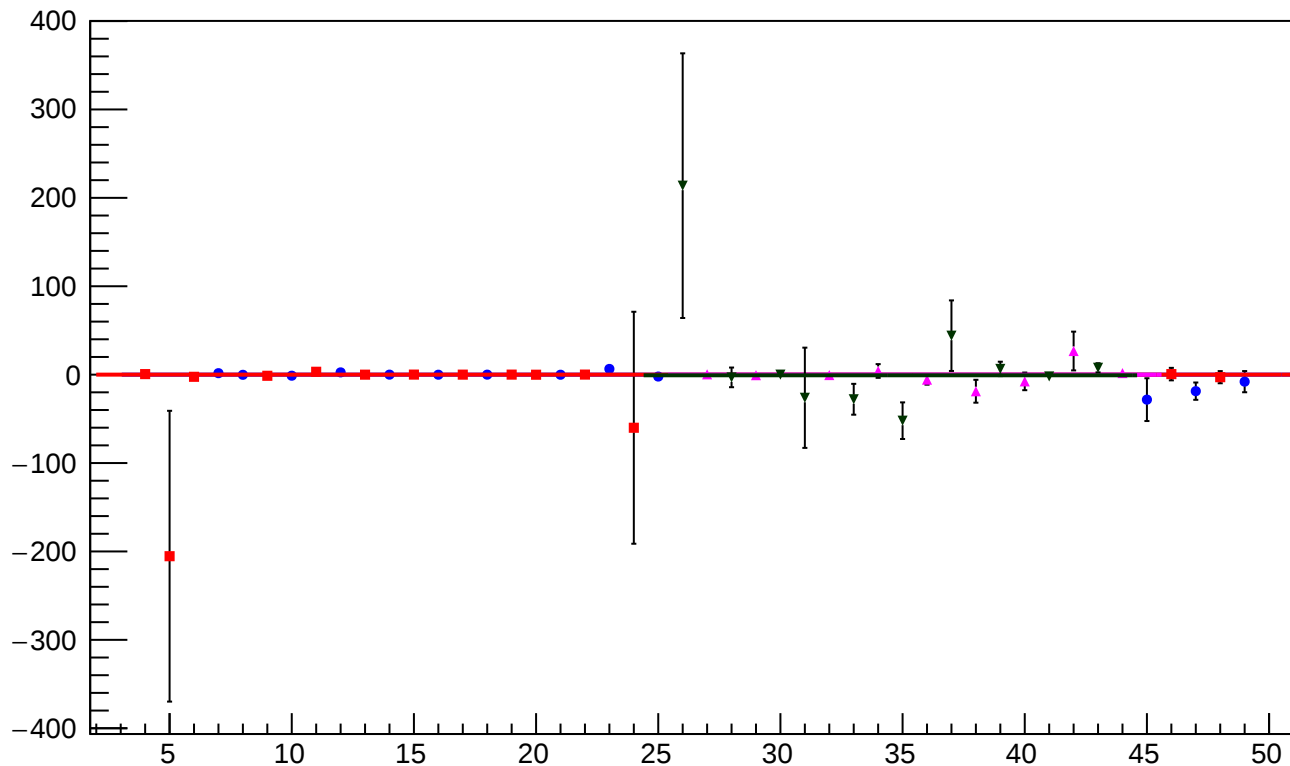


diff_cav4bX_mean vs slug



Right In: -0.014 $\pm$ 0.014

χ^2 /NDF: 23.4/12

Left Out: -0.705 $\pm$ 1.554

χ^2 /NDF: 16.1/9

Right Out: 0.017 $\pm$ 0.016

χ^2 /NDF: 19.5/13

Left In: -0.086 $\pm$ 0.168

χ^2 /NDF: 15.5/8

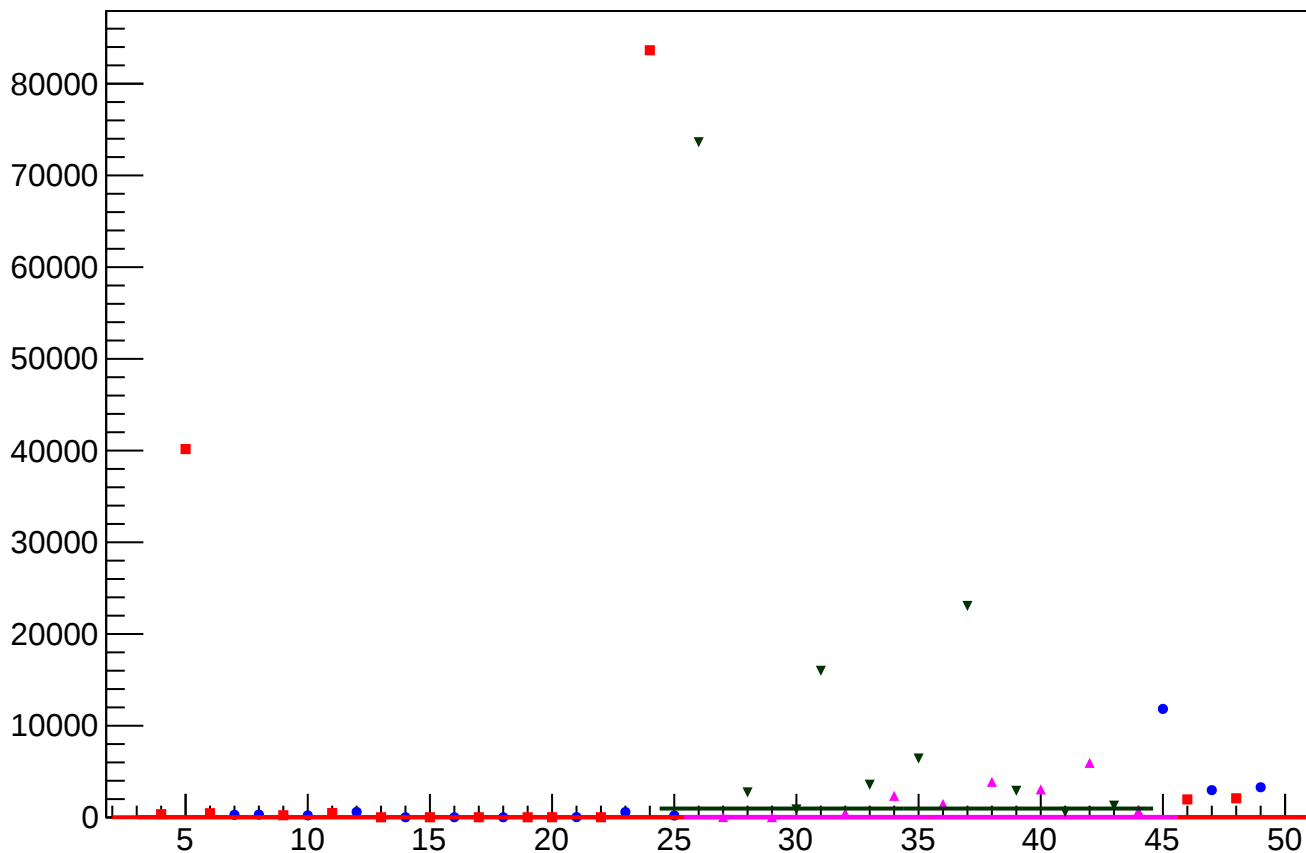
-0.014 $\pm$ 0.014

χ^2 /NDF: 39.7/22

0.016 $\pm$ 0.016

χ^2 /NDF: 35.4/22

diff_cav4bX_rms vs slug



Right In: 22.414+/-0.010 χ^2/NDF : 1578501.2/12

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

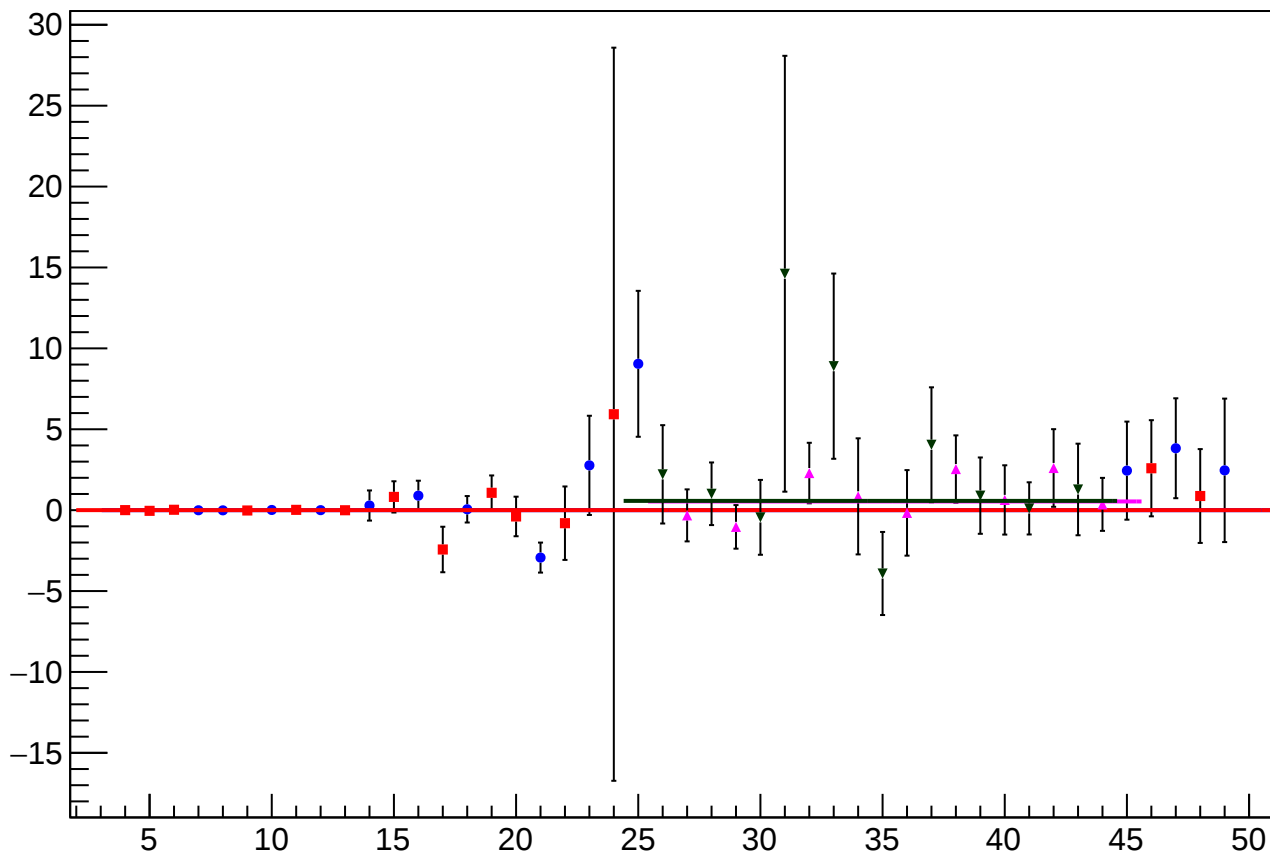
Right Out: 22.597+/-0.011 χ^2/NDF : 1741636.4/13

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

22.494+/-0.010 χ^2/NDF : 3968580.8/22

22.952+/-0.011 χ^2/NDF : 3420333.5/22

diff_cav4bY_mean vs slug



Right In: -0.001 ± 0.006 χ^2/NDF : 20.7/12

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

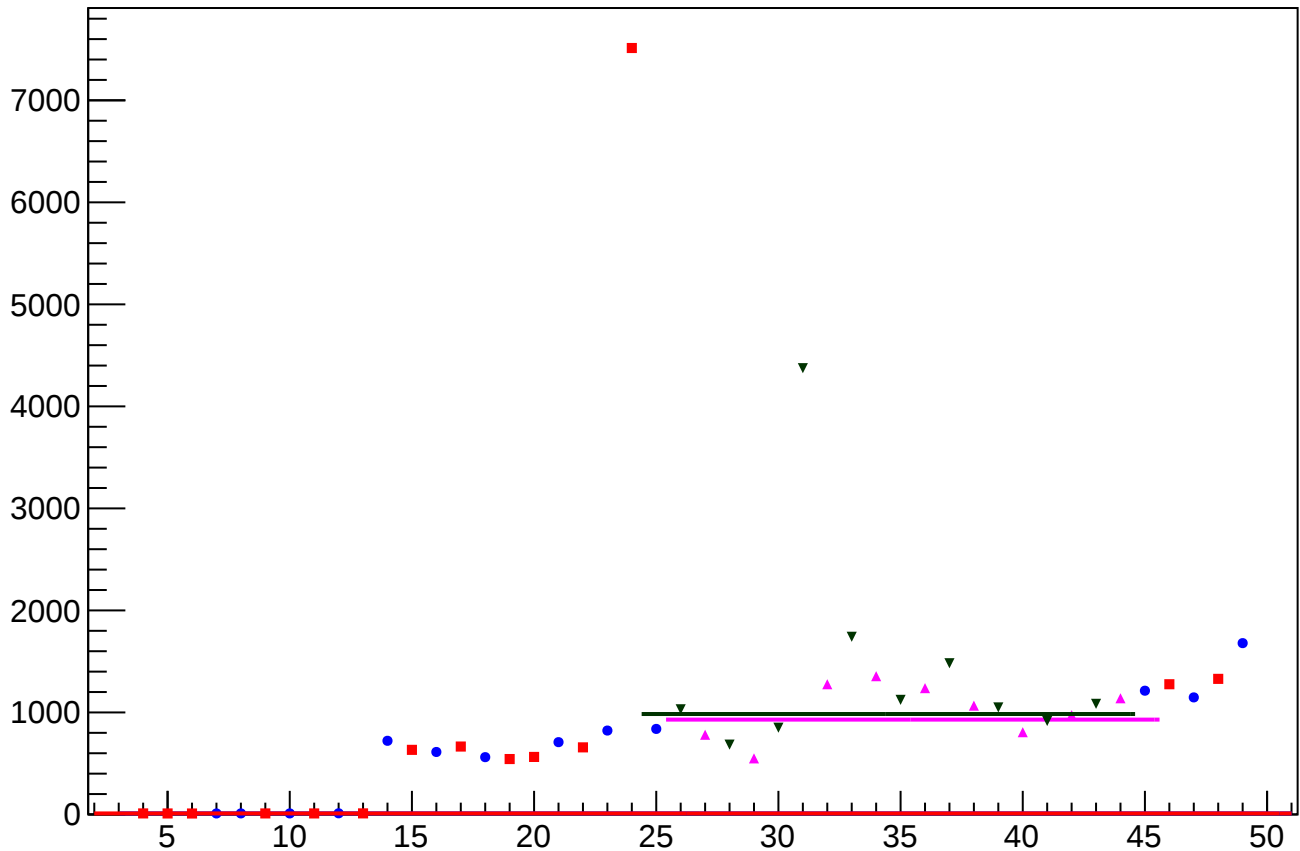
Right Out: 0.002 ± 0.005 χ^2/NDF : 17.8/13

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

-0.001 ± 0.006 χ^2/NDF : 29.1/22

0.002 ± 0.005 χ^2/NDF : 22.8/22

diff_cav4bY_rms vs slug



Right In: 10.504 $\pm$ 0.005 χ^2 /NDF: 5147223.5/12

Left Out: 984.552 $\pm$ 0.574 χ^2 /NDF: 269608.6/9

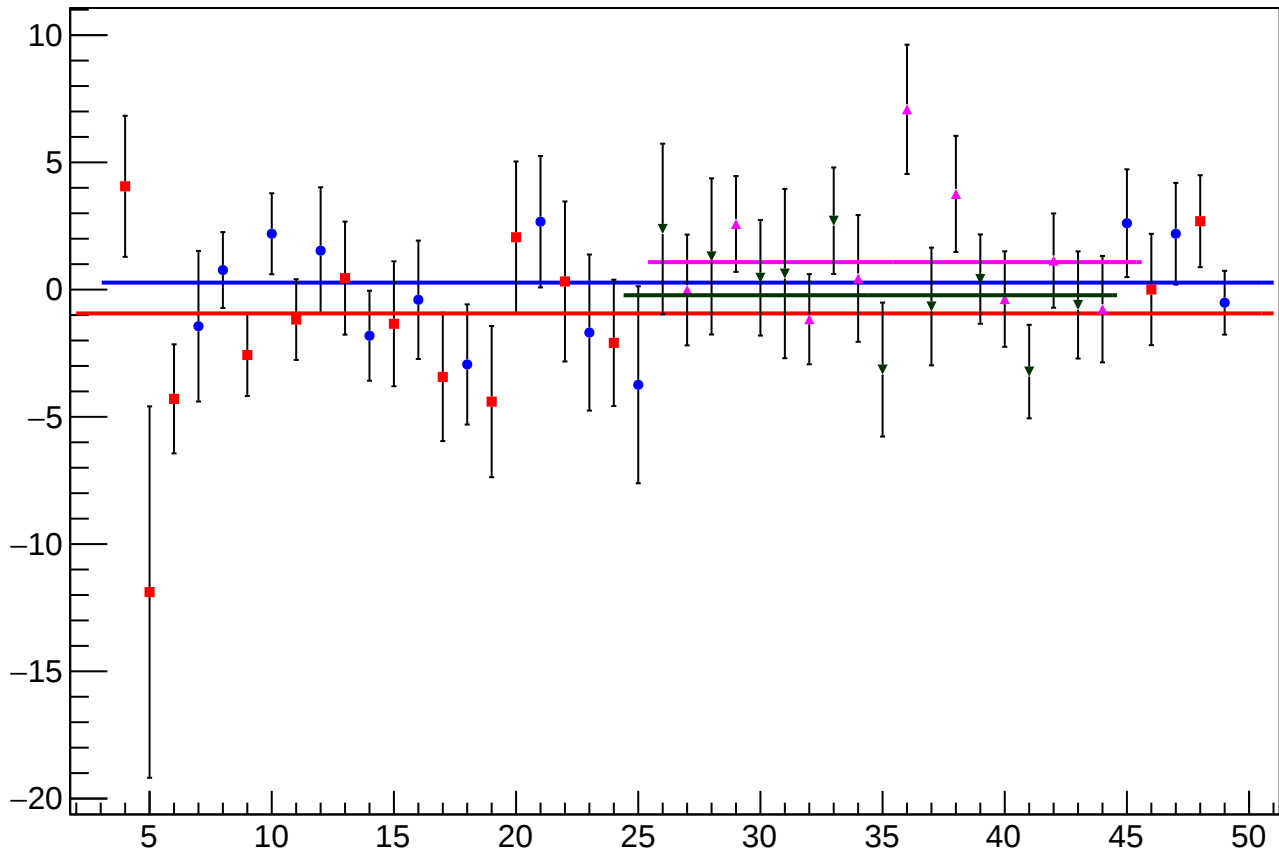
Right Out: 10.083 $\pm$ 0.004 χ^2 /NDF: 3340185.0/13

Left In: 929.625 $\pm$ 0.453 χ^2 /NDF: 348934.3/8

10.566 $\pm$ 0.005 χ^2 /NDF: 8297359.9/22

10.150 $\pm$ 0.004 χ^2 /NDF: 7815344.6/22

diff_cav4cX_mean vs slug



Right In: 0.275 ± 0.556 $\chi^2/\text{NDF}: 10.4/12$

Left Out: -0.221 ± 0.728 $\chi^2/\text{NDF}: 7.1/9$

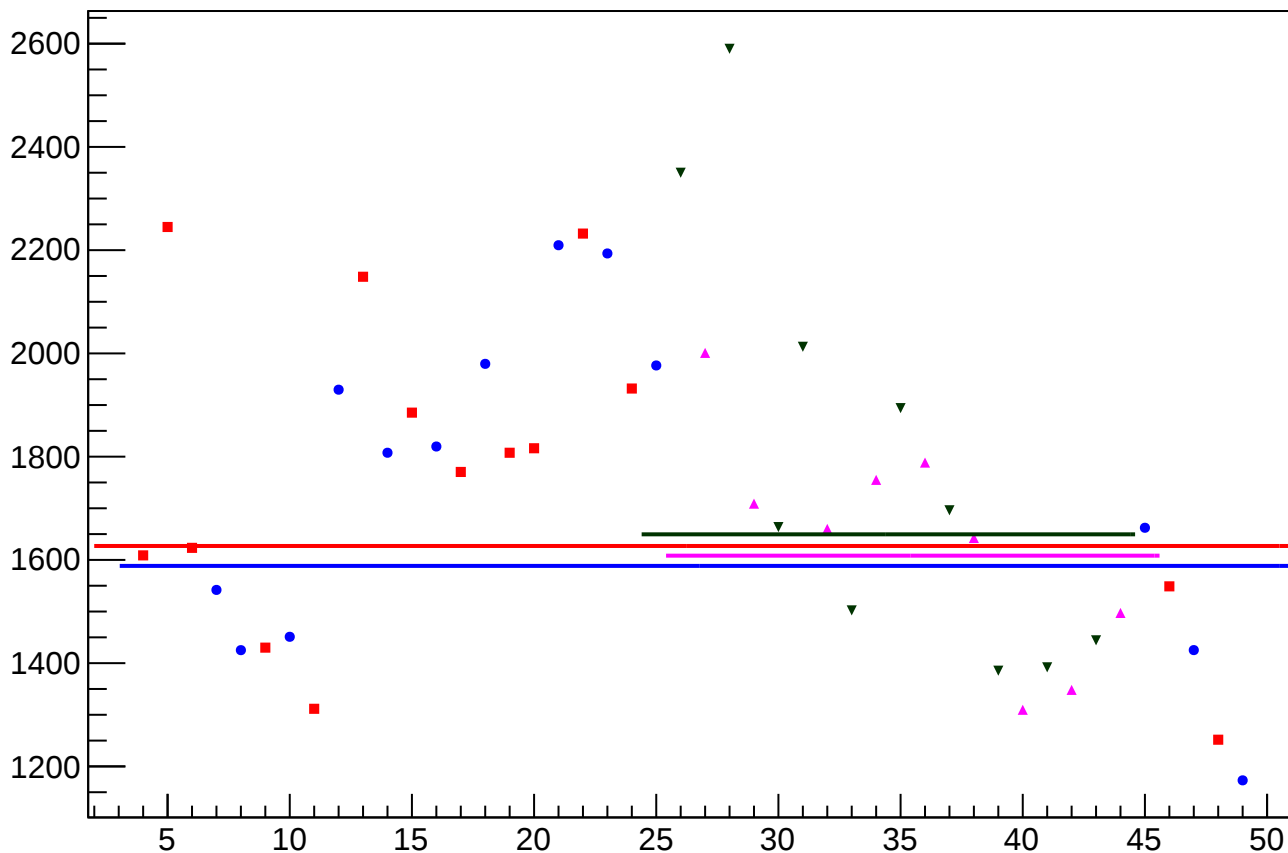
Right Out: -0.935 ± 0.611 $\chi^2/\text{NDF}: 17.4/13$

Left In: 1.080 ± 0.686 $\chi^2/\text{NDF}: 10.9/8$

0.092 ± 0.442 $\chi^2/\text{NDF}: 17.7/22$

-0.044 ± 0.456 $\chi^2/\text{NDF}: 33.1/22$

diff_cav4cX_rms vs slug



Right In: 1588.400+/-0.393 χ^2/NDF : 631333.8/12

Left Out: 1649.544+/-0.515 χ^2/NDF : 430962.0/9

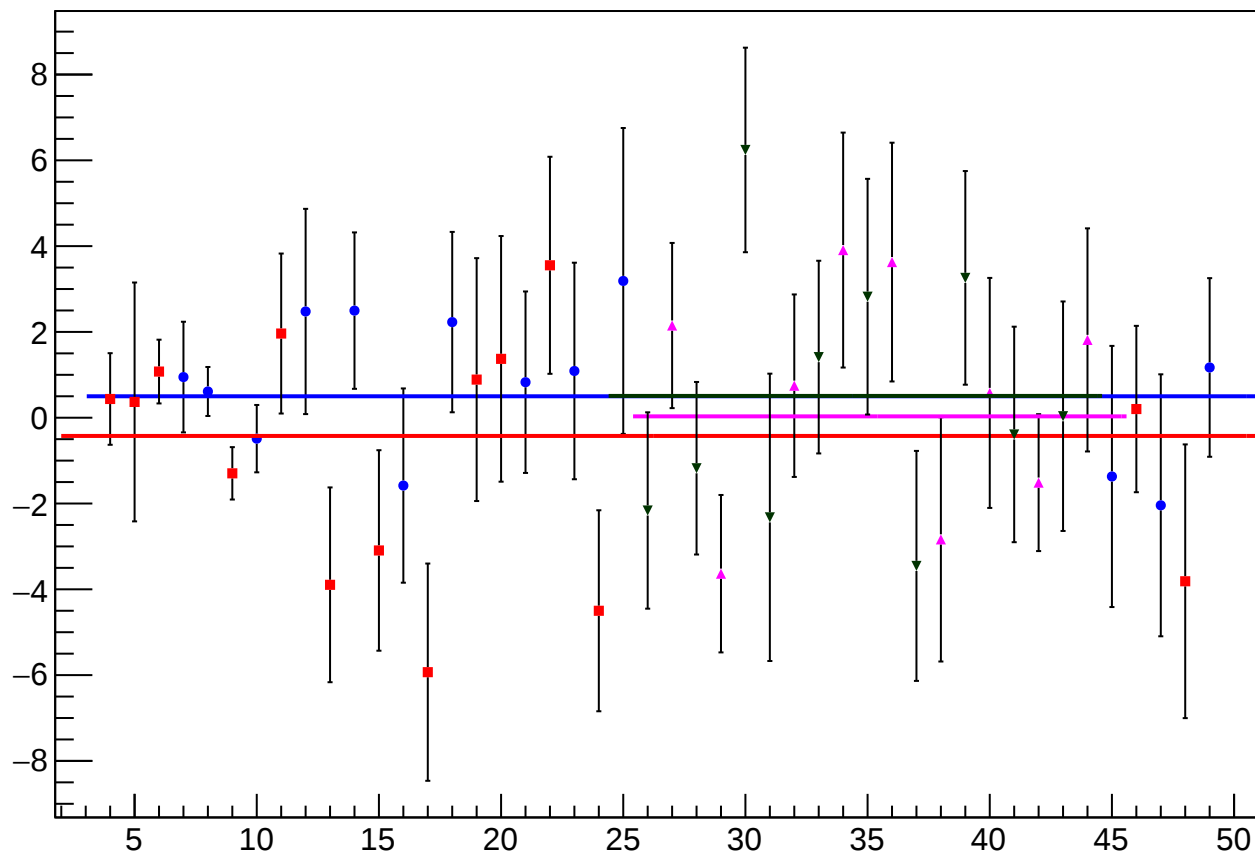
Right Out: 1626.992+/-0.432 χ^2/NDF : 470724.3/13

Left In: 1608.232+/-0.485 χ^2/NDF : 185602.9/8

1610.906+/-0.312 χ^2/NDF : 1071203.8/22

1618.698+/-0.323 χ^2/NDF : 657161.0/22

diff_cav4cY_mean vs slug



Right In: 0.500 ± 0.376 $\chi^2/\text{NDF}: 7.0/12$

Left Out: 0.508 ± 0.783 $\chi^2/\text{NDF}: 13.0/9$

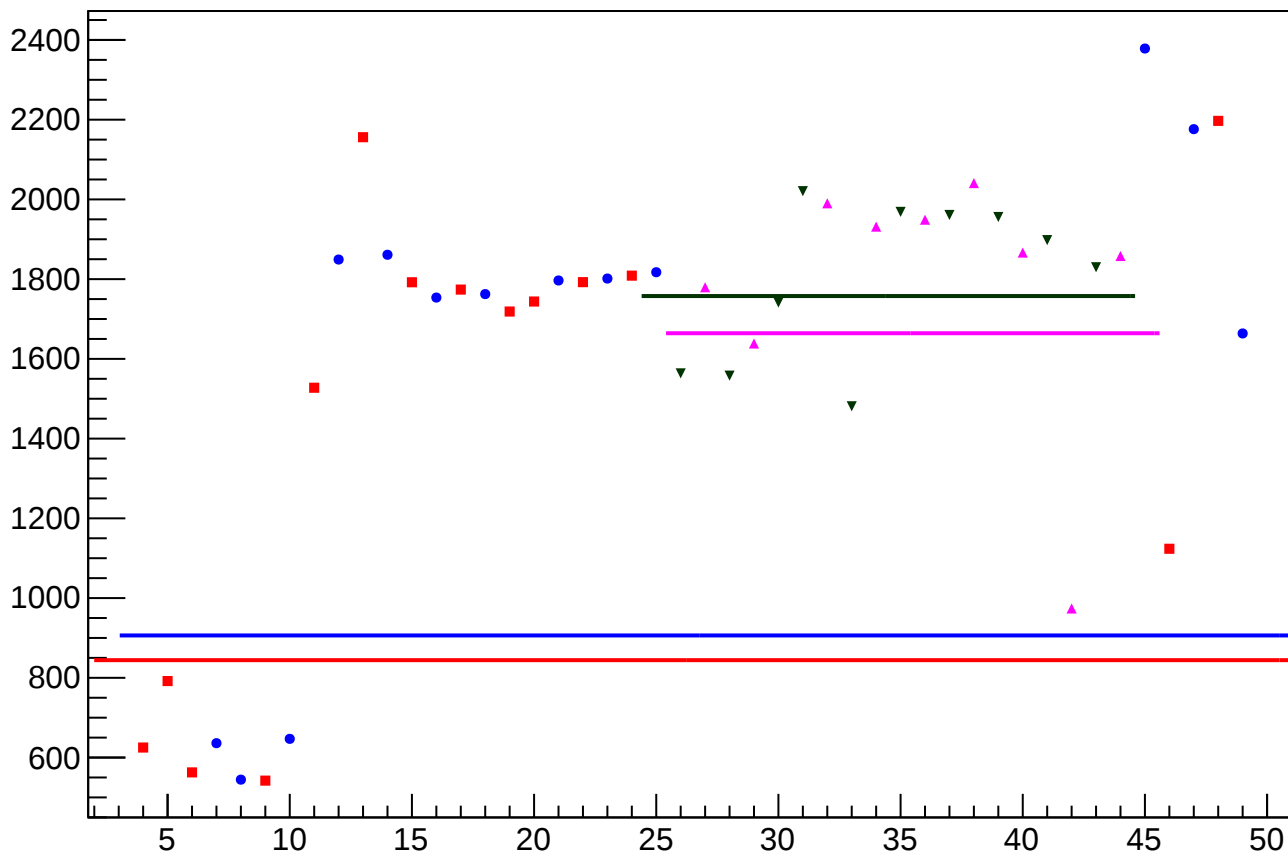
Right Out: -0.425 ± 0.371 $\chi^2/\text{NDF}: 24.2/13$

Left In: 0.032 ± 0.735 $\chi^2/\text{NDF}: 11.5/8$

0.501 ± 0.339 $\chi^2/\text{NDF}: 20.0/22$

-0.332 ± 0.331 $\chi^2/\text{NDF}: 36.0/22$

diff_cav4cY_rms vs slug



Right In: 906.268+/-0.266 χ^2/NDF : 4394735.8/12

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

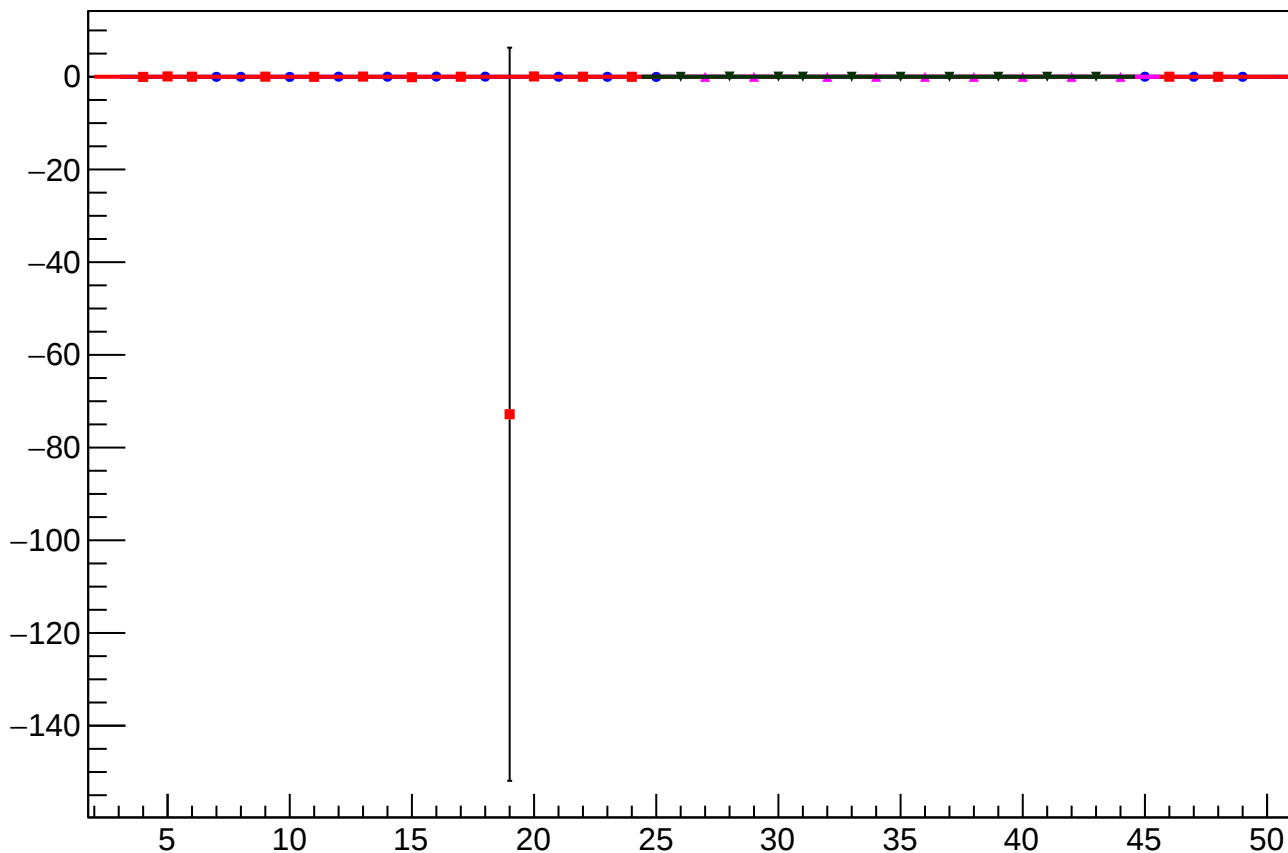
Right Out: 844.296+/-0.262 χ^2/NDF : 3805935.0/13

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

1065.595+/-0.239 χ^2/NDF : 6438968.8/22

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

diff_cav4dX_mean vs slug



Right In: 0.002 $\pm$ 0.005 χ^2 /NDF: 8.6/12

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

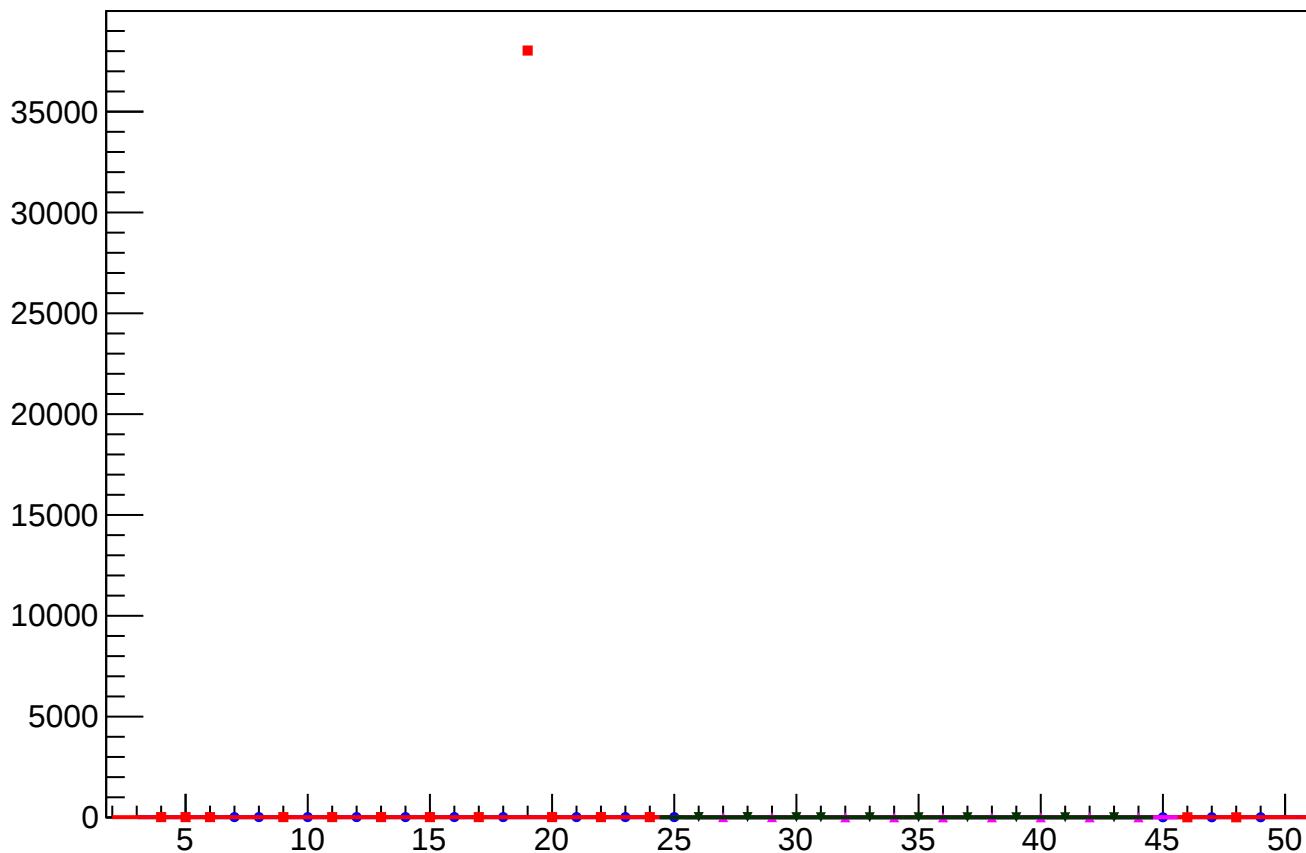
Right Out: 0.008 $\pm$ 0.006 χ^2 /NDF: 12.3/13

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

0.001 $\pm$ 0.003 χ^2 /NDF: 17.2/22

0.000 $\pm$ 0.003 χ^2 /NDF: 16.0/22

diff_cav4dX_rms vs slug



Right In: 12.149+/-0.003 χ^2 /NDF: 1517202.7/12

Left Out: 9.339+/-0.003 χ^2 /NDF:592494.4/9

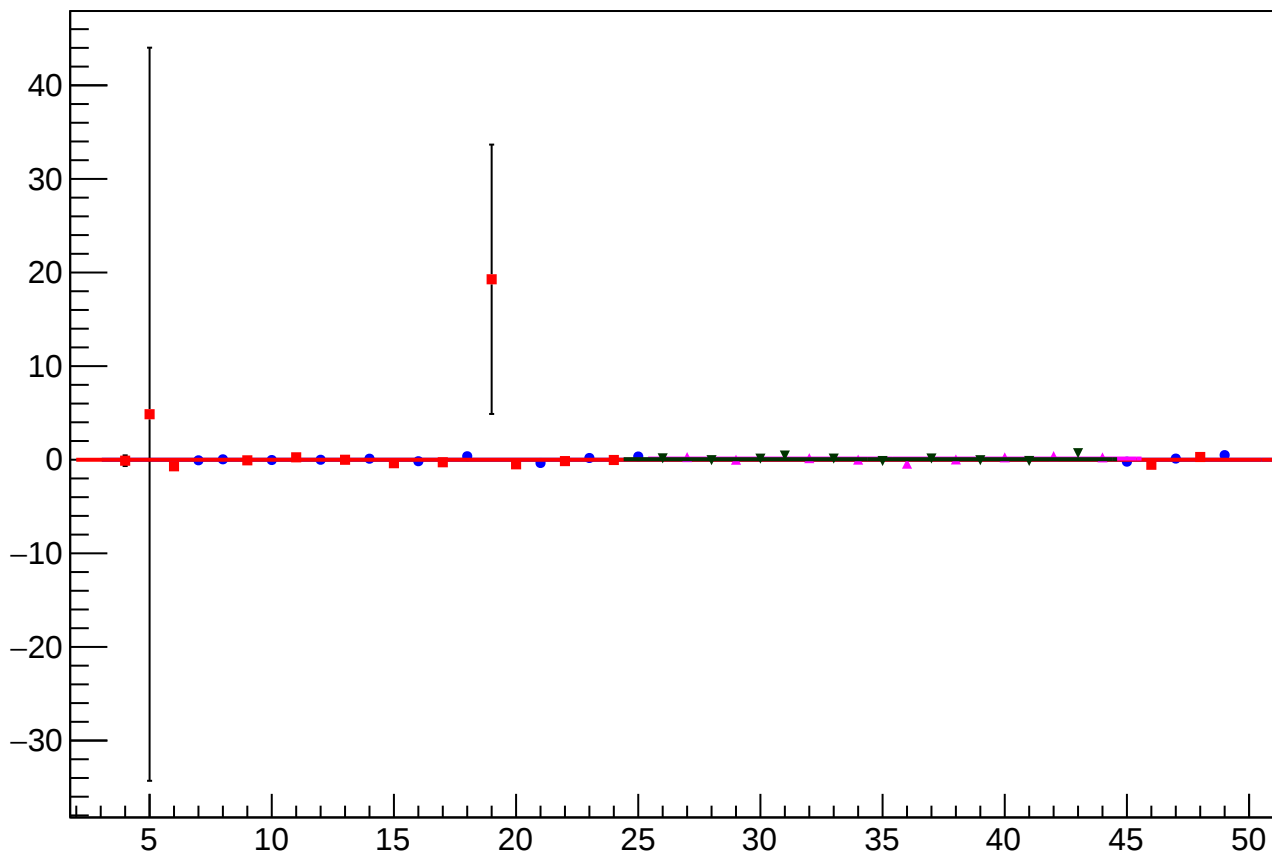
Right Out: 13.753+/-0.004 χ^2 /NDF: 1522942.2/13

Left In: 9.359+/-0.003 χ^2 /NDF:755521.7/8

10.530+/-0.002 χ^2 /NDF: 2485082.6/22

10.763+/-0.002 χ^2 /NDF: 3004552.3/22

diff_cav4dY_mean vs slug



Right In: -0.003 ± 0.003 χ^2/NDF : 18.3/12

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

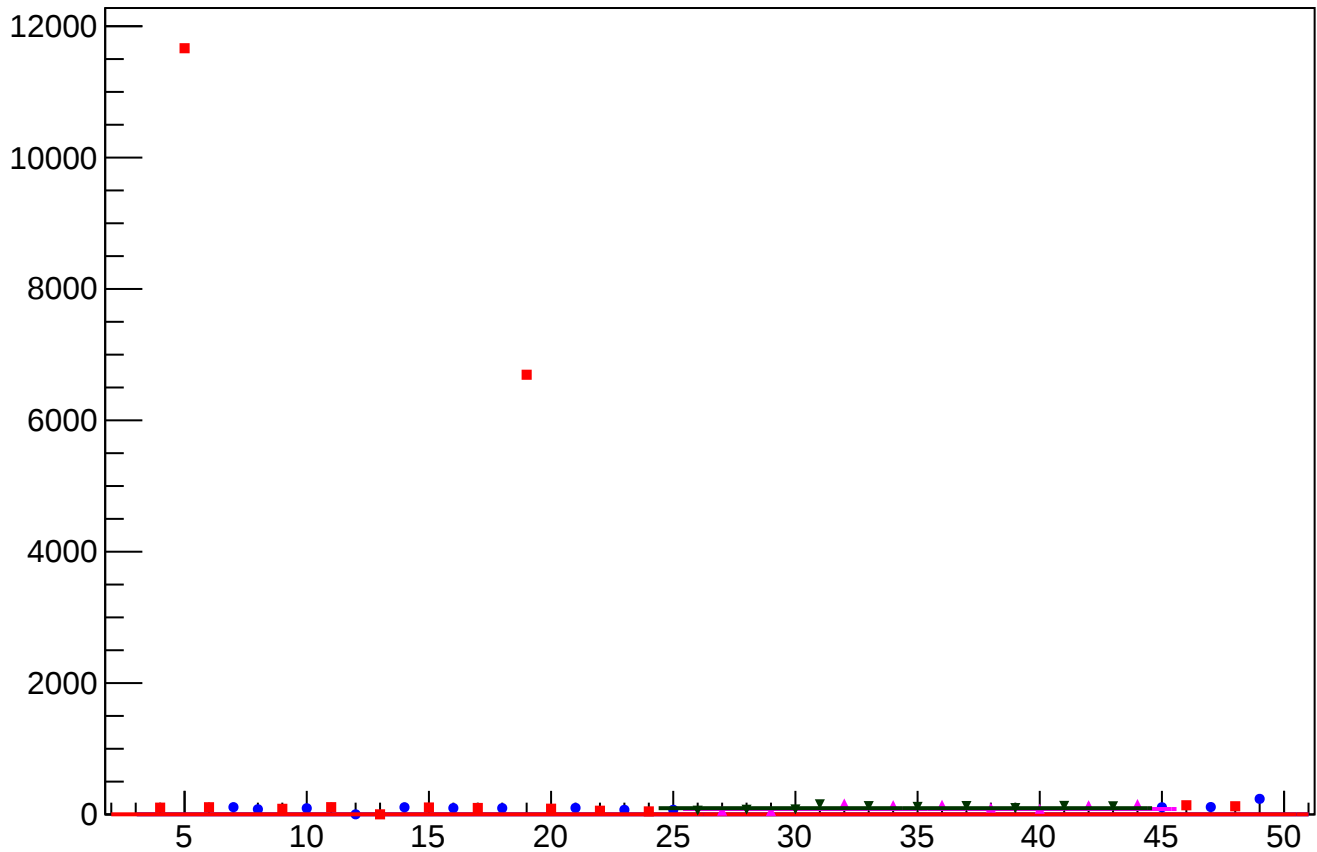
Right Out: -0.003 ± 0.003 χ^2/NDF : 16.3/13

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

-0.002 ± 0.003 χ^2/NDF : 30.8/22

-0.002 ± 0.003 χ^2/NDF : 31.9/22

diff_cav4dY_rms vs slug



Right In: 2.204 $\pm$ 0.002 χ^2 /NDF: 7855585.1/12

Left Out: 95.280 $\pm$ 0.041 χ^2 /NDF: 442454.1/9

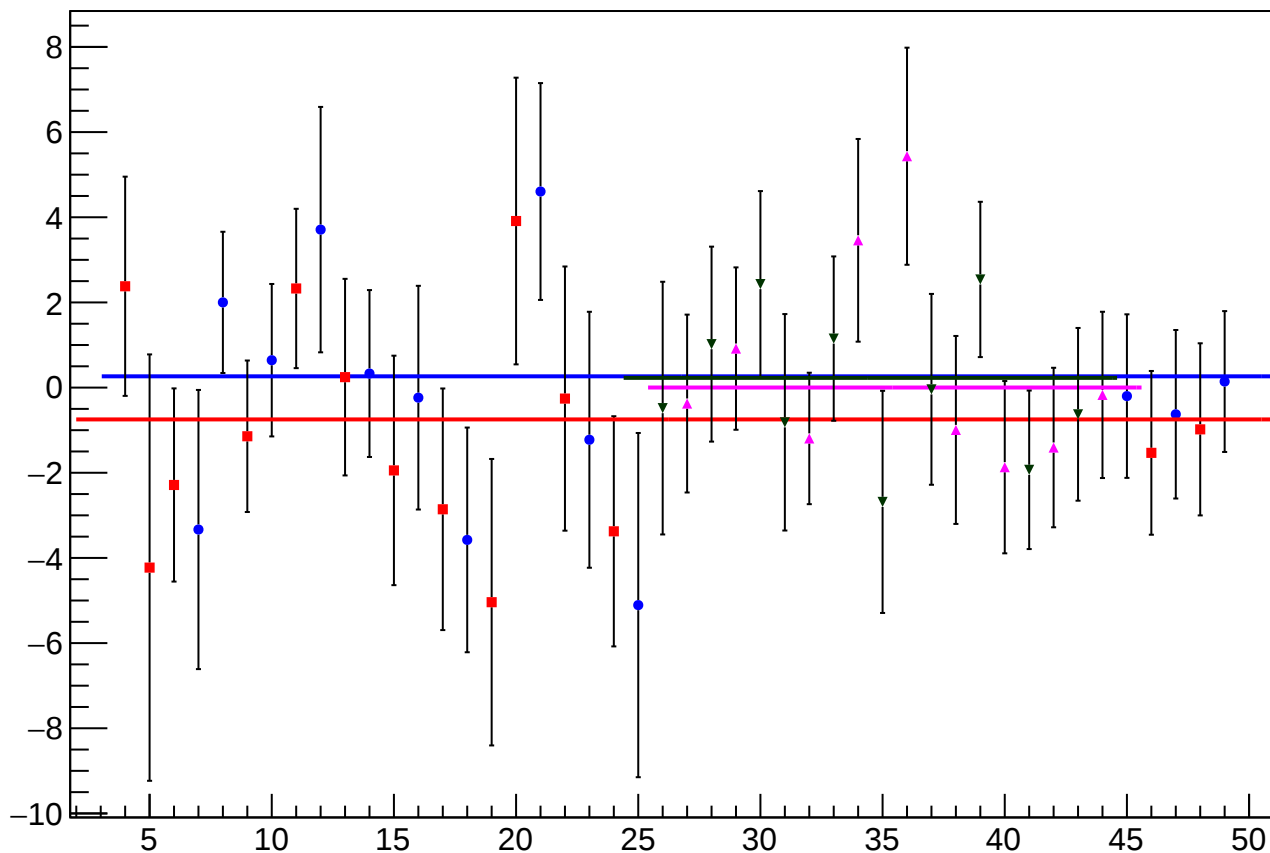
2.465 $\pm$ 0.002 χ^2 /NDF: 13434014.4/22

Right Out: 2.087 $\pm$ 0.002 χ^2 /NDF: 5086959.7/13

2.346 $\pm$ 0.002 χ^2 /NDF: 10750915.3/22

Left In: 82.887 $\pm$ 0.038 χ^2 /NDF: 1078939.0/8

diff_bpm4aX_mean vs slug



Right In: 0.265 ± 0.614 χ^2/NDF : 11.1/12

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

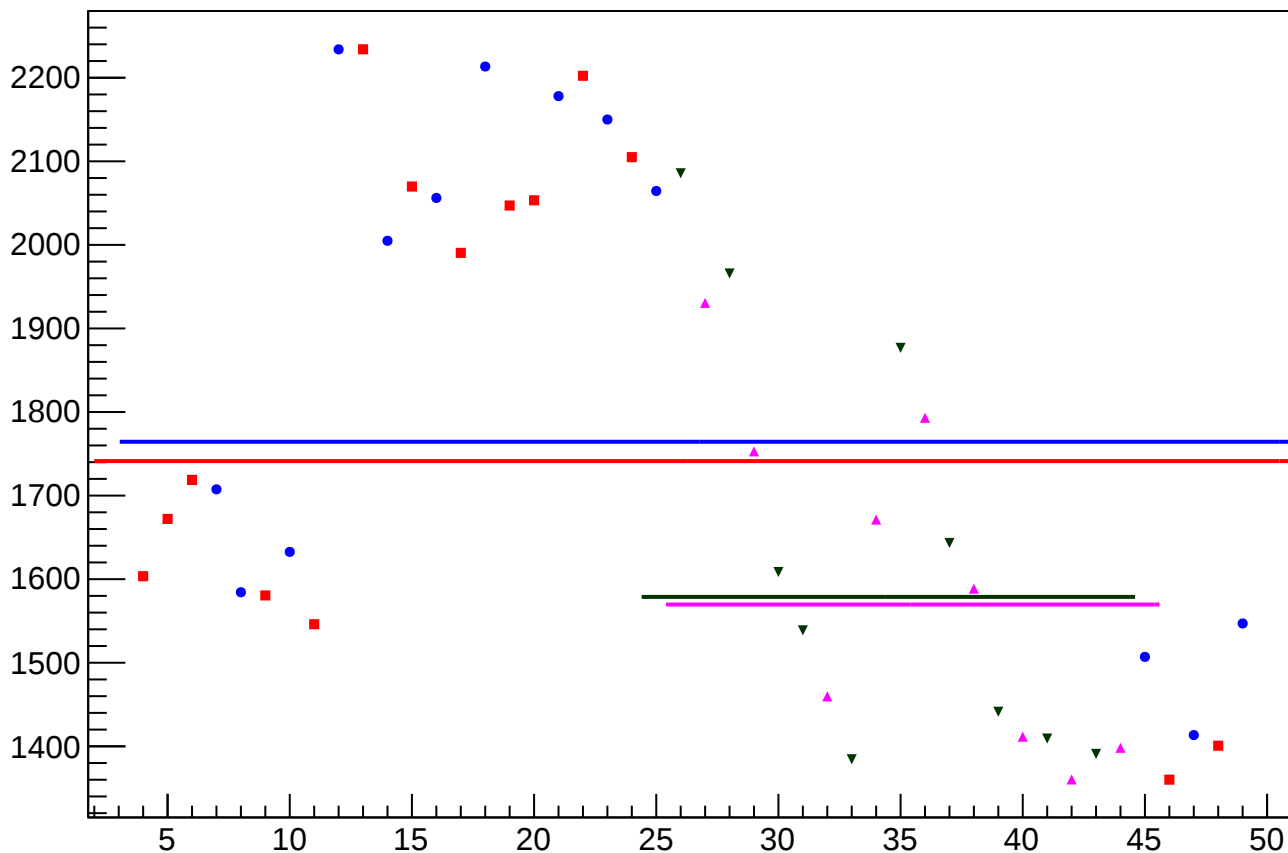
Right Out: -0.747 ± 0.650 χ^2/NDF : 10.8/13

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

0.249 ± 0.458 χ^2/NDF : 17.1/22

-0.382 ± 0.465 χ^2/NDF : 20.6/22

diff_bpm4aX_rms vs slug



Right In: 1764.419+/-0.434 χ^2/NDF : 430981.7/12

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

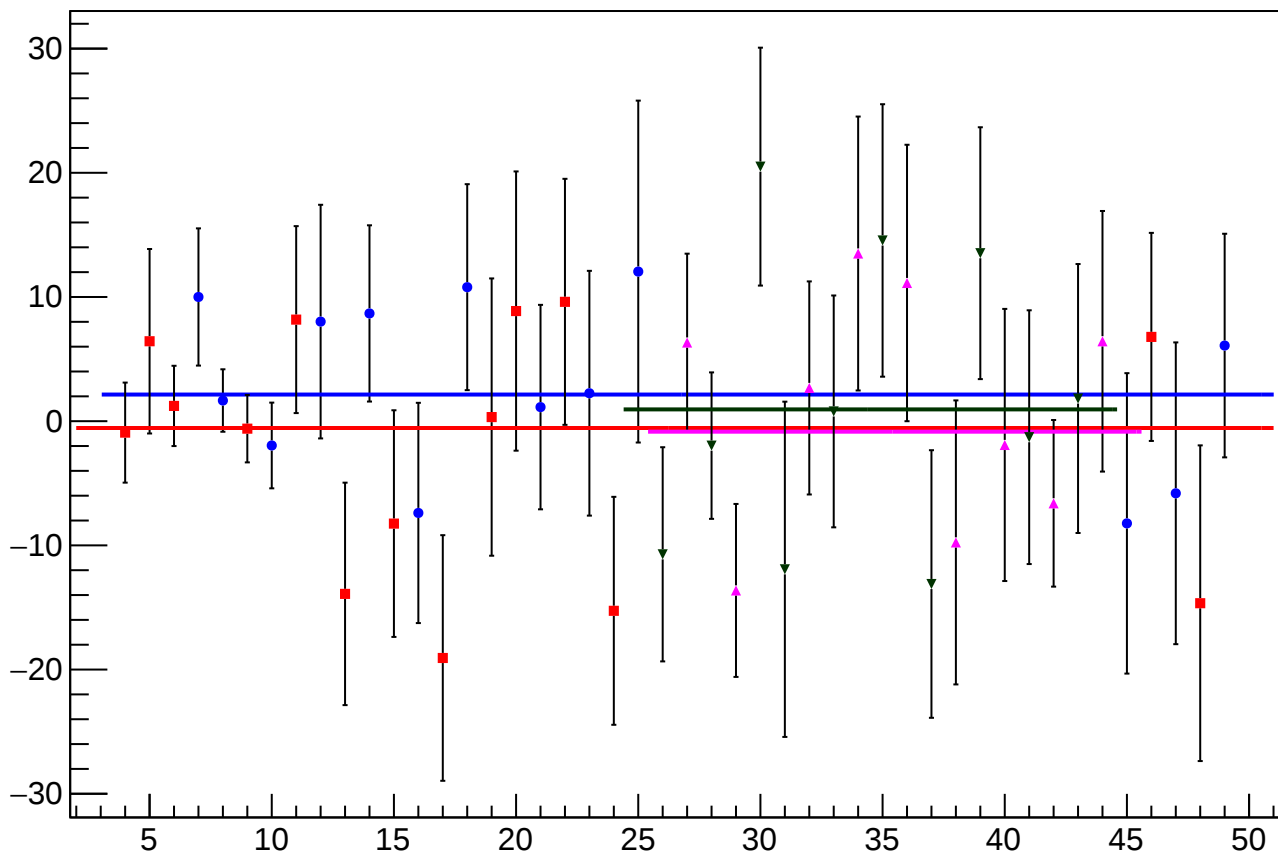
Right Out: 1741.296+/-0.459 χ^2/NDF : 430283.0/13

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

1682.114+/-0.324 χ^2/NDF : 721711.3/22

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

diff_bpm4aY_mean vs slug



Right In: 2.144 ± 1.602 χ^2/NDF : 8.8/12

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

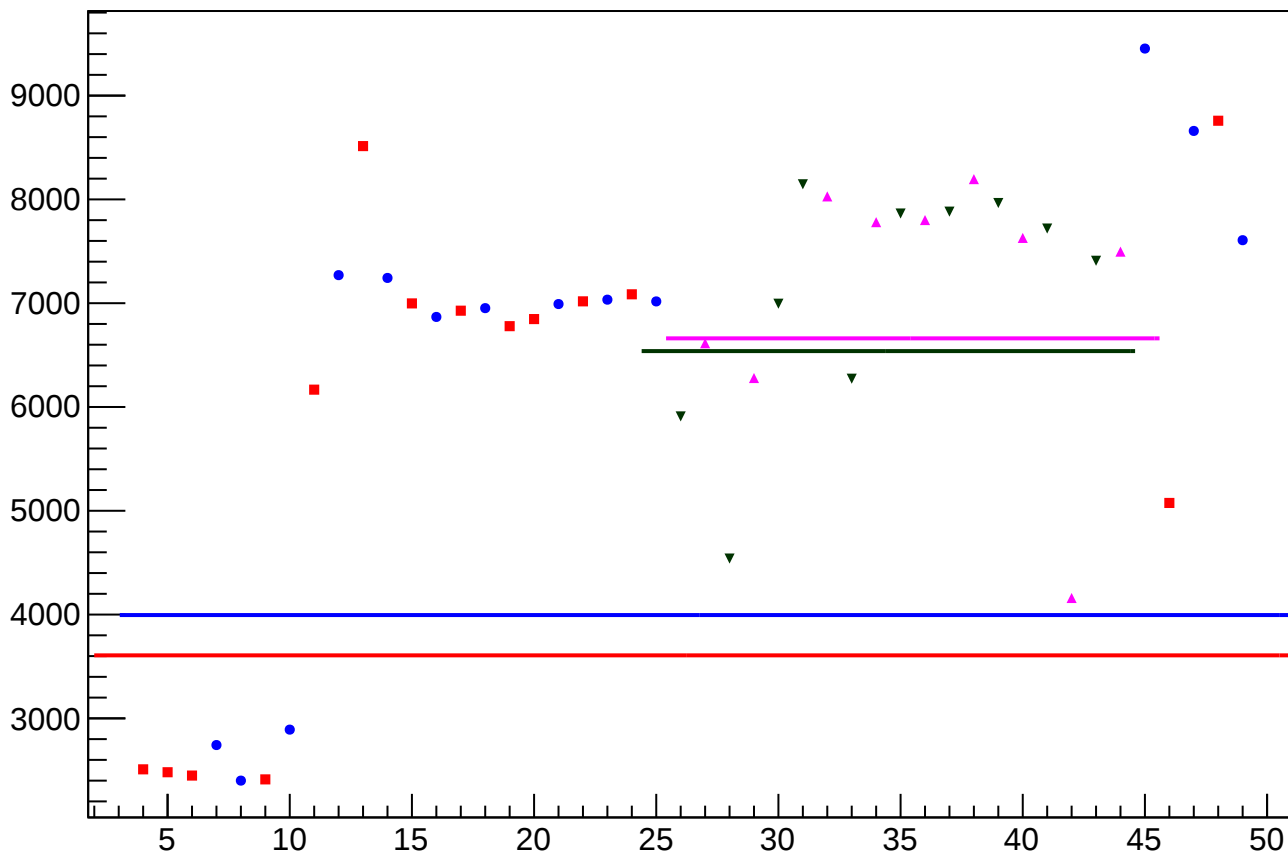
Right Out: -0.549 ± 1.540 χ^2/NDF : 15.3/13

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

1.872 ± 1.408 χ^2/NDF : 21.0/22

-0.614 ± 1.362 χ^2/NDF : 24.6/22

diff_bpm4aY_rms vs slug



Right In: 3995.334+/-1.133 χ^2/NDF : 3813242.0/12

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

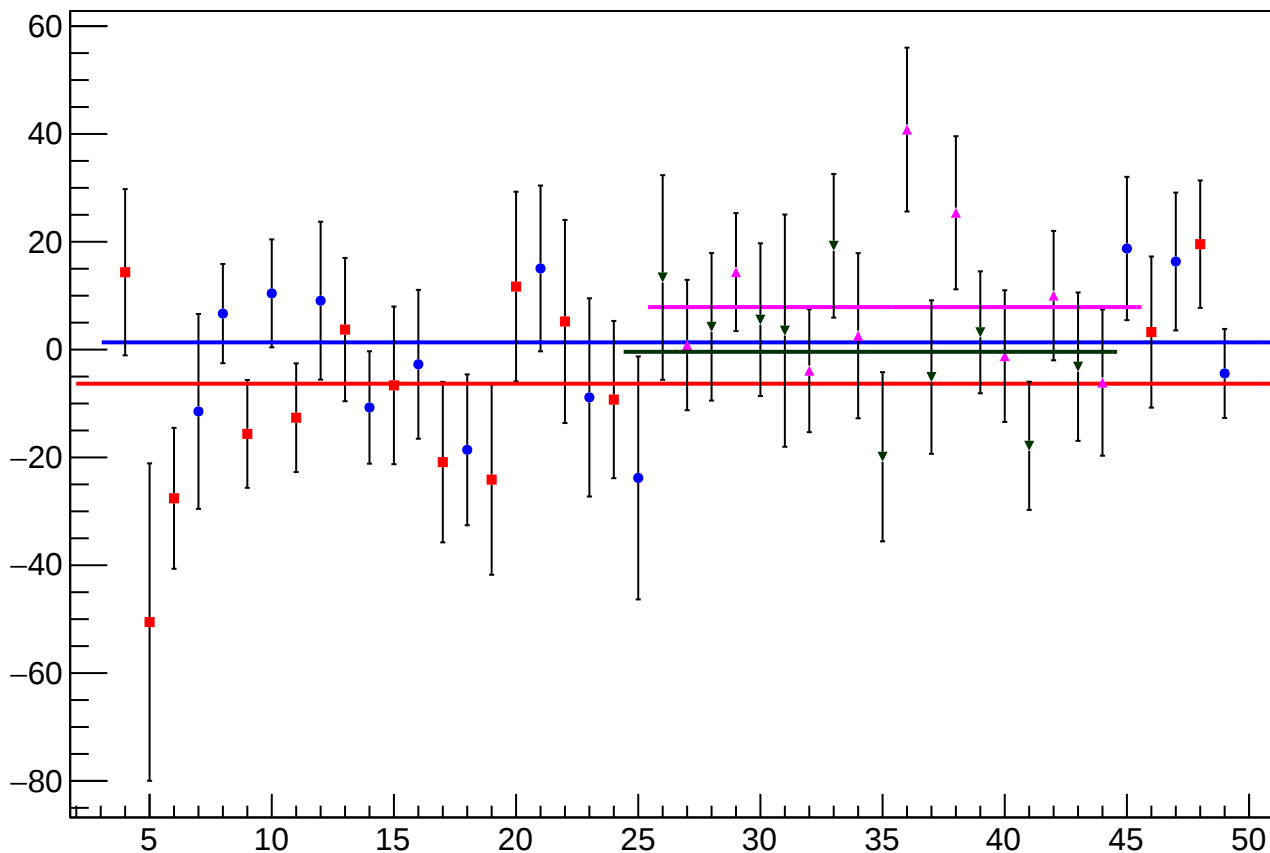
Right Out: 3607.022+/-1.089 χ^2/NDF : 3413957.3/13

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

4574.310+/-0.996 χ^2/NDF : 5374964.4/22

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

diff_bpm4eX_mean vs slug



Right In: 1.345 ± 3.436 $\chi^2/\text{NDF}: 11.3/12$

Left Out: -0.408 ± 4.470 $\chi^2/\text{NDF}: 7.0/9$

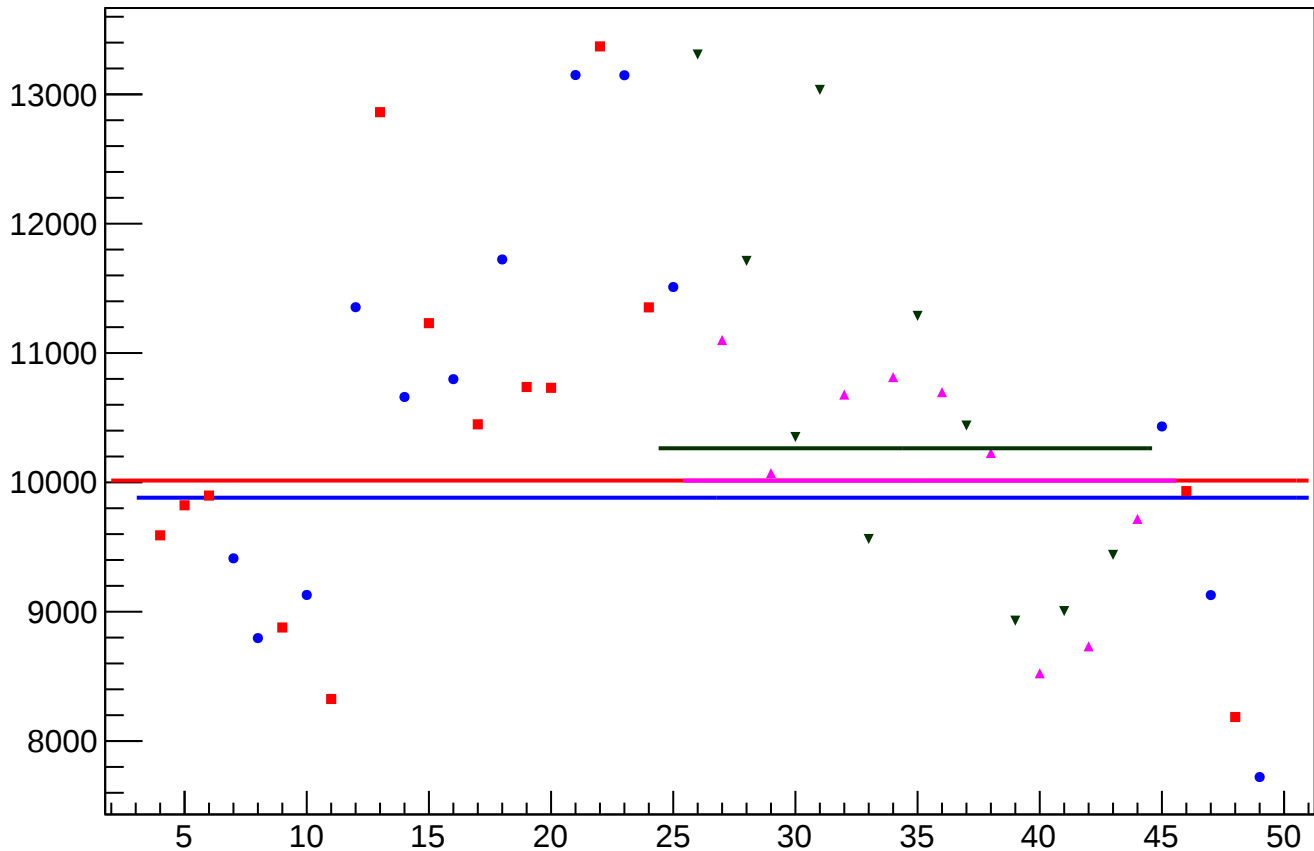
Right Out: -6.324 ± 3.724 $\chi^2/\text{NDF}: 17.2/13$

Left In: 7.884 ± 4.244 $\chi^2/\text{NDF}: 9.7/8$

0.694 ± 2.724 $\chi^2/\text{NDF}: 18.4/22$

-0.144 ± 2.799 $\chi^2/\text{NDF}: 33.3/22$

diff_bpm4eX_rms vs slug



Right In: 9881.462 $\pm$ 2.430 χ^2 /NDF: 426639.1/12

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

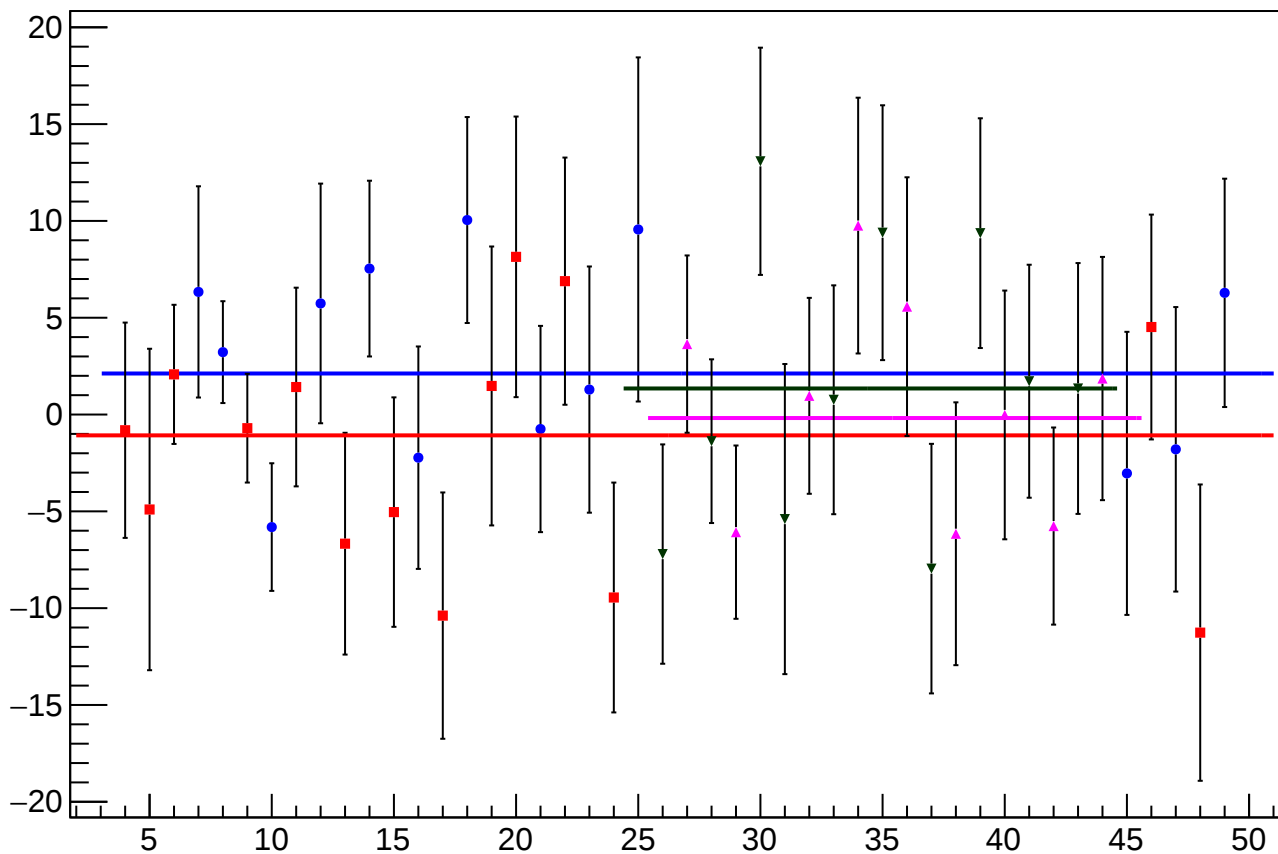
10023.443 $\pm$ 1.926 χ^2 /NDF: 614627.3/22

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

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

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

diff_bpm4eY_mean vs slug



Right In: 2.120 ± 1.349 $\chi^2/\text{NDF}: 13.4/12$

Left Out: 1.346 ± 1.865 $\chi^2/\text{NDF}: 12.8/9$

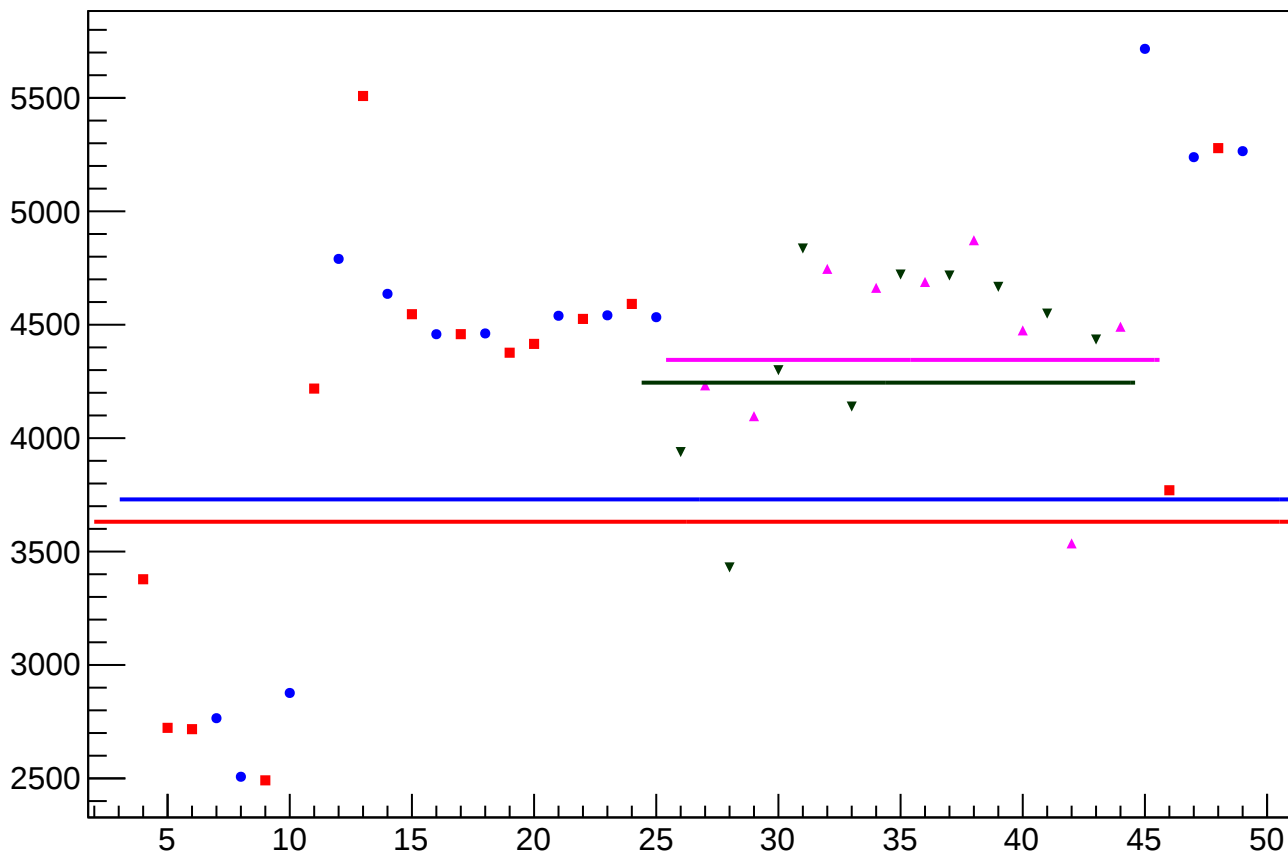
Right Out: -1.076 ± 1.399 $\chi^2/\text{NDF}: 12.8/13$

Left In: -0.180 ± 1.851 $\chi^2/\text{NDF}: 7.6/8$

1.854 ± 1.093 $\chi^2/\text{NDF}: 26.3/22$

-0.750 ± 1.116 $\chi^2/\text{NDF}: 20.5/22$

diff_bpm4eY_rms vs slug



Right In: 3729.923+/-0.954 χ^2/NDF : 1299865.9/12

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

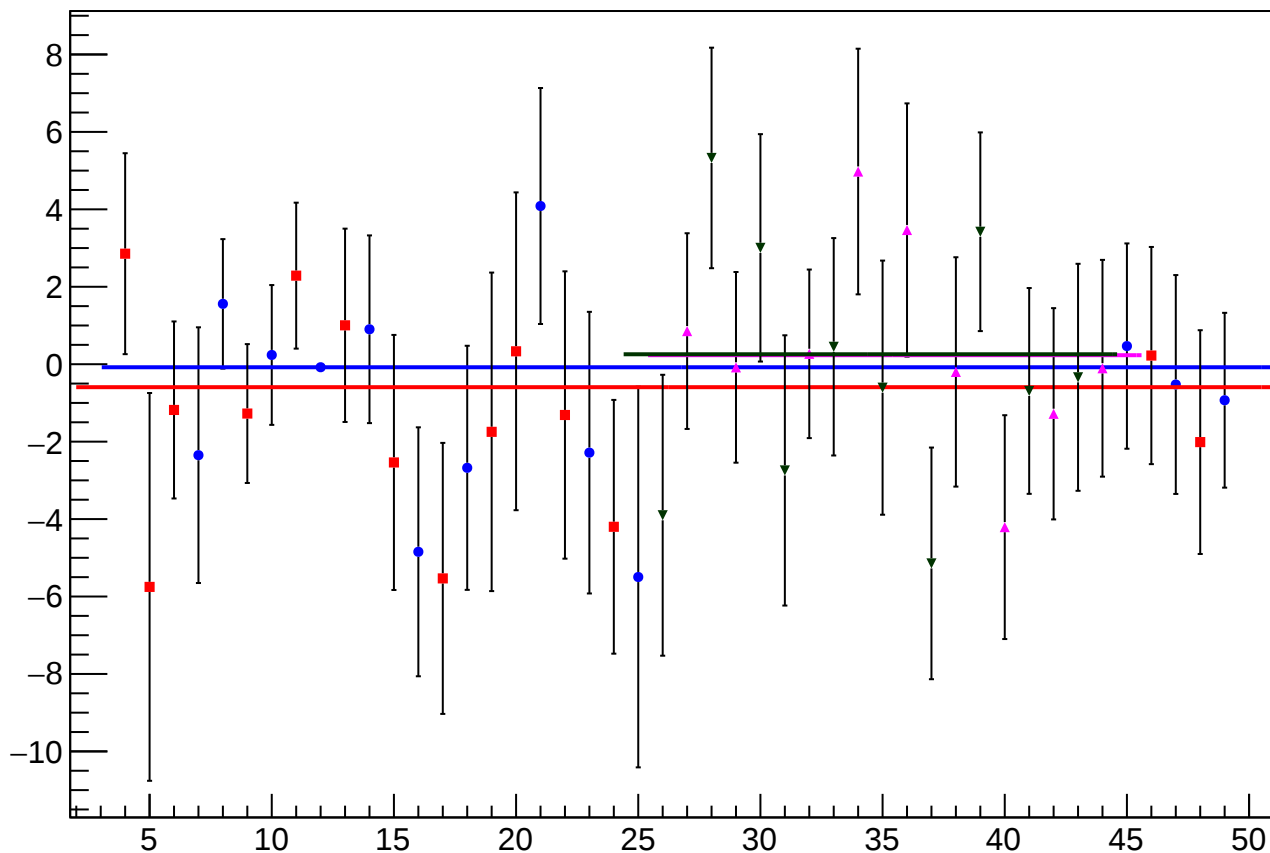
3906.763+/-0.773 χ^2/NDF : 1529851.9/22

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

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

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

diff_bpm4acX_mean vs slug



Right In: -0.079 ± 0.060 $\chi^2/\text{NDF}: 8.2/12$

Left Out: 0.257 ± 0.937 $\chi^2/\text{NDF}: 11.1/9$

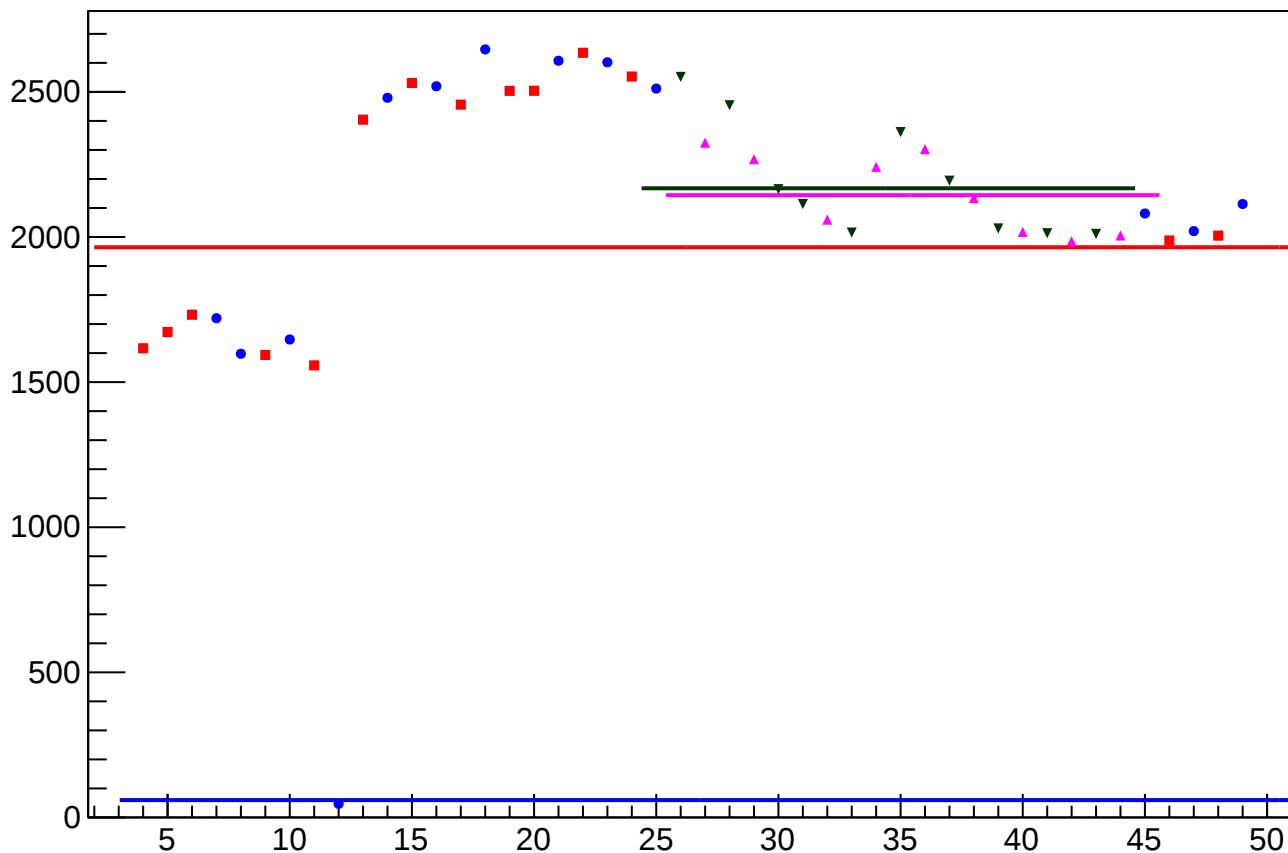
Right Out: -0.593 ± 0.738 $\chi^2/\text{NDF}: 9.8/13$

Left In: 0.233 ± 0.905 $\chi^2/\text{NDF}: 6.0/8$

-0.077 ± 0.060 $\chi^2/\text{NDF}: 19.4/22$

-0.264 ± 0.572 $\chi^2/\text{NDF}: 16.3/22$

diff_bpm4acX_rms vs slug



Right In: 59.816+/-0.043 χ^2/NDF : 14999916.2/12

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

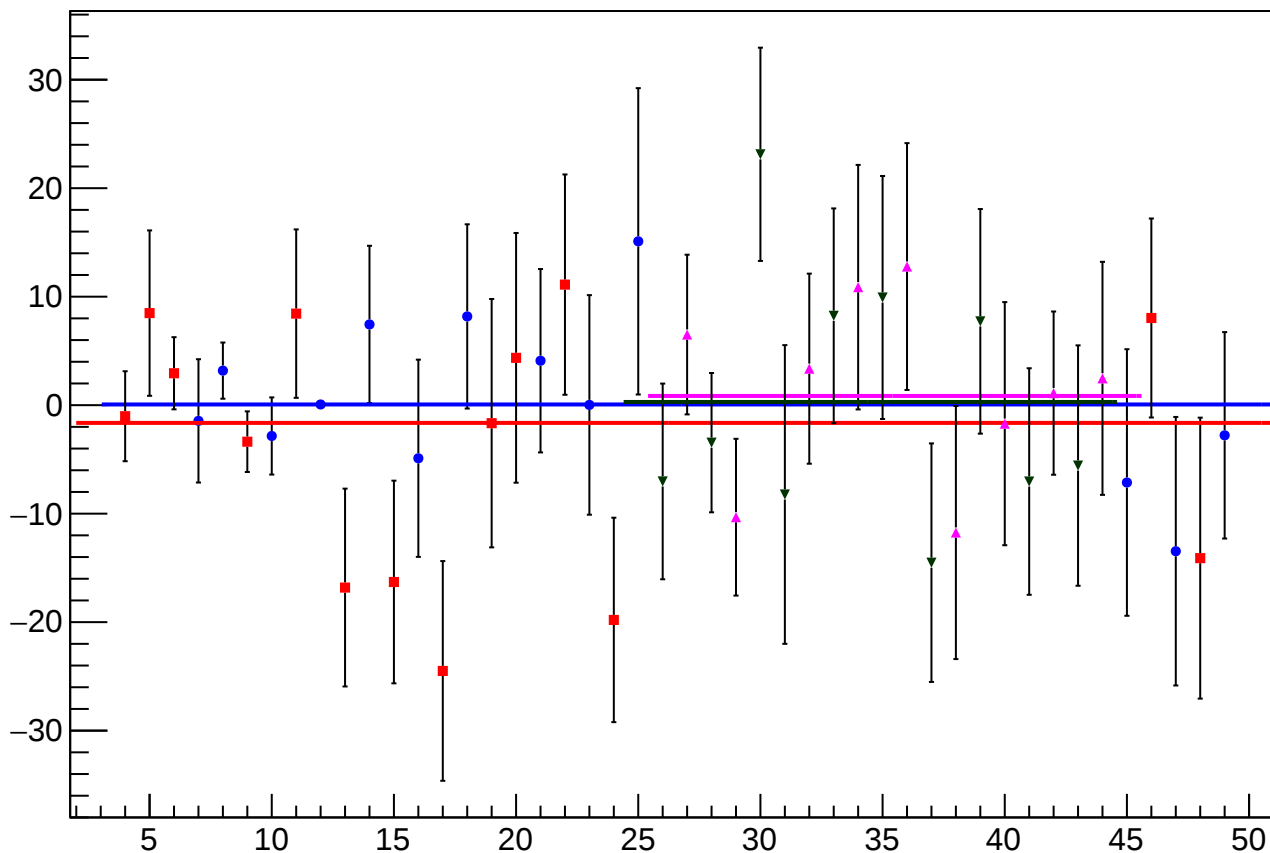
Right Out: 1964.736+/-0.522 χ^2/NDF : 601991.0/13

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

68.456+/-0.042 χ^2/NDF : 25152903.5/22

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

diff_bpm4acY_mean vs slug



Right In: 0.065 ± 0.052 $\chi^2/\text{NDF}: 7.4/12$

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

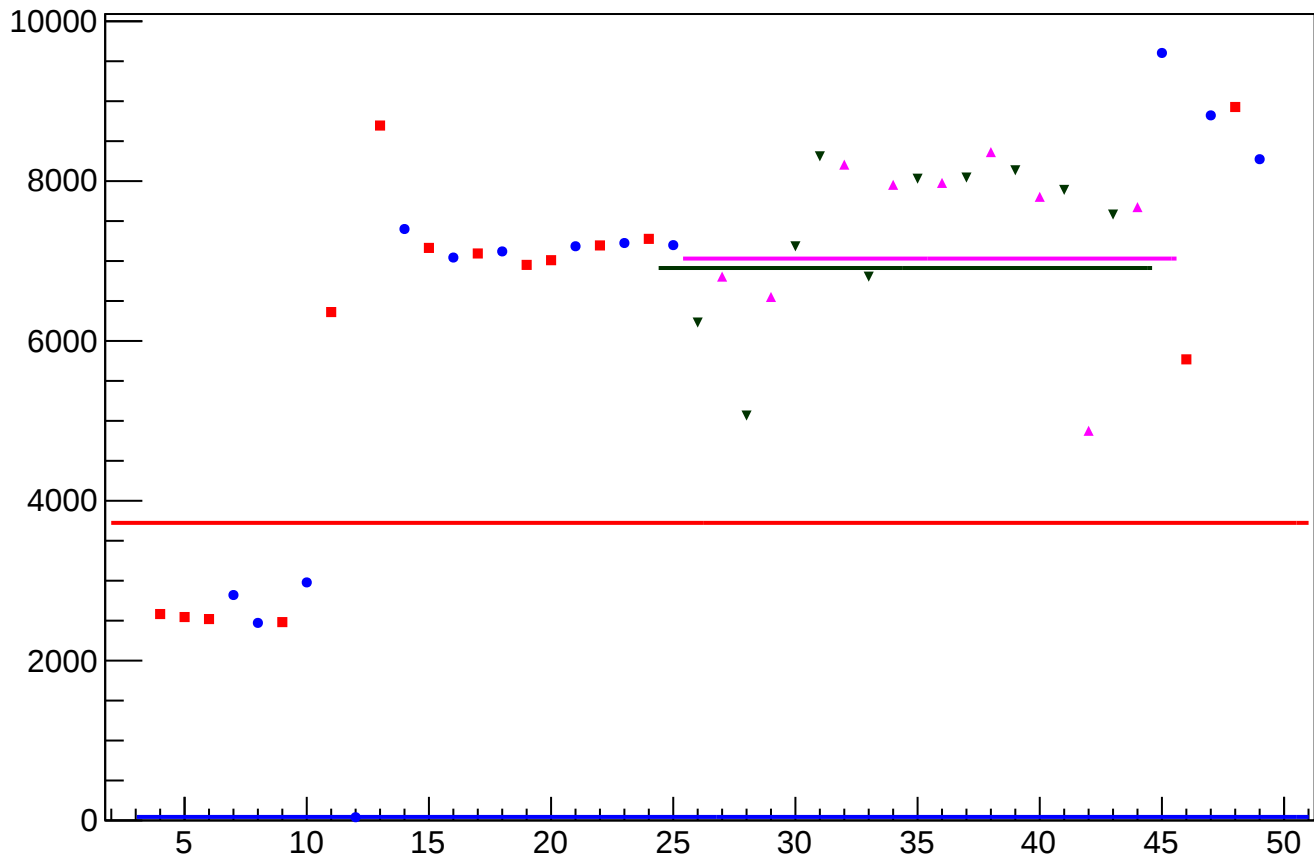
Right Out: -1.635 ± 1.586 $\chi^2/\text{NDF}: 23.7/13$

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

0.065 ± 0.052 $\chi^2/\text{NDF}: 18.7/22$

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

diff_bpm4acY_rms vs slug



Right In: 44.206+/-0.037 χ^2/NDF : 14904440.6/12

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

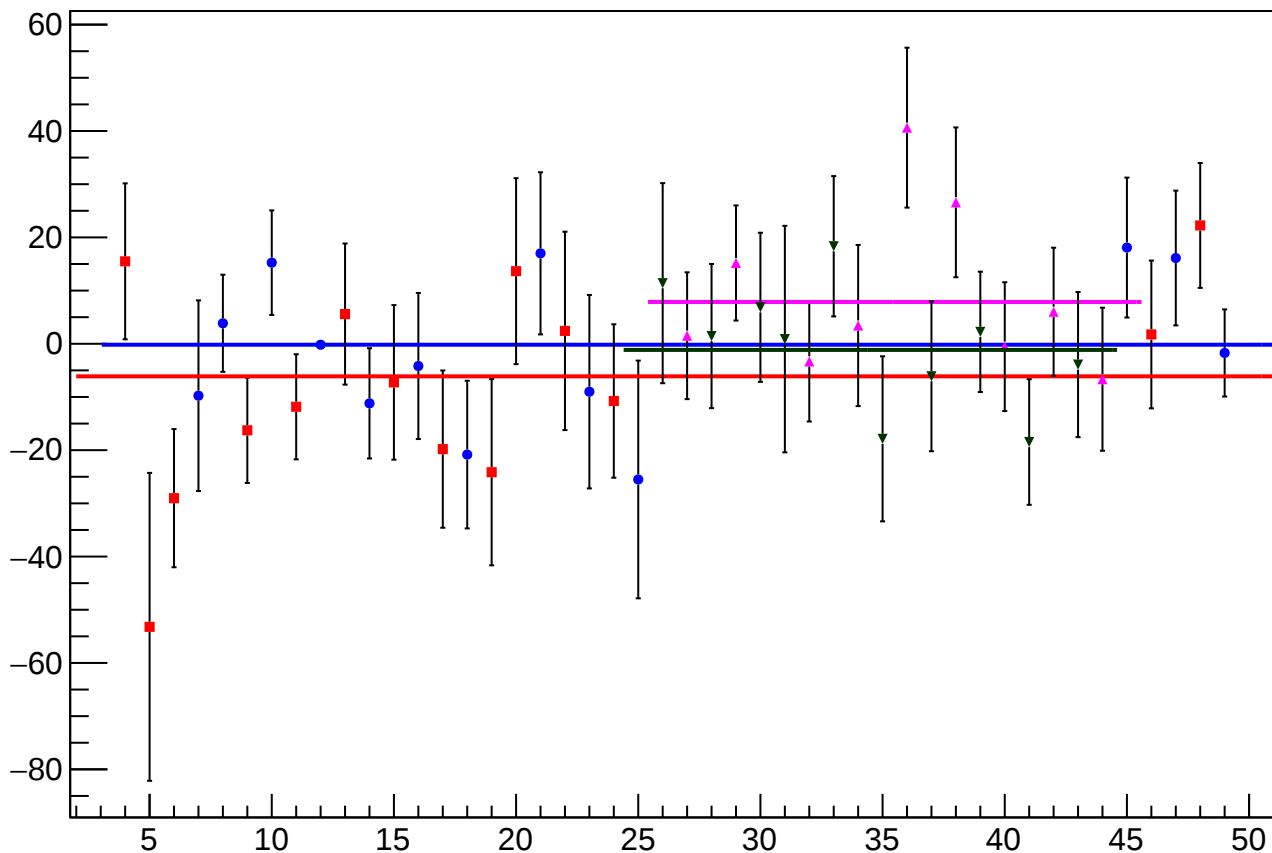
Right Out: 3723.635+/-1.121 χ^2/NDF : 3437489.6/13

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

46.168+/-0.037 χ^2/NDF : 25129087.1/22

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

diff_bpm4ecX_mean vs slug



Right In: -0.176 ± 0.107 χ^2/NDF : 12.8/12

Left Out: -1.154 ± 4.434 χ^2/NDF : 6.6/9

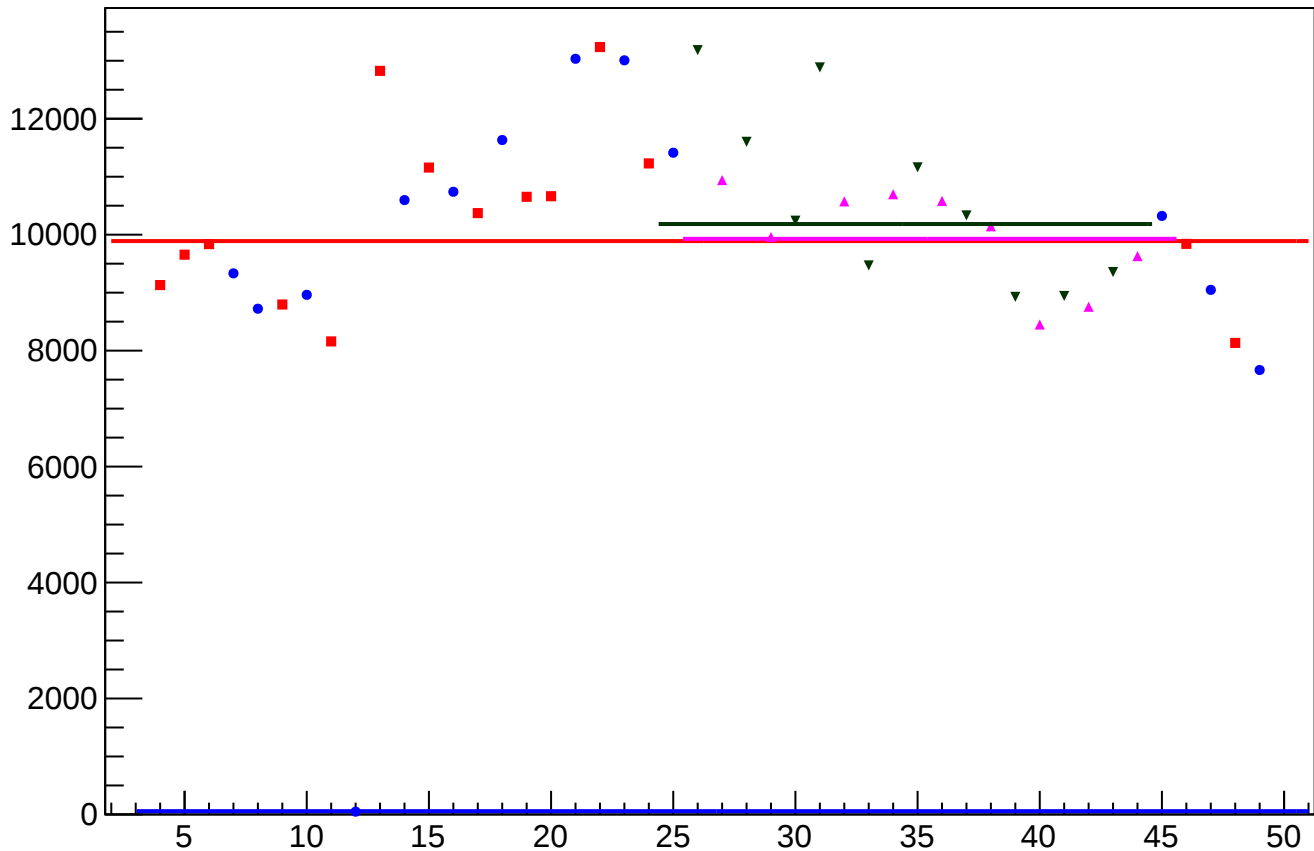
Right Out: -6.119 ± 3.679 χ^2/NDF : 19.8/13

Left In: 7.861 ± 4.207 χ^2/NDF : 10.0/8

-0.176 ± 0.106 χ^2/NDF : 19.4/22

-0.060 ± 2.770 χ^2/NDF : 36.0/22

diff_bpm4ecX_rms vs slug



Right In: 56.954+/-0.075 χ^2 /NDF: 15597176.6/12

Left Out: 10183.674+/-3.135 χ^2 /NDF:173145.0/9

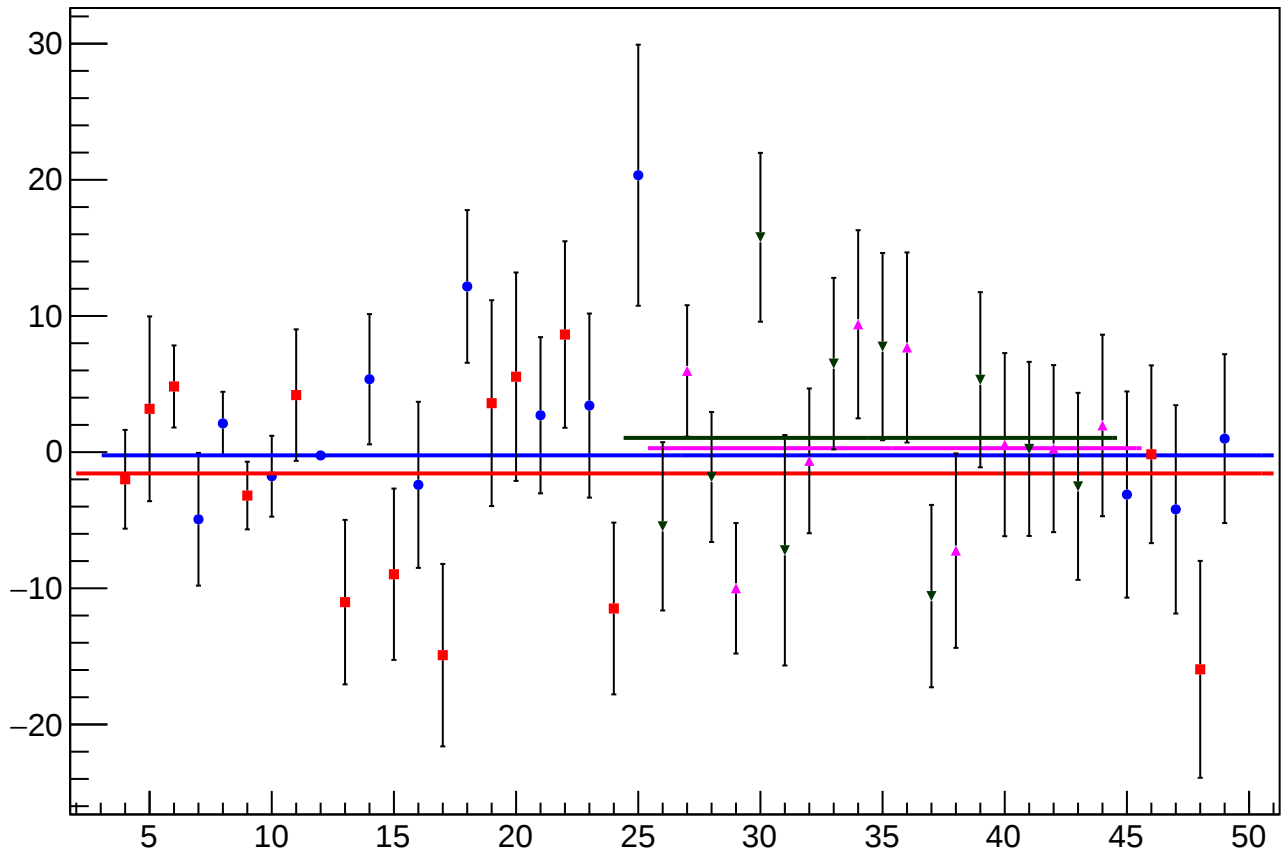
Right Out: 9889.735+/-2.602 χ^2 /NDF: 340837.9/13

Left In: 9928.487+/-2.975 χ^2 /NDF:80123.6/8

62.793+/-0.075 χ^2 /NDF: 26197258.3/22

9906.530+/-1.958 χ^2 /NDF: 421057.7/22

diff_bpm4ecY_mean vs slug



Right In: -0.235 ± 0.090 χ^2/NDF : 14.2/12

Left Out: 1.047 ± 2.006 χ^2/NDF : 13.5/9

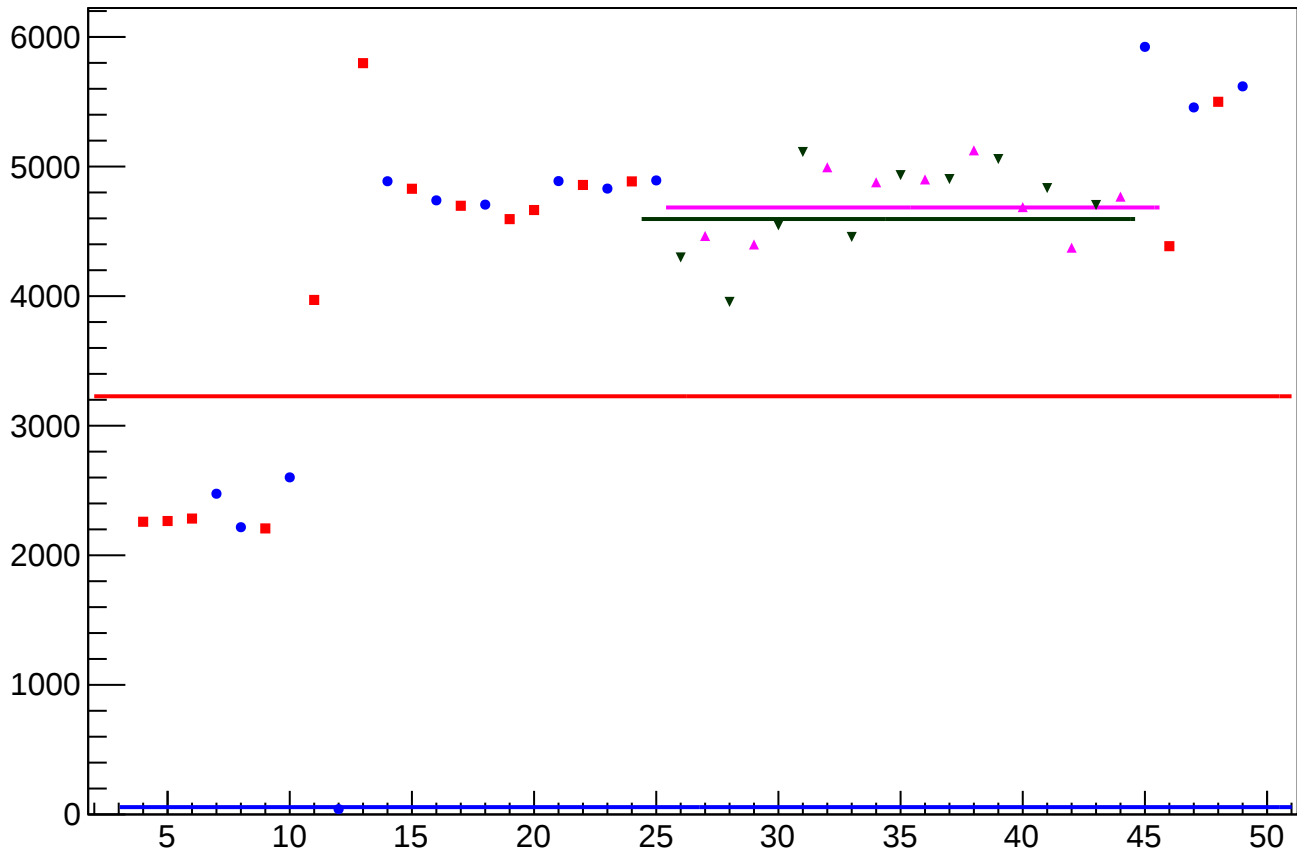
Right Out: -1.564 ± 1.283 χ^2/NDF : 24.0/13

Left In: 0.291 ± 1.984 χ^2/NDF : 10.1/8

-0.233 ± 0.090 χ^2/NDF : 28.1/22

-1.017 ± 1.077 χ^2/NDF : 34.6/22

diff_bpm4ecY_rms vs slug



Right In: 56.552 $\pm$ 0.064 χ^2 /NDF: 15077225.3/12

Left Out: 4595.004 $\pm$ 1.418 χ^2 /NDF: 71786.0/9

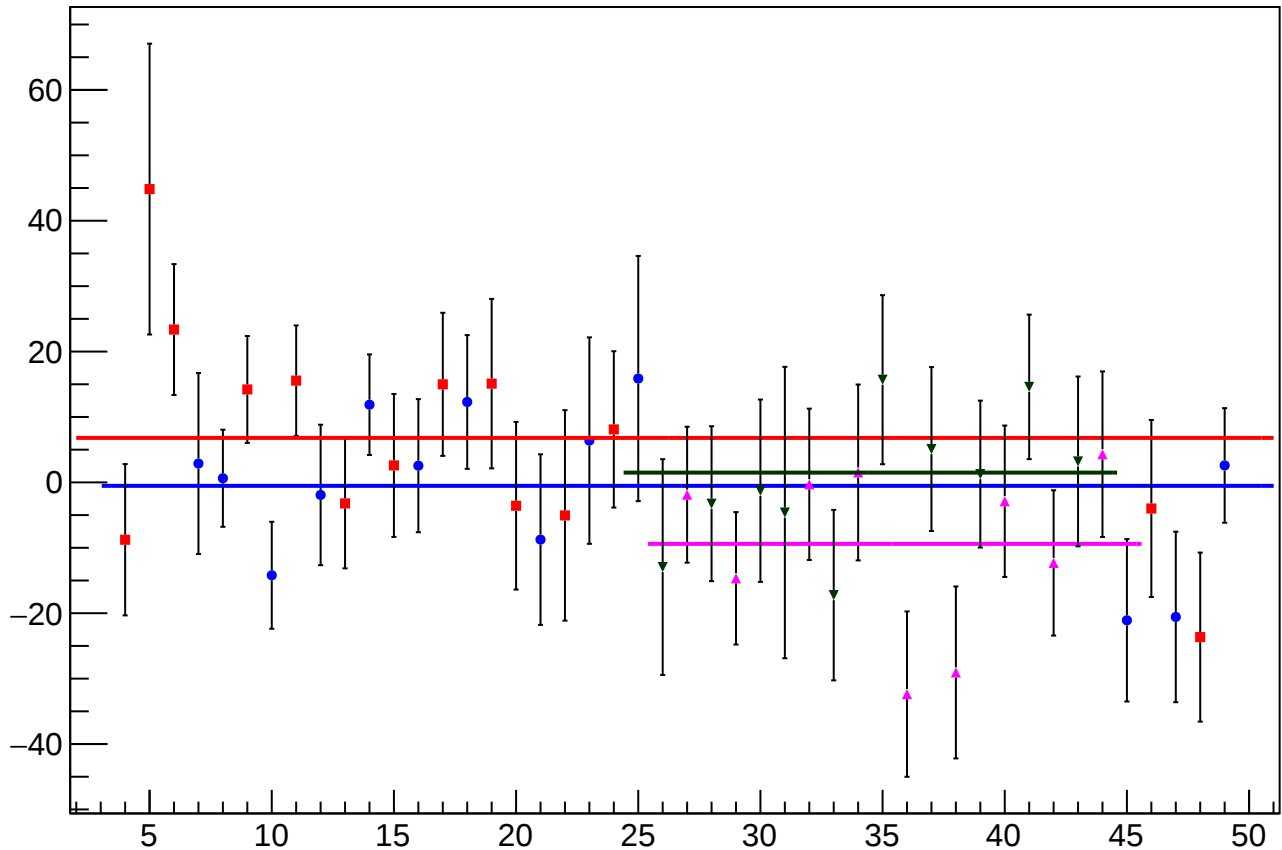
65.662 $\pm$ 0.064 χ^2 /NDF: 25366485.3/22

Right Out: 3227.157 $\pm$ 0.907 χ^2 /NDF: 1964588.5/13

3656.744 $\pm$ 0.762 χ^2 /NDF: 2760060.1/22

Left In: 4684.130 $\pm$ 1.403 χ^2 /NDF: 34622.6/8

diff_bpm1X_mean vs slug



Right In: -0.528 ± 2.871 $\chi^2/\text{NDF}: 13.8/12$

Left Out: 1.495 ± 4.142 $\chi^2/\text{NDF}: 5.8/9$

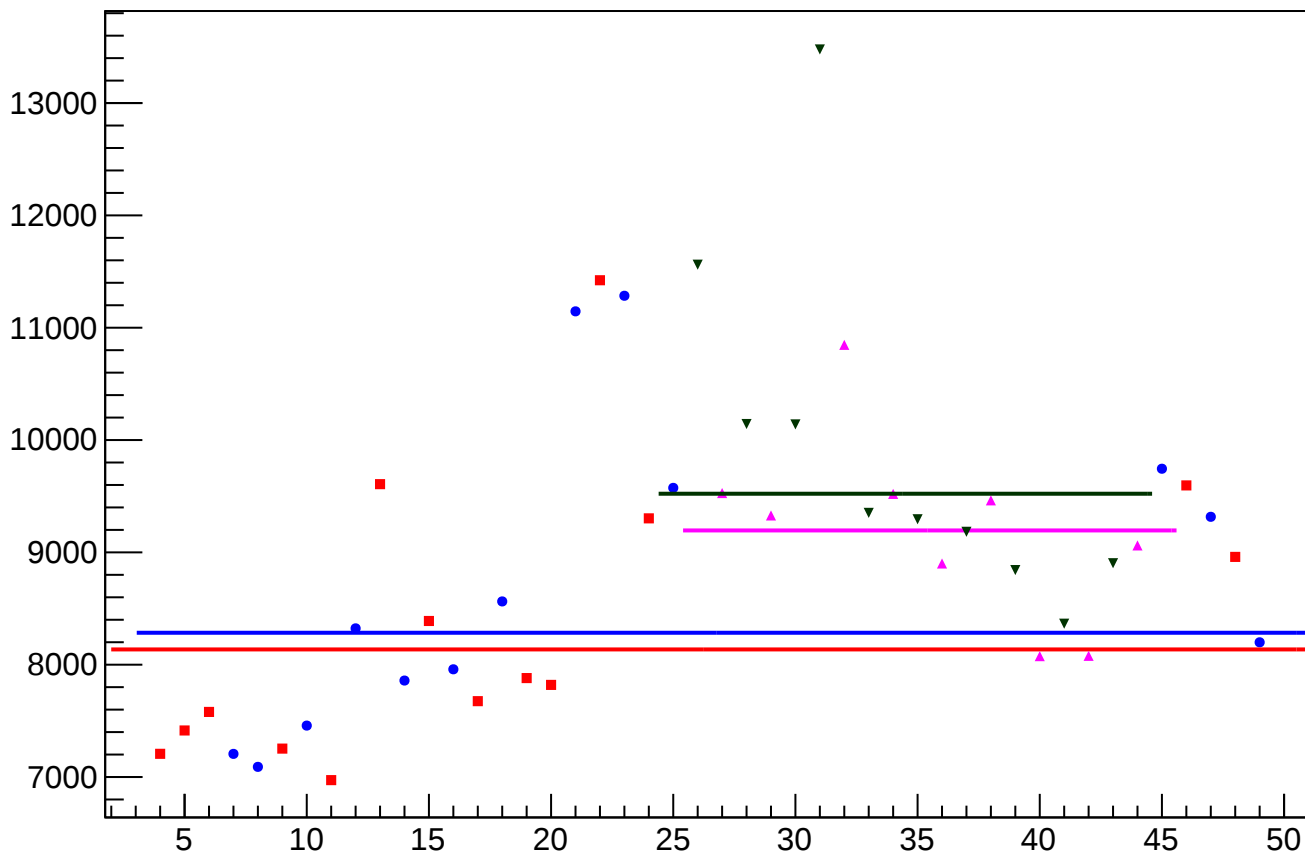
Right Out: 6.800 ± 3.019 $\chi^2/\text{NDF}: 18.9/13$

Left In: -9.400 ± 3.896 $\chi^2/\text{NDF}: 9.2/8$

0.129 ± 2.360 $\chi^2/\text{NDF}: 19.7/22$

0.722 ± 2.386 $\chi^2/\text{NDF}: 38.9/22$

diff_bpm1X_rms vs slug



Right In: 8284.307 $\pm$ 2.030 χ^2 /NDF: 312535.5/12

Left Out: 9522.004 $\pm$ 2.929 χ^2 /NDF:139291.8/9

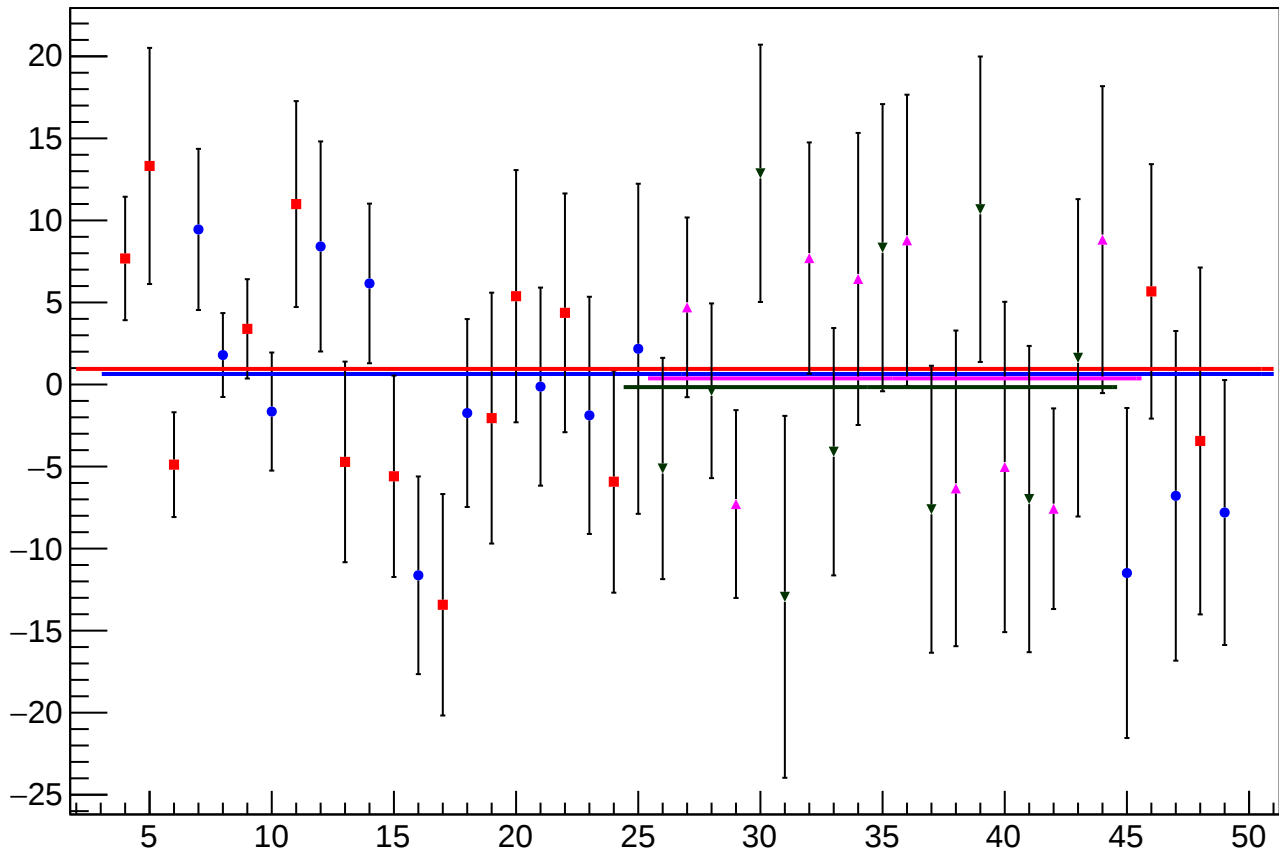
Right Out: 8135.889 $\pm$ 2.135 χ^2 /NDF: 266988.7/13

Left In: 9195.242 $\pm$ 2.755 χ^2 /NDF:85448.4/8

8685.989 $\pm$ 1.669 χ^2 /NDF: 572445.8/22

8533.362 $\pm$ 1.687 χ^2 /NDF: 444846.2/22

diff_bpm1Y_mean vs slug



Right In: 0.641 ± 1.432 $\chi^2/\text{NDF}: 14.2/12$

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

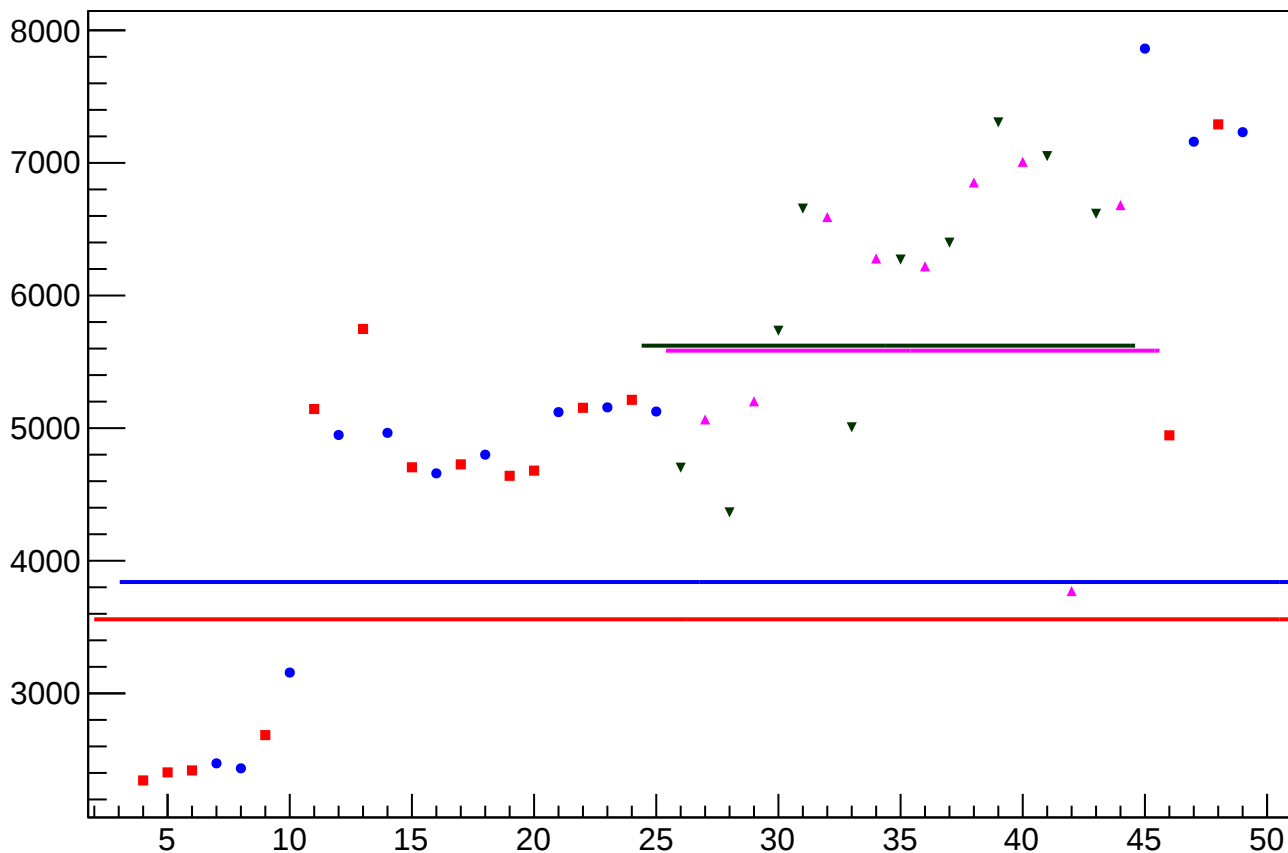
Right Out: 0.951 ± 1.417 $\chi^2/\text{NDF}: 21.5/13$

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

0.444 ± 1.243 $\chi^2/\text{NDF}: 22.8/22$

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

diff_bpm1Y_rms vs slug



Right In: 3839.673+/-1.012 χ^2/NDF : 2171753.4/12

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

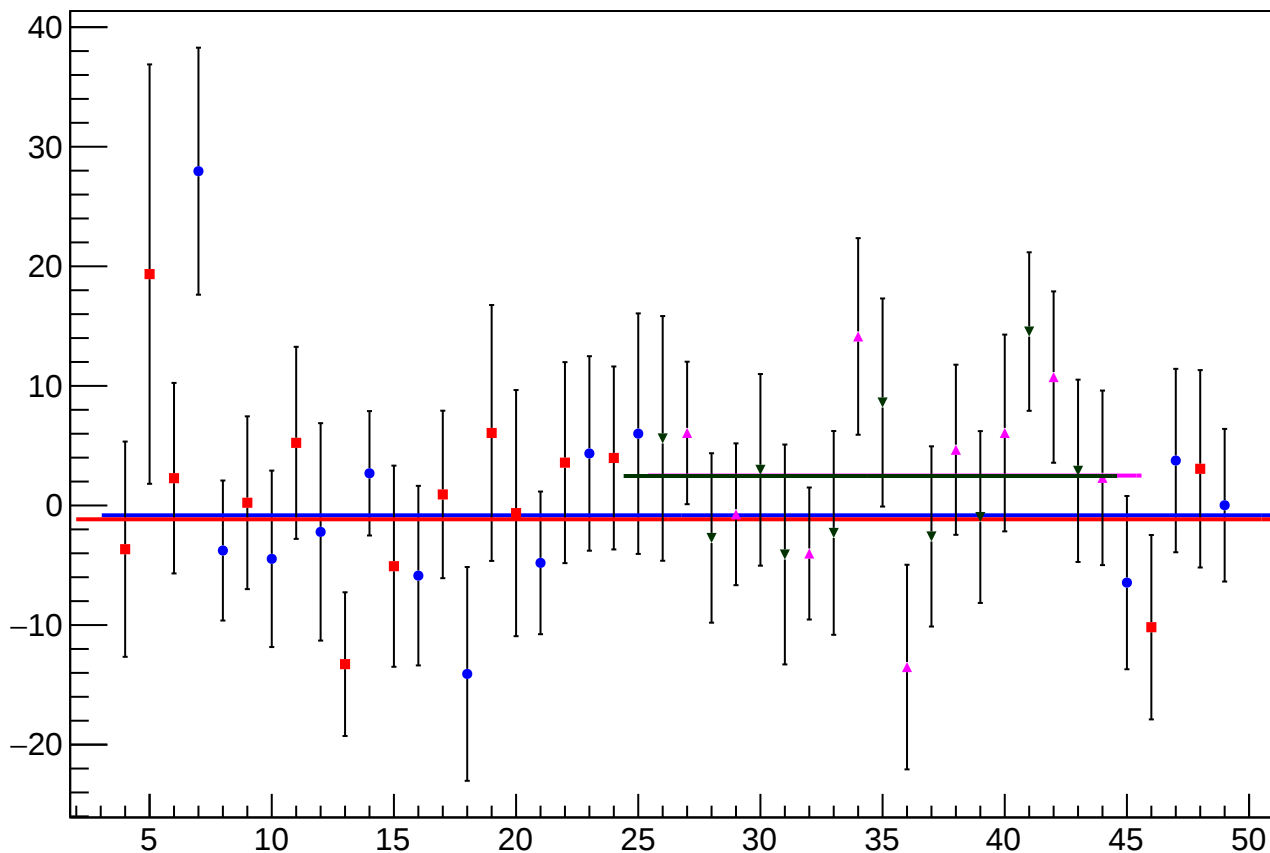
4278.133+/-0.879 χ^2/NDF : 3274835.7/22

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

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

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

diff_bpm11X_mean vs slug



Right In: -0.824 ± 2.000 χ^2/NDF : 13.7/12

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

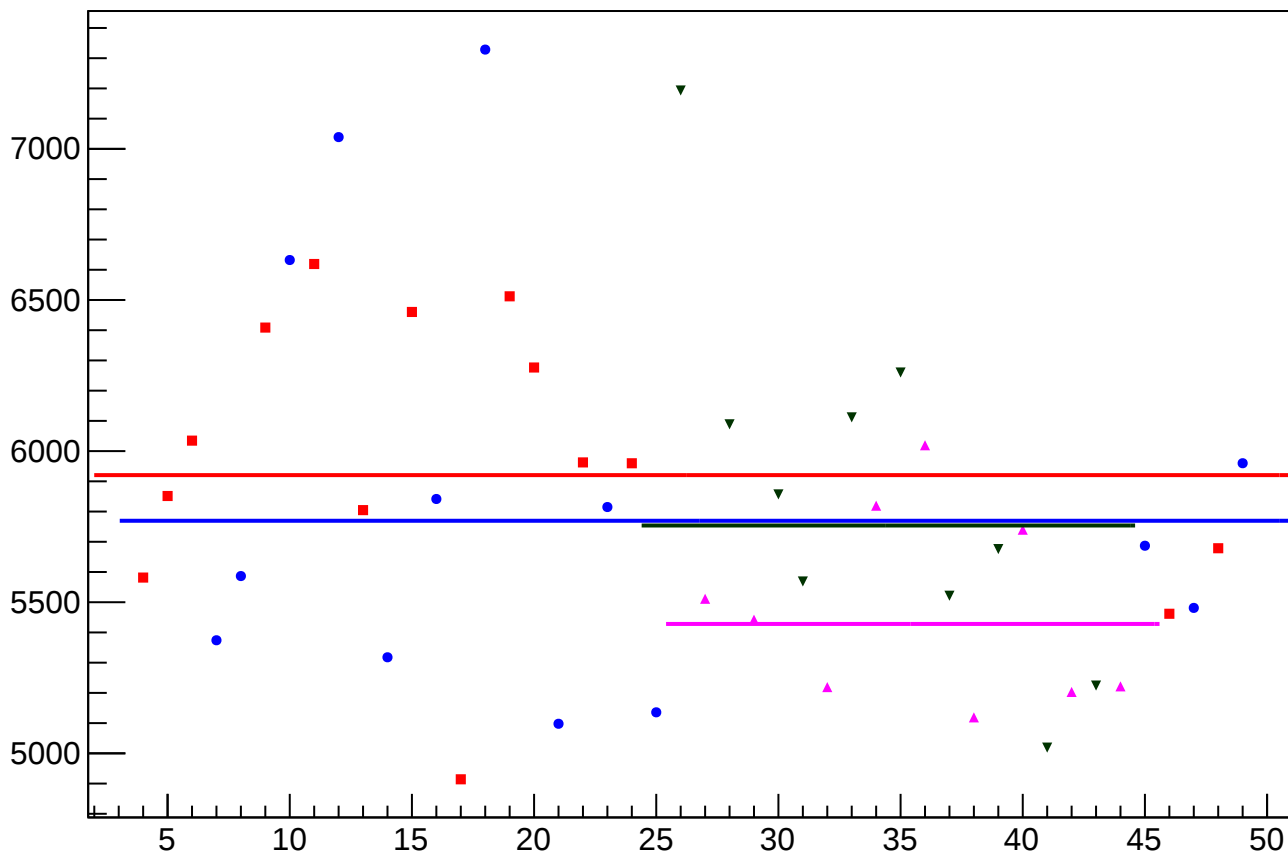
Right Out: -1.156 ± 2.187 χ^2/NDF : 9.5/13

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

0.463 ± 1.560 χ^2/NDF : 20.7/22

0.588 ± 1.581 χ^2/NDF : 20.0/22

diff_bpm11X_rms vs slug



Right In: 5769.525+/-1.414 χ^2/NDF : 185577.3/12

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

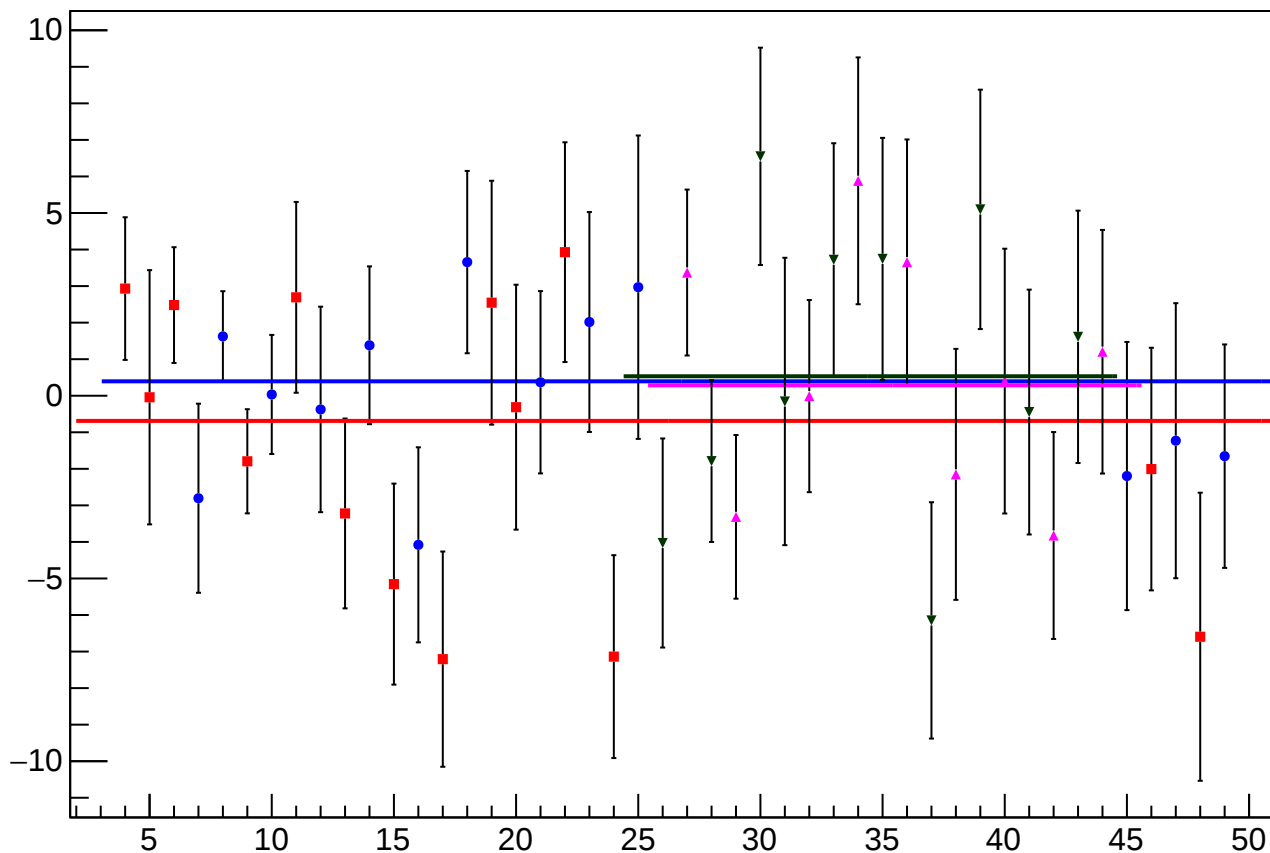
Right Out: 5920.563+/-1.546 χ^2/NDF : 95236.5/13

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

5763.395+/-1.103 χ^2/NDF : 277499.8/22

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

diff_bpm11Y_mean vs slug



Right In: 0.394 $\pm$ 0.645 χ^2 /NDF: 9.2/12

Left Out: 0.533 $\pm$ 0.973 χ^2 /NDF:16.1/9

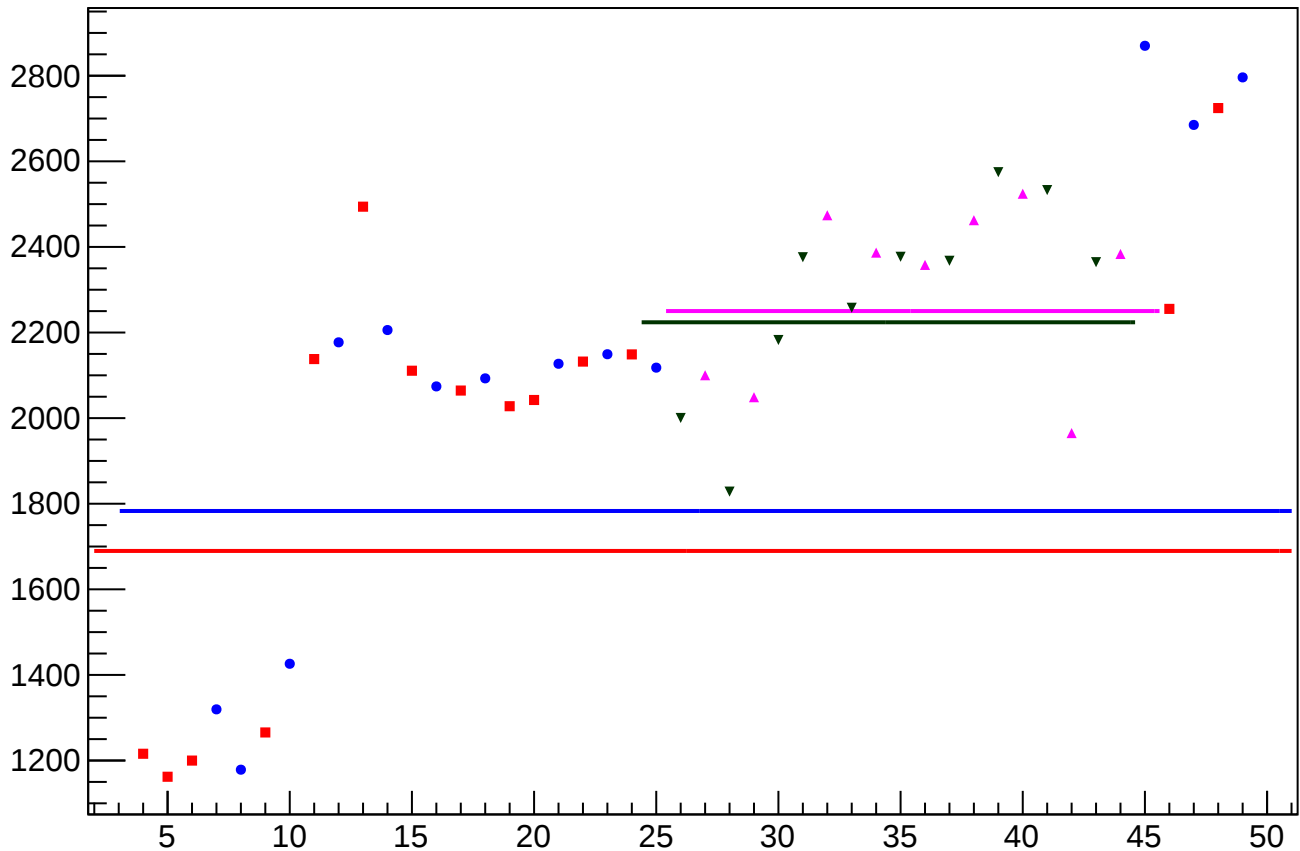
Right Out: -0.689 $\pm$ 0.652 χ^2 /NDF: 29.4/13

Left In: 0.285 $\pm$ 0.958 χ^2 /NDF:10.9/8

0.437 $\pm$ 0.538 χ^2 /NDF: 25.3/22

-0.380 $\pm$ 0.539 χ^2 /NDF: 41.0/22

diff_bpm11Y_rms vs slug



Right In: 1783.040+/-0.456 χ^2/NDF : 1399915.1/12

Left Out: 2223.927+/-0.688 χ^2/NDF :131291.4/9

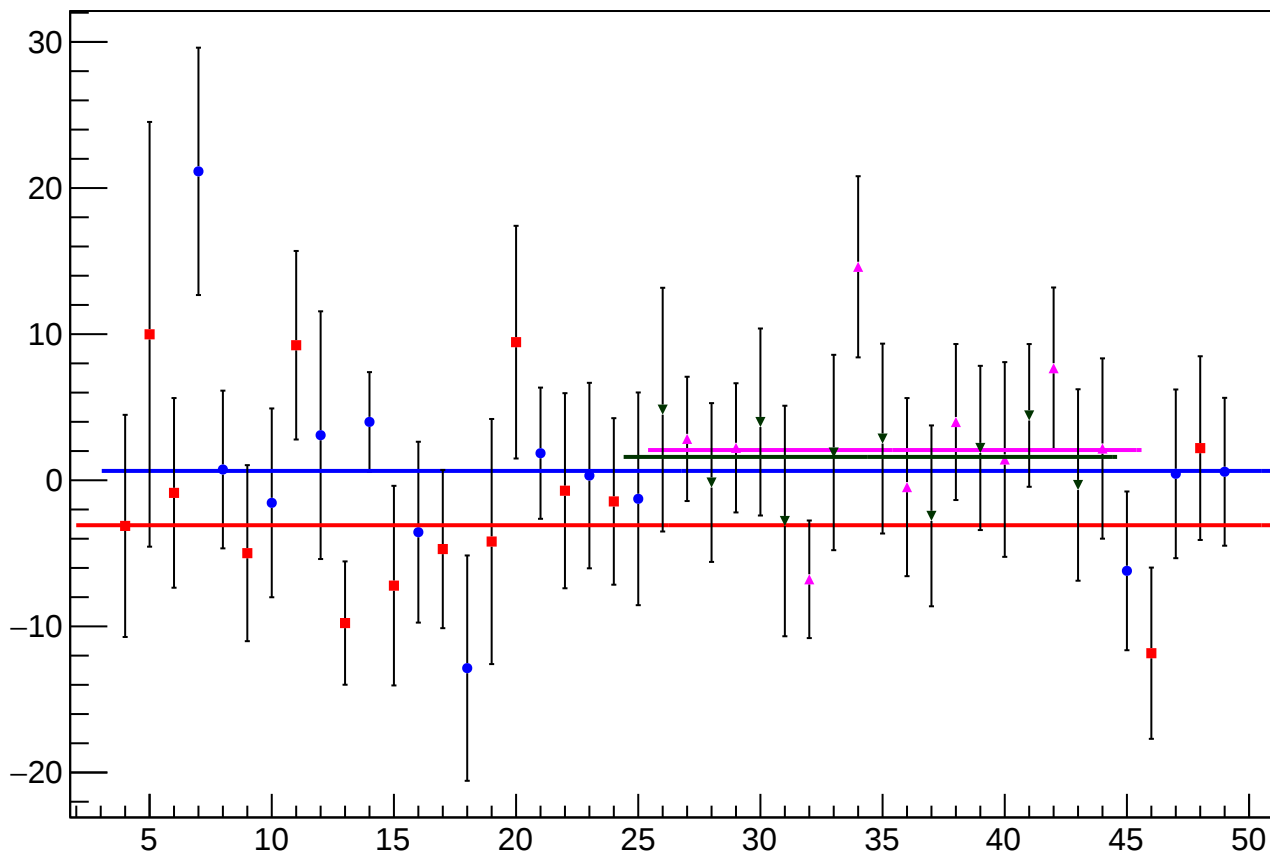
Right Out: 1689.669+/-0.461 χ^2/NDF : 1199231.1/13

Left In: 2250.163+/-0.677 χ^2/NDF :87324.1/8

1917.592+/-0.380 χ^2/NDF : 1816422.5/22

1867.144+/-0.381 χ^2/NDF : 1754776.2/22

diff_bpm12X_mean vs slug



Right In: 0.640 ± 1.559 χ^2/NDF : 12.3/12

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

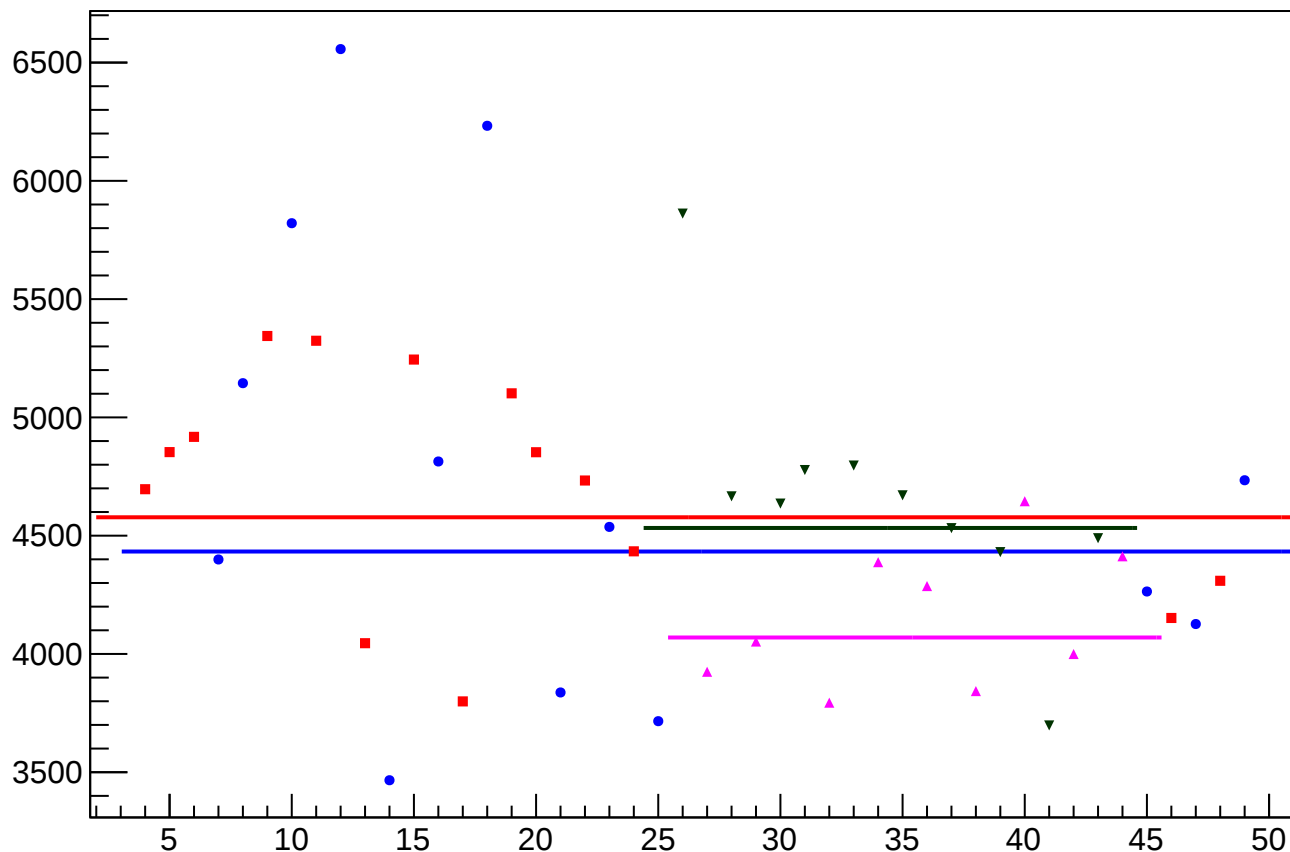
Right Out: -3.076 ± 1.698 χ^2/NDF : 13.3/13

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

1.009 ± 1.222 χ^2/NDF : 14.0/22

-0.537 ± 1.209 χ^2/NDF : 28.1/22

diff_bpm12X_rms vs slug



Right In: 4433.006+/-1.102 χ^2/NDF : 600099.3/12

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

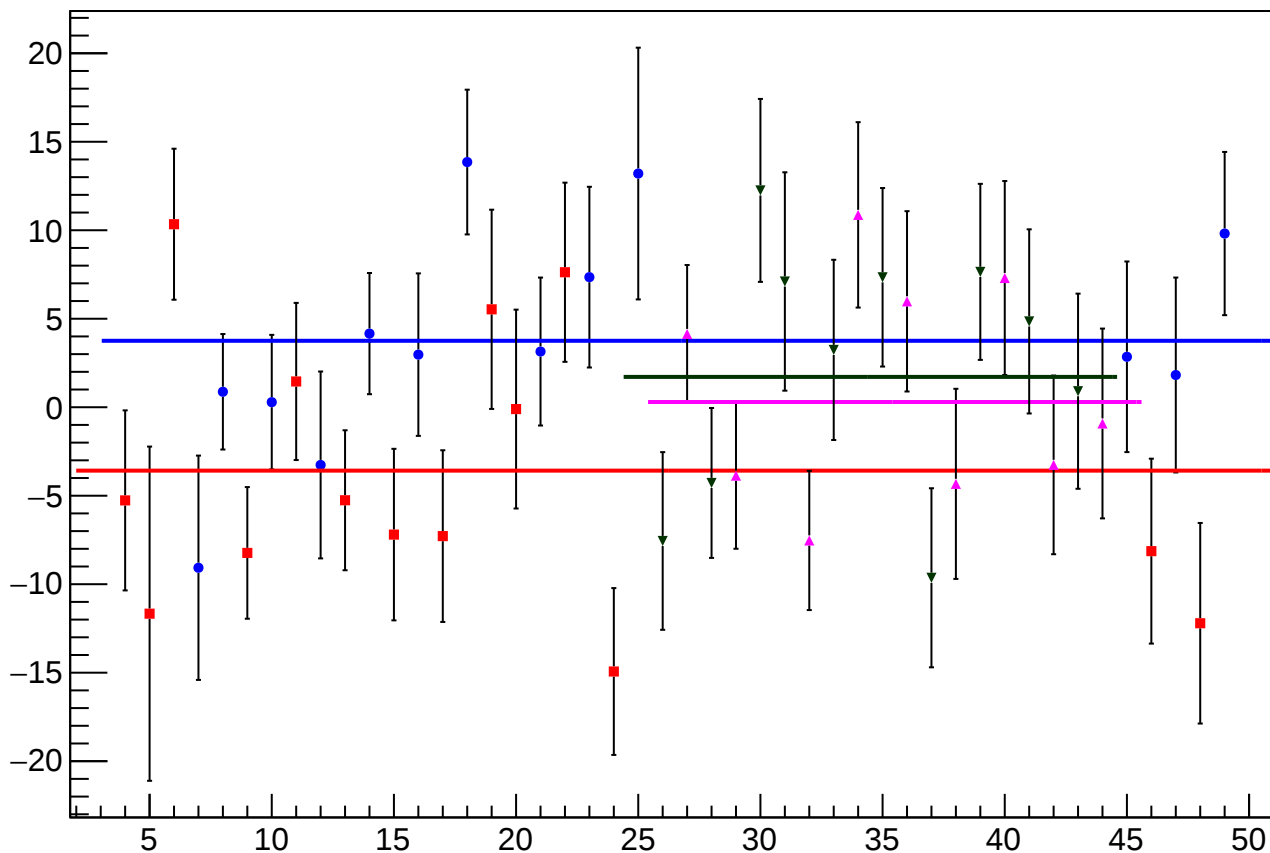
Right Out: 4577.740+/-1.201 χ^2/NDF : 184766.5/13

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

4471.365+/-0.864 χ^2/NDF : 720874.0/22

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

diff_bpm12Y_mean vs slug



Right In: 3.754 ± 1.244 $\chi^2/\text{NDF}: 17.8/12$

Left Out: 1.714 ± 1.609 $\chi^2/\text{NDF}: 18.5/9$

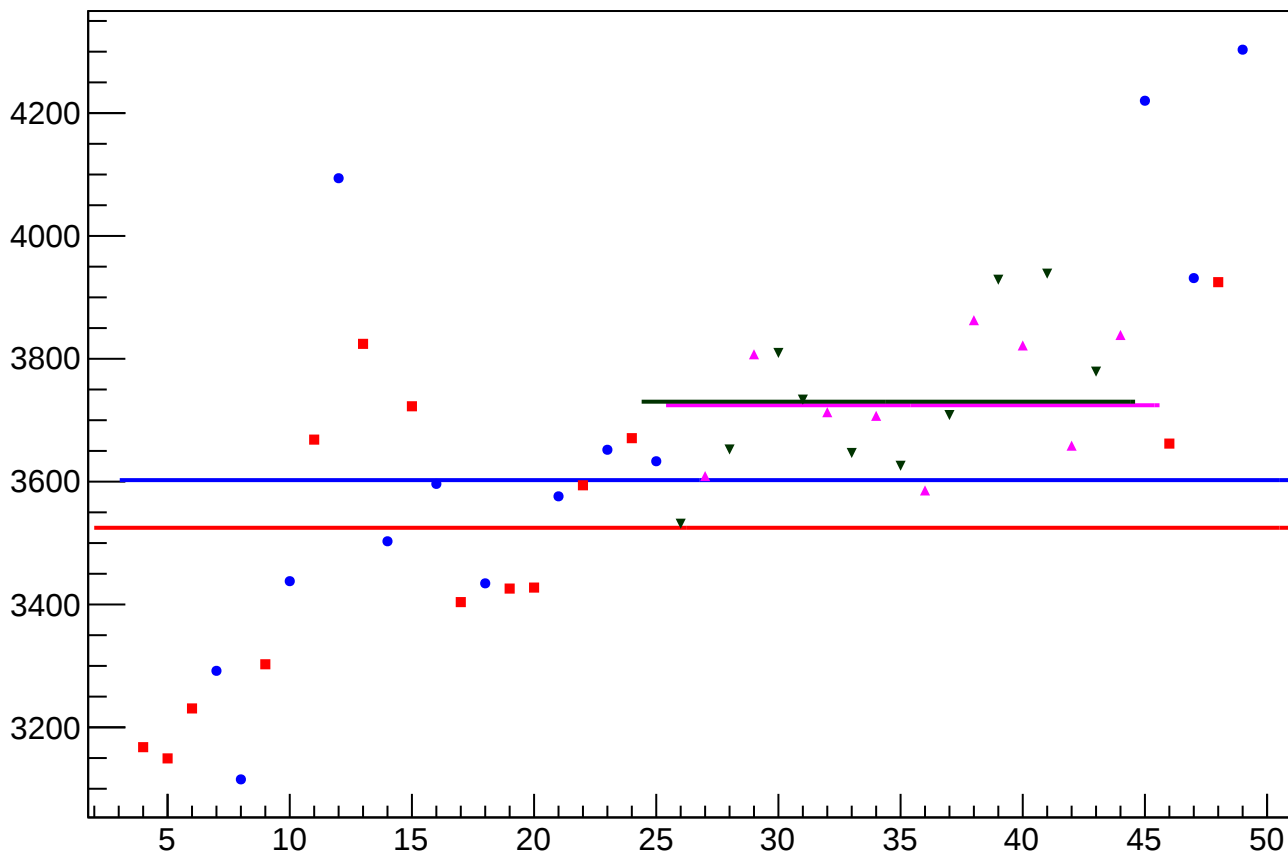
Right Out: -3.582 ± 1.300 $\chi^2/\text{NDF}: 32.4/13$

Left In: 0.295 ± 1.569 $\chi^2/\text{NDF}: 14.2/8$

2.990 ± 0.984 $\chi^2/\text{NDF}: 37.3/22$

-2.005 ± 1.001 $\chi^2/\text{NDF}: 50.3/22$

diff_bpm12Y_rms vs slug



Right In: 3602.462 $\pm$ 0.880 χ^2 /NDF: 155468.0/12

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

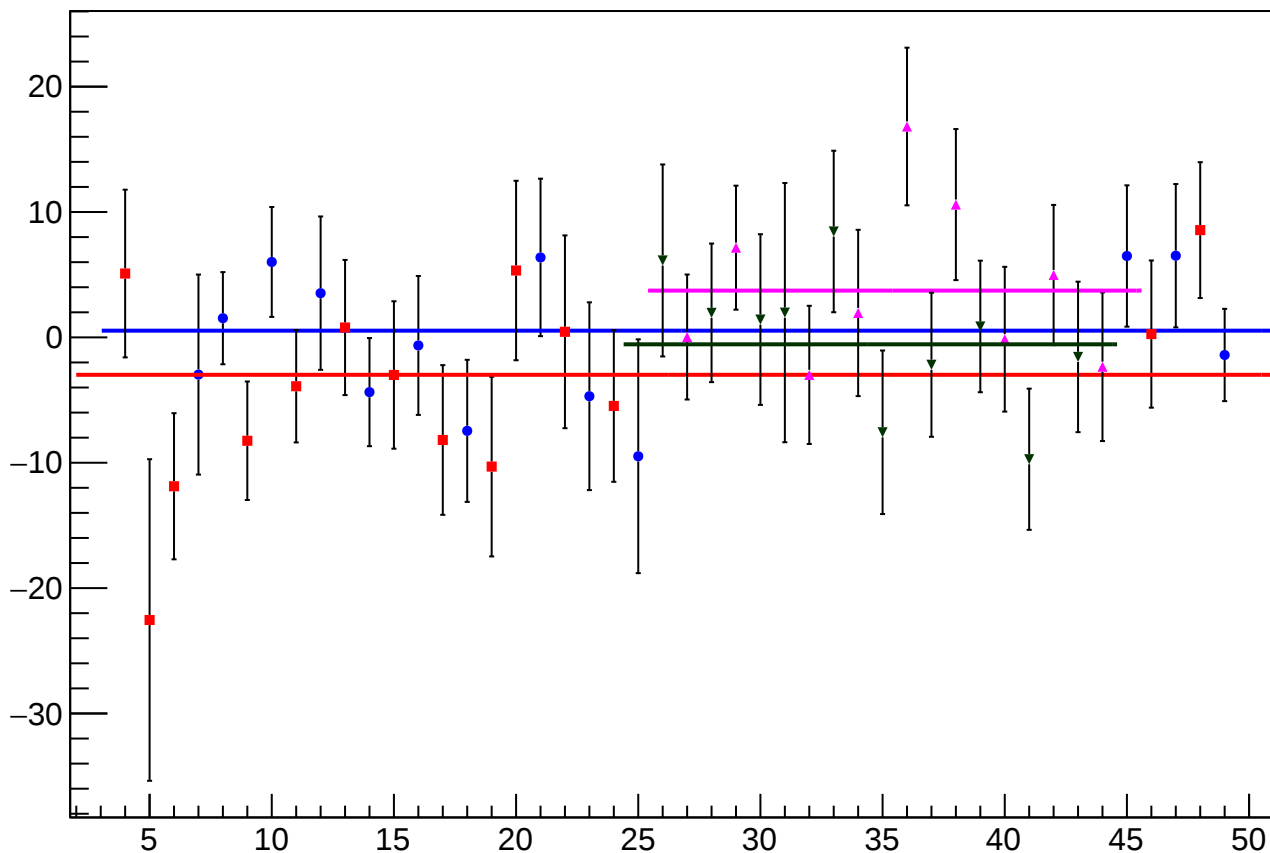
Right Out: 3524.873 $\pm$ 0.919 χ^2 /NDF: 62643.3/13

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

3650.241 $\pm$ 0.696 χ^2 /NDF: 175620.6/22

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

diff_bpm16X_mean vs slug



Right In: 0.536 ± 1.449 $\chi^2/\text{NDF}: 10.4/12$

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

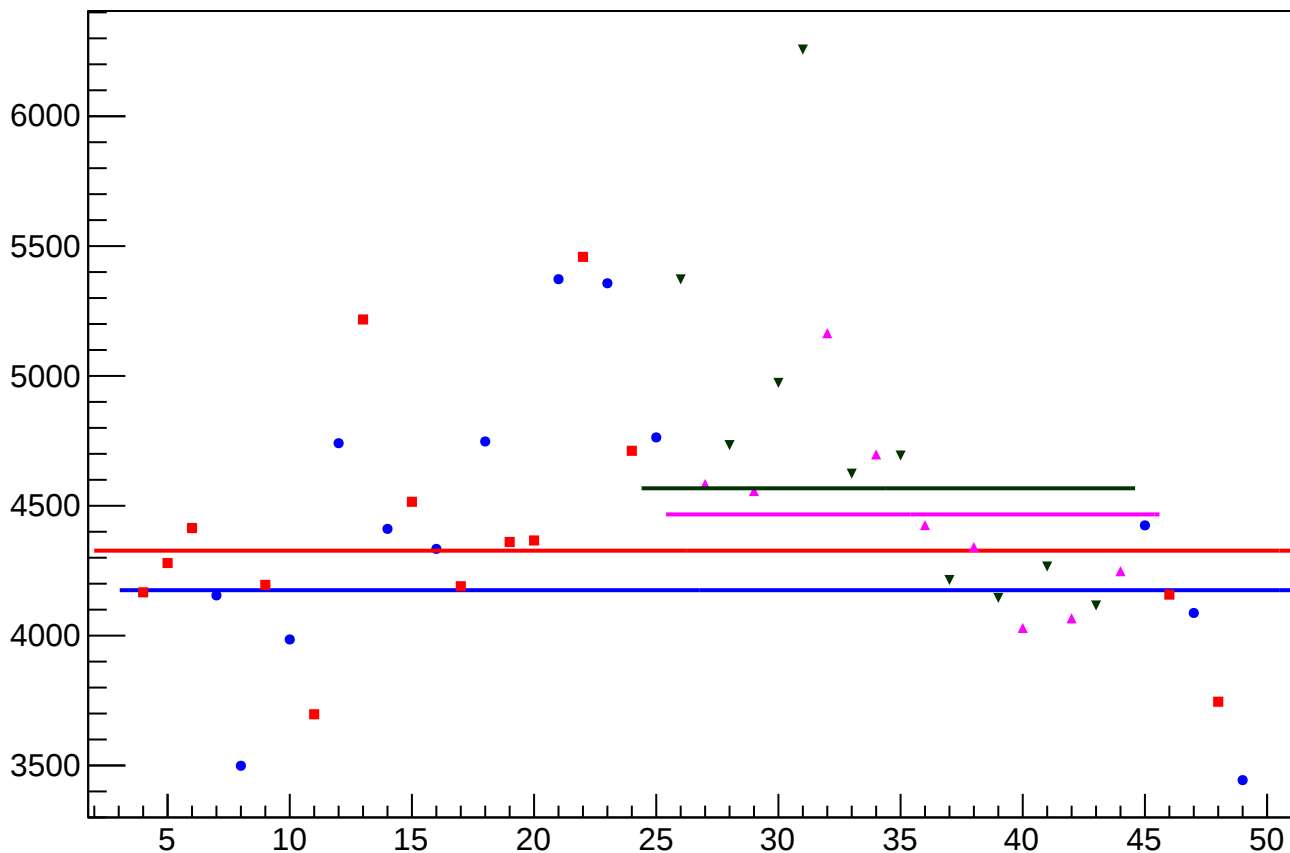
Right Out: -2.985 ± 1.601 $\chi^2/\text{NDF}: 16.2/13$

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

0.157 ± 1.170 $\chi^2/\text{NDF}: 17.6/22$

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

diff_bpm16X_rms vs slug



Right In: 4174.922+/-1.024 χ^2/NDF : 330439.6/12

Left Out: 4567.308+/-1.402 χ^2/NDF :122824.8/9

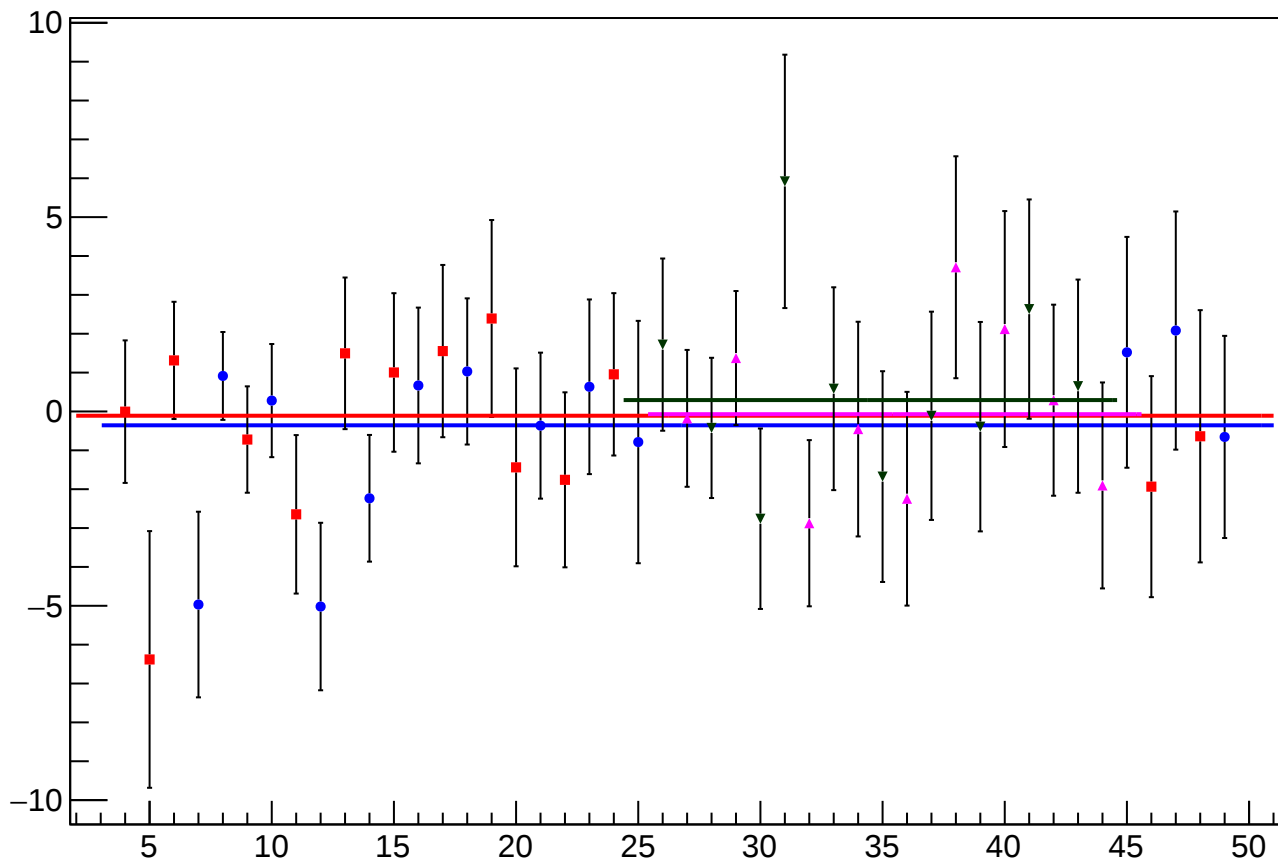
Right Out: 4327.164+/-1.132 χ^2/NDF : 176509.4/13

Left In: 4466.769+/-1.336 χ^2/NDF :61630.0/8

4311.431+/-0.827 χ^2/NDF : 504311.5/22

4385.499+/-0.864 χ^2/NDF : 244492.7/22

diff_bpm16Y_mean vs slug



Right In: -0.356 ± 0.534 χ^2/NDF : 13.3/12

Left Out: 0.293 ± 0.788 χ^2/NDF : 6.6/9

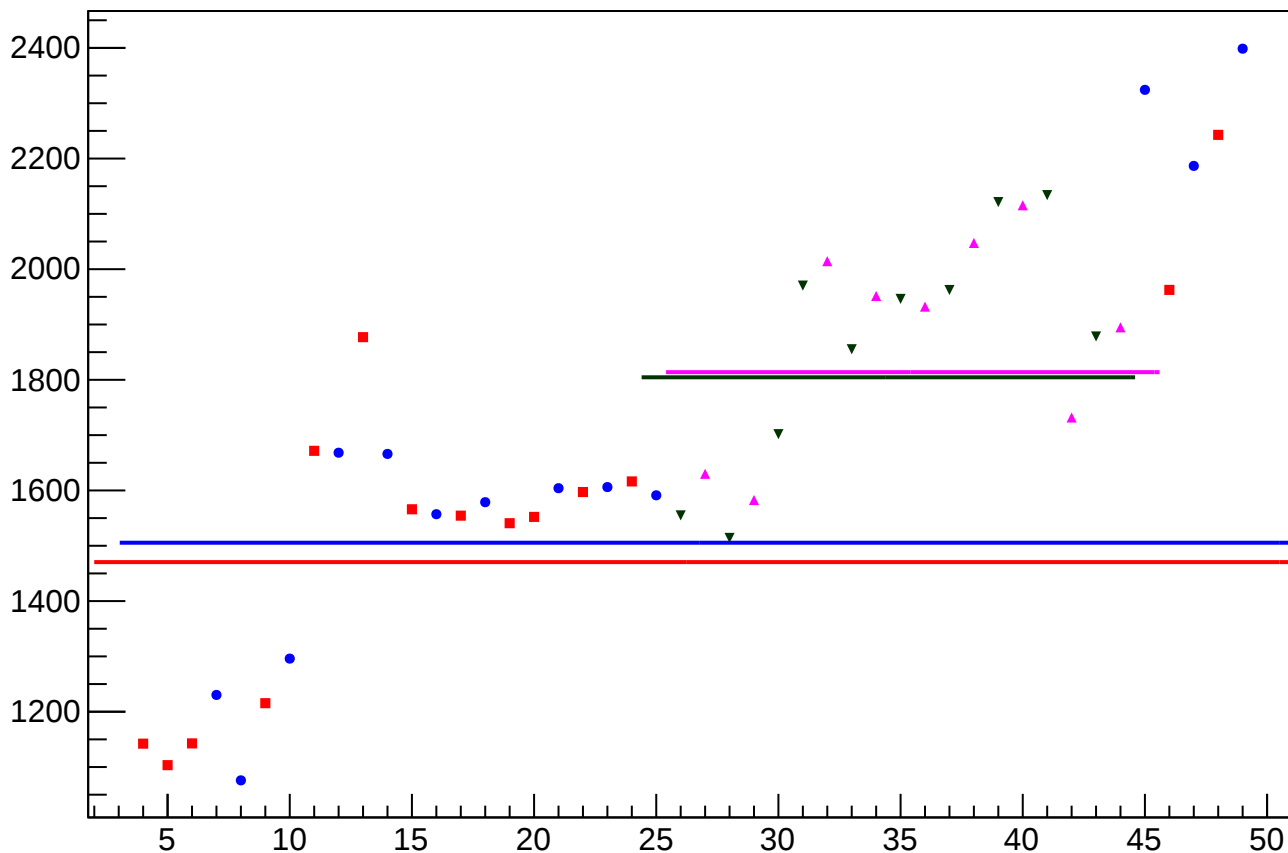
Right Out: -0.110 ± 0.553 χ^2/NDF : 10.3/13

Left In: -0.070 ± 0.771 χ^2/NDF : 5.8/8

-0.152 ± 0.442 χ^2/NDF : 20.3/22

-0.096 ± 0.450 χ^2/NDF : 16.1/22

diff_bpm16Y_rms vs slug



Right In: 1505.512 $\pm$ 0.378 χ^2/NDF : 889509.7/12

Left Out: 1804.555 $\pm$ 0.557 χ^2/NDF :155790.9/9

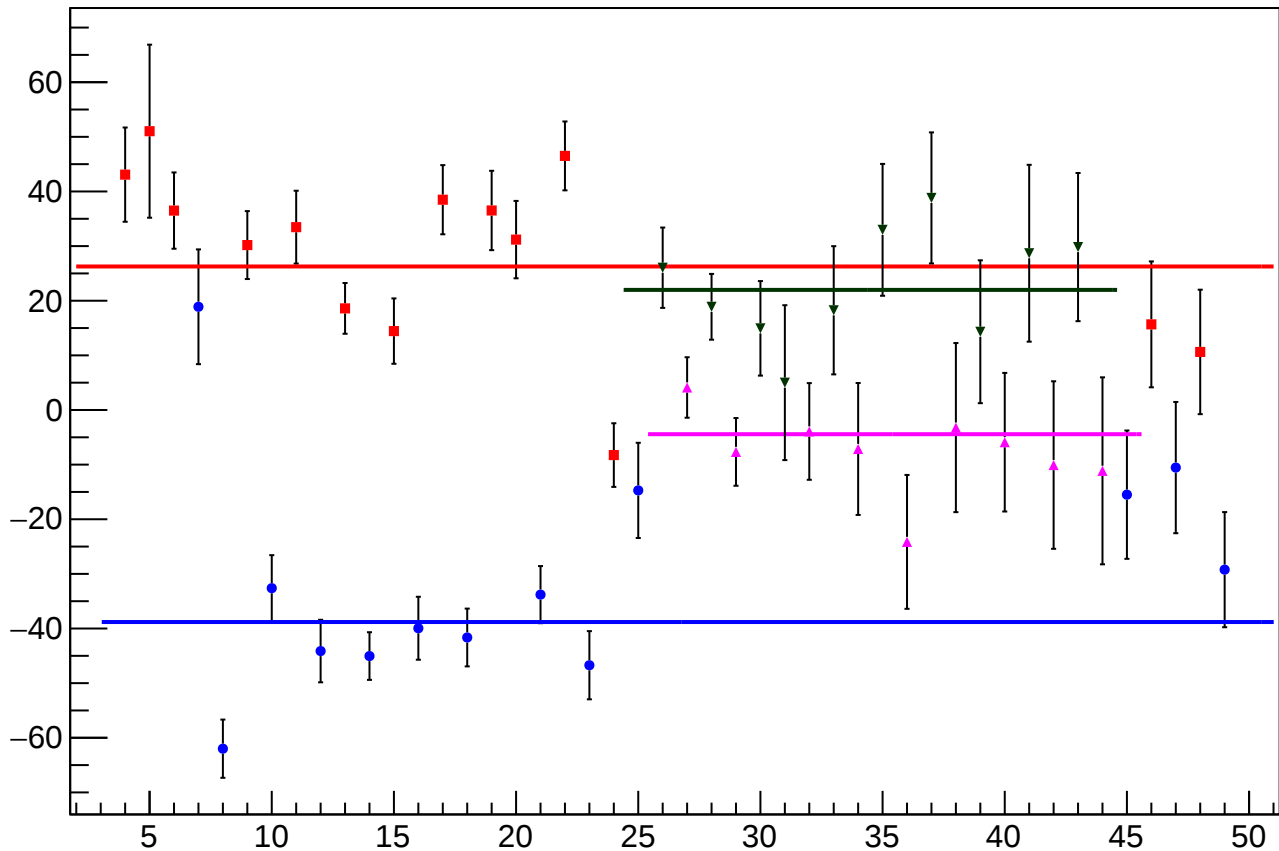
Right Out: 1470.467 $\pm$ 0.391 χ^2/NDF : 559194.3/13

Left In: 1813.858 $\pm$ 0.546 χ^2/NDF :121240.8/8

1599.603 $\pm$ 0.313 χ^2/NDF : 1242534.8/22

1587.134 $\pm$ 0.318 χ^2/NDF : 942043.7/22

diff_bpm0l01X_mean vs slug



Right In: -38.813 ± 1.770 $\chi^2/\text{NDF}: 73.9/12$

Left Out: 21.984 ± 3.153 $\chi^2/\text{NDF}: 6.4/9$

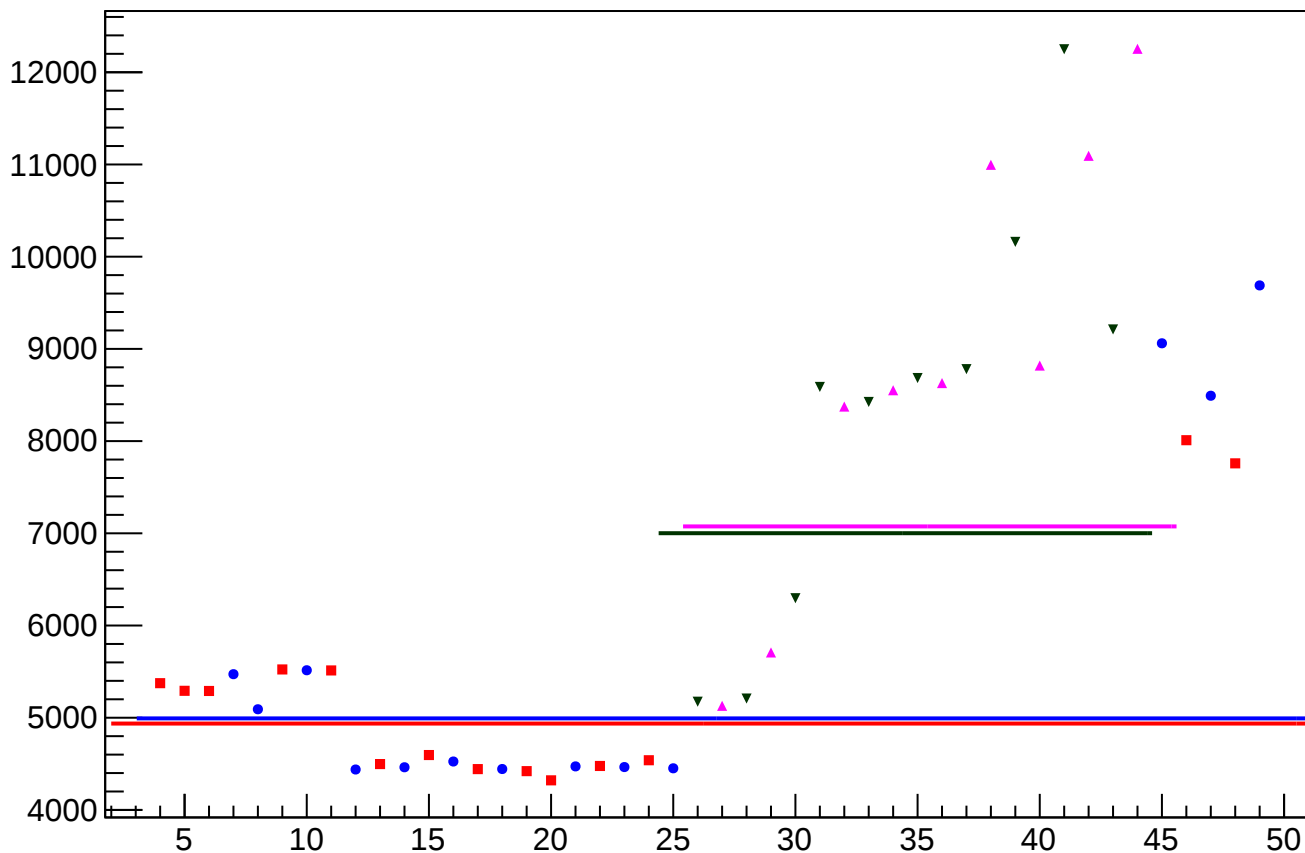
Right Out: 26.270 ± 1.843 $\chi^2/\text{NDF}: 71.0/13$

Left In: -4.429 ± 3.116 $\chi^2/\text{NDF}: 5.6/8$

-24.244 ± 1.543 $\chi^2/\text{NDF}: 363.0/22$

18.310 ± 1.586 $\chi^2/\text{NDF}: 148.5/22$

diff_bpm0l01X_rms vs slug



Right In: 4992.695+/-1.251 χ^2/NDF : 951554.8/12

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

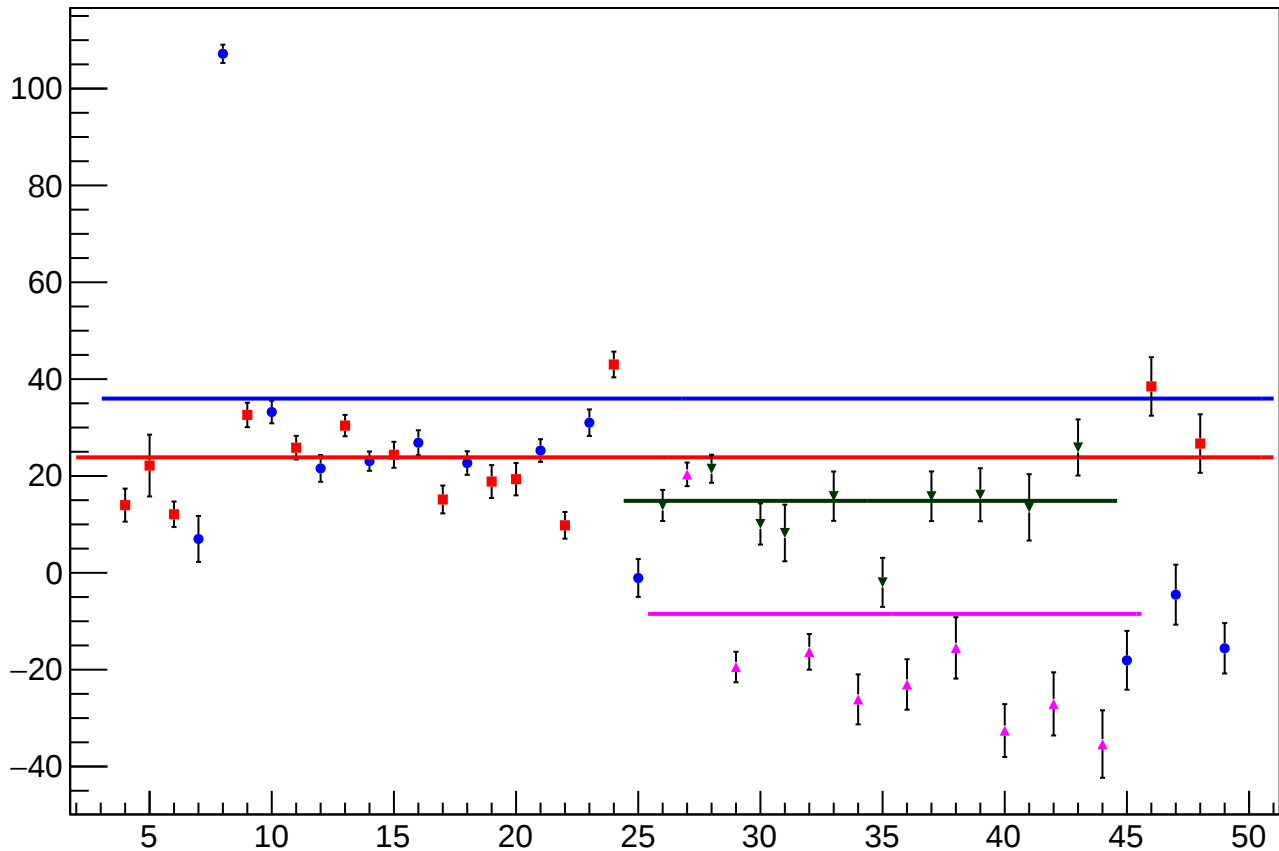
Right Out: 4936.765+/-1.303 χ^2/NDF : 390763.2/13

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

5473.955+/-1.091 χ^2/NDF : 2400455.3/22

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

diff_bpm0l01Y_mean vs slug



Right In: 35.983 $\pm$ 0.770 χ^2 /NDF: 1913.0/12

Left Out: 14.865 $\pm$ 1.412 χ^2 /NDF: 22.7/9

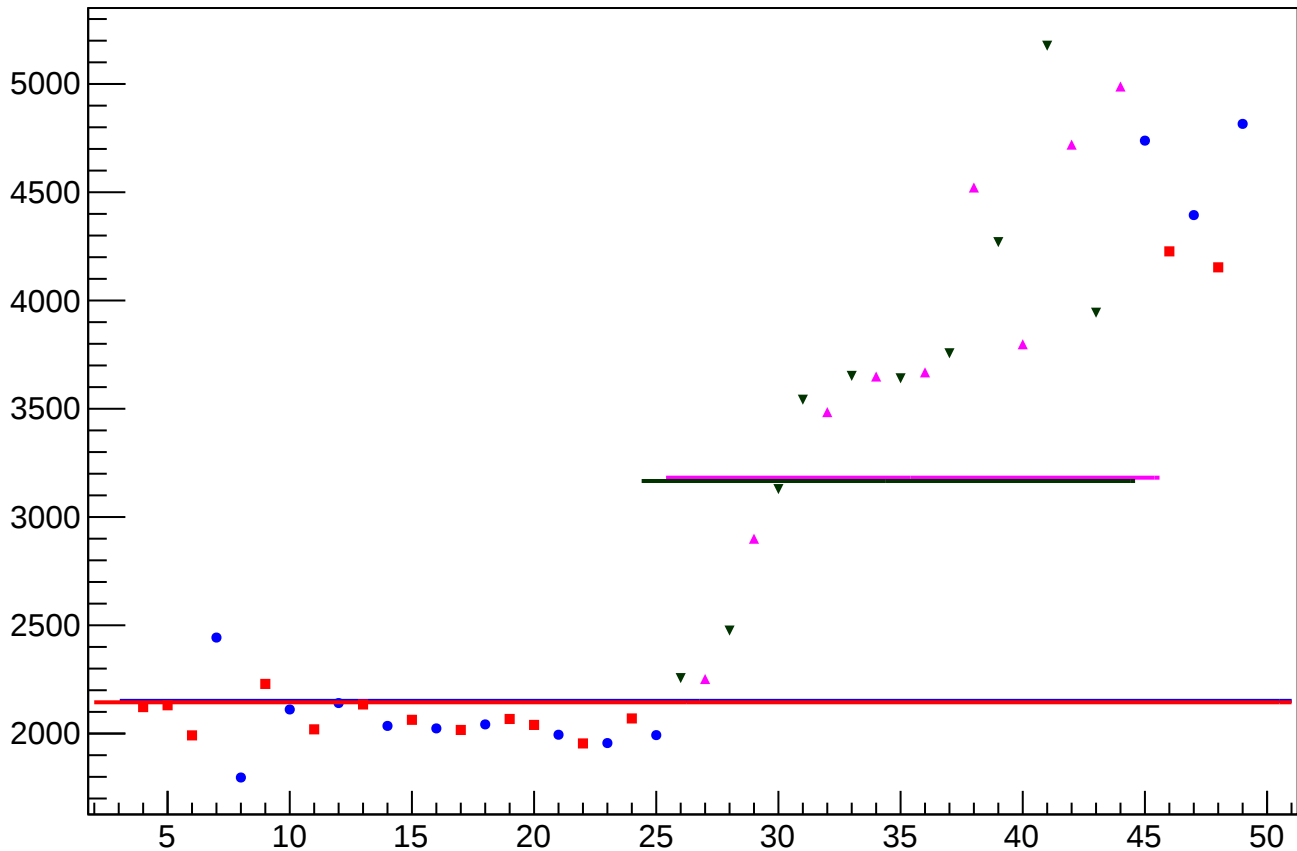
Right Out: 23.851 $\pm$ 0.804 χ^2 /NDF: 147.1/13

Left In: -8.480 $\pm$ 1.387 χ^2 /NDF: 219.8/8

31.142 $\pm$ 0.676 χ^2 /NDF: 2108.1/22

15.719 $\pm$ 0.695 χ^2 /NDF: 773.9/22

diff_bpm0l01Y_rms vs slug



Right In: 2150.906+/-0.545 χ^2/NDF : 1267019.2/12

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

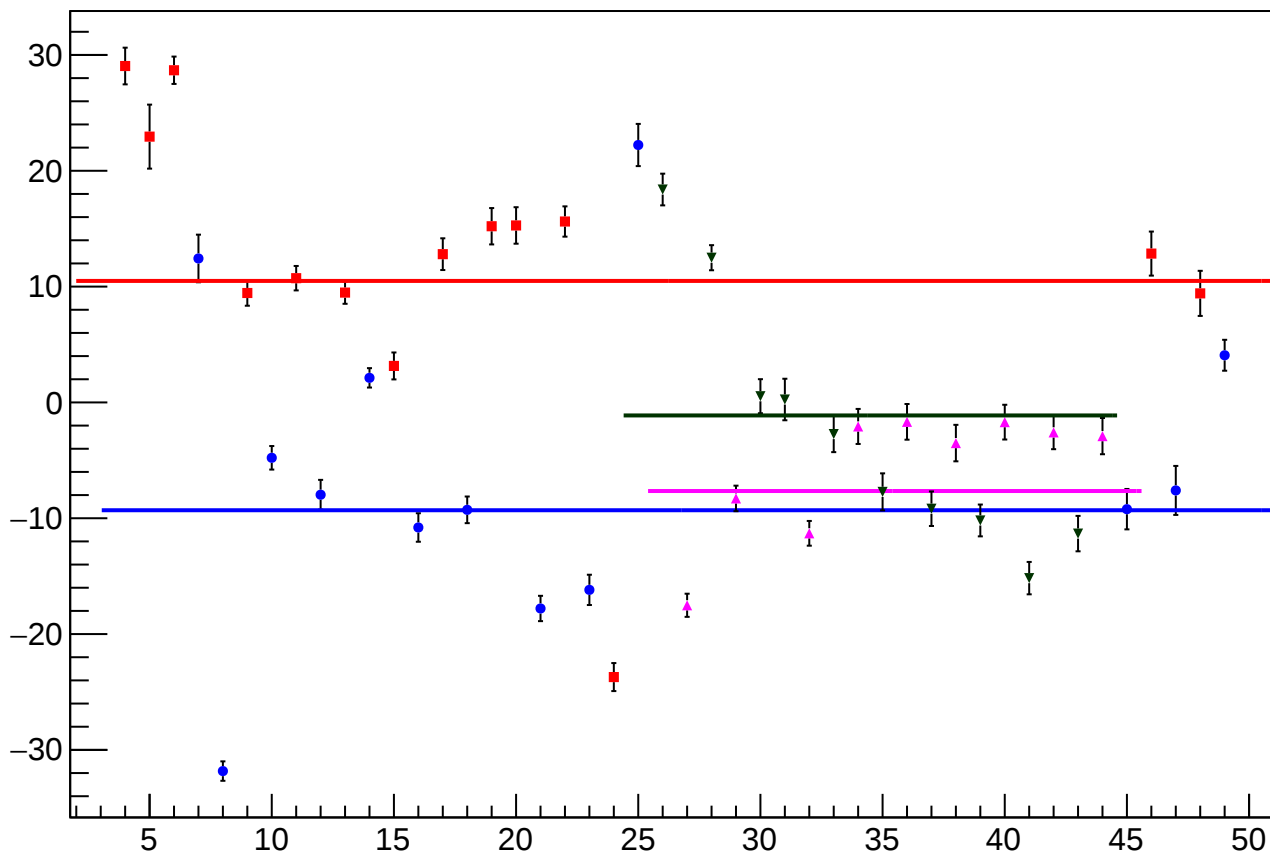
2383.692+/-0.478 χ^2/NDF : 2699642.6/22

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

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

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

diff_bpm2i01X_mean vs slug



Right In: -9.309 ± 0.335 χ^2/NDF : 1529.6/12

Left Out: -1.124 ± 0.453 χ^2/NDF : 599.1/9

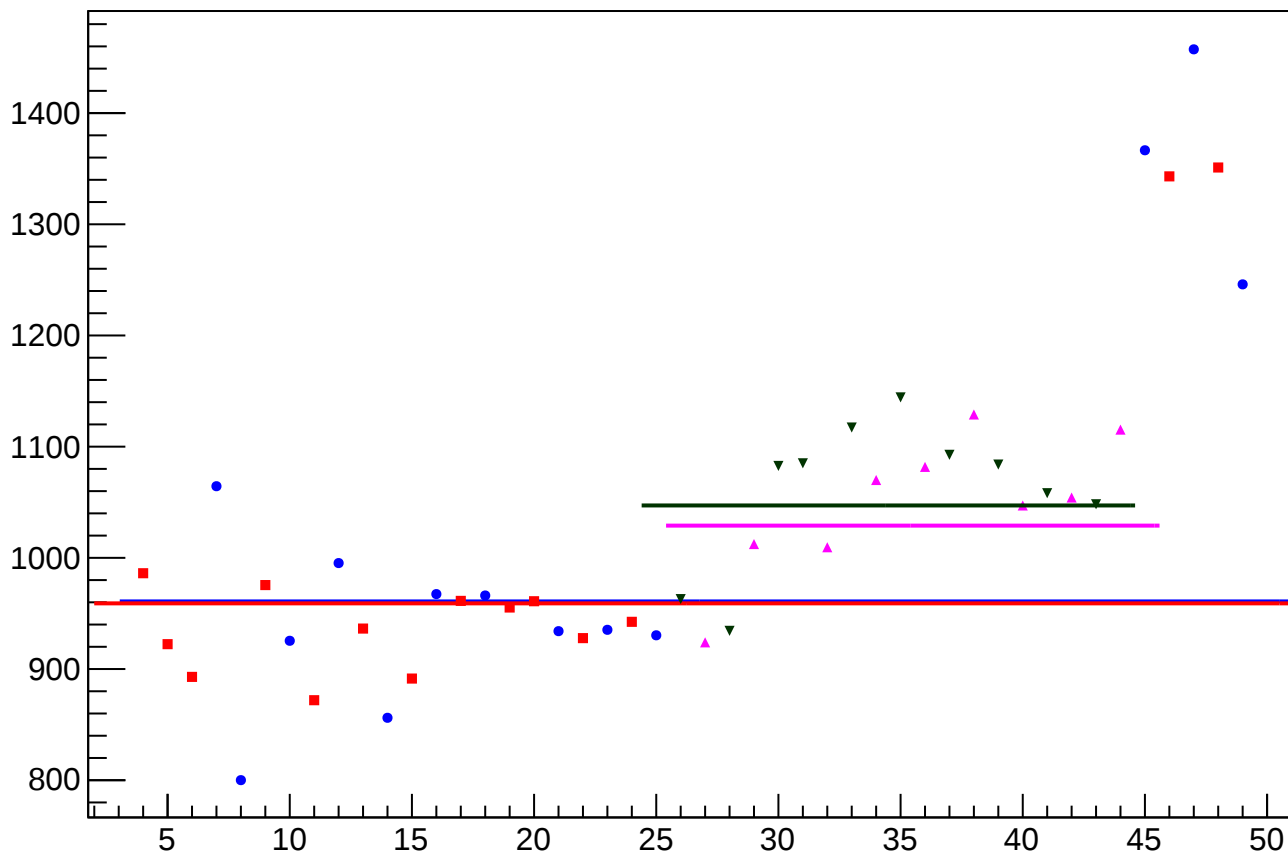
Right Out: 10.490 ± 0.355 χ^2/NDF : 1275.1/13

Left In: -7.649 ± 0.435 χ^2/NDF : 182.1/8

-6.413 ± 0.269 χ^2/NDF : 2339.9/22

3.230 ± 0.275 χ^2/NDF : 2501.9/22

diff_bpm2i01X_rms vs slug



Right In: 960.803 $\pm$ 0.237 χ^2/NDF : 426004.1/12

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

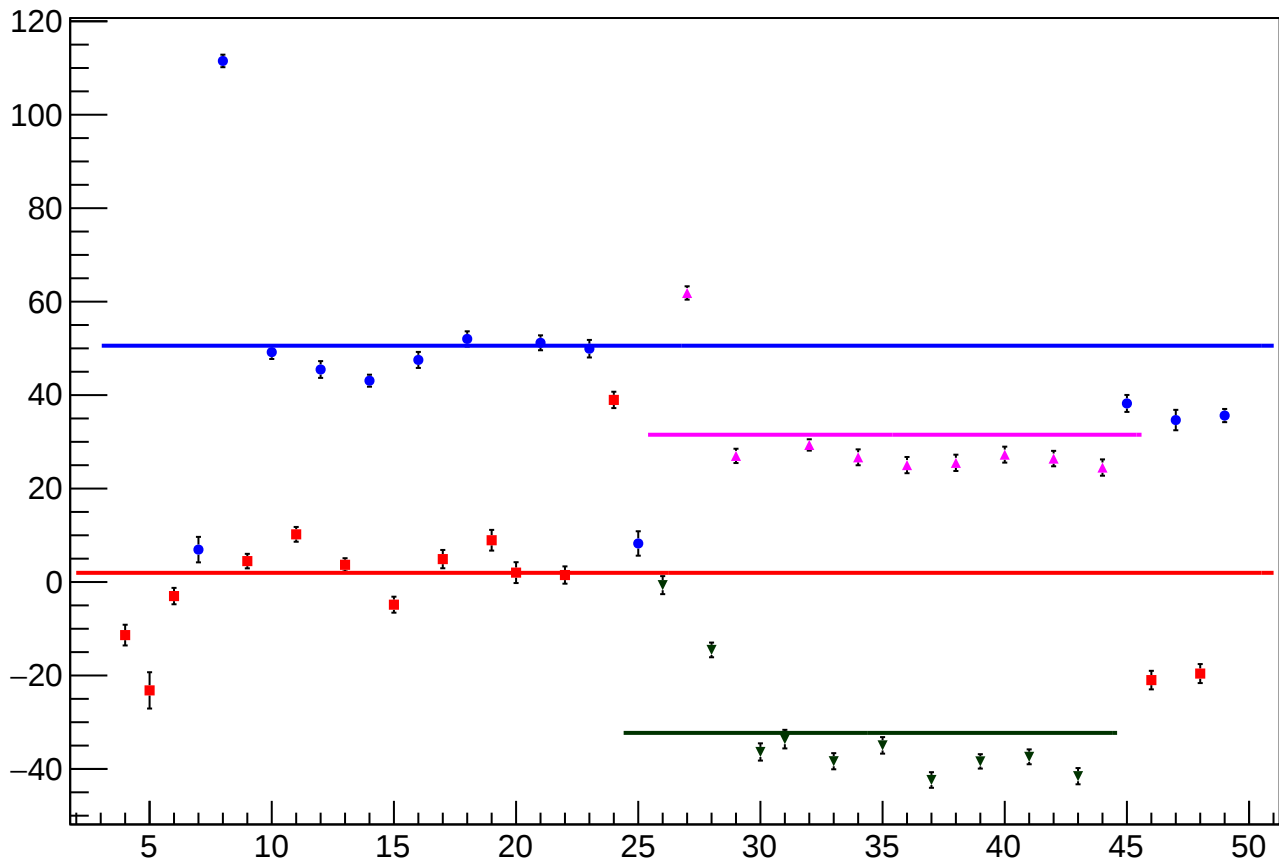
Right Out: 959.058 $\pm$ 0.251 χ^2/NDF : 193321.0/13

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

991.343 $\pm$ 0.190 χ^2/NDF : 519127.9/22

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

diff_bpm2i01Y_mean vs slug



Right In: 50.572 $\pm$ 0.465 χ^2 /NDF: 2839.3/12

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

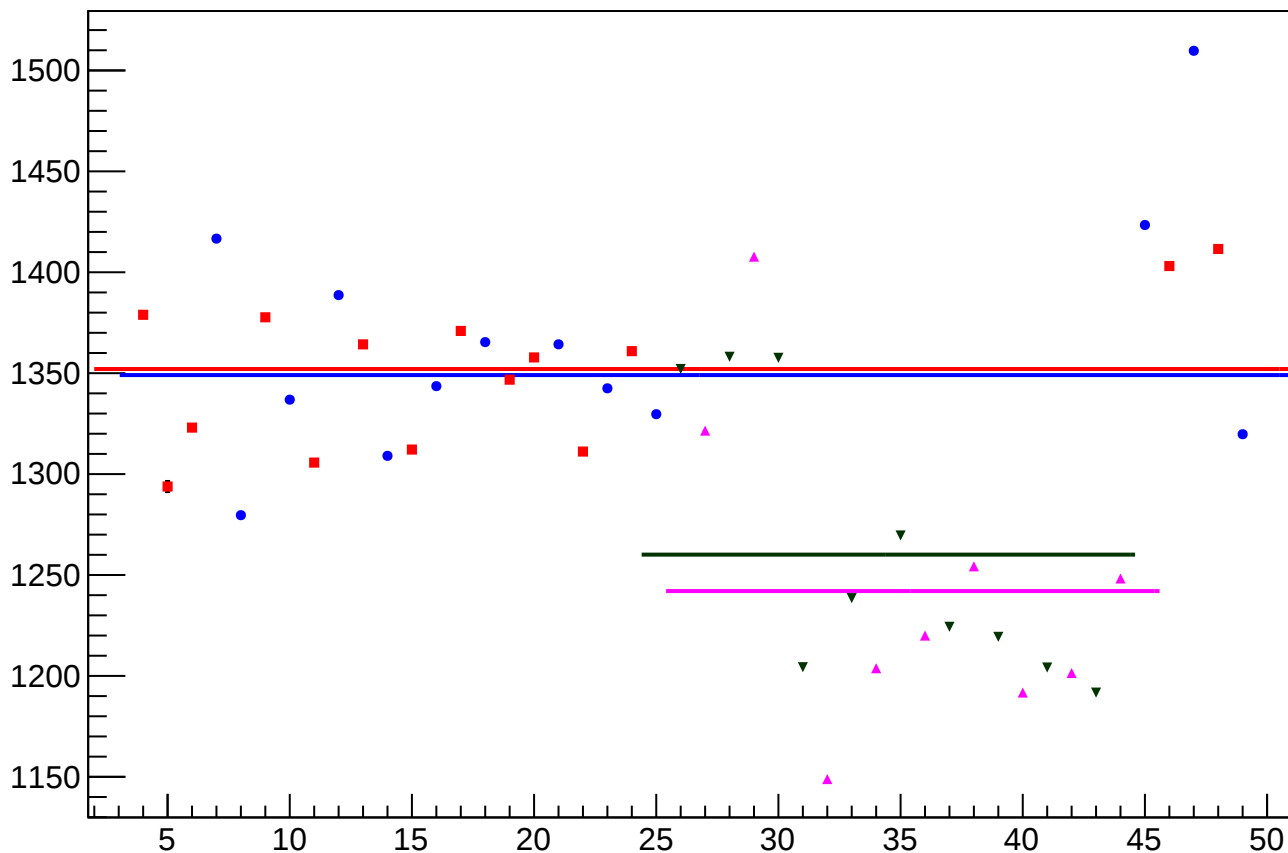
Right Out: 1.968 $\pm$ 0.498 χ^2 /NDF: 839.5/13

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

15.607 $\pm$ 0.353 χ^2 /NDF: 16749.5/22

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

diff_bpm2i01Y_rms vs slug



Right In: 1349.061 $\pm$ 0.329 χ^2 /NDF: 25221.0/12

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

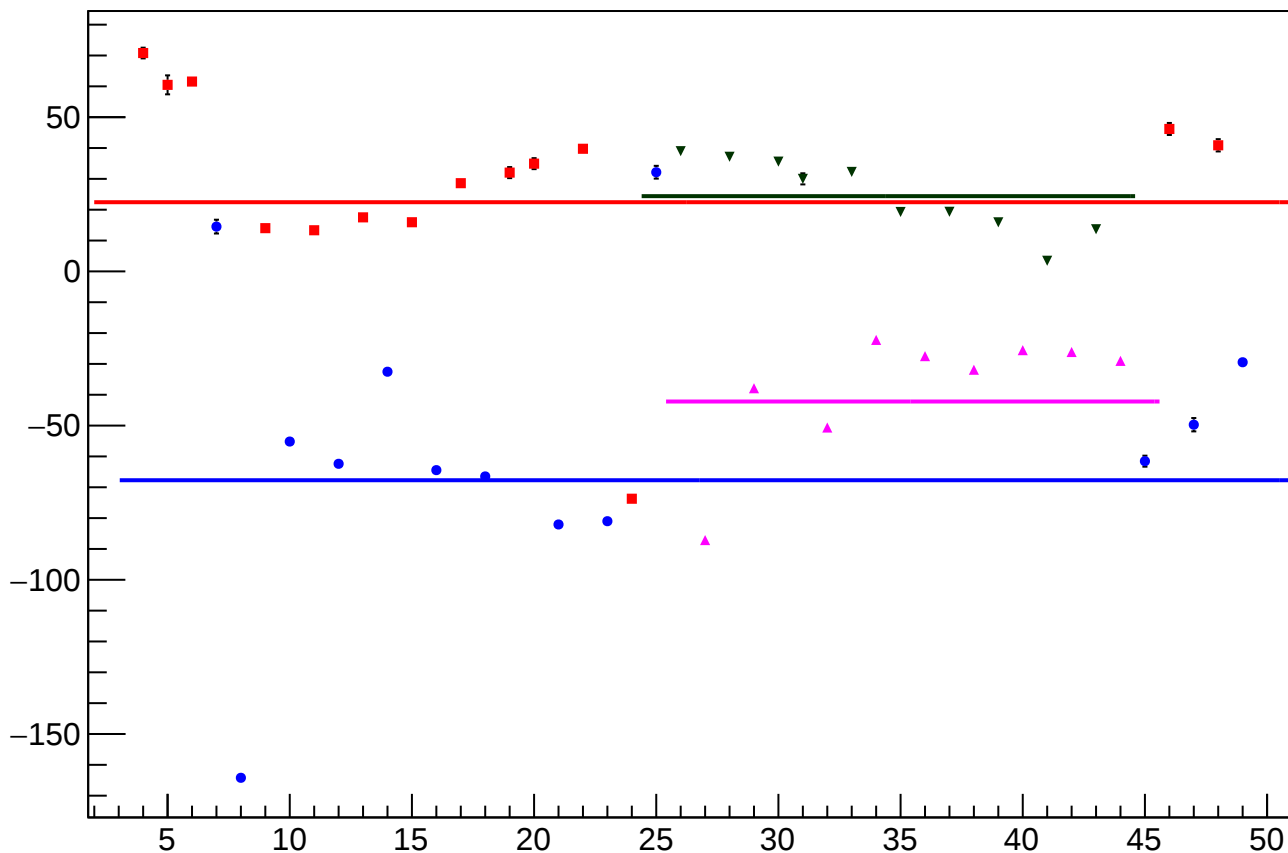
Right Out: 1352.072 $\pm$ 0.352 χ^2 /NDF: 9060.4/13

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

1311.518 $\pm$ 0.250 χ^2 /NDF: 83840.5/22

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

diff_bpm2i02X_mean vs slug



Right In: -67.719 $\pm$ 0.376 χ^2 /NDF: 16001.7/12

Left Out: 24.394 $\pm$ 0.474 χ^2 /NDF: 609.0/9

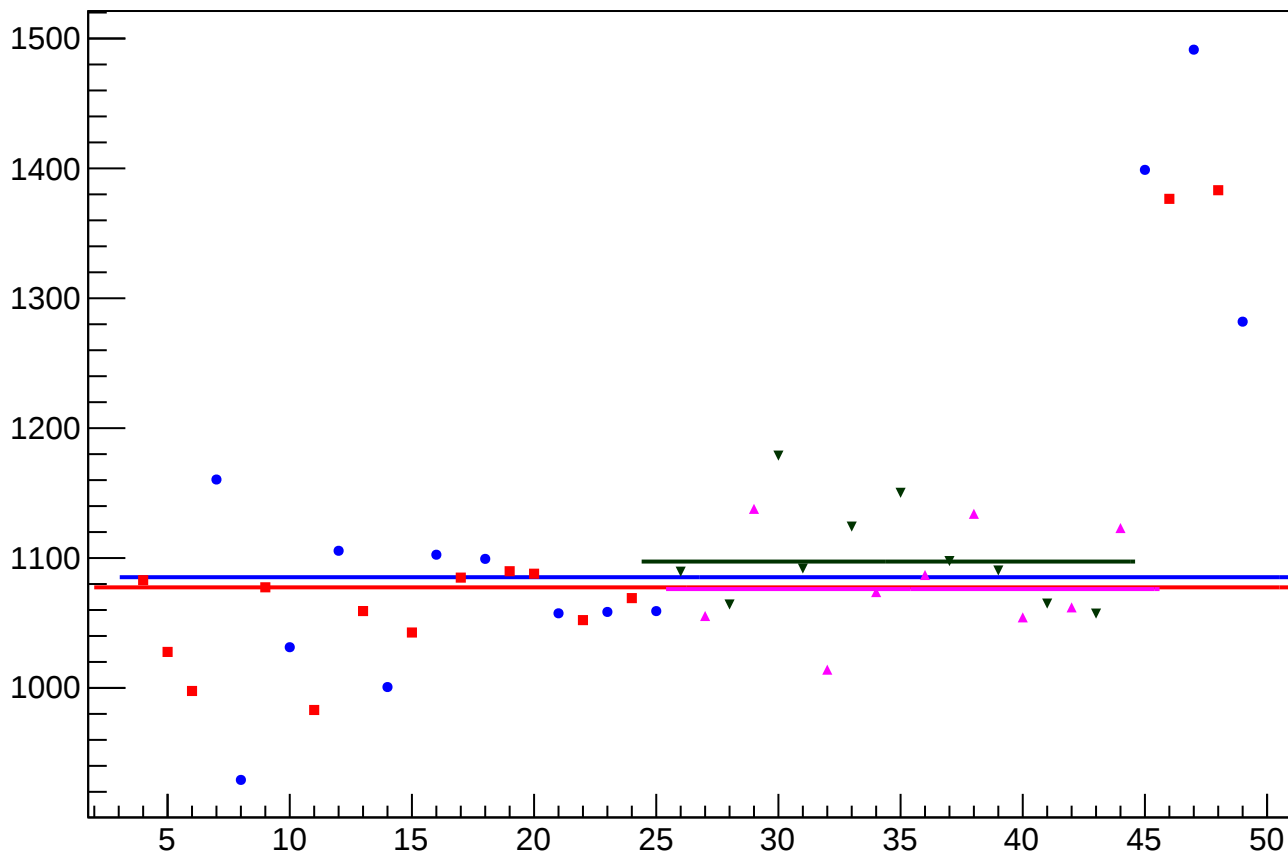
Right Out: 22.431 $\pm$ 0.398 χ^2 /NDF: 7331.0/13

Left In: -42.193 $\pm$ 0.454 χ^2 /NDF: 2243.7/8

-32.072 $\pm$ 0.295 χ^2 /NDF: 39804.0/22

-5.638 $\pm$ 0.299 χ^2 /NDF: 21038.3/22

diff_bpm2i02X_rms vs slug



Right In: 1085.251 $\pm$ 0.266 χ^2 /NDF: 249279.9/12

Left Out: 1097.296 $\pm$ 0.335 χ^2 /NDF:11915.4/9

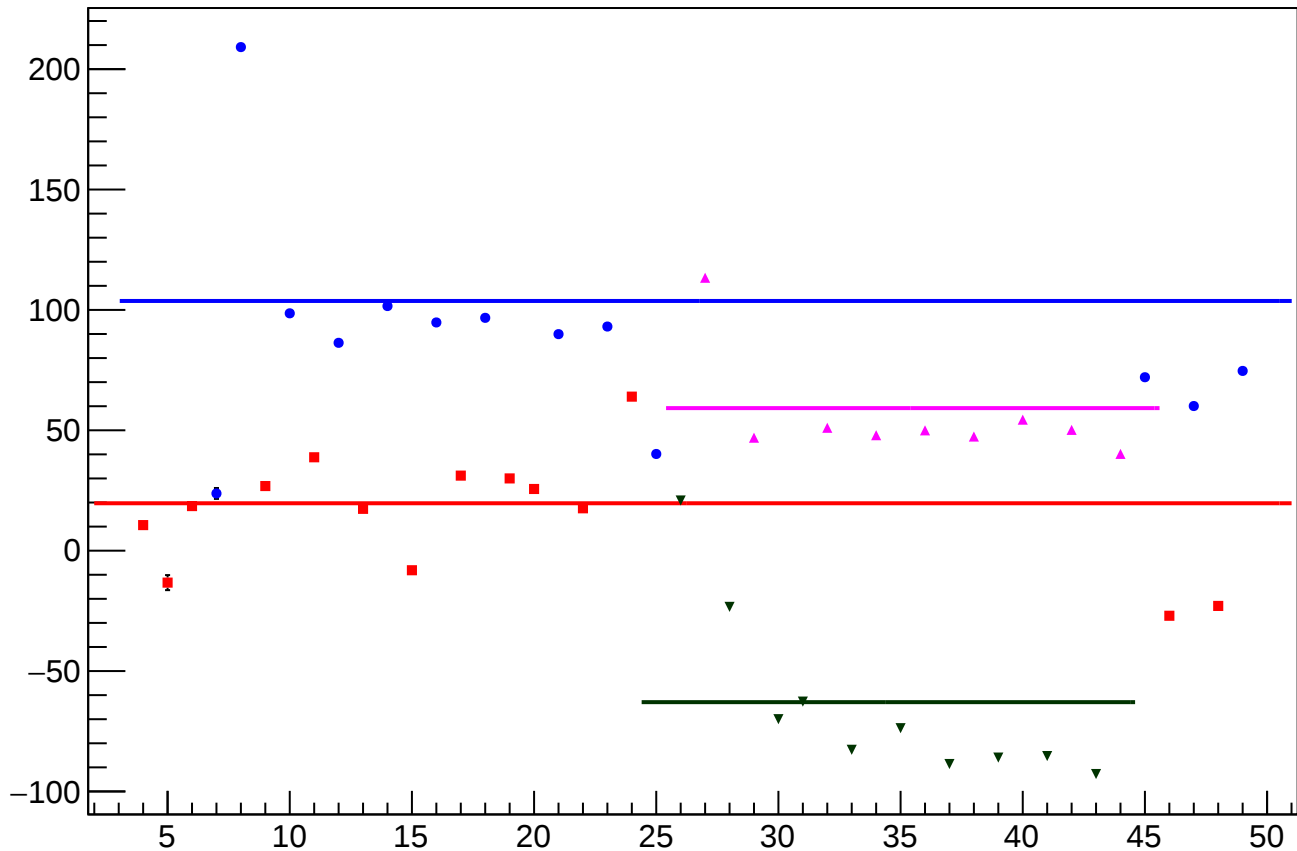
Right Out: 1077.435 $\pm$ 0.281 χ^2 /NDF: 117369.6/13

Left In: 1076.108 $\pm$ 0.321 χ^2 /NDF:17511.2/8

1089.913 $\pm$ 0.208 χ^2 /NDF: 261988.5/22

1076.858 $\pm$ 0.212 χ^2 /NDF: 134890.5/22

diff_bpm2i02Y_mean vs slug



Right In: 103.717 $\pm$ 0.379 χ^2 /NDF: 14815.8/12

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

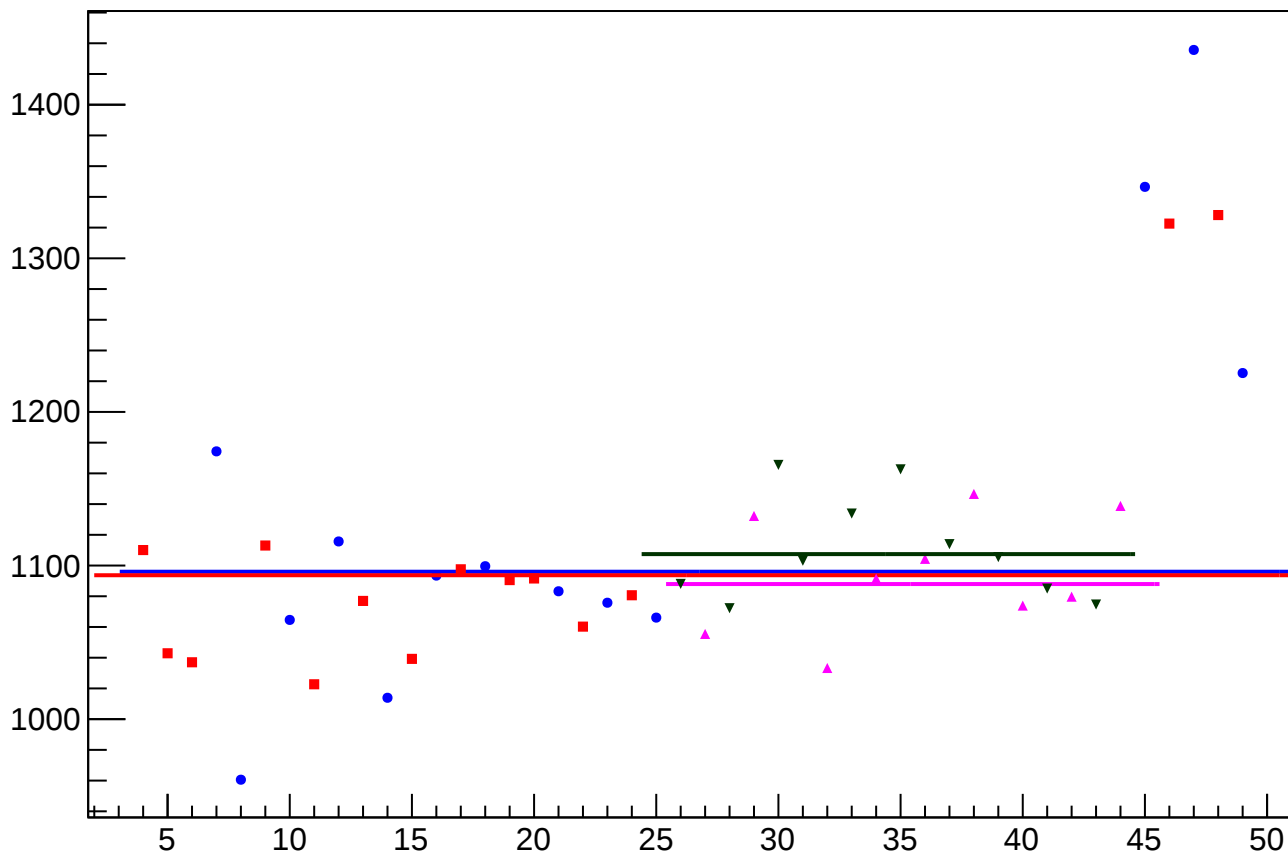
Right Out: 19.695 $\pm$ 0.403 χ^2 /NDF: 3072.6/13

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

39.321 $\pm$ 0.297 χ^2 /NDF: 94776.2/22

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

diff_bpm2i02Y_rms vs slug



Right In: 1095.978 ± 0.268 χ^2/NDF : 170110.3/12

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

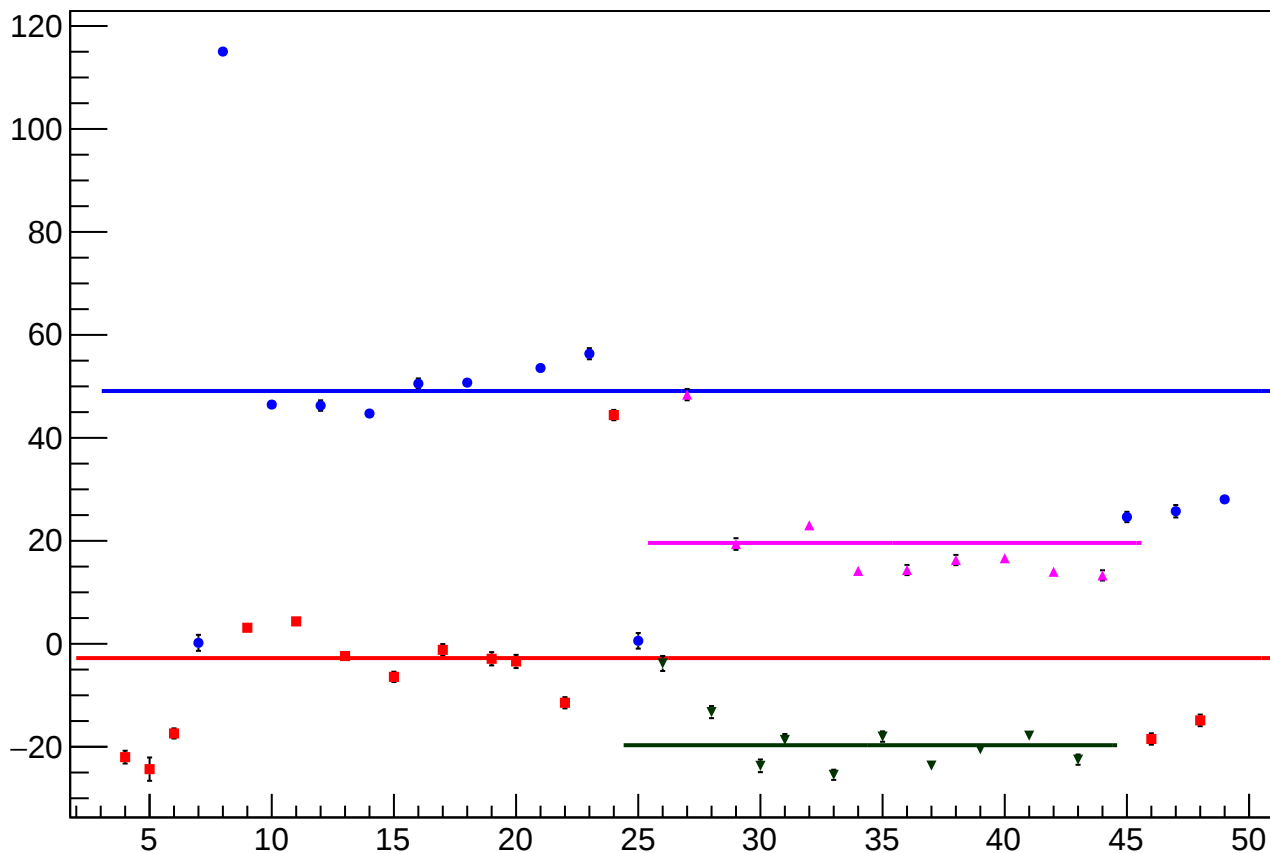
Right Out: 1093.687 ± 0.285 χ^2/NDF : 75930.6/13

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

1100.407 ± 0.210 χ^2/NDF : 179719.3/22

1091.186 ± 0.214 χ^2/NDF : 90513.1/22

diff_bpm1i04X_mean vs slug



Right In: 49.105 $\pm$ 0.265 χ^2 /NDF: 11379.7/12

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

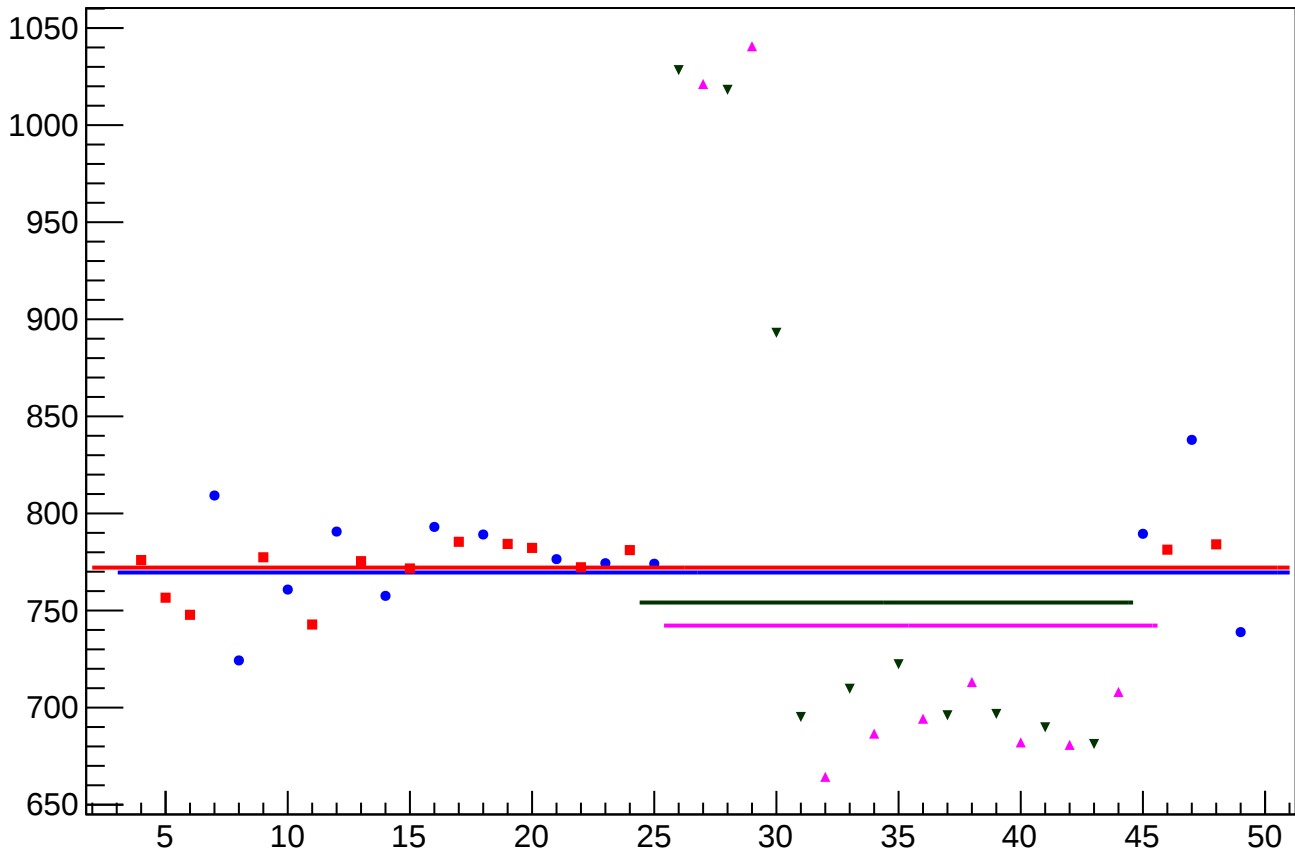
Right Out: -2.774 $\pm$ 0.284 χ^2 /NDF: 3271.3/13

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

22.083 $\pm$ 0.206 χ^2 /NDF: 38125.2/22

7.178 $\pm$ 0.211 χ^2 /NDF: 6898.1/22

diff_bpm1i04X_rms vs slug



Right In: 769.585+/-0.187 χ^2/NDF : 22334.2/12

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

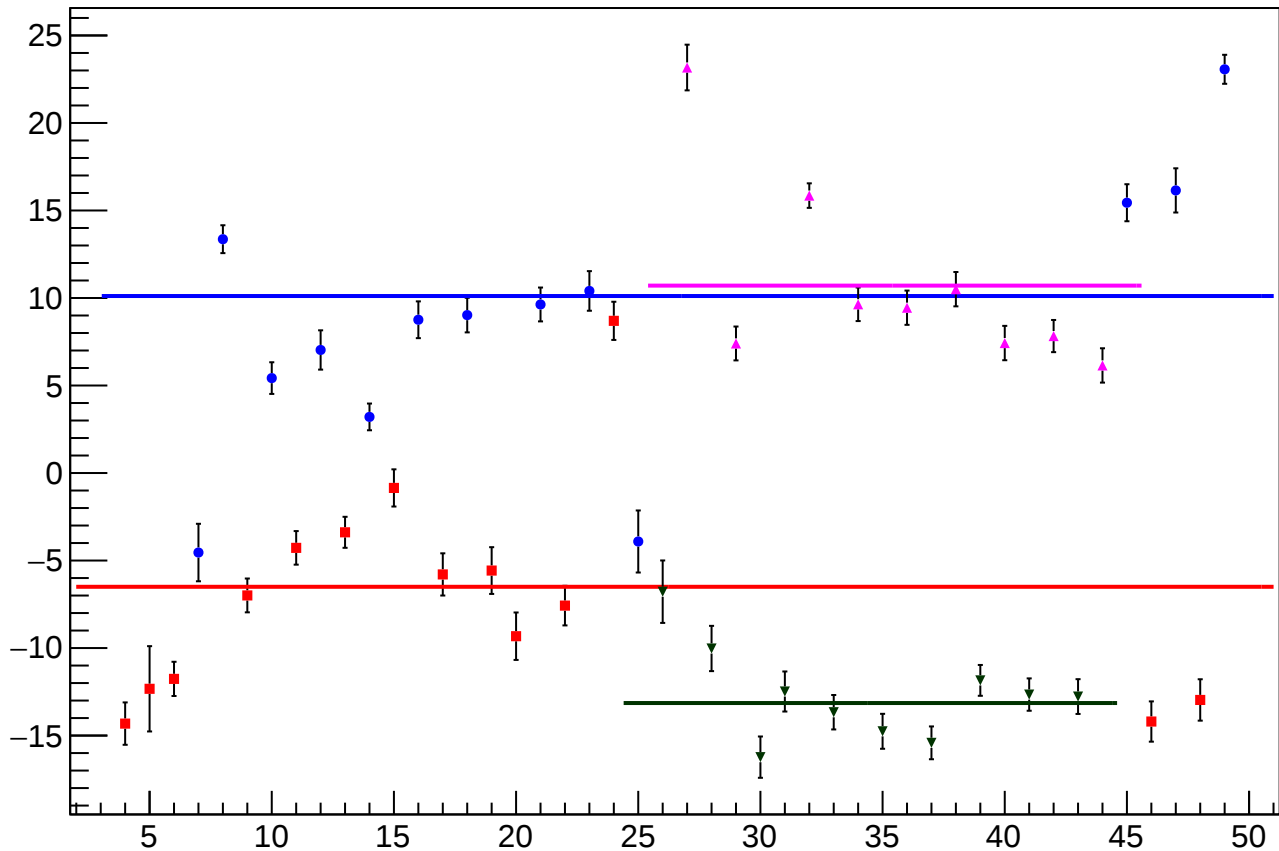
Right Out: 772.117+/-0.201 χ^2/NDF : 4676.6/13

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

763.511+/-0.146 χ^2/NDF : 269510.5/22

758.824+/-0.150 χ^2/NDF : 338568.9/22

diff_bpm1i04Y_mean vs slug



Right In: 10.113+/-0.280 χ^2/NDF : 571.1/12

Left Out: -13.411+/-0.333 χ^2/NDF : 37.1/9

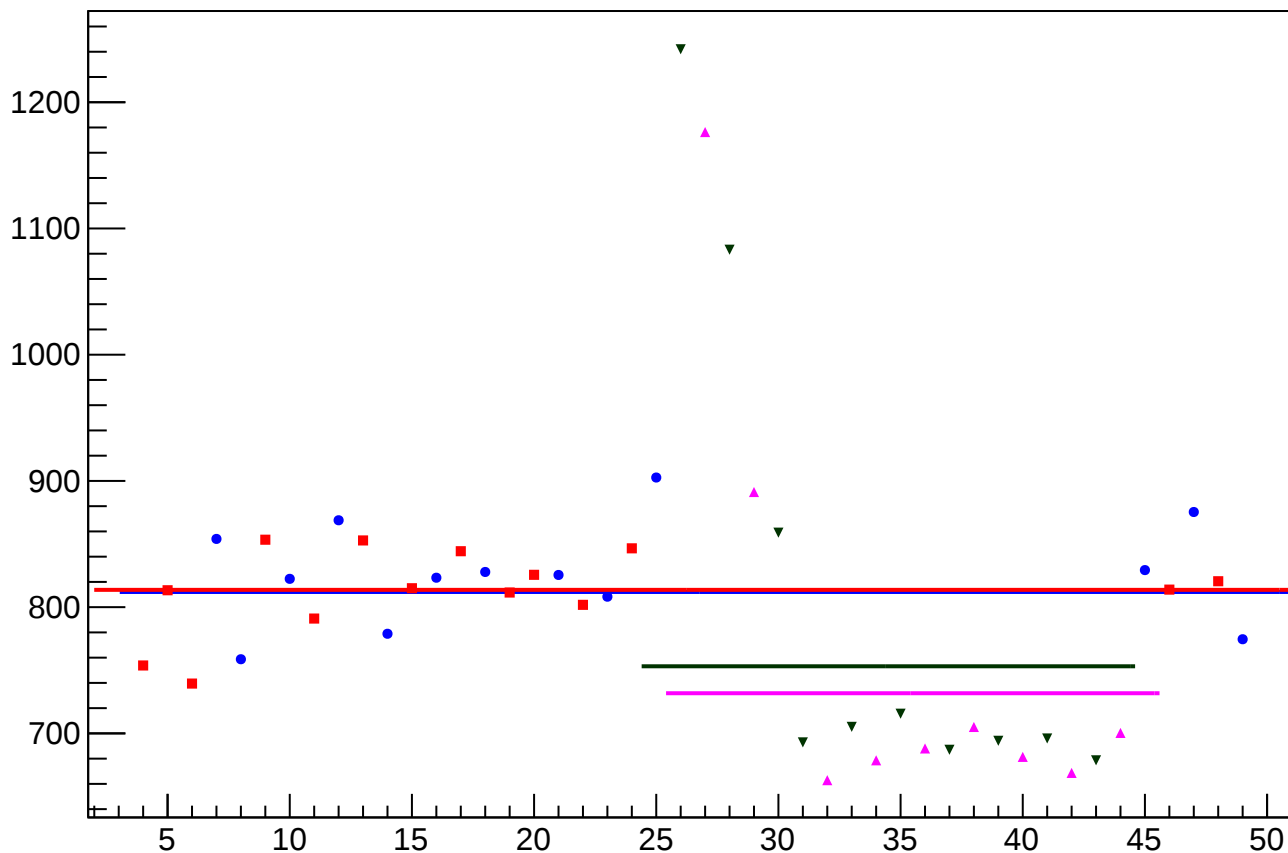
Right Out: -6.500+/-0.300 χ^2/NDF : 397.4/13

Left In: 10.708+/-0.314 χ^2/NDF : 202.2/8

0.468+/-0.214 χ^2/NDF : 3468.9/22

1.709+/-0.217 χ^2/NDF : 2167.6/22

diff_bpm1i04Y_rms vs slug



Right In: 812.038 $\pm$ 0.198 χ^2 /NDF: 35454.1/12

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

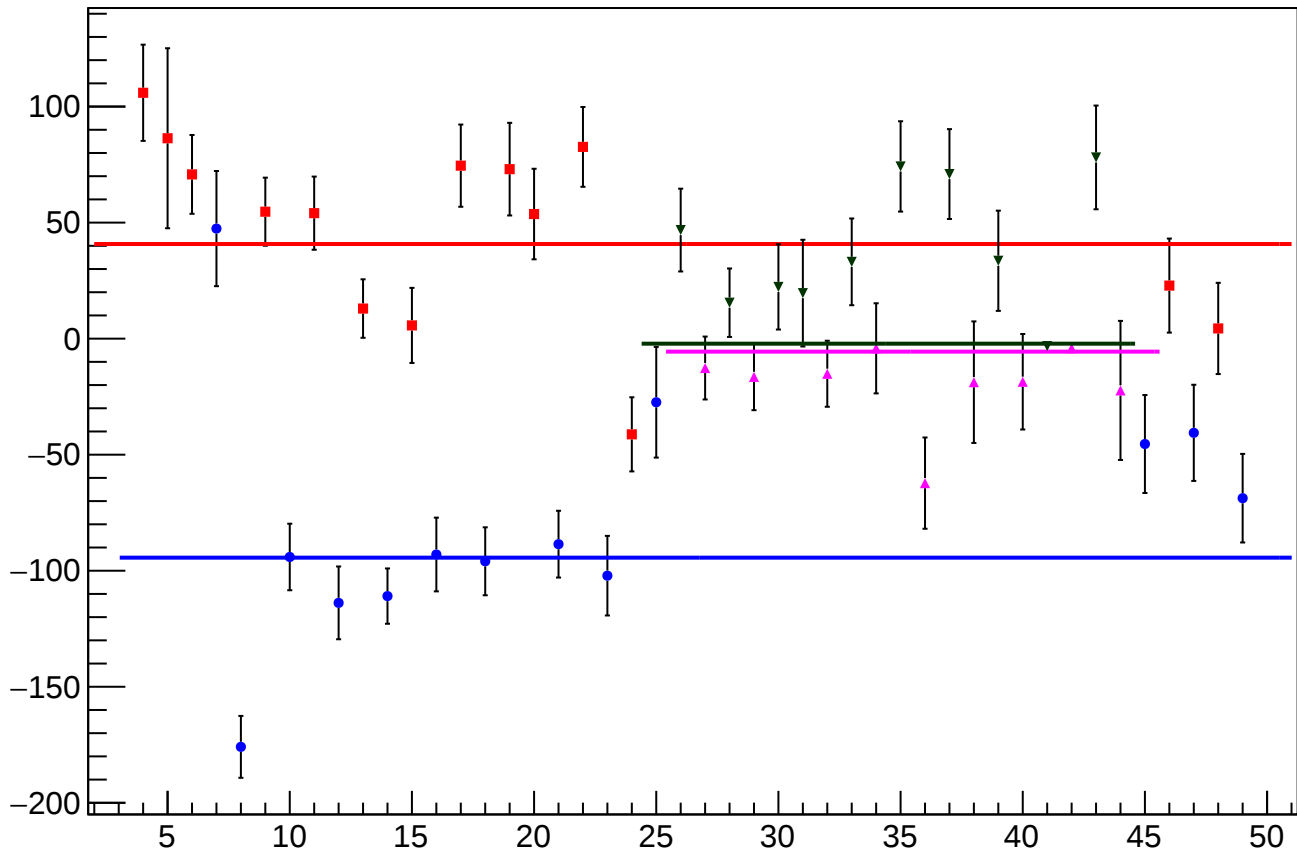
Right Out: 813.710 $\pm$ 0.212 χ^2 /NDF: 28402.9/13

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

787.618 $\pm$ 0.151 χ^2 /NDF: 419587.9/22

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

diff_bpm0l02X_mean vs slug



Right In: -94.368 ± 4.510 $\chi^2/\text{NDF}: 95.7/12$

Left Out: -2.165 ± 0.972 $\chi^2/\text{NDF}: 61.6/9$

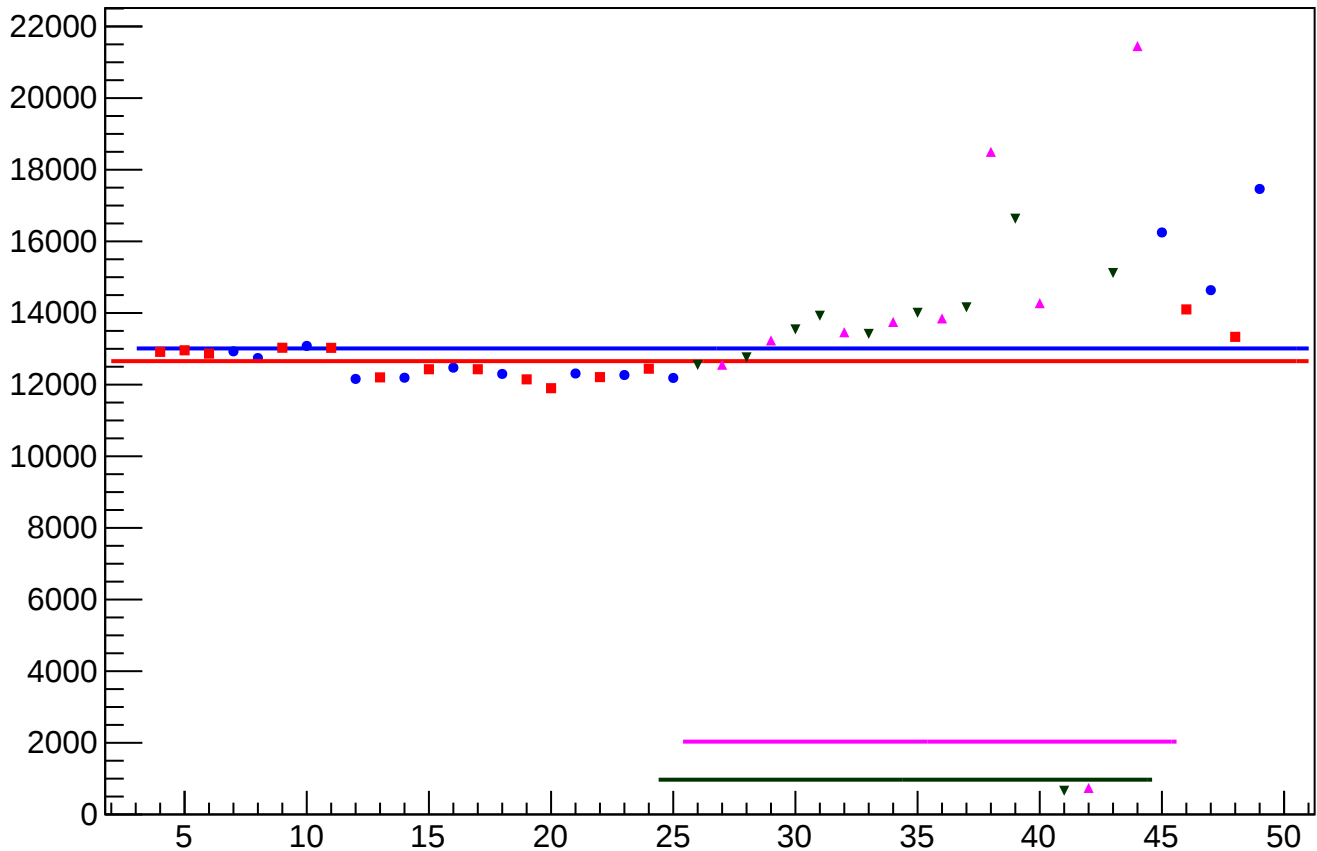
Right Out: 40.773 ± 4.667 $\chi^2/\text{NDF}: 68.8/13$

Left In: -5.599 ± 1.958 $\chi^2/\text{NDF}: 11.1/8$

-6.256 ± 0.950 $\chi^2/\text{NDF}: 556.8/22$

1.342 ± 1.806 $\chi^2/\text{NDF}: 163.8/22$

diff_bpm0l02X_rms vs slug



Right In: 13010.341+/-3.189 χ^2/NDF : 202326.4/12

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

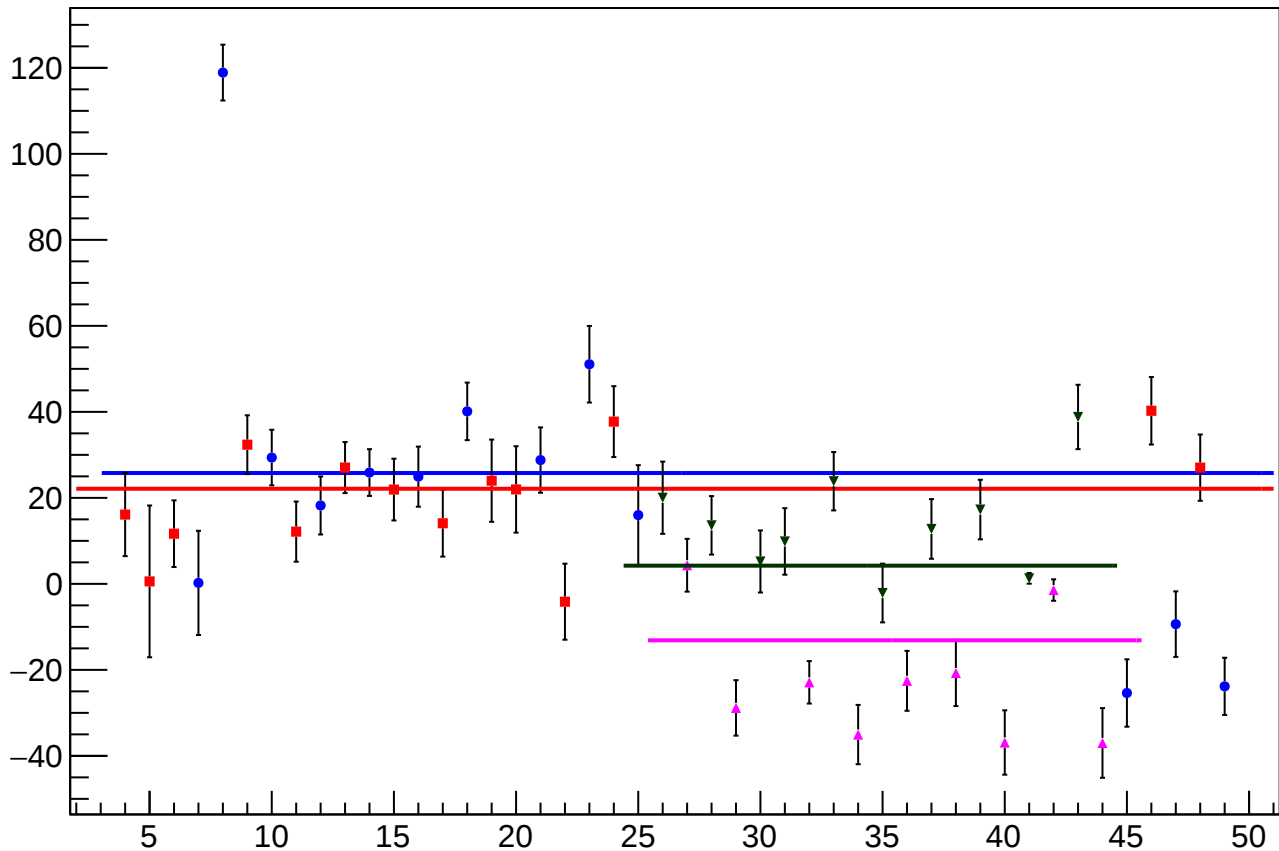
1504.791+/-0.672 χ^2/NDF : 22279811.1/22

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

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

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

diff_bpm0l02Y_mean vs slug



Right In: 25.778 $\pm$ 2.014 χ^2 /NDF: 344.7/12

Left Out: 4.234 $\pm$ 1.105 χ^2 /NDF: 47.2/9

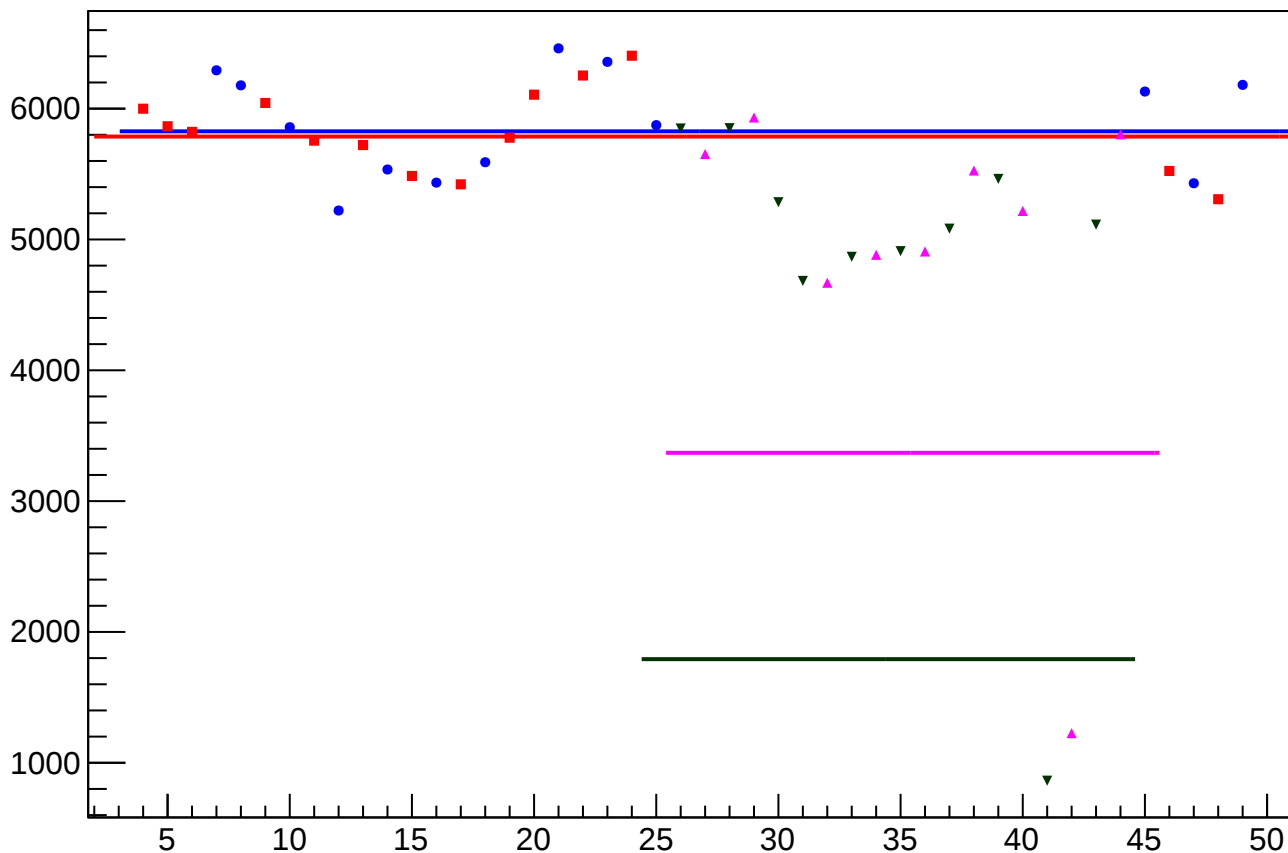
Right Out: 22.121 $\pm$ 2.141 χ^2 /NDF: 27.9/13

Left In: -13.126 $\pm$ 1.704 χ^2 /NDF: 71.6/8

9.221 $\pm$ 0.969 χ^2 /NDF: 479.9/22

0.545 $\pm$ 1.333 χ^2 /NDF: 265.5/22

diff_bpm0l02Y_rms vs slug



Right In: 5826.417 $\pm$ 1.424 χ^2 /NDF: 74747.6/12

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

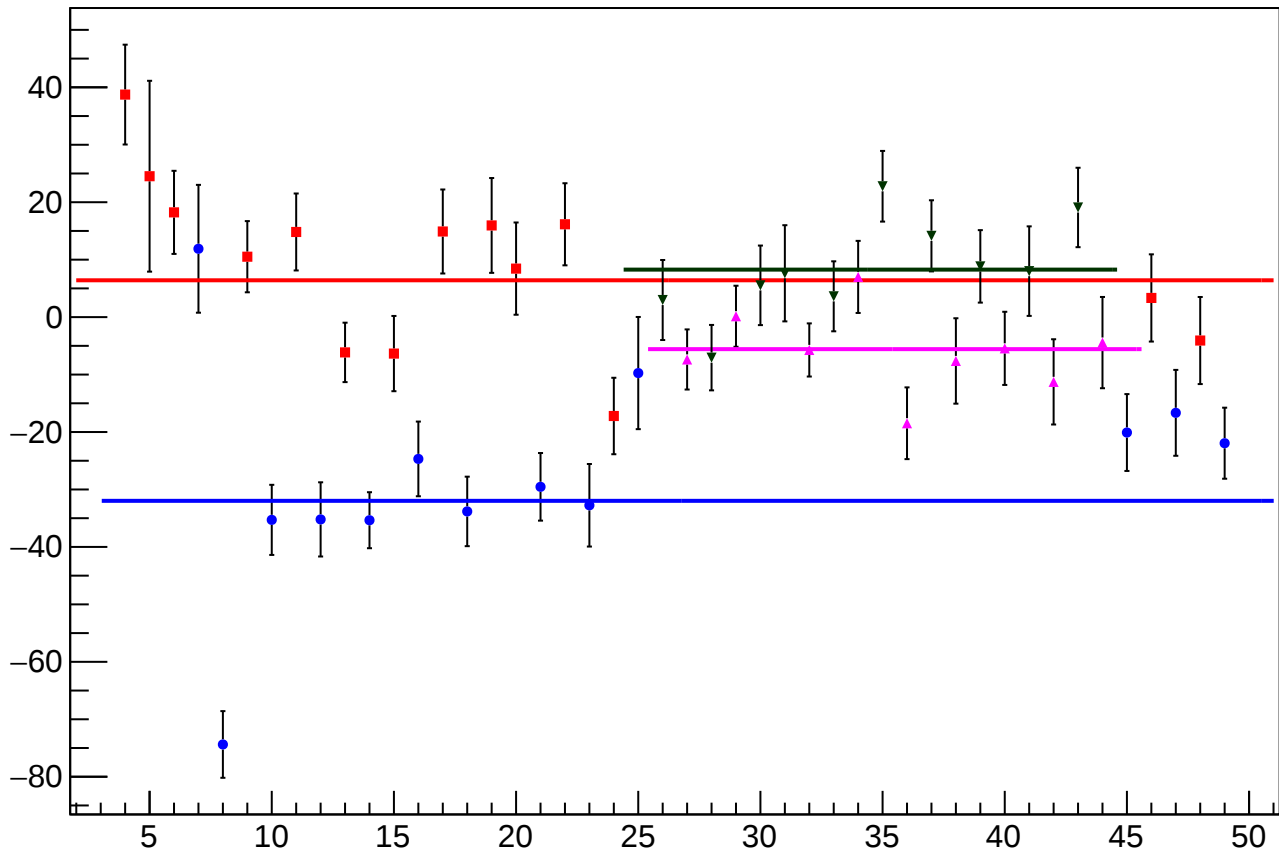
Right Out: 5786.664 $\pm$ 1.514 χ^2 /NDF: 40912.1/13

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

2725.917 $\pm$ 0.685 χ^2 /NDF: 11514023.0/22

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

diff_bpm0l03X_mean vs slug



Right In: -31.978 ± 1.805 χ^2/NDF : 86.7/12

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

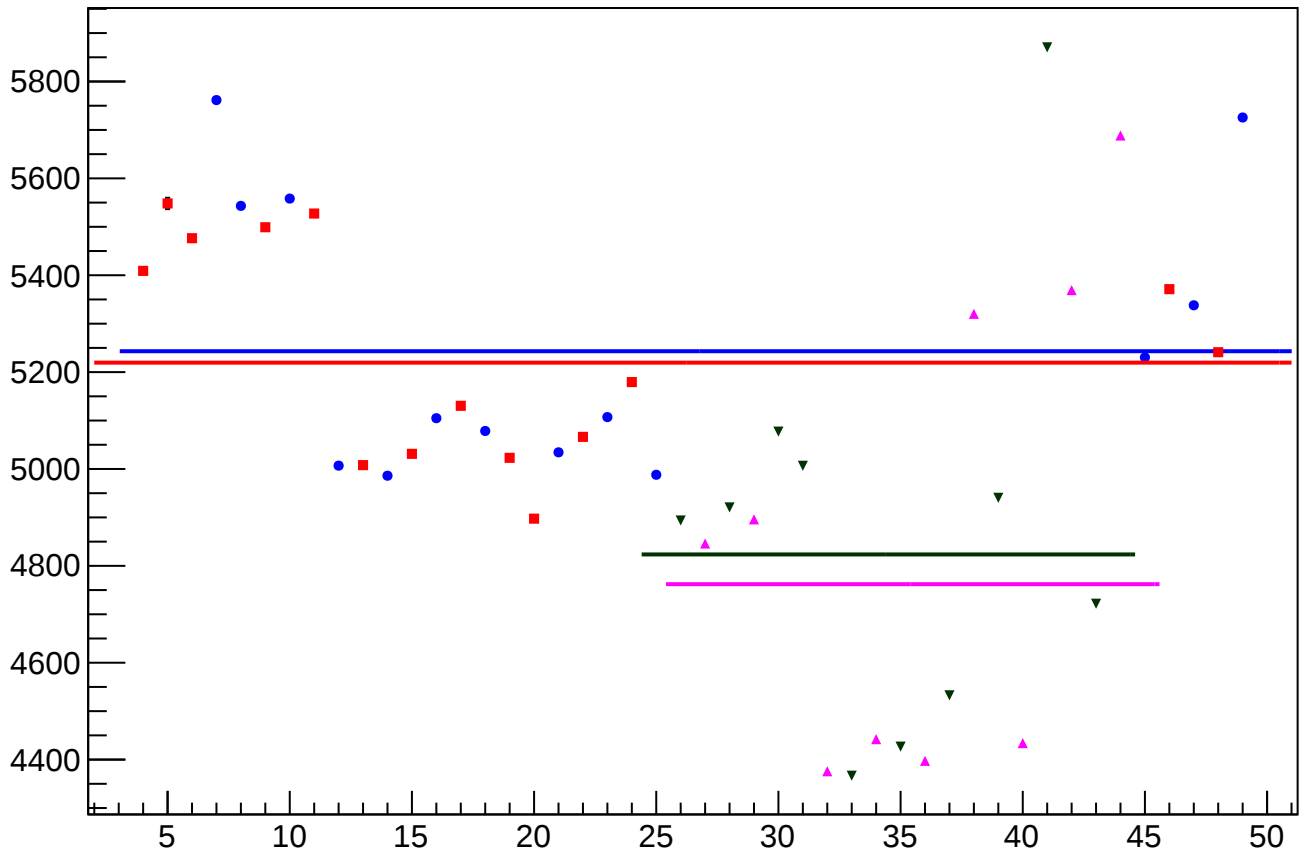
Right Out: 6.410 ± 1.921 χ^2/NDF : 48.7/13

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

-14.795 ± 1.367 χ^2/NDF : 316.4/22

0.700 ± 1.390 χ^2/NDF : 77.5/22

diff_bpm0l03X_rms vs slug



Right In: 5243.135+/-1.276 χ^2/NDF : 42766.2/12

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

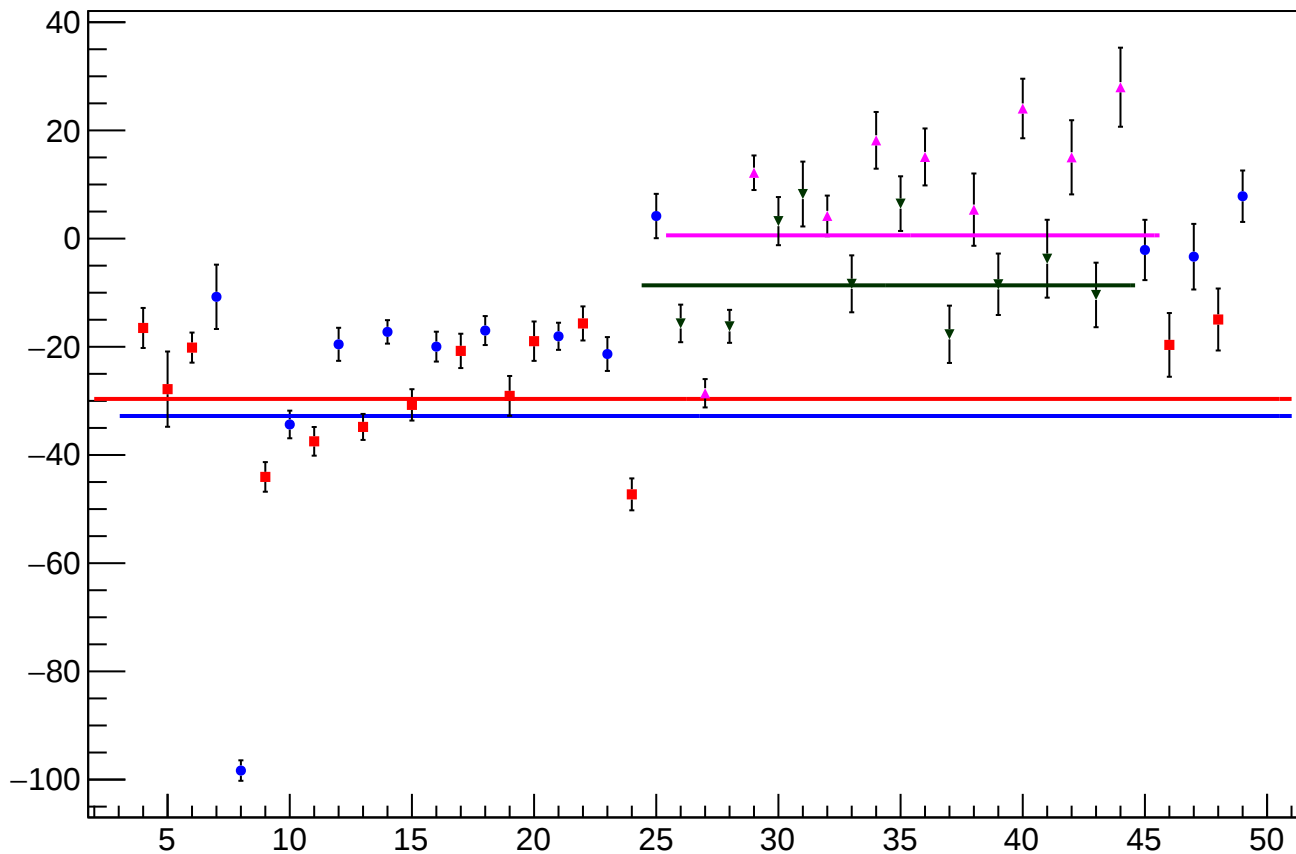
Right Out: 5219.575+/-1.359 χ^2/NDF : 24013.2/13

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

5064.007+/-0.966 χ^2/NDF : 154526.7/22

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

diff_bpm0l03Y_mean vs slug



Right In: -32.791 $\pm$ 0.823 χ^2 /NDF: 1595.6/12

Left Out: -8.640 $\pm$ 1.477 χ^2 /NDF: 37.8/9

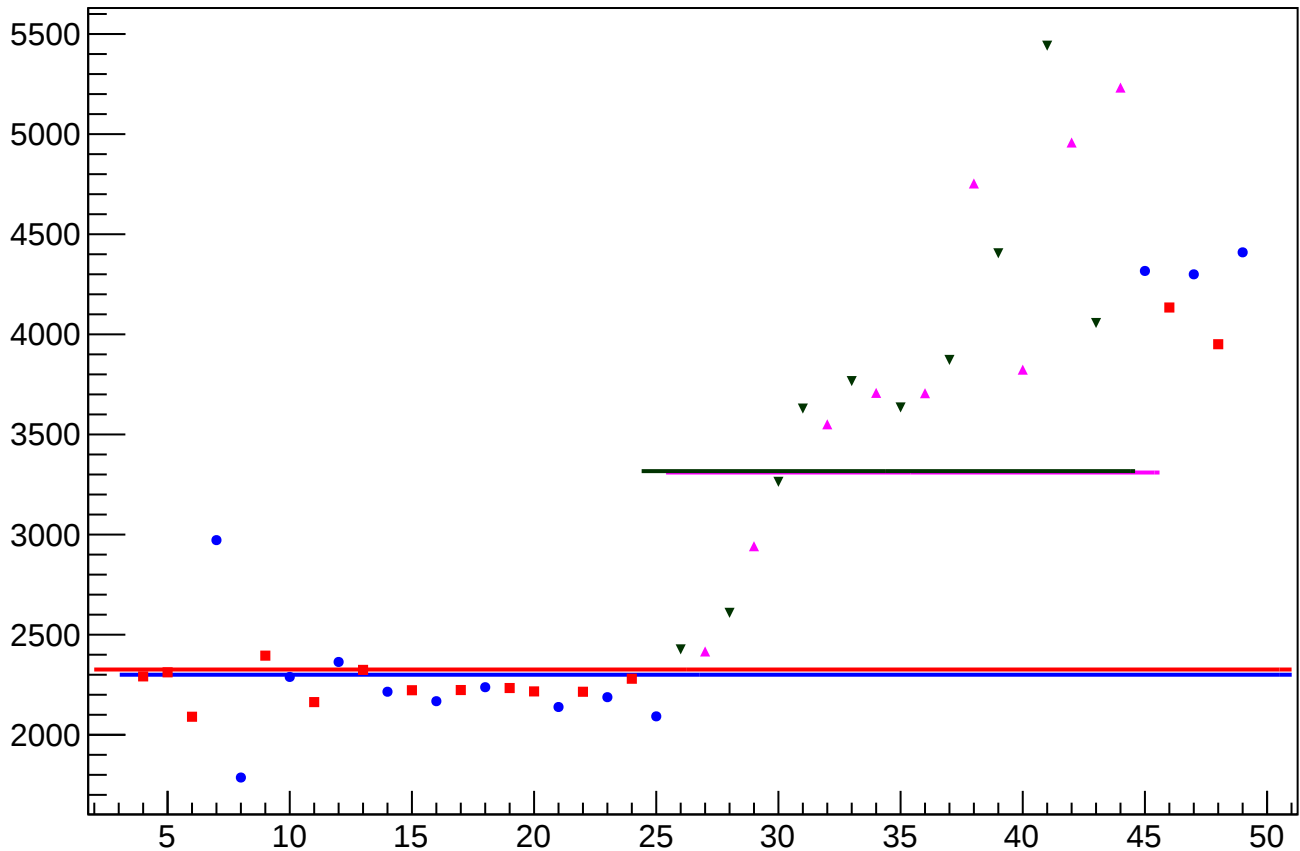
Right Out: -29.636 $\pm$ 0.872 χ^2 /NDF: 146.8/13

Left In: 0.601 $\pm$ 1.440 χ^2 /NDF: 194.1/8

-27.067 $\pm$ 0.719 χ^2 /NDF: 1837.4/22

-21.518 $\pm$ 0.746 χ^2 /NDF: 663.5/22

diff_bpm0l03Y_rms vs slug



Right In: 2300.055+/-0.582 χ^2/NDF : 1071713.4/12

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

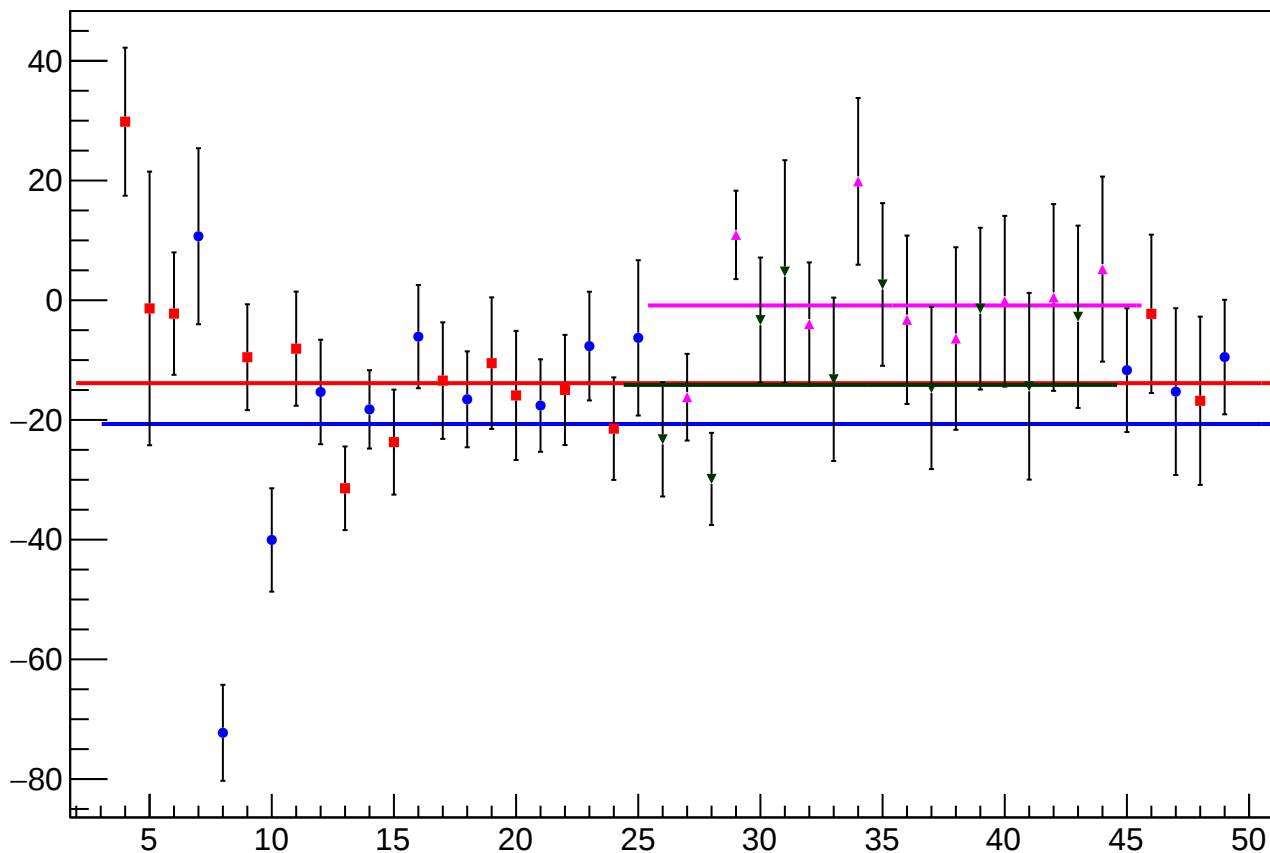
Right Out: 2326.067+/-0.617 χ^2/NDF : 383337.9/13

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

2541.058+/-0.509 χ^2/NDF : 2362876.8/22

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

diff_bpm0l04X_mean vs slug



Right In: -20.679 ± 2.505 $\chi^2/\text{NDF}: 60.3/12$

Left Out: -14.150 ± 3.779 $\chi^2/\text{NDF}: 10.2/9$

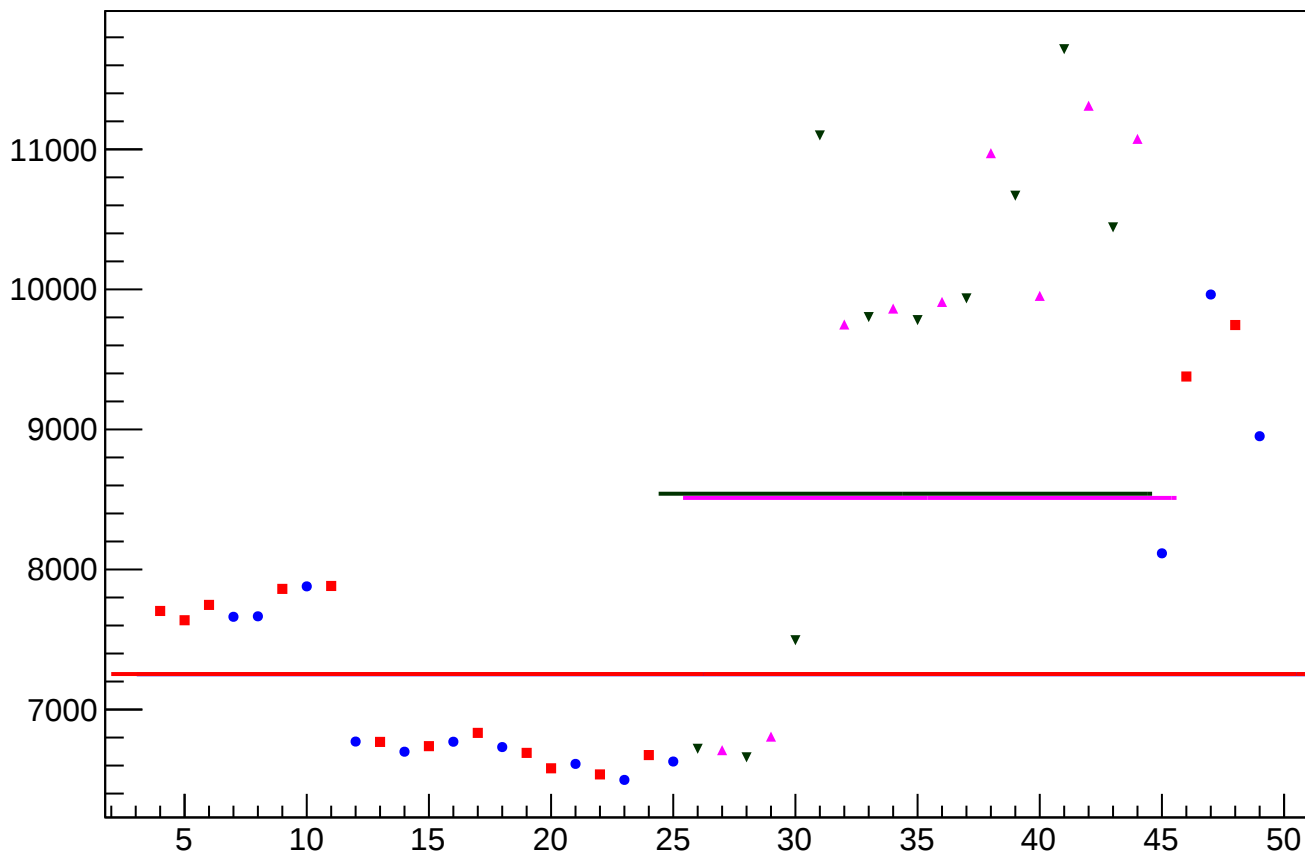
Right Out: -13.848 ± 2.683 $\chi^2/\text{NDF}: 24.0/13$

Left In: -0.870 ± 3.662 $\chi^2/\text{NDF}: 9.7/8$

-18.686 ± 2.088 $\chi^2/\text{NDF}: 72.6/22$

-9.315 ± 2.164 $\chi^2/\text{NDF}: 41.8/22$

diff_bpm0l04X_rms vs slug



Right In: 7251.961+/-1.772 χ^2/NDF : 237375.7/12

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

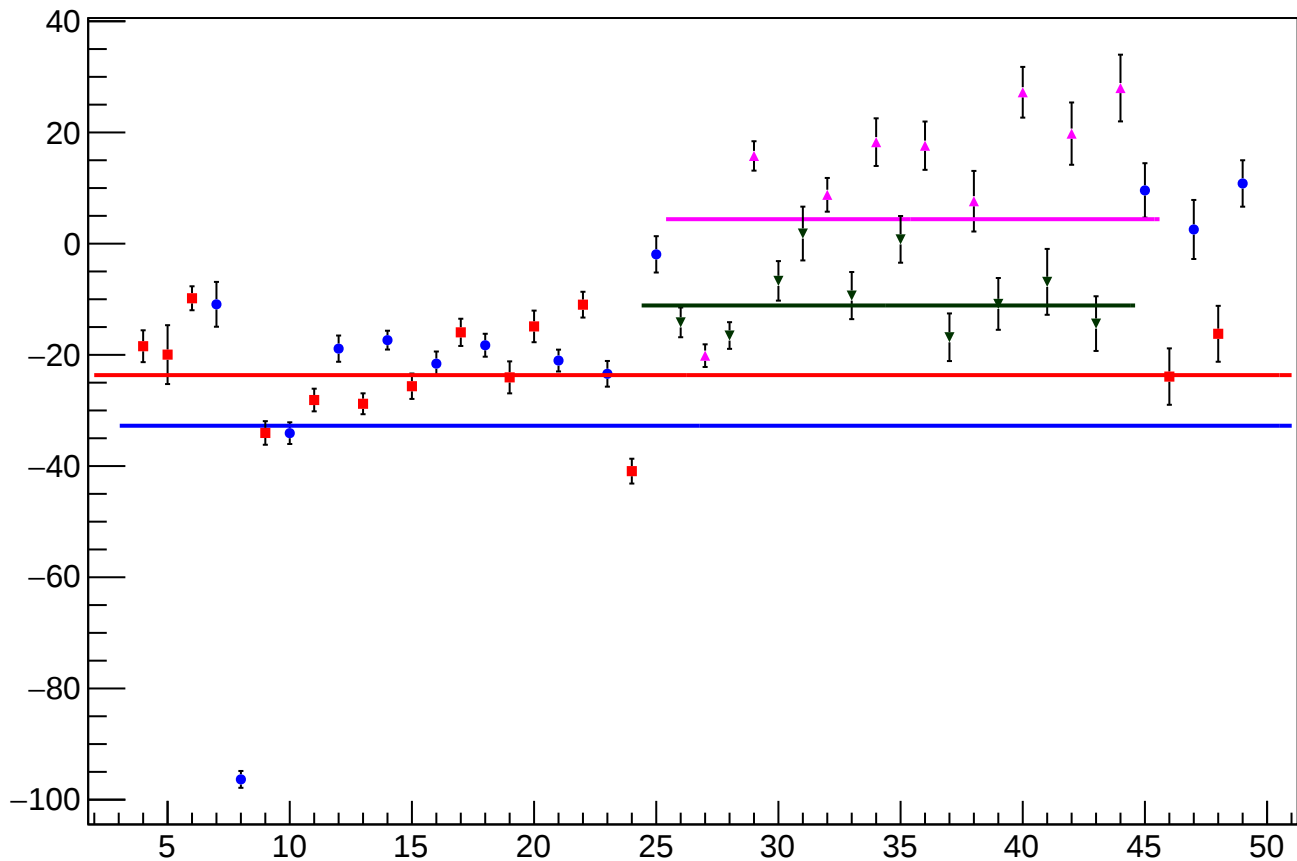
Right Out: 7253.482+/-1.897 χ^2/NDF : 194976.1/13

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

7645.548+/-1.477 χ^2/NDF : 867724.2/22

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

diff_bpm0l04Y_mean vs slug



Right In: -32.747 $\pm$ 0.644 χ^2 /NDF: 2358.5/12

Left Out: -11.117 $\pm$ 1.180 χ^2 /NDF:26.0/9

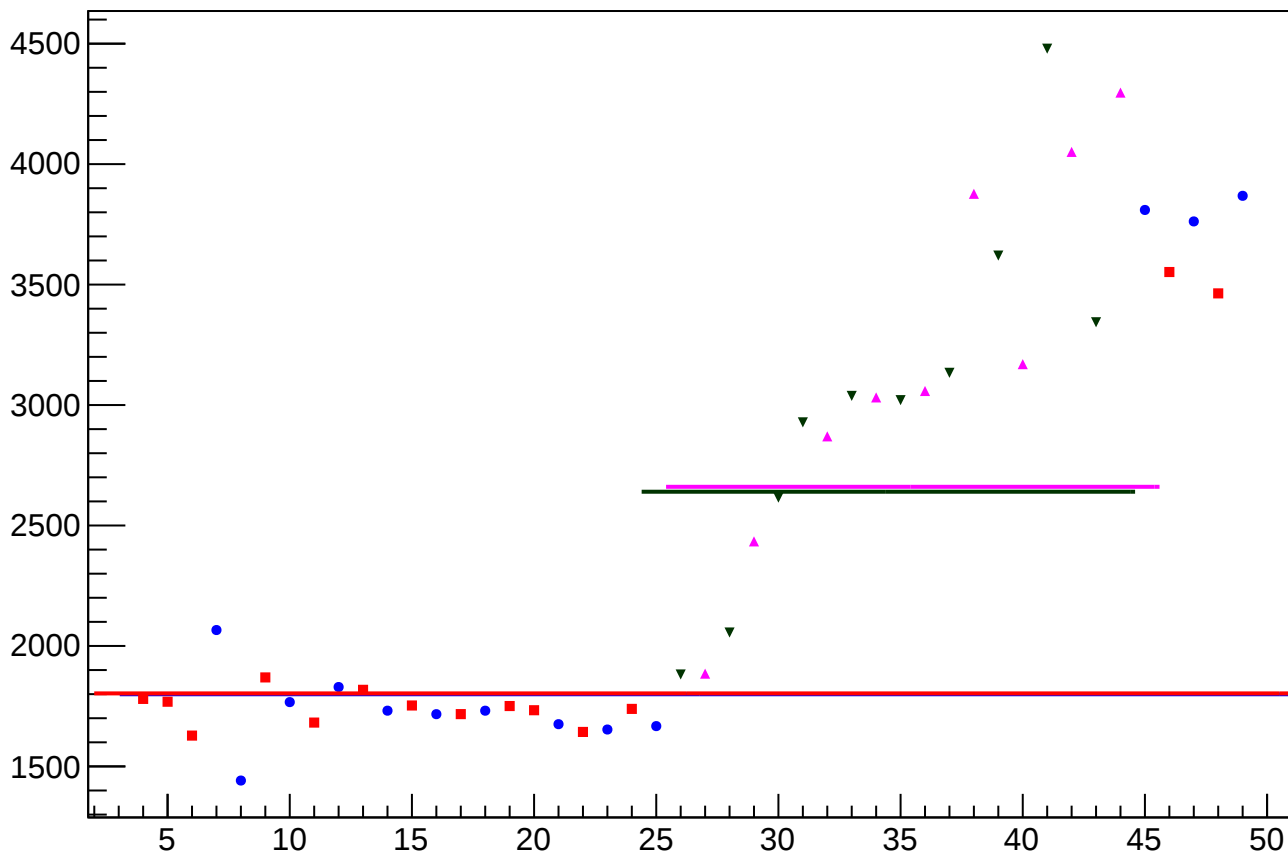
Right Out: -23.644 $\pm$ 0.676 χ^2 /NDF: 193.4/13

Left In: 4.400 $\pm$ 1.161 χ^2 /NDF:233.8/8

-27.779 $\pm$ 0.565 χ^2 /NDF: 2643.3/22

-16.547 $\pm$ 0.584 χ^2 /NDF: 862.6/22

diff_bpm0l04Y_rms vs slug



Right In: 1799.466+/-0.456 χ^2/NDF : 1251225.8/12

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

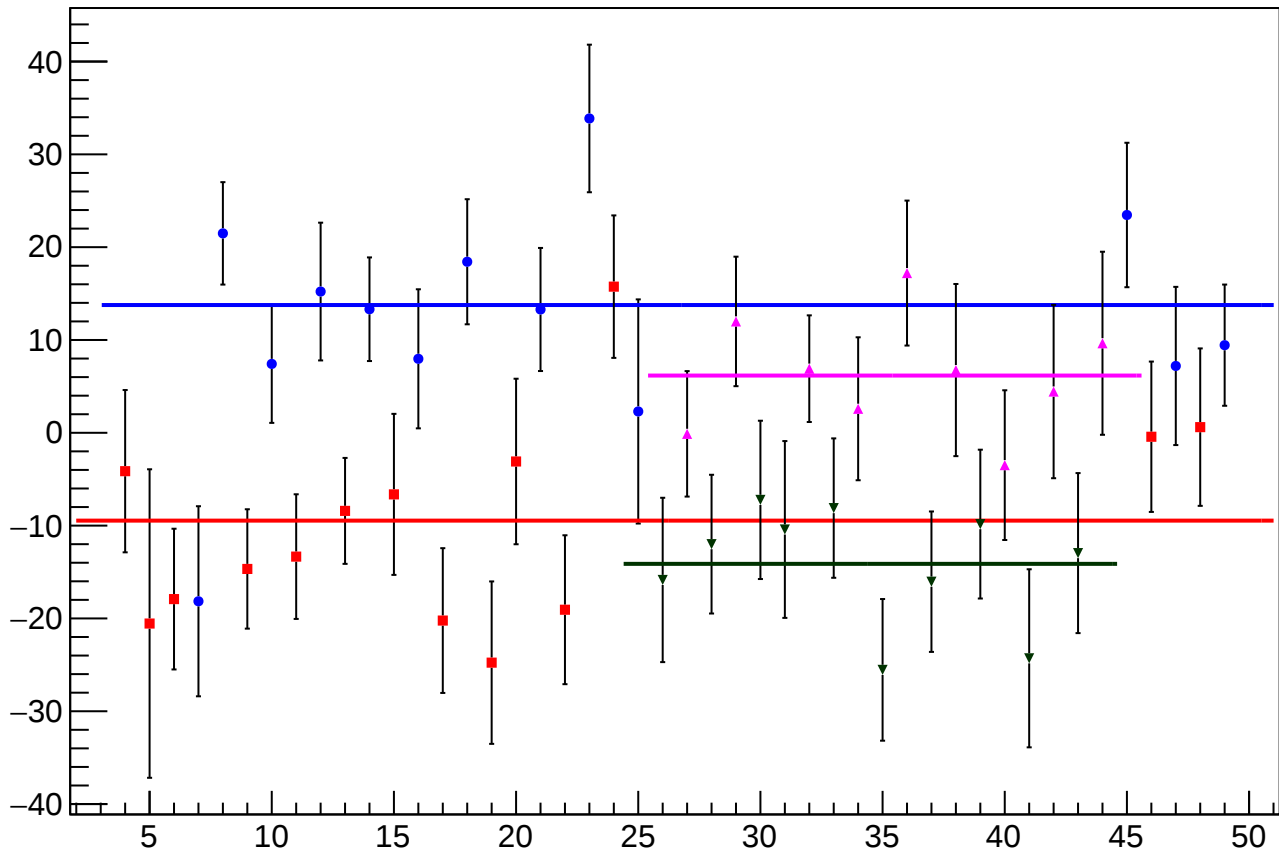
Right Out: 1803.083+/-0.478 χ^2/NDF : 494936.7/13

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

1992.570+/-0.400 χ^2/NDF : 2702878.3/22

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

diff_bpm0l05X_mean vs slug



Right In: 13.766 $\pm$ 1.975 χ^2 /NDF: 23.7/12

Left Out: -14.120 $\pm$ 2.602 χ^2 /NDF: 5.3/9

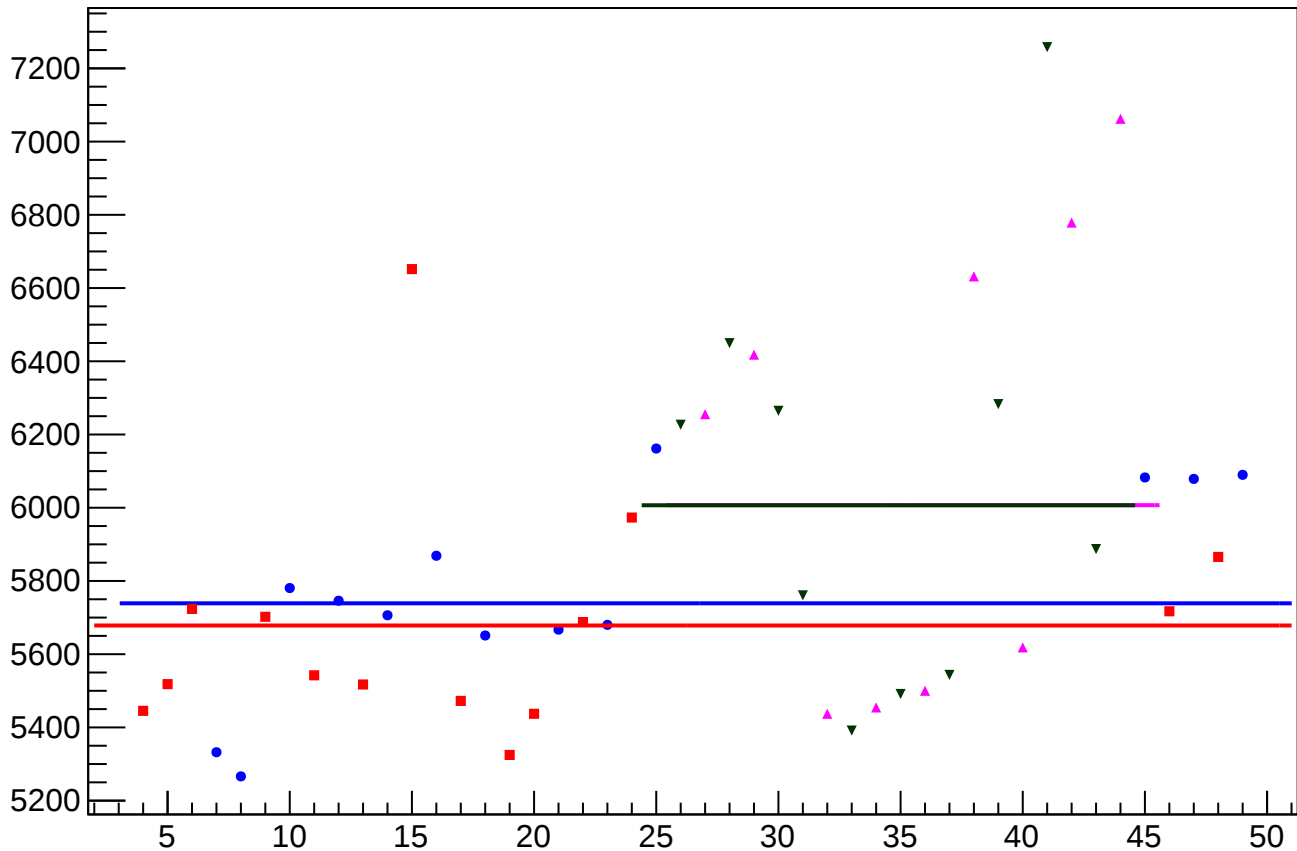
Right Out: -9.461 $\pm$ 2.093 χ^2 /NDF: 23.5/13

Left In: 6.168 $\pm$ 2.542 χ^2 /NDF: 5.4/8

3.574 $\pm$ 1.573 χ^2 /NDF: 101.8/22

-3.146 $\pm$ 1.616 χ^2 /NDF: 51.5/22

diff_bpm0l05X_rms vs slug



Right In: 5738.998+/-1.396 χ^2/NDF : 34578.0/12

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

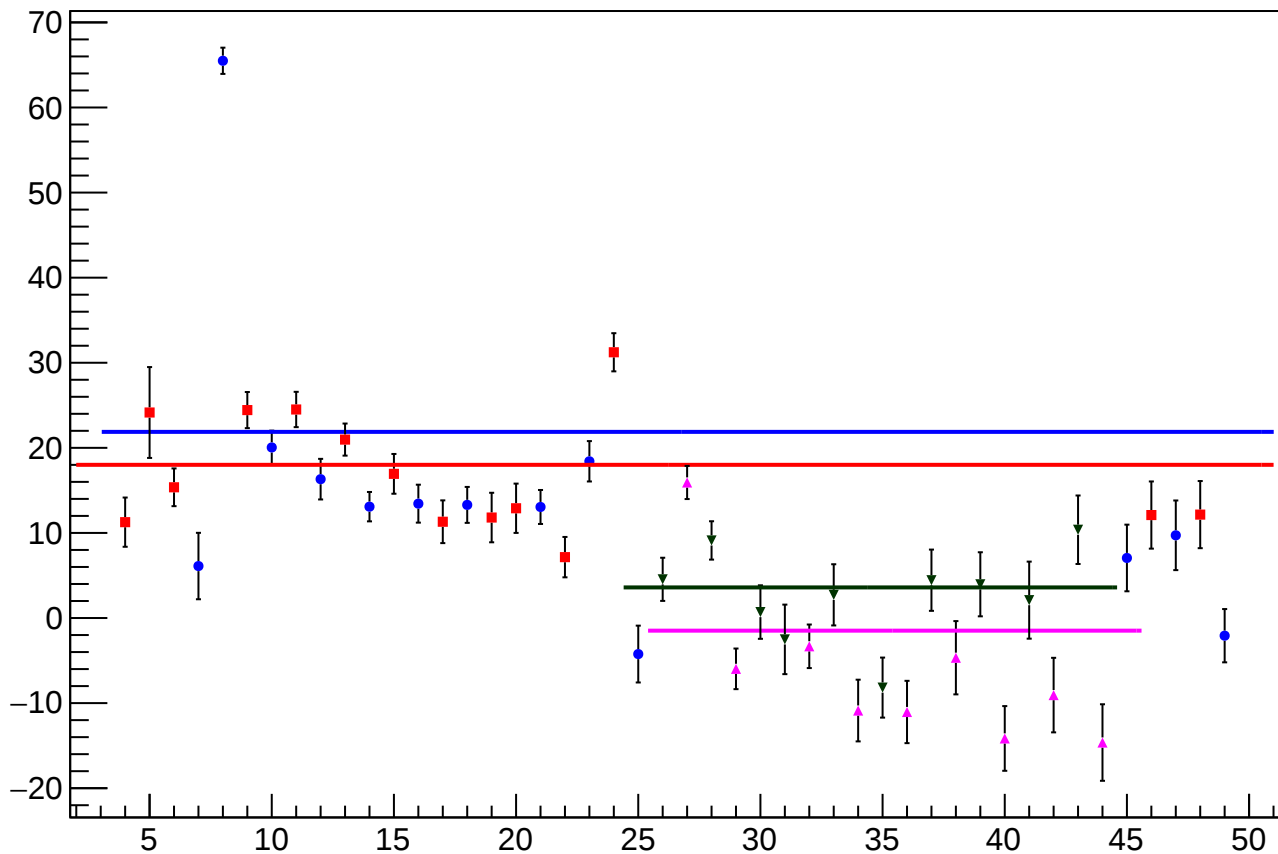
Right Out: 5678.426+/-1.480 χ^2/NDF : 39399.5/13

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

5836.855+/-1.112 χ^2/NDF : 126264.8/22

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

diff_bpm0l05Y_mean vs slug



Right In: 21.877 ± 0.642 $\chi^2/\text{NDF}: 1044.2/12$

Left Out: 3.596 ± 1.037 $\chi^2/\text{NDF}: 23.4/9$

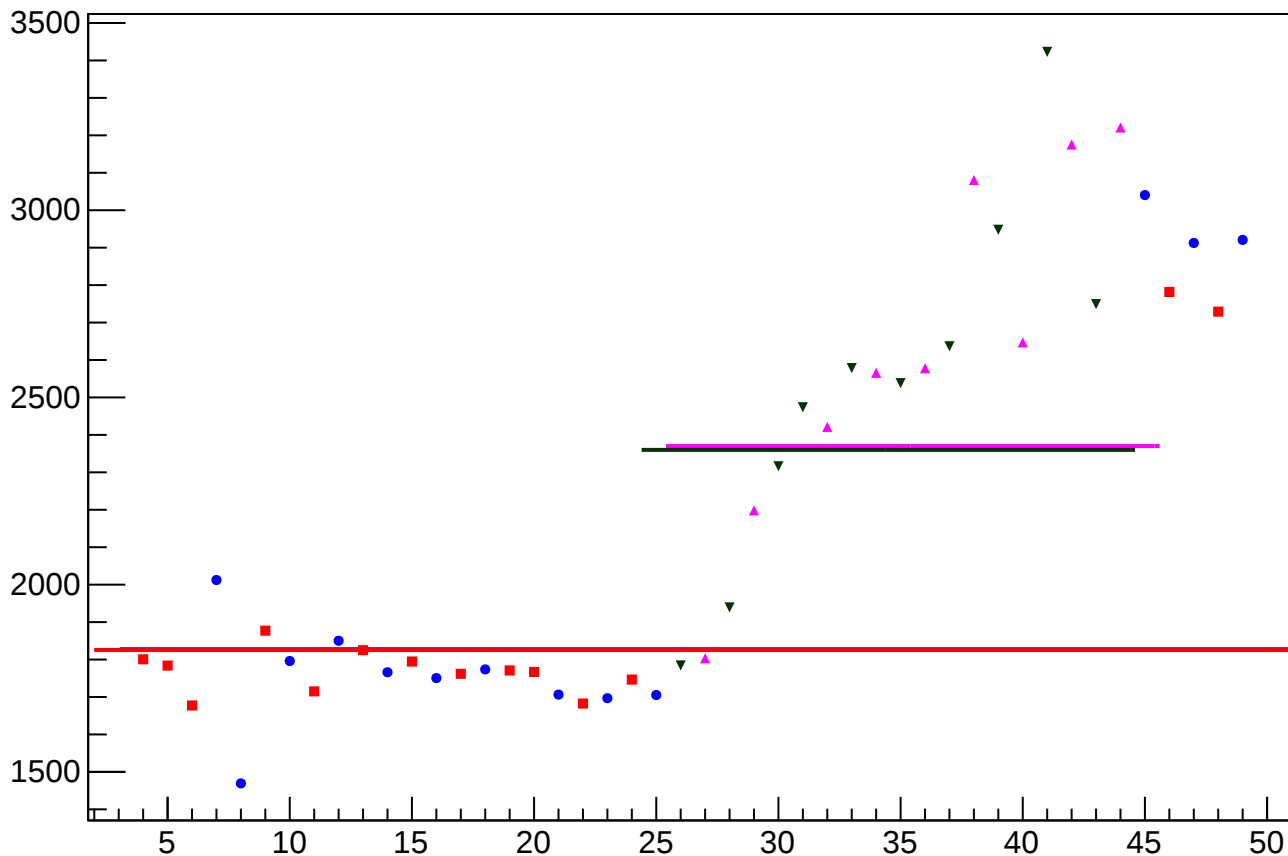
Right Out: 18.004 ± 0.678 $\chi^2/\text{NDF}: 104.7/13$

Left In: -1.484 ± 1.017 $\chi^2/\text{NDF}: 120.7/8$

16.810 ± 0.546 $\chi^2/\text{NDF}: 1292.1/22$

12.010 ± 0.564 $\chi^2/\text{NDF}: 479.7/22$

diff_bpm0l05Y_rms vs slug



Right In: 1827.540+/-0.454 χ^2/NDF : 711798.9/12

Left Out: 2359.972+/-0.733 χ^2/NDF : 376681.6/9

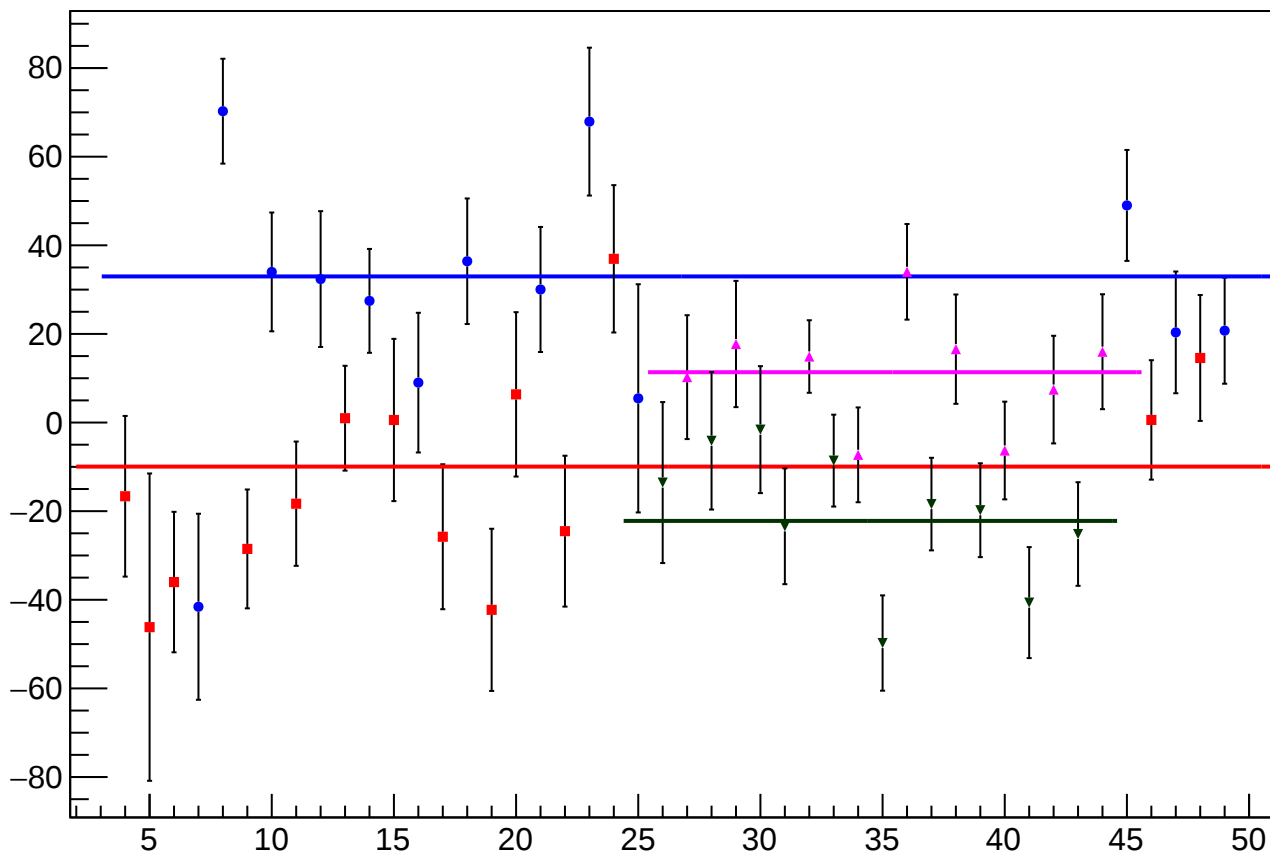
Right Out: 1825.611+/-0.479 χ^2/NDF : 251192.2/13

Left In: 2370.321+/-0.719 χ^2/NDF : 396932.3/8

1975.119+/-0.386 χ^2/NDF : 1469368.8/22

1993.152+/-0.399 χ^2/NDF : 1045507.1/22

diff_bpm0l06X_mean vs slug



Right In: 32.977 $\pm$ 3.944 χ^2 /NDF: 34.2/12

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

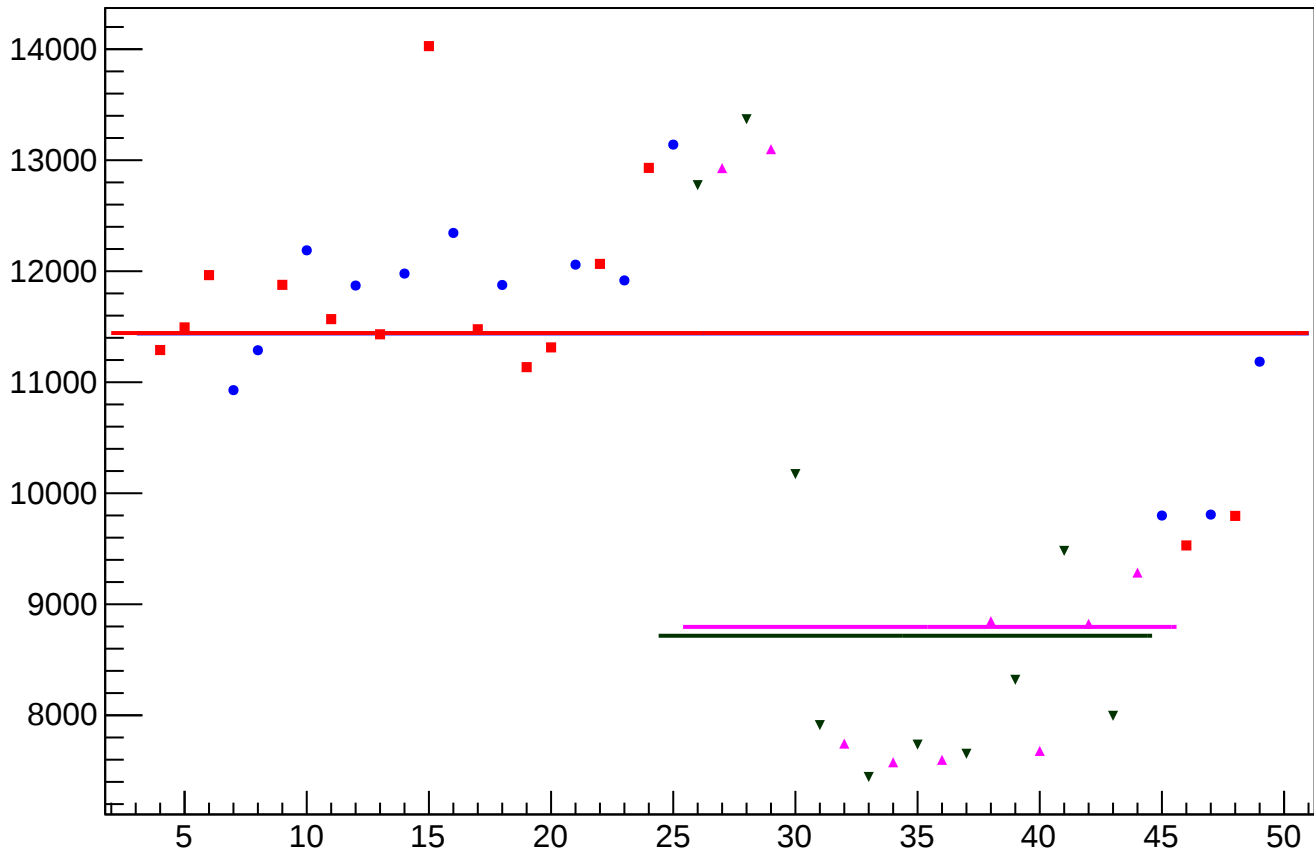
Right Out: -9.943 $\pm$ 4.234 χ^2 /NDF: 24.5/13

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

4.691 $\pm$ 2.753 χ^2 /NDF: 148.9/22

1.897 $\pm$ 2.822 χ^2 /NDF: 49.4/22

diff_bpm0l06X_rms vs slug



Right In: 11439.744+/-2.789 χ^2/NDF : 99727.8/12

Left Out: 8716.427+/-2.719 χ^2/NDF : 393127.4/9

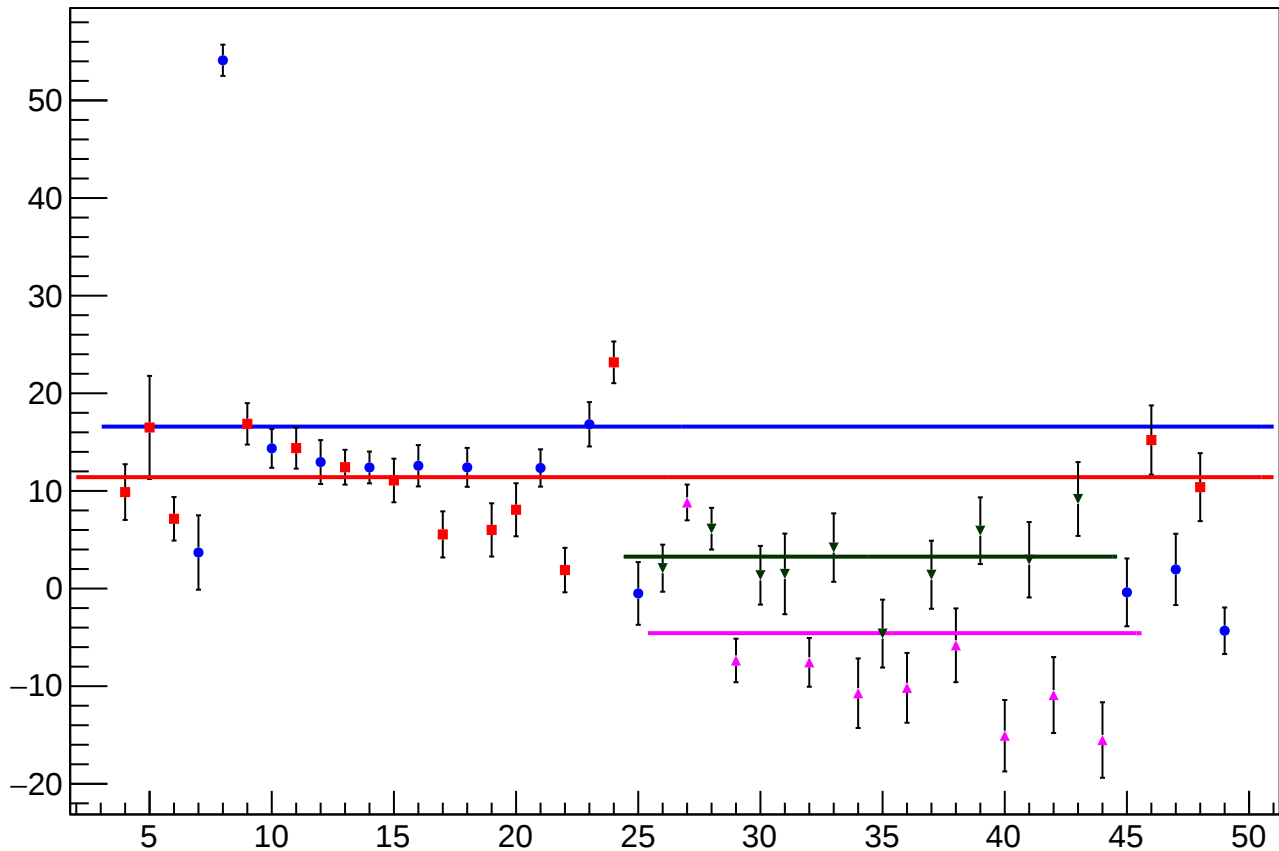
10043.612+/-1.947 χ^2/NDF : 981681.1/22

Right Out: 11443.142+/-2.994 χ^2/NDF : 130970.7/13

9971.813+/-1.995 χ^2/NDF : 1029801.7/22

Left In: 8796.116+/-2.676 χ^2/NDF : 464333.7/8

diff_bpm0l06Y_mean vs slug



Right In: 16.589 $\pm$ 0.613 χ^2 /NDF: 729.7/12

Left Out: 3.269 $\pm$ 0.986 χ^2 /NDF:11.2/9

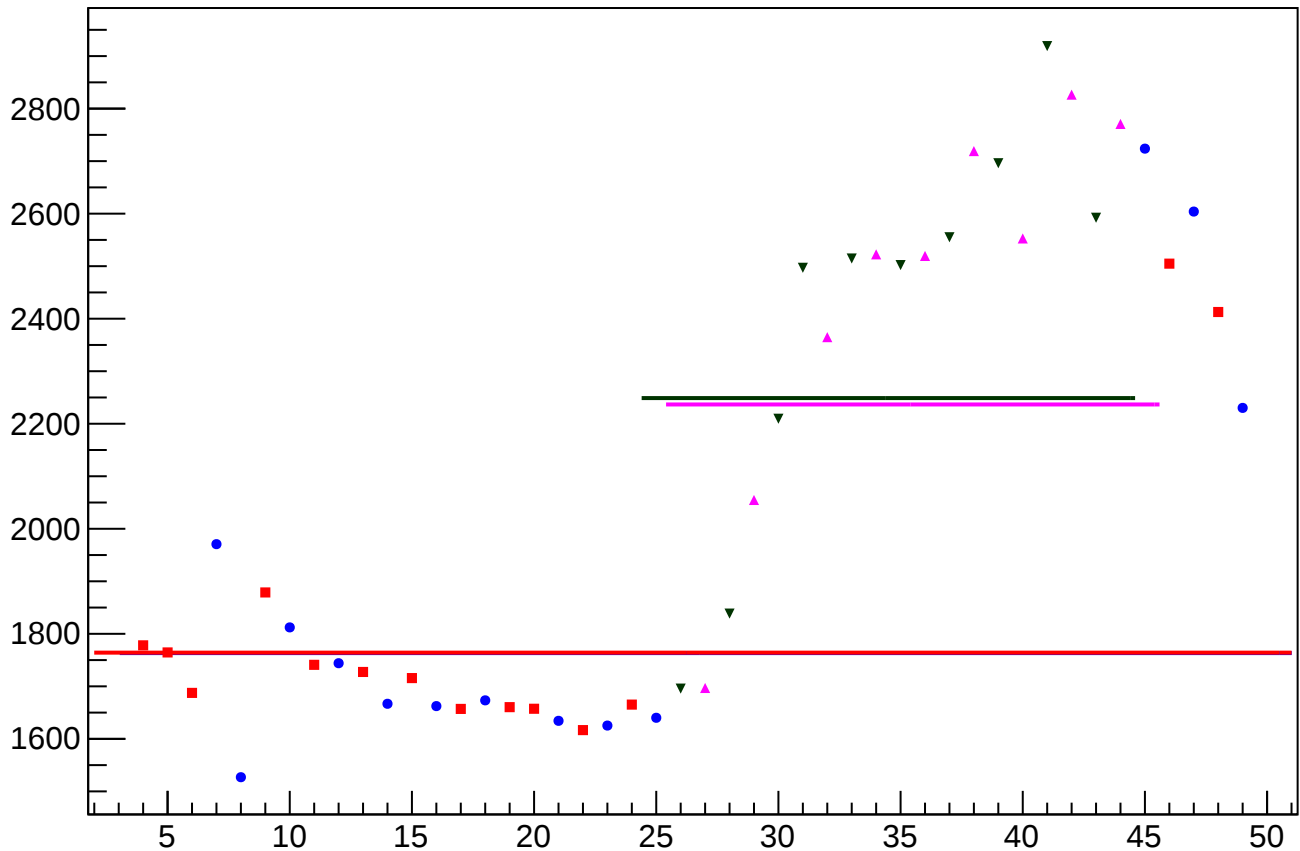
Right Out: 11.410 $\pm$ 0.653 χ^2 /NDF: 74.4/13

Left In: -4.569 $\pm$ 0.956 χ^2 /NDF:80.8/8

12.871 $\pm$ 0.521 χ^2 /NDF: 872.5/22

6.329 $\pm$ 0.539 χ^2 /NDF: 345.6/22

diff_bpm0l06Y_rms vs slug



Right In: 1763.306+/-0.434 χ^2/NDF : 421780.6/12

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

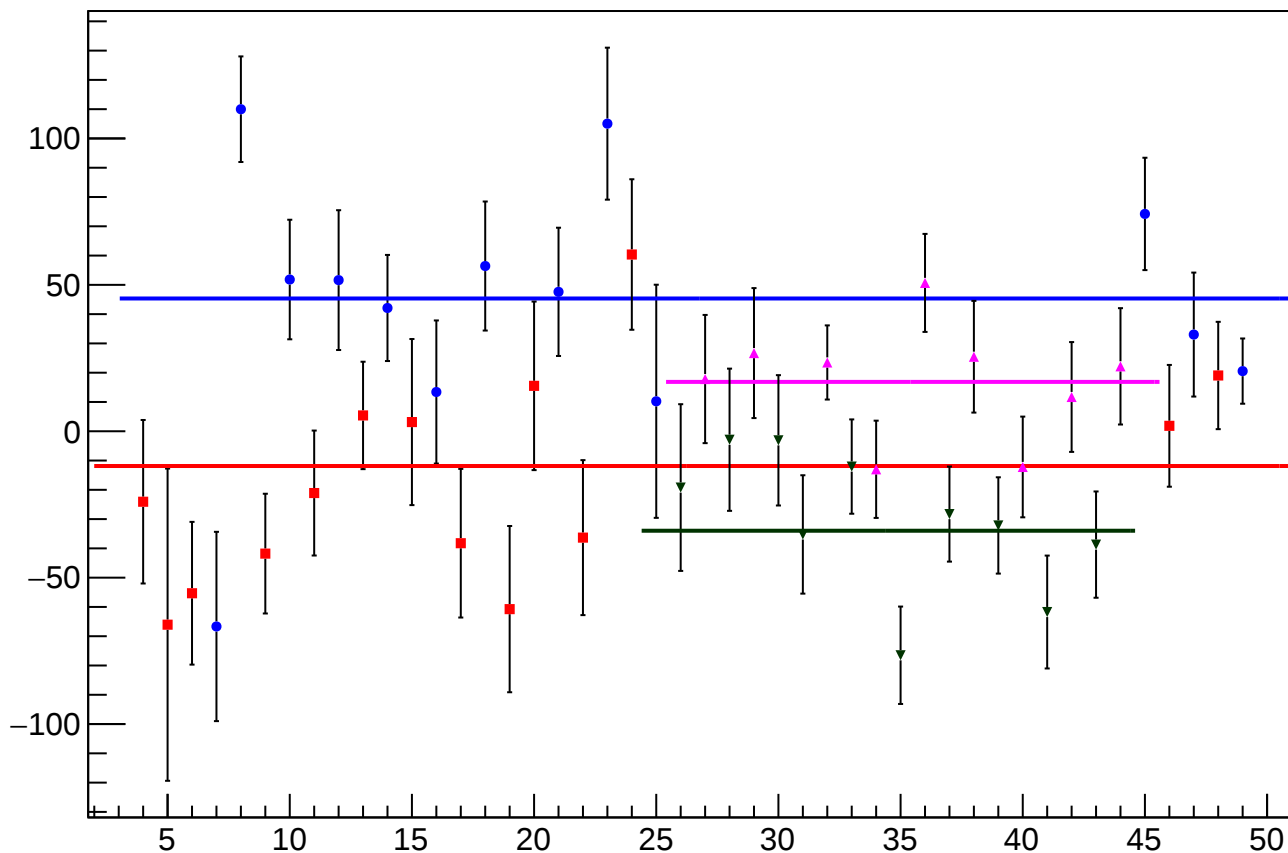
Right Out: 1764.170+/-0.462 χ^2/NDF : 189764.5/13

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

1898.832+/-0.368 χ^2/NDF : 1107006.7/22

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

diff_bpm0l07X_mean vs slug



Right In: 45.344+/-5.575 χ^2 /NDF: 40.7/12

Left Out: -33.973+/-5.967 χ^2 /NDF:14.5/9

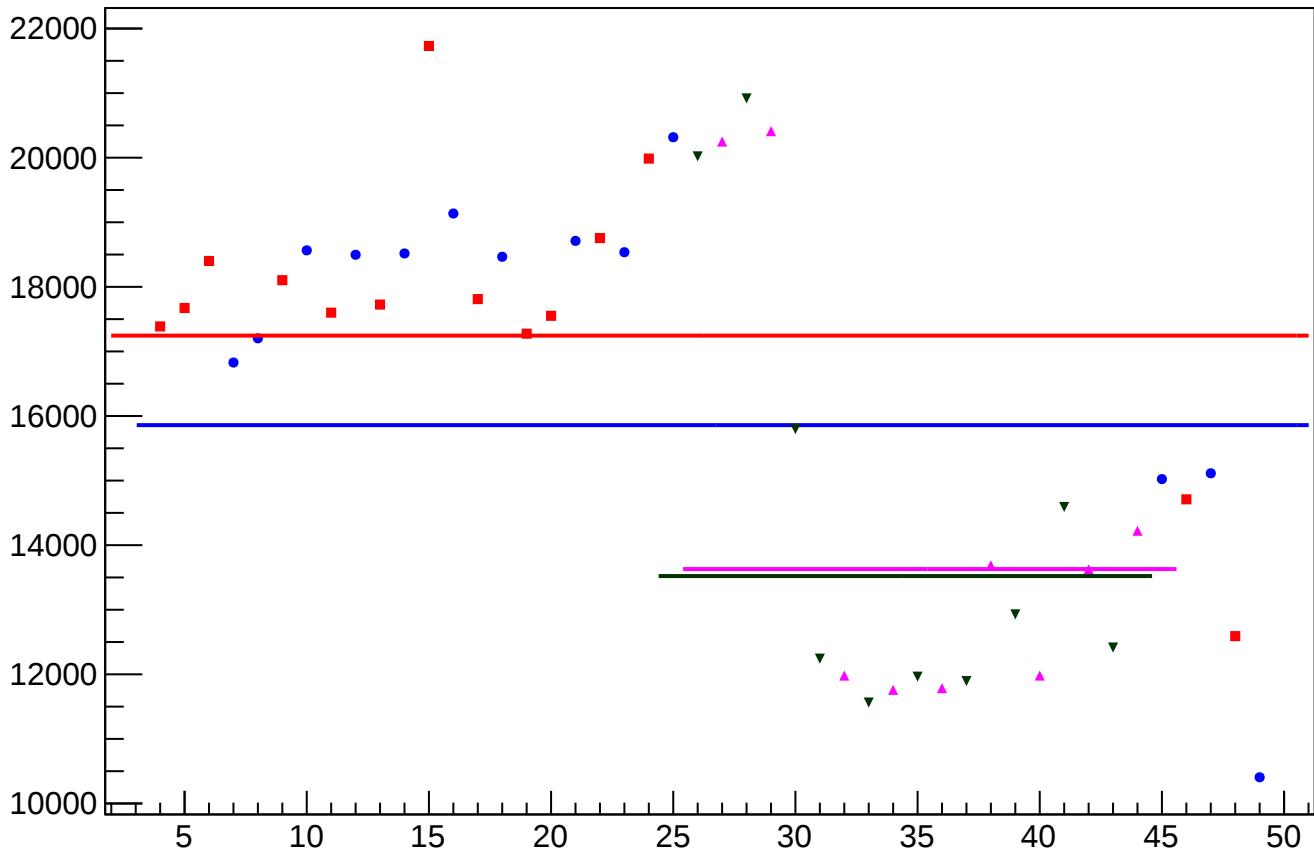
Right Out: -11.869+/-6.408 χ^2 /NDF: 24.9/13

Left In: 16.860+/-5.867 χ^2 /NDF:11.0/8

8.376+/-4.074 χ^2 /NDF: 149.5/22

3.760+/-4.327 χ^2 /NDF: 46.8/22

diff_bpm0l07X_rms vs slug



Right In: 15858.784+/-3.942 χ^2/NDF : 745236.8/12

Left Out: 13521.564+/-4.220 χ^2/NDF : 402050.4/9

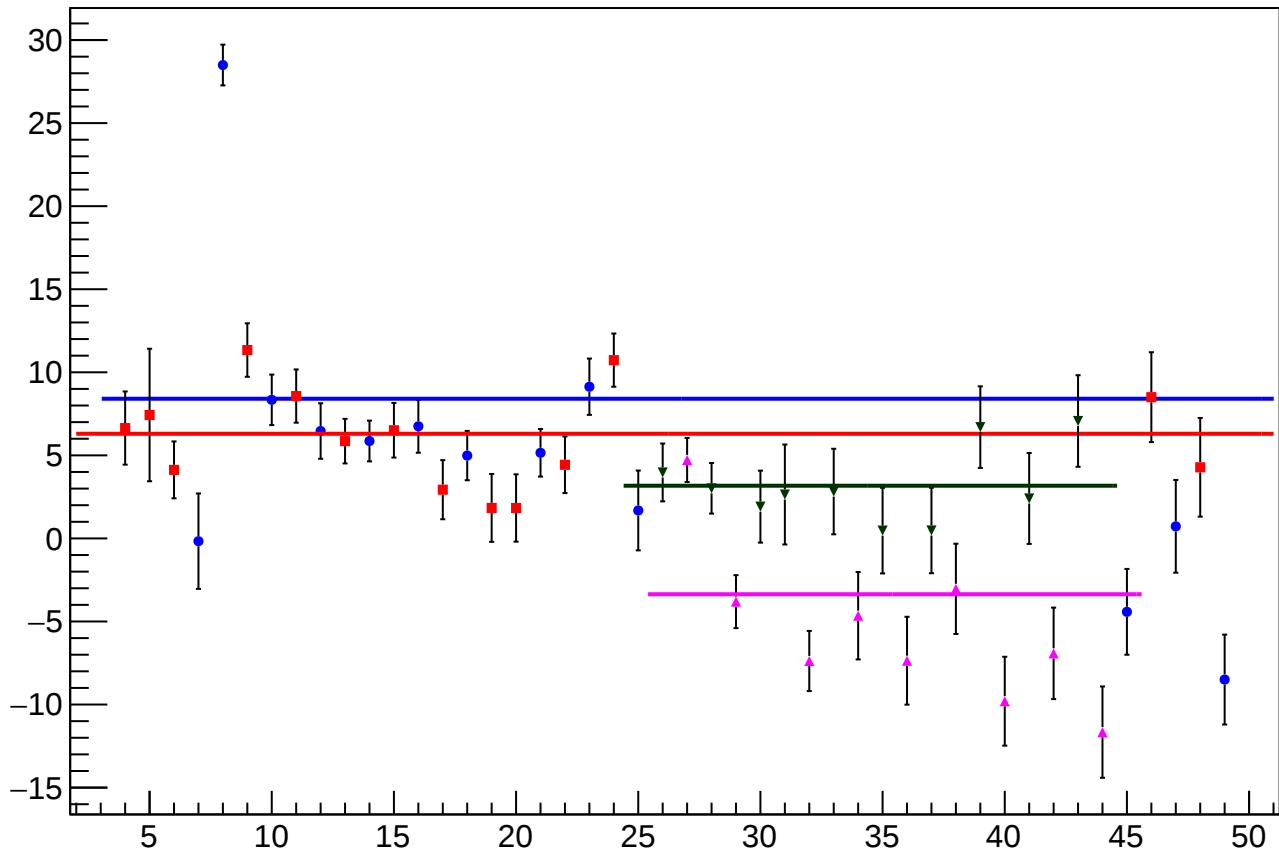
Right Out: 17244.791+/-4.531 χ^2/NDF : 249293.8/13

Left In: 13630.347+/-4.149 χ^2/NDF : 473215.4/8

14769.468+/-2.881 χ^2/NDF : 1311095.9/22

15278.520+/-3.060 χ^2/NDF : 1068656.3/22

diff_bpm0l07Y_mean vs slug



Right In: 8.409 ± 0.471 χ^2/NDF : 374.2/12

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

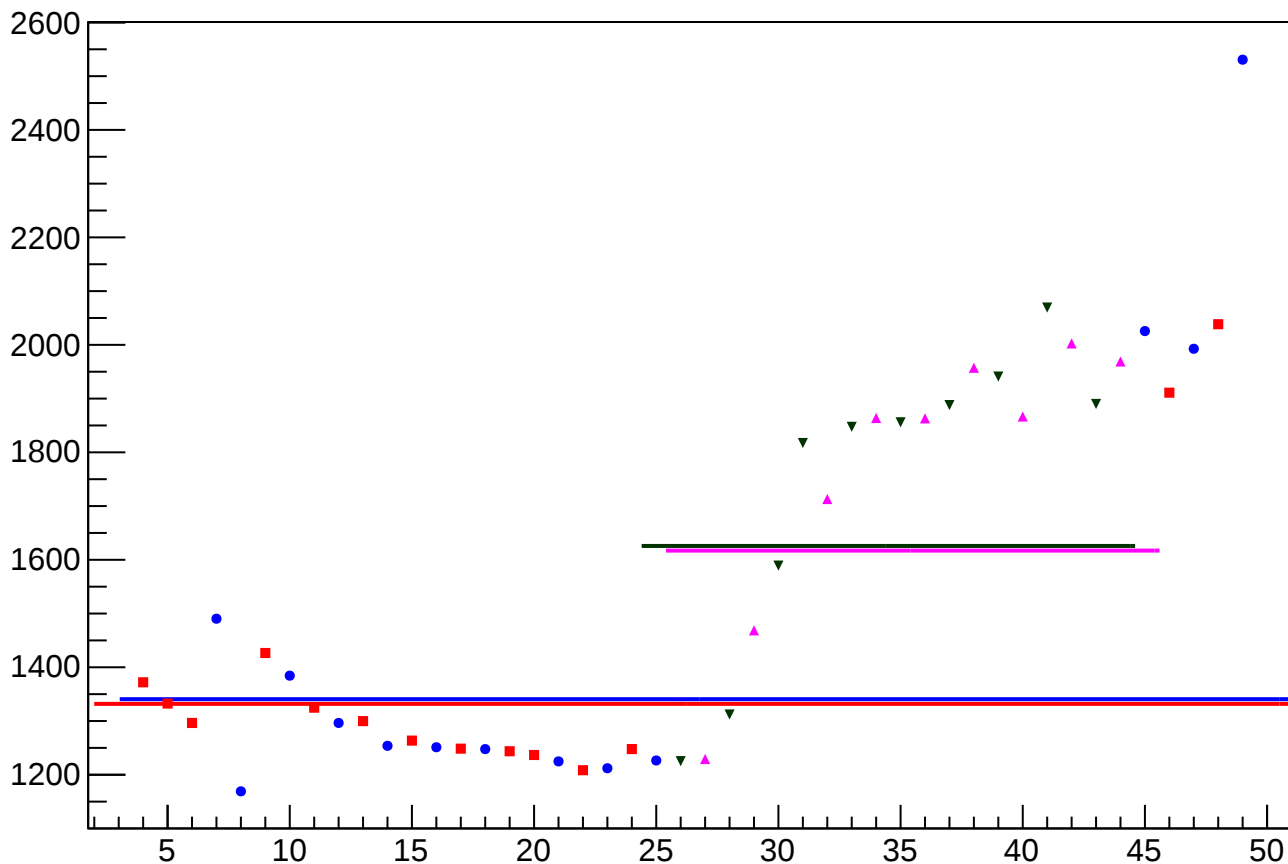
Right Out: 6.299 ± 0.494 χ^2/NDF : 36.8/13

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

6.819 ± 0.393 χ^2/NDF : 418.7/22

3.031 ± 0.402 χ^2/NDF : 227.2/22

diff_bpm0l07Y_rms vs slug



Right In: 1340.605+/-0.333 χ^2/NDF : 737569.2/12

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

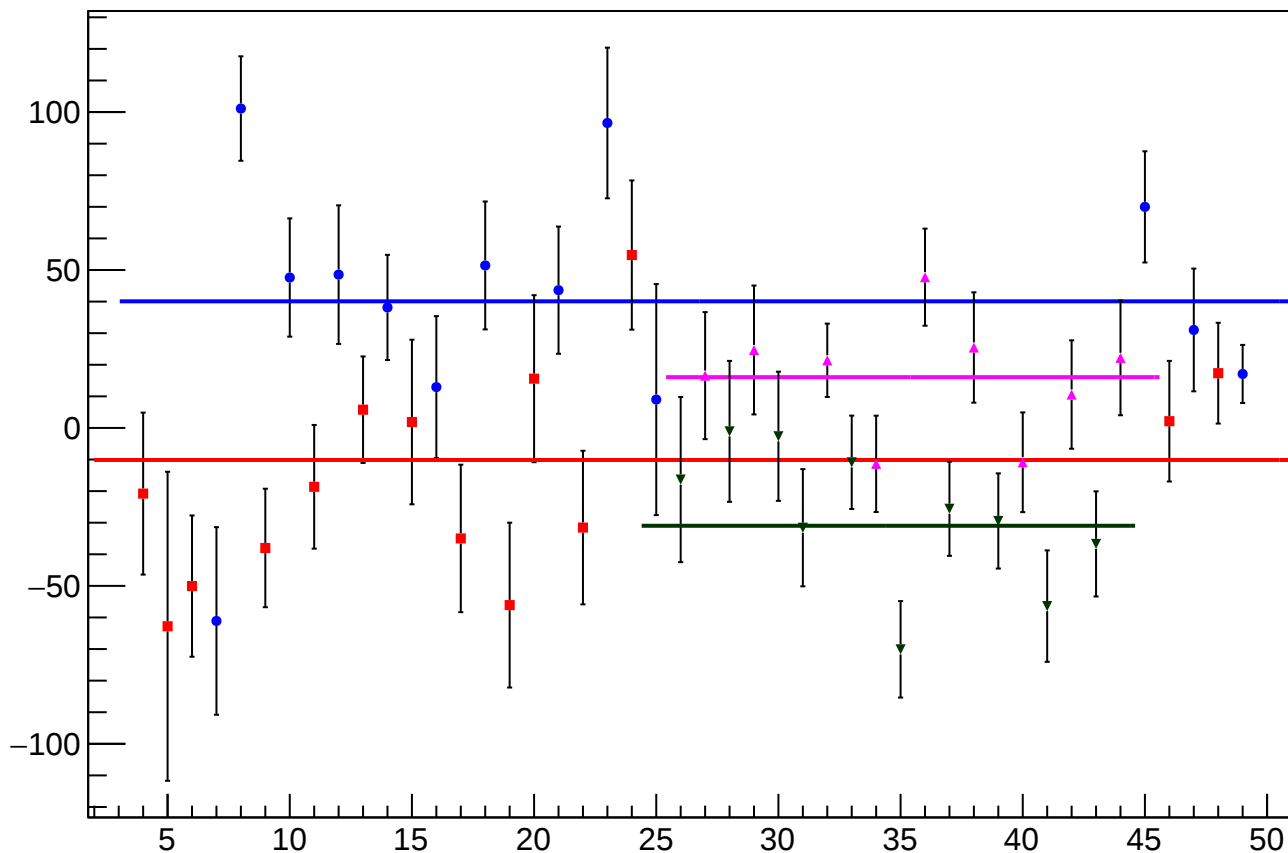
Right Out: 1331.928+/-0.349 χ^2/NDF : 246434.0/13

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

1427.173+/-0.278 χ^2/NDF : 1315124.3/22

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

diff_bpm0l08X_mean vs slug



Right In: 40.084 $\pm$ 4.974 χ^2 /NDF: 43.0/12

Left Out: -30.968 $\pm$ 5.475 χ^2 /NDF:14.8/9

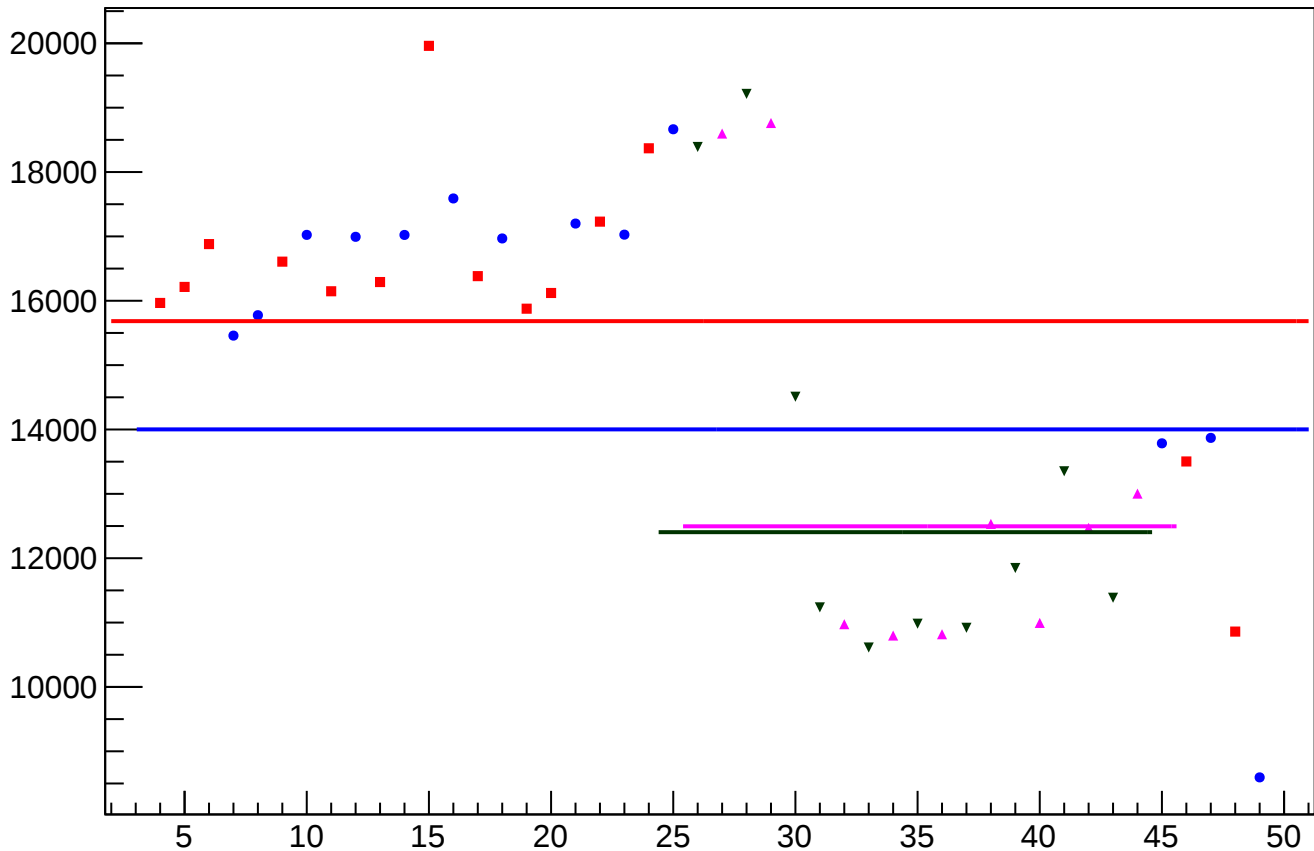
Right Out: -10.143 $\pm$ 5.844 χ^2 /NDF: 24.9/13

Left In: 16.079 $\pm$ 5.379 χ^2 /NDF:11.3/8

7.951 $\pm$ 3.682 χ^2 /NDF: 150.1/22

4.054 $\pm$ 3.958 χ^2 /NDF: 47.1/22

diff_bpm0l08X_rms vs slug



Right In: 14001.571+/-3.517 χ^2/NDF : 1083165.3/12

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

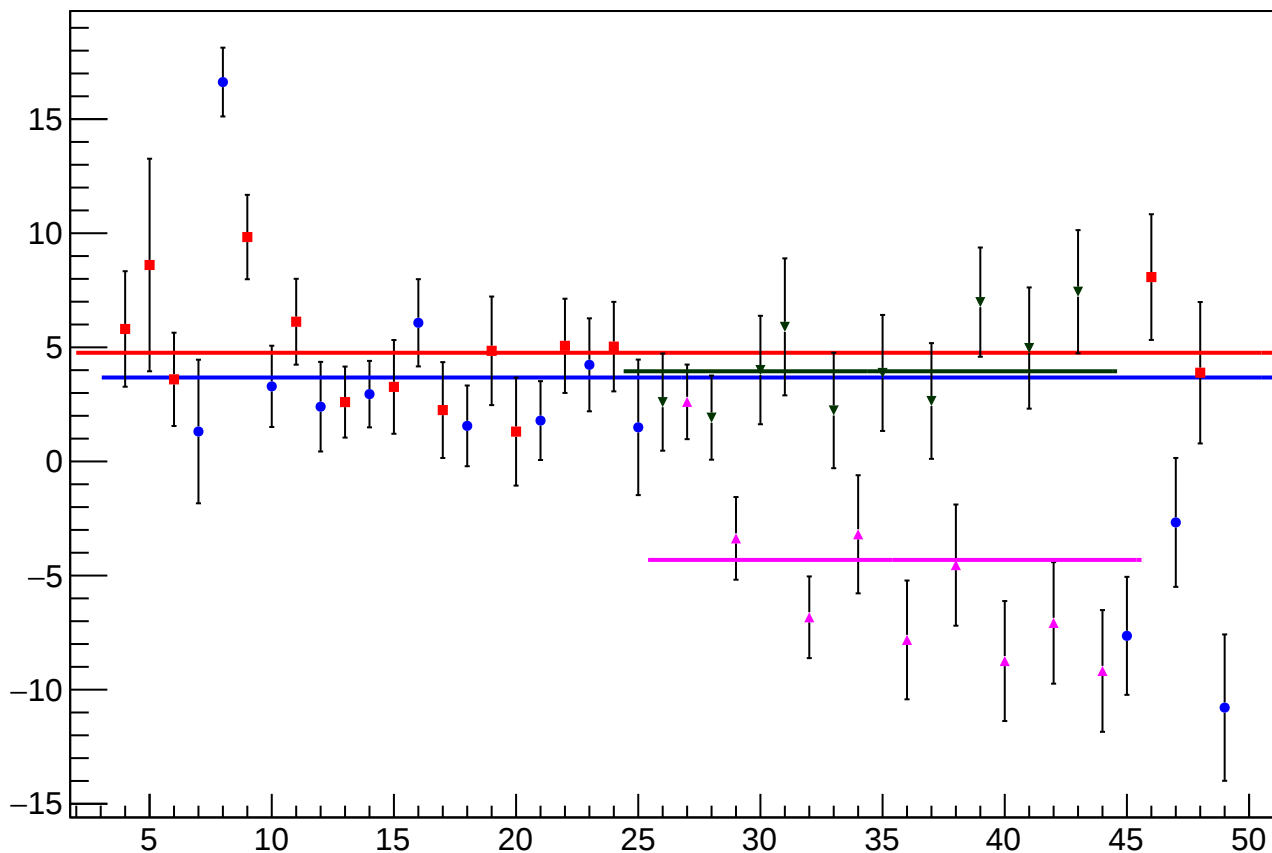
13279.369+/-2.603 χ^2/NDF : 1579248.1/22

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: 3.678 ± 0.555 χ^2/NDF : 124.5/12

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

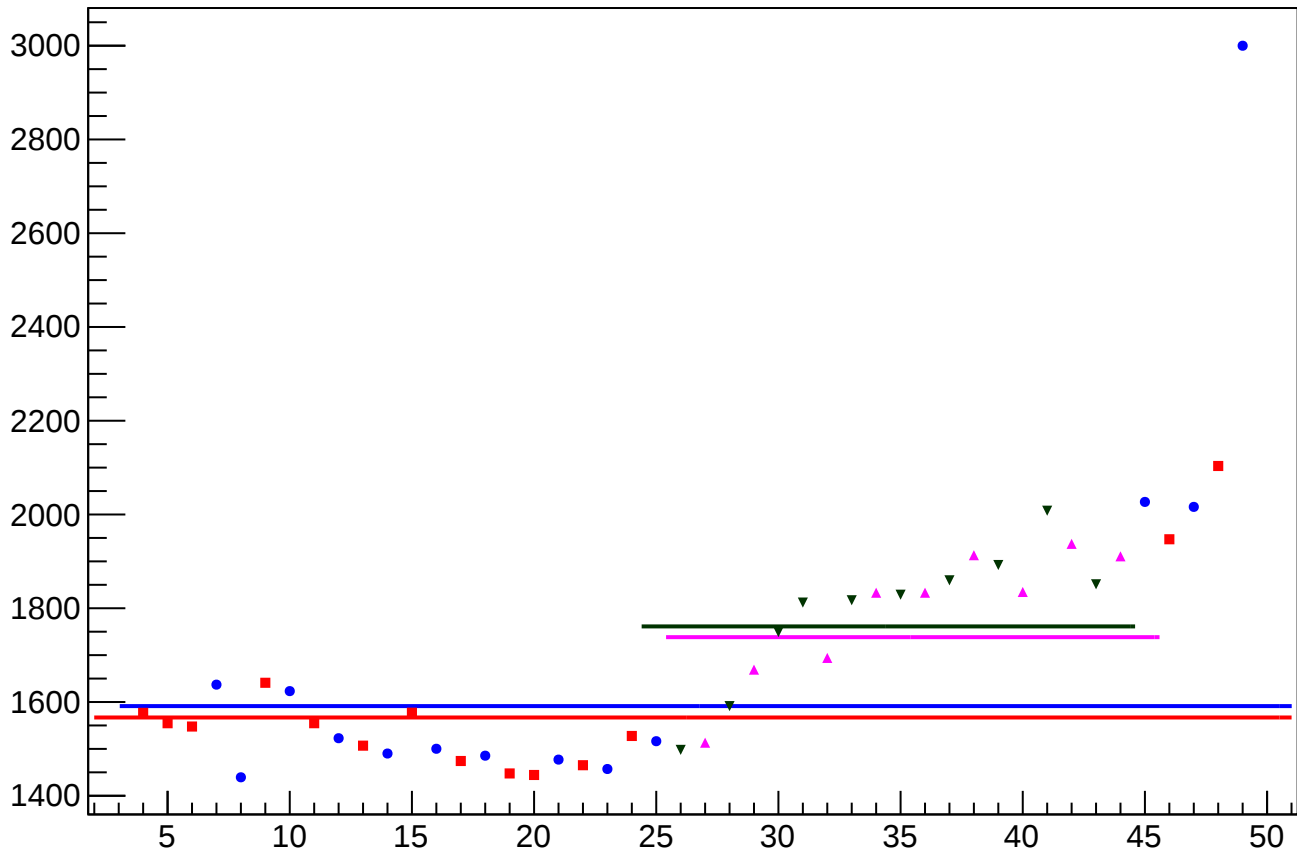
Right Out: 4.762 ± 0.579 χ^2/NDF : 16.8/13

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

3.773 ± 0.449 χ^2/NDF : 130.7/22

1.278 ± 0.455 χ^2/NDF : 140.5/22

diff_bpm0l08Y_rms vs slug



Right In: 1591.284+/-0.393 χ^2/NDF : 551747.3/12

Left Out: 1761.262+/-0.539 χ^2/NDF : 79141.5/9

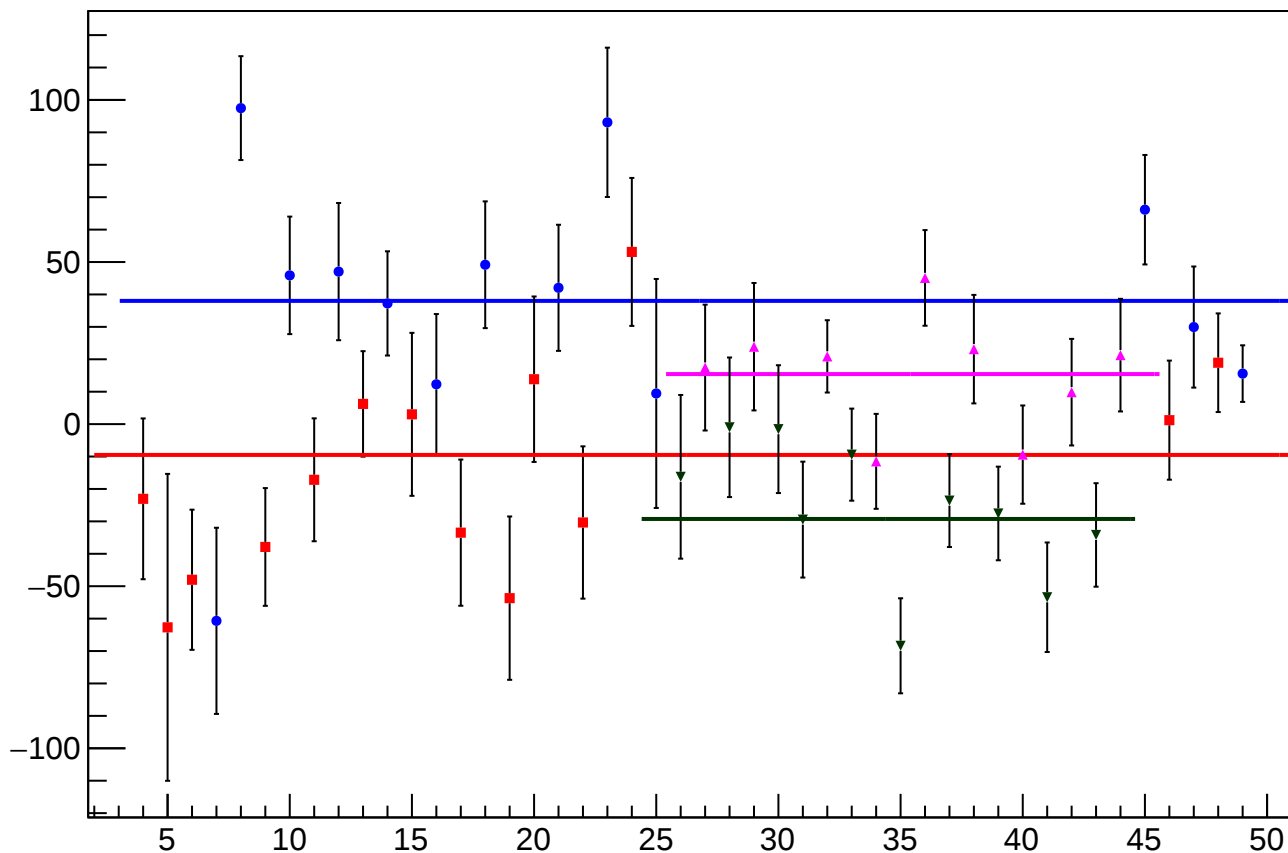
Right Out: 1566.995+/-0.410 χ^2/NDF : 124610.8/13

Left In: 1738.335+/-0.519 χ^2/NDF : 78331.9/8

1650.271+/-0.317 χ^2/NDF : 695912.1/22

1632.774+/-0.322 χ^2/NDF : 270096.0/22

diff_bpm0l09X_mean vs slug



Right In: 38.017 ± 4.777 $\chi^2/\text{NDF}: 43.7/12$

Left Out: -29.254 ± 5.260 $\chi^2/\text{NDF}: 15.3/9$

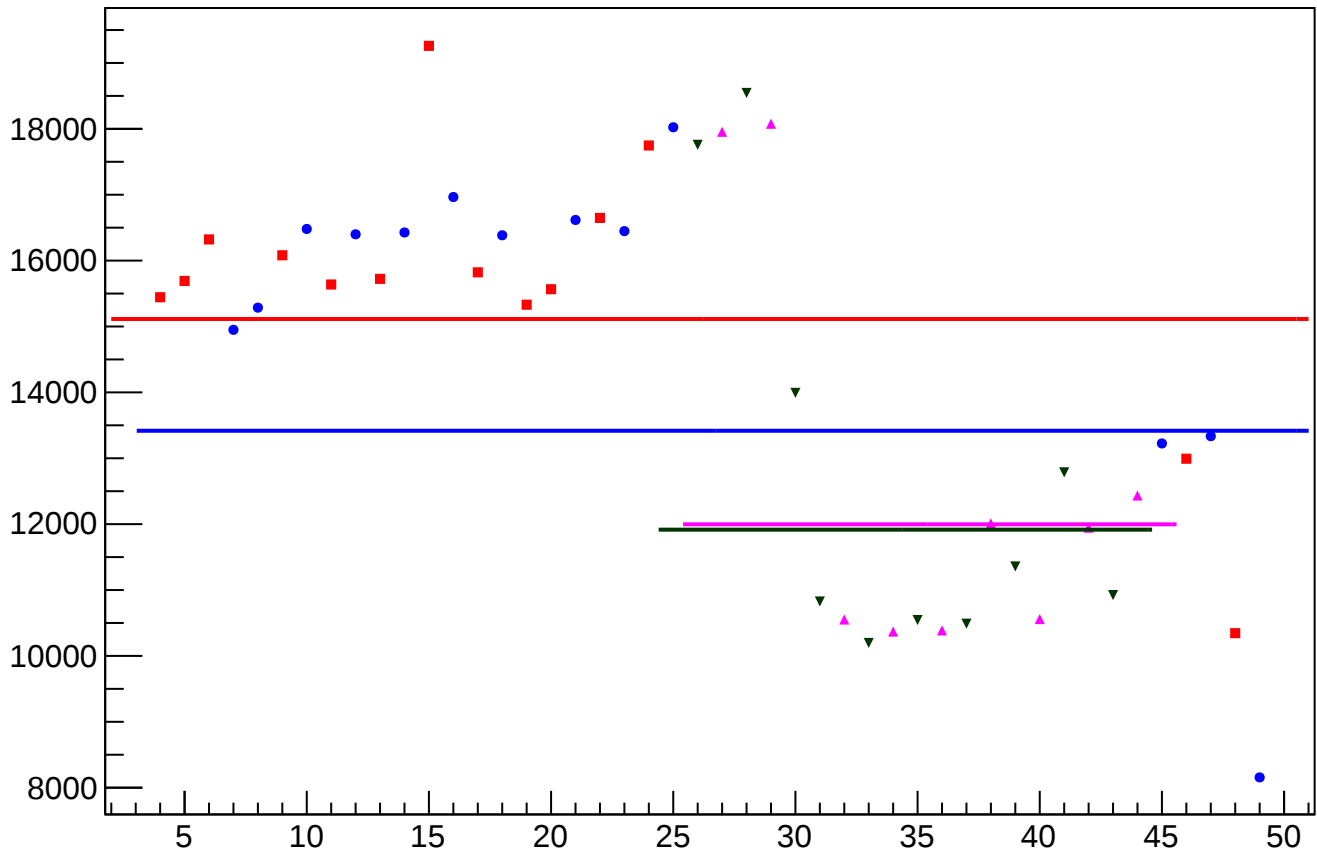
Right Out: -9.506 ± 5.636 $\chi^2/\text{NDF}: 25.7/13$

Left In: 15.435 ± 5.166 $\chi^2/\text{NDF}: 11.0/8$

7.616 ± 3.536 $\chi^2/\text{NDF}: 148.7/22$

4.049 ± 3.808 $\chi^2/\text{NDF}: 47.3/22$

diff_bpm0l09X_rms vs slug



Right In: 13417.353+/-3.378 χ^2/NDF : 1149039.5/12

Left Out: 11916.247+/-3.720 χ^2/NDF : 408966.2/9

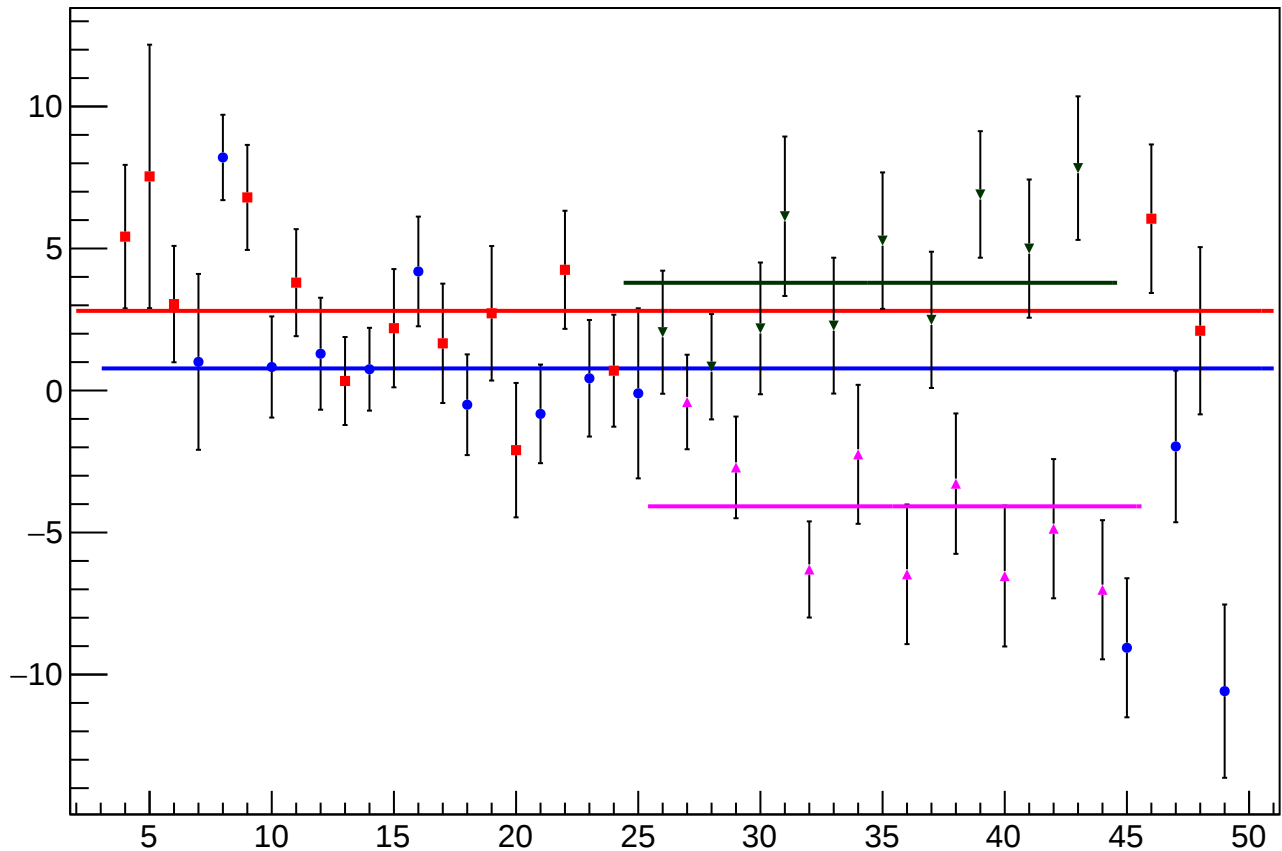
12738.978+/-2.501 χ^2/NDF : 1647265.1/22

Right Out: 15114.107+/-3.985 χ^2/NDF : 332363.3/13

13420.141+/-2.693 χ^2/NDF : 1145927.8/22

Left In: 11997.213+/-3.653 χ^2/NDF : 481131.3/8

diff_bpm0l09Y_mean vs slug



Right In: 0.778 $\pm$ 0.553 χ^2 /NDF: 60.2/12

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

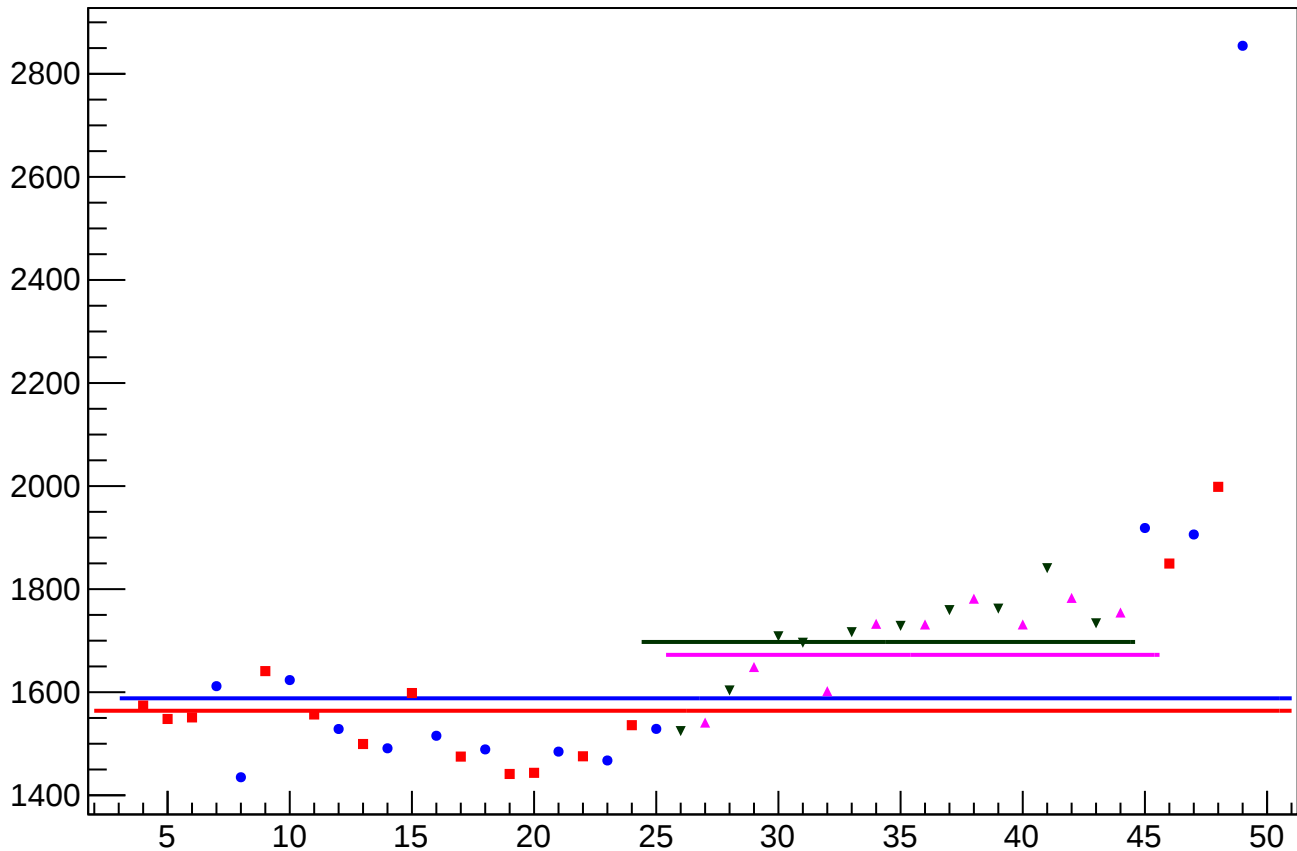
Right Out: 2.805 $\pm$ 0.578 χ^2 /NDF: 17.5/13

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

1.872 $\pm$ 0.441 χ^2 /NDF: 81.2/22

0.038 $\pm$ 0.447 χ^2 /NDF: 85.9/22

diff_bpm0l09Y_rms vs slug



Right In: 1588.140+/-0.391 χ^2/NDF : 465662.6/12

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

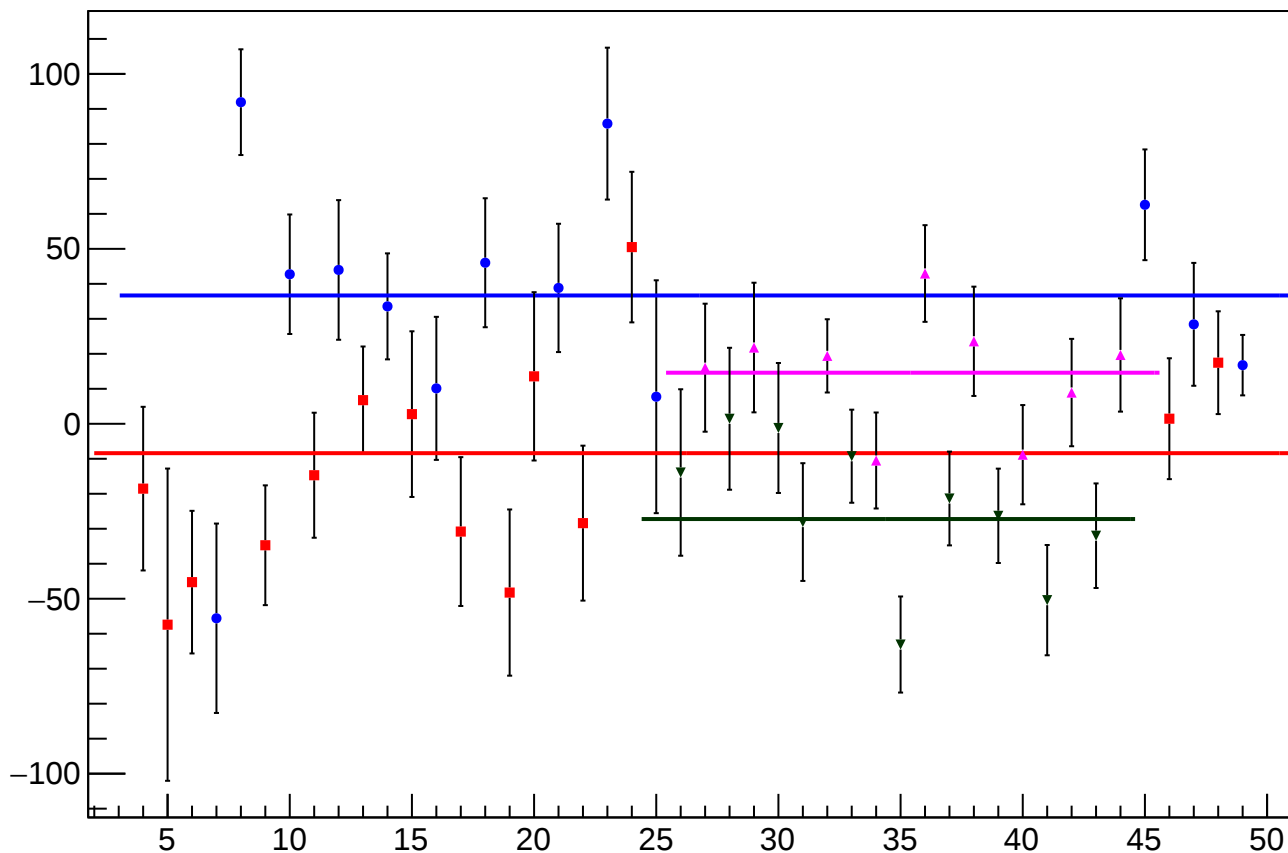
Right Out: 1563.996+/-0.408 χ^2/NDF : 93242.9/13

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

1627.843+/-0.312 χ^2/NDF : 522831.8/22

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

diff_bpm0l10X_mean vs slug



Right In: 36.675 $\pm$ 4.564 χ^2 /NDF: 41.3/12

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

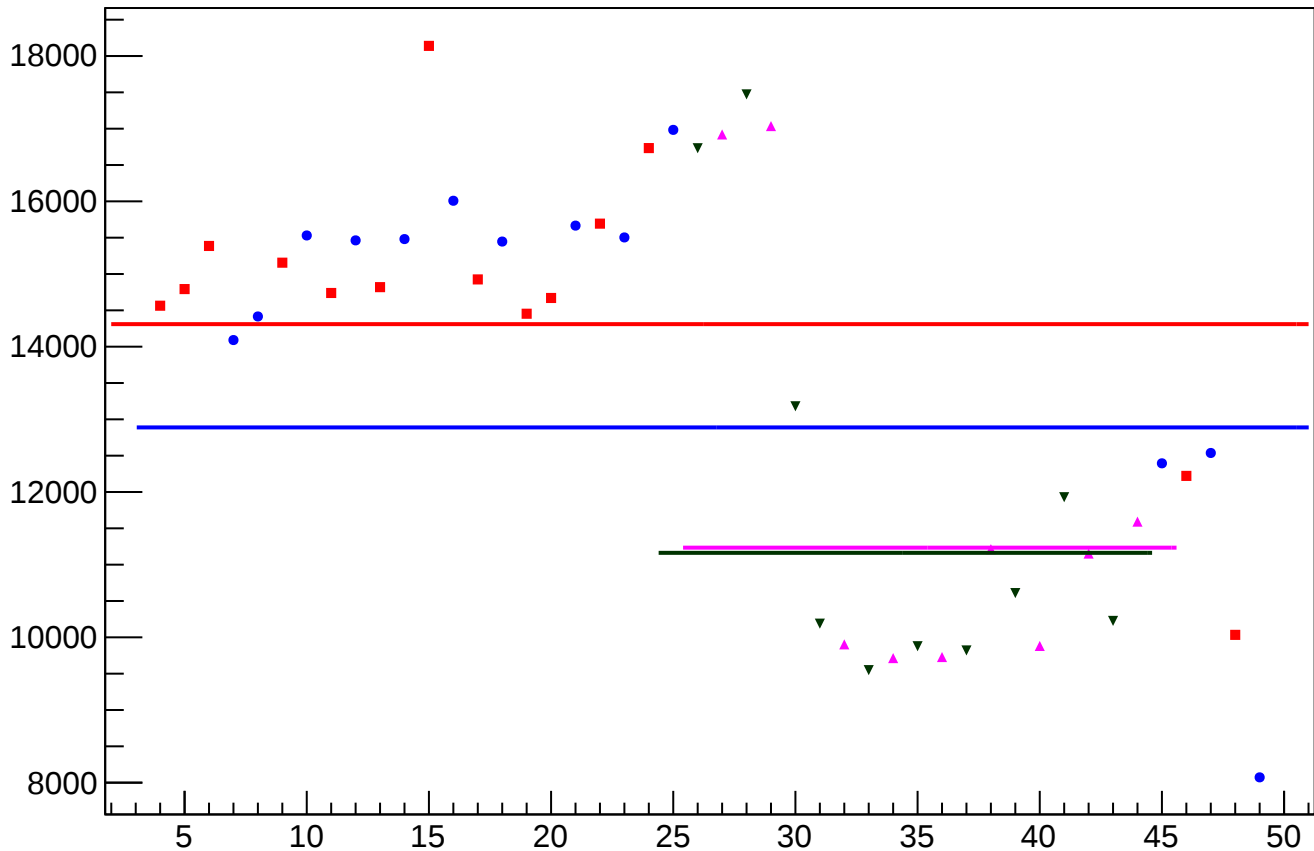
Right Out: -8.398 $\pm$ 5.329 χ^2 /NDF: 24.8/13

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

7.183 $\pm$ 3.349 χ^2 /NDF: 147.2/22

4.207 $\pm$ 3.582 χ^2 /NDF: 46.3/22

diff_bpm0l10X_rms vs slug



Right In: 12888.791+/-3.227 χ^2/NDF : 978579.0/12

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

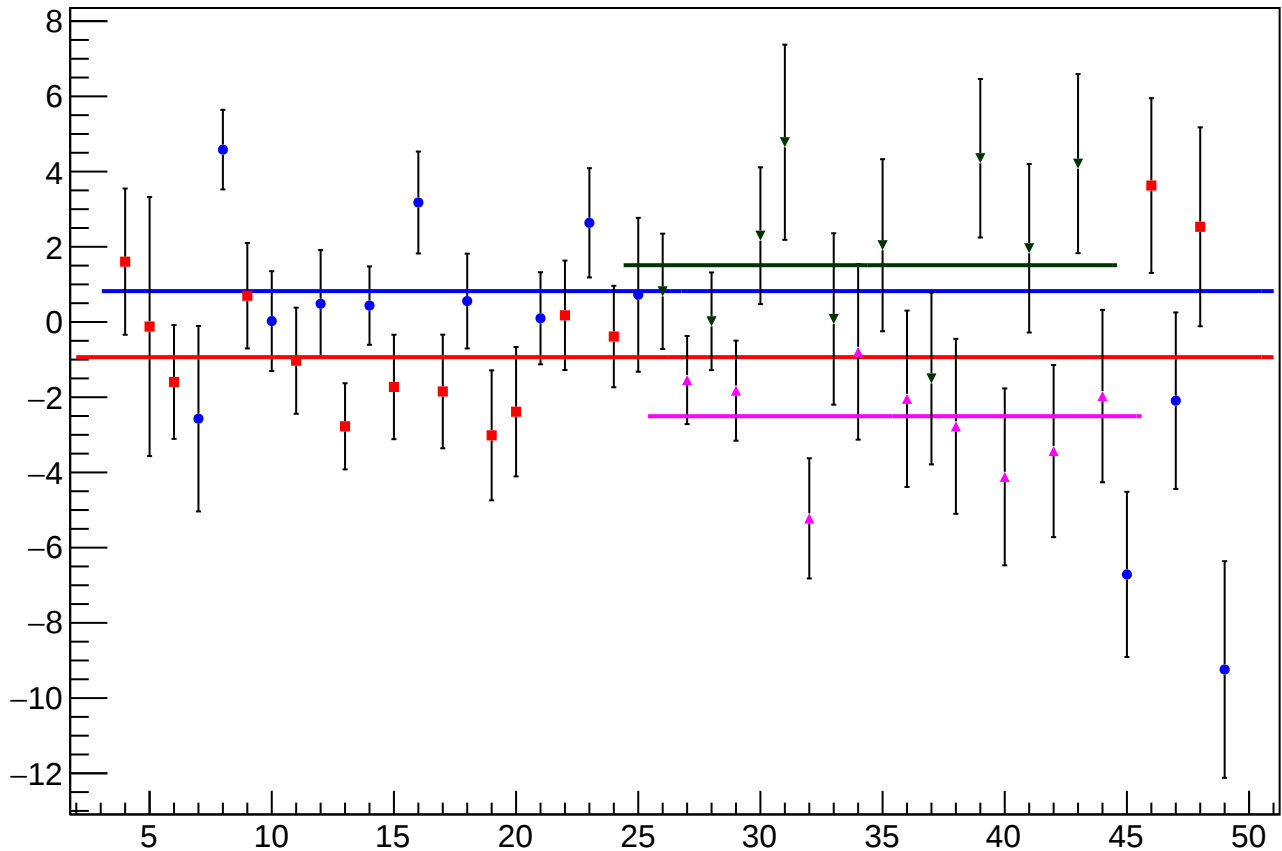
12092.175+/-2.368 χ^2/NDF : 1526989.4/22

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: 0.821 ± 0.405 χ^2/NDF : 45.6/12

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

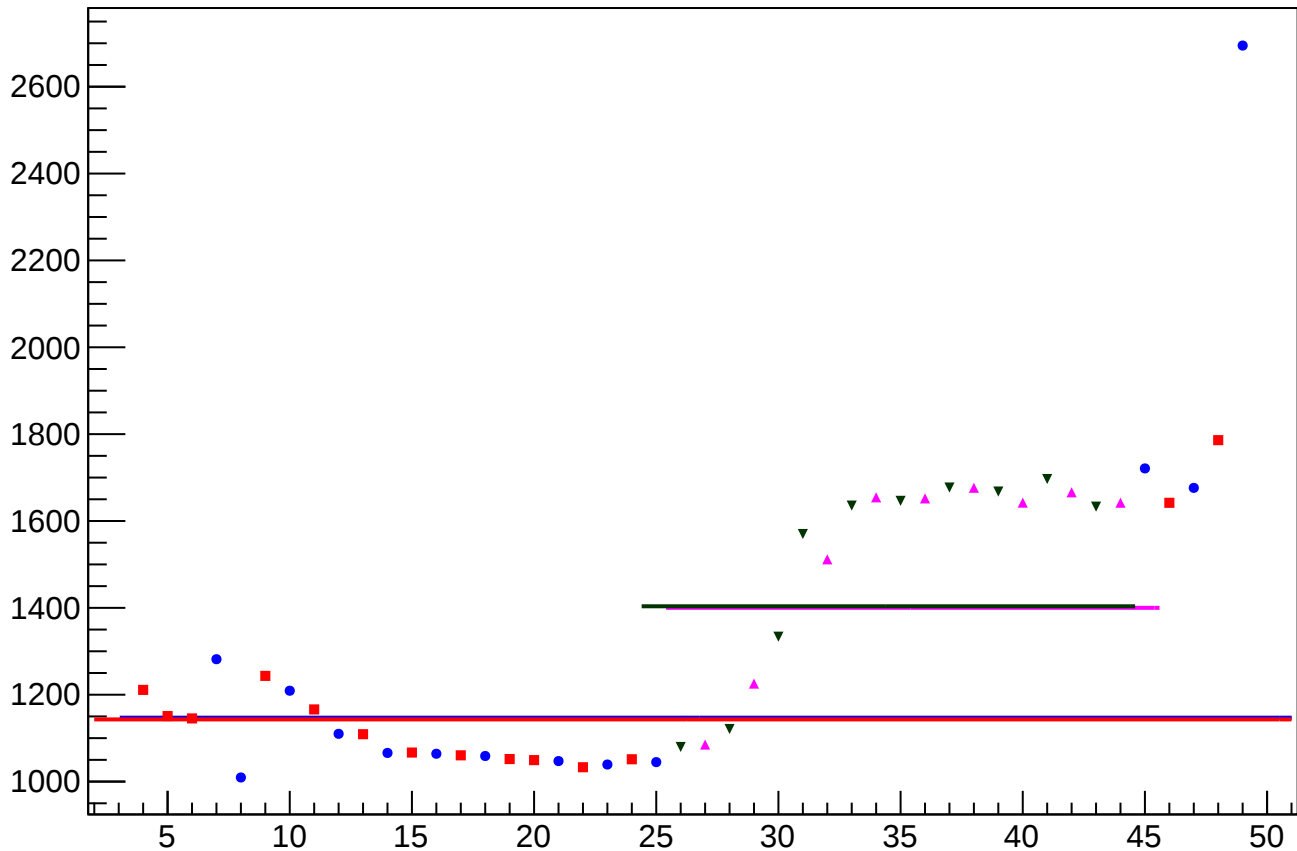
Right Out: -0.934 ± 0.425 χ^2/NDF : 15.1/13

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

1.030 ± 0.338 χ^2/NDF : 55.1/22

-1.461 ± 0.346 χ^2/NDF : 24.8/22

diff_bpm0l10Y_rms vs slug



Right In: 1147.154+/-0.286 χ^2/NDF : 920037.7/12

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

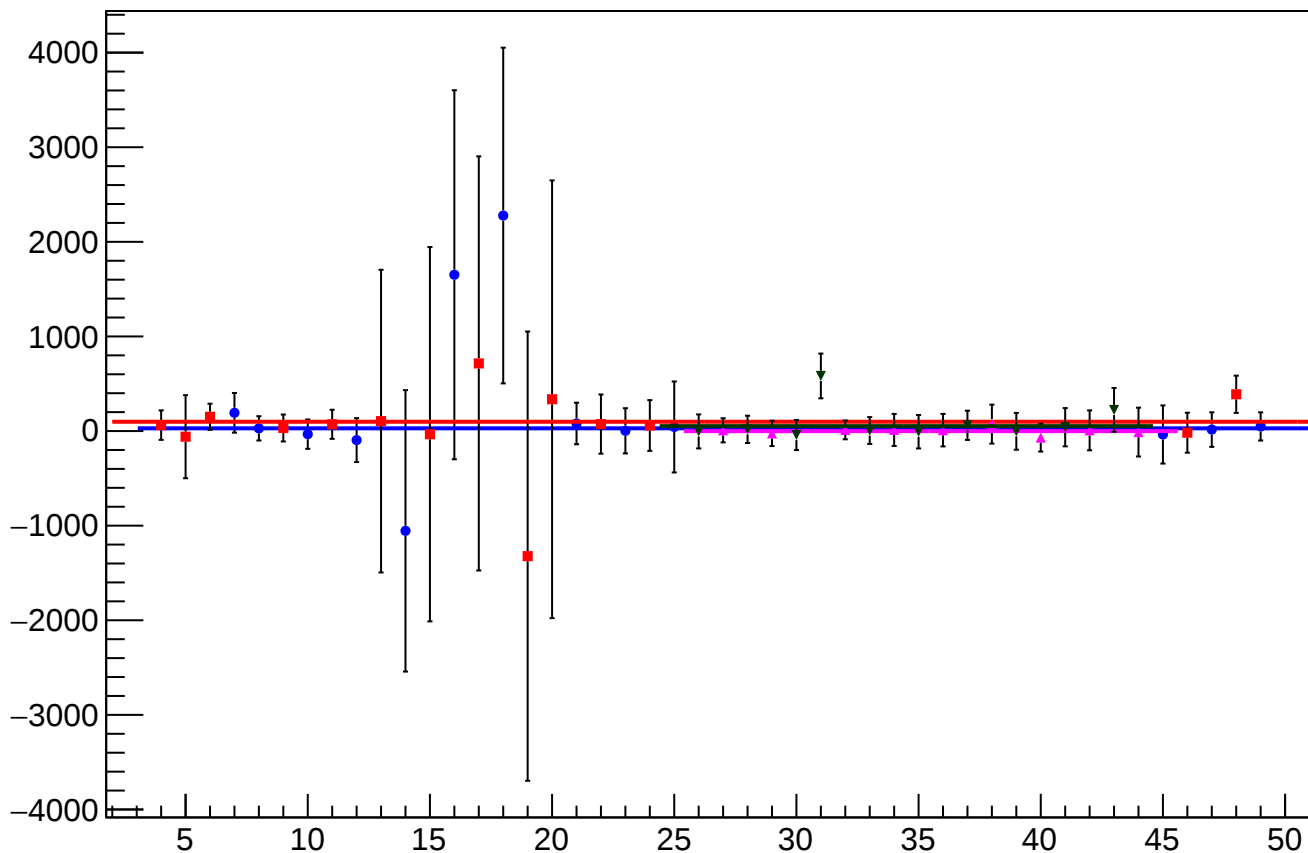
Right Out: 1143.153+/-0.300 χ^2/NDF : 269677.2/13

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

1224.718+/-0.239 χ^2/NDF : 1513685.6/22

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

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs slug



Right In: 28.694+/-60.563 χ^2/NDF : 4.0/12

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

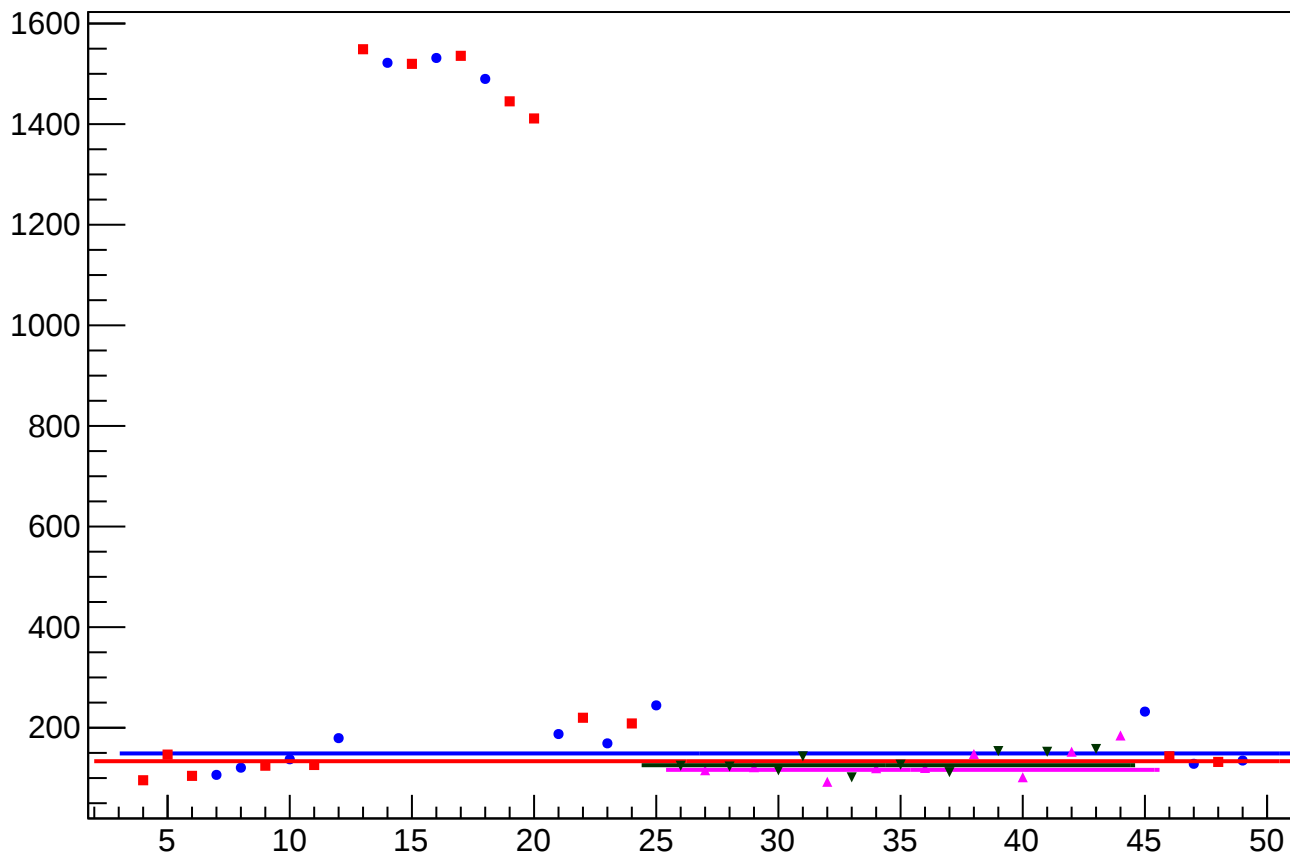
Right Out: 98.522+/-61.533 χ^2/NDF : 3.5/13

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

41.439+/-40.753 χ^2/NDF : 10.5/22

38.903+/-38.974 χ^2/NDF : 5.5/22

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs slug



Right In: 148.931+/-0.043 χ^2/NDF : 4421446.7/12

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

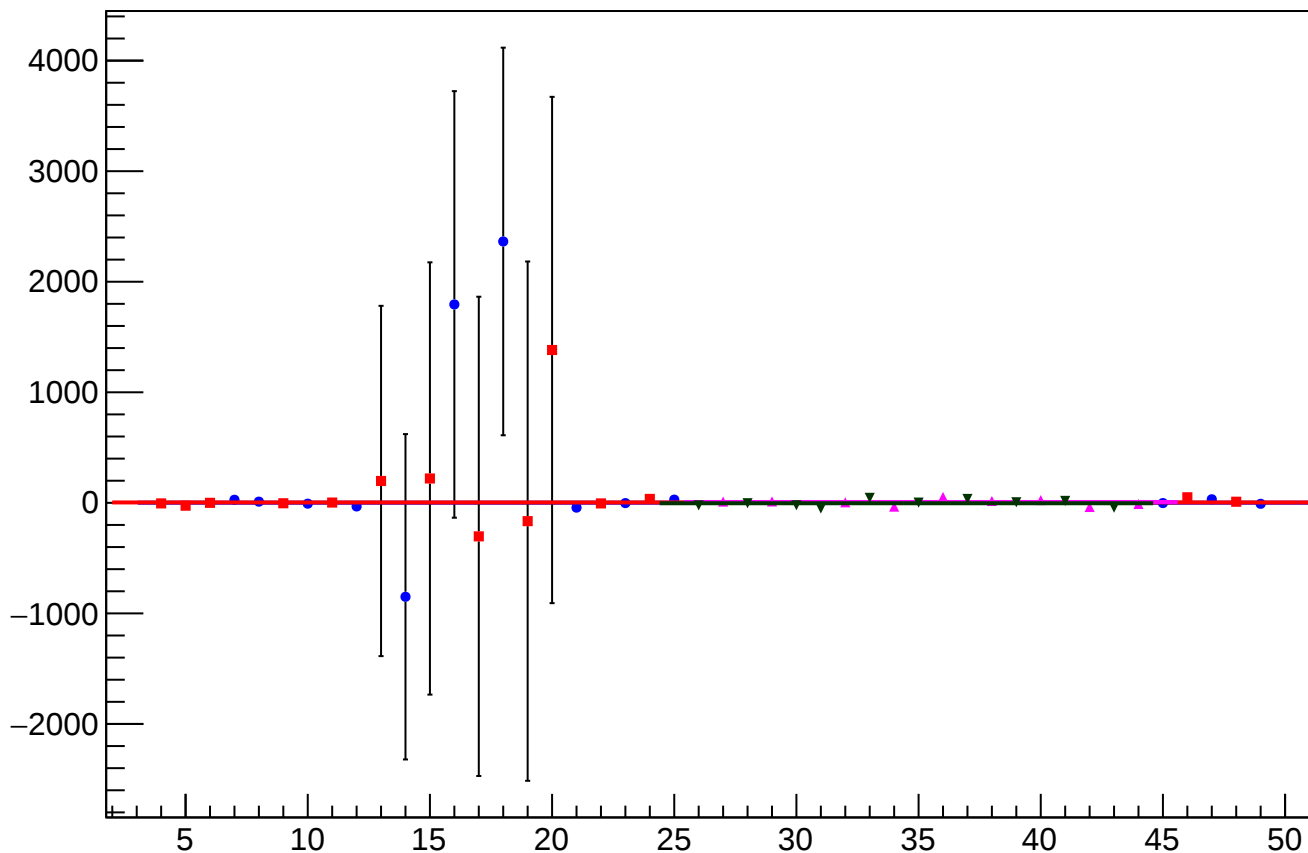
Right Out: 133.496+/-0.044 χ^2/NDF : 5124803.2/13

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

136.124+/-0.029 χ^2/NDF : 4793906.3/22

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

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs slug



Right In: 1.242+/-5.443 χ^2/NDF : 13.8/12

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

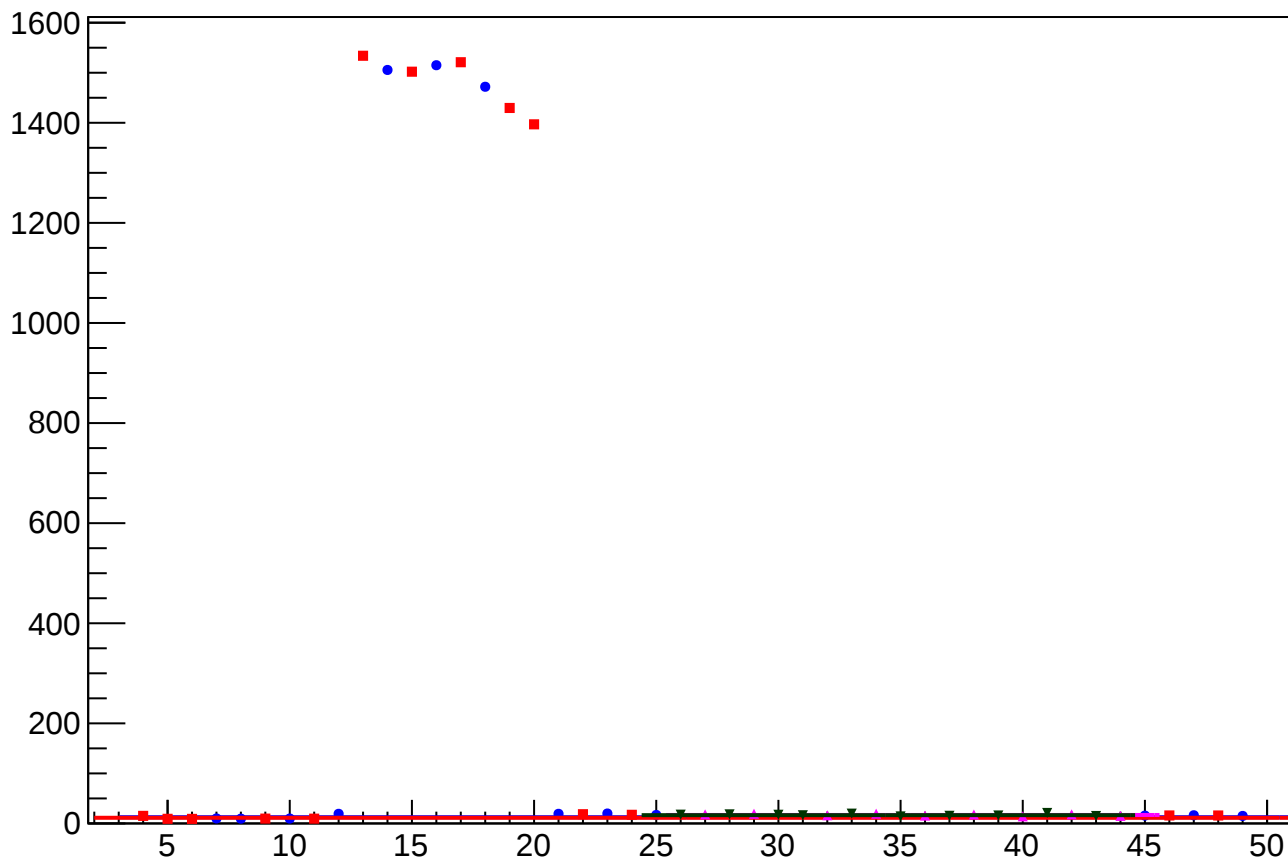
Right Out: 3.559+/-5.557 χ^2/NDF : 8.2/13

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

-0.499+/-4.391 χ^2/NDF : 28.7/22

5.012+/-4.453 χ^2/NDF : 18.9/22

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs slug



Right In: 12.460+/-0.004 χ^2/NDF : 5558830.5/12

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

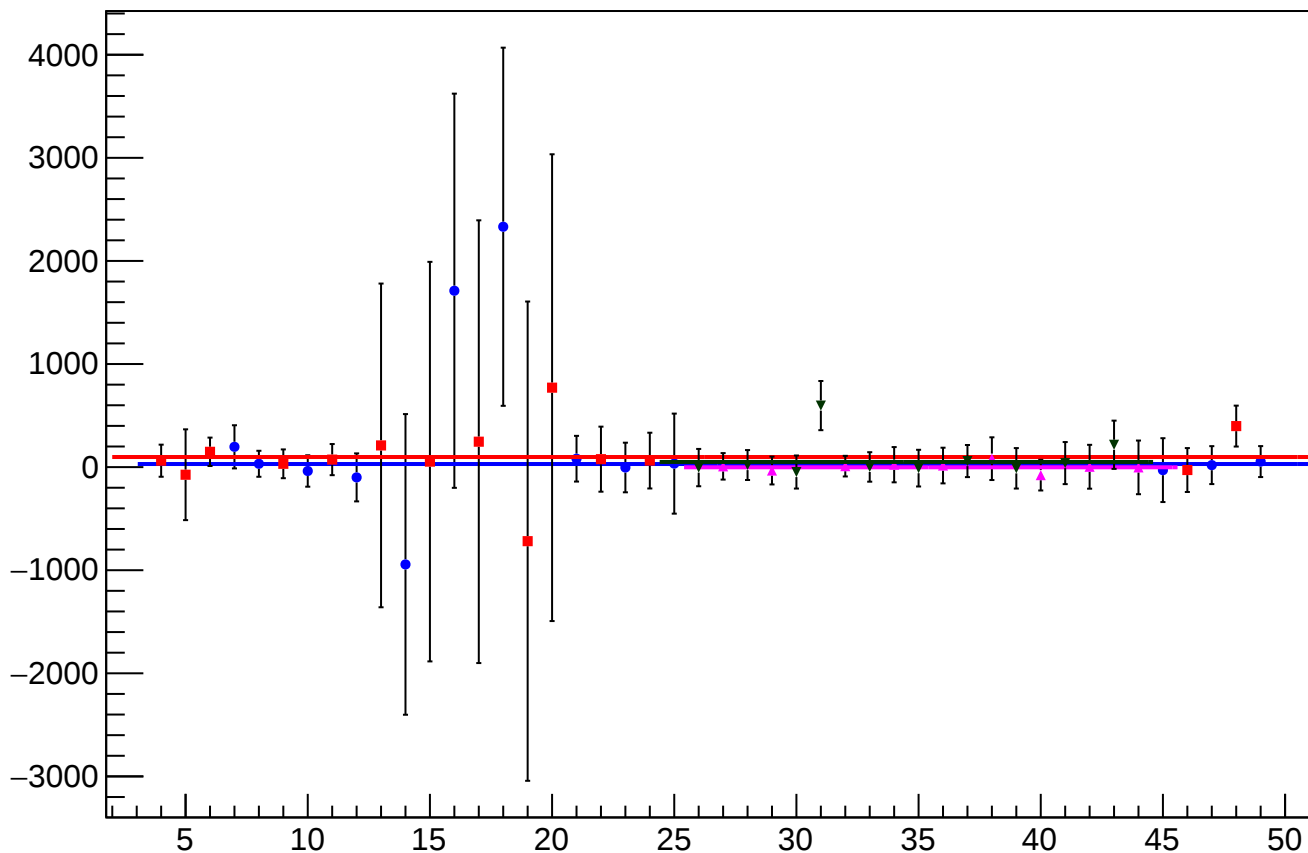
Right Out: 11.347+/-0.004 χ^2/NDF : 6088432.8/13

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

13.899+/-0.003 χ^2/NDF : 6092938.8/22

13.355+/-0.003 χ^2/NDF : 6928882.6/22

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs slug



Right In: 30.089+/-60.356 χ^2/NDF : 4.3/12

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

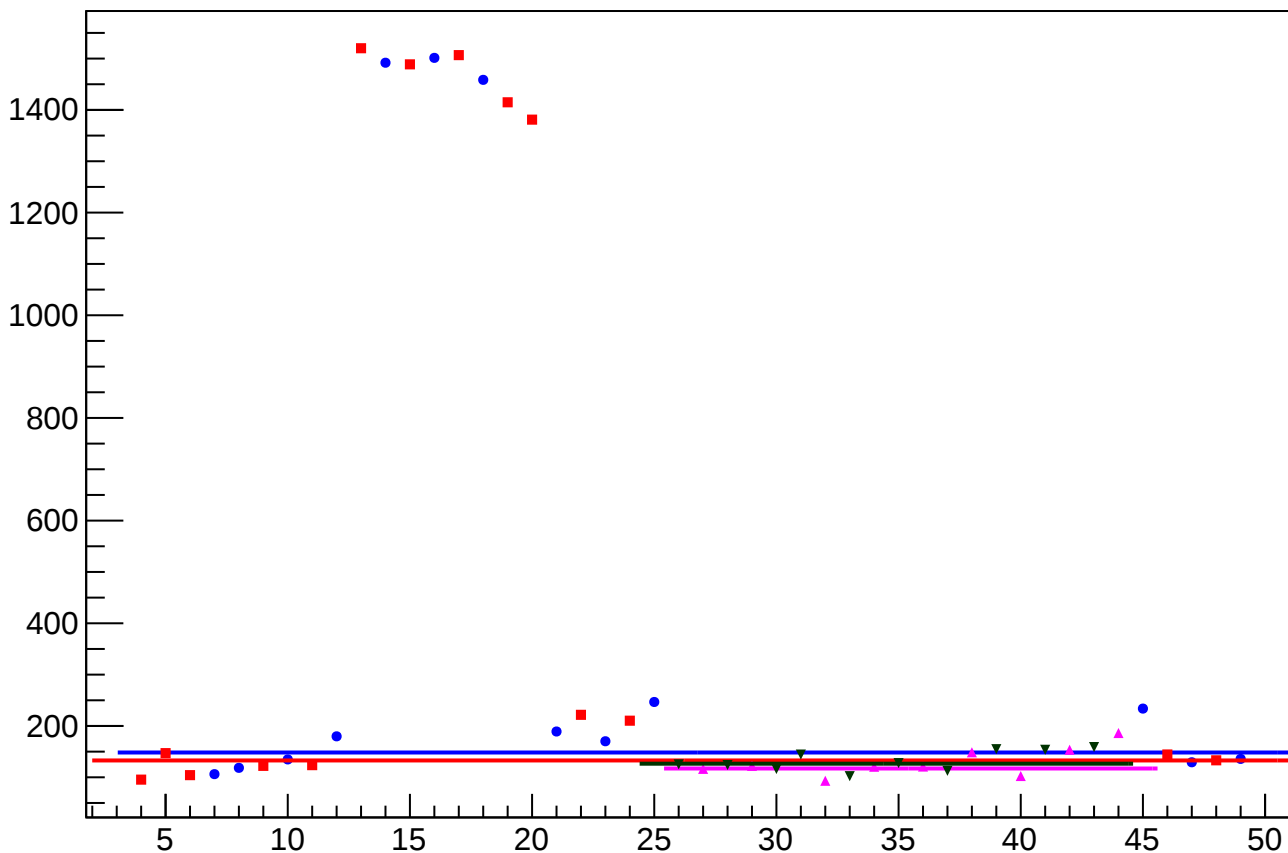
Right Out: 98.063+/-61.229 χ^2/NDF : 3.5/13

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

40.935+/-40.862 χ^2/NDF : 10.9/22

38.890+/-39.063 χ^2/NDF : 5.6/22

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs slug



Right In: 148.316 $\pm$ 0.043 χ^2 /NDF: 4438199.1/12

Left Out: 126.498 $\pm$ 0.039 χ^2 /NDF: 209198.2/9

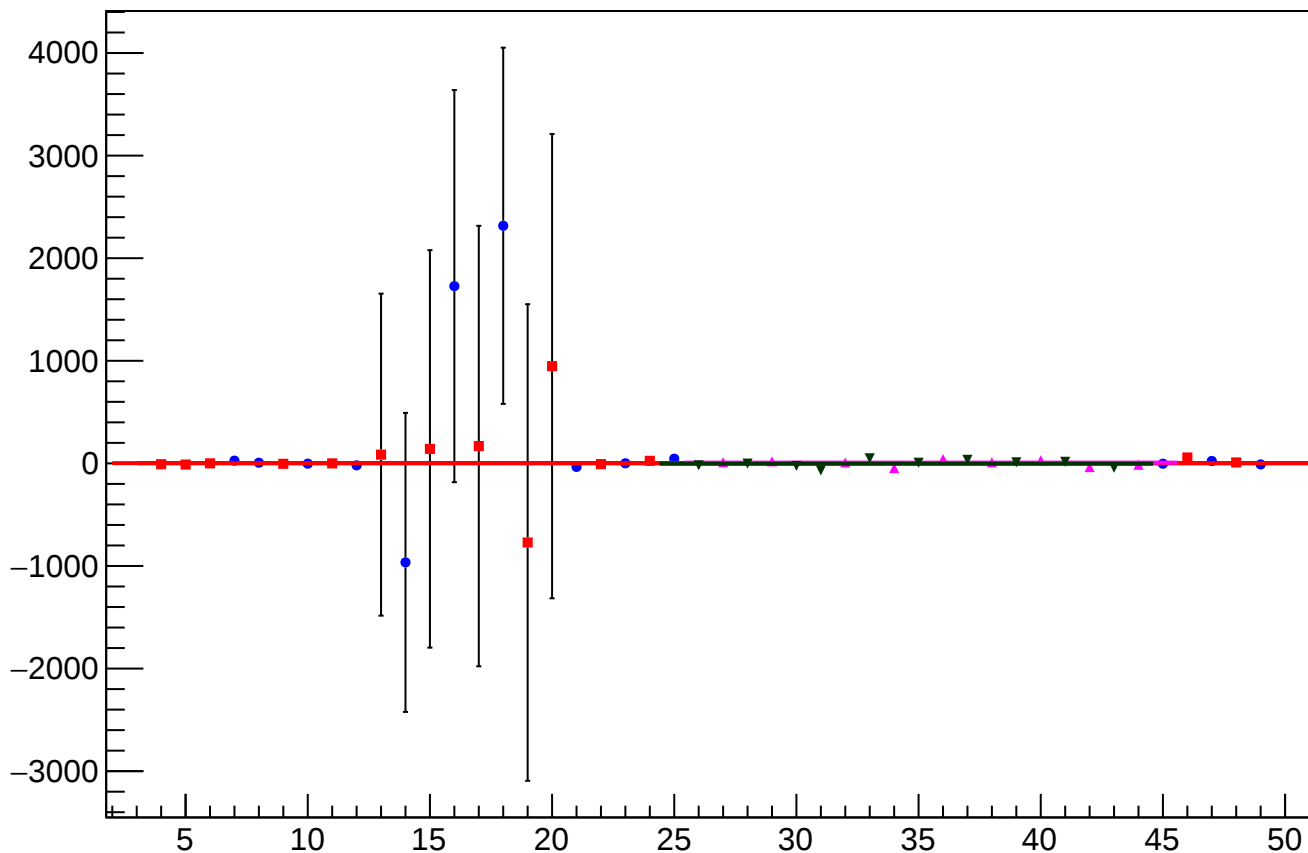
136.498 $\pm$ 0.029 χ^2 /NDF: 4788959.6/22

Right Out: 132.818 $\pm$ 0.043 χ^2 /NDF: 5127268.0/13

123.522 $\pm$ 0.028 χ^2 /NDF: 5589724.4/22

Left In: 117.142 $\pm$ 0.036 χ^2 /NDF: 384721.1/8

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs slug



Right In: 1.959+/-5.004 χ^2/NDF : 11.5/12

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

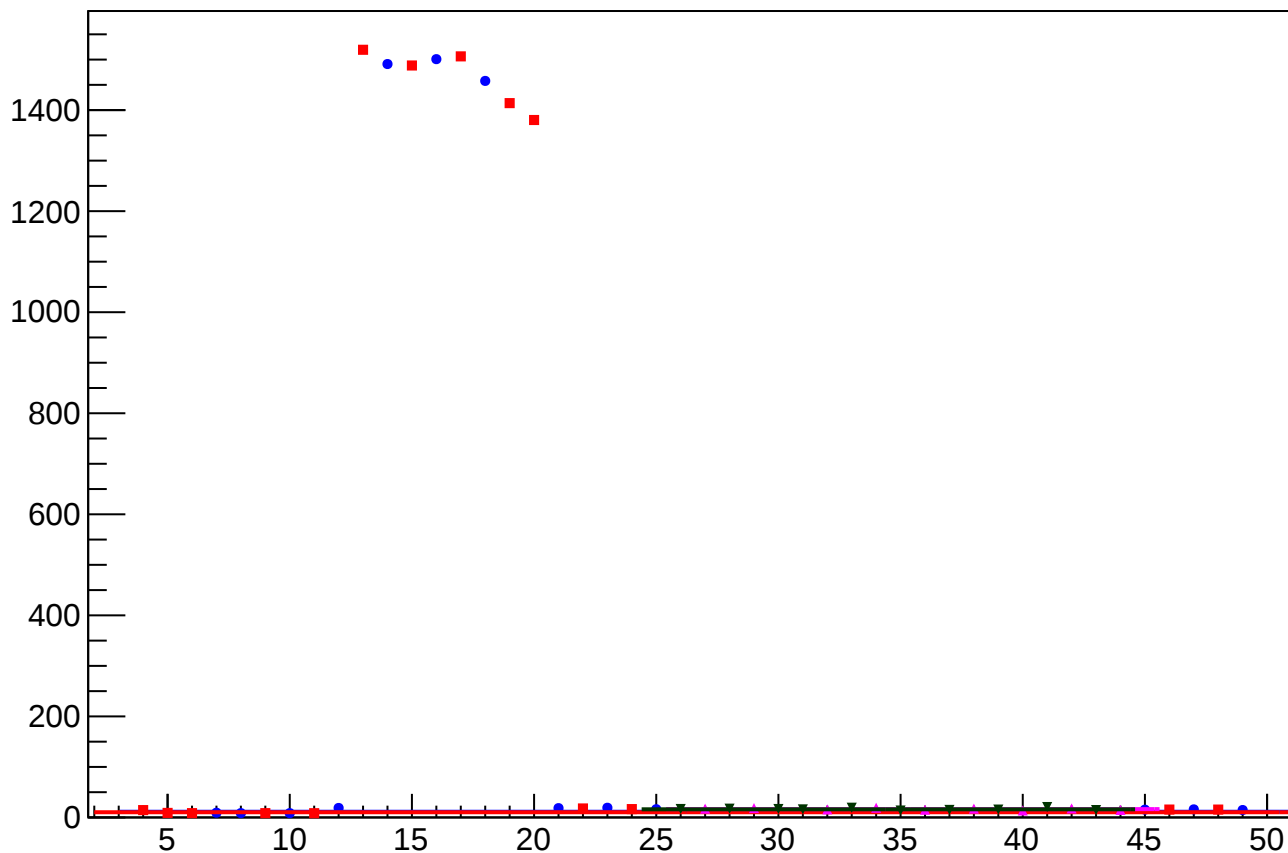
Right Out: 2.453+/-5.105 χ^2/NDF : 8.2/13

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

0.263+/-4.117 χ^2/NDF : 30.0/22

4.176+/-4.175 χ^2/NDF : 19.8/22

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs slug



Right In: 11.282+/-0.004 χ^2/NDF : 5828303.5/12

Left Out: 16.136+/-0.005 χ^2/NDF : 128057.2/9

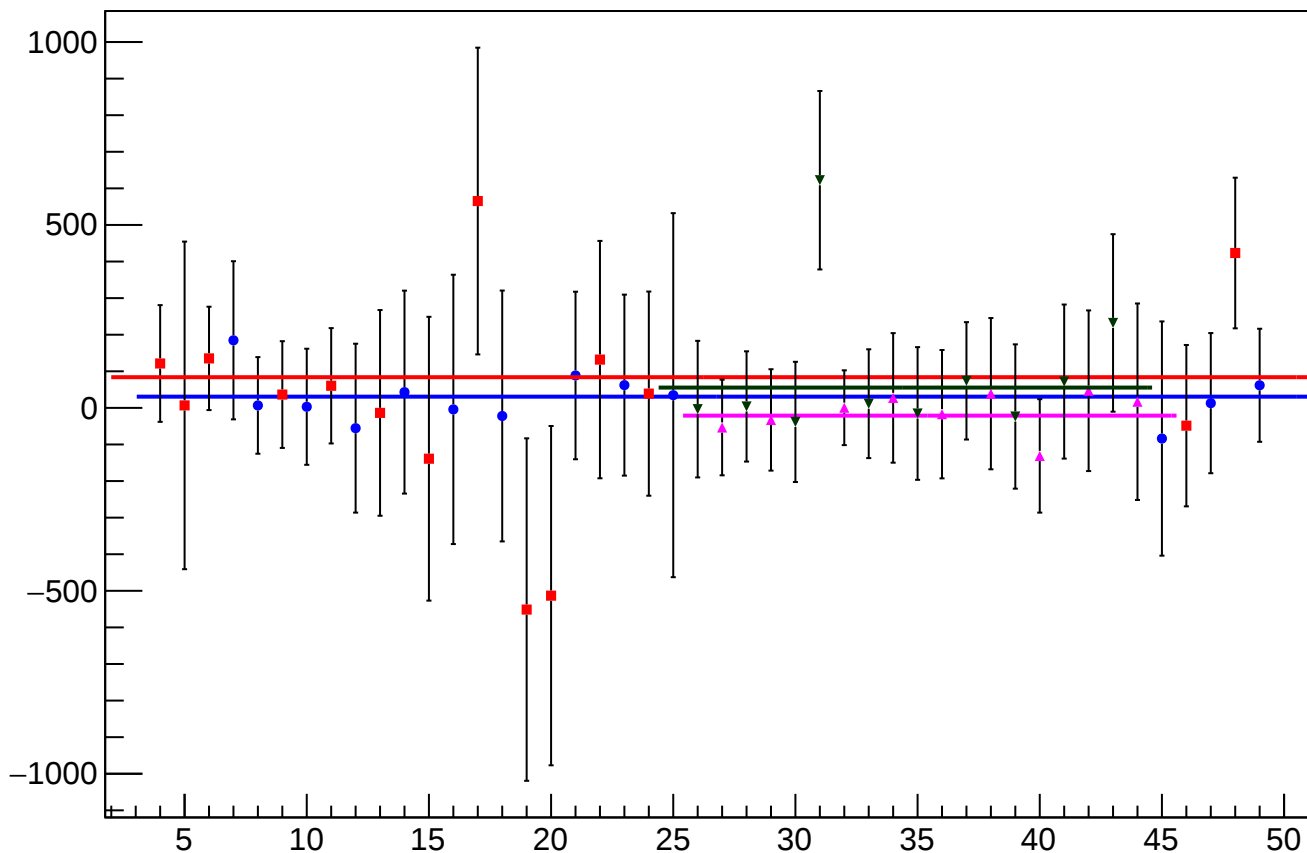
Right Out: 10.316+/-0.004 χ^2/NDF : 6233111.5/13

Left In: 16.504+/-0.005 χ^2/NDF : 102198.9/8

12.850+/-0.003 χ^2/NDF : 6564297.0/22

12.364+/-0.003 χ^2/NDF : 7308276.2/22

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs slug



Right In: 30.696 $\pm$ 59.287 χ^2 /NDF: 1.0/12

Left Out: 55.504 $\pm$ 57.134 χ^2 /NDF:6.9/9

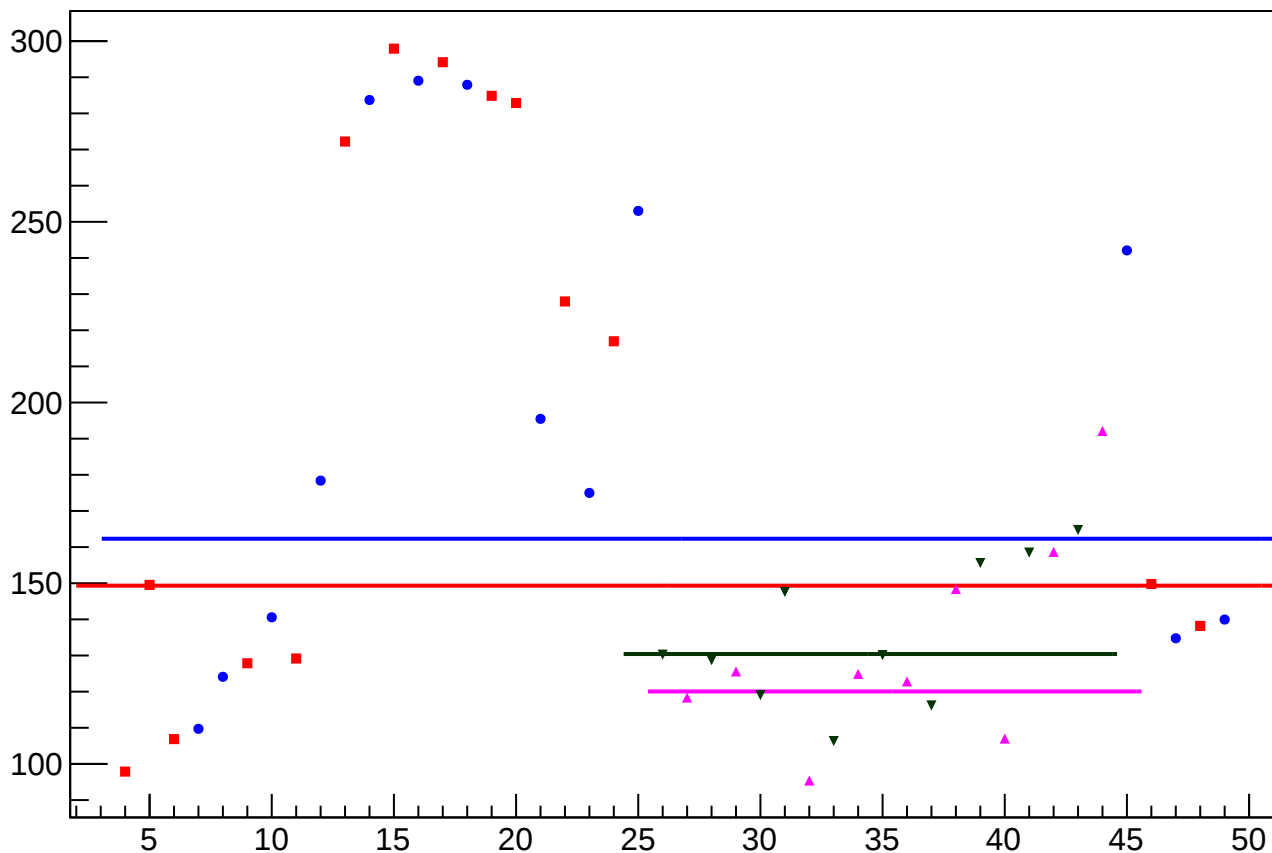
Right Out: 83.887 $\pm$ 59.513 χ^2 /NDF: 8.7/13

Left In: -21.169 $\pm$ 51.965 χ^2 /NDF:0.9/8

43.558 $\pm$ 41.140 χ^2 /NDF: 8.0/22

24.279 $\pm$ 39.143 χ^2 /NDF: 11.4/22

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs slug



Right In: 162.314+/-0.042 χ^2/NDF : 1543092.8/12

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

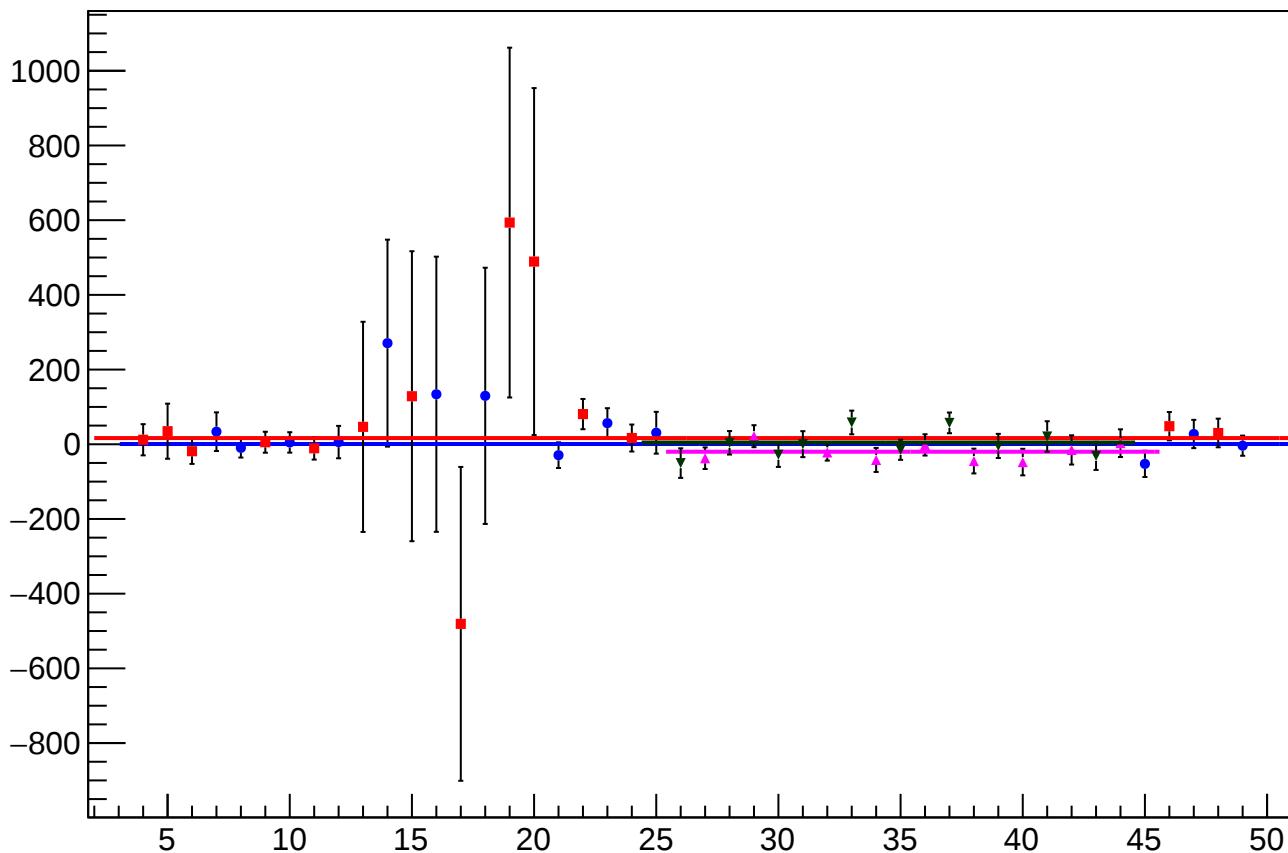
Right Out: 149.329+/-0.042 χ^2/NDF : 1953637.5/13

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

145.773+/-0.029 χ^2/NDF : 2039475.8/22

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

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs slug



Right In: 0.693 ± 10.893 χ^2/NDF : 7.6/12

Left Out: 4.706 ± 10.341 χ^2/NDF : 11.1/9

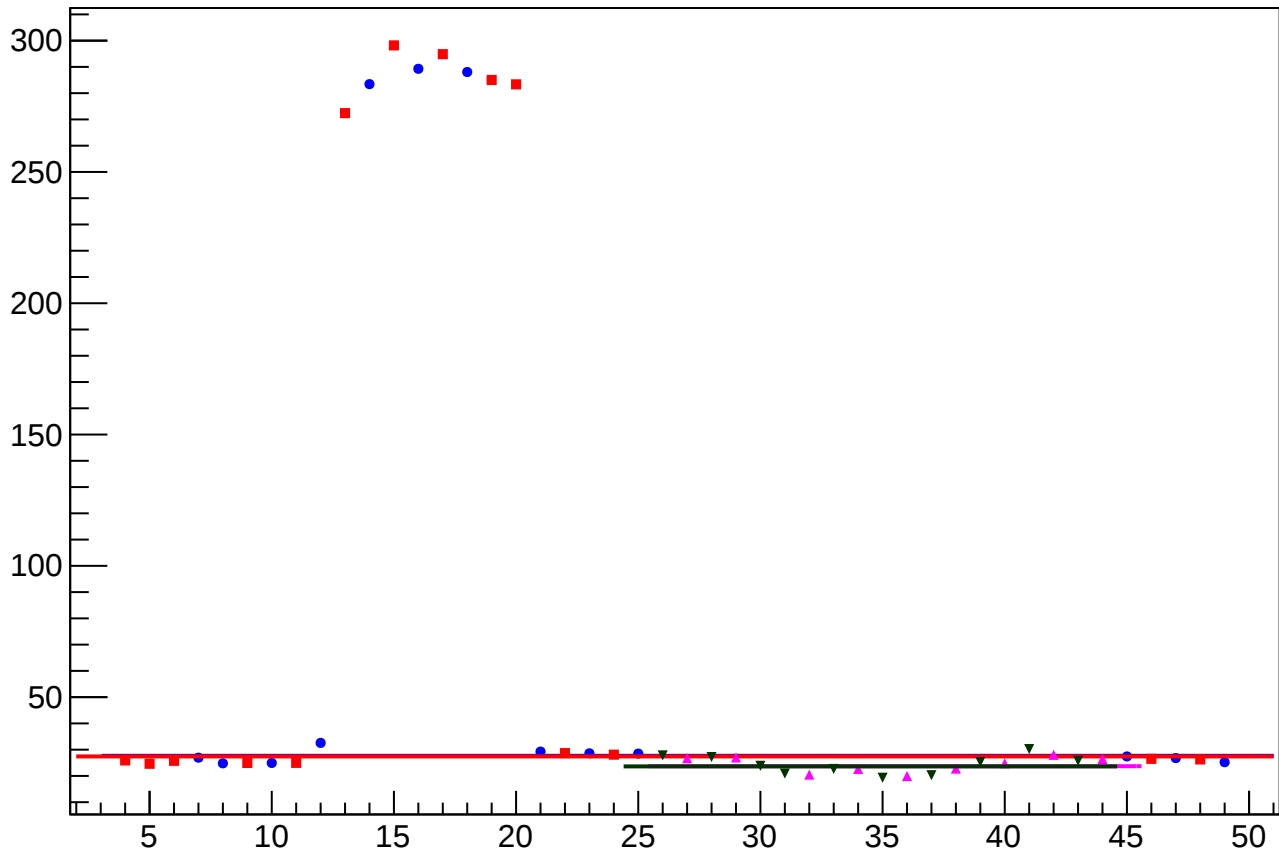
2.803 ± 7.500 χ^2/NDF : 18.8/22

Right Out: 16.617 ± 12.148 χ^2/NDF : 9.5/13

-4.951 ± 7.786 χ^2/NDF : 19.7/22

Left In: -19.983 ± 10.142 χ^2/NDF : 4.8/8

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs slug



Right In: 27.659+/-0.008 χ^2/NDF : 3959662.1/12

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

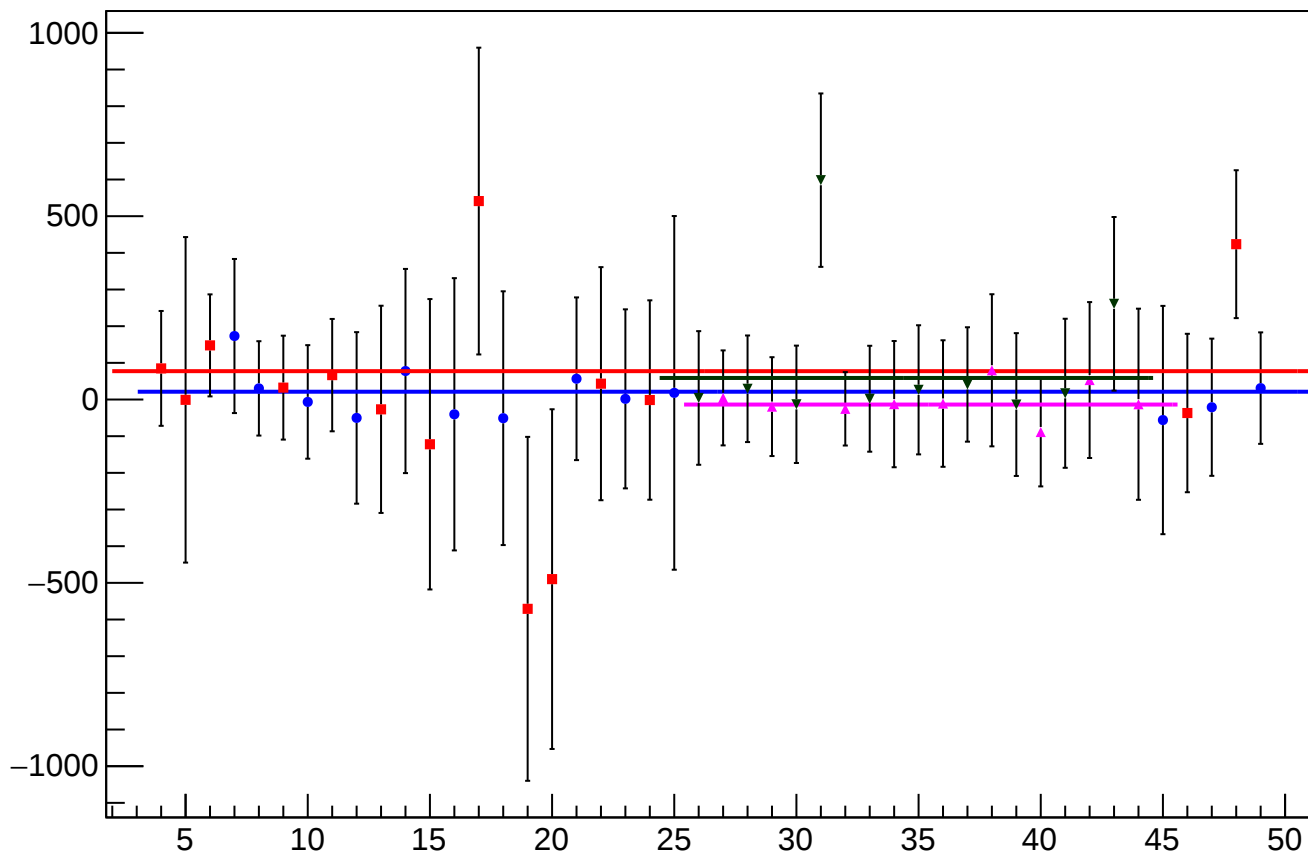
25.539+/-0.005 χ^2/NDF : 4311113.1/22

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: 21.273+/-58.214 χ^2/NDF : 0.9/12

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

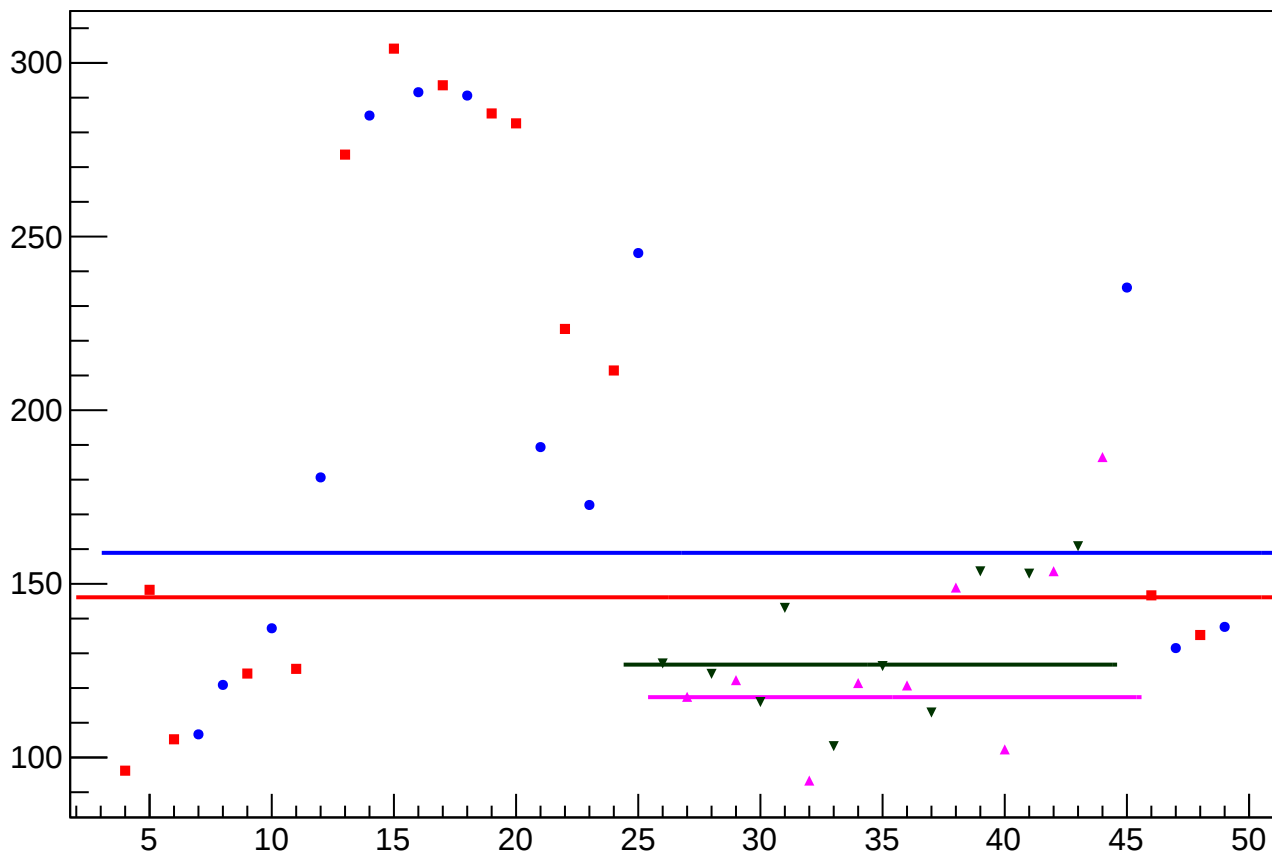
Right Out: 77.342+/-58.403 χ^2/NDF : 8.7/13

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

40.918+/-40.190 χ^2/NDF : 7.8/22

25.509+/-38.333 χ^2/NDF : 10.7/22

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs slug



Right In: 158.928 $\pm$ 0.041 χ^2 /NDF: 1619800.9/12

Left Out: 126.741 $\pm$ 0.039 χ^2 /NDF: 200512.0/9

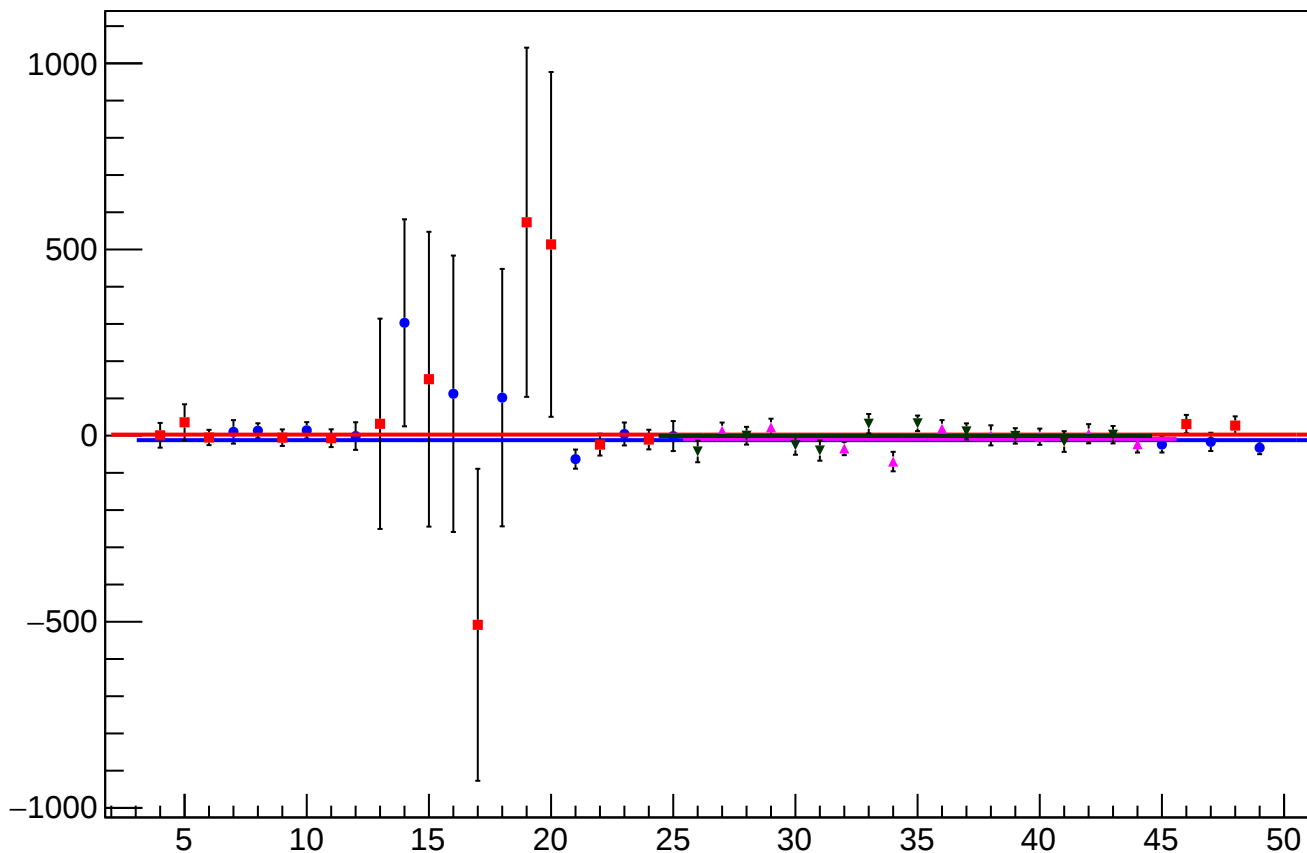
Right Out: 146.128 $\pm$ 0.041 χ^2 /NDF: 2023565.0/13

Left In: 117.371 $\pm$ 0.036 χ^2 /NDF: 385529.6/8

142.082 $\pm$ 0.028 χ^2 /NDF: 2140332.7/22

129.760 $\pm$ 0.027 χ^2 /NDF: 2685094.7/22

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs slug



Right In: -12.168+/-7.740 χ^2/NDF : 11.2/12

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

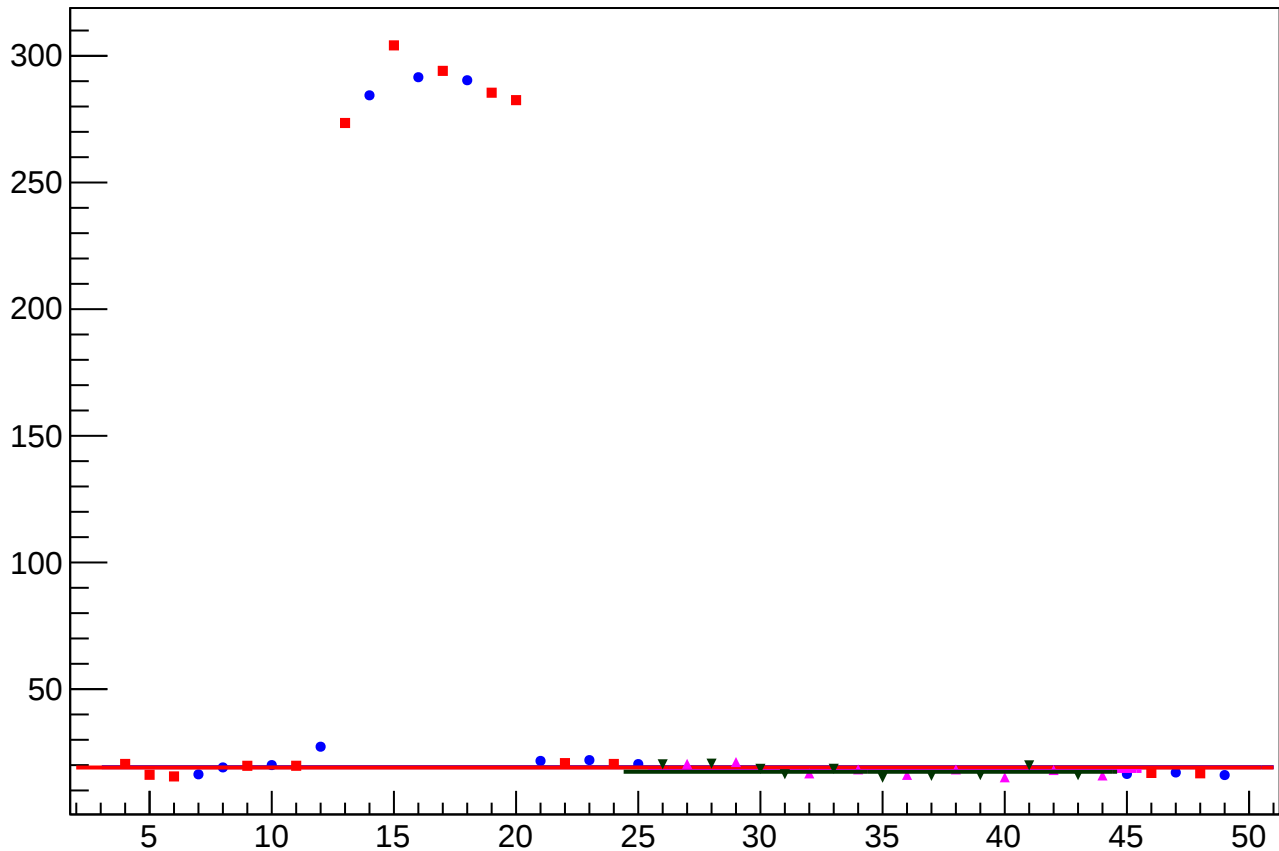
Right Out: 2.746+/-8.637 χ^2/NDF : 8.6/13

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

-6.454+/-5.436 χ^2/NDF : 22.1/22

-3.661+/-5.707 χ^2/NDF : 22.1/22

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs slug



Right In: 19.188 $\pm$ 0.005 χ^2 /NDF: 4388294.8/12

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

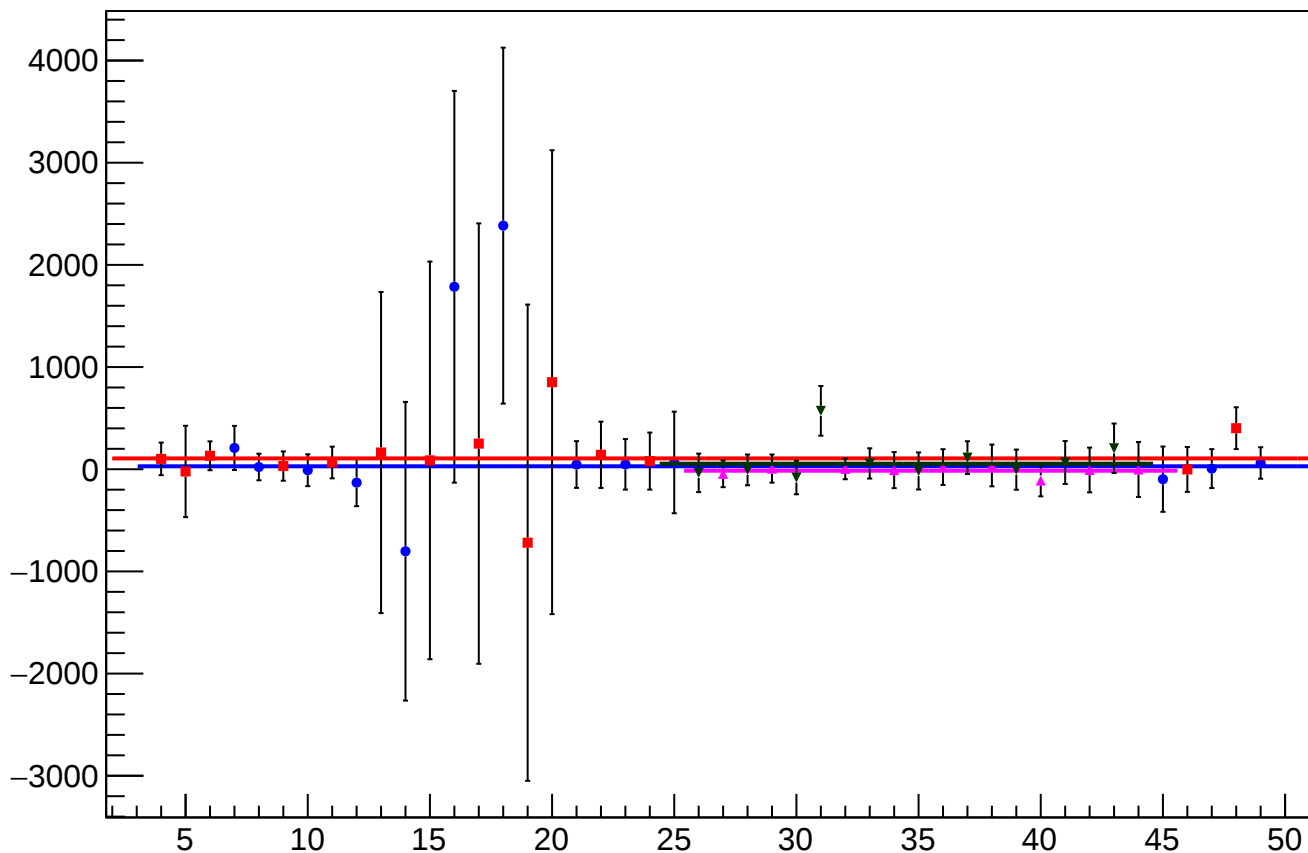
Right Out: 19.059 $\pm$ 0.006 χ^2 /NDF: 4931202.6/13

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

18.273 $\pm$ 0.004 χ^2 /NDF: 4579681.2/22

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

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs slug



Right In: 28.823+/-61.925 χ^2/NDF : 4.5/12

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

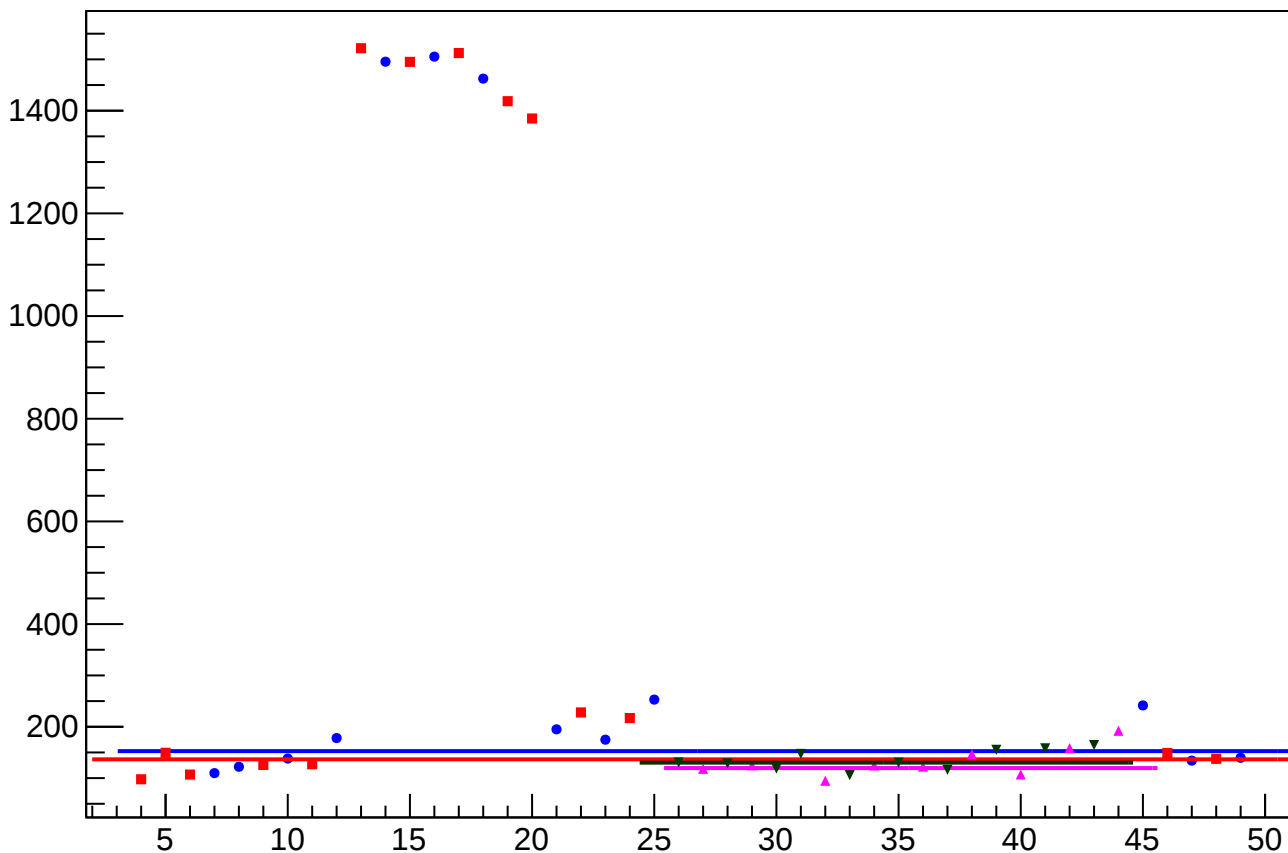
Right Out: 105.954+/-62.875 χ^2/NDF : 3.0/13

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

42.663+/-41.962 χ^2/NDF : 10.9/22

34.207+/-39.967 χ^2/NDF : 5.8/22

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs slug



Right In: 152.517+/-0.044 χ^2/NDF : 4400967.9/12

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

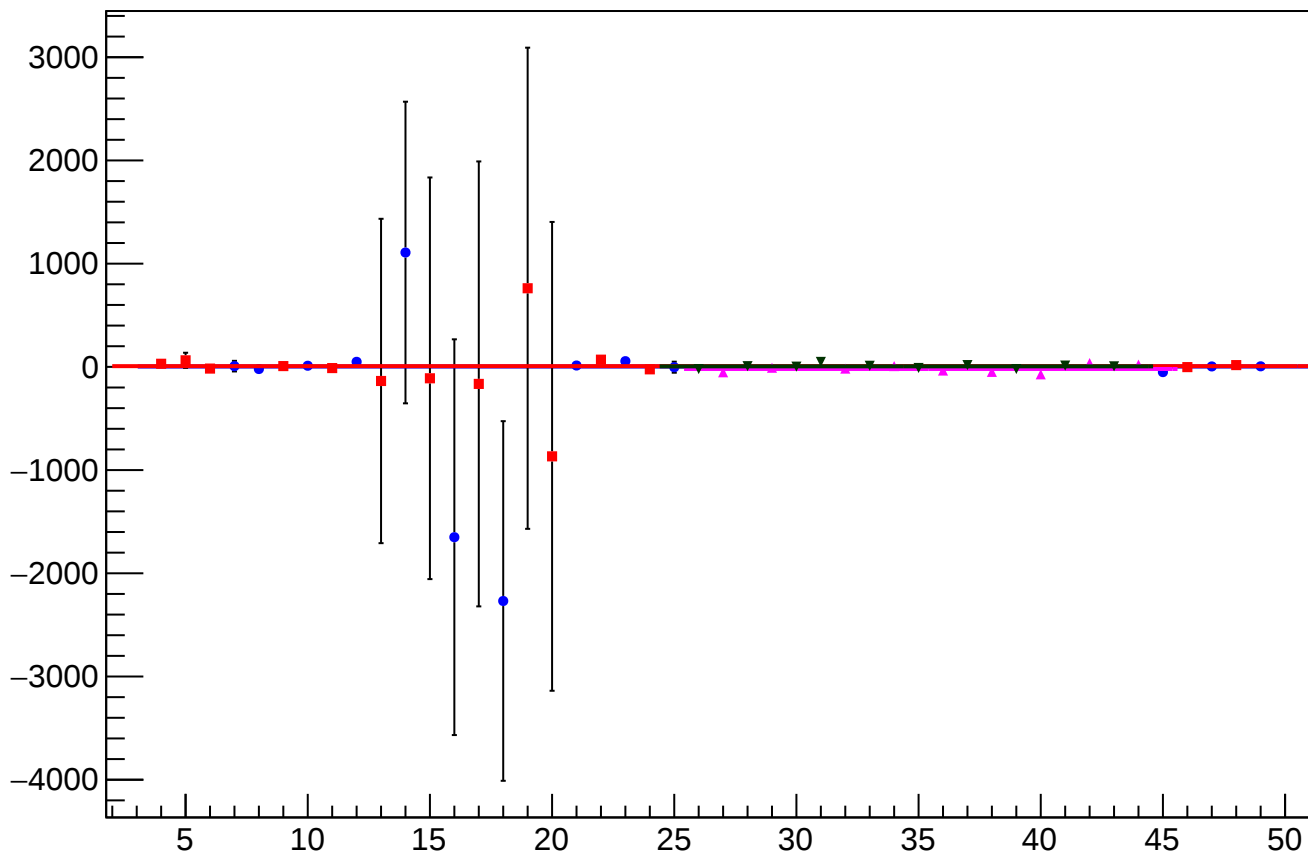
Right Out: 136.551+/-0.044 χ^2/NDF : 5112145.4/13

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

140.417+/-0.030 χ^2/NDF : 4739283.5/22

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

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs slug



Right In: 3.338 $\pm$ 10.562 χ^2 /NDF: 9.7/12

Left Out: 5.137 $\pm$ 9.787 χ^2 /NDF: 3.6/9

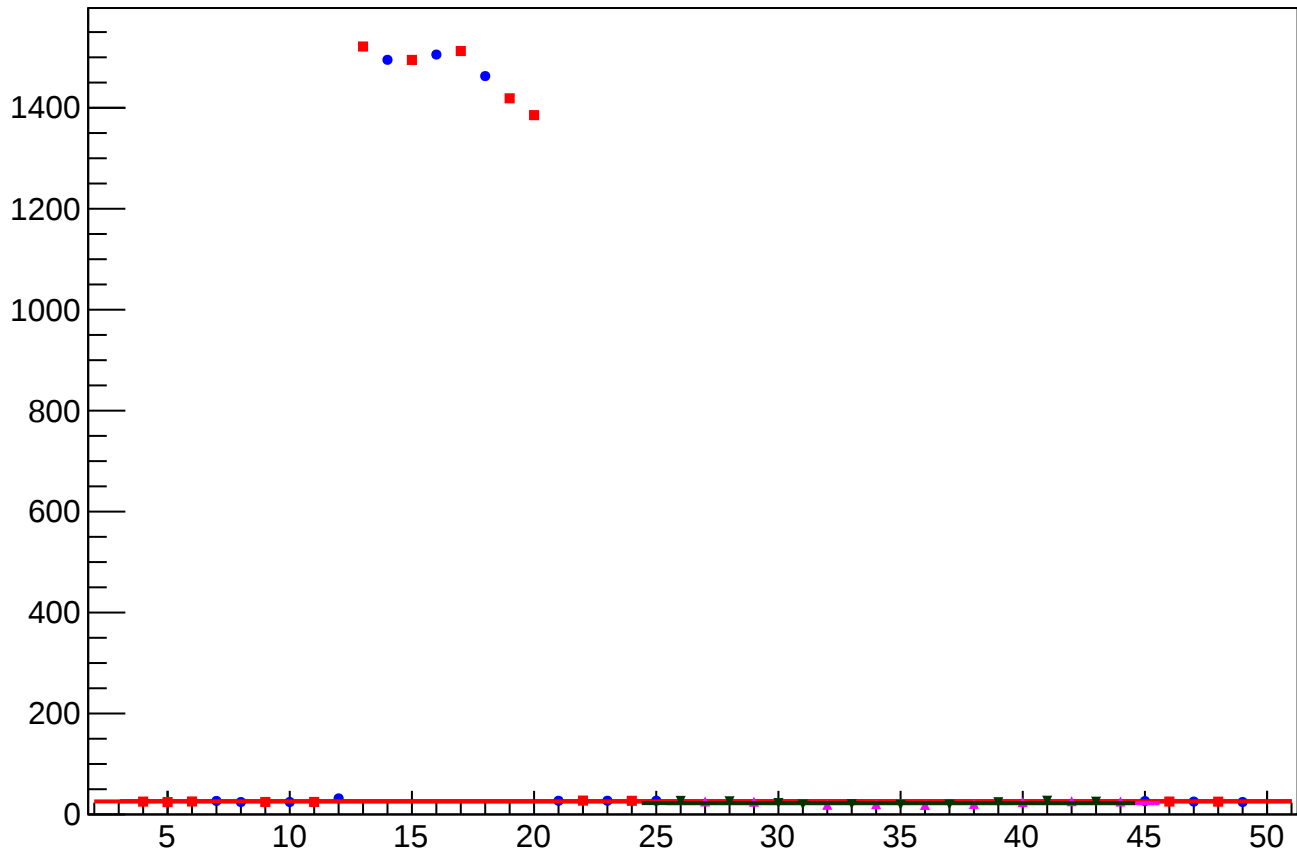
Right Out: 7.013 $\pm$ 11.891 χ^2 /NDF: 5.6/13

Left In: -20.467 $\pm$ 9.485 χ^2 /NDF: 9.8/8

4.306 $\pm$ 7.179 χ^2 /NDF: 13.3/22

-9.782 $\pm$ 7.415 χ^2 /NDF: 18.7/22

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs slug



Right In: 26.174 $\pm$ 0.007 χ^2 /NDF: 4633811.8/12

Left Out: 22.469 $\pm$ 0.007 χ^2 /NDF:192593.7/9

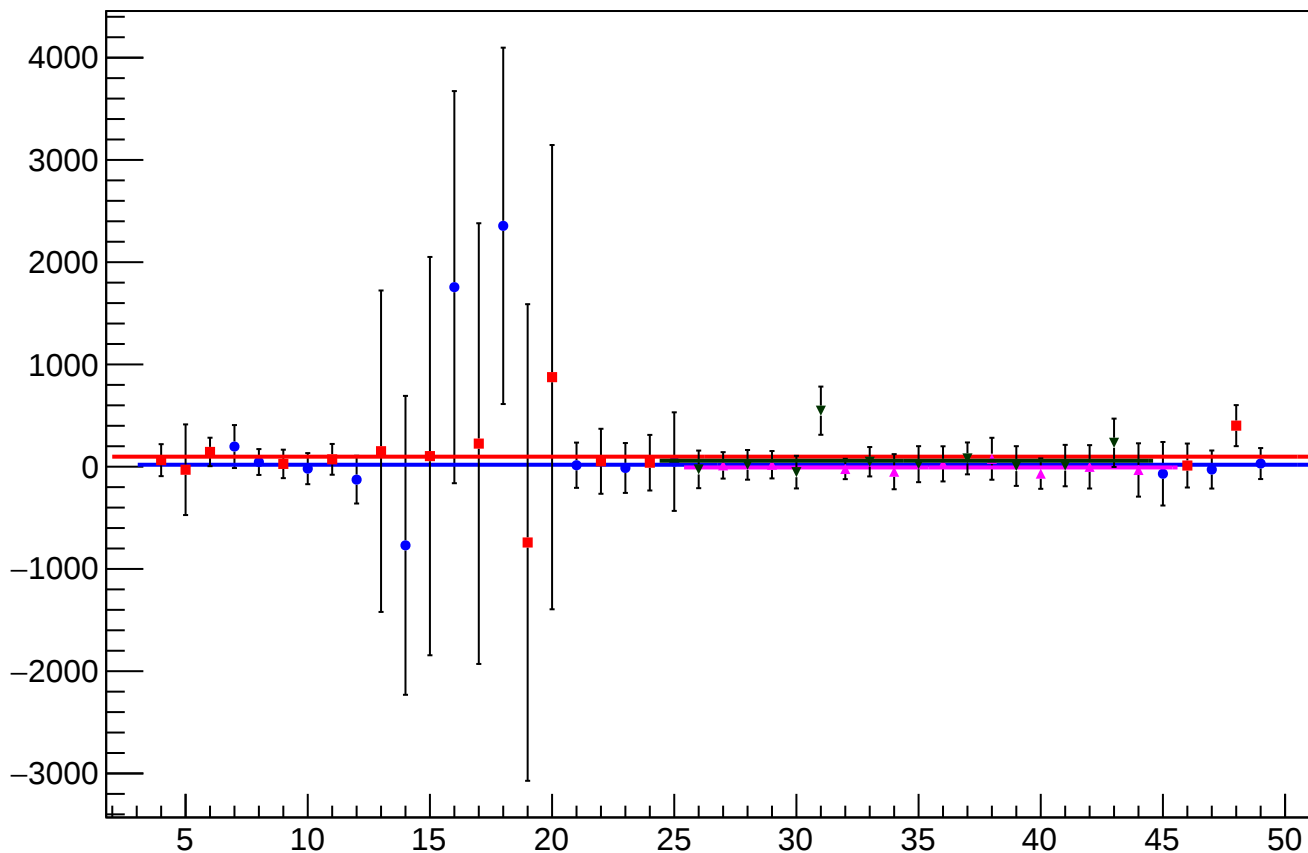
Right Out: 25.837 $\pm$ 0.008 χ^2 /NDF: 5347582.3/13

Left In: 22.294 $\pm$ 0.007 χ^2 /NDF:193997.0/8

24.180 $\pm$ 0.005 χ^2 /NDF: 4958824.5/22

23.672 $\pm$ 0.005 χ^2 /NDF: 5650041.1/22

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs slug



Right In: 19.015+/-60.622 χ^2/NDF : 4.3/12

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

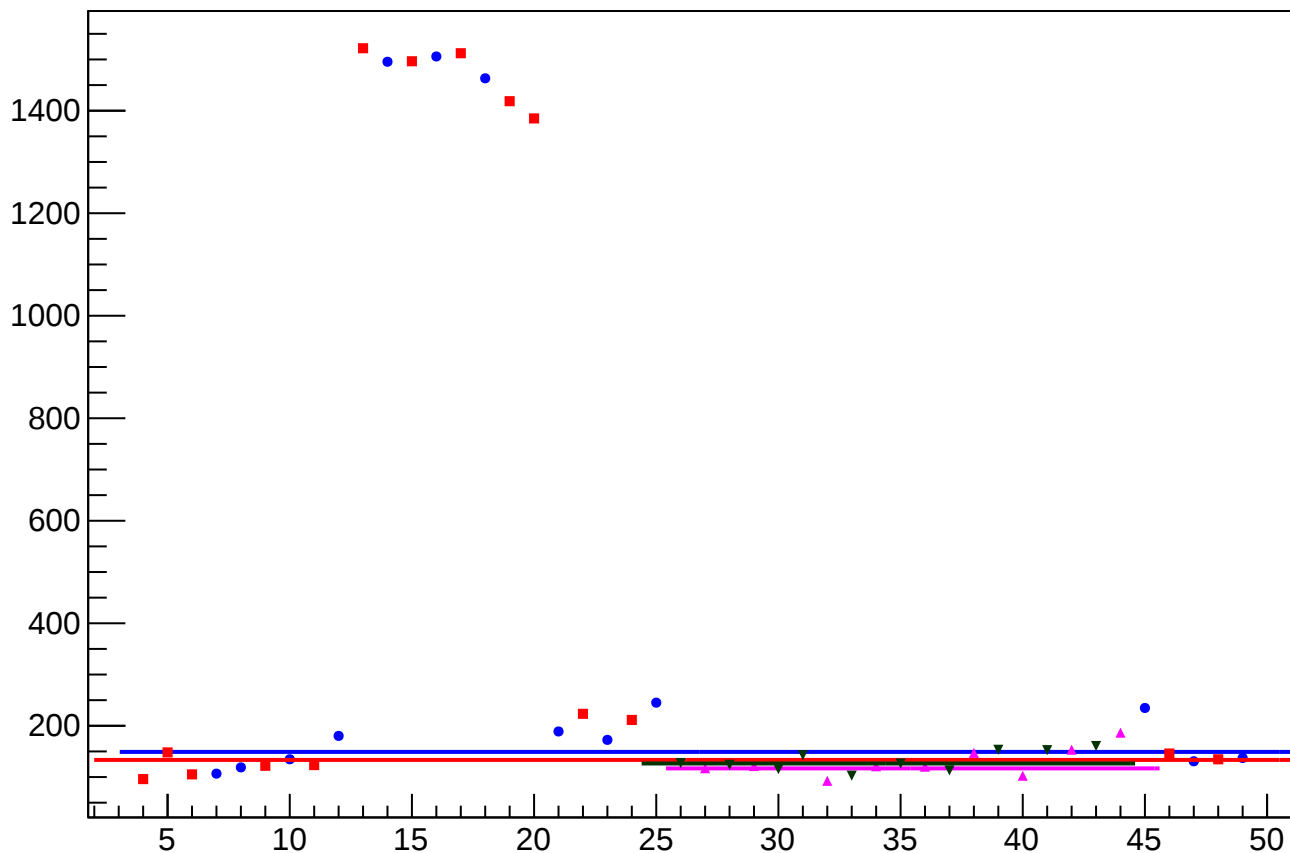
Right Out: 97.980+/-61.482 χ^2/NDF : 3.3/13

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

40.387+/-40.924 χ^2/NDF : 10.4/22

35.203+/-39.077 χ^2/NDF : 5.6/22

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs slug



Right In: 149.068 ± 0.043 χ^2/NDF : 4431497.6/12

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

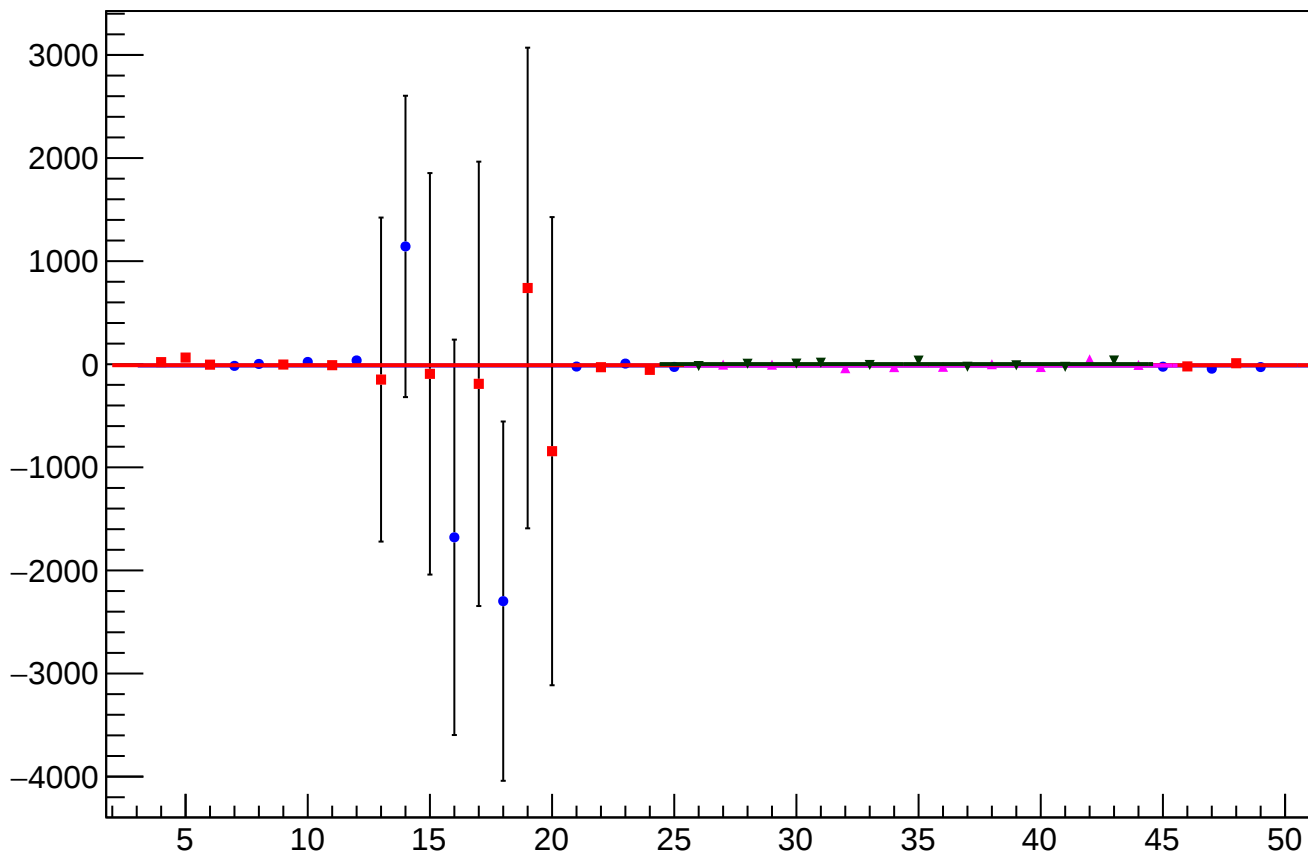
Right Out: 133.411 ± 0.043 χ^2/NDF : 5127314.7/13

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

136.764 ± 0.029 χ^2/NDF : 4784511.8/22

123.574 ± 0.028 χ^2/NDF : 5599732.1/22

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs slug



Right In: -12.133+/-7.302 χ^2/NDF : 12.1/12

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

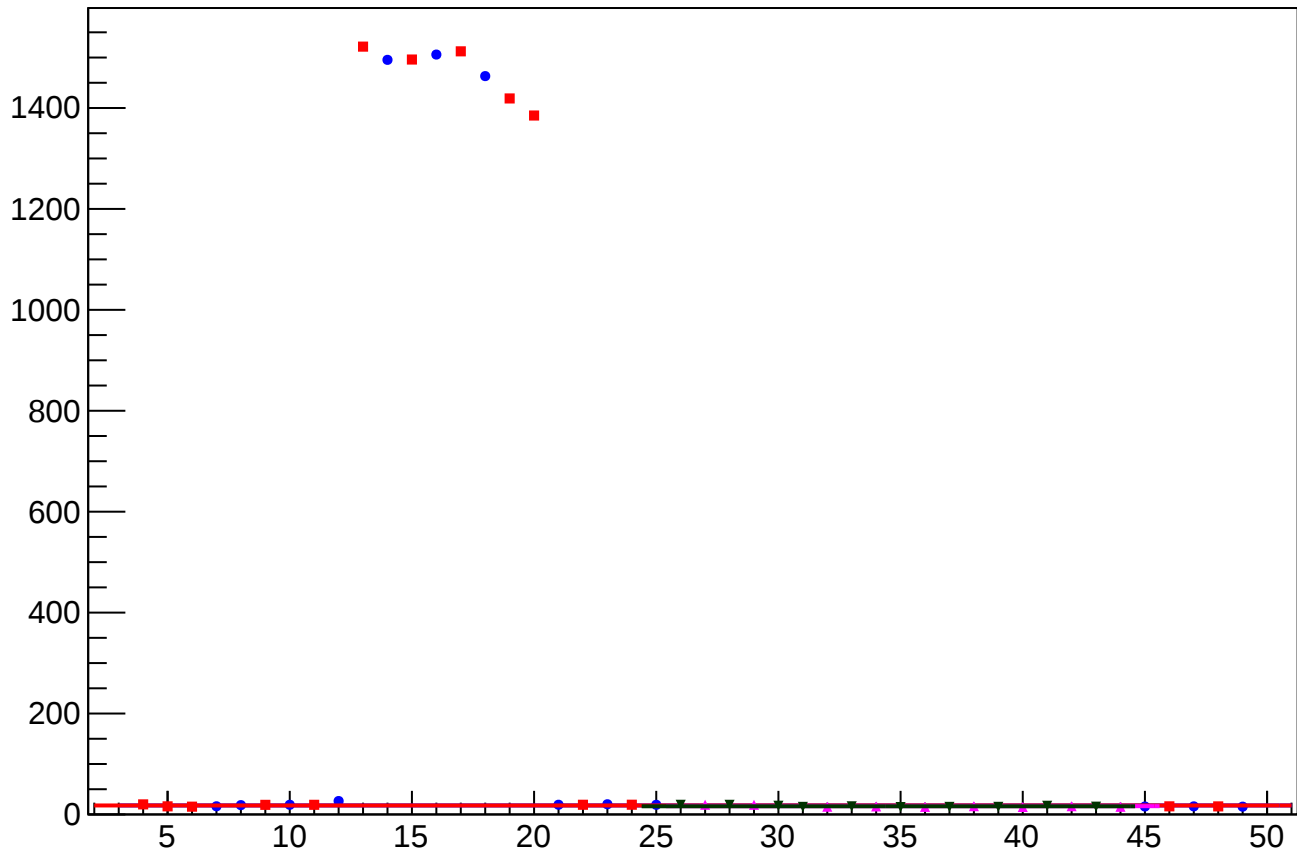
Right Out: -9.337+/-8.273 χ^2/NDF : 8.4/13

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

-5.126+/-5.072 χ^2/NDF : 23.3/22

-10.901+/-5.321 χ^2/NDF : 19.9/22

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs slug



Right In: 17.872+/-0.005 χ^2 /NDF: 4858754.5/12

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

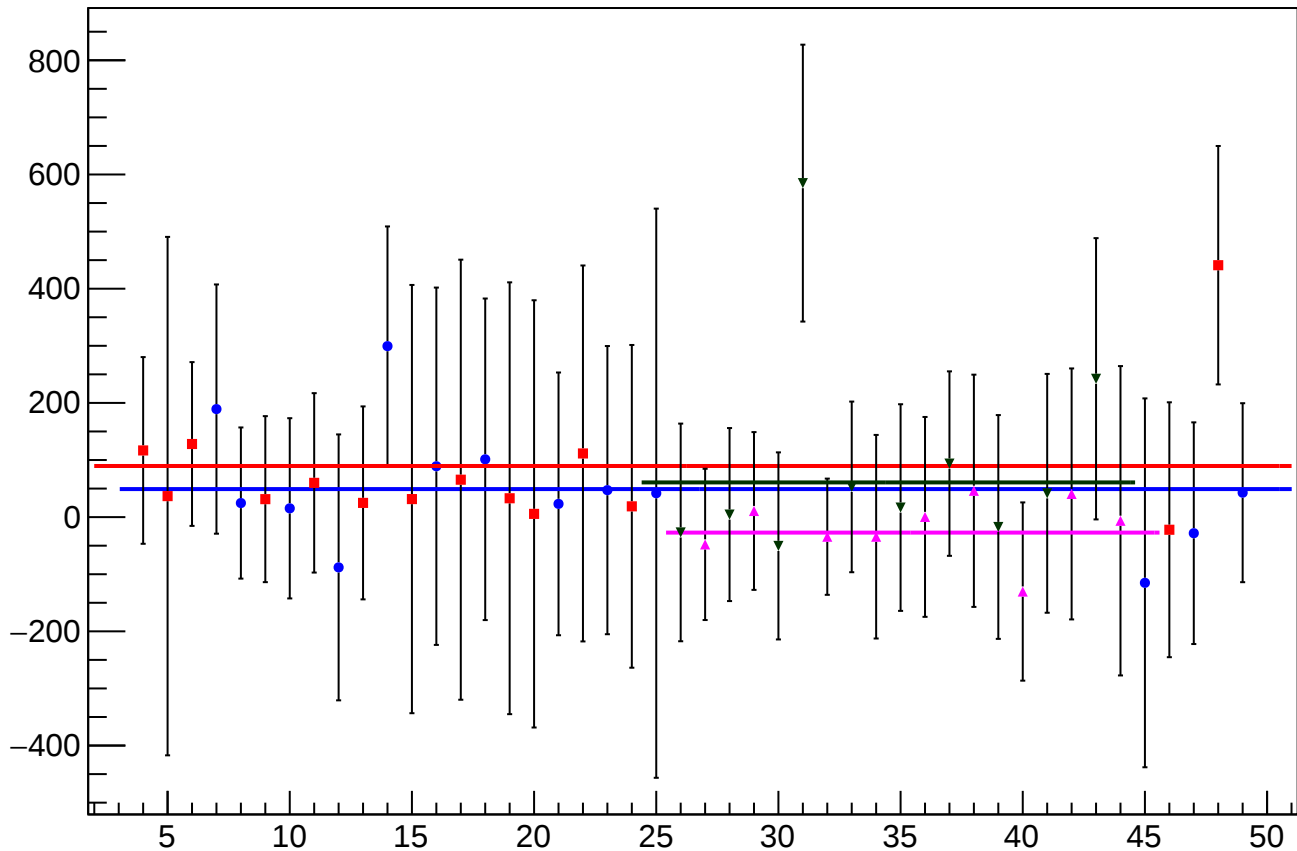
Right Out: 17.819+/-0.006 χ^2 /NDF: 5481641.0/13

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

17.017+/-0.004 χ^2 /NDF: 5008911.1/22

16.976+/-0.004 χ^2 /NDF: 5621398.0/22

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs slug



Right In: 49.113+/-57.951 χ^2/NDF : 2.7/12

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

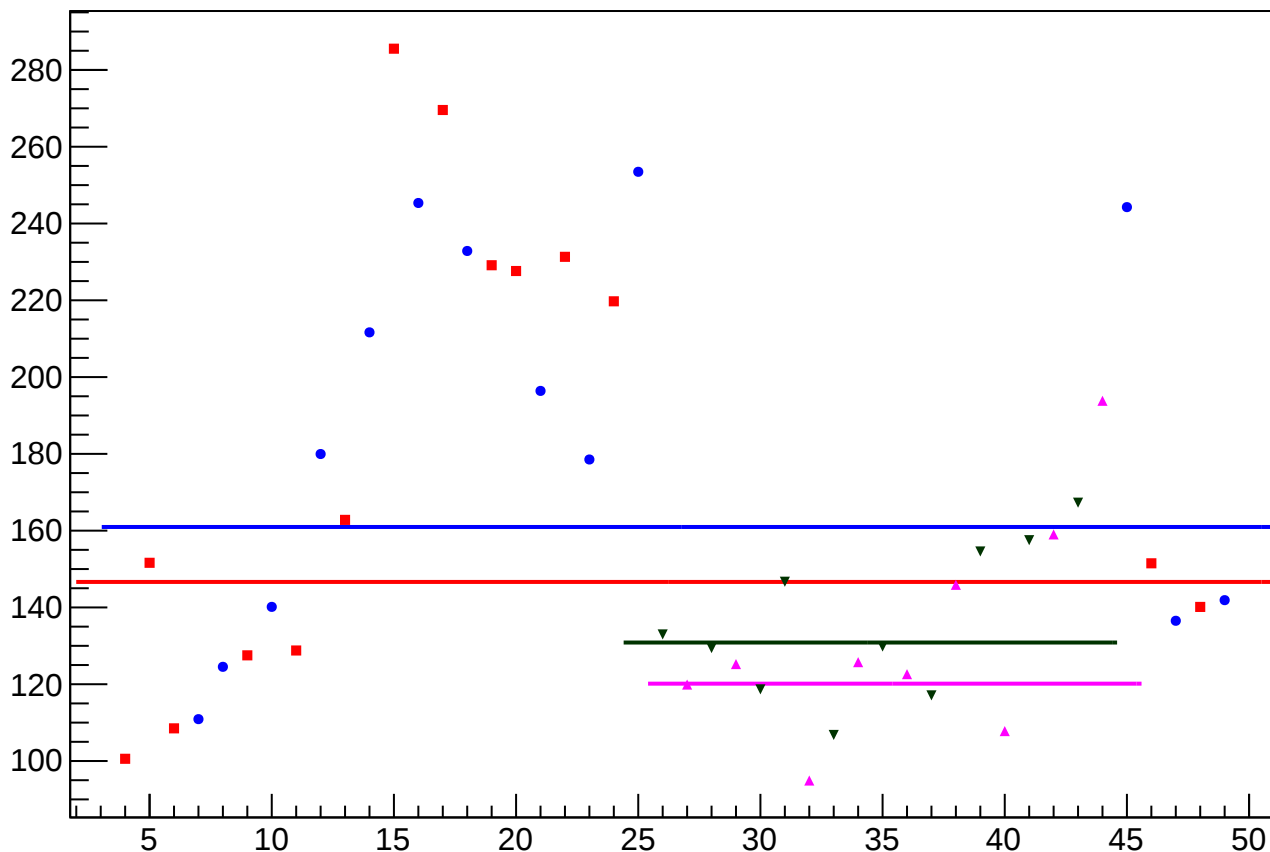
Right Out: 89.543+/-57.113 χ^2/NDF : 3.7/13

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

55.008+/-40.749 χ^2/NDF : 9.1/22

25.773+/-38.454 χ^2/NDF : 6.8/22

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs slug



Right In: 160.959+/-0.041 χ^2/NDF : 1018203.6/12

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

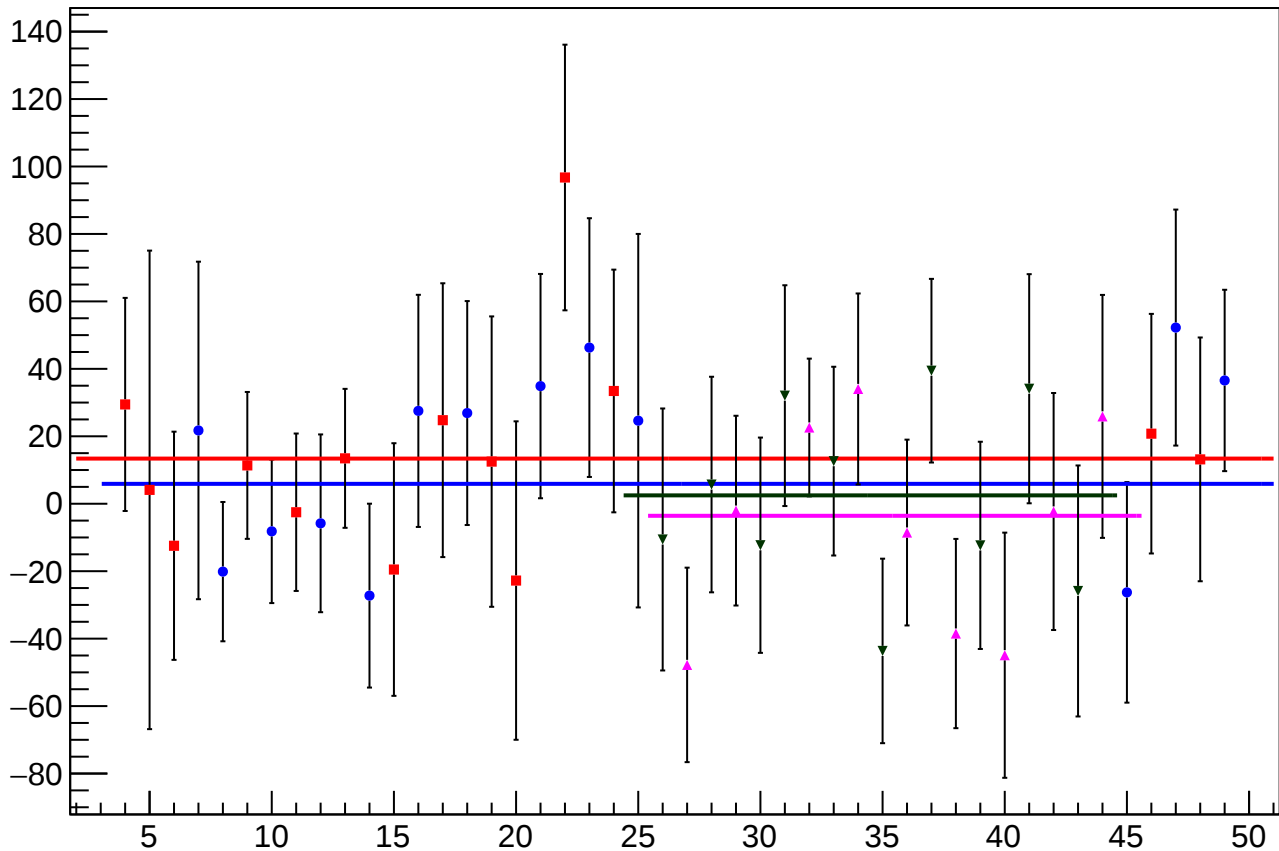
145.743+/-0.029 χ^2/NDF : 1483035.9/22

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: 5.899 $\pm$ 8.295 χ^2 /NDF: 10.6/12

Left Out: 2.482 $\pm$ 9.918 χ^2 /NDF: 7.7/9

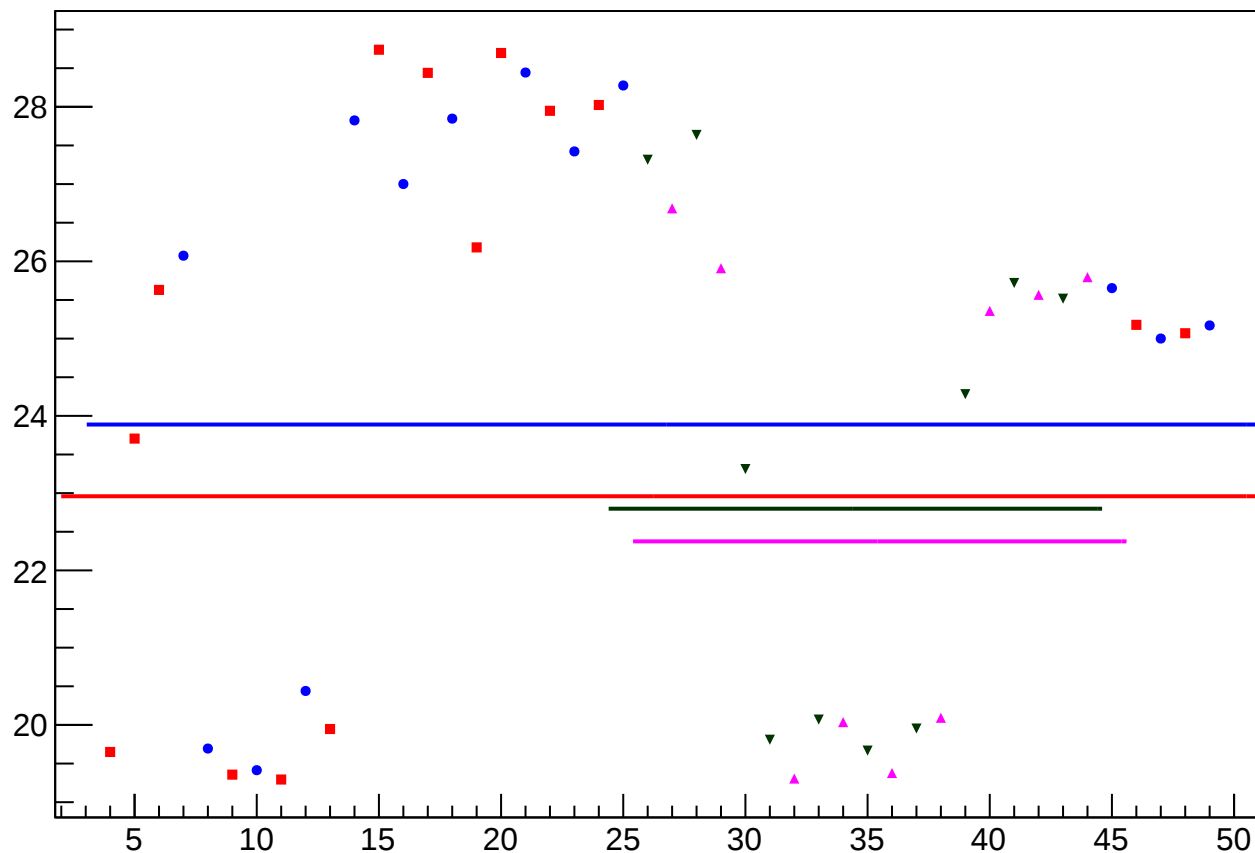
Right Out: 13.389 $\pm$ 8.557 χ^2 /NDF: 7.6/13

Left In: -3.573 $\pm$ 9.519 χ^2 /NDF: 9.3/8

4.492 $\pm$ 6.363 χ^2 /NDF: 18.3/22

5.808 $\pm$ 6.364 χ^2 /NDF: 18.7/22

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs slug



Right In: 23.888+/-0.006 χ^2 /NDF: 374866.6/12

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

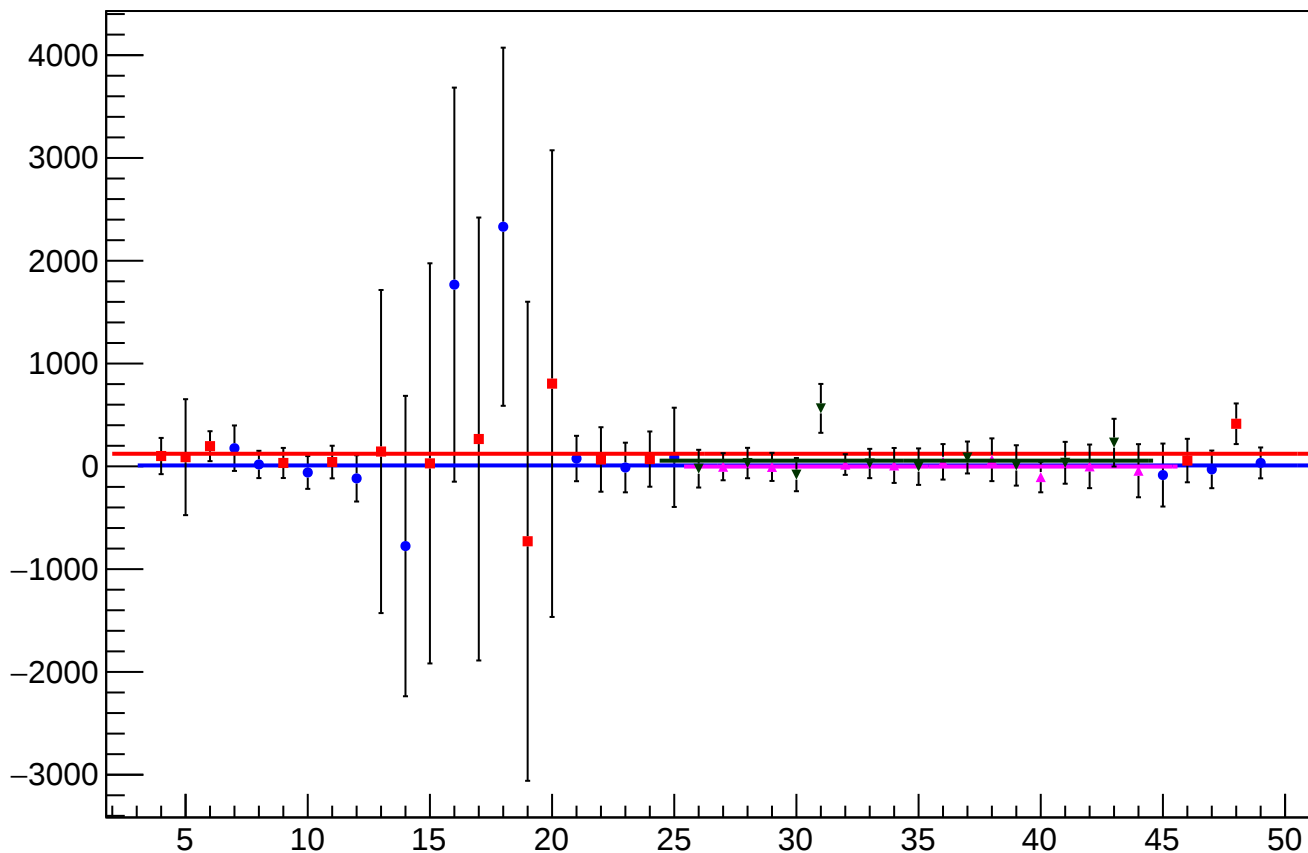
Right Out: 22.960+/-0.006 χ^2 /NDF: 392580.1/13

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

23.439+/-0.004 χ^2 /NDF: 576317.9/22

22.699+/-0.004 χ^2 /NDF: 616776.6/22

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs slug



Right In: 8.822 ± 61.525 χ^2/NDF : 4.3/12

Left Out: 55.403 ± 55.677 χ^2/NDF : 6.3/9

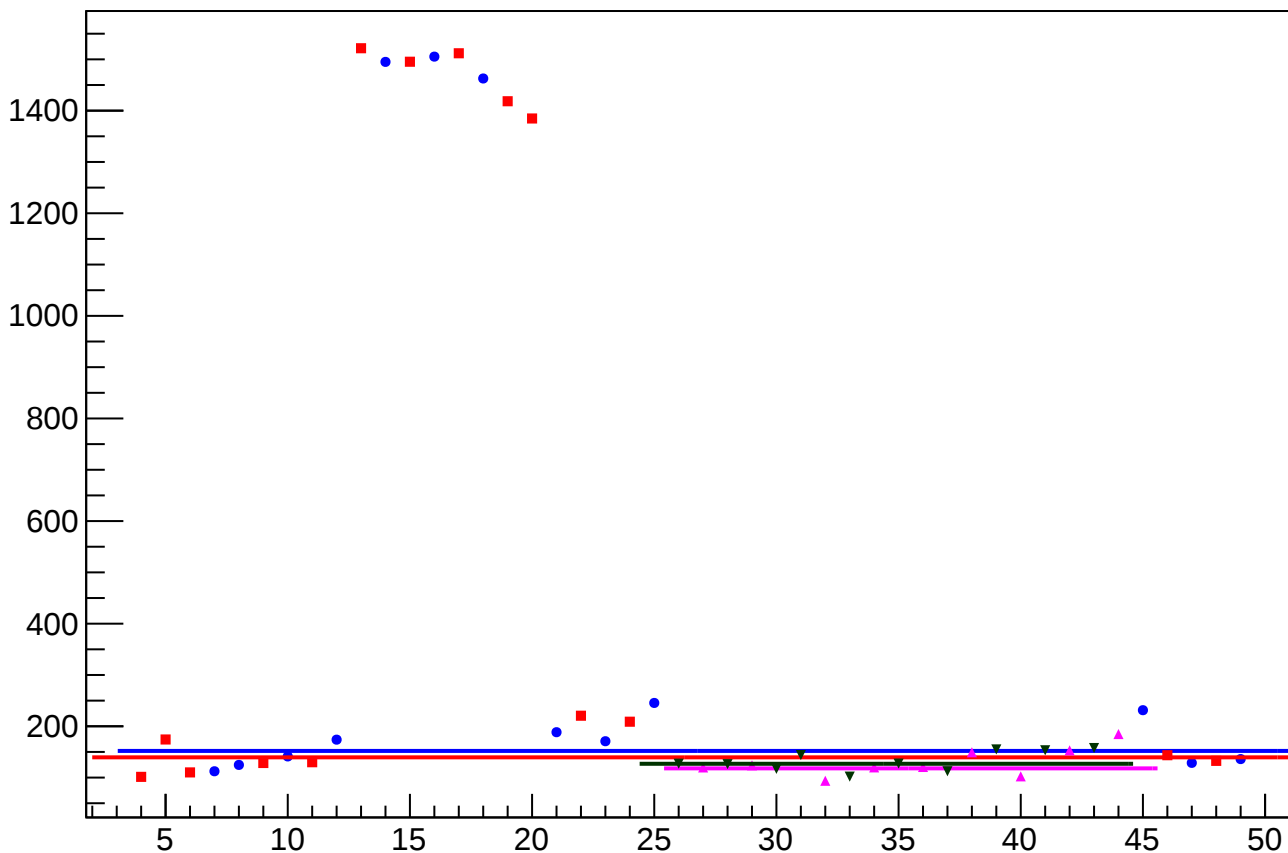
Right Out: 122.392 ± 64.261 χ^2/NDF : 3.5/13

Left In: -2.215 ± 51.031 χ^2/NDF : 0.7/8

34.431 ± 41.283 χ^2/NDF : 10.9/22

45.976 ± 39.963 χ^2/NDF : 6.5/22

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs slug



Right In: 151.962 $\pm$ 0.044 χ^2 /NDF: 4327133.2/12

Left Out: 126.898 $\pm$ 0.039 χ^2 /NDF: 206102.9/9

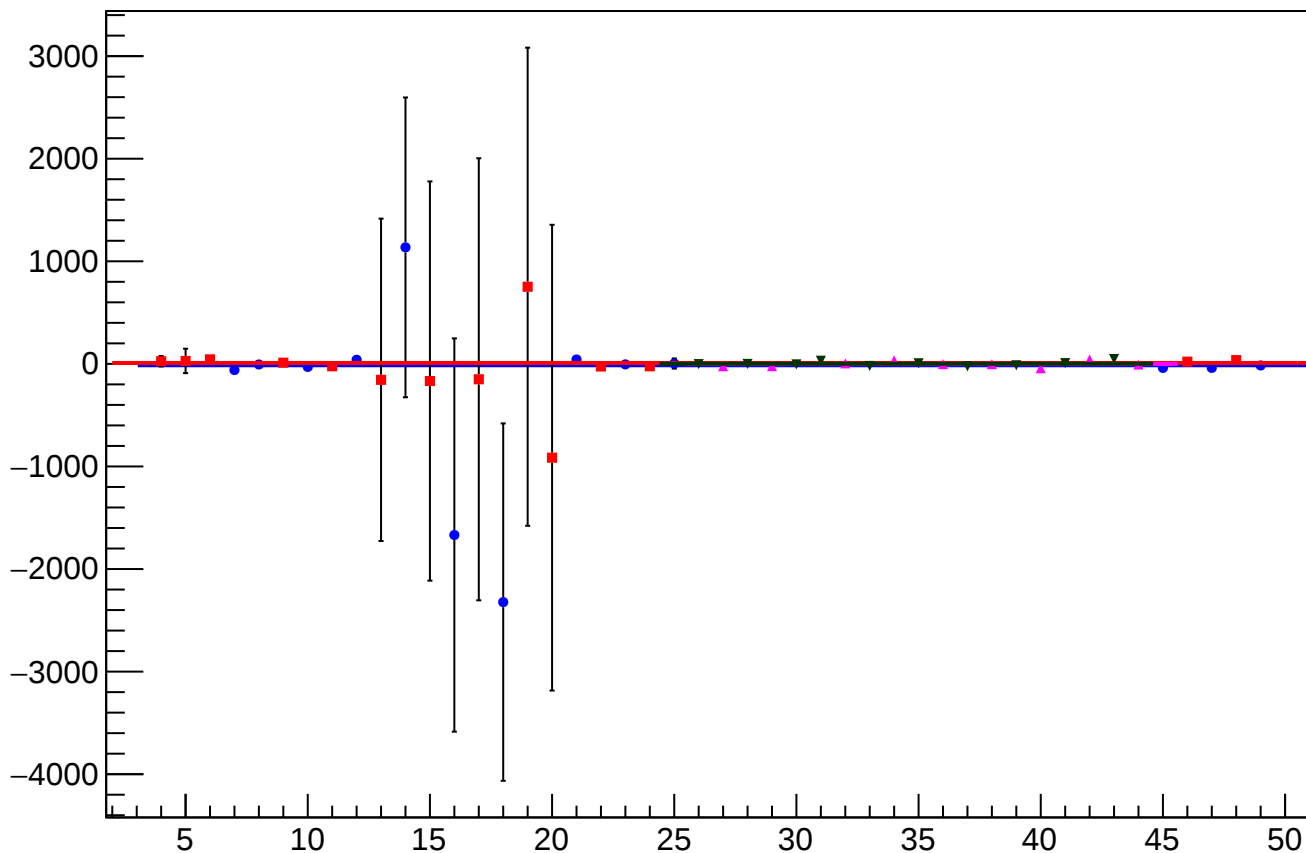
138.183 $\pm$ 0.029 χ^2 /NDF: 4715709.7/22

Right Out: 139.443 $\pm$ 0.045 χ^2 /NDF: 5004999.6/13

126.258 $\pm$ 0.028 χ^2 /NDF: 5519268.8/22

Left In: 117.943 $\pm$ 0.036 χ^2 /NDF: 376971.8/8

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs slug



Right In: -13.500 $\pm$ 9.454 χ^2 /NDF: 11.5/12

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

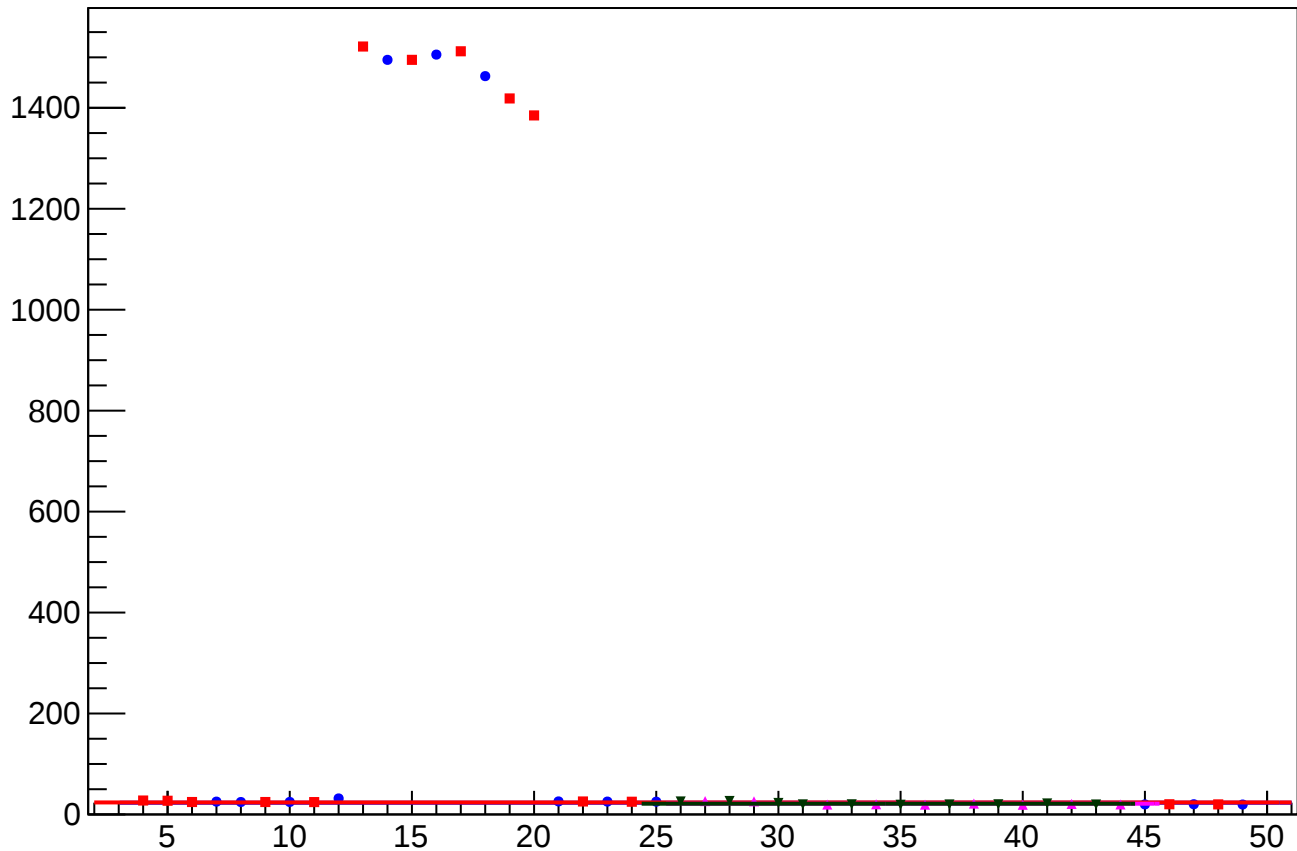
Right Out: 8.786 $\pm$ 11.196 χ^2 /NDF: 5.8/13

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

-6.009 $\pm$ 6.614 χ^2 /NDF: 18.0/22

2.494 $\pm$ 7.036 χ^2 /NDF: 13.6/22

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs slug



Right In: 23.236+/-0.007 χ^2/NDF : 4828990.1/12

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

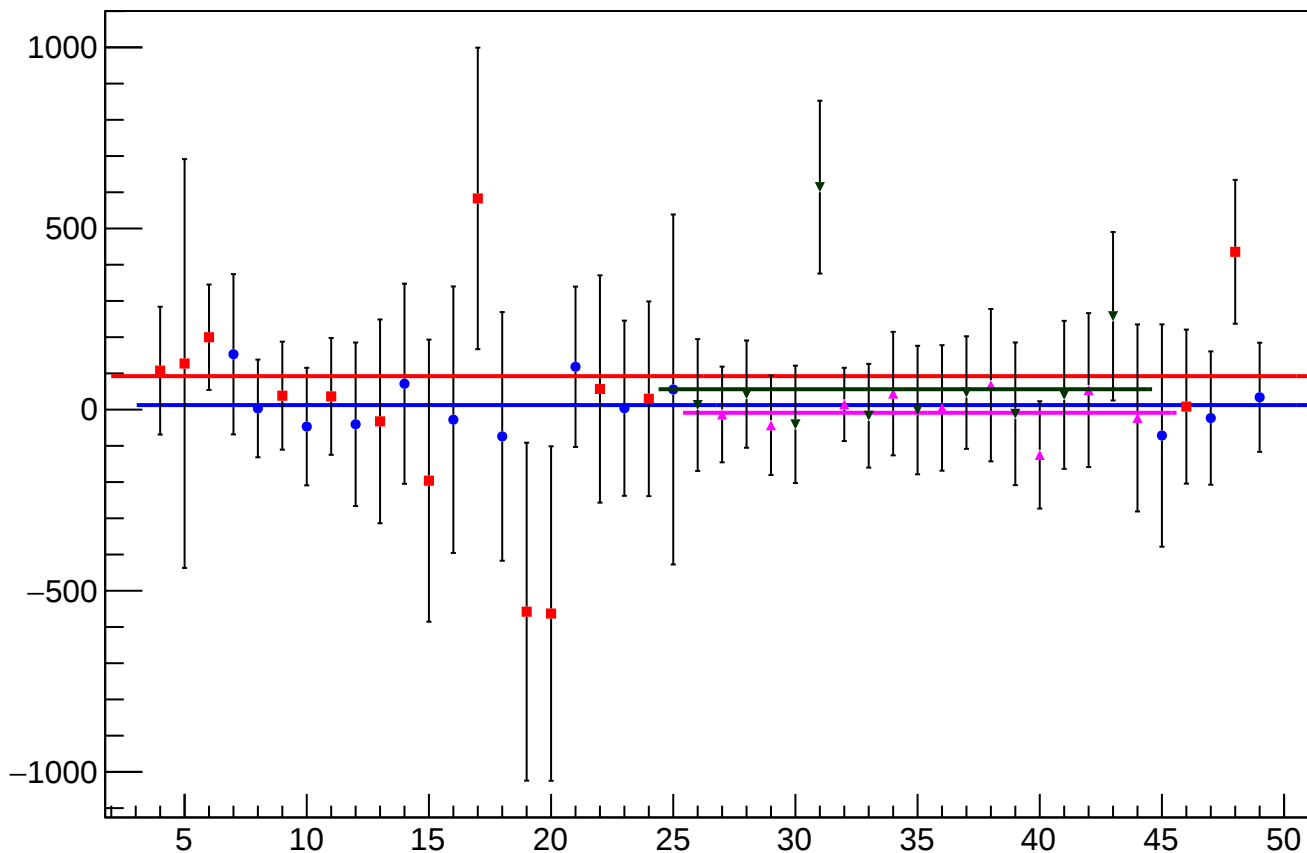
Right Out: 23.807+/-0.008 χ^2/NDF : 5442933.2/13

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

22.245+/-0.005 χ^2/NDF : 5001018.8/22

22.294+/-0.005 χ^2/NDF : 5663151.7/22

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs slug



Right In: 12.537 $\pm$ 58.915 χ^2 /NDF: 1.1/12

Left Out: 56.309 $\pm$ 55.753 χ^2 /NDF: 7.1/9

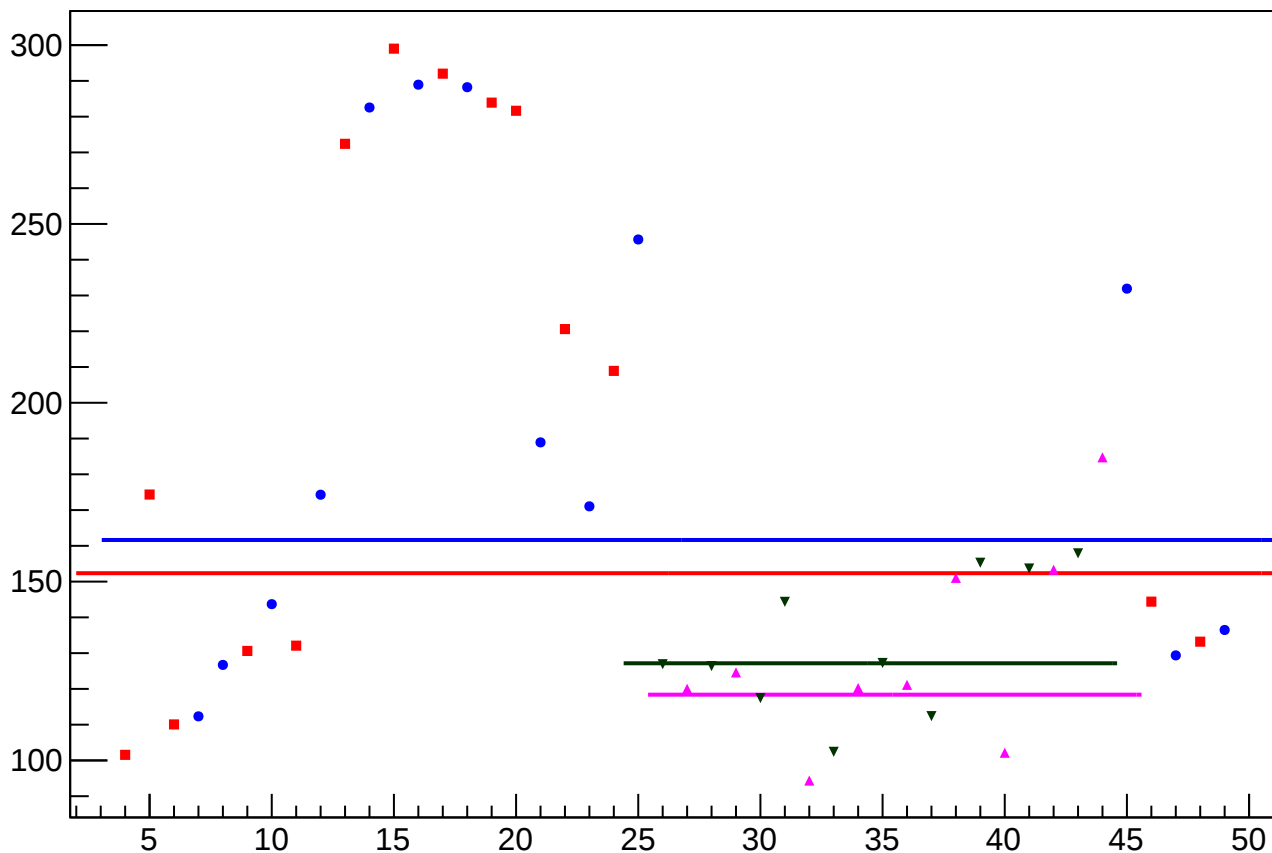
Right Out: 92.425 $\pm$ 60.657 χ^2 /NDF: 10.1/13

Left In: -8.655 $\pm$ 51.217 χ^2 /NDF: 1.1/8

35.629 $\pm$ 40.495 χ^2 /NDF: 8.5/22

33.417 $\pm$ 39.133 χ^2 /NDF: 12.8/22

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs slug



Right In: 161.637 $\pm$ 0.042 χ^2 /NDF: 1475426.1/12

Left Out: 127.165 $\pm$ 0.039 χ^2 /NDF:204883.4/9

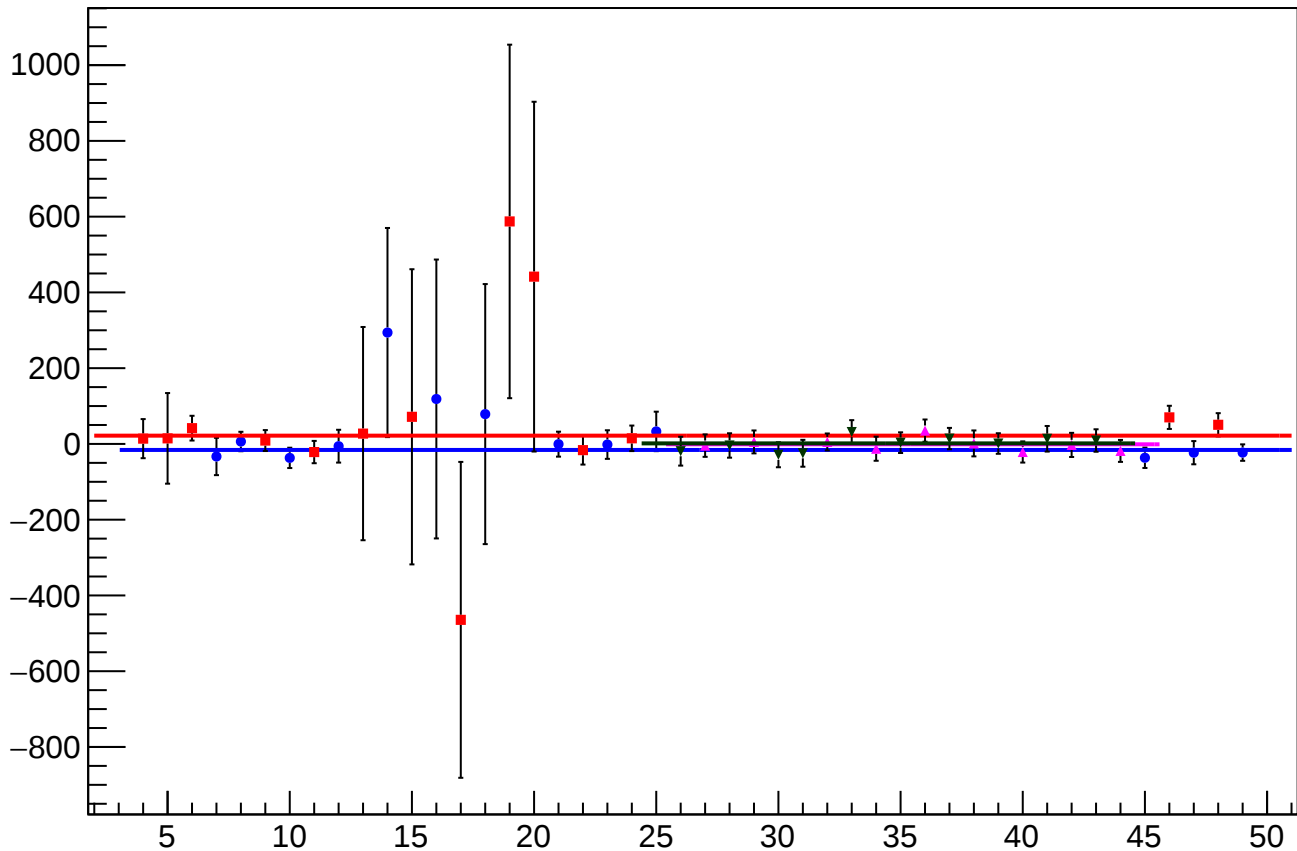
143.451 $\pm$ 0.029 χ^2 /NDF: 2041533.8/22

Right Out: 152.350 $\pm$ 0.043 χ^2 /NDF: 1805824.0/13

132.523 $\pm$ 0.028 χ^2 /NDF: 2548287.0/22

Left In: 118.387 $\pm$ 0.036 χ^2 /NDF:376424.8/8

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs slug



Right In: -15.899 $\pm$ 9.790 χ^2 /NDF: 5.0/12

Left Out: 1.423 $\pm$ 9.824 χ^2 /NDF: 3.0/9

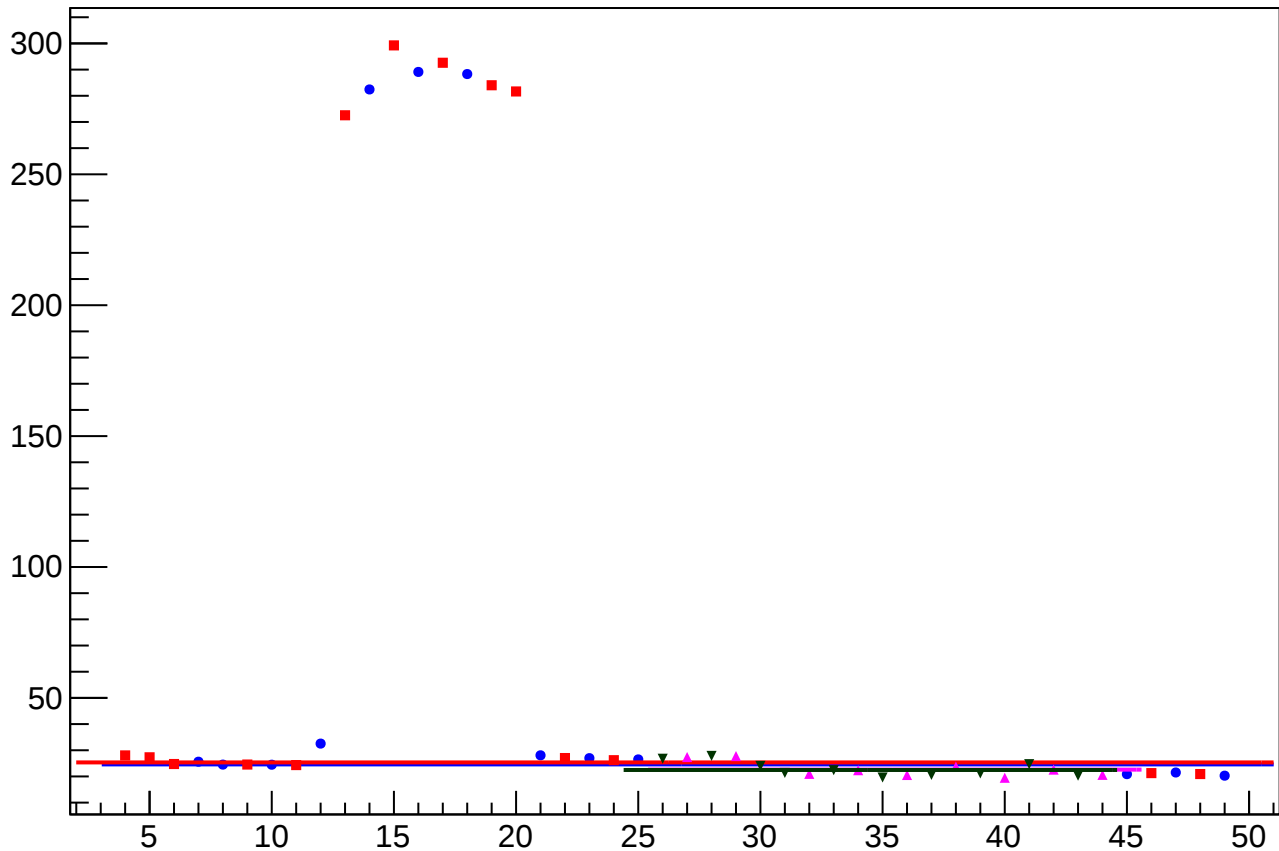
Right Out: 21.840 $\pm$ 11.483 χ^2 /NDF: 10.9/13

Left In: -1.028 $\pm$ 9.666 χ^2 /NDF: 2.7/8

-7.268 $\pm$ 6.935 χ^2 /NDF: 9.6/22

8.456 $\pm$ 7.395 χ^2 /NDF: 15.9/22

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs slug



Right In: 24.597 $\pm$ 0.007 χ^2 /NDF: 4195355.6/12

Left Out: 22.469 $\pm$ 0.007 χ^2 /NDF:142902.0/9

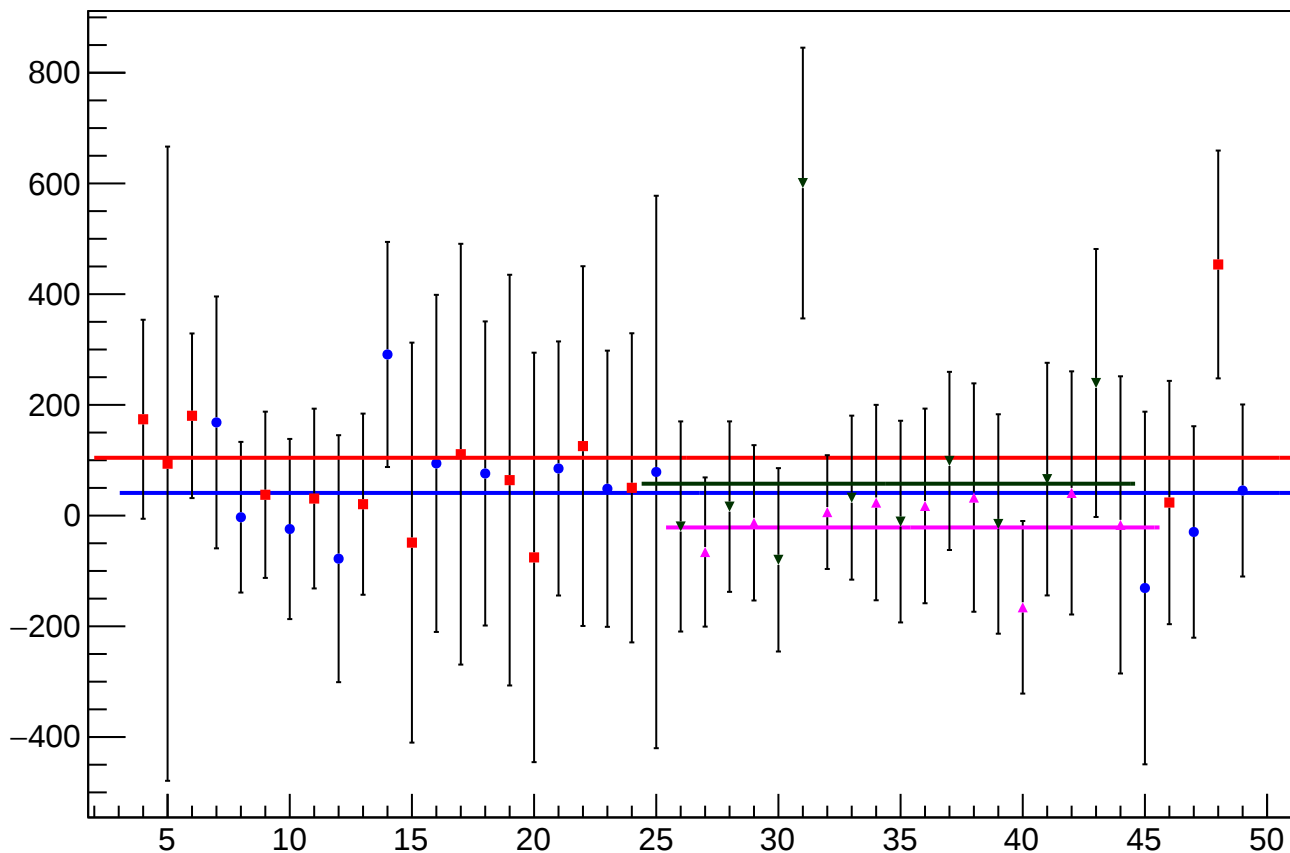
Right Out: 25.356 $\pm$ 0.008 χ^2 /NDF: 4676821.5/13

Left In: 22.600 $\pm$ 0.007 χ^2 /NDF:168139.0/8

23.537 $\pm$ 0.005 χ^2 /NDF: 4385355.9/22

23.743 $\pm$ 0.005 χ^2 /NDF: 4912366.0/22

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs slug



Right In: 40.954+/-58.010 χ^2/NDF : 2.9/12

Left Out: 57.595+/-57.484 χ^2/NDF : 6.8/9

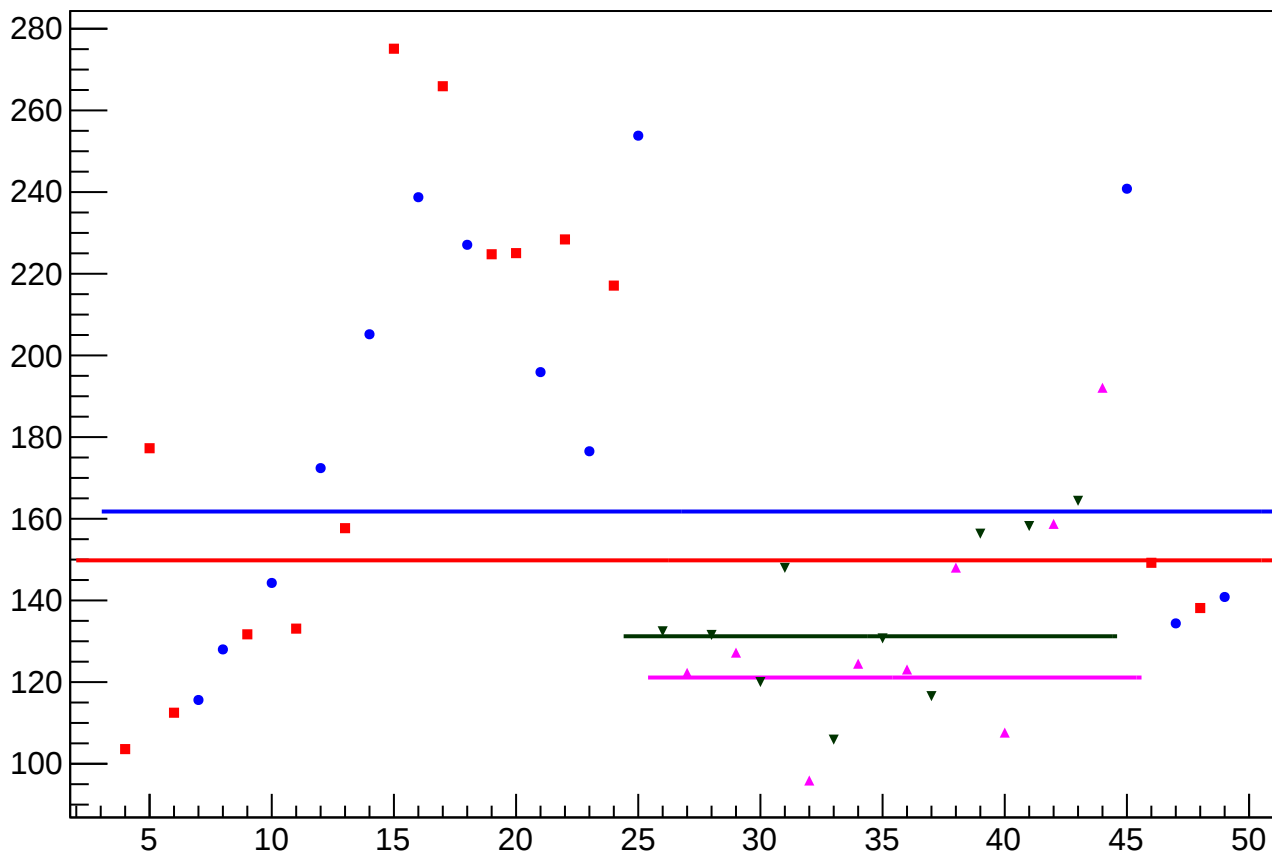
Right Out: 104.442+/-58.256 χ^2/NDF : 4.6/13

Left In: -21.418+/-52.393 χ^2/NDF : 1.3/8

49.350+/-40.832 χ^2/NDF : 9.7/22

34.862+/-38.956 χ^2/NDF : 8.4/22

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs slug



Right In: 161.776+/-0.041 χ^2/NDF : 885042.2/12

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

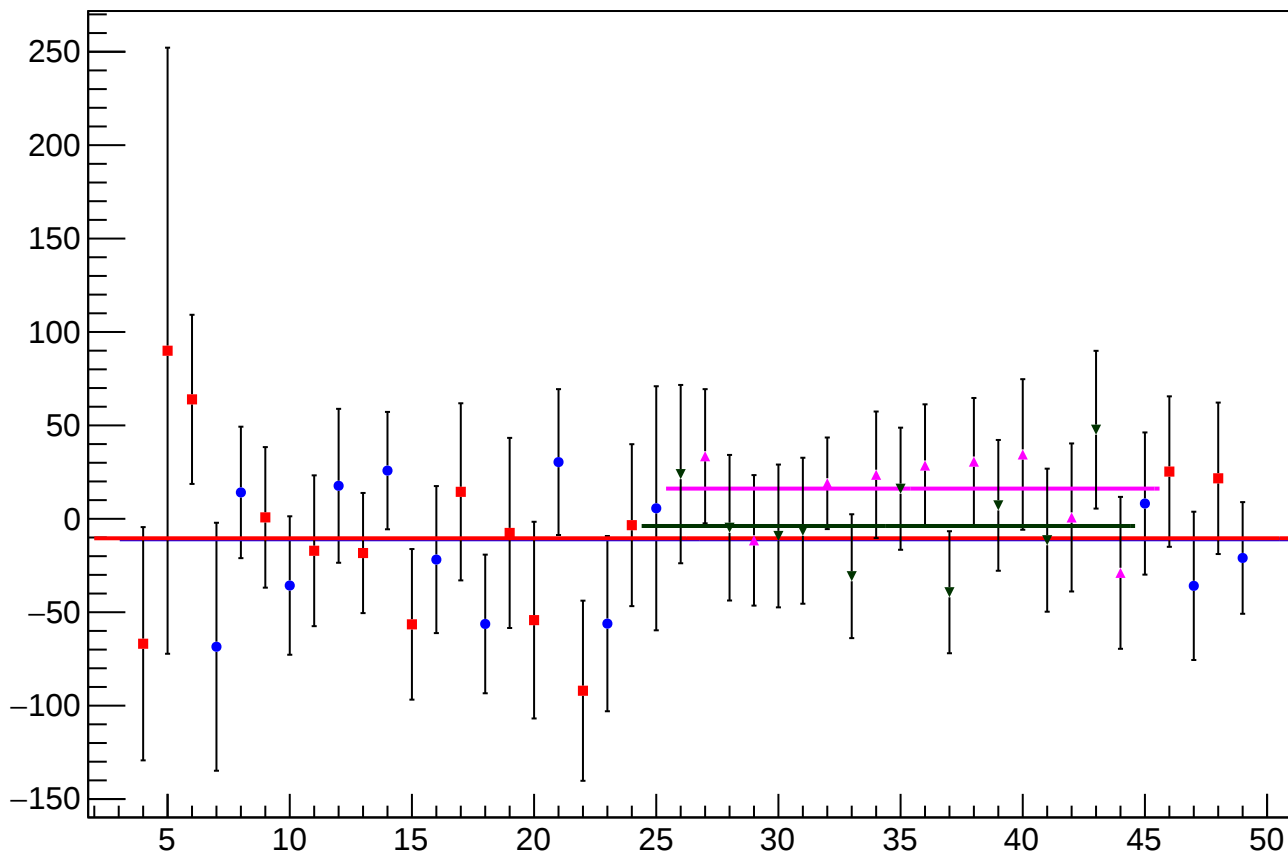
146.362+/-0.029 χ^2/NDF : 1361265.6/22

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

133.953+/-0.028 χ^2/NDF : 1790135.9/22

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

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs slug



Right In: -10.951 ± 10.828 χ^2/NDF : 8.0/12

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

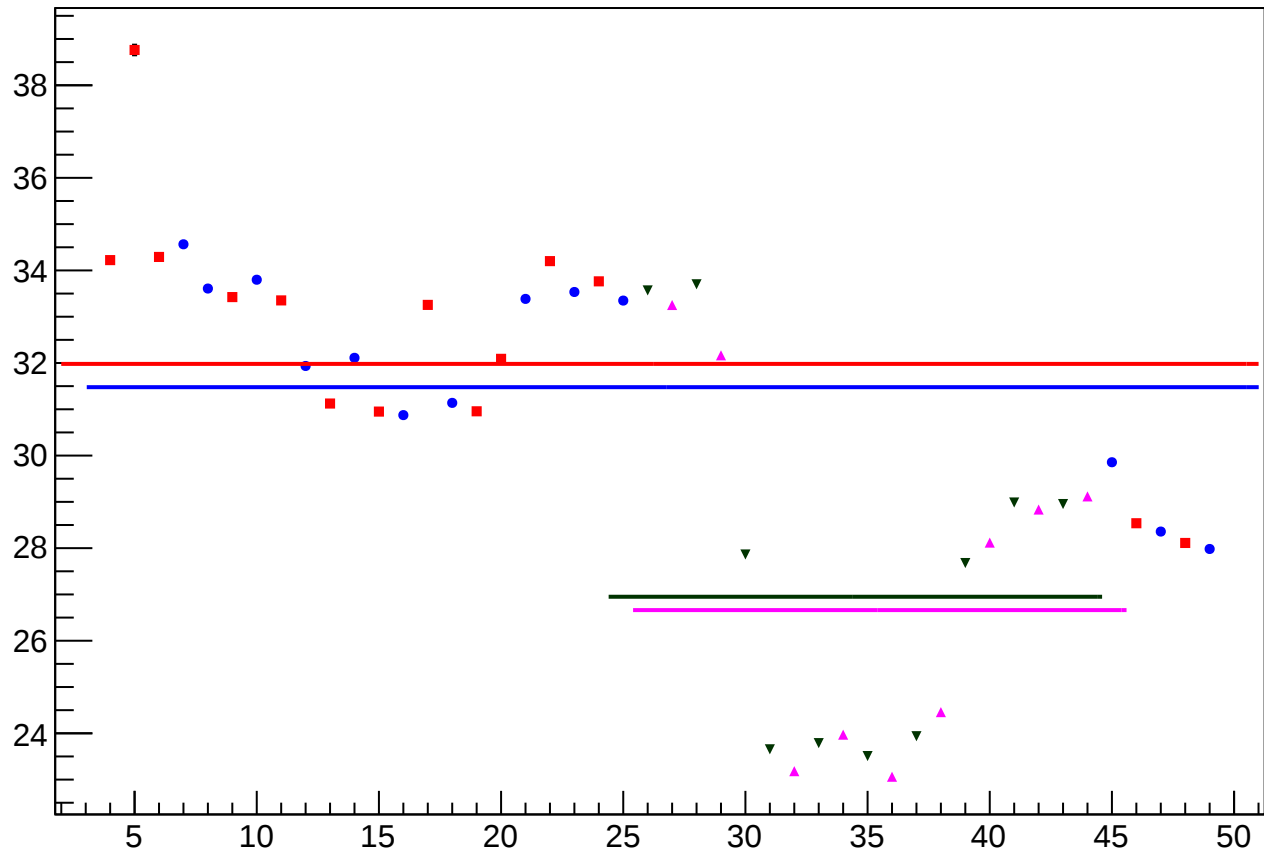
Right Out: -10.423 ± 11.896 χ^2/NDF : 10.7/13

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

-7.677 ± 7.953 χ^2/NDF : 12.4/22

3.516 ± 8.206 χ^2/NDF : 16.1/22

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs slug



Right In: 31.478+/-0.008 χ^2 /NDF: 74821.0/12

Left Out: 26.950+/-0.008 χ^2 /NDF:182300.2/9

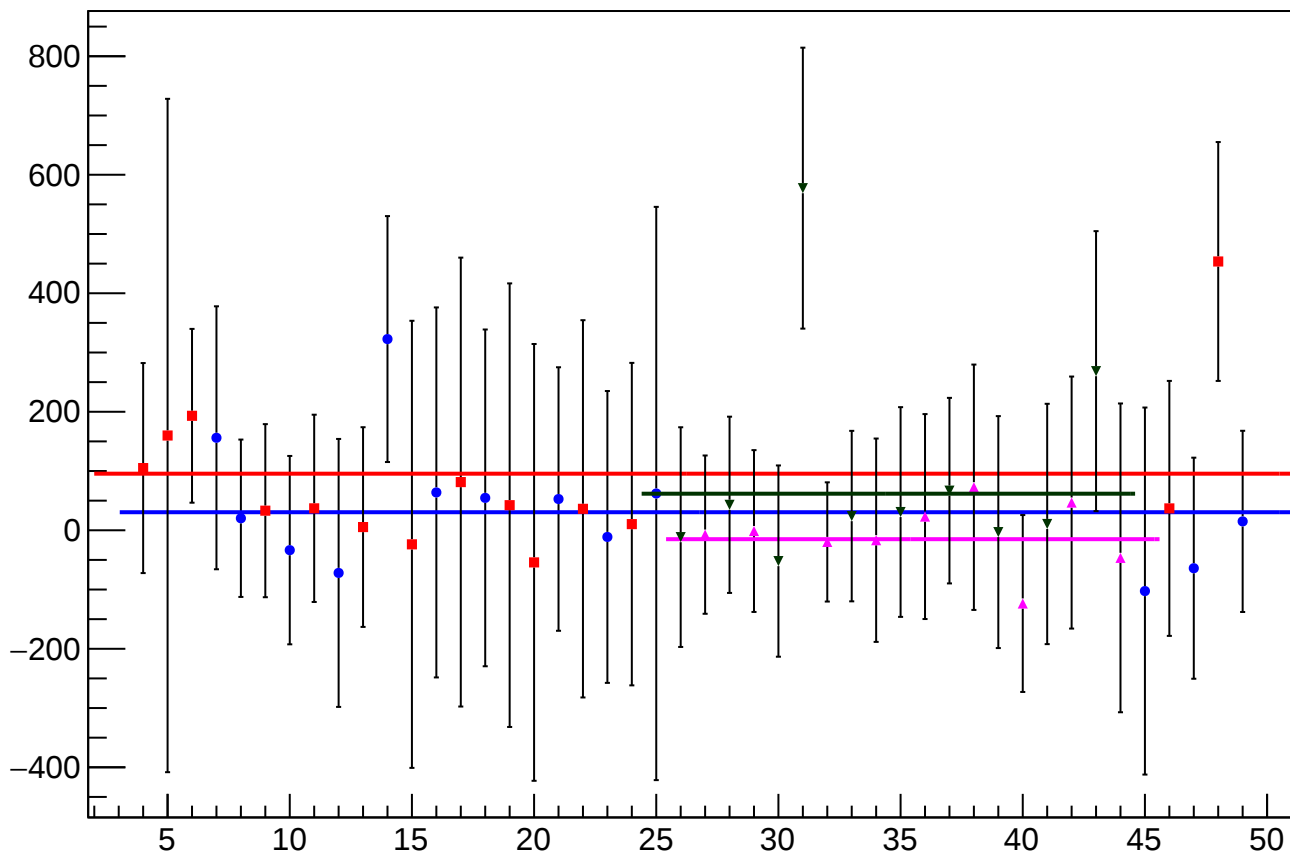
Right Out: 31.981+/-0.008 χ^2 /NDF: 61990.2/13

Left In: 26.662+/-0.008 χ^2 /NDF:218434.4/8

29.393+/-0.006 χ^2 /NDF: 418146.2/22

29.193+/-0.006 χ^2 /NDF: 489970.5/22

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs slug



Right In: 30.472 $\pm$ 57.264 χ^2 /NDF: 3.2/12

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

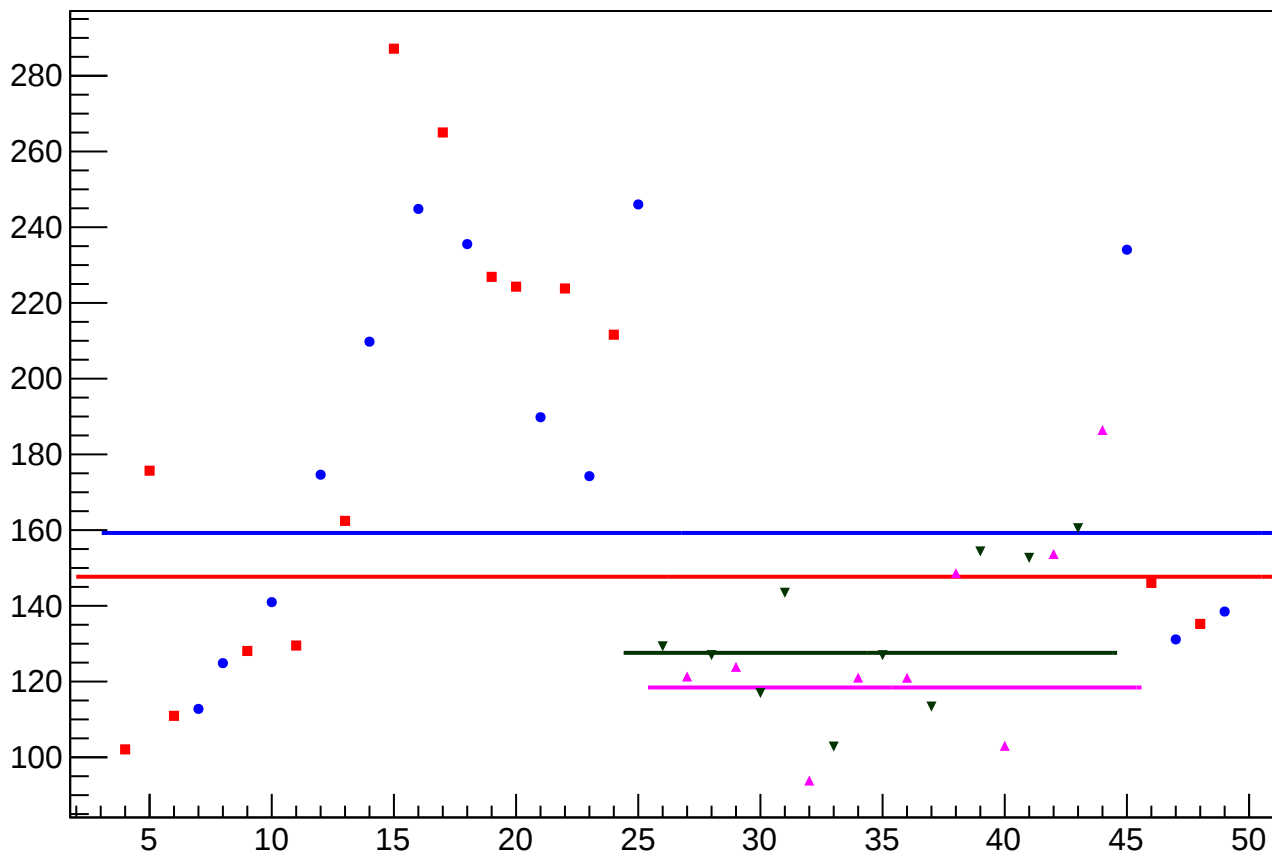
Right Out: 95.505 $\pm$ 57.576 χ^2 /NDF: 4.7/13

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

46.476 $\pm$ 40.006 χ^2 /NDF: 9.8/22

33.822 $\pm$ 38.275 χ^2 /NDF: 7.6/22

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs slug



Right In: 159.248+/-0.040 χ^2/NDF : 979113.9/12

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

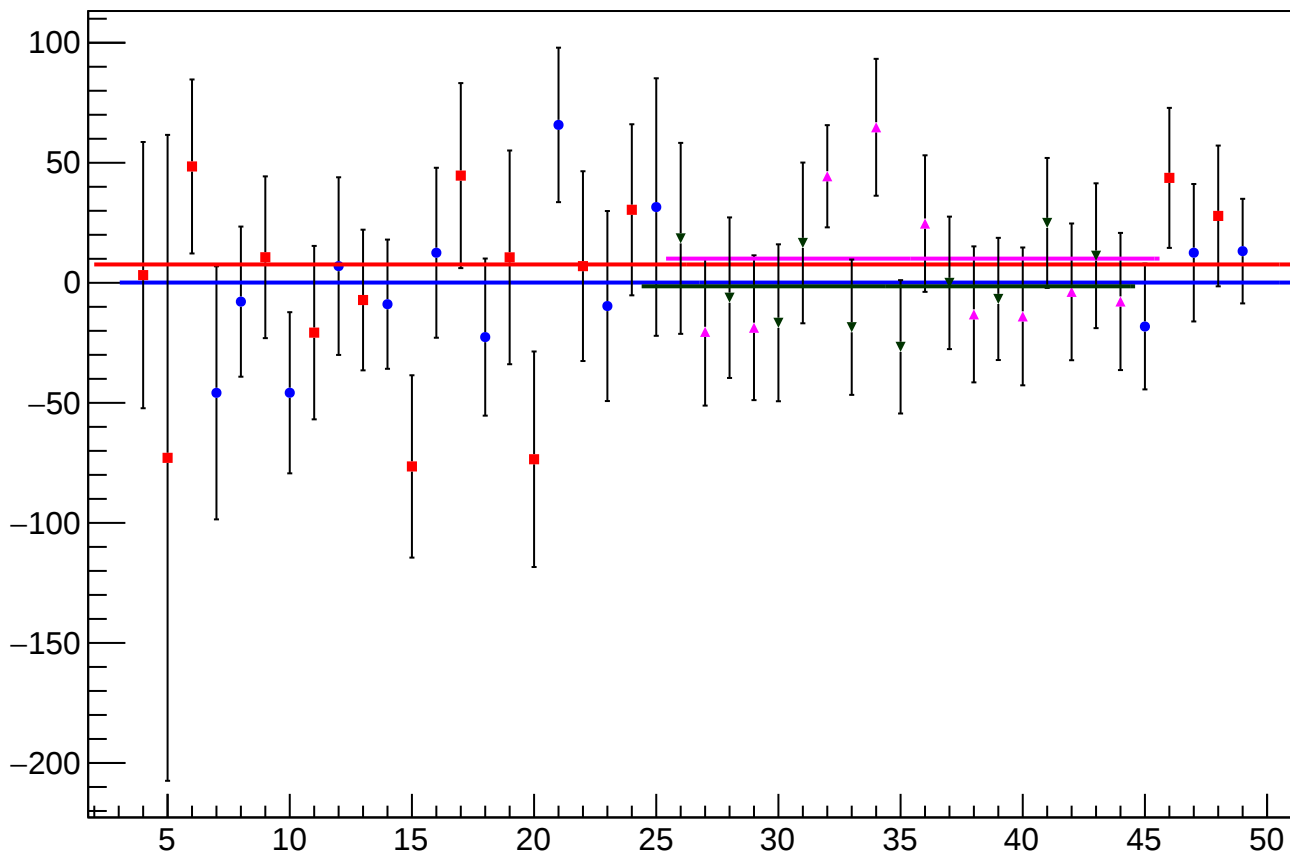
143.038+/-0.028 χ^2/NDF : 1492496.6/22

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: 0.110 ± 8.821 χ^2/NDF : 9.1/12

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

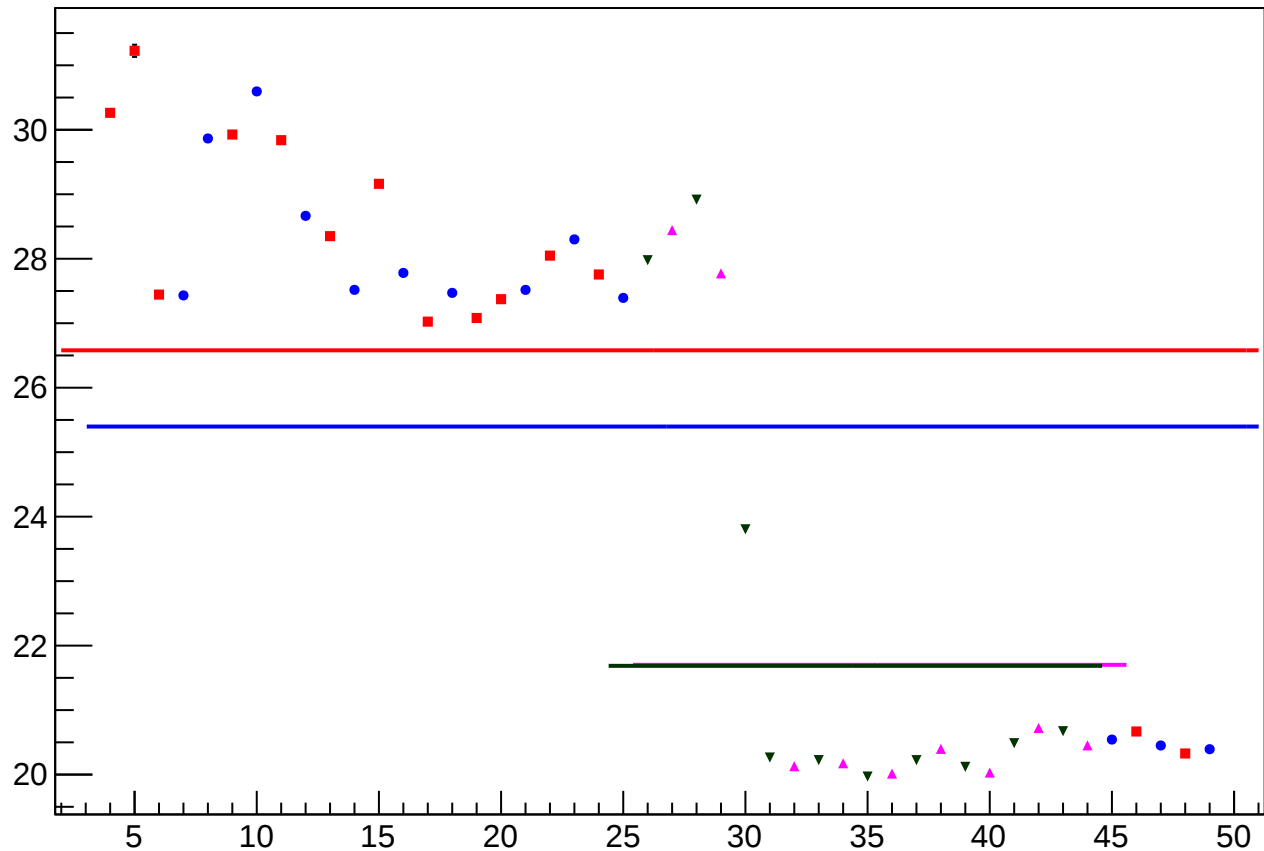
Right Out: 7.650 ± 9.955 χ^2/NDF : 14.0/13

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

-0.621 ± 6.444 χ^2/NDF : 12.2/22

8.957 ± 6.767 χ^2/NDF : 24.5/22

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs slug



Right In: 25.398 $\pm$ 0.006 χ^2/NDF : 393066.5/12

Left Out: 21.686 $\pm$ 0.007 χ^2/NDF : 187956.4/9

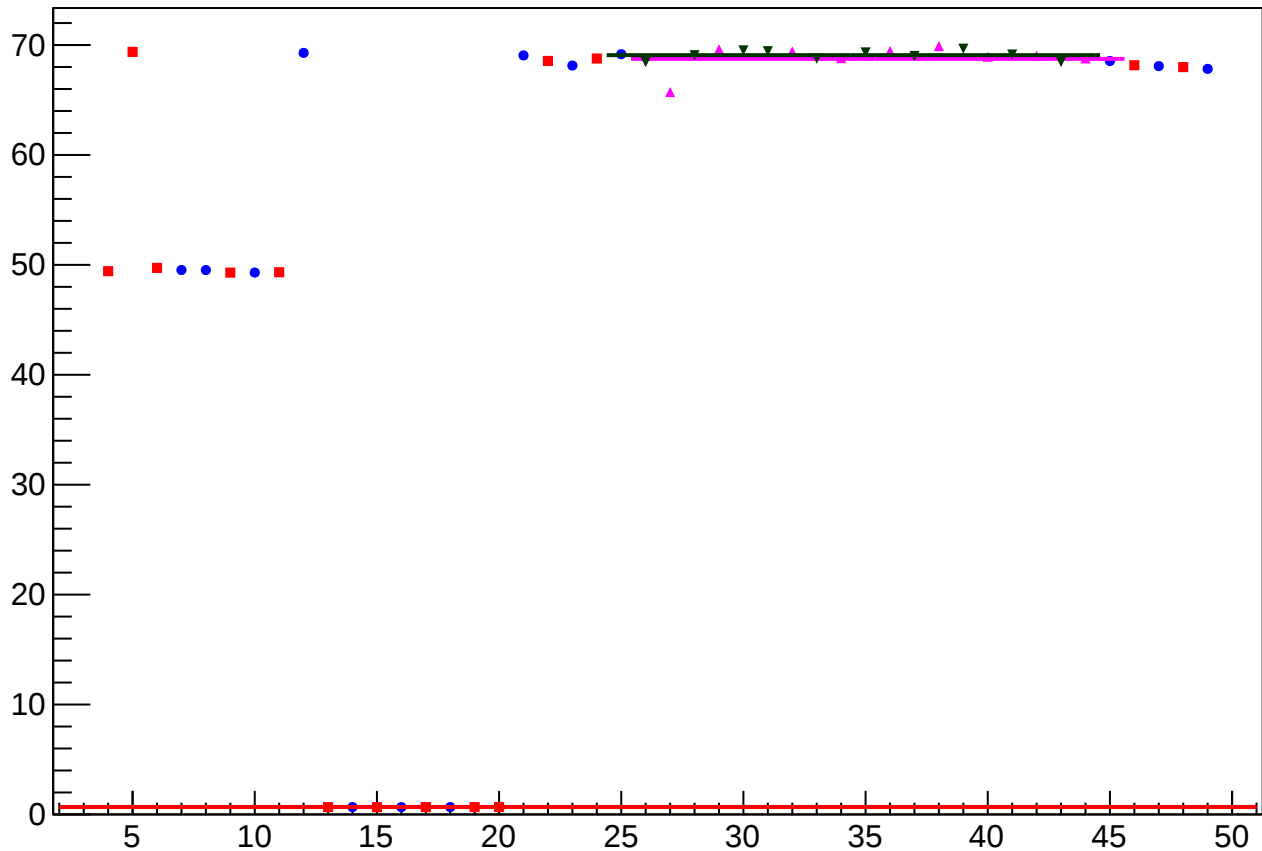
Right Out: 26.580 $\pm$ 0.007 χ^2/NDF : 244156.7/13

Left In: 21.702 $\pm$ 0.007 χ^2/NDF : 218285.8/8

23.667 $\pm$ 0.005 χ^2/NDF : 746139.1/22

23.955 $\pm$ 0.005 χ^2/NDF : 720763.5/22

yield_bcm_an_ds_mean vs slug



Right In: 0.682+/-0.000 χ^2/NDF : 712692701902.0/12

Left Out: 69.081+/-0.000 χ^2/NDF : 24626539.5/9

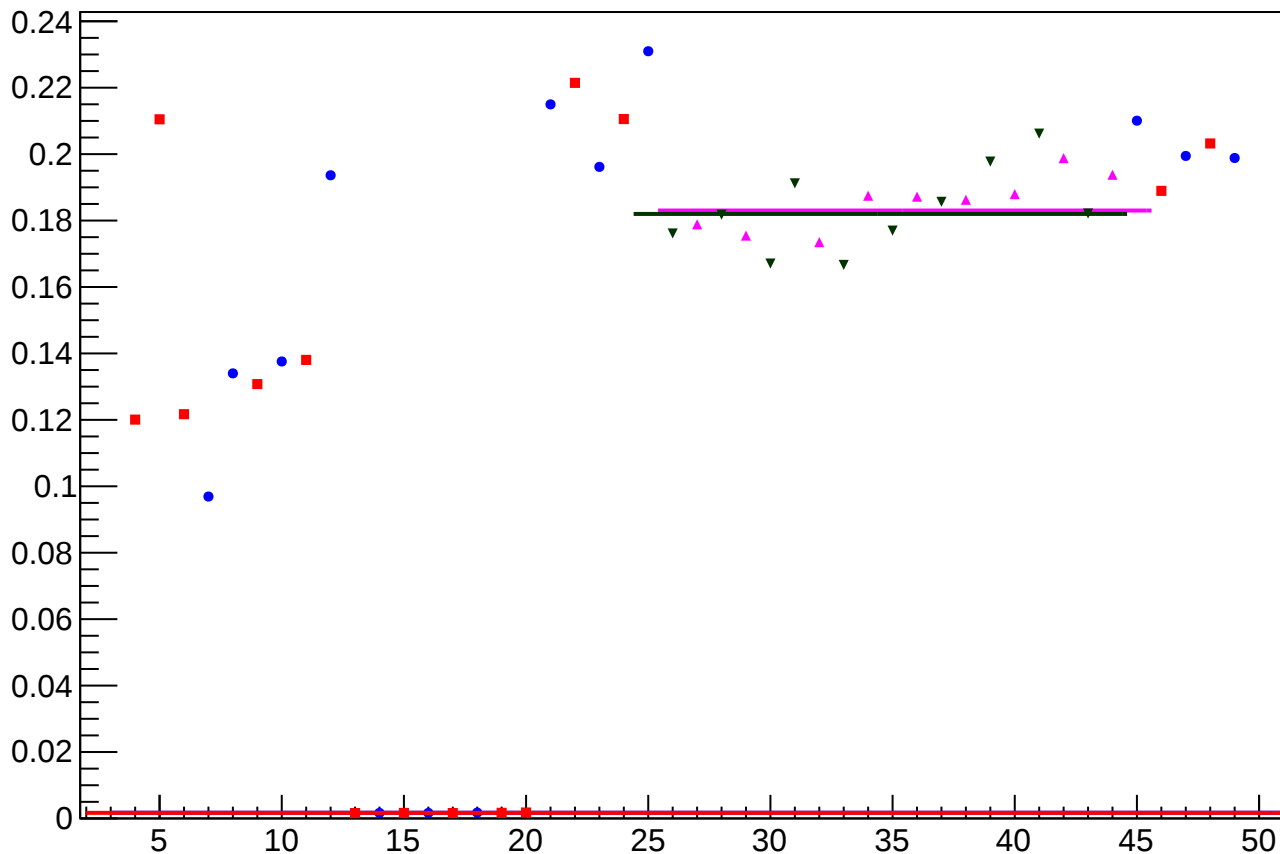
0.695+/-0.000 χ^2/NDF : 1441600059634.3/22

Right Out: 0.679+/-0.000 χ^2/NDF : 549138648072.4/13

0.690+/-0.000 χ^2/NDF : 1299314022940.1/22

Left In: 68.740+/-0.000 χ^2/NDF : 294550476.4/8

yield_bcm_an_ds_rms vs slug



Right In: 0.002+/-0.000 χ^2/NDF : 11502296.9/12

Left Out: 0.182+/-0.000 χ^2/NDF :43515.3/9

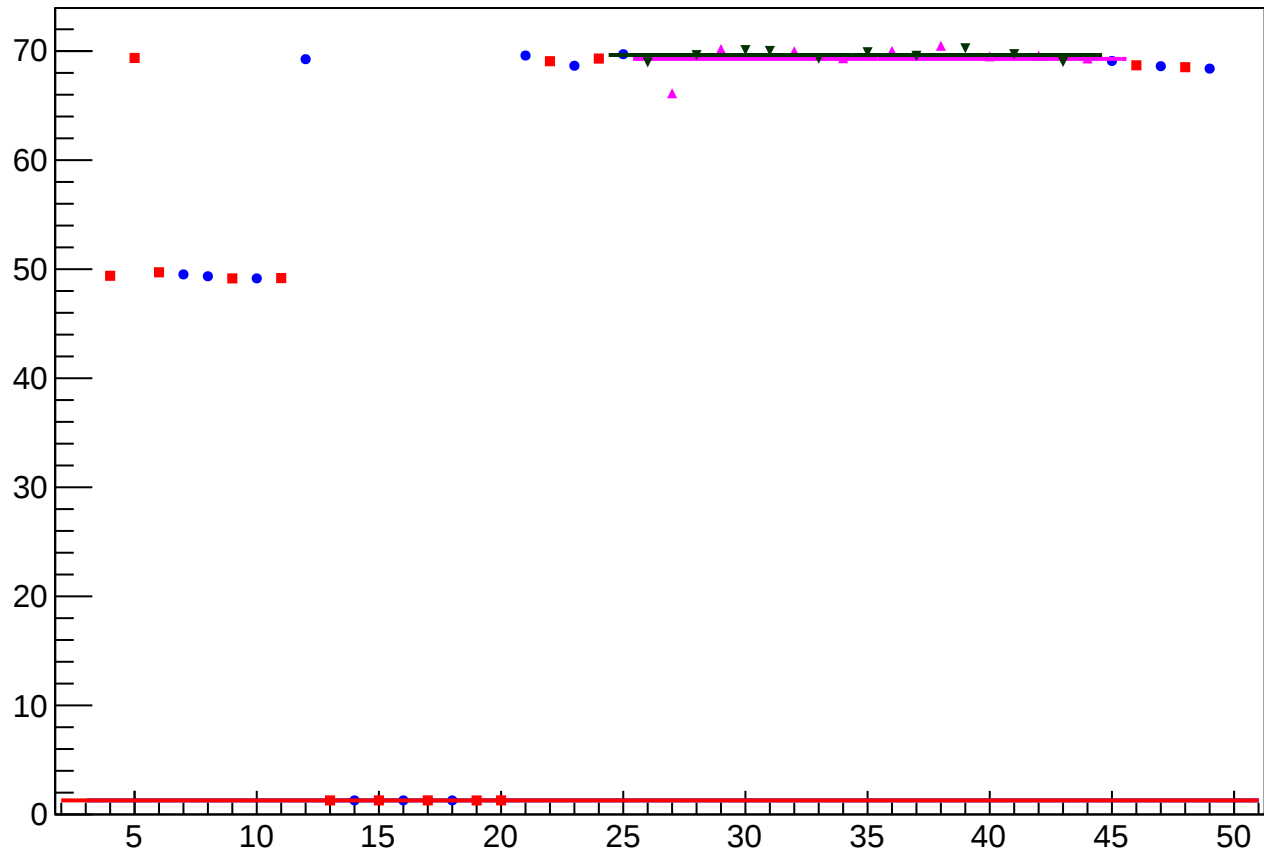
Right Out: 0.002+/-0.000 χ^2/NDF : 8491969.9/13

Left In: 0.183+/-0.000 χ^2/NDF :20451.6/8

0.002+/-0.000 χ^2/NDF : 21671449.2/22

0.002+/-0.000 χ^2/NDF : 19158831.9/22

yield_bcm_an_ds3_mean vs slug



Right In: 1.290+/-0.000 χ^2/NDF : 701283288379.4/12

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

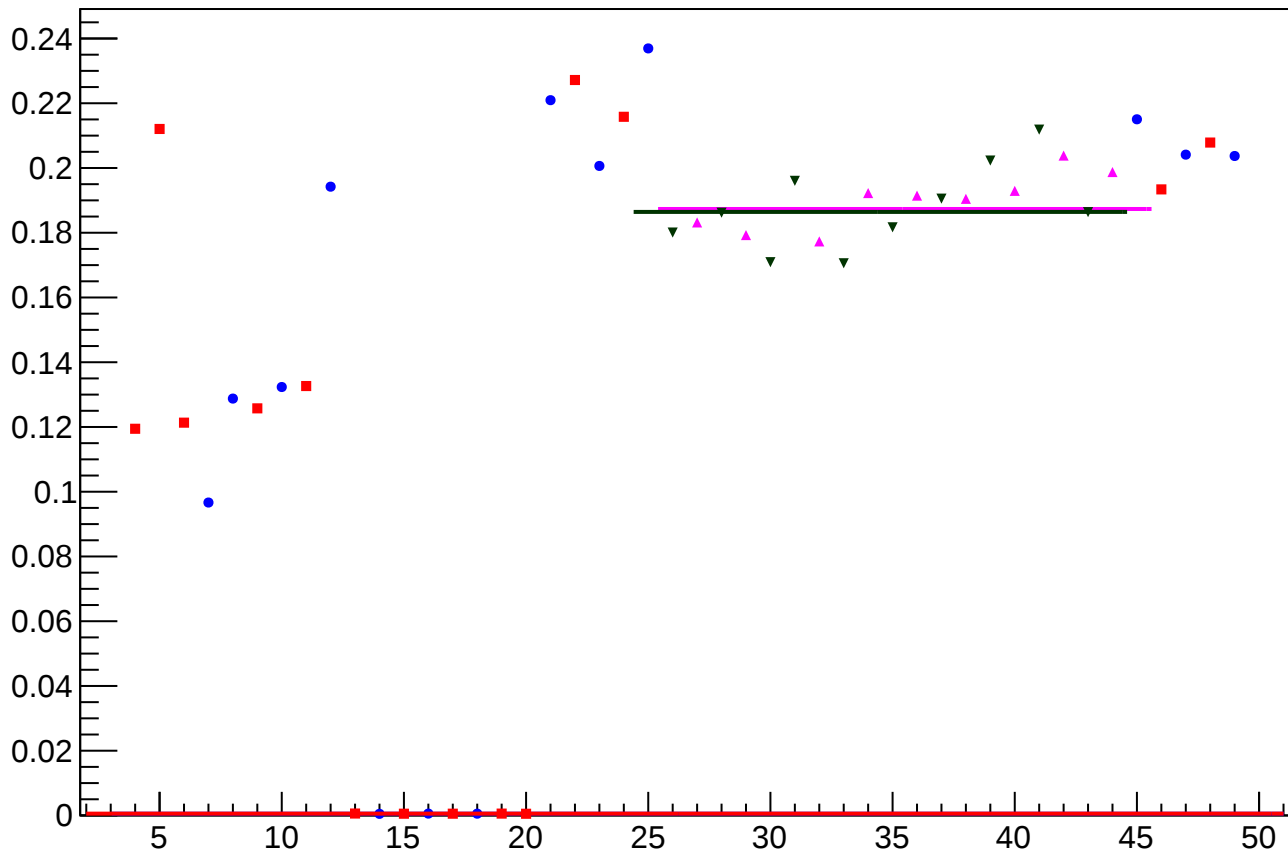
Right Out: 1.290+/-0.000 χ^2/NDF : 544282243350.1/13

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

1.292+/-0.000 χ^2/NDF : 1394849460925.1/22

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

yield_bcm_an_ds3_rms vs slug



Right In: 0.001+/-0.000 χ^2/NDF : 11679405.5/12

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

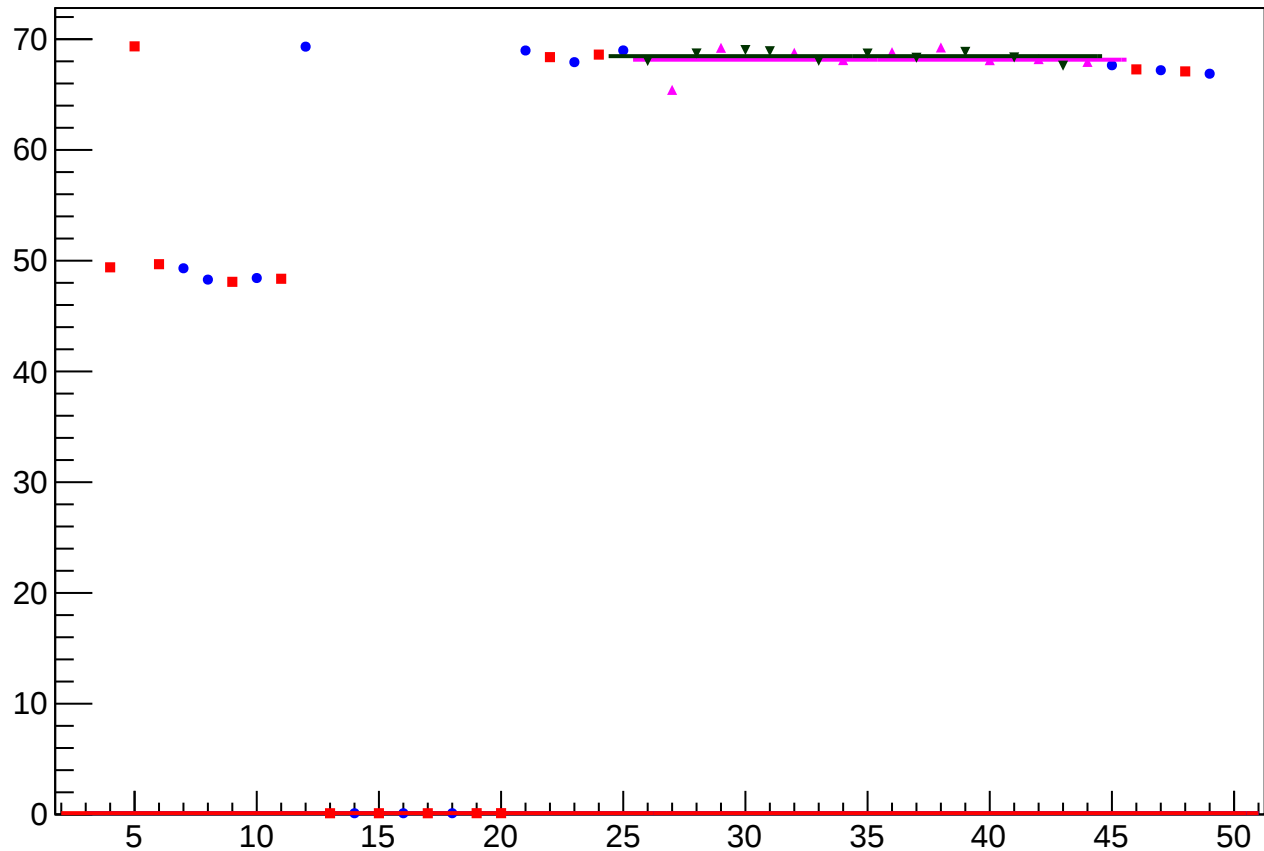
0.001+/-0.000 χ^2/NDF : 21985136.2/22

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: 0.122+/-0.000 χ^2/NDF : 739711629490.9/12

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

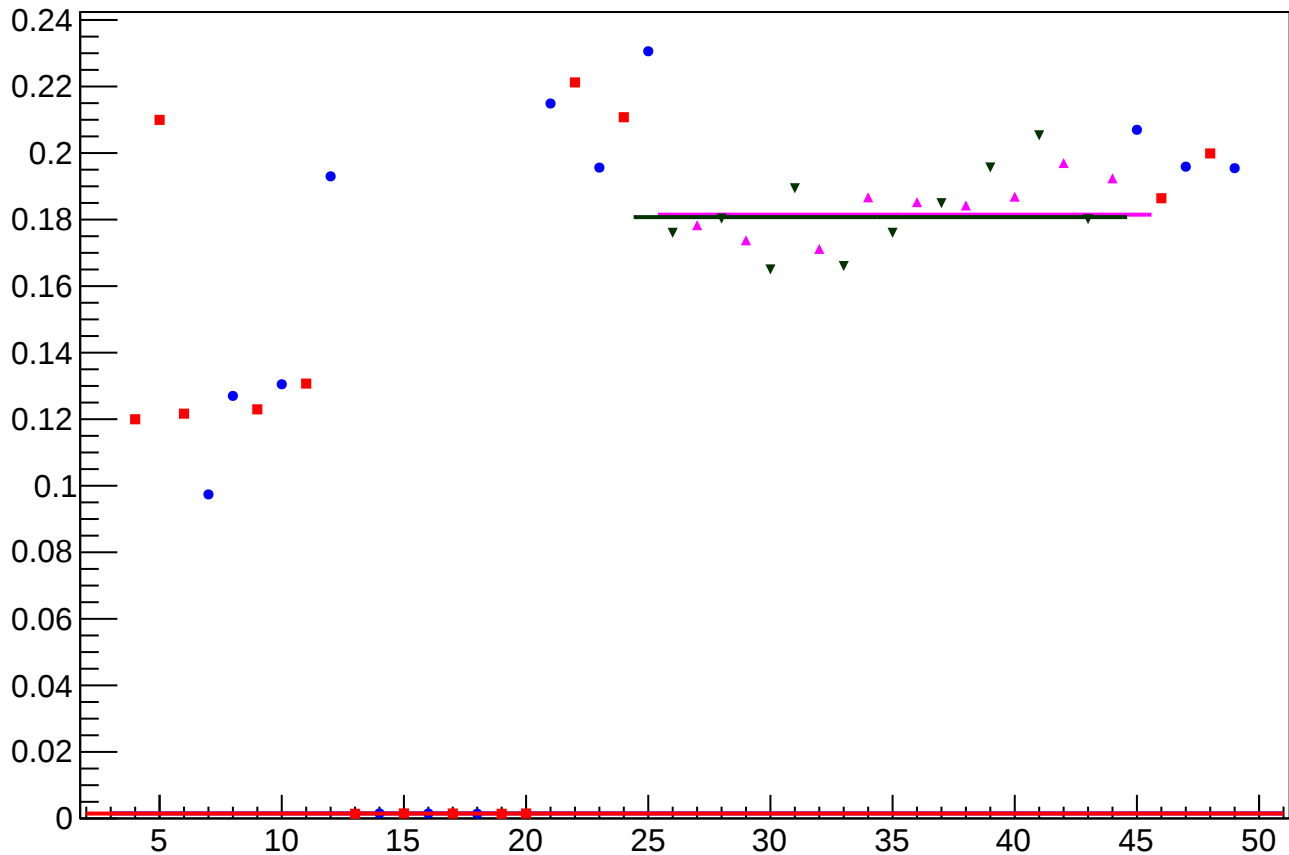
Right Out: 0.118+/-0.000 χ^2/NDF : 573595442425.7/13

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

0.132+/-0.000 χ^2/NDF : 1476372371706.3/22

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

yield_bcm_an_us_rms vs slug



Right In: 0.002+/-0.000 χ^2/NDF : 11516855.9/12

Left Out: 0.181+/-0.000 χ^2/NDF :43552.7/9

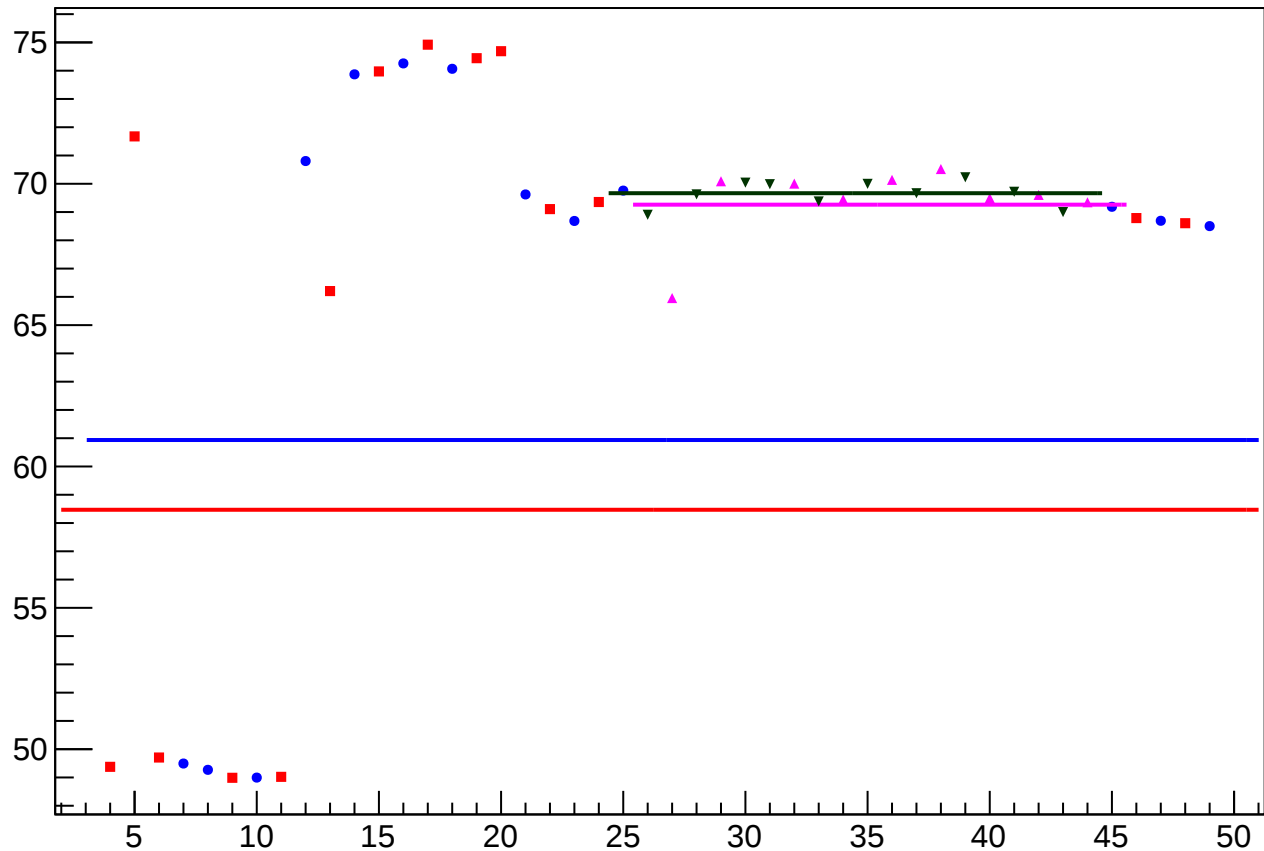
0.002+/-0.000 χ^2/NDF : 21691147.4/22

Right Out: 0.001+/-0.000 χ^2/NDF : 8507160.7/13

0.001+/-0.000 χ^2/NDF : 19194787.3/22

Left In: 0.181+/-0.000 χ^2/NDF :21535.2/8

yield_bcm_dg_us_mean vs slug



Right In: 60.936 $\pm$ 0.000 χ^2/NDF : 30296635328.0/12

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

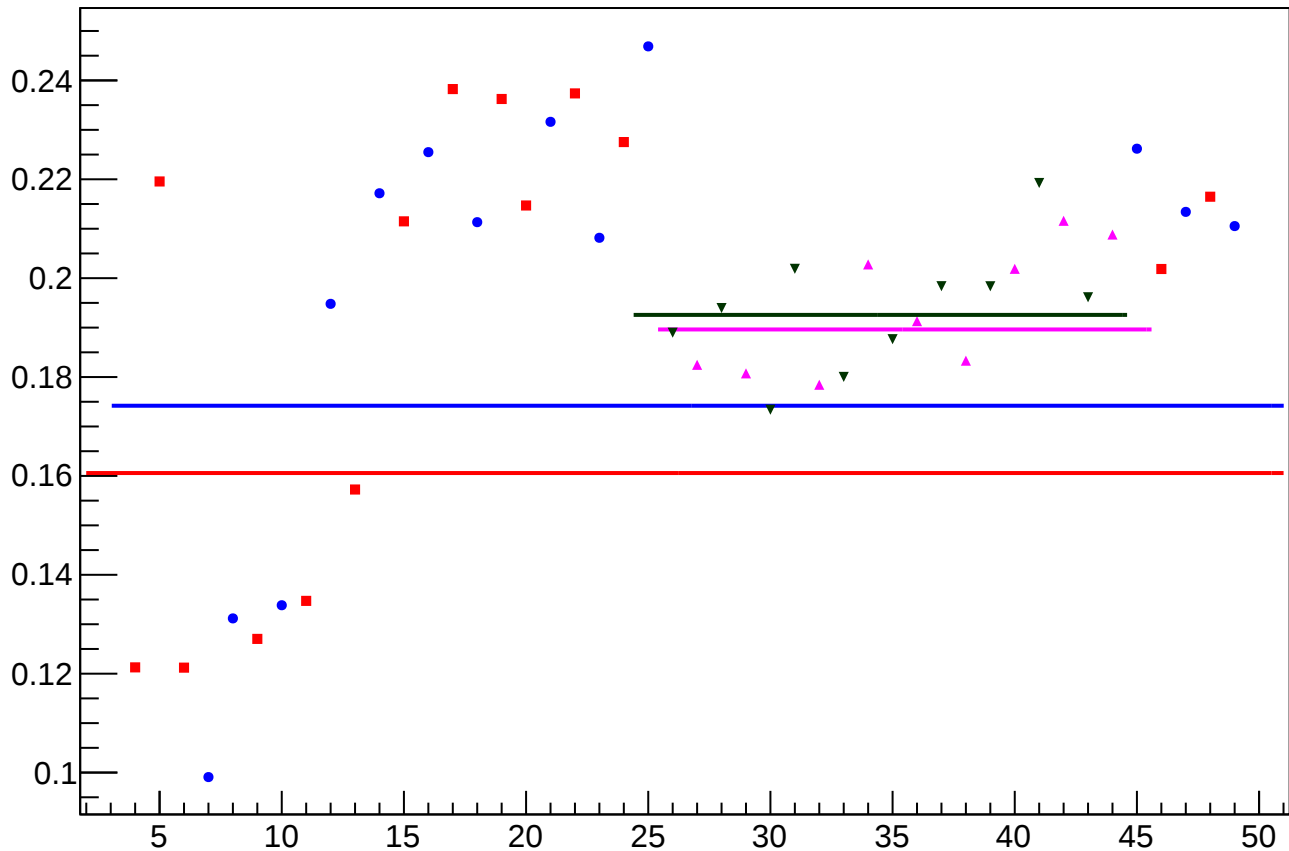
Right Out: 58.469 $\pm$ 0.000 χ^2/NDF : 27808638818.2/13

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

64.054 $\pm$ 0.000 χ^2/NDF : 37146659248.8/22

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

yield_bcm_dg_us_rms vs slug



Right In: 0.174+/-0.000 χ^2/NDF : 1091893.0/12

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

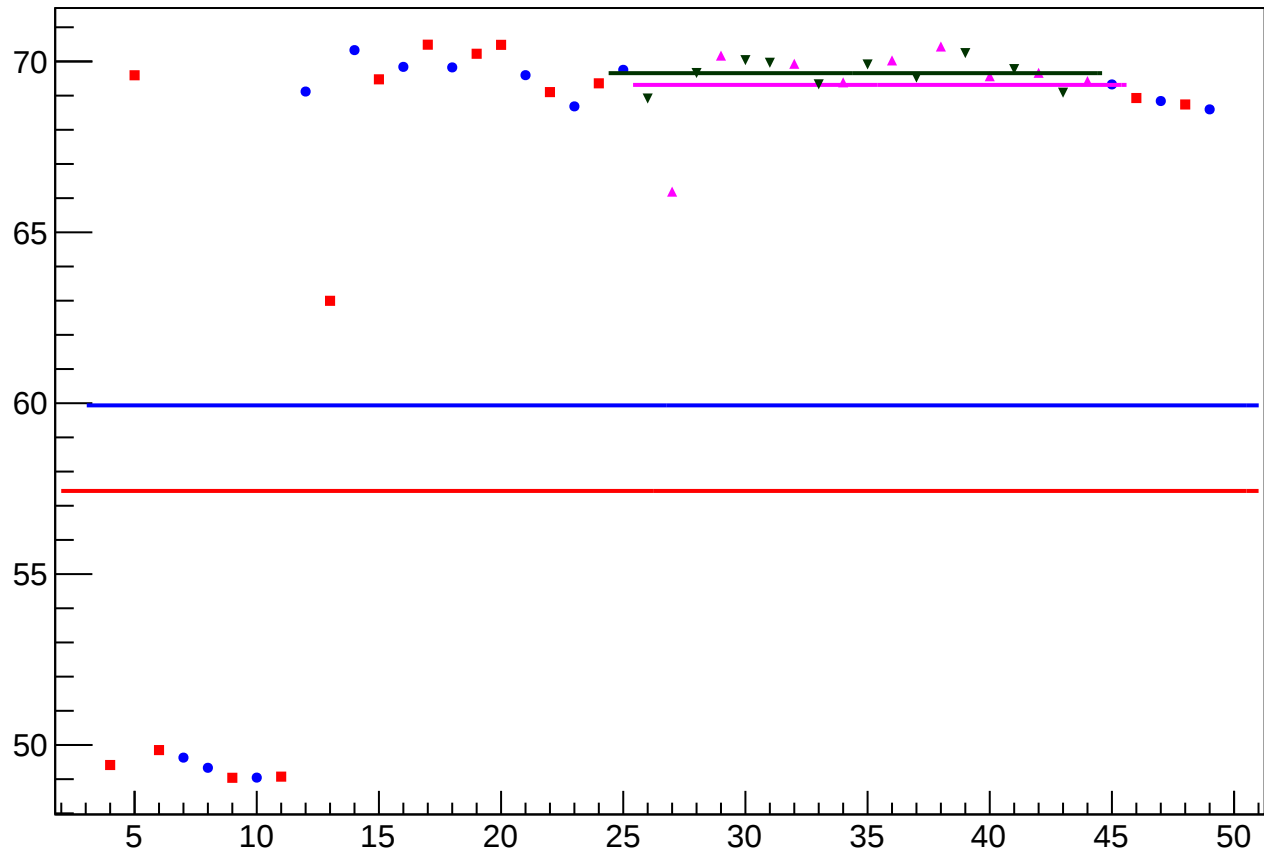
Right Out: 0.161+/-0.000 χ^2/NDF : 940006.0/13

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

0.181+/-0.000 χ^2/NDF : 1191075.0/22

0.172+/-0.000 χ^2/NDF : 1139509.1/22

yield_bcm_dg_ds_mean vs slug



Right In: 59.937 $\pm$ 0.000 χ^2/NDF : 26539420824.3/12

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

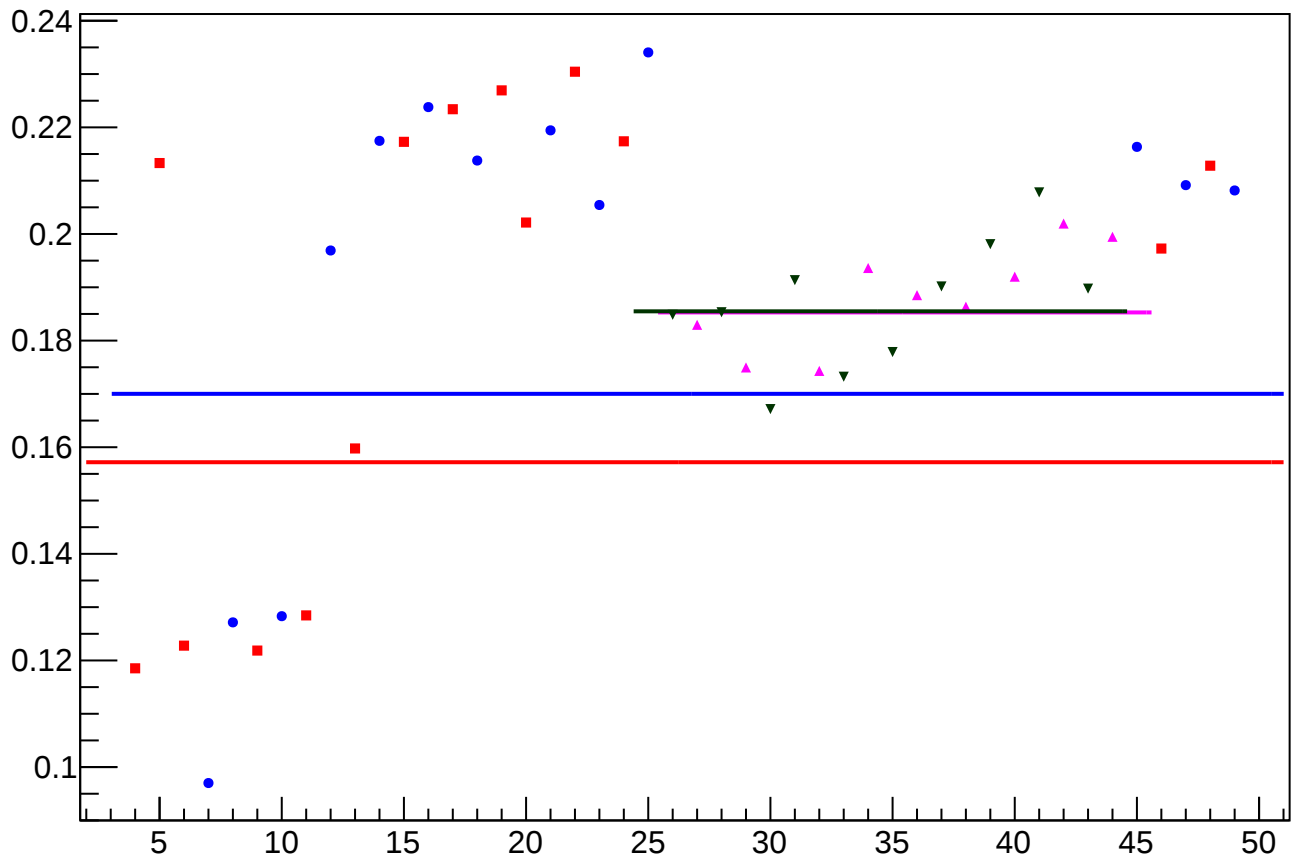
Right Out: 57.433 $\pm$ 0.000 χ^2/NDF : 22985607361.2/13

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

63.473 $\pm$ 0.000 χ^2/NDF : 35593560521.2/22

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

yield_bcm_dg_ds_rms vs slug



Right In: 0.170+/-0.000 χ^2/NDF : 1150736.1/12

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

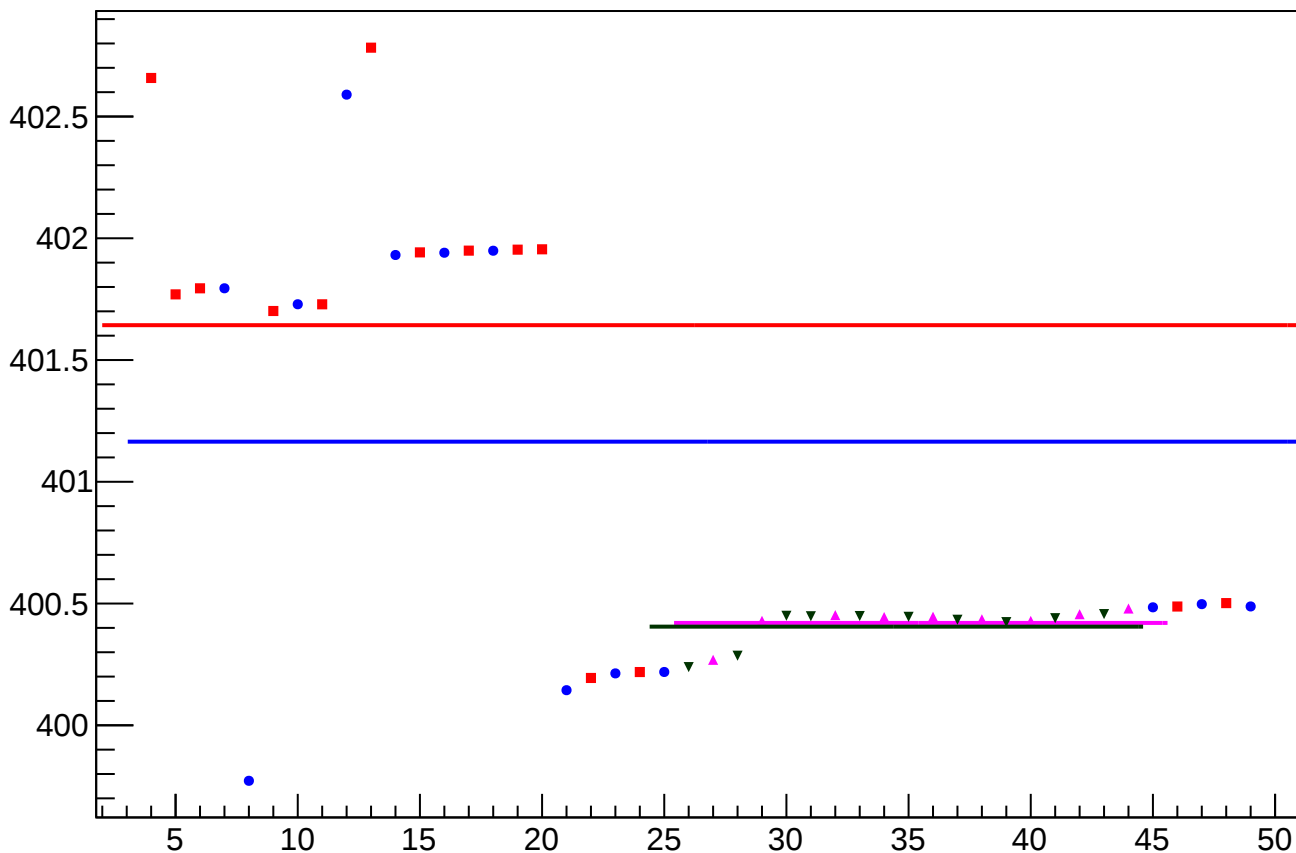
Right Out: 0.157+/-0.000 χ^2/NDF : 923186.0/13

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

0.176+/-0.000 χ^2/NDF : 1235188.0/22

0.168+/-0.000 χ^2/NDF : 1106216.4/22

yield_cav4bQ_mean vs slug



Right In: 401.65+/-0.000 χ^2/NDF : 149972782273.7/12

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

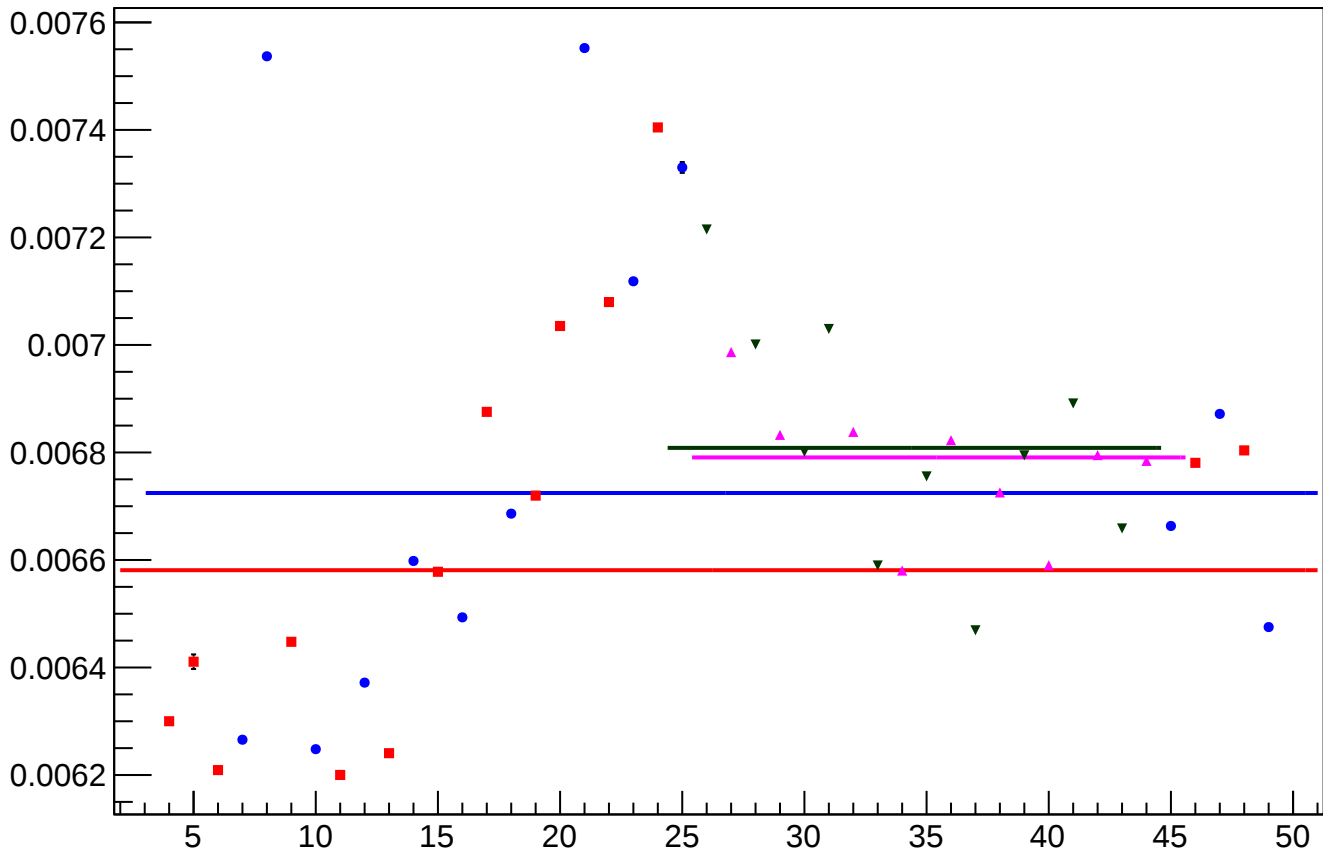
Right Out: 401.643+/-0.000 χ^2/NDF : 117101300037.4/13

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

400.873+/-0.000 χ^2/NDF : 191844389970.6/22

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

yield_cav4bQ_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 66438.1/12

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

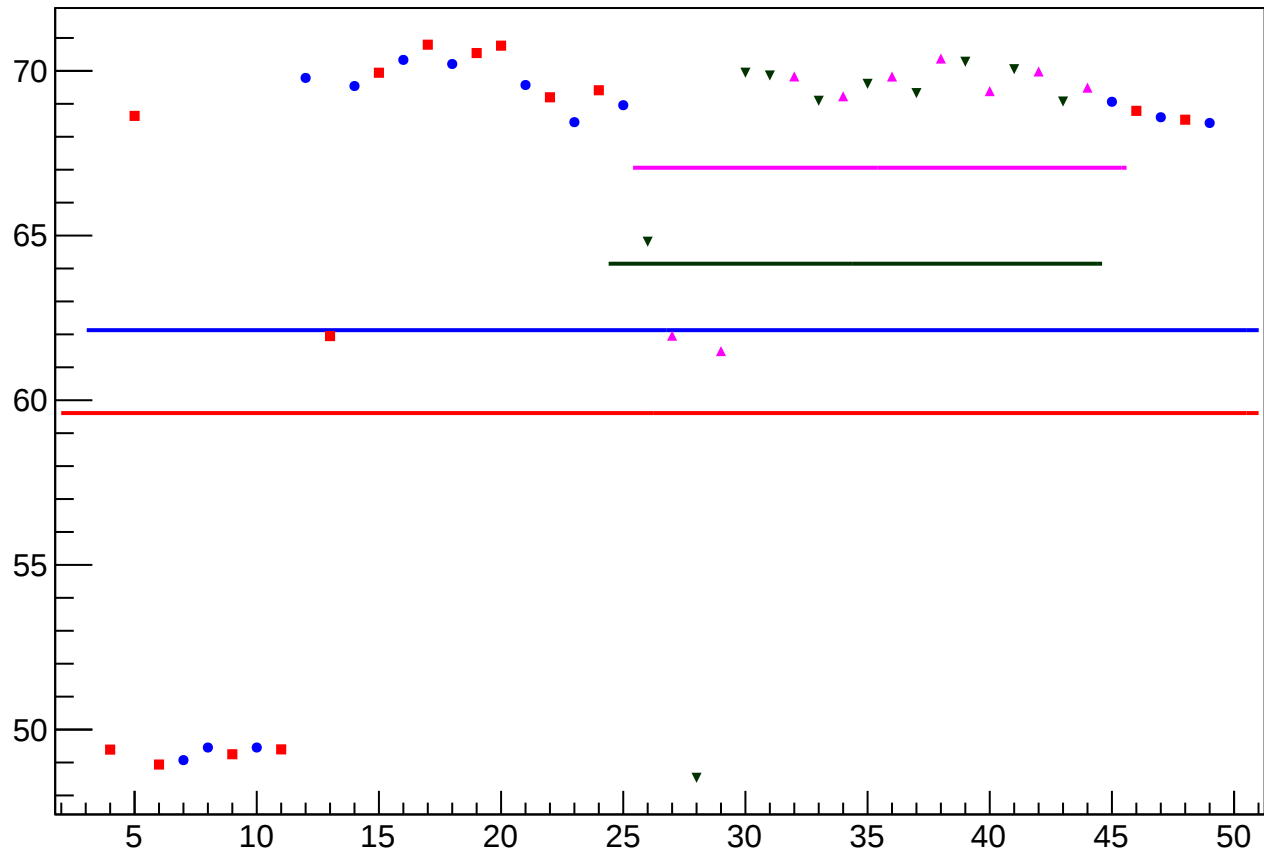
Right Out: 0.007+/-0.000 χ^2/NDF : 44282.0/13

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

0.007+/-0.000 χ^2/NDF : 77228.6/22

0.007+/-0.000 χ^2/NDF : 54085.1/22

yield_cav4cQ_mean vs slug



Right In: 62.128 $\pm$ 0.000 χ^2 /NDF: 15768854412.8/12

Left Out: 64.145 $\pm$ 0.000 χ^2 /NDF: 8533420736.0/9

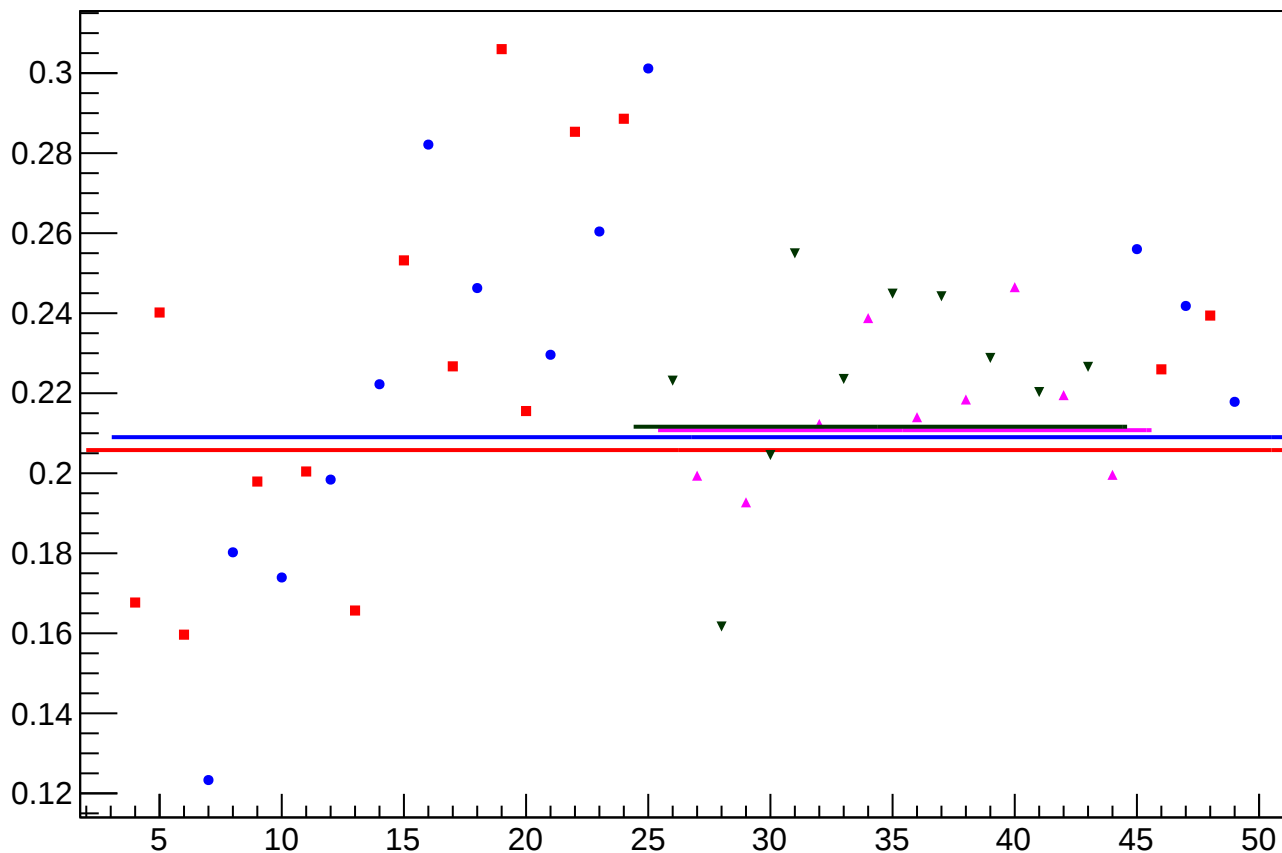
62.902 $\pm$ 0.000 χ^2 /NDF: 24569755761.9/22

Right Out: 59.610 $\pm$ 0.000 χ^2 /NDF: 12902858867.0/13

62.877 $\pm$ 0.000 χ^2 /NDF: 18108648034.1/22

Left In: 67.060 $\pm$ 0.000 χ^2 /NDF: 1652898078.7/8

yield_cav4cQ_rms vs slug



Right In: 0.209 $\pm$ 0.000 χ^2 /NDF: 577542.6/12

Left Out: 0.212 $\pm$ 0.000 χ^2 /NDF: 201414.9/9

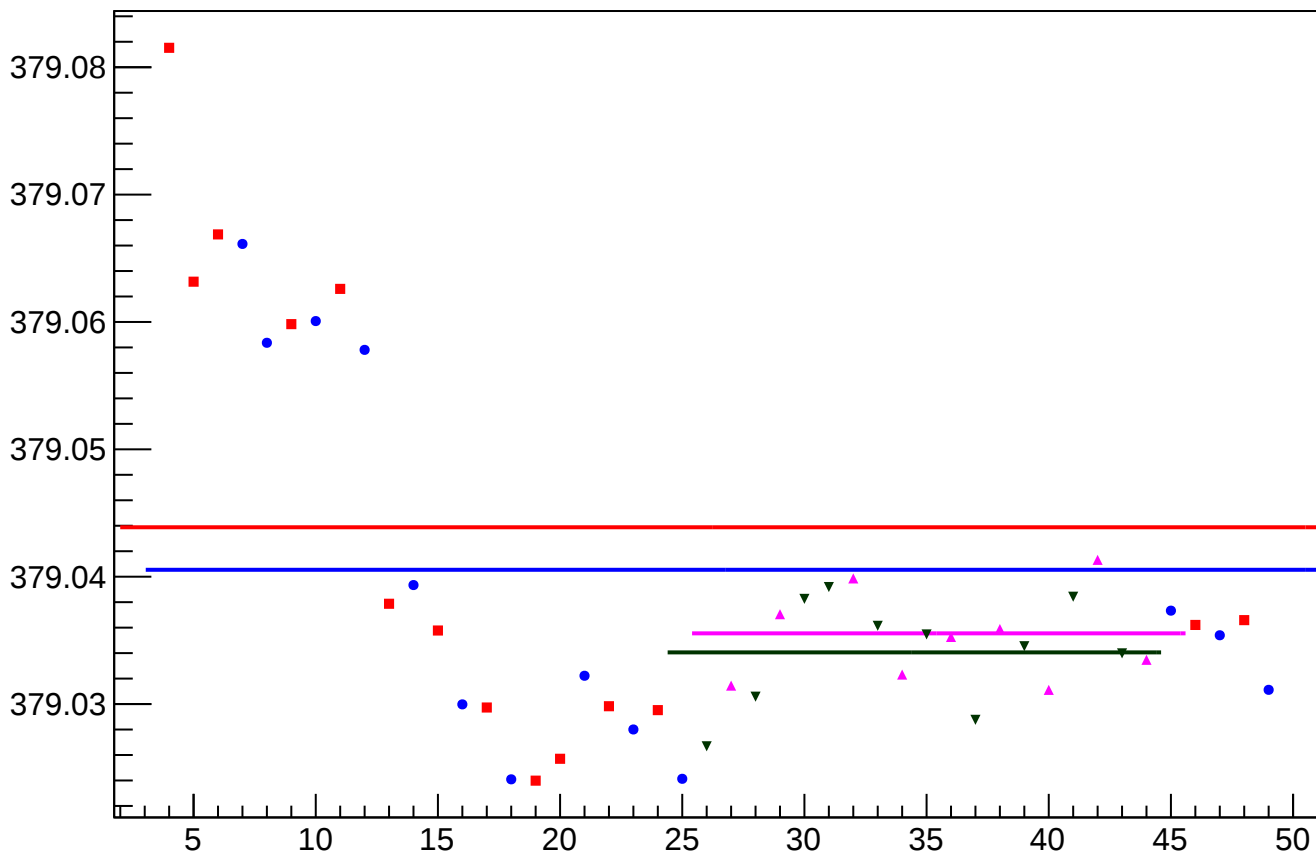
Right Out: 0.206 $\pm$ 0.000 χ^2 /NDF: 504917.5/13

Left In: 0.211 $\pm$ 0.000 χ^2 /NDF: 54593.1/8

0.210 $\pm$ 0.000 χ^2 /NDF: 779852.4/22

0.208 $\pm$ 0.000 χ^2 /NDF: 562681.8/22

yield_cav4dQ_mean vs slug



Right In: 379.041+/-0.000 χ^2/NDF : 30918779.7/12

Left Out: 379.034+/-0.000 χ^2/NDF :1785889.4/9

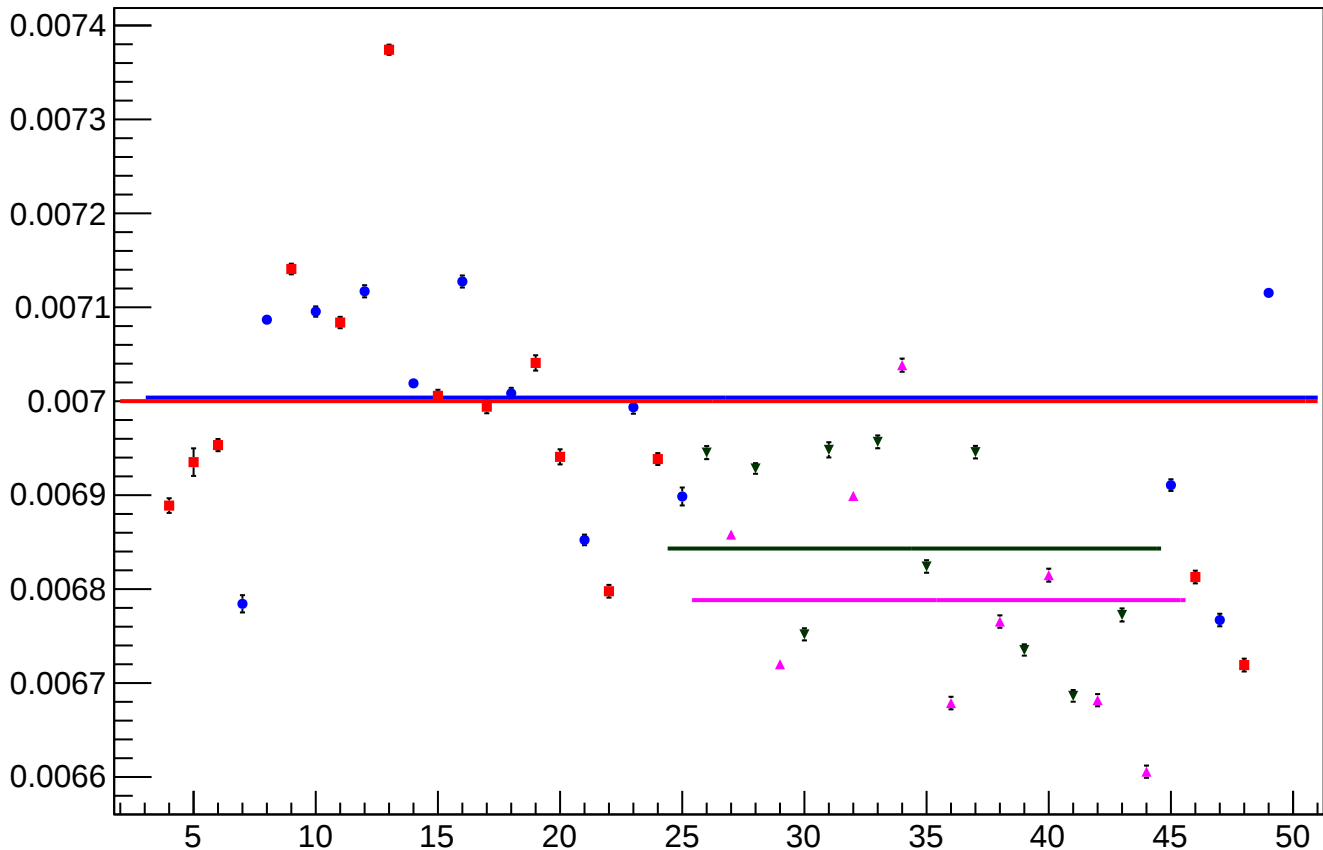
Right Out: 379.044+/-0.000 χ^2/NDF : 42325489.3/13

Left In: 379.036+/-0.000 χ^2/NDF :1460266.1/8

379.038+/-0.000 χ^2/NDF : 35612887.0/22

379.040+/-0.000 χ^2/NDF : 48478393.6/22

yield_cav4dQ_rms vs slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 4524.7/12

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

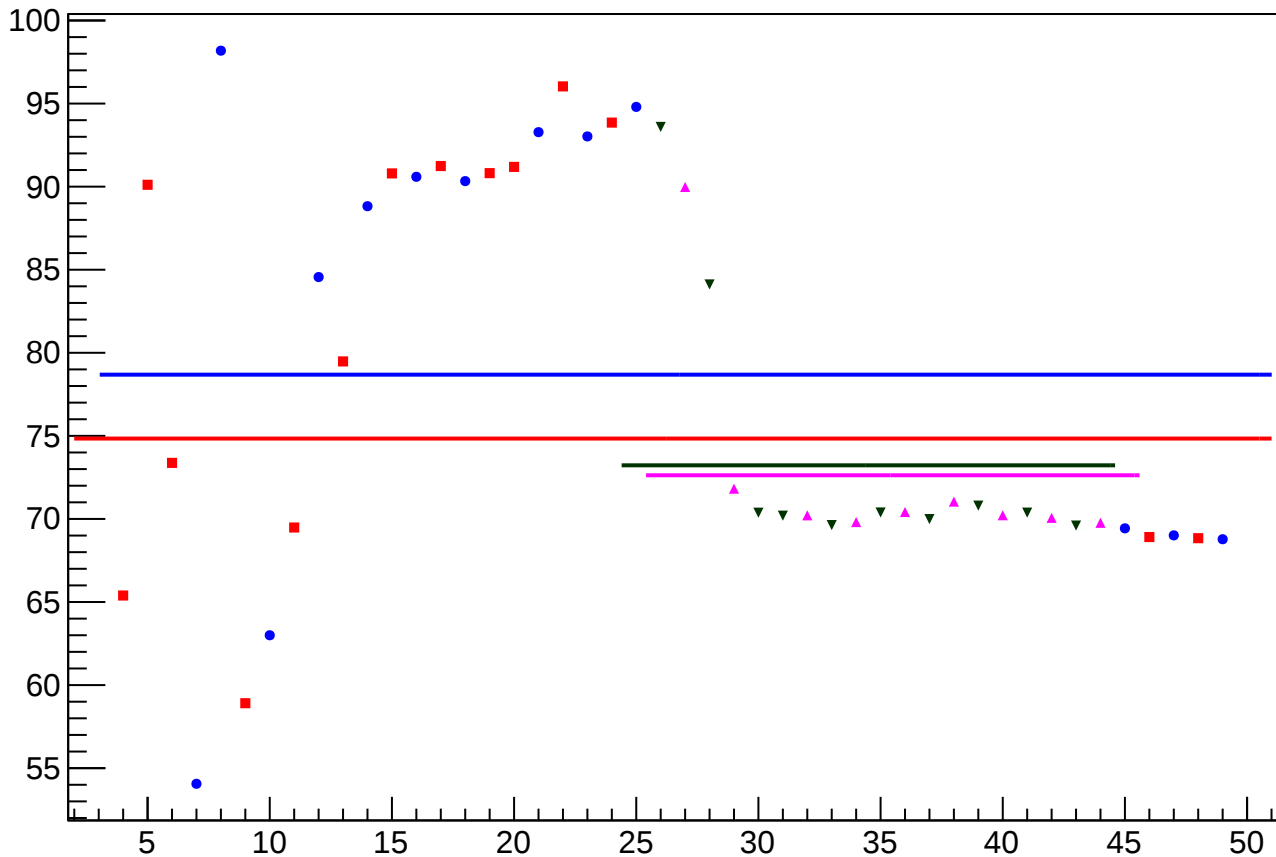
Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 9412.5/13

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

0.007 $\pm$ 0.000 χ^2 /NDF: 10474.9/22

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

yield_bcm0l02_mean vs slug



Right In: 78.683+/-0.000 χ^2/NDF : 18517295615.7/12

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

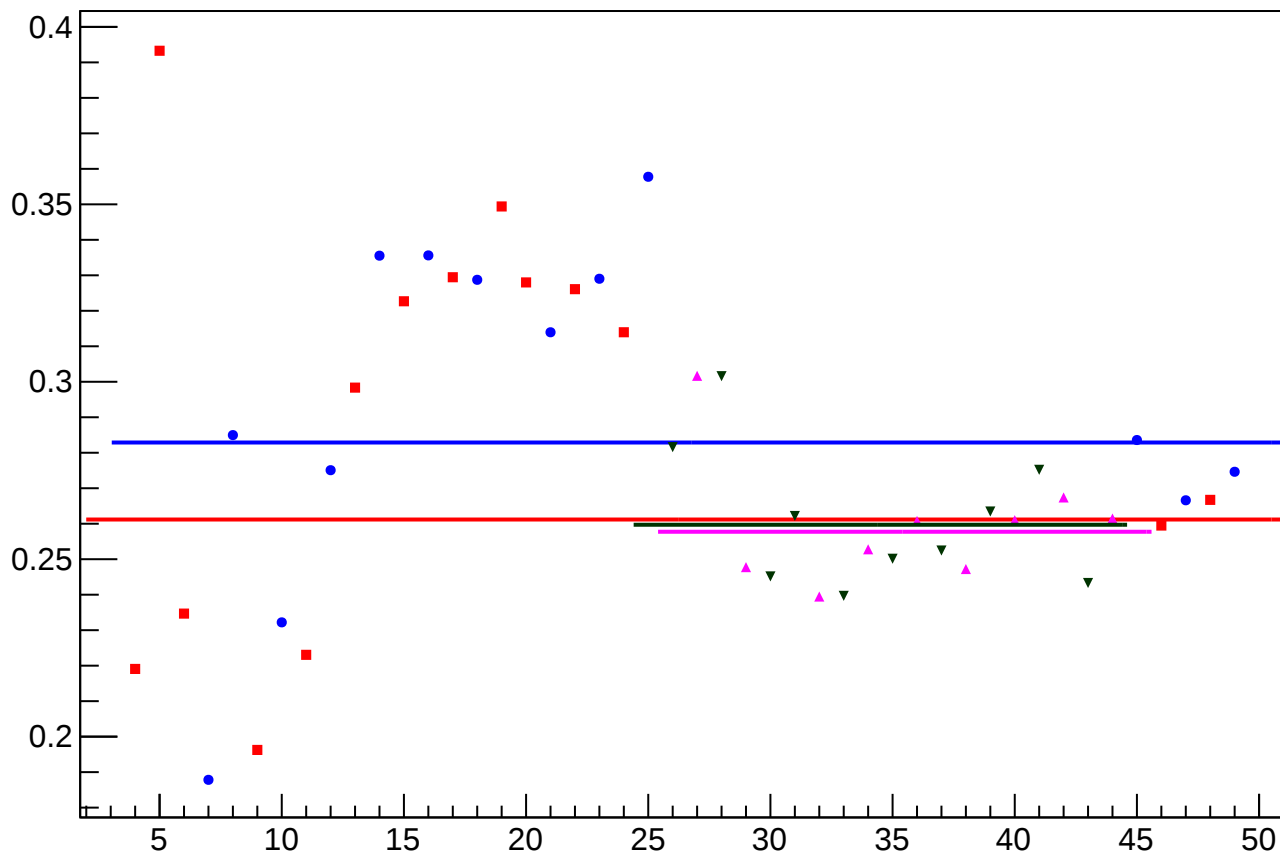
Right Out: 74.838+/-0.000 χ^2/NDF : 14038325022.1/13

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

76.302+/-0.000 χ^2/NDF : 23476140560.6/22

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

yield_bcm0l02_rms vs slug



Right In: 0.283+/-0.000 χ^2/NDF : 350681.8/12

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

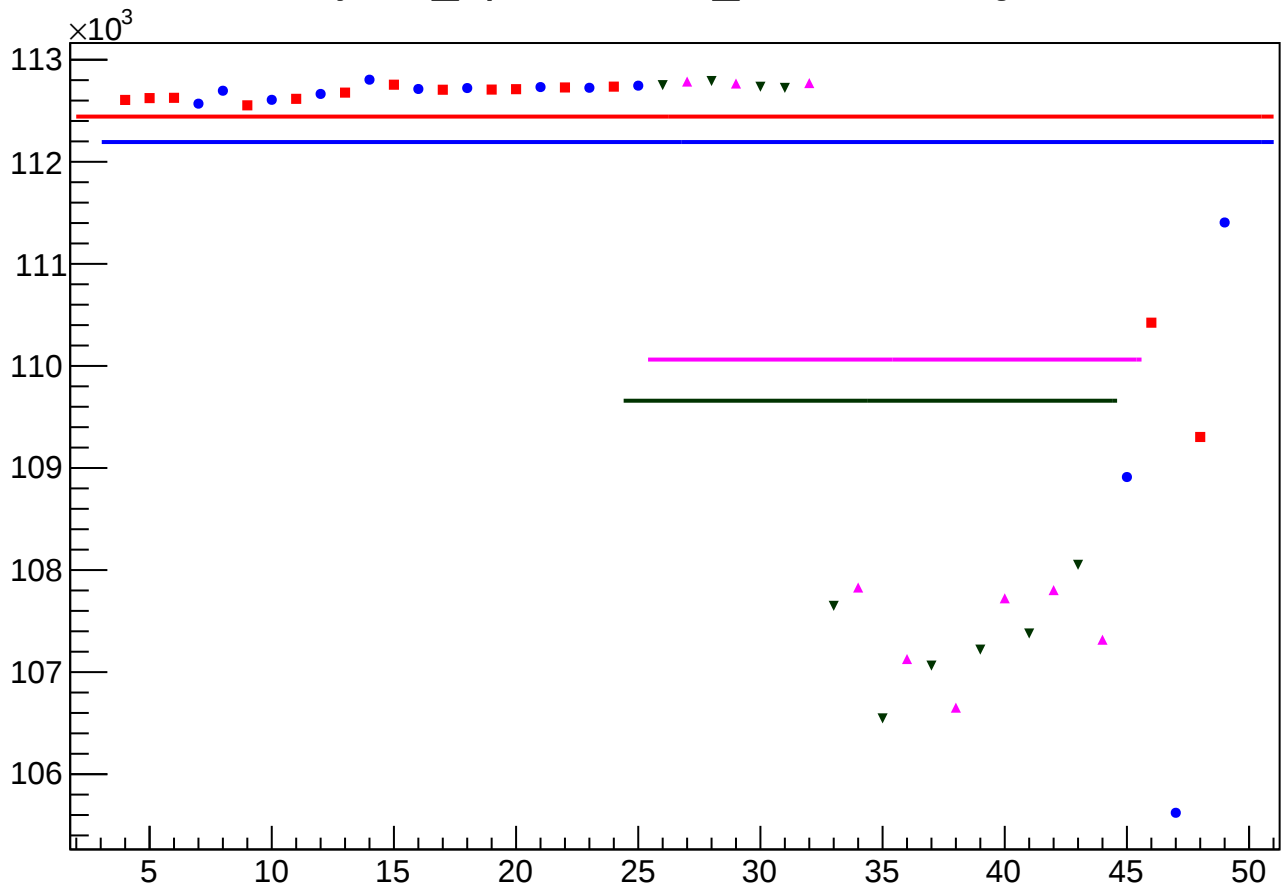
Right Out: 0.261+/-0.000 χ^2/NDF : 481964.9/13

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

0.273+/-0.000 χ^2/NDF : 442868.8/22

0.260+/-0.000 χ^2/NDF : 532145.9/22

yield_bpm2i01WS_mean vs slug



Right In: 112193.610 $\pm$ 0.039 χ^2 /NDF: 1488542799.2/12

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

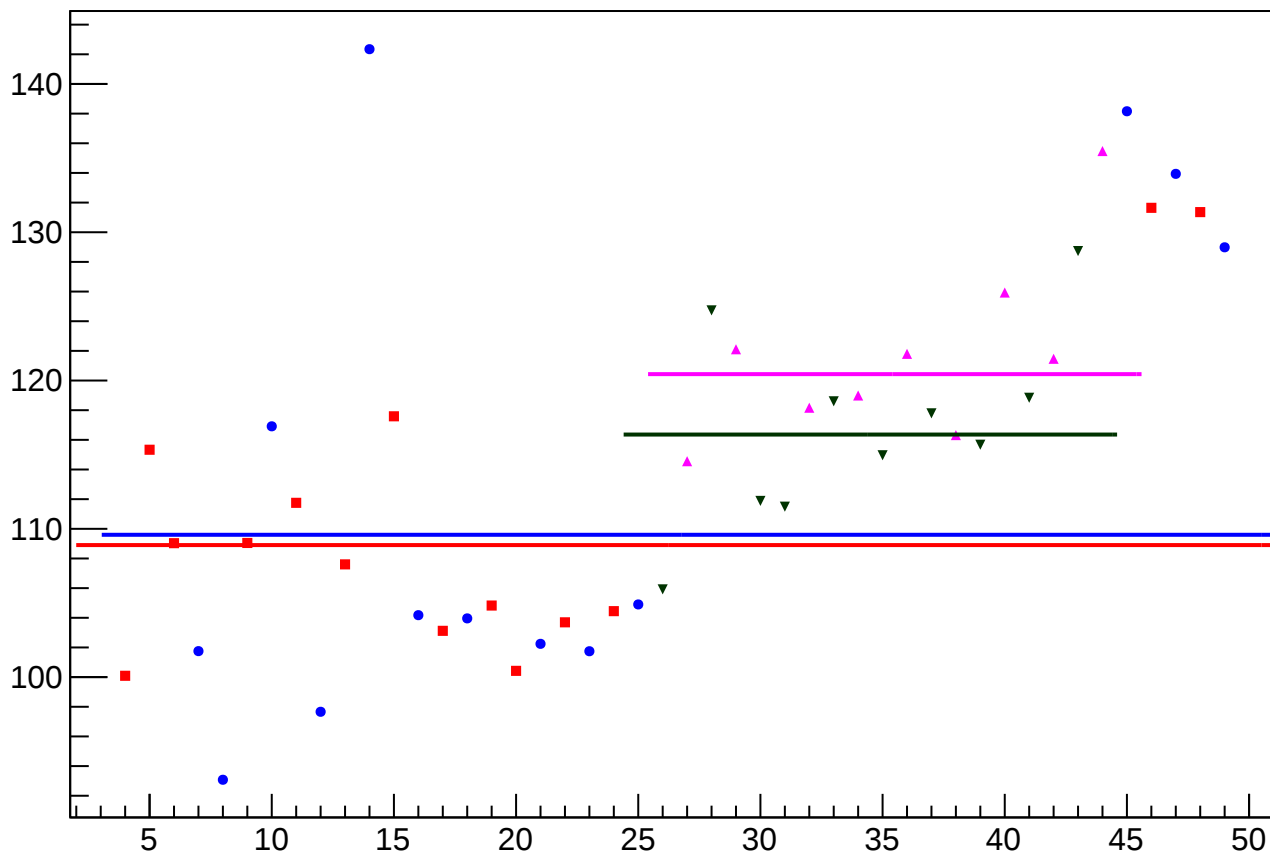
Right Out: 112443.124 $\pm$ 0.042 χ^2 /NDF: 369062400.3/13

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

111297.712 $\pm$ 0.031 χ^2 /NDF: 5663631765.0/22

111538.730 $\pm$ 0.033 χ^2 /NDF: 4197614438.5/22

yield_bpm2i01WS_rms vs slug



Right In: 109.598 $\pm$ 0.028 χ^2 /NDF: 316016.6/12

Left Out: 116.357 $\pm$ 0.037 χ^2 /NDF:26817.0/9

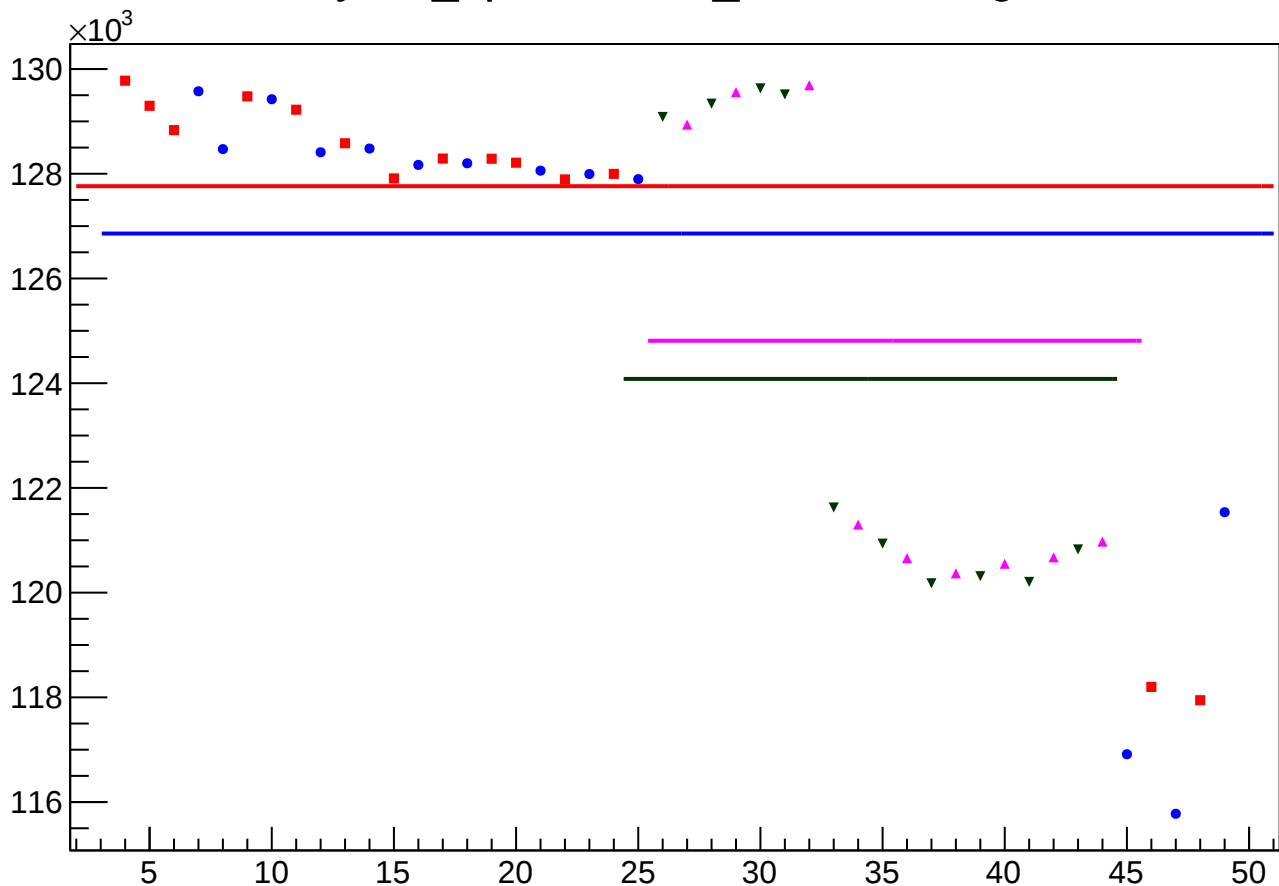
Right Out: 108.904 $\pm$ 0.029 χ^2 /NDF: 72673.2/13

Left In: 120.432 $\pm$ 0.038 χ^2 /NDF:18918.6/8

111.987 $\pm$ 0.022 χ^2 /NDF: 364003.5/22

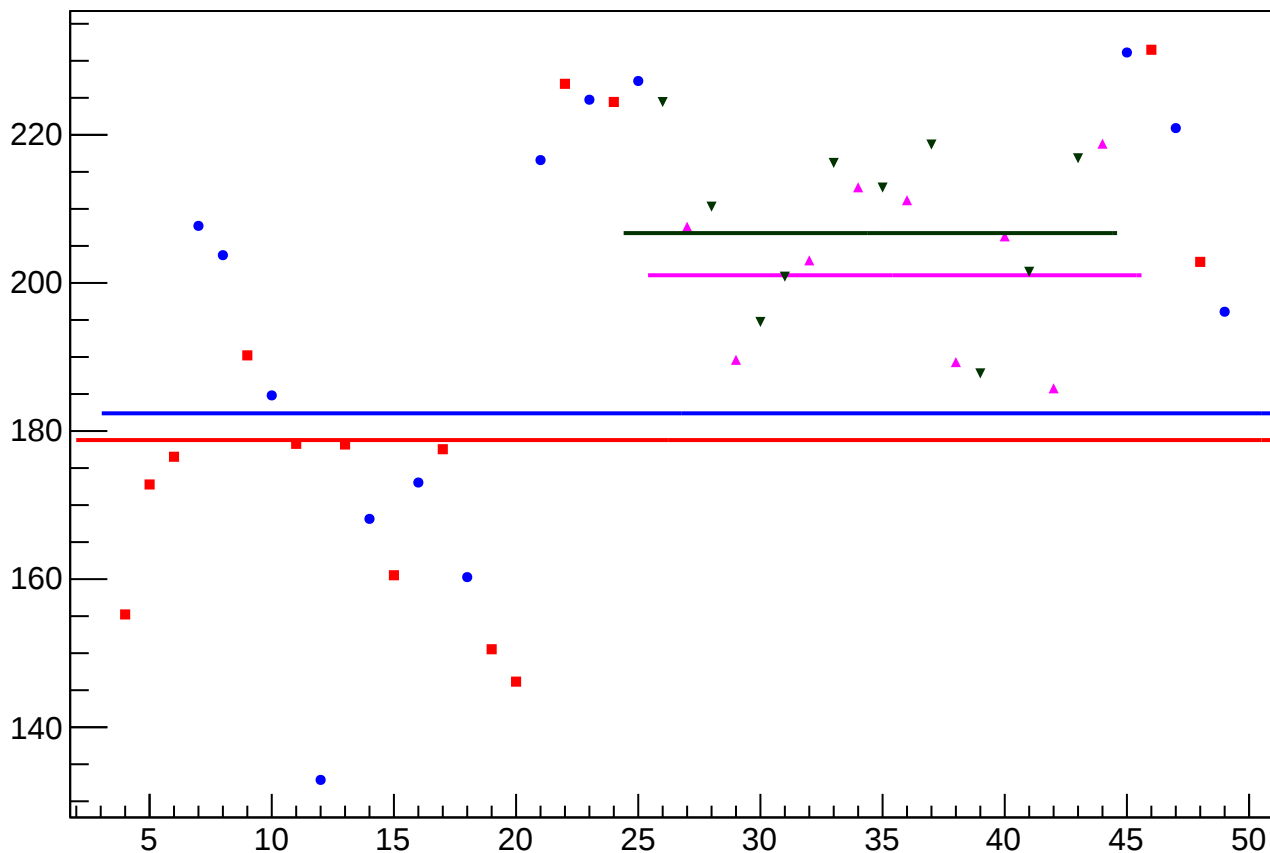
113.283 $\pm$ 0.023 χ^2 /NDF: 149680.0/22

yield_bpm0i07WS_mean vs slug



Right In: 126858.107 $\pm$ 0.064	χ^2 /NDF: 3316949802.6/12	125918.117 $\pm$ 0.052	χ^2 /NDF: 6238043075.6/22
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: 182.393+/-0.046 χ^2/NDF : 413731.2/12

Left Out: 206.733+/-0.064 χ^2/NDF :32612.0/9

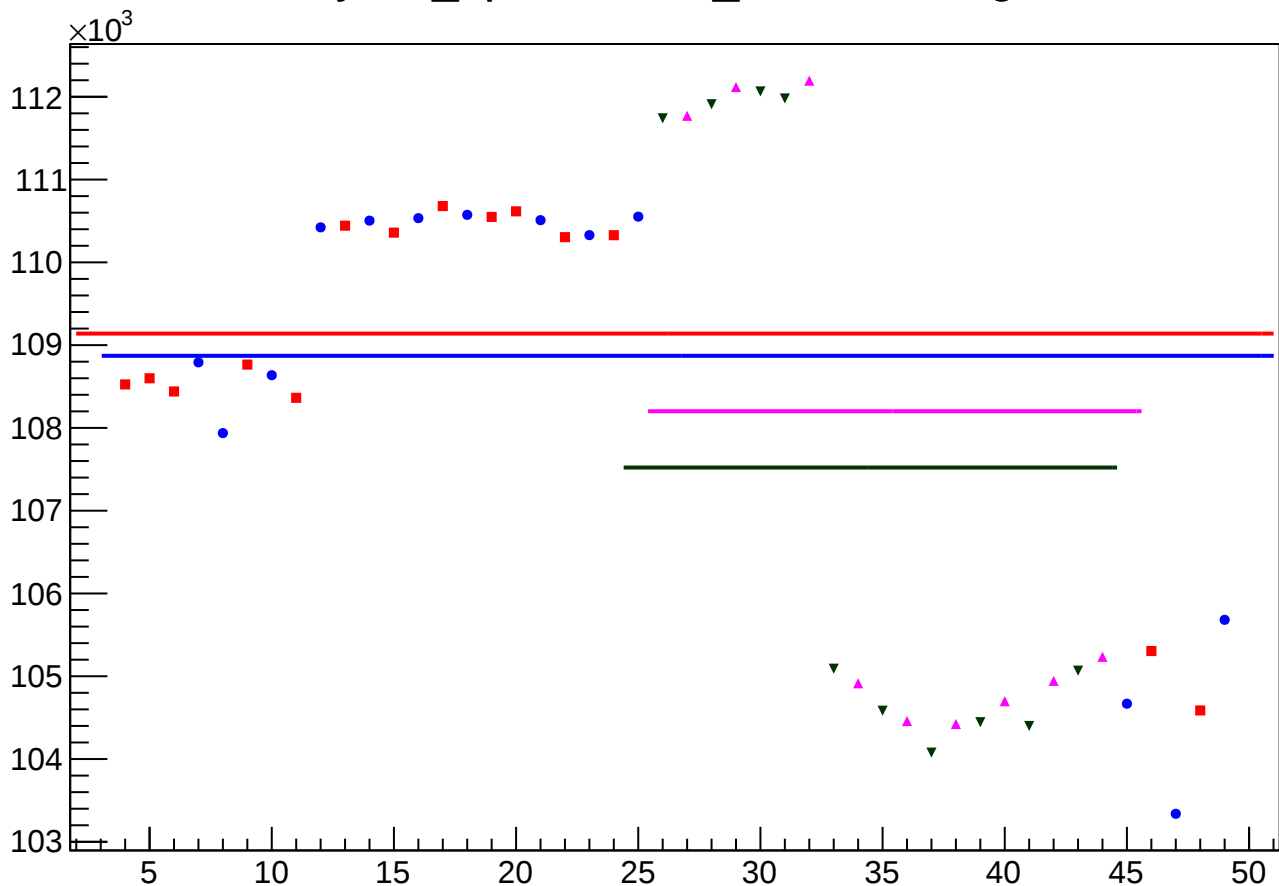
Right Out: 178.781+/-0.048 χ^2/NDF : 240456.1/13

Left In: 201.040+/-0.060 χ^2/NDF :31613.0/8

190.635+/-0.037 χ^2/NDF : 542973.2/22

187.472+/-0.038 χ^2/NDF : 355508.7/22

yield_bpm0l01WS_mean vs slug



Right In: 108870.999 $\pm$ 0.042 χ^2 /NDF: 2678555615.8/12

Left Out: 107521.561 $\pm$ 0.049 χ^2 /NDF: 5321162353.6/9

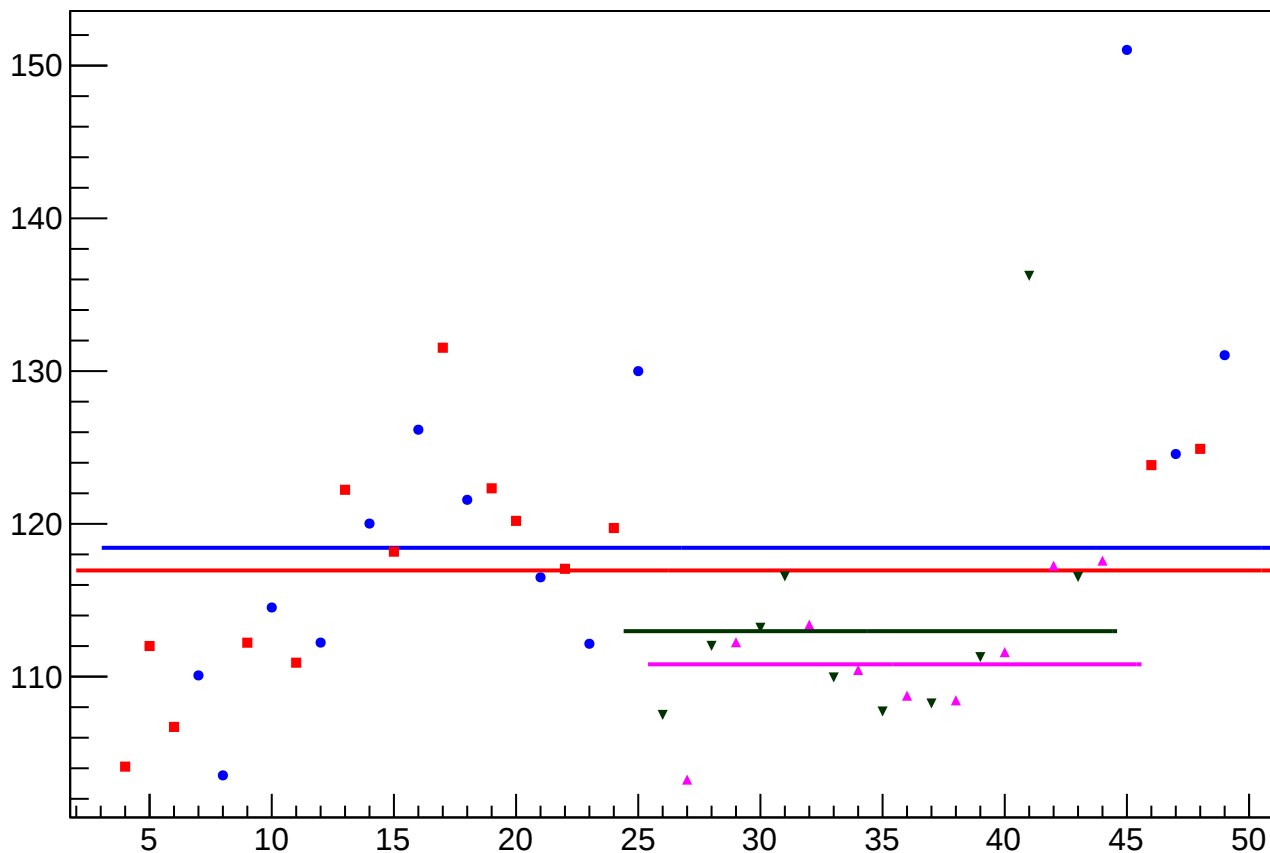
Right Out: 109139.685 $\pm$ 0.044 χ^2 /NDF: 1455826023.0/13

Left In: 108201.722 $\pm$ 0.047 χ^2 /NDF: 5984849706.8/8

108312.353 $\pm$ 0.032 χ^2 /NDF: 8437267108.2/22

108697.226 $\pm$ 0.032 χ^2 /NDF: 7651882794.1/22

yield_bpm0l01WS_rms vs slug



Right In: 118.433+/-0.029 χ^2/NDF : 126079.8/12

Left Out: 112.975+/-0.035 χ^2/NDF : 42849.8/9

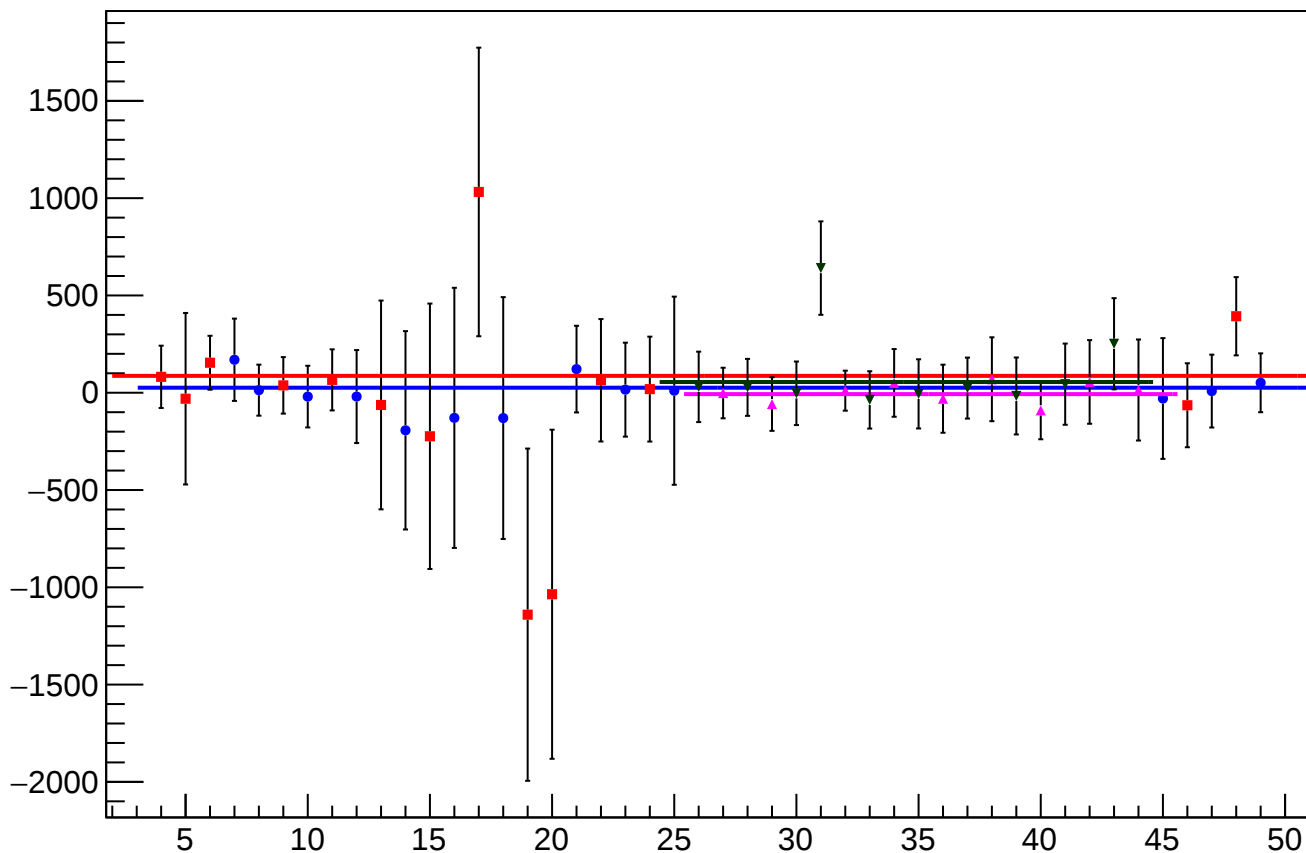
Right Out: 116.950+/-0.031 χ^2/NDF : 50544.0/13

Left In: 110.804+/-0.033 χ^2/NDF : 17542.1/8

116.174+/-0.022 χ^2/NDF : 183242.8/22

114.051+/-0.023 χ^2/NDF : 86217.9/22

asym_bcm_an_ds_mean vs slug



Right In: 25.824 ± 60.769 χ^2/NDF : 1.1/12

Left Out: 55.055 ± 56.152 χ^2/NDF : 7.5/9

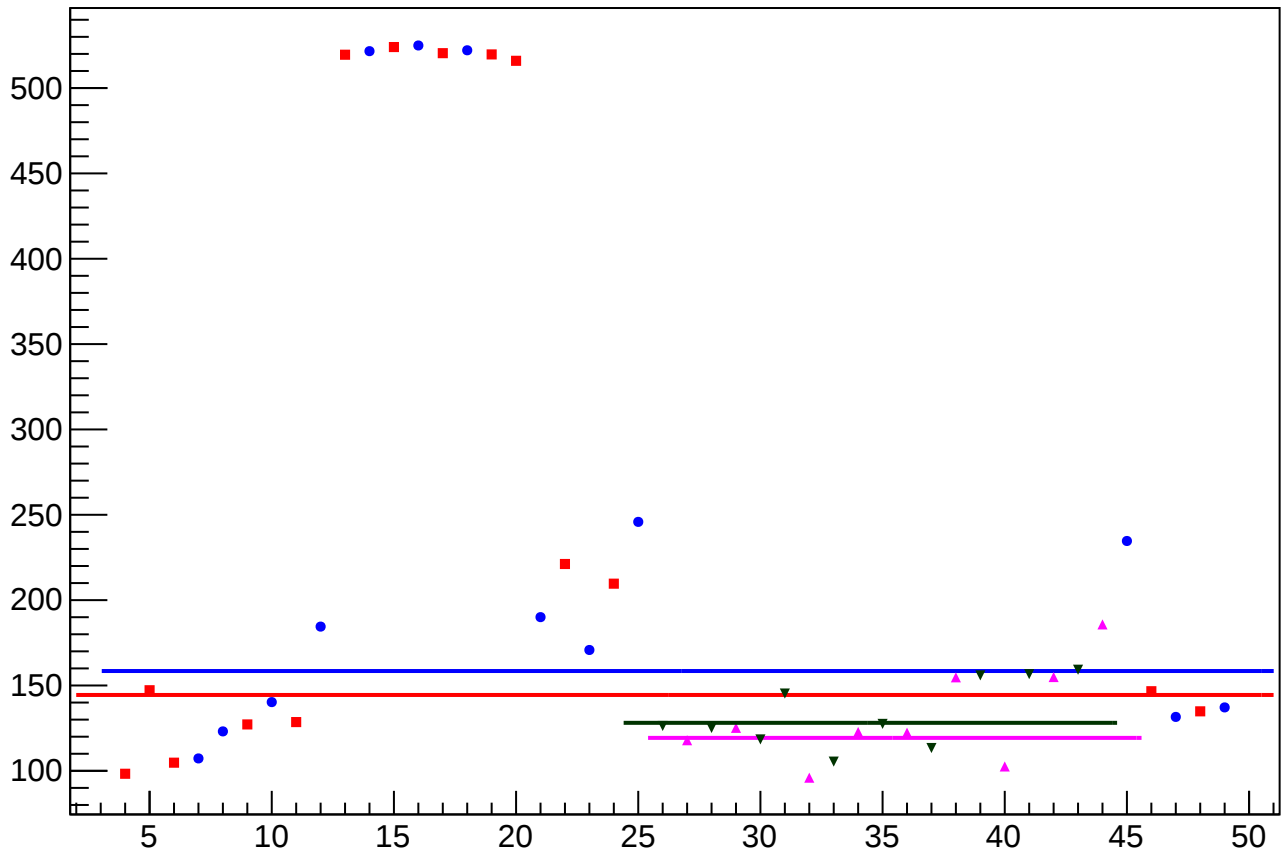
Right Out: 86.771 ± 61.476 χ^2/NDF : 9.1/13

Left In: -7.075 ± 51.612 χ^2/NDF : 0.8/8

41.592 ± 41.241 χ^2/NDF : 8.8/22

31.724 ± 39.528 χ^2/NDF : 11.3/22

asym_bcm_an_ds_rms vs slug



Right In: 158.475+/-0.043 χ^2/NDF : 2926323.6/12

Left Out: 128.125+/-0.040 χ^2/NDF :195774.0/9

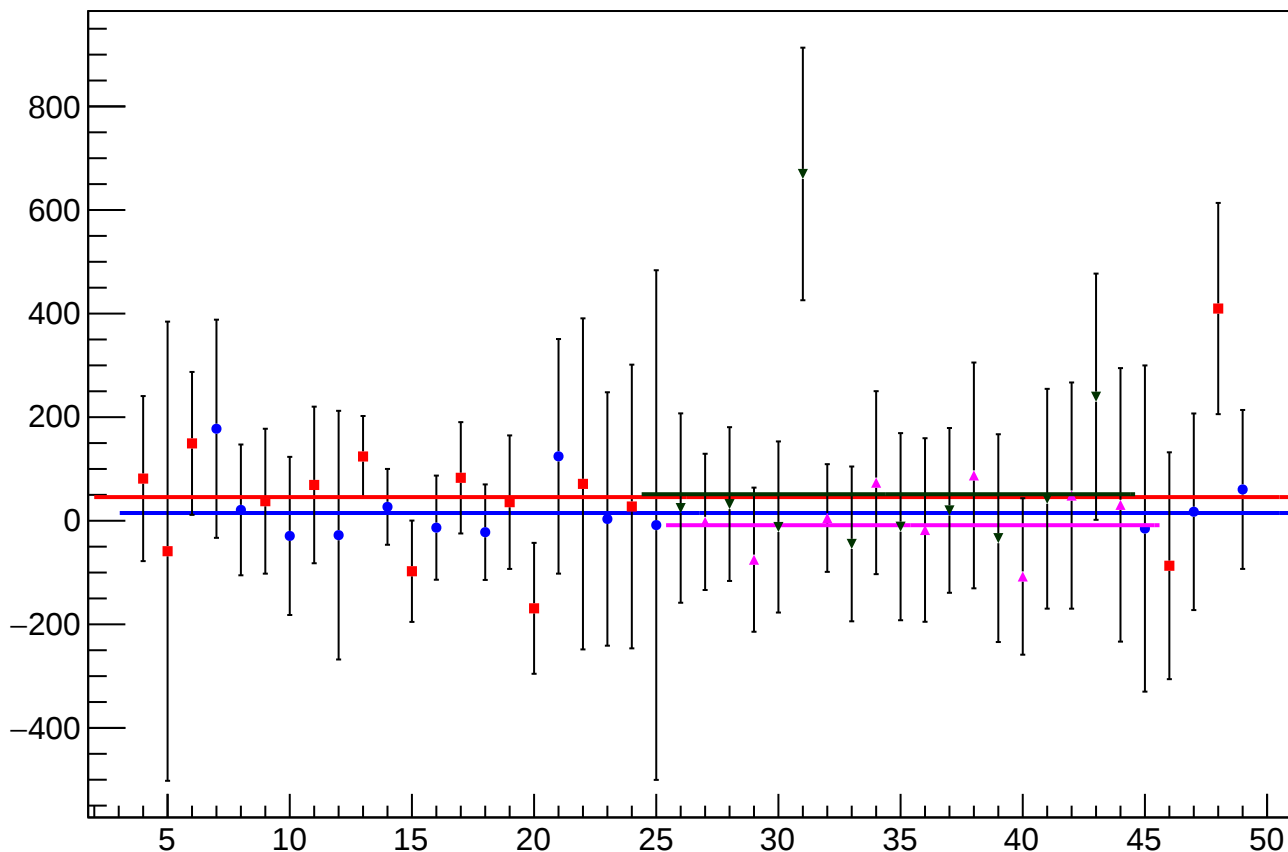
142.103+/-0.029 χ^2/NDF : 3391193.4/22

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: 14.976 $\pm$ 38.656 χ^2 /NDF: 1.3/12

Left Out: 51.240 $\pm$ 56.939 χ^2 /NDF:8.0/9

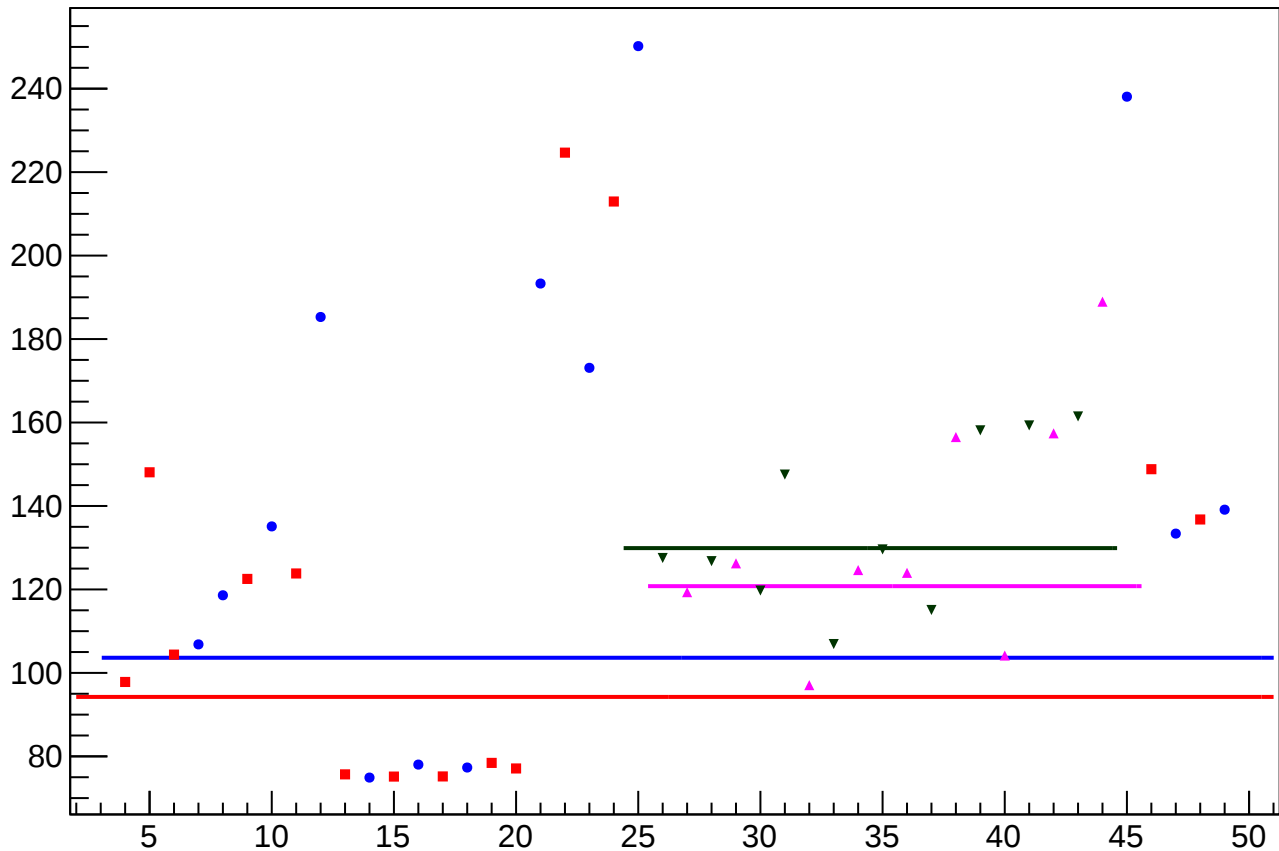
Right Out: 45.683 $\pm$ 36.826 χ^2 /NDF: 10.4/13

Left In: -8.590 $\pm$ 52.268 χ^2 /NDF:1.2/8

26.417 $\pm$ 31.982 χ^2 /NDF: 9.6/22

27.679 $\pm$ 30.104 χ^2 /NDF: 12.3/22

asym_bcm_an_ds3_rms vs slug



Right In: 103.630 ± 0.027 χ^2/NDF : 2117912.1/12

Left Out: 129.904 ± 0.040 χ^2/NDF : 197170.8/9

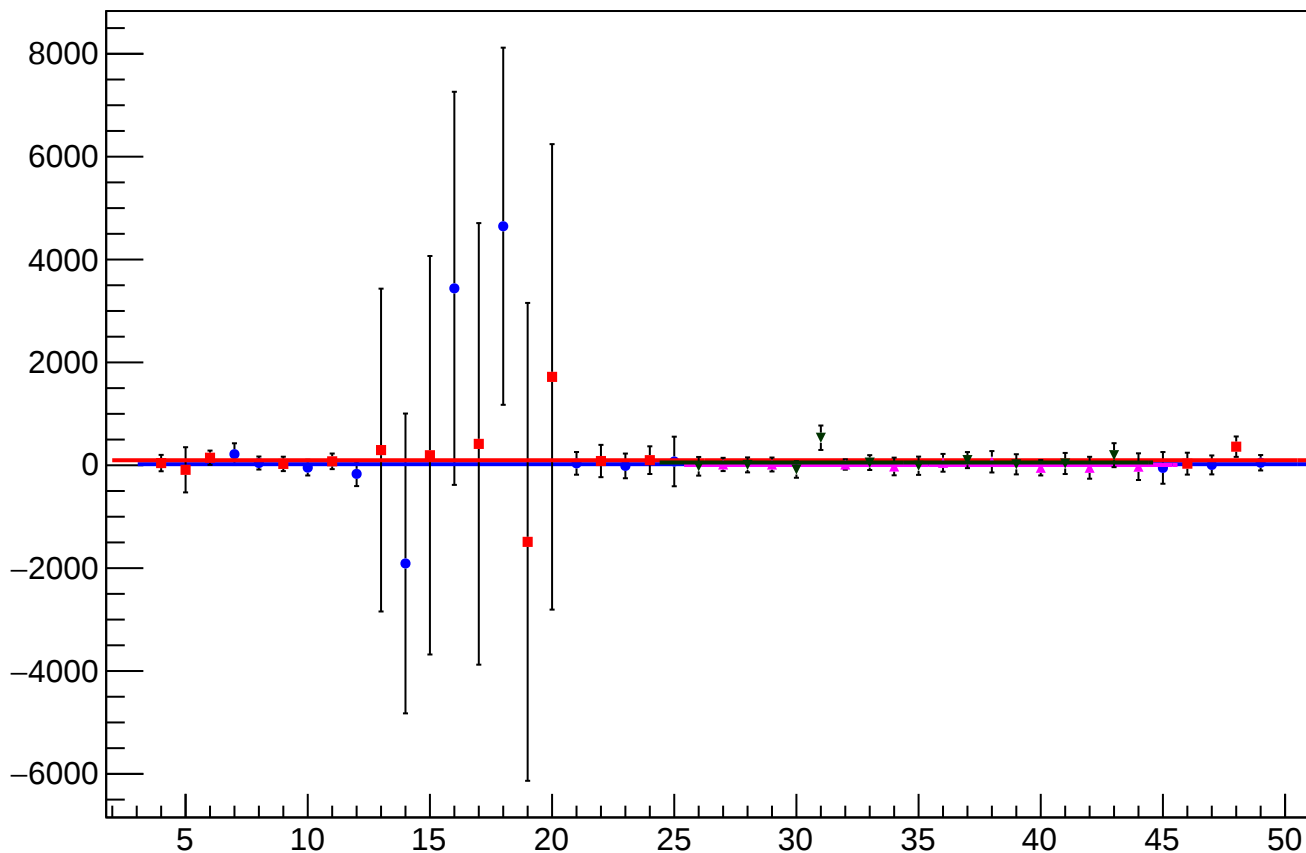
111.919 ± 0.023 χ^2/NDF : 2606575.2/22

Right Out: 94.245 ± 0.026 χ^2/NDF : 1438126.3/13

103.050 ± 0.021 χ^2/NDF : 2159233.6/22

Left In: 120.786 ± 0.037 χ^2/NDF : 376487.8/8

asym_bcm_an_us_mean vs slug



Right In: 21.265+/-60.598 χ^2/NDF : 4.9/12

Left Out: 53.832+/-55.648 χ^2/NDF : 5.7/9

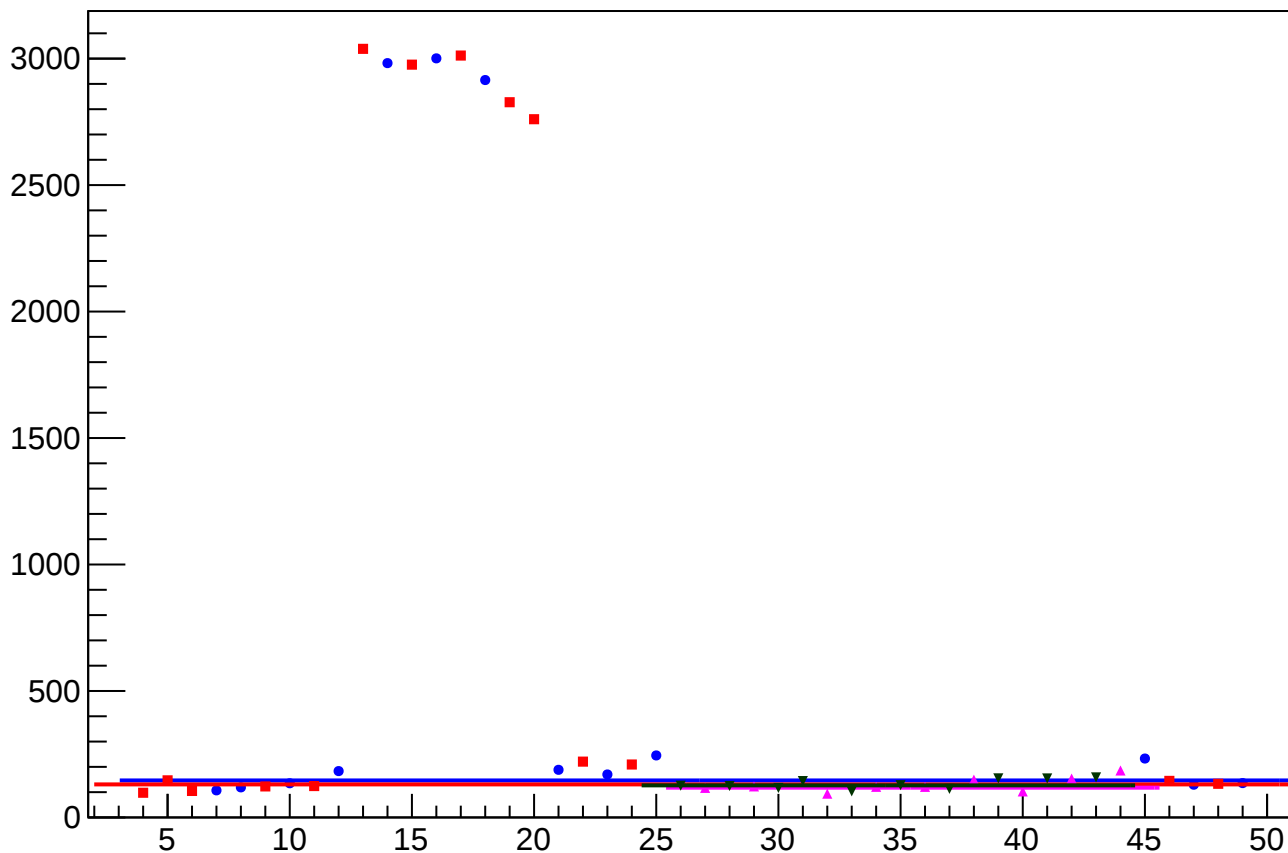
Right Out: 98.013+/-61.652 χ^2/NDF : 2.8/13

Left In: 5.189+/-50.929 χ^2/NDF : 0.4/8

38.933+/-40.988 χ^2/NDF : 10.7/22

42.840+/-39.265 χ^2/NDF : 4.6/22

asym_bcm_an_us_rms vs slug



Right In: 146.305+/-0.043 χ^2/NDF : 4863455.4/12

Left Out: 126.861+/-0.039 χ^2/NDF : 201202.8/9

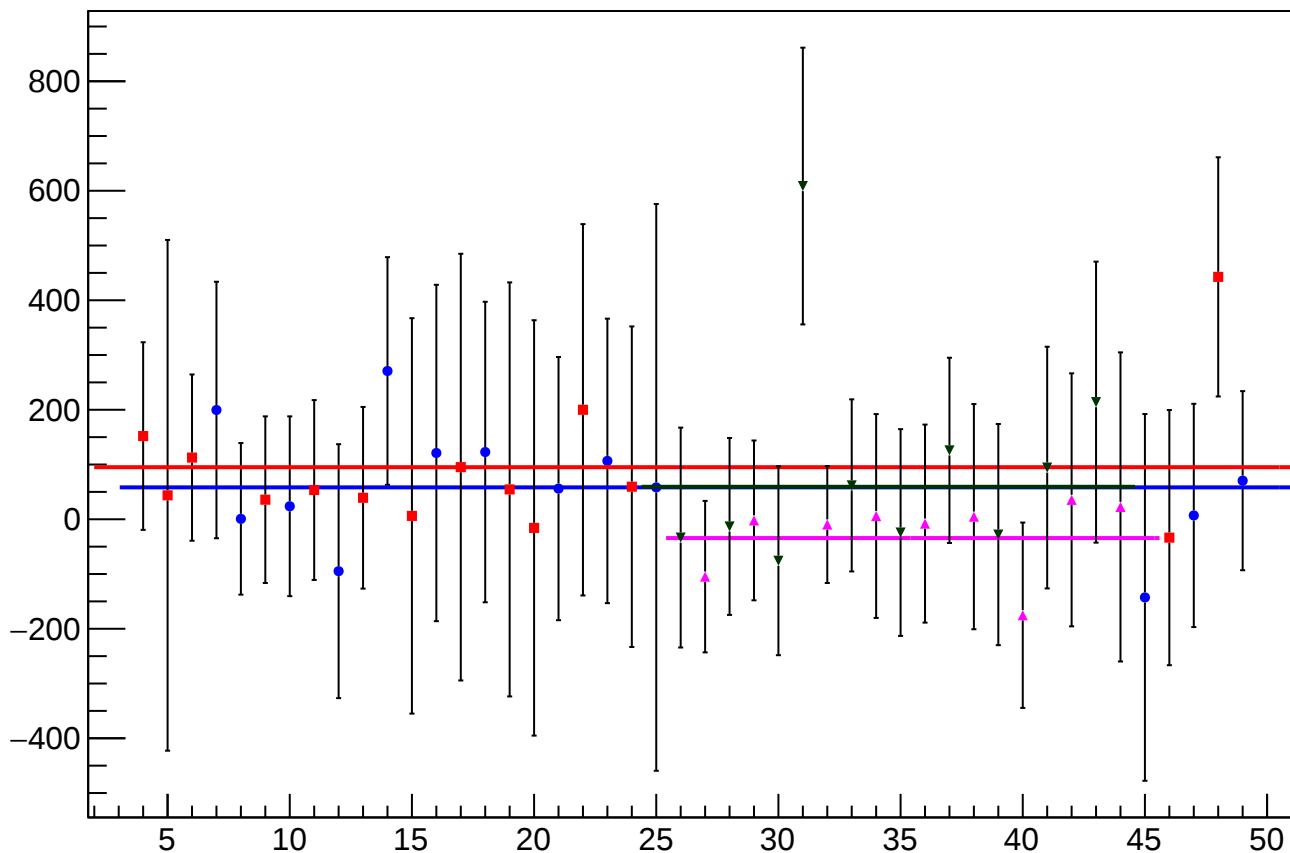
Right Out: 130.662+/-0.044 χ^2/NDF : 5559936.1/13

Left In: 117.710+/-0.036 χ^2/NDF : 374948.7/8

135.757+/-0.029 χ^2/NDF : 5176364.1/22

122.964+/-0.028 χ^2/NDF : 5987356.9/22

asym_bcm_dg_us_mean vs slug



Right In: 58.260 $\pm$ 59.835 χ^2 /NDF: 2.6/12

Left Out: 59.318 $\pm$ 60.188 χ^2 /NDF: 6.7/9

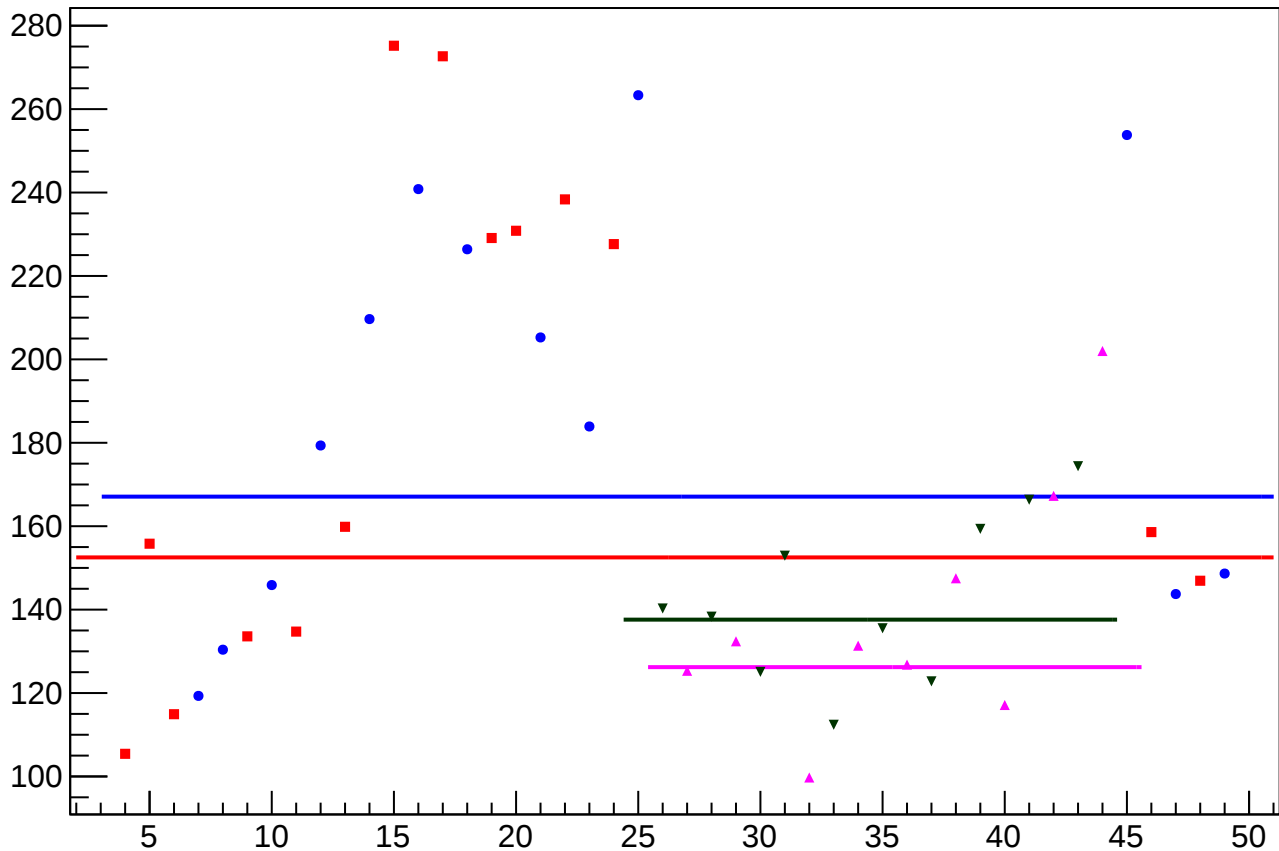
Right Out: 95.114 $\pm$ 59.076 χ^2 /NDF: 3.6/13

Left In: -34.328 $\pm$ 54.542 χ^2 /NDF: 1.3/8

58.786 $\pm$ 42.434 χ^2 /NDF: 9.3/22

25.237 $\pm$ 40.074 χ^2 /NDF: 7.5/22

asym_bcm_dg_us_rms vs slug



Right In: 167.092+/-0.042 χ^2/NDF : 868755.4/12

Left Out: 137.600+/-0.043 χ^2/NDF :183507.0/9

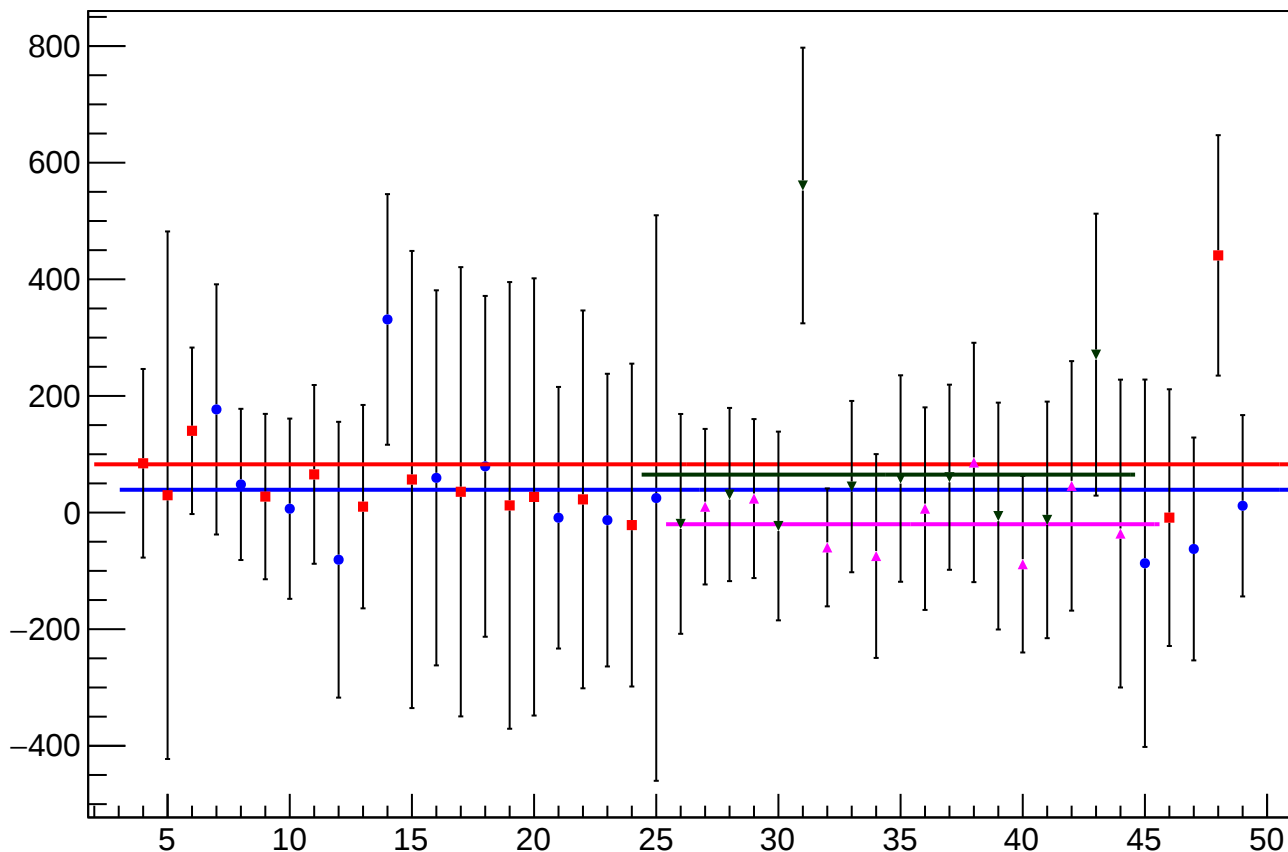
152.433+/-0.030 χ^2/NDF : 1293776.5/22

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: 39.107+/-57.466 χ^2/NDF : 3.2/12

Left Out: 65.067+/-56.313 χ^2/NDF : 6.0/9

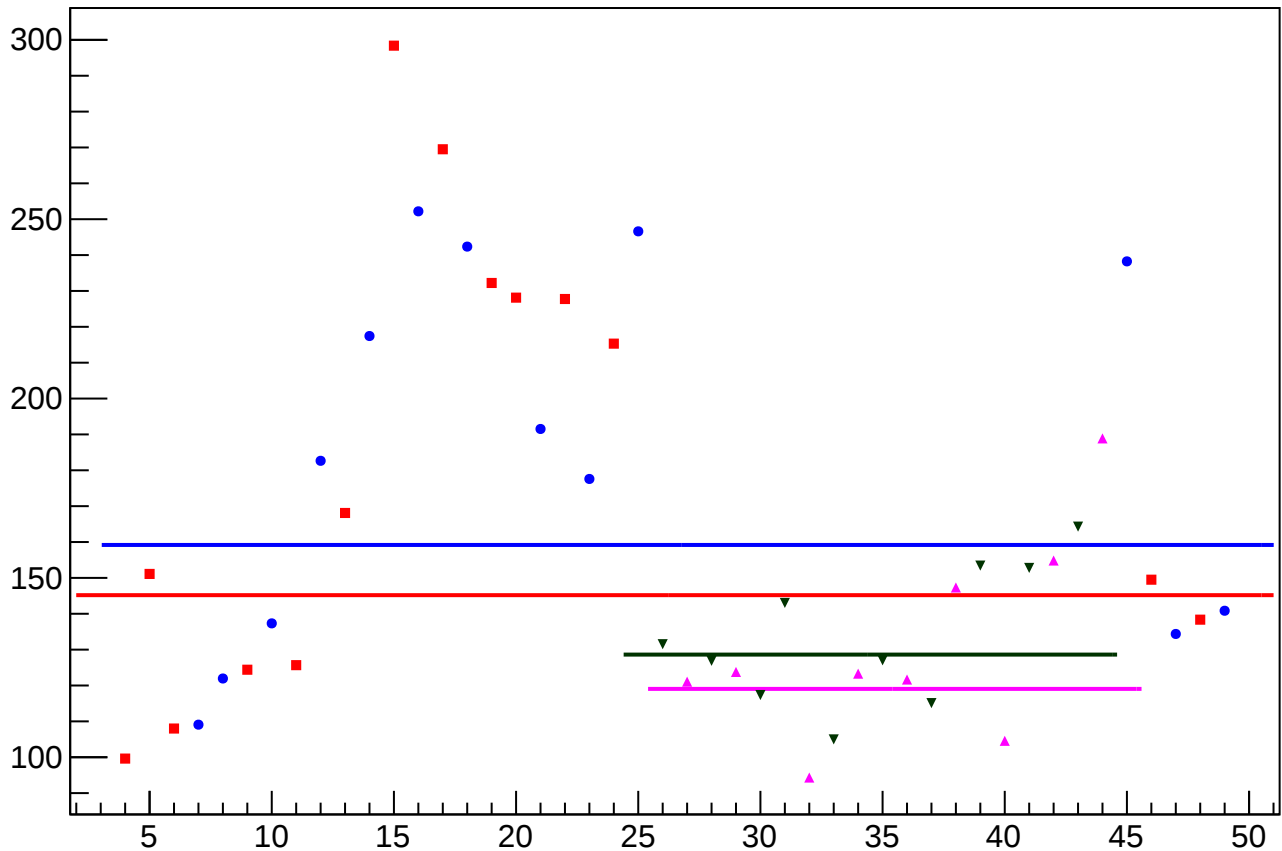
Right Out: 82.746+/-56.680 χ^2/NDF : 4.0/13

Left In: -19.993+/-51.483 χ^2/NDF : 1.0/8

52.350+/-40.221 χ^2/NDF : 9.2/22

26.451+/-38.109 χ^2/NDF : 6.8/22

asym_bcm_dg_ds_rms vs slug



Right In: 159.185 $\pm$ 0.041 χ^2/NDF : 1114834.4/12

Left Out: 128.616 $\pm$ 0.040 χ^2/NDF : 188850.5/9

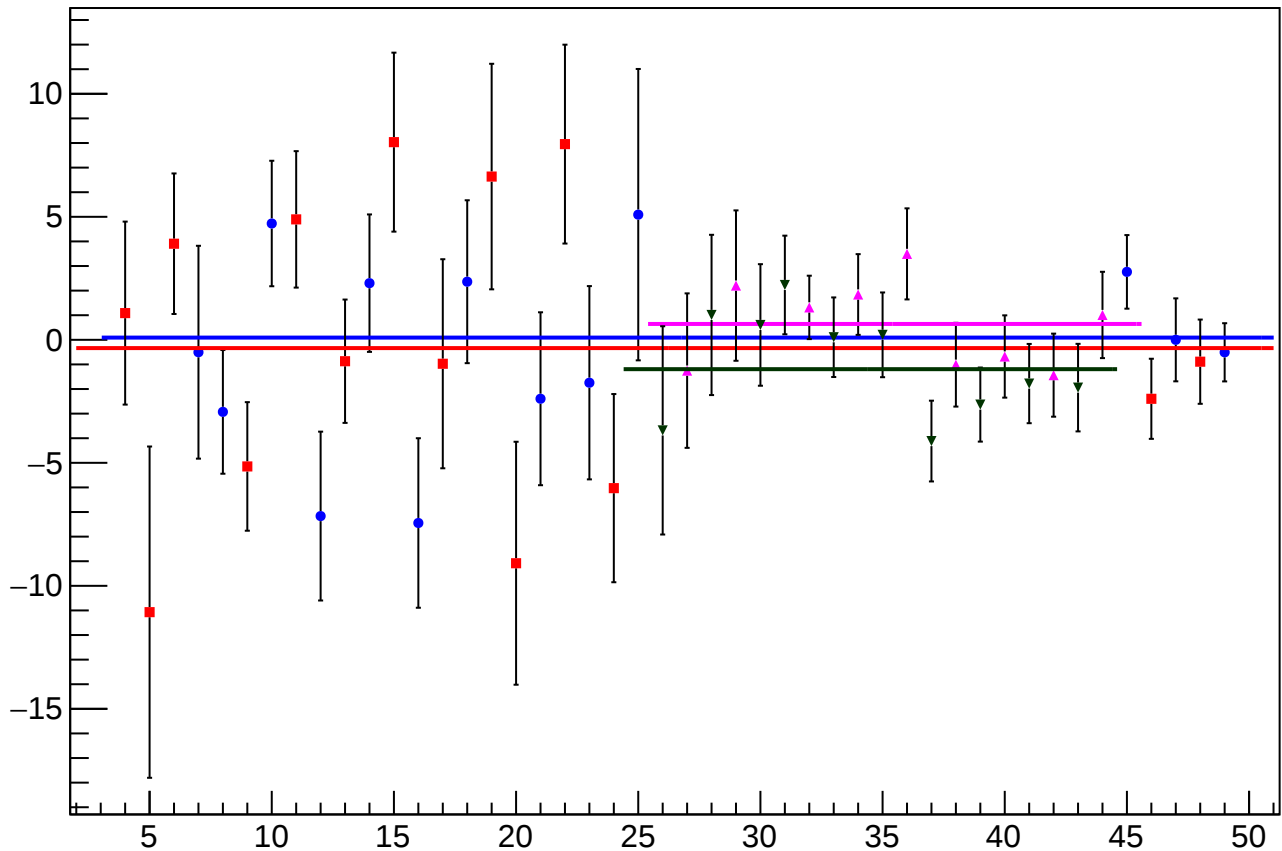
143.591 $\pm$ 0.028 χ^2/NDF : 1592383.6/22

Right Out: 145.186 $\pm$ 0.040 χ^2/NDF : 1380815.2/13

130.867 $\pm$ 0.027 χ^2/NDF : 1989962.8/22

Left In: 119.054 $\pm$ 0.036 χ^2/NDF : 376220.0/8

asym_cav4bQ_mean vs slug



Right In: 0.090 ± 0.640 $\chi^2/\text{NDF}: 20.0/12$

Left Out: -1.193 ± 0.598 $\chi^2/\text{NDF}: 9.9/9$

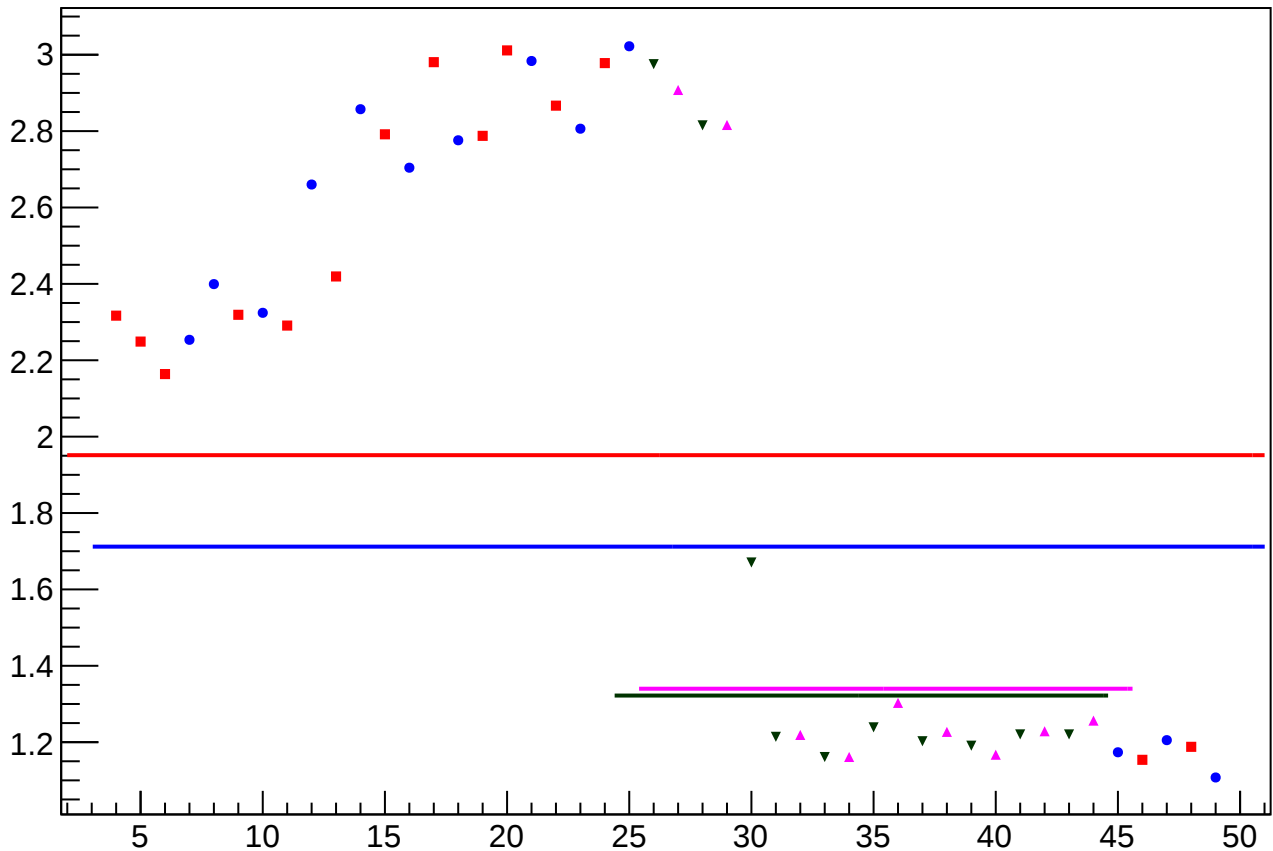
Right Out: -0.336 ± 0.763 $\chi^2/\text{NDF}: 30.8/13$

Left In: 0.645 ± 0.592 $\chi^2/\text{NDF}: 6.9/8$

-0.595 ± 0.437 $\chi^2/\text{NDF}: 32.1/22$

0.276 ± 0.468 $\chi^2/\text{NDF}: 38.8/22$

asym_cav4bQ_rms vs slug



Right In: 1.712+/-0.000 χ^2/NDF : 2634503.5/12

Left Out: 1.322+/-0.000 χ^2/NDF :835682.2/9

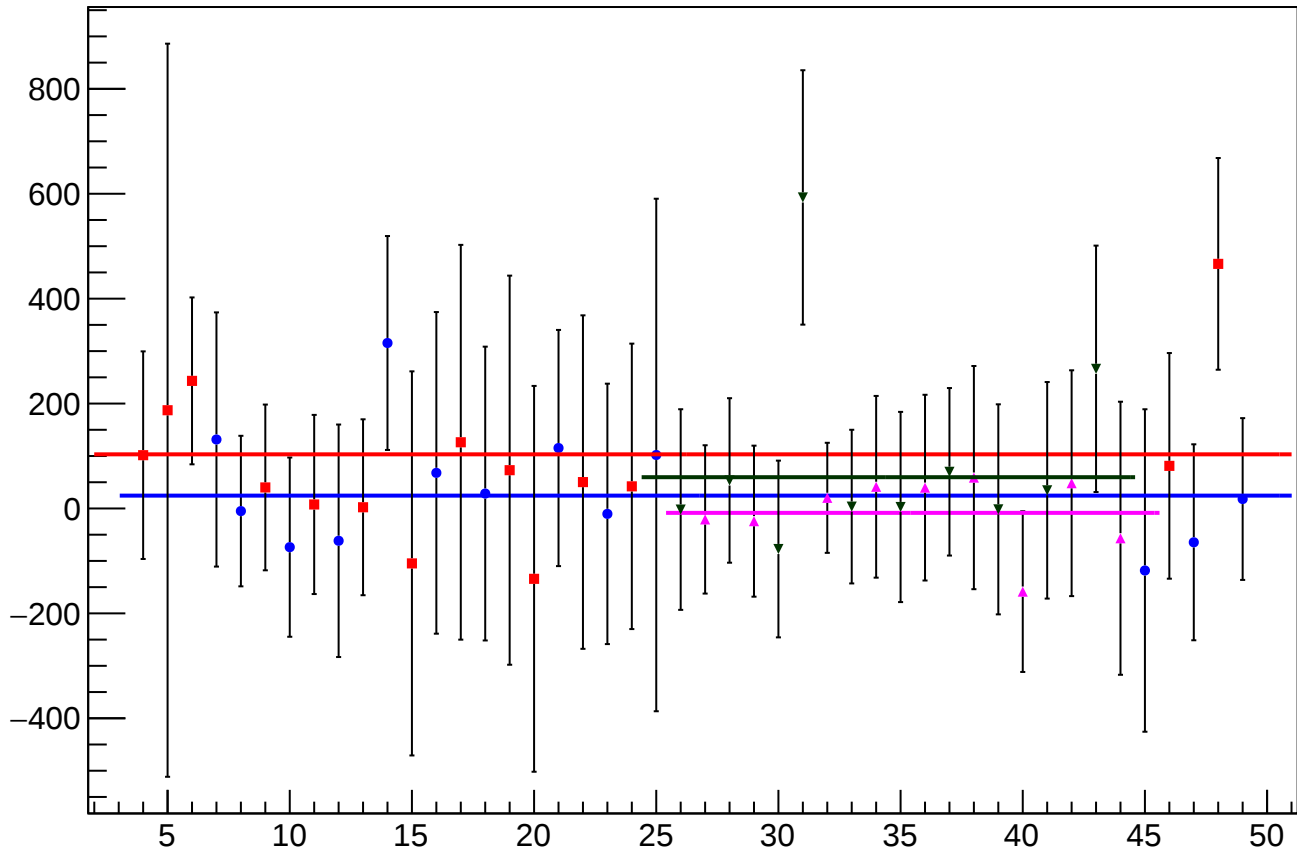
Right Out: 1.951+/-0.001 χ^2/NDF : 1680585.3/13

Left In: 1.340+/-0.000 χ^2/NDF :1050714.6/8

1.504+/-0.000 χ^2/NDF : 3866486.4/22

1.570+/-0.000 χ^2/NDF : 3533717.6/22

asym_cav4cQ_mean vs slug



Right In: 24.495 $\pm$ 58.817 χ^2 /NDF: 3.4/12

Left Out: 59.618 $\pm$ 57.448 χ^2 /NDF: 6.7/9

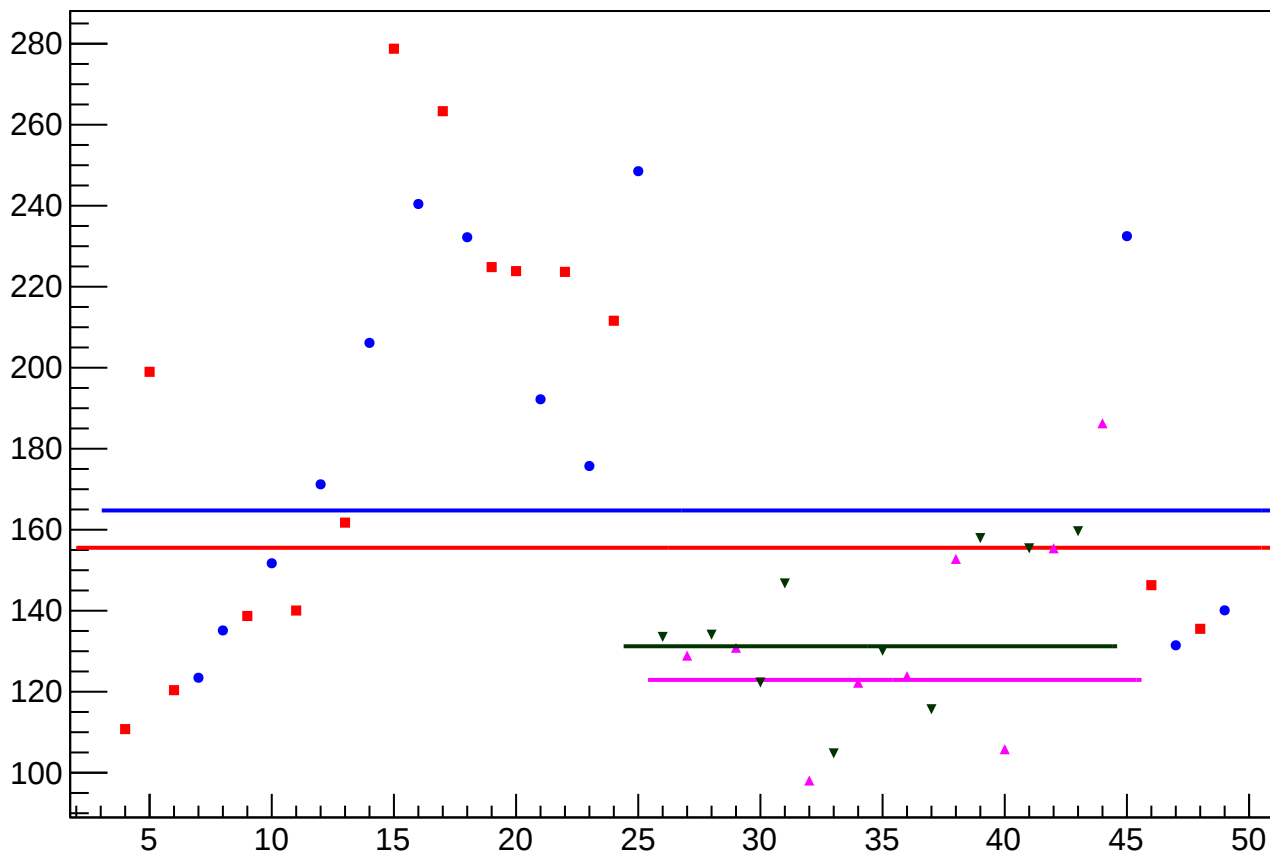
42.470 $\pm$ 41.097 χ^2 /NDF: 10.3/22

Right Out: 103.205 $\pm$ 60.221 χ^2 /NDF: 5.7/13

40.369 $\pm$ 39.805 χ^2 /NDF: 9.0/22

Left In: -8.384 $\pm$ 53.045 χ^2 /NDF: 1.4/8

asym_cav4cQ_rms vs slug



Right In: 164.754+/-0.042 χ^2/NDF : 781131.2/12

Left Out: 131.224+/-0.041 χ^2/NDF :191308.6/9

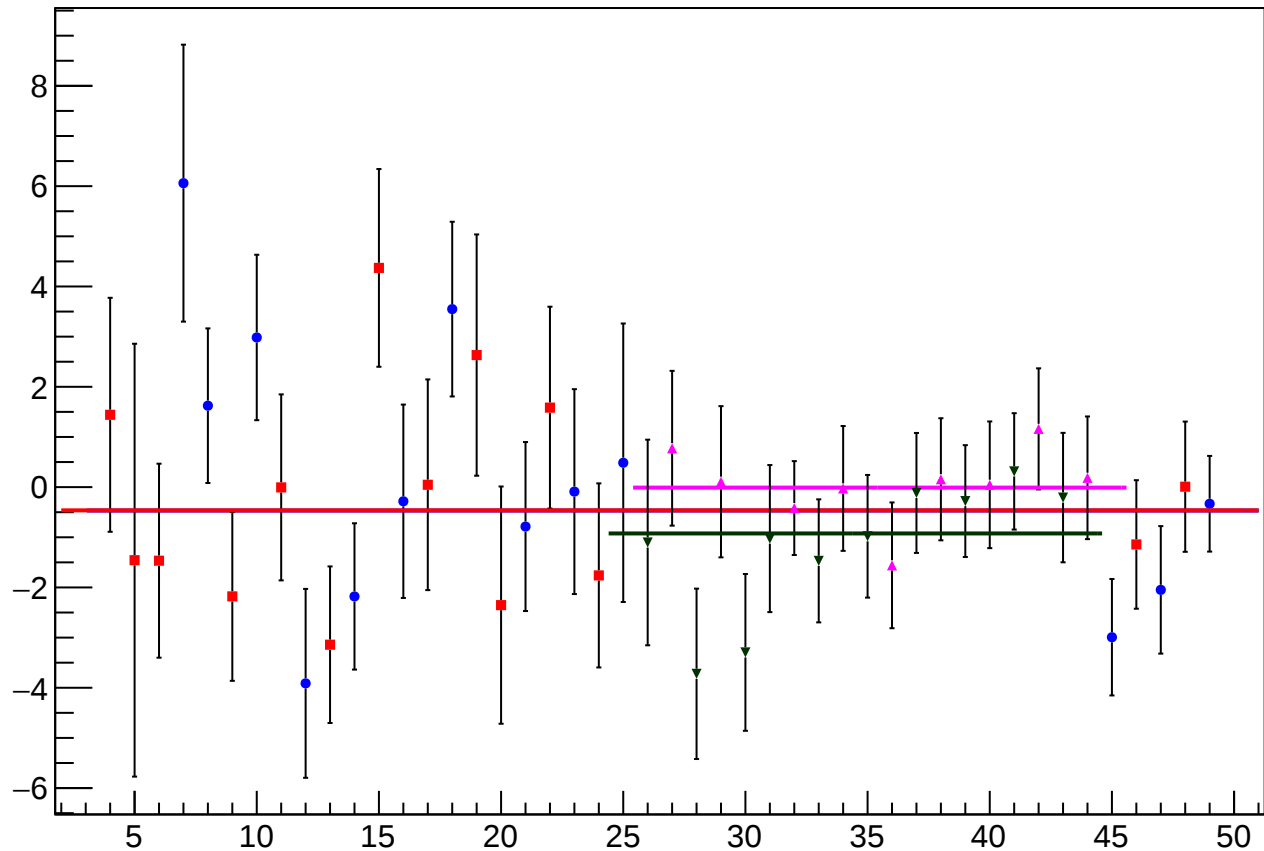
Right Out: 155.547+/-0.043 χ^2/NDF : 979190.3/13

Left In: 122.920+/-0.038 χ^2/NDF :350338.0/8

147.595+/-0.029 χ^2/NDF : 1305077.2/22

137.175+/-0.028 χ^2/NDF : 1660090.8/22

asym_cav4dQ_mean vs slug



Right In: -0.467 ± 0.428 χ^2/NDF : 28.4/12

Left Out: -0.924 ± 0.421 χ^2/NDF : 7.5/9

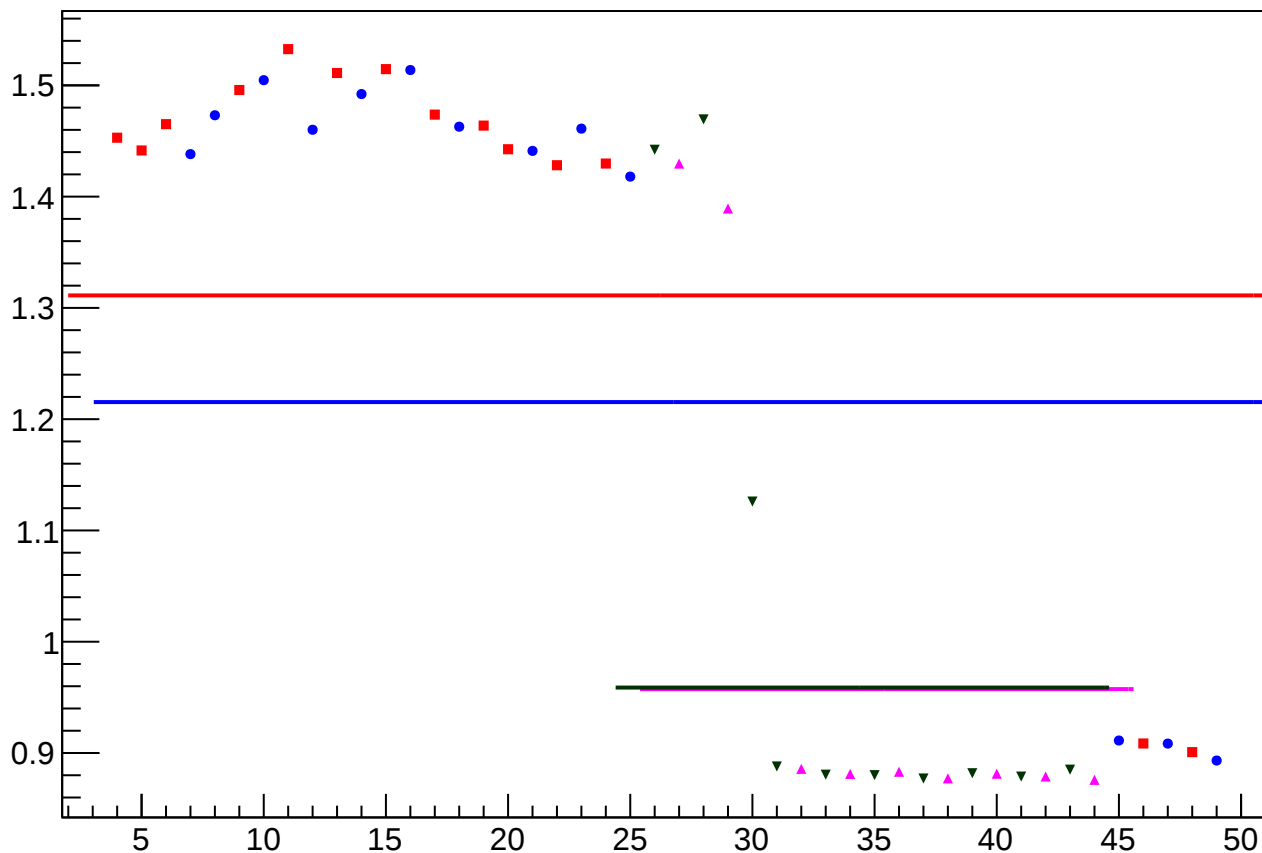
Right Out: -0.463 ± 0.491 χ^2/NDF : 15.3/13

Left In: -0.010 ± 0.410 χ^2/NDF : 3.0/8

-0.699 ± 0.300 χ^2/NDF : 36.4/22

-0.196 ± 0.315 χ^2/NDF : 18.8/22

asym_cav4dQ_rms vs slug



Right In: 1.215+/-0.000 χ^2/NDF : 882394.5/12

Left Out: 0.959+/-0.000 χ^2/NDF :370902.6/9

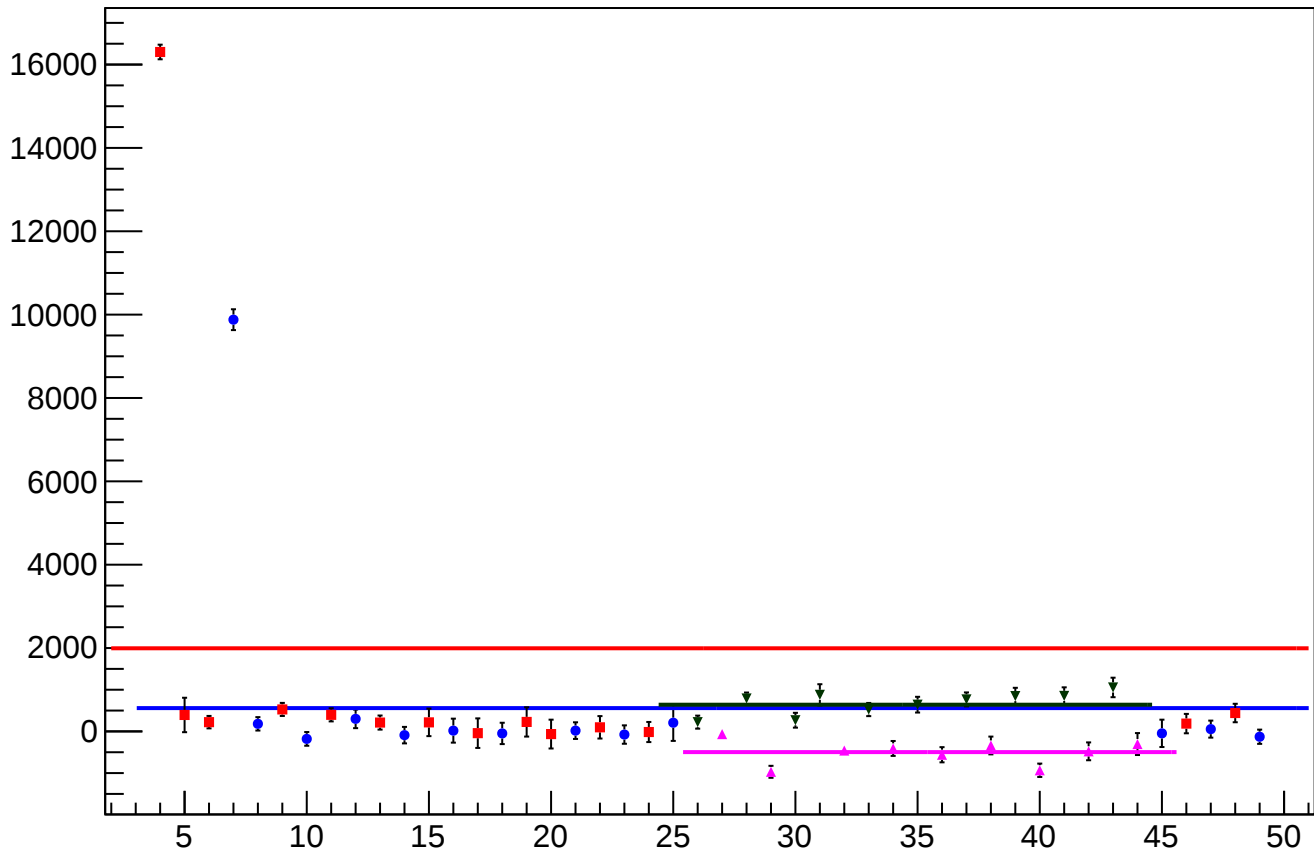
Right Out: 1.311+/-0.000 χ^2/NDF : 567354.8/13

Left In: 0.957+/-0.000 χ^2/NDF :411162.2/8

1.085+/-0.000 χ^2/NDF : 1618373.8/22

1.103+/-0.000 χ^2/NDF : 1589555.7/22

asym_bcm0l02_mean vs slug



Right In: 559.016+/-59.438 χ^2/NDF : 1479.2/12

Left Out: 640.376+/-56.927 χ^2/NDF : 19.9/9

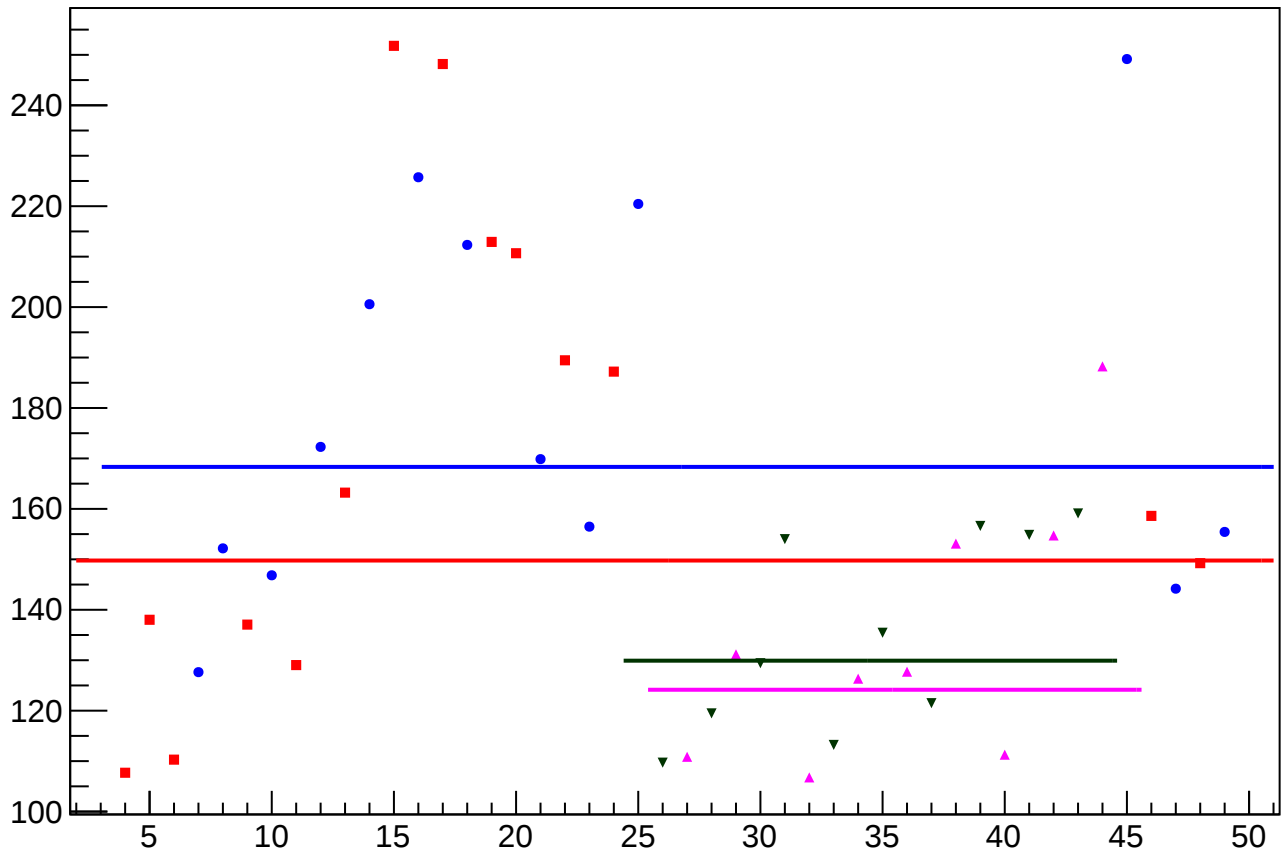
601.451+/-41.112 χ^2/NDF : 1500.1/22

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: 168.323+/-0.042 χ^2/NDF : 495039.0/12

Left Out: 129.911+/-0.040 χ^2/NDF :188039.4/9

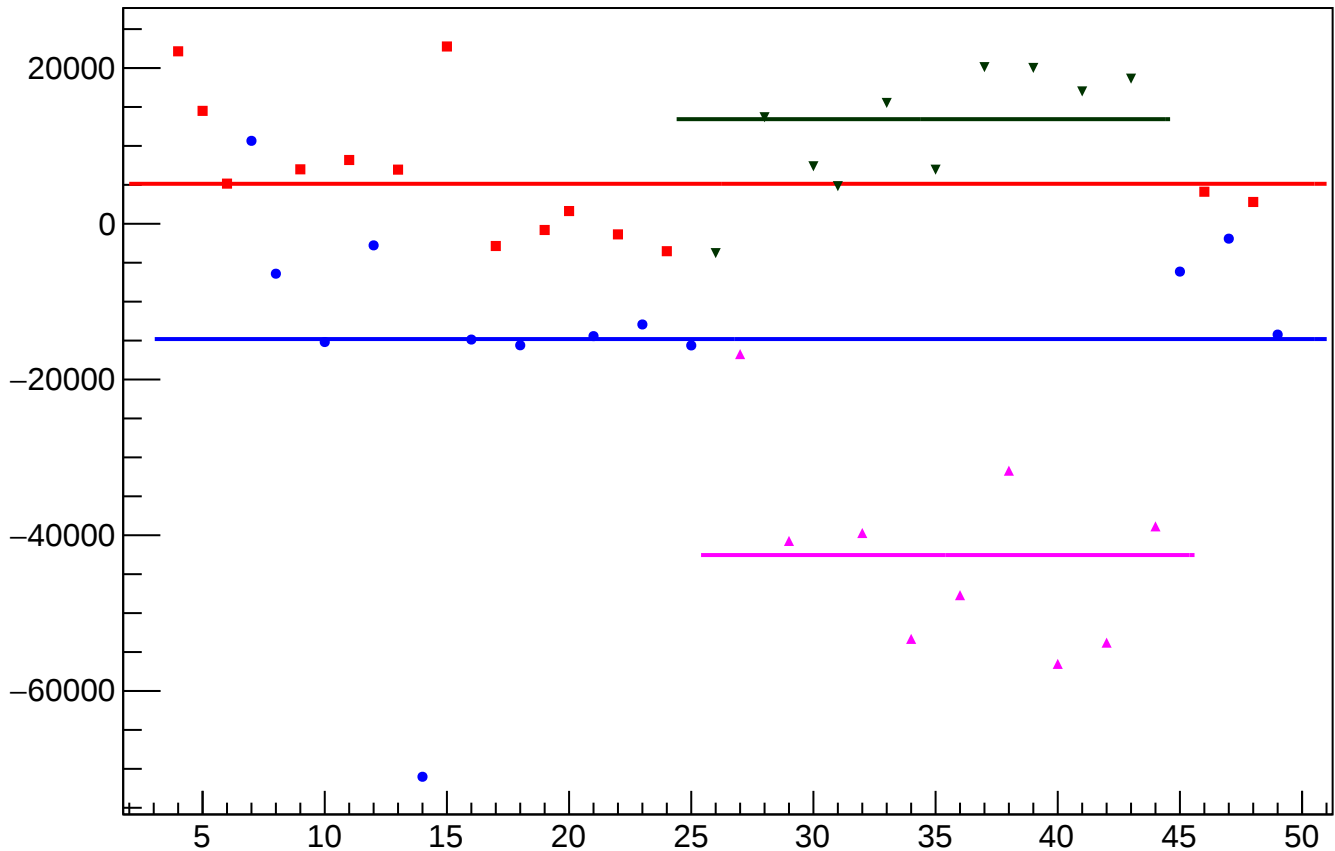
Right Out: 149.763+/-0.041 χ^2/NDF : 882915.7/13

Left In: 124.148+/-0.038 χ^2/NDF :285531.8/8

148.288+/-0.029 χ^2/NDF : 1118737.6/22

135.988+/-0.028 χ^2/NDF : 1381843.8/22

asym_bpm2i01WS_mean vs slug



Right In: -14805.262+/-38.869 χ^2/NDF : 219406.7/12

Left Out: 13435.021+/-42.371 χ^2/NDF : 28229.6/9

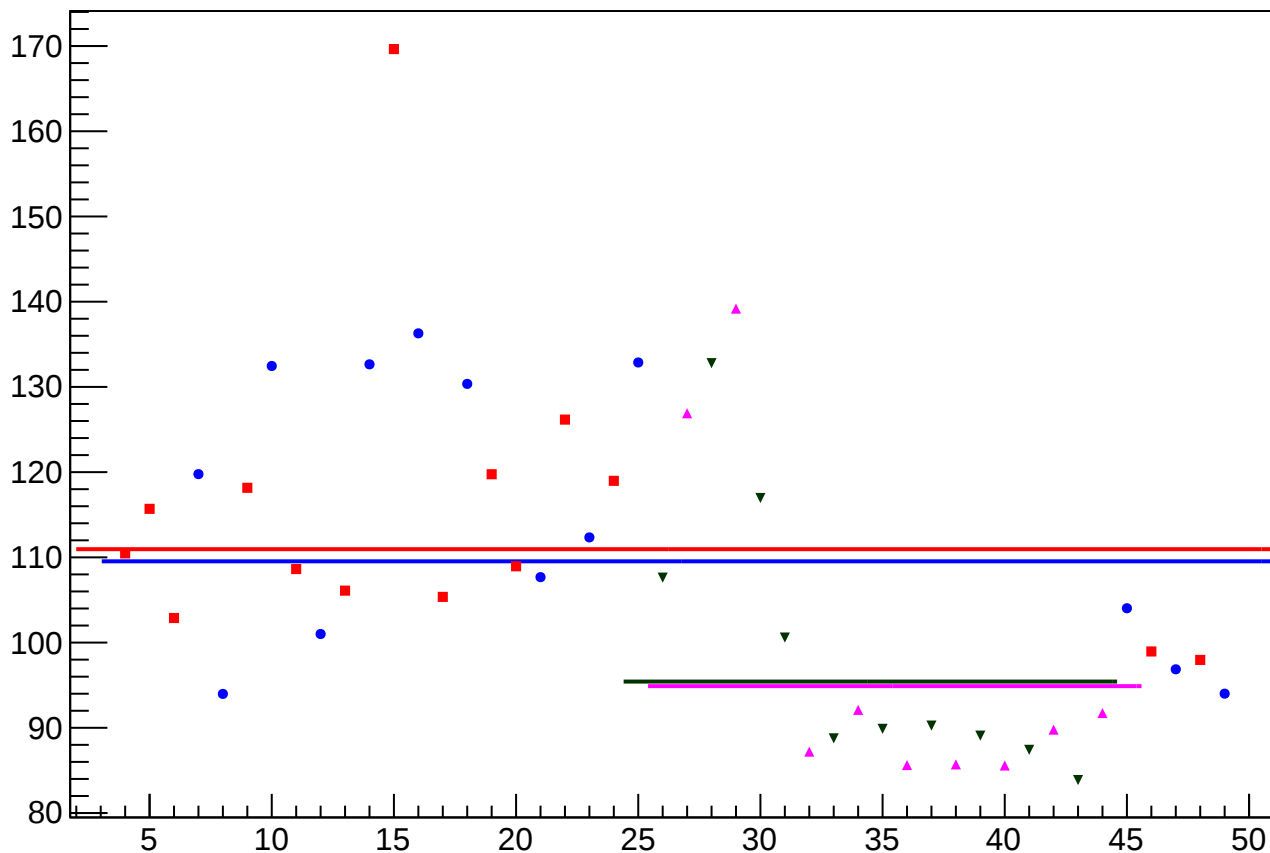
-1900.243+/-28.643 χ^2/NDF : 488857.5/22

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: 109.536+/-0.027 χ^2/NDF : 327056.9/12

Left Out: 95.426+/-0.030 χ^2/NDF :200660.2/9

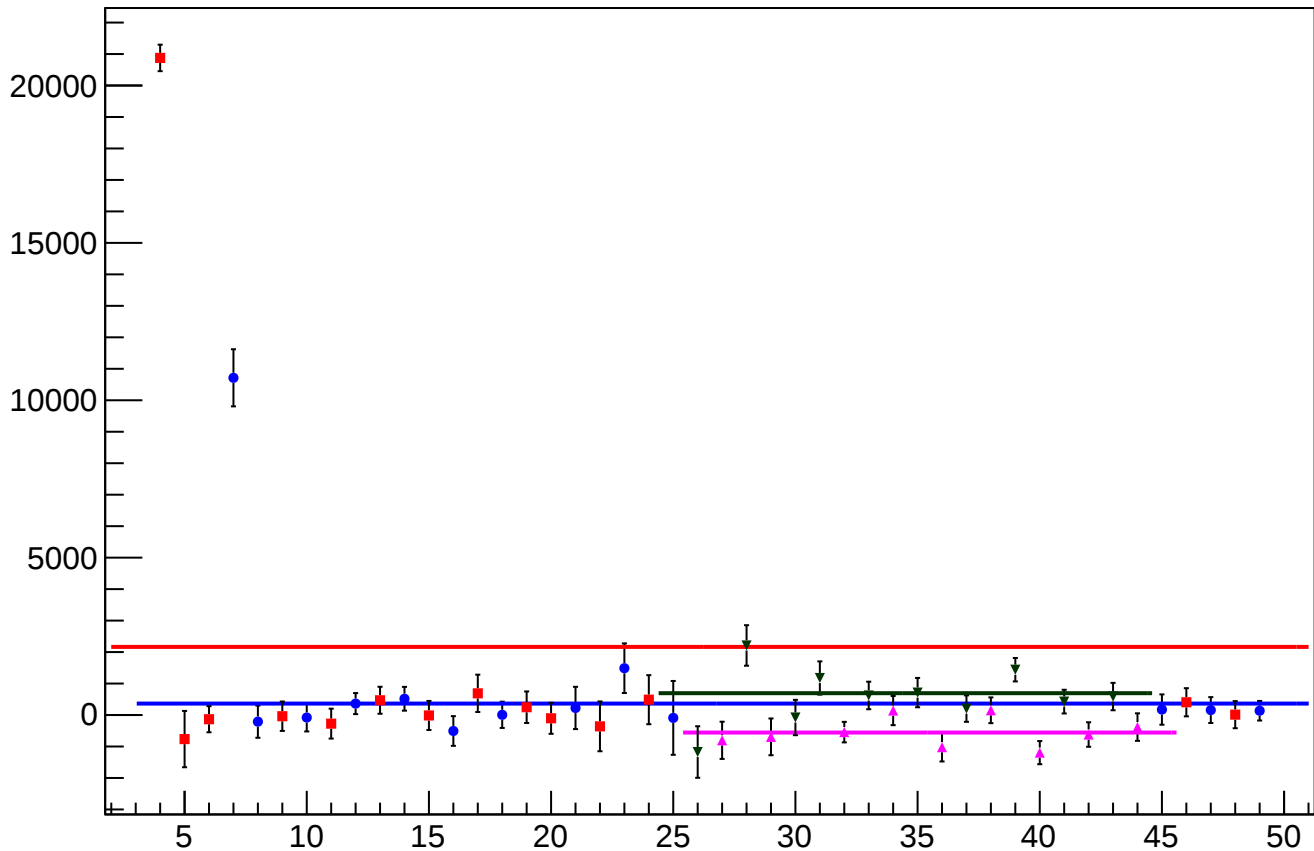
Right Out: 110.960+/-0.030 χ^2/NDF : 200203.7/13

Left In: 94.889+/-0.029 χ^2/NDF :314634.4/8

103.088+/-0.020 χ^2/NDF : 648162.1/22

102.795+/-0.021 χ^2/NDF : 662873.9/22

asym_bpm0i07WS_mean vs slug



Right In: 363.613 ± 127.562 $\chi^2/\text{NDF}: 139.8/12$

Left Out: 693.815 ± 147.932 $\chi^2/\text{NDF}: 19.5/9$

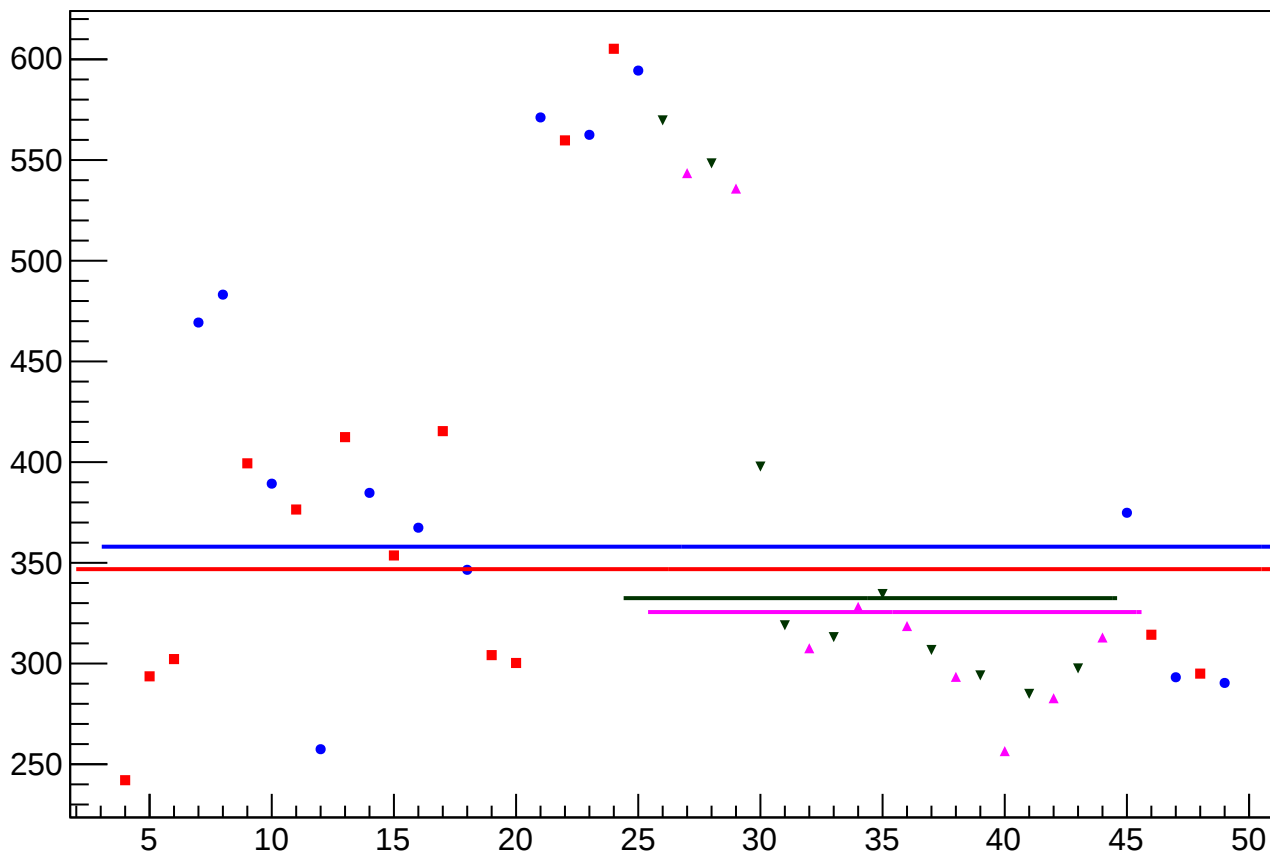
504.432 ± 96.606 $\chi^2/\text{NDF}: 162.2/22$

Right Out: 2164.250 ± 133.099 $\chi^2/\text{NDF}: 2203.7/13$

Left In: -556.564 ± 141.592 $\chi^2/\text{NDF}: 9.7/8$

887.881 ± 96.979 $\chi^2/\text{NDF}: 2409.5/22$

asym_bpm0i07WS_rms vs slug



Right In: 358.018+/-0.090 χ^2/NDF : 916892.3/12

Left Out: 332.466+/-0.105 χ^2/NDF : 498518.7/9

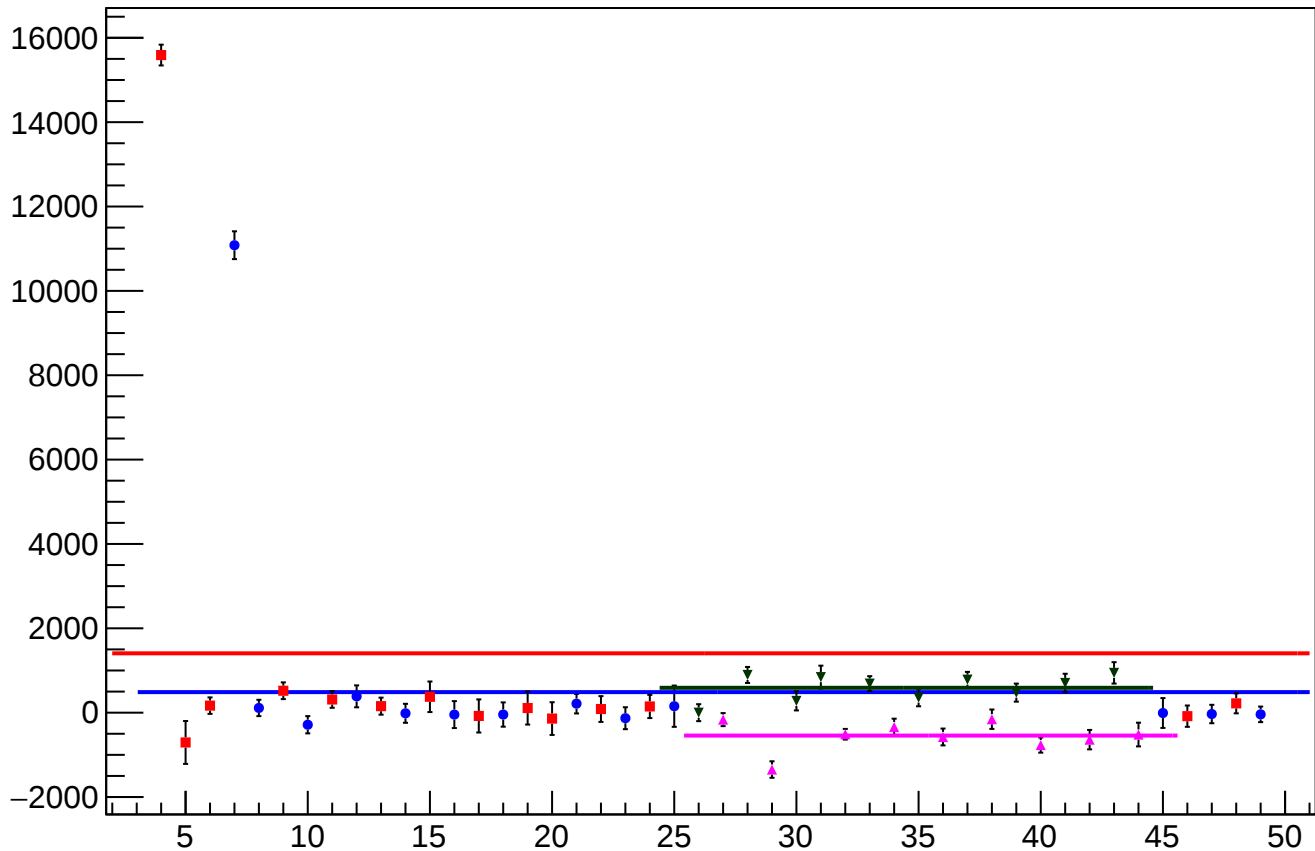
Right Out: 346.862+/-0.094 χ^2/NDF : 698139.6/13

Left In: 325.557+/-0.100 χ^2/NDF : 646591.2/8

347.121+/-0.068 χ^2/NDF : 1449634.3/22

336.867+/-0.069 χ^2/NDF : 1368769.4/22

asym_bpm0l01WS_mean vs slug



Right In: 487.269 ± 68.669 χ^2/NDF : 1085.7/12

Left Out: 589.690 ± 66.057 χ^2/NDF : 19.1/9

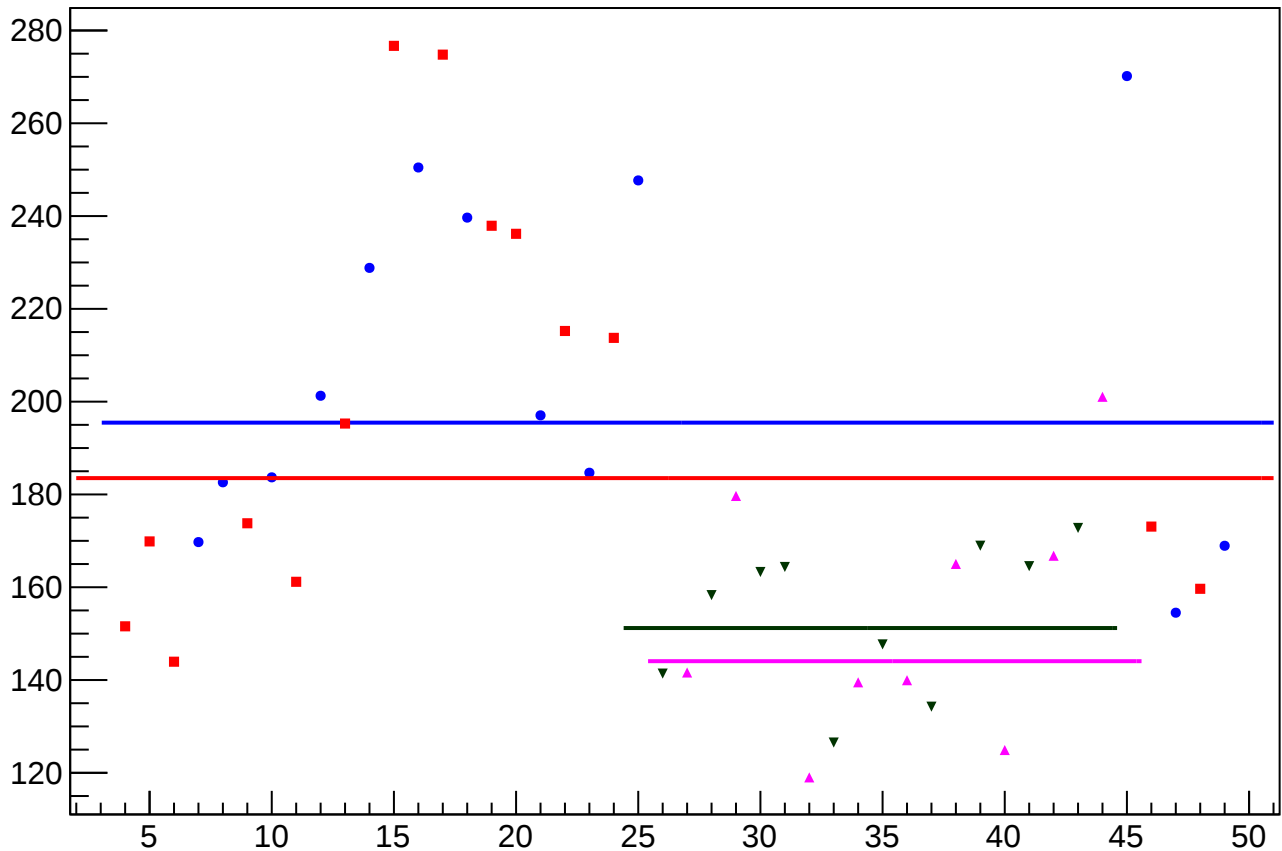
540.464 ± 47.606 χ^2/NDF : 1106.0/22

Right Out: 1407.023 ± 69.506 χ^2/NDF : 3609.8/13

Left In: -542.908 ± 61.747 χ^2/NDF : 28.6/8

317.193 ± 46.162 χ^2/NDF : 4078.3/22

asym_bpm0l01WS_rms vs slug



Right In: 195.475+/-0.049 χ^2/NDF : 406182.9/12

Left Out: 151.207+/-0.047 χ^2/NDF :110209.2/9

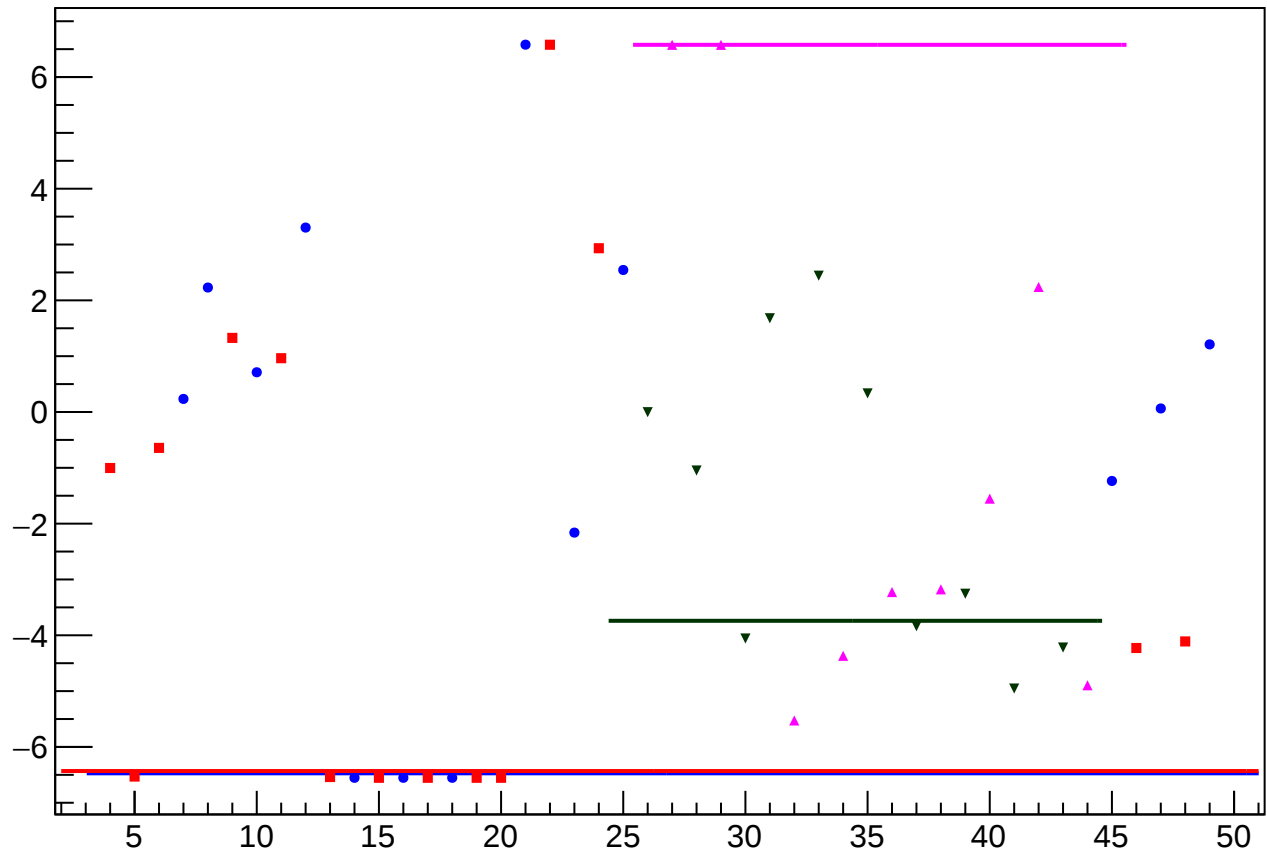
172.483+/-0.034 χ^2/NDF : 948098.2/22

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: 127847939443717.9/12

-6.473+/-0.000 χ^2 /NDF: 127847963826600.0/2

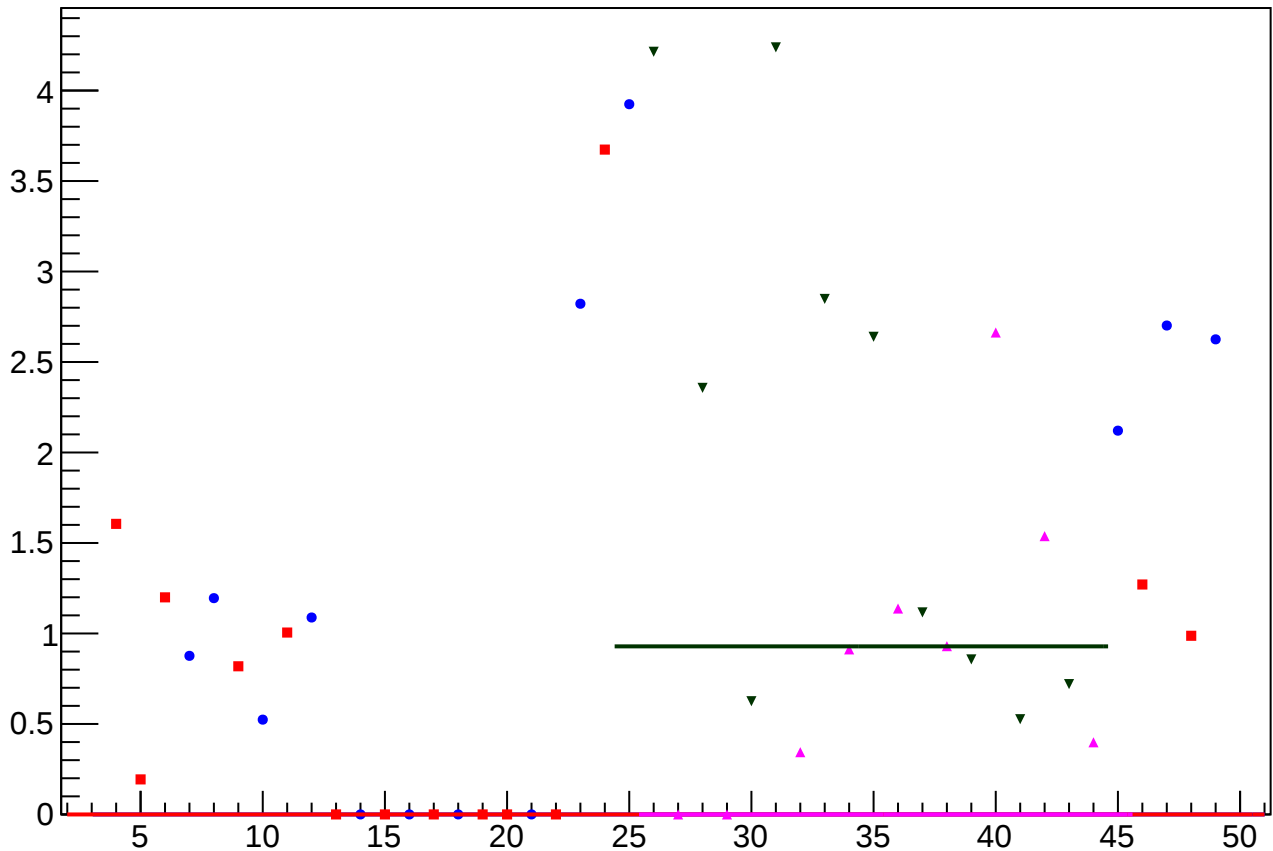
Left Out: -3.741+/-0.001 χ^2 /NDF: 5731885.1/9

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 : 7597981.3/12

Left Out: 0.929+/-0.000 χ^2/NDF : 2482114.1/9

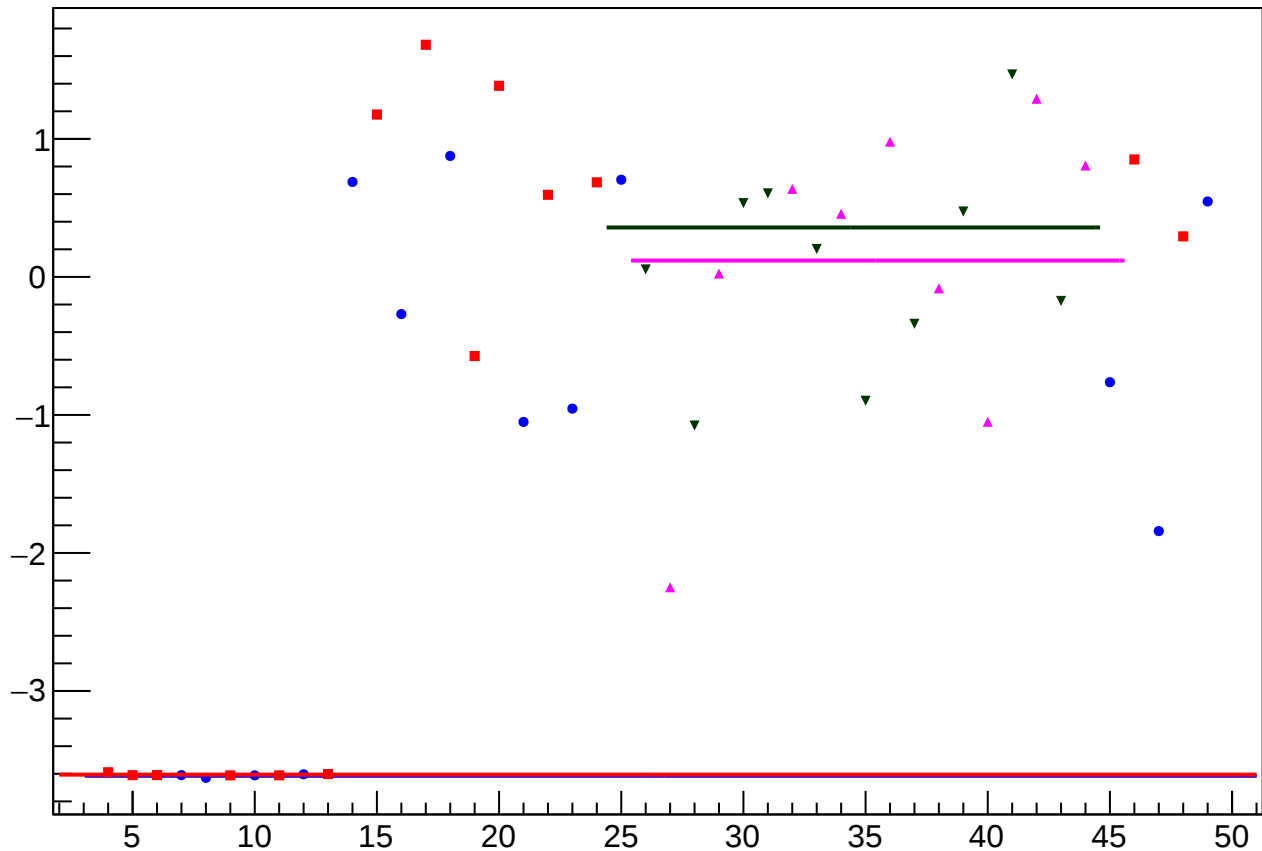
Right Out: 0.000+/-0.000 χ^2/NDF : 5256239.6/13

Left In: 0.000+/-0.000 χ^2/NDF : 4631448.1/8

0.000+/-0.000 χ^2/NDF : 14389575.0/22

0.000+/-0.000 χ^2/NDF : 9887782.4/22

yield_cav4bY_mean vs slug



Right In: -3.614+/-0.000 χ^2/NDF : 49077093481.3/12

-3.614+/-0.000 χ^2/NDF : 49231334772.6/22

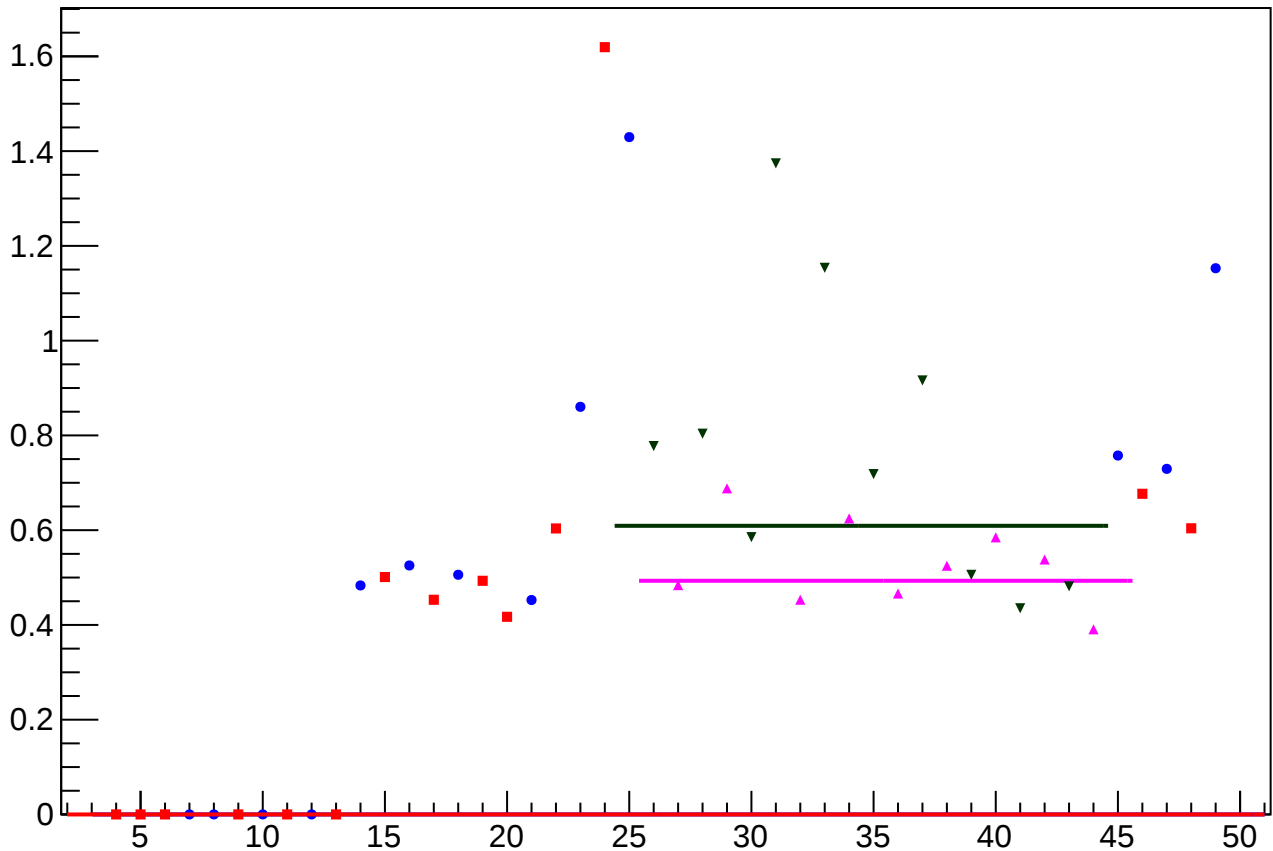
Left Out: 0.358+/-0.000 χ^2/NDF : 6673360.6/9

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 : 8455548.5/12

Left Out: 0.609+/-0.000 χ^2/NDF : 799340.0/9

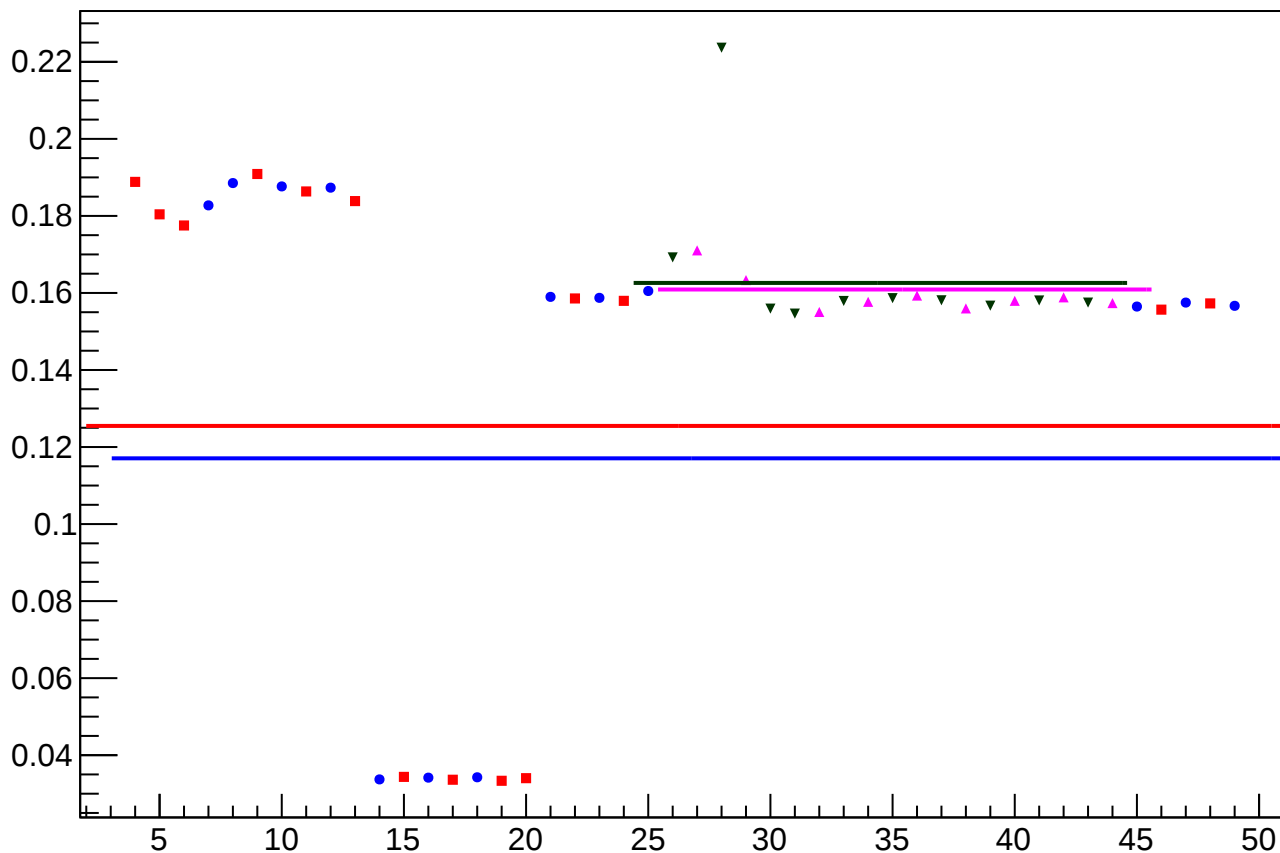
0.000+/-0.000 χ^2/NDF : 16192920.4/22

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: 0.117+/-0.000 χ^2/NDF : 4896903604.5/12

Left Out: 0.163+/-0.000 χ^2/NDF : 101593637.2/9

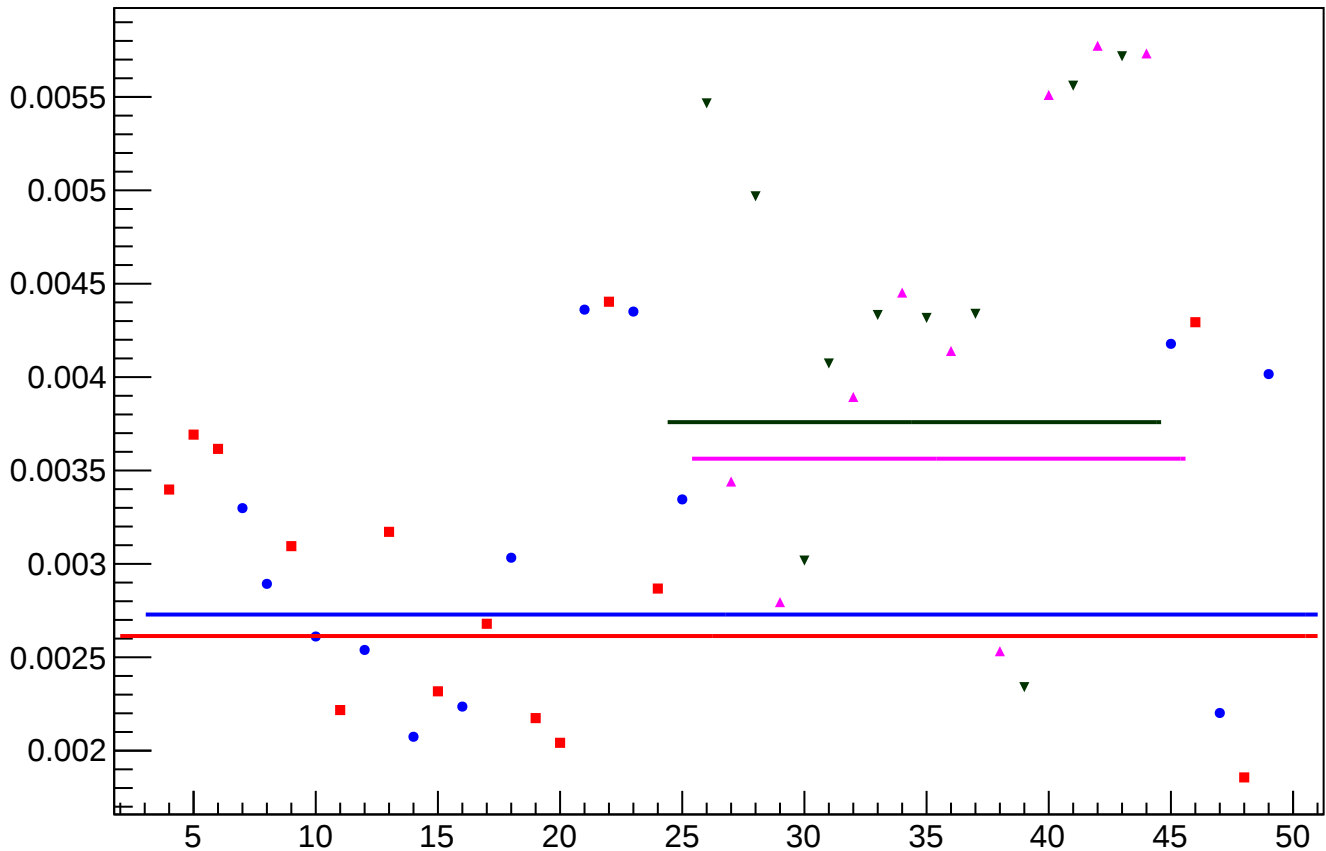
Right Out: 0.125+/-0.000 χ^2/NDF : 4378022351.4/13

Left In: 0.161+/-0.000 χ^2/NDF : 11671584.7/8

0.128+/-0.000 χ^2/NDF : 5506448189.9/22

0.136+/-0.000 χ^2/NDF : 4734308276.0/22

yield_cav4cX_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 995163.3/12

Left Out: 0.004+/-0.000 χ^2/NDF : 884952.0/9

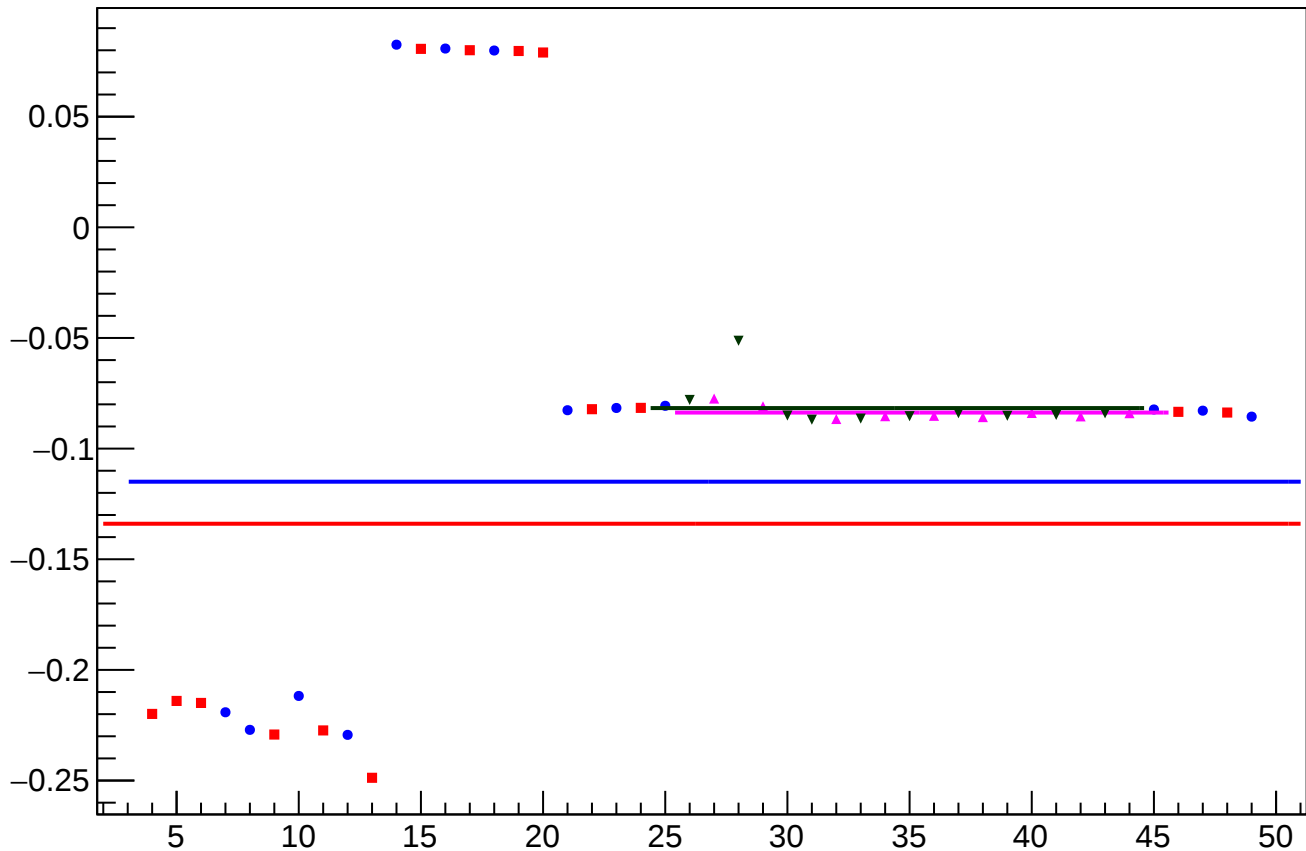
Right Out: 0.003+/-0.000 χ^2/NDF : 807617.2/13

Left In: 0.004+/-0.000 χ^2/NDF : 752035.9/8

0.003+/-0.000 χ^2/NDF : 2399899.6/22

0.003+/-0.000 χ^2/NDF : 2055031.4/22

yield_cav4cY_mean vs slug



Right In: -0.115+/-0.000 χ^2/NDF : 9656295087.9/12

Left Out: -0.082+/-0.000 χ^2/NDF :35856752.9/9

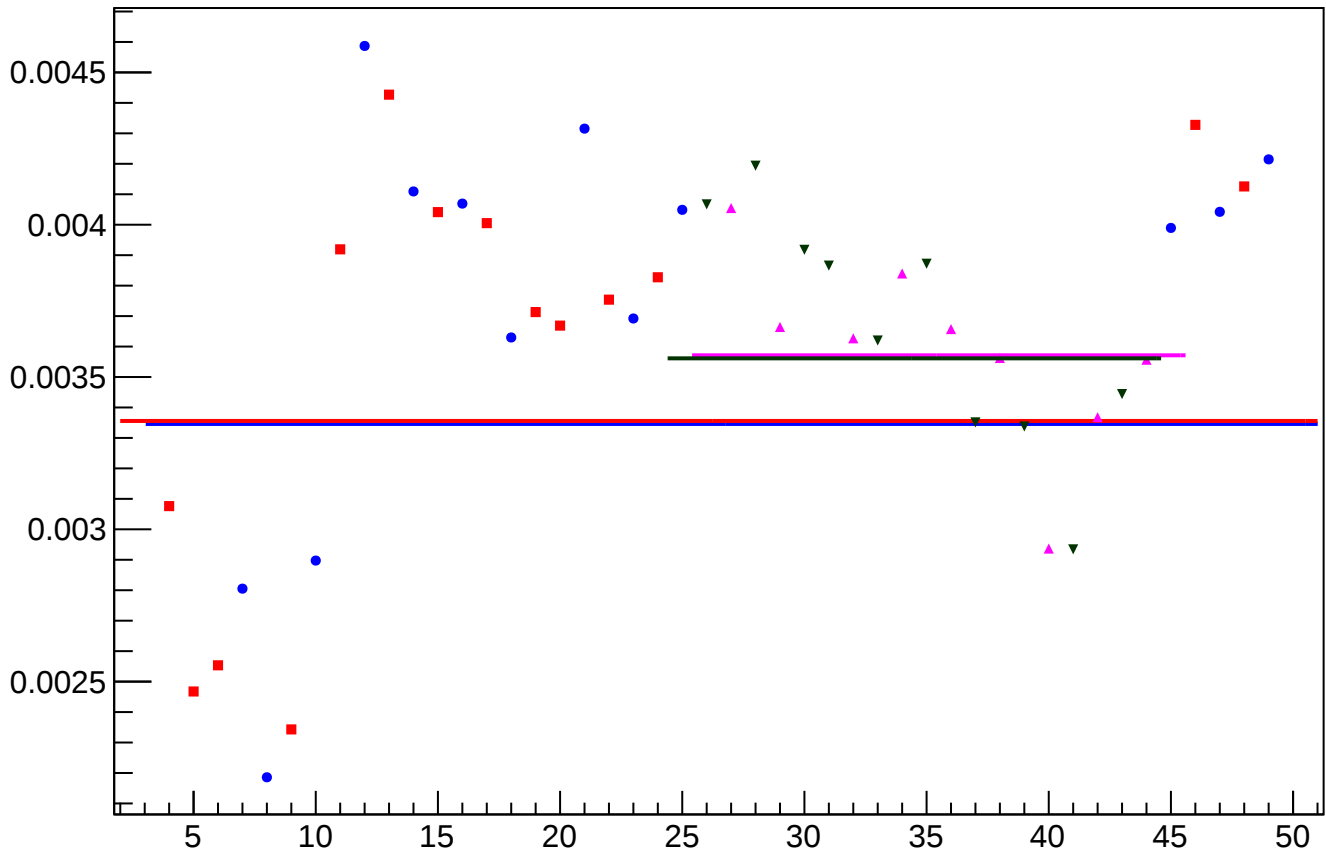
Right Out: -0.134+/-0.000 χ^2/NDF : 8761689341.5/13

Left In: -0.084+/-0.000 χ^2/NDF :3521413.4/8

-0.103+/-0.000 χ^2/NDF : 9969828581.7/22

-0.113+/-0.000 χ^2/NDF : 9387886551.9/22

yield_cav4cY_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 973986.2/12

Left Out: 0.004+/-0.000 χ^2/NDF :124023.6/9

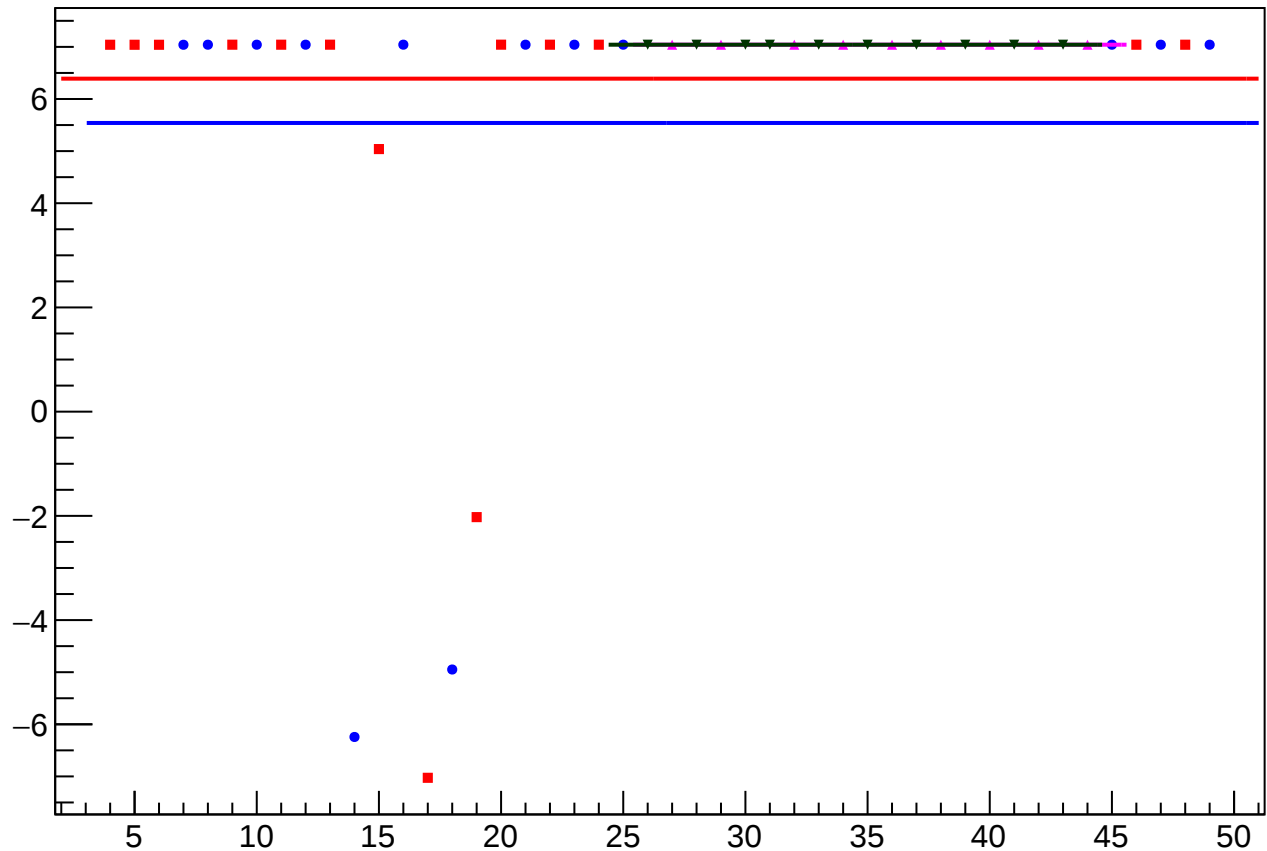
Right Out: 0.003+/-0.000 χ^2/NDF : 701461.8/13

Left In: 0.004+/-0.000 χ^2/NDF :79207.1/8

0.003+/-0.000 χ^2/NDF : 1121282.6/22

0.003+/-0.000 χ^2/NDF : 803600.5/22

yield_cav4dX_mean vs slug



Right In: 5.540 $\pm$ 0.000 χ^2 /NDF: 4453239027335047.0/12

Left Out: 7.042 $\pm$ 0.000 χ^2 /NDF: 765209.6/9

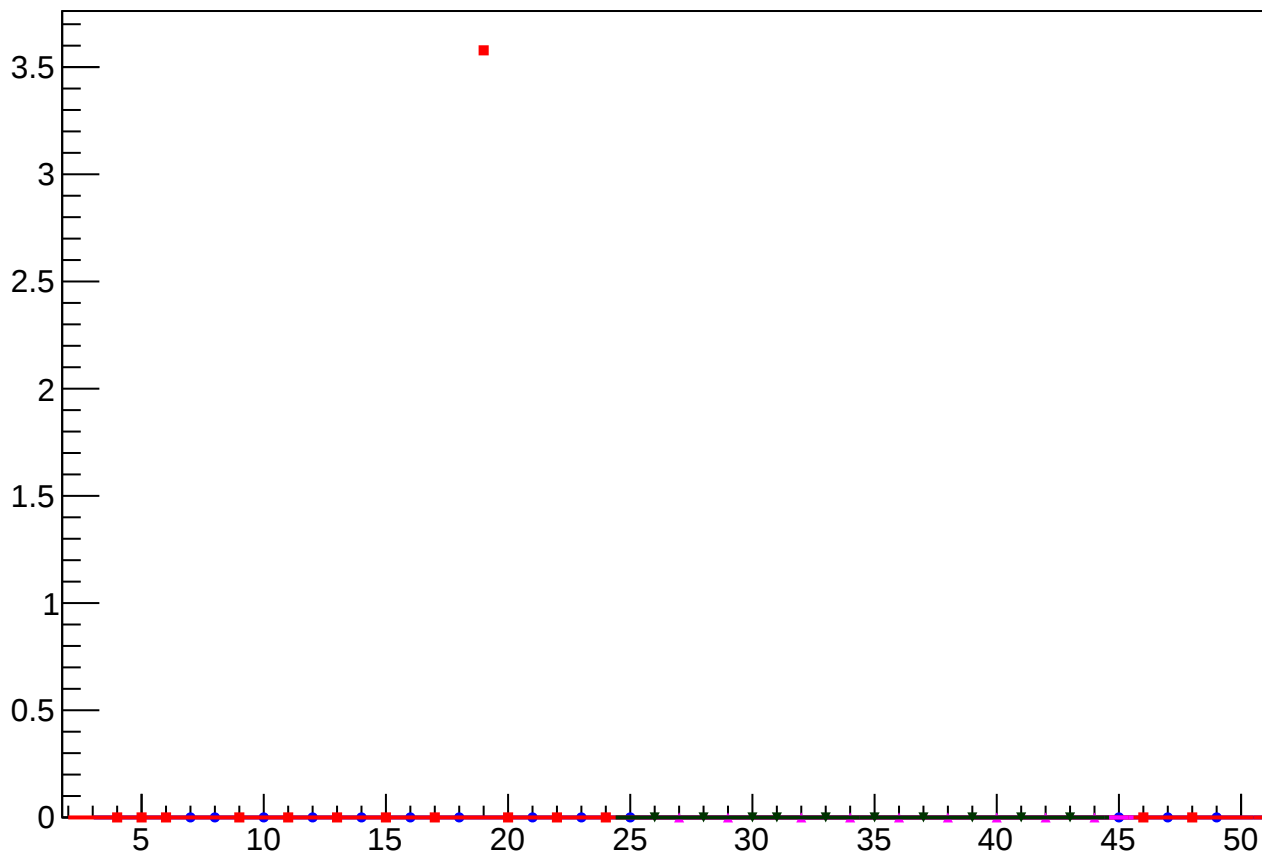
Right Out: 6.390 $\pm$ 0.000 χ^2 /NDF: 1829872166783279.5/13

Left In: 7.042 $\pm$ 0.000 χ^2 /NDF: 540646.4/8

6.202 $\pm$ 0.000 χ^2 /NDF: 4708510479687306.0/2

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: 3329.7/12

Left Out: 0.000+/-0.000 χ^2 /NDF:1535.6/9

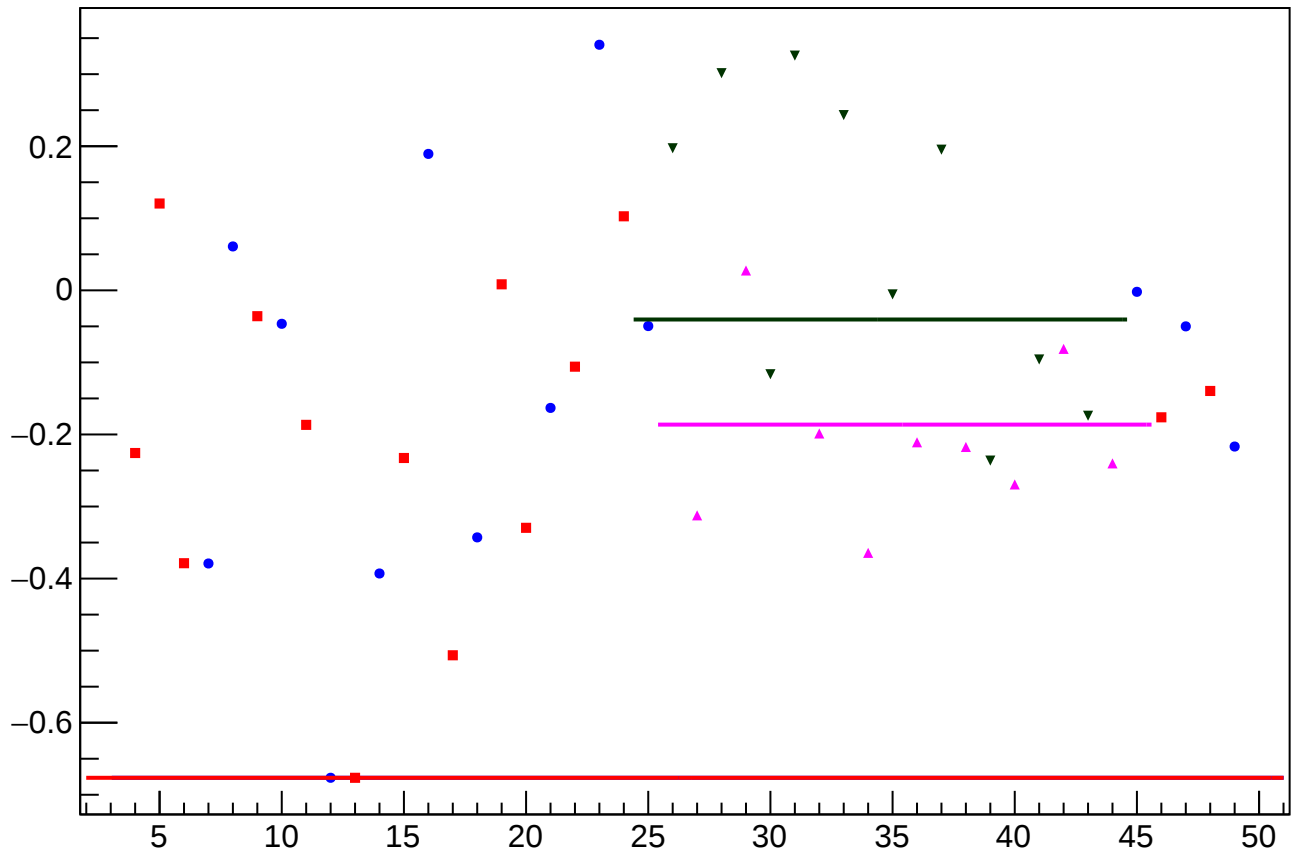
Right Out: 0.000+/-0.000 χ^2 /NDF: 696997.9/13

Left In: 0.000+/-0.000 χ^2 /NDF:1769.6/8

0.000+/-0.000 χ^2 /NDF: 6090.4/22

0.000+/-0.000 χ^2 /NDF: 701897.5/22

yield_cav4dY_mean vs slug



Right In: -0.676 ± 0.000 χ^2/NDF : 256066866.7/12

Left Out: -0.040 ± 0.000 χ^2/NDF : 16704113.3/9

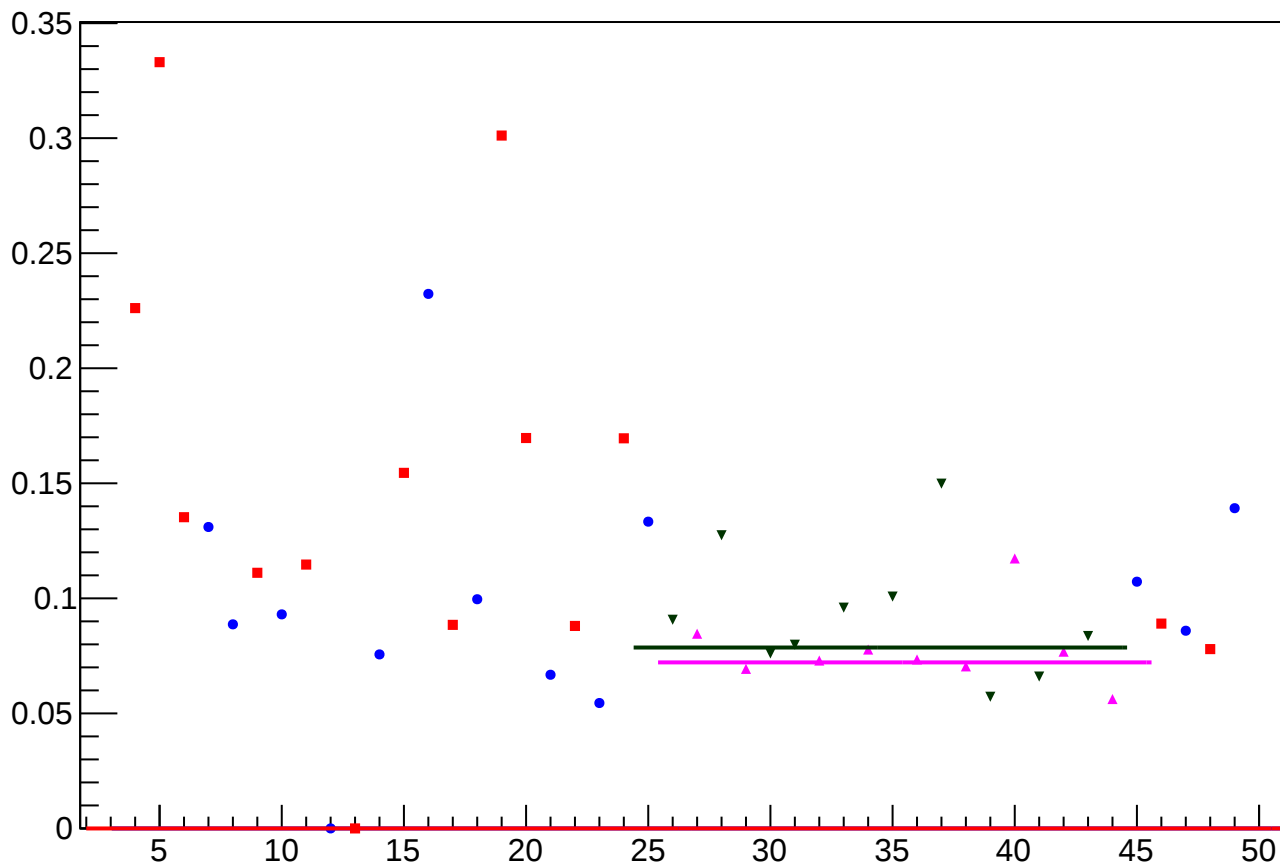
Right Out: -0.676 ± 0.000 χ^2/NDF : 89554432.4/13

Left In: -0.186 ± 0.000 χ^2/NDF : 8365095.9/8

-0.676 ± 0.000 χ^2/NDF : 460806338.8/22

-0.676 ± 0.000 χ^2/NDF : 255401900.5/22

yield_cav4dY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 11061416.4/12

Left Out: 0.079+/-0.000 χ^2/NDF : 452862.6/9

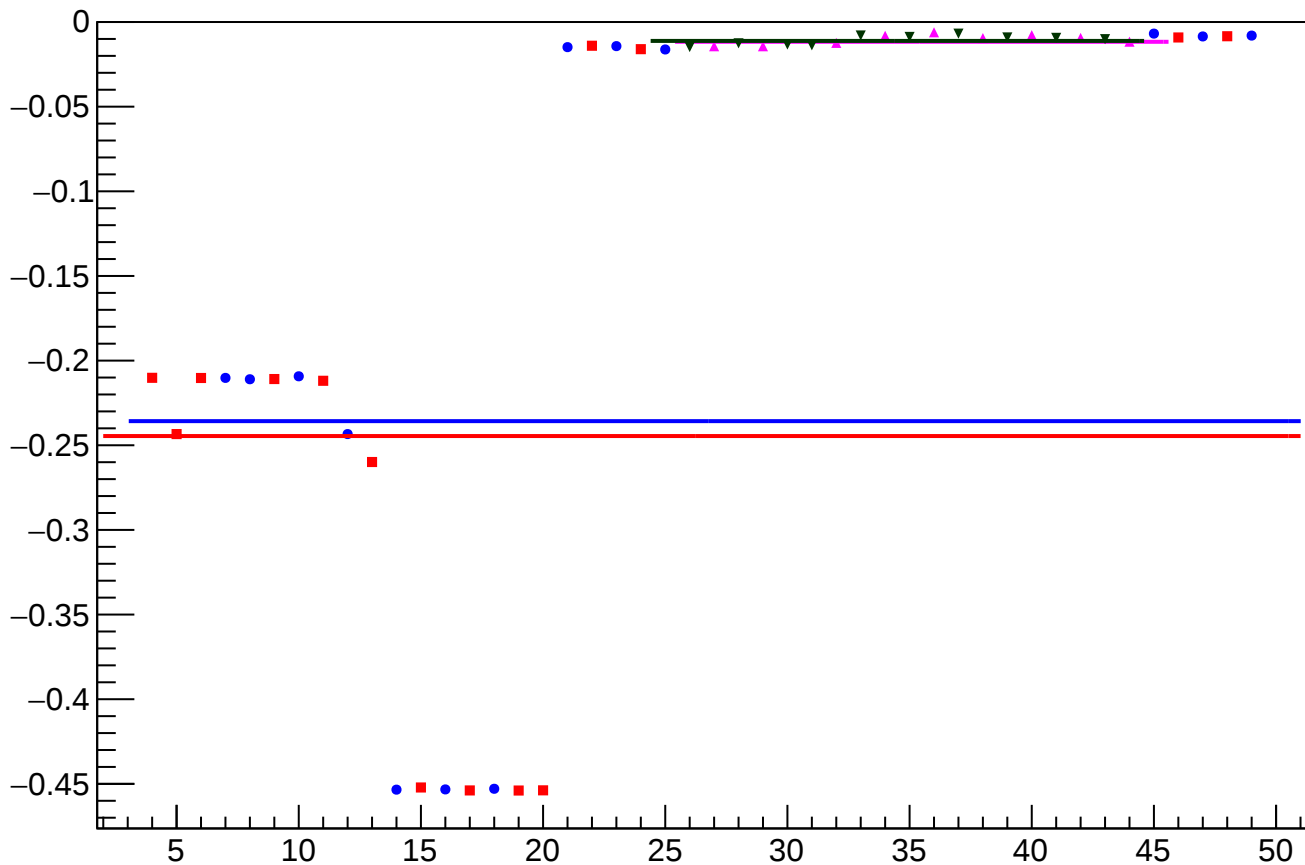
Right Out: 0.000+/-0.000 χ^2/NDF : 9259740.7/13

Left In: 0.072+/-0.000 χ^2/NDF : 192884.5/8

0.000+/-0.000 χ^2/NDF : 17261025.2/22

0.000+/-0.000 χ^2/NDF : 16277811.6/22

yield_bpm4aX_mean vs slug



Right In: -0.236+/-0.000 χ^2/NDF : 4601003695.3/12

Left Out: -0.011+/-0.000 χ^2/NDF : 401443.1/9

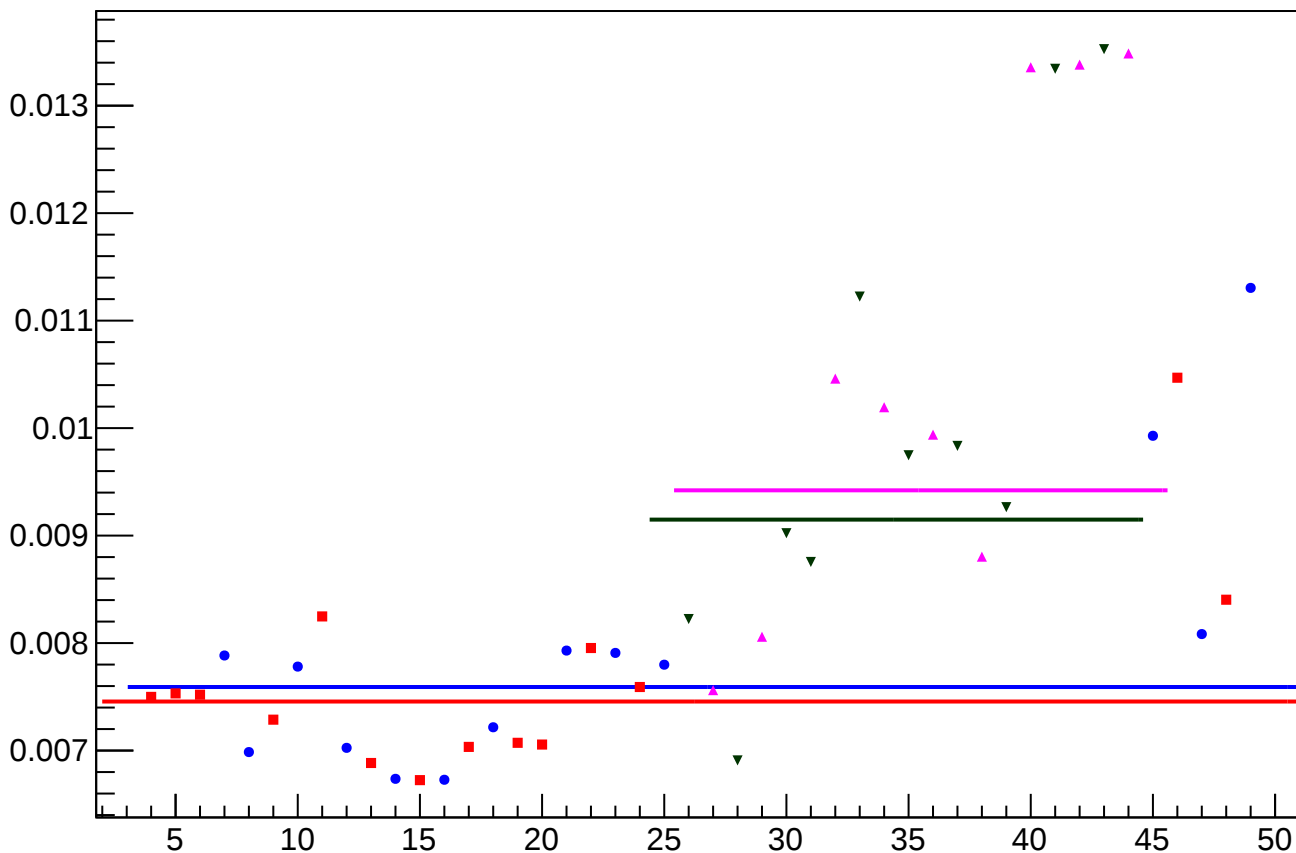
Right Out: -0.245+/-0.000 χ^2/NDF : 3270431559.3/13

Left In: -0.012+/-0.000 χ^2/NDF : 495469.4/8

-0.169+/-0.000 χ^2/NDF : 6730689439.1/22

-0.171+/-0.000 χ^2/NDF : 5495883160.6/22

yield_bpm4aX_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 340856.2/12

Left Out: 0.009+/-0.000 χ^2/NDF :410320.9/9

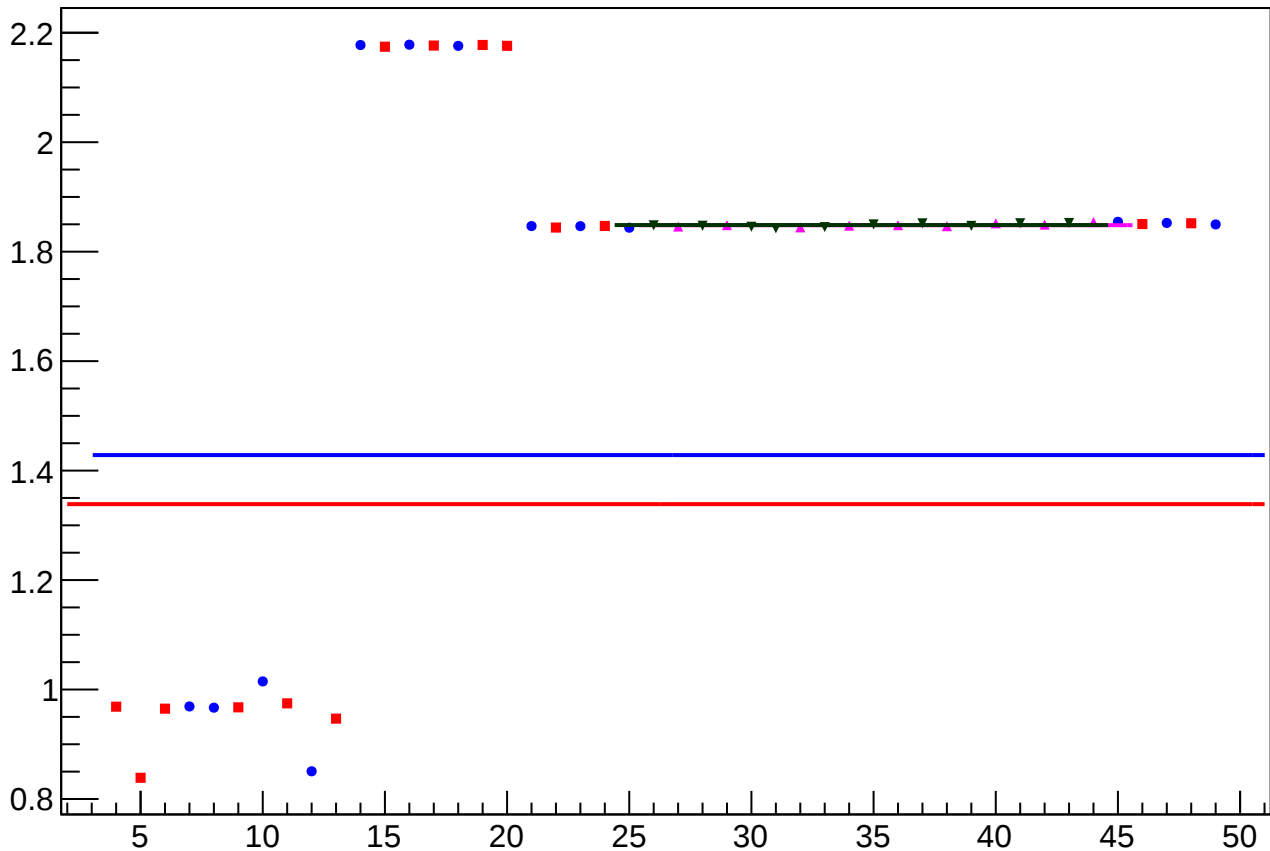
Right Out: 0.007+/-0.000 χ^2/NDF : 140308.8/13

Left In: 0.009+/-0.000 χ^2/NDF :449025.1/8

0.008+/-0.000 χ^2/NDF : 955971.3/22

0.008+/-0.000 χ^2/NDF : 906165.3/22

yield_bpm4aY_mean vs slug



Right In: 1.428+/-0.000 χ^2/NDF : 13958888768.6/12

Left Out: 1.849+/-0.000 χ^2/NDF :239961.3/9

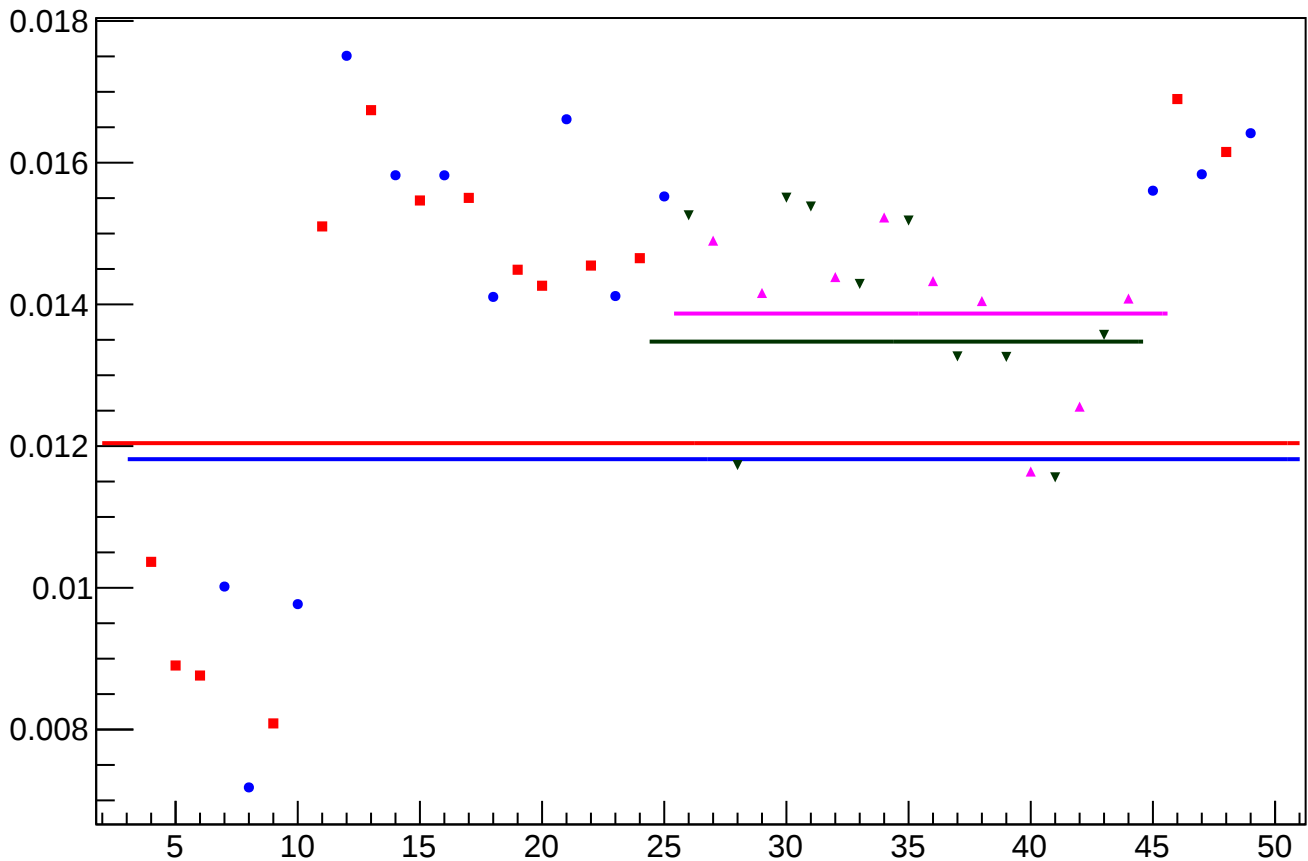
1.574+/-0.000 χ^2/NDF : 17155624896.2/22

Right Out: 1.339+/-0.000 χ^2/NDF : 11908853822.3/13

1.535+/-0.000 χ^2/NDF : 16432342244.9/22

Left In: 1.848+/-0.000 χ^2/NDF :226687.9/8

yield_bpm4aY_rms vs slug



Right In: 0.012+/-0.000 χ^2/NDF : 1613830.8/12

Left Out: 0.013+/-0.000 χ^2/NDF :115364.2/9

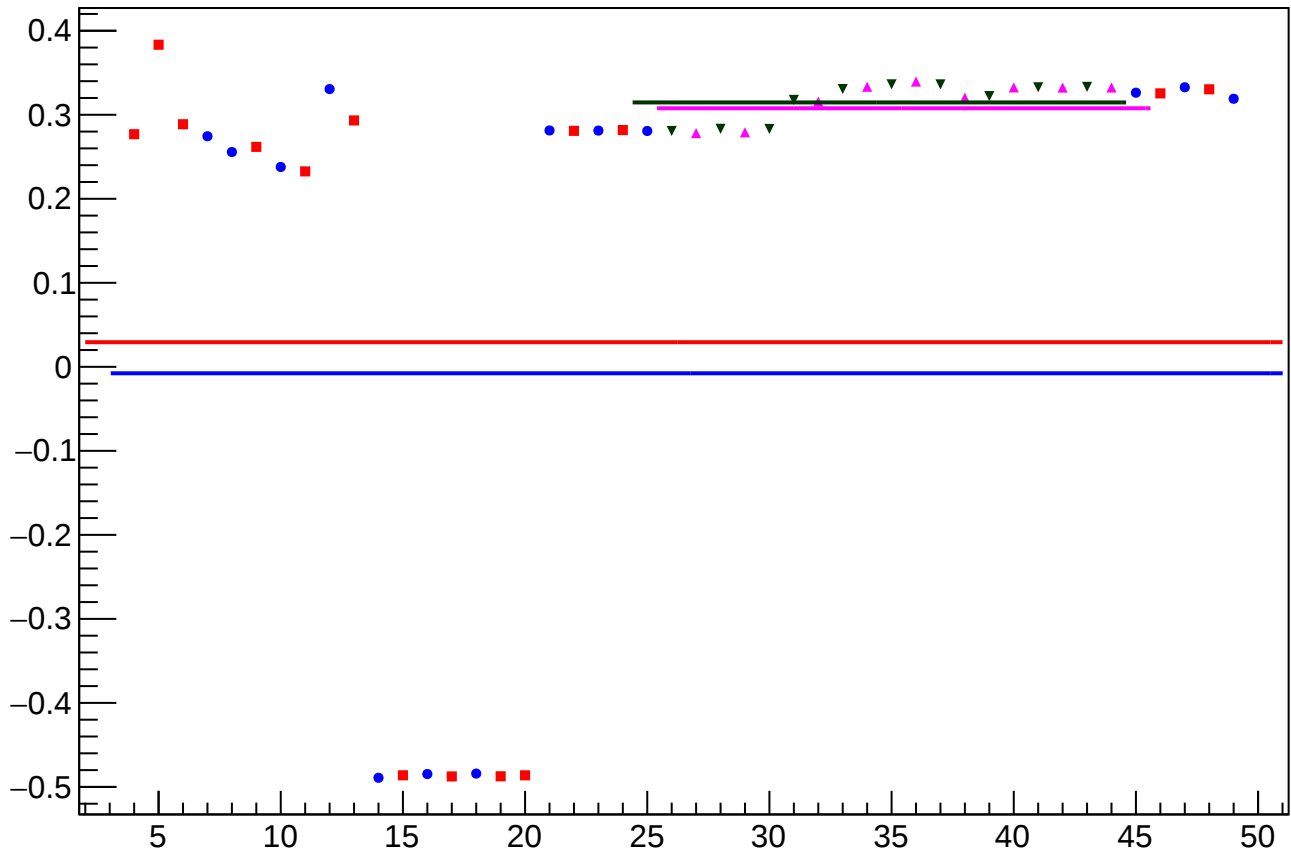
Right Out: 0.012+/-0.000 χ^2/NDF : 1076985.5/13

Left In: 0.014+/-0.000 χ^2/NDF :66613.9/8

0.012+/-0.000 χ^2/NDF : 1828864.3/22

0.013+/-0.000 χ^2/NDF : 1260098.3/22

yield_bpm4eX_mean vs slug



Right In: -0.008+/-0.000 χ^2/NDF : 3472556824.4/12

Left Out: 0.315+/-0.000 χ^2/NDF : 5189197.9/9

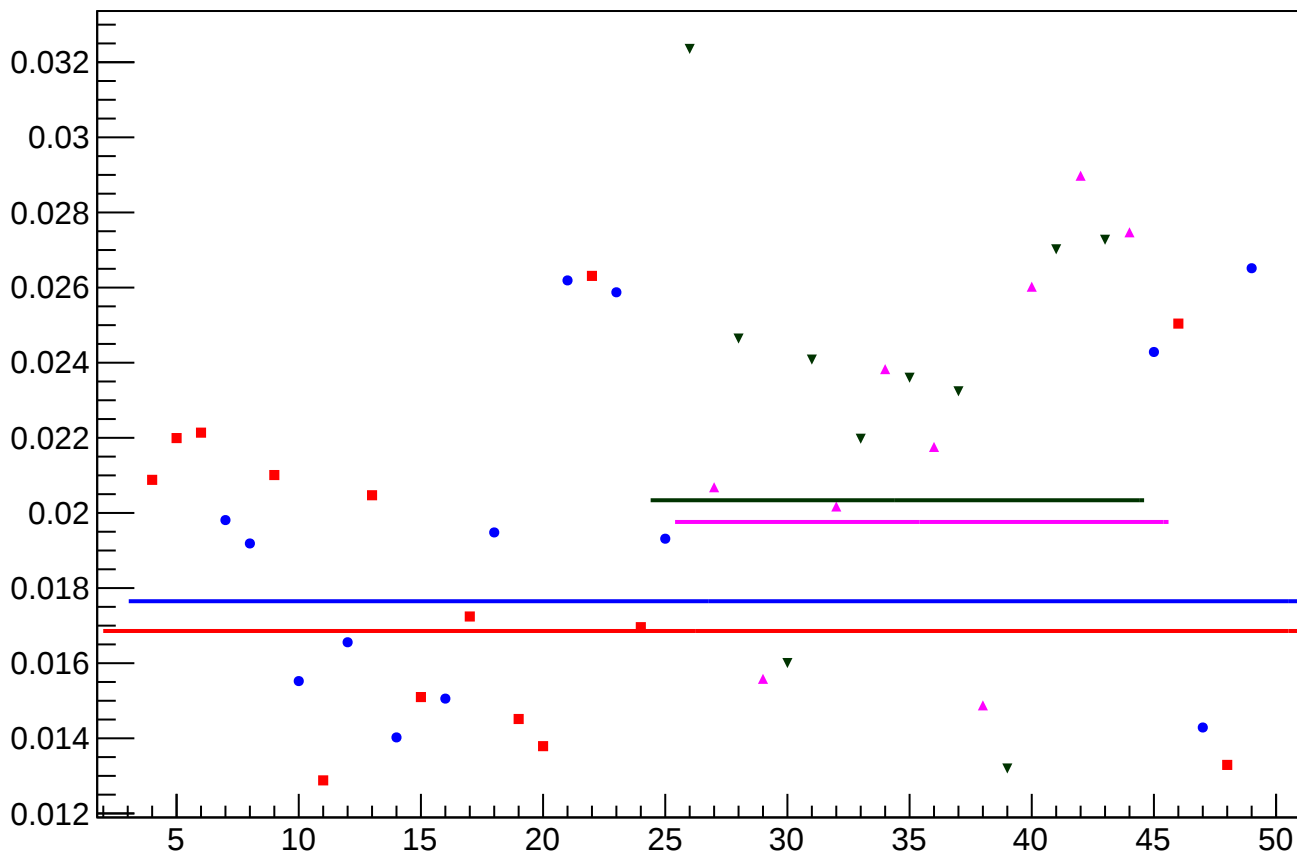
0.094+/-0.000 χ^2/NDF : 4280039489.1/22

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: 0.018+/-0.000 χ^2/NDF : 799603.0/12

Left Out: 0.020+/-0.000 χ^2/NDF : 733336.7/9

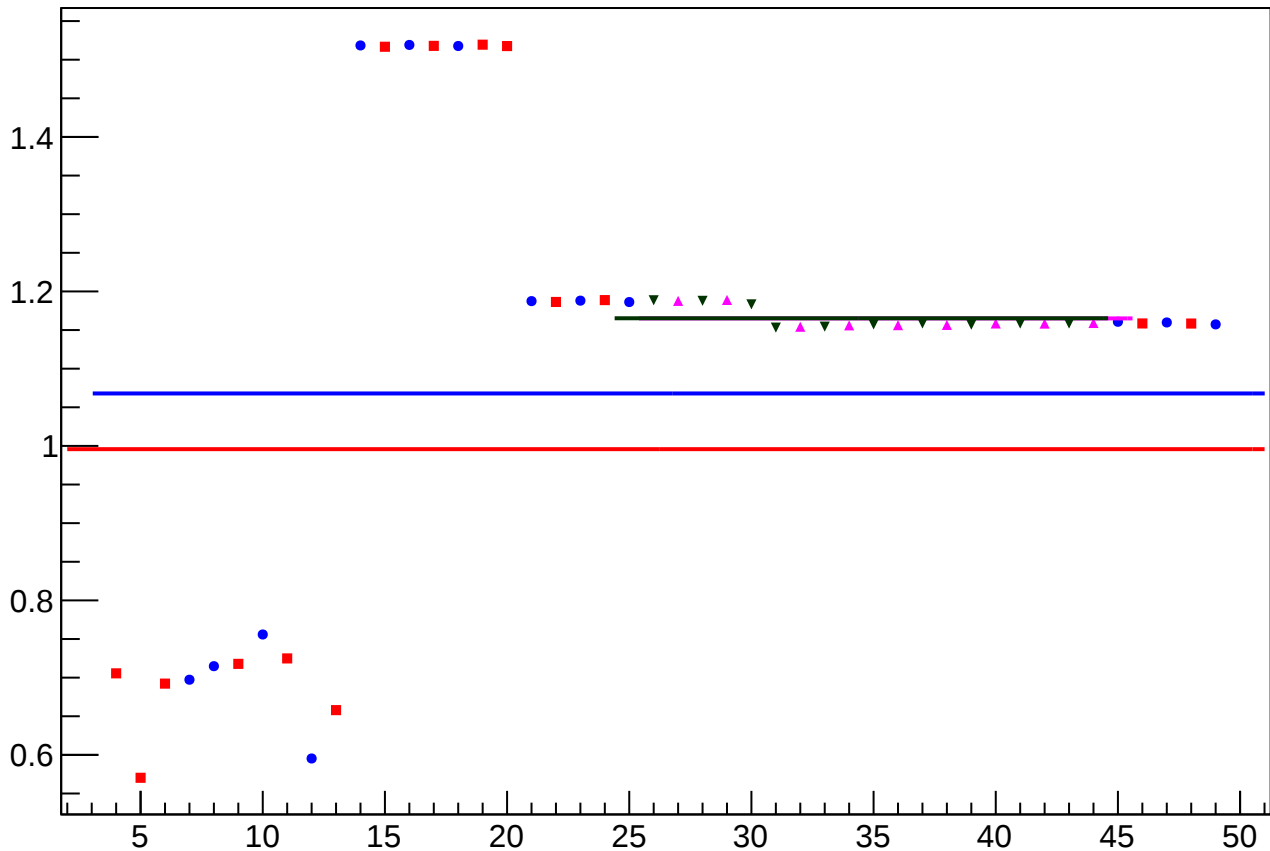
Right Out: 0.017+/-0.000 χ^2/NDF : 694080.8/13

Left In: 0.020+/-0.000 χ^2/NDF : 482021.9/8

0.019+/-0.000 χ^2/NDF : 1644493.5/22

0.018+/-0.000 χ^2/NDF : 1315801.2/22

yield_bpm4eY_mean vs slug



Right In: 1.068+/-0.000 χ^2/NDF : 10434131153.8/12

Left Out: 1.165+/-0.000 χ^2/NDF :12143638.8/9

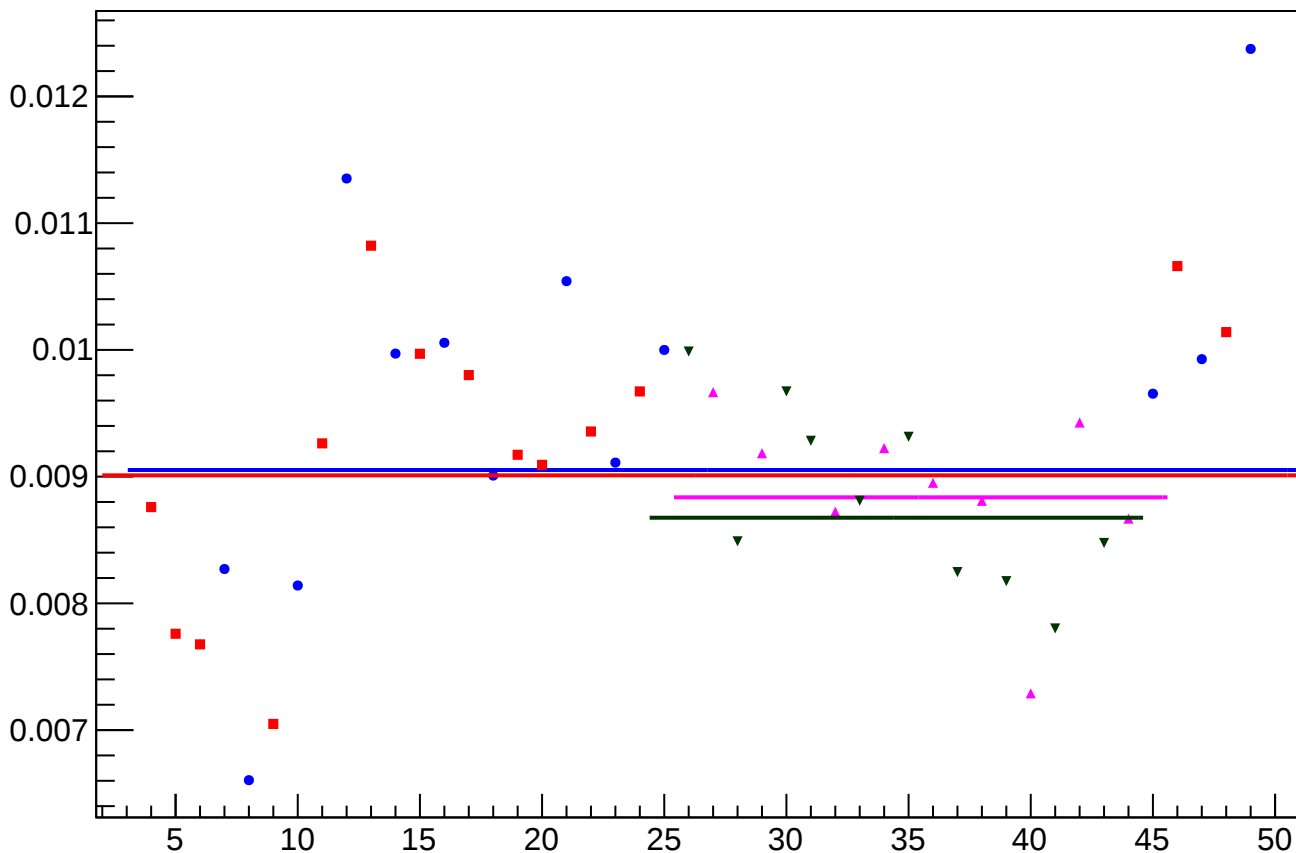
1.108+/-0.000 χ^2/NDF : 10821507405.8/22

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 : 499092.0/12

Left Out: 0.009+/-0.000 χ^2/NDF : 57413.1/9

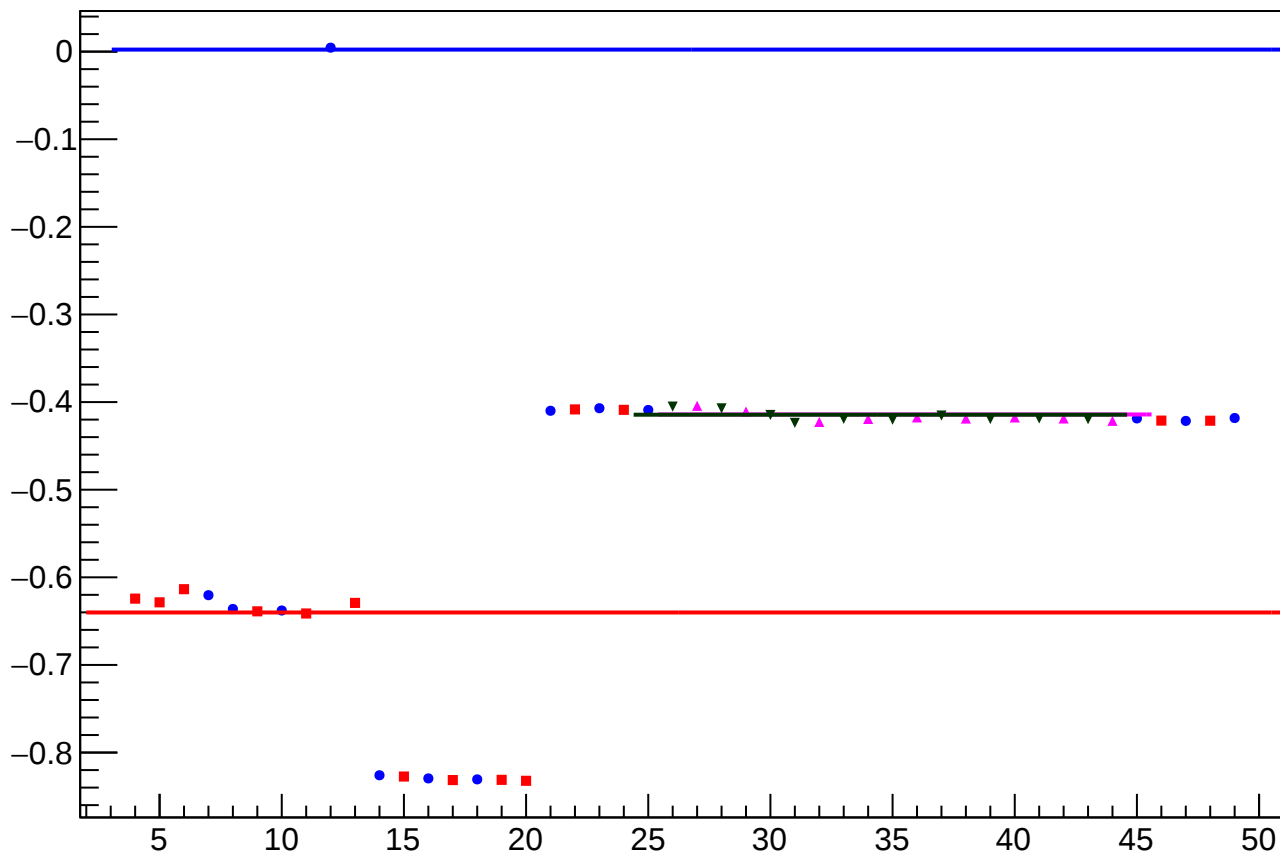
Right Out: 0.009+/-0.000 χ^2/NDF : 261267.4/13

Left In: 0.009+/-0.000 χ^2/NDF : 63755.7/8

0.009+/-0.000 χ^2/NDF : 567735.5/22

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: 55505913690.2/12

Left Out: -0.414 $\pm$ 0.000 χ^2 /NDF: 2260145.2/9

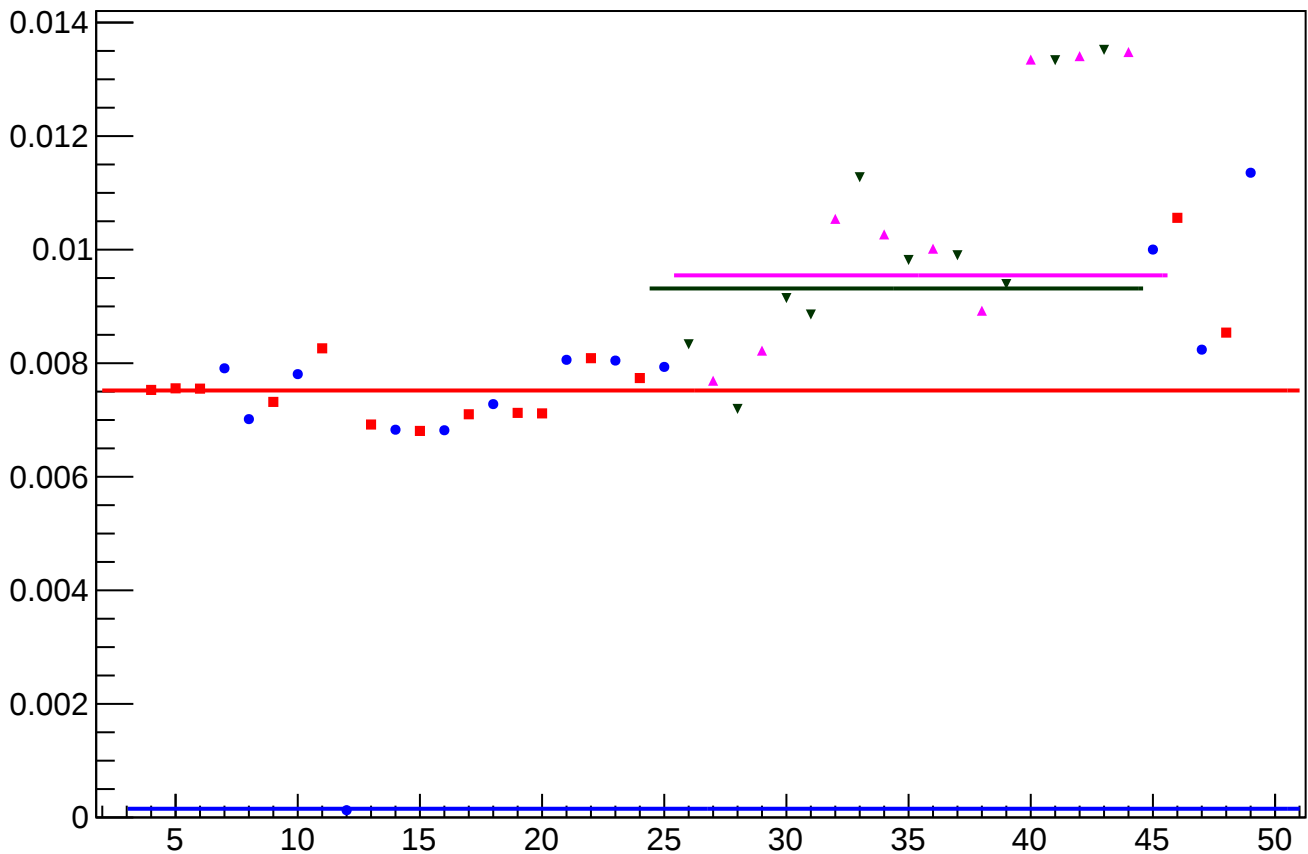
Right Out: -0.640 $\pm$ 0.000 χ^2 /NDF: 2807746527.3/13

Left In: -0.414 $\pm$ 0.000 χ^2 /NDF: 2651942.7/8

0.002 $\pm$ 0.000 χ^2 /NDF: 65615156287.3/22

-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 : 14972165.0/12

Left Out: 0.009+/-0.000 χ^2/NDF : 365508.7/9

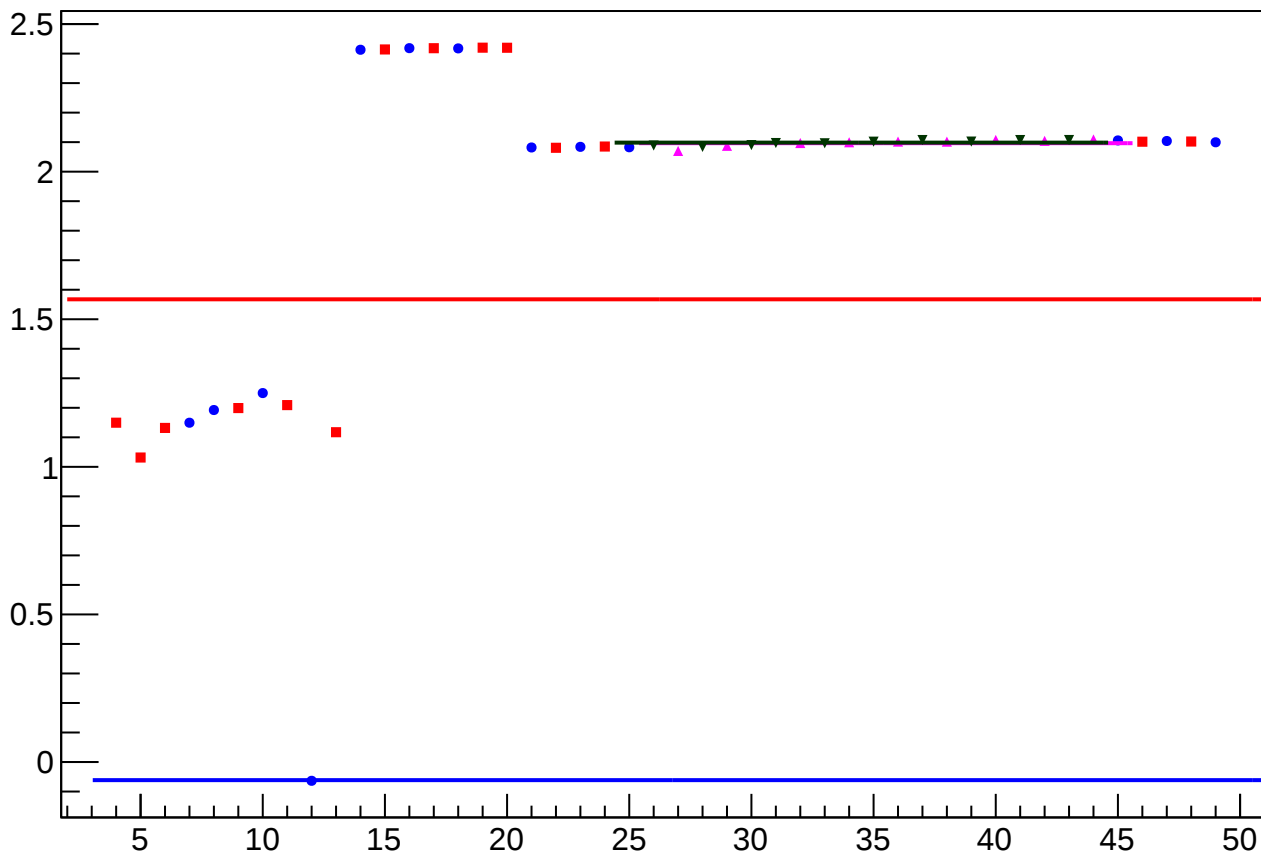
0.000+/-0.000 χ^2/NDF : 25111427.4/22

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: -0.061+/-0.000 χ^2/NDF : 161678357704.8/12

Left Out: 2.098+/-0.000 χ^2/NDF : 2018647.6/9

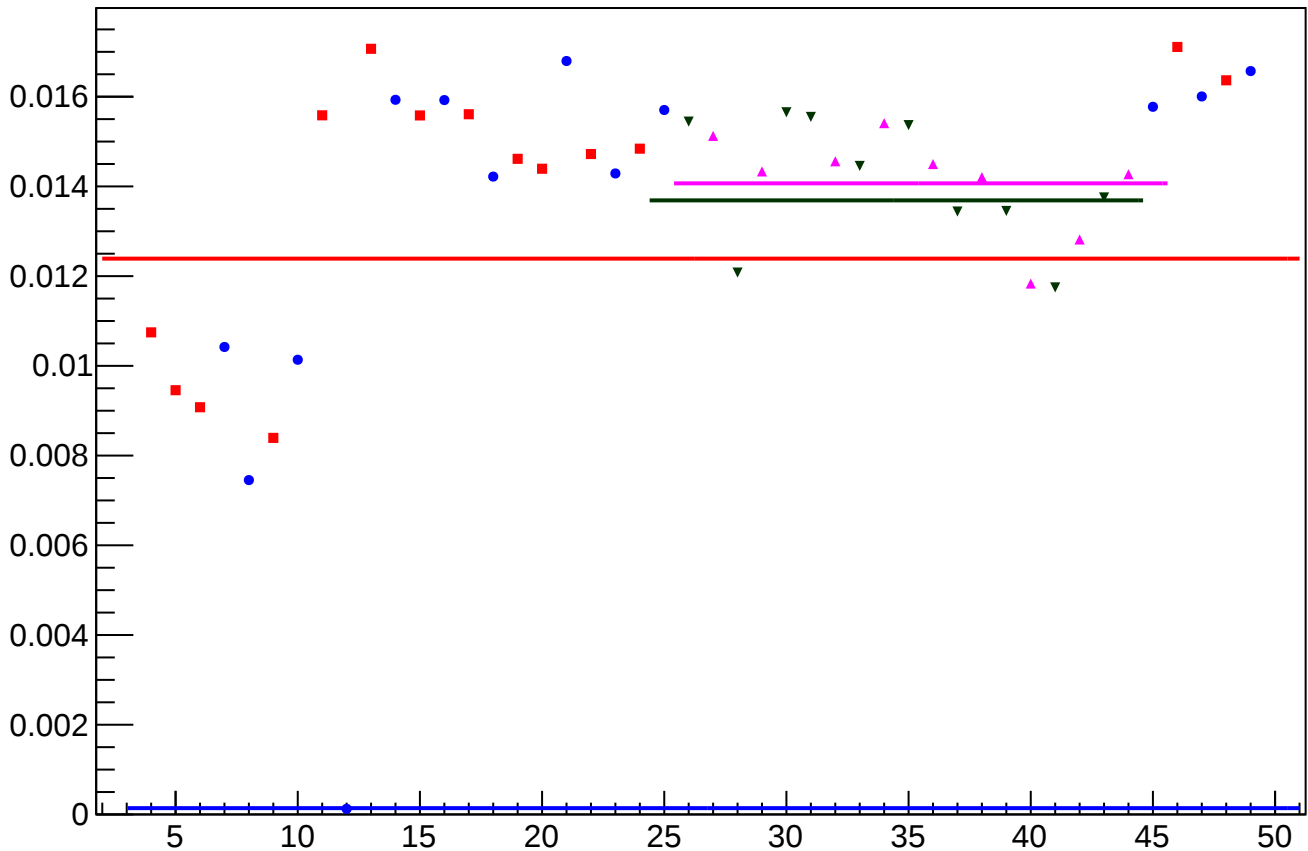
Right Out: 1.568+/-0.000 χ^2/NDF : 12377609809.6/13

Left In: 2.096+/-0.000 χ^2/NDF : 3992542.9/8

-0.060+/-0.000 χ^2/NDF : 286993379689.3/22

1.775+/-0.000 χ^2/NDF : 17069321842.9/22

yield_bpm4acY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 14698808.1/12

Left Out: 0.014+/-0.000 χ^2/NDF :106273.7/9

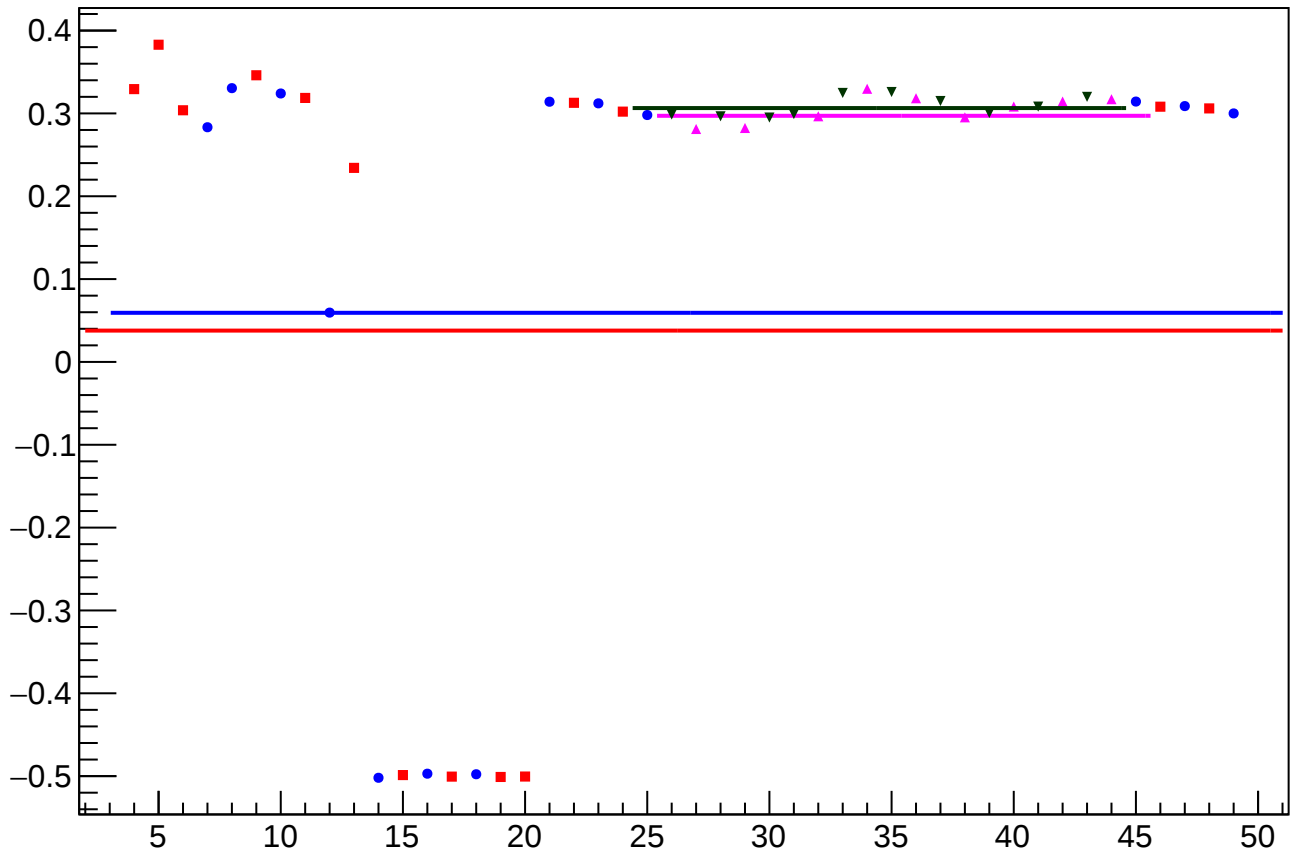
0.000+/-0.000 χ^2/NDF : 24667371.9/22

Right Out: 0.012+/-0.000 χ^2/NDF : 992637.9/13

0.013+/-0.000 χ^2/NDF : 1150360.2/22

Left In: 0.014+/-0.000 χ^2/NDF :63357.4/8

yield_bpm4ecX_mean vs slug



Right In: 0.059 $\pm$ 0.000 χ^2 /NDF: 3815162577.6/12

Left Out: 0.306 $\pm$ 0.000 χ^2 /NDF:1355327.7/9

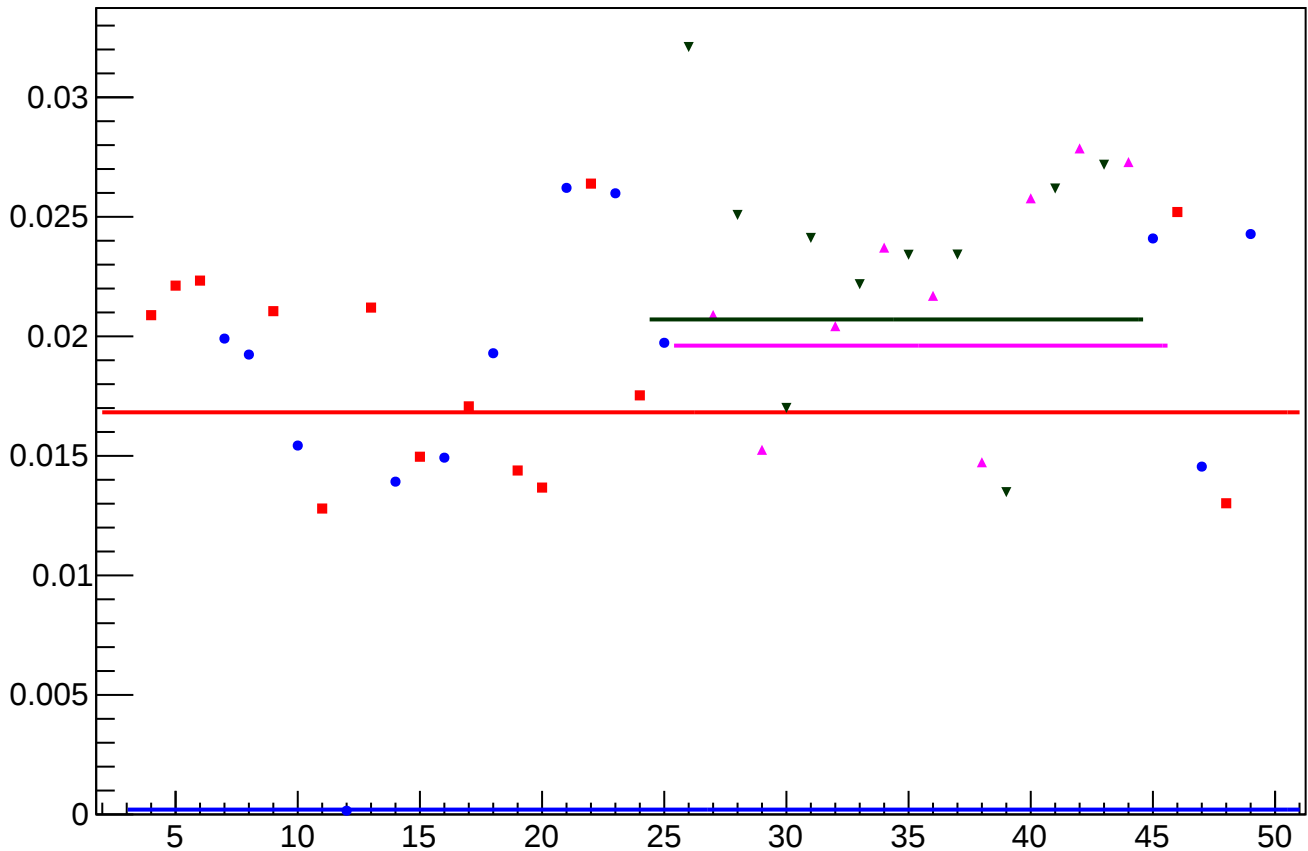
0.060 $\pm$ 0.000 χ^2 /NDF: 4488659832.6/22

Right Out: 0.038 $\pm$ 0.000 χ^2 /NDF: 3409519080.6/13

0.130 $\pm$ 0.000 χ^2 /NDF: 3977065492.7/22

Left In: 0.297 $\pm$ 0.000 χ^2 /NDF:3115046.5/8

yield_bpm4ecX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 14566662.4/12

Left Out: 0.021+/-0.000 χ^2/NDF : 655279.7/9

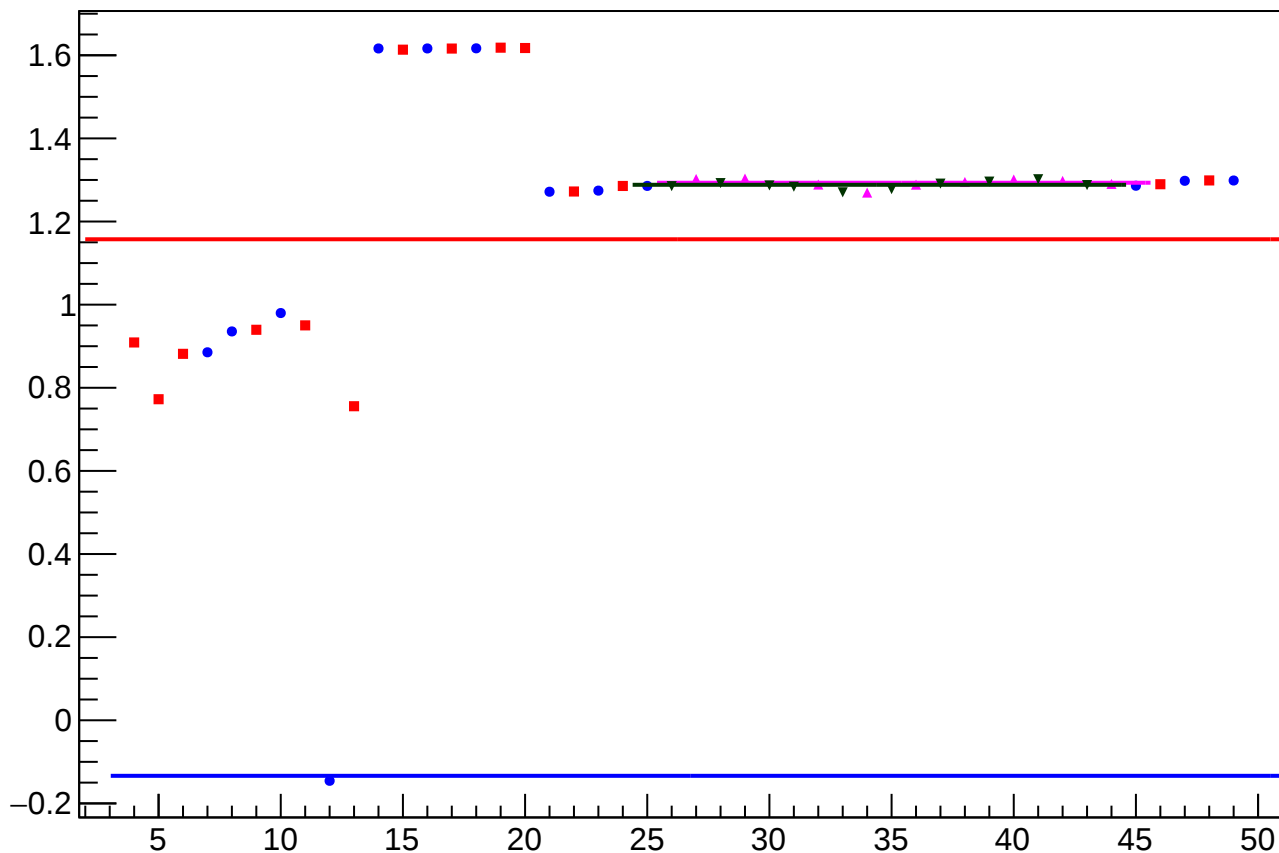
0.000+/-0.000 χ^2/NDF : 24474233.7/22

Right Out: 0.017+/-0.000 χ^2/NDF : 752678.2/13

0.018+/-0.000 χ^2/NDF : 1376816.4/22

Left In: 0.020+/-0.000 χ^2/NDF : 493445.7/8

yield_bpm4ecY_mean vs slug



Right In: -0.134+/-0.000 χ^2/NDF : 159116777661.8/12

Left Out: 1.288+/-0.000 χ^2/NDF : 3982202.6/9

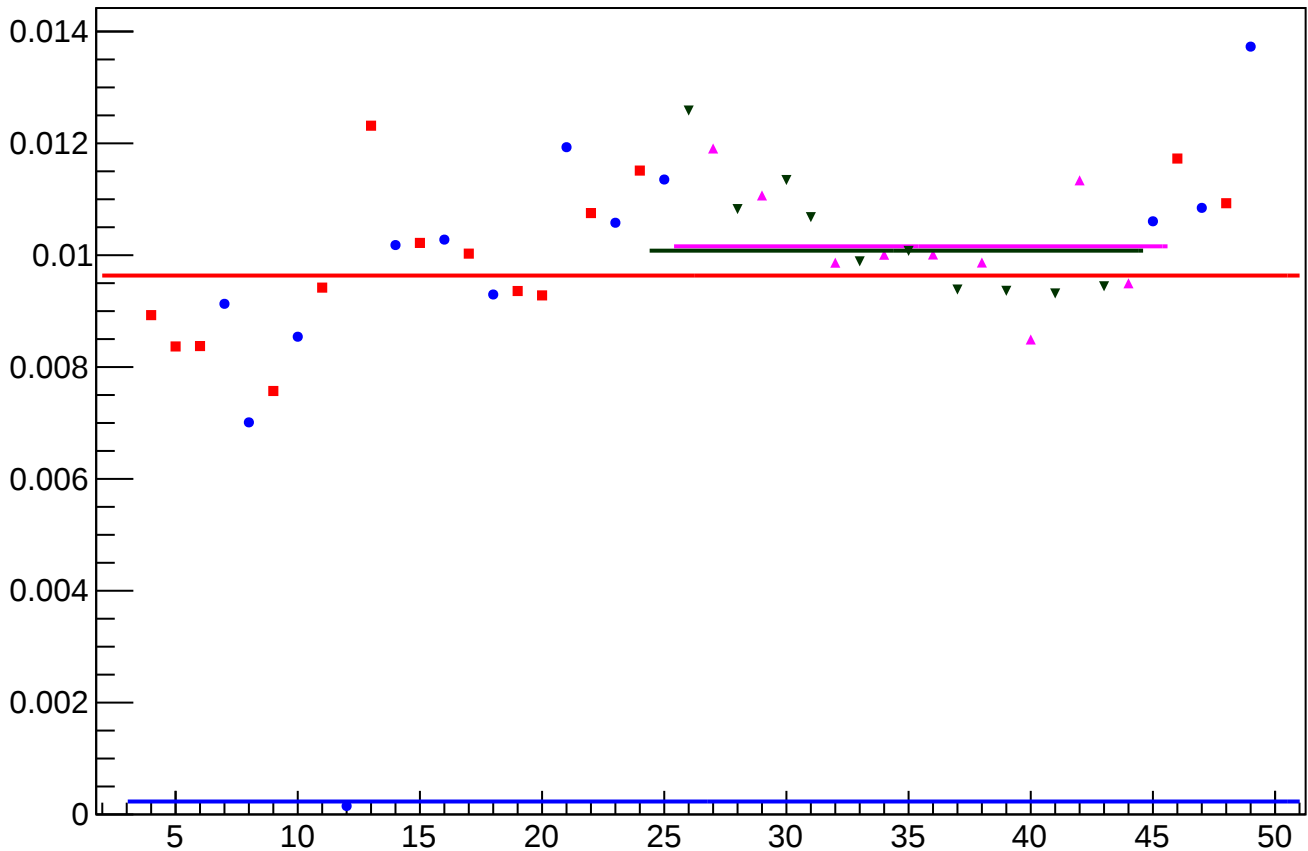
Right Out: 1.157+/-0.000 χ^2/NDF : 7166803341.5/13

Left In: 1.293+/-0.000 χ^2/NDF : 4686204.8/8

-0.126+/-0.000 χ^2/NDF : 259965816988.5/22

1.213+/-0.000 χ^2/NDF : 7739195623.3/22

yield_bpm4ecY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 14433666.2/12

Left Out: 0.010+/-0.000 χ^2/NDF :82741.5/9

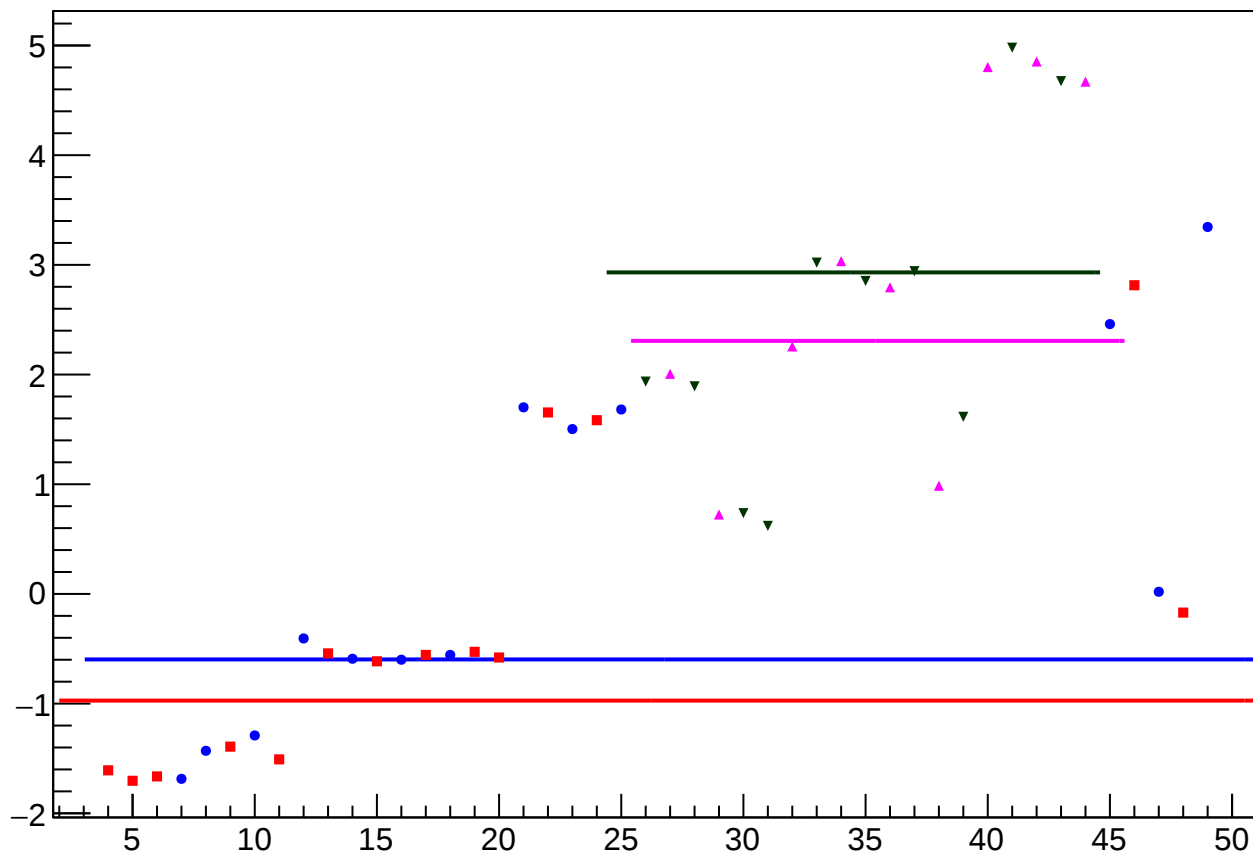
0.000+/-0.000 χ^2/NDF : 24193344.4/22

Right Out: 0.010+/-0.000 χ^2/NDF : 315975.0/13

0.010+/-0.000 χ^2/NDF : 433683.3/22

Left In: 0.010+/-0.000 χ^2/NDF :100961.6/8

yield_bpm1X_mean vs slug



Right In: -0.597+/-0.000 χ^2/NDF : 5201400921.2/12

Left Out: 2.931+/-0.000 χ^2/NDF : 696767729.4/9

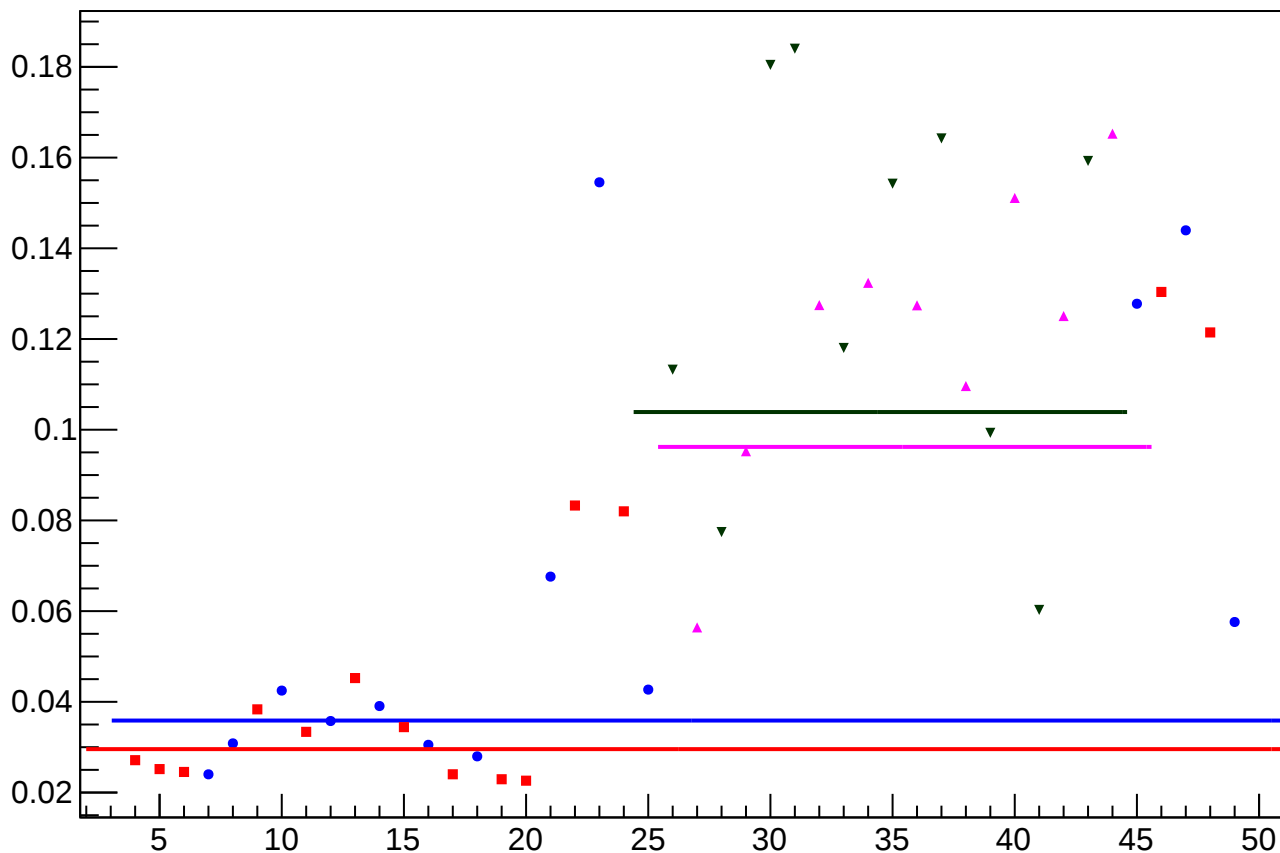
Right Out: -0.973+/-0.000 χ^2/NDF : 2328936114.0/13

Left In: 2.307+/-0.000 χ^2/NDF : 637059338.1/8

-0.335+/-0.000 χ^2/NDF : 9666223705.1/22

-0.739+/-0.000 χ^2/NDF : 7119475548.3/22

yield_bpm1X_rms vs slug



Right In: 0.036+/-0.000 χ^2/NDF : 2274380.0/12

Left Out: 0.104+/-0.000 χ^2/NDF : 1068598.5/9

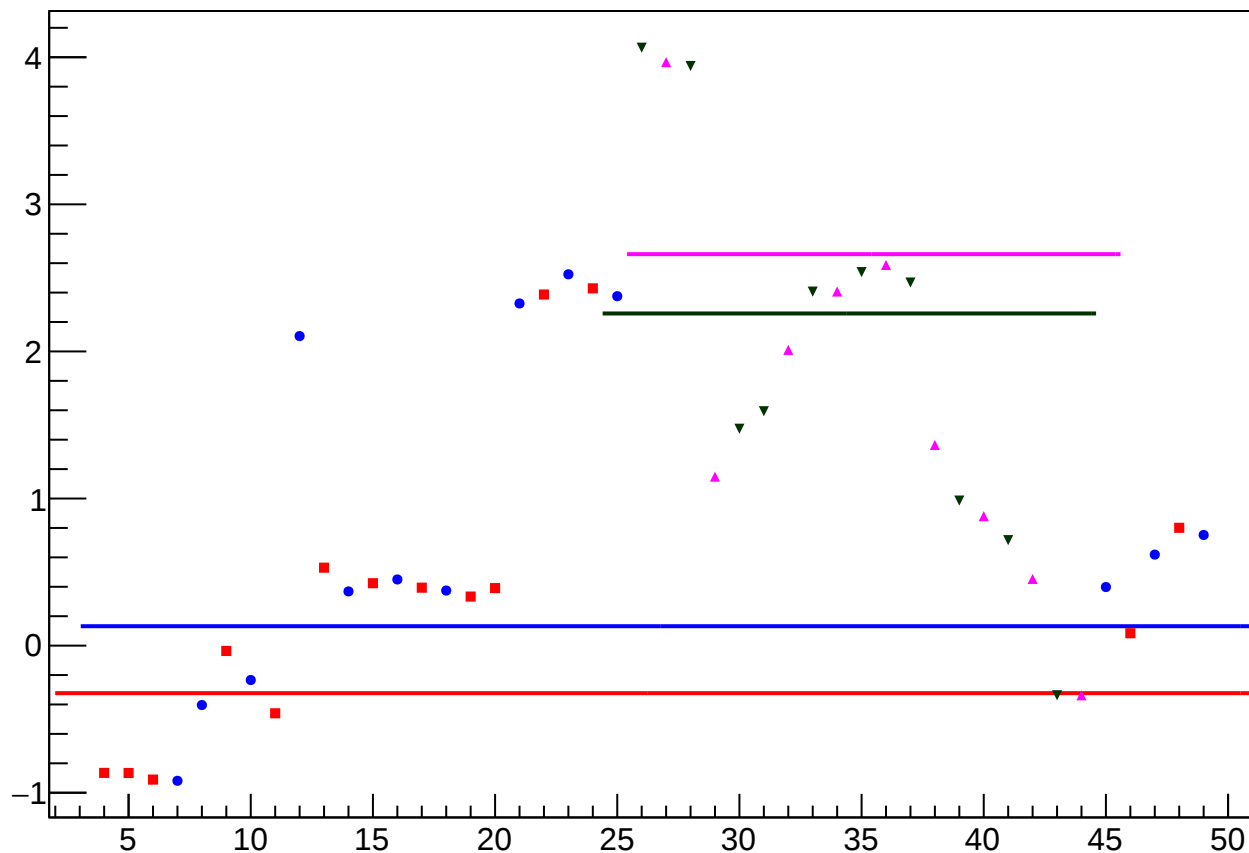
Right Out: 0.030+/-0.000 χ^2/NDF : 1851465.5/13

Left In: 0.096+/-0.000 χ^2/NDF : 1062303.0/8

0.041+/-0.000 χ^2/NDF : 6144015.5/22

0.034+/-0.000 χ^2/NDF : 6343570.2/22

yield_bpm1Y_mean vs slug



Right In: 0.132 $\pm$ 0.000 χ^2 /NDF: 8270648993.3/12

Left Out: 2.258 $\pm$ 0.000 χ^2 /NDF:1464188140.1/9

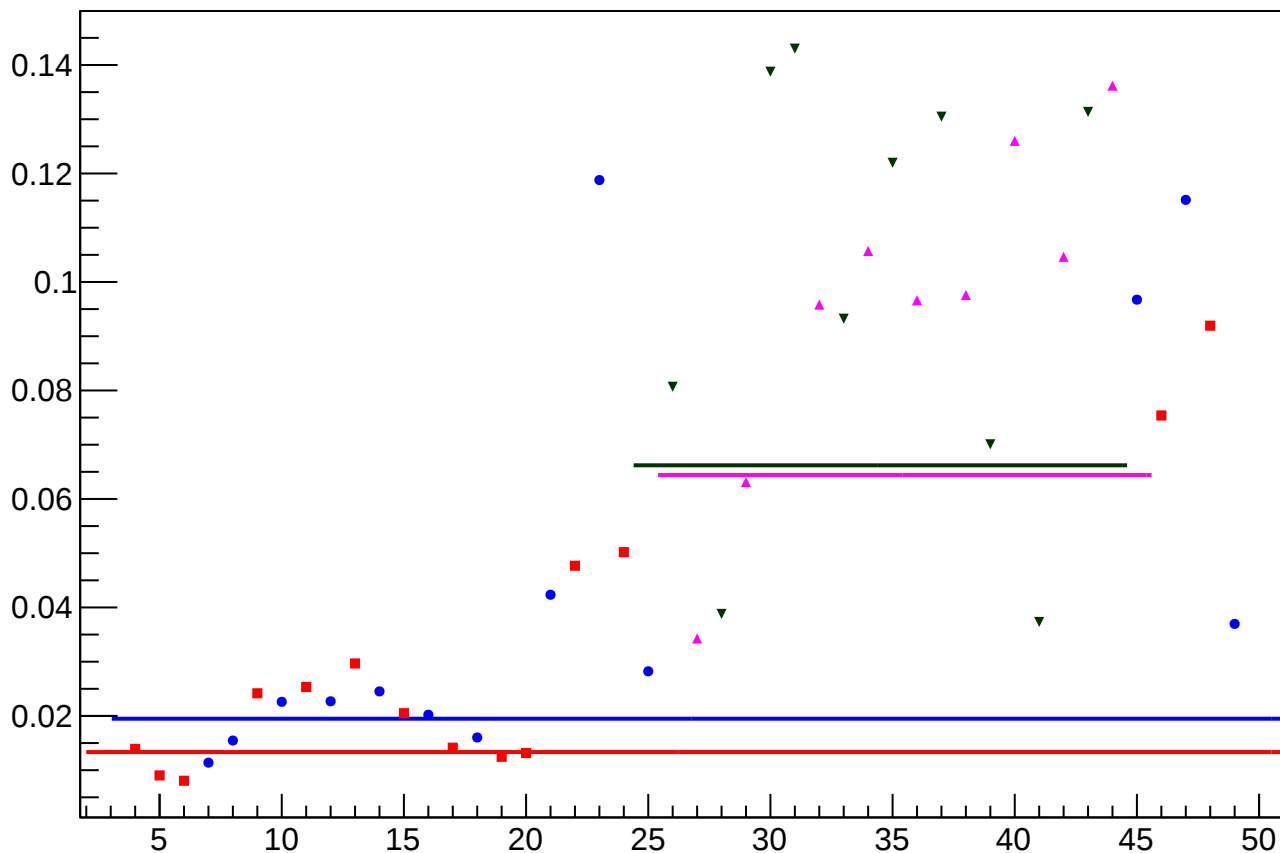
Right Out: -0.323 $\pm$ 0.000 χ^2 /NDF: 9354888718.1/13

Left In: 2.661 $\pm$ 0.000 χ^2 /NDF:1577506308.7/8

0.250 $\pm$ 0.000 χ^2 /NDF: 12596228186.0/22

-0.212 $\pm$ 0.000 χ^2 /NDF: 17894513732.4/22

yield_bpm1Y_rms vs slug



Right In: 0.019+/-0.000 χ^2/NDF : 2835708.3/12

Left Out: 0.066+/-0.000 χ^2/NDF :1777792.9/9

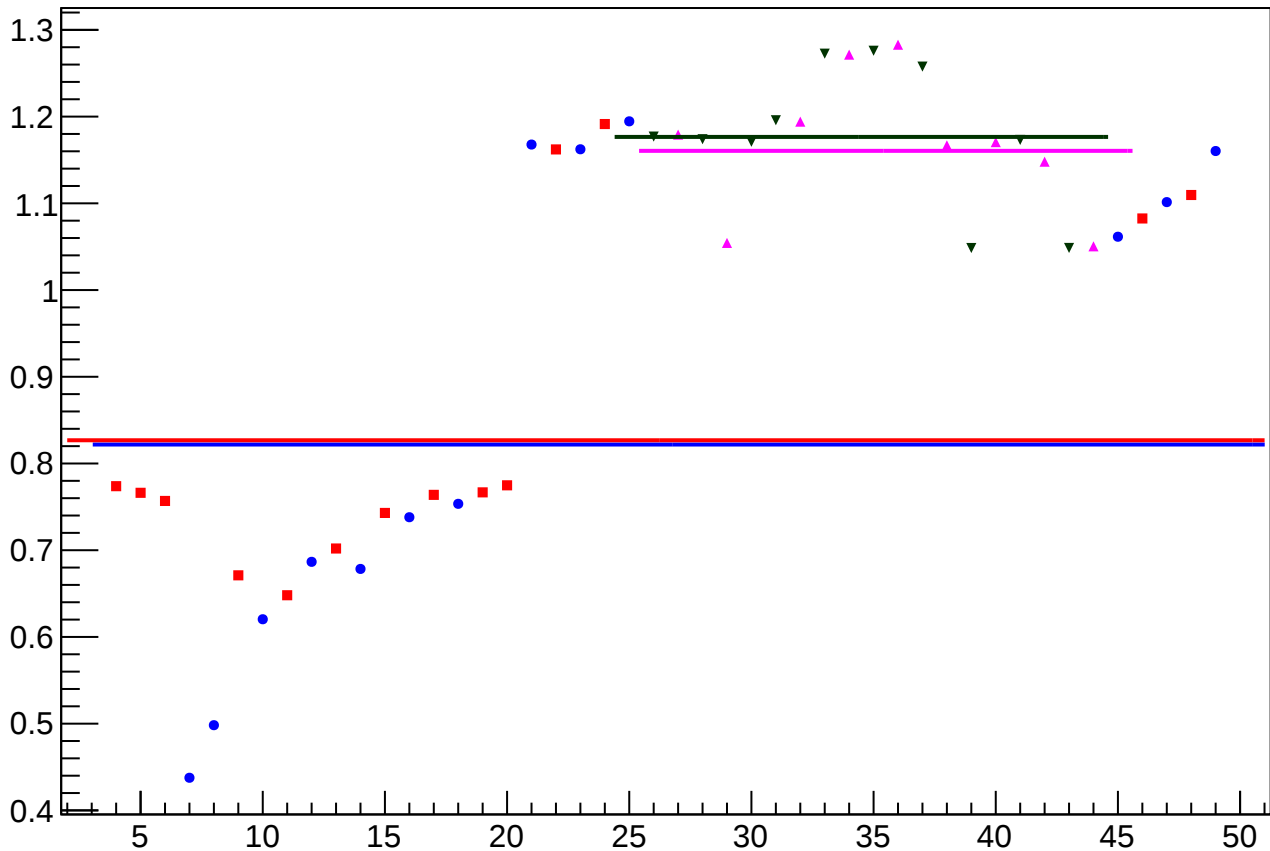
Right Out: 0.013+/-0.000 χ^2/NDF : 2815504.9/13

Left In: 0.064+/-0.000 χ^2/NDF :1800340.3/8

0.022+/-0.000 χ^2/NDF : 7376297.2/22

0.015+/-0.000 χ^2/NDF : 8693785.3/22

yield_bpm11X_mean vs slug



Right In: 0.822 ± 0.000 χ^2/NDF : 1197771336.1/12

Left Out: 1.177 ± 0.000 χ^2/NDF : 56492661.1/9

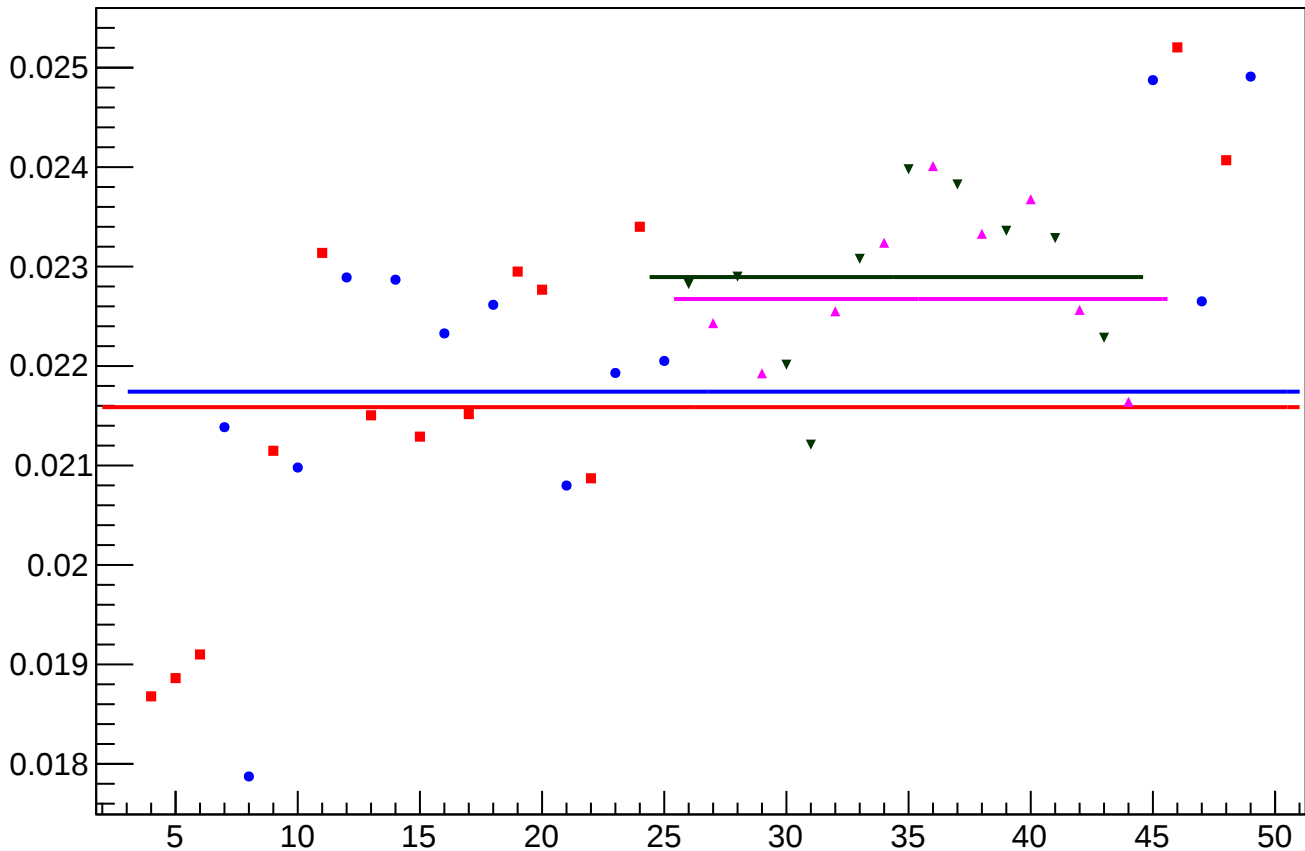
0.951 ± 0.000 χ^2/NDF : 2040641409.9/22

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: 0.022 $\pm$ 0.000 χ^2 /NDF: 146602.6/12

Left Out: 0.023 $\pm$ 0.000 χ^2 /NDF:11436.5/9

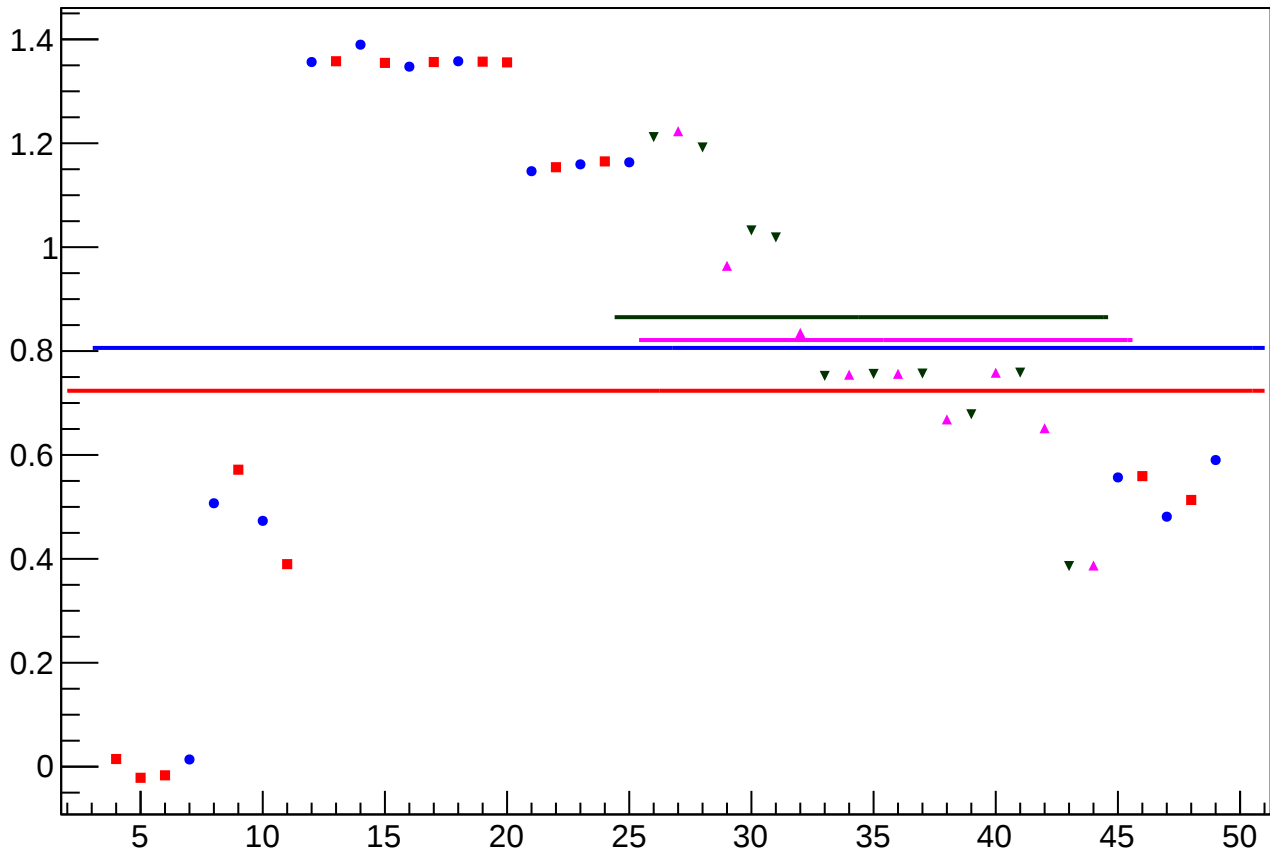
Right Out: 0.022 $\pm$ 0.000 χ^2 /NDF: 88732.3/13

Left In: 0.023 $\pm$ 0.000 χ^2 /NDF:10426.9/8

0.022 $\pm$ 0.000 χ^2 /NDF: 174634.1/22

0.022 $\pm$ 0.000 χ^2 /NDF: 113902.8/22

yield_bpm11Y_mean vs slug



Right In: 0.806+/-0.000 χ^2/NDF : 112718877726.0/12

Left Out: 0.865+/-0.000 χ^2/NDF : 19769026573.0/9

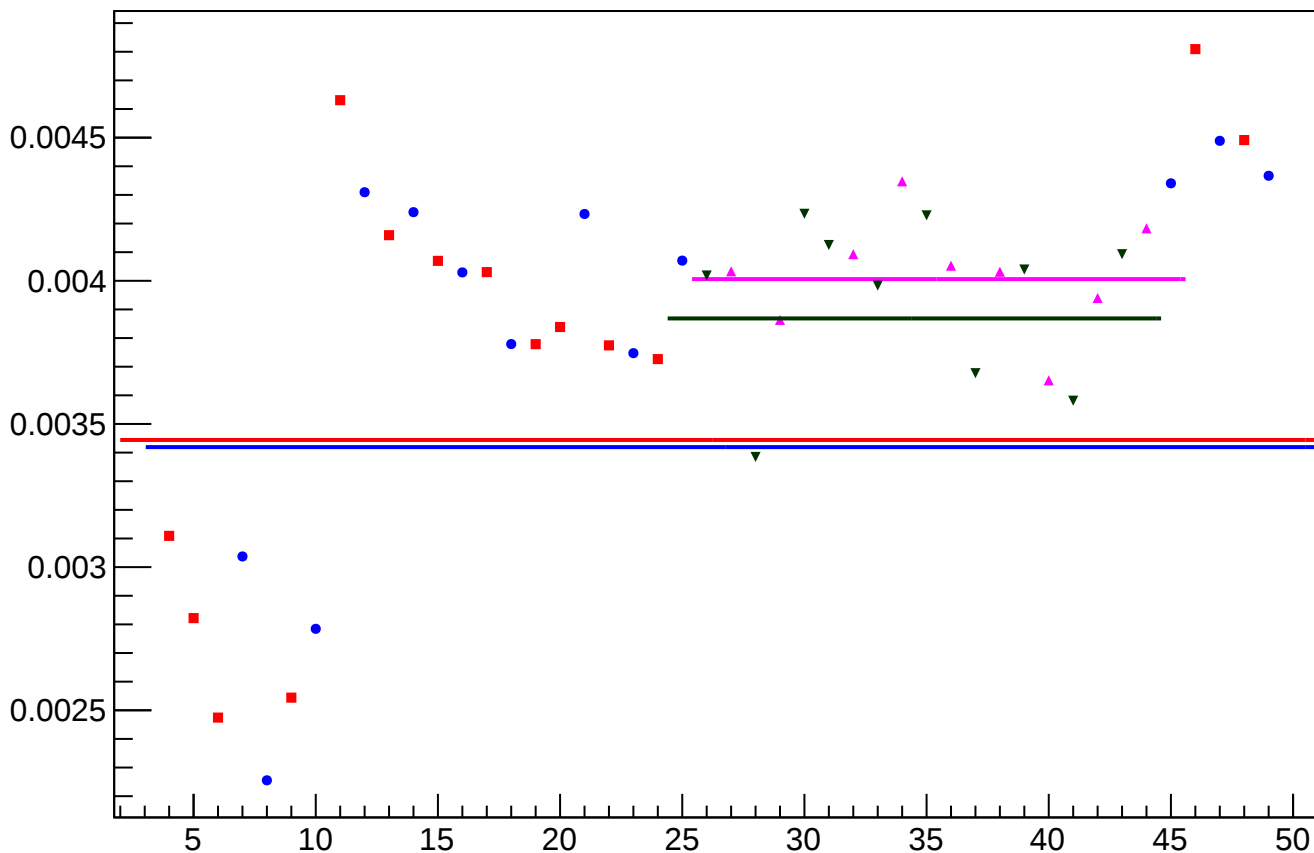
0.826+/-0.000 χ^2/NDF : 133265786844.3/22

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 : 973966.9/12

Left Out: 0.004+/-0.000 χ^2/NDF :59617.0/9

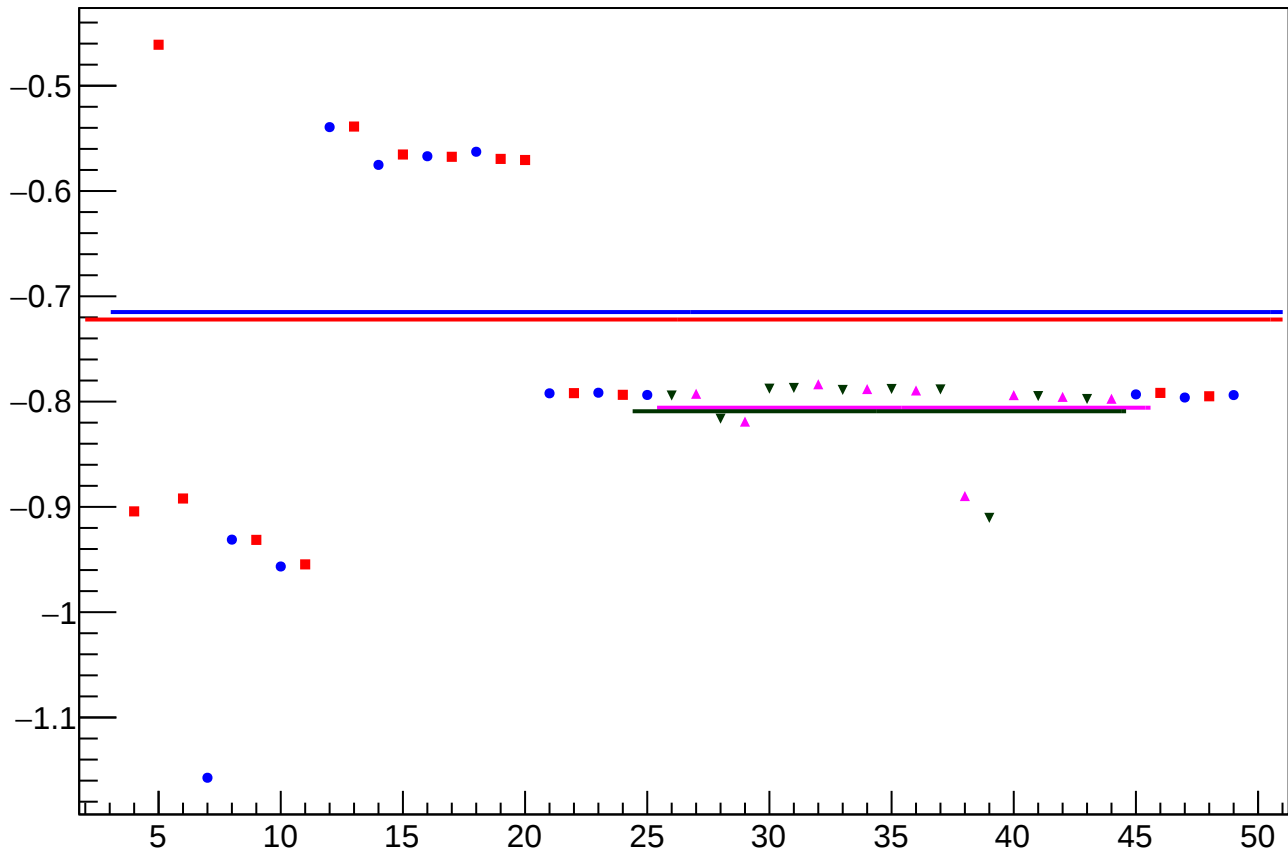
Right Out: 0.003+/-0.000 χ^2/NDF : 711197.0/13

Left In: 0.004+/-0.000 χ^2/NDF :20484.3/8

0.004+/-0.000 χ^2/NDF : 1123297.1/22

0.004+/-0.000 χ^2/NDF : 866036.9/22

yield_bpm12X_mean vs slug



Right In: -0.715+/-0.000 χ^2/NDF : 2137289560.6/12

-0.749+/-0.000 χ^2/NDF : 2703642366.7/22

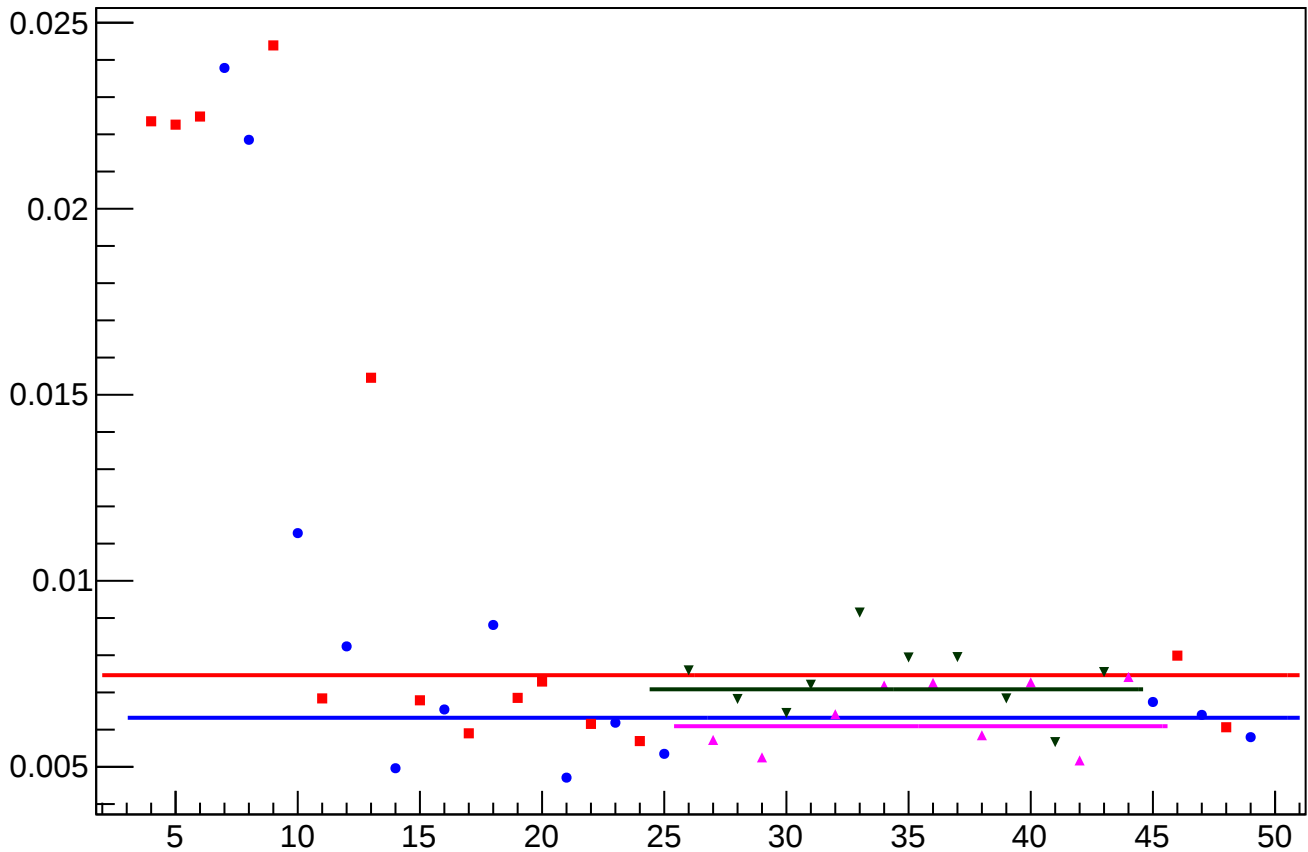
Left Out: -0.809+/-0.000 χ^2/NDF : 119027161.1/9

Right Out: -0.722+/-0.000 χ^2/NDF : 1809537227.4/13

-0.768+/-0.000 χ^2/NDF : 2245065355.4/22

Left In: -0.806+/-0.000 χ^2/NDF : 95429738.5/8

yield_bpm12X_rms vs slug



Right In: 0.006 ± 0.000 χ^2/NDF : 1846182.4/12

Left Out: 0.007 ± 0.000 χ^2/NDF : 128168.7/9

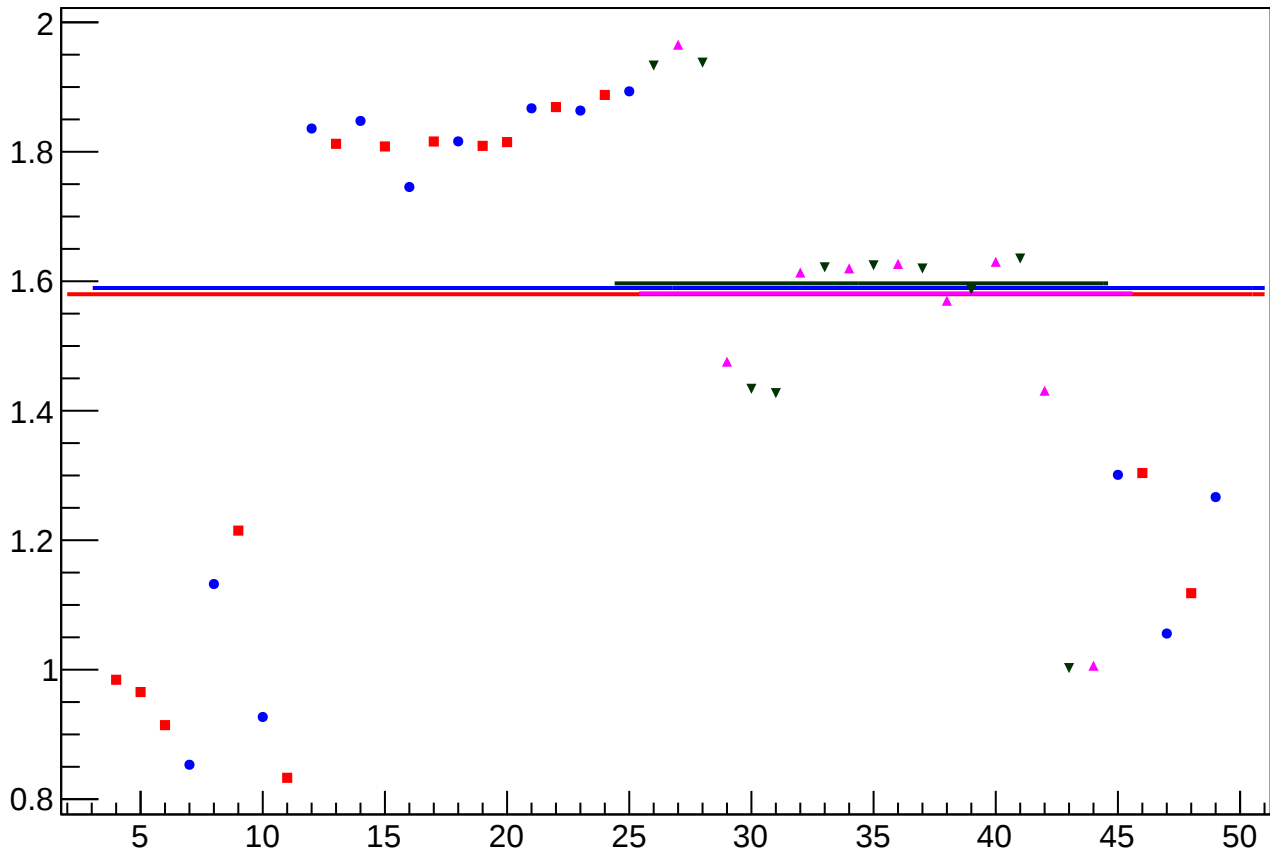
0.007 ± 0.000 χ^2/NDF : 2033352.8/22

Right Out: 0.007 ± 0.000 χ^2/NDF : 2336578.4/13

Left In: 0.006 ± 0.000 χ^2/NDF : 142266.3/8

0.007 ± 0.000 χ^2/NDF : 2661166.8/22

yield_bpm12Y_mean vs slug



Right In: 1.590+/-0.000 χ^2/NDF : 18934108578.5/12

Left Out: 1.597+/-0.000 χ^2/NDF : 6672070685.1/9

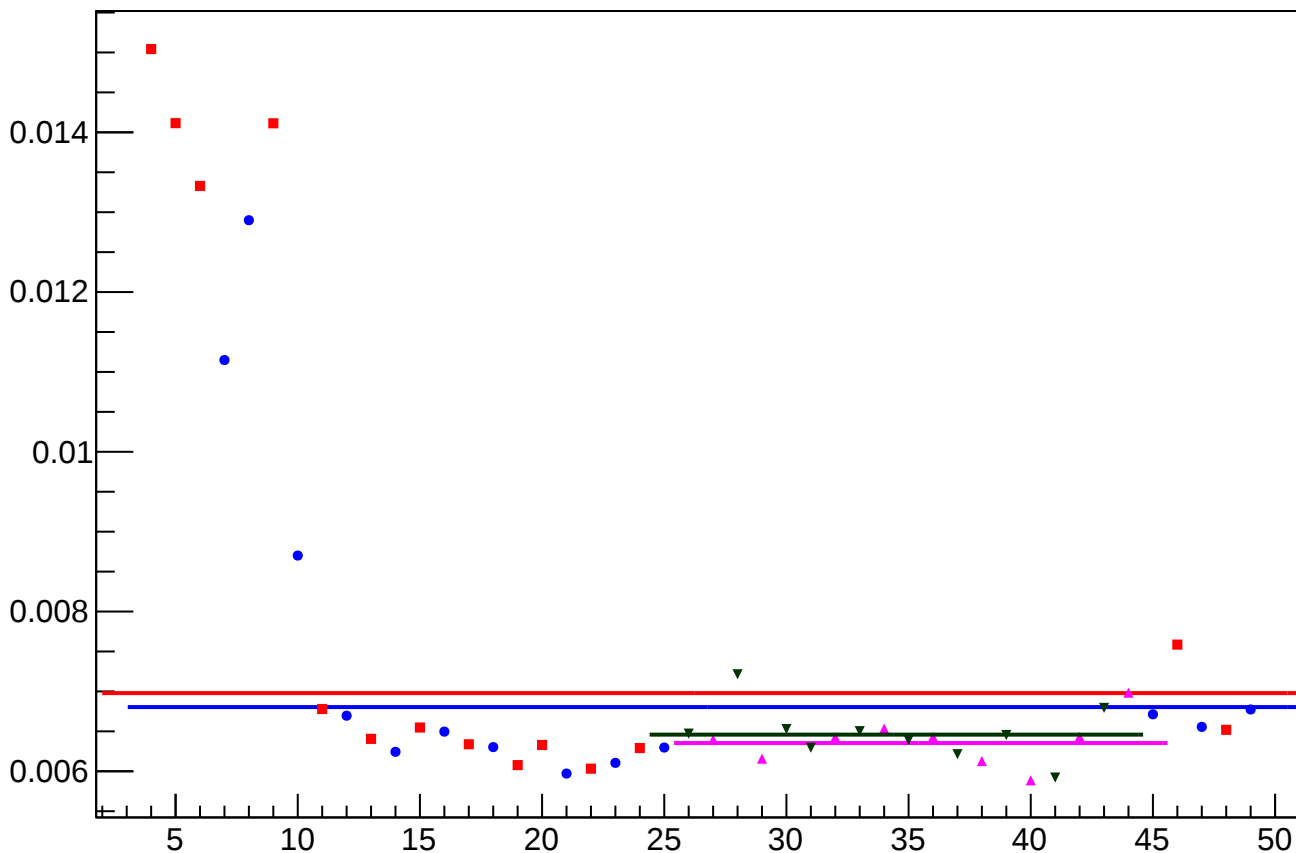
1.593+/-0.000 χ^2/NDF : 25609656356.2/22

Right Out: 1.580+/-0.000 χ^2/NDF : 18986988000.0/13

1.581+/-0.000 χ^2/NDF : 25744028306.4/22

Left In: 1.581+/-0.000 χ^2/NDF : 6756929993.8/8

yield_bpm12Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 602883.5/12

Left Out: 0.006+/-0.000 χ^2/NDF : 26704.2/9

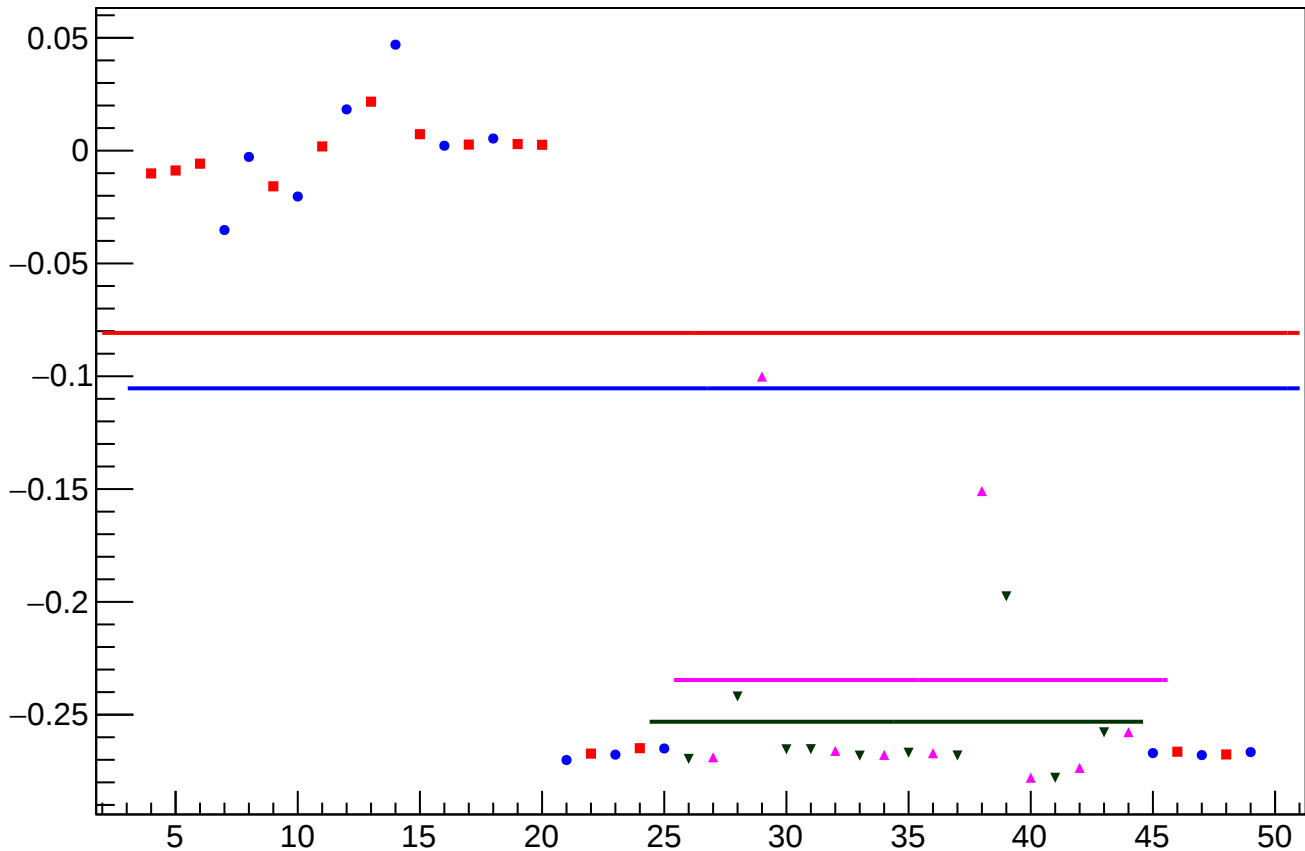
Right Out: 0.007+/-0.000 χ^2/NDF : 983325.5/13

Left In: 0.006+/-0.000 χ^2/NDF : 17689.1/8

0.007+/-0.000 χ^2/NDF : 645742.6/22

0.007+/-0.000 χ^2/NDF : 1051094.1/22

yield_bpm16X_mean vs slug



Right In: -0.105+/-0.000 χ^2/NDF : 5690800057.9/12

Left Out: -0.253+/-0.000 χ^2/NDF : 114103318.3/9

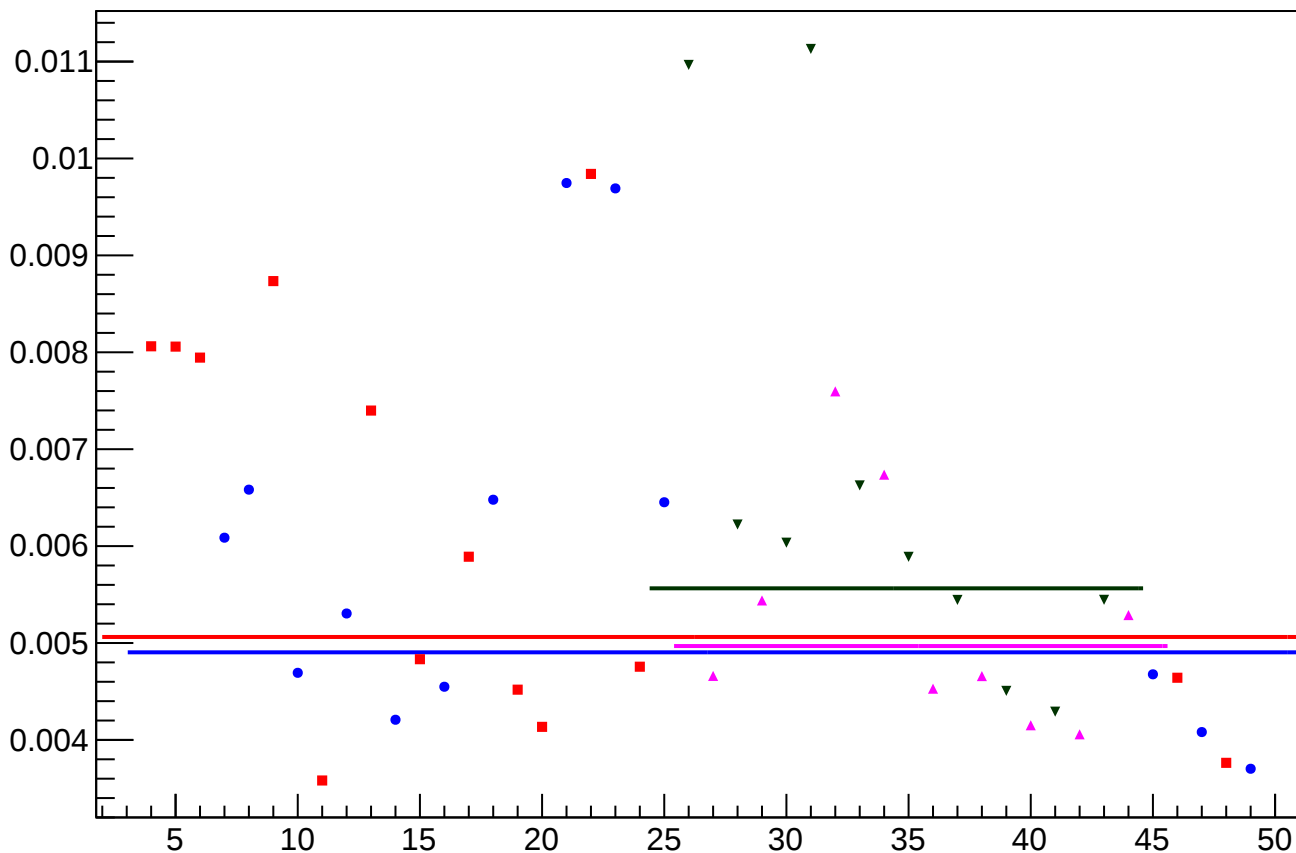
-0.154+/-0.000 χ^2/NDF : 7923073014.7/22

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+/-0.000 χ^2/NDF : 1095553.6/12

Left Out: 0.006+/-0.000 χ^2/NDF : 608011.7/9

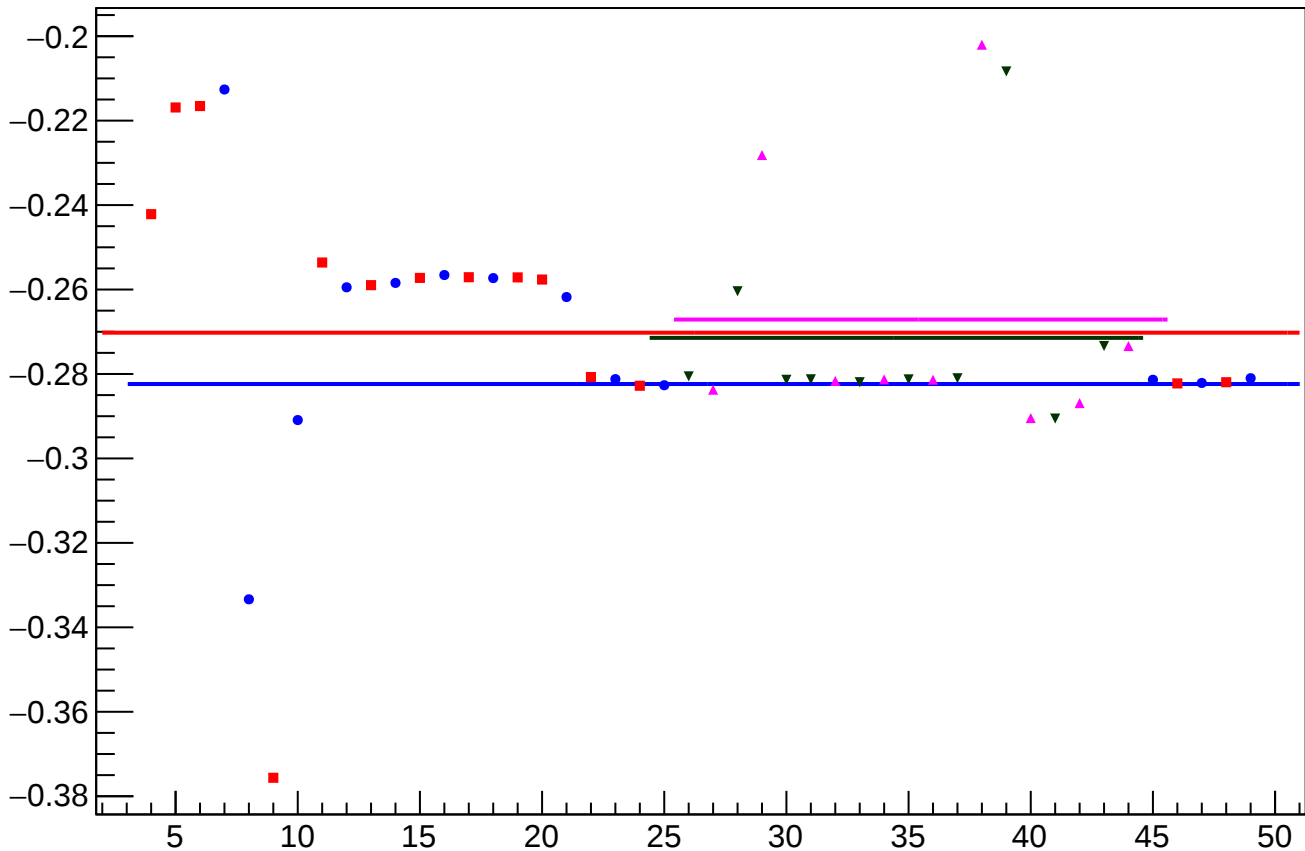
Right Out: 0.005+/-0.000 χ^2/NDF : 1331329.2/13

Left In: 0.005+/-0.000 χ^2/NDF : 366477.9/8

0.005+/-0.000 χ^2/NDF : 1788173.3/22

0.005+/-0.000 χ^2/NDF : 1699685.1/22

yield_bpm16Y_mean vs slug



Right In: -0.282+/-0.000 χ^2/NDF : 1067308571.5/12

Left Out: -0.271+/-0.000 χ^2/NDF : 349277523.0/9

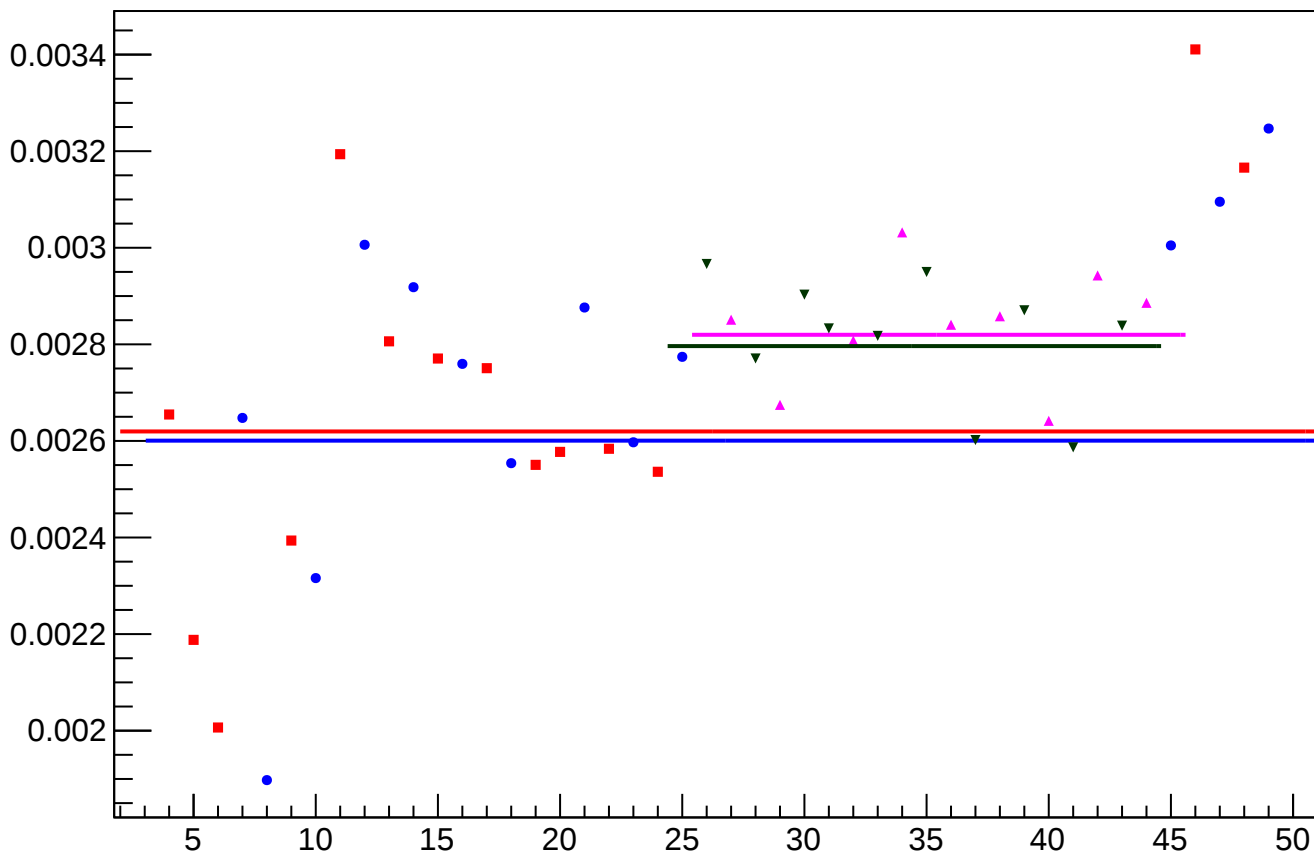
-0.278+/-0.000 χ^2/NDF : 1466927791.5/22

Right Out: -0.270+/-0.000 χ^2/NDF : 1948841668.1/13

-0.269+/-0.000 χ^2/NDF : 2506460134.0/22

Left In: -0.267+/-0.000 χ^2/NDF : 553669253.3/8

yield_bpm16Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 442406.3/12

Left Out: 0.003+/-0.000 χ^2/NDF :22003.3/9

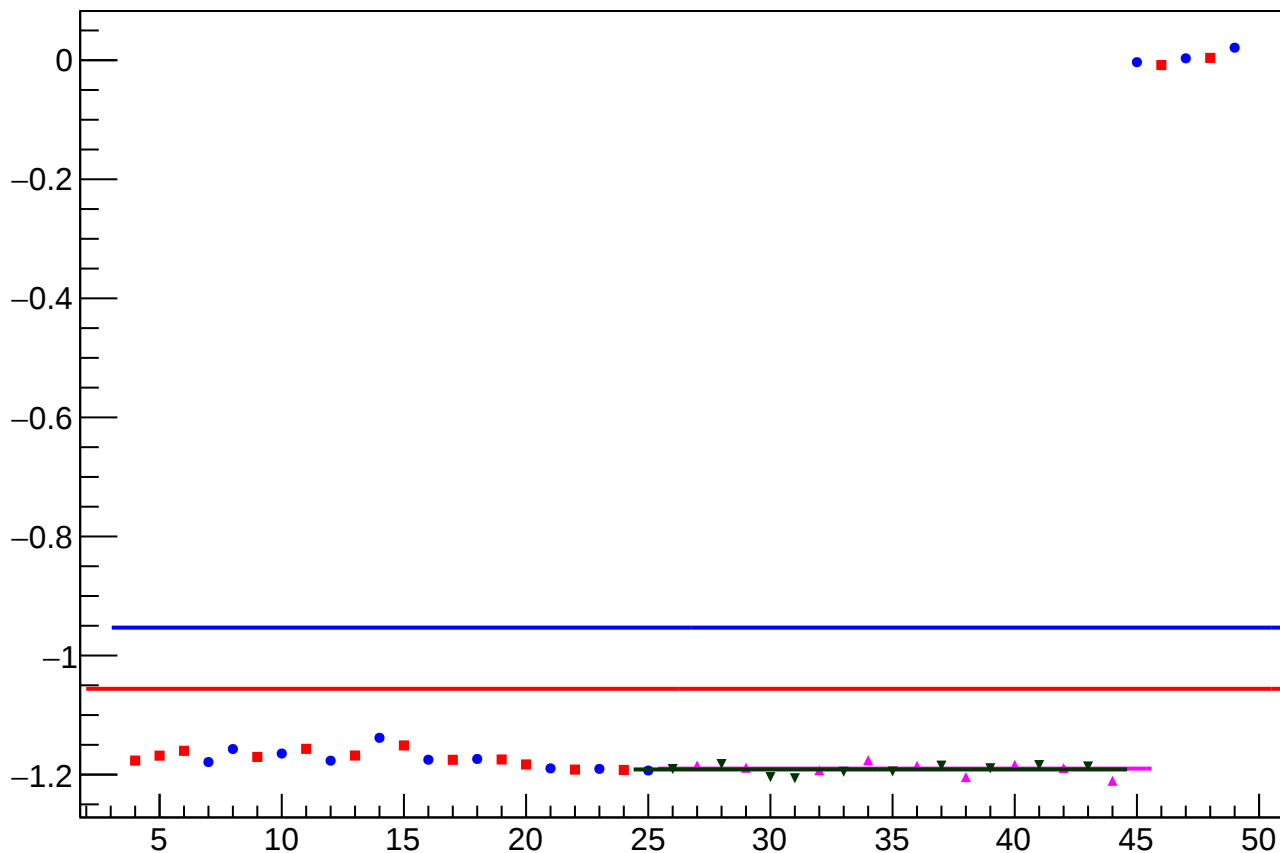
Right Out: 0.003+/-0.000 χ^2/NDF : 259496.1/13

Left In: 0.003+/-0.000 χ^2/NDF :16488.2/8

0.003+/-0.000 χ^2/NDF : 496713.8/22

0.003+/-0.000 χ^2/NDF : 308647.7/22

yield_bpm2i01X_mean vs slug



Right In: -0.953+/-0.000 χ^2/NDF : 32732433961.0/12

Left Out: -1.191+/-0.000 χ^2/NDF : 4812748.3/9

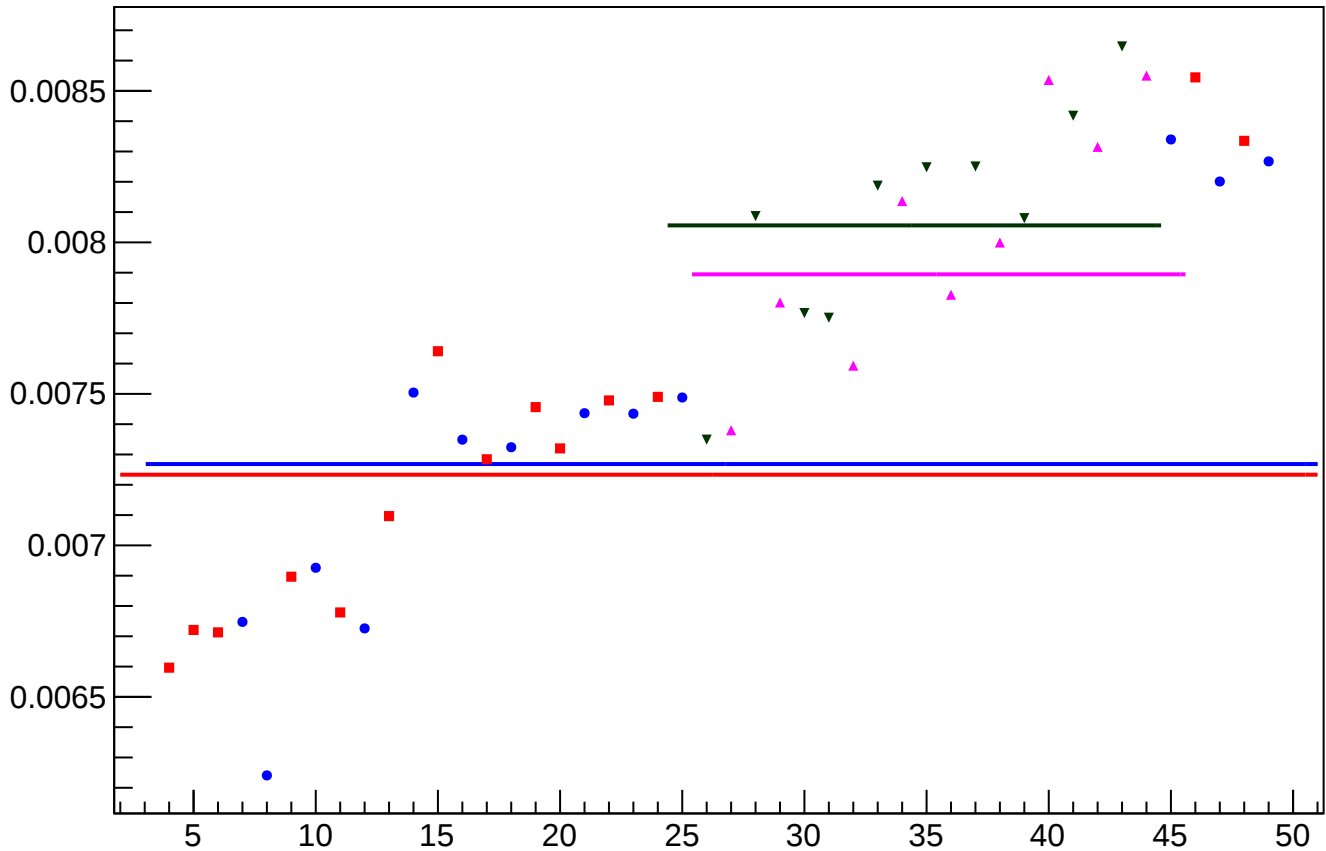
Right Out: -1.056+/-0.000 χ^2/NDF : 16885414255.7/13

Left In: -1.190+/-0.000 χ^2/NDF : 6924812.0/8

-1.034+/-0.000 χ^2/NDF : 35770475799.3/22

-1.108+/-0.000 χ^2/NDF : 17865307857.5/22

yield_bpm2i01X_rms vs slug



Right In: 0.007 ± 0.000 χ^2/NDF : 125904.7/12

Left Out: 0.008 ± 0.000 χ^2/NDF : 19479.9/9

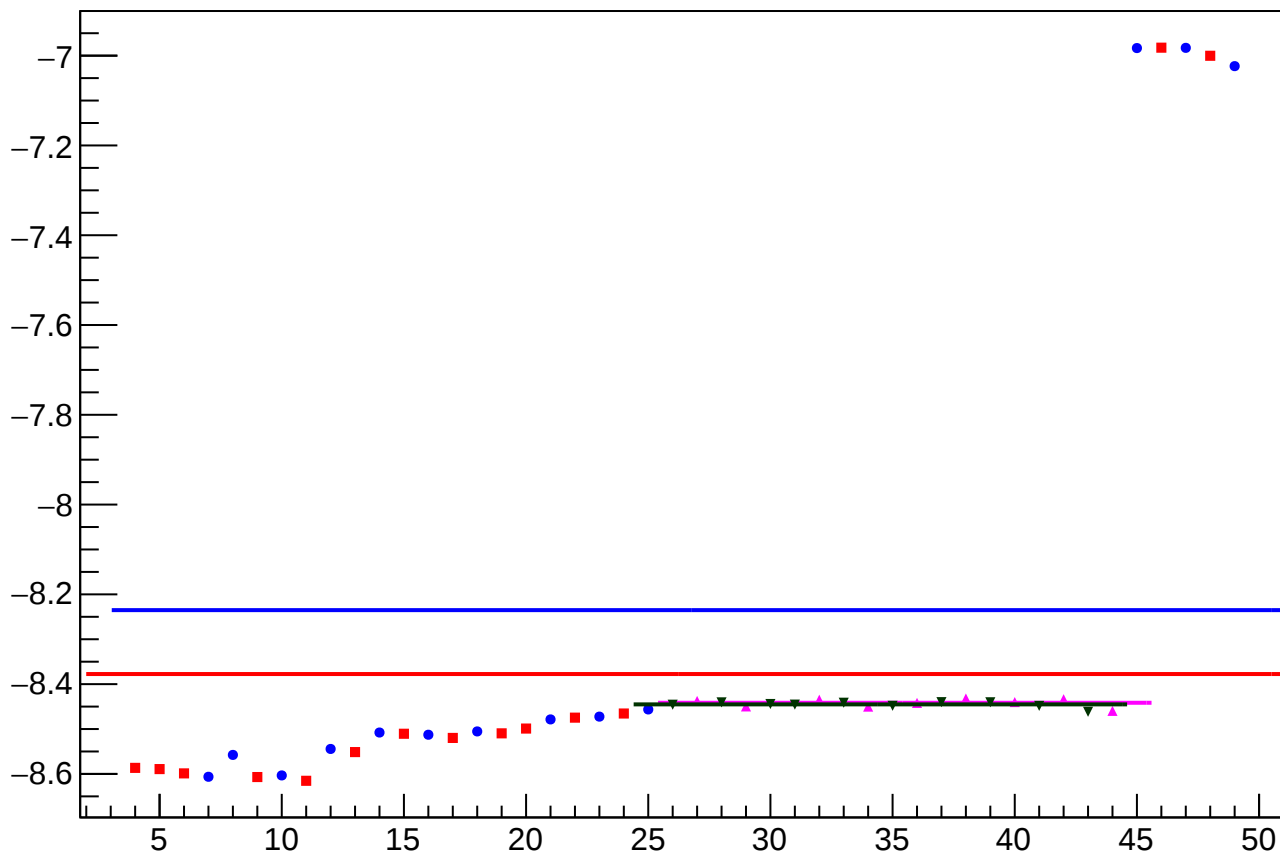
0.008 ± 0.000 χ^2/NDF : 211704.9/22

Right Out: 0.007 ± 0.000 χ^2/NDF : 72319.4/13

0.007 ± 0.000 χ^2/NDF : 145851.6/22

Left In: 0.008 ± 0.000 χ^2/NDF : 26175.0/8

yield_bpm2i01Y_mean vs slug



Right In: -8.235+/-0.000 χ^2/NDF : 63346459445.8/12

Left Out: -8.445+/-0.000 χ^2/NDF : 3367094.4/9

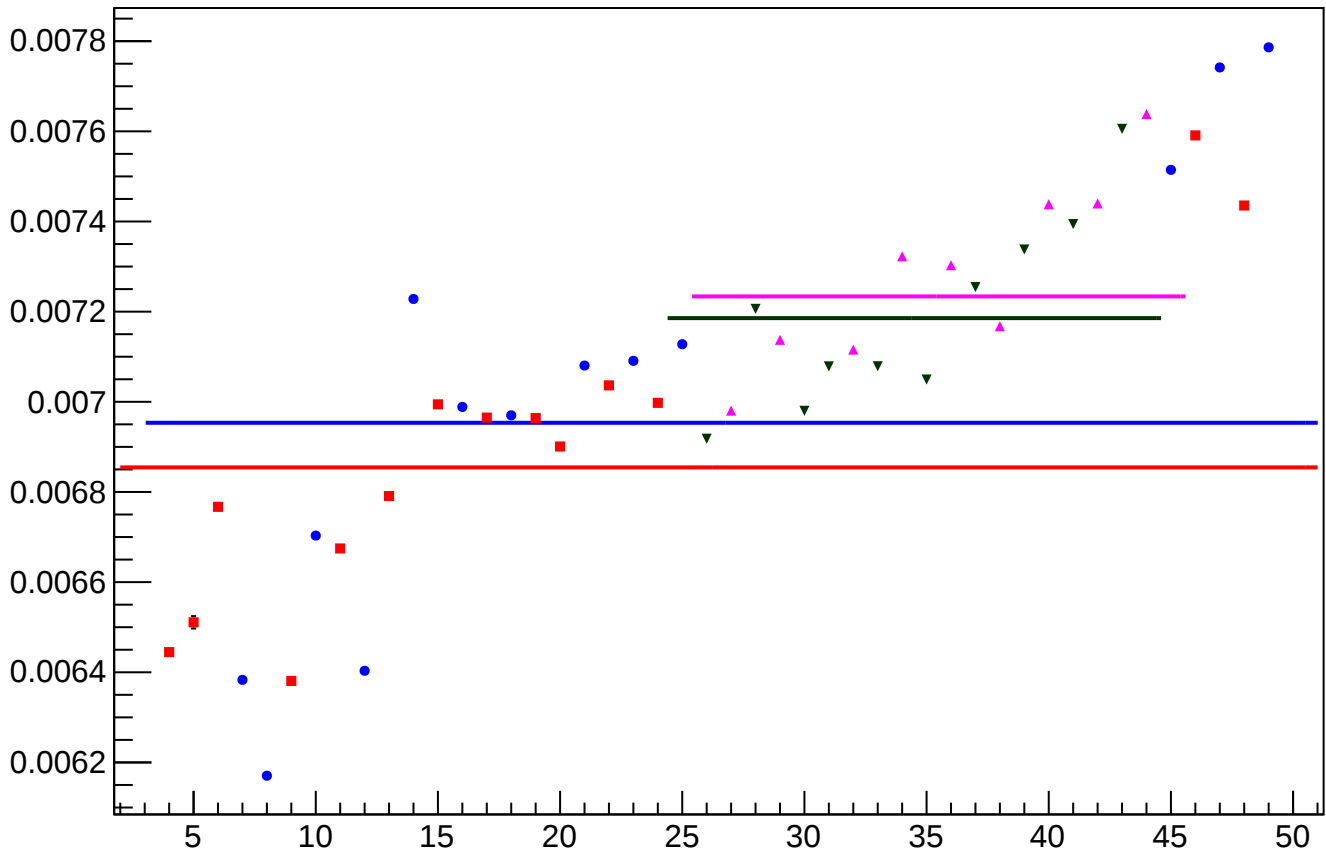
Right Out: -8.377+/-0.000 χ^2/NDF : 37476581505.2/13

Left In: -8.441+/-0.000 χ^2/NDF : 7266938.1/8

-8.314+/-0.000 χ^2/NDF : 66210990298.1/22

-8.404+/-0.000 χ^2/NDF : 37744891652.4/22

yield_bpm2i01Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 85409.2/12

Left Out: 0.007+/-0.000 χ^2/NDF : 7631.6/9

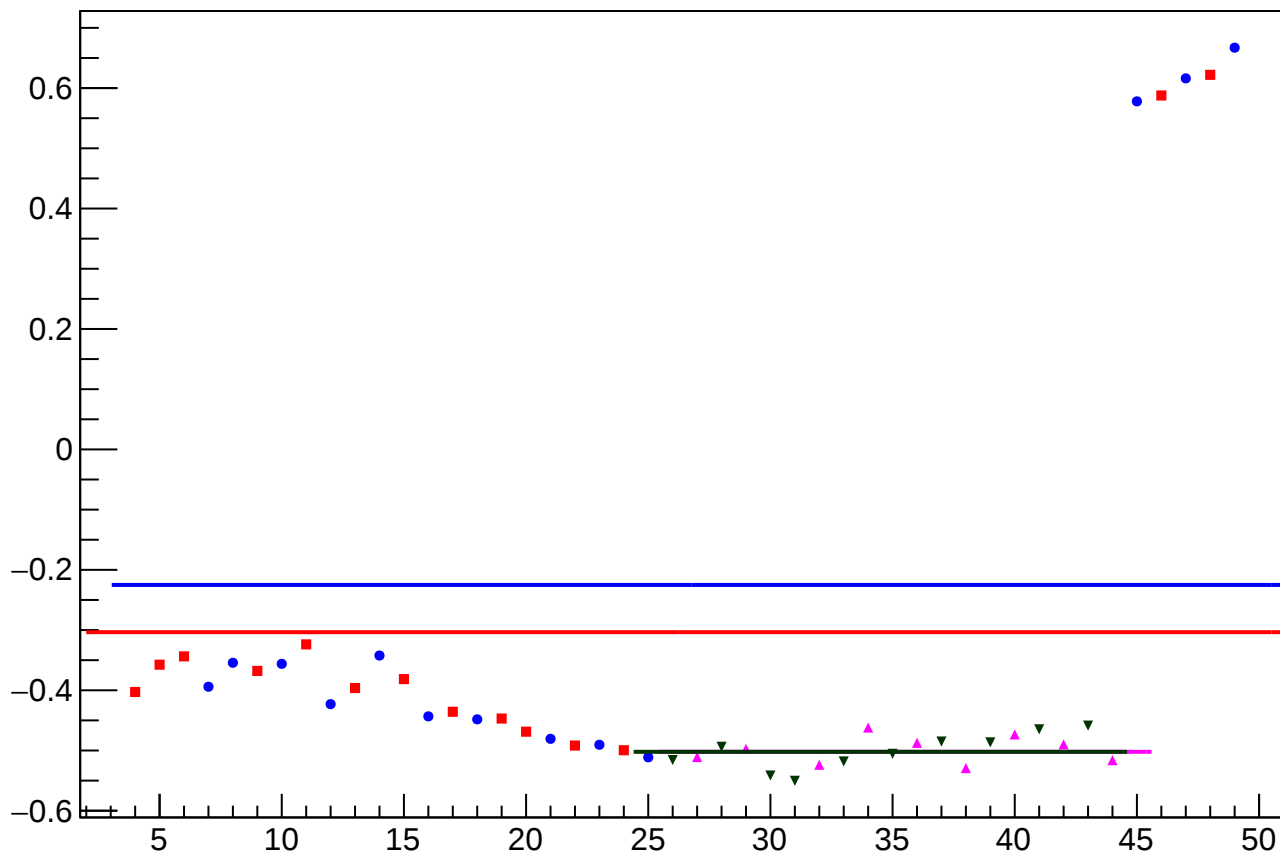
Right Out: 0.007+/-0.000 χ^2/NDF : 30870.0/13

Left In: 0.007+/-0.000 χ^2/NDF : 7802.2/8

0.007+/-0.000 χ^2/NDF : 100038.1/22

0.007+/-0.000 χ^2/NDF : 57006.7/22

yield_bpm2i02X_mean vs slug



Right In: -0.225+/-0.000 χ^2/NDF : 3913211269.1/12

Left Out: -0.502+/-0.000 χ^2/NDF : 9337230.3/9

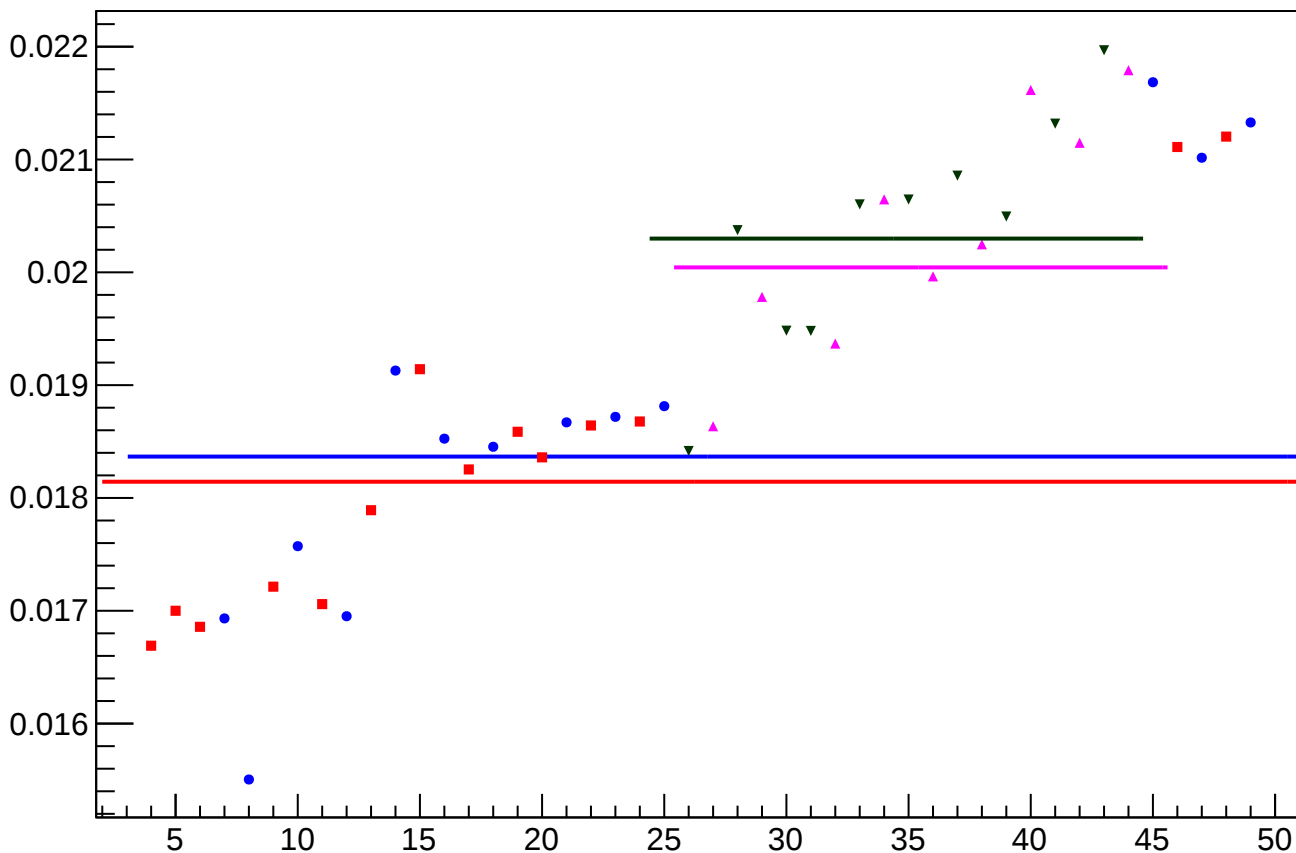
Right Out: -0.304+/-0.000 χ^2/NDF : 2061815733.4/13

Left In: -0.502+/-0.000 χ^2/NDF : 5607835.8/8

-0.320+/-0.000 χ^2/NDF : 4568831037.2/22

-0.380+/-0.000 χ^2/NDF : 2402544152.0/22

yield_bpm2i02X_rms vs slug



Right In: 0.018+/-0.000 χ^2/NDF : 159579.7/12

Left Out: 0.020+/-0.000 χ^2/NDF :22702.3/9

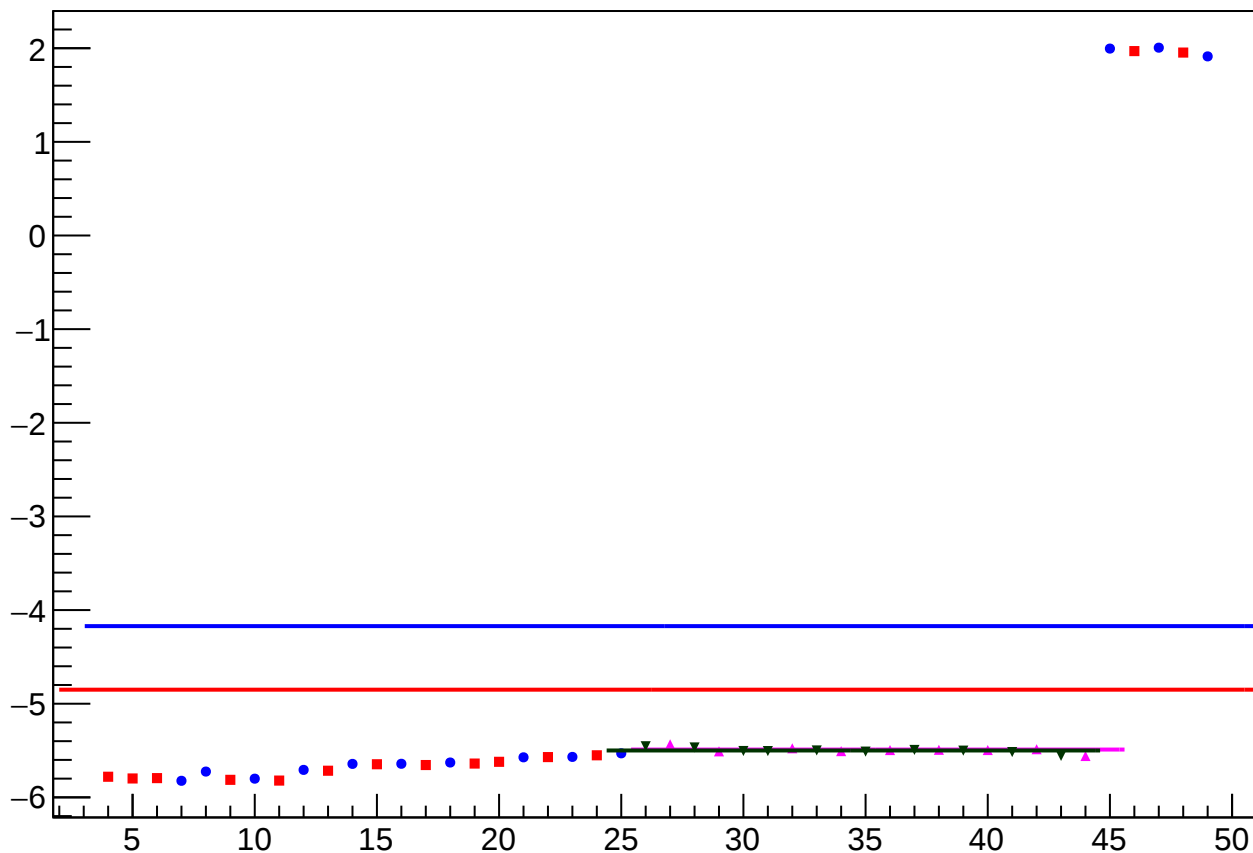
0.019+/-0.000 χ^2/NDF : 245120.4/22

Right Out: 0.018+/-0.000 χ^2/NDF : 68737.9/13

0.019+/-0.000 χ^2/NDF : 157348.9/22

Left In: 0.020+/-0.000 χ^2/NDF :27295.1/8

yield_bpm2i02Y_mean vs slug



Right In: -4.171+/-0.000 χ^2/NDF : 526100584948.2/12

Left Out: -5.499+/-0.000 χ^2/NDF : 23863148.1/9

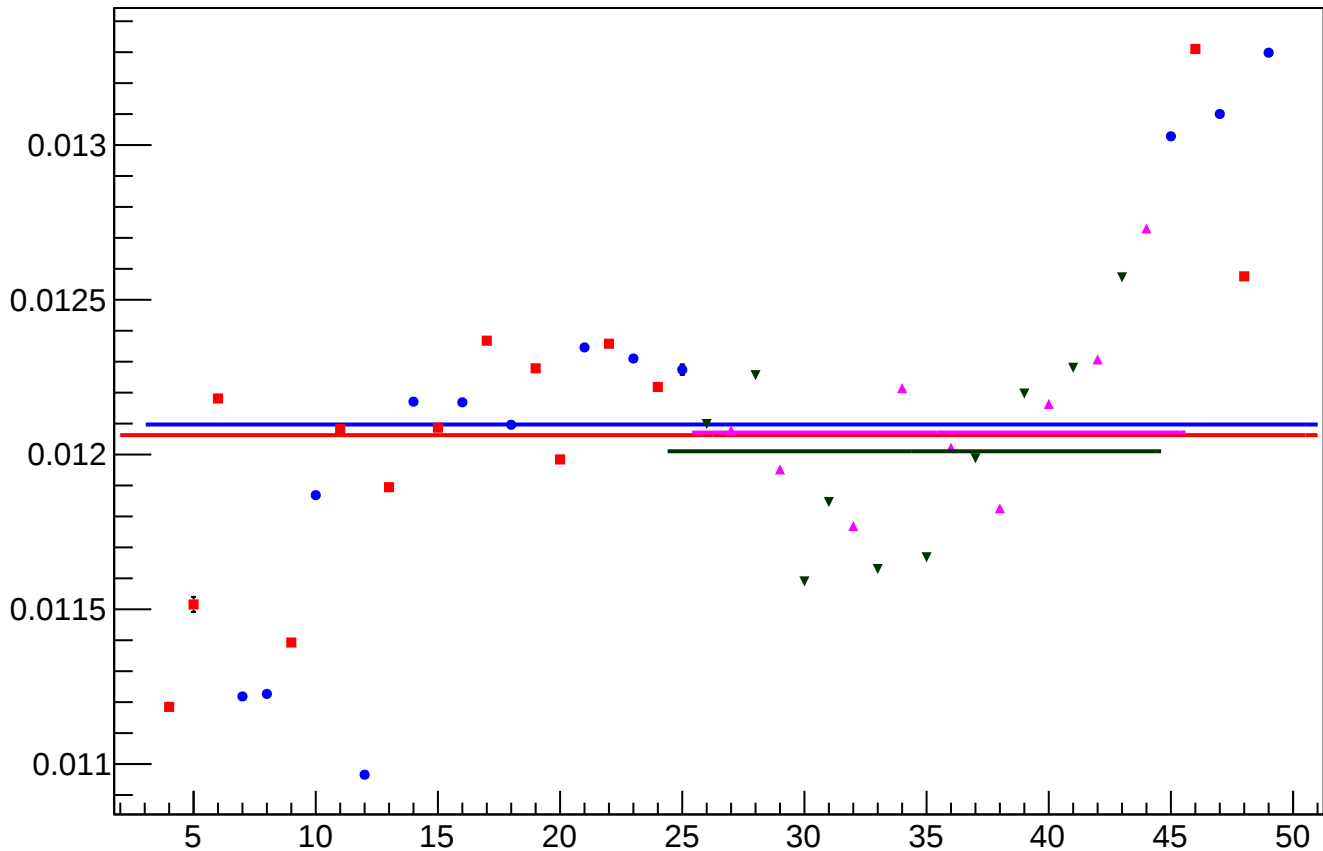
Right Out: -4.850+/-0.000 χ^2/NDF : 292078997152.0/13

Left In: -5.490+/-0.000 χ^2/NDF : 37957034.6/8

-4.694+/-0.000 χ^2/NDF : 565797590725.3/22

-5.129+/-0.000 χ^2/NDF : 301030585997.2/22

yield_bpm2i02Y_rms vs slug



Right In: 0.012 ± 0.000 χ^2/NDF : 54477.5/12

Left Out: 0.012 ± 0.000 χ^2/NDF : 6913.8/9

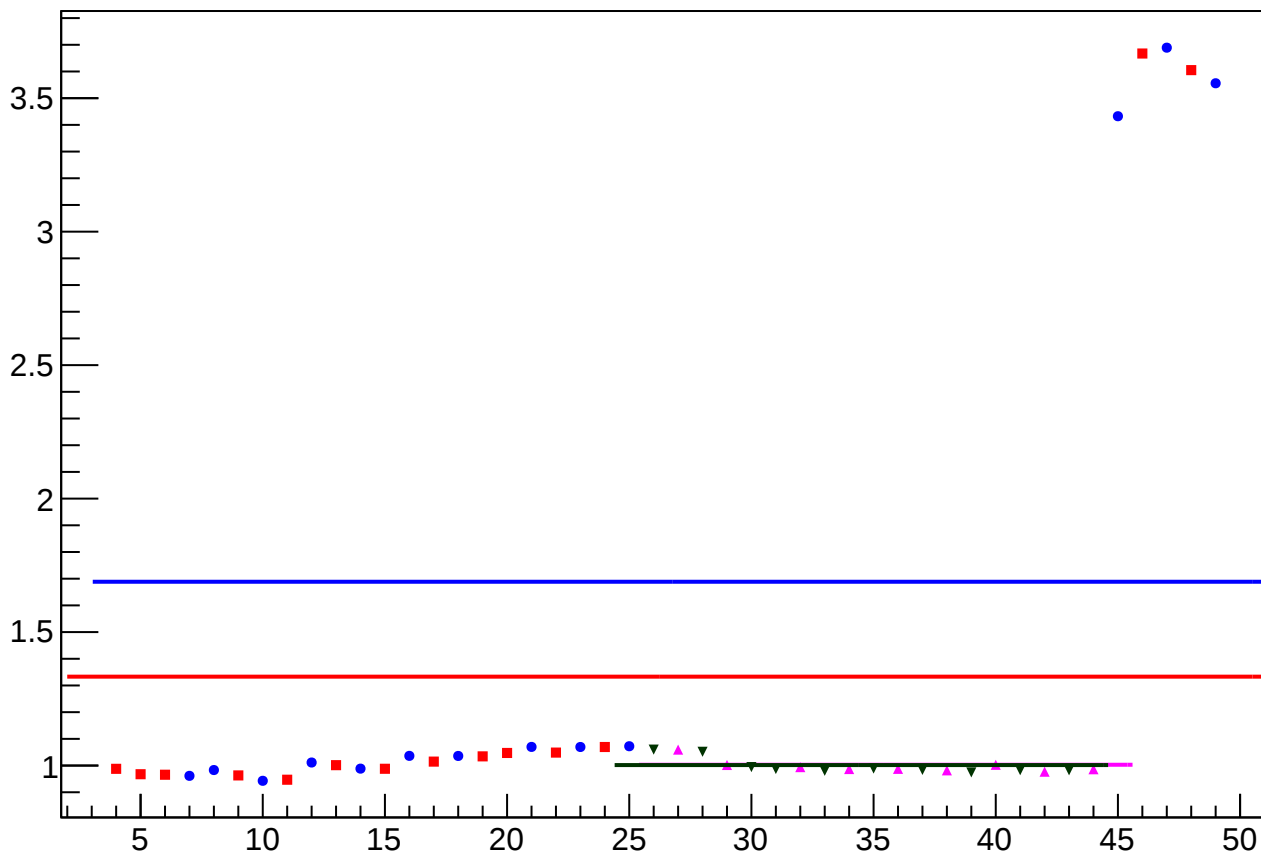
0.012 ± 0.000 χ^2/NDF : 61728.1/22

Right Out: 0.012 ± 0.000 χ^2/NDF : 22260.9/13

0.012 ± 0.000 χ^2/NDF : 27394.2/22

Left In: 0.012 ± 0.000 χ^2/NDF : 5130.3/8

yield_bpm1i04X_mean vs slug



Right In: 1.689+/-0.000 χ^2/NDF : 176866163212.2/12

Left Out: 1.002+/-0.000 χ^2/NDF : 93267140.0/9

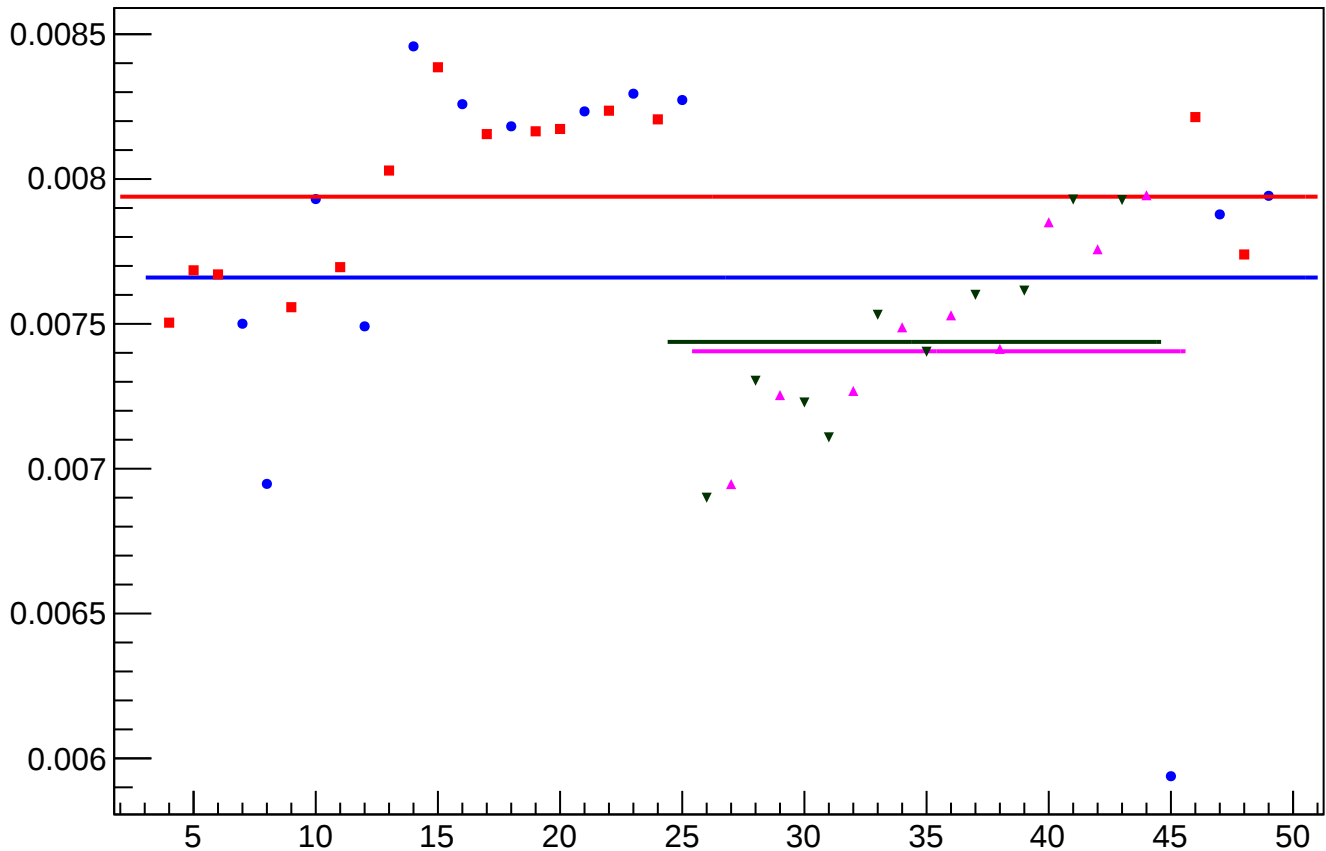
1.411+/-0.000 χ^2/NDF : 203823764179.3/22

Right Out: 1.333+/-0.000 χ^2/NDF : 88871442619.1/13

1.179+/-0.000 χ^2/NDF : 94818141503.5/22

Left In: 1.003+/-0.000 χ^2/NDF : 73816796.1/8

yield_bpm1i04X_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 170159.2/12

Left Out: 0.007+/-0.000 χ^2/NDF :18100.0/9

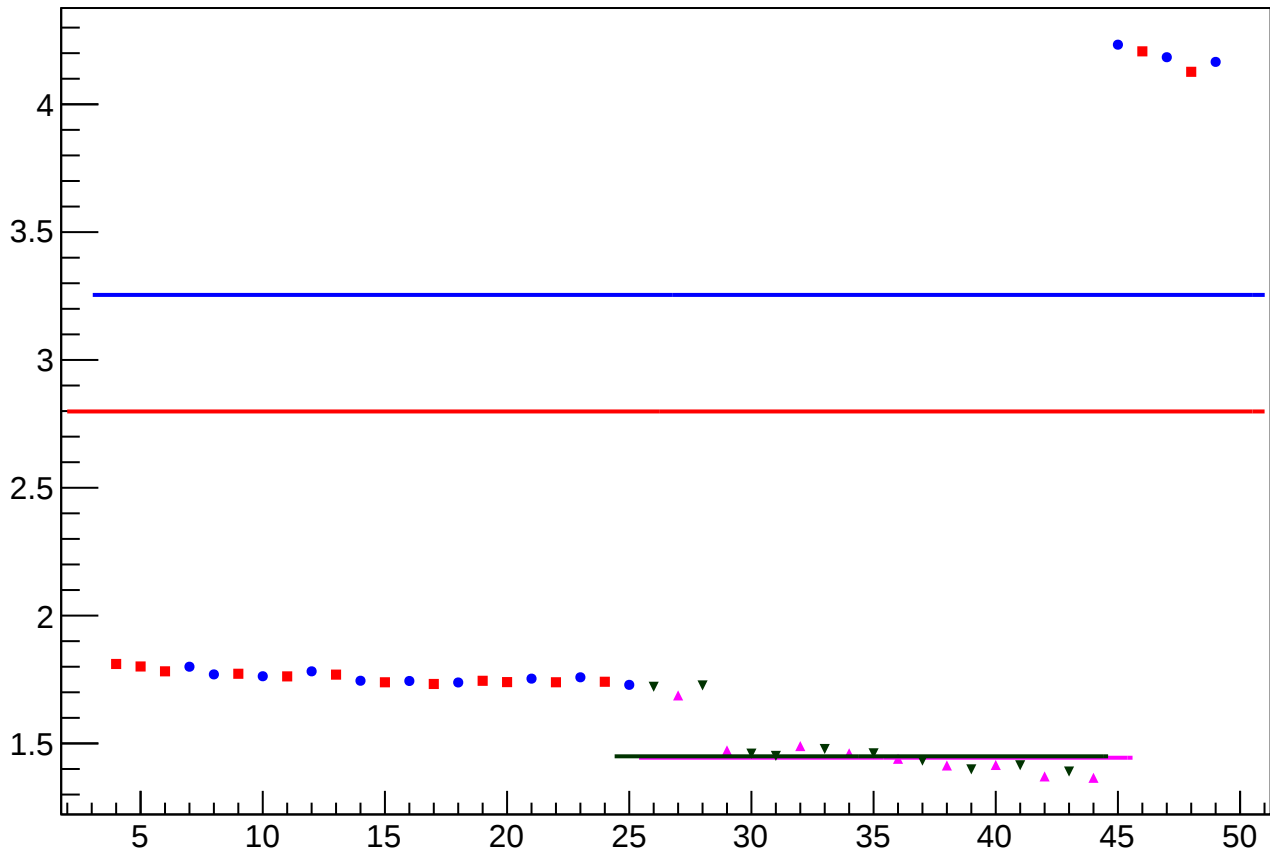
Right Out: 0.008+/-0.000 χ^2/NDF : 19082.4/13

Left In: 0.007+/-0.000 χ^2/NDF :18945.2/8

0.008+/-0.000 χ^2/NDF : 193884.7/22

0.008+/-0.000 χ^2/NDF : 68744.2/22

yield_bpm1i04Y_mean vs slug



Right In: 3.254+/-0.000 χ^2/NDF : 376433218233.7/12

Left Out: 1.450+/-0.000 χ^2/NDF : 719591225.9/9

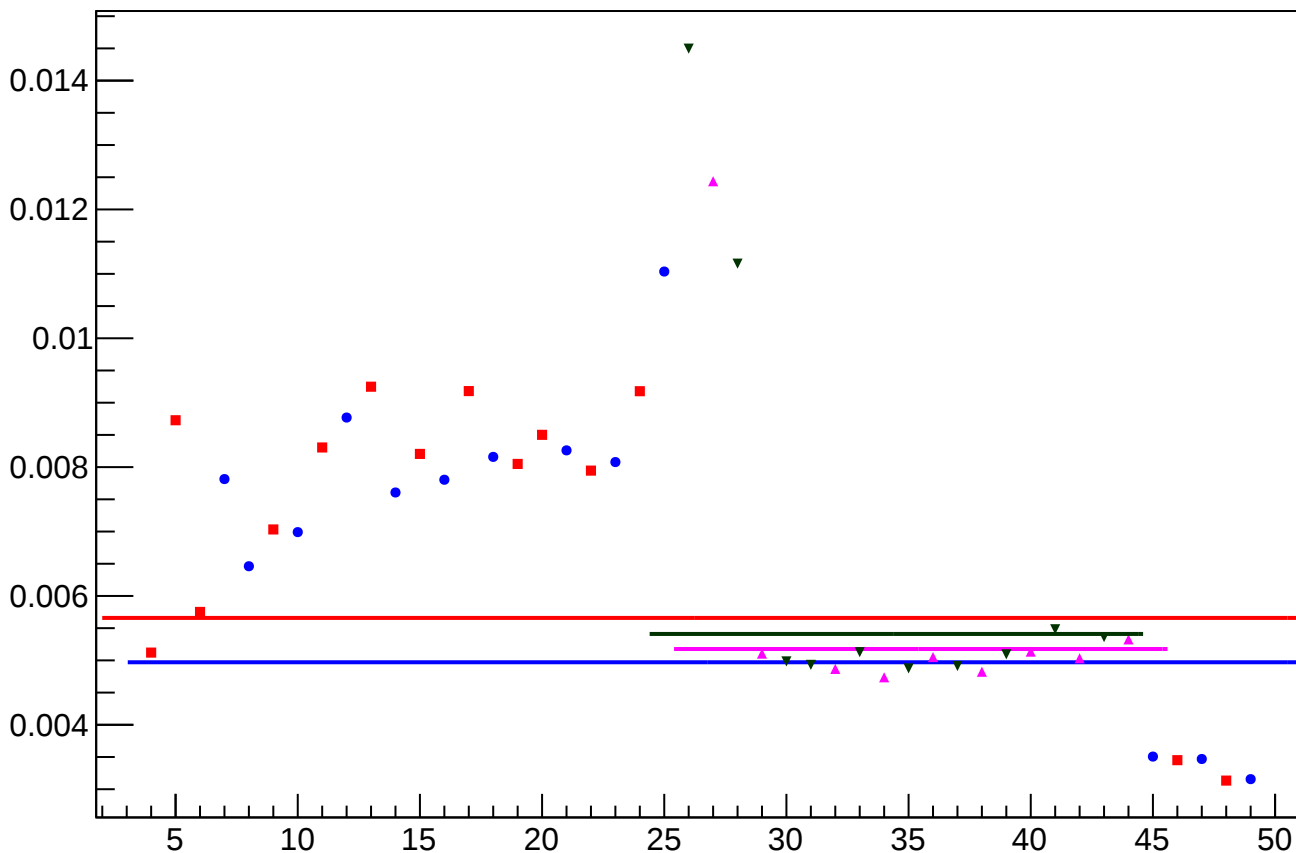
2.583+/-0.000 χ^2/NDF : 703502835628.7/22

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: 0.005+/-0.000 χ^2/NDF : 2524644.4/12

Left Out: 0.005+/-0.000 χ^2/NDF : 753040.6/9

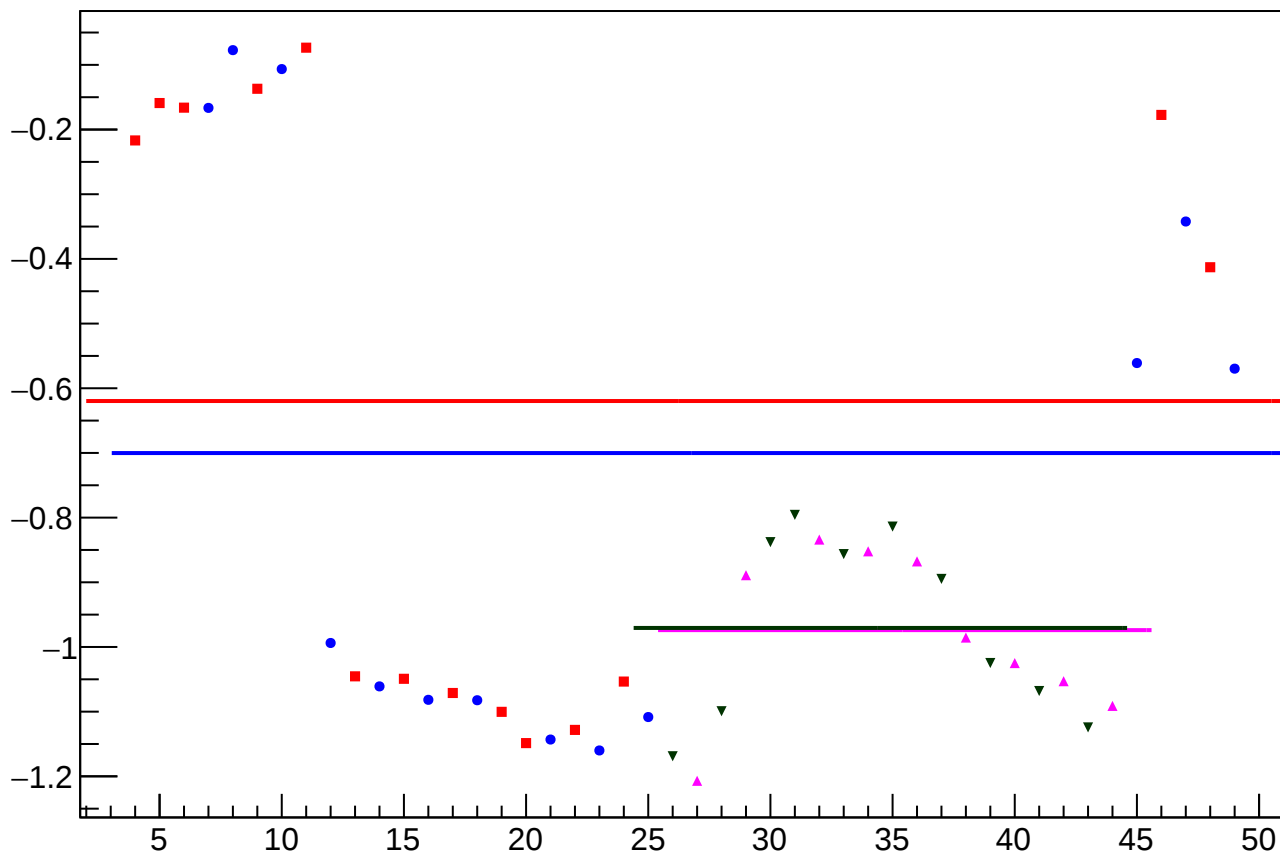
Right Out: 0.006+/-0.000 χ^2/NDF : 2049181.8/13

Left In: 0.005+/-0.000 χ^2/NDF : 514197.3/8

0.005+/-0.000 χ^2/NDF : 3316415.6/22

0.005+/-0.000 χ^2/NDF : 2606725.3/22

yield_bpm0l01X_mean vs slug



Right In: -0.700 ± 0.000 χ^2/NDF : 18593256920.6/12

Left Out: -0.971 ± 0.000 χ^2/NDF : 1156218036.6/9

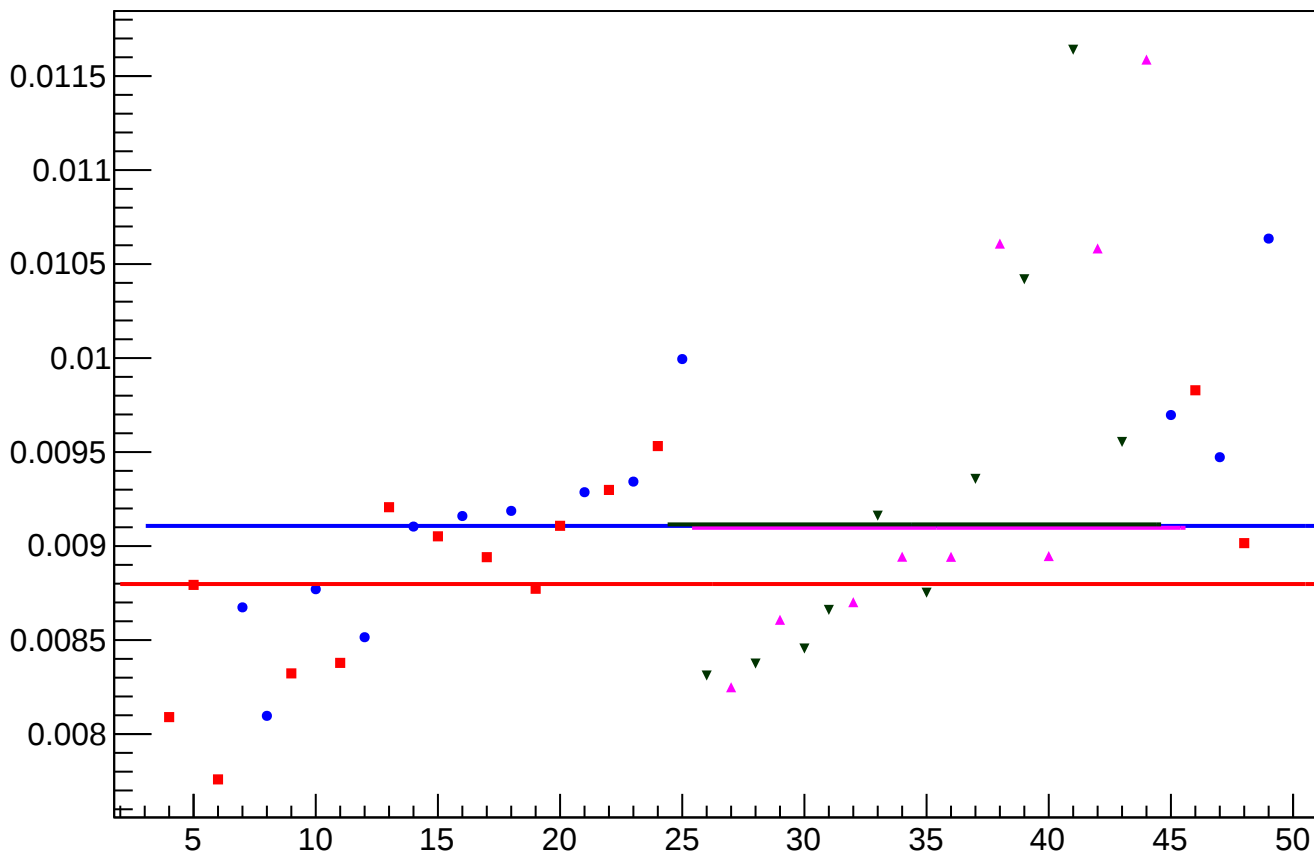
Right Out: -0.620 ± 0.000 χ^2/NDF : 19143010403.8/13

Left In: -0.974 ± 0.000 χ^2/NDF : 1225322966.4/8

-0.804 ± 0.000 χ^2/NDF : 22534126909.1/22

-0.768 ± 0.000 χ^2/NDF : 25207773311.4/22

yield_bpm0l01X_rms vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 82623.1/12

Left Out: 0.009+/-0.000 χ^2/NDF :104201.5/9

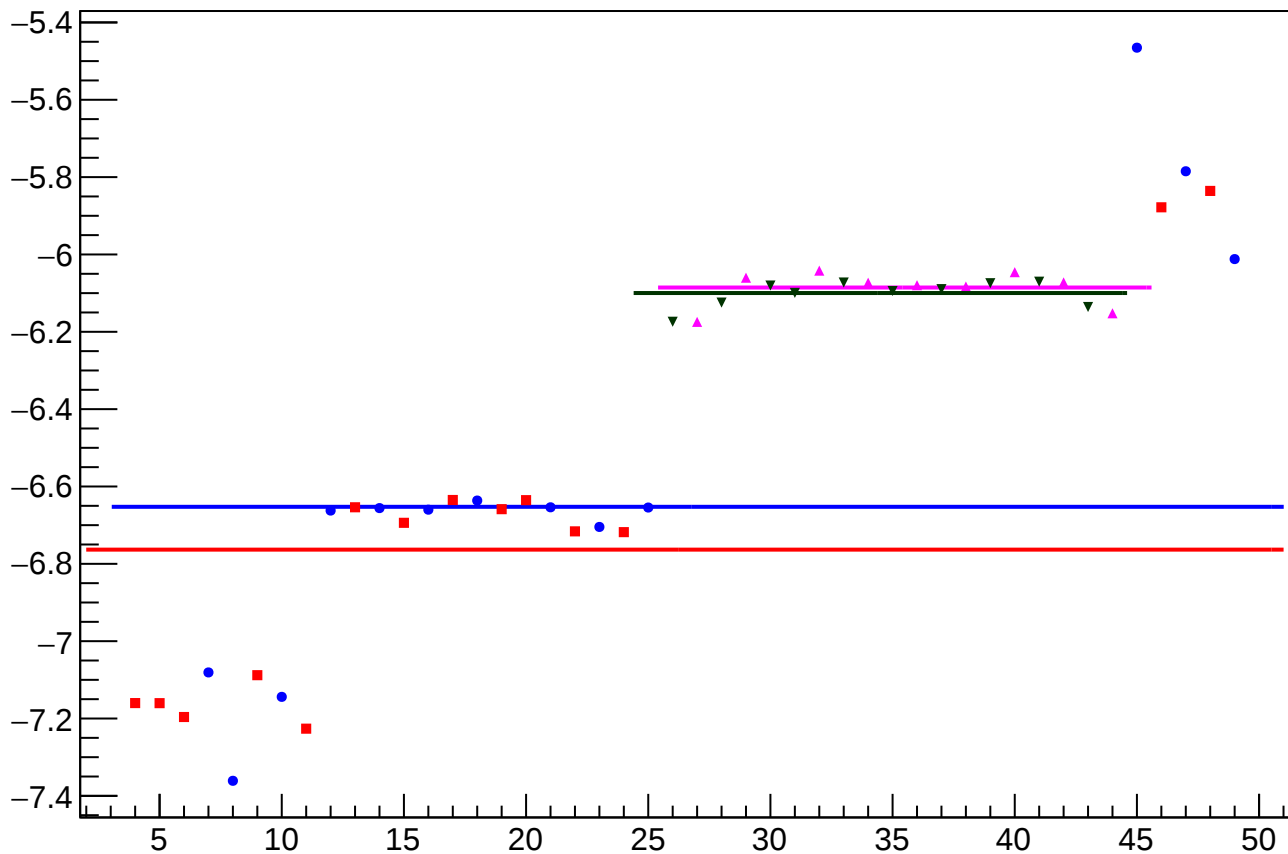
Right Out: 0.009+/-0.000 χ^2/NDF : 60081.3/13

Left In: 0.009+/-0.000 χ^2/NDF :115547.6/8

0.009+/-0.000 χ^2/NDF : 186829.6/22

0.009+/-0.000 χ^2/NDF : 182530.5/22

yield_bpm0l01Y_mean vs slug



Right In: -6.653+/-0.000 χ^2/NDF : 25642189456.2/12

Left Out: -6.100+/-0.000 χ^2/NDF : 52135577.5/9

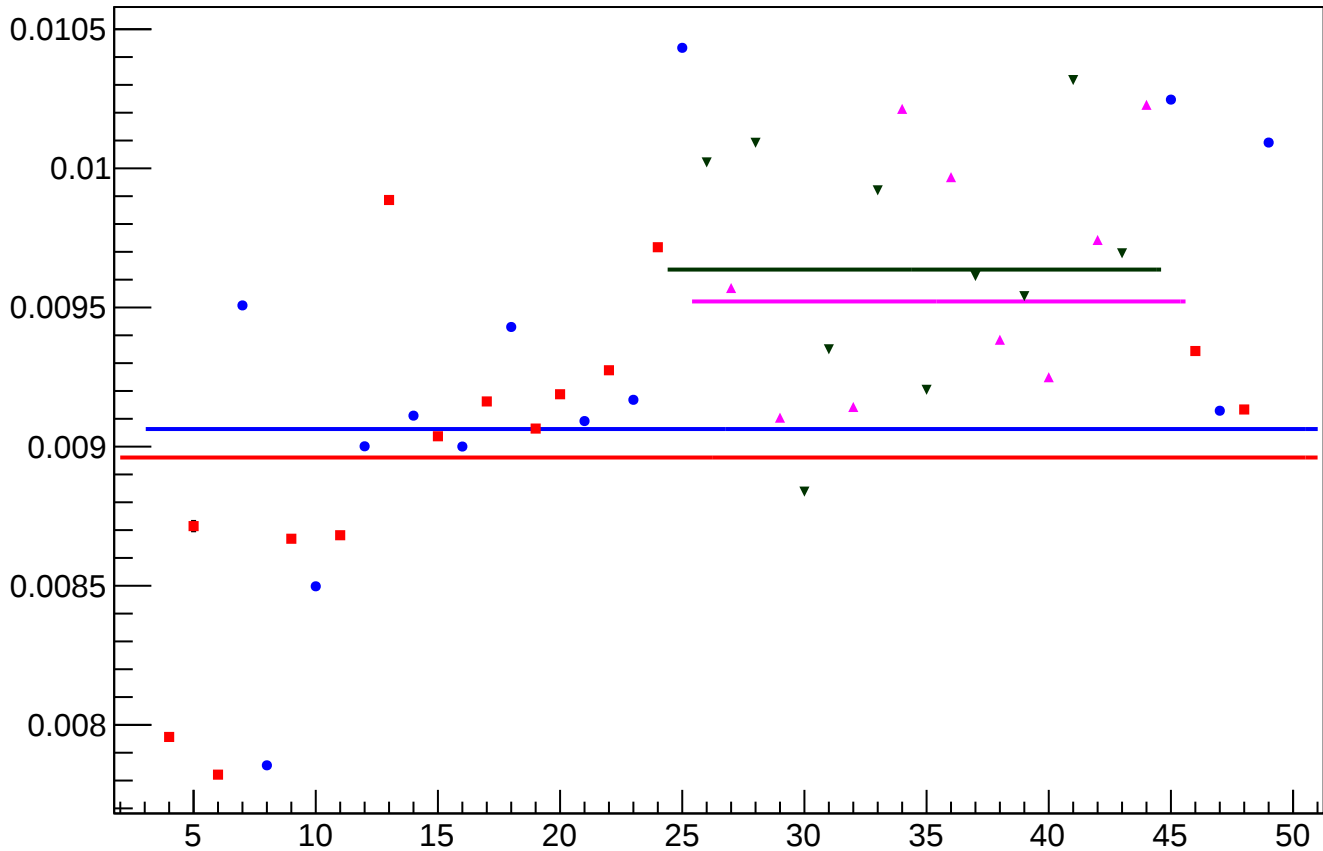
-6.455+/-0.000 χ^2/NDF : 36510720141.3/22

Right Out: -6.763+/-0.000 χ^2/NDF : 15010636756.3/13

-6.487+/-0.000 χ^2/NDF : 31550513748.7/22

Left In: -6.085+/-0.000 χ^2/NDF : 127997791.5/8

yield_bpm0l01Y_rms vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 92502.3/12

Left Out: 0.010+/-0.000 χ^2/NDF :21331.0/9

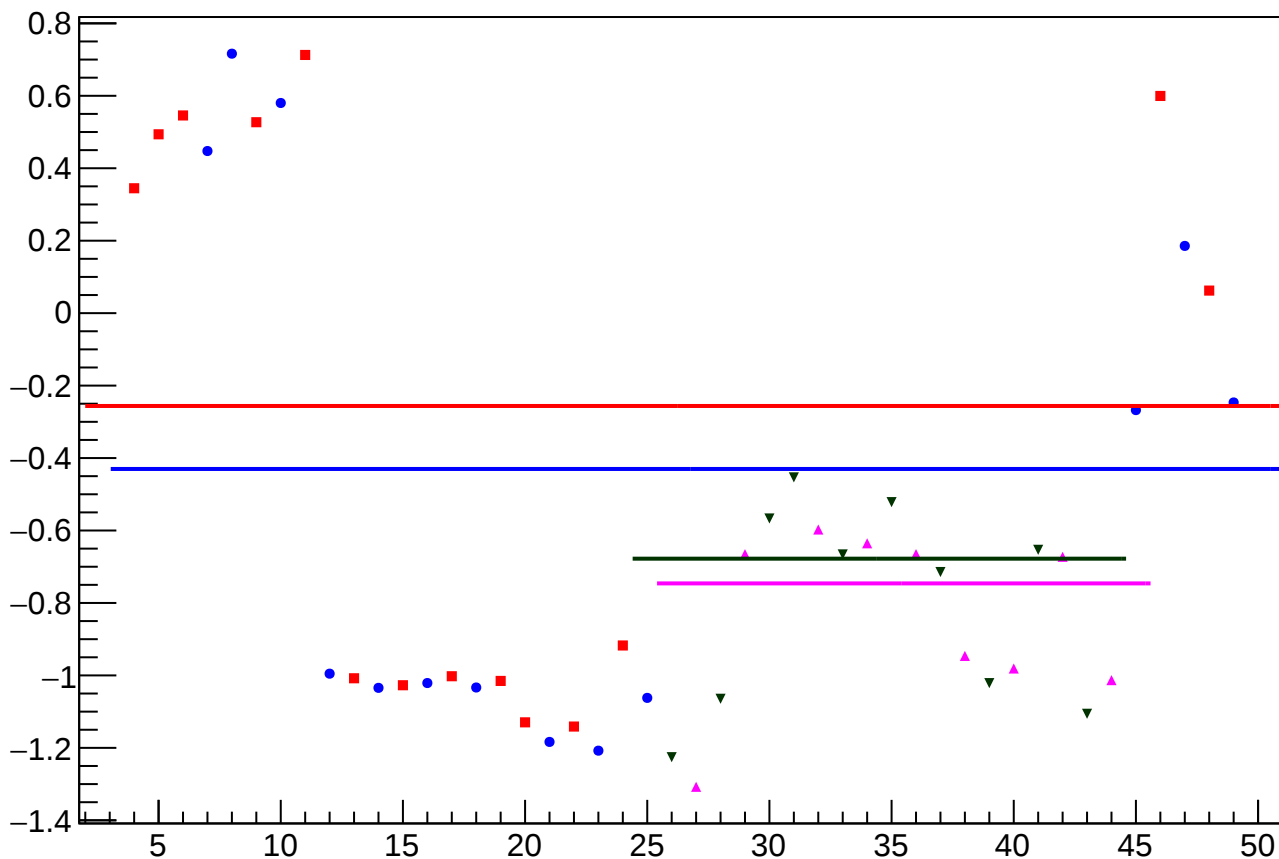
Right Out: 0.009+/-0.000 χ^2/NDF : 63375.5/13

Left In: 0.010+/-0.000 χ^2/NDF :19294.1/8

0.009+/-0.000 χ^2/NDF : 137079.2/22

0.009+/-0.000 χ^2/NDF : 105139.7/22

yield_bpm0l02X_mean vs slug



Right In: -0.430 ± 0.000 χ^2/NDF : 9917426971.3/12

Left Out: -0.678 ± 0.000 χ^2/NDF : 1358570765.2/9

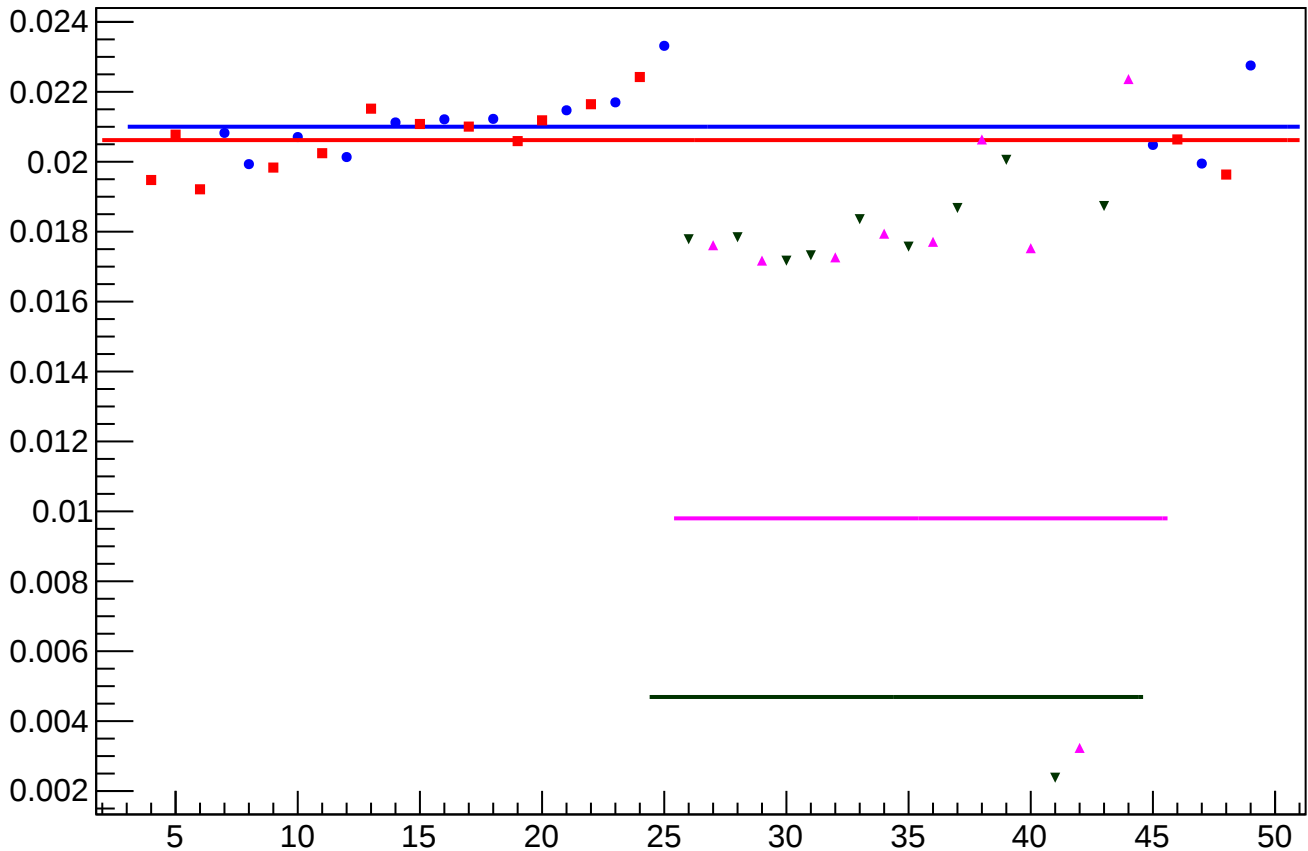
-0.637 ± 0.000 χ^2/NDF : 12240286622.3/22

Right Out: -0.256 ± 0.000 χ^2/NDF : 10095052786.5/13

-0.585 ± 0.000 χ^2/NDF : 14092317783.9/22

Left In: -0.746 ± 0.000 χ^2/NDF : 1268707812.5/8

yield_bpm0l02X_rms vs slug



Right In: 0.021+/-0.000 χ^2/NDF : 28410.1/12

Left Out: 0.005+/-0.000 χ^2/NDF : 5998219.6/9

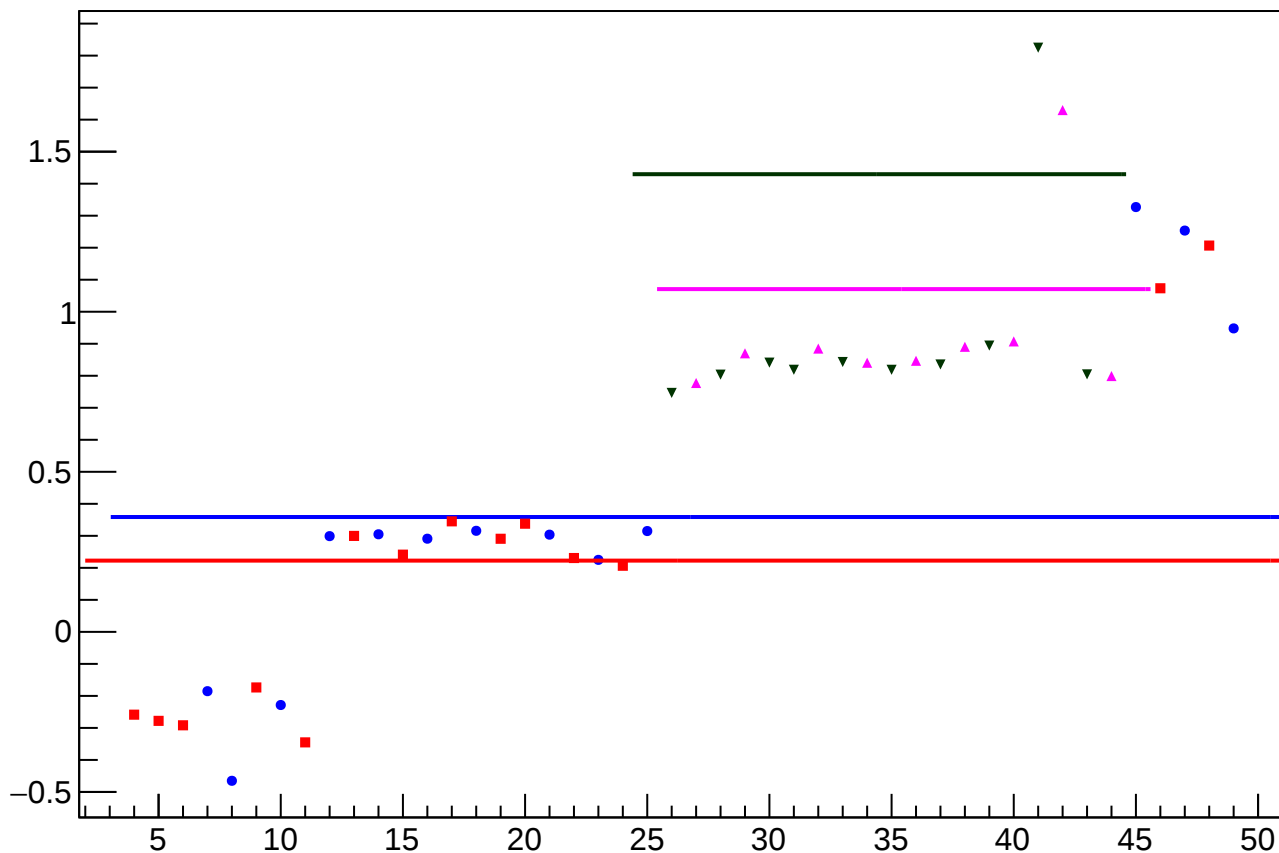
Right Out: 0.021+/-0.000 χ^2/NDF : 28048.3/13

Left In: 0.010+/-0.000 χ^2/NDF : 3818425.7/8

0.007+/-0.000 χ^2/NDF : 14394580.8/22

0.013+/-0.000 χ^2/NDF : 6509671.9/22

yield_bpm0l02Y_mean vs slug



Right In: 0.359 ± 0.000 χ^2/NDF : 14763340600.1/12

Left Out: 1.430 ± 0.000 χ^2/NDF : 20131817794.8/9

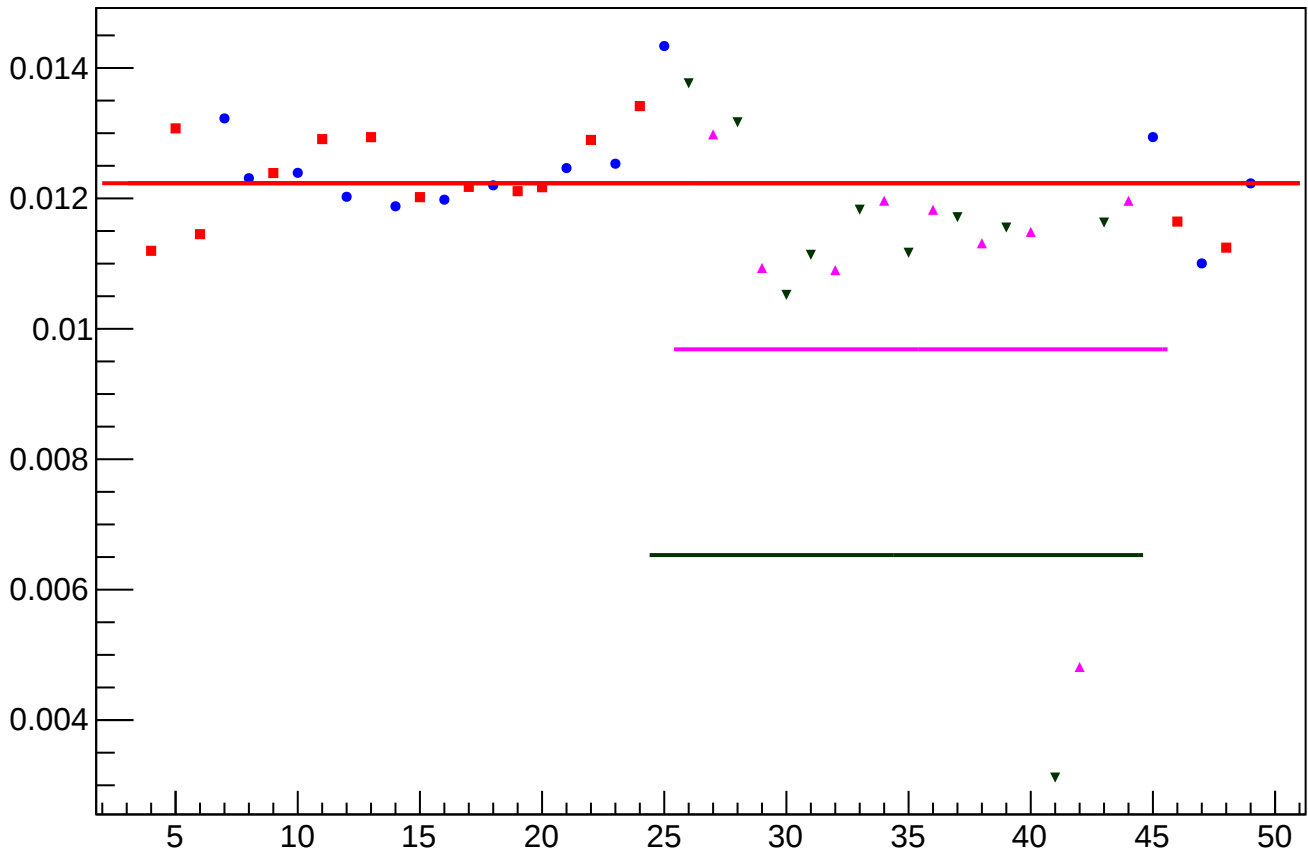
Right Out: 0.223 ± 0.000 χ^2/NDF : 10222172098.9/13

Left In: 1.071 ± 0.000 χ^2/NDF : 6285541515.9/8

1.008 ± 0.000 χ^2/NDF : 73018319224.9/22

0.665 ± 0.000 χ^2/NDF : 34272850786.3/22

yield_bpm0l02Y_rms vs slug



Right In: 0.012+/-0.000 χ^2/NDF : 33567.6/12

Left Out: 0.007+/-0.000 χ^2/NDF :3050338.6/9

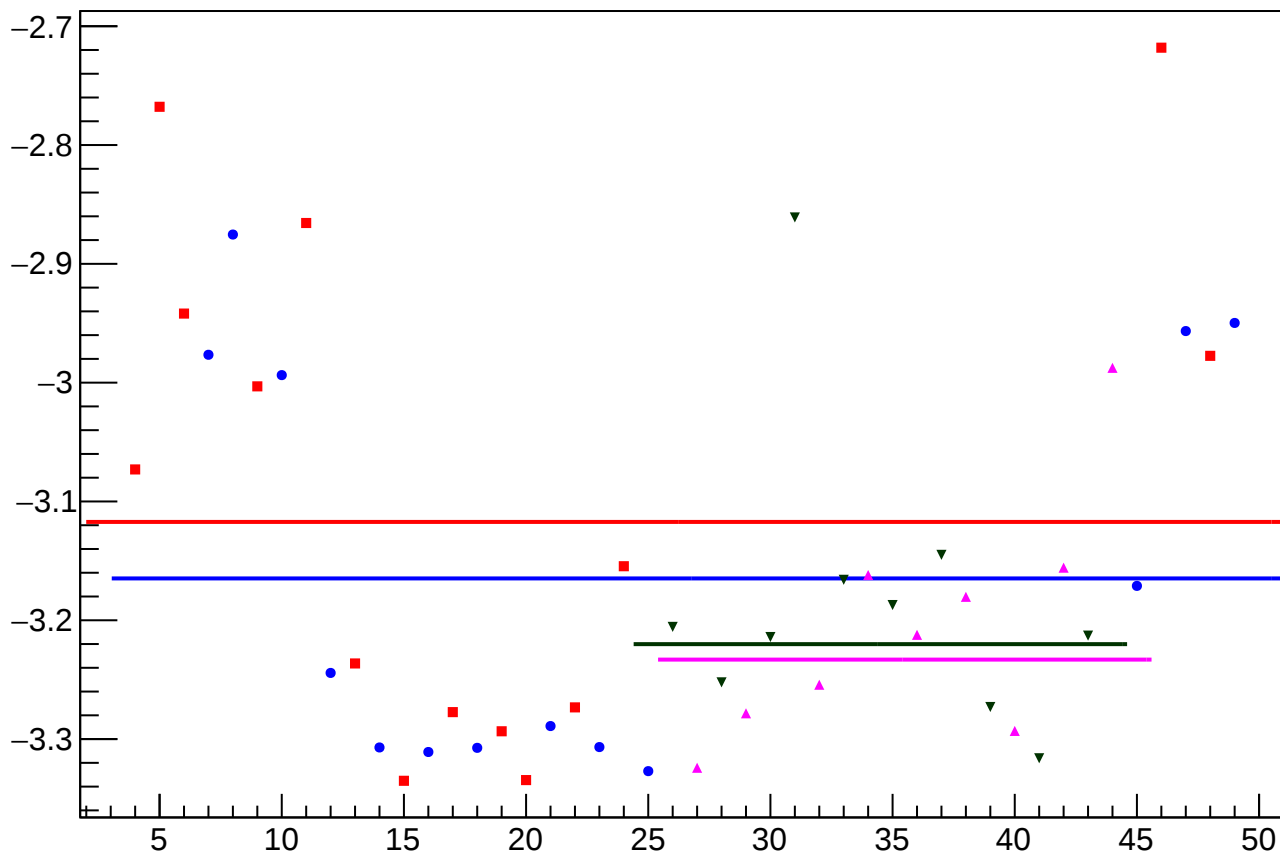
Right Out: 0.012+/-0.000 χ^2/NDF : 42852.6/13

Left In: 0.010+/-0.000 χ^2/NDF :979026.7/8

0.009+/-0.000 χ^2/NDF : 5246316.1/22

0.011+/-0.000 χ^2/NDF : 1342283.6/22

yield_bpm0l03X_mean vs slug



Right In: -3.165 ± 0.000 χ^2/NDF : 3309881311.9/12

Left Out: -3.220 ± 0.000 χ^2/NDF : 428312091.3/9

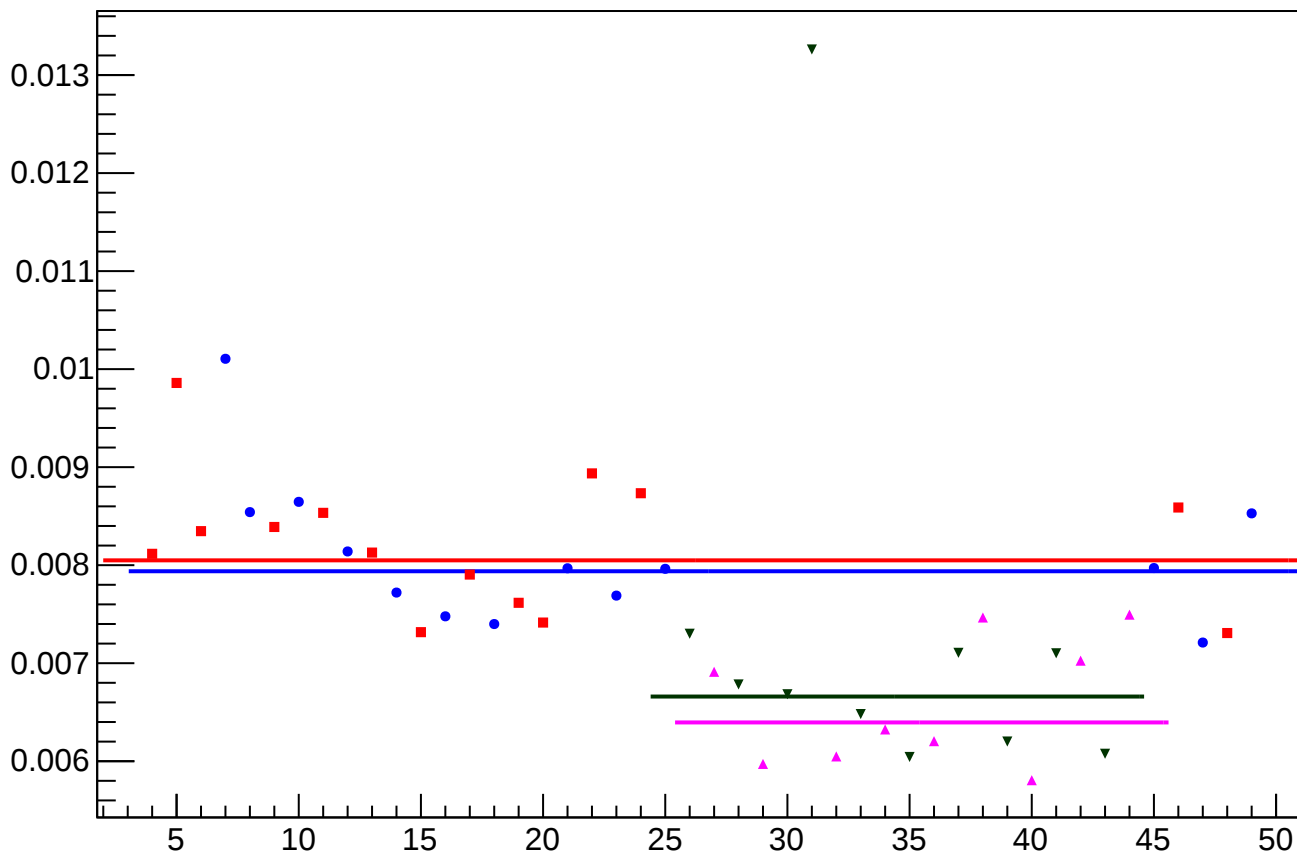
Right Out: -3.117 ± 0.000 χ^2/NDF : 3359268356.8/13

Left In: -3.233 ± 0.000 χ^2/NDF : 784509895.8/8

-3.190 ± 0.000 χ^2/NDF : 3901242929.5/22

-3.182 ± 0.000 χ^2/NDF : 4847239398.4/22

yield_bpm0l03X_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 59682.7/12

Left Out: 0.007+/-0.000 χ^2/NDF : 169219.9/9

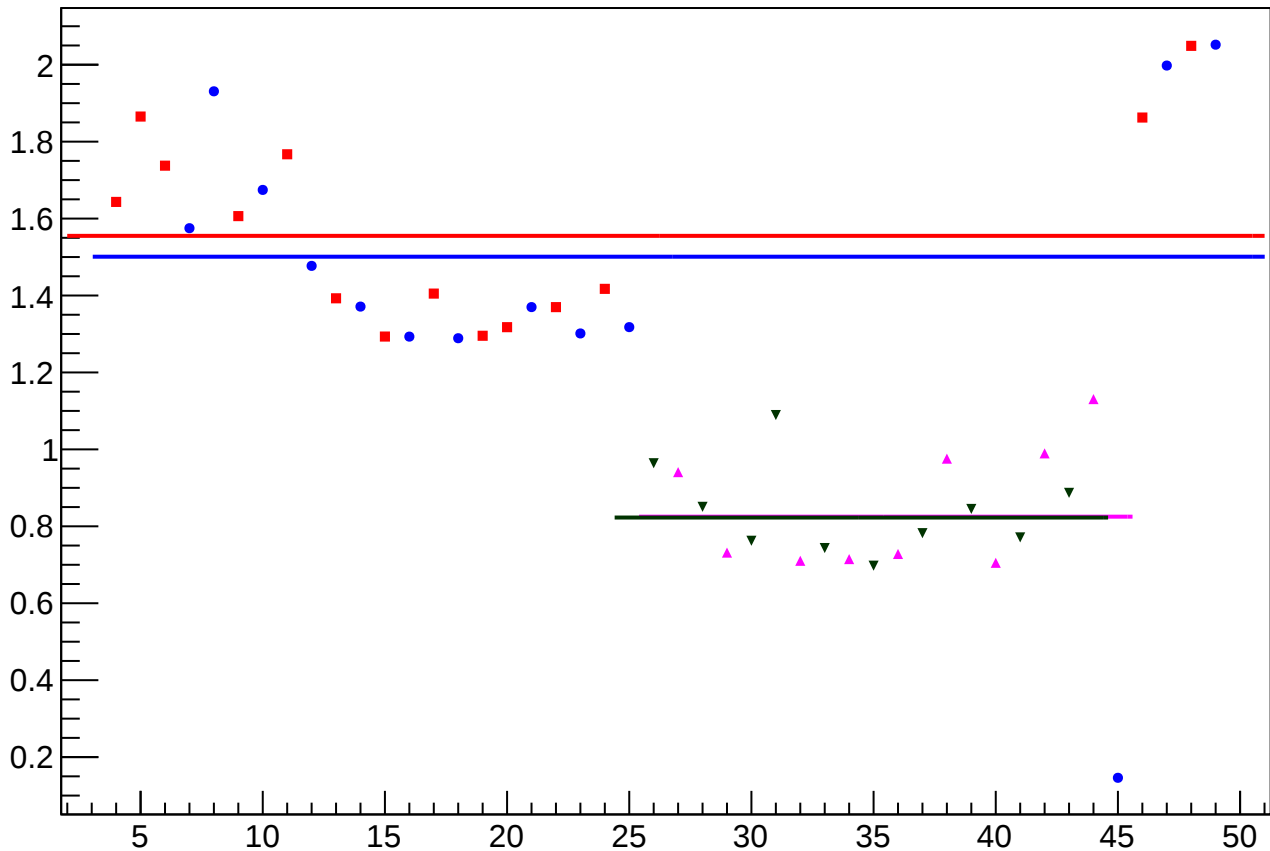
Right Out: 0.008+/-0.000 χ^2/NDF : 54674.6/13

Left In: 0.006+/-0.000 χ^2/NDF : 72293.2/8

0.007+/-0.000 χ^2/NDF : 403070.8/22

0.007+/-0.000 χ^2/NDF : 413465.4/22

yield_bpm0l03Y_mean vs slug



Right In: 1.501+/-0.000 χ^2/NDF : 18704333332.5/12

Left Out: 0.823+/-0.000 χ^2/NDF : 373202951.2/9

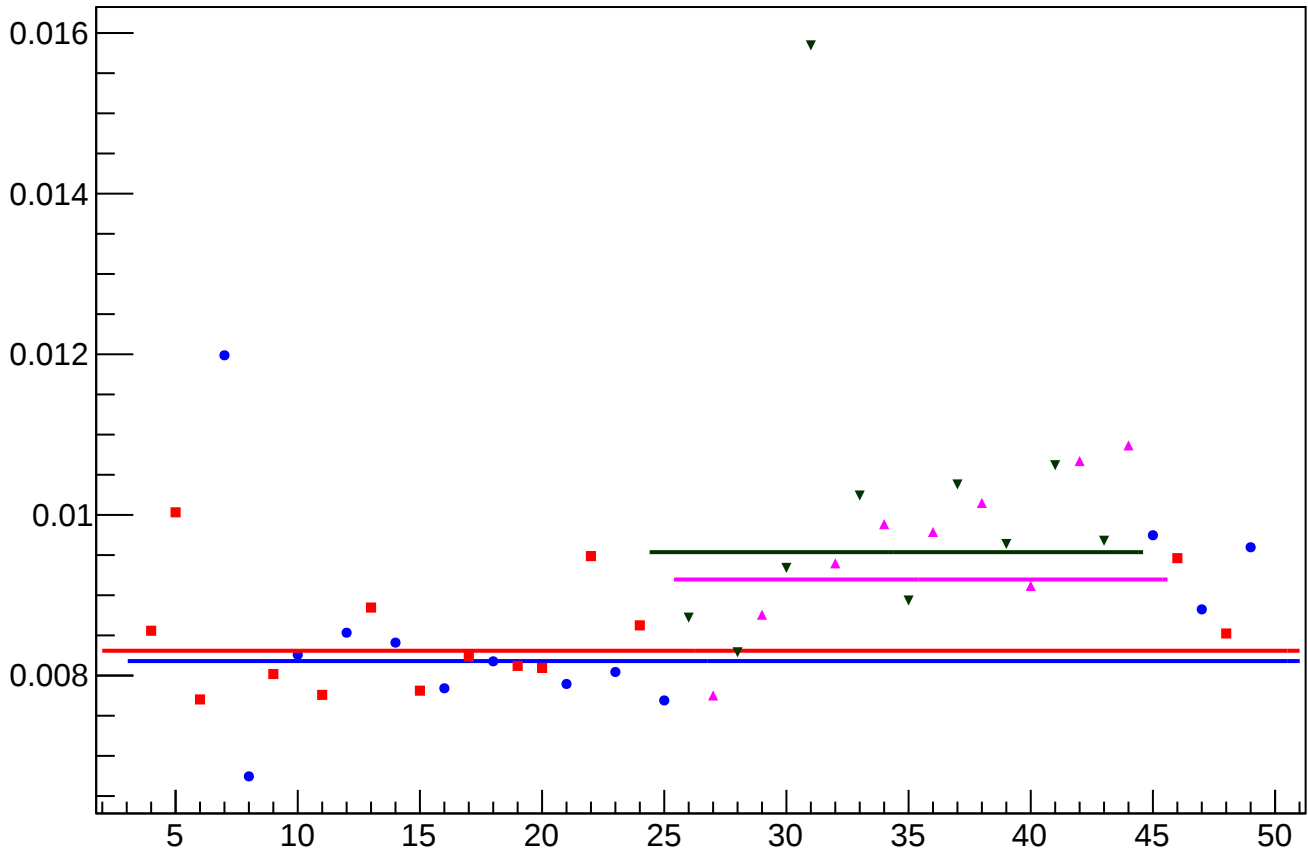
1.290+/-0.000 χ^2/NDF : 34302781729.4/22

Right Out: 1.555+/-0.000 χ^2/NDF : 4654590962.3/13

1.264+/-0.000 χ^2/NDF : 24047975210.1/22

Left In: 0.825+/-0.000 χ^2/NDF : 1054829783.2/8

yield_bpm0l03Y_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 167100.2/12

Left Out: 0.010+/-0.000 χ^2/NDF :144258.2/9

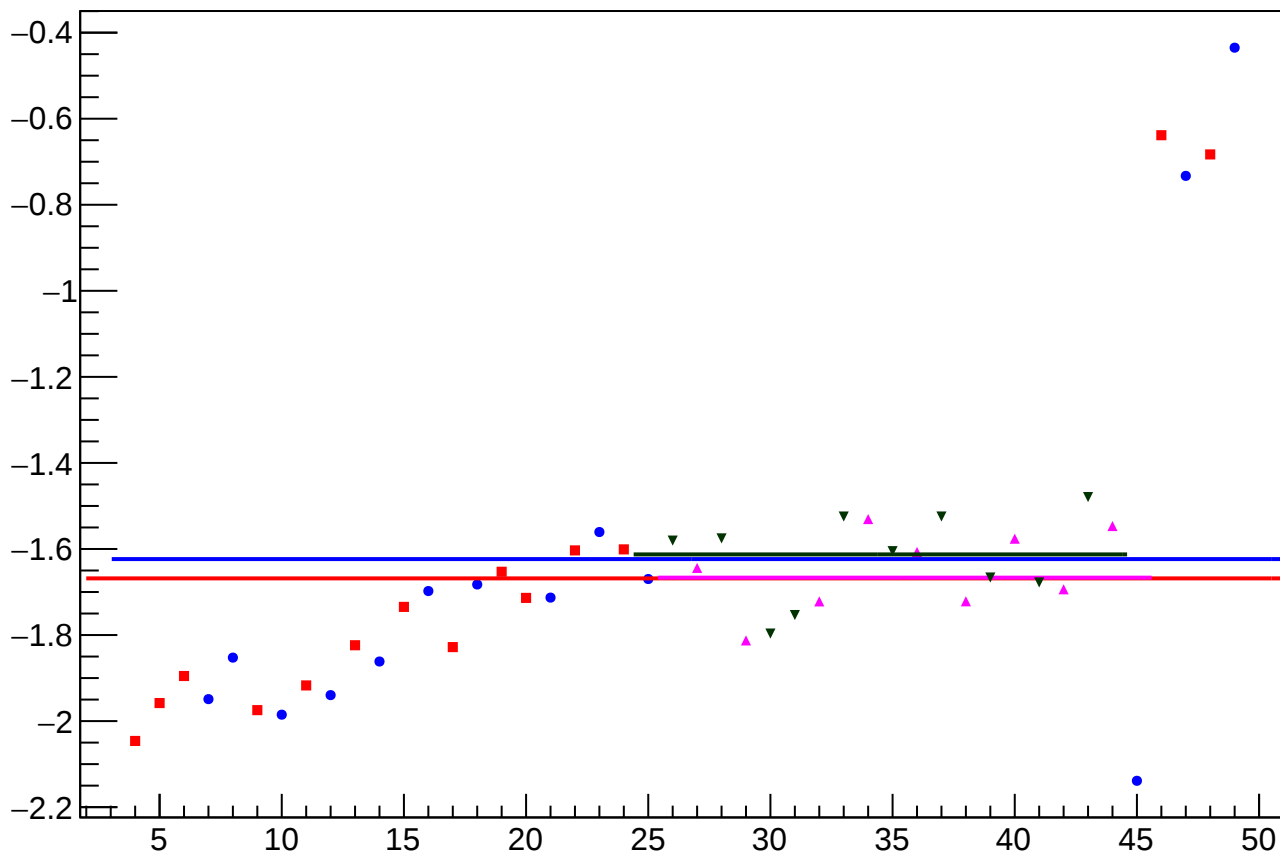
Right Out: 0.008+/-0.000 χ^2/NDF : 51680.8/13

Left In: 0.009+/-0.000 χ^2/NDF :103784.9/8

0.009+/-0.000 χ^2/NDF : 433140.0/22

0.009+/-0.000 χ^2/NDF : 209620.2/22

yield_bpm0l04X_mean vs slug



Right In: -1.623+/-0.000 χ^2/NDF : 15651123653.4/12

Left Out: -1.613+/-0.000 χ^2/NDF : 327148879.4/9

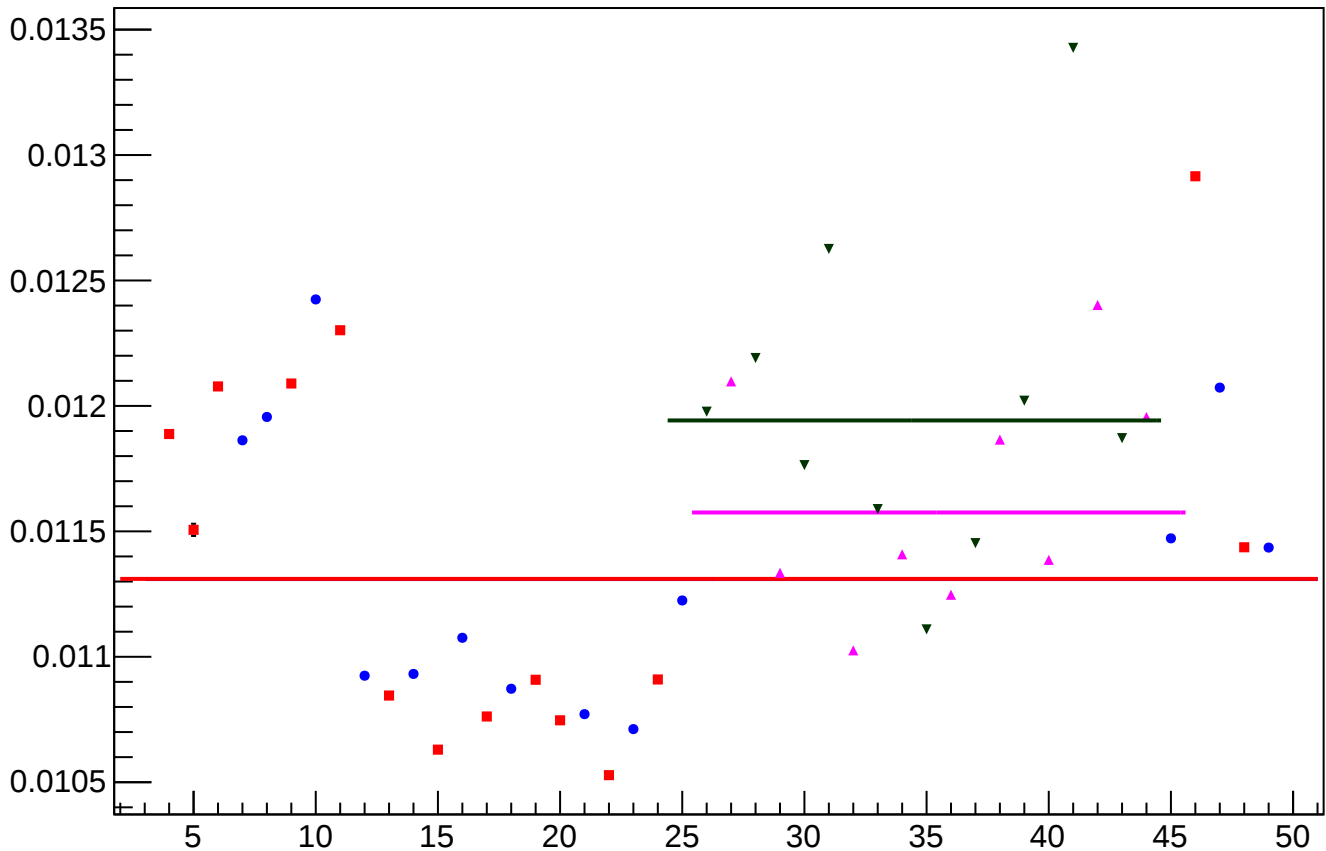
Right Out: -1.668+/-0.000 χ^2/NDF : 8318747601.1/13

Left In: -1.667+/-0.000 χ^2/NDF : 344212253.5/8

-1.620+/-0.000 χ^2/NDF : 15981033937.9/22

-1.668+/-0.000 χ^2/NDF : 8663030185.0/22

yield_bpm0l04X_rms vs slug



Right In: 0.011+/-0.000 χ^2/NDF : 37370.7/12

Left Out: 0.012+/-0.000 χ^2/NDF :25348.0/9

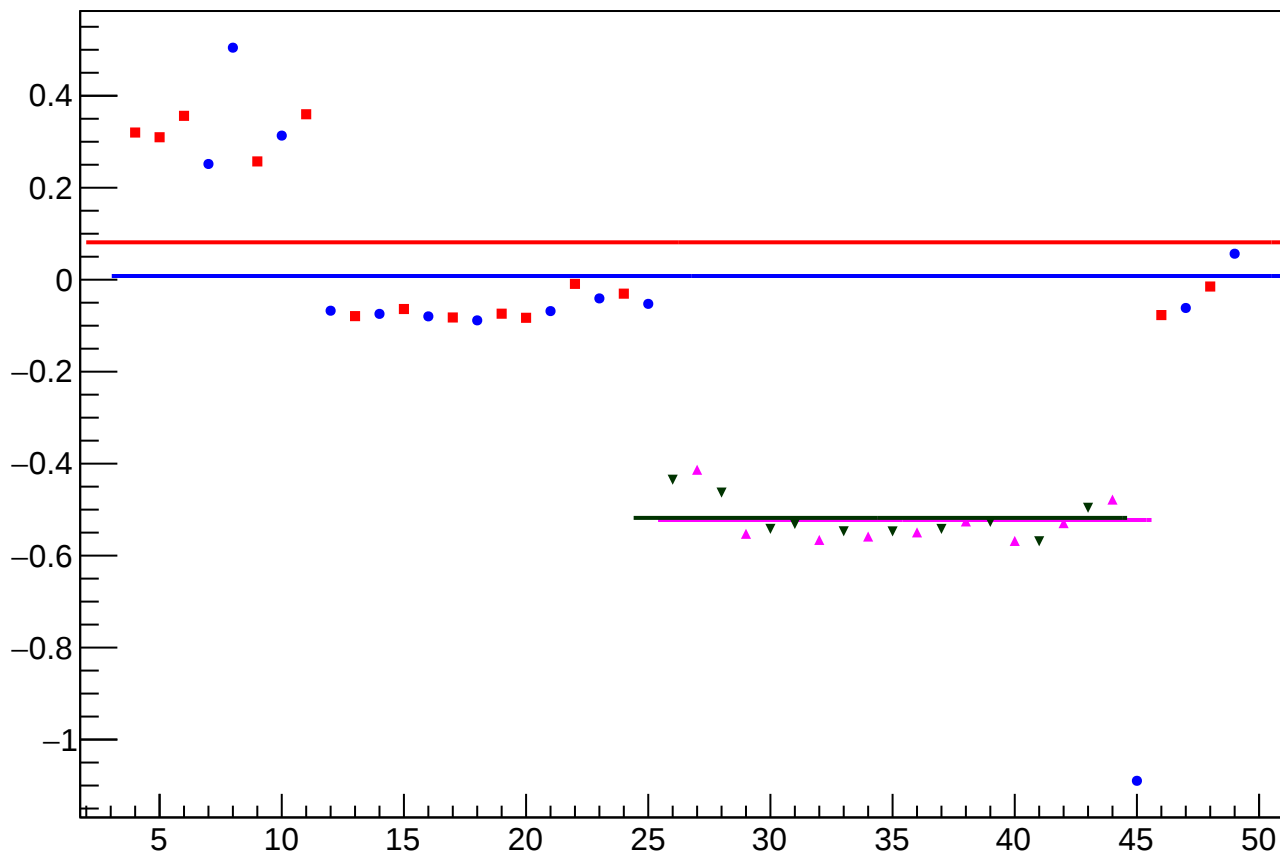
Right Out: 0.011+/-0.000 χ^2/NDF : 57093.3/13

Left In: 0.012+/-0.000 χ^2/NDF :15888.6/8

0.012+/-0.000 χ^2/NDF : 81452.5/22

0.011+/-0.000 χ^2/NDF : 76337.9/22

yield_bpm0l04Y_mean vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 18053188914.4/12

Left Out: -0.518+/-0.000 χ^2/NDF : 131878439.0/9

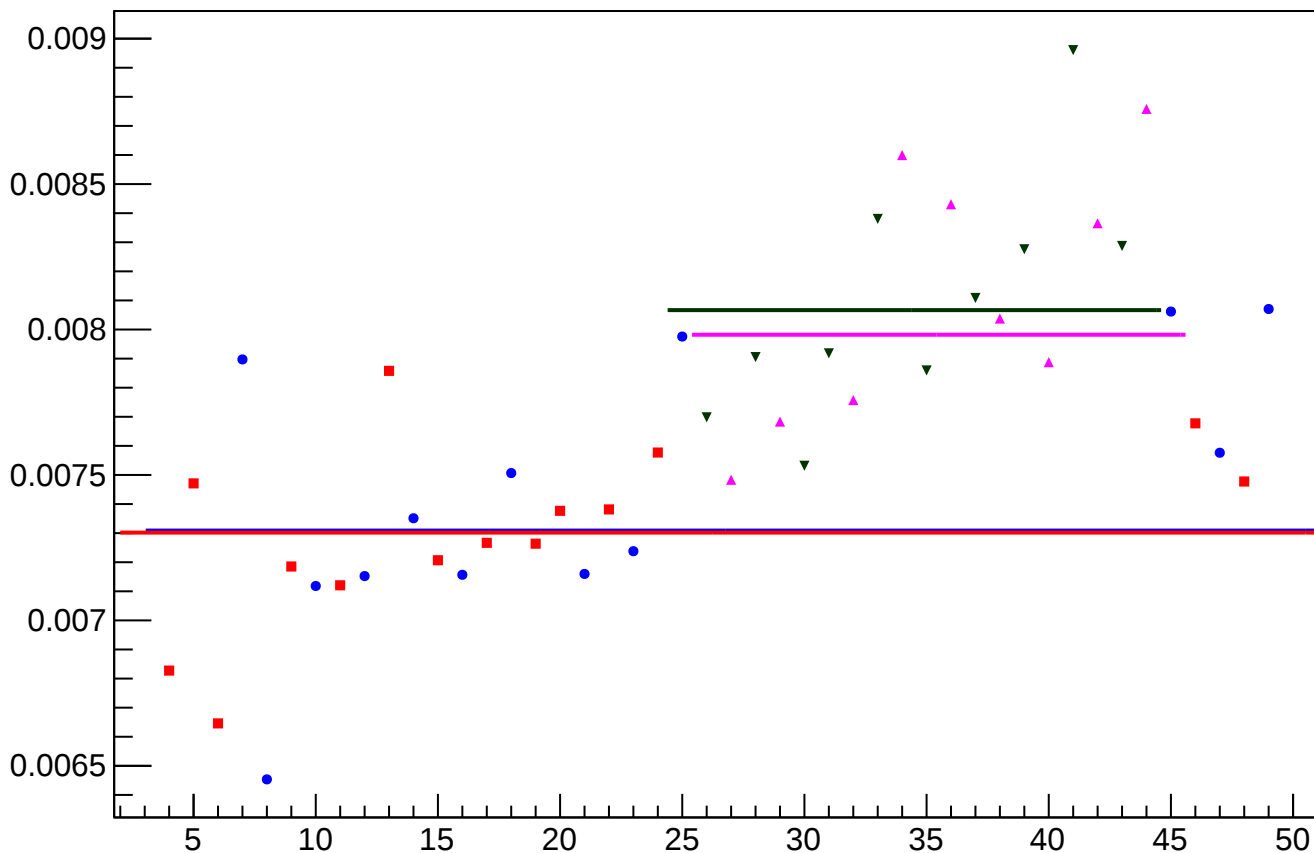
Right Out: 0.081+/-0.000 χ^2/NDF : 4557512136.3/13

Left In: -0.523+/-0.000 χ^2/NDF : 258155612.5/8

-0.171+/-0.000 χ^2/NDF : 32589173260.4/22

-0.157+/-0.000 χ^2/NDF : 23869525682.4/22

yield_bpm0l04Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 67160.3/12

Left Out: 0.008+/-0.000 χ^2/NDF : 23022.1/9

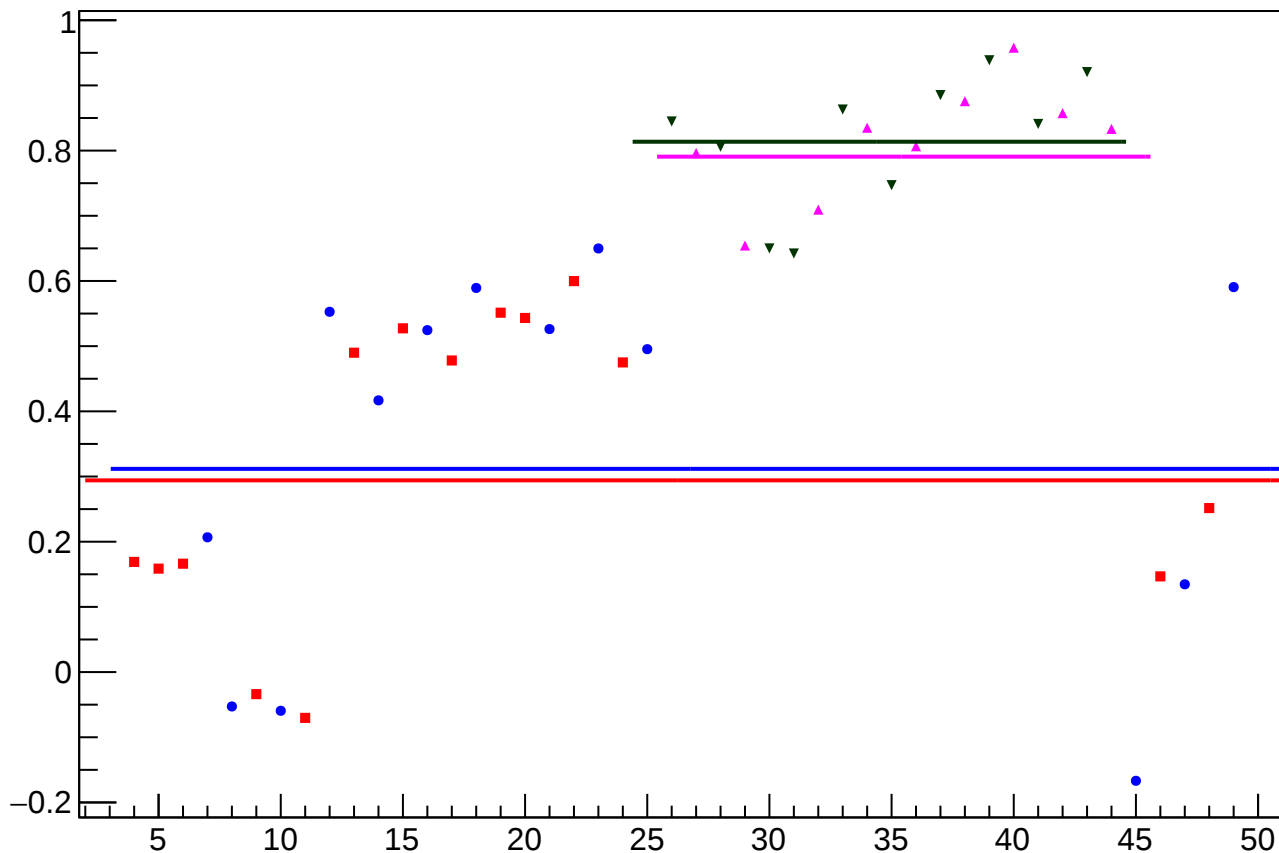
Right Out: 0.007+/-0.000 χ^2/NDF : 28637.1/13

Left In: 0.008+/-0.000 χ^2/NDF : 29355.6/8

0.008+/-0.000 χ^2/NDF : 149986.7/22

0.008+/-0.000 χ^2/NDF : 106355.1/22

yield_bpm0l05X_mean vs slug



Right In: 0.312 ± 0.000 χ^2/NDF : 14172417689.9/12

Left Out: 0.814 ± 0.000 χ^2/NDF : 993349923.9/9

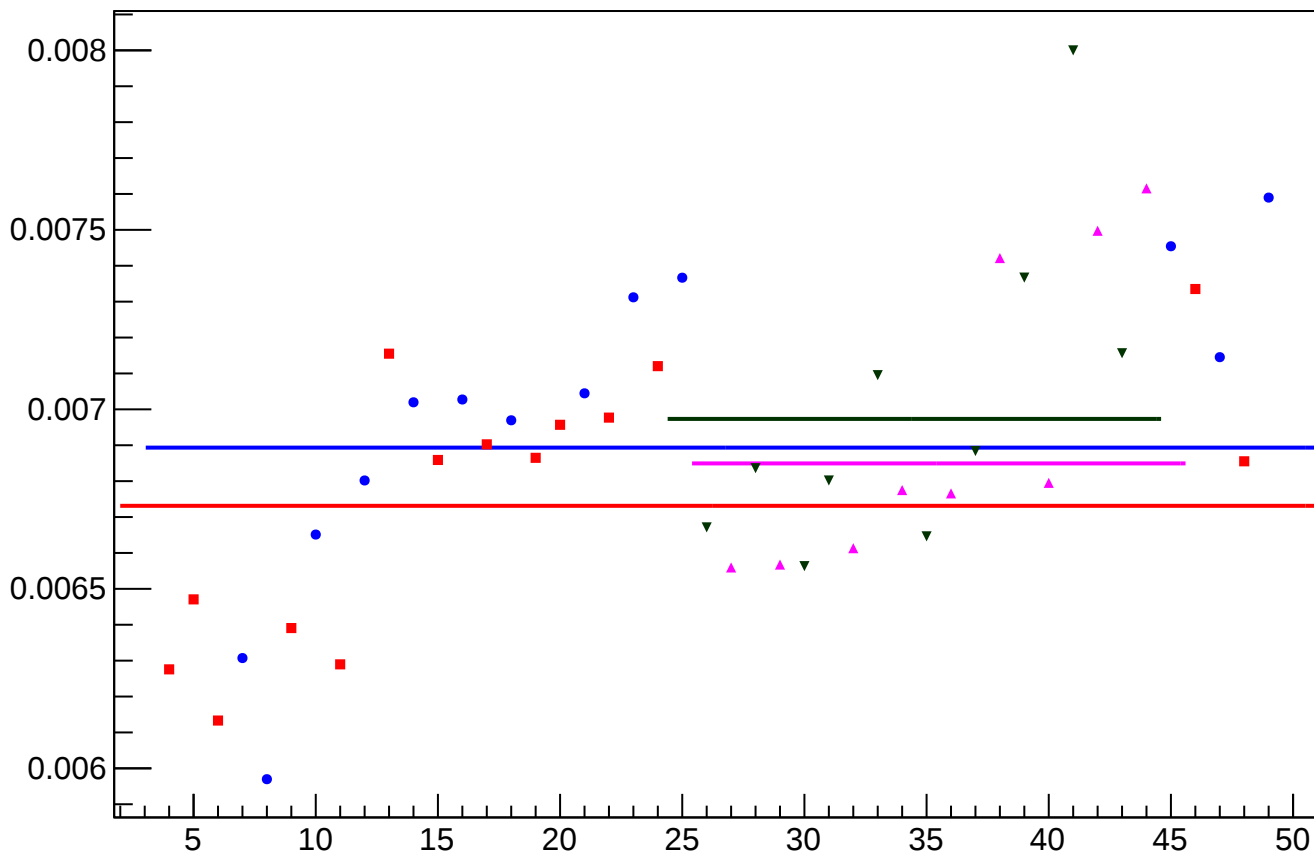
Right Out: 0.294 ± 0.000 χ^2/NDF : 8832291216.7/13

Left In: 0.791 ± 0.000 χ^2/NDF : 932399689.3/8

0.504 ± 0.000 χ^2/NDF : 31847751365.8/22

0.507 ± 0.000 χ^2/NDF : 26420522397.7/22

yield_bpm0l05X_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 78162.2/12

Left Out: 0.007+/-0.000 χ^2/NDF : 32912.7/9

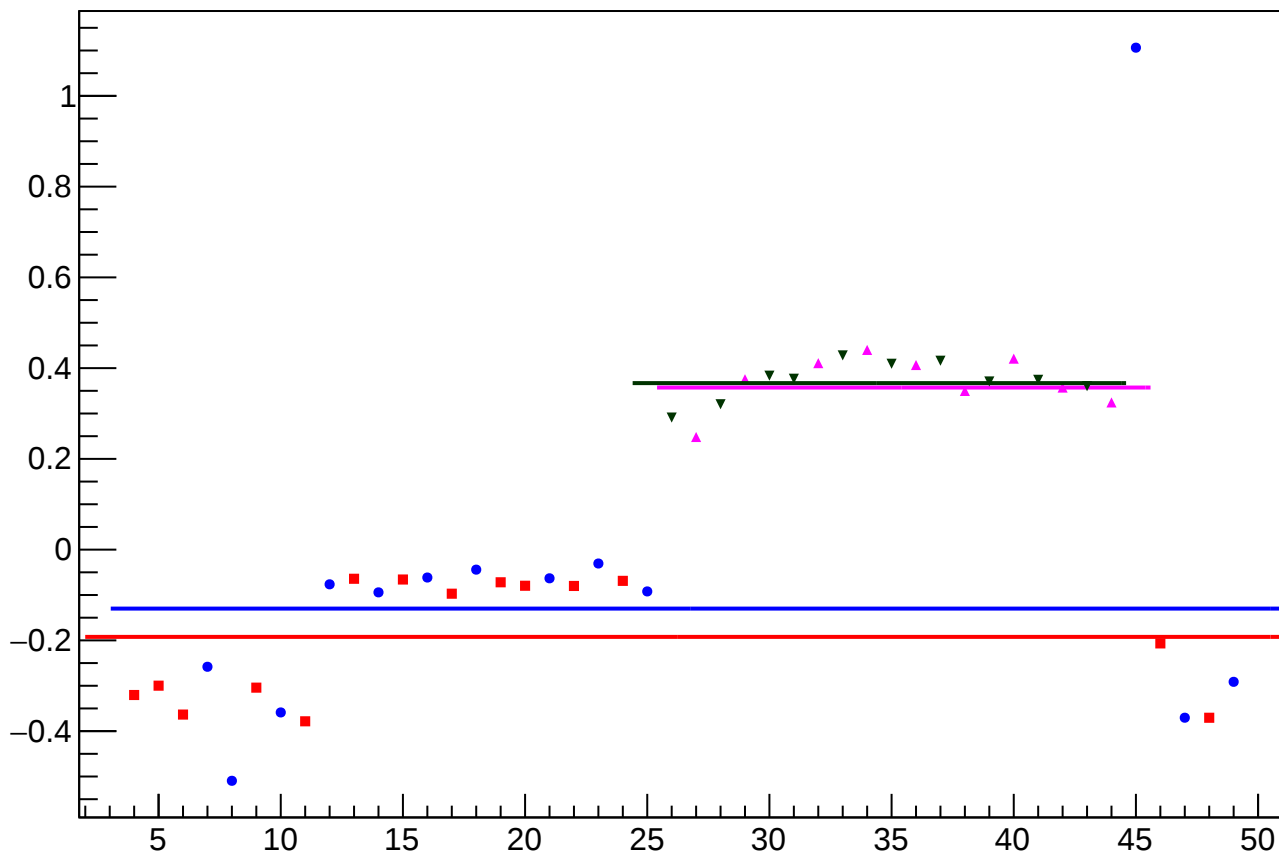
Right Out: 0.007+/-0.000 χ^2/NDF : 45586.6/13

Left In: 0.007+/-0.000 χ^2/NDF : 33164.0/8

0.007+/-0.000 χ^2/NDF : 111922.1/22

0.007+/-0.000 χ^2/NDF : 80636.6/22

yield_bpm0l05Y_mean vs slug



Right In: -0.130+/-0.000 χ^2/NDF : 35179489446.6/12

Left Out: 0.367+/-0.000 χ^2/NDF :258003359.9/9

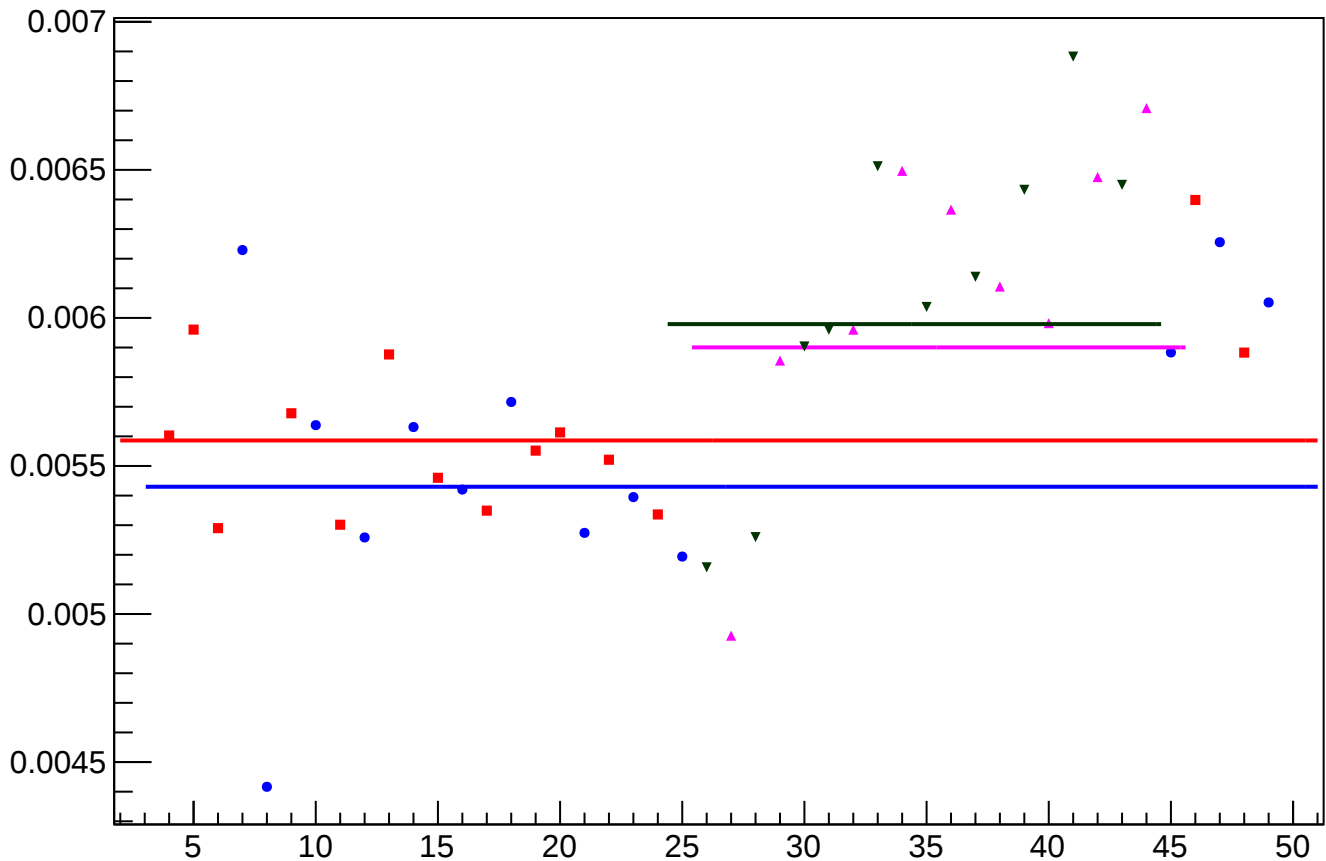
Right Out: -0.192+/-0.000 χ^2/NDF : 3970990309.9/13

Left In: 0.357+/-0.000 χ^2/NDF :650314960.7/8

0.039+/-0.000 χ^2/NDF : 58451305689.0/22

0.033+/-0.000 χ^2/NDF : 32360673628.3/22

yield_bpm0l05Y_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 152690.2/12

Left Out: 0.006+/-0.000 χ^2/NDF : 84407.0/9

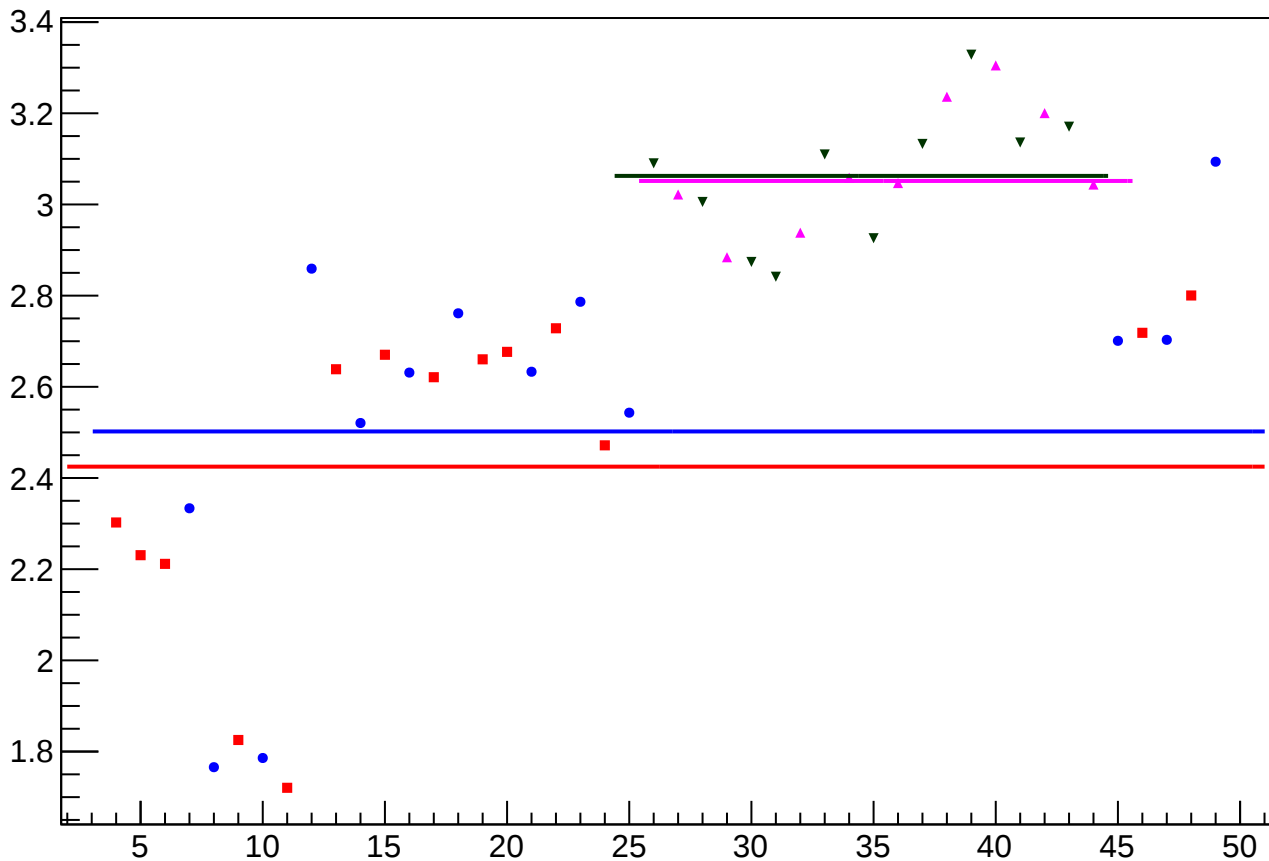
Right Out: 0.006+/-0.000 χ^2/NDF : 35511.2/13

Left In: 0.006+/-0.000 χ^2/NDF : 101099.8/8

0.006+/-0.000 χ^2/NDF : 293335.6/22

0.006+/-0.000 χ^2/NDF : 154767.9/22

yield_bpm0l06X_mean vs slug



Right In: 2.502 $\pm$ 0.000 χ^2 /NDF: 10683455883.2/12

Left Out: 3.063 $\pm$ 0.000 χ^2 /NDF: 1107067165.5/9

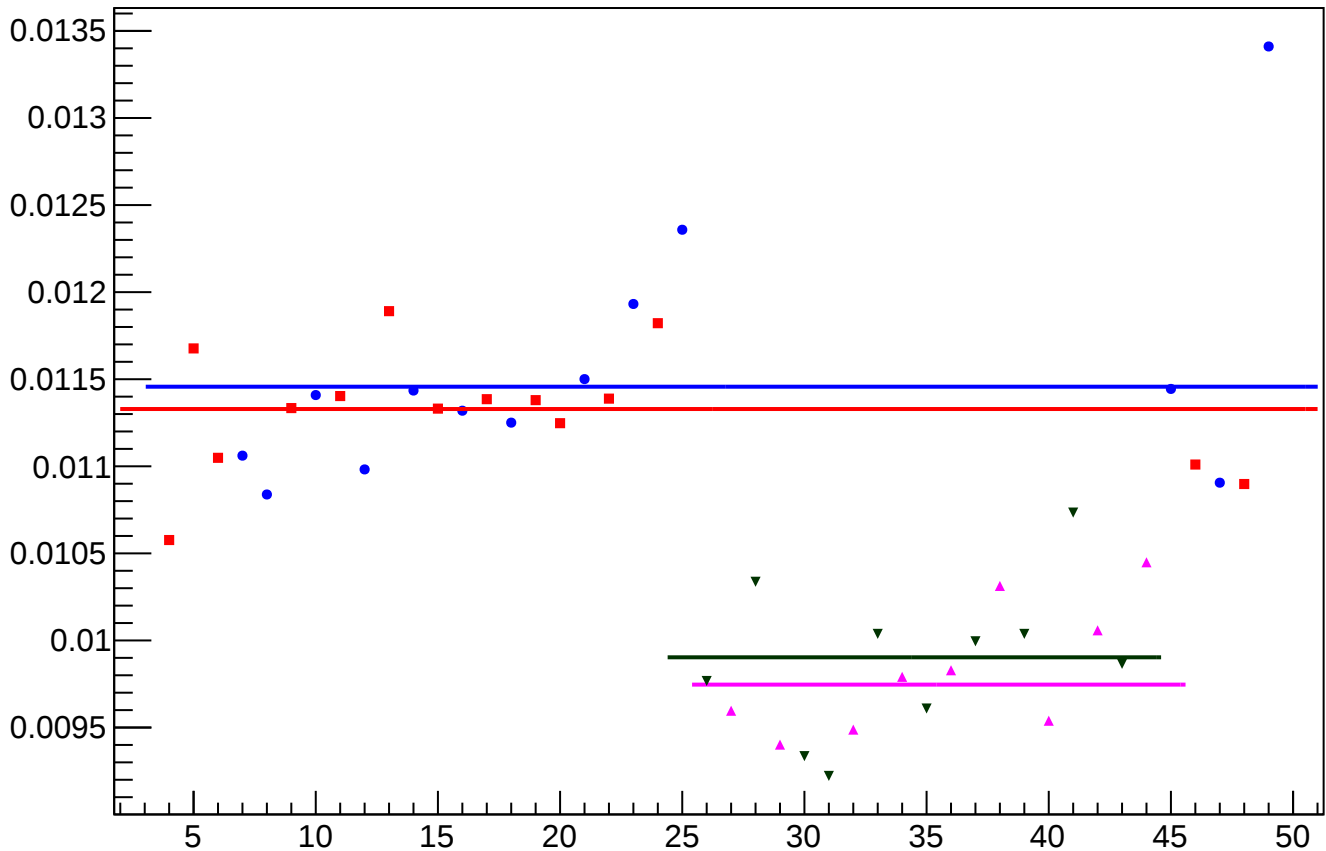
2.760 $\pm$ 0.000 χ^2 /NDF: 20869660024.4/22

Right Out: 2.425 $\pm$ 0.000 χ^2 /NDF: 7183120907.5/13

2.746 $\pm$ 0.000 χ^2 /NDF: 19382775269.7/22

Left In: 3.052 $\pm$ 0.000 χ^2 /NDF: 1015989993.5/8

yield_bpm0l06X_rms vs slug



Right In: 0.011+/-0.000 χ^2/NDF : 51831.9/12

Left Out: 0.010+/-0.000 χ^2/NDF :18813.8/9

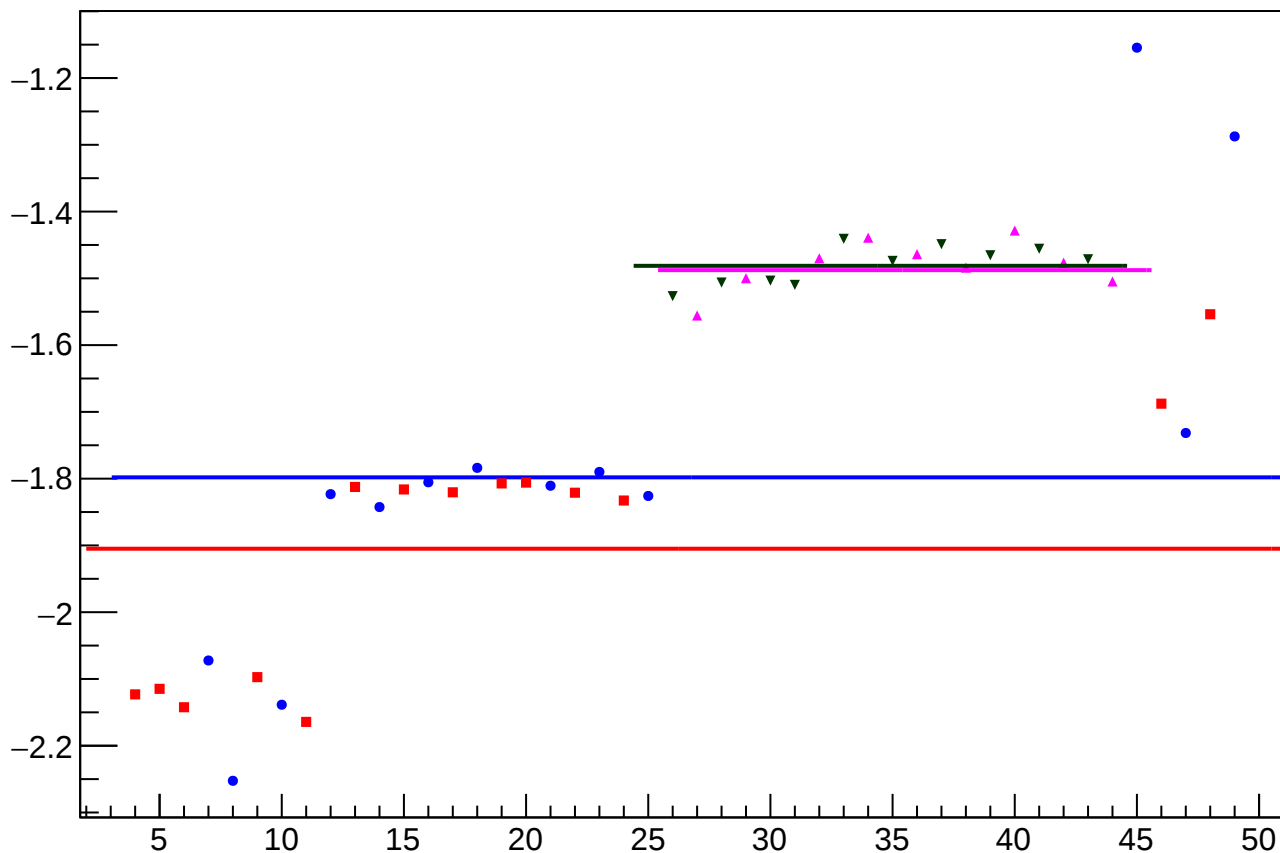
Right Out: 0.011+/-0.000 χ^2/NDF : 13104.3/13

Left In: 0.010+/-0.000 χ^2/NDF :13193.9/8

0.011+/-0.000 χ^2/NDF : 210186.2/22

0.011+/-0.000 χ^2/NDF : 168958.3/22

yield_bpm0l06Y_mean vs slug



Right In: -1.798 ± 0.000 χ^2/NDF : 35750515787.6/12

Left Out: -1.481 ± 0.000 χ^2/NDF : 133314200.9/9

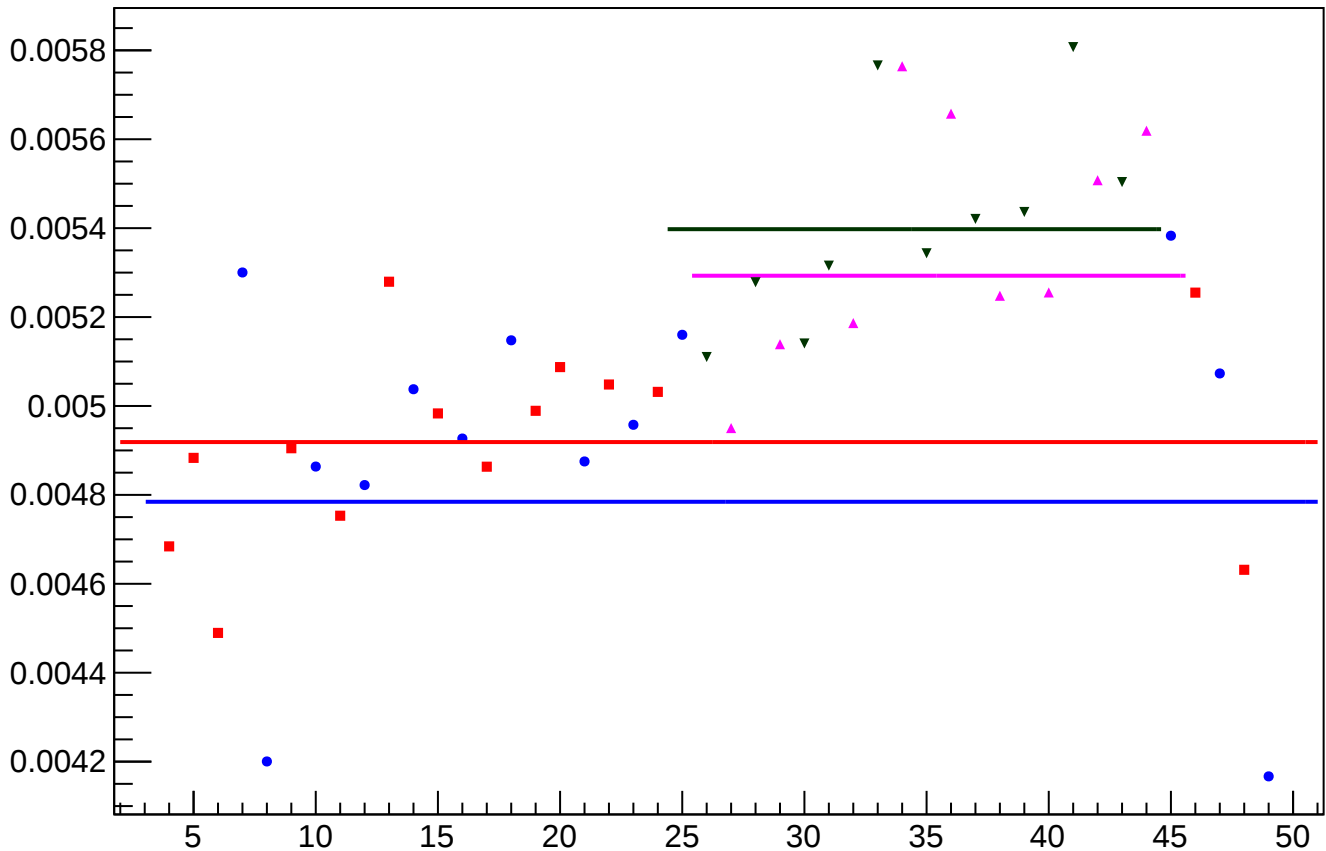
Right Out: -1.905 ± 0.000 χ^2/NDF : 10154613808.5/13

Left In: -1.488 ± 0.000 χ^2/NDF : 281282296.5/8

-1.693 ± 0.000 χ^2/NDF : 47719223717.2/22

-1.737 ± 0.000 χ^2/NDF : 30885799475.4/22

yield_bpm0l06Y_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 110993.2/12

Left Out: 0.005+/-0.000 χ^2/NDF : 16600.8/9

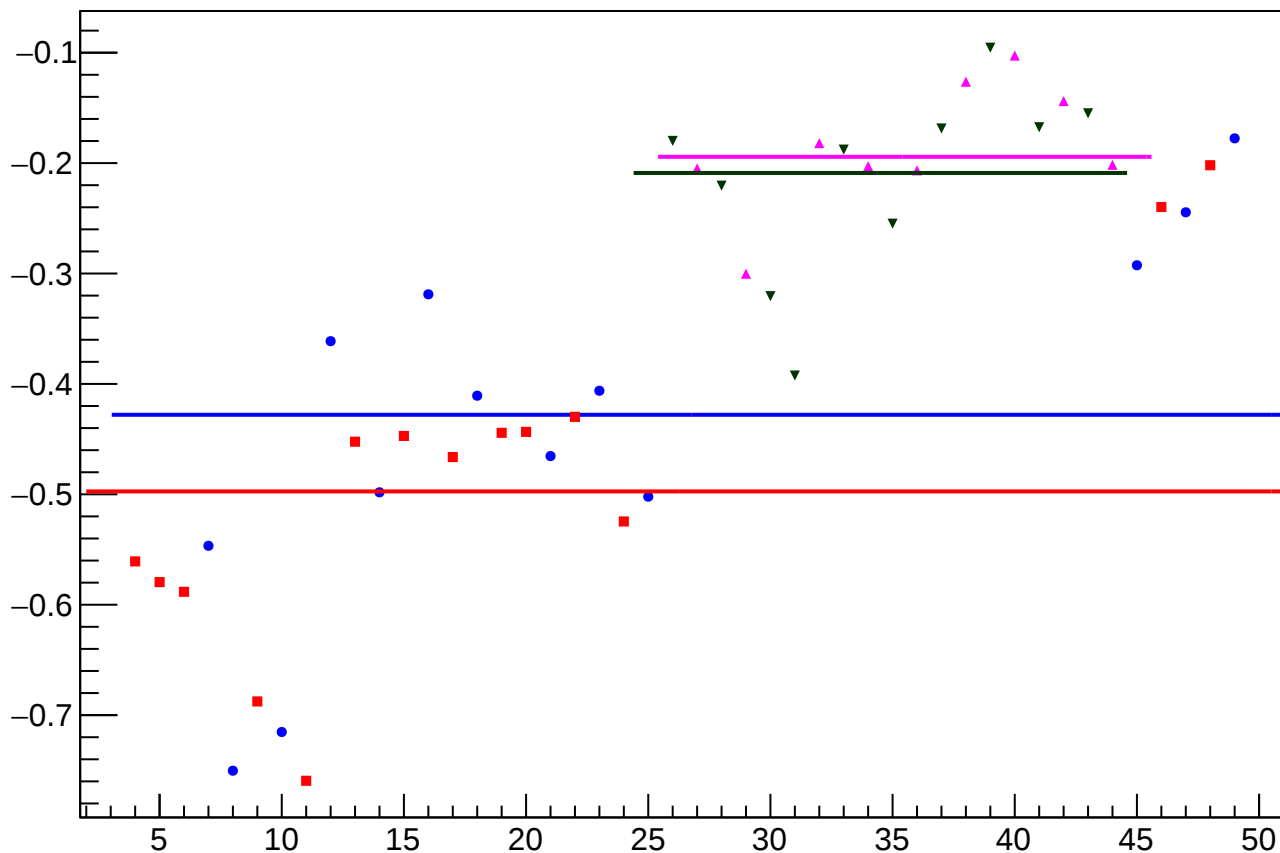
Right Out: 0.005+/-0.000 χ^2/NDF : 31347.0/13

Left In: 0.005+/-0.000 χ^2/NDF : 25779.4/8

0.005+/-0.000 χ^2/NDF : 216265.3/22

0.005+/-0.000 χ^2/NDF : 90026.7/22

yield_bpm0l07X_mean vs slug



Right In: -0.428+/-0.000 χ^2 /NDF: 1093841504.9/12

Left Out: -0.209+/-0.000 χ^2 /NDF:145606796.2/9

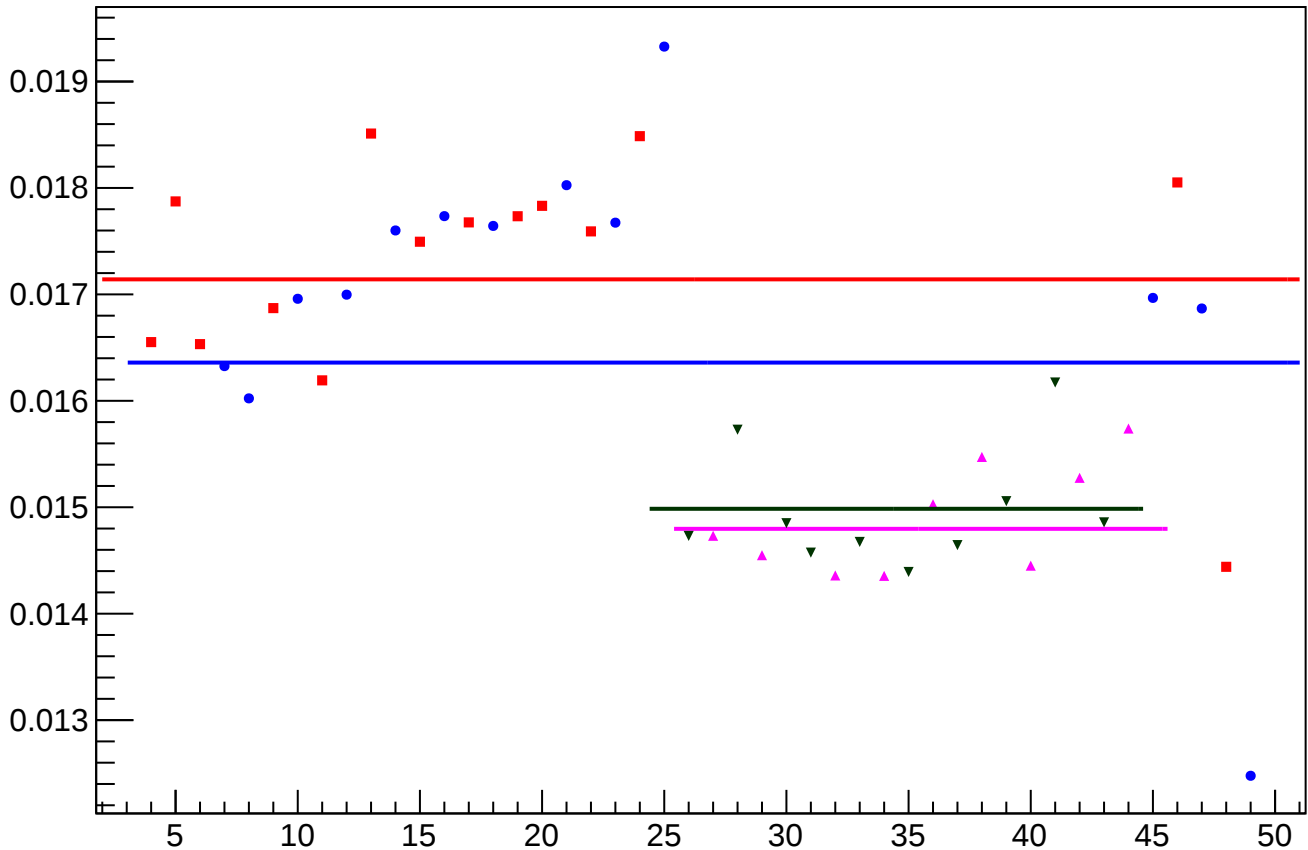
Right Out: -0.497+/-0.000 χ^2 /NDF: 604931007.6/13

Left In: -0.194+/-0.000 χ^2 /NDF:81659796.5/8

-0.332+/-0.000 χ^2 /NDF: 1878966833.4/22

-0.341+/-0.000 χ^2 /NDF: 1822931626.0/22

yield_bpm0l07X_rms vs slug



Right In: 0.016+/-0.000 χ^2/NDF : 226094.1/12

Left Out: 0.015+/-0.000 χ^2/NDF :13214.2/9

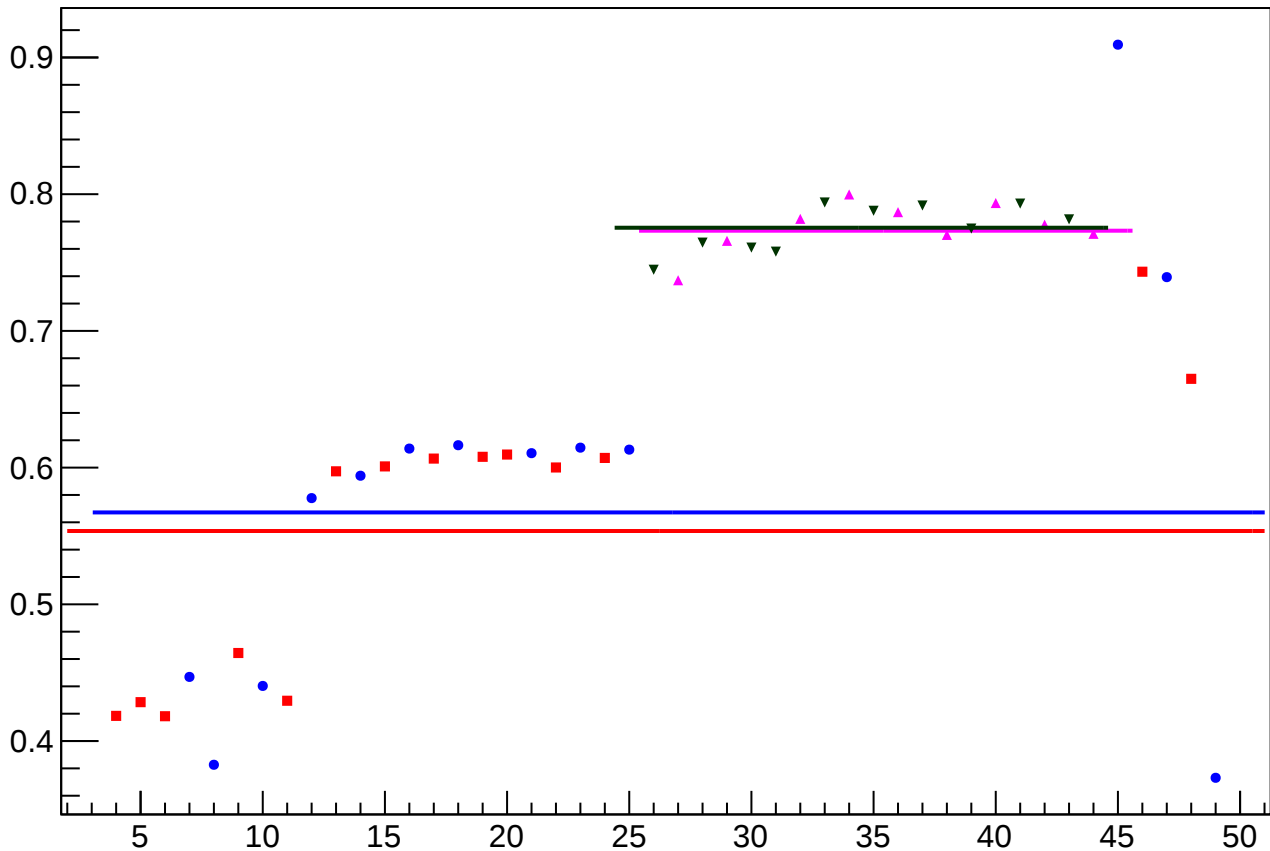
Right Out: 0.017+/-0.000 χ^2/NDF : 61430.4/13

Left In: 0.015+/-0.000 χ^2/NDF :10554.2/8

0.016+/-0.000 χ^2/NDF : 289621.6/22

0.016+/-0.000 χ^2/NDF : 207922.1/22

yield_bpm0l07Y_mean vs slug



Right In: 0.567 $\pm$ 0.000 χ^2 /NDF: 15644069097.9/12

Left Out: 0.775 $\pm$ 0.000 χ^2 /NDF: 122038329.5/9

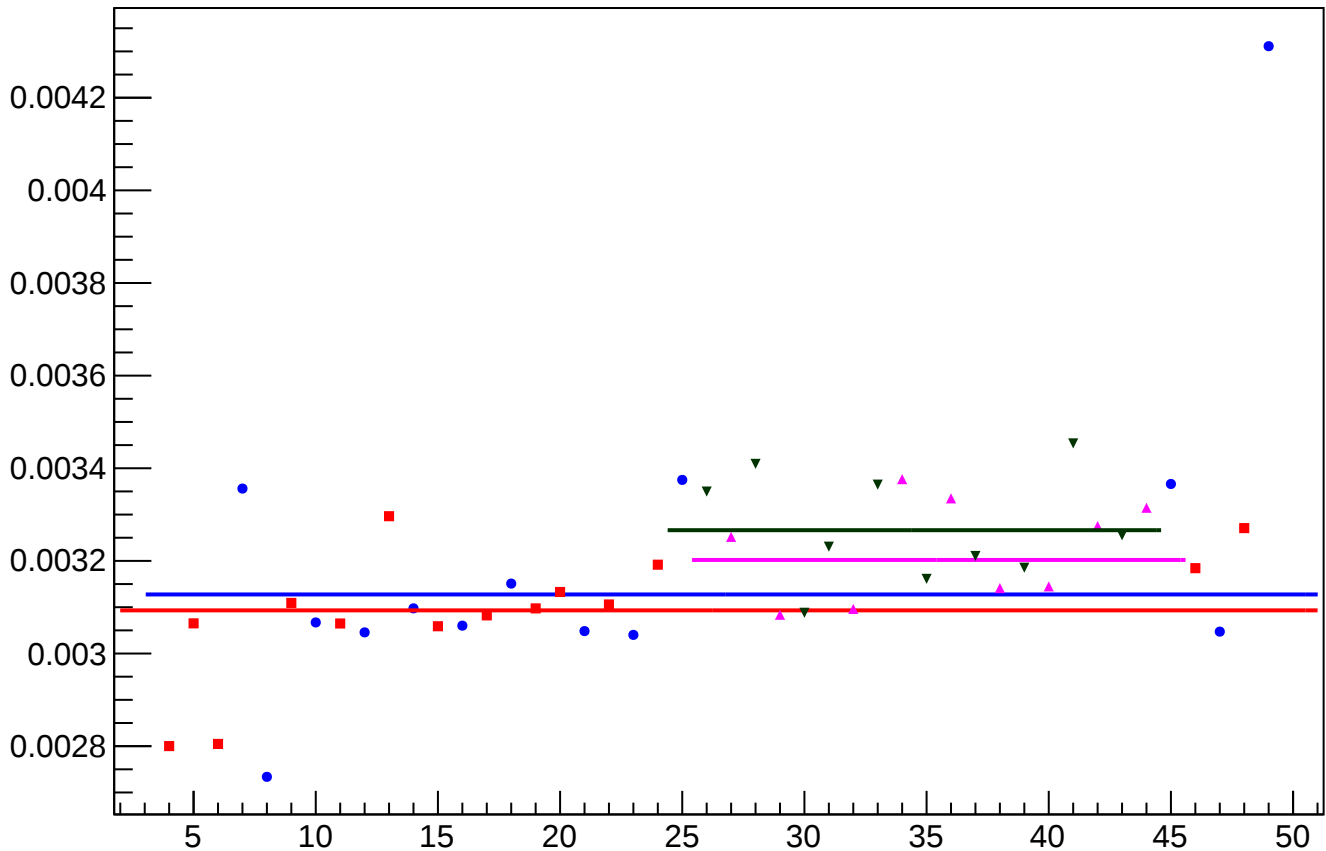
Right Out: 0.554 $\pm$ 0.000 χ^2 /NDF: 7138938972.2/13

Left In: 0.773 $\pm$ 0.000 χ^2 /NDF: 173800769.3/8

0.644 $\pm$ 0.000 χ^2 /NDF: 29054656068.0/22

0.646 $\pm$ 0.000 χ^2 /NDF: 22372661669.7/22

yield_bpm0l07Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 179982.5/12

Left Out: 0.003+/-0.000 χ^2/NDF :12873.3/9

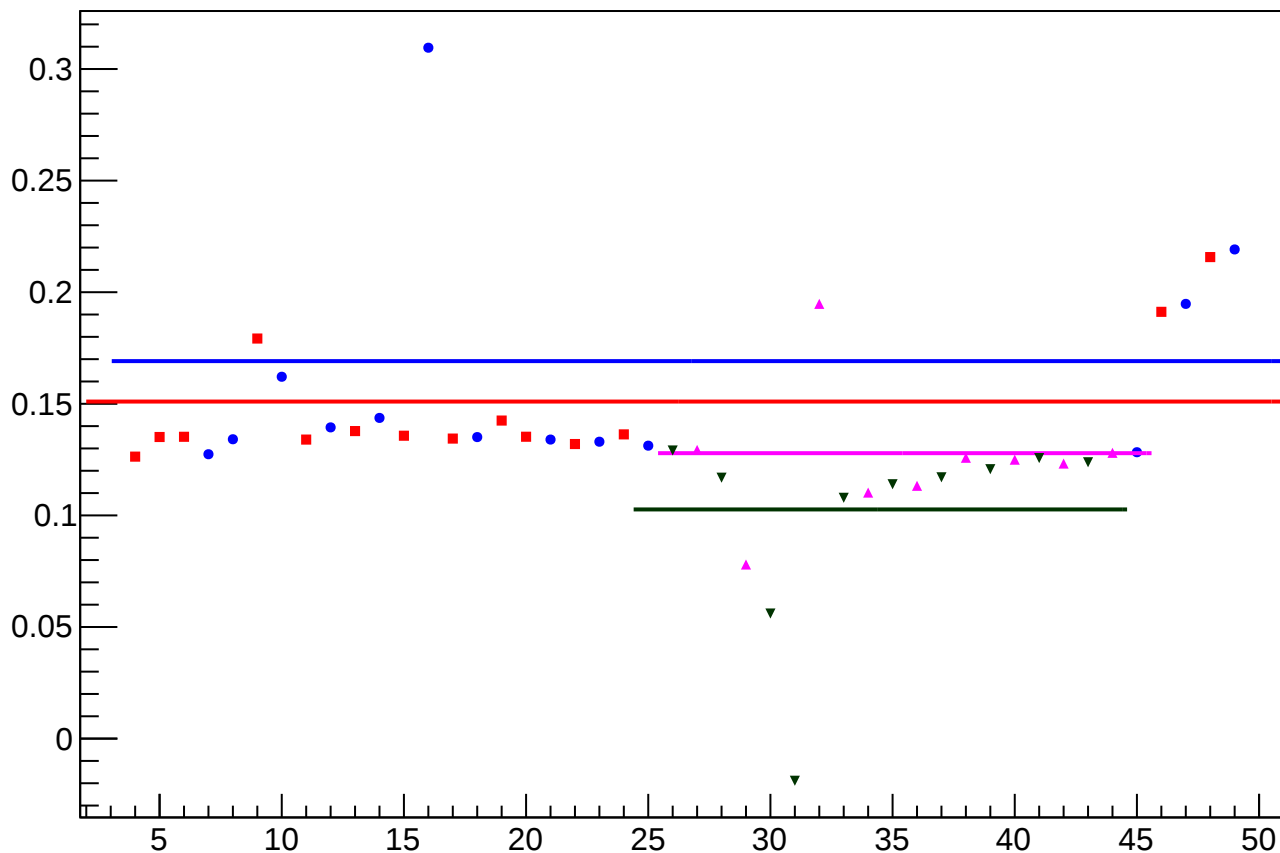
0.003+/-0.000 χ^2/NDF : 204652.4/22

Right Out: 0.003+/-0.000 χ^2/NDF : 31043.7/13

0.003+/-0.000 χ^2/NDF : 49903.7/22

Left In: 0.003+/-0.000 χ^2/NDF :11463.7/8

yield_bpm0l08X_mean vs slug



Right In: 0.169+/-0.000 χ^2/NDF : 89502363.5/12

Left Out: 0.103+/-0.000 χ^2/NDF : 42575286.2/9

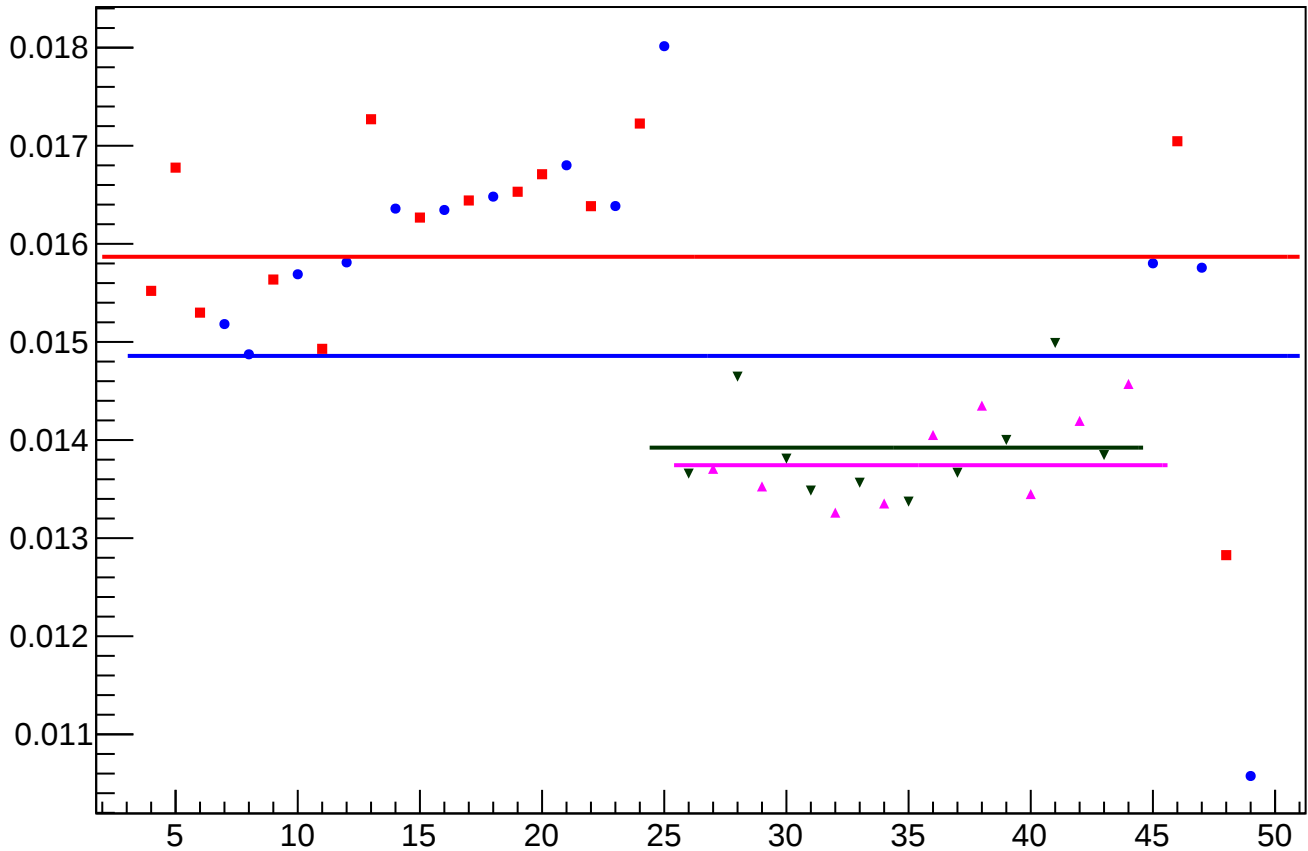
Right Out: 0.151+/-0.000 χ^2/NDF : 21870679.3/13

Left In: 0.128+/-0.000 χ^2/NDF : 35319224.9/8

0.141+/-0.000 χ^2/NDF : 201297962.4/22

0.139+/-0.000 χ^2/NDF : 64850833.4/22

yield_bpm0l08X_rms vs slug



Right In: 0.015+/-0.000 χ^2/NDF : 380310.1/12

Left Out: 0.014+/-0.000 χ^2/NDF :13410.6/9

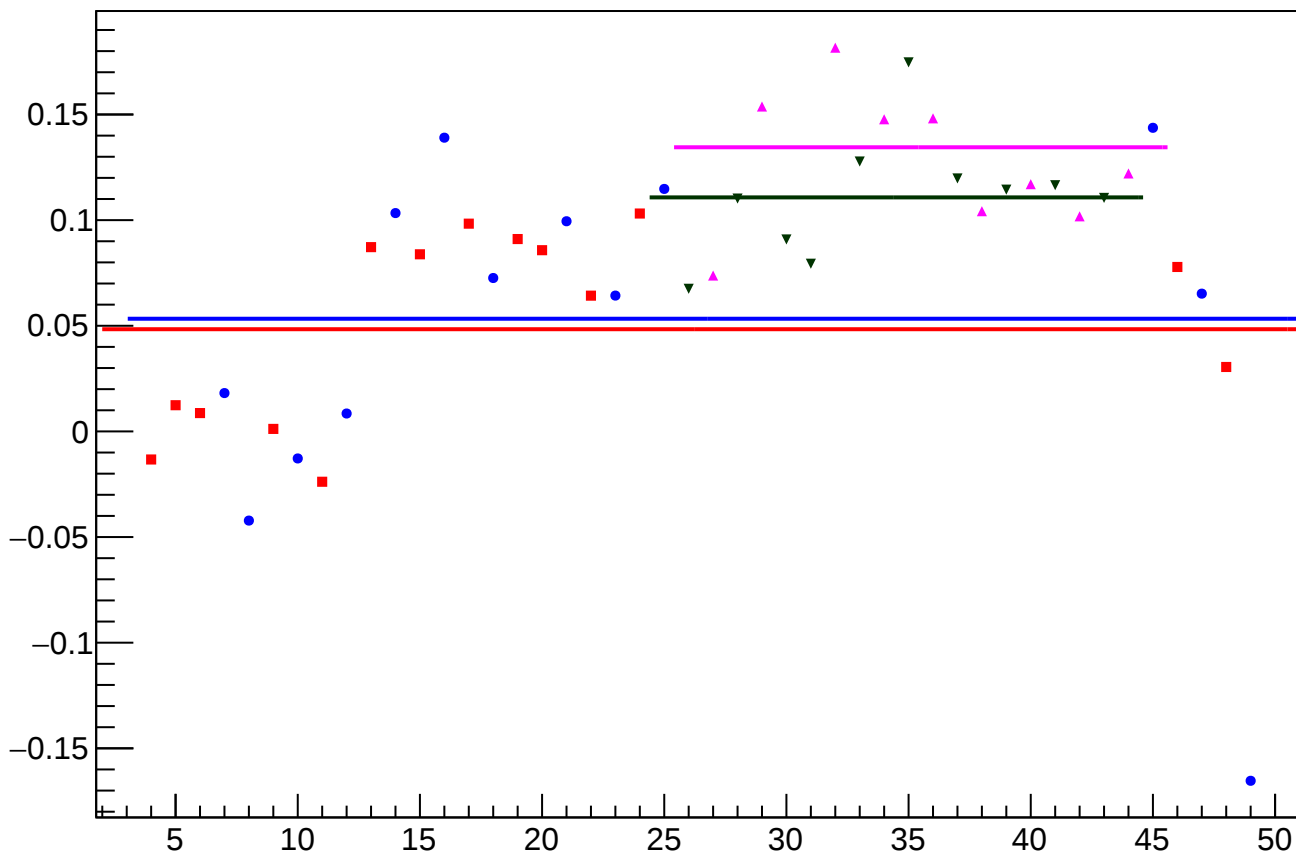
0.014+/-0.000 χ^2/NDF : 421128.7/22

Right Out: 0.016+/-0.000 χ^2/NDF : 87158.0/13

0.015+/-0.000 χ^2/NDF : 227275.9/22

Left In: 0.014+/-0.000 χ^2/NDF :10776.7/8

yield_bpm0l08Y_mean vs slug



Right In: 0.053+/-0.000 χ^2/NDF : 4190134050.3/12

Left Out: 0.111+/-0.000 χ^2/NDF : 325634113.5/9

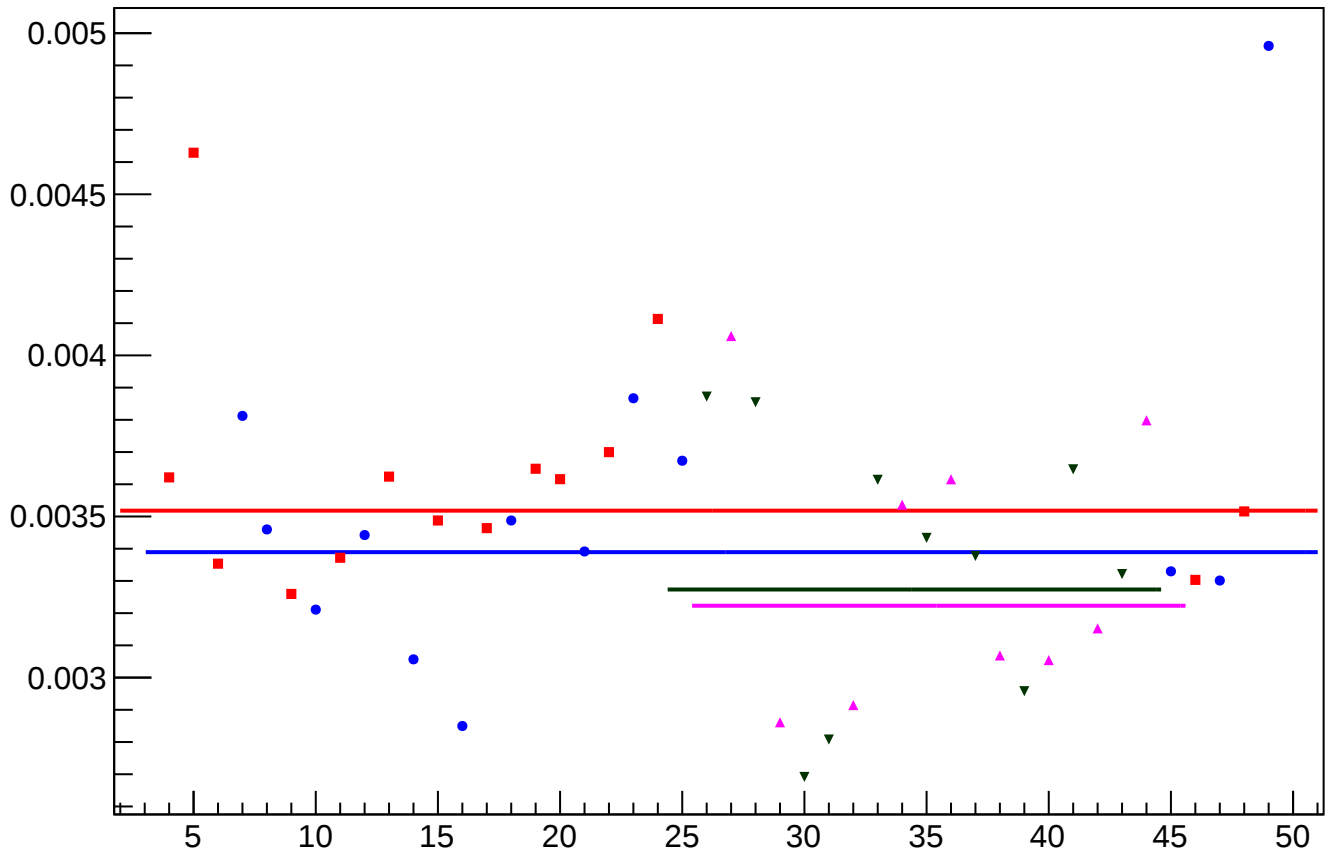
Right Out: 0.048+/-0.000 χ^2/NDF : 1123633306.2/13

Left In: 0.134+/-0.000 χ^2/NDF : 584141111.2/8

0.077+/-0.000 χ^2/NDF : 5435528166.1/22

0.090+/-0.000 χ^2/NDF : 3685405190.7/22

yield_bpm0l08Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 268132.3/12

Left Out: 0.003+/-0.000 χ^2/NDF :157067.3/9

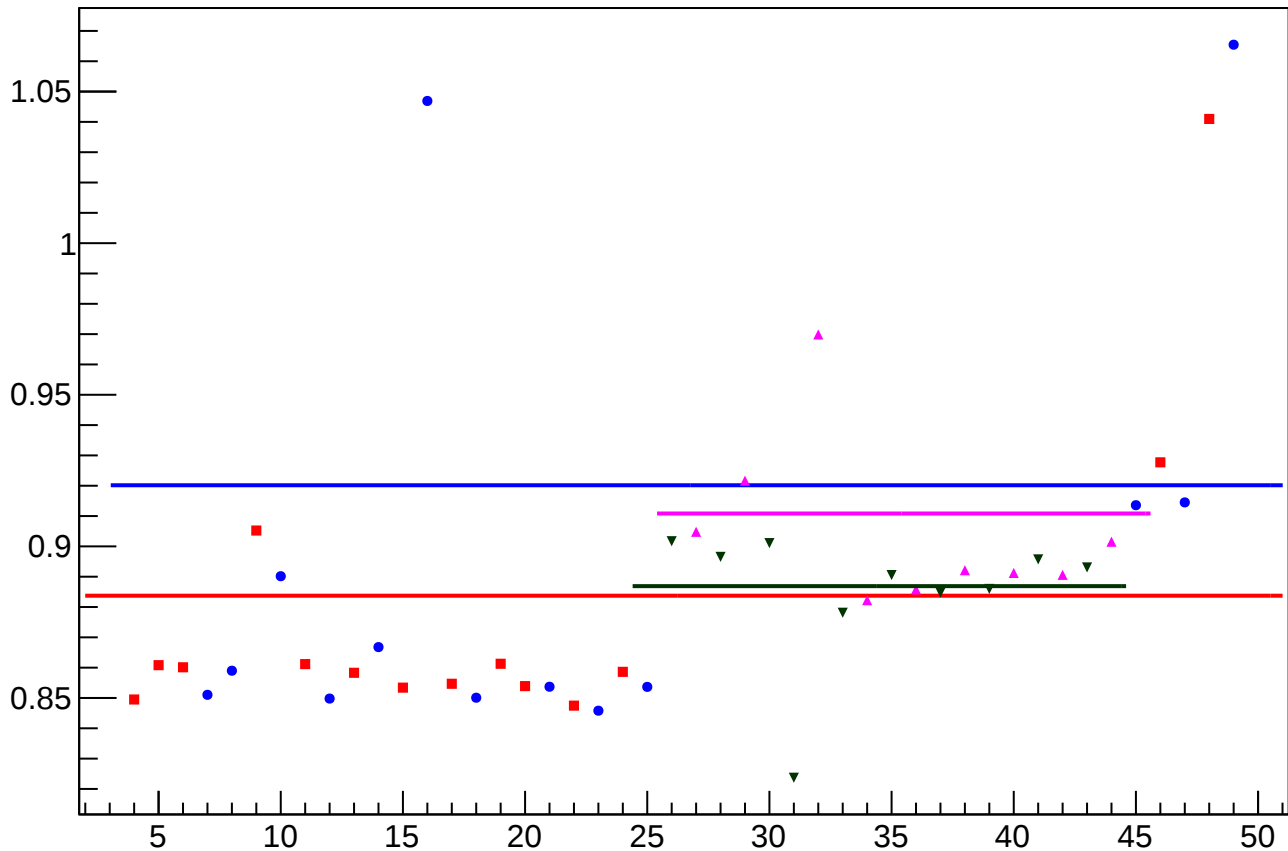
0.003+/-0.000 χ^2/NDF : 432692.0/22

Right Out: 0.004+/-0.000 χ^2/NDF : 58080.2/13

0.003+/-0.000 χ^2/NDF : 267834.2/22

Left In: 0.003+/-0.000 χ^2/NDF :163315.9/8

yield_bpm0l09X_mean vs slug



Right In: 0.920+/-0.000 χ^2/NDF : 286127226.3/12

Left Out: 0.887+/-0.000 χ^2/NDF : 10371268.3/9

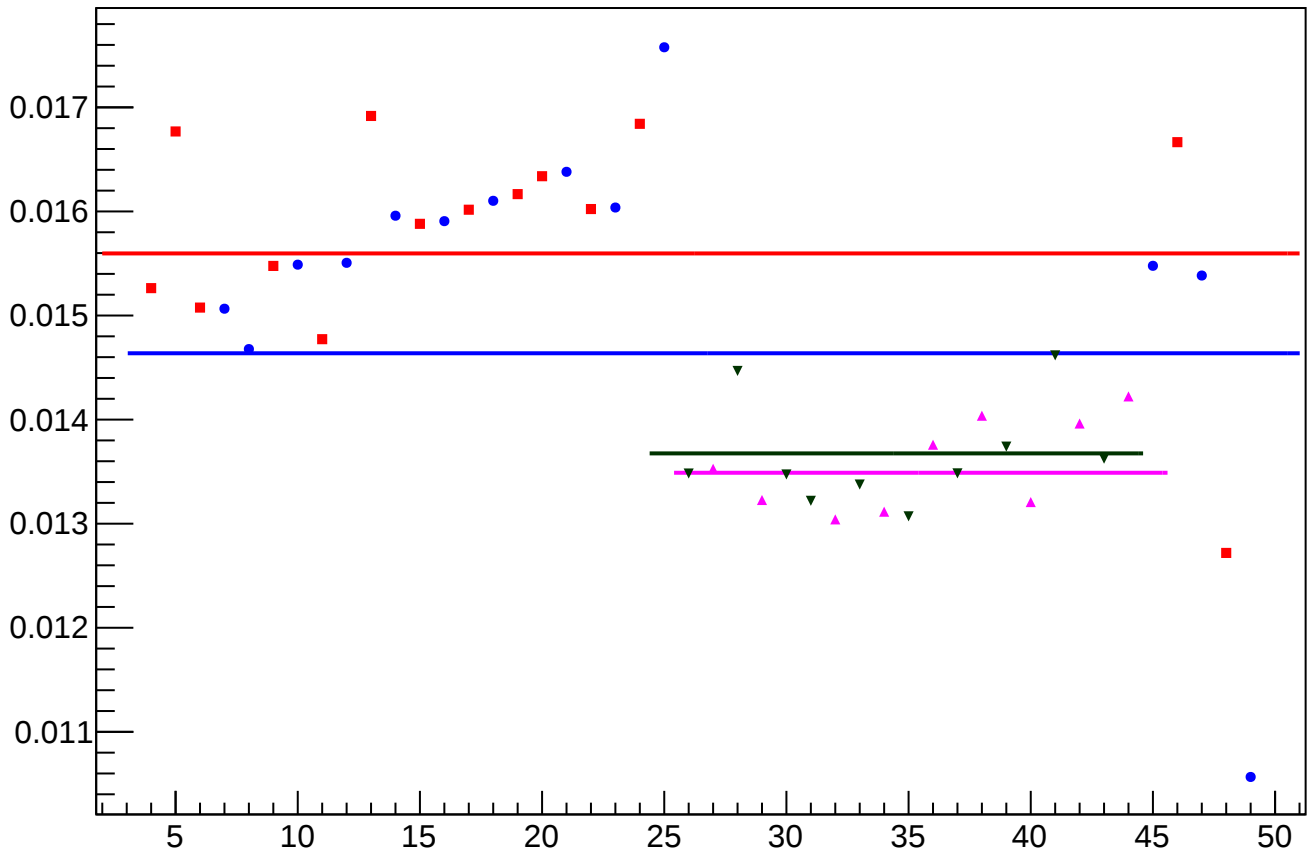
0.906+/-0.000 χ^2/NDF : 314436248.4/22

Right Out: 0.884+/-0.000 χ^2/NDF : 89817379.9/13

0.898+/-0.000 χ^2/NDF : 126736951.8/22

Left In: 0.911+/-0.000 χ^2/NDF : 26013449.3/8

yield_bpm0l09X_rms vs slug



Right In: 0.015+/-0.000 χ^2/NDF : 338693.8/12

Left Out: 0.014+/-0.000 χ^2/NDF :13316.5/9

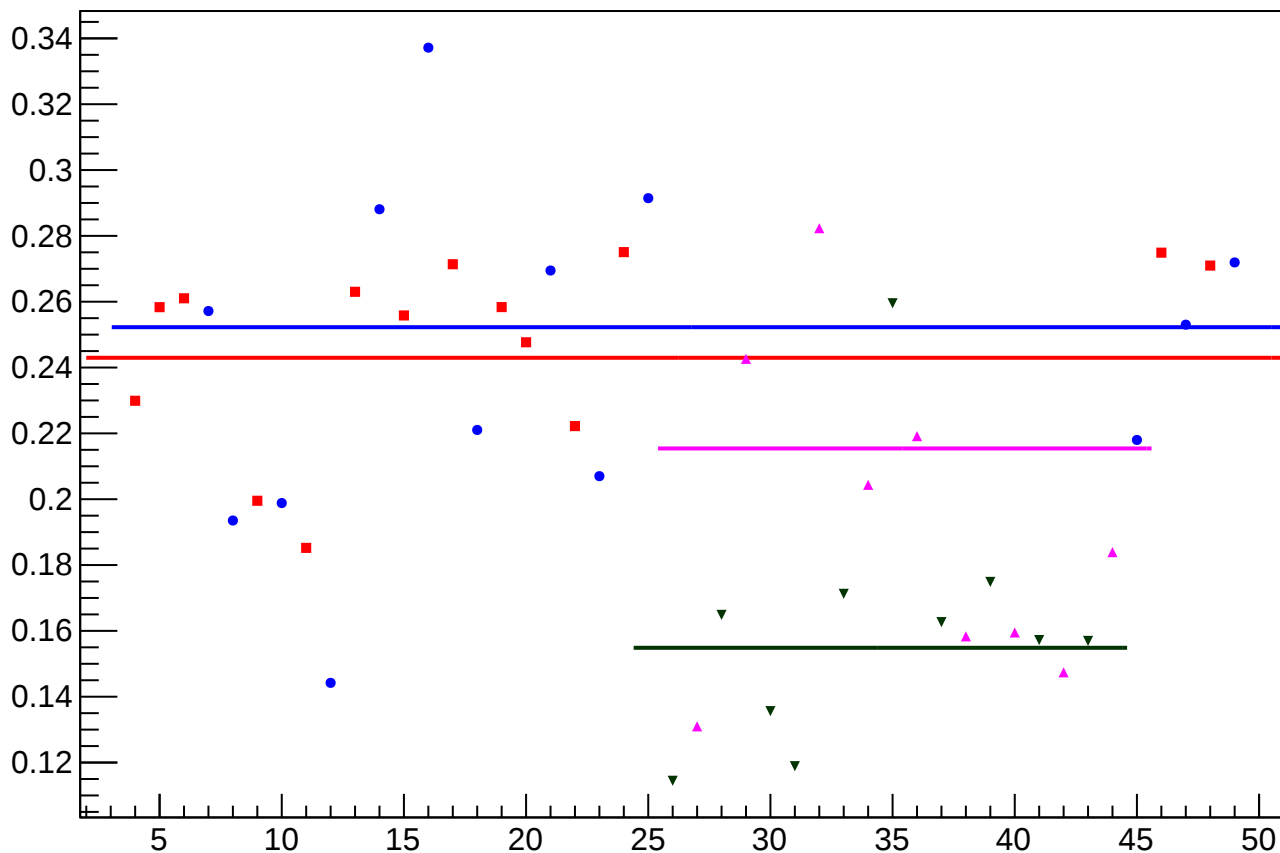
Right Out: 0.016+/-0.000 χ^2/NDF : 77585.7/13

Left In: 0.013+/-0.000 χ^2/NDF :9868.2/8

0.014+/-0.000 χ^2/NDF : 382000.7/22

0.015+/-0.000 χ^2/NDF : 219255.9/22

yield_bpm0l09Y_mean vs slug



Right In: 0.252 $\pm$ 0.000 χ^2 /NDF: 1668307700.9/12

Left Out: 0.155 $\pm$ 0.000 χ^2 /NDF: 491584814.3/9

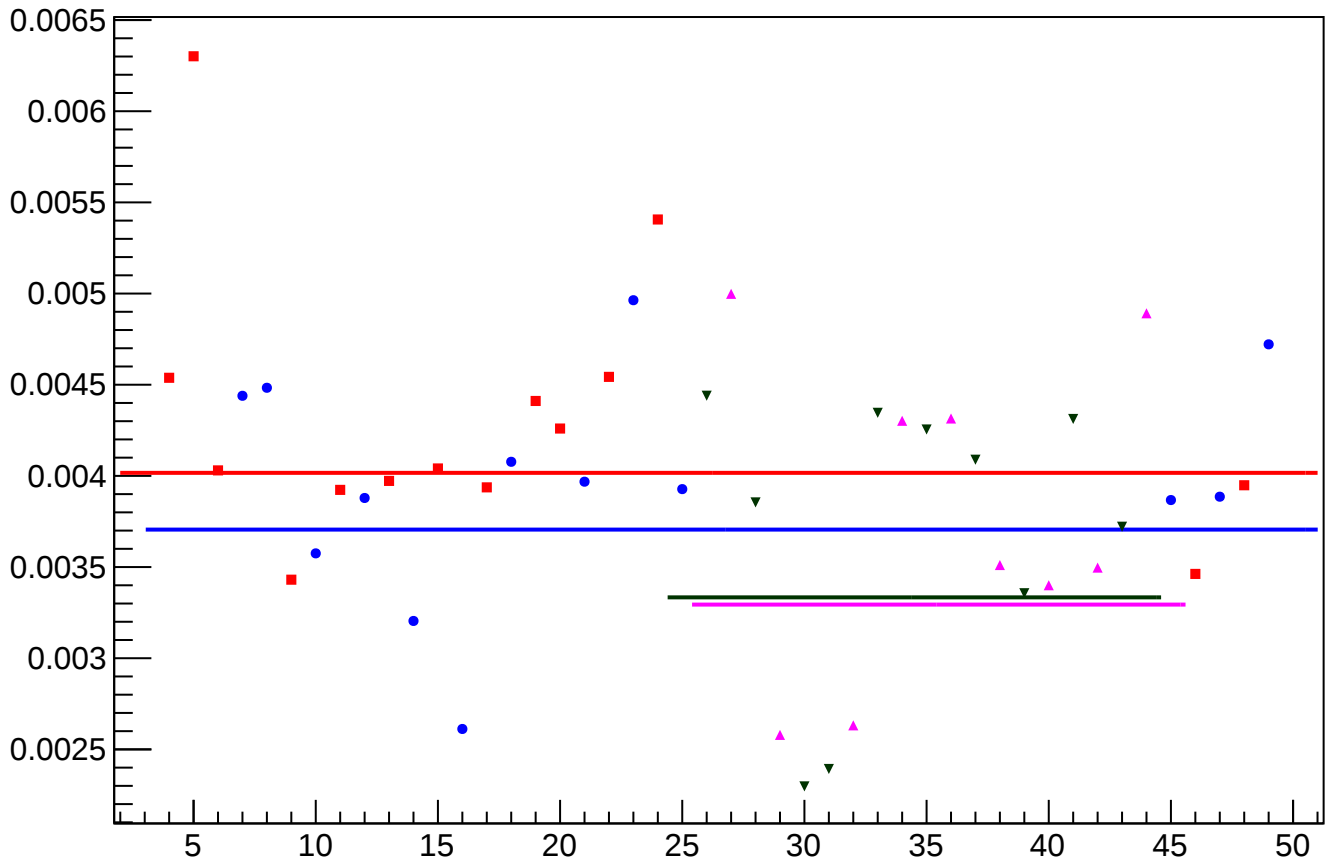
Right Out: 0.243 $\pm$ 0.000 χ^2 /NDF: 404739560.8/13

Left In: 0.215 $\pm$ 0.000 χ^2 /NDF: 1302153804.0/8

0.210 $\pm$ 0.000 χ^2 /NDF: 4427945599.2/22

0.228 $\pm$ 0.000 χ^2 /NDF: 1869772253.9/22

yield_bpm0l09Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 483210.4/12

Left Out: 0.003+/-0.000 χ^2/NDF : 596508.1/9

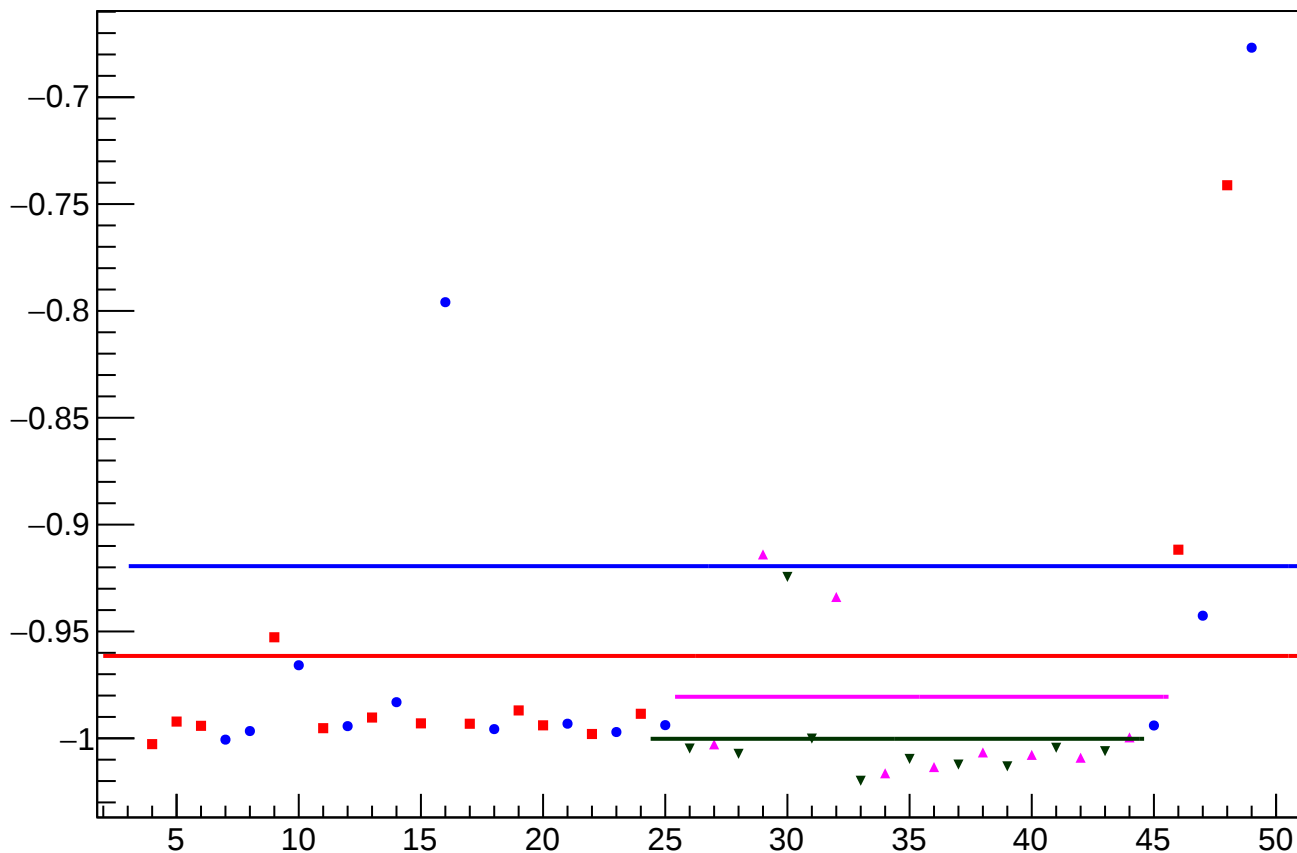
Right Out: 0.004+/-0.000 χ^2/NDF : 187186.8/13

Left In: 0.003+/-0.000 χ^2/NDF : 624356.7/8

0.004+/-0.000 χ^2/NDF : 1145773.1/22

0.004+/-0.000 χ^2/NDF : 1035628.8/22

yield_bpm0l10X_mean vs slug



Right In: -0.919+/-0.000 χ^2/NDF : 584419904.4/12

Left Out: -1.000+/-0.000 χ^2/NDF : 20984094.7/9

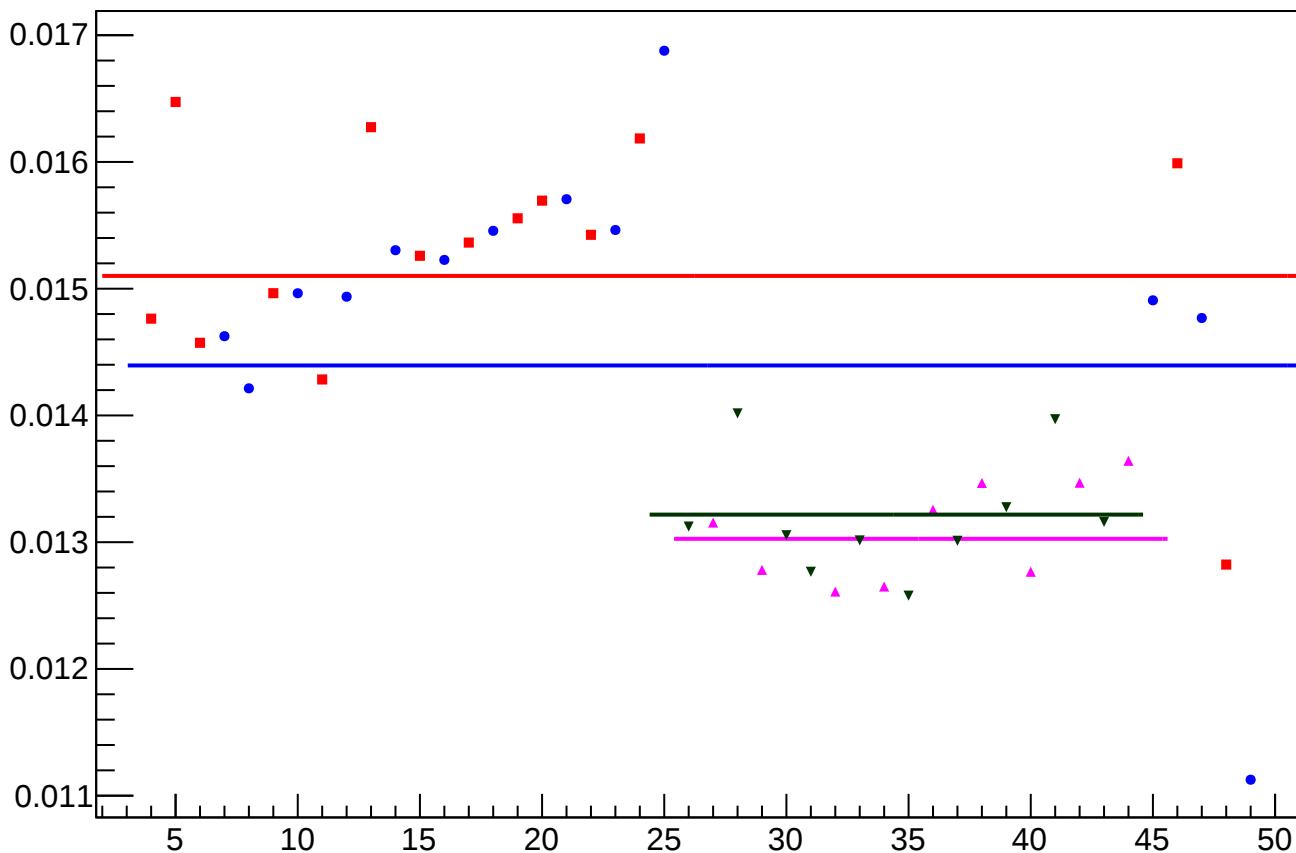
Right Out: -0.961+/-0.000 χ^2/NDF : 163335482.0/13

Left In: -0.981+/-0.000 χ^2/NDF : 51761164.5/8

-0.955+/-0.000 χ^2/NDF : 717166124.6/22

-0.971+/-0.000 χ^2/NDF : 220887095.7/22

yield_bpm0l10X_rms vs slug



Right In: 0.014+/-0.000 χ^2/NDF : 196061.9/12

Left Out: 0.013+/-0.000 χ^2/NDF :12265.8/9

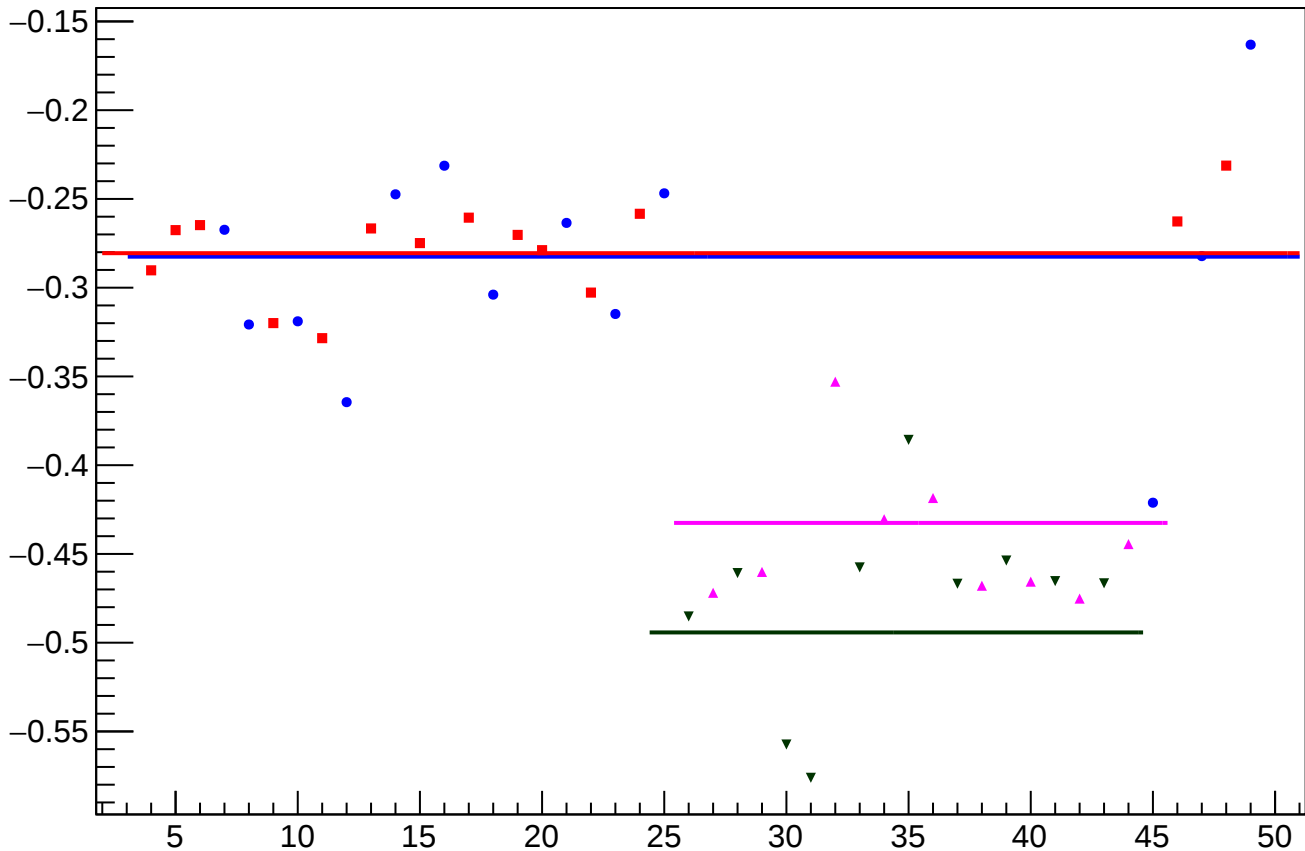
Right Out: 0.015+/-0.000 χ^2/NDF : 55798.0/13

Left In: 0.013+/-0.000 χ^2/NDF :8570.4/8

0.014+/-0.000 χ^2/NDF : 255749.4/22

0.014+/-0.000 χ^2/NDF : 200857.4/22

yield_bpm0l10Y_mean vs slug



Right In: -0.283+/-0.000 χ^2/NDF : 2483723899.7/12

Left Out: -0.494+/-0.000 χ^2/NDF : 1568805763.5/9

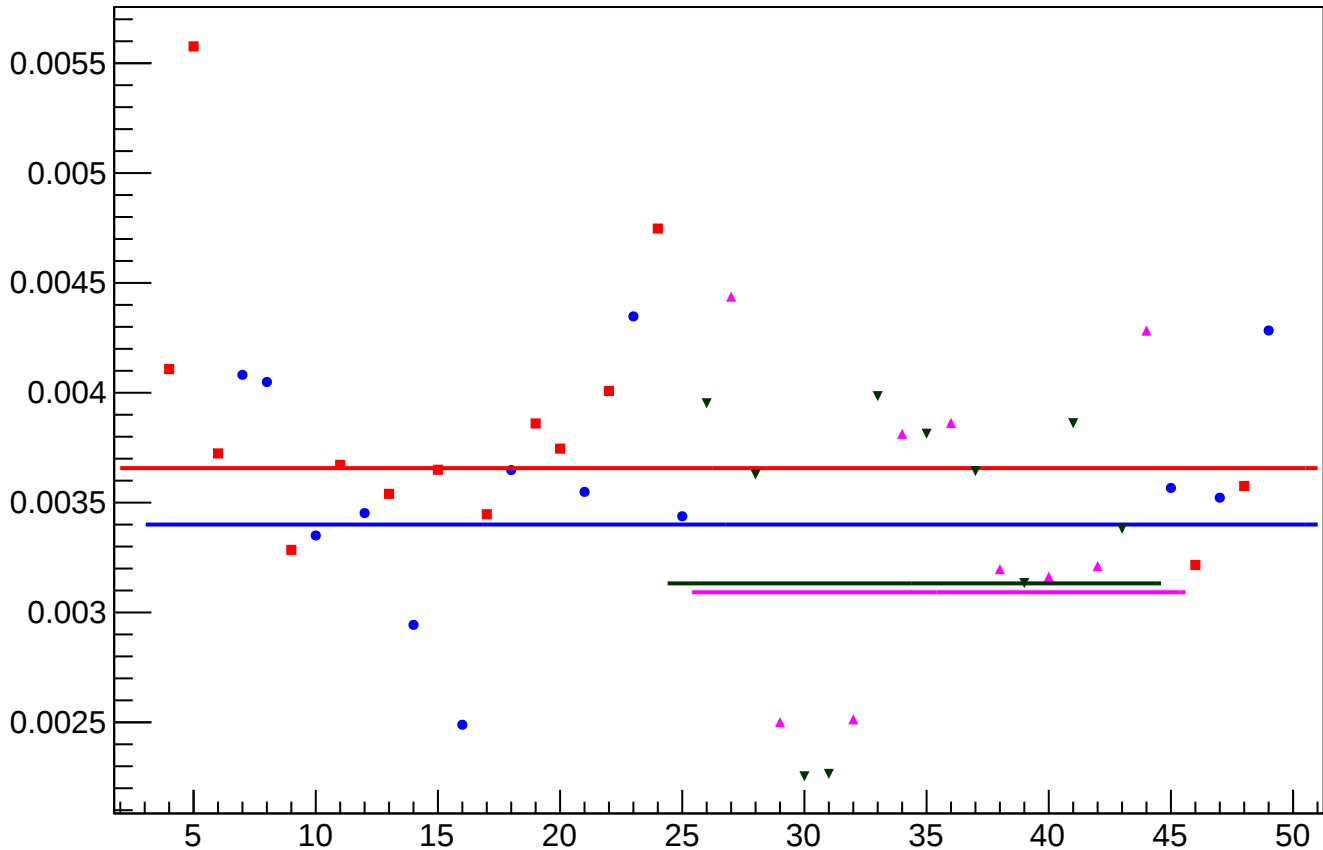
Right Out: -0.281+/-0.000 χ^2/NDF : 383100291.7/13

Left In: -0.433+/-0.000 χ^2/NDF : 1186728653.8/8

-0.371+/-0.000 χ^2/NDF : 16674980459.5/22

-0.359+/-0.000 χ^2/NDF : 7487314161.9/22

yield_bpm0l10Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 392806.8/12

Left Out: 0.003+/-0.000 χ^2/NDF :463941.8/9

0.003+/-0.000 χ^2/NDF : 897184.9/22

Right Out: 0.004+/-0.000 χ^2/NDF : 136450.5/13

0.003+/-0.000 χ^2/NDF : 772762.9/22

Left In: 0.003+/-0.000 χ^2/NDF :472745.5/8