/-0.000 χ^2/NDF : 2061815733.4/13

Left In: -0.502+/-0.000 χ^2/NDF : 5607835.8/8

-0.373+/-0.000 χ^2/NDF : 2592644204.4/21

-0.380+/-0.000 χ^2/NDF : 2402544152.0/22

yield_bpm2i02X_rms vs slug



Right In: 0.018+/-0.000 χ^2/NDF : 122936.7/11

Left Out: 0.020+/-0.000 χ^2/NDF : 22702.3/9

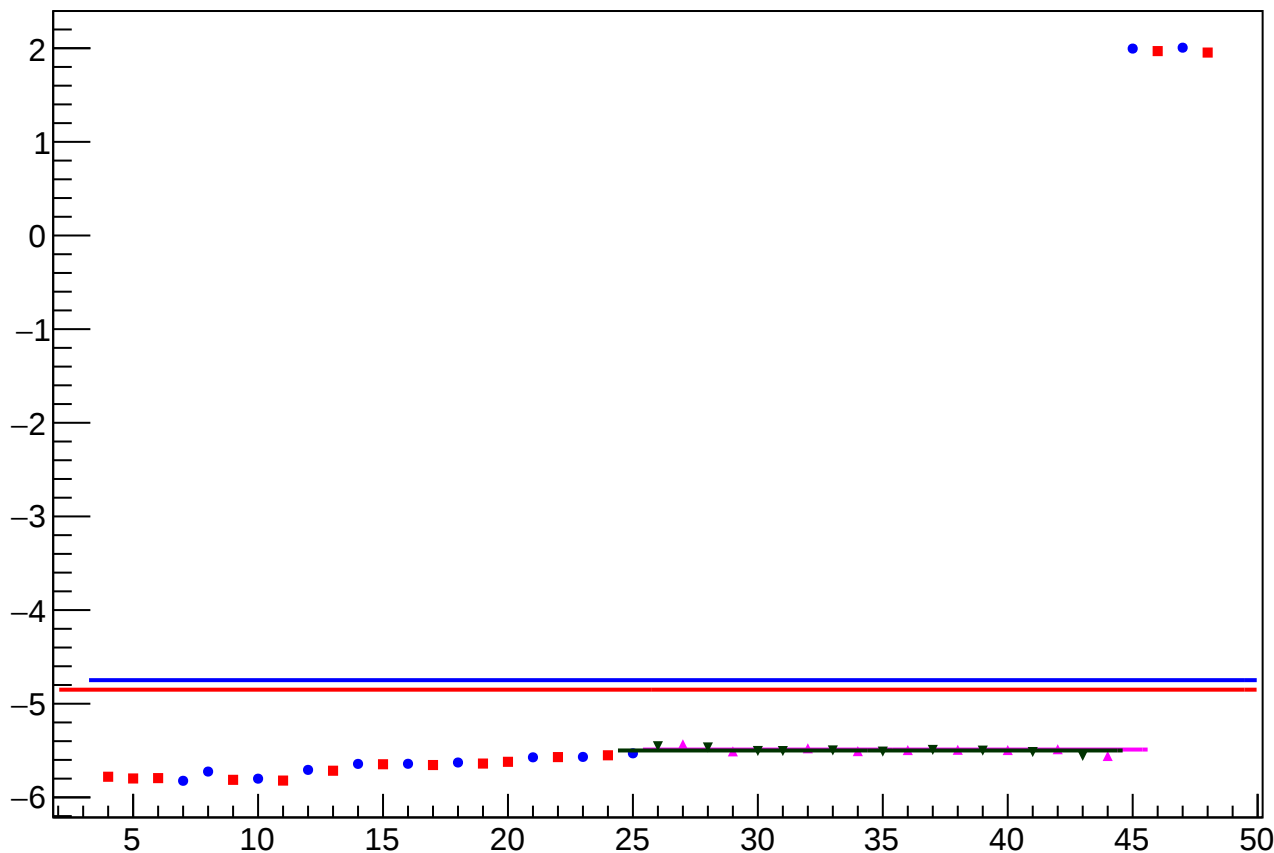
Right Out: 0.018+/-0.000 χ^2/NDF : 68737.9/13

Left In: 0.020+/-0.000 χ^2/NDF : 27295.1/8

0.019+/-0.000 χ^2/NDF : 223584.7/21

0.019+/-0.000 χ^2/NDF : 157348.9/22

yield_bpm2i02Y_mean vs slug



Right In: -4.748 ± 0.000 χ^2/NDF : 325564244335.4/11

Left Out: -5.499 ± 0.000 χ^2/NDF : 23863148.1/9

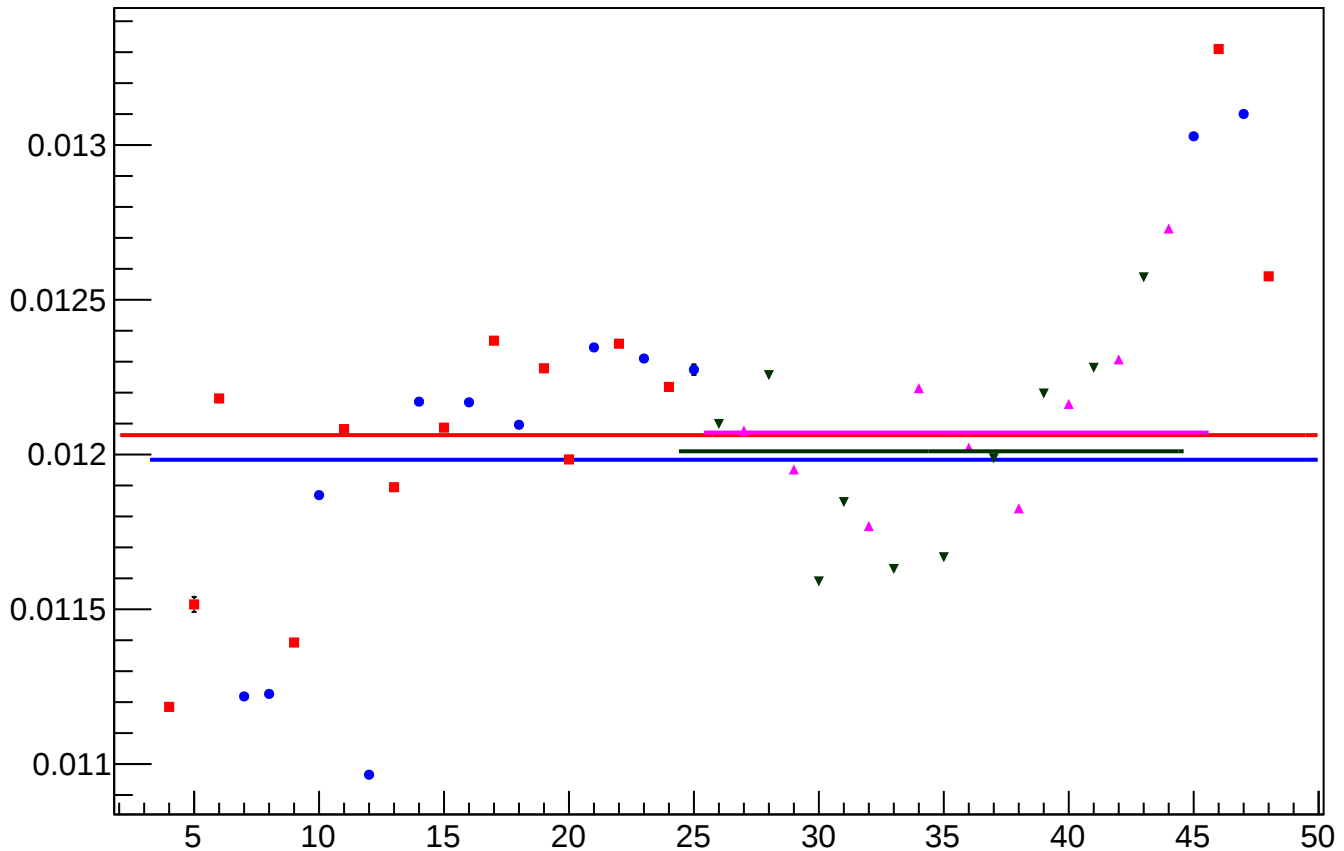
Right Out: -4.850 ± 0.000 χ^2/NDF : 292078997152.0/13

Left In: -5.490 ± 0.000 χ^2/NDF : 37957034.6/8

-5.061 ± 0.000 χ^2/NDF : 337819150101.0/21

-5.129 ± 0.000 χ^2/NDF : 301030585997.2/22

yield_bpm2i02Y_rms vs slug



Right In: 0.012+/-0.000 χ^2/NDF : 38842.4/11

Left Out: 0.012+/-0.000 χ^2/NDF : 6913.8/9

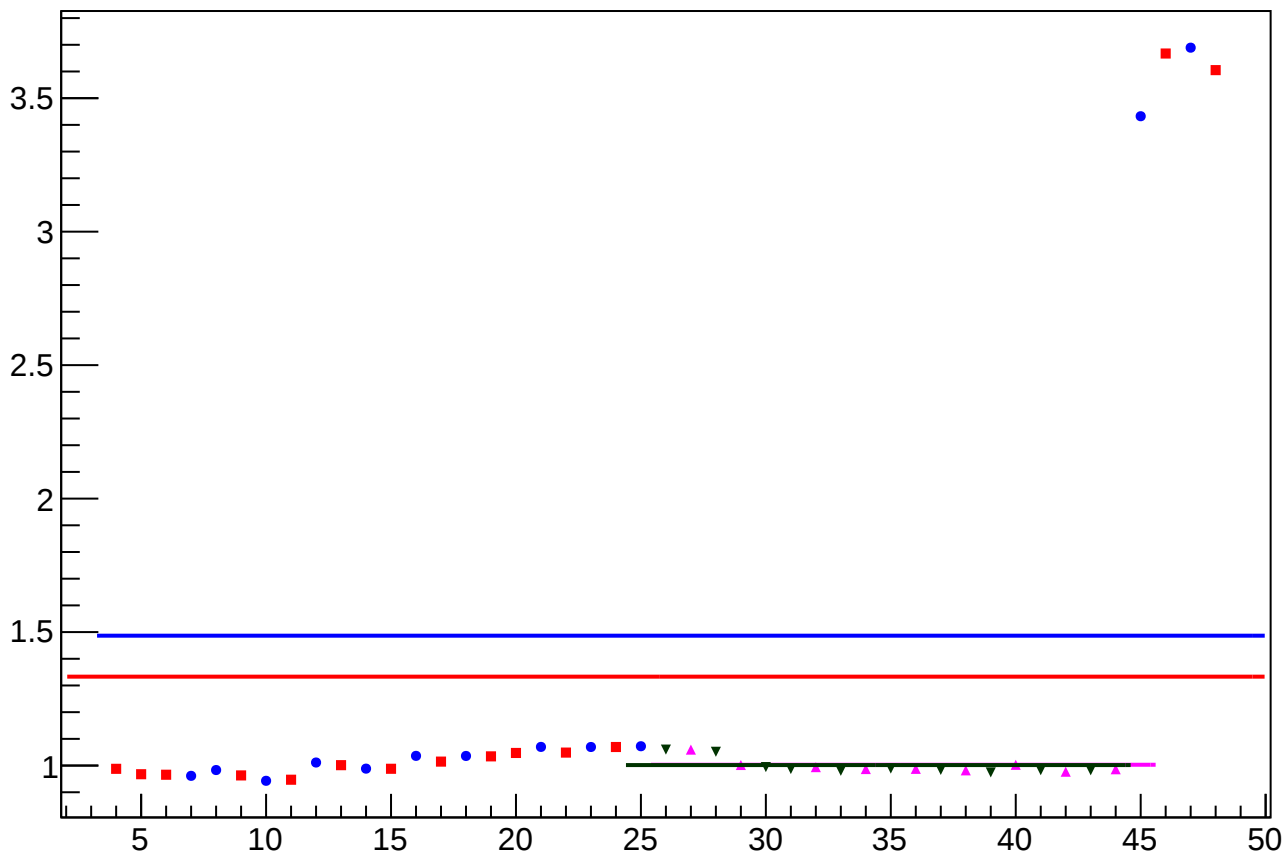
Right Out: 0.012+/-0.000 χ^2/NDF : 22260.9/13

Left In: 0.012+/-0.000 χ^2/NDF : 5130.3/8

0.012+/-0.000 χ^2/NDF : 45788.8/21

0.012+/-0.000 χ^2/NDF : 27394.2/22

yield_bpm1i04X_mean vs slug



Right In: 1.487 $\pm$ 0.000 χ^2 /NDF: 123623830077.5/11

Left Out: 1.002 $\pm$ 0.000 χ^2 /NDF: 93267140.0/9

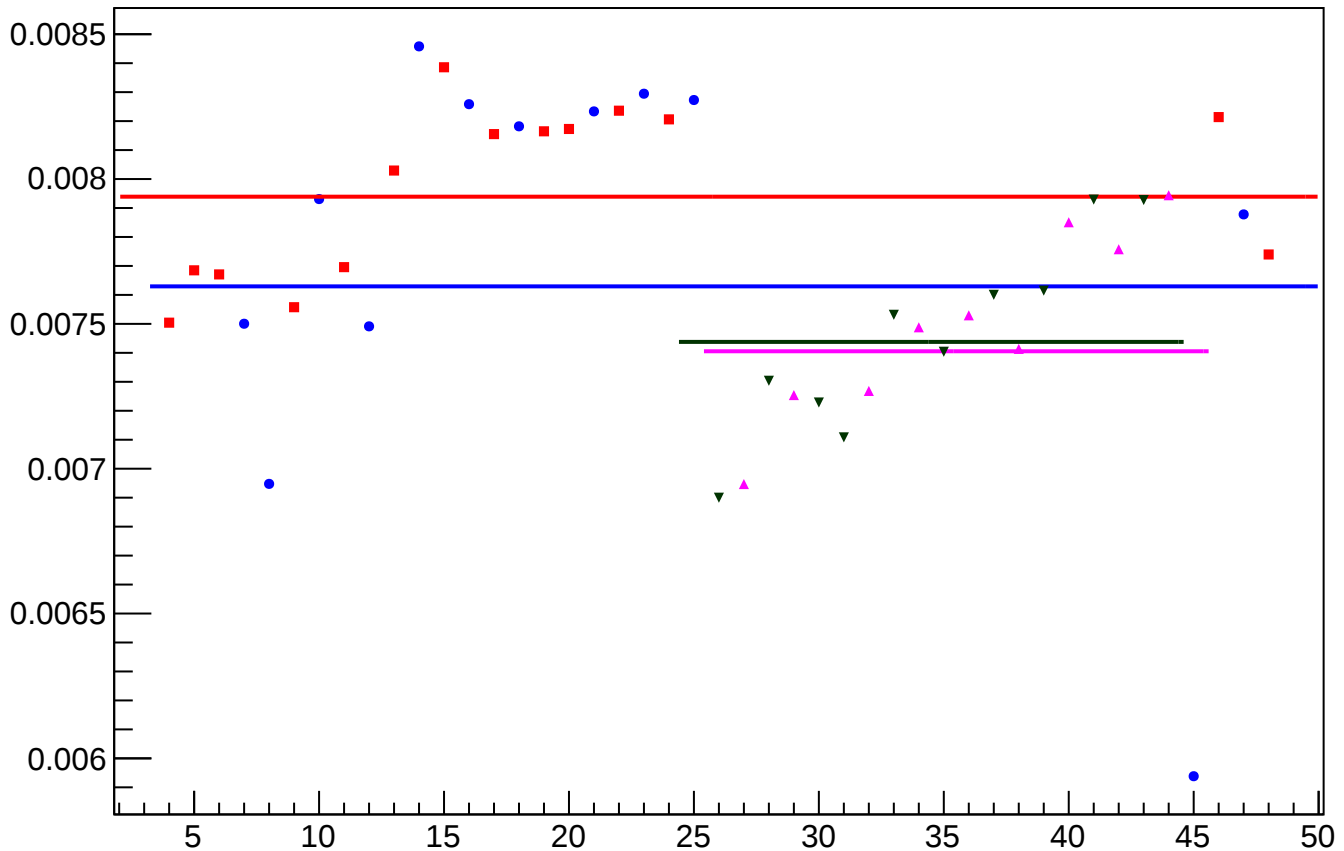
Right Out: 1.333 $\pm$ 0.000 χ^2 /NDF: 88871442619.1/13

Left In: 1.003 $\pm$ 0.000 χ^2 /NDF: 73816796.1/8

1.279 $\pm$ 0.000 χ^2 /NDF: 136539215380.1/21

1.179 $\pm$ 0.000 χ^2 /NDF: 94818141503.5/22

yield_bpm1i04X_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 167729.6/11

Left Out: 0.007+/-0.000 χ^2/NDF :18100.0/9

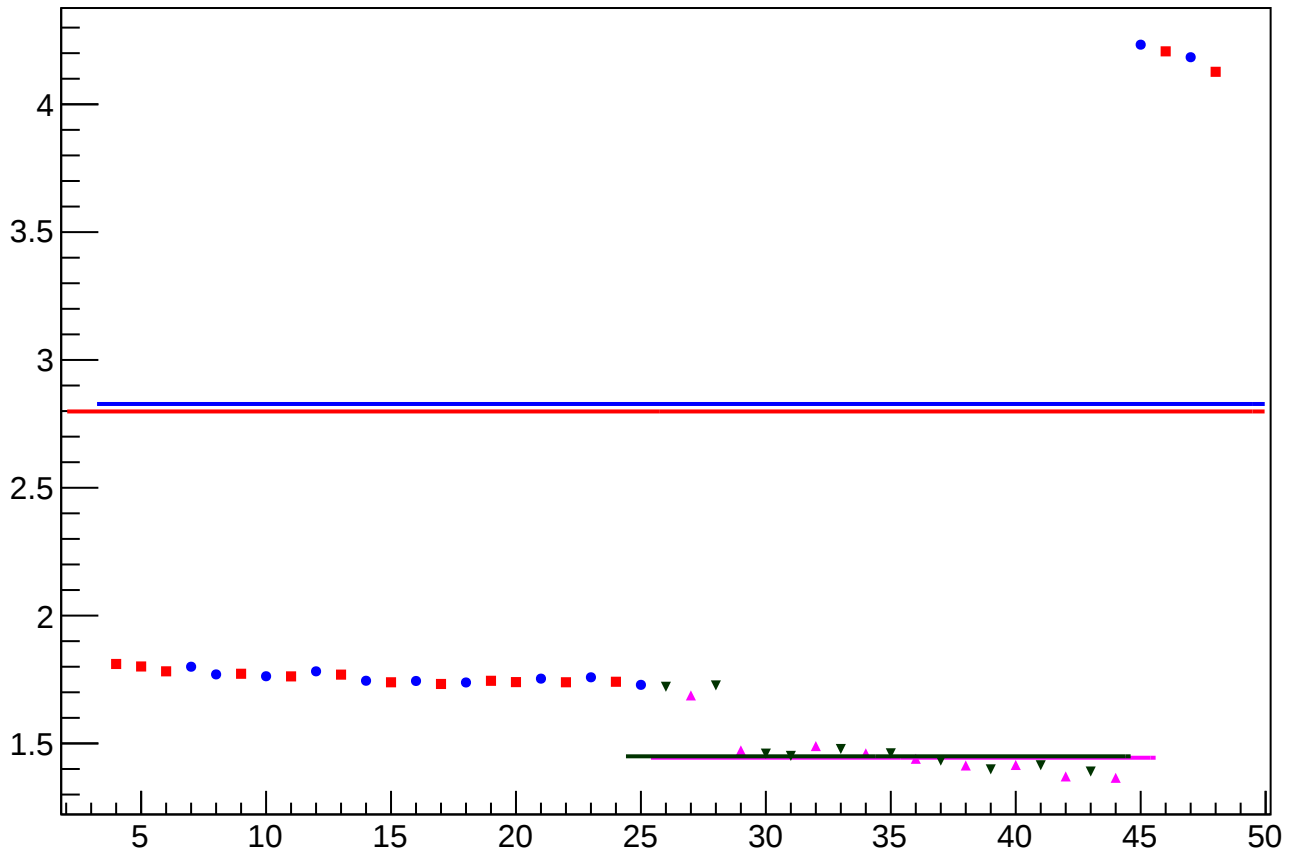
Right Out: 0.008+/-0.000 χ^2/NDF : 19082.4/13

Left In: 0.007+/-0.000 χ^2/NDF :18945.2/8

0.008+/-0.000 χ^2/NDF : 189840.9/21

0.008+/-0.000 χ^2/NDF : 68744.2/22

yield_bpm1i04Y_mean vs slug



Right In: 2.828+/-0.000 χ^2/NDF : 271628421644.5/11

Left Out: 1.450+/-0.000 χ^2/NDF : 719591225.9/9

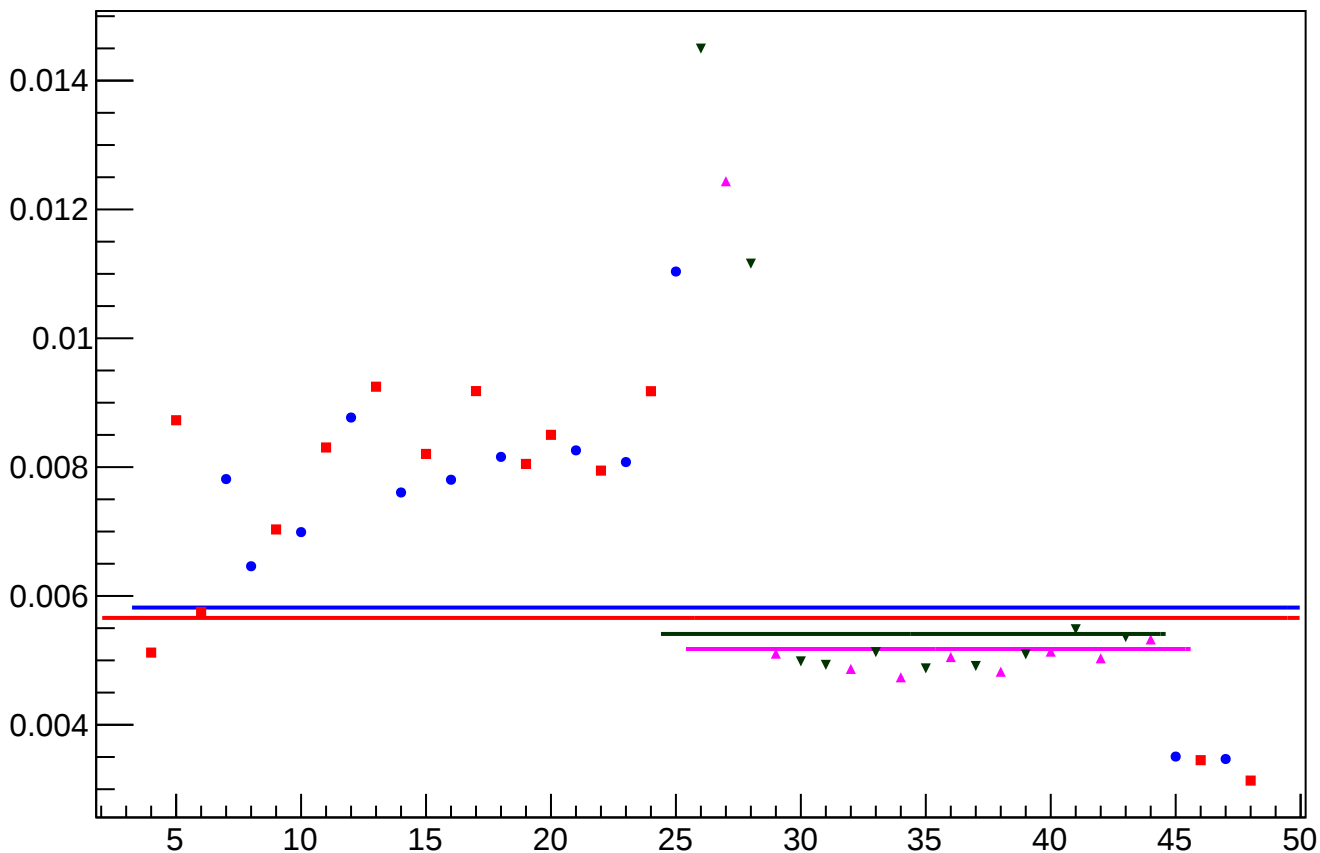
2.187+/-0.000 χ^2/NDF : 434442999239.1/21

Right Out: 2.799+/-0.000 χ^2/NDF : 259159534818.0/13

2.115+/-0.000 χ^2/NDF : 430506693389.2/22

Left In: 1.444+/-0.000 χ^2/NDF : 633323170.8/8

yield_bpm1i04Y_rms vs slug



Right In: 0.006+/-0.000 χ^2/NDF : 1694175.0/11

Left Out: 0.005+/-0.000 χ^2/NDF : 753040.6/9

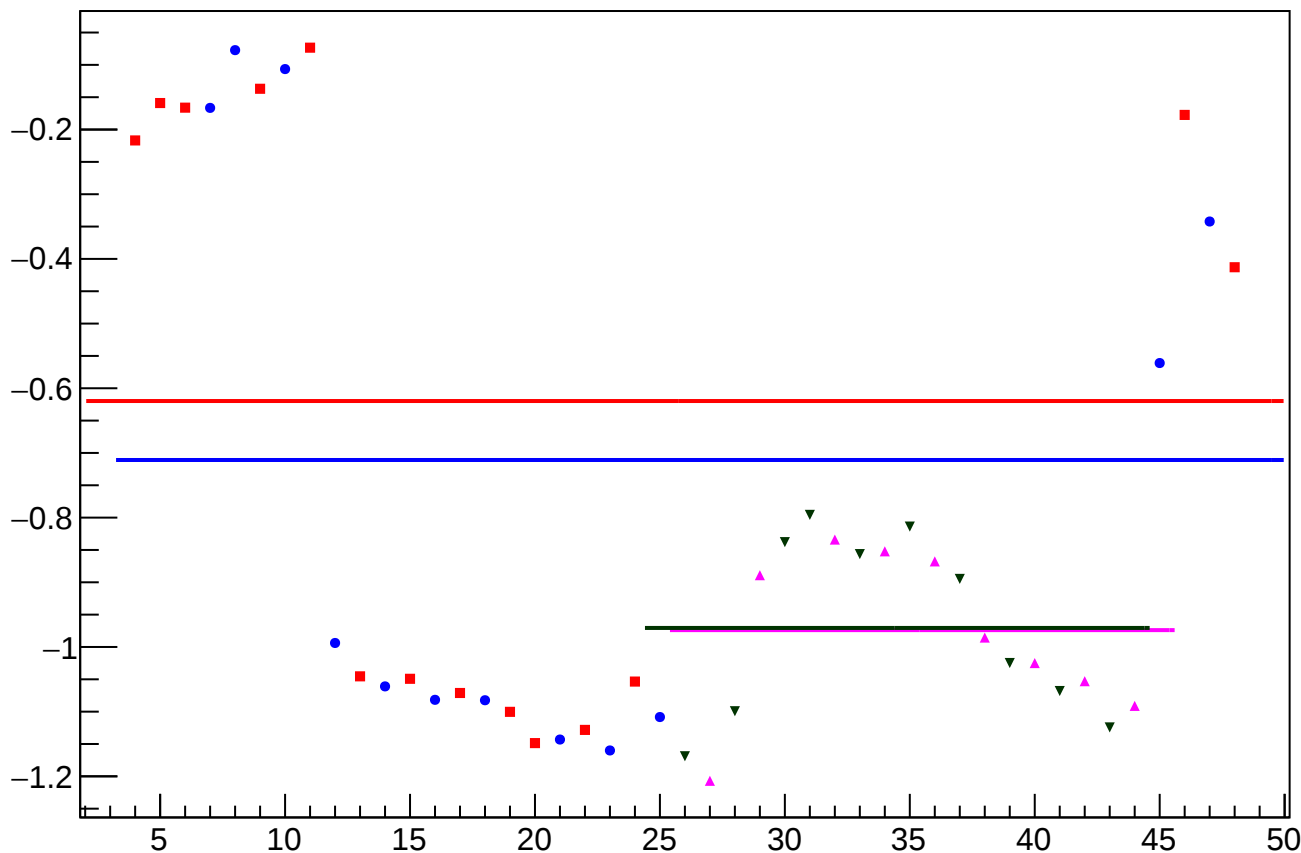
0.006+/-0.000 χ^2/NDF : 2475843.0/21

Right Out: 0.006+/-0.000 χ^2/NDF : 2049181.8/13

0.005+/-0.000 χ^2/NDF : 2606725.3/22

Left In: 0.005+/-0.000 χ^2/NDF : 514197.3/8

yield_bpm0l01X_mean vs slug



Right In: -0.711+/-0.000 χ^2/NDF : 18454732310.7/11

Left Out: -0.971+/-0.000 χ^2/NDF : 1156218036.6/9

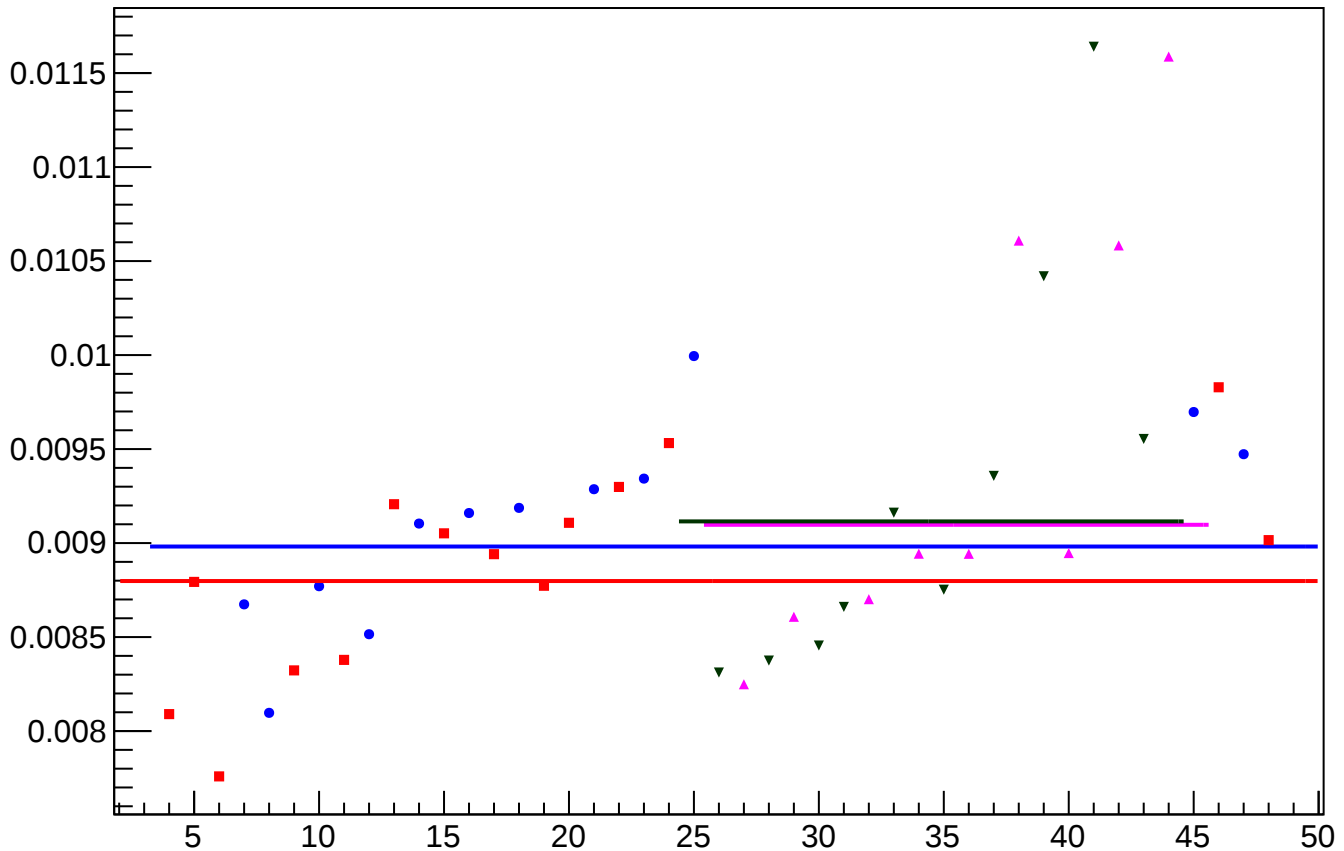
Right Out: -0.620+/-0.000 χ^2/NDF : 19143010403.8/13

Left In: -0.974+/-0.000 χ^2/NDF : 1225322966.4/8

-0.816+/-0.000 χ^2/NDF : 22100441386.6/21

-0.768+/-0.000 χ^2/NDF : 25207773311.4/22

yield_bpm0l01X_rms vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 44621.8/11

Left Out: 0.009+/-0.000 χ^2/NDF :104201.5/9

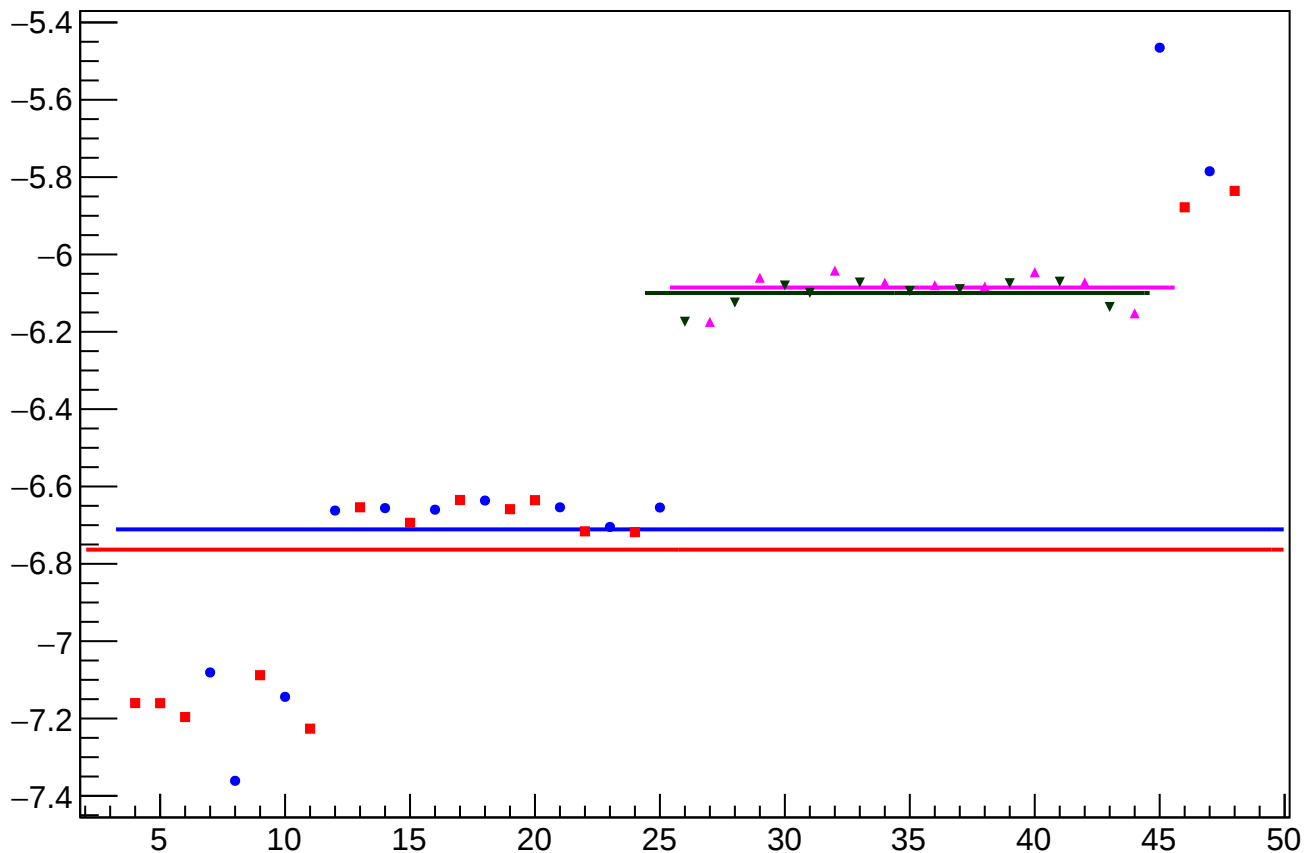
Right Out: 0.009+/-0.000 χ^2/NDF : 60081.3/13

Left In: 0.009+/-0.000 χ^2/NDF :115547.6/8

0.009+/-0.000 χ^2/NDF : 150142.1/21

0.009+/-0.000 χ^2/NDF : 182530.5/22

yield_bpm0l01Y_mean vs slug



Right In: -6.711+/-0.000 χ^2/NDF : 21941401959.4/11

Left Out: -6.100+/-0.000 χ^2/NDF : 52135577.5/9

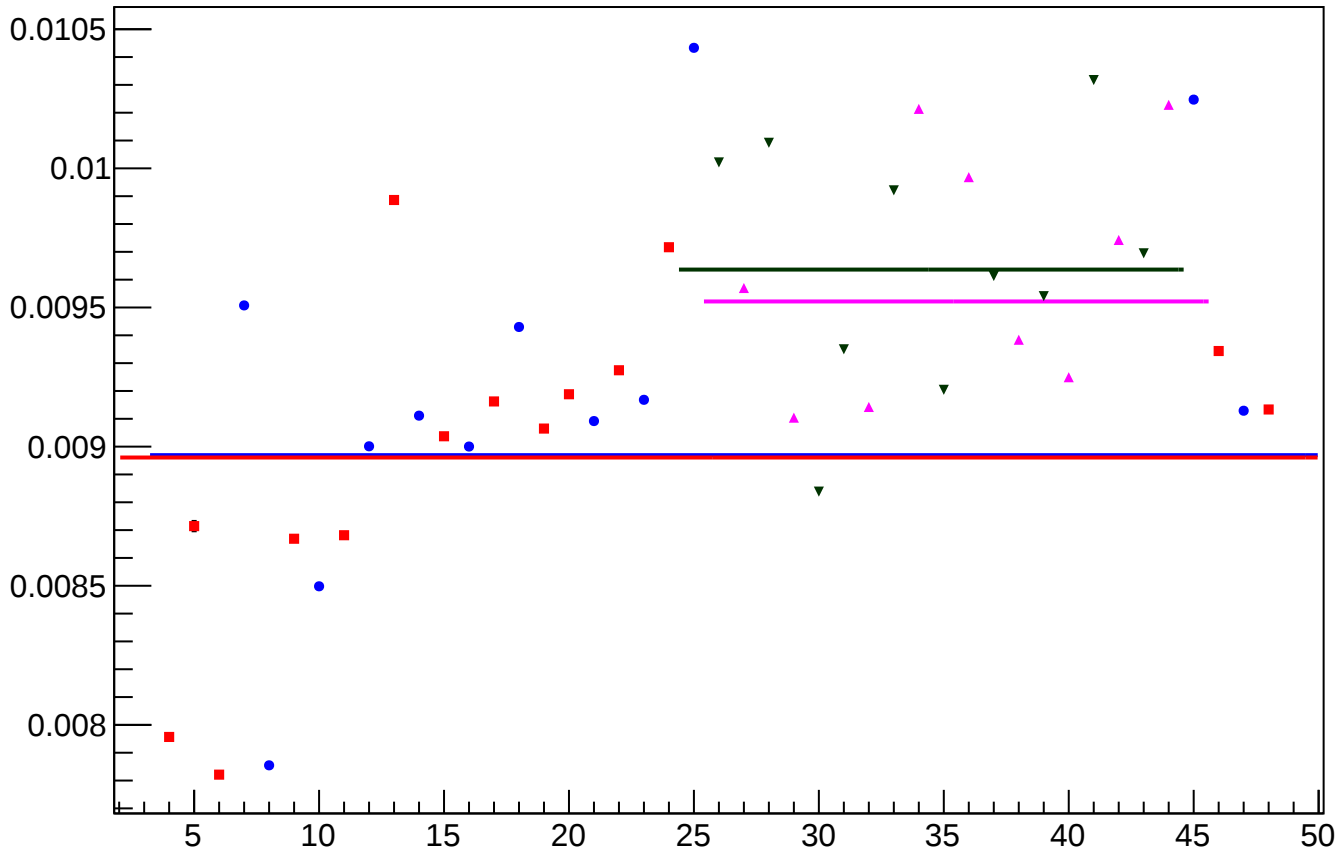
Right Out: -6.763+/-0.000 χ^2/NDF : 15010636756.3/13

Left In: -6.085+/-0.000 χ^2/NDF : 127997791.5/8

-6.480+/-0.000 χ^2/NDF : 34798155075.5/21

-6.487+/-0.000 χ^2/NDF : 31550513748.7/22

yield_bpm0l01Y_rms vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 73384.9/11

Left Out: 0.010+/-0.000 χ^2/NDF : 21331.0/9

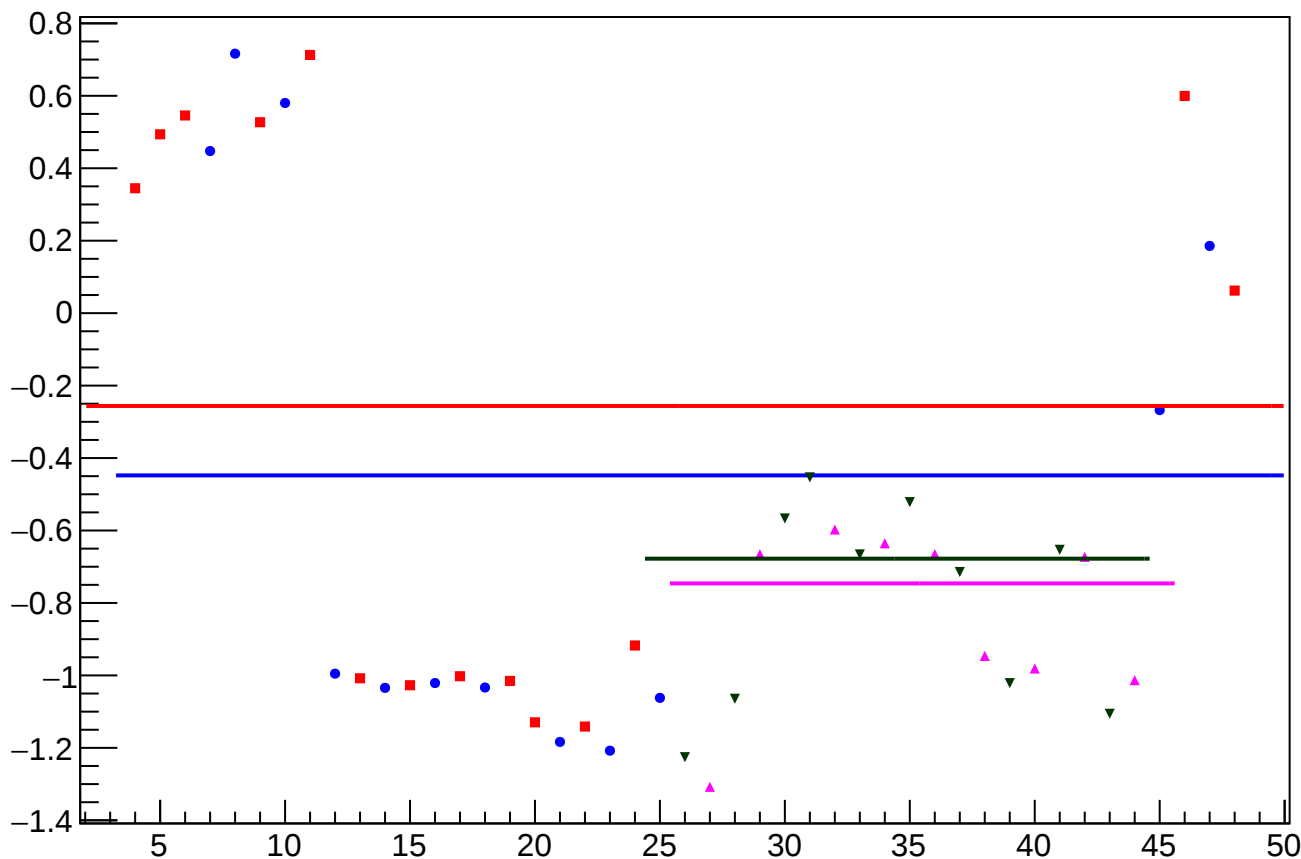
Right Out: 0.009+/-0.000 χ^2/NDF : 63375.5/13

Left In: 0.010+/-0.000 χ^2/NDF : 19294.1/8

0.009+/-0.000 χ^2/NDF : 125204.8/21

0.009+/-0.000 χ^2/NDF : 105139.7/22

yield_bpm0l02X_mean vs slug



Right In: -0.448+/-0.000 χ^2/NDF : 9856230797.2/11

Left Out: -0.678+/-0.000 χ^2/NDF :1358570765.2/9

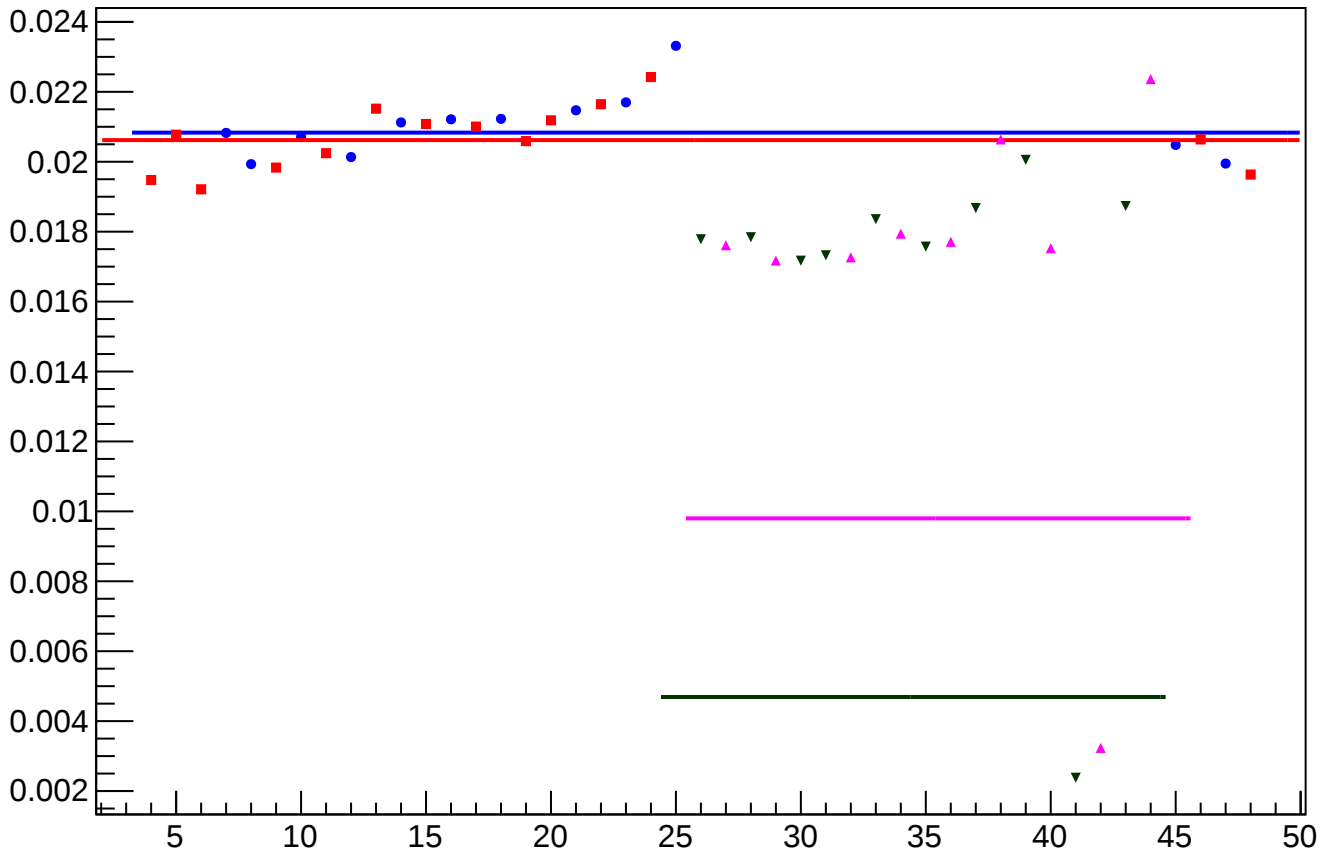
Right Out: -0.256+/-0.000 χ^2/NDF : 10095052786.5/13

Left In: -0.746+/-0.000 χ^2/NDF :1268707812.5/8

-0.643+/-0.000 χ^2/NDF : 11983764501.6/21

-0.585+/-0.000 χ^2/NDF : 14092317783.9/22

yield_bpm0l02X_rms vs slug



Right In: 0.021+/-0.000 χ^2/NDF : 17278.7/11

Left Out: 0.005+/-0.000 χ^2/NDF : 5998219.6/9

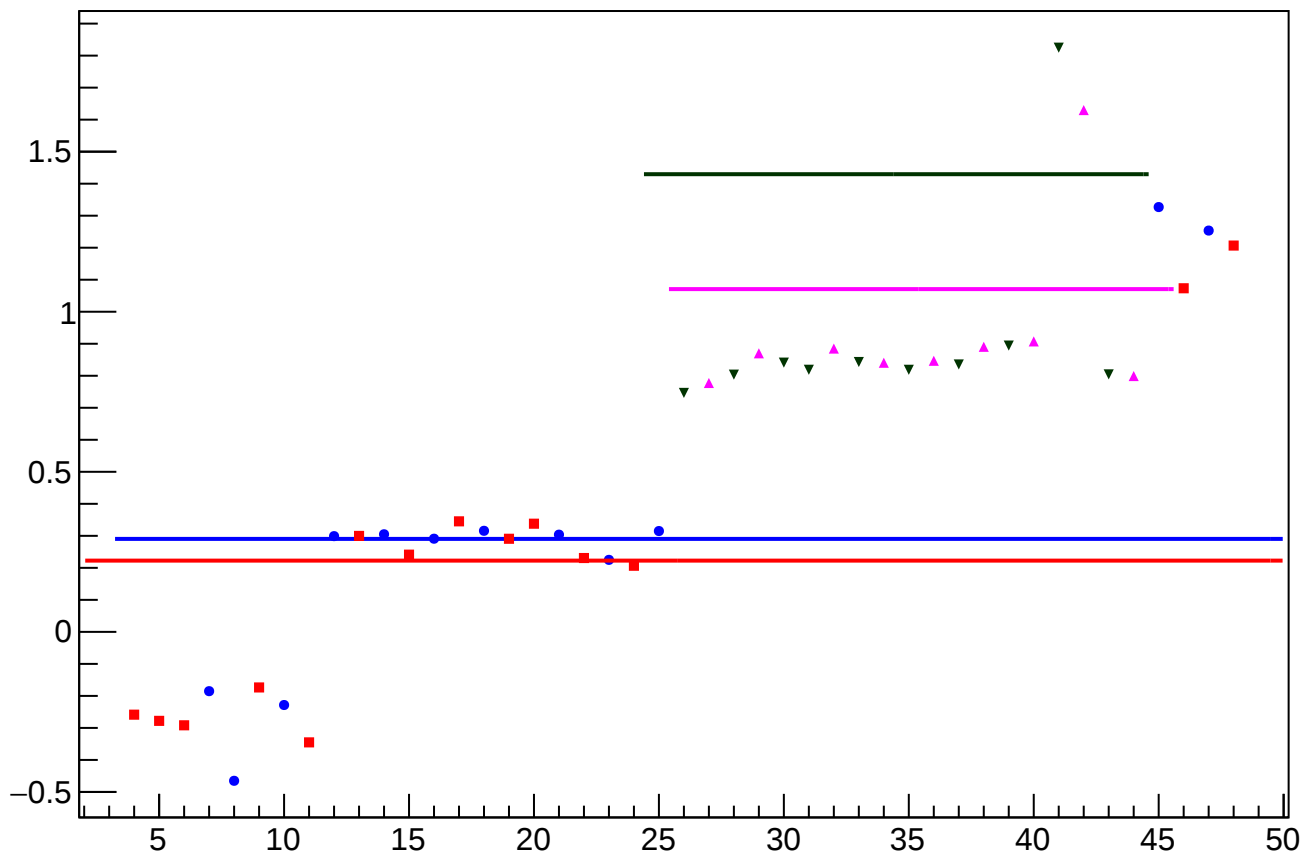
Right Out: 0.021+/-0.000 χ^2/NDF : 28048.3/13

Left In: 0.010+/-0.000 χ^2/NDF : 3818425.7/8

0.007+/-0.000 χ^2/NDF : 13597977.5/21

0.013+/-0.000 χ^2/NDF : 6509671.9/22

yield_bpm0l02Y_mean vs slug



Right In: 0.290 ± 0.000 χ^2/NDF : 12556062113.1/11

Left Out: 1.430 ± 0.000 χ^2/NDF : 20131817794.8/9

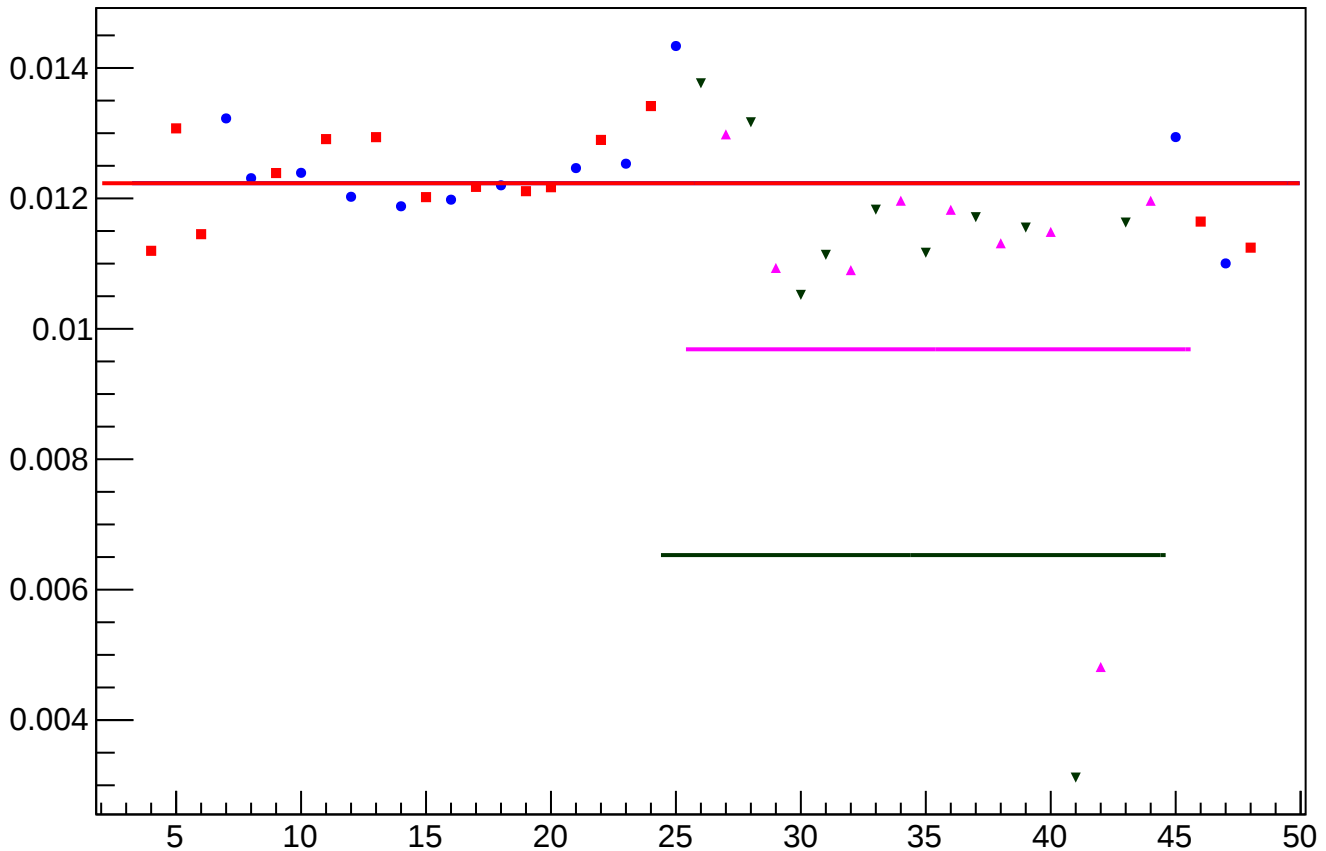
Right Out: 0.223 ± 0.000 χ^2/NDF : 10222172098.9/13

Left In: 1.071 ± 0.000 χ^2/NDF : 6285541515.9/8

1.011 ± 0.000 χ^2/NDF : 72996650050.6/21

0.665 ± 0.000 χ^2/NDF : 34272850786.3/22

yield_bpm0l02Y_rms vs slug



Right In: 0.012+/-0.000 χ^2/NDF : 33567.5/11

Left Out: 0.007+/-0.000 χ^2/NDF :3050338.6/9

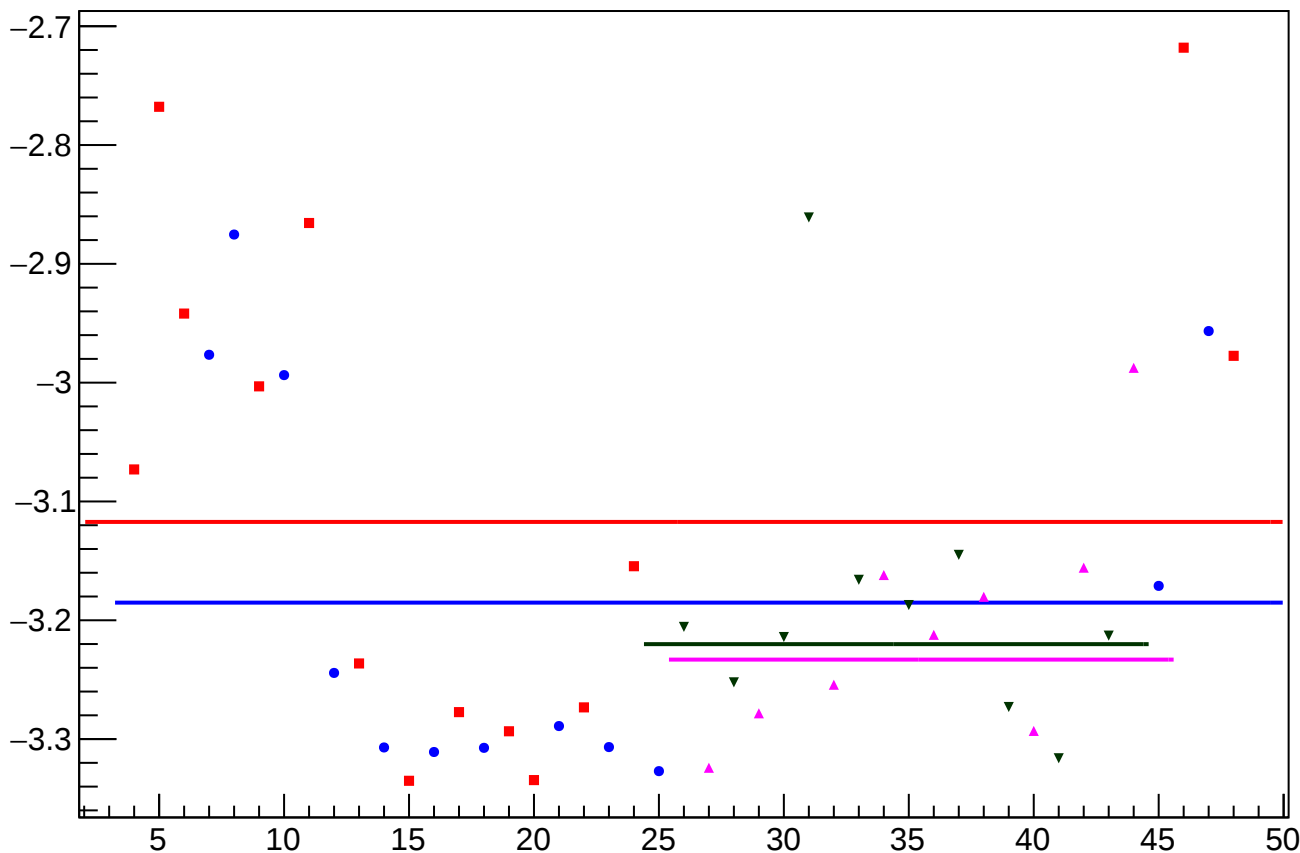
Right Out: 0.012+/-0.000 χ^2/NDF : 42852.6/13

Left In: 0.010+/-0.000 χ^2/NDF :979026.7/8

0.009+/-0.000 χ^2/NDF : 5104340.7/21

0.011+/-0.000 χ^2/NDF : 1342283.6/22

yield_bpm0l03X_mean vs slug



Right In: -3.185+/-0.000 χ^2/NDF : 2805911551.6/11

Left Out: -3.220+/-0.000 χ^2/NDF : 428312091.3/9

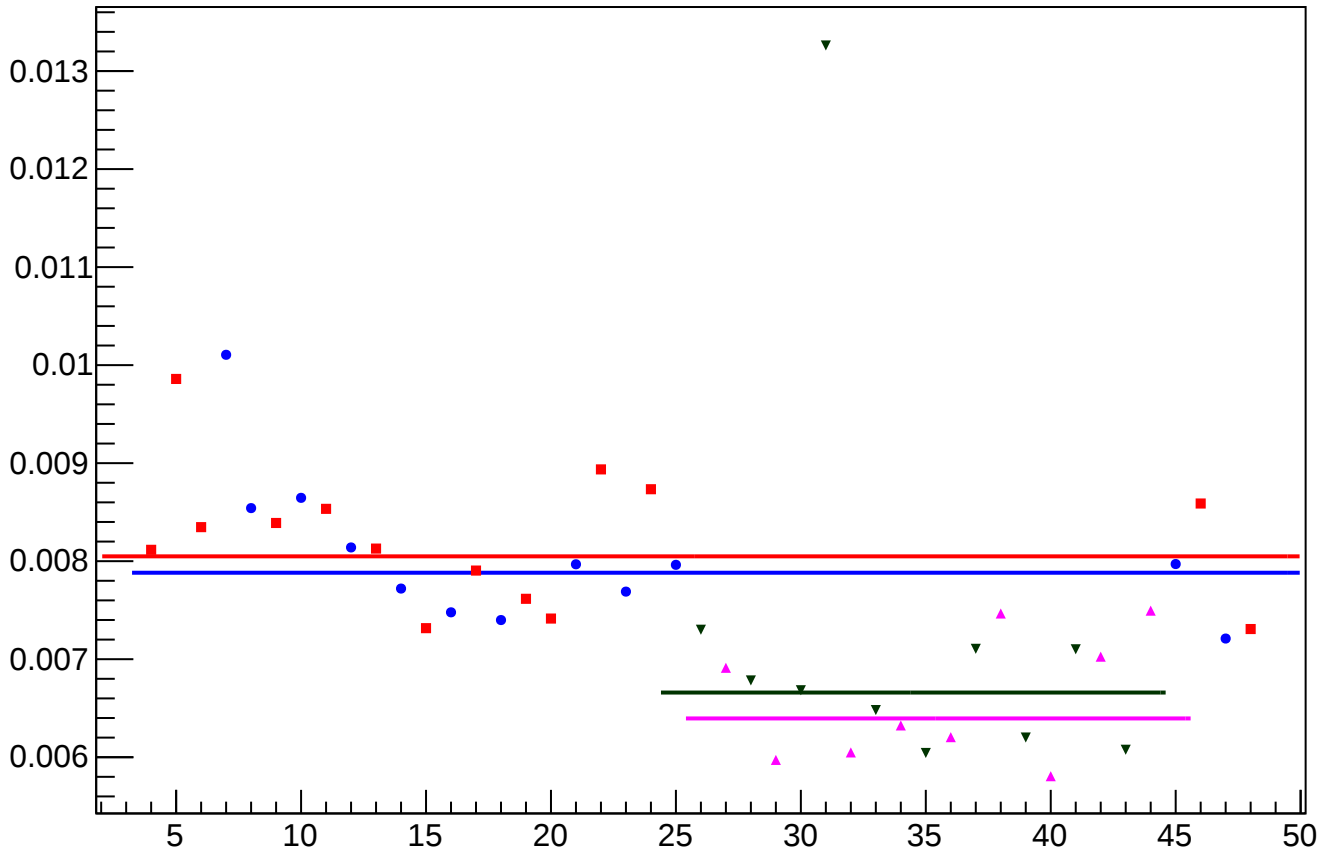
-3.202+/-0.000 χ^2/NDF : 3296576780.3/21

Right Out: -3.117+/-0.000 χ^2/NDF : 3359268356.8/13

-3.182+/-0.000 χ^2/NDF : 4847239398.4/22

Left In: -3.233+/-0.000 χ^2/NDF : 784509895.8/8

yield_bpm0l03X_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 52079.4/11

Left Out: 0.007+/-0.000 χ^2/NDF : 169219.9/9

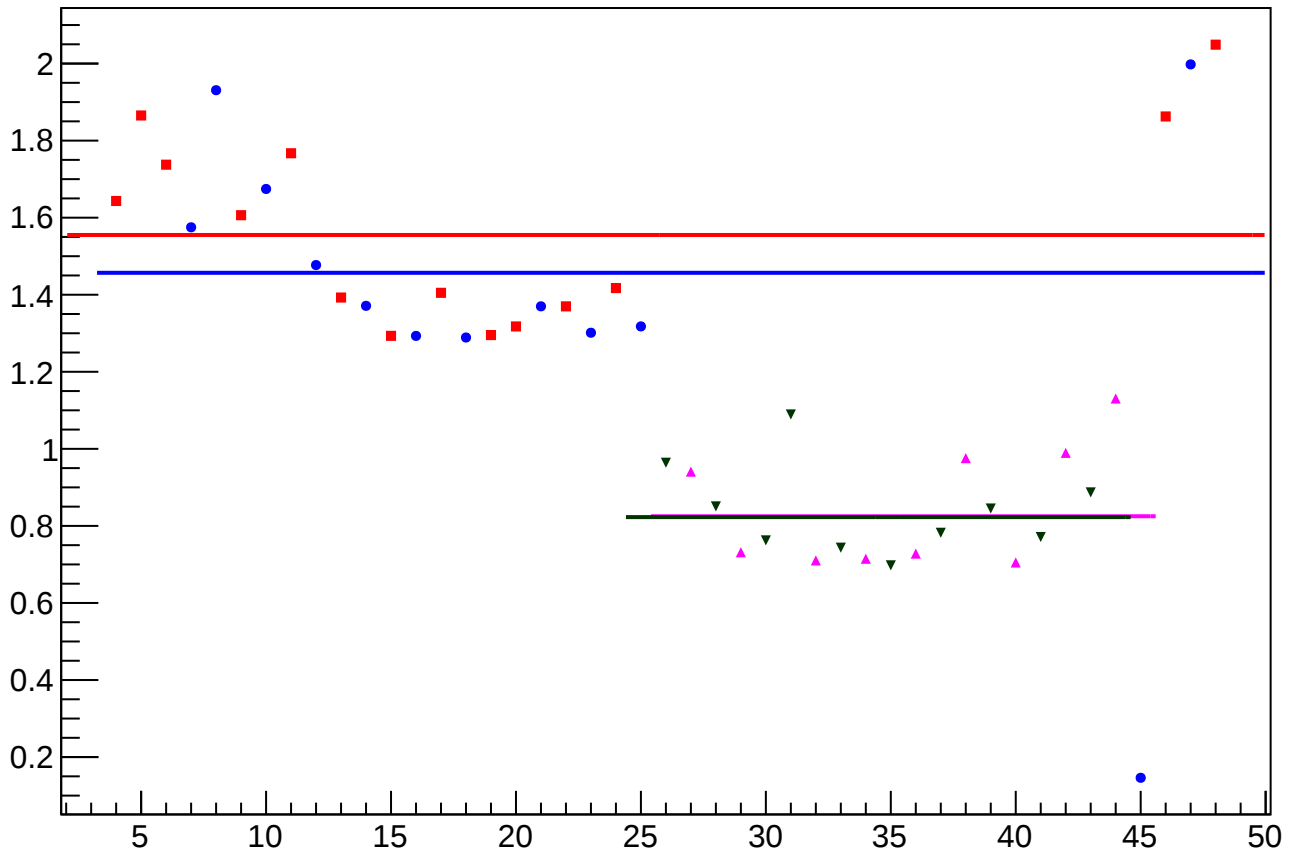
Right Out: 0.008+/-0.000 χ^2/NDF : 54674.6/13

Left In: 0.006+/-0.000 χ^2/NDF : 72293.2/8

0.007+/-0.000 χ^2/NDF : 373867.9/21

0.007+/-0.000 χ^2/NDF : 413465.4/22

yield_bpm0l03Y_mean vs slug



Right In: 1.457 $\pm$ 0.000 χ^2 /NDF: 16128003592.7/11

Left Out: 0.823 $\pm$ 0.000 χ^2 /NDF: 373202951.2/9

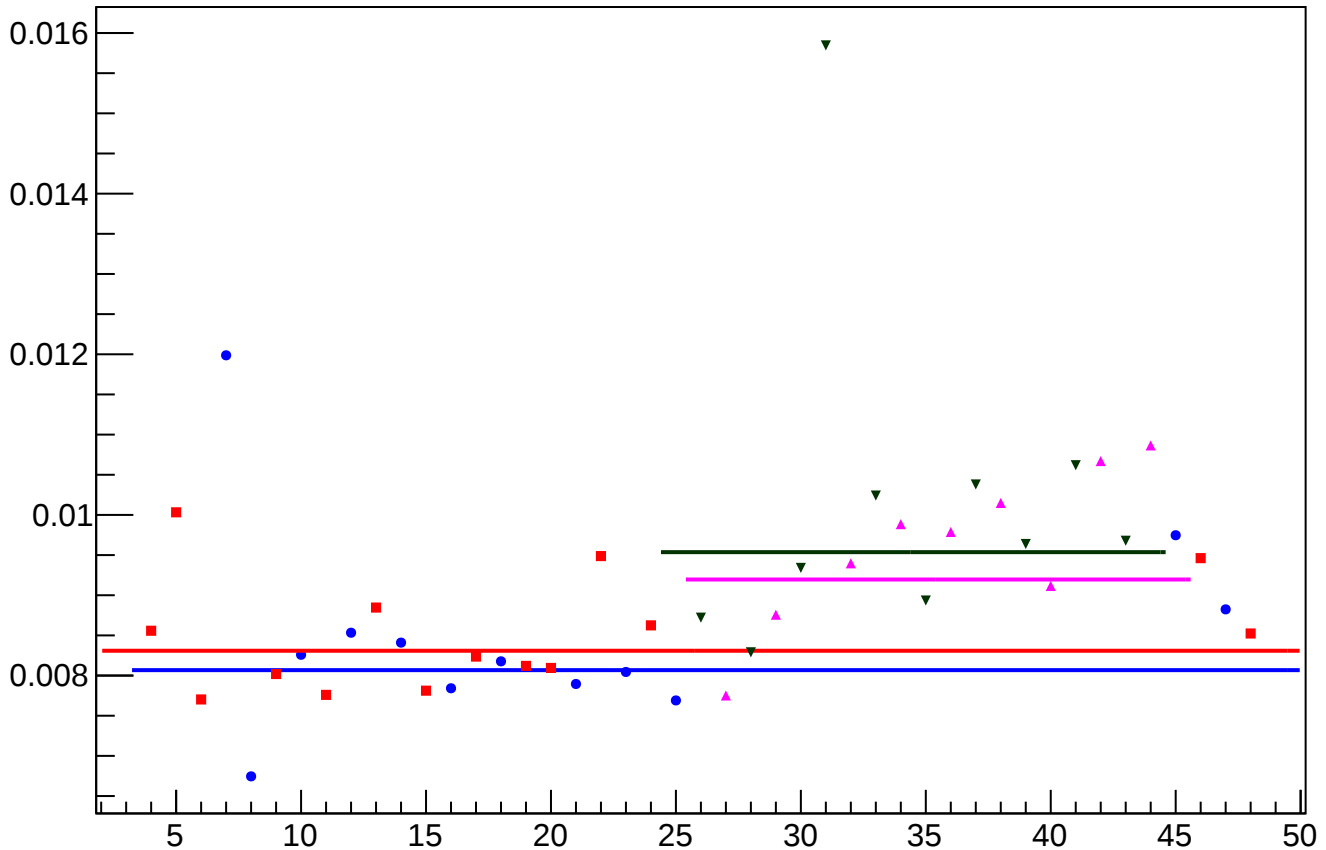
1.249 $\pm$ 0.000 χ^2 /NDF: 29494304789.3/21

Right Out: 1.555 $\pm$ 0.000 χ^2 /NDF: 4654590962.3/13

1.264 $\pm$ 0.000 χ^2 /NDF: 24047975210.1/22

Left In: 0.825 $\pm$ 0.000 χ^2 /NDF: 1054829783.2/8

yield_bpm0l03Y_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 133050.4/11

Left Out: 0.010+/-0.000 χ^2/NDF :144258.2/9

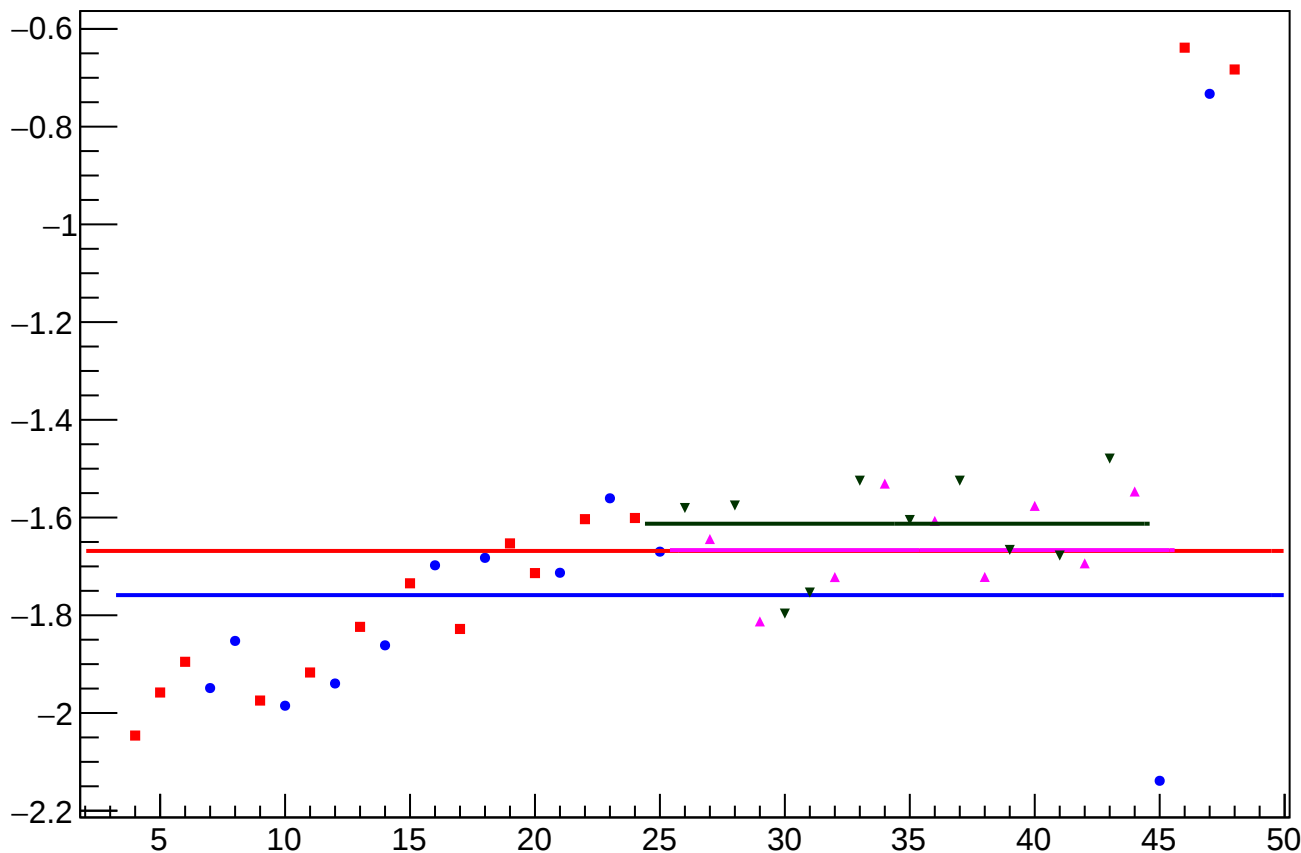
Right Out: 0.008+/-0.000 χ^2/NDF : 51680.8/13

Left In: 0.009+/-0.000 χ^2/NDF :103784.9/8

0.009+/-0.000 χ^2/NDF : 416765.2/21

0.009+/-0.000 χ^2/NDF : 209620.2/22

yield_bpm0l04X_mean vs slug



Right In: -1.759+/-0.000 χ^2/NDF : 5185037179.6/11

Left Out: -1.613+/-0.000 χ^2/NDF : 327148879.4/9

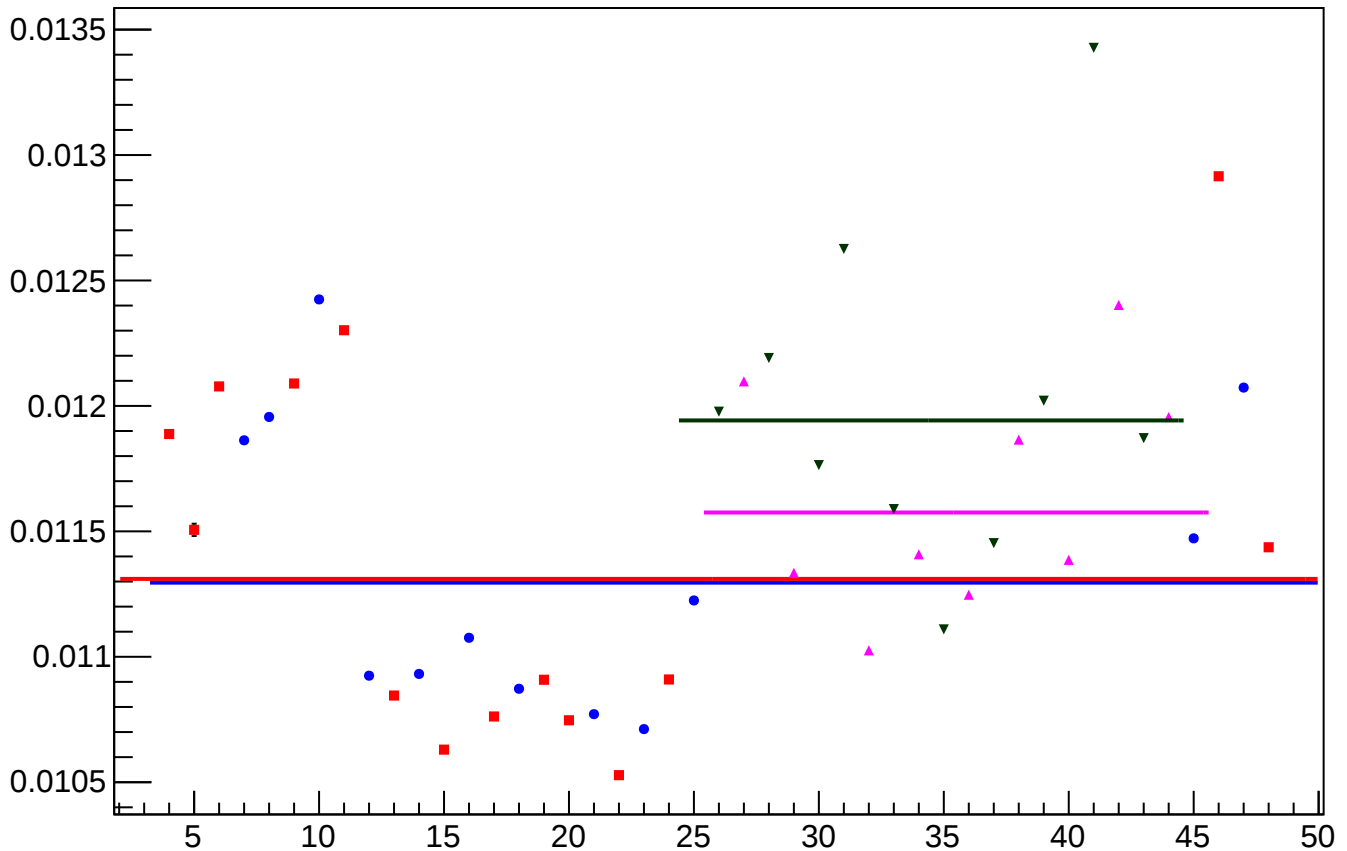
Right Out: -1.668+/-0.000 χ^2/NDF : 8318747601.1/13

Left In: -1.667+/-0.000 χ^2/NDF : 344212253.5/8

-1.702+/-0.000 χ^2/NDF : 5992887177.3/21

-1.668+/-0.000 χ^2/NDF : 8663030185.0/22

yield_bpm0l04X_rms vs slug



Right In: 0.011+/-0.000 χ^2/NDF : 37137.4/11

Left Out: 0.012+/-0.000 χ^2/NDF : 25348.0/9

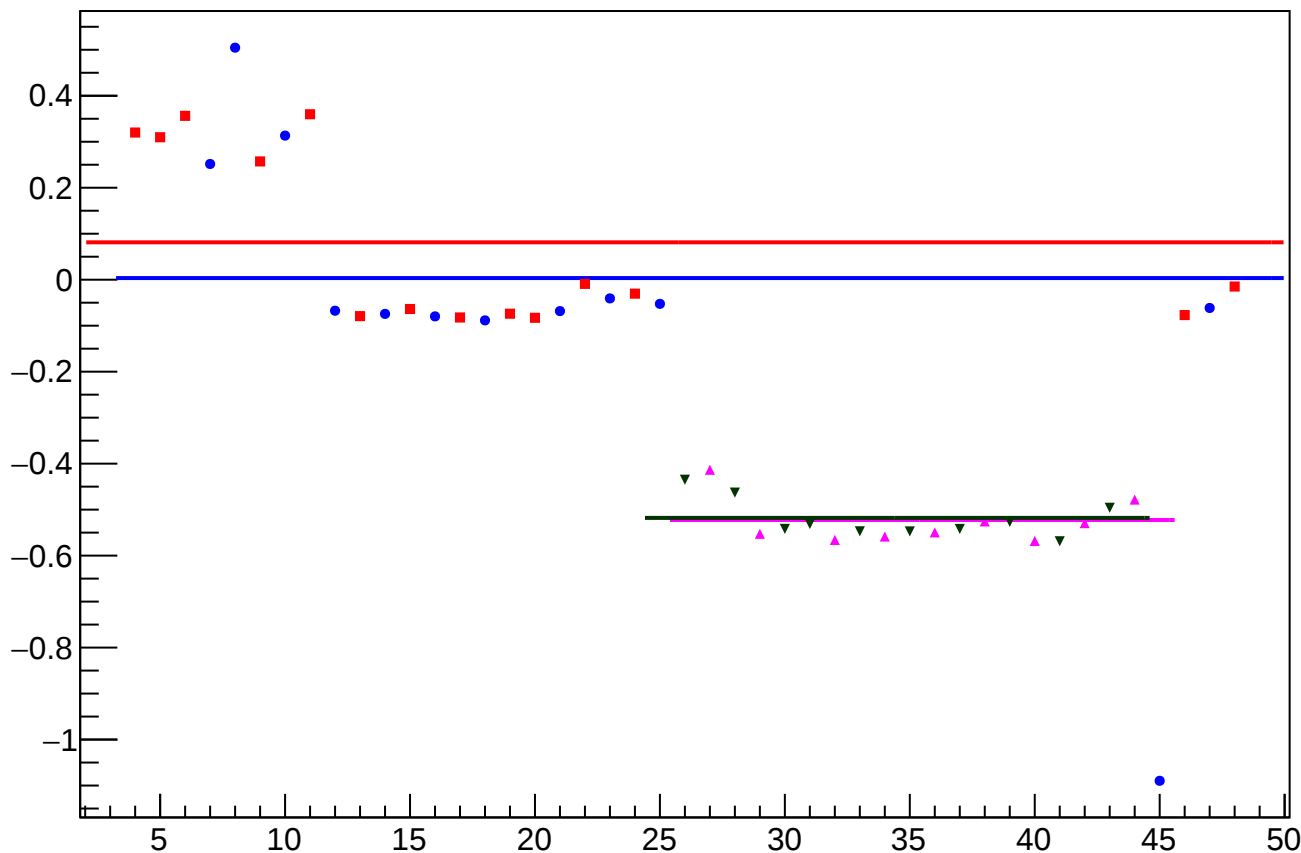
Right Out: 0.011+/-0.000 χ^2/NDF : 57093.3/13

Left In: 0.012+/-0.000 χ^2/NDF : 15888.6/8

0.012+/-0.000 χ^2/NDF : 81304.0/21

0.011+/-0.000 χ^2/NDF : 76337.9/22

yield_bpm0l04Y_mean vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 18019806412.0/11

Left Out: -0.518+/-0.000 χ^2/NDF : 131878439.0/9

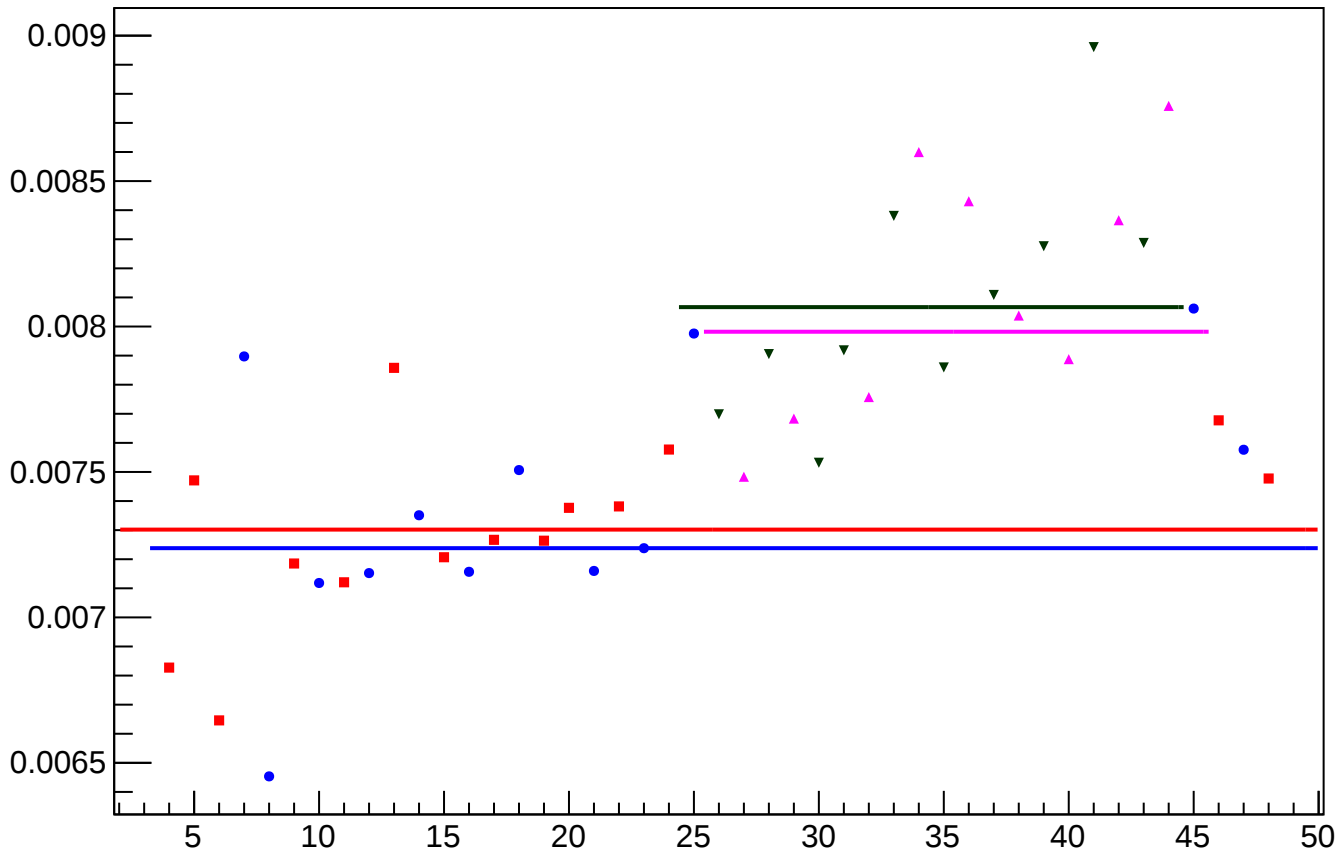
Right Out: 0.081+/-0.000 χ^2/NDF : 4557512136.3/13

Left In: -0.523+/-0.000 χ^2/NDF : 258155612.5/8

-0.184+/-0.000 χ^2/NDF : 31876874248.1/21

-0.157+/-0.000 χ^2/NDF : 23869525682.4/22

yield_bpm0l04Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 50661.7/11

Left Out: 0.008+/-0.000 χ^2/NDF : 23022.1/9

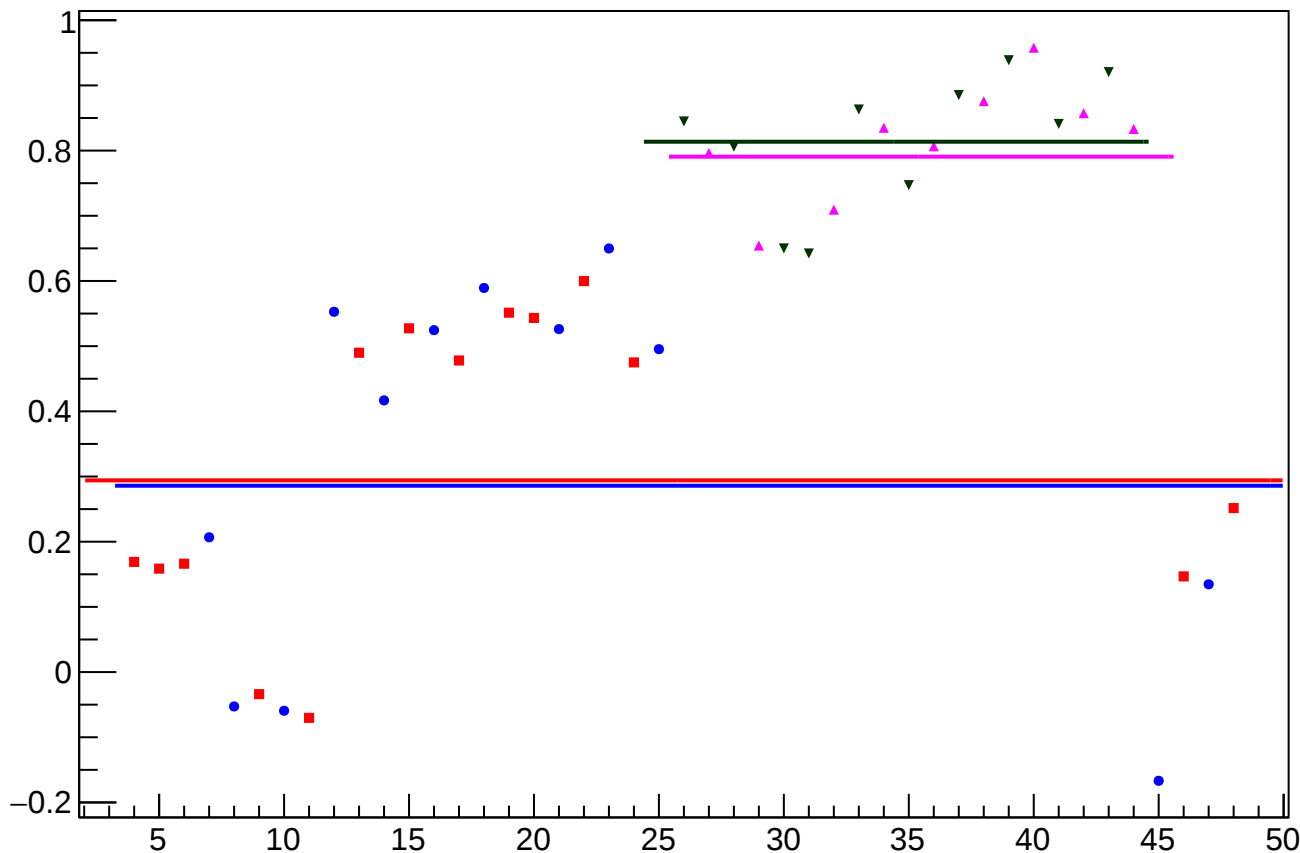
Right Out: 0.007+/-0.000 χ^2/NDF : 28637.1/13

Left In: 0.008+/-0.000 χ^2/NDF : 29355.6/8

0.008+/-0.000 χ^2/NDF : 142985.3/21

0.008+/-0.000 χ^2/NDF : 106355.1/22

yield_bpm0l05X_mean vs slug



Right In: 0.286+/-0.000 χ^2/NDF : 12923027379.6/11

Left Out: 0.814+/-0.000 χ^2/NDF : 993349923.9/9

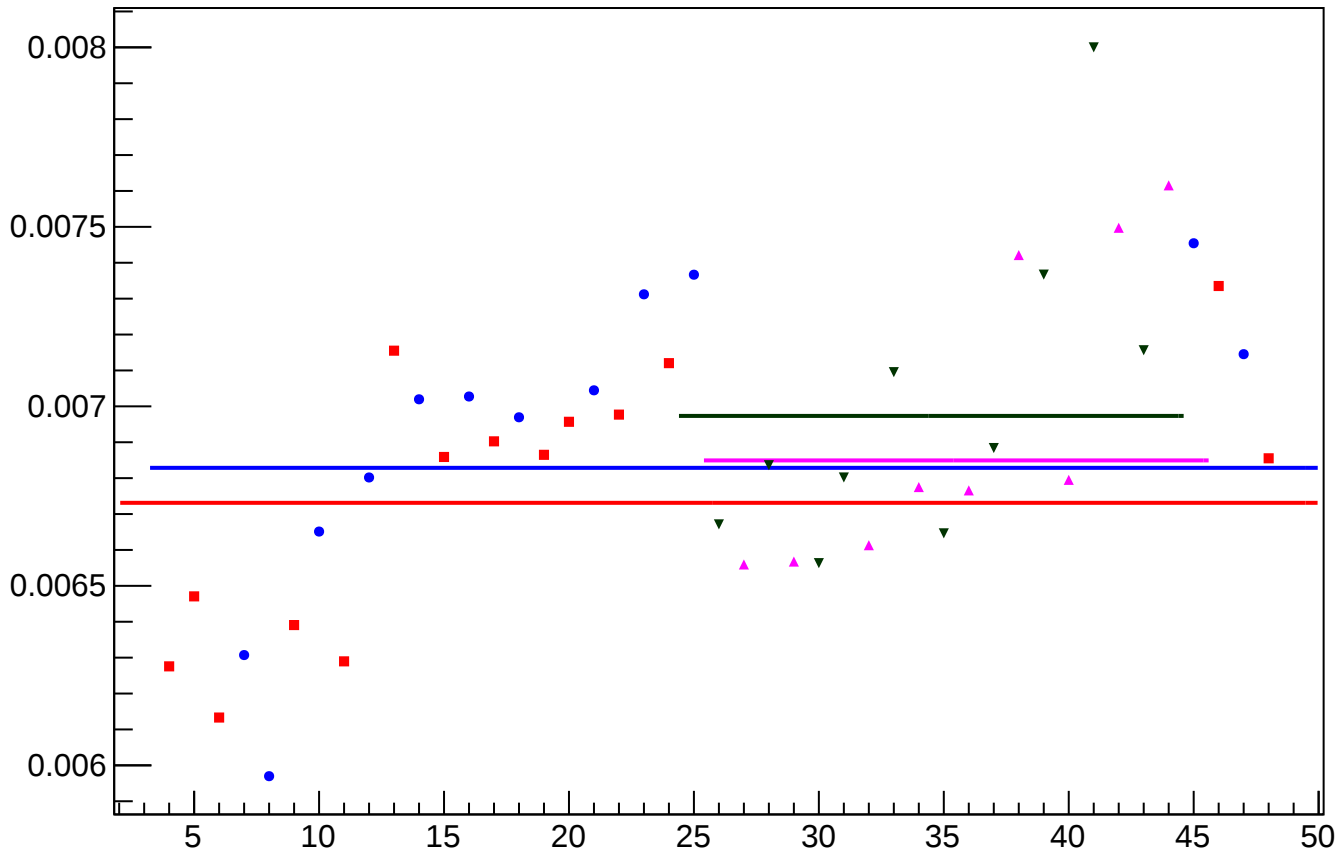
Right Out: 0.294+/-0.000 χ^2/NDF : 8832291216.7/13

Left In: 0.791+/-0.000 χ^2/NDF : 932399689.3/8

0.499+/-0.000 χ^2/NDF : 31730988558.2/21

0.507+/-0.000 χ^2/NDF : 26420522397.7/22

yield_bpm0l05X_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 62571.2/11

Left Out: 0.007+/-0.000 χ^2/NDF : 32912.7/9

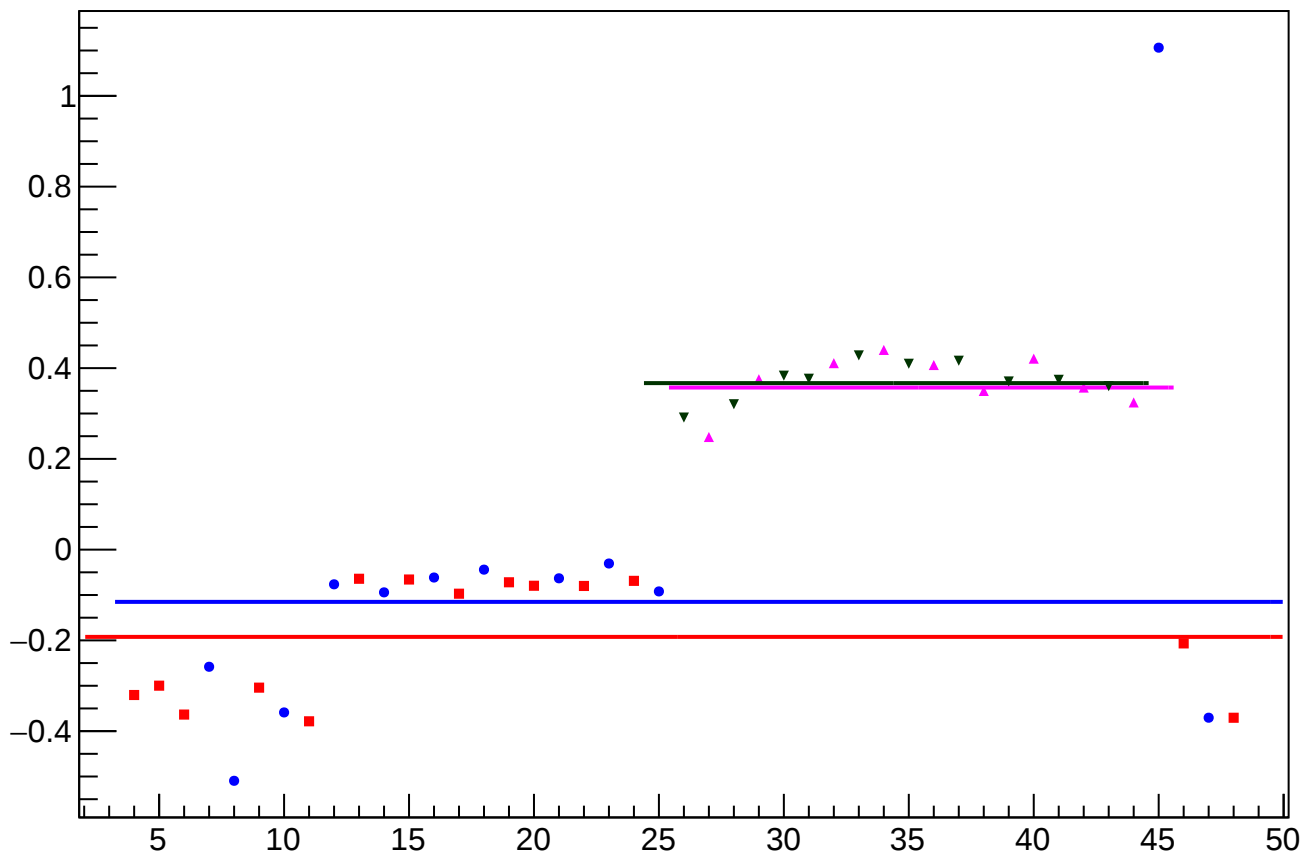
Right Out: 0.007+/-0.000 χ^2/NDF : 45586.6/13

Left In: 0.007+/-0.000 χ^2/NDF : 33164.0/8

0.007+/-0.000 χ^2/NDF : 98160.5/21

0.007+/-0.000 χ^2/NDF : 80636.6/22

yield_bpm0l05Y_mean vs slug



Right In: -0.115+/-0.000 χ^2/NDF : 34523565033.4/11

Left Out: 0.367+/-0.000 χ^2/NDF :258003359.9/9

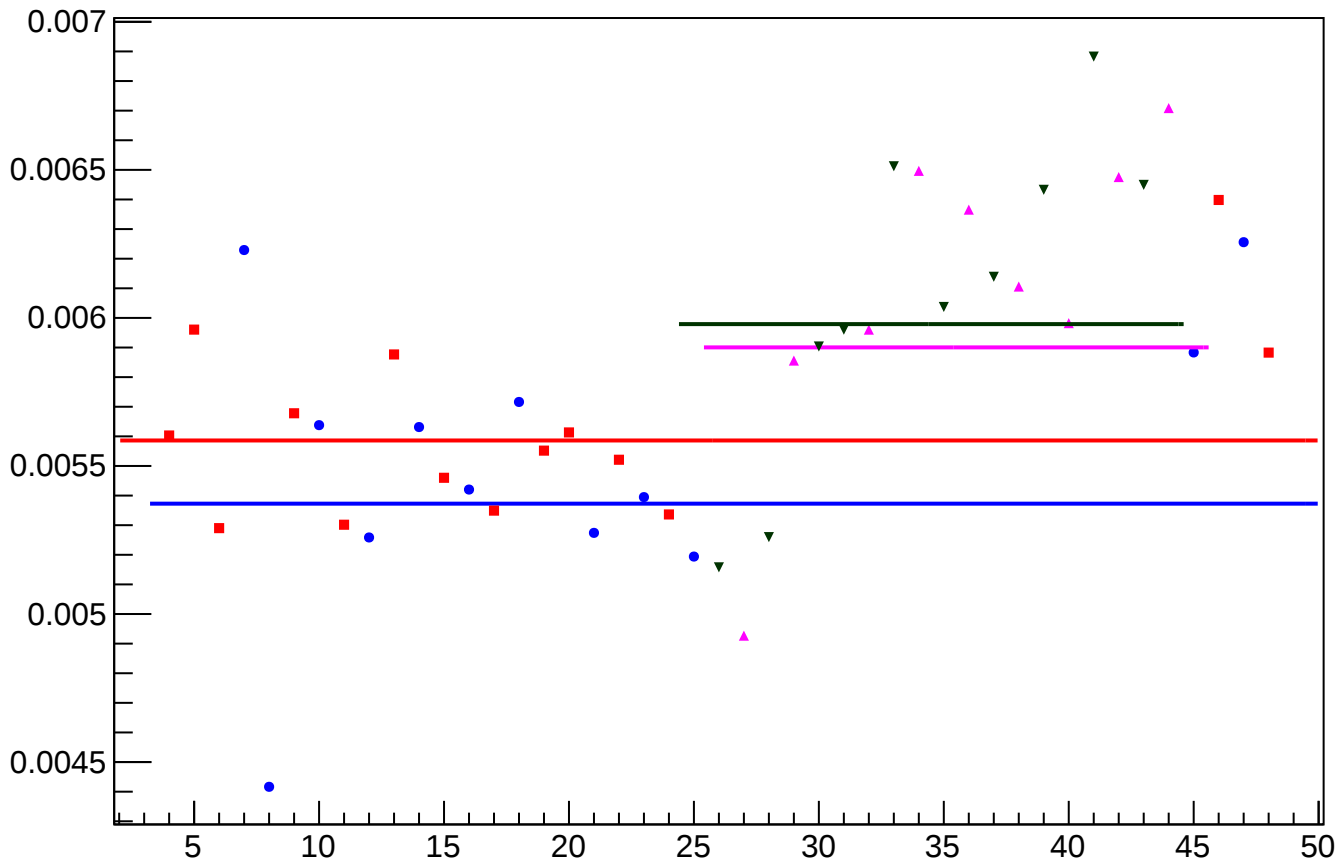
Right Out: -0.192+/-0.000 χ^2/NDF : 3970990309.9/13

Left In: 0.357+/-0.000 χ^2/NDF :650314960.7/8

0.058+/-0.000 χ^2/NDF : 55789650165.6/21

0.033+/-0.000 χ^2/NDF : 32360673628.3/22

yield_bpm0l05Y_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 133183.6/11

Left Out: 0.006+/-0.000 χ^2/NDF :84407.0/9

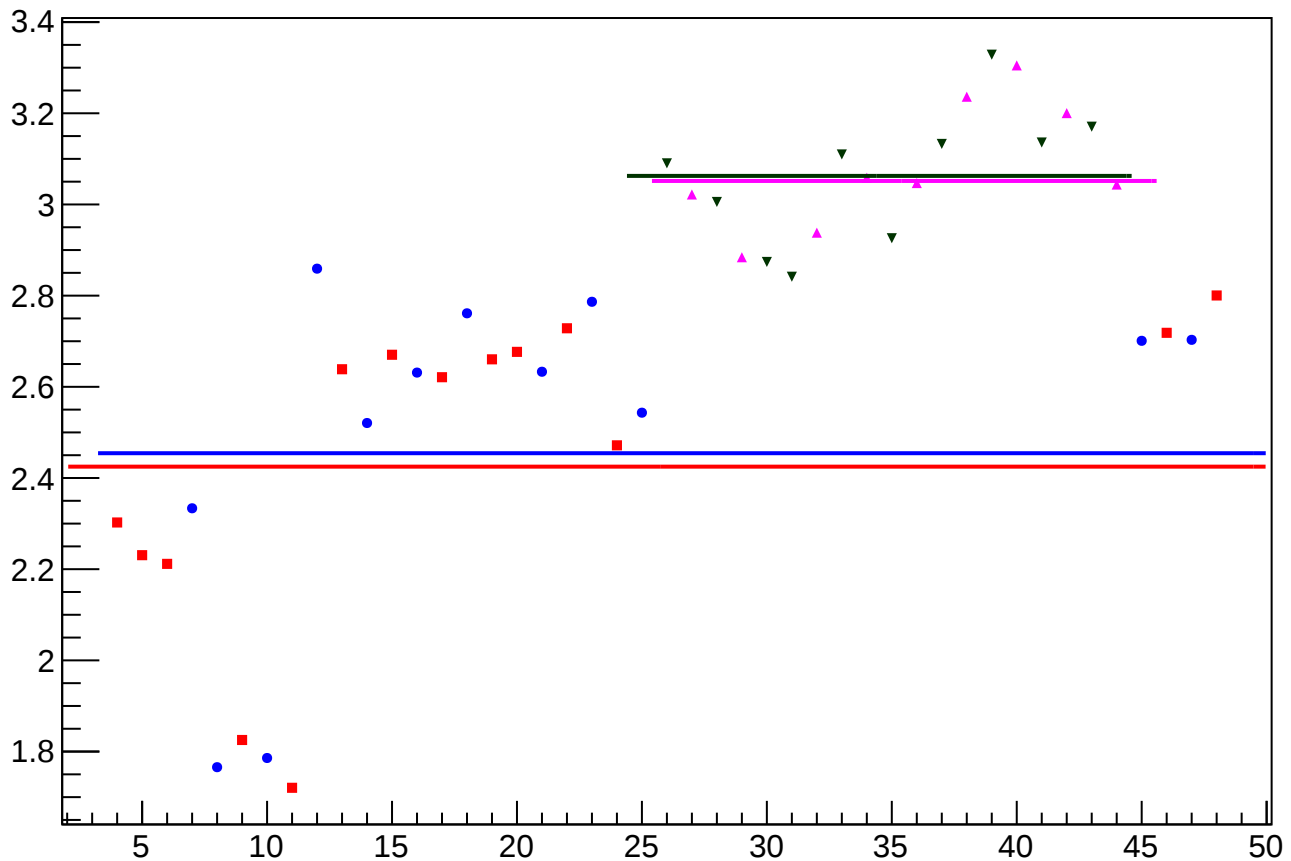
Right Out: 0.006+/-0.000 χ^2/NDF : 35511.2/13

Left In: 0.006+/-0.000 χ^2/NDF :101099.8/8

0.006+/-0.000 χ^2/NDF : 284058.5/21

0.006+/-0.000 χ^2/NDF : 154767.9/22

yield_bpm0l06X_mean vs slug



Right In: 2.454+/-0.000 χ^2/NDF : 8912744681.2/11

Left Out: 3.063+/-0.000 χ^2/NDF : 1107067165.5/9

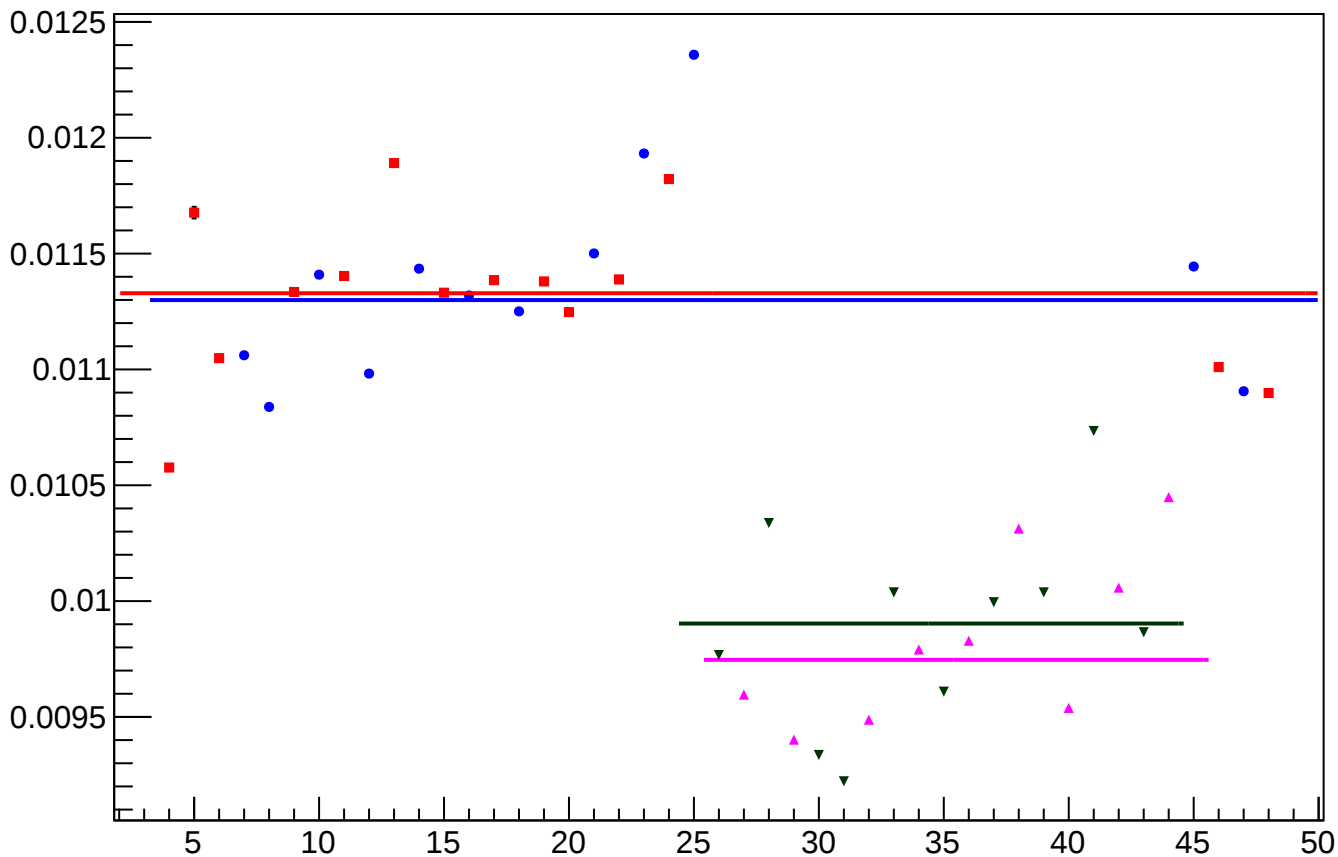
2.746+/-0.000 χ^2/NDF : 20327814542.3/21

Right Out: 2.425+/-0.000 χ^2/NDF : 7183120907.5/13

2.746+/-0.000 χ^2/NDF : 19382775269.7/22

Left In: 3.052+/-0.000 χ^2/NDF : 1015989993.5/8

yield_bpm0l06X_rms vs slug



Right In: 0.011+/-0.000 χ^2/NDF : 13217.0/11

Left Out: 0.010+/-0.000 χ^2/NDF :18813.8/9

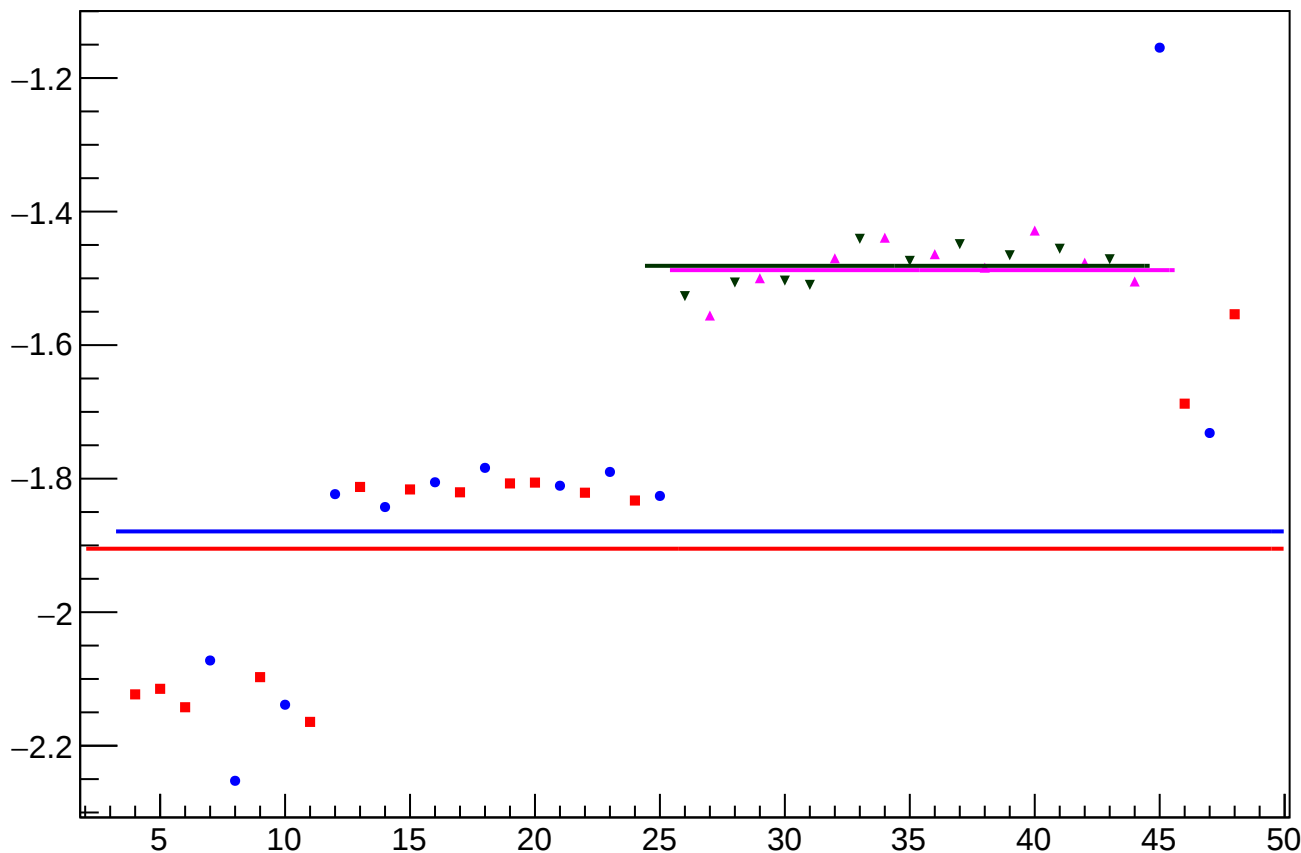
Right Out: 0.011+/-0.000 χ^2/NDF : 13104.3/13

Left In: 0.010+/-0.000 χ^2/NDF :13193.9/8

0.011+/-0.000 χ^2/NDF : 140658.9/21

0.011+/-0.000 χ^2/NDF : 168958.3/22

yield_bpm0l06Y_mean vs slug



Right In: -1.879+/-0.000 χ^2/NDF : 21016620021.2/11

Left Out: -1.481+/-0.000 χ^2/NDF : 133314200.9/9

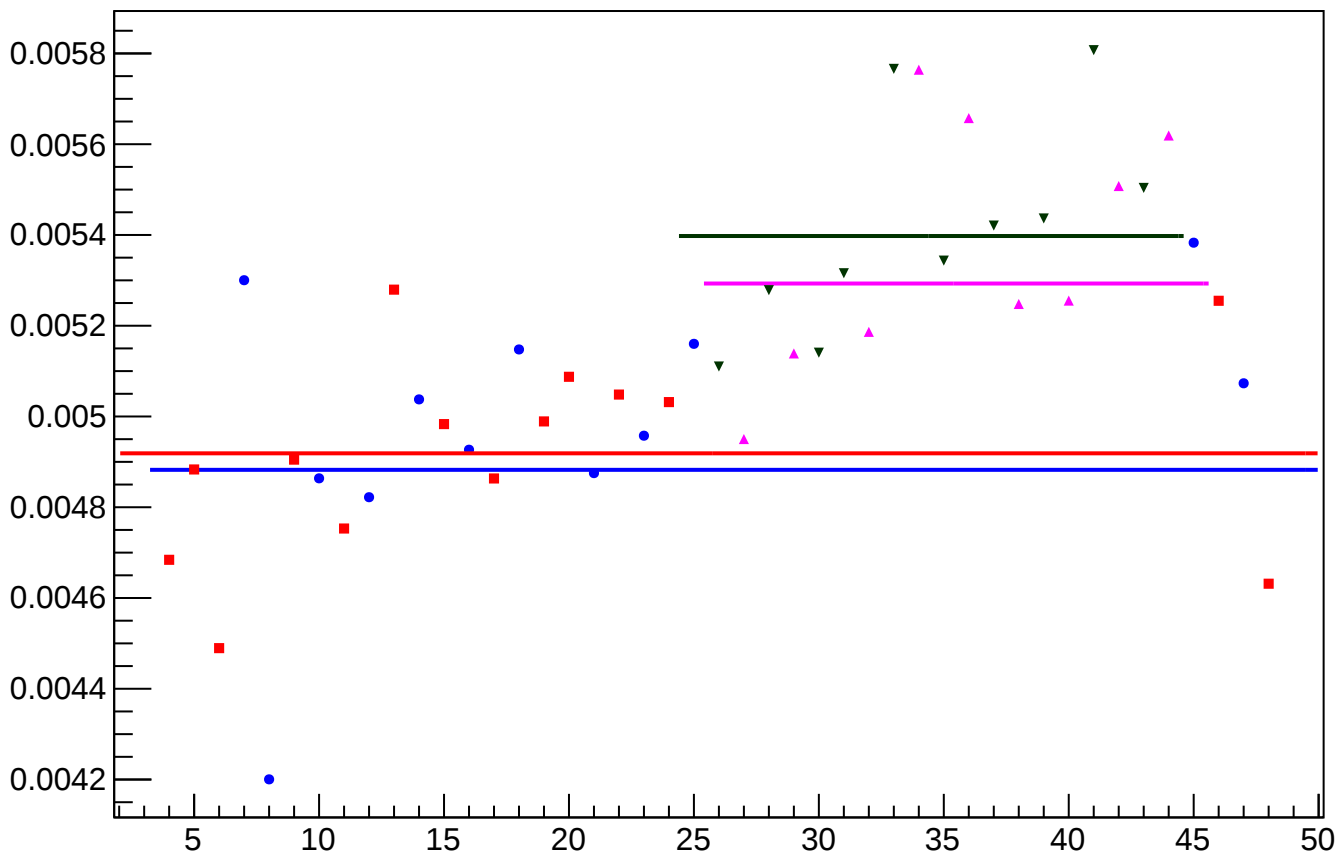
Right Out: -1.905+/-0.000 χ^2/NDF : 10154613808.5/13

Left In: -1.488+/-0.000 χ^2/NDF : 281282296.5/8

-1.734+/-0.000 χ^2/NDF : 38877357862.3/21

-1.737+/-0.000 χ^2/NDF : 30885799475.4/22

yield_bpm0l06Y_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 67875.8/11

Left Out: 0.005+/-0.000 χ^2/NDF :16600.8/9

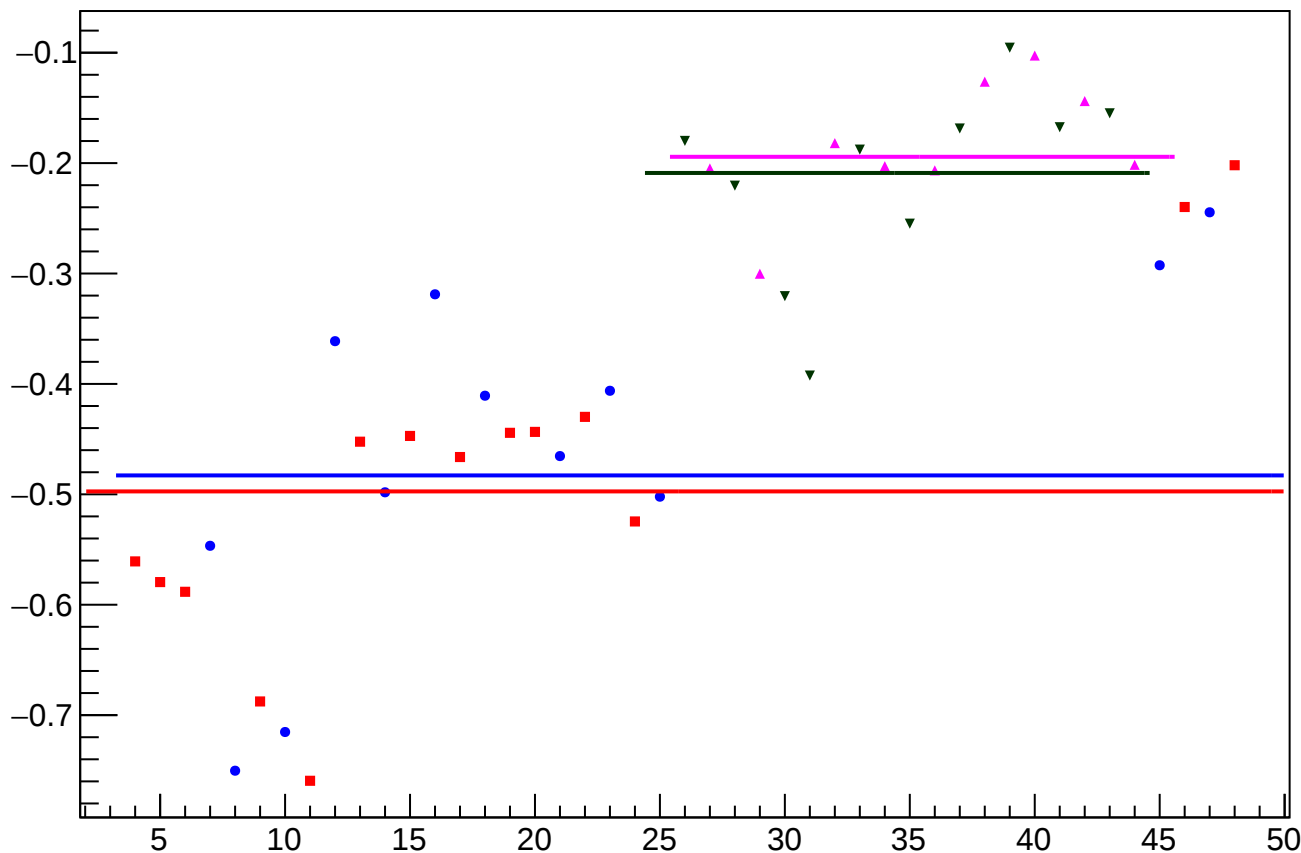
Right Out: 0.005+/-0.000 χ^2/NDF : 31347.0/13

Left In: 0.005+/-0.000 χ^2/NDF :25779.4/8

0.005+/-0.000 χ^2/NDF : 143965.0/21

0.005+/-0.000 χ^2/NDF : 90026.7/22

yield_bpm0l07X_mean vs slug



Right In: -0.483+/-0.000 χ^2/NDF : 675455957.8/11

Left Out: -0.209+/-0.000 χ^2/NDF : 145606796.2/9

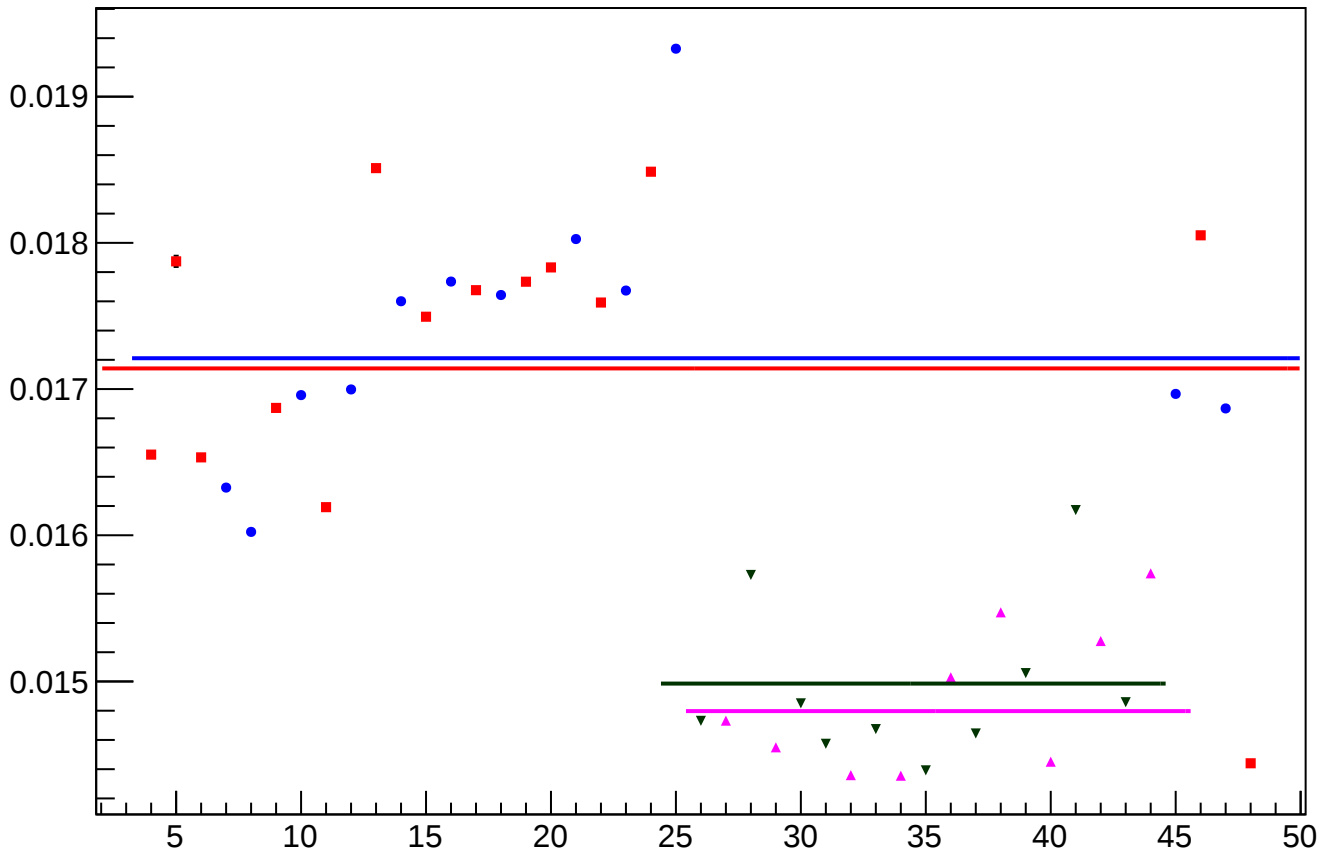
Right Out: -0.497+/-0.000 χ^2/NDF : 604931007.6/13

Left In: -0.194+/-0.000 χ^2/NDF : 81659796.5/8

-0.349+/-0.000 χ^2/NDF : 1733783815.6/21

-0.341+/-0.000 χ^2/NDF : 1822931626.0/22

yield_bpm0l07X_rms vs slug



Right In: 0.017+/-0.000 χ^2/NDF : 24892.6/11

Left Out: 0.015+/-0.000 χ^2/NDF :13214.2/9

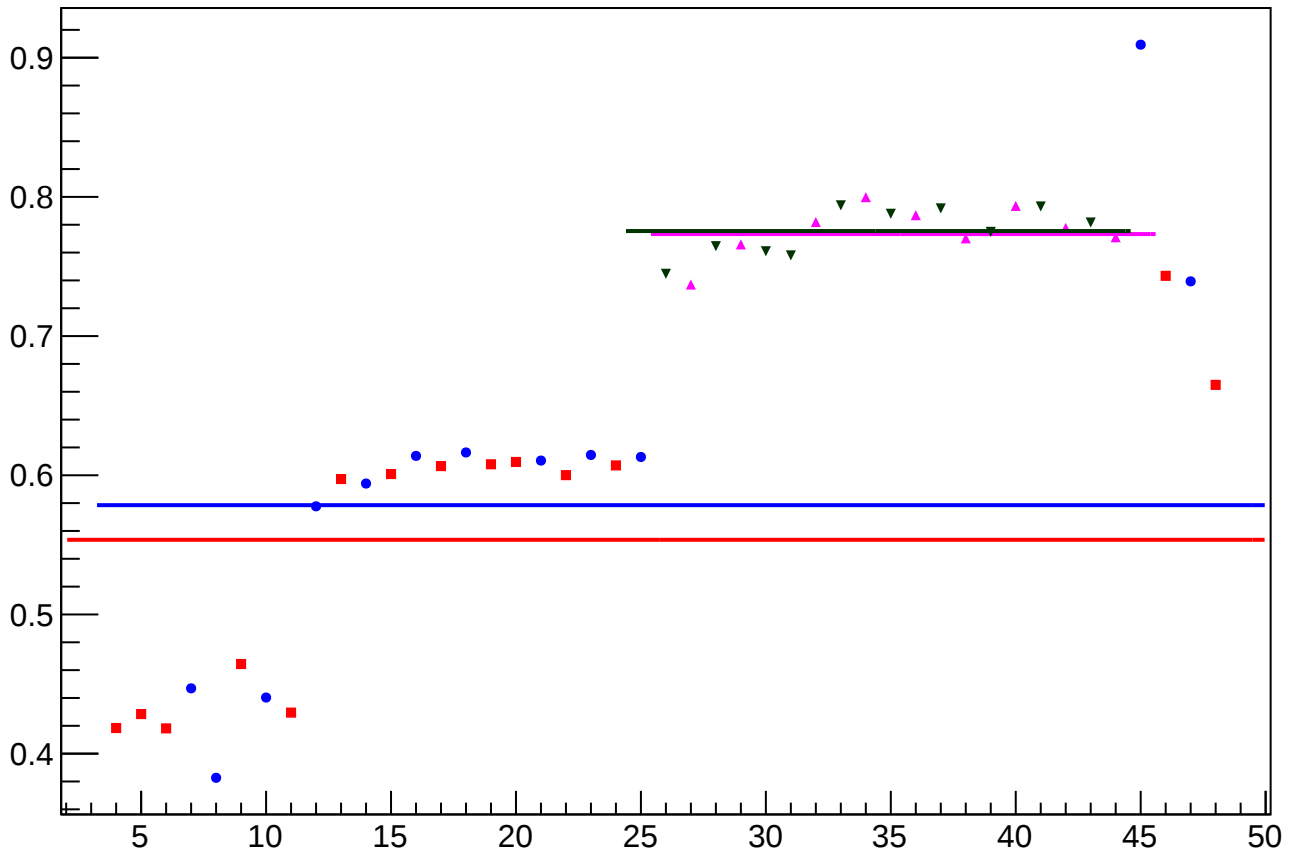
Right Out: 0.017+/-0.000 χ^2/NDF : 61430.4/13

Left In: 0.015+/-0.000 χ^2/NDF :10554.2/8

0.016+/-0.000 χ^2/NDF : 158561.2/21

0.016+/-0.000 χ^2/NDF : 207922.1/22

yield_bpm0l07Y_mean vs slug



Right In: 0.579+/-0.000 χ^2/NDF : 13818800408.1/11

Left Out: 0.775+/-0.000 χ^2/NDF : 122038329.5/9

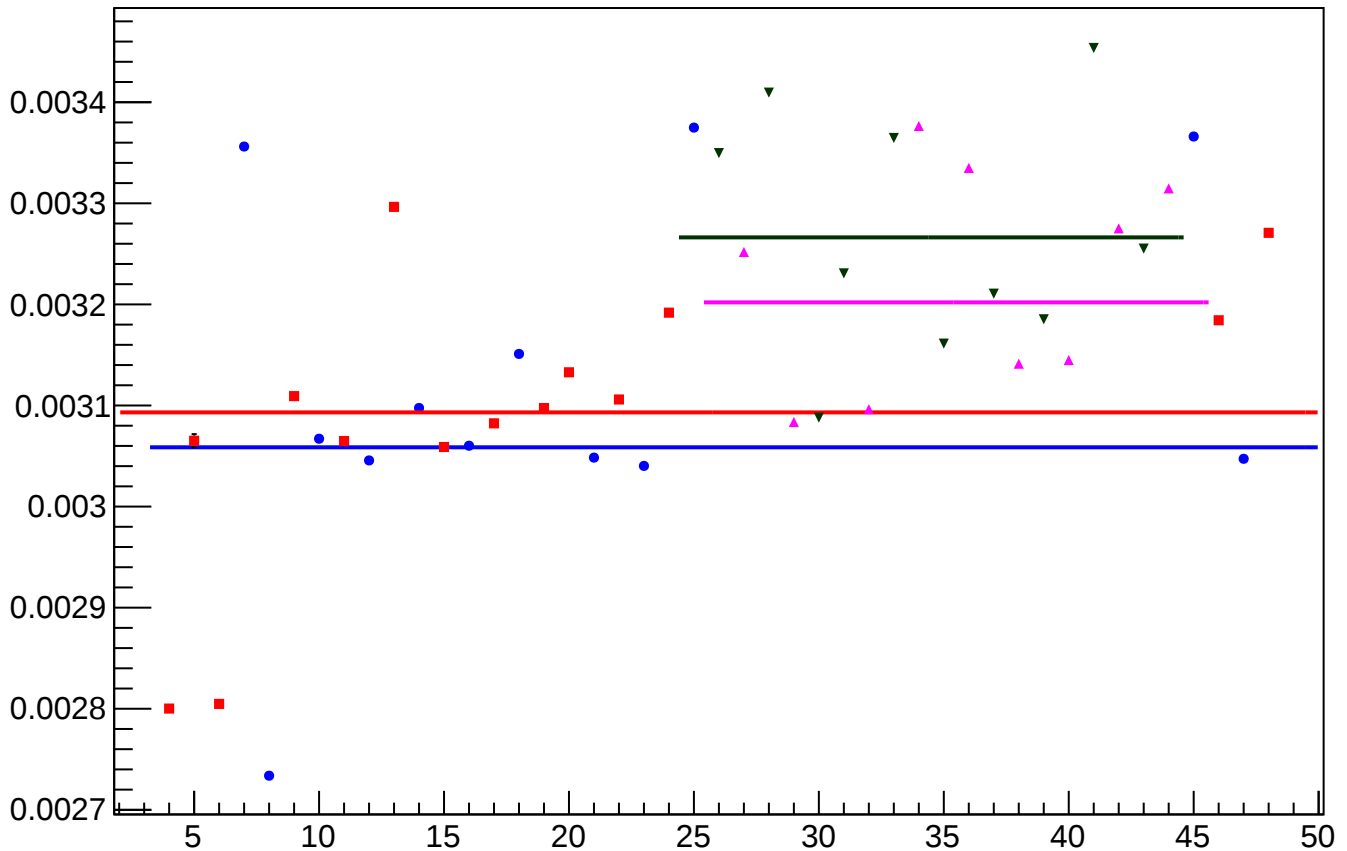
0.654+/-0.000 χ^2/NDF : 25576731249.6/21

Right Out: 0.554+/-0.000 χ^2/NDF : 7138938972.2/13

0.646+/-0.000 χ^2/NDF : 22372661669.7/22

Left In: 0.773+/-0.000 χ^2/NDF : 173800769.3/8

yield_bpm0l07Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 44227.5/11

Left Out: 0.003+/-0.000 χ^2/NDF :12873.3/9

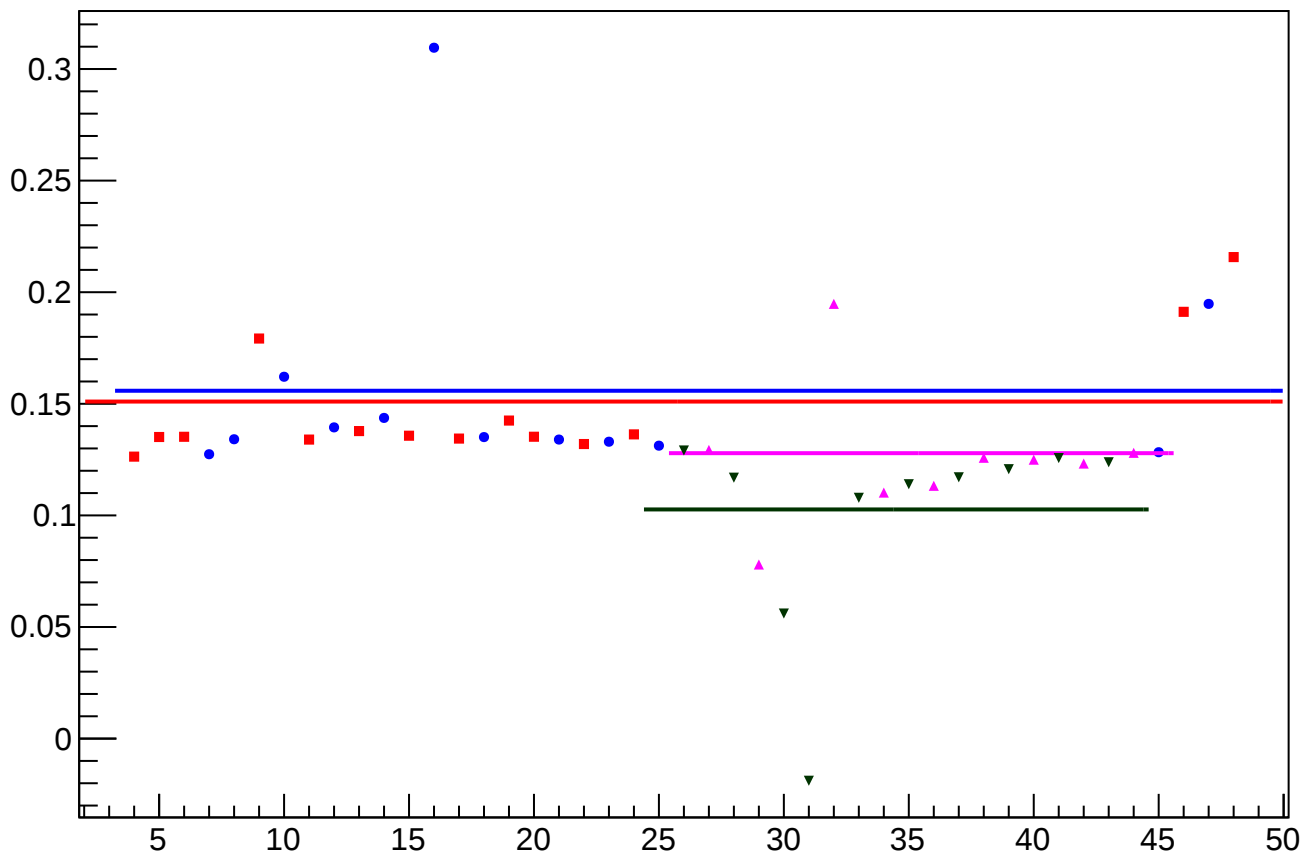
Right Out: 0.003+/-0.000 χ^2/NDF : 31043.7/13

Left In: 0.003+/-0.000 χ^2/NDF :11463.7/8

0.003+/-0.000 χ^2/NDF : 82972.9/21

0.003+/-0.000 χ^2/NDF : 49903.7/22

yield_bpm0l08X_mean vs slug



Right In: 0.156+/-0.000 χ^2/NDF : 65288586.8/11

Left Out: 0.103+/-0.000 χ^2/NDF : 42575286.2/9

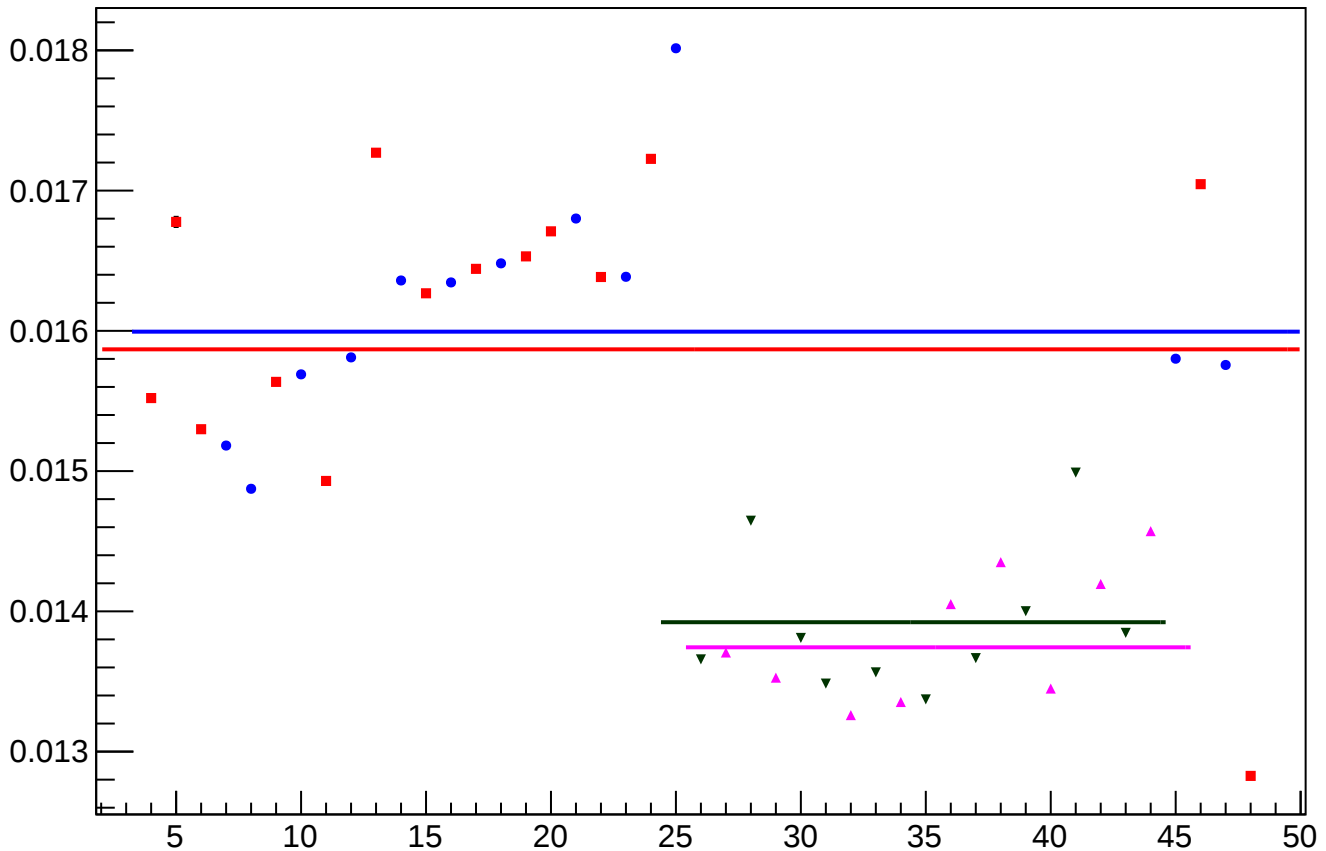
Right Out: 0.151+/-0.000 χ^2/NDF : 21870679.3/13

Left In: 0.128+/-0.000 χ^2/NDF : 35319224.9/8

0.130+/-0.000 χ^2/NDF : 147643970.0/21

0.139+/-0.000 χ^2/NDF : 64850833.4/22

yield_bpm0l08X_rms vs slug



Right In: 0.016+/-0.000 χ^2/NDF : 25550.7/11

Left Out: 0.014+/-0.000 χ^2/NDF : 13410.6/9

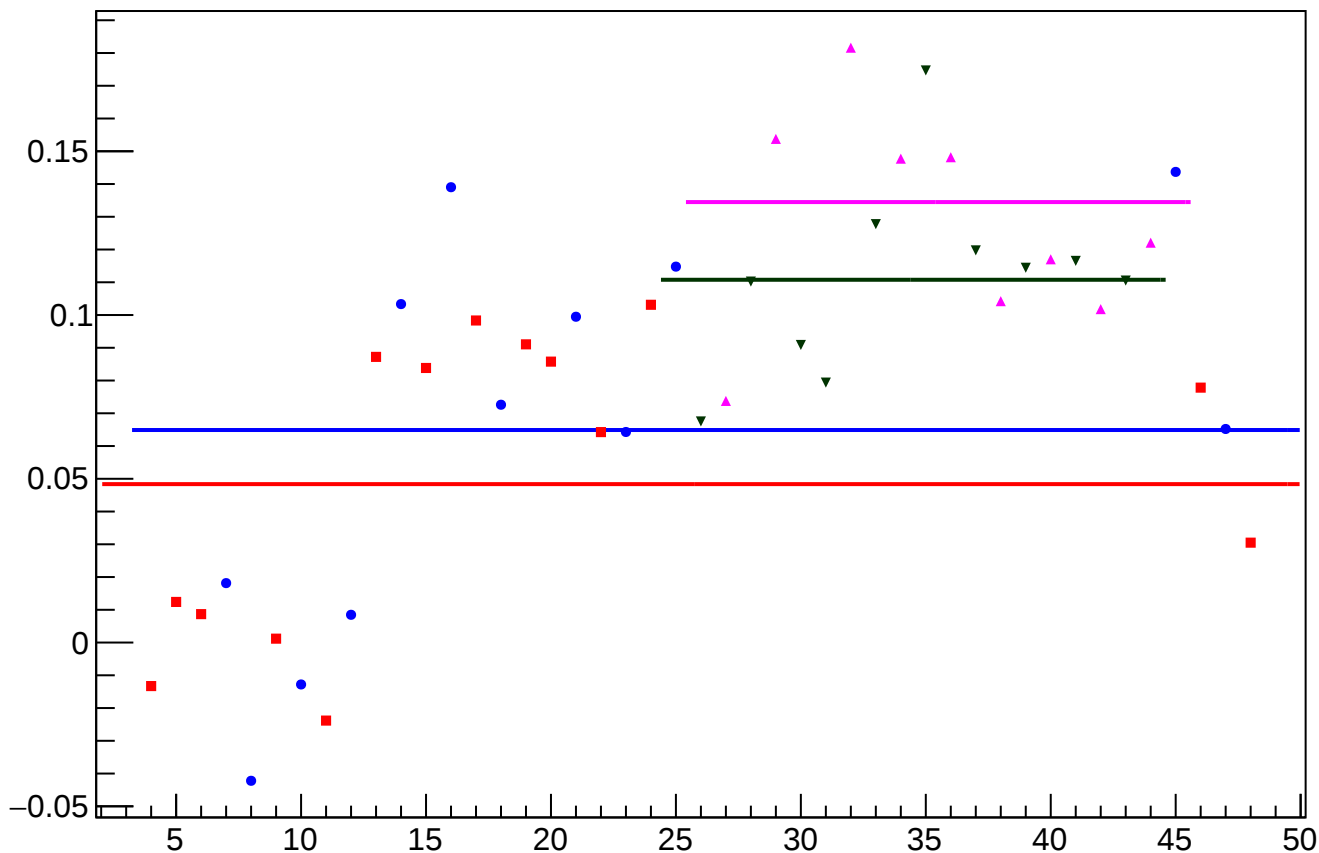
Right Out: 0.016+/-0.000 χ^2/NDF : 87158.0/13

Left In: 0.014+/-0.000 χ^2/NDF : 10776.7/8

0.015+/-0.000 χ^2/NDF : 159709.3/21

0.015+/-0.000 χ^2/NDF : 227275.9/22

yield_bpm0l08Y_mean vs slug



Right In: 0.065+/-0.000 χ^2/NDF : 2454705117.7/11

Left Out: 0.111+/-0.000 χ^2/NDF : 325634113.5/9

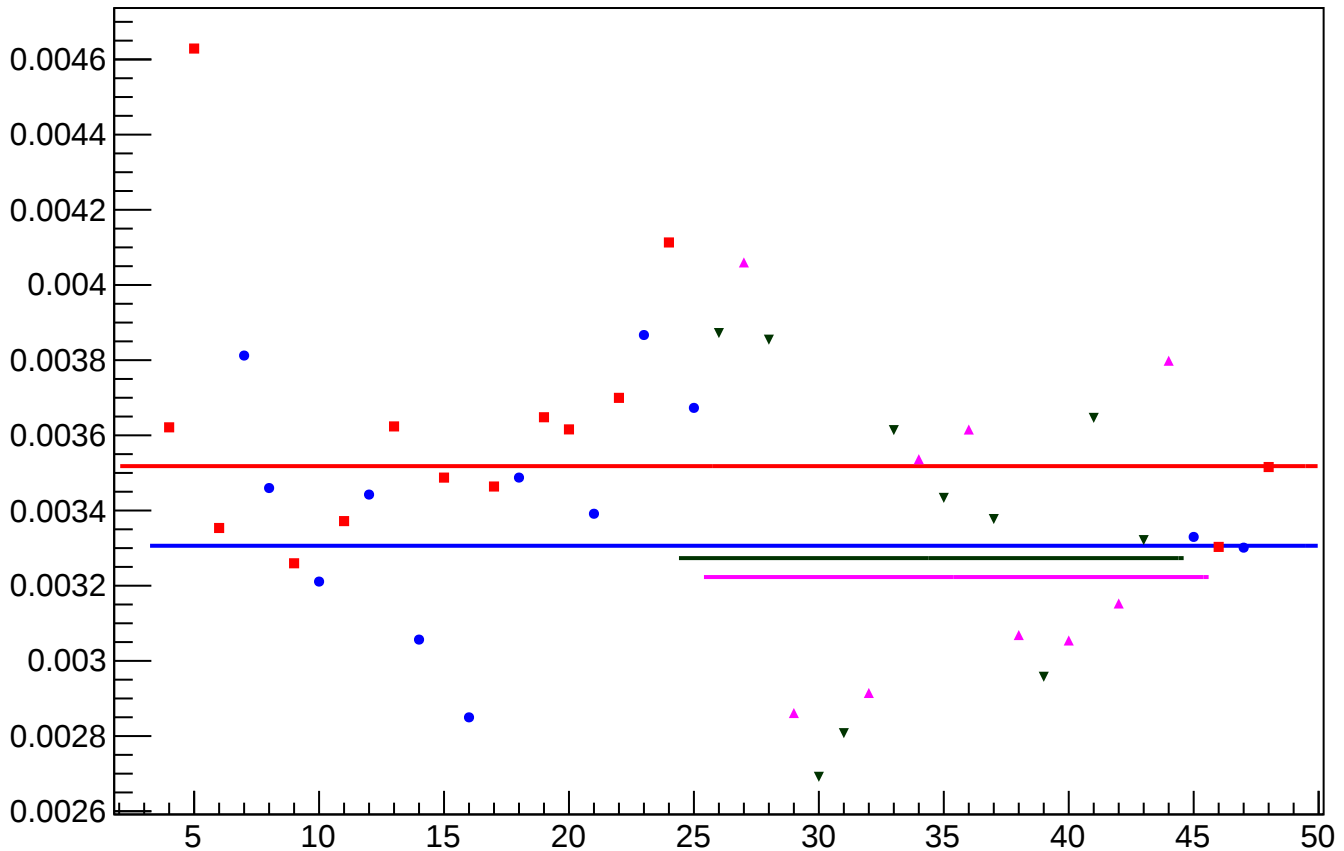
Right Out: 0.048+/-0.000 χ^2/NDF : 1123633306.2/13

Left In: 0.134+/-0.000 χ^2/NDF : 584141111.2/8

0.084+/-0.000 χ^2/NDF : 3354763268.0/21

0.090+/-0.000 χ^2/NDF : 3685405190.7/22

yield_bpm0l08Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 88965.7/11

Left Out: 0.003+/-0.000 χ^2/NDF : 157067.3/9

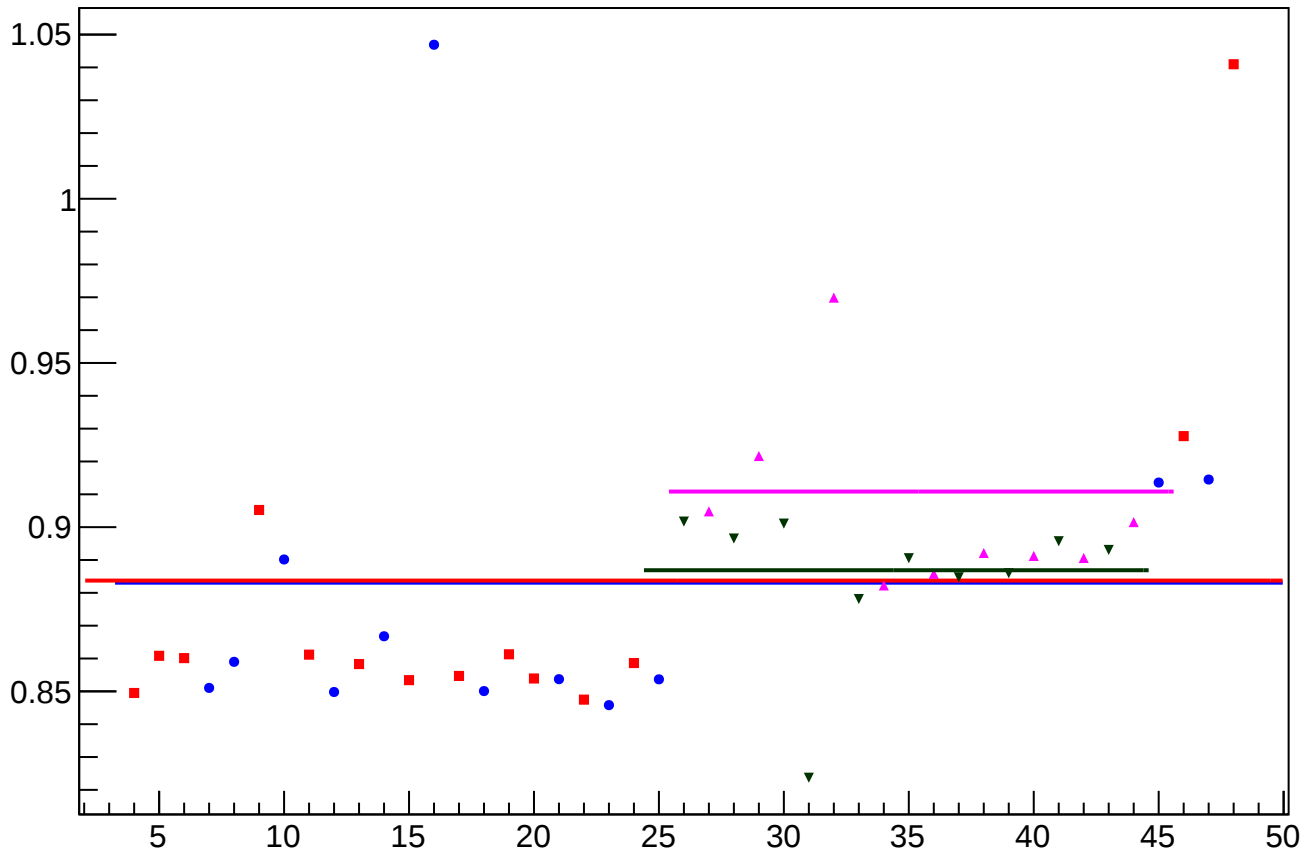
Right Out: 0.004+/-0.000 χ^2/NDF : 58080.2/13

Left In: 0.003+/-0.000 χ^2/NDF : 163315.9/8

0.003+/-0.000 χ^2/NDF : 246622.2/21

0.003+/-0.000 χ^2/NDF : 267834.2/22

yield_bpm0l09X_mean vs slug



Right In: 0.883 $\pm$ 0.000 χ^2 /NDF: 83611502.1/11

Left Out: 0.887 $\pm$ 0.000 χ^2 /NDF:10371268.3/9

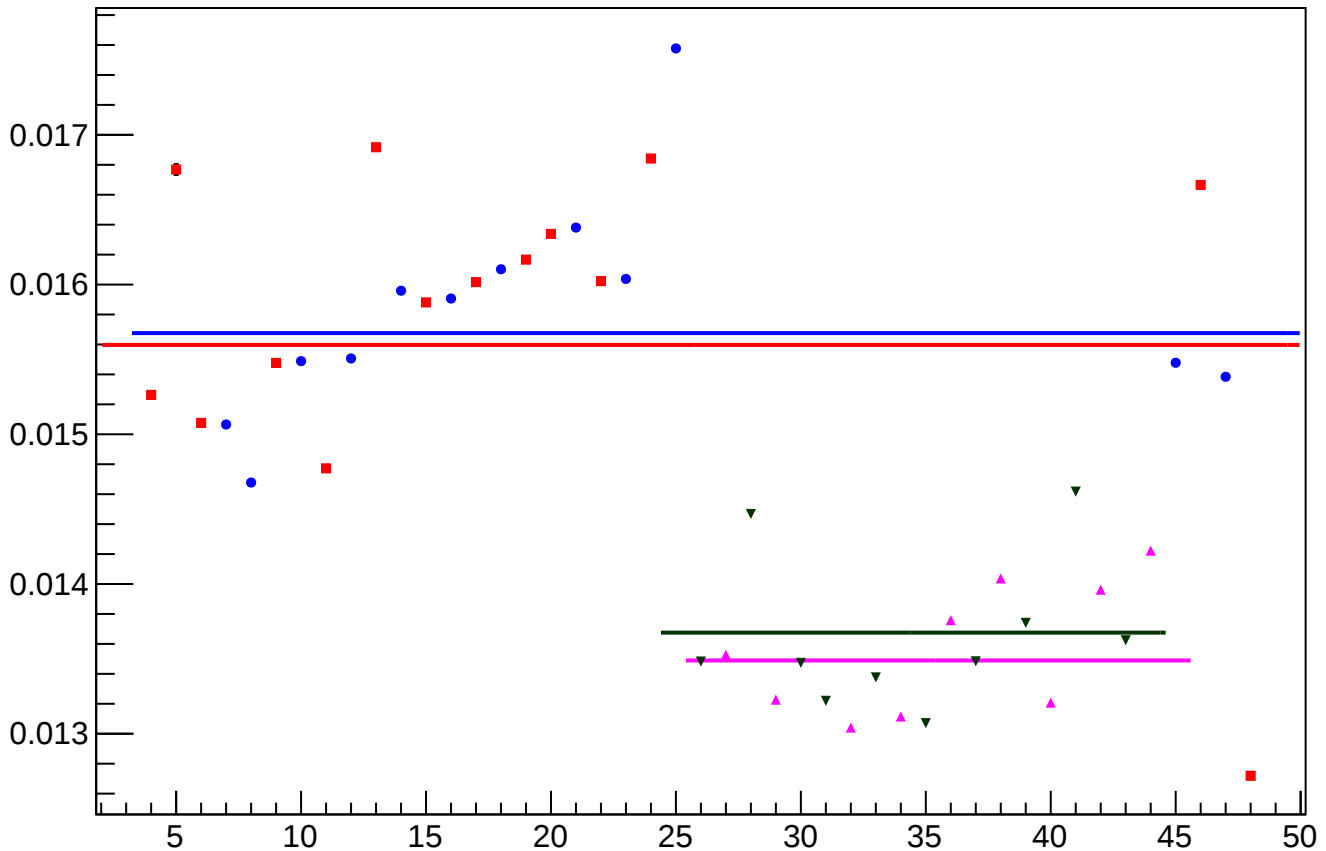
Right Out: 0.884 $\pm$ 0.000 χ^2 /NDF: 89817379.9/13

Left In: 0.911 $\pm$ 0.000 χ^2 /NDF:26013449.3/8

0.885 $\pm$ 0.000 χ^2 /NDF: 94192653.4/21

0.898 $\pm$ 0.000 χ^2 /NDF: 126736951.8/22

yield_bpm0l09X_rms vs slug



Right In: 0.016+/-0.000 χ^2/NDF : 20759.2/11

Left Out: 0.014+/-0.000 χ^2/NDF :13316.5/9

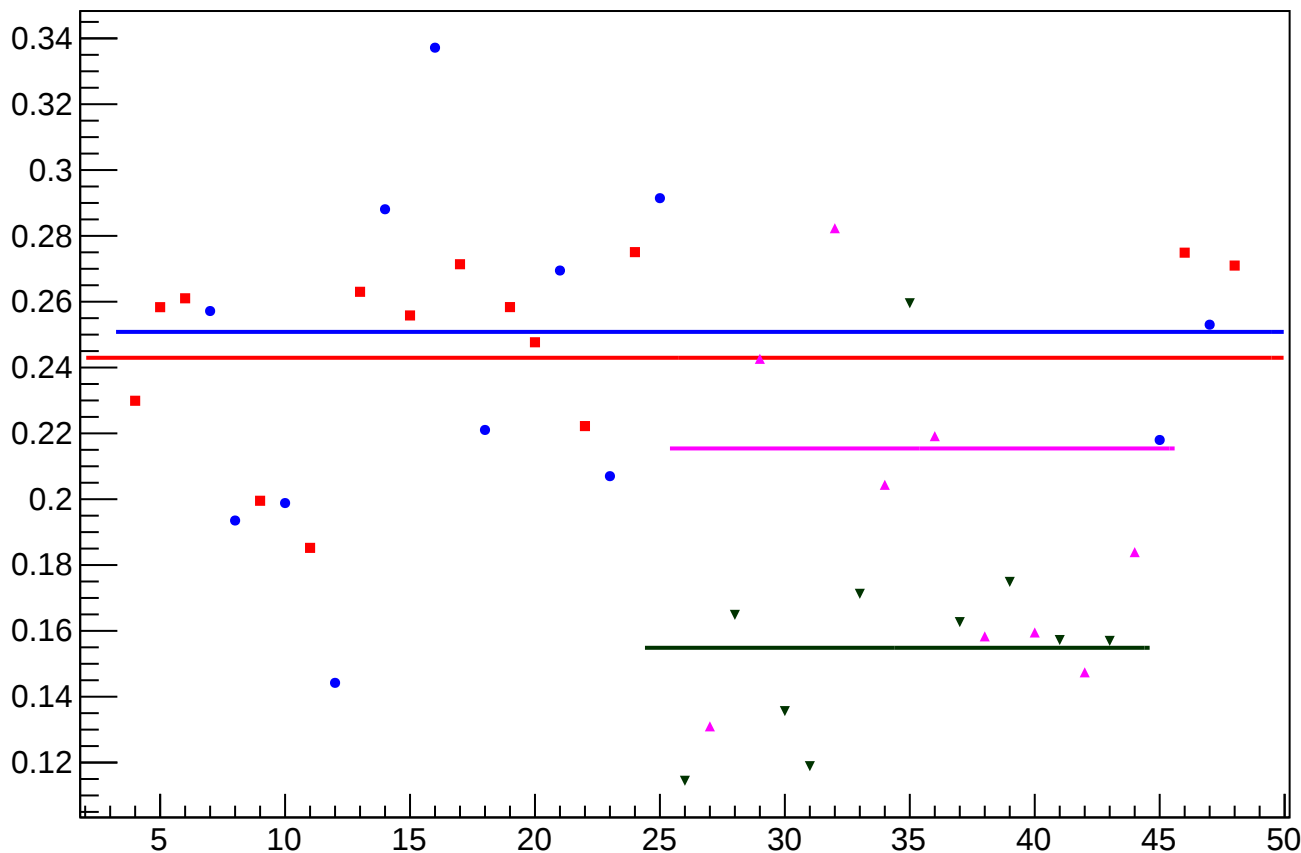
0.015+/-0.000 χ^2/NDF : 150915.2/21

Right Out: 0.016+/-0.000 χ^2/NDF : 77585.7/13

0.015+/-0.000 χ^2/NDF : 219255.9/22

Left In: 0.013+/-0.000 χ^2/NDF :9868.2/8

yield_bpm0l09Y_mean vs slug



Right In: 0.251+/-0.000 χ^2/NDF : 1652704690.3/11

Left Out: 0.155+/-0.000 χ^2/NDF : 491584814.3/9

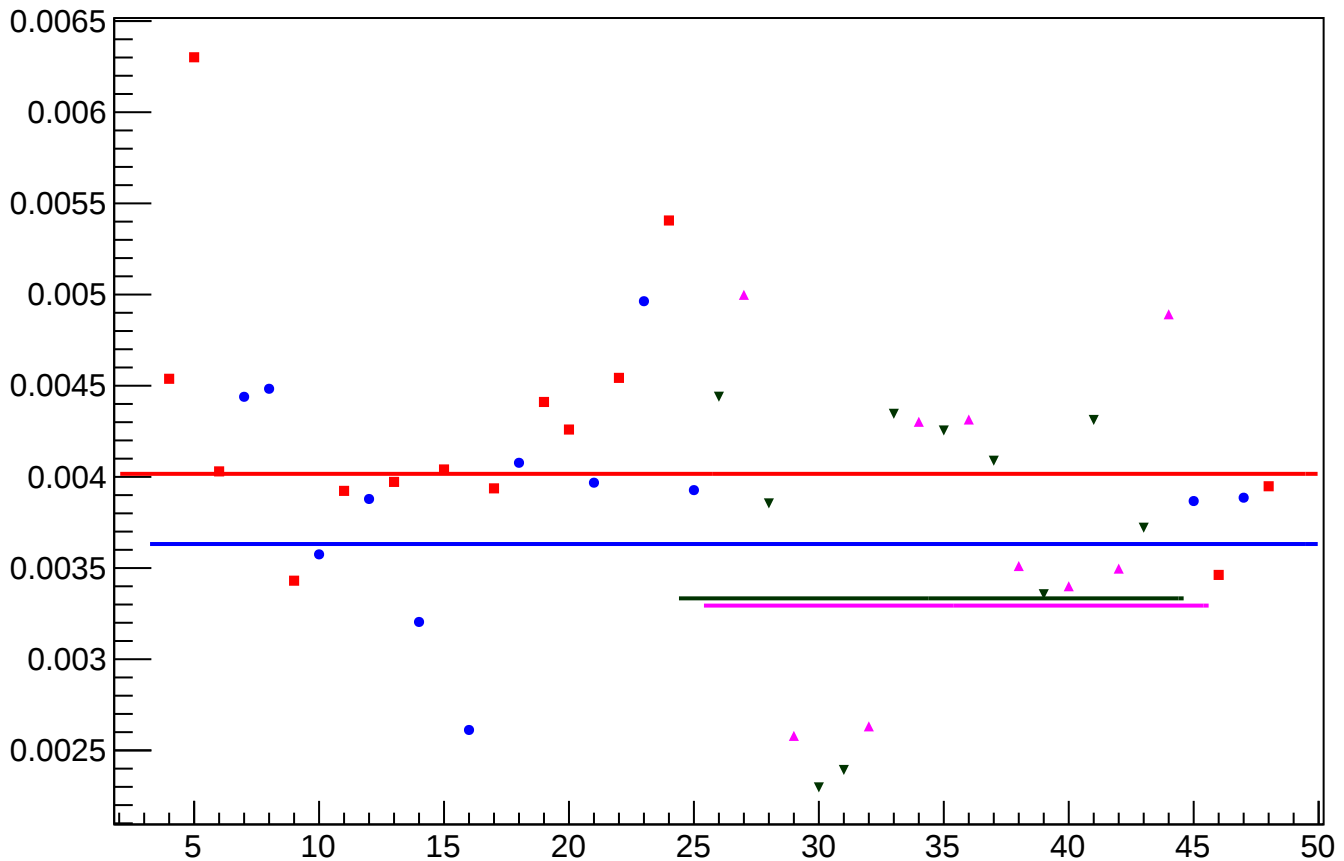
Right Out: 0.243+/-0.000 χ^2/NDF : 404739560.8/13

Left In: 0.215+/-0.000 χ^2/NDF : 1302153804.0/8

0.208+/-0.000 χ^2/NDF : 4279889801.4/21

0.228+/-0.000 χ^2/NDF : 1869772253.9/22

yield_bpm0l09Y_rms vs slug



Right In: 0.004 $\pm$ 0.000 χ^2/NDF : 399992.0/11

Left Out: 0.003 $\pm$ 0.000 χ^2/NDF : 596508.1/9

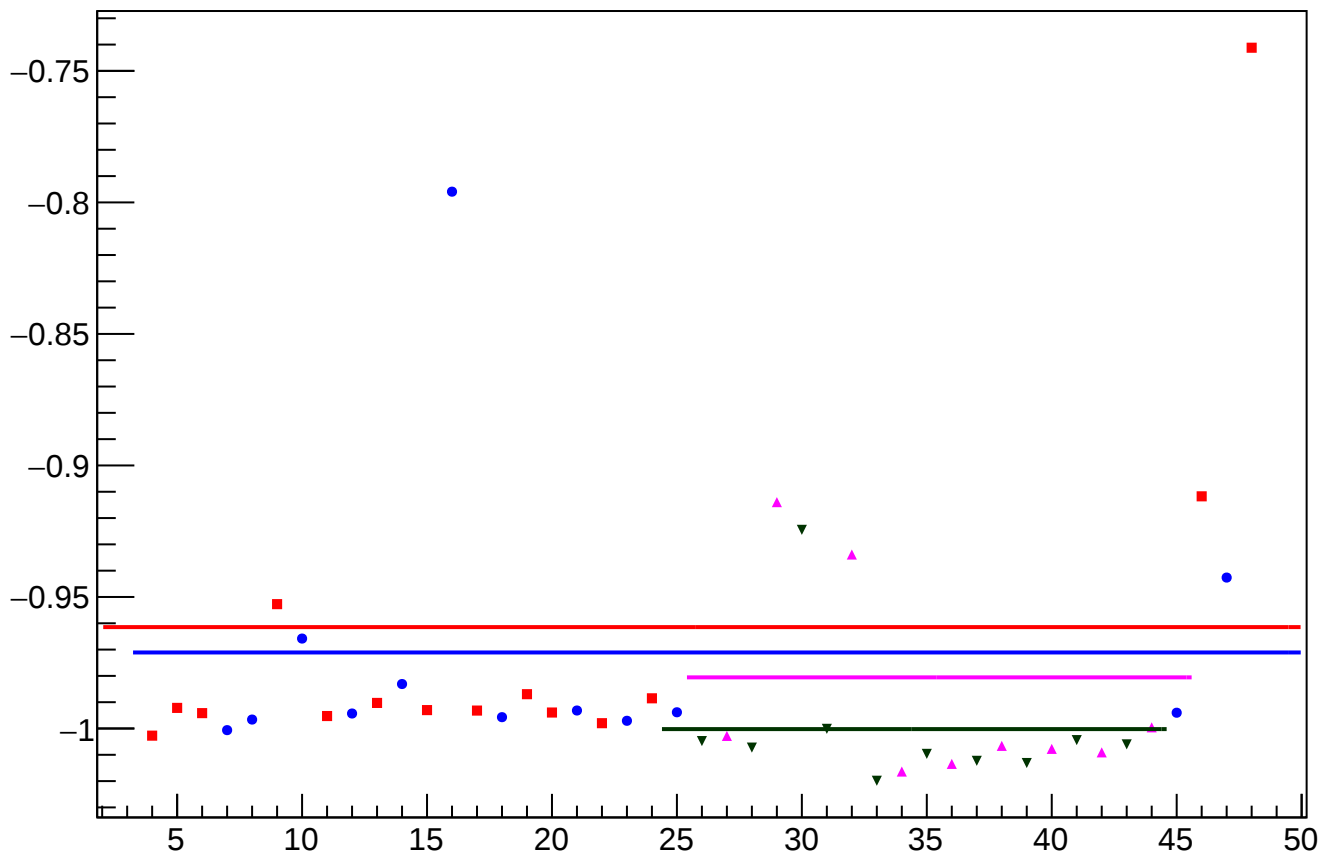
Right Out: 0.004 $\pm$ 0.000 χ^2/NDF : 187186.8/13

Left In: 0.003 $\pm$ 0.000 χ^2/NDF : 624356.7/8

0.003 $\pm$ 0.000 χ^2/NDF : 1037691.5/21

0.004 $\pm$ 0.000 χ^2/NDF : 1035628.8/22

yield_bpm0l10X_mean vs slug



Right In: -0.971+/-0.000 χ^2/NDF : 93097837.3/11

Left Out: -1.000+/-0.000 χ^2/NDF : 20984094.7/9

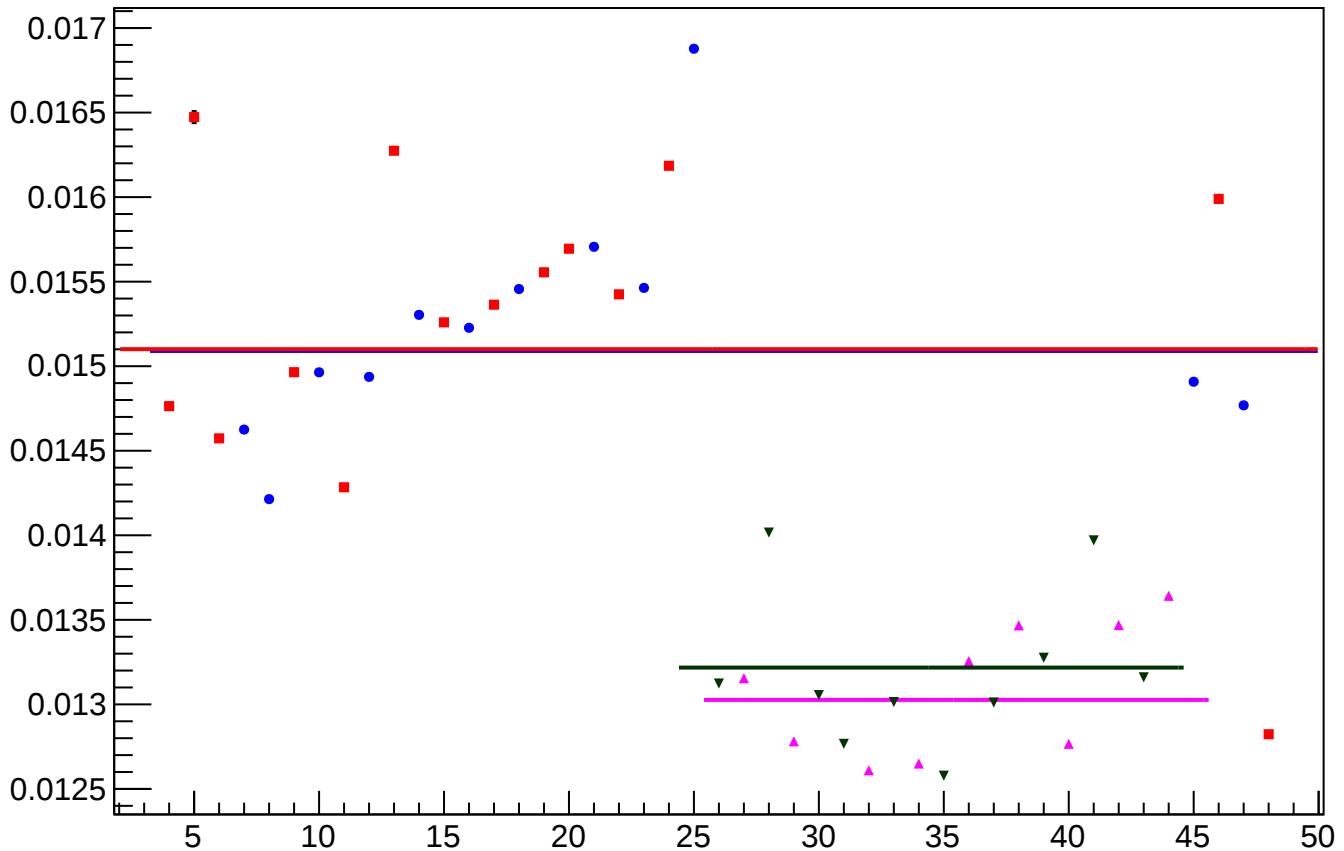
Right Out: -0.961+/-0.000 χ^2/NDF : 163335482.0/13

Left In: -0.981+/-0.000 χ^2/NDF : 51761164.5/8

-0.985+/-0.000 χ^2/NDF : 127377681.4/21

-0.971+/-0.000 χ^2/NDF : 220887095.7/22

yield_bpm0l10X_rms vs slug



Right In: 0.015+/-0.000 χ^2/NDF : 17722.9/11

Left Out: 0.013+/-0.000 χ^2/NDF :12265.8/9

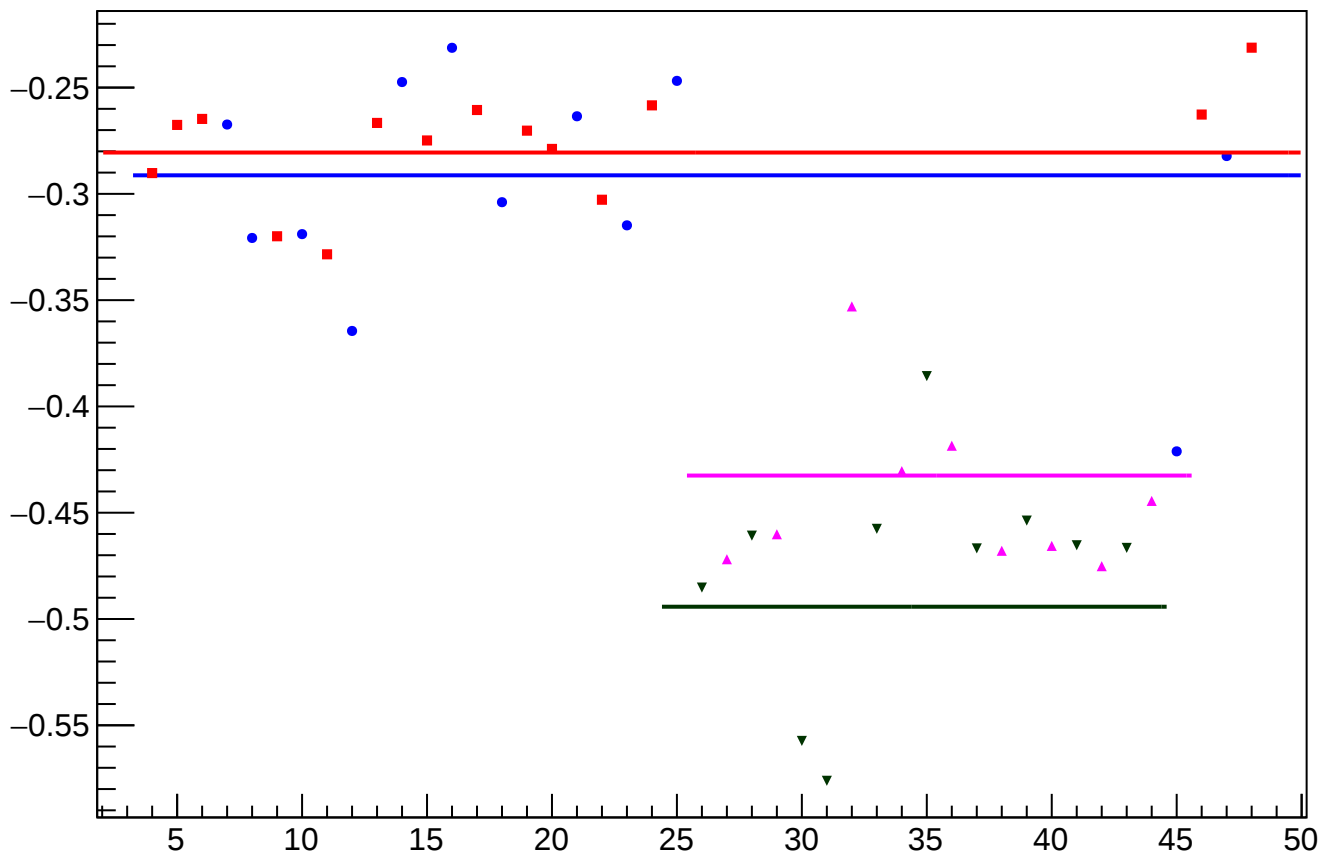
Right Out: 0.015+/-0.000 χ^2/NDF : 55798.0/13

Left In: 0.013+/-0.000 χ^2/NDF :8570.4/8

0.014+/-0.000 χ^2/NDF : 139866.9/21

0.014+/-0.000 χ^2/NDF : 200857.4/22

yield_bpm0l10Y_mean vs slug



Right In: -0.291+/-0.000 χ^2/NDF : 1782845063.9/11

Left Out: -0.494+/-0.000 χ^2/NDF : 1568805763.5/9

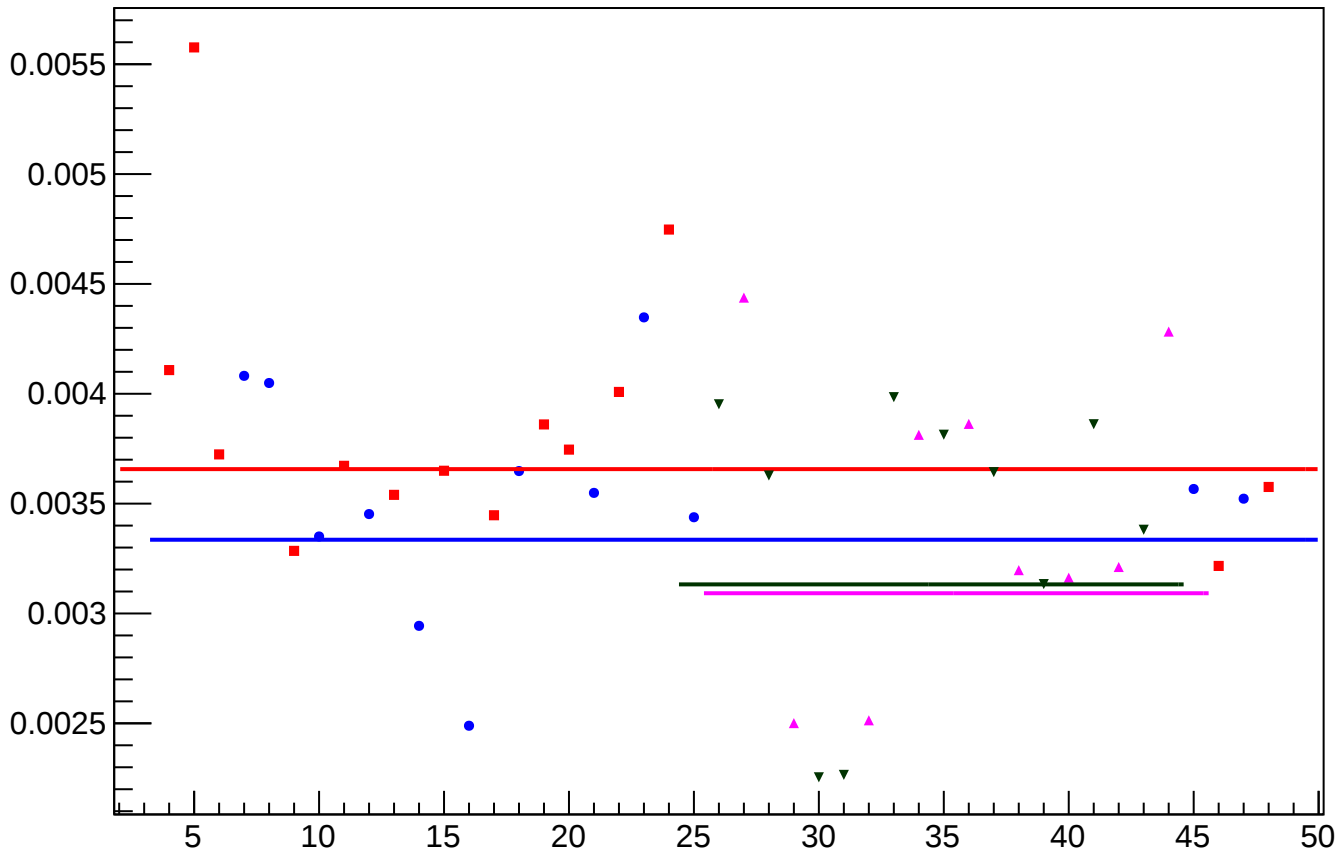
Right Out: -0.281+/-0.000 χ^2/NDF : 383100291.7/13

Left In: -0.433+/-0.000 χ^2/NDF : 1186728653.8/8

-0.380+/-0.000 χ^2/NDF : 14606260633.7/21

-0.359+/-0.000 χ^2/NDF : 7487314161.9/22

yield_bpm0l10Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 316147.7/11

Left Out: 0.003+/-0.000 χ^2/NDF : 463941.8/9

Right Out: 0.004+/-0.000 χ^2/NDF : 136450.5/13

Left In: 0.003+/-0.000 χ^2/NDF : 472745.5/8

0.003+/-0.000 χ^2/NDF : 802661.1/21

0.003+/-0.000 χ^2/NDF : 772762.9/22