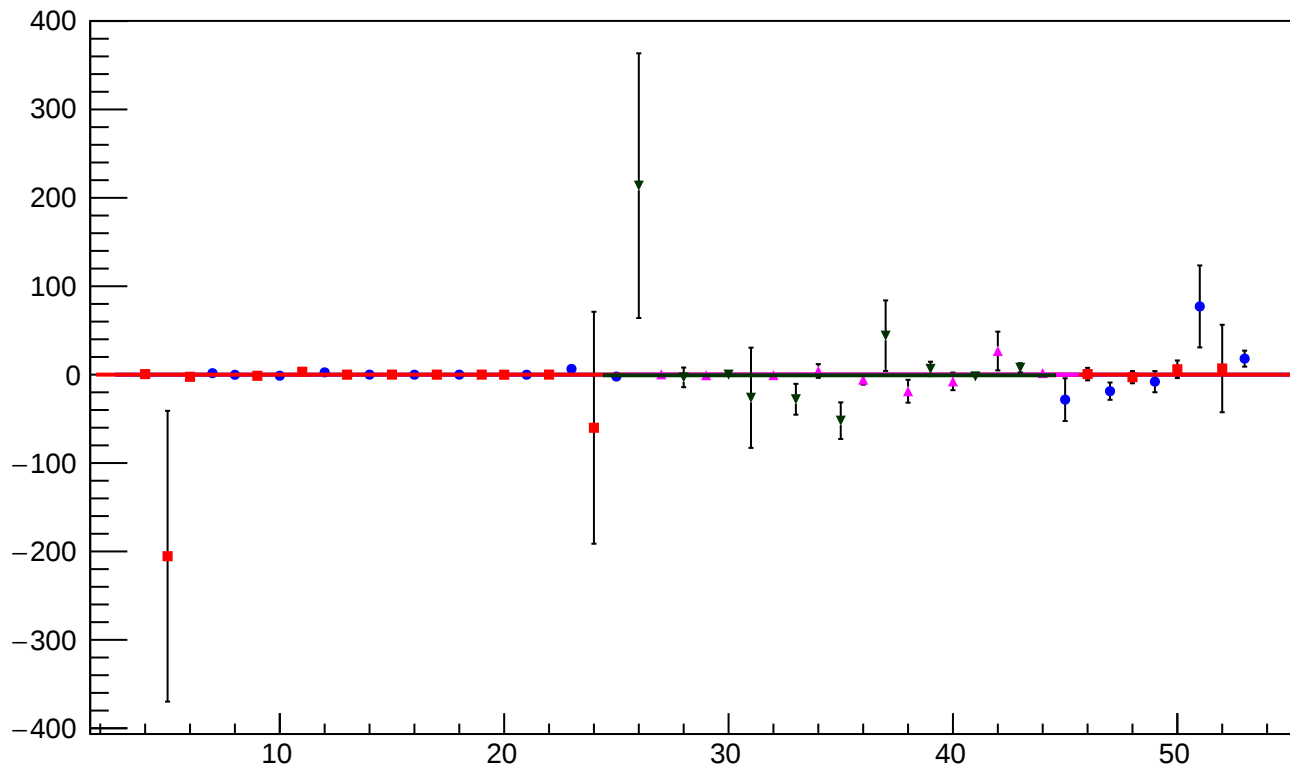


diff_cav4bX_mean vs slug



Right In: -0.014 ± 0.014

Left Out: -0.705 ± 1.554

Right Out: 0.017 ± 0.016

Left In: -0.086 ± 0.168

$\chi^2/\text{NDF}: 30.2/14$

$\chi^2/\text{NDF}: 16.1/9$

$\chi^2/\text{NDF}: 19.9/15$

$\chi^2/\text{NDF}: 15.5/8$

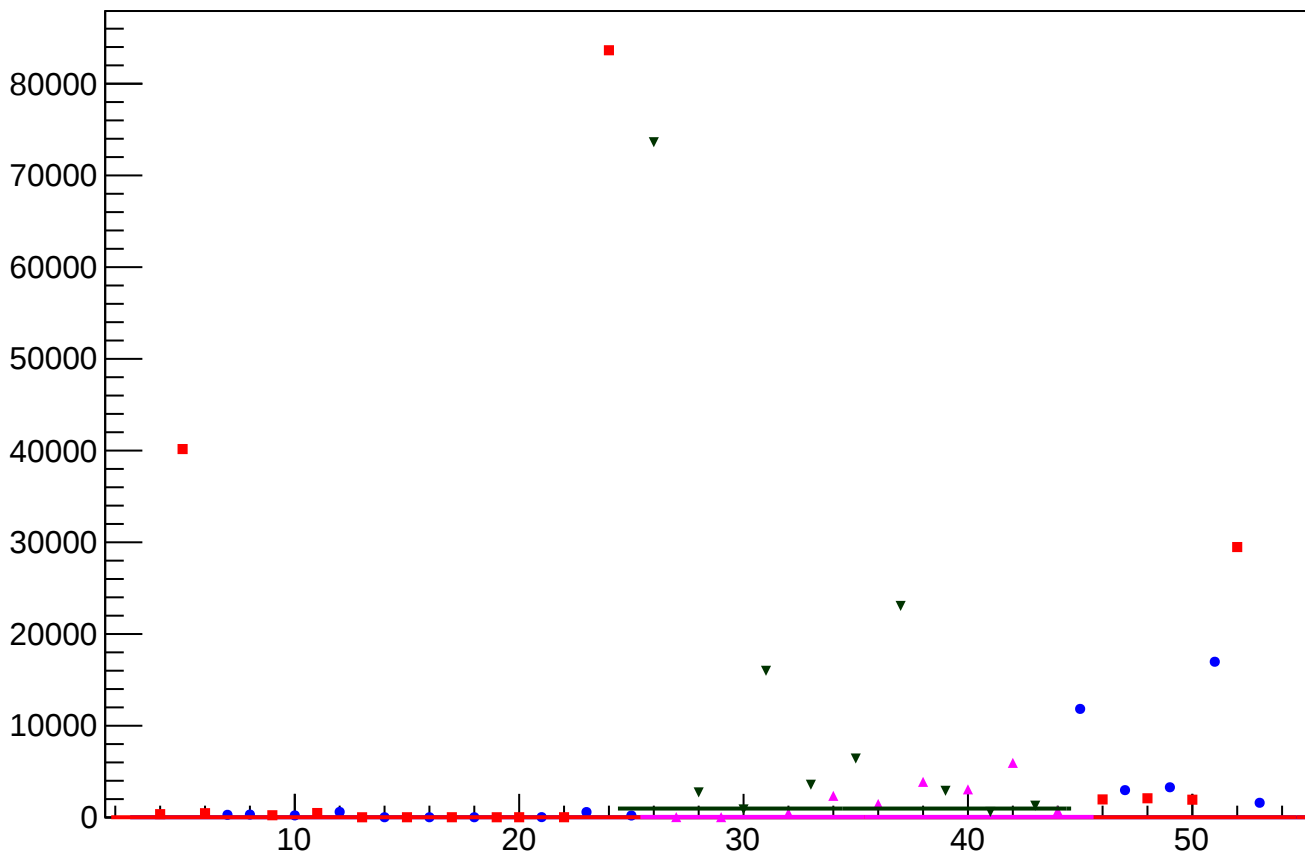
-0.014 ± 0.014

0.016 ± 0.016

$\chi^2/\text{NDF}: 46.4/24$

$\chi^2/\text{NDF}: 35.8/24$

diff_cav4bX_rms vs slug



Right In: 22.419+/-0.010 χ^2/NDF : 1906522.3/14

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

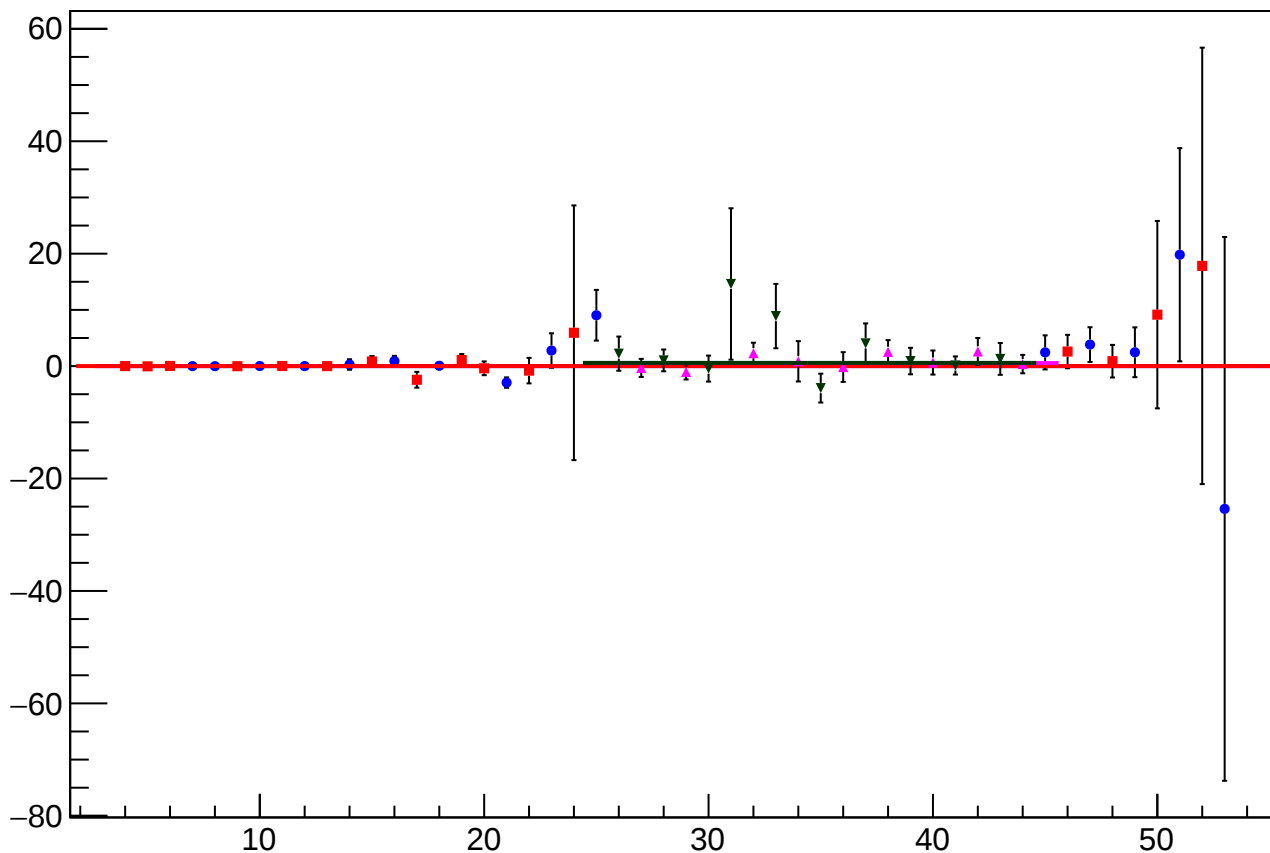
Right Out: 22.605+/-0.011 χ^2/NDF : 2524793.2/15

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

22.500+/-0.010 χ^2/NDF : 4296593.1/24

22.960+/-0.011 χ^2/NDF : 4203445.9/24

diff_cav4bY_mean vs slug



Right In: -0.001 ± 0.006 χ^2/NDF : 22.0/14

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

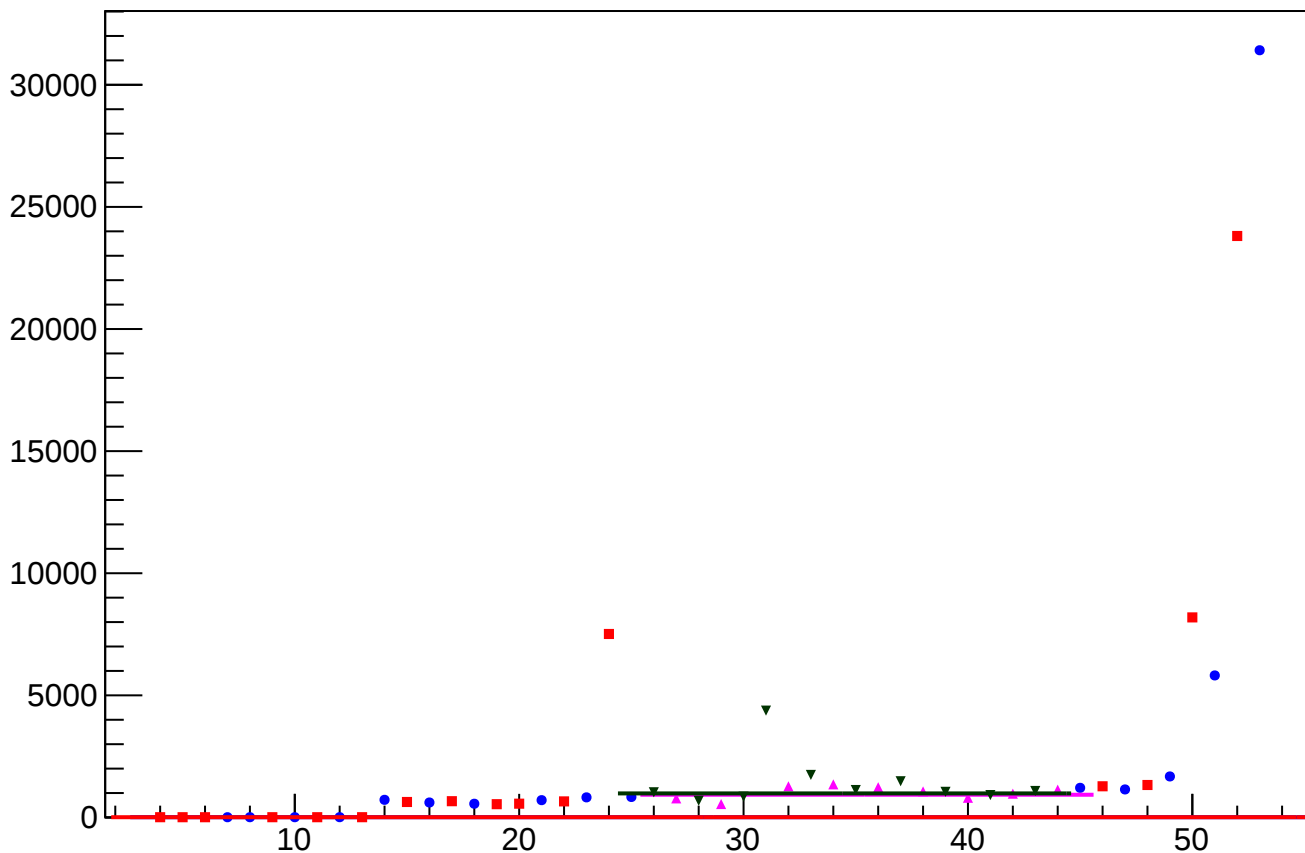
Right Out: 0.002 ± 0.005 χ^2/NDF : 18.3/15

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

-0.001 ± 0.006 χ^2/NDF : 30.4/24

0.002 ± 0.005 χ^2/NDF : 23.3/24

diff_cav4bY_rms vs slug



Right In: 10.505+/-0.005 χ^2/NDF : 6177661.8/14

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

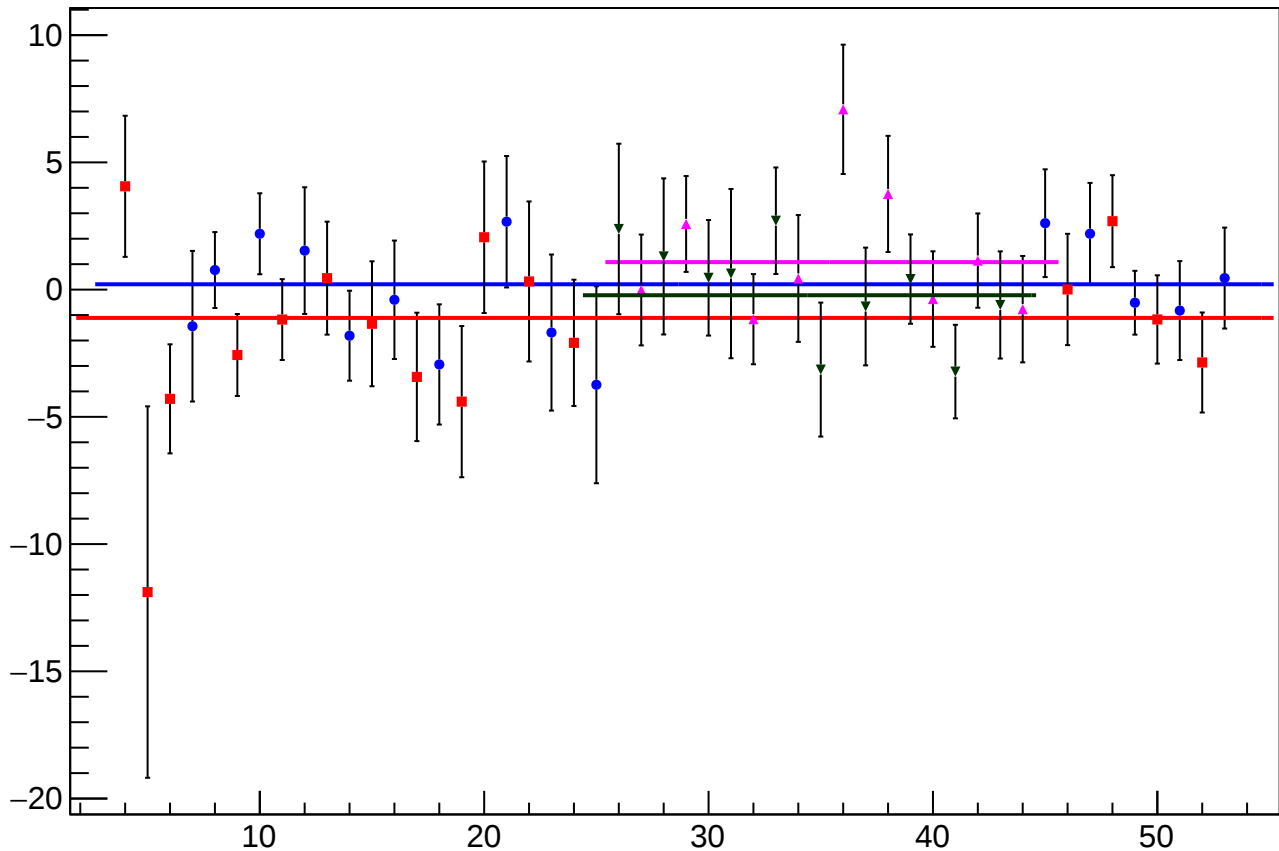
Right Out: 10.085+/-0.004 χ^2/NDF : 4573490.4/15

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

10.567+/-0.005 χ^2/NDF : 9327790.9/24

10.151+/-0.004 χ^2/NDF : 9048637.9/24

diff_cav4cX_mean vs slug



Right In: 0.210 ± 0.516 χ^2/NDF : 10.7/14

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

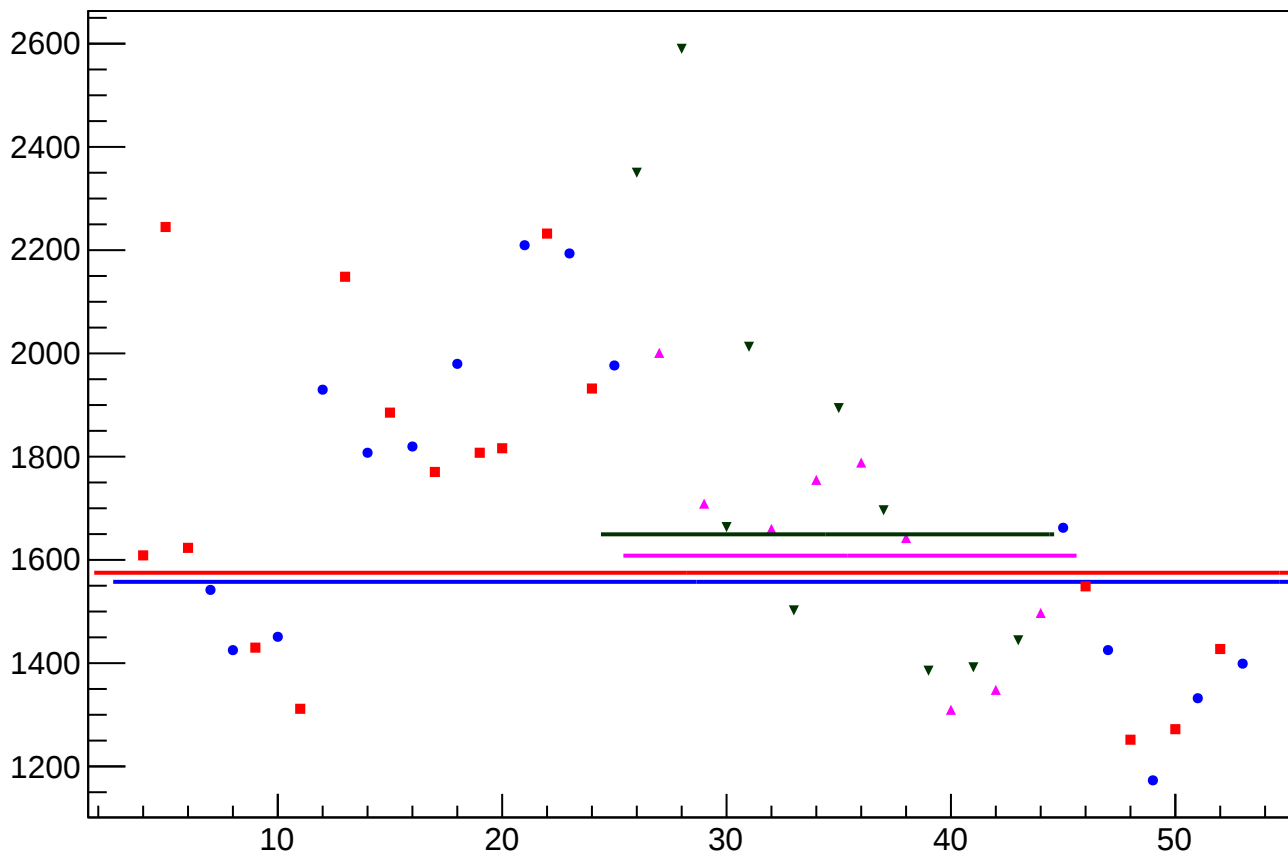
Right Out: -1.112 ± 0.553 χ^2/NDF : 18.2/15

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

0.066 ± 0.421 χ^2/NDF : 18.0/24

-0.249 ± 0.431 χ^2/NDF : 35.3/24

diff_cav4cX_rms vs slug



Right In: 1557.530+/-0.365 χ^2/NDF : 677161.9/14

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

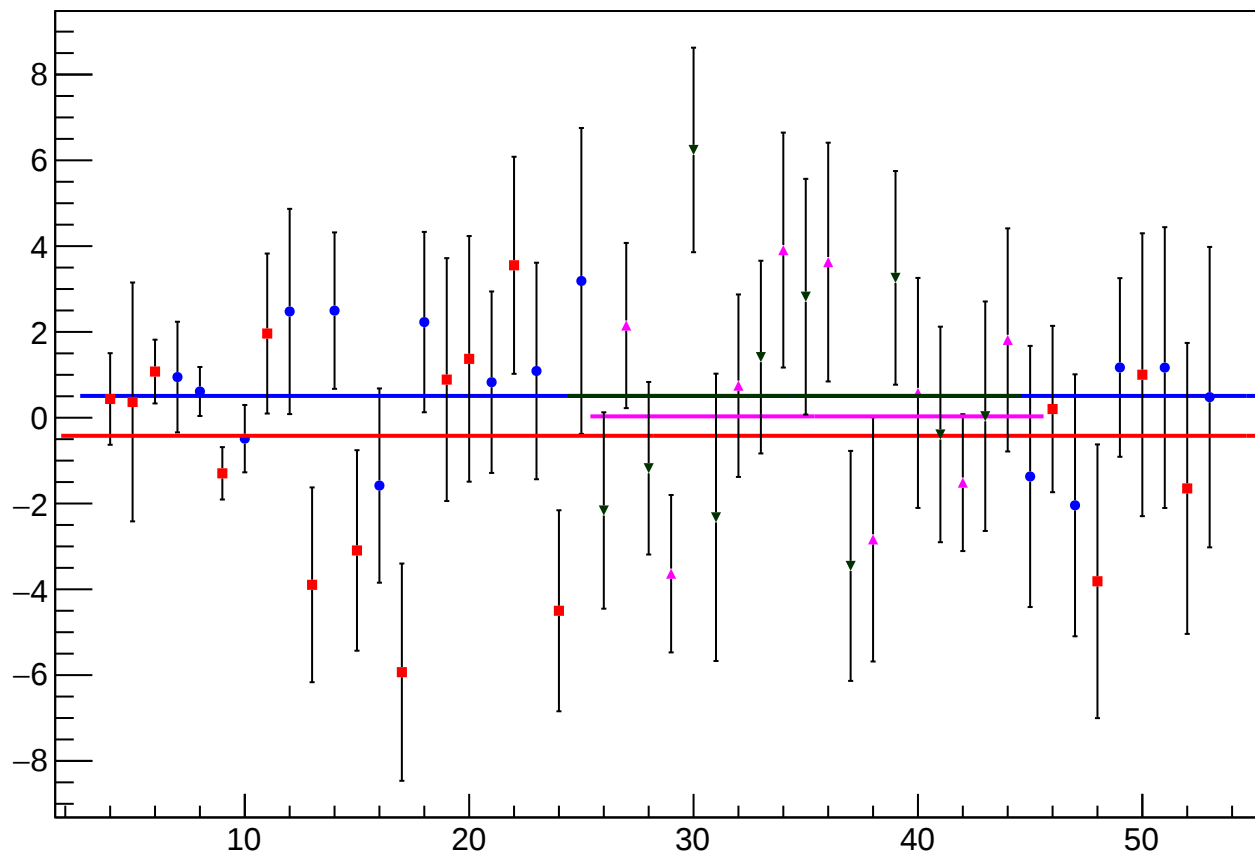
Right Out: 1575.140+/-0.391 χ^2/NDF : 557442.3/15

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

1588.285+/-0.298 χ^2/NDF : 1129377.8/24

1588.167+/-0.304 χ^2/NDF : 745864.9/24

diff_cav4cY_mean vs slug



Right In: 0.508 ± 0.371 χ^2/NDF : 7.0/14

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

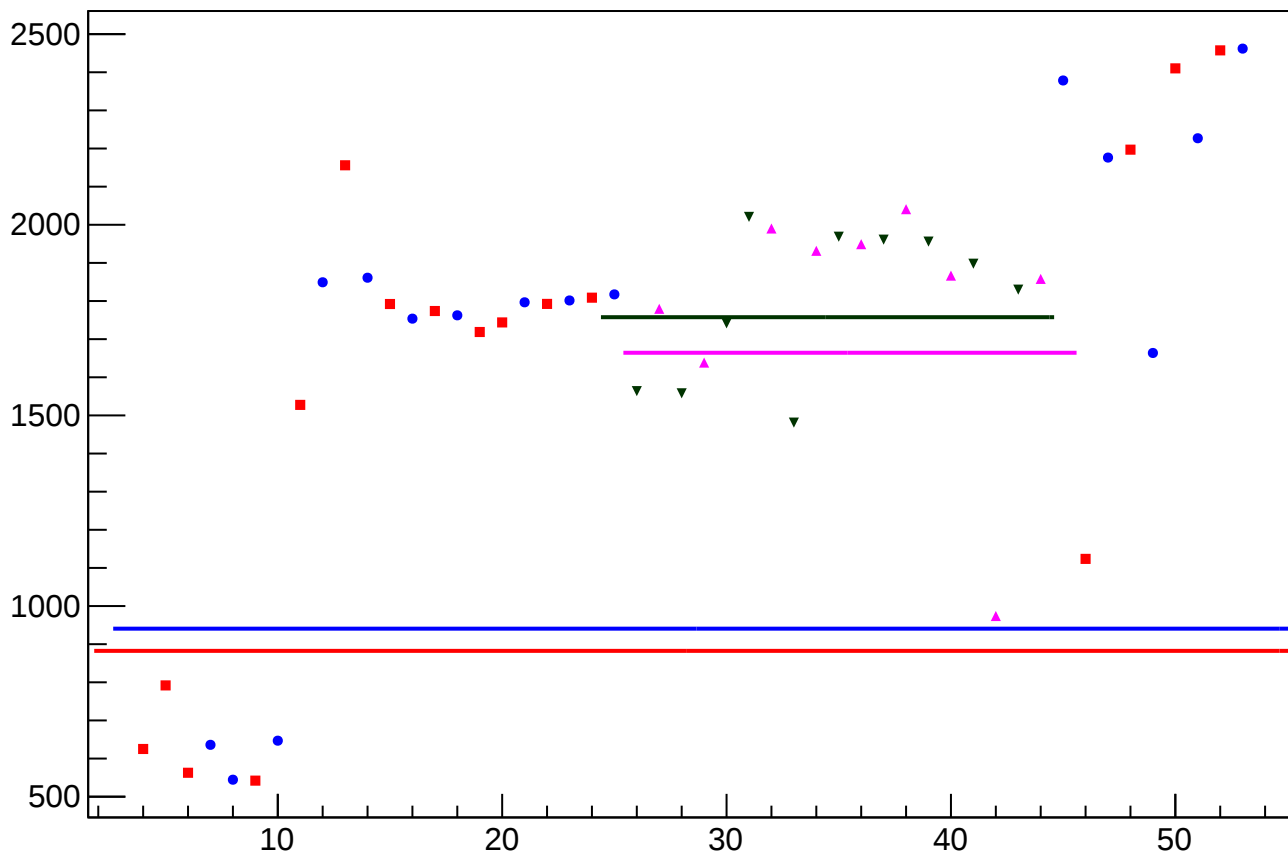
Right Out: -0.421 ± 0.366 χ^2/NDF : 24.5/15

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

0.508 ± 0.335 χ^2/NDF : 20.0/24

-0.331 ± 0.328 χ^2/NDF : 36.3/24

diff_cav4cY_rms vs slug



Right In: 940.695 $\pm$ 0.262 χ^2 /NDF: 5097907.4/14

Left Out: 1757.602 $\pm$ 0.553 χ^2 /NDF:120517.6/9

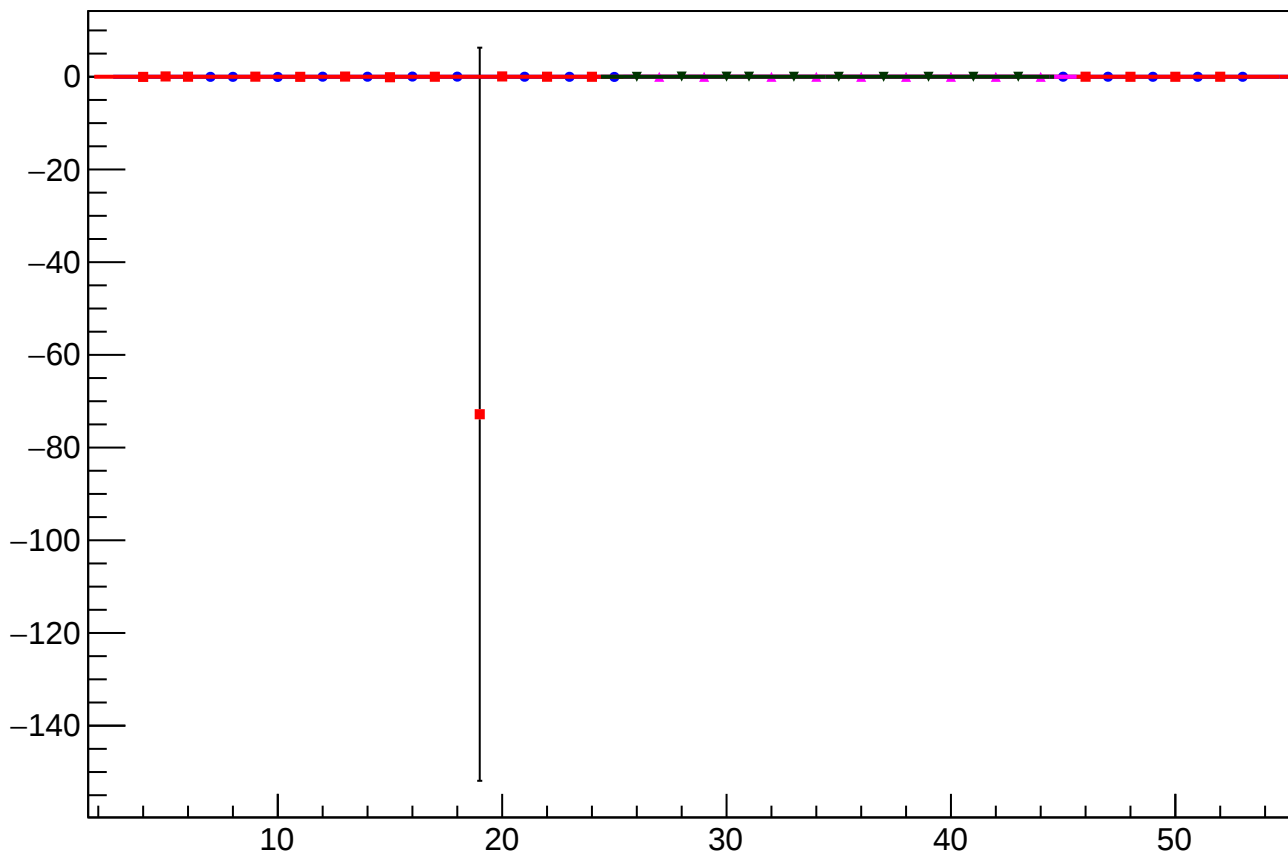
Right Out: 882.465 $\pm$ 0.259 χ^2 /NDF: 4687859.4/15

Left In: 1664.321 $\pm$ 0.519 χ^2 /NDF:526488.2/8

1090.574 $\pm$ 0.237 χ^2 /NDF: 6997715.7/24

1038.251 $\pm$ 0.232 χ^2 /NDF: 7028840.9/24

diff_cav4dX_mean vs slug



Right In: 0.001+/-0.004 χ^2/NDF : 8.7/14

Left Out: 0.001+/-0.004 χ^2/NDF : 8.6/9

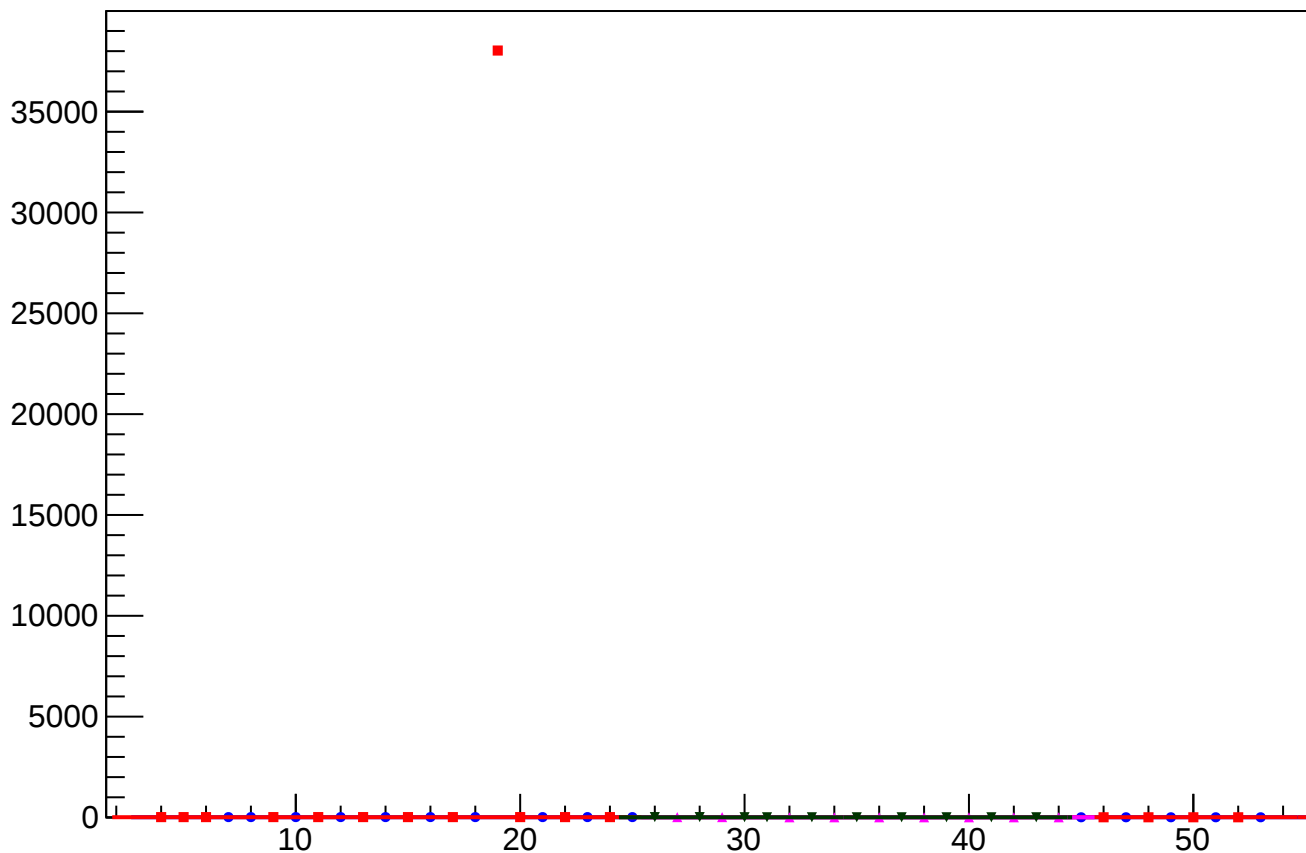
Right Out: 0.007+/-0.005 χ^2/NDF : 12.8/15

Left In: -0.003+/-0.004 χ^2/NDF : 1.2/8

0.001+/-0.003 χ^2/NDF : 17.3/24

0.001+/-0.003 χ^2/NDF : 16.5/24

diff_cav4dX_rms vs slug



Right In: 11.375 $\pm$ 0.003 χ^2 /NDF: 1735163.8/14

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

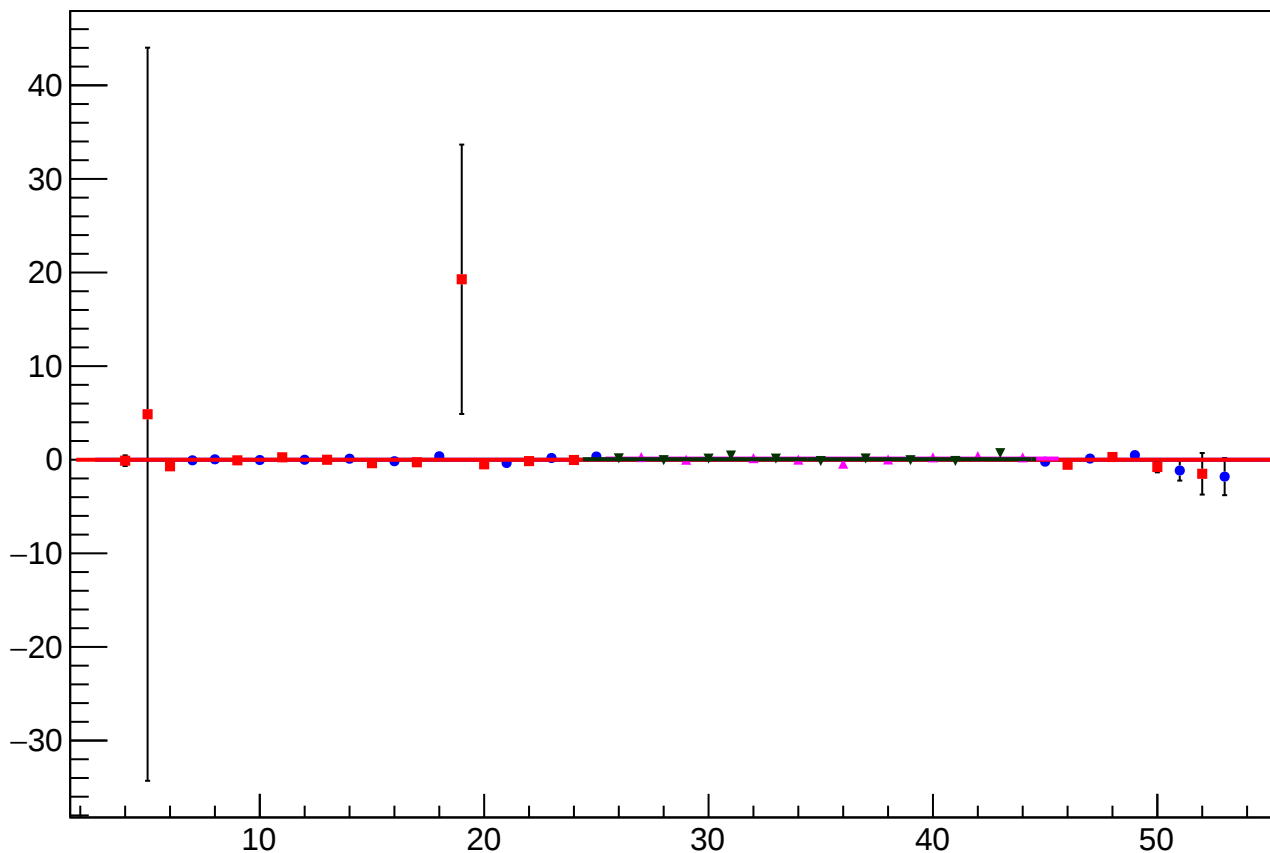
Right Out: 12.066 $\pm$ 0.003 χ^2 /NDF: 1994623.2/15

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

10.331 $\pm$ 0.002 χ^2 /NDF: 2554358.1/24

10.478 $\pm$ 0.002 χ^2 /NDF: 3106531.9/24

diff_cav4dY_mean vs slug



Right In: -0.003+/-0.003 χ^2 /NDF: 20.2/14

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

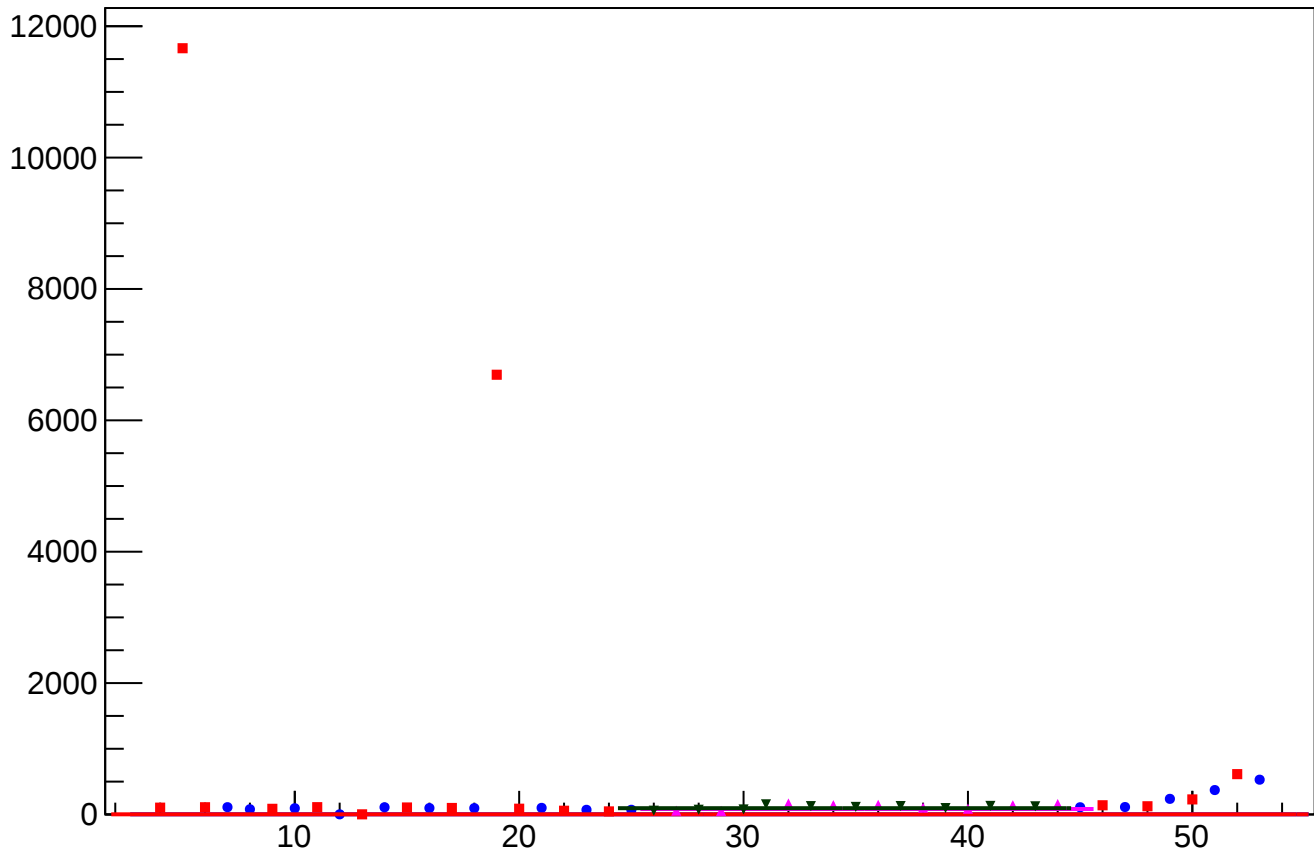
Right Out: -0.003+/-0.003 χ^2 /NDF: 18.6/15

Left In: 0.127+/-0.053 χ^2 /NDF:9.8/8

-0.002+/-0.003 χ^2 /NDF: 32.7/24

-0.002+/-0.003 χ^2 /NDF: 34.2/24

diff_cav4dY_rms vs slug



Right In: 2.208 $\pm$ 0.002 χ^2 /NDF: 8231885.9/14

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

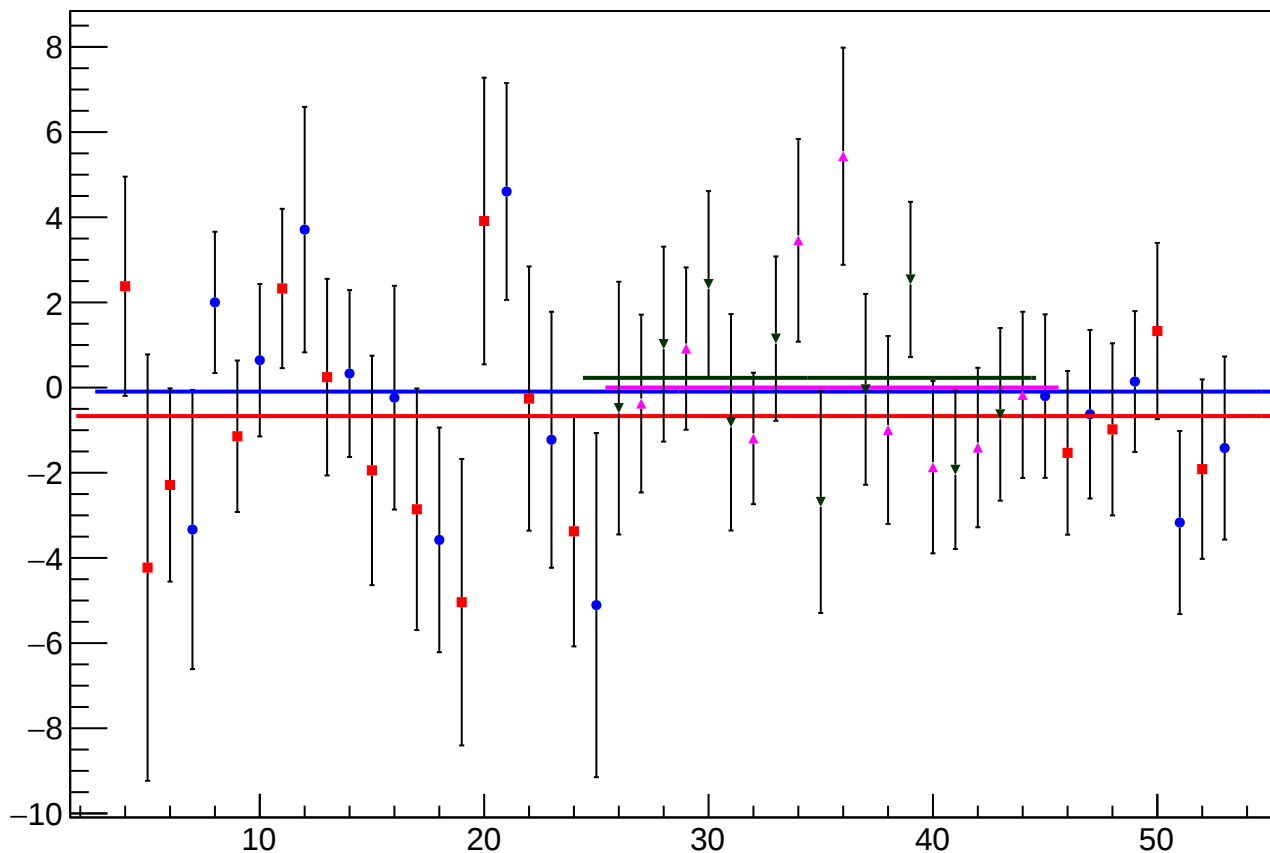
Right Out: 2.094 $\pm$ 0.002 χ^2 /NDF: 5559009.0/15

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

2.469 $\pm$ 0.002 χ^2 /NDF: 13809842.8/24

2.354 $\pm$ 0.002 χ^2 /NDF: 11222104.4/24

diff_bpm4aX_mean vs slug



Right In: -0.094 ± 0.569 $\chi^2/\text{NDF}: 13.9/14$

Left Out: 0.229 ± 0.687 $\chi^2/\text{NDF}: 6.0/9$

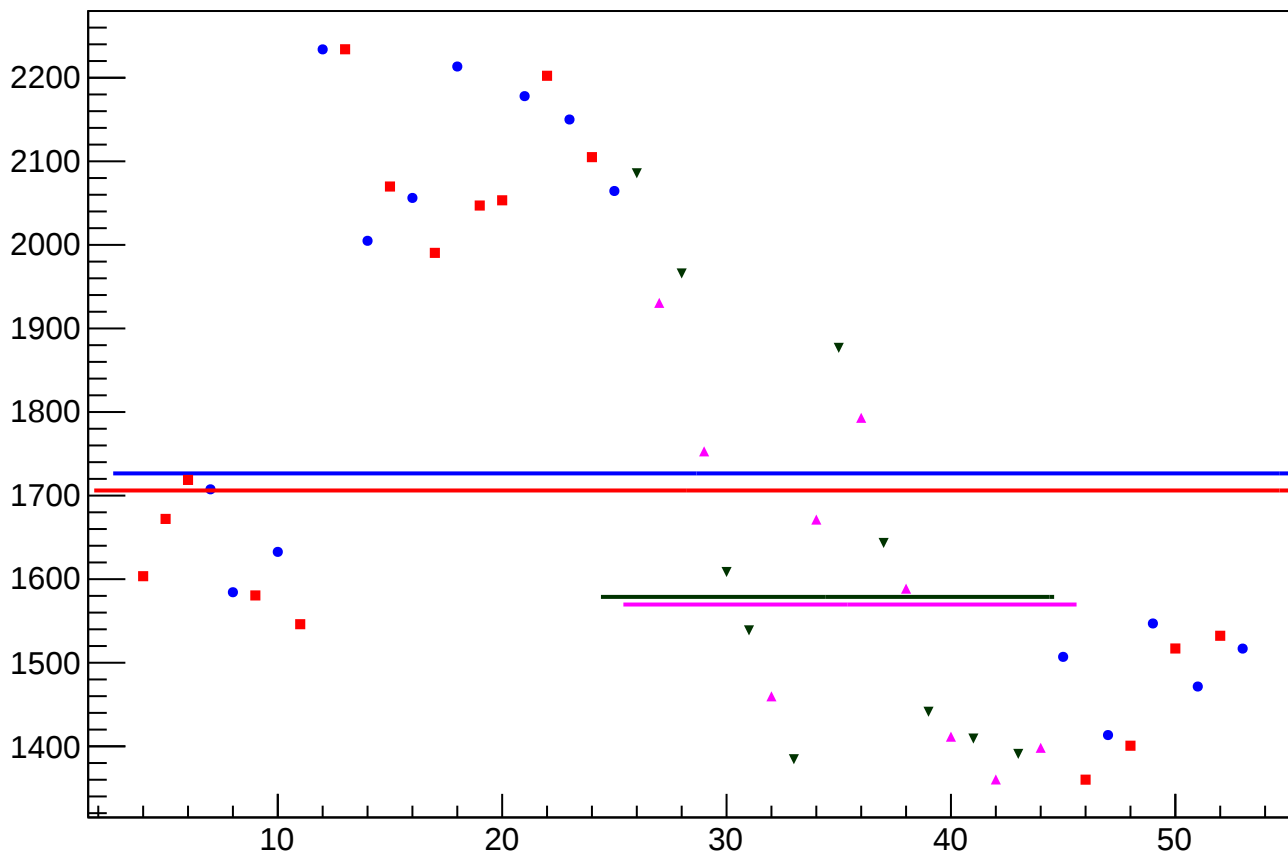
Right Out: -0.669 ± 0.595 $\chi^2/\text{NDF}: 12.1/15$

Left In: 0.002 ± 0.666 $\chi^2/\text{NDF}: 9.1/8$

0.037 ± 0.438 $\chi^2/\text{NDF}: 20.0/24$

-0.372 ± 0.444 $\chi^2/\text{NDF}: 21.8/24$

diff_bpm4aX_rms vs slug



Right In: 1726.556+/-0.402 χ^2/NDF : 485783.0/14

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

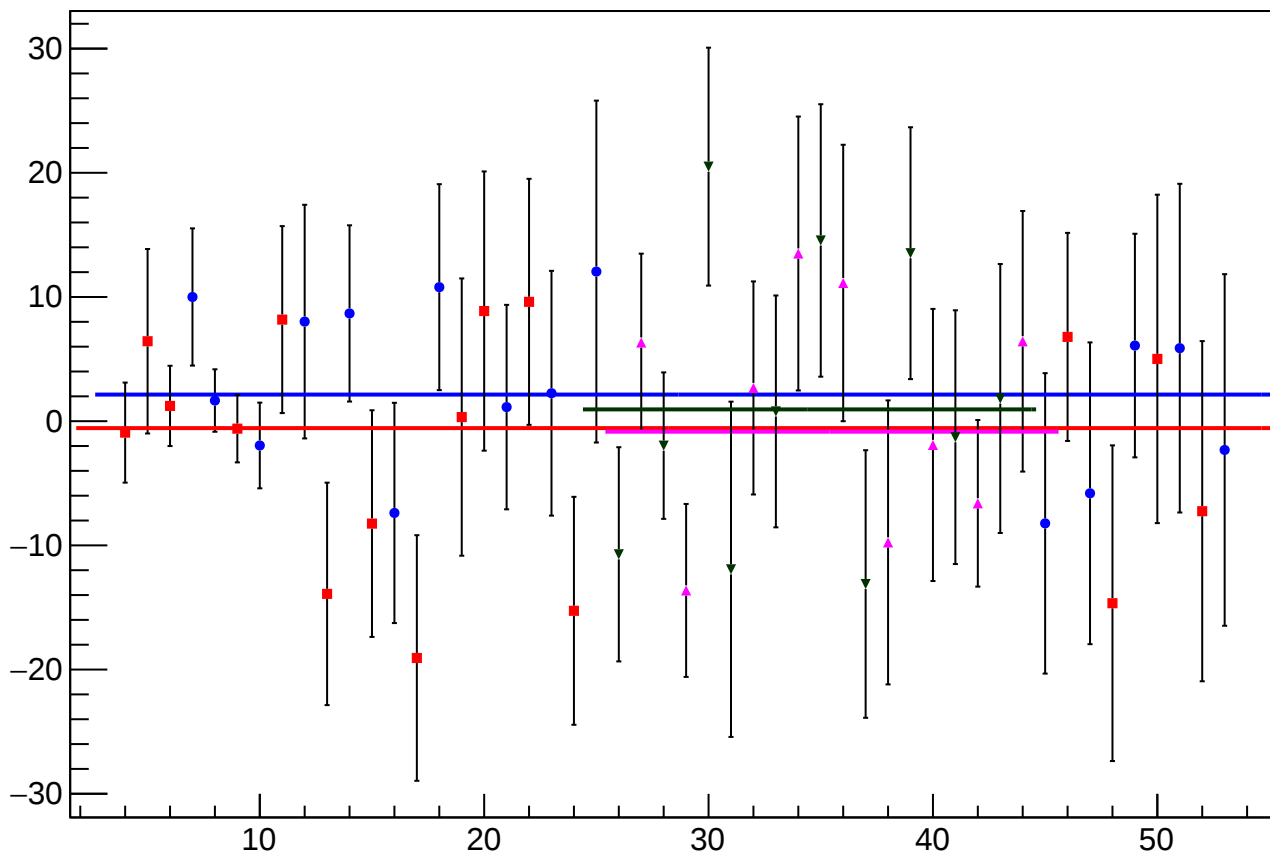
Right Out: 1706.124+/-0.420 χ^2/NDF : 466466.8/15

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

1666.488+/-0.310 χ^2/NDF : 750182.4/24

1645.639+/-0.314 χ^2/NDF : 673307.1/24

diff_bpm4aY_mean vs slug



Right In: 2.142 ± 1.581 χ^2/NDF : 9.0/14

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

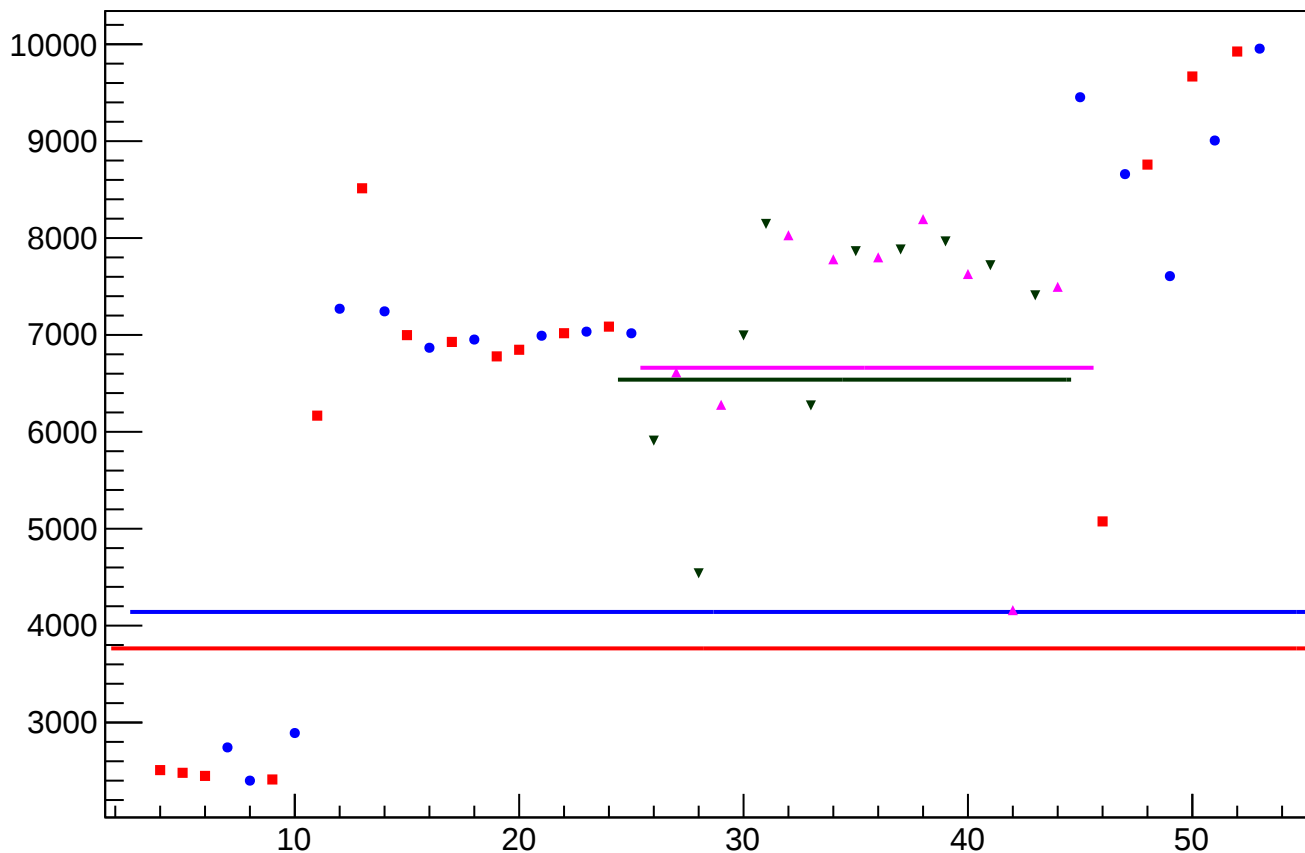
Right Out: -0.558 ± 1.520 χ^2/NDF : 15.7/15

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

1.876 ± 1.393 χ^2/NDF : 21.1/24

-0.620 ± 1.348 χ^2/NDF : 25.0/24

diff_bpm4aY_rms vs slug



Right In: 4141.131+/-1.118 χ^2/NDF : 4437521.6/14

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

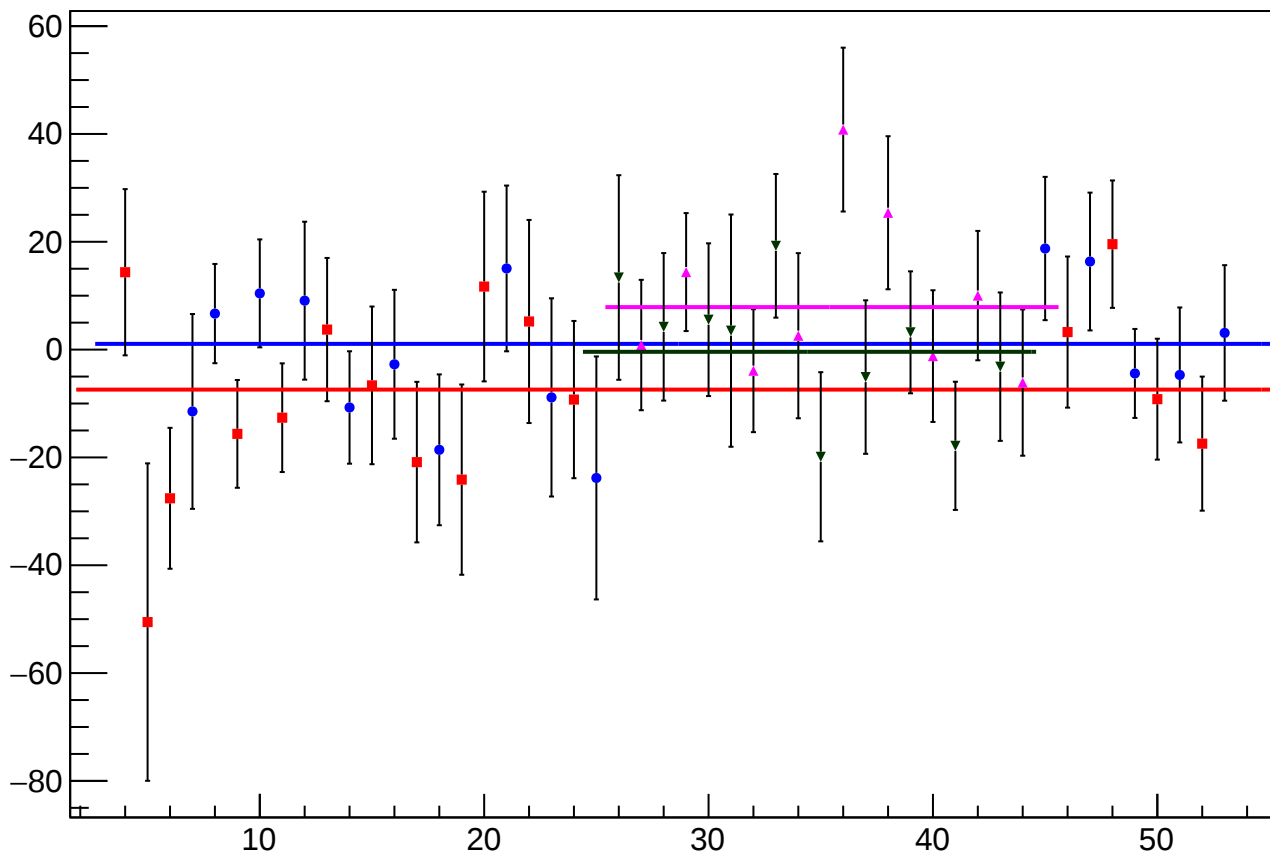
4675.577+/-0.985 χ^2/NDF : 5877718.3/24

Right Out: 3764.883+/-1.075 χ^2/NDF : 4238102.2/15

4382.411+/-0.953 χ^2/NDF : 6227633.3/24

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

diff_bpm4eX_mean vs slug



Right In: 1.063 ± 3.204 $\chi^2/\text{NDF}: 11.6/14$

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

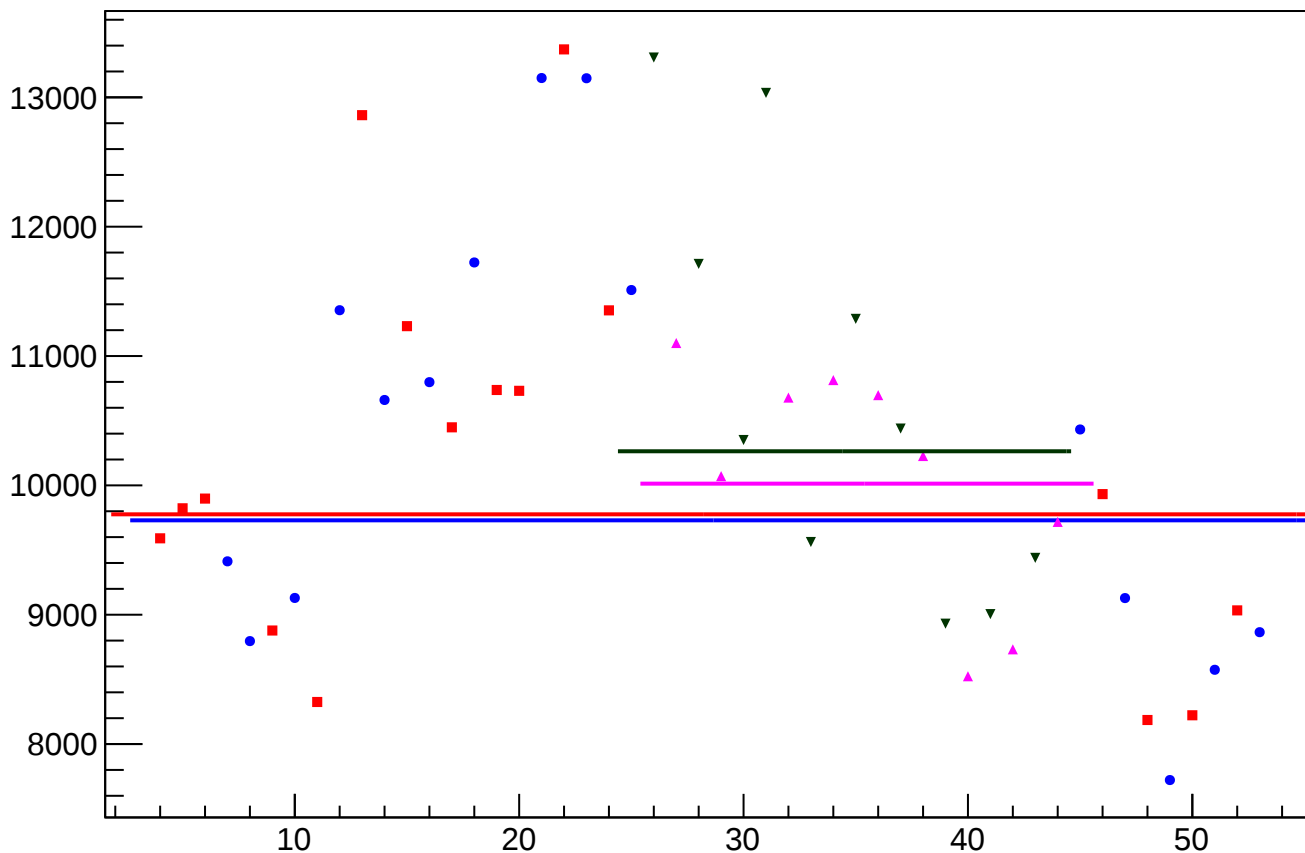
Right Out: -7.418 ± 3.399 $\chi^2/\text{NDF}: 18.0/15$

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

0.563 ± 2.604 $\chi^2/\text{NDF}: 18.6/24$

-1.438 ± 2.653 $\chi^2/\text{NDF}: 35.7/24$

diff_bpm4eX_rms vs slug



Right In: 9729.734 $\pm$ 2.266 χ^2 /NDF: 457048.6/14

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

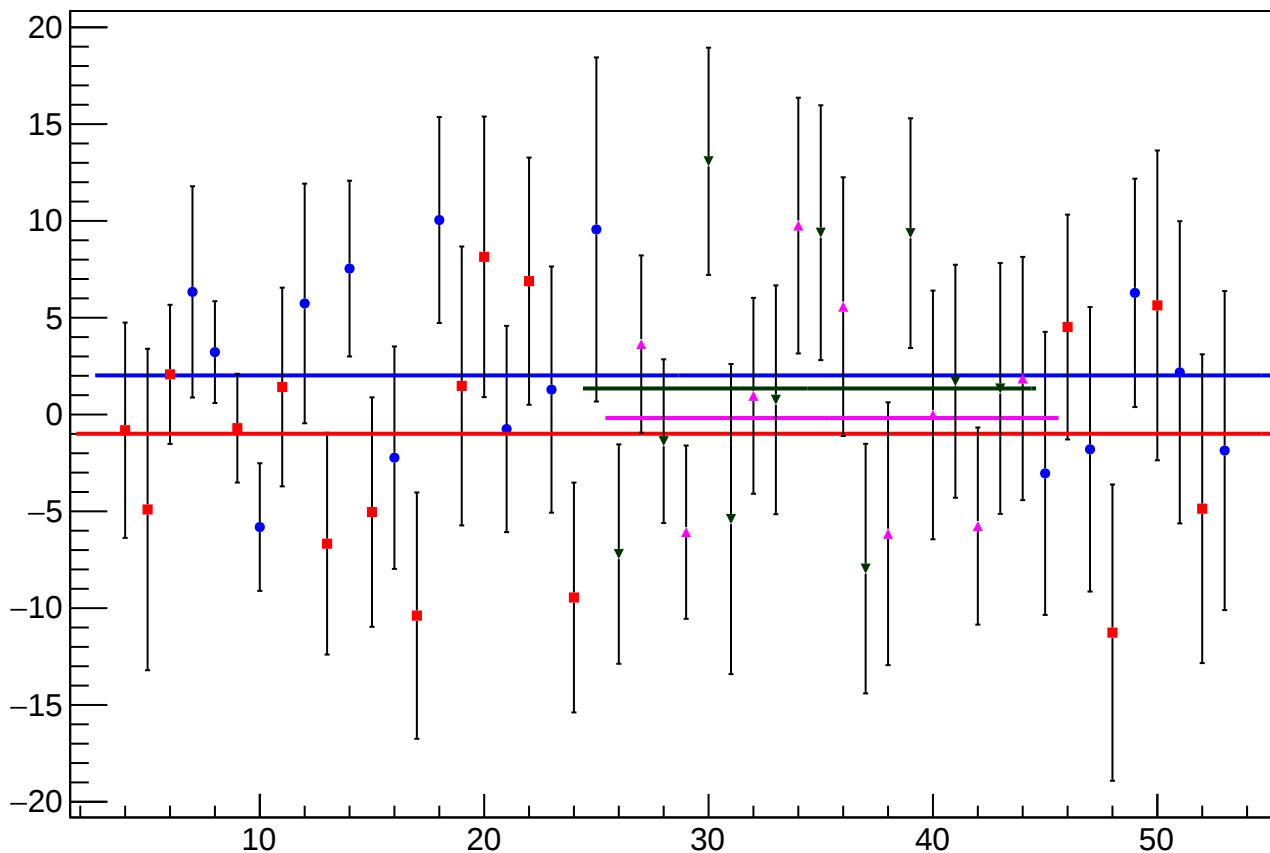
Right Out: 9776.175 $\pm$ 2.404 χ^2 /NDF: 379799.0/15

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

9910.981 $\pm$ 1.841 χ^2 /NDF: 654696.7/24

9868.855 $\pm$ 1.876 χ^2 /NDF: 470092.0/24

diff_bpm4eY_mean vs slug



Right In: 2.021 ± 1.313 χ^2/NDF : 13.6/14

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

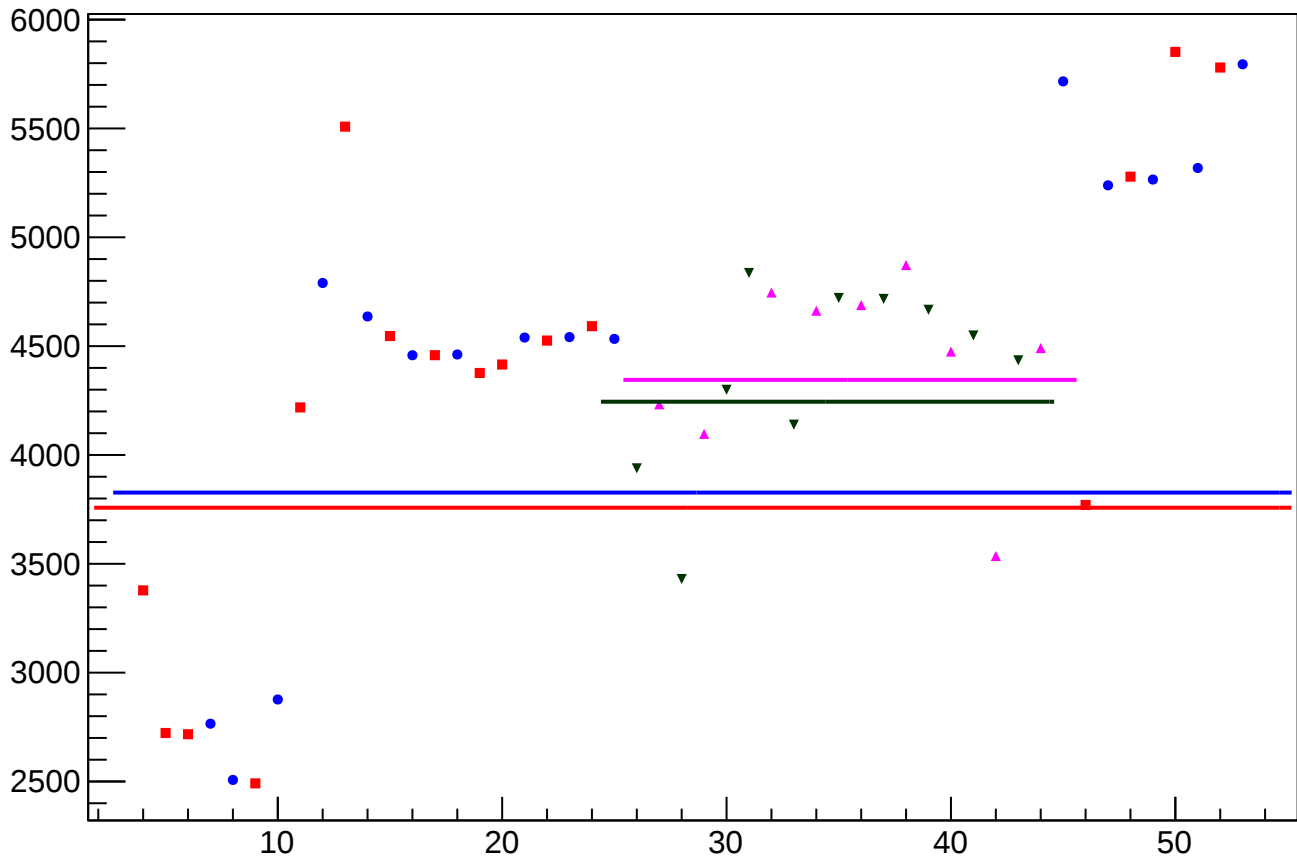
Right Out: -0.992 ± 1.358 χ^2/NDF : 13.7/15

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

1.797 ± 1.074 χ^2/NDF : 26.6/24

-0.708 ± 1.095 χ^2/NDF : 21.4/24

diff_bpm4eY_rms vs slug



Right In: 3827.298 $\pm$ 0.928 χ^2 /NDF: 1497371.7/14

Left Out: 4244.655 $\pm$ 1.319 χ^2 /NDF:130015.1/9

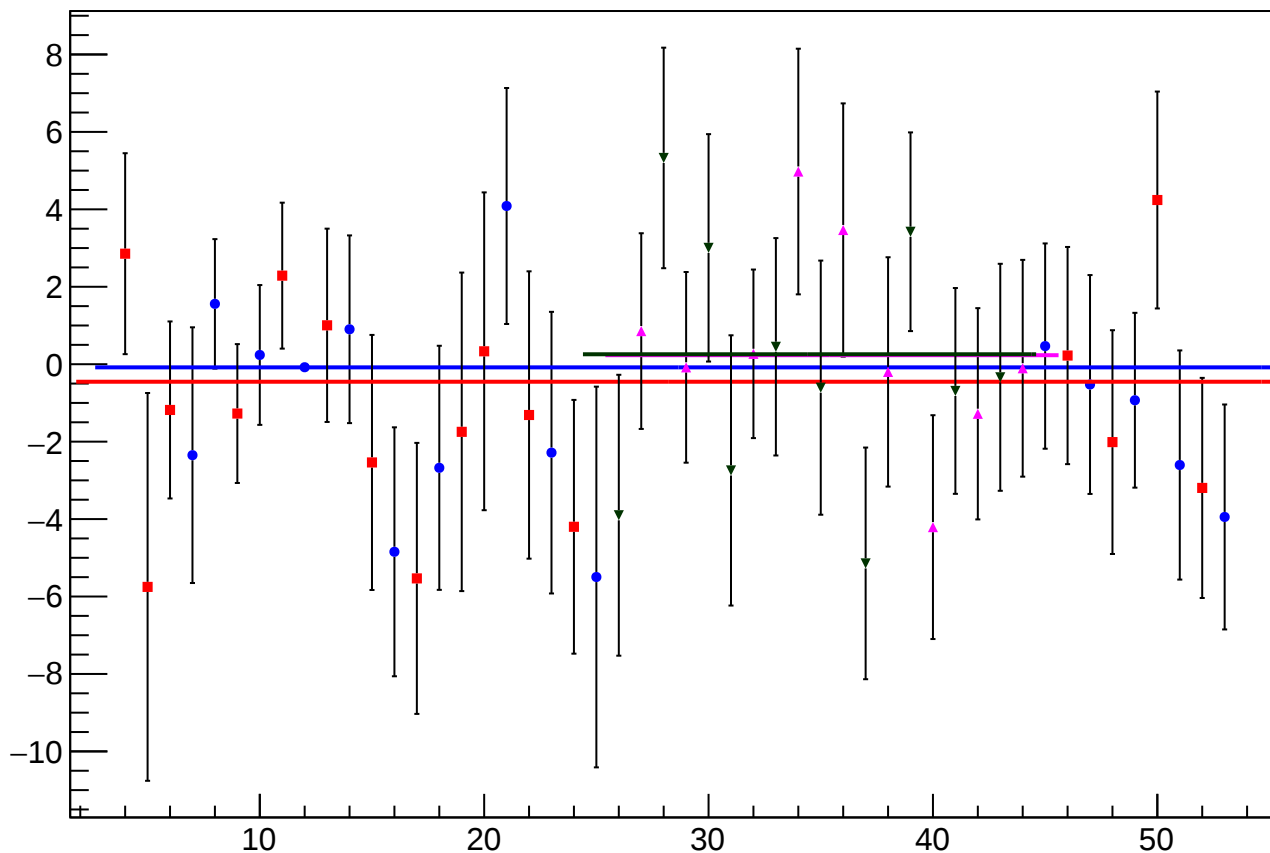
3965.536 $\pm$ 0.759 χ^2 /NDF: 1694346.3/24

Right Out: 3757.762 $\pm$ 0.960 χ^2 /NDF: 1321815.4/15

3963.308 $\pm$ 0.774 χ^2 /NDF: 1547024.7/24

Left In: 4345.018 $\pm$ 1.309 χ^2 /NDF:94341.4/8

diff_bpm4acX_mean vs slug



Right In: -0.081 ± 0.060 χ^2/NDF : 10.7/14

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

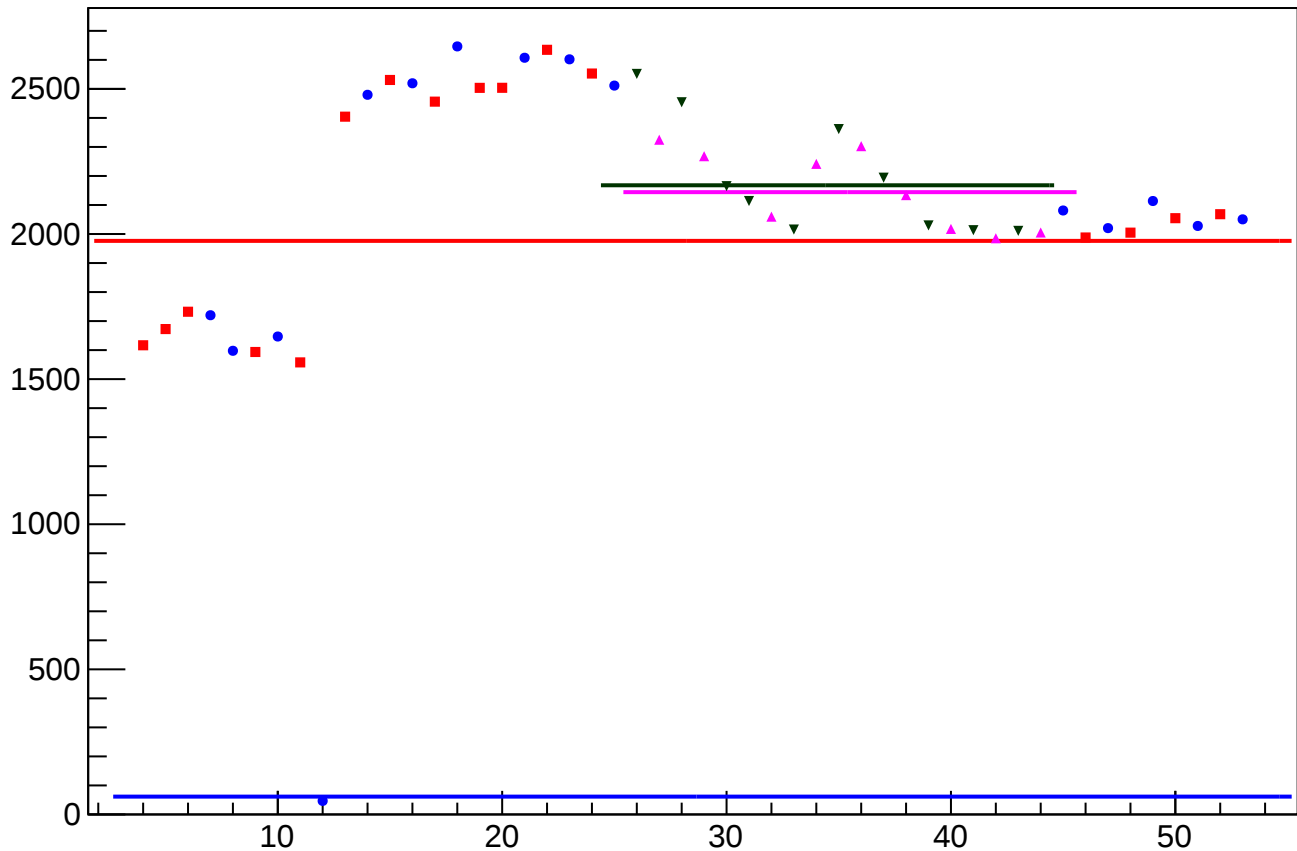
Right Out: -0.453 ± 0.692 χ^2/NDF : 13.6/15

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

-0.080 ± 0.060 χ^2/NDF : 21.9/24

-0.200 ± 0.550 χ^2/NDF : 20.0/24

diff_bpm4acX_rms vs slug



Right In: 61.480 $\pm$ 0.042 χ^2 /NDF: 16822079.3/14

Left Out: 2167.933 $\pm$ 0.663 χ^2 /NDF: 74393.9/9

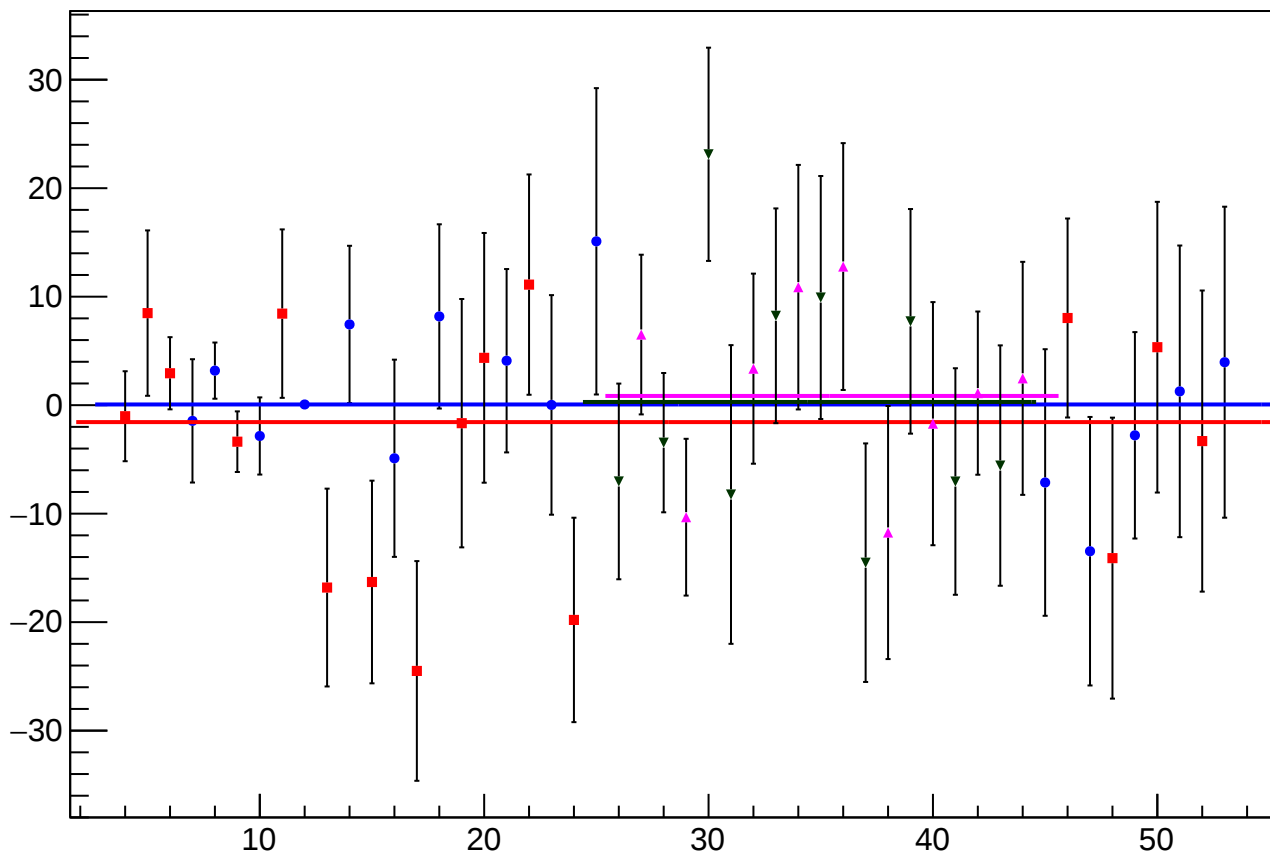
70.106 $\pm$ 0.042 χ^2 /NDF: 26959202.2/24

Right Out: 1976.352 $\pm$ 0.489 χ^2 /NDF: 606137.7/15

2038.295 $\pm$ 0.389 χ^2 /NDF: 690040.3/24

Left In: 2144.257 $\pm$ 0.640 χ^2 /NDF: 40455.1/8

diff_bpm4acY_mean vs slug



Right In: 0.065 ± 0.052 $\chi^2/\text{NDF}: 7.5/14$

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

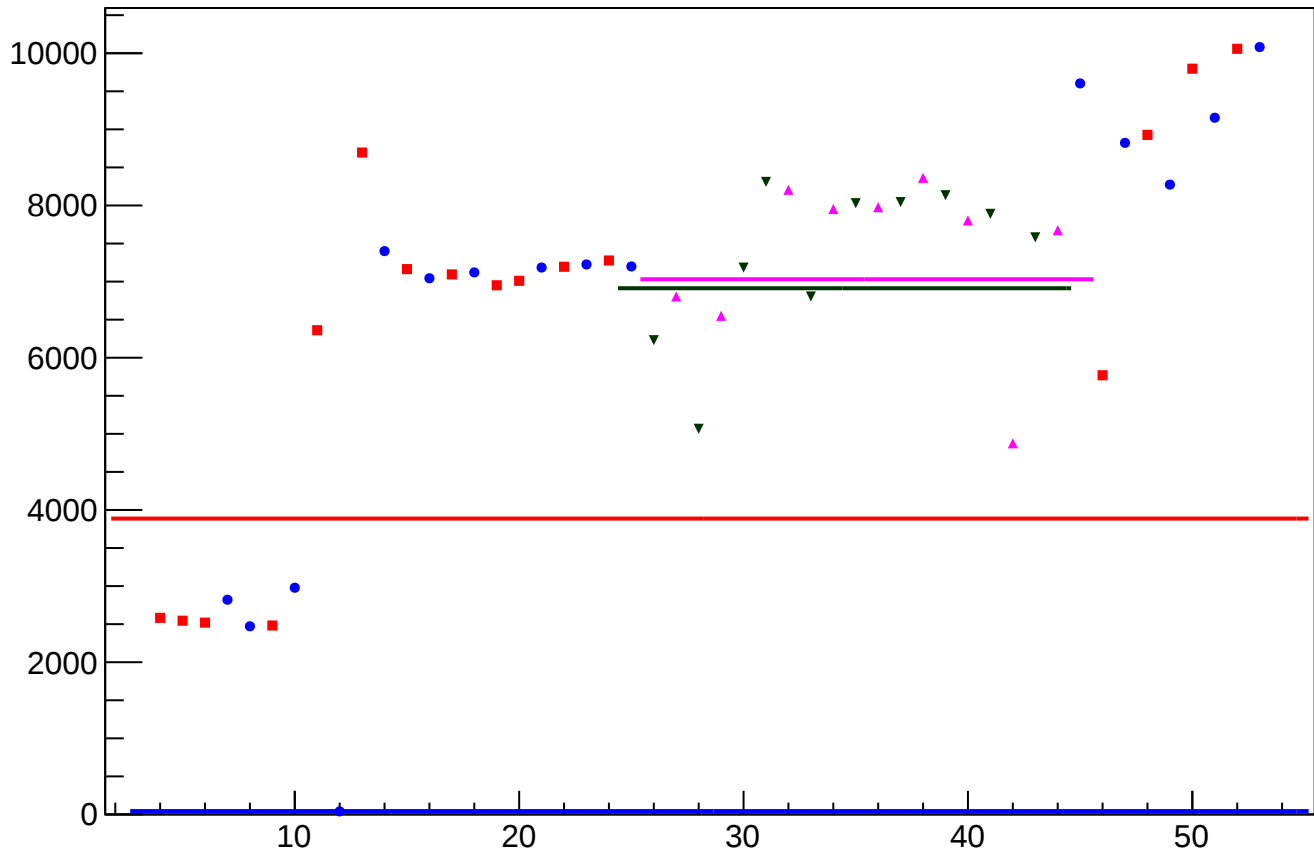
Right Out: -1.561 ± 1.565 $\chi^2/\text{NDF}: 24.0/15$

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

0.065 ± 0.052 $\chi^2/\text{NDF}: 18.8/24$

-1.057 ± 1.392 $\chi^2/\text{NDF}: 30.7/24$

diff_bpm4acY_rms vs slug



Right In: 44.475+/-0.037 χ^2/NDF : 16803576.9/14

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

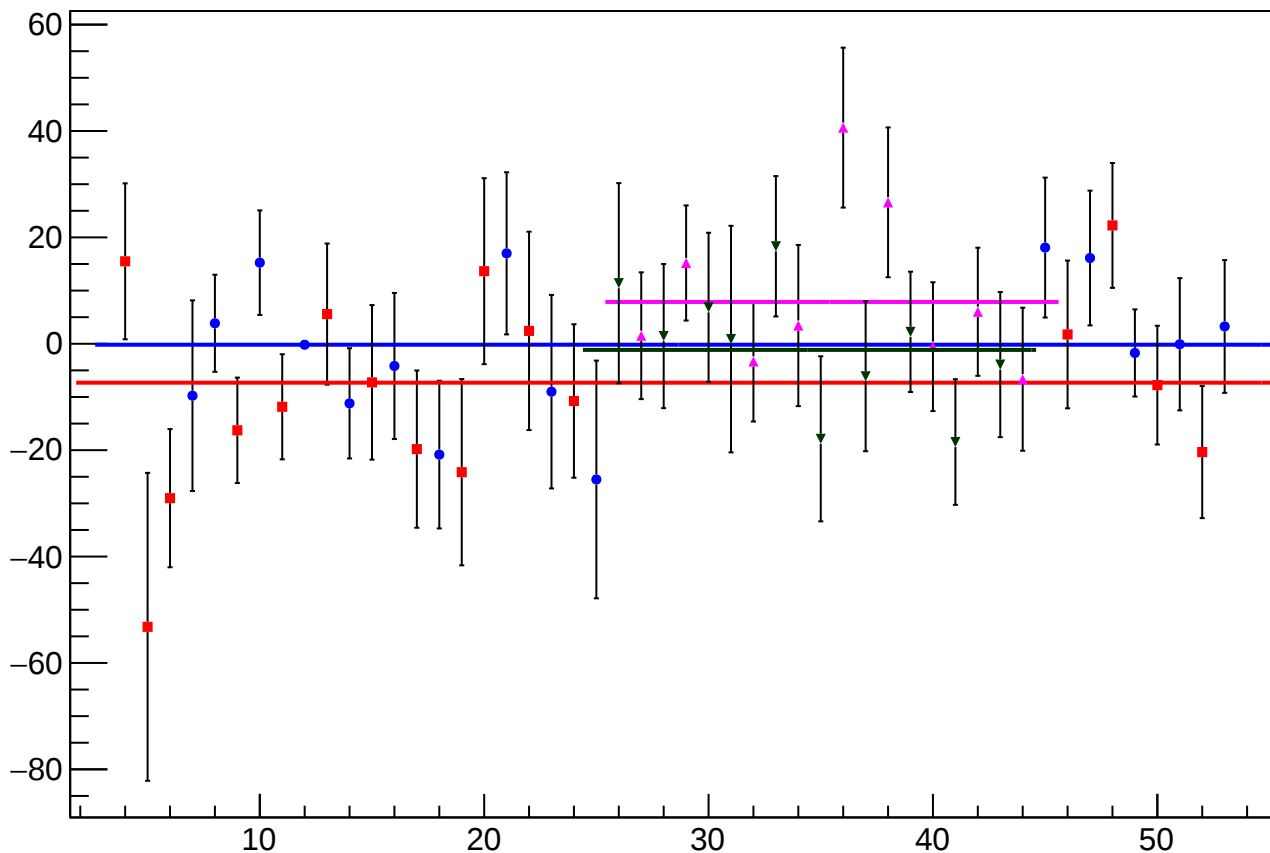
46.437+/-0.037 χ^2/NDF : 27027444.3/24

Right Out: 3887.013+/-1.106 χ^2/NDF : 4243333.8/15

4544.008+/-0.984 χ^2/NDF : 6211273.2/24

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

diff_bpm4ecX_mean vs slug



Right In: -0.175 ± 0.106 $\chi^2/\text{NDF}: 12.9/14$

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

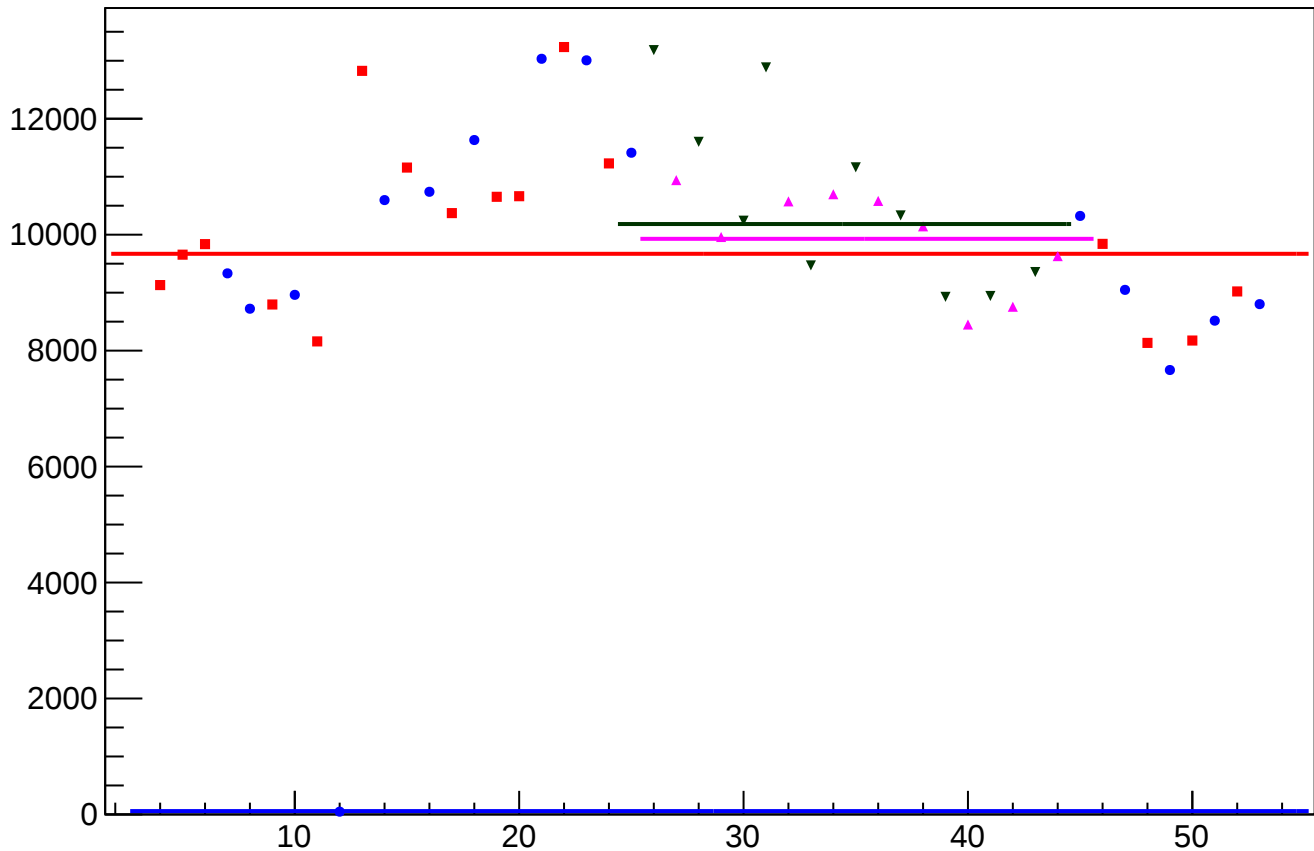
Right Out: -7.314 ± 3.364 $\chi^2/\text{NDF}: 21.0/15$

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

-0.176 ± 0.106 $\chi^2/\text{NDF}: 19.5/24$

-1.396 ± 2.627 $\chi^2/\text{NDF}: 38.9/24$

diff_bpm4ecX_rms vs slug



Right In: 58.211+/-0.075 χ^2/NDF : 17505015.4/14

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

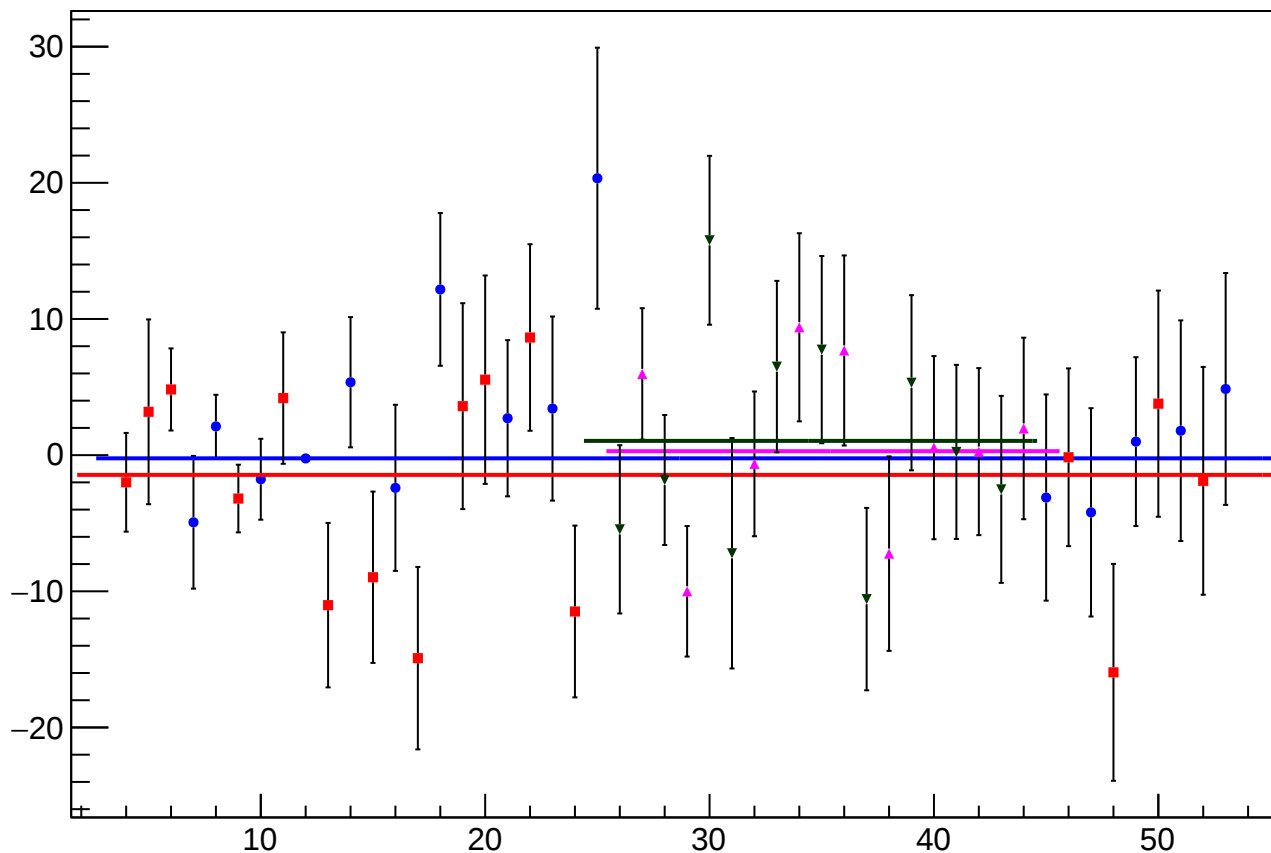
Right Out: 9670.206+/-2.379 χ^2/NDF : 389343.6/15

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

64.049+/-0.075 χ^2/NDF : 28102508.5/24

9770.932+/-1.858 χ^2/NDF : 474065.9/24

diff_bpm4ecY_mean vs slug



Right In: -0.234 ± 0.090 $\chi^2/\text{NDF}: 14.6/14$

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

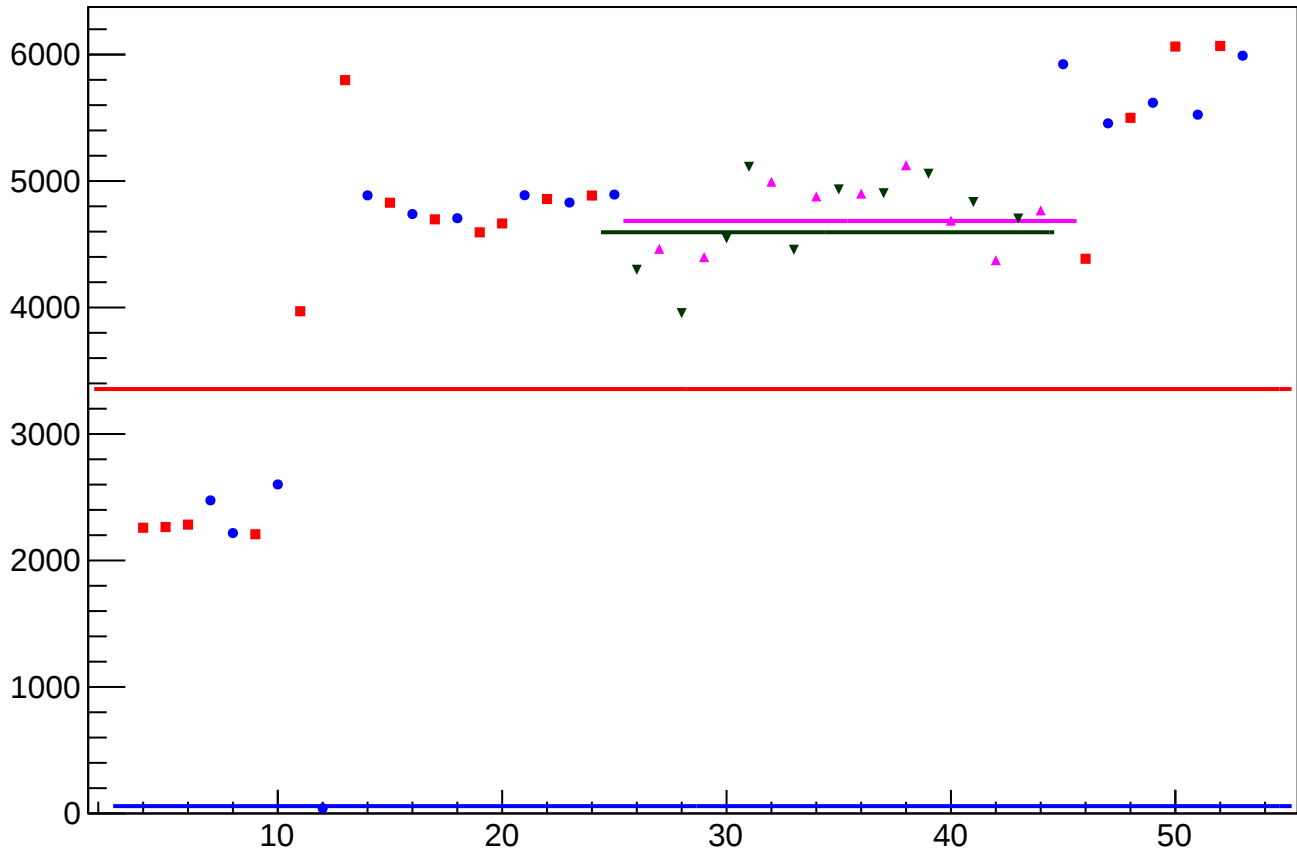
Right Out: -1.450 ± 1.253 $\chi^2/\text{NDF}: 24.4/15$

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

-0.232 ± 0.090 $\chi^2/\text{NDF}: 28.5/24$

-0.953 ± 1.060 $\chi^2/\text{NDF}: 35.0/24$

diff_bpm4ecY_rms vs slug



Right In: 57.888 ± 0.064 χ^2/NDF : 16959367.3/14

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

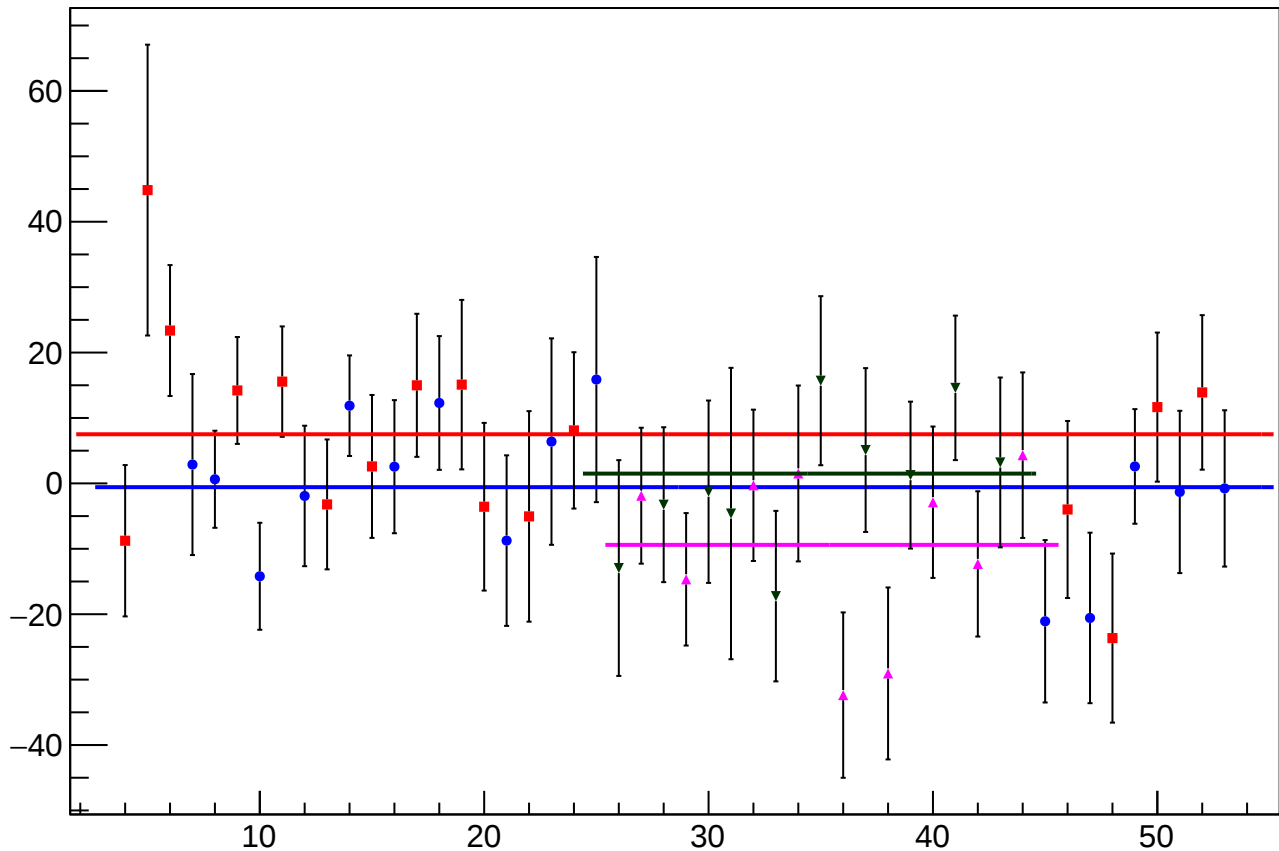
Right Out: 3355.499 ± 0.886 χ^2/NDF : 2407457.0/15

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

66.993 ± 0.064 χ^2/NDF : 27242615.8/24

3734.586 ± 0.749 χ^2/NDF : 3083337.4/24

diff_bpm1X_mean vs slug



Right In: -0.578 ± 2.724 $\chi^2/\text{NDF}: 13.8/14$

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

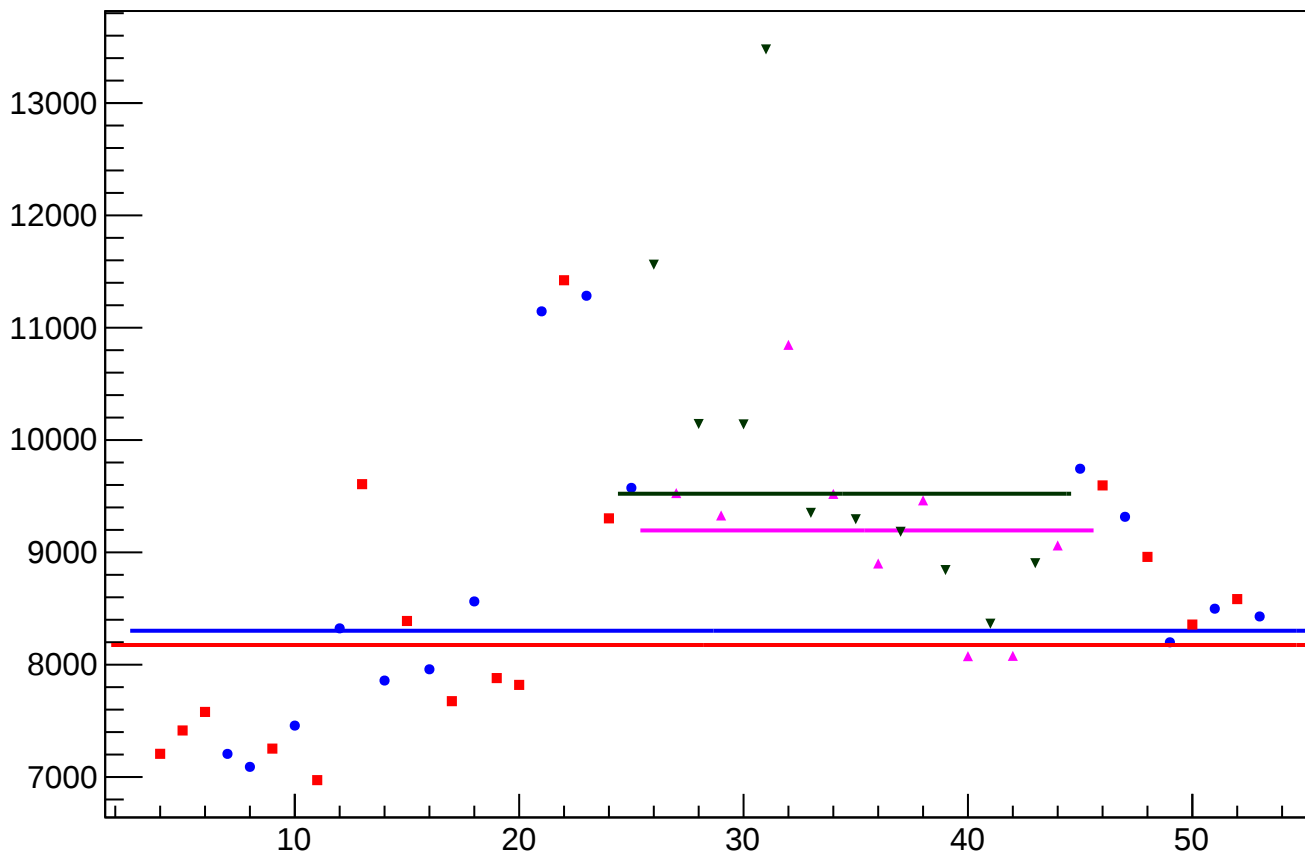
Right Out: 7.509 ± 2.833 $\chi^2/\text{NDF}: 19.4/15$

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

0.048 ± 2.276 $\chi^2/\text{NDF}: 19.8/24$

1.660 ± 2.291 $\chi^2/\text{NDF}: 40.9/24$

diff_bpm1X_rms vs slug



Right In: 8302.171+/-1.926 χ^2/NDF : 313340.8/14

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

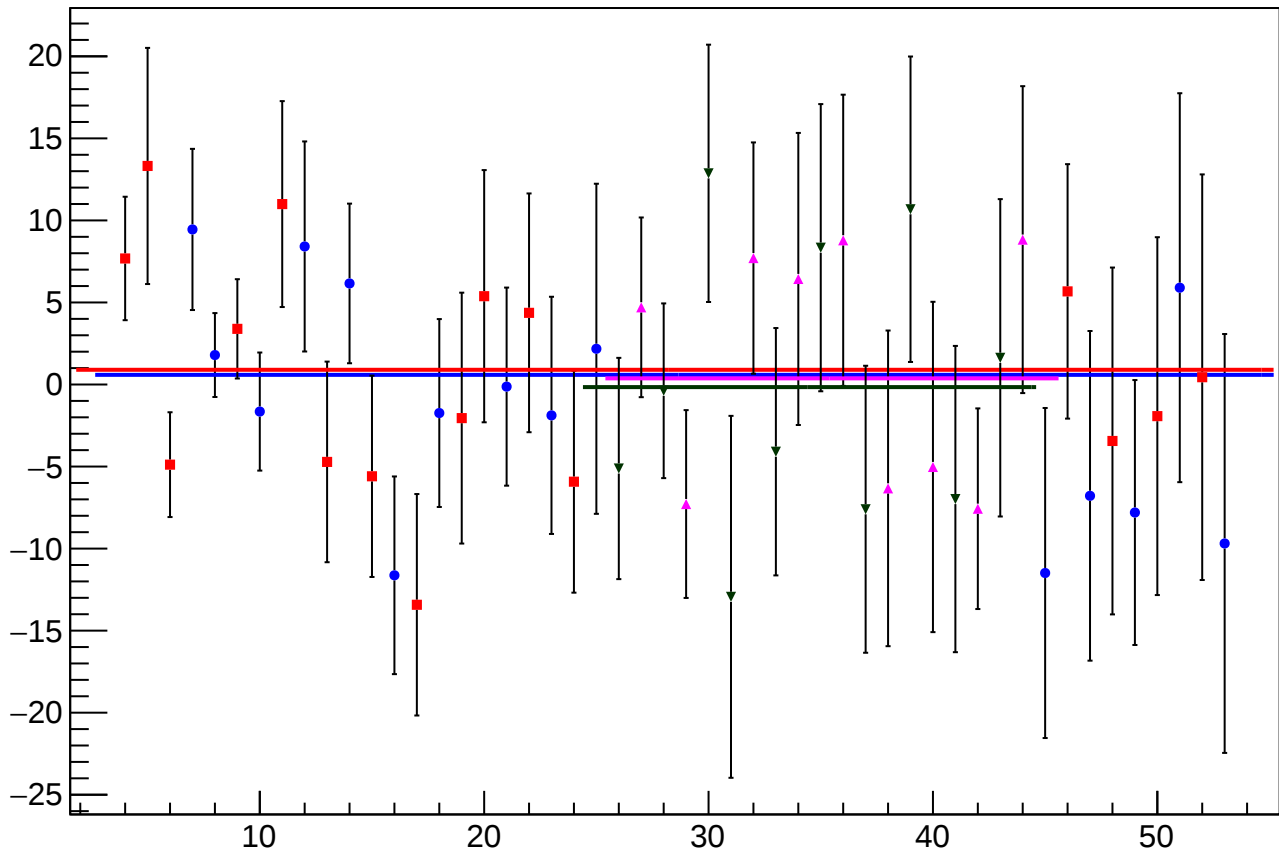
8670.375+/-1.609 χ^2/NDF : 573730.4/24

Right Out: 8175.350+/-2.003 χ^2/NDF : 270234.7/15

8528.154+/-1.620 χ^2/NDF : 445350.0/24

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

diff_bpm1Y_mean vs slug



Right In: 0.589 ± 1.412 χ^2/NDF : 15.0/14

Left Out: -0.158 ± 2.506 χ^2/NDF : 8.5/9

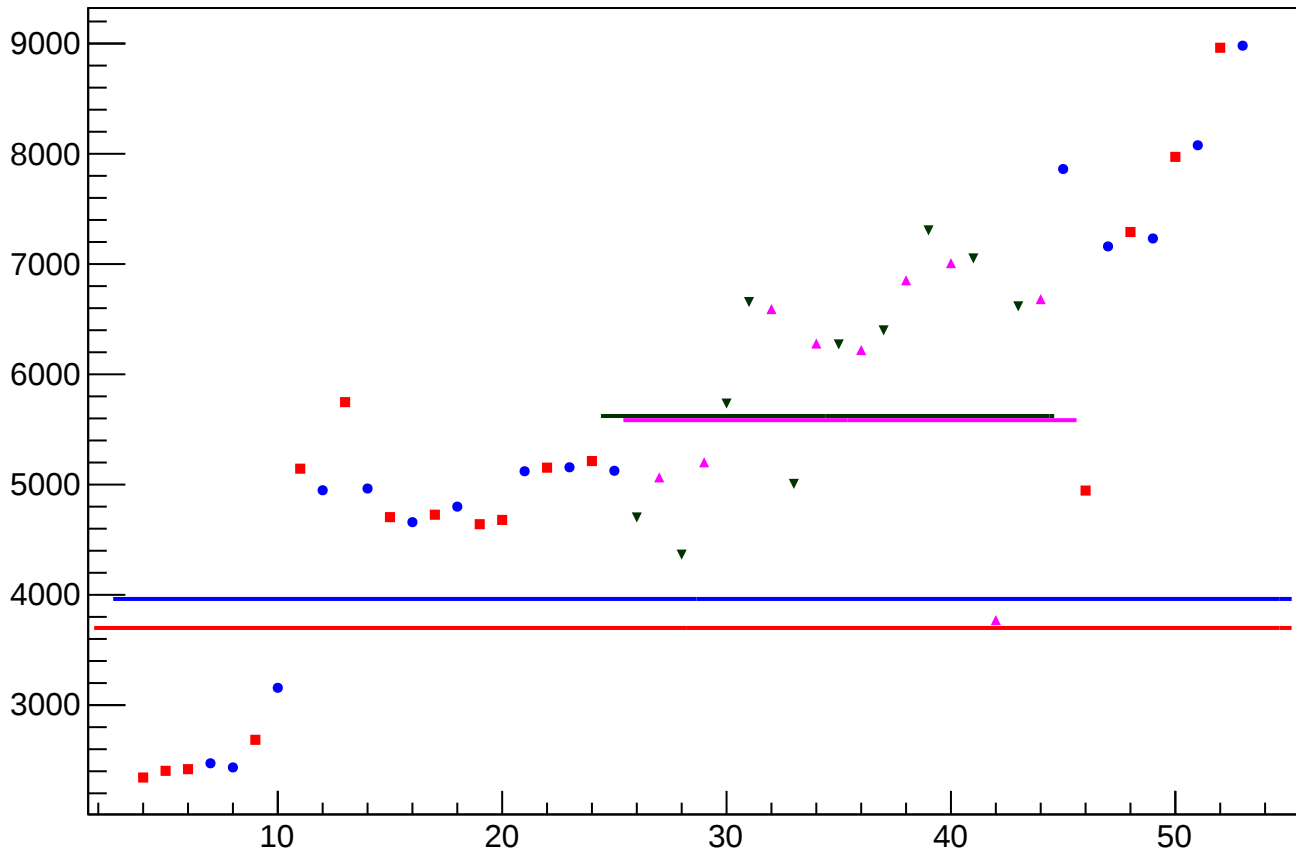
Right Out: 0.897 ± 1.396 χ^2/NDF : 21.6/15

Left In: 0.374 ± 2.438 χ^2/NDF : 8.1/8

0.409 ± 1.230 χ^2/NDF : 23.6/24

0.768 ± 1.211 χ^2/NDF : 29.8/24

diff_bpm1Y_rms vs slug



Right In: 3962.816 $\pm$ 0.999 χ^2 /NDF: 2736703.3/14

Left Out: 5621.962 $\pm$ 1.772 χ^2 /NDF:340384.5/9

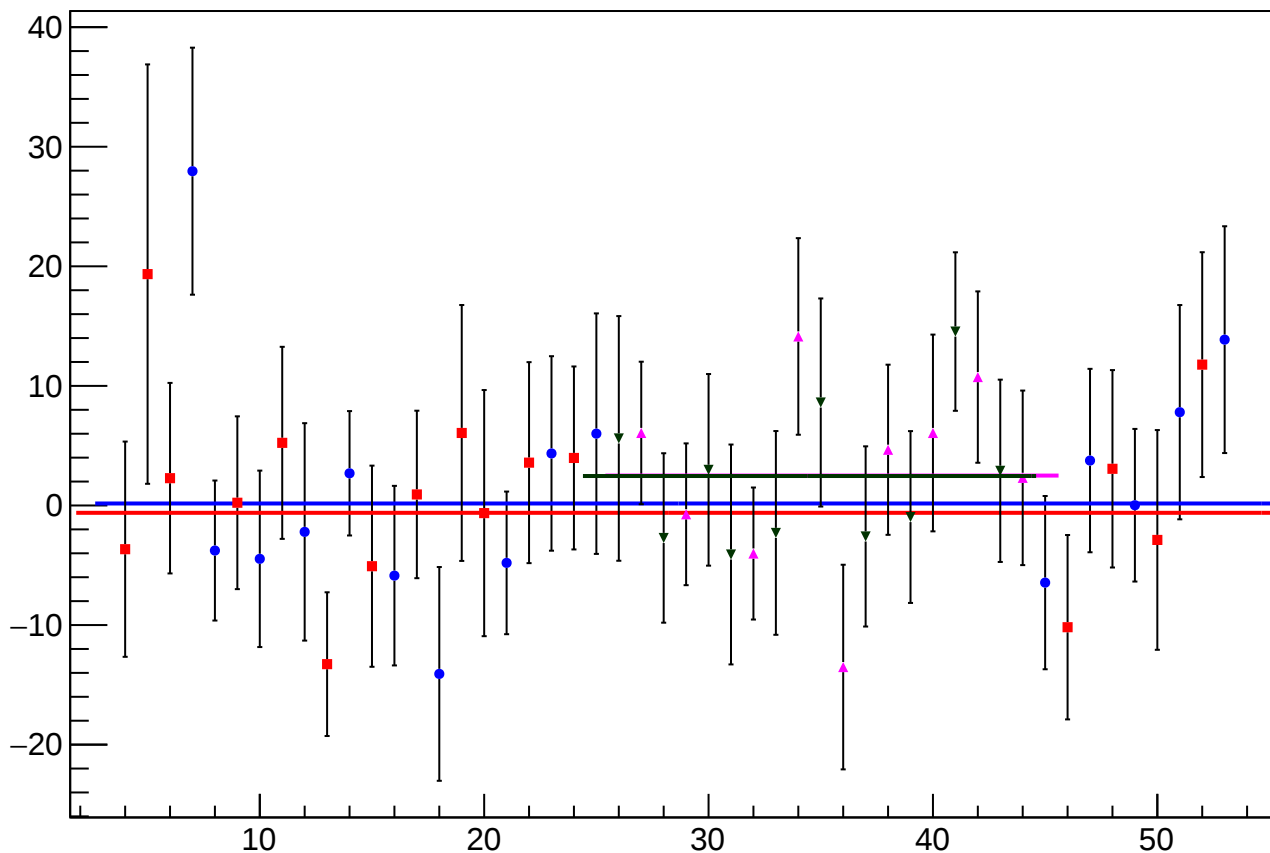
4362.789 $\pm$ 0.870 χ^2 /NDF: 3742361.7/24

Right Out: 3699.743 $\pm$ 0.987 χ^2 /NDF: 2496687.8/15

4164.864 $\pm$ 0.857 χ^2 /NDF: 3764936.5/24

Left In: 5584.245 $\pm$ 1.724 χ^2 /NDF:368430.0/8

diff_bpm11X_mean vs slug



Right In: 0.166 ± 1.912 χ^2/NDF : 16.7/14

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

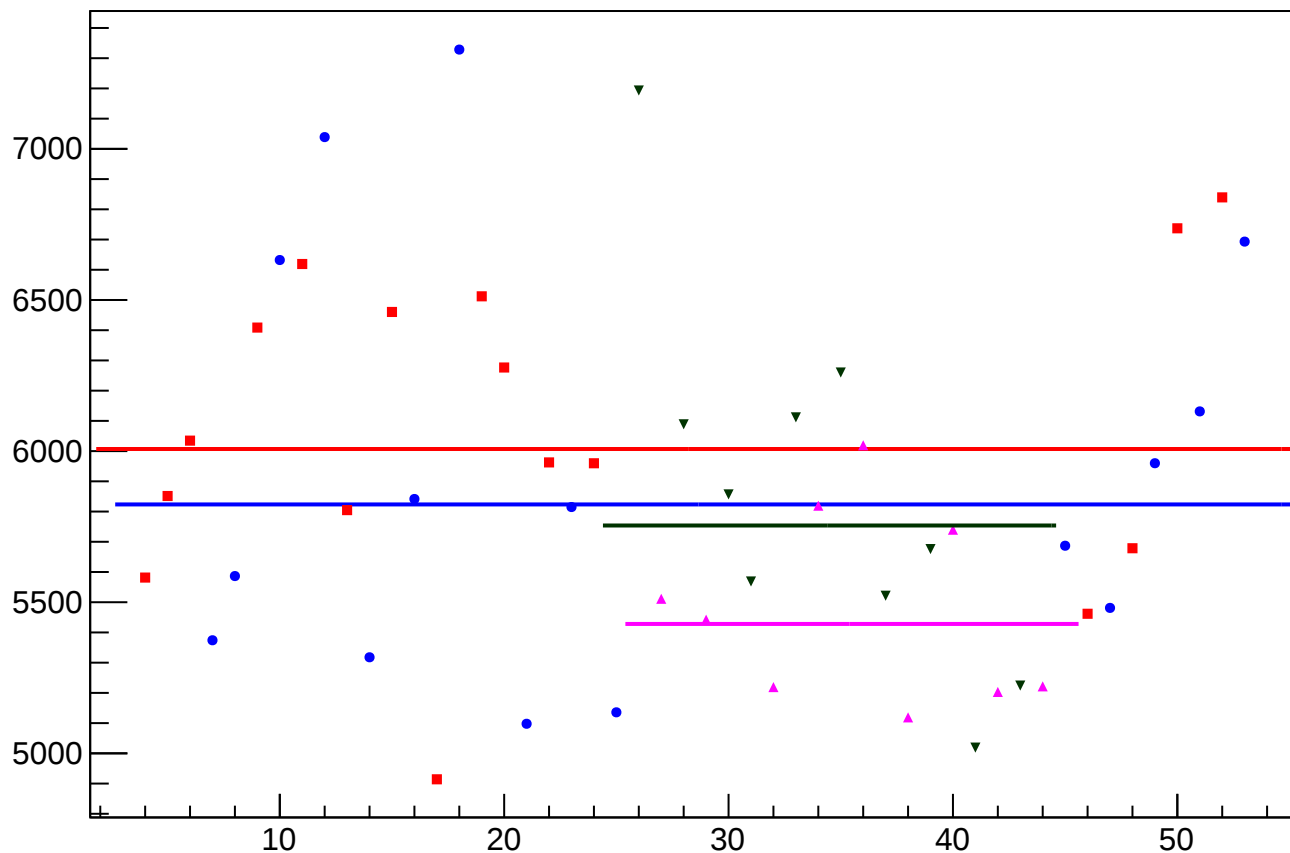
Right Out: -0.614 ± 2.075 χ^2/NDF : 11.4/15

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

1.017 ± 1.517 χ^2/NDF : 23.2/24

0.790 ± 1.538 χ^2/NDF : 21.6/24

diff_bpm11X_rms vs slug



Right In: 5823.552 ± 1.352 $\chi^2/\text{NDF}: 206216.6/14$

Left Out: 5753.867 ± 1.763 $\chi^2/\text{NDF}: 91874.6/9$

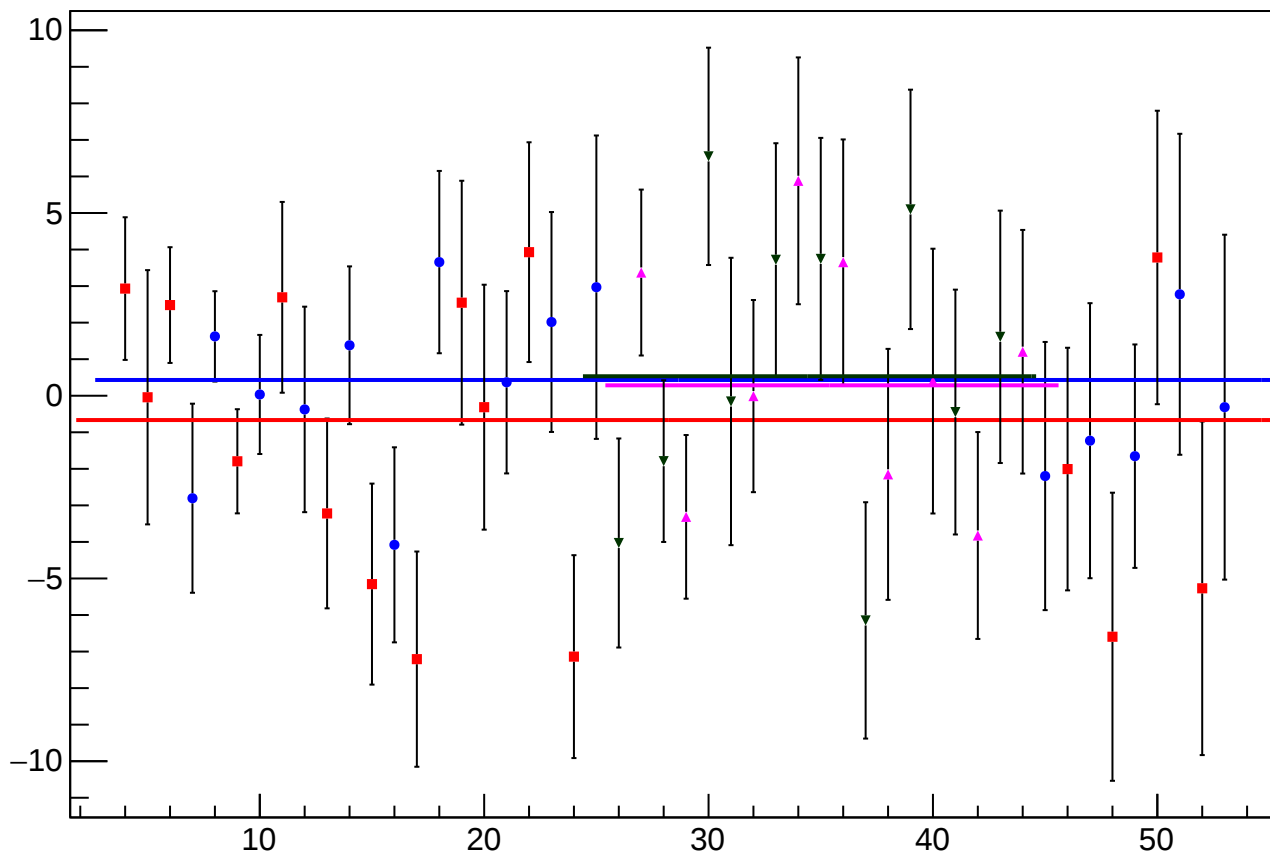
Right Out: 6006.968 ± 1.467 $\chi^2/\text{NDF}: 126679.6/15$

Left In: 5428.130 ± 1.619 $\chi^2/\text{NDF}: 27568.5/8$

5797.750 ± 1.073 $\chi^2/\text{NDF}: 299074.8/24$

5746.030 ± 1.087 $\chi^2/\text{NDF}: 224425.4/24$

diff_bpm11Y_mean vs slug



Right In: 0.431 ± 0.632 χ^2/NDF : 9.5/14

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

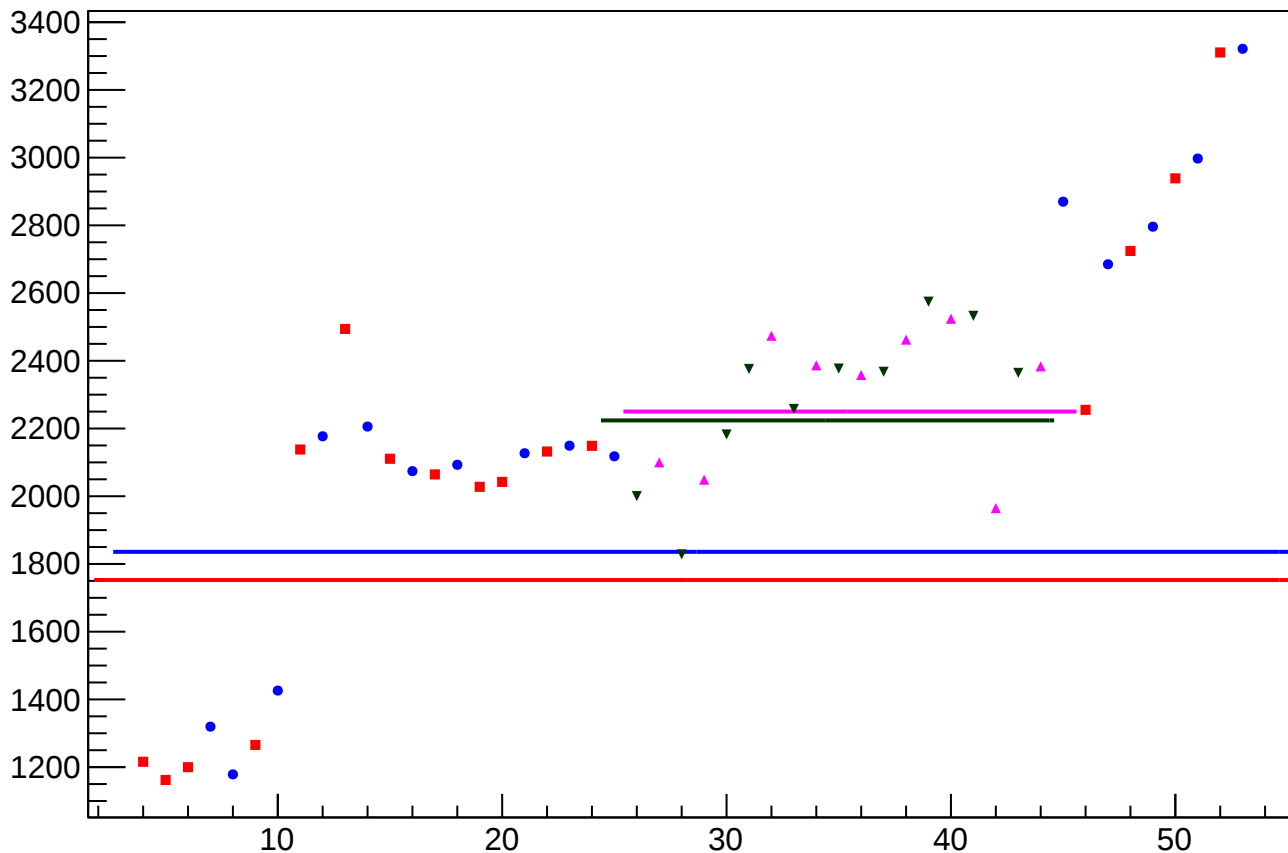
Right Out: -0.665 ± 0.637 χ^2/NDF : 31.6/15

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

0.461 ± 0.530 χ^2/NDF : 25.6/24

-0.374 ± 0.530 χ^2/NDF : 43.2/24

diff_bpm11Y_rms vs slug



Right In: 1835.847+/-0.447 χ^2/NDF : 1751455.4/14

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

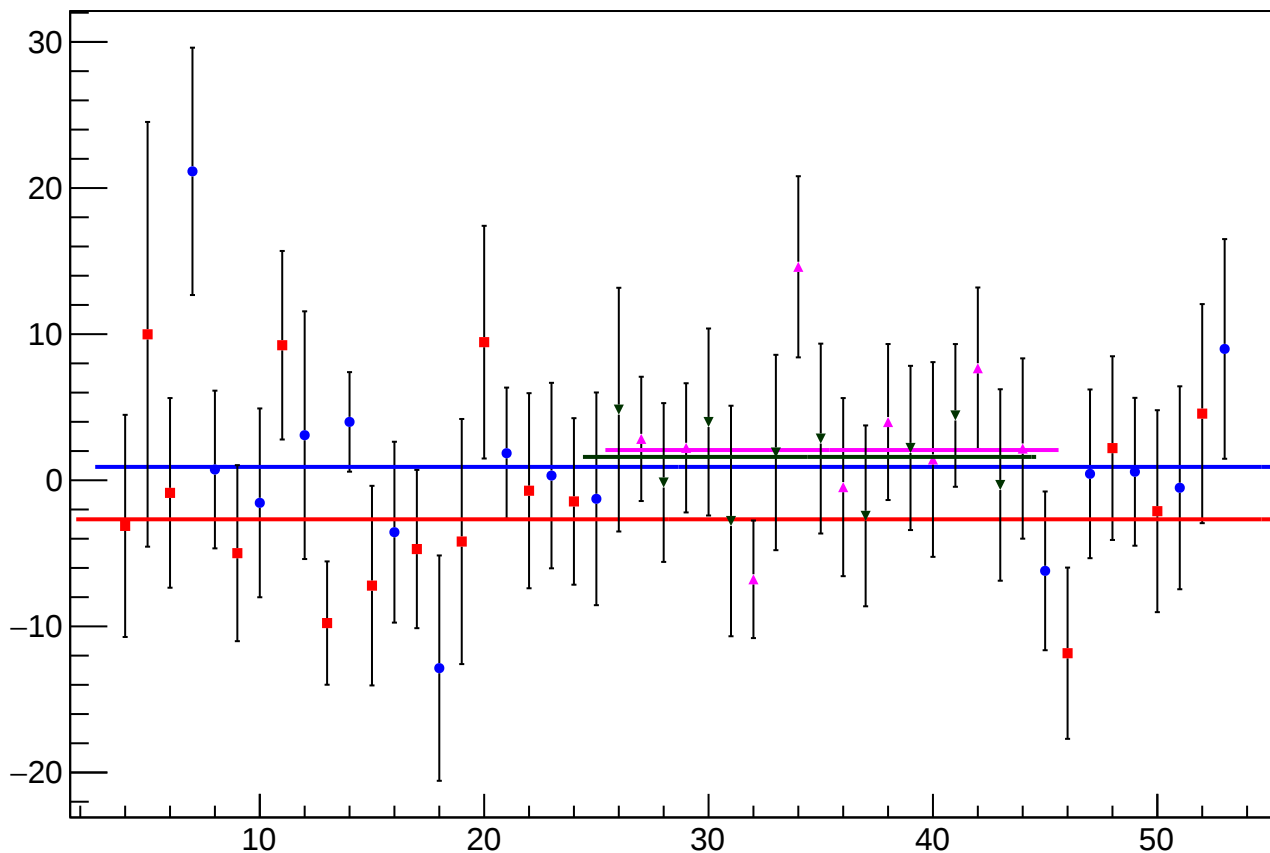
Right Out: 1752.711+/-0.451 χ^2/NDF : 1625505.6/15

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

1951.061+/-0.375 χ^2/NDF : 2106371.6/24

1905.347+/-0.375 χ^2/NDF : 2086938.8/24

diff_bpm12X_mean vs slug



Right In: 0.915 ± 1.491 χ^2/NDF : 13.5/14

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

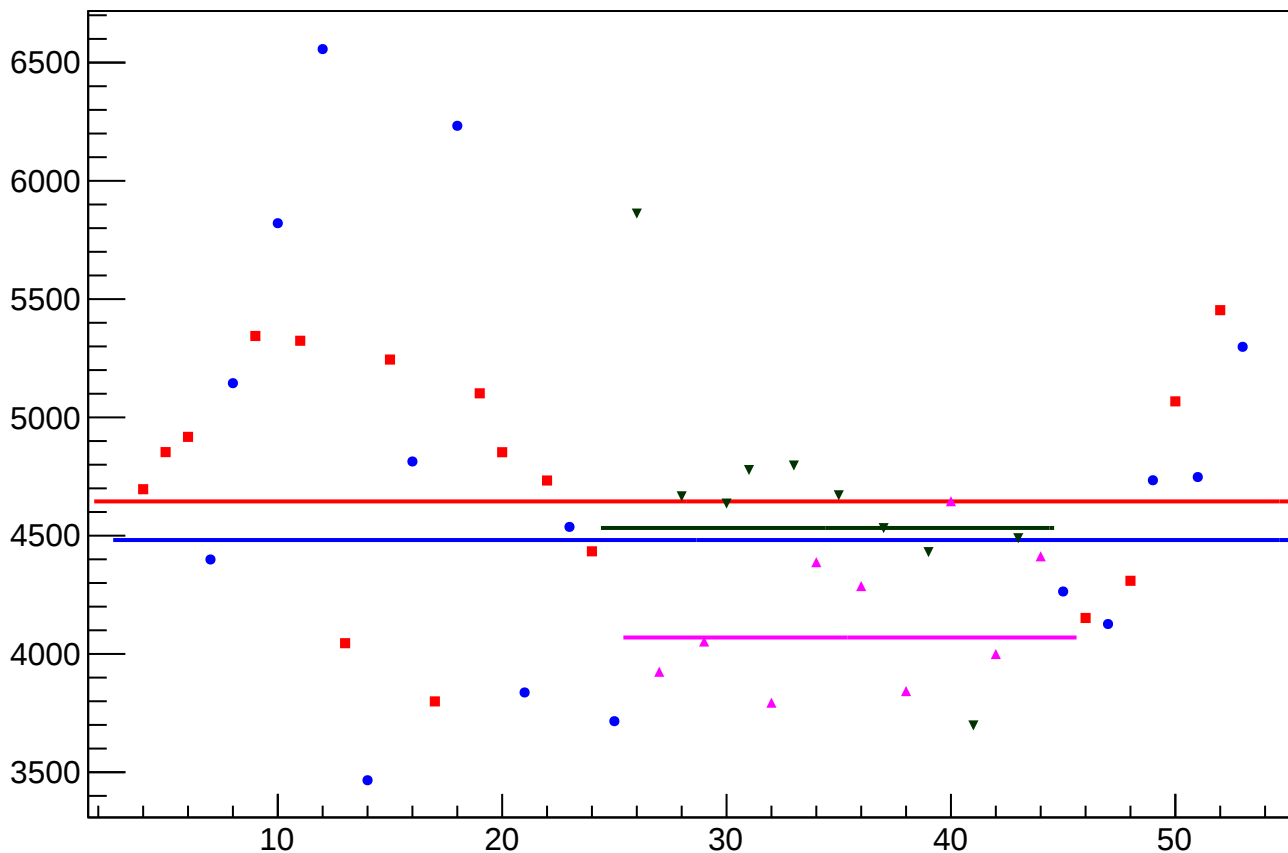
Right Out: -2.671 ± 1.611 χ^2/NDF : 14.3/15

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

1.164 ± 1.189 χ^2/NDF : 15.2/24

-0.457 ± 1.176 χ^2/NDF : 28.6/24

diff_bpm12X_rms vs slug



Right In: 4481.550+/-1.054 χ^2/NDF : 628589.6/14

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

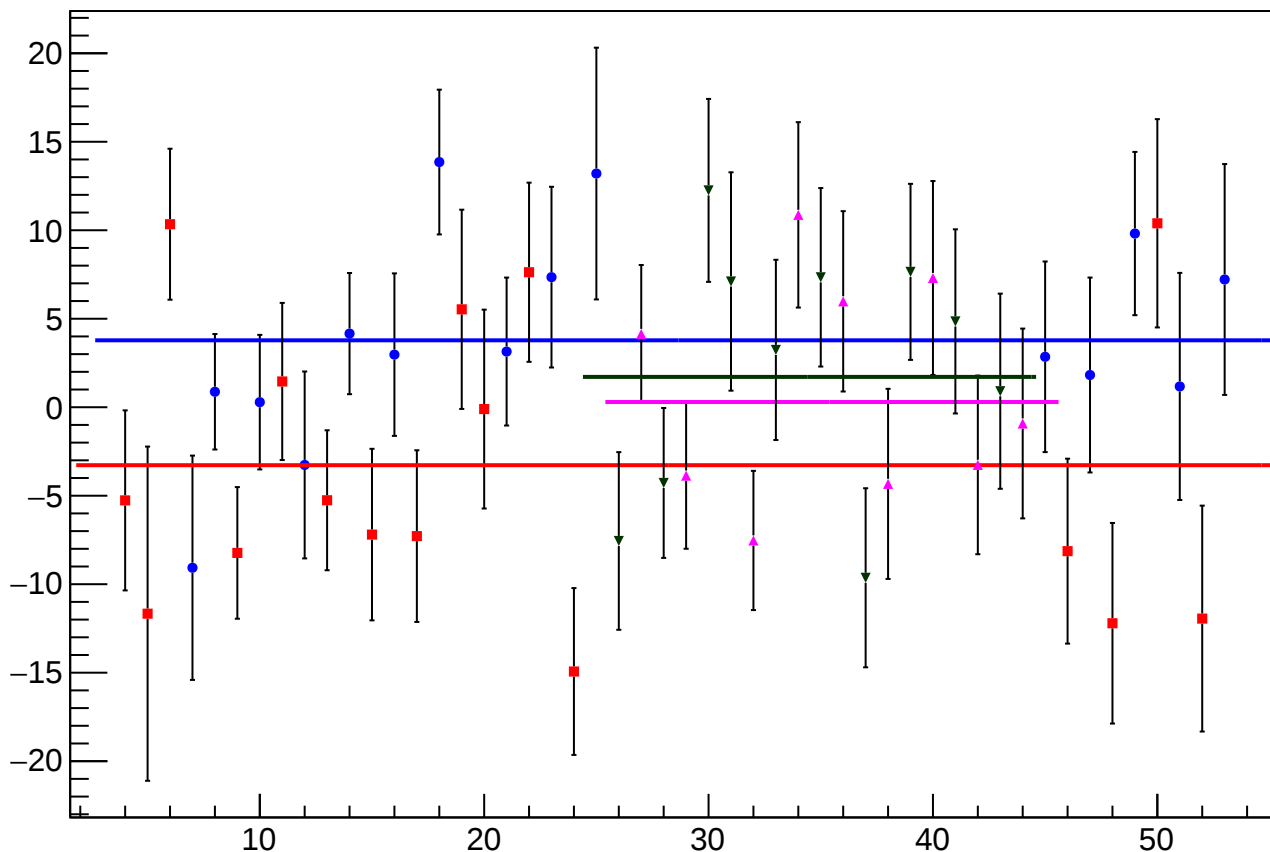
Right Out: 4644.795+/-1.139 χ^2/NDF : 218643.0/15

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

4500.144+/-0.841 χ^2/NDF : 747074.5/24

4376.092+/-0.831 χ^2/NDF : 382393.2/24

diff_bpm12Y_mean vs slug



Right In: 3.781 ± 1.200 $\chi^2/\text{NDF}: 18.2/14$

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

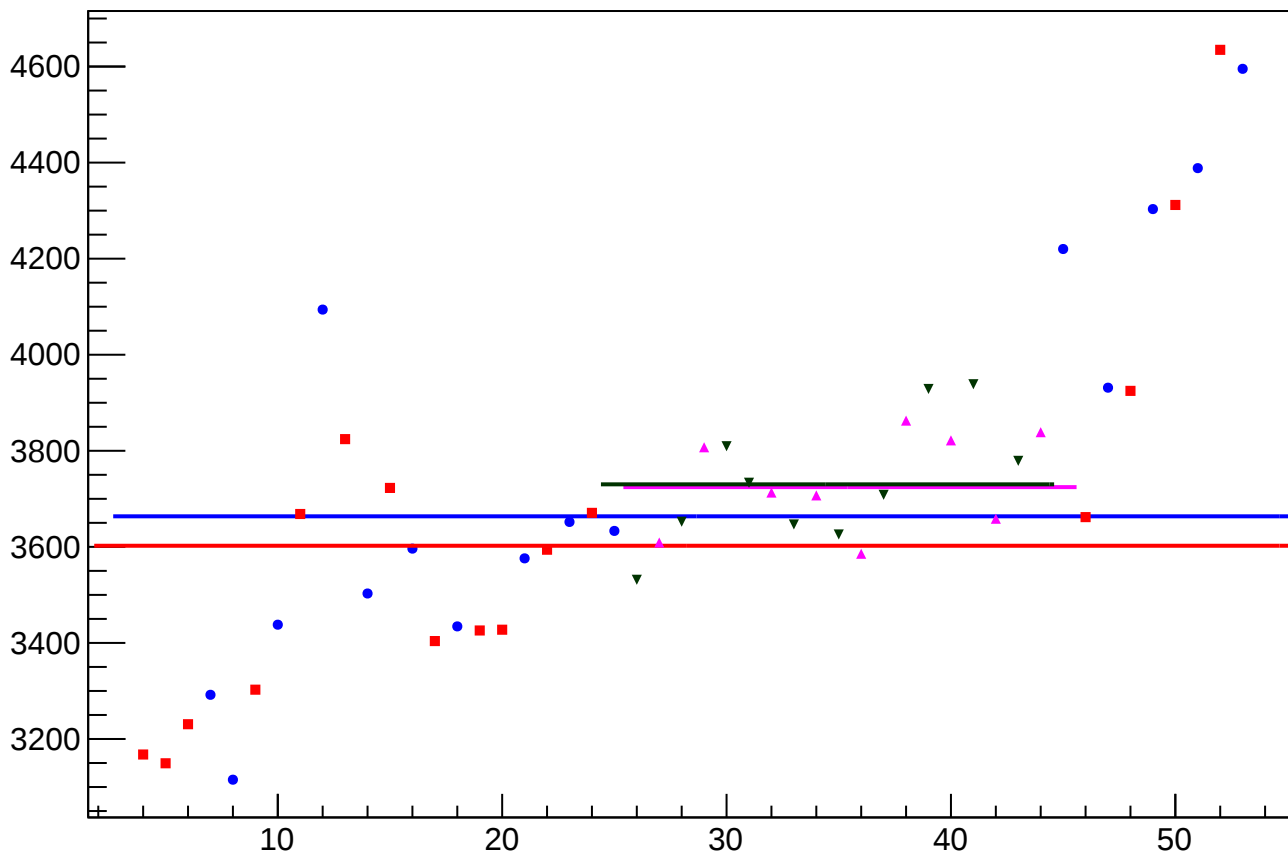
Right Out: -3.275 ± 1.245 $\chi^2/\text{NDF}: 39.7/15$

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

3.042 ± 0.962 $\chi^2/\text{NDF}: 37.8/24$

-1.896 ± 0.975 $\chi^2/\text{NDF}: 57.1/24$

diff_bpm12Y_rms vs slug



Right In: 3663.592 $\pm$ 0.849 χ^2 /NDF: 226628.0/14

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

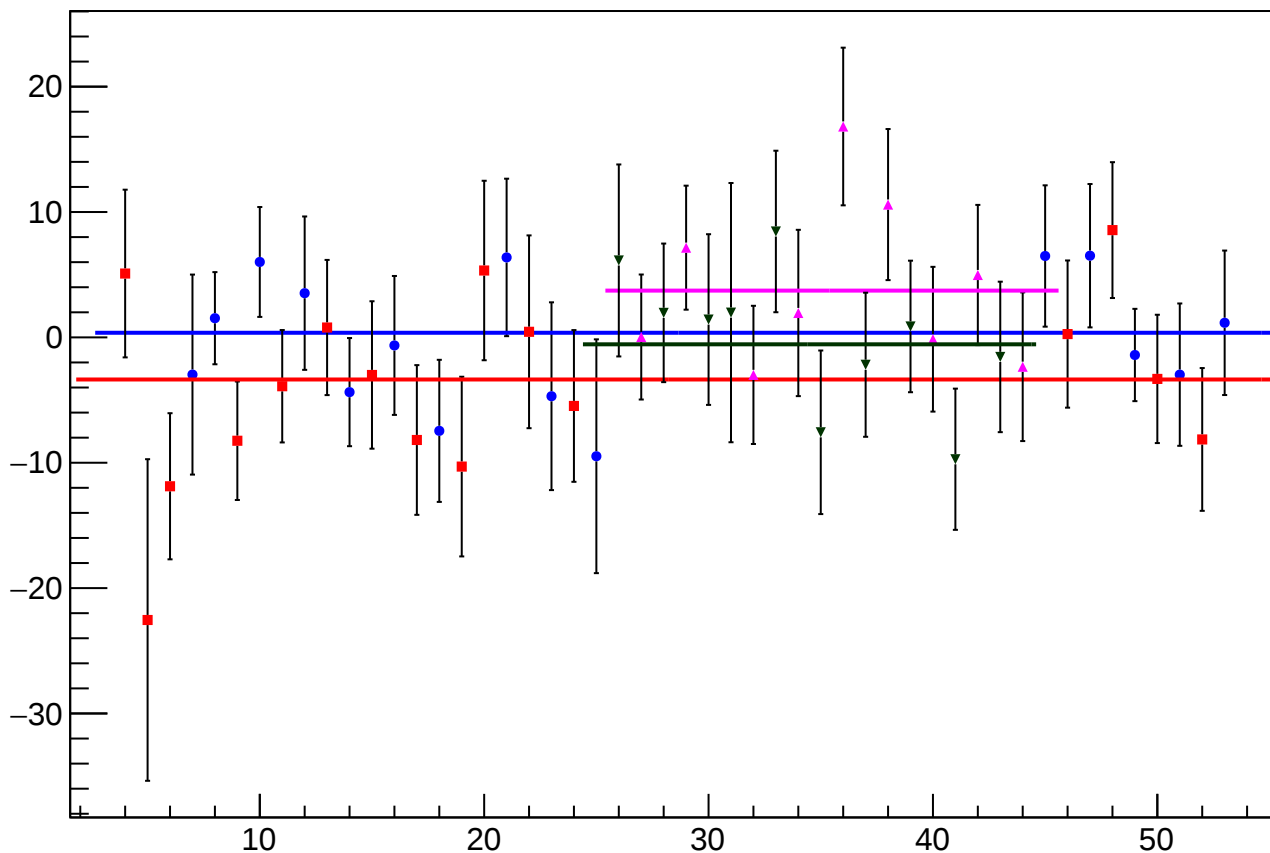
Right Out: 3602.310 $\pm$ 0.880 χ^2 /NDF: 151152.1/15

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

3687.397 $\pm$ 0.680 χ^2 /NDF: 241094.2/24

3649.452 $\pm$ 0.690 χ^2 /NDF: 165868.8/24

diff_bpm16X_mean vs slug



Right In: 0.368 ± 1.364 χ^2/NDF : 10.8/14

Left Out: -0.553 ± 1.983 χ^2/NDF : 7.1/9

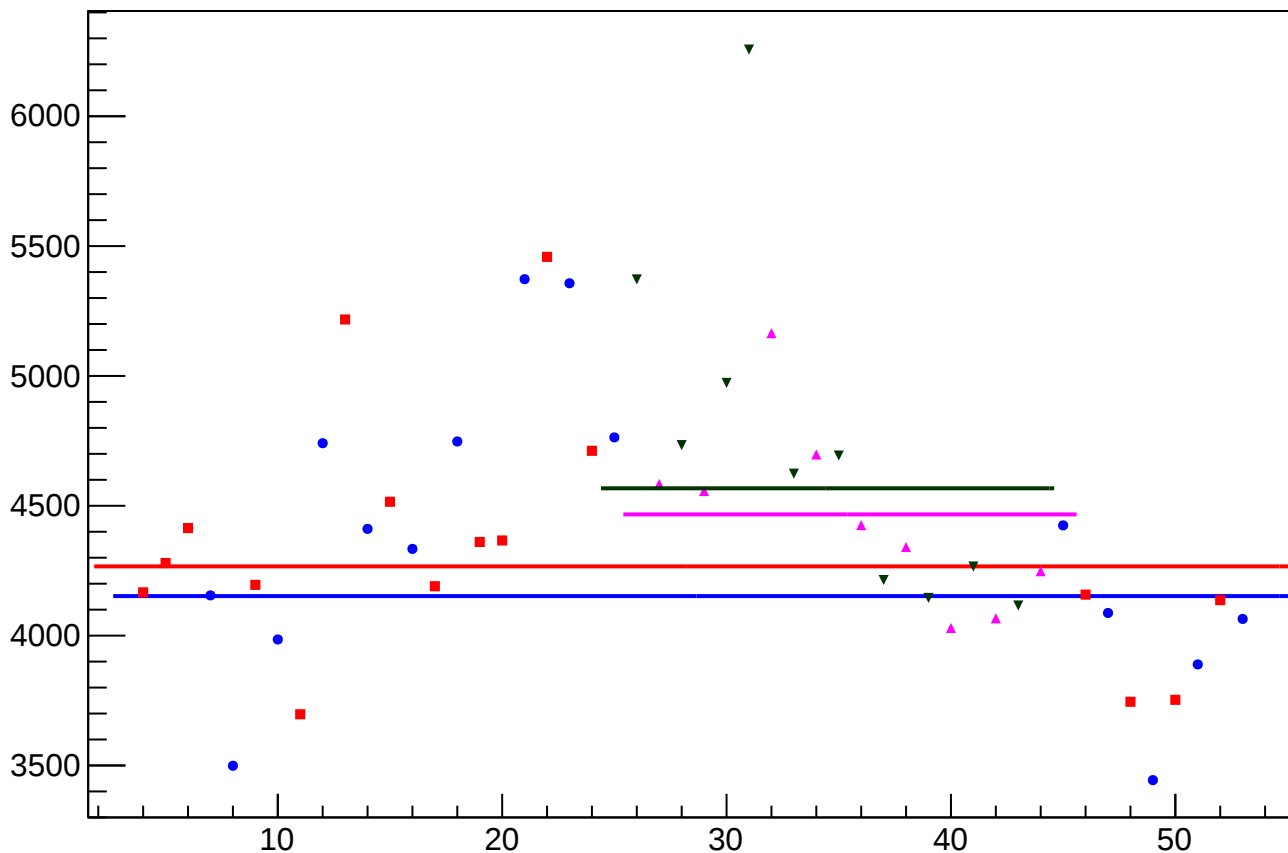
Right Out: -3.359 ± 1.476 χ^2/NDF : 17.0/15

Left In: 3.732 ± 1.890 χ^2/NDF : 9.8/8

0.073 ± 1.124 χ^2/NDF : 18.0/24

-0.673 ± 1.163 χ^2/NDF : 35.5/24

diff_bpm16X_rms vs slug



Right In: 4152.234+/-0.964 χ^2/NDF : 335691.0/14

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

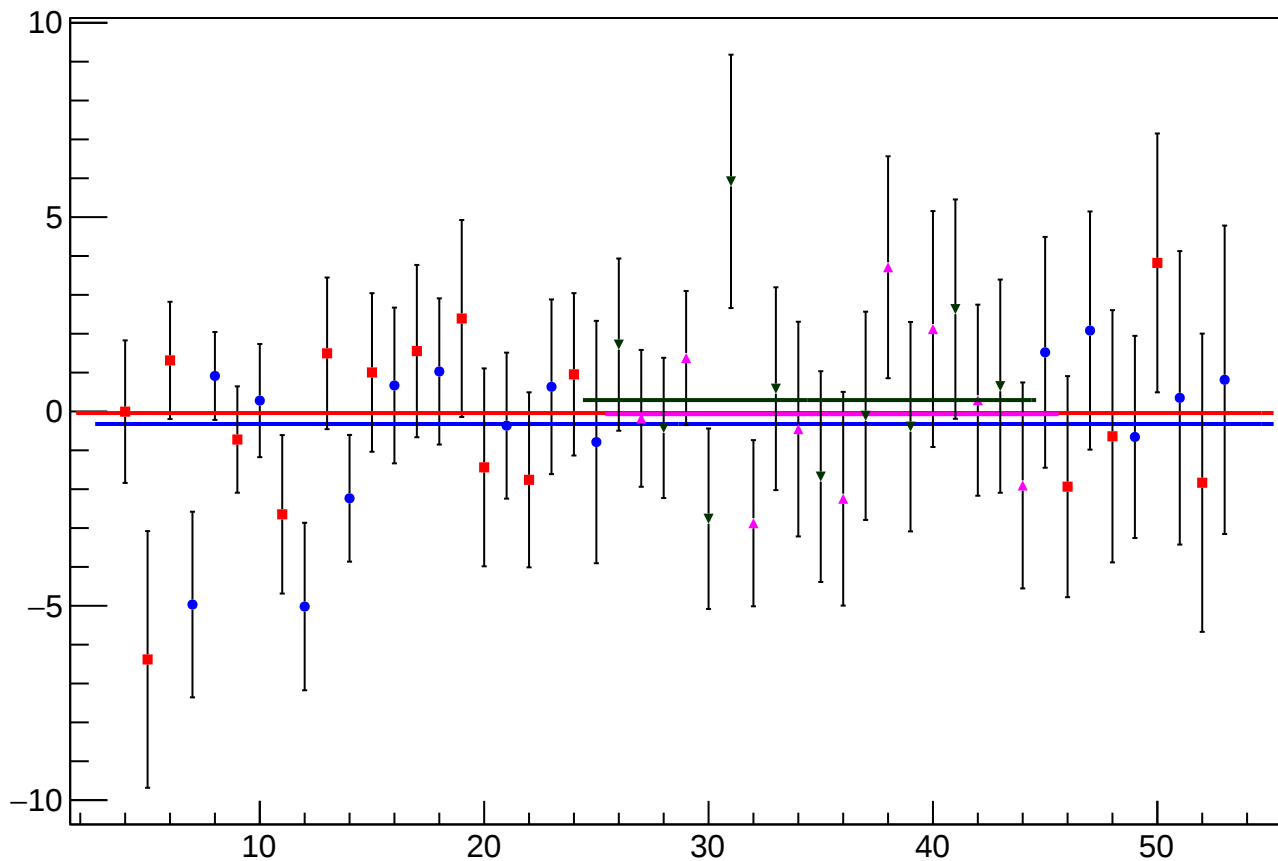
Right Out: 4266.604+/-1.044 χ^2/NDF : 200566.5/15

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

4285.486+/-0.795 χ^2/NDF : 517989.7/24

4342.435+/-0.823 χ^2/NDF : 276132.8/24

diff_bpm16Y_mean vs slug



Right In: -0.322 ± 0.524 $\chi^2/\text{NDF}: 13.4/14$

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

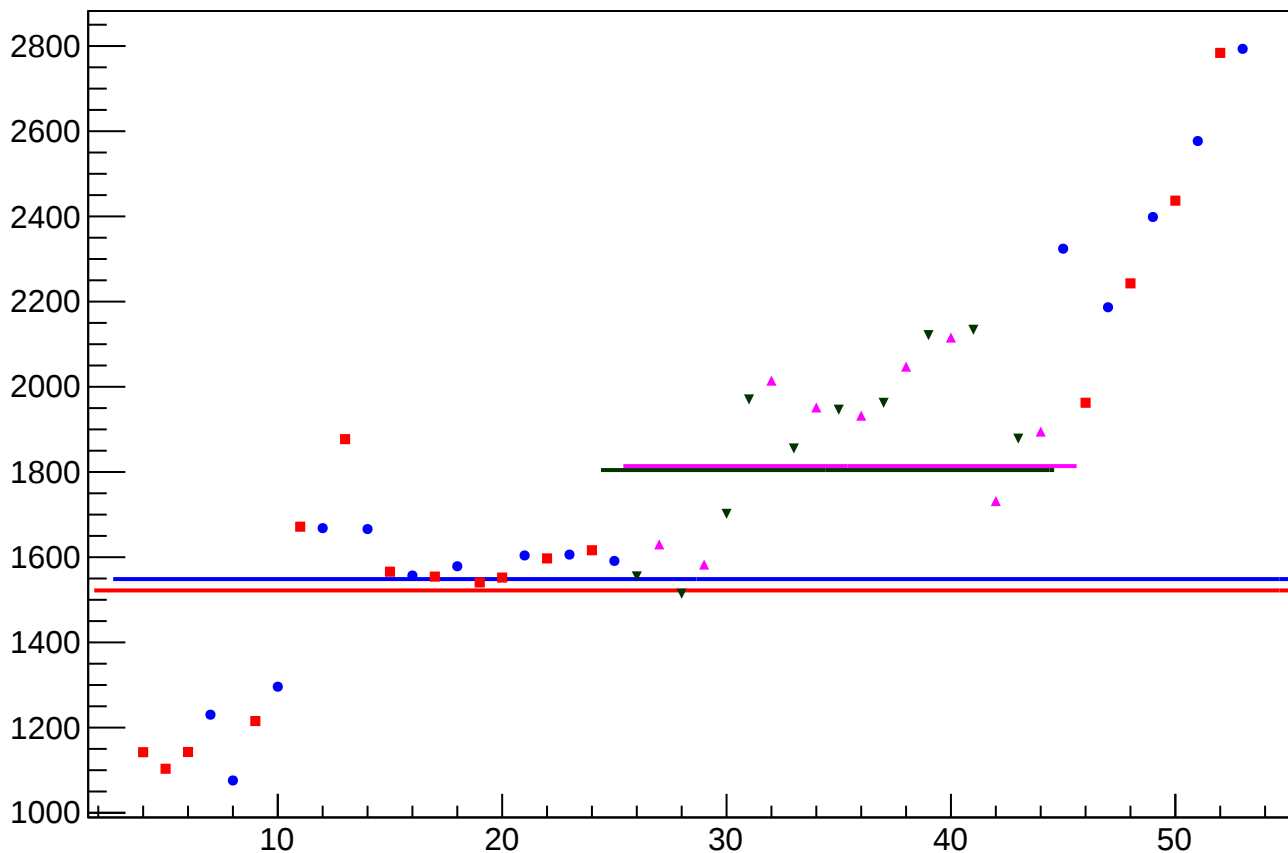
Right Out: -0.040 ± 0.540 $\chi^2/\text{NDF}: 11.8/15$

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

-0.134 ± 0.437 $\chi^2/\text{NDF}: 20.4/24$

-0.050 ± 0.443 $\chi^2/\text{NDF}: 17.7/24$

diff_bpm16Y_rms vs slug



Right In: 1548.649+/-0.371 χ^2/NDF : 1247693.9/14

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

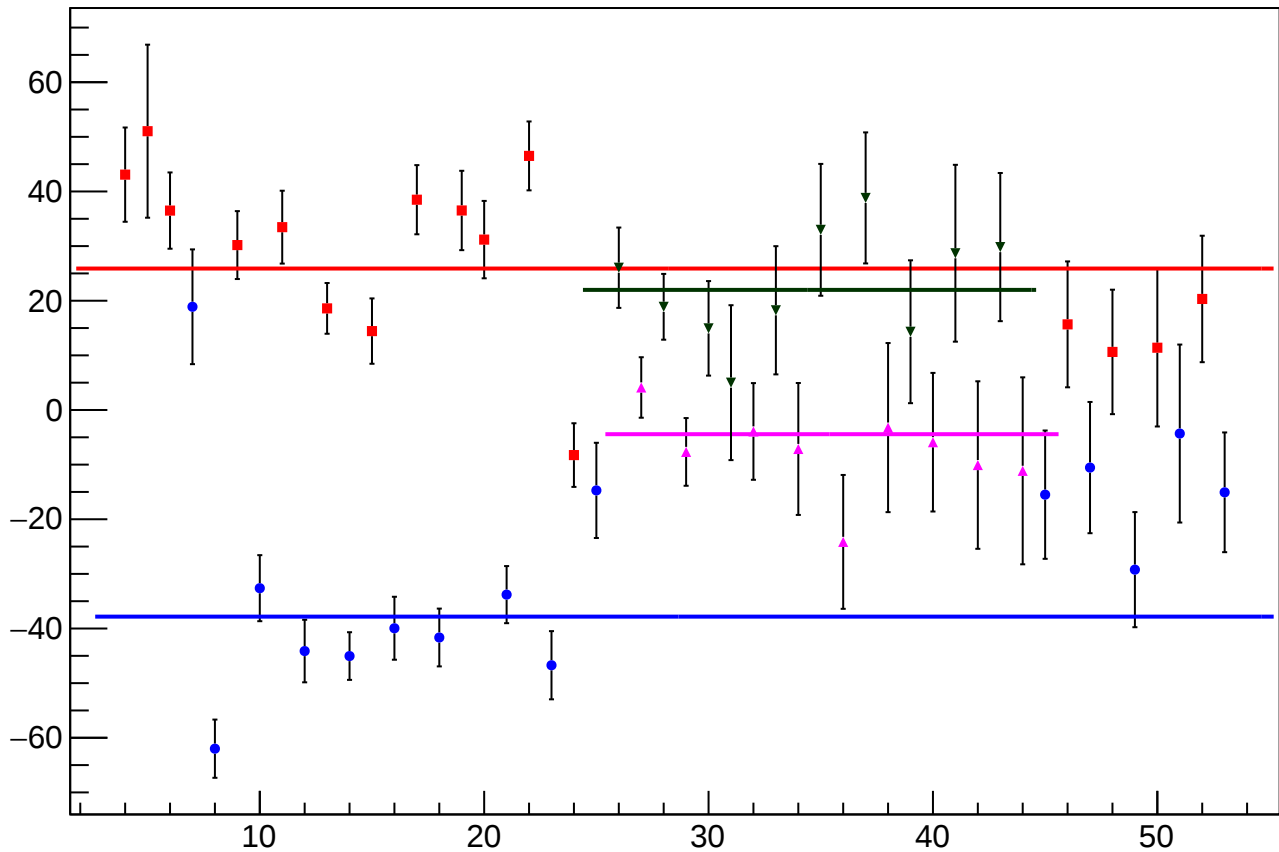
Right Out: 1521.991+/-0.382 χ^2/NDF : 943851.8/15

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

1627.116+/-0.309 χ^2/NDF : 1549610.4/24

1618.081+/-0.313 χ^2/NDF : 1257097.5/24

diff_bpm0l01X_mean vs slug



Right In: -37.823 $\pm$ 1.737 χ^2 /NDF: 82.7/14

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

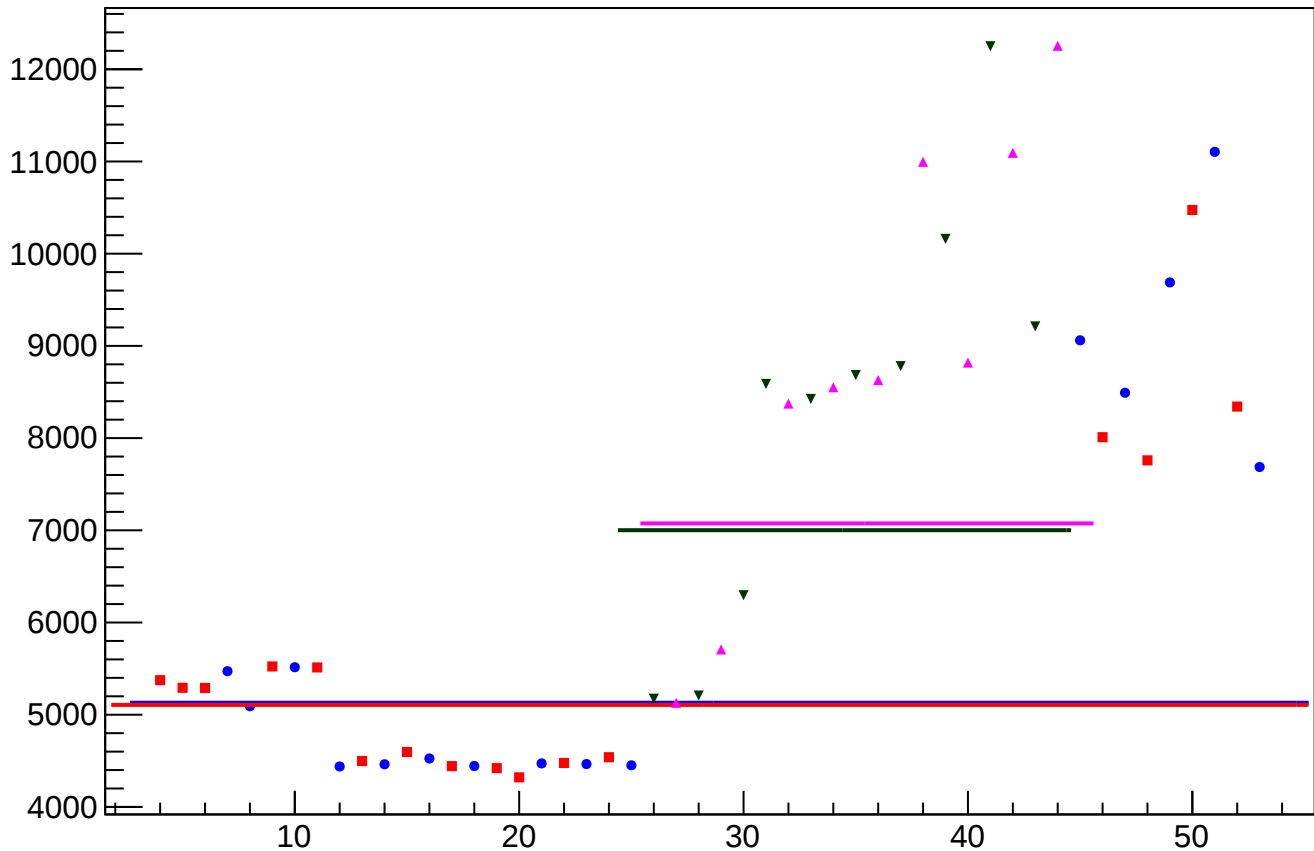
Right Out: 25.892 $\pm$ 1.806 χ^2 /NDF: 72.2/15

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

-23.894 $\pm$ 1.522 χ^2 /NDF: 365.2/24

18.266 $\pm$ 1.562 χ^2 /NDF: 148.7/24

diff_bpm0l01X_rms vs slug



Right In: 5129.925+/-1.228 χ^2/NDF : 1341522.6/14

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

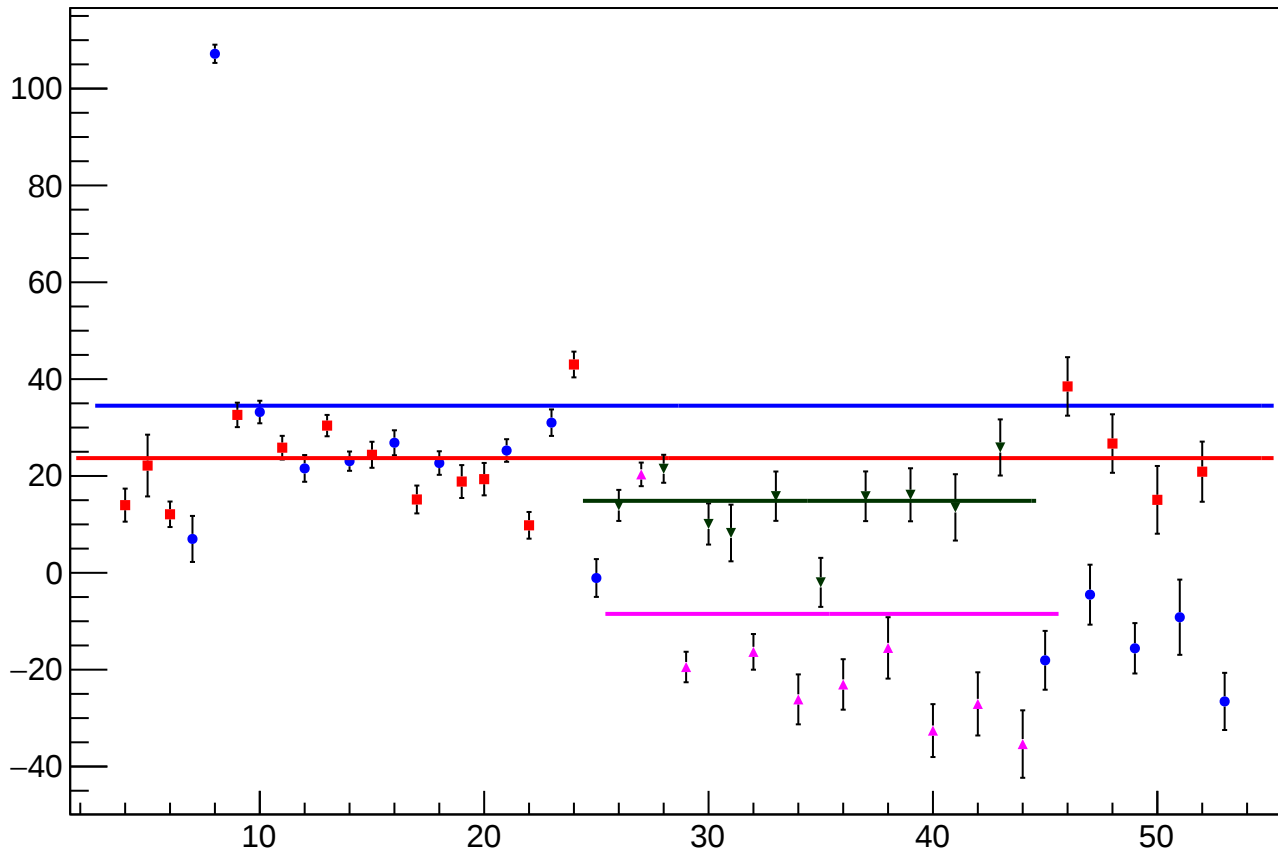
Right Out: 5106.548+/-1.277 χ^2/NDF : 841145.3/15

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

5565.744+/-1.076 χ^2/NDF : 2713697.2/24

5601.591+/-1.105 χ^2/NDF : 2375040.2/24

diff_bpm0l01Y_mean vs slug



Right In: 34.513+/-0.760 χ^2/NDF : 2055.4/14

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

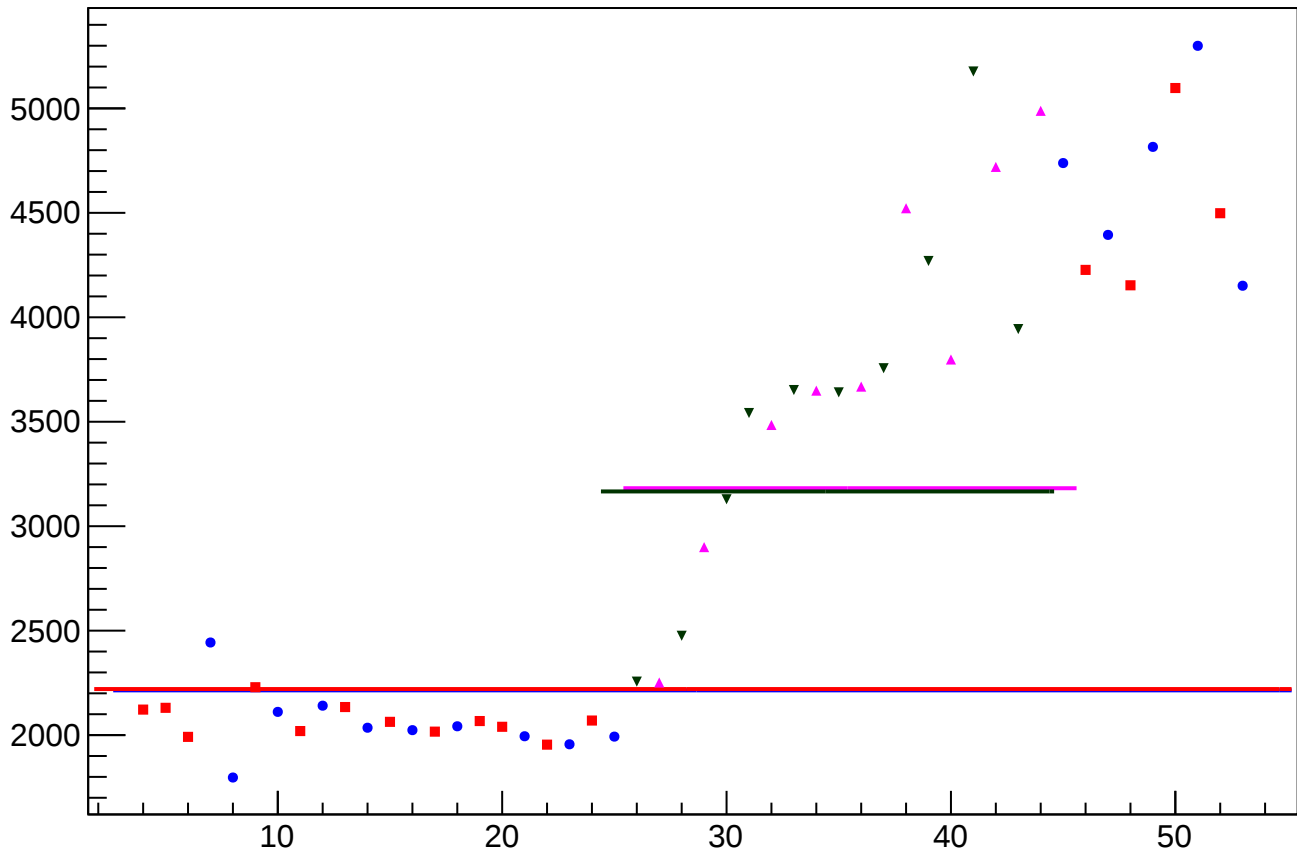
Right Out: 23.690+/-0.792 χ^2/NDF : 148.9/15

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

30.101+/-0.669 χ^2/NDF : 2228.3/24

15.776+/-0.688 χ^2/NDF : 774.6/24

diff_bpm0l01Y_rms vs slug



Right In: 2214.228+/-0.537 χ^2/NDF : 1811549.9/14

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

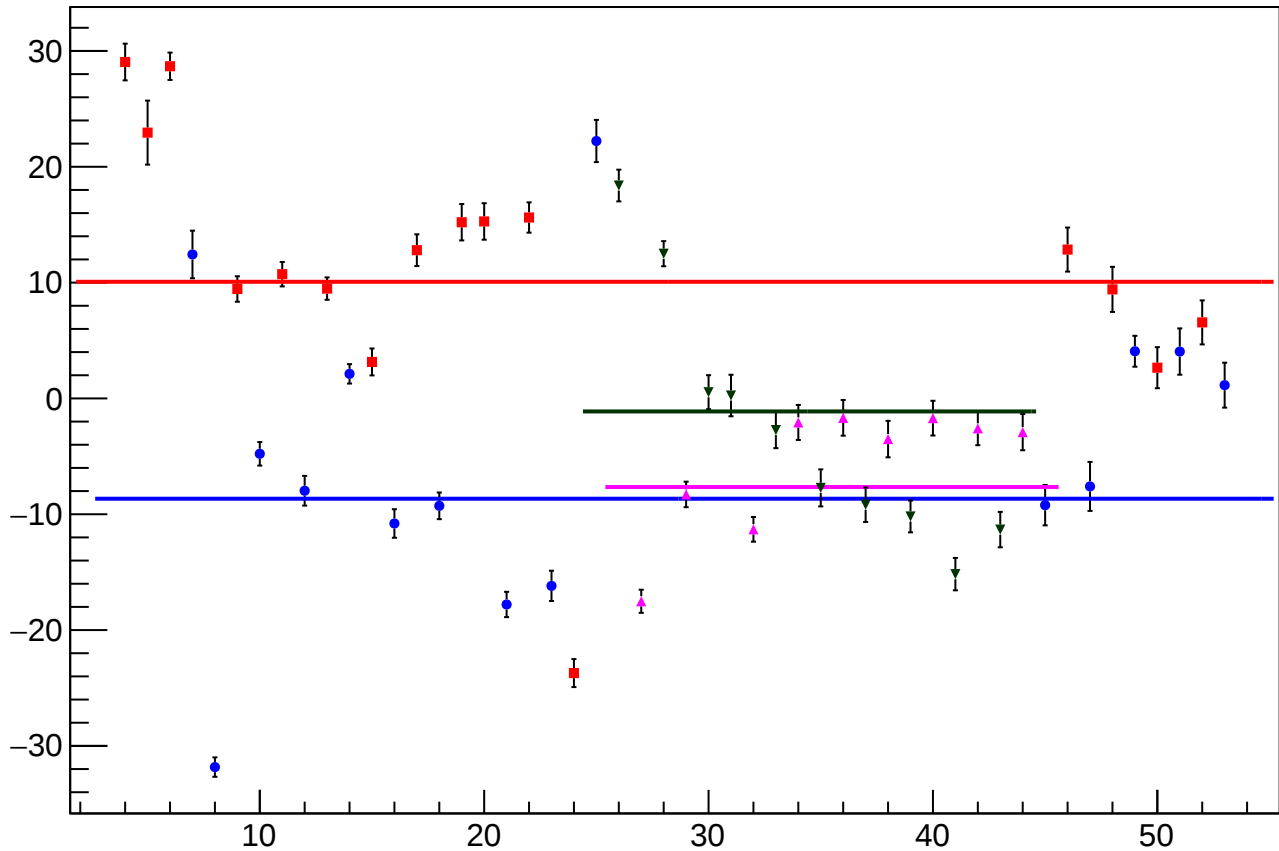
2428.070+/-0.473 χ^2/NDF : 3152091.8/24

Right Out: 2220.460+/-0.560 χ^2/NDF : 1118137.2/15

2456.937+/-0.486 χ^2/NDF : 2558253.2/24

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

diff_bpm2i01X_mean vs slug



Right In: -8.660 ± 0.326 χ^2/NDF : 1599.3/14

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

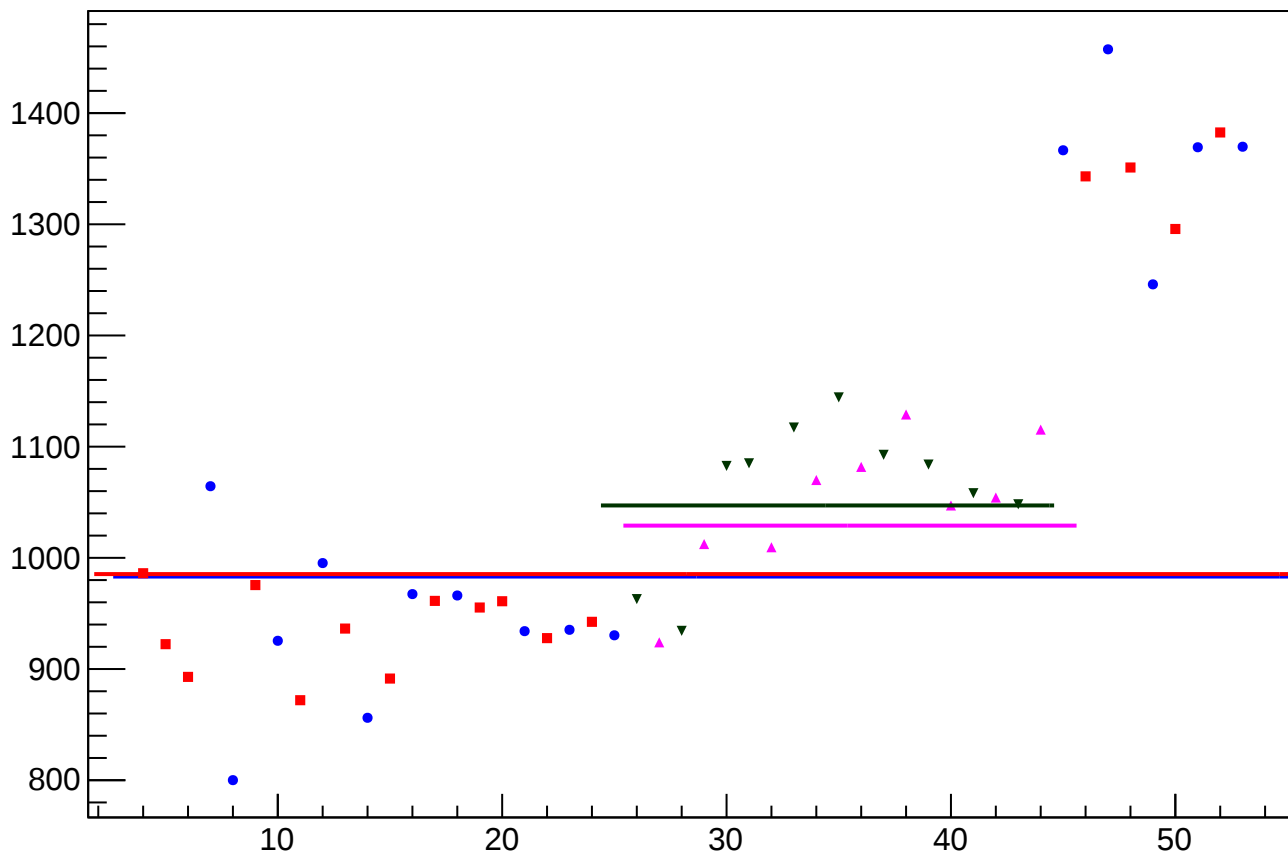
Right Out: 10.070 ± 0.342 χ^2/NDF : 1297.4/15

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

-6.090 ± 0.264 χ^2/NDF : 2381.0/24

3.284 ± 0.269 χ^2/NDF : 2505.0/24

diff_bpm2i01X_rms vs slug



Right In: 983.179+/-0.230 χ^2/NDF : 588981.9/14

Left Out: 1047.121+/-0.320 χ^2/NDF : 46145.4/9

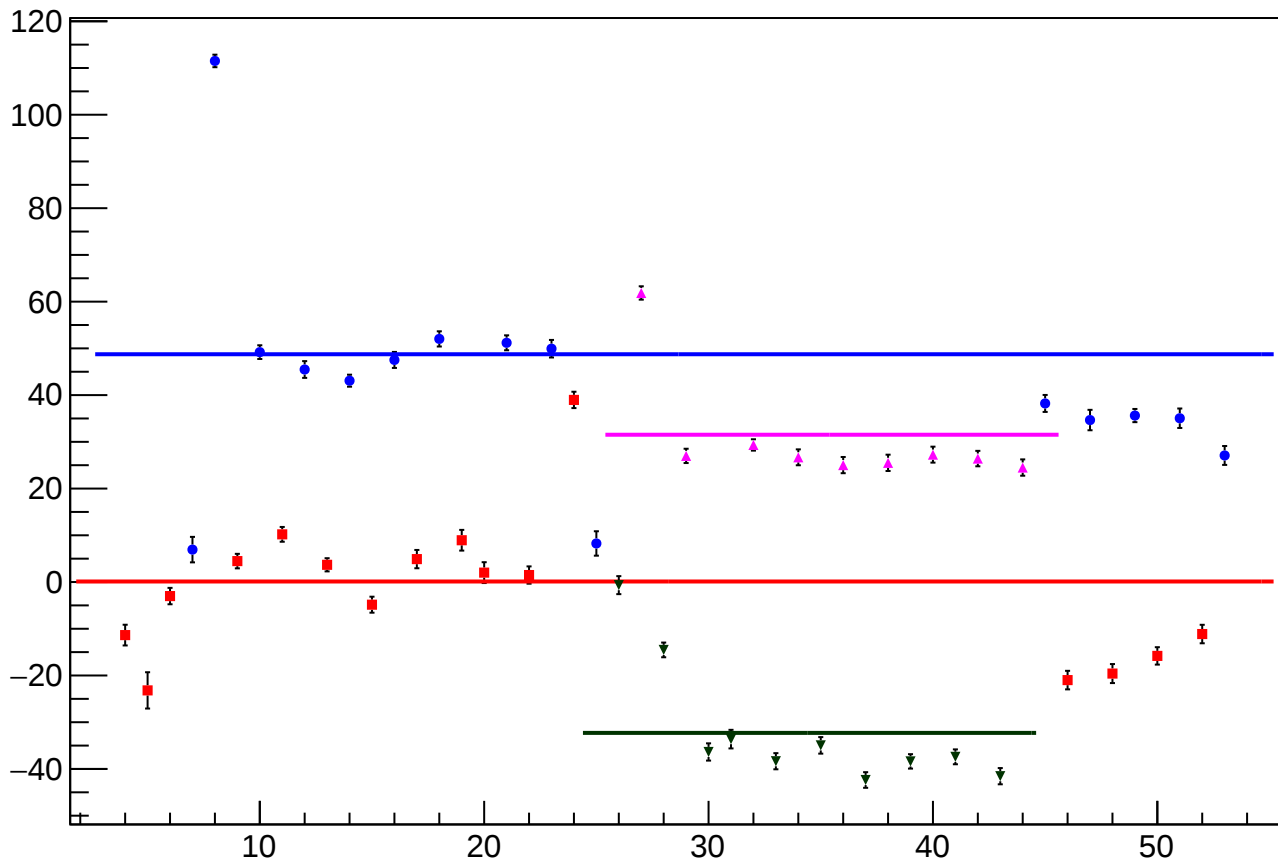
Right Out: 985.389+/-0.242 χ^2/NDF : 353088.2/15

Left In: 1028.985+/-0.307 χ^2/NDF : 42067.0/8

1004.986+/-0.187 χ^2/NDF : 661416.0/24

1002.086+/-0.190 χ^2/NDF : 407570.1/24

diff_bpm2i01Y_mean vs slug



Right In: 48.744+/-0.443 χ^2 /NDF: 3012.8/14

Left Out: -32.284+/-0.544 χ^2 /NDF:507.1/9

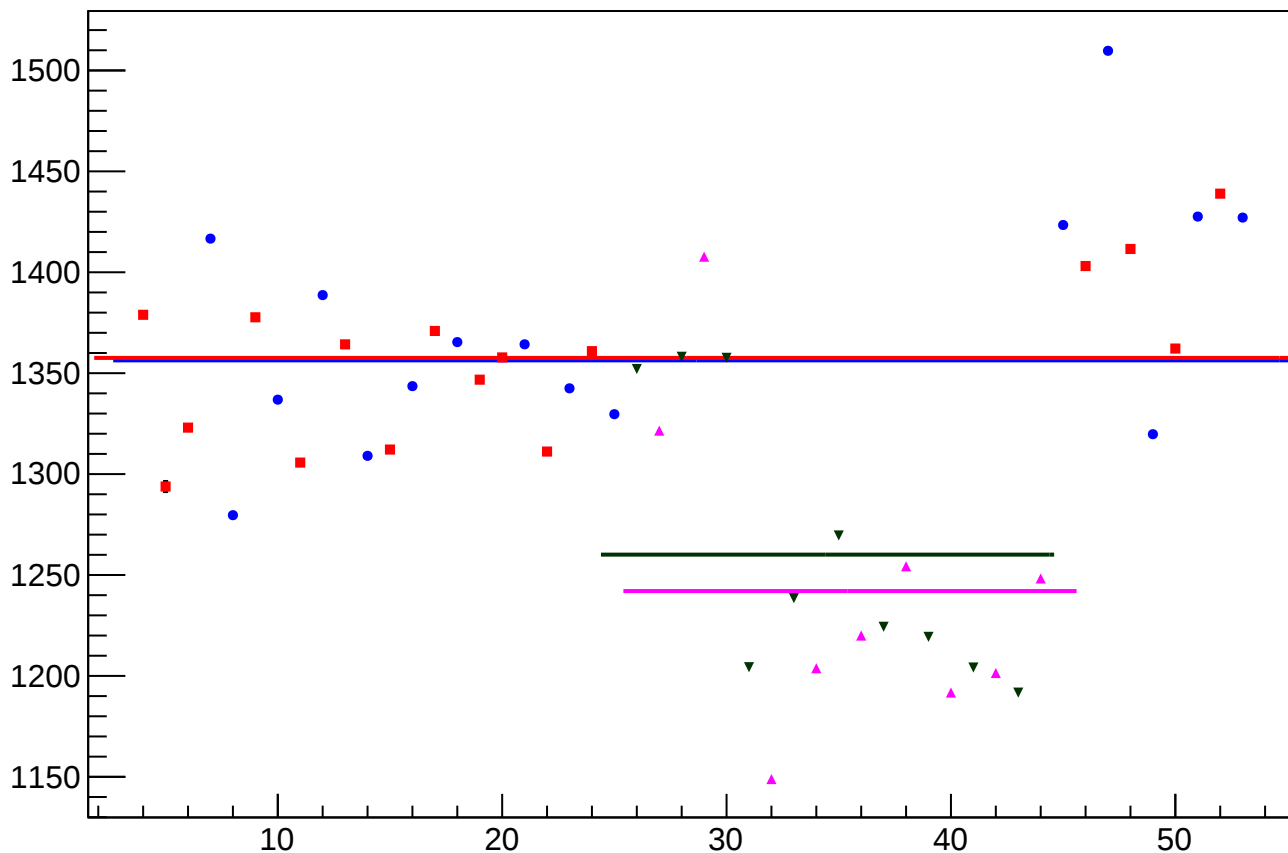
Right Out: 0.115+/-0.467 χ^2 /NDF: 958.9/15

Left In: 31.519+/-0.524 χ^2 /NDF:528.5/8

16.466+/-0.343 χ^2 /NDF: 16862.6/24

14.024+/-0.349 χ^2 /NDF: 3486.7/24

diff_bpm2i01Y_rms vs slug



Right In: 1356.350 $\pm$ 0.313 χ^2 /NDF: 30500.8/14

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

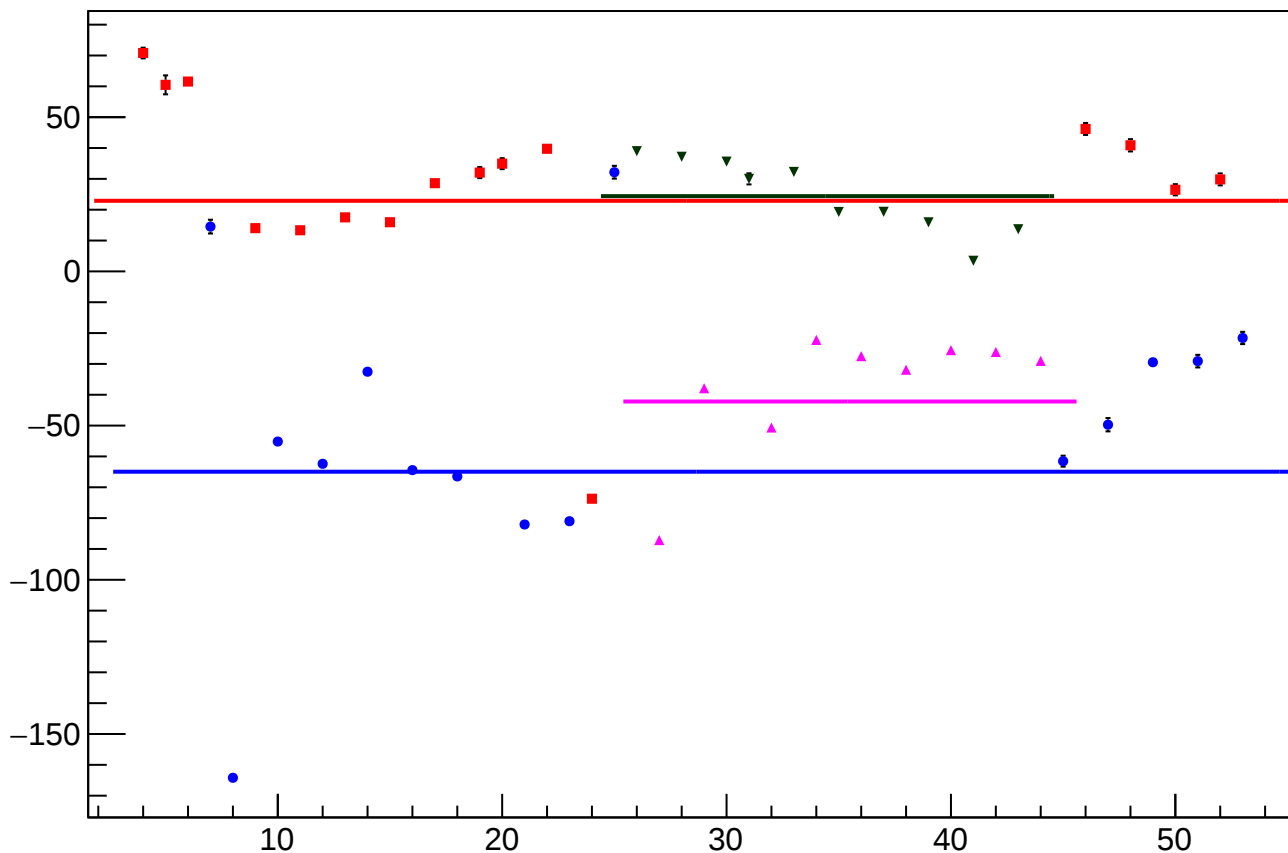
Right Out: 1357.566 $\pm$ 0.331 χ^2 /NDF: 12705.4/15

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

1318.007 $\pm$ 0.243 χ^2 /NDF: 95872.3/24

1306.398 $\pm$ 0.247 χ^2 /NDF: 112651.7/24

diff_bpm2i02X_mean vs slug



Right In: -64.954 ± 0.364 χ^2/NDF : 16838.3/14

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

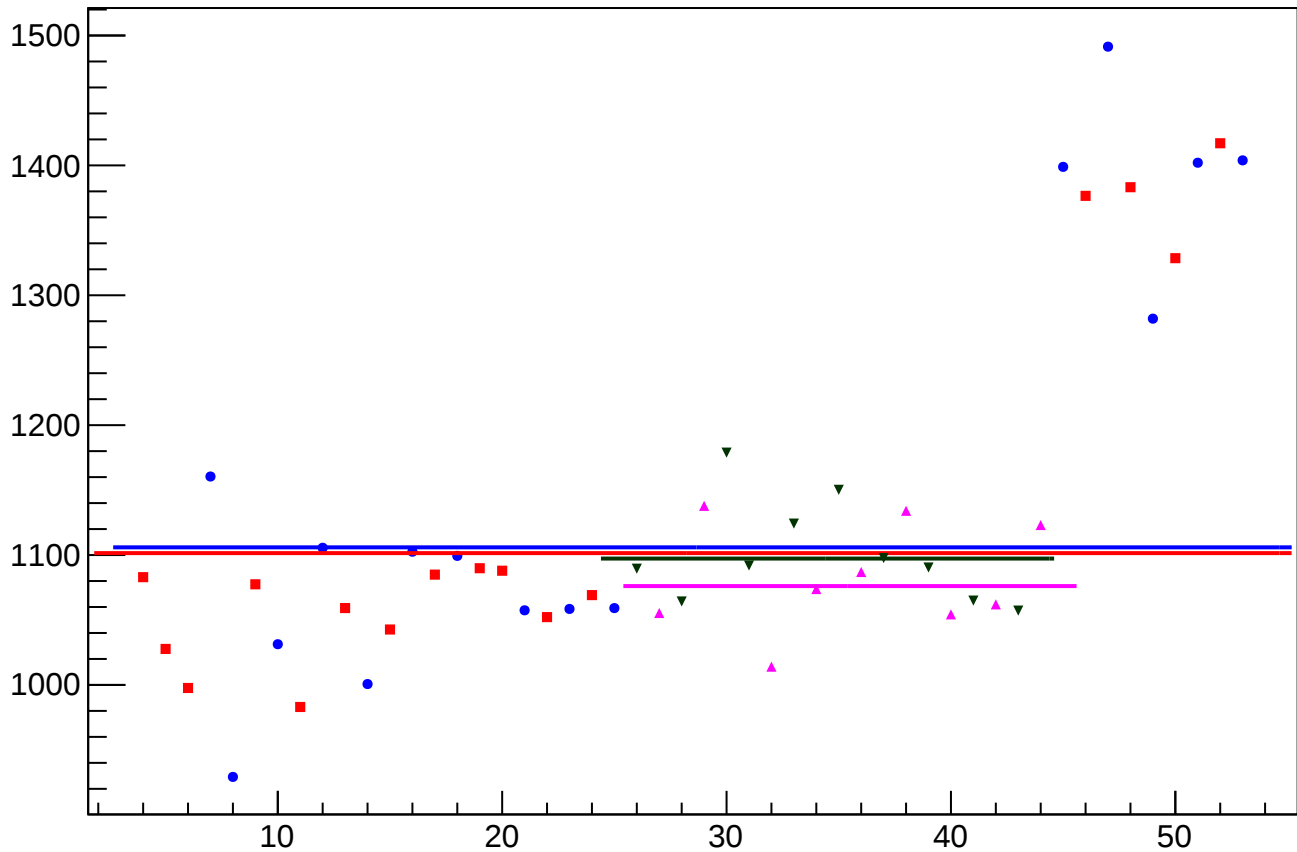
Right Out: 22.892 ± 0.381 χ^2/NDF : 7348.9/15

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

-31.792 ± 0.289 χ^2/NDF : 39832.9/24

-4.013 ± 0.292 χ^2/NDF : 21651.2/24

diff_bpm2i02X_rms vs slug



Right In: 1105.931+/-0.257 χ^2/NDF : 342105.3/14

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

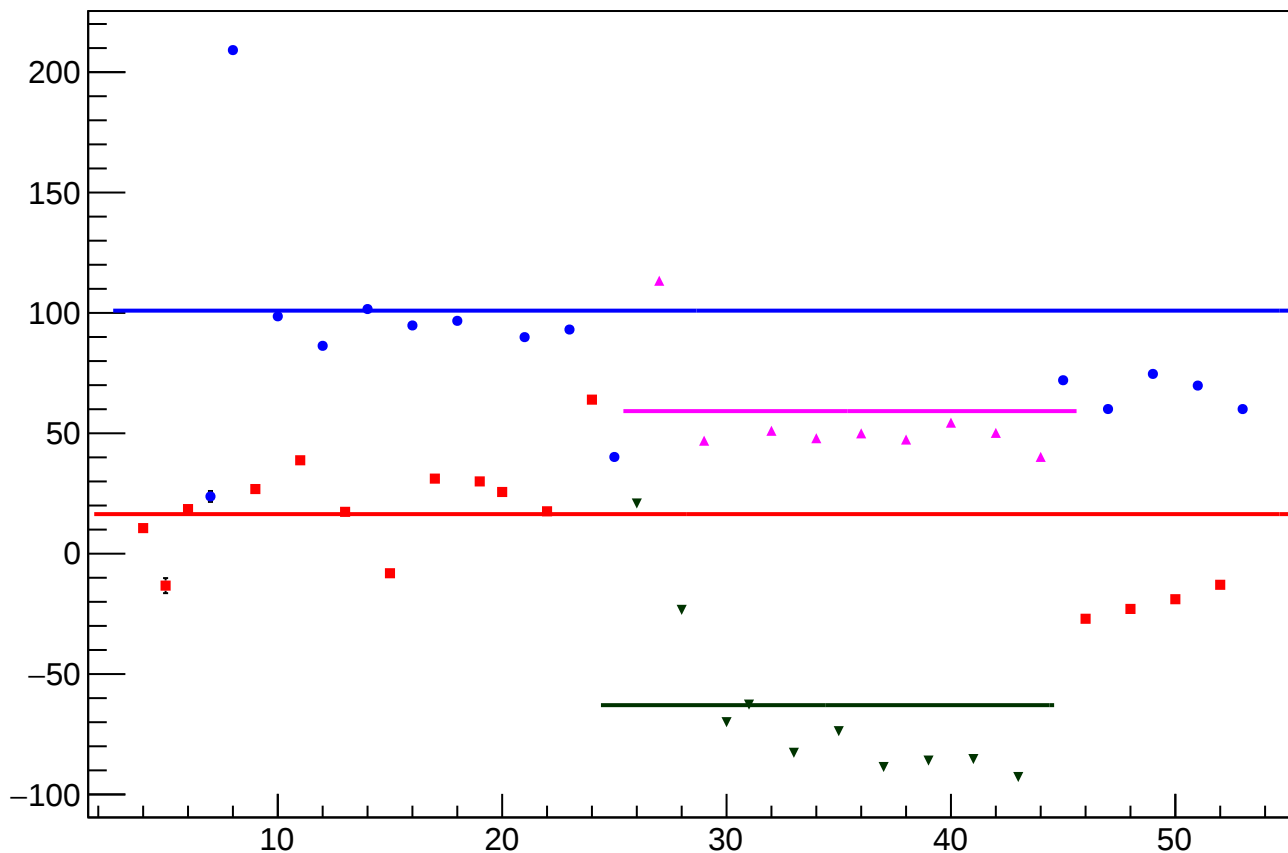
Right Out: 1101.489+/-0.269 χ^2/NDF : 208451.1/15

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

1102.726+/-0.204 χ^2/NDF : 354439.0/24

1090.997+/-0.206 χ^2/NDF : 229630.1/24

diff_bpm2i02Y_mean vs slug



Right In: 100.944 $\pm$ 0.365 χ^2 /NDF: 15579.3/14

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

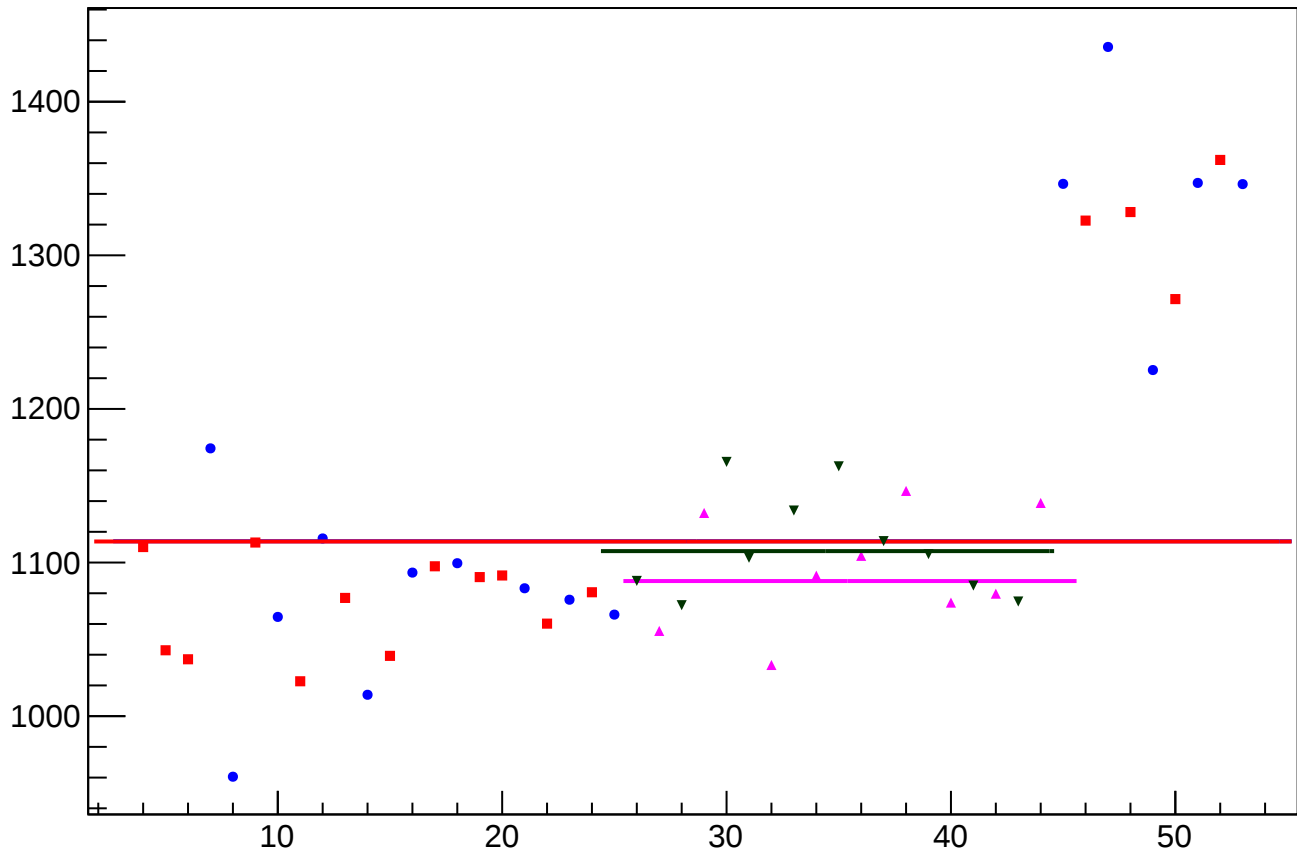
Right Out: 16.432 $\pm$ 0.385 χ^2 /NDF: 3797.0/15

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

40.466 $\pm$ 0.290 χ^2 /NDF: 95119.6/24

34.087 $\pm$ 0.295 χ^2 /NDF: 11646.2/24

diff_bpm2i02Y_rms vs slug



Right In: 1113.847+/-0.258 χ^2/NDF : 232443.4/14

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

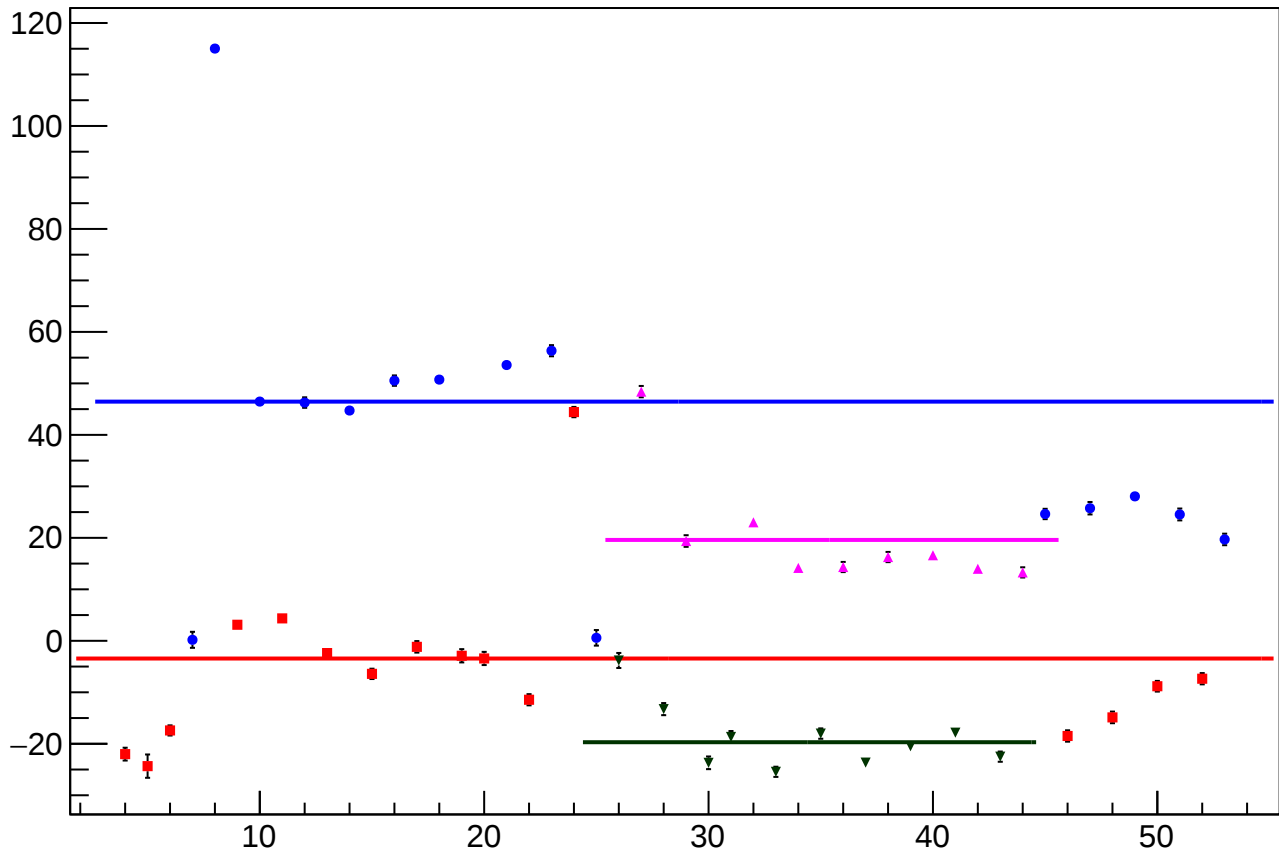
1111.483+/-0.205 χ^2/NDF : 241572.9/24

Right Out: 1113.706+/-0.272 χ^2/NDF : 132545.1/15

1103.077+/-0.208 χ^2/NDF : 150654.5/24

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

diff_bpm1i04X_mean vs slug



Right In: 46.458 ± 0.251 $\chi^2/\text{NDF}: 12410.4/14$

Left Out: -19.696 ± 0.329 $\chi^2/\text{NDF}: 226.0/9$

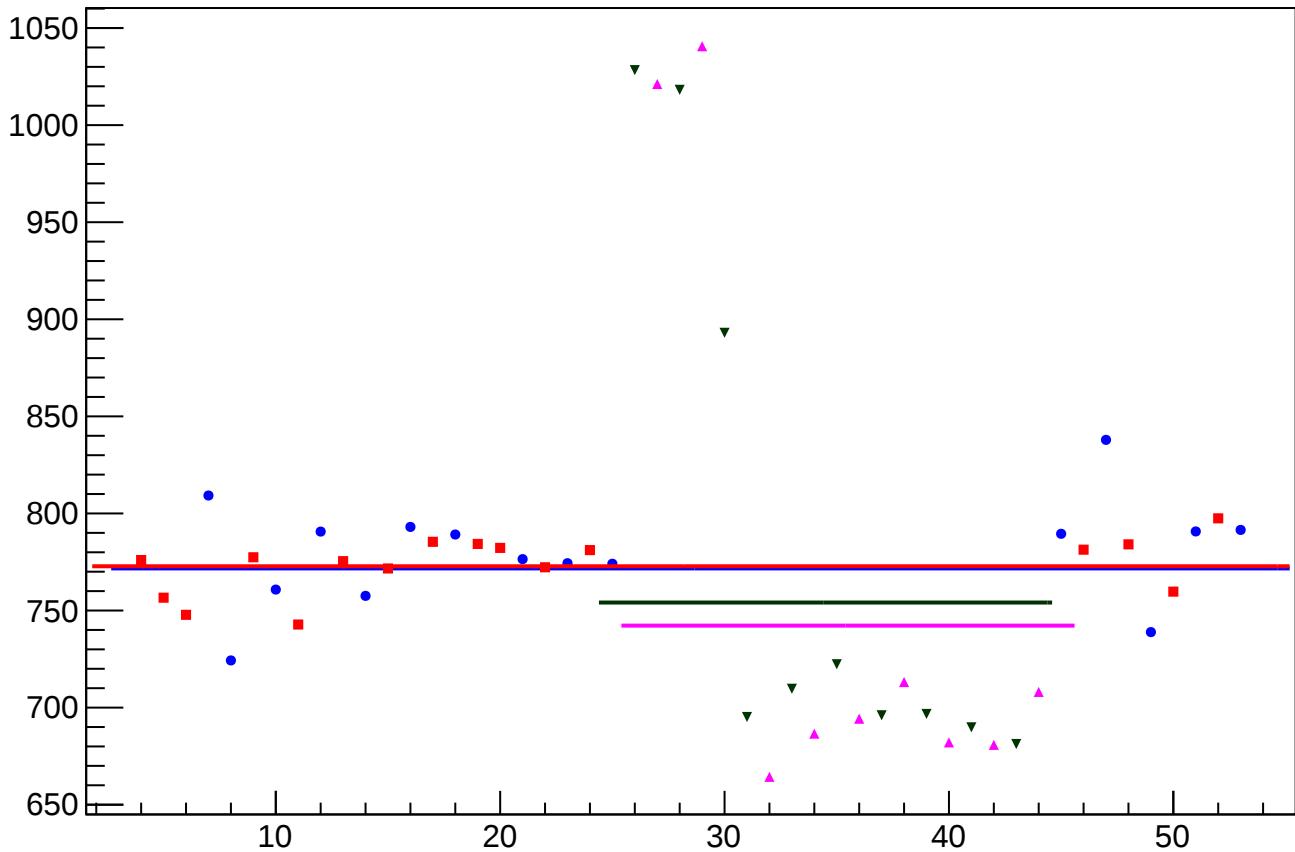
Right Out: -3.440 ± 0.266 $\chi^2/\text{NDF}: 3316.6/15$

Left In: 19.595 ± 0.317 $\chi^2/\text{NDF}: 863.4/8$

22.081 ± 0.200 $\chi^2/\text{NDF}: 38134.3/24$

6.060 ± 0.204 $\chi^2/\text{NDF}: 7281.8/24$

diff_bpm1i04X_rms vs slug



Right In: 771.693 ± 0.178 χ^2/NDF : 23631.3/14

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

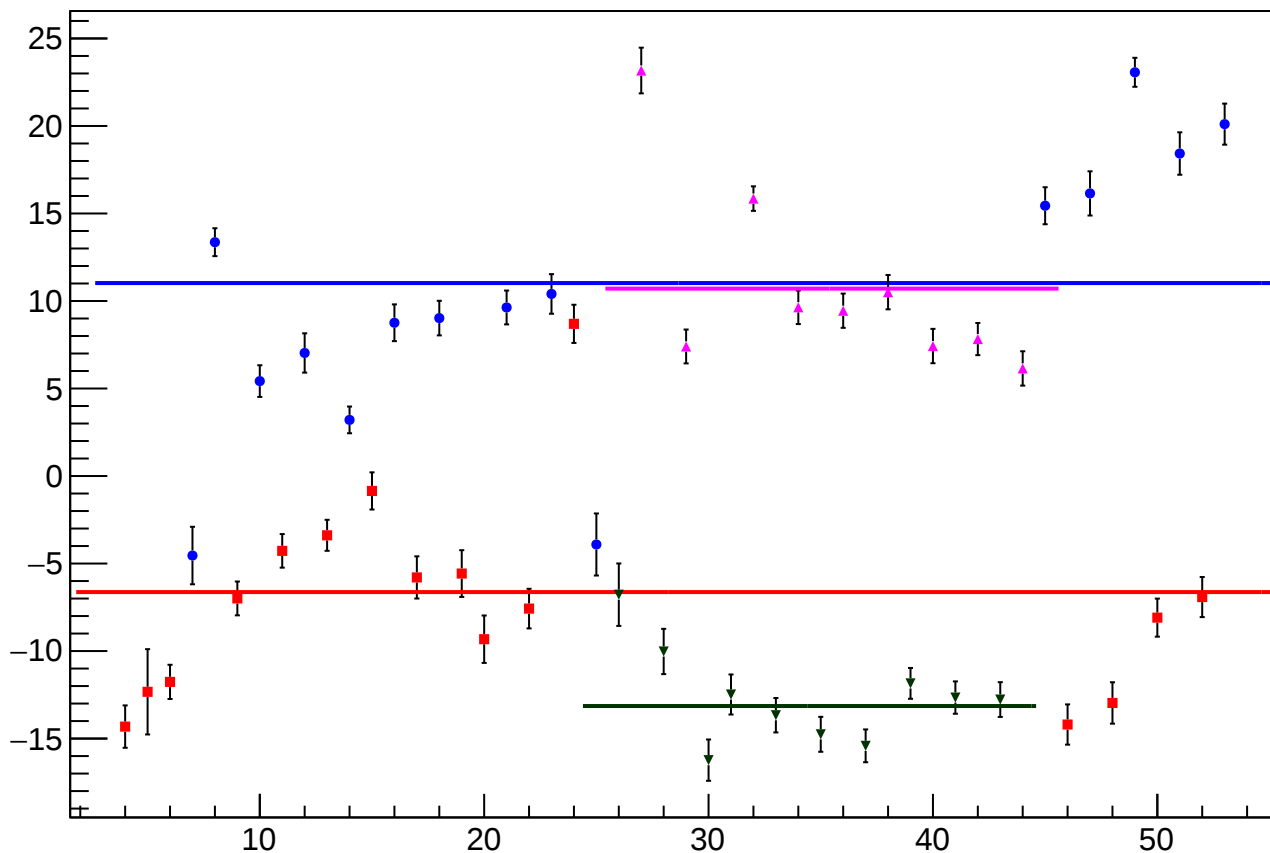
Right Out: 772.796 ± 0.188 χ^2/NDF : 6019.5/15

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

765.217 ± 0.141 χ^2/NDF : 271726.4/24

760.194 ± 0.144 χ^2/NDF : 340968.9/24

diff_bpm1i04Y_mean vs slug



Right In: 11.026 $\pm$ 0.266 χ^2 /NDF: 678.9/14

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

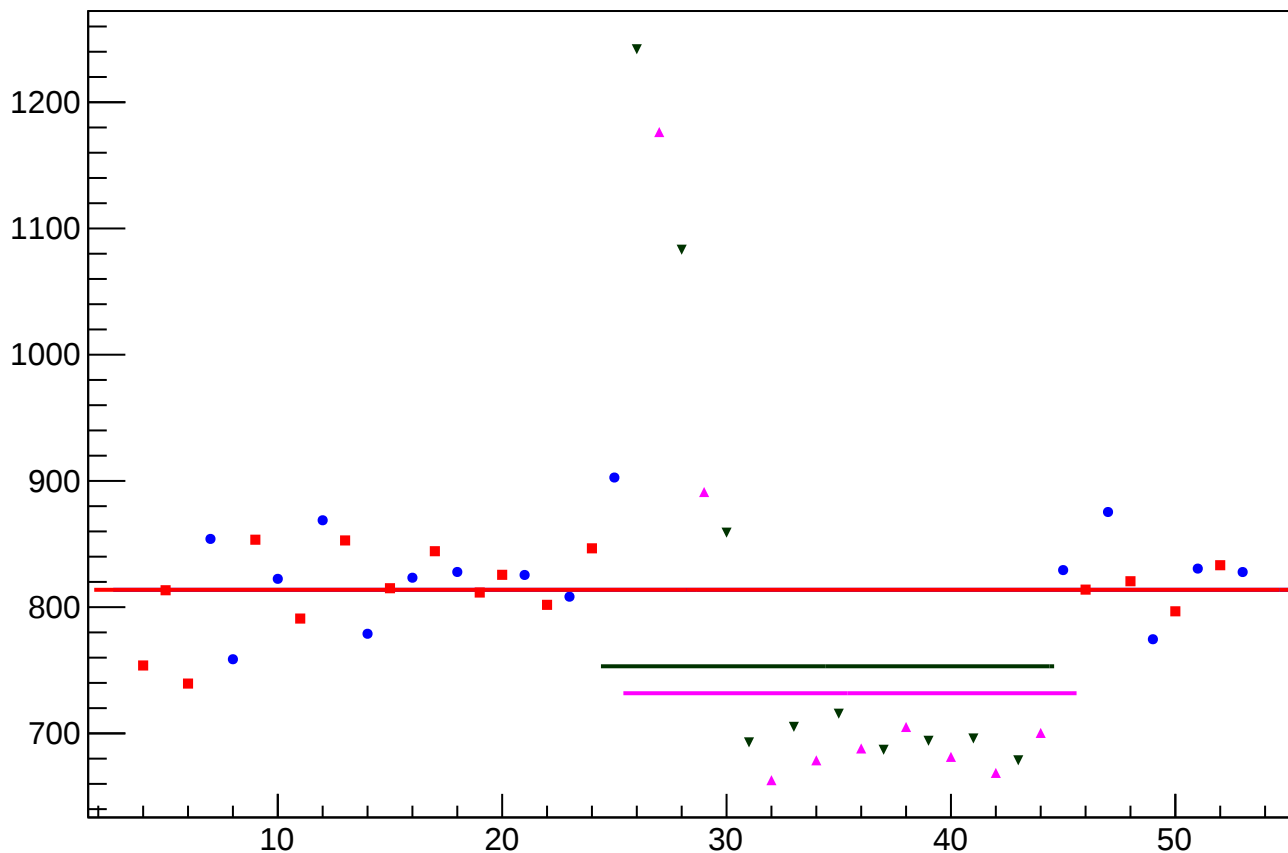
Right Out: -6.631 $\pm$ 0.281 χ^2 /NDF: 399.5/15

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

1.610 $\pm$ 0.208 χ^2 /NDF: 3938.6/24

1.058 $\pm$ 0.209 χ^2 /NDF: 2295.8/24

diff_bpm1i04Y_rms vs slug



Right In: 813.738 $\pm$ 0.188 χ^2 /NDF: 36201.6/14

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

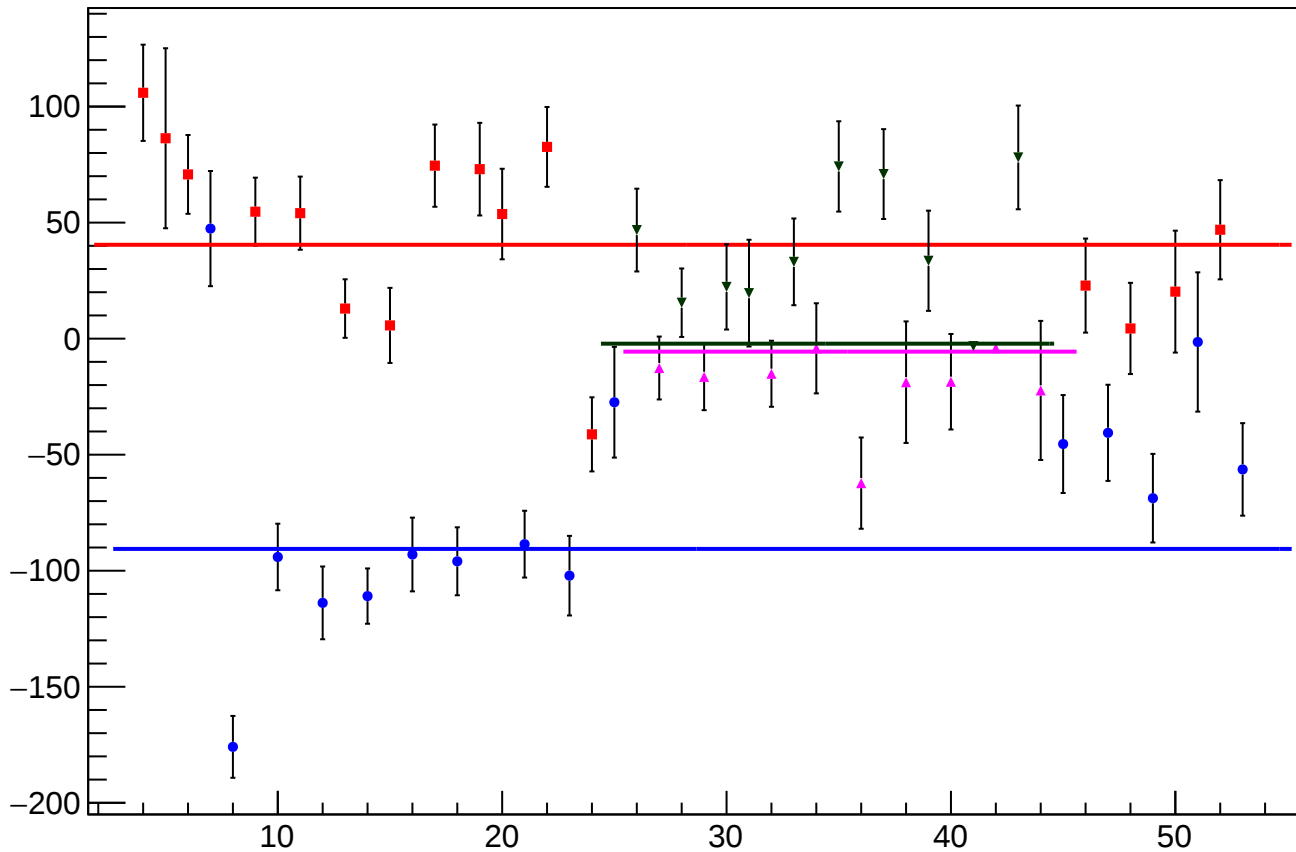
Right Out: 813.752 $\pm$ 0.198 χ^2 /NDF: 29471.9/15

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

790.139 $\pm$ 0.147 χ^2 /NDF: 424154.8/24

777.417 $\pm$ 0.148 χ^2 /NDF: 439108.8/24

diff_bpm0l02X_mean vs slug



Right In: -90.600 ± 4.352 χ^2/NDF : 108.2/14

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

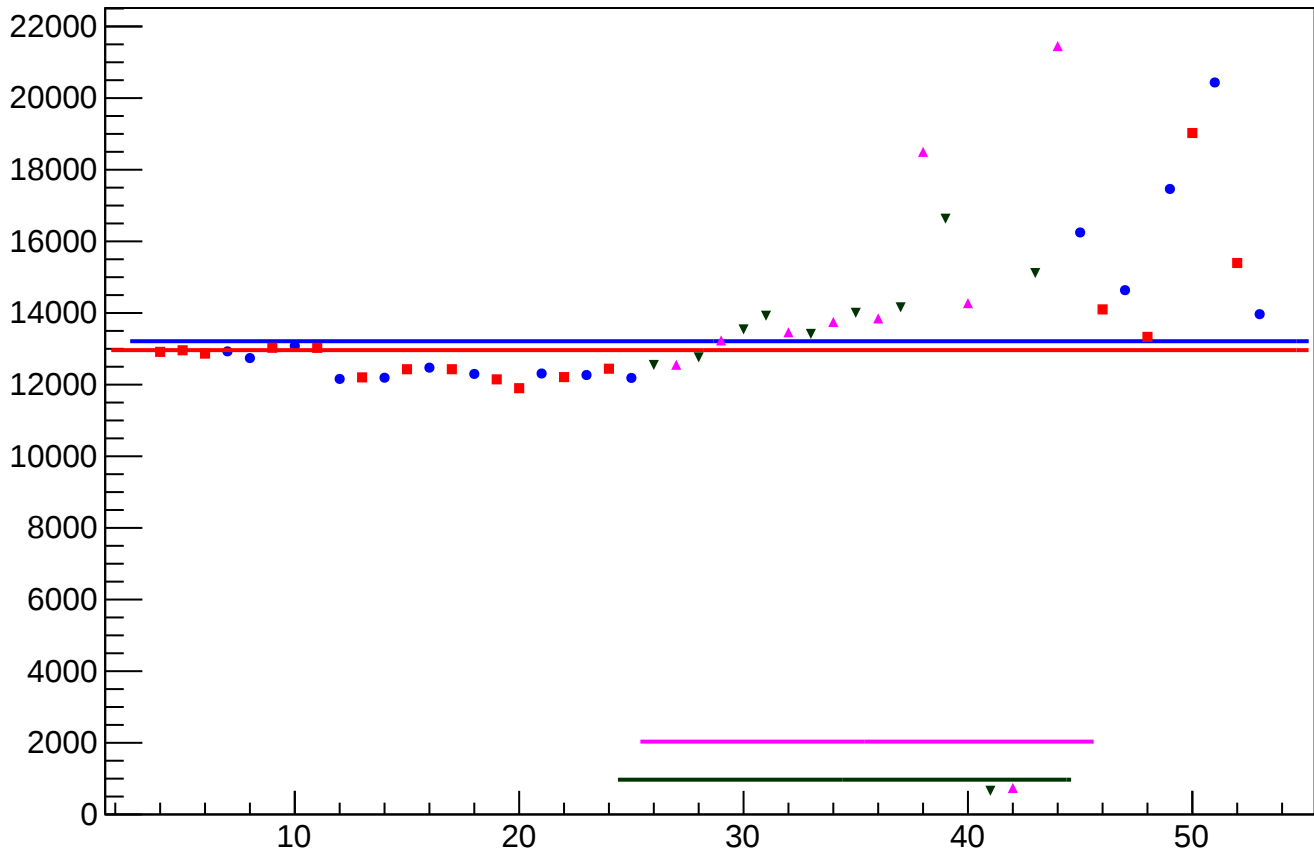
Right Out: 40.445 ± 4.493 χ^2/NDF : 69.4/15

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

-6.365 ± 0.948 χ^2/NDF : 563.1/24

1.751 ± 1.795 χ^2/NDF : 168.8/24

diff_bpm0l02X_rms vs slug



Right In: 13212.192+/-3.078 χ^2/NDF : 325107.8/14

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

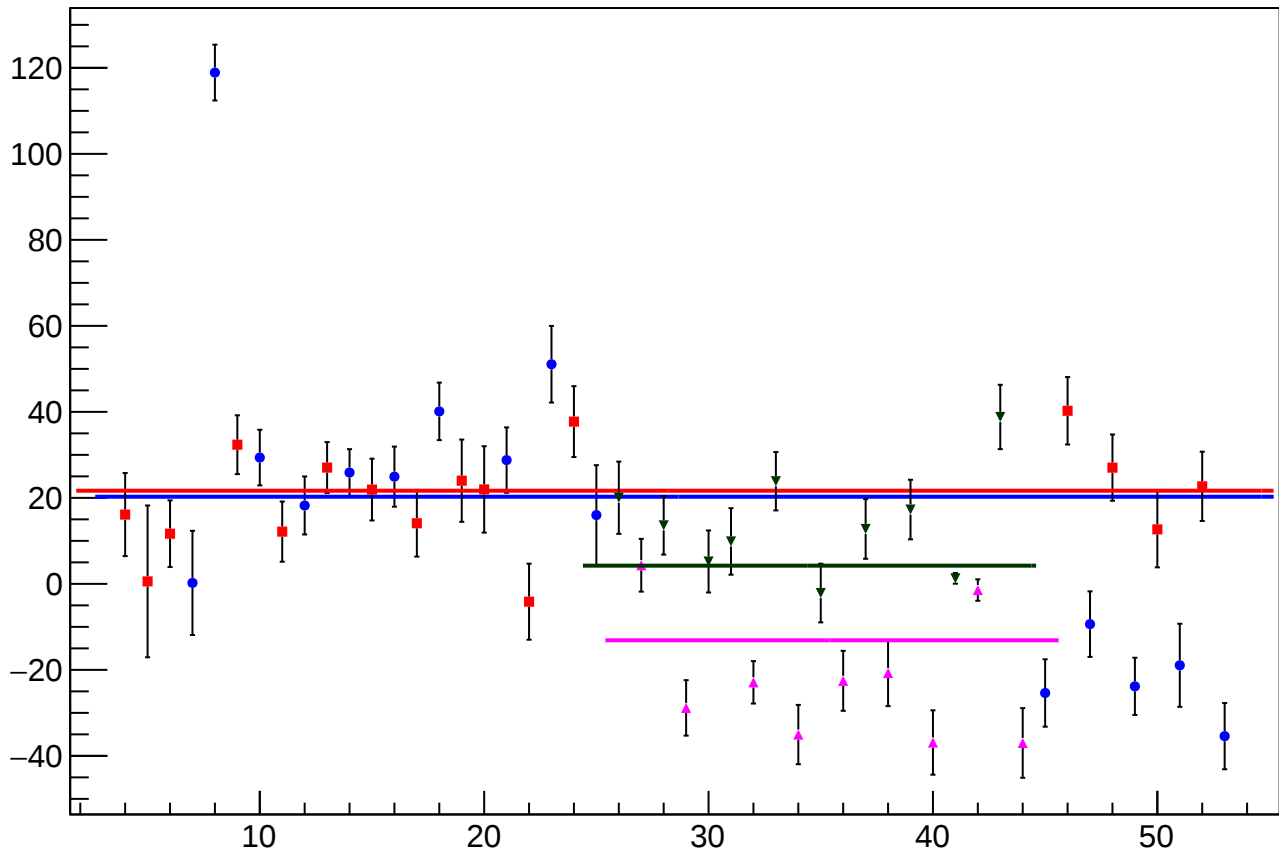
Right Out: 12963.434+/-3.177 χ^2/NDF : 166106.5/15

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

1551.930+/-0.671 χ^2/NDF : 23853012.6/24

3778.119+/-1.269 χ^2/NDF : 18405199.0/24

diff_bpm0l02Y_mean vs slug



Right In: 20.267 $\pm$ 1.910 χ^2 /NDF: 420.9/14

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

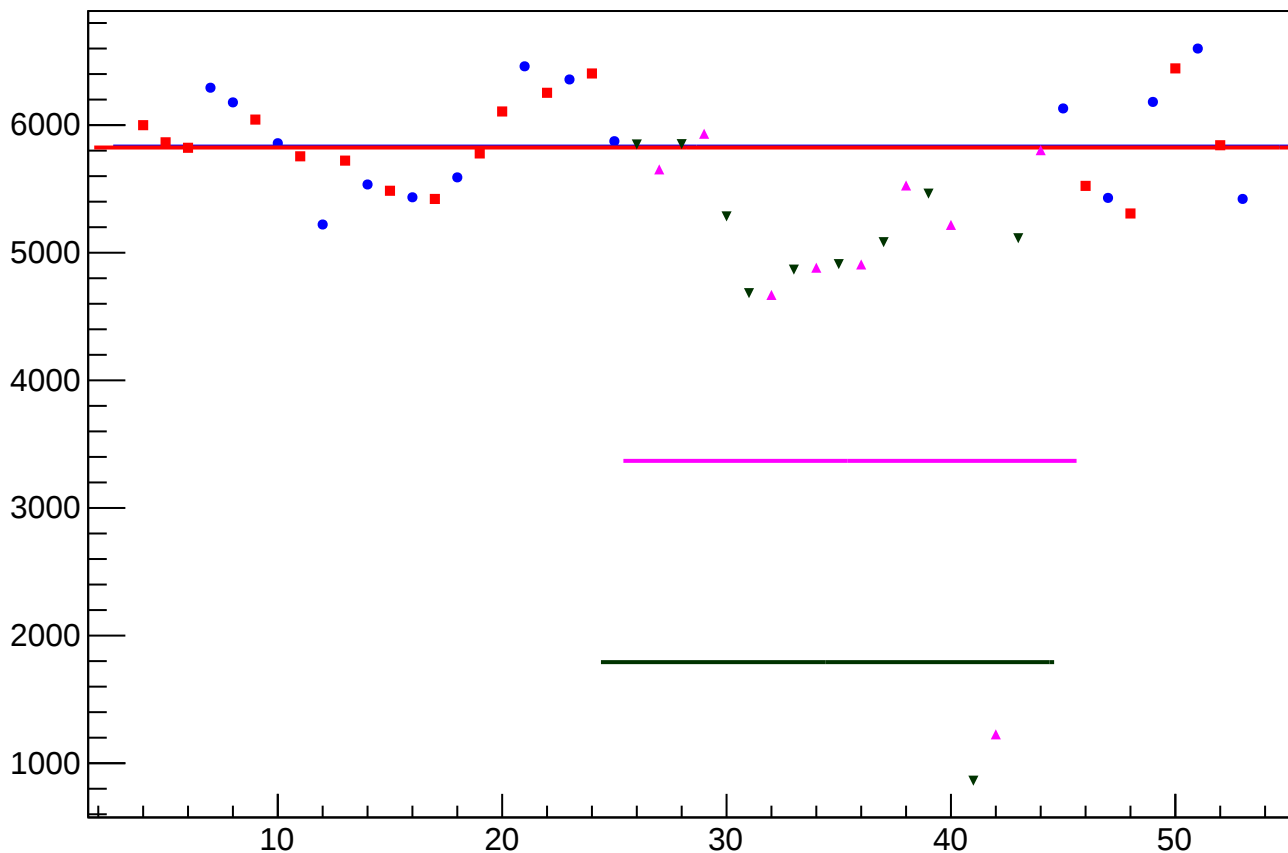
Right Out: 21.664 $\pm$ 2.014 χ^2 /NDF: 29.0/15

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

8.256 $\pm$ 0.957 χ^2 /NDF: 520.9/24

1.385 $\pm$ 1.301 χ^2 /NDF: 274.6/24

diff_bpm0l02Y_rms vs slug



Right In: 5831.755+/-1.351 χ^2 /NDF: 93075.9/14

Left Out: 1792.038+/-0.782 χ^2 /NDF:5271430.0/9

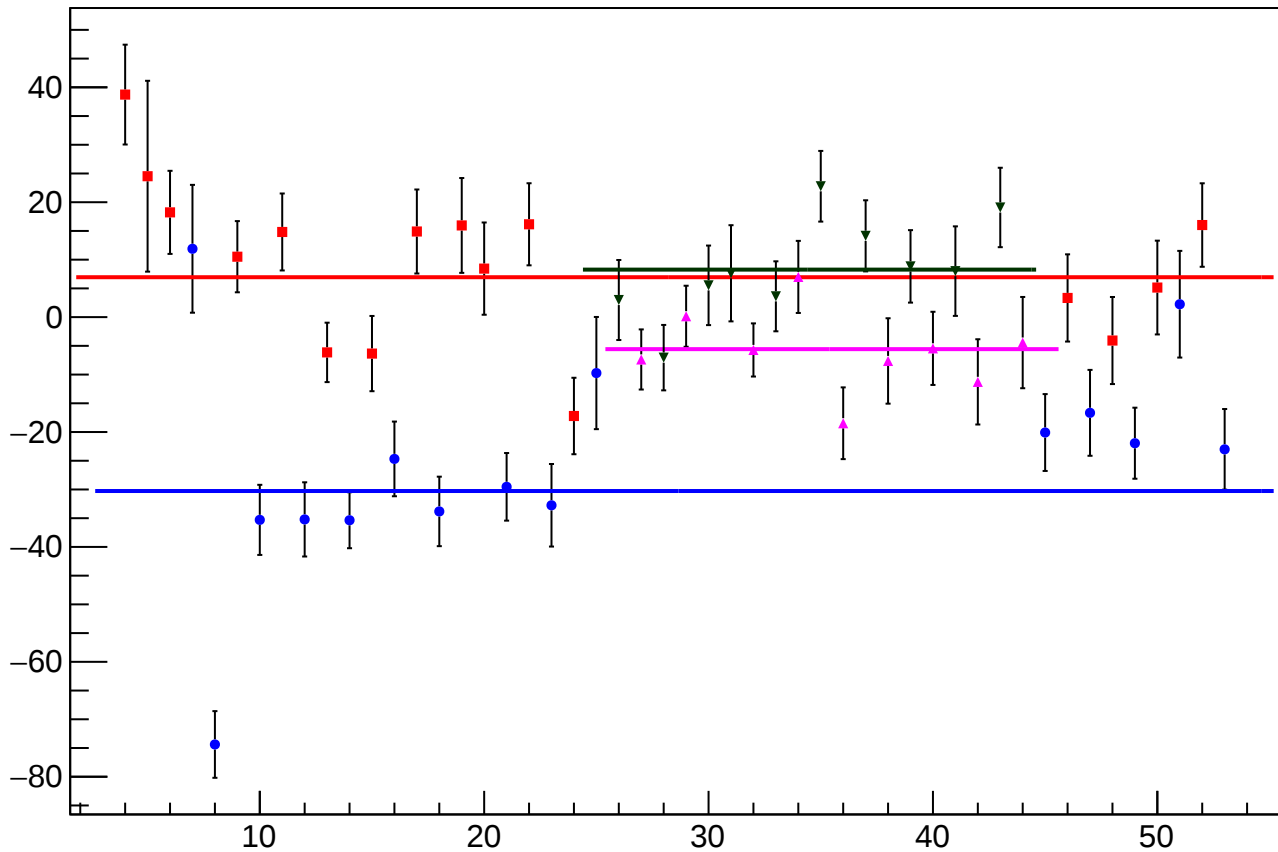
Right Out: 5824.361+/-1.424 χ^2 /NDF: 51402.8/15

Left In: 3369.133+/-1.205 χ^2 /NDF:2866176.4/8

2805.494+/-0.676 χ^2 /NDF: 12066773.8/24

4393.218+/-0.920 χ^2 /NDF: 4649767.1/24

diff_bpm0l03X_mean vs slug



Right In: -30.268 ± 1.718 χ^2/NDF : 100.9/14

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

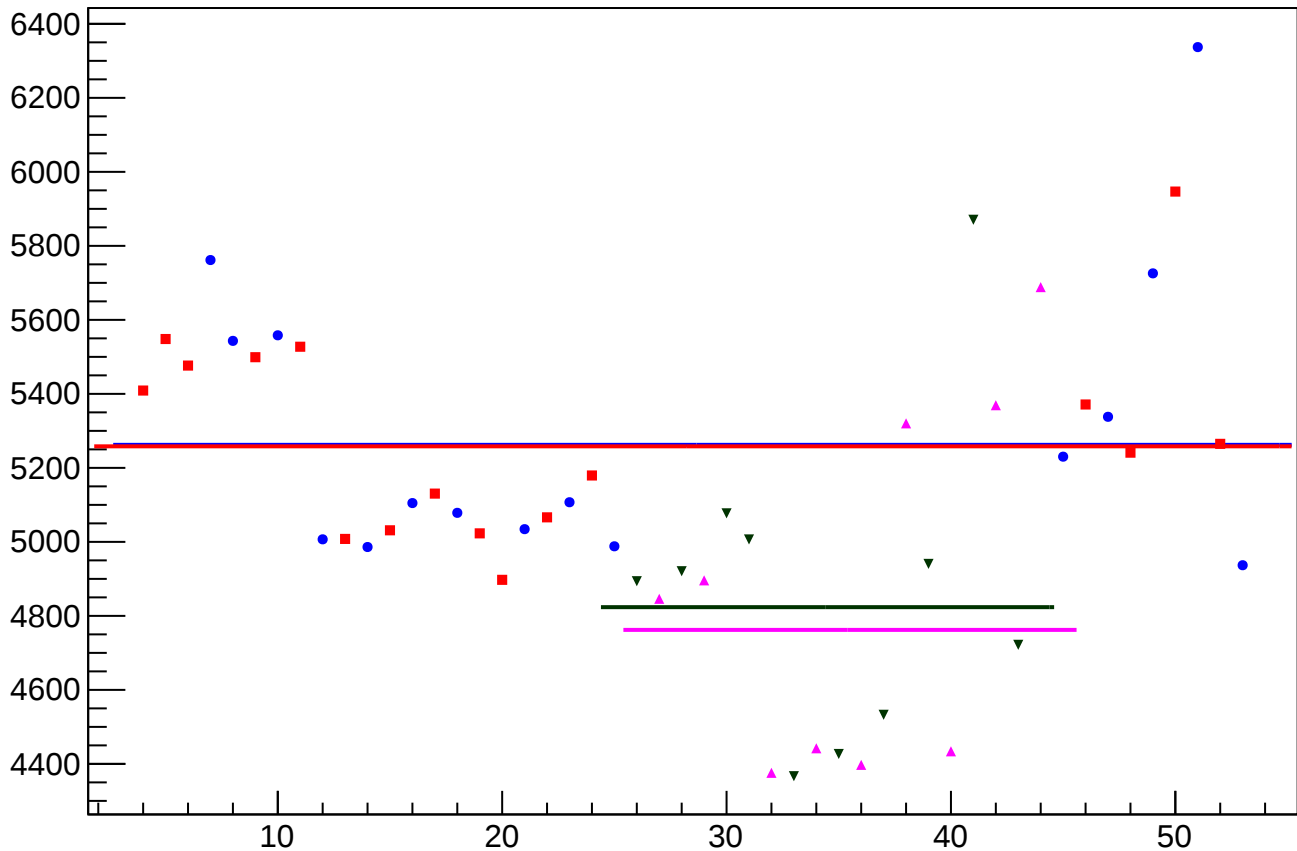
Right Out: 6.945 ± 1.811 χ^2/NDF : 50.4/15

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

-14.741 ± 1.328 χ^2/NDF : 321.1/24

1.347 ± 1.347 χ^2/NDF : 82.0/24

diff_bpm0l03X_rms vs slug



Right In: 5262.240+/-1.215 χ^2/NDF : 74100.1/14

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

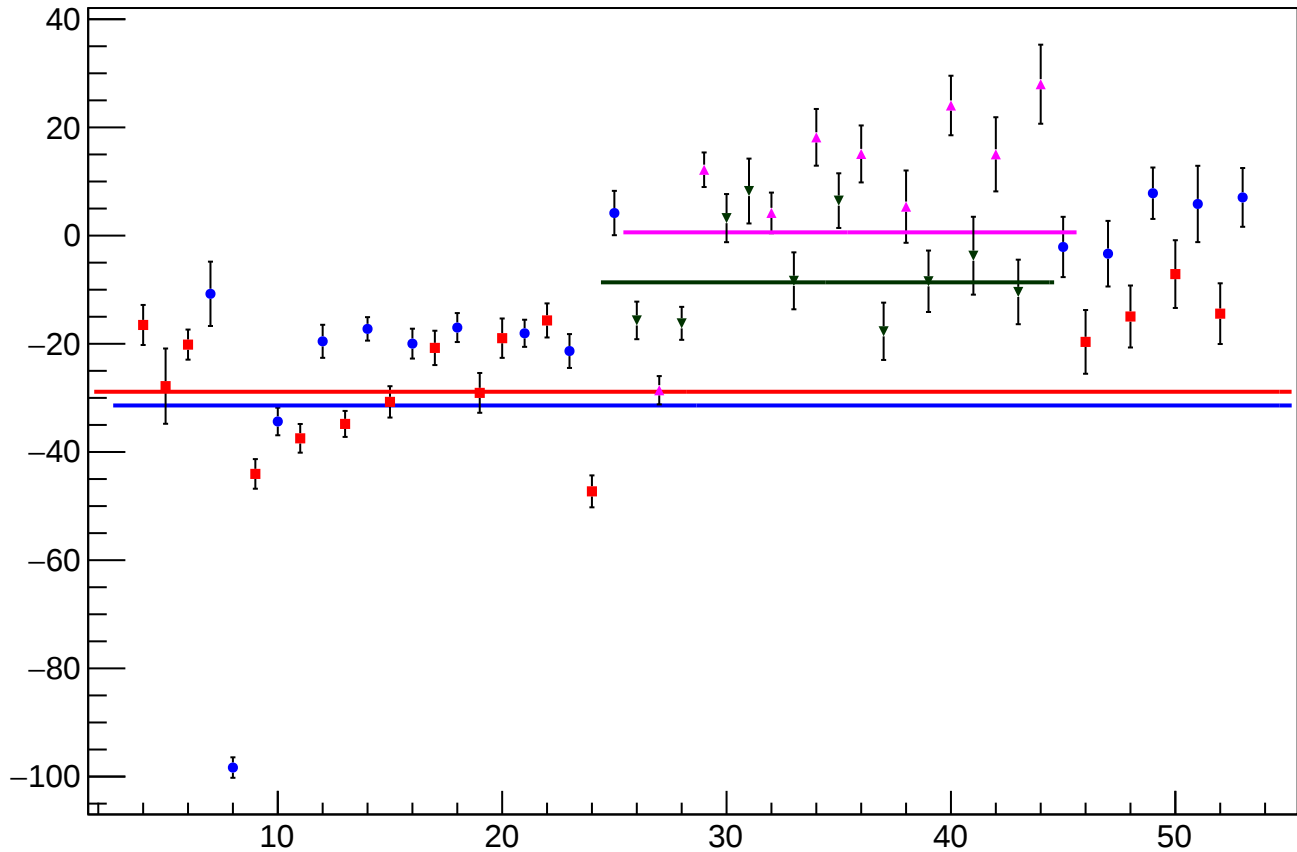
Right Out: 5258.202+/-1.281 χ^2/NDF : 39056.8/15

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

5085.489+/-0.939 χ^2/NDF : 192269.7/24

5036.385+/-0.952 χ^2/NDF : 191091.0/24

diff_bpm0l03Y_mean vs slug



Right In: -31.400 ± 0.809 χ^2/NDF : 1676.5/14

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

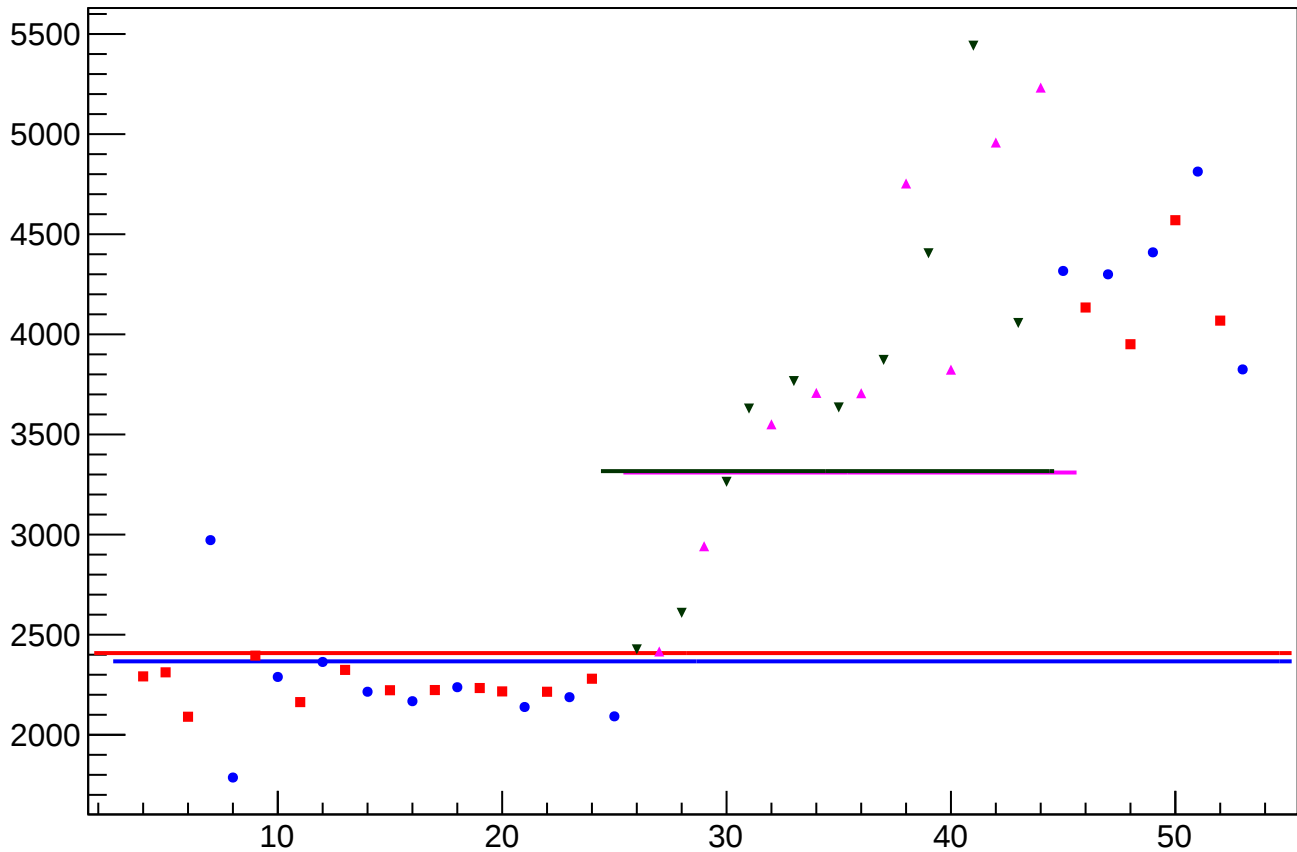
Right Out: -28.866 ± 0.854 χ^2/NDF : 166.2/15

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

-26.152 ± 0.709 χ^2/NDF : 1896.9/24

-21.199 ± 0.734 χ^2/NDF : 670.2/24

diff_bpm0l03Y_rms vs slug



Right In: 2366.860+/-0.572 χ^2/NDF : 1469422.4/14

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

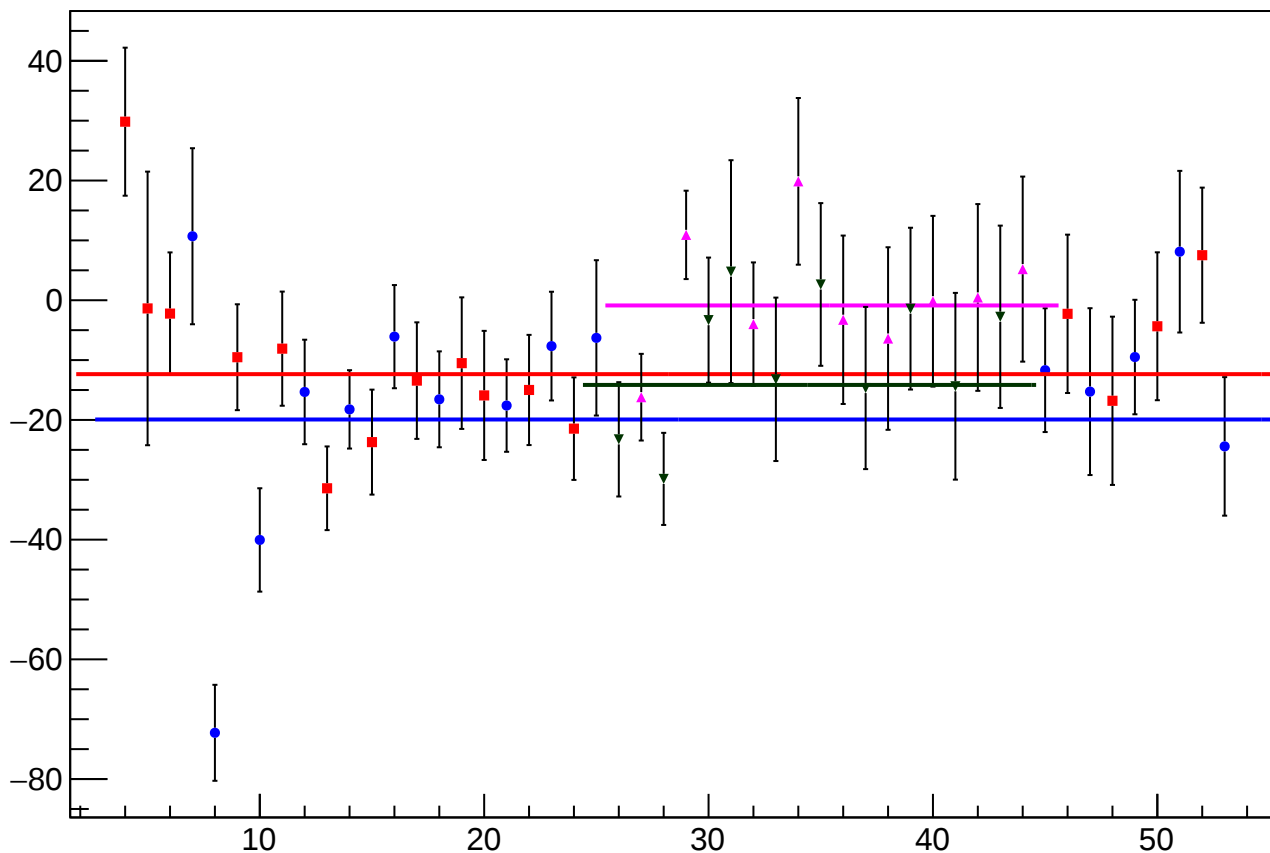
Right Out: 2408.125+/-0.604 χ^2/NDF : 814574.7/15

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

2585.914+/-0.502 χ^2/NDF : 2674016.9/24

2642.755+/-0.519 χ^2/NDF : 2050208.0/24

diff_bpm0l04X_mean vs slug



Right In: -19.924 ± 2.409 χ^2/NDF : 64.9/14

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

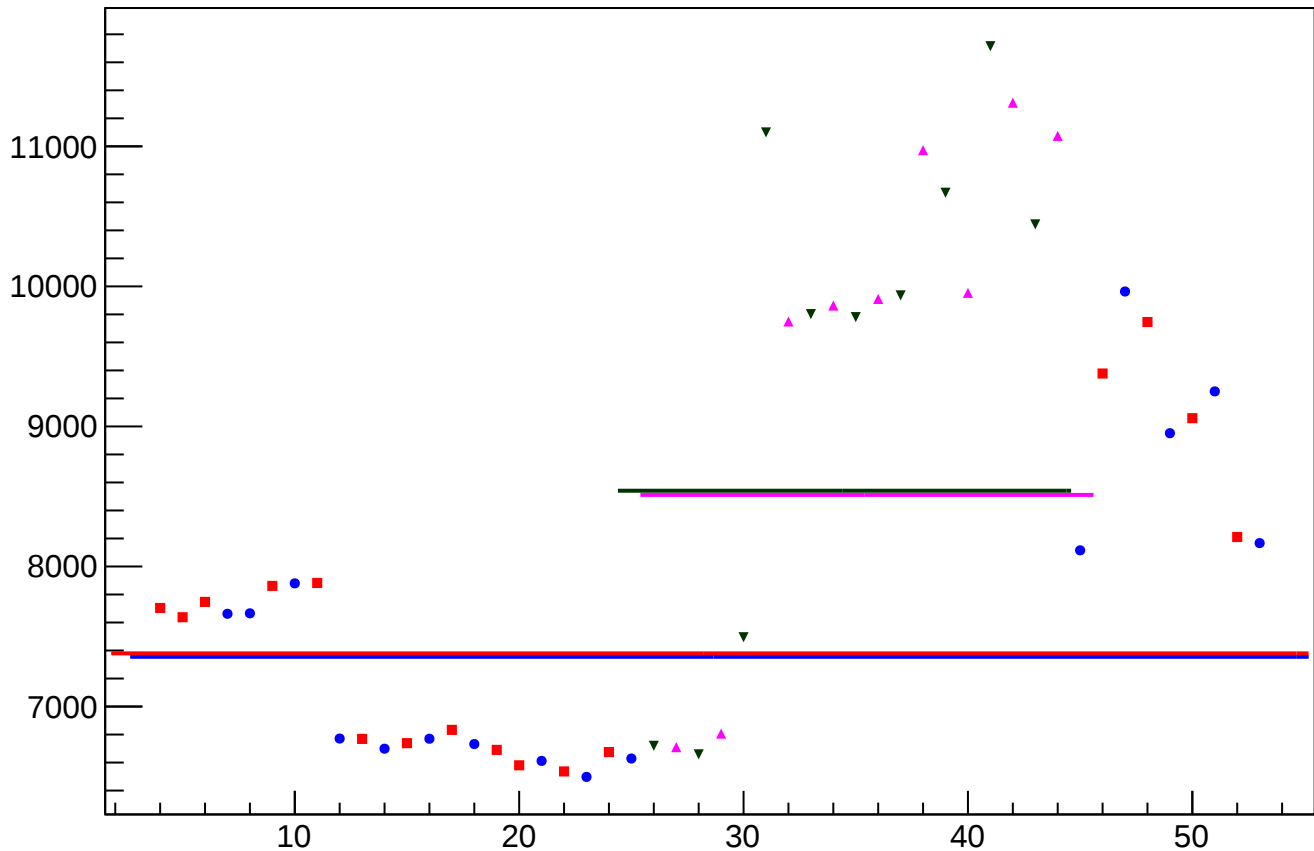
Right Out: -12.349 ± 2.554 χ^2/NDF : 27.8/15

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

-18.256 ± 2.032 χ^2/NDF : 76.7/24

-8.593 ± 2.095 χ^2/NDF : 44.1/24

diff_bpm0l04X_rms vs slug



Right In: 7355.245+/-1.704 χ^2/NDF : 290006.7/14

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

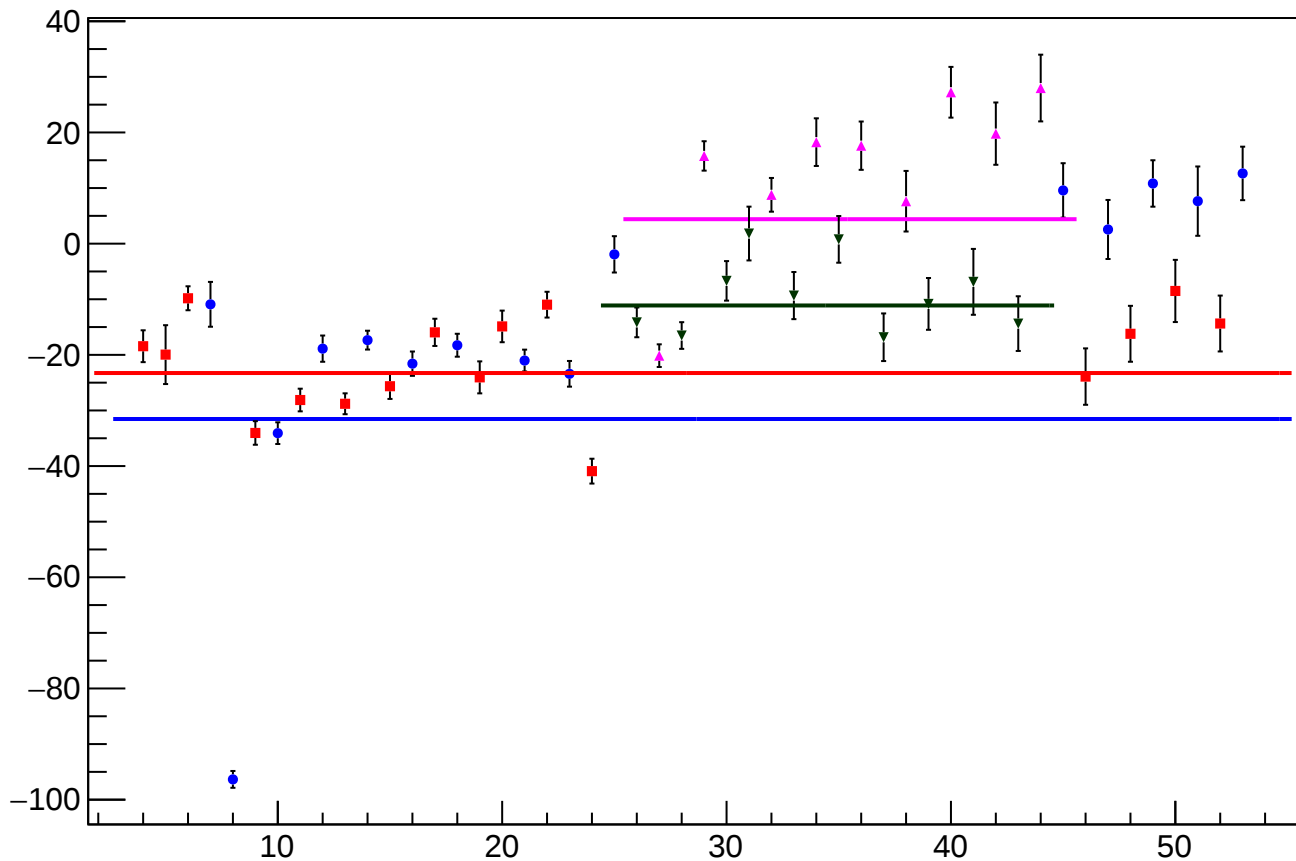
Right Out: 7379.609+/-1.806 χ^2/NDF : 247172.1/15

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

7697.945+/-1.437 χ^2/NDF : 898702.0/24

7749.857+/-1.481 χ^2/NDF : 865474.0/24

diff_bpm0l04Y_mean vs slug



Right In: -31.537 $\pm$ 0.635 χ^2/NDF : 2485.8/14

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

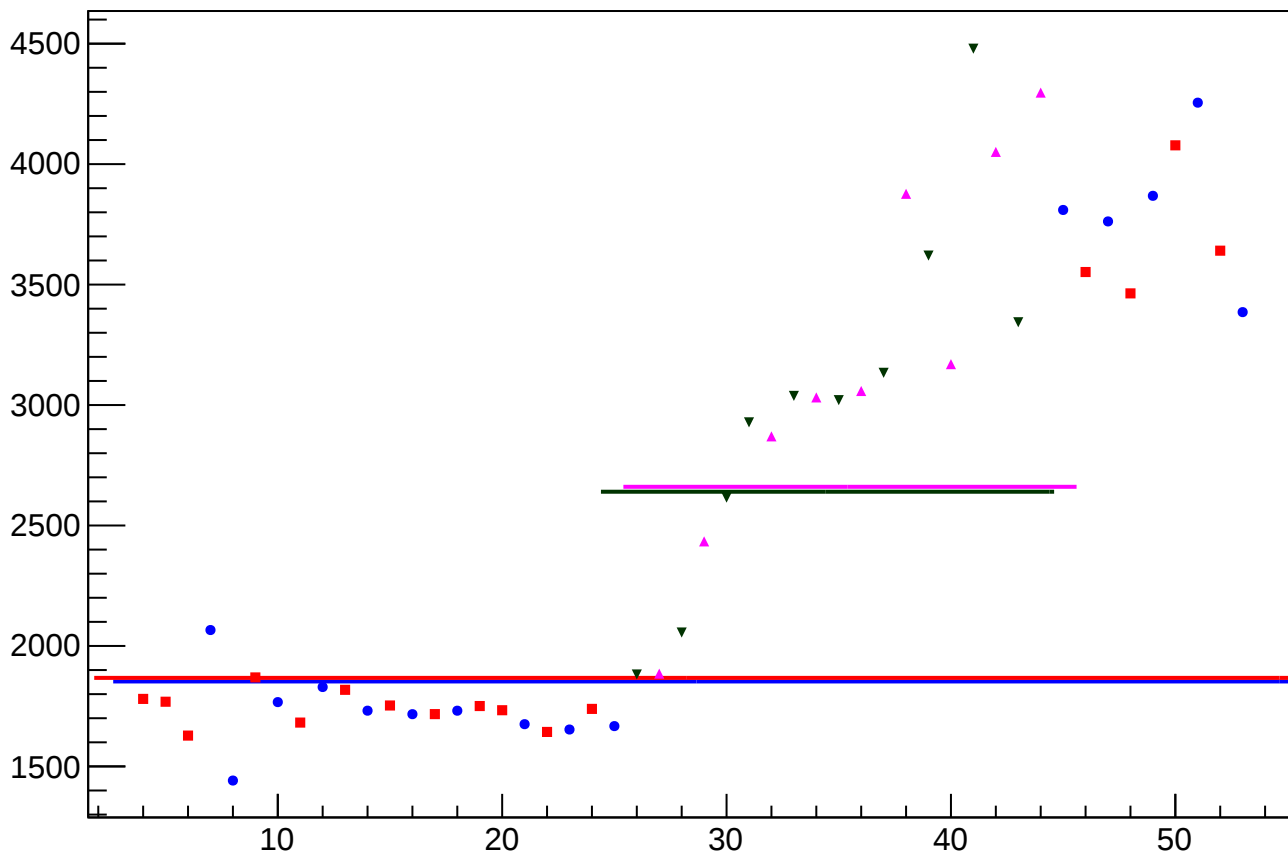
Right Out: -23.267 $\pm$ 0.665 χ^2/NDF : 203.8/15

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

-26.948 $\pm$ 0.559 χ^2/NDF : 2744.0/24

-16.433 $\pm$ 0.577 χ^2/NDF : 864.8/24

diff_bpm0l04Y_rms vs slug



Right In: 1852.627+/-0.449 χ^2/NDF : 1764977.2/14

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

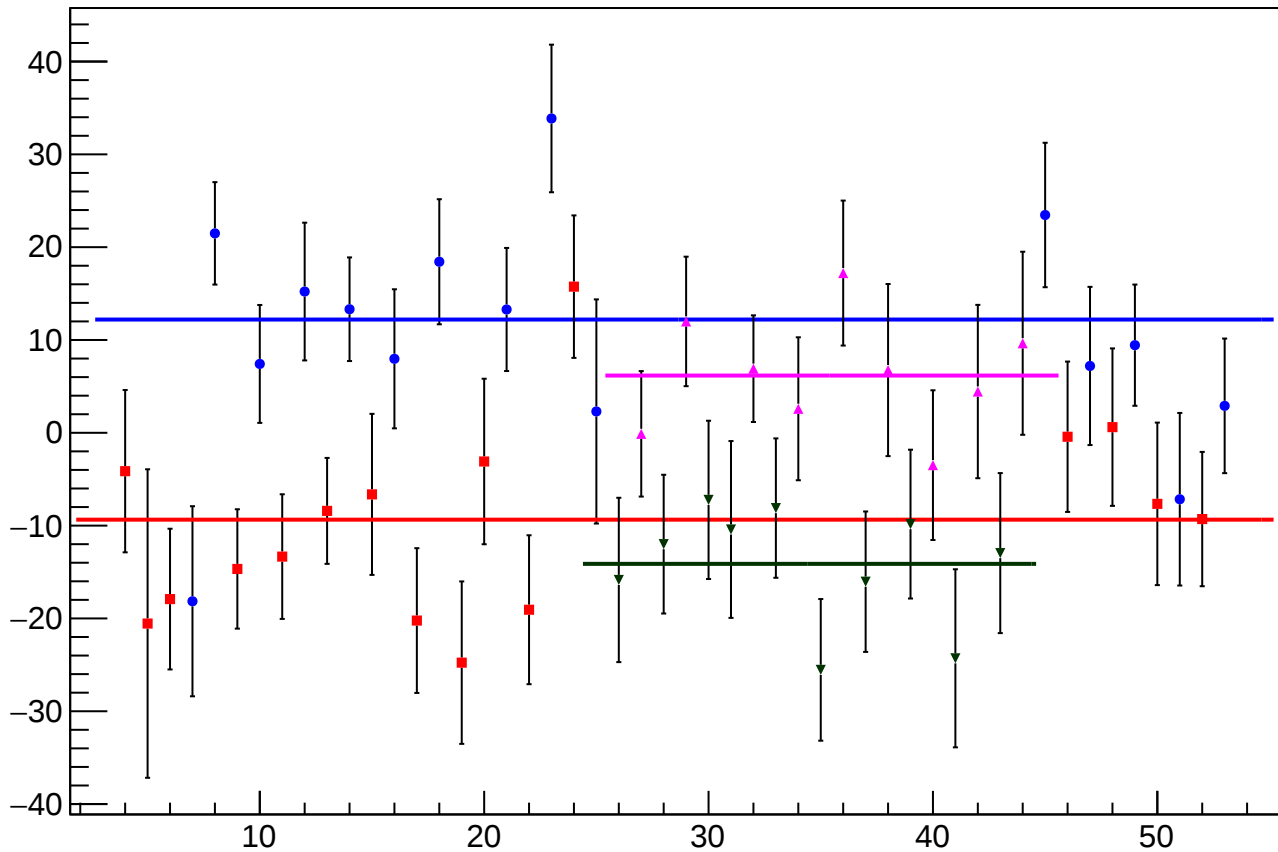
Right Out: 1867.490+/-0.470 χ^2/NDF : 1074758.3/15

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

2029.619+/-0.396 χ^2/NDF : 3125257.2/24

2063.416+/-0.408 χ^2/NDF : 2519205.1/24

diff_bpm0l05X_mean vs slug



Right In: 12.203+/-1.867 χ^2/NDF : 30.3/14

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

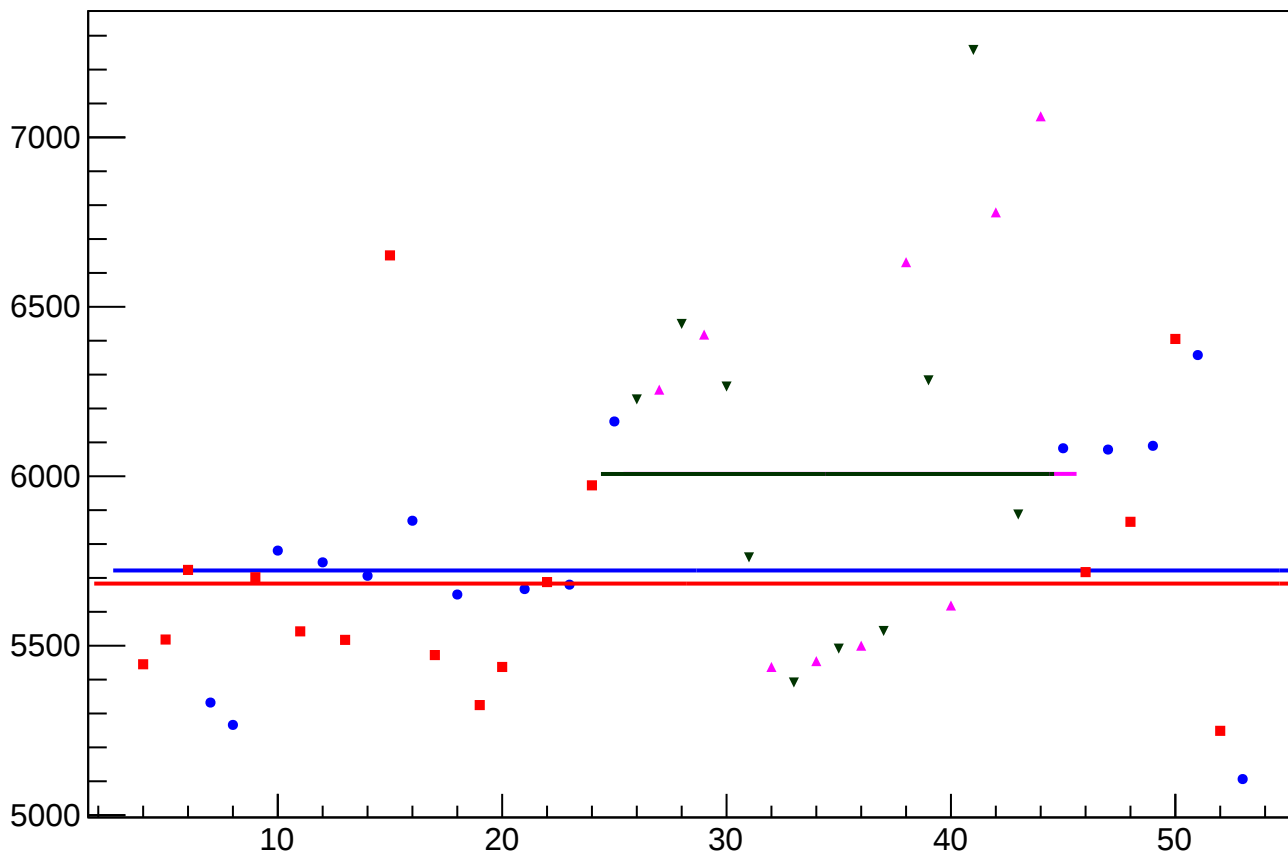
Right Out: -9.359+/-1.960 χ^2/NDF : 23.6/15

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

3.259+/-1.517 χ^2/NDF : 103.1/24

-3.570+/-1.552 χ^2/NDF : 52.4/24

diff_bpm0l05X_rms vs slug



Right In: 5722.017 ± 1.320 χ^2/NDF : 58487.4/14

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

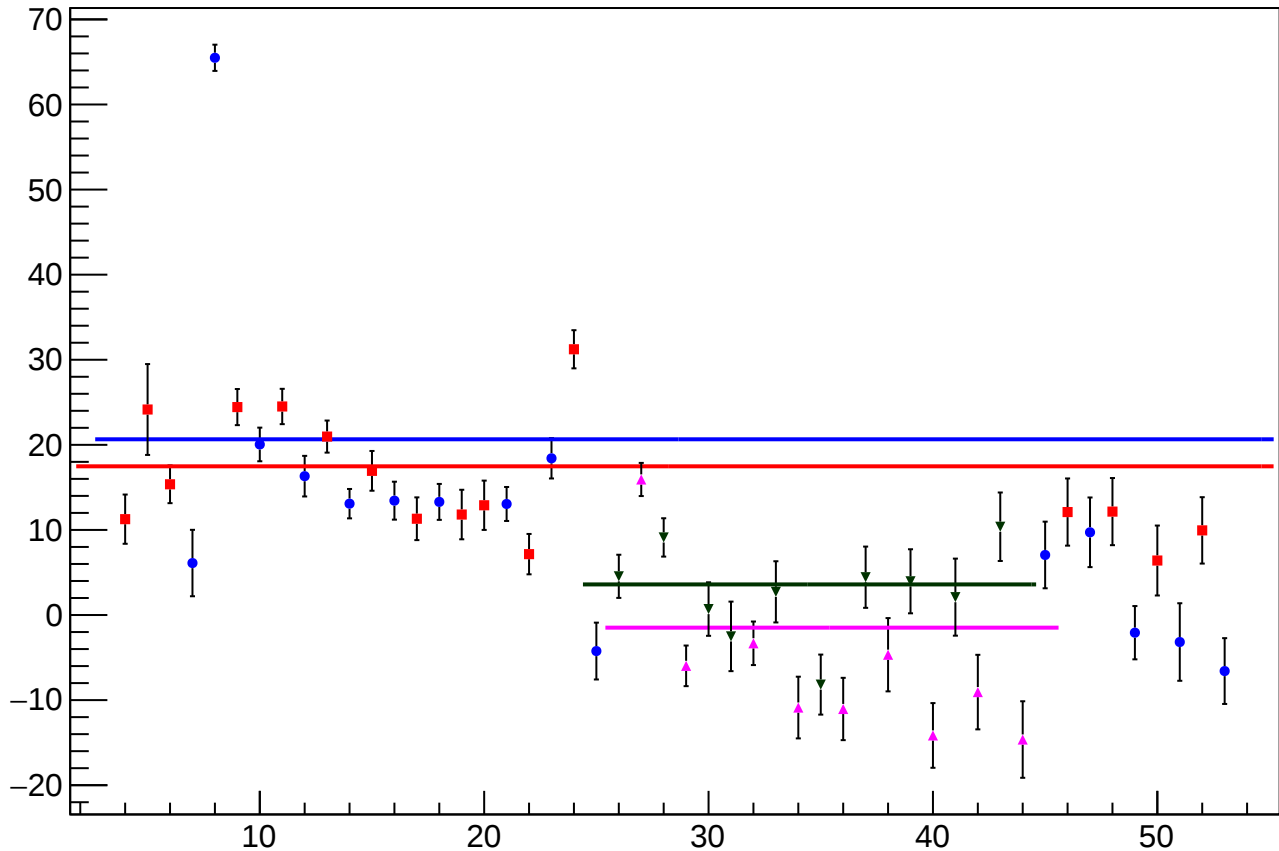
Right Out: 5683.330 ± 1.386 χ^2/NDF : 60218.9/15

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

5818.757 ± 1.072 χ^2/NDF : 152548.4/24

5803.998 ± 1.098 χ^2/NDF : 178864.7/24

diff_bpm0l05Y_mean vs slug



Right In: 20.652 ± 0.628 χ^2/NDF : 1124.8/14

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

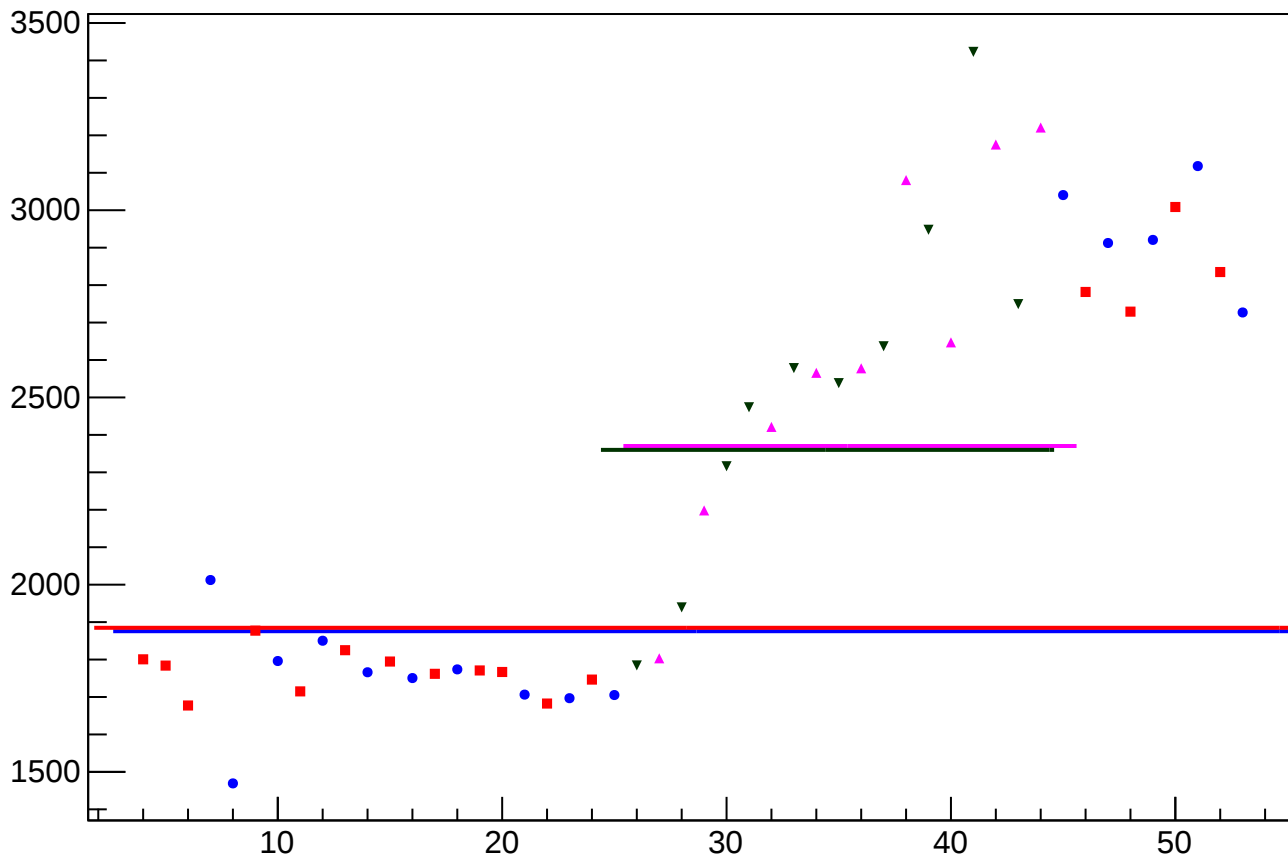
Right Out: 17.476 ± 0.659 χ^2/NDF : 116.3/15

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

16.082 ± 0.537 χ^2/NDF : 1346.1/24

11.867 ± 0.553 χ^2/NDF : 481.8/24

diff_bpm0l05Y_rms vs slug



Right In: 1875.710+/-0.444 χ^2/NDF : 968584.8/14

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

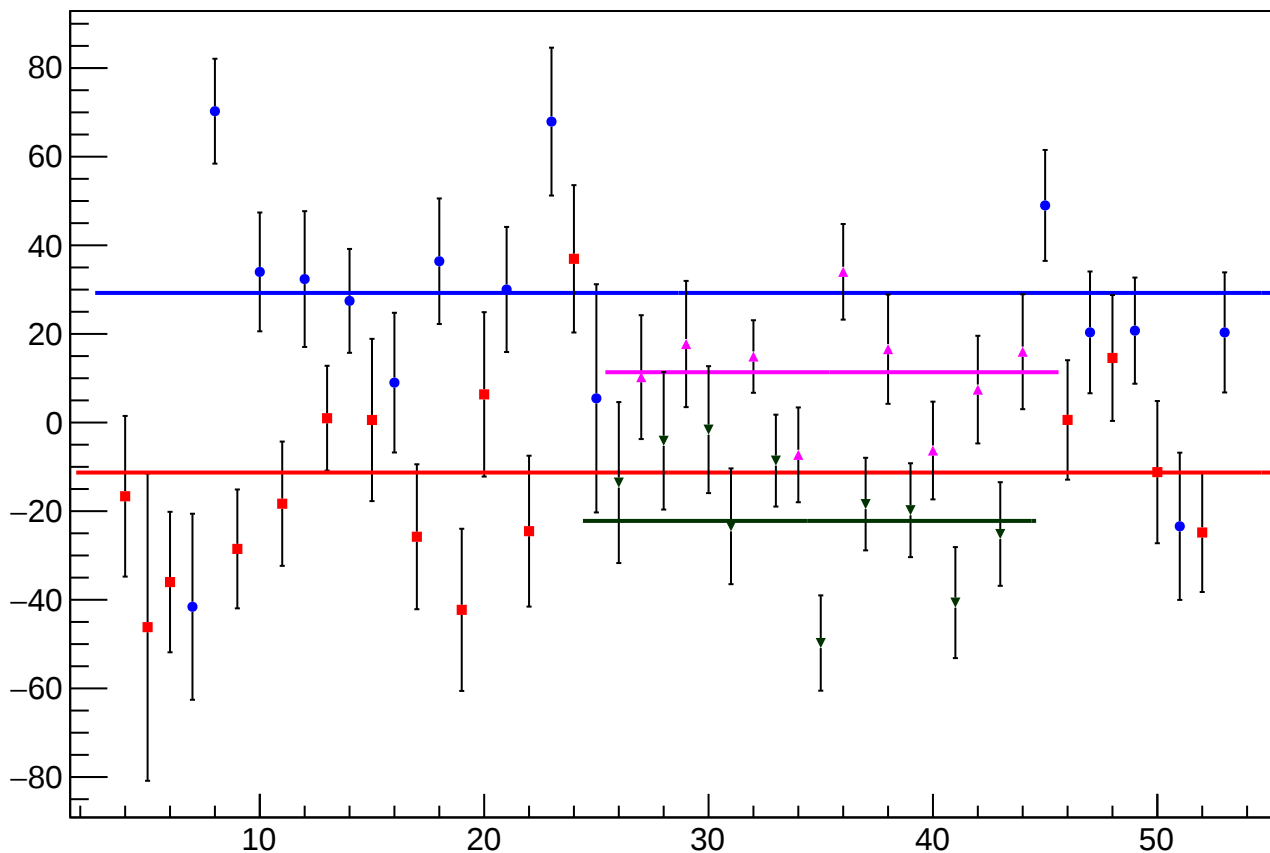
Right Out: 1884.843+/-0.466 χ^2/NDF : 534617.0/15

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

2005.484+/-0.380 χ^2/NDF : 1664361.5/24

2028.460+/-0.391 χ^2/NDF : 1252566.0/24

diff_bpm0l06X_mean vs slug



Right In: 29.255 ± 3.692 $\chi^2/\text{NDF}: 45.6/14$

Left Out: -22.199 ± 3.845 $\chi^2/\text{NDF}: 14.4/9$

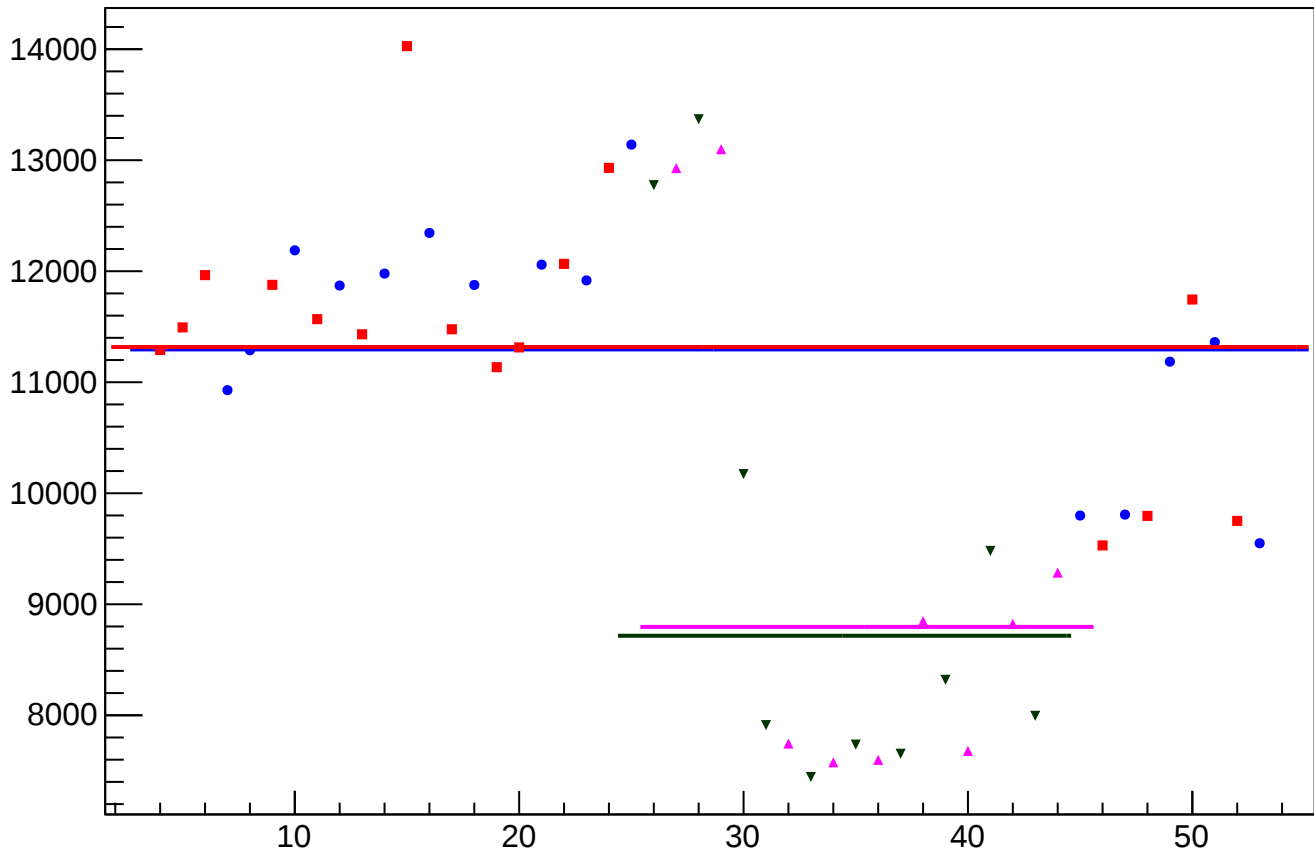
Right Out: -11.282 ± 3.916 $\chi^2/\text{NDF}: 25.6/15$

Left In: 11.359 ± 3.785 $\chi^2/\text{NDF}: 10.8/8$

4.572 ± 2.663 $\chi^2/\text{NDF}: 153.1/24$

0.424 ± 2.721 $\chi^2/\text{NDF}: 53.7/24$

diff_bpm0l06X_rms vs slug



Right In: 11295.620 $\pm$ 2.611 χ^2 /NDF: 135613.2/14

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

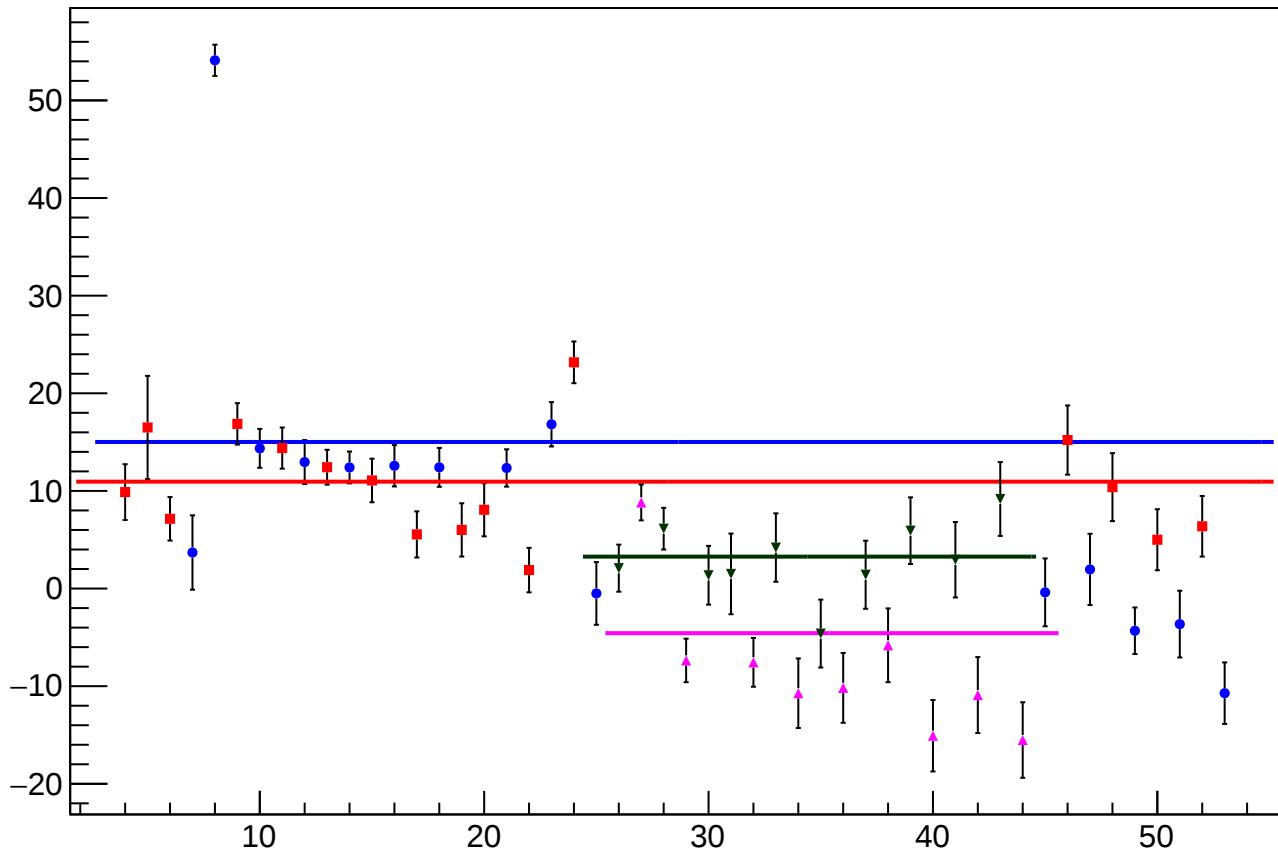
10058.400 $\pm$ 1.883 χ^2 /NDF: 996855.3/24

Right Out: 11317.208 $\pm$ 2.769 χ^2 /NDF: 161369.0/15

10013.723 $\pm$ 1.924 χ^2 /NDF: 1054280.1/24

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

diff_bpm0l06Y_mean vs slug



Right In: 15.014 $\pm$ 0.593 χ^2 /NDF: 832.7/14

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

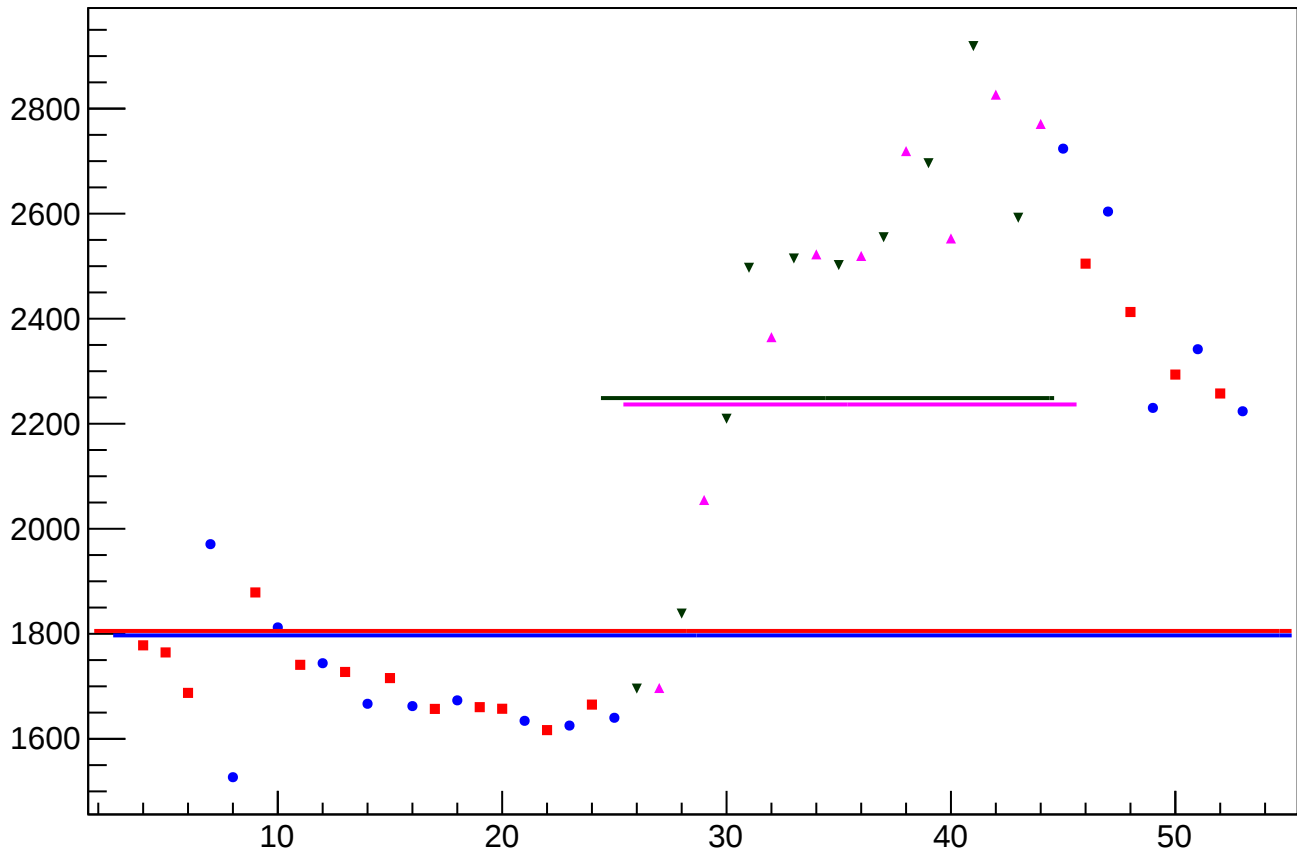
Right Out: 10.949 $\pm$ 0.626 χ^2 /NDF: 80.7/15

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

11.893 $\pm$ 0.508 χ^2 /NDF: 948.2/24

6.293 $\pm$ 0.524 χ^2 /NDF: 345.8/24

diff_bpm0l06Y_rms vs slug



Right In: 1797.008+/-0.419 χ^2/NDF : 515329.3/14

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

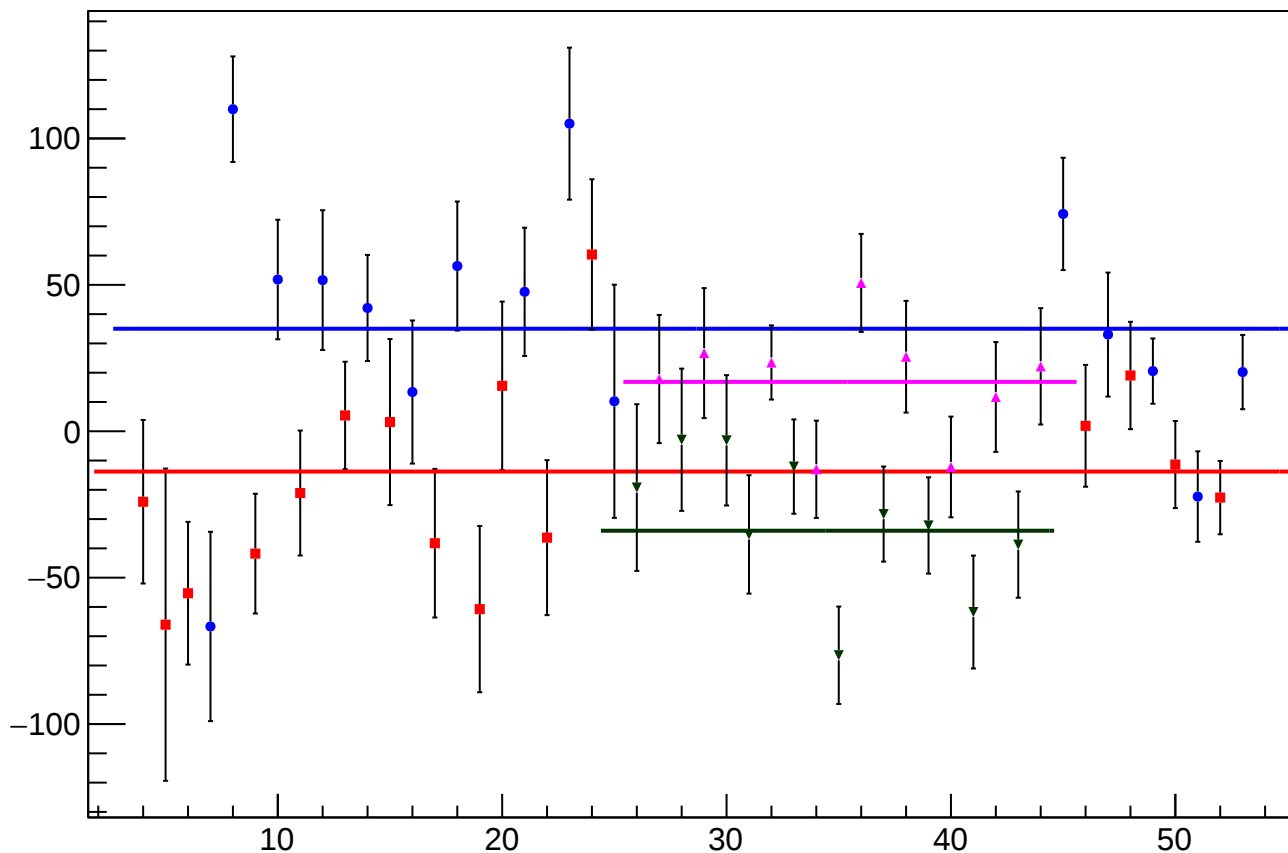
Right Out: 1805.474+/-0.443 χ^2/NDF : 288922.6/15

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

1917.063+/-0.359 χ^2/NDF : 1159301.3/24

1934.860+/-0.370 χ^2/NDF : 922567.2/24

diff_bpm0l07X_mean vs slug



Right In: 35.017 ± 4.846 $\chi^2/\text{NDF}: 59.2/14$

Left Out: -33.973 ± 5.967 $\chi^2/\text{NDF}: 14.5/9$

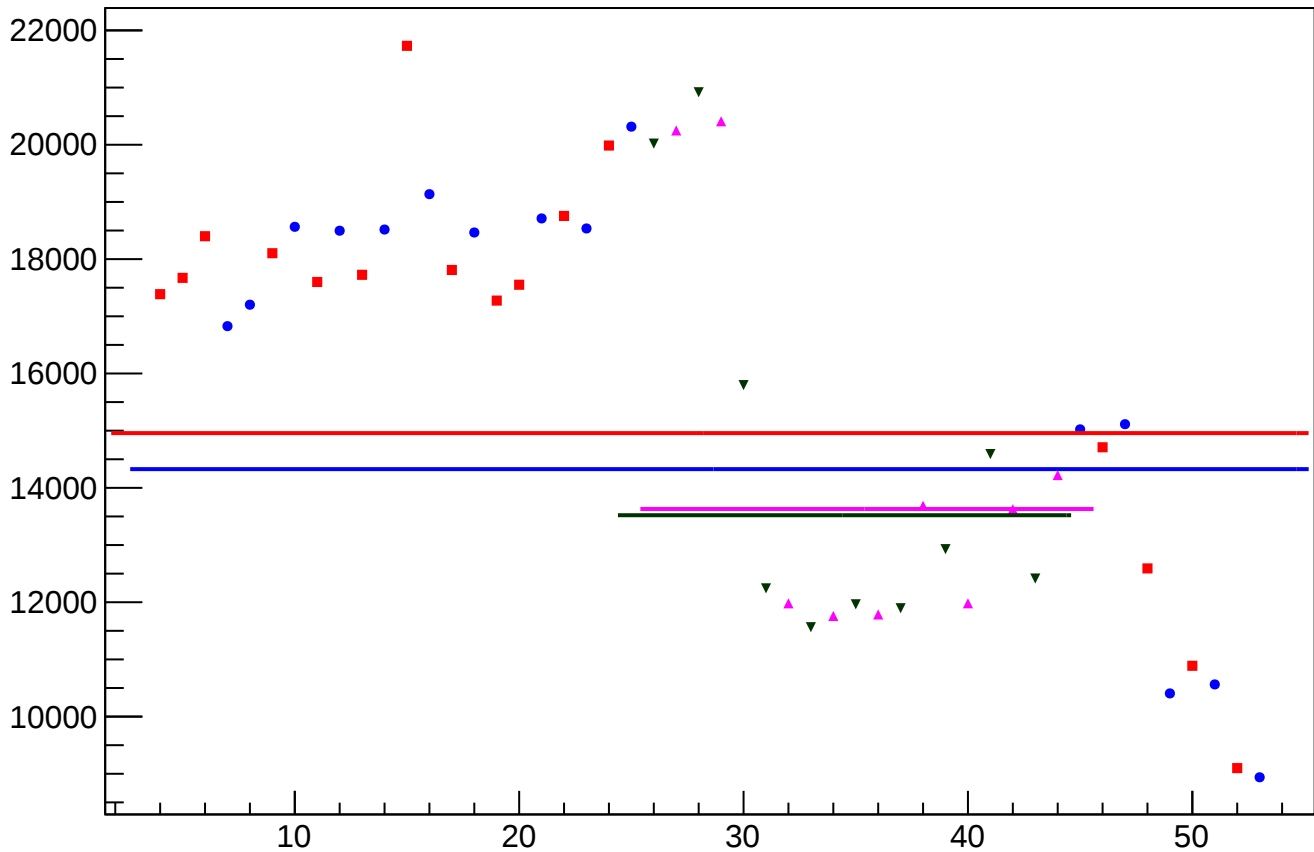
Right Out: -13.756 ± 5.327 $\chi^2/\text{NDF}: 25.5/15$

Left In: 16.860 ± 5.867 $\chi^2/\text{NDF}: 11.0/8$

7.597 ± 3.762 $\chi^2/\text{NDF}: 154.3/24$

0.079 ± 3.944 $\chi^2/\text{NDF}: 51.4/24$

diff_bpm0l07X_rms vs slug



Right In: 14327.544+/-3.427 χ^2/NDF : 1375748.2/14

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

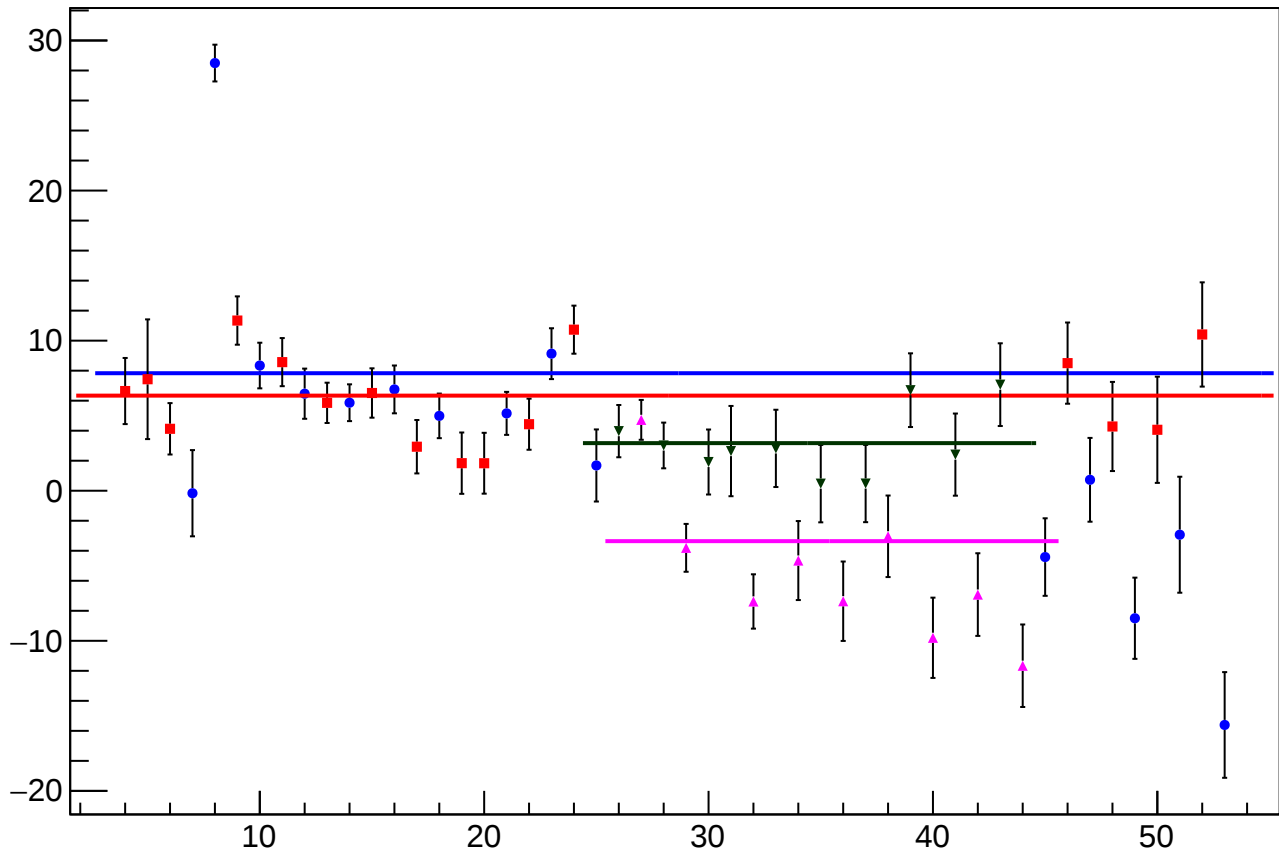
14007.214+/-2.660 χ^2/NDF : 1799782.4/24

Right Out: 14957.622+/-3.767 χ^2/NDF : 1090890.4/15

14357.851+/-2.789 χ^2/NDF : 1620212.3/24

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

diff_bpm0l07Y_mean vs slug



Right In: 7.830 ± 0.463 χ^2/NDF : 427.8/14

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

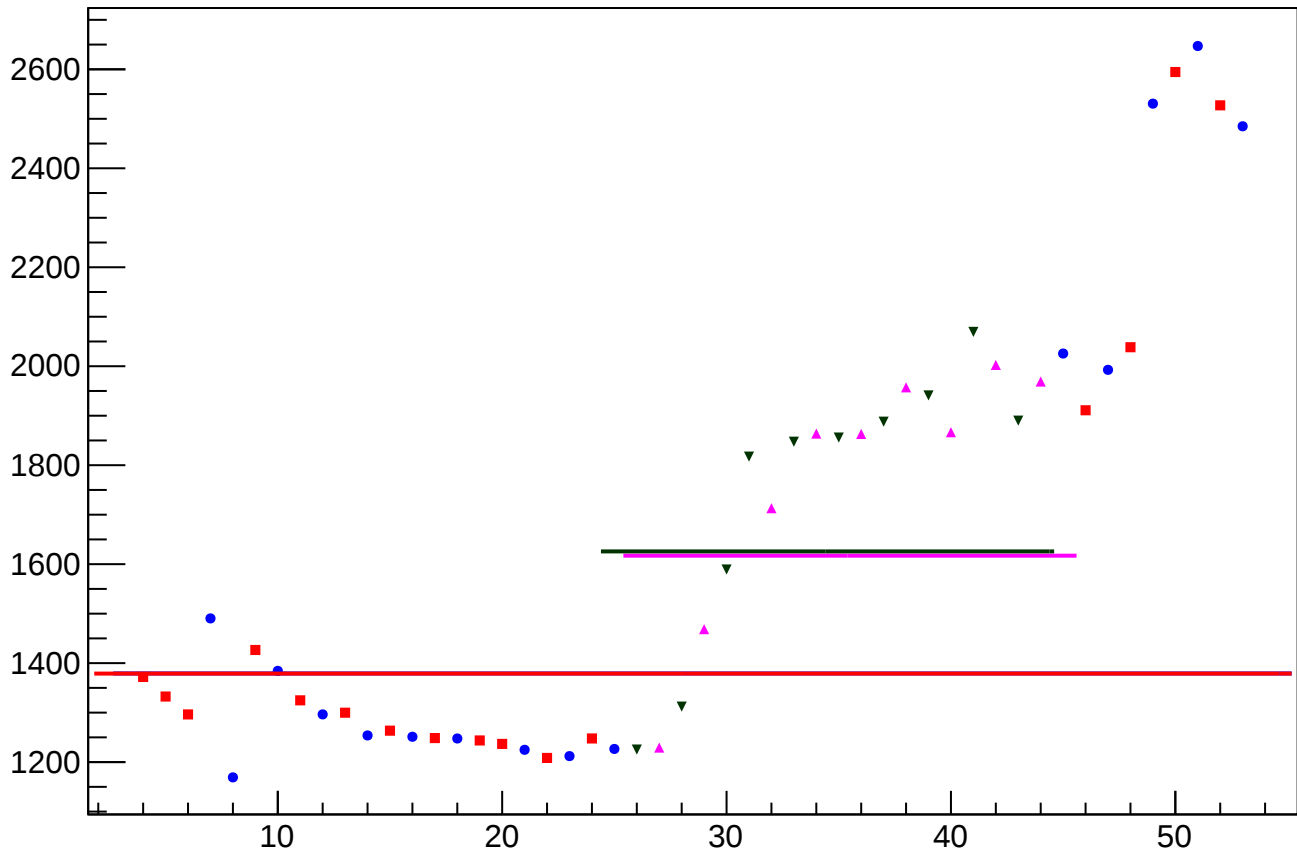
Right Out: 6.337 ± 0.485 χ^2/NDF : 38.6/15

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

6.448 ± 0.388 χ^2/NDF : 464.7/24

3.141 ± 0.397 χ^2/NDF : 231.8/24

diff_bpm0l07Y_rms vs slug



Right In: 1379.171+/-0.327 χ^2/NDF : 1163581.9/14

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

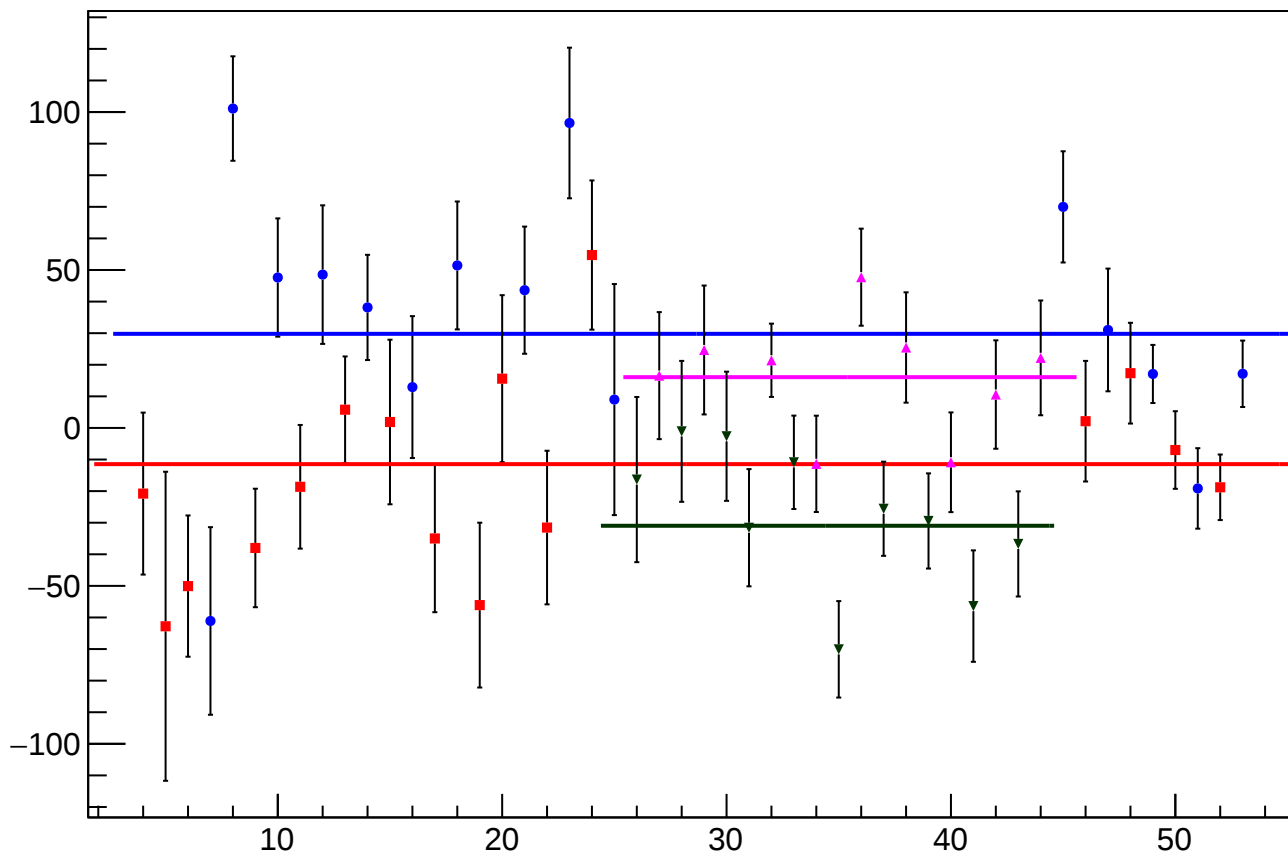
1452.364+/-0.275 χ^2/NDF : 1686541.8/24

Right Out: 1378.890+/-0.343 χ^2/NDF : 719054.0/15

1457.430+/-0.281 χ^2/NDF : 1227538.9/24

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

diff_bpm0l08X_mean vs slug



Right In: 29.793 ± 4.240 χ^2/NDF : 63.5/14

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

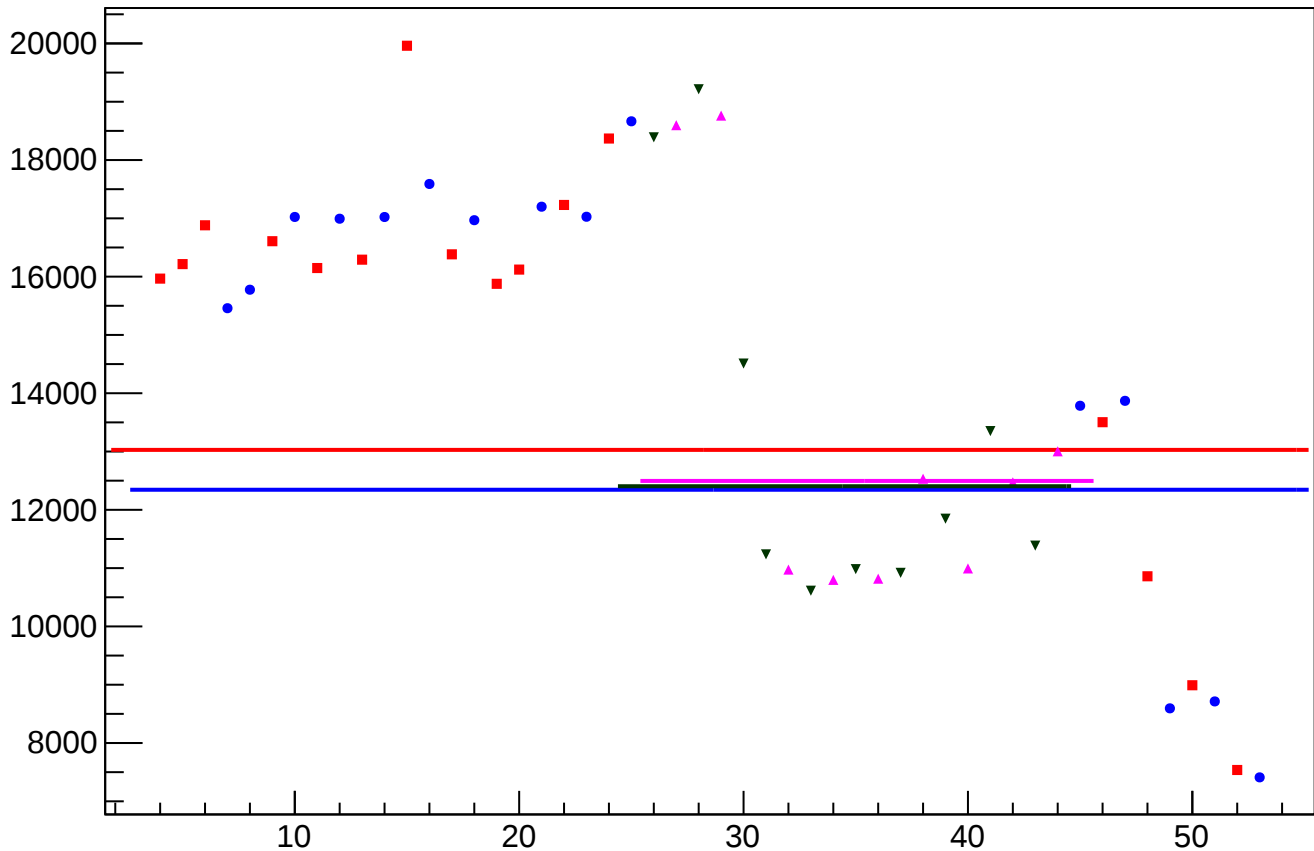
Right Out: -11.457 ± 4.704 χ^2/NDF : 25.6/15

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

7.008 ± 3.352 χ^2/NDF : 155.3/24

0.477 ± 3.541 χ^2/NDF : 51.7/24

diff_bpm0l08X_rms vs slug



Right In: 12344.362+/-2.998 χ^2/NDF : 1907661.4/14

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

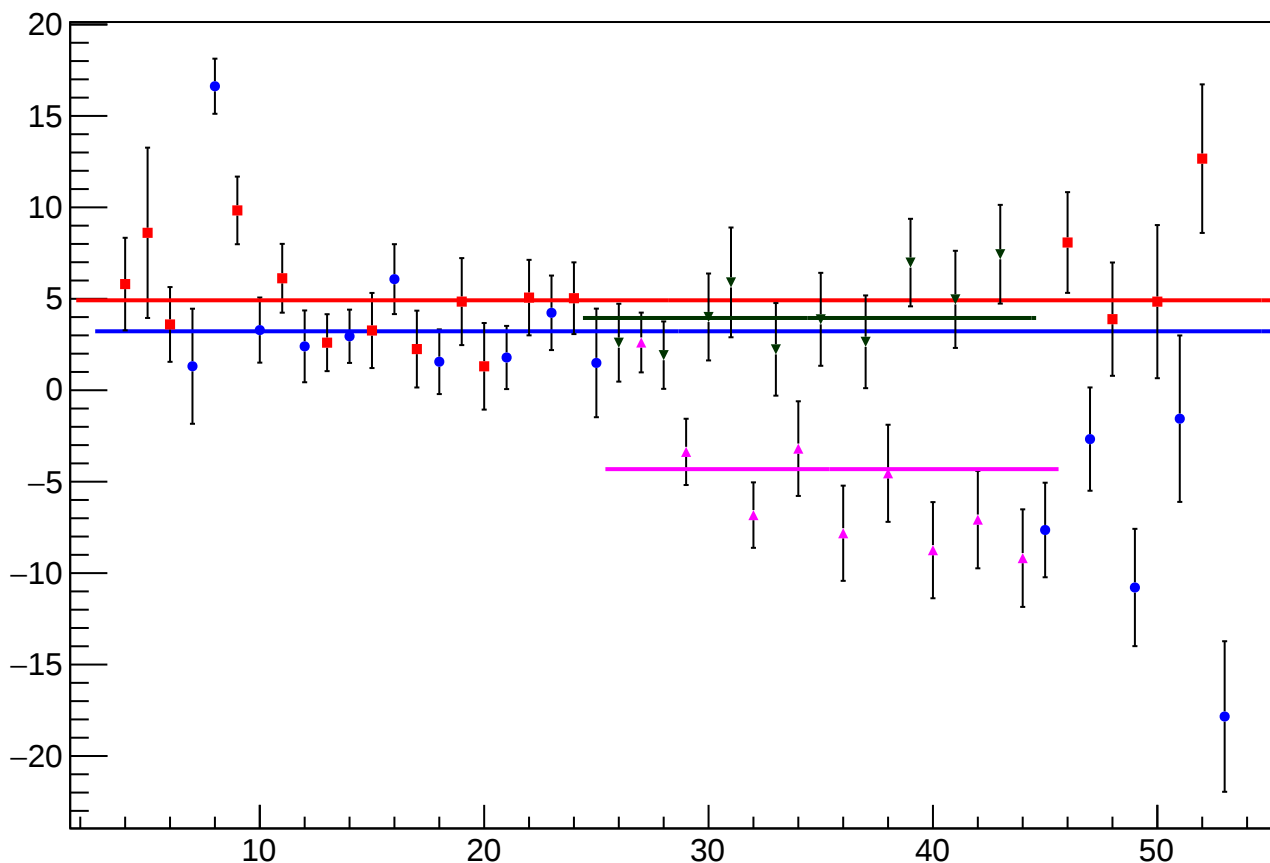
12366.970+/-2.371 χ^2/NDF : 2310683.1/24

Right Out: 13028.149+/-3.326 χ^2/NDF : 1502984.4/15

12797.416+/-2.504 χ^2/NDF : 1989596.5/24

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

diff_bpm0l08Y_mean vs slug



Right In: 3.224 ± 0.546 χ^2/NDF : 152.4/14

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

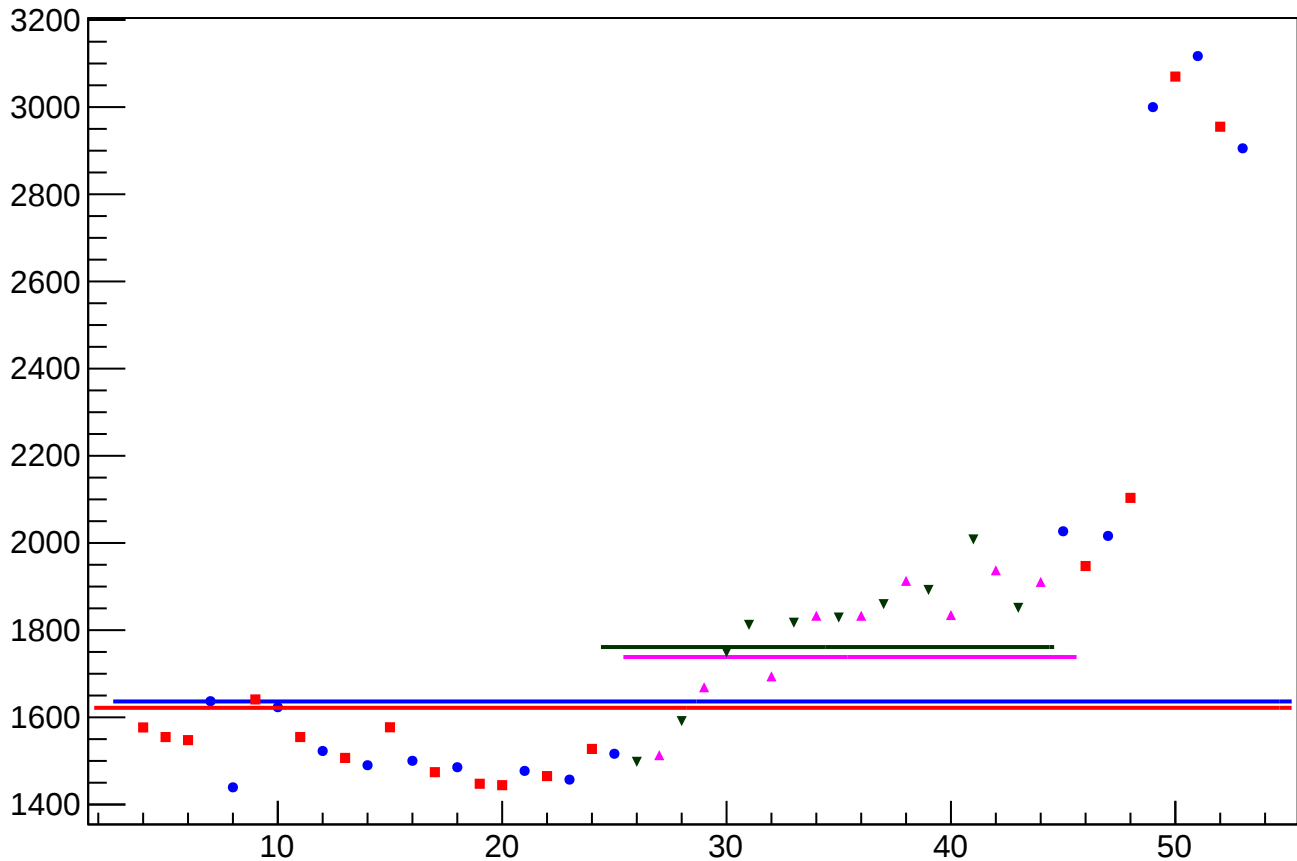
Right Out: 4.918 ± 0.568 χ^2/NDF : 20.5/15

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

3.471 ± 0.444 χ^2/NDF : 159.2/24

1.458 ± 0.449 χ^2/NDF : 148.9/24

diff_bpm0l08Y_rms vs slug



Right In: 1636.428+/-0.386 χ^2/NDF : 966753.1/14

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

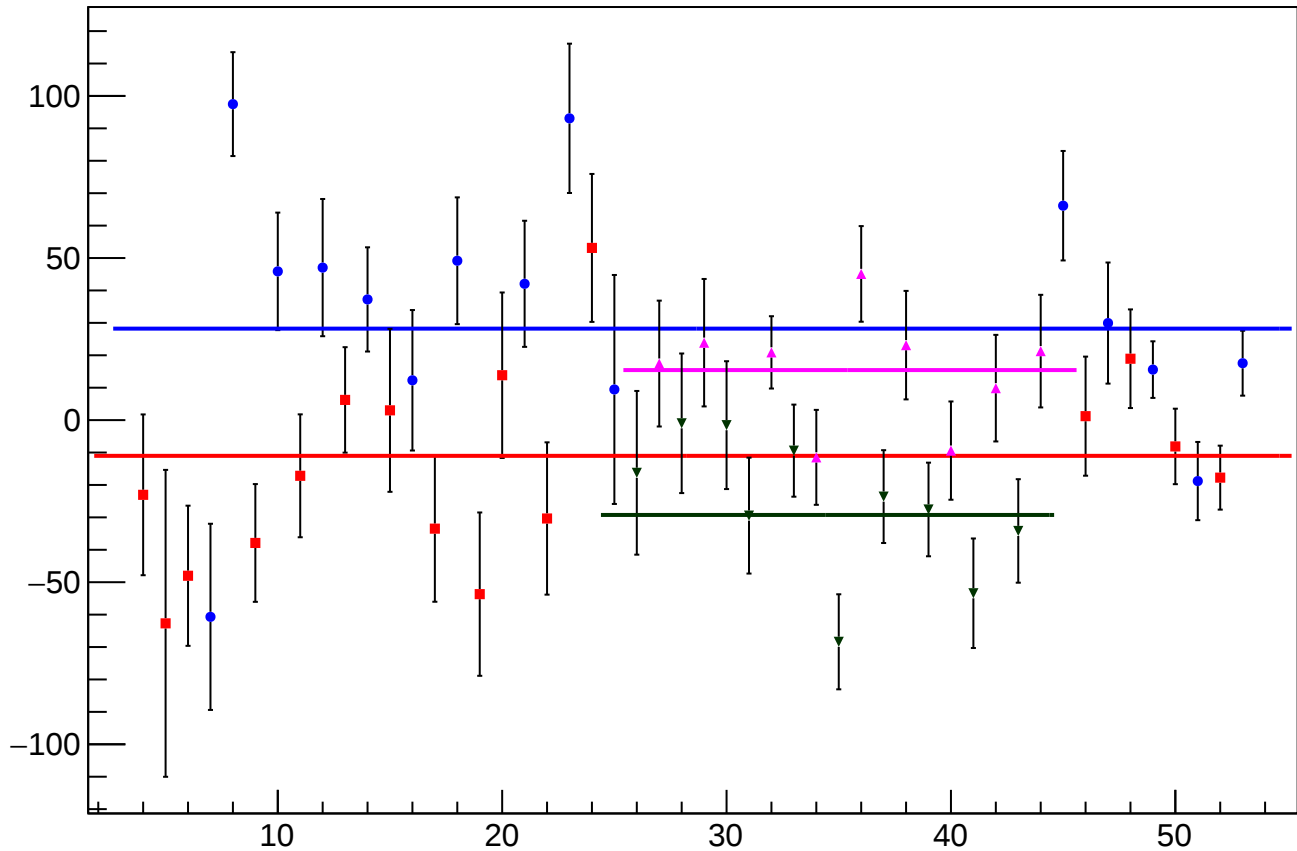
1678.833+/-0.314 χ^2/NDF : 1081359.7/24

Right Out: 1621.841+/-0.402 χ^2/NDF : 597190.2/15

1665.502+/-0.318 χ^2/NDF : 707024.0/24

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

diff_bpm0l09X_mean vs slug



Right In: 28.222 $\pm$ 4.060 χ^2 /NDF: 64.2/14

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

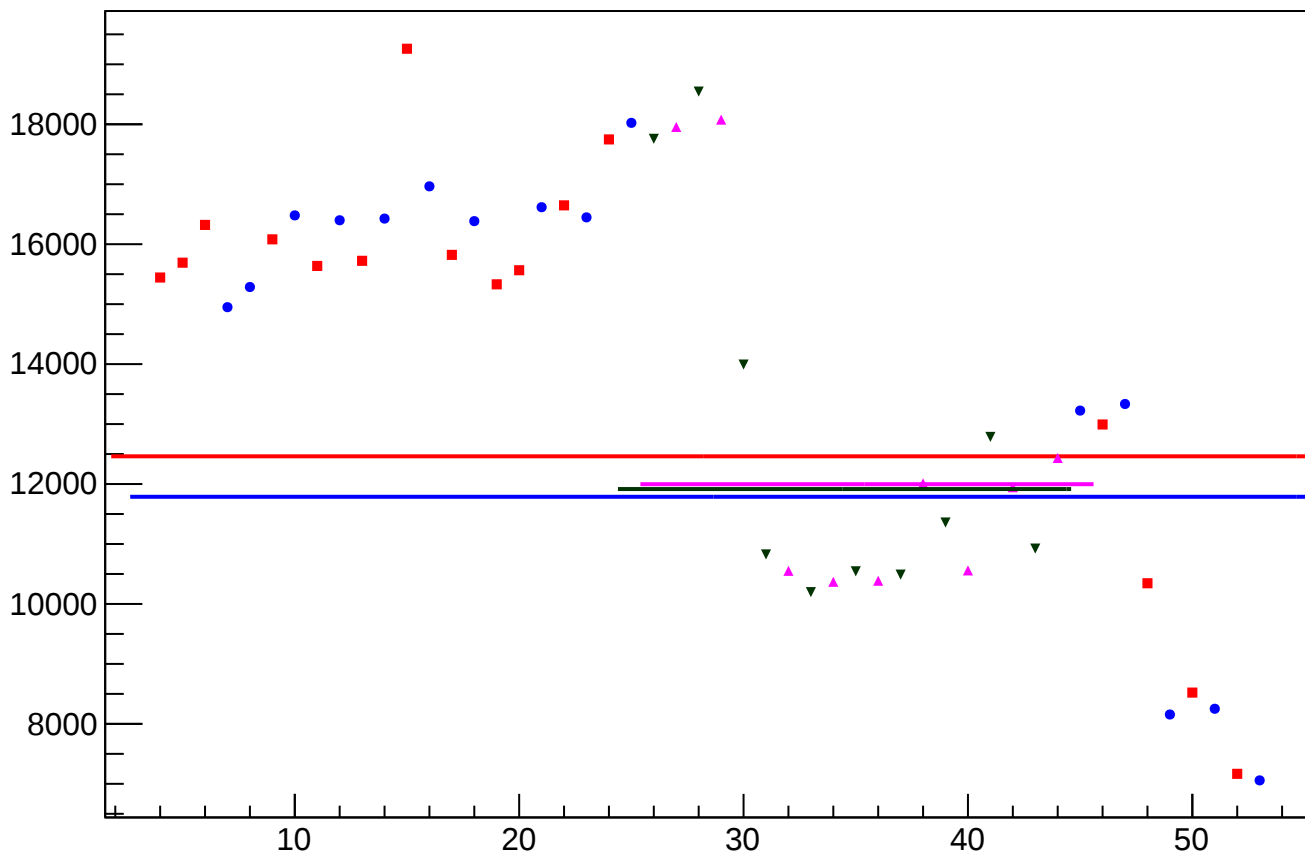
Right Out: -11.020 $\pm$ 4.511 χ^2 /NDF: 26.3/15

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

6.766 $\pm$ 3.214 χ^2 /NDF: 154.4/24

0.427 $\pm$ 3.398 χ^2 /NDF: 52.2/24

diff_bpm0l09X_rms vs slug



Right In: 11787.318+/-2.871 χ^2 /NDF: 1999701.1/14

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

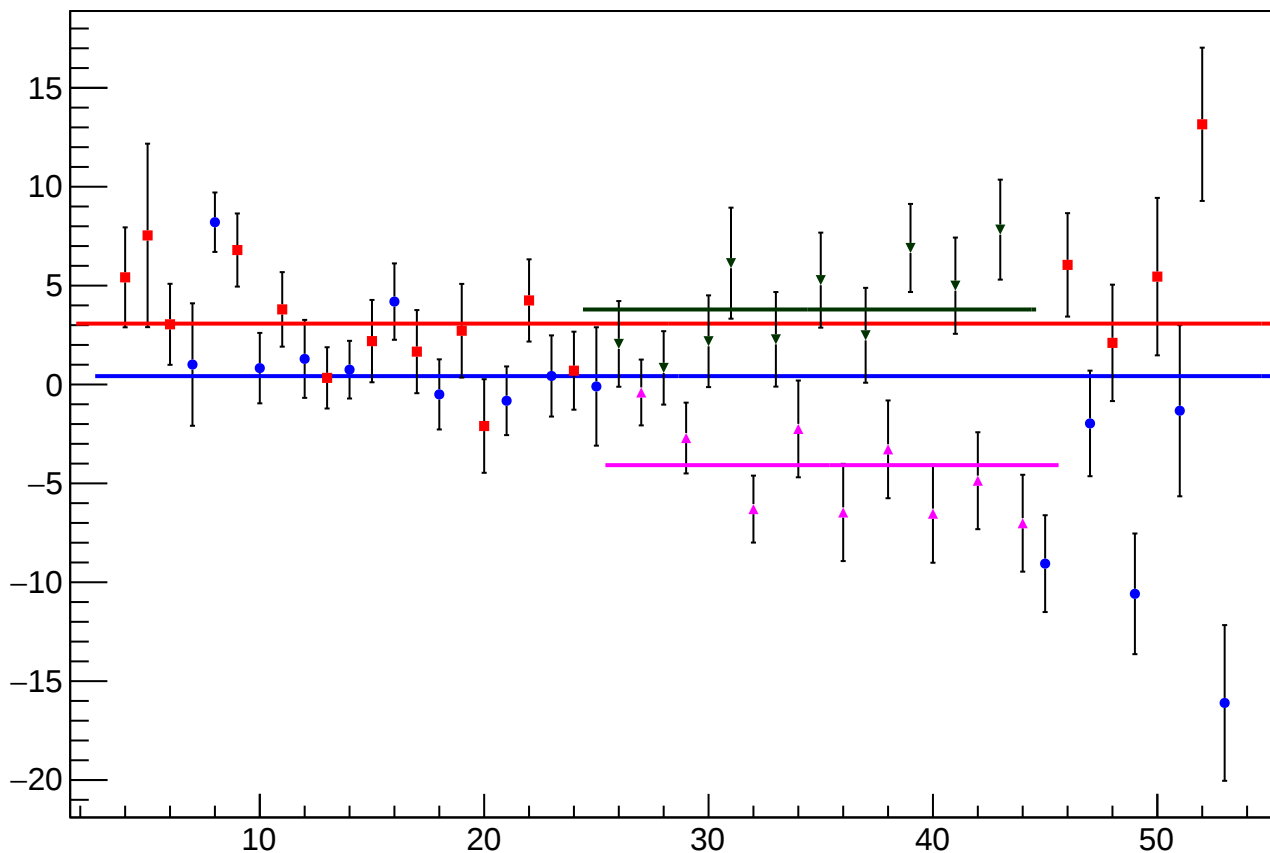
Right Out: 12462.348+/-3.190 χ^2 /NDF: 1580475.9/15

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

11835.448+/-2.273 χ^2 /NDF: 2409420.2/24

12261.077+/-2.403 χ^2 /NDF: 2070806.5/24

diff_bpm0l09Y_mean vs slug



Right In: 0.423 ± 0.543 χ^2/NDF : 78.4/14

Left Out: 3.793 ± 0.732 χ^2/NDF : 10.2/9

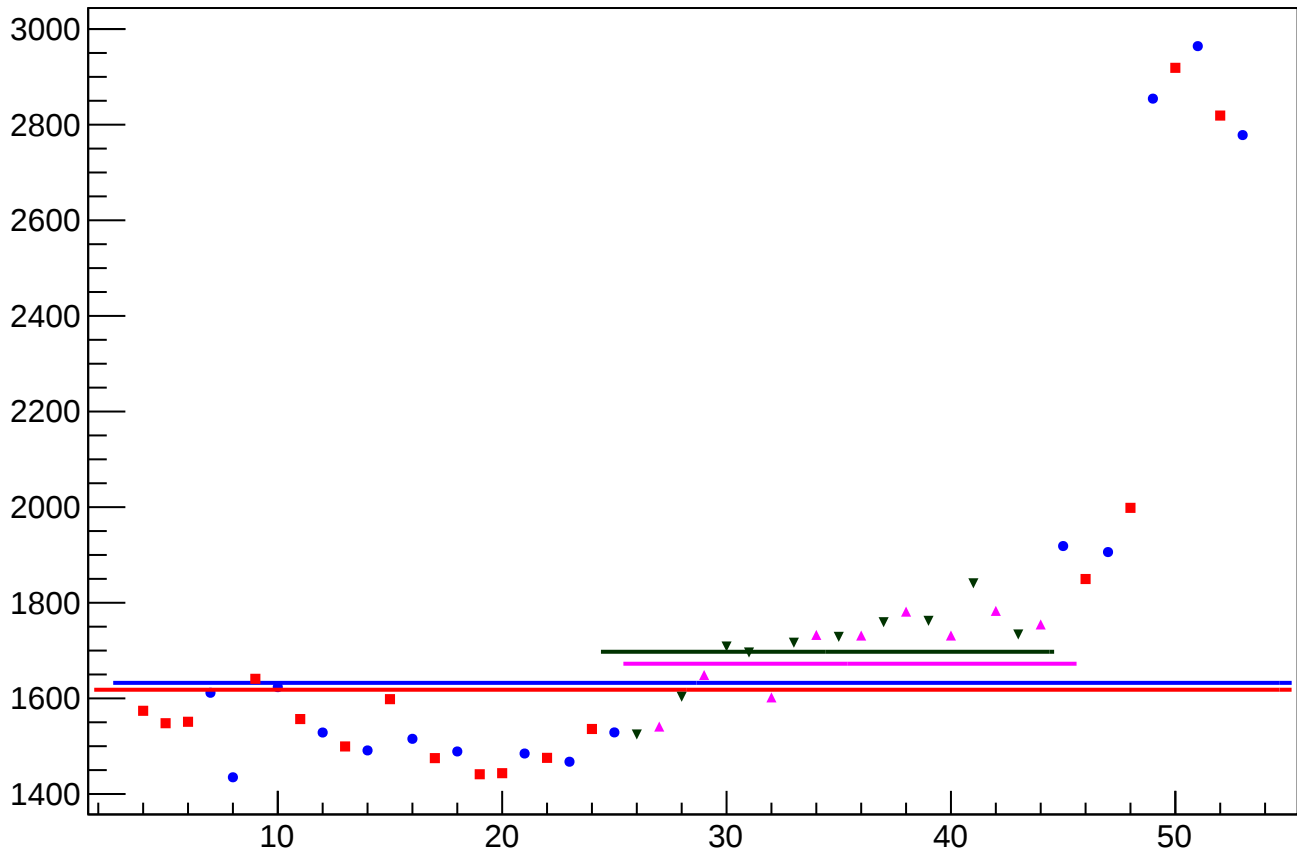
Right Out: 3.079 ± 0.566 χ^2/NDF : 24.9/15

Left In: -4.078 ± 0.705 χ^2/NDF : 11.3/8

1.619 ± 0.436 χ^2/NDF : 102.2/24

0.275 ± 0.441 χ^2/NDF : 98.9/24

diff_bpm0l09Y_rms vs slug



Right In: 1632.475+/-0.384 χ^2/NDF : 837458.2/14

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

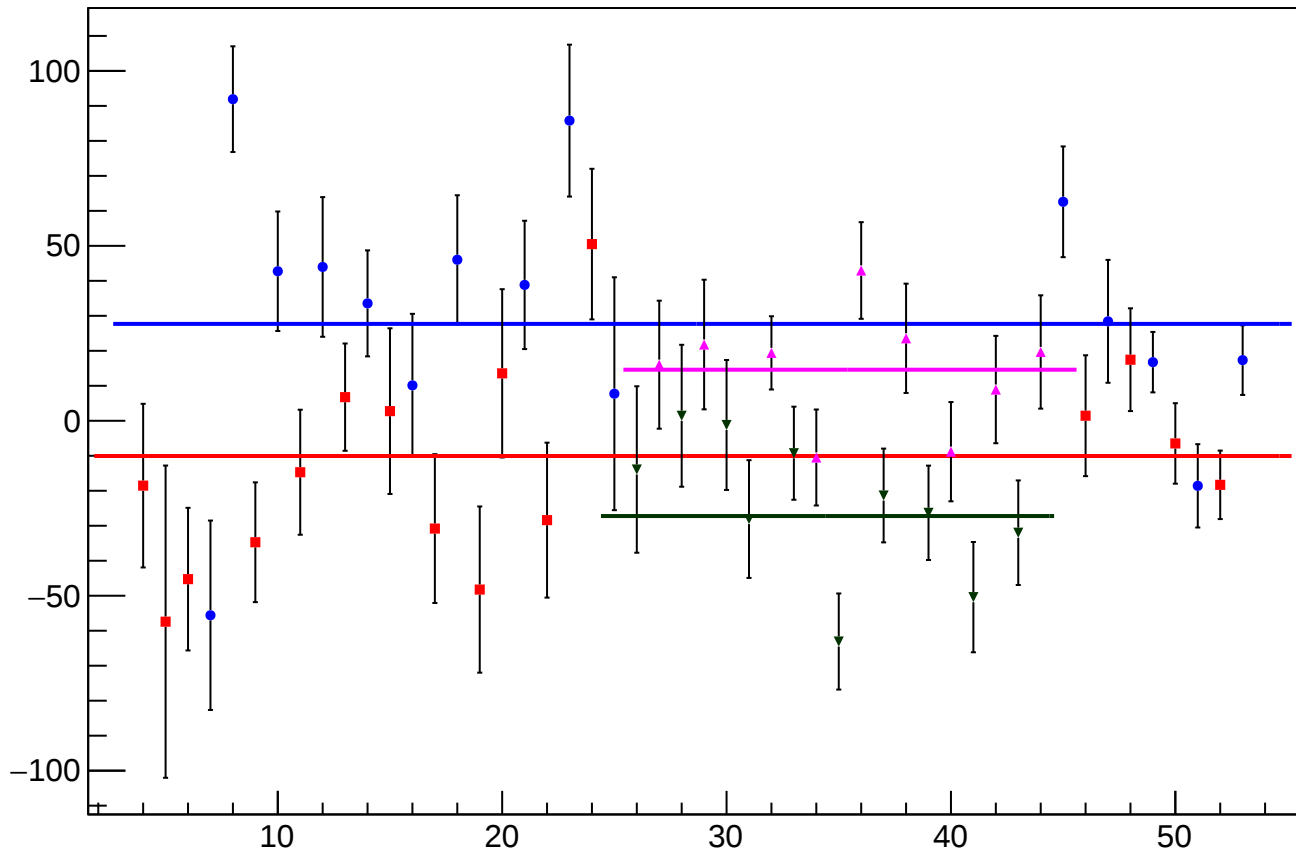
1655.555+/-0.308 χ^2/NDF : 876384.8/24

Right Out: 1618.081+/-0.400 χ^2/NDF : 516479.3/15

1639.398+/-0.312 χ^2/NDF : 553720.5/24

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

diff_bpm0l10X_mean vs slug



Right In: 27.696 ± 3.917 χ^2/NDF : 61.4/14

Left Out: -27.224 ± 4.929 χ^2/NDF : 15.4/9

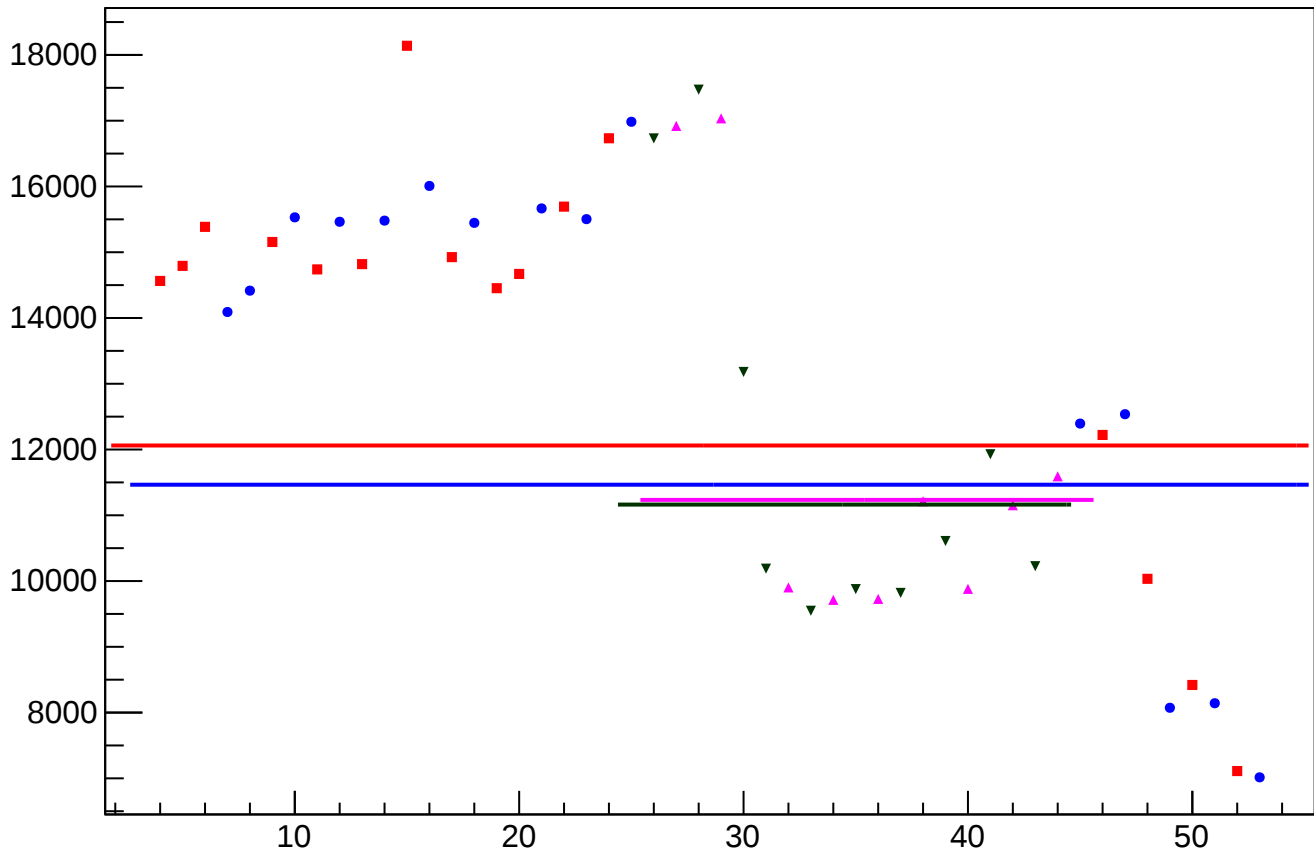
Right Out: -10.068 ± 4.335 χ^2/NDF : 25.7/15

Left In: 14.599 ± 4.839 χ^2/NDF : 11.2/8

6.437 ± 3.067 χ^2/NDF : 152.9/24

0.915 ± 3.229 χ^2/NDF : 51.4/24

diff_bpm0l10X_rms vs slug



Right In: 11464.982+/-2.770 χ^2/NDF : 1728769.2/14

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

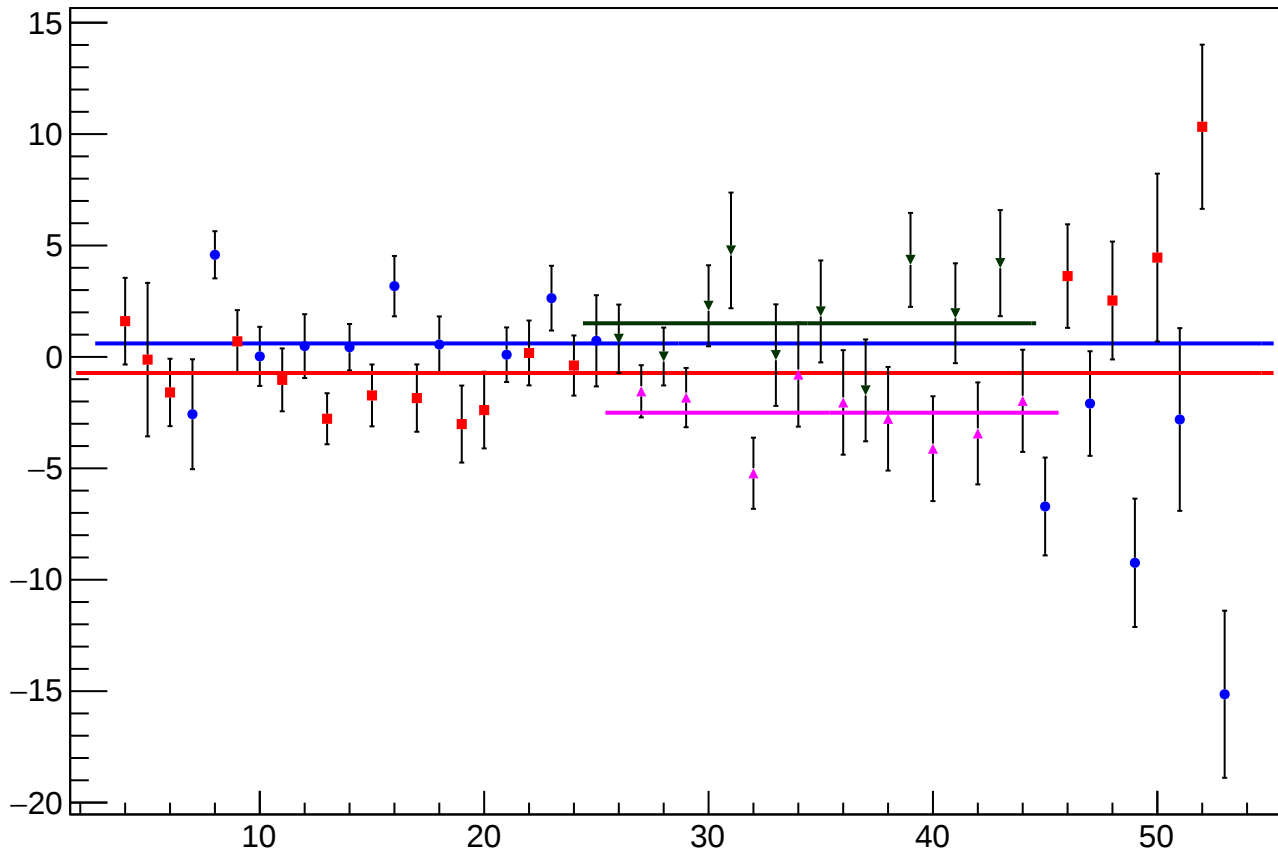
11348.004+/-2.169 χ^2/NDF : 2149754.8/24

Right Out: 12061.283+/-3.065 χ^2/NDF : 1368942.5/15

11692.958+/-2.283 χ^2/NDF : 1890633.7/24

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

diff_bpm0l10Y_mean vs slug



Right In: 0.604 ± 0.401 $\chi^2/\text{NDF}: 64.2/14$

0.874 ± 0.336 $\chi^2/\text{NDF}: 74.3/24$

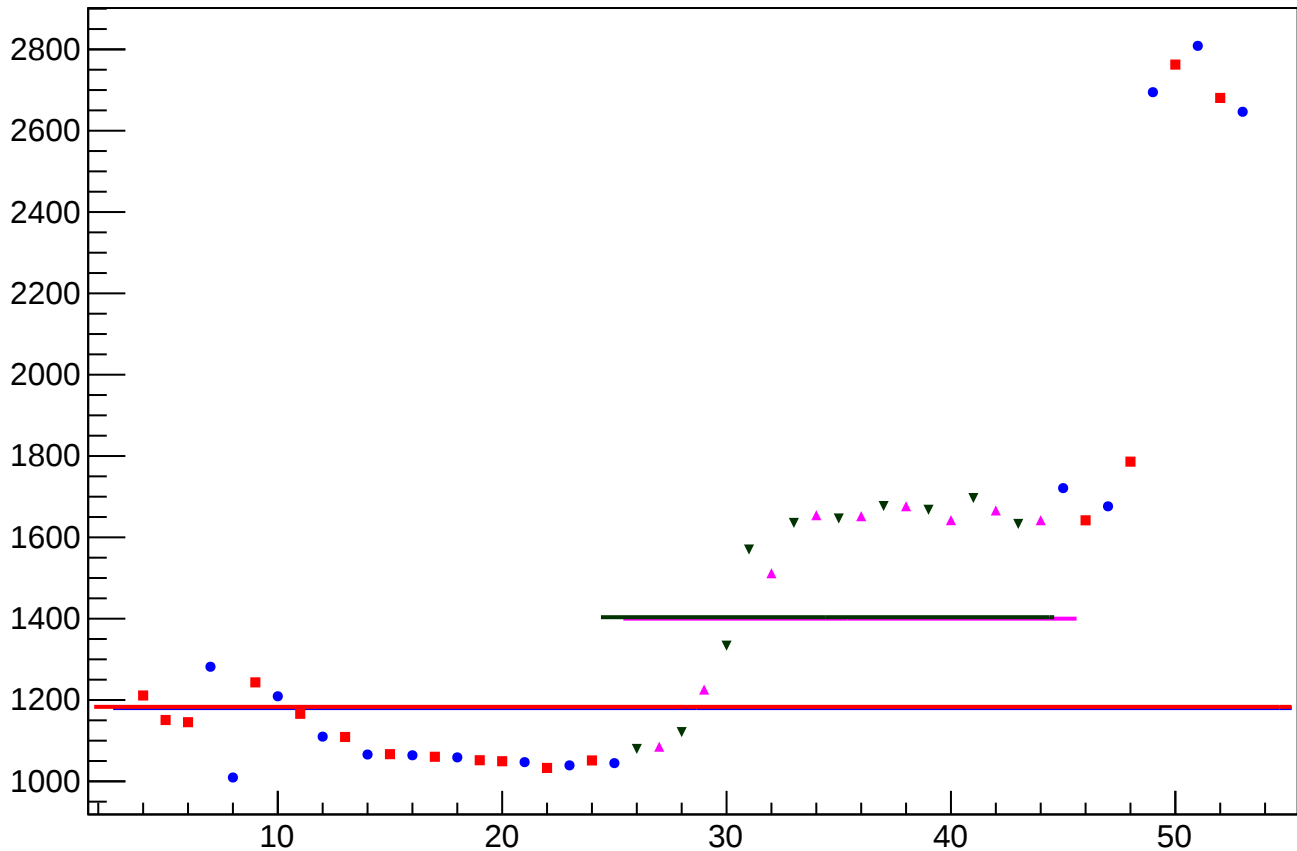
Left Out: 1.510 ± 0.615 $\chi^2/\text{NDF}: 8.6/9$

Right Out: -0.721 ± 0.419 $\chi^2/\text{NDF}: 26.2/15$

-1.309 ± 0.343 $\chi^2/\text{NDF}: 37.3/24$

Left In: -2.504 ± 0.598 $\chi^2/\text{NDF}: 5.1/8$

diff_bpm0l10Y_rms vs slug



Right In: 1180.148 $\pm$ 0.283 χ^2 /NDF: 1554824.0/14

Left Out: 1403.619 $\pm$ 0.435 χ^2 /NDF: 351032.7/9

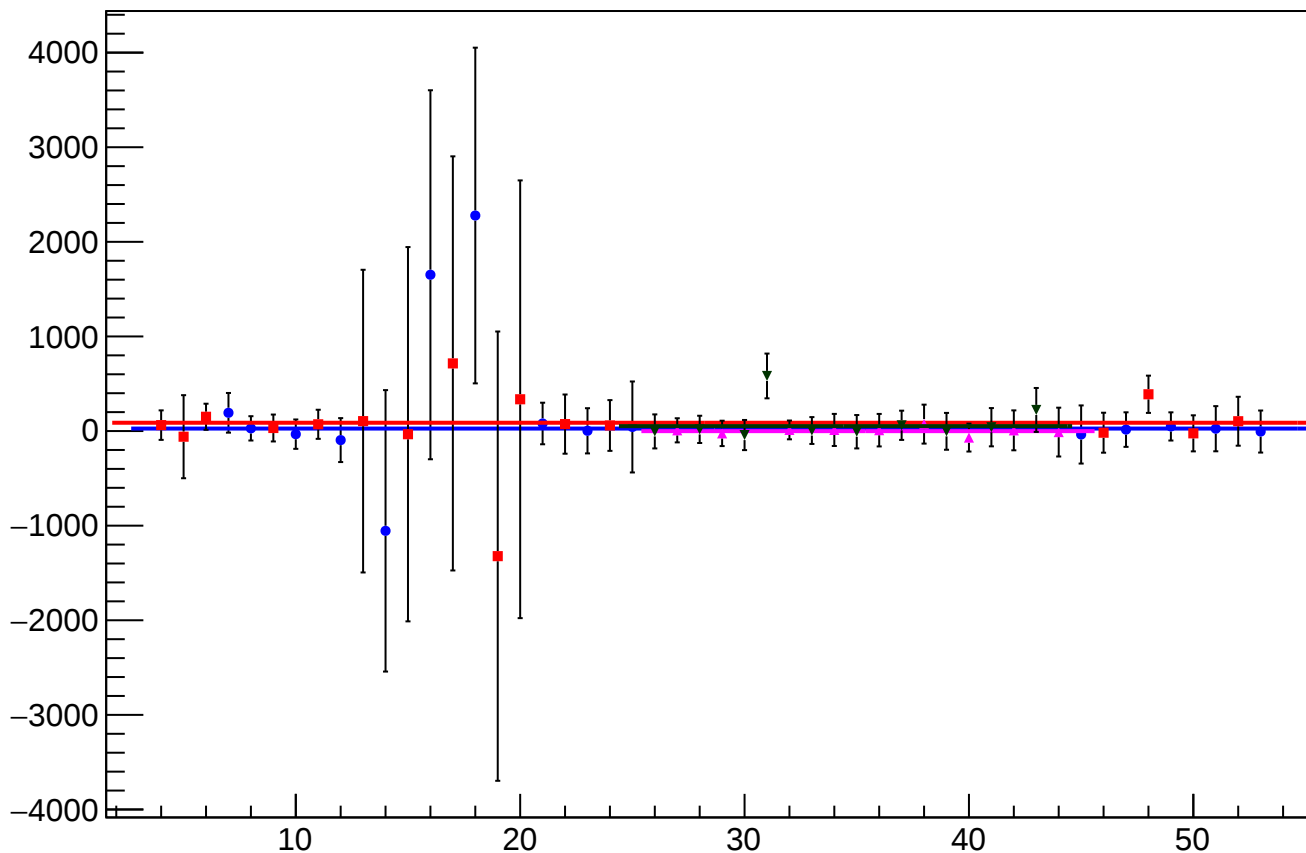
1246.738 $\pm$ 0.237 χ^2 /NDF: 2091239.4/24

Right Out: 1183.159 $\pm$ 0.297 χ^2 /NDF: 969322.5/15

1254.702 $\pm$ 0.243 χ^2 /NDF: 1479890.9/24

Left In: 1400.046 $\pm$ 0.423 χ^2 /NDF: 334198.8/8

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs slug



Right In: 26.256+/-56.755 χ^2/NDF : 4.0/14

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

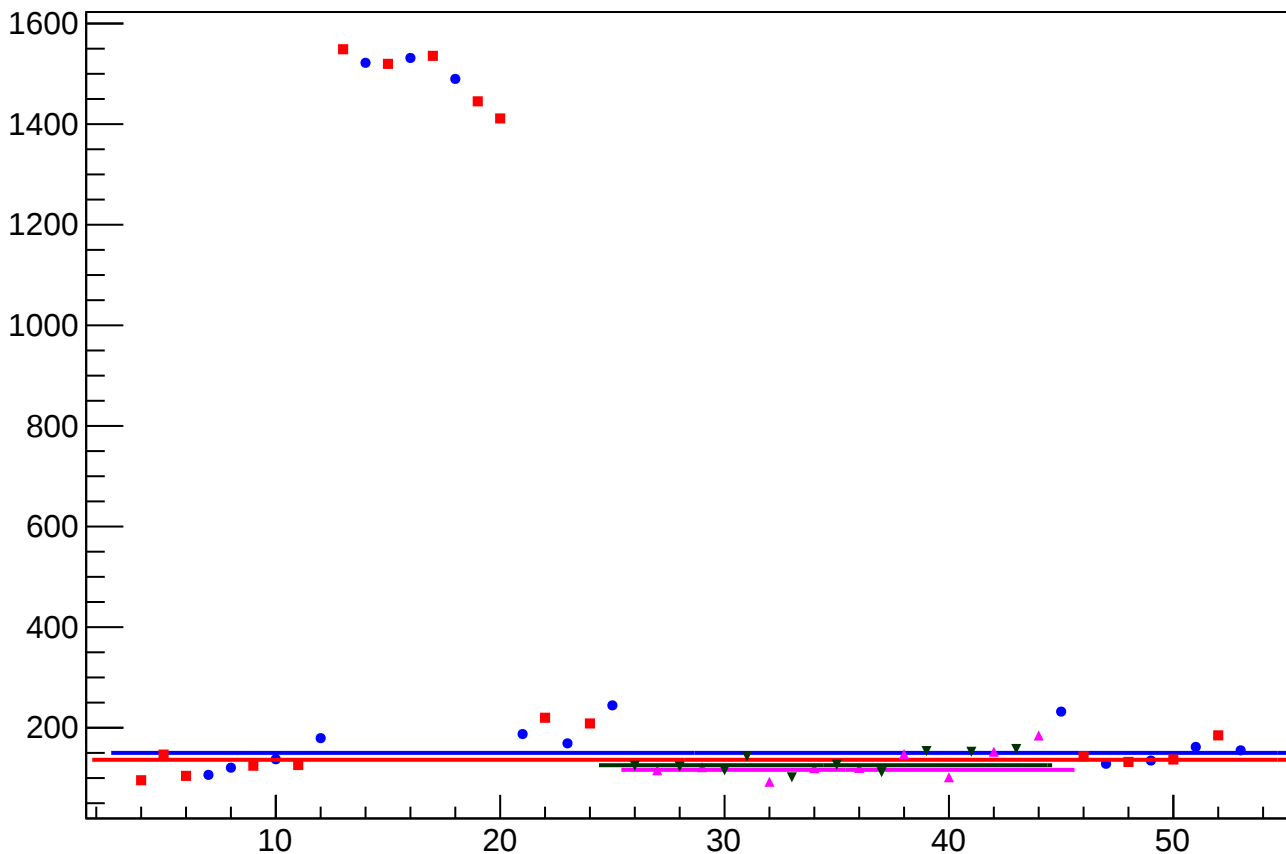
Right Out: 87.755+/-57.110 χ^2/NDF : 3.9/15

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

39.503+/-39.531 χ^2/NDF : 10.5/24

37.808+/-37.774 χ^2/NDF : 5.7/24

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs slug



Right In: 150.068+/-0.040 χ^2/NDF : 4428111.3/14

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

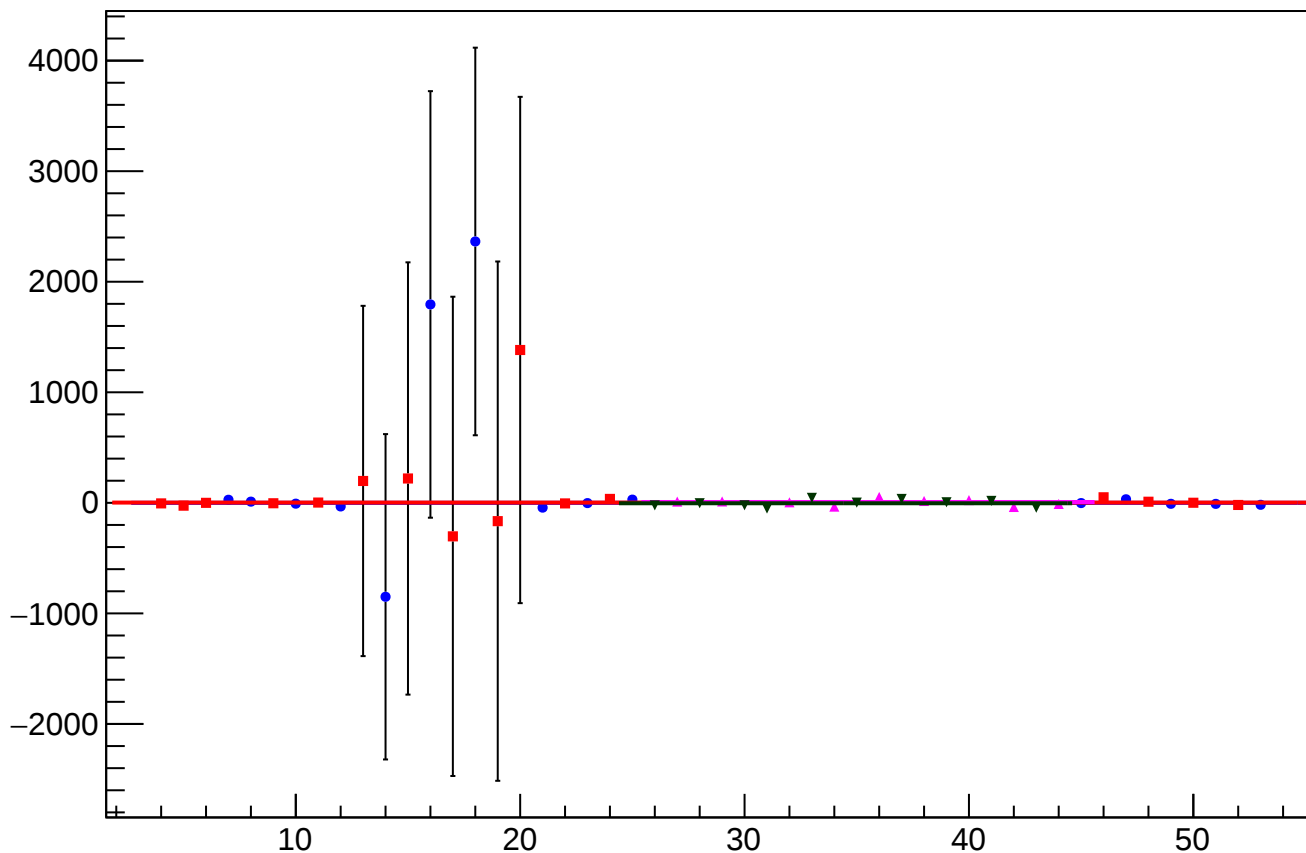
137.432+/-0.028 χ^2/NDF : 4829670.9/24

Right Out: 136.313+/-0.040 χ^2/NDF : 5199706.7/15

125.061+/-0.027 χ^2/NDF : 5721676.3/24

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

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs slug



Right In: -0.045+/-5.192 χ^2/NDF : 14.5/14

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

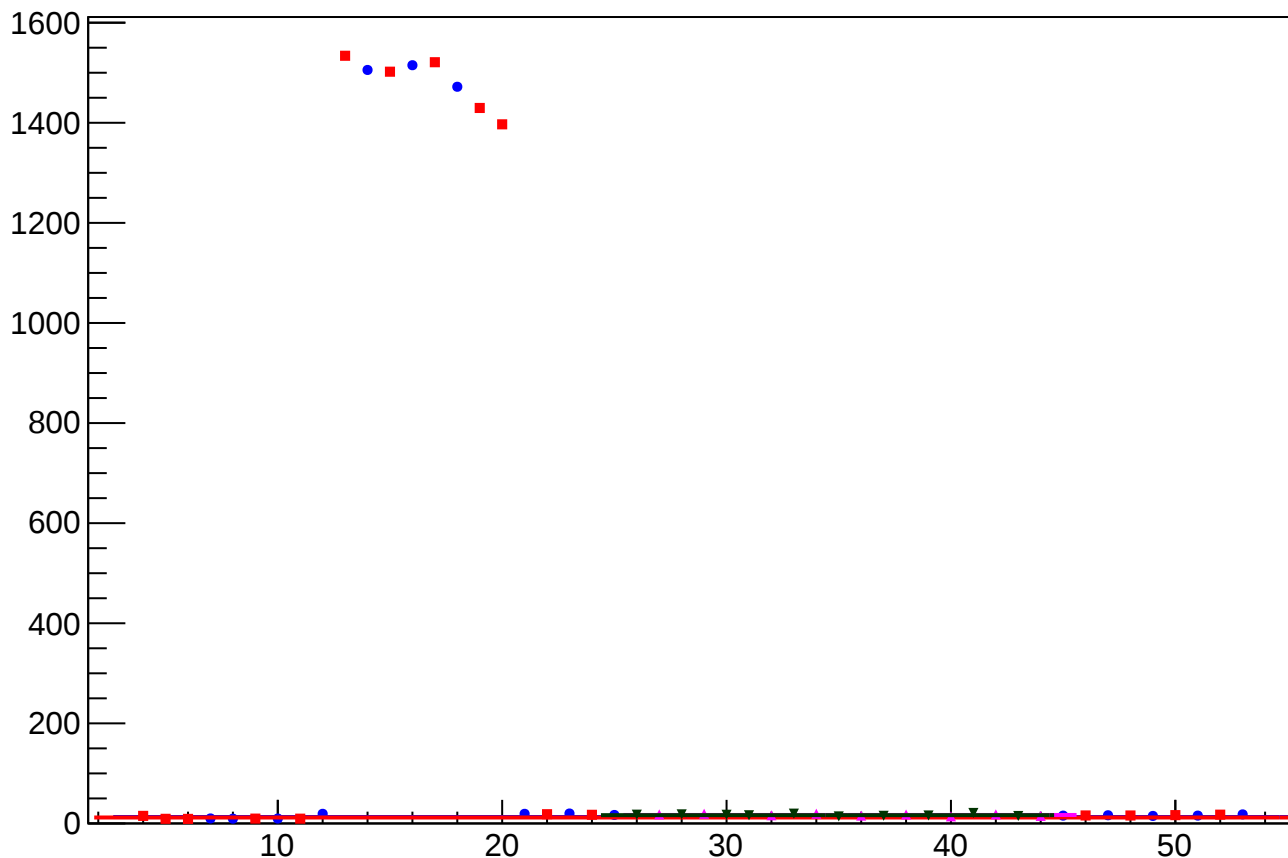
Right Out: 2.359+/-5.274 χ^2/NDF : 9.0/15

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

-1.259+/-4.256 χ^2/NDF : 29.2/24

4.117+/-4.303 χ^2/NDF : 19.9/24

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs slug



Right In: 12.848 $\pm$ 0.004 χ^2 /NDF: 5680998.8/14

Left Out: 16.582 $\pm$ 0.005 χ^2 /NDF:133569.4/9

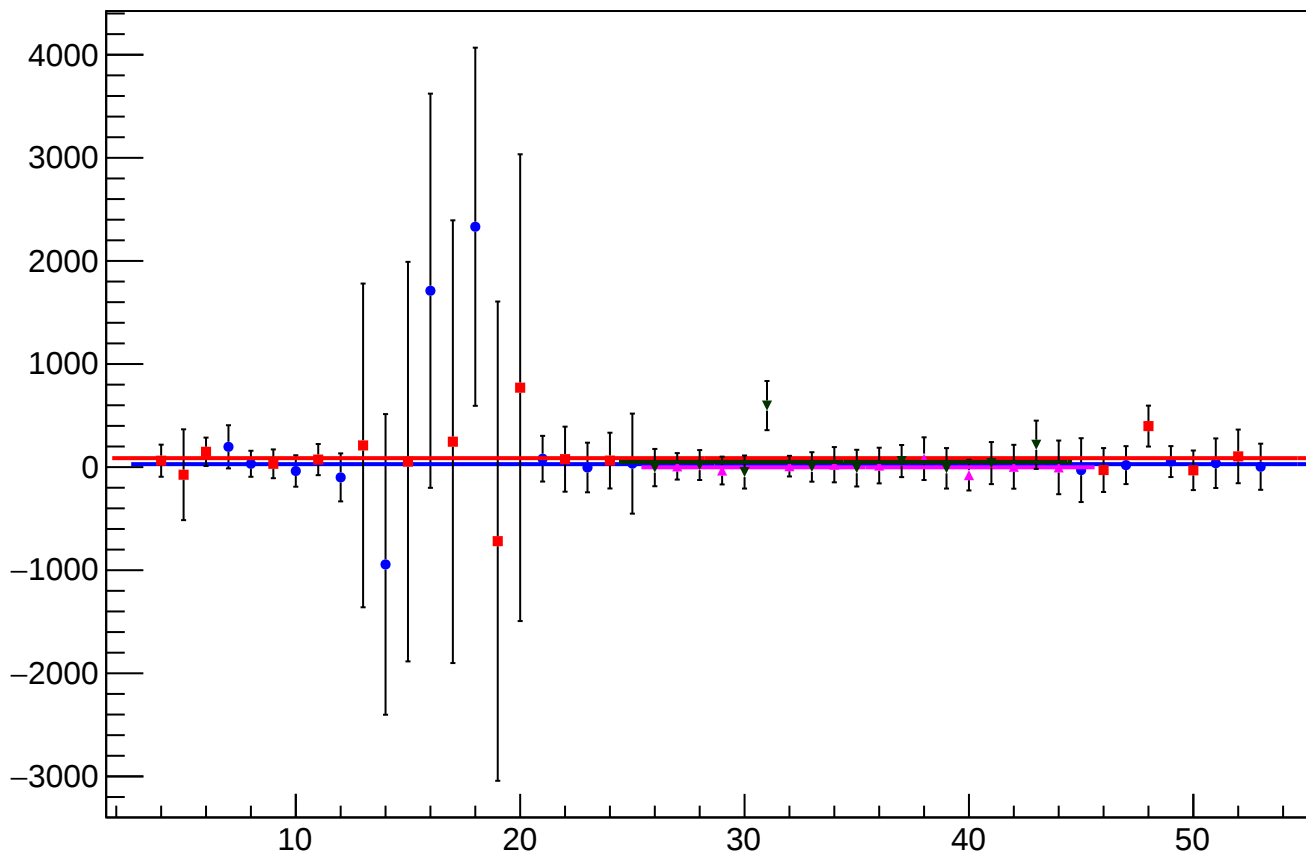
Right Out: 11.915 $\pm$ 0.004 χ^2 /NDF: 6300427.4/15

Left In: 16.955 $\pm$ 0.005 χ^2 /NDF:111170.8/8

14.073 $\pm$ 0.003 χ^2 /NDF: 6154034.0/24

13.600 $\pm$ 0.003 χ^2 /NDF: 7022358.0/24

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs slug



Right In: 28.828+/-56.634 χ^2/NDF : 4.3/14

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

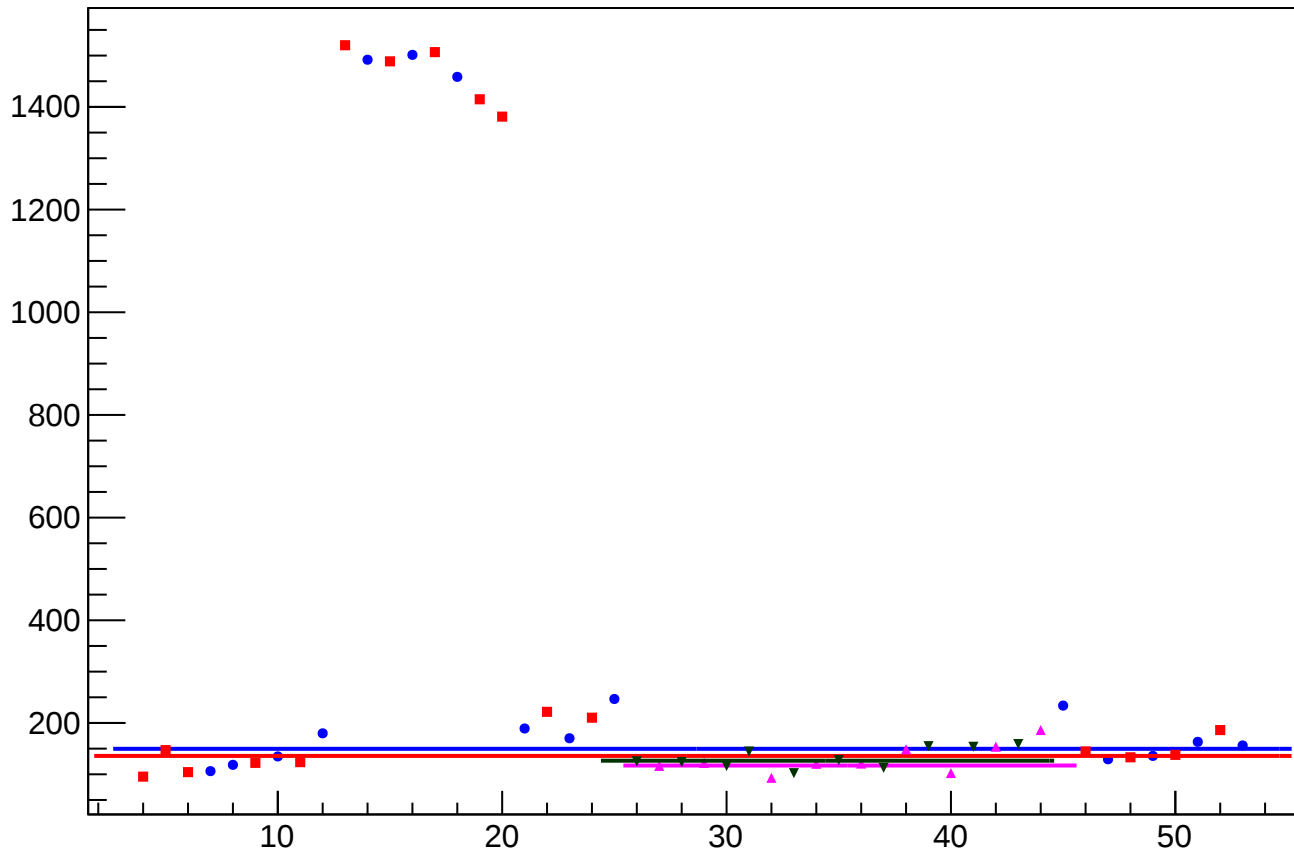
Right Out: 87.012+/-56.920 χ^2/NDF : 3.9/15

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

39.682+/-39.647 χ^2/NDF : 10.9/24

37.555+/-37.871 χ^2/NDF : 5.8/24

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs slug



Right In: 149.644+/-0.040 χ^2/NDF : 4447213.7/14

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

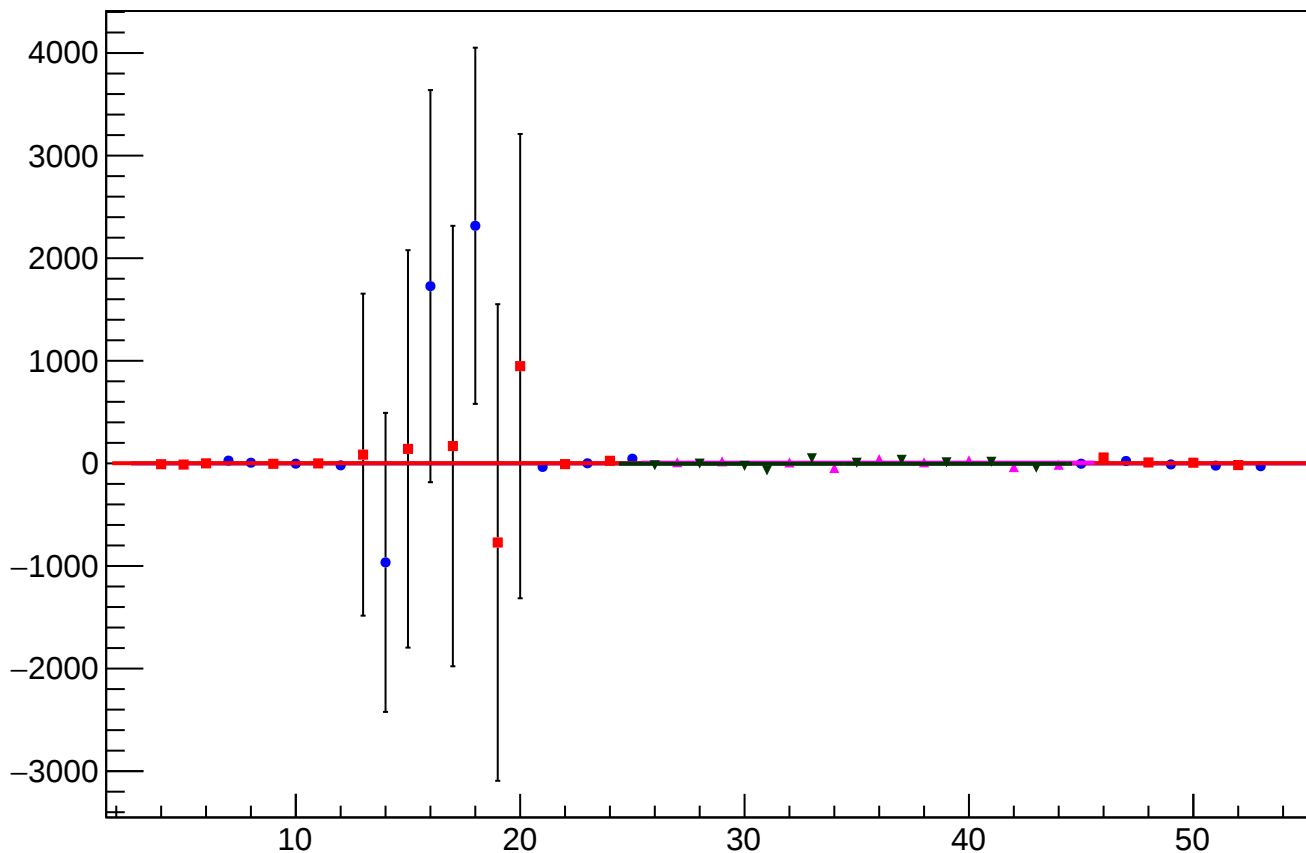
137.841+/-0.028 χ^2/NDF : 4826750.9/24

Right Out: 135.814+/-0.040 χ^2/NDF : 5207100.2/15

125.408+/-0.027 χ^2/NDF : 5711778.3/24

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

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs slug



Right In: -0.123+/-4.801 χ^2/NDF : 13.7/14

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

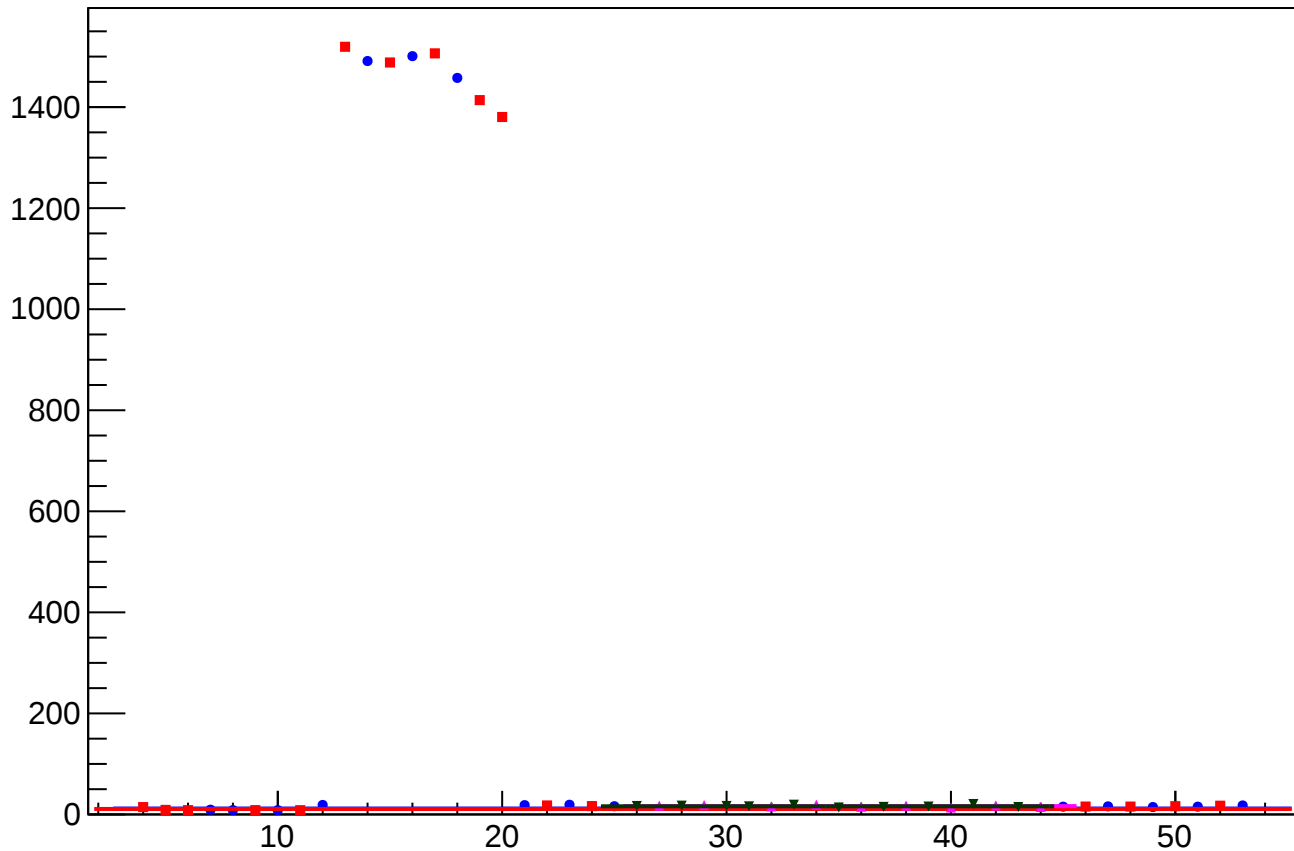
Right Out: 1.879+/-4.876 χ^2/NDF : 8.8/15

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

-1.091+/-4.002 χ^2/NDF : 32.0/24

3.678+/-4.047 χ^2/NDF : 20.5/24

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs slug



Right In: 11.696 $\pm$ 0.003 χ^2 /NDF: 6009895.4/14

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

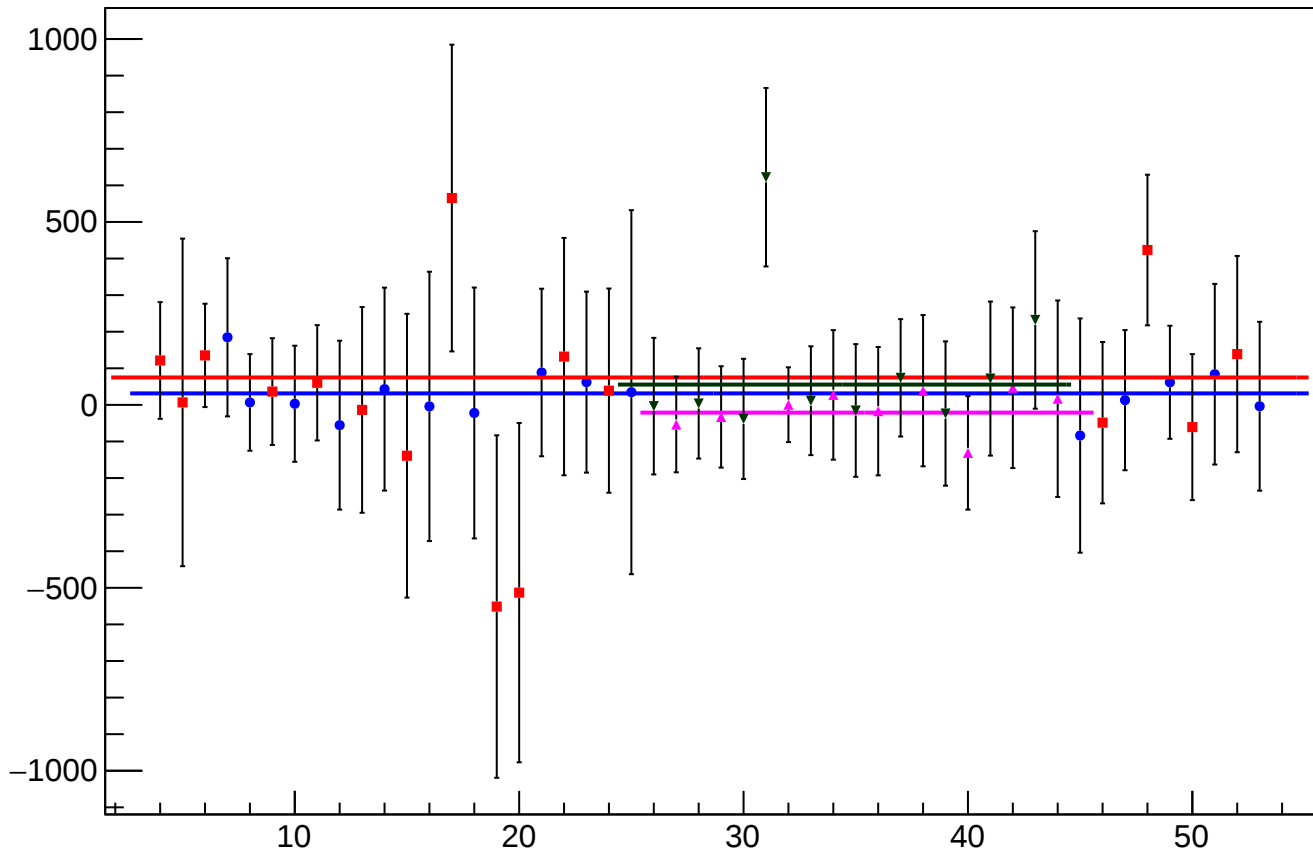
13.051 $\pm$ 0.003 χ^2 /NDF: 6660134.8/24

Right Out: 10.882 $\pm$ 0.003 χ^2 /NDF: 6516417.8/15

12.631 $\pm$ 0.003 χ^2 /NDF: 7445528.7/24

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

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs slug



Right In: 31.403+/-55.930 χ^2/NDF : 1.1/14

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

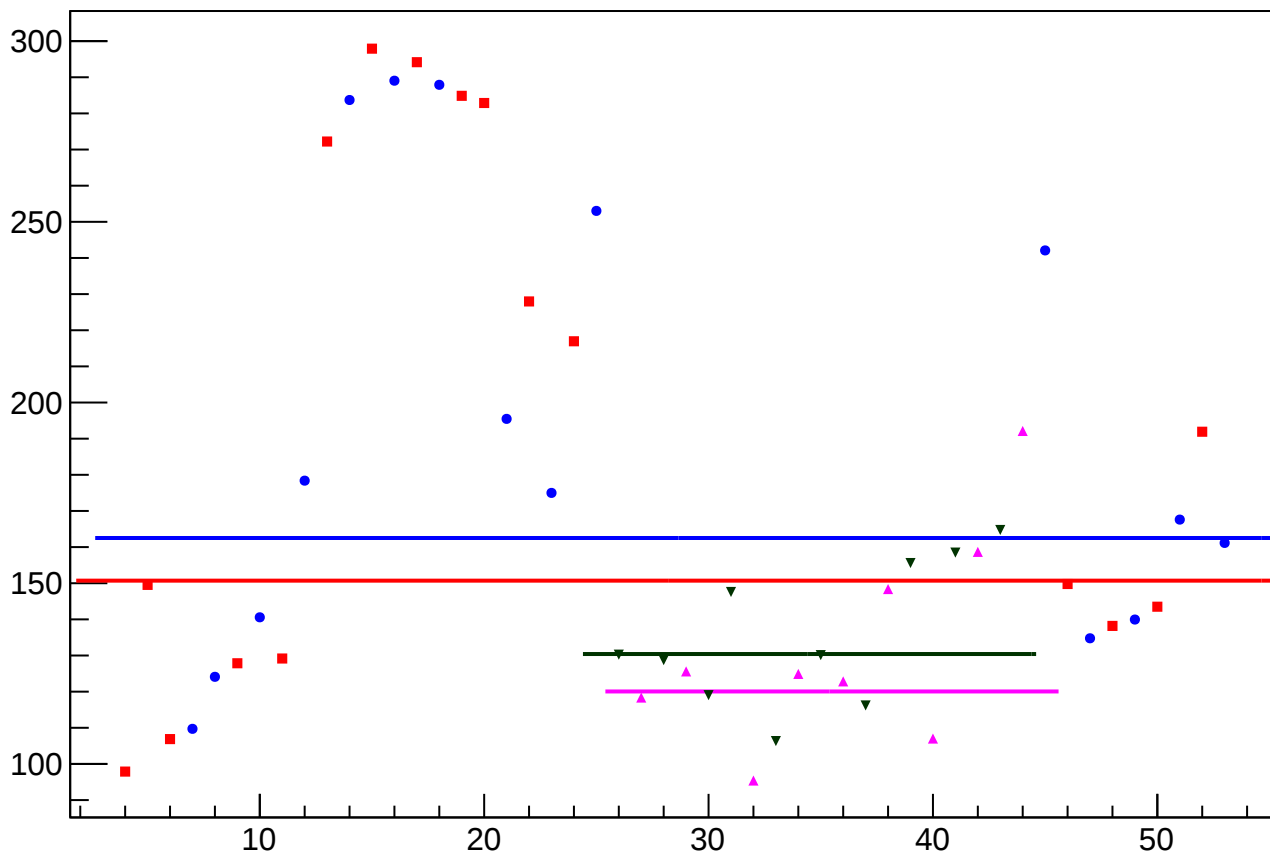
Right Out: 74.963+/-55.783 χ^2/NDF : 9.3/15

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

43.197+/-39.967 χ^2/NDF : 8.1/24

23.495+/-38.023 χ^2/NDF : 11.8/24

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs slug



Right In: 162.517 $\pm$ 0.040 χ^2 /NDF: 1544036.2/14

Left Out: 130.412 $\pm$ 0.040 χ^2 /NDF:196128.5/9

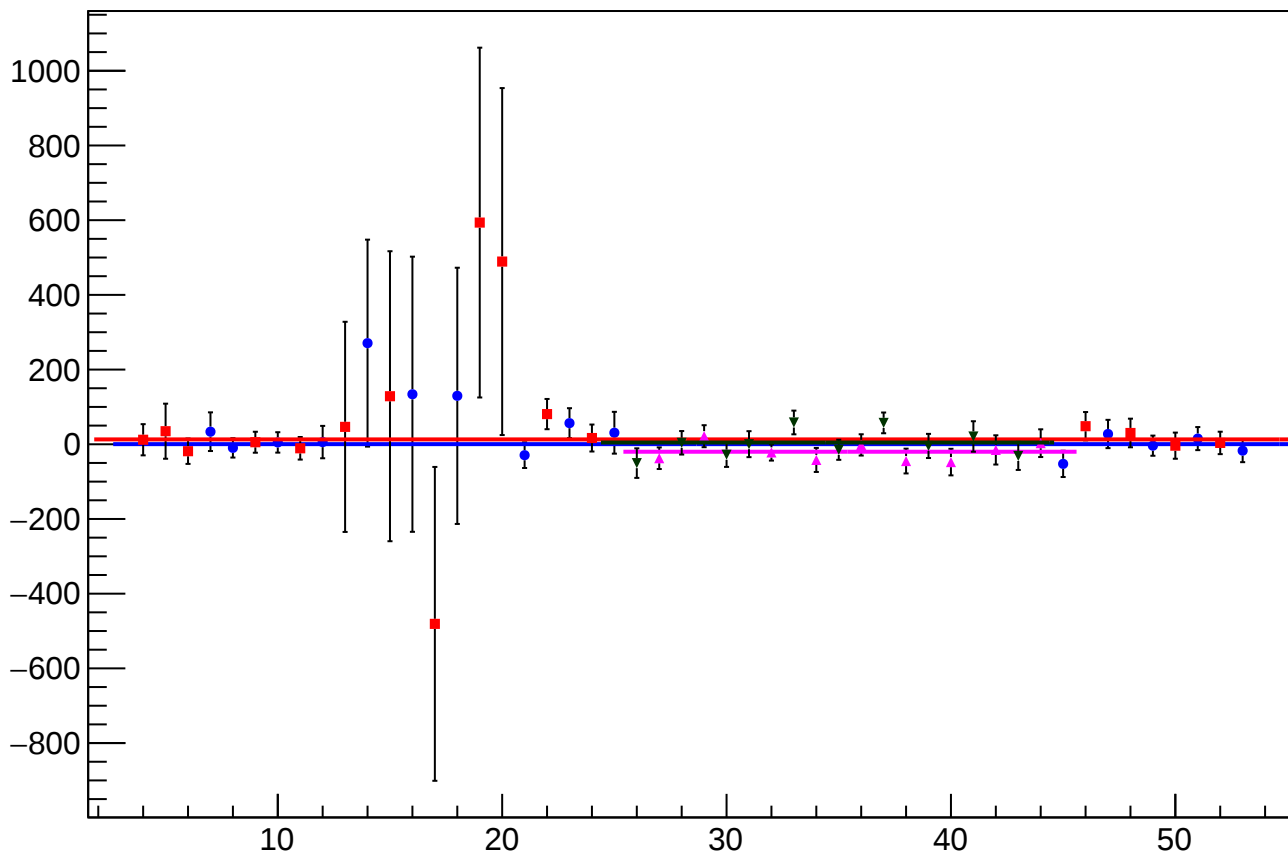
146.806 $\pm$ 0.028 χ^2 /NDF: 2062659.1/24

Right Out: 150.716 $\pm$ 0.039 χ^2 /NDF: 2004528.4/15

134.299 $\pm$ 0.027 χ^2 /NDF: 2707607.2/24

Left In: 120.053 $\pm$ 0.037 χ^2 /NDF:379558.3/8

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs slug



Right In: 0.352 ± 9.745 $\chi^2/\text{NDF}: 8.2/14$

Left Out: 4.706 ± 10.341 $\chi^2/\text{NDF}: 11.1/9$

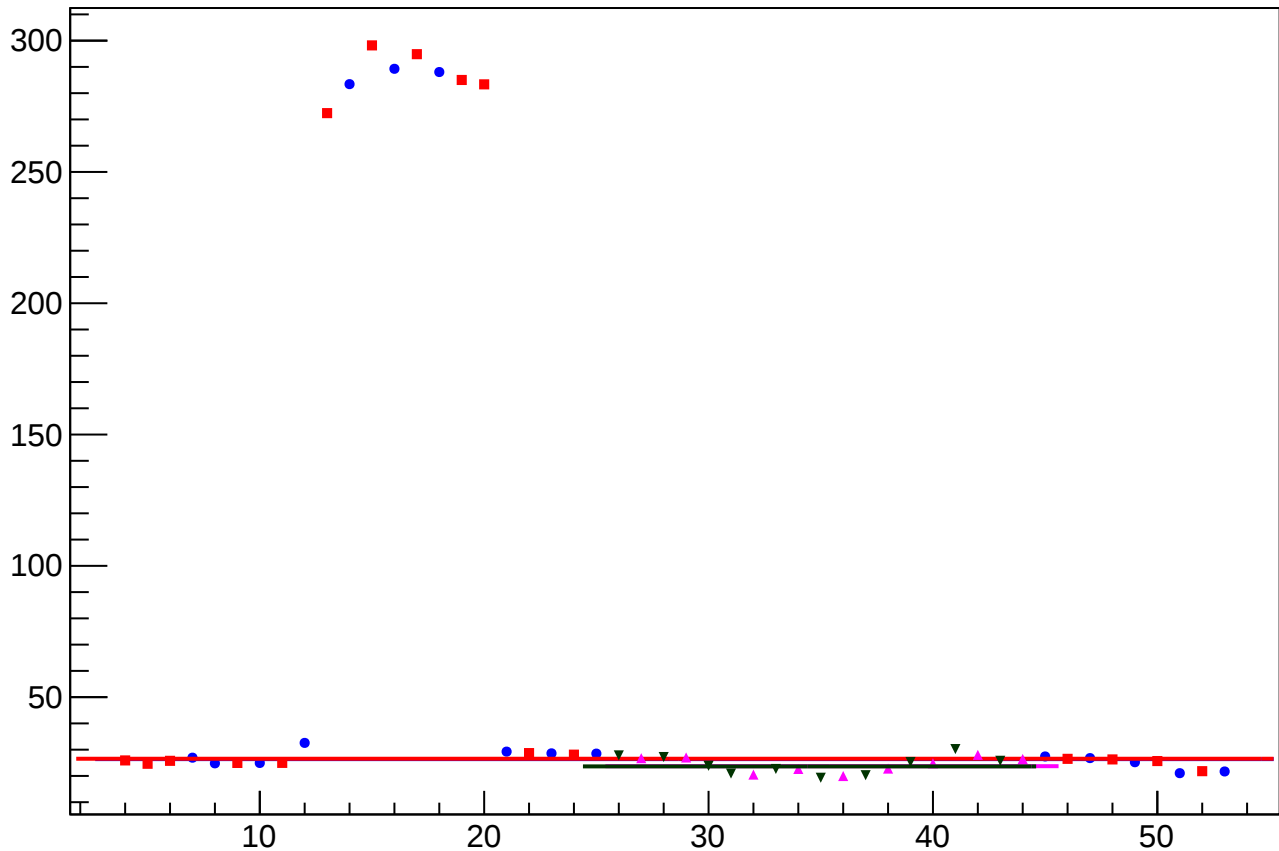
Right Out: 13.048 ± 10.720 $\chi^2/\text{NDF}: 9.9/15$

Left In: -19.983 ± 10.142 $\chi^2/\text{NDF}: 4.8/8$

2.400 ± 7.092 $\chi^2/\text{NDF}: 19.4/24$

-4.382 ± 7.367 $\chi^2/\text{NDF}: 19.8/24$

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs slug



Right In: 26.404+/-0.007 χ^2/NDF : 4092955.1/14

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

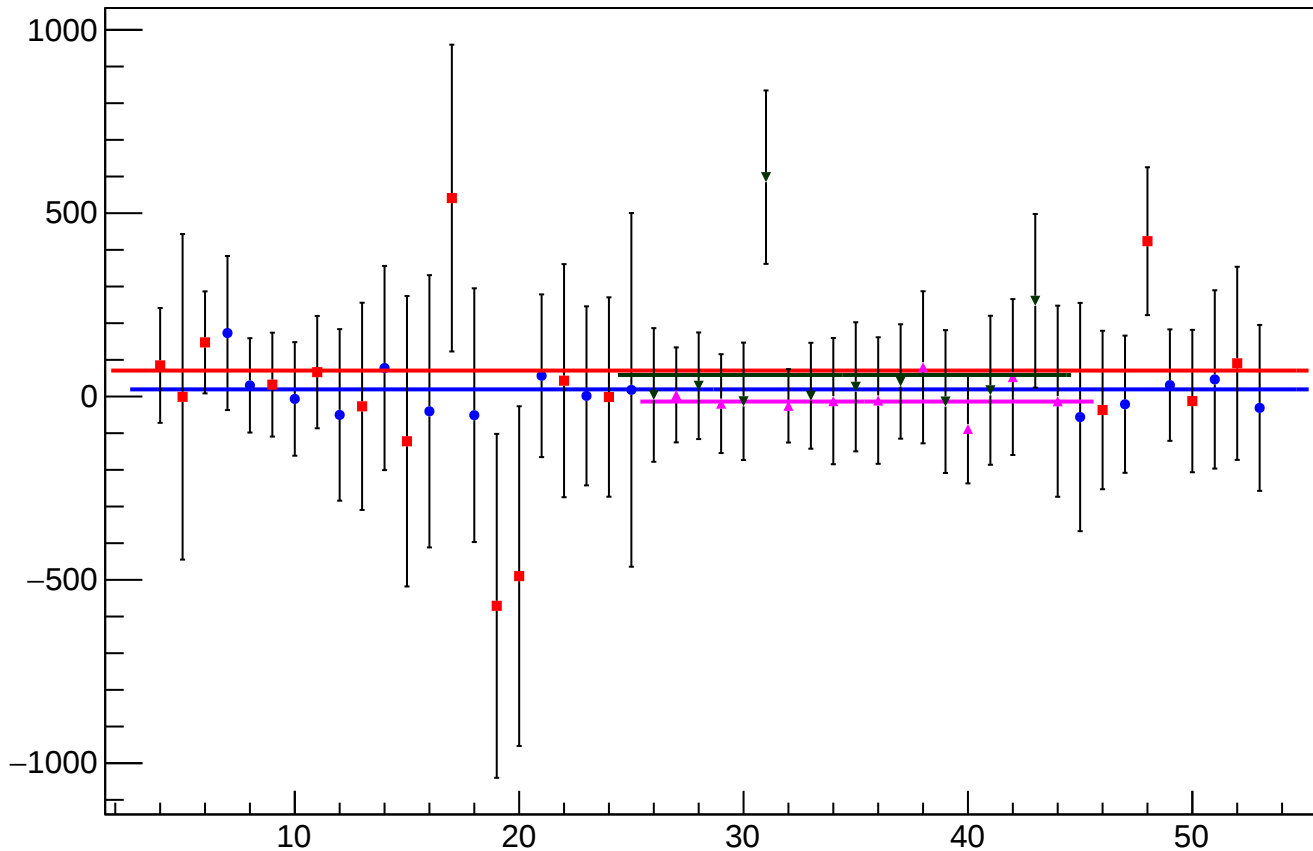
Right Out: 26.541+/-0.008 χ^2/NDF : 4618211.5/15

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

25.099+/-0.005 χ^2/NDF : 4376709.0/24

25.047+/-0.005 χ^2/NDF : 4857697.4/24

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs slug



Right In: 19.486+/-54.921 χ^2/NDF : 1.0/14

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

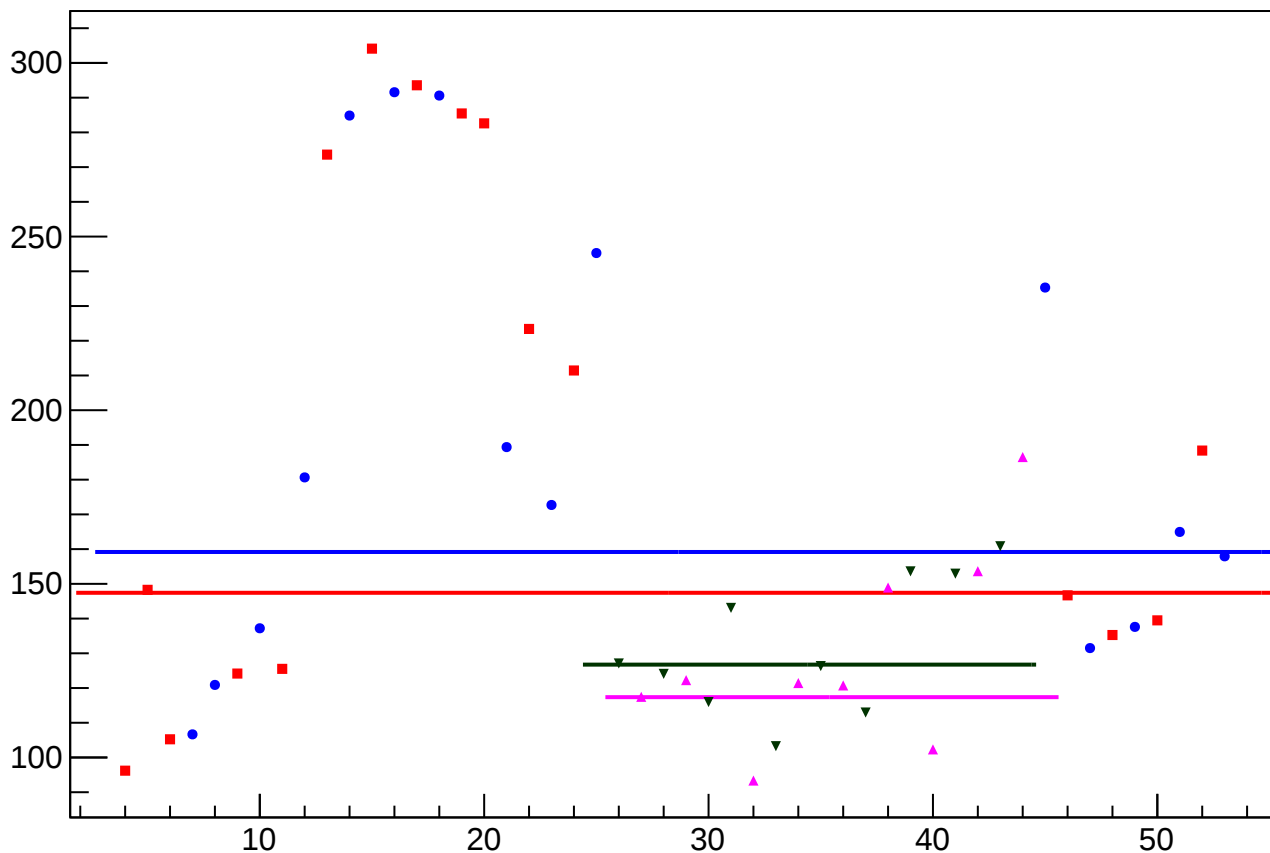
Right Out: 70.788+/-54.707 χ^2/NDF : 8.9/15

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

38.922+/-39.056 χ^2/NDF : 7.9/24

25.415+/-37.229 χ^2/NDF : 10.8/24

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs slug



Right In: 159.177+/-0.039 χ^2/NDF : 1621026.6/14

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

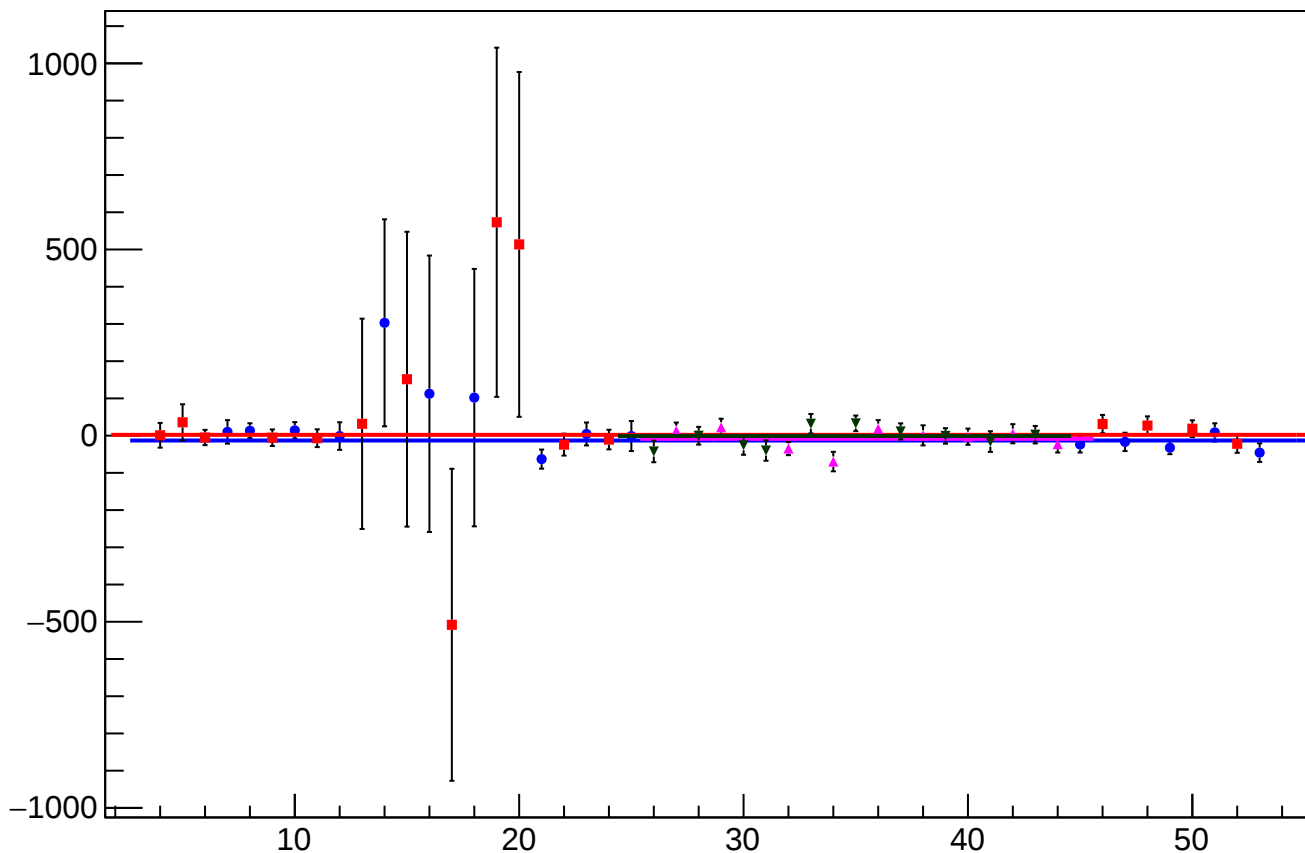
143.144+/-0.028 χ^2/NDF : 2166354.8/24

Right Out: 147.425+/-0.039 χ^2/NDF : 2076273.6/15

131.290+/-0.026 χ^2/NDF : 2785857.7/24

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

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs slug



Right In: -13.120 ± 7.078 χ^2/NDF : 13.7/14

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

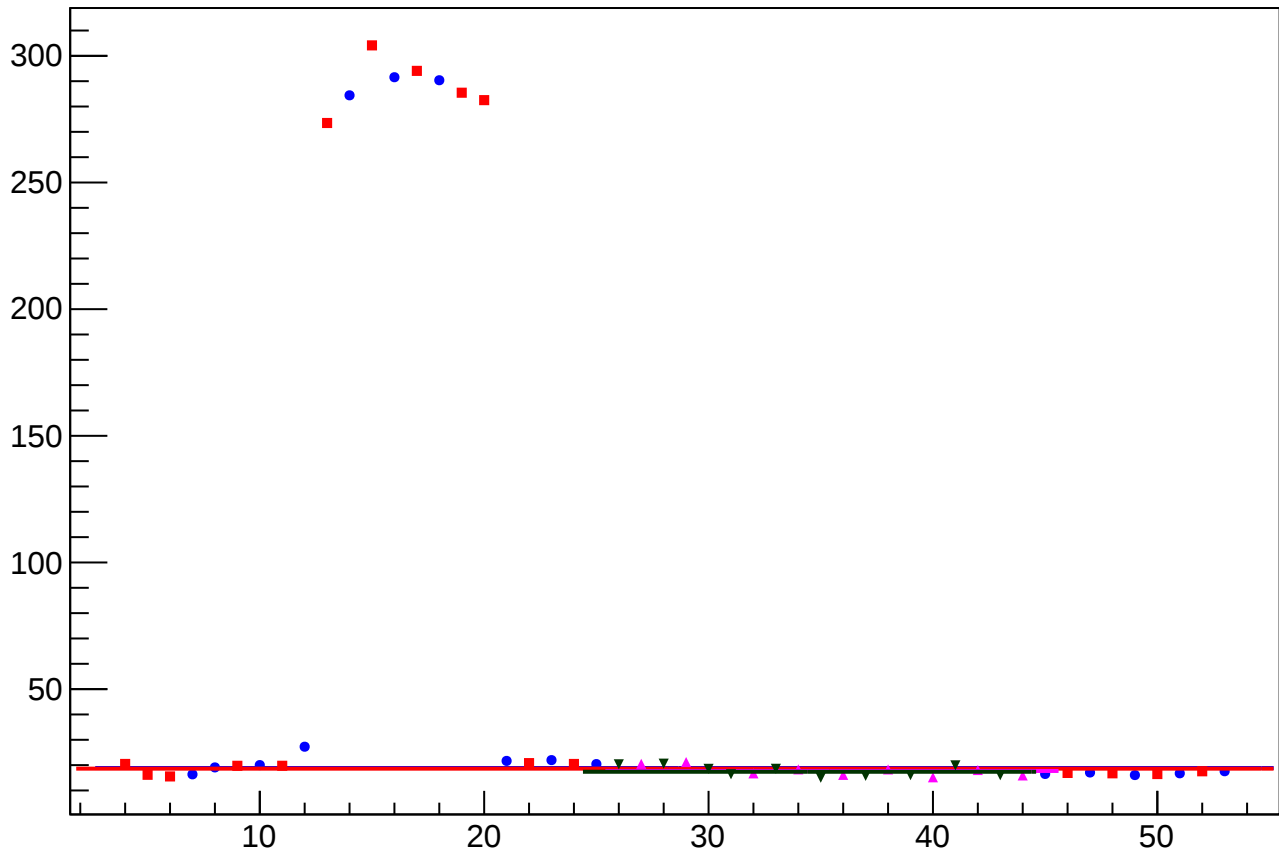
Right Out: 2.121 ± 7.651 χ^2/NDF : 10.2/15

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

-7.470 ± 5.192 χ^2/NDF : 24.9/24

-3.287 ± 5.393 χ^2/NDF : 23.7/24

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs slug



Right In: 18.858 $\pm$ 0.005 χ^2/NDF : 4411657.4/14

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

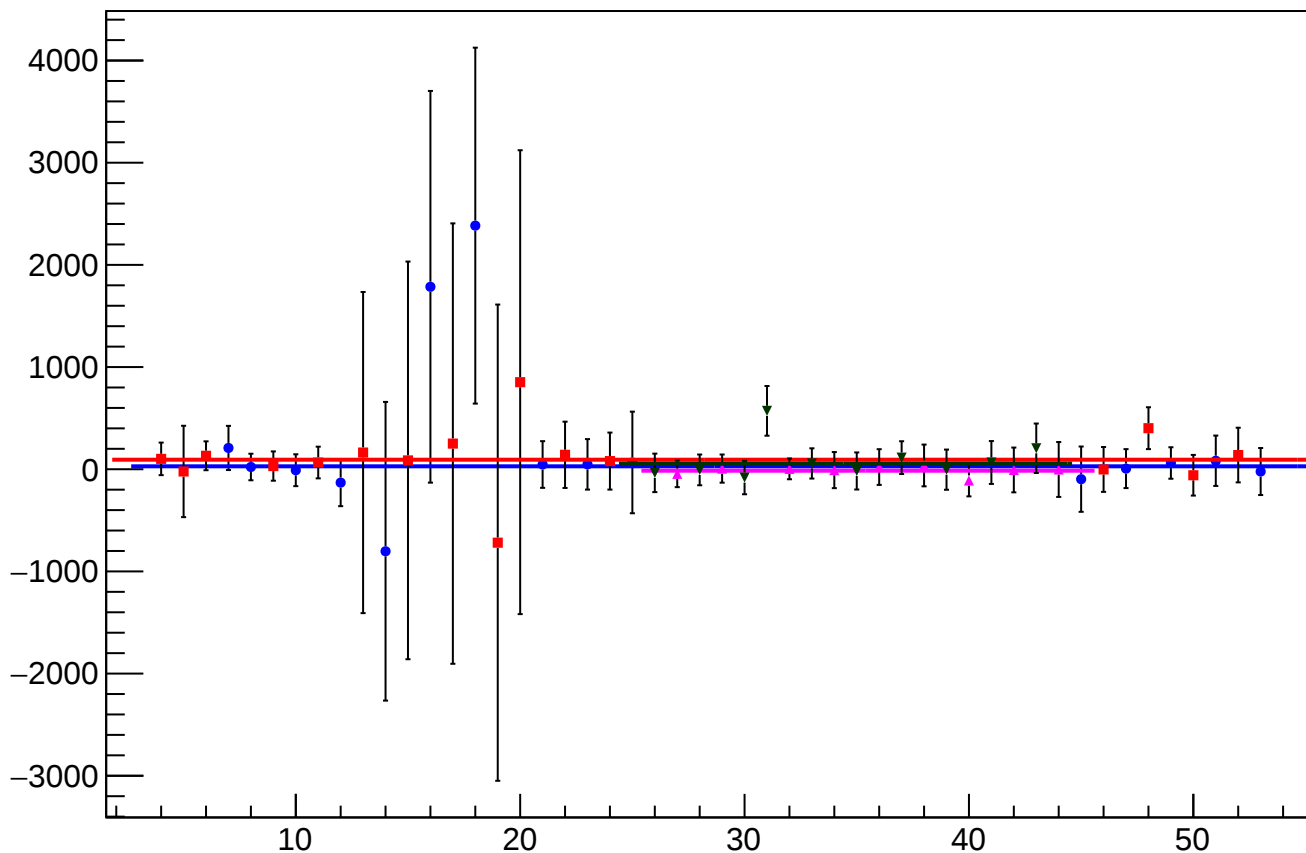
Right Out: 18.612 $\pm$ 0.005 χ^2/NDF : 4958281.4/15

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

18.176 $\pm$ 0.004 χ^2/NDF : 4588034.8/24

18.150 $\pm$ 0.004 χ^2/NDF : 5106701.4/24

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs slug



Right In: 28.572 $\pm$ 58.113 χ^2 /NDF: 4.6/14

Left Out: 54.414 $\pm$ 57.060 χ^2 /NDF:6.4/9

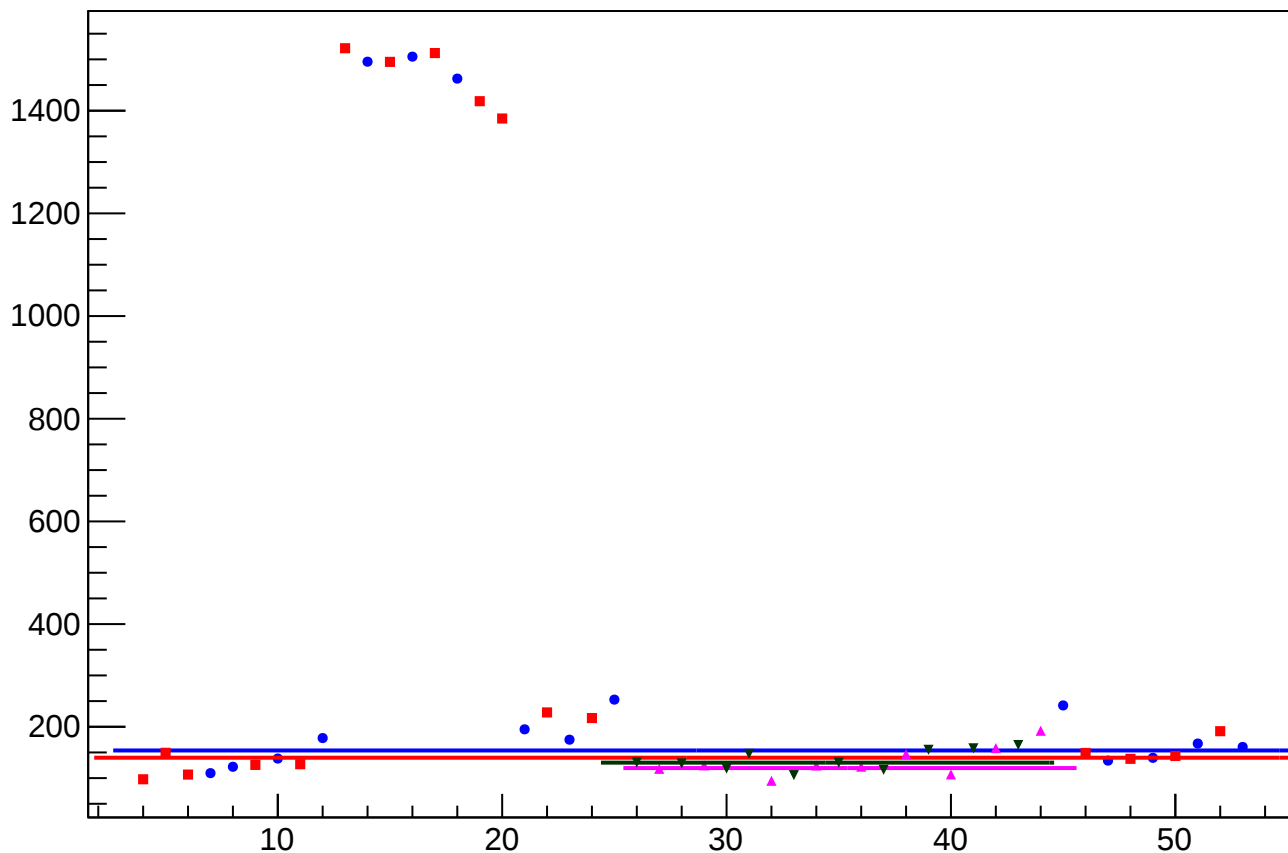
Right Out: 93.290 $\pm$ 58.503 χ^2 /NDF: 3.7/15

Left In: -14.439 $\pm$ 51.773 χ^2 /NDF:0.6/8

41.729 $\pm$ 40.714 χ^2 /NDF: 11.0/24

32.875 $\pm$ 38.771 χ^2 /NDF: 6.2/24

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs slug



Right In: 153.861+/-0.041 χ^2/NDF : 4409632.9/14

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

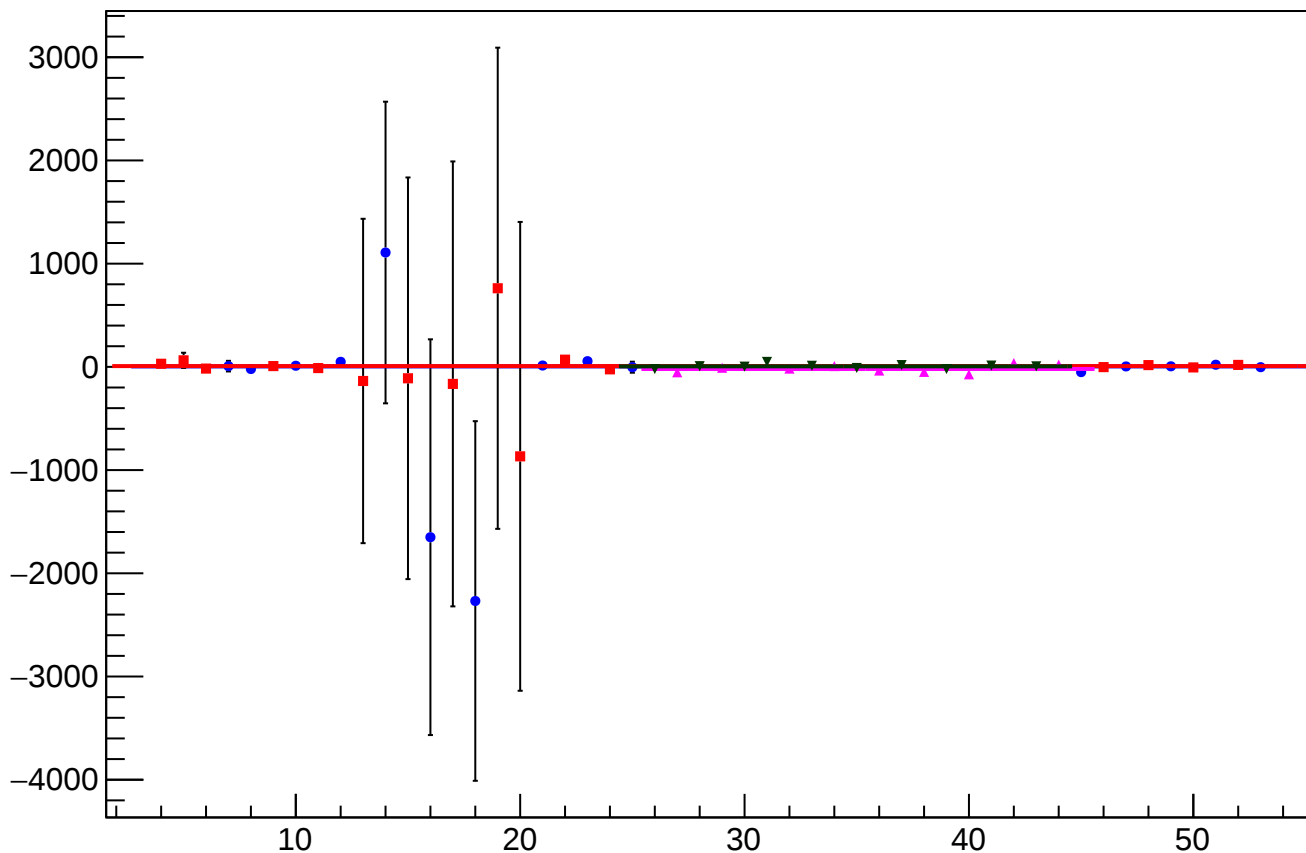
Right Out: 139.742+/-0.041 χ^2/NDF : 5192399.4/15

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

141.786+/-0.029 χ^2/NDF : 4776368.6/24

128.441+/-0.027 χ^2/NDF : 5706162.7/24

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs slug



Right In: 4.362 $\pm$ 9.421 χ^2 /NDF: 10.1/14

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

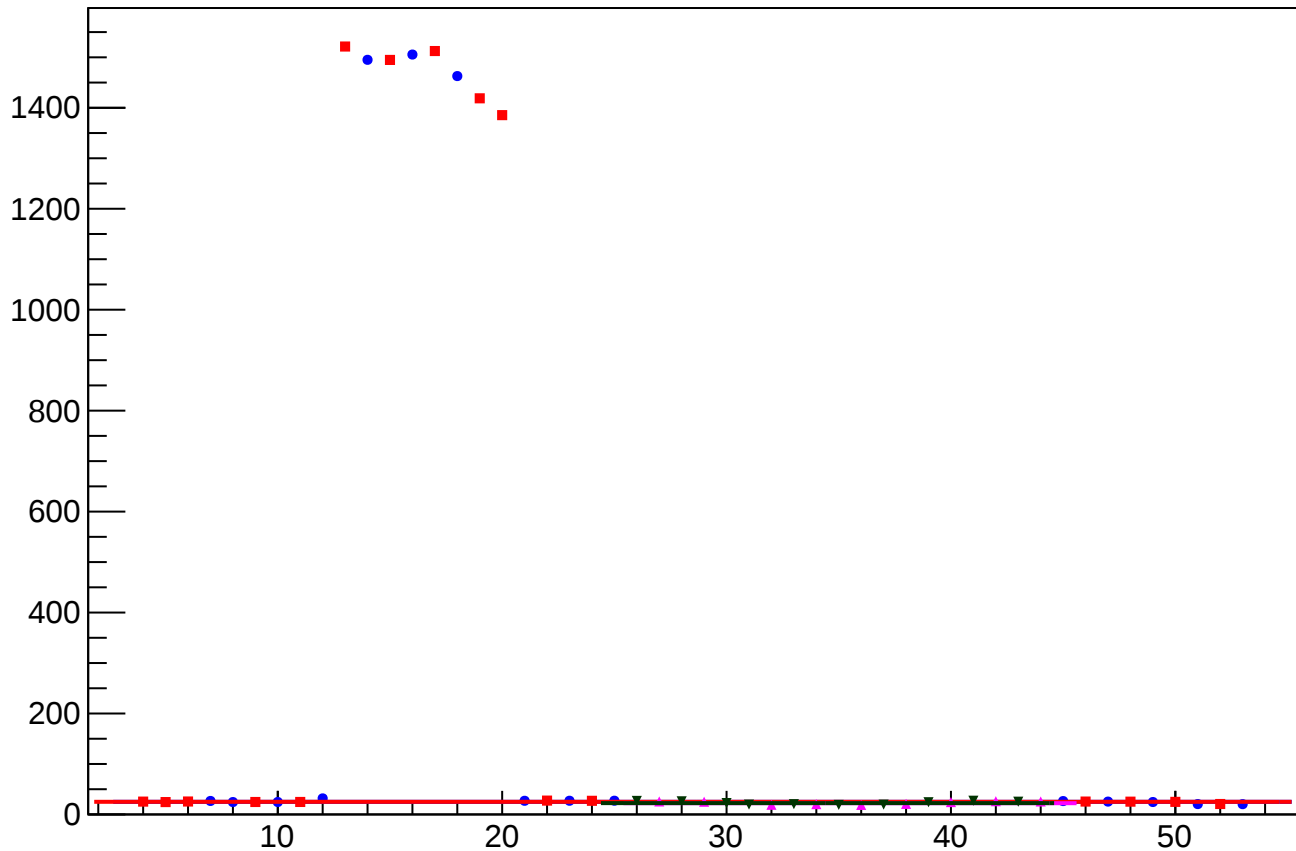
Right Out: 7.448 $\pm$ 10.442 χ^2 /NDF: 5.9/15

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

4.735 $\pm$ 6.787 χ^2 /NDF: 13.7/24

-7.847 $\pm$ 7.021 χ^2 /NDF: 19.7/24

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs slug



Right In: 25.007+/-0.007 χ^2 /NDF: 4753298.8/14

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

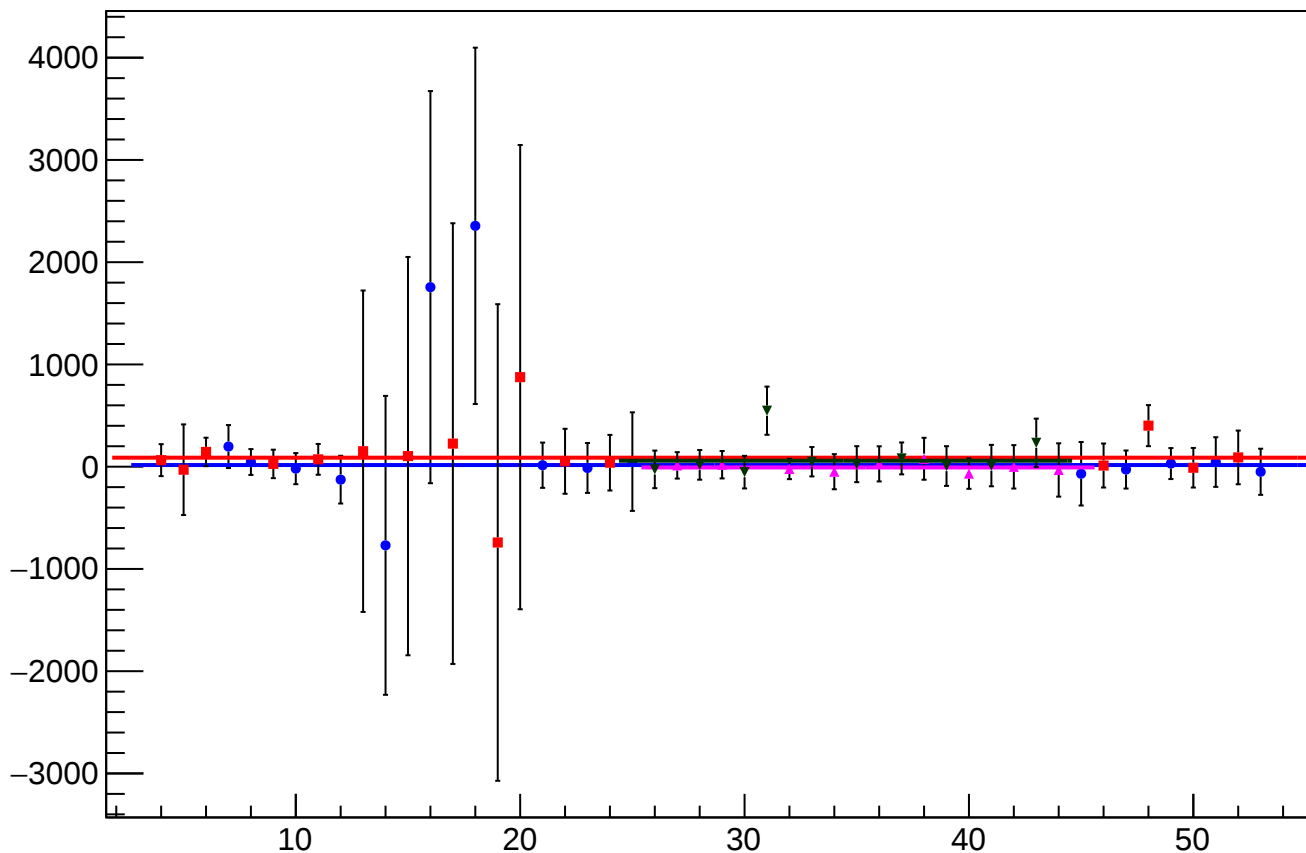
Right Out: 25.061+/-0.007 χ^2 /NDF: 5402912.8/15

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

23.786+/-0.005 χ^2 /NDF: 5015717.0/24

23.545+/-0.005 χ^2 /NDF: 5673820.7/24

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs slug



Right In: 16.084 $\pm$ 56.912 χ^2 /NDF: 4.4/14

Left Out: 58.282 $\pm$ 55.472 χ^2 /NDF:5.8/9

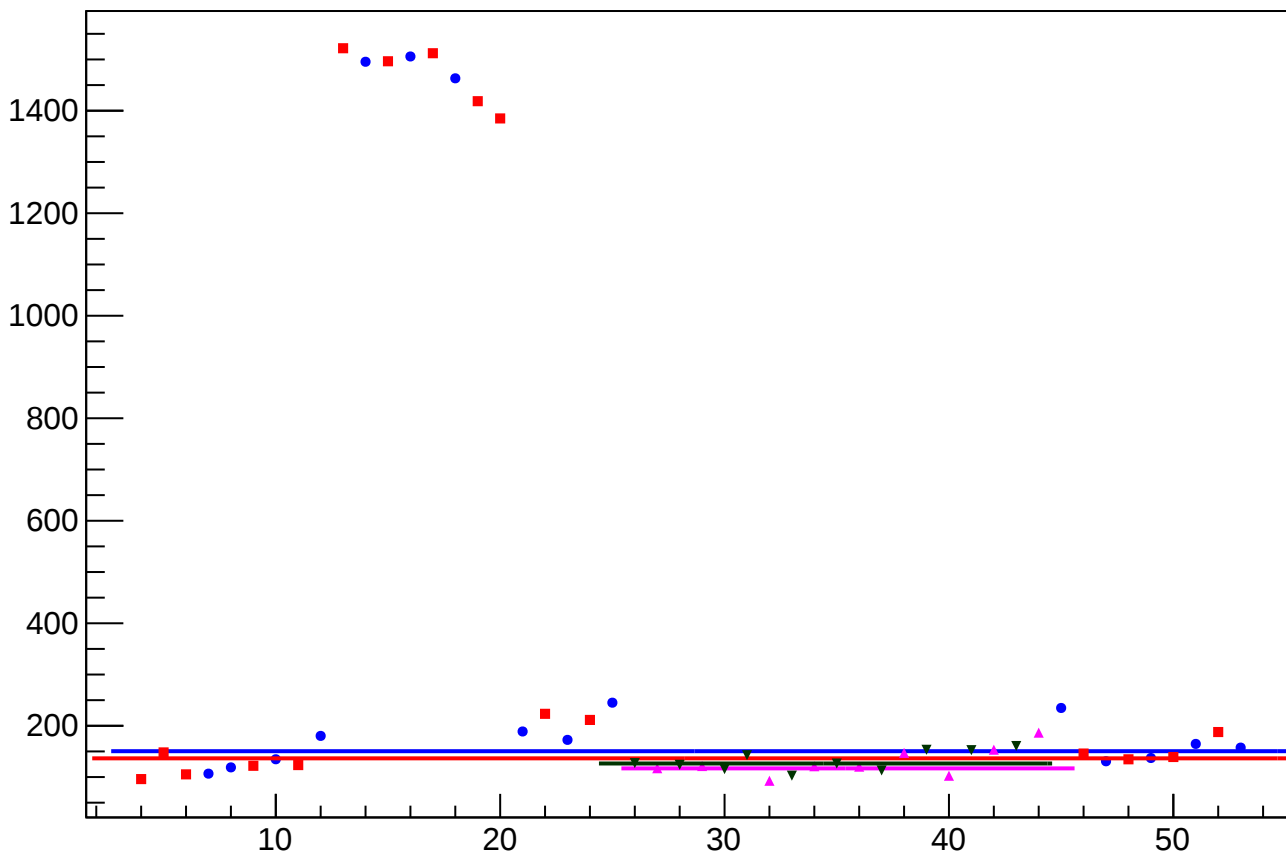
Right Out: 88.186 $\pm$ 57.192 χ^2 /NDF: 3.6/15

Left In: -7.345 $\pm$ 50.616 χ^2 /NDF:0.5/8

37.724 $\pm$ 39.724 χ^2 /NDF: 10.5/24

34.615 $\pm$ 37.903 χ^2 /NDF: 5.7/24

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs slug



Right In: 150.459+/-0.040 χ^2/NDF : 4441313.8/14

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

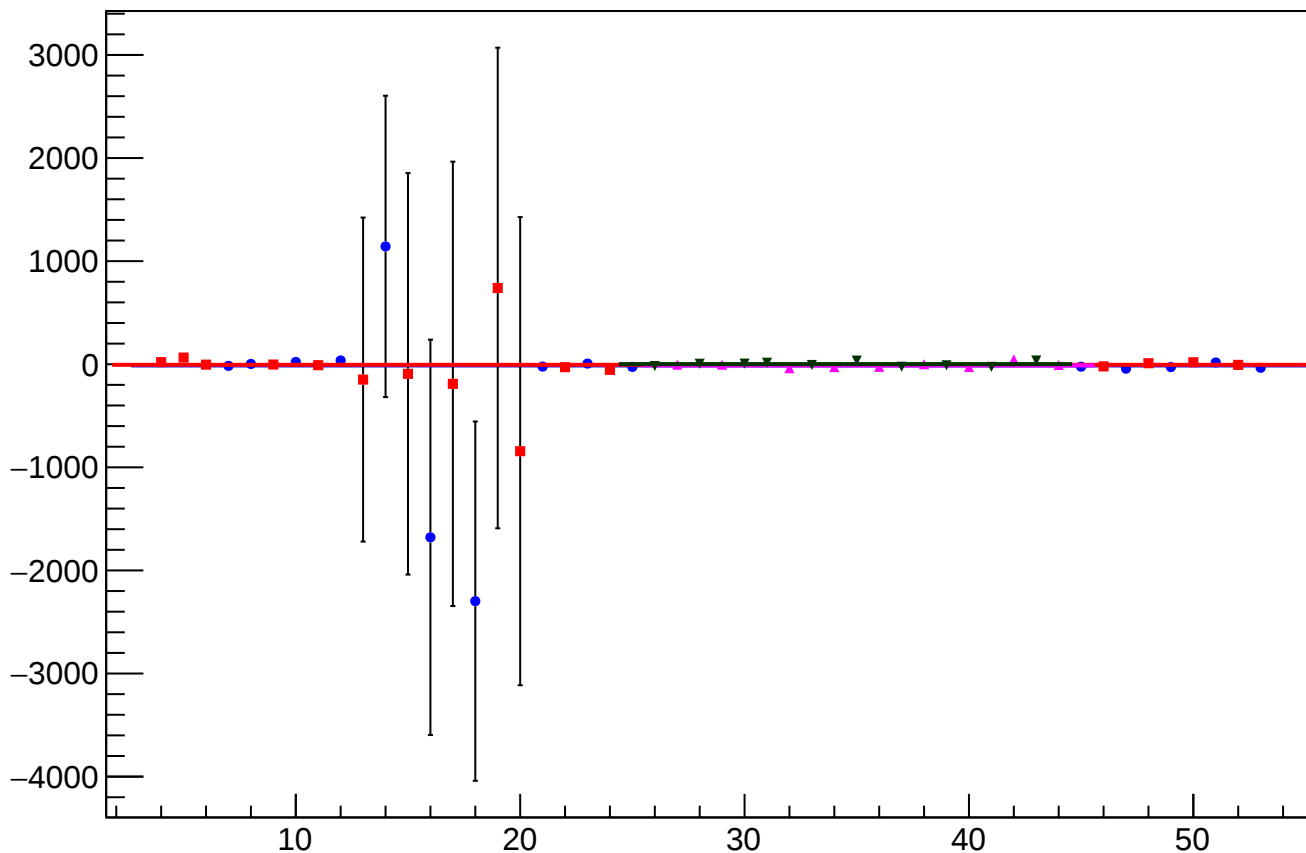
138.153+/-0.028 χ^2/NDF : 4825295.8/24

Right Out: 136.489+/-0.040 χ^2/NDF : 5209162.8/15

125.508+/-0.027 χ^2/NDF : 5727162.1/24

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

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs slug



Right In: -11.704 $\pm$ 6.664 χ^2 /NDF: 14.6/14

Left Out: 1.404 $\pm$ 7.049 χ^2 /NDF: 9.5/9

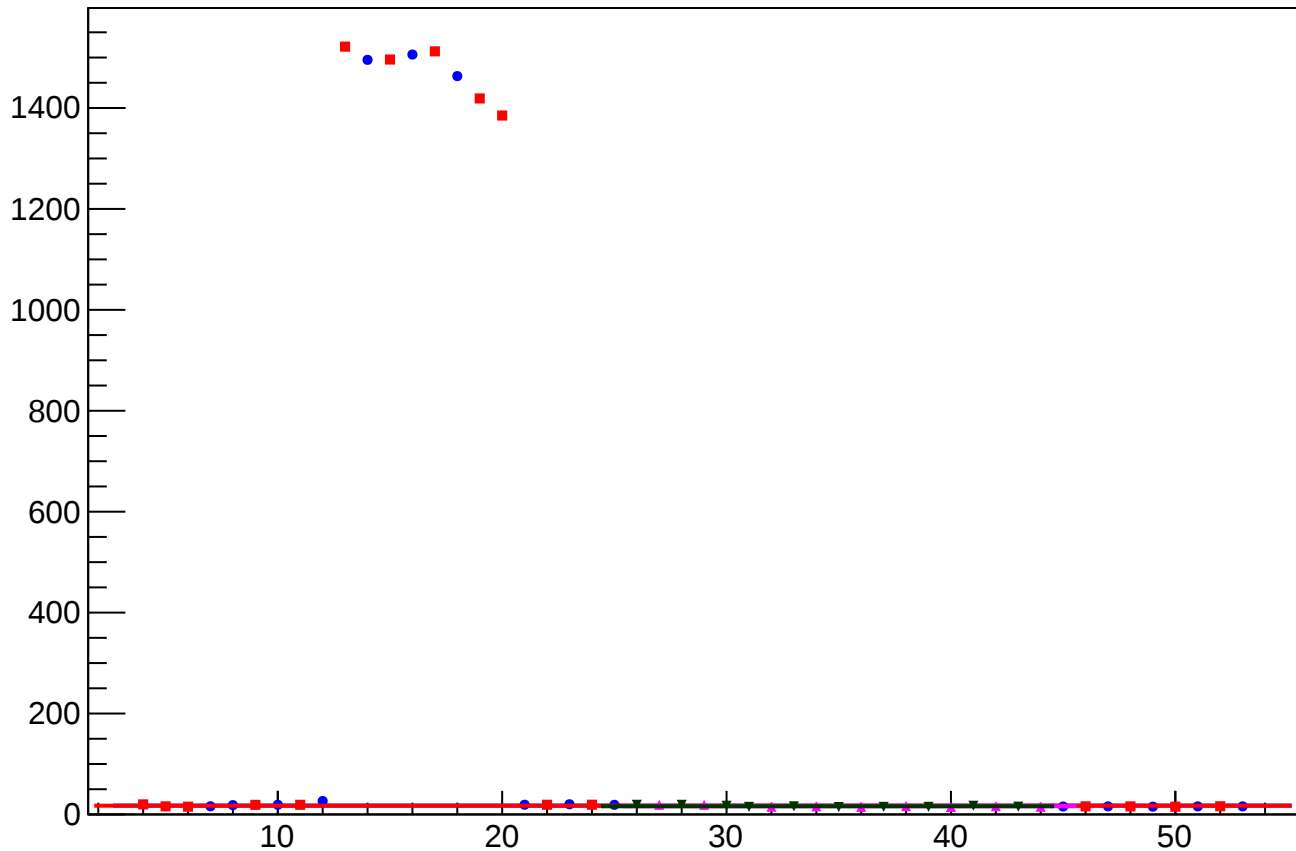
Right Out: -5.596 $\pm$ 7.274 χ^2 /NDF: 10.0/15

Left In: -12.005 $\pm$ 6.949 χ^2 /NDF: 11.5/8

-5.517 $\pm$ 4.843 χ^2 /NDF: 25.9/24

-8.947 $\pm$ 5.025 χ^2 /NDF: 21.9/24

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs slug



Right In: 17.565+/-0.005 χ^2/NDF : 4879896.3/14

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

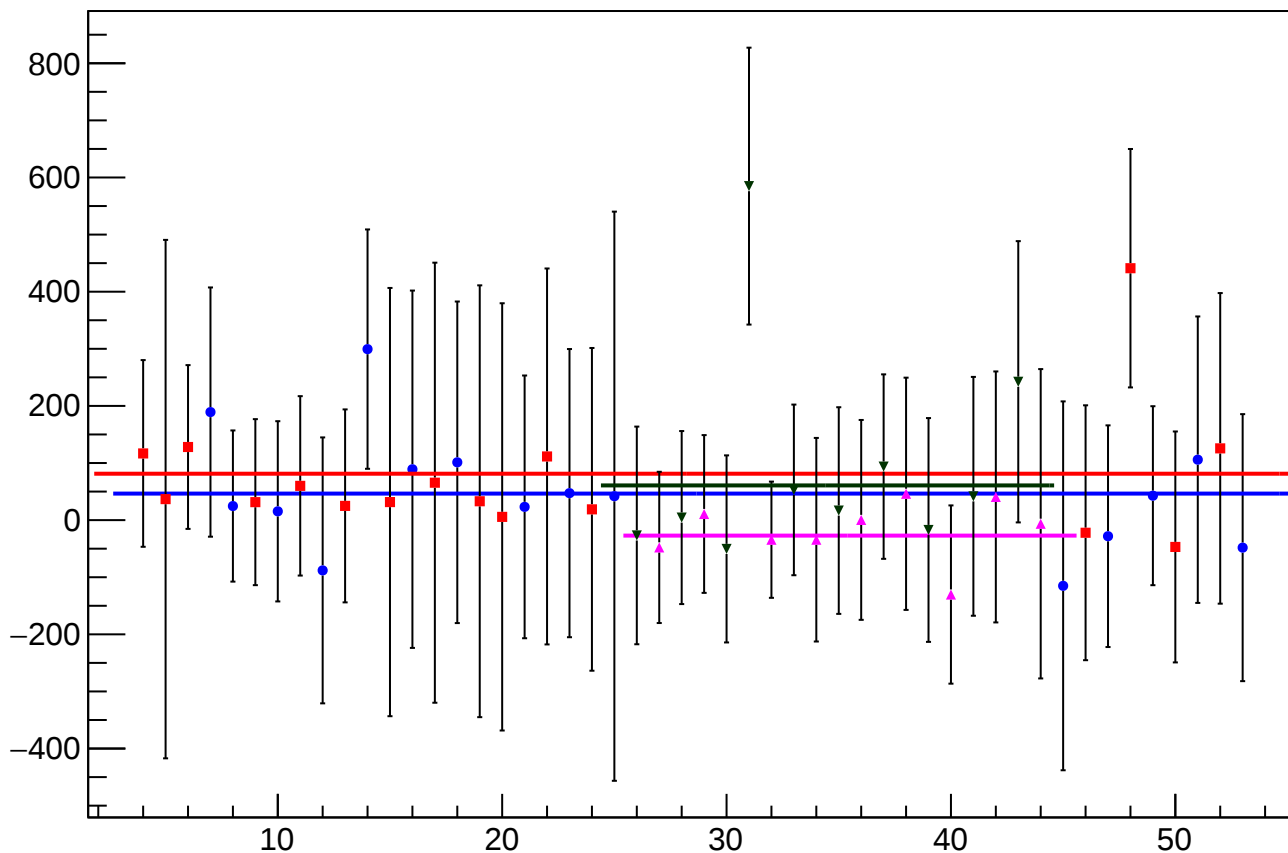
Right Out: 17.353+/-0.005 χ^2/NDF : 5511085.2/15

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

16.930+/-0.003 χ^2/NDF : 5015526.0/24

16.845+/-0.004 χ^2/NDF : 5634095.9/24

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs slug



Right In: 46.466+/-54.885 χ^2/NDF : 3.0/14

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

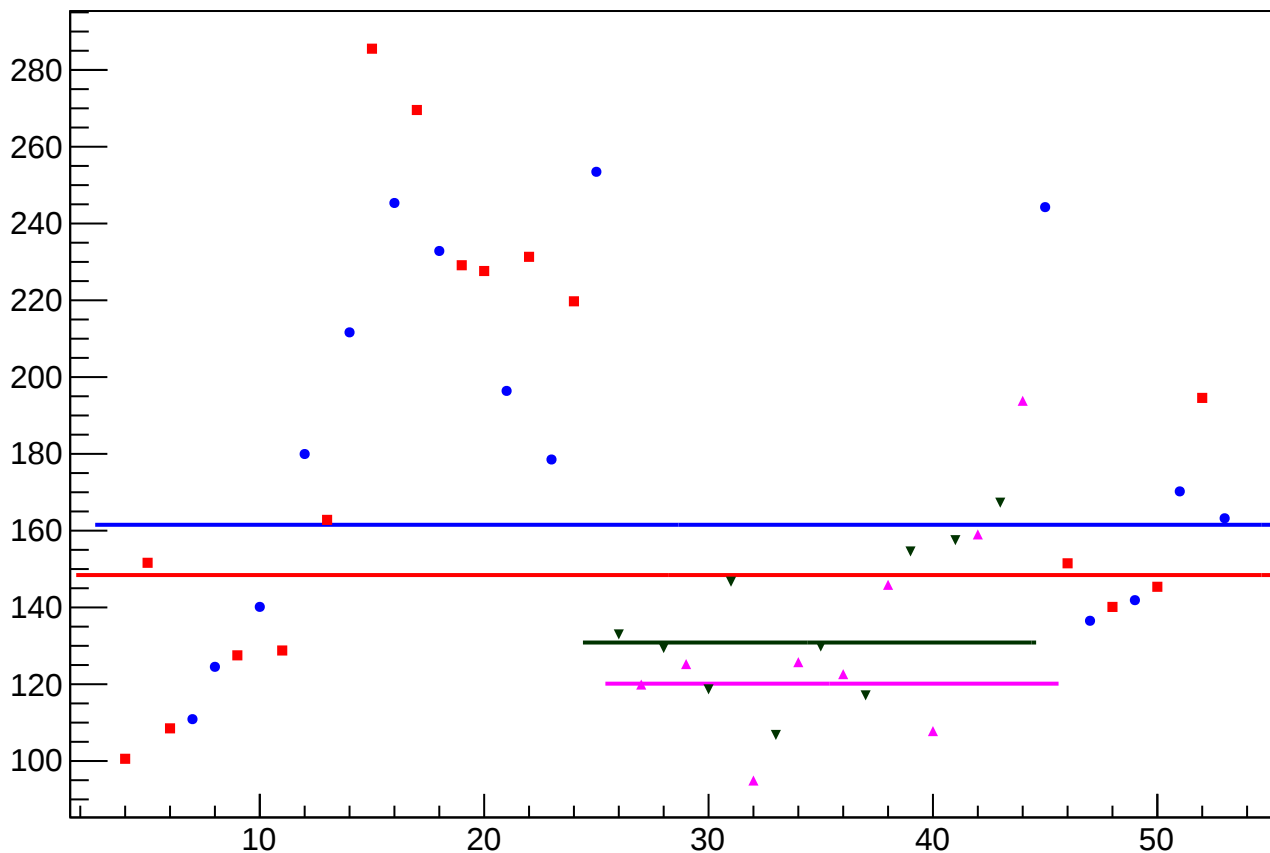
Right Out: 81.270+/-53.874 χ^2/NDF : 4.2/15

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

53.311+/-39.639 χ^2/NDF : 9.3/24

25.173+/-37.417 χ^2/NDF : 7.1/24

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs slug



Right In: 161.528+/-0.039 χ^2/NDF : 1020909.9/14

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

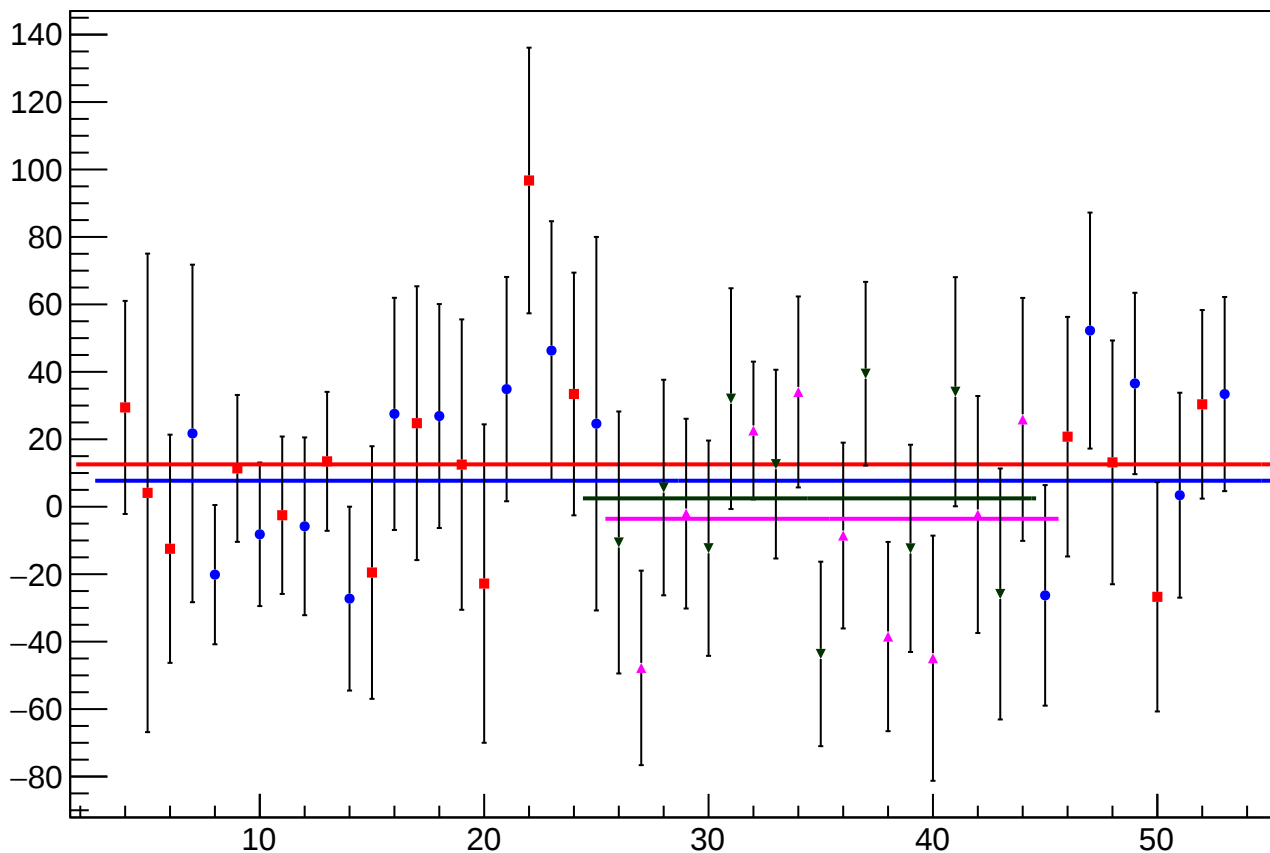
146.857+/-0.028 χ^2/NDF : 1511707.5/24

Right Out: 148.435+/-0.038 χ^2/NDF : 1375270.0/15

133.793+/-0.026 χ^2/NDF : 2043962.2/24

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: 7.713 $\pm$ 7.710 χ^2 /NDF: 11.5/14

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

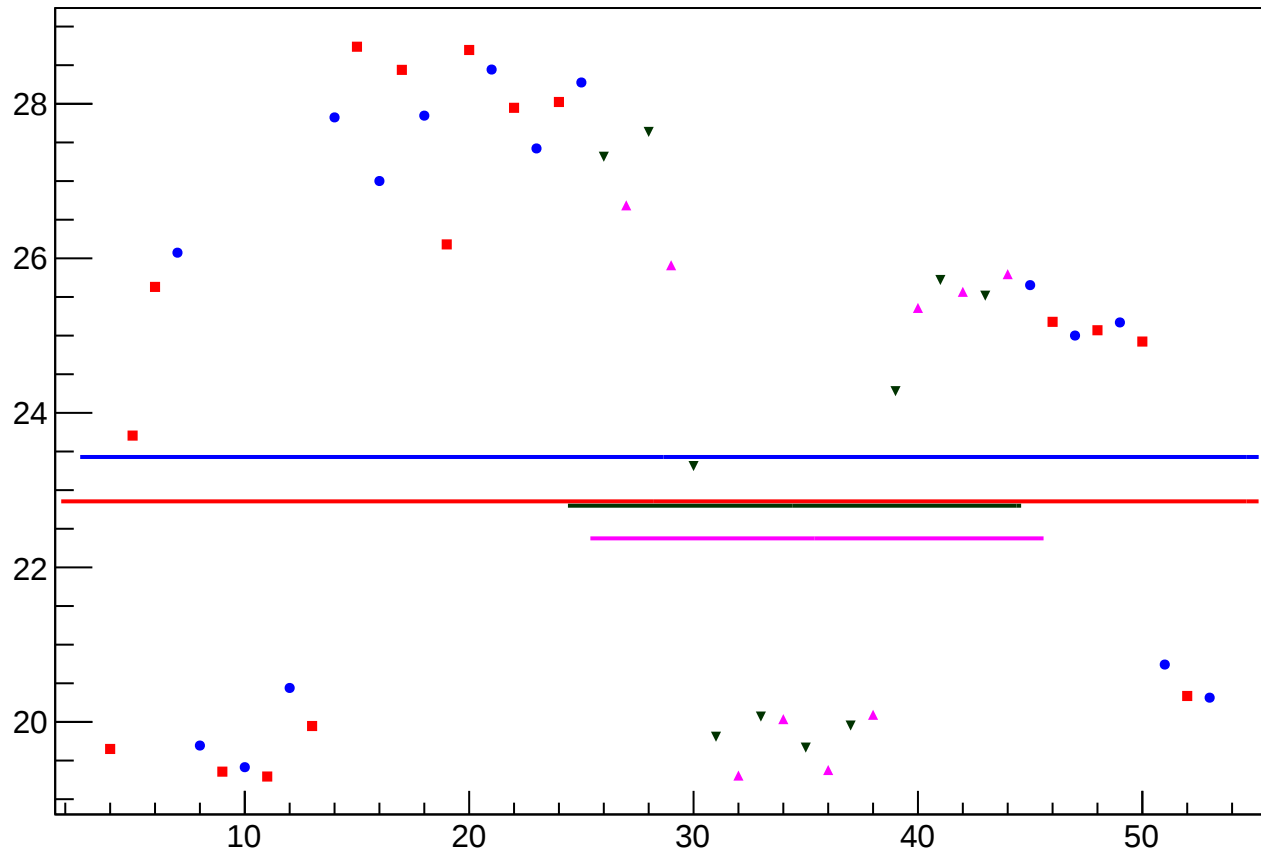
Right Out: 12.567 $\pm$ 7.955 χ^2 /NDF: 9.4/15

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

5.742 $\pm$ 6.087 χ^2 /NDF: 19.3/24

5.930 $\pm$ 6.104 χ^2 /NDF: 20.4/24

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs slug



Right In: 23.429 $\pm$ 0.005 χ^2/NDF : 420038.1/14

Left Out: 22.798 $\pm$ 0.007 χ^2/NDF : 187251.4/9

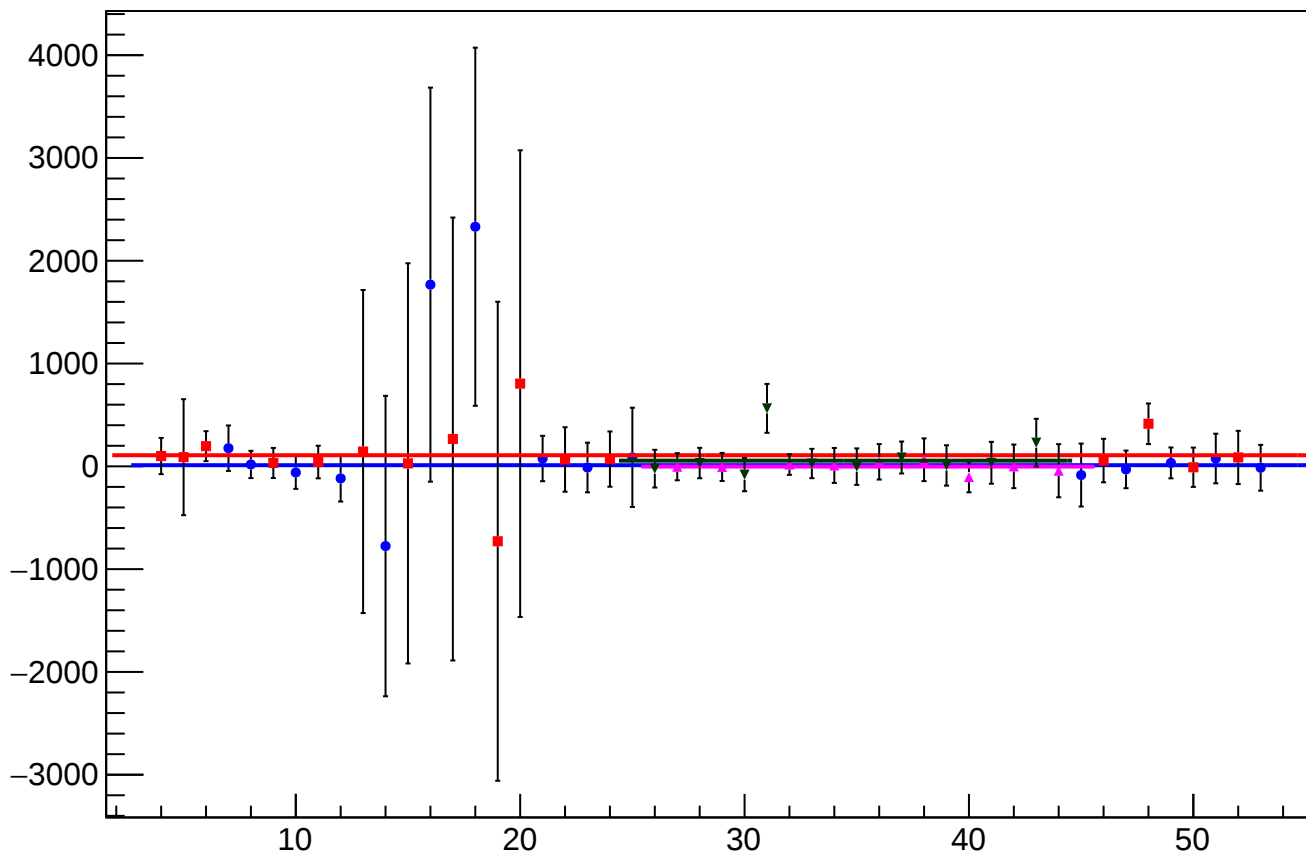
Right Out: 22.855 $\pm$ 0.006 χ^2/NDF : 416514.0/15

Left In: 22.376 $\pm$ 0.007 χ^2/NDF : 220033.6/8

23.191 $\pm$ 0.004 χ^2/NDF : 612329.3/24

22.658 $\pm$ 0.004 χ^2/NDF : 639531.0/24

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs slug



Right In: 11.147 $\pm$ 57.595 χ^2 /NDF: 4.4/14

Left Out: 55.403 $\pm$ 55.677 χ^2 /NDF:6.3/9

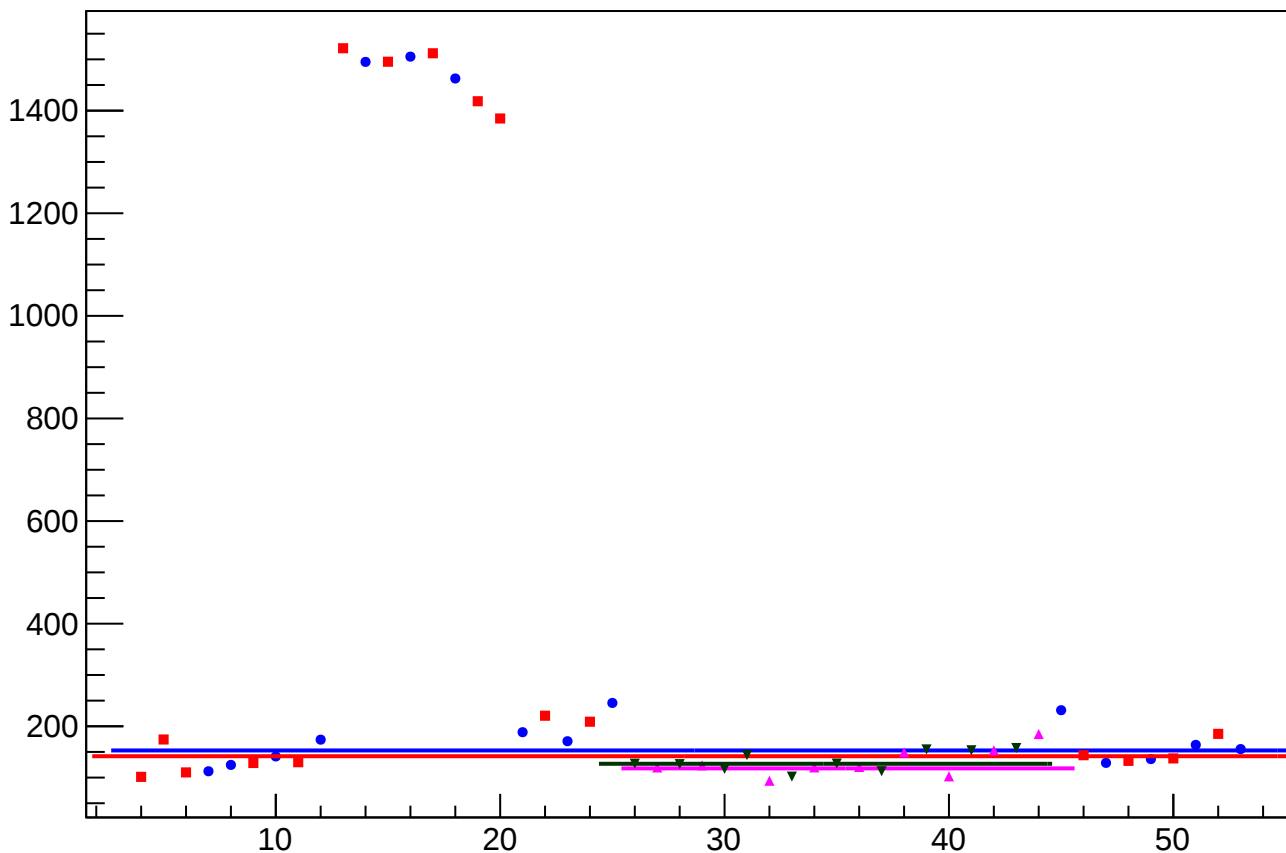
Right Out: 107.882 $\pm$ 59.290 χ^2 /NDF: 3.9/15

Left In: -2.215 $\pm$ 51.031 χ^2 /NDF:0.7/8

34.024 $\pm$ 40.030 χ^2 /NDF: 11.0/24

44.637 $\pm$ 38.678 χ^2 /NDF: 6.6/24

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs slug



Right In: 152.874+/-0.041 χ^2/NDF : 4331940.0/14

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

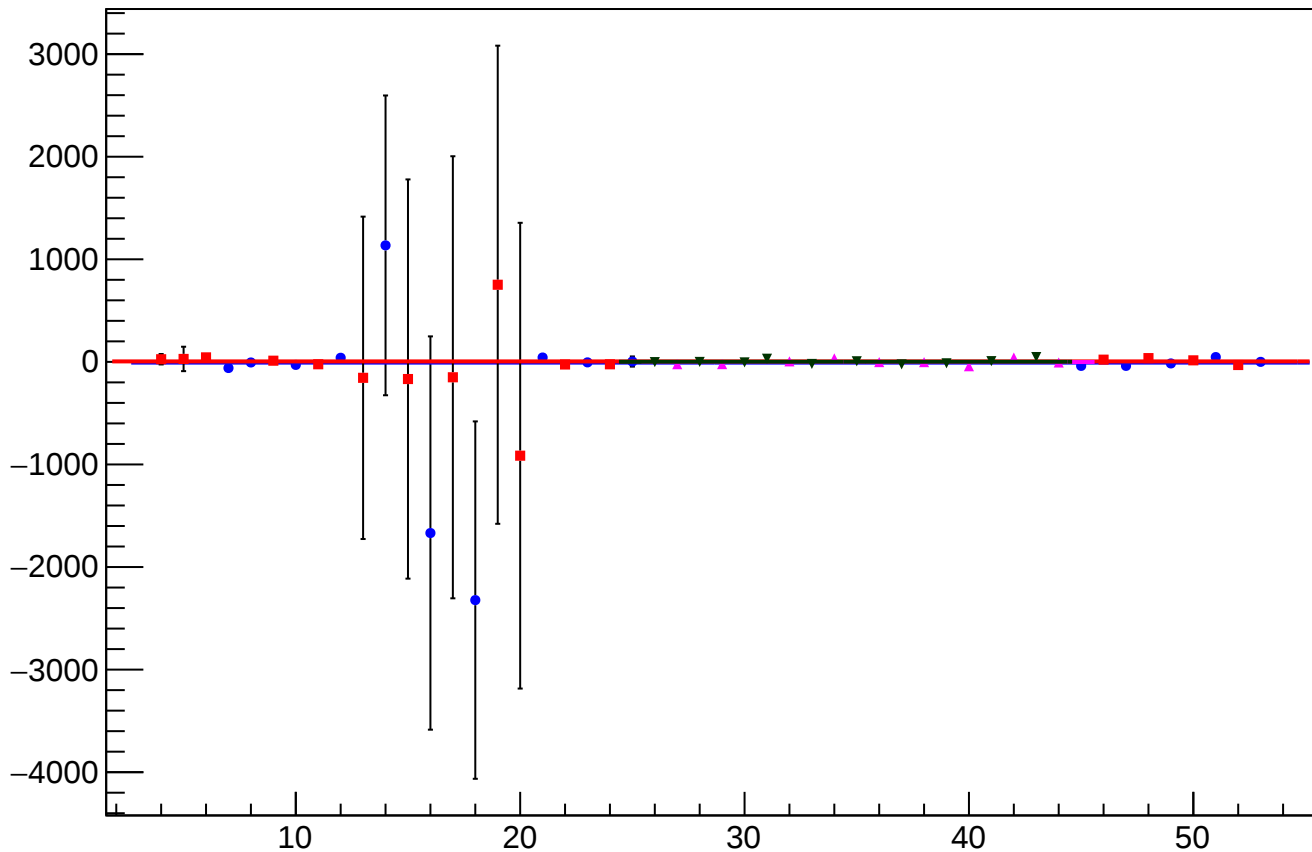
Right Out: 141.642+/-0.042 χ^2/NDF : 5065052.1/15

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

139.447+/-0.028 χ^2/NDF : 4748341.8/24

128.028+/-0.027 χ^2/NDF : 5625575.4/24

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs slug



Right In: -7.099+/-8.572 χ^2/NDF : 15.4/14

Left Out: 1.170+/-9.255 χ^2/NDF : 5.3/9

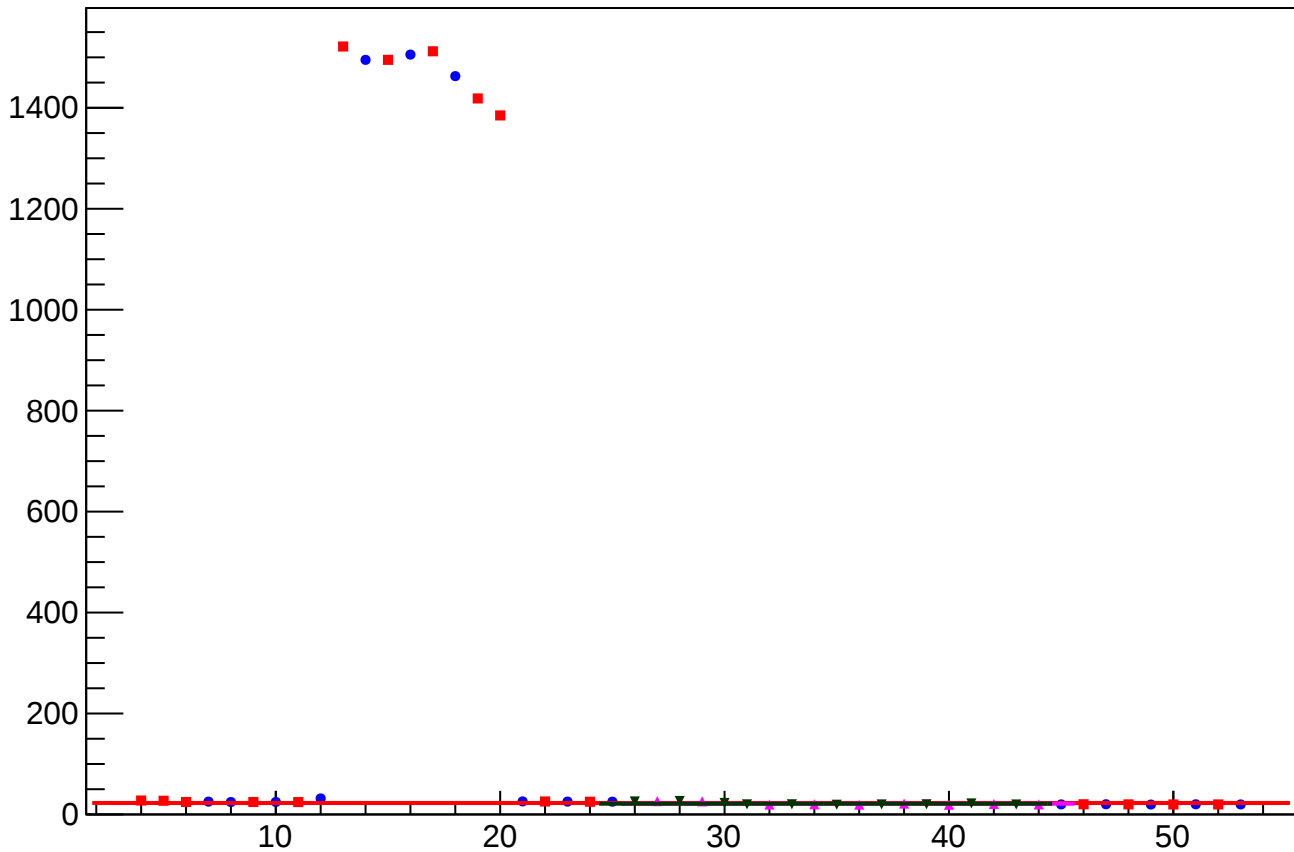
Right Out: 4.626+/-9.669 χ^2/NDF : 7.8/15

Left In: -1.613+/-9.046 χ^2/NDF : 7.3/8

-3.281+/-6.289 χ^2/NDF : 21.1/24

1.299+/-6.606 χ^2/NDF : 15.3/24

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs slug



Right In: 22.658+/-0.006 χ^2/NDF : 4871117.3/14

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

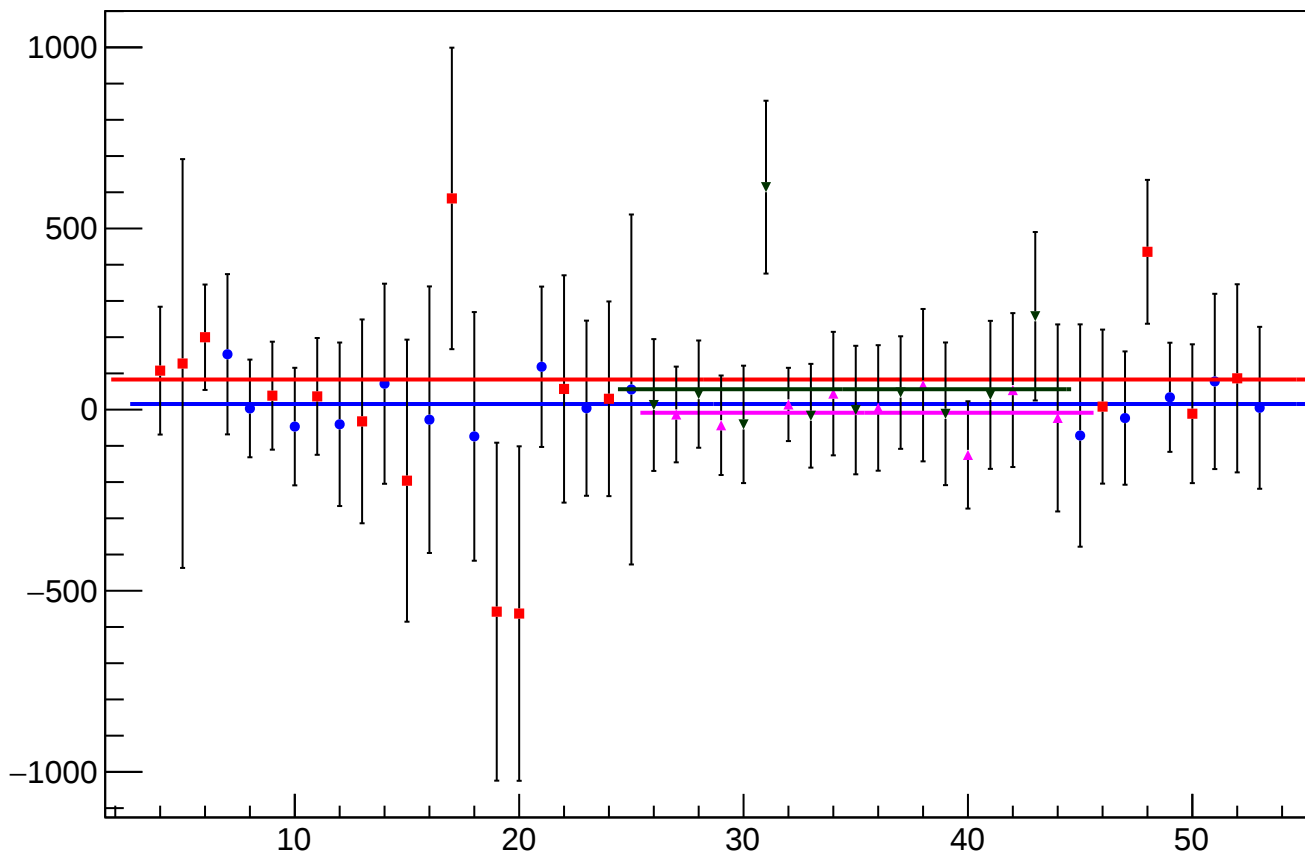
Right Out: 22.792+/-0.007 χ^2/NDF : 5507631.2/15

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

22.029+/-0.004 χ^2/NDF : 5023445.2/24

22.000+/-0.005 χ^2/NDF : 5692659.8/24

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs slug



Right In: 15.505+/-55.452 χ^2/NDF : 1.2/14

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

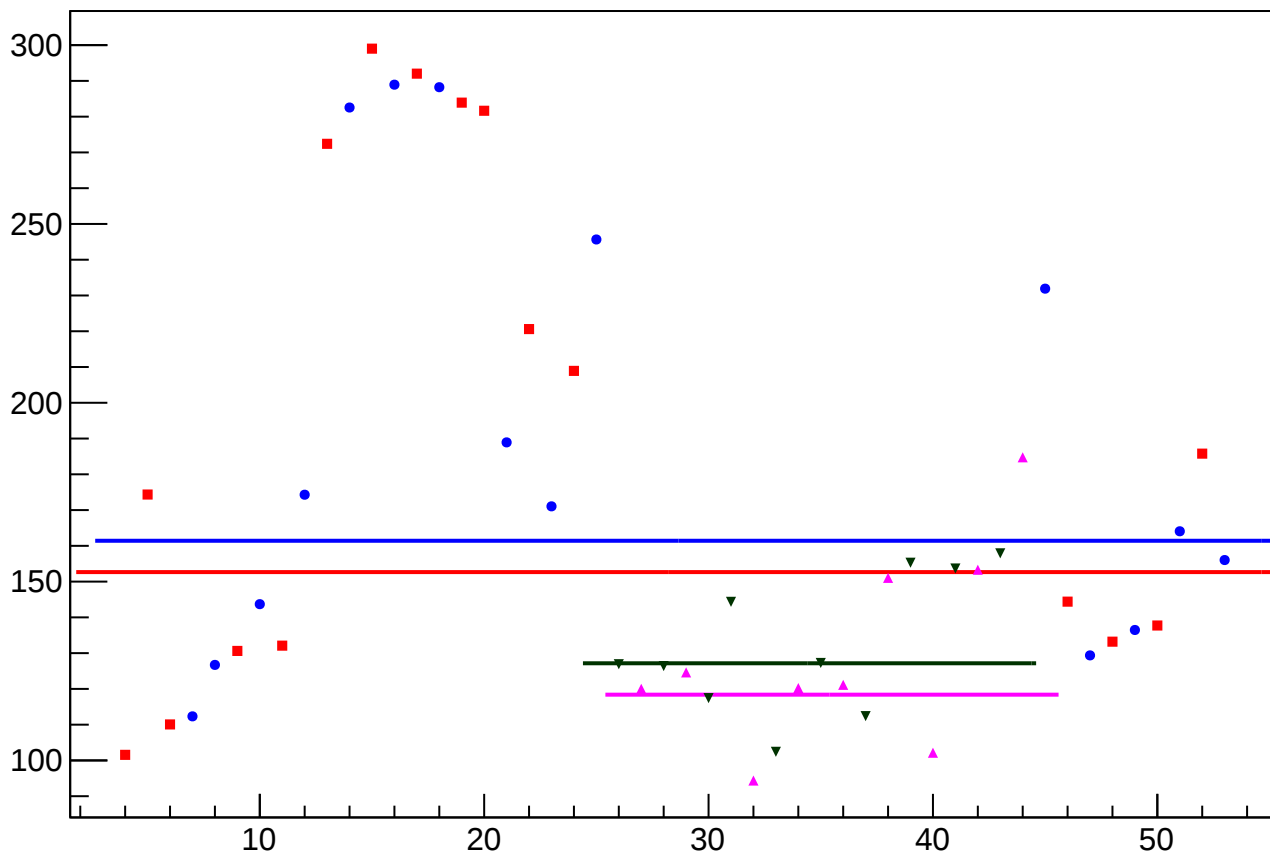
Right Out: 83.144+/-56.445 χ^2/NDF : 10.4/15

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

35.797+/-39.316 χ^2/NDF : 8.6/24

32.797+/-37.930 χ^2/NDF : 12.9/24

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs slug



Right In: 161.420+/-0.039 χ^2/NDF : 1476857.0/14

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

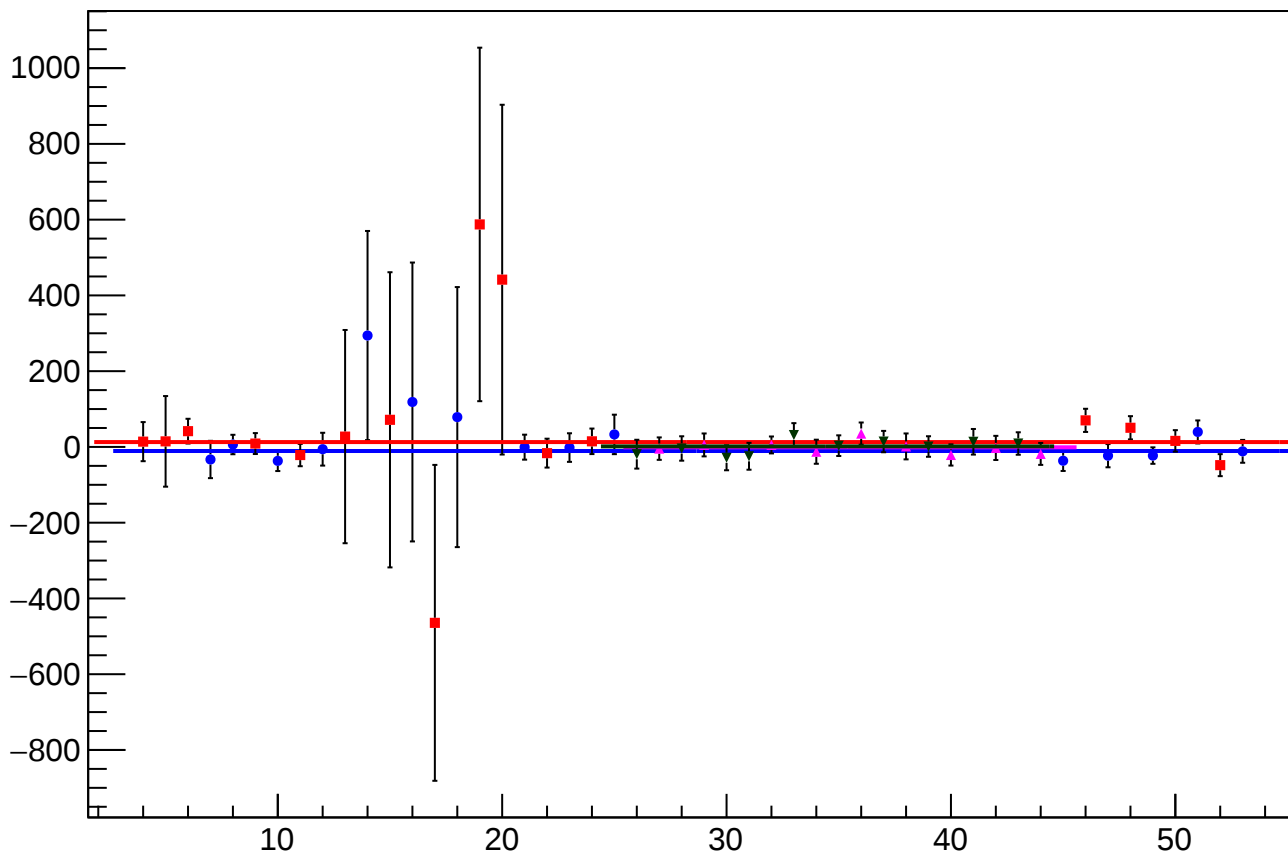
144.385+/-0.028 χ^2/NDF : 2061272.5/24

Right Out: 152.660+/-0.040 χ^2/NDF : 1850561.3/15

133.864+/-0.027 χ^2/NDF : 2631390.0/24

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

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs slug



Right In: -10.768 ± 8.903 χ^2/NDF : 8.0/14

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

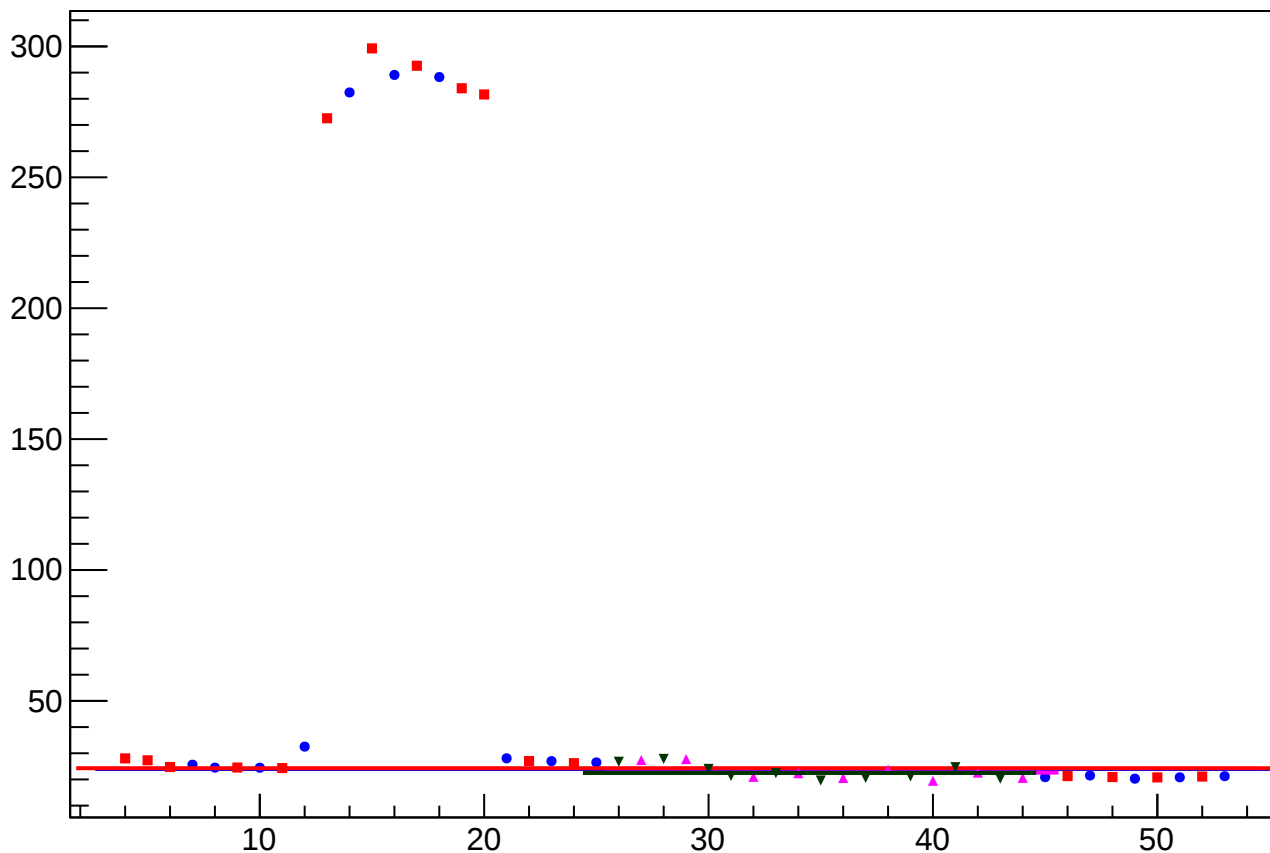
Right Out: 12.827 ± 9.994 χ^2/NDF : 15.9/15

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

-5.271 ± 6.597 χ^2/NDF : 11.9/24

5.669 ± 6.948 χ^2/NDF : 19.6/24

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs slug



Right In: 23.981+/-0.006 χ^2 /NDF: 4241407.8/14

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

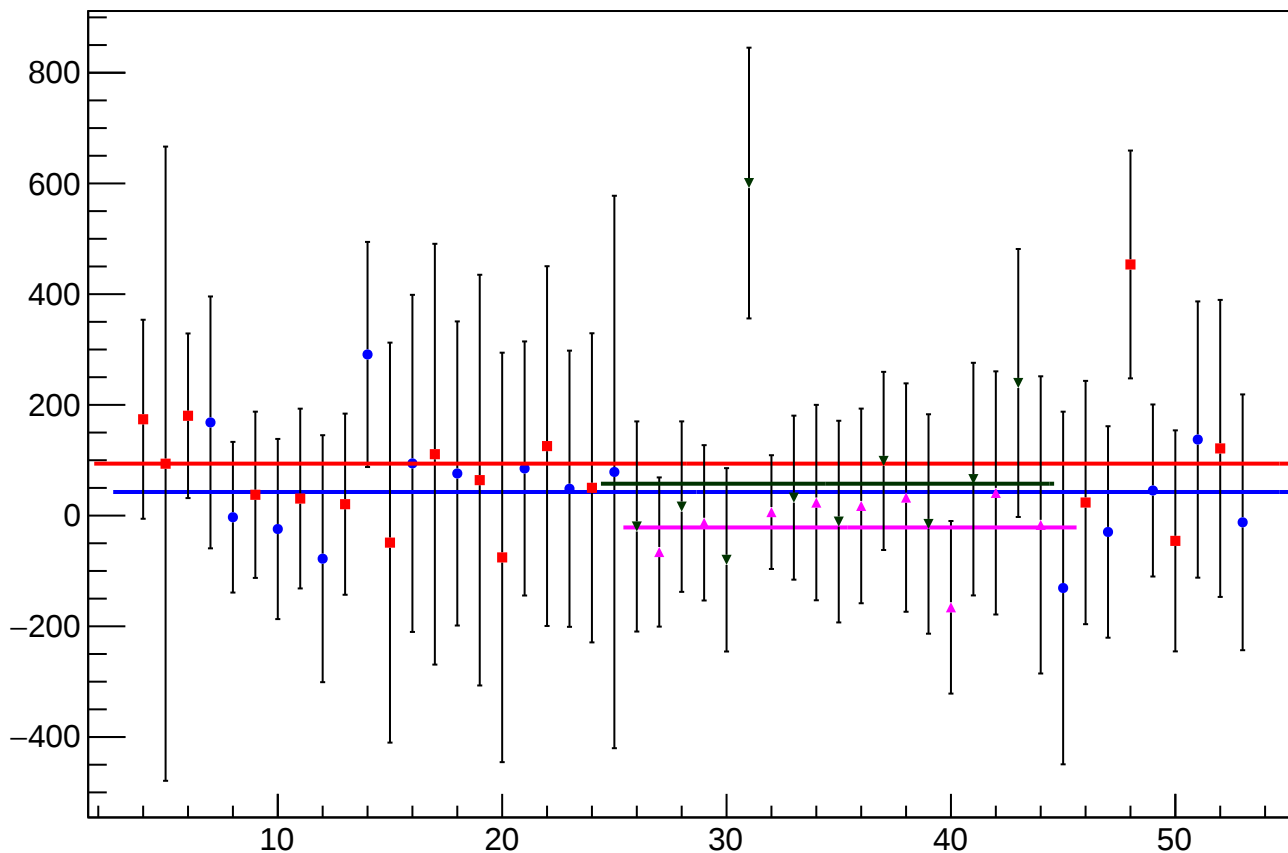
Right Out: 24.283+/-0.007 χ^2 /NDF: 4748863.1/15

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

23.299+/-0.005 χ^2 /NDF: 4410319.0/24

23.413+/-0.005 χ^2 /NDF: 4946309.4/24

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs slug



Right In: 42.624+/-54.885 χ^2/NDF : 3.1/14

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

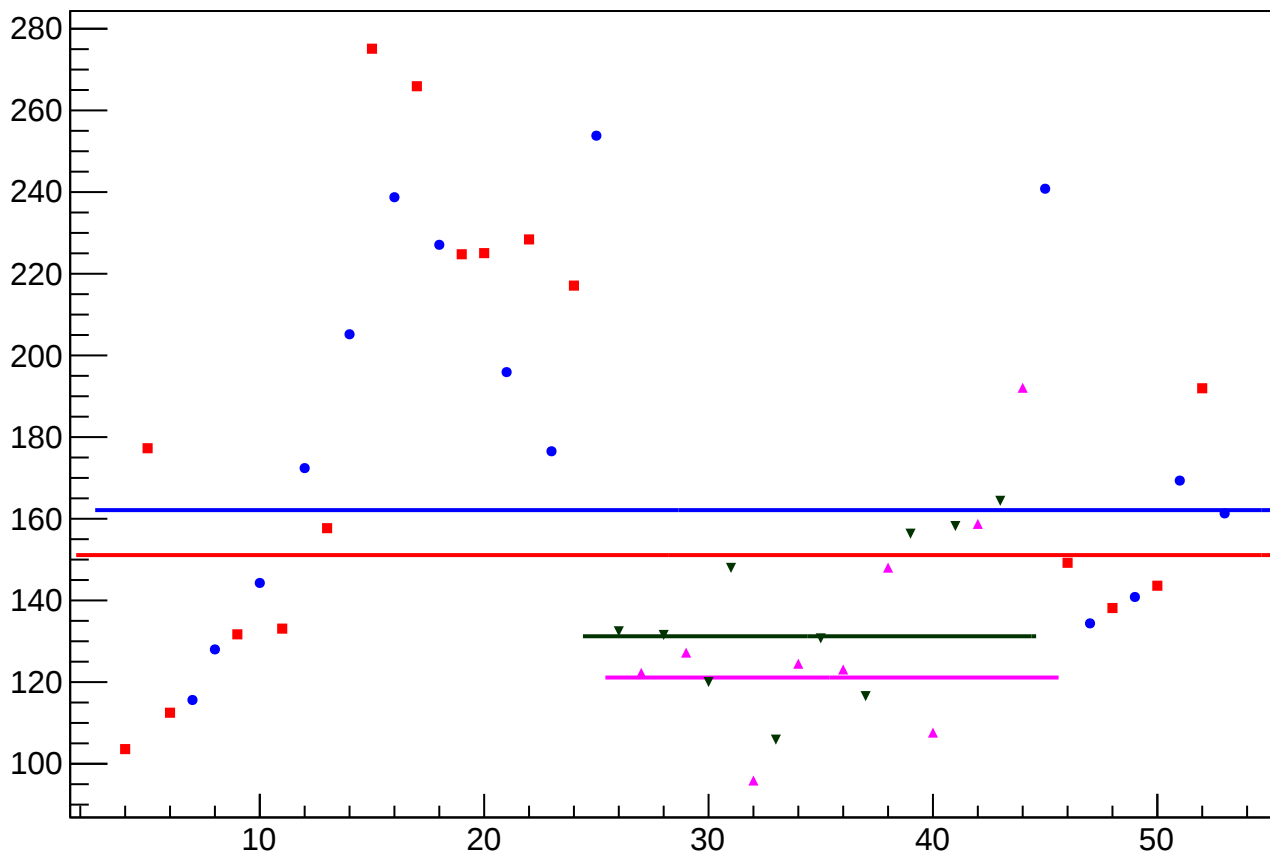
Right Out: 93.858+/-54.747 χ^2/NDF : 5.1/15

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

49.764+/-39.697 χ^2/NDF : 9.9/24

33.689+/-37.852 χ^2/NDF : 8.7/24

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs slug



Right In: 162.116 $\pm$ 0.039 χ^2 /NDF: 886815.7/14

Left Out: 131.227 $\pm$ 0.041 χ^2 /NDF:196358.6/9

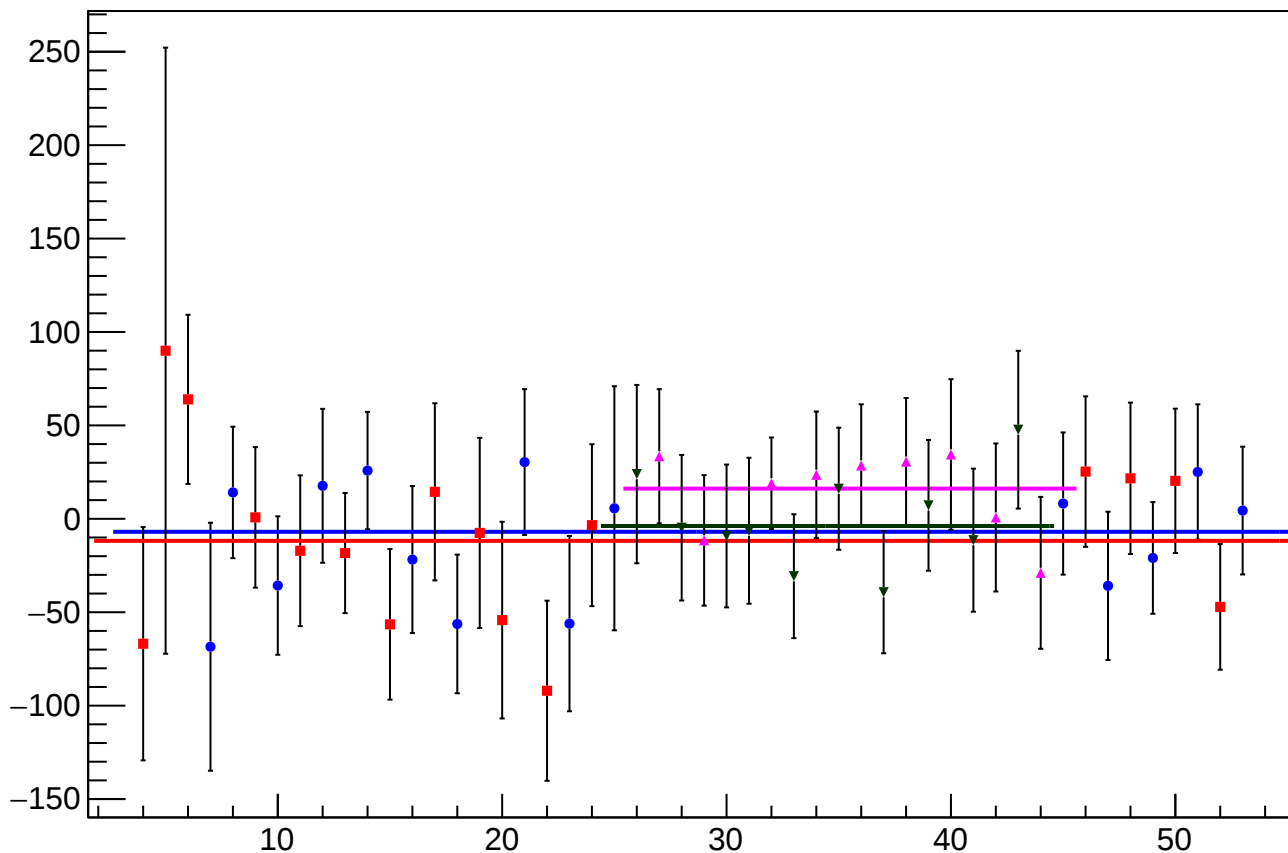
147.386 $\pm$ 0.028 χ^2 /NDF: 1385282.6/24

Right Out: 151.105 $\pm$ 0.039 χ^2 /NDF: 1199151.8/15

135.455 $\pm$ 0.027 χ^2 /NDF: 1885168.4/24

Left In: 121.121 $\pm$ 0.037 χ^2 /NDF:372893.0/8

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs slug



Right In: -6.948 ± 9.928 χ^2/NDF : 9.0/14

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

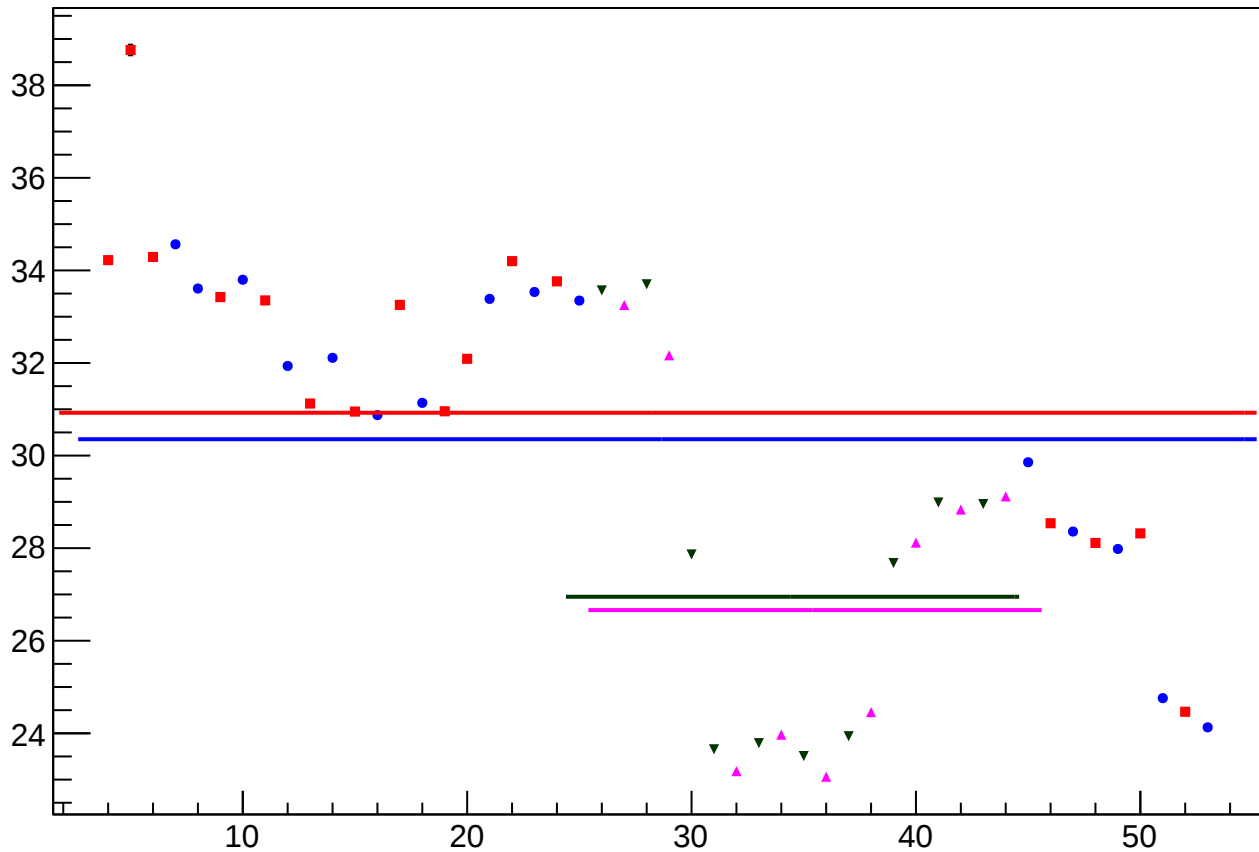
Right Out: -11.797 ± 10.771 χ^2/NDF : 12.5/15

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

-5.651 ± 7.575 χ^2/NDF : 13.3/24

1.473 ± 7.808 χ^2/NDF : 18.5/24

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs slug



Right In: 30.353+/-0.007 χ^2 /NDF: 210367.5/14

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

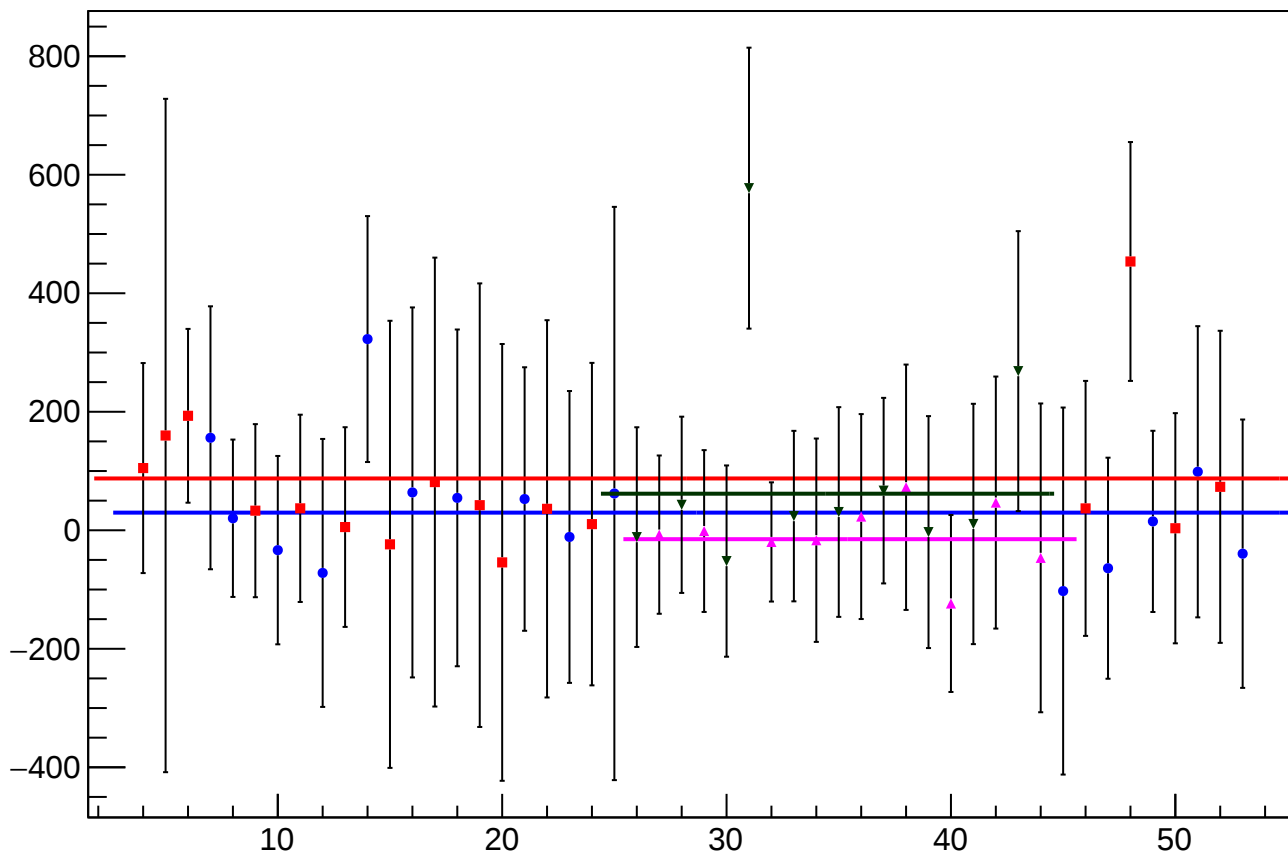
28.932+/-0.005 χ^2 /NDF: 490859.2/24

Right Out: 30.925+/-0.008 χ^2 /NDF: 160589.4/15

28.902+/-0.006 χ^2 /NDF: 527726.1/24

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

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs slug



Right In: 29.785 $\pm$ 54.151 χ^2 /NDF: 3.4/14

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

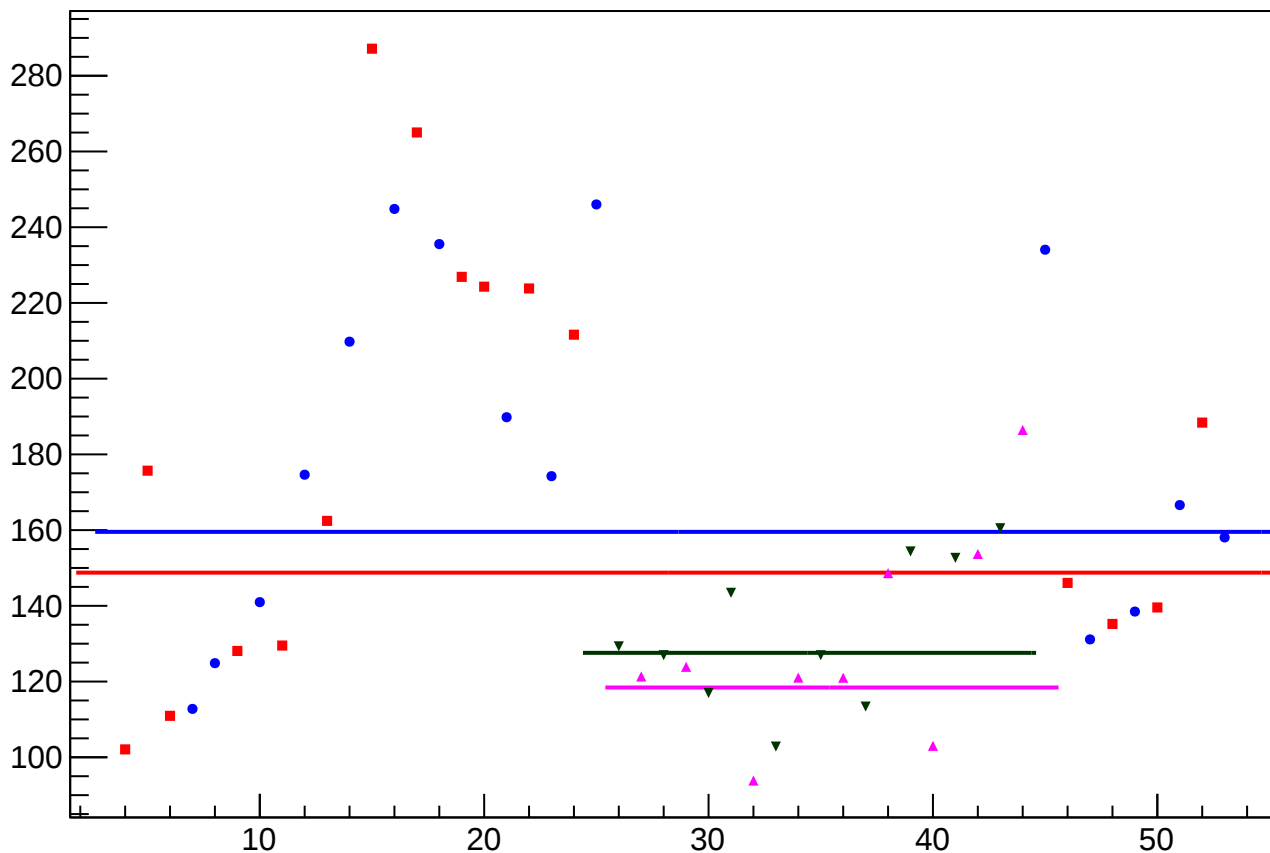
Right Out: 87.449 $\pm$ 54.028 χ^2 /NDF: 4.9/15

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

45.248 $\pm$ 38.899 χ^2 /NDF: 10.0/24

33.497 $\pm$ 37.177 χ^2 /NDF: 7.7/24

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs slug



Right In: 159.538 $\pm$ 0.038 χ^2 /NDF: 980908.7/14

Left Out: 127.584 $\pm$ 0.040 χ^2 /NDF: 200343.9/9

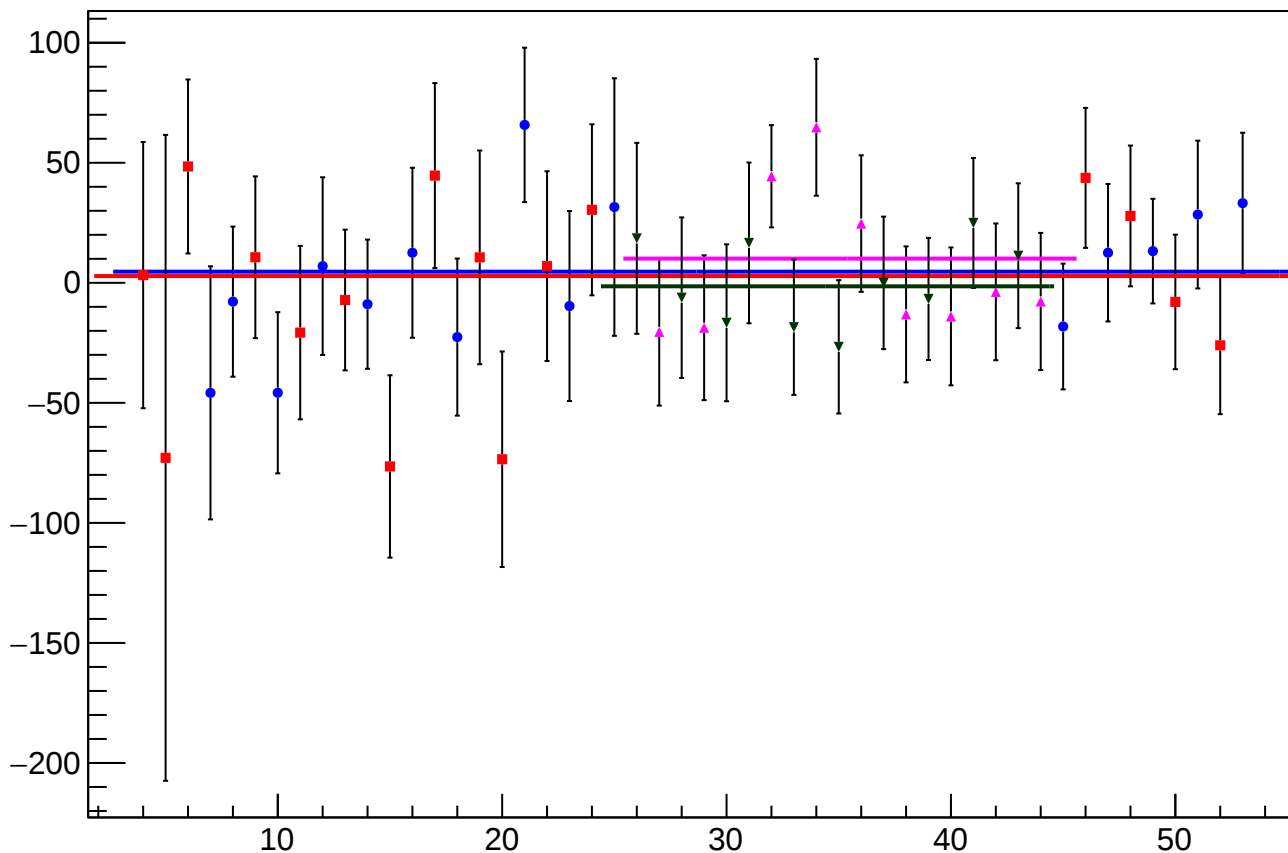
144.072 $\pm$ 0.028 χ^2 /NDF: 1518301.0/24

Right Out: 148.770 $\pm$ 0.038 χ^2 /NDF: 1264798.5/15

132.795 $\pm$ 0.026 χ^2 /NDF: 1976465.1/24

Left In: 118.429 $\pm$ 0.036 χ^2 /NDF: 379567.1/8

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs slug



Right In: 4.646 ± 8.146 χ^2/NDF : 10.9/14

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

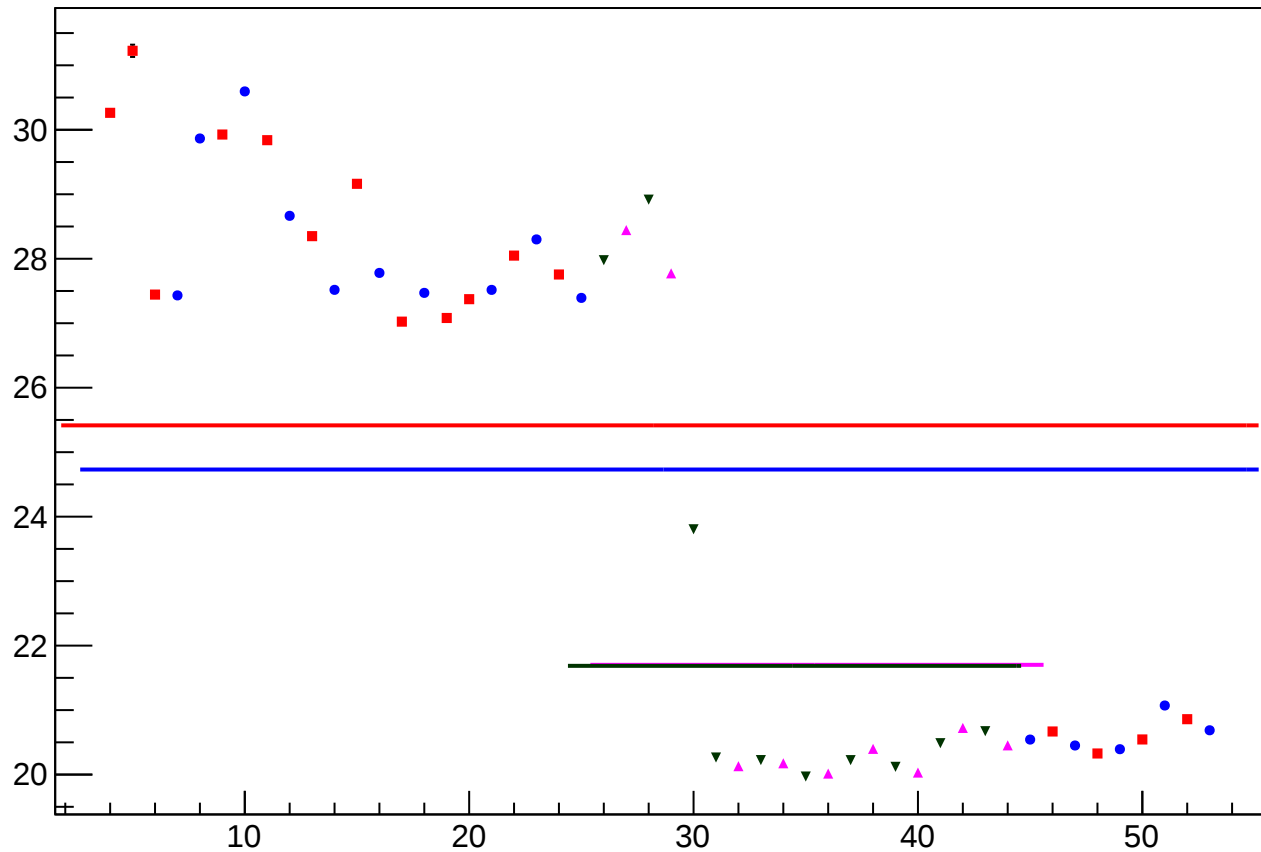
Right Out: 2.815 ± 8.916 χ^2/NDF : 15.4/15

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

2.040 ± 6.166 χ^2/NDF : 14.2/24

6.324 ± 6.411 χ^2/NDF : 26.2/24

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs slug



Right In: 24.731+/-0.006 χ^2/NDF : 470814.0/14

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

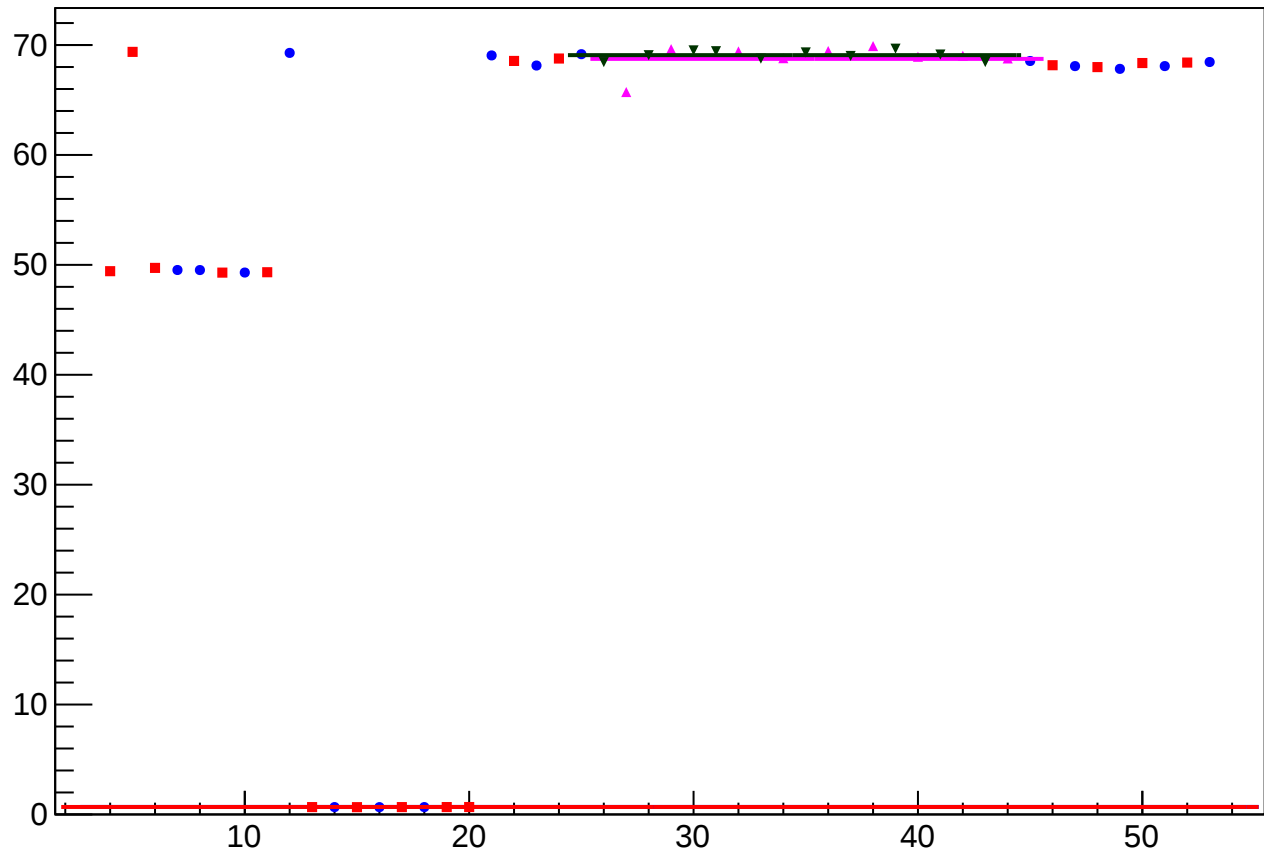
Right Out: 25.416+/-0.006 χ^2/NDF : 382427.7/15

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

23.431+/-0.004 χ^2/NDF : 778089.7/24

23.622+/-0.005 χ^2/NDF : 768303.4/24

yield_bcm_an_ds_mean vs slug



Right In: 0.684+/-0.000 χ^2/NDF : 822900072162.5/14

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

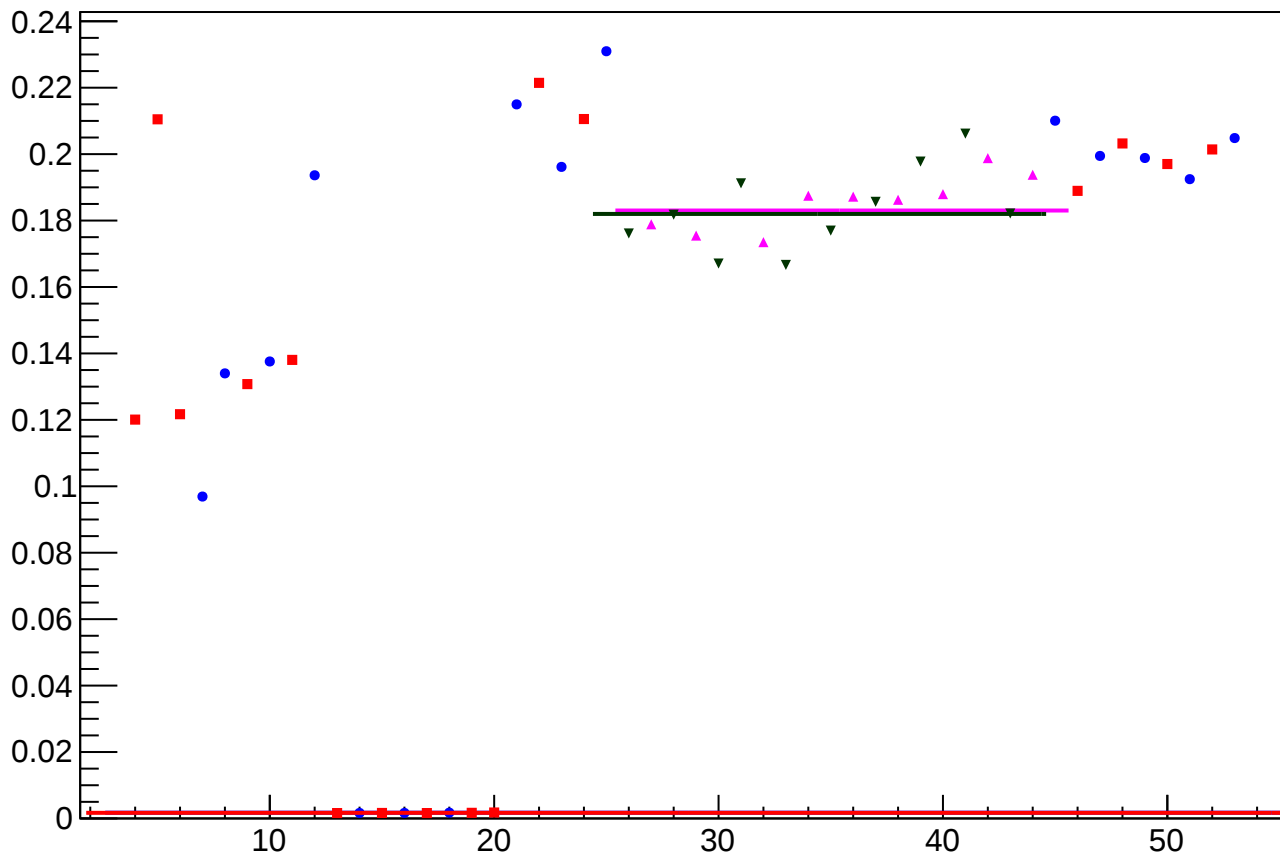
0.697+/-0.000 χ^2/NDF : 1551765244748.1/24

Right Out: 0.681+/-0.000 χ^2/NDF : 669886581871.7/15

0.692+/-0.000 χ^2/NDF : 1420022393502.7/24

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 : 13372171.9/14

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

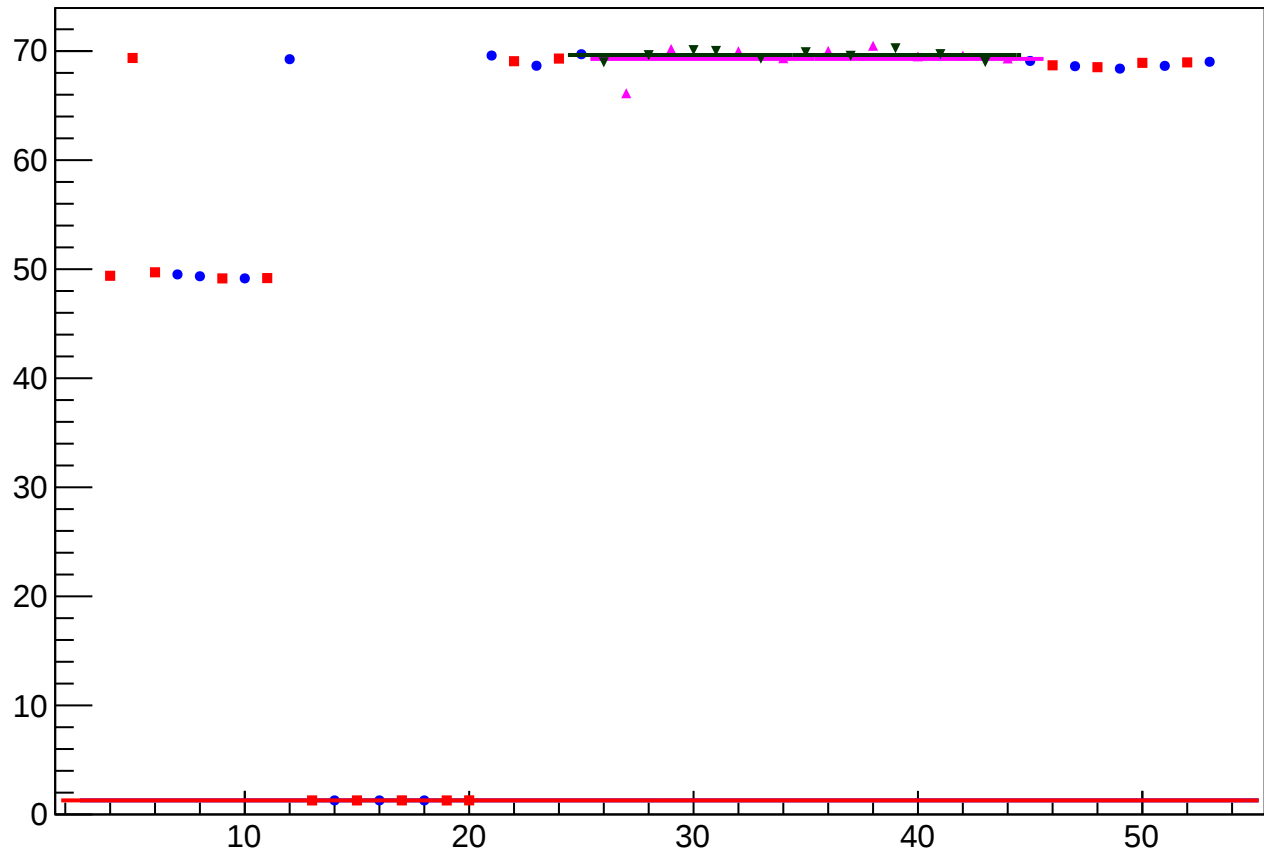
Right Out: 0.002+/-0.000 χ^2/NDF : 10546620.7/15

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

0.002+/-0.000 χ^2/NDF : 23540676.8/24

0.002+/-0.000 χ^2/NDF : 21212867.8/24

yield_bcm_an_ds3_mean vs slug



Right In: 1.291 $\pm$ 0.000 χ^2/NDF : 806446315599.3/14

Left Out: 69.640 $\pm$ 0.000 χ^2/NDF : 25576787.7/9

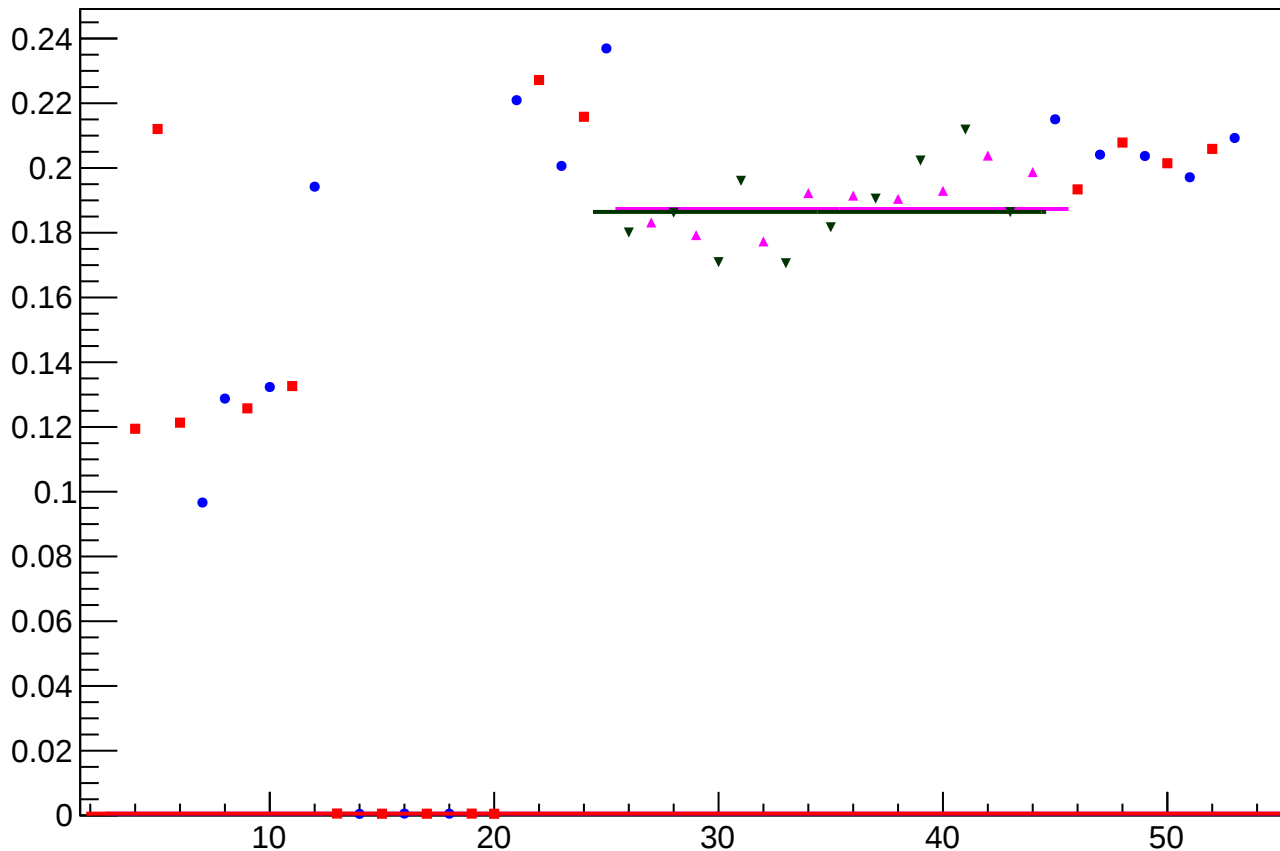
1.292 $\pm$ 0.000 χ^2/NDF : 1500008633783.2/24

Right Out: 1.290 $\pm$ 0.000 χ^2/NDF : 659604322078.0/15

1.291 $\pm$ 0.000 χ^2/NDF : 1374124807015.7/24

Left In: 69.283 $\pm$ 0.000 χ^2/NDF : 304578930.7/8

yield_bcm_an_ds3_rms vs slug



Right In: 0.001+/-0.000 χ^2/NDF : 13572294.9/14

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

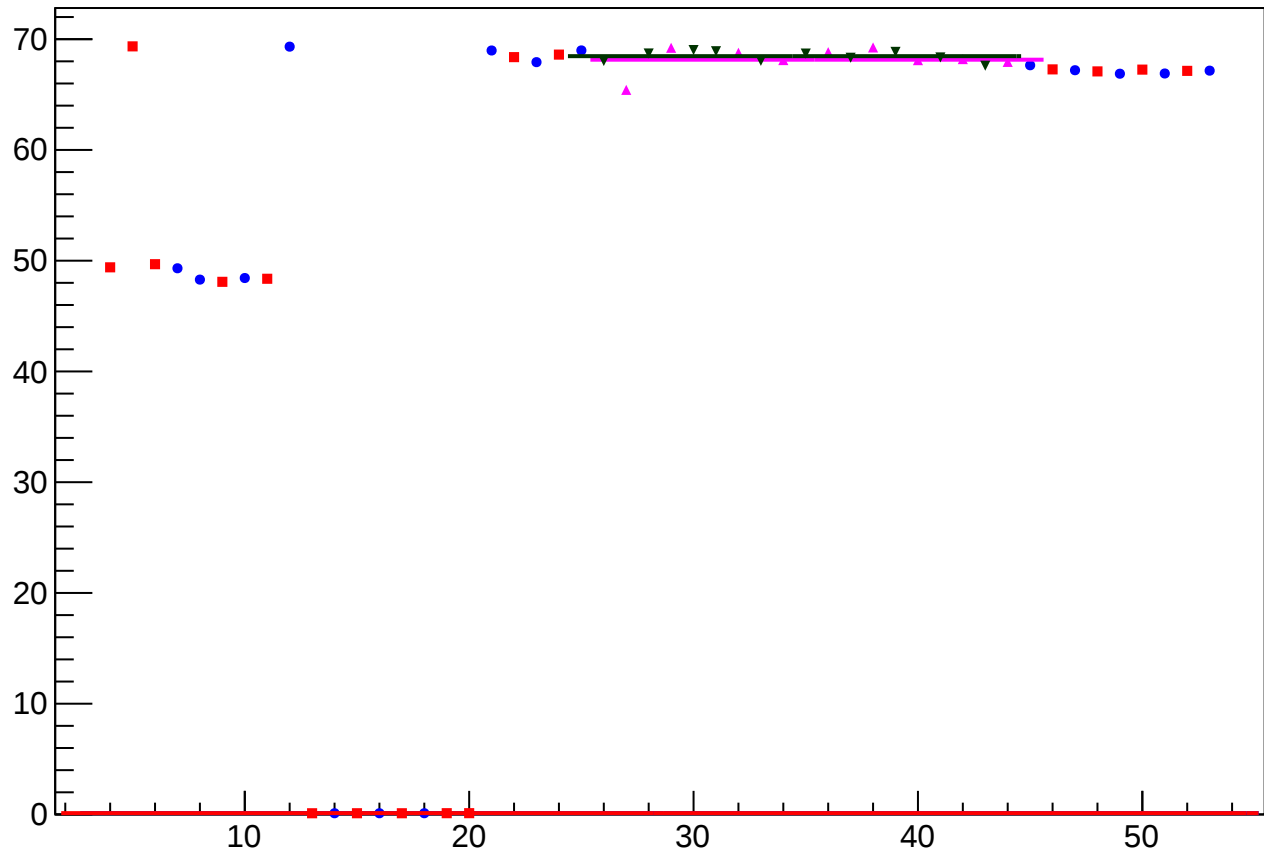
Right Out: 0.001+/-0.000 χ^2/NDF : 10697170.8/15

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

0.001+/-0.000 χ^2/NDF : 23877962.8/24

0.001+/-0.000 χ^2/NDF : 21497694.5/24

yield_bcm_an_us_mean vs slug



Right In: 0.123+/-0.000 χ^2/NDF : 852413648427.0/14

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

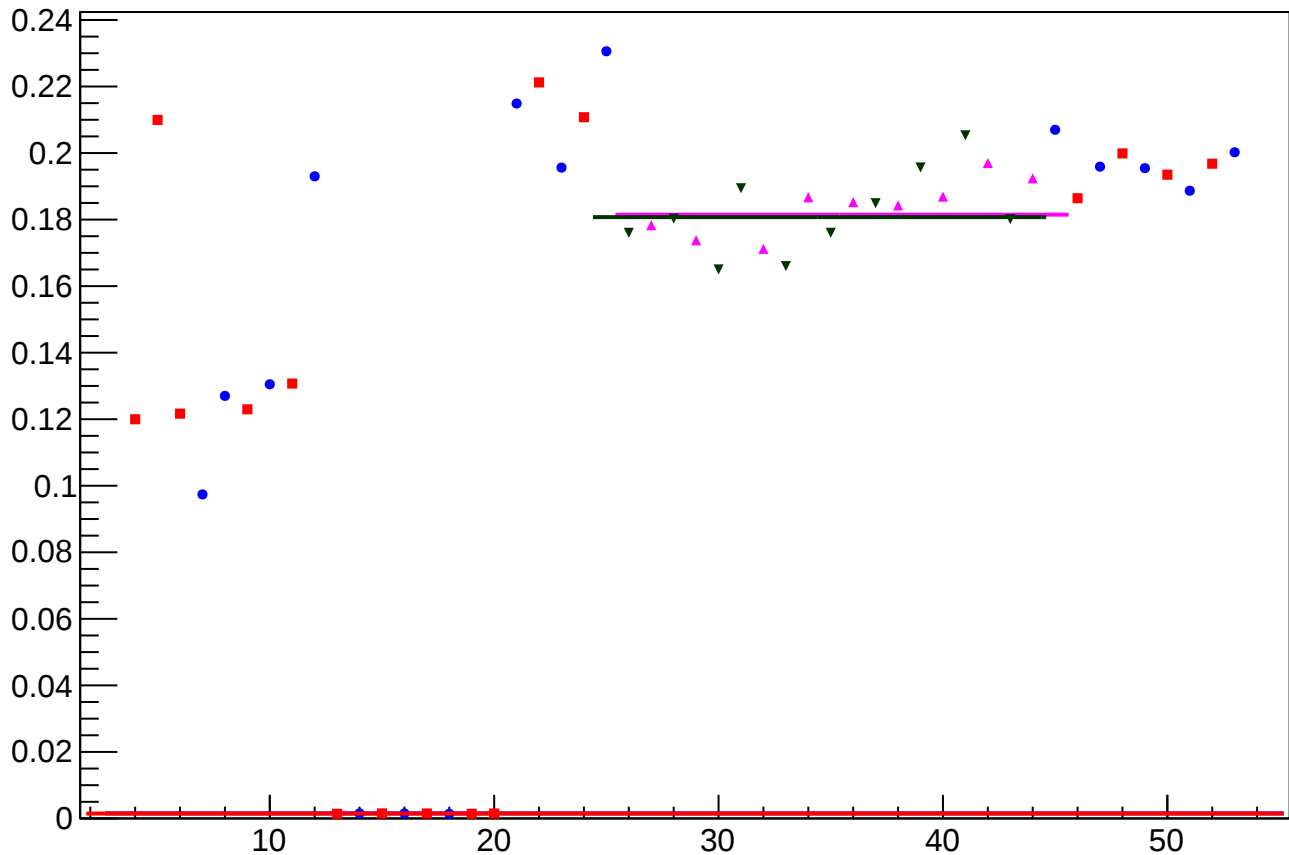
Right Out: 0.120+/-0.000 χ^2/NDF : 697104525639.5/15

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

0.134+/-0.000 χ^2/NDF : 1589040118276.4/24

0.128+/-0.000 χ^2/NDF : 1459031711713.6/24

yield_bcm_an_us_rms vs slug



Right In: 0.002+/-0.000 χ^2/NDF : 13389991.2/14

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

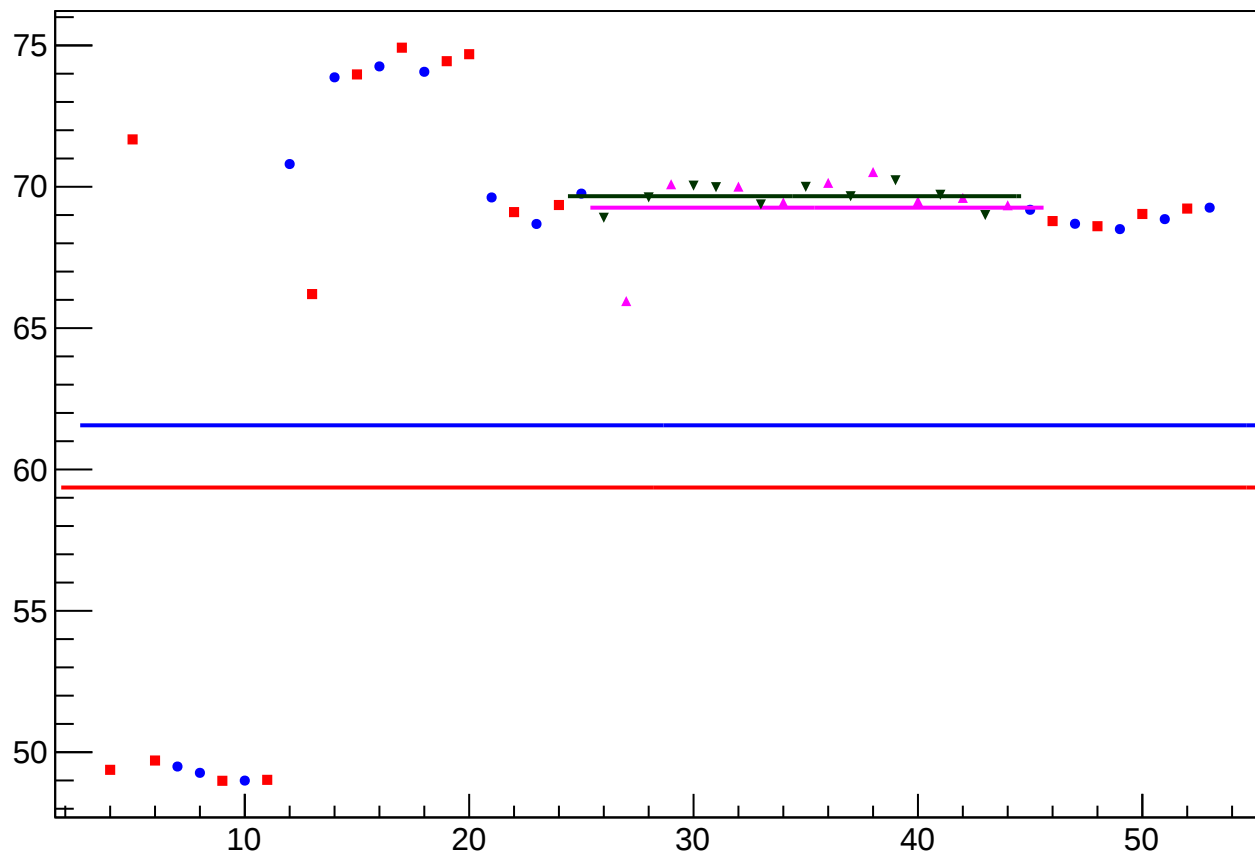
0.002+/-0.000 χ^2/NDF : 23563764.8/24

Right Out: 0.001+/-0.000 χ^2/NDF : 10565682.6/15

0.002+/-0.000 χ^2/NDF : 21252823.4/24

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

yield_bcm_dg_us_mean vs slug



Right In: 61.562 $\pm$ 0.000 χ^2/NDF : 31571263676.3/14

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

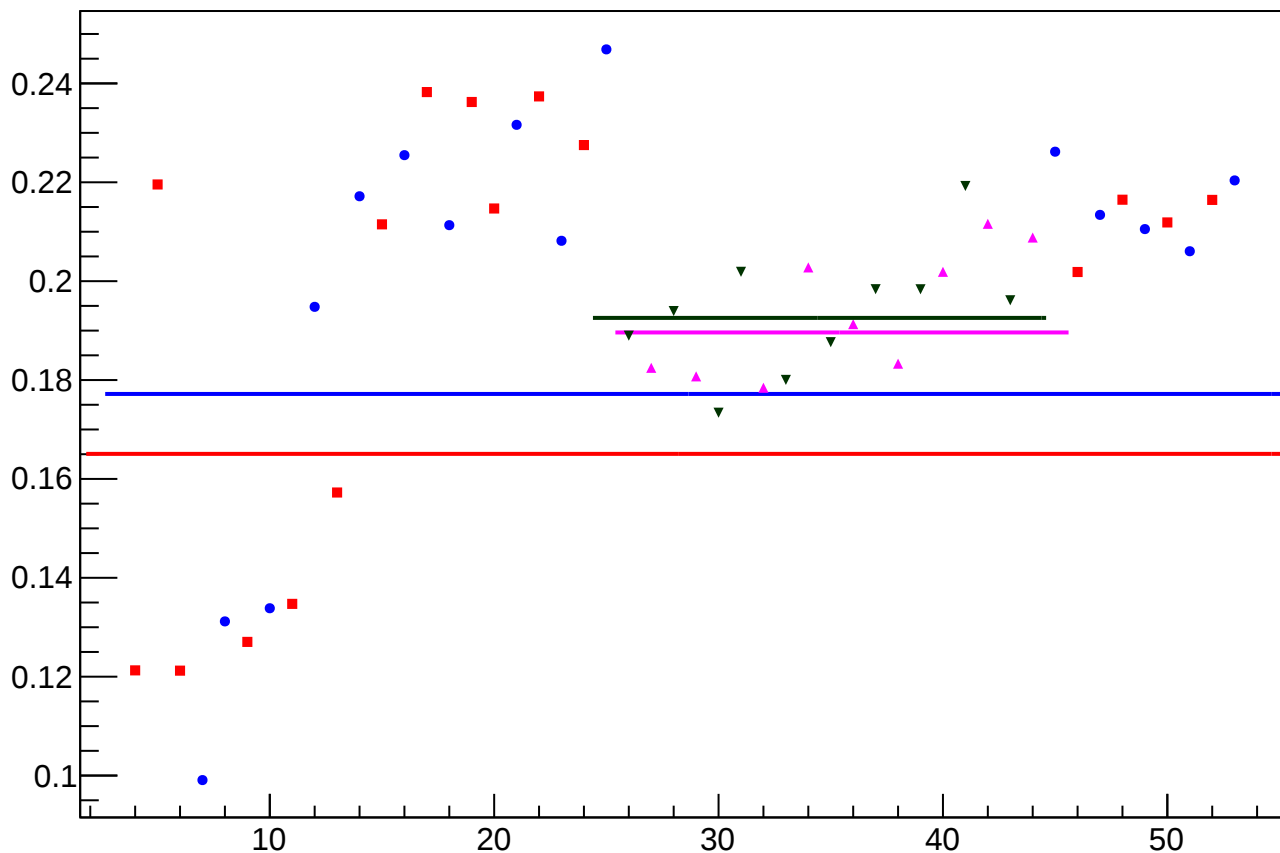
Right Out: 59.362 $\pm$ 0.000 χ^2/NDF : 30183551829.3/15

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

64.309 $\pm$ 0.000 χ^2/NDF : 37644288851.8/24

62.882 $\pm$ 0.000 χ^2/NDF : 40000747888.0/24

yield_bcm_dg_us_rms vs slug



Right In: 0.177+/-0.000 χ^2/NDF : 1152211.8/14

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

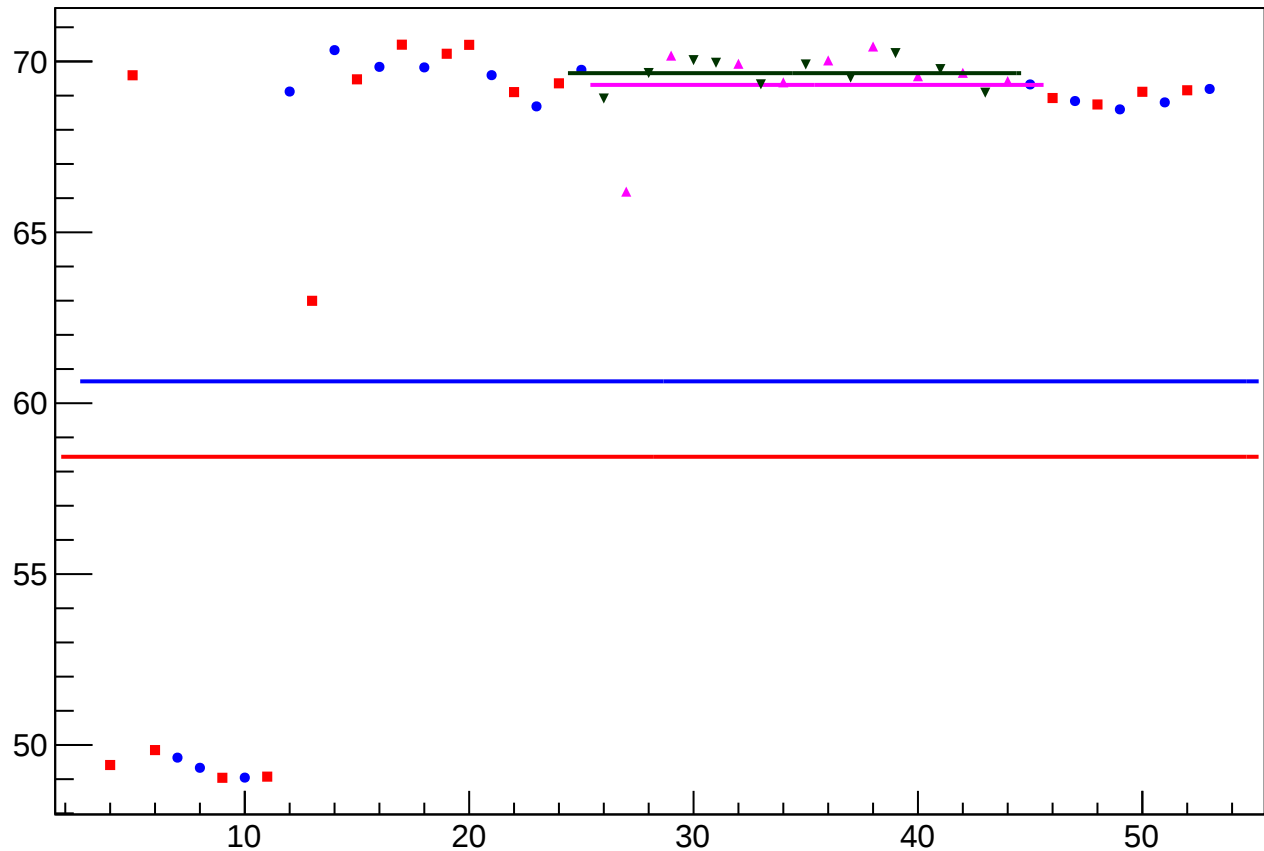
Right Out: 0.165+/-0.000 χ^2/NDF : 1059892.7/15

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

0.182+/-0.000 χ^2/NDF : 1234511.5/24

0.174+/-0.000 χ^2/NDF : 1218020.4/24

yield_bcm_dg_ds_mean vs slug



Right In: 60.640+/-0.000 χ^2/NDF : 28213173224.4/14

Left Out: 69.657+/-0.000 χ^2/NDF : 23922100.2/9

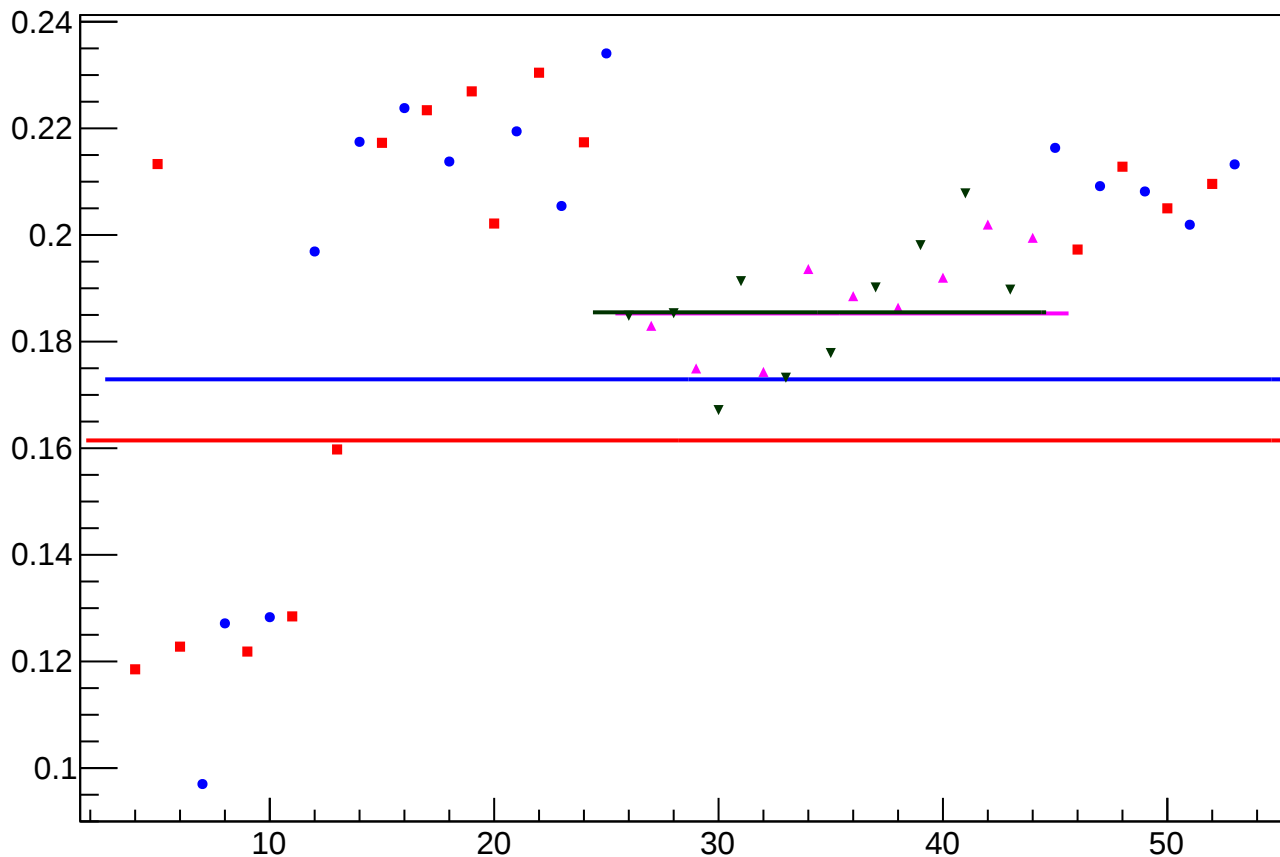
Right Out: 58.433+/-0.000 χ^2/NDF : 26030954643.6/15

Left In: 69.314+/-0.000 χ^2/NDF : 295096532.4/8

63.754+/-0.000 χ^2/NDF : 36234016691.4/24

62.313+/-0.000 χ^2/NDF : 38344100981.0/24

yield_bcm_dg_ds_rms vs slug



Right In: 0.173+/-0.000 χ^2/NDF : 1209341.8/14

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

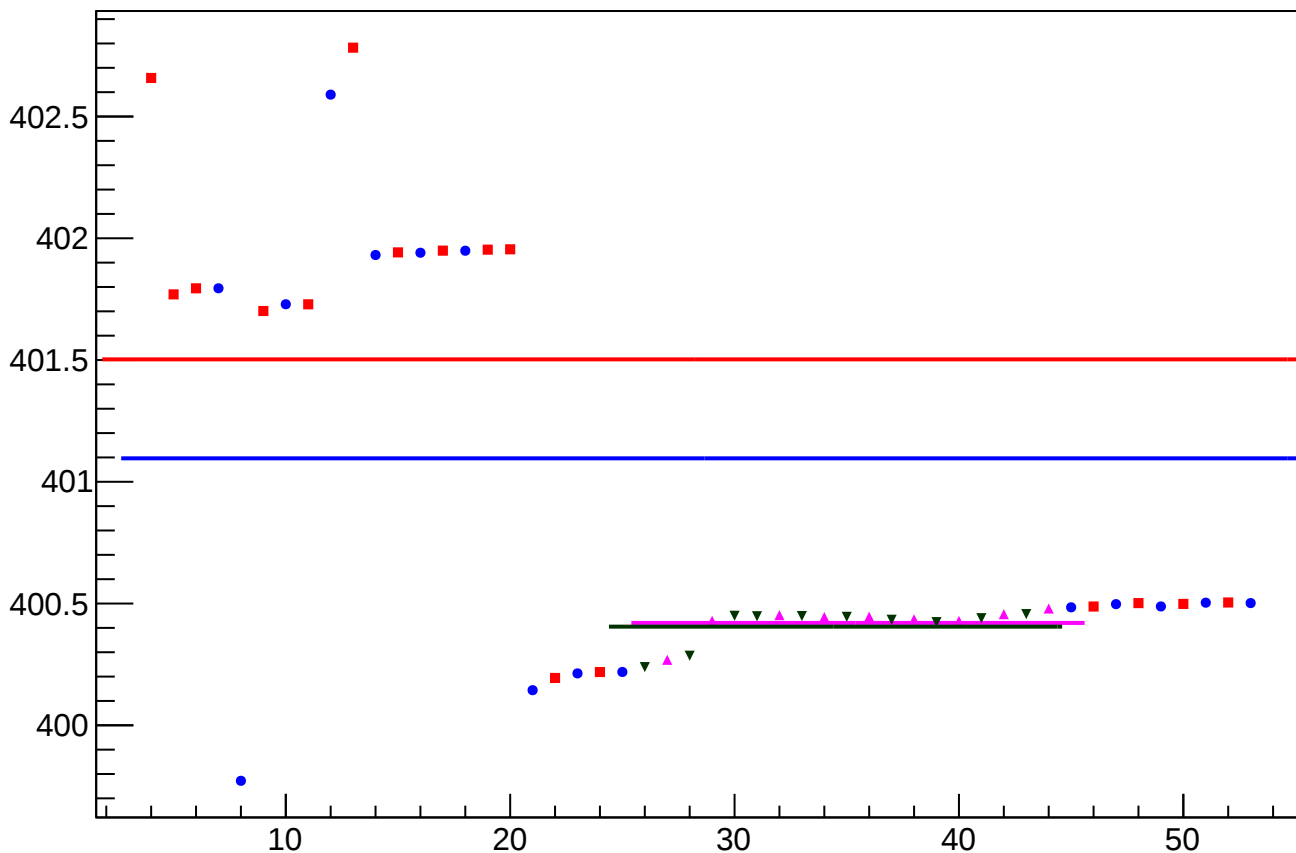
Right Out: 0.161+/-0.000 χ^2/NDF : 1034852.3/15

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

0.177+/-0.000 χ^2/NDF : 1279087.6/24

0.170+/-0.000 χ^2/NDF : 1177978.1/24

yield_cav4bQ_mean vs slug



Right In: 401.096+/-0.000 χ^2/NDF : 158414294458.8/14

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

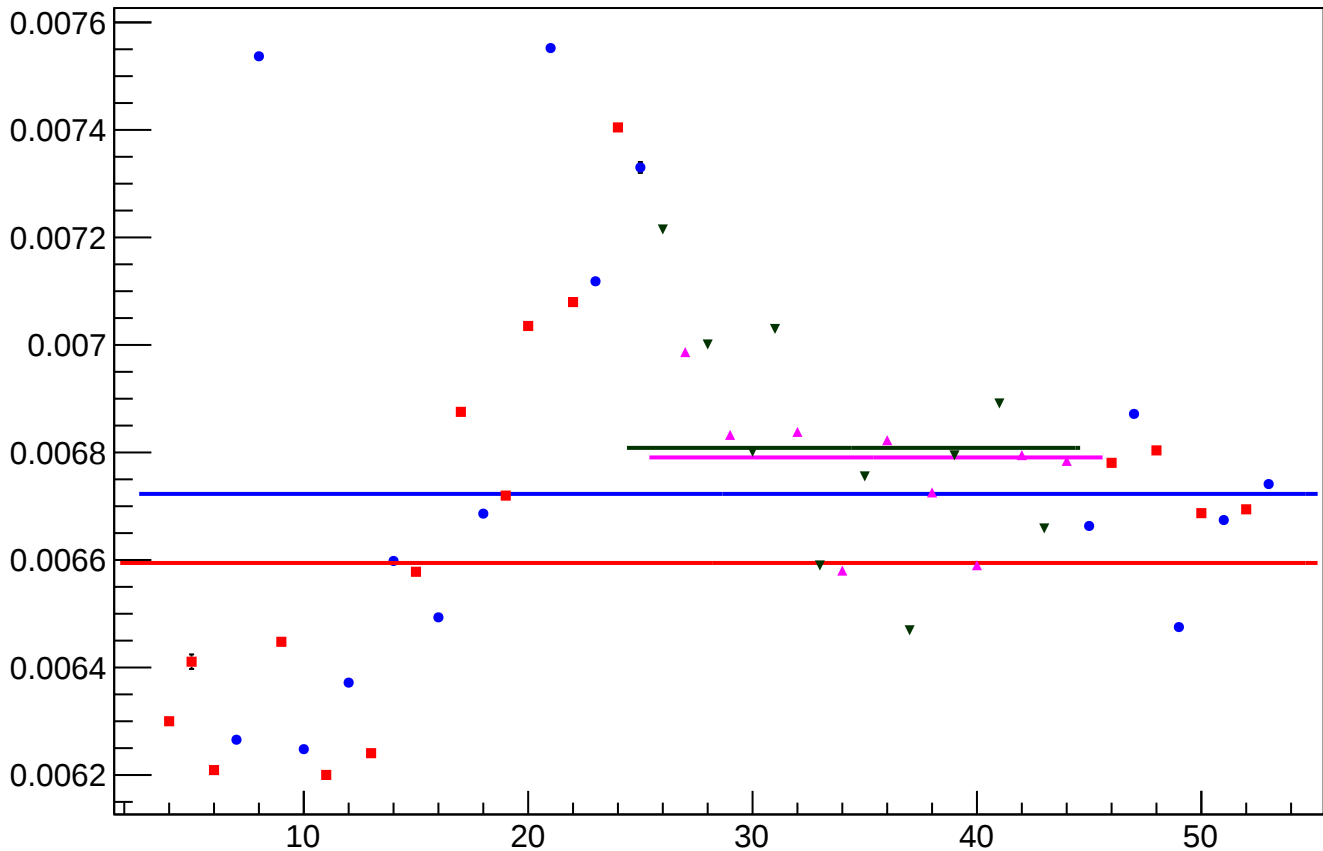
Right Out: 401.503+/-0.000 χ^2/NDF : 144316471816.2/15

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

400.848+/-0.000 χ^2/NDF : 194595199240.2/24

401.084+/-0.000 χ^2/NDF : 232638674225.6/24

yield_cav4bQ_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 66496.2/14

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

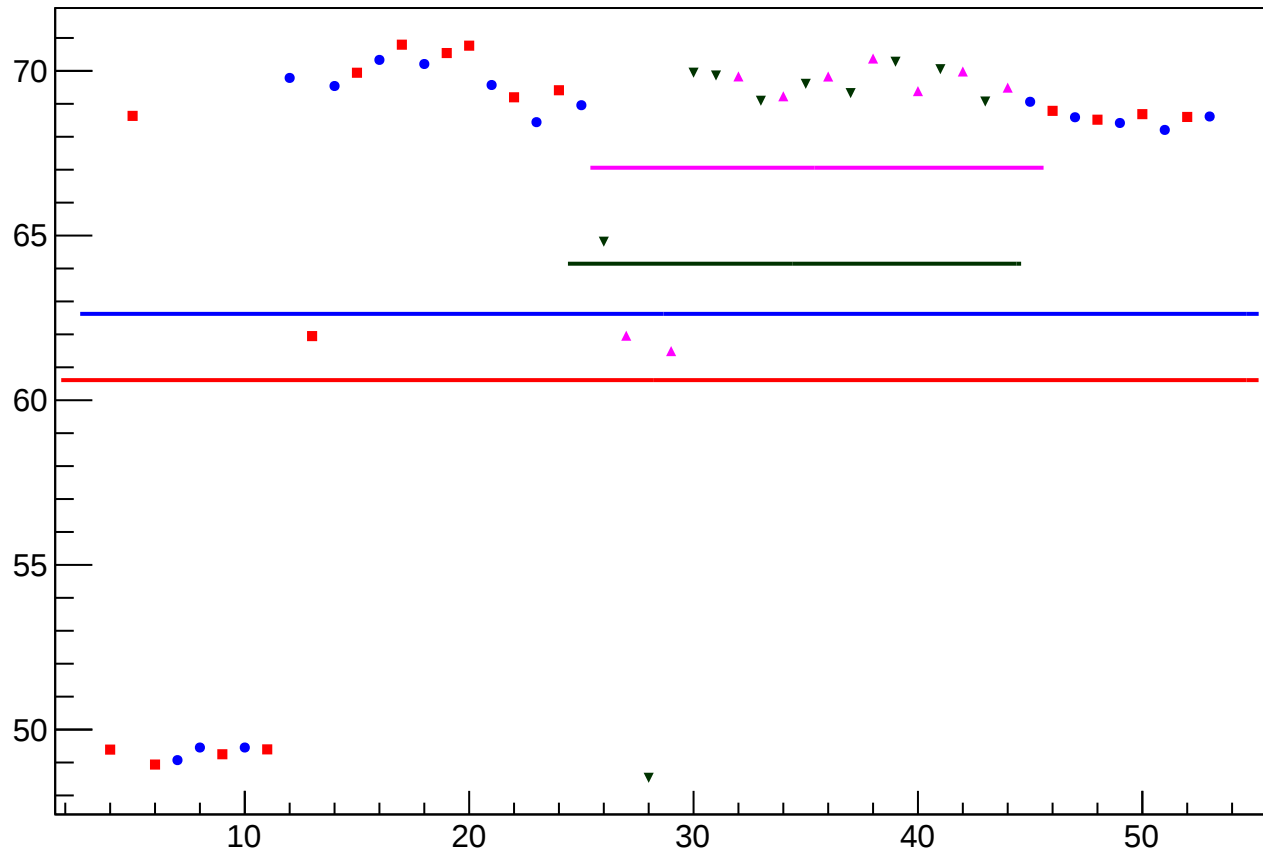
0.007+/-0.000 χ^2/NDF : 77370.7/24

Right Out: 0.007+/-0.000 χ^2/NDF : 44784.7/15

0.007+/-0.000 χ^2/NDF : 54106.6/24

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

yield_cav4cQ_mean vs slug



Right In: 62.623+/-0.000 χ^2/NDF : 16302432468.4/14

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

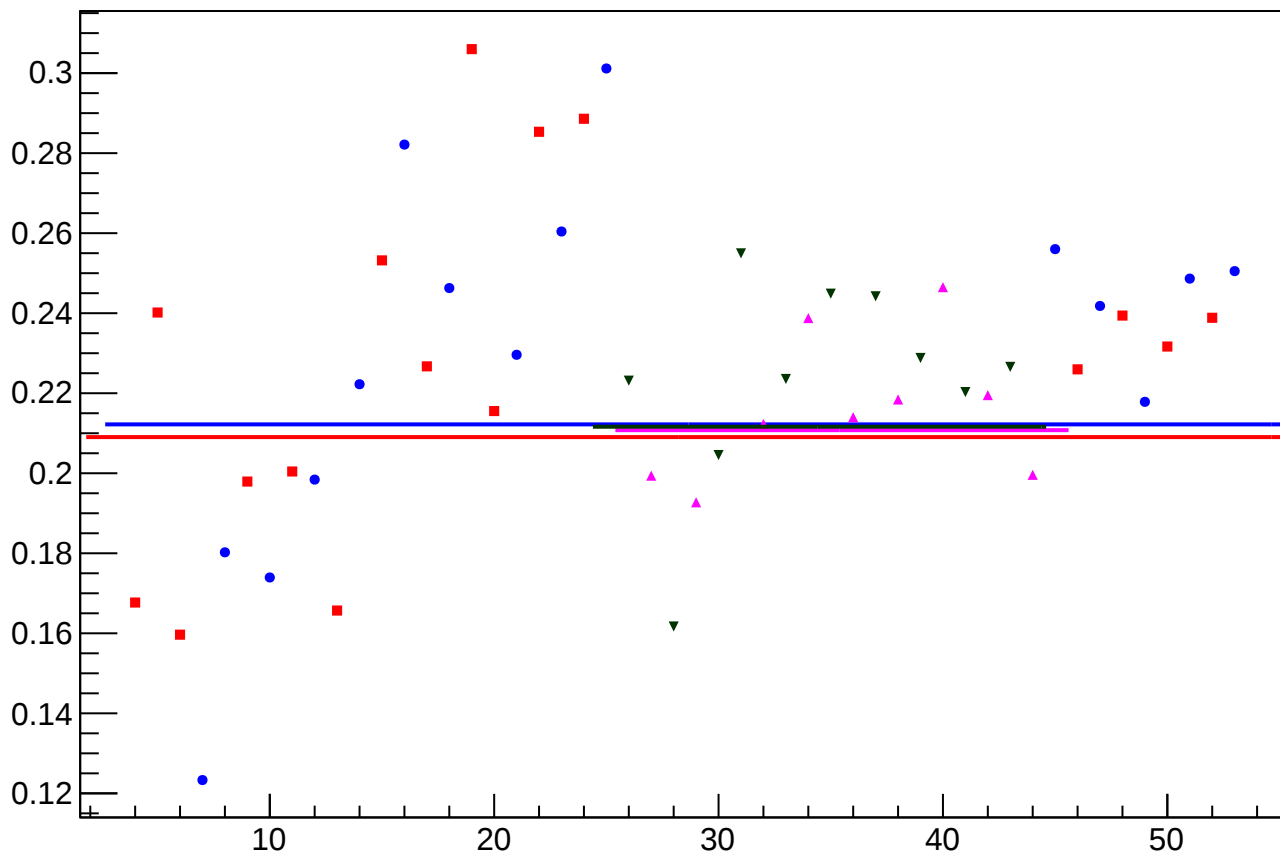
63.178+/-0.000 χ^2/NDF : 24992936980.4/24

Right Out: 60.611+/-0.000 χ^2/NDF : 14222826732.8/15

63.254+/-0.000 χ^2/NDF : 18674147719.2/24

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

yield_cav4cQ_rms vs slug



Right In: 0.212+/-0.000 χ^2/NDF : 621958.6/14

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

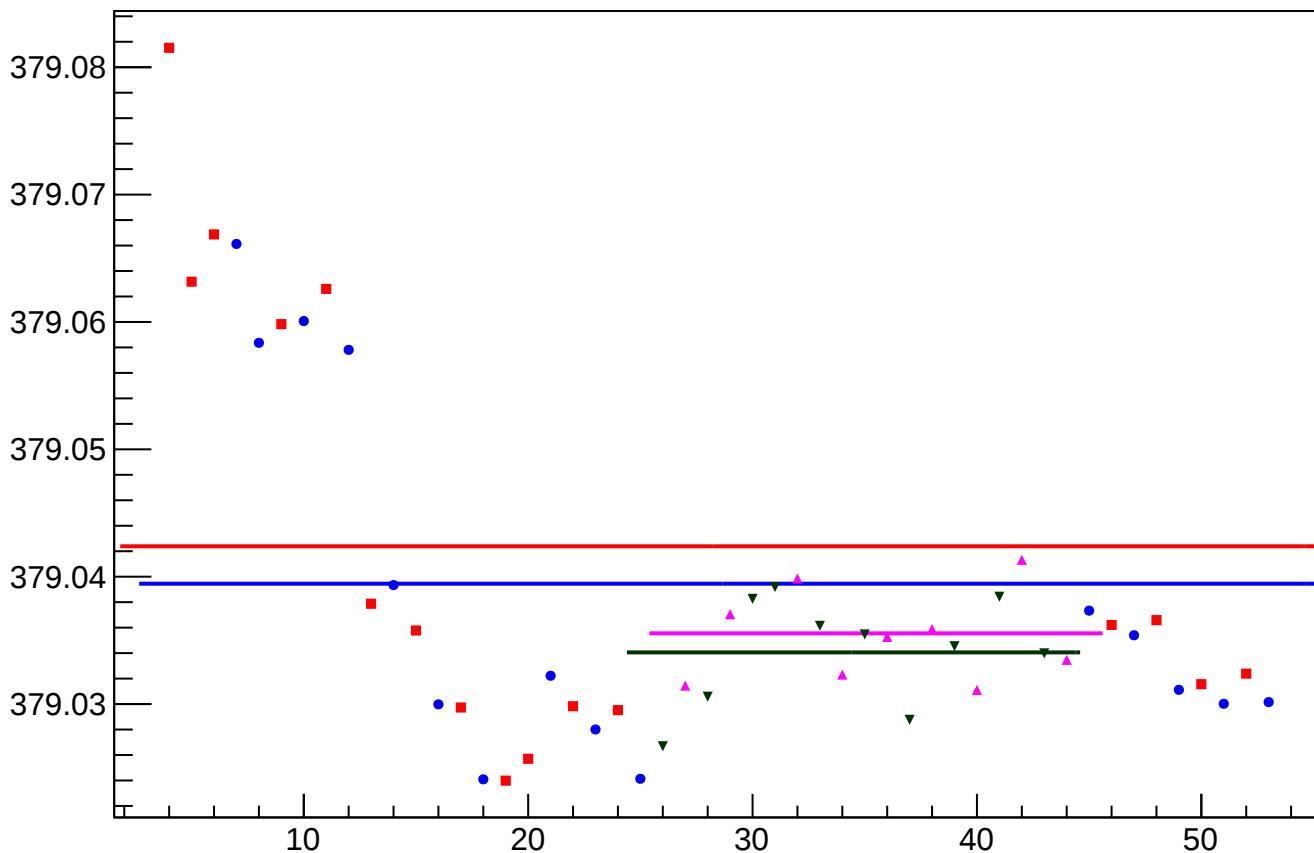
Right Out: 0.209+/-0.000 χ^2/NDF : 533143.1/15

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

0.212+/-0.000 χ^2/NDF : 823419.8/24

0.210+/-0.000 χ^2/NDF : 588139.8/24

yield_cav4dQ_mean vs slug



Right In: 379.039 $\pm$ 0.000 χ^2/NDF : 32895586.1/14

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

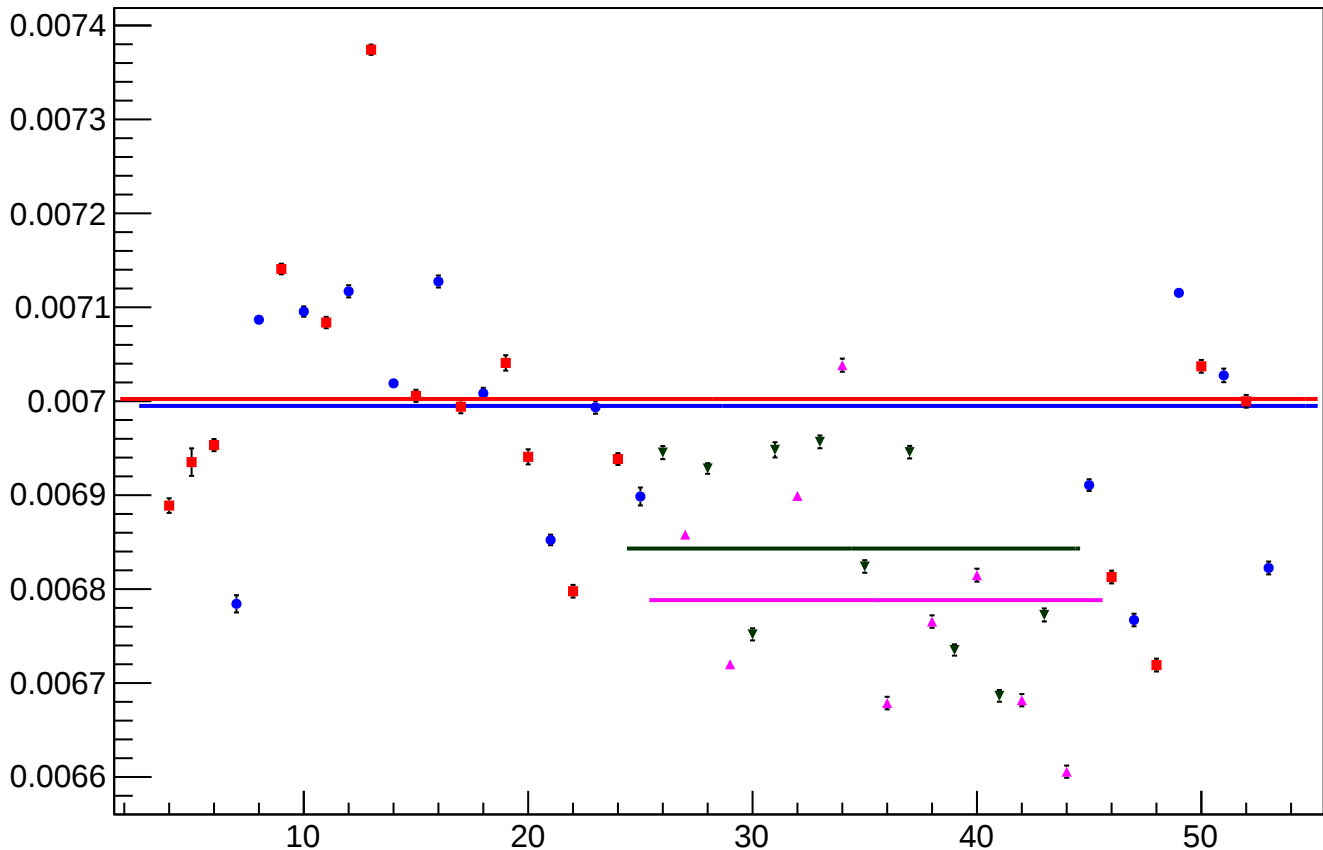
Right Out: 379.042 $\pm$ 0.000 χ^2/NDF : 45015338.9/15

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

379.037 $\pm$ 0.000 χ^2/NDF : 36779973.3/24

379.040 $\pm$ 0.000 χ^2/NDF : 49823793.2/24

yield_cav4dQ_rms vs slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 5209.2/14

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

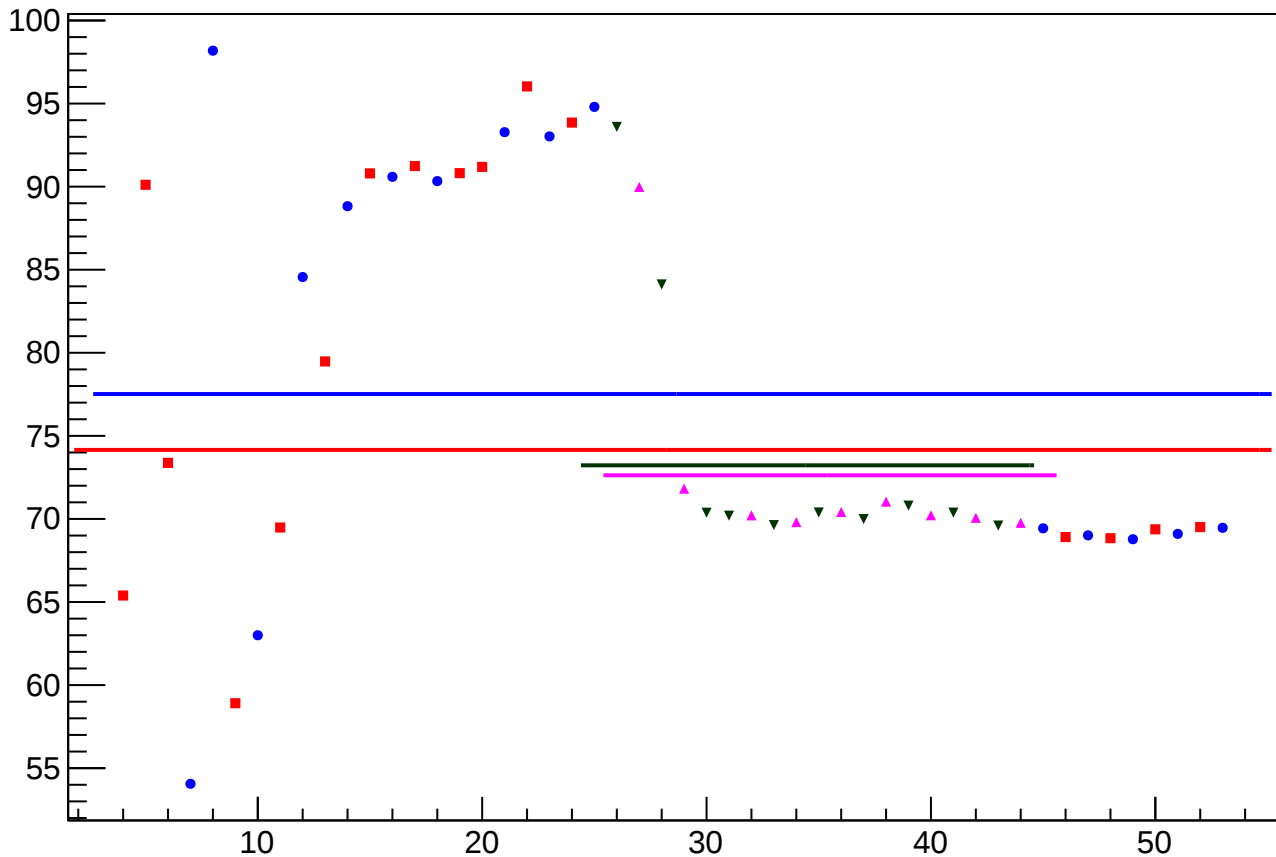
Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 9440.5/15

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

0.007 $\pm$ 0.000 χ^2 /NDF: 10914.3/24

0.007 $\pm$ 0.000 χ^2 /NDF: 19444.1/24

yield_bcm0l02_mean vs slug



Right In: 77.517+/-0.000 χ^2/NDF : 19552743229.3/14

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

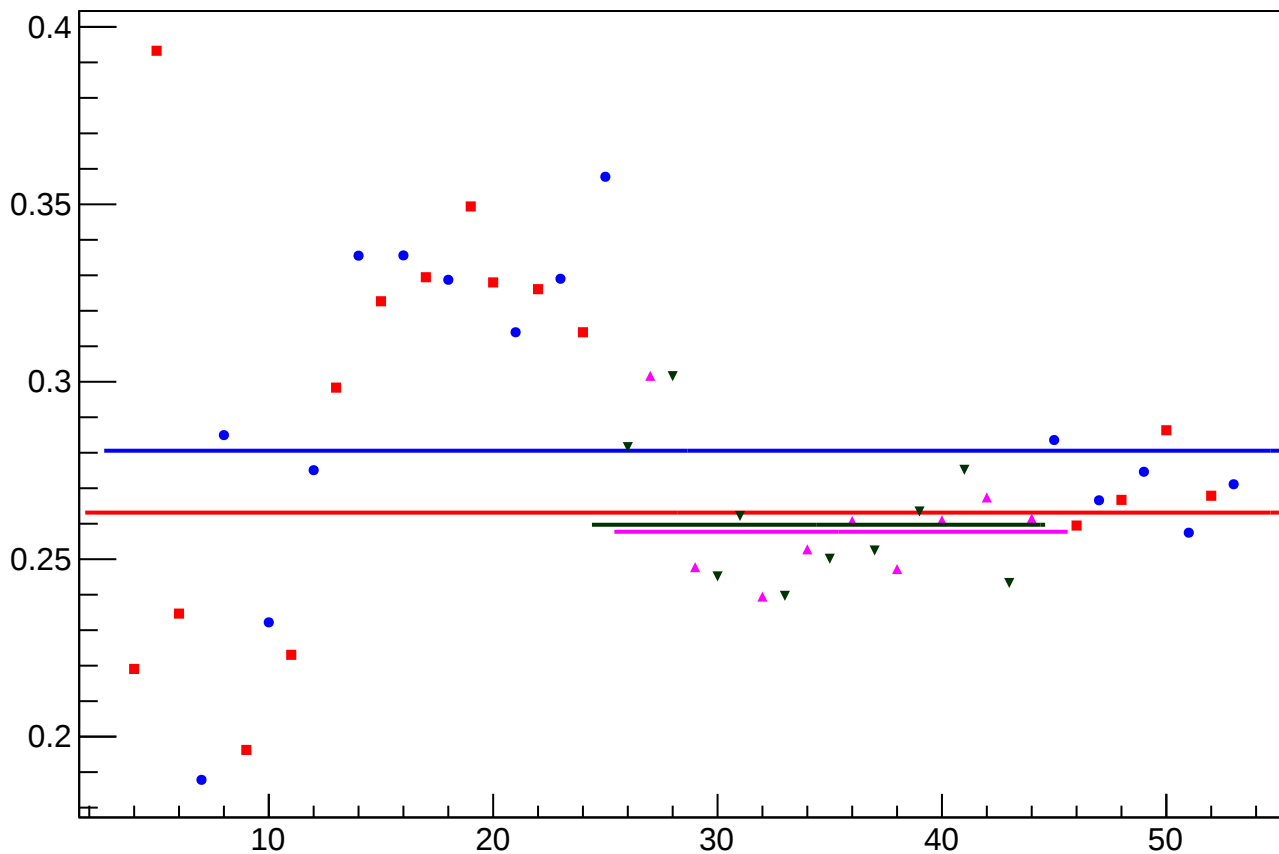
Right Out: 74.154+/-0.000 χ^2/NDF : 14378905350.2/15

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

75.783+/-0.000 χ^2/NDF : 24086667595.9/24

73.502+/-0.000 χ^2/NDF : 17413041038.2/24

yield_bcm0l02_rms vs slug



Right In: 0.281 ± 0.000 χ^2/NDF : 360088.2/14

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

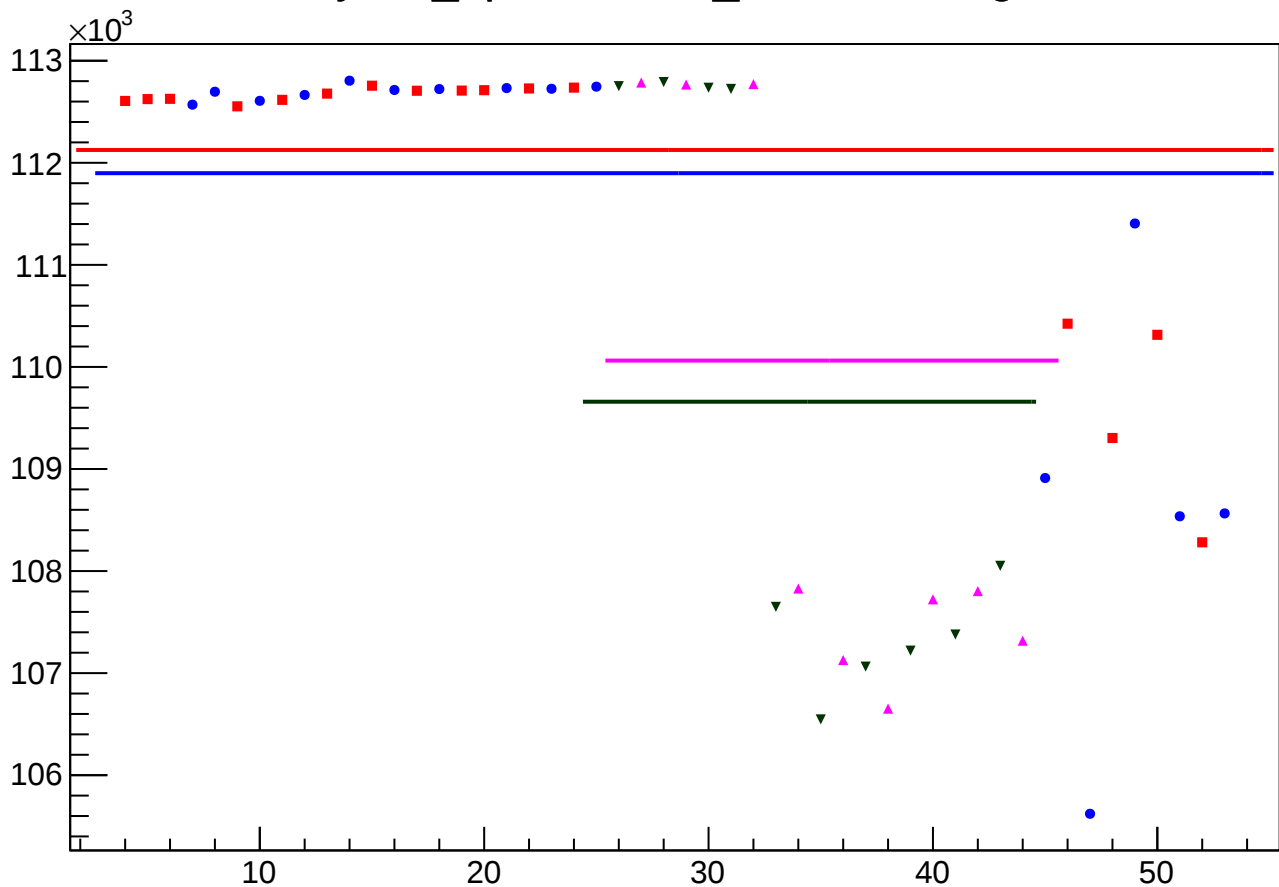
Right Out: 0.263 ± 0.000 χ^2/NDF : 489767.4/15

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

0.272 ± 0.000 χ^2/NDF : 445925.3/24

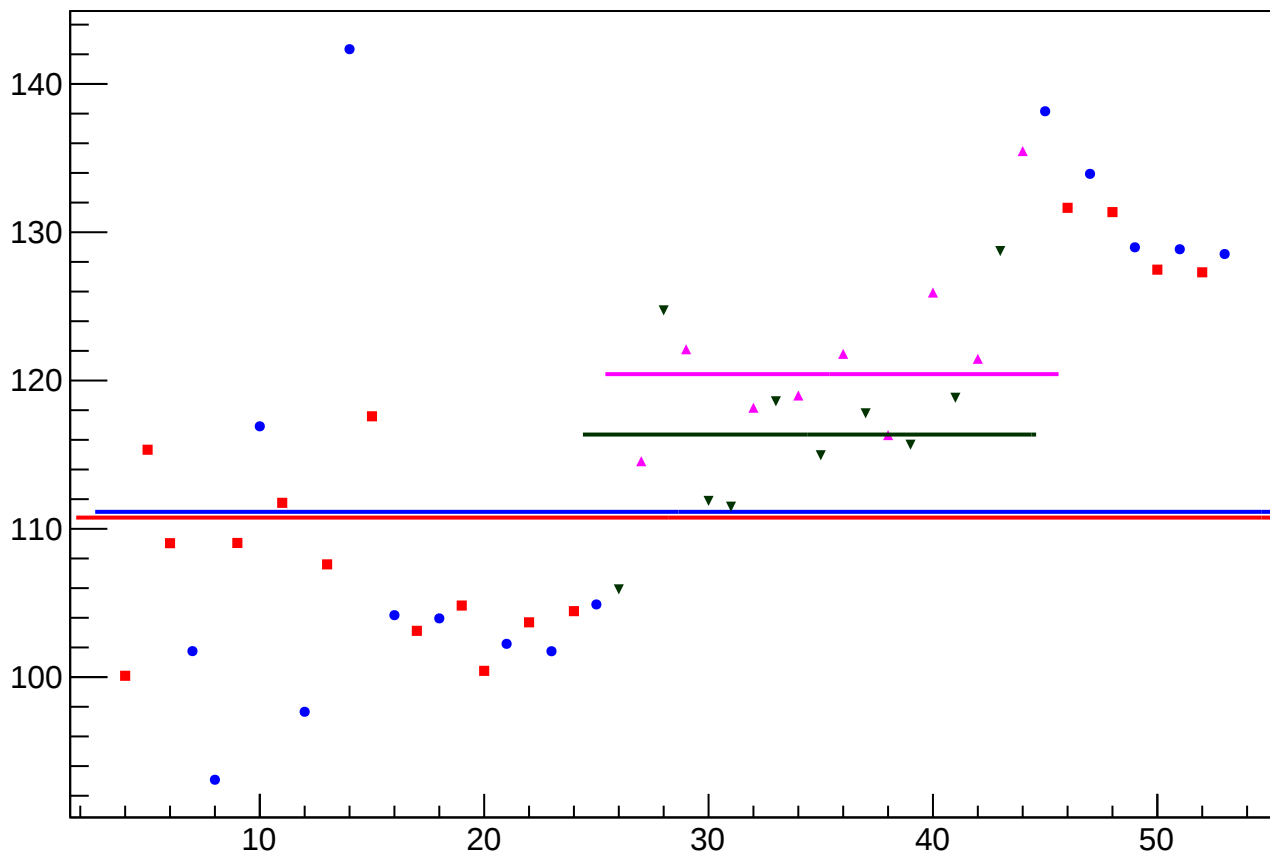
0.261 ± 0.000 χ^2/NDF : 541570.3/24

yield_bpm2i01WS_mean vs slug



Right In: 111898.305 $\pm$ 0.037 χ^2 /NDF: 2193543547.7/14
 Left Out: 109659.144 $\pm$ 0.053 χ^2 /NDF: 2686861752.7/9
 Right Out: 112125.853 $\pm$ 0.040 χ^2 /NDF: 1012668905.8/15
 Left In: 110062.356 $\pm$ 0.053 χ^2 /NDF: 2589754971.8/8

yield_bpm2i01WS_rms vs slug



Right In: 111.146 ± 0.026 χ^2/NDF : 354747.2/14

Left Out: 116.357 ± 0.037 χ^2/NDF : 26817.0/9

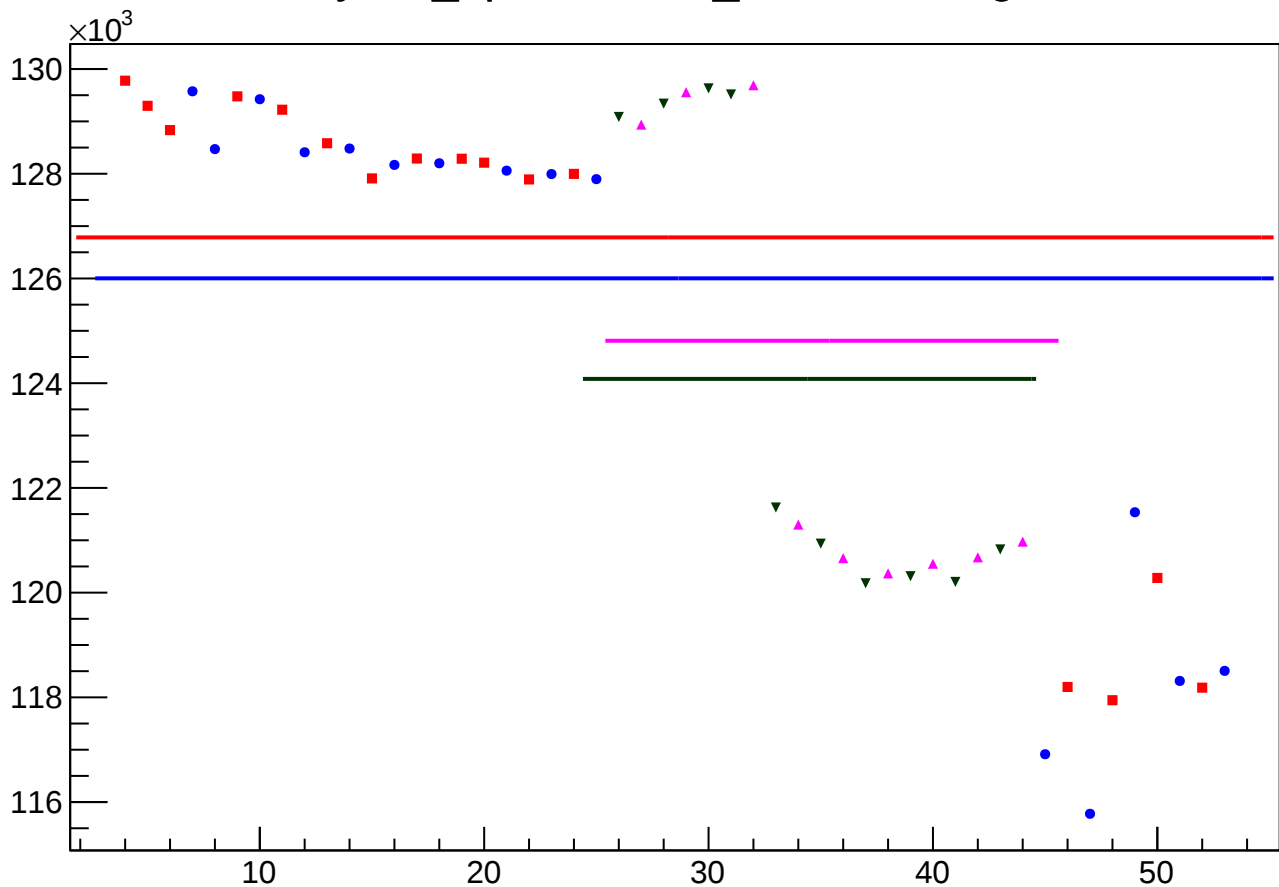
Right Out: 110.758 ± 0.028 χ^2/NDF : 112101.9/15

Left In: 120.432 ± 0.038 χ^2/NDF : 18918.6/8

112.889 ± 0.022 χ^2/NDF : 394520.7/24

114.195 ± 0.022 χ^2/NDF : 173547.6/24

yield_bpm0i07WS_mean vs slug



Right In: 126002.552 $\pm$ 0.061 χ^2 /NDF: 5057860079.6/14

Left Out: 124081.986 $\pm$ 0.090 χ^2 /NDF: 2292578151.5/9

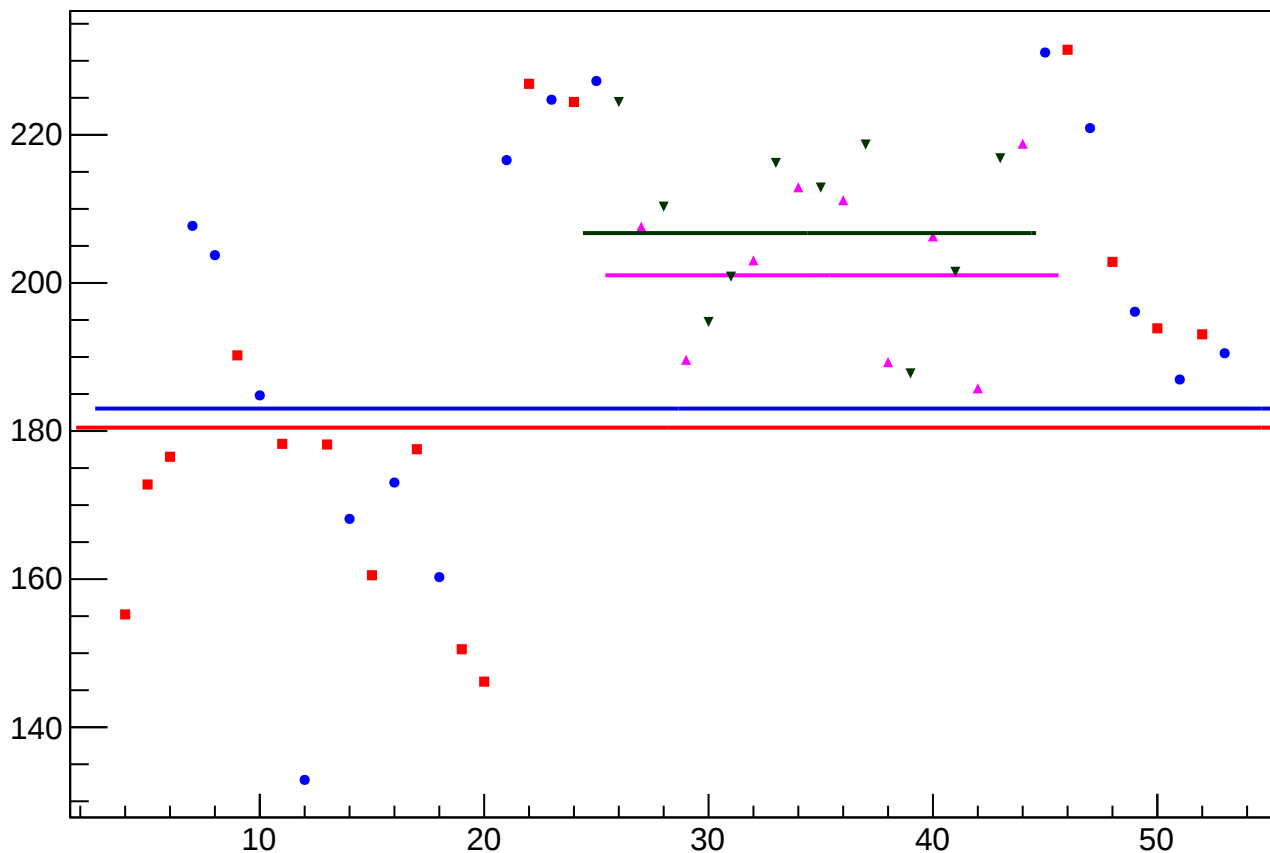
Right Out: 126784.423 $\pm$ 0.064 χ^2 /NDF: 3724369715.8/15

Left In: 124810.637 $\pm$ 0.085 χ^2 /NDF: 2608172131.0/8

125397.362 $\pm$ 0.051 χ^2 /NDF: 7661934376.2/24

126069.971 $\pm$ 0.051 χ^2 /NDF: 6675936082.2/24

yield_bpm0i07WS_rms vs slug



Right In: 183.037 $\pm$ 0.043 χ^2 /NDF: 415874.2/14

Left Out: 206.733 $\pm$ 0.064 χ^2 /NDF:32612.0/9

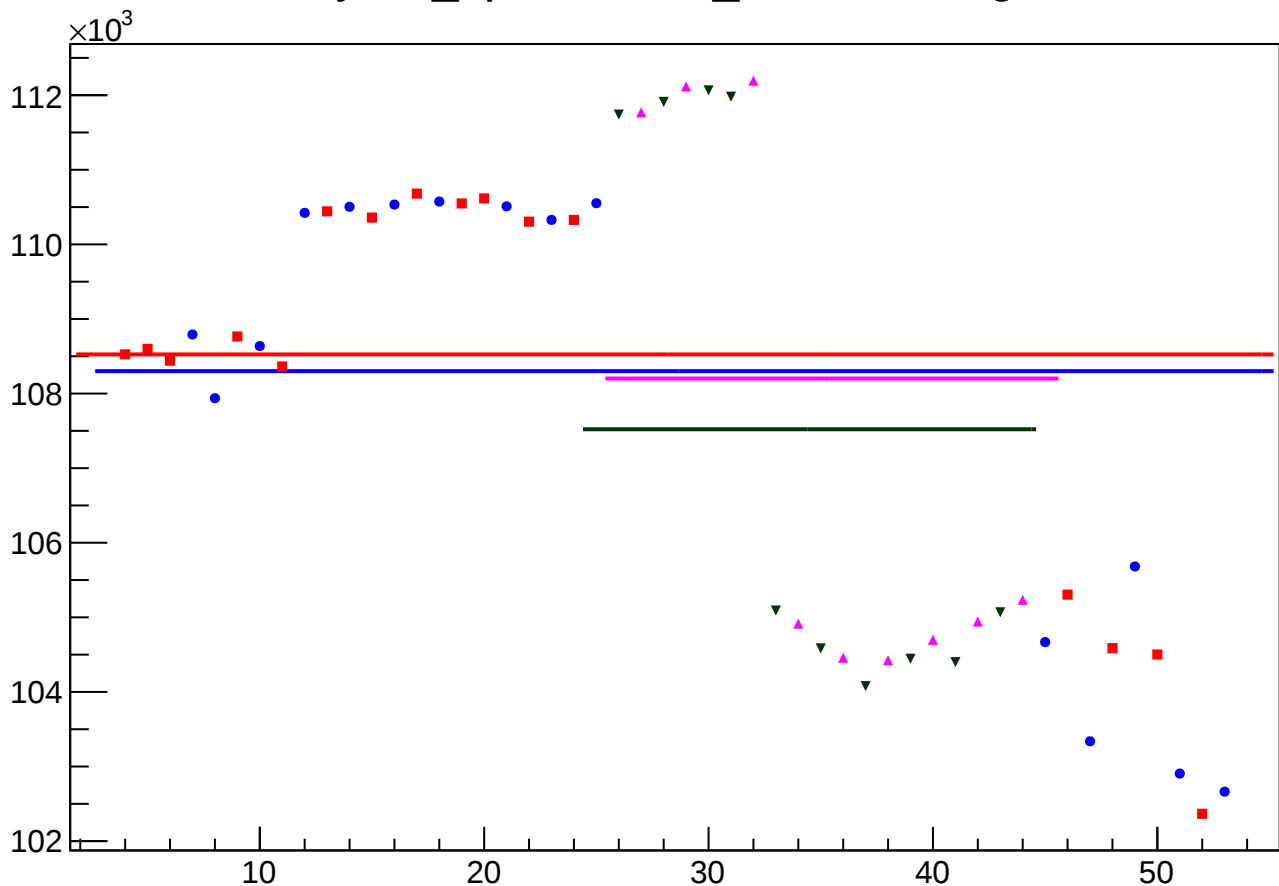
Right Out: 180.460 $\pm$ 0.045 χ^2 /NDF: 251093.2/15

Left In: 201.040 $\pm$ 0.060 χ^2 /NDF:31613.0/8

190.504 $\pm$ 0.036 χ^2 /NDF: 543323.1/24

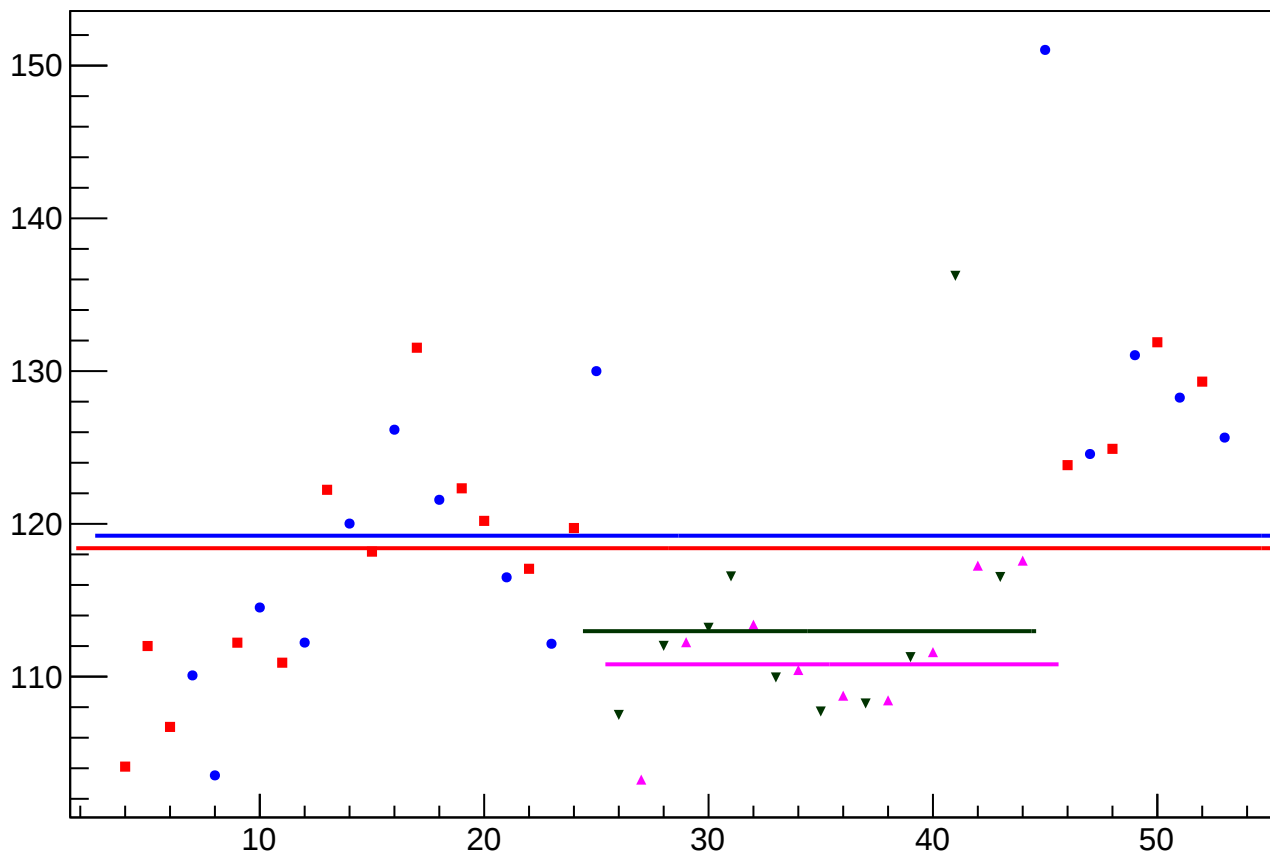
187.909 $\pm$ 0.036 χ^2 /NDF: 357367.7/24

yield_bpm0l01WS_mean vs slug



Right In: 108300.647 $\pm$ 0.040	χ^2 /NDF: 4696398920.8/14	107996.524 $\pm$ 0.031	χ^2 /NDF: 10169286090.4/2
Left Out: 107521.561 $\pm$ 0.049	χ^2 /NDF: 5321162353.6/9		
Right Out: 108524.740 $\pm$ 0.042	χ^2 /NDF: 3322744802.9/15	108381.442 $\pm$ 0.031	χ^2 /NDF: 9333975943.3/24
Left In: 108201.722 $\pm$ 0.047	χ^2 /NDF: 5984849706.8/8		

yield_bpm0l01WS_rms vs slug



Right In: 119.225 ± 0.028 χ^2/NDF : 134053.9/14

Left Out: 112.975 ± 0.035 χ^2/NDF : 42849.8/9

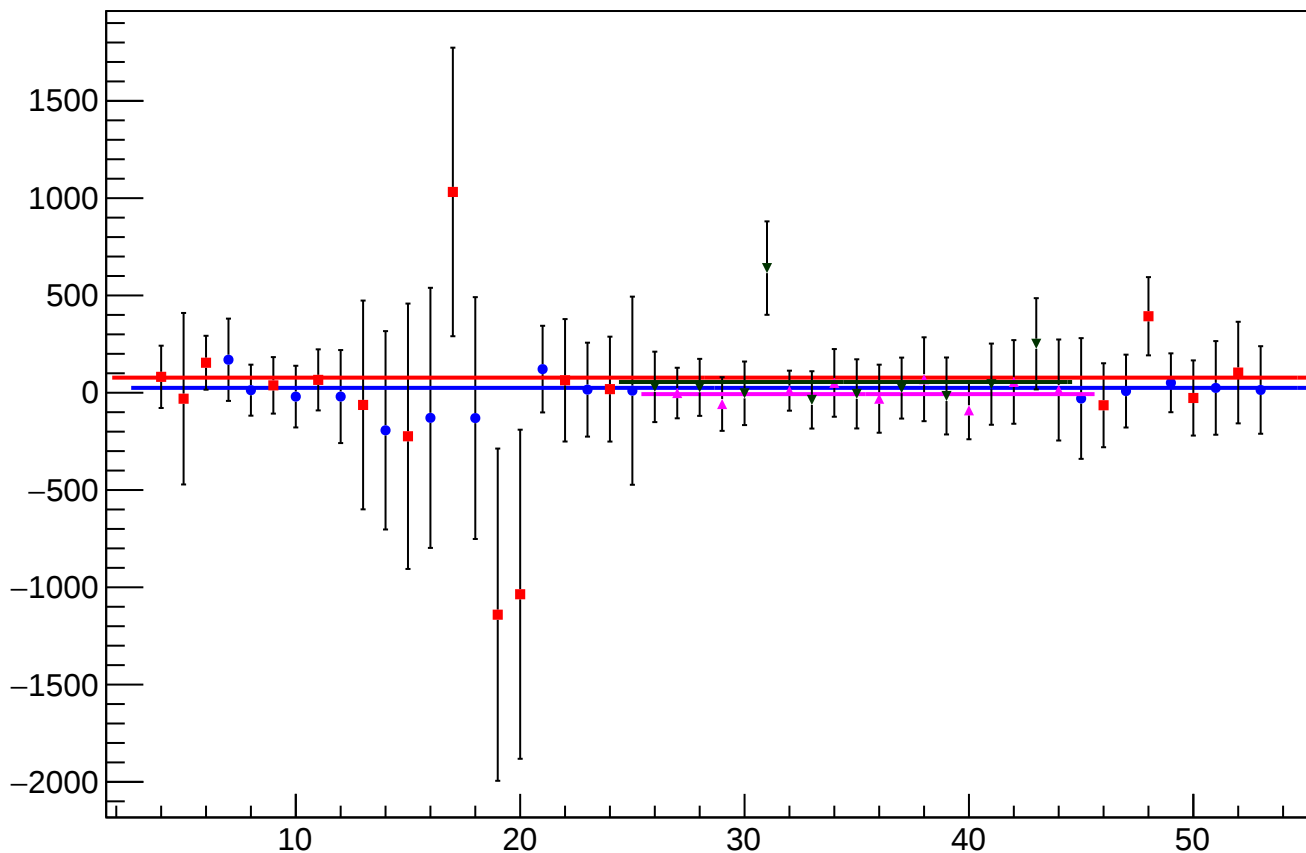
Right Out: 118.406 ± 0.030 χ^2/NDF : 70915.1/15

Left In: 110.804 ± 0.033 χ^2/NDF : 17542.1/8

116.785 ± 0.022 χ^2/NDF : 196426.6/24

115.034 ± 0.022 χ^2/NDF : 117679.1/24

asym_bcm_an_ds_mean vs slug



Right In: 25.020 $\pm$ 56.997 χ^2 /NDF: 1.1/14

Left Out: 55.055 $\pm$ 56.152 χ^2 /NDF: 7.5/9

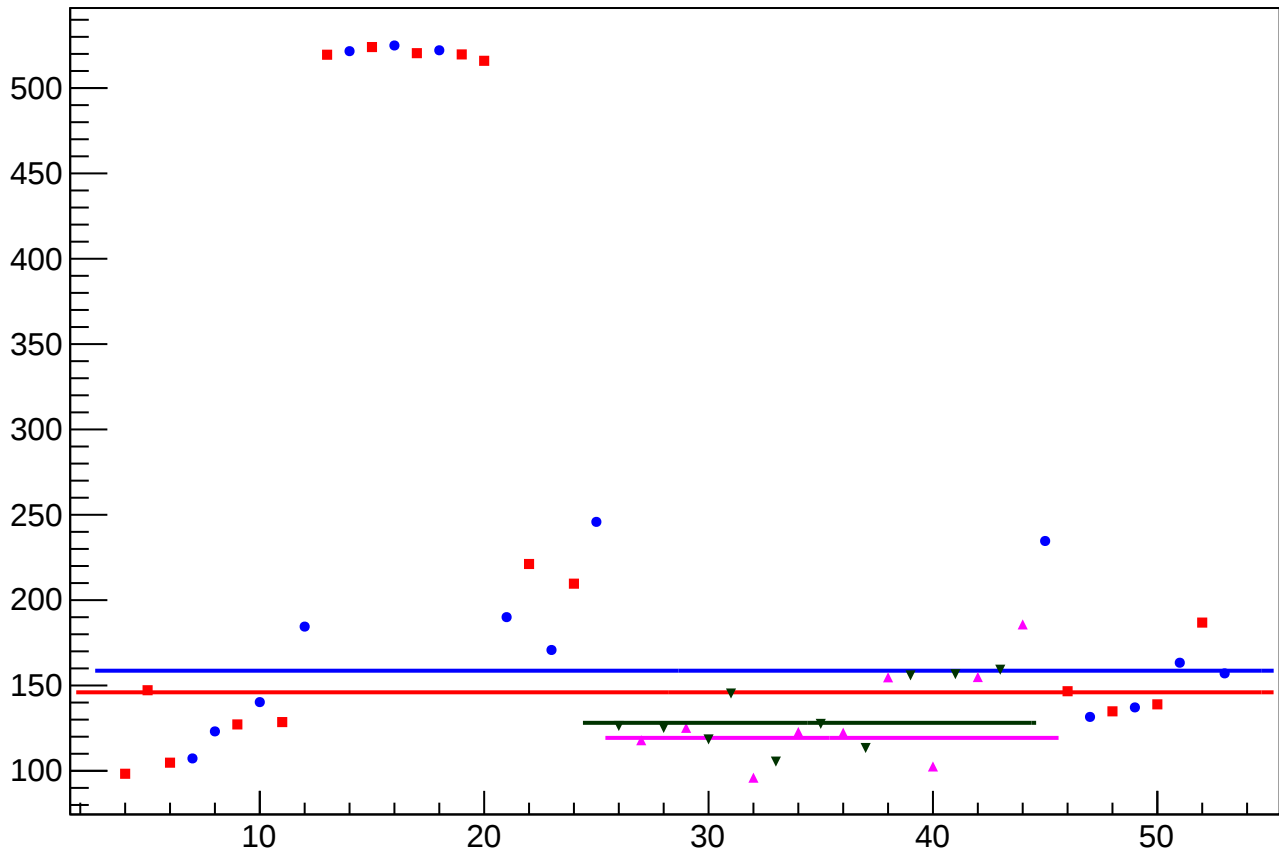
Right Out: 77.624 $\pm$ 57.161 χ^2 /NDF: 9.4/15

Left In: -7.075 $\pm$ 51.612 χ^2 /NDF: 0.8/8

40.262 $\pm$ 40.001 χ^2 /NDF: 8.8/24

30.964 $\pm$ 38.307 χ^2 /NDF: 11.4/24

asym_bcm_an_ds_rms vs slug



Right In: 158.659+/-0.040 χ^2/NDF : 2927195.3/14

Left Out: 128.125+/-0.040 χ^2/NDF :195774.0/9

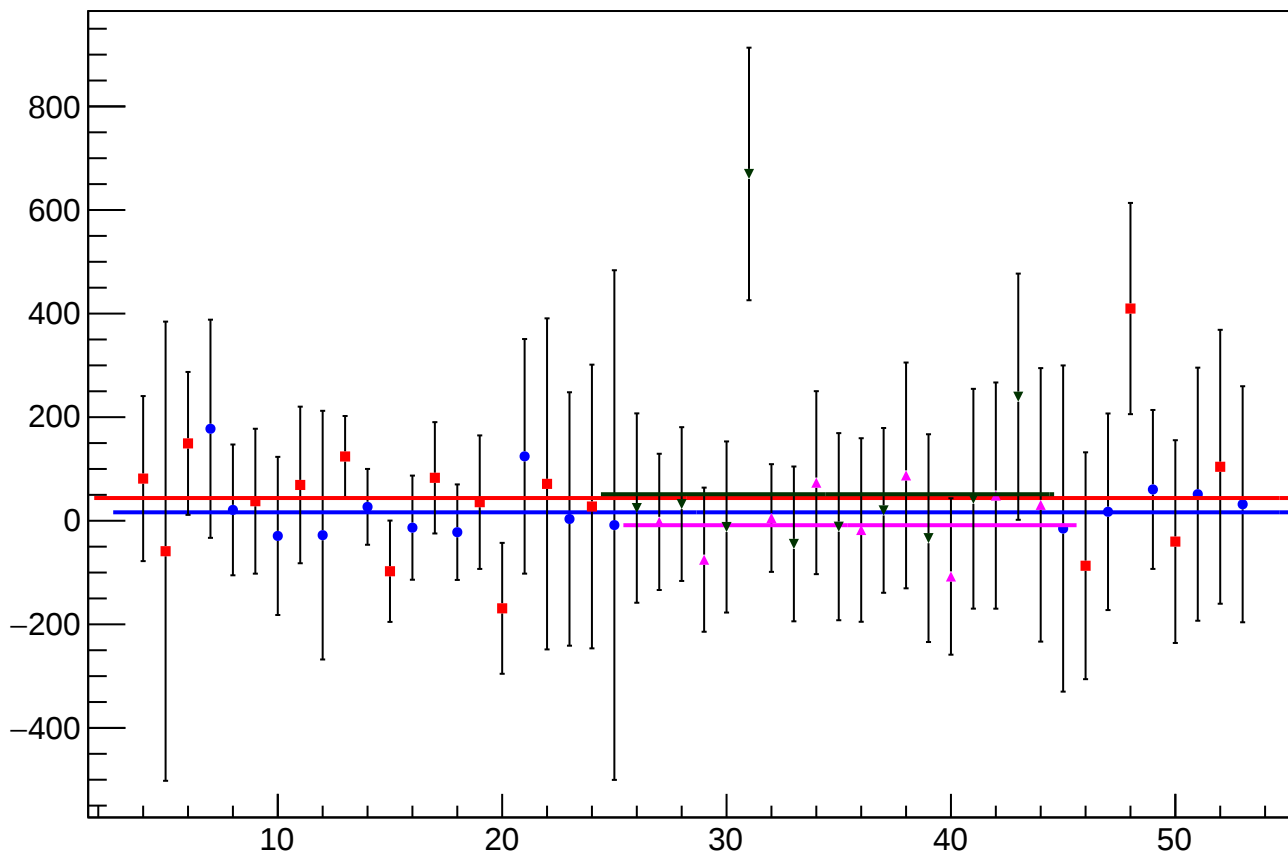
143.164+/-0.028 χ^2/NDF : 3414236.7/24

Right Out: 146.000+/-0.040 χ^2/NDF : 3556372.0/15

131.294+/-0.027 χ^2/NDF : 4170430.8/24

Left In: 119.305+/-0.036 χ^2/NDF :373767.5/8

asym_bcm_an_ds3_mean vs slug



Right In: 16.299 ± 37.656 χ^2/NDF : 1.3/14

Left Out: 51.240 ± 56.939 χ^2/NDF : 8.0/9

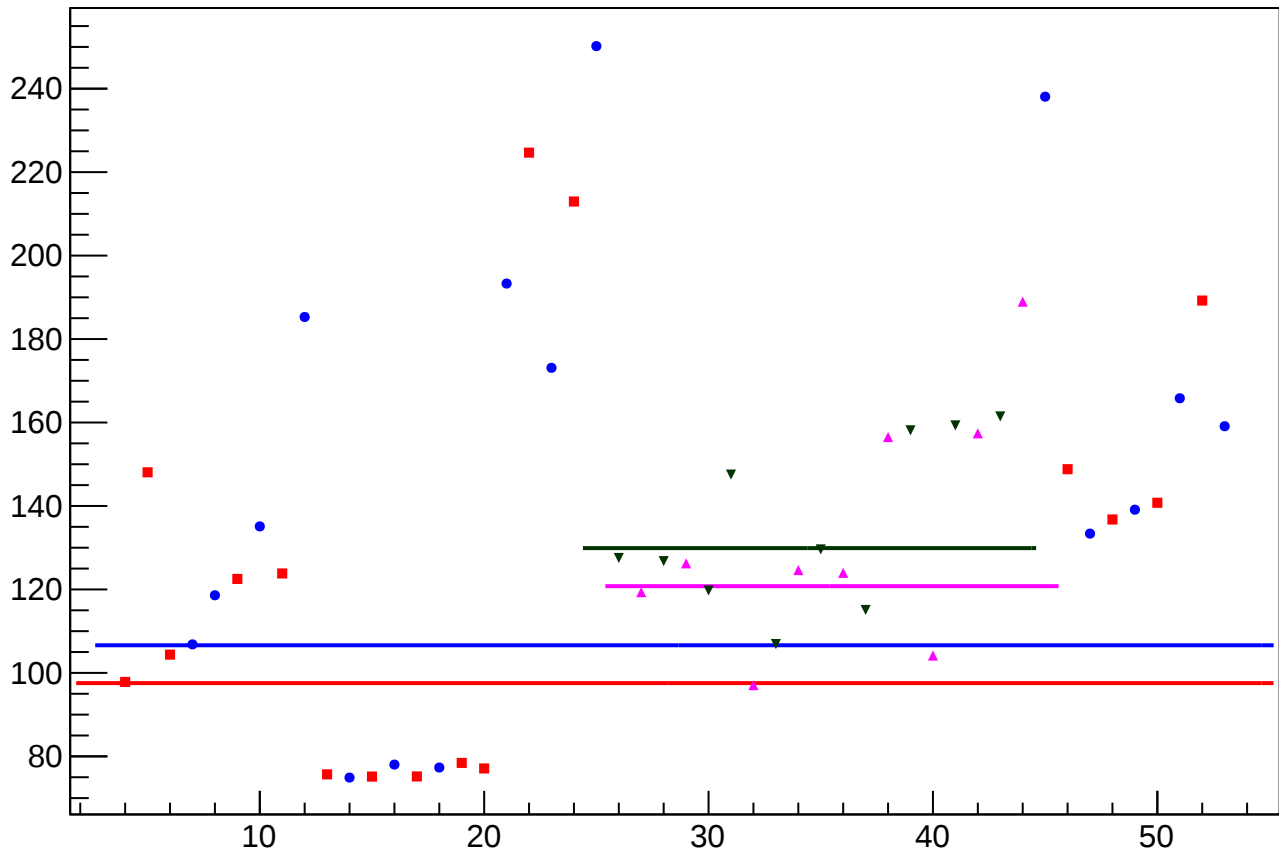
Right Out: 43.877 ± 35.857 χ^2/NDF : 10.7/15

Left In: -8.590 ± 52.268 χ^2/NDF : 1.2/8

26.932 ± 31.409 χ^2/NDF : 9.6/24

27.086 ± 29.568 χ^2/NDF : 12.5/24

asym_bcm_an_ds3_rms vs slug



Right In: 106.622 $\pm$ 0.027 χ^2/NDF : 2353378.5/14

Left Out: 129.904 $\pm$ 0.040 χ^2/NDF :197170.8/9

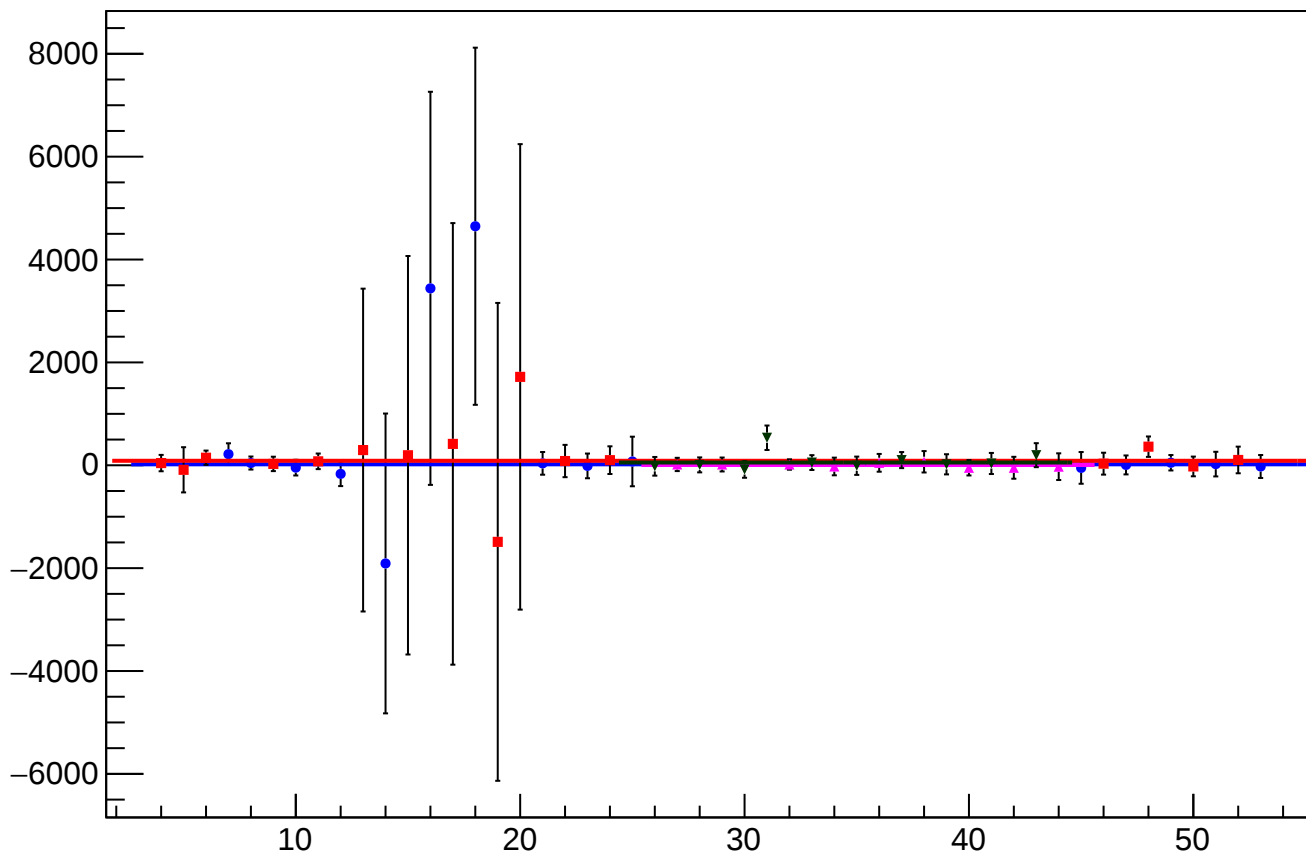
Right Out: 97.553 $\pm$ 0.025 χ^2/NDF : 1792097.1/15

Left In: 120.786 $\pm$ 0.037 χ^2/NDF :376487.8/8

113.706 $\pm$ 0.022 χ^2/NDF : 2783179.4/24

104.988 $\pm$ 0.021 χ^2/NDF : 2437295.6/24

asym_bcm_an_us_mean vs slug



Right In: 18.436+/-56.809 χ^2/NDF : 4.9/14

Left Out: 53.832+/-55.648 χ^2/NDF : 5.7/9

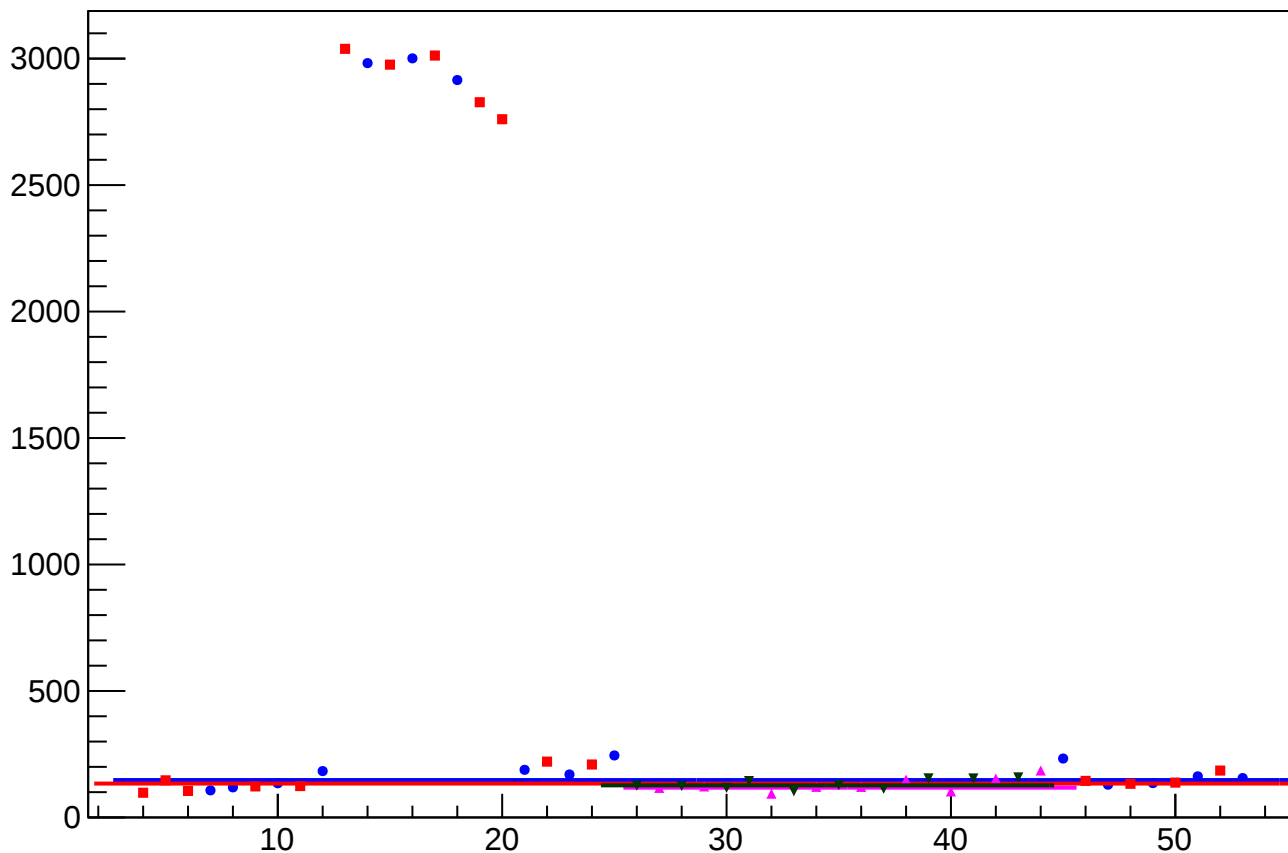
Right Out: 87.511+/-57.238 χ^2/NDF : 3.2/15

Left In: 5.189+/-50.929 χ^2/NDF : 0.4/8

36.499+/-39.753 χ^2/NDF : 10.8/24

41.565+/-38.048 χ^2/NDF : 4.8/24

asym_bcm_an_us_rms vs slug



Right In: 147.828+/-0.040 χ^2/NDF : 4874740.7/14

Left Out: 126.861+/-0.039 χ^2/NDF :201202.8/9

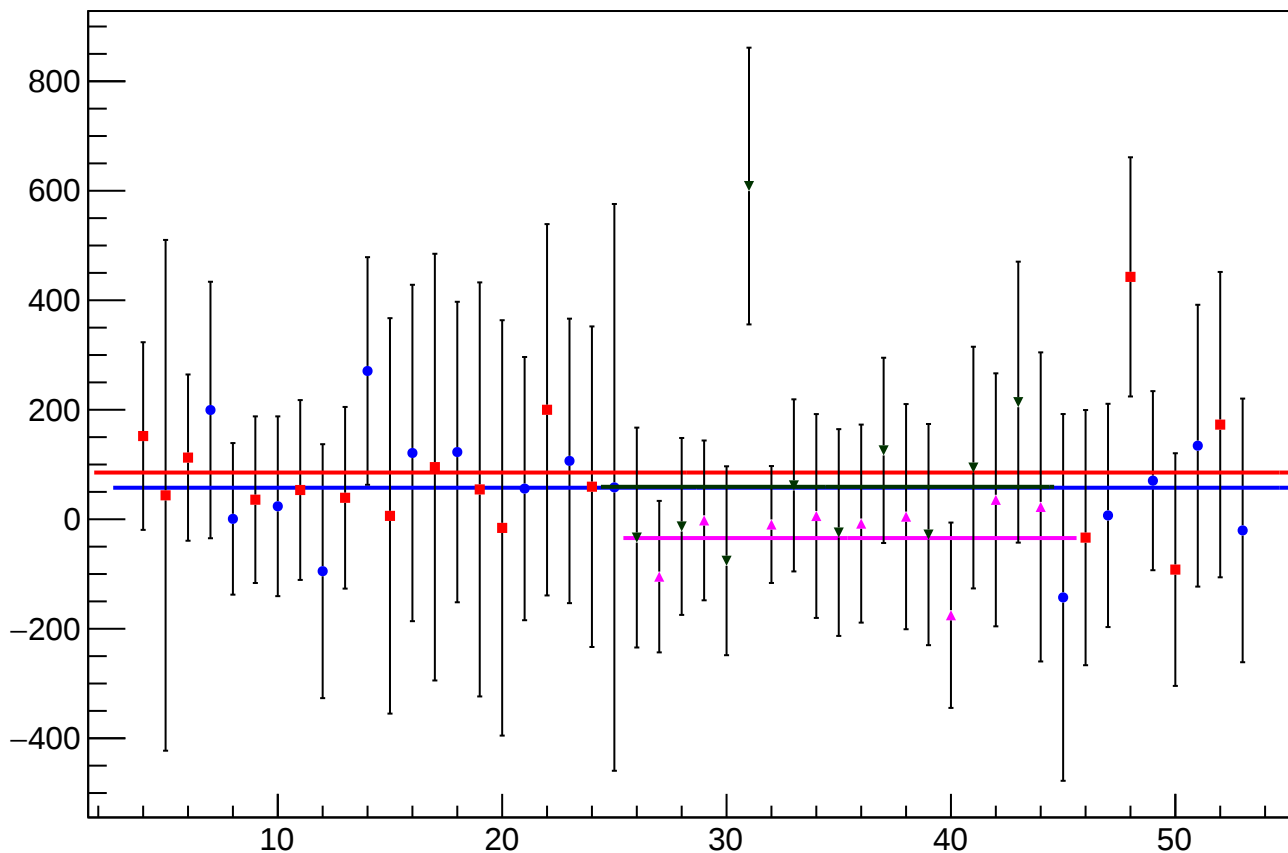
Right Out: 133.965+/-0.040 χ^2/NDF : 5645140.9/15

Left In: 117.710+/-0.036 χ^2/NDF :374948.7/8

137.128+/-0.028 χ^2/NDF : 5214967.6/24

124.893+/-0.027 χ^2/NDF : 6110120.0/24

asym_bcm_dg_us_mean vs slug



Right In: 57.595+/-56.645 χ^2/NDF : 2.8/14

Left Out: 59.318+/-60.188 χ^2/NDF : 6.7/9

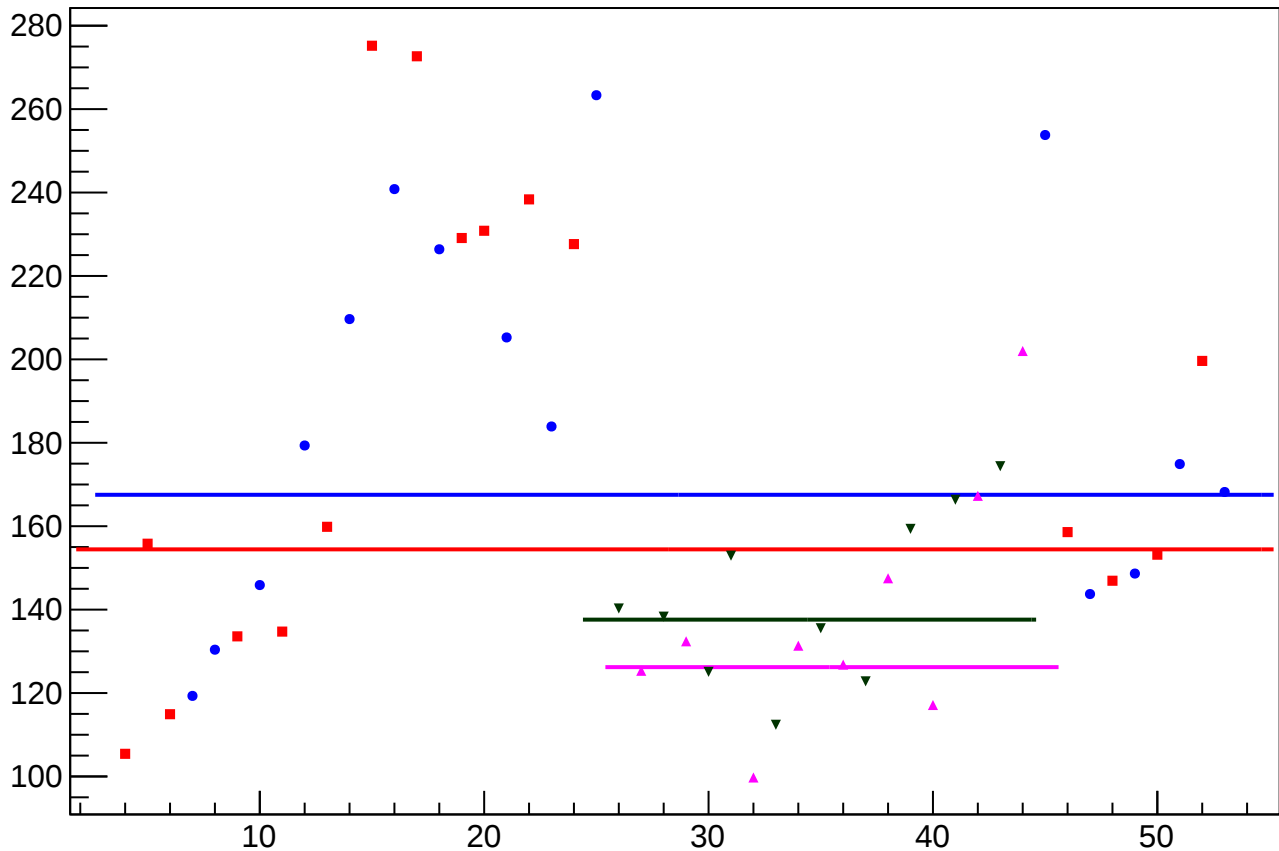
Right Out: 85.342+/-55.767 χ^2/NDF : 4.4/15

Left In: -34.328+/-54.542 χ^2/NDF : 1.3/8

58.404+/-41.250 χ^2/NDF : 9.5/24

24.178+/-38.993 χ^2/NDF : 8.0/24

asym_bcm_dg_us_rms vs slug



Right In: 167.532 $\pm$ 0.040 χ^2 /NDF: 870518.7/14

Left Out: 137.600 $\pm$ 0.043 χ^2 /NDF:183507.0/9

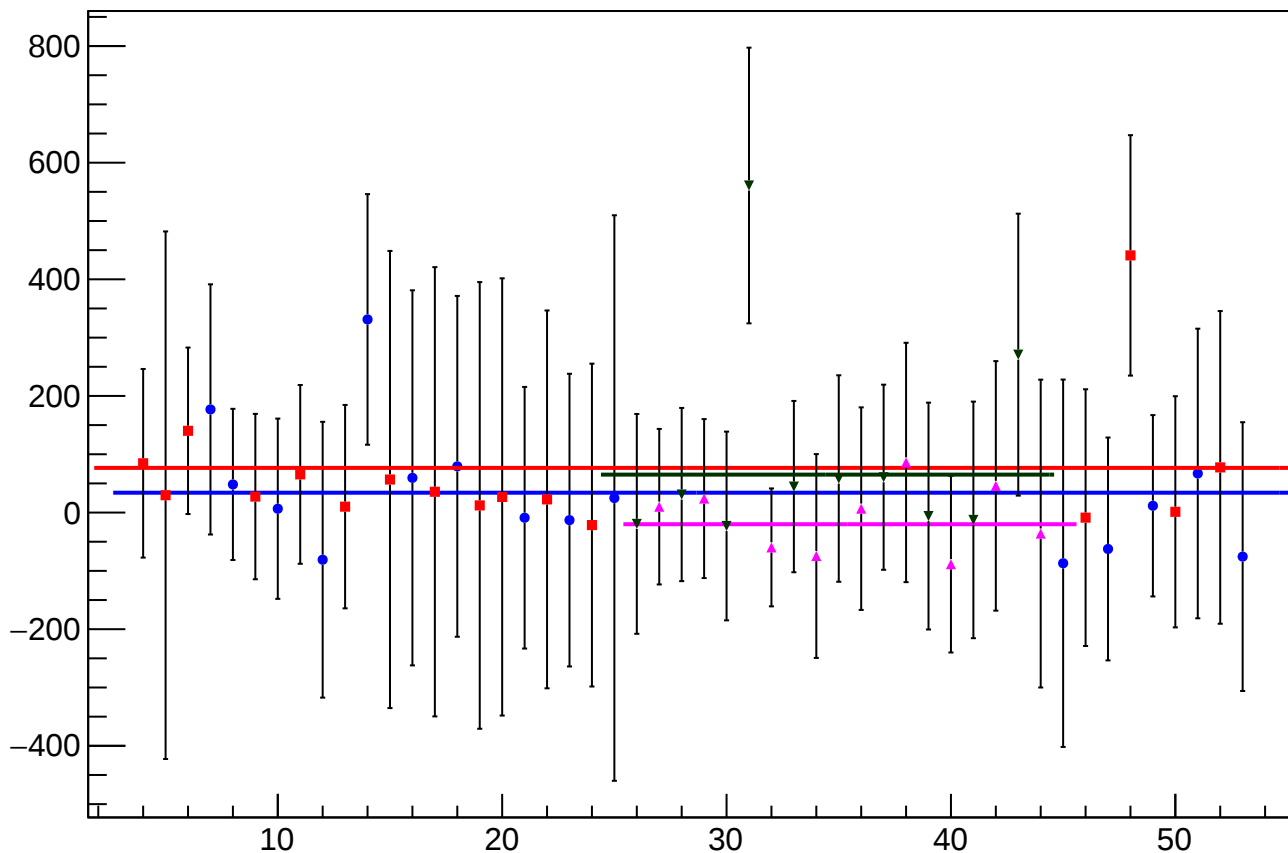
153.473 $\pm$ 0.029 χ^2 /NDF: 1316327.3/24

Right Out: 154.448 $\pm$ 0.039 χ^2 /NDF: 1237398.2/15

140.016 $\pm$ 0.028 χ^2 /NDF: 1862064.7/24

Left In: 126.212 $\pm$ 0.039 χ^2 /NDF:362614.3/8

asym_bcm_dg_ds_mean vs slug



Right In: 34.058+/-54.405 χ^2/NDF : 3.4/14

Left Out: 65.067+/-56.313 χ^2/NDF : 6.0/9

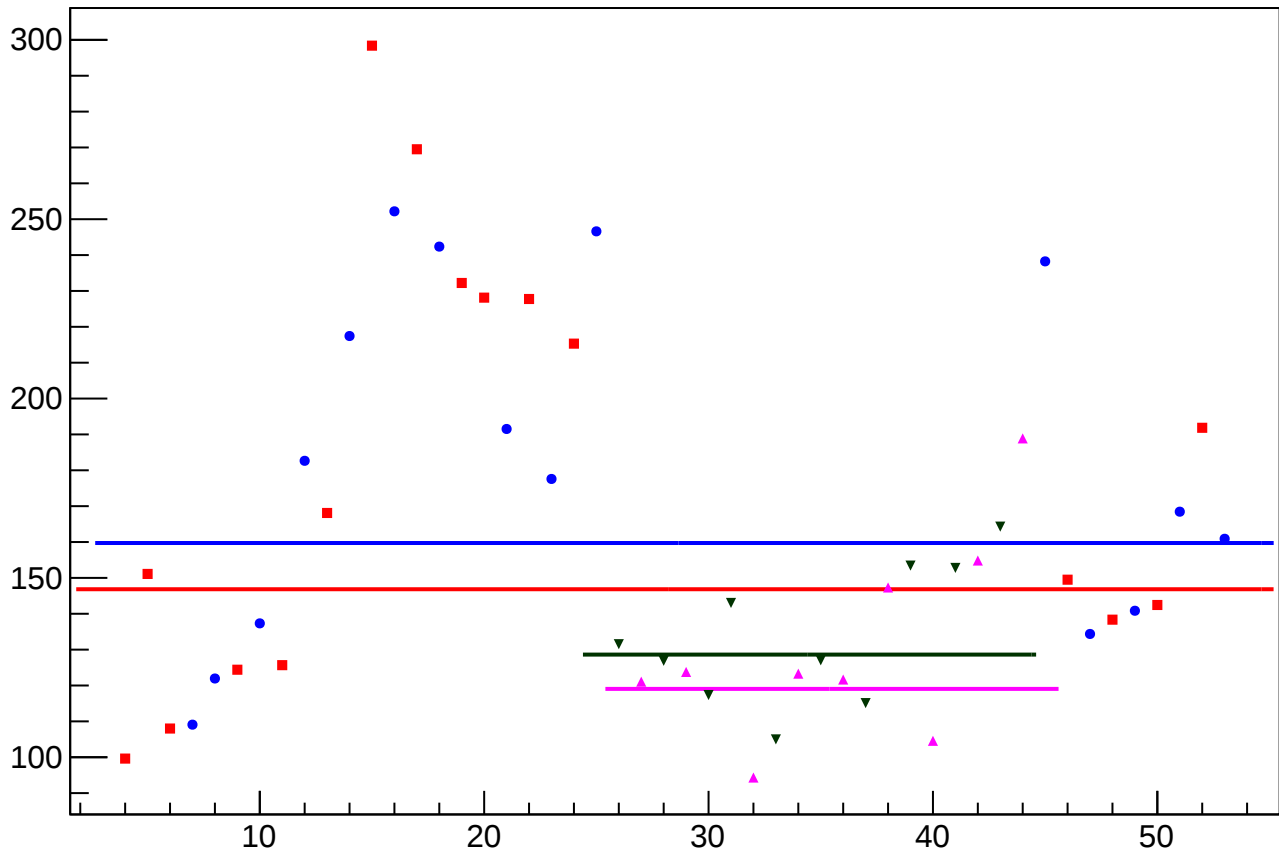
Right Out: 76.625+/-53.404 χ^2/NDF : 4.1/15

Left In: -19.993+/-51.483 χ^2/NDF : 1.0/8

49.028+/-39.127 χ^2/NDF : 9.5/24

26.547+/-37.064 χ^2/NDF : 6.8/24

asym_bcm_dg_ds_rms vs slug



Right In: 159.726 $\pm$ 0.038 χ^2/NDF : 1117538.1/14

Left Out: 128.616 $\pm$ 0.040 χ^2/NDF : 188850.5/9

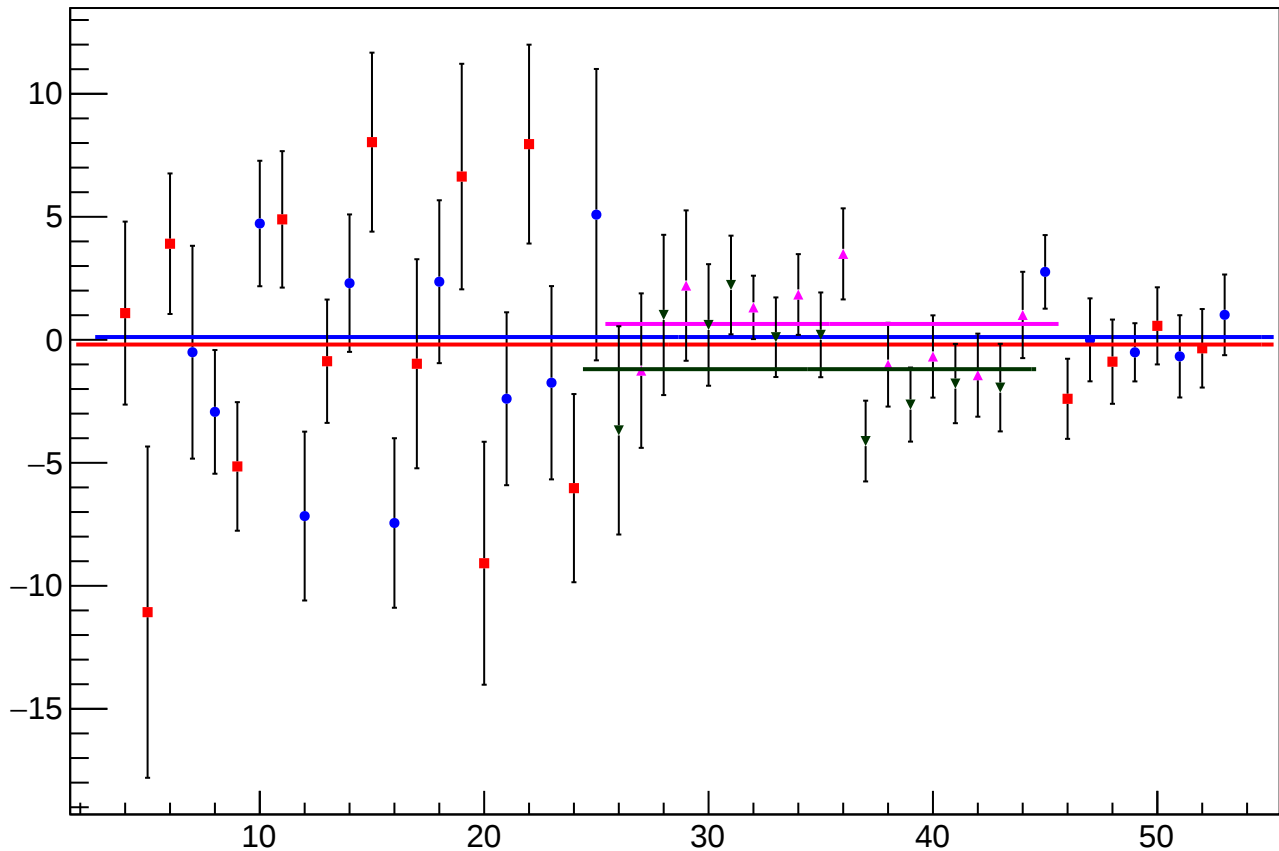
144.707 $\pm$ 0.028 χ^2/NDF : 1622103.8/24

Right Out: 146.838 $\pm$ 0.038 χ^2/NDF : 1439864.1/15

132.437 $\pm$ 0.026 χ^2/NDF : 2096664.0/24

Left In: 119.054 $\pm$ 0.036 χ^2/NDF : 376220.0/8

asym_cav4bQ_mean vs slug



Right In: 0.113 ± 0.562 $\chi^2/\text{NDF}: 20.5/14$

Left Out: -1.193 ± 0.598 $\chi^2/\text{NDF}: 9.9/9$

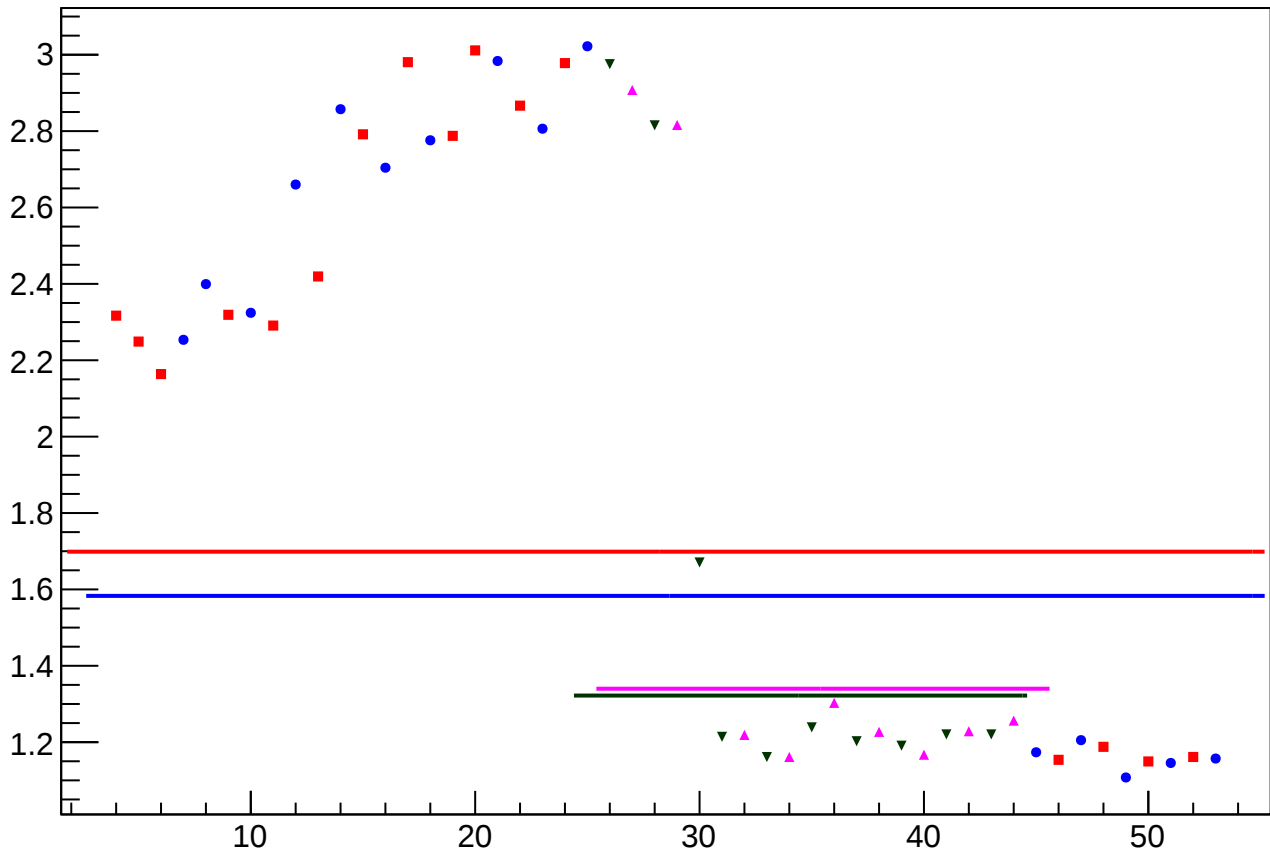
Right Out: -0.192 ± 0.630 $\chi^2/\text{NDF}: 31.1/15$

Left In: 0.645 ± 0.592 $\chi^2/\text{NDF}: 6.9/8$

-0.499 ± 0.409 $\chi^2/\text{NDF}: 33.0/24$

0.252 ± 0.431 $\chi^2/\text{NDF}: 38.9/24$

asym_cav4bQ_rms vs slug



Right In: 1.583+/-0.000 χ^2/NDF : 2987573.7/14

Left Out: 1.322+/-0.000 χ^2/NDF :835682.2/9

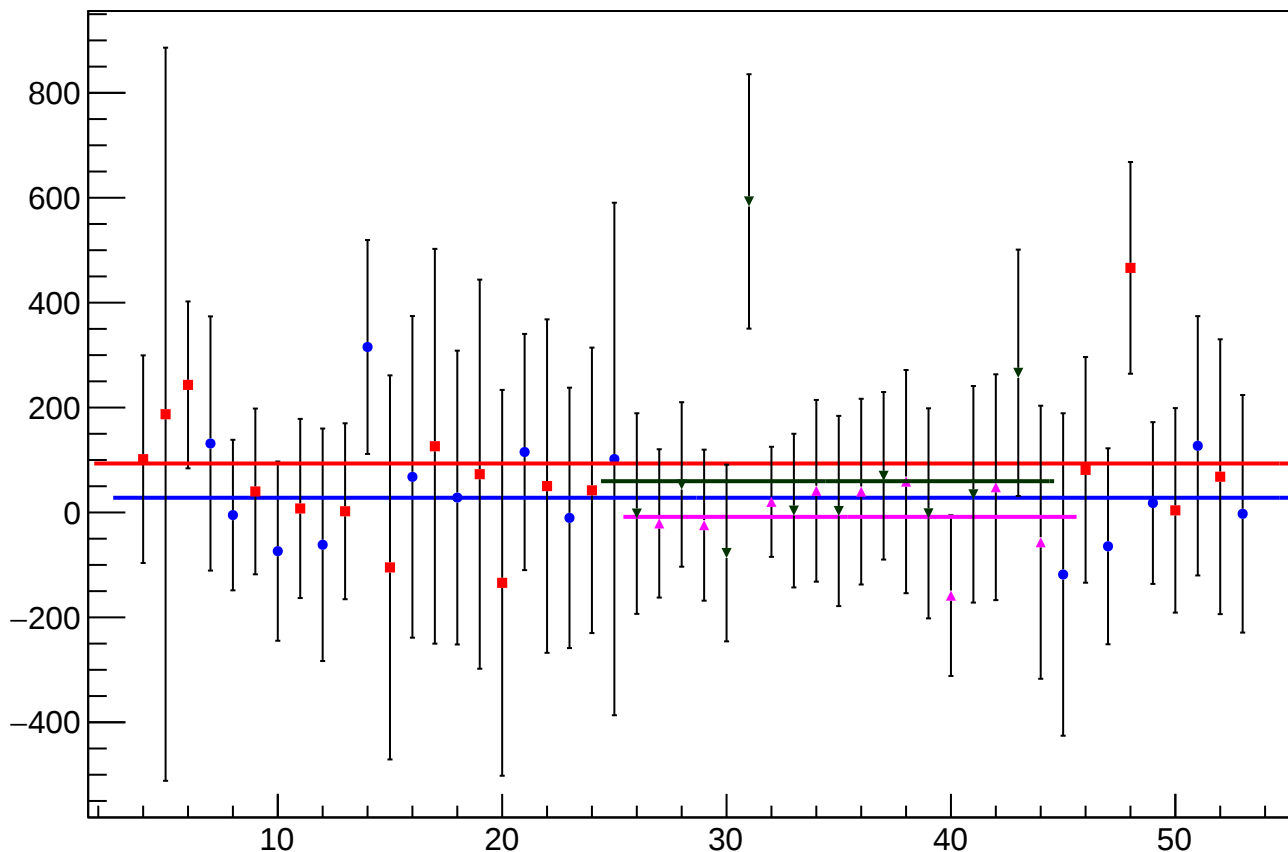
1.461+/-0.000 χ^2/NDF : 4025609.4/24

Right Out: 1.699+/-0.000 χ^2/NDF : 2372655.6/15

1.508+/-0.000 χ^2/NDF : 3767868.2/24

Left In: 1.340+/-0.000 χ^2/NDF :1050714.6/8

asym_cav4cQ_mean vs slug



Right In: 28.039 $\pm$ 55.476 χ^2 /NDF: 3.6/14

Left Out: 59.618 $\pm$ 57.448 χ^2 /NDF:6.7/9

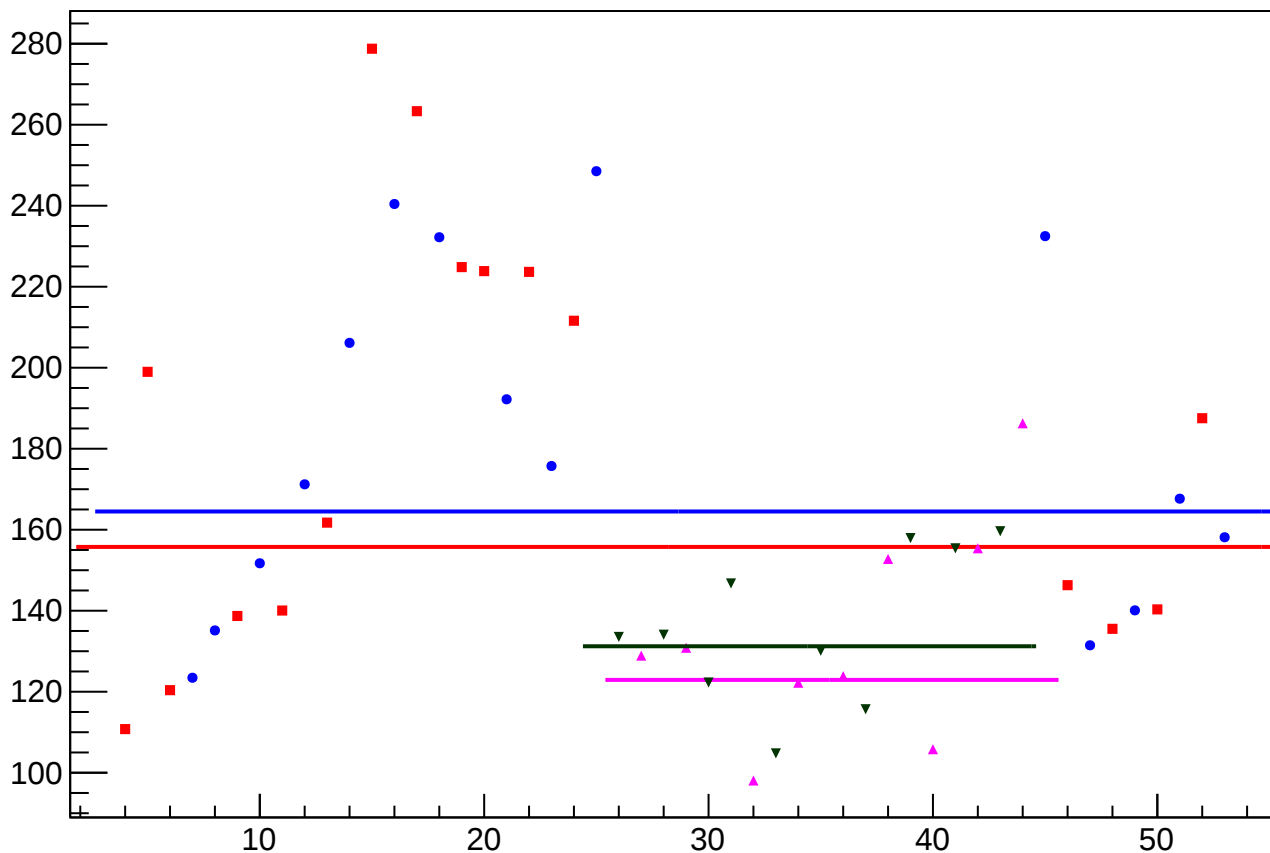
Right Out: 93.352 $\pm$ 56.199 χ^2 /NDF: 5.9/15

Left In: -8.384 $\pm$ 53.045 χ^2 /NDF:1.4/8

43.277 $\pm$ 39.906 χ^2 /NDF: 10.5/24

39.549 $\pm$ 38.575 χ^2 /NDF: 9.1/24

asym_cav4cQ_rms vs slug



Right In: 164.504+/-0.039 χ^2/NDF : 783074.5/14

Left Out: 131.224+/-0.041 χ^2/NDF :191308.6/9

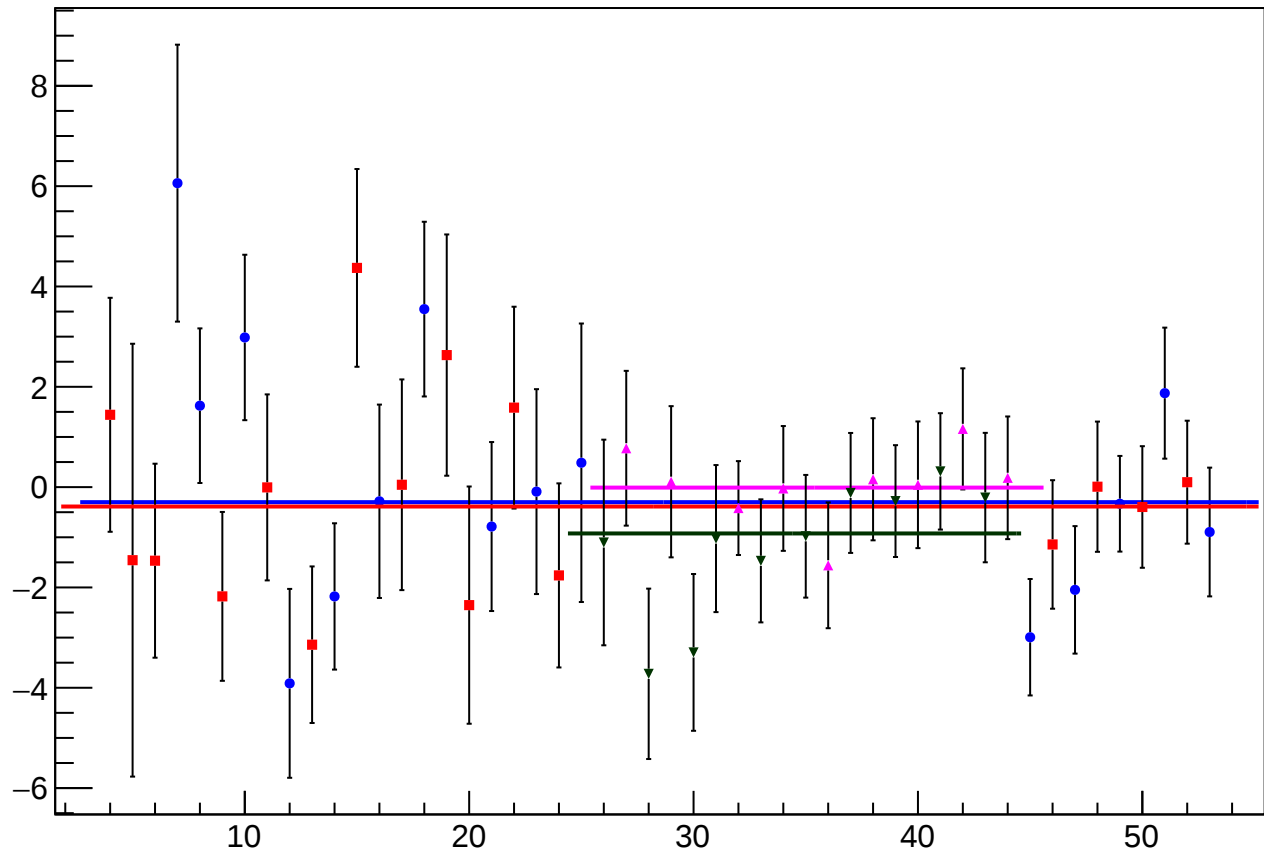
Right Out: 155.754+/-0.040 χ^2/NDF : 1021161.0/15

Left In: 122.920+/-0.038 χ^2/NDF :350338.0/8

148.445+/-0.028 χ^2/NDF : 1321687.0/24

138.390+/-0.027 χ^2/NDF : 1732522.5/24

asym_cav4dQ_mean vs slug



Right In: -0.300 ± 0.388 $\chi^2/\text{NDF}: 31.5/14$

Left Out: -0.924 ± 0.421 $\chi^2/\text{NDF}: 7.5/9$

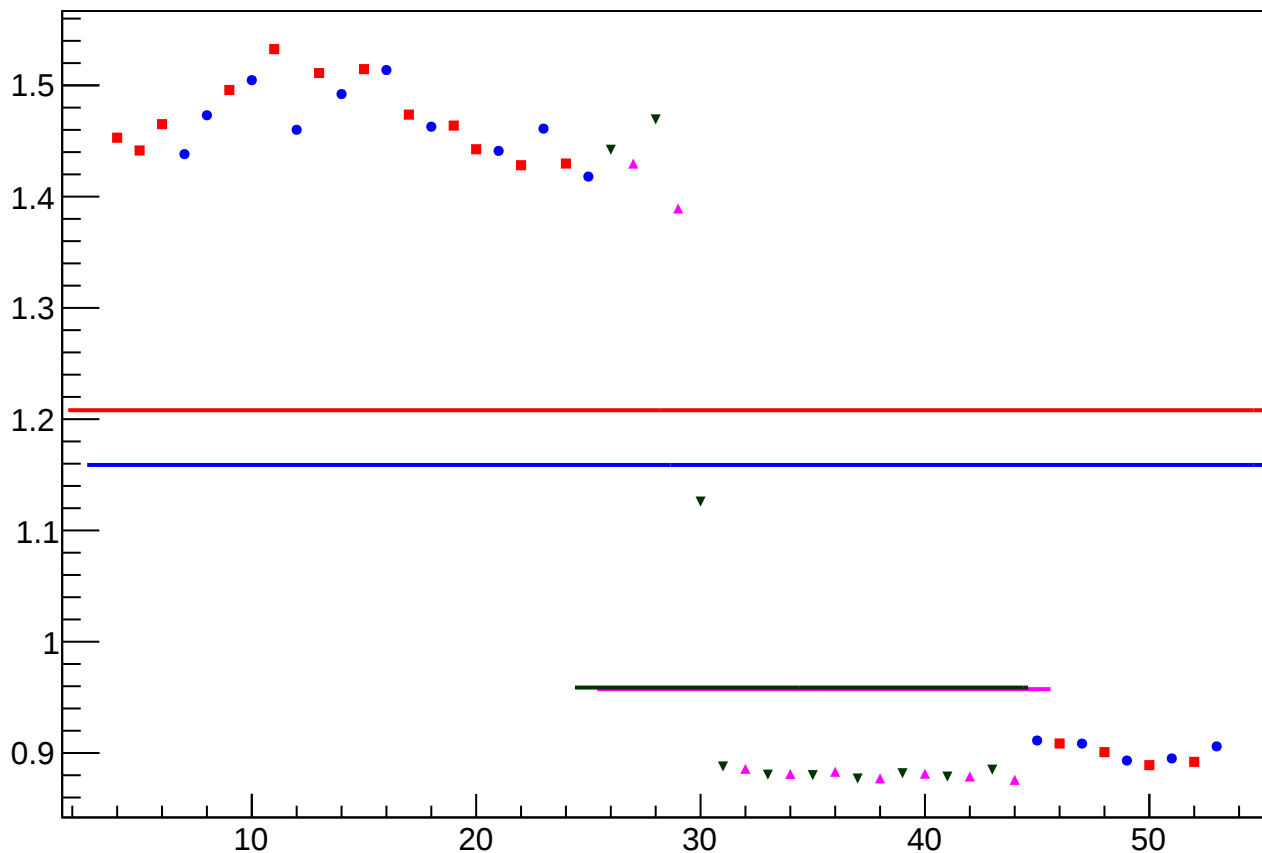
Right Out: -0.387 ± 0.427 $\chi^2/\text{NDF}: 15.5/15$

Left In: -0.010 ± 0.410 $\chi^2/\text{NDF}: 3.0/8$

-0.586 ± 0.285 $\chi^2/\text{NDF}: 40.1/24$

-0.191 ± 0.296 $\chi^2/\text{NDF}: 18.9/24$

asym_cav4dQ_rms vs slug



Right In: 1.159+/-0.000 χ^2/NDF : 1076441.8/14

Left Out: 0.959+/-0.000 χ^2/NDF :370902.6/9

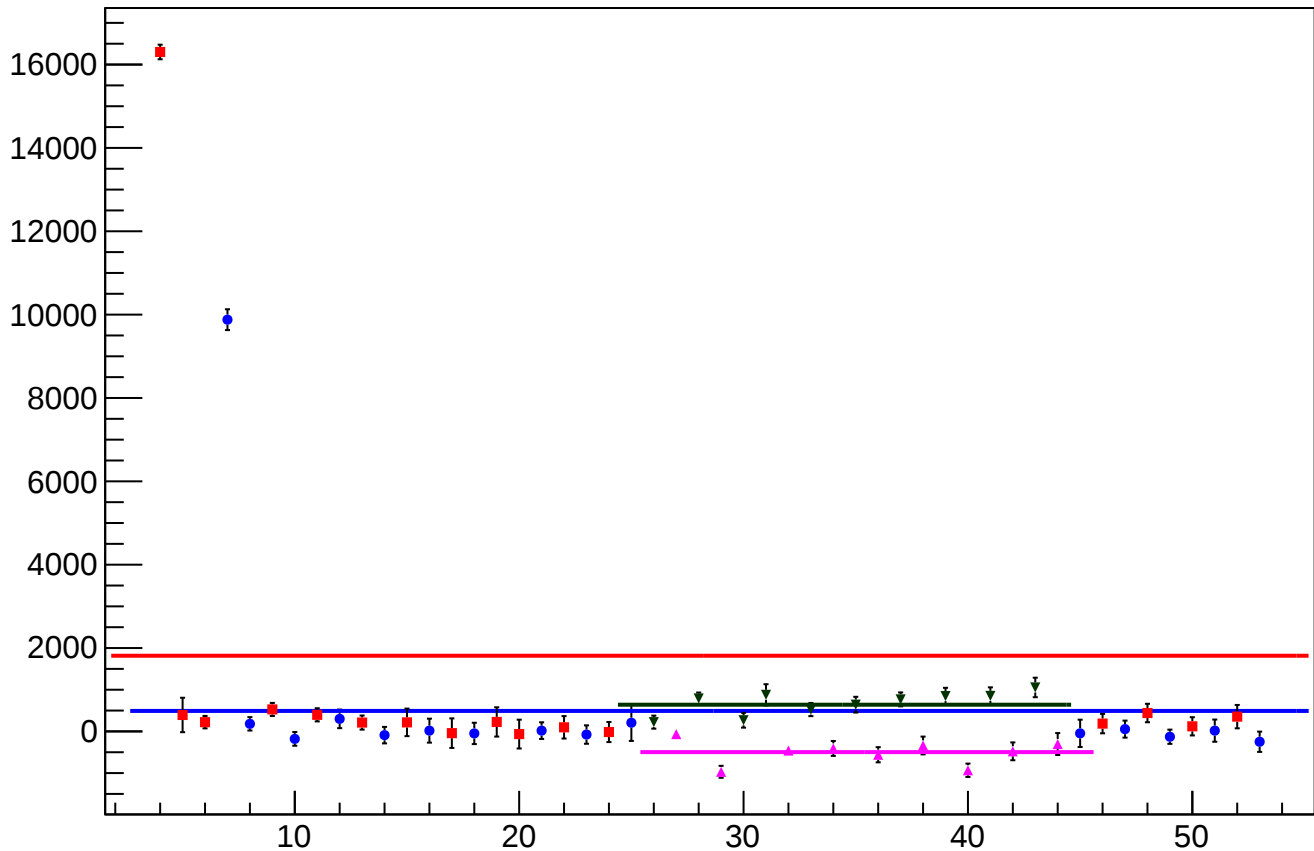
Right Out: 1.208+/-0.000 χ^2/NDF : 927000.3/15

Left In: 0.957+/-0.000 χ^2/NDF :411162.2/8

1.067+/-0.000 χ^2/NDF : 1691631.6/24

1.078+/-0.000 χ^2/NDF : 1696532.8/24

asym_bcm0l02_mean vs slug



Right In: 491.312 ± 56.430 χ^2/NDF : 1492.9/14

Left Out: 640.376 ± 56.927 χ^2/NDF : 19.9/9

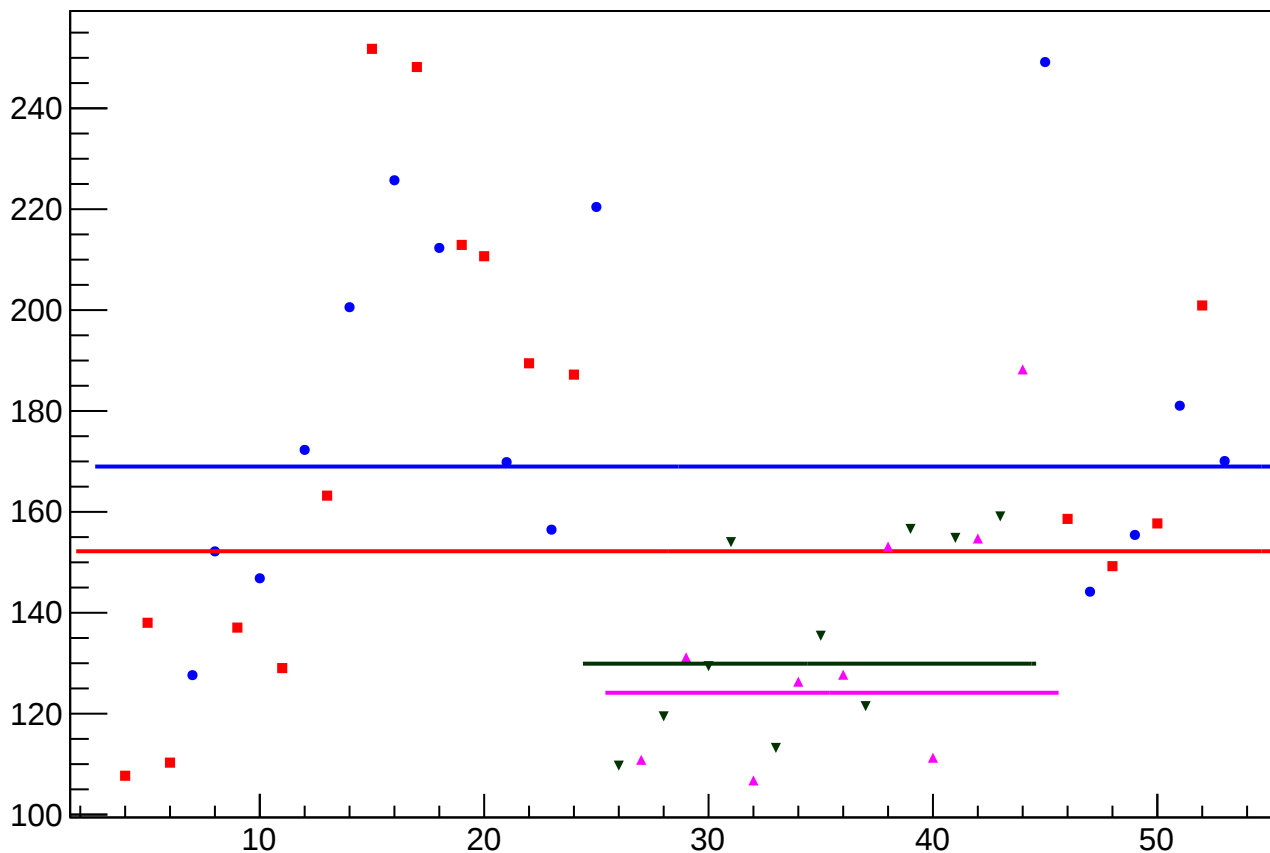
565.191 ± 40.077 χ^2/NDF : 1516.3/24

Right Out: 1815.313 ± 54.550 χ^2/NDF : 7552.8/15

632.770 ± 38.128 χ^2/NDF : 8504.1/24

Left In: -496.812 ± 53.314 χ^2/NDF : 32.4/8

asym_bcm0l02_rms vs slug



Right In: 168.988+/-0.040 χ^2/NDF : 499423.8/14

Left Out: 129.911+/-0.040 χ^2/NDF : 188039.4/9

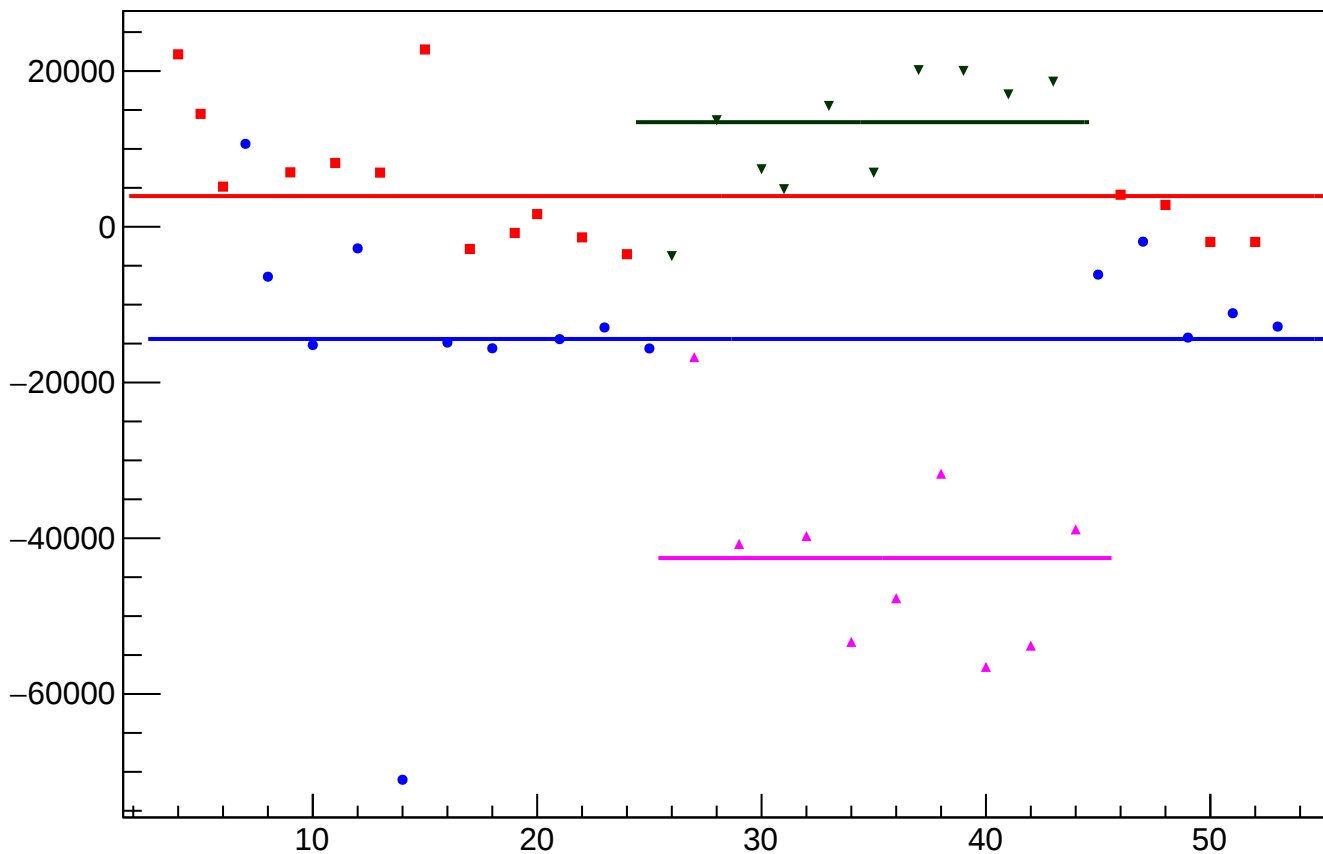
Right Out: 152.196+/-0.039 χ^2/NDF : 948198.2/15

Left In: 124.148+/-0.038 χ^2/NDF : 285531.8/8

149.620+/-0.028 χ^2/NDF : 1162794.2/24

137.851+/-0.027 χ^2/NDF : 1504155.5/24

asym_bpm2i01WS_mean vs slug



Right In: -14408.215+/-36.057 χ^2/NDF : 220233.5/14

Left Out: 13435.021+/-42.371 χ^2/NDF : 28229.6/9

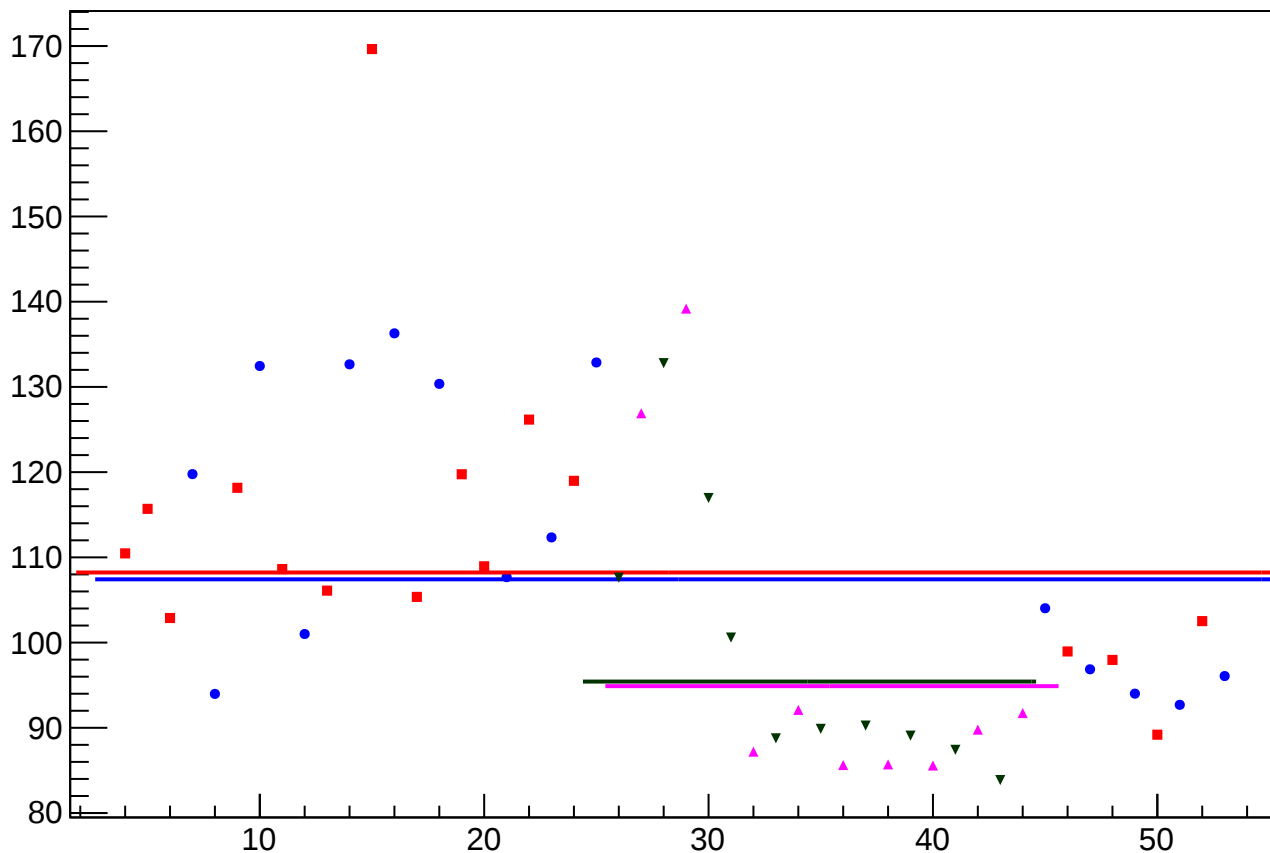
Right Out: 3943.556+/-38.404 χ^2/NDF : 29793.3/15

Left In: -42544.240+/-41.432 χ^2/NDF : 71406.7/8

-2713.823+/-27.460 χ^2/NDF : 498910.4/24

-17539.335+/-28.165 χ^2/NDF : 778349.1/24

asym_bpm2i01WS_rms vs slug



Right In: 107.423+/-0.025 χ^2/NDF : 370052.0/14

Left Out: 95.426+/-0.030 χ^2/NDF :200660.2/9

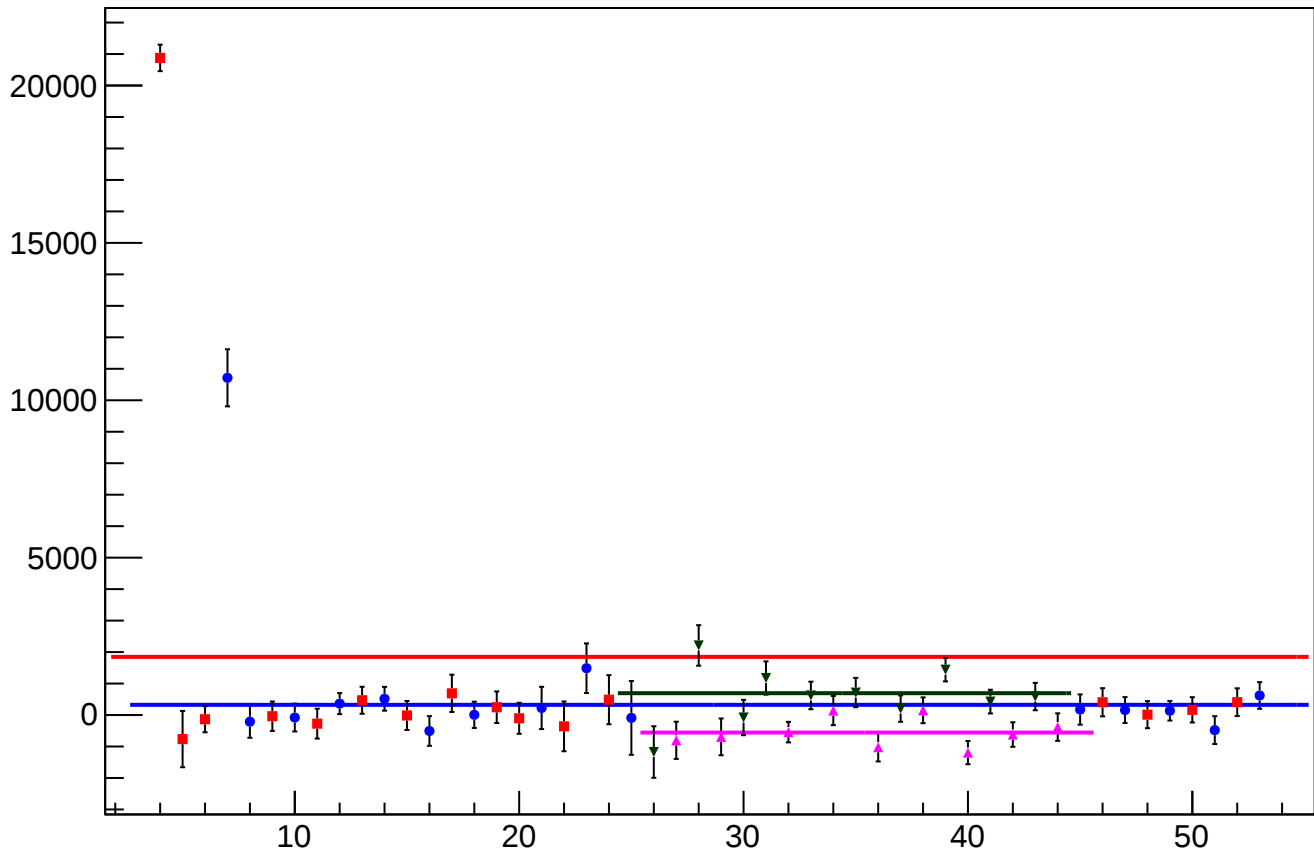
102.384+/-0.019 χ^2/NDF : 663710.7/24

Right Out: 108.225+/-0.027 χ^2/NDF : 260208.4/15

102.062+/-0.020 χ^2/NDF : 686301.5/24

Left In: 94.889+/-0.029 χ^2/NDF :314634.4/8

asym_bpm0i07WS_mean vs slug



Right In: 323.745 ± 117.737 $\chi^2/\text{NDF}: 143.7/14$

Left Out: 693.815 ± 147.932 $\chi^2/\text{NDF}: 19.5/9$

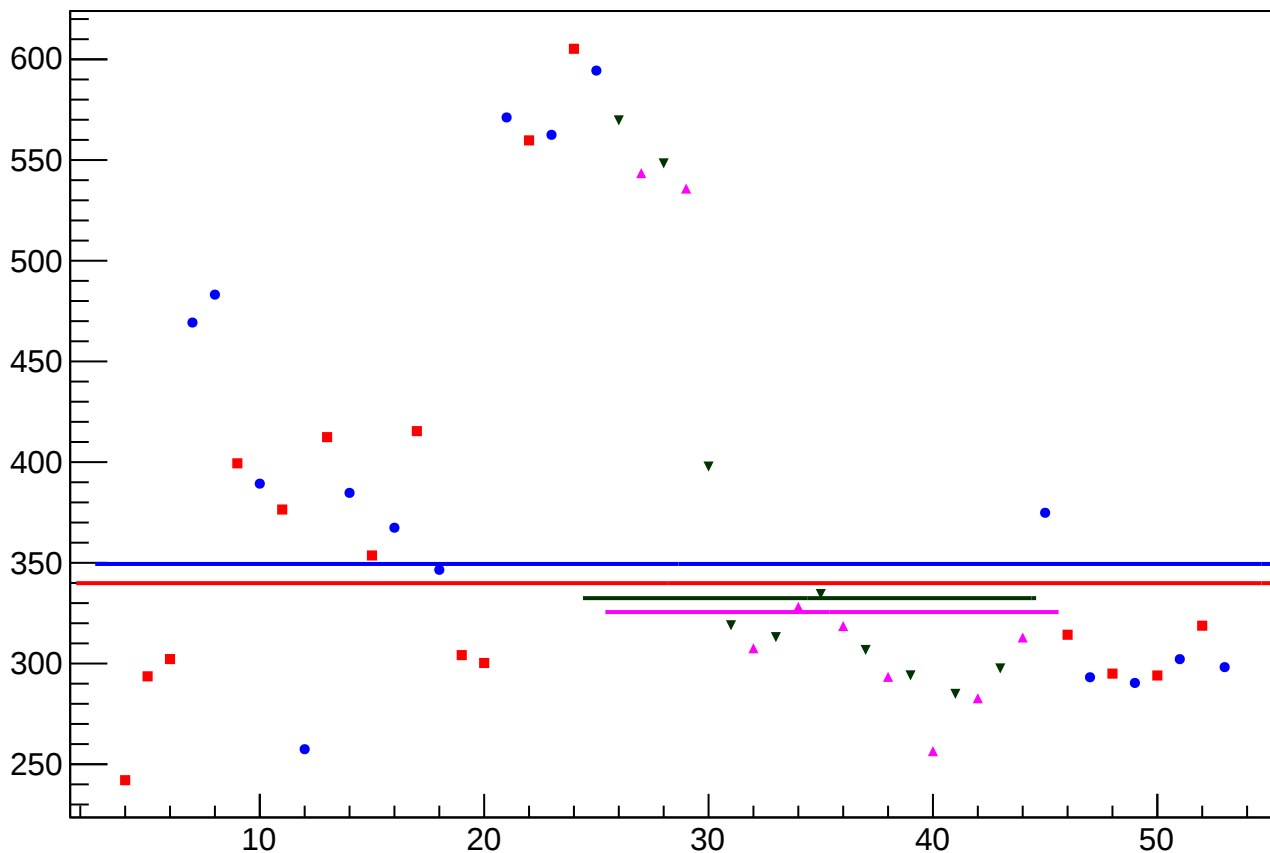
467.257 ± 92.122 $\chi^2/\text{NDF}: 167.0/24$

Right Out: 1848.008 ± 121.447 $\chi^2/\text{NDF}: 2237.6/15$

Left In: -556.564 ± 141.592 $\chi^2/\text{NDF}: 9.7/8$

828.803 ± 92.183 $\chi^2/\text{NDF}: 2413.5/24$

asym_bpm0i07WS_rms vs slug



Right In: 349.442 $\pm$ 0.083 χ^2 /NDF: 978008.9/14

Left Out: 332.466 $\pm$ 0.105 χ^2 /NDF: 498518.7/9

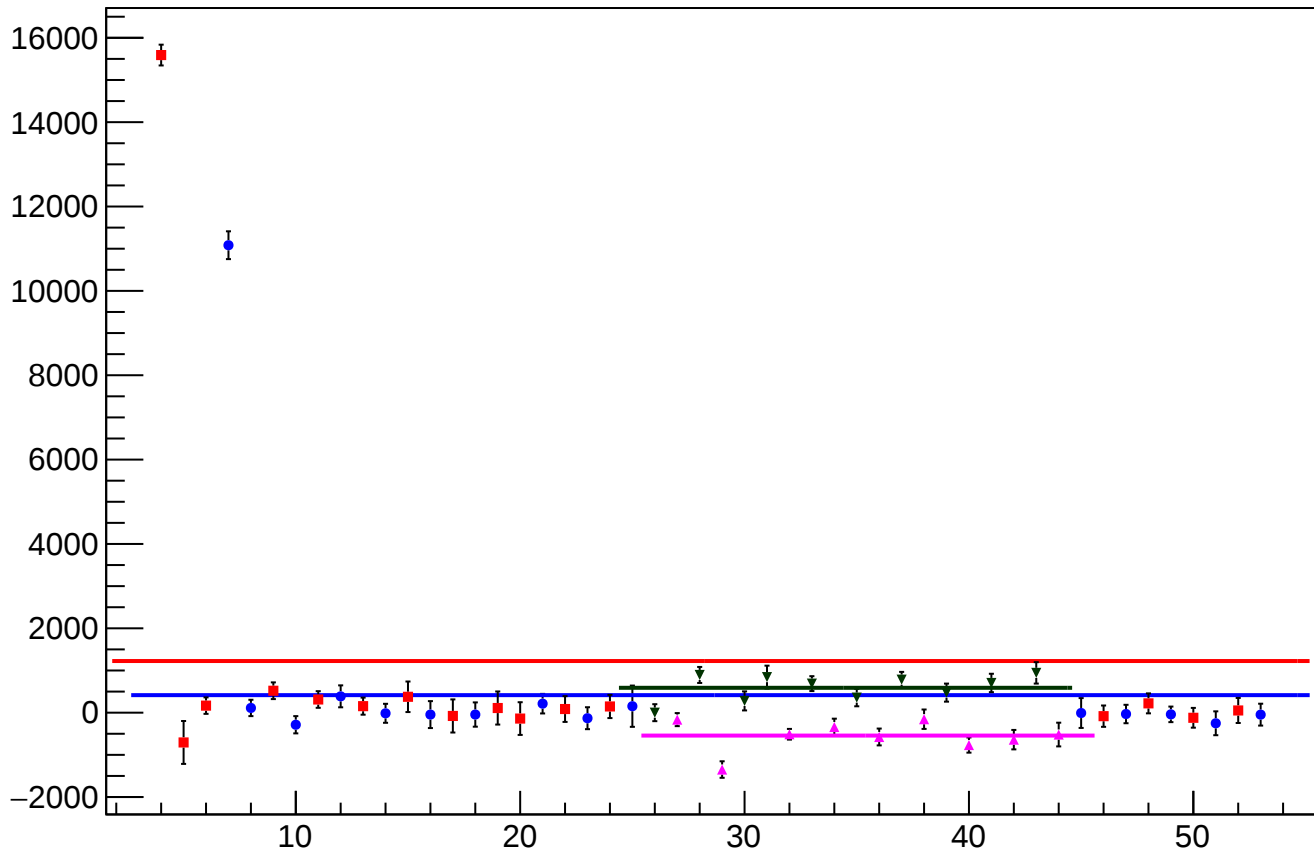
Right Out: 339.905 $\pm$ 0.086 χ^2 /NDF: 734215.8/15

Left In: 325.557 $\pm$ 0.100 χ^2 /NDF: 646591.2/8

342.859 $\pm$ 0.065 χ^2 /NDF: 1492652.2/24

333.823 $\pm$ 0.065 χ^2 /NDF: 1392639.0/24

asym_bpm0l01WS_mean vs slug



Right In: 415.573 ± 64.627 $\chi^2/\text{NDF}: 1095.5/14$

Left Out: 589.690 ± 66.057 $\chi^2/\text{NDF}: 19.1/9$

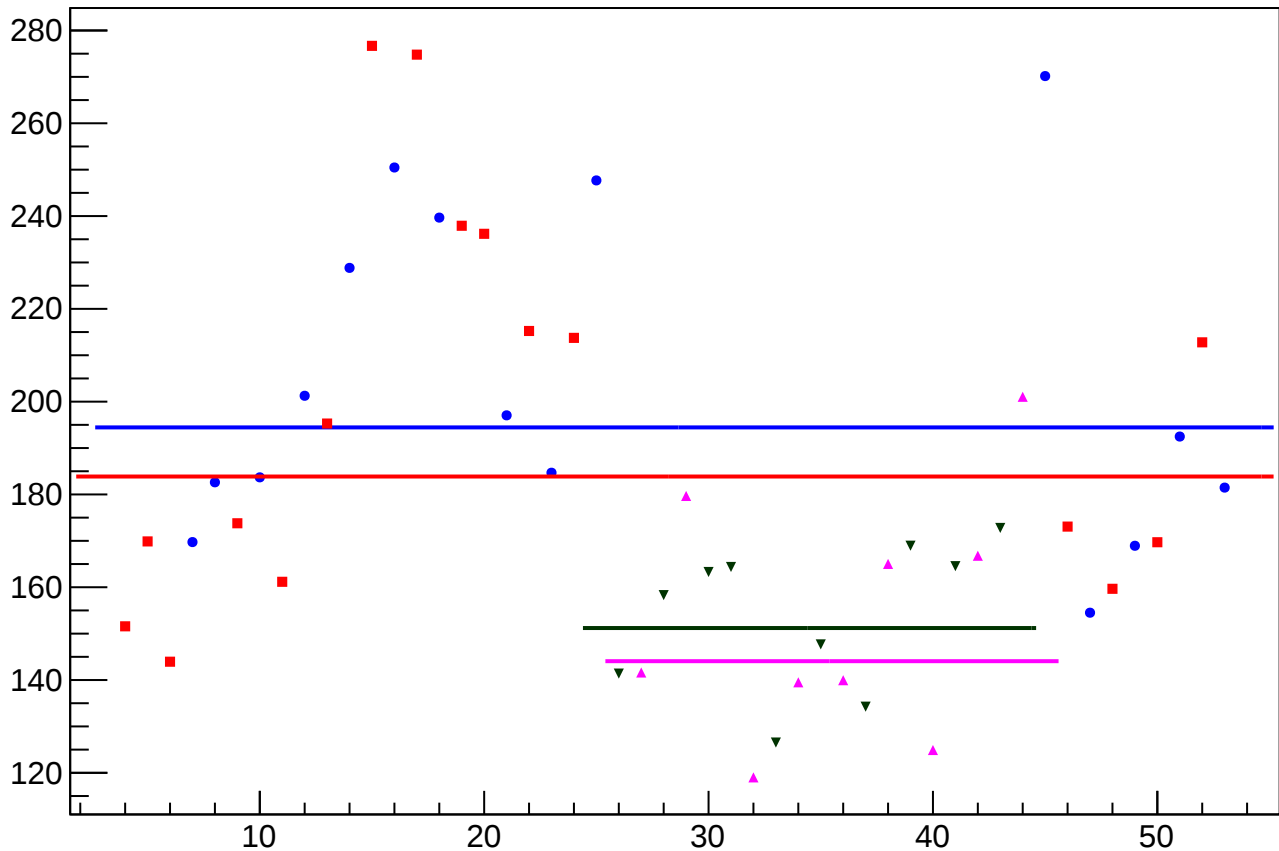
500.726 ± 46.195 $\chi^2/\text{NDF}: 1118.2/24$

Right Out: 1224.473 ± 65.021 $\chi^2/\text{NDF}: 3665.2/15$

295.176 ± 44.774 $\chi^2/\text{NDF}: 4082.3/24$

Left In: -542.908 ± 61.747 $\chi^2/\text{NDF}: 28.6/8$

asym_bpm0l01WS_rms vs slug



Right In: 194.450+/-0.046 χ^2/NDF : 411731.8/14

Left Out: 151.207+/-0.047 χ^2/NDF :110209.2/9

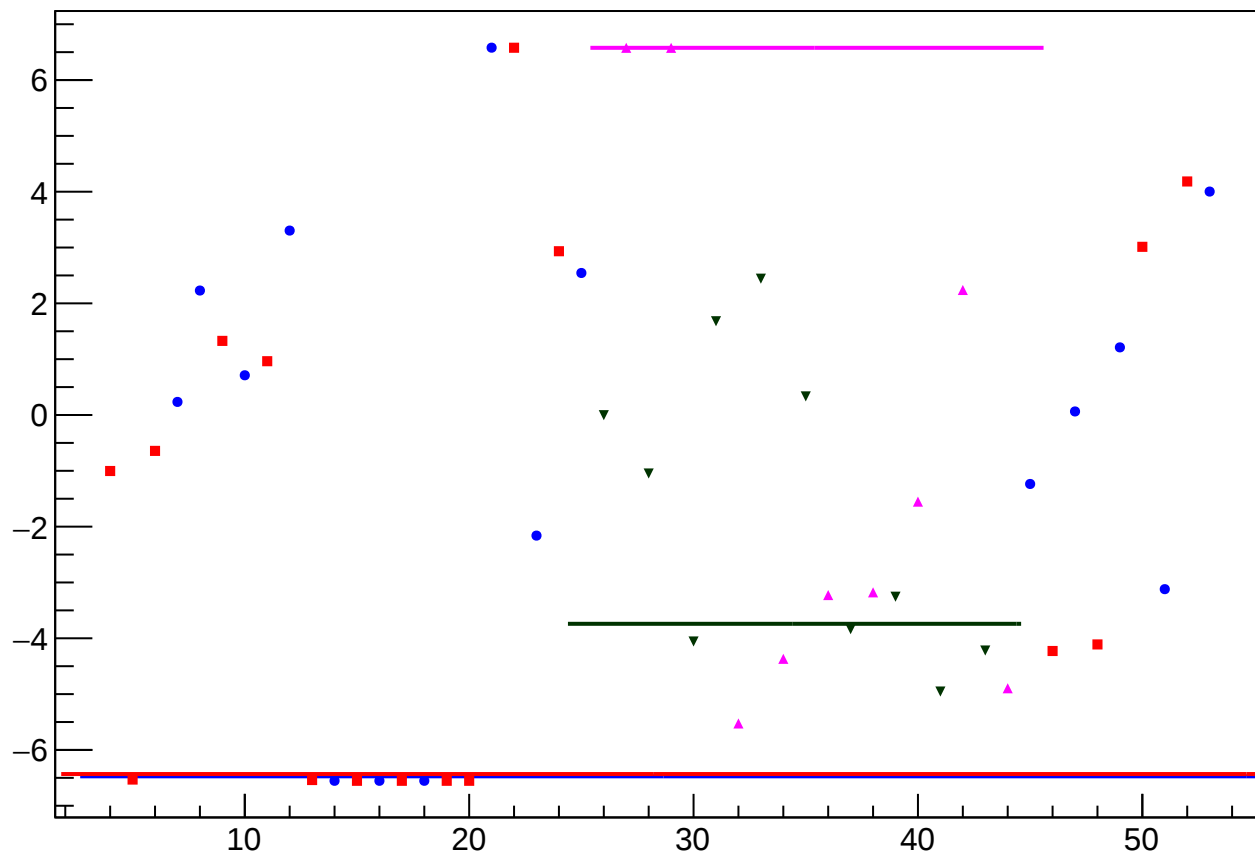
Right Out: 183.863+/-0.046 χ^2/NDF : 566365.8/15

Left In: 144.061+/-0.044 χ^2/NDF :287746.6/8

173.301+/-0.033 χ^2/NDF : 959864.0/24

162.935+/-0.032 χ^2/NDF : 1248181.9/24

yield_cav4bX_mean vs slug



Right In: -6.473+/-0.000 χ^2/NDF : 127847945182582.2/14

Left Out: -3.741+/-0.001 χ^2/NDF : 5731885.1/9

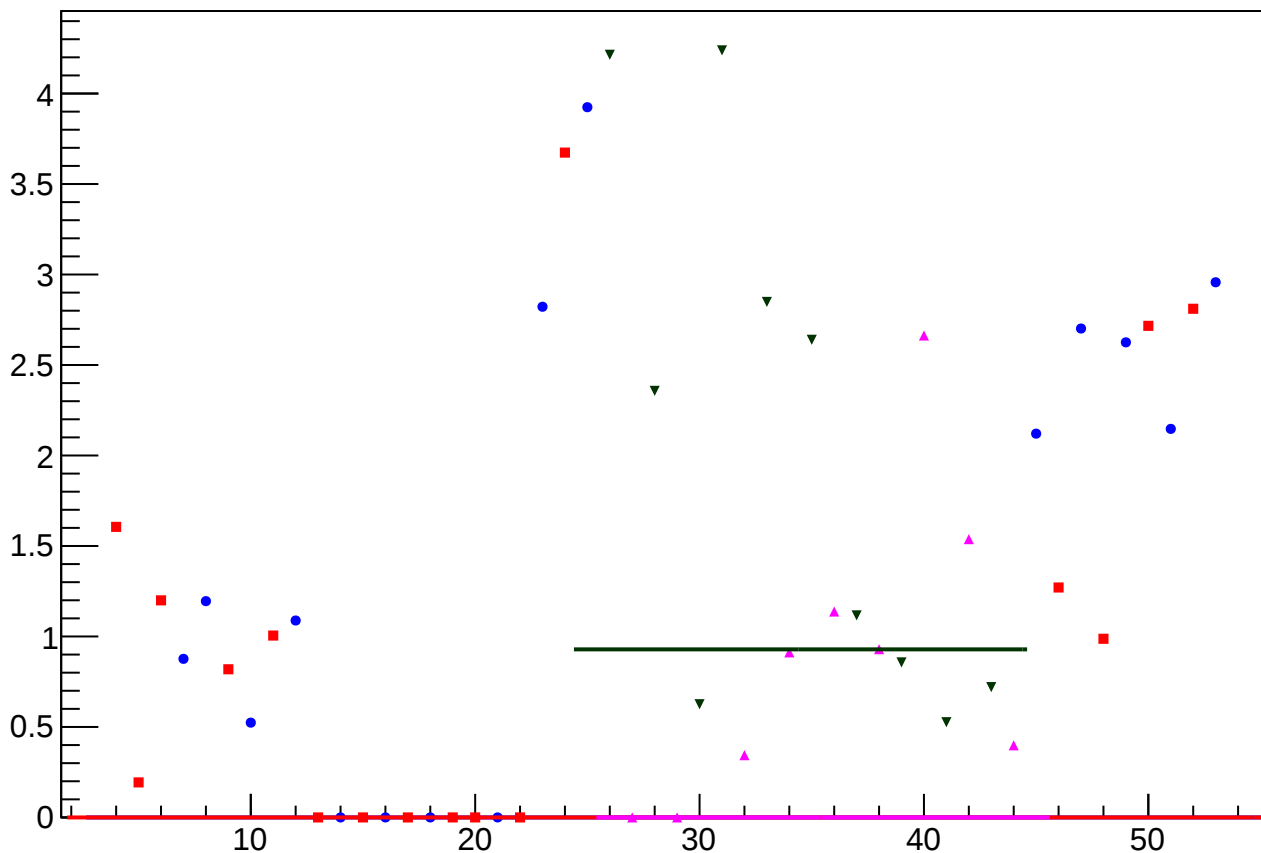
Right Out: -6.432+/-0.000 χ^2/NDF : 150837615230104.3/15

Left In: 6.578+/-0.000 χ^2/NDF : 822807717.8/8

-6.473+/-0.000 χ^2/NDF : 127847969565464.2/2

-6.315+/-0.000 χ^2/NDF : 297092124513460.4/2

yield_cav4bX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 8983321.4/14

Left Out: 0.929+/-0.000 χ^2/NDF :2482114.1/9

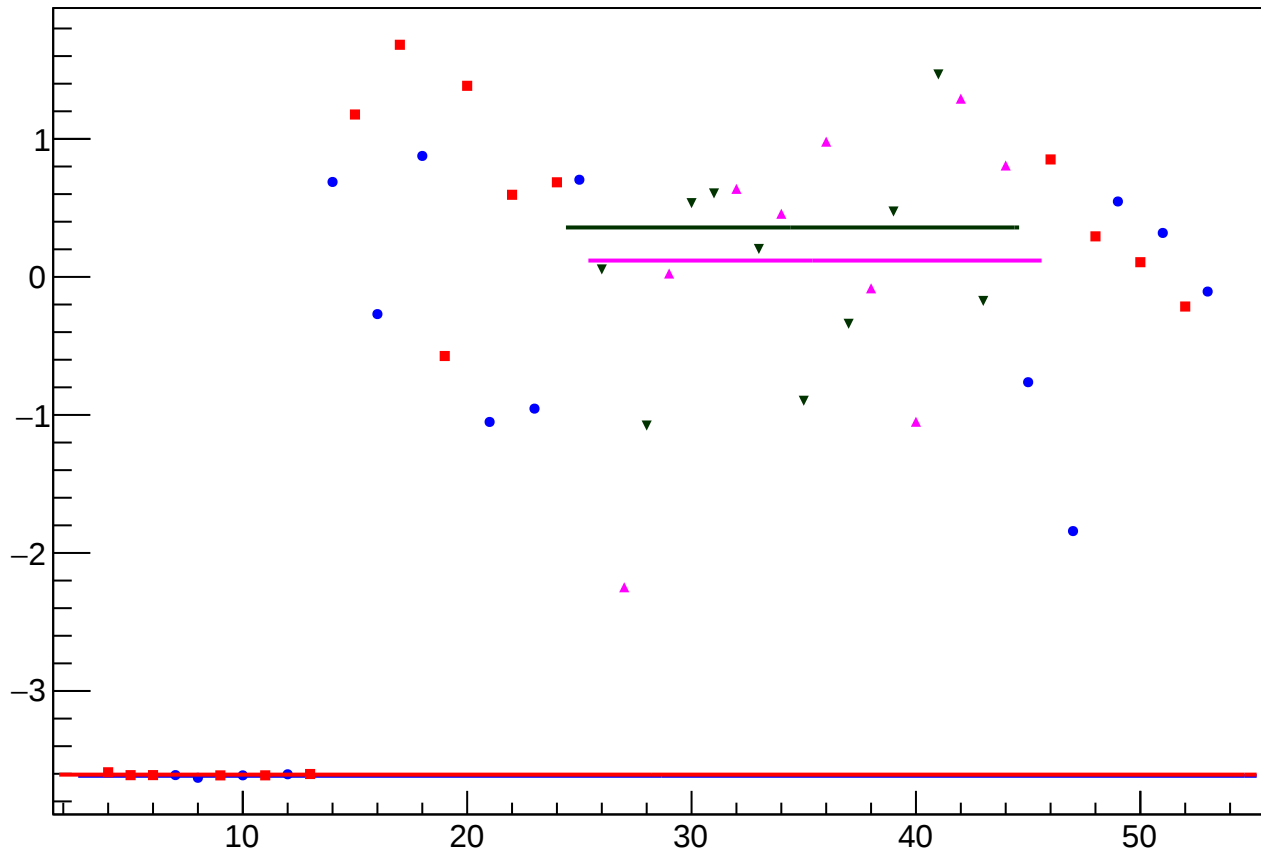
Right Out: 0.000+/-0.000 χ^2/NDF : 6962802.5/15

Left In: 0.000+/-0.000 χ^2/NDF :4631448.1/8

0.000+/-0.000 χ^2/NDF : 15774915.0/24

0.000+/-0.000 χ^2/NDF : 11594345.3/24

yield_cav4bY_mean vs slug



Right In: -3.614 ± 0.000 χ^2/NDF : 49080848788.0/14

Left Out: 0.358 ± 0.000 χ^2/NDF : 6673360.6/9

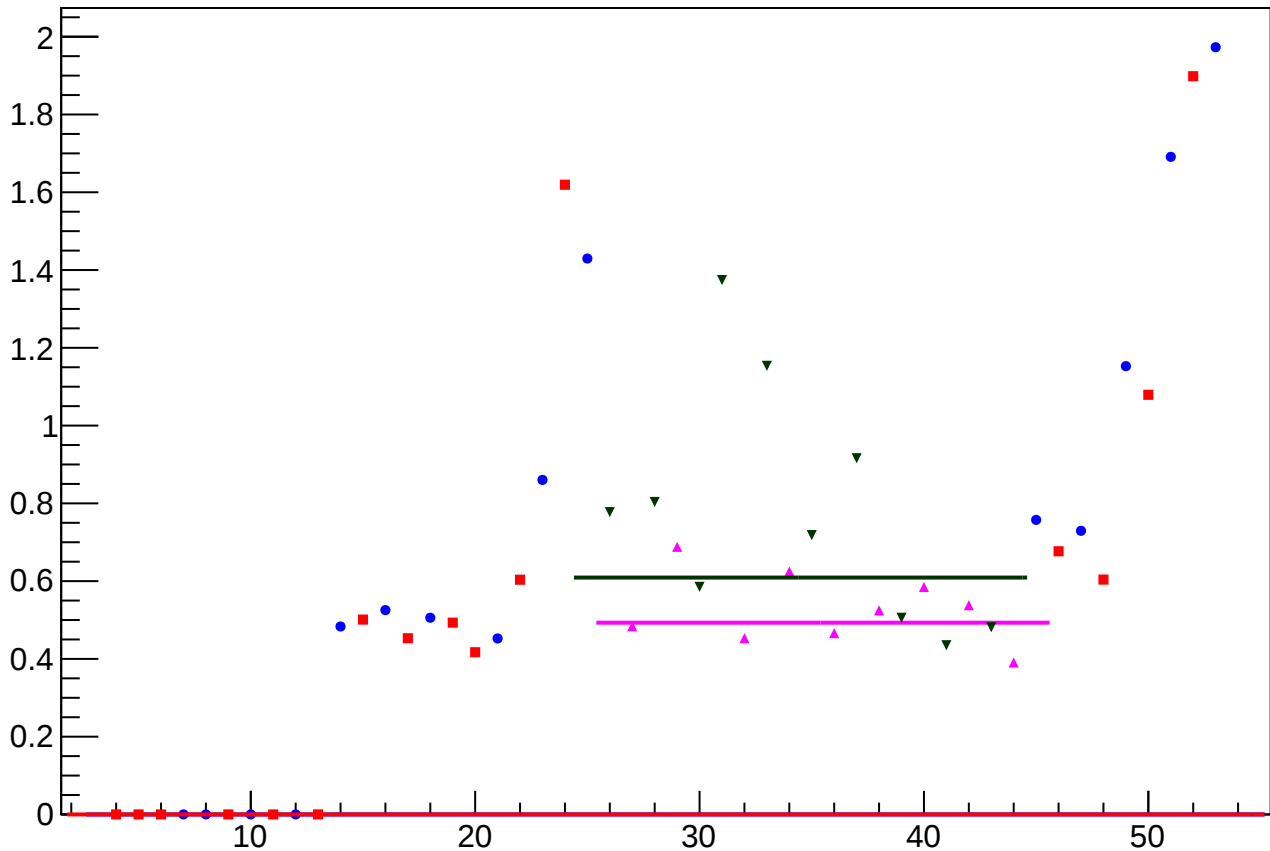
-3.614 ± 0.000 χ^2/NDF : 49235090079.2/24

Right Out: -3.606 ± 0.000 χ^2/NDF : 37788139458.8/15

-3.606 ± 0.000 χ^2/NDF : 38027660825.1/24

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 : 10246501.4/14

Left Out: 0.609+/-0.000 χ^2/NDF : 799340.0/9

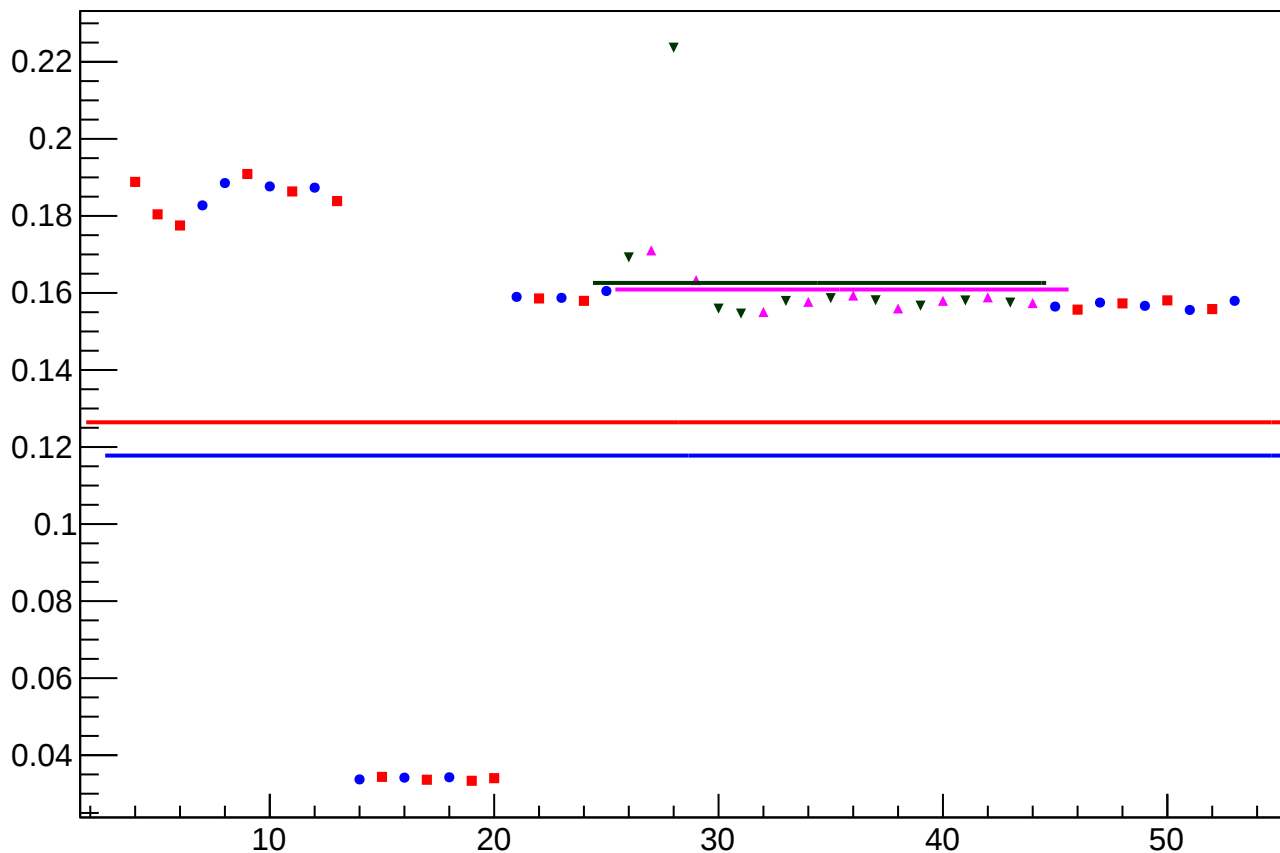
0.000+/-0.000 χ^2/NDF : 17983873.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 7522933.8/15

0.000+/-0.000 χ^2/NDF : 15427767.0/24

Left In: 0.493+/-0.000 χ^2/NDF : 214040.2/8

yield_cav4cX_mean vs slug



Right In: 0.118+/-0.000 χ^2/NDF : 4925059712.4/14

Left Out: 0.163+/-0.000 χ^2/NDF :101593637.2/9

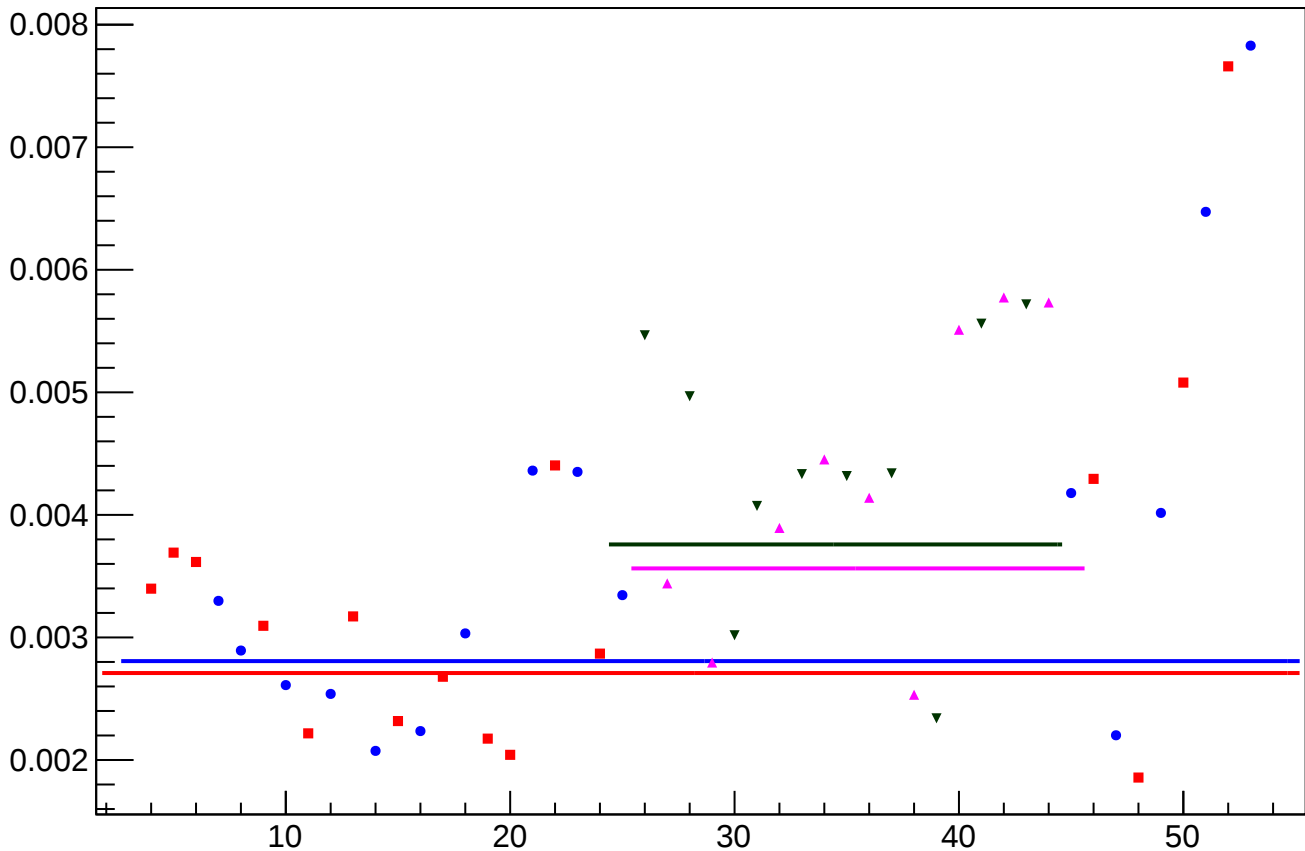
Right Out: 0.126+/-0.000 χ^2/NDF : 4406459685.2/15

Left In: 0.161+/-0.000 χ^2/NDF :11671584.7/8

0.129+/-0.000 χ^2/NDF : 5521013910.0/24

0.136+/-0.000 χ^2/NDF : 4747492044.2/24

yield_cav4cX_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 1687206.6/14

Left Out: 0.004+/-0.000 χ^2/NDF :884952.0/9

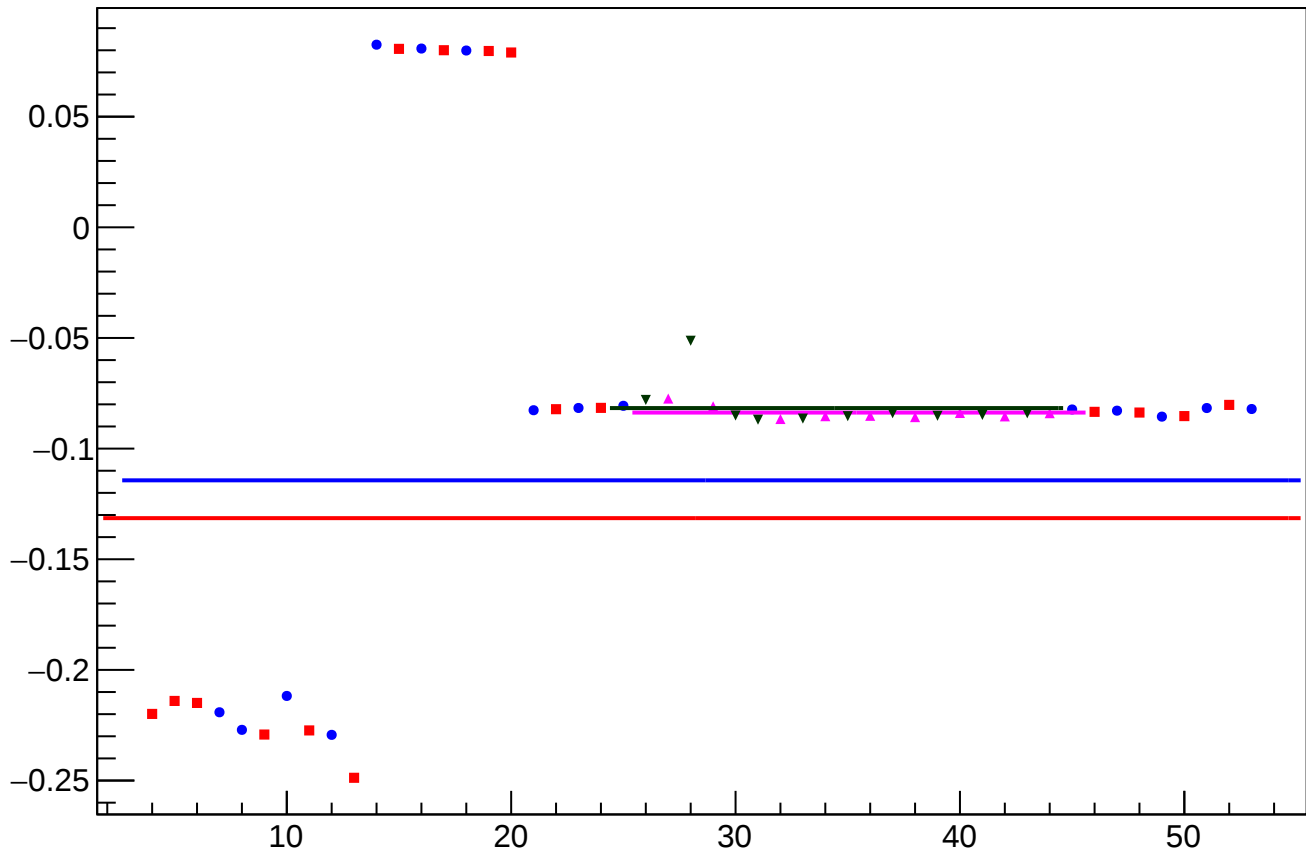
Right Out: 0.003+/-0.000 χ^2/NDF : 1477136.2/15

Left In: 0.004+/-0.000 χ^2/NDF :752035.9/8

0.003+/-0.000 χ^2/NDF : 3018078.3/24

0.003+/-0.000 χ^2/NDF : 2633069.3/24

yield_cav4cY_mean vs slug



Right In: -0.114+/-0.000 χ^2/NDF : 9670186526.3/14

Left Out: -0.082+/-0.000 χ^2/NDF : 35856752.9/9

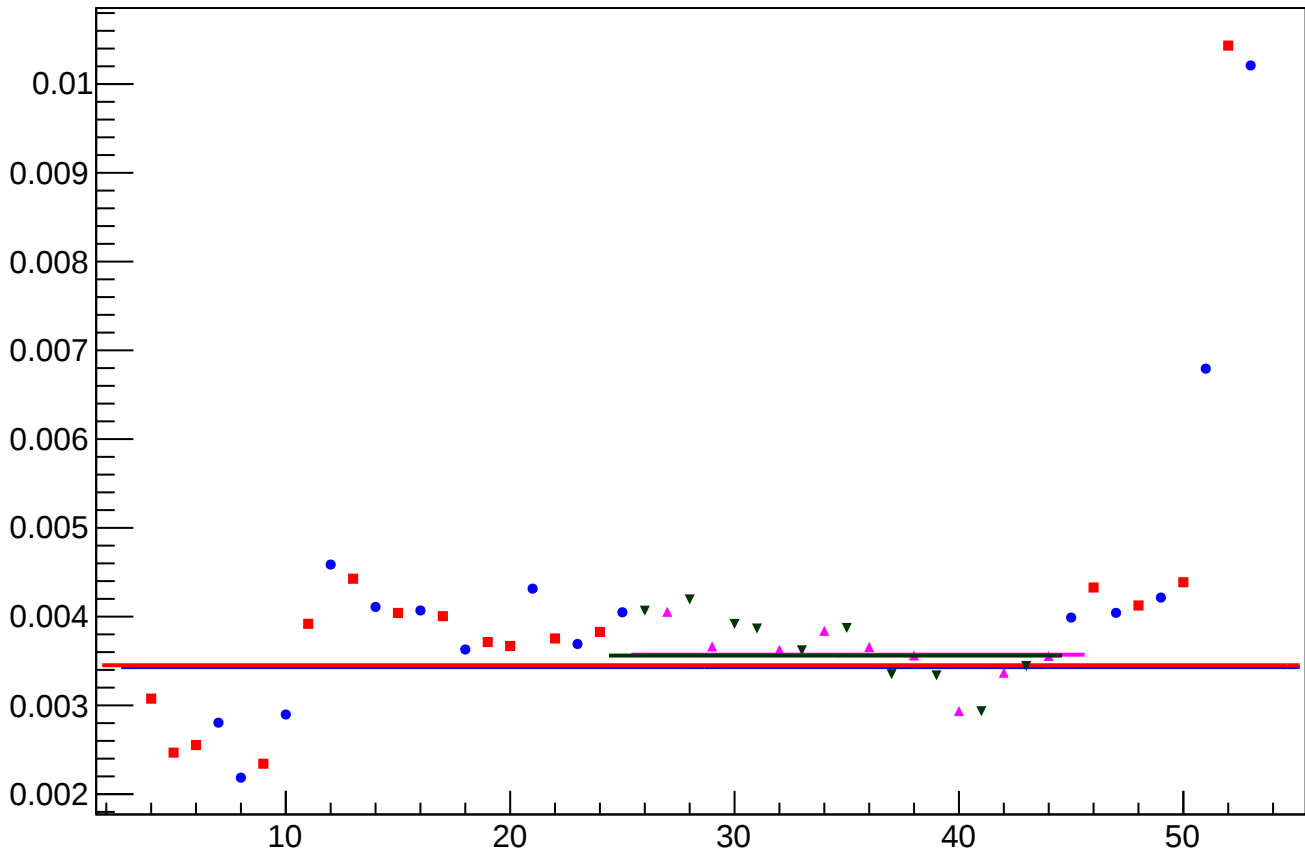
Right Out: -0.131+/-0.000 χ^2/NDF : 8834966609.3/15

Left In: -0.084+/-0.000 χ^2/NDF : 3521413.4/8

-0.102+/-0.000 χ^2/NDF : 9975376686.1/24

-0.112+/-0.000 χ^2/NDF : 9412452321.1/24

yield_cav4cY_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 1580434.3/14

Left Out: 0.004+/-0.000 χ^2/NDF :124023.6/9

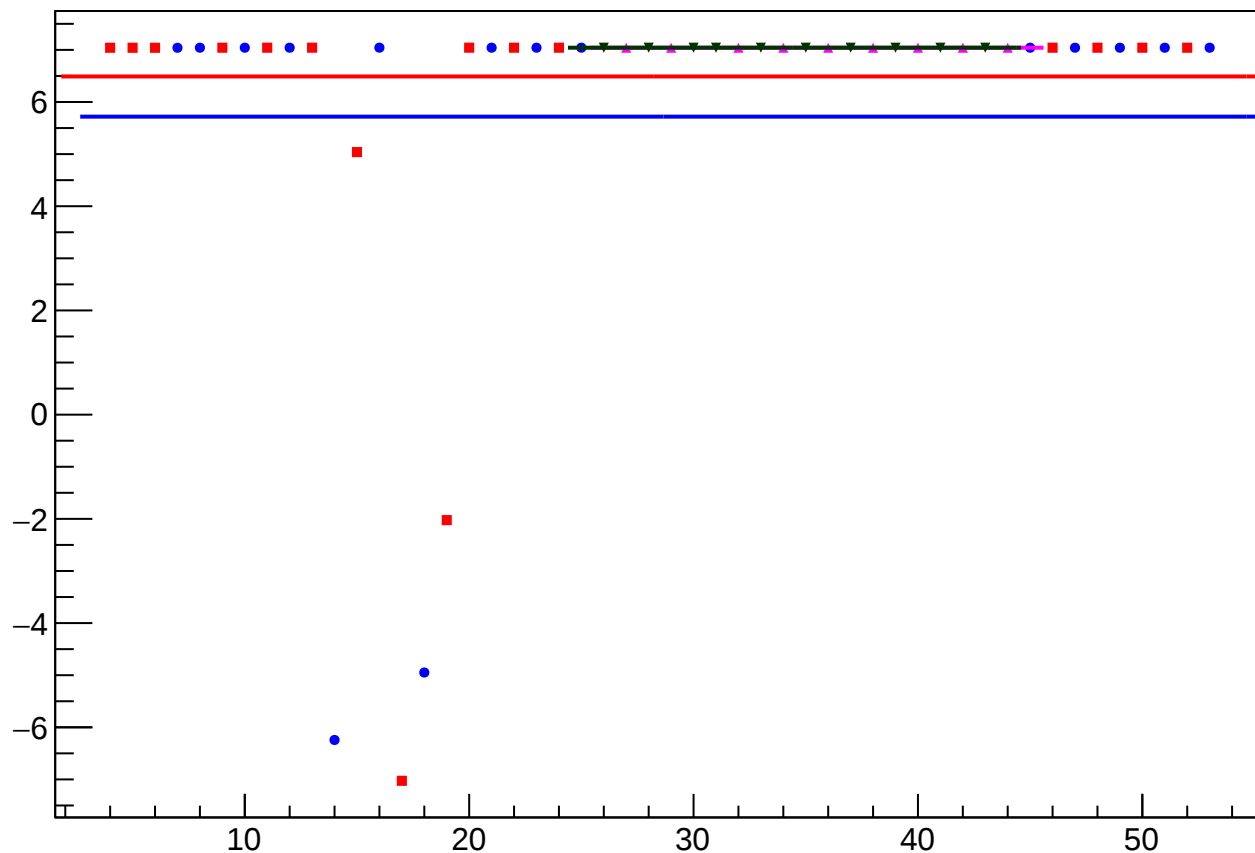
0.003+/-0.000 χ^2/NDF : 1712938.6/24

Right Out: 0.003+/-0.000 χ^2/NDF : 1195261.3/15

0.004+/-0.000 χ^2/NDF : 1281619.5/24

Left In: 0.004+/-0.000 χ^2/NDF :79207.1/8

yield_cav4dX_mean vs slug



Right In: 5.719+/-0.000 χ^2/NDF : 4522205578654837.0/14

Left Out: 7.042+/-0.000 χ^2/NDF : 765209.6/9

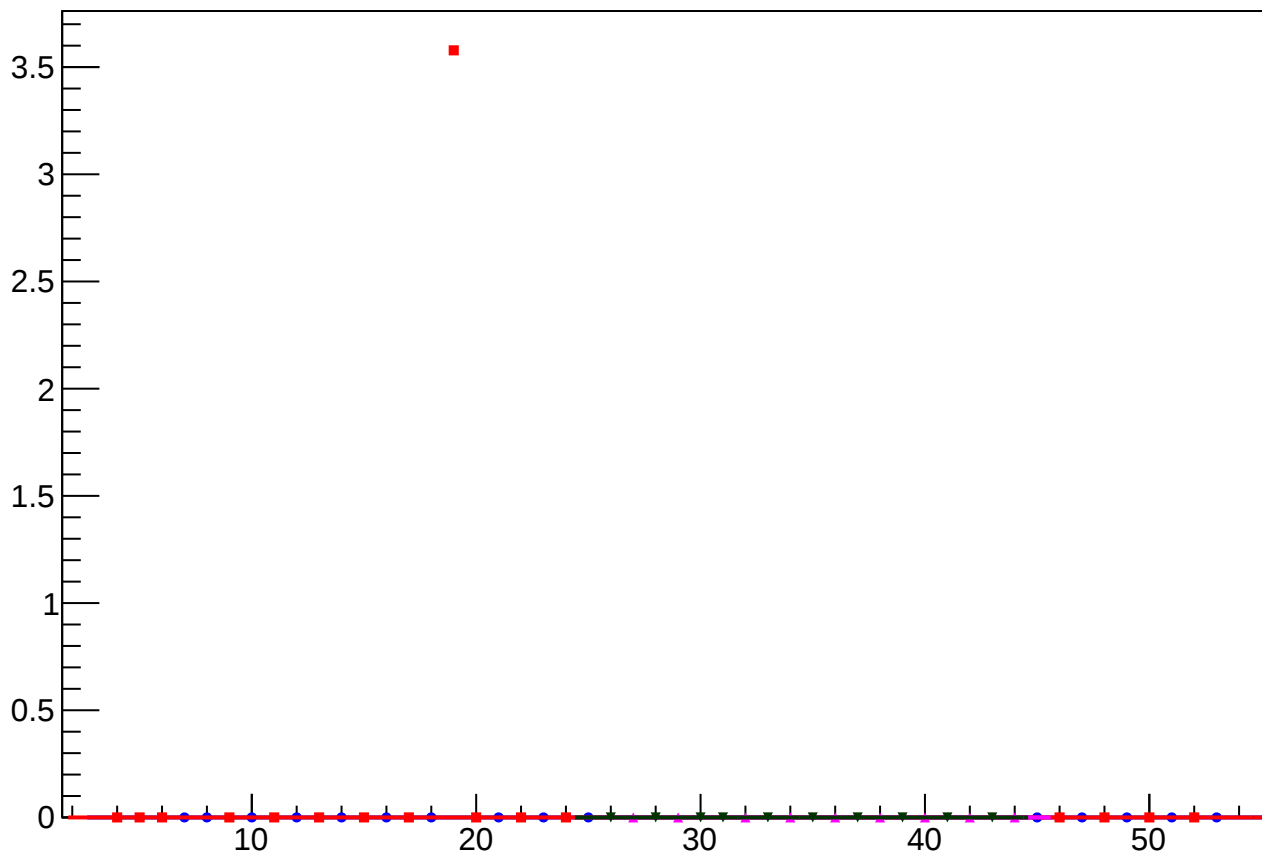
Right Out: 6.490+/-0.000 χ^2/NDF : 1843895935866755.0/15

Left In: 7.042+/-0.000 χ^2/NDF : 540646.4/8

6.261+/-0.000 χ^2/NDF : 4731273132910814.0/2

6.744+/-0.000 χ^2/NDF : 1879659917434271.8/2

yield_cav4dX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 3417.9/14

Left Out: 0.000+/-0.000 χ^2/NDF :1535.6/9

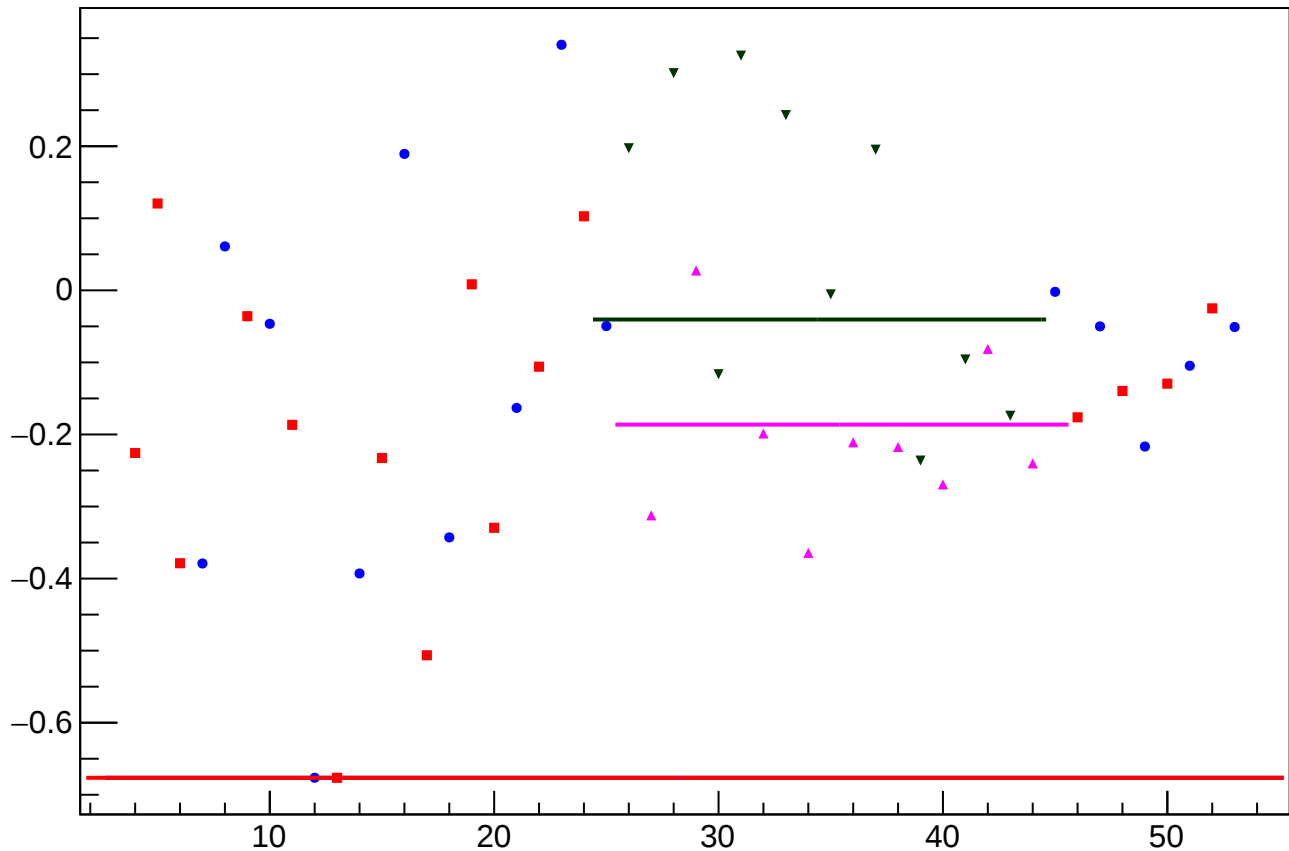
Right Out: 0.000+/-0.000 χ^2/NDF : 697041.0/15

Left In: 0.000+/-0.000 χ^2/NDF :1769.6/8

0.000+/-0.000 χ^2/NDF : 6224.1/24

0.000+/-0.000 χ^2/NDF : 702341.3/24

yield_cav4dY_mean vs slug



Right In: -0.676+/-0.000 χ^2/NDF : 259966120.5/14

Left Out: -0.040+/-0.000 χ^2/NDF : 16704113.3/9

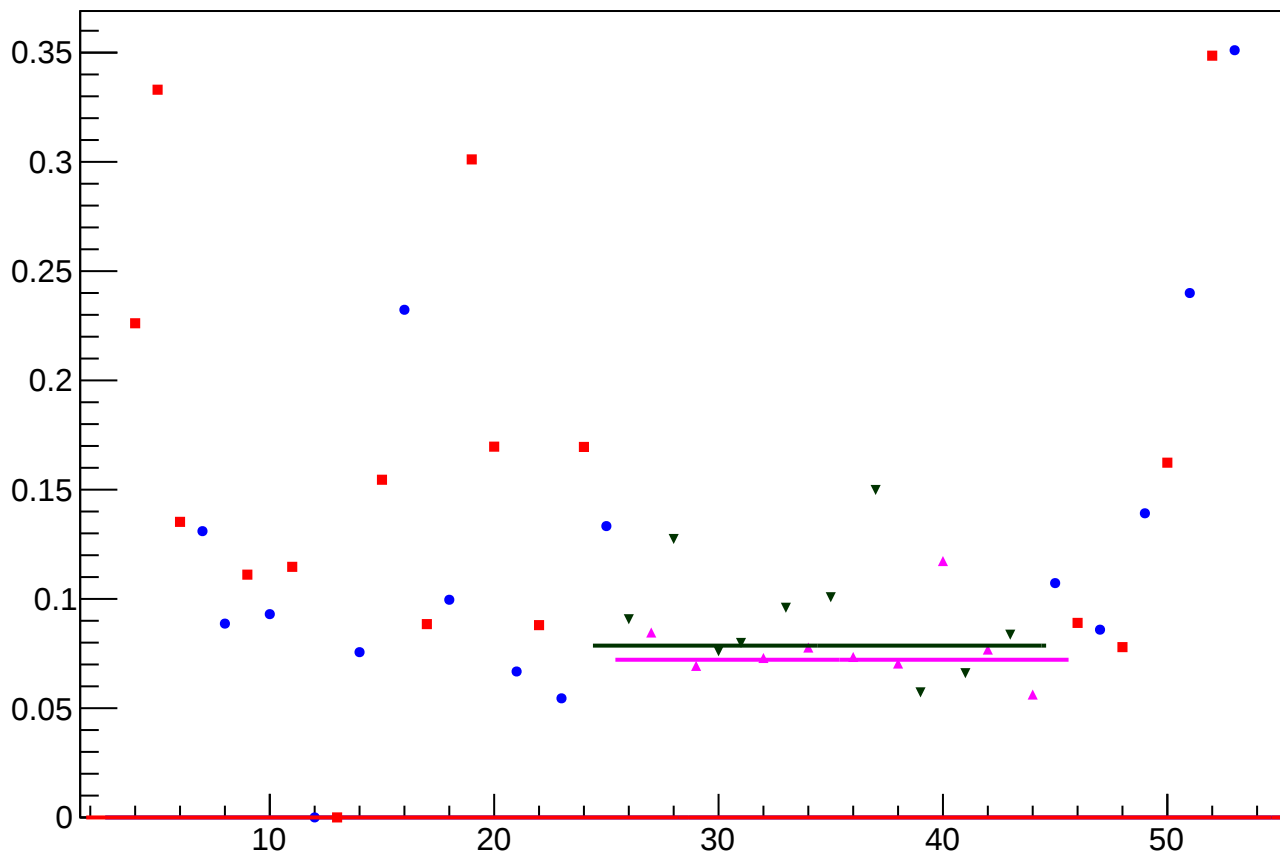
-0.676+/-0.000 χ^2/NDF : 464705589.7/24

Right Out: -0.676+/-0.000 χ^2/NDF : 95375450.3/15

-0.676+/-0.000 χ^2/NDF : 261222913.6/24

Left In: -0.186+/-0.000 χ^2/NDF : 8365095.9/8

yield_cav4dY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 12838048.4/14

Left Out: 0.079+/-0.000 χ^2/NDF : 452862.6/9

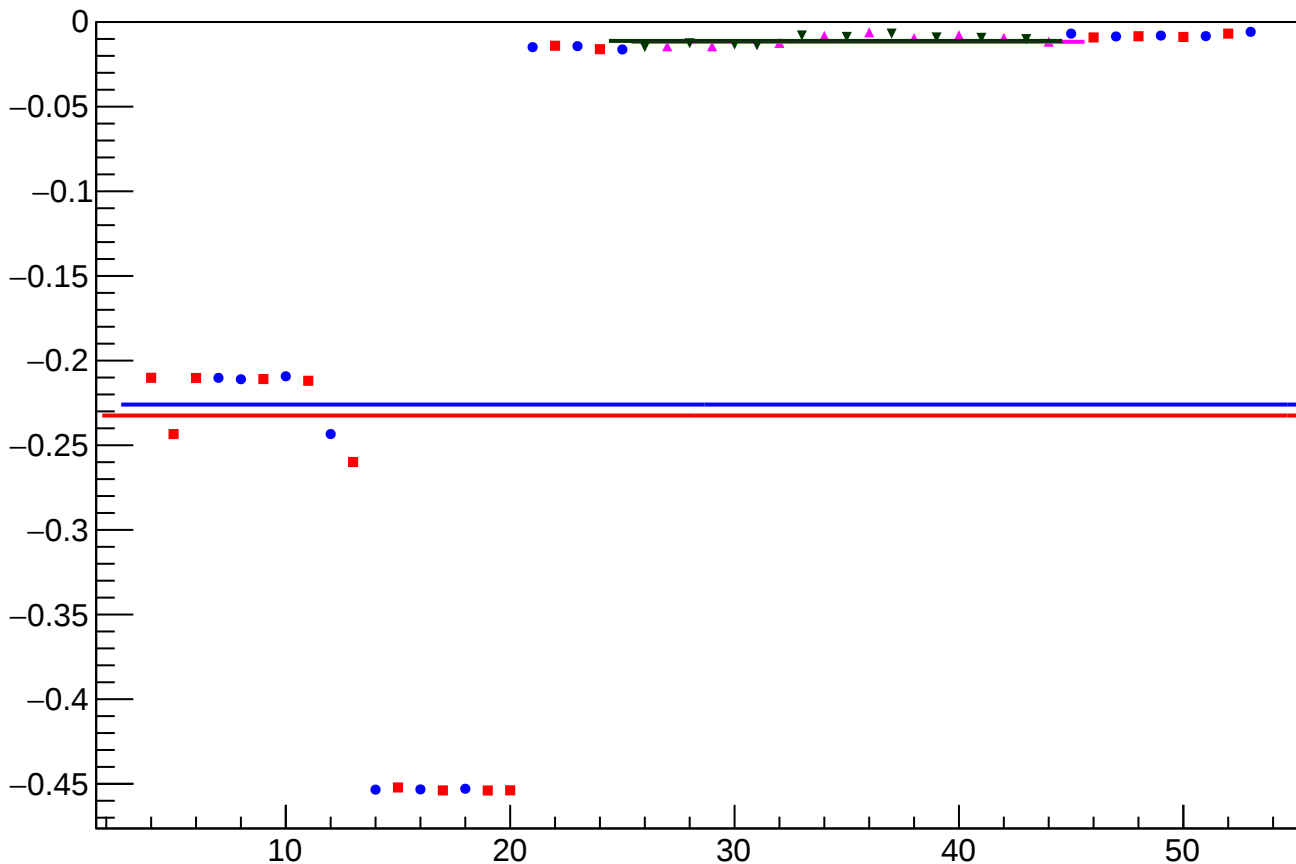
Right Out: 0.000+/-0.000 χ^2/NDF : 10964993.8/15

Left In: 0.072+/-0.000 χ^2/NDF : 192884.5/8

0.000+/-0.000 χ^2/NDF : 19037656.9/24

0.000+/-0.000 χ^2/NDF : 17983064.2/24

yield_bpm4aX_mean vs slug



Right In: -0.226+/-0.000 χ^2/NDF : 4919177075.7/14

Left Out: -0.011+/-0.000 χ^2/NDF : 401443.1/9

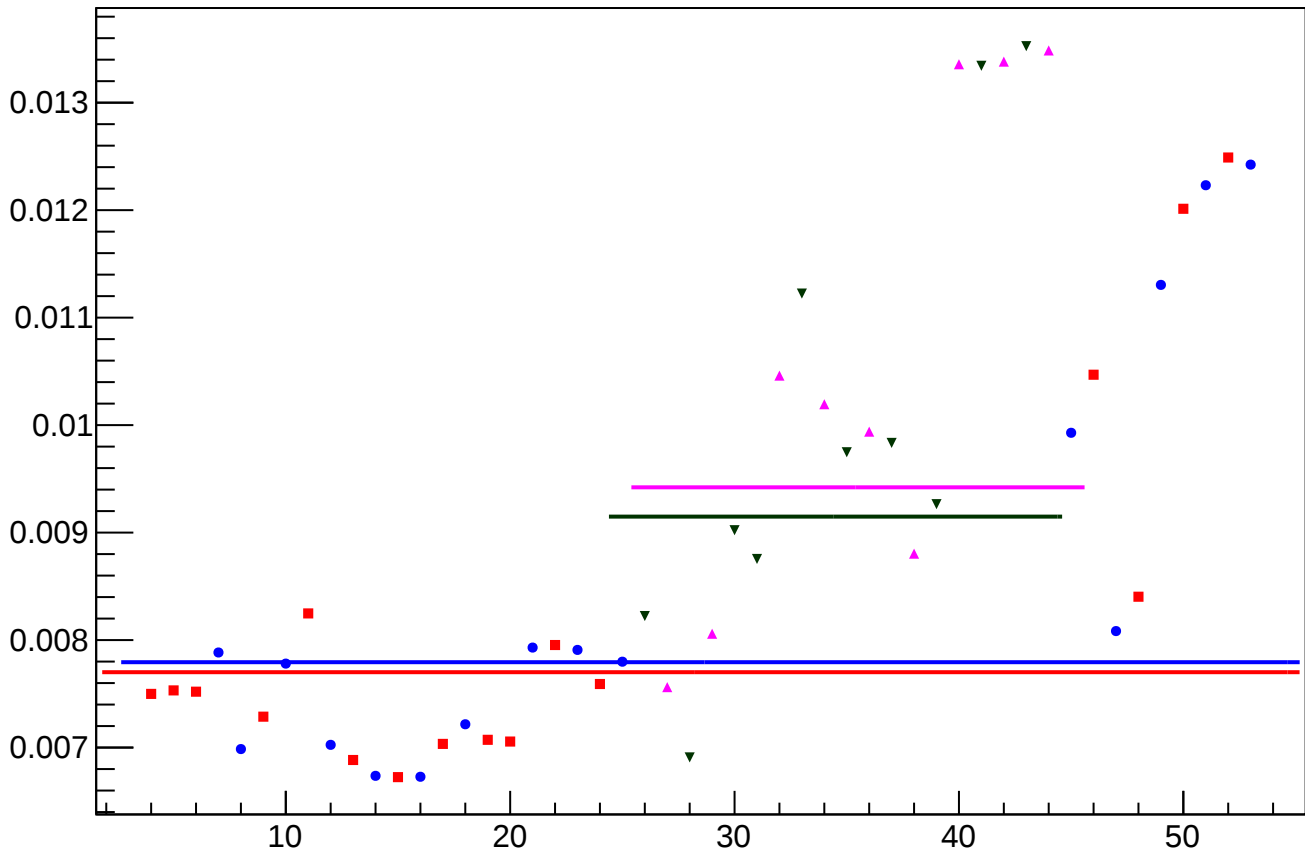
-0.164+/-0.000 χ^2/NDF : 6892304805.8/24

Right Out: -0.232+/-0.000 χ^2/NDF : 3644119482.0/15

-0.165+/-0.000 χ^2/NDF : 5676796321.9/24

Left In: -0.012+/-0.000 χ^2/NDF : 495469.4/8

yield_bpm4aX_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 614065.5/14

Left Out: 0.009+/-0.000 χ^2/NDF : 410320.9/9

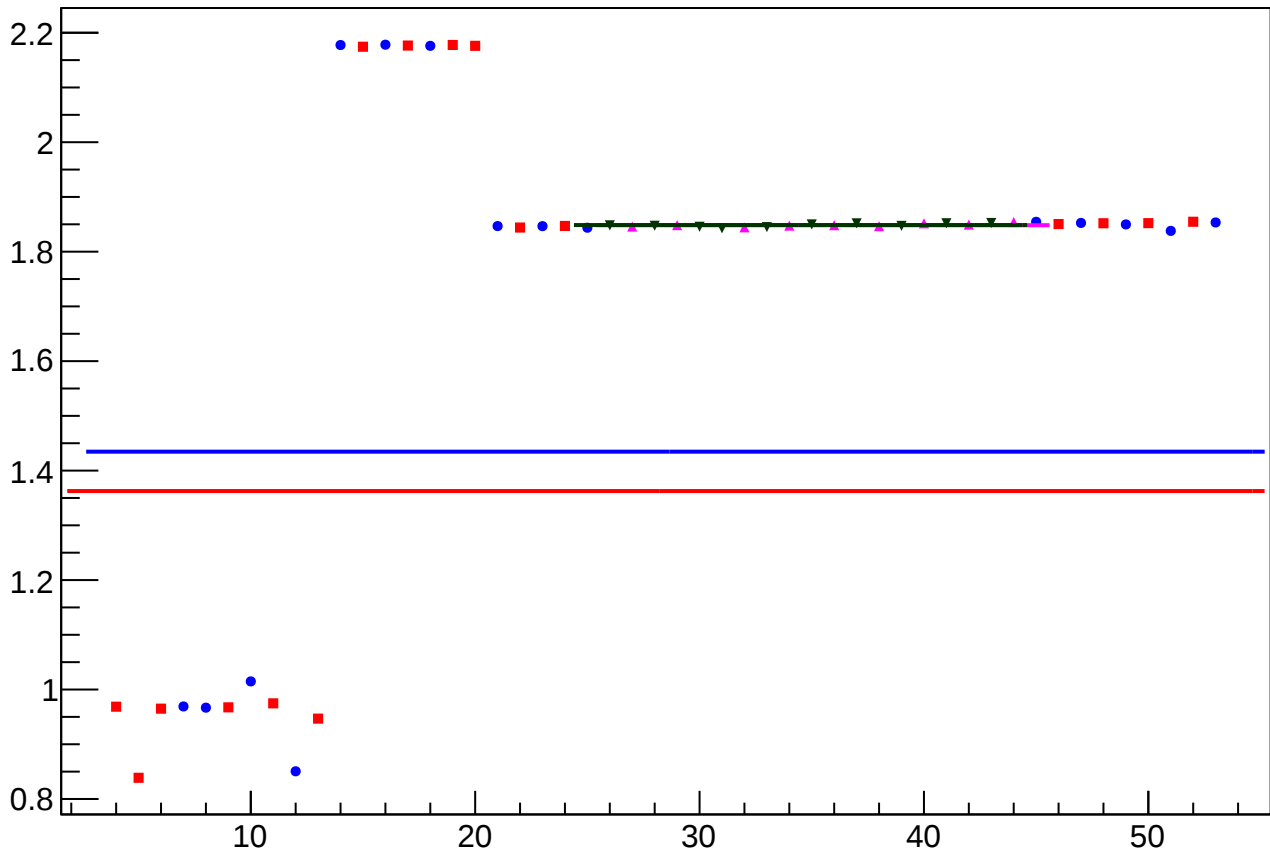
Right Out: 0.008+/-0.000 χ^2/NDF : 446426.0/15

Left In: 0.009+/-0.000 χ^2/NDF : 449025.1/8

0.008+/-0.000 χ^2/NDF : 1181292.9/24

0.008+/-0.000 χ^2/NDF : 1142196.9/24

yield_bpm4aY_mean vs slug



Right In: 1.435+/-0.000 χ^2/NDF : 14094025298.3/14

Left Out: 1.849+/-0.000 χ^2/NDF :239961.3/9

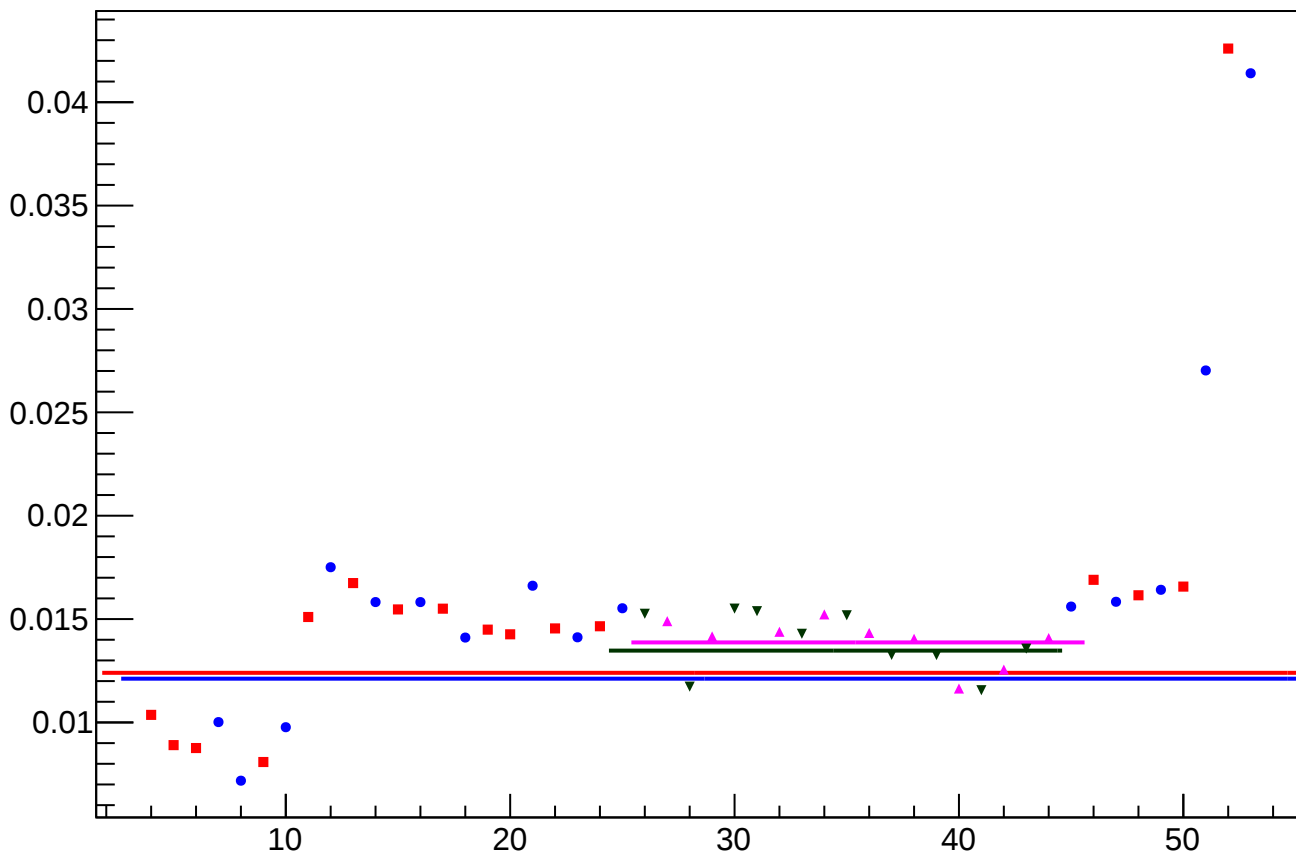
1.577+/-0.000 χ^2/NDF : 17212826649.6/24

Right Out: 1.363+/-0.000 χ^2/NDF : 12463386607.1/15

1.545+/-0.000 χ^2/NDF : 16647316250.9/24

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 : 2318296.1/14

Left Out: 0.013+/-0.000 χ^2/NDF :115364.2/9

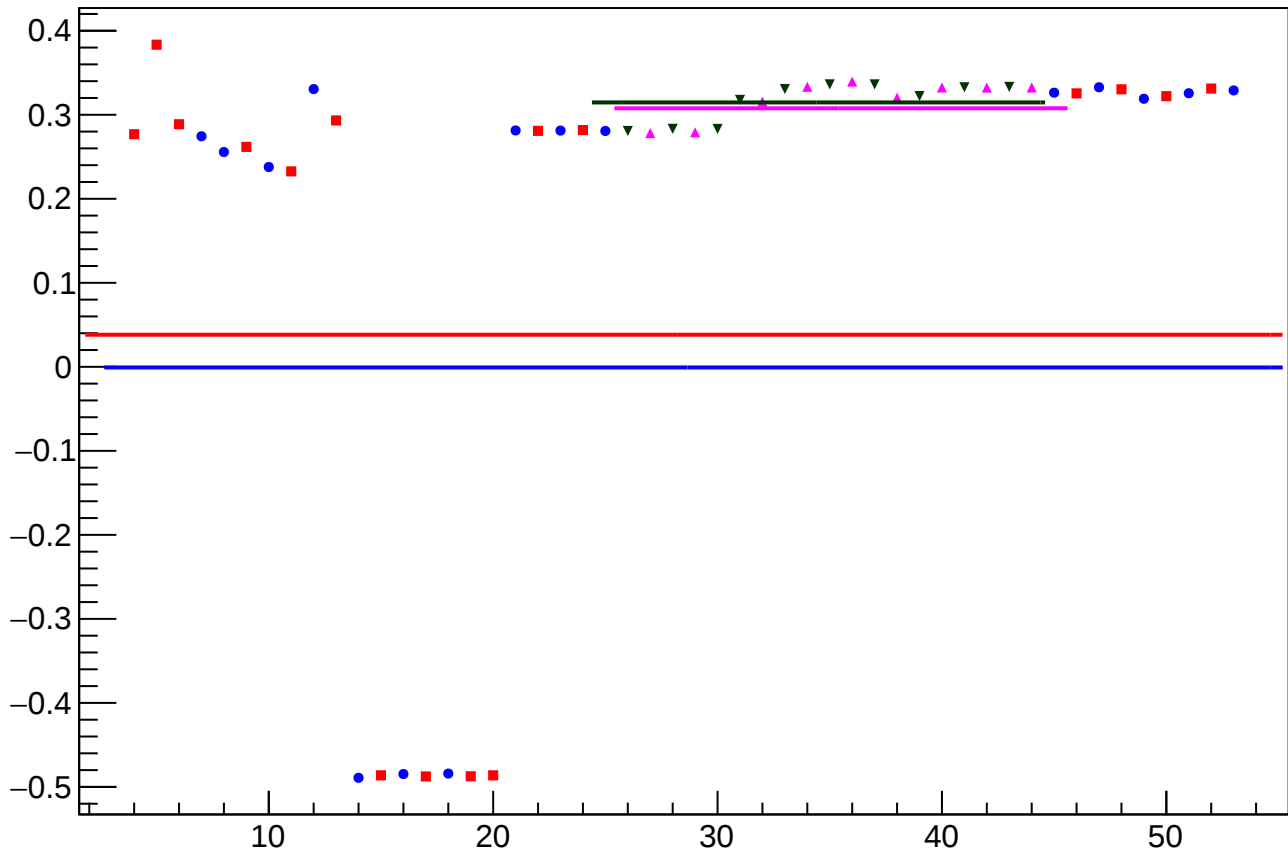
0.013+/-0.000 χ^2/NDF : 2500754.9/24

Right Out: 0.012+/-0.000 χ^2/NDF : 1644828.2/15

0.013+/-0.000 χ^2/NDF : 1788128.7/24

Left In: 0.014+/-0.000 χ^2/NDF :66613.9/8

yield_bpm4eX_mean vs slug



Right In: -0.001+/-0.000 χ^2 /NDF: 3529253431.6/14

Left Out: 0.315+/-0.000 χ^2 /NDF:5189197.9/9

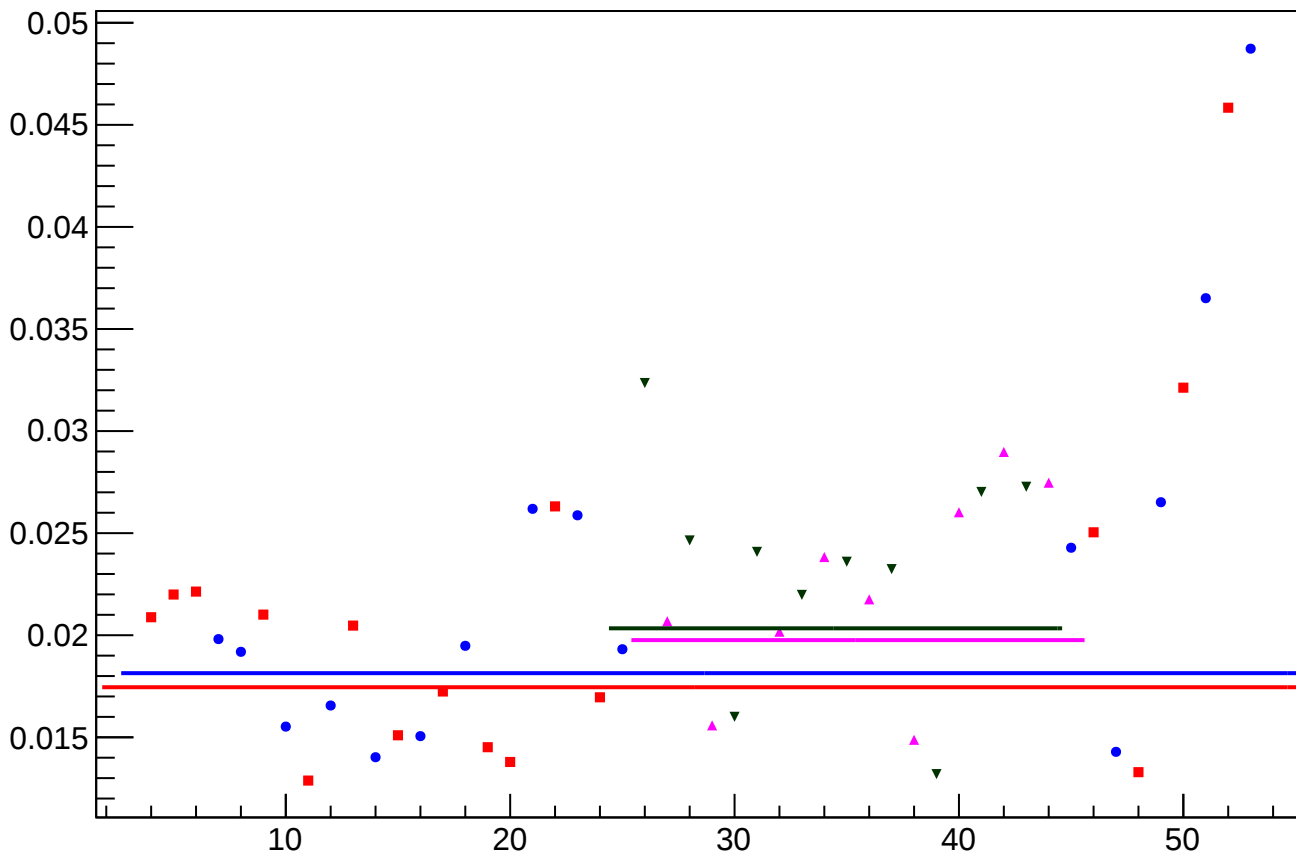
0.098+/-0.000 χ^2 /NDF: 4307602169.2/24

Right Out: 0.038+/-0.000 χ^2 /NDF: 3121248876.0/15

0.131+/-0.000 χ^2 /NDF: 3737452323.6/24

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 : 1404473.6/14

Left Out: 0.020+/-0.000 χ^2/NDF : 733336.7/9

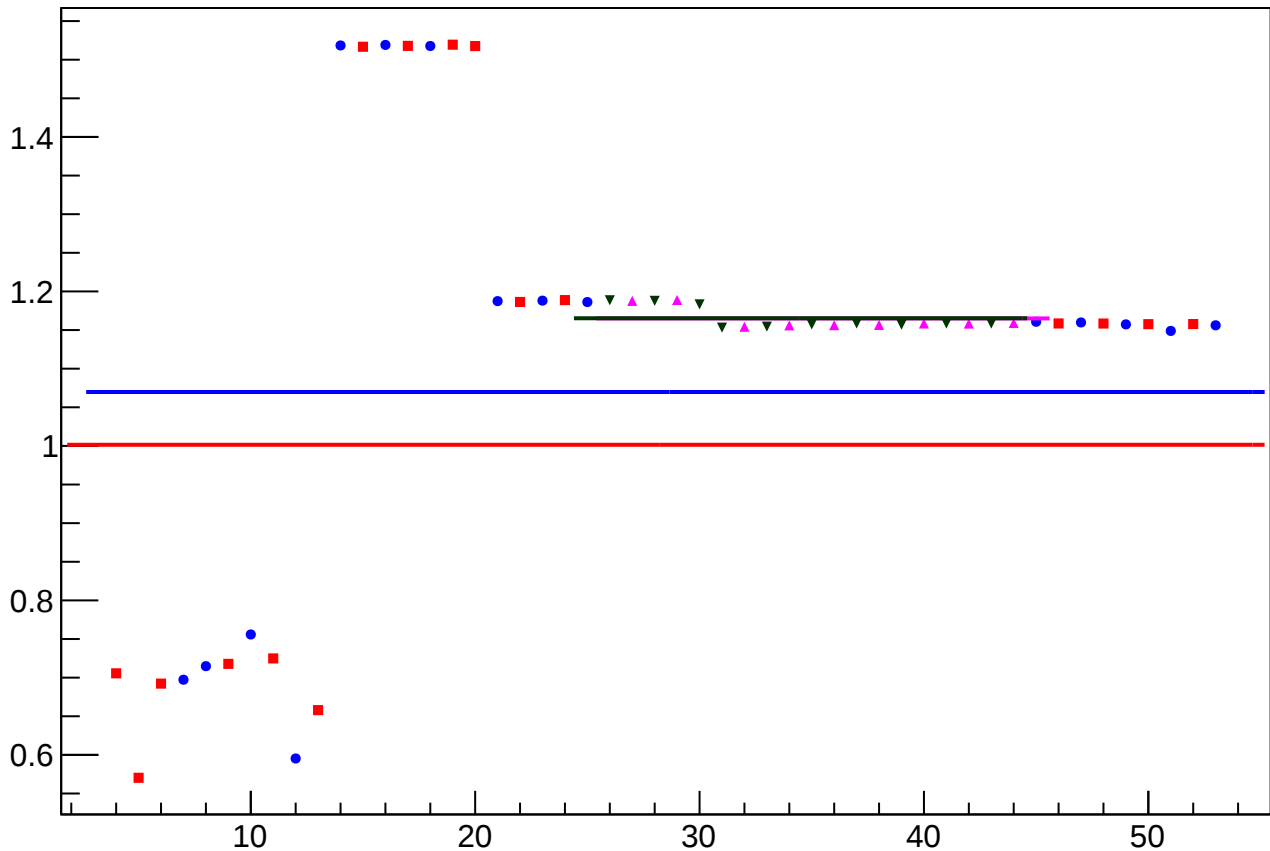
Right Out: 0.017+/-0.000 χ^2/NDF : 1309959.5/15

Left In: 0.020+/-0.000 χ^2/NDF : 482021.9/8

0.019+/-0.000 χ^2/NDF : 2212766.5/24

0.018+/-0.000 χ^2/NDF : 1881232.9/24

yield_bpm4eY_mean vs slug



Right In: 1.070+/-0.000 χ^2/NDF : 10449220333.1/14

Left Out: 1.165+/-0.000 χ^2/NDF :12143638.8/9

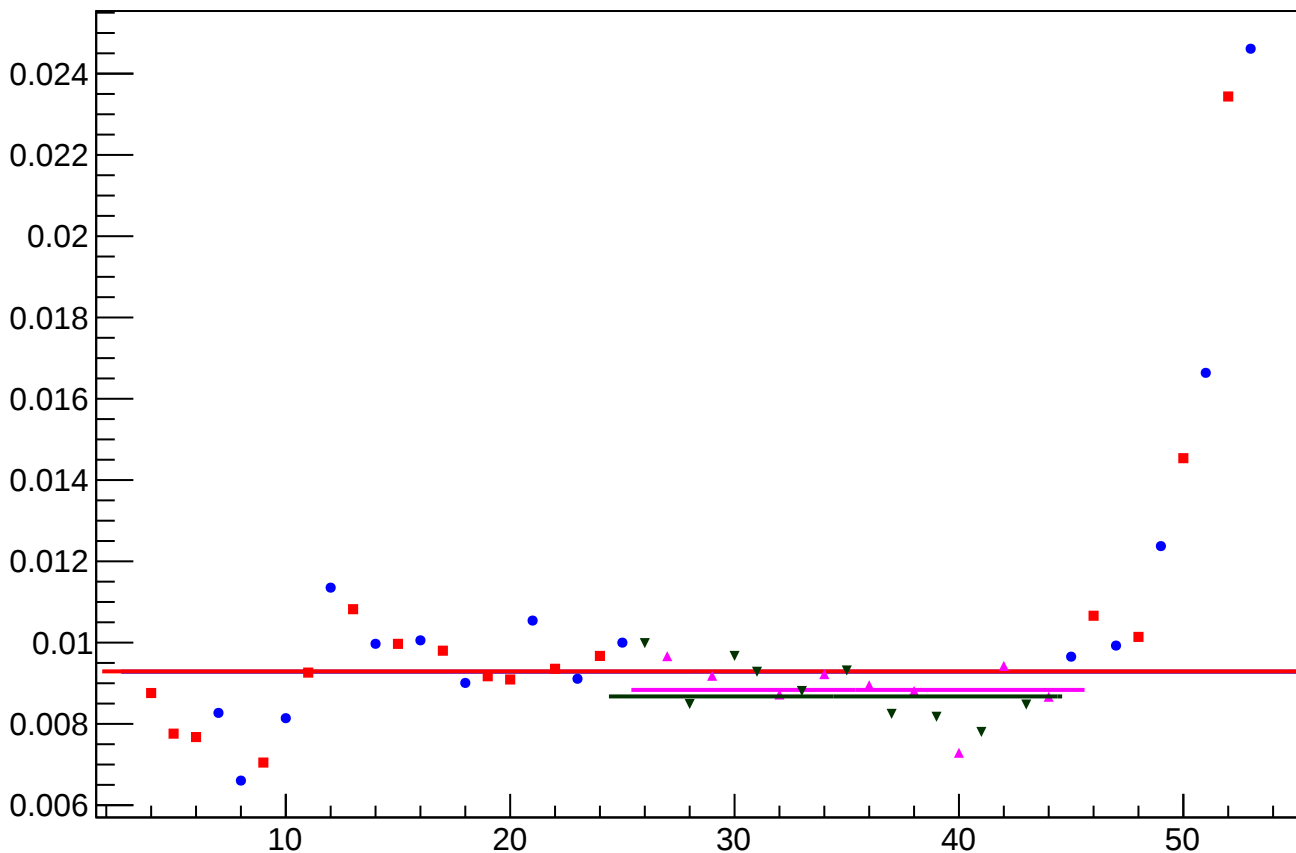
1.109+/-0.000 χ^2/NDF : 10825595581.2/24

Right Out: 1.001+/-0.000 χ^2/NDF : 10229903237.3/15

1.073+/-0.000 χ^2/NDF : 11283989212.7/24

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 : 1020714.3/14

Left Out: 0.009+/-0.000 χ^2/NDF : 57413.1/9

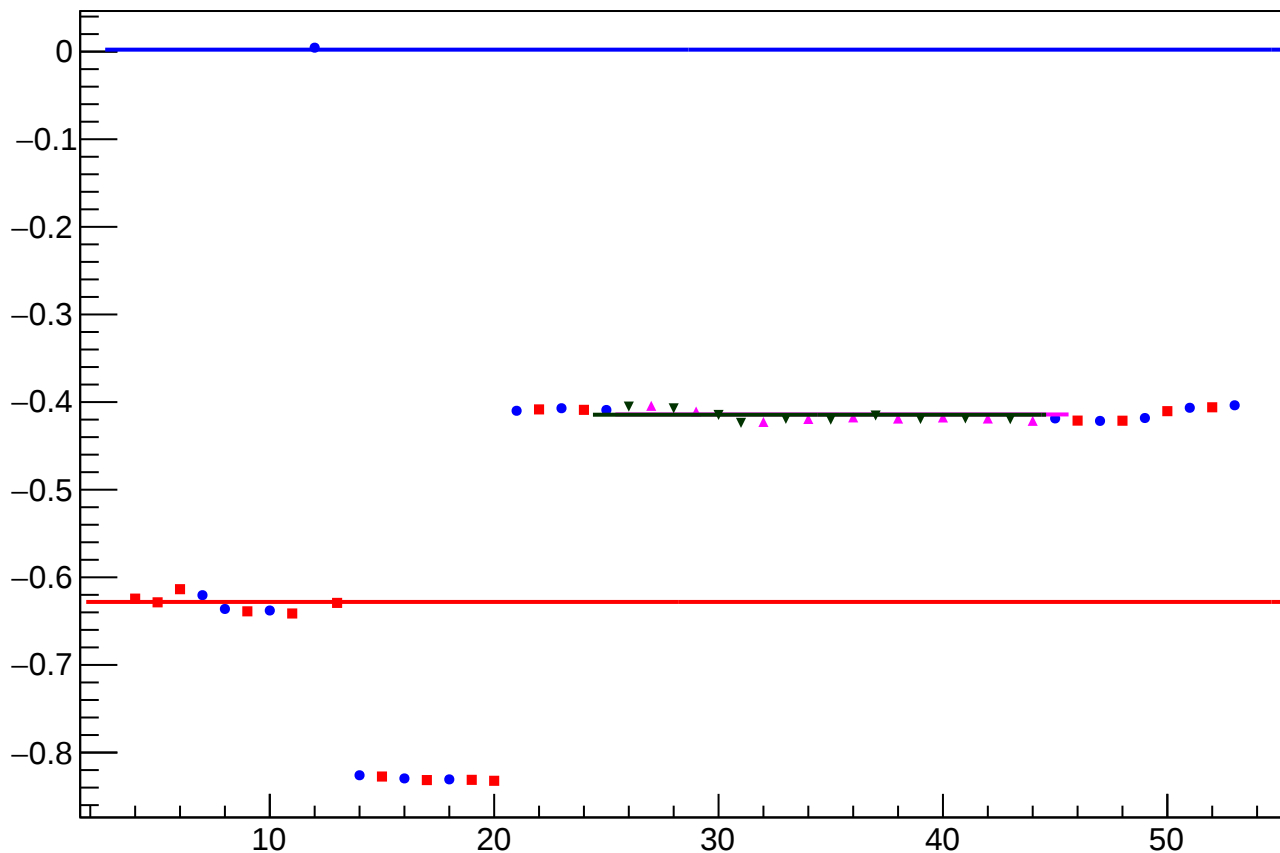
0.009+/-0.000 χ^2/NDF : 1107824.3/24

Right Out: 0.009+/-0.000 χ^2/NDF : 751911.6/15

0.009+/-0.000 χ^2/NDF : 831820.2/24

Left In: 0.009+/-0.000 χ^2/NDF : 63755.7/8

yield_bpm4acX_mean vs slug



Right In: 0.002+/-0.000 χ^2/NDF : 56556847238.5/14

Left Out: -0.414+/-0.000 χ^2/NDF : 2260145.2/9

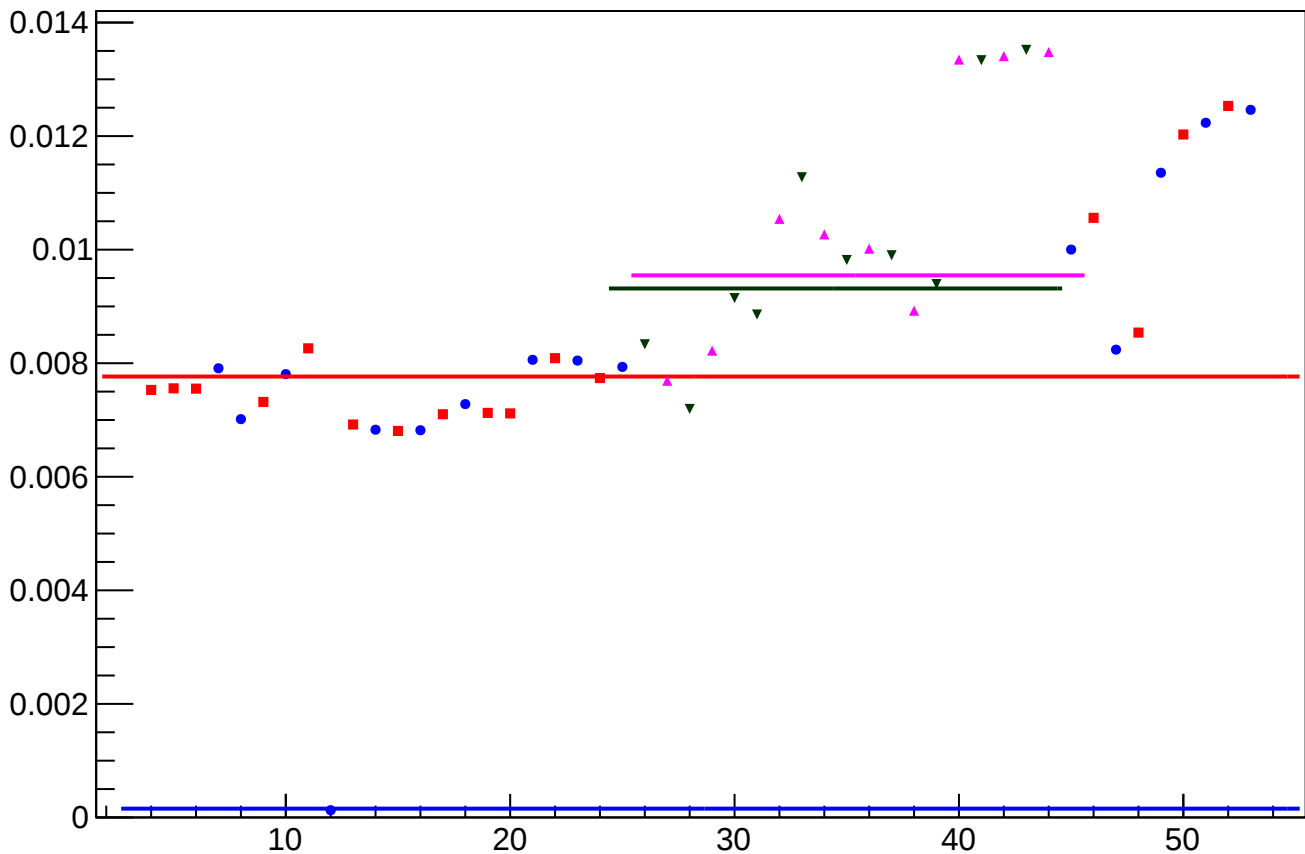
Right Out: -0.628+/-0.000 χ^2/NDF : 3164724285.5/15

Left In: -0.414+/-0.000 χ^2/NDF : 2651942.7/8

0.002+/-0.000 χ^2/NDF : 66662709724.5/24

-0.563+/-0.000 χ^2/NDF : 5036905701.9/24

yield_bpm4acX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 16856498.0/14

Left Out: 0.009+/-0.000 χ^2/NDF : 365508.7/9

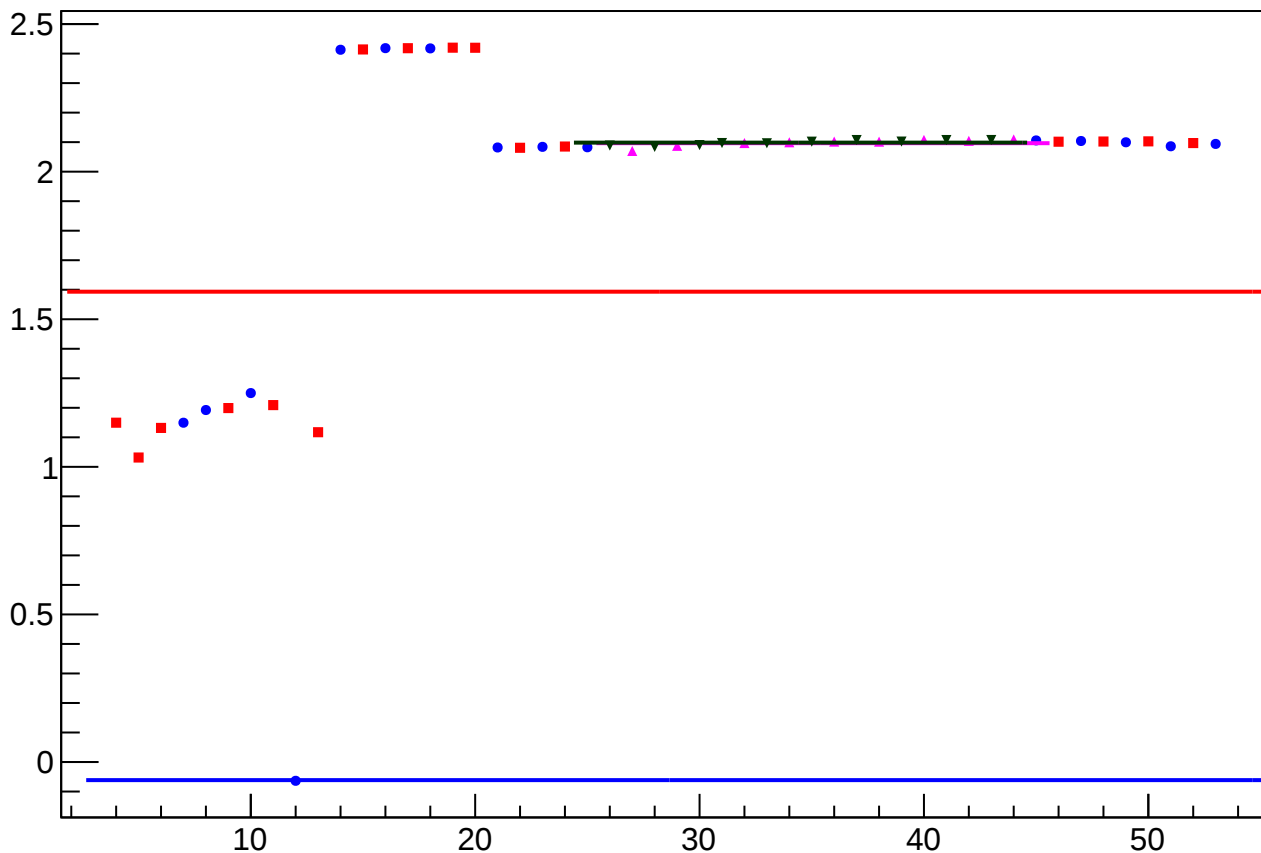
0.000+/-0.000 χ^2/NDF : 26991309.0/24

Right Out: 0.008+/-0.000 χ^2/NDF : 442426.0/15

0.008+/-0.000 χ^2/NDF : 1123396.6/24

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 : 165314713308.3/14

Left Out: 2.098+/-0.000 χ^2/NDF :2018647.6/9

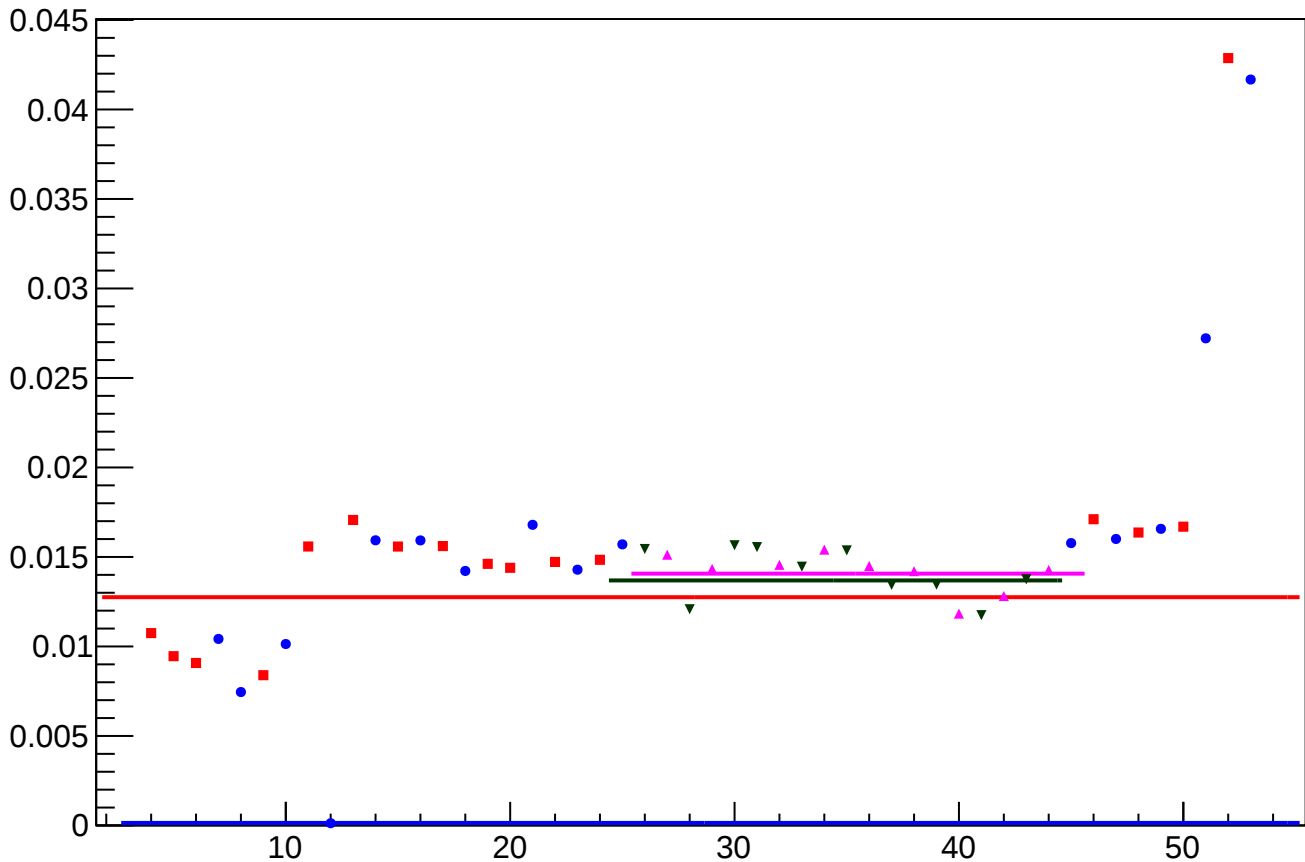
Right Out: 1.593+/-0.000 χ^2/NDF : 12968225101.7/15

Left In: 2.096+/-0.000 χ^2/NDF :3992542.9/8

-0.060+/-0.000 χ^2/NDF : 290624535632.2/24

1.785+/-0.000 χ^2/NDF : 17294997151.0/24

yield_bpm4acY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 16376847.0/14

Left Out: 0.014+/-0.000 χ^2/NDF :106273.7/9

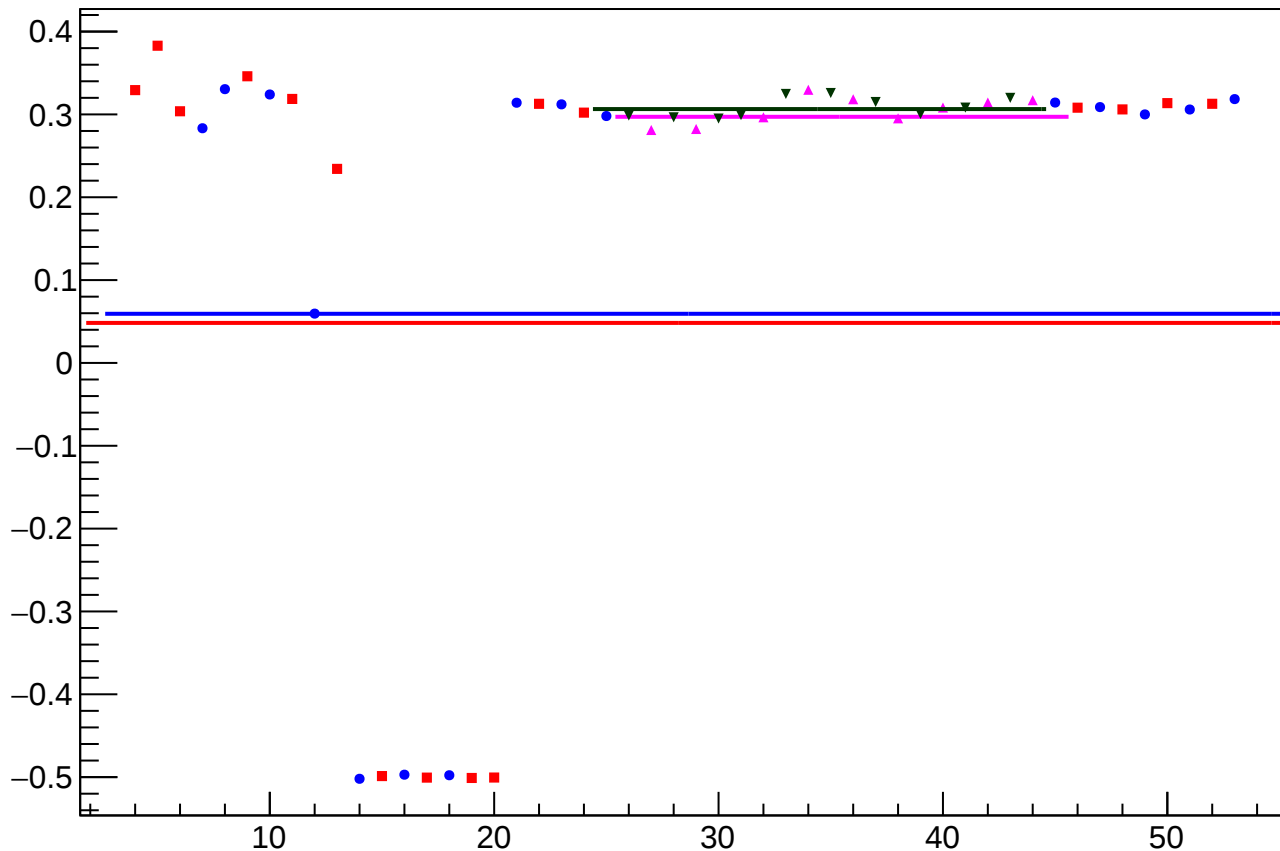
0.000+/-0.000 χ^2/NDF : 26344441.6/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1543325.5/15

0.013+/-0.000 χ^2/NDF : 1665830.9/24

Left In: 0.014+/-0.000 χ^2/NDF :63357.4/8

yield_bpm4ecX_mean vs slug



Right In: 0.059+/-0.000 χ^2/NDF : 3850539735.3/14

Left Out: 0.306+/-0.000 χ^2/NDF :1355327.7/9

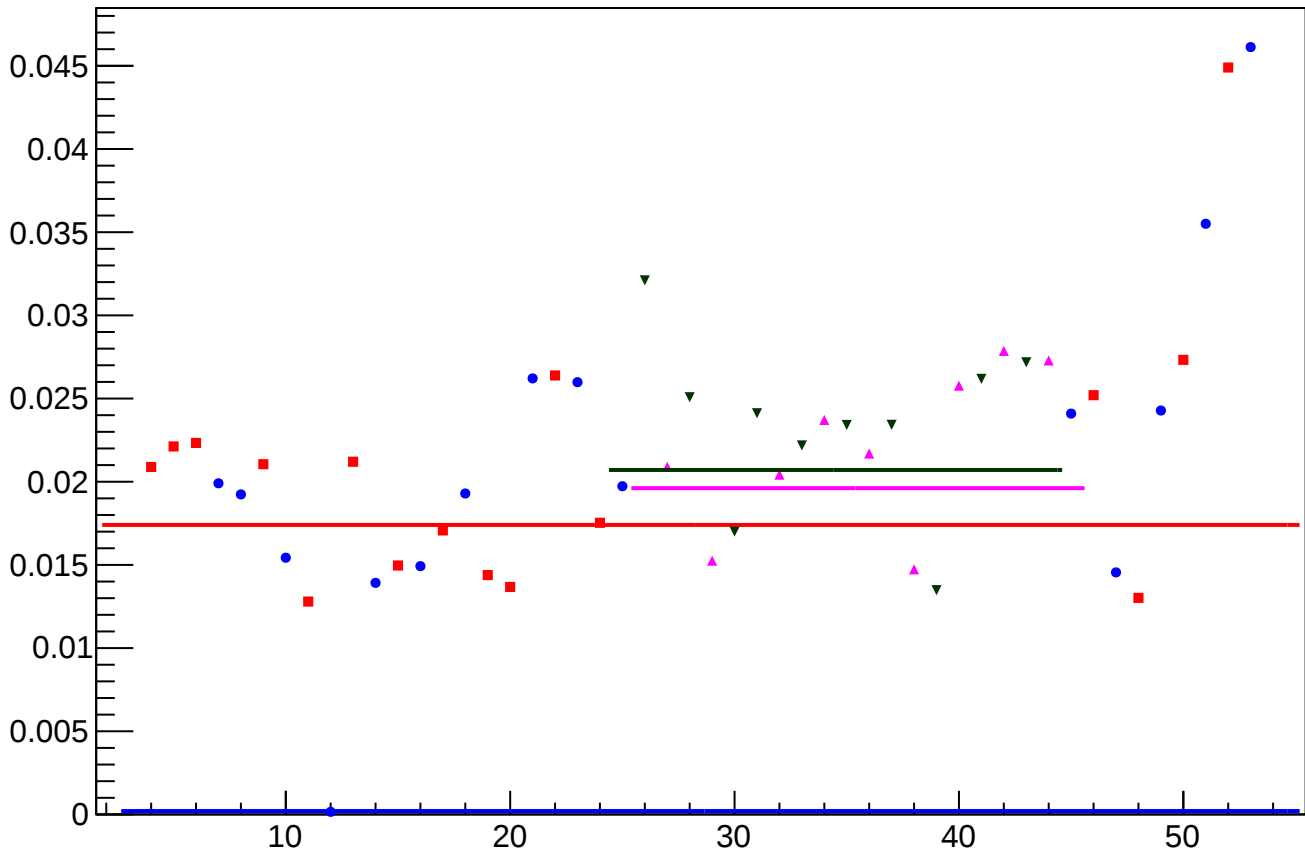
Right Out: 0.048+/-0.000 χ^2/NDF : 3477411559.2/15

Left In: 0.297+/-0.000 χ^2/NDF :3115046.5/8

0.060+/-0.000 χ^2/NDF : 4523946253.0/24

0.135+/-0.000 χ^2/NDF : 4007411240.1/24

yield_bpm4ecX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 16351152.1/14

Left Out: 0.021+/-0.000 χ^2/NDF : 655279.7/9

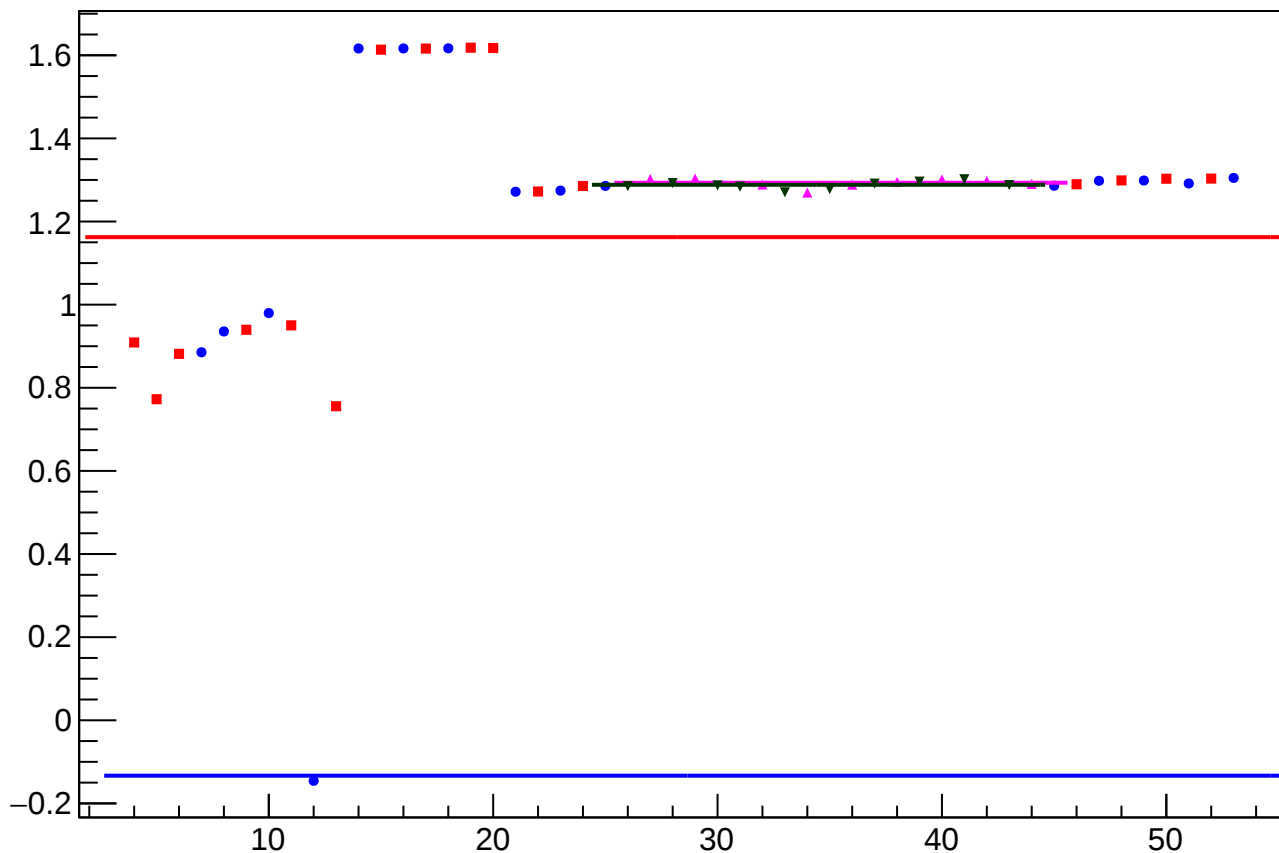
0.000+/-0.000 χ^2/NDF : 26256351.6/24

Right Out: 0.017+/-0.000 χ^2/NDF : 1283715.4/15

0.018+/-0.000 χ^2/NDF : 1860211.7/24

Left In: 0.020+/-0.000 χ^2/NDF : 493445.7/8

yield_bpm4ecY_mean vs slug



Right In: -0.133+/-0.000 χ^2/NDF : 163178315082.1/14

Left Out: 1.288+/-0.000 χ^2/NDF :3982202.6/9

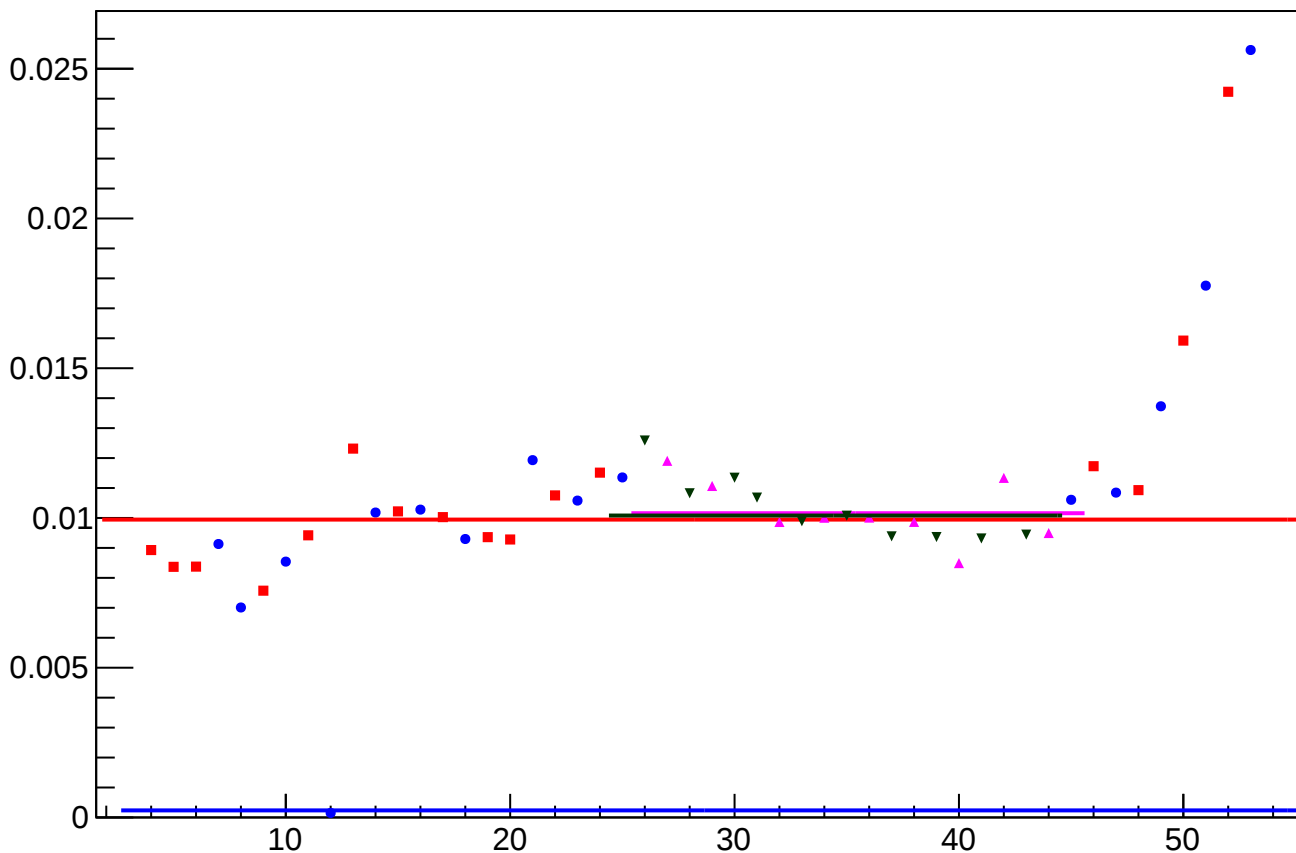
Right Out: 1.162+/-0.000 χ^2/NDF : 7222316550.3/15

Left In: 1.293+/-0.000 χ^2/NDF :4686204.8/8

-0.126+/-0.000 χ^2/NDF : 263983909721.4/24

1.215+/-0.000 χ^2/NDF : 7760538535.5/24

yield_bpm4ecY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 16125105.0/14

Left Out: 0.010+/-0.000 χ^2/NDF : 82741.5/9

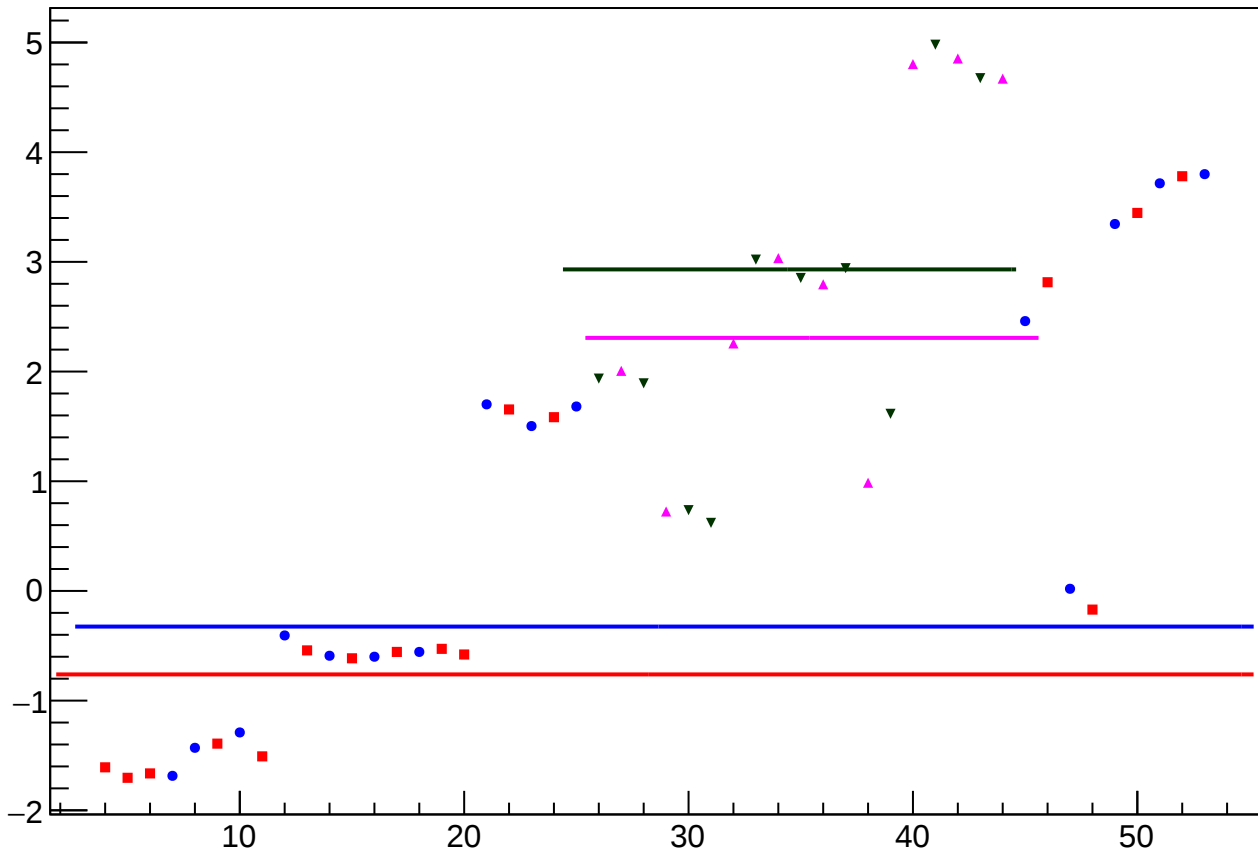
Right Out: 0.010+/-0.000 χ^2/NDF : 802006.5/15

Left In: 0.010+/-0.000 χ^2/NDF : 100961.6/8

0.000+/-0.000 χ^2/NDF : 25876232.6/24

0.010+/-0.000 χ^2/NDF : 905790.1/24

yield_bpm1X_mean vs slug



Right In: -0.325+/-0.000 χ^2/NDF : 10045156328.6/14

Left Out: 2.931+/-0.000 χ^2/NDF : 696767729.4/9

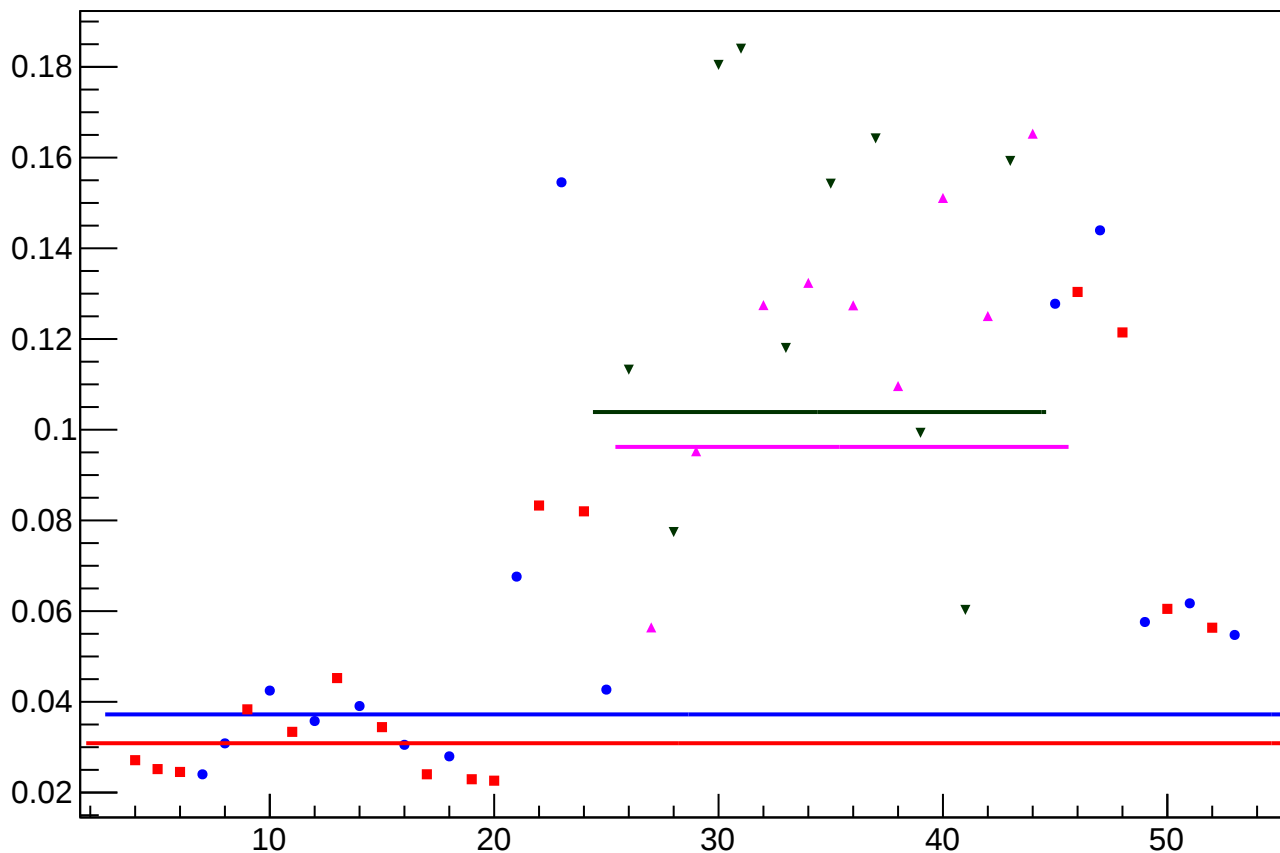
-0.097+/-0.000 χ^2/NDF : 13965853200.6/24

Right Out: -0.761+/-0.000 χ^2/NDF : 7642996021.3/15

-0.552+/-0.000 χ^2/NDF : 11927079243.0/24

Left In: 2.307+/-0.000 χ^2/NDF : 637059338.1/8

yield_bpm1X_rms vs slug



Right In: 0.037+/-0.000 χ^2/NDF : 2521042.3/14

Left Out: 0.104+/-0.000 χ^2/NDF :1068598.5/9

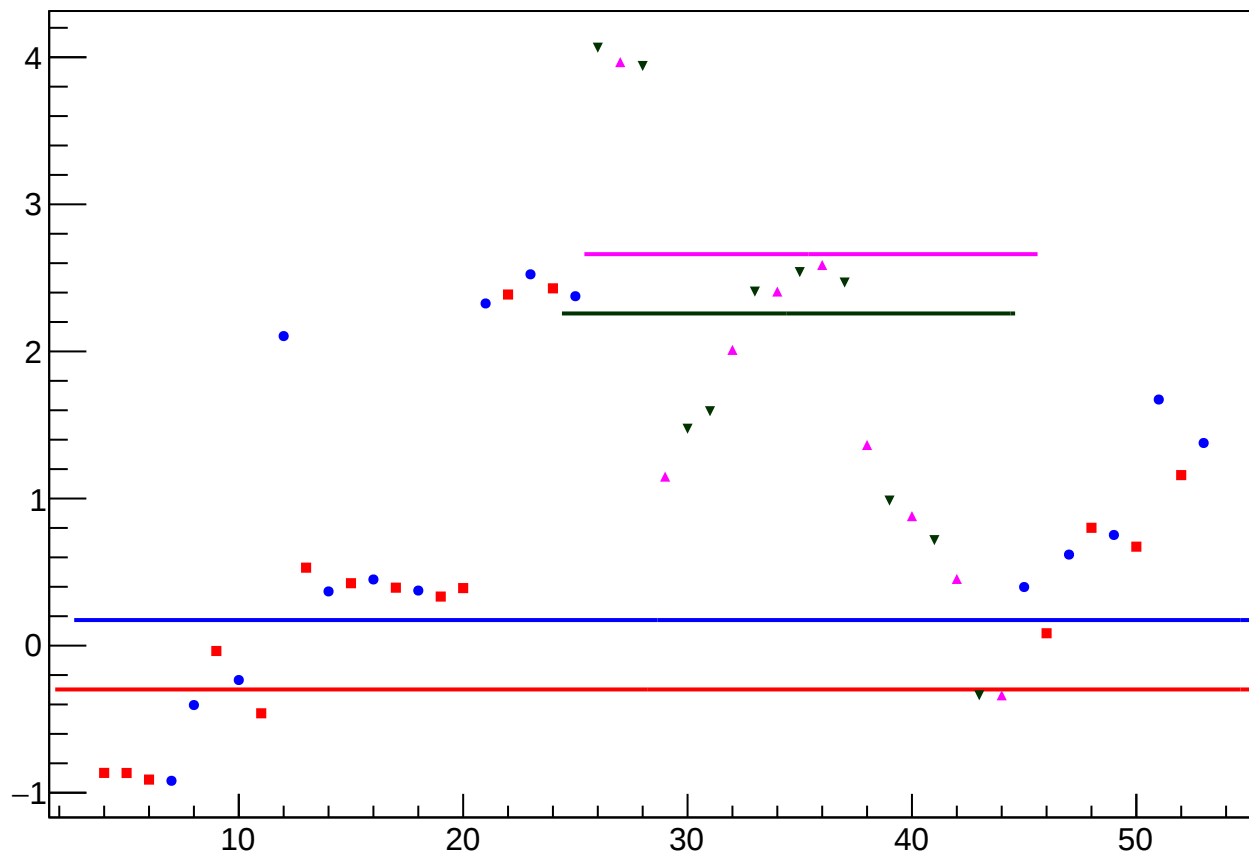
Right Out: 0.031+/-0.000 χ^2/NDF : 2255675.5/15

Left In: 0.096+/-0.000 χ^2/NDF :1062303.0/8

0.042+/-0.000 χ^2/NDF : 6292640.8/24

0.035+/-0.000 χ^2/NDF : 6625890.9/24

yield_bpm1Y_mean vs slug



Right In: 0.174+/-0.000 χ^2/NDF : 8938198395.8/14

Left Out: 2.258+/-0.000 χ^2/NDF :1464188140.1/9

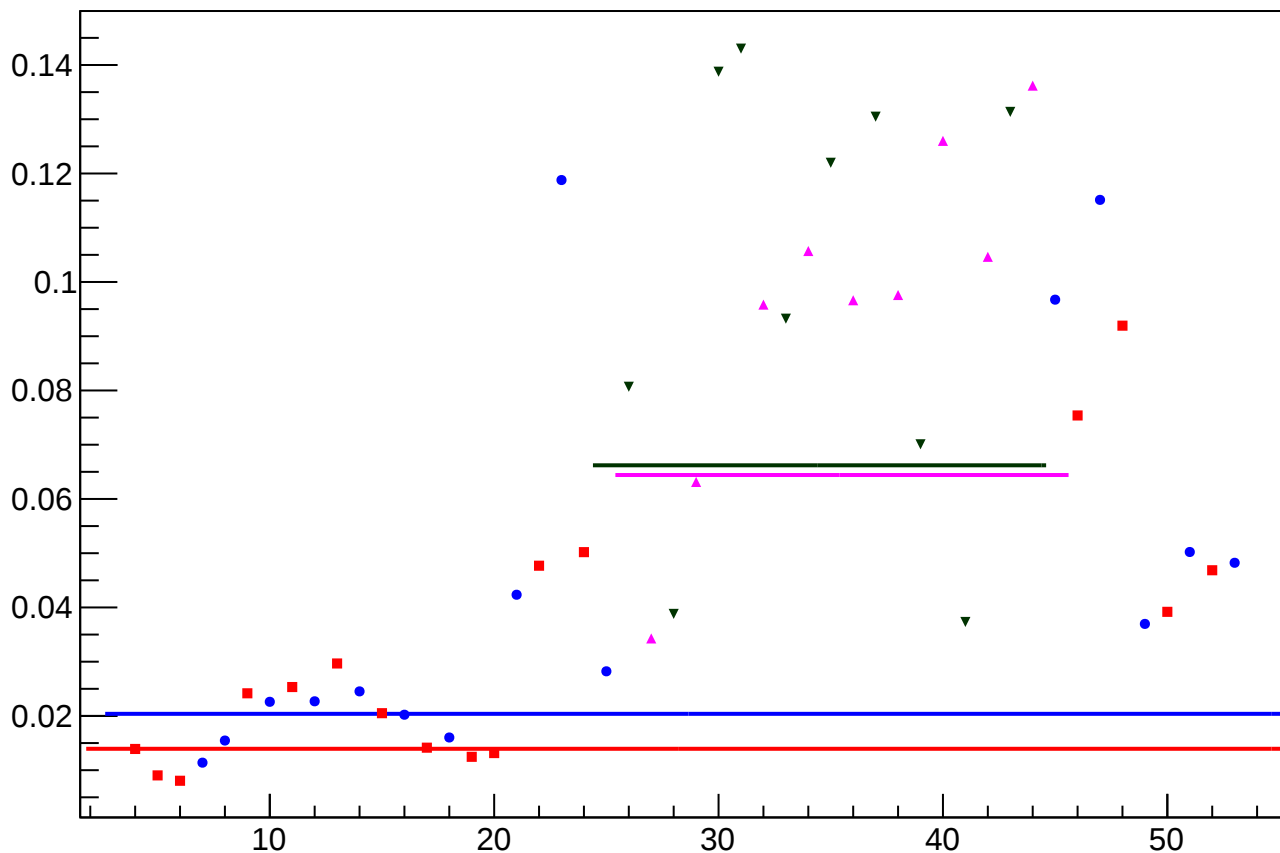
Right Out: -0.298+/-0.000 χ^2/NDF : 10032851409.0/15

Left In: 2.661+/-0.000 χ^2/NDF :1577506308.7/8

0.286+/-0.000 χ^2/NDF : 13157017521.2/24

-0.190+/-0.000 χ^2/NDF : 18460673287.5/24

yield_bpm1Y_rms vs slug



Right In: 0.020 $\pm$ 0.000 χ^2/NDF : 3446175.3/14

Left Out: 0.066 $\pm$ 0.000 χ^2/NDF : 1777792.9/9

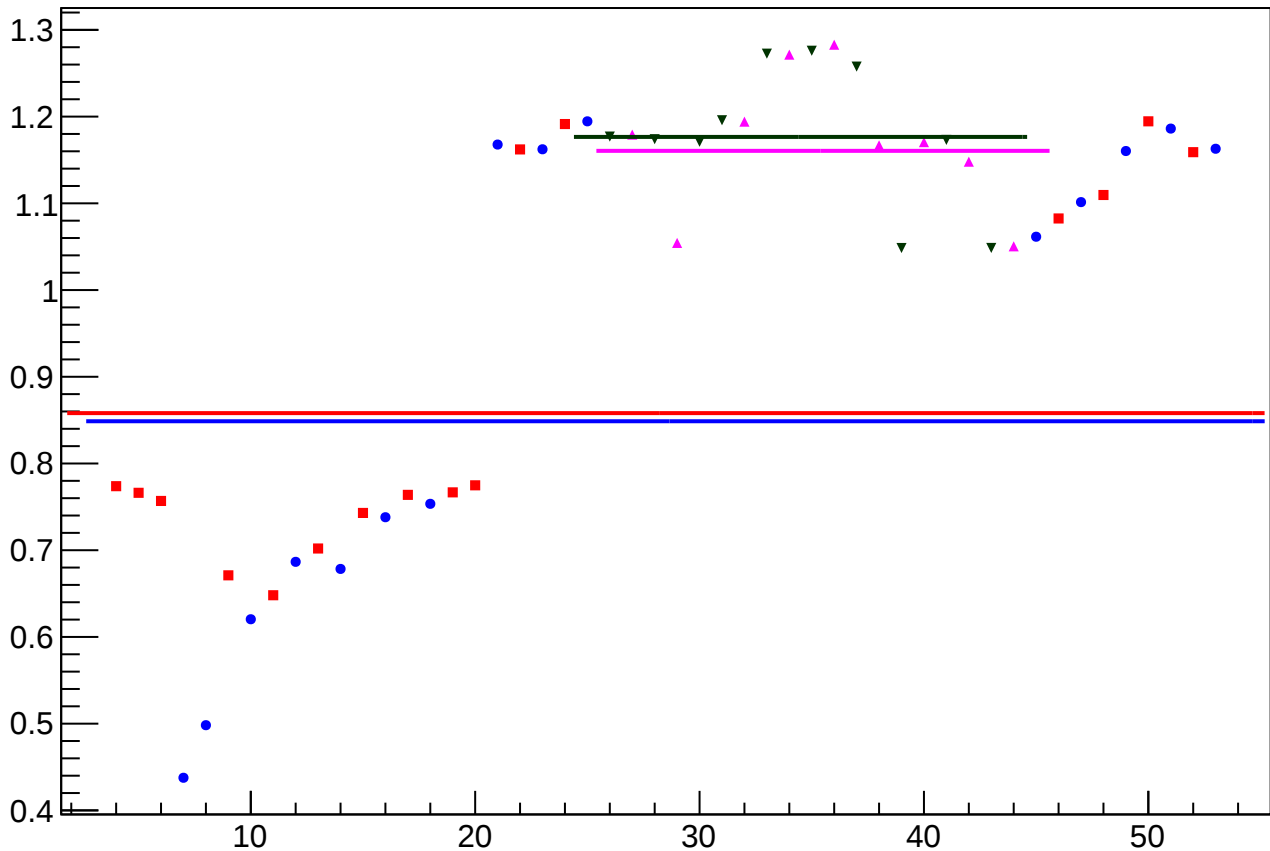
Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 3577245.6/15

Left In: 0.064 $\pm$ 0.000 χ^2/NDF : 1800340.3/8

0.023 $\pm$ 0.000 χ^2/NDF : 7885994.6/24

0.016 $\pm$ 0.000 χ^2/NDF : 9362756.8/24

yield_bpm11X_mean vs slug



Right In: 0.849+/-0.000 χ^2/NDF : 1359880348.3/14

Left Out: 1.177+/-0.000 χ^2/NDF :56492661.1/9

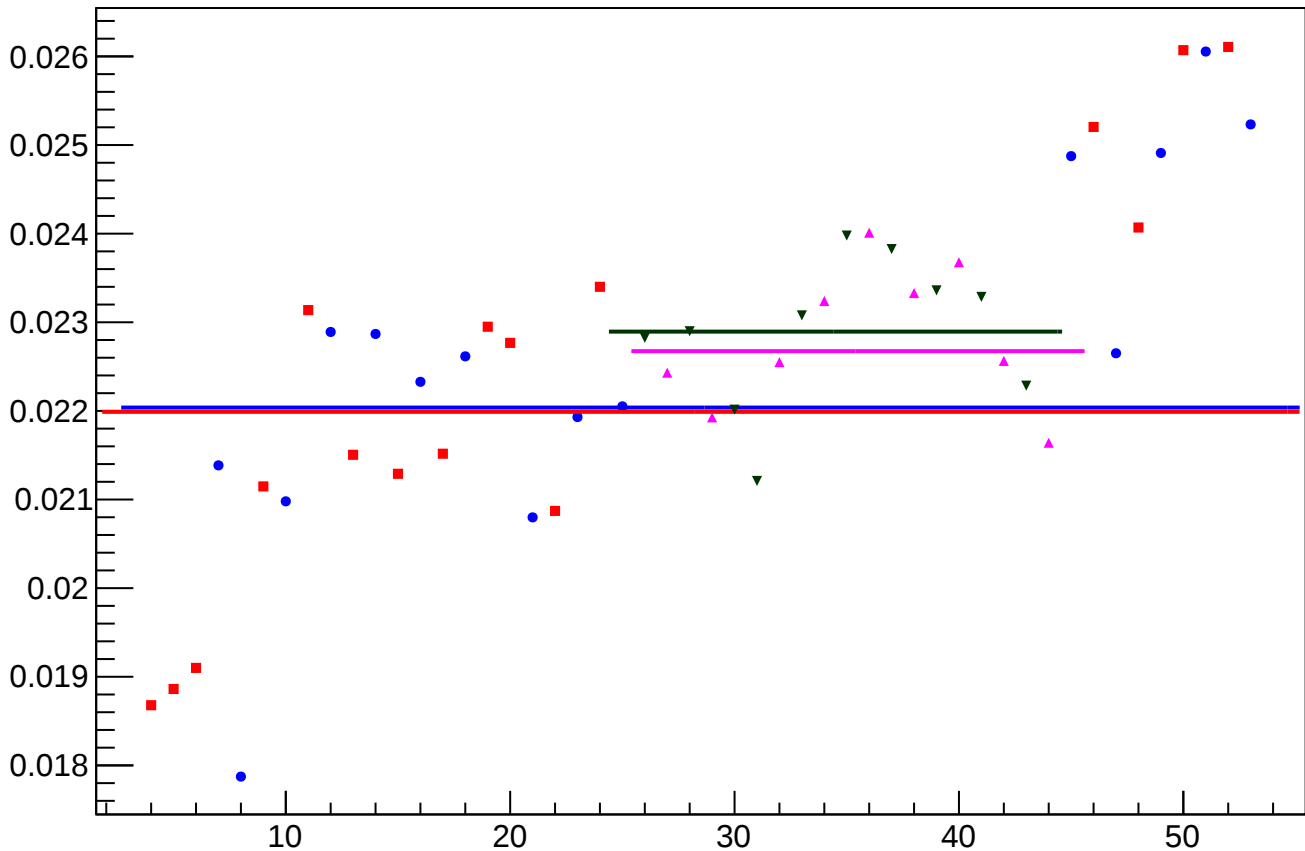
0.962+/-0.000 χ^2/NDF : 2107481214.3/24

Right Out: 0.858+/-0.000 χ^2/NDF : 679552339.9/15

0.976+/-0.000 χ^2/NDF : 1329551840.7/24

Left In: 1.161+/-0.000 χ^2/NDF :58009580.0/8

yield_bpm11X_rms vs slug



Right In: 0.022+/-0.000 χ^2/NDF : 186280.4/14

Left Out: 0.023+/-0.000 χ^2/NDF :11436.5/9

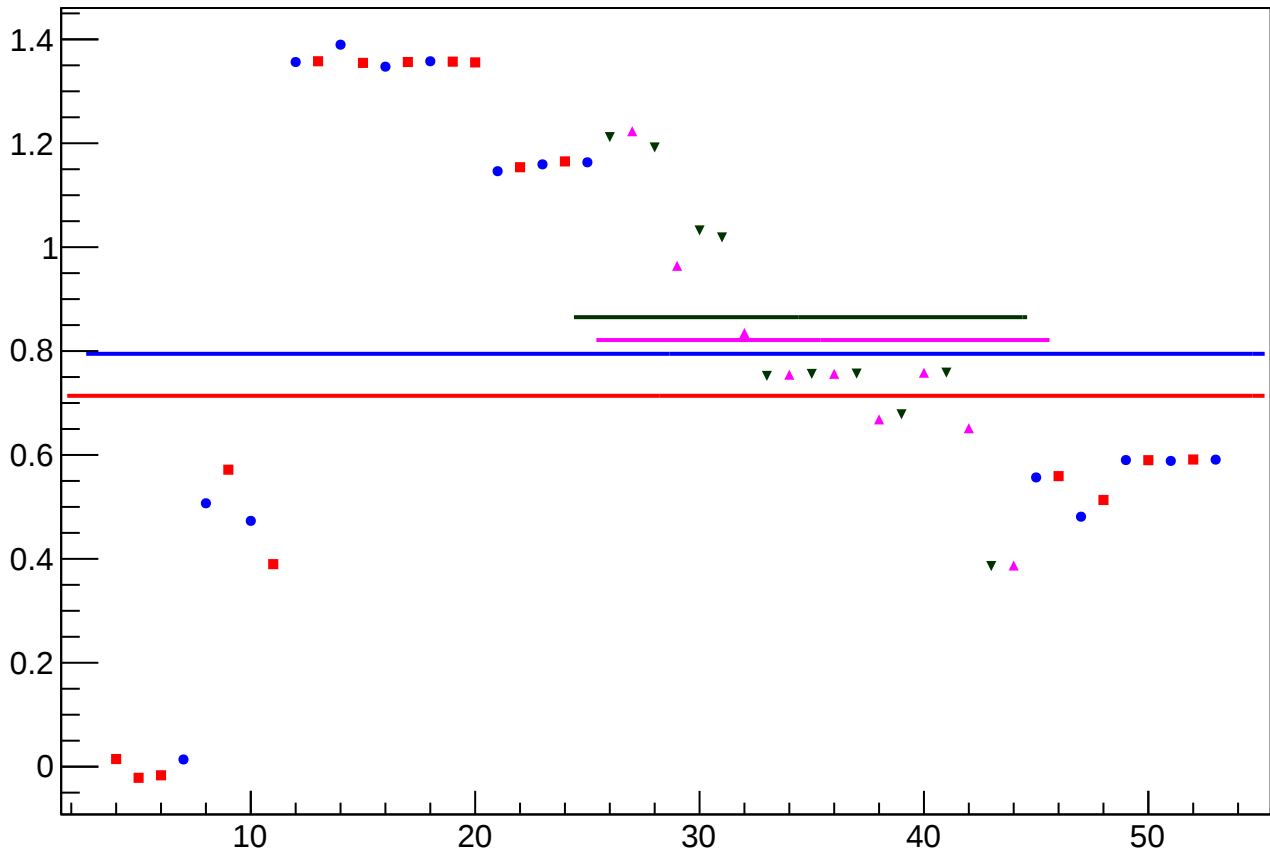
Right Out: 0.022+/-0.000 χ^2/NDF : 143666.8/15

Left In: 0.023+/-0.000 χ^2/NDF :10426.9/8

0.022+/-0.000 χ^2/NDF : 207159.4/24

0.022+/-0.000 χ^2/NDF : 160166.7/24

yield_bpm11Y_mean vs slug



Right In: 0.795 $\pm$ 0.000 χ^2 /NDF: 114315069541.0/14

Left Out: 0.865 $\pm$ 0.000 χ^2 /NDF:19769026573.0/9

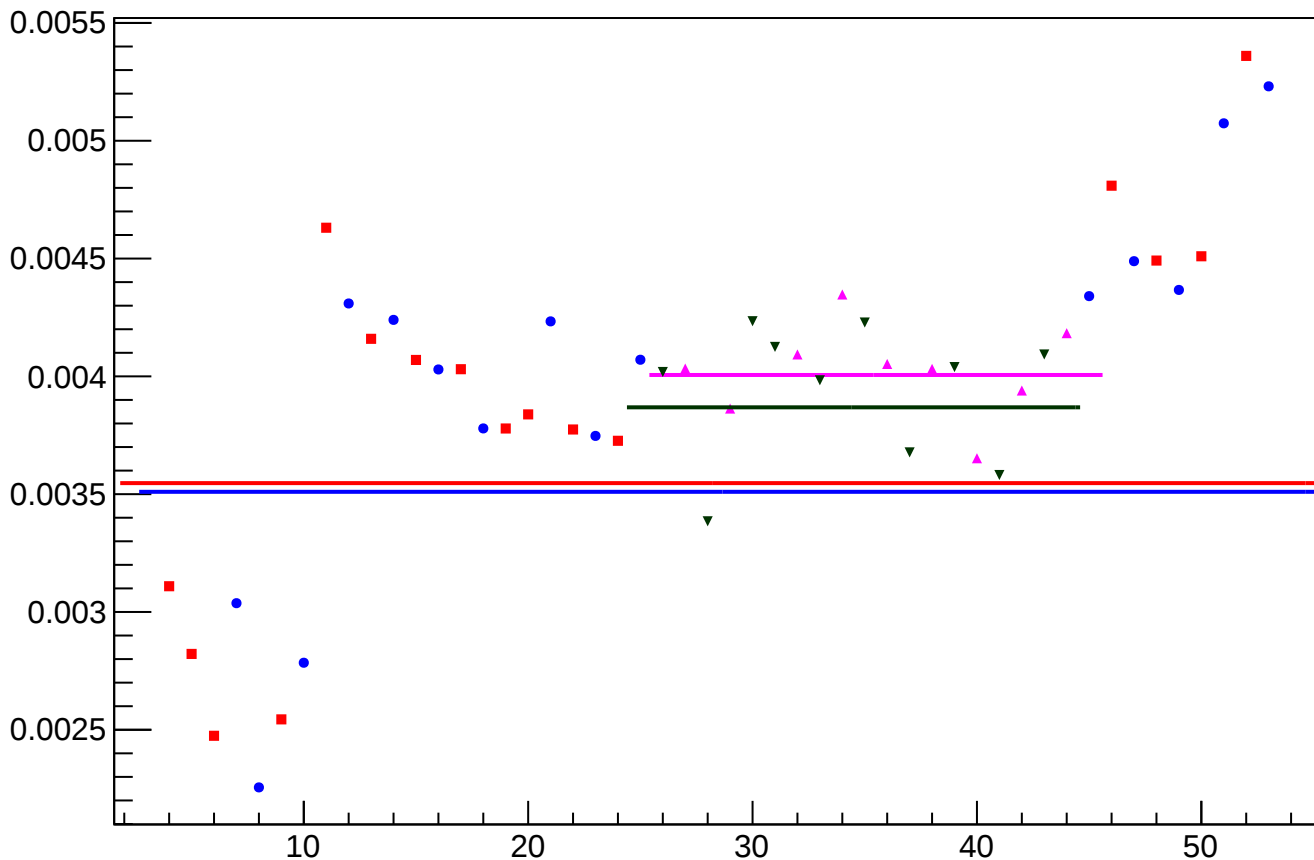
0.818 $\pm$ 0.000 χ^2 /NDF: 135208465790.9/24

Right Out: 0.714 $\pm$ 0.000 χ^2 /NDF: 165594716472.1/15

0.752 $\pm$ 0.000 χ^2 /NDF: 185047465920.2/24

Left In: 0.821 $\pm$ 0.000 χ^2 /NDF:16931746791.3/8

yield_bpm11Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 1179604.5/14

Left Out: 0.004+/-0.000 χ^2/NDF : 59617.0/9

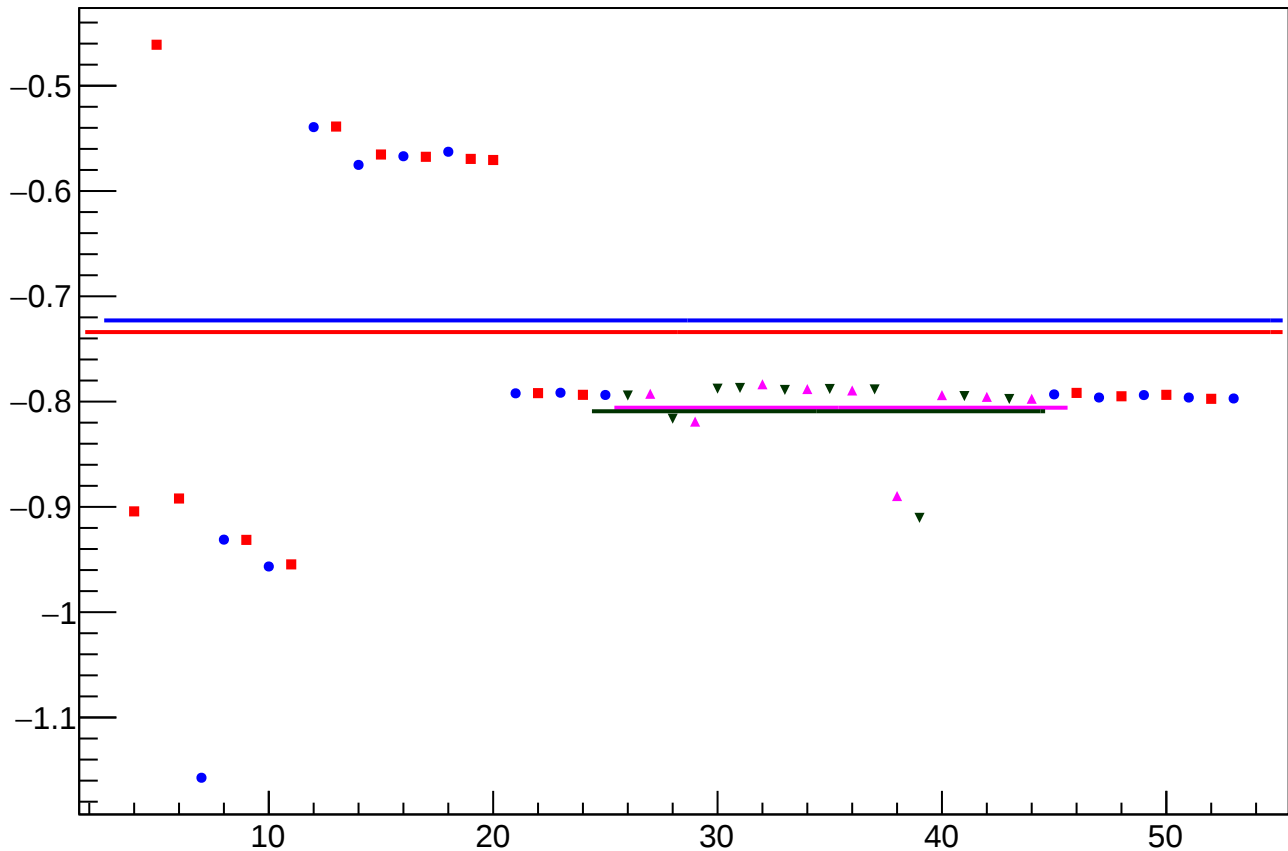
0.004+/-0.000 χ^2/NDF : 1297368.6/24

Right Out: 0.004+/-0.000 χ^2/NDF : 892337.3/15

0.004+/-0.000 χ^2/NDF : 1005020.2/24

Left In: 0.004+/-0.000 χ^2/NDF : 20484.3/8

yield_bpm12X_mean vs slug



Right In: -0.723+/-0.000 χ^2/NDF : 2228735500.0/14

Left Out: -0.809+/-0.000 χ^2/NDF : 119027161.1/9

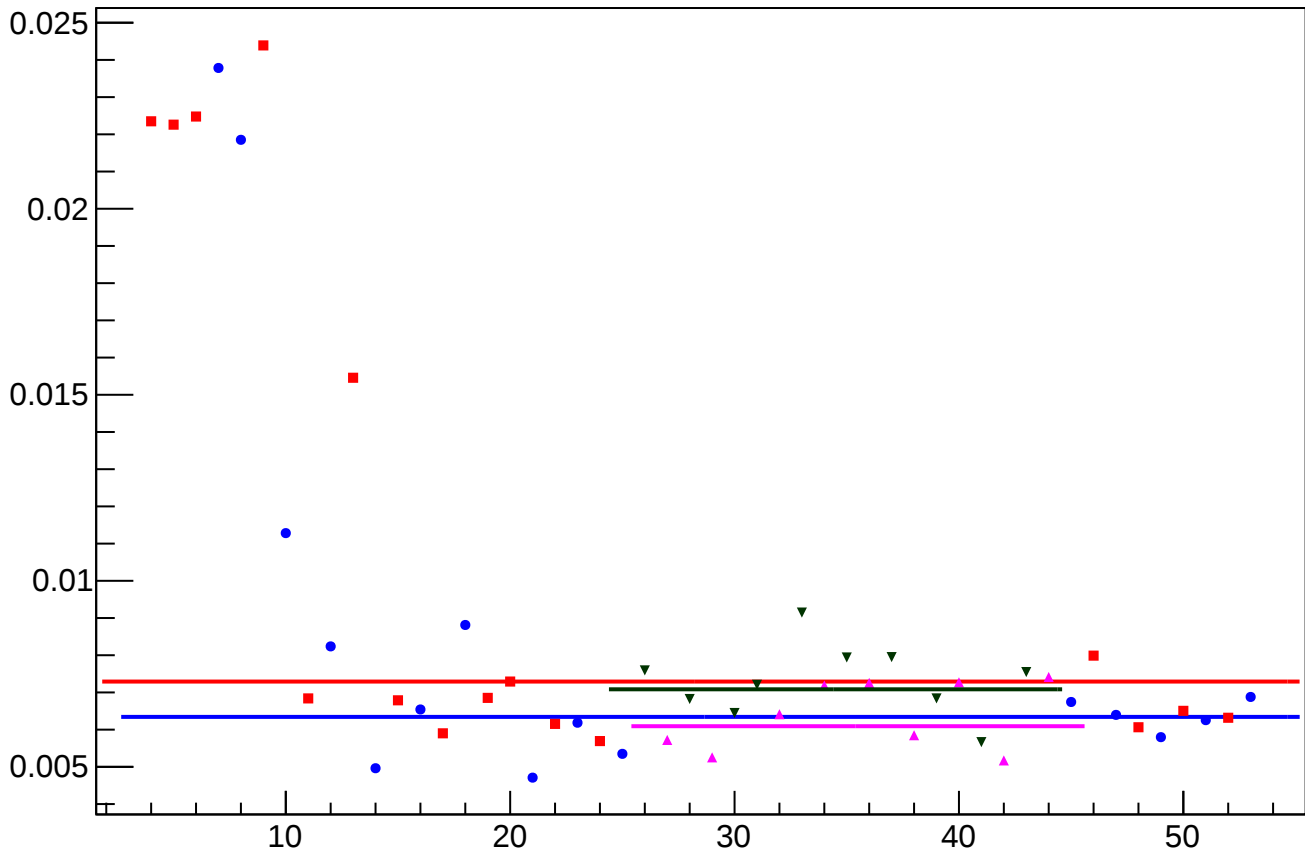
Right Out: -0.734+/-0.000 χ^2/NDF : 1886651431.7/15

Left In: -0.806+/-0.000 χ^2/NDF : 95429738.5/8

-0.752+/-0.000 χ^2/NDF : 2736324075.4/24

-0.770+/-0.000 χ^2/NDF : 2256799678.7/24

yield_bpm12X_rms vs slug



Right In: 0.006+/-0.000 χ^2/NDF : 1850778.2/14

Left Out: 0.007+/-0.000 χ^2/NDF :128168.7/9

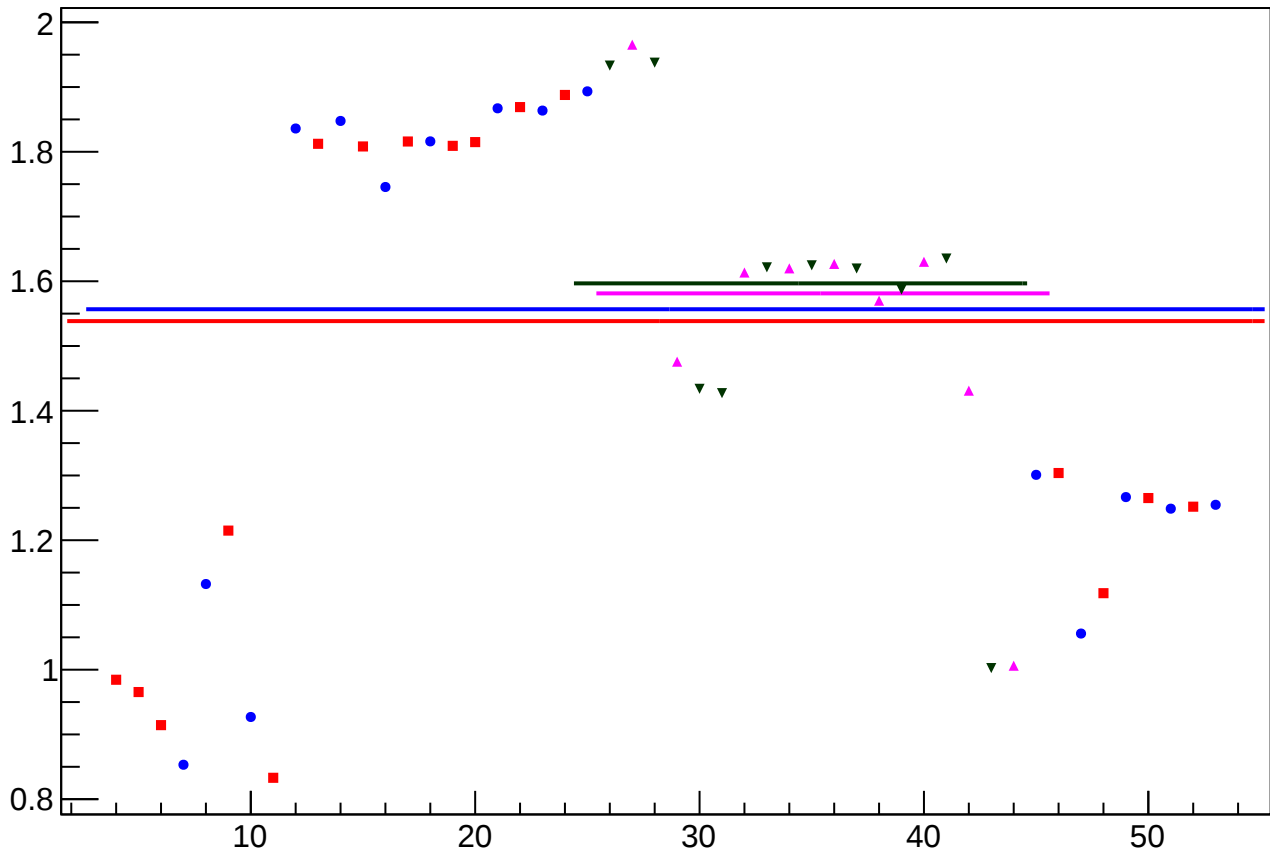
0.007+/-0.000 χ^2/NDF : 2036331.6/24

Right Out: 0.007+/-0.000 χ^2/NDF : 2368609.2/15

0.007+/-0.000 χ^2/NDF : 2664249.4/24

Left In: 0.006+/-0.000 χ^2/NDF :142266.3/8

yield_bpm12Y_mean vs slug



Right In: 1.557+/-0.000 χ^2/NDF : 20726136337.2/14

Left Out: 1.597+/-0.000 χ^2/NDF : 6672070685.1/9

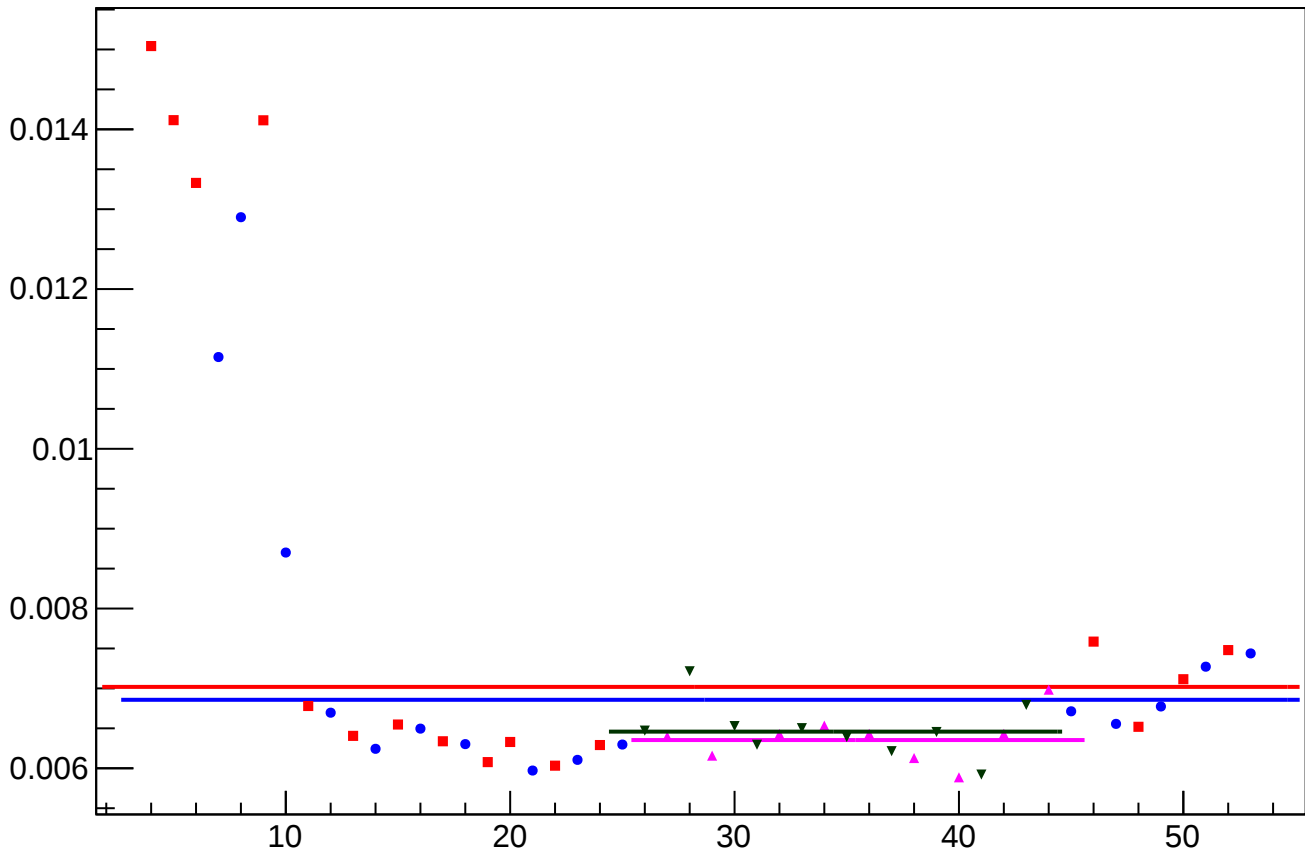
1.573+/-0.000 χ^2/NDF : 27511214886.0/24

Right Out: 1.538+/-0.000 χ^2/NDF : 20705257615.0/15

1.558+/-0.000 χ^2/NDF : 27587726785.8/24

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 : 612715.2/14

Left Out: 0.006+/-0.000 χ^2/NDF :26704.2/9

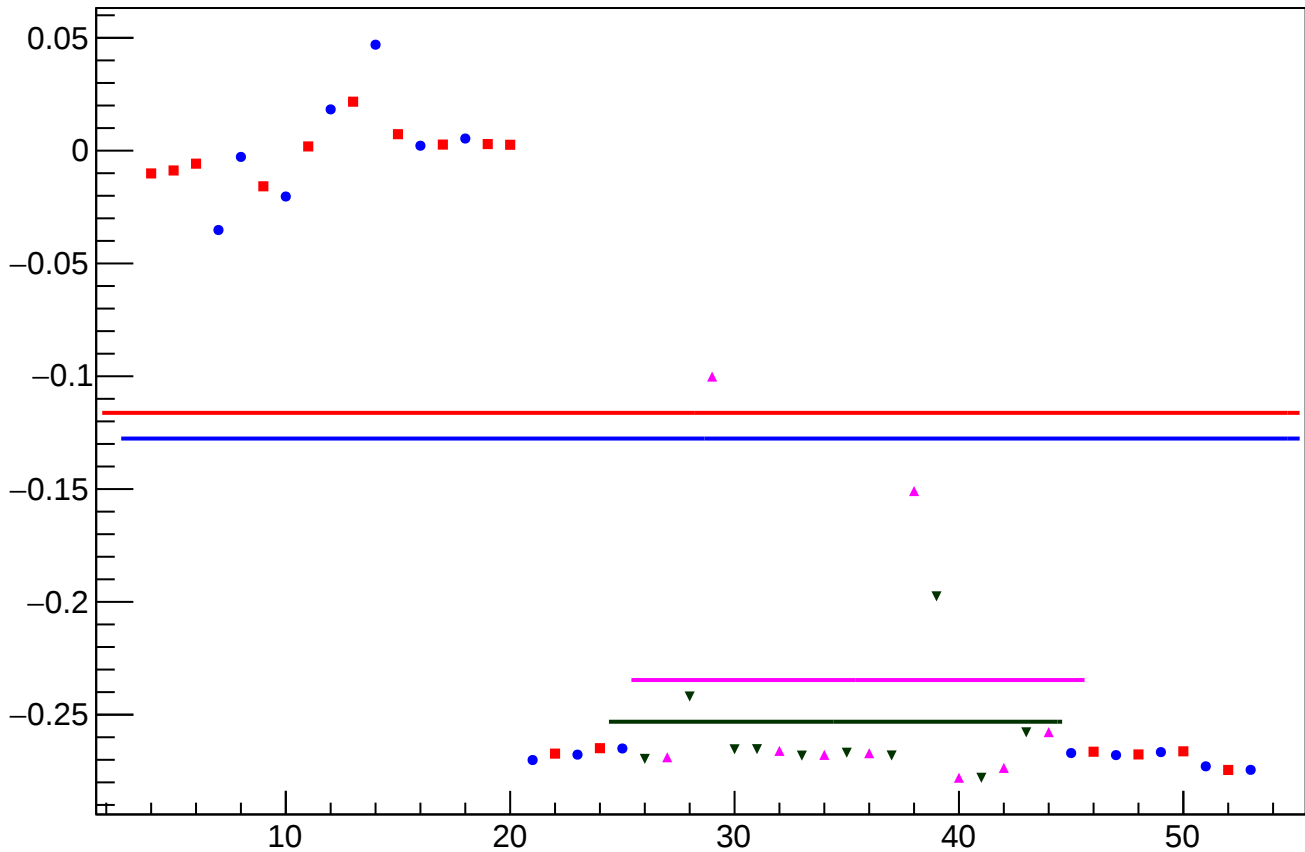
0.007+/-0.000 χ^2/NDF : 661908.9/24

Right Out: 0.007+/-0.000 χ^2/NDF : 987830.9/15

0.007+/-0.000 χ^2/NDF : 1066159.0/24

Left In: 0.006+/-0.000 χ^2/NDF :17689.1/8

yield_bpm16X_mean vs slug



Right In: -0.128+/-0.000 χ^2/NDF : 6791963088.3/14

Left Out: -0.253+/-0.000 χ^2/NDF : 114103318.3/9

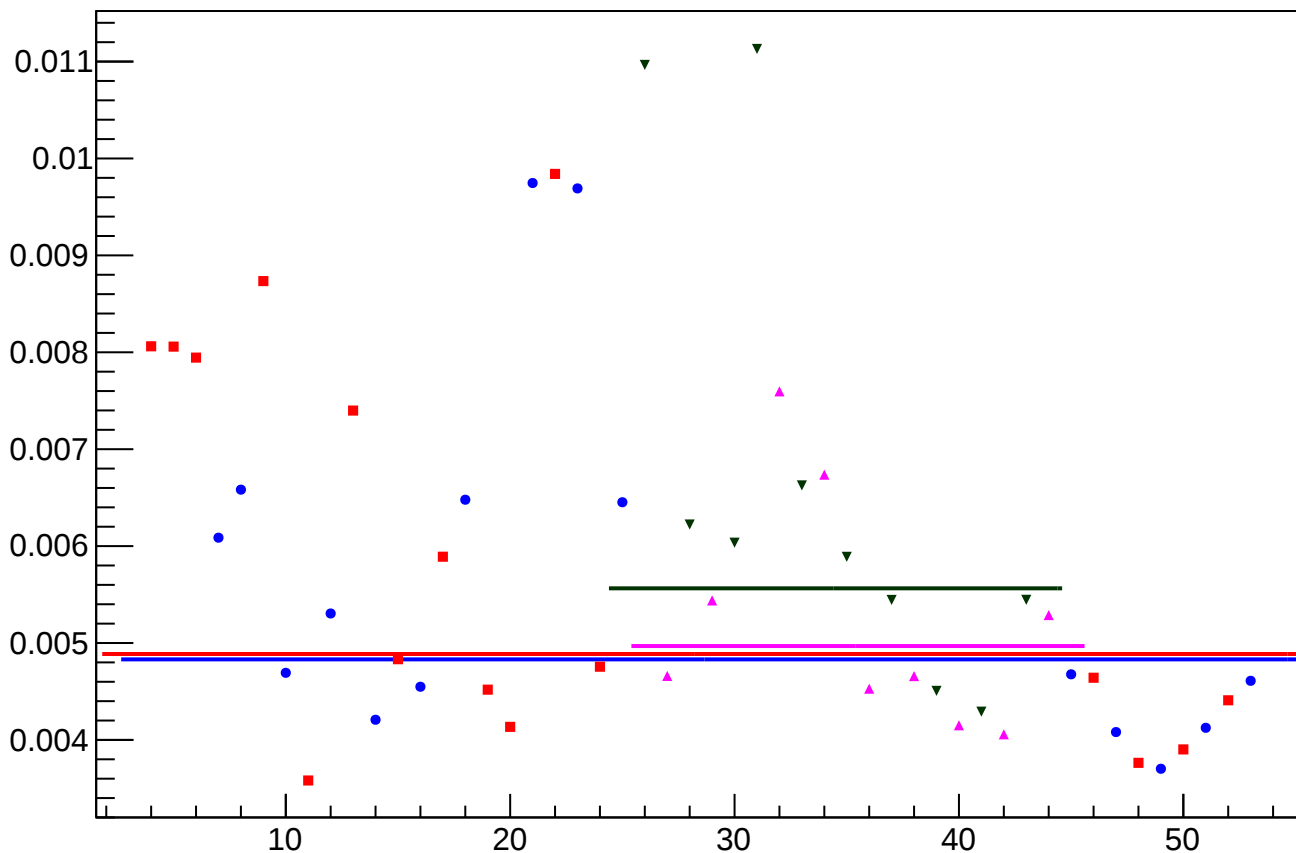
-0.165+/-0.000 χ^2/NDF : 8504013299.1/24

Right Out: -0.116+/-0.000 χ^2/NDF : 5311438164.2/15

-0.164+/-0.000 χ^2/NDF : 7741012059.7/24

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 : 1124317.1/14

Left Out: 0.006 ± 0.000 χ^2/NDF : 608011.7/9

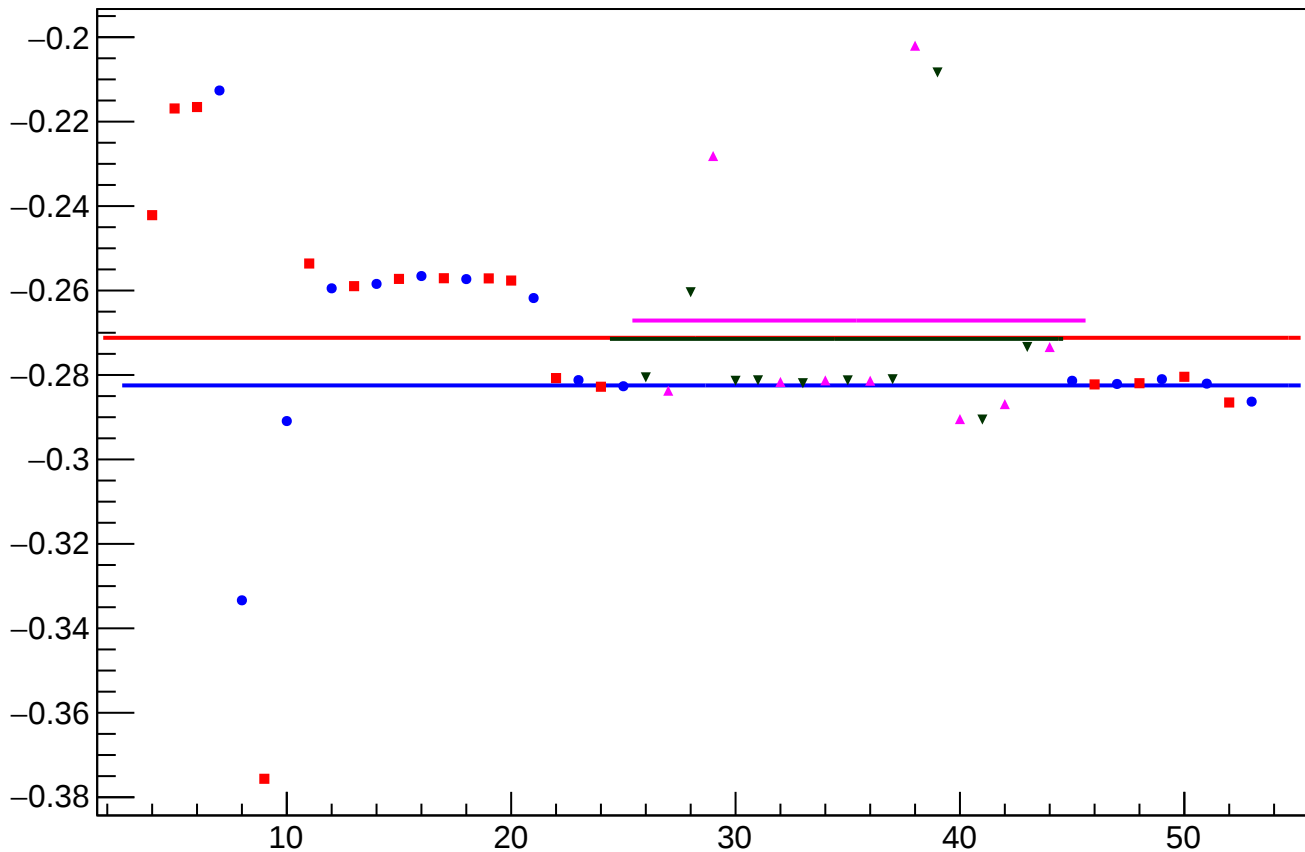
Right Out: 0.005 ± 0.000 χ^2/NDF : 1416691.1/15

Left In: 0.005 ± 0.000 χ^2/NDF : 366477.9/8

0.005 ± 0.000 χ^2/NDF : 1841349.6/24

0.005 ± 0.000 χ^2/NDF : 1784746.0/24

yield_bpm16Y_mean vs slug



Right In: -0.282+/-0.000 χ^2/NDF : 1067808297.5/14

Left Out: -0.271+/-0.000 χ^2/NDF : 349277523.0/9

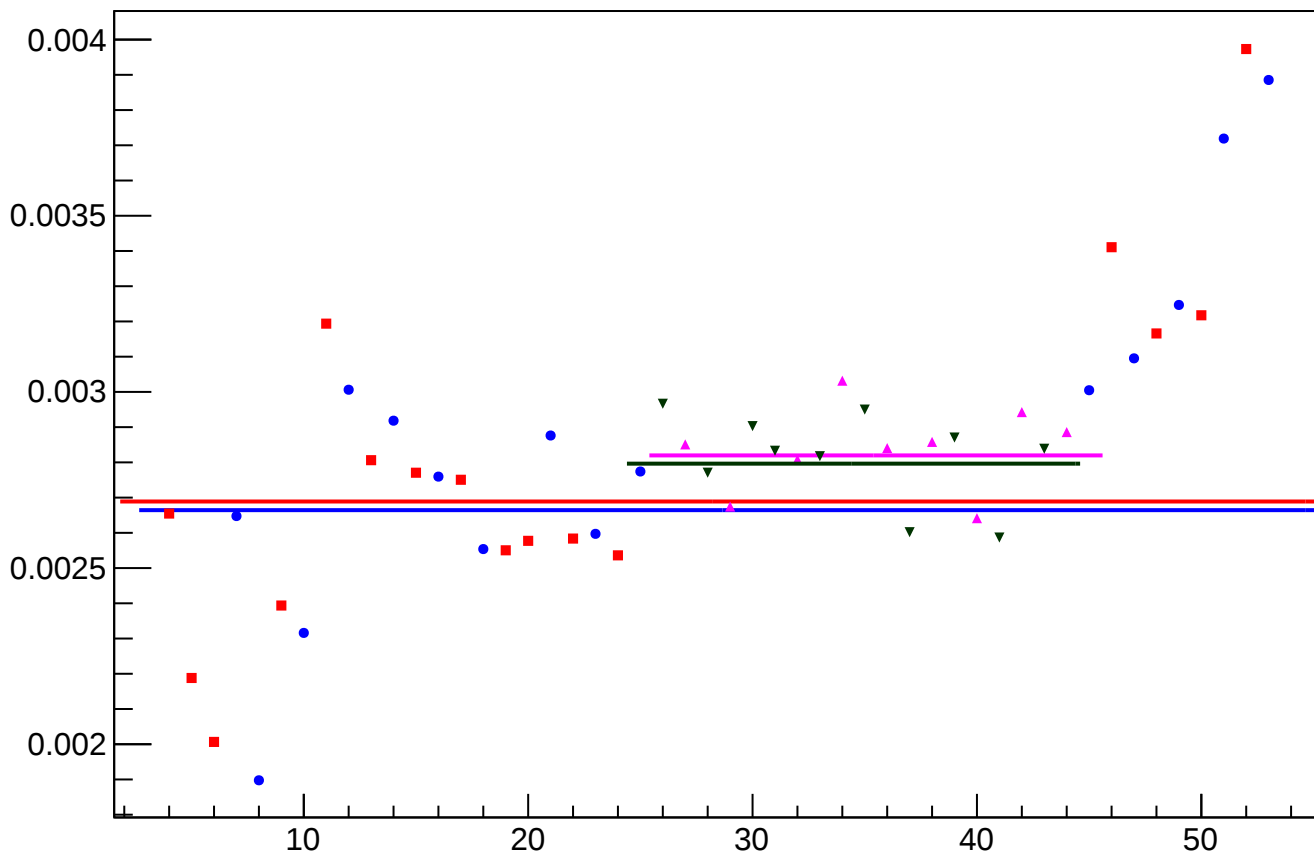
-0.279+/-0.000 χ^2/NDF : 1469299149.2/24

Right Out: -0.271+/-0.000 χ^2/NDF : 1962041719.1/15

-0.270+/-0.000 χ^2/NDF : 2522747003.8/24

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 : 623873.5/14

Left Out: 0.003+/-0.000 χ^2/NDF :22003.3/9

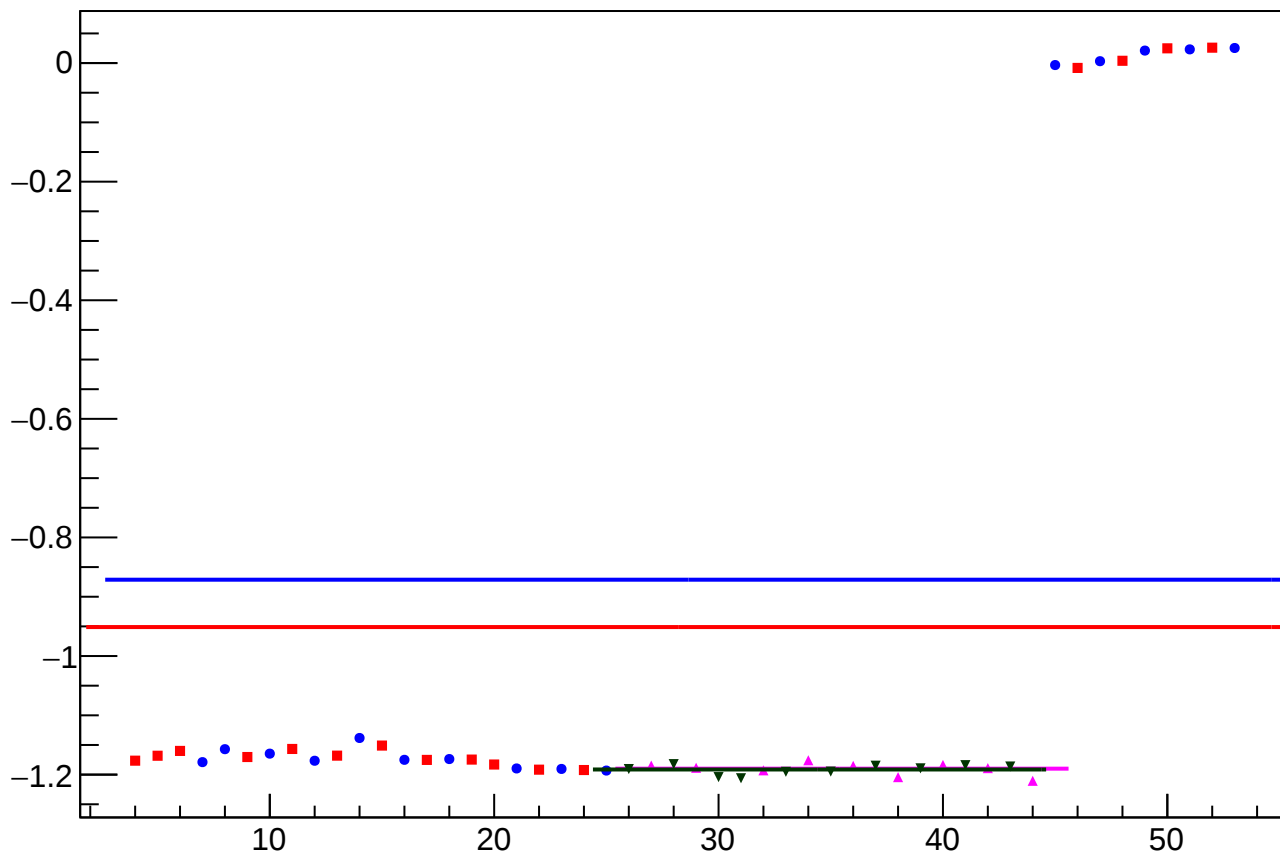
Right Out: 0.003+/-0.000 χ^2/NDF : 408117.1/15

Left In: 0.003+/-0.000 χ^2/NDF :16488.2/8

0.003+/-0.000 χ^2/NDF : 660836.7/24

0.003+/-0.000 χ^2/NDF : 439010.4/24

yield_bpm2i01X_mean vs slug



Right In: -0.871+/-0.000 χ^2/NDF : 45341655722.7/14

Left Out: -1.191+/-0.000 χ^2/NDF : 4812748.3/9

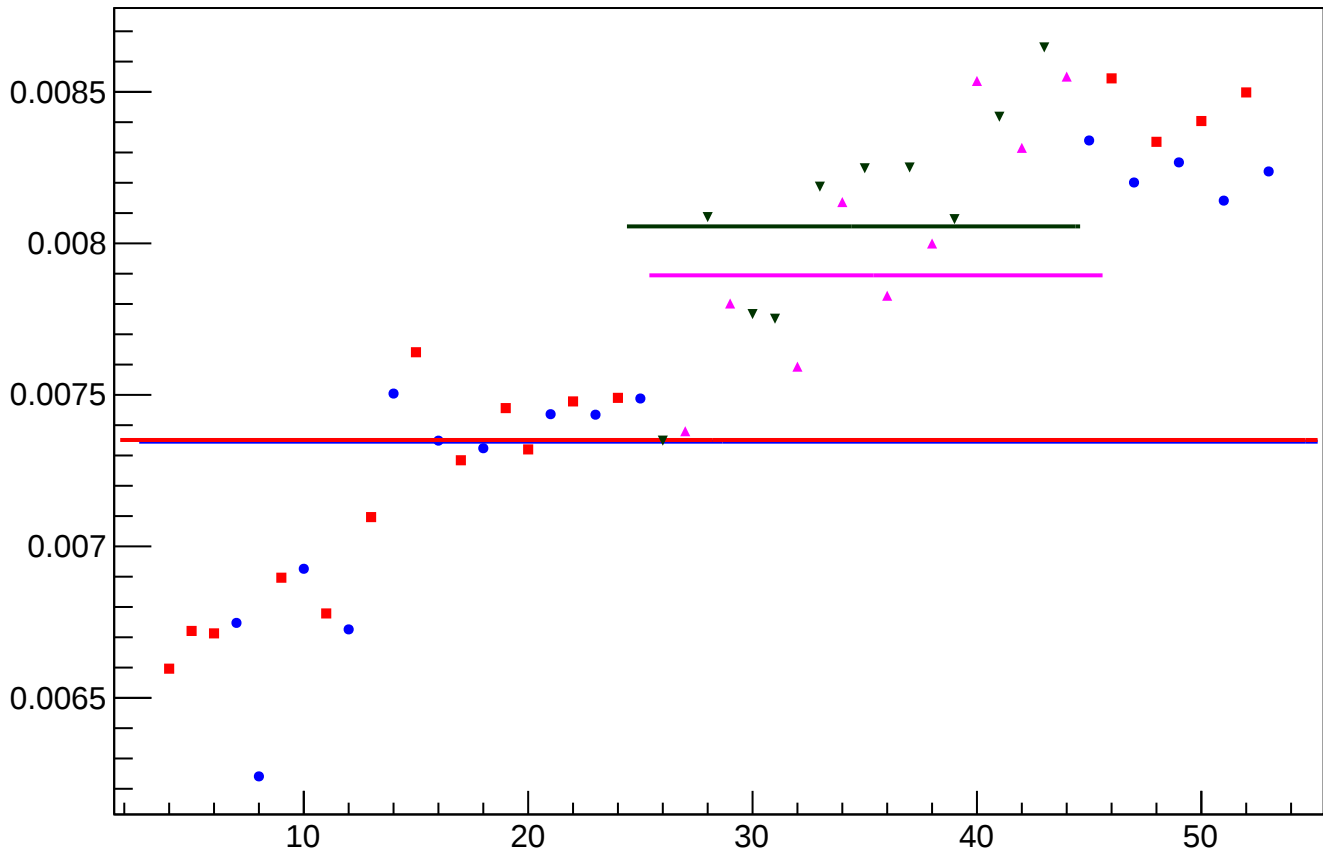
Right Out: -0.951+/-0.000 χ^2/NDF : 32646906226.8/15

Left In: -1.190+/-0.000 χ^2/NDF : 6924812.0/8

-0.974+/-0.000 χ^2/NDF : 50982320558.5/24

-1.038+/-0.000 χ^2/NDF : 35862828561.9/24

yield_bpm2i01X_rms vs slug



Right In: 0.007 ± 0.000 χ^2/NDF : 148394.9/14

Left Out: 0.008 ± 0.000 χ^2/NDF : 19479.9/9

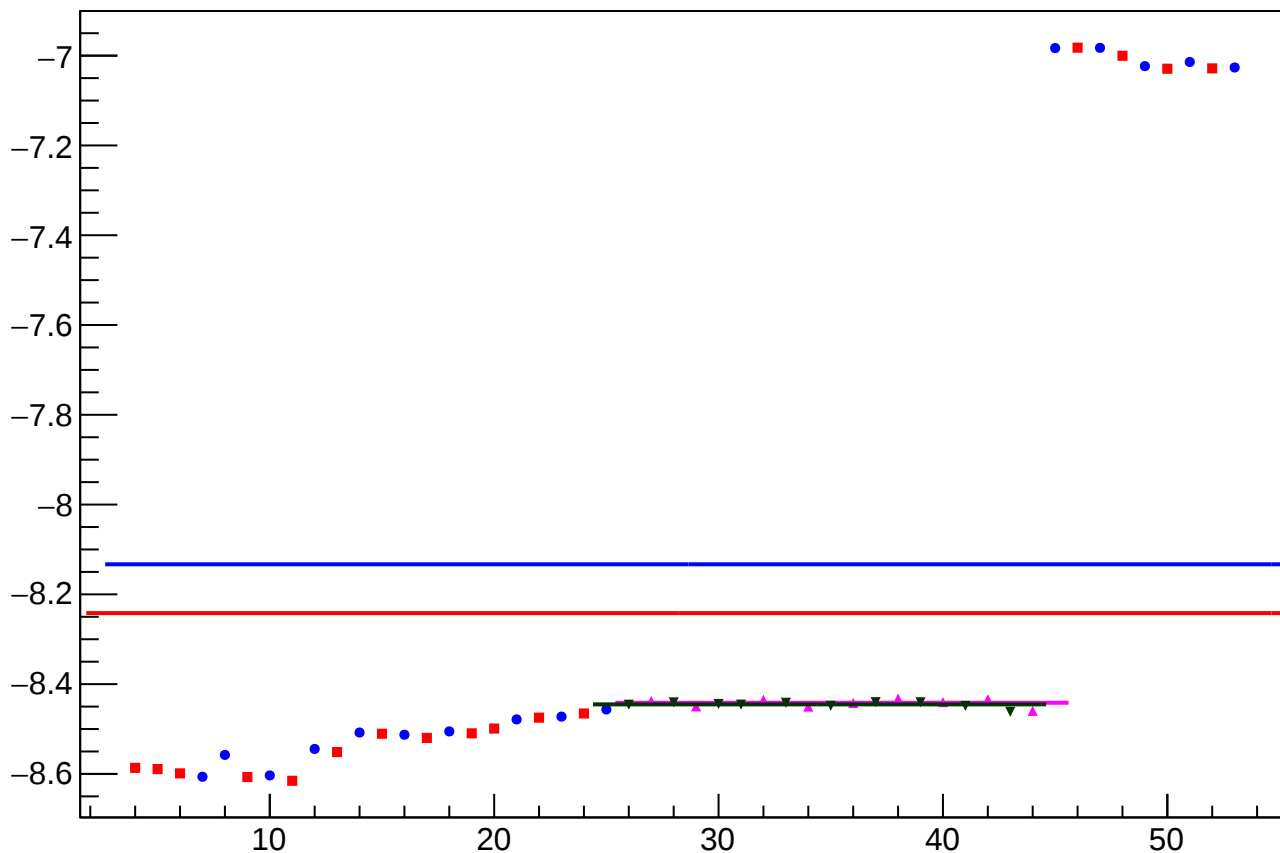
Right Out: 0.007 ± 0.000 χ^2/NDF : 112307.6/15

Left In: 0.008 ± 0.000 χ^2/NDF : 26175.0/8

0.008 ± 0.000 χ^2/NDF : 223411.4/24

0.008 ± 0.000 χ^2/NDF : 171712.3/24

yield_bpm2i01Y_mean vs slug



Right In: -8.133+/-0.000 χ^2/NDF : 84842794026.7/14

Left Out: -8.445+/-0.000 χ^2/NDF : 3367094.4/9

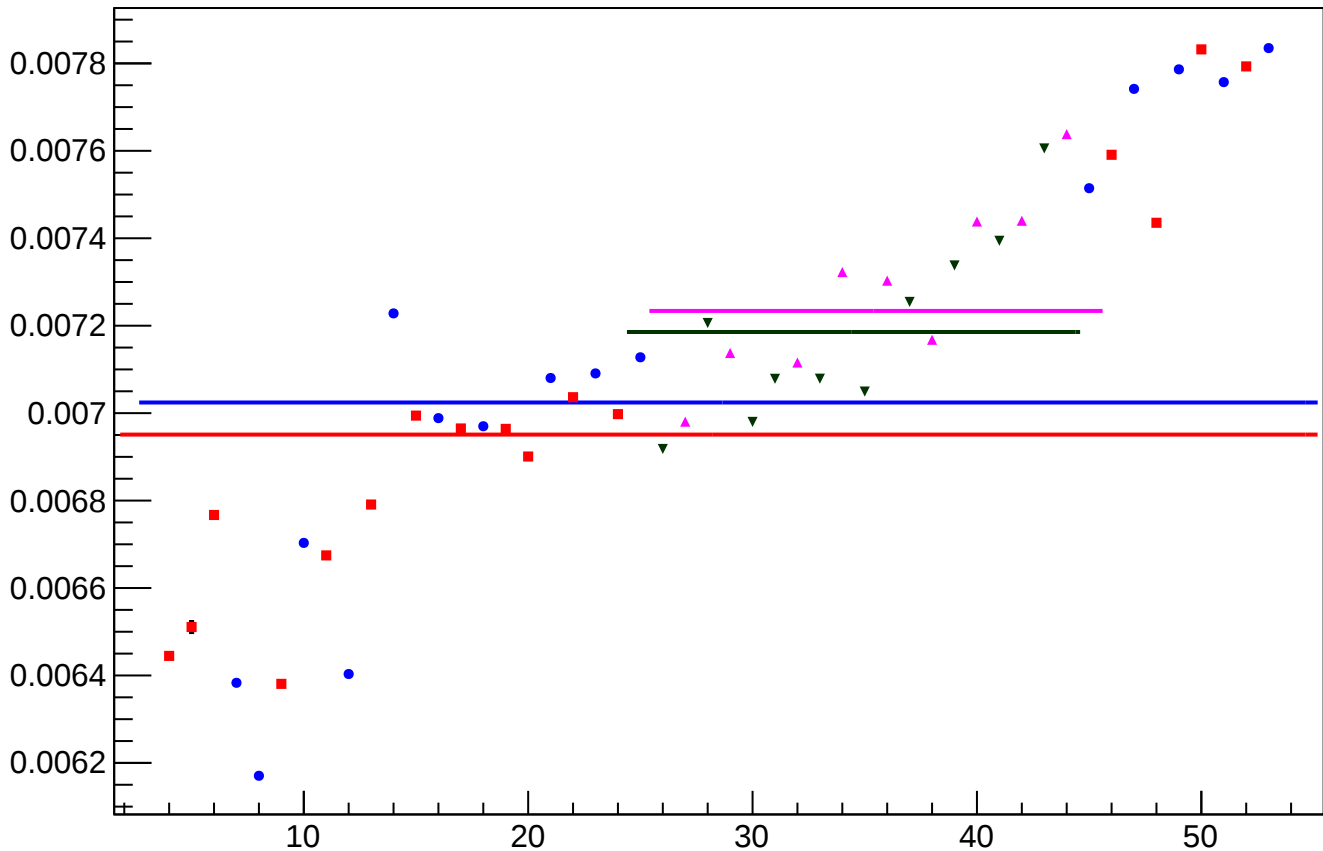
Right Out: -8.242+/-0.000 χ^2/NDF : 66038290742.4/15

Left In: -8.441+/-0.000 χ^2/NDF : 7266938.1/8

-8.244+/-0.000 χ^2/NDF : 91373520138.6/24

-8.318+/-0.000 χ^2/NDF : 68697067496.2/24

yield_bpm2i01Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 106176.3/14

Left Out: 0.007+/-0.000 χ^2/NDF : 7631.6/9

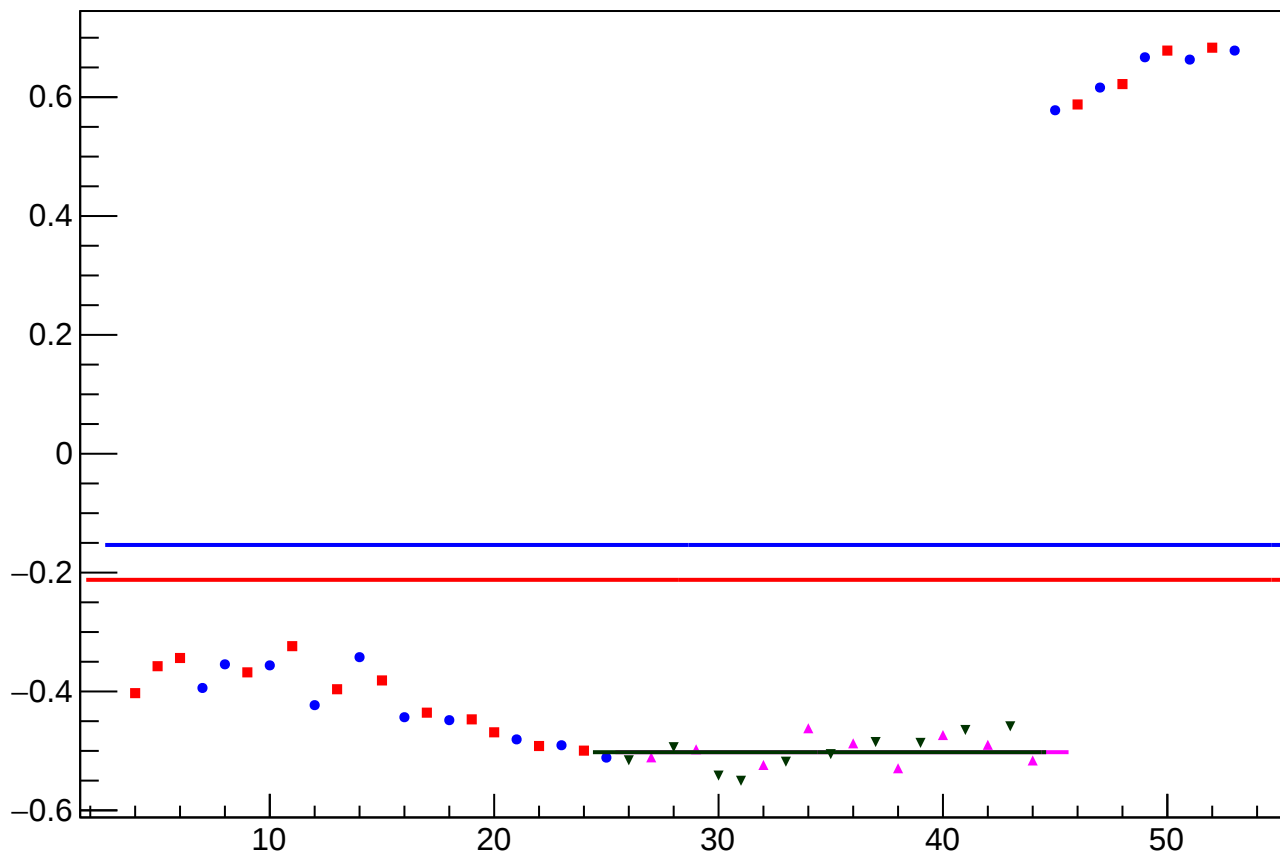
0.007+/-0.000 χ^2/NDF : 117293.8/24

Right Out: 0.007+/-0.000 χ^2/NDF : 59705.7/15

0.007+/-0.000 χ^2/NDF : 78142.6/24

Left In: 0.007+/-0.000 χ^2/NDF : 7802.2/8

yield_bpm2i02X_mean vs slug



Right In: -0.153+/-0.000 χ^2/NDF : 5496509090.4/14

Left Out: -0.502+/-0.000 χ^2/NDF : 9337230.3/9

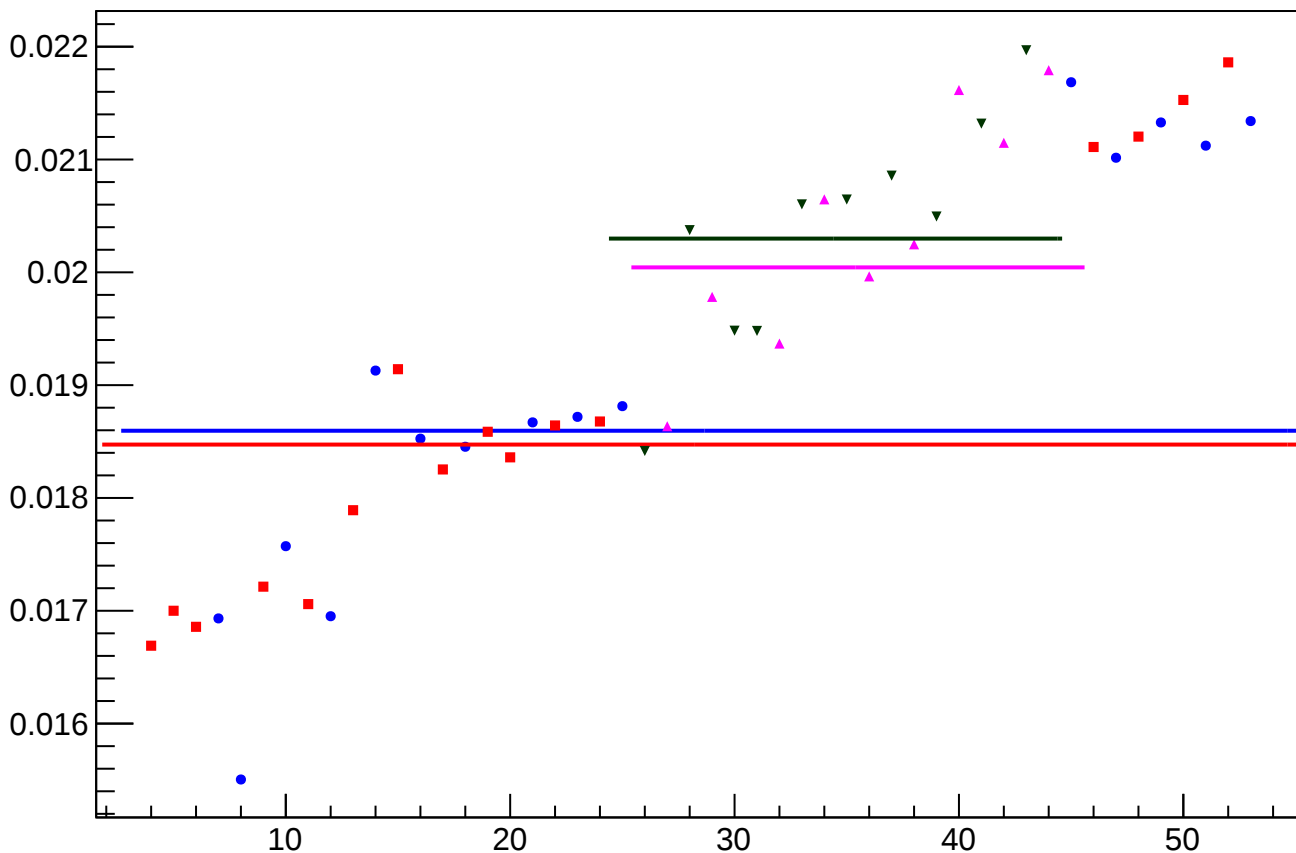
Right Out: -0.212+/-0.000 χ^2/NDF : 4052483162.3/15

Left In: -0.502+/-0.000 χ^2/NDF : 5607835.8/8

-0.266+/-0.000 χ^2/NDF : 6557720487.1/24

-0.317+/-0.000 χ^2/NDF : 4798840394.6/24

yield_bpm2i02X_rms vs slug



Right In: 0.019+/-0.000 χ^2/NDF : 192051.8/14

Left Out: 0.020+/-0.000 χ^2/NDF :22702.3/9

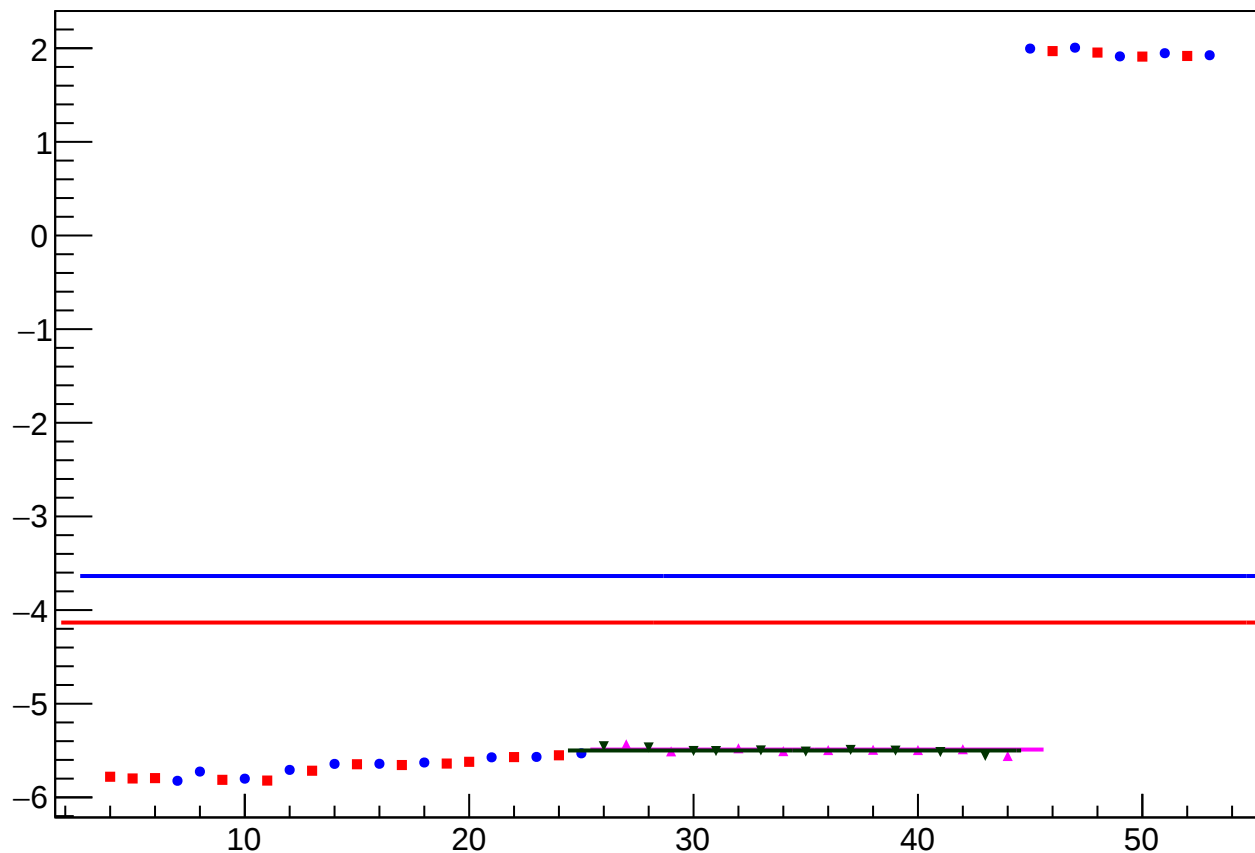
Right Out: 0.018+/-0.000 χ^2/NDF : 120559.6/15

Left In: 0.020+/-0.000 χ^2/NDF :27295.1/8

0.019+/-0.000 χ^2/NDF : 264945.5/24

0.019+/-0.000 χ^2/NDF : 191307.2/24

yield_bpm2i02Y_mean vs slug



Right In: -3.636+/-0.000 χ^2/NDF : 712794872674.9/14

Left Out: -5.499+/-0.000 χ^2/NDF : 23863148.1/9

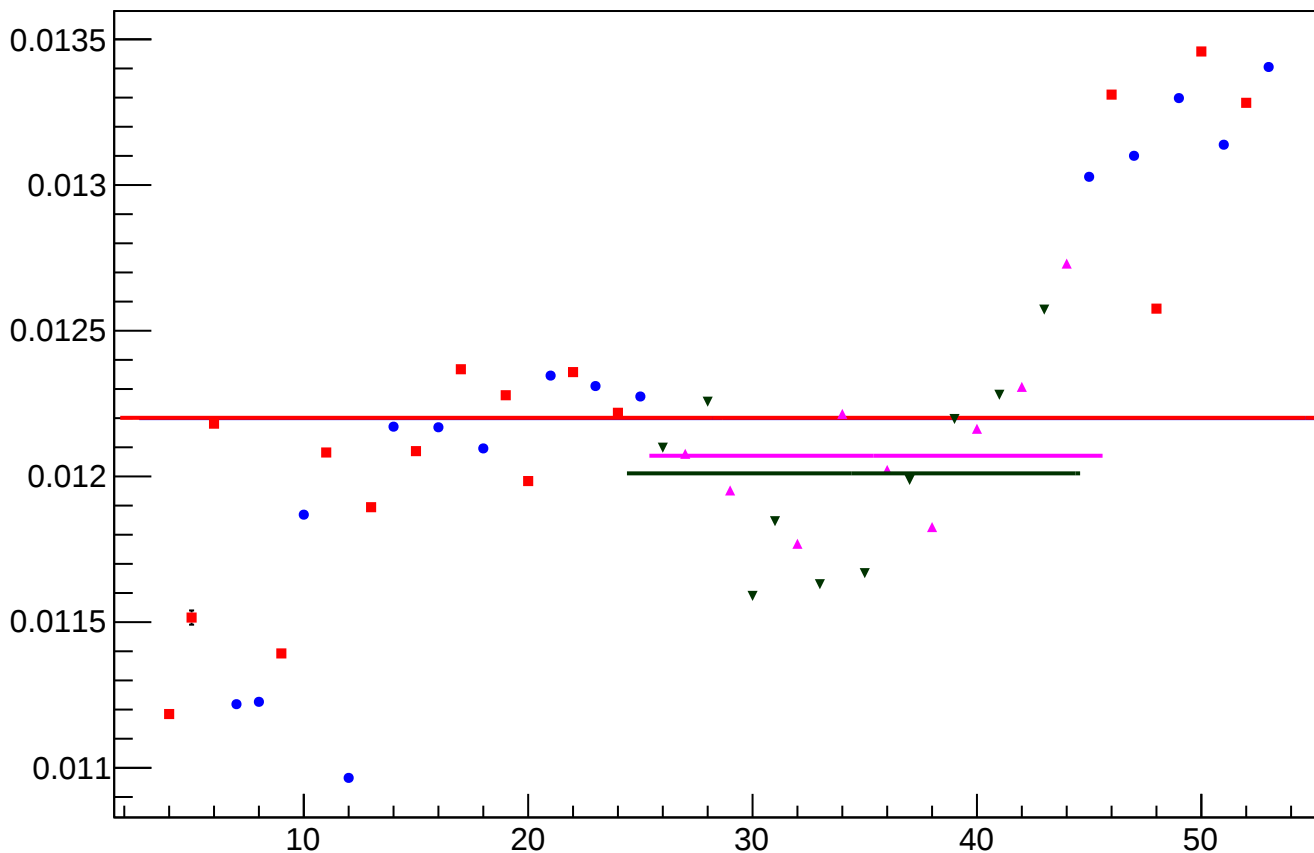
Right Out: -4.133+/-0.000 χ^2/NDF : 534661970649.9/15

Left In: -5.490+/-0.000 χ^2/NDF : 37957034.6/8

-4.330+/-0.000 χ^2/NDF : 793698290709.0/24

-4.687+/-0.000 χ^2/NDF : 576752151422.4/24

yield_bpm2i02Y_rms vs slug



Right In: 0.012 ± 0.000 χ^2/NDF : 68514.6/14

Left Out: 0.012 ± 0.000 χ^2/NDF : 6913.8/9

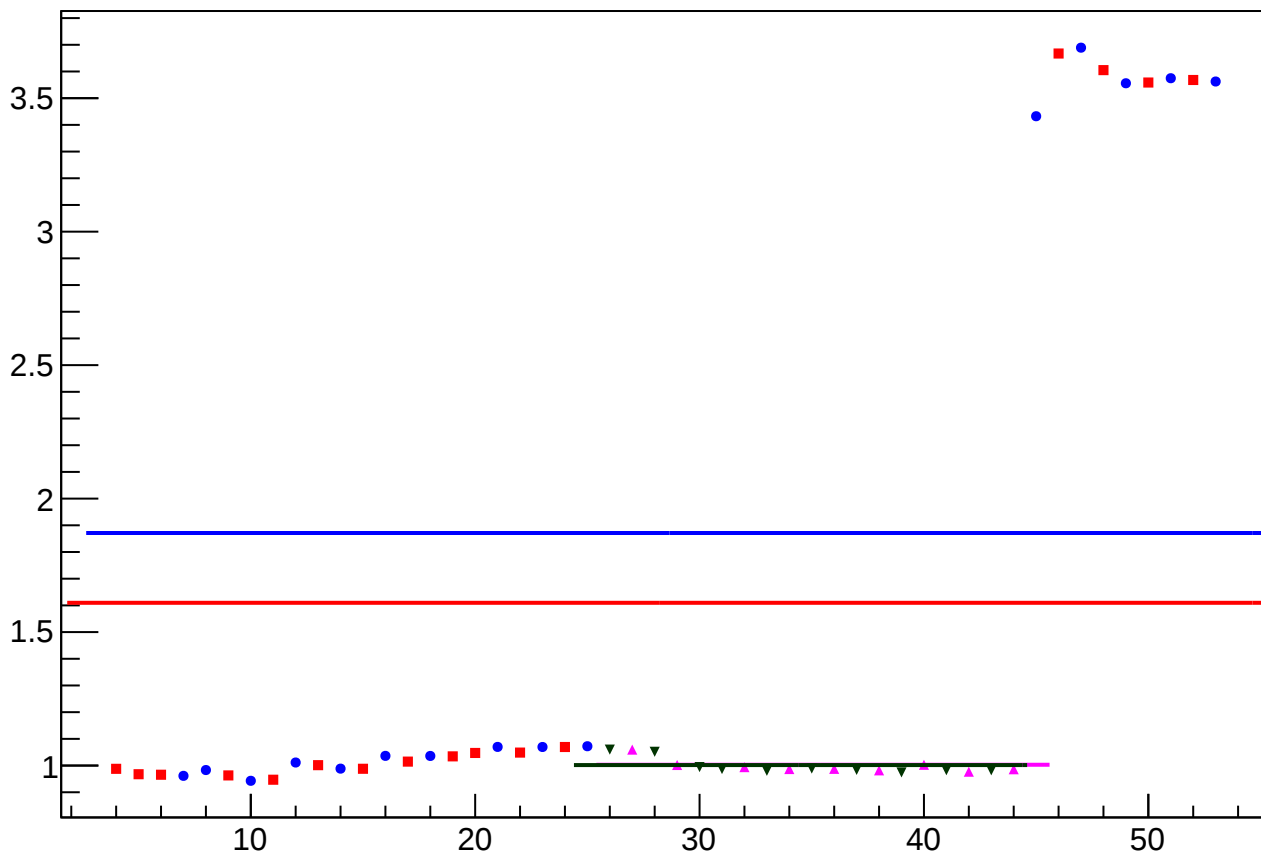
Right Out: 0.012 ± 0.000 χ^2/NDF : 40452.9/15

Left In: 0.012 ± 0.000 χ^2/NDF : 5130.3/8

0.012 ± 0.000 χ^2/NDF : 77102.8/24

0.012 ± 0.000 χ^2/NDF : 46357.9/24

yield_bpm1i04X_mean vs slug



Right In: 1.871+/-0.000 χ^2/NDF : 225318668141.0/14

Left Out: 1.002+/-0.000 χ^2/NDF : 93267140.0/9

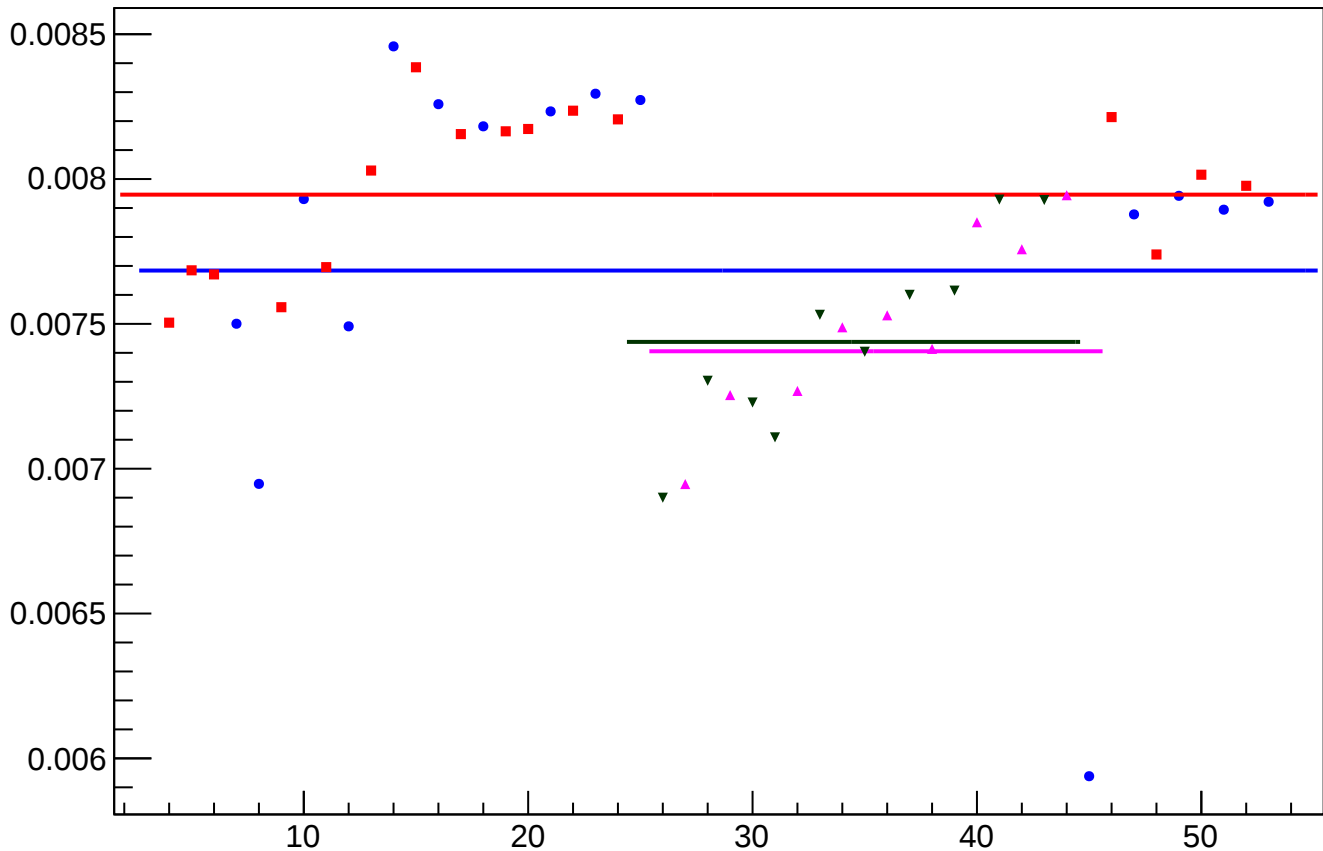
1.541+/-0.000 χ^2/NDF : 270223233425.1/24

Right Out: 1.610+/-0.000 χ^2/NDF : 160082679600.9/15

1.346+/-0.000 χ^2/NDF : 181223928422.1/24

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 : 171855.5/14

Left Out: 0.007+/-0.000 χ^2/NDF :18100.0/9

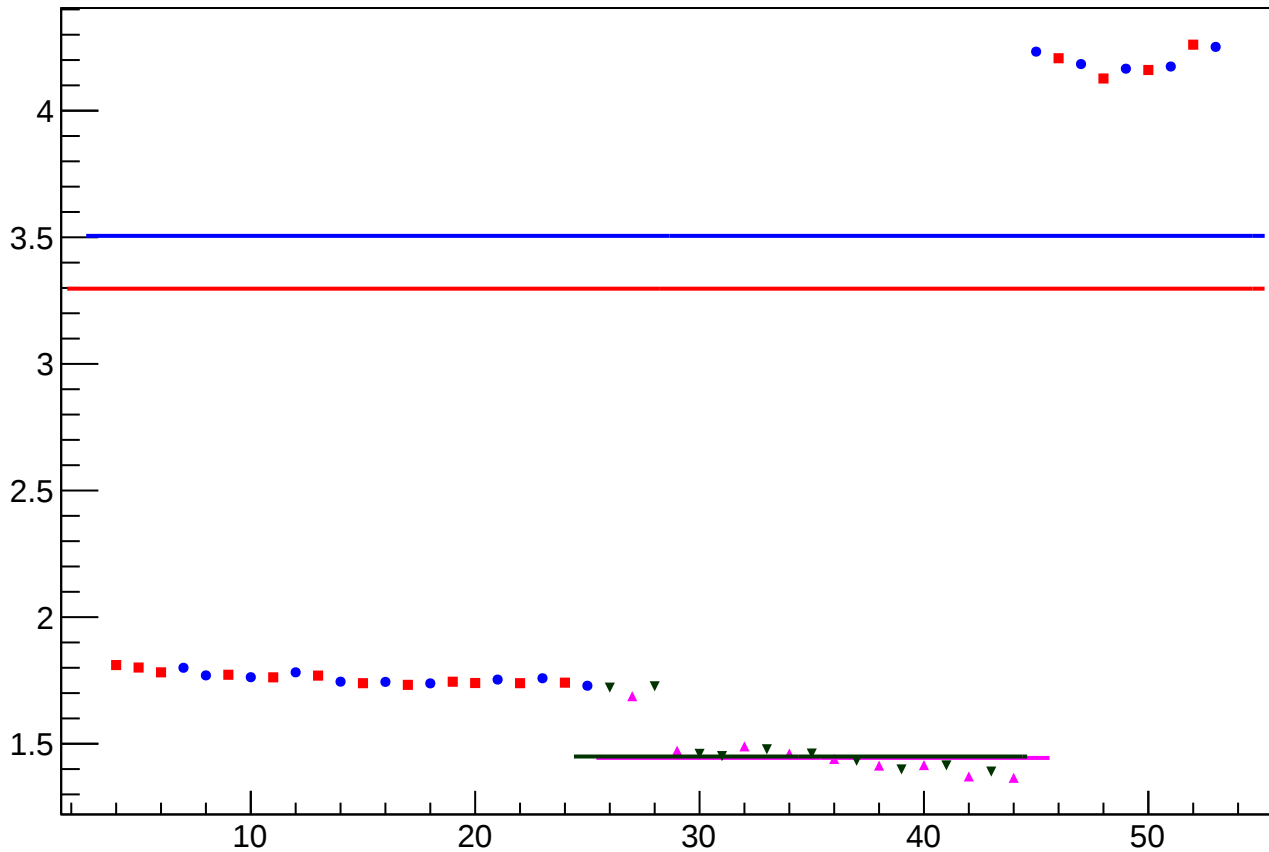
Right Out: 0.008+/-0.000 χ^2/NDF : 19186.6/15

Left In: 0.007+/-0.000 χ^2/NDF :18945.2/8

0.008+/-0.000 χ^2/NDF : 197151.1/24

0.008+/-0.000 χ^2/NDF : 71603.8/24

yield_bpm1i04Y_mean vs slug



Right In: 3.506+/-0.000 χ^2/NDF : 441618199572.4/14

Left Out: 1.450+/-0.000 χ^2/NDF : 719591225.9/9

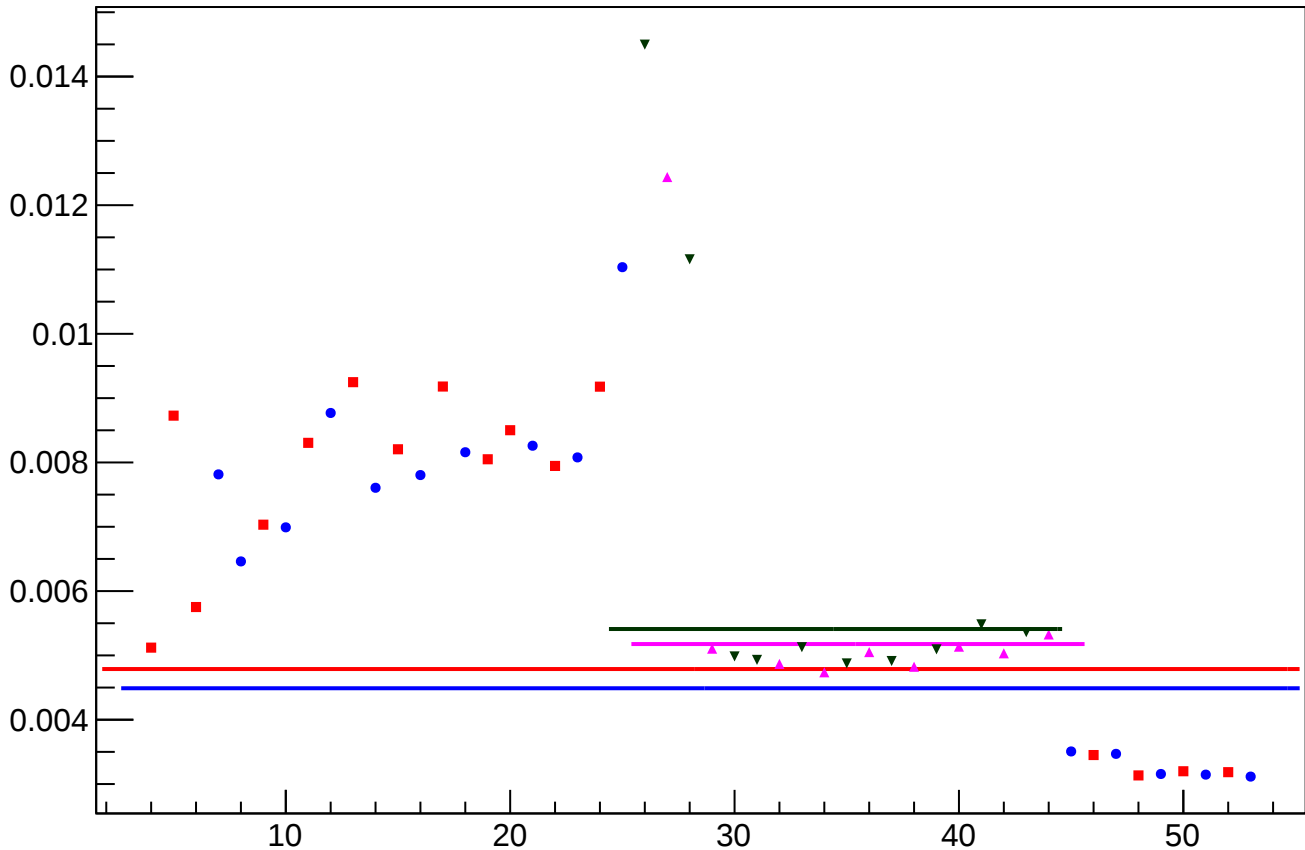
2.881+/-0.000 χ^2/NDF : 911512835114.5/24

Right Out: 3.297+/-0.000 χ^2/NDF : 389218441924.1/15

2.561+/-0.000 χ^2/NDF : 778690552926.9/24

Left In: 1.444+/-0.000 χ^2/NDF : 633323170.8/8

yield_bpm1i04Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 3002248.6/14

Left Out: 0.005+/-0.000 χ^2/NDF : 753040.6/9

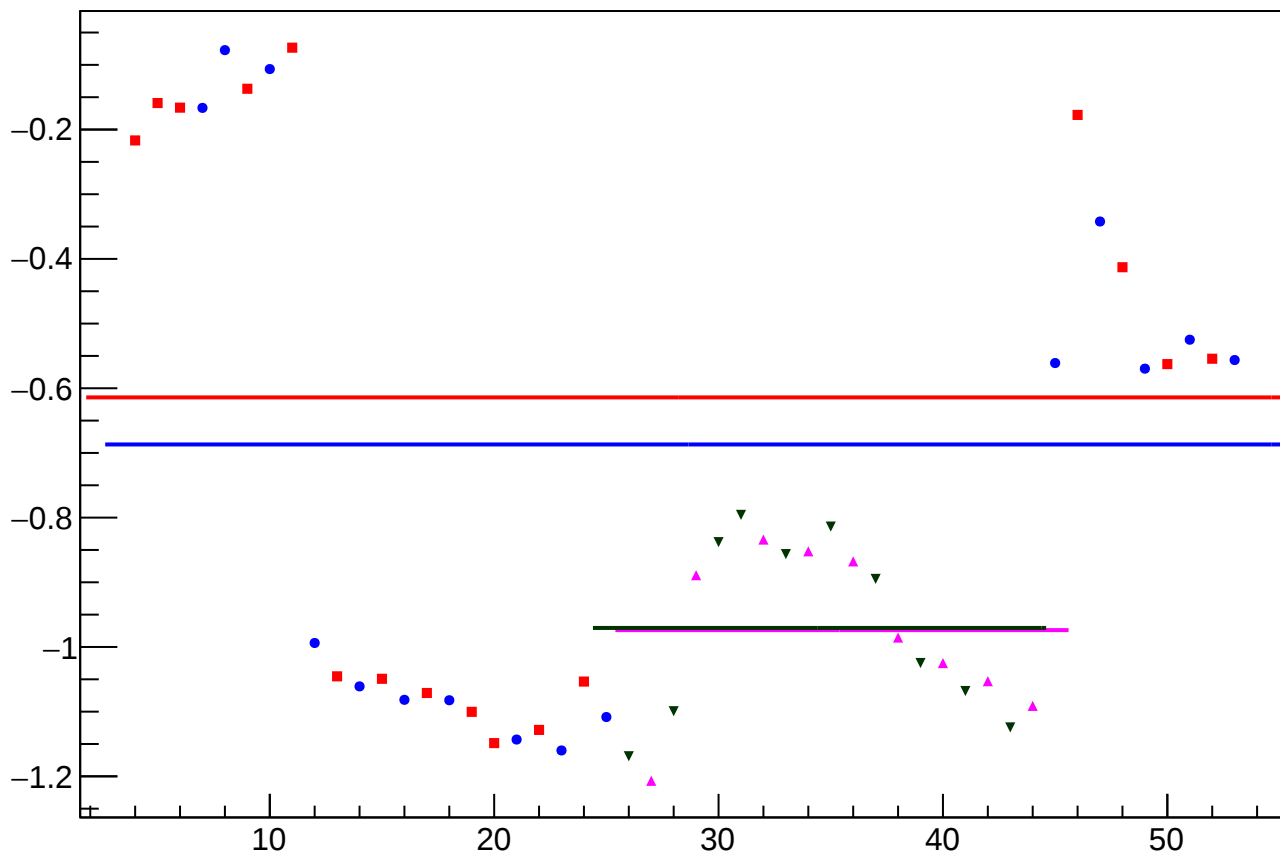
0.005+/-0.000 χ^2/NDF : 3943604.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 2841493.2/15

0.005+/-0.000 χ^2/NDF : 3389863.6/24

Left In: 0.005+/-0.000 χ^2/NDF : 514197.3/8

yield_bpm0l01X_mean vs slug



Right In: -0.687+/-0.000 χ^2/NDF : 18801472579.4/14

Left Out: -0.971+/-0.000 χ^2/NDF : 1156218036.6/9

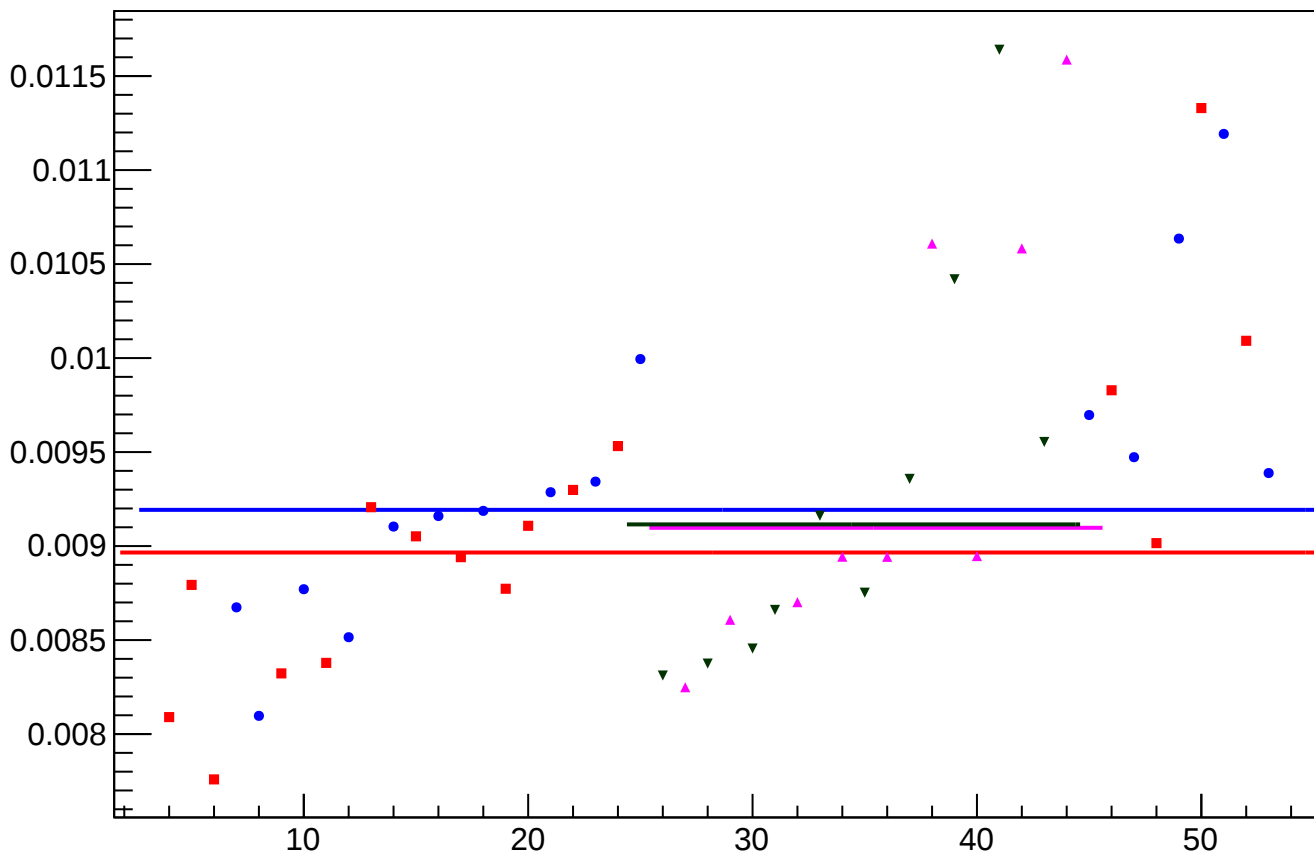
Right Out: -0.614+/-0.000 χ^2/NDF : 19175061866.1/15

Left In: -0.974+/-0.000 χ^2/NDF : 1225322966.4/8

-0.790+/-0.000 χ^2/NDF : 23126753850.7/24

-0.756+/-0.000 χ^2/NDF : 25590955462.0/24

yield_bpm0l01X_rms vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 114008.3/14

Left Out: 0.009+/-0.000 χ^2/NDF :104201.5/9

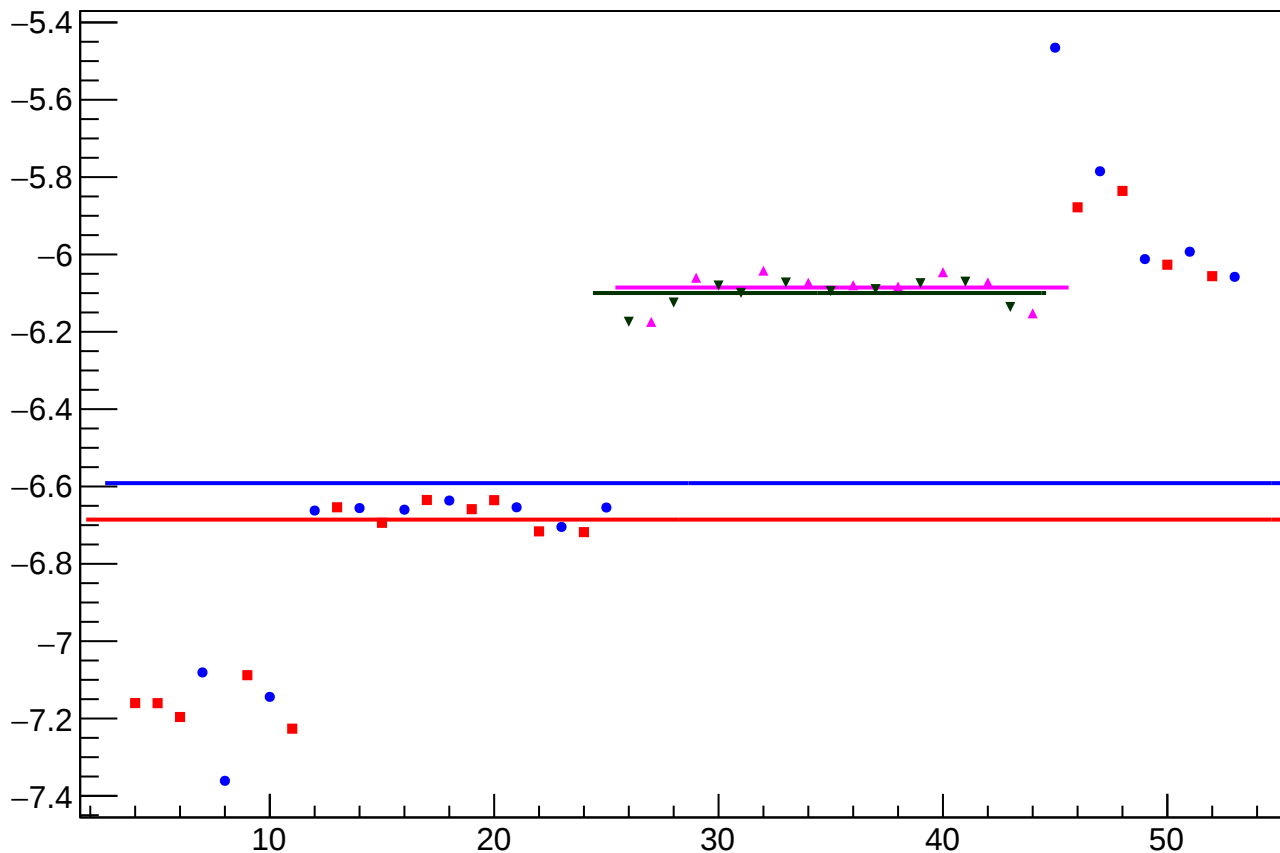
Right Out: 0.009+/-0.000 χ^2/NDF : 124252.0/15

Left In: 0.009+/-0.000 χ^2/NDF :115547.6/8

0.009+/-0.000 χ^2/NDF : 218681.3/24

0.009+/-0.000 χ^2/NDF : 241184.5/24

yield_bpm0l01Y_mean vs slug



Right In: -6.591+/-0.000 χ^2/NDF : 29422135074.4/14

Left Out: -6.100+/-0.000 χ^2/NDF : 52135577.5/9

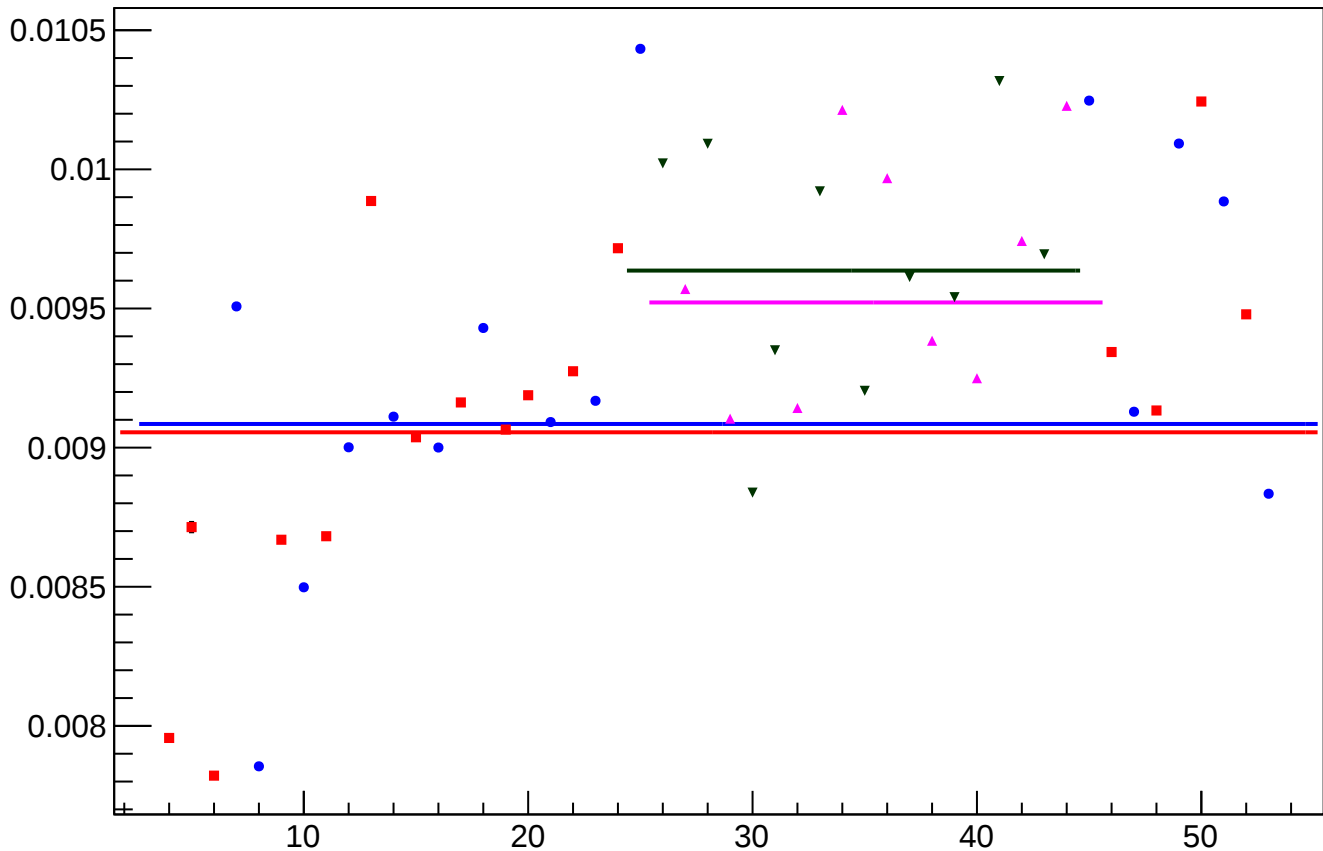
Right Out: -6.686+/-0.000 χ^2/NDF : 19914088808.1/15

Left In: -6.085+/-0.000 χ^2/NDF : 127997791.5/8

-6.427+/-0.000 χ^2/NDF : 38340393604.3/24

-6.457+/-0.000 χ^2/NDF : 33500089401.2/24

yield_bpm0l01Y_rms vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 99288.0/14

Left Out: 0.010+/-0.000 χ^2/NDF : 21331.0/9

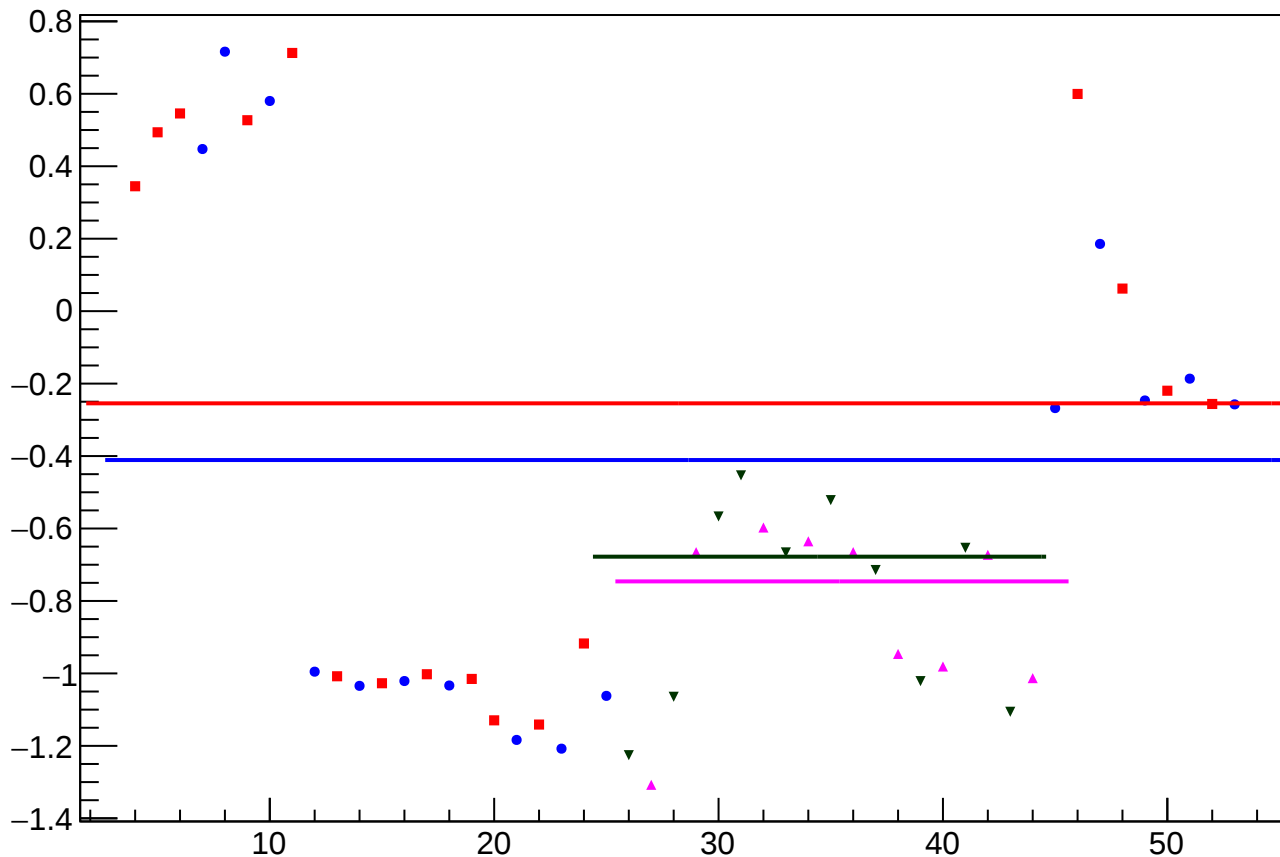
0.009+/-0.000 χ^2/NDF : 142915.0/24

Right Out: 0.009+/-0.000 χ^2/NDF : 80871.4/15

0.009+/-0.000 χ^2/NDF : 116436.4/24

Left In: 0.010+/-0.000 χ^2/NDF : 19294.1/8

yield_bpm0l02X_mean vs slug



Right In: -0.411+/-0.000 χ^2/NDF : 9992664238.3/14

Left Out: -0.678+/-0.000 χ^2/NDF : 1358570765.2/9

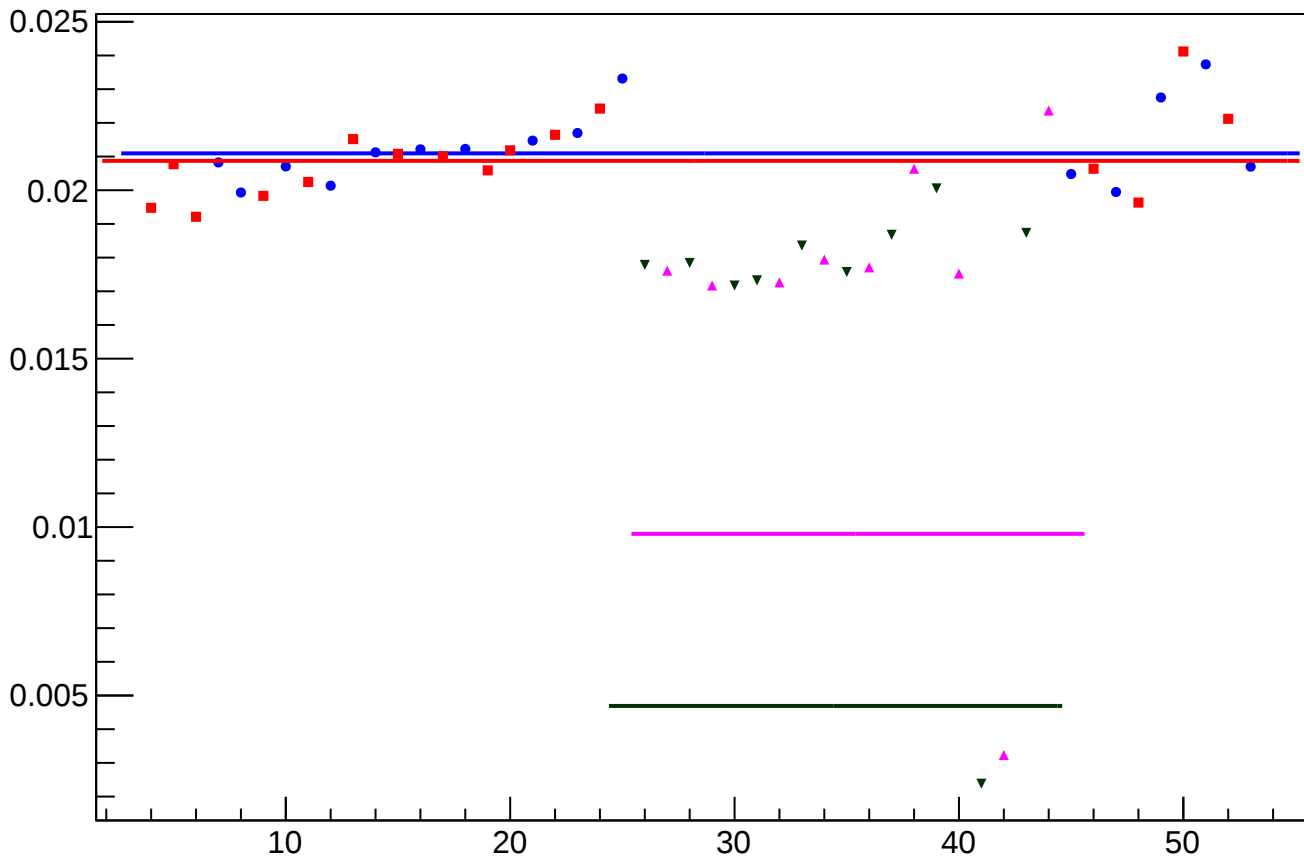
-0.630+/-0.000 χ^2/NDF : 12566147821.6/24

Right Out: -0.254+/-0.000 χ^2/NDF : 10096212755.6/15

-0.572+/-0.000 χ^2/NDF : 14320684918.5/24

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 : 40580.3/14

Left Out: 0.005 ± 0.000 χ^2/NDF : 5998219.6/9

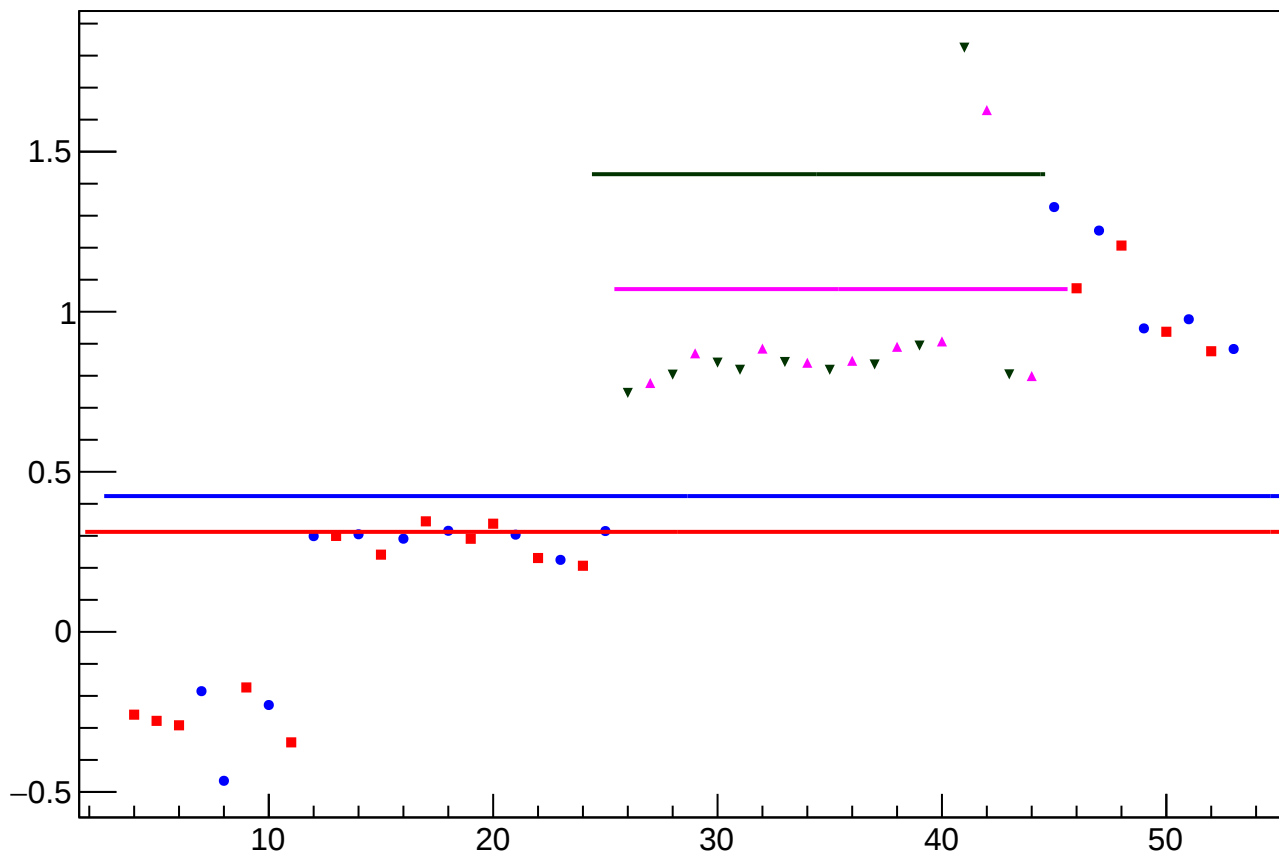
Right Out: 0.021 ± 0.000 χ^2/NDF : 52741.4/15

Left In: 0.010 ± 0.000 χ^2/NDF : 3818425.7/8

0.008 ± 0.000 χ^2/NDF : 15226862.4/24

0.014 ± 0.000 χ^2/NDF : 6871081.8/24

yield_bpm0l02Y_mean vs slug



Right In: 0.424+/-0.000 χ^2/NDF : 16804950604.6/14

Left Out: 1.430+/-0.000 χ^2/NDF : 20131817794.8/9

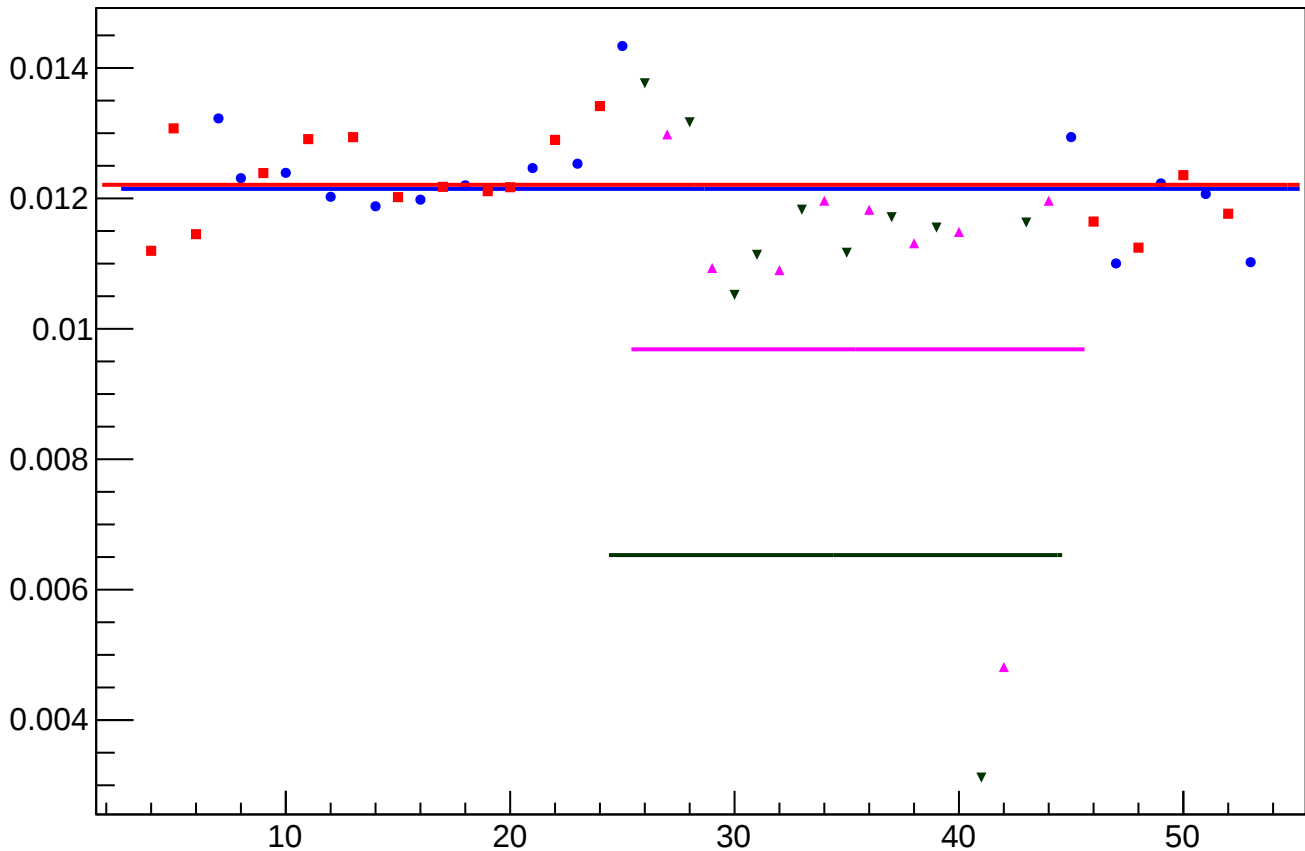
Right Out: 0.312+/-0.000 χ^2/NDF : 13132423151.7/15

Left In: 1.071+/-0.000 χ^2/NDF : 6285541515.9/8

1.004+/-0.000 χ^2/NDF : 73081546530.0/24

0.681+/-0.000 χ^2/NDF : 34666086749.1/24

yield_bpm0l02Y_rms vs slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 44578.9/14

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:3050338.6/9

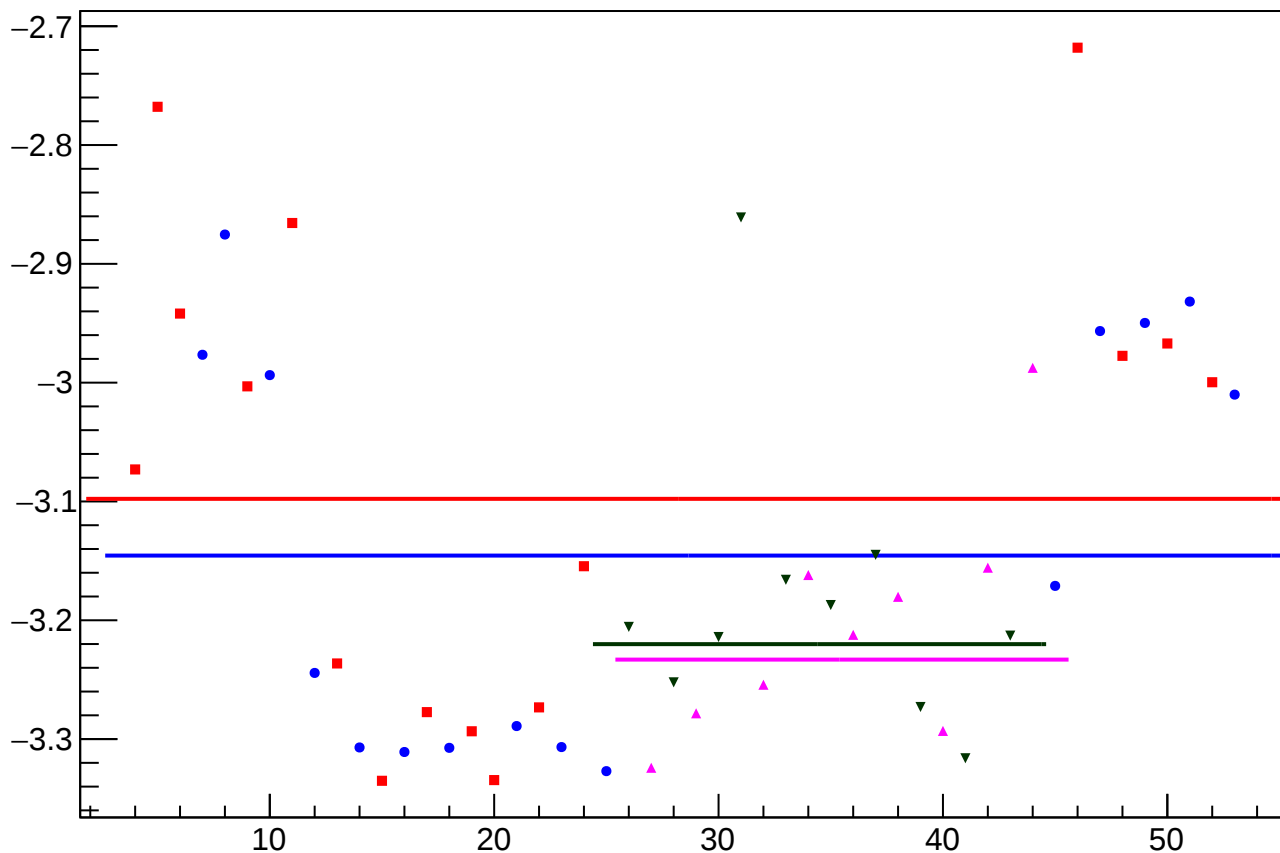
Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 44530.1/15

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:979026.7/8

0.009 $\pm$ 0.000 χ^2 /NDF: 5350045.6/24

0.011 $\pm$ 0.000 χ^2 /NDF: 1361037.3/24

yield_bpm0l03X_mean vs slug



Right In: -3.146+/-0.000 χ^2/NDF : 3732922572.6/14

Left Out: -3.220+/-0.000 χ^2/NDF : 428312091.3/9

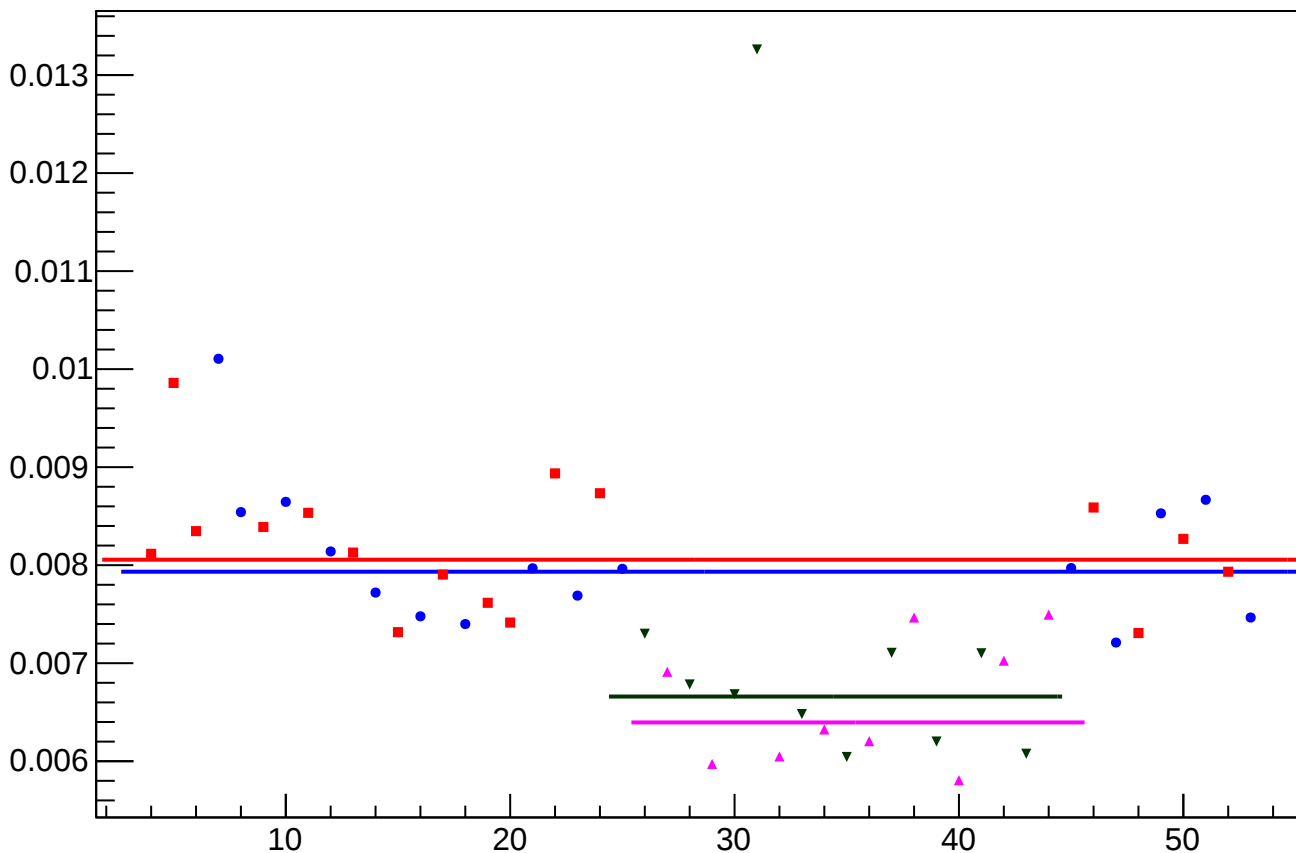
Right Out: -3.098+/-0.000 χ^2/NDF : 3607014173.3/15

Left In: -3.233+/-0.000 χ^2/NDF : 784509895.8/8

-3.178+/-0.000 χ^2/NDF : 4472585304.8/24

-3.168+/-0.000 χ^2/NDF : 5435392980.8/24

yield_bpm0l03X_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 68691.1/14

Left Out: 0.007+/-0.000 χ^2/NDF : 169219.9/9

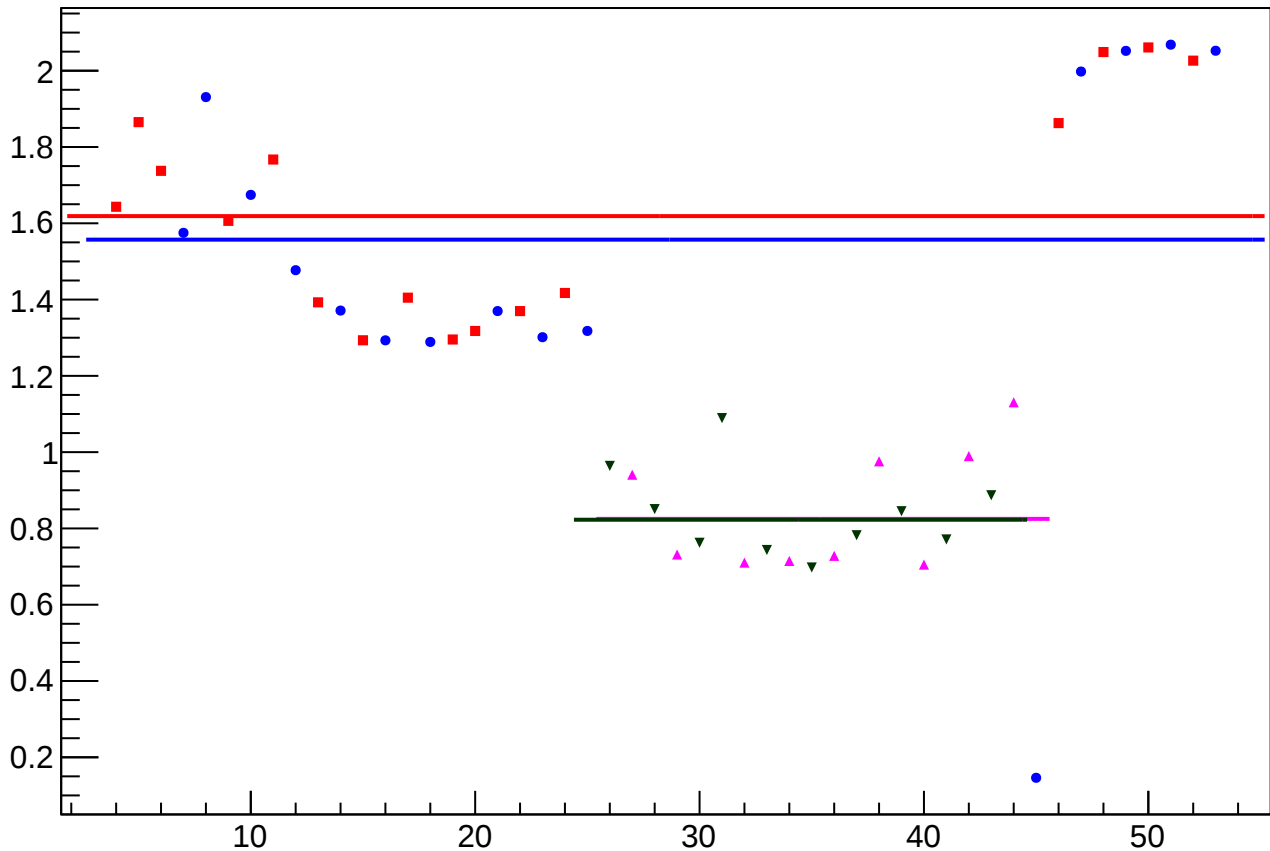
Right Out: 0.008+/-0.000 χ^2/NDF : 55631.6/15

Left In: 0.006+/-0.000 χ^2/NDF : 72293.2/8

0.007+/-0.000 χ^2/NDF : 419643.3/24

0.007+/-0.000 χ^2/NDF : 442246.5/24

yield_bpm0l03Y_mean vs slug



Right In: 1.557+/-0.000 χ^2/NDF : 22038116396.3/14

Left Out: 0.823+/-0.000 χ^2/NDF : 373202951.2/9

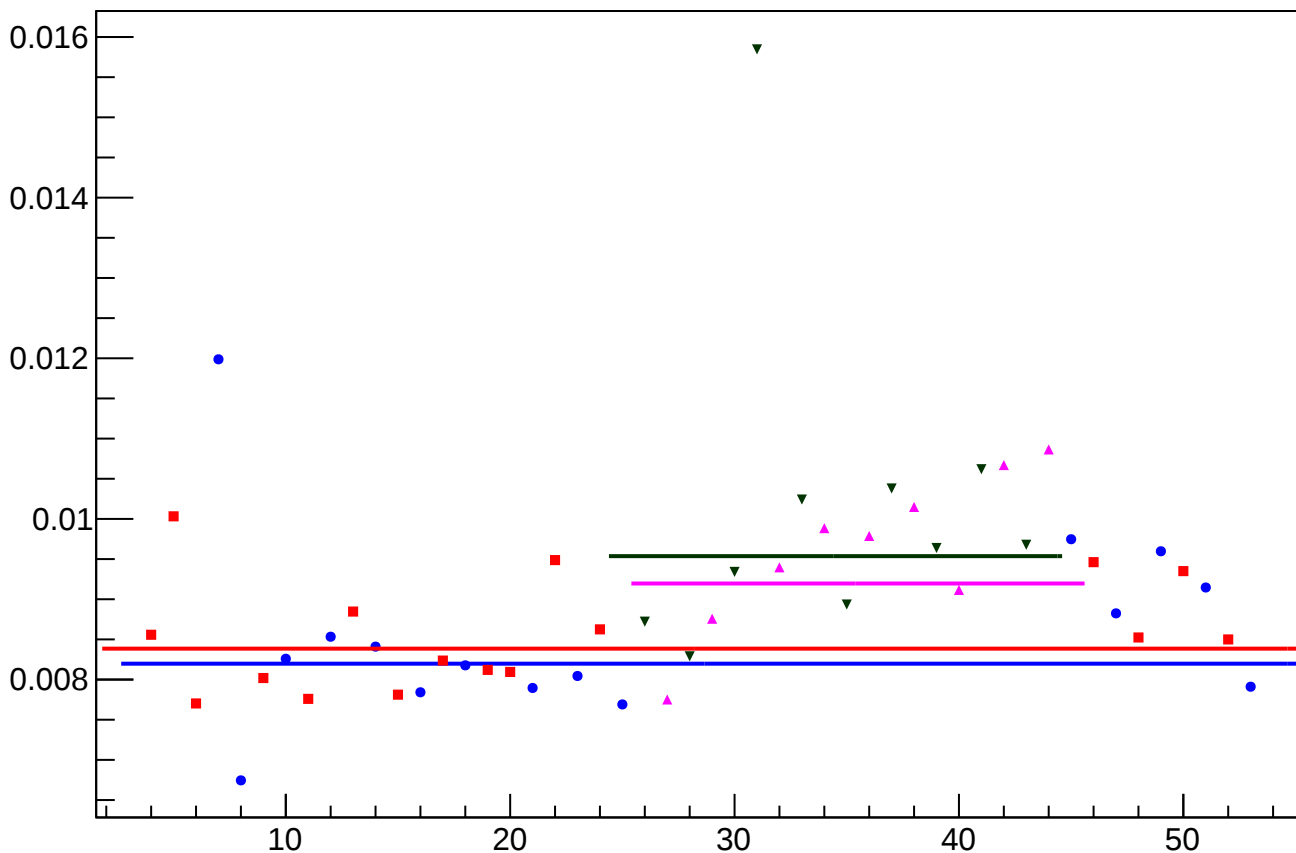
1.345+/-0.000 χ^2/NDF : 40846730961.5/24

Right Out: 1.619+/-0.000 χ^2/NDF : 7341539766.6/15

1.329+/-0.000 χ^2/NDF : 31269211886.3/24

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 : 176076.5/14

Left Out: 0.010 ± 0.000 χ^2/NDF : 144258.2/9

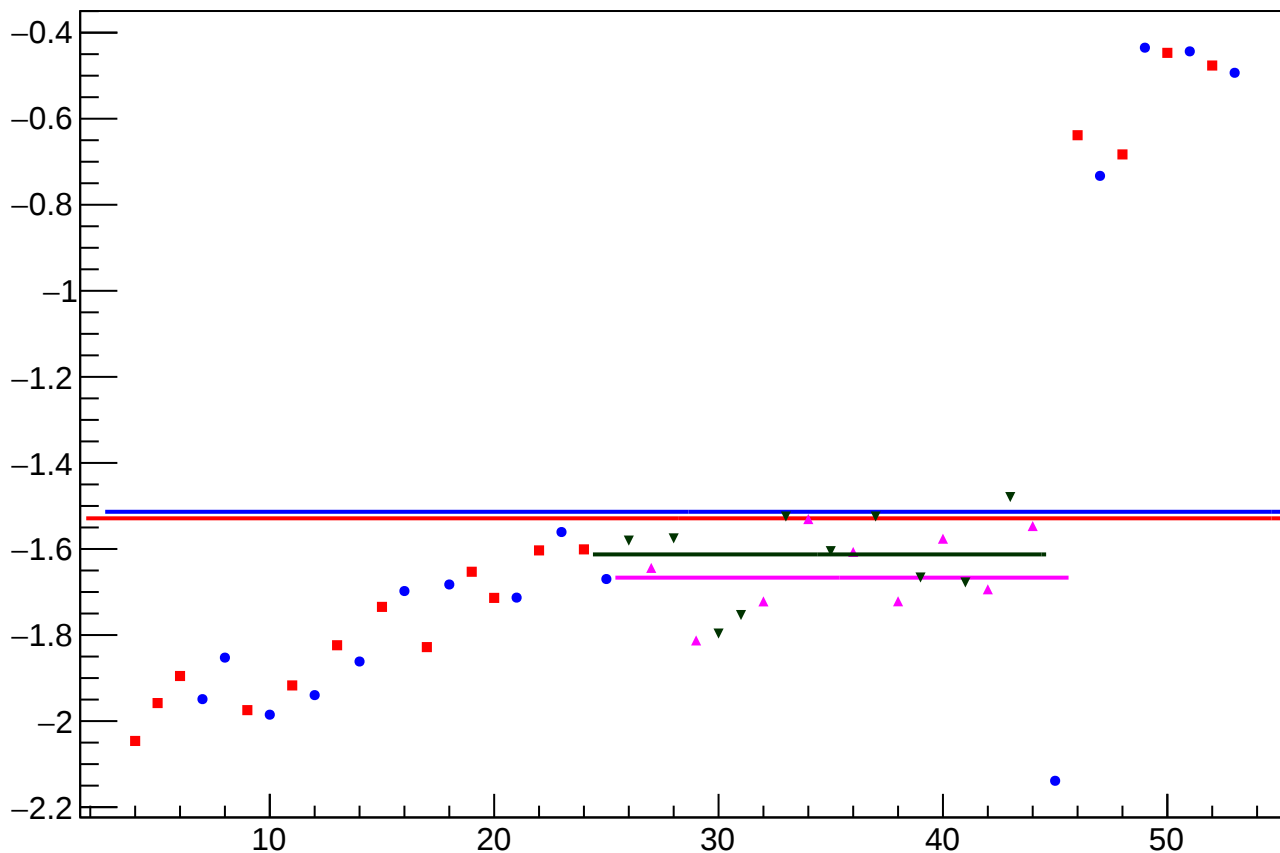
Right Out: 0.008 ± 0.000 χ^2/NDF : 63980.8/15

Left In: 0.009 ± 0.000 χ^2/NDF : 103784.9/8

0.009 ± 0.000 χ^2/NDF : 442901.6/24

0.009 ± 0.000 χ^2/NDF : 215528.9/24

yield_bpm0l04X_mean vs slug



Right In: -1.514 ± 0.000 χ^2/NDF : 23912606609.3/14

Left Out: -1.613 ± 0.000 χ^2/NDF : 327148879.4/9

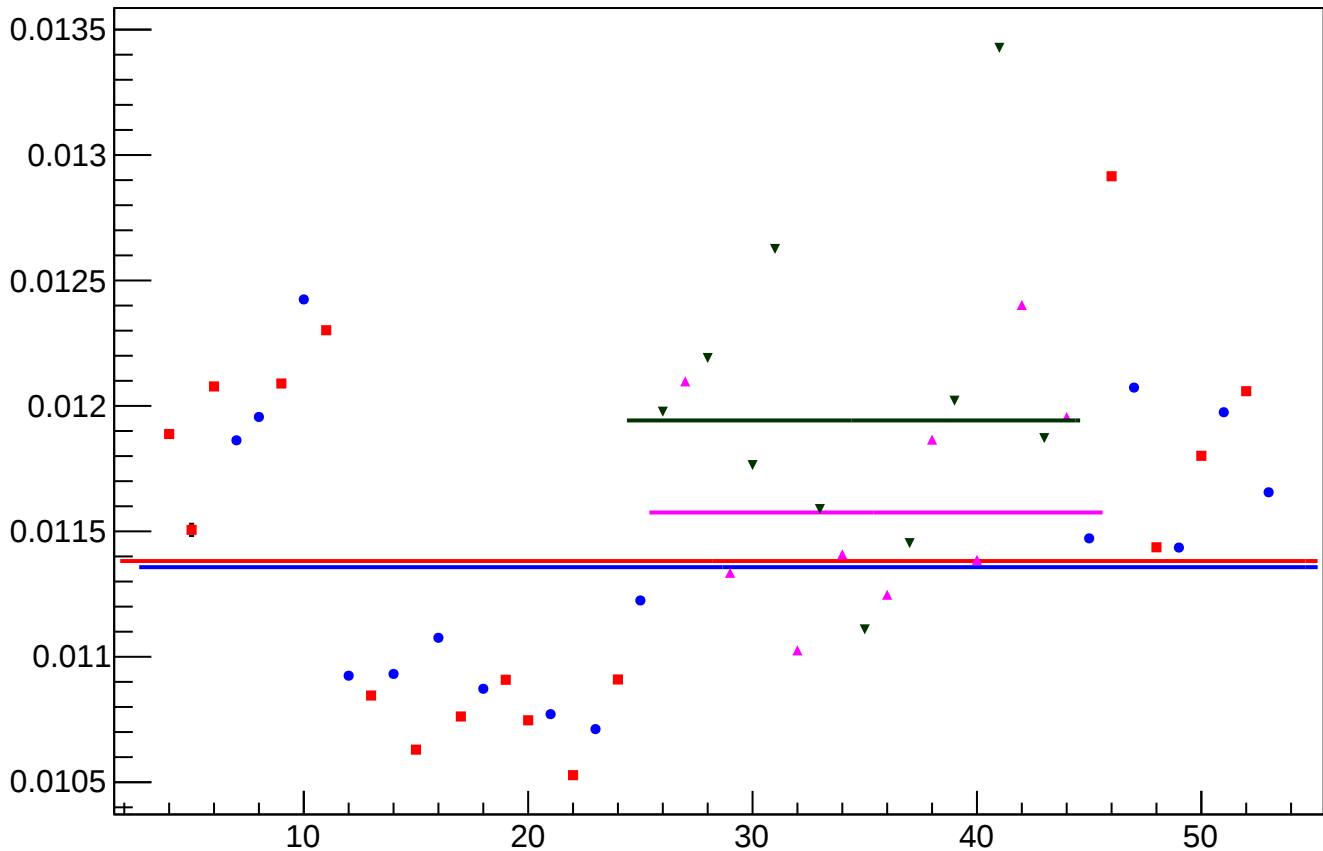
Right Out: -1.529 ± 0.000 χ^2/NDF : 17828590007.4/15

Left In: -1.667 ± 0.000 χ^2/NDF : 344212253.5/8

-1.547 ± 0.000 χ^2/NDF : 24477994370.2/24

-1.583 ± 0.000 χ^2/NDF : 18651498843.4/24

yield_bpm0l04X_rms vs slug



Right In: 0.011+/-0.000 χ^2/NDF : 40784.0/14

Left Out: 0.012+/-0.000 χ^2/NDF : 25348.0/9

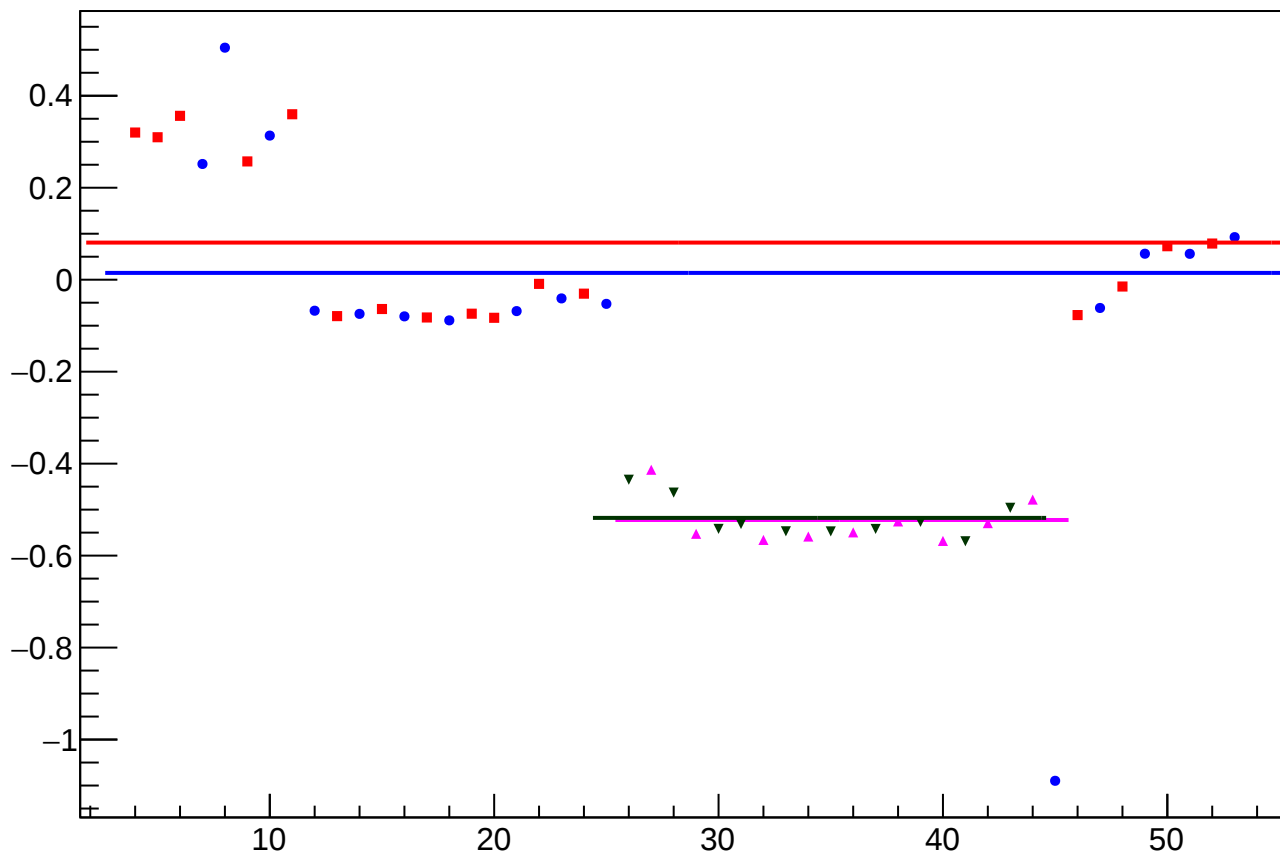
Right Out: 0.011+/-0.000 χ^2/NDF : 62284.7/15

Left In: 0.012+/-0.000 χ^2/NDF : 15888.6/8

0.012+/-0.000 χ^2/NDF : 82733.5/24

0.011+/-0.000 χ^2/NDF : 80059.5/24

yield_bpm0l04Y_mean vs slug



Right In: 0.015+/-0.000 χ^2/NDF : 18129506012.4/14

Left Out: -0.518+/-0.000 χ^2/NDF : 131878439.0/9

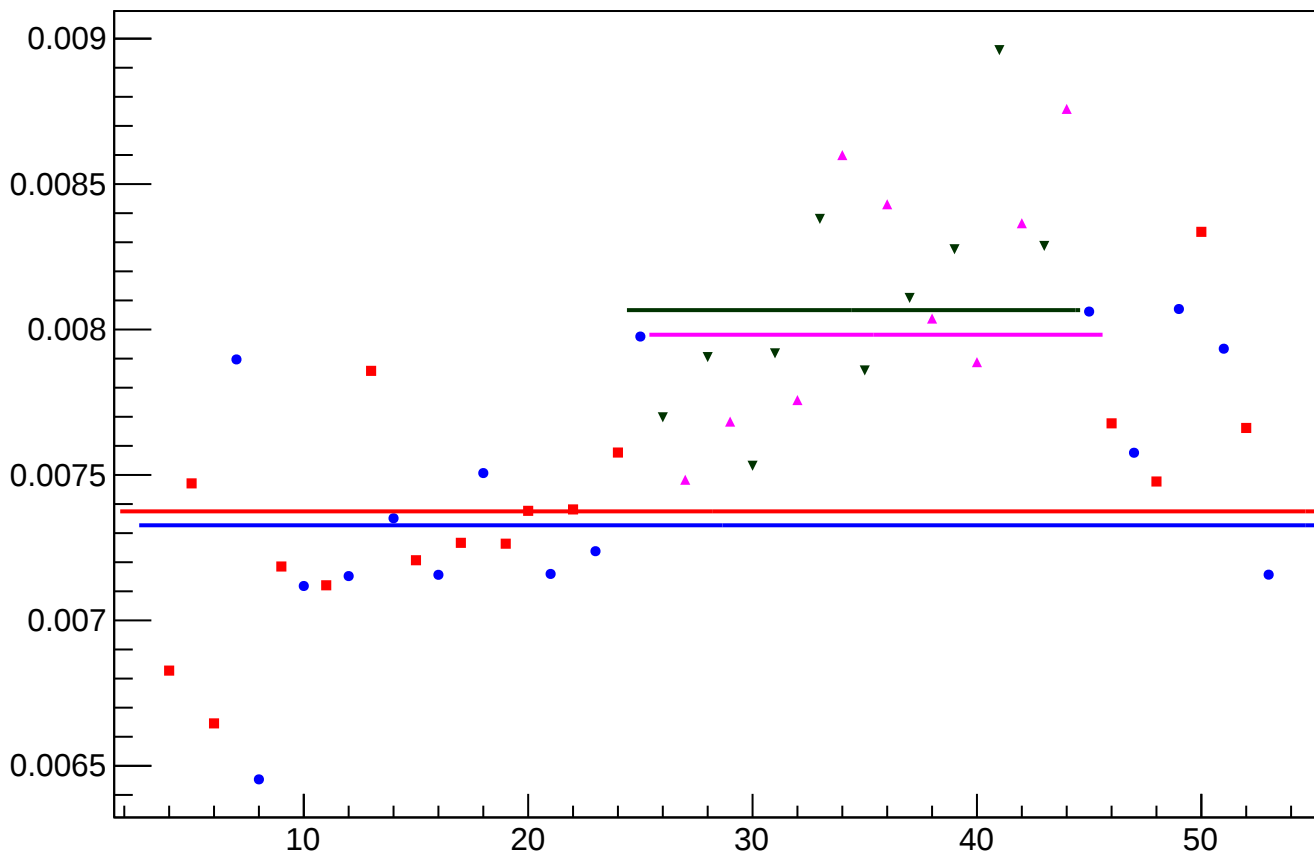
Right Out: 0.081+/-0.000 χ^2/NDF : 4558062490.0/15

Left In: -0.523+/-0.000 χ^2/NDF : 258155612.5/8

-0.154+/-0.000 χ^2/NDF : 33546199401.3/24

-0.141+/-0.000 χ^2/NDF : 24684473068.7/24

yield_bpm0l04Y_rms vs slug



Right In: 0.007 ± 0.000 χ^2/NDF : 73124.0/14

Left Out: 0.008 ± 0.000 χ^2/NDF : 23022.1/9

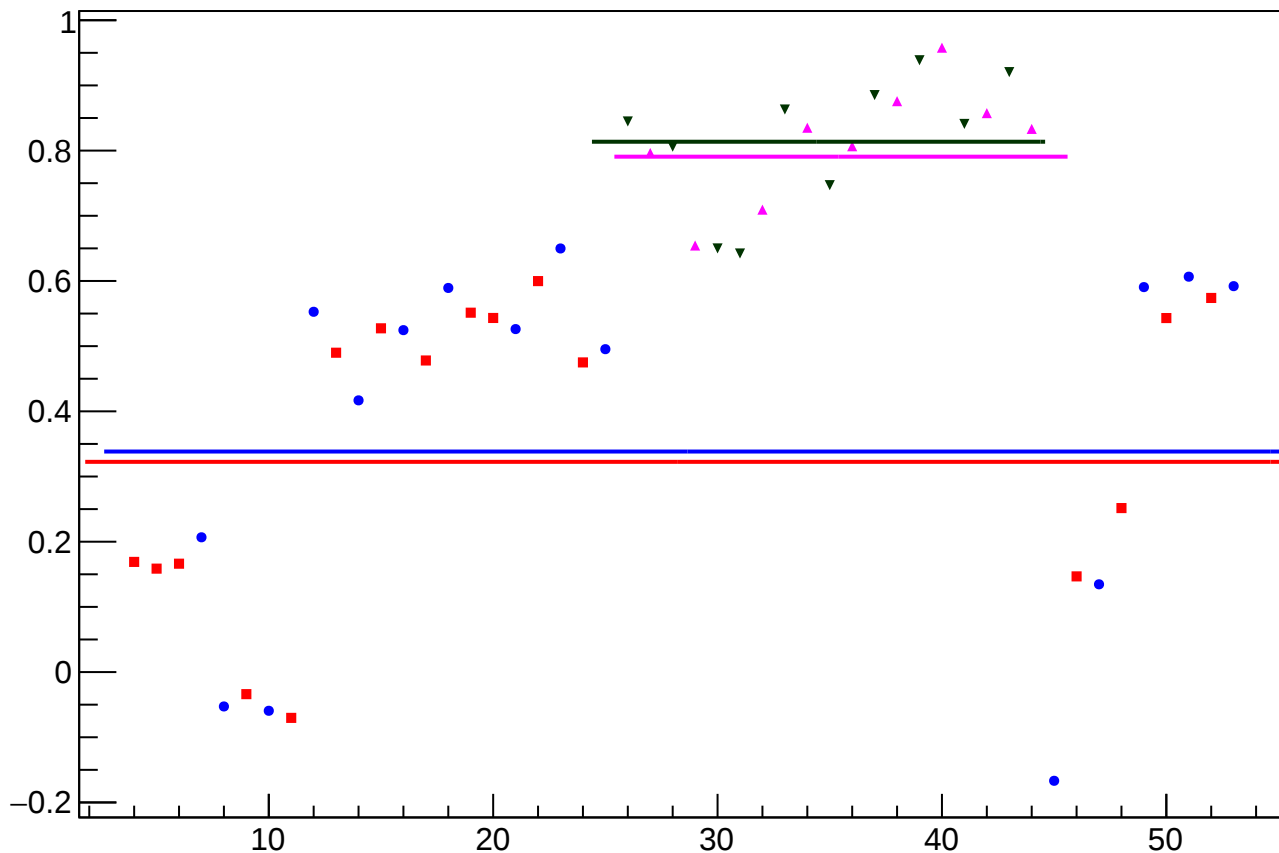
Right Out: 0.007 ± 0.000 χ^2/NDF : 45285.1/15

Left In: 0.008 ± 0.000 χ^2/NDF : 29355.6/8

0.008 ± 0.000 χ^2/NDF : 155078.0/24

0.008 ± 0.000 χ^2/NDF : 114907.1/24

yield_bpm0l05X_mean vs slug



Right In: 0.338 $\pm$ 0.000 χ^2 /NDF: 15491914697.0/14

Left Out: 0.814 $\pm$ 0.000 χ^2 /NDF:993349923.9/9

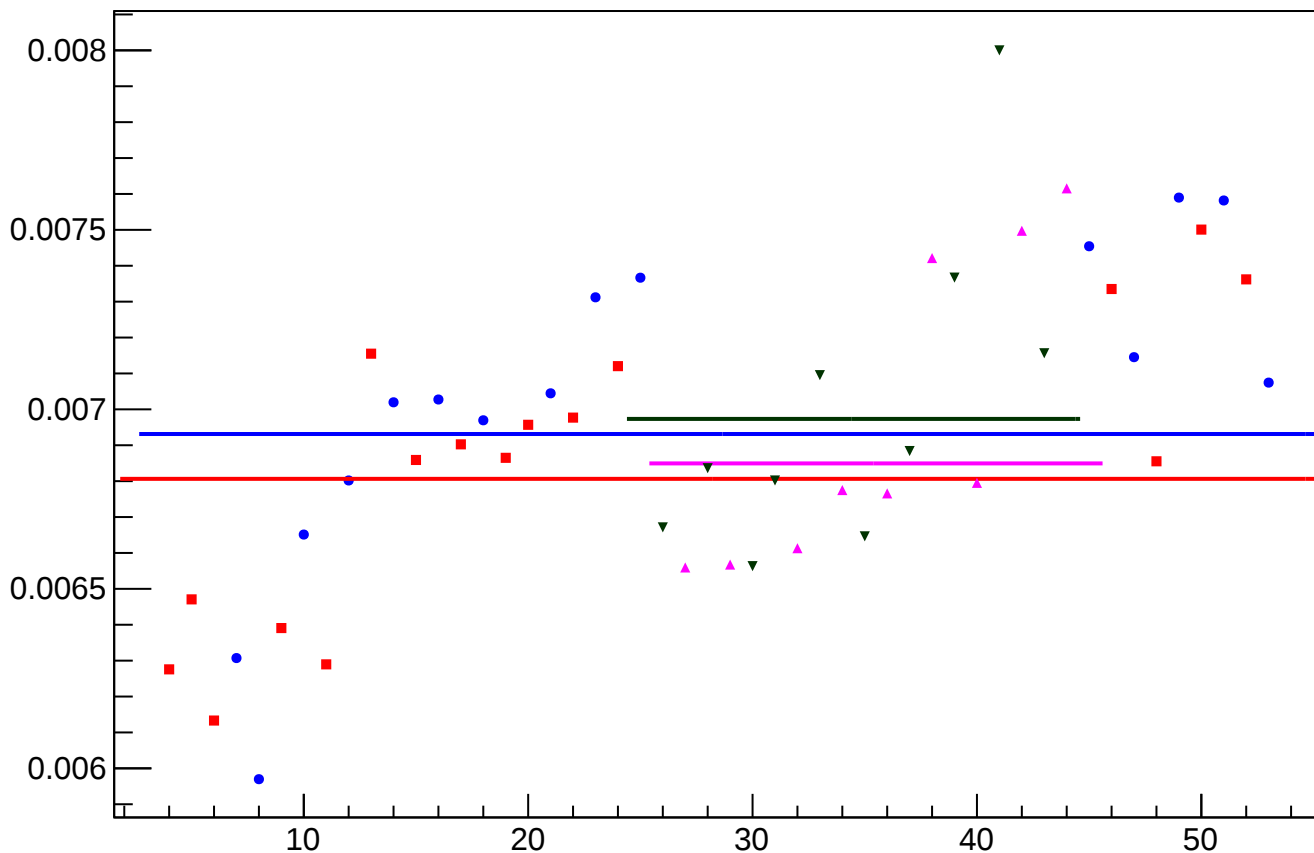
Right Out: 0.323 $\pm$ 0.000 χ^2 /NDF: 10023175573.5/15

Left In: 0.791 $\pm$ 0.000 χ^2 /NDF:932399689.3/8

0.509 $\pm$ 0.000 χ^2 /NDF: 31997803494.9/24

0.510 $\pm$ 0.000 χ^2 /NDF: 26473182433.8/24

yield_bpm0l05X_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 85782.6/14

Left Out: 0.007+/-0.000 χ^2/NDF : 32912.7/9

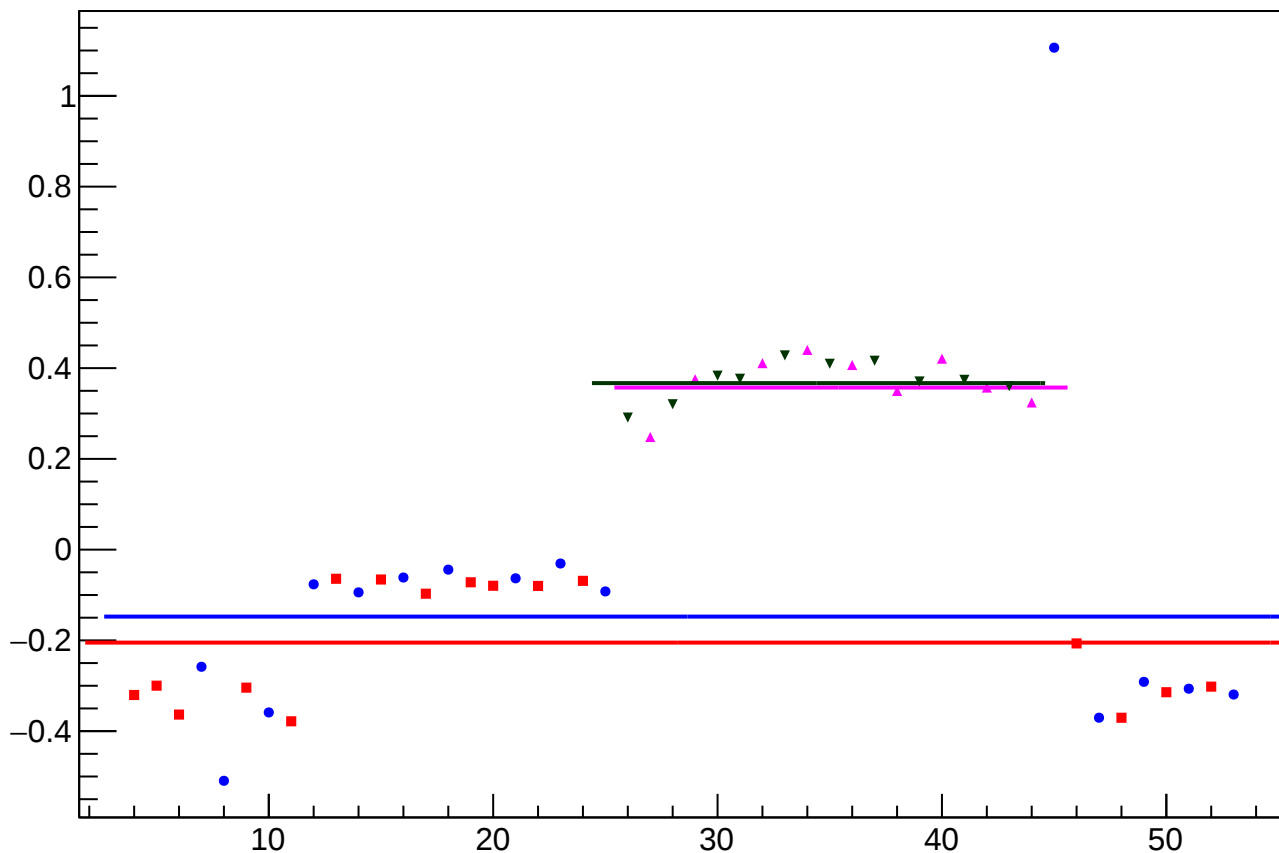
Right Out: 0.007+/-0.000 χ^2/NDF : 62366.9/15

Left In: 0.007+/-0.000 χ^2/NDF : 33164.0/8

0.007+/-0.000 χ^2/NDF : 118938.3/24

0.007+/-0.000 χ^2/NDF : 95792.9/24

yield_bpm0l05Y_mean vs slug



Right In: -0.148+/-0.000 χ^2/NDF : 36069386818.3/14

Left Out: 0.367+/-0.000 χ^2/NDF :258003359.9/9

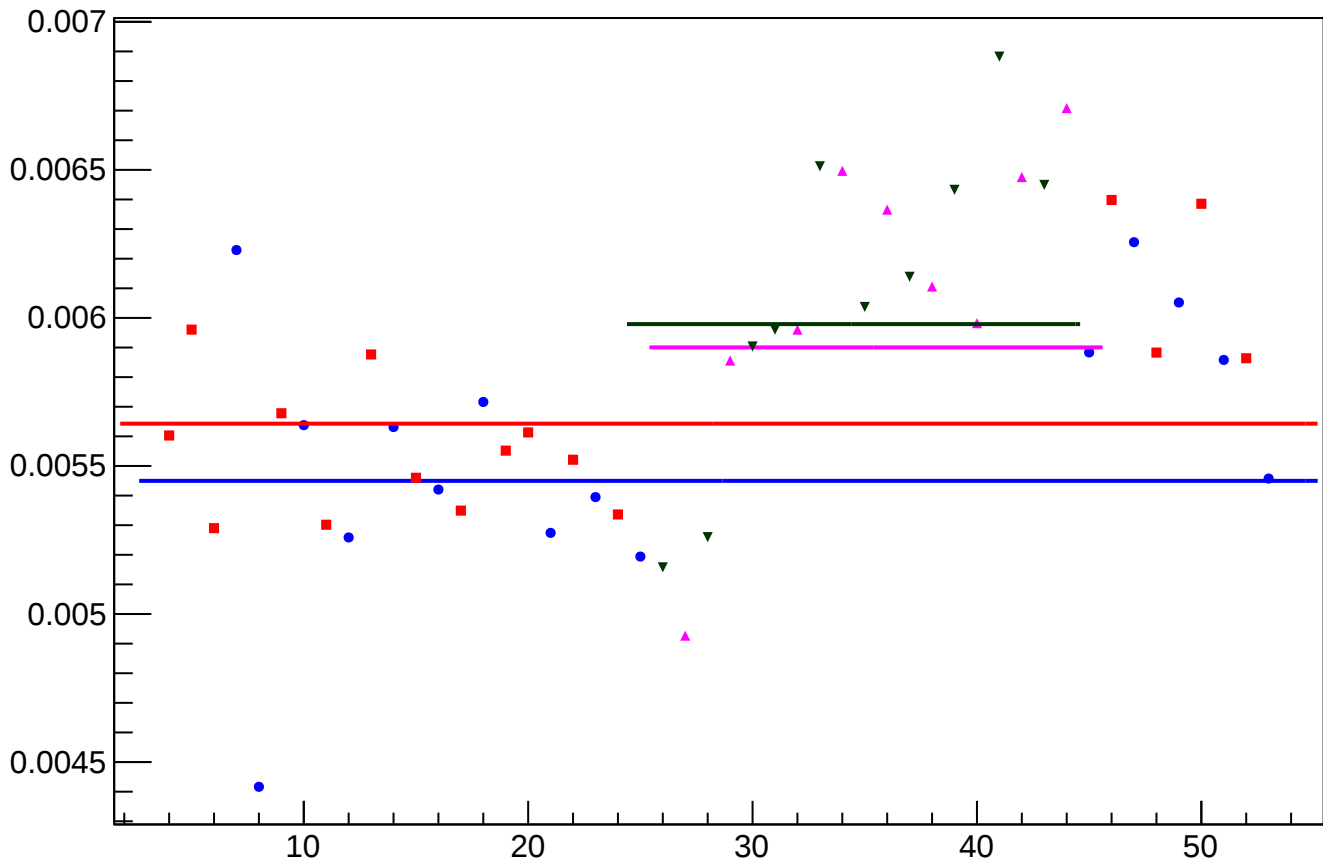
Right Out: -0.205+/-0.000 χ^2/NDF : 4298340312.5/15

Left In: 0.357+/-0.000 χ^2/NDF :650314960.7/8

0.016+/-0.000 χ^2/NDF : 61835157638.5/24

0.010+/-0.000 χ^2/NDF : 35331326144.7/24

yield_bpm0l05Y_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 157267.8/14

Left Out: 0.006+/-0.000 χ^2/NDF : 84407.0/9

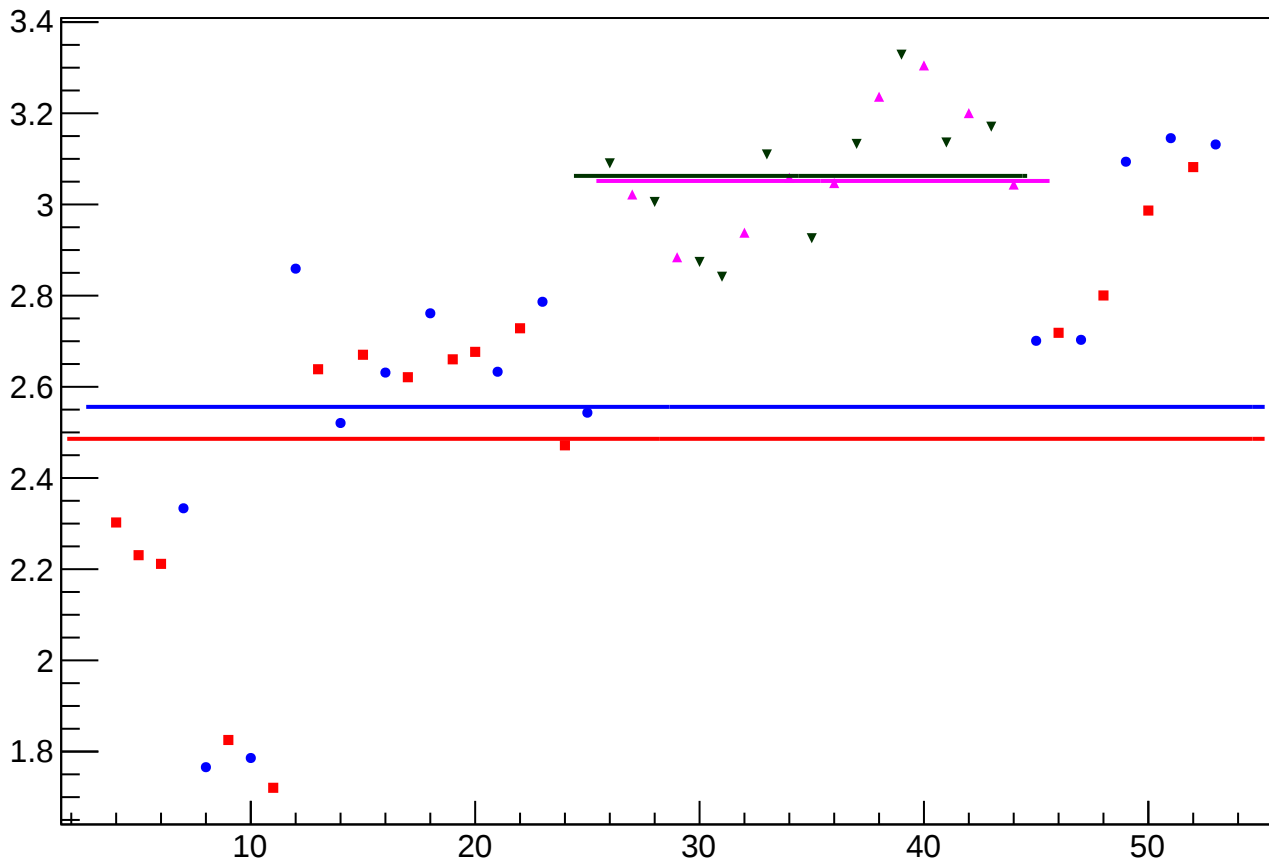
0.006+/-0.000 χ^2/NDF : 295673.5/24

Right Out: 0.006+/-0.000 χ^2/NDF : 52499.0/15

0.006+/-0.000 χ^2/NDF : 166359.0/24

Left In: 0.006+/-0.000 χ^2/NDF : 101099.8/8

yield_bpm0l06X_mean vs slug



Right In: 2.556 ± 0.000 $\chi^2/\text{NDF}: 12832734725.3/14$

Left Out: 3.063 ± 0.000 $\chi^2/\text{NDF}: 1107067165.5/9$

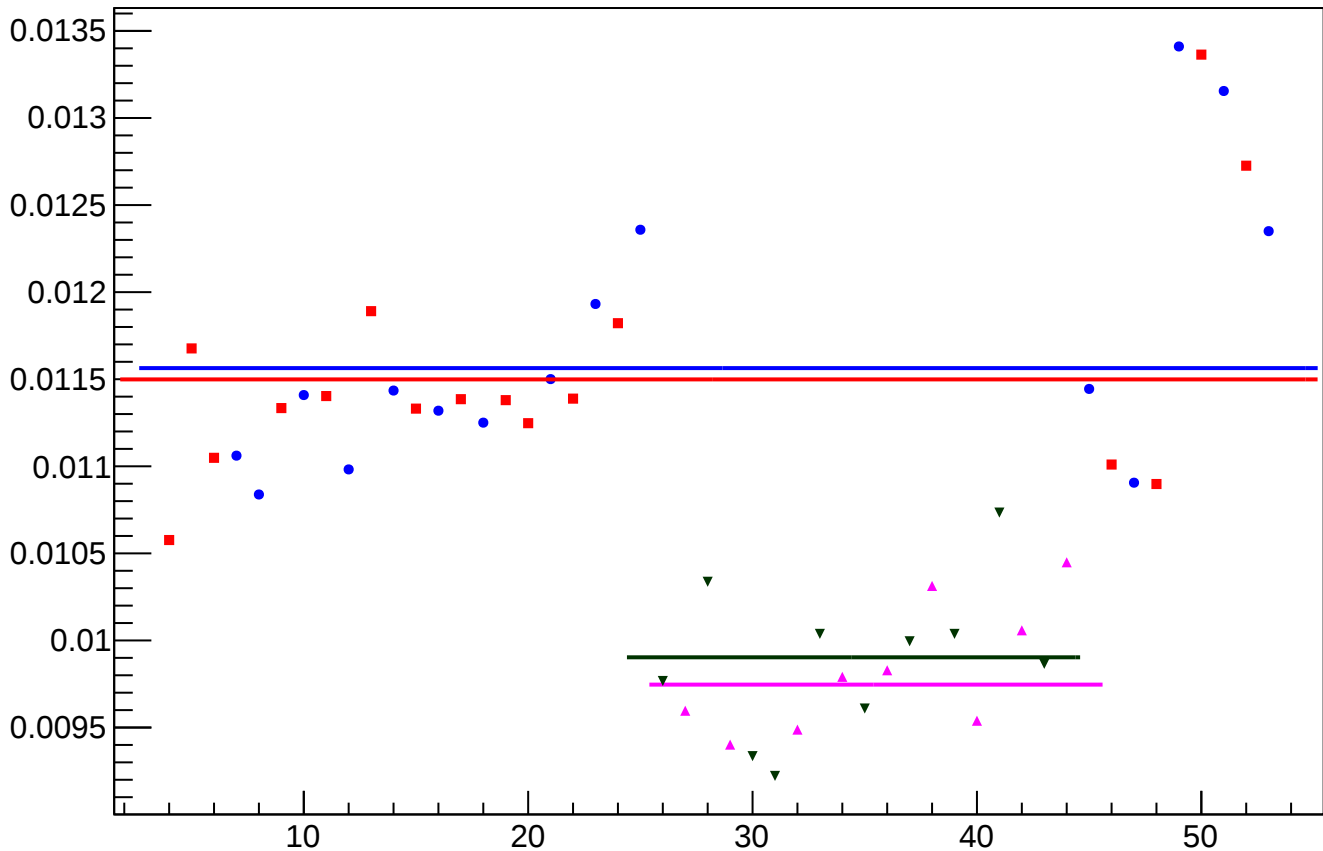
2.778 ± 0.000 $\chi^2/\text{NDF}: 21658139962.1/24$

Right Out: 2.486 ± 0.000 $\chi^2/\text{NDF}: 9269815402.4/15$

2.761 ± 0.000 $\chi^2/\text{NDF}: 19889037862.2/24$

Left In: 3.052 ± 0.000 $\chi^2/\text{NDF}: 1015989993.5/8$

yield_bpm0l06X_rms vs slug



Right In: 0.012+/-0.000 χ^2/NDF : 70557.8/14

Left Out: 0.010+/-0.000 χ^2/NDF :18813.8/9

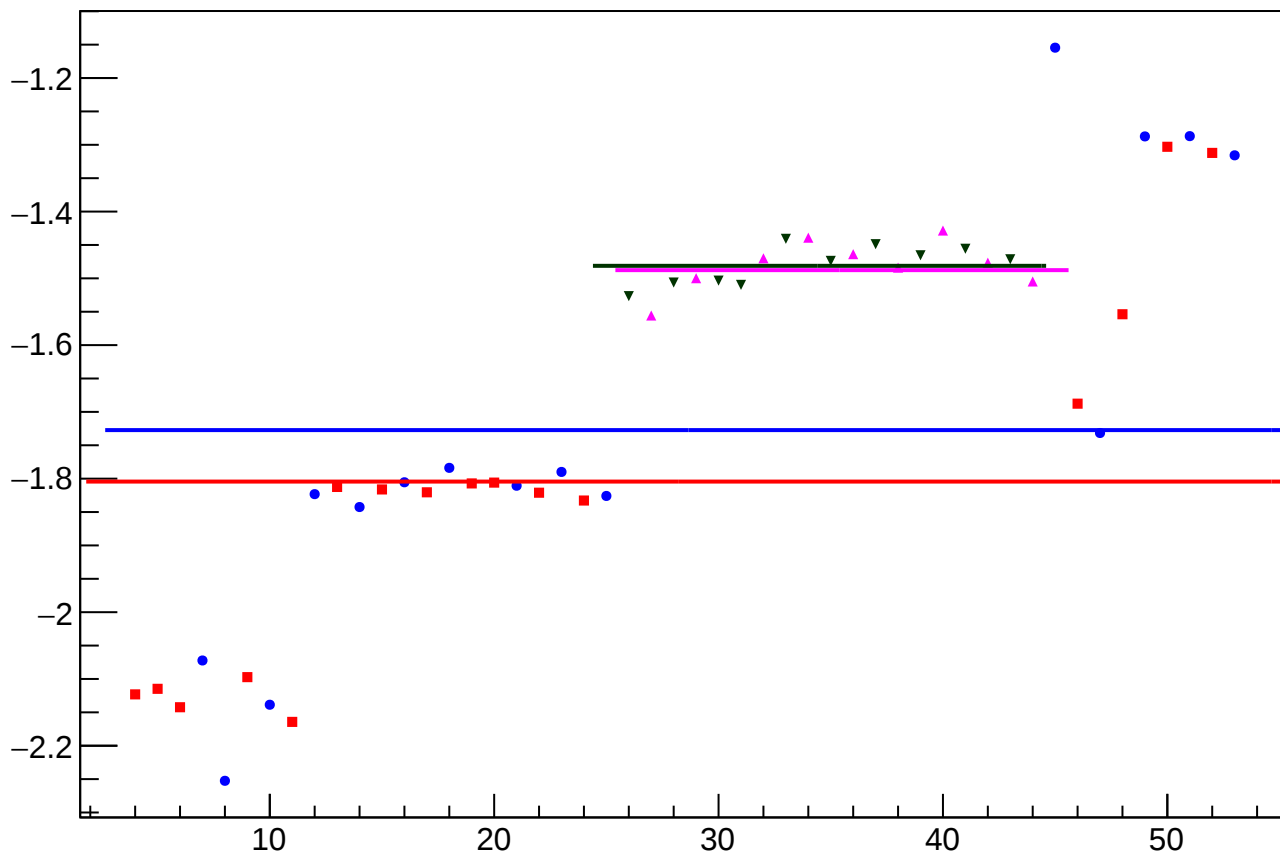
0.011+/-0.000 χ^2/NDF : 255229.7/24

Right Out: 0.011+/-0.000 χ^2/NDF : 46568.5/15

0.011+/-0.000 χ^2/NDF : 244158.4/24

Left In: 0.010+/-0.000 χ^2/NDF :13193.9/8

yield_bpm0l06Y_mean vs slug



Right In: -1.727 ± 0.000 $\chi^2/\text{NDF}: 48262354025.7/14$

Left Out: -1.804 ± 0.000 $\chi^2/\text{NDF}: 133314200.9/9$

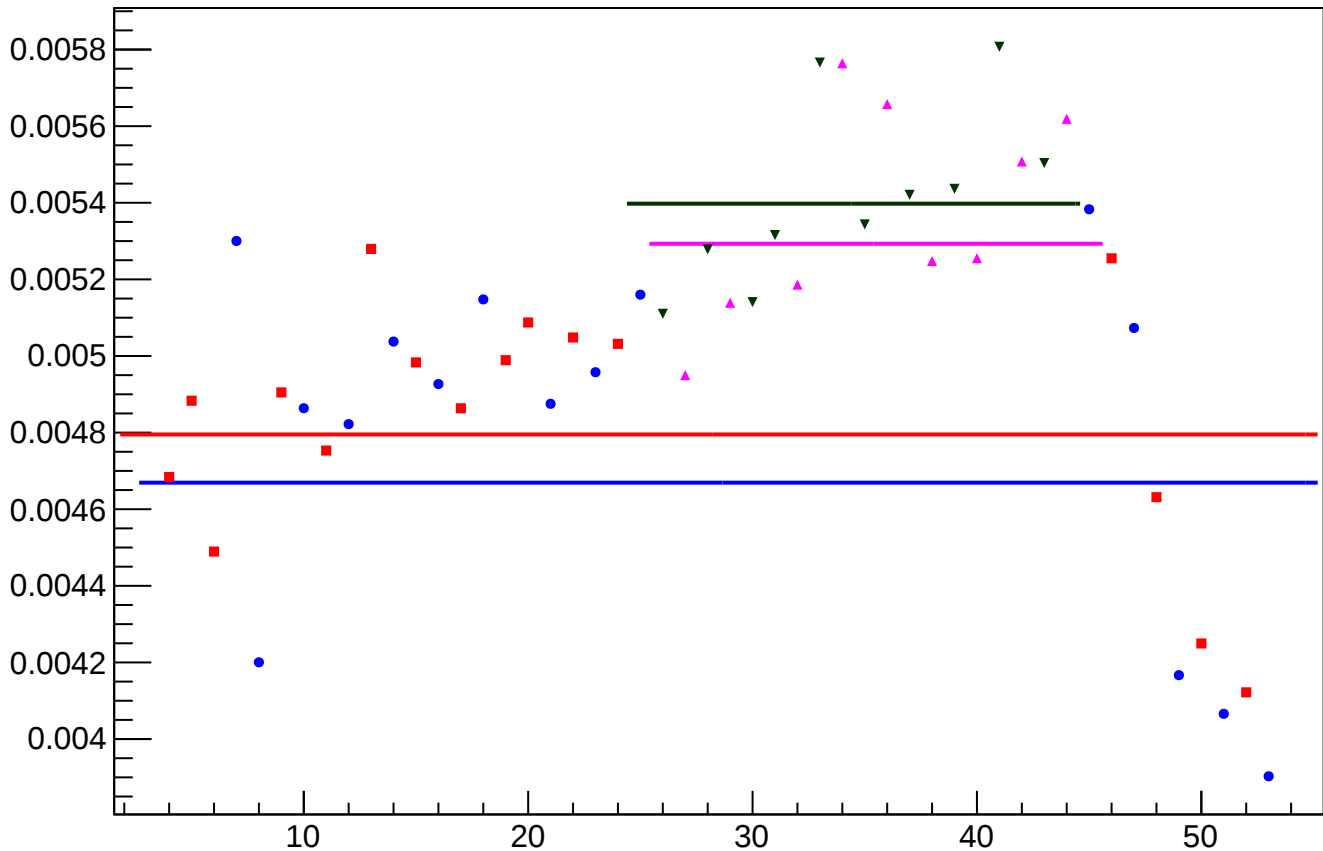
Right Out: -1.804 ± 0.000 $\chi^2/\text{NDF}: 27738310141.6/15$

Left In: -1.488 ± 0.000 $\chi^2/\text{NDF}: 281282296.5/8$

-1.654 ± 0.000 $\chi^2/\text{NDF}: 55887885692.9/24$

-1.691 ± 0.000 $\chi^2/\text{NDF}: 40653590736.8/24$

yield_bpm0l06Y_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 177981.8/14

Left Out: 0.005+/-0.000 χ^2/NDF :16600.8/9

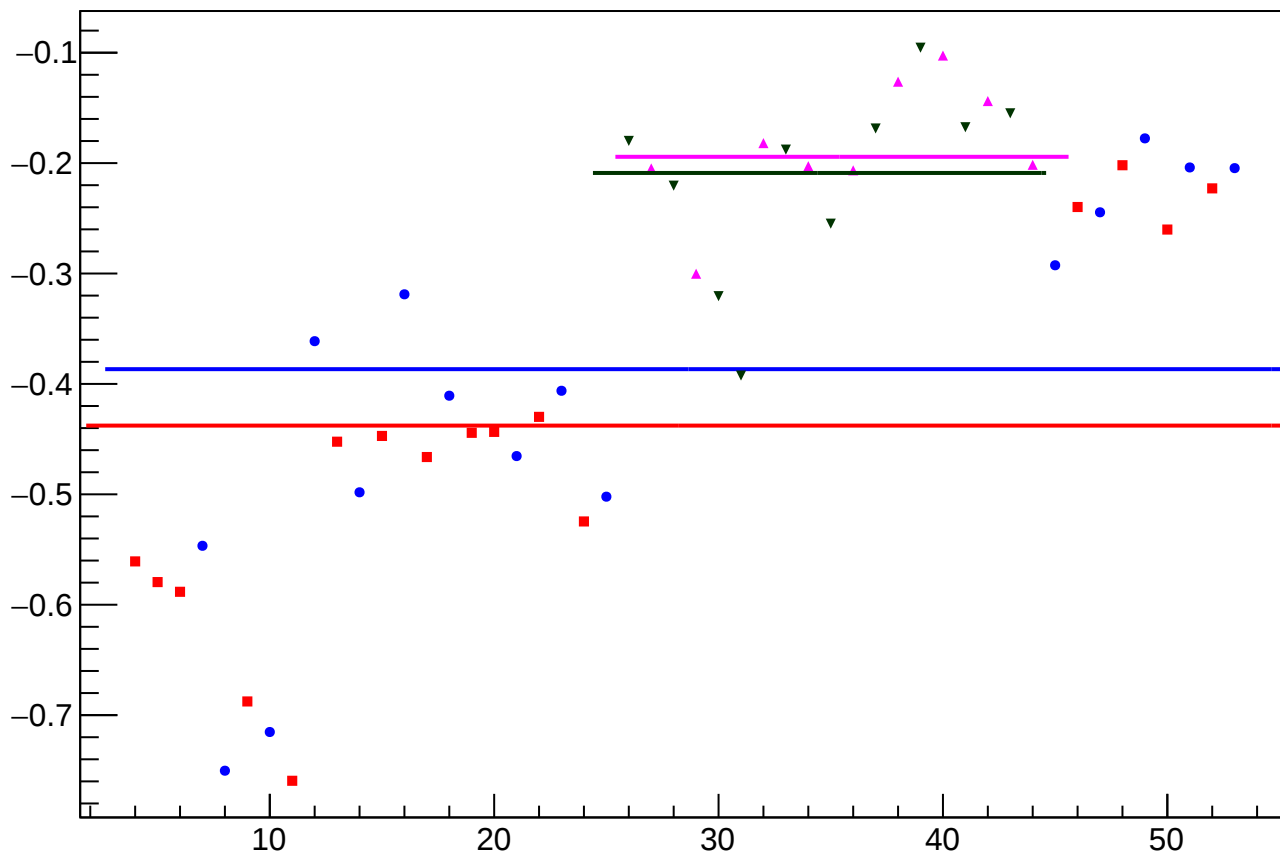
Right Out: 0.005+/-0.000 χ^2/NDF : 85004.2/15

Left In: 0.005+/-0.000 χ^2/NDF :25779.4/8

0.005+/-0.000 χ^2/NDF : 325896.3/24

0.005+/-0.000 χ^2/NDF : 173239.1/24

yield_bpm0l07X_mean vs slug



Right In: -0.387+/-0.000 χ^2/NDF : 1375079633.0/14

Left Out: -0.209+/-0.000 χ^2/NDF : 145606796.2/9

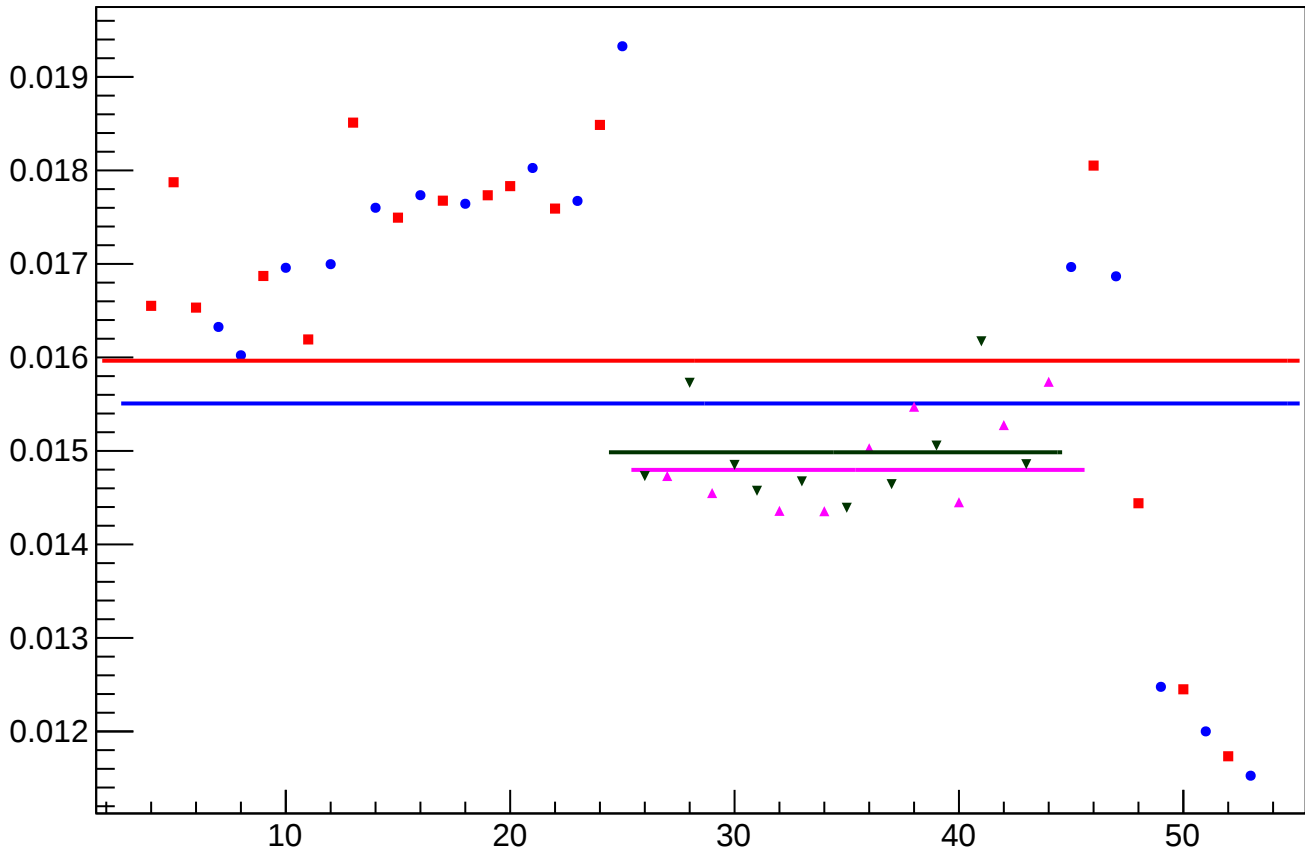
Right Out: -0.438+/-0.000 χ^2/NDF : 974568220.7/15

Left In: -0.194+/-0.000 χ^2/NDF : 81659796.5/8

-0.318+/-0.000 χ^2/NDF : 1978747868.6/24

-0.328+/-0.000 χ^2/NDF : 1889269234.7/24

yield_bpm0l07X_rms vs slug



Right In: 0.016+/-0.000 χ^2/NDF : 465861.1/14

Left Out: 0.015+/-0.000 χ^2/NDF :13214.2/9

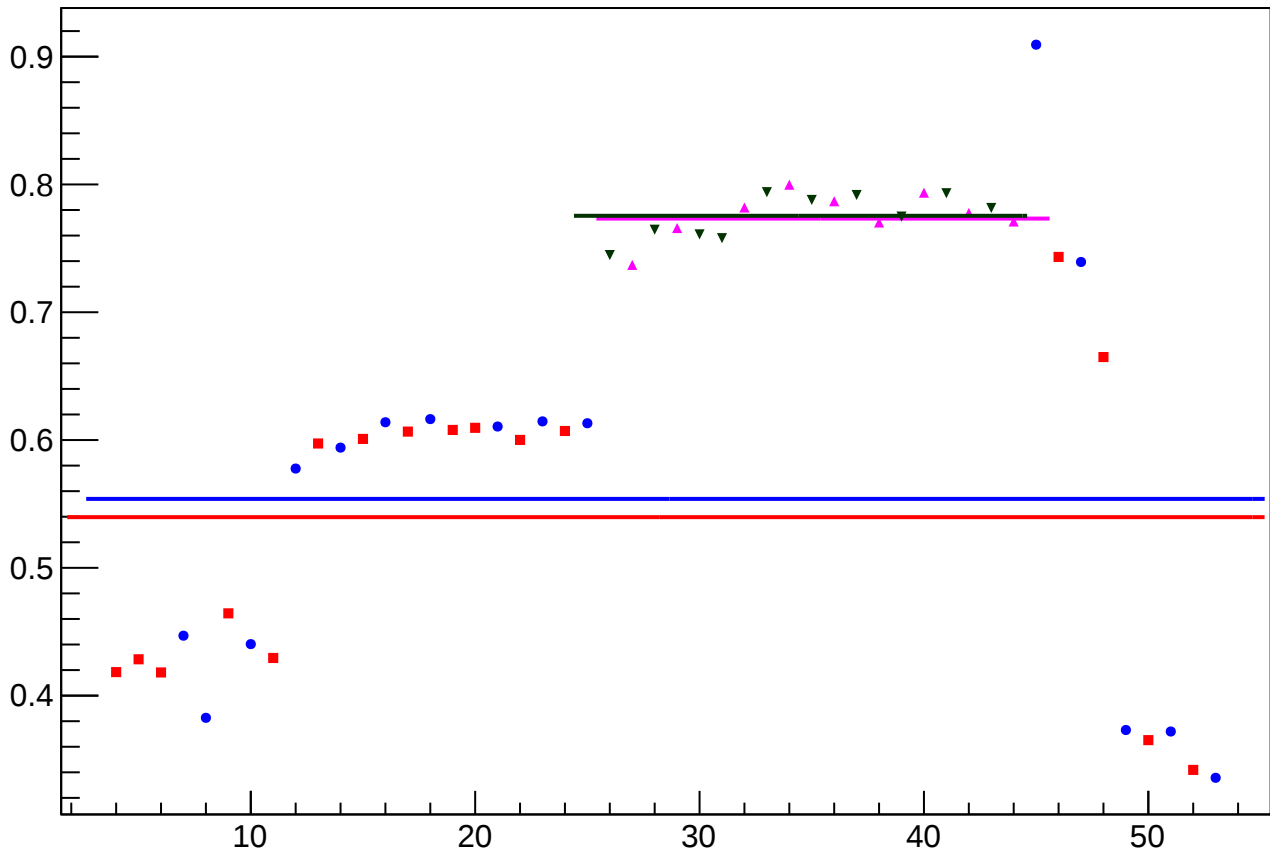
Right Out: 0.016+/-0.000 χ^2/NDF : 349186.7/15

Left In: 0.015+/-0.000 χ^2/NDF :10554.2/8

0.015+/-0.000 χ^2/NDF : 486980.6/24

0.015+/-0.000 χ^2/NDF : 398063.6/24

yield_bpm0l07Y_mean vs slug



Right In: 0.554 ± 0.000 χ^2/NDF : 18035775255.1/14

Left Out: 0.775 ± 0.000 χ^2/NDF : 122038329.5/9

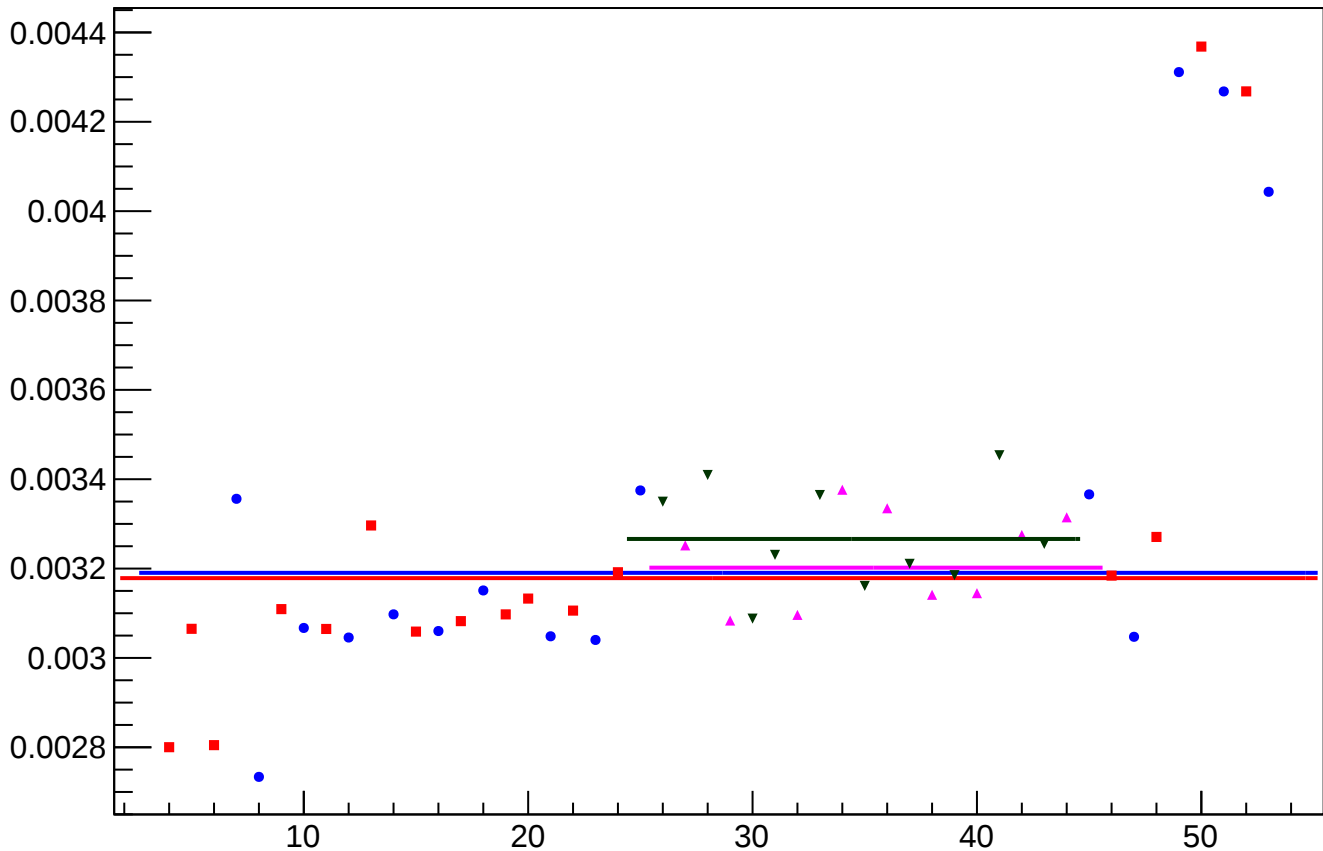
0.632 ± 0.000 χ^2/NDF : 33544391395.3/24

Right Out: 0.540 ± 0.000 χ^2/NDF : 9221509332.6/15

0.634 ± 0.000 χ^2/NDF : 26948588496.7/24

Left In: 0.773 ± 0.000 χ^2/NDF : 173800769.3/8

yield_bpm0l07Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 287986.3/14

Left Out: 0.003+/-0.000 χ^2/NDF :12873.3/9

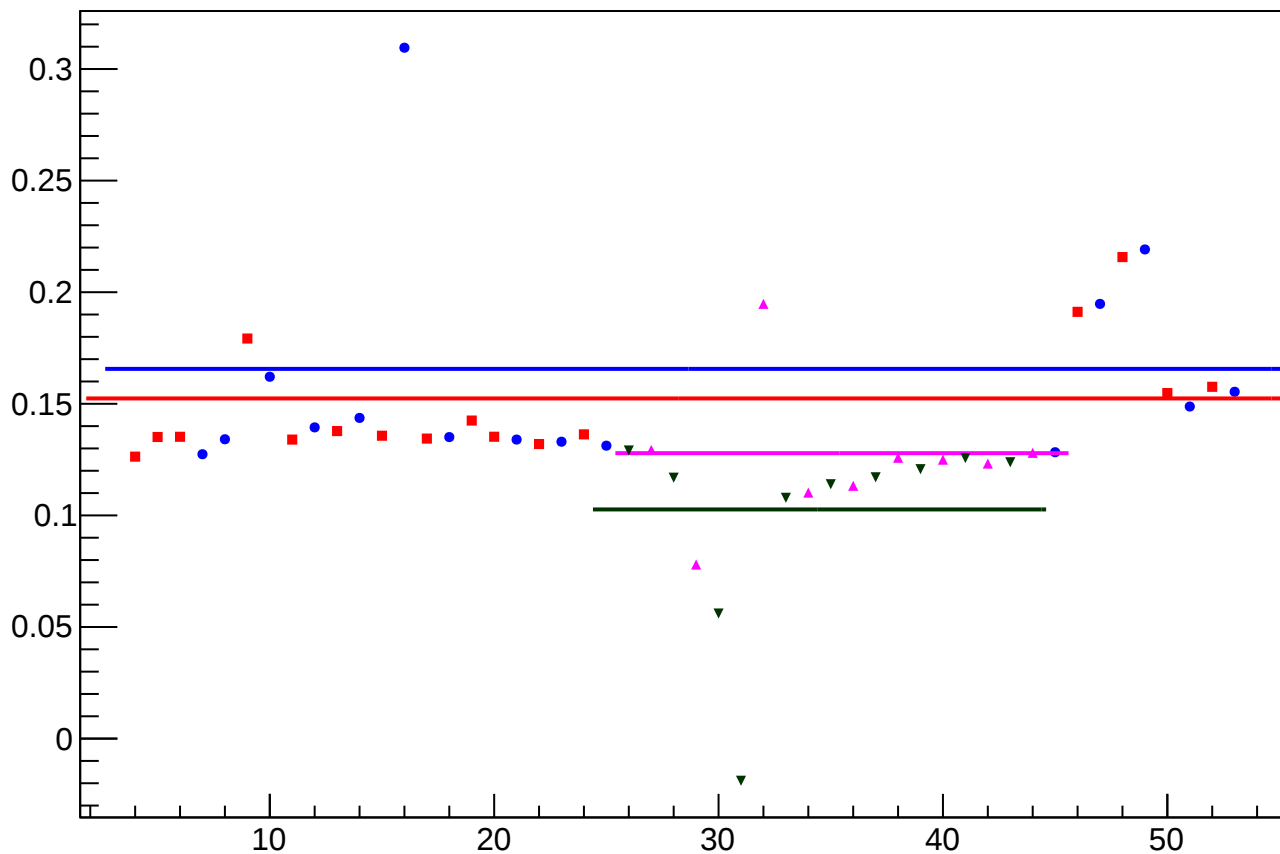
Right Out: 0.003+/-0.000 χ^2/NDF : 186319.7/15

Left In: 0.003+/-0.000 χ^2/NDF :11463.7/8

0.003+/-0.000 χ^2/NDF : 304465.9/24

0.003+/-0.000 χ^2/NDF : 198136.6/24

yield_bpm0l08X_mean vs slug



Right In: 0.166+/-0.000 χ^2/NDF : 91738771.4/14

Left Out: 0.103+/-0.000 χ^2/NDF : 42575286.2/9

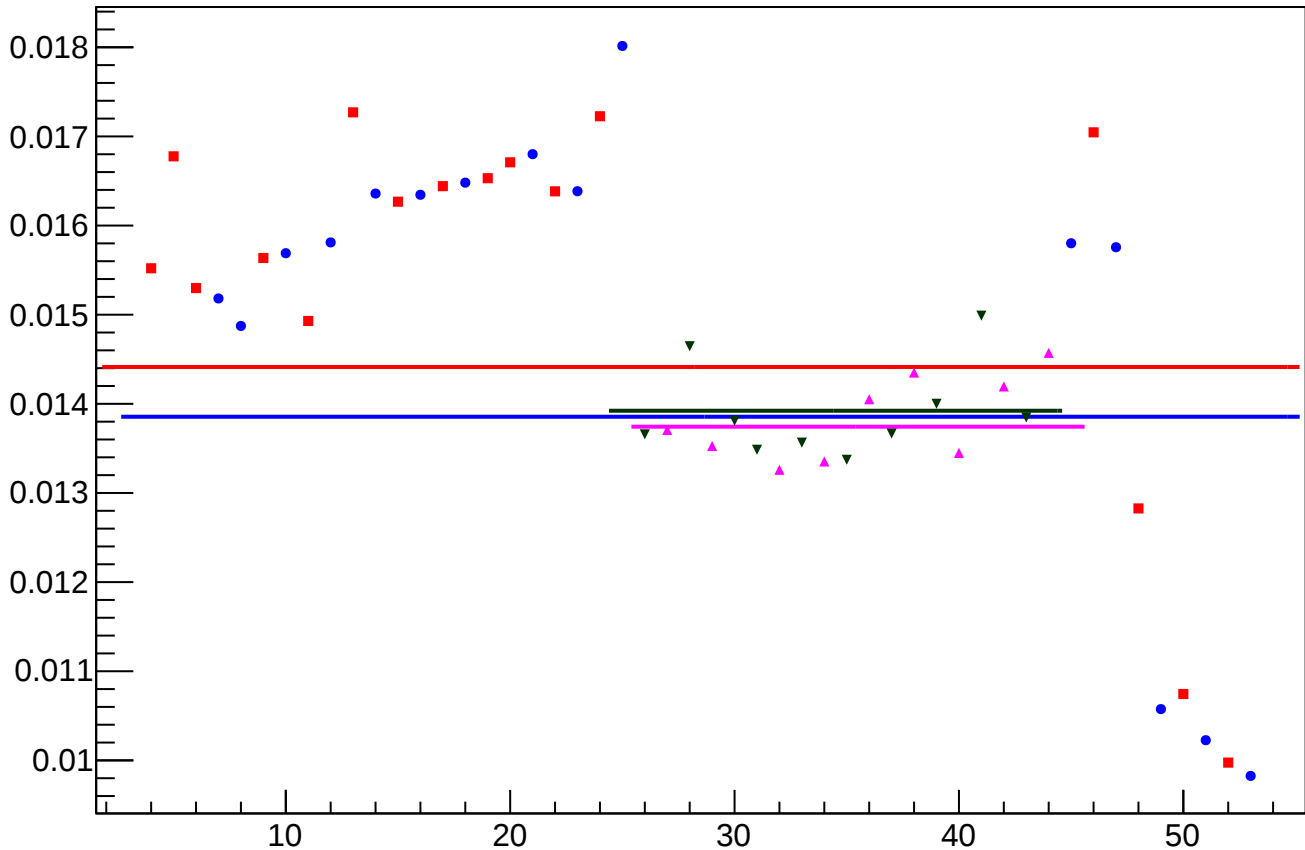
Right Out: 0.152+/-0.000 χ^2/NDF : 22095425.8/15

Left In: 0.128+/-0.000 χ^2/NDF : 35319224.9/8

0.142+/-0.000 χ^2/NDF : 202546149.8/24

0.142+/-0.000 χ^2/NDF : 67381171.1/24

yield_bpm0l08X_rms vs slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 734988.1/14

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 13410.6/9

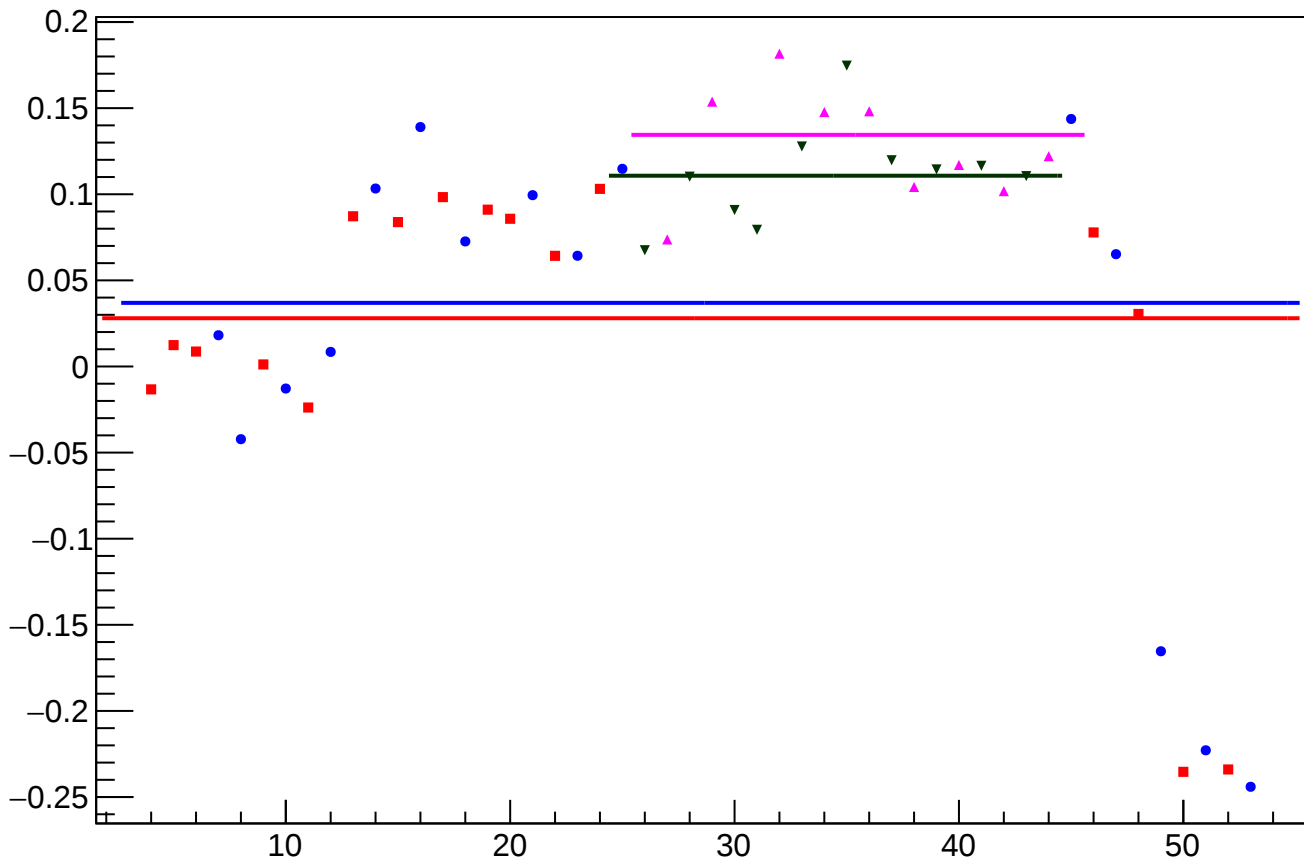
Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 536760.8/15

Left In: 0.014 $\pm$ 0.000 χ^2 /NDF: 10776.7/8

0.014 $\pm$ 0.000 χ^2 /NDF: 748554.3/24

0.014 $\pm$ 0.000 χ^2 /NDF: 562414.7/24

yield_bpm0l08Y_mean vs slug



Right In: 0.037+/-0.000 χ^2/NDF : 7425054605.8/14

Left Out: 0.111+/-0.000 χ^2/NDF : 325634113.5/9

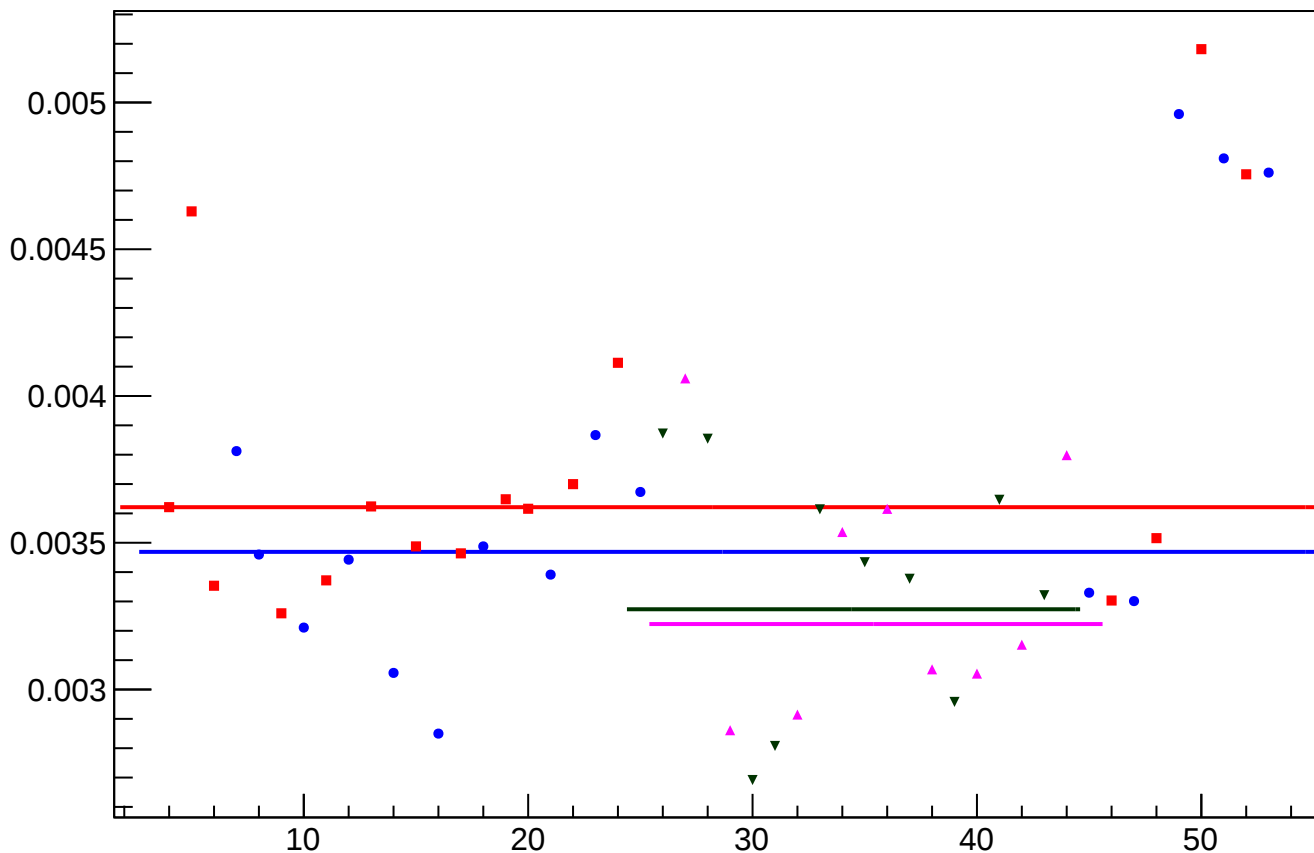
0.066+/-0.000 χ^2/NDF : 9306372365.7/24

Right Out: 0.028+/-0.000 χ^2/NDF : 4287995996.3/15

0.078+/-0.000 χ^2/NDF : 8004755268.8/24

Left In: 0.134+/-0.000 χ^2/NDF : 584141111.2/8

yield_bpm0l08Y_rms vs slug



Right In: 0.003 ± 0.000 χ^2/NDF : 420742.5/14

Left Out: 0.003 ± 0.000 χ^2/NDF : 157067.3/9

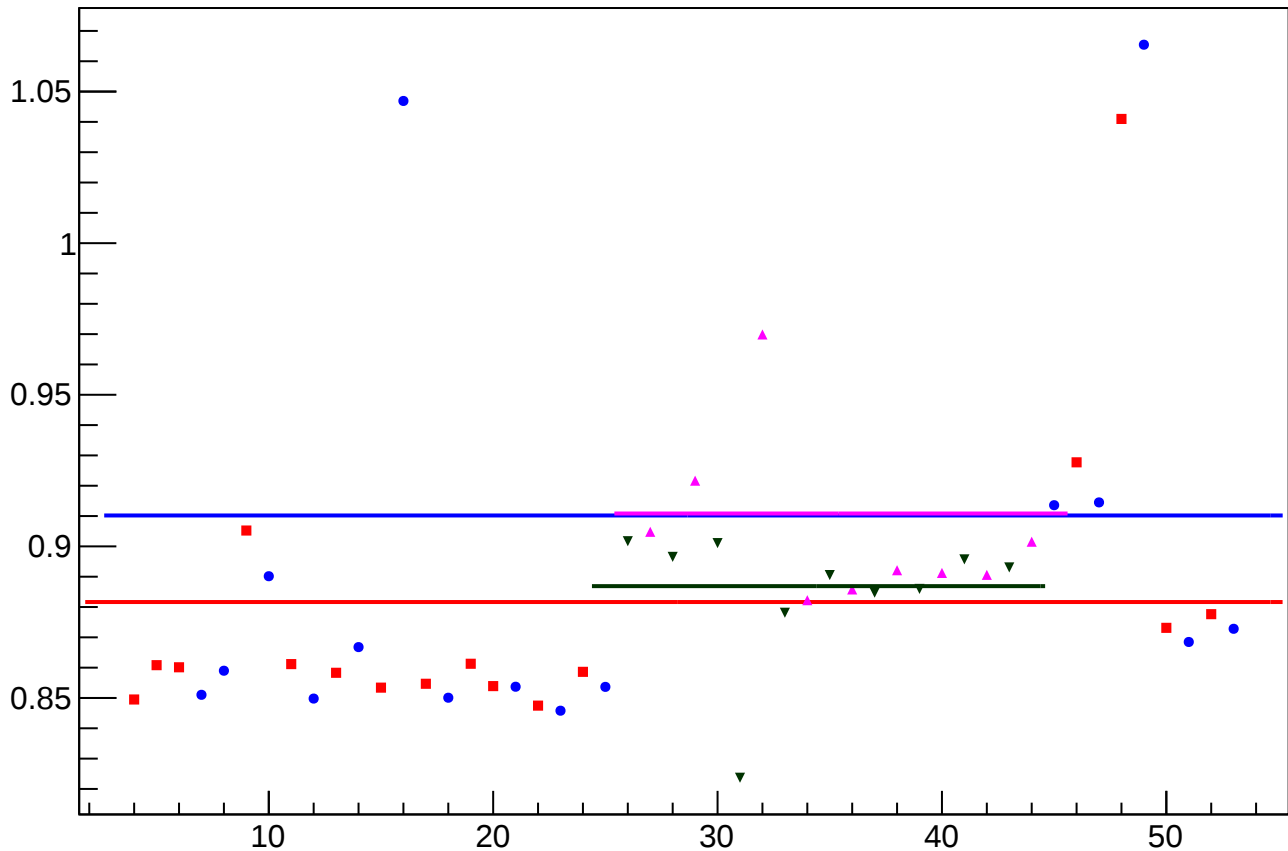
Right Out: 0.004 ± 0.000 χ^2/NDF : 224161.7/15

Left In: 0.003 ± 0.000 χ^2/NDF : 163315.9/8

0.003 ± 0.000 χ^2/NDF : 599642.5/24

0.003 ± 0.000 χ^2/NDF : 475086.2/24

yield_bpm0l09X_mean vs slug



Right In: 0.910+/-0.000 χ^2/NDF : 304680856.3/14

Left Out: 0.887+/-0.000 χ^2/NDF :10371268.3/9

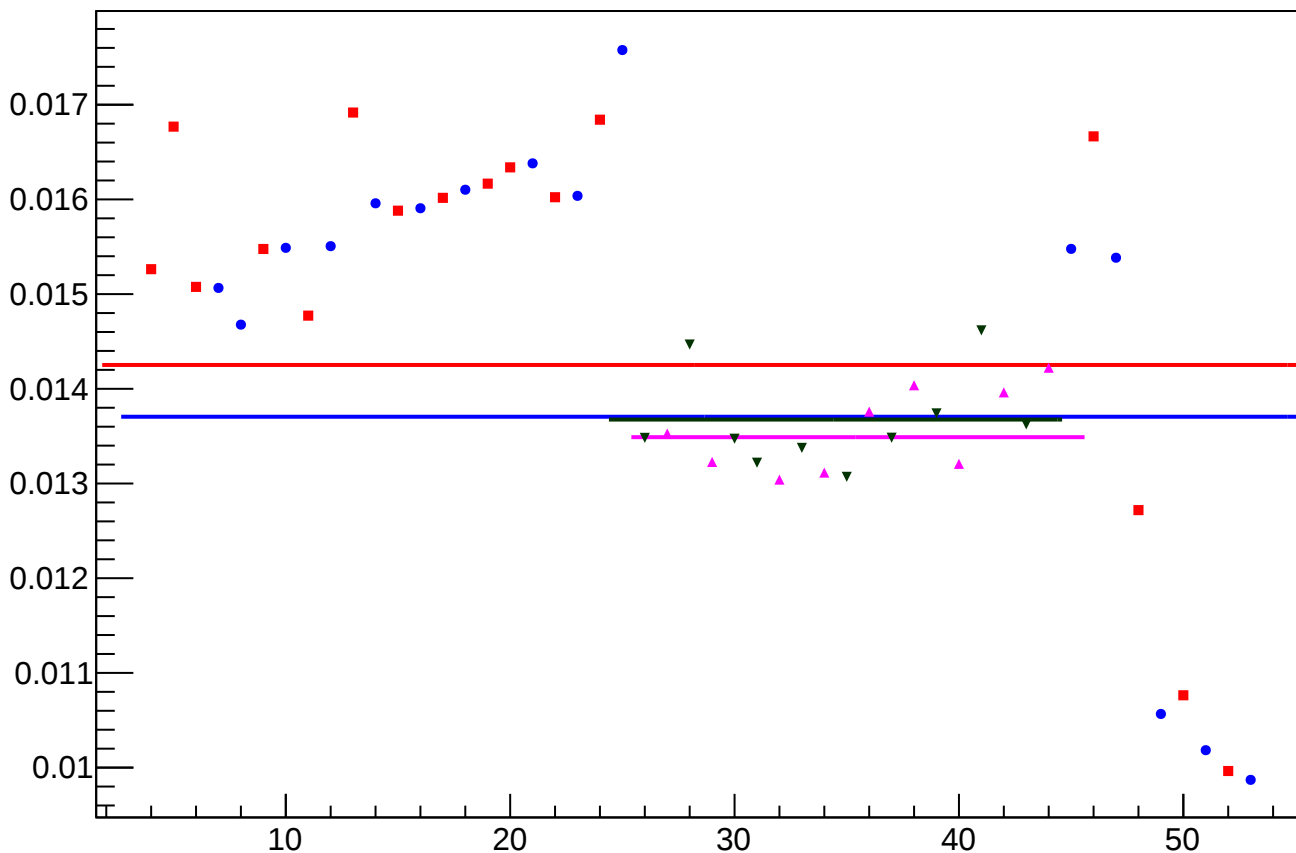
Right Out: 0.882+/-0.000 χ^2/NDF : 90356061.2/15

Left In: 0.911+/-0.000 χ^2/NDF :26013449.3/8

0.901+/-0.000 χ^2/NDF : 324691548.0/24

0.895+/-0.000 χ^2/NDF : 130945892.4/24

yield_bpm0l09X_rms vs slug



Right In: 0.014+/-0.000 χ^2/NDF : 663001.5/14

Left Out: 0.014+/-0.000 χ^2/NDF :13316.5/9

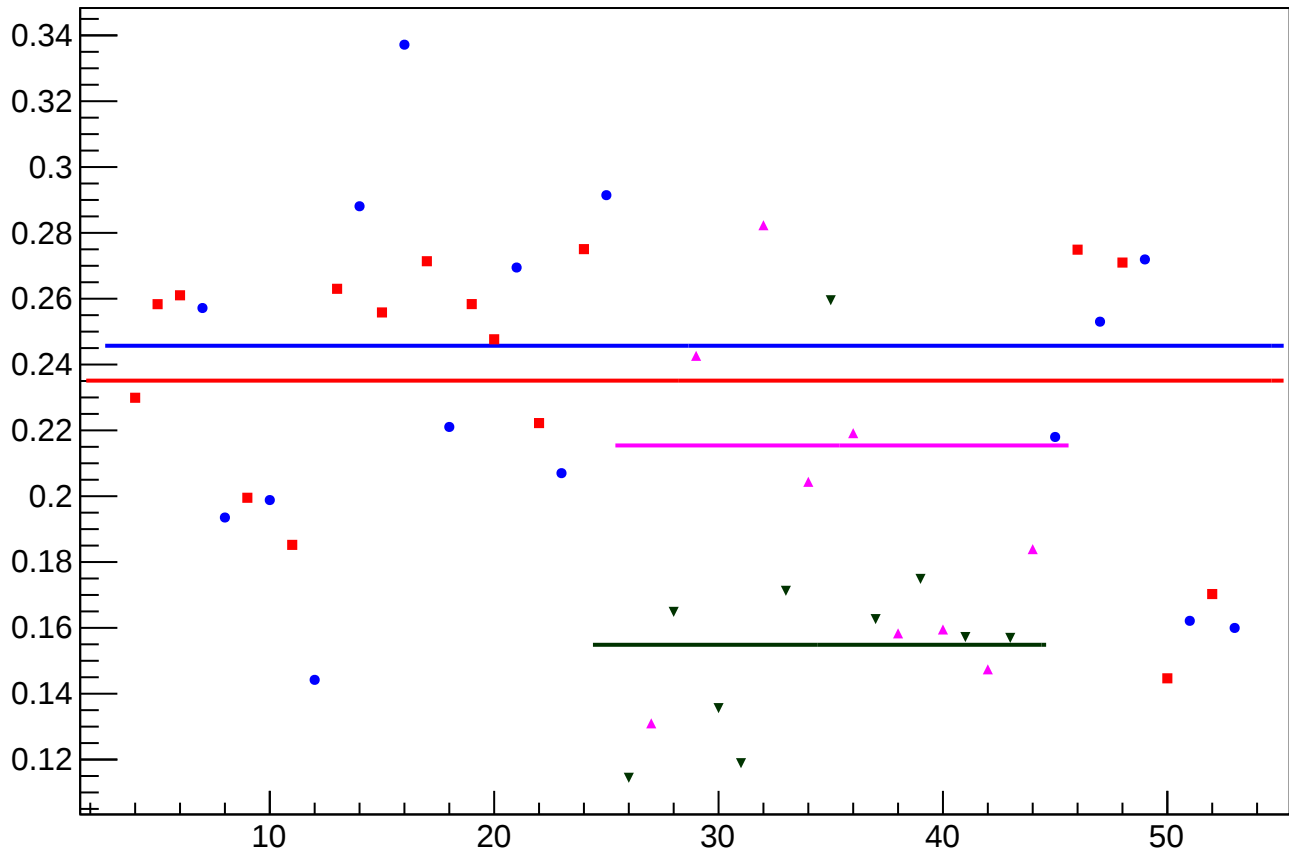
Right Out: 0.014+/-0.000 χ^2/NDF : 486838.6/15

Left In: 0.013+/-0.000 χ^2/NDF :9868.2/8

0.014+/-0.000 χ^2/NDF : 676349.7/24

0.014+/-0.000 χ^2/NDF : 516589.7/24

yield_bpm0l09Y_mean vs slug



Right In: 0.246 ± 0.000 χ^2/NDF : 2000672372.6/14

Left Out: 0.155 ± 0.000 χ^2/NDF : 491584814.3/9

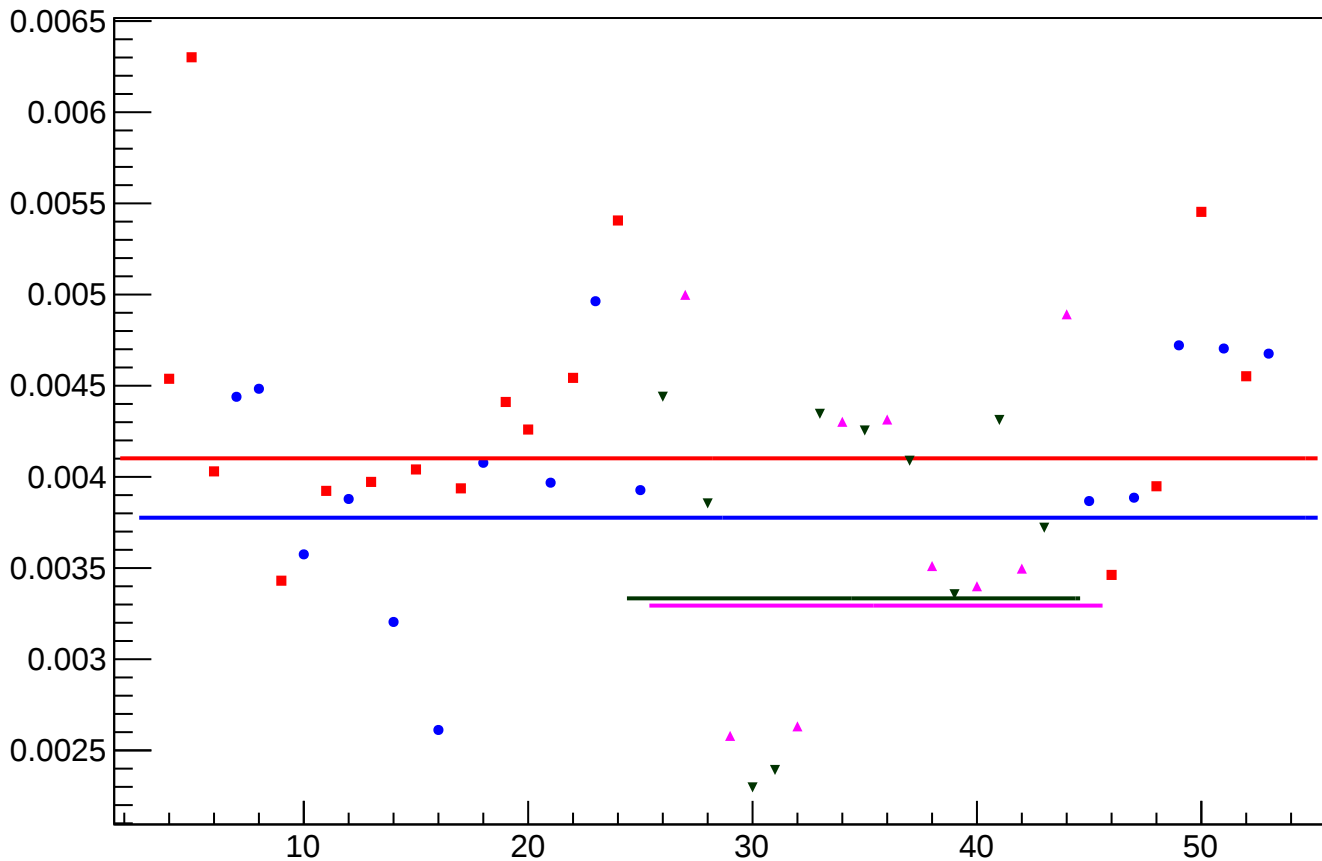
0.208 ± 0.000 χ^2/NDF : 4528367065.9/24

Right Out: 0.235 ± 0.000 χ^2/NDF : 675475723.0/15

0.225 ± 0.000 χ^2/NDF : 2065267330.1/24

Left In: 0.215 ± 0.000 χ^2/NDF : 1302153804.0/8

yield_bpm0l09Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 560580.4/14

Left Out: 0.003+/-0.000 χ^2/NDF : 596508.1/9

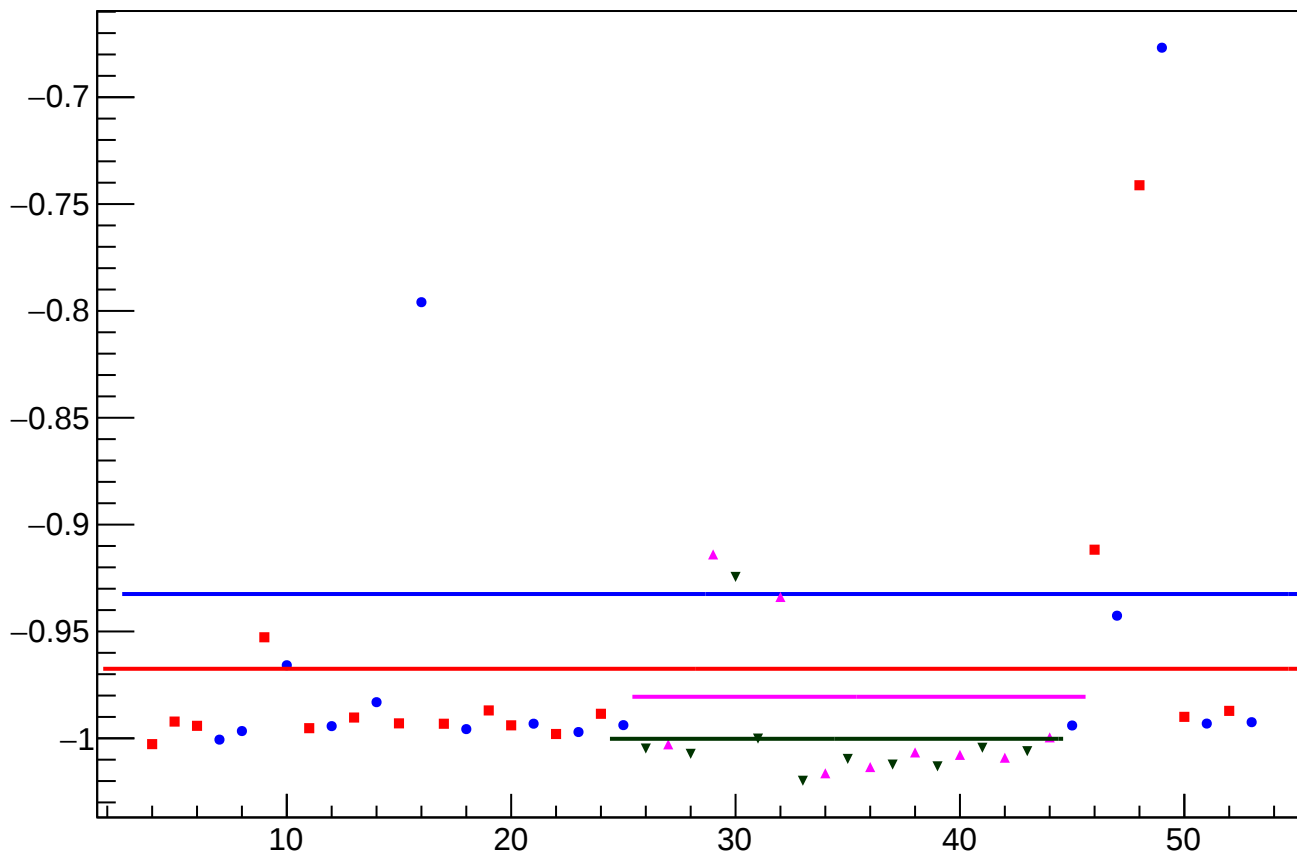
Right Out: 0.004+/-0.000 χ^2/NDF : 265769.3/15

Left In: 0.003+/-0.000 χ^2/NDF : 624356.7/8

0.004+/-0.000 χ^2/NDF : 1253626.2/24

0.004+/-0.000 χ^2/NDF : 1184896.3/24

yield_bpm0l10X_mean vs slug



Right In: -0.932+/-0.000 χ^2 /NDF: 621915940.5/14

Left Out: -1.000+/-0.000 χ^2 /NDF:20984094.7/9

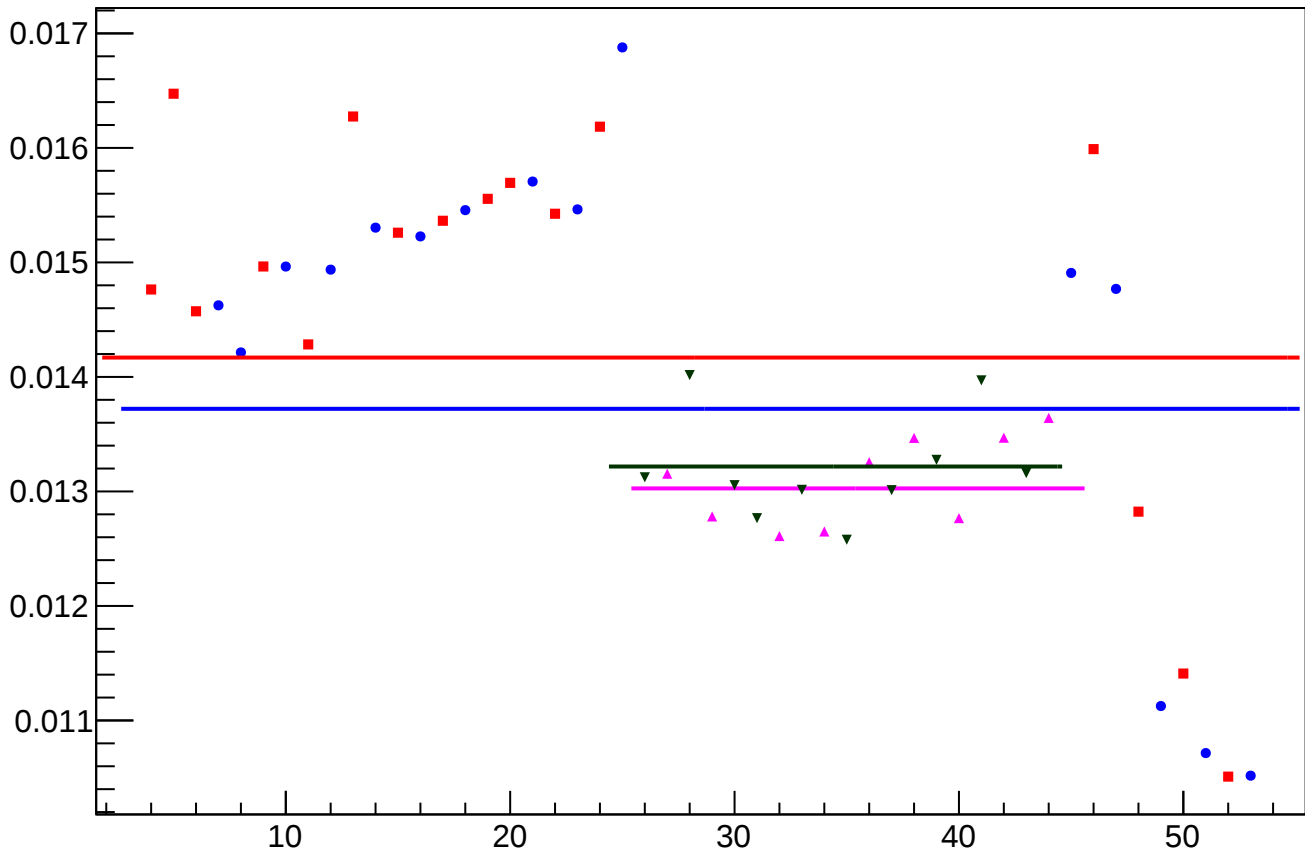
Right Out: -0.967+/-0.000 χ^2 /NDF: 168320814.4/15

Left In: -0.981+/-0.000 χ^2 /NDF:51761164.5/8

-0.959+/-0.000 χ^2 /NDF: 728107787.2/24

-0.973+/-0.000 χ^2 /NDF: 223156226.2/24

yield_bpm0l10X_rms vs slug



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 395779.0/14

Left Out: 0.013 $\pm$ 0.000 χ^2/NDF :12265.8/9

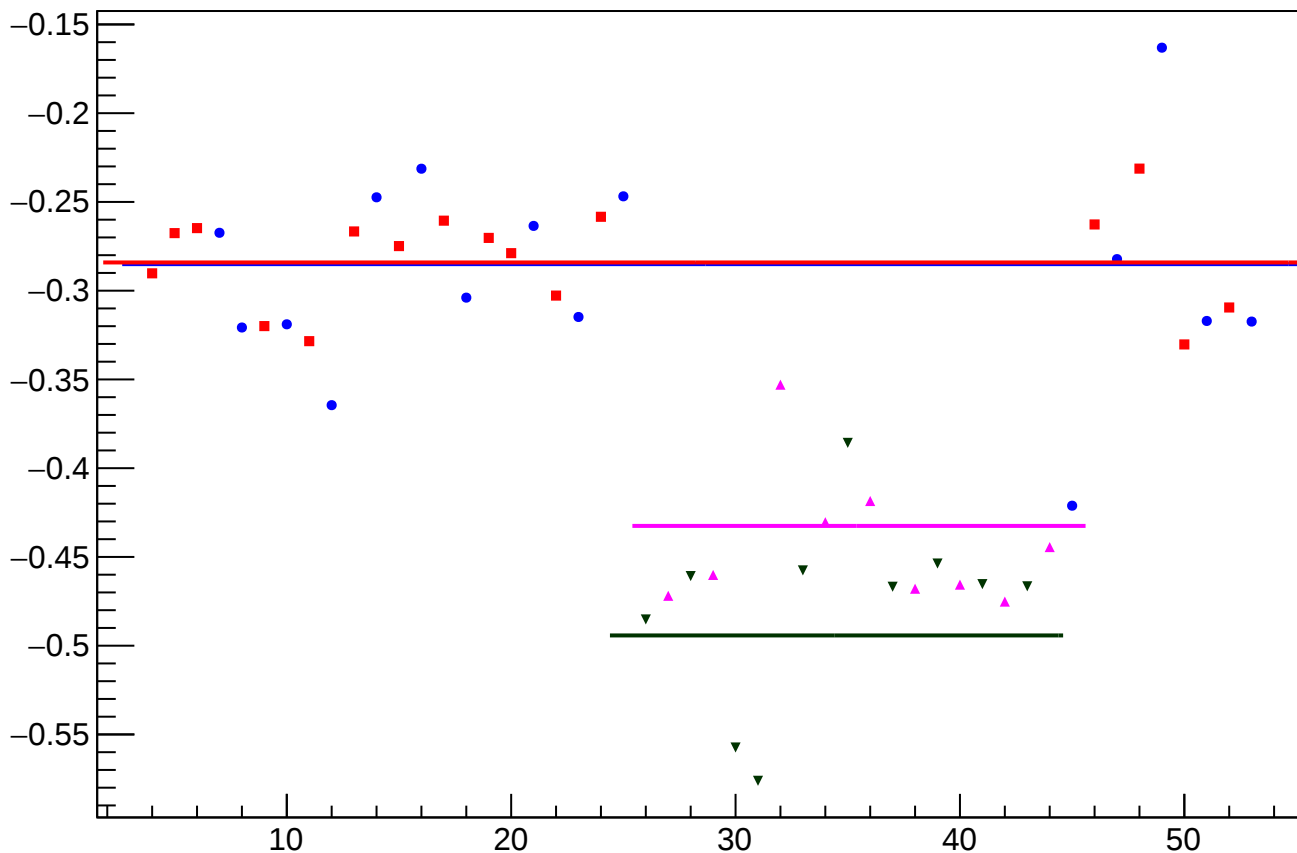
Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 297900.2/15

Left In: 0.013 $\pm$ 0.000 χ^2/NDF :8570.4/8

0.014 $\pm$ 0.000 χ^2/NDF : 417473.0/24

0.014 $\pm$ 0.000 χ^2/NDF : 353287.0/24

yield_bpm0l10Y_mean vs slug



Right In: -0.285+/-0.000 χ^2/NDF : 2542213435.5/14

Left Out: -0.494+/-0.000 χ^2/NDF :1568805763.5/9

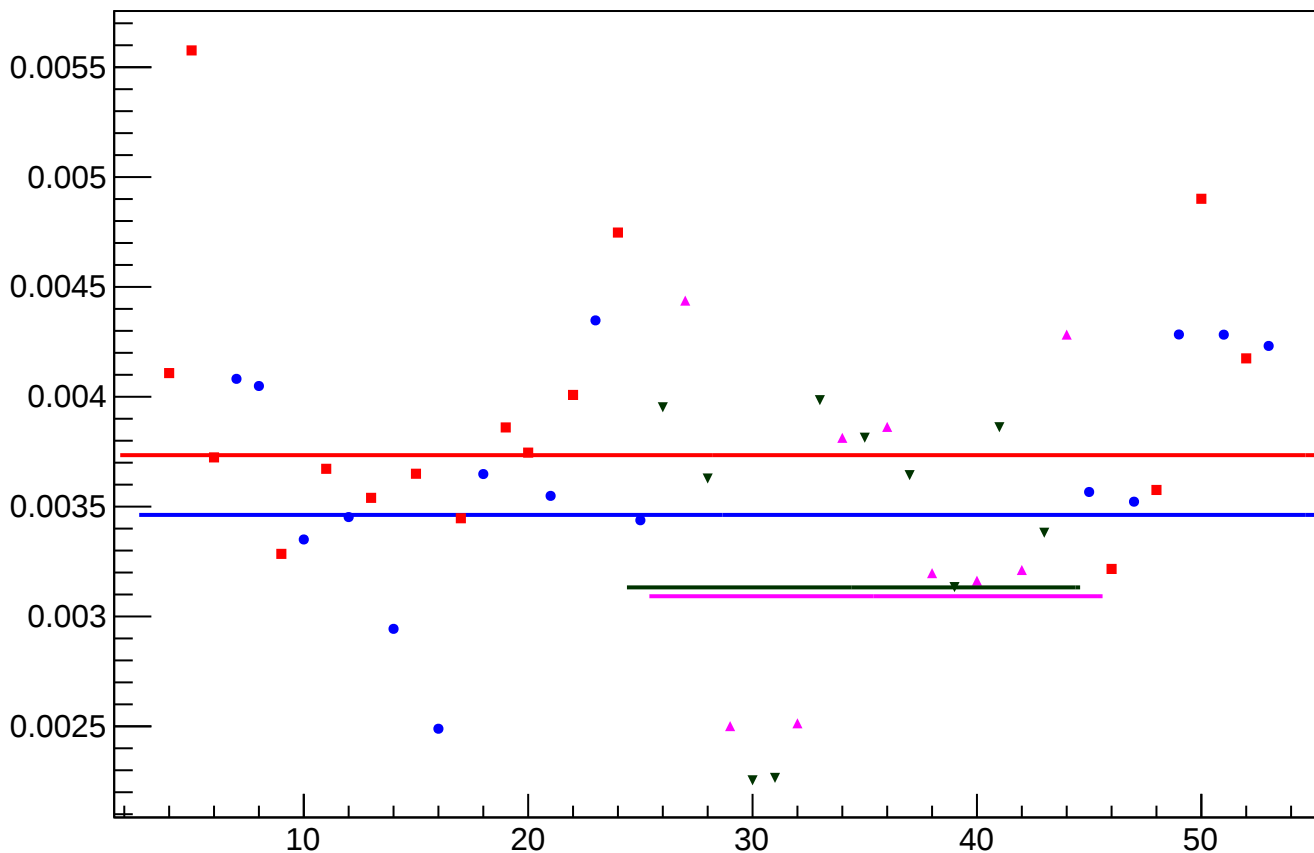
Right Out: -0.284+/-0.000 χ^2/NDF : 454435625.1/15

Left In: -0.433+/-0.000 χ^2/NDF :1186728653.8/8

-0.369+/-0.000 χ^2/NDF : 16822048384.3/24

-0.357+/-0.000 χ^2/NDF : 7574924298.5/24

yield_bpm0l10Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 464026.0/14

Left Out: 0.003+/-0.000 χ^2/NDF :463941.8/9

Right Out: 0.004+/-0.000 χ^2/NDF : 212541.0/15

Left In: 0.003+/-0.000 χ^2/NDF :472745.5/8

0.003+/-0.000 χ^2/NDF : 991193.9/24

0.003+/-0.000 χ^2/NDF : 907434.9/24