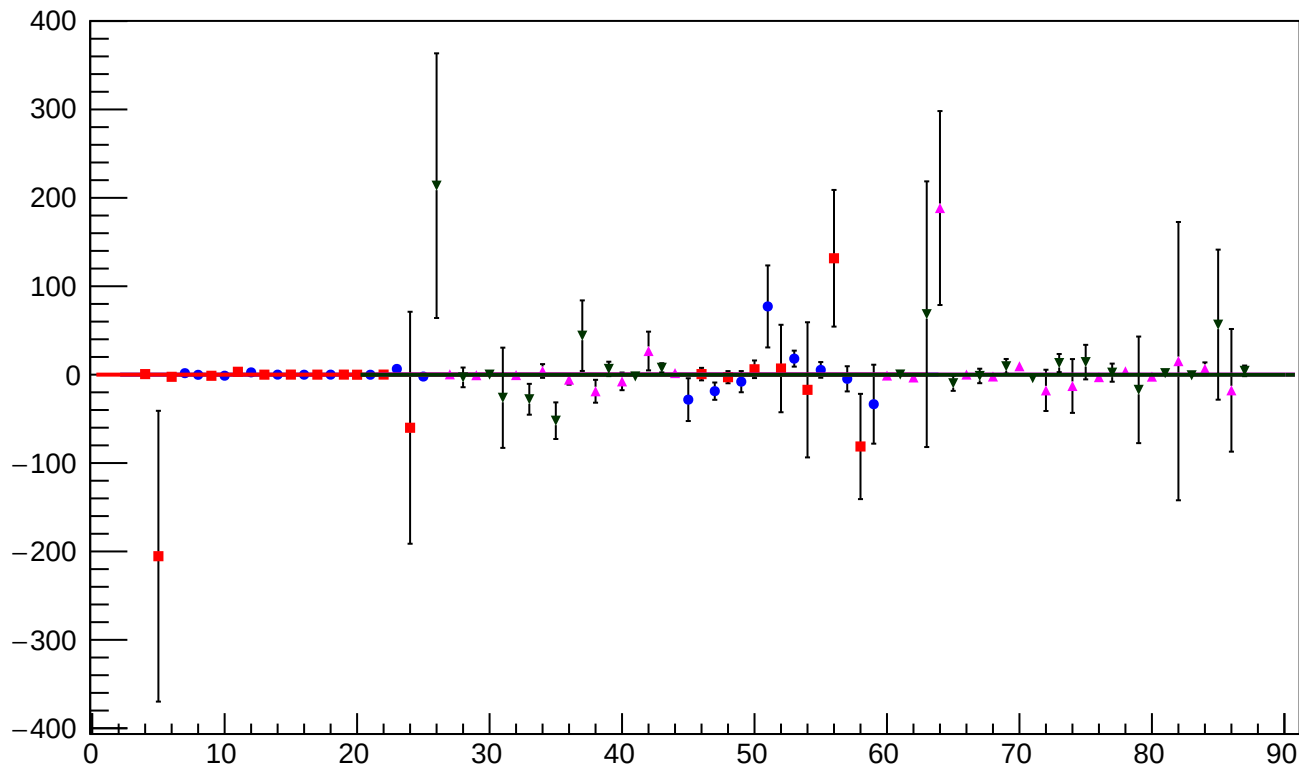


diff_cav4bX_mean vs slug



Right In: -0.014 ± 0.014

$\chi^2/\text{NDF}: 31.2/17$

Left Out: -0.132 ± 0.906

$\chi^2/\text{NDF}: 24.5/23$

Right Out: 0.017 ± 0.016

$\chi^2/\text{NDF}: 24.7/18$

Left In: 0.070 ± 0.073

$\chi^2/\text{NDF}: 31.0/22$

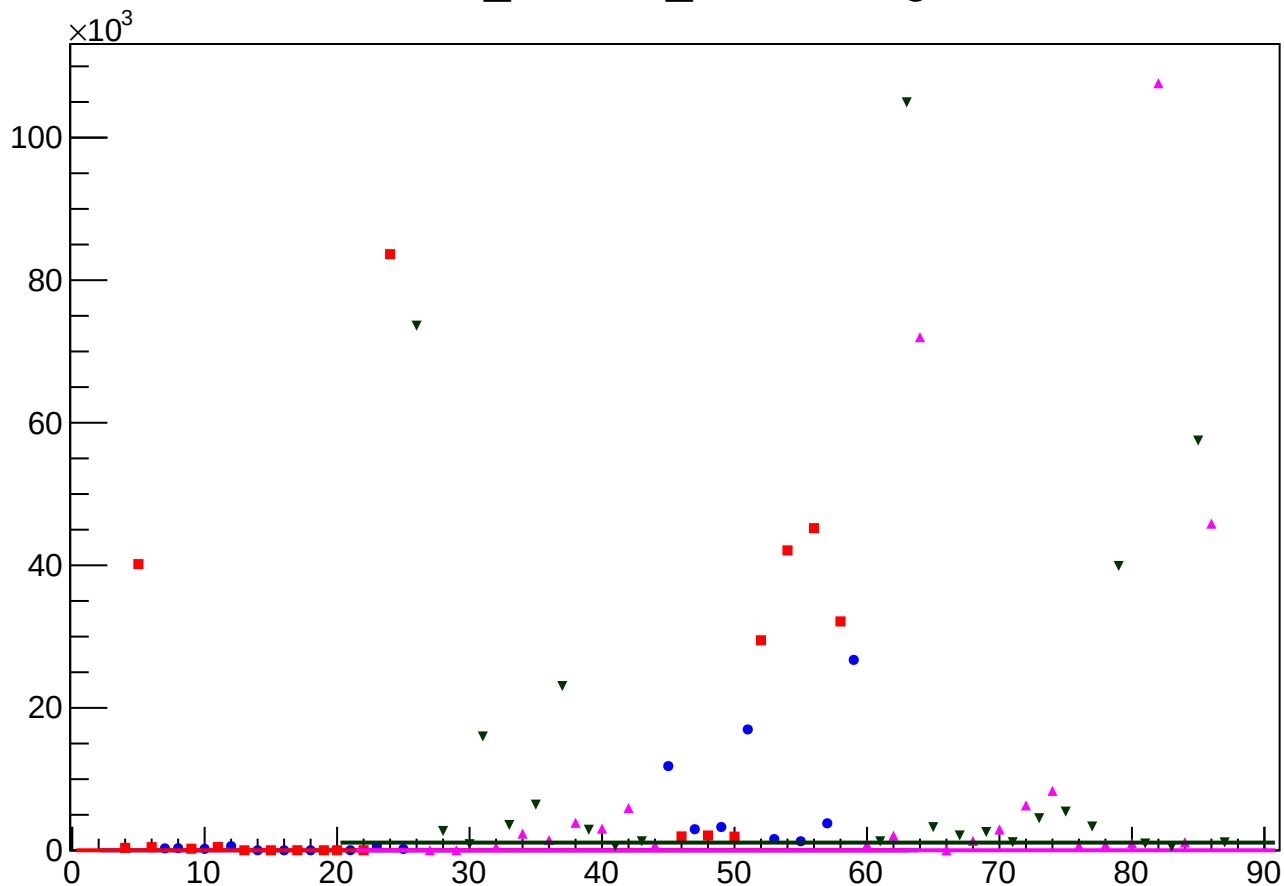
-0.014 ± 0.014

$\chi^2/\text{NDF}: 55.7/41$

0.019 ± 0.016

$\chi^2/\text{NDF}: 56.2/41$

diff_cav4bX_rms vs slug



Right In: 22.429+/-0.010 χ^2/NDF : 2804434.6/17

Left Out: 1101.973+/-0.640 χ^2/NDF : 5126755.3/23

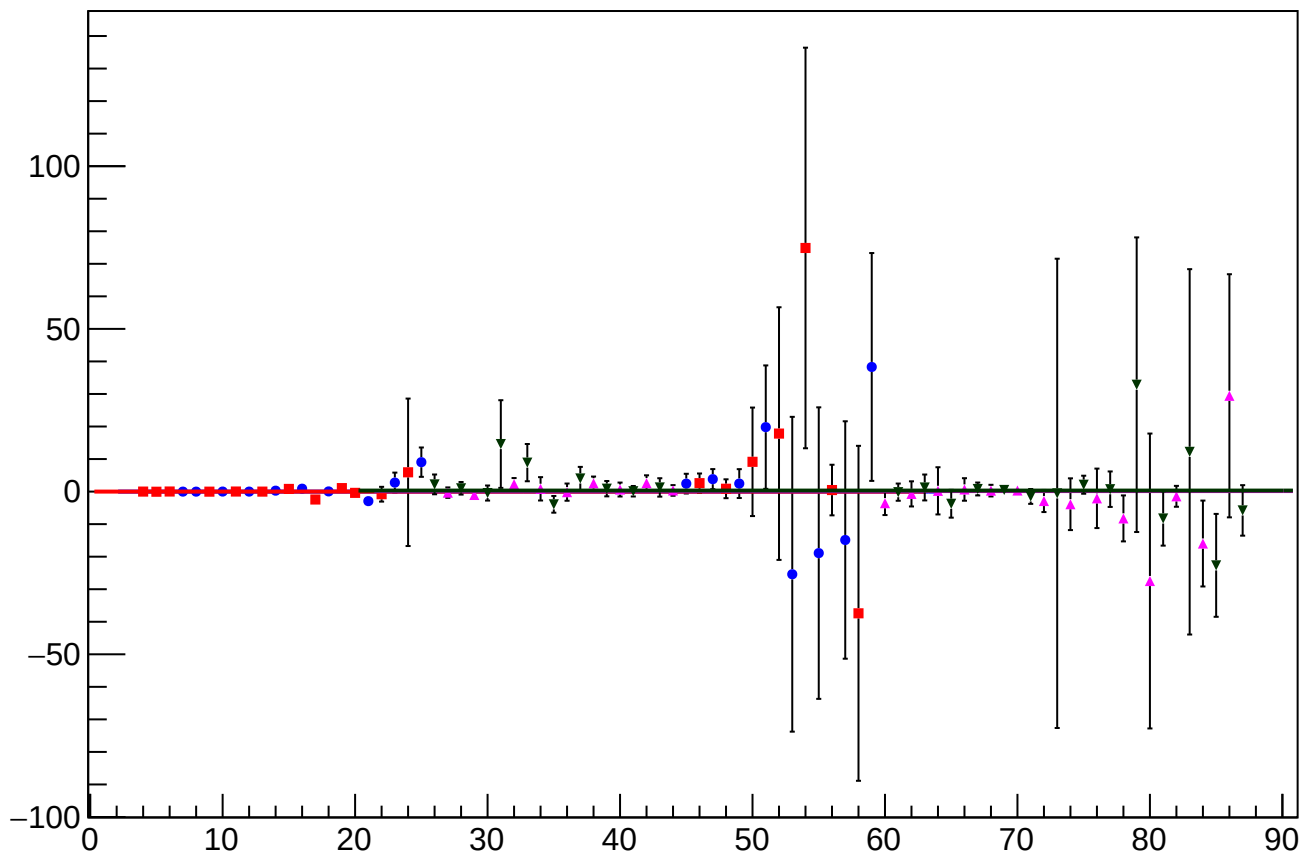
Right Out: 22.611+/-0.011 χ^2/NDF : 4395534.2/18

Left In: 26.899+/-0.051 χ^2/NDF : 7460713.8/22

22.699+/-0.010 χ^2/NDF : 10771622.1/41

22.812+/-0.011 χ^2/NDF : 11862863.4/41

diff_cav4bY_mean vs slug



Right In: -0.001 ± 0.006 χ^2/NDF : 23.6/17

Left Out: 0.309 ± 0.586 χ^2/NDF : 14.5/23

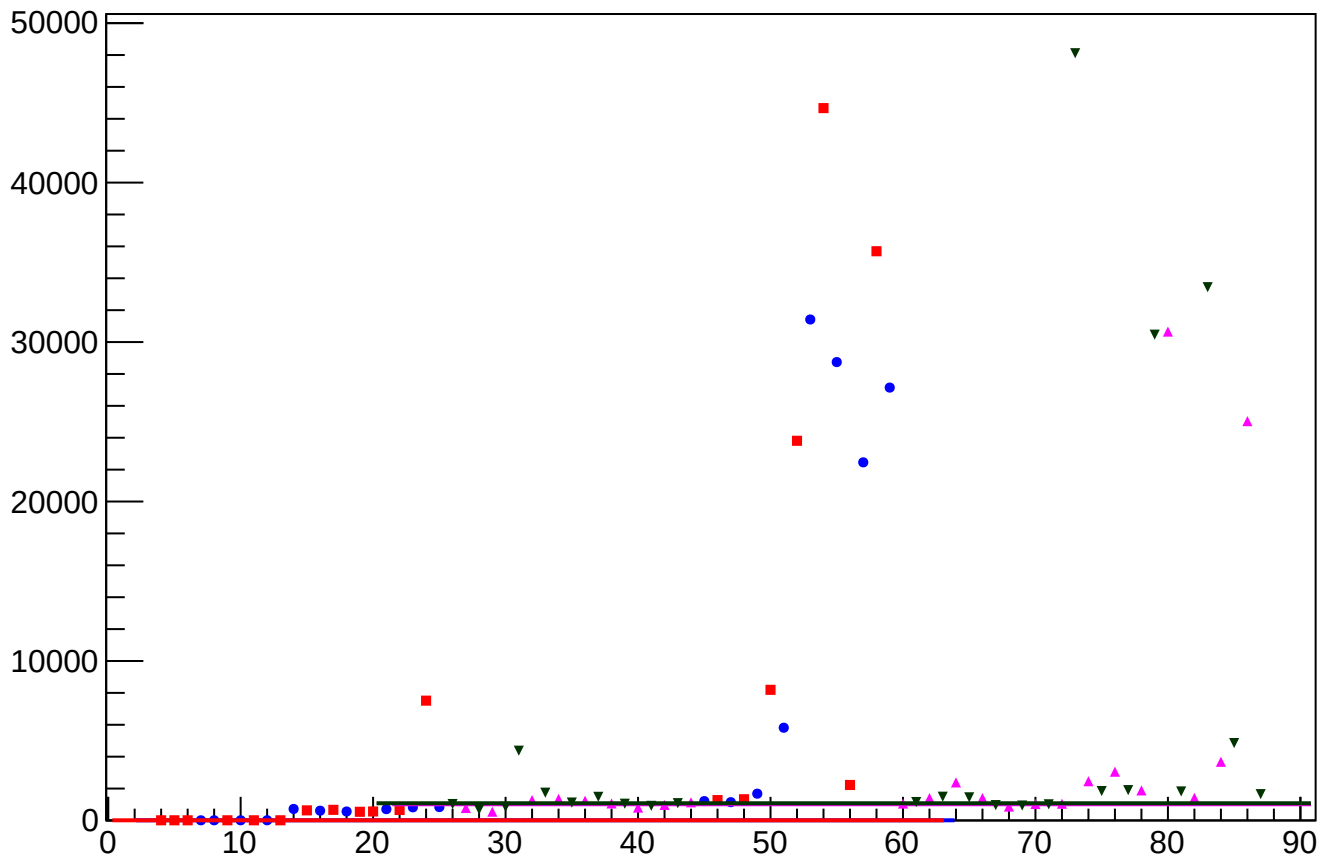
Right Out: 0.002 ± 0.005 χ^2/NDF : 20.3/18

Left In: 0.157 ± 0.518 χ^2/NDF : 11.0/22

-0.001 ± 0.006 χ^2/NDF : 38.3/41

0.002 ± 0.005 χ^2/NDF : 31.5/41

diff_cav4bY_rms vs slug



Right In: 10.507+/-0.005 χ^2 /NDF: 8959205.7/17

Left Out: 1078.274+/-0.414 χ^2 /NDF:3060717.2/23

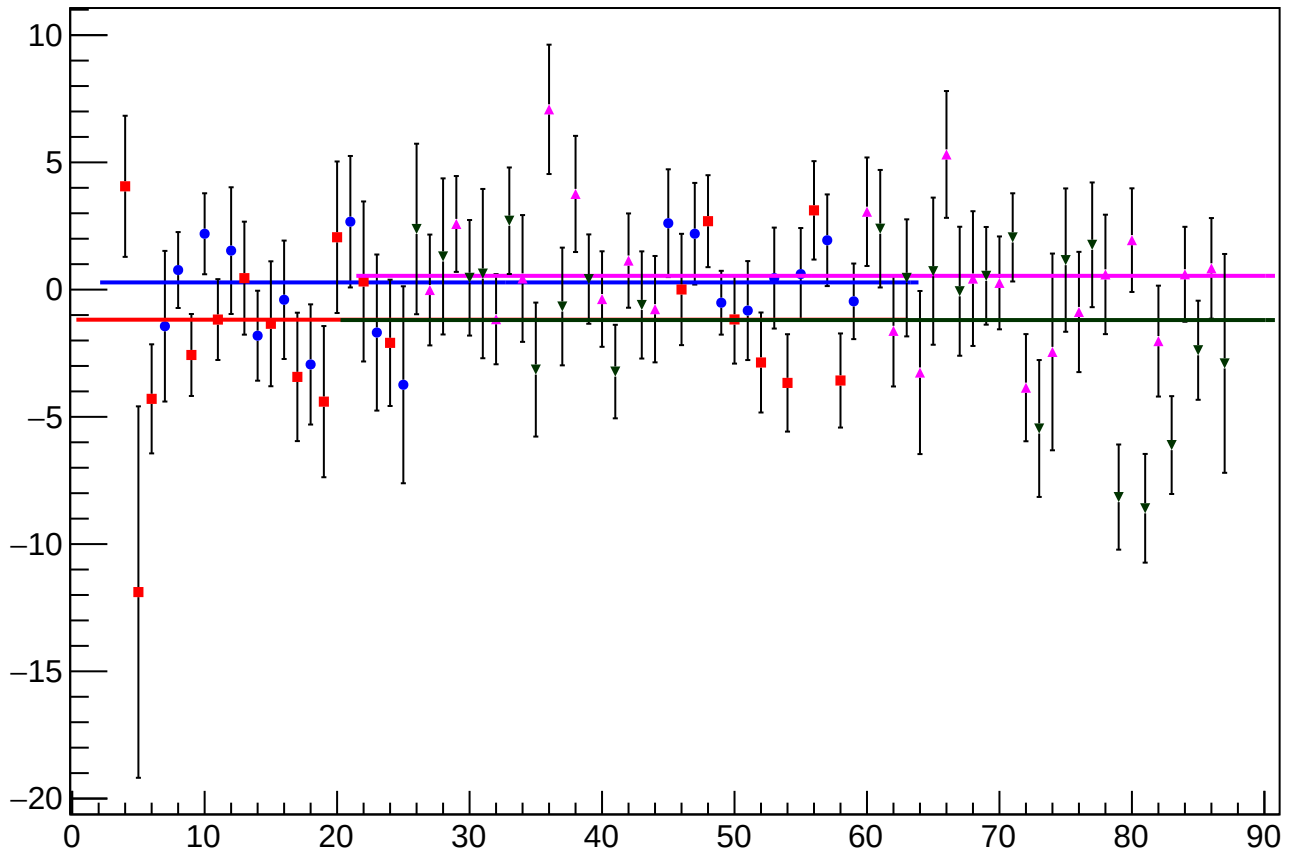
Right Out: 10.086+/-0.004 χ^2 /NDF: 6750125.6/18

Left In: 1014.335+/-0.366 χ^2 /NDF:2508820.9/22

10.638+/-0.005 χ^2 /NDF: 18668017.5/41

10.197+/-0.004 χ^2 /NDF: 16768894.0/41

diff_cav4cX_mean vs slug



Right In: 0.283 ± 0.455 χ^2/NDF : 11.8/17

Left Out: -1.196 ± 0.466 χ^2/NDF : 51.8/23

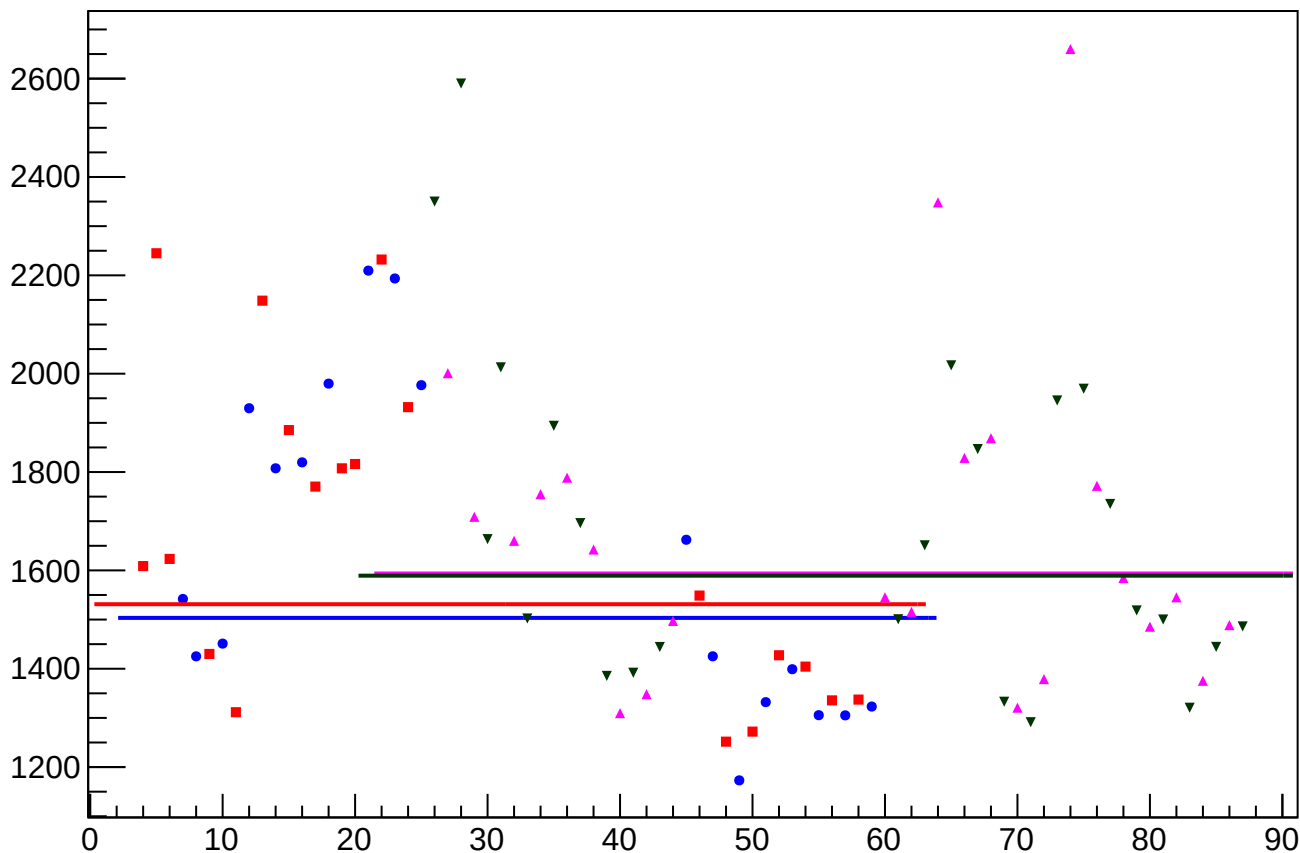
Right Out: -1.182 ± 0.494 χ^2/NDF : 26.5/18

Left In: 0.542 ± 0.452 χ^2/NDF : 26.2/22

-0.440 ± 0.326 χ^2/NDF : 68.8/41

-0.244 ± 0.333 χ^2/NDF : 59.4/41

diff_cav4cX_rms vs slug



Right In: 1503.404+/-0.322 χ^2/NDF : 776769.4/17

Left Out: 1589.262+/-0.329 χ^2/NDF : 743970.6/23

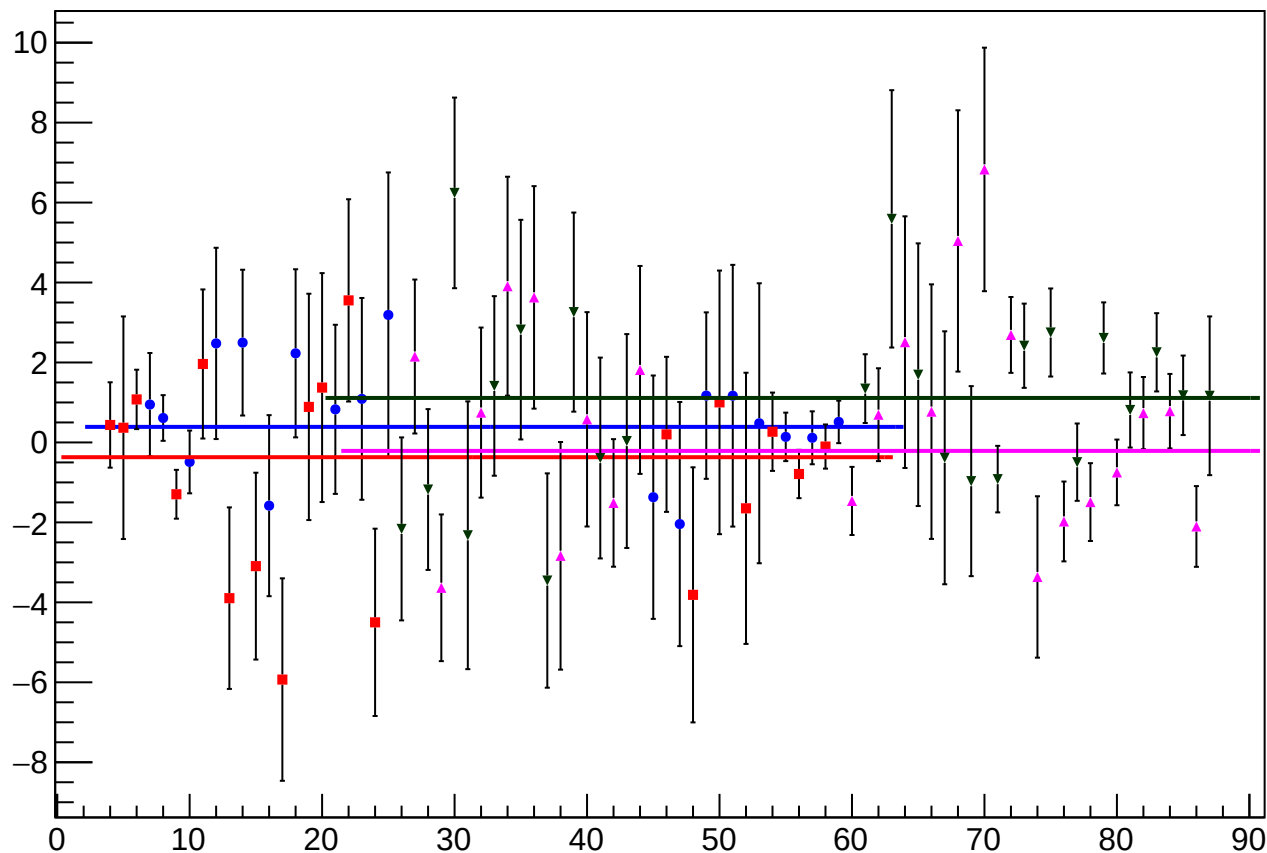
Right Out: 1531.211+/-0.349 χ^2/NDF : 621310.9/18

Left In: 1593.678+/-0.319 χ^2/NDF : 609214.6/22

1545.387+/-0.230 χ^2/NDF : 1555504.8/41

1565.213+/-0.236 χ^2/NDF : 1247957.7/41

diff_cav4cY_mean vs slug



Right In: 0.389 ± 0.251 χ^2/NDF : 7.5/17

Left Out: 1.113 ± 0.284 χ^2/NDF : 33.4/23

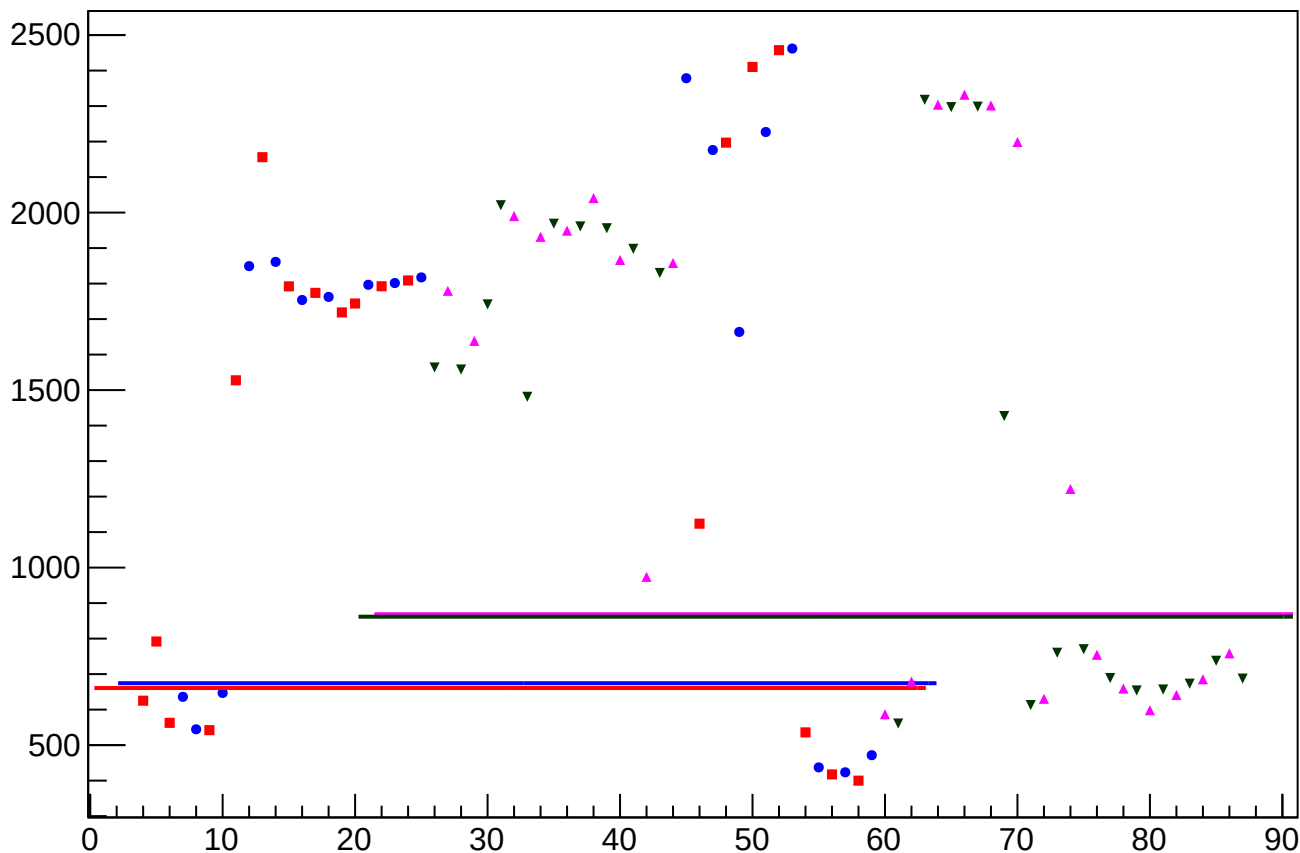
Right Out: -0.369 ± 0.263 χ^2/NDF : 25.7/18

Left In: -0.212 ± 0.281 χ^2/NDF : 45.9/22

0.707 ± 0.188 χ^2/NDF : 44.5/41

-0.296 ± 0.192 χ^2/NDF : 71.8/41

diff_cav4cY_rms vs slug



Right In: 674.323+/-0.178 χ^2/NDF : 7013232.4/17

Left Out: 861.734+/-0.201 χ^2/NDF : 4903275.8/23

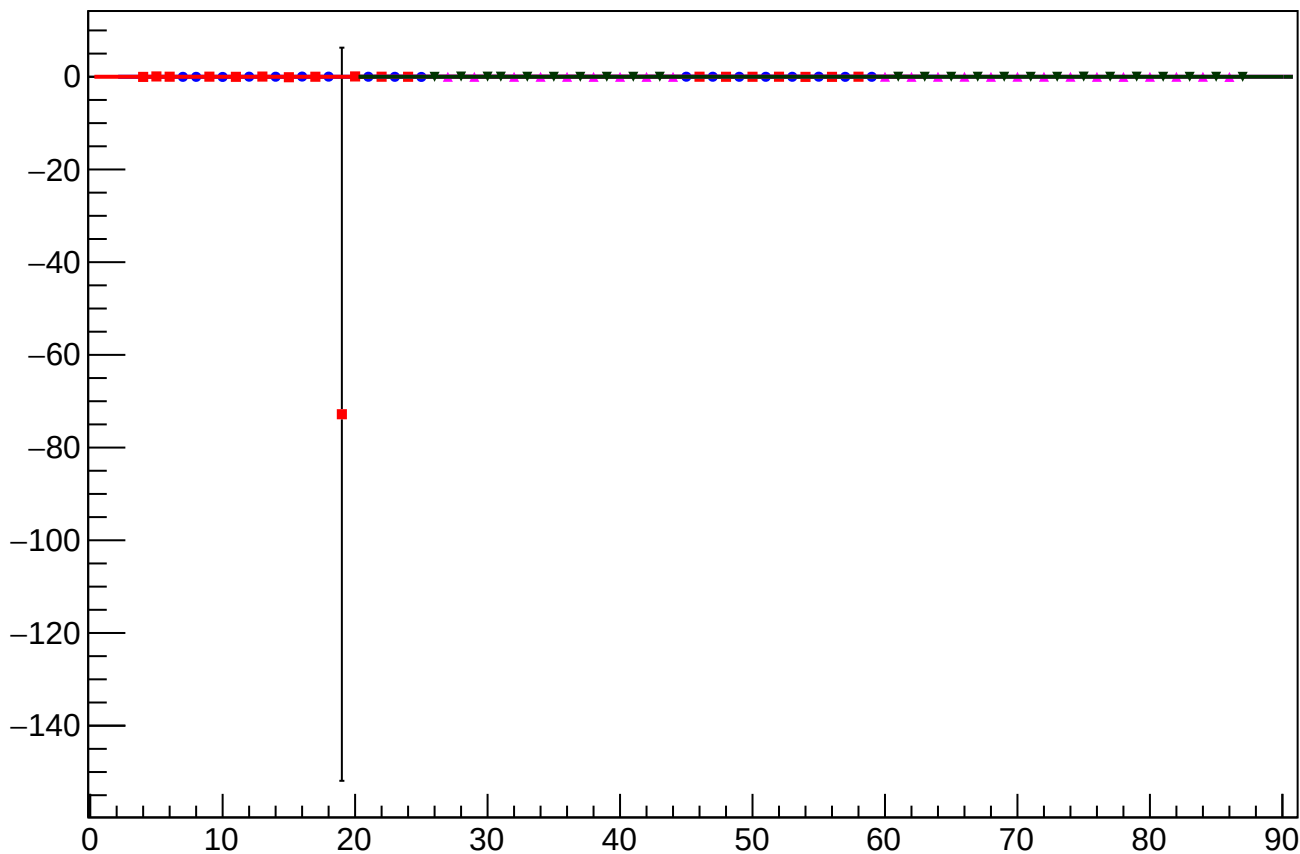
Right Out: 660.761+/-0.186 χ^2/NDF : 6222915.7/18

Left In: 868.712+/-0.199 χ^2/NDF : 5499996.2/22

756.678+/-0.133 χ^2/NDF : 12404555.2/41

757.552+/-0.136 χ^2/NDF : 12306865.7/41

diff_cav4dX_mean vs slug



Right In: -0.000 $\pm$ 0.004 χ^2 /NDF: 11.9/17

Left Out: 0.001 $\pm$ 0.003 χ^2 /NDF:18.5/23

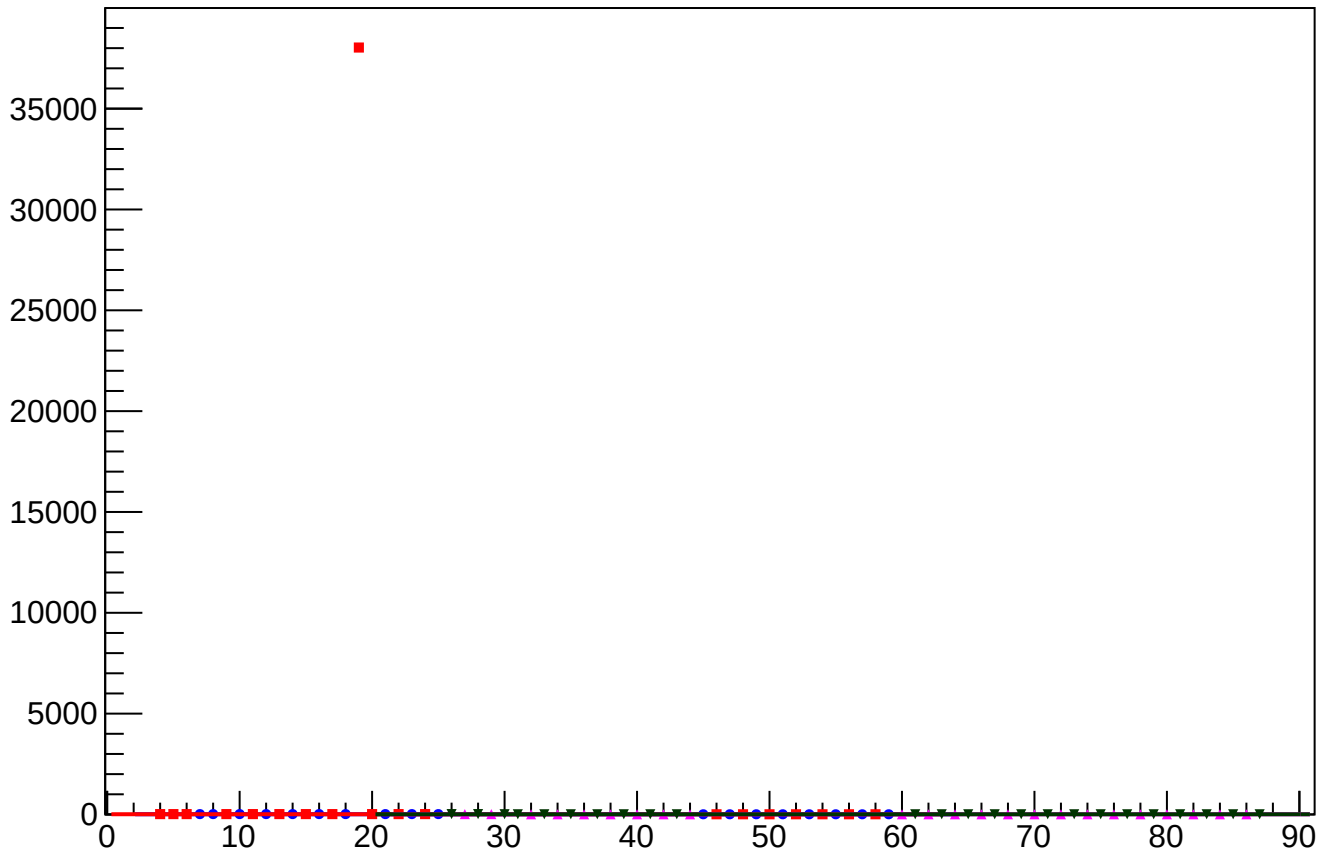
Right Out: 0.002 $\pm$ 0.004 χ^2 /NDF: 20.0/18

Left In: 0.002 $\pm$ 0.003 χ^2 /NDF:12.6/22

0.001 $\pm$ 0.002 χ^2 /NDF: 30.5/41

0.002 $\pm$ 0.002 χ^2 /NDF: 32.6/41

diff_cav4dX_rms vs slug



Right In: 10.593 $\pm$ 0.003 χ^2 /NDF: 1953039.1/17

Left Out: 8.926 $\pm$ 0.002 χ^2 /NDF: 626587.3/23

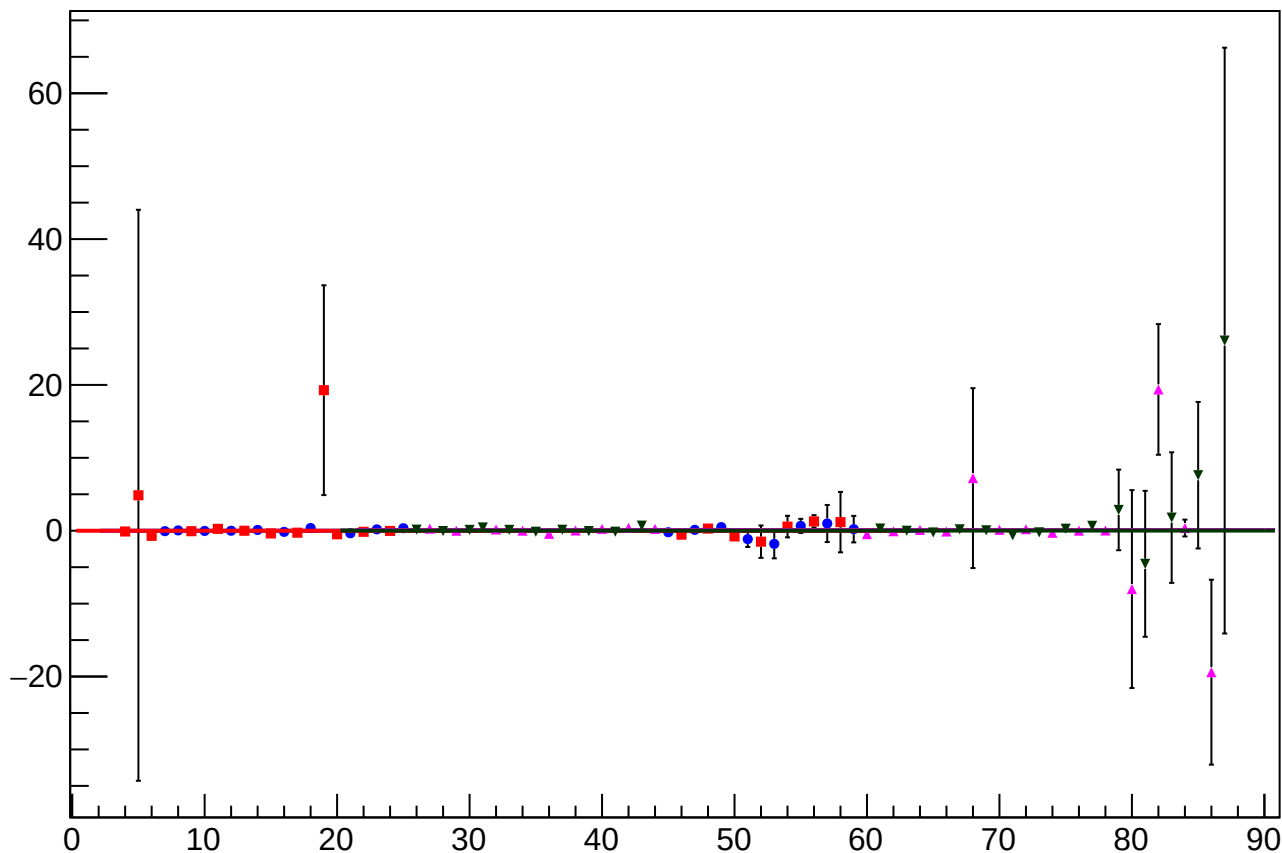
9.528 $\pm$ 0.002 χ^2 /NDF: 2850081.9/41

Right Out: 11.097 $\pm$ 0.003 χ^2 /NDF: 2257827.7/18

9.578 $\pm$ 0.002 χ^2 /NDF: 3439628.3/41

Left In: 8.934 $\pm$ 0.002 χ^2 /NDF: 794720.0/22

diff_cav4dY_mean vs slug



Right In: -0.003 ± 0.003 χ^2/NDF : 20.9/17

Left Out: 0.022 ± 0.044 χ^2/NDF : 27.5/23

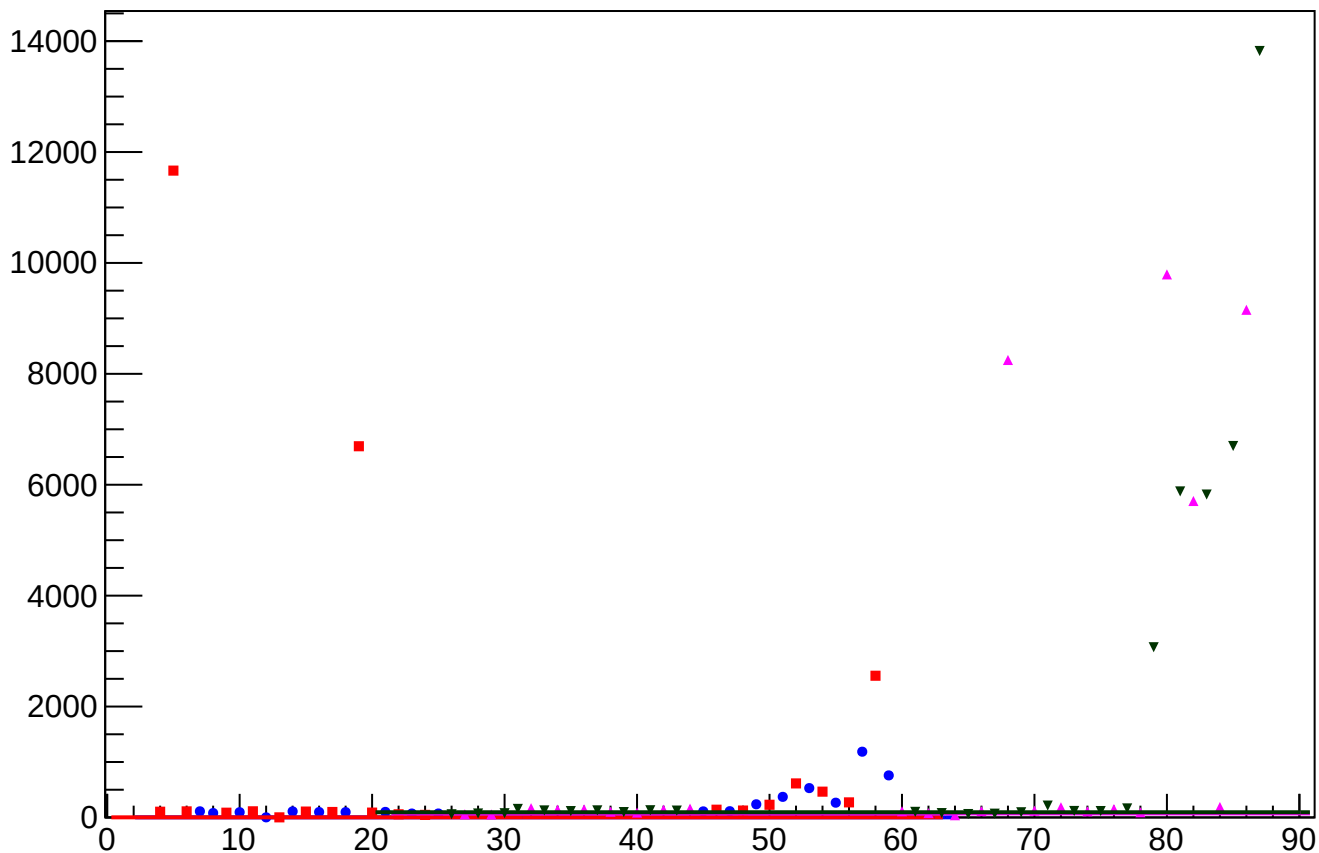
Right Out: -0.003 ± 0.003 χ^2/NDF : 21.1/18

Left In: 0.099 ± 0.037 χ^2/NDF : 22.7/22

-0.003 ± 0.003 χ^2/NDF : 48.6/41

-0.002 ± 0.003 χ^2/NDF : 51.3/41

diff_cav4dY_rms vs slug



Right In: 2.214+/-0.002 χ^2/NDF : 9160380.4/17

Left Out: 93.779+/-0.031 χ^2/NDF : 3973625.8/23

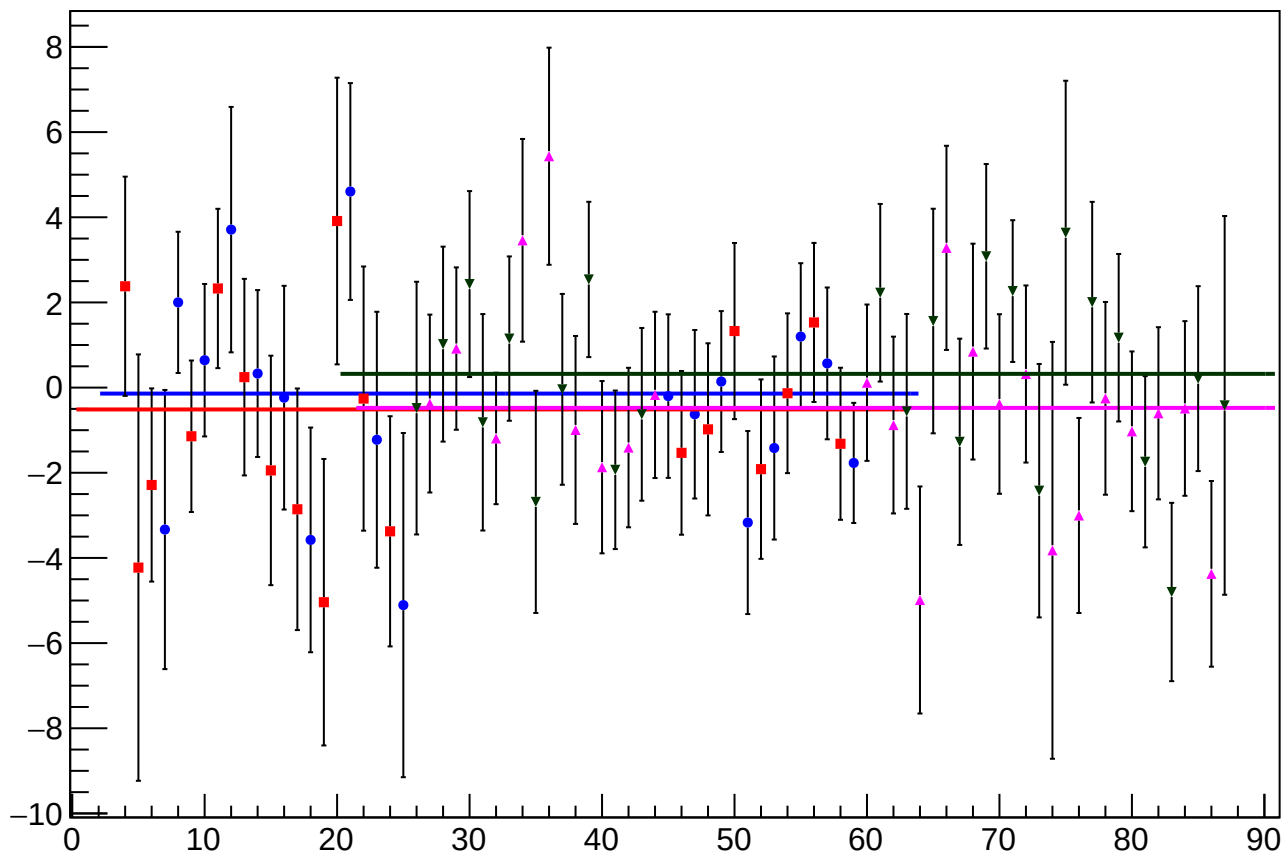
Right Out: 2.101+/-0.002 χ^2/NDF : 6716516.3/18

Left In: 72.688+/-0.026 χ^2/NDF : 5918598.3/22

2.664+/-0.002 χ^2/NDF : 21831707.0/41

2.569+/-0.002 χ^2/NDF : 19862645.7/41

diff_bpm4aX_mean vs slug



Right In: -0.141 ± 0.485 $\chi^2/\text{NDF}: 16.0/17$

Left Out: 0.323 ± 0.457 $\chi^2/\text{NDF}: 20.1/23$

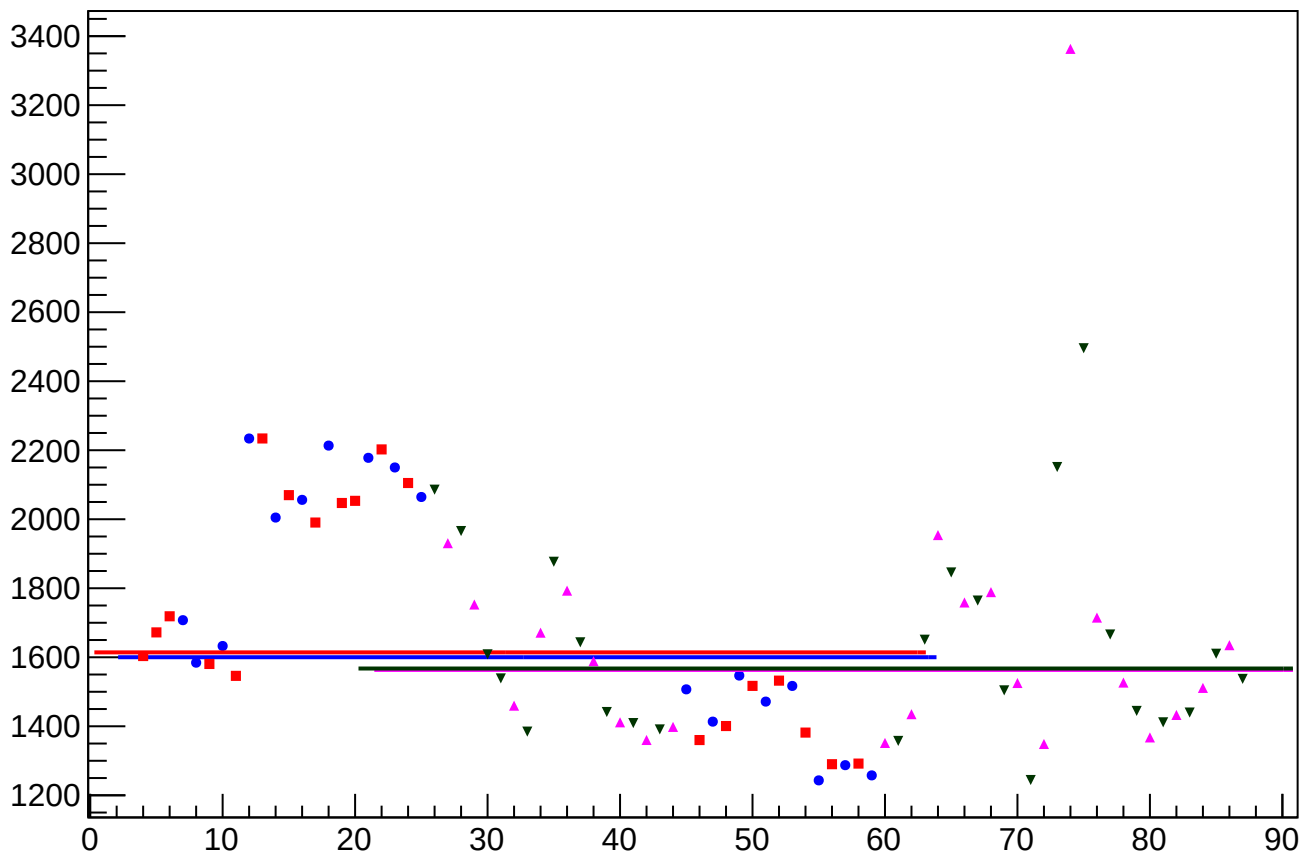
Right Out: -0.513 ± 0.519 $\chi^2/\text{NDF}: 13.6/18$

Left In: -0.476 ± 0.442 $\chi^2/\text{NDF}: 20.5/22$

0.105 ± 0.333 $\chi^2/\text{NDF}: 36.6/41$

-0.492 ± 0.337 $\chi^2/\text{NDF}: 34.1/41$

diff_bpm4aX_rms vs slug



Right In: 1600.111+/-0.343 χ^2/NDF : 849754.6/17

Left Out: 1567.405+/-0.323 χ^2/NDF : 589543.7/23

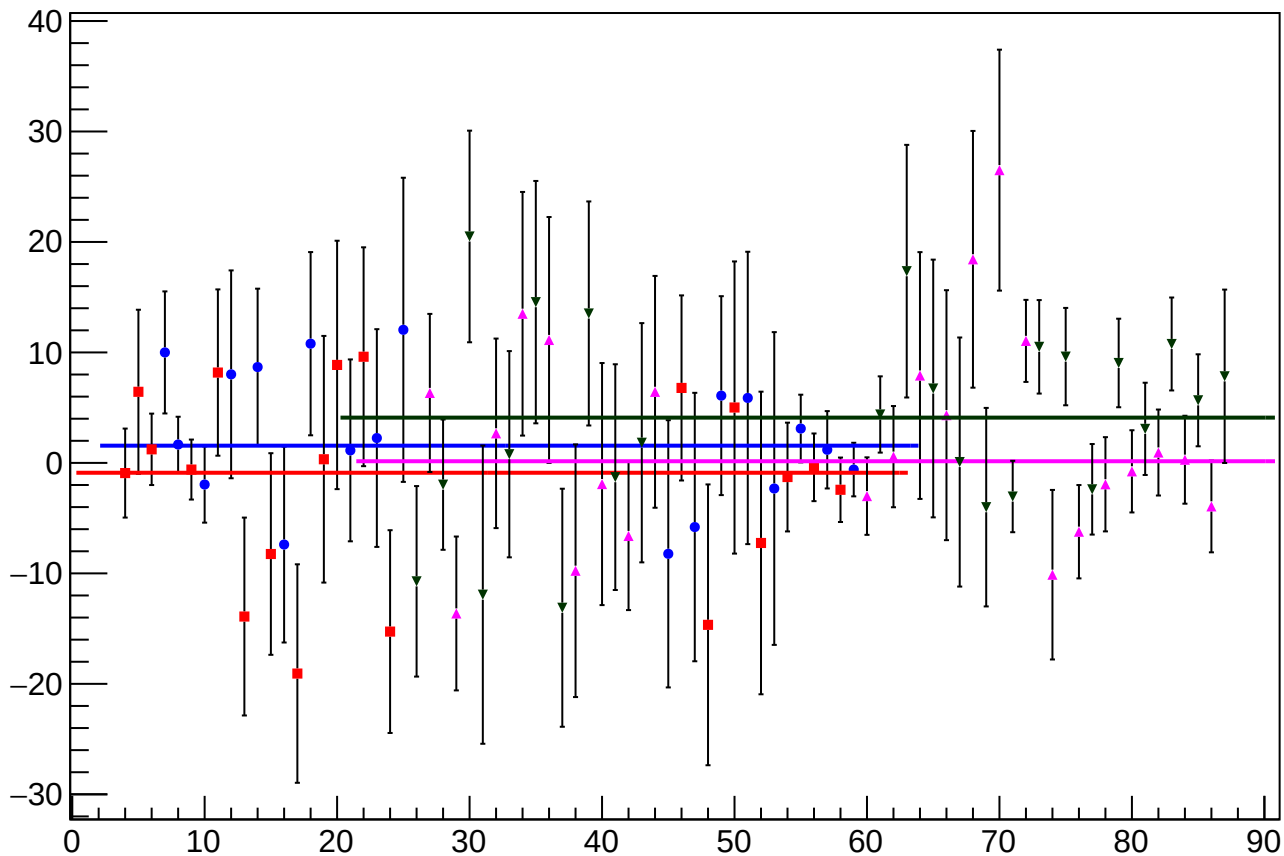
1582.762+/-0.235 χ^2/NDF : 1444114.0/41

Right Out: 1614.182+/-0.367 χ^2/NDF : 670373.5/18

1584.699+/-0.238 χ^2/NDF : 1283347.6/41

Left In: 1563.285+/-0.313 χ^2/NDF : 601831.2/22

diff_bpm4aY_mean vs slug



Right In: 1.560 ± 1.148 χ^2/NDF : 10.2/17

Left Out: 4.099 ± 1.157 χ^2/NDF : 31.2/23

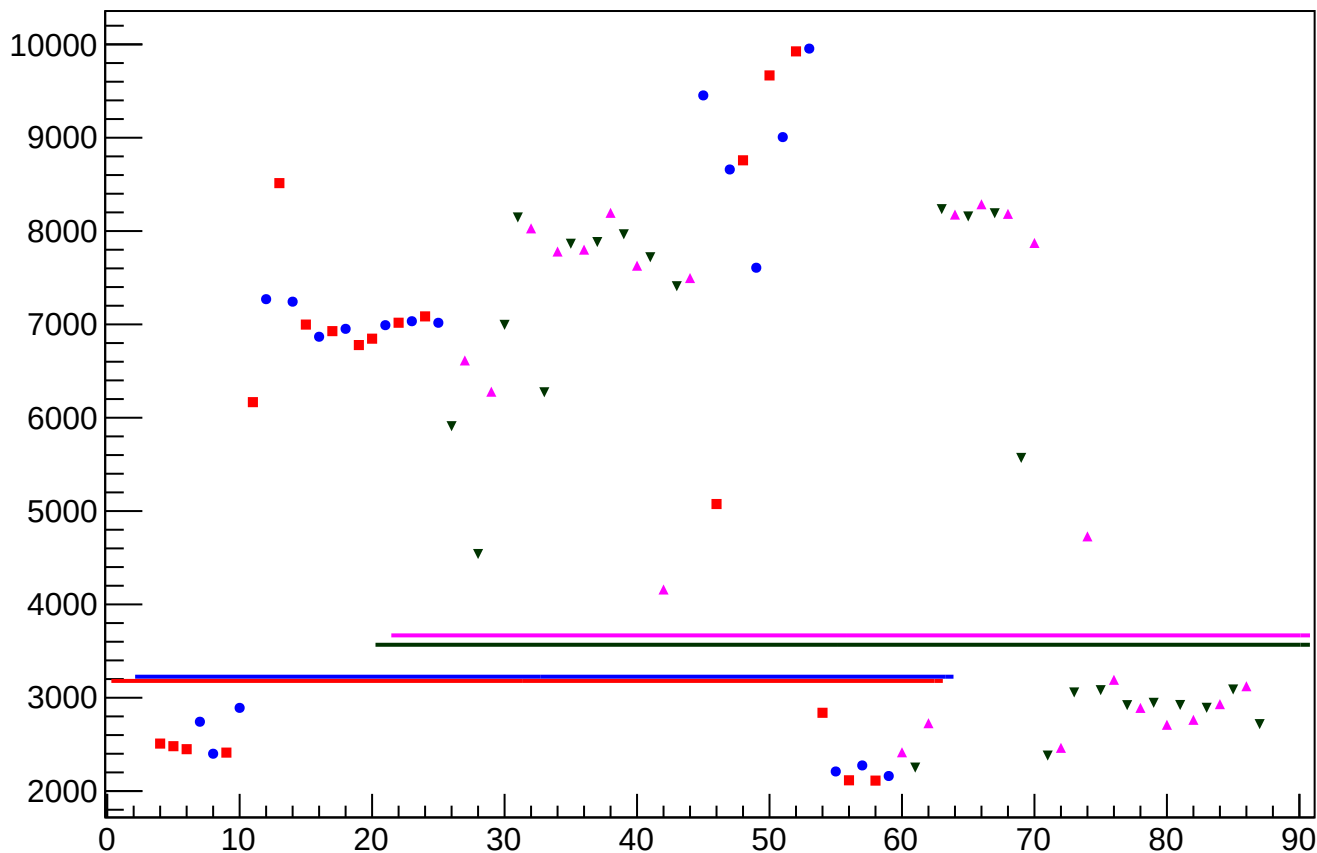
Right Out: -0.892 ± 1.197 χ^2/NDF : 16.1/18

Left In: 0.151 ± 1.164 χ^2/NDF : 33.1/22

2.820 ± 0.815 χ^2/NDF : 43.8/41

-0.356 ± 0.835 χ^2/NDF : 49.6/41

diff_bpm4aY_rms vs slug



Right In: 3225.359+/-0.812 χ^2/NDF : 5860780.1/17

Left Out: 3567.550+/-0.818 χ^2/NDF : 4381737.7/23

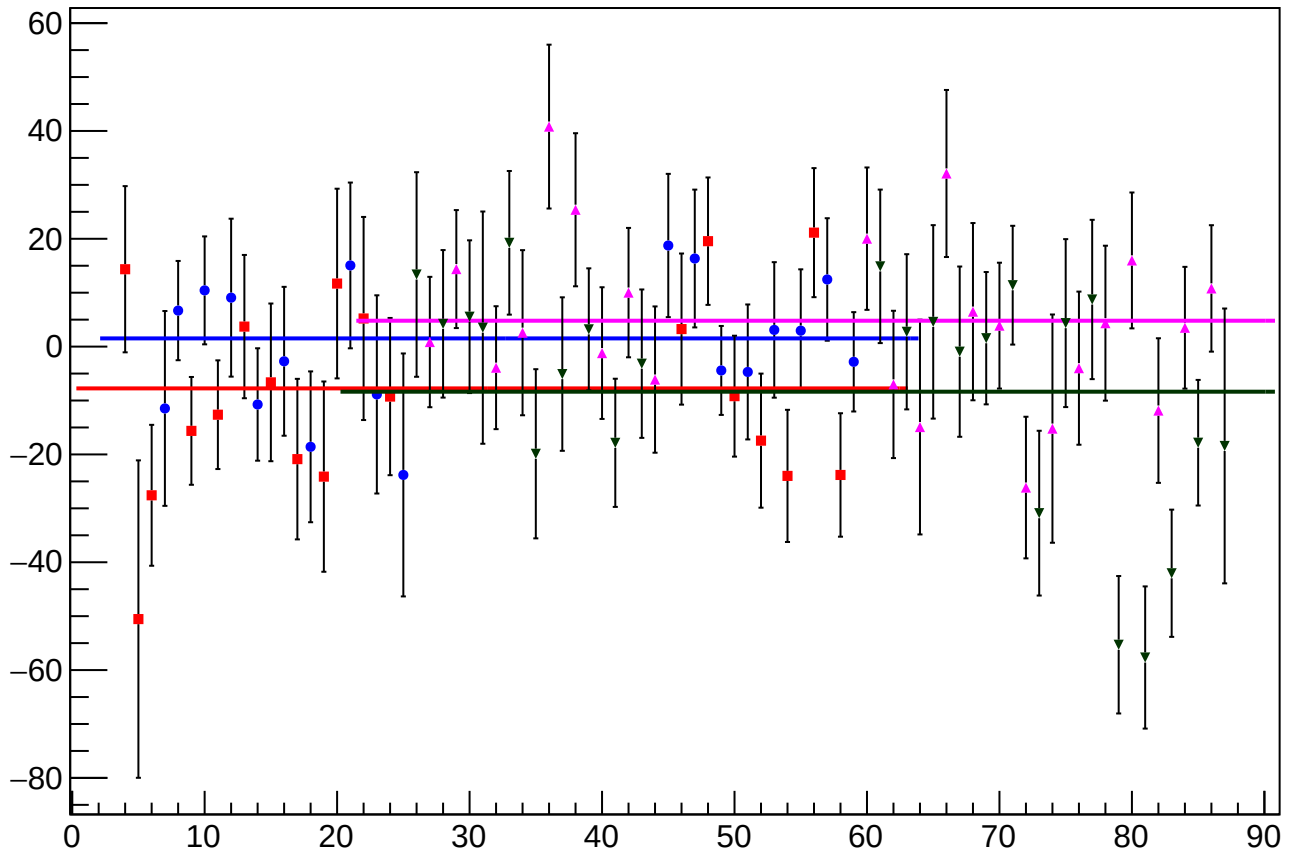
Right Out: 3180.260+/-0.846 χ^2/NDF : 5053490.5/18

Left In: 3668.052+/-0.823 χ^2/NDF : 4824650.8/22

3395.140+/-0.576 χ^2/NDF : 10330634.6/41

3430.835+/-0.590 χ^2/NDF : 10048843.6/41

diff_bpm4eX_mean vs slug



Right In: 1.521 ± 2.832 $\chi^2/\text{NDF}: 12.8/17$

Left Out: -8.364 ± 2.854 $\chi^2/\text{NDF}: 58.7/23$

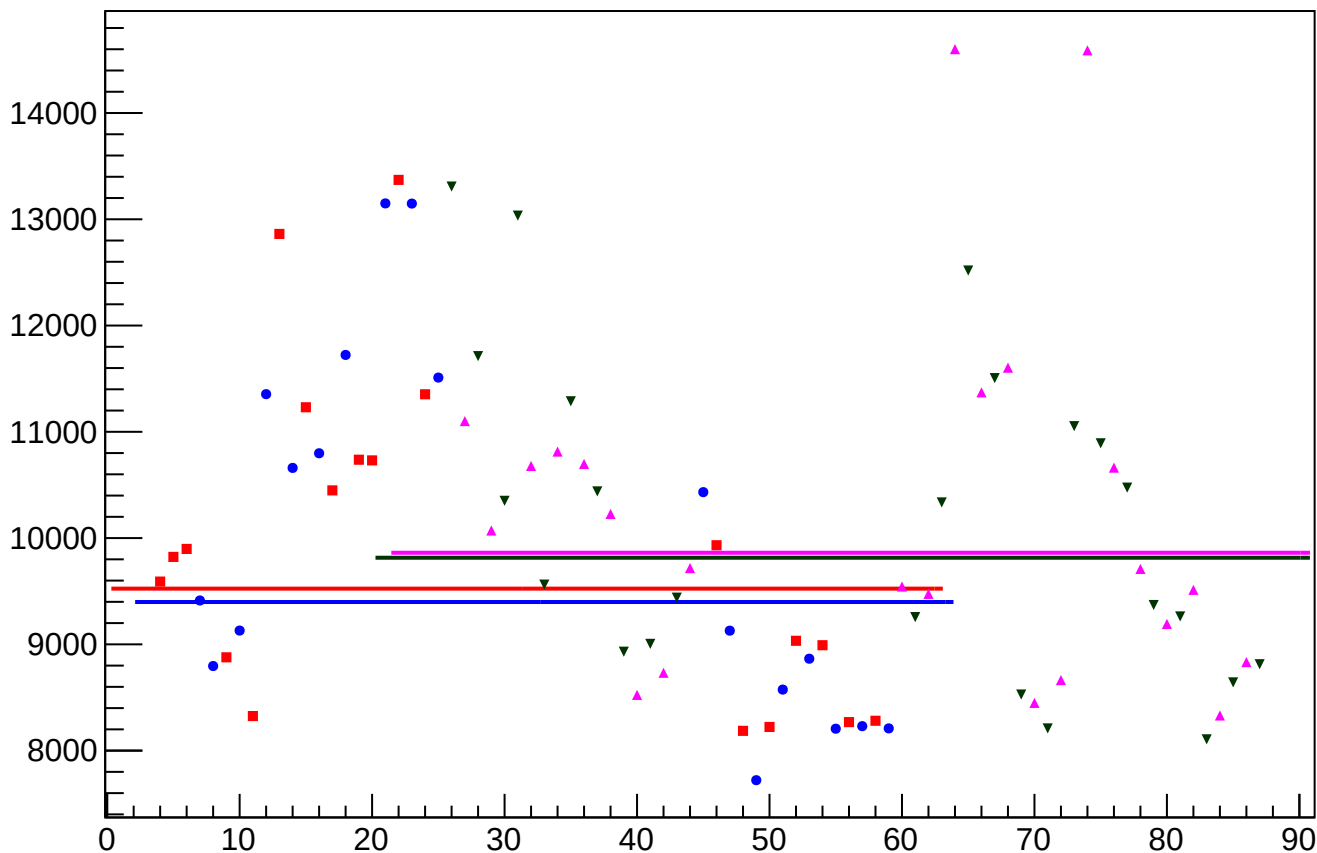
Right Out: -7.752 ± 3.046 $\chi^2/\text{NDF}: 27.5/18$

Left In: 4.801 ± 2.783 $\chi^2/\text{NDF}: 25.9/22$

-3.384 ± 2.010 $\chi^2/\text{NDF}: 77.5/41$

-0.910 ± 2.054 $\chi^2/\text{NDF}: 62.7/41$

diff_bpm4eX_rms vs slug



Right In: 9398.368 $\pm$ 2.003 χ^2 /NDF: 554872.2/17

Left Out: 9815.042 $\pm$ 2.018 χ^2 /NDF:435366.2/23

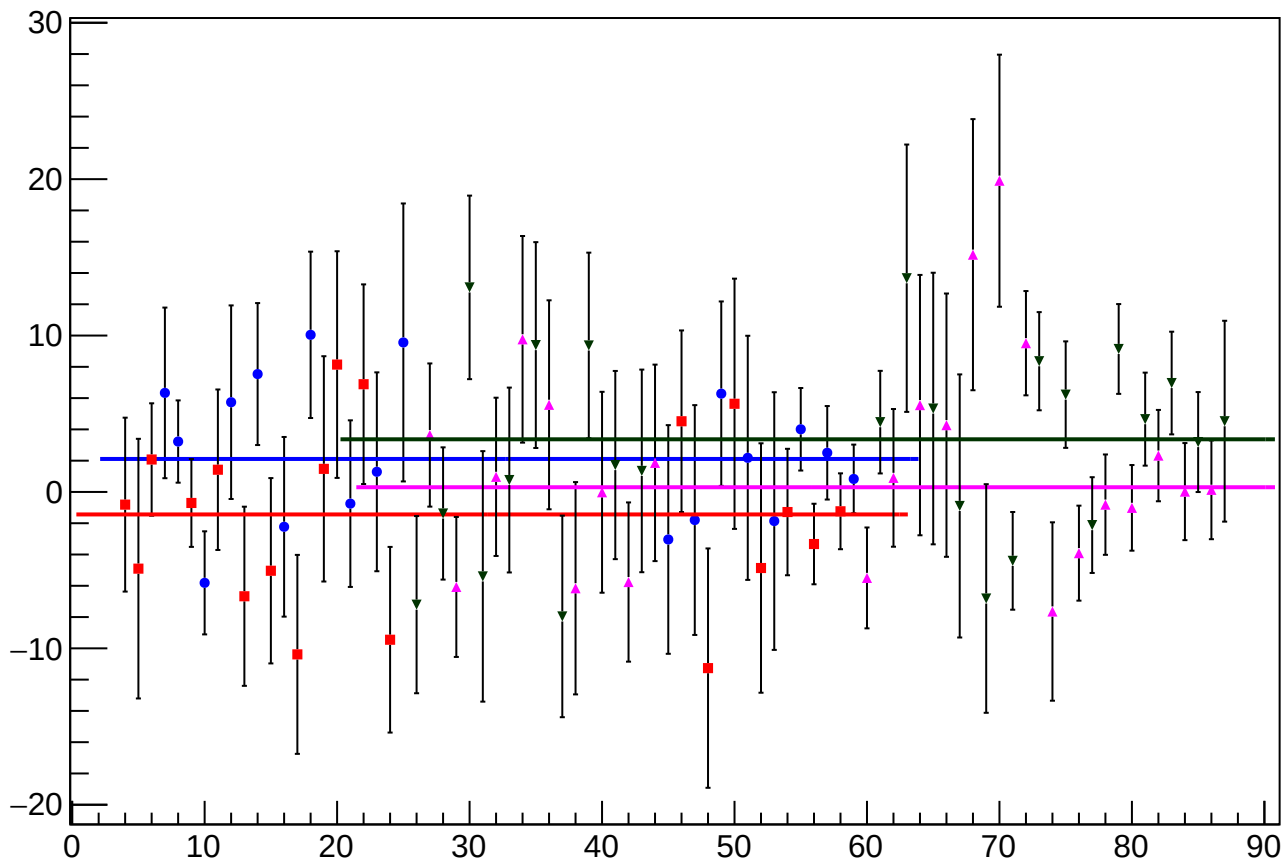
Right Out: 9524.317 $\pm$ 2.154 χ^2 /NDF: 440161.2/18

Left In: 9862.001 $\pm$ 1.968 χ^2 /NDF:457817.3/22

9605.132 $\pm$ 1.422 χ^2 /NDF: 1011717.3/41

9708.358 $\pm$ 1.453 χ^2 /NDF: 911378.5/41

diff_bpm4eY_mean vs slug



Right In: 2.110 ± 0.979 χ^2/NDF : 14.5/17

Left Out: 3.367 ± 0.882 χ^2/NDF : 35.9/23

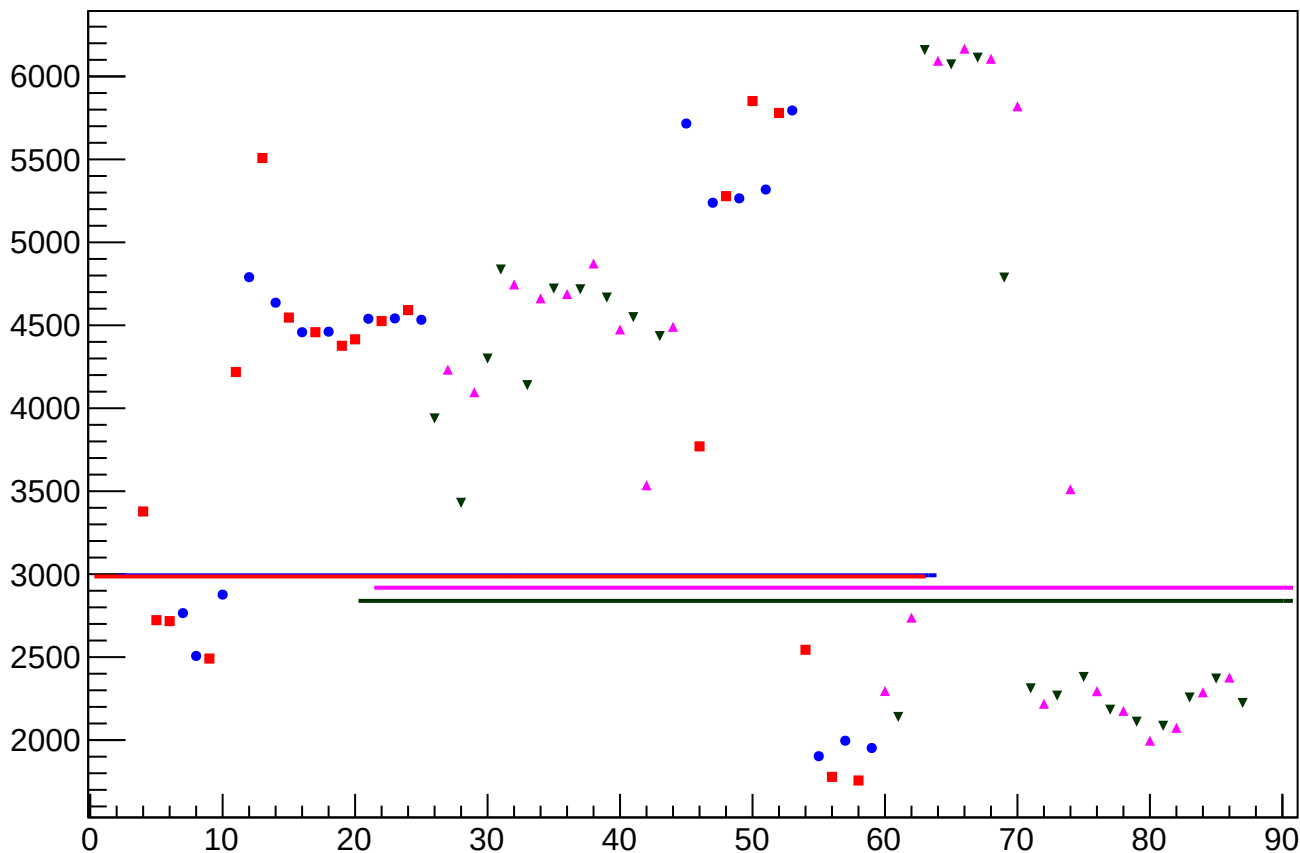
2.804 ± 0.655 χ^2/NDF : 51.3/41

Right Out: -1.438 ± 1.040 χ^2/NDF : 14.4/18

-0.429 ± 0.674 χ^2/NDF : 48.7/41

Left In: 0.301 ± 0.885 χ^2/NDF : 32.7/22

diff_bpm4eY_rms vs slug



Right In: 2993.228 $\pm$ 0.692 χ^2 /NDF: 3318124.3/17

Left Out: 2839.099 $\pm$ 0.623 χ^2 /NDF: 3013547.6/23

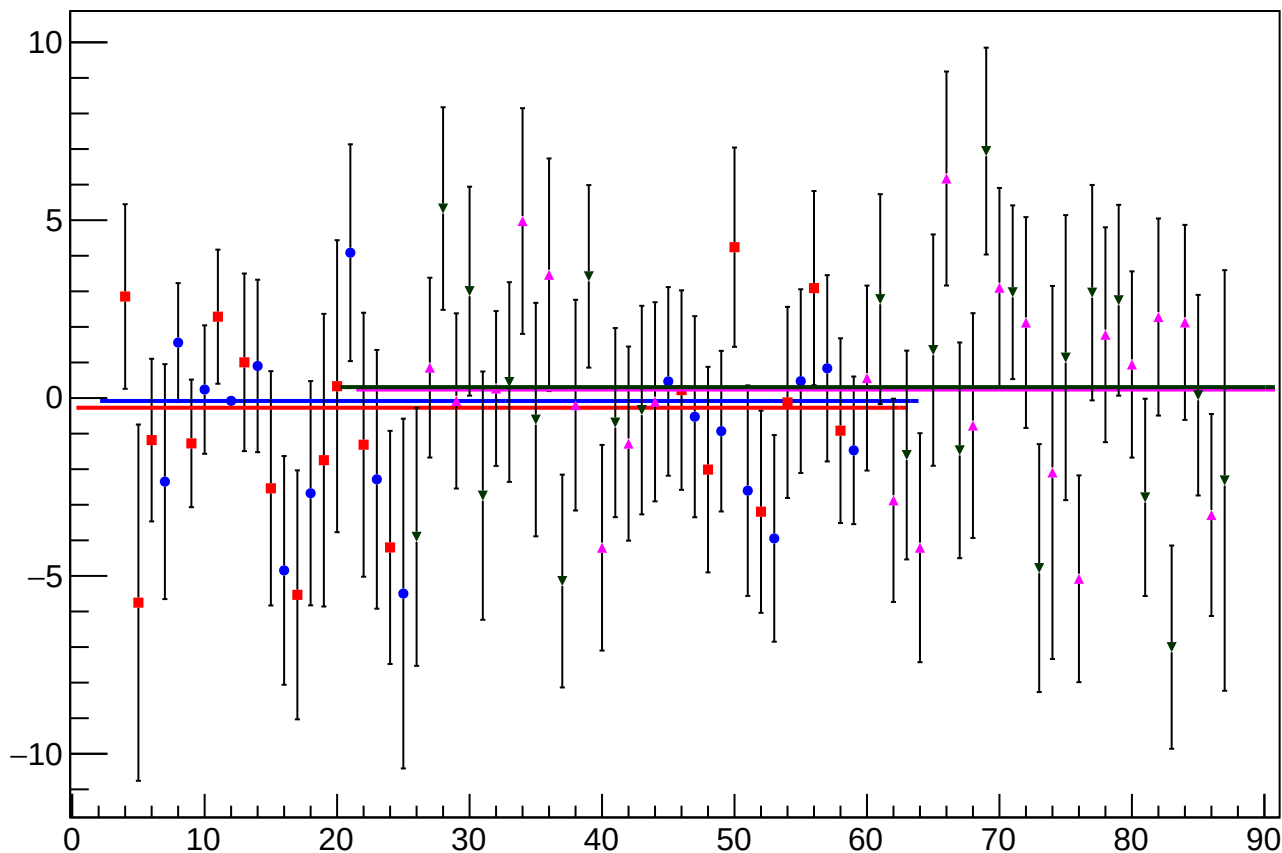
Right Out: 2986.116 $\pm$ 0.736 χ^2 /NDF: 2945634.2/18

Left In: 2918.421 $\pm$ 0.626 χ^2 /NDF: 3315699.6/22

2908.114 $\pm$ 0.463 χ^2 /NDF: 6359041.0/41

2946.830 $\pm$ 0.477 χ^2 /NDF: 6266249.0/41

diff_bpm4acX_mean vs slug



Right In: -0.082 ± 0.060 χ^2/NDF : 11.3/17

Left Out: 0.308 ± 0.613 χ^2/NDF : 30.9/23

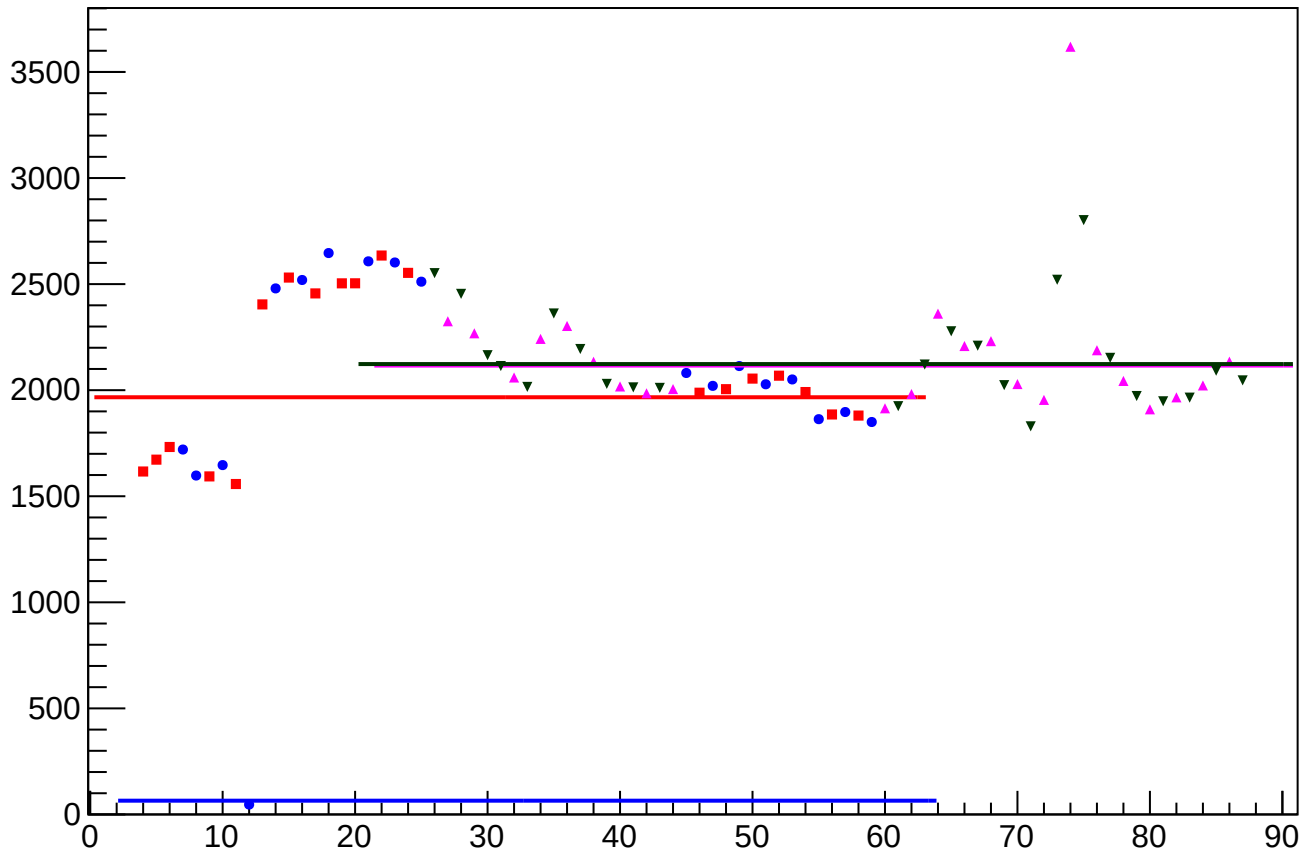
Right Out: -0.272 ± 0.631 χ^2/NDF : 15.3/18

Left In: 0.239 ± 0.594 χ^2/NDF : 21.0/22

-0.078 ± 0.060 χ^2/NDF : 42.5/41

-0.001 ± 0.432 χ^2/NDF : 36.6/41

diff_bpm4acX_rms vs slug



Right In: 64.916+/-0.042 χ^2/NDF : 20258480.2/17

Left Out: 2123.075+/-0.434 χ^2/NDF : 230000.1/23

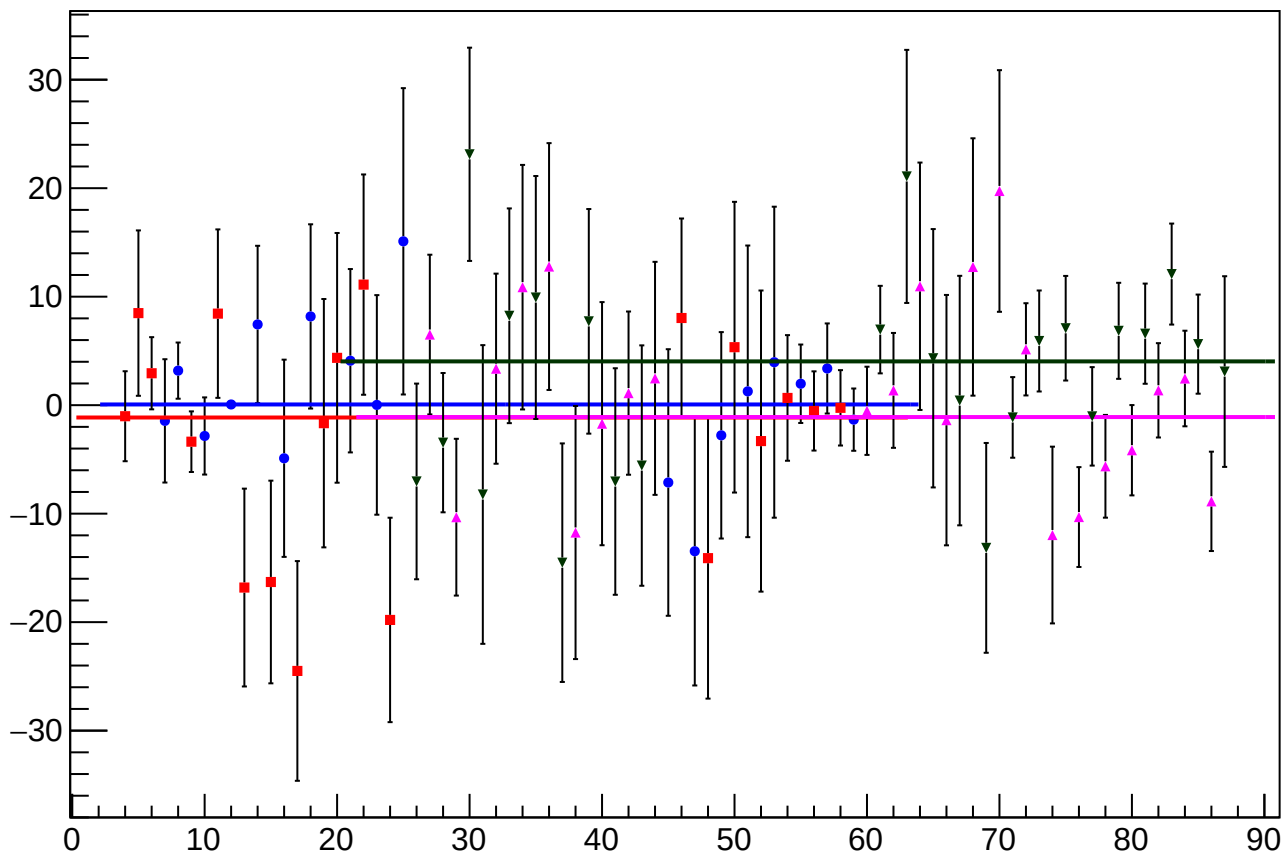
Right Out: 1966.634+/-0.446 χ^2/NDF : 610680.3/18

Left In: 2115.872+/-0.420 χ^2/NDF : 270200.1/22

84.451+/-0.042 χ^2/NDF : 42796969.9/41

2045.826+/-0.306 χ^2/NDF : 940205.1/41

diff_bpm4acY_mean vs slug



Right In: 0.065 ± 0.052 χ^2/NDF : 8.7/17

Left Out: 4.035 ± 1.276 χ^2/NDF : 26.2/23

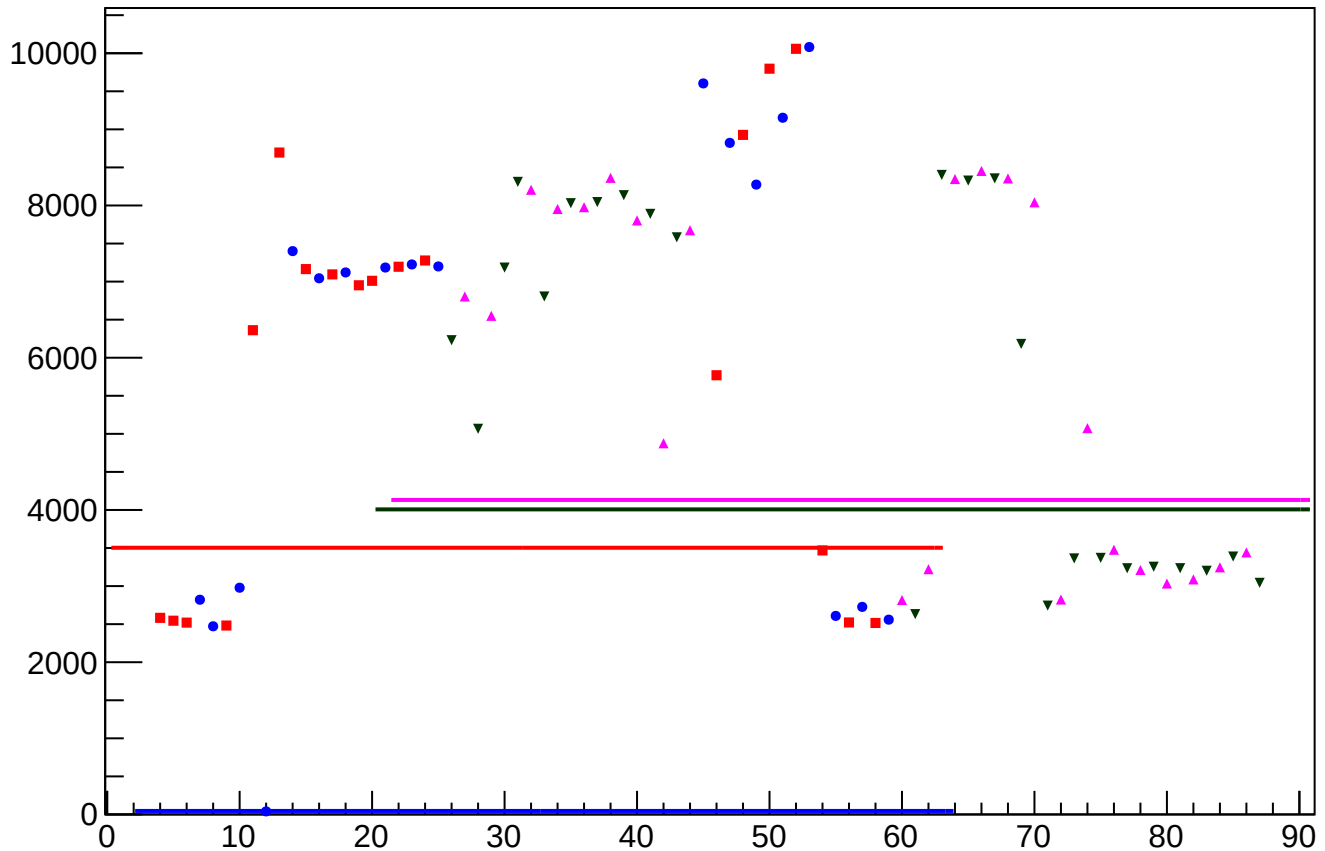
0.072 ± 0.052 χ^2/NDF : 44.6/41

Right Out: -1.137 ± 1.295 χ^2/NDF : 24.2/18

Left In: -1.096 ± 1.284 χ^2/NDF : 26.1/22

-1.116 ± 0.912 χ^2/NDF : 50.3/41

diff_bpm4acY_rms vs slug



Right In: 46.257+/-0.037 χ^2/NDF : 20176828.9/17

Left Out: 4007.547+/-0.902 χ^2/NDF :3834325.2/23

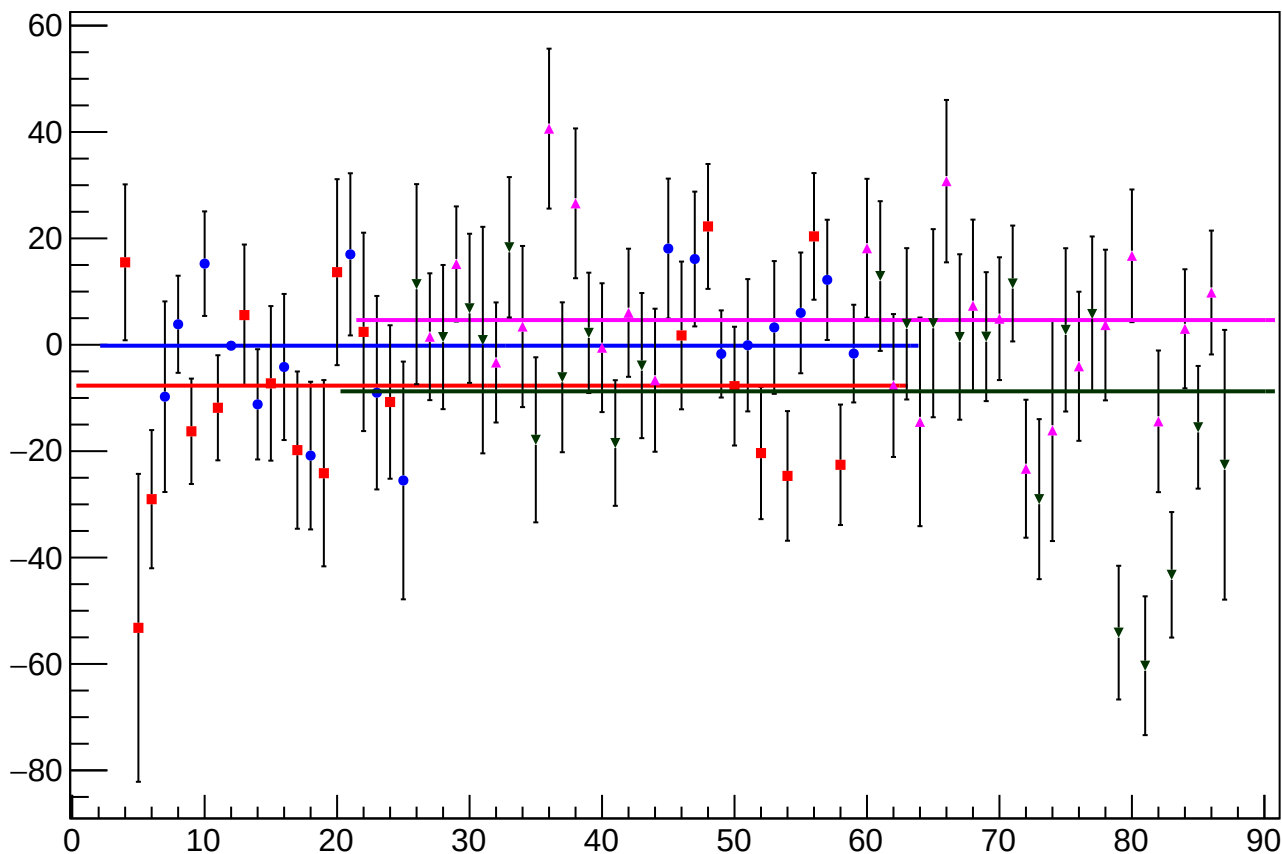
52.848+/-0.037 χ^2/NDF : 43265488.1/41

Right Out: 3503.720+/-0.916 χ^2/NDF : 4669685.2/18

3820.484+/-0.645 χ^2/NDF : 9036495.7/41

Left In: 4131.795+/-0.908 χ^2/NDF :4129625.6/22

diff_bpm4ecX_mean vs slug



Right In: -0.174 ± 0.106 $\chi^2/\text{NDF}: 14.4/17$

Left Out: -8.750 ± 2.825 $\chi^2/\text{NDF}: 59.0/23$

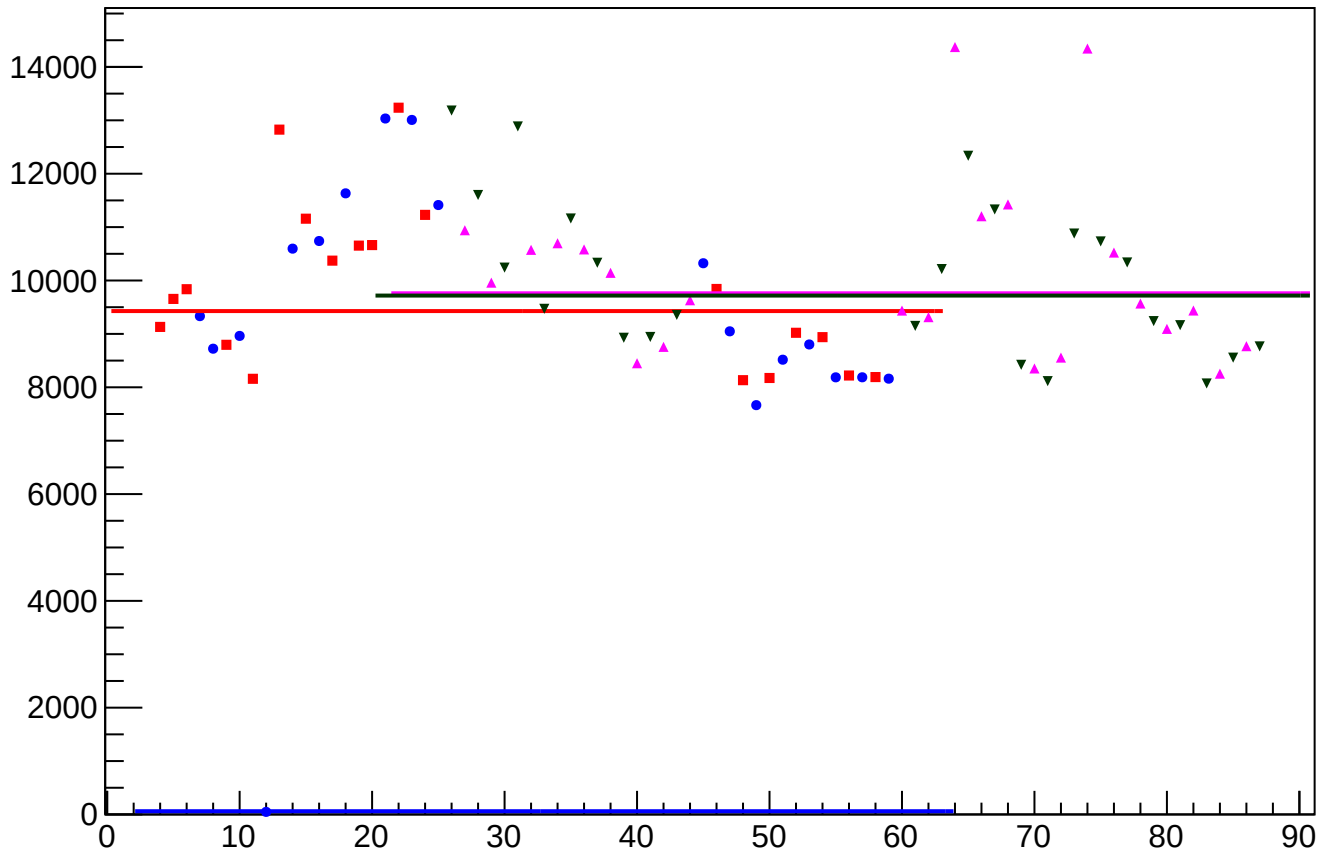
Right Out: -7.679 ± 3.015 $\chi^2/\text{NDF}: 30.2/18$

Left In: 4.644 ± 2.753 $\chi^2/\text{NDF}: 25.6/22$

-0.186 ± 0.106 $\chi^2/\text{NDF}: 82.6/41$

-0.959 ± 2.033 $\chi^2/\text{NDF}: 65.0/41$

diff_bpm4ecX_rms vs slug



Right In: 60.738 $\pm$ 0.075 χ^2 /NDF: 21121924.5/17

Left Out: 9717.893 $\pm$ 1.998 χ^2 /NDF: 425359.8/23

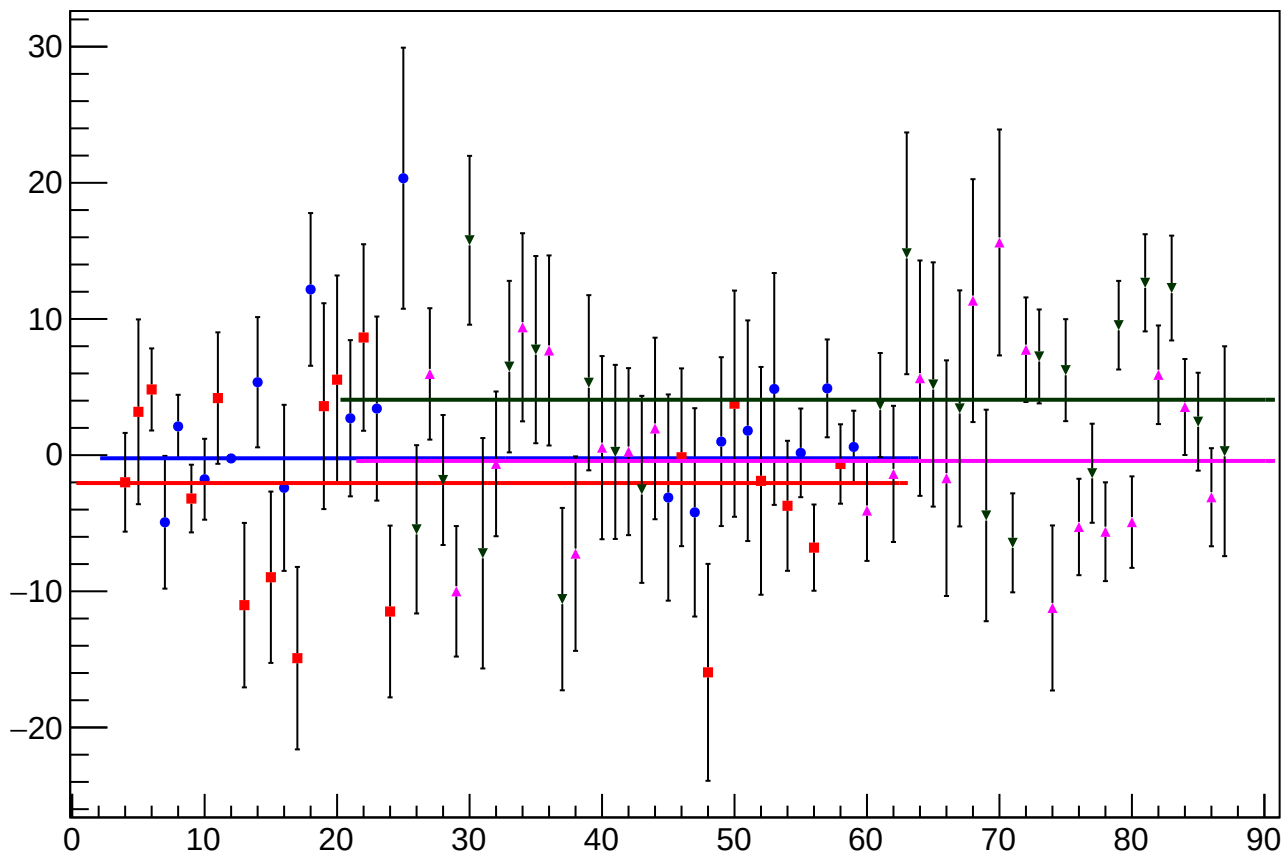
Right Out: 9427.549 $\pm$ 2.132 χ^2 /NDF: 447350.4/18

Left In: 9760.567 $\pm$ 1.947 χ^2 /NDF: 444274.9/22

74.434 $\pm$ 0.075 χ^2 /NDF: 44878966.8/41

9609.154 $\pm$ 1.438 χ^2 /NDF: 904927.3/41

diff_bpm4ecY_mean vs slug



Right In: -0.230 ± 0.090 χ^2/NDF : 16.8/17

Left Out: 4.068 ± 0.993 χ^2/NDF : 43.8/23

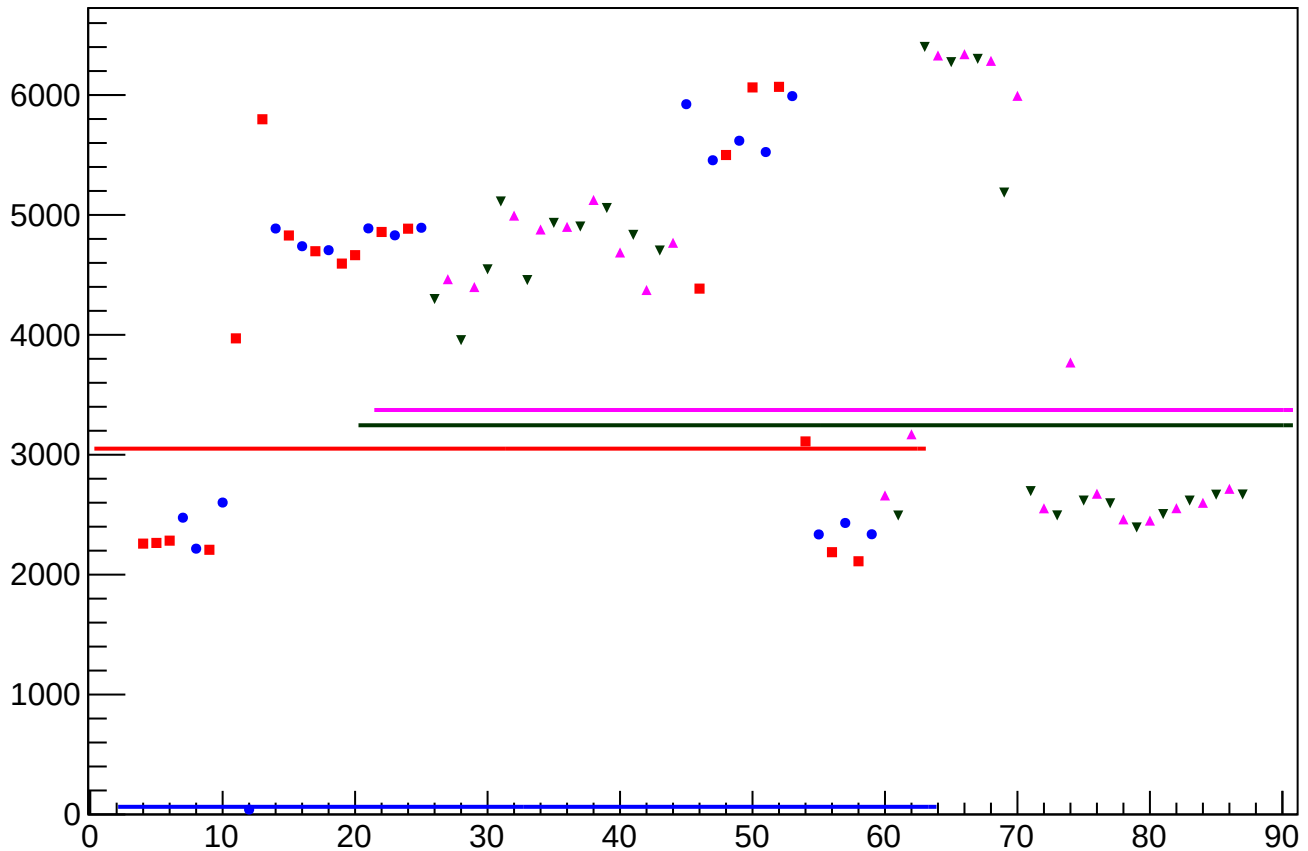
Right Out: -2.049 ± 1.055 χ^2/NDF : 27.2/18

Left In: -0.425 ± 1.003 χ^2/NDF : 35.5/22

-0.195 ± 0.089 χ^2/NDF : 79.2/41

-1.196 ± 0.727 χ^2/NDF : 63.9/41

diff_bpm4ecY_rms vs slug



Right In: 63.702 $\pm$ 0.064 χ^2 /NDF: 20268366.8/17

Left Out: 3245.842 $\pm$ 0.702 χ^2 /NDF: 2508732.1/23

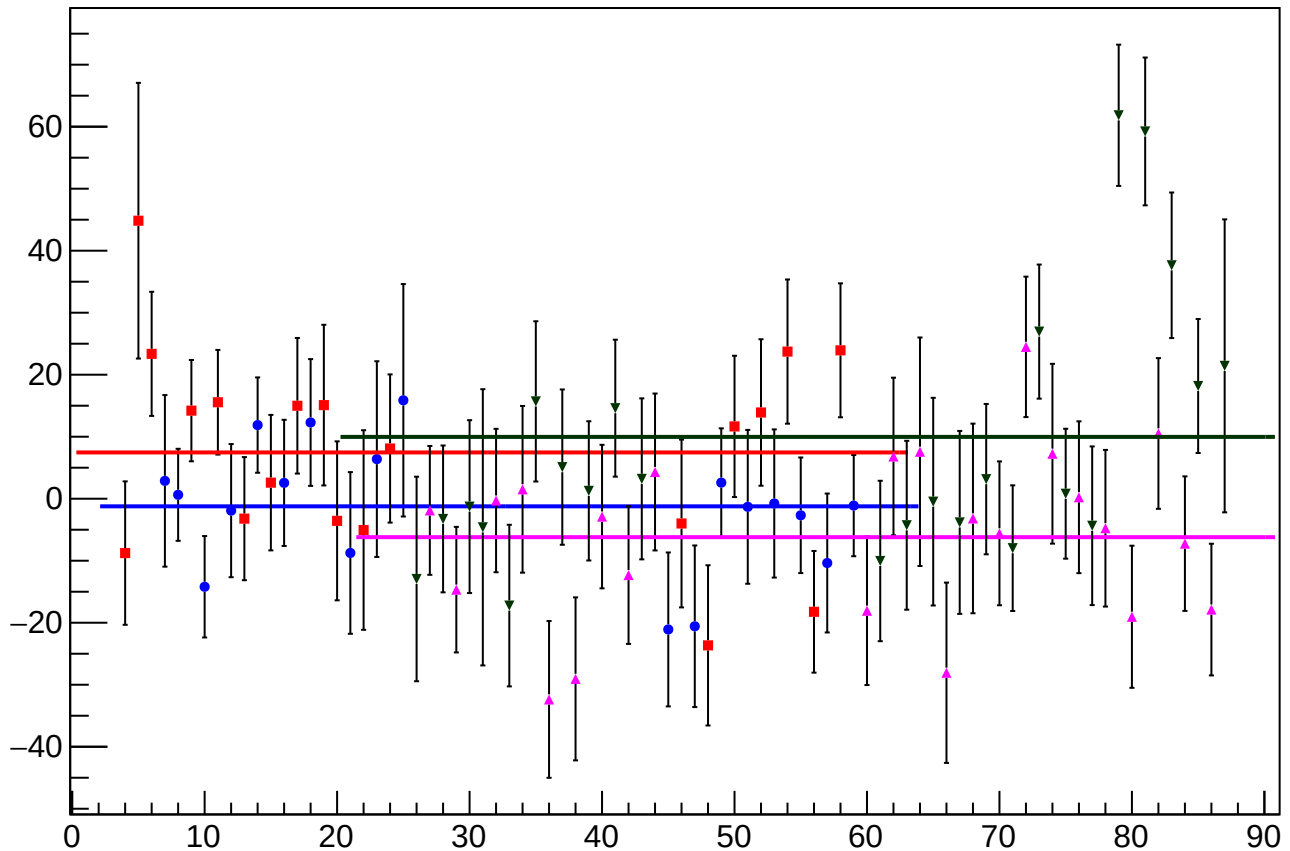
Right Out: 3050.872 $\pm$ 0.746 χ^2 /NDF: 2882138.2/18

Left In: 3373.209 $\pm$ 0.709 χ^2 /NDF: 2587242.8/22

89.512 $\pm$ 0.063 χ^2 /NDF: 43129648.5/41

3220.262 $\pm$ 0.514 χ^2 /NDF: 5567416.1/41

diff_bpm1X_mean vs slug



Right In: -1.229 ± 2.430 χ^2/NDF : 14.5/17

Left Out: 9.972 ± 2.578 χ^2/NDF : 66.9/23

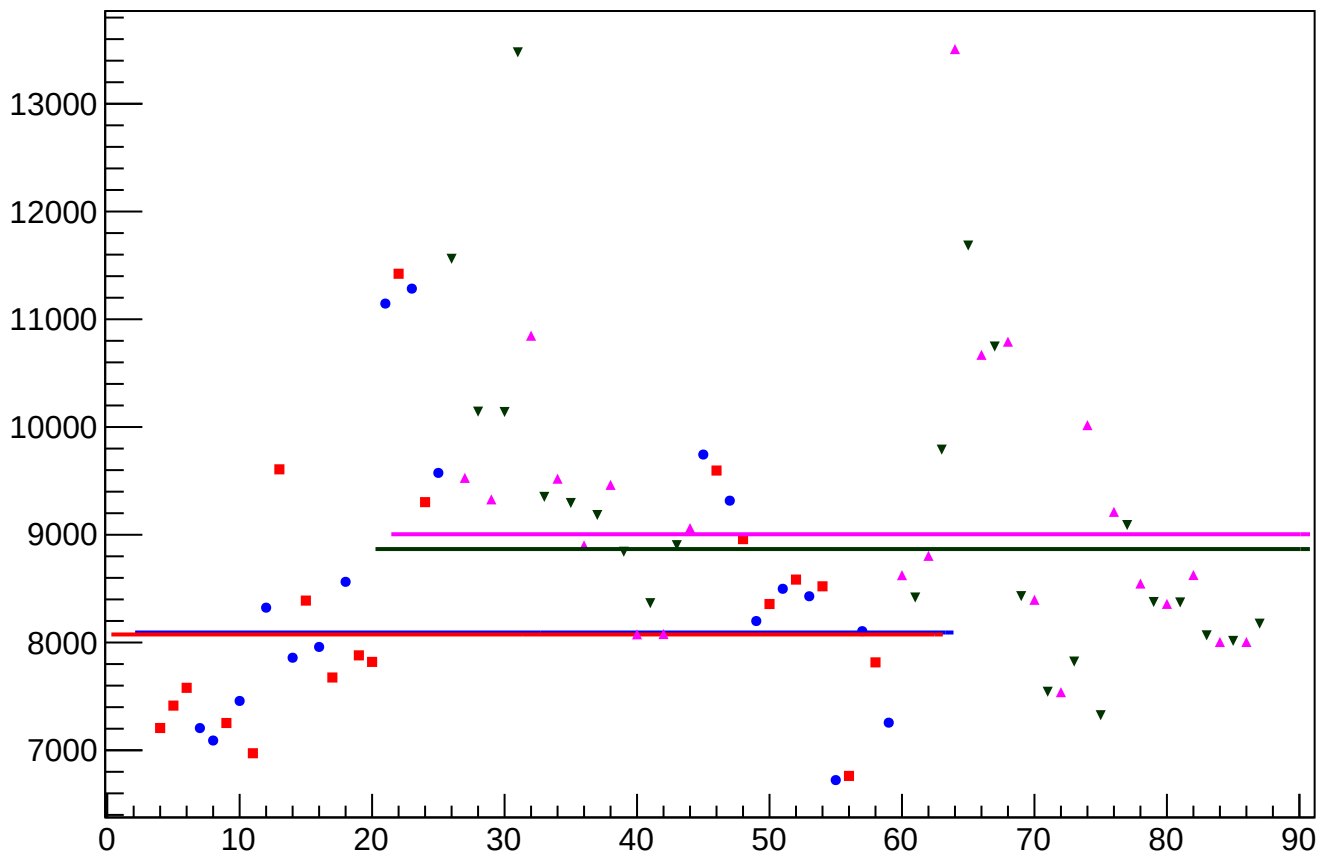
Right Out: 7.465 ± 2.574 χ^2/NDF : 30.5/18

Left In: -6.200 ± 2.535 χ^2/NDF : 27.6/22

4.043 ± 1.768 χ^2/NDF : 91.4/41

0.527 ± 1.806 χ^2/NDF : 72.4/41

diff_bpm1X_rms vs slug



Right In: 8092.852 ± 1.719 $\chi^2/\text{NDF}: 389353.1/17$

Left Out: 8867.364 ± 1.823 $\chi^2/\text{NDF}: 419939.7/23$

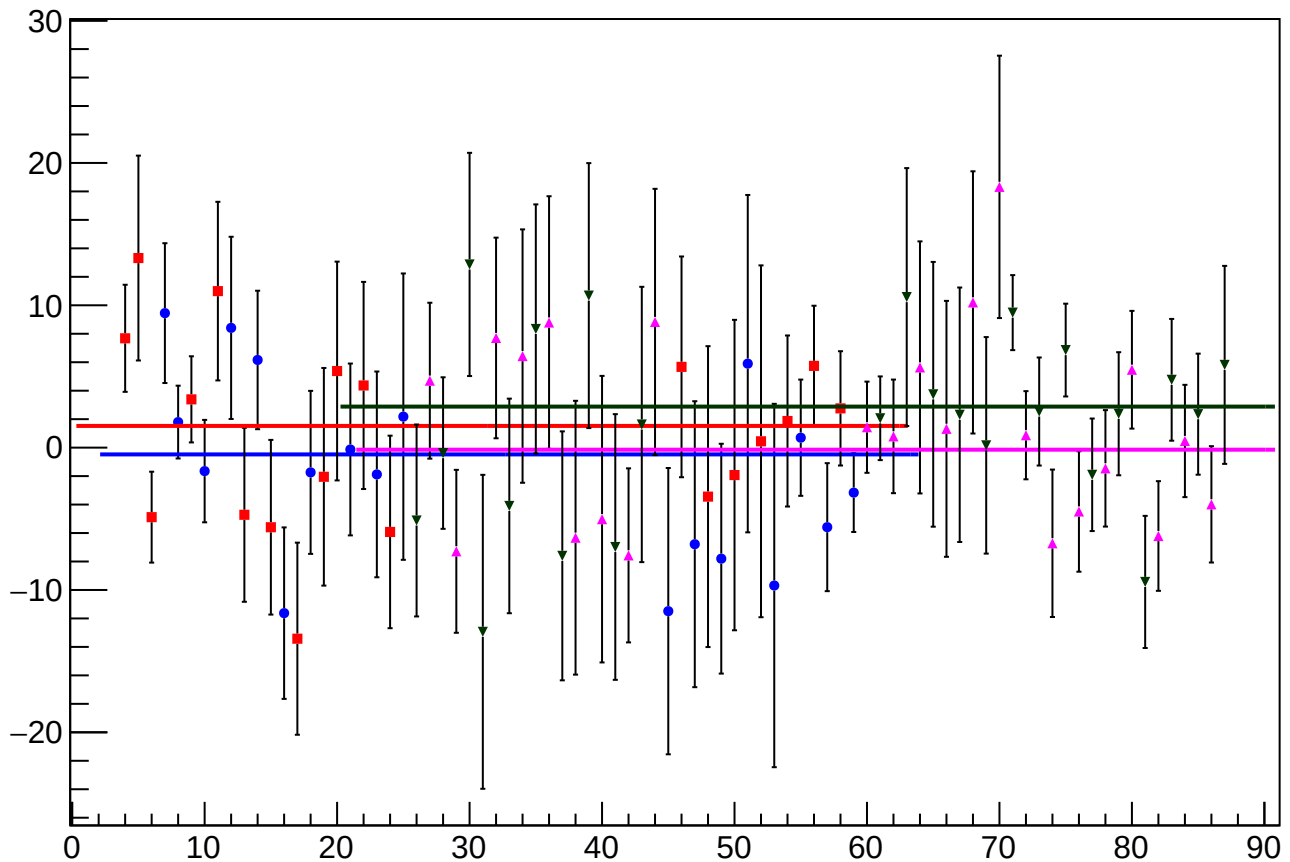
Right Out: 8074.654 ± 1.820 $\chi^2/\text{NDF}: 312658.9/18$

Left In: 9004.832 ± 1.792 $\chi^2/\text{NDF}: 360693.4/22$

8457.343 ± 1.250 $\chi^2/\text{NDF}: 904875.2/41$

8546.903 ± 1.277 $\chi^2/\text{NDF}: 805971.8/41$

diff_bpm1Y_mean vs slug



Right In: -0.476 ± 1.161 $\chi^2/\text{NDF}: 17.9/17$

Left Out: 2.883 ± 1.037 $\chi^2/\text{NDF}: 27.6/23$

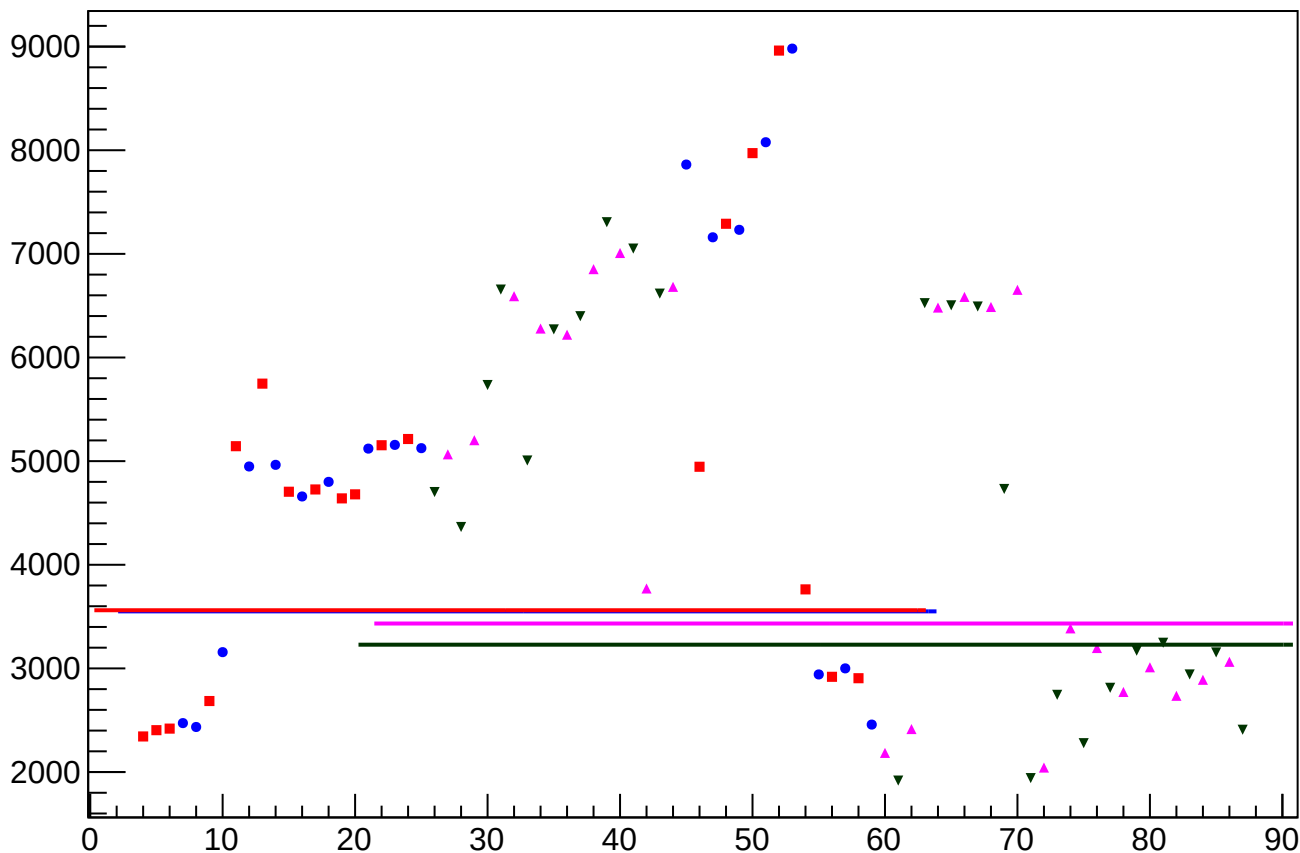
Right Out: 1.525 ± 1.232 $\chi^2/\text{NDF}: 22.9/18$

Left In: -0.145 ± 1.063 $\chi^2/\text{NDF}: 22.3/22$

1.393 ± 0.773 $\chi^2/\text{NDF}: 50.2/41$

0.569 ± 0.805 $\chi^2/\text{NDF}: 46.3/41$

diff_bpm1Y_rms vs slug



Right In: 3550.424+/-0.821 χ^2/NDF : 3293988.0/17

Left Out: 3228.918+/-0.733 χ^2/NDF : 4159019.8/23

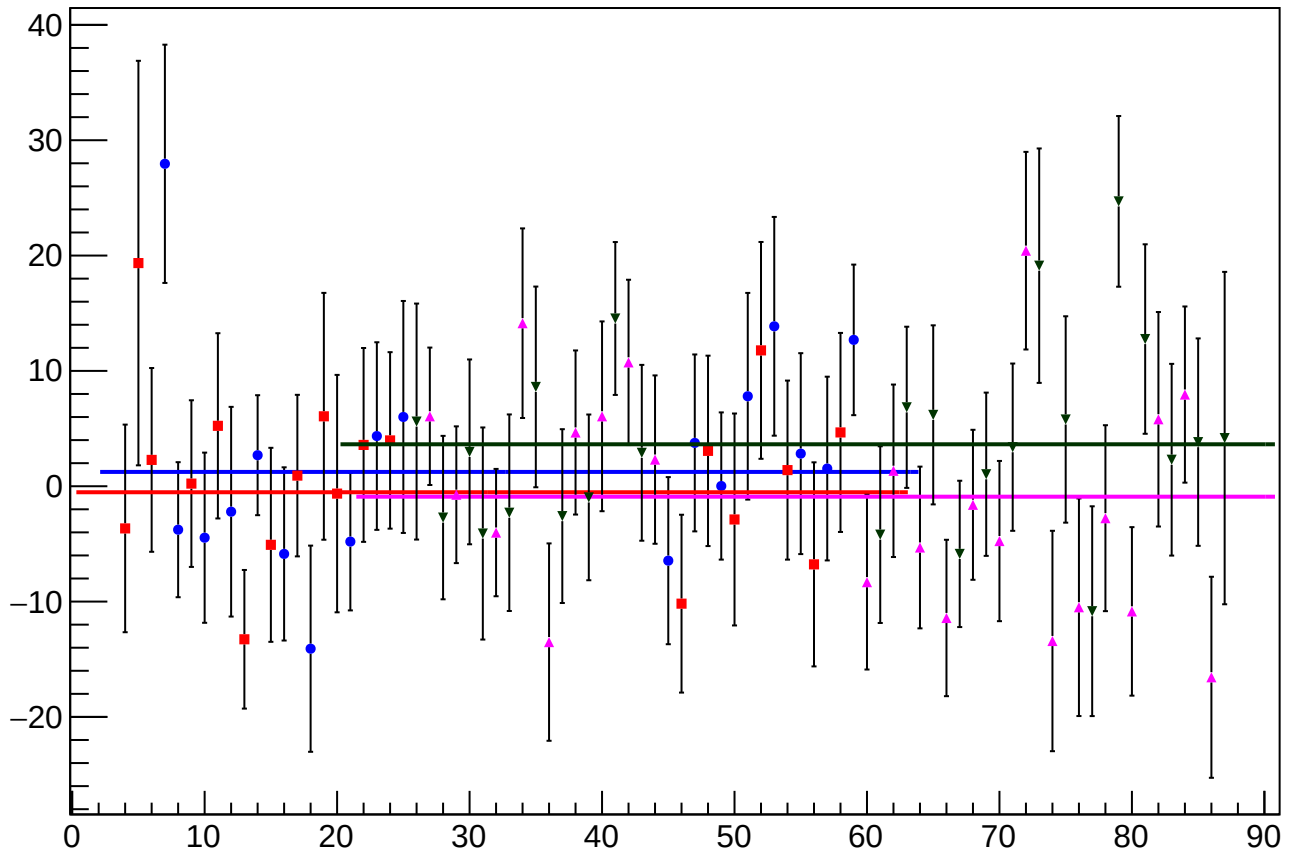
Right Out: 3561.233+/-0.871 χ^2/NDF : 2618224.4/18

Left In: 3433.200+/-0.752 χ^2/NDF : 3907761.8/22

3371.501+/-0.547 χ^2/NDF : 7538328.6/41

3487.873+/-0.569 χ^2/NDF : 6538366.6/41

diff_bpm11X_mean vs slug



Right In: 1.242 ± 1.752 χ^2/NDF : 20.2/17

Left Out: 3.638 ± 1.627 χ^2/NDF : 24.2/23

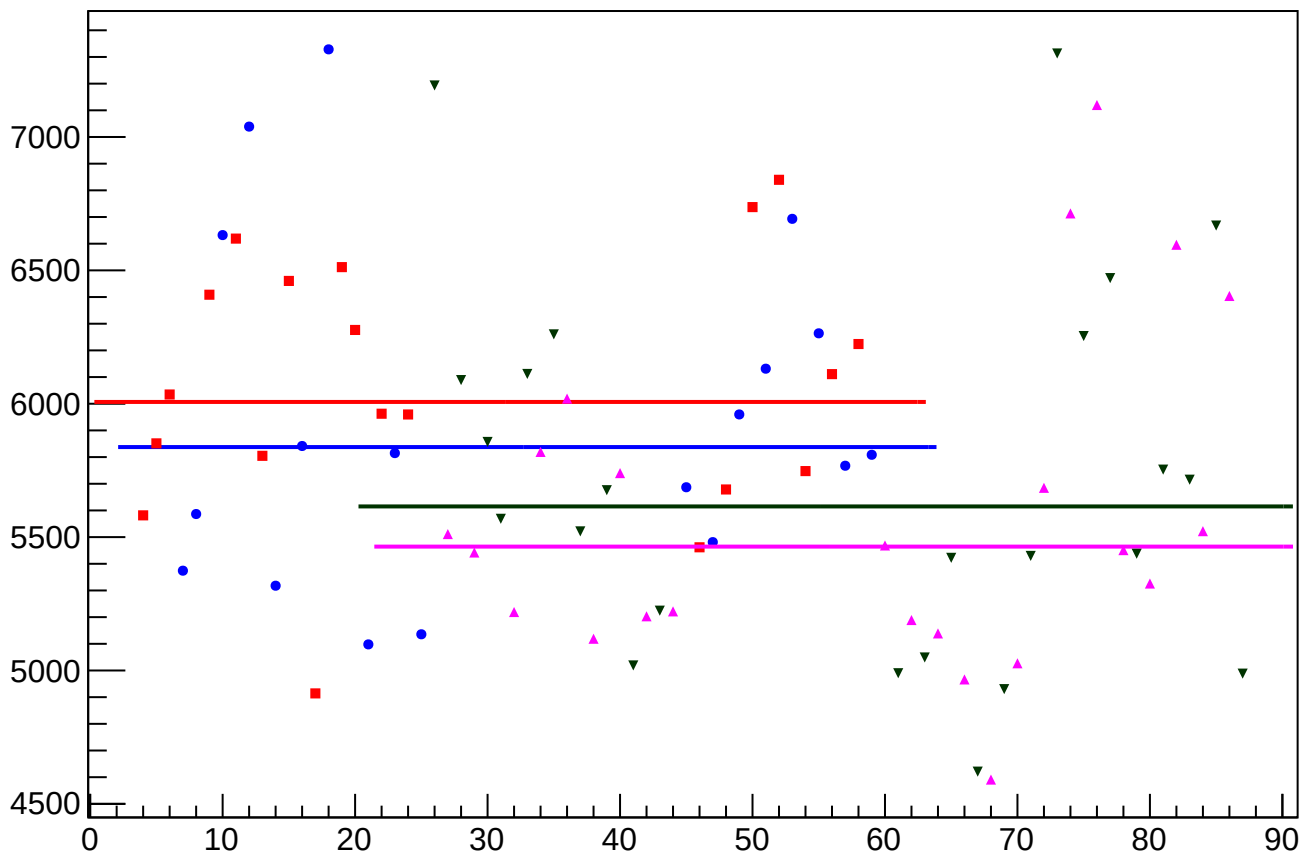
2.528 ± 1.192 χ^2/NDF : 45.4/41

Right Out: -0.521 ± 1.907 χ^2/NDF : 12.3/18

-0.755 ± 1.196 χ^2/NDF : 43.8/41

Left In: -0.906 ± 1.535 χ^2/NDF : 31.5/22

diff_bpm11X_rms vs slug



Right In: 5837.587 $\pm$ 1.239 χ^2 /NDF: 211311.8/17

Left Out: 5615.023 $\pm$ 1.150 χ^2 /NDF:311914.8/23

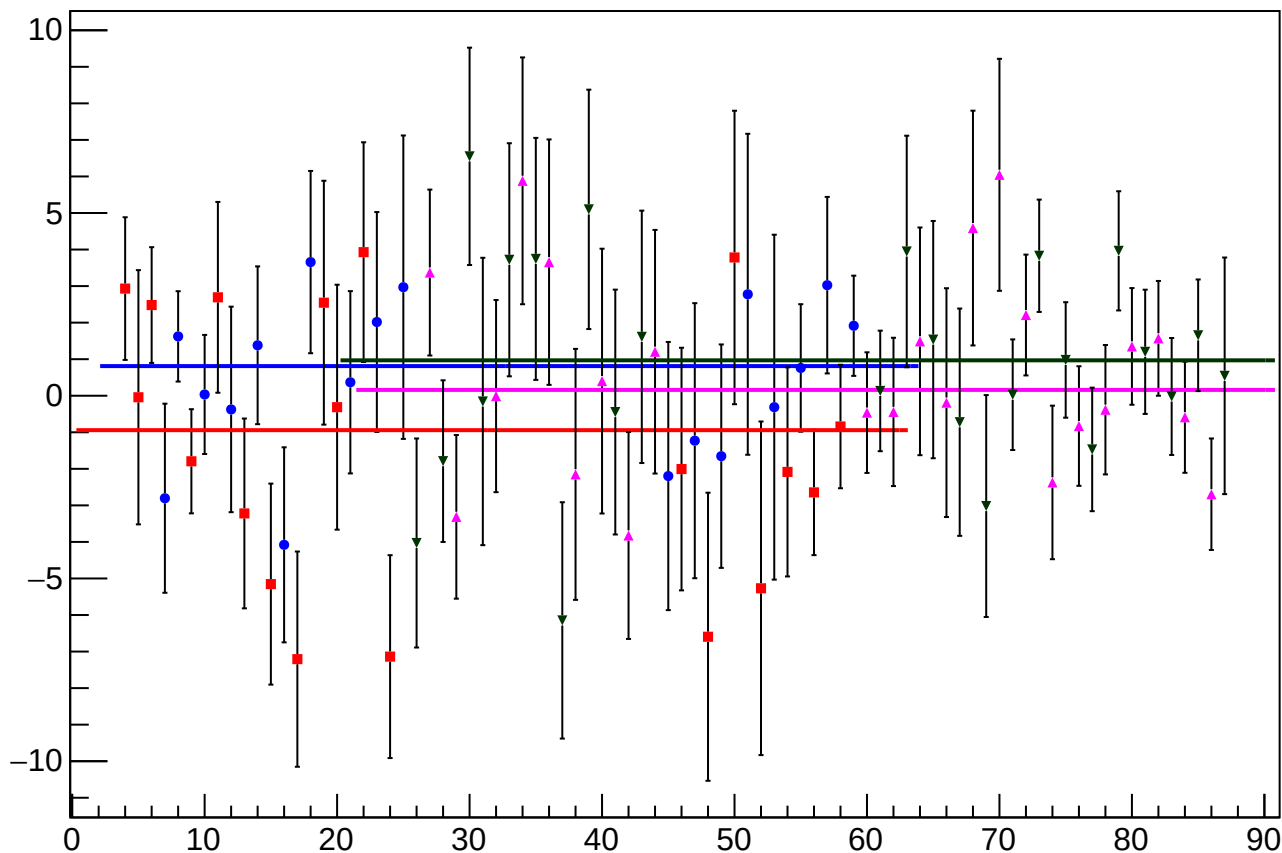
Right Out: 6006.736 $\pm$ 1.348 χ^2 /NDF: 130455.1/18

Left In: 5464.423 $\pm$ 1.086 χ^2 /NDF:240704.9/22

5718.109 $\pm$ 0.843 χ^2 /NDF: 540562.1/41

5677.743 $\pm$ 0.846 χ^2 /NDF: 469332.8/41

diff_bpm11Y_mean vs slug



Right In: 0.811 ± 0.532 χ^2/NDF : 11.3/17

Left Out: 0.969 ± 0.444 χ^2/NDF : 29.4/23

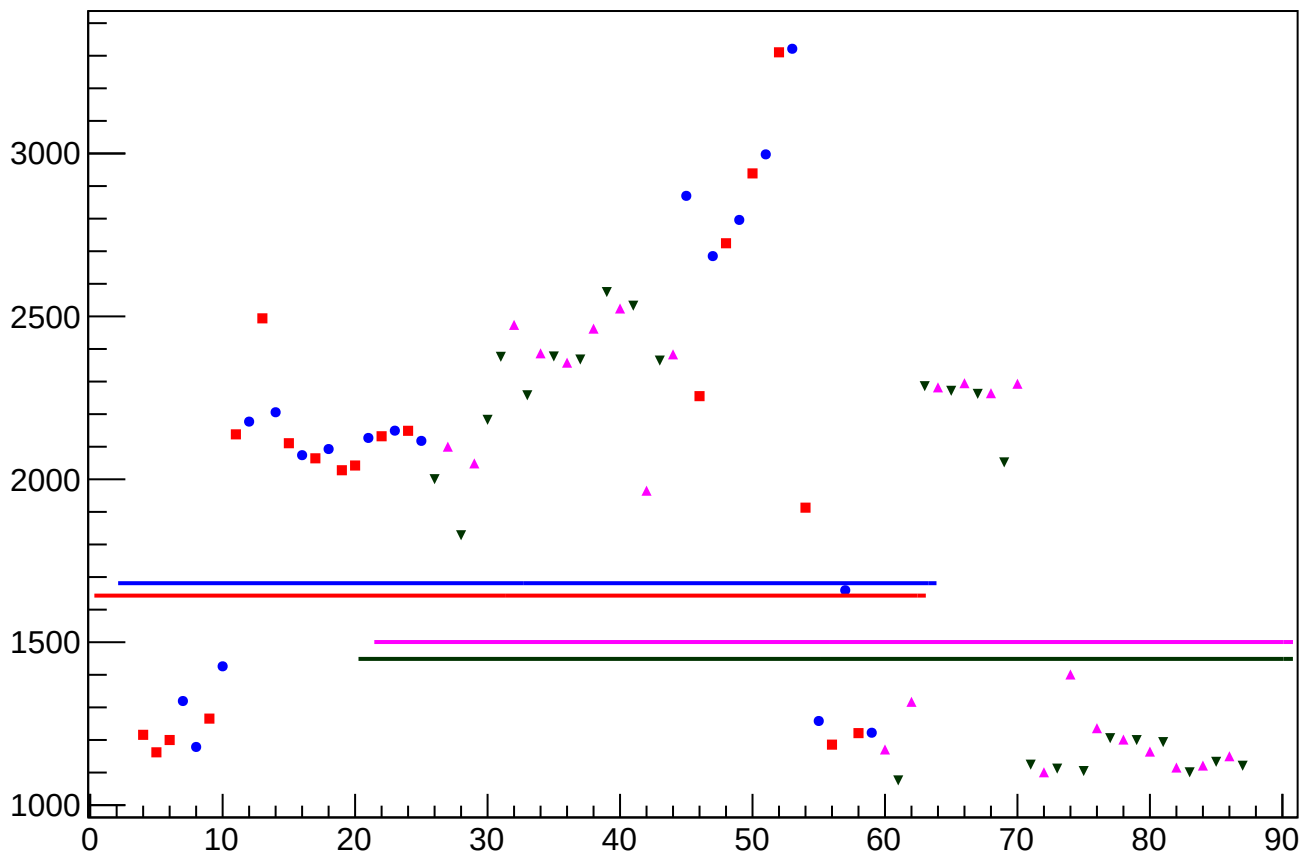
Right Out: -0.942 ± 0.553 χ^2/NDF : 32.9/18

Left In: 0.159 ± 0.445 χ^2/NDF : 25.2/22

0.904 ± 0.341 χ^2/NDF : 40.8/41

-0.274 ± 0.347 χ^2/NDF : 60.6/41

diff_bpm11Y_rms vs slug



Right In: 1681.167 $\pm$ 0.376 χ^2 /NDF: 2212913.1/17

Left Out: 1448.813 $\pm$ 0.314 χ^2 /NDF: 2603316.7/23

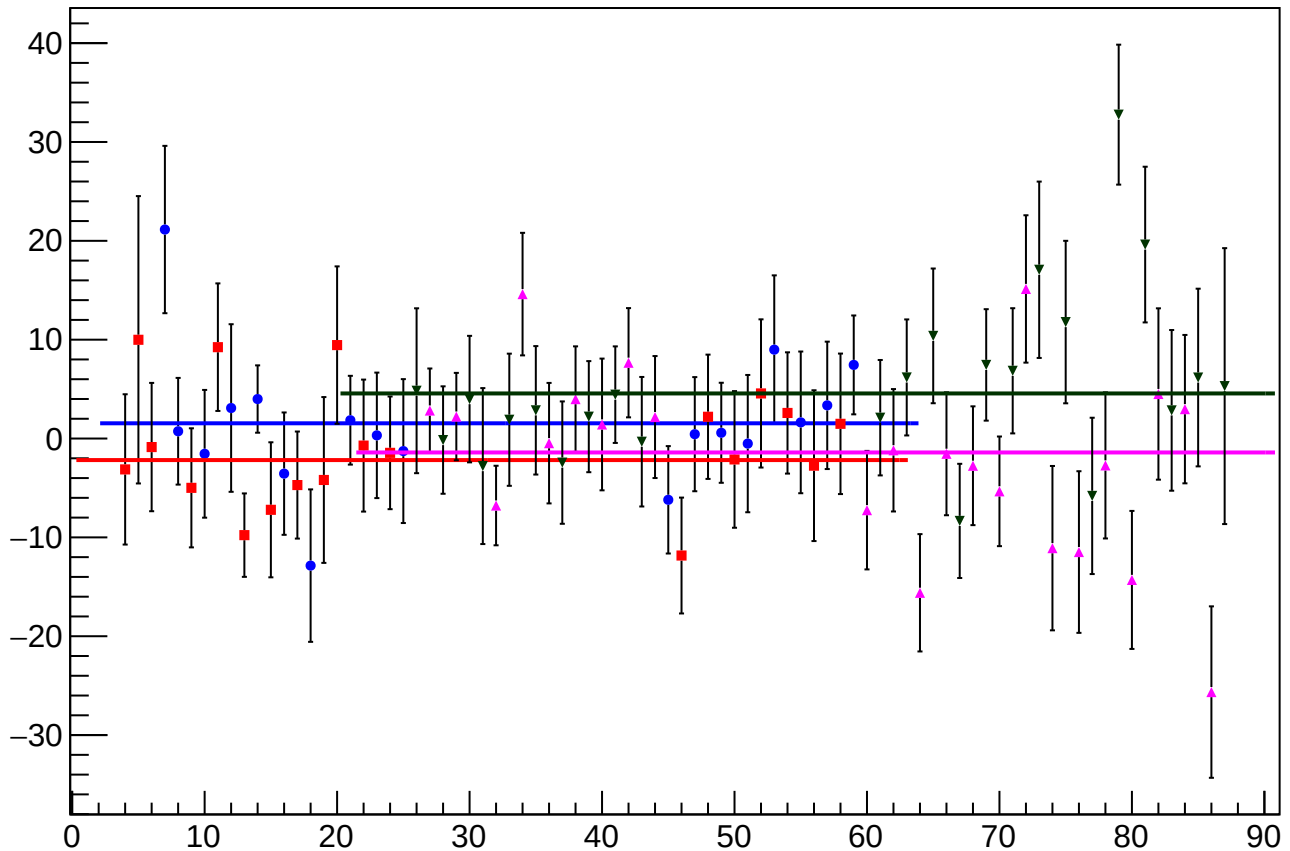
Right Out: 1643.071 $\pm$ 0.391 χ^2 /NDF: 1969332.5/18

Left In: 1500.601 $\pm$ 0.315 χ^2 /NDF: 2571508.2/22

1544.142 $\pm$ 0.241 χ^2 /NDF: 5041186.2/41

1556.664 $\pm$ 0.245 χ^2 /NDF: 4621482.6/41

diff_bpm12X_mean vs slug



Right In: 1.541 ± 1.369 χ^2/NDF : 15.2/17

Left Out: 4.561 ± 1.366 χ^2/NDF : 34.3/23

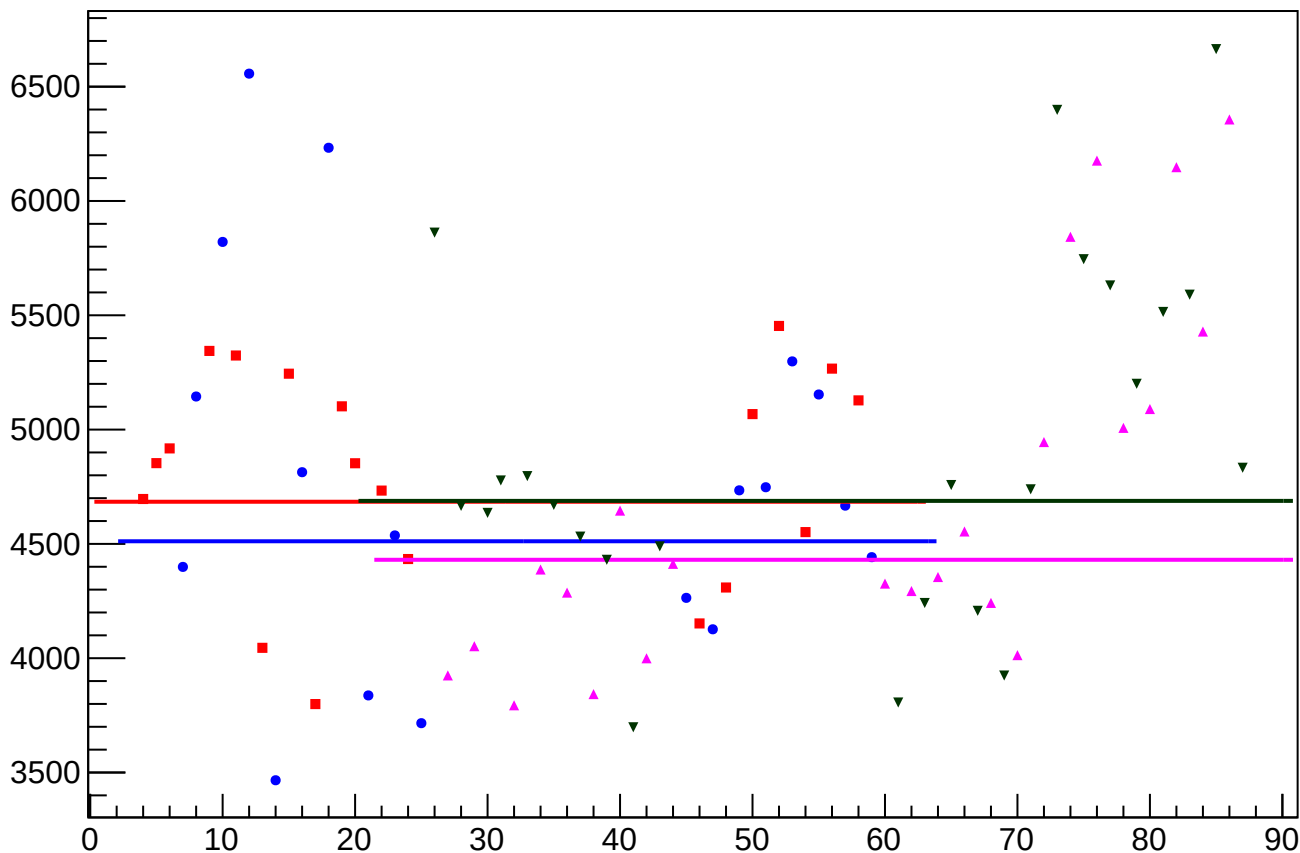
Right Out: -2.180 ± 1.492 χ^2/NDF : 15.2/18

Left In: -1.410 ± 1.253 χ^2/NDF : 41.5/22

3.055 ± 0.967 χ^2/NDF : 51.9/41

-1.728 ± 0.960 χ^2/NDF : 56.9/41

diff_bpm12X_rms vs slug



Right In: 4511.494+/-0.968 χ^2/NDF : 646999.1/17

Left Out: 4688.137+/-0.966 χ^2/NDF : 527292.4/23

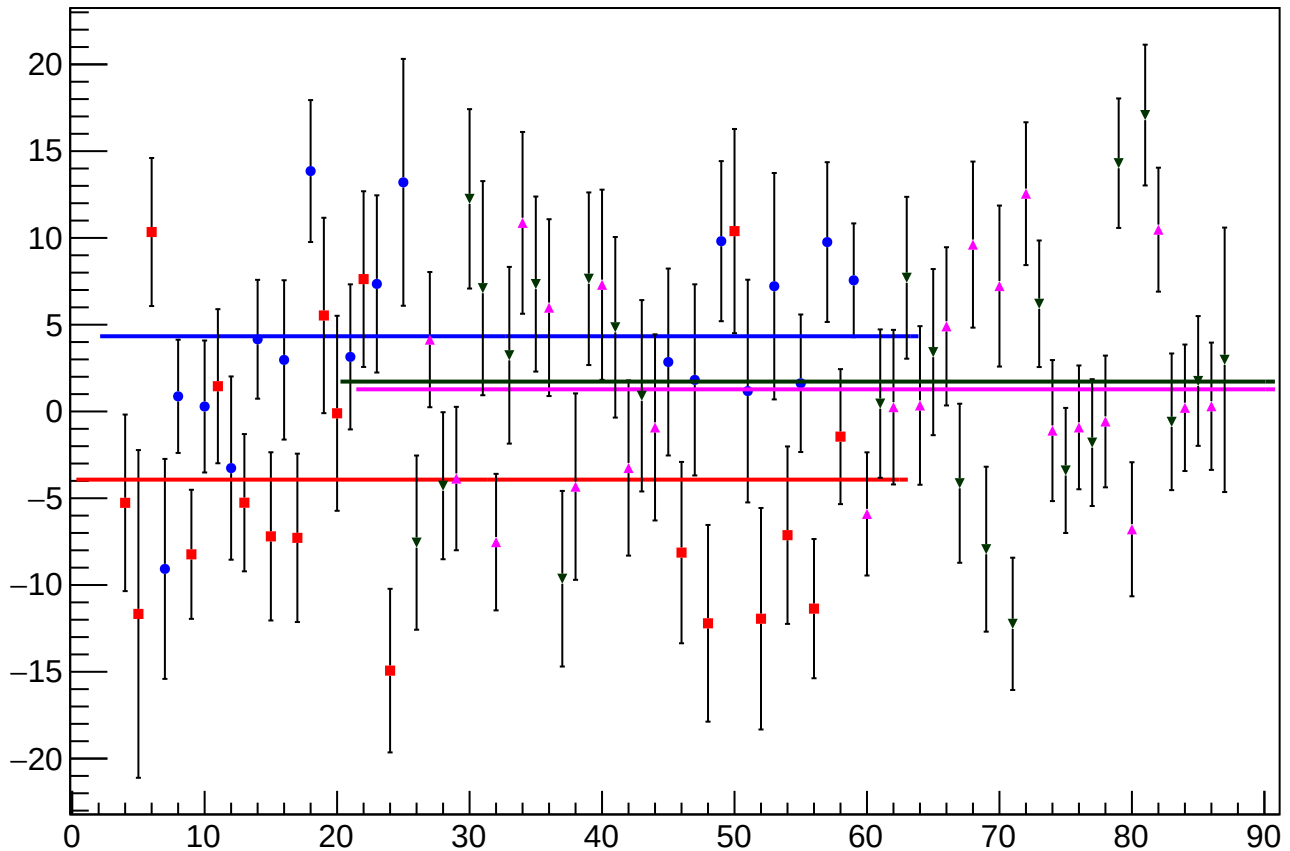
Right Out: 4684.391+/-1.055 χ^2/NDF : 240230.9/18

Left In: 4430.515+/-0.886 χ^2/NDF : 549750.7/22

4600.039+/-0.684 χ^2/NDF : 1190978.1/41

4535.492+/-0.679 χ^2/NDF : 823924.0/41

diff_bpm12Y_mean vs slug



Right In: 4.334 ± 1.055 χ^2/NDF : 21.3/17

Left Out: 1.723 ± 0.911 χ^2/NDF : 70.1/23

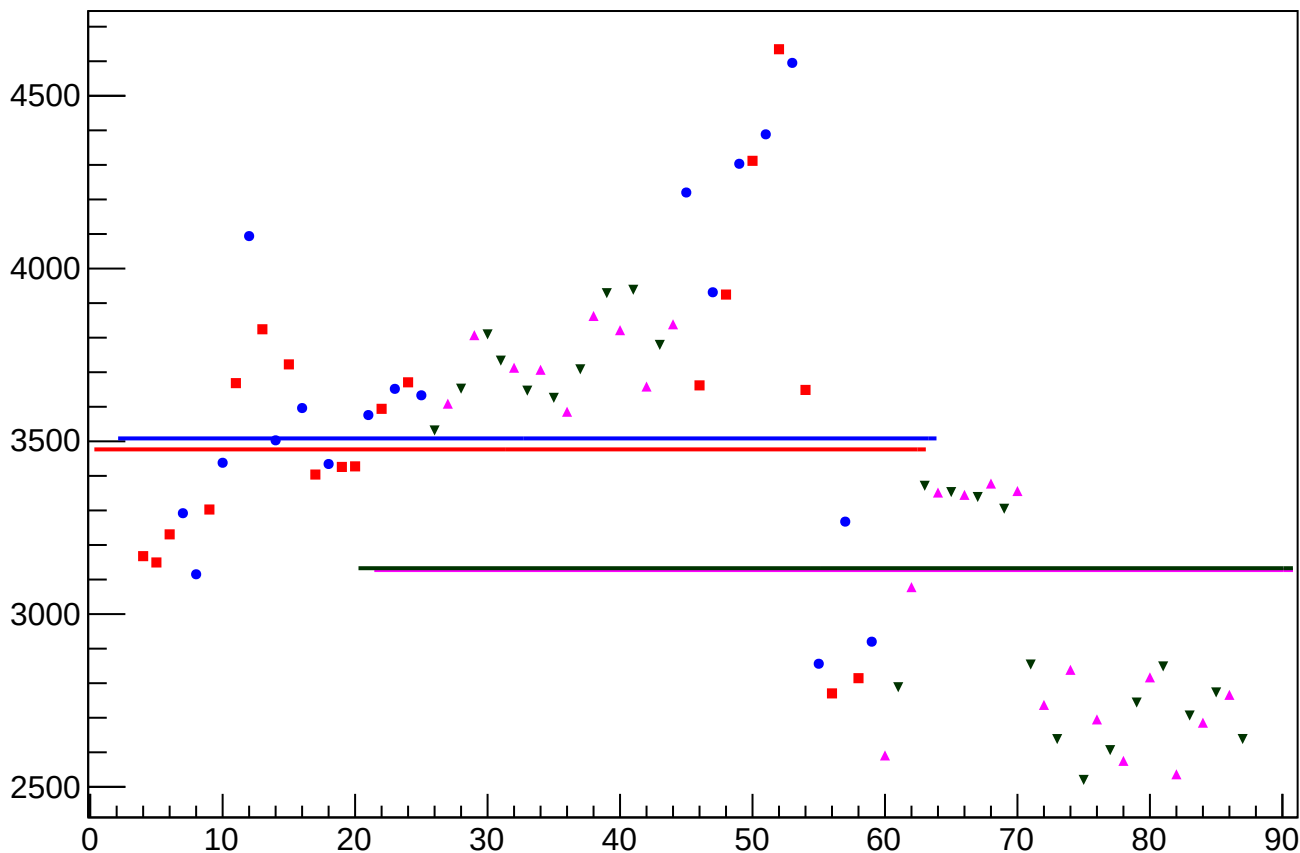
Right Out: -3.927 ± 1.110 χ^2/NDF : 44.2/18

Left In: 1.276 ± 0.882 χ^2/NDF : 43.7/22

2.838 ± 0.690 χ^2/NDF : 94.9/41

-0.739 ± 0.691 χ^2/NDF : 101.4/41

diff_bpm12Y_rms vs slug



Right In: 3508.449 $\pm$ 0.746 χ^2 /NDF: 384135.9/17

Left Out: 3132.795 $\pm$ 0.644 χ^2 /NDF: 545852.1/23

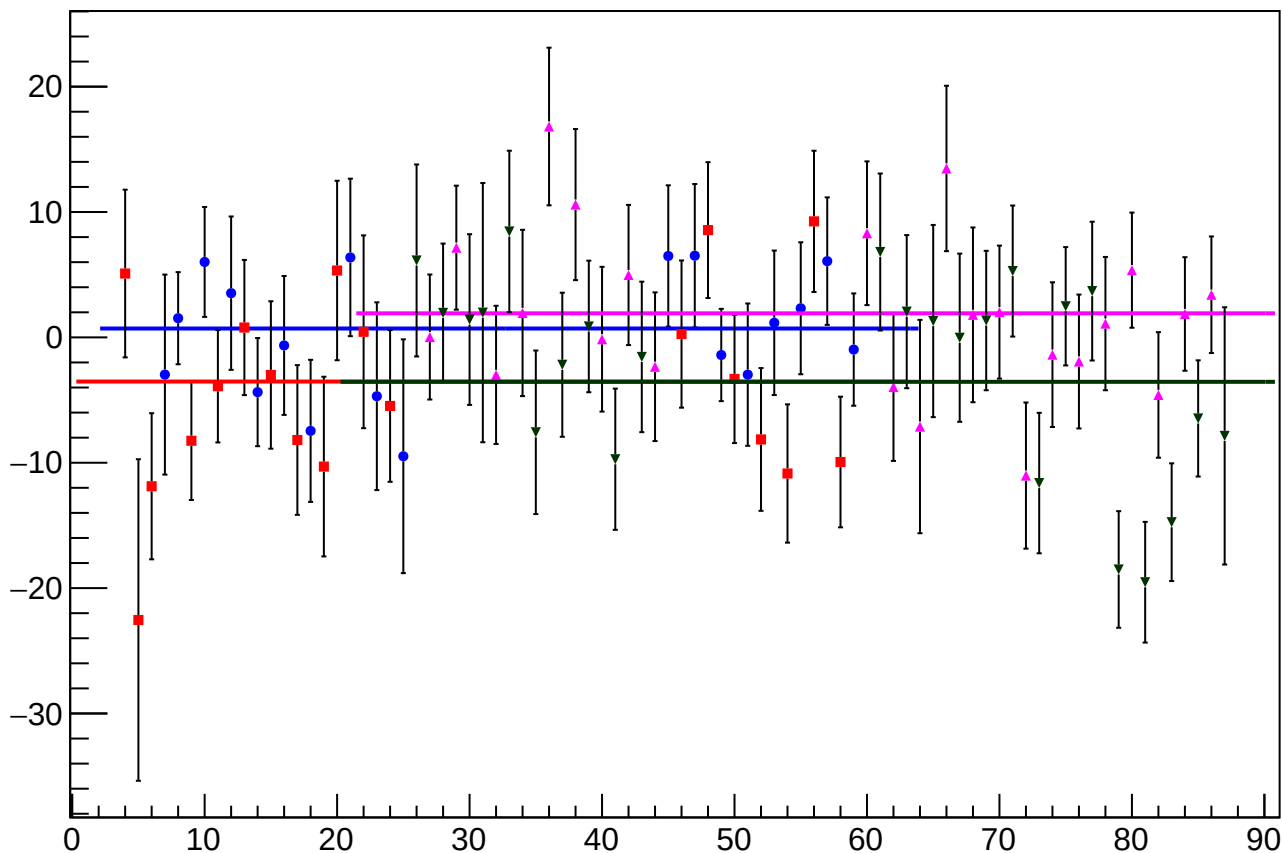
Right Out: 3476.662 $\pm$ 0.785 χ^2 /NDF: 293750.8/18

Left In: 3127.436 $\pm$ 0.624 χ^2 /NDF: 578614.8/22

3293.247 $\pm$ 0.488 χ^2 /NDF: 1075186.7/41

3262.657 $\pm$ 0.488 χ^2 /NDF: 993710.5/41

diff_bpm16X_mean vs slug



Right In: 0.708 ± 1.229 $\chi^2/\text{NDF}: 12.2/17$

Left Out: -3.545 ± 1.183 $\chi^2/\text{NDF}: 50.3/23$

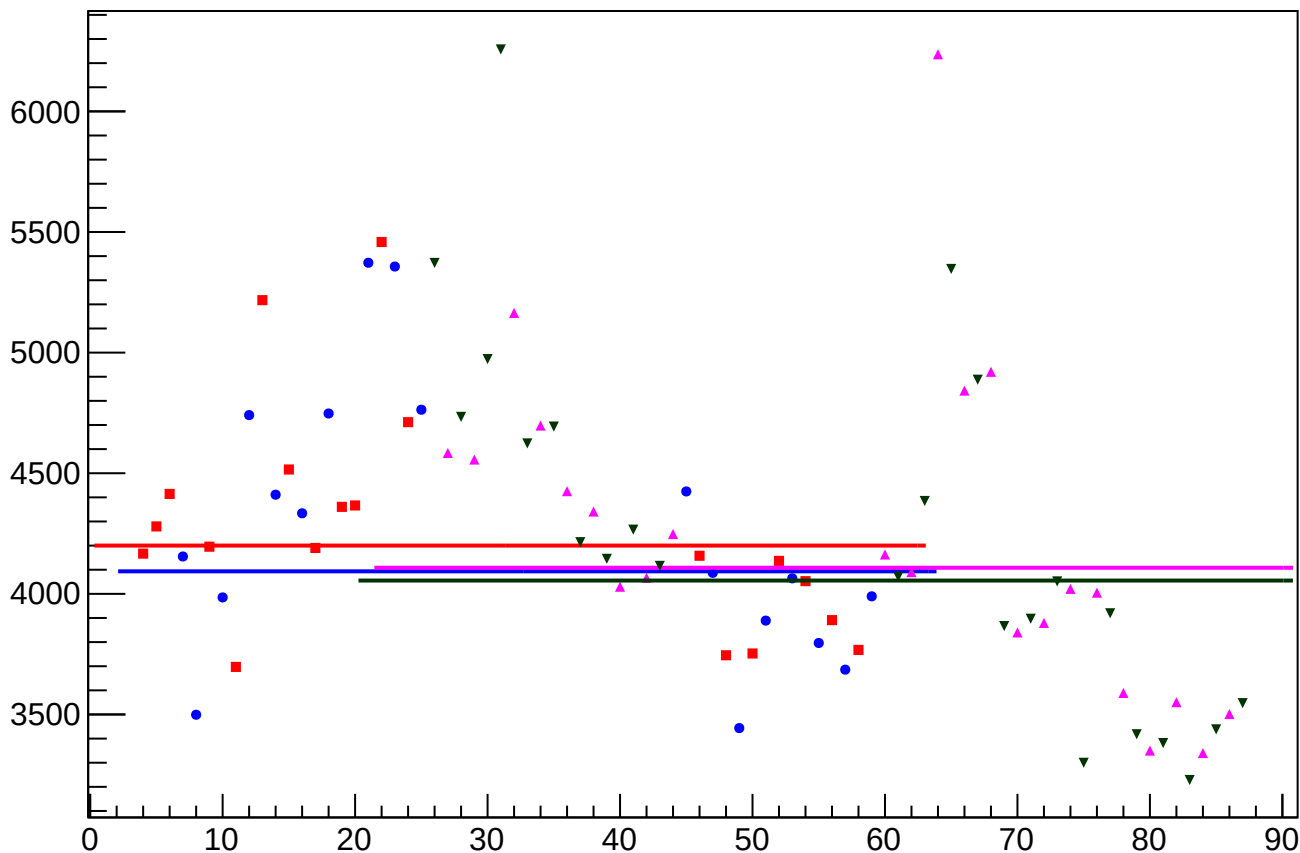
Right Out: -3.522 ± 1.336 $\chi^2/\text{NDF}: 25.4/18$

Left In: 1.919 ± 1.159 $\chi^2/\text{NDF}: 25.3/22$

-1.500 ± 0.852 $\chi^2/\text{NDF}: 68.7/41$

-0.418 ± 0.876 $\chi^2/\text{NDF}: 60.2/41$

diff_bpm16X_rms vs slug



Right In: 4093.382 $\pm$ 0.869 χ^2 /NDF: 359698.6/17

Left Out: 4055.153 $\pm$ 0.836 χ^2 /NDF:585234.7/23

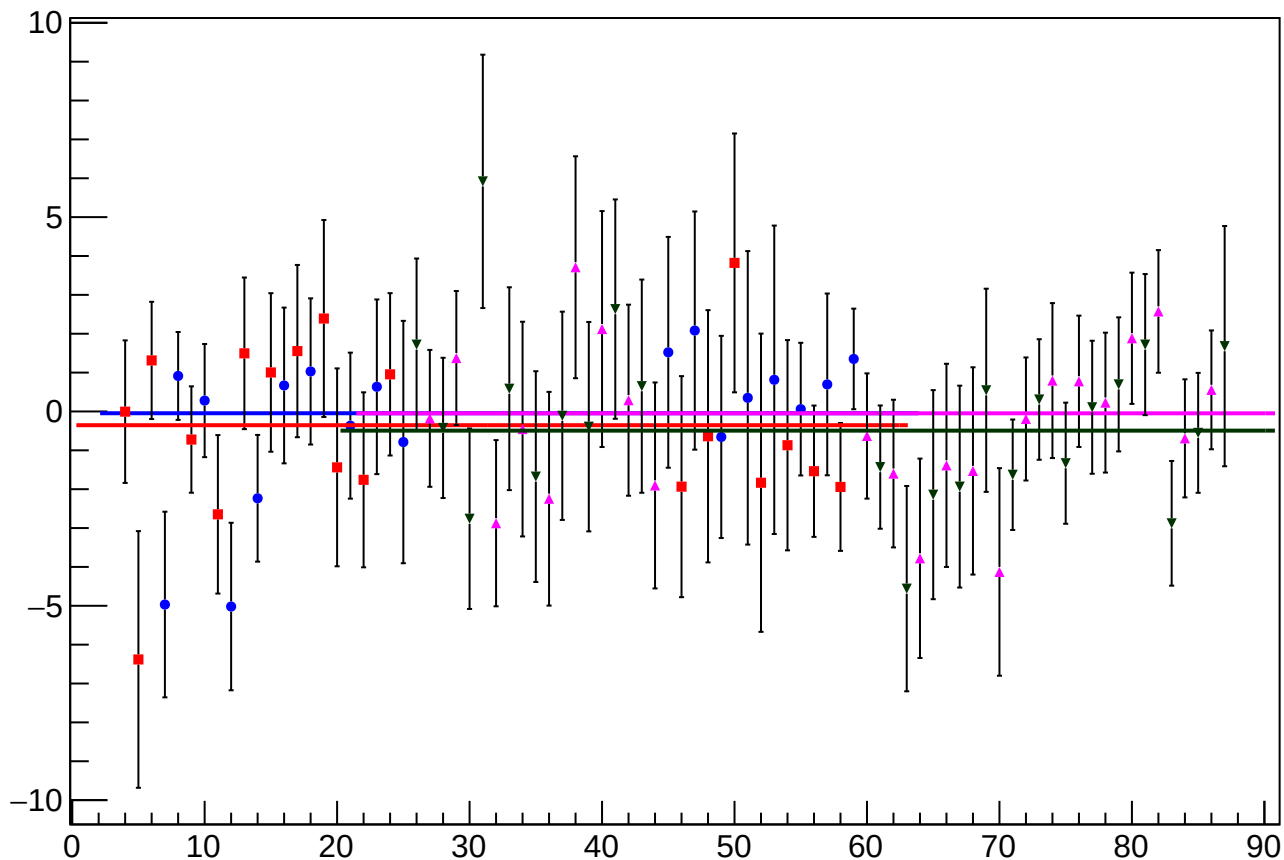
Right Out: 4200.125 $\pm$ 0.945 χ^2 /NDF: 225858.3/18

Left In: 4108.247 $\pm$ 0.820 χ^2 /NDF:510066.4/22

4073.536 $\pm$ 0.603 χ^2 /NDF: 945938.2/41

4147.707 $\pm$ 0.619 χ^2 /NDF: 741321.5/41

diff_bpm16Y_mean vs slug



Right In: -0.046 $\pm$ 0.458 χ^2 /NDF: 14.9/17

Left Out: -0.493 $\pm$ 0.415 χ^2 /NDF: 17.2/23

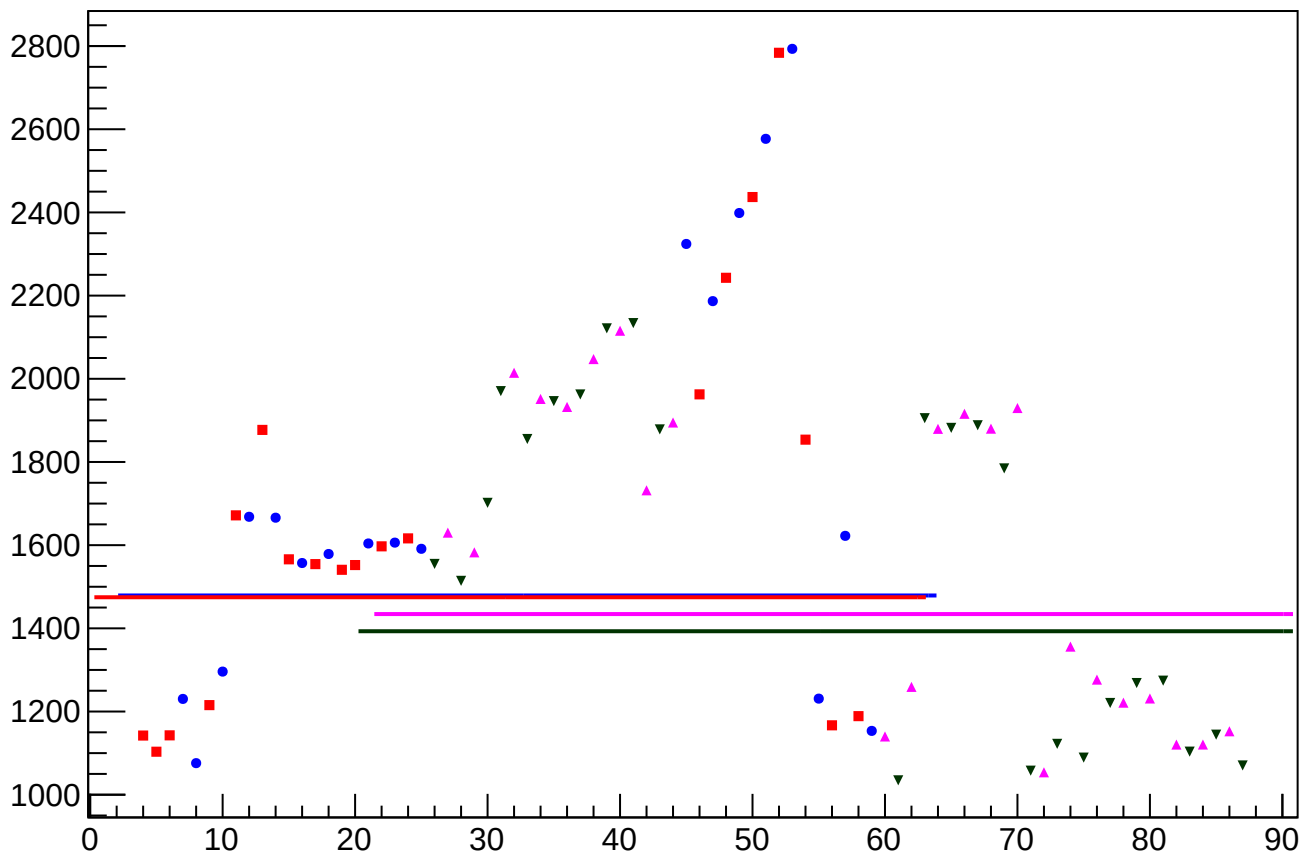
Right Out: -0.354 $\pm$ 0.483 χ^2 /NDF: 13.6/18

Left In: -0.048 $\pm$ 0.414 χ^2 /NDF: 16.5/22

-0.292 $\pm$ 0.308 χ^2 /NDF: 32.6/41

-0.177 $\pm$ 0.314 χ^2 /NDF: 30.4/41

diff_bpm16Y_rms vs slug



Right In: 1479.014+/-0.324 χ^2/NDF : 1459343.9/17

Left Out: 1393.049+/-0.294 χ^2/NDF :1488365.4/23

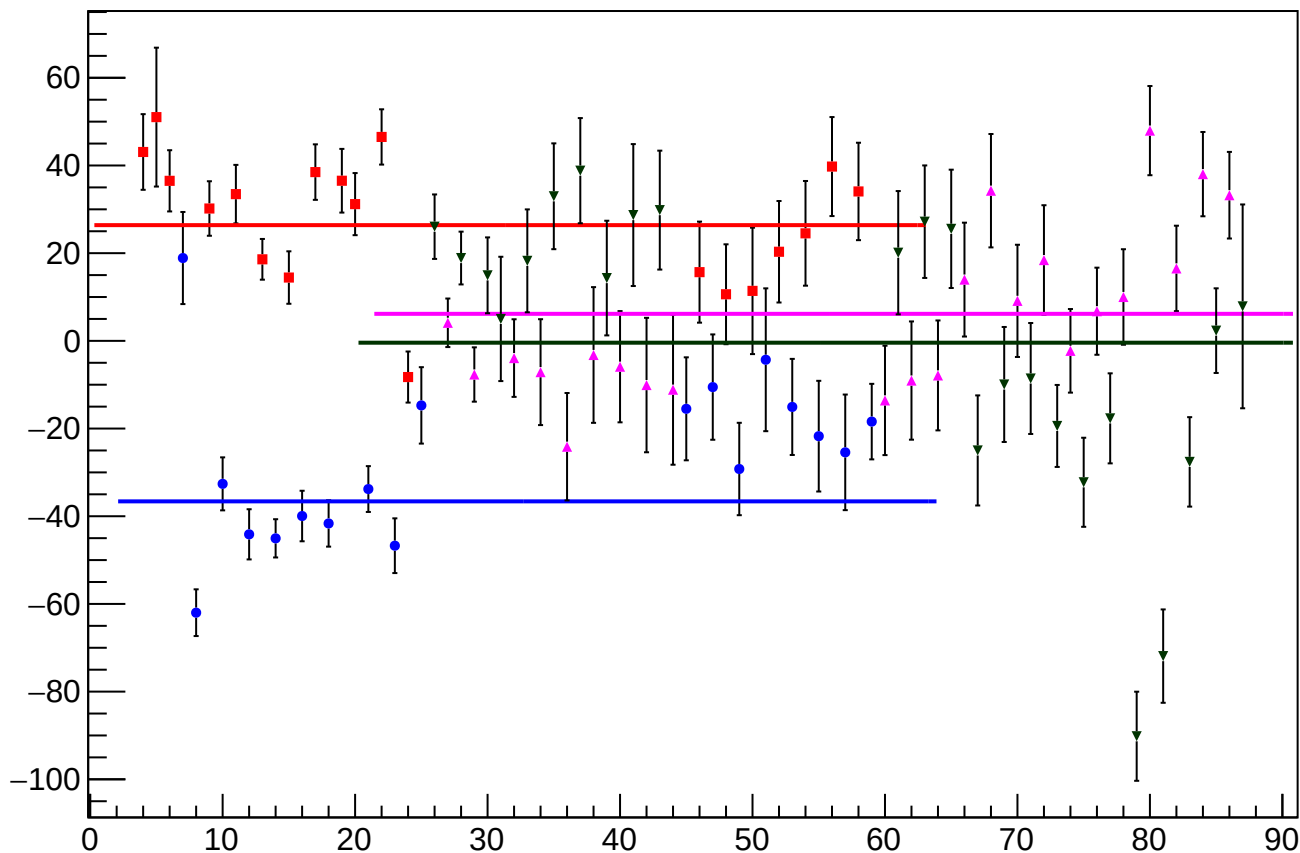
Right Out: 1474.750+/-0.342 χ^2/NDF : 1125200.2/18

Left In: 1434.337+/-0.292 χ^2/NDF :1366983.5/22

1431.806+/-0.218 χ^2/NDF : 2986360.6/41

1451.420+/-0.222 χ^2/NDF : 2500253.8/41

diff_bpm0l01X_mean vs slug



Right In: -36.608 ± 1.674 $\chi^2/\text{NDF}: 89.8/17$

Left Out: -0.419 ± 2.198 $\chi^2/\text{NDF}: 219.3/23$

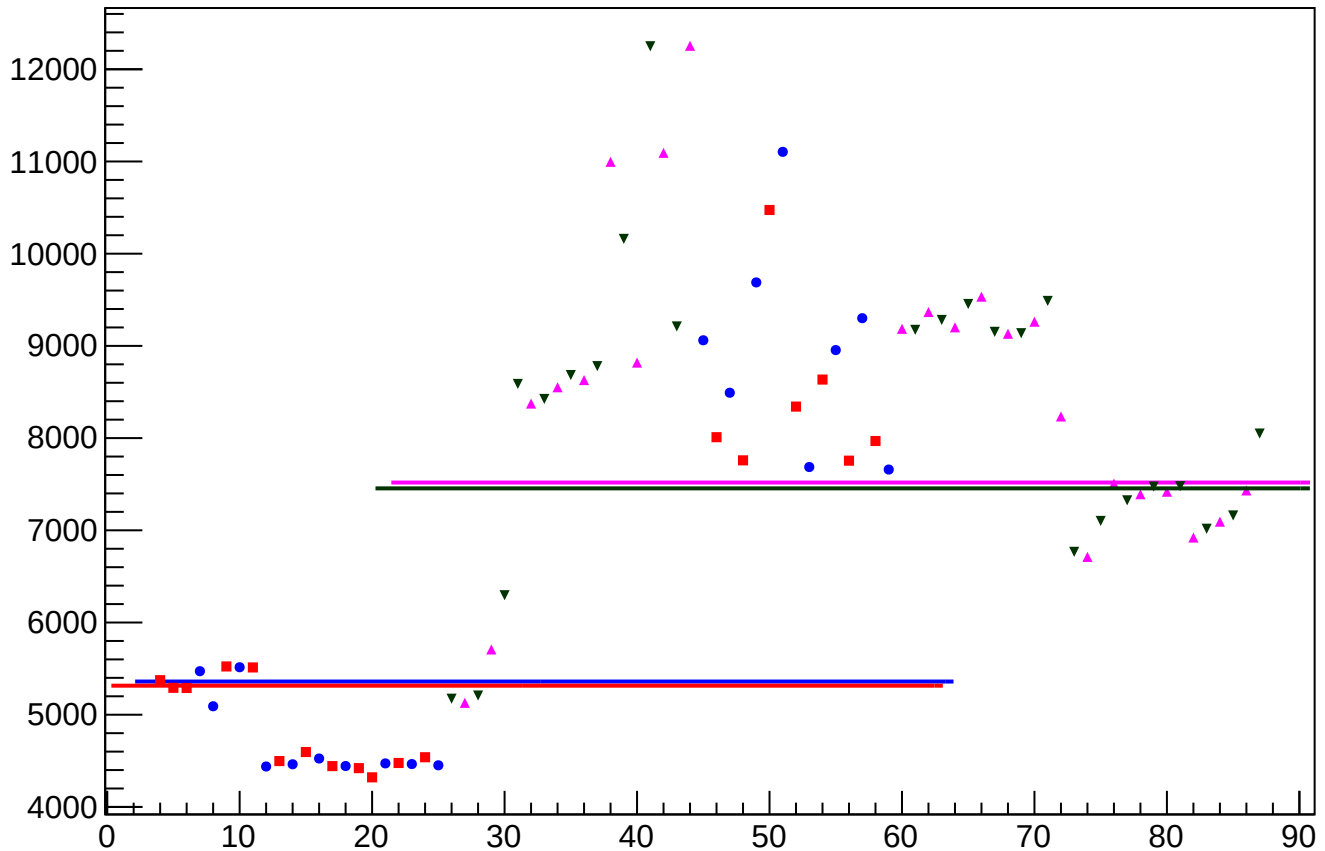
Right Out: 26.394 ± 1.742 $\chi^2/\text{NDF}: 74.2/18$

Left In: 6.165 ± 2.149 $\chi^2/\text{NDF}: 65.7/22$

-23.324 ± 1.332 $\chi^2/\text{NDF}: 480.6/41$

18.372 ± 1.353 $\chi^2/\text{NDF}: 193.4/41$

diff_bpm0l01X_rms vs slug



Right In: 5359.964+/-1.184 χ^2/NDF : 1859958.8/17

Left Out: 7454.829+/-1.554 χ^2/NDF : 1129085.0/23

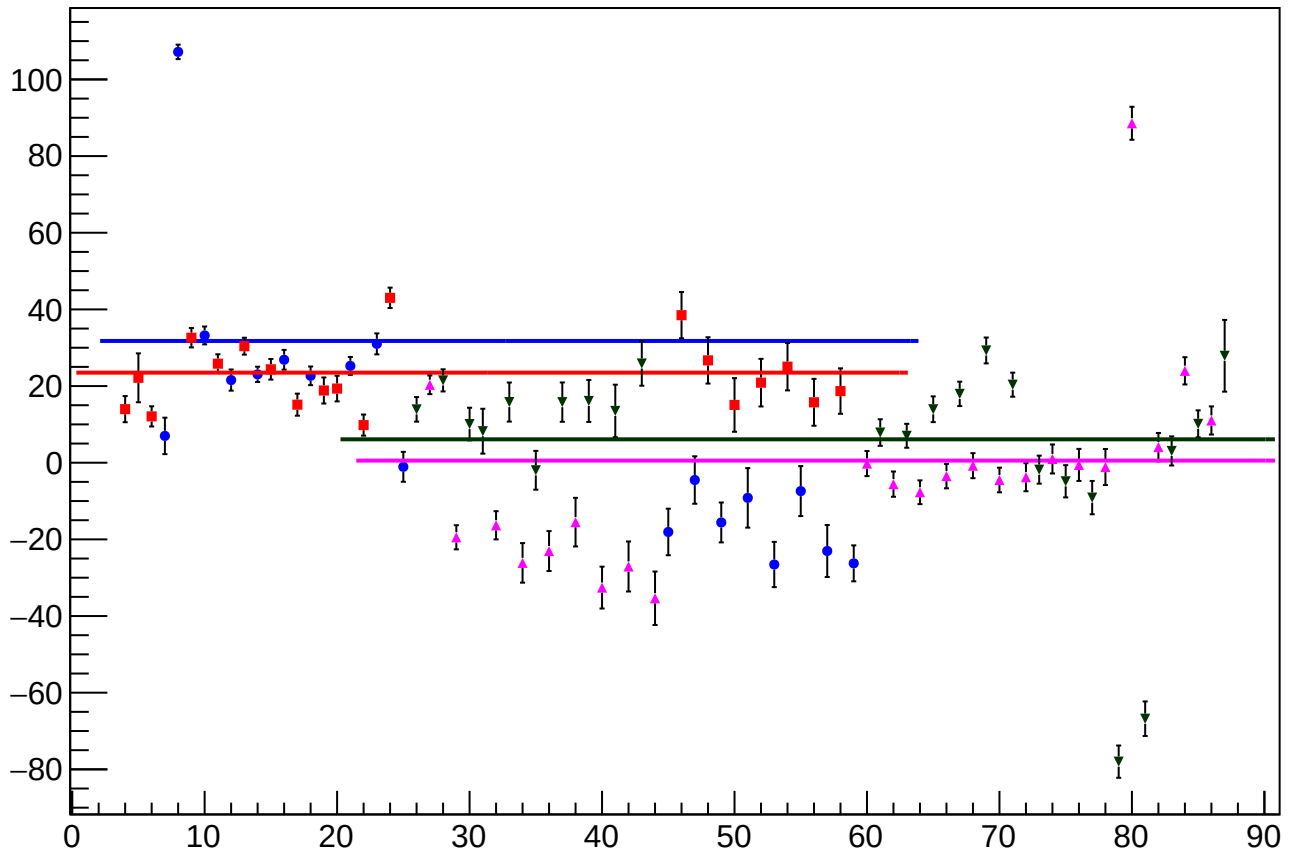
Right Out: 5315.062+/-1.232 χ^2/NDF : 1229938.4/18

Left In: 7518.108+/-1.519 χ^2/NDF : 1235698.6/22

6128.899+/-0.942 χ^2/NDF : 4138670.4/41

6188.683+/-0.957 χ^2/NDF : 3734142.8/41

diff_bpm0l01Y_mean vs slug



Right In: 31.767 ± 0.741 $\chi^2/\text{NDF}: 2323.1/17$

Left Out: 6.108 ± 0.812 $\chi^2/\text{NDF}: 839.7/23$

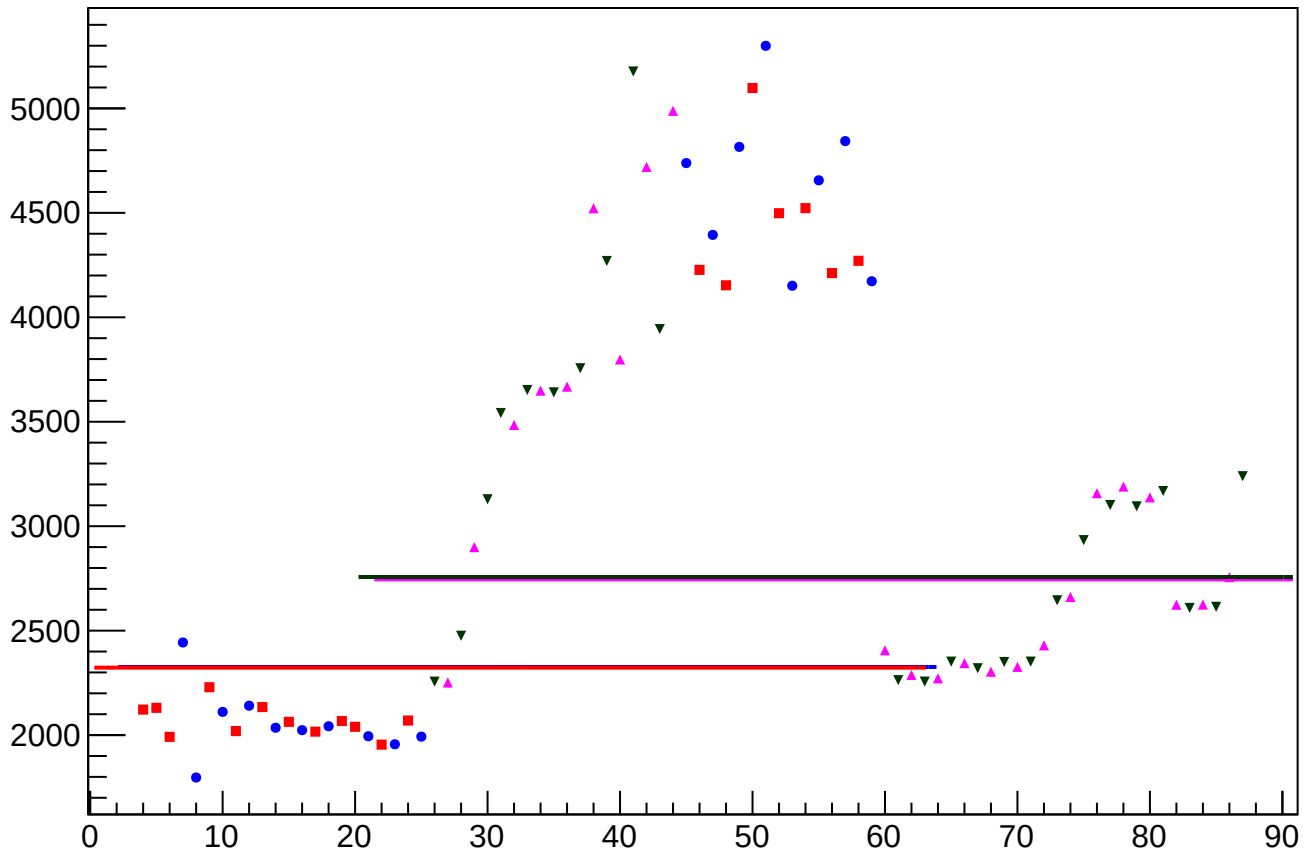
Right Out: 23.500 ± 0.773 $\chi^2/\text{NDF}: 151.3/18$

Left In: 0.551 ± 0.784 $\chi^2/\text{NDF}: 749.6/22$

20.117 ± 0.547 $\chi^2/\text{NDF}: 3707.5/41$

12.195 ± 0.550 $\chi^2/\text{NDF}: 1335.5/41$

diff_bpm0l01Y_rms vs slug



Right In: 2326.082 $\pm$ 0.524 χ^2 /NDF: 2696546.0/17

Left Out: 2756.862 $\pm$ 0.574 χ^2 /NDF:1083937.0/23

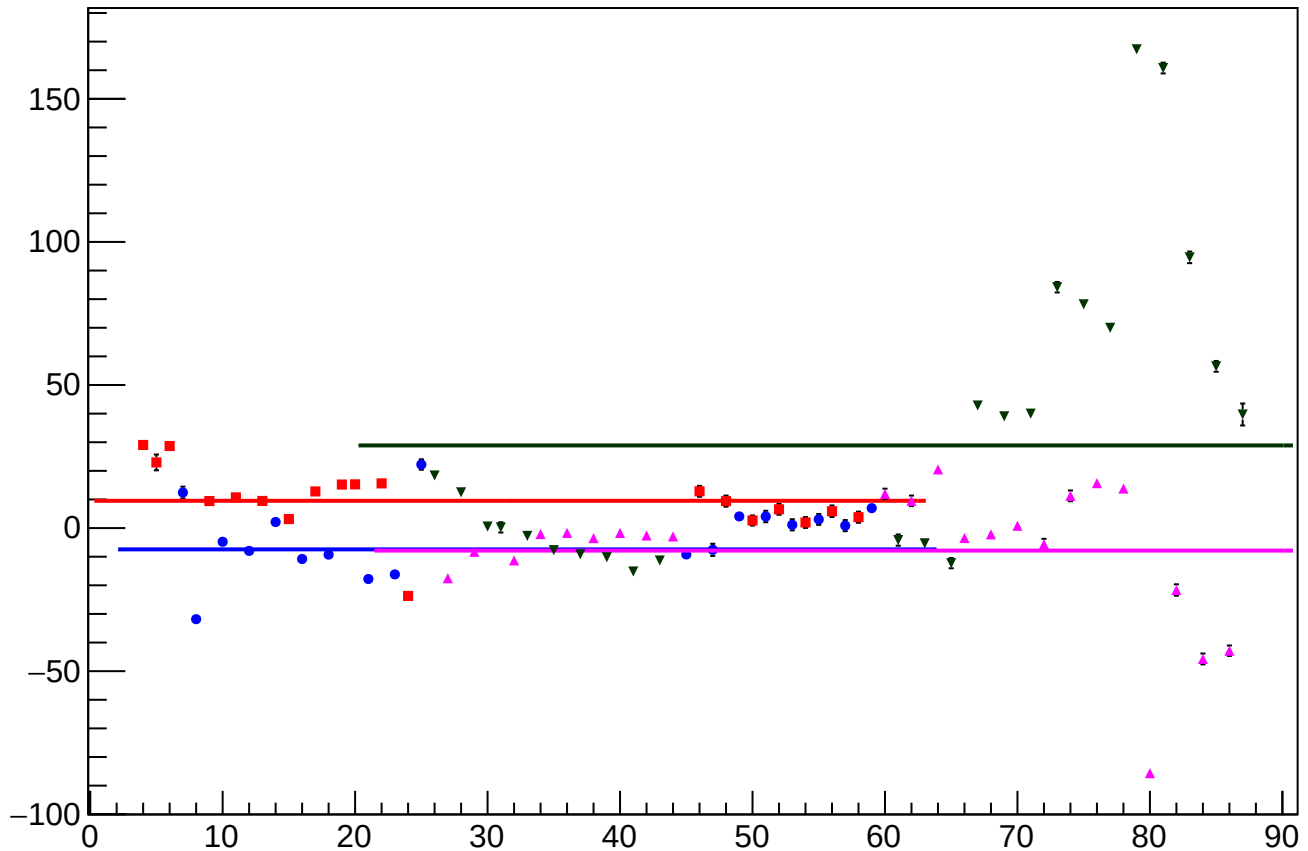
Right Out: 2322.918 $\pm$ 0.546 χ^2 /NDF: 1810759.5/18

Left In: 2745.522 $\pm$ 0.554 χ^2 /NDF:1196741.5/22

2521.664 $\pm$ 0.387 χ^2 /NDF: 4087513.9/41

2531.093 $\pm$ 0.389 χ^2 /NDF: 3302261.6/41

diff_bpm2i01X_mean vs slug



Right In: -7.442 ± 0.310 χ^2/NDF : 1753.9/17

Left Out: 28.882 ± 0.330 χ^2/NDF : 22415.6/23

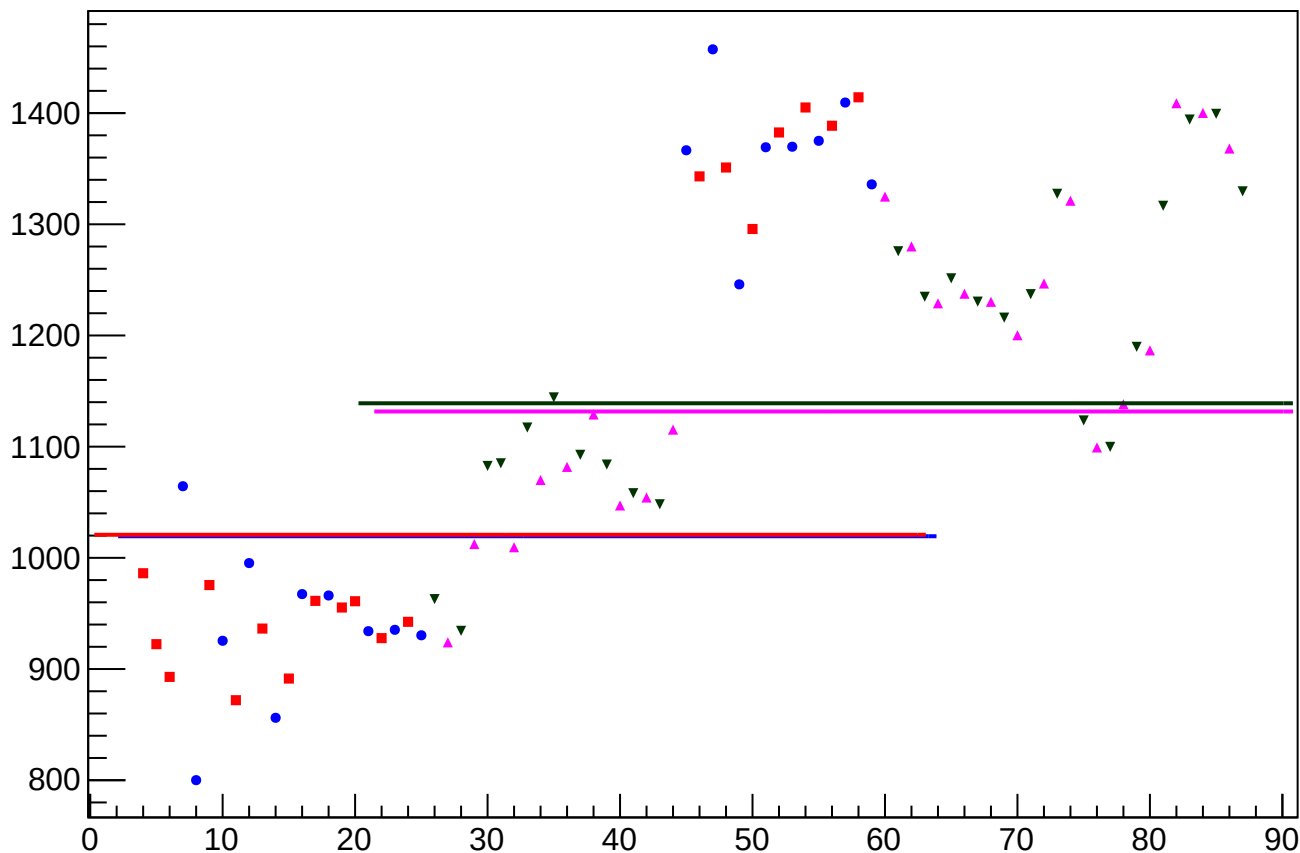
Right Out: 9.540 ± 0.328 χ^2/NDF : 1327.8/18

Left In: -7.869 ± 0.318 χ^2/NDF : 4355.4/22

9.598 ± 0.226 χ^2/NDF : 30612.9/41

0.570 ± 0.228 χ^2/NDF : 7138.0/41

diff_bpm2i01X_rms vs slug



Right In: 1019.424+/-0.219 χ^2/NDF : 852878.1/17

Left Out: 1139.018+/-0.233 χ^2/NDF :286421.7/23

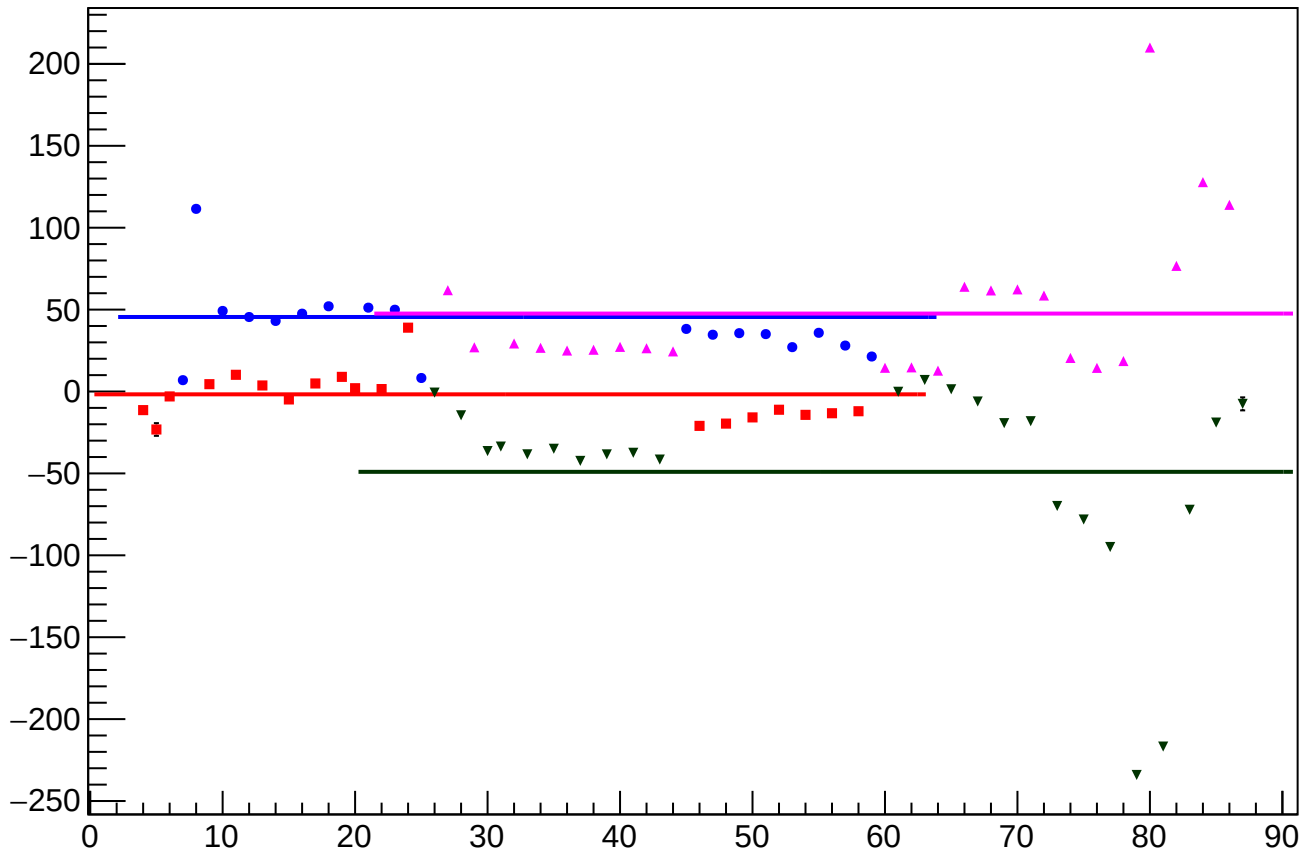
Right Out: 1020.749+/-0.232 χ^2/NDF : 605072.5/18

Left In: 1131.639+/-0.225 χ^2/NDF :358280.1/22

1075.526+/-0.160 χ^2/NDF : 1278993.2/41

1077.884+/-0.161 χ^2/NDF : 1081406.8/41

diff_bpm2i01Y_mean vs slug



Right In: 45.496+/-0.408 χ^2/NDF : 3402.2/17

Left Out: -49.040+/-0.373 χ^2/NDF :25014.8/23

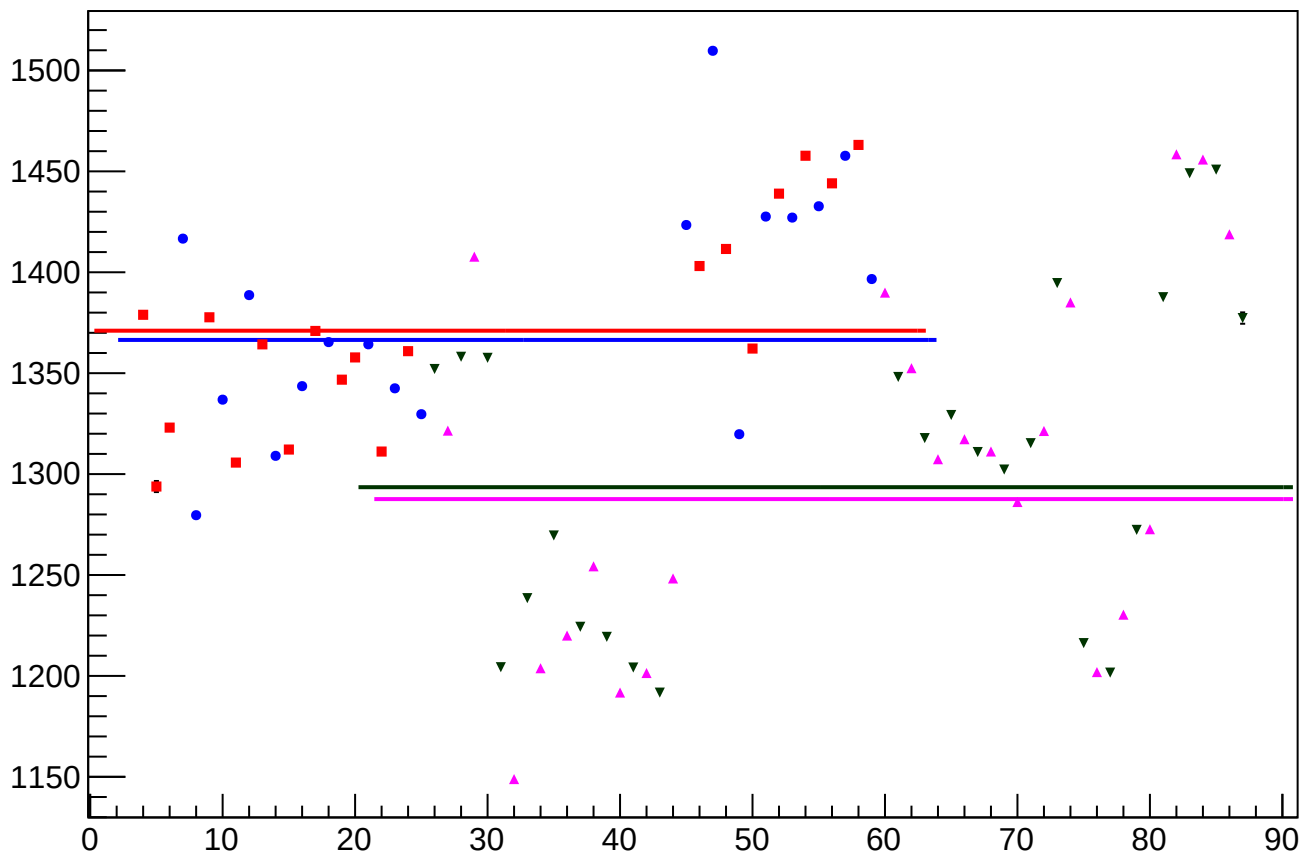
Right Out: -1.724+/-0.434 χ^2/NDF : 1071.7/18

Left In: 47.579+/-0.360 χ^2/NDF :15309.2/22

-6.030+/-0.275 χ^2/NDF : 57687.5/41

27.500+/-0.277 χ^2/NDF : 24032.5/41

diff_bpm2i01Y_rms vs slug



Right In: 1366.474 $\pm$ 0.288 χ^2 /NDF: 38633.0/17

Left Out: 1293.509 $\pm$ 0.264 χ^2 /NDF:83193.0/23

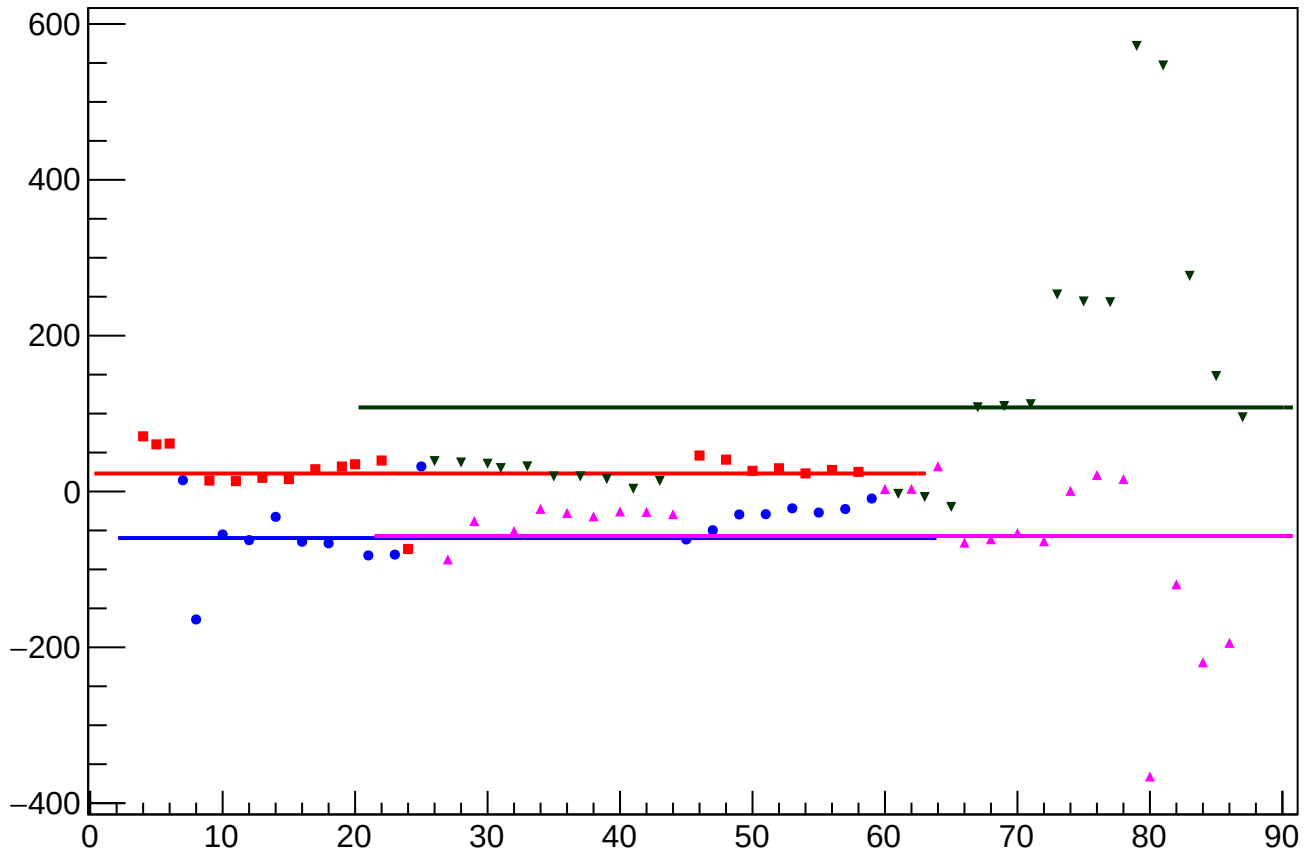
Right Out: 1371.055 $\pm$ 0.307 χ^2 /NDF: 24860.5/18

Left In: 1287.611 $\pm$ 0.254 χ^2 /NDF:121670.8/22

1326.704 $\pm$ 0.195 χ^2 /NDF: 156699.9/41

1321.595 $\pm$ 0.196 χ^2 /NDF: 190366.9/41

diff_bpm2i02X_mean vs slug



Right In: -59.738 ± 0.343 $\chi^2/\text{NDF}: 18760.8/17$

Left Out: 107.891 ± 0.343 $\chi^2/\text{NDF}: 197952.7/23$

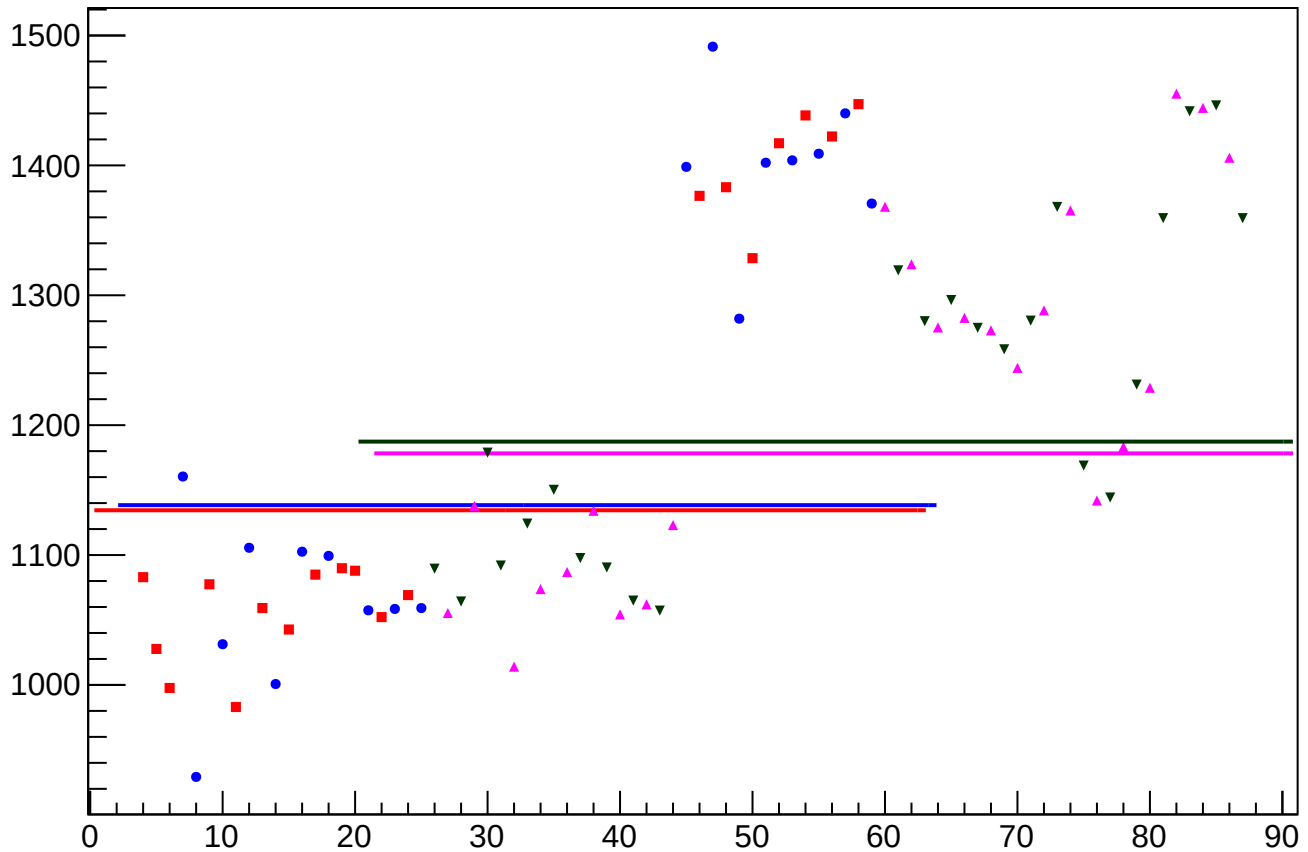
24.061 ± 0.243 $\chi^2/\text{NDF}: 336012.3/41$

Right Out: 23.126 ± 0.362 $\chi^2/\text{NDF}: 7355.2/18$

-20.605 ± 0.244 $\chi^2/\text{NDF}: 94217.3/41$

Left In: -57.093 ± 0.330 $\chi^2/\text{NDF}: 60062.8/22$

diff_bpm2i02X_rms vs slug



Right In: 1138.411 $\pm$ 0.243 χ^2 /NDF: 488075.7/17

Left Out: 1187.334 $\pm$ 0.243 χ^2 /NDF: 224724.4/23

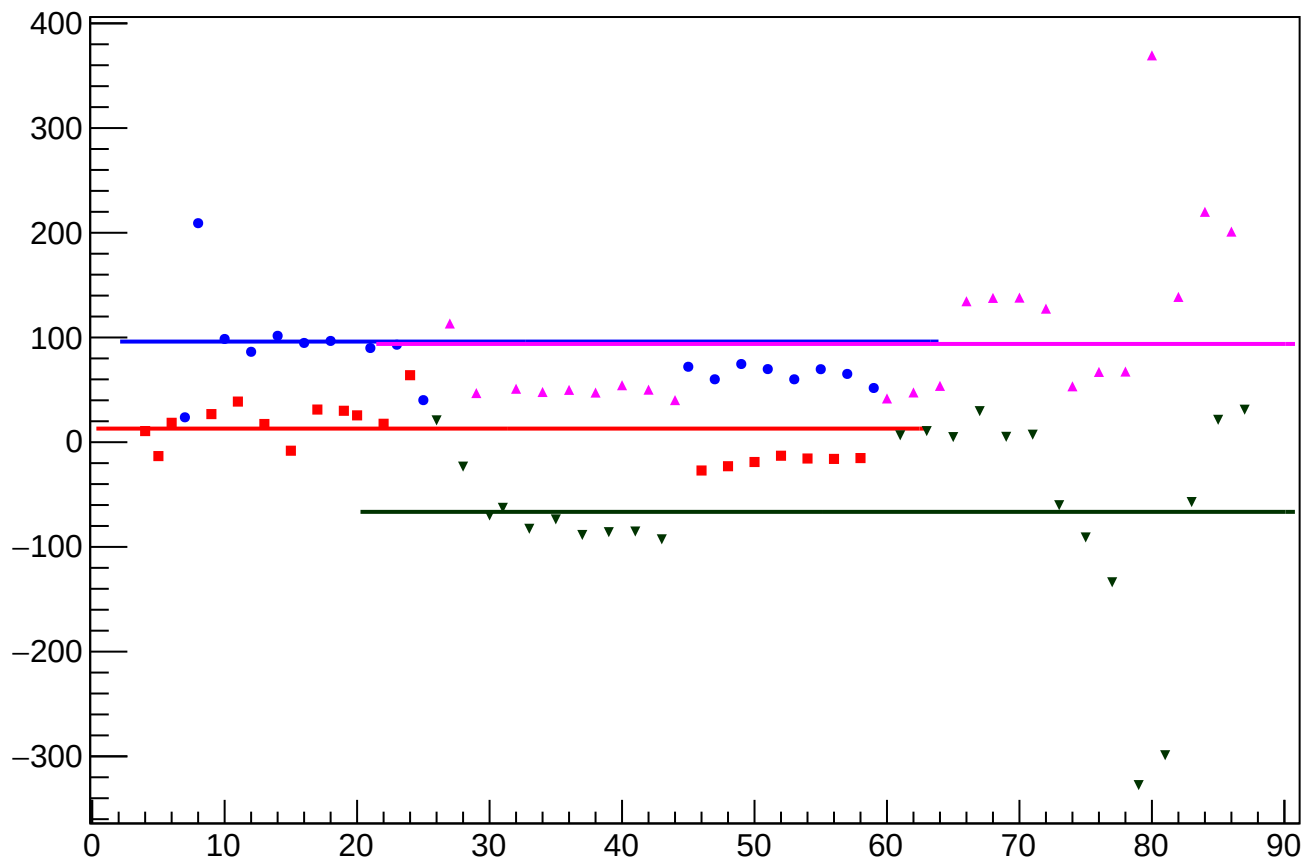
Right Out: 1134.479 $\pm$ 0.256 χ^2 /NDF: 360721.2/18

Left In: 1178.268 $\pm$ 0.234 χ^2 /NDF: 304300.8/22

1162.868 $\pm$ 0.172 χ^2 /NDF: 733123.5/41

1158.350 $\pm$ 0.173 χ^2 /NDF: 680992.5/41

diff_bpm2i02Y_mean vs slug



Right In: 96.096 $\pm$ 0.343 χ^2 /NDF: 17116.6/17

Left Out: -66.525 $\pm$ 0.337 χ^2 /NDF: 65190.6/23

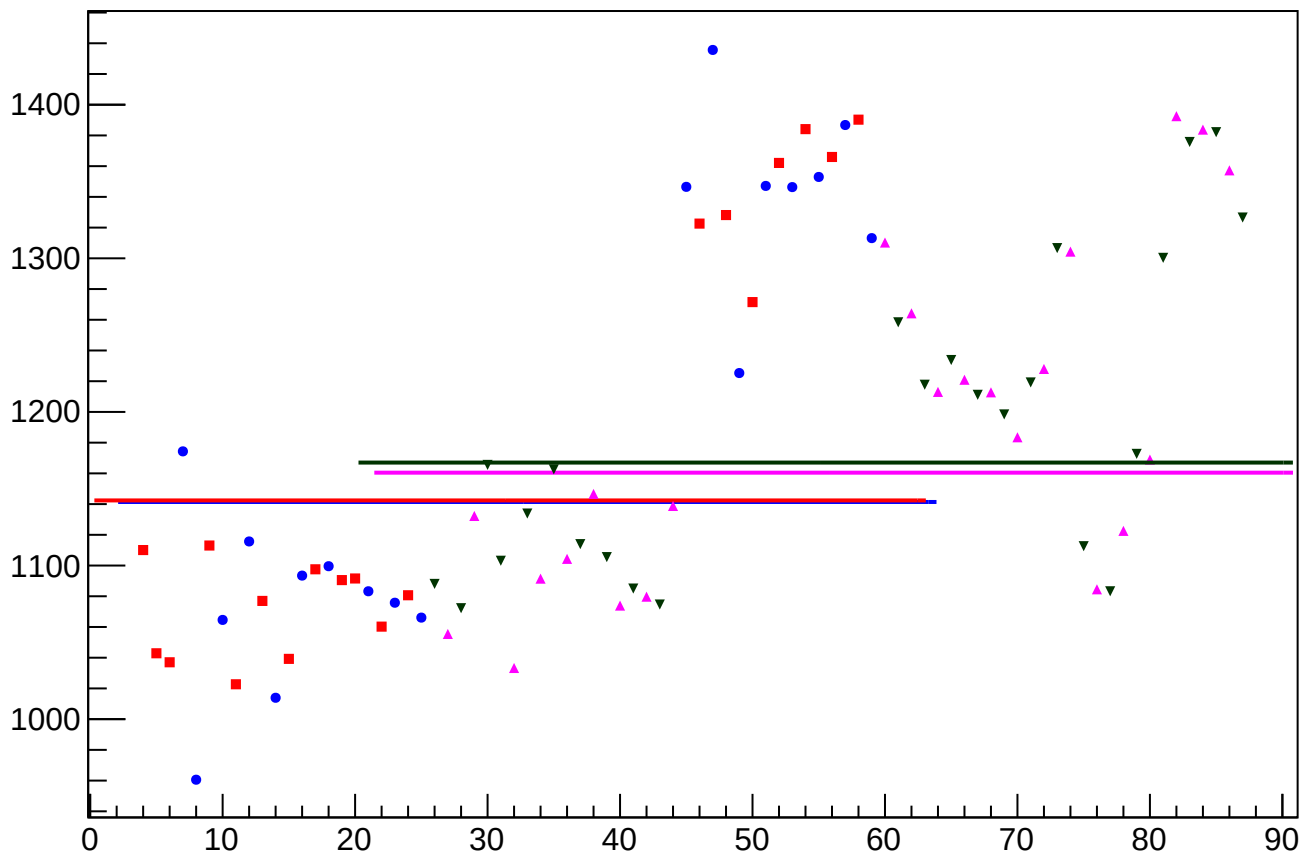
Right Out: 12.992 $\pm$ 0.363 χ^2 /NDF: 4541.3/18

Left In: 93.831 $\pm$ 0.325 χ^2 /NDF: 52006.8/22

13.310 $\pm$ 0.240 χ^2 /NDF: 196819.3/41

57.923 $\pm$ 0.242 χ^2 /NDF: 84073.6/41

diff_bpm2i02Y_rms vs slug



Right In: 1141.379+/-0.242 χ^2/NDF : 329306.4/17

Left Out: 1167.035+/-0.238 χ^2/NDF :135877.4/23

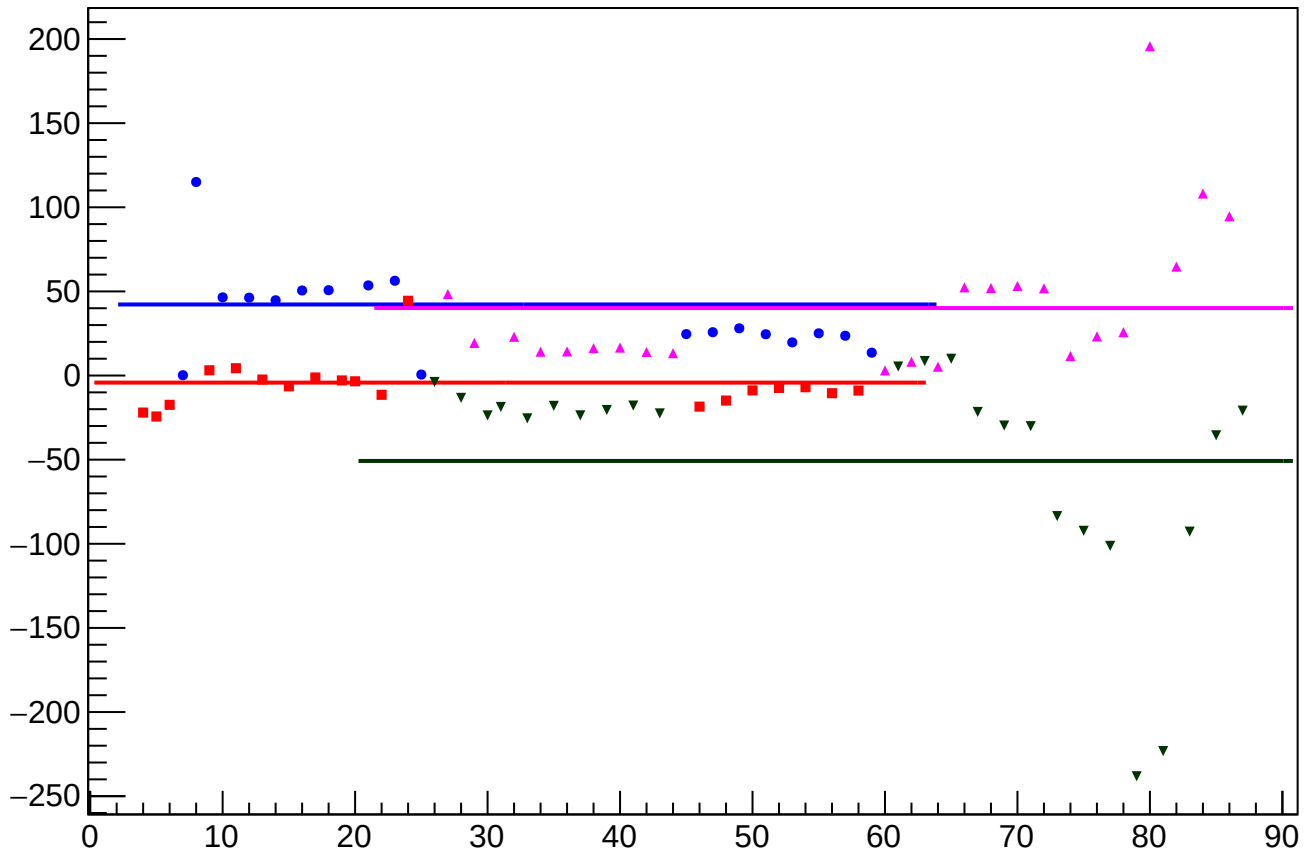
Right Out: 1142.390+/-0.257 χ^2/NDF : 236212.3/18

Left In: 1160.462+/-0.230 χ^2/NDF :193582.8/22

1154.440+/-0.170 χ^2/NDF : 470884.4/41

1152.434+/-0.171 χ^2/NDF : 432546.4/41

diff_bpm1i04X_mean vs slug



Right In: 42.233 $\pm$ 0.231 χ^2 /NDF: 14293.4/17

Left Out: -50.765 $\pm$ 0.209 χ^2 /NDF:98233.9/23

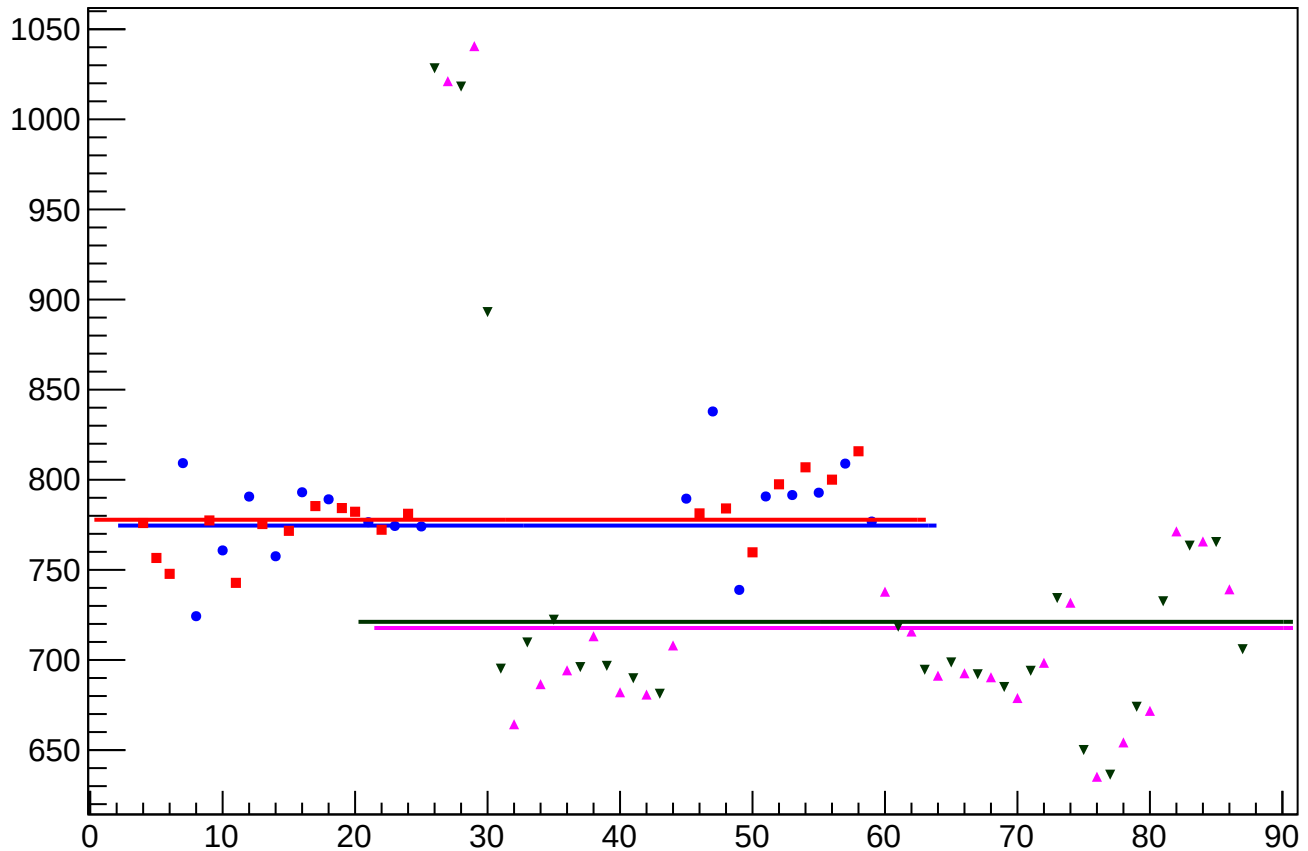
Right Out: -4.198 $\pm$ 0.246 χ^2 /NDF: 3378.3/18

Left In: 40.117 $\pm$ 0.202 χ^2 /NDF:47166.0/22

-8.909 $\pm$ 0.155 χ^2 /NDF: 201742.0/41

22.302 $\pm$ 0.156 χ^2 /NDF: 69985.8/41

diff_bpm1i04X_rms vs slug



Right In: 774.583 $\pm$ 0.163 χ^2 /NDF: 26360.5/17

Left Out: 721.167 $\pm$ 0.148 χ^2 /NDF: 315677.6/23

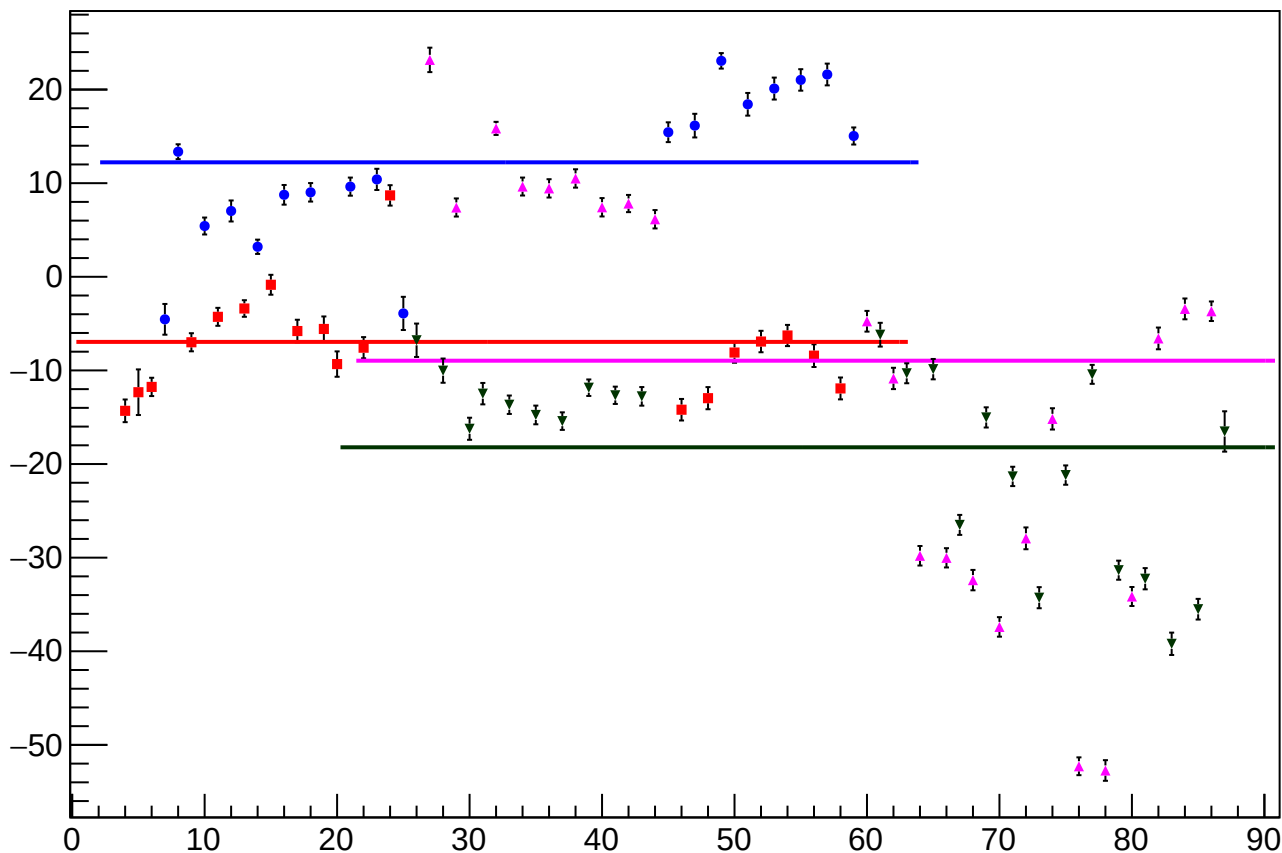
Right Out: 777.816 $\pm$ 0.174 χ^2 /NDF: 11180.5/18

Left In: 717.745 $\pm$ 0.142 χ^2 /NDF: 388826.9/22

745.208 $\pm$ 0.110 χ^2 /NDF: 400903.6/41

741.894 $\pm$ 0.110 χ^2 /NDF: 471456.2/41

diff_bpm1i04Y_mean vs slug



Right In: 12.227 $\pm$ 0.244 χ^2 /NDF: 832.9/17

Left Out: -18.213 $\pm$ 0.222 χ^2 /NDF:1695.8/23

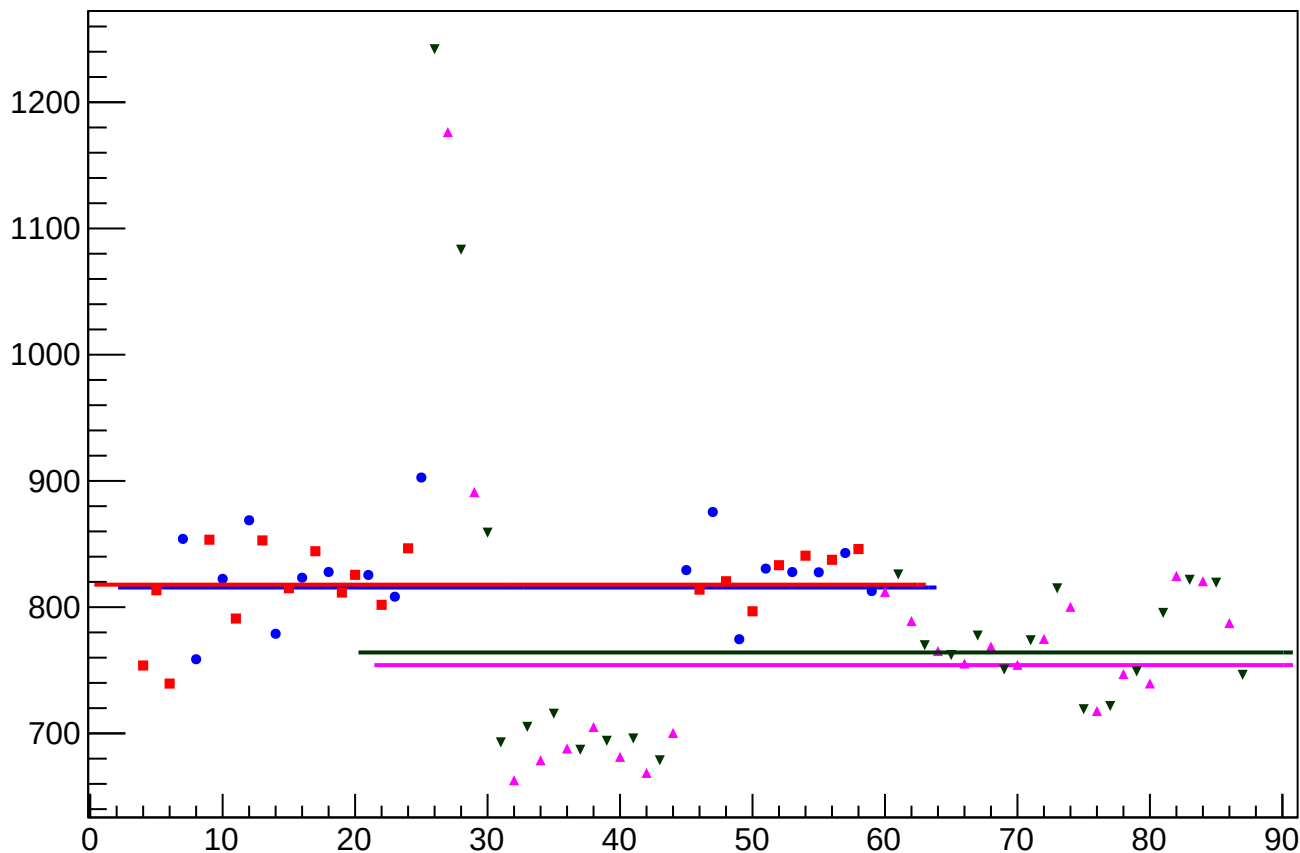
Right Out: -6.954 $\pm$ 0.259 χ^2 /NDF: 420.8/18

Left In: -8.963 $\pm$ 0.212 χ^2 /NDF:10782.8/22

-4.377 $\pm$ 0.164 χ^2 /NDF: 11052.7/41

-8.156 $\pm$ 0.164 χ^2 /NDF: 11239.6/41

diff_bpm1i04Y_rms vs slug



Right In: 815.575+/-0.172 χ^2/NDF : 37644.6/17

Left Out: 764.111+/-0.157 χ^2/NDF : 378357.3/23

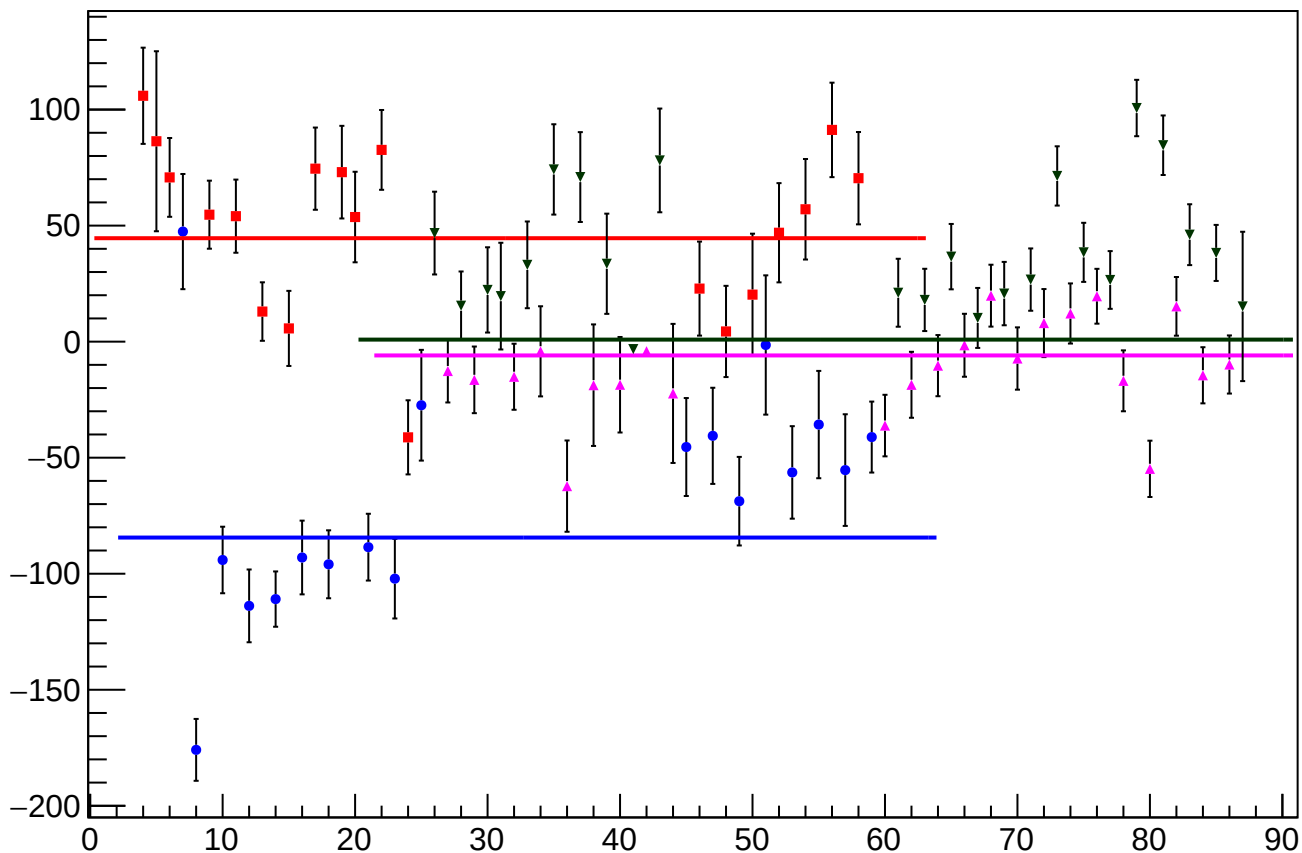
Right Out: 817.840+/-0.183 χ^2/NDF : 32410.2/18

Left In: 754.111+/-0.150 χ^2/NDF : 375934.4/22

787.502+/-0.116 χ^2/NDF : 464731.8/41

779.693+/-0.116 χ^2/NDF : 480796.7/41

diff_bpm0l02X_mean vs slug



Right In: -84.415 ± 4.060 χ^2/NDF : 124.1/17

Left Out: 0.879 ± 0.938 χ^2/NDF : 263.0/23

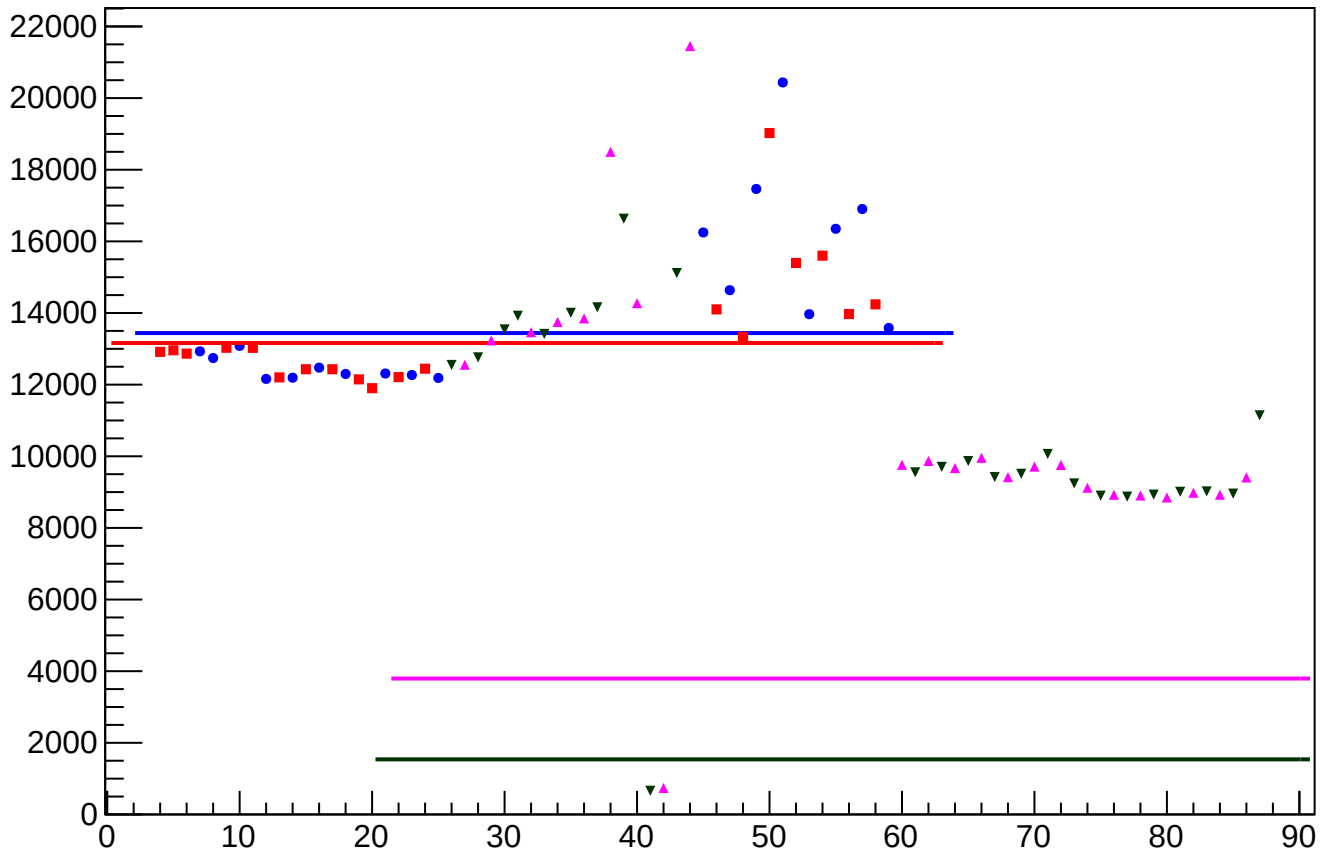
Right Out: 44.573 ± 4.203 χ^2/NDF : 77.6/18

Left In: -5.942 ± 1.706 χ^2/NDF : 48.9/22

-3.444 ± 0.914 χ^2/NDF : 806.1/41

1.203 ± 1.581 χ^2/NDF : 250.5/41

diff_bpm0l02X_rms vs slug



Right In: 13440.177 $\pm$ 2.871 χ^2 /NDF: 403912.7/17

Left Out: 1538.367 $\pm$ 0.663 χ^2 /NDF:18506391.1/23

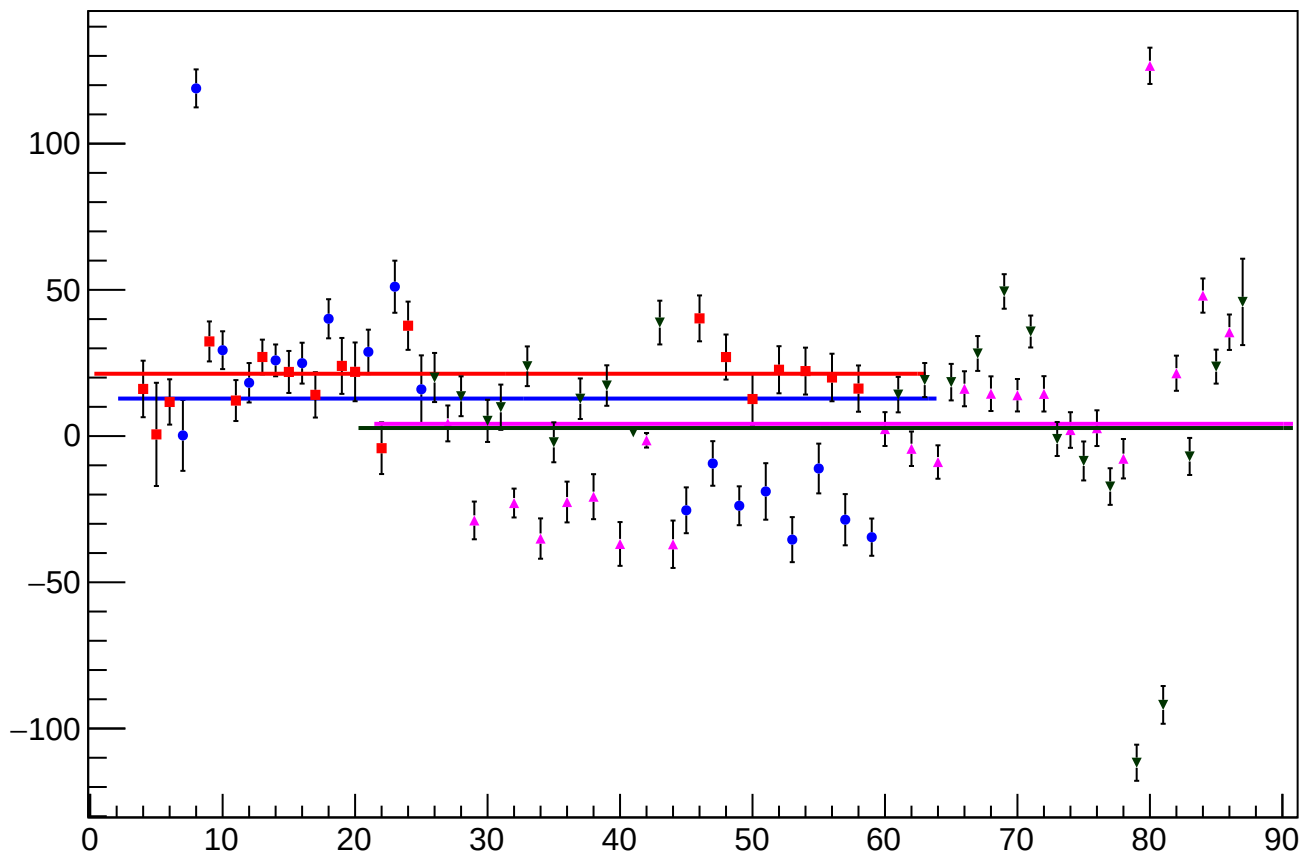
Right Out: 13162.769 $\pm$ 2.972 χ^2 /NDF: 204436.9/18

Left In: 3794.703 $\pm$ 1.206 χ^2 /NDF:15030257.0/22

2141.622 $\pm$ 0.646 χ^2 /NDF: 35226978.2/41

5119.775 $\pm$ 1.118 χ^2 /NDF: 23766870.9/41

diff_bpm0l02Y_mean vs slug



Right In: 12.827 ± 1.752 $\chi^2/\text{NDF}: 521.8/17$

Left Out: 2.755 ± 0.921 $\chi^2/\text{NDF}: 780.1/23$

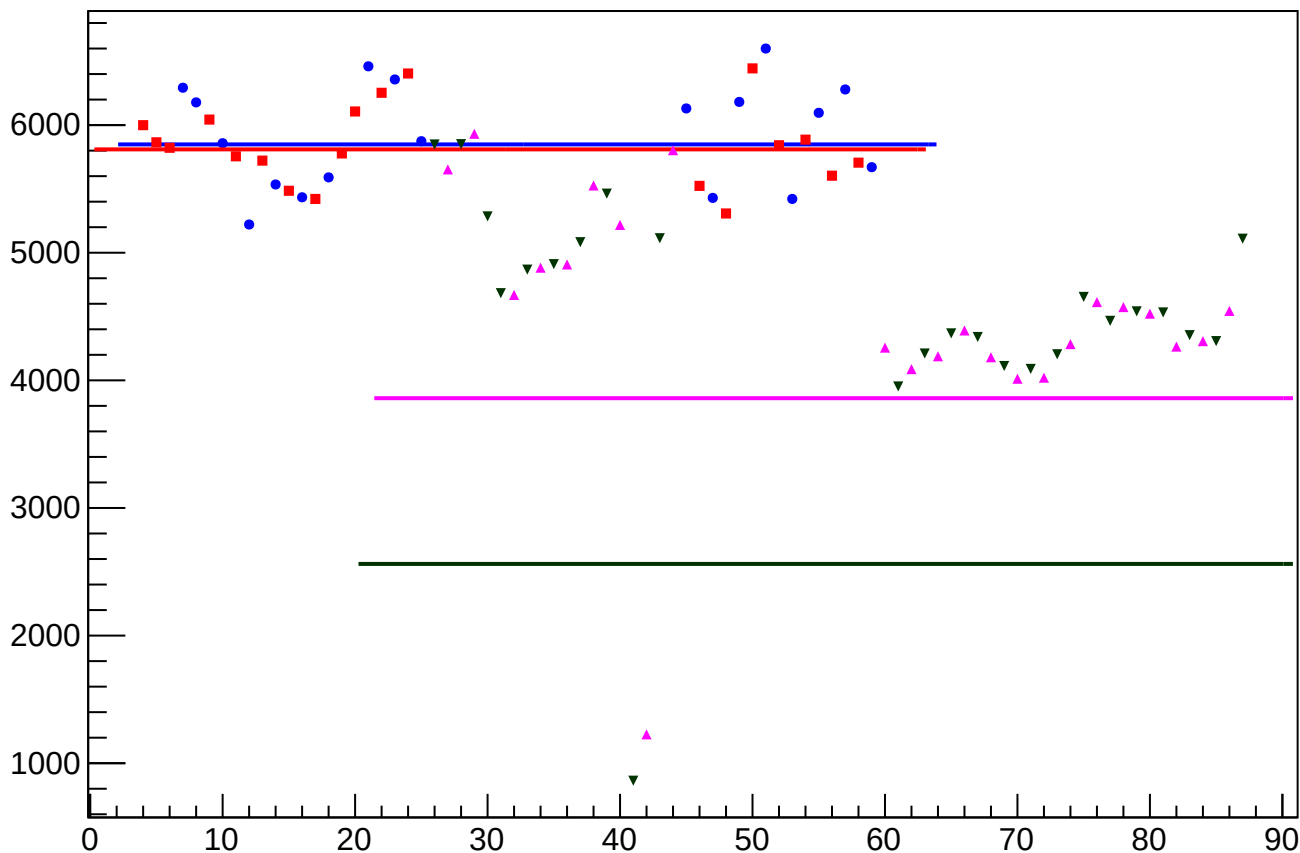
Right Out: 21.314 ± 1.847 $\chi^2/\text{NDF}: 29.5/18$

Left In: 4.189 ± 1.166 $\chi^2/\text{NDF}: 679.4/22$

4.936 ± 0.815 $\chi^2/\text{NDF}: 1327.7/41$

9.068 ± 0.986 $\chi^2/\text{NDF}: 770.4/41$

diff_bpm0l02Y_rms vs slug



Right In: 5848.690+/-1.239 χ^2/NDF : 101335.3/17

Left Out: 2561.620+/-0.651 χ^2/NDF : 8479852.5/23

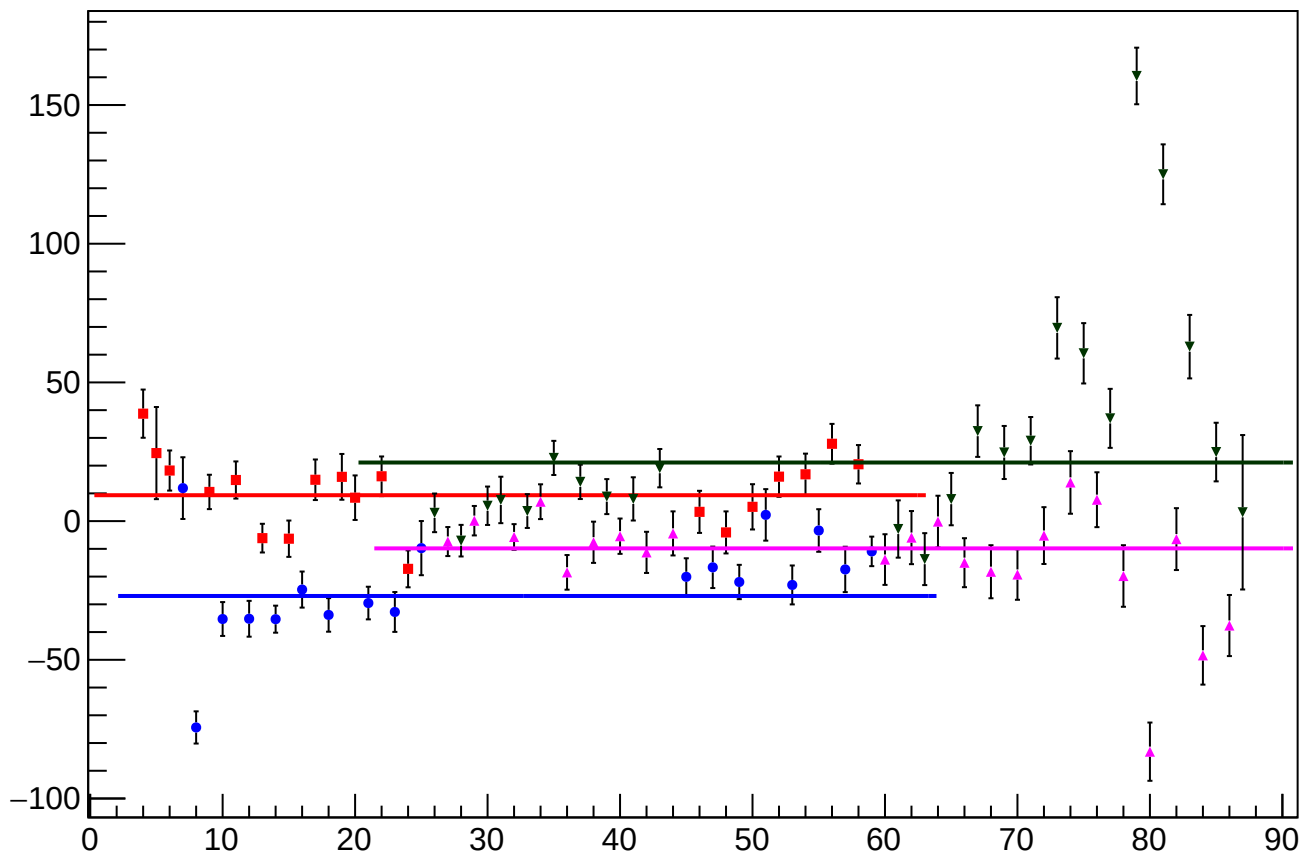
Right Out: 5809.767+/-1.306 χ^2/NDF : 53321.4/18

Left In: 3860.206+/-0.824 χ^2/NDF : 3207313.4/22

3273.444+/-0.577 χ^2/NDF : 14094192.6/41

4415.619+/-0.697 χ^2/NDF : 4854111.3/41

diff_bpm0l03X_mean vs slug



Right In: -26.989 ± 1.569 $\chi^2/\text{NDF}: 124.5/17$

Left Out: 21.124 ± 1.670 $\chi^2/\text{NDF}: 406.8/23$

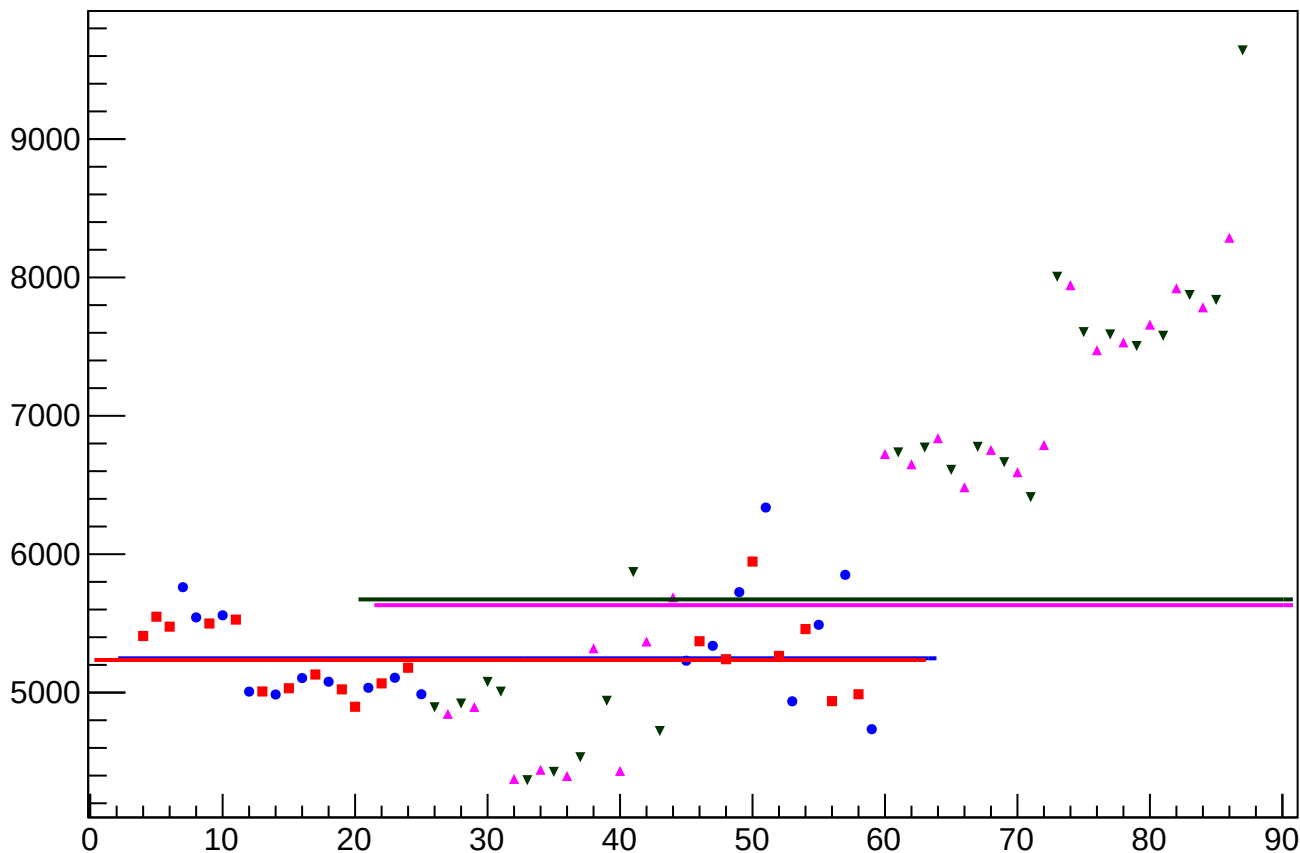
-4.431 ± 1.144 $\chi^2/\text{NDF}: 971.9/41$

Right Out: 9.337 ± 1.659 $\chi^2/\text{NDF}: 62.4/18$

-0.552 ± 1.155 $\chi^2/\text{NDF}: 226.7/41$

Left In: -9.833 ± 1.608 $\chi^2/\text{NDF}: 95.5/22$

diff_bpm0l03X_rms vs slug



Right In: 5247.571+/-1.110 χ^2/NDF : 105629.3/17

Left Out: 5673.364+/-1.181 χ^2/NDF : 1070656.3/23

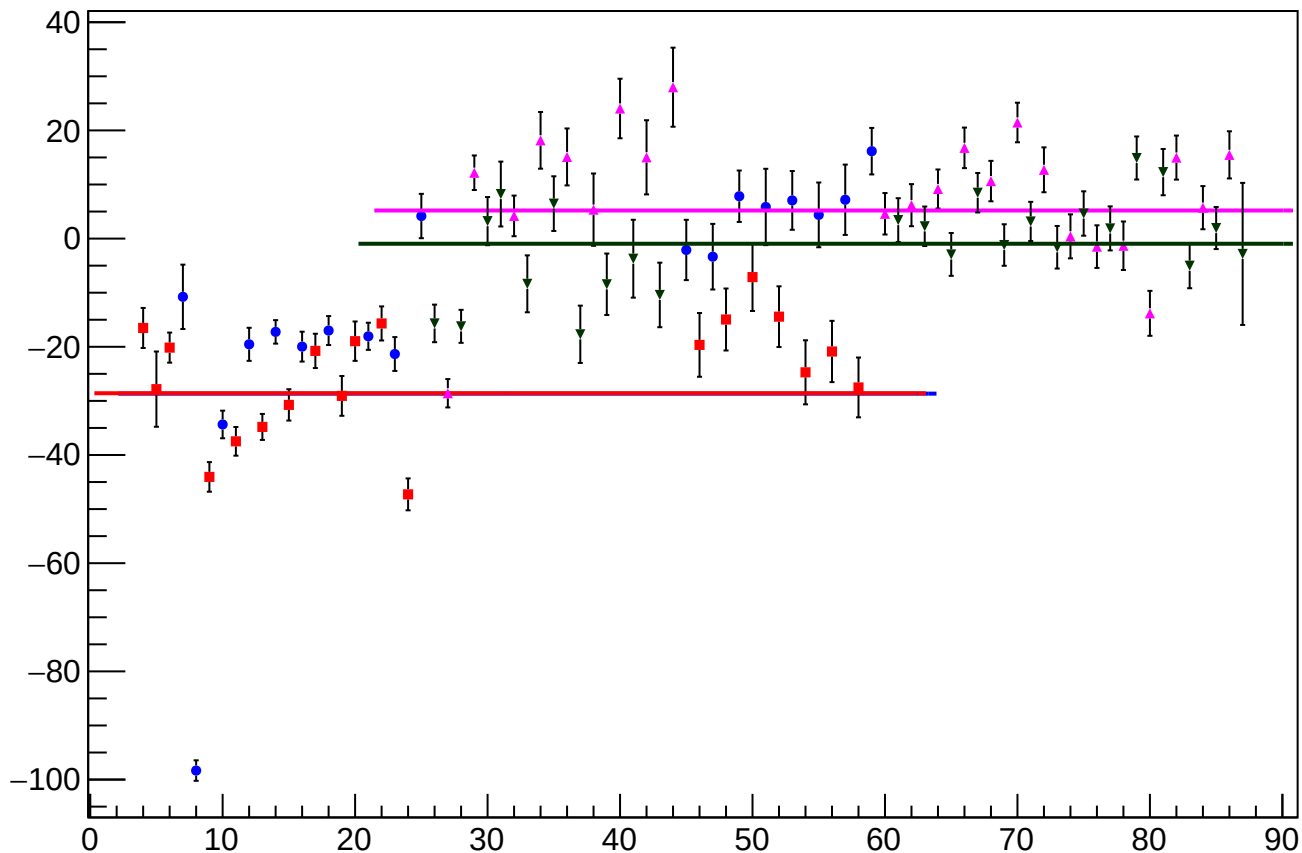
Right Out: 5235.469+/-1.173 χ^2/NDF : 47165.0/18

Left In: 5631.695+/-1.137 χ^2/NDF : 1207082.6/22

5447.204+/-0.809 χ^2/NDF : 1245306.5/41

5439.855+/-0.817 χ^2/NDF : 1313060.5/41

diff_bpm0l03Y_mean vs slug



Right In: -28.657 ± 0.782 χ^2/NDF : 1857.6/17

Left Out: -0.953 ± 0.874 χ^2/NDF : 104.4/23

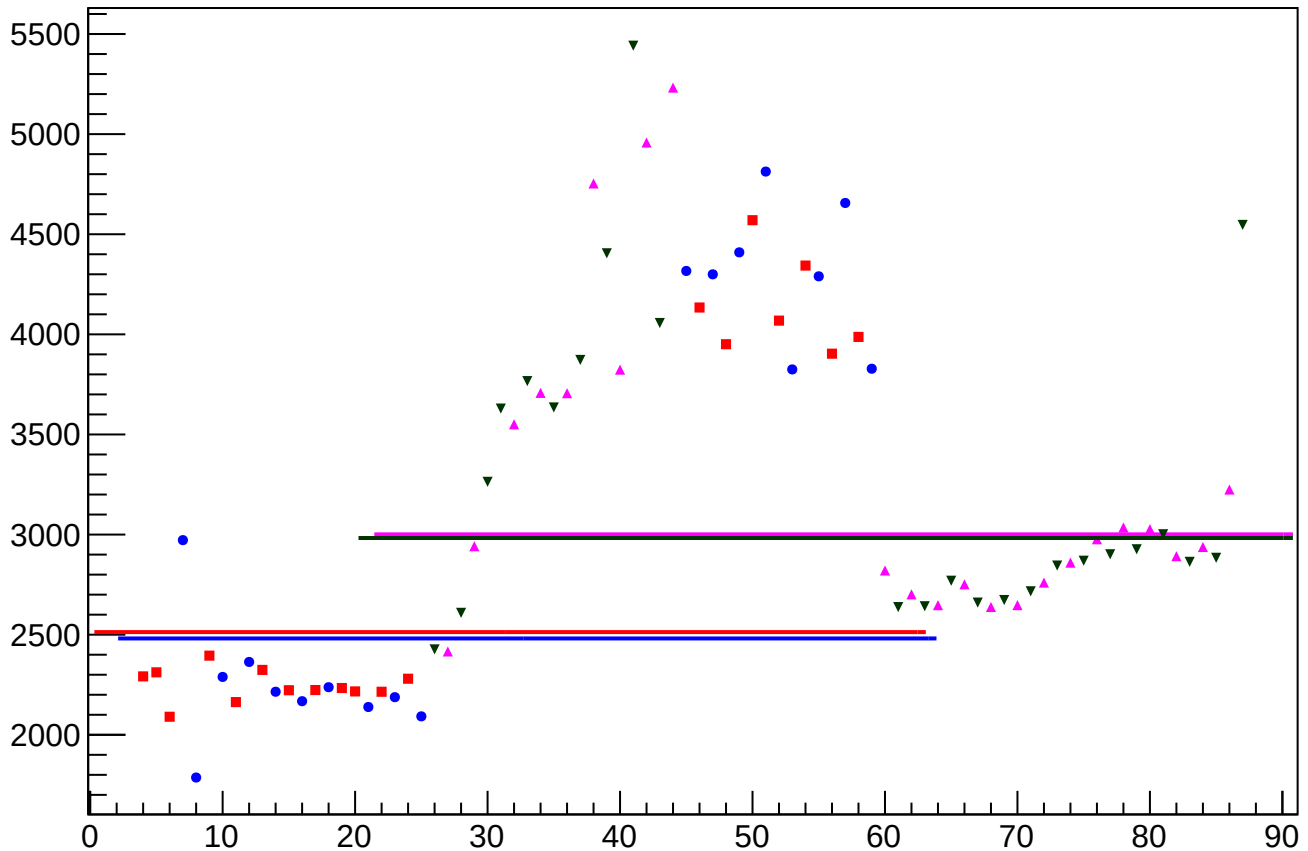
Right Out: -28.584 ± 0.826 χ^2/NDF : 168.7/18

Left In: 5.193 ± 0.852 χ^2/NDF : 278.9/22

-16.339 ± 0.583 χ^2/NDF : 2519.9/41

-12.210 ± 0.593 χ^2/NDF : 1257.4/41

diff_bpm0l03Y_rms vs slug



Right In: 2481.193+/-0.553 χ^2/NDF : 2112375.4/17

Left Out: 2982.826+/-0.618 χ^2/NDF : 784038.4/23

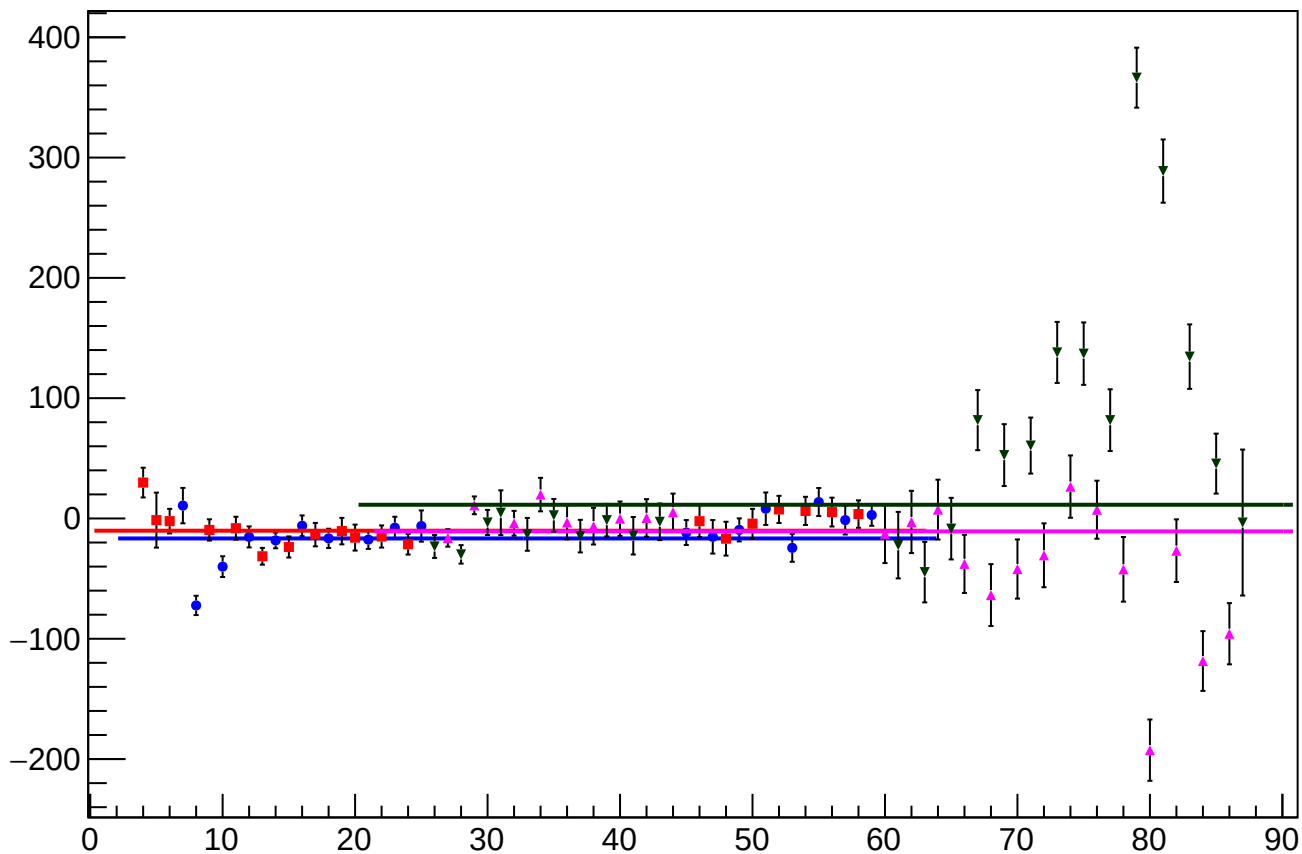
2704.242+/-0.412 χ^2/NDF : 3262295.0/41

Right Out: 2512.934+/-0.584 χ^2/NDF : 1298593.5/18

2749.553+/-0.419 χ^2/NDF : 2482464.1/41

Left In: 3001.033+/-0.602 χ^2/NDF : 845661.3/22

diff_bpm0l04X_mean vs slug



Right In: -16.612 ± 2.242 χ^2/NDF : 79.9/17

Left Out: 11.395 ± 3.328 χ^2/NDF : 471.0/23

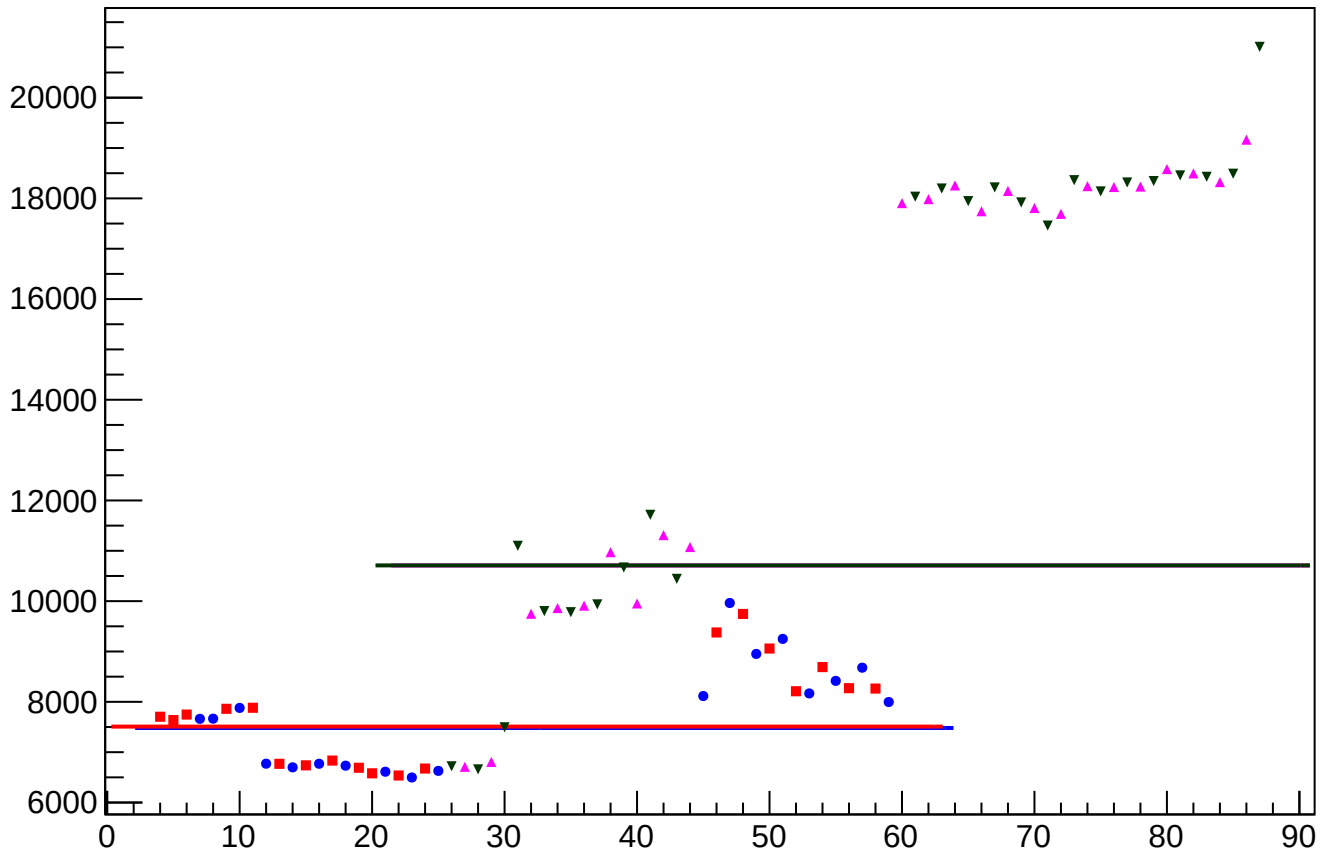
Right Out: -10.172 ± 2.389 χ^2/NDF : 33.7/18

Left In: -10.742 ± 3.220 χ^2/NDF : 110.6/22

-7.871 ± 1.859 χ^2/NDF : 599.6/41

-10.374 ± 1.919 χ^2/NDF : 144.3/41

diff_bpm0l04X_rms vs slug



Right In: 7480.718+/-1.585 χ^2/NDF : 334863.0/17

Left Out: 10709.952+/-2.353 χ^2/NDF :3411768.4/23

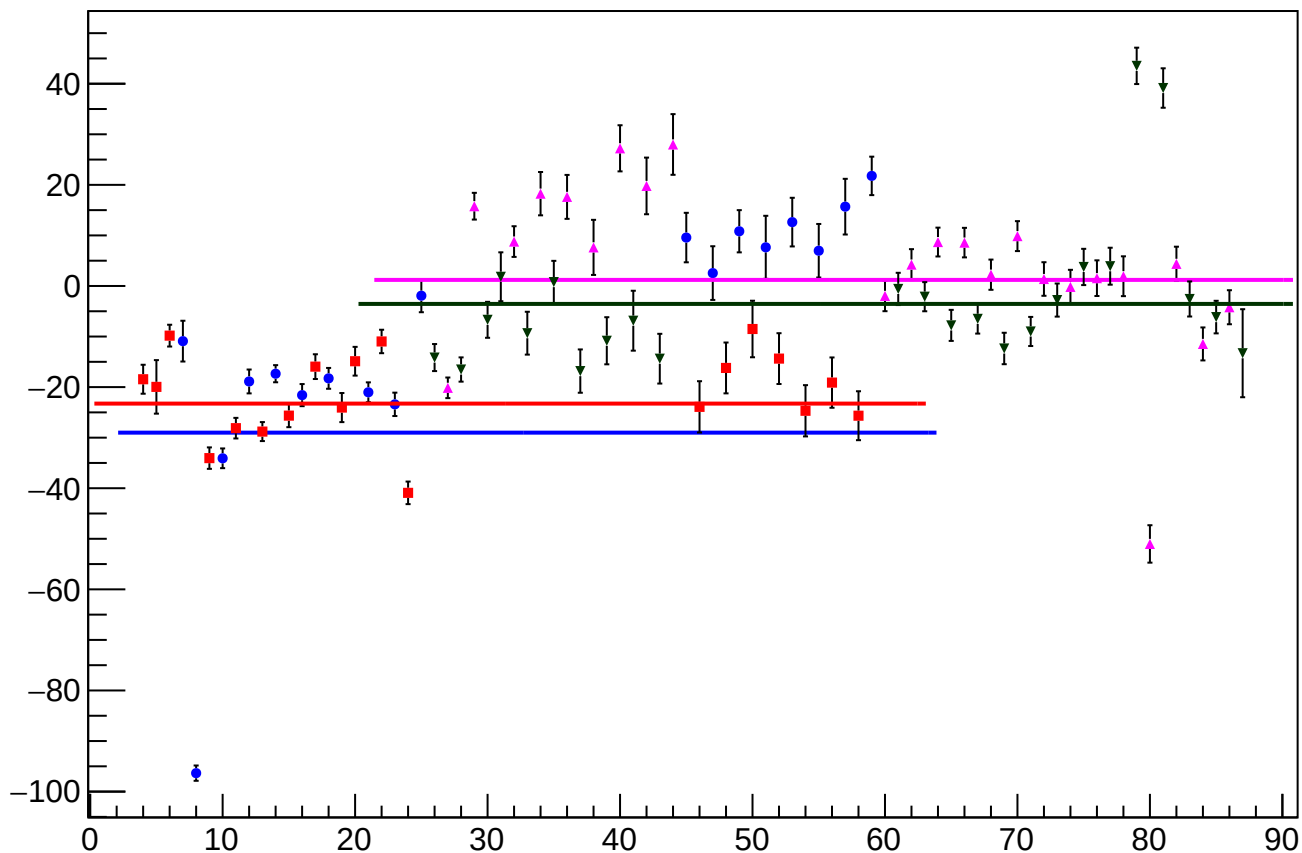
Right Out: 7508.240+/-1.689 χ^2/NDF : 289453.4/18

Left In: 10708.062+/-2.277 χ^2/NDF :3669017.4/22

8488.544+/-1.315 χ^2/NDF : 5041855.6/41

8644.169+/-1.357 χ^2/NDF : 5232159.6/41

diff_bpm0l04Y_mean vs slug



Right In: -29.007 ± 0.618 $\chi^2/\text{NDF}: 2792.0/17$

Left Out: -3.548 ± 0.713 $\chi^2/\text{NDF}: 384.1/23$

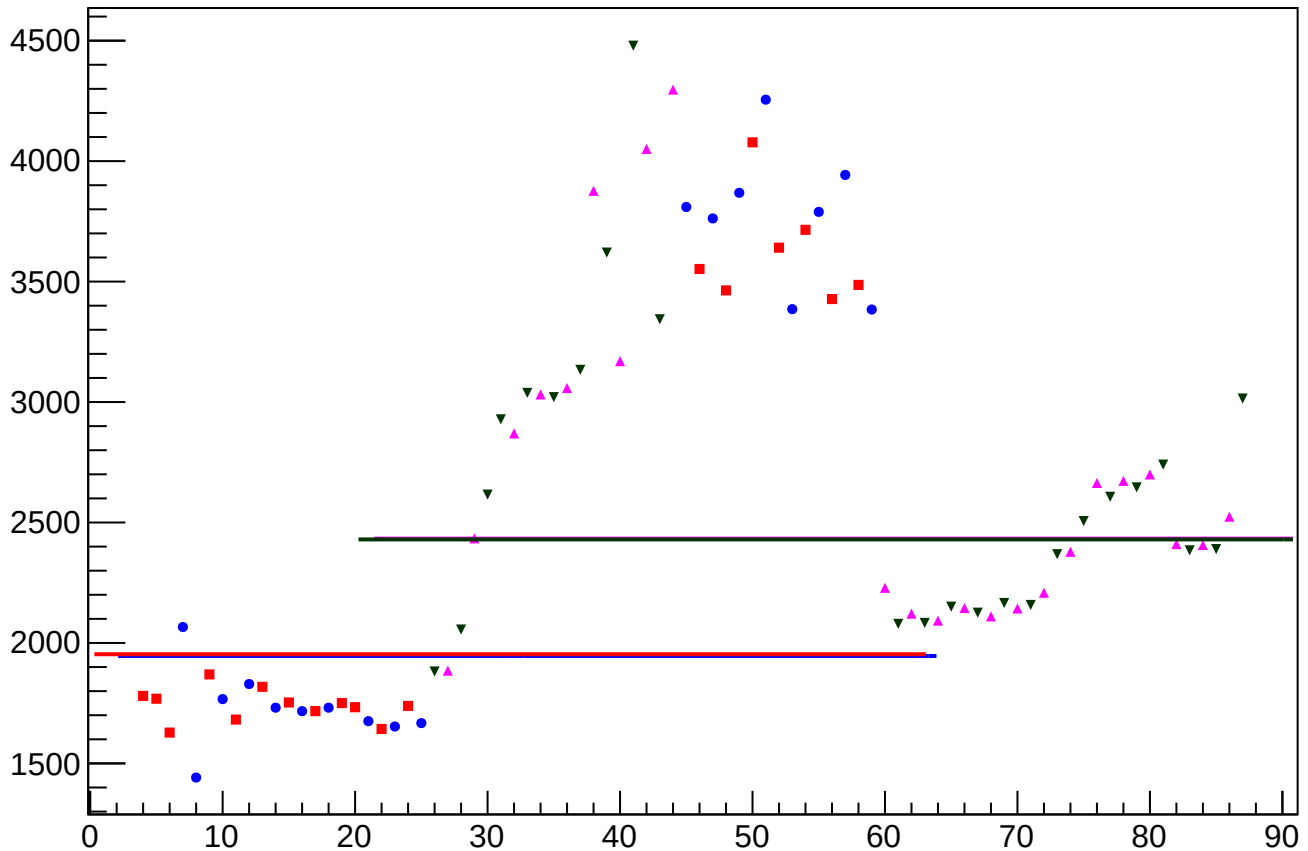
Right Out: -23.263 ± 0.648 $\chi^2/\text{NDF}: 204.8/18$

Left In: 1.203 ± 0.692 $\chi^2/\text{NDF}: 483.1/22$

-18.080 ± 0.467 $\chi^2/\text{NDF}: 3903.7/41$

-11.831 ± 0.473 $\chi^2/\text{NDF}: 1354.1/41$

diff_bpm0l04Y_rms vs slug



Right In: 1945.876+/-0.437 χ^2/NDF : 2599522.0/17

Left Out: 2429.771+/-0.504 χ^2/NDF : 892624.8/23

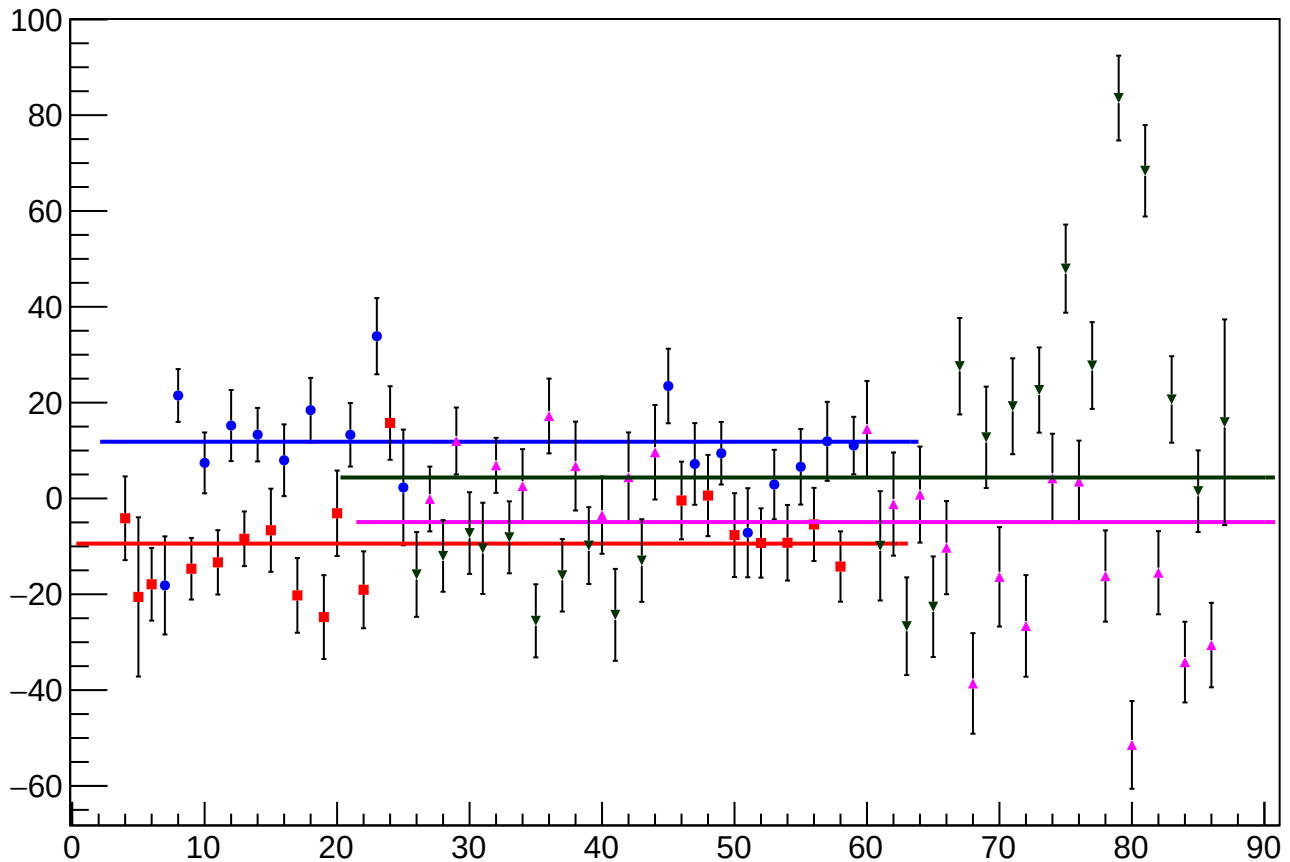
2153.552+/-0.330 χ^2/NDF : 4017854.5/41

Right Out: 1953.157+/-0.458 χ^2/NDF : 1725858.1/18

2177.432+/-0.334 χ^2/NDF : 3215603.9/41

Left In: 2433.137+/-0.489 χ^2/NDF : 976943.3/22

diff_bpm0l05X_mean vs slug



Right In: 11.837 ± 1.701 $\chi^2/\text{NDF}: 30.8/17$

Left Out: 4.374 ± 1.852 $\chi^2/\text{NDF}: 243.5/23$

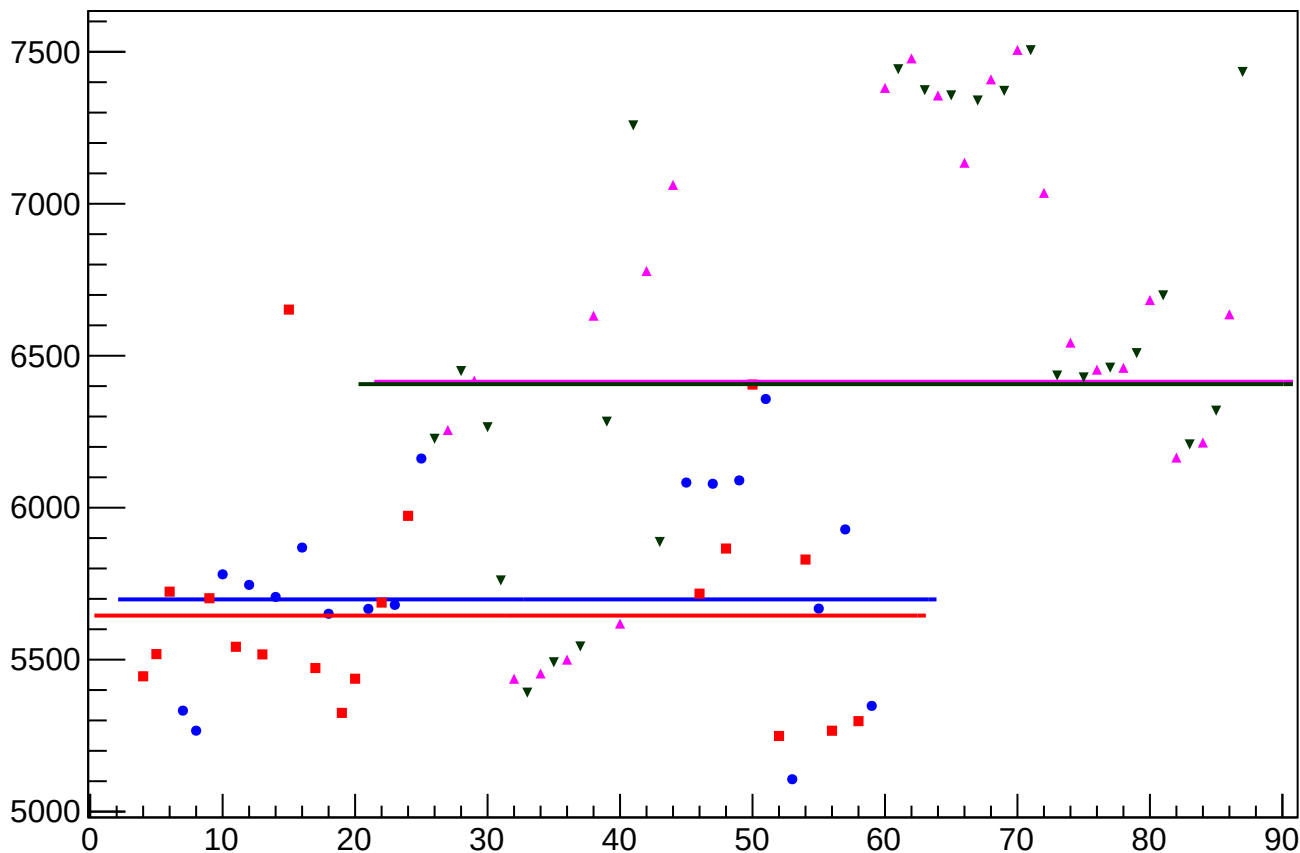
Right Out: -9.425 ± 1.790 $\chi^2/\text{NDF}: 24.3/18$

Left In: -4.931 ± 1.797 $\chi^2/\text{NDF}: 95.8/22$

8.422 ± 1.253 $\chi^2/\text{NDF}: 283.1/41$

-7.187 ± 1.268 $\chi^2/\text{NDF}: 123.2/41$

diff_bpm0l05X_rms vs slug



Right In: 5698.250+/-1.203 χ^2/NDF : 67217.8/17

Left Out: 6406.541+/-1.310 χ^2/NDF : 242226.3/23

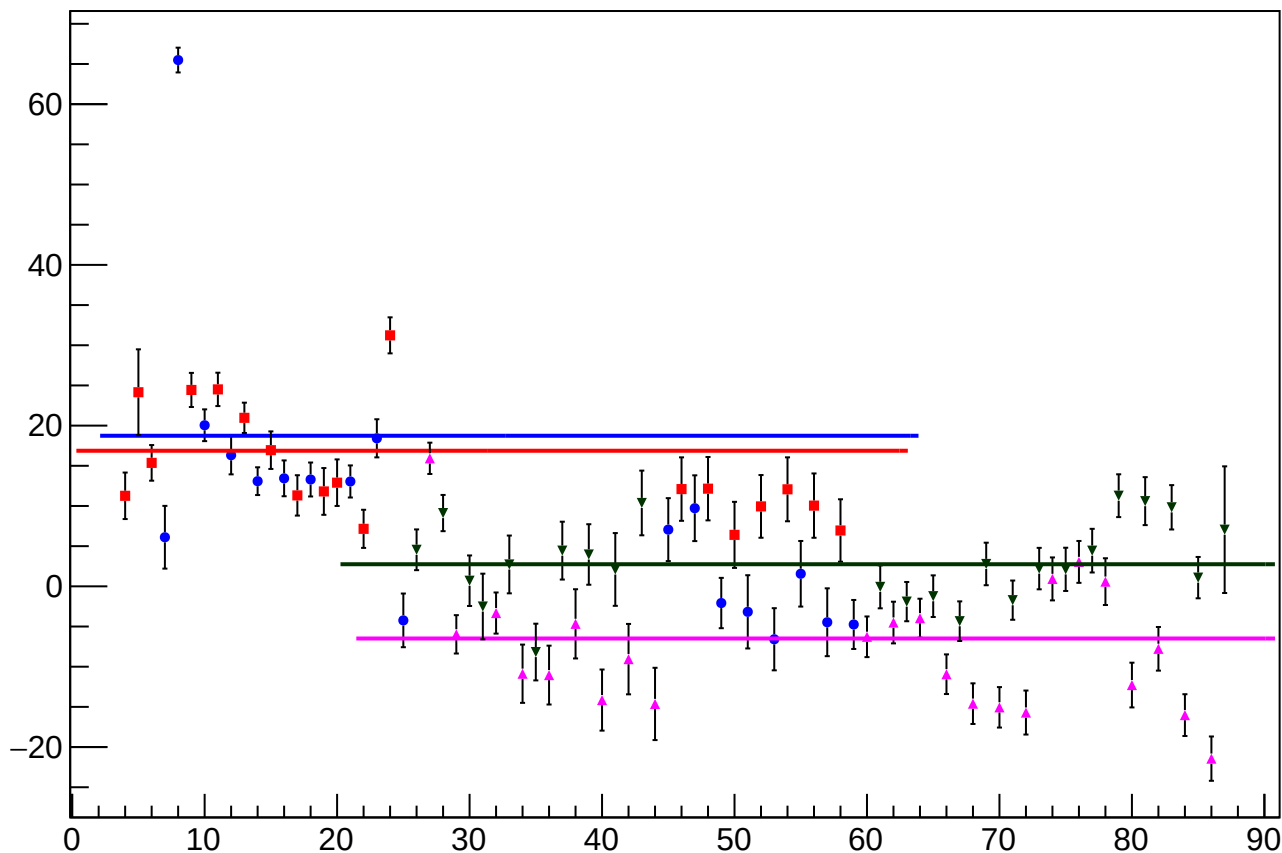
Right Out: 5644.999+/-1.266 χ^2/NDF : 71475.4/18

Left In: 6414.291+/-1.271 χ^2/NDF : 269771.6/22

6022.337+/-0.886 χ^2/NDF : 468087.5/41

6028.090+/-0.897 χ^2/NDF : 525210.5/41

diff_bpm0l05Y_mean vs slug



Right In: 18.738 $\pm$ 0.602 χ^2 /NDF: 1241.3/17

Left Out: 2.751 $\pm$ 0.594 χ^2 /NDF: 67.8/23

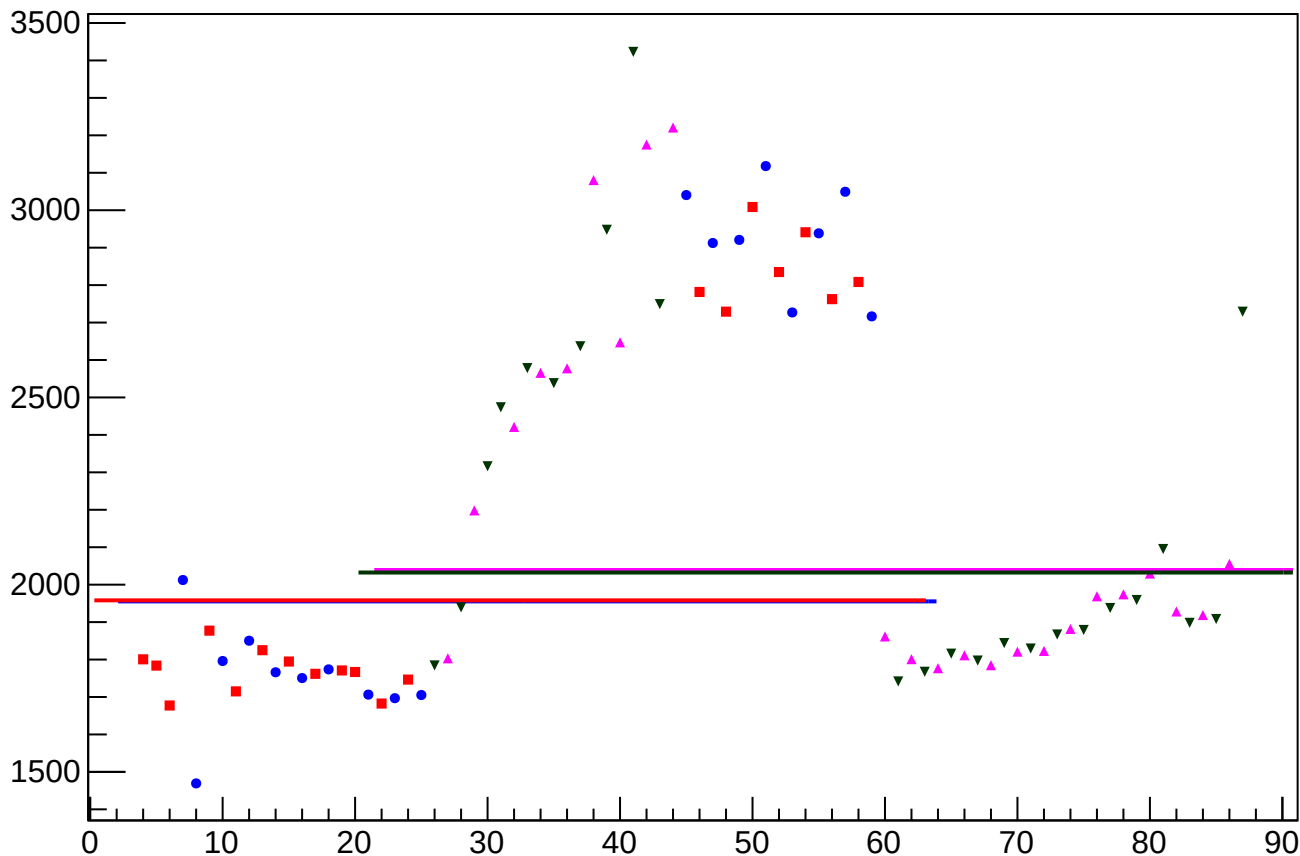
Right Out: 16.874 $\pm$ 0.633 χ^2 /NDF: 128.0/18

Left In: -6.491 $\pm$ 0.577 χ^2 /NDF: 257.4/22

10.639 $\pm$ 0.423 χ^2 /NDF: 1666.8/41

4.107 $\pm$ 0.426 χ^2 /NDF: 1129.4/41

diff_bpm0l05Y_rms vs slug



Right In: 1955.370 $\pm$ 0.425 χ^2 /NDF: 1375682.1/17

Left Out: 2032.458 $\pm$ 0.420 χ^2 /NDF: 724013.5/23

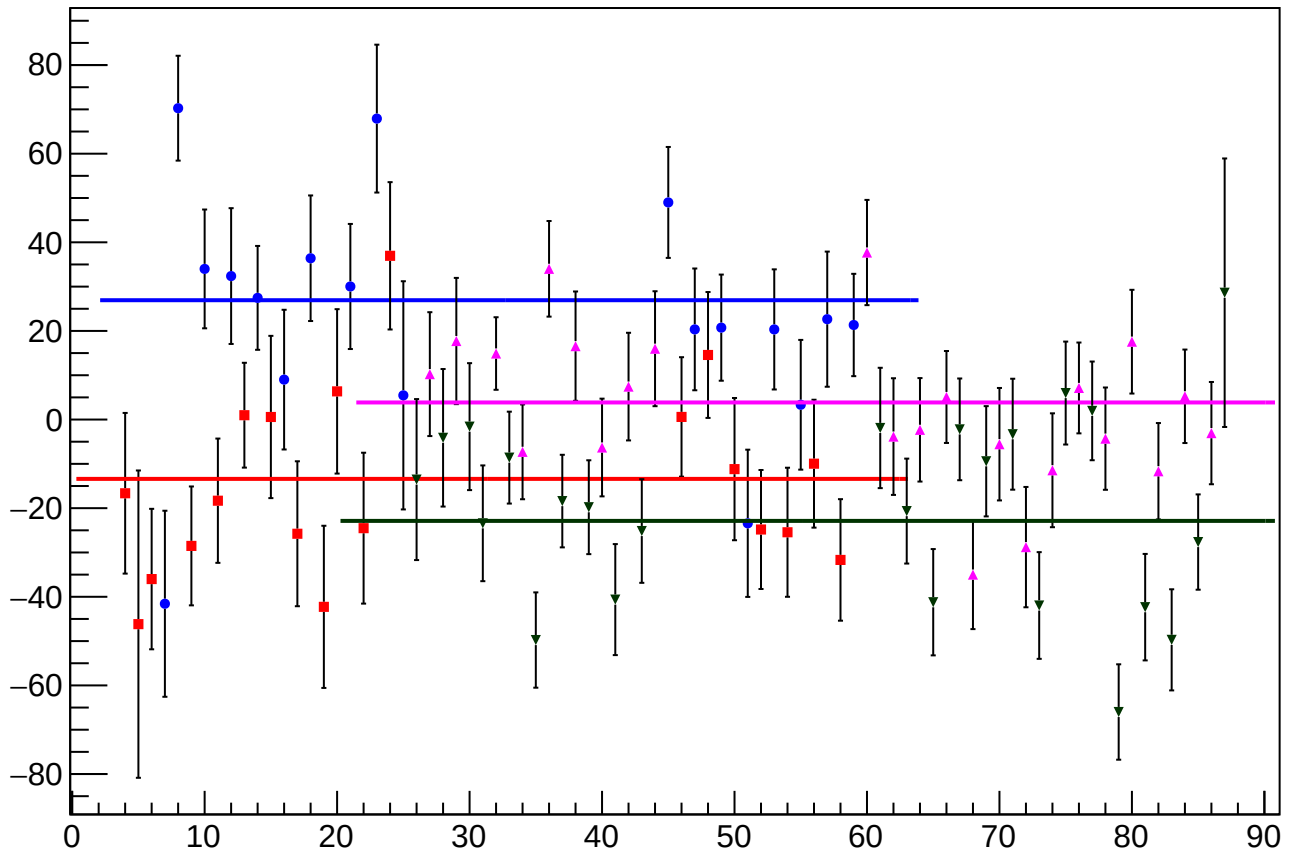
Right Out: 1958.115 $\pm$ 0.448 χ^2 /NDF: 858074.3/18

Left In: 2039.182 $\pm$ 0.408 χ^2 /NDF: 741014.1/22

1994.424 $\pm$ 0.299 χ^2 /NDF: 2116329.0/41

2002.411 $\pm$ 0.302 χ^2 /NDF: 1616999.8/41

diff_bpm0l06X_mean vs slug



Right In: 26.931 ± 3.337 χ^2/NDF : 48.9/17

Left Out: -22.873 ± 2.478 χ^2/NDF : 67.0/23

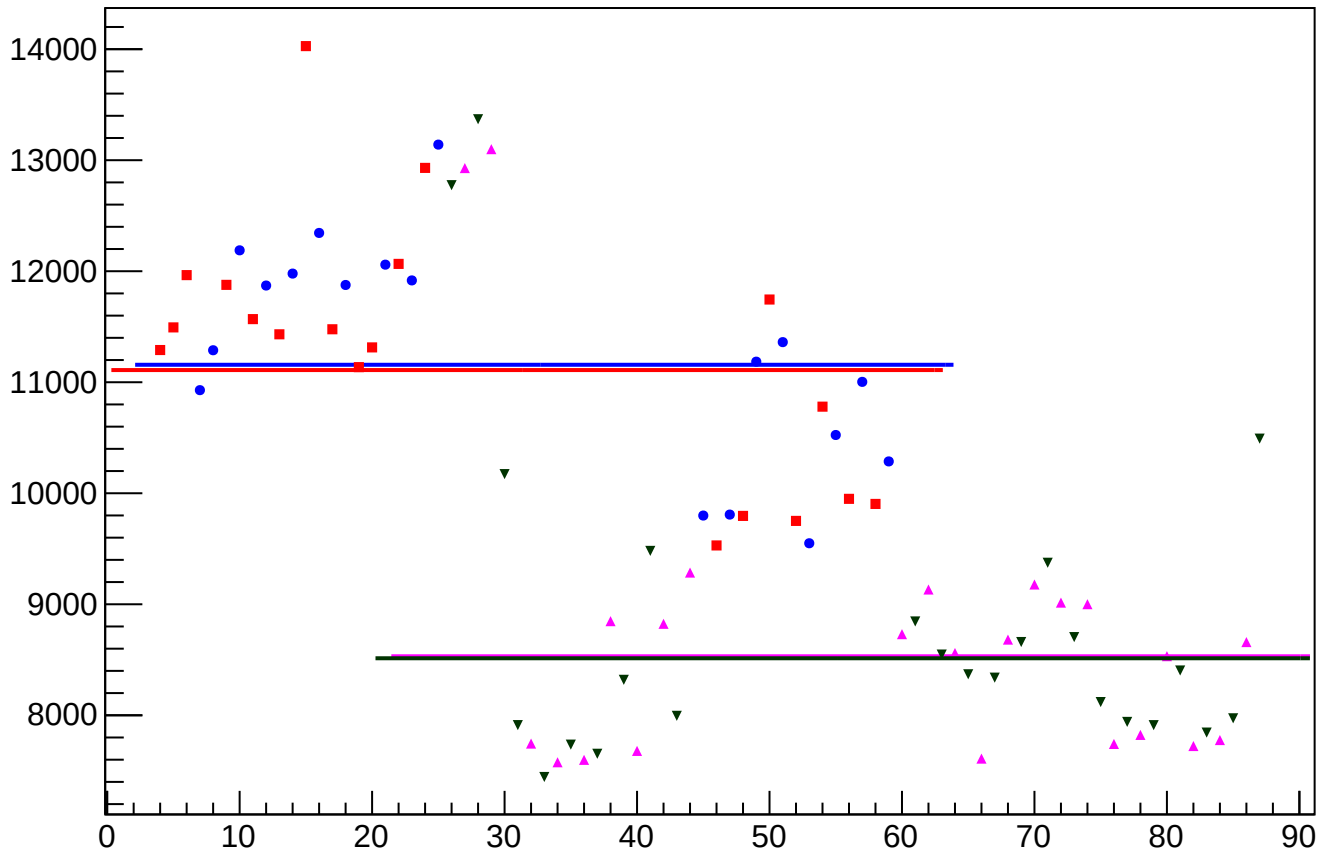
Right Out: -13.392 ± 3.535 χ^2/NDF : 28.4/18

Left In: 3.855 ± 2.405 χ^2/NDF : 45.6/22

-5.172 ± 1.989 χ^2/NDF : 259.5/41

-1.604 ± 1.988 χ^2/NDF : 90.3/41

diff_bpm0l06X_rms vs slug



Right In: 11157.335 $\pm$ 2.359 χ^2 /NDF: 153724.7/17

Left Out: 8513.643 $\pm$ 1.752 χ^2 /NDF:445382.1/23

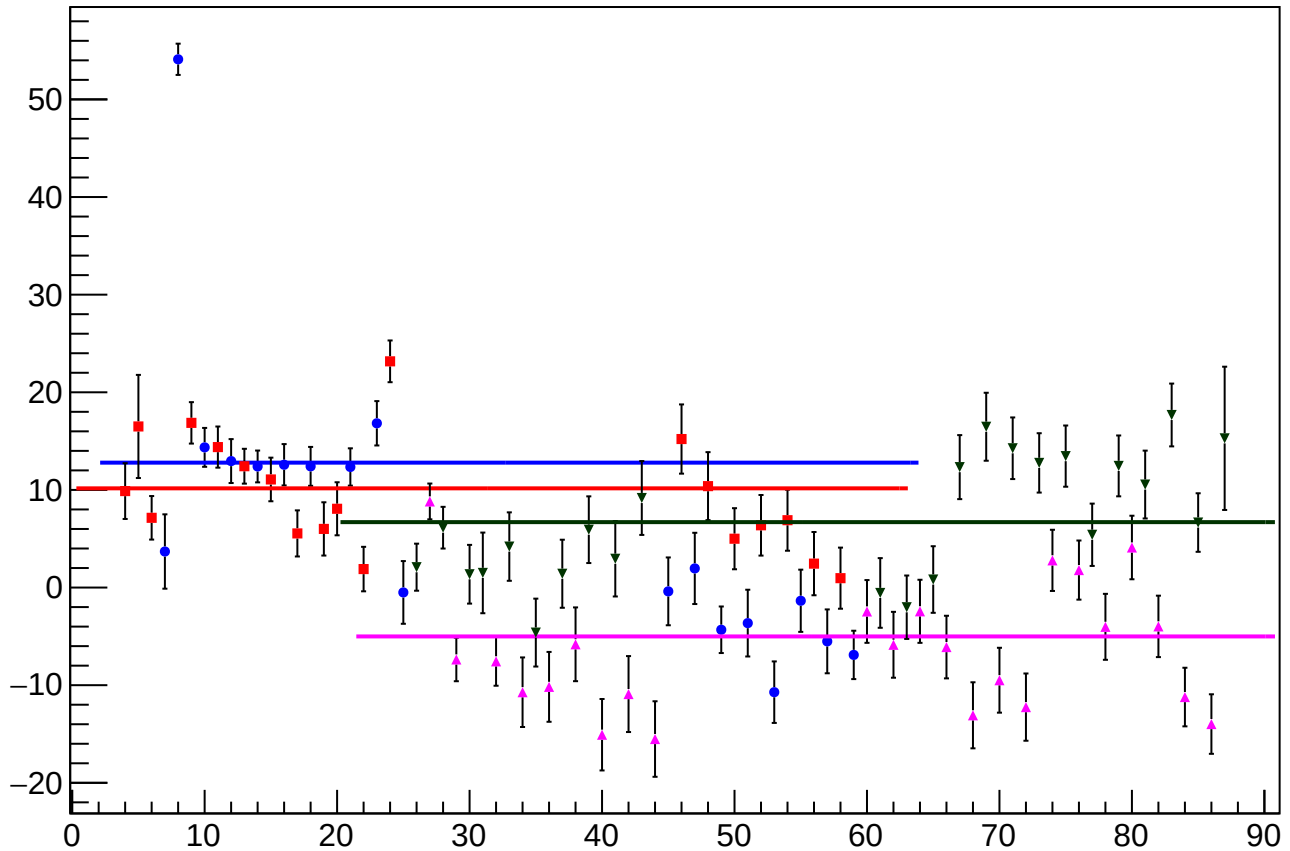
9453.206 $\pm$ 1.407 χ^2 /NDF: 1408364.3/41

Right Out: 11109.639 $\pm$ 2.499 χ^2 /NDF: 196396.7/18

9347.490 $\pm$ 1.406 χ^2 /NDF: 1469905.4/41

Left In: 8531.554 $\pm$ 1.701 χ^2 /NDF:546260.4/22

diff_bpm0l06Y_mean vs slug



Right In: 12.794 ± 0.559 χ^2/NDF : 961.0/17

Left Out: 6.701 ± 0.662 χ^2/NDF : 80.6/23

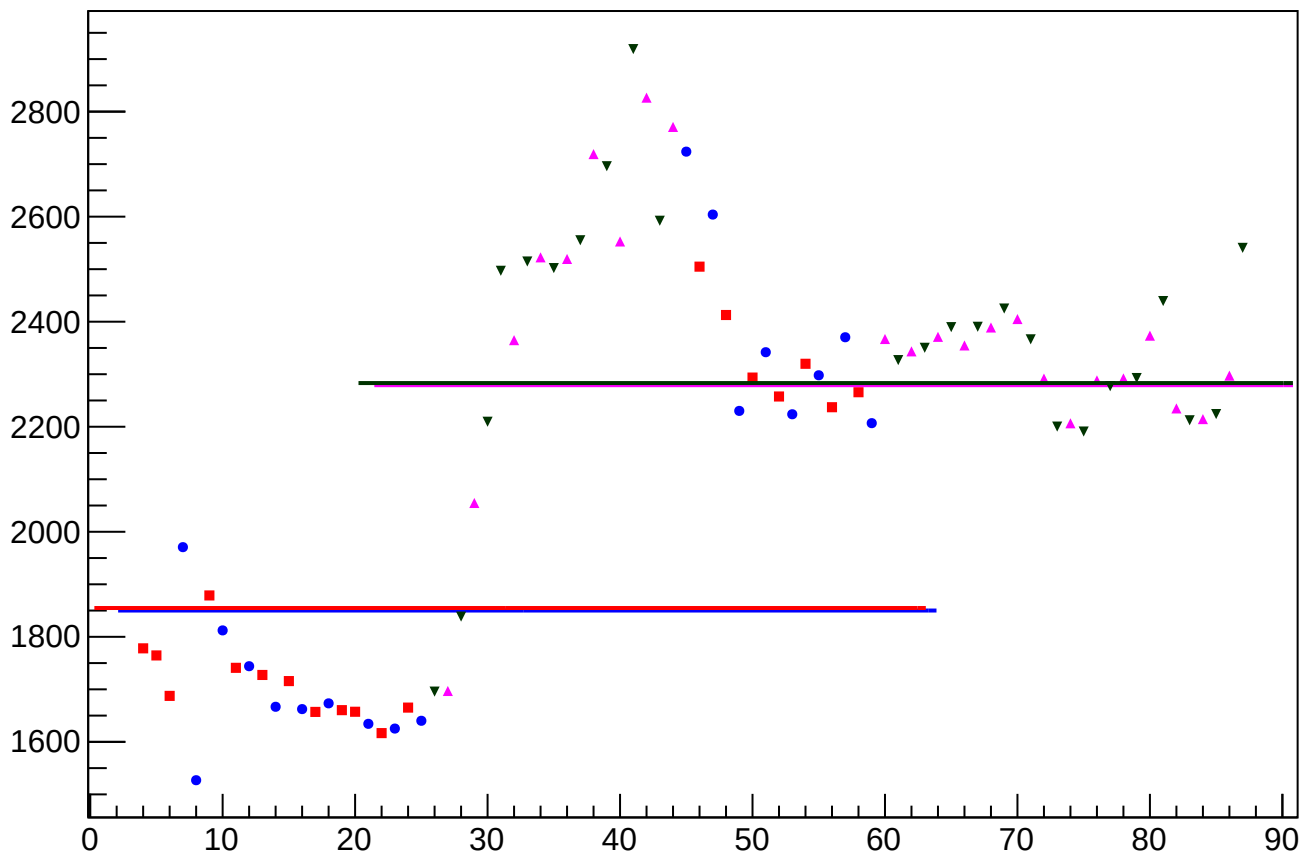
Right Out: 10.162 ± 0.592 χ^2/NDF : 97.7/18

Left In: -5.006 ± 0.639 χ^2/NDF : 126.6/22

10.256 ± 0.427 χ^2/NDF : 1091.1/41

3.157 ± 0.435 χ^2/NDF : 527.1/41

diff_bpm0l06Y_rms vs slug



Right In: 1850.054+/-0.395 χ^2/NDF : 663006.9/17

Left Out: 2283.166+/-0.468 χ^2/NDF : 359135.2/23

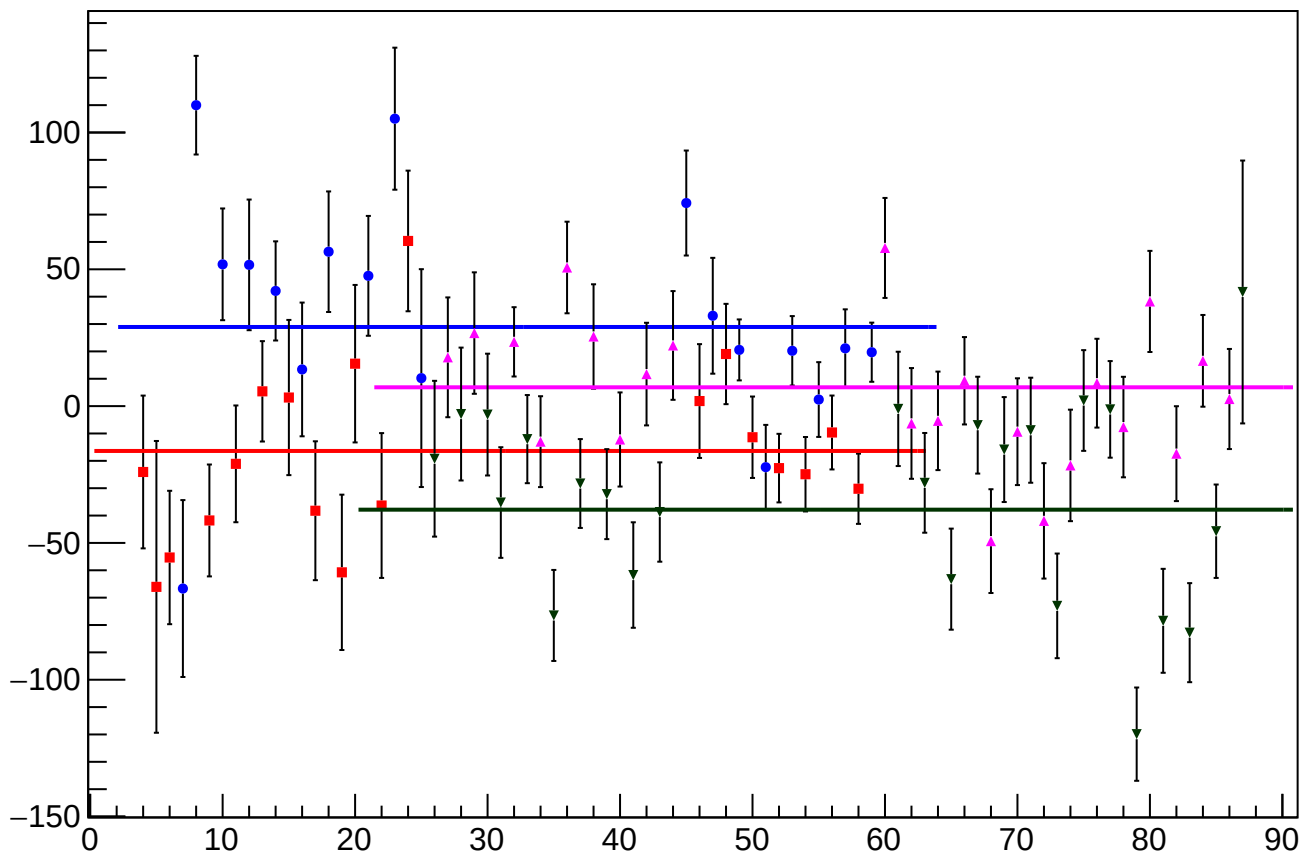
Right Out: 1854.854+/-0.419 χ^2/NDF : 407929.4/18

Left In: 2279.116+/-0.452 χ^2/NDF : 367130.9/22

2030.477+/-0.302 χ^2/NDF : 1522335.2/41

2050.786+/-0.307 χ^2/NDF : 1248928.7/41

diff_bpm0l07X_mean vs slug



Right In: 28.924 ± 4.035 $\chi^2/\text{NDF}: 65.6/17$

Left Out: -37.847 ± 3.864 $\chi^2/\text{NDF}: 76.1/23$

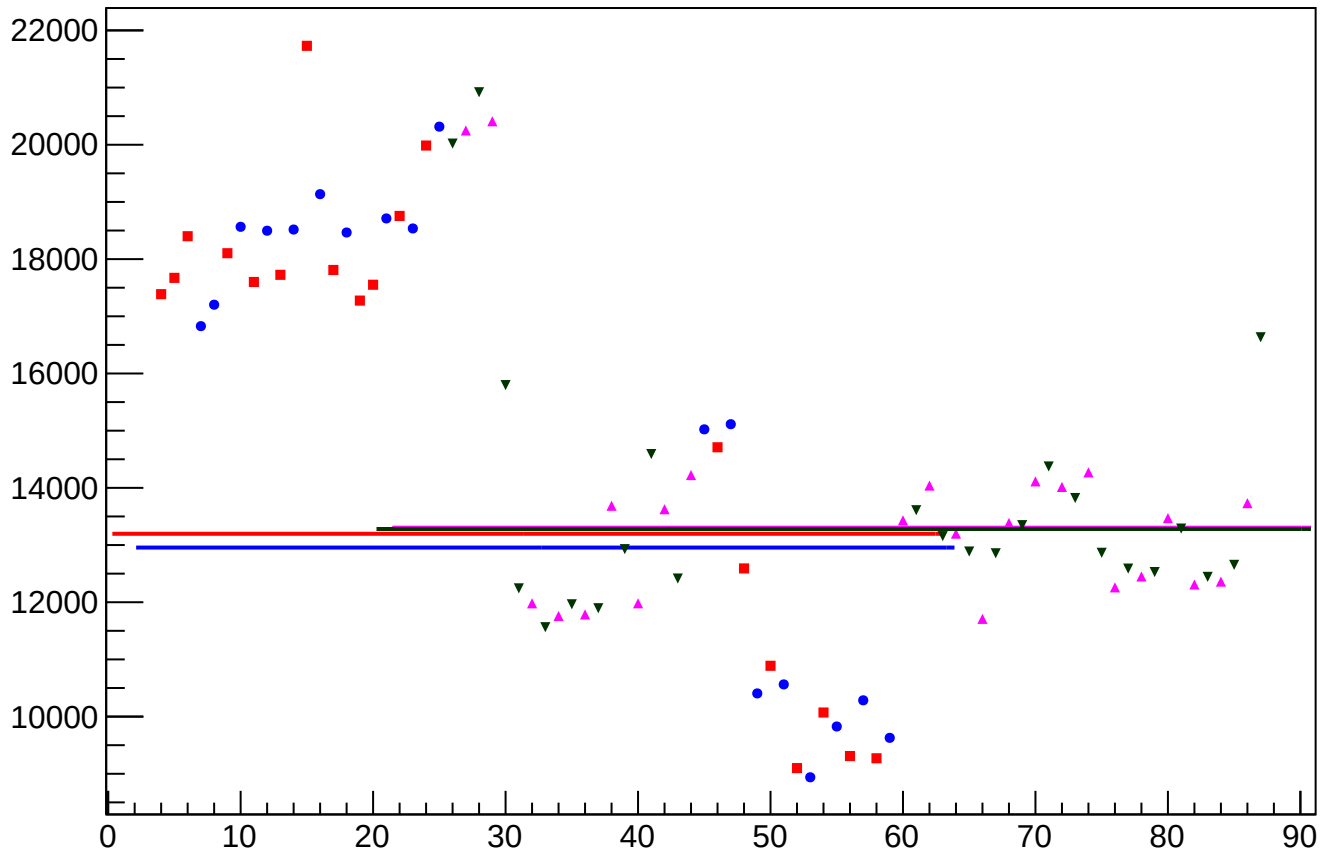
Right Out: -16.388 ± 4.377 $\chi^2/\text{NDF}: 27.5/18$

Left In: 6.877 ± 3.750 $\chi^2/\text{NDF}: 45.2/22$

-5.905 ± 2.791 $\chi^2/\text{NDF}: 284.5/41$

-2.971 ± 2.848 $\chi^2/\text{NDF}: 89.1/41$

diff_bpm0l07X_rms vs slug



Right In: 12955.913+/-2.853 χ^2/NDF : 1900634.7/17

Left Out: 13280.468+/-2.732 χ^2/NDF : 440801.4/23

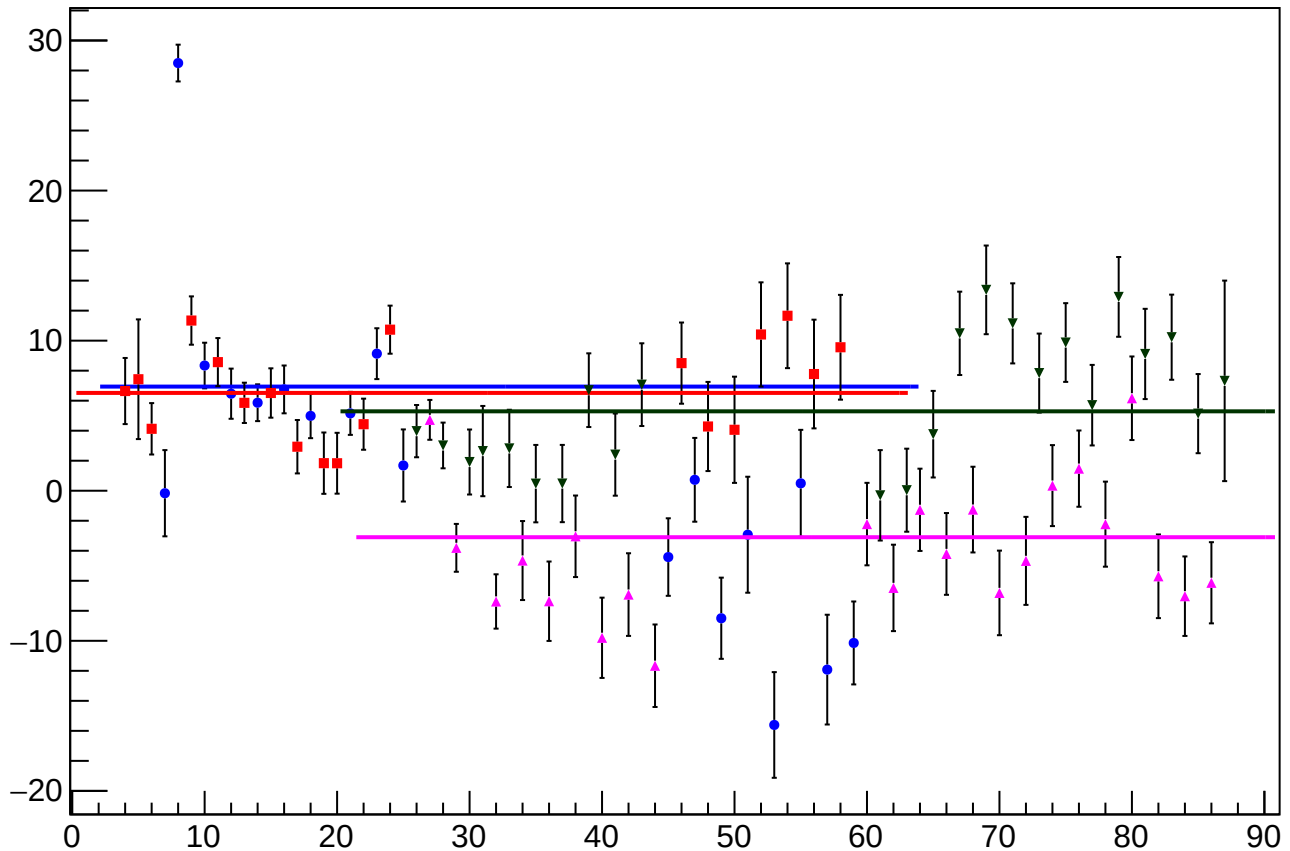
13125.208+/-1.973 χ^2/NDF : 2348185.2/41

Right Out: 13197.185+/-3.095 χ^2/NDF : 1767752.6/18

13258.698+/-2.014 χ^2/NDF : 2307625.0/41

Left In: 13303.843+/-2.651 χ^2/NDF : 539187.5/22

diff_bpm0l07Y_mean vs slug



Right In: 6.939 ± 0.450 $\chi^2/\text{NDF}: 499.6/17$

Left Out: 5.290 ± 0.521 $\chi^2/\text{NDF}: 55.9/23$

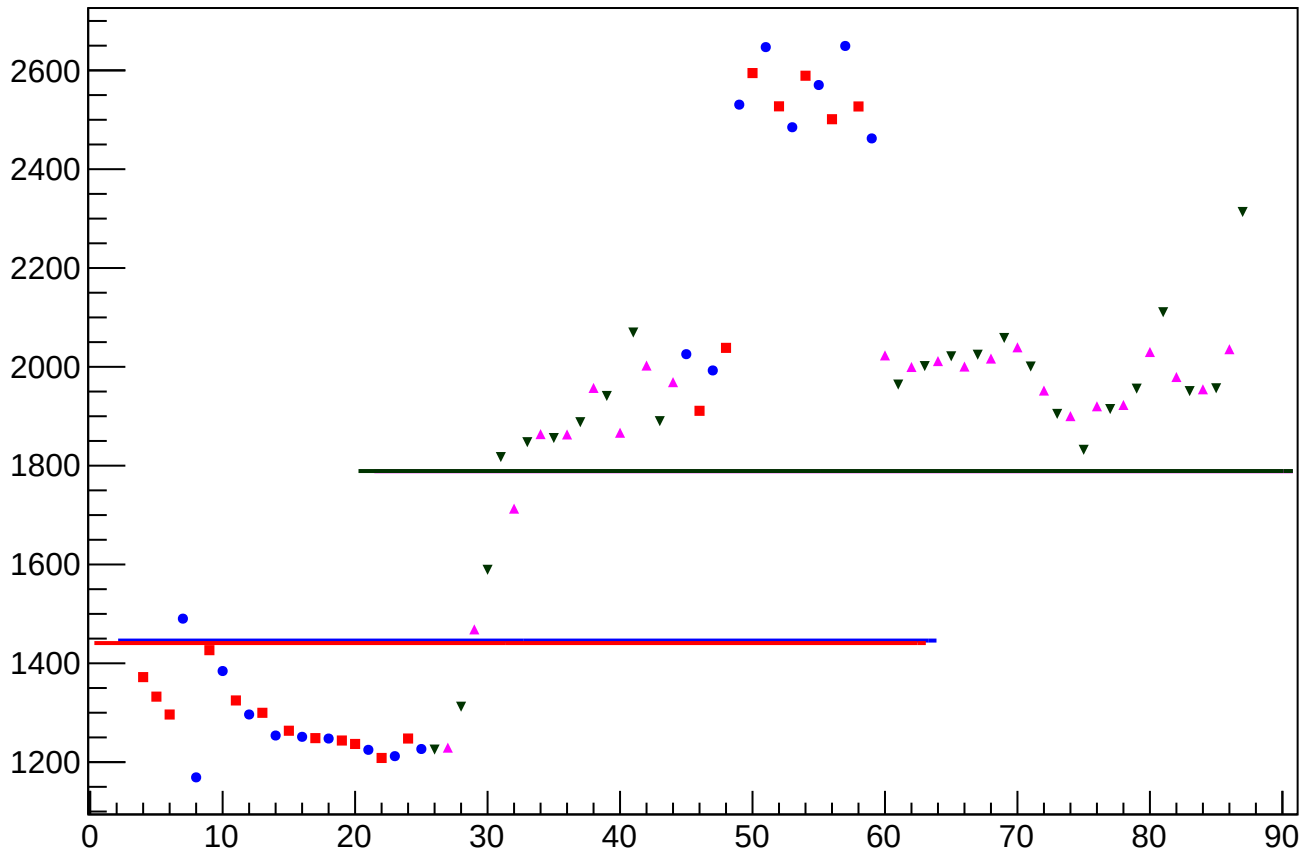
Right Out: 6.517 ± 0.472 $\chi^2/\text{NDF}: 41.8/18$

Left In: -3.097 ± 0.504 $\chi^2/\text{NDF}: 86.2/22$

6.235 ± 0.340 $\chi^2/\text{NDF}: 561.2/41$

2.032 ± 0.344 $\chi^2/\text{NDF}: 322.0/41$

diff_bpm0l07Y_rms vs slug



Right In: 1446.011+/-0.318 χ^2/NDF : 1891465.4/17

Left Out: 1789.115+/-0.368 χ^2/NDF : 601049.4/23

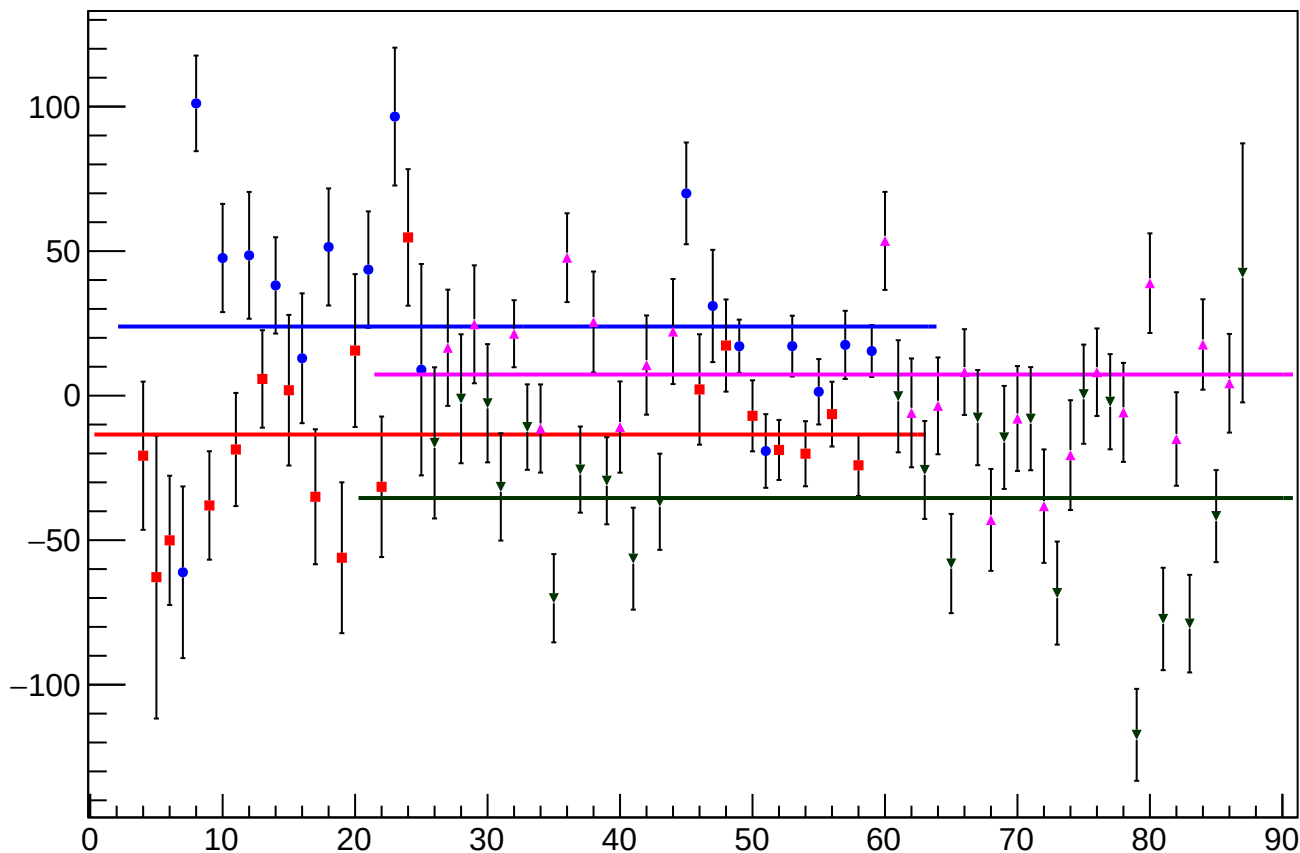
1592.477+/-0.241 χ^2/NDF : 2989699.9/41

Right Out: 1440.962+/-0.333 χ^2/NDF : 1333198.7/18

1603.172+/-0.244 χ^2/NDF : 2460385.3/41

Left In: 1788.653+/-0.357 χ^2/NDF : 619992.7/22

diff_bpm0l08X_mean vs slug



Right In: 23.908 $\pm$ 3.470 χ^2 /NDF: 70.6/17

Left Out: -35.421 $\pm$ 3.576 χ^2 /NDF:81.2/23

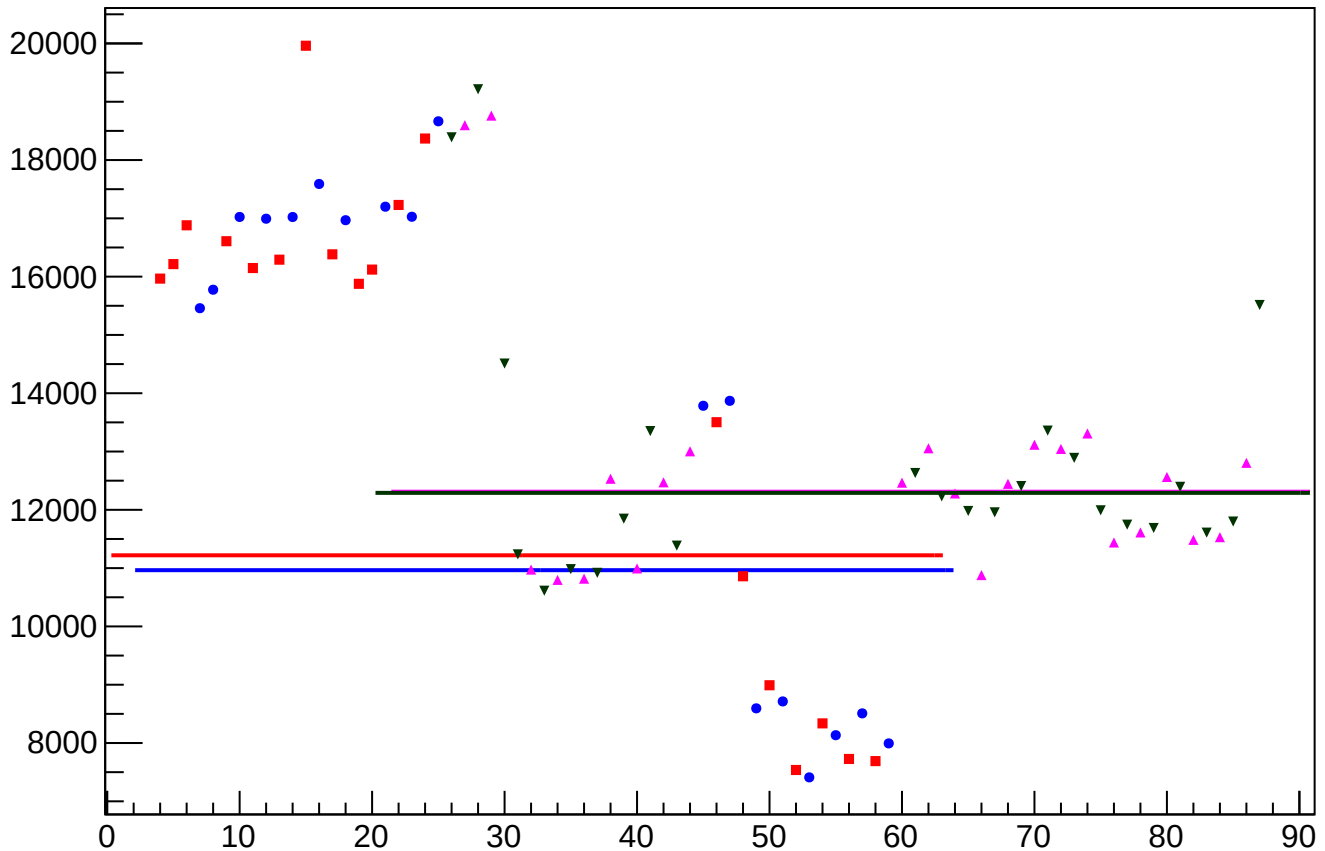
Right Out: -13.450 $\pm$ 3.783 χ^2 /NDF: 27.5/18

Left In: 7.313 $\pm$ 3.469 χ^2 /NDF:45.0/22

-4.863 $\pm$ 2.490 χ^2 /NDF: 293.6/41

-2.172 $\pm$ 2.557 χ^2 /NDF: 88.9/41

diff_bpm0l08X_rms vs slug



Right In: 10964.744+/-2.454 χ^2/NDF : 2550839.7/17

Left Out: 12291.067+/-2.529 χ^2/NDF : 436638.0/23

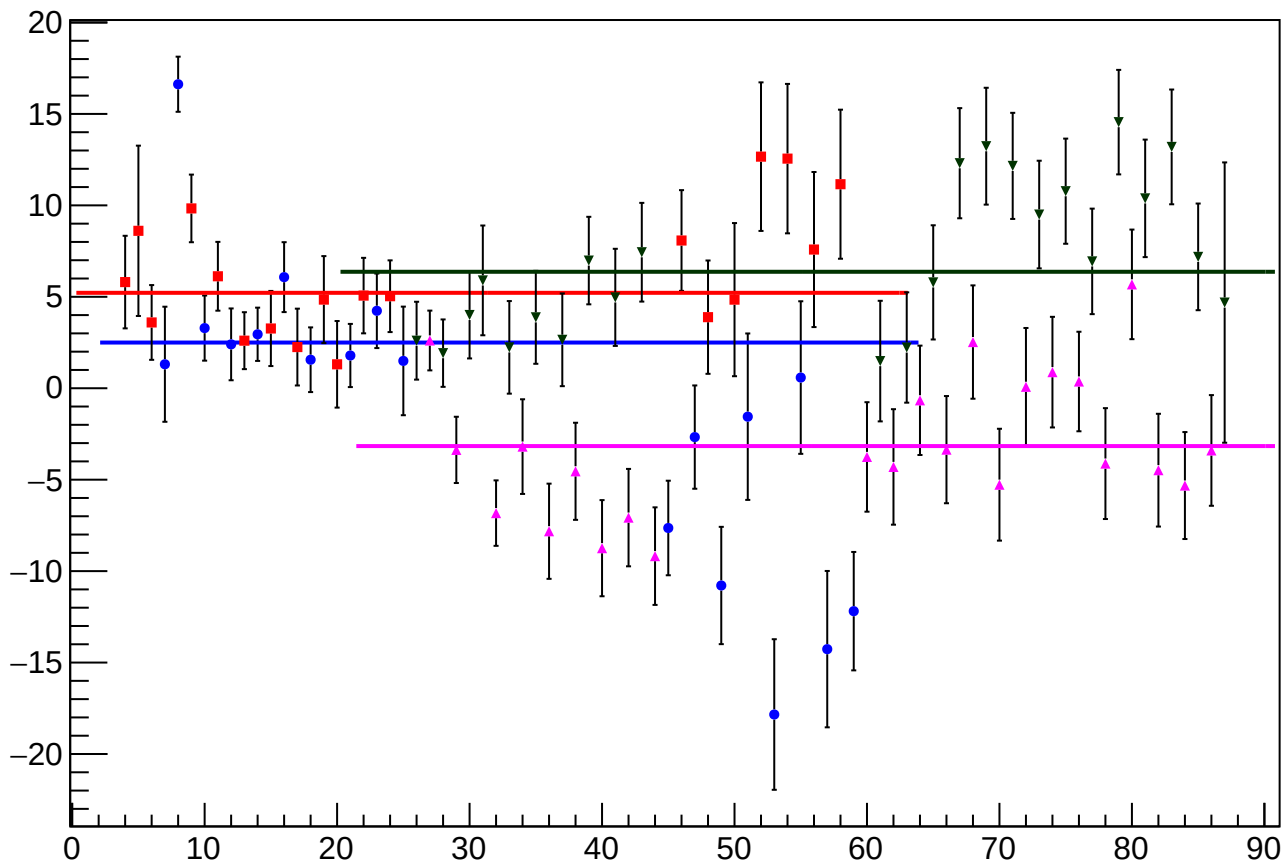
11607.943+/-1.761 χ^2/NDF : 3129180.7/41

Right Out: 11219.959+/-2.675 χ^2/NDF : 2343952.2/18

11812.615+/-1.808 χ^2/NDF : 2968709.9/41

Left In: 12311.051+/-2.453 χ^2/NDF : 534397.9/22

diff_bpm0l08Y_mean vs slug



Right In: 2.499 $\pm$ 0.530 χ^2 /NDF: 190.3/17

Left Out: 6.369 $\pm$ 0.562 χ^2 /NDF: 51.0/23

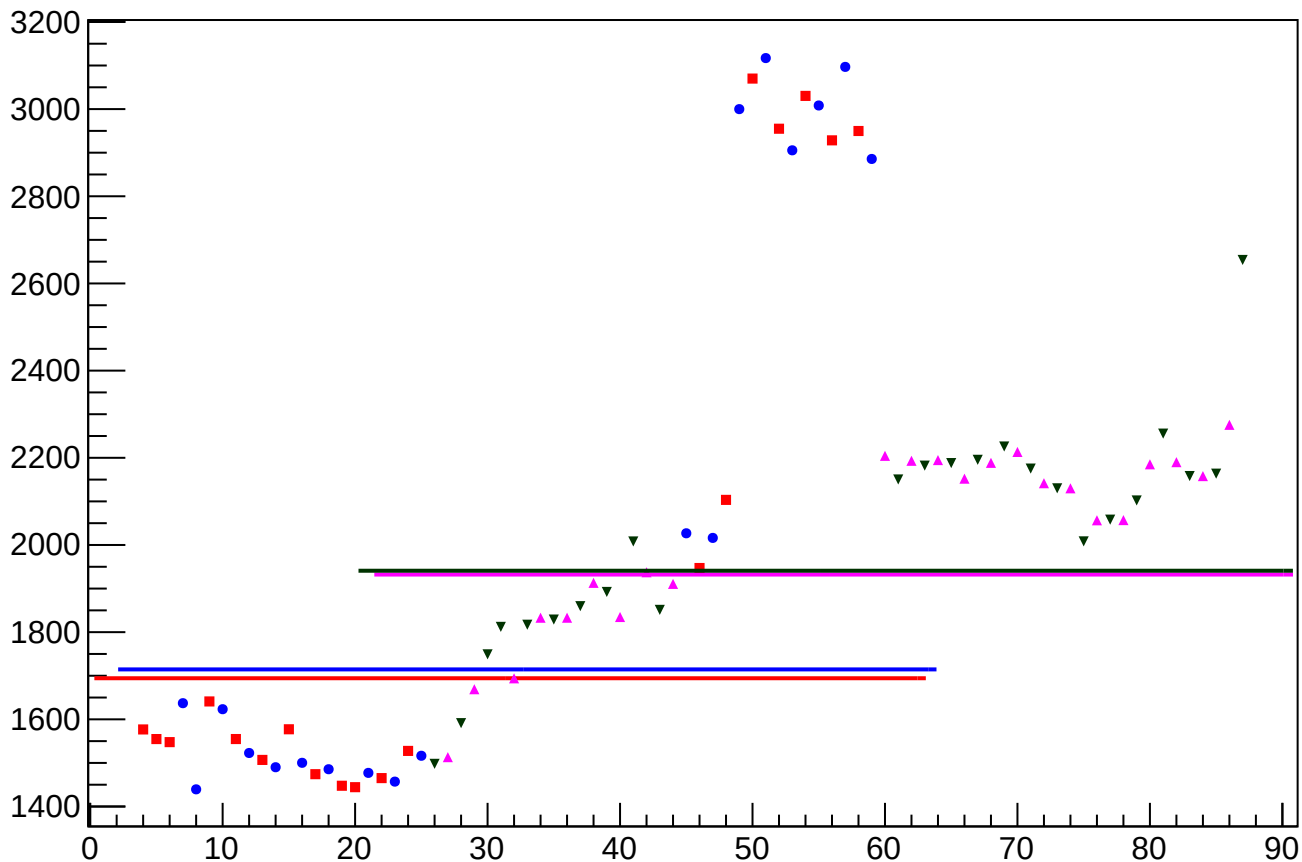
Right Out: 5.218 $\pm$ 0.553 χ^2 /NDF: 26.5/18

Left In: -3.162 $\pm$ 0.542 χ^2 /NDF: 50.7/22

4.321 $\pm$ 0.386 χ^2 /NDF: 266.4/41

0.948 $\pm$ 0.387 χ^2 /NDF: 194.2/41

diff_bpm0l08Y_rms vs slug



Right In: 1714.550+/-0.375 χ^2/NDF : 1670759.3/17

Left Out: 1940.916+/-0.397 χ^2/NDF : 343744.5/23

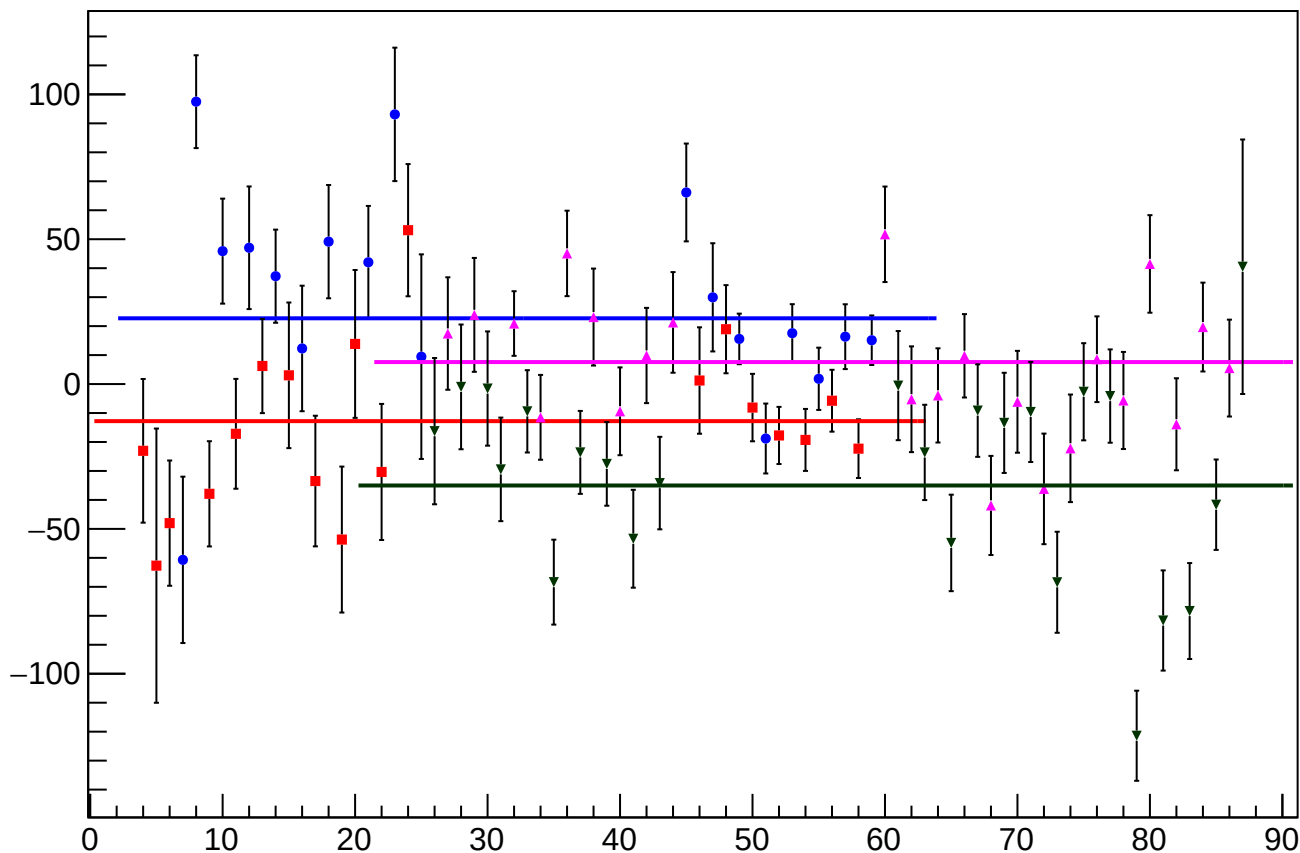
Right Out: 1694.263+/-0.391 χ^2/NDF : 1202765.8/18

Left In: 1932.164+/-0.383 χ^2/NDF : 395906.7/22

1821.160+/-0.273 χ^2/NDF : 2186205.8/41

1815.488+/-0.274 χ^2/NDF : 1787428.0/41

diff_bpm0l09X_mean vs slug



Right In: 22.698 ± 3.315 $\chi^2/\text{NDF}: 70.9/17$

Left Out: -35.017 ± 3.465 $\chi^2/\text{NDF}: 87.3/23$

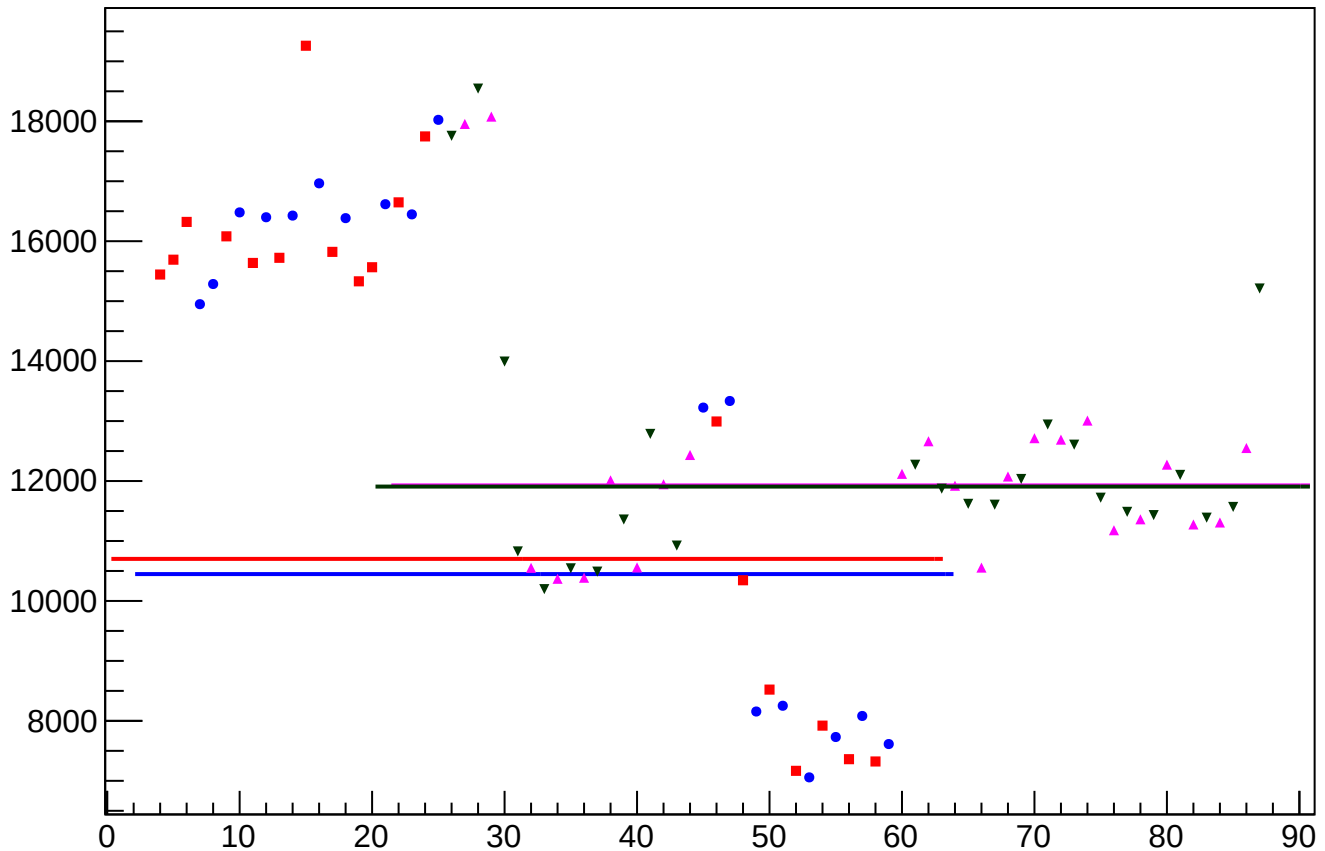
Right Out: -12.799 ± 3.618 $\chi^2/\text{NDF}: 28.2/18$

Left In: 7.593 ± 3.361 $\chi^2/\text{NDF}: 45.4/22$

-4.886 ± 2.395 $\chi^2/\text{NDF}: 303.1/41$

-1.853 ± 2.463 $\chi^2/\text{NDF}: 90.6/41$

diff_bpm0l09X_rms vs slug



Right In: 10448.159+/-2.344 χ^2/NDF : 2654654.8/17

Left Out: 11907.628+/-2.450 χ^2/NDF : 439490.2/23

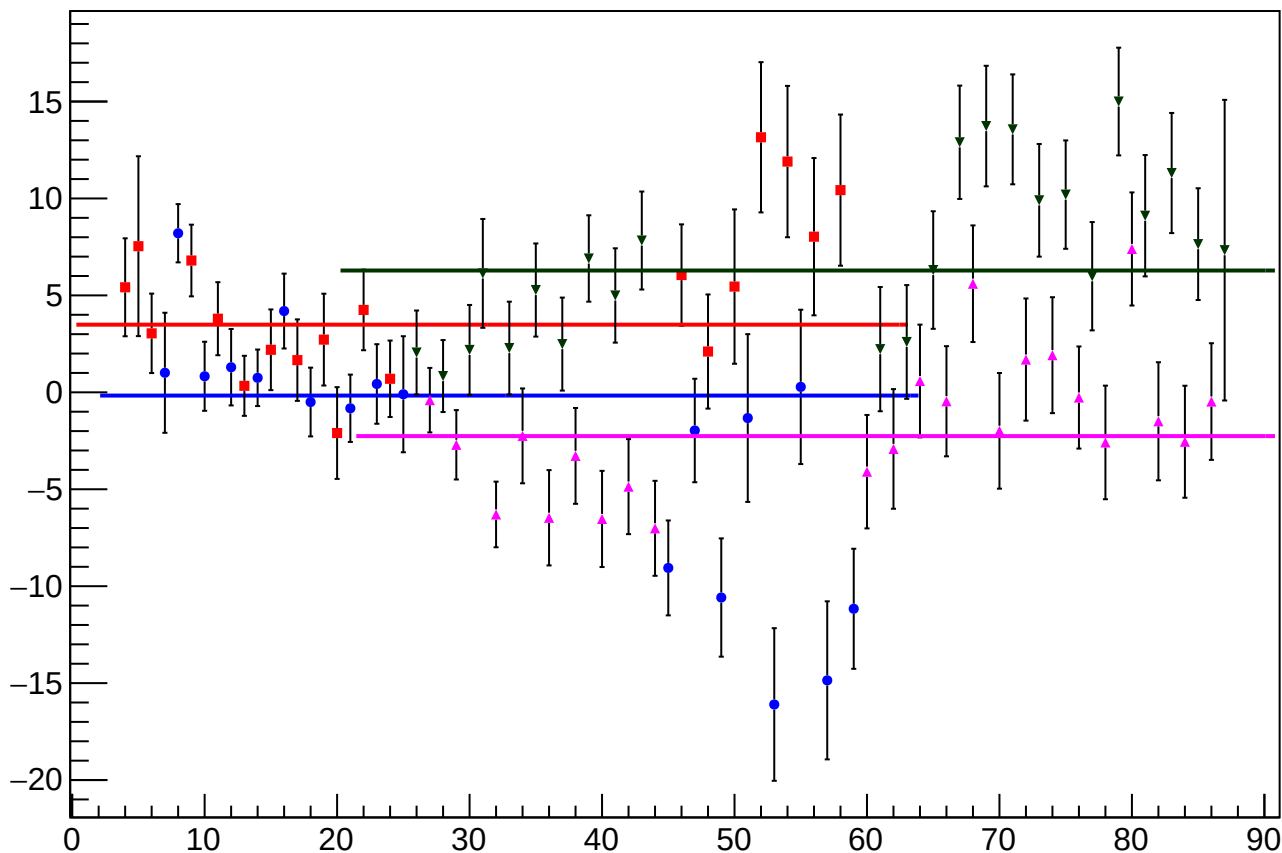
11145.688+/-1.694 χ^2/NDF : 3279434.4/41

Right Out: 10701.460+/-2.558 χ^2/NDF : 2438498.5/18

11359.443+/-1.741 χ^2/NDF : 3096660.9/41

Left In: 11927.271+/-2.377 χ^2/NDF : 534944.7/22

diff_bpm0l09Y_mean vs slug



Right In: -0.167 ± 0.526 χ^2/NDF : 105.2/17

Left Out: 6.283 ± 0.544 χ^2/NDF : 59.4/23

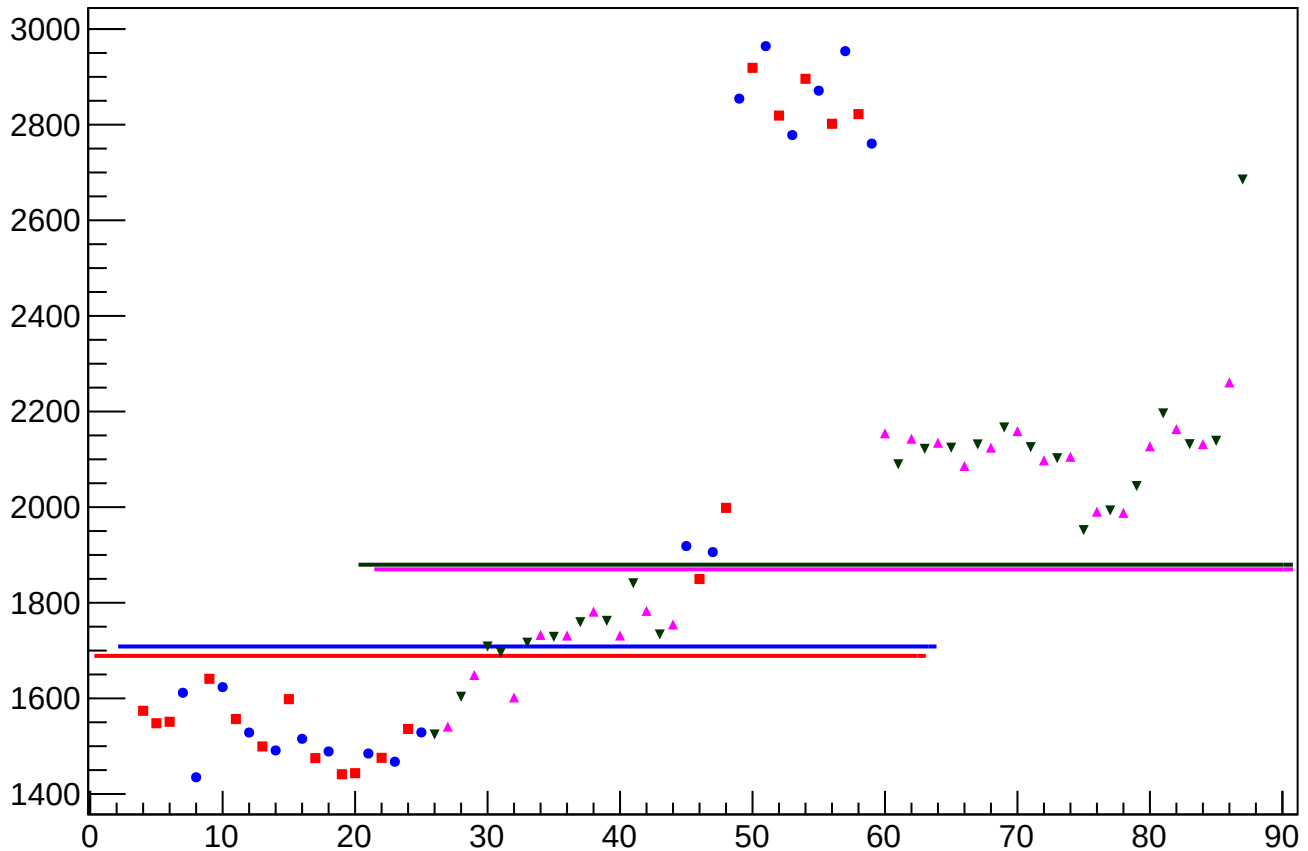
Right Out: 3.490 ± 0.549 χ^2/NDF : 34.4/18

Left In: -2.258 ± 0.525 χ^2/NDF : 42.1/22

2.948 ± 0.378 χ^2/NDF : 237.3/41

0.487 ± 0.379 χ^2/NDF : 133.8/41

diff_bpm0l09Y_rms vs slug



Right In: 1708.561+/-0.372 χ^2/NDF : 1464594.2/17

Left Out: 1879.619+/-0.385 χ^2/NDF : 329441.5/23

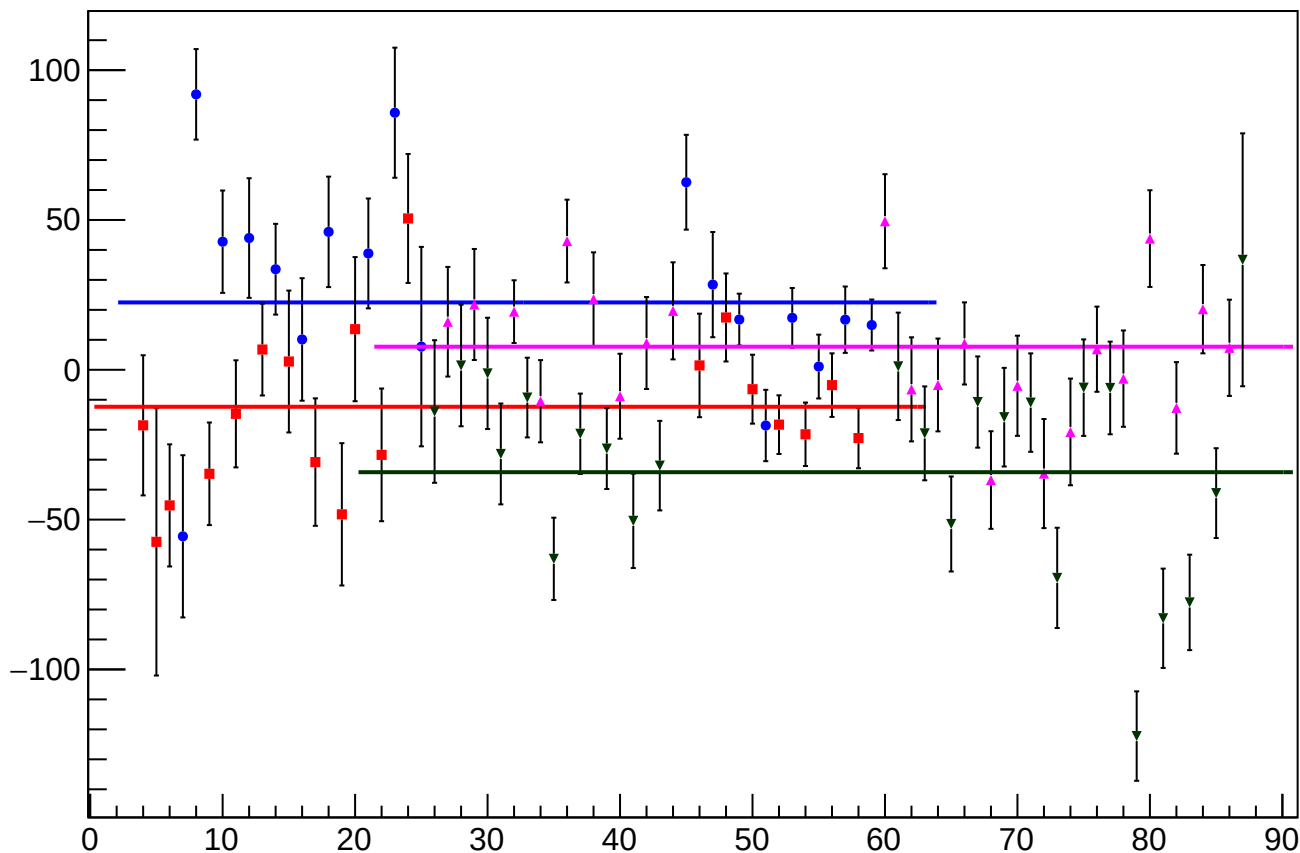
1791.175+/-0.267 χ^2/NDF : 1896291.3/41

Right Out: 1688.902+/-0.388 χ^2/NDF : 1058632.3/18

1783.455+/-0.268 χ^2/NDF : 1569849.2/41

Left In: 1869.899+/-0.371 χ^2/NDF : 397627.7/22

diff_bpm0l10X_mean vs slug



Right In: 22.480 ± 3.228 $\chi^2/\text{NDF}: 68.3/17$

Left Out: -34.176 ± 3.284 $\chi^2/\text{NDF}: 93.5/23$

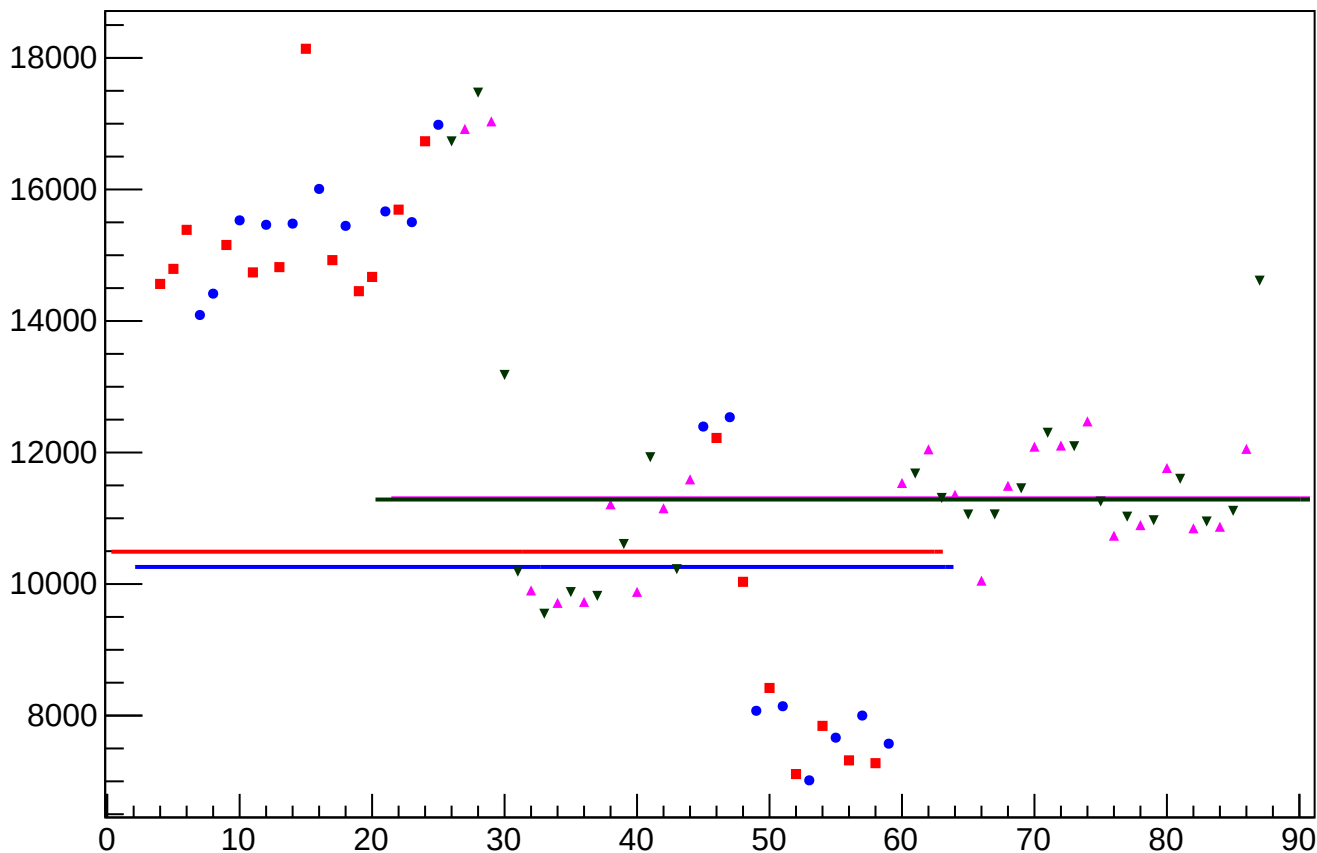
Right Out: -12.340 ± 3.516 $\chi^2/\text{NDF}: 28.3/18$

Left In: 7.702 ± 3.186 $\chi^2/\text{NDF}: 45.7/22$

-5.361 ± 2.302 $\chi^2/\text{NDF}: 313.2/41$

-1.332 ± 2.361 $\chi^2/\text{NDF}: 91.9/41$

diff_bpm0l10X_rms vs slug



Right In: 10260.138 $\pm$ 2.282 χ^2 /NDF: 2319999.2/17

Left Out: 11285.139 $\pm$ 2.322 χ^2 /NDF: 447757.7/23

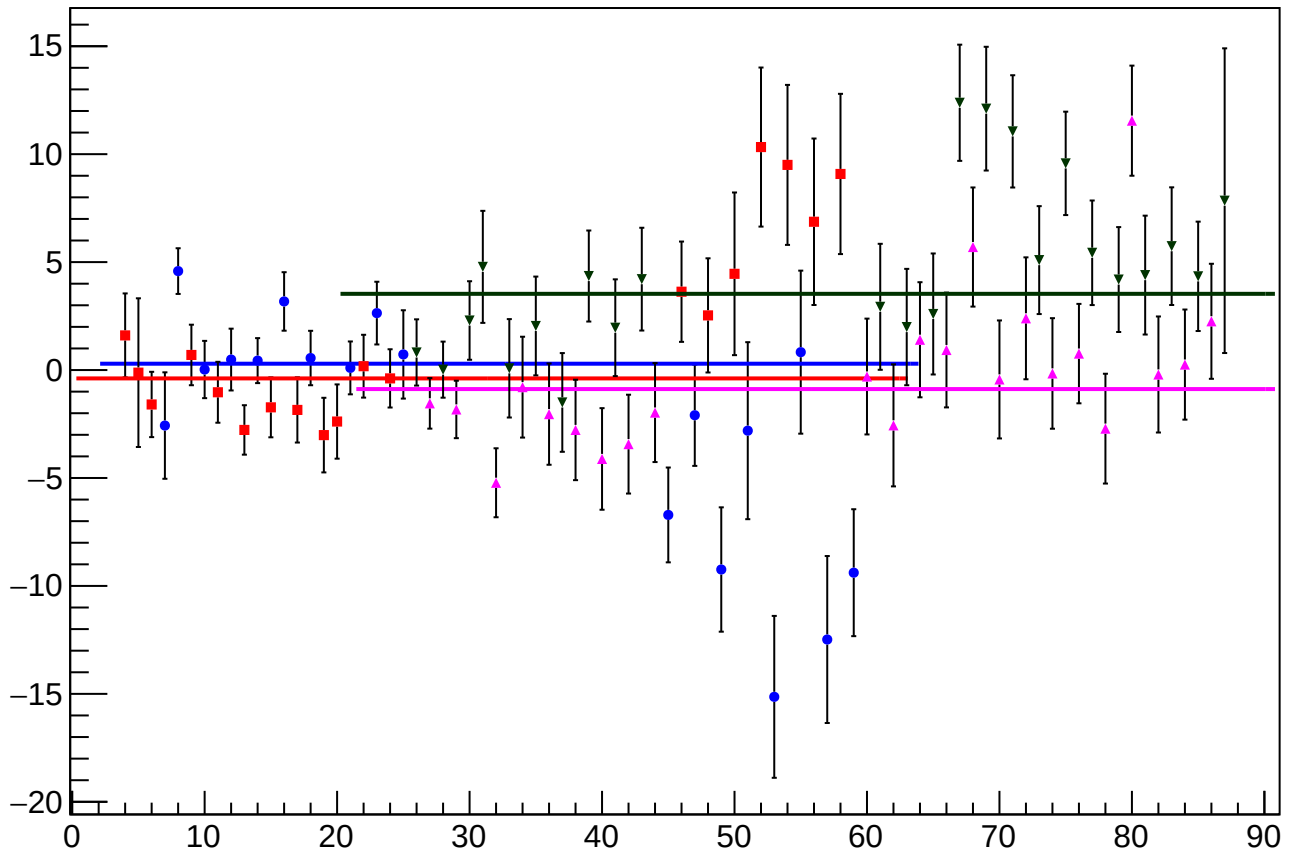
Right Out: 10492.088 $\pm$ 2.487 χ^2 /NDF: 2138865.4/18

Left In: 11303.846 $\pm$ 2.253 χ^2 /NDF: 541737.5/22

10763.829 $\pm$ 1.628 χ^2 /NDF: 2866857.0/41

10937.910 $\pm$ 1.669 χ^2 /NDF: 2739137.3/41

diff_bpm0l10Y_mean vs slug



Right In: 0.293 ± 0.393 χ^2/NDF : 86.6/17

Left Out: 3.531 ± 0.469 χ^2/NDF : 56.7/23

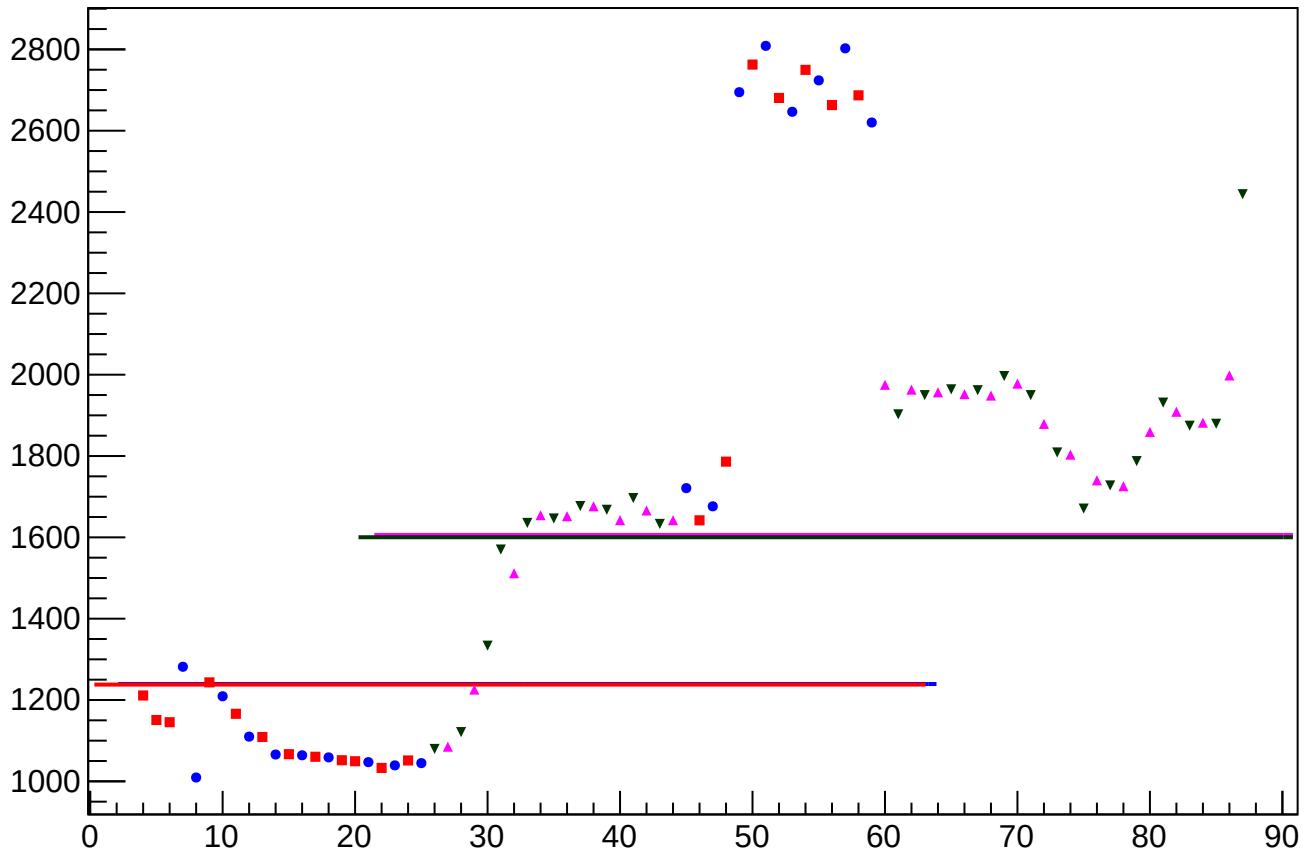
Right Out: -0.388 ± 0.412 χ^2/NDF : 44.0/18

Left In: -0.881 ± 0.456 χ^2/NDF : 47.7/22

1.629 ± 0.301 χ^2/NDF : 171.3/41

-0.610 ± 0.306 χ^2/NDF : 92.3/41

diff_bpm0l10Y_rms vs slug



Right In: 1239.296 $\pm$ 0.278 χ^2 /NDF: 2675601.4/17

Left Out: 1600.267 $\pm$ 0.331 χ^2 /NDF: 889869.5/23

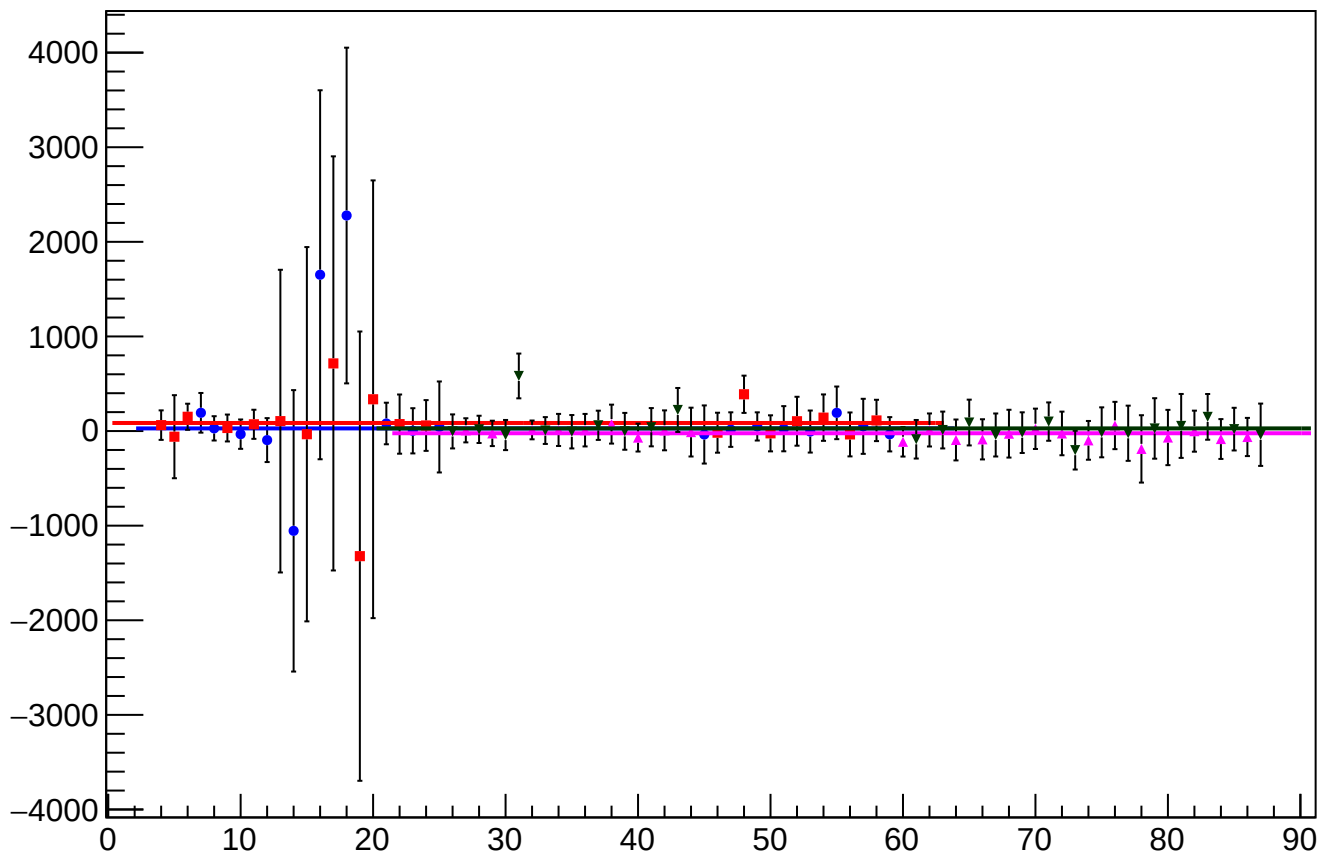
Right Out: 1237.907 $\pm$ 0.291 χ^2 /NDF: 1914347.8/18

Left In: 1605.952 $\pm$ 0.322 χ^2 /NDF: 931510.6/22

1388.196 $\pm$ 0.213 χ^2 /NDF: 4262219.4/41

1403.395 $\pm$ 0.216 χ^2 /NDF: 3564058.4/41

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs slug



Right In: 27.874+/-52.297 χ^2/NDF : 4.5/17

Left Out: 28.096+/-41.638 χ^2/NDF : 8.8/23

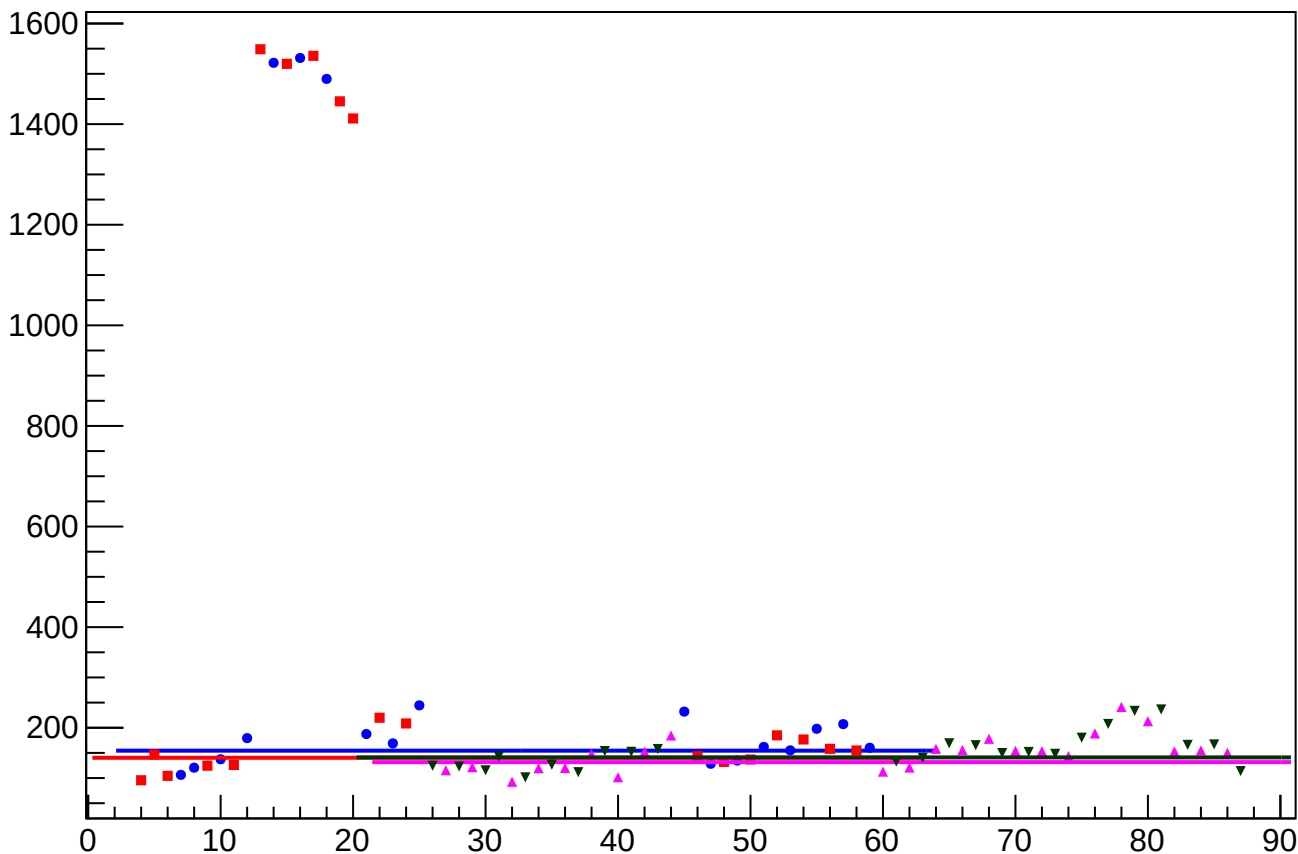
Right Out: 85.325+/-52.506 χ^2/NDF : 4.3/18

Left In: -23.245+/-37.910 χ^2/NDF : 1.8/22

28.010+/-32.575 χ^2/NDF : 13.4/41

13.959+/-30.736 χ^2/NDF : 8.9/41

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs slug



Right In: 154.452 $\pm$ 0.037 $\chi^2/\text{NDF}: 4556738.2/17$

Left Out: 141.058 $\pm$ 0.029 $\chi^2/\text{NDF}: 968442.2/23$

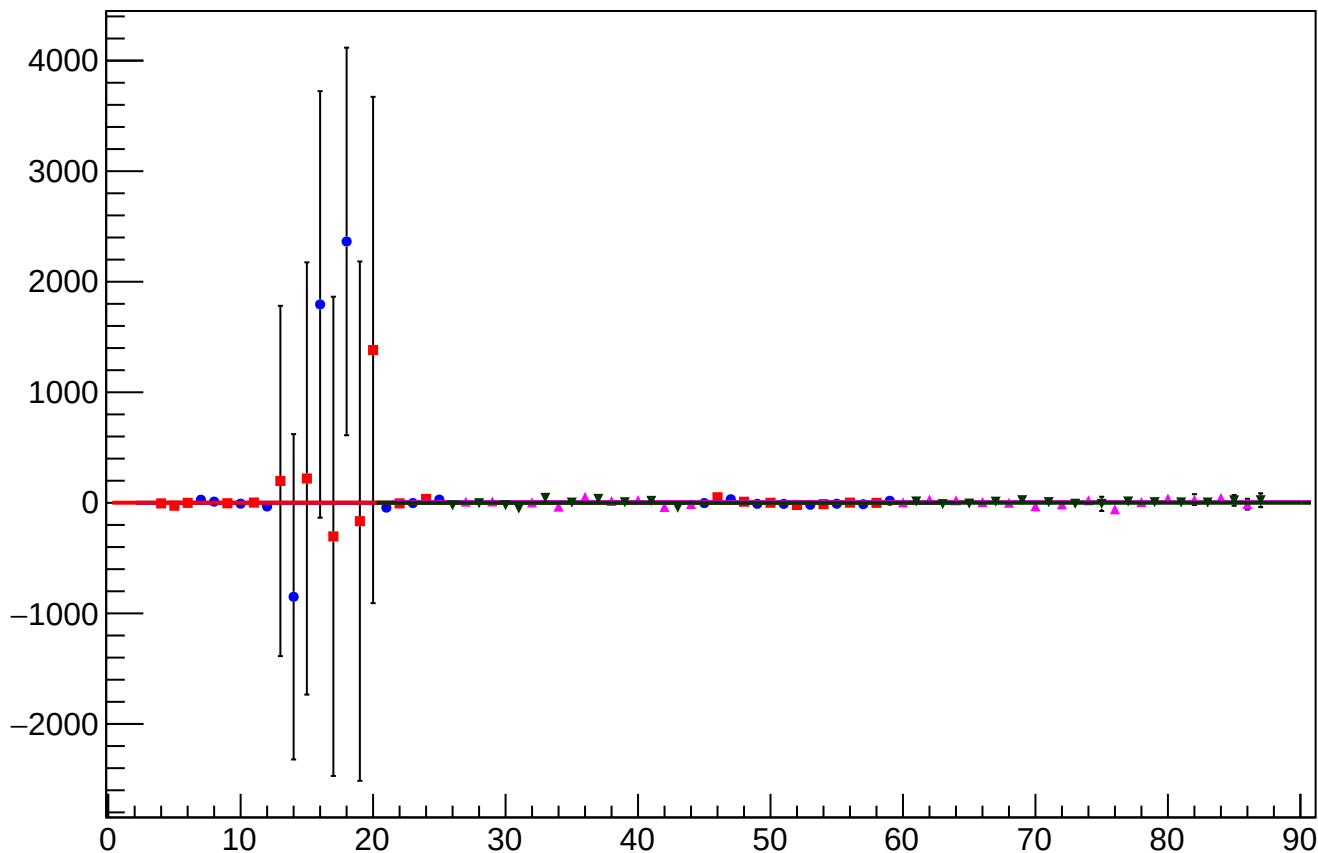
146.254 $\pm$ 0.023 $\chi^2/\text{NDF}: 5605473.2/41$

Right Out: 140.345 $\pm$ 0.037 $\chi^2/\text{NDF}: 5274055.6/18$

134.655 $\pm$ 0.022 $\chi^2/\text{NDF}: 6597755.0/41$

Left In: 131.688 $\pm$ 0.027 $\chi^2/\text{NDF}: 1287960.7/22$

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs slug



Right In: 0.581+/-4.614 χ^2/NDF : 16.6/17

Left Out: 0.733+/-5.068 χ^2/NDF : 17.0/23

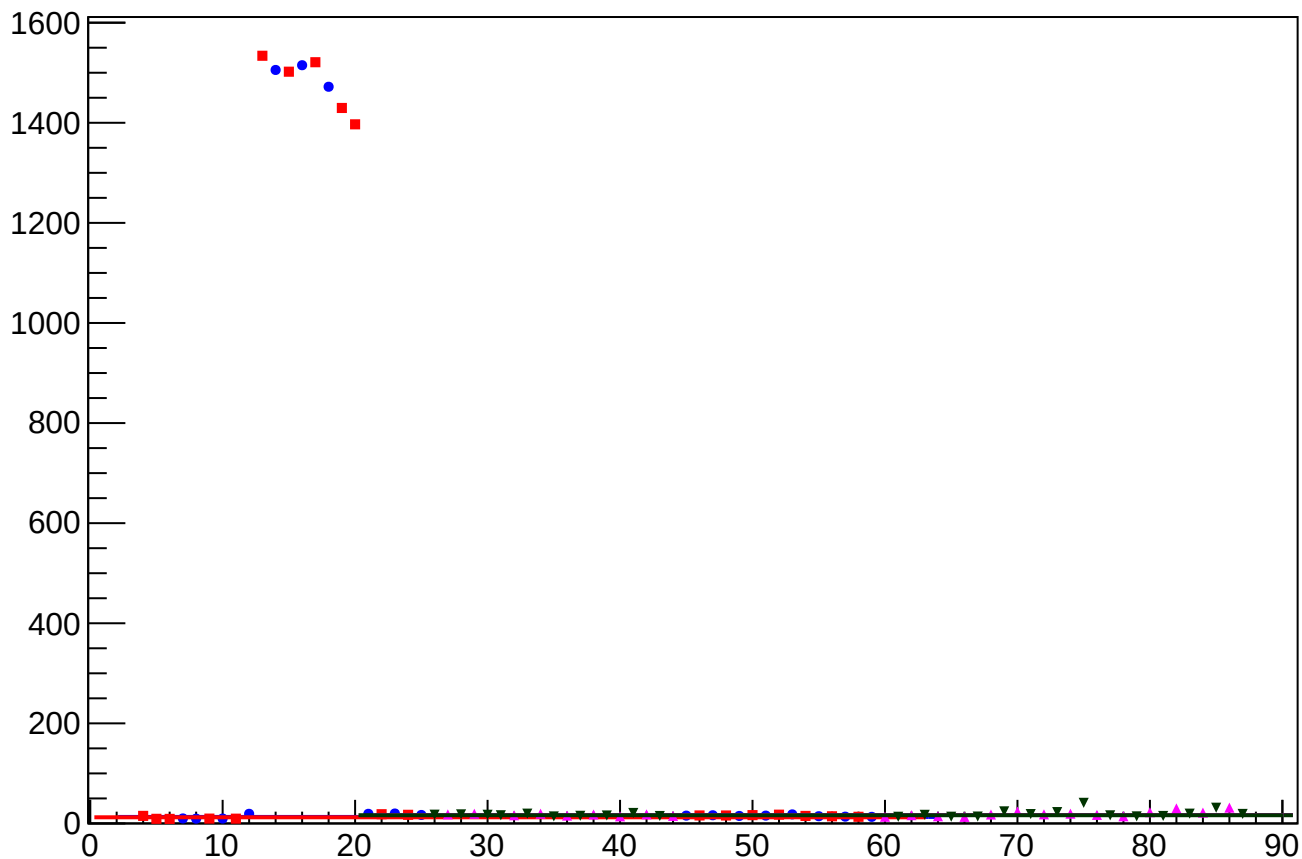
Right Out: 1.382+/-4.789 χ^2/NDF : 9.5/18

Left In: 6.918+/-5.046 χ^2/NDF : 23.5/22

0.650+/-3.412 χ^2/NDF : 33.6/41

4.005+/-3.474 χ^2/NDF : 33.6/41

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs slug



Right In: 13.014 $\pm$ 0.003 χ^2/NDF : 5695749.7/17

Left Out: 16.486 $\pm$ 0.004 χ^2/NDF : 979793.6/23

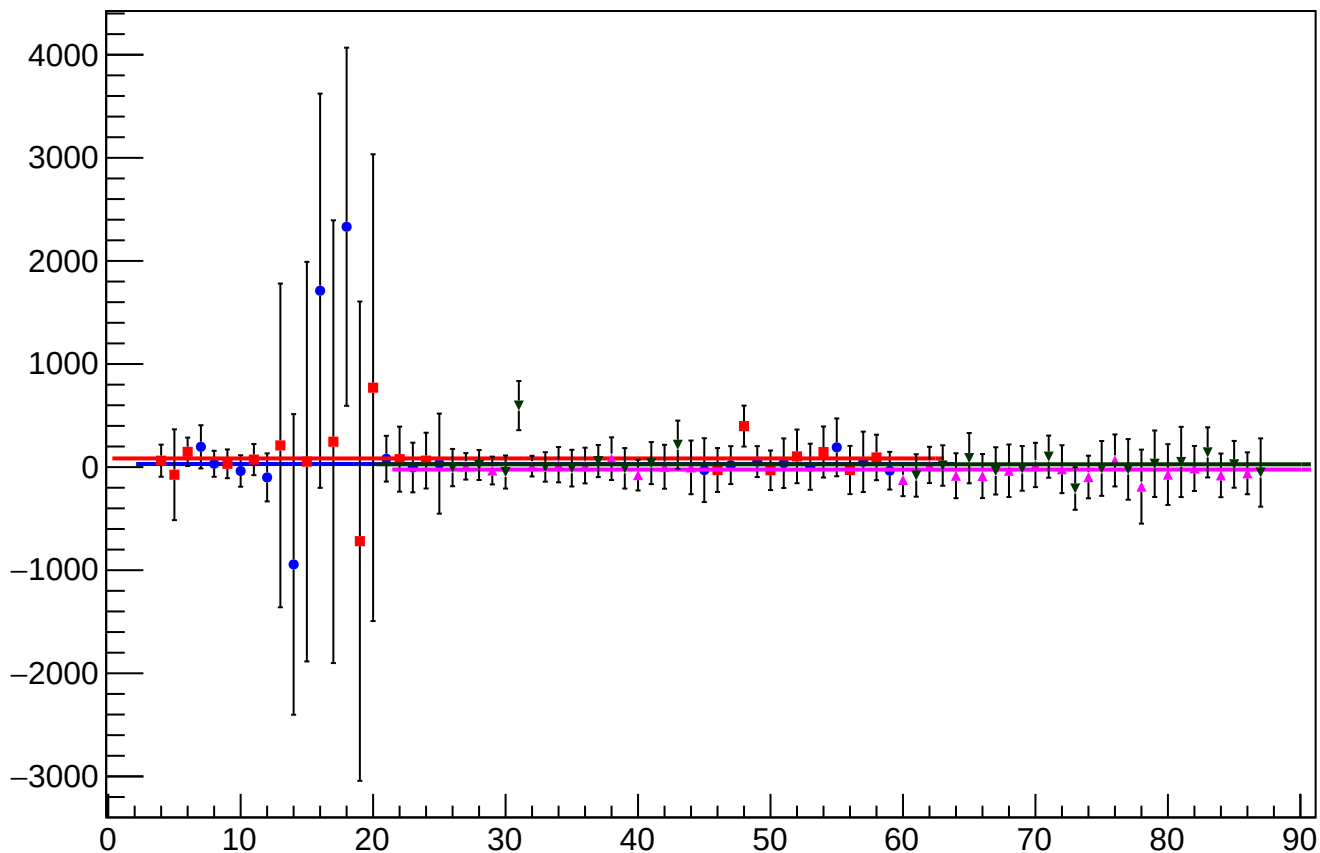
Right Out: 12.312 $\pm$ 0.003 χ^2/NDF : 6373010.7/18

Left In: 16.878 $\pm$ 0.004 χ^2/NDF : 842365.2/22

14.587 $\pm$ 0.002 χ^2/NDF : 7188884.0/41

14.476 $\pm$ 0.002 χ^2/NDF : 8076947.4/41

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs slug



Right In: 30.011+/-52.267 χ^2/NDF : 4.7/17

Left Out: 27.488+/-41.965 χ^2/NDF : 9.0/23

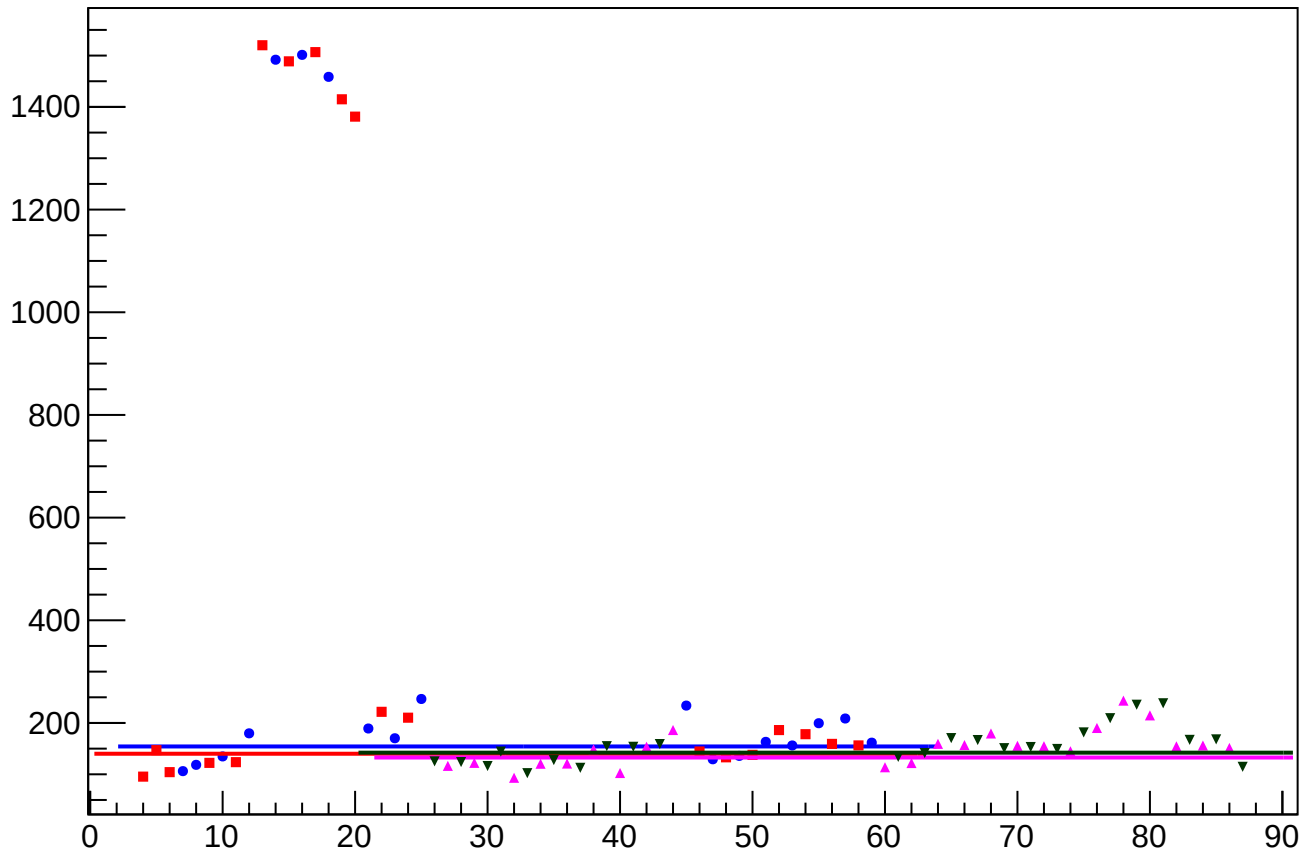
Right Out: 84.316+/-52.424 χ^2/NDF : 4.2/18

Left In: -23.518+/-38.199 χ^2/NDF : 2.0/22

28.477+/-32.723 χ^2/NDF : 13.7/41

13.879+/-30.873 χ^2/NDF : 8.9/41

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs slug



Right In: 154.234 $\pm$ 0.037 χ^2/NDF : 4584859.8/17

Left Out: 142.160 $\pm$ 0.030 χ^2/NDF :969326.7/23

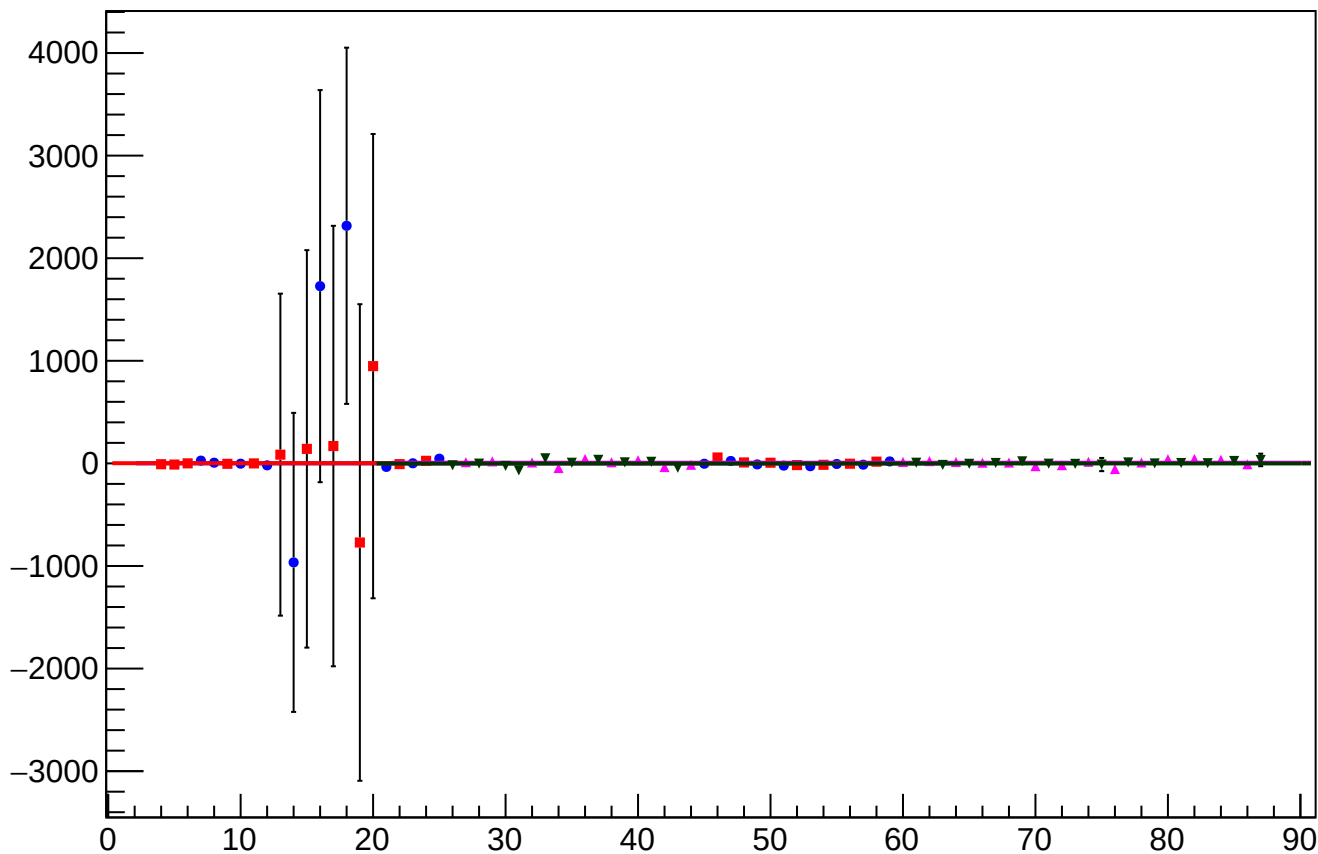
146.893 $\pm$ 0.023 χ^2/NDF : 5619084.3/41

Right Out: 140.050 $\pm$ 0.037 χ^2/NDF : 5289912.8/18

135.236 $\pm$ 0.022 χ^2/NDF : 6607031.9/41

Left In: 132.680 $\pm$ 0.027 χ^2/NDF :1291301.1/22

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs slug



Right In: 0.652 ± 4.315 χ^2/NDF : 16.0/17

Left Out: -0.576 ± 4.963 χ^2/NDF : 20.0/23

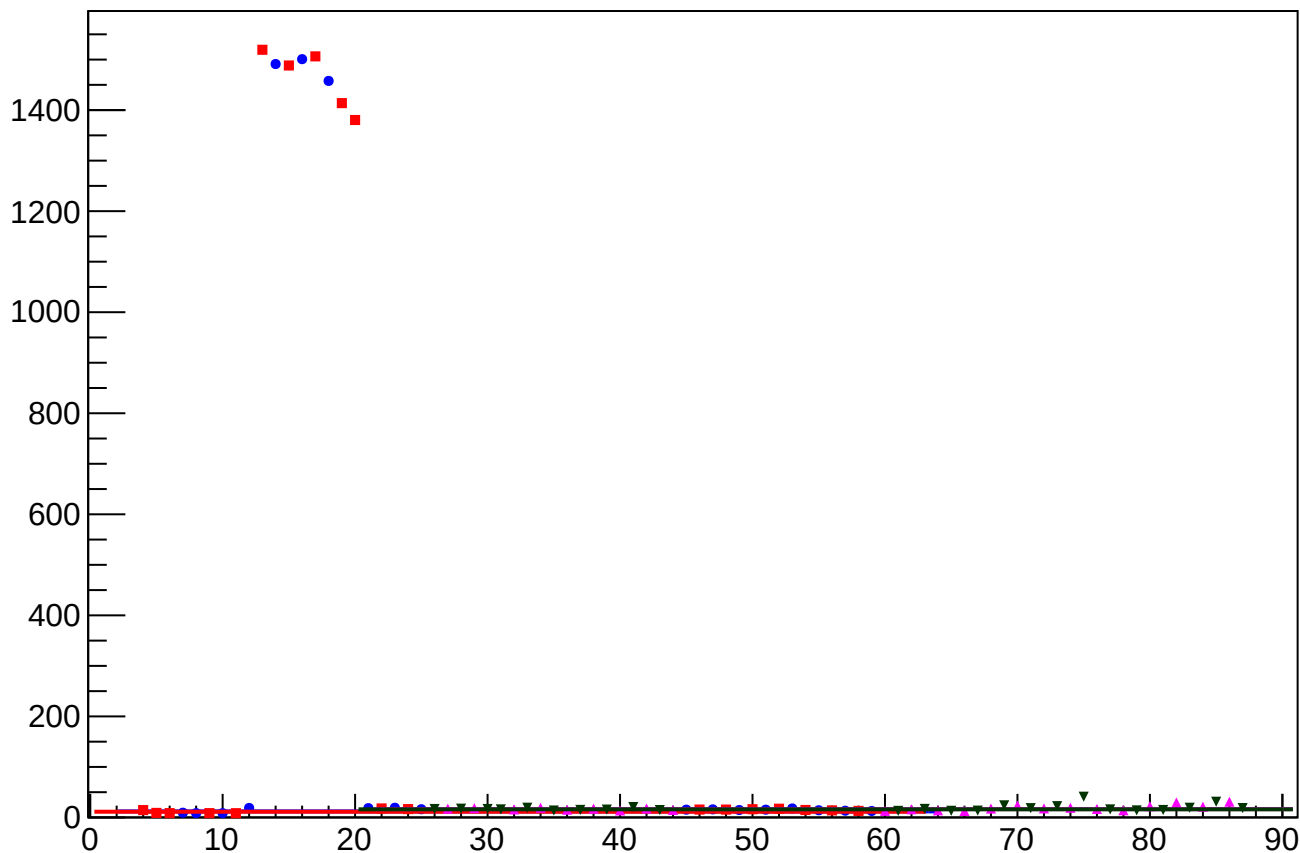
Right Out: 1.782 ± 4.470 χ^2/NDF : 10.1/18

Left In: 6.852 ± 4.943 χ^2/NDF : 22.6/22

0.123 ± 3.256 χ^2/NDF : 36.0/41

4.063 ± 3.315 χ^2/NDF : 33.3/41

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs slug



Right In: 12.013 $\pm$ 0.003 χ^2 /NDF: 6061463.6/17

Left Out: 16.114 $\pm$ 0.004 χ^2 /NDF: 989809.8/23

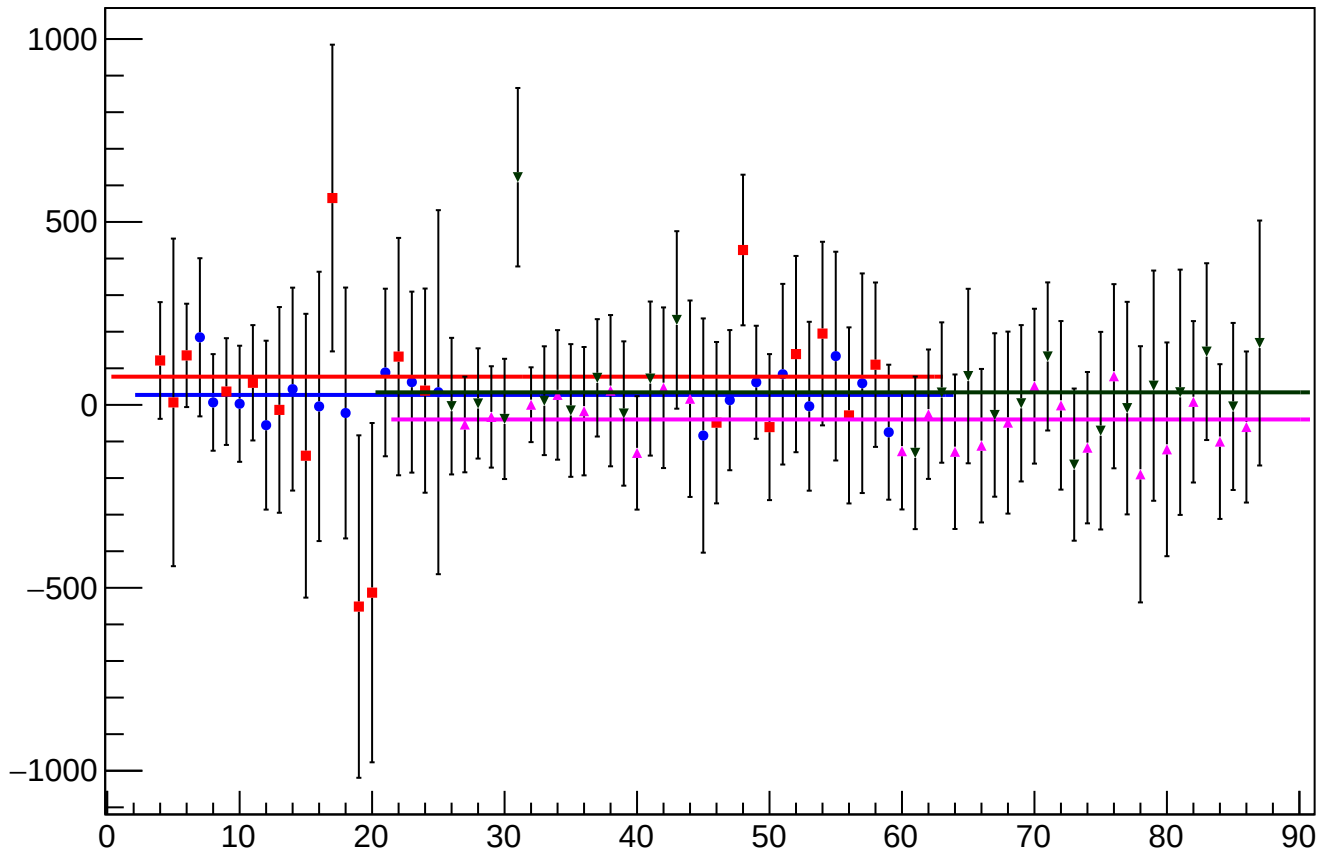
Right Out: 11.361 $\pm$ 0.003 χ^2 /NDF: 6645877.2/18

Left In: 16.495 $\pm$ 0.003 χ^2 /NDF: 851153.2/22

13.779 $\pm$ 0.002 χ^2 /NDF: 7828950.7/41

13.671 $\pm$ 0.002 χ^2 /NDF: 8684300.0/41

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs slug



Right In: 27.225 $\pm$ 51.816 χ^2 /NDF: 1.5/17

Left Out: 34.288 $\pm$ 42.510 χ^2 /NDF: 9.5/23

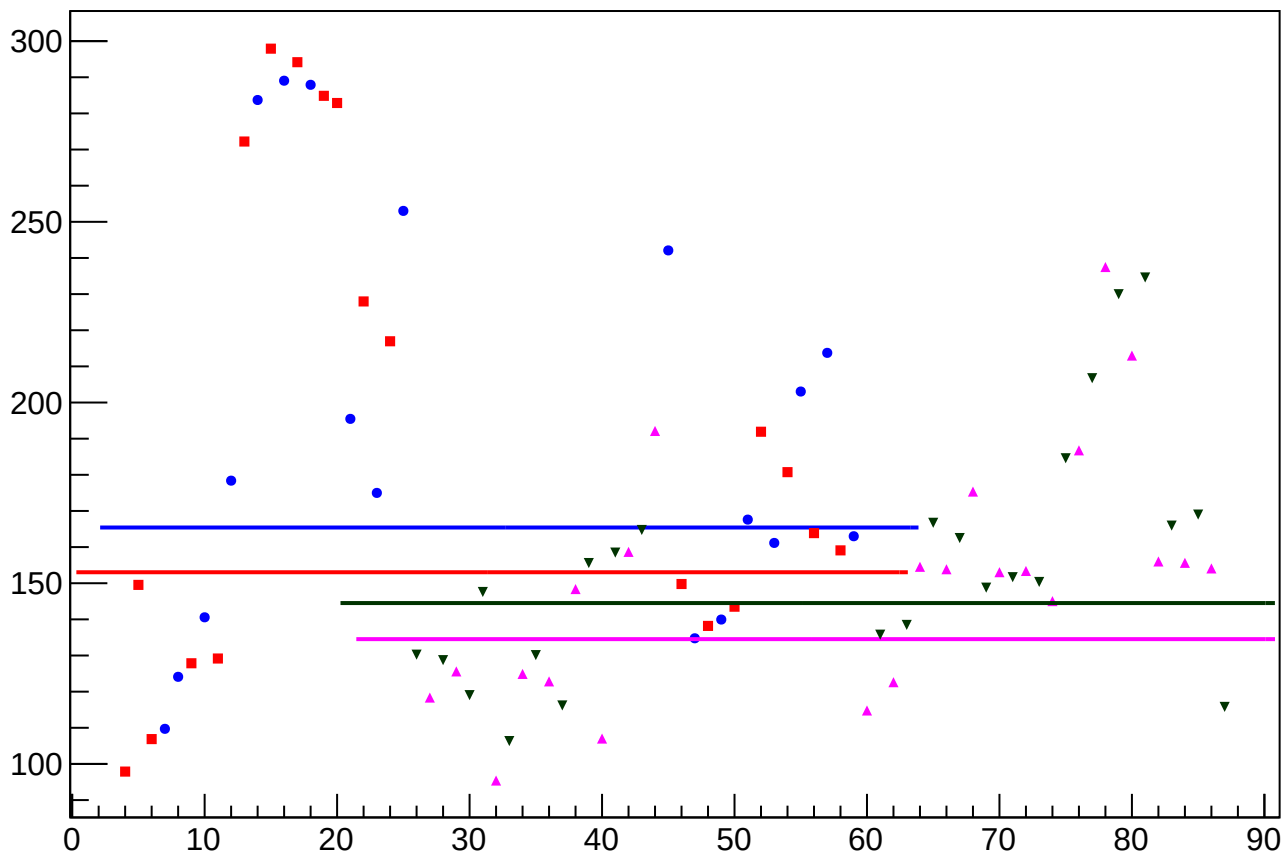
Right Out: 77.113 $\pm$ 51.687 χ^2 /NDF: 9.7/18

Left In: -39.813 $\pm$ 38.646 χ^2 /NDF: 2.6/22

31.447 $\pm$ 32.865 χ^2 /NDF: 11.1/41

2.115 $\pm$ 30.951 χ^2 /NDF: 15.6/41

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs slug



Right In: 165.419 ± 0.037 χ^2/NDF : 1636400.3/17

Left Out: 144.515 ± 0.030 χ^2/NDF : 839942.9/23

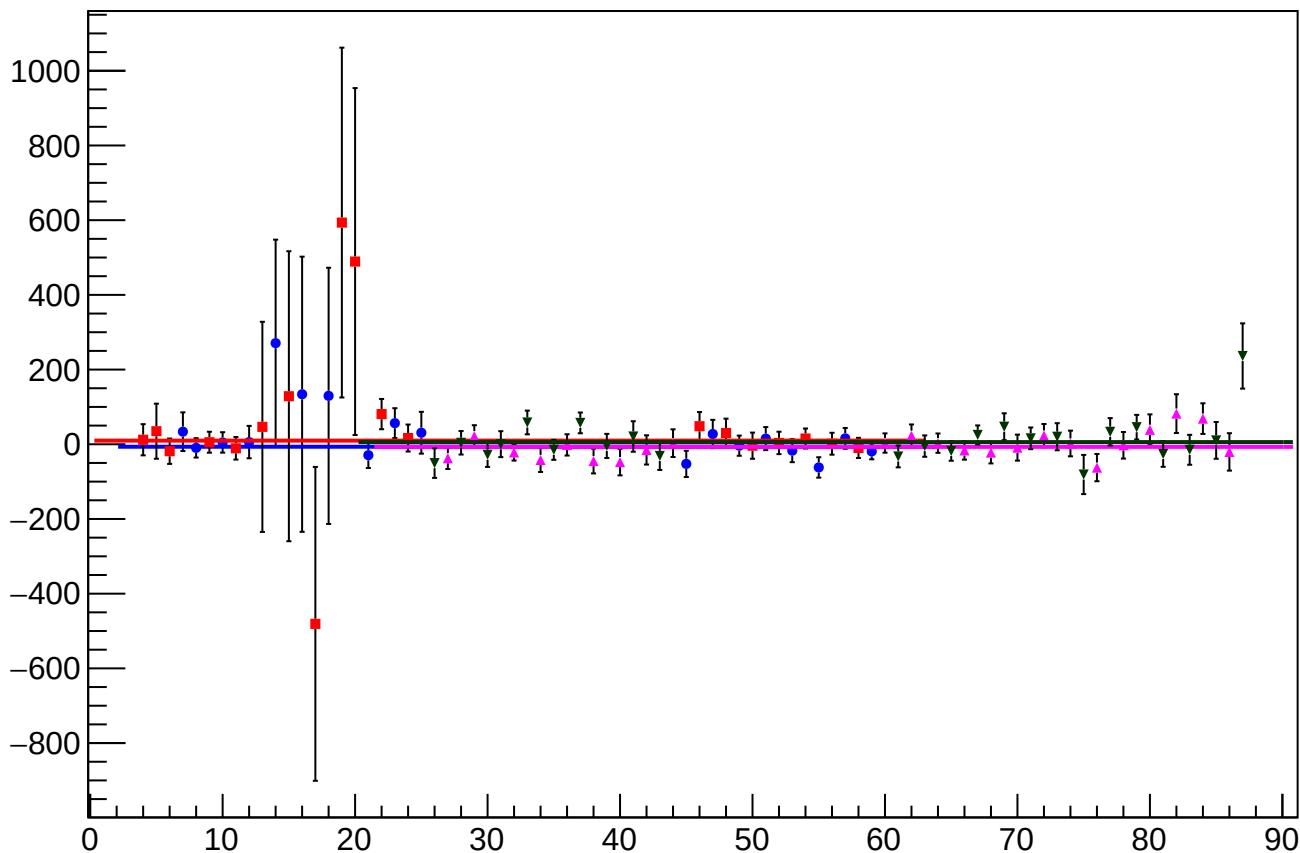
152.925 ± 0.023 χ^2/NDF : 2670901.4/41

Right Out: 153.039 ± 0.037 χ^2/NDF : 2037868.3/18

141.168 ± 0.022 χ^2/NDF : 3359969.7/41

Left In: 134.532 ± 0.027 χ^2/NDF : 1157621.1/22

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs slug



Right In: -6.569 $\pm$ 8.065 χ^2 /NDF: 13.8/17

Left Out: 5.822 $\pm$ 6.817 χ^2 /NDF: 28.8/23

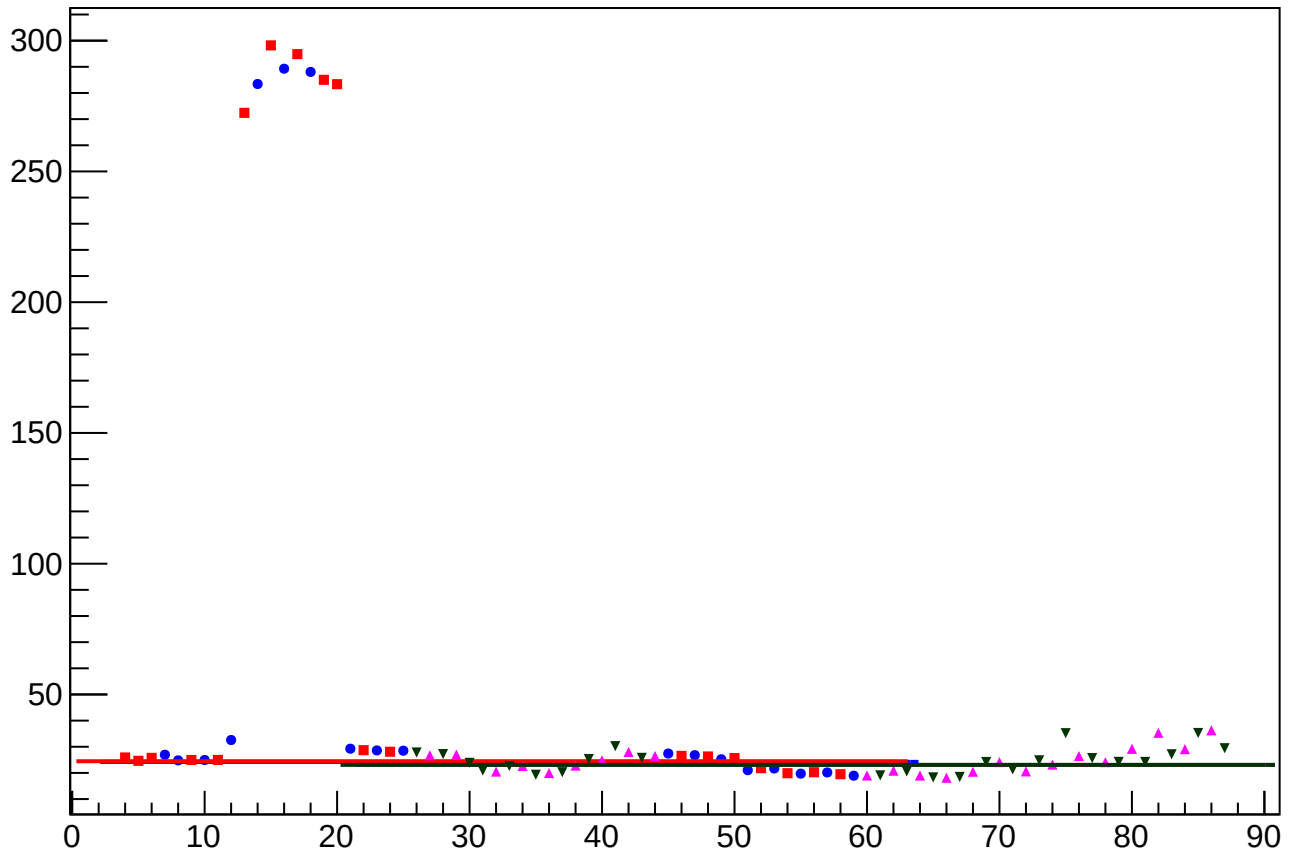
Right Out: 9.755 $\pm$ 8.898 χ^2 /NDF: 10.7/18

Left In: -6.930 $\pm$ 6.621 χ^2 /NDF: 19.1/22

0.659 $\pm$ 5.206 χ^2 /NDF: 44.0/41

-0.984 $\pm$ 5.312 χ^2 /NDF: 32.1/41

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs slug



Right In: 24.225 $\pm$ 0.006 χ^2 /NDF: 4413051.2/17

Left Out: 23.080 $\pm$ 0.005 χ^2 /NDF: 688155.0/23

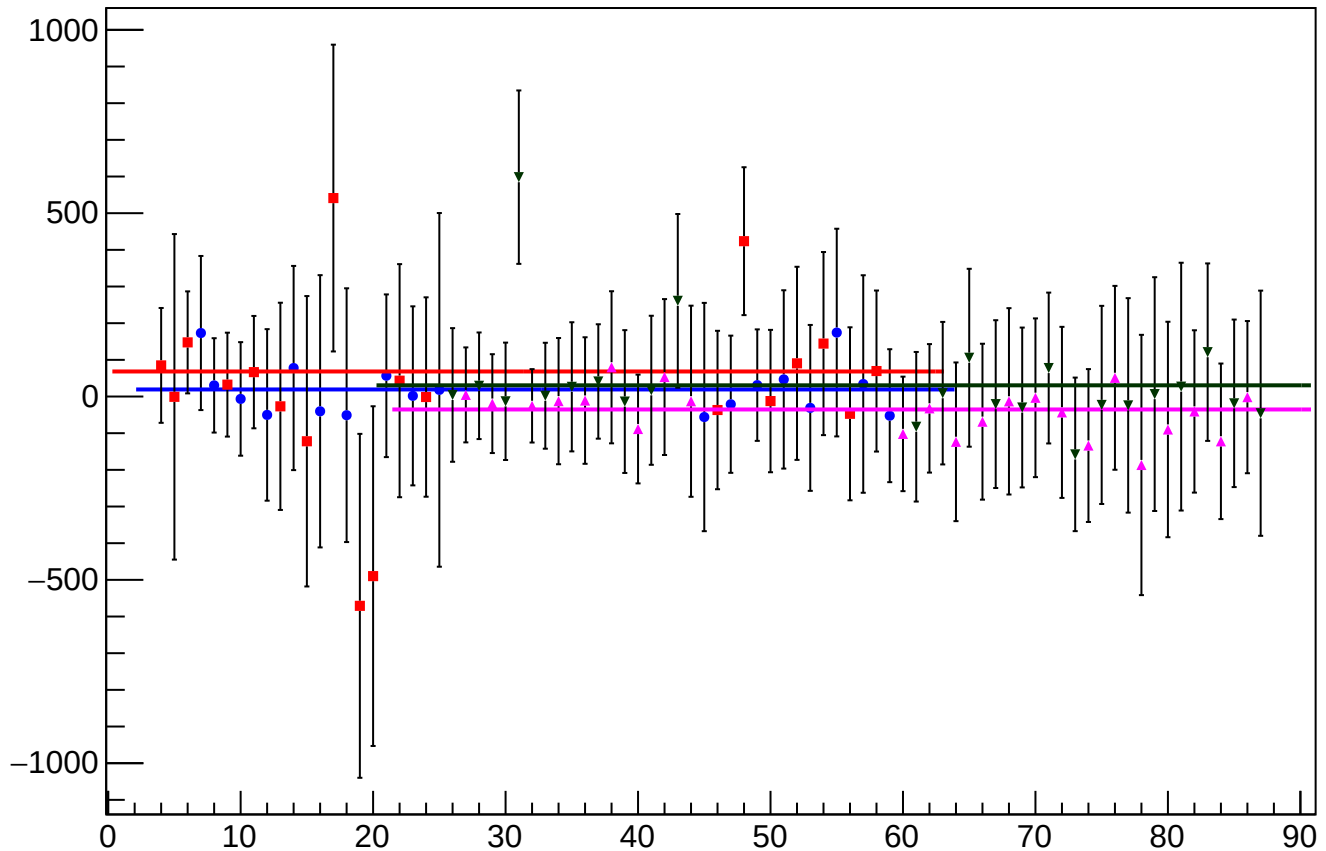
Right Out: 24.466 $\pm$ 0.006 χ^2 /NDF: 4859985.2/18

Left In: 23.044 $\pm$ 0.005 χ^2 /NDF: 750877.9/22

23.557 $\pm$ 0.004 χ^2 /NDF: 5124737.3/41

23.551 $\pm$ 0.004 χ^2 /NDF: 5643717.2/41

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs slug



Right In: 19.264+/-50.913 χ^2/NDF : 1.4/17

Left Out: 30.557+/-41.985 χ^2/NDF : 8.6/23

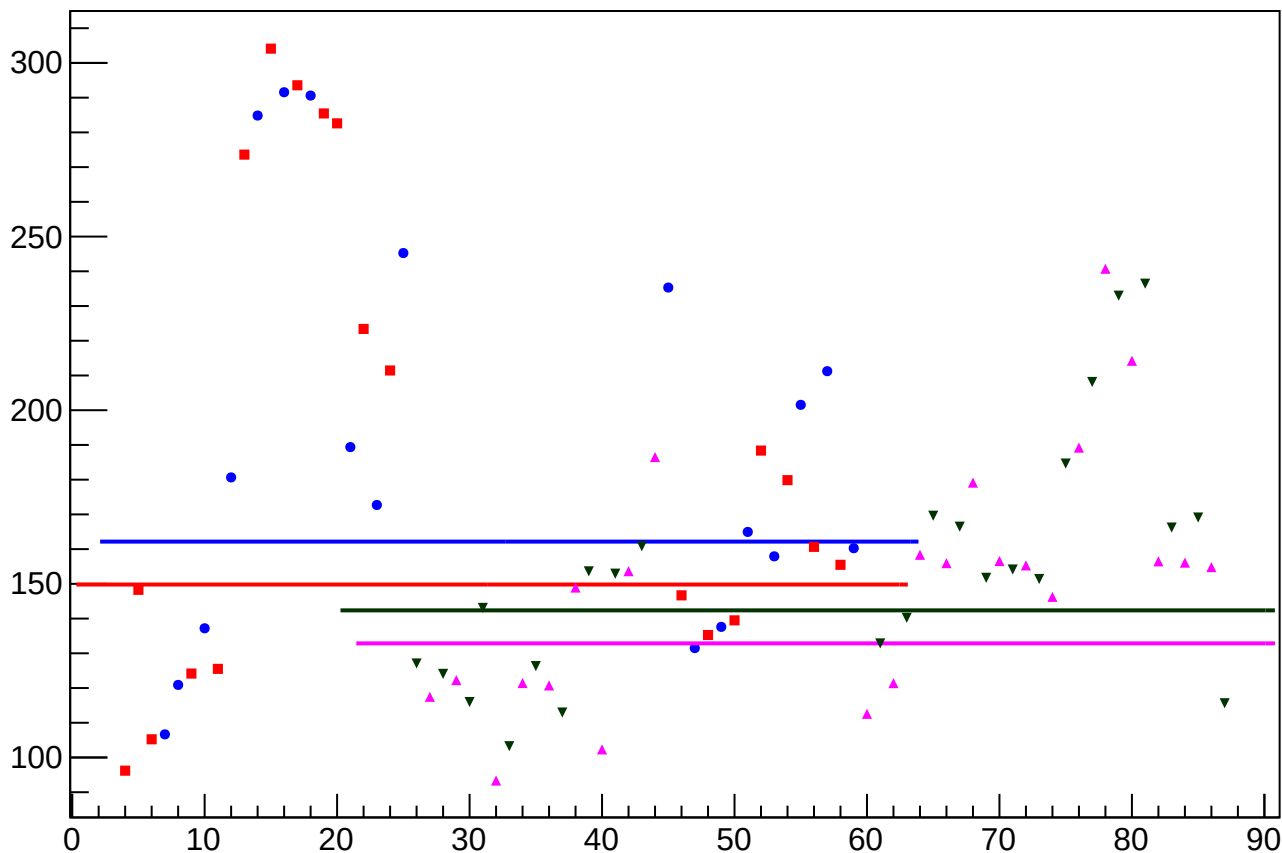
Right Out: 68.308+/-50.710 χ^2/NDF : 9.3/18

Left In: -35.305+/-38.238 χ^2/NDF : 1.9/22

25.985+/-32.392 χ^2/NDF : 10.1/41

2.254+/-30.531 χ^2/NDF : 13.9/41

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs slug



Right In: 162.166 ± 0.036 $\chi^2/\text{NDF}: 1720612.8/17$

Left Out: 142.365 ± 0.030 $\chi^2/\text{NDF}: 951031.6/23$

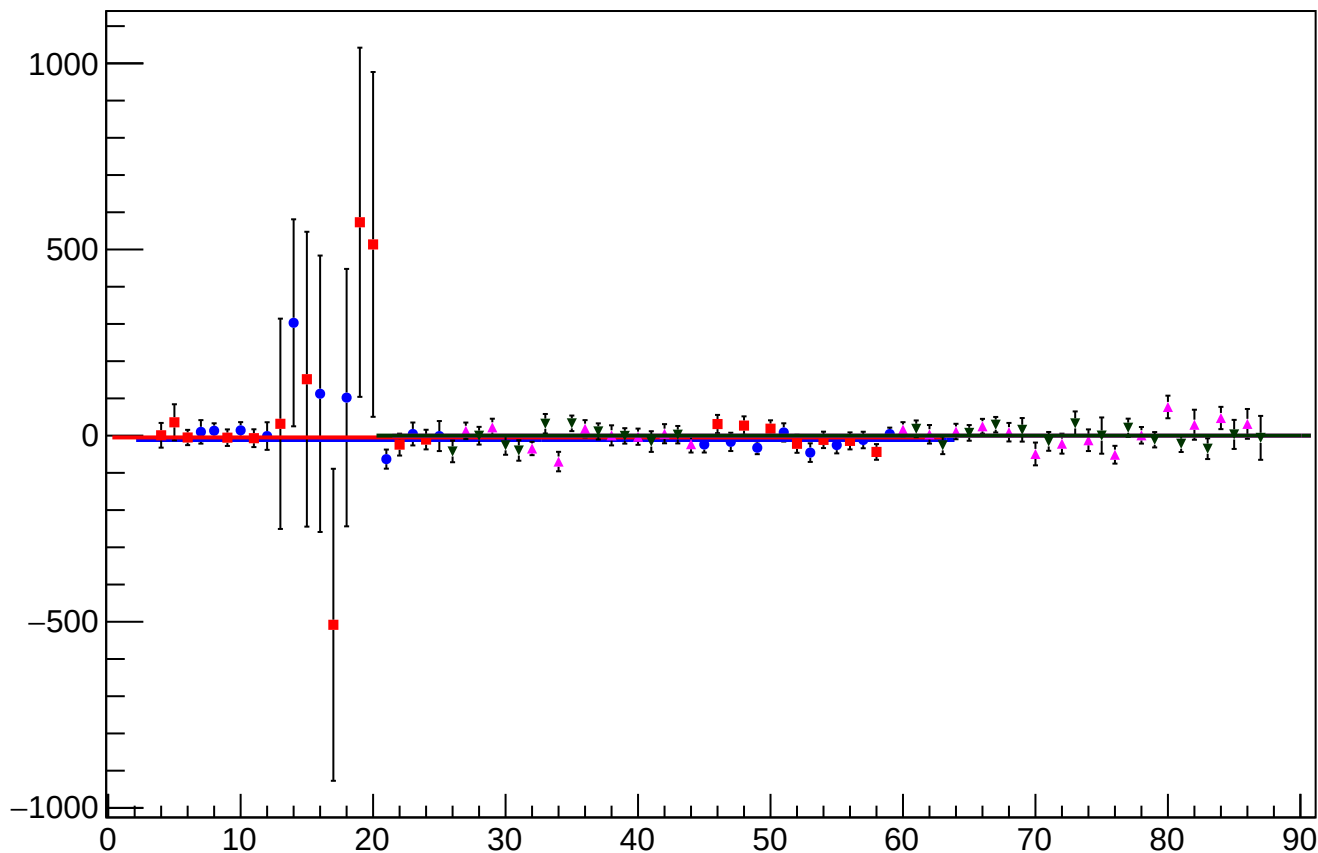
Right Out: 149.803 ± 0.036 $\chi^2/\text{NDF}: 2114602.4/18$

Left In: 132.860 ± 0.027 $\chi^2/\text{NDF}: 1290684.5/22$

150.380 ± 0.023 $\chi^2/\text{NDF}: 2851714.3/41$

139.002 ± 0.022 $\chi^2/\text{NDF}: 3547621.9/41$

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs slug



Right In: -11.713 ± 6.036 χ^2/NDF : 15.0/17

Left Out: 0.093 ± 5.152 χ^2/NDF : 19.1/23

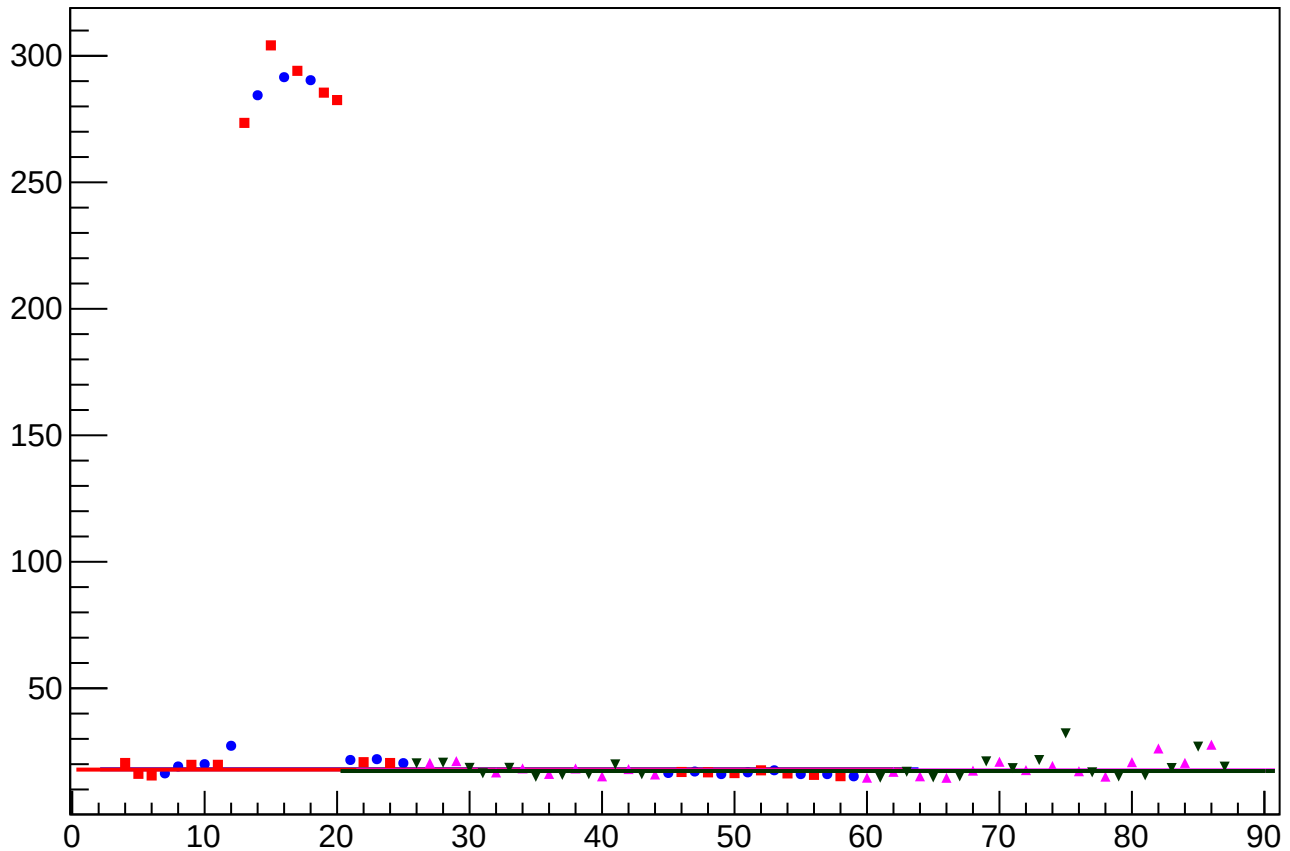
Right Out: -4.846 ± 6.550 χ^2/NDF : 14.7/18

Left In: -0.240 ± 5.081 χ^2/NDF : 34.6/22

-4.883 ± 3.919 χ^2/NDF : 36.3/41

-1.970 ± 4.015 χ^2/NDF : 49.6/41

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs slug



Right In: 17.988+/-0.004 χ^2/NDF : 4525208.5/17

Left Out: 17.298+/-0.004 χ^2/NDF : 631441.9/23

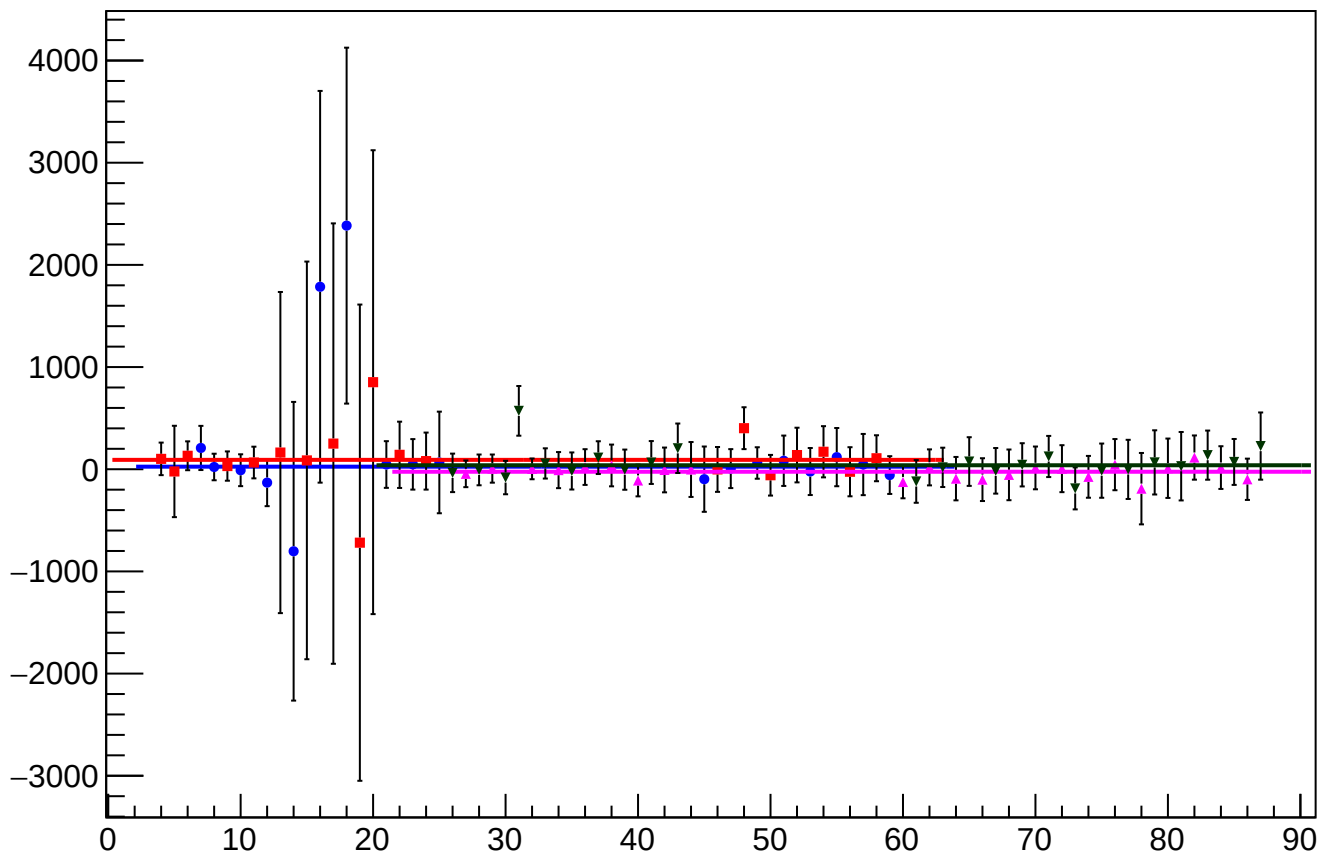
17.589+/-0.003 χ^2/NDF : 5171778.5/41

Right Out: 17.855+/-0.005 χ^2/NDF : 5034119.1/18

17.669+/-0.003 χ^2/NDF : 5602974.3/41

Left In: 17.557+/-0.004 χ^2/NDF : 566280.9/22

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs slug



Right In: 25.115+/-53.539 χ^2/NDF : 4.9/17

Left Out: 38.945+/-42.369 χ^2/NDF : 9.1/23

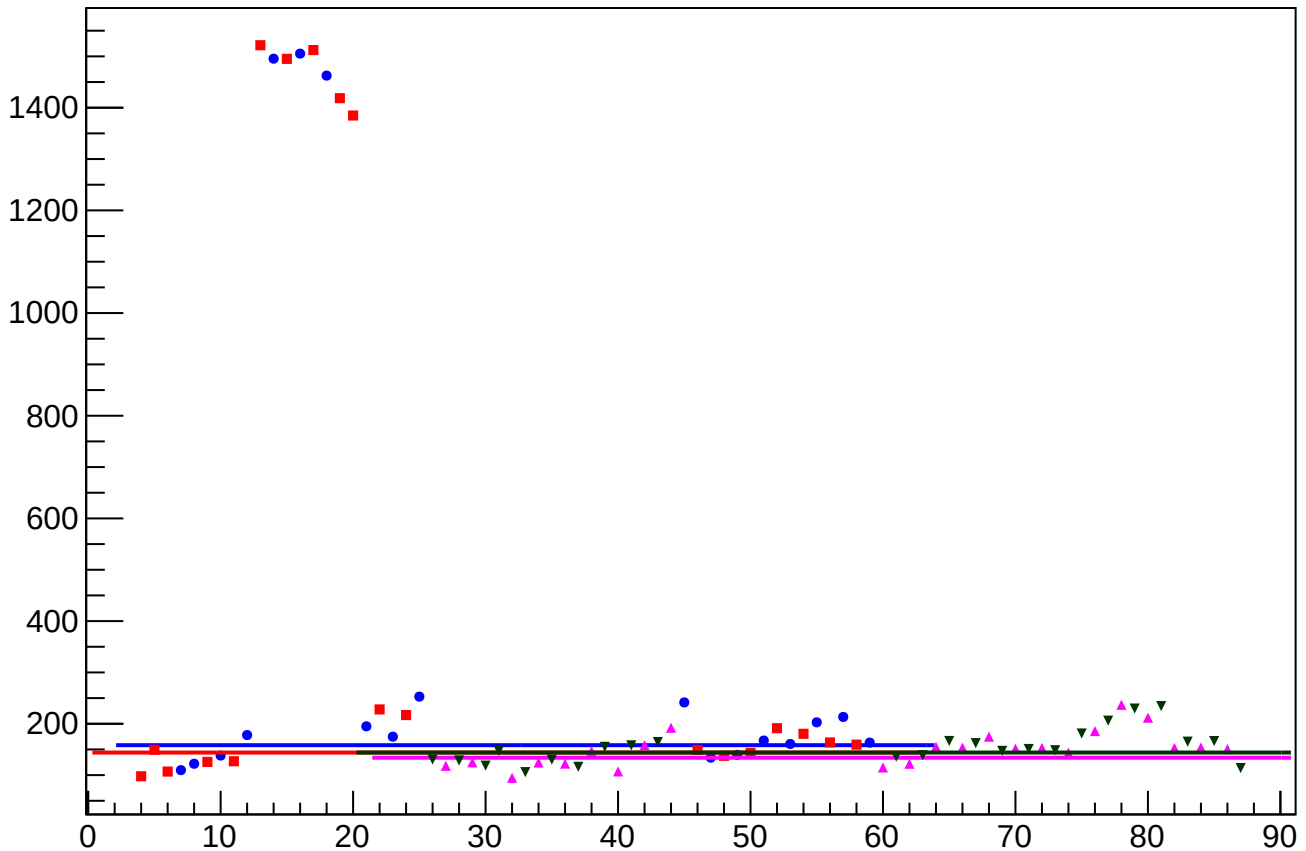
Right Out: 91.771+/-53.823 χ^2/NDF : 4.0/18

Left In: -24.630+/-38.458 χ^2/NDF : 2.3/22

33.619+/-33.224 χ^2/NDF : 14.0/41

14.712+/-31.291 χ^2/NDF : 9.5/41

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs slug



Right In: 158.277+/-0.038 χ^2/NDF : 4538983.8/17

Left Out: 143.998+/-0.030 χ^2/NDF : 832073.9/23

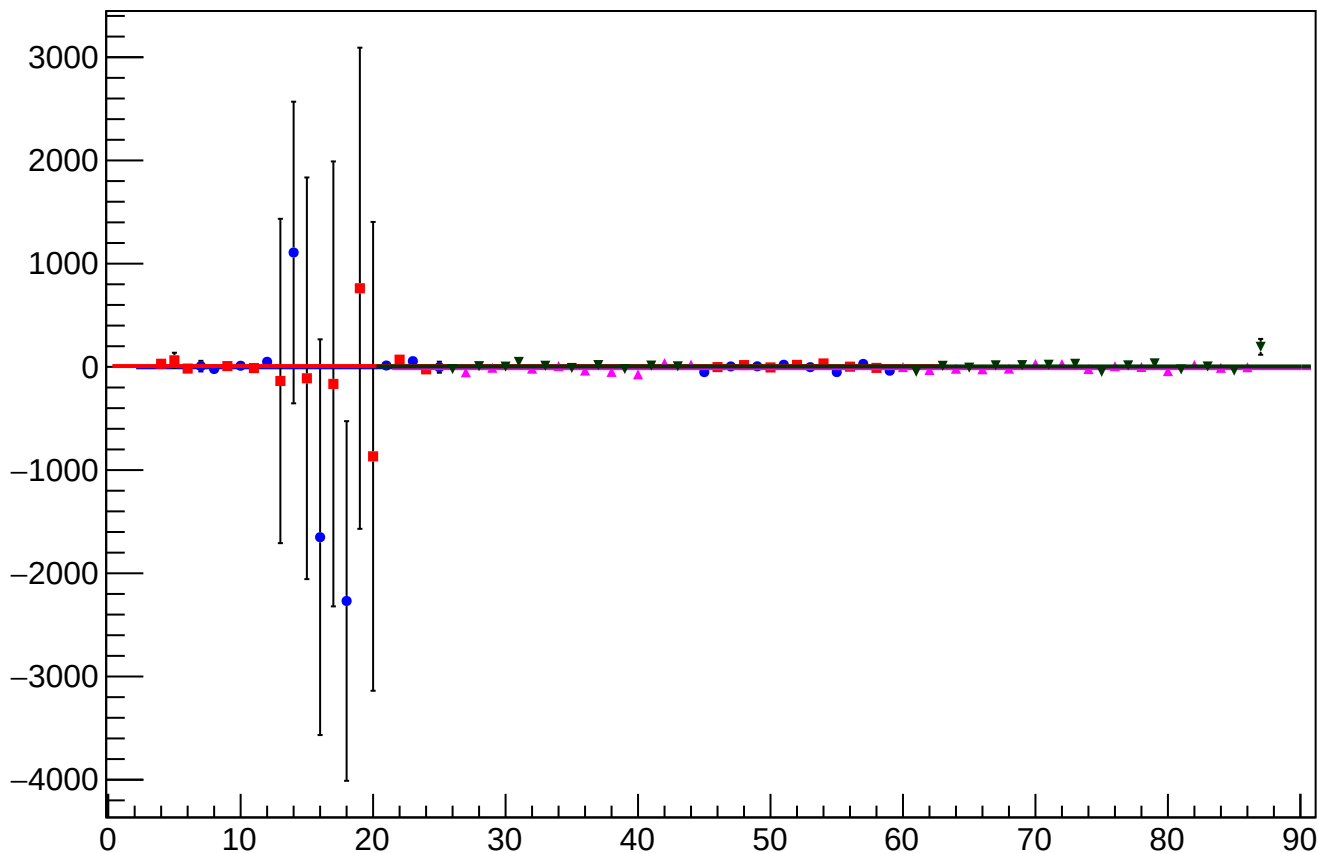
149.497+/-0.023 χ^2/NDF : 5458526.8/41

Right Out: 143.939+/-0.038 χ^2/NDF : 5267987.5/18

137.286+/-0.022 χ^2/NDF : 6461246.6/41

Left In: 133.889+/-0.027 χ^2/NDF : 1147097.0/22

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs slug



Right In: -4.070+/-7.876 χ^2/NDF : 17.6/17

Left Out: 4.141+/-6.337 χ^2/NDF : 19.5/23

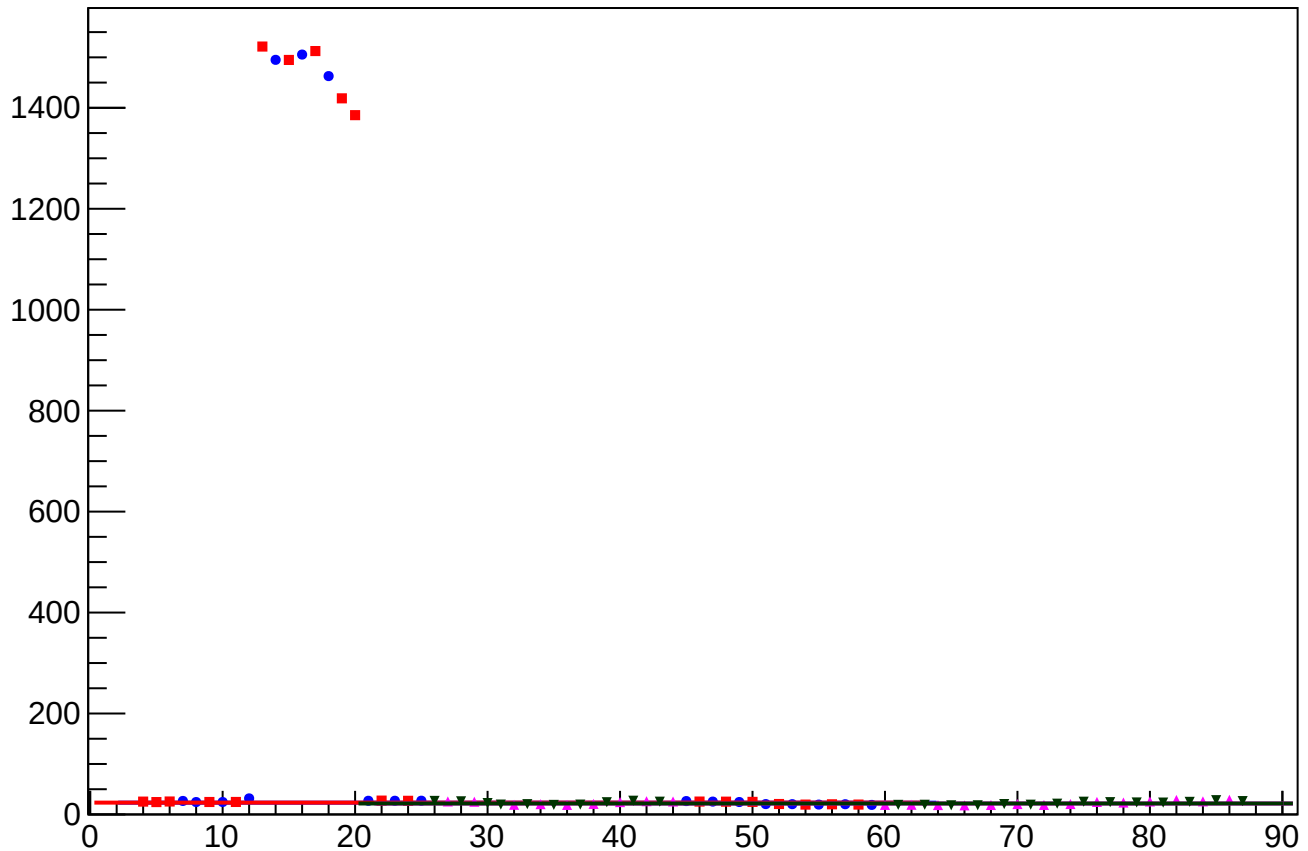
Right Out: 7.973+/-8.718 χ^2/NDF : 7.3/18

Left In: -12.663+/-6.126 χ^2/NDF : 17.3/22

0.914+/-4.937 χ^2/NDF : 37.8/41

-5.842+/-5.012 χ^2/NDF : 28.4/41

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs slug



Right In: 23.336+/-0.006 χ^2/NDF : 4965228.2/17

Left Out: 21.752+/-0.004 χ^2/NDF :465902.2/23

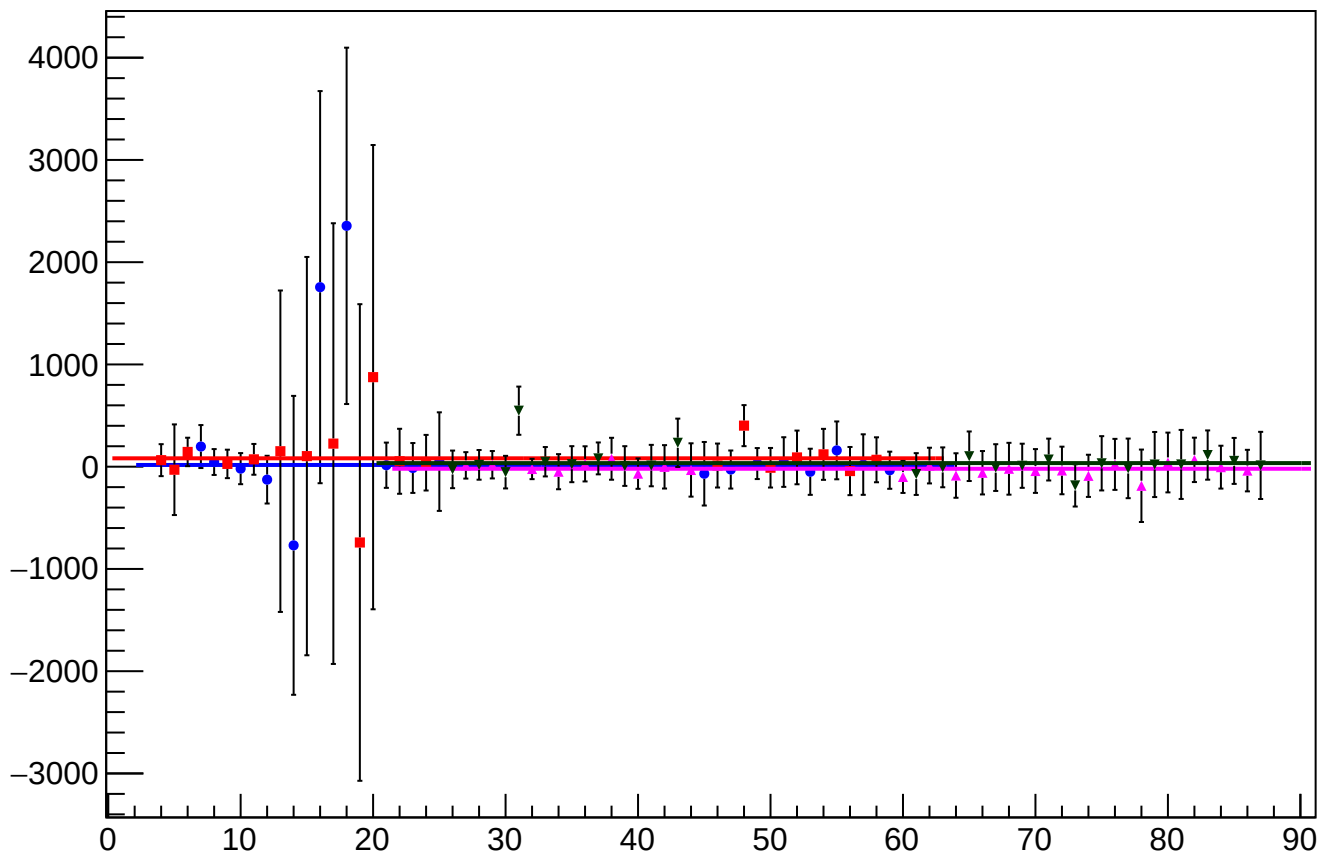
Right Out: 23.445+/-0.006 χ^2/NDF : 5561556.7/18

Left In: 21.645+/-0.004 χ^2/NDF :570648.1/22

22.374+/-0.003 χ^2/NDF : 5480281.4/41

22.240+/-0.004 χ^2/NDF : 6189265.5/41

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs slug



Right In: 16.936 $\pm$ 52.488 χ^2 /NDF: 4.7/17

Left Out: 35.168 $\pm$ 41.847 χ^2 /NDF: 7.7/23

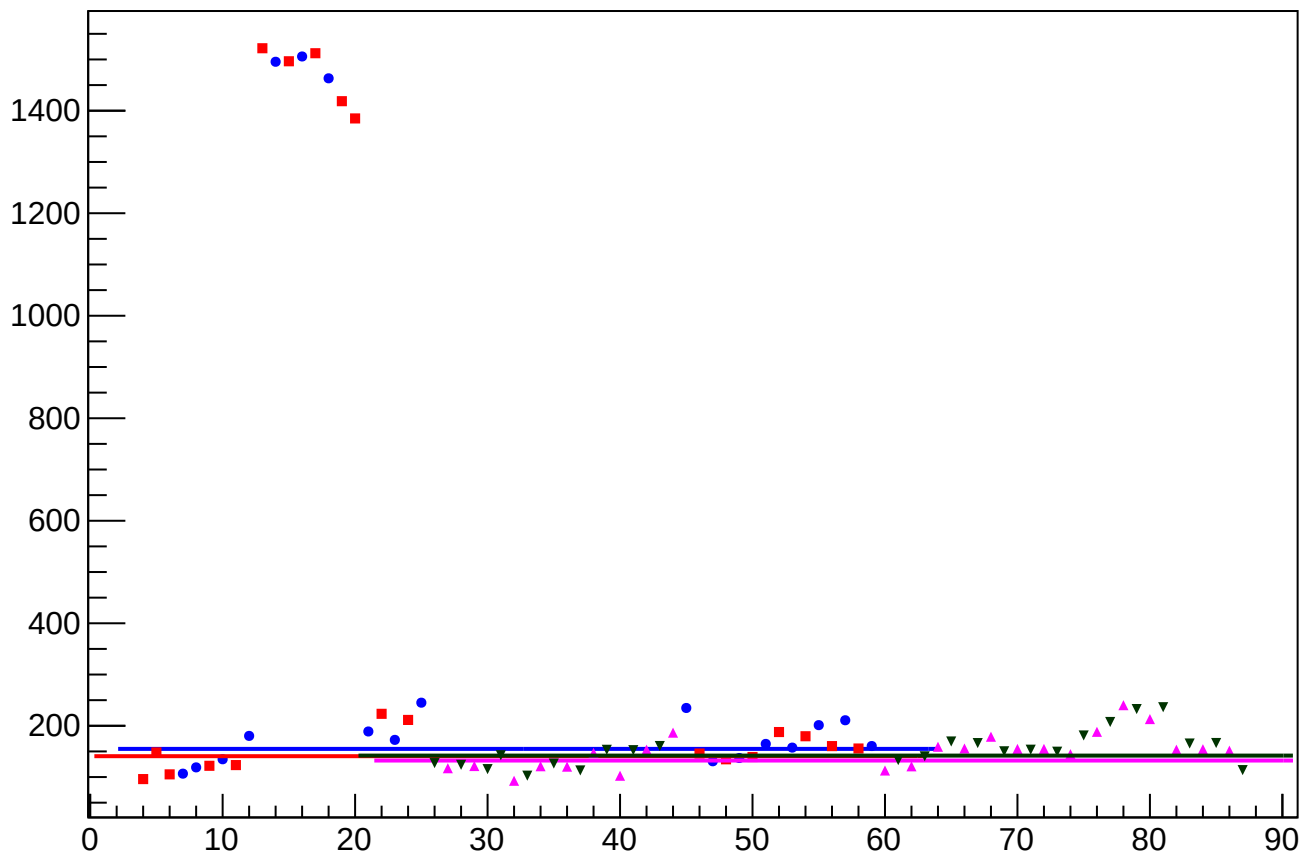
Right Out: 81.906 $\pm$ 52.666 χ^2 /NDF: 3.9/18

Left In: -20.287 $\pm$ 38.052 χ^2 /NDF: 1.6/22

28.083 $\pm$ 32.721 χ^2 /NDF: 12.6/41

14.764 $\pm$ 30.844 χ^2 /NDF: 8.0/41

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs slug



Right In: 154.947+/-0.037 χ^2/NDF : 4580594.9/17

Left Out: 141.859+/-0.030 χ^2/NDF : 942110.1/23

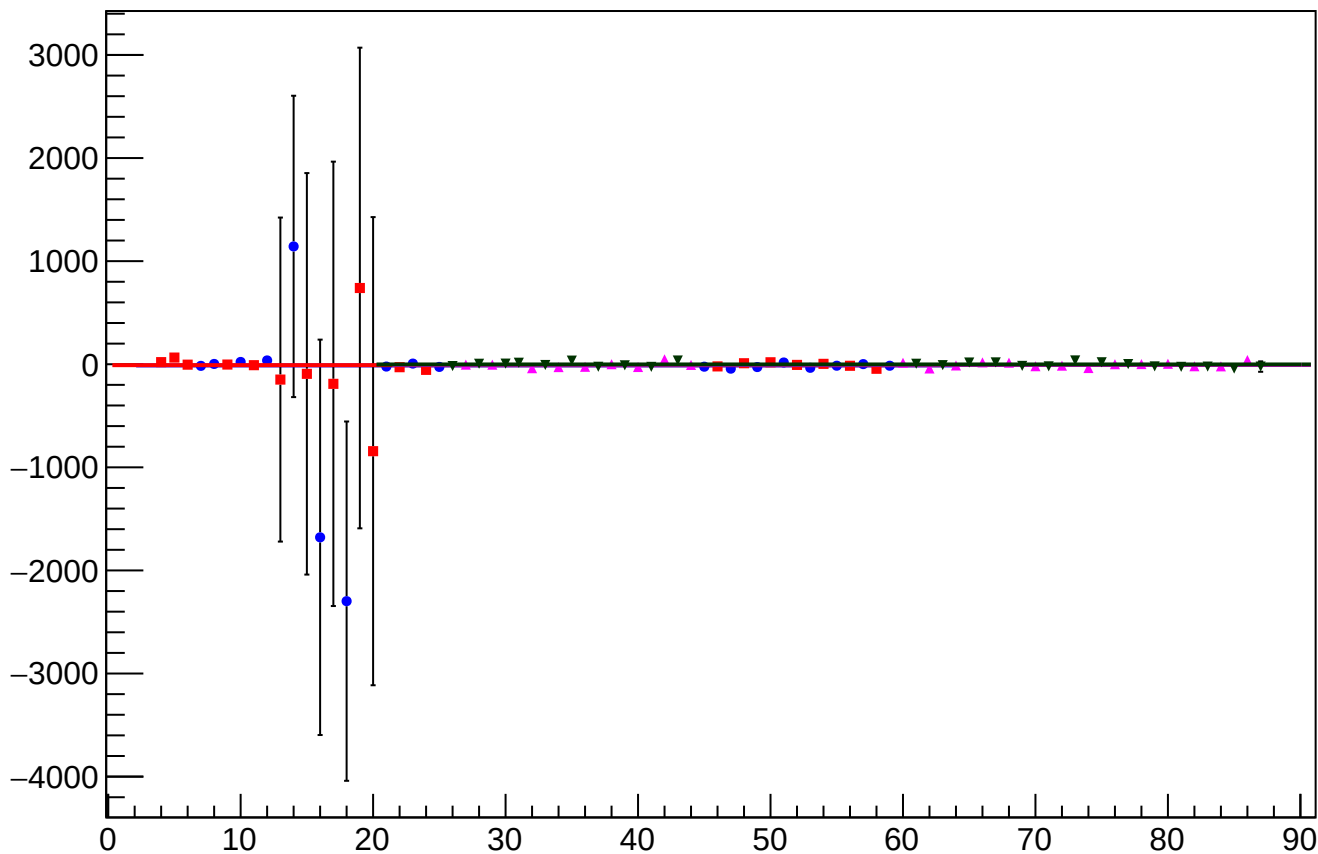
Right Out: 140.710+/-0.037 χ^2/NDF : 5291988.7/18

Left In: 132.229+/-0.027 χ^2/NDF : 1279421.2/22

146.945+/-0.023 χ^2/NDF : 5598737.1/41

135.138+/-0.022 χ^2/NDF : 6605478.8/41

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs slug



Right In: -11.332 $\pm$ 5.773 χ^2 /NDF: 15.0/17

Left Out: -2.197 $\pm$ 4.707 χ^2 /NDF: 20.4/23

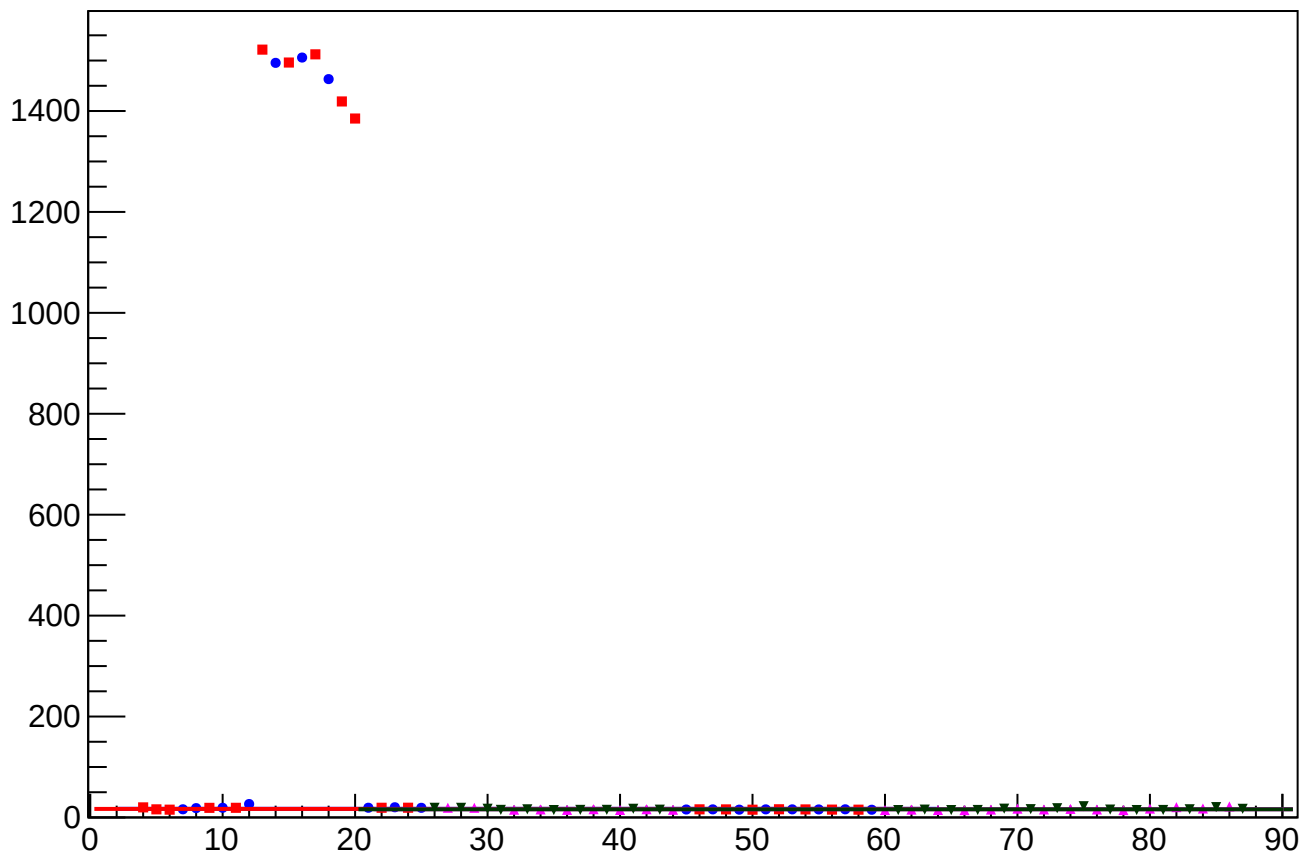
Right Out: -8.864 $\pm$ 6.293 χ^2 /NDF: 13.3/18

Left In: -7.582 $\pm$ 4.605 χ^2 /NDF: 23.3/22

-5.844 $\pm$ 3.648 χ^2 /NDF: 36.9/41

-8.029 $\pm$ 3.716 χ^2 /NDF: 36.7/41

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs slug



Right In: 17.094+/-0.004 χ^2/NDF : 4922010.4/17

Left Out: 16.158+/-0.003 χ^2/NDF : 283624.6/23

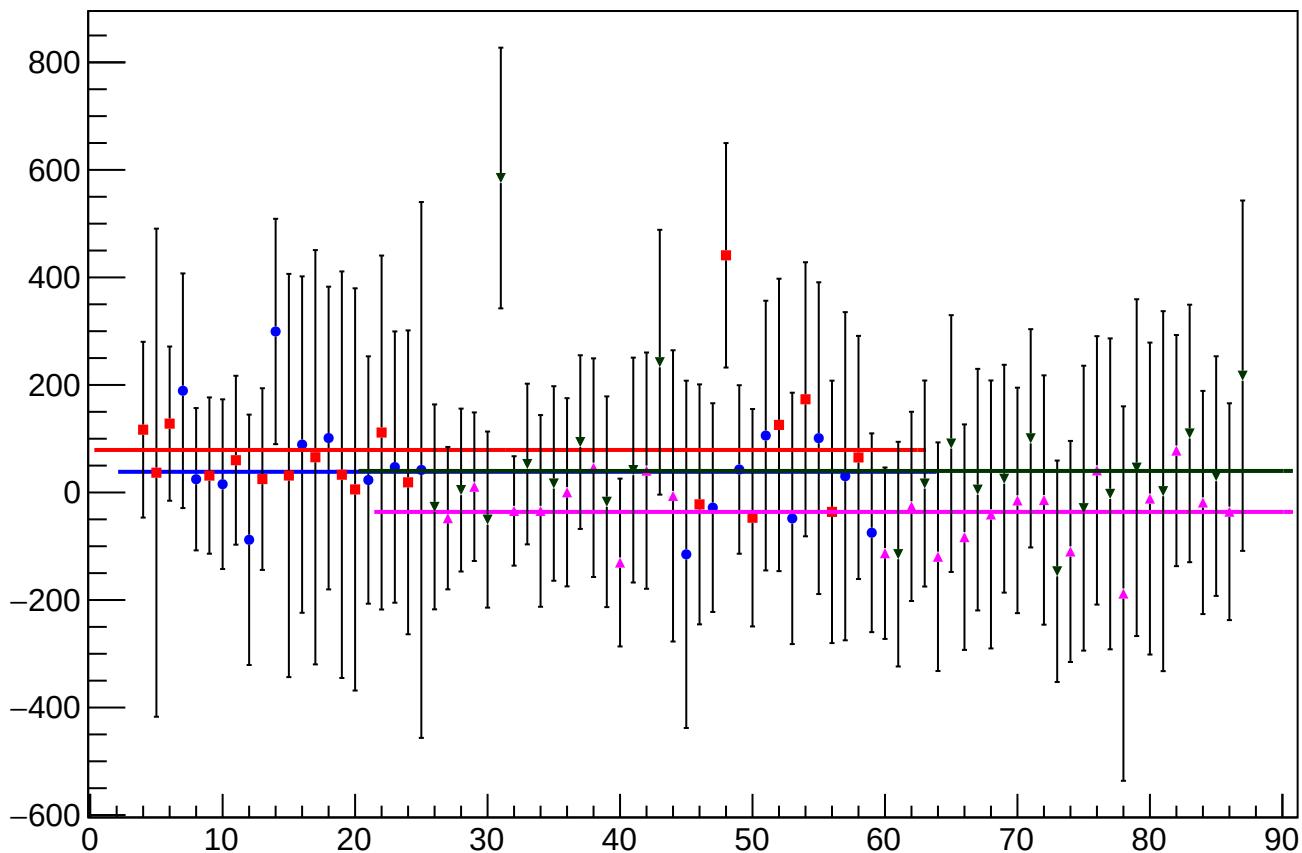
Right Out: 16.920+/-0.004 χ^2/NDF : 5539958.1/18

Left In: 16.306+/-0.003 χ^2/NDF : 288085.1/22

16.532+/-0.003 χ^2/NDF : 5237245.7/41

16.520+/-0.003 χ^2/NDF : 5840443.8/41

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs slug



Right In: 38.450+/-51.040 χ^2/NDF : 3.4/17

Left Out: 40.062+/-42.471 χ^2/NDF : 8.5/23

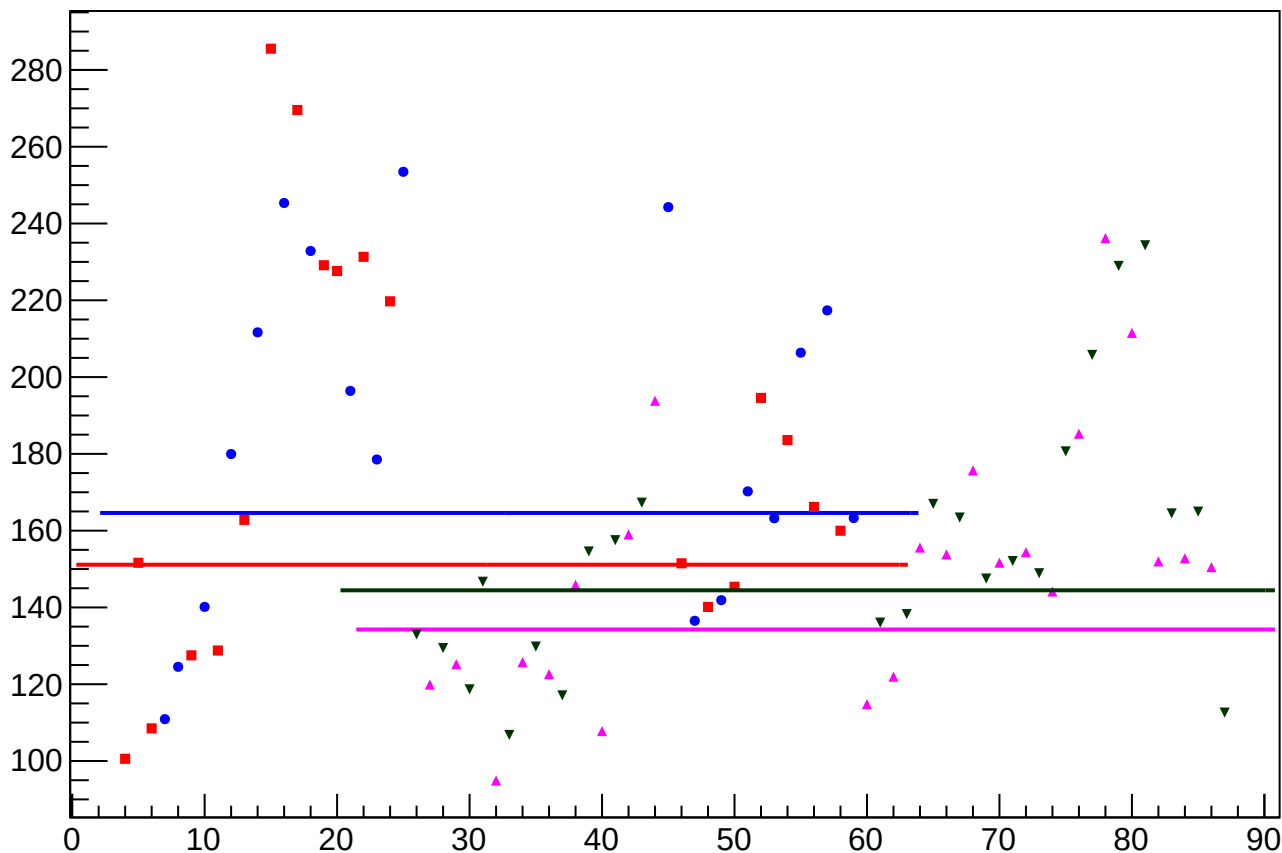
Right Out: 79.078+/-50.233 χ^2/NDF : 4.5/18

Left In: -36.153+/-38.548 χ^2/NDF : 2.0/22

39.402+/-32.647 χ^2/NDF : 11.9/41

6.554+/-30.582 χ^2/NDF : 9.8/41

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs slug



Right In: 164.613 $\pm$ 0.036 χ^2 /NDF: 1128549.0/17

Left Out: 144.462 $\pm$ 0.030 χ^2 /NDF: 813201.6/23

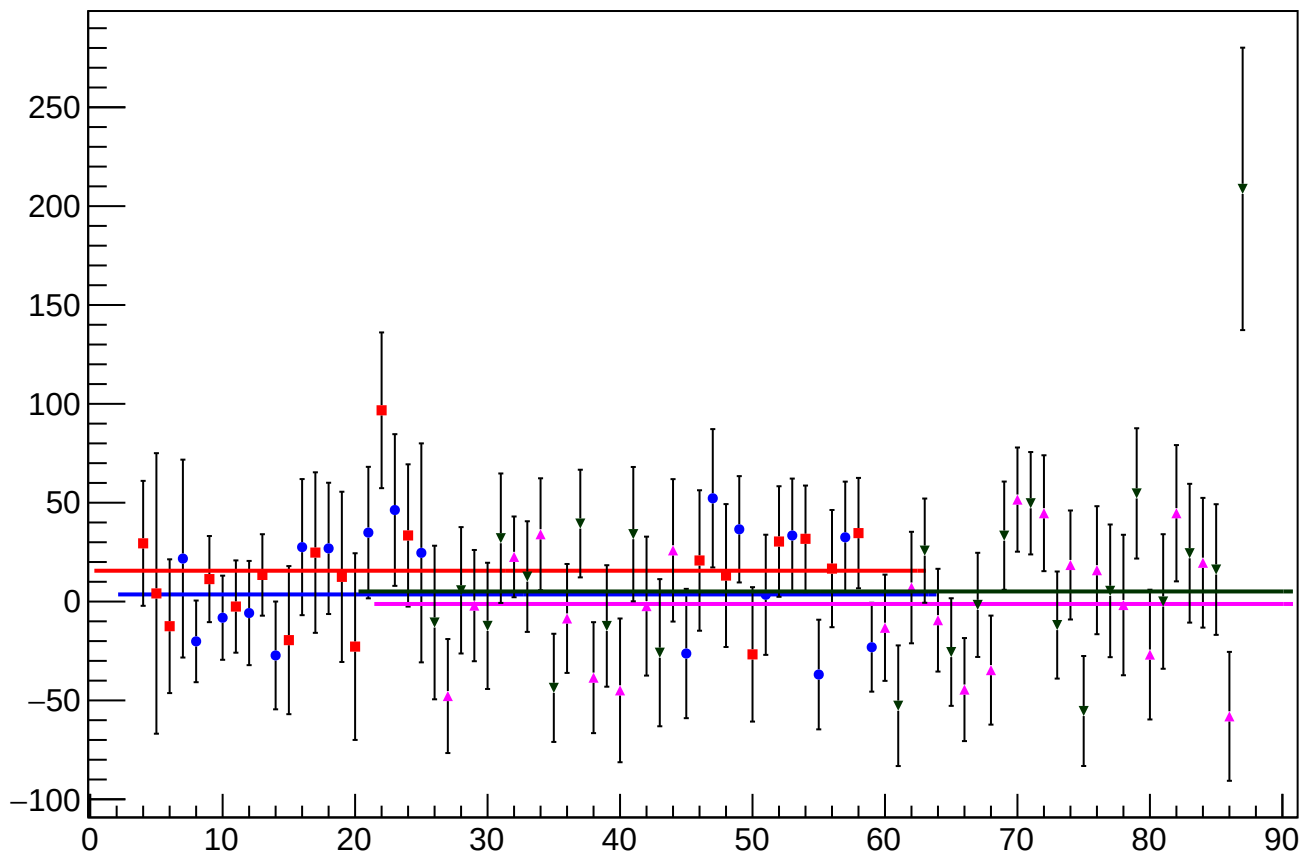
152.706 $\pm$ 0.023 χ^2 /NDF: 2125944.9/41

Right Out: 151.124 $\pm$ 0.036 χ^2 /NDF: 1423423.3/18

140.510 $\pm$ 0.022 χ^2 /NDF: 2700959.6/41

Left In: 134.260 $\pm$ 0.027 χ^2 /NDF: 1135683.1/22

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs slug



Right In: 3.606 ± 6.842 χ^2/NDF : 16.3/17

Left Out: 5.110 ± 6.256 χ^2/NDF : 33.2/23

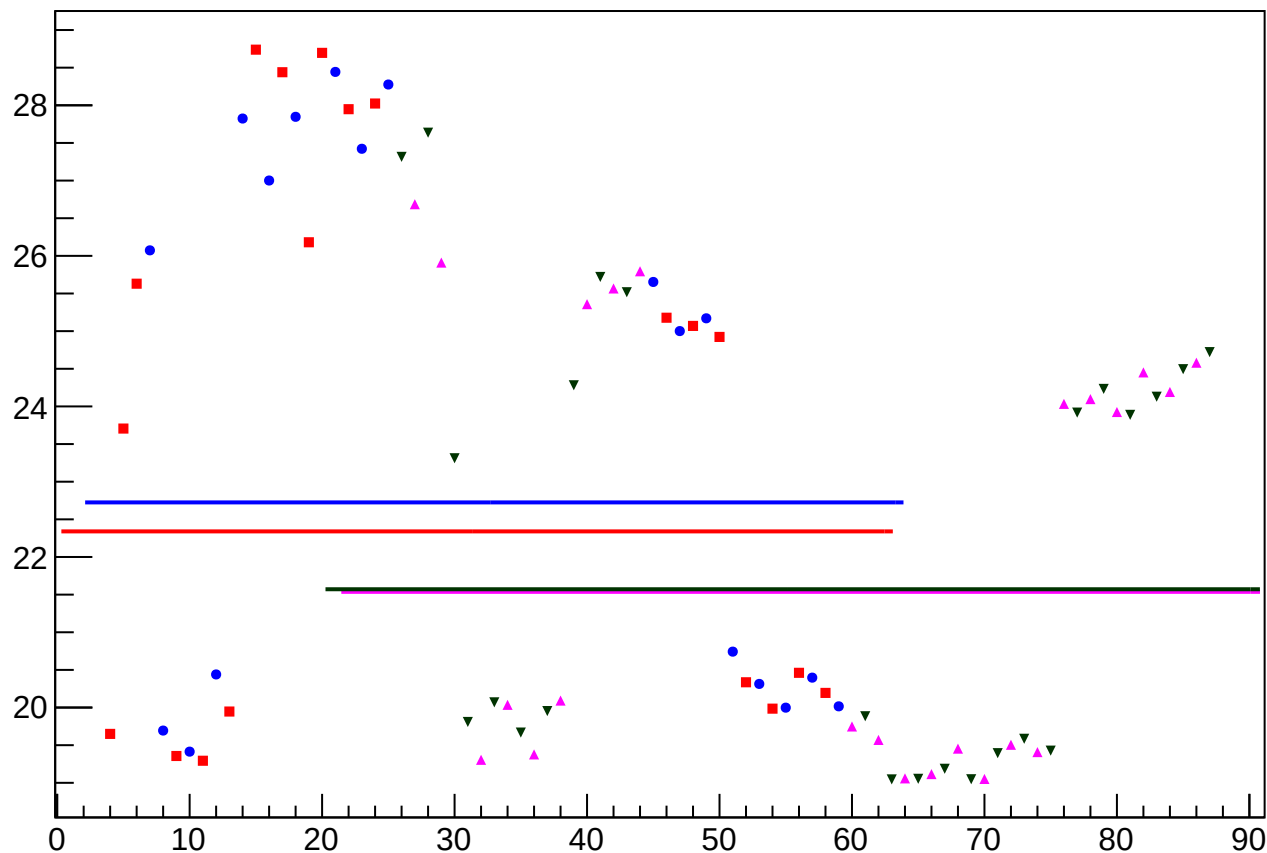
Right Out: 15.596 ± 7.143 χ^2/NDF : 10.3/18

Left In: -1.221 ± 6.057 χ^2/NDF : 27.1/22

4.425 ± 4.617 χ^2/NDF : 49.6/41

5.814 ± 4.620 χ^2/NDF : 40.6/41

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs slug



Right In: 22.725 $\pm$ 0.005 χ^2 /NDF: 498774.9/17

Left Out: 21.571 $\pm$ 0.004 χ^2 /NDF: 391917.1/23

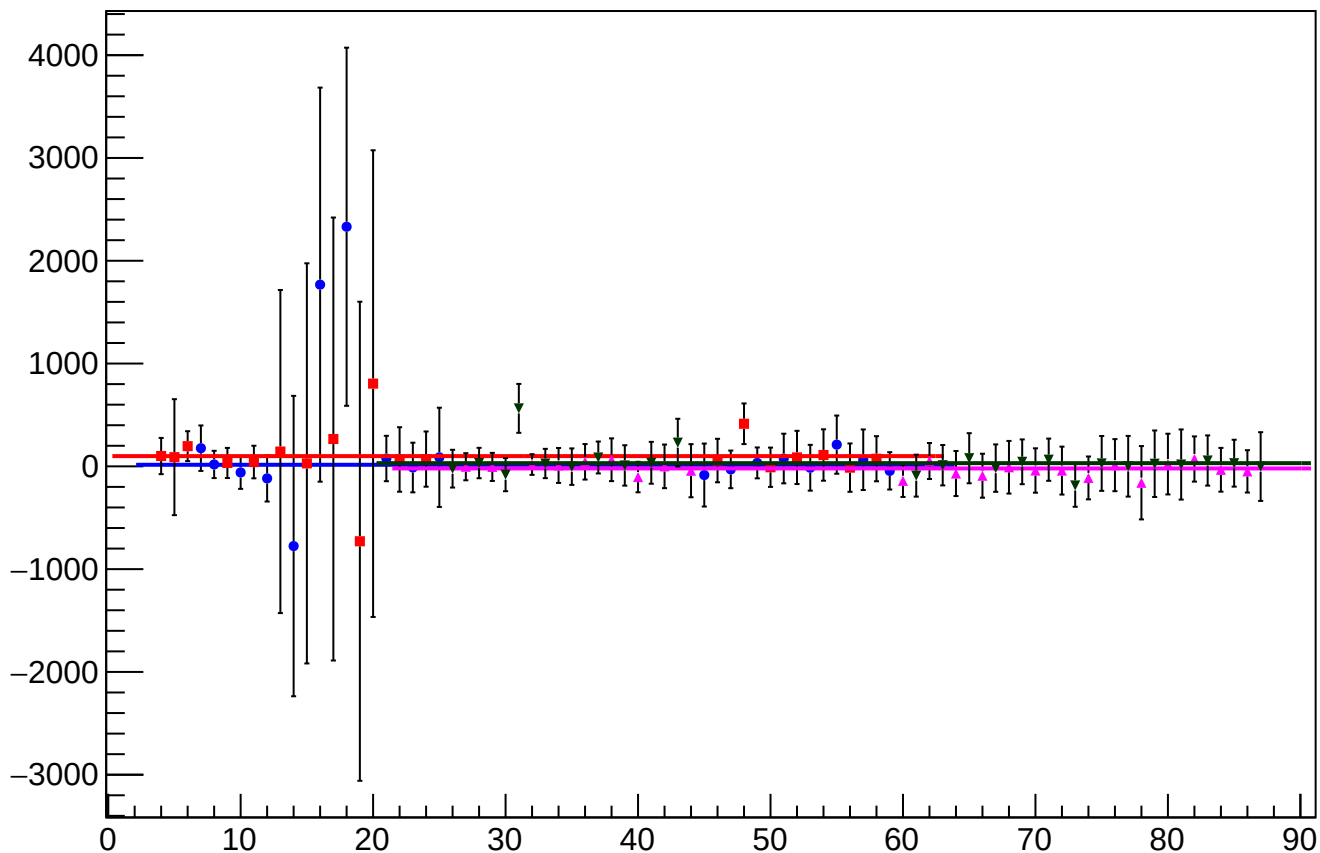
Right Out: 22.340 $\pm$ 0.005 χ^2 /NDF: 460008.2/18

Left In: 21.537 $\pm$ 0.004 χ^2 /NDF: 418063.2/22

22.097 $\pm$ 0.003 χ^2 /NDF: 921661.4/41

21.873 $\pm$ 0.003 χ^2 /NDF: 892774.6/41

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs slug



Right In: 15.197 $\pm$ 53.019 χ^2 /NDF: 5.0/17

Left Out: 30.964 $\pm$ 42.081 χ^2 /NDF: 8.1/23

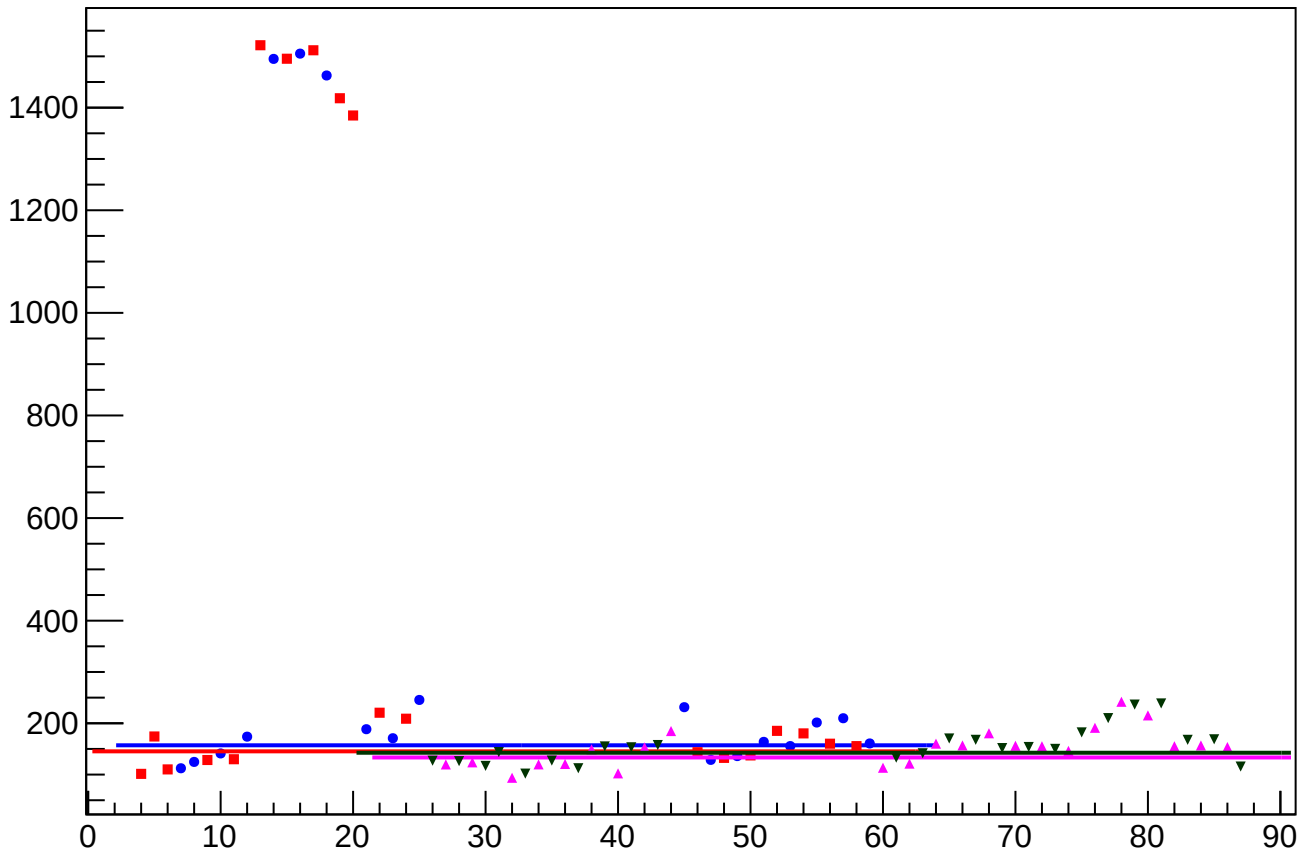
Right Out: 99.514 $\pm$ 54.286 χ^2 /NDF: 4.2/18

Left In: -20.452 $\pm$ 38.373 χ^2 /NDF: 2.4/22

24.870 $\pm$ 32.961 χ^2 /NDF: 13.1/41

19.519 $\pm$ 31.335 χ^2 /NDF: 9.8/41

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs slug



Right In: 157.088+/-0.037 χ^2/NDF : 4456786.2/17

Left Out: 142.576+/-0.030 χ^2/NDF :967597.8/23

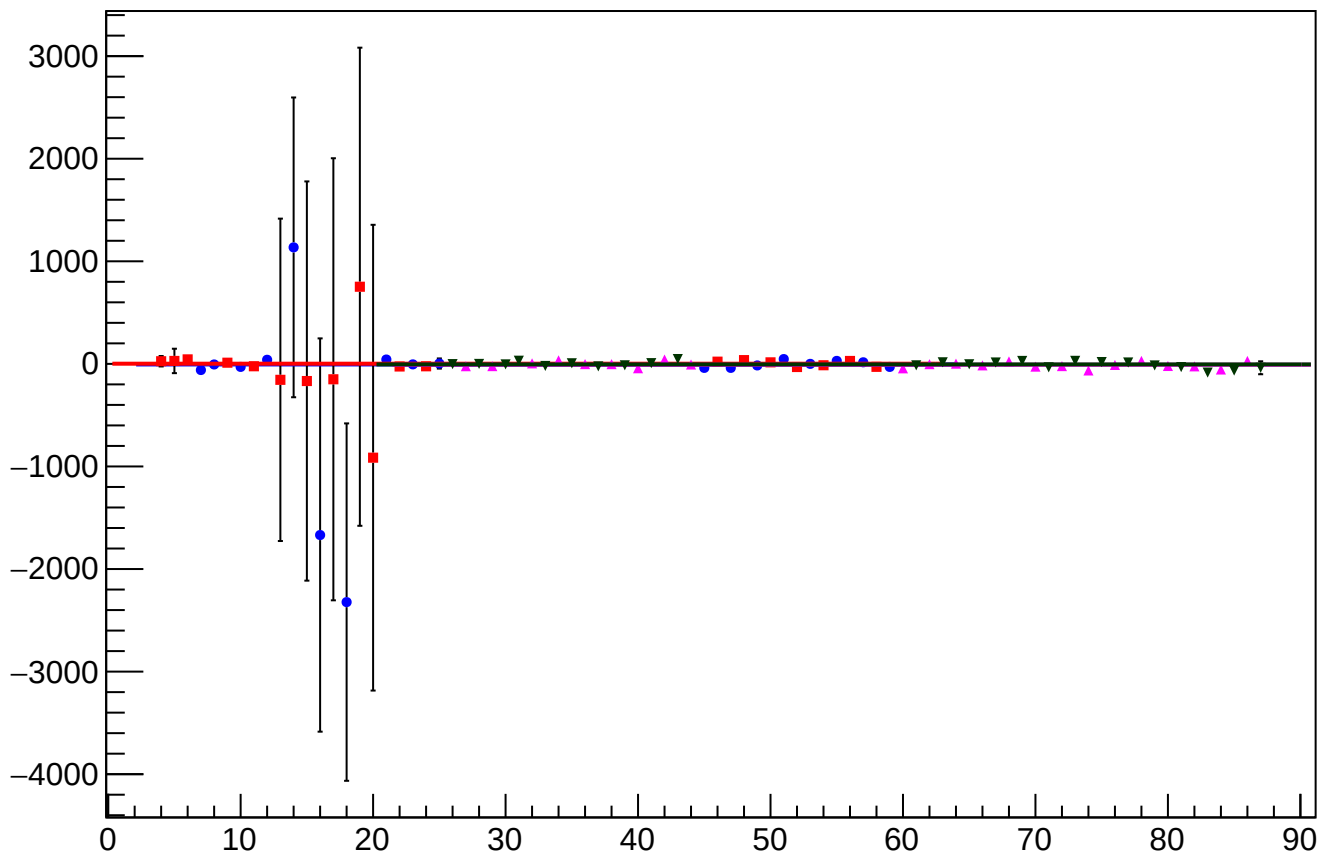
148.185+/-0.023 χ^2/NDF : 5516309.6/41

Right Out: 145.299+/-0.038 χ^2/NDF : 5124139.9/18

137.343+/-0.022 χ^2/NDF : 6466989.9/41

Left In: 133.367+/-0.027 χ^2/NDF :1278418.3/22

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs slug



Right In: -5.662+/-7.390 χ^2/NDF : 18.7/17

Left Out: -5.227+/-6.081 χ^2/NDF : 22.2/23

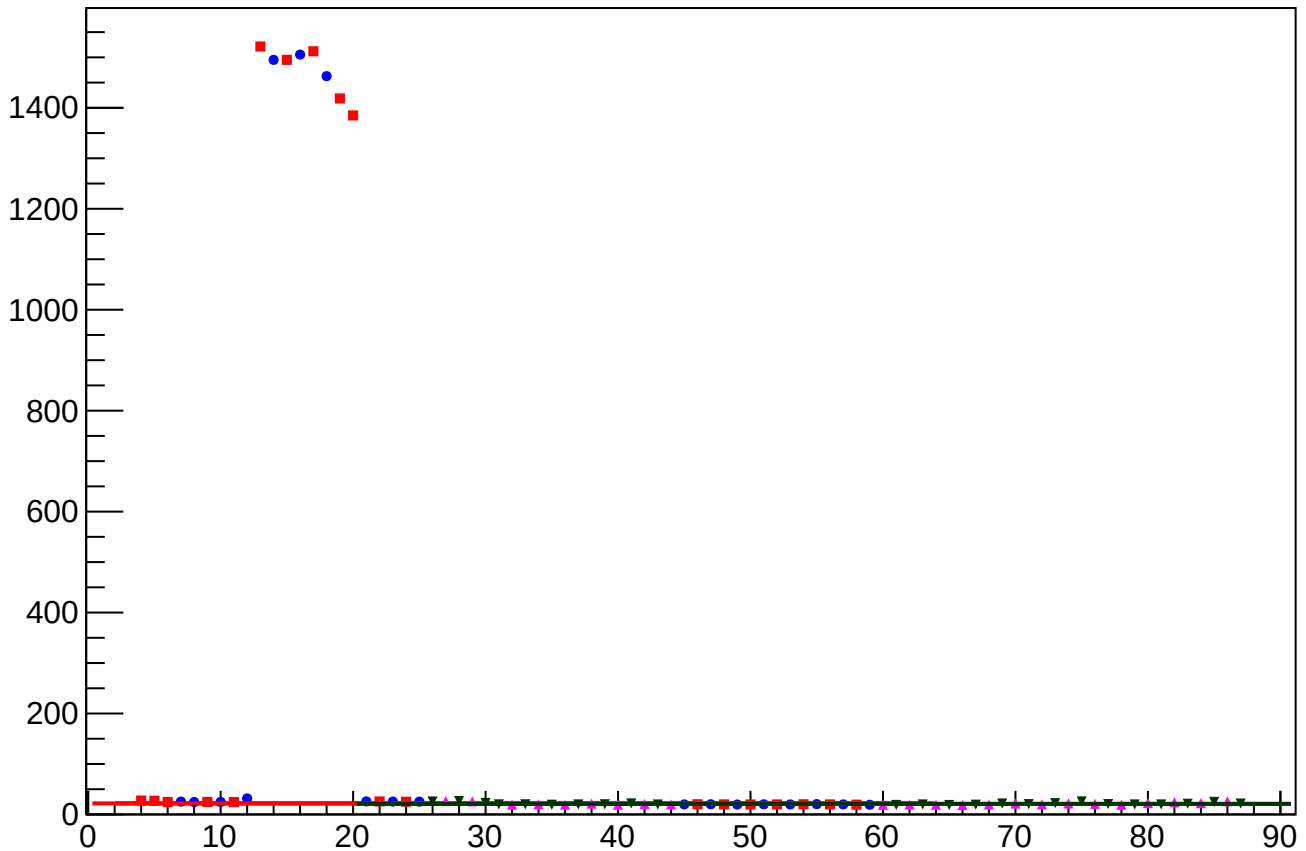
Right Out: 1.722+/-8.261 χ^2/NDF : 10.4/18

Left In: -8.605+/-5.913 χ^2/NDF : 20.4/22

-5.403+/-4.696 χ^2/NDF : 40.9/41

-5.107+/-4.808 χ^2/NDF : 31.8/41

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs slug



Right In: 21.918 $\pm$ 0.005 χ^2 /NDF: 4931747.1/17

Left Out: 20.961 $\pm$ 0.004 χ^2 /NDF:240122.9/23

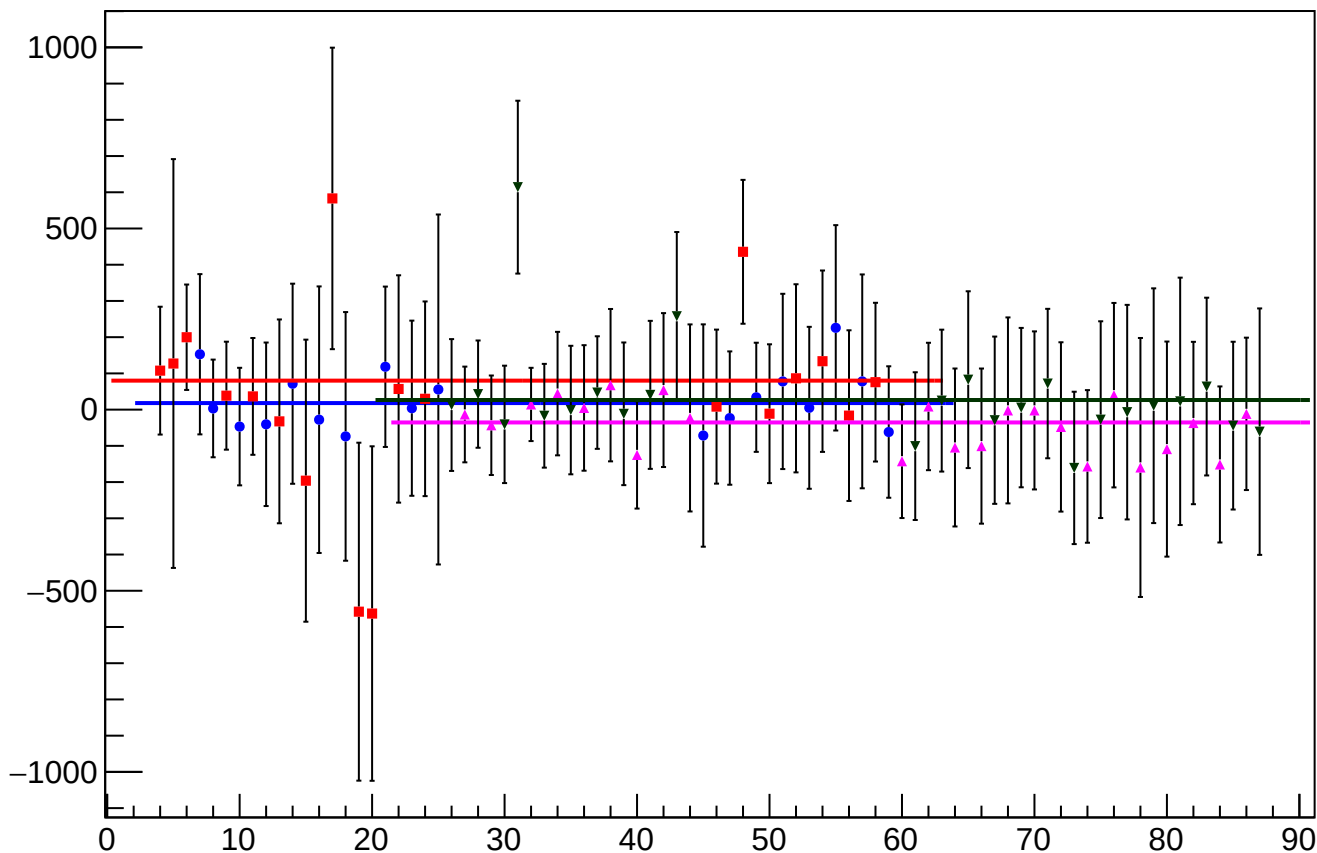
Right Out: 21.987 $\pm$ 0.006 χ^2 /NDF: 5559967.3/18

Left In: 21.017 $\pm$ 0.004 χ^2 /NDF:288595.2/22

21.347 $\pm$ 0.003 χ^2 /NDF: 5191885.1/41

21.346 $\pm$ 0.003 χ^2 /NDF: 5866788.3/41

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs slug



Right In: 18.106+/-51.332 χ^2/NDF : 1.9/17

Left Out: 26.555+/-42.215 χ^2/NDF : 9.0/23

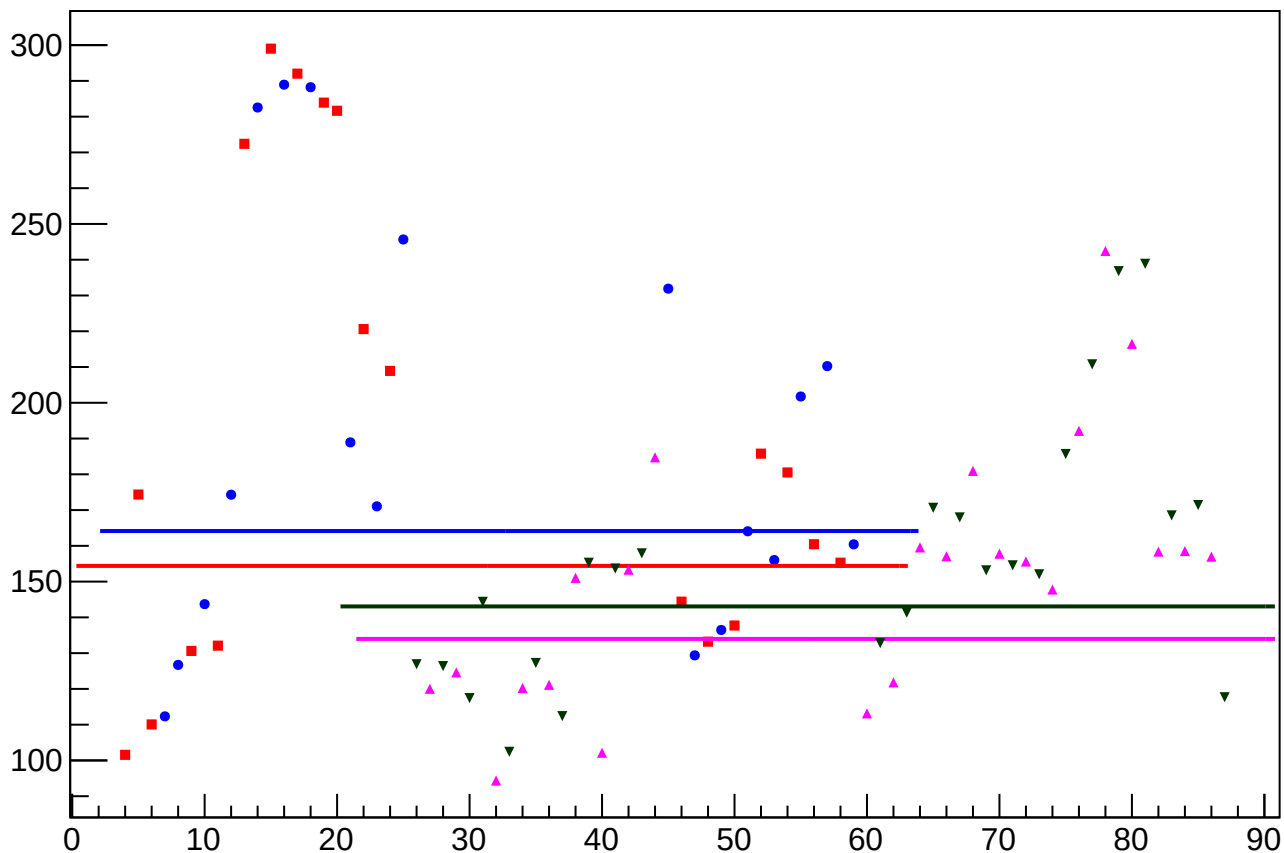
Right Out: 80.043+/-52.081 χ^2/NDF : 10.6/18

Left In: -35.409+/-38.554 χ^2/NDF : 3.0/22

23.146+/-32.605 χ^2/NDF : 11.0/41

5.461+/-30.987 χ^2/NDF : 16.8/41

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs slug



Right In: 164.140 $\pm$ 0.036 χ^2/NDF : 1566554.6/17

Left Out: 143.064 $\pm$ 0.030 χ^2/NDF : 976830.8/23

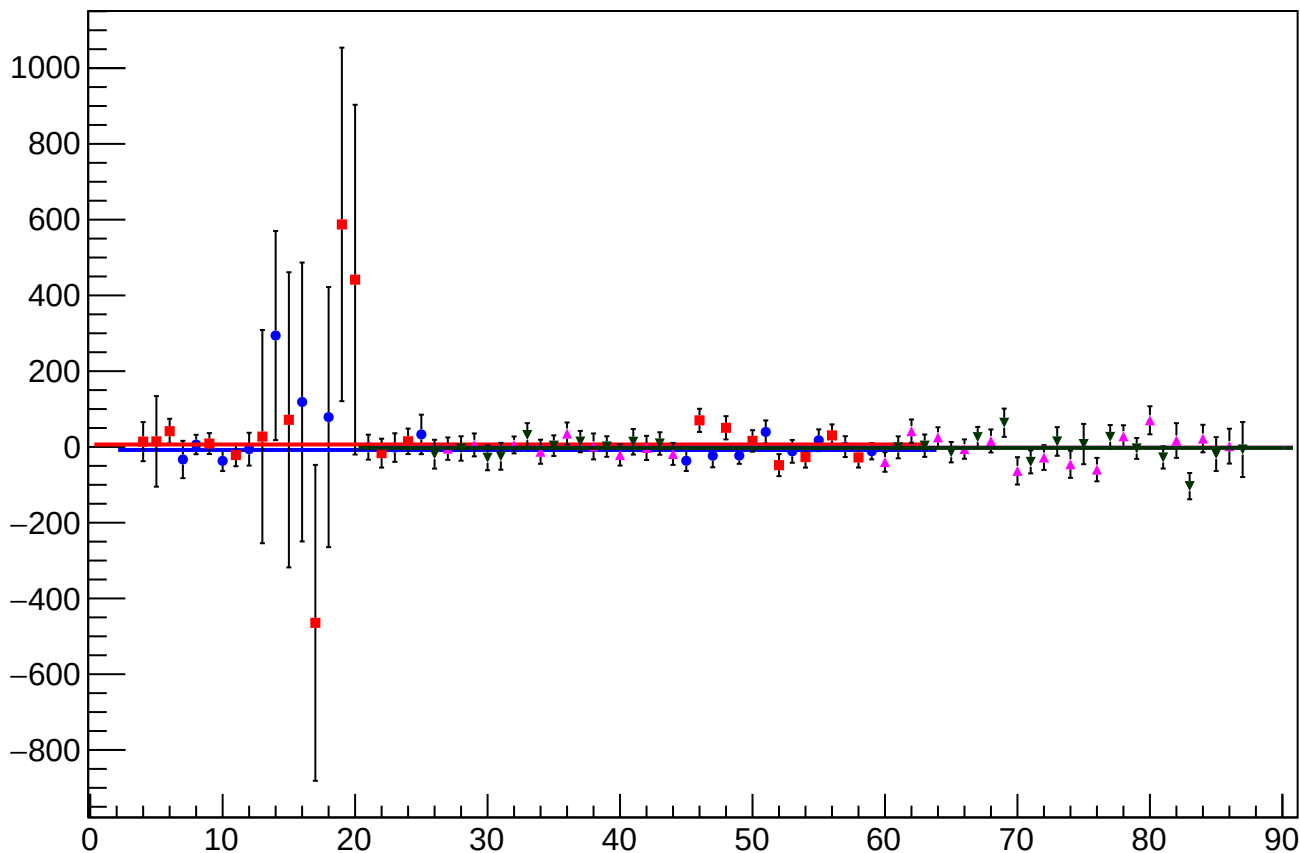
Right Out: 154.395 $\pm$ 0.037 χ^2/NDF : 1875575.3/18

Left In: 133.975 $\pm$ 0.027 χ^2/NDF : 1290631.6/22

151.567 $\pm$ 0.023 χ^2/NDF : 2744507.6/41

141.204 $\pm$ 0.022 χ^2/NDF : 3364813.9/41

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs slug



Right In: -7.981+/-7.603 χ^2/NDF : 9.0/17

Left Out: -2.465+/-6.549 χ^2/NDF : 19.6/23

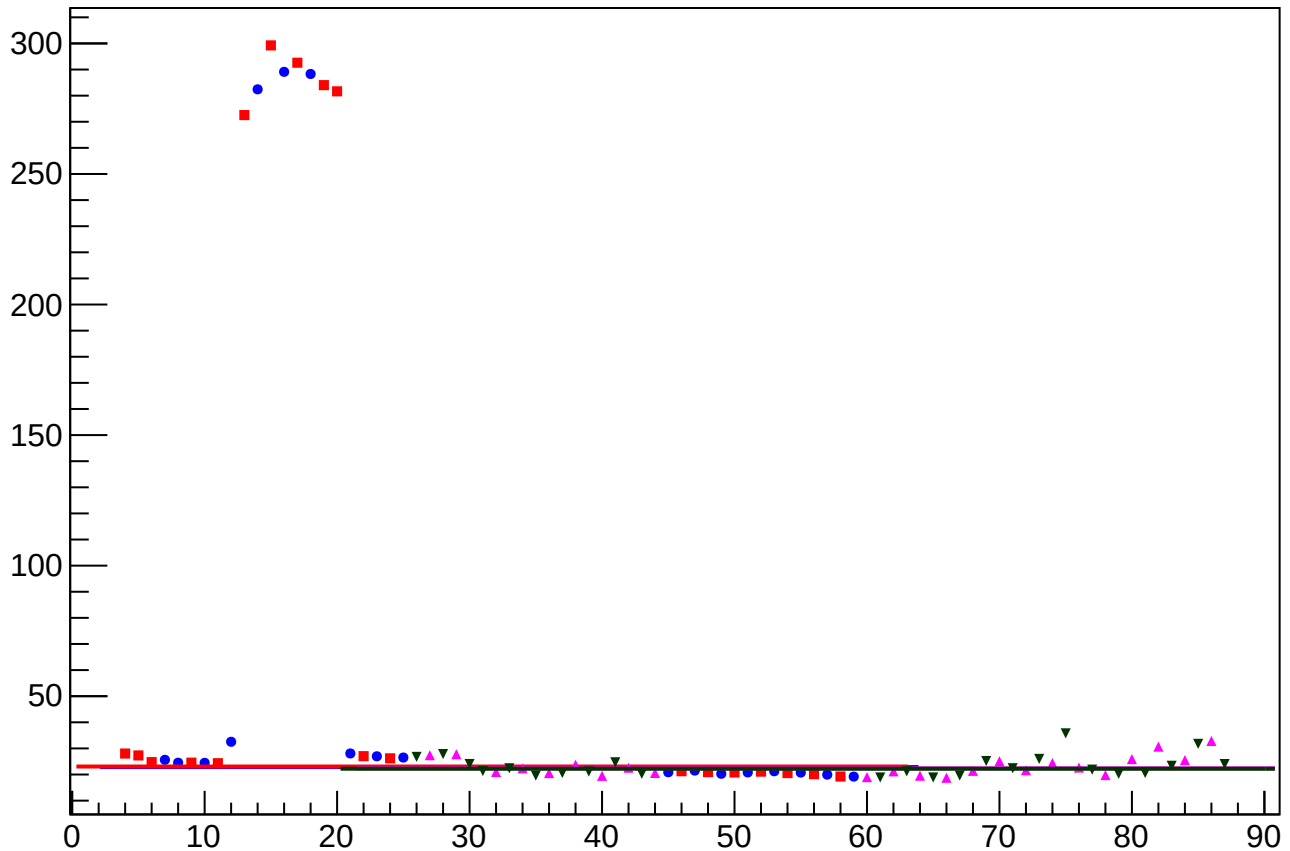
Right Out: 6.463+/-8.479 χ^2/NDF : 20.1/18

Left In: -1.871+/-6.402 χ^2/NDF : 22.2/22

-4.815+/-4.962 χ^2/NDF : 28.9/41

1.155+/-5.109 χ^2/NDF : 42.9/41

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs slug



Right In: 22.854+/-0.005 χ^2/NDF : 4363507.8/17

Left Out: 22.226+/-0.005 χ^2/NDF : 495292.1/23

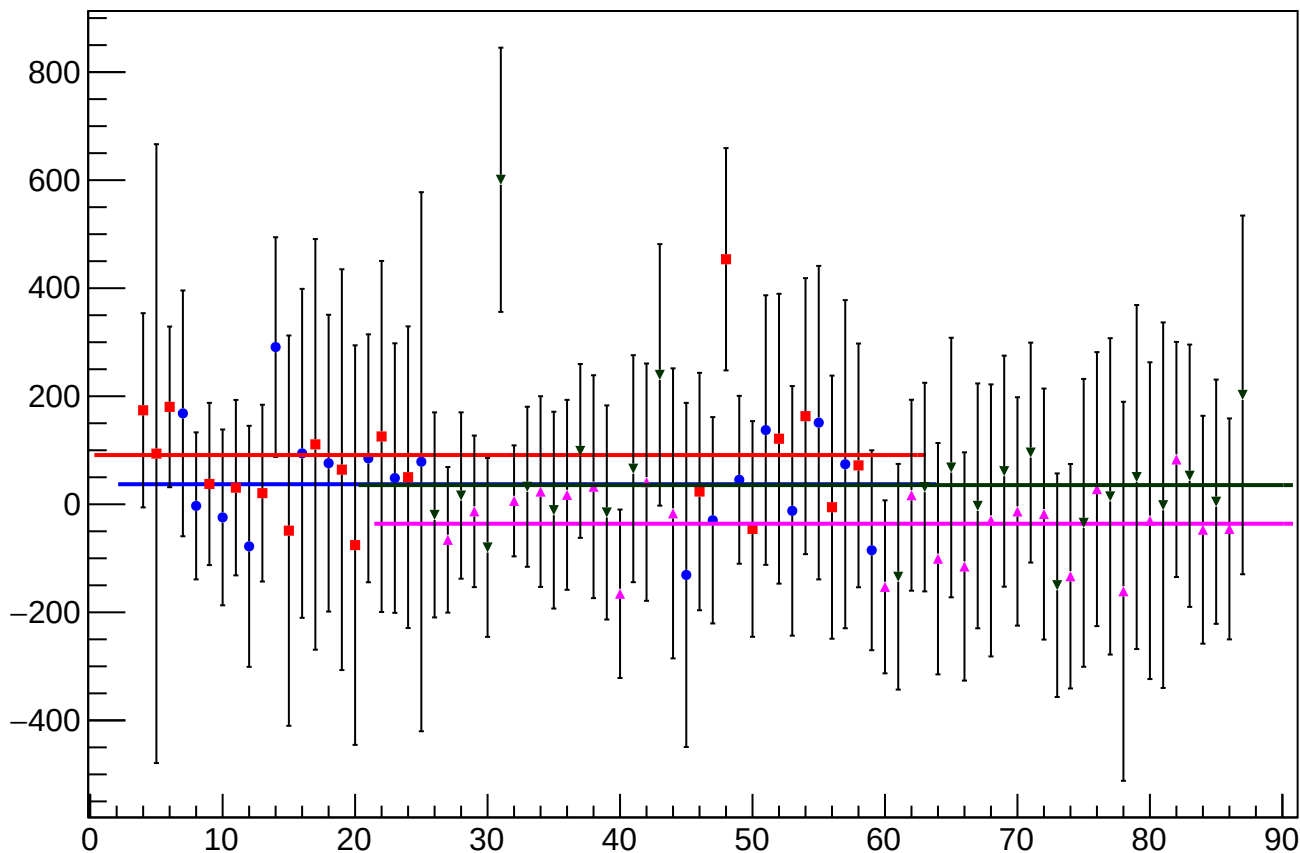
22.494+/-0.004 χ^2/NDF : 4866623.1/41

Right Out: 23.069+/-0.006 χ^2/NDF : 4856723.7/18

22.621+/-0.004 χ^2/NDF : 5373142.1/41

Left In: 22.365+/-0.005 χ^2/NDF : 507647.9/22

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs slug



Right In: 37.153+/-51.038 χ^2/NDF : 3.7/17

Left Out: 35.514+/-42.700 χ^2/NDF : 8.9/23

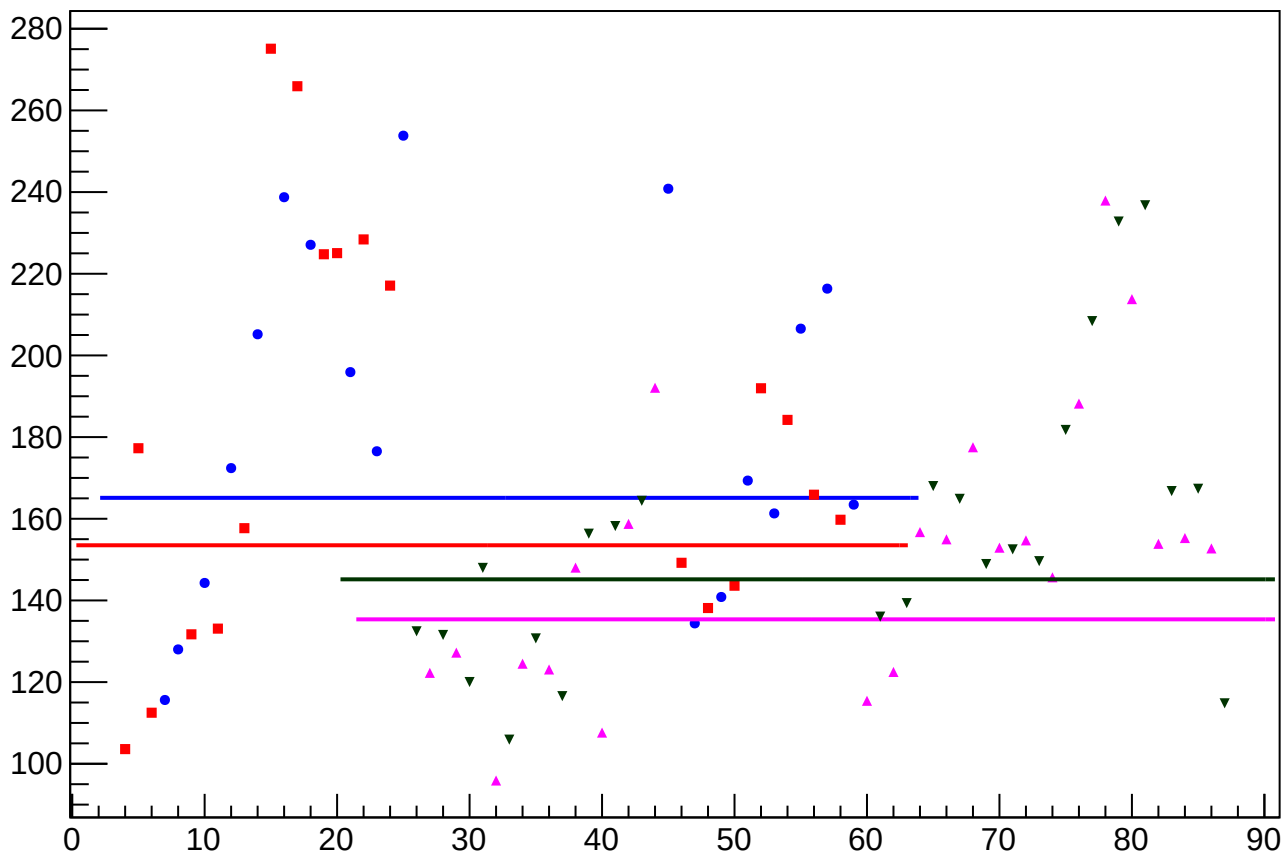
Right Out: 91.157+/-50.934 χ^2/NDF : 5.3/18

Left In: -35.958+/-38.861 χ^2/NDF : 3.0/22

36.189+/-32.750 χ^2/NDF : 12.6/41

10.813+/-30.895 χ^2/NDF : 12.2/41

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs slug



Right In: 165.125+/-0.036 χ^2/NDF : 990659.0/17

Left Out: 145.168+/-0.030 χ^2/NDF : 837815.7/23

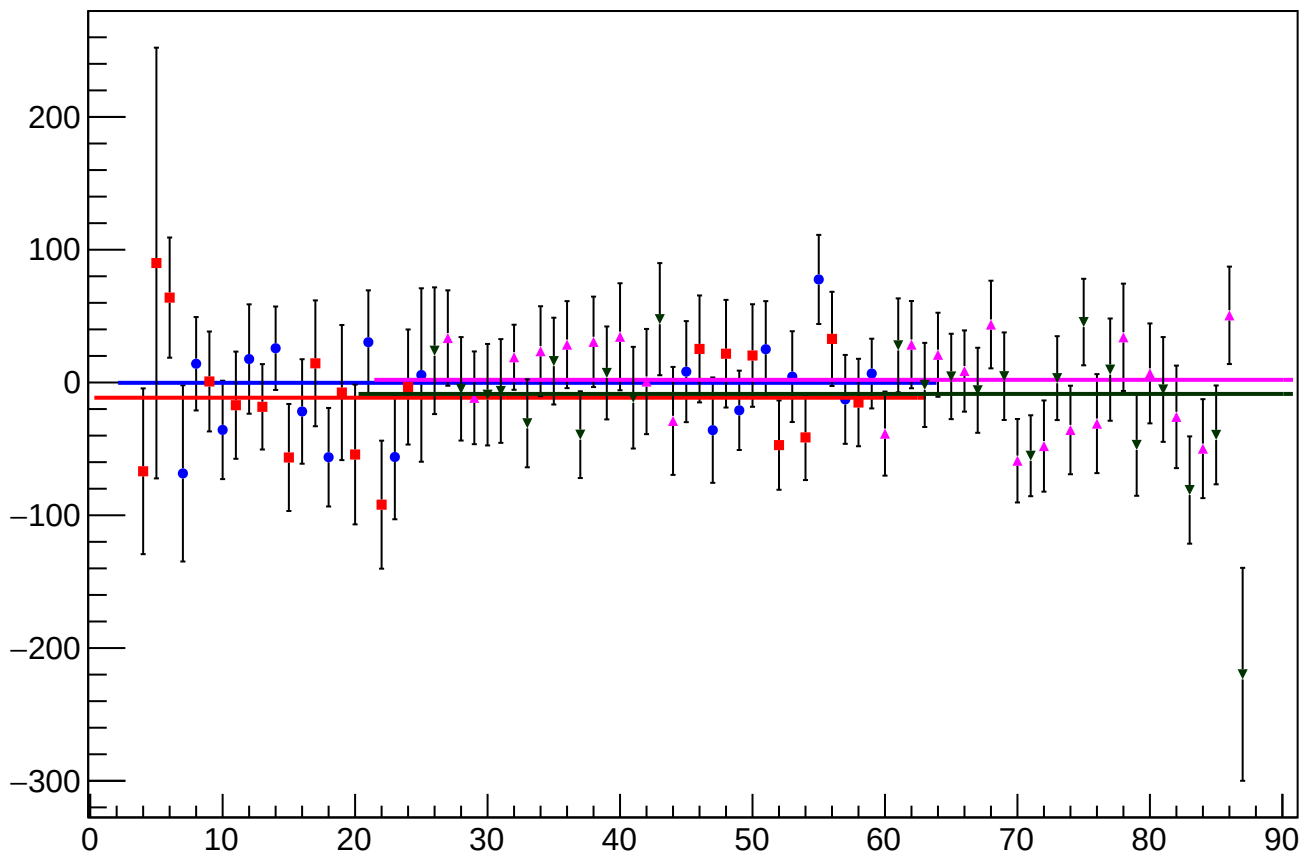
153.386+/-0.023 χ^2/NDF : 2008350.8/41

Right Out: 153.509+/-0.036 χ^2/NDF : 1238601.8/18

142.043+/-0.022 χ^2/NDF : 2534633.9/41

Left In: 135.368+/-0.027 χ^2/NDF : 1135677.3/22

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs slug



Right In: -0.239 ± 8.646 χ^2/NDF : 15.1/17

Left Out: -8.604 ± 7.363 χ^2/NDF : 23.1/23

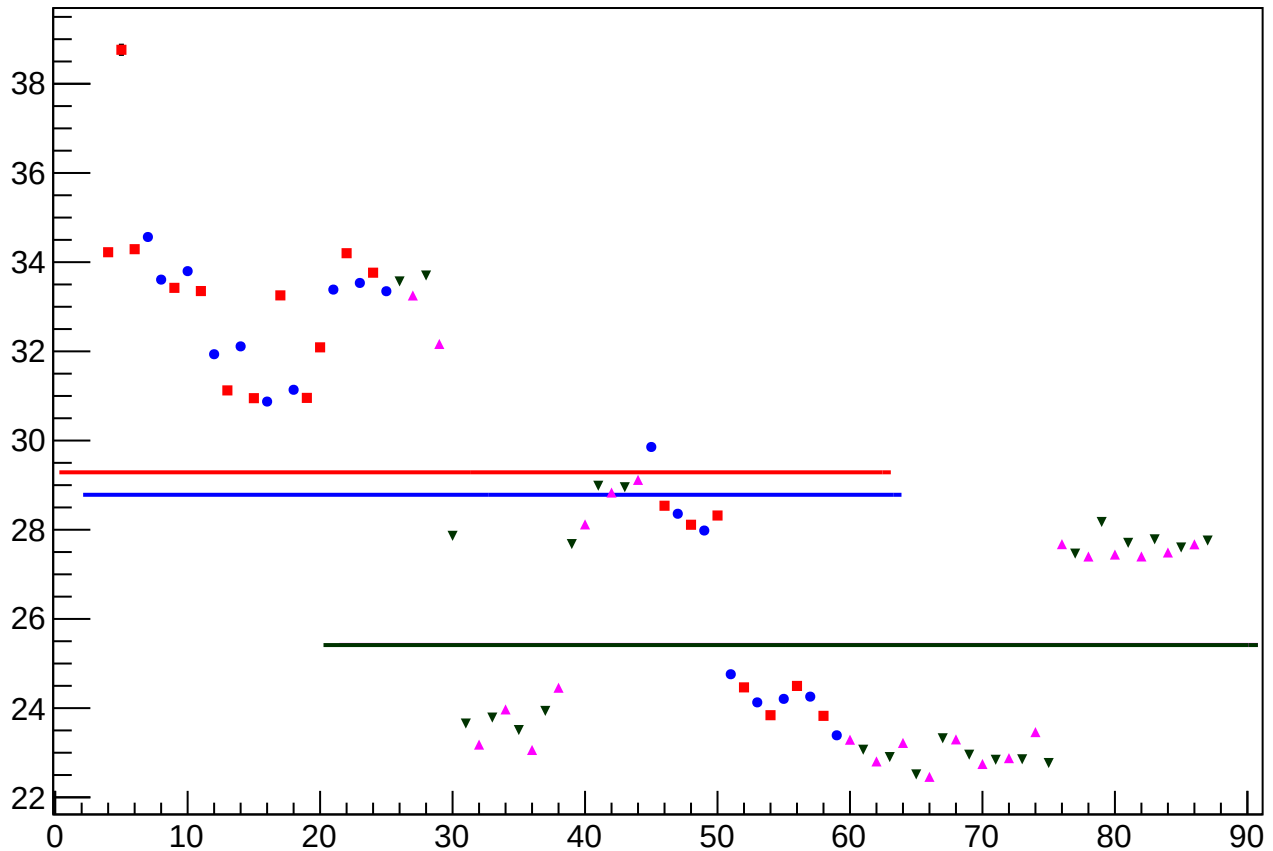
Right Out: -11.462 ± 9.405 χ^2/NDF : 14.9/18

Left In: 2.011 ± 7.139 χ^2/NDF : 21.5/22

-5.087 ± 5.606 χ^2/NDF : 38.7/41

-2.914 ± 5.686 χ^2/NDF : 37.7/41

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs slug



Right In: 28.784 $\pm$ 0.006 χ^2 /NDF: 418497.9/17

Left Out: 25.414 $\pm$ 0.005 χ^2 /NDF: 352834.4/23

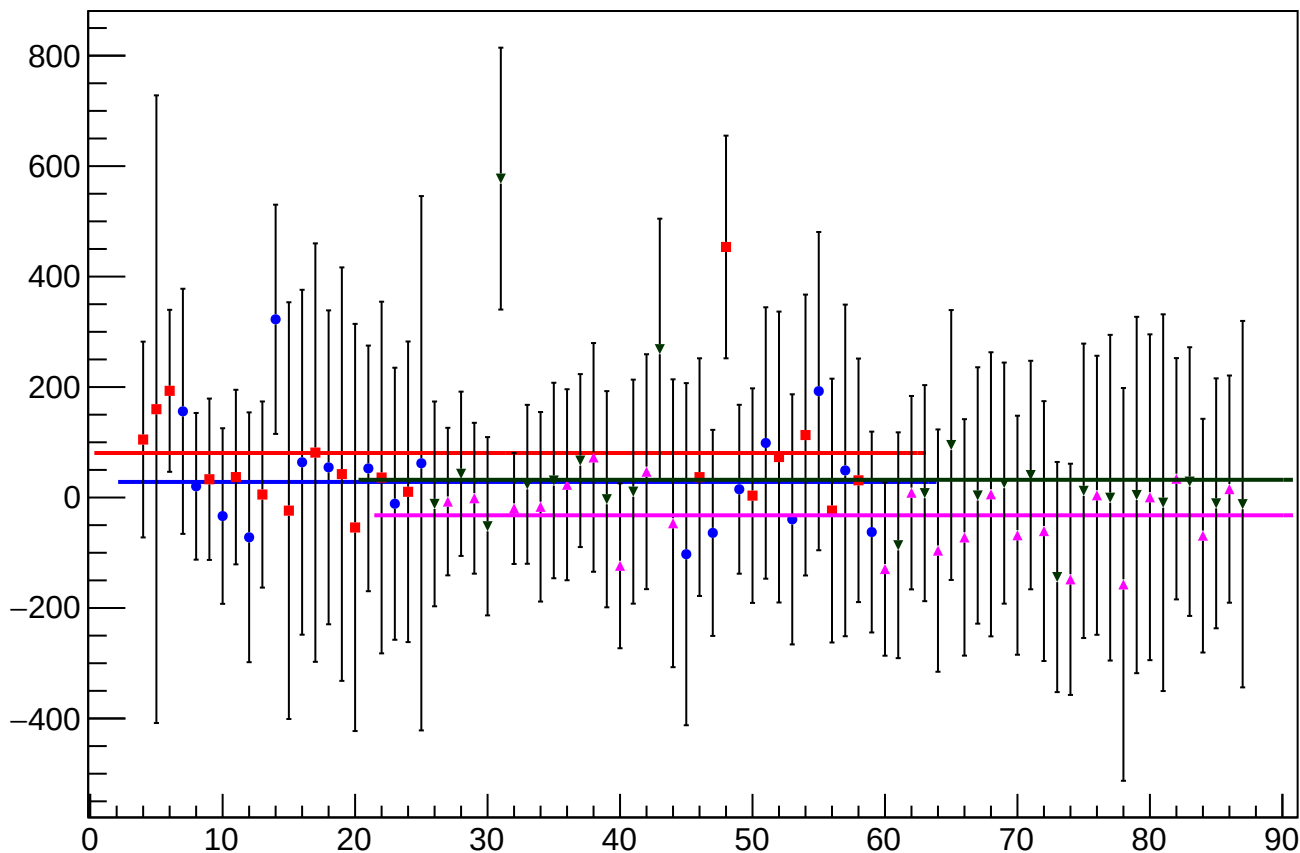
Right Out: 29.288 $\pm$ 0.007 χ^2 /NDF: 355757.4/18

Left In: 25.418 $\pm$ 0.005 χ^2 /NDF: 369977.9/22

26.831 $\pm$ 0.004 χ^2 /NDF: 947412.7/41

26.832 $\pm$ 0.004 χ^2 /NDF: 940577.1/41

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs slug



Right In: 28.225+/-50.353 χ^2/NDF : 3.9/17

Left Out: 32.096+/-42.183 χ^2/NDF : 8.0/23

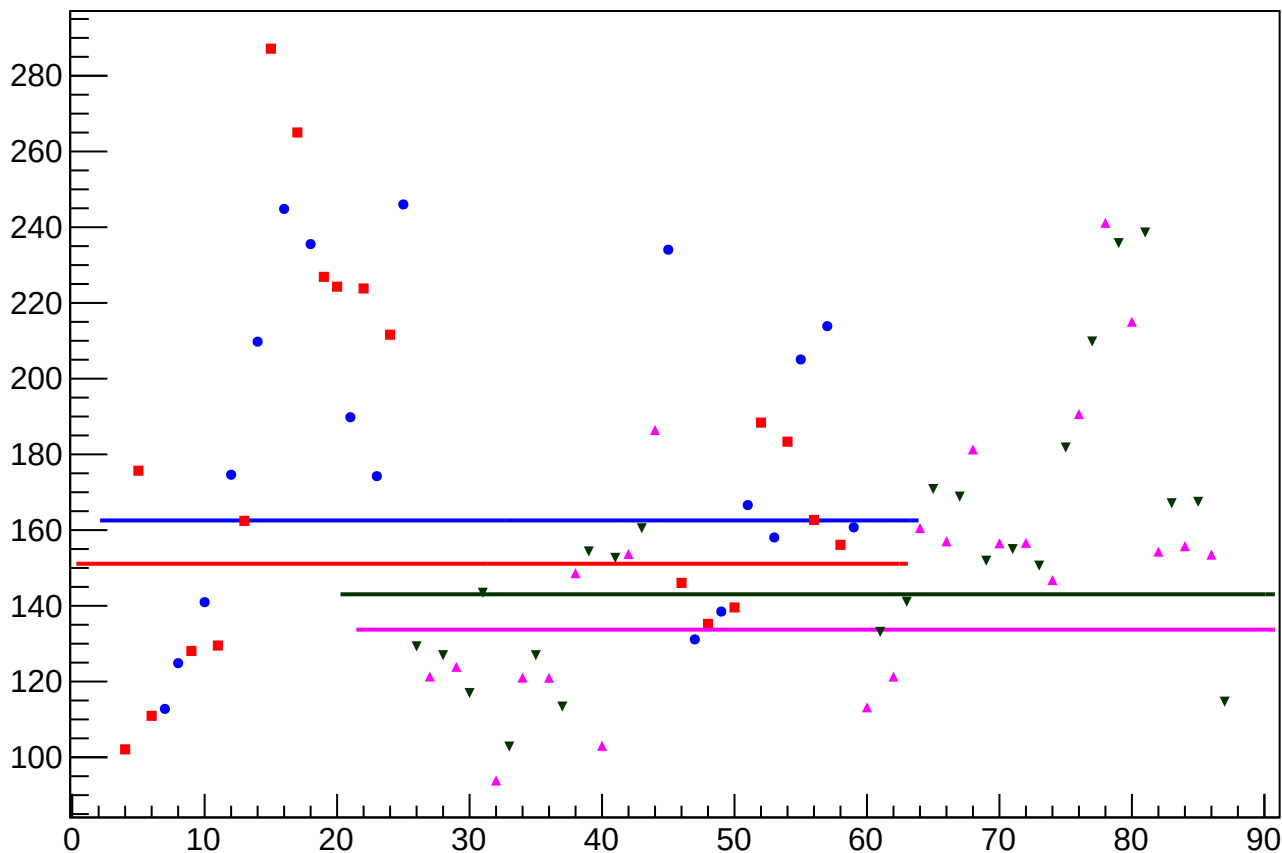
Right Out: 80.614+/-50.242 χ^2/NDF : 5.2/18

Left In: -32.177+/-38.457 χ^2/NDF : 2.2/22

30.500+/-32.336 χ^2/NDF : 11.9/41

9.492+/-30.538 χ^2/NDF : 10.6/41

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs slug



Right In: 162.548 $\pm$ 0.036 χ^2 /NDF: 1089314.8/17

Left Out: 143.049 $\pm$ 0.030 χ^2 /NDF: 946076.3/23

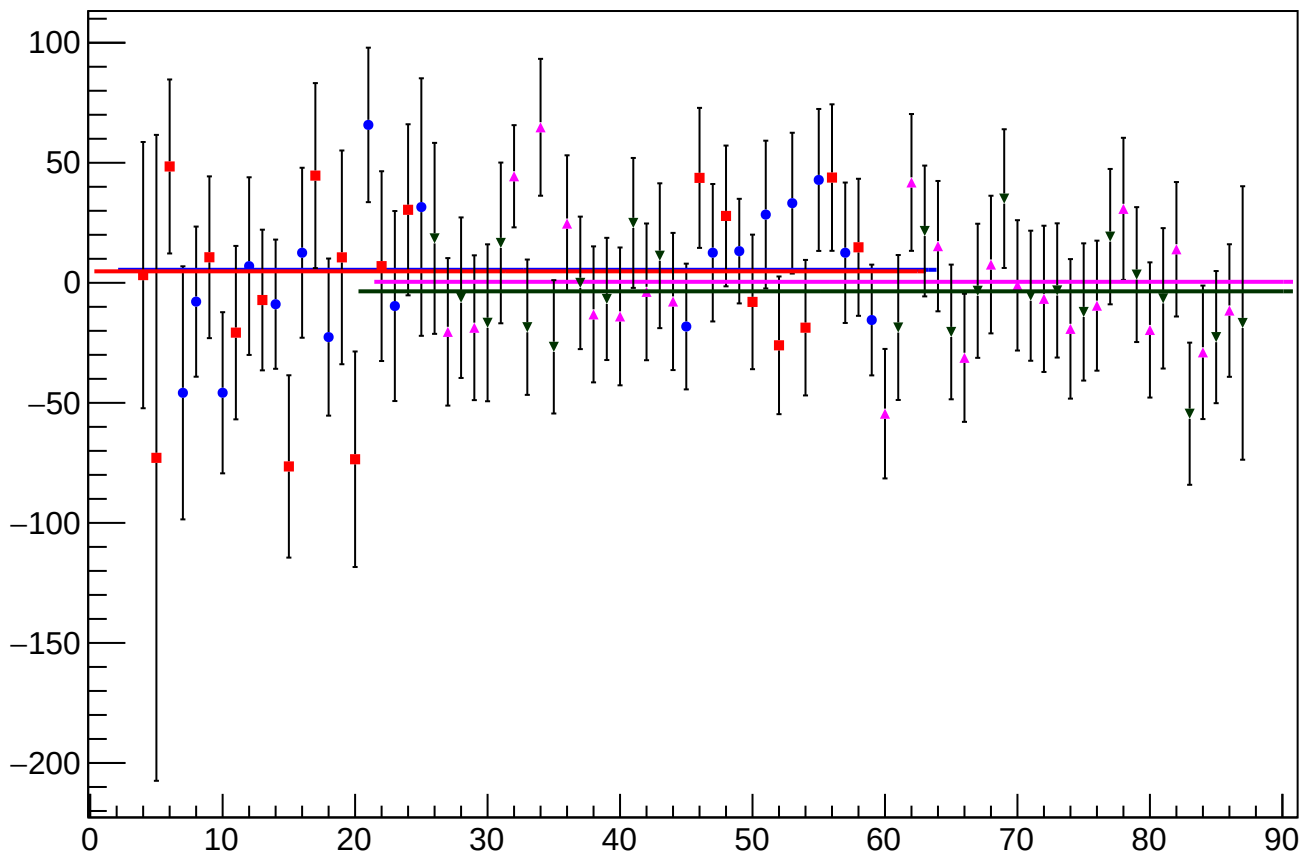
Right Out: 151.117 $\pm$ 0.036 χ^2 /NDF: 1306443.7/18

Left In: 133.710 $\pm$ 0.027 χ^2 /NDF: 1267437.9/22

151.091 $\pm$ 0.023 χ^2 /NDF: 2211622.3/41

140.141 $\pm$ 0.022 χ^2 /NDF: 2725271.2/41

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs slug



Right In: 5.427 ± 7.205 χ^2/NDF : 13.4/17

Left Out: -3.545 ± 6.002 χ^2/NDF : 10.8/23

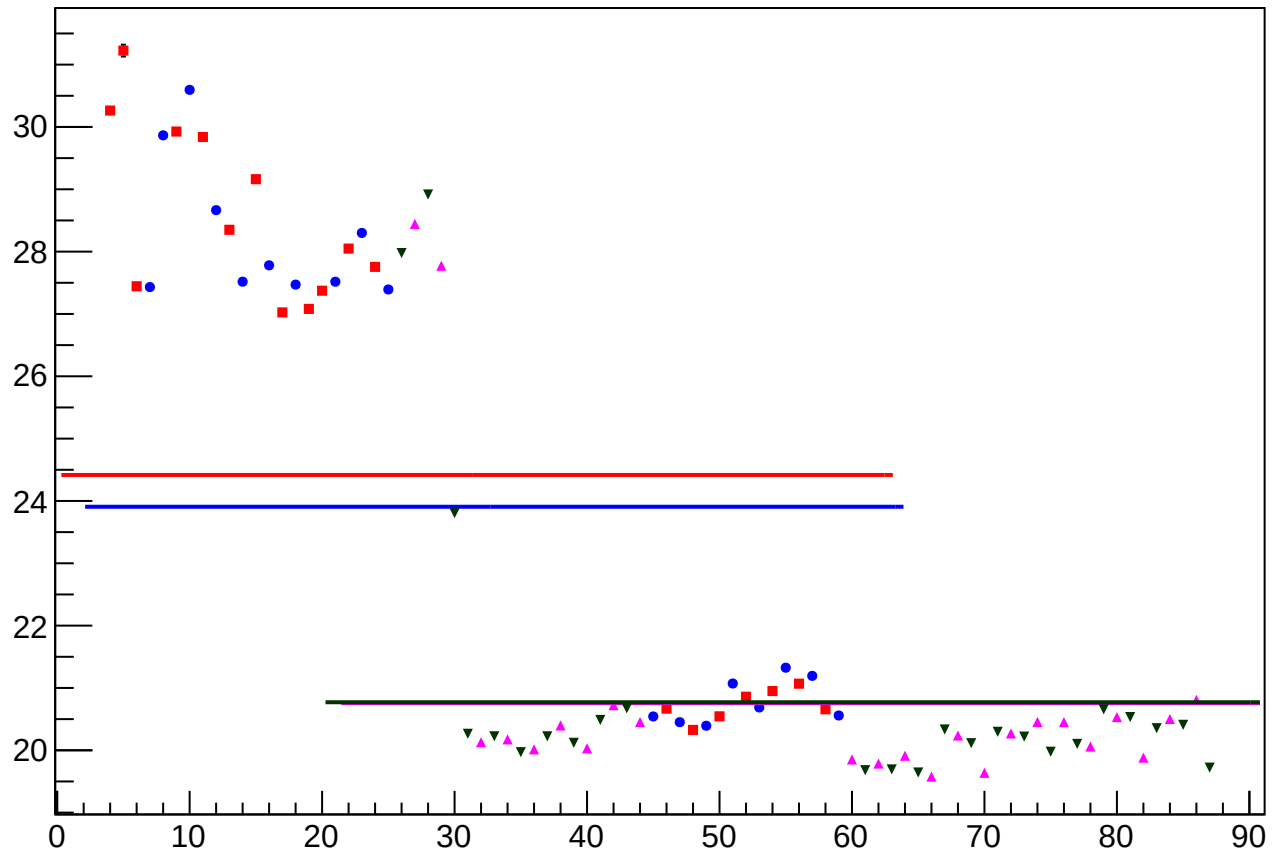
Right Out: 4.784 ± 7.872 χ^2/NDF : 17.9/18

Left In: 0.420 ± 5.812 χ^2/NDF : 23.3/22

0.131 ± 4.612 χ^2/NDF : 25.0/41

1.960 ± 4.676 χ^2/NDF : 41.4/41

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs slug



Right In: 23.907 $\pm$ 0.005 χ^2 /NDF: 565903.0/17

Left Out: 20.771 $\pm$ 0.004 χ^2 /NDF: 222916.7/23

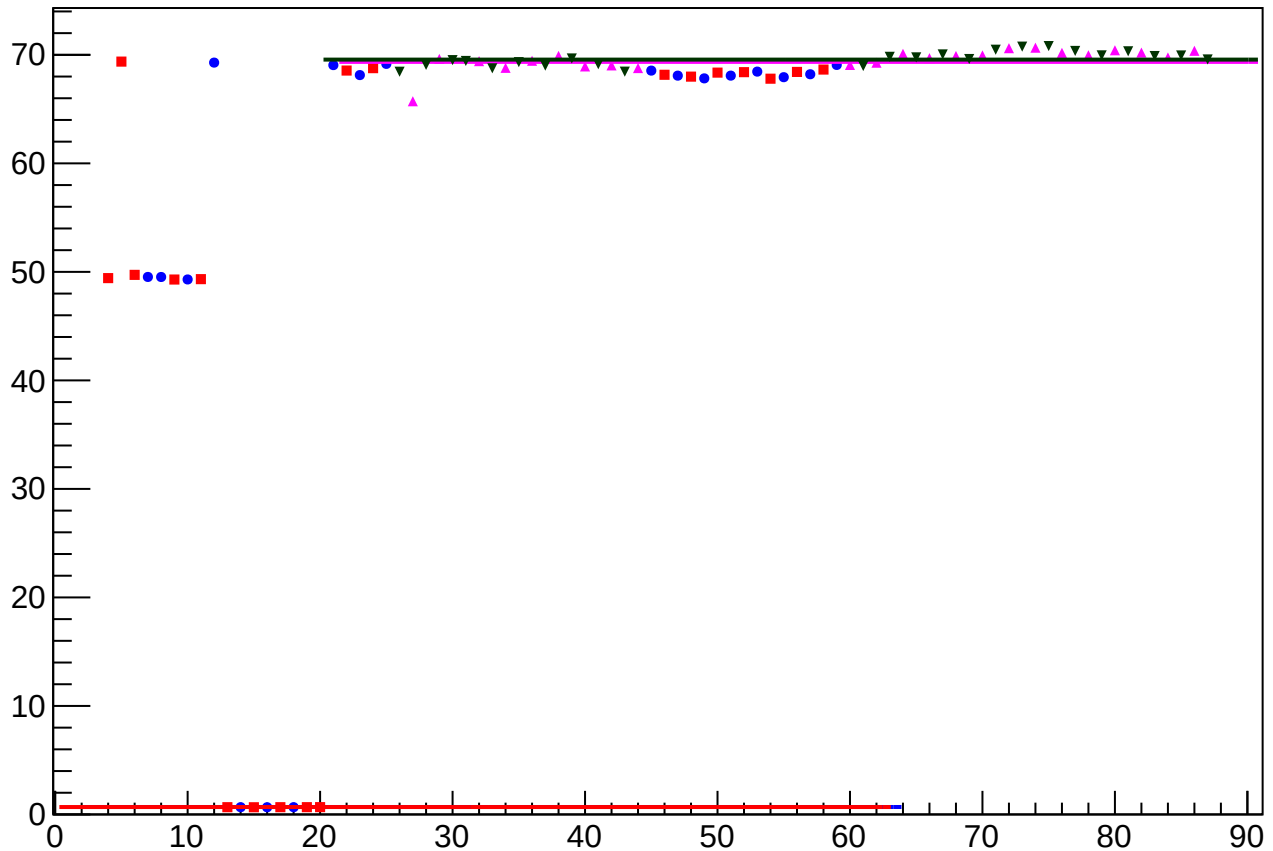
Right Out: 24.417 $\pm$ 0.006 χ^2 /NDF: 496476.9/18

Left In: 20.756 $\pm$ 0.004 χ^2 /NDF: 258075.8/22

22.055 $\pm$ 0.003 χ^2 /NDF: 1012535.5/41

22.047 $\pm$ 0.003 χ^2 /NDF: 1034544.0/41

yield_bcm_an_ds_mean vs slug



Right In: 0.688+/-0.000 χ^2/NDF : 1036988220984.6/17

Left Out: 69.561+/-0.000 χ^2/NDF : 129851724.2/23

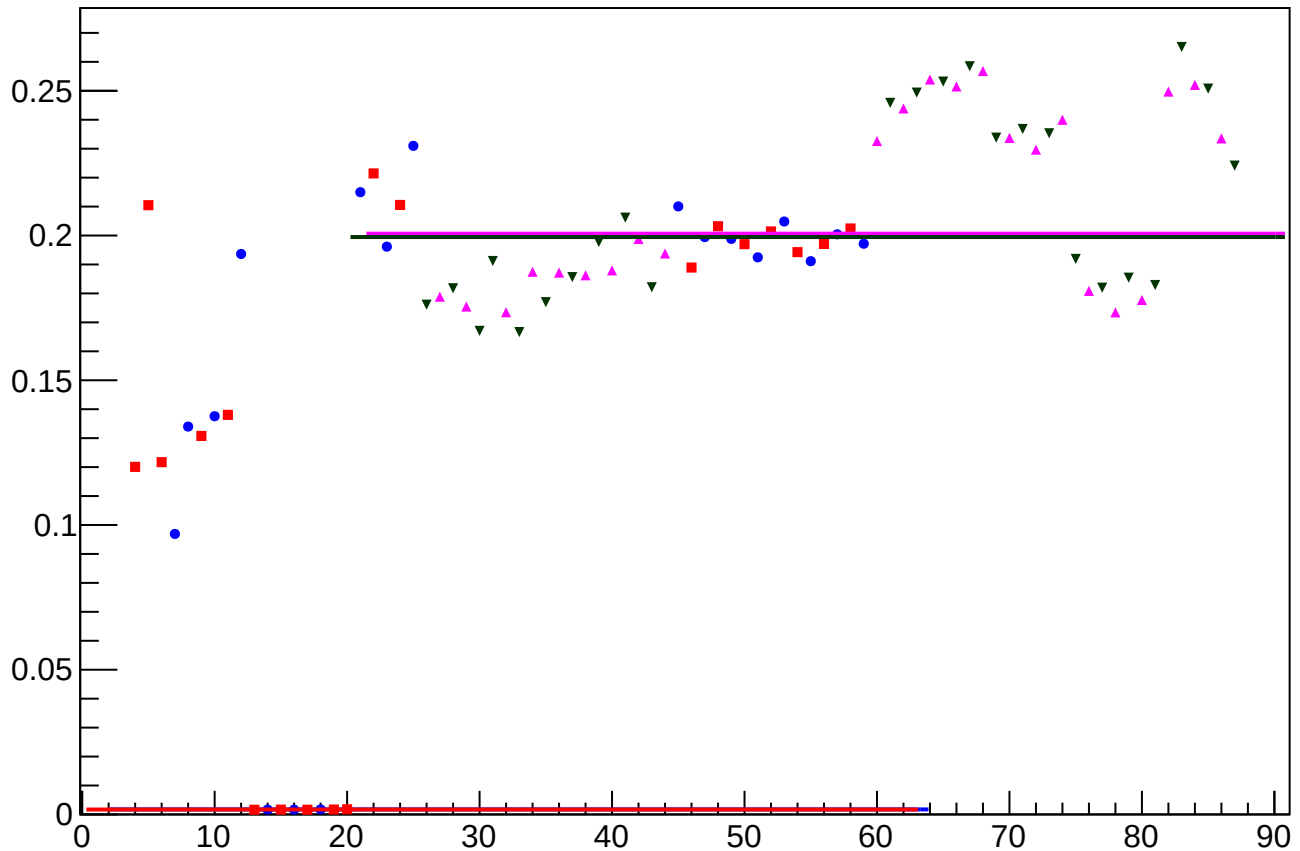
0.712+/-0.000 χ^2/NDF : 2412604253305.8/41

Right Out: 0.684+/-0.000 χ^2/NDF : 845851789818.6/18

0.705+/-0.000 χ^2/NDF : 2286044065361.9/41

Left In: 69.350+/-0.000 χ^2/NDF : 449093282.7/22

yield_bcm_an_ds_rms vs slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 16897571.8/17

Left Out: 0.199 $\pm$ 0.000 χ^2 /NDF: 510545.7/23

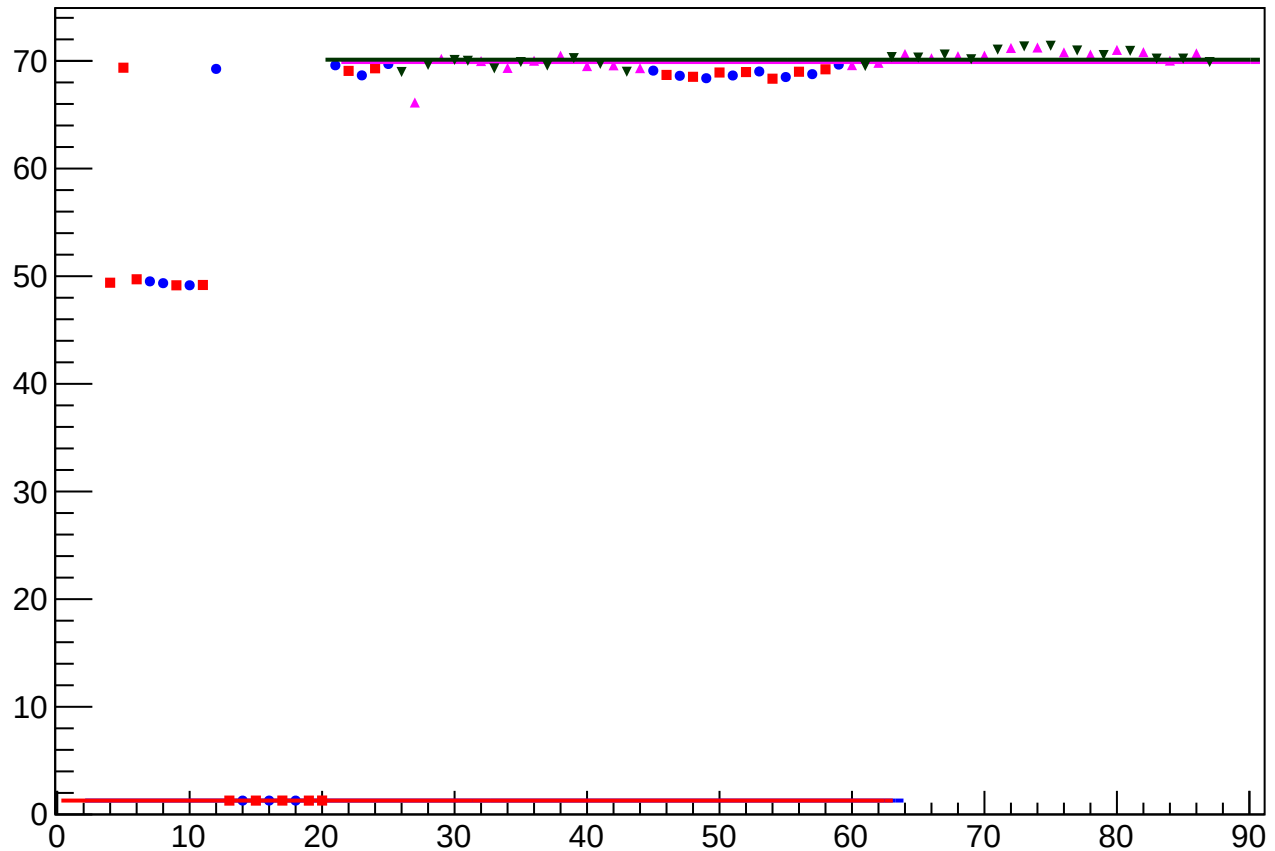
Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 13510450.3/18

Left In: 0.201 $\pm$ 0.000 χ^2 /NDF: 526671.5/22

0.002 $\pm$ 0.000 χ^2 /NDF: 40082425.1/41

0.002 $\pm$ 0.000 χ^2 /NDF: 38209160.5/41

yield_bcm_an_ds3_mean vs slug



Right In: 1.291+/-0.000 χ^2/NDF : 1010041068715.0/17

Left Out: 70.112+/-0.000 χ^2/NDF : 128503769.7/23

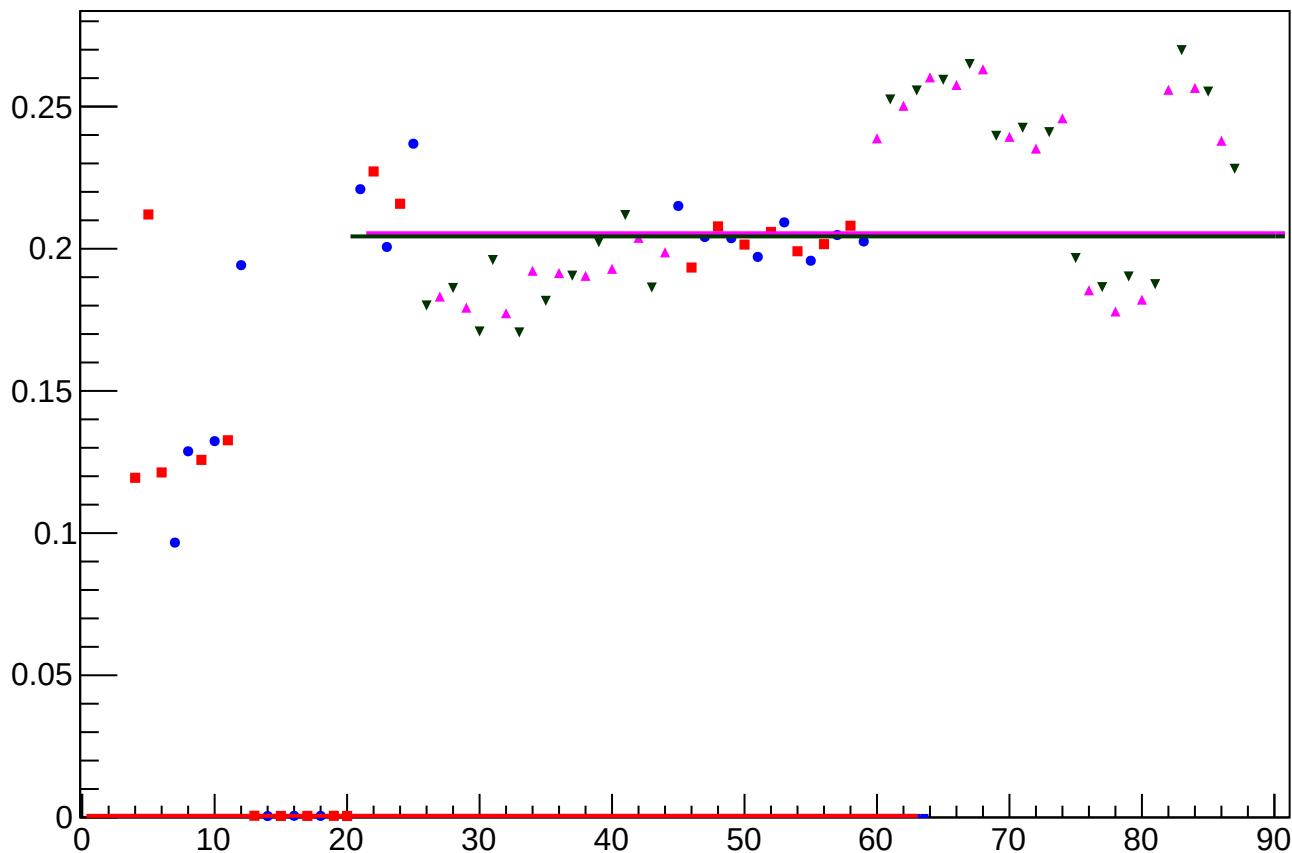
Right Out: 1.290+/-0.000 χ^2/NDF : 826763948171.6/18

Left In: 69.894+/-0.000 χ^2/NDF : 455273538.9/22

1.293+/-0.000 χ^2/NDF : 2319465800611.8/41

1.293+/-0.000 χ^2/NDF : 2198326979435.3/41

yield_bcm_an_ds3_rms vs slug



Right In: 0.001+/-0.000 χ^2/NDF : 17142253.8/17

Left Out: 0.204+/-0.000 χ^2/NDF : 507573.8/23

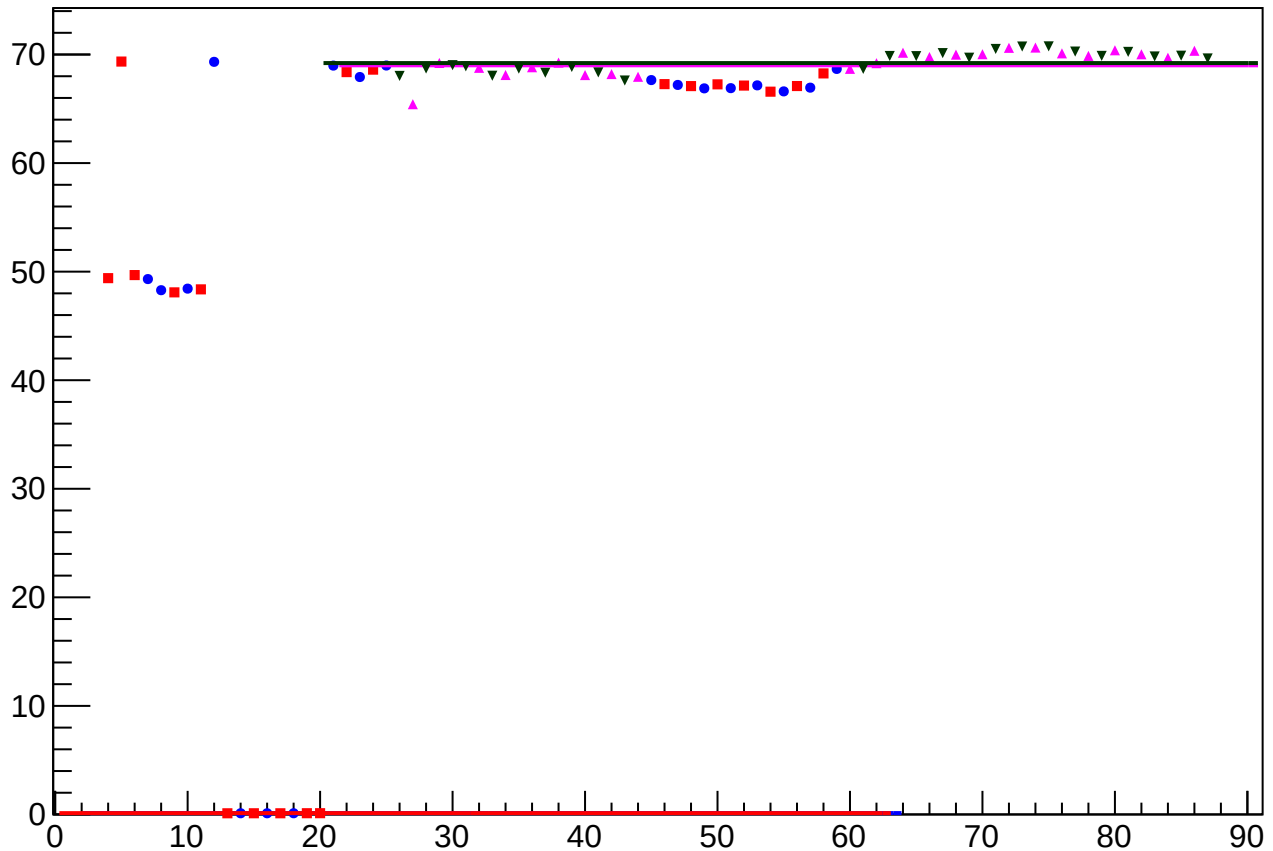
Right Out: 0.001+/-0.000 χ^2/NDF : 13695888.0/18

Left In: 0.205+/-0.000 χ^2/NDF : 526652.0/22

0.001+/-0.000 χ^2/NDF : 40615237.3/41

0.001+/-0.000 χ^2/NDF : 38679884.1/41

yield_bcm_an_us_mean vs slug



Right In: 0.126+/-0.000 χ^2/NDF : 1070197088852.4/17

Left Out: 69.212+/-0.000 χ^2/NDF : 249563327.1/23

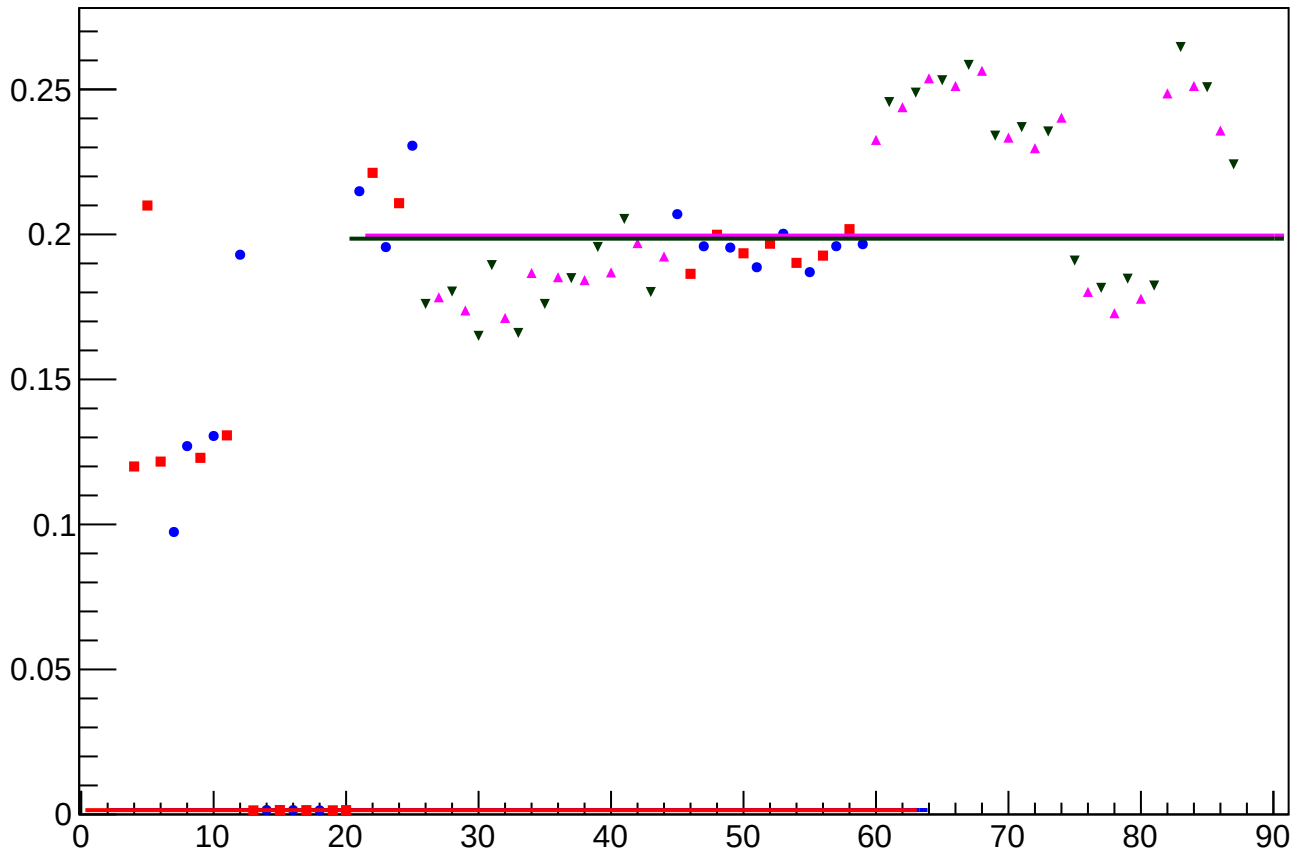
0.145+/-0.000 χ^2/NDF : 2465558539526.0/41

Right Out: 0.122+/-0.000 χ^2/NDF : 876428994690.6/18

0.138+/-0.000 χ^2/NDF : 2339780729779.4/41

Left In: 69.006+/-0.000 χ^2/NDF : 552685330.2/22

yield_bcm_an_us_rms vs slug



Right In: 0.002+/-0.000 χ^2/NDF : 16922209.8/17

Left Out: 0.199+/-0.000 χ^2/NDF : 526749.9/23

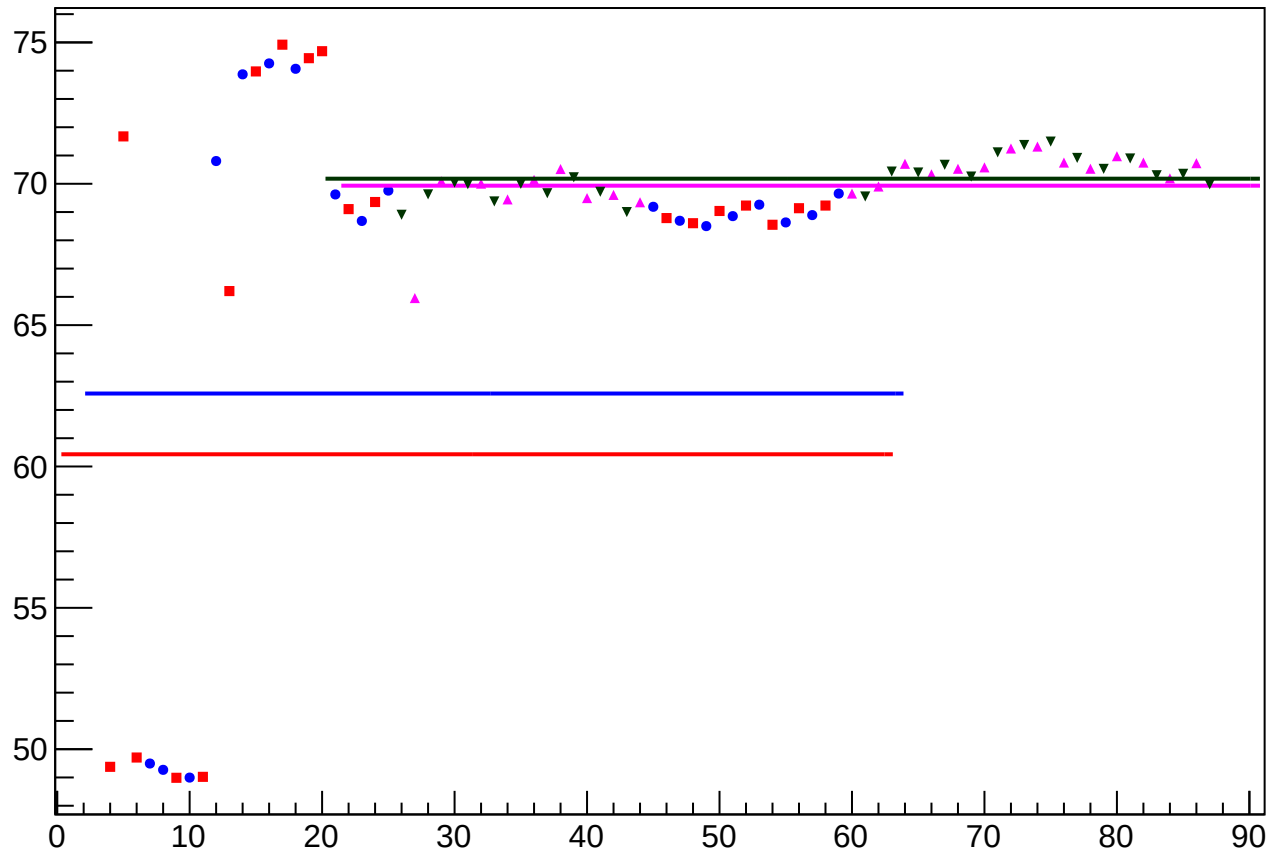
0.002+/-0.000 χ^2/NDF : 40137850.1/41

Right Out: 0.001+/-0.000 χ^2/NDF : 13535654.6/18

0.002+/-0.000 χ^2/NDF : 38284215.7/41

Left In: 0.200+/-0.000 χ^2/NDF : 548538.6/22

yield_bcm_dg_us_mean vs slug



Right In: 62.581 ± 0.000 χ^2/NDF : 33681231971.4/17

Left Out: 70.180 ± 0.000 χ^2/NDF : 128335662.2/23

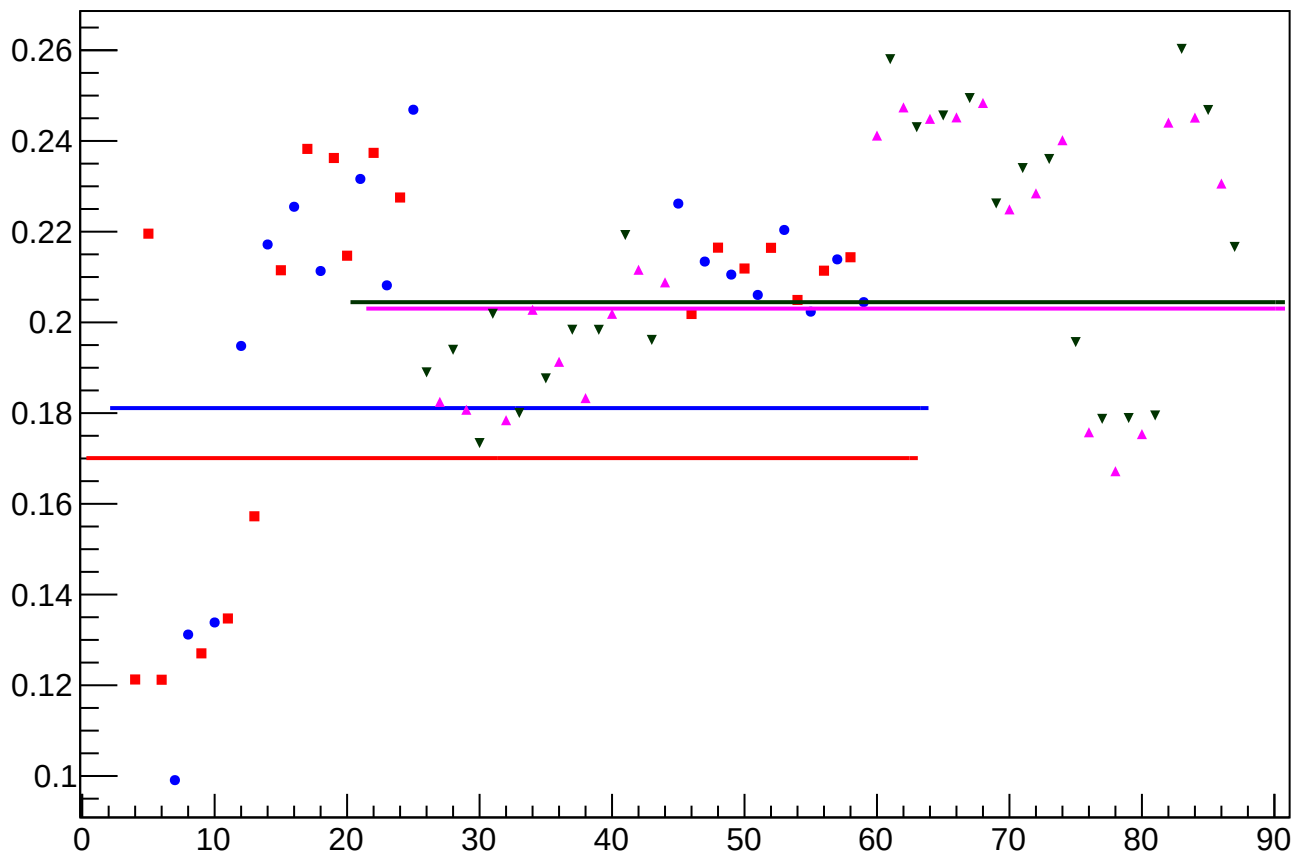
66.148 ± 0.000 χ^2/NDF : 42317605618.9/41

Right Out: 60.432 ± 0.000 χ^2/NDF : 32977972131.8/18

65.119 ± 0.000 χ^2/NDF : 47116668096.9/41

Left In: 69.933 ± 0.000 χ^2/NDF : 495994132.5/22

yield_bcm_dg_us_rms vs slug



Right In: 0.181+/-0.000 χ^2/NDF : 1216212.6/17

Left Out: 0.204+/-0.000 χ^2/NDF : 385550.4/23

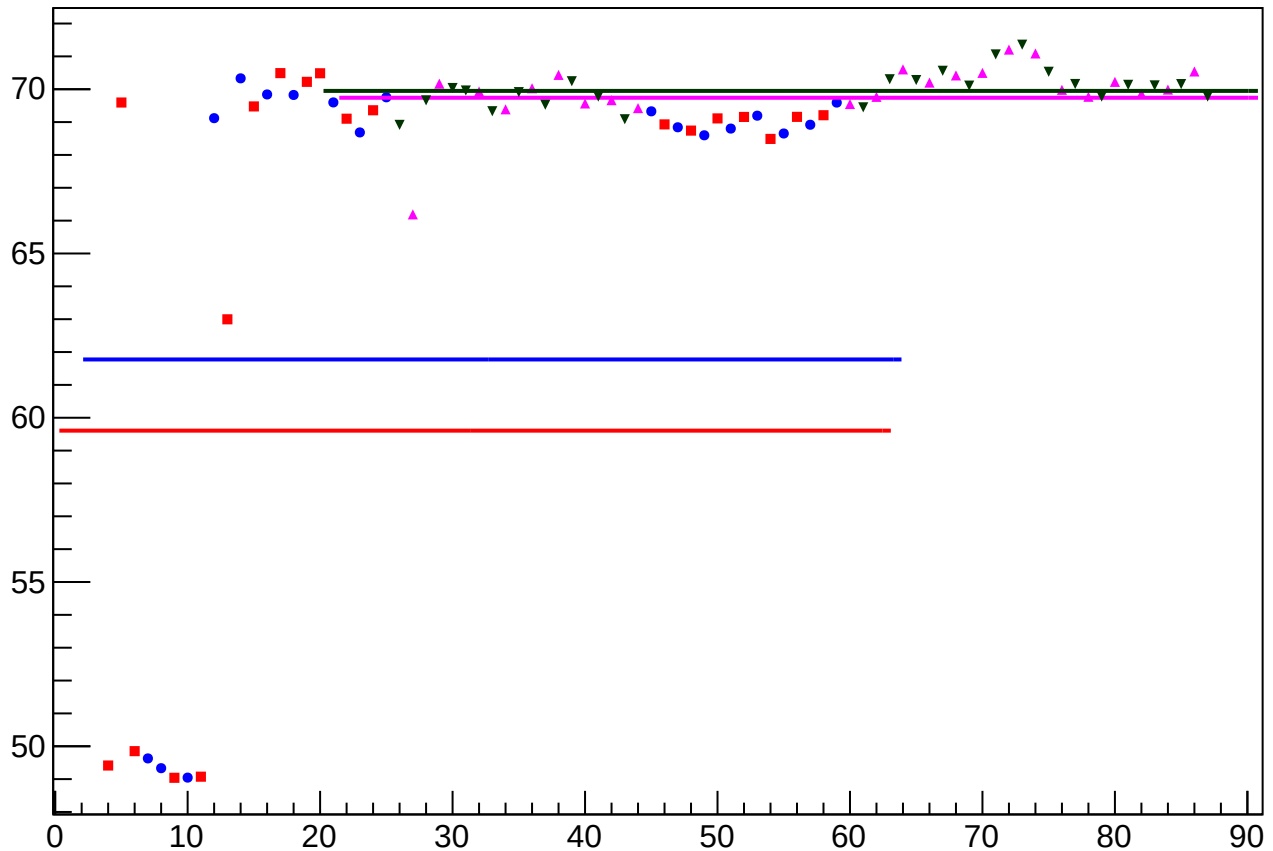
0.192+/-0.000 χ^2/NDF : 1762438.5/41

Right Out: 0.170+/-0.000 χ^2/NDF : 1183604.4/18

0.186+/-0.000 χ^2/NDF : 1972893.4/41

Left In: 0.203+/-0.000 χ^2/NDF : 460849.7/22

yield_bcm_dg_ds_mean vs slug



Right In: 61.774 $\pm$ 0.000 χ^2 /NDF: 30968593880.6/17

Left Out: 69.949 $\pm$ 0.000 χ^2 /NDF: 79076186.9/23

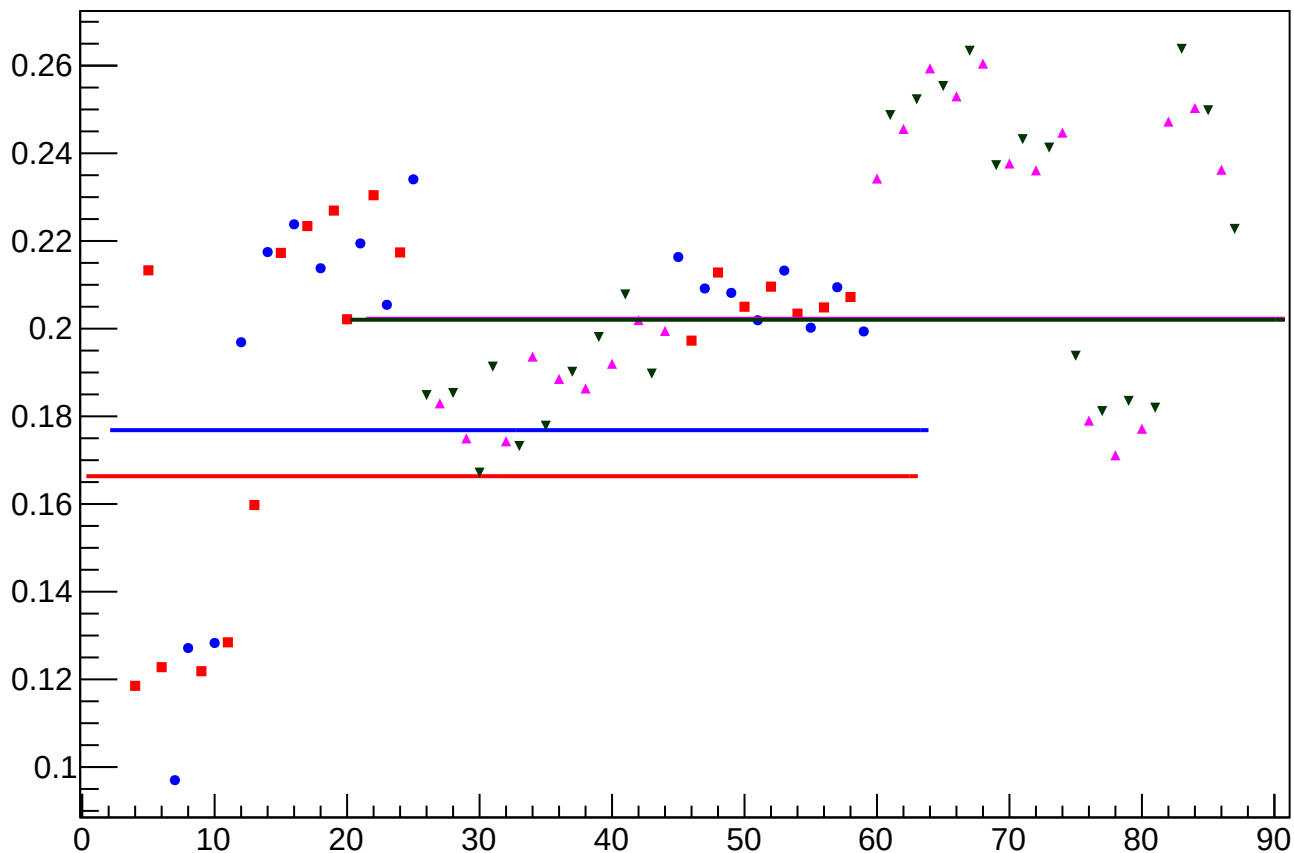
65.557 $\pm$ 0.000 χ^2 /NDF: 41209176115.0/41

Right Out: 59.608 $\pm$ 0.000 χ^2 /NDF: 29547406430.8/18

64.509 $\pm$ 0.000 χ^2 /NDF: 45849700712.7/41

Left In: 69.741 $\pm$ 0.000 χ^2 /NDF: 384330220.4/22

yield_bcm_dg_ds_rms vs slug



Right In: 0.177+/-0.000 χ^2/NDF : 1276663.3/17

Left Out: 0.202+/-0.000 χ^2/NDF : 501322.3/23

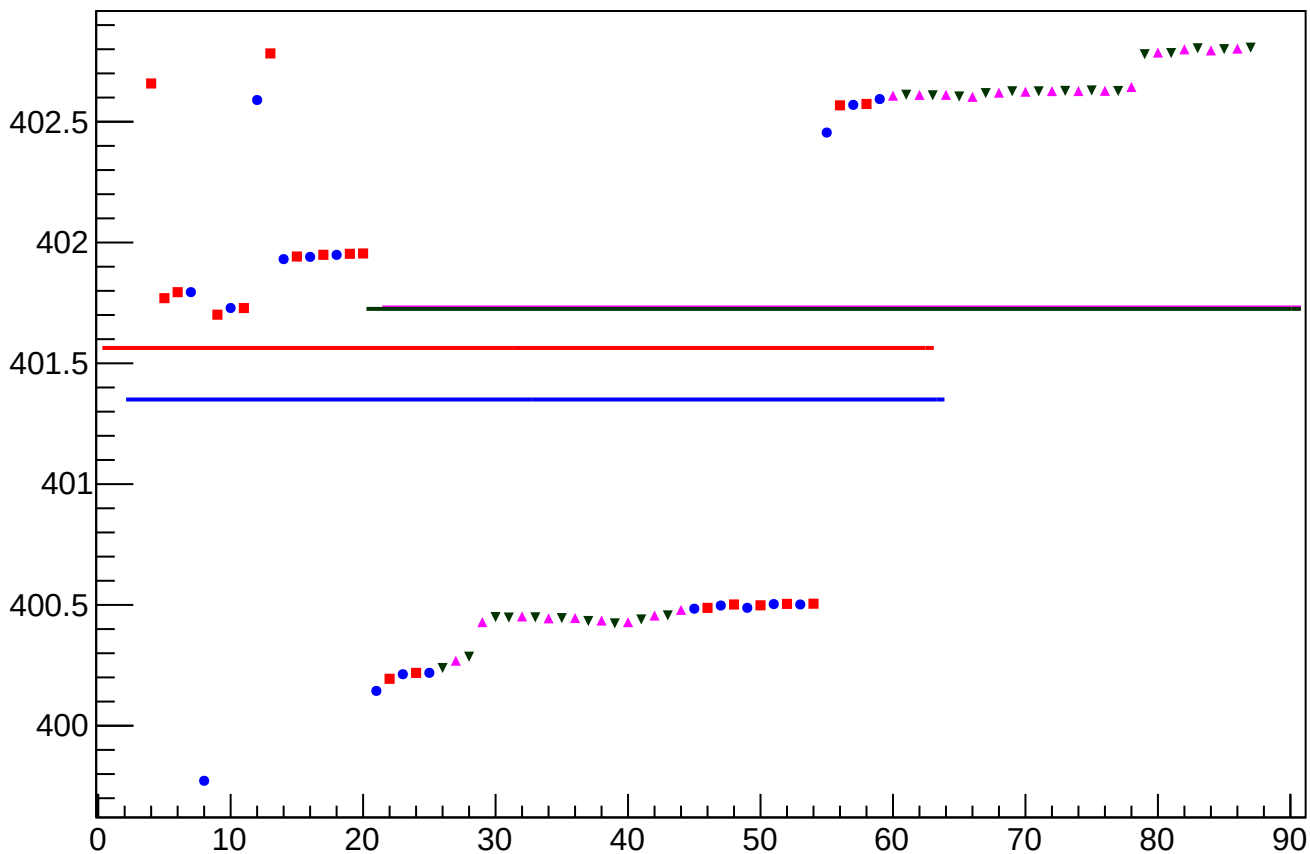
Right Out: 0.166+/-0.000 χ^2/NDF : 1156468.8/18

Left In: 0.202+/-0.000 χ^2/NDF : 547014.8/22

0.189+/-0.000 χ^2/NDF : 1970998.1/41

0.184+/-0.000 χ^2/NDF : 2103679.1/41

yield_cav4bQ_mean vs slug



Right In: 401.350+/-0.000 χ^2/NDF : 235093599906.3/17

Left Out: 401.725+/-0.000 χ^2/NDF : 349670012908.4/23

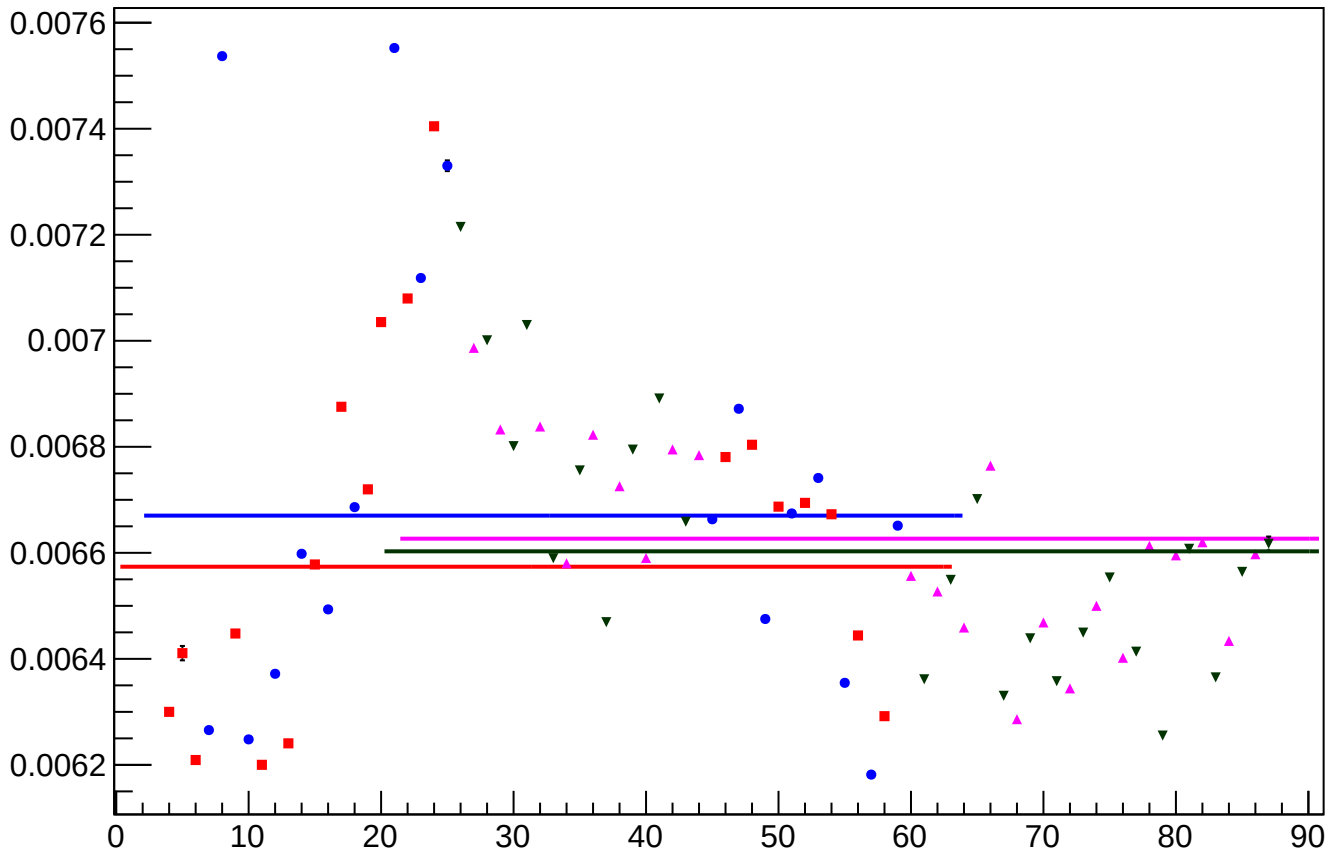
Right Out: 401.564+/-0.000 χ^2/NDF : 183973928948.5/18

Left In: 401.731+/-0.000 χ^2/NDF : 362678376384.2/22

401.547+/-0.000 χ^2/NDF : 603324365395.1/41

401.658+/-0.000 χ^2/NDF : 550278383149.0/41

yield_cav4bQ_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 76682.3/17

Left Out: 0.007+/-0.000 χ^2/NDF :31617.1/23

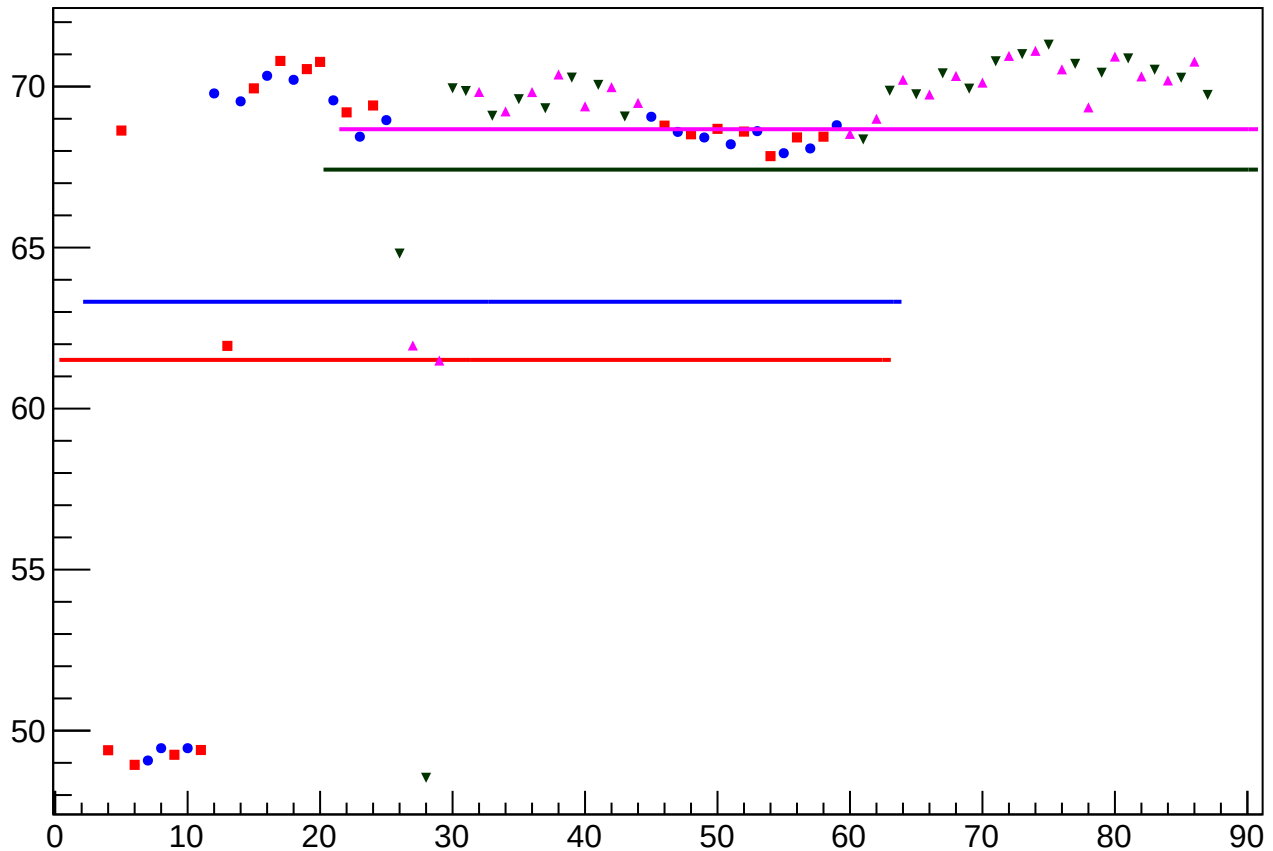
Right Out: 0.007+/-0.000 χ^2/NDF : 47681.9/18

Left In: 0.007+/-0.000 χ^2/NDF :19767.2/22

0.007+/-0.000 χ^2/NDF : 109496.7/41

0.007+/-0.000 χ^2/NDF : 68171.2/41

yield_cav4cQ_mean vs slug



Right In: 63.318+/-0.000 χ^2/NDF : 17047377048.9/17

Left Out: 67.421+/-0.000 χ^2/NDF : 10774670432.8/23

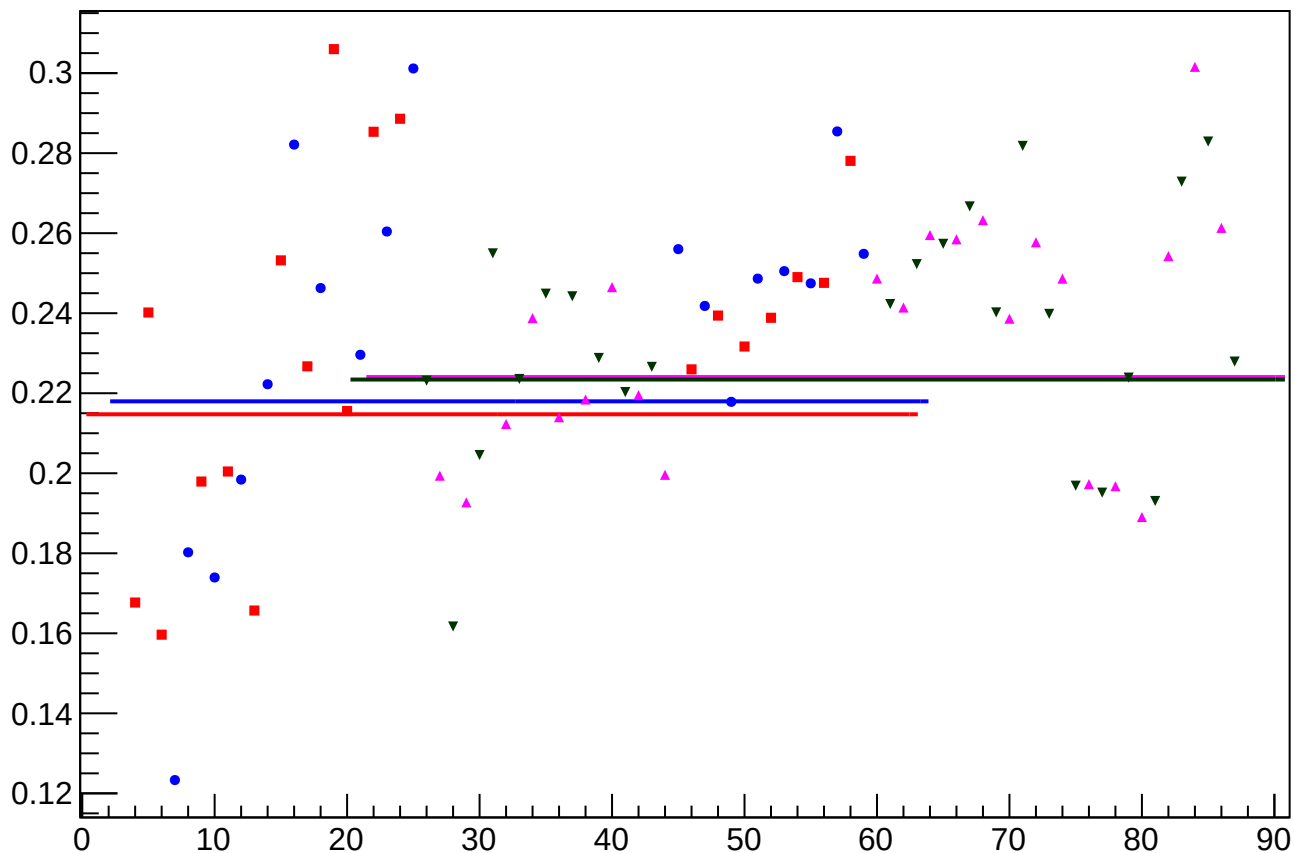
65.427+/-0.000 χ^2/NDF : 29652468533.7/41

Right Out: 61.513+/-0.000 χ^2/NDF : 15349624825.1/18

65.526+/-0.000 χ^2/NDF : 22997347665.4/41

Left In: 68.675+/-0.000 χ^2/NDF : 2293104337.0/22

yield_cav4cQ_rms vs slug



Right In: 0.218 ± 0.000 χ^2/NDF : 734629.1/17

Left Out: 0.223 ± 0.000 χ^2/NDF : 488921.8/23

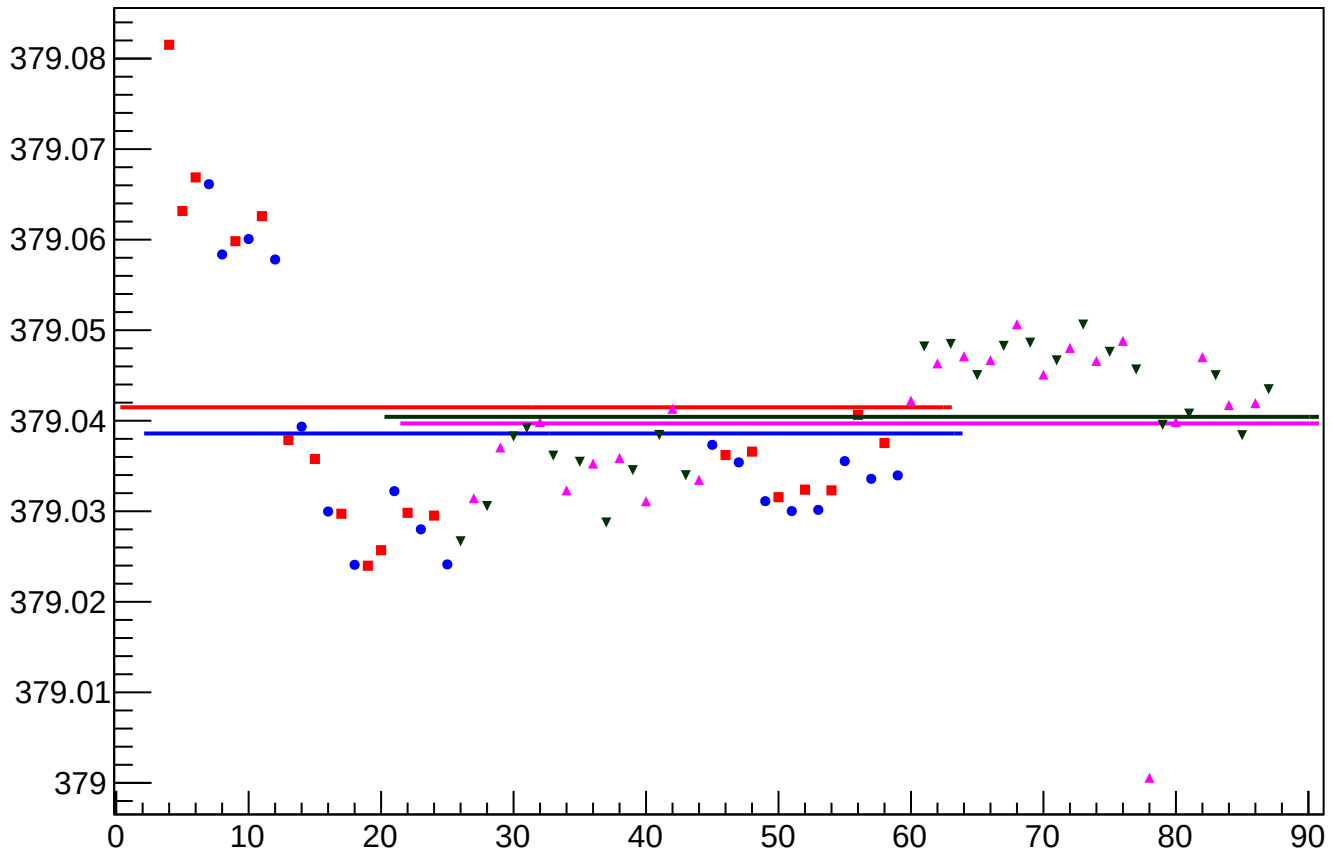
Right Out: 0.215 ± 0.000 χ^2/NDF : 631176.3/18

Left In: 0.224 ± 0.000 χ^2/NDF : 374819.0/22

0.221 ± 0.000 χ^2/NDF : 1230001.3/41

0.220 ± 0.000 χ^2/NDF : 1024088.8/41

yield_cav4dQ_mean vs slug



Right In: 379.039 $\pm$ 0.000 χ^2 /NDF: 33775812.8/17

Left Out: 379.040 $\pm$ 0.000 χ^2 /NDF:12179634.9/23

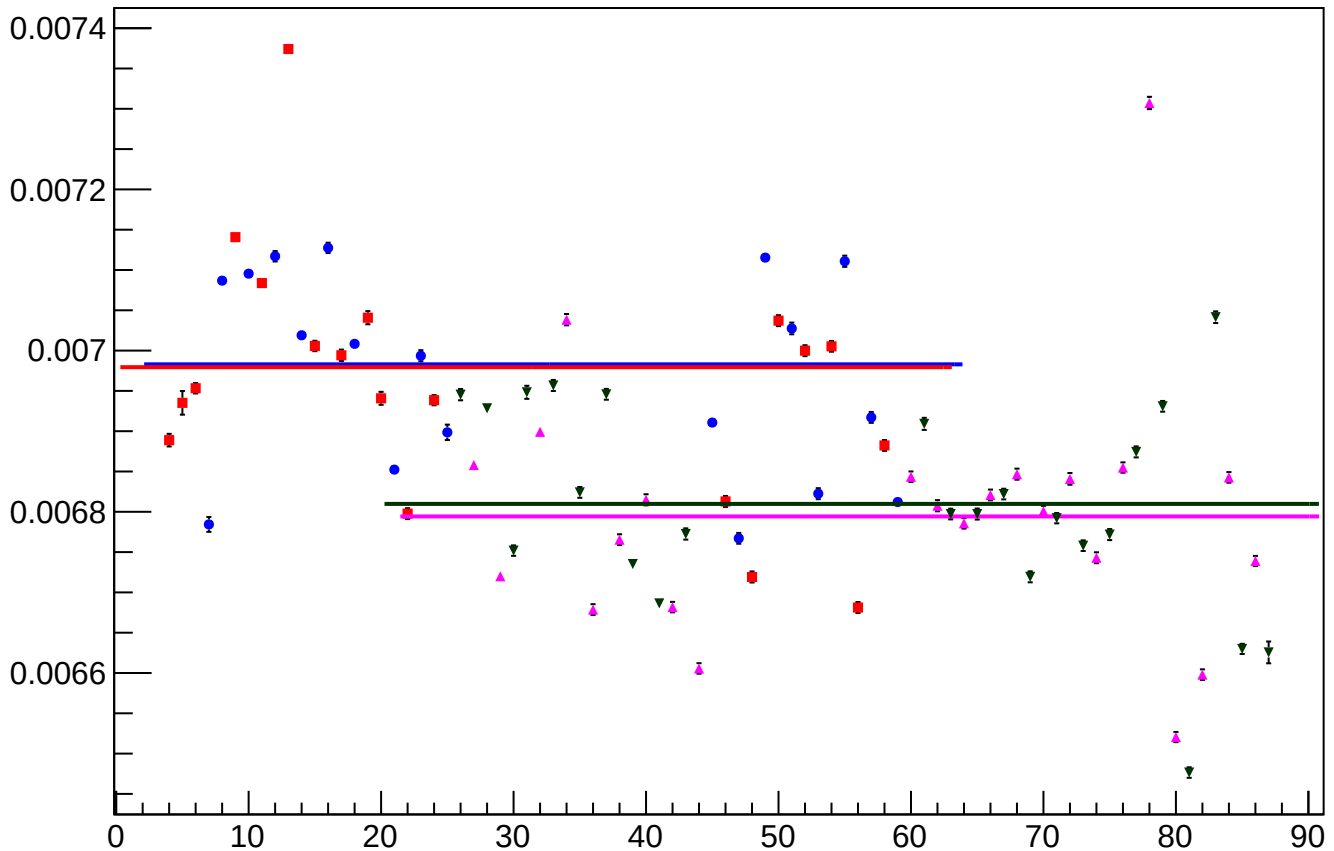
Right Out: 379.041 $\pm$ 0.000 χ^2 /NDF: 46280794.1/18

Left In: 379.040 $\pm$ 0.000 χ^2 /NDF:22962335.8/22

379.040 $\pm$ 0.000 χ^2 /NDF: 46369506.1/41

379.040 $\pm$ 0.000 χ^2 /NDF: 69617599.9/41

yield_cav4dQ_rms vs slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 6696.3/17

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:8148.6/23

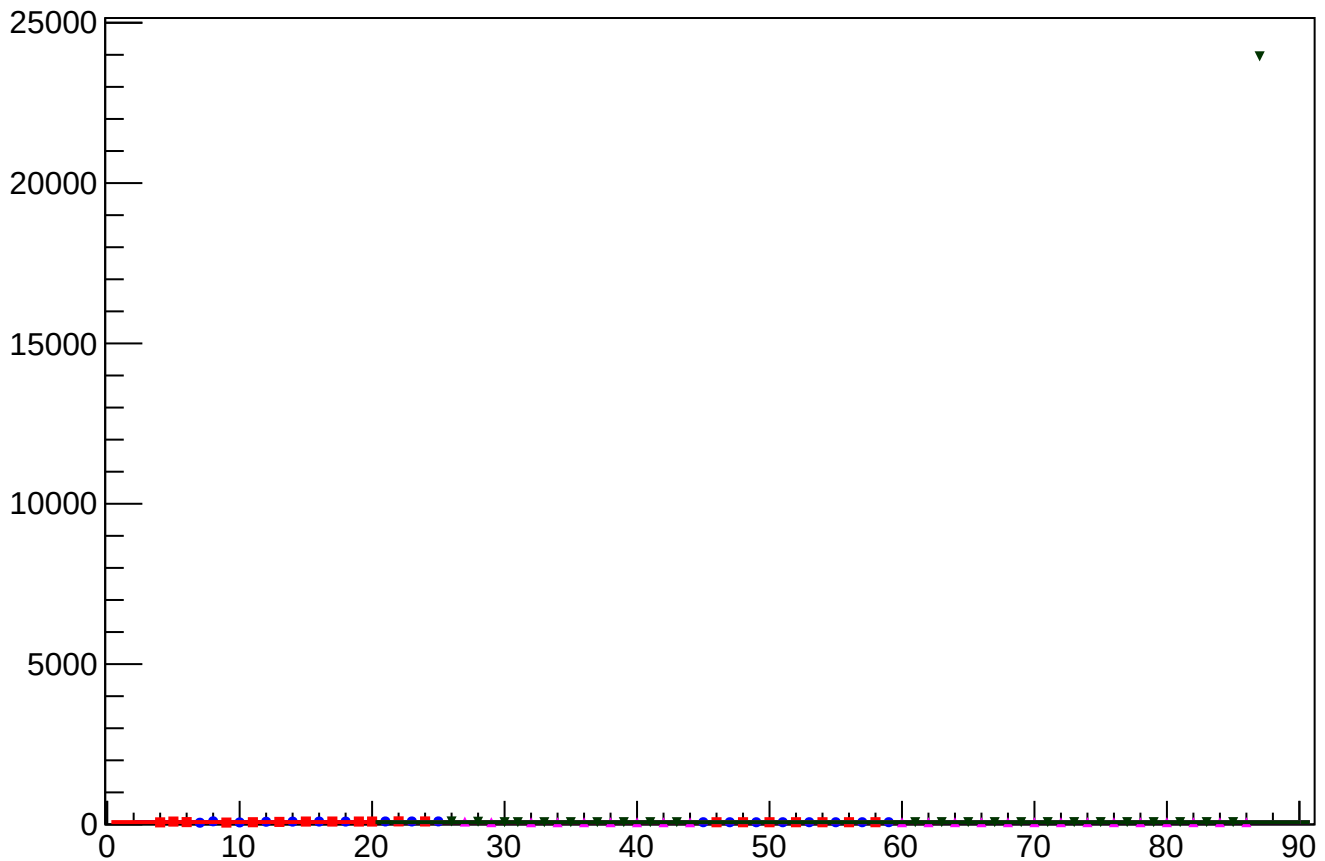
0.007 $\pm$ 0.000 χ^2 /NDF: 22205.1/41

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 11747.2/18

0.007 $\pm$ 0.000 χ^2 /NDF: 31038.4/41

Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:11176.0/22

yield_bcm0l02_mean vs slug



Right In: 76.061+/-0.000 χ^2 /NDF: 20787602024.2/17

Left Out: 72.452+/-0.000 χ^2 /NDF: 6833475319.1/23

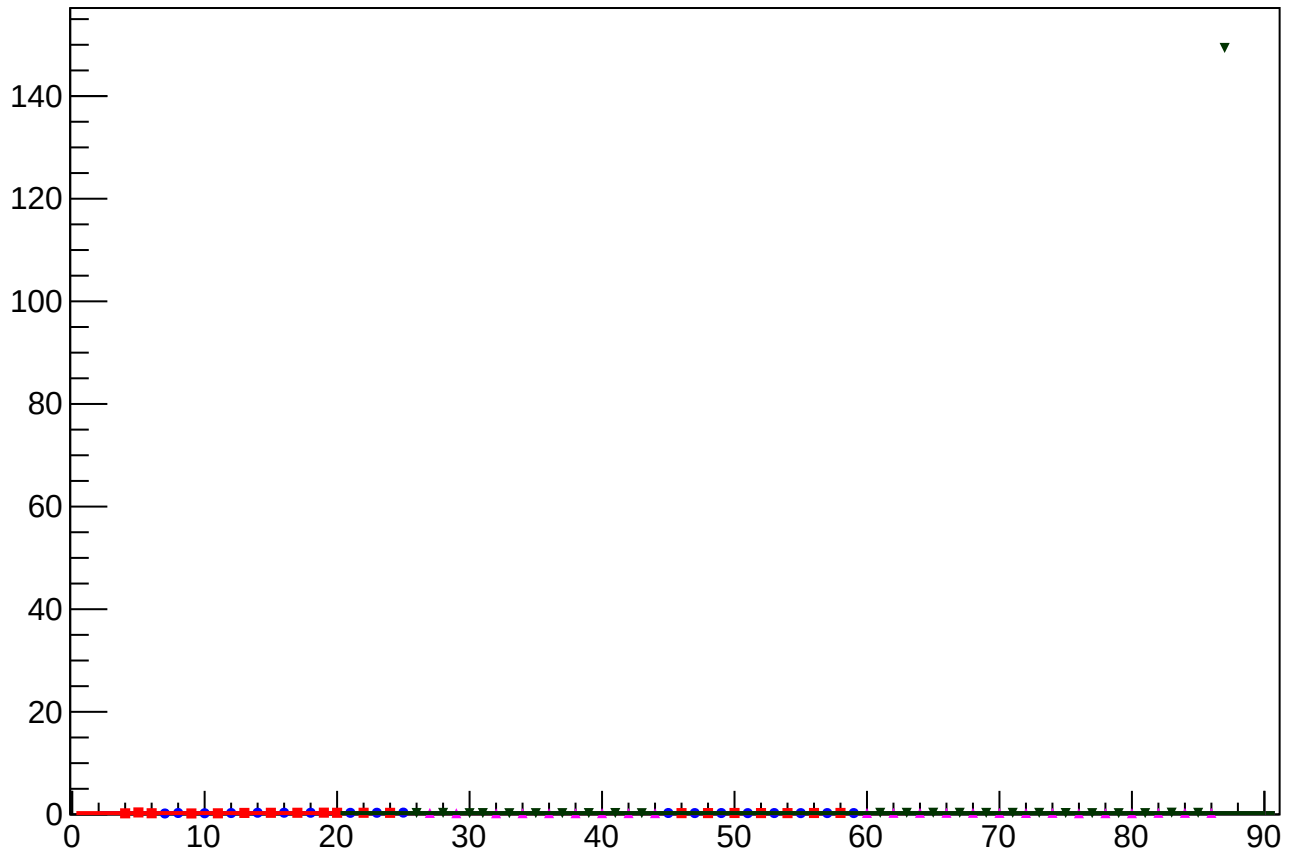
Right Out: 73.439+/-0.000 χ^2 /NDF: 14741427319.0/18

Left In: 72.073+/-0.000 χ^2 /NDF: 2993459233.8/22

74.168+/-0.000 χ^2 /NDF: 28526830716.8/41

72.677+/-0.000 χ^2 /NDF: 17864635134.4/41

yield_bcm0l02_rms vs slug



Right In: 0.278+/-0.000 χ^2/NDF : 370245.0/17

Left Out: 0.276+/-0.000 χ^2/NDF : 511184.6/23

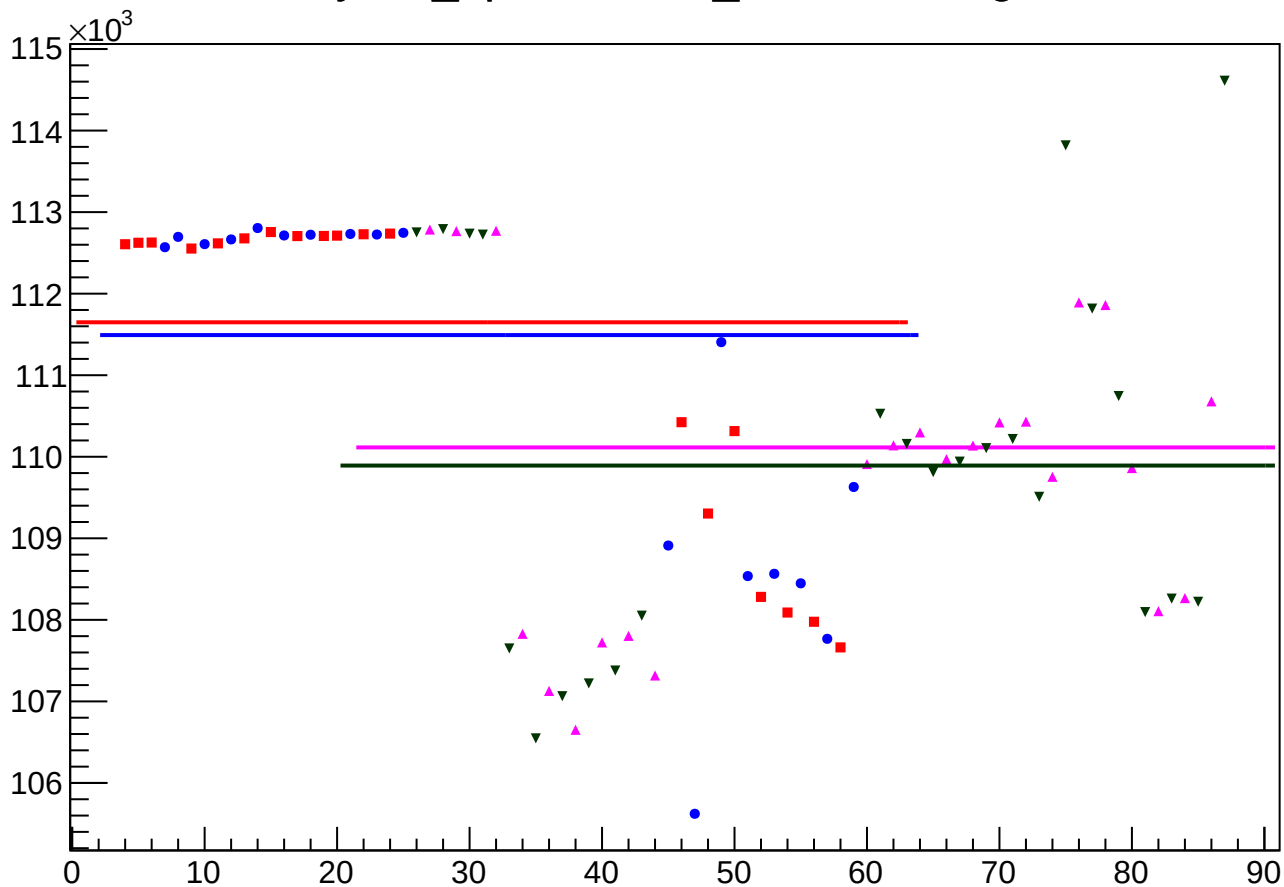
Right Out: 0.265+/-0.000 χ^2/NDF : 503582.7/18

Left In: 0.275+/-0.000 χ^2/NDF : 278212.1/22

0.277+/-0.000 χ^2/NDF : 881809.9/41

0.271+/-0.000 χ^2/NDF : 794834.5/41

yield_bpm2i01WS_mean vs slug



Right In: 111492.185 $\pm$ 0.035 χ^2 /NDF: 3171680490.6/17

Left Out: 109892.131 $\pm$ 0.038 χ^2 /NDF: 3460825280.1/23

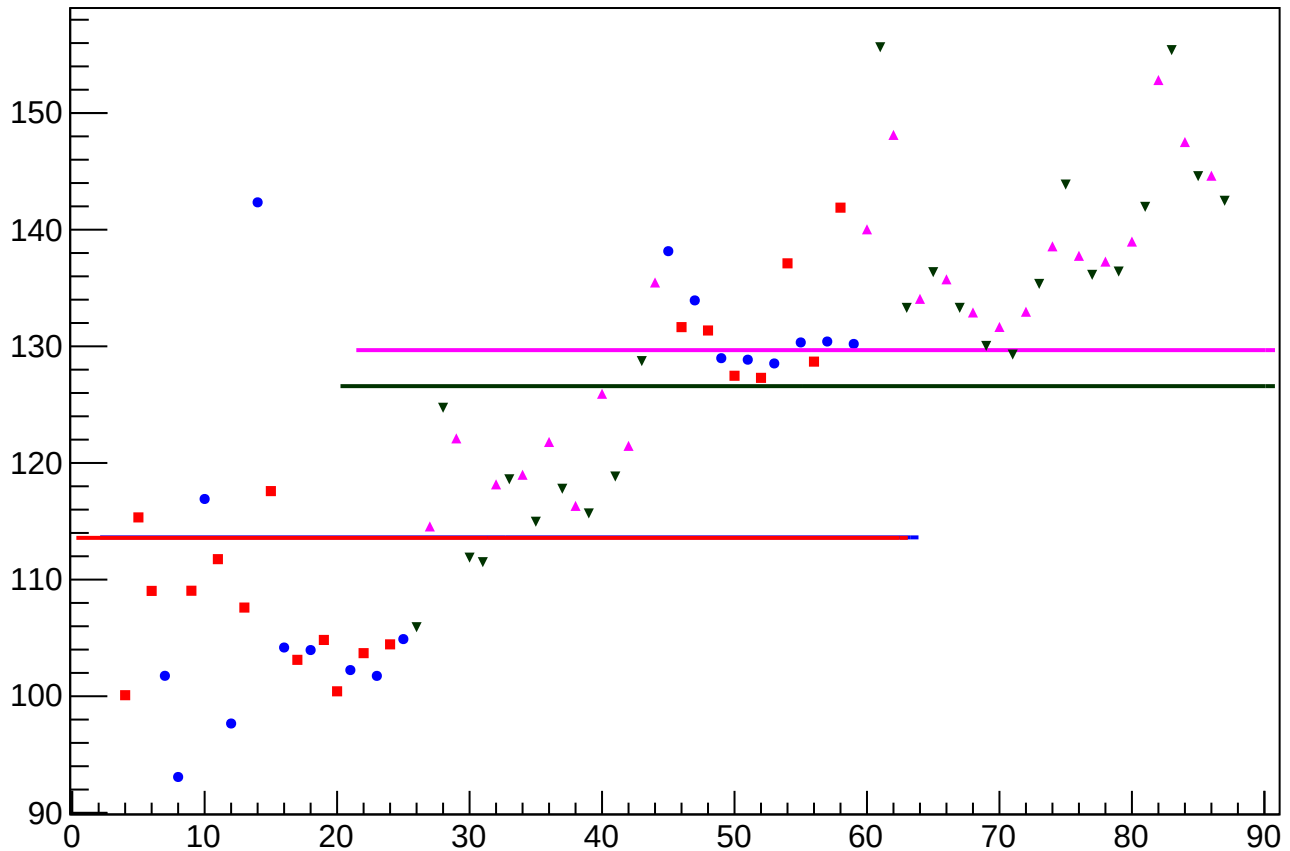
Right Out: 111648.935 $\pm$ 0.037 χ^2 /NDF: 2298631932.7/18

Left In: 110114.559 $\pm$ 0.038 χ^2 /NDF: 2942456033.0/22

110763.117 $\pm$ 0.026 χ^2 /NDF: 7587931699.3/41

110889.639 $\pm$ 0.026 χ^2 /NDF: 6081356375.1/41

yield_bpm2i01WS_rms vs slug



Right In: 113.620 $\pm$ 0.025 χ^2 /NDF: 422351.8/17

Left Out: 126.587 $\pm$ 0.027 χ^2 /NDF:218023.2/23

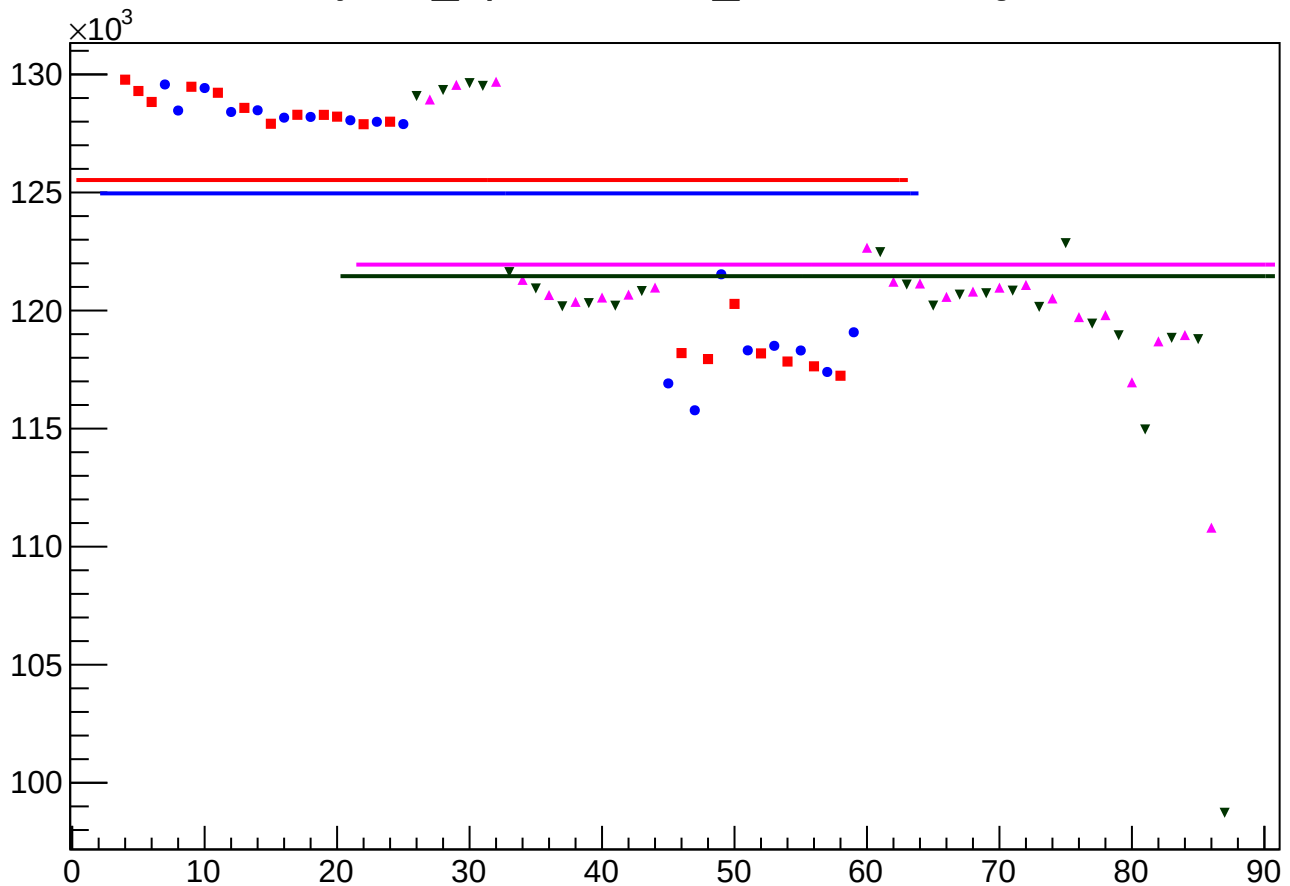
Right Out: 113.579 $\pm$ 0.026 χ^2 /NDF: 206805.2/18

Left In: 129.674 $\pm$ 0.027 χ^2 /NDF:163954.4/22

119.528 $\pm$ 0.018 χ^2 /NDF: 765872.6/41

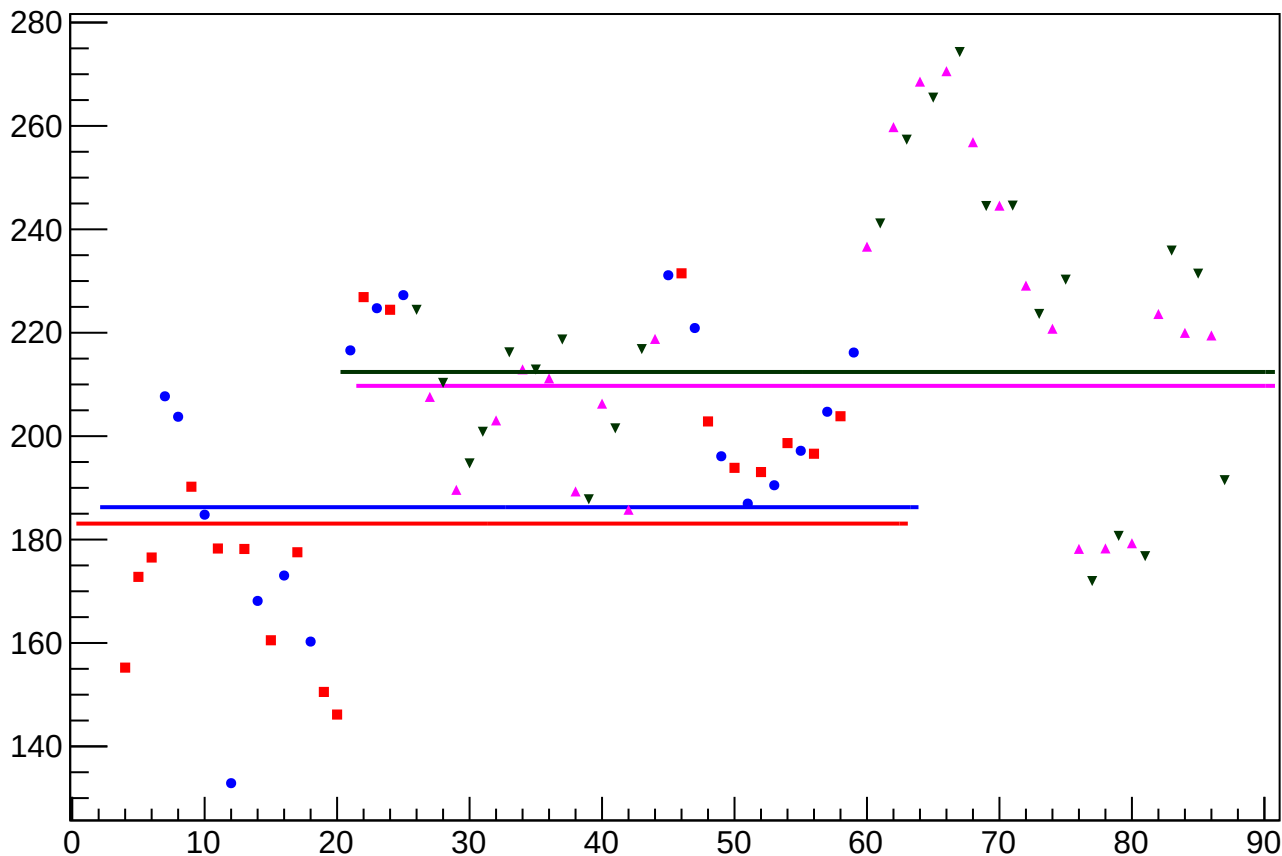
121.544 $\pm$ 0.019 χ^2 /NDF: 555658.0/41

yield_bpm0i07WS_mean vs slug



Right In: 124961.680 $\pm$ 0.057	χ^2 /NDF: 7216201458.1/17	123370.893 $\pm$ 0.042	χ^2 /NDF: 14785228478.8/17
Left Out: 121455.782 $\pm$ 0.062	χ^2 /NDF: 5839522348.7/23		
Right Out: 125527.018 $\pm$ 0.060	χ^2 /NDF: 6545248421.9/18	123730.959 $\pm$ 0.042	χ^2 /NDF: 14345680758.6/18
Left In: 121945.529 $\pm$ 0.059	χ^2 /NDF: 5986194596.6/22		

yield_bpm0i07WS_rms vs slug



Right In: 186.263+/-0.040 χ^2/NDF : 462392.0/17

Left Out: 212.414+/-0.044 χ^2/NDF :366025.1/23

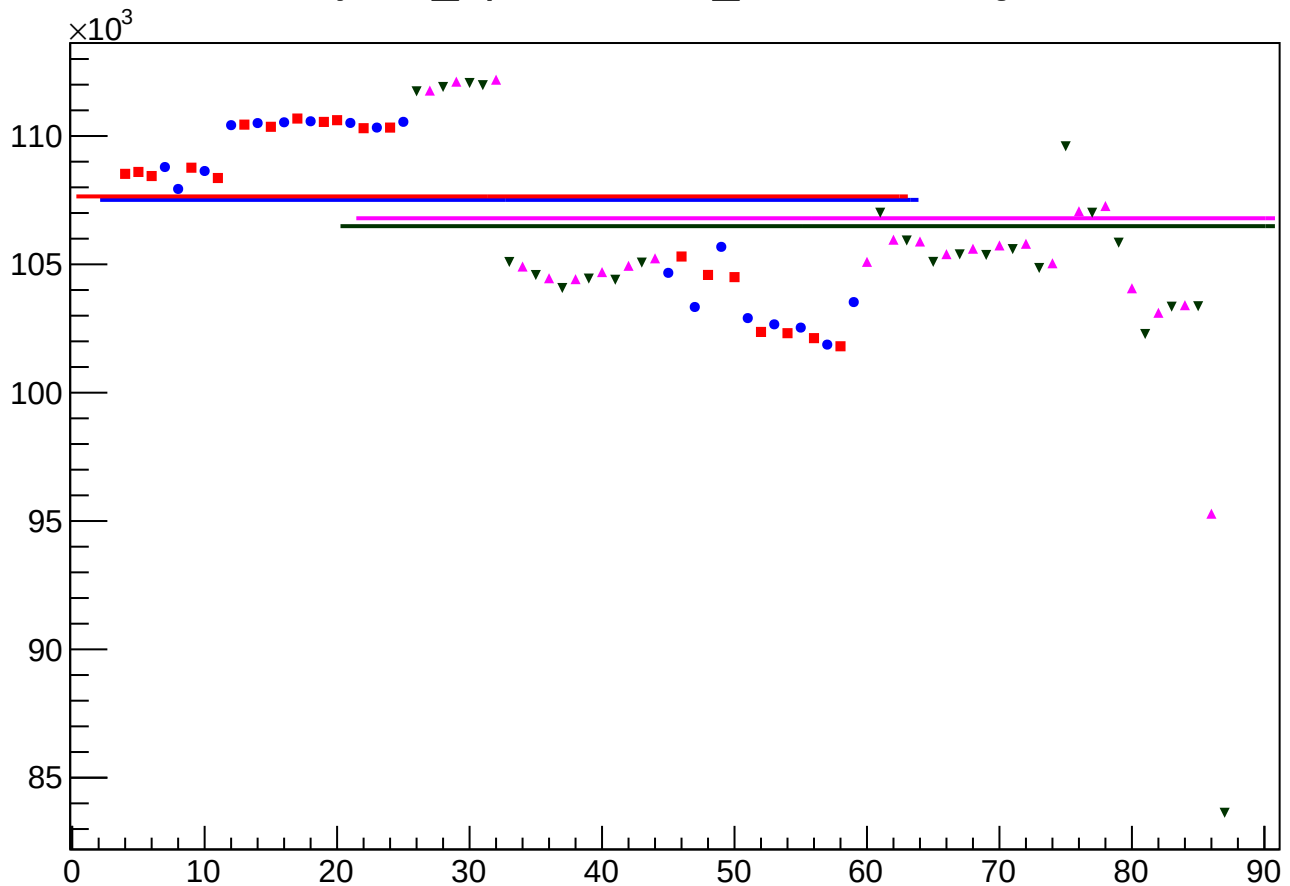
Right Out: 183.088+/-0.042 χ^2/NDF : 276420.3/18

Left In: 209.728+/-0.042 χ^2/NDF :366507.2/22

198.129+/-0.030 χ^2/NDF : 1020876.3/41

196.448+/-0.030 χ^2/NDF : 843679.8/41

yield_bpm0l01WS_mean vs slug



Right In: 107511.375 $\pm$ 0.037 χ^2 /NDF: 7545366390.6/17

Left Out: 106487.480 $\pm$ 0.038 χ^2 /NDF: 10222806746.1/23

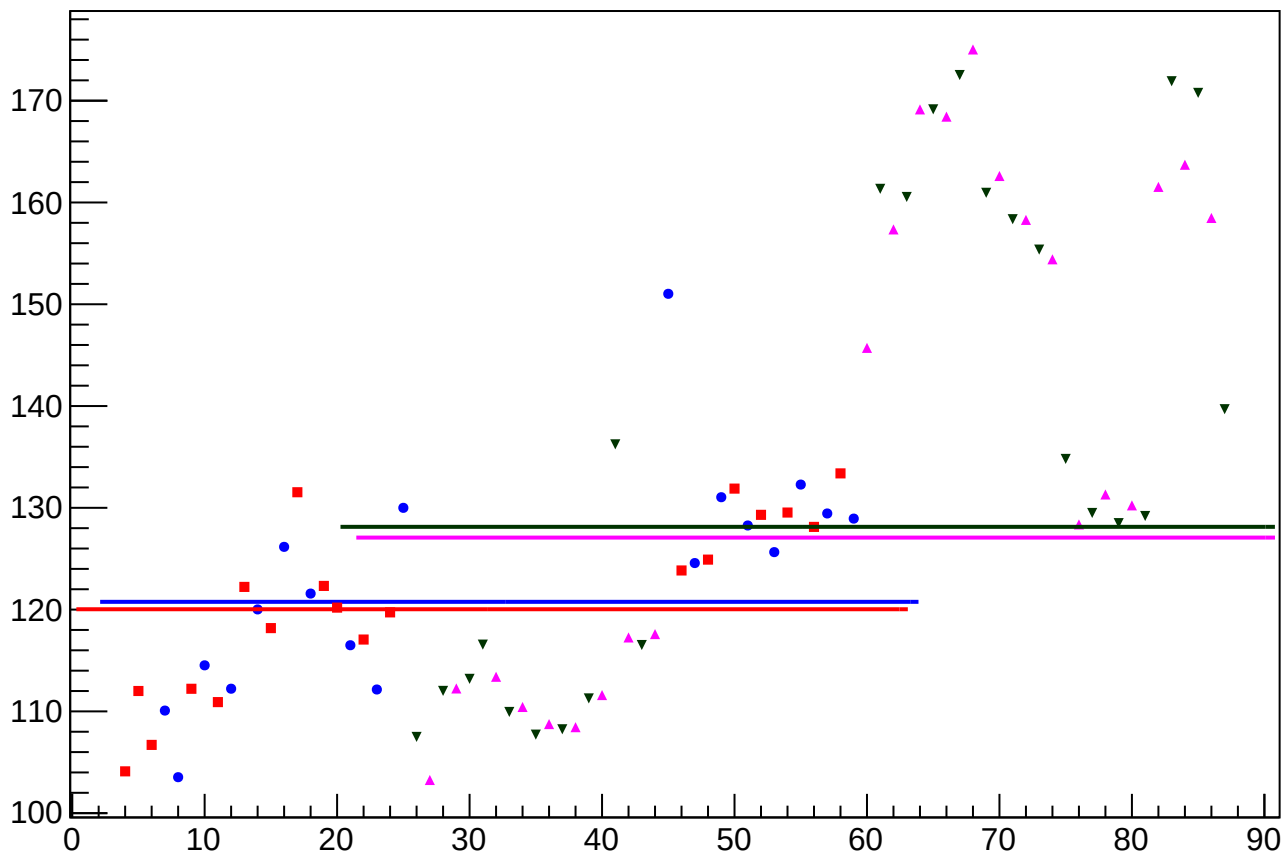
Right Out: 107646.372 $\pm$ 0.039 χ^2 /NDF: 6547636060.9/18

Left In: 106795.432 $\pm$ 0.036 χ^2 /NDF: 10736680869.1/22

107017.833 $\pm$ 0.026 χ^2 /NDF: 18145628634.7/4

107191.452 $\pm$ 0.027 χ^2 /NDF: 17539832657.4/4

yield_bpm0l01WS_rms vs slug



Right In: 120.763+/-0.026 χ^2/NDF : 155732.1/17

Left Out: 128.132+/-0.027 χ^2/NDF : 673108.1/23

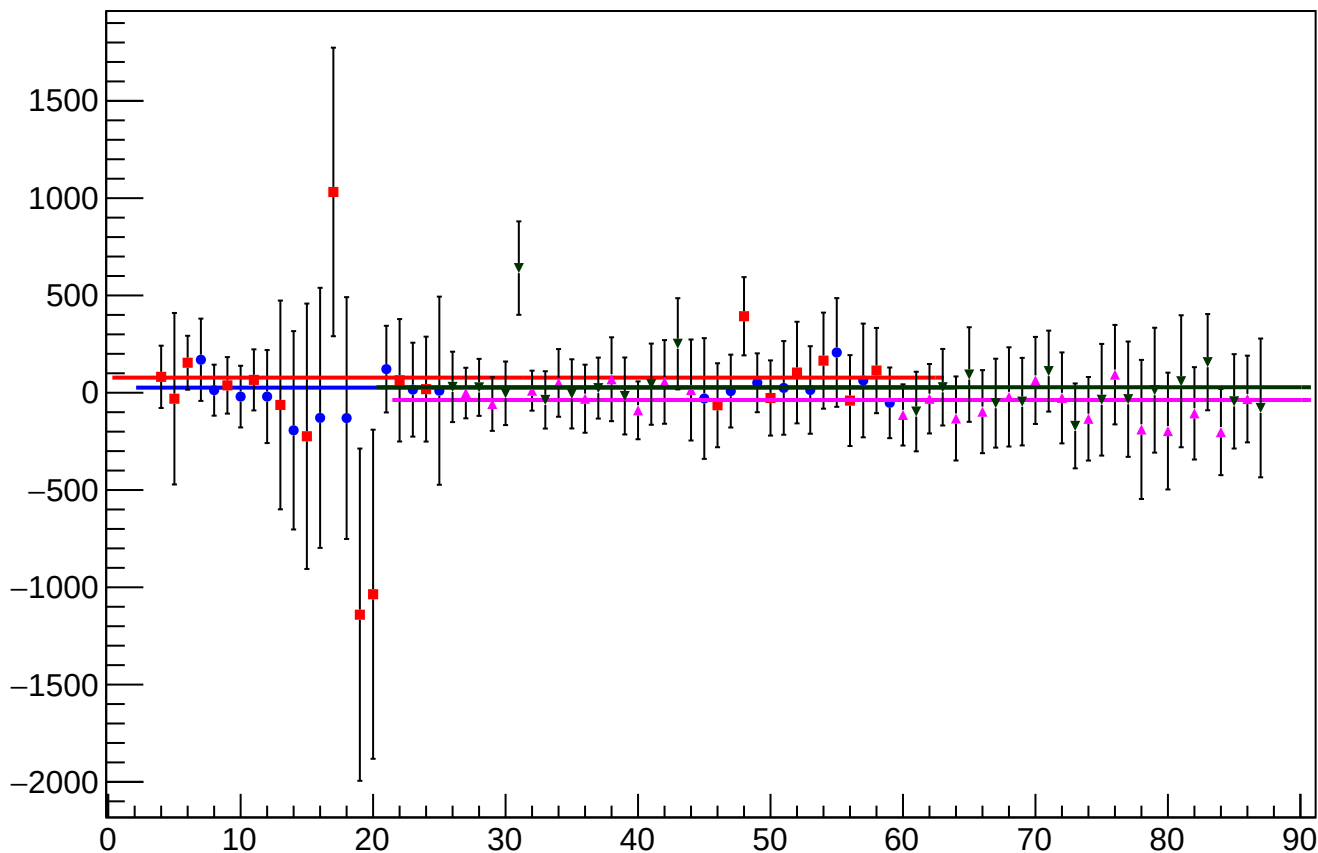
Right Out: 120.035+/-0.028 χ^2/NDF : 93920.3/18

Left In: 127.076+/-0.026 χ^2/NDF : 766207.5/22

124.315+/-0.019 χ^2/NDF : 867938.9/41

123.799+/-0.019 χ^2/NDF : 895114.2/41

asym_bcm_an_ds_mean vs slug



Right In: 26.246 ± 52.510 χ^2/NDF : 1.8/17

Left Out: 28.281 ± 42.641 χ^2/NDF : 10.0/23

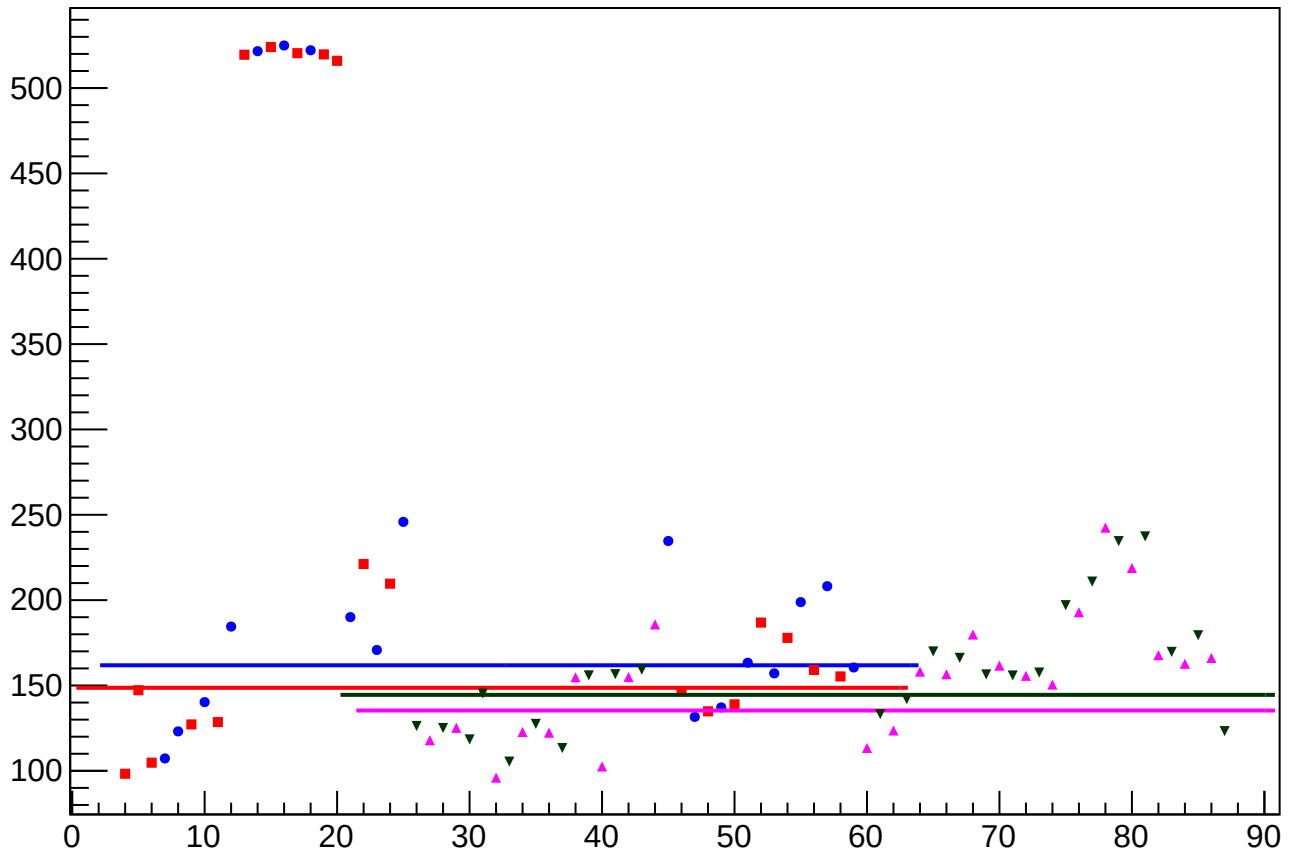
Right Out: 77.703 ± 52.586 χ^2/NDF : 9.8/18

Left In: -37.285 ± 38.972 χ^2/NDF : 3.5/22

27.473 ± 33.101 χ^2/NDF : 11.7/41

3.481 ± 31.311 χ^2/NDF : 16.3/41

asym_bcm_an_ds_rms vs slug



Right In: 161.835+/-0.037 χ^2/NDF : 3018868.1/17

Left Out: 144.511+/-0.030 χ^2/NDF : 975166.9/23

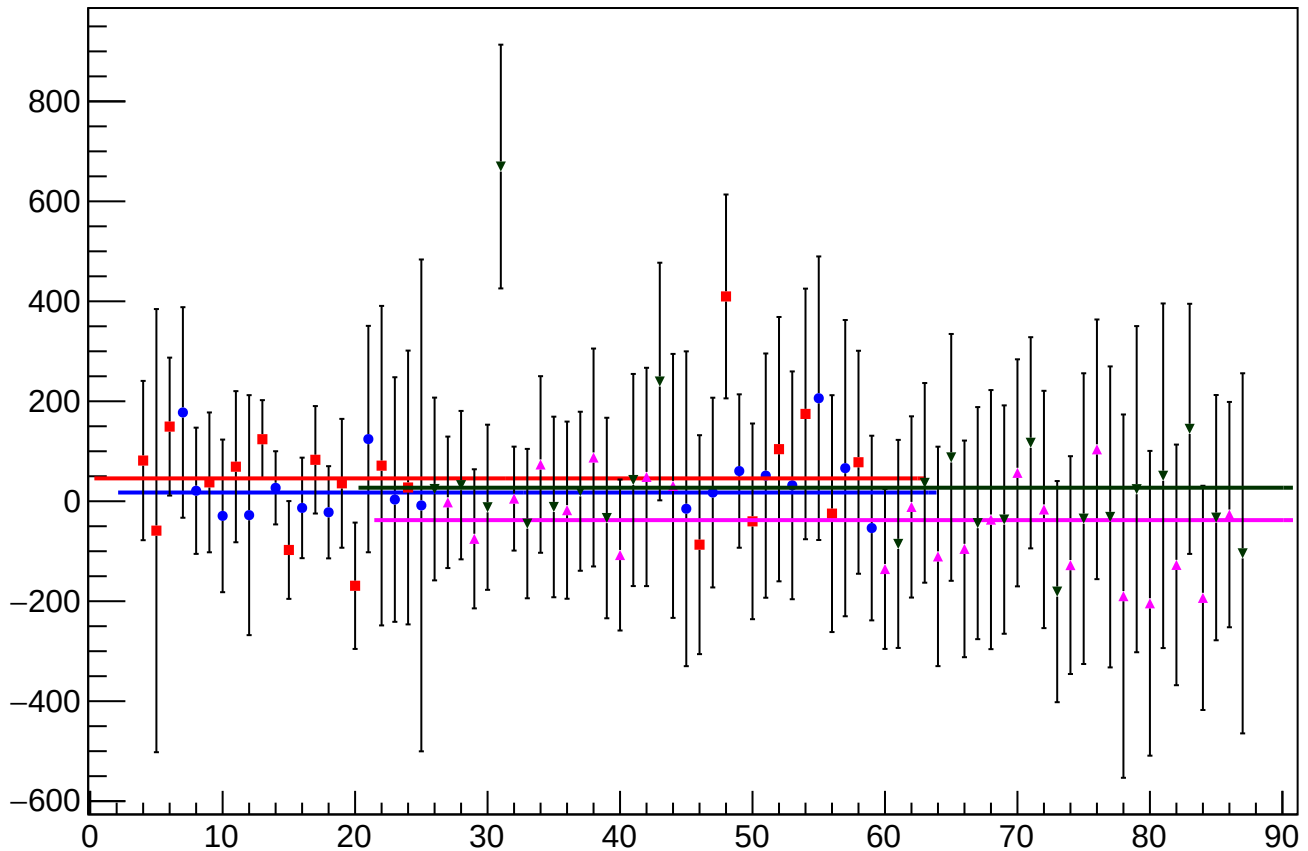
151.395+/-0.023 χ^2/NDF : 4125211.0/41

Right Out: 148.646+/-0.037 χ^2/NDF : 3594583.0/18

140.049+/-0.022 χ^2/NDF : 4989096.7/41

Left In: 135.327+/-0.028 χ^2/NDF : 1311694.2/22

asym_bcm_an_ds3_mean vs slug



Right In: 17.458 ± 36.313 $\chi^2/\text{NDF}: 2.0/17$

Left Out: 27.077 ± 43.253 $\chi^2/\text{NDF}: 10.3/23$

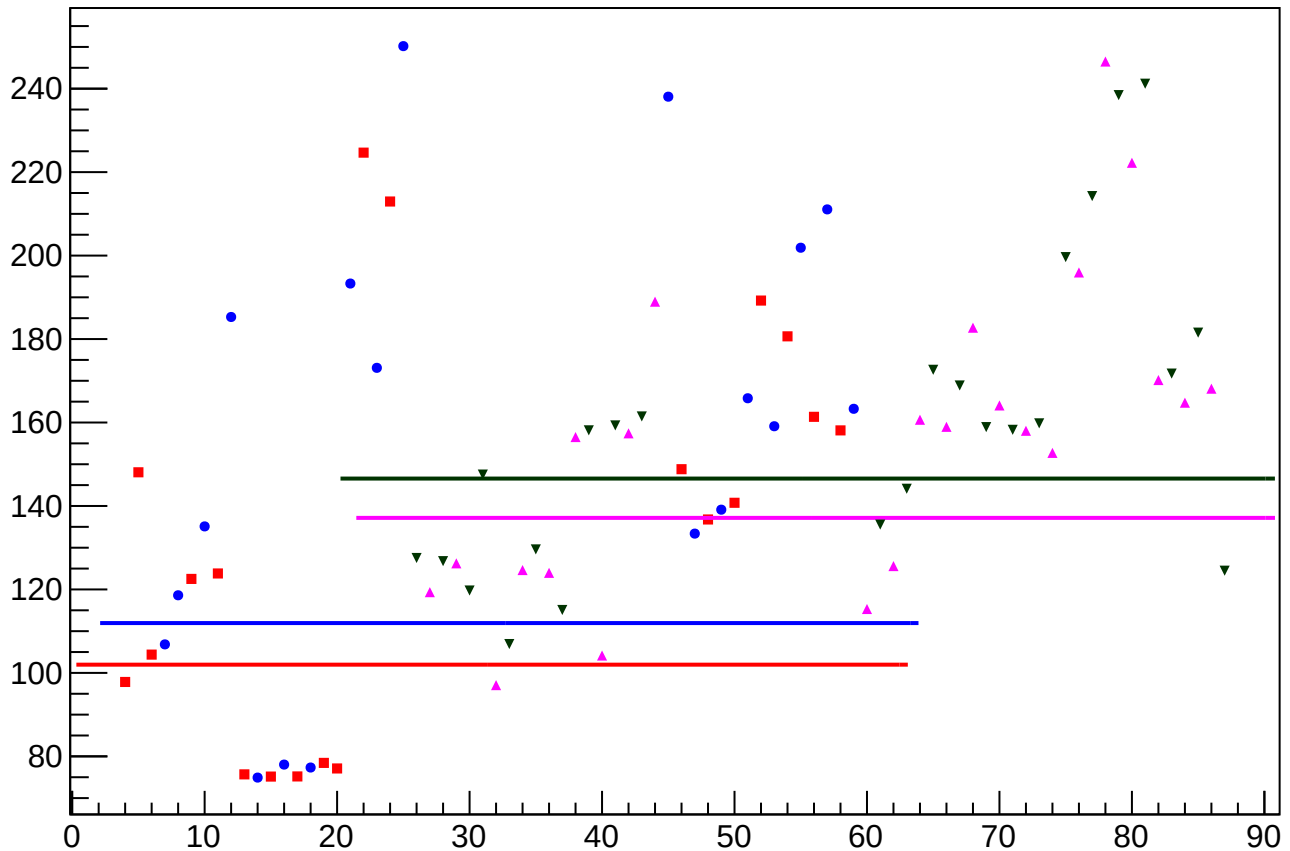
Right Out: 45.735 ± 34.677 $\chi^2/\text{NDF}: 11.0/18$

Left In: -37.774 ± 39.507 $\chi^2/\text{NDF}: 3.8/22$

21.435 ± 27.812 $\chi^2/\text{NDF}: 12.3/41$

9.395 ± 26.062 $\chi^2/\text{NDF}: 17.4/41$

asym_bcm_an_ds3_rms vs slug



Right In: 111.942+/-0.026 χ^2/NDF : 2972725.0/17

Left Out: 146.569+/-0.031 χ^2/NDF : 979622.1/23

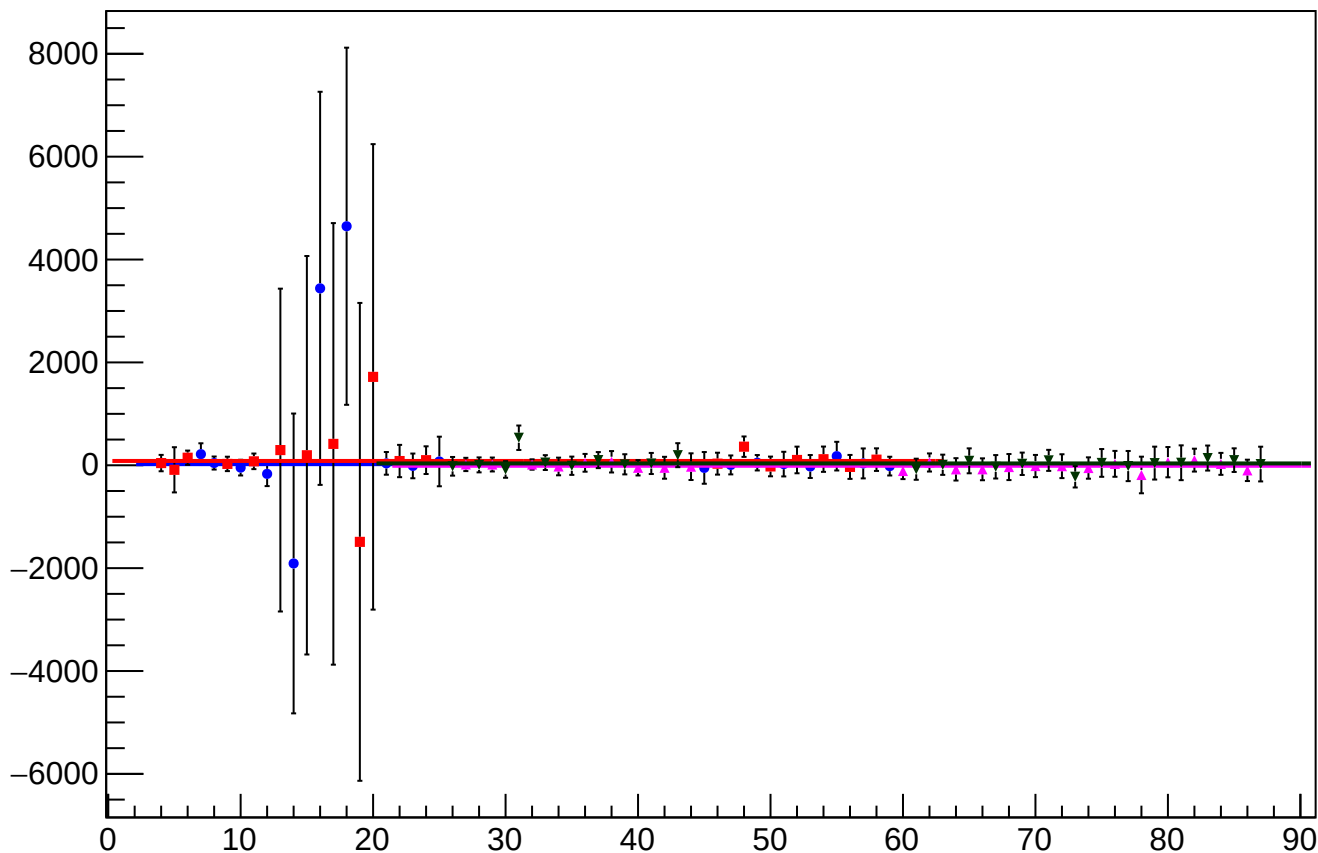
126.258+/-0.020 χ^2/NDF : 4704217.1/41

Right Out: 101.974+/-0.025 χ^2/NDF : 2271871.2/18

117.281+/-0.018 χ^2/NDF : 4489320.8/41

Left In: 137.149+/-0.028 χ^2/NDF : 1321912.1/22

asym_bcm_an_us_mean vs slug



Right In: 21.772+/-52.365 χ^2/NDF : 5.3/17

Left Out: 35.859+/-42.058 χ^2/NDF : 8.2/23

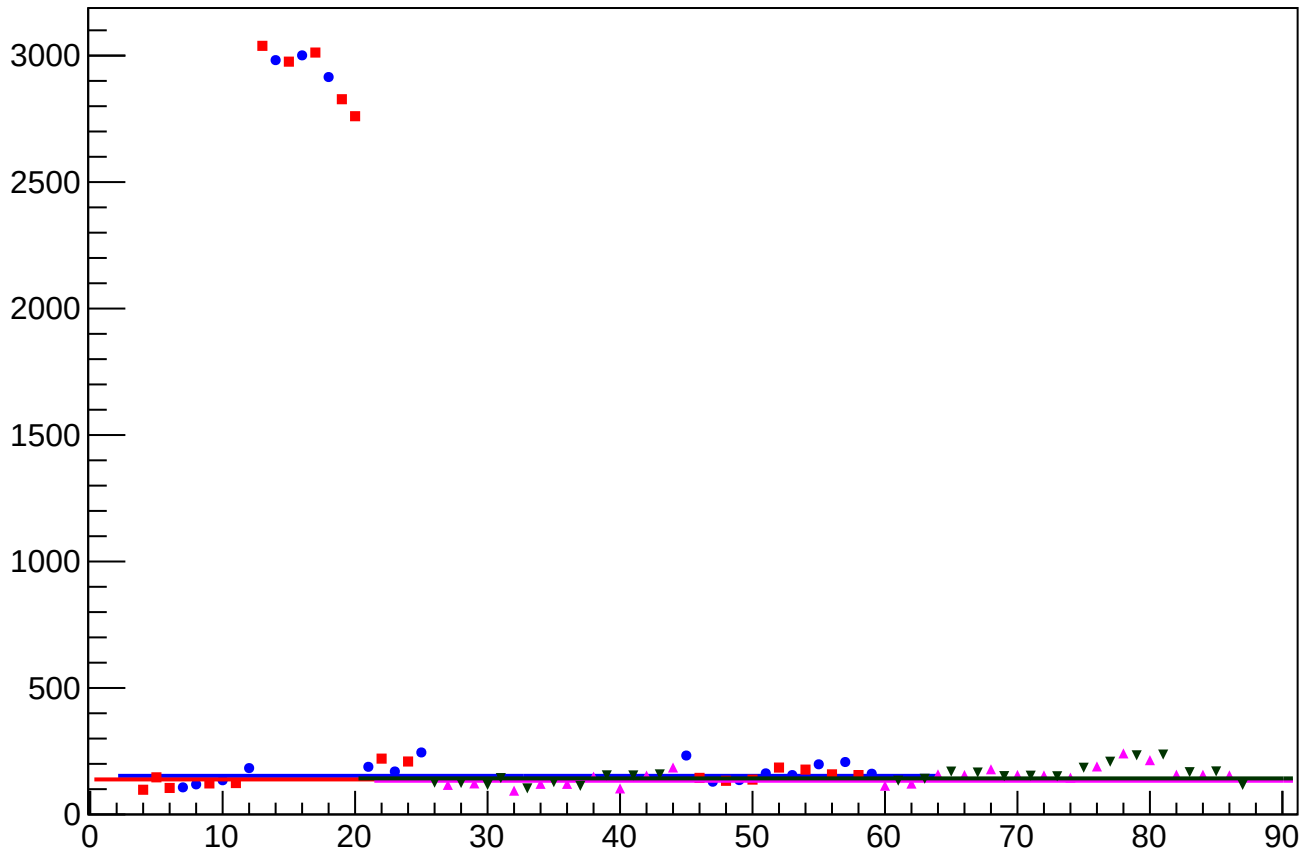
Right Out: 84.092+/-52.636 χ^2/NDF : 3.5/18

Left In: -9.622+/-38.330 χ^2/NDF : 2.1/22

30.335+/-32.791 χ^2/NDF : 13.5/41

22.852+/-30.985 χ^2/NDF : 7.6/41

asym_bcm_an_us_rms vs slug



Right In: 152.628+/-0.037 χ^2/NDF : 5017627.8/17

Left Out: 142.547+/-0.030 χ^2/NDF :950132.2/23

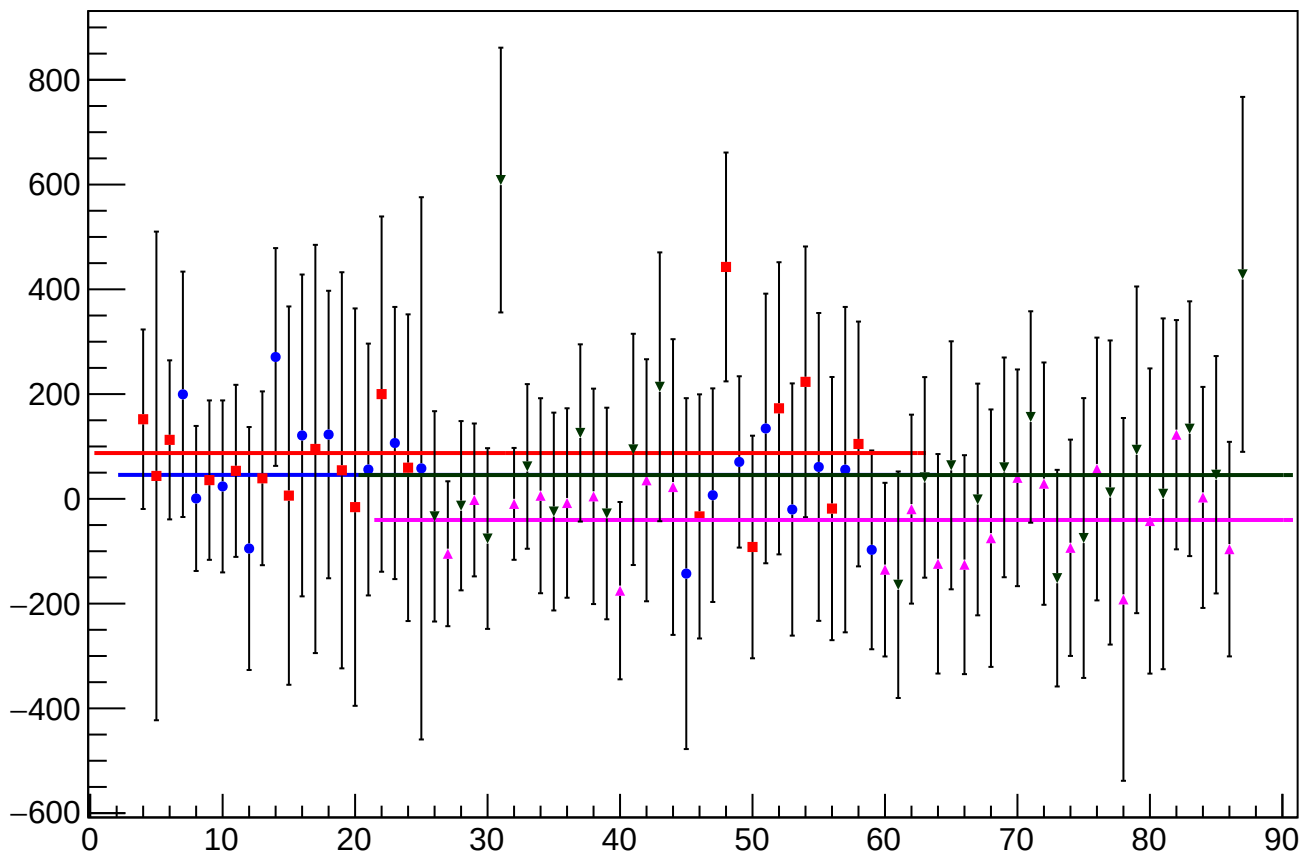
146.500+/-0.023 χ^2/NDF : 6012821.3/41

Right Out: 138.455+/-0.037 χ^2/NDF : 5734578.9/18

135.036+/-0.022 χ^2/NDF : 7016164.4/41

Left In: 133.222+/-0.027 χ^2/NDF :1268668.1/22

asym_bcm_dg_us_mean vs slug



Right In: 45.739+/-52.604 χ^2/NDF : 3.4/17

Left Out: 45.439+/-43.692 χ^2/NDF :10.6/23

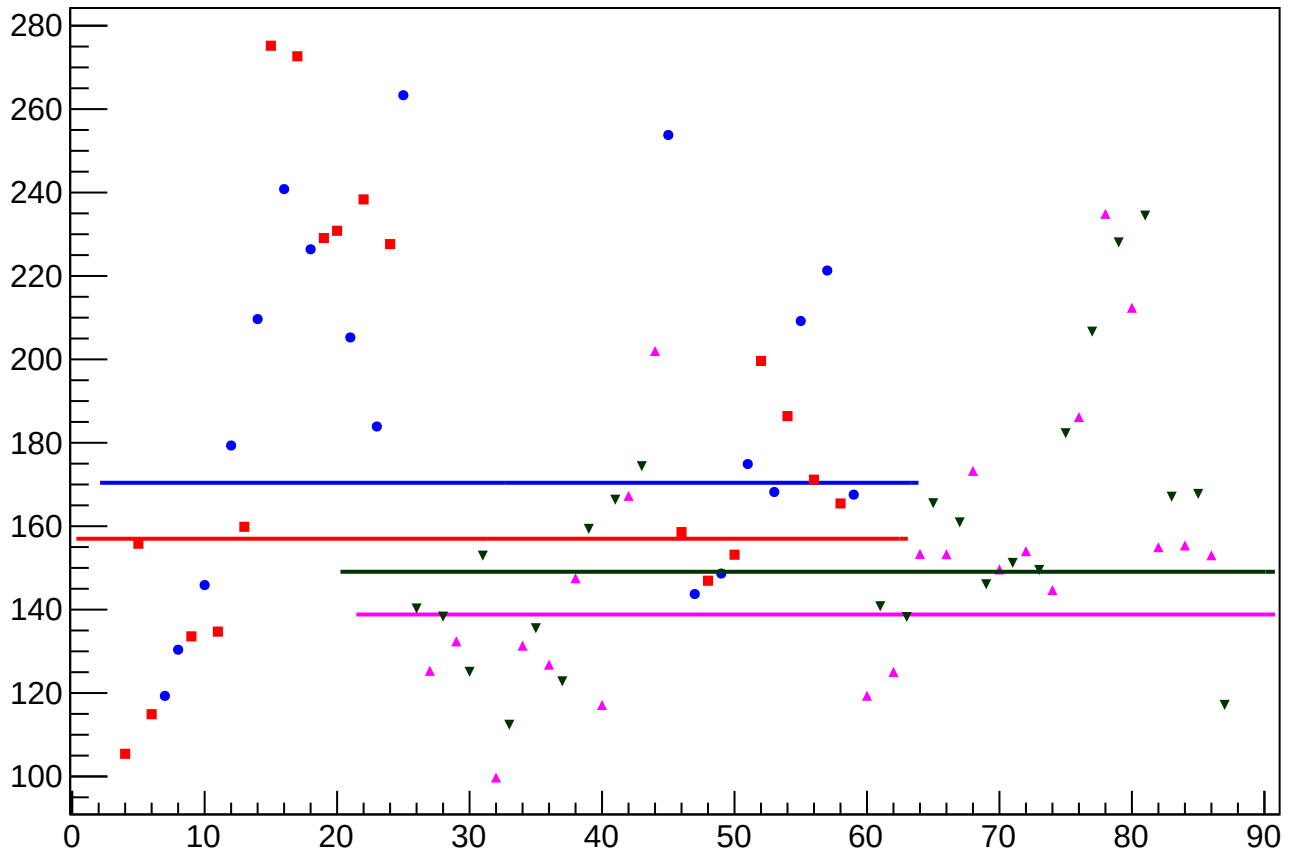
Right Out: 87.434+/-51.940 χ^2/NDF : 4.9/18

Left In: -40.328+/-39.708 χ^2/NDF :3.3/22

45.562+/-33.610 χ^2/NDF : 14.0/41

6.799+/-31.546 χ^2/NDF : 12.0/41

asym_bcm_dg_us_rms vs slug



Right In: 170.412 $\pm$ 0.037 χ^2/NDF : 964671.4/17

Left Out: 149.076 $\pm$ 0.031 χ^2/NDF : 691682.7/23

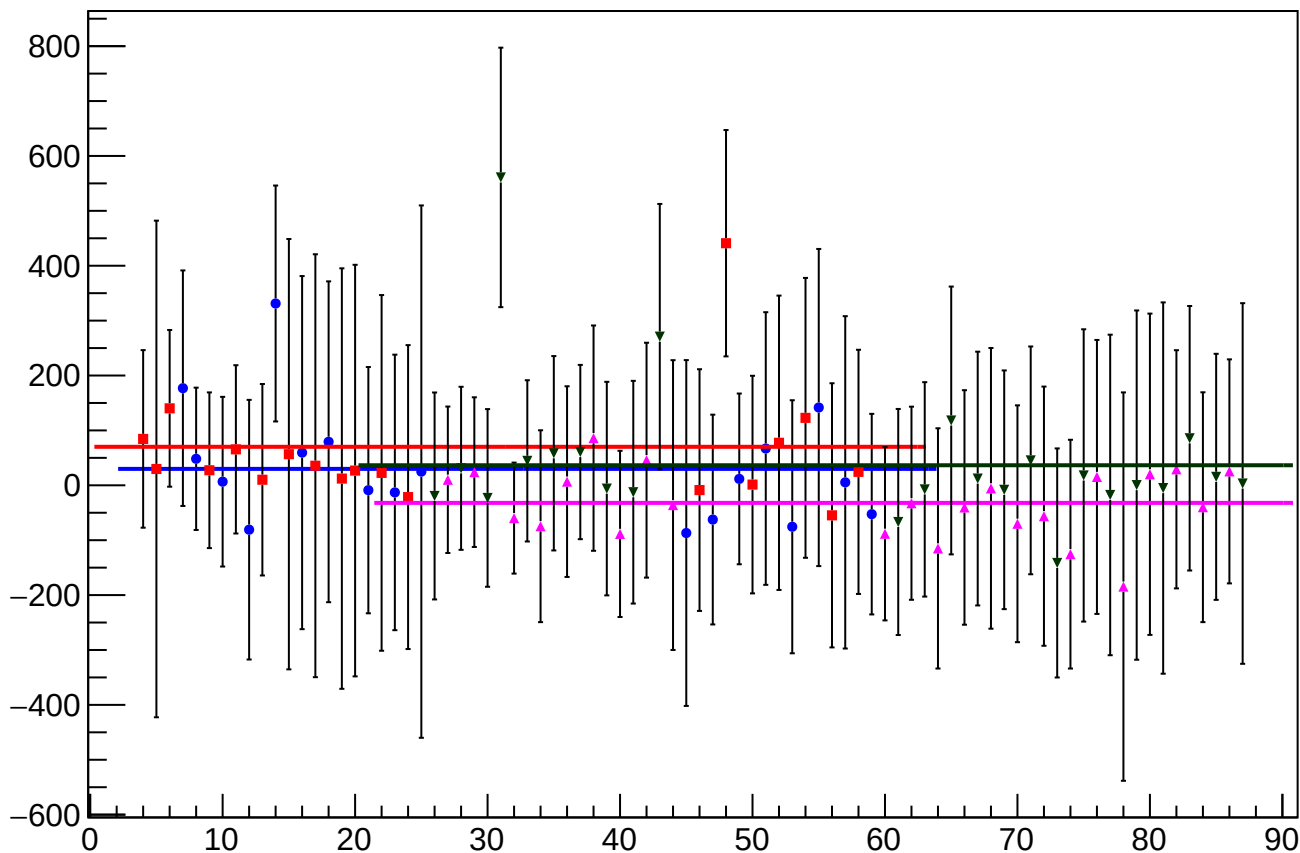
157.786 $\pm$ 0.024 χ^2/NDF : 1851051.2/41

Right Out: 156.997 $\pm$ 0.037 χ^2/NDF : 1276447.5/18

145.534 $\pm$ 0.022 χ^2/NDF : 2399305.0/41

Left In: 138.834 $\pm$ 0.028 χ^2/NDF : 968499.9/22

asym_bcm_dg_ds_mean vs slug



Right In: 29.919 ± 50.591 χ^2/NDF : 3.8/17

Left Out: 36.530 ± 42.300 χ^2/NDF : 7.6/23

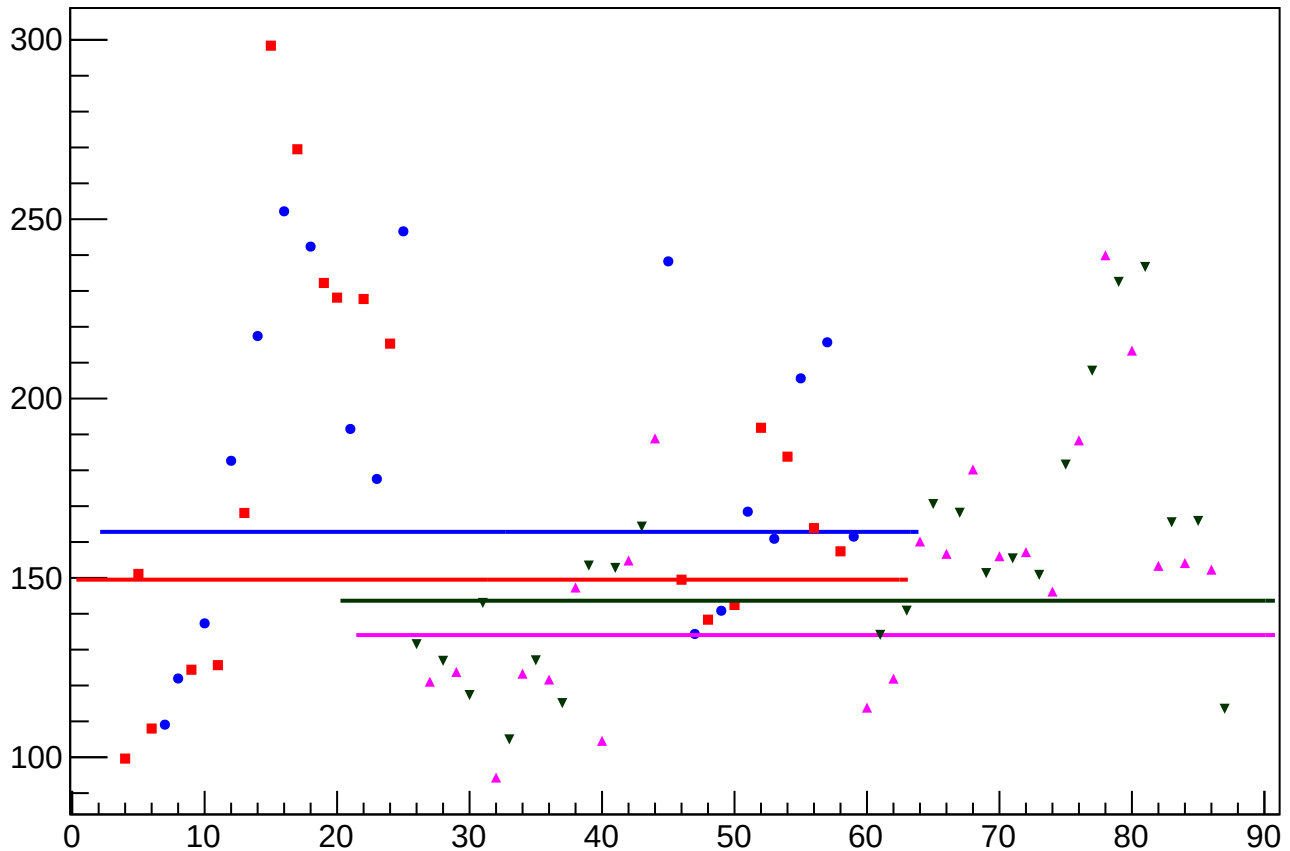
Right Out: 70.155 ± 49.782 χ^2/NDF : 4.5/18

Left In: -32.027 ± 38.516 χ^2/NDF : 2.0/22

33.810 ± 32.451 χ^2/NDF : 11.3/41

6.235 ± 30.463 χ^2/NDF : 9.1/41

asym_bcm_dg_ds_rms vs slug



Right In: 162.833 $\pm$ 0.036 χ^2 /NDF: 1229021.5/17

Left Out: 143.638 $\pm$ 0.030 χ^2 /NDF: 891759.5/23

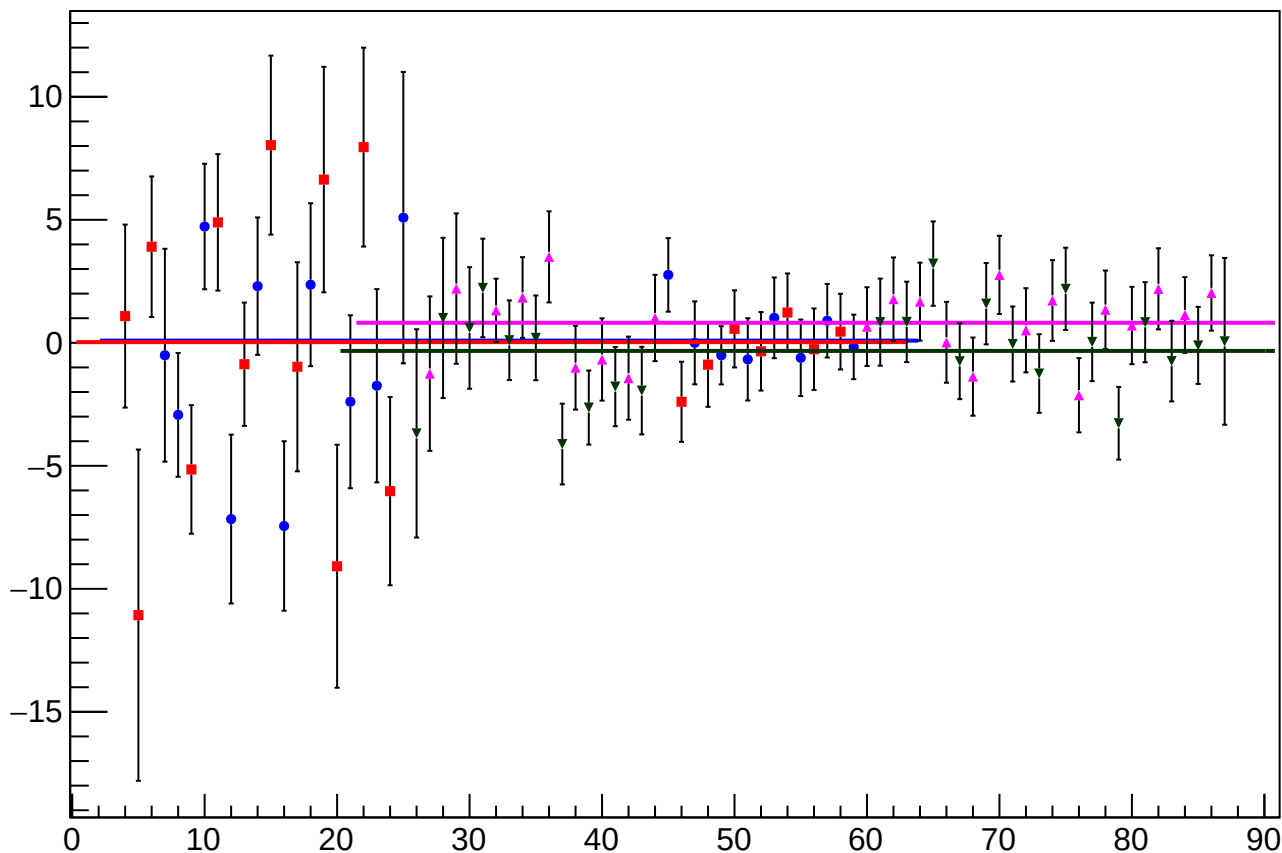
Right Out: 149.507 $\pm$ 0.035 χ^2 /NDF: 1490705.1/18

Left In: 134.060 $\pm$ 0.027 χ^2 /NDF: 1222476.6/22

151.536 $\pm$ 0.023 χ^2 /NDF: 2290241.2/41

139.844 $\pm$ 0.022 χ^2 /NDF: 2833625.2/41

asym_cav4bQ_mean vs slug



Right In: 0.089 $\pm$ 0.466 χ^2 /NDF: 21.1/17

Left Out: -0.329 $\pm$ 0.356 χ^2 /NDF:26.0/23

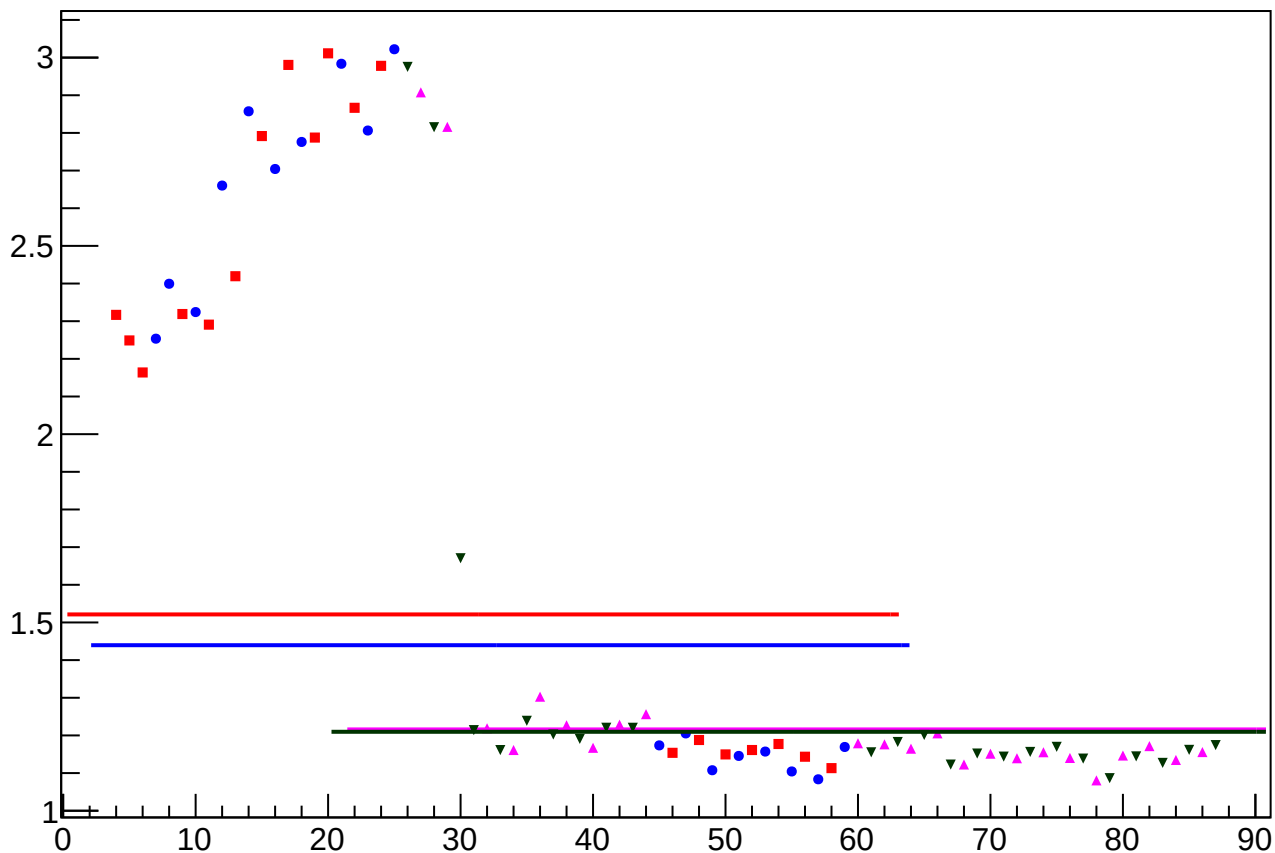
Right Out: 0.028 $\pm$ 0.520 χ^2 /NDF: 31.9/18

Left In: 0.815 $\pm$ 0.347 χ^2 /NDF:16.9/22

-0.175 $\pm$ 0.283 χ^2 /NDF: 47.5/41

0.572 $\pm$ 0.288 χ^2 /NDF: 50.4/41

asym_cav4bQ_rms vs slug



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3409388.4/17

Left Out: 1.210 $\pm$ 0.000 χ^2 /NDF:953050.7/23

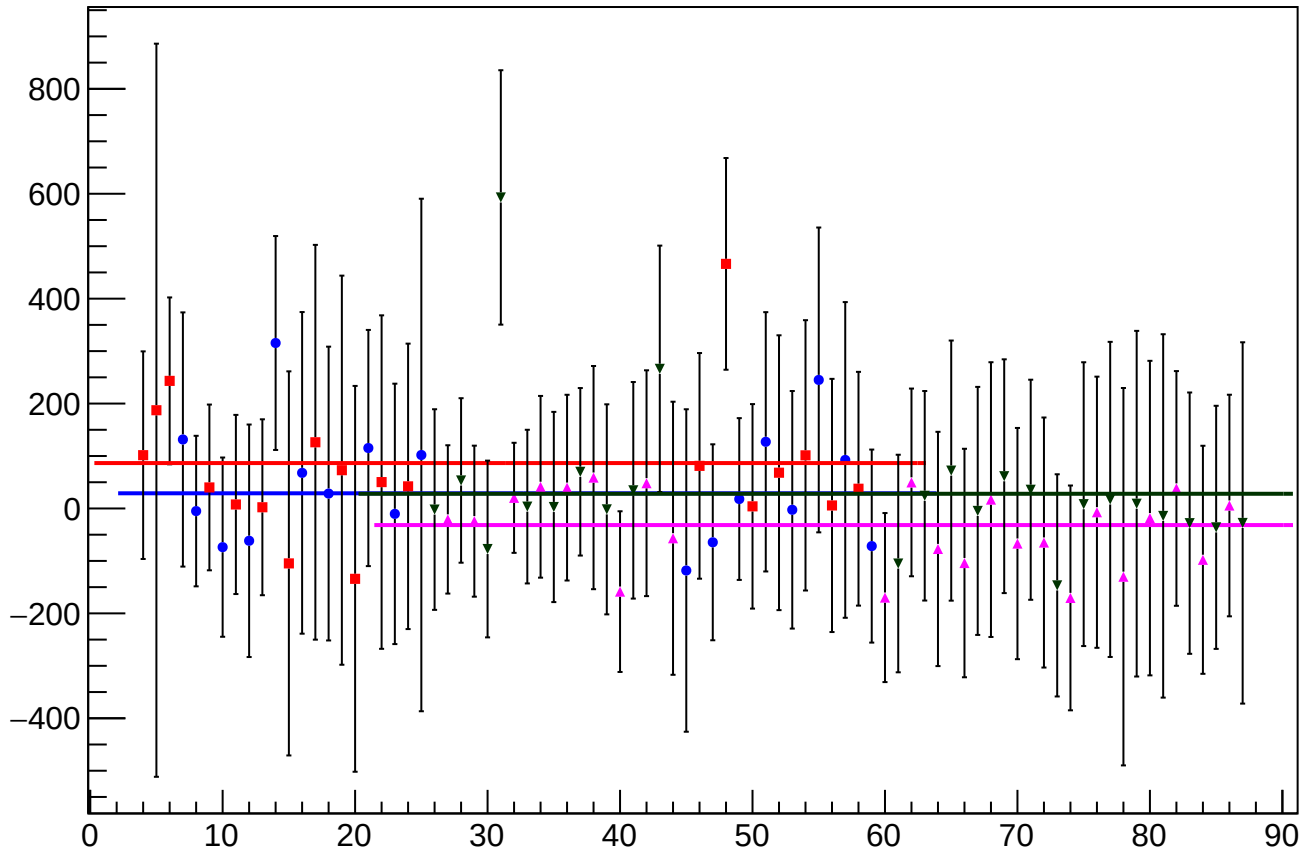
Right Out: 1.521 $\pm$ 0.000 χ^2 /NDF: 2870549.2/18

Left In: 1.216 $\pm$ 0.000 χ^2 /NDF:1193076.7/22

1.294 $\pm$ 0.000 χ^2 /NDF: 4670226.9/41

1.310 $\pm$ 0.000 χ^2 /NDF: 4541703.2/41

asym_cav4cQ_mean vs slug



Right In: 28.930 ± 51.478 χ^2/NDF : 4.5/17

Left Out: 28.014 ± 43.191 χ^2/NDF : 8.4/23

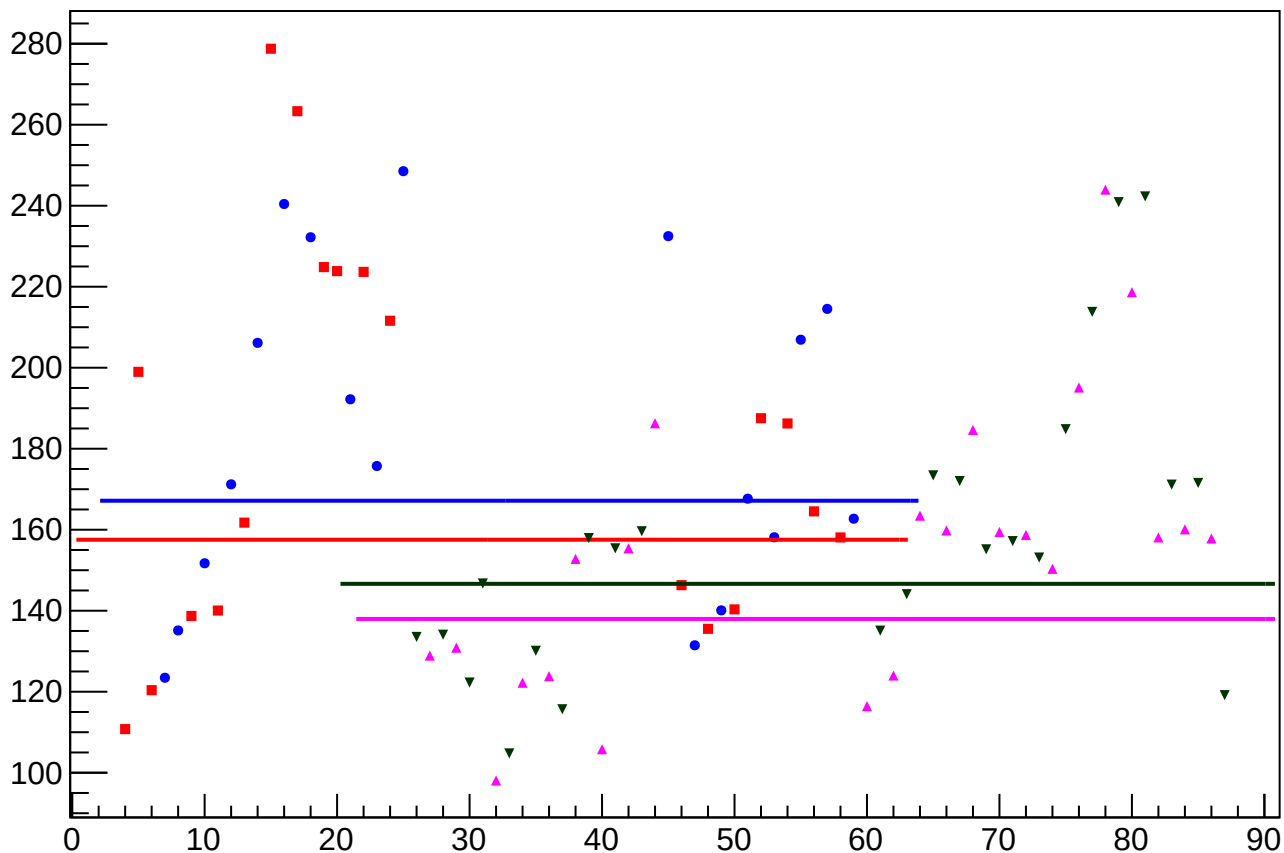
Right Out: 86.558 ± 52.059 χ^2/NDF : 6.1/18

Left In: -31.648 ± 39.585 χ^2/NDF : 3.5/22

28.392 ± 33.087 χ^2/NDF : 12.9/41

11.659 ± 31.510 χ^2/NDF : 12.9/41

asym_cav4cQ_rms vs slug



Right In: 167.159 ± 0.036 χ^2/NDF : 875808.6/17

Left Out: 146.640 ± 0.031 χ^2/NDF : 909211.3/23

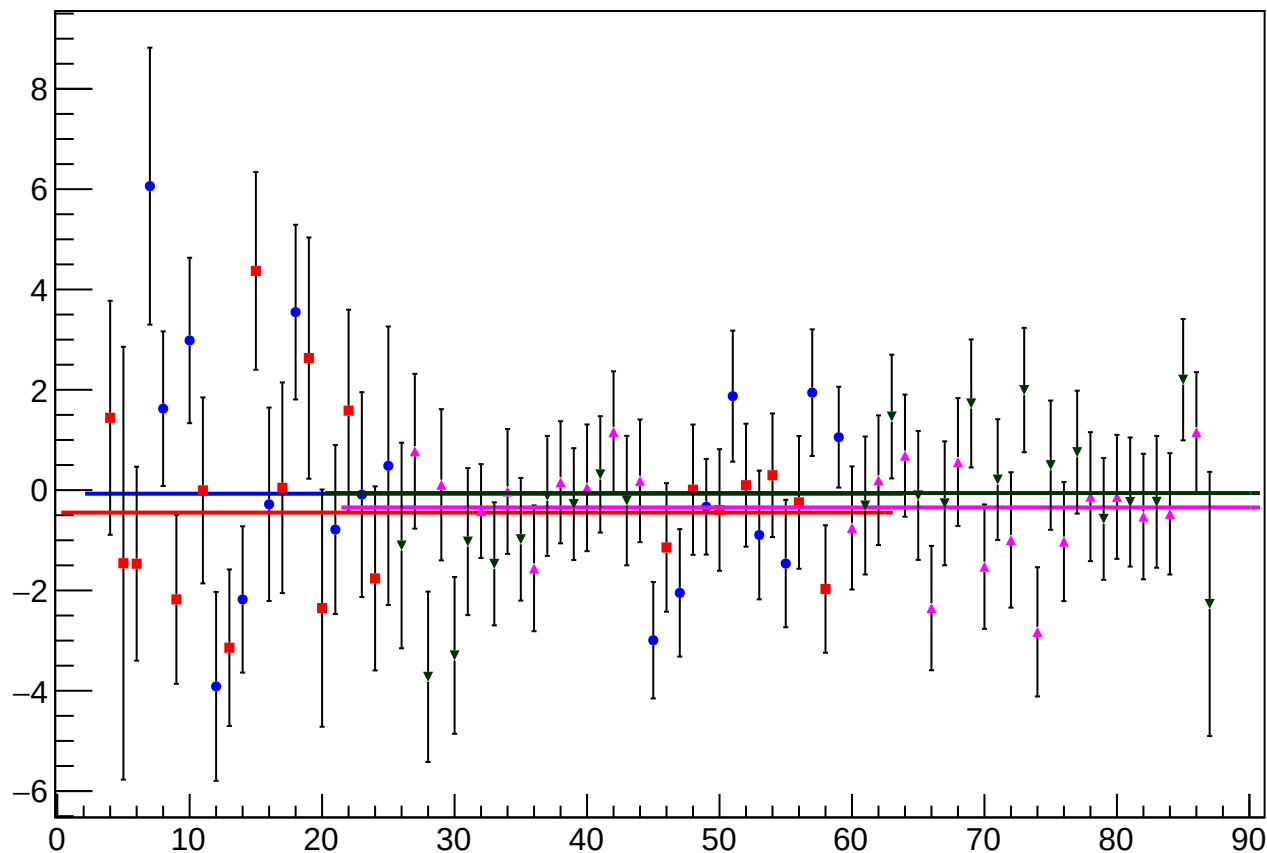
155.117 ± 0.023 χ^2/NDF : 1971501.1/41

Right Out: 157.534 ± 0.037 χ^2/NDF : 1049684.2/18

145.140 ± 0.022 χ^2/NDF : 2409148.6/41

Left In: 137.973 ± 0.028 χ^2/NDF : 1180542.3/22

asym_cav4dQ_mean vs slug



Right In: -0.071 $\pm$ 0.335 χ^2 /NDF: 36.8/17

Left Out: -0.059 $\pm$ 0.267 χ^2 /NDF: 23.1/23

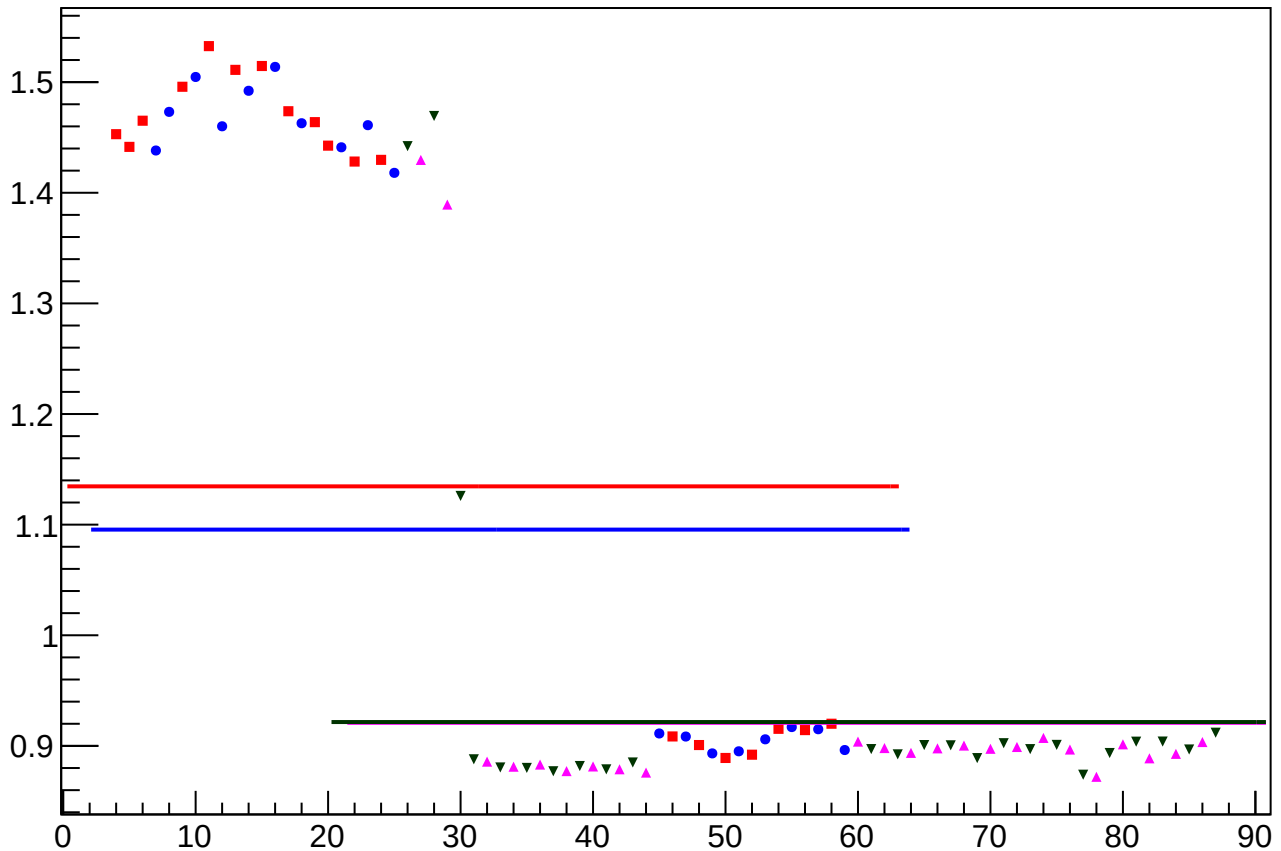
Right Out: -0.448 $\pm$ 0.369 χ^2 /NDF: 17.4/18

Left In: -0.345 $\pm$ 0.259 χ^2 /NDF: 14.6/22

-0.064 $\pm$ 0.209 χ^2 /NDF: 59.9/41

-0.379 $\pm$ 0.212 χ^2 /NDF: 32.0/41

asym_cav4dQ_rms vs slug



Right In: 1.096+/-0.000 χ^2/NDF : 1288766.9/17

Left Out: 0.922+/-0.000 χ^2/NDF : 398192.0/23

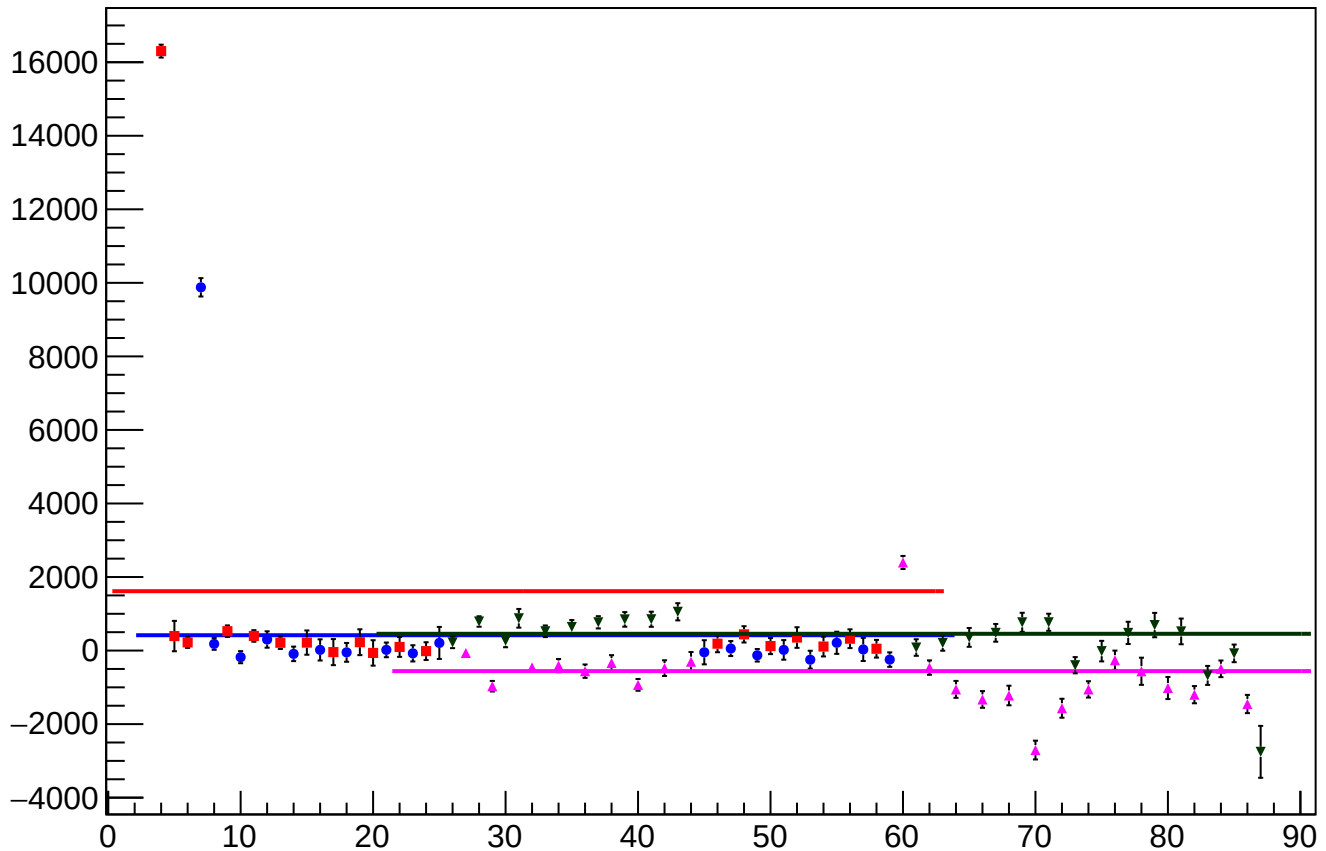
0.989+/-0.000 χ^2/NDF : 2015918.5/41

Right Out: 1.135+/-0.000 χ^2/NDF : 1161881.6/18

0.991+/-0.000 χ^2/NDF : 2050254.8/41

Left In: 0.921+/-0.000 χ^2/NDF : 438731.2/22

asym_bcm0l02_mean vs slug



Right In: 417.186+/-52.636 χ^2/NDF : 1507.9/17

Left Out: 456.012+/-44.178 χ^2/NDF : 101.1/23

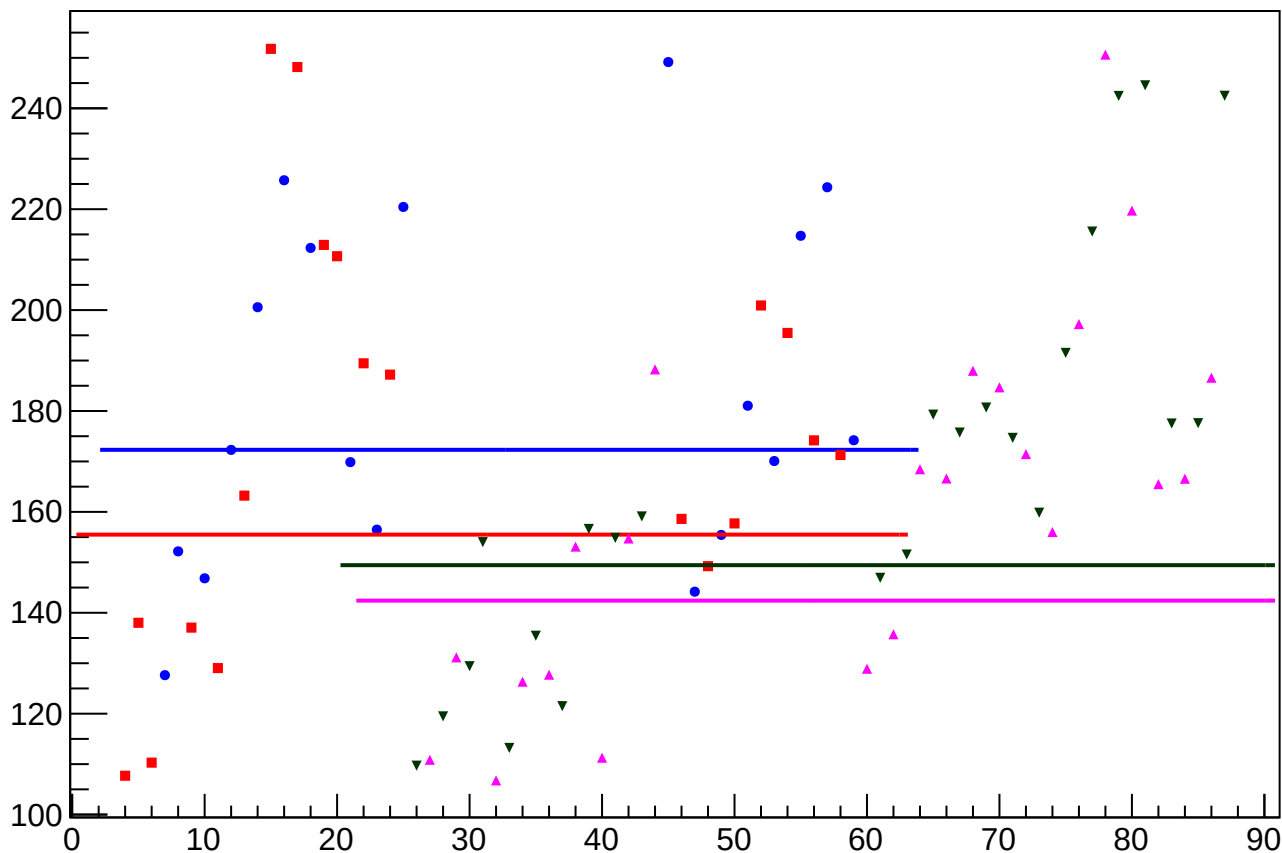
439.965+/-33.839 χ^2/NDF : 1609.4/41

Right Out: 1614.499+/-51.138 χ^2/NDF : 7665.3/18

287.406+/-31.912 χ^2/NDF : 9215.3/41

Left In: -558.997+/-40.840 χ^2/NDF : 447.0/22

asym_bcm0l02_rms vs slug



Right In: 172.303 ± 0.037 χ^2/NDF : 600813.3/17

Left Out: 149.437 ± 0.031 χ^2/NDF : 1063453.9/23

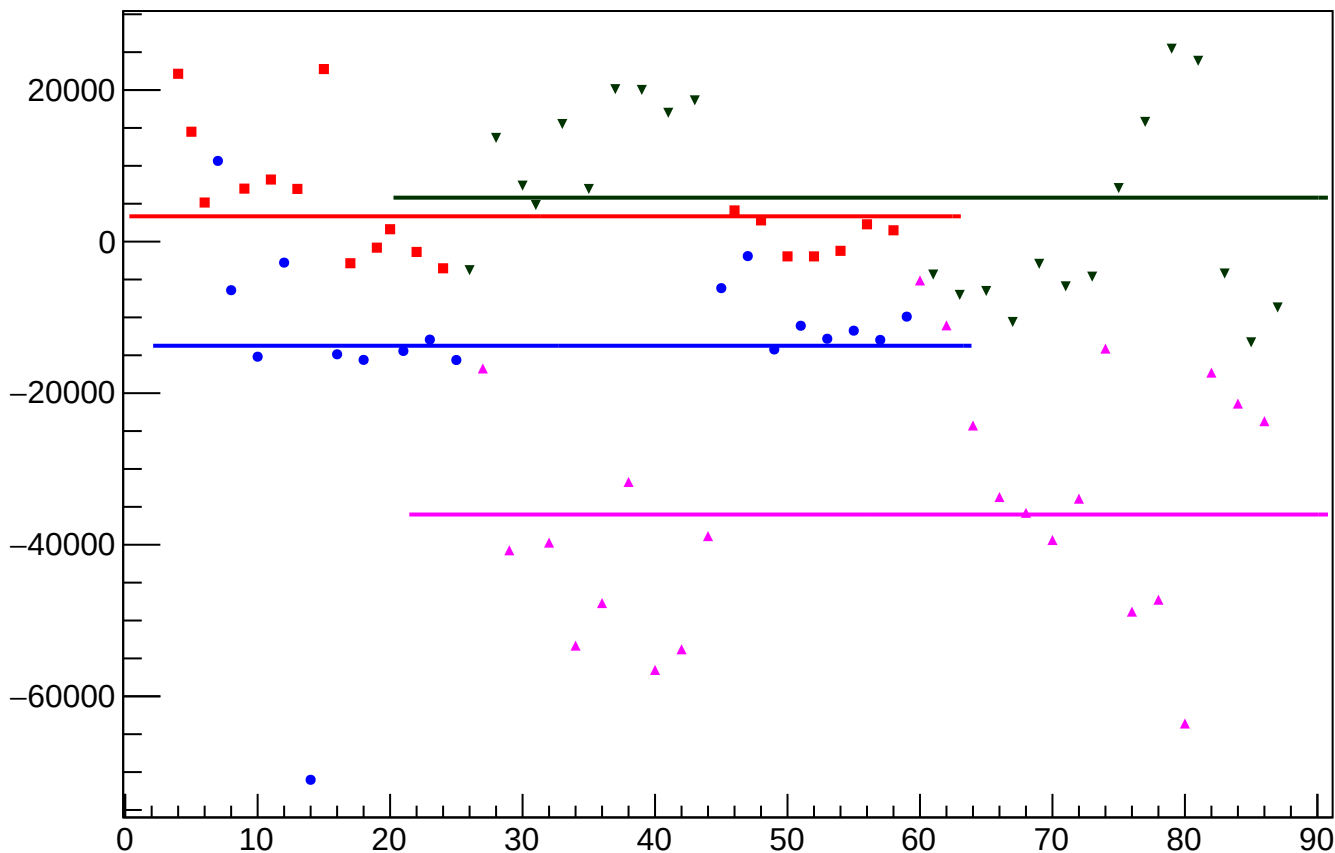
Right Out: 155.494 ± 0.036 χ^2/NDF : 1018742.9/18

Left In: 142.410 ± 0.029 χ^2/NDF : 1225659.7/22

158.888 ± 0.024 χ^2/NDF : 1885715.9/41

147.505 ± 0.023 χ^2/NDF : 2324338.1/41

asym_bpm2i01WS_mean vs slug



Right In: -13741.376 ± 32.053 χ^2/NDF : 222194.3/17

Left Out: 5799.758 ± 27.652 χ^2/NDF : 191420.7/23

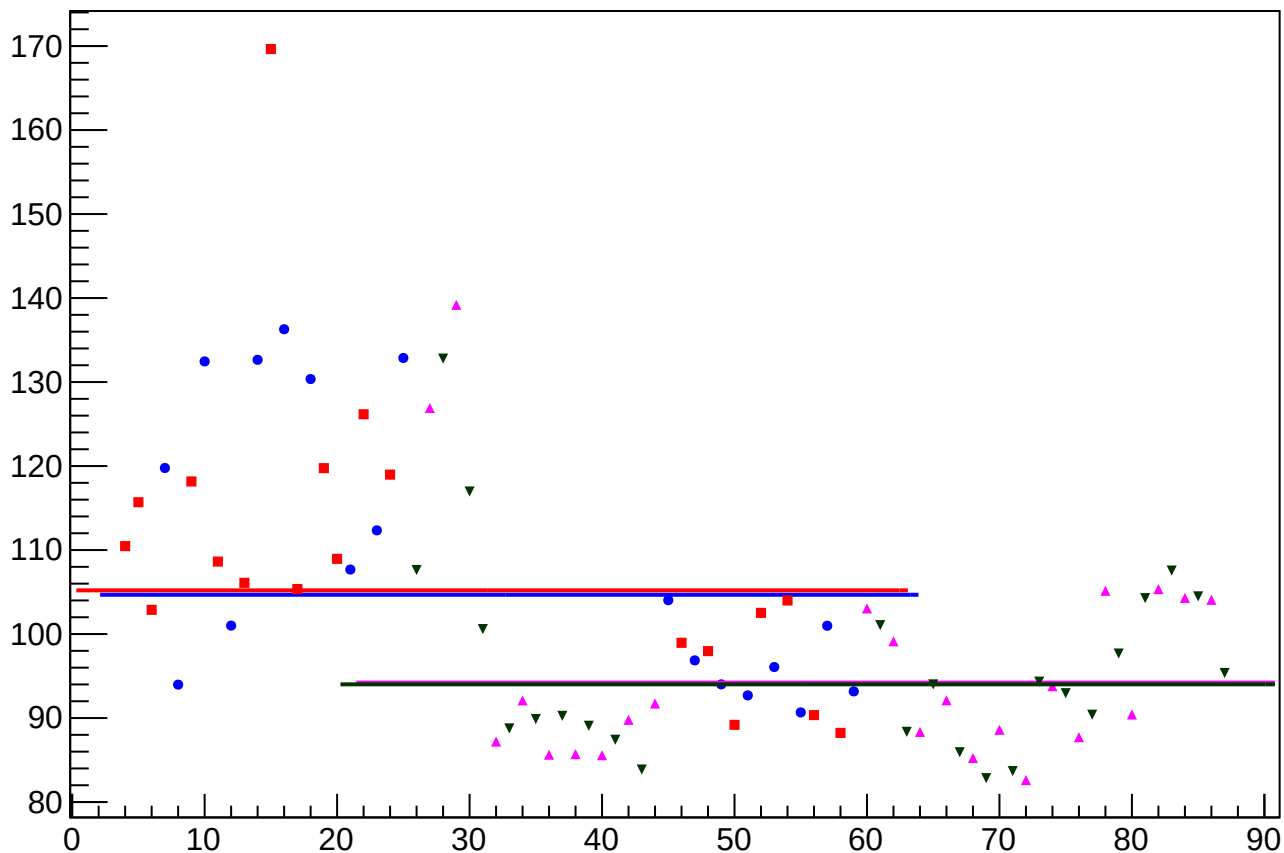
Right Out: 3338.926 ± 34.258 χ^2/NDF : 31361.1/18

Left In: -36013.093 ± 26.859 χ^2/NDF : 308743.1/22

-2538.117 ± 20.937 χ^2/NDF : 626705.2/41

-21031.852 ± 21.137 χ^2/NDF : 1157296.4/41

asym_bpm2i01WS_rms vs slug



Right In: 104.677 $\pm$ 0.023 χ^2/NDF : 431749.6/17

Left Out: 94.013 $\pm$ 0.020 χ^2/NDF : 292615.7/23

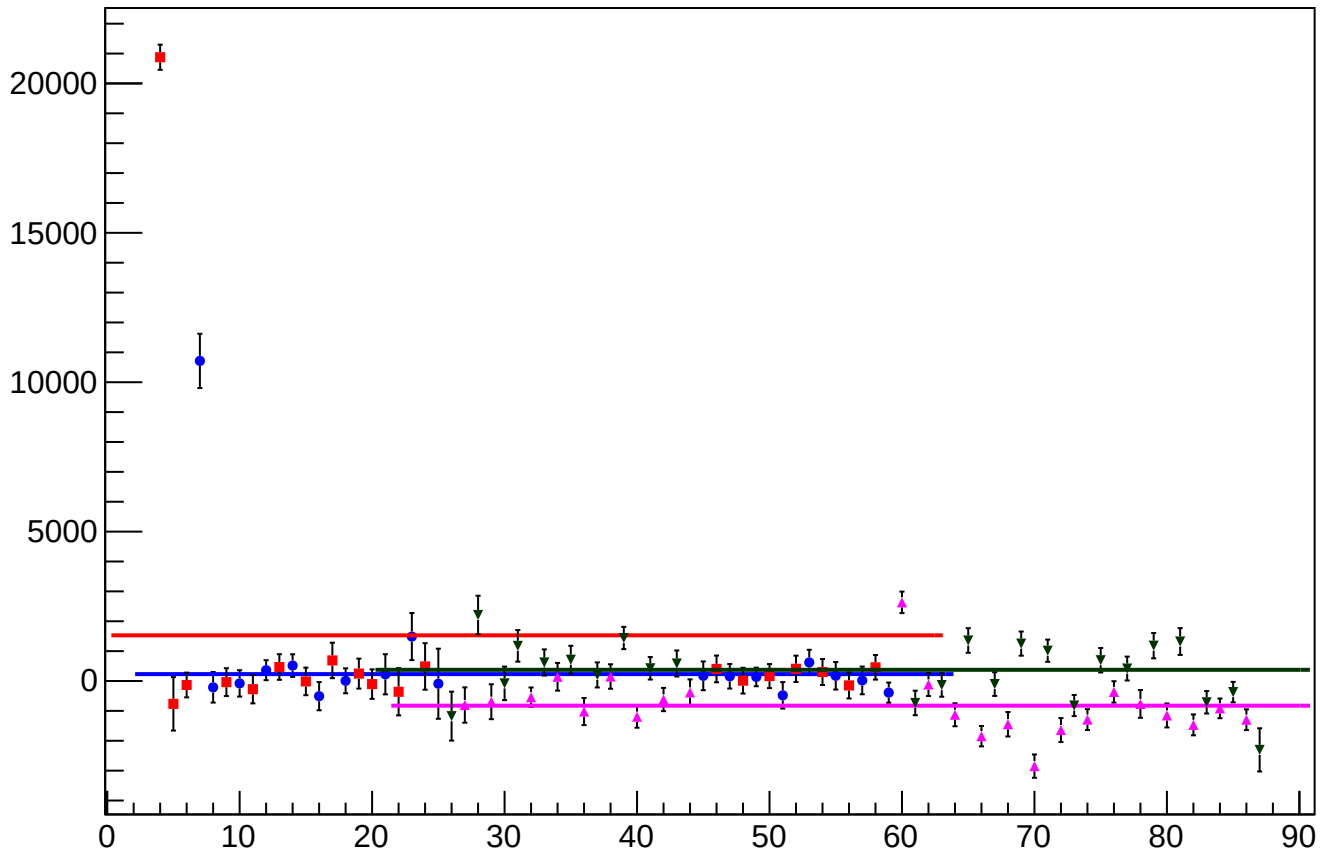
Right Out: 105.200 $\pm$ 0.024 χ^2/NDF : 336723.5/18

Left In: 94.219 $\pm$ 0.019 χ^2/NDF : 411607.4/22

98.563 $\pm$ 0.015 χ^2/NDF : 851284.7/41

98.400 $\pm$ 0.015 χ^2/NDF : 875604.0/41

asym_bpm0i07WS_mean vs slug



Right In: 230.965 ± 105.235 χ^2/NDF : 148.0/17

Left Out: 375.136 ± 87.014 χ^2/NDF : 94.9/23

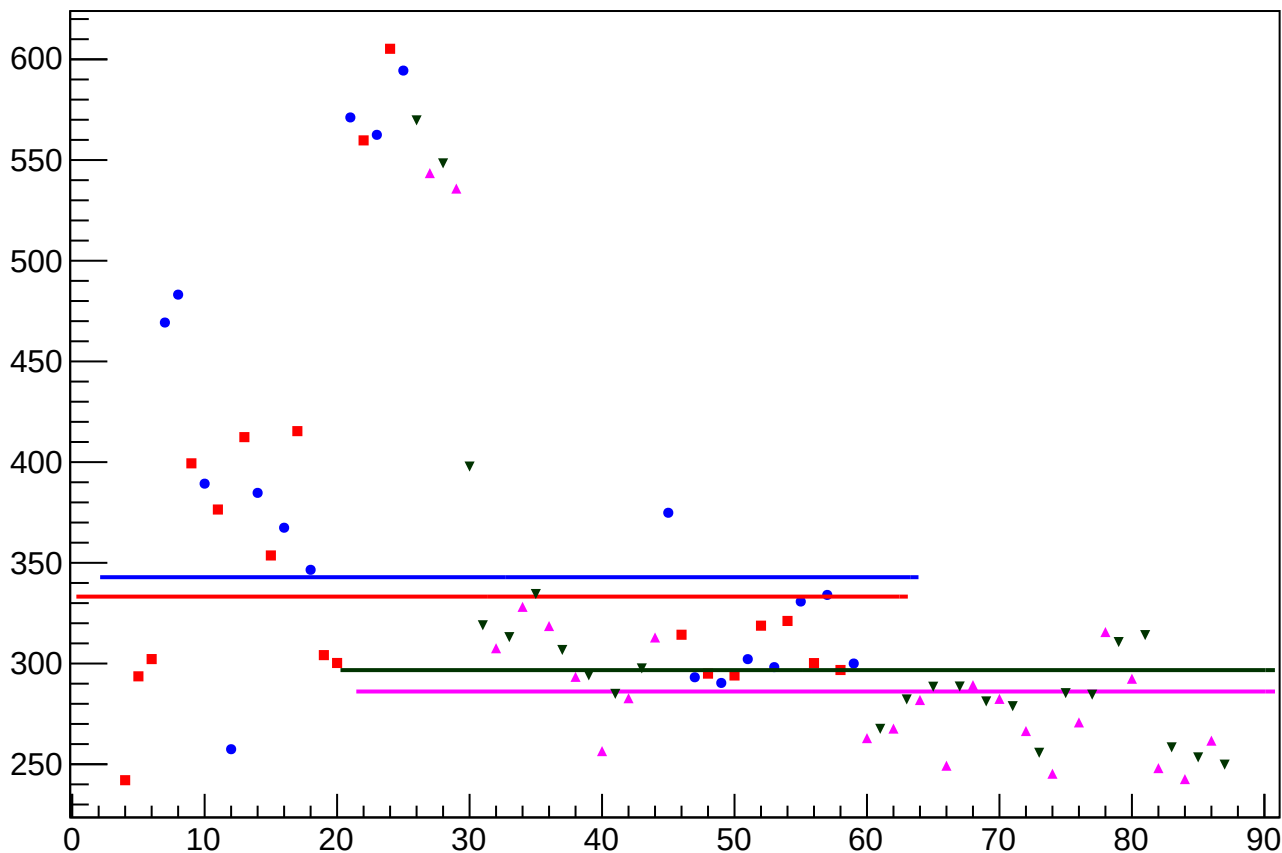
316.594 ± 67.059 χ^2/NDF : 244.0/41

Right Out: 1529.045 ± 108.949 χ^2/NDF : 2274.0/18

18.138 ± 65.212 χ^2/NDF : 2735.1/41

Left In: -825.369 ± 81.404 χ^2/NDF : 161.3/22

asym_bpm0i07WS_rms vs slug



Right In: 342.865 $\pm$ 0.074 χ^2 /NDF: 1018623.1/17

Left Out: 296.728 $\pm$ 0.062 χ^2 /NDF: 734211.6/23

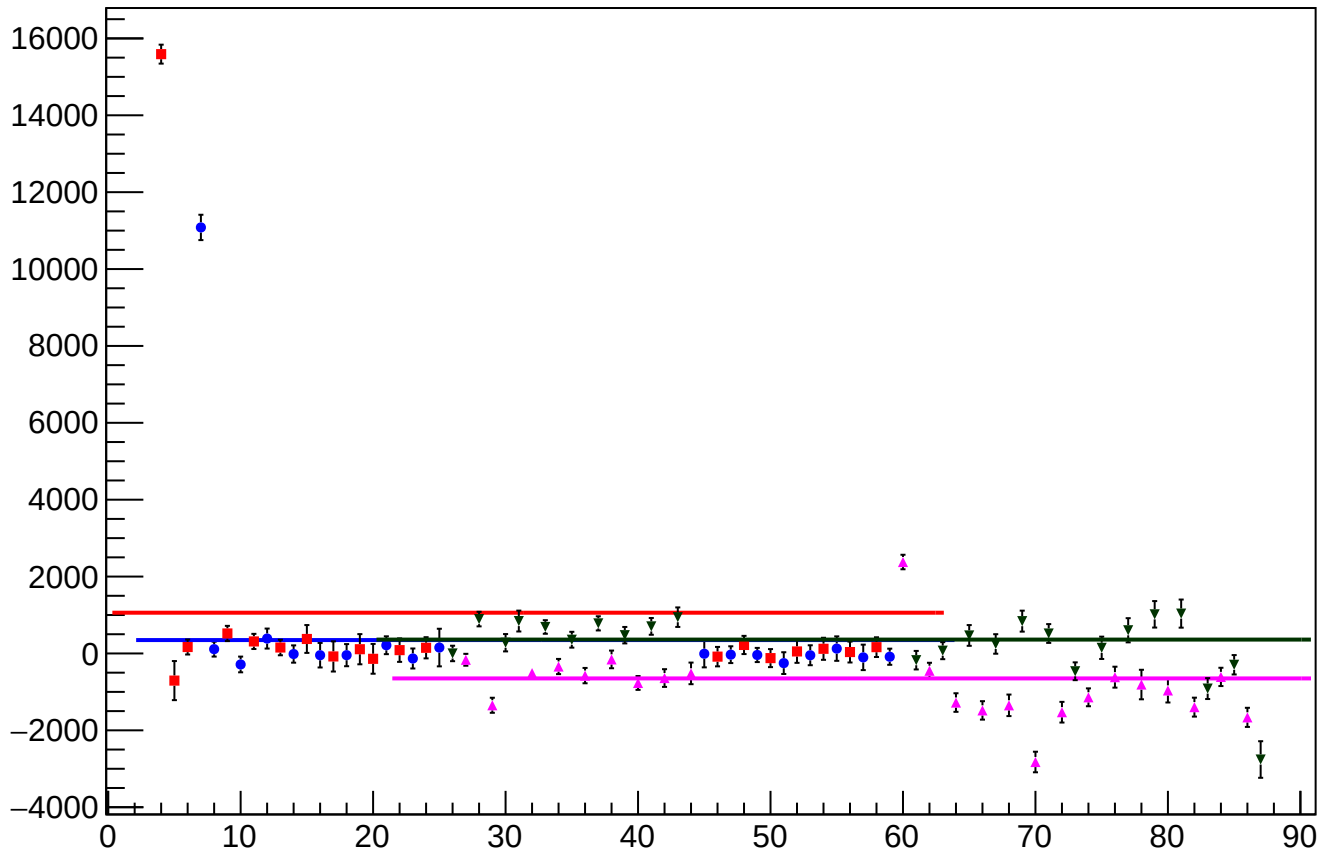
Right Out: 333.230 $\pm$ 0.077 χ^2 /NDF: 768934.3/18

Left In: 286.107 $\pm$ 0.058 χ^2 /NDF: 951317.7/22

315.463 $\pm$ 0.047 χ^2 /NDF: 1981155.0/41

302.990 $\pm$ 0.046 χ^2 /NDF: 1960361.2/41

asym_bpm0l01WS_mean vs slug



Right In: 348.196+/-59.644 χ^2/NDF : 1103.2/17

Left Out: 360.726+/-49.007 χ^2/NDF : 134.2/23

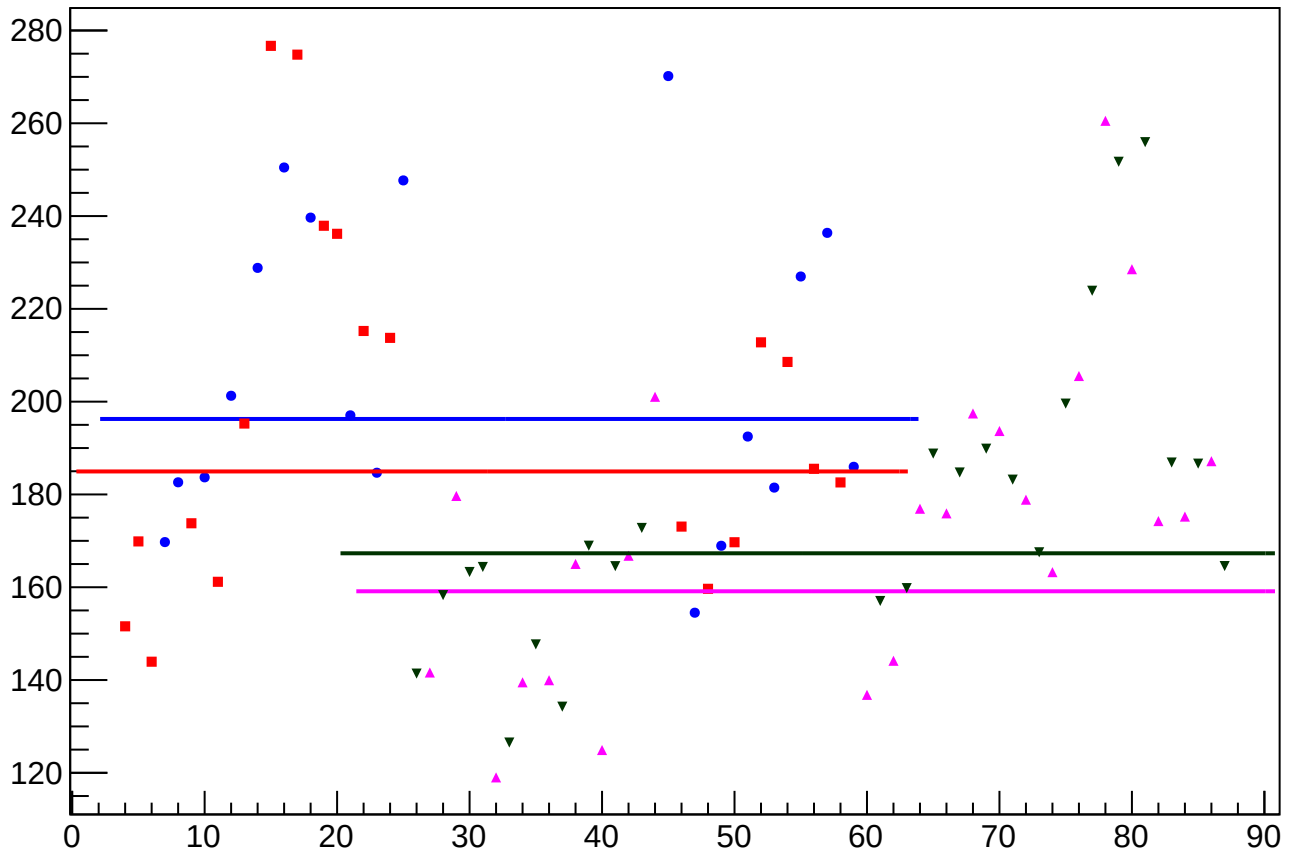
355.676+/-37.865 χ^2/NDF : 1237.4/41

Right Out: 1059.962+/-60.034 χ^2/NDF : 3708.7/18

-29.826+/-36.148 χ^2/NDF : 4648.5/41

Left In: -649.663+/-45.276 χ^2/NDF : 422.8/22

asym_bpm0l01WS_rms vs slug



Right In: 196.269 ± 0.042 $\chi^2/\text{NDF}: 466122.9/17$

Left Out: 167.317 ± 0.035 $\chi^2/\text{NDF}: 628265.8/23$

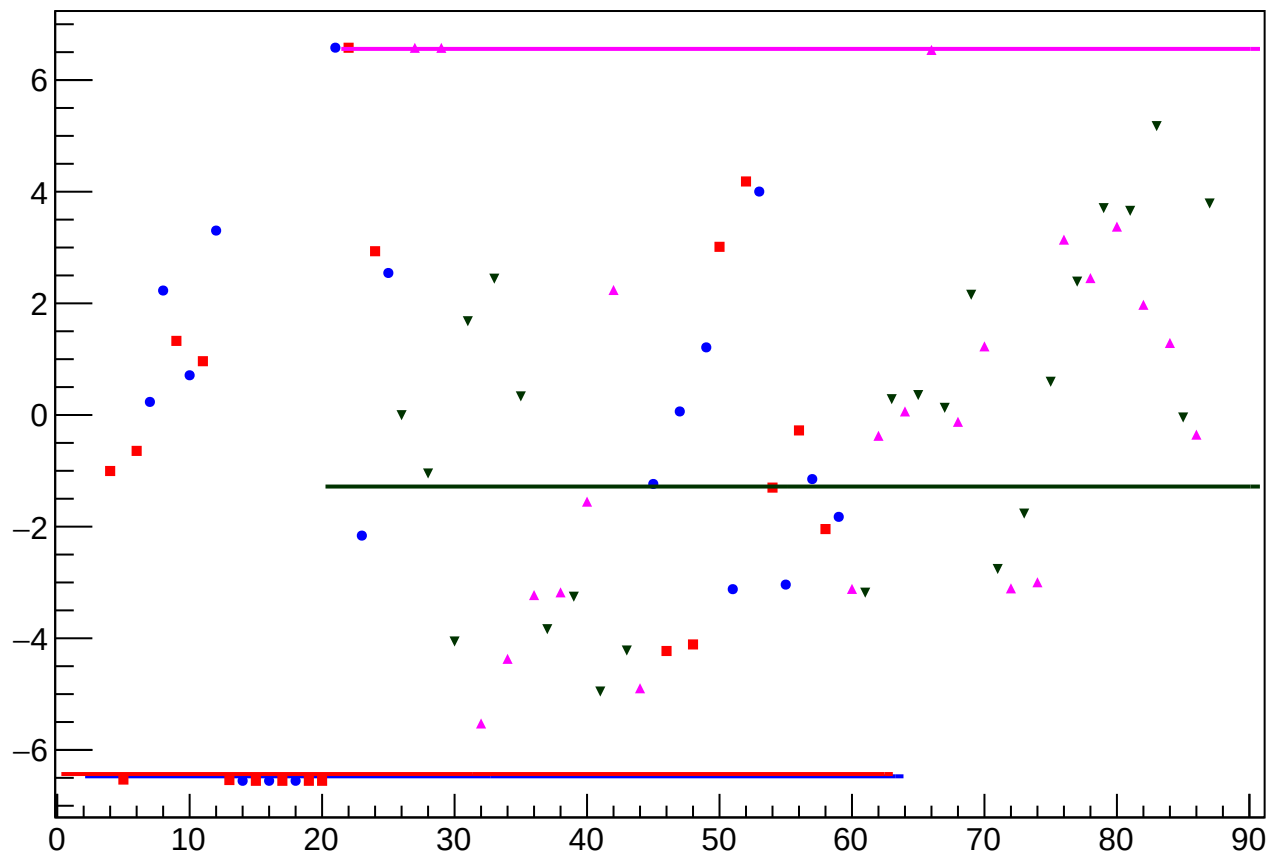
Right Out: 184.956 ± 0.042 $\chi^2/\text{NDF}: 580645.4/18$

Left In: 159.129 ± 0.032 $\chi^2/\text{NDF}: 885713.1/22$

178.985 ± 0.027 $\chi^2/\text{NDF}: 1375711.1/41$

168.493 ± 0.026 $\chi^2/\text{NDF}: 1702319.4/41$

yield_cav4bX_mean vs slug



Right In: -6.473+/-0.000 χ^2/NDF : 127847949322838.5/17

Left Out: -1.282+/-0.000 χ^2/NDF : 63975281.7/23

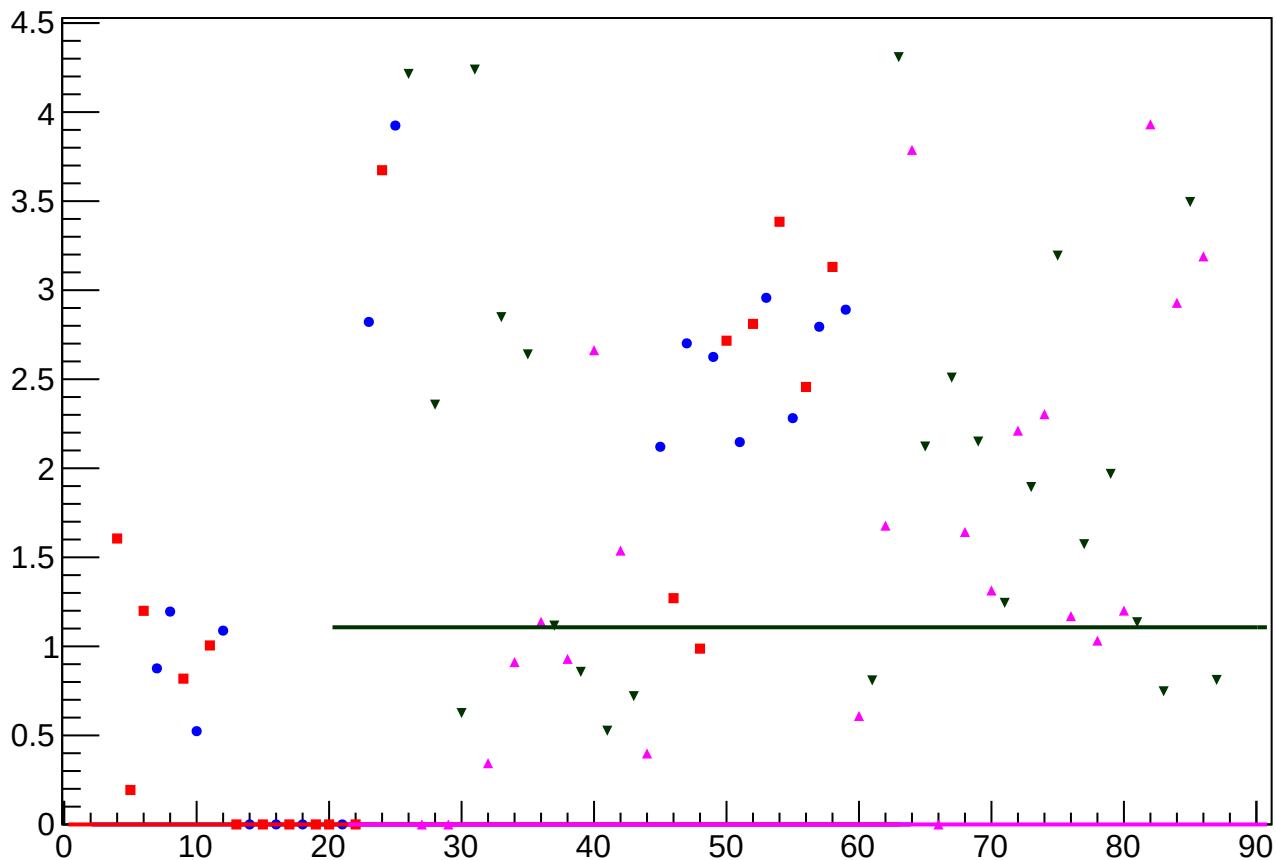
Right Out: -6.432+/-0.000 χ^2/NDF : 150837619676093.8/18

Left In: 6.558+/-0.000 χ^2/NDF : 1591210421.2/22

-6.473+/-0.000 χ^2/NDF : 127848148758335.9/4

-6.196+/-0.000 χ^2/NDF : 446402763362543.1/4

yield_cav4bX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 11913804.6/17

Left Out: 1.107+/-0.000 χ^2/NDF : 5416813.7/23

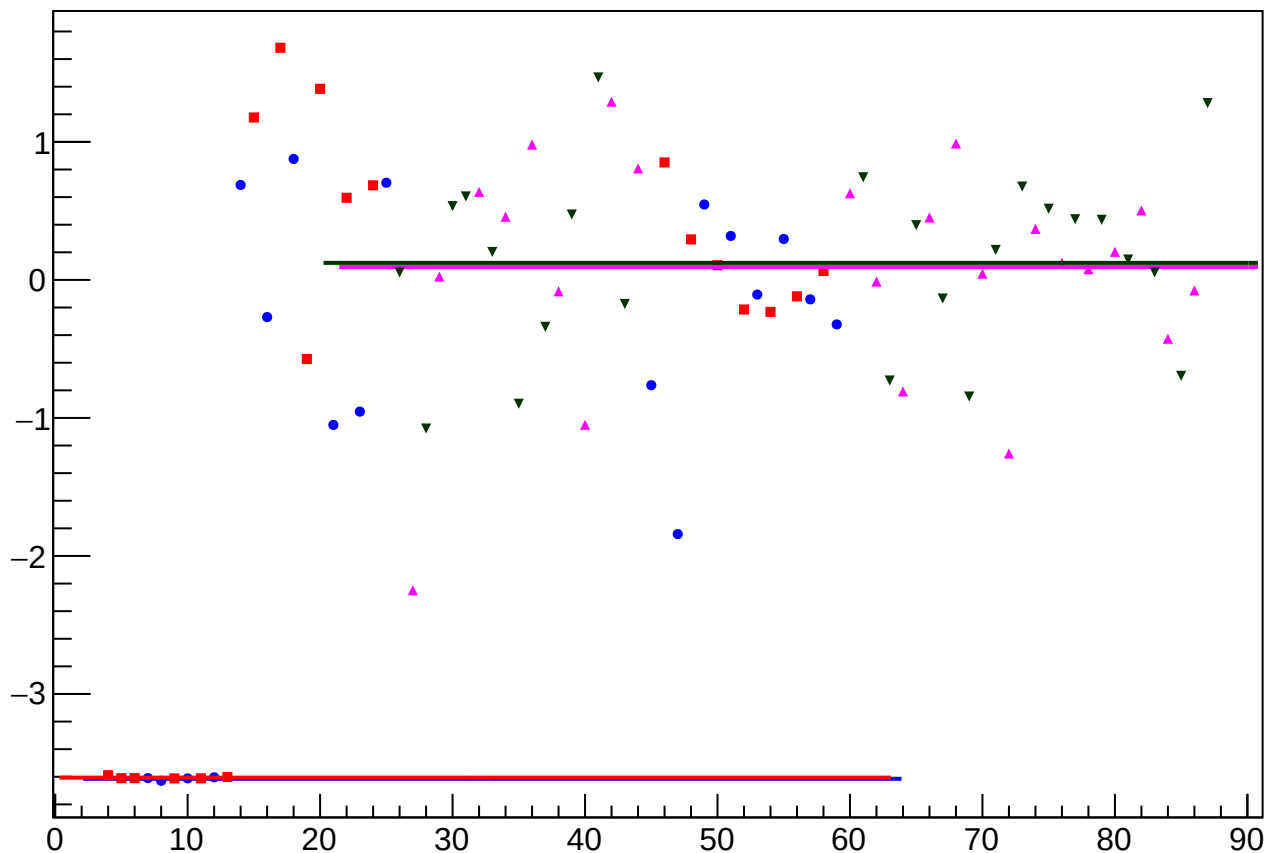
Right Out: 0.000+/-0.000 χ^2/NDF : 9626570.5/18

Left In: 0.000+/-0.000 χ^2/NDF : 15292100.4/22

0.000+/-0.000 χ^2/NDF : 29652780.0/41

0.000+/-0.000 χ^2/NDF : 24918764.1/41

yield_cav4bY_mean vs slug



Right In: -3.614+/-0.000 χ^2/NDF : 49086055221.8/17

Left Out: 0.123+/-0.000 χ^2/NDF :11081144.1/23

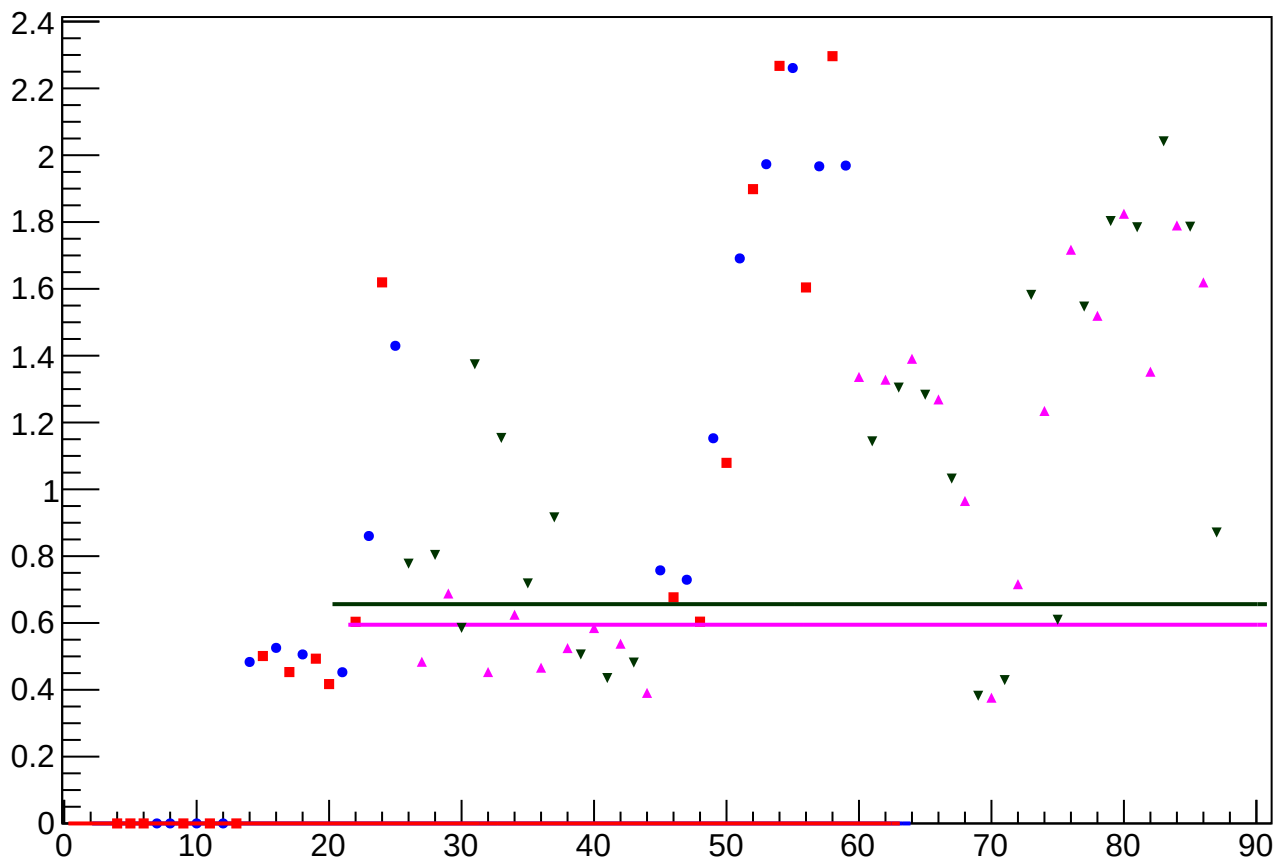
Right Out: -3.606+/-0.000 χ^2/NDF : 37792758949.6/18

Left In: 0.093+/-0.000 χ^2/NDF :21959872.0/22

-3.614+/-0.000 χ^2/NDF : 49345908563.4/41

-3.606+/-0.000 χ^2/NDF : 38128788210.6/41

yield_cav4bY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 13780215.8/17

Left Out: 0.656+/-0.000 χ^2/NDF :4473769.0/23

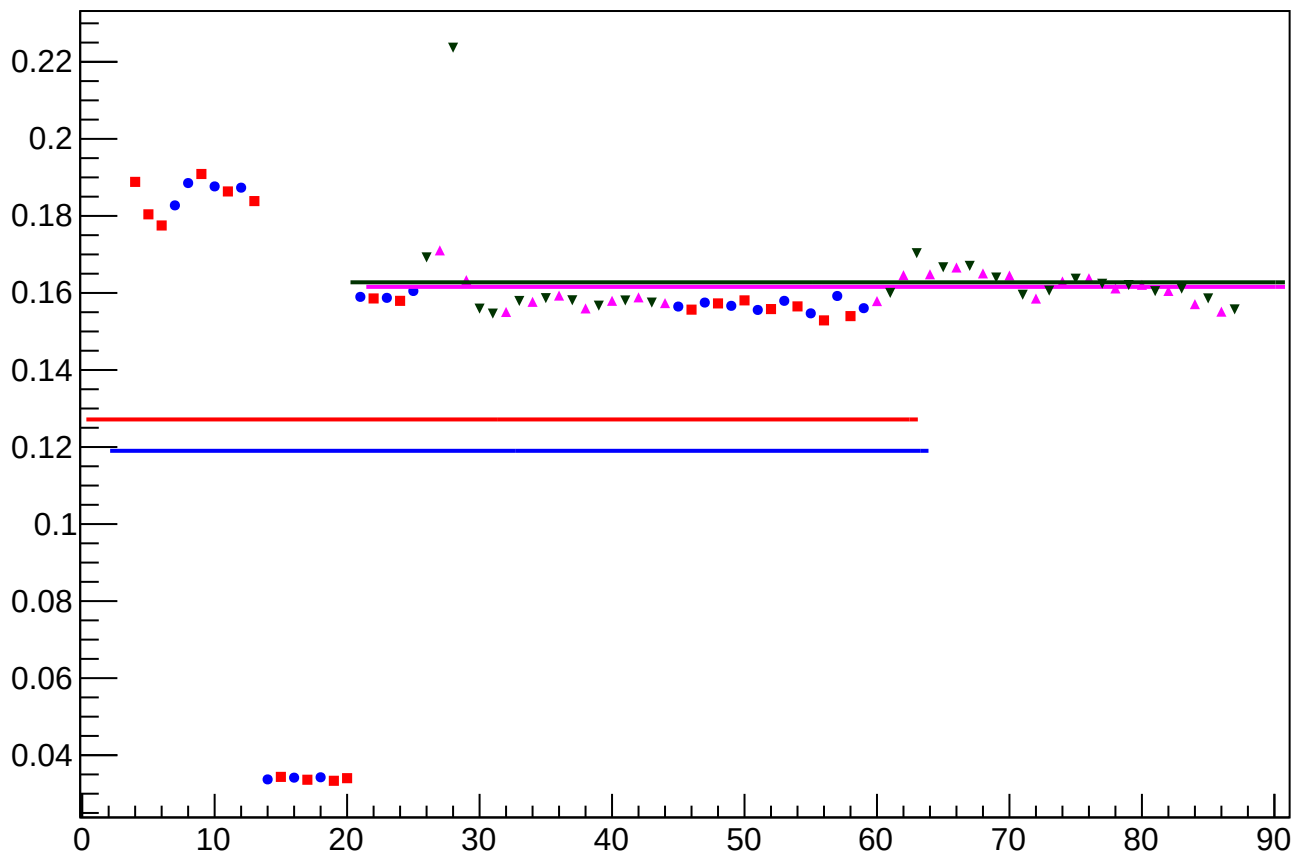
Right Out: 0.000+/-0.000 χ^2/NDF : 10531530.4/18

Left In: 0.595+/-0.000 χ^2/NDF :4883609.6/22

0.000+/-0.000 χ^2/NDF : 33590224.8/41

0.000+/-0.000 χ^2/NDF : 31646668.0/41

yield_cav4cX_mean vs slug



Right In: 0.119+/-0.000 χ^2/NDF : 4974475463.8/17

Left Out: 0.163+/-0.000 χ^2/NDF :103190325.2/23

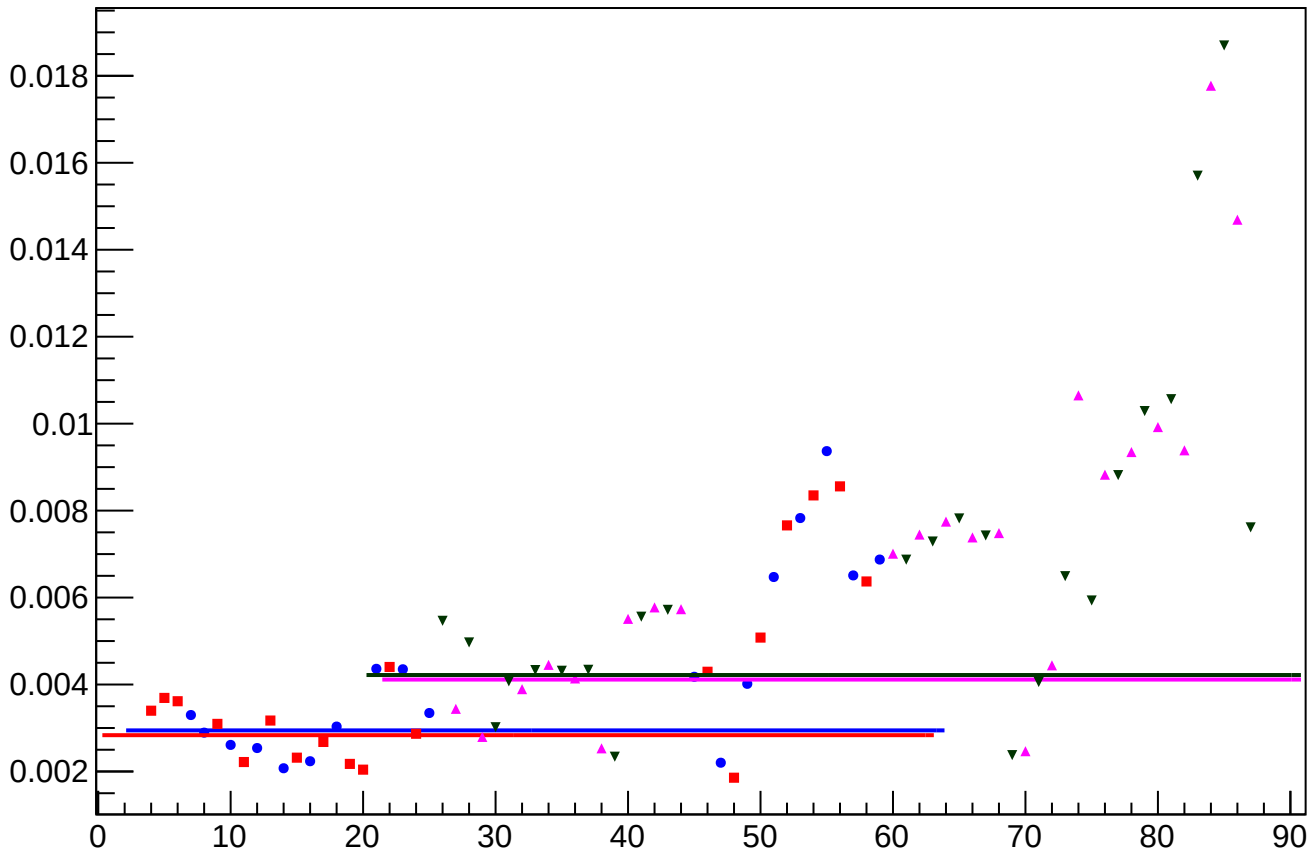
Right Out: 0.127+/-0.000 χ^2/NDF : 4426693928.8/18

Left In: 0.162+/-0.000 χ^2/NDF :13598099.7/22

0.133+/-0.000 χ^2/NDF : 5742067856.0/41

0.140+/-0.000 χ^2/NDF : 4868897428.5/41

yield_cav4cX_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 2985281.5/17

Left Out: 0.004+/-0.000 χ^2/NDF : 4607596.6/23

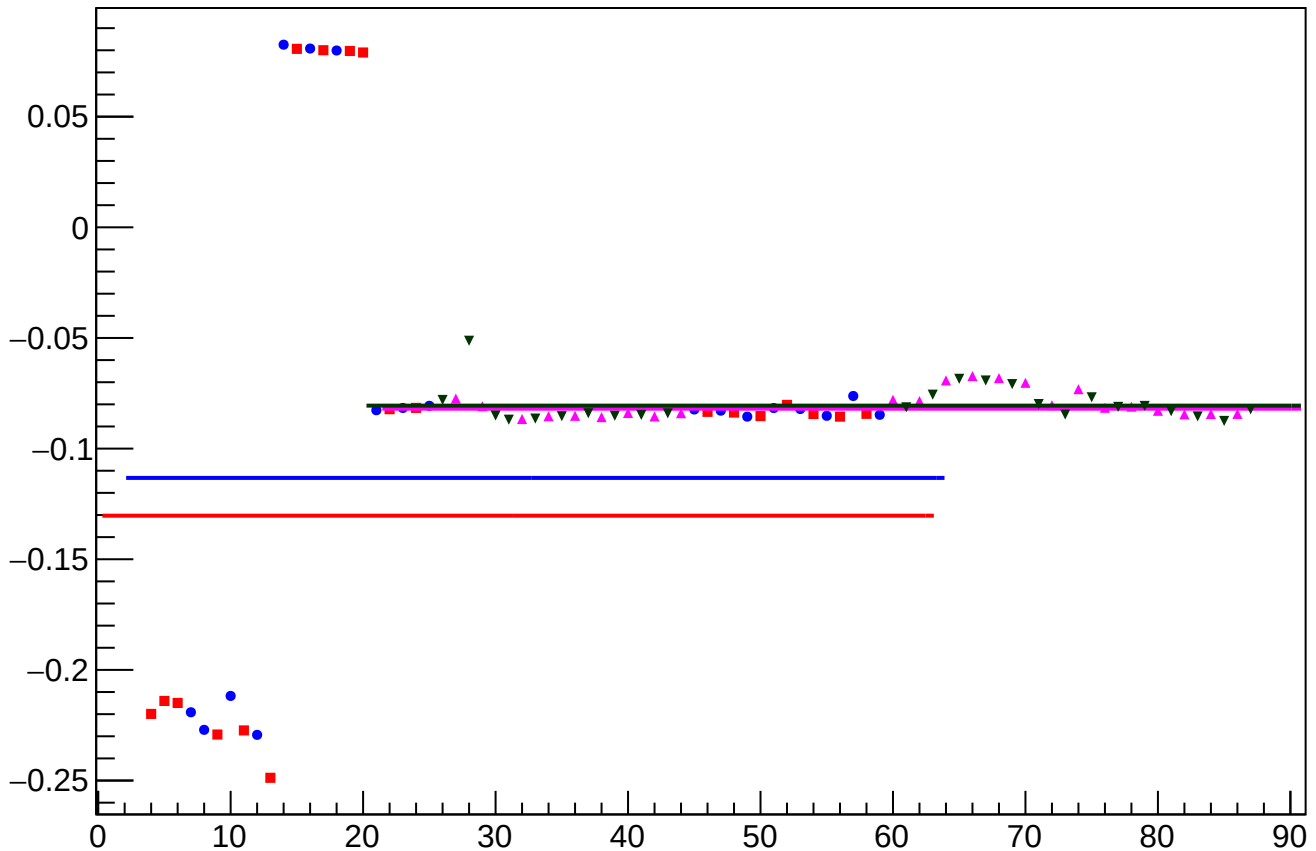
Right Out: 0.003+/-0.000 χ^2/NDF : 2697291.9/18

Left In: 0.004+/-0.000 χ^2/NDF : 5151713.9/22

0.003+/-0.000 χ^2/NDF : 8718720.9/41

0.003+/-0.000 χ^2/NDF : 9032515.4/41

yield_cav4cY_mean vs slug



Right In: -0.113 ± 0.000 χ^2/NDF : 9694608559.9/17

Left Out: -0.081 ± 0.000 χ^2/NDF : 42193894.6/23

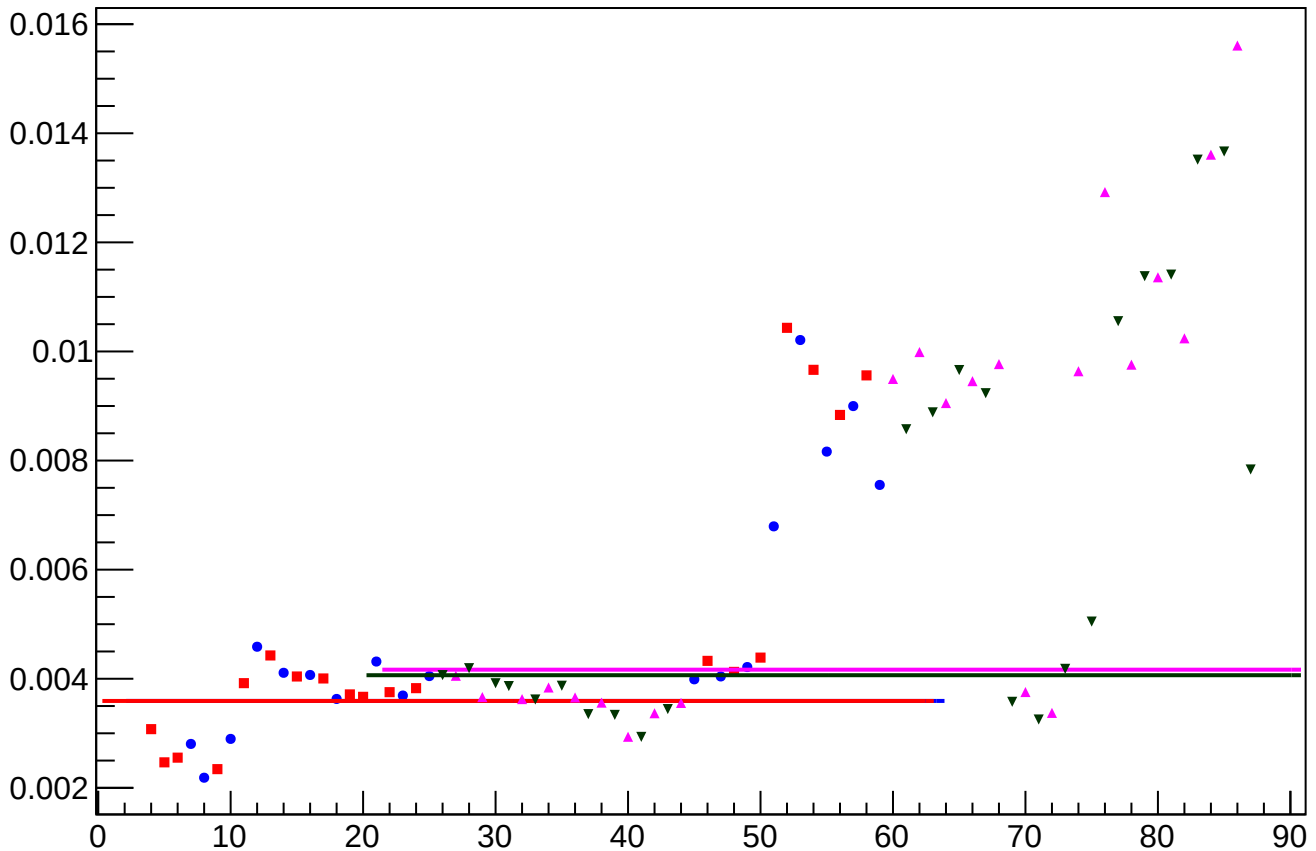
-0.099 ± 0.000 χ^2/NDF : 10076314565.2/41

Right Out: -0.130 ± 0.000 χ^2/NDF : 8867144829.5/18

-0.108 ± 0.000 χ^2/NDF : 9568095162.3/41

Left In: -0.082 ± 0.000 χ^2/NDF : 13412286.0/22

yield_cav4cY_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 2636393.6/17

Left Out: 0.004+/-0.000 χ^2/NDF :3589179.2/23

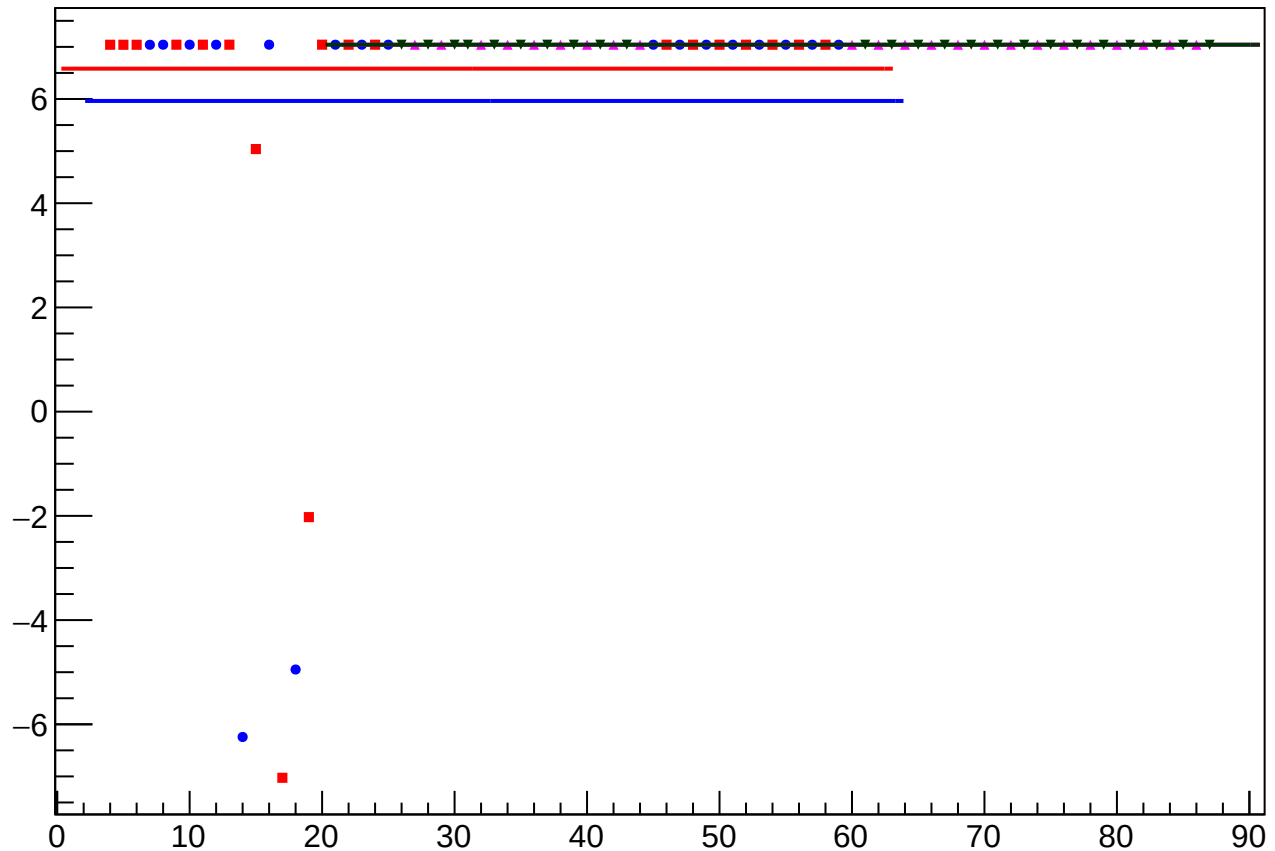
Right Out: 0.004+/-0.000 χ^2/NDF : 2225355.5/18

Left In: 0.004+/-0.000 χ^2/NDF :4445592.0/22

0.004+/-0.000 χ^2/NDF : 6367093.0/41

0.004+/-0.000 χ^2/NDF : 6864258.9/41

yield_cav4dX_mean vs slug



Right In: 5.962 $\pm$ 0.000 χ^2 /NDF: 4616105002600912.0/17

Left Out: 7.042 $\pm$ 0.000 χ^2 /NDF: 46119700.4/23

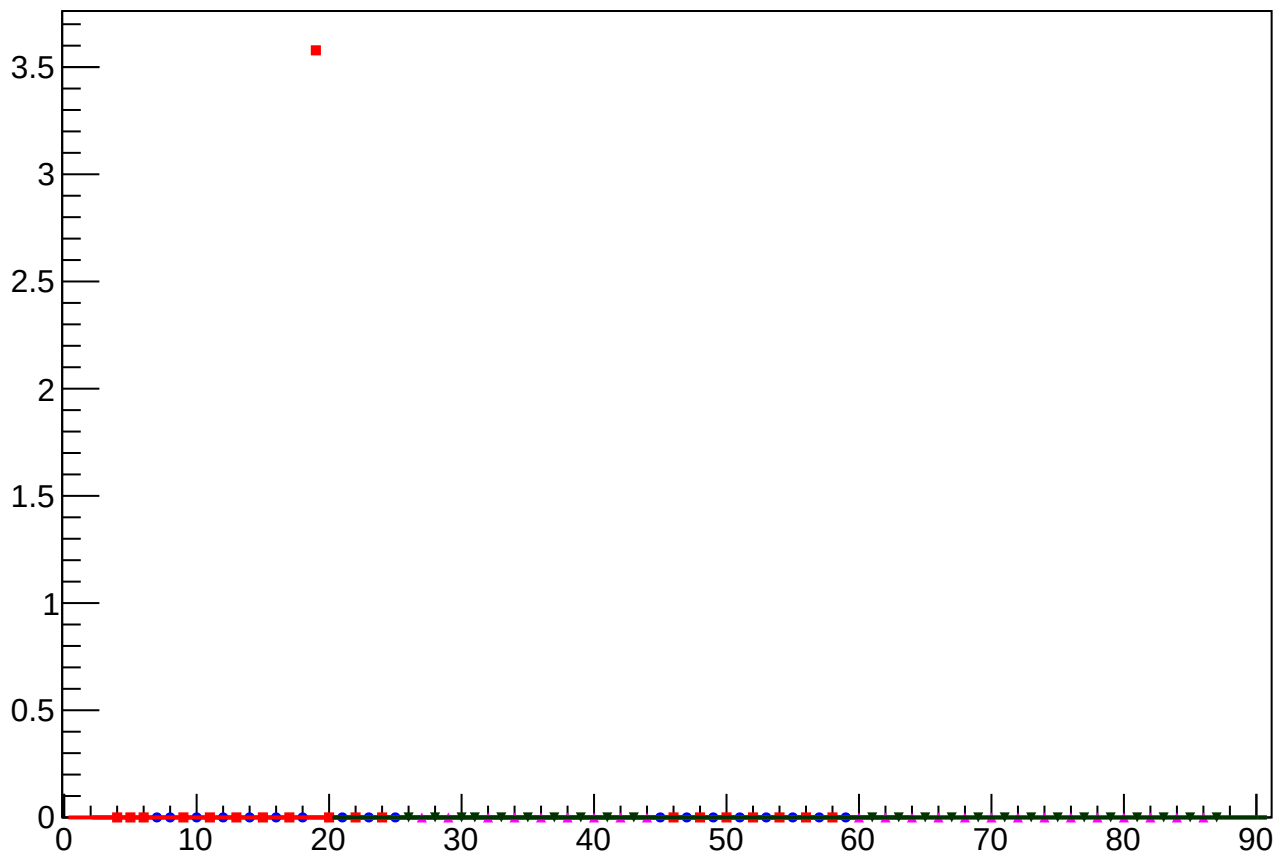
Right Out: 6.582 $\pm$ 0.000 χ^2 /NDF: 1856853993700647.2/18

Left In: 7.042 $\pm$ 0.000 χ^2 /NDF: 43417531.1/22

6.552 $\pm$ 0.000 χ^2 /NDF: 4843510119800719.0/4

6.856 $\pm$ 0.000 χ^2 /NDF: 1895310182818907.0/4

yield_cav4dX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 4282.3/17

Left Out: 0.000+/-0.000 χ^2/NDF : 5495.6/23

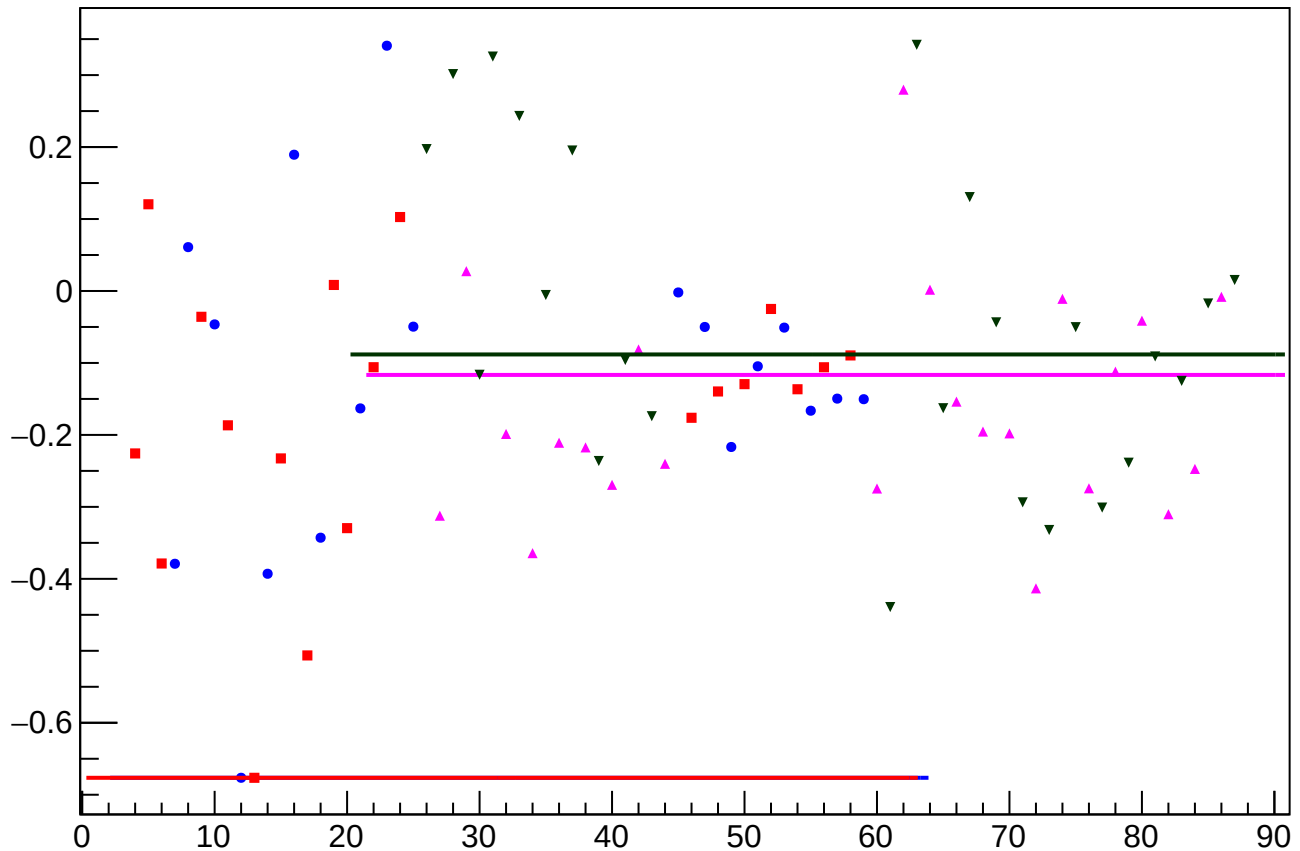
Right Out: 0.000+/-0.000 χ^2/NDF : 697661.6/18

Left In: 0.000+/-0.000 χ^2/NDF : 6243.8/22

0.000+/-0.000 χ^2/NDF : 12630.6/41

0.000+/-0.000 χ^2/NDF : 707993.2/41

yield_cav4dY_mean vs slug



Right In: -0.676 ± 0.000 χ^2/NDF : 266364367.2/17

Left Out: -0.088 ± 0.000 χ^2/NDF : 36878296.8/23

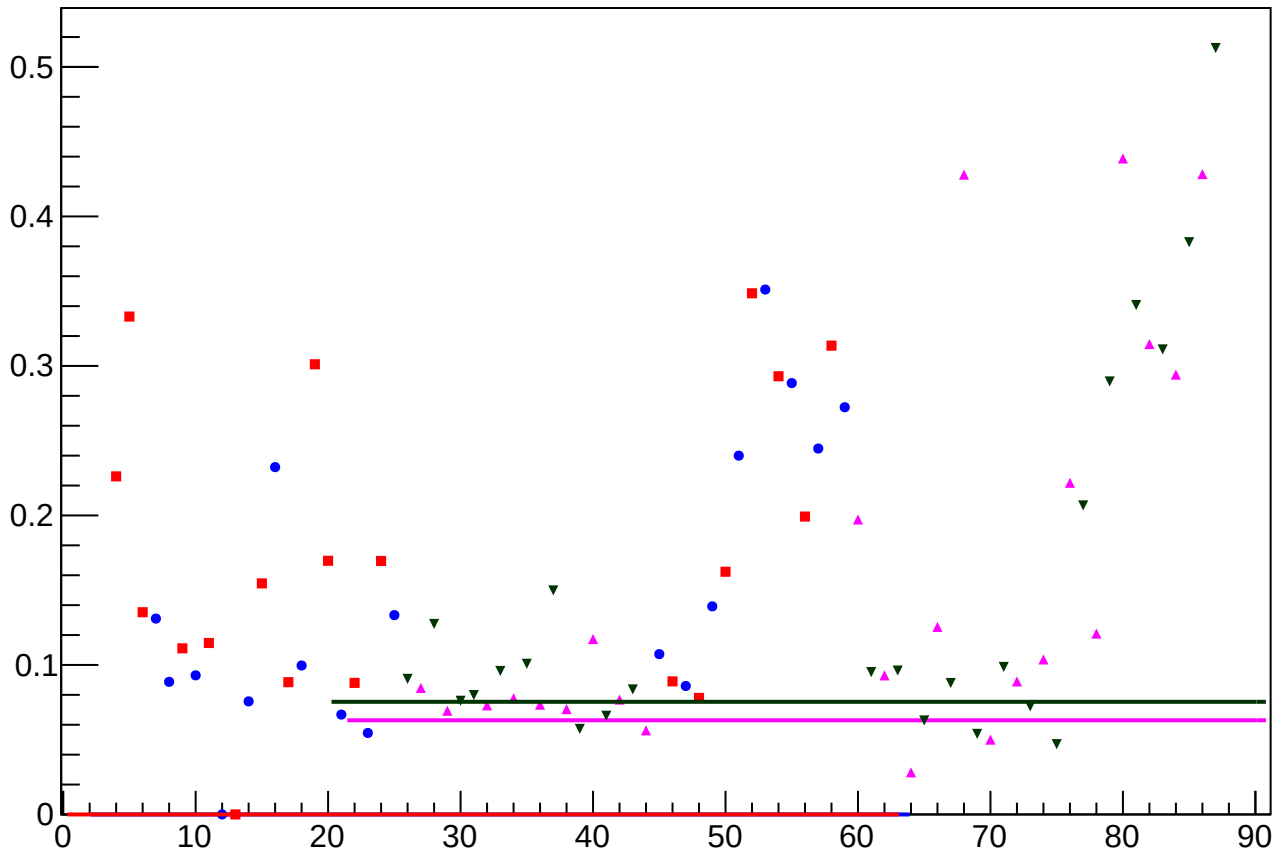
-0.676 ± 0.000 χ^2/NDF : 690395779.4/41

Right Out: -0.676 ± 0.000 χ^2/NDF : 102004552.0/18

-0.676 ± 0.000 χ^2/NDF : 622979454.7/41

Left In: -0.117 ± 0.000 χ^2/NDF : 29853252.1/22

yield_cav4dY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 16187995.6/17

Left Out: 0.075+/-0.000 χ^2/NDF : 3765789.8/23

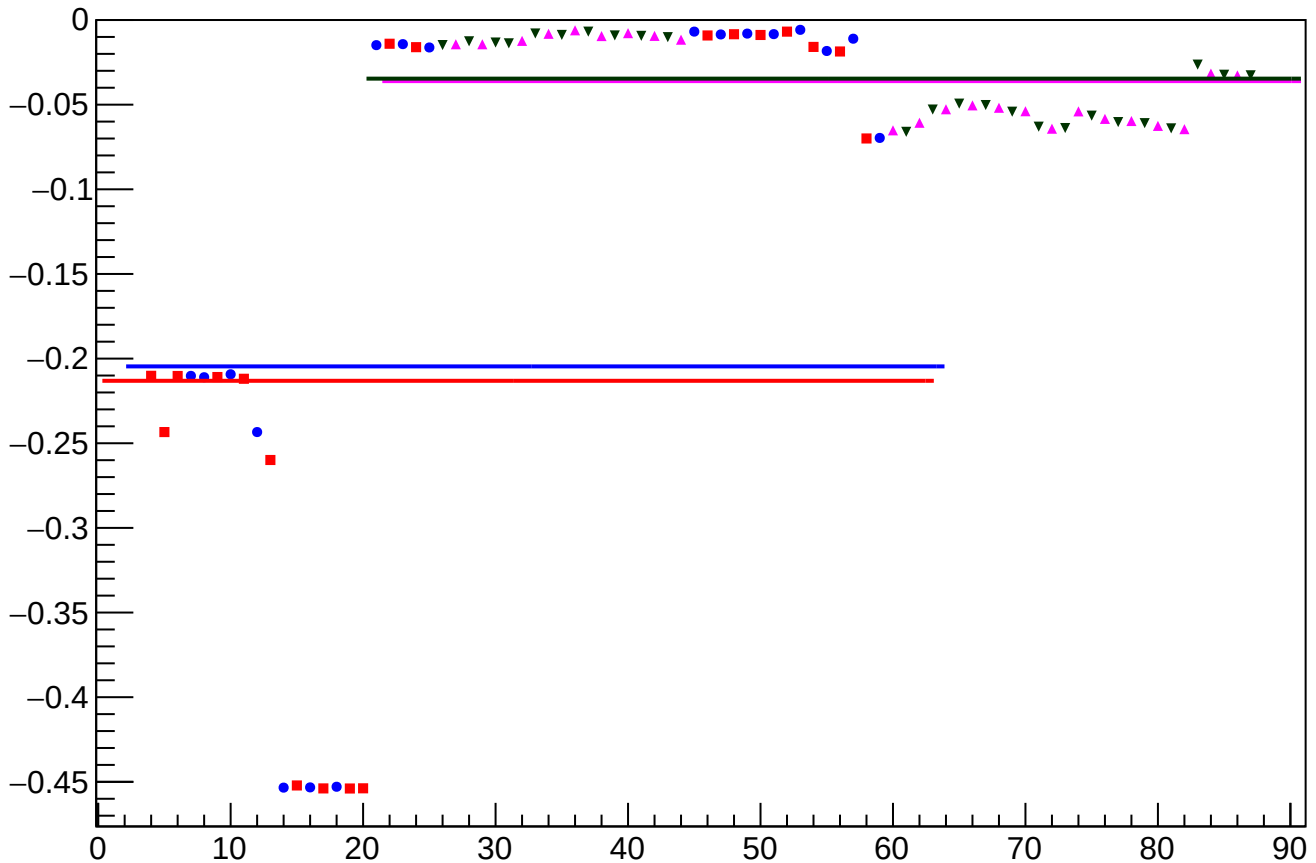
0.000+/-0.000 χ^2/NDF : 32652445.1/41

Right Out: 0.000+/-0.000 χ^2/NDF : 13760955.7/18

0.000+/-0.000 χ^2/NDF : 32583765.9/41

Left In: 0.063+/-0.000 χ^2/NDF : 6392307.4/22

yield_bpm4aX_mean vs slug



Right In: -0.205+/-0.000 χ^2/NDF : 5539981697.6/17

Left Out: -0.035+/-0.000 χ^2/NDF : 68842485.5/23

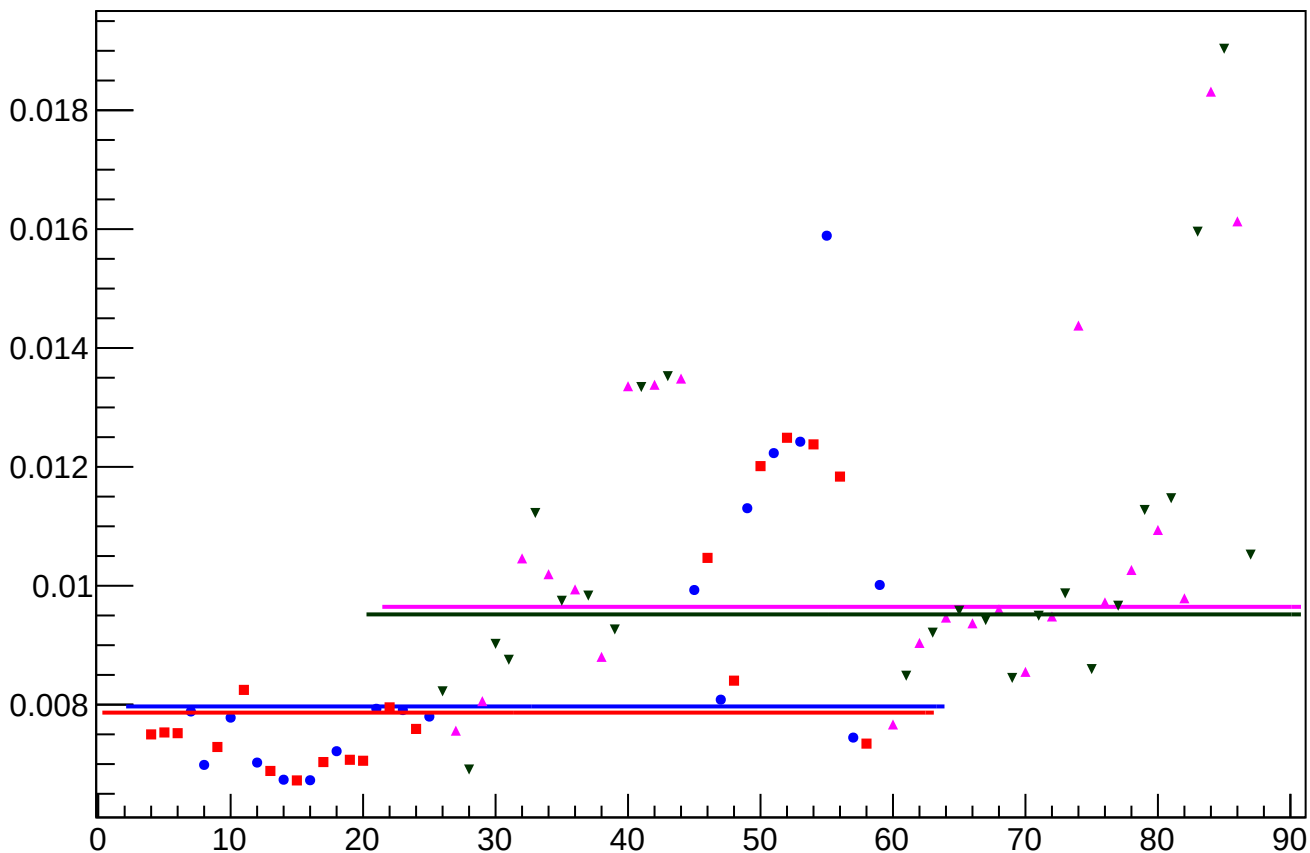
-0.132+/-0.000 χ^2/NDF : 7680514604.8/41

Right Out: -0.213+/-0.000 χ^2/NDF : 4142455601.5/18

-0.132+/-0.000 χ^2/NDF : 6416460059.6/41

Left In: -0.036+/-0.000 χ^2/NDF : 70953983.1/22

yield_bpm4aX_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 943742.9/17

Left Out: 0.010+/-0.000 χ^2/NDF : 938236.6/23

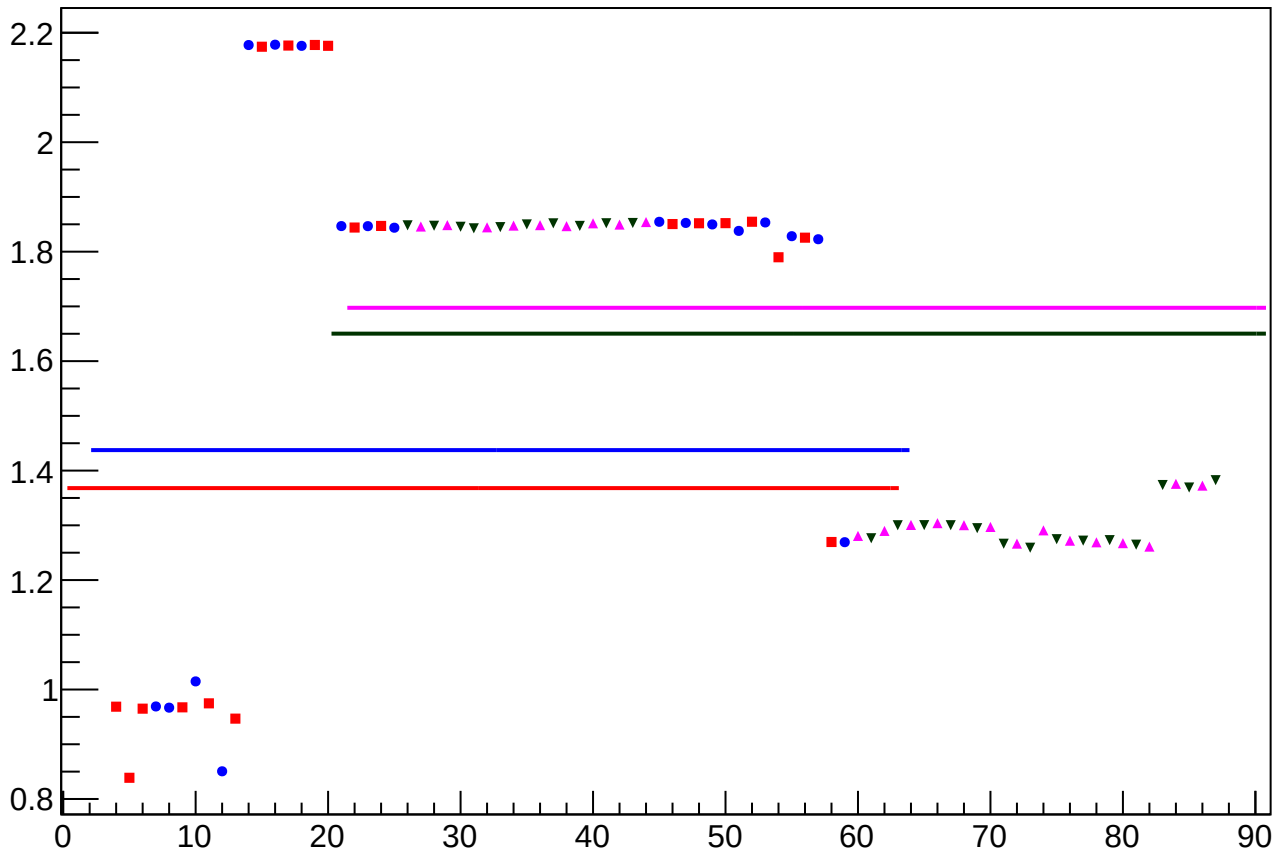
Right Out: 0.008+/-0.000 χ^2/NDF : 696189.4/18

Left In: 0.010+/-0.000 χ^2/NDF : 1070111.5/22

0.009+/-0.000 χ^2/NDF : 2225868.4/41

0.009+/-0.000 χ^2/NDF : 2211630.2/41

yield_bpm4aY_mean vs slug



Right In: 1.437+/-0.000 χ^2/NDF : 14236590294.3/17

Left Out: 1.650+/-0.000 χ^2/NDF : 3136783003.3/23

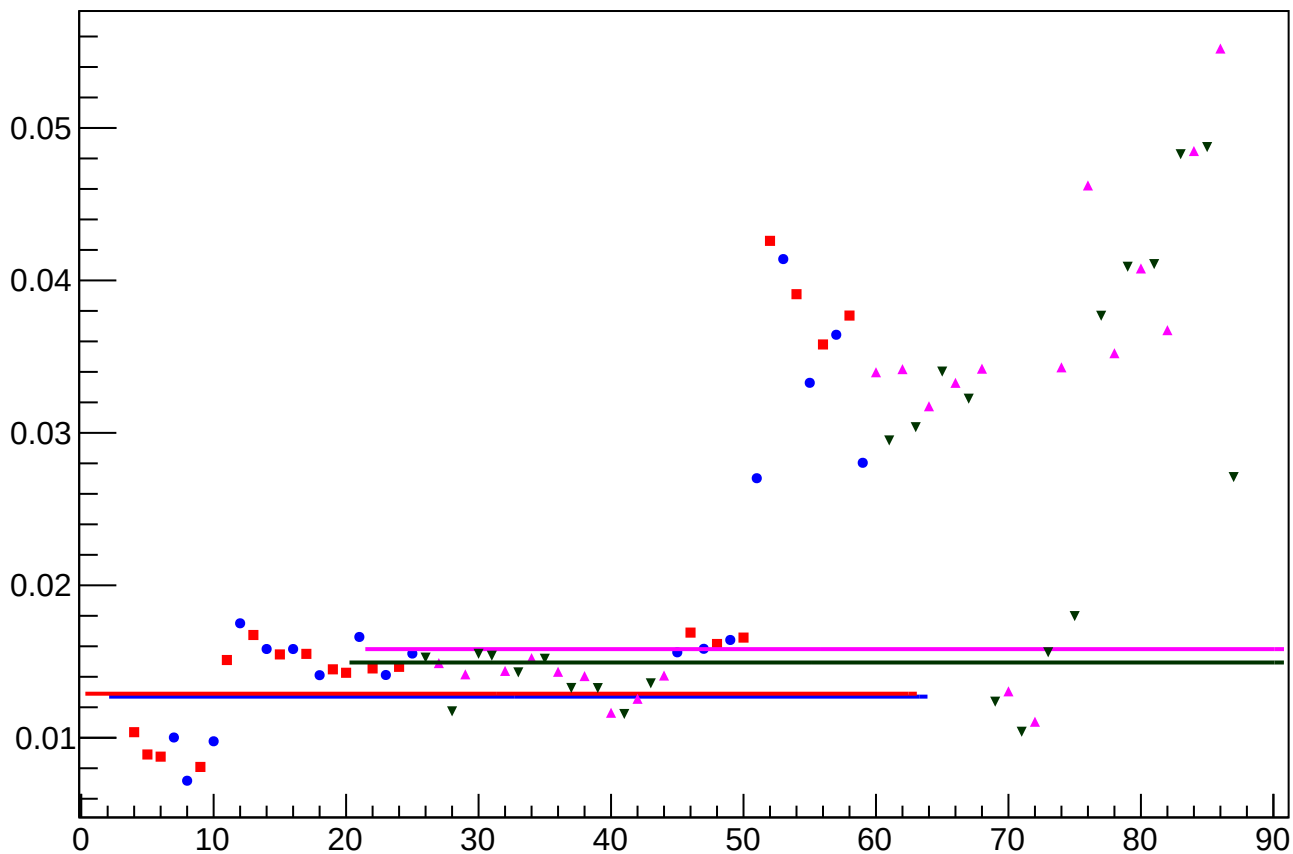
1.531+/-0.000 χ^2/NDF : 18456424774.7/41

Right Out: 1.368+/-0.000 χ^2/NDF : 12592500418.8/18

1.515+/-0.000 χ^2/NDF : 17339728743.1/41

Left In: 1.697+/-0.000 χ^2/NDF : 2414554898.0/22

yield_bpm4aY_rms vs slug



Right In: 0.013+/-0.000 χ^2/NDF : 3534875.5/17

Left Out: 0.015+/-0.000 χ^2/NDF : 3503010.2/23

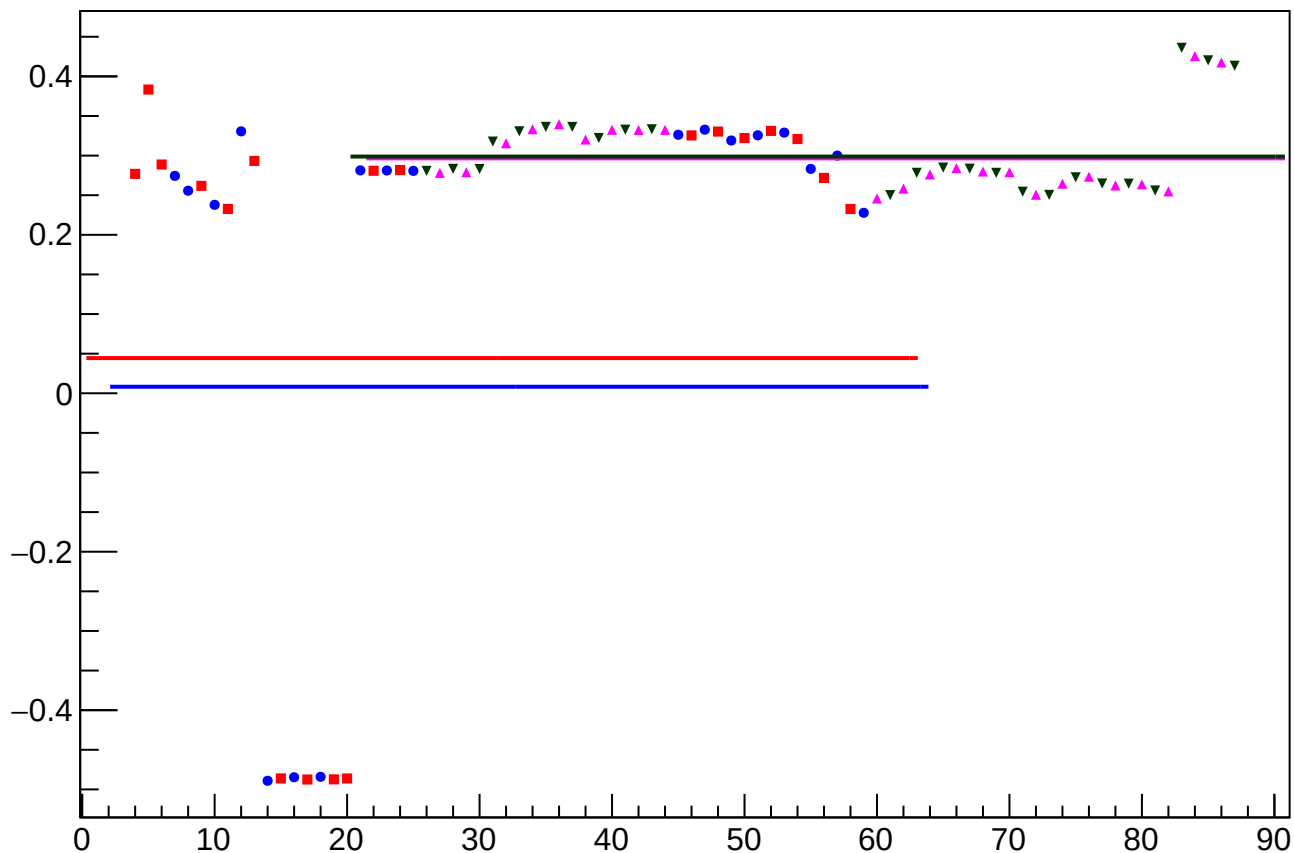
Right Out: 0.013+/-0.000 χ^2/NDF : 2814614.5/18

Left In: 0.016+/-0.000 χ^2/NDF : 4156140.4/22

0.014+/-0.000 χ^2/NDF : 7277679.7/41

0.014+/-0.000 χ^2/NDF : 7338215.1/41

yield_bpm4eX_mean vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 3589016563.4/17

Left Out: 0.299+/-0.000 χ^2/NDF : 17065572.5/23

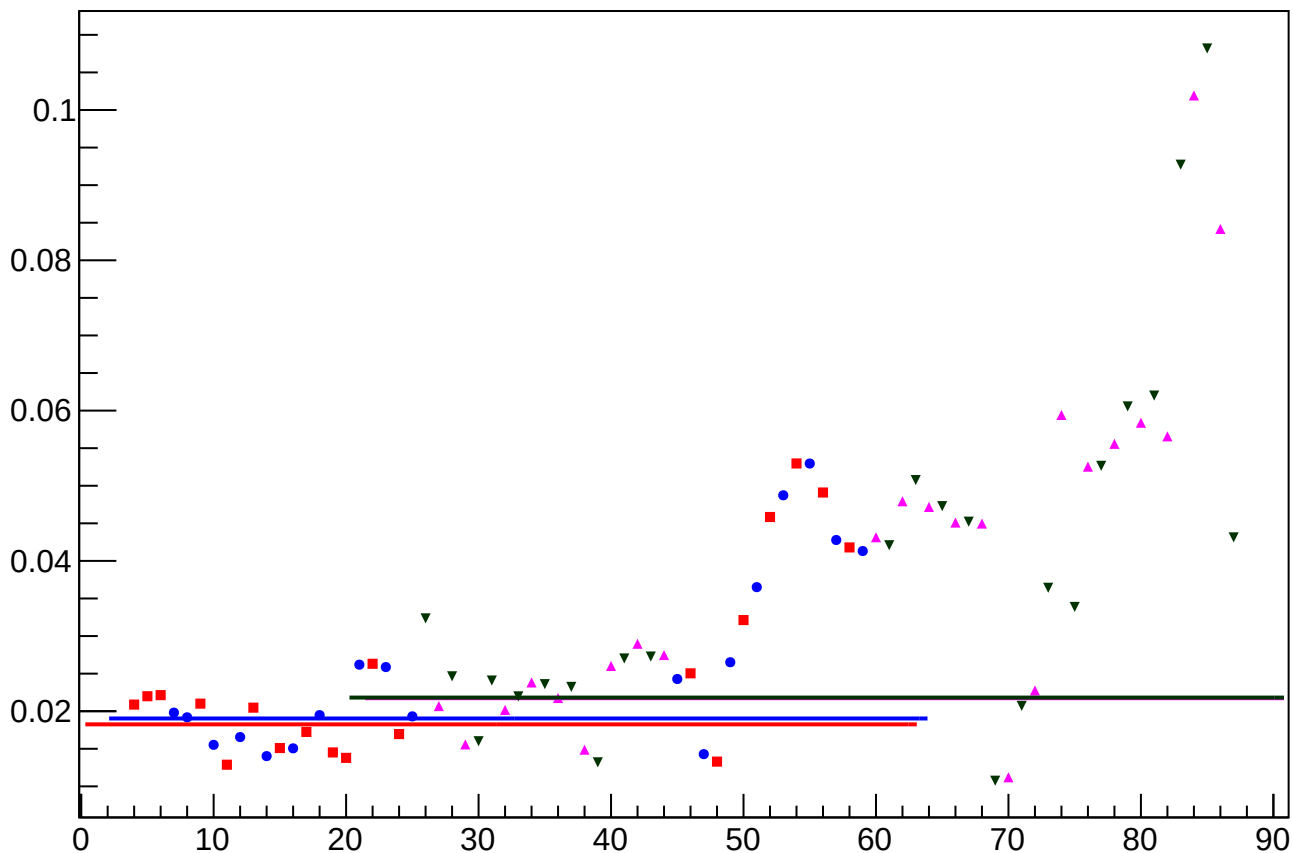
Right Out: 0.044+/-0.000 χ^2/NDF : 3156873410.8/18

Left In: 0.297+/-0.000 χ^2/NDF : 15718798.1/22

0.130+/-0.000 χ^2/NDF : 4514272205.4/41

0.155+/-0.000 χ^2/NDF : 3866131942.7/41

yield_bpm4eX_rms vs slug



Right In: 0.019+/-0.000 χ^2/NDF : 2594784.8/17

Left Out: 0.022+/-0.000 χ^2/NDF :5456380.0/23

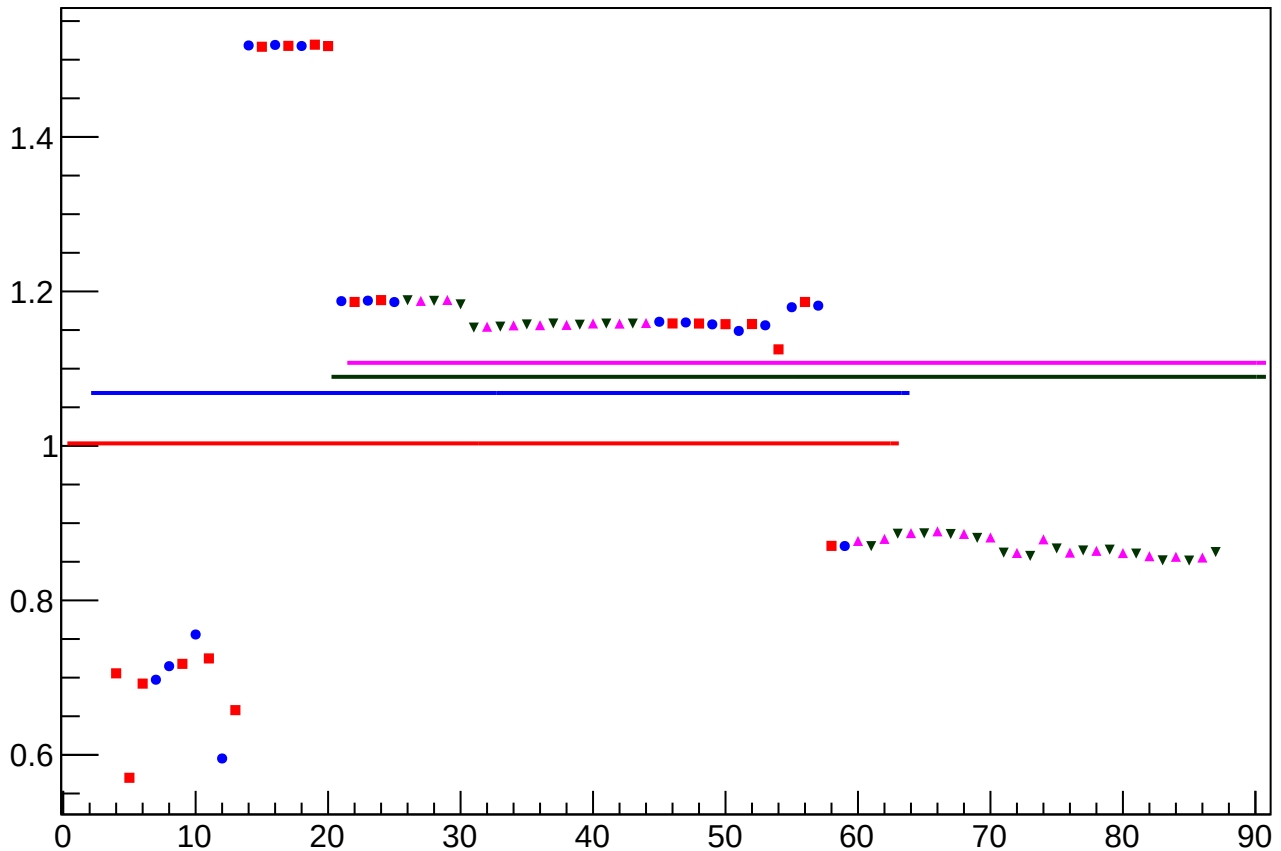
Right Out: 0.018+/-0.000 χ^2/NDF : 2485378.5/18

Left In: 0.022+/-0.000 χ^2/NDF :5821559.2/22

0.020+/-0.000 χ^2/NDF : 8217621.8/41

0.020+/-0.000 χ^2/NDF : 8571174.0/41

yield_bpm4eY_mean vs slug



Right In: 1.069+/-0.000 χ^2/NDF : 10548206682.3/17

Left Out: 1.089+/-0.000 χ^2/NDF :1539354260.1/23

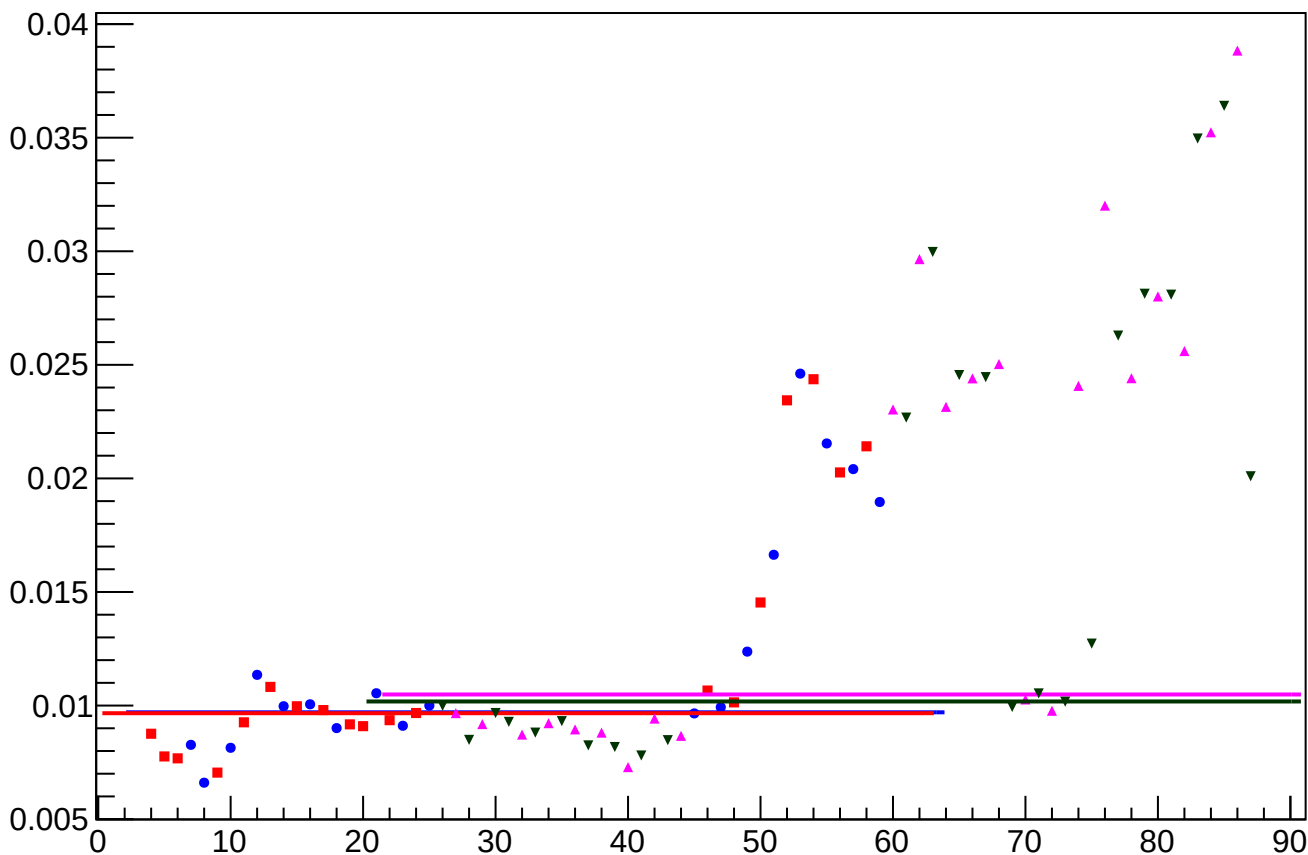
1.078+/-0.000 χ^2/NDF : 12108566447.0/41

Right Out: 1.003+/-0.000 χ^2/NDF : 10291656361.5/18

1.054+/-0.000 χ^2/NDF : 11951709337.5/41

Left In: 1.108+/-0.000 χ^2/NDF :1177362886.7/22

yield_bpm4eY_rms vs slug



Right In: 0.010+/-0.000 χ^2/NDF : 1905622.6/17

Left Out: 0.010+/-0.000 χ^2/NDF : 3751765.5/23

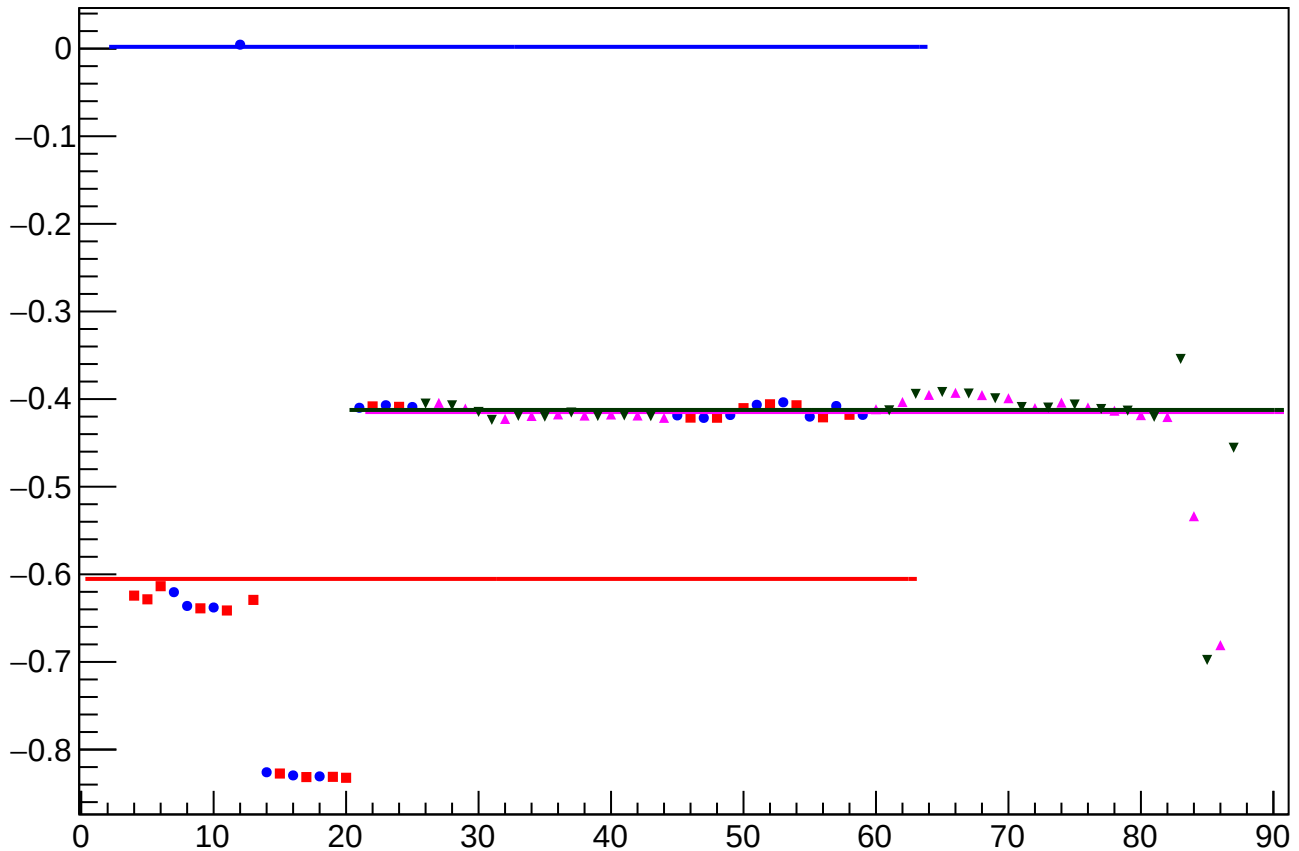
Right Out: 0.010+/-0.000 χ^2/NDF : 1597012.3/18

Left In: 0.010+/-0.000 χ^2/NDF : 4513867.9/22

0.010+/-0.000 χ^2/NDF : 5679262.7/41

0.010+/-0.000 χ^2/NDF : 6171228.7/41

yield_bpm4acX_mean vs slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 59749781854.5/17

Left Out: -0.412 $\pm$ 0.000 χ^2 /NDF: 140932673.2/23

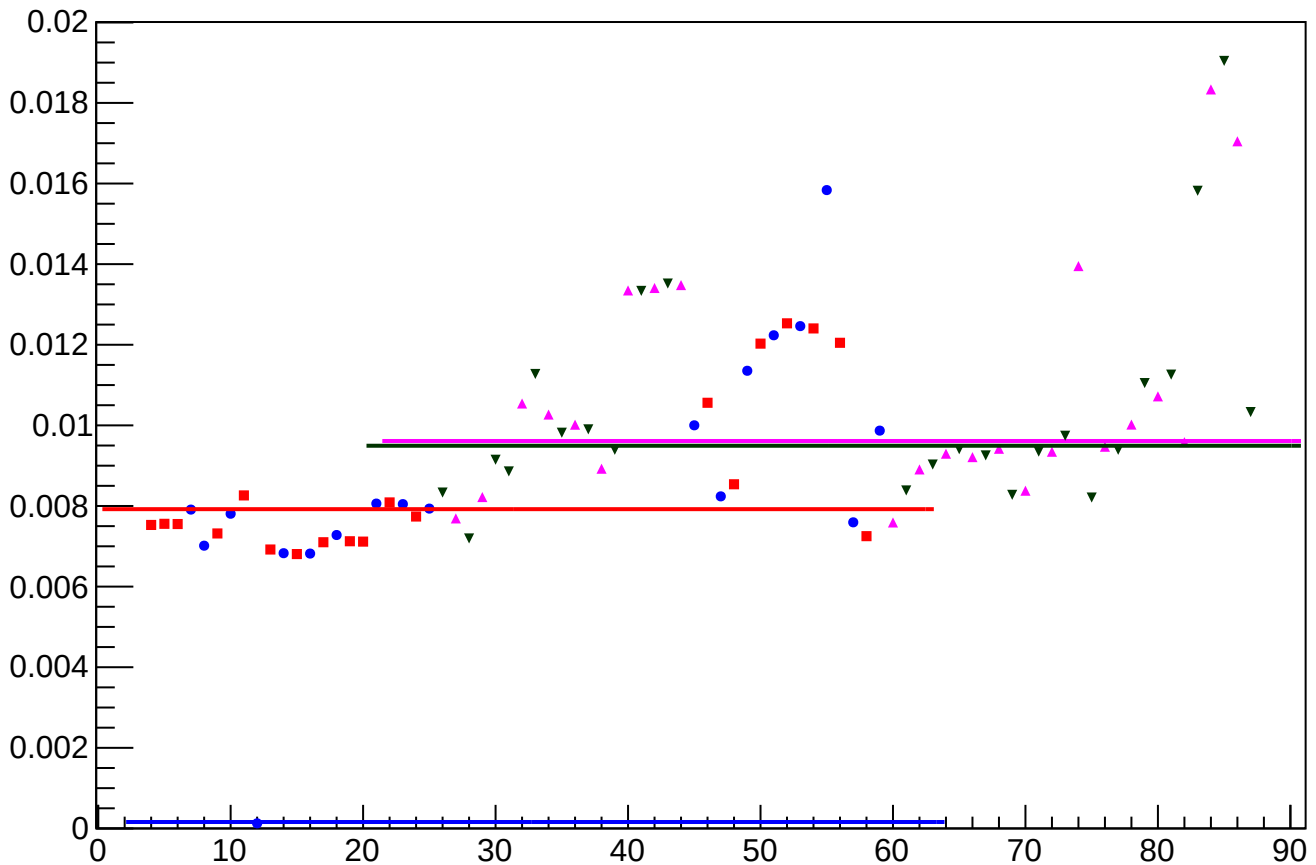
0.001 $\pm$ 0.000 χ^2 /NDF: 81557855396.6/41

Right Out: -0.605 $\pm$ 0.000 χ^2 /NDF: 3819629229.5/18

-0.517 $\pm$ 0.000 χ^2 /NDF: 6525514358.4/41

Left In: -0.415 $\pm$ 0.000 χ^2 /NDF: 163485196.9/22

yield_bpm4acX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 20262517.7/17

Left Out: 0.009+/-0.000 χ^2/NDF : 891634.5/23

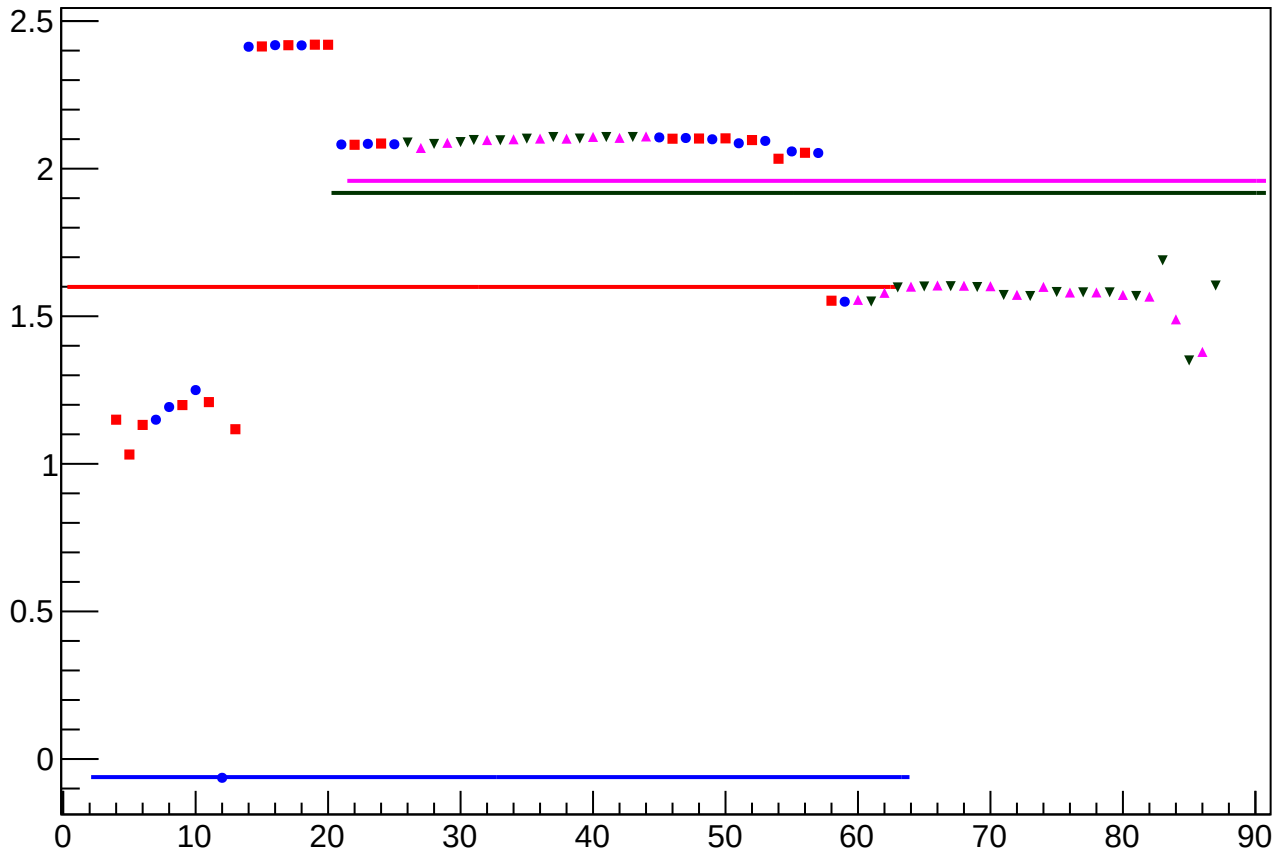
Right Out: 0.008+/-0.000 χ^2/NDF : 697414.3/18

Left In: 0.010+/-0.000 χ^2/NDF : 1067720.7/22

0.000+/-0.000 χ^2/NDF : 43138364.2/41

0.009+/-0.000 χ^2/NDF : 2166265.0/41

yield_bpm4acY_mean vs slug



Right In: -0.061+/-0.000 χ^2/NDF : 171003968524.2/17

Left Out: 1.918+/-0.000 χ^2/NDF : 2539951572.7/23

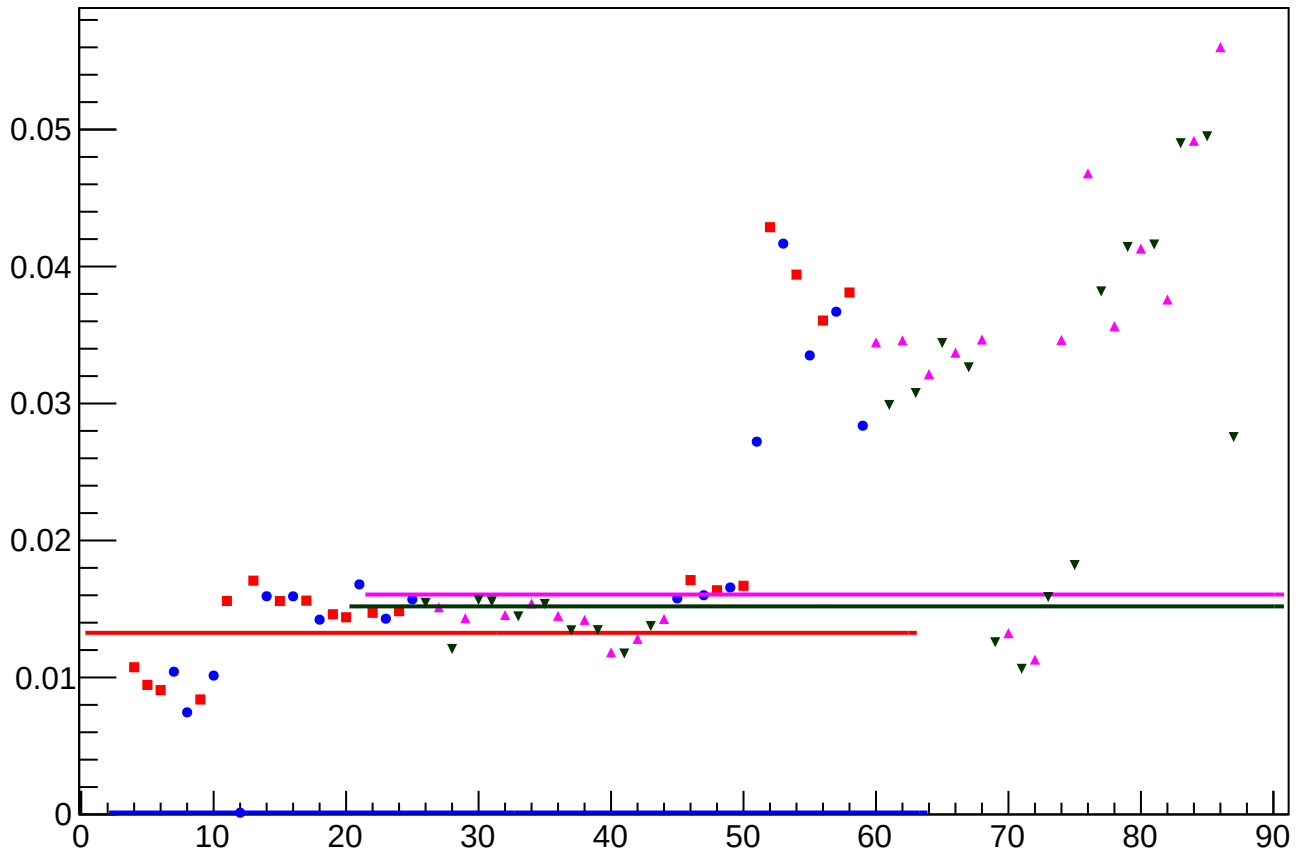
-0.059+/-0.000 χ^2/NDF : 334734749171.8/41

Right Out: 1.599+/-0.000 χ^2/NDF : 13096029057.2/18

1.761+/-0.000 χ^2/NDF : 17734762328.4/41

Left In: 1.959+/-0.000 χ^2/NDF : 1970624613.5/22

yield_bpm4acY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 19632783.5/17

Left Out: 0.015+/-0.000 χ^2/NDF : 3475005.2/23

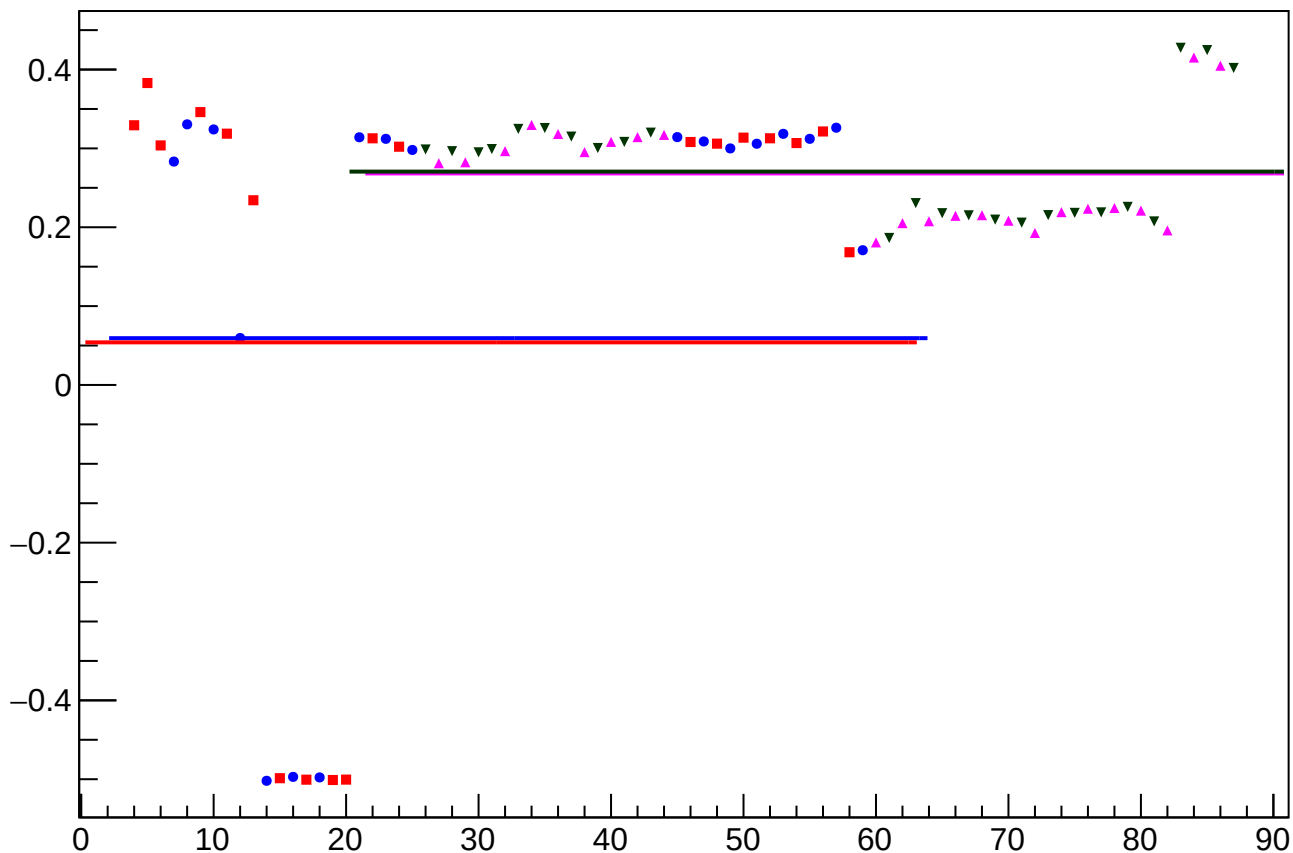
0.000+/-0.000 χ^2/NDF : 41742532.5/41

Right Out: 0.013+/-0.000 χ^2/NDF : 2690130.8/18

0.015+/-0.000 χ^2/NDF : 7150634.6/41

Left In: 0.016+/-0.000 χ^2/NDF : 4137220.2/22

yield_bpm4ecX_mean vs slug



Right In: 0.059+/-0.000 χ^2/NDF : 3888801914.2/17

Left Out: 0.271+/-0.000 χ^2/NDF : 44402048.8/23

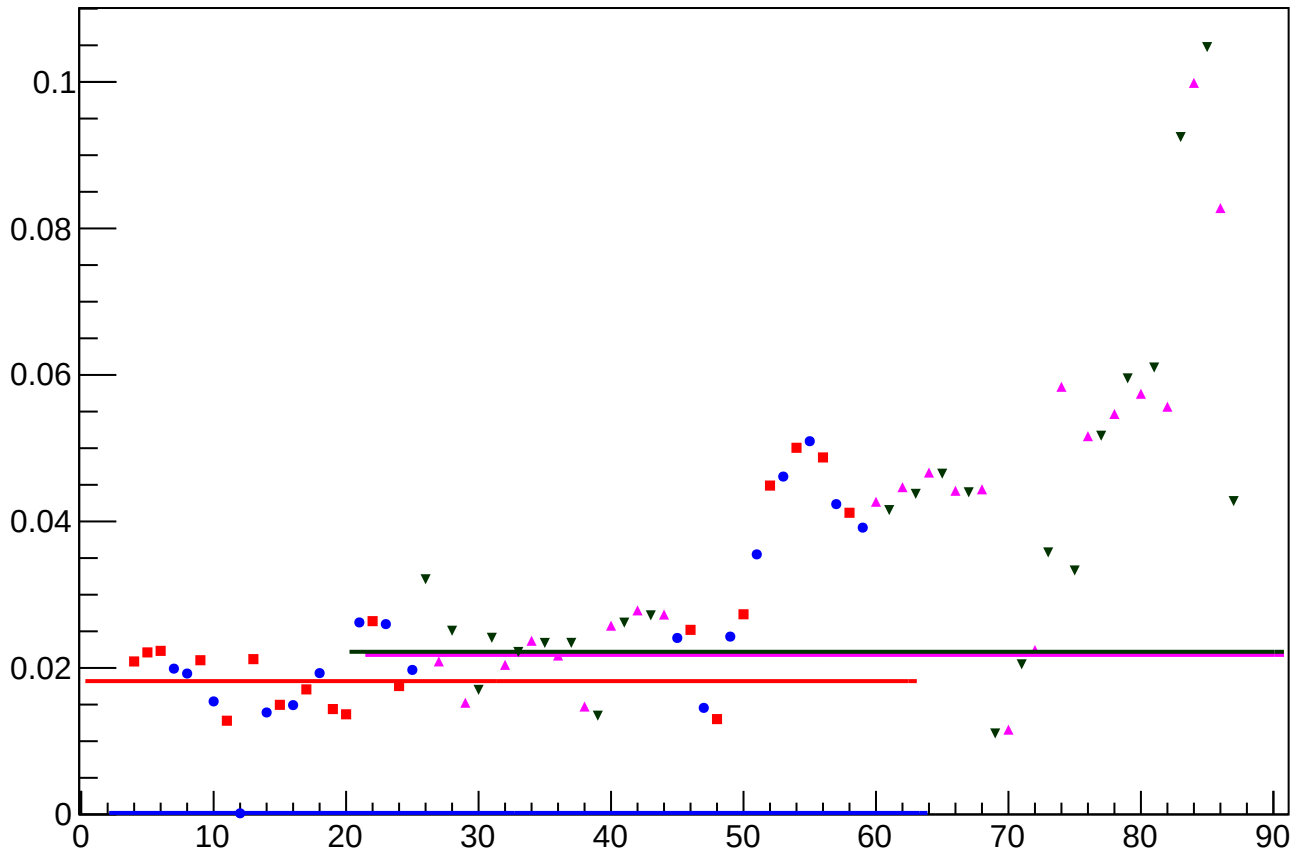
Right Out: 0.054+/-0.000 χ^2/NDF : 3509628523.3/18

Left In: 0.268+/-0.000 χ^2/NDF : 41411039.6/22

0.060+/-0.000 χ^2/NDF : 4743108590.5/41

0.148+/-0.000 χ^2/NDF : 4056442290.0/41

yield_bpm4ecX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 19749394.2/17

Left Out: 0.022+/-0.000 χ^2/NDF : 5104502.0/23

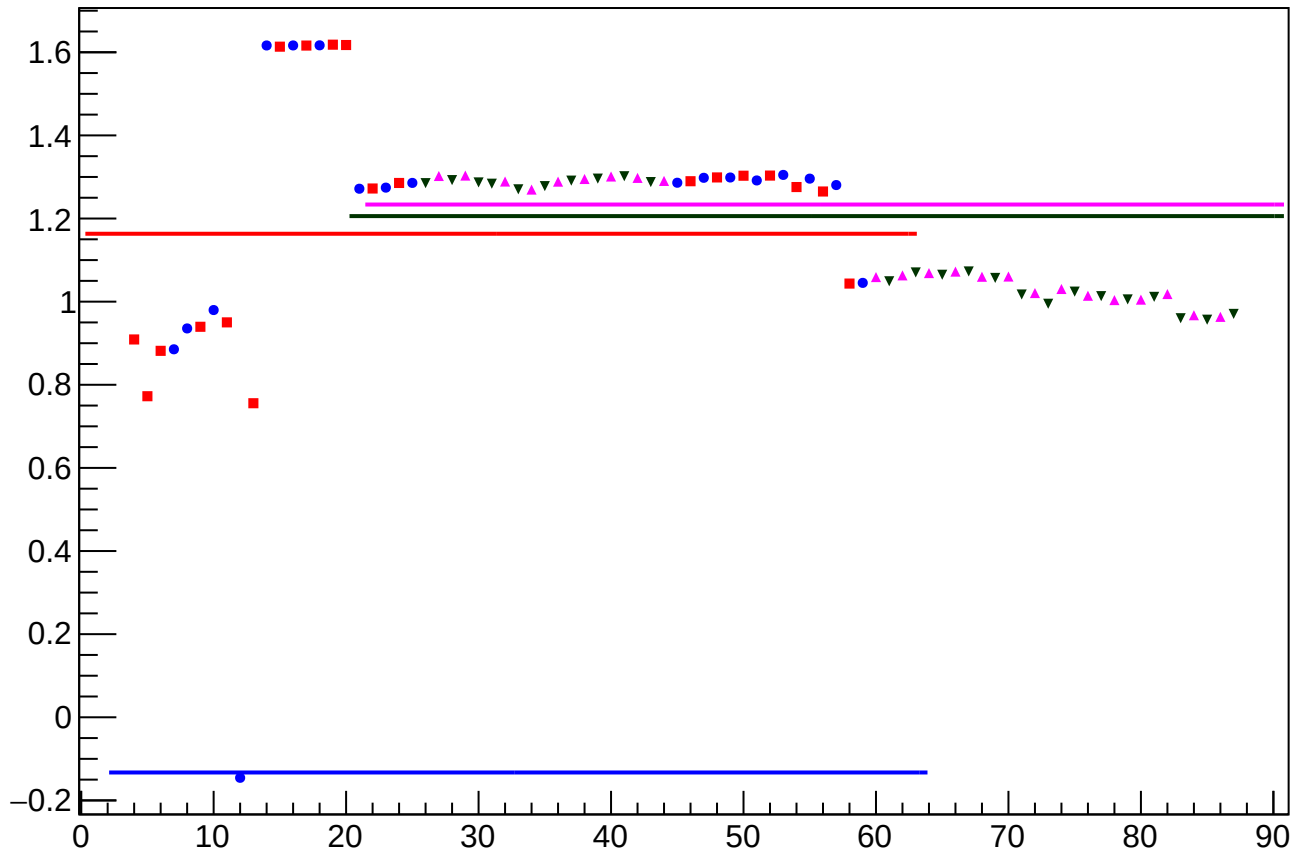
Right Out: 0.018+/-0.000 χ^2/NDF : 2422437.2/18

Left In: 0.022+/-0.000 χ^2/NDF : 5641734.9/22

0.000+/-0.000 χ^2/NDF : 42417242.7/41

0.020+/-0.000 χ^2/NDF : 8346139.6/41

yield_bpm4ecY_mean vs slug



Right In: -0.133+/-0.000 χ^2/NDF : 169320914657.8/17

Left Out: 1.206+/-0.000 χ^2/NDF : 1120529604.2/23

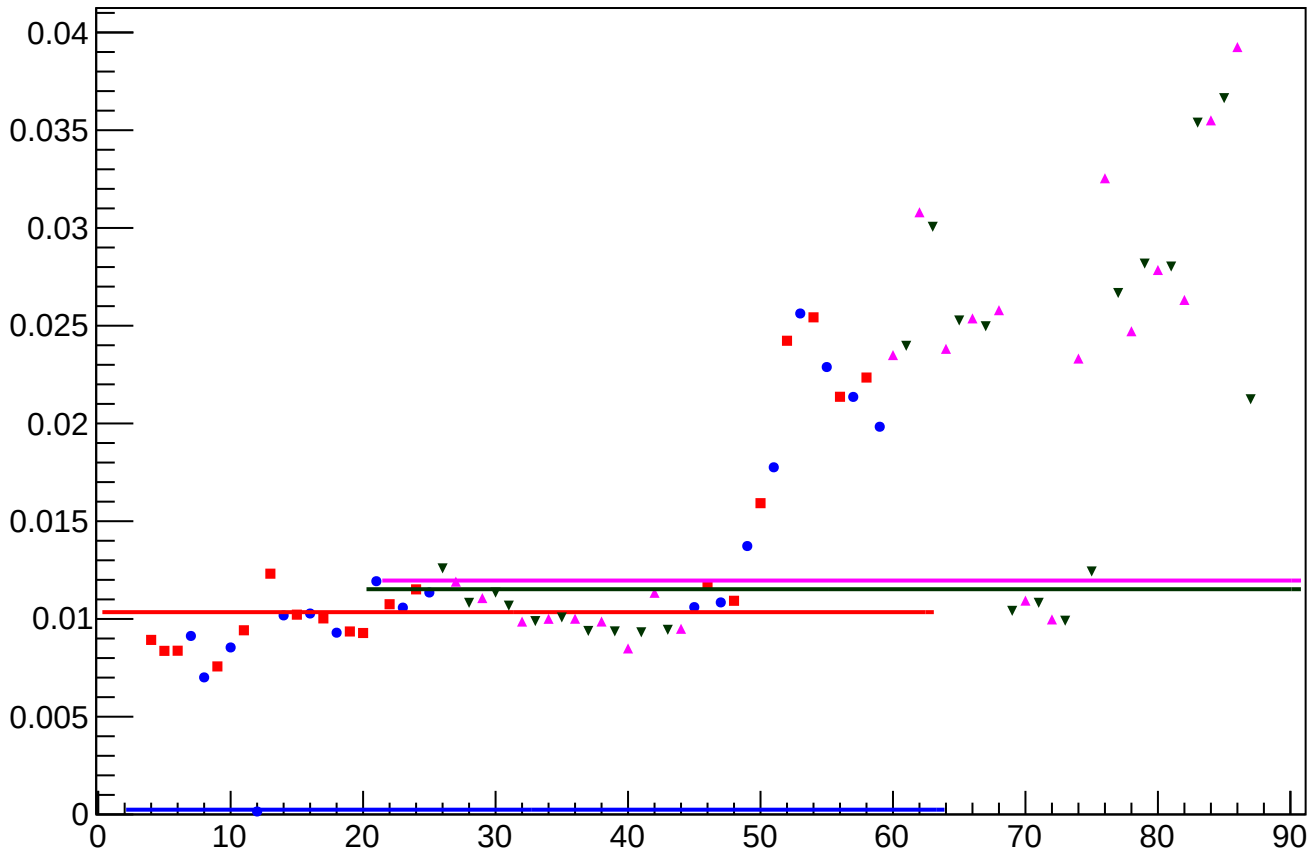
-0.122+/-0.000 χ^2/NDF : 299823967426.7/41

Right Out: 1.163+/-0.000 χ^2/NDF : 7253036603.9/18

1.196+/-0.000 χ^2/NDF : 8247593116.8/41

Left In: 1.234+/-0.000 χ^2/NDF : 813123467.4/22

yield_bpm4ecY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 19204976.4/17

Left Out: 0.012+/-0.000 χ^2/NDF : 3256250.7/23

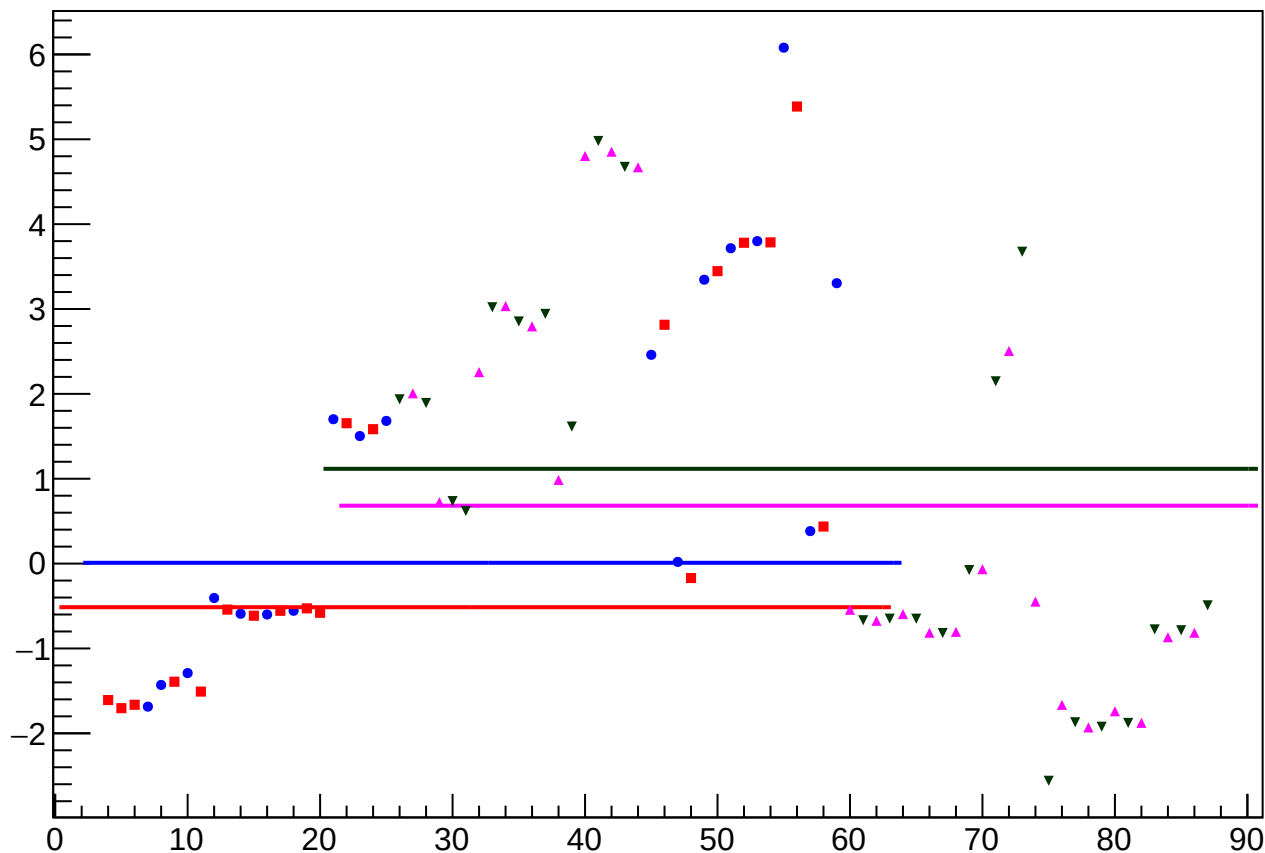
Right Out: 0.010+/-0.000 χ^2/NDF : 1619353.0/18

Left In: 0.012+/-0.000 χ^2/NDF : 3979187.6/22

0.000+/-0.000 χ^2/NDF : 40828290.0/41

0.011+/-0.000 χ^2/NDF : 5790451.7/41

yield_bpm1X_mean vs slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 18135045883.2/17

Left Out: 1.117 $\pm$ 0.000 χ^2 /NDF: 3675475215.4/23

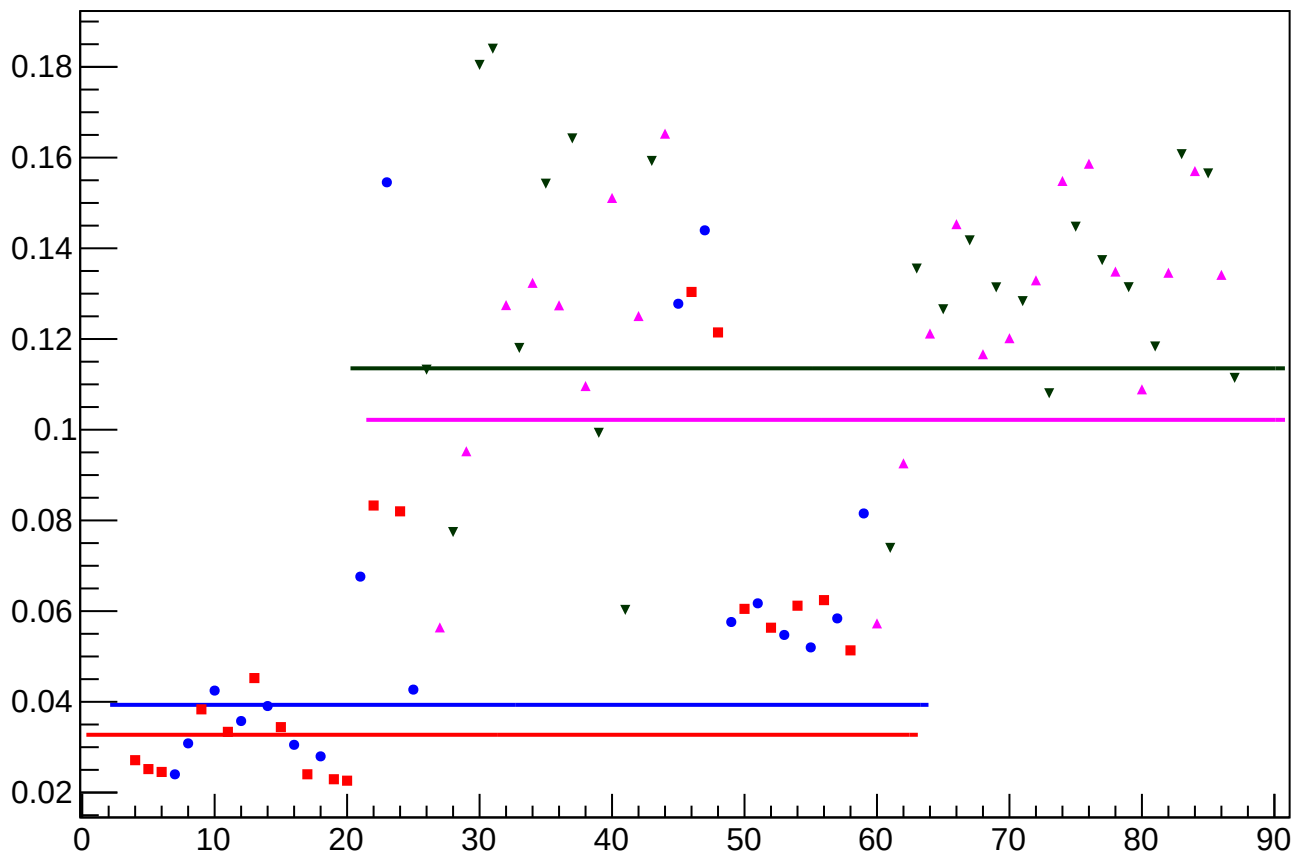
Right Out: -0.514 $\pm$ 0.000 χ^2 /NDF: 14474436949.2/18

Left In: 0.682 $\pm$ 0.000 χ^2 /NDF: 3047642290.7/22

0.152 $\pm$ 0.000 χ^2 /NDF: 22562656964.9/41

-0.360 $\pm$ 0.000 χ^2 /NDF: 18648961399.4/41

yield_bpm1X_rms vs slug



Right In: 0.039+/-0.000 χ^2/NDF : 3078164.7/17

Left Out: 0.114+/-0.000 χ^2/NDF :1690989.9/23

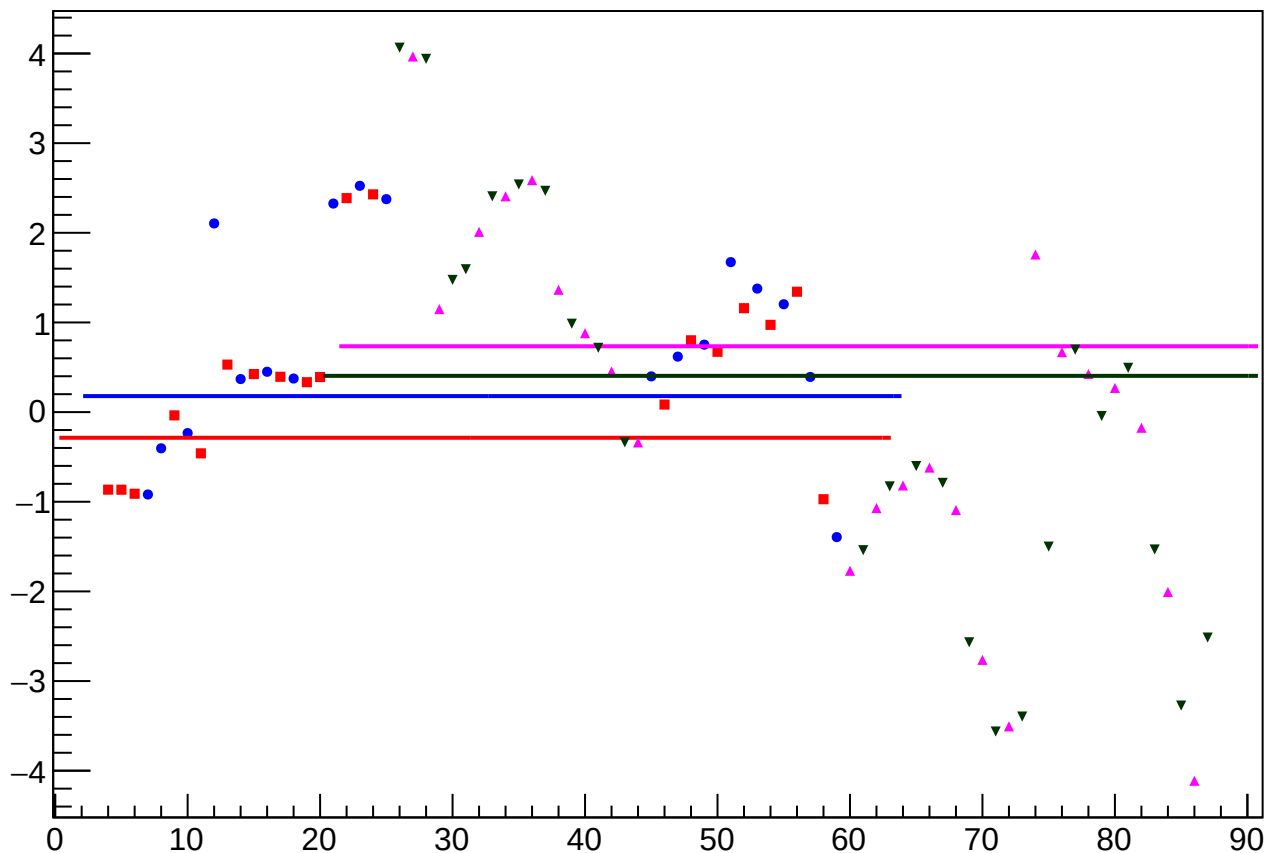
Right Out: 0.033+/-0.000 χ^2/NDF : 2838022.5/18

Left In: 0.102+/-0.000 χ^2/NDF :2371988.0/22

0.049+/-0.000 χ^2/NDF : 11522505.7/41

0.042+/-0.000 χ^2/NDF : 12804043.6/41

yield_bpm1Y_mean vs slug



Right In: 0.178+/-0.000 χ^2/NDF : 9482704623.3/17

Left Out: 0.404+/-0.000 χ^2/NDF : 7304355052.9/23

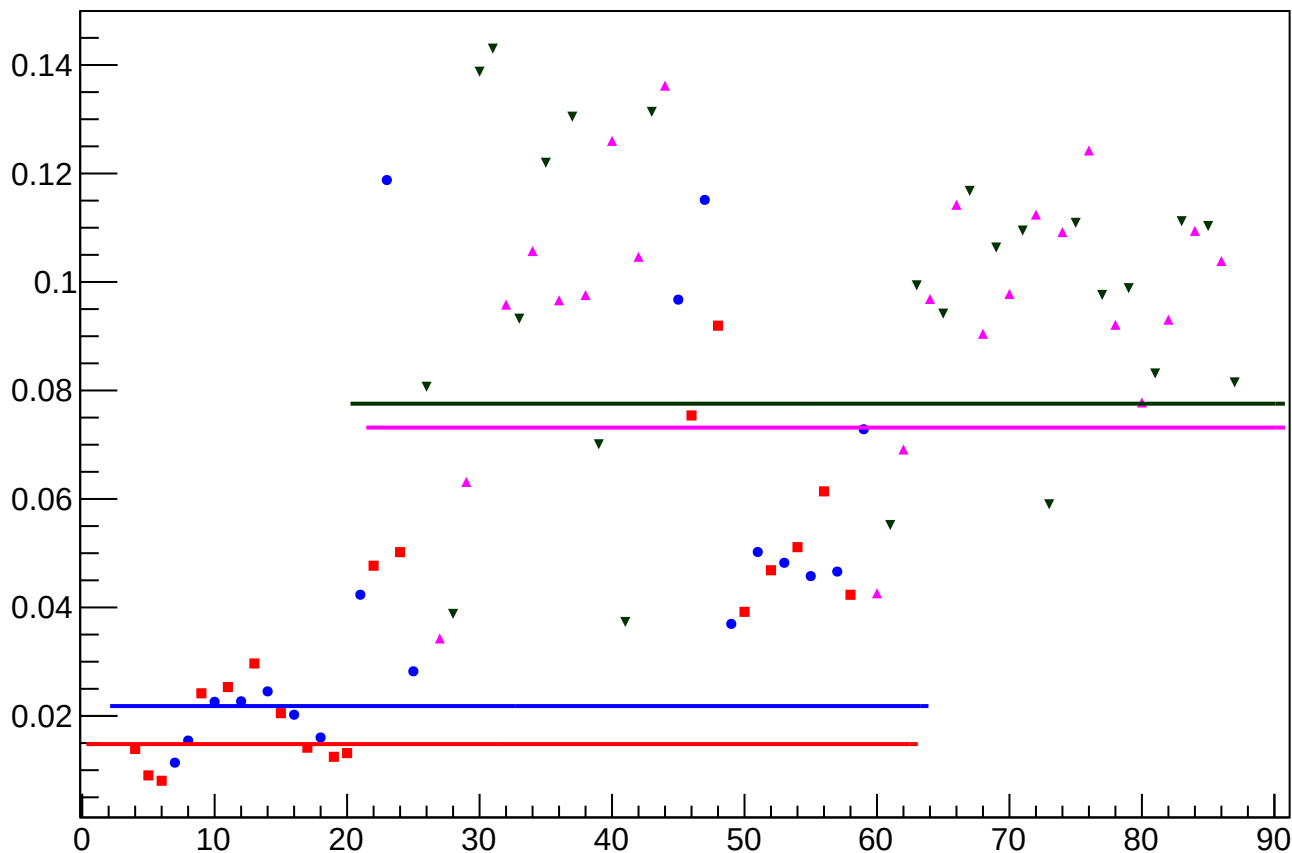
Right Out: -0.286+/-0.000 χ^2/NDF : 10734675455.5/18

Left In: 0.735+/-0.000 χ^2/NDF : 9134578721.3/22

0.200+/-0.000 χ^2/NDF : 16848649402.0/41

-0.216+/-0.000 χ^2/NDF : 21448024549.8/41

yield_bpm1Y_rms vs slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 4669284.8/17

Left Out: 0.078 $\pm$ 0.000 χ^2 /NDF:2771107.7/23

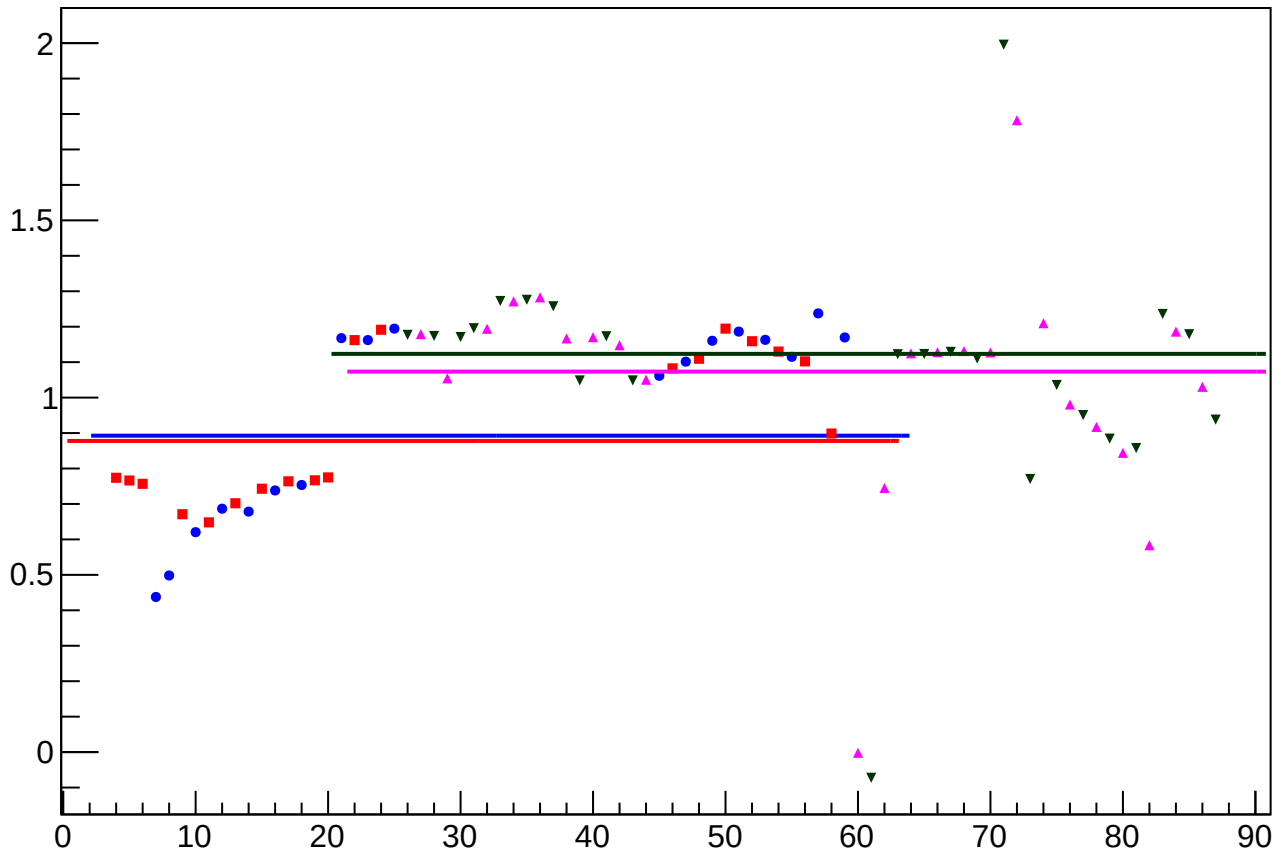
Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 4938559.5/18

Left In: 0.073 $\pm$ 0.000 χ^2 /NDF:3229499.8/22

0.027 $\pm$ 0.000 χ^2 /NDF: 14941574.9/41

0.019 $\pm$ 0.000 χ^2 /NDF: 18484565.9/41

yield_bpm11X_mean vs slug



Right In: 0.893 ± 0.000 χ^2/NDF : 1629156385.0/17

Left Out: 1.123 ± 0.000 χ^2/NDF : 2146127121.9/23

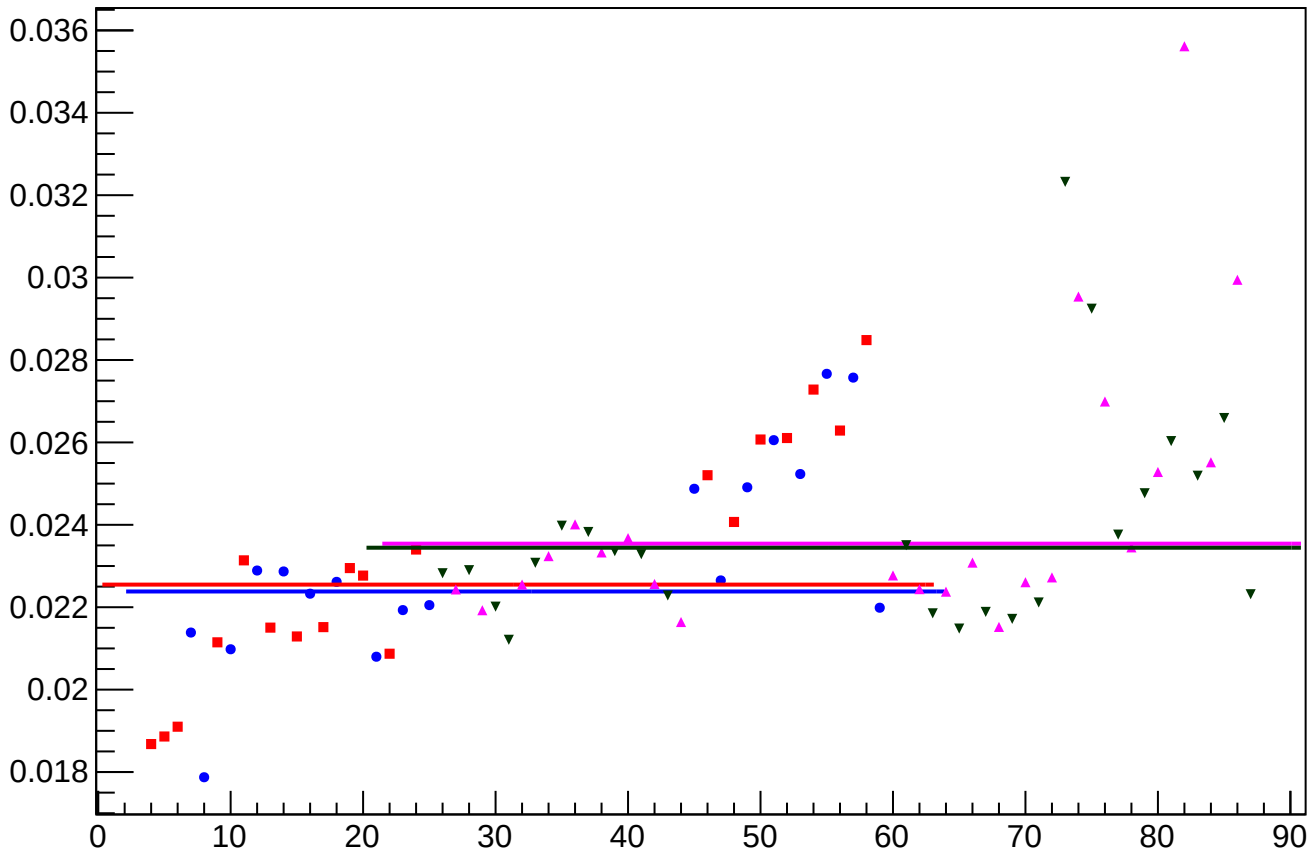
Right Out: 0.878 ± 0.000 χ^2/NDF : 761495098.5/18

Left In: 1.073 ± 0.000 χ^2/NDF : 1929832593.8/22

1.007 ± 0.000 χ^2/NDF : 4341809747.4/41

0.984 ± 0.000 χ^2/NDF : 3076657895.0/41

yield_bpm11X_rms vs slug



Right In: 0.022+/-0.000 χ^2/NDF : 264611.3/17

Left Out: 0.023+/-0.000 χ^2/NDF :190324.2/23

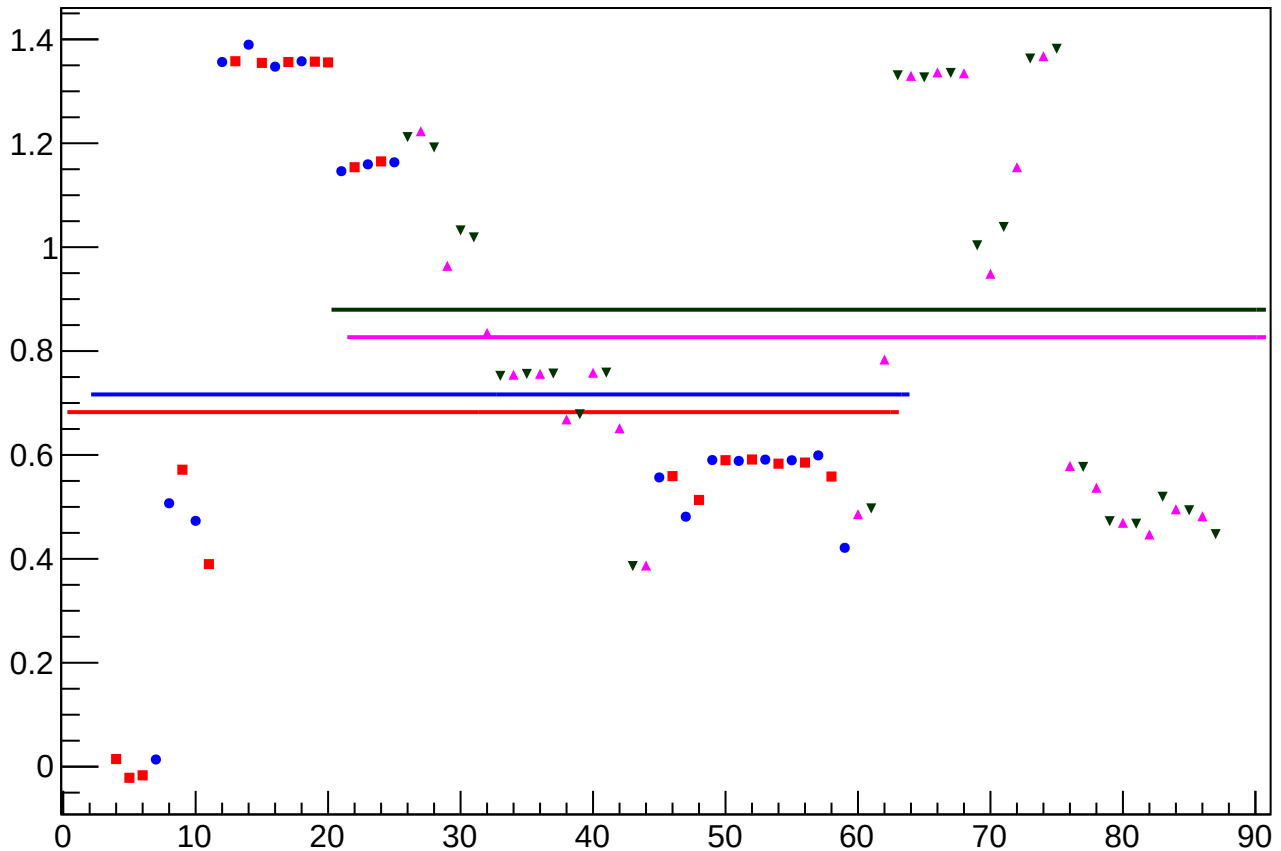
Right Out: 0.023+/-0.000 χ^2/NDF : 246194.4/18

Left In: 0.024+/-0.000 χ^2/NDF :255698.9/22

0.023+/-0.000 χ^2/NDF : 478938.0/41

0.023+/-0.000 χ^2/NDF : 521794.4/41

yield_bpm11Y_mean vs slug



Right In: 0.716+/-0.000 χ^2/NDF : 131330740430.7/17

Left Out: 0.880+/-0.000 χ^2/NDF : 117905406824.9/23

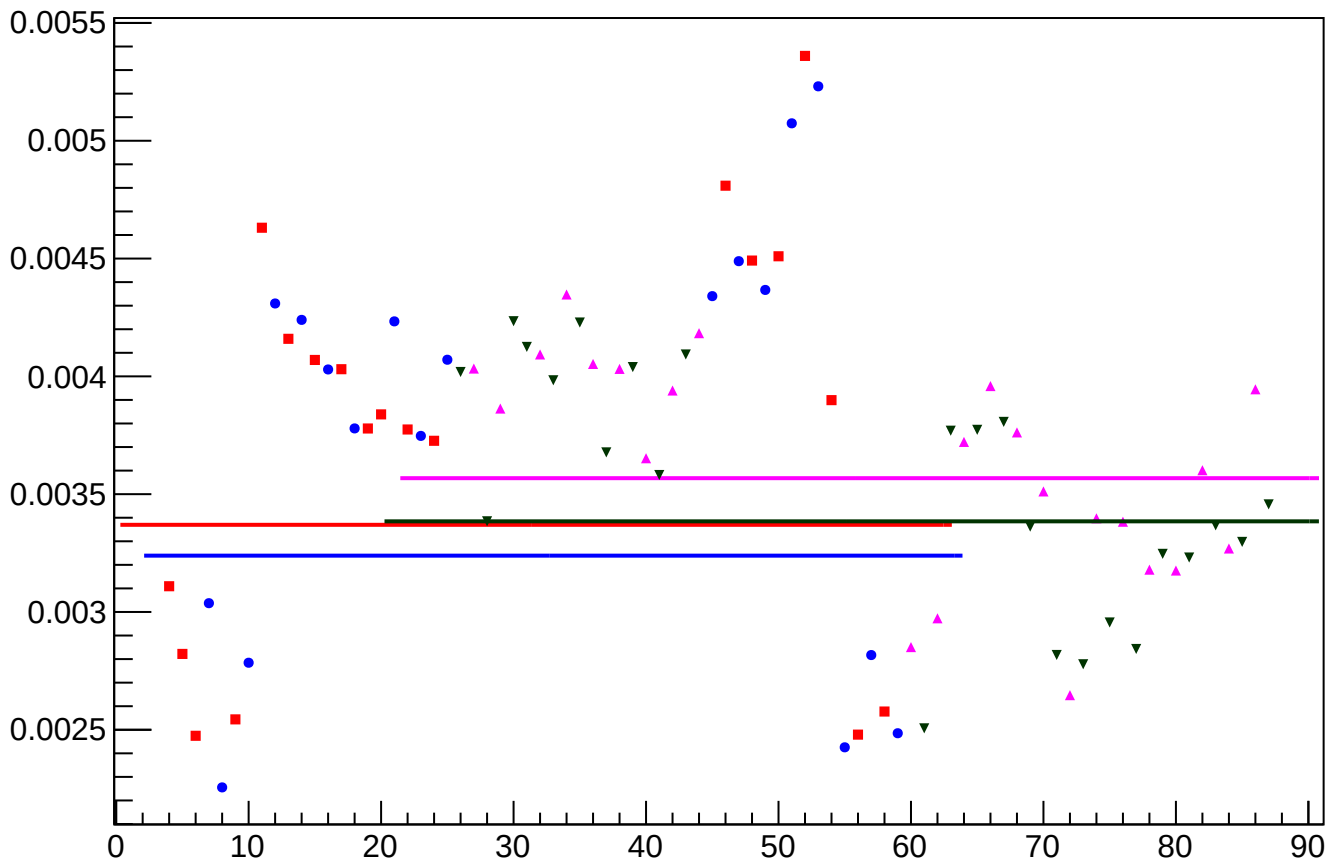
0.800+/-0.000 χ^2/NDF : 262171675989.6/41

Right Out: 0.682+/-0.000 χ^2/NDF : 168328456976.2/18

0.761+/-0.000 χ^2/NDF : 273263021836.4/41

Left In: 0.827+/-0.000 χ^2/NDF : 95995689968.6/22

yield_bpm11Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 1552802.4/17

Left Out: 0.003+/-0.000 χ^2/NDF : 494842.4/23

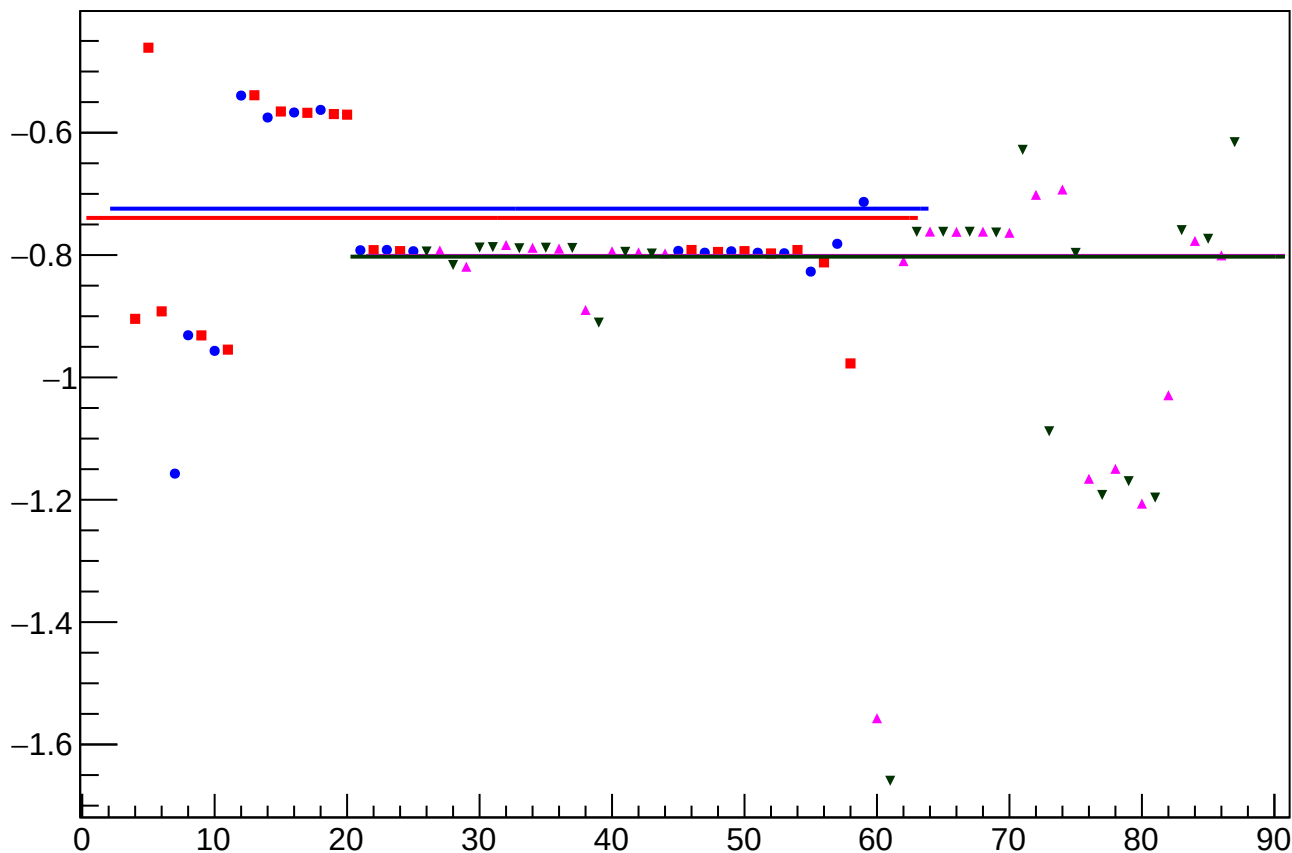
Right Out: 0.003+/-0.000 χ^2/NDF : 1158167.7/18

Left In: 0.004+/-0.000 χ^2/NDF : 404980.0/22

0.003+/-0.000 χ^2/NDF : 2068257.0/41

0.003+/-0.000 χ^2/NDF : 1596813.7/41

yield_bpm12X_mean vs slug



Right In: -0.724+/-0.000 χ^2/NDF : 2243966662.4/17

Left Out: -0.803+/-0.000 χ^2/NDF : 1008356804.2/23

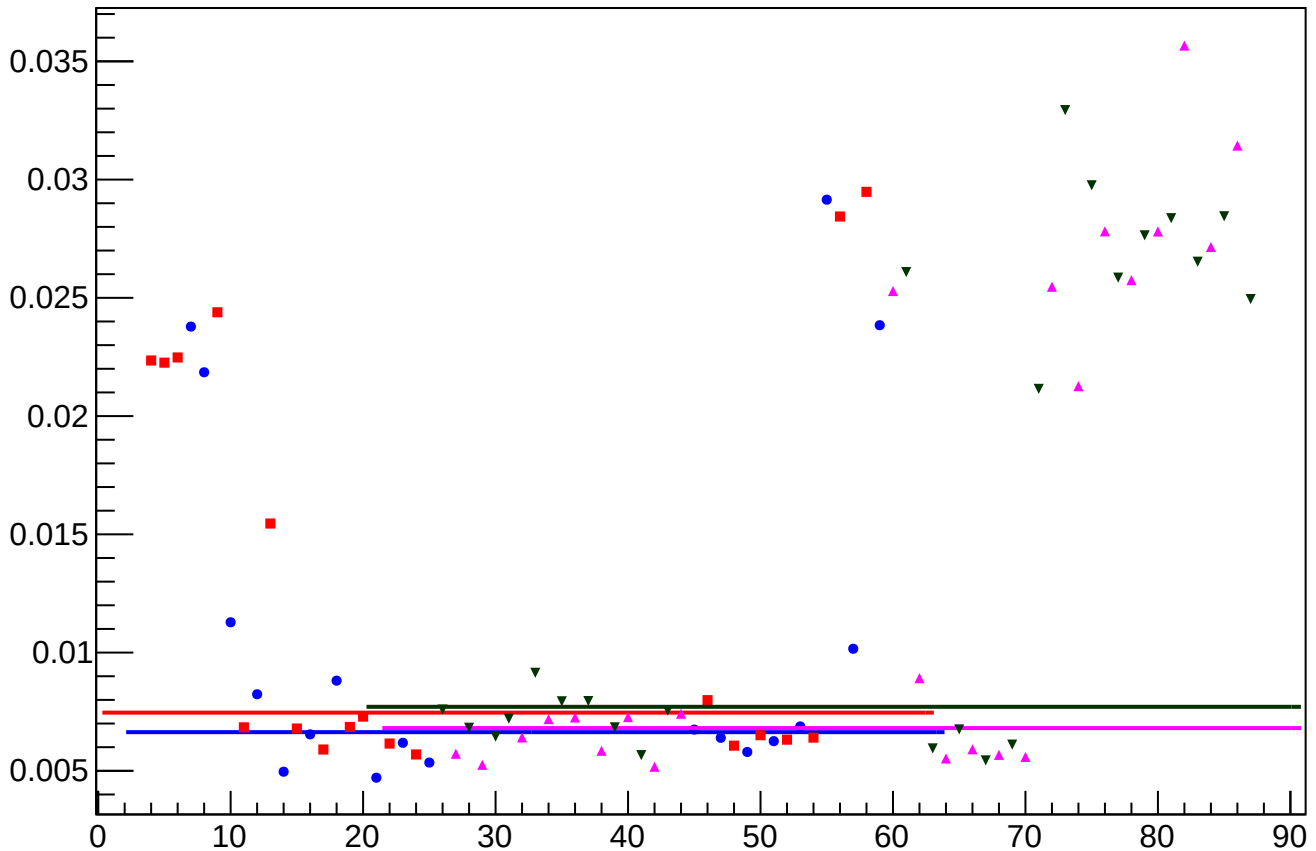
Right Out: -0.739+/-0.000 χ^2/NDF : 1945829237.2/18

Left In: -0.801+/-0.000 χ^2/NDF : 962007608.5/22

-0.759+/-0.000 χ^2/NDF : 3686535886.2/41

-0.776+/-0.000 χ^2/NDF : 3166440200.1/41

yield_bpm12X_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 3347518.2/17

Left Out: 0.008+/-0.000 χ^2/NDF :5097065.6/23

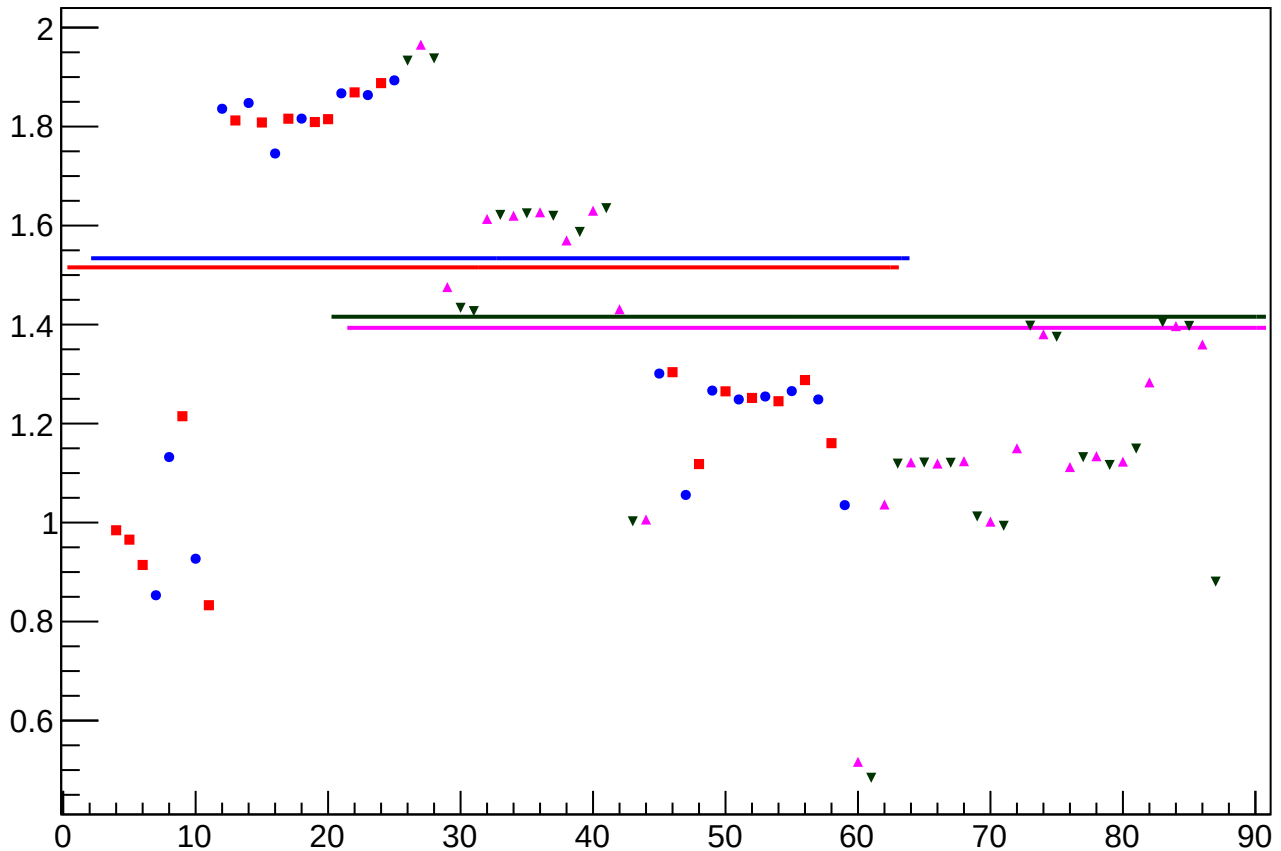
Right Out: 0.007+/-0.000 χ^2/NDF : 3478880.3/18

Left In: 0.007+/-0.000 χ^2/NDF :5376495.9/22

0.007+/-0.000 χ^2/NDF : 8606828.9/41

0.007+/-0.000 χ^2/NDF : 8912677.5/41

yield_bpm12Y_mean vs slug



Right In: 1.534 $\pm$ 0.000 χ^2 /NDF: 22395382646.2/17

Left Out: 1.416 $\pm$ 0.000 χ^2 /NDF:18529755387.1/23

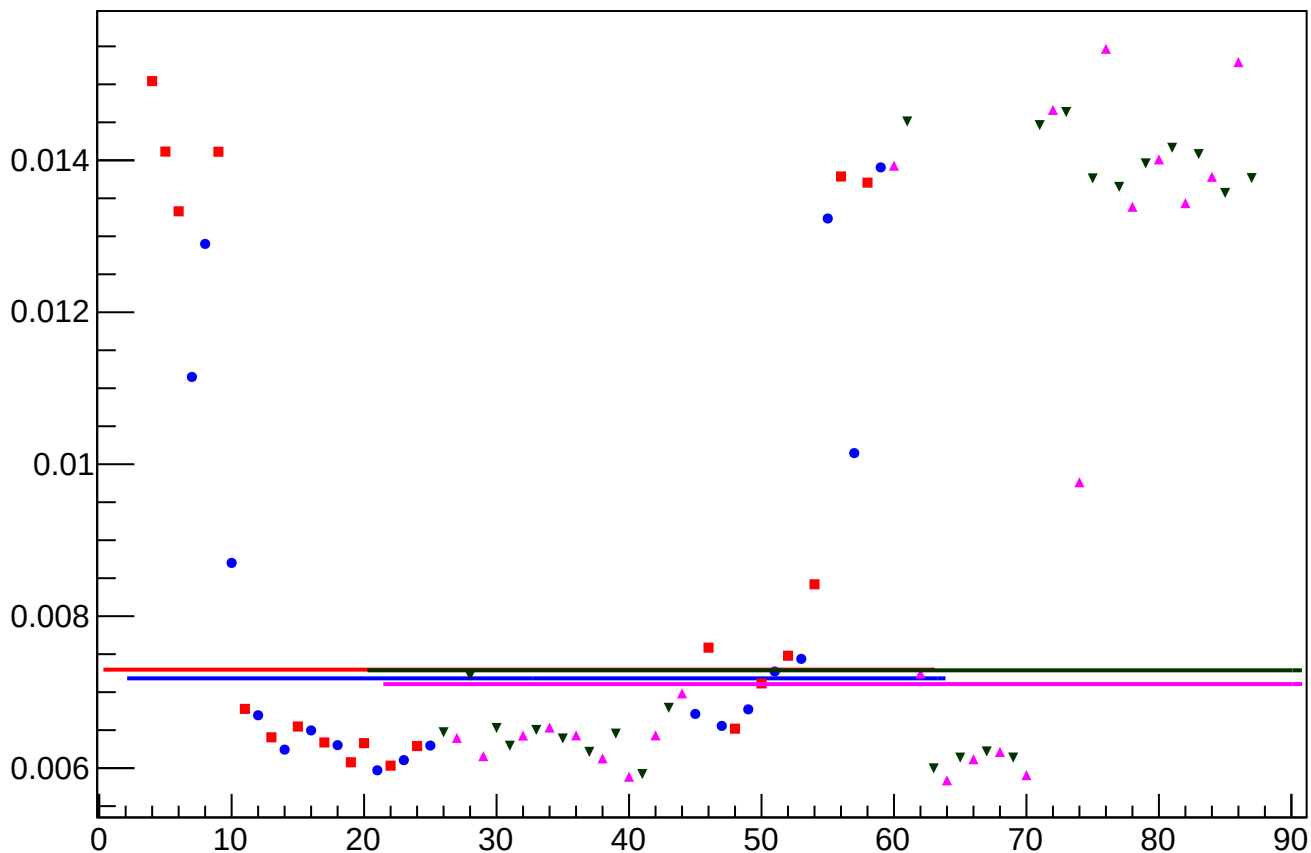
1.475 $\pm$ 0.000 χ^2 /NDF: 42249287900.2/41

Right Out: 1.516 $\pm$ 0.000 χ^2 /NDF: 21754735470.0/18

1.446 $\pm$ 0.000 χ^2 /NDF: 43017504030.9/41

Left In: 1.393 $\pm$ 0.000 χ^2 /NDF:19900699902.2/22

yield_bpm12Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 1305539.8/17

Left Out: 0.007+/-0.000 χ^2/NDF : 2408934.8/23

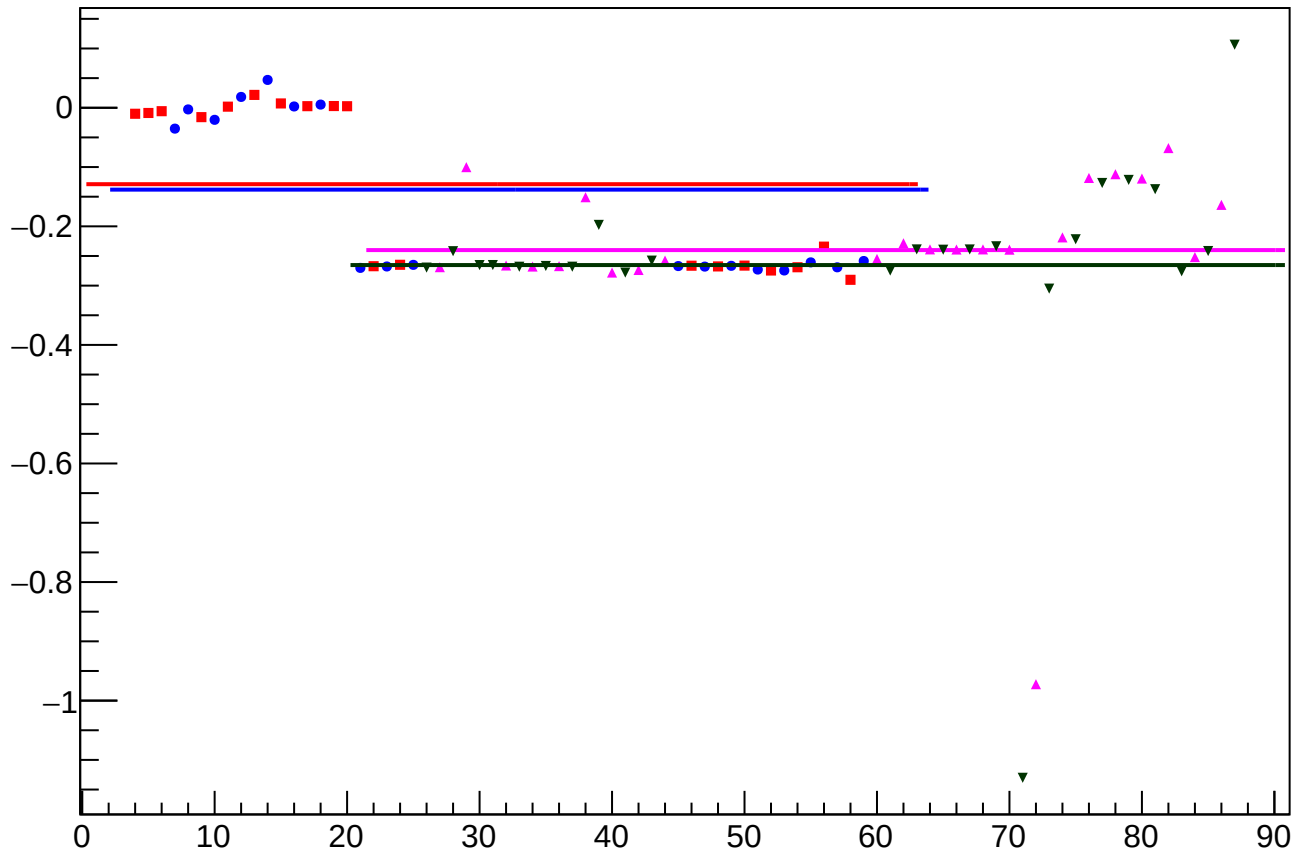
Right Out: 0.007+/-0.000 χ^2/NDF : 1457854.6/18

Left In: 0.007+/-0.000 χ^2/NDF : 2376242.5/22

0.007+/-0.000 χ^2/NDF : 3716589.8/41

0.007+/-0.000 χ^2/NDF : 3840714.2/41

yield_bpm16X_mean vs slug



Right In: -0.138 ± 0.000 χ^2/NDF : 7275574194.7/17

Left Out: -0.265 ± 0.000 χ^2/NDF : 6316535865.5/23

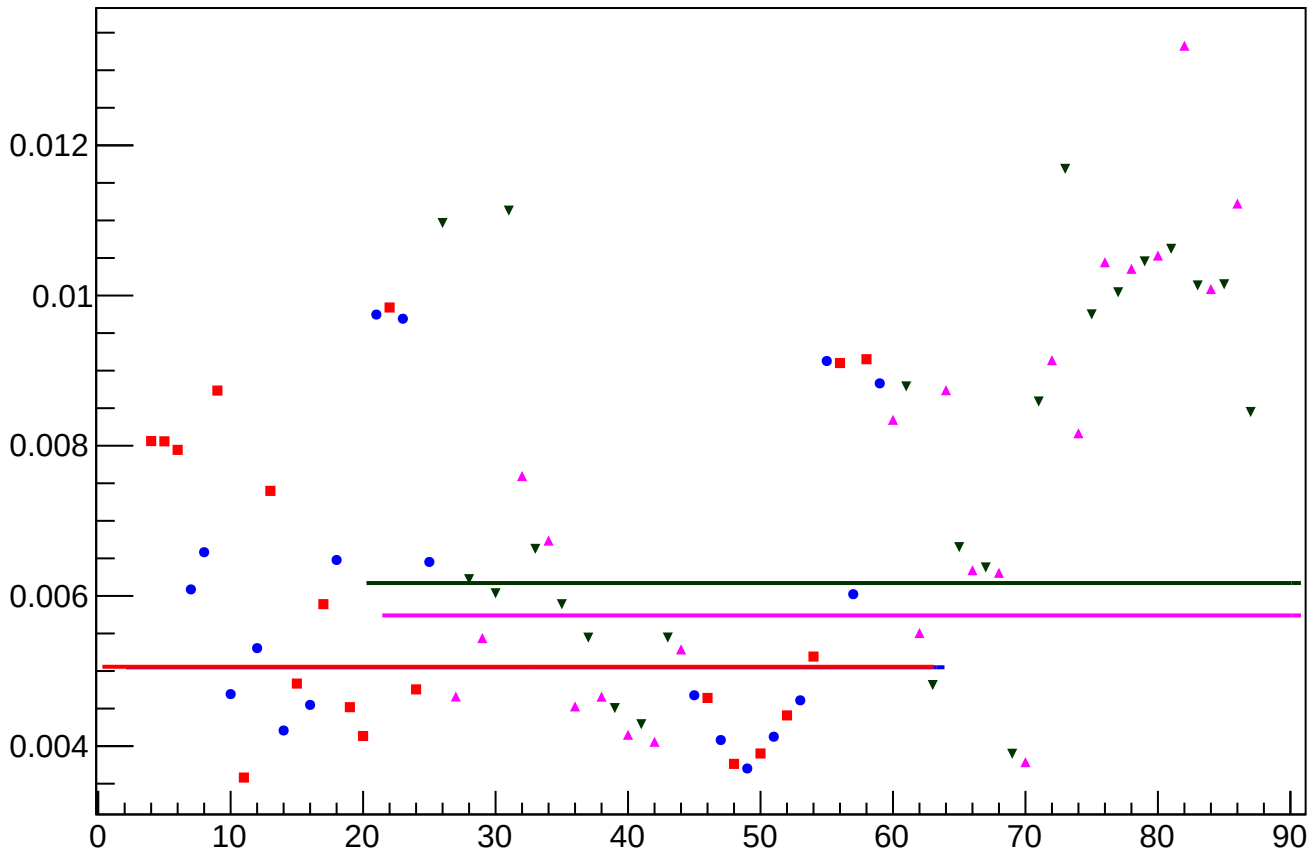
Right Out: -0.129 ± 0.000 χ^2/NDF : 5878929515.5/18

Left In: -0.240 ± 0.000 χ^2/NDF : 3889340392.9/22

-0.191 ± 0.000 χ^2/NDF : 16078063962.0/41

-0.184 ± 0.000 χ^2/NDF : 11740151083.3/41

yield_bpm16X_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 1664372.1/17

Left Out: 0.006+/-0.000 χ^2/NDF :2431604.3/23

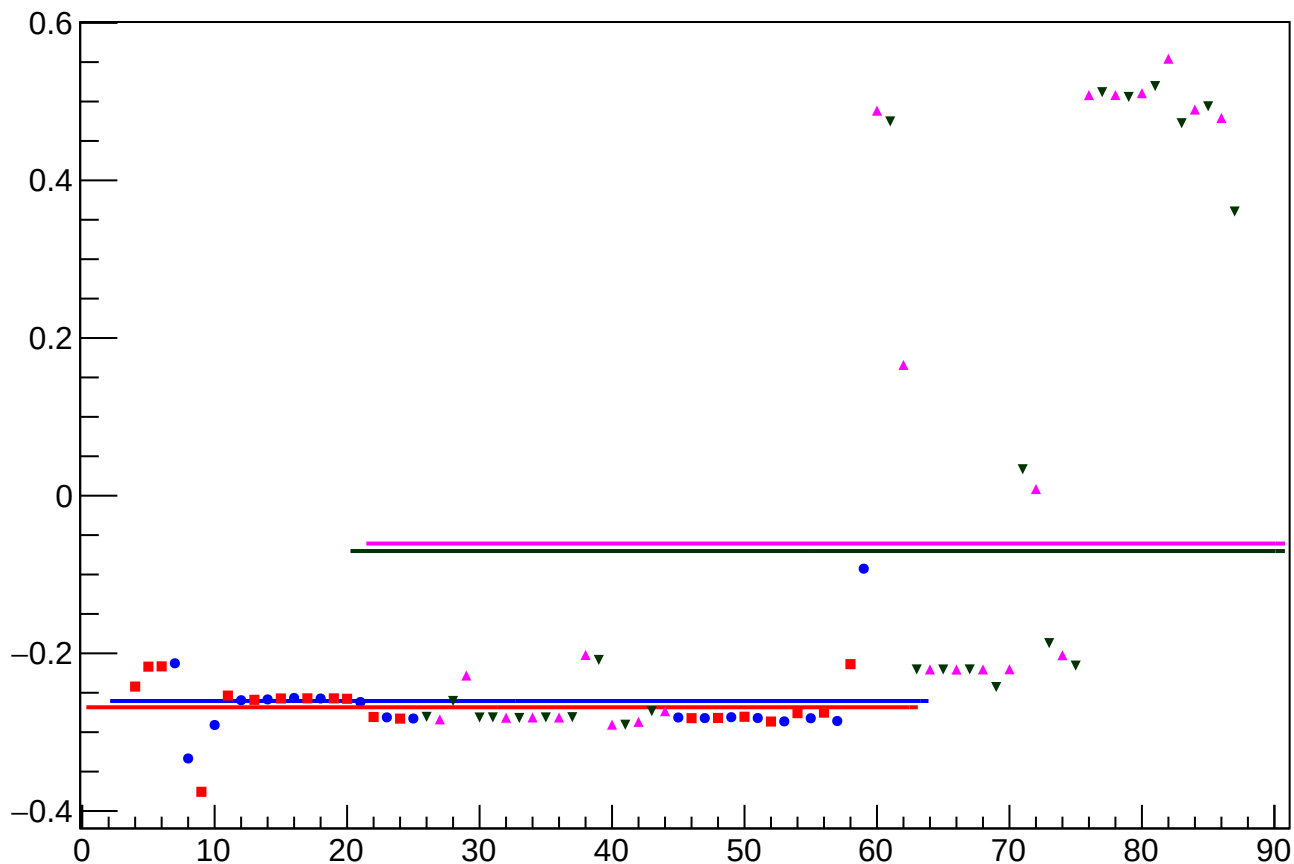
Right Out: 0.005+/-0.000 χ^2/NDF : 1822469.4/18

Left In: 0.006+/-0.000 χ^2/NDF :2662039.0/22

0.006+/-0.000 χ^2/NDF : 4482531.6/41

0.005+/-0.000 χ^2/NDF : 4633718.7/41

yield_bpm16Y_mean vs slug



Right In: -0.260 ± 0.000 χ^2/NDF : 6878369368.1/17

Left Out: -0.070 ± 0.000 χ^2/NDF : 138205103756.5/23

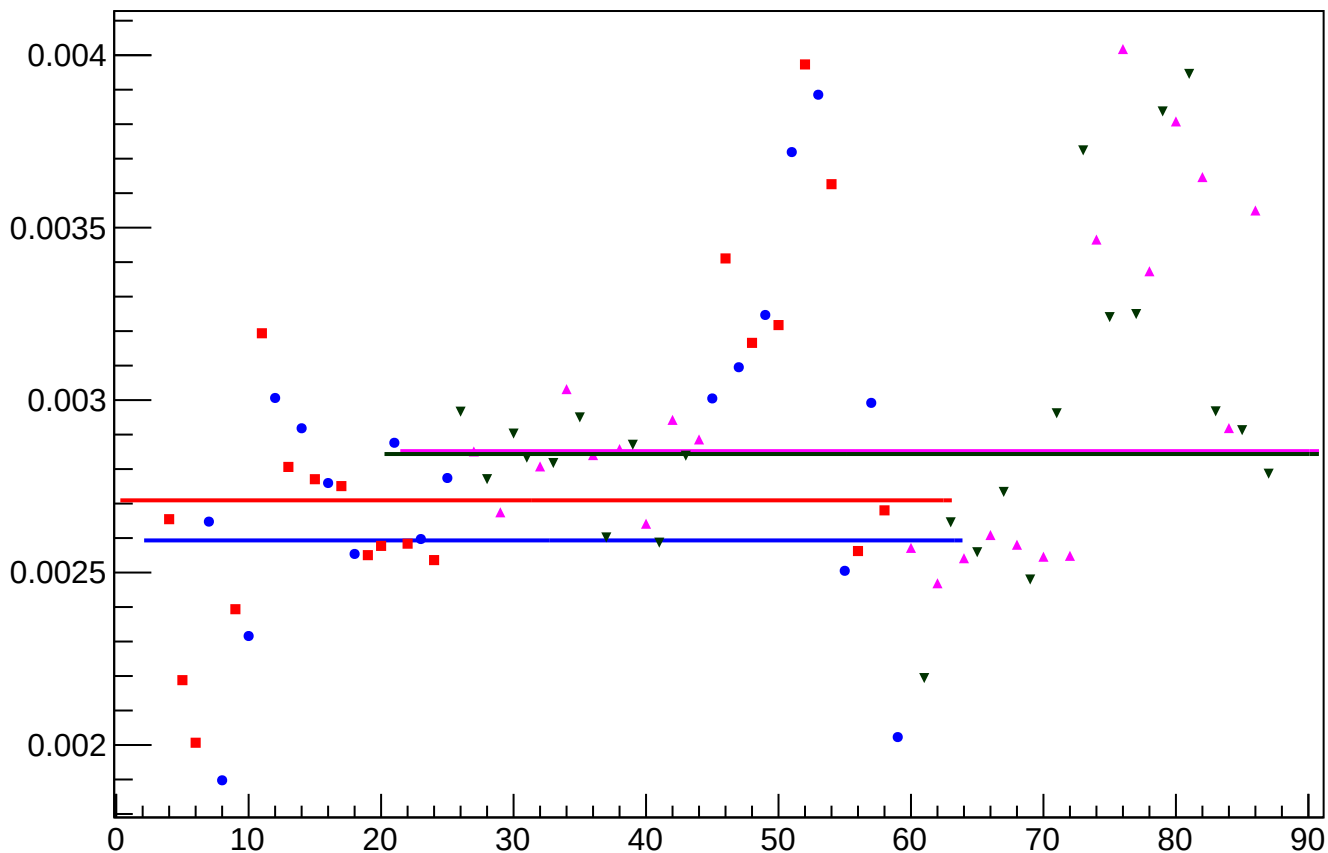
Right Out: -0.268 ± 0.000 χ^2/NDF : 2185355194.4/18

Left In: -0.061 ± 0.000 χ^2/NDF : 141537791050.9/22

-0.170 ± 0.000 χ^2/NDF : 171999207906.1/41

-0.157 ± 0.000 χ^2/NDF : 173341157078.2/41

yield_bpm16Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 774114.6/17

Left Out: 0.003+/-0.000 χ^2/NDF : 372640.0/23

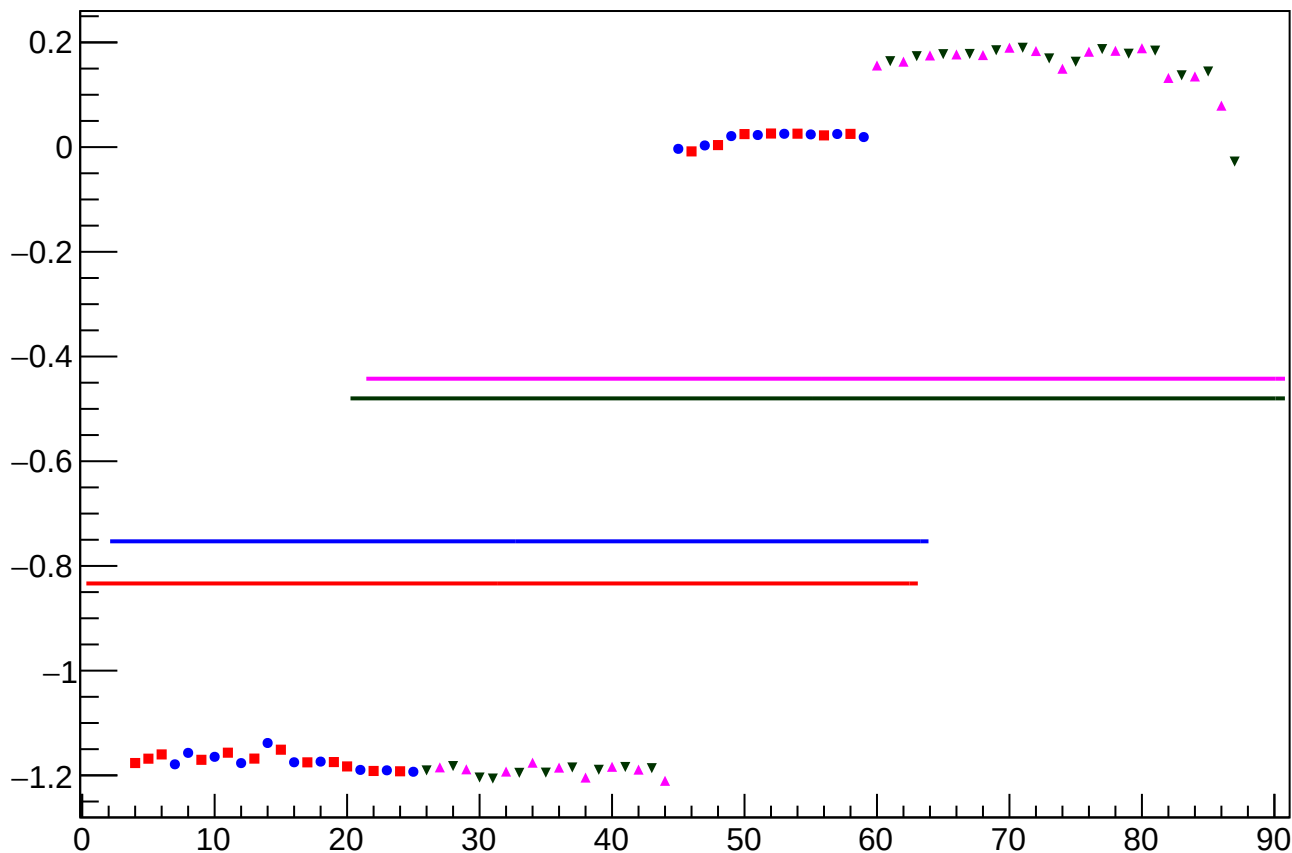
Right Out: 0.003+/-0.000 χ^2/NDF : 476230.4/18

Left In: 0.003+/-0.000 χ^2/NDF : 401172.0/22

0.003+/-0.000 χ^2/NDF : 1240076.3/41

0.003+/-0.000 χ^2/NDF : 905359.6/41

yield_bpm2i01X_mean vs slug



Right In: -0.753+/-0.000 χ^2/NDF : 63524502695.2/17

Left Out: -0.480+/-0.000 χ^2/NDF : 78328634768.4/23

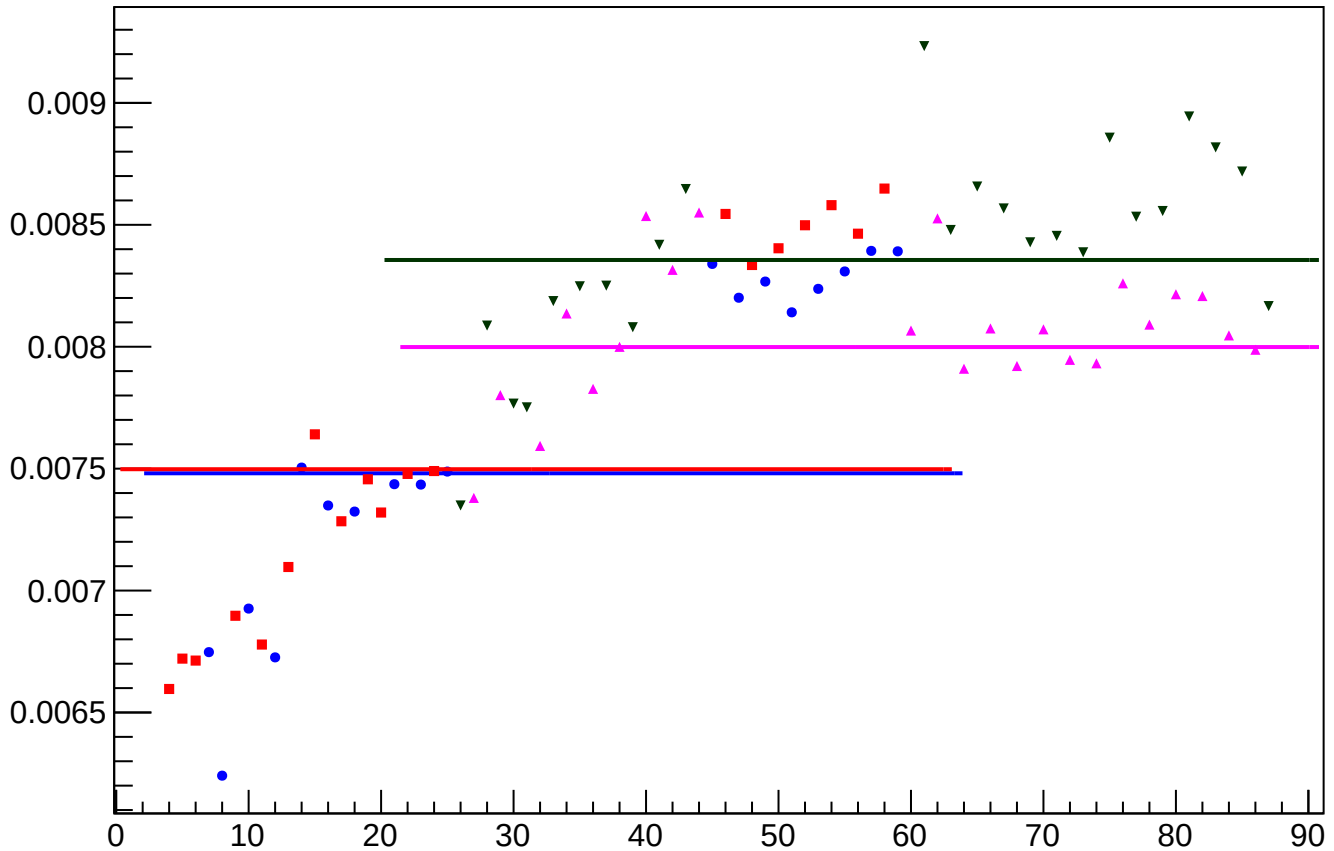
Right Out: -0.833+/-0.000 χ^2/NDF : 50332816661.3/18

Left In: -0.442+/-0.000 χ^2/NDF : 89657269663.0/22

-0.627+/-0.000 χ^2/NDF : 148668432615.1/41

-0.626+/-0.000 χ^2/NDF : 154221917289.6/41

yield_bpm2i01X_rms vs slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 196084.4/17

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:56384.5/23

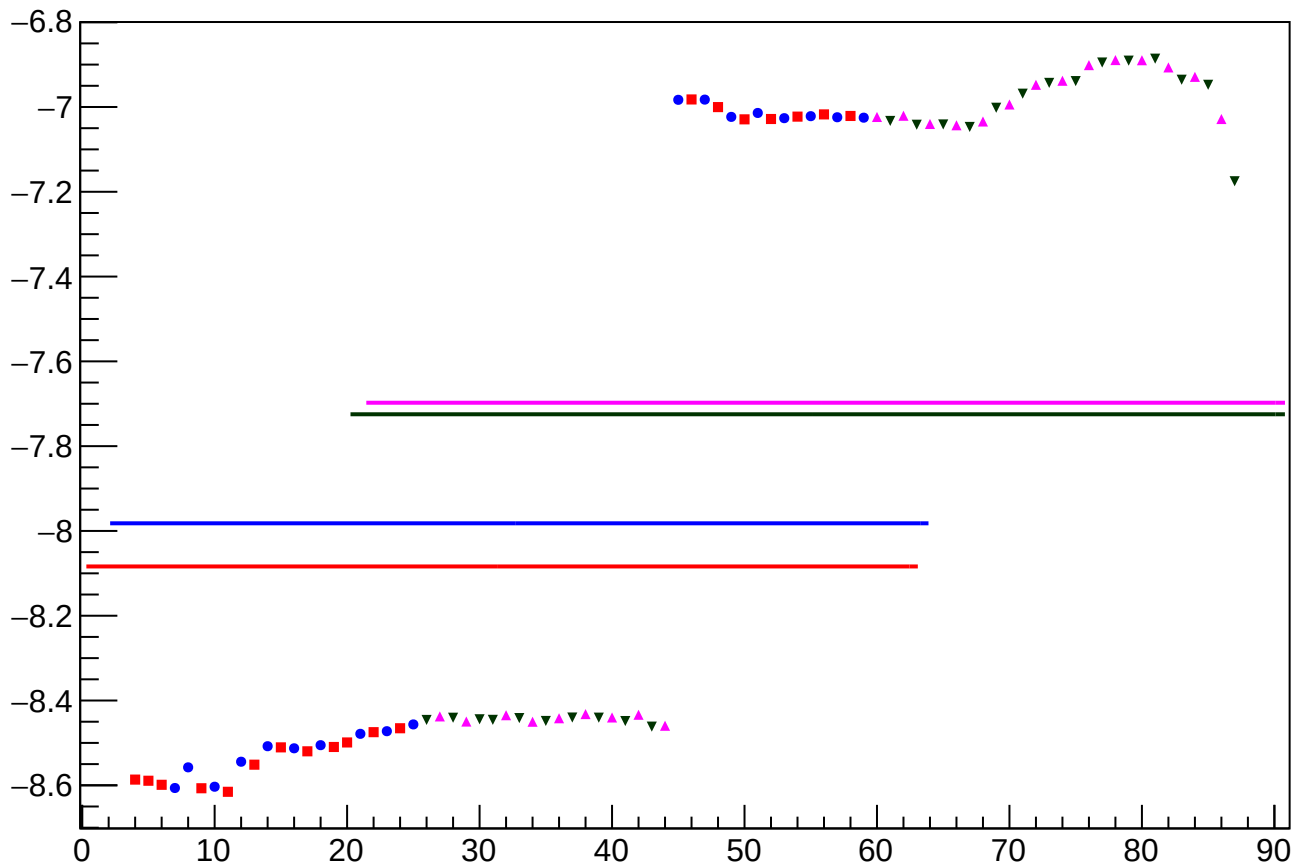
0.008 $\pm$ 0.000 χ^2 /NDF: 392403.7/41

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 167417.2/18

0.008 $\pm$ 0.000 χ^2 /NDF: 249078.9/41

Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:34954.8/22

yield_bpm2i01Y_mean vs slug



Right In: -7.982+/-0.000 χ^2/NDF : 116524136897.0/17

Left Out: -7.725+/-0.000 χ^2/NDF : 110683389375.5/23

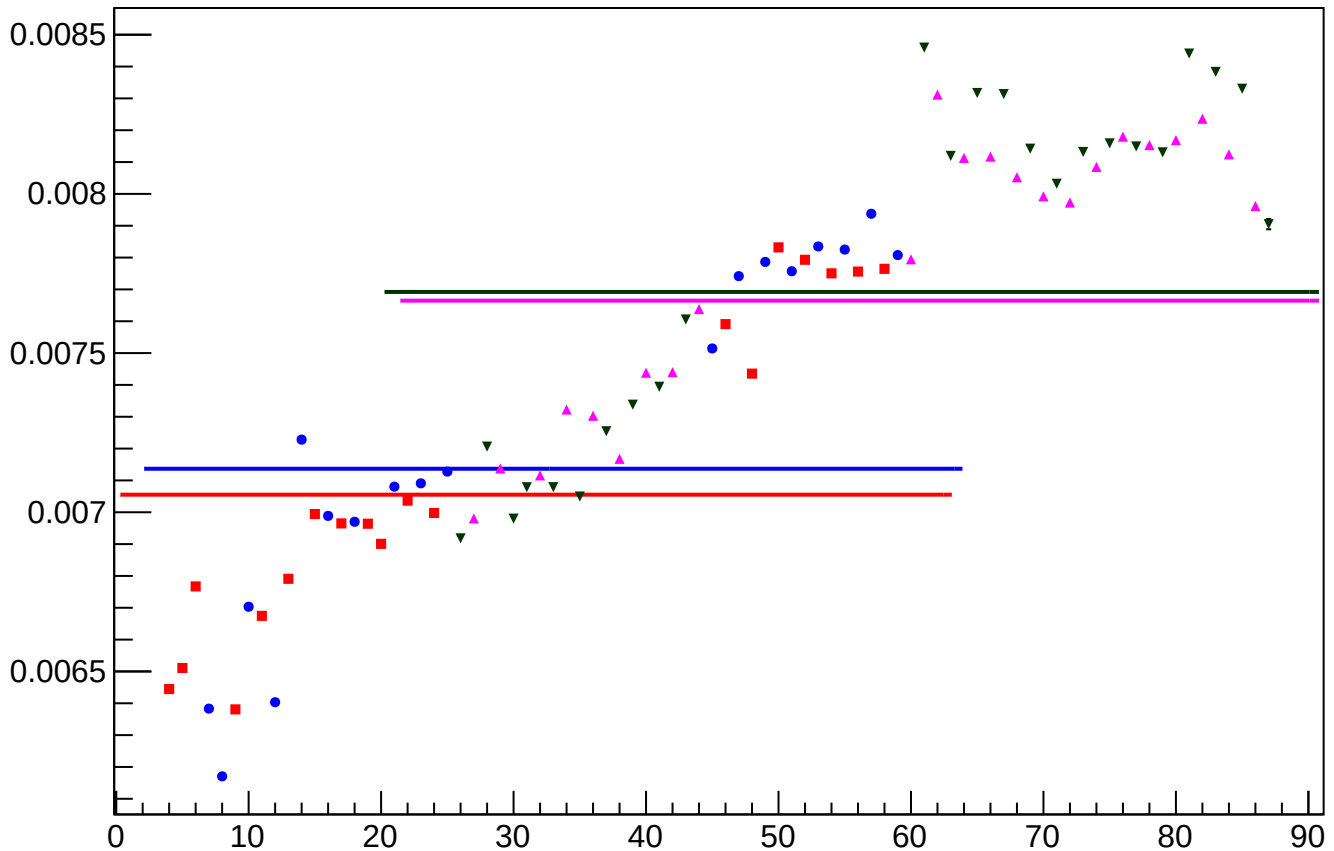
Right Out: -8.084+/-0.000 χ^2/NDF : 99506540389.5/18

Left In: -7.698+/-0.000 χ^2/NDF : 118197023986.9/22

-7.858+/-0.000 χ^2/NDF : 234172627119.8/41

-7.882+/-0.000 χ^2/NDF : 233237289429.0/41

yield_bpm2i01Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 141394.2/17

Left Out: 0.008+/-0.000 χ^2/NDF :120466.9/23

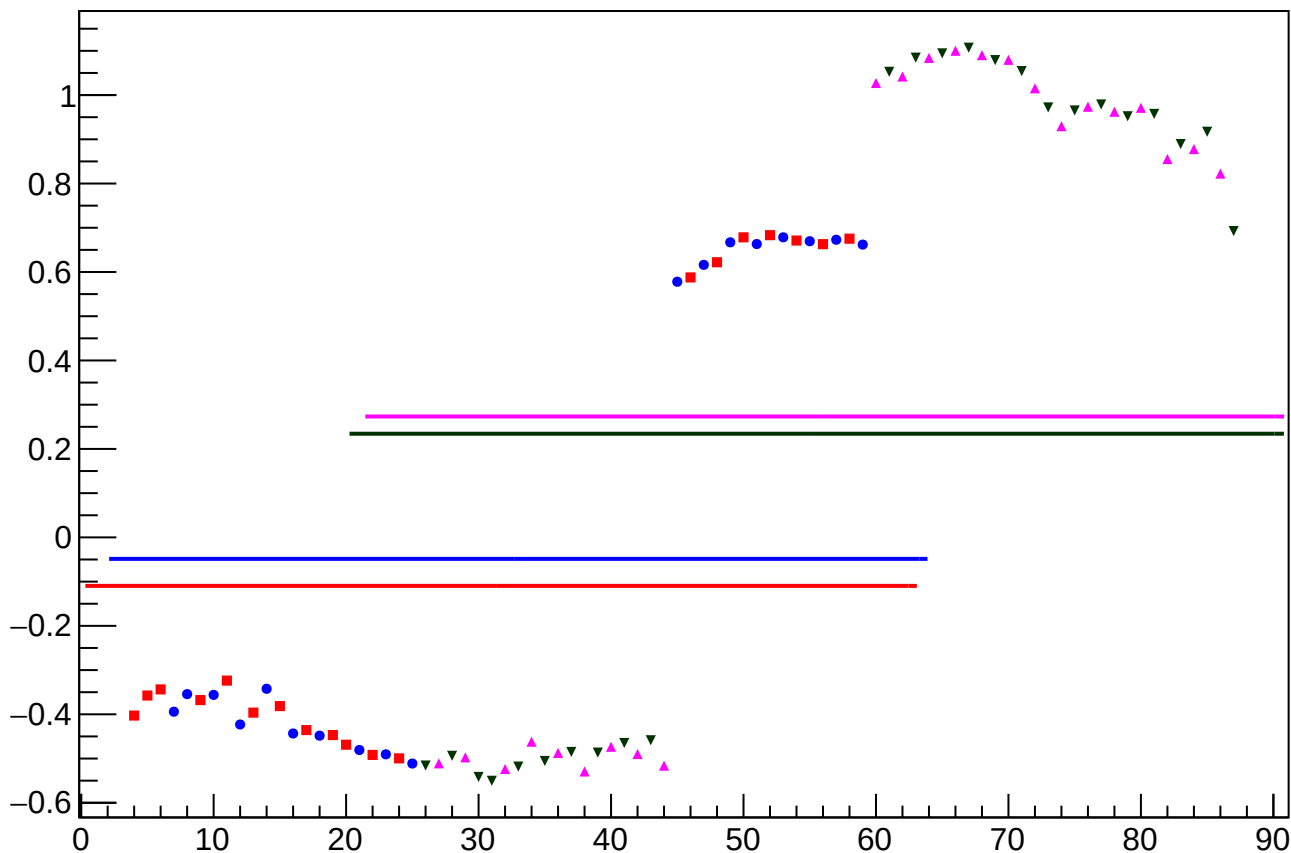
Right Out: 0.007+/-0.000 χ^2/NDF : 88863.4/18

Left In: 0.008+/-0.000 χ^2/NDF :90373.6/22

0.007+/-0.000 χ^2/NDF : 326830.2/41

0.007+/-0.000 χ^2/NDF : 256609.4/41

yield_bpm2i02X_mean vs slug



Right In: -0.049+/-0.000 χ^2/NDF : 7806391272.8/17

Left Out: 0.234+/-0.000 χ^2/NDF : 14237073246.3/23

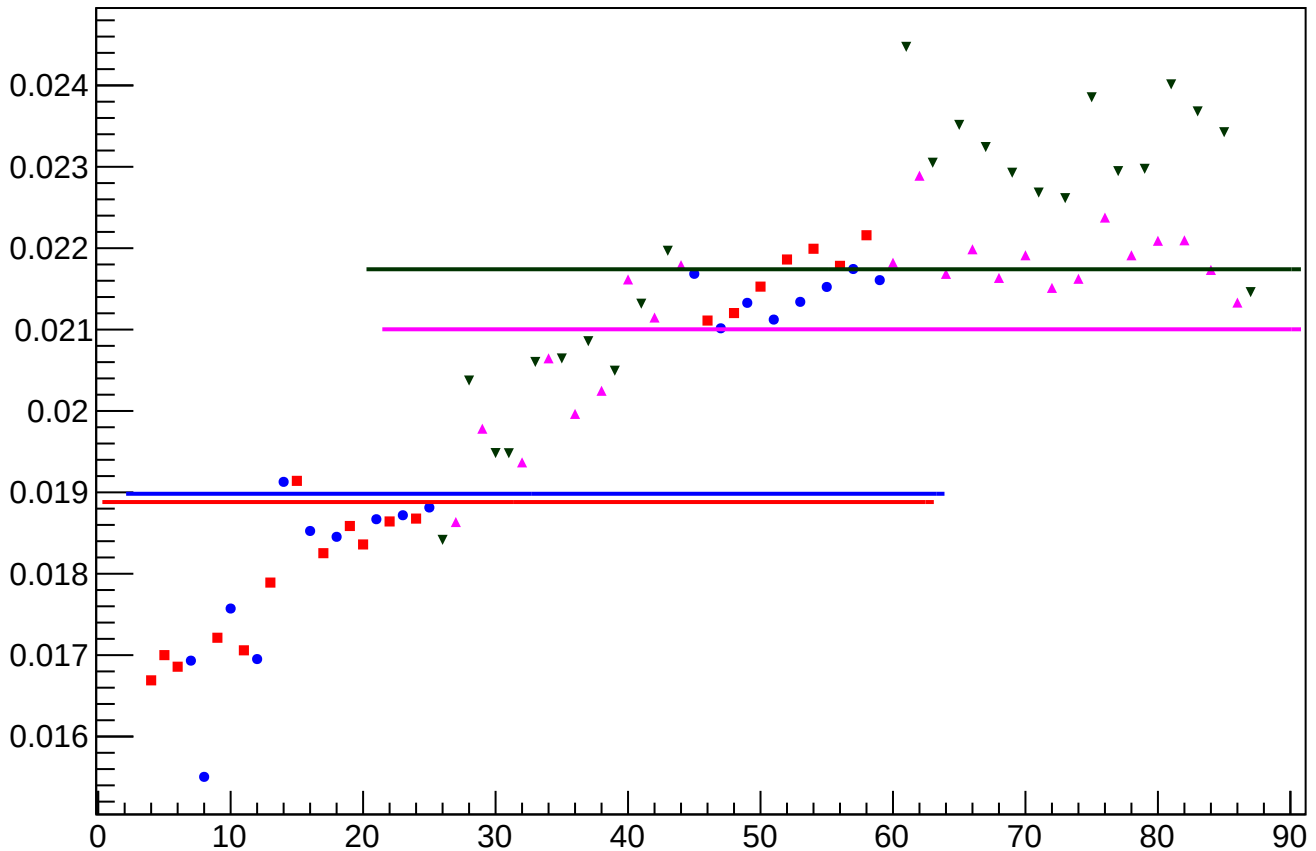
Right Out: -0.110+/-0.000 χ^2/NDF : 6259069670.0/18

Left In: 0.273+/-0.000 χ^2/NDF : 16034962973.0/22

0.078+/-0.000 χ^2/NDF : 23148043342.4/41

0.086+/-0.000 χ^2/NDF : 24360648185.1/41

yield_bpm2i02X_rms vs slug



Right In: 0.019+/-0.000 χ^2/NDF : 254927.5/17

Left Out: 0.022+/-0.000 χ^2/NDF :139026.7/23

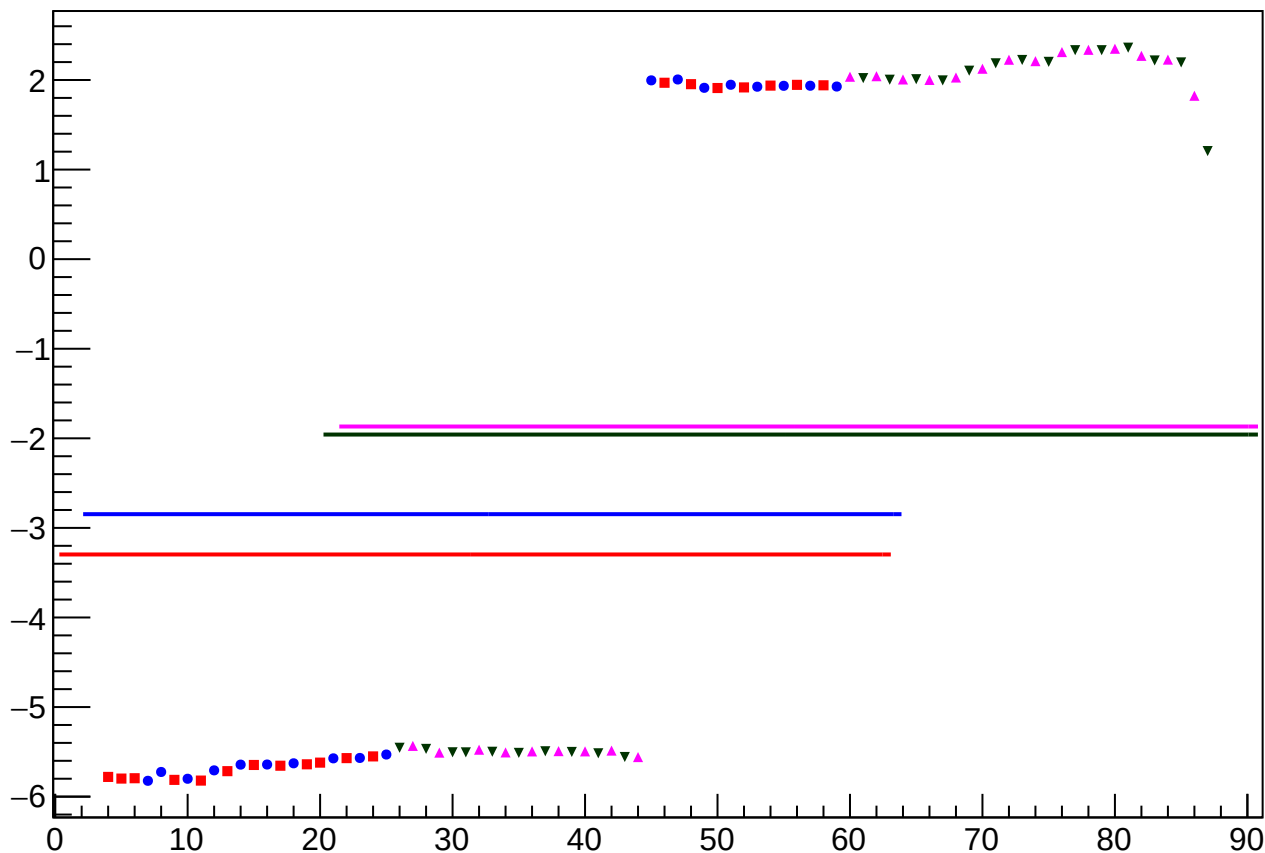
Right Out: 0.019+/-0.000 χ^2/NDF : 190553.3/18

Left In: 0.021+/-0.000 χ^2/NDF :80050.7/22

0.020+/-0.000 χ^2/NDF : 603921.8/41

0.020+/-0.000 χ^2/NDF : 397545.7/41

yield_bpm2i02Y_mean vs slug



Right In: -2.847+/-0.000 χ^2/NDF : 988085675921.2/17

Left Out: -1.958+/-0.000 χ^2/NDF : 1007164771408.4/23

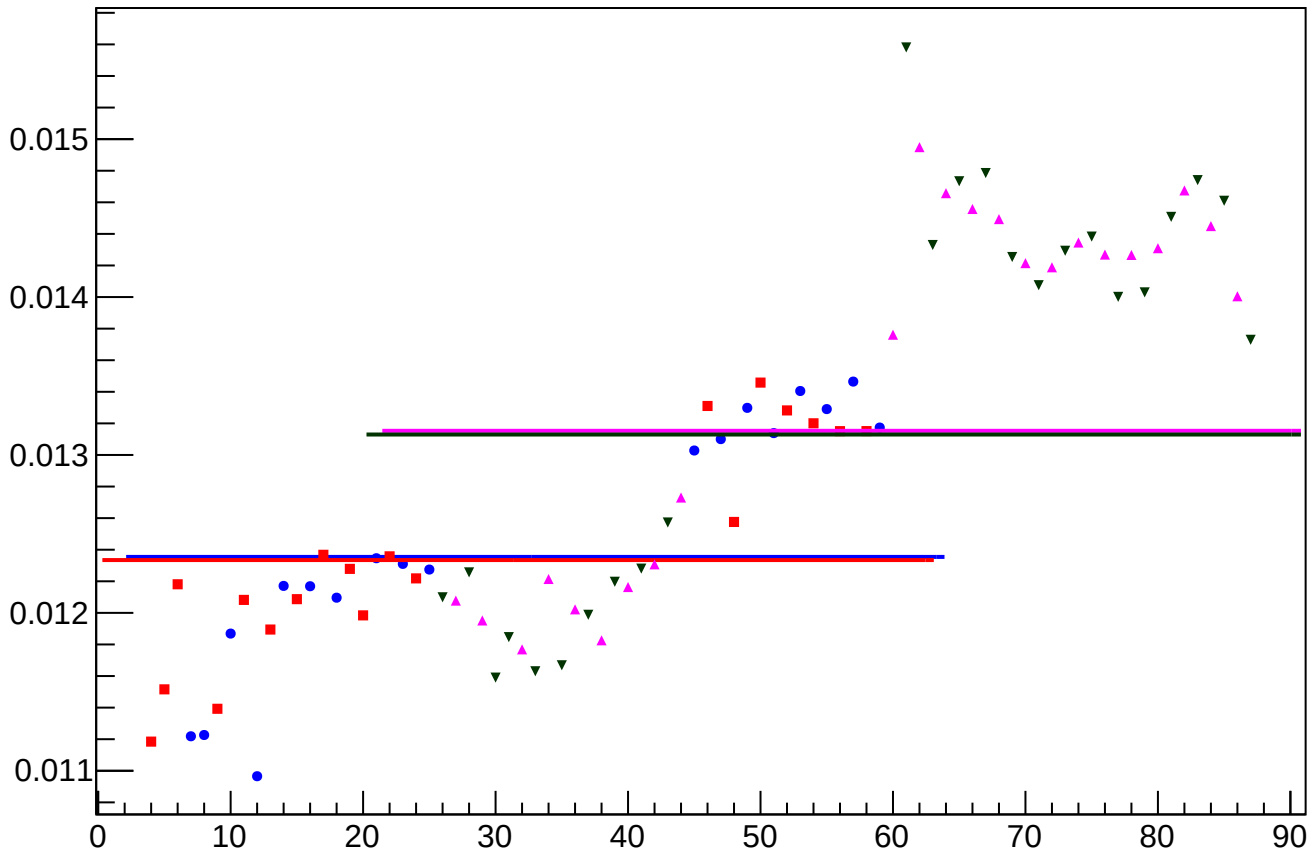
Right Out: -3.297+/-0.000 χ^2/NDF : 819050975647.4/18

Left In: -1.868+/-0.000 χ^2/NDF : 1068732306378.2/22

-2.414+/-0.000 χ^2/NDF : 2023282636772.2/41

-2.538+/-0.000 χ^2/NDF : 1958143639134.4/41

yield_bpm2i02Y_rms vs slug



Right In: 0.012 ± 0.000 χ^2/NDF : 89844.3/17

Left Out: 0.013 ± 0.000 χ^2/NDF : 217257.0/23

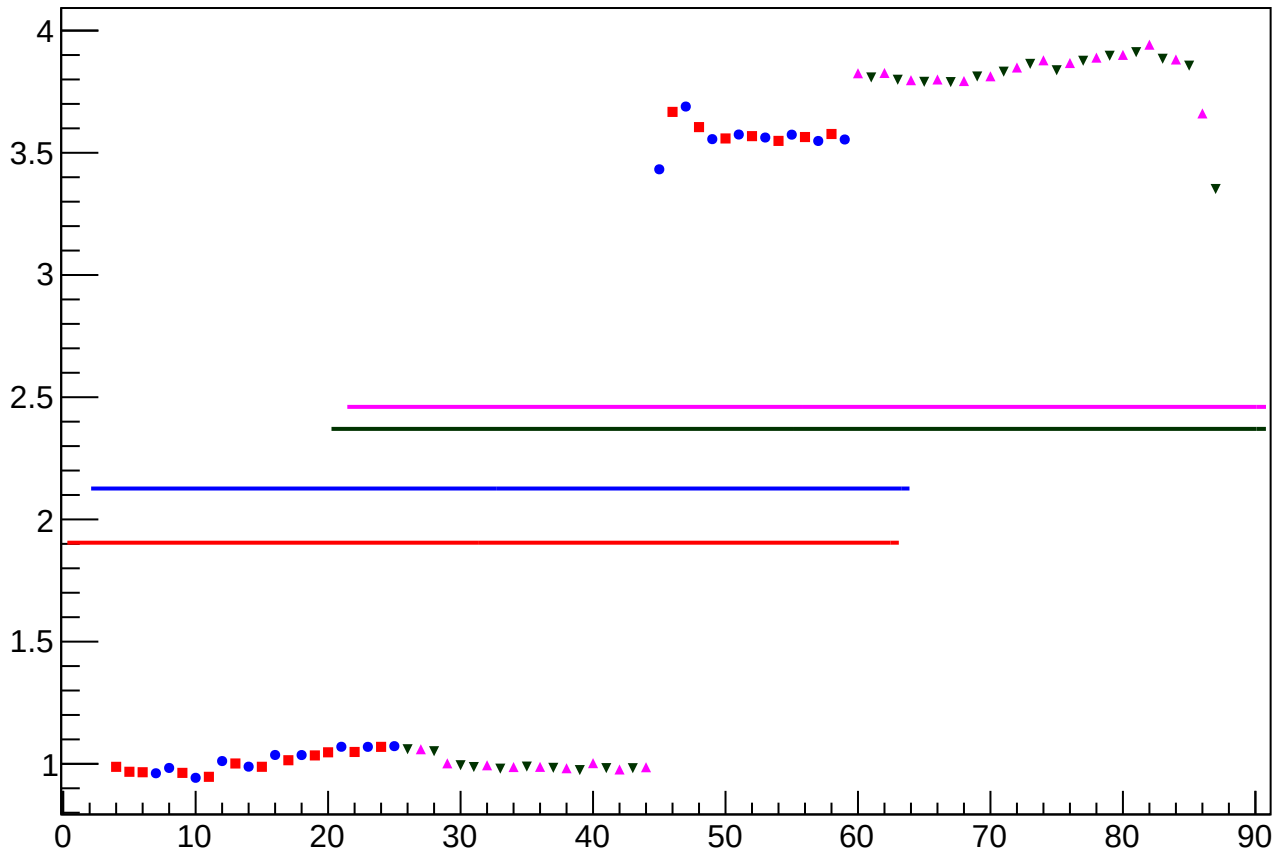
Right Out: 0.012 ± 0.000 χ^2/NDF : 54886.5/18

Left In: 0.013 ± 0.000 χ^2/NDF : 201487.8/22

0.013 ± 0.000 χ^2/NDF : 349733.2/41

0.013 ± 0.000 χ^2/NDF : 302579.6/41

yield_bpm1i04X_mean vs slug



Right In: 2.126+/-0.000 χ^2/NDF : 292632575878.4/17

Left Out: 2.370+/-0.000 χ^2/NDF : 370780193179.8/23

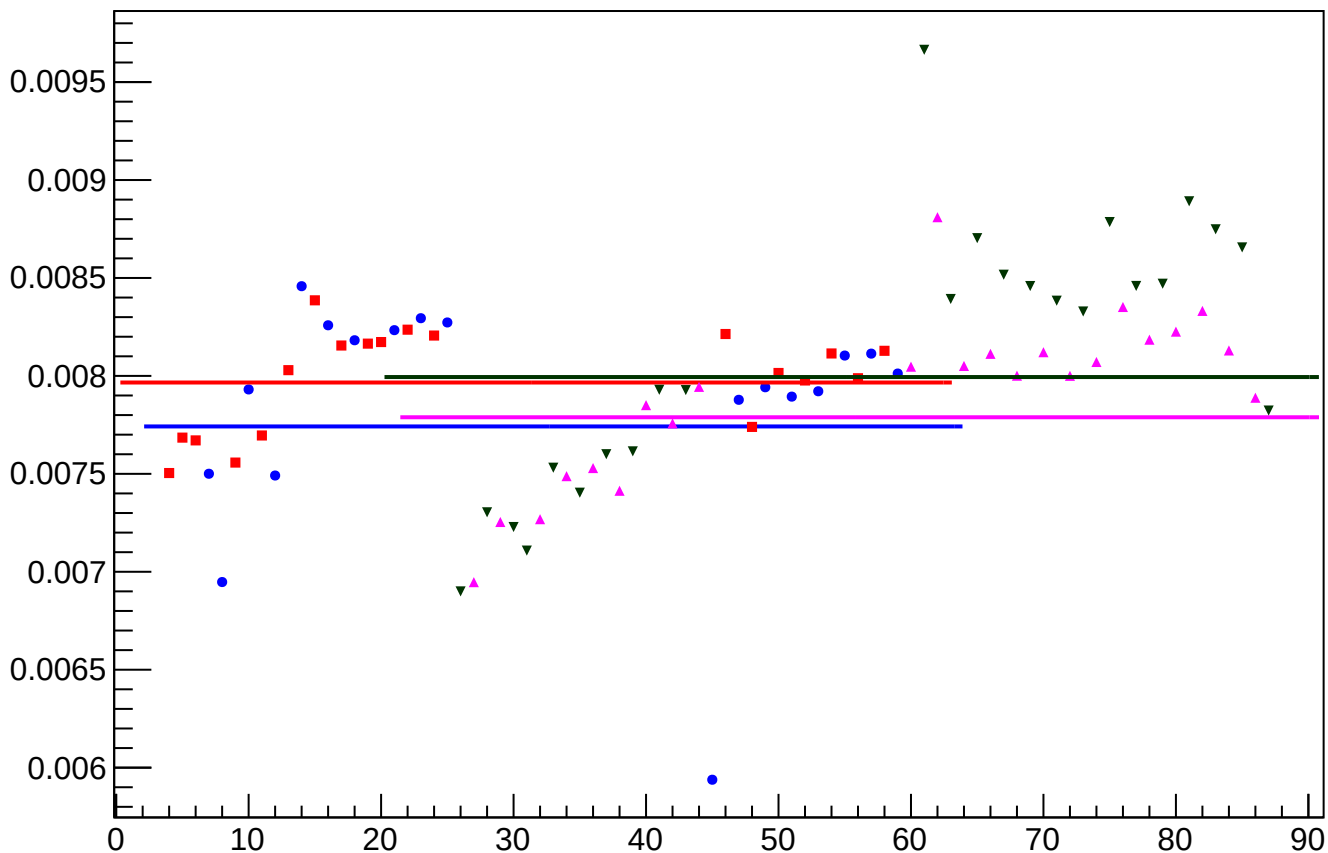
2.249+/-0.000 χ^2/NDF : 668904772463.9/41

Right Out: 1.905+/-0.000 χ^2/NDF : 236022966001.2/18

2.223+/-0.000 χ^2/NDF : 681678506235.1/41

Left In: 2.460+/-0.000 χ^2/NDF : 418179363076.9/22

yield_bpm1i04X_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 178907.2/17

Left Out: 0.008+/-0.000 χ^2/NDF :157624.6/23

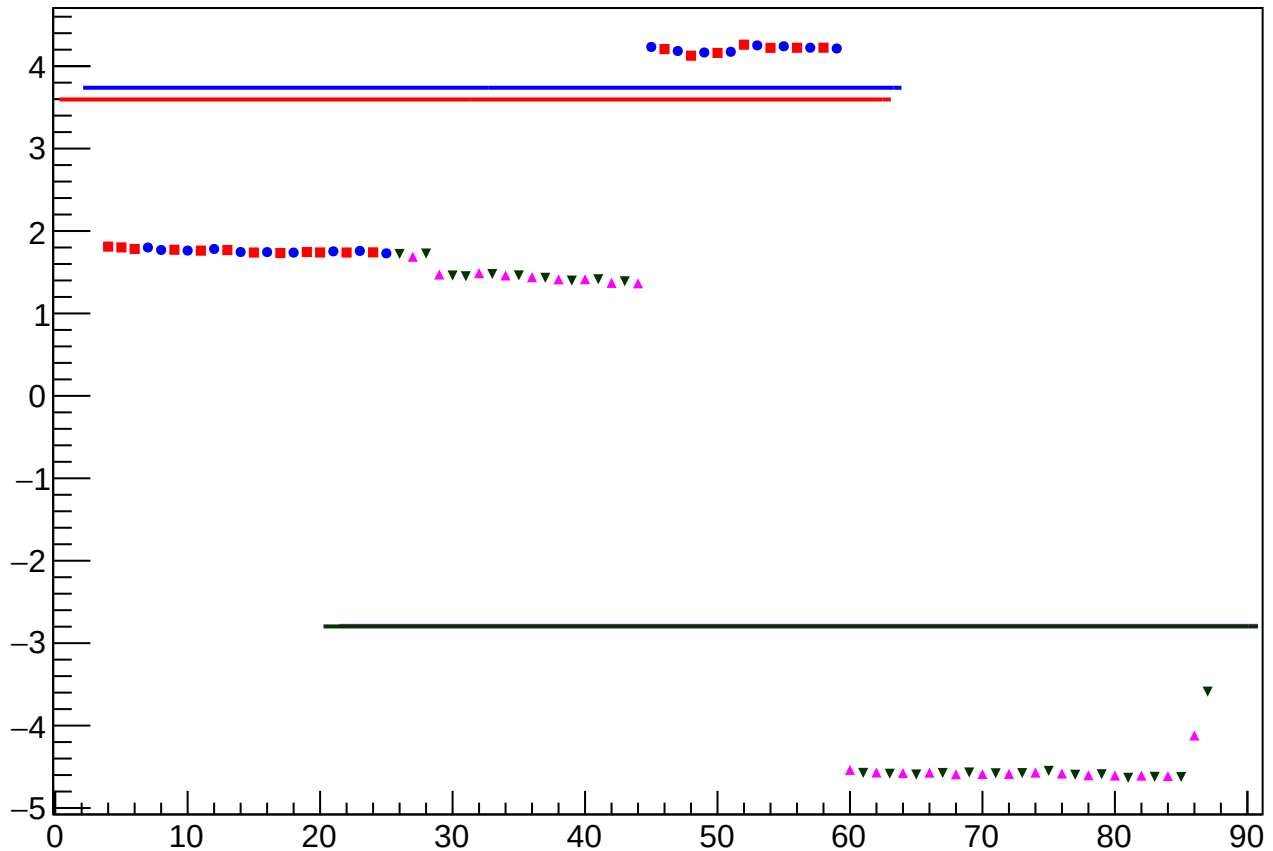
Right Out: 0.008+/-0.000 χ^2/NDF : 20073.5/18

Left In: 0.008+/-0.000 χ^2/NDF :85330.7/22

0.008+/-0.000 χ^2/NDF : 348269.2/41

0.008+/-0.000 χ^2/NDF : 111008.5/41

yield_bpm1i04Y_mean vs slug



Right In: 3.738+/-0.000 χ^2/NDF : 502669373965.6/17

Left Out: -2.797+/-0.000 χ^2/NDF : 4081386971645.5/23

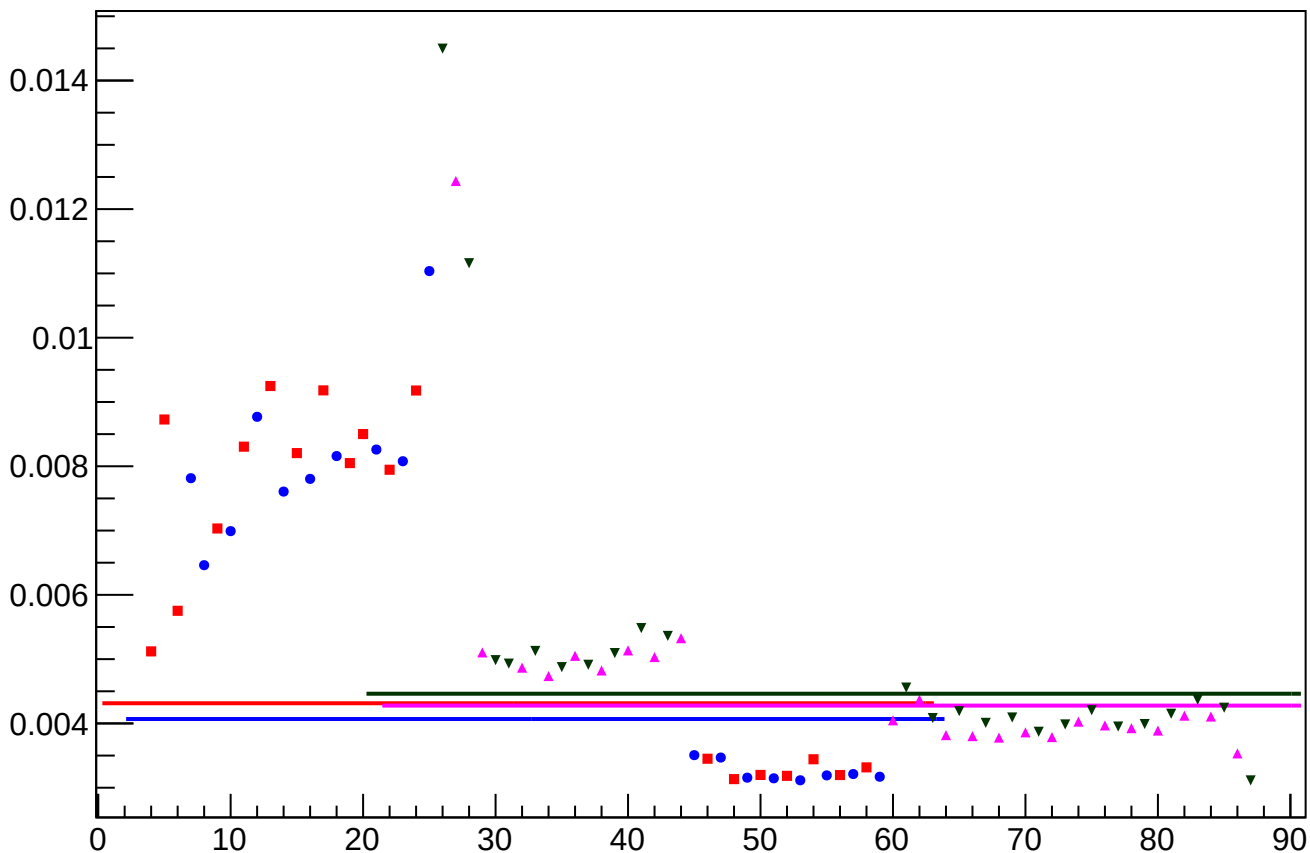
Right Out: 3.596+/-0.000 χ^2/NDF : 468031292414.6/18

Left In: -2.790+/-0.000 χ^2/NDF : 4770446166056.5/22

0.457+/-0.000 χ^2/NDF : 16155265793949.3/41

-0.264+/-0.000 χ^2/NDF : 15604148078914.6/41

yield_bpm1i04Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 3401724.5/17

Left Out: 0.004+/-0.000 χ^2/NDF :1201459.7/23

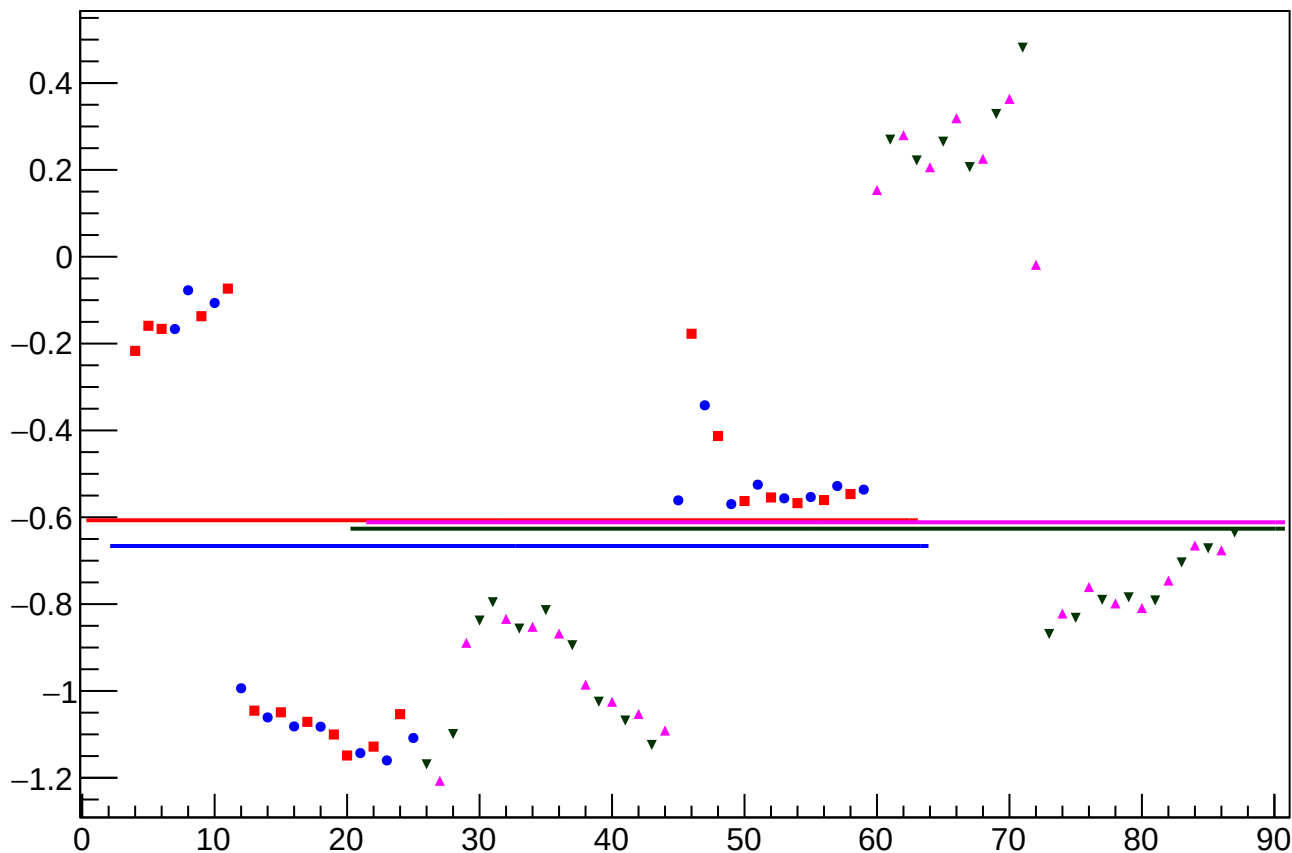
Right Out: 0.004+/-0.000 χ^2/NDF : 3241260.9/18

Left In: 0.004+/-0.000 χ^2/NDF :975638.0/22

0.004+/-0.000 χ^2/NDF : 4687115.3/41

0.004+/-0.000 χ^2/NDF : 4217574.3/41

yield_bpm0l01X_mean vs slug



Right In: -0.666+/-0.000 χ^2/NDF : 19135534349.5/17

Left Out: -0.626+/-0.000 χ^2/NDF : 40326028621.4/23

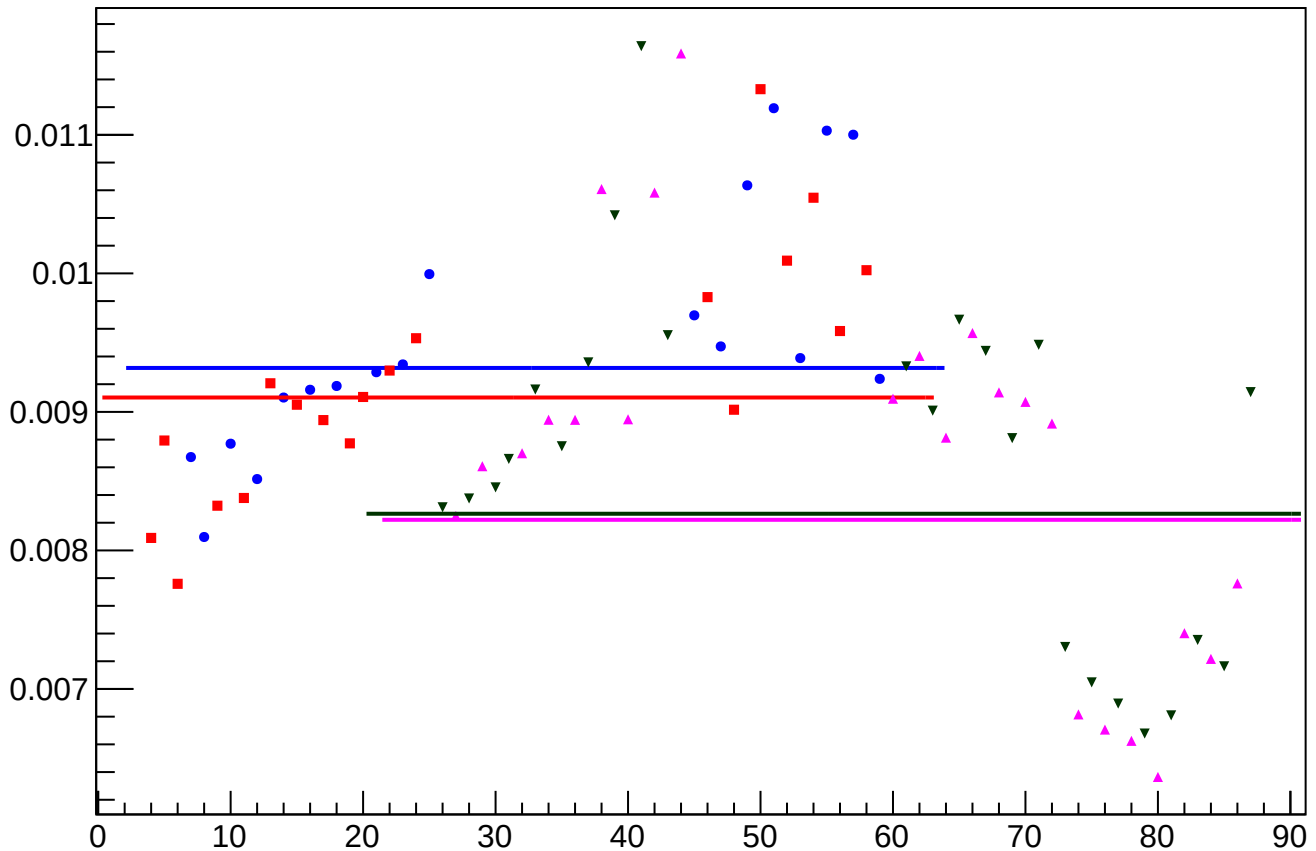
Right Out: -0.607+/-0.000 χ^2/NDF : 19217252419.4/18

Left In: -0.612+/-0.000 χ^2/NDF : 41367947821.1/22

-0.643+/-0.000 χ^2/NDF : 59576399677.6/41

-0.610+/-0.000 χ^2/NDF : 60586735033.1/41

yield_bpm0l01X_rms vs slug



Right In: 0.009 ± 0.000 χ^2/NDF : 165772.4/17

Left Out: 0.008 ± 0.000 χ^2/NDF : 502607.2/23

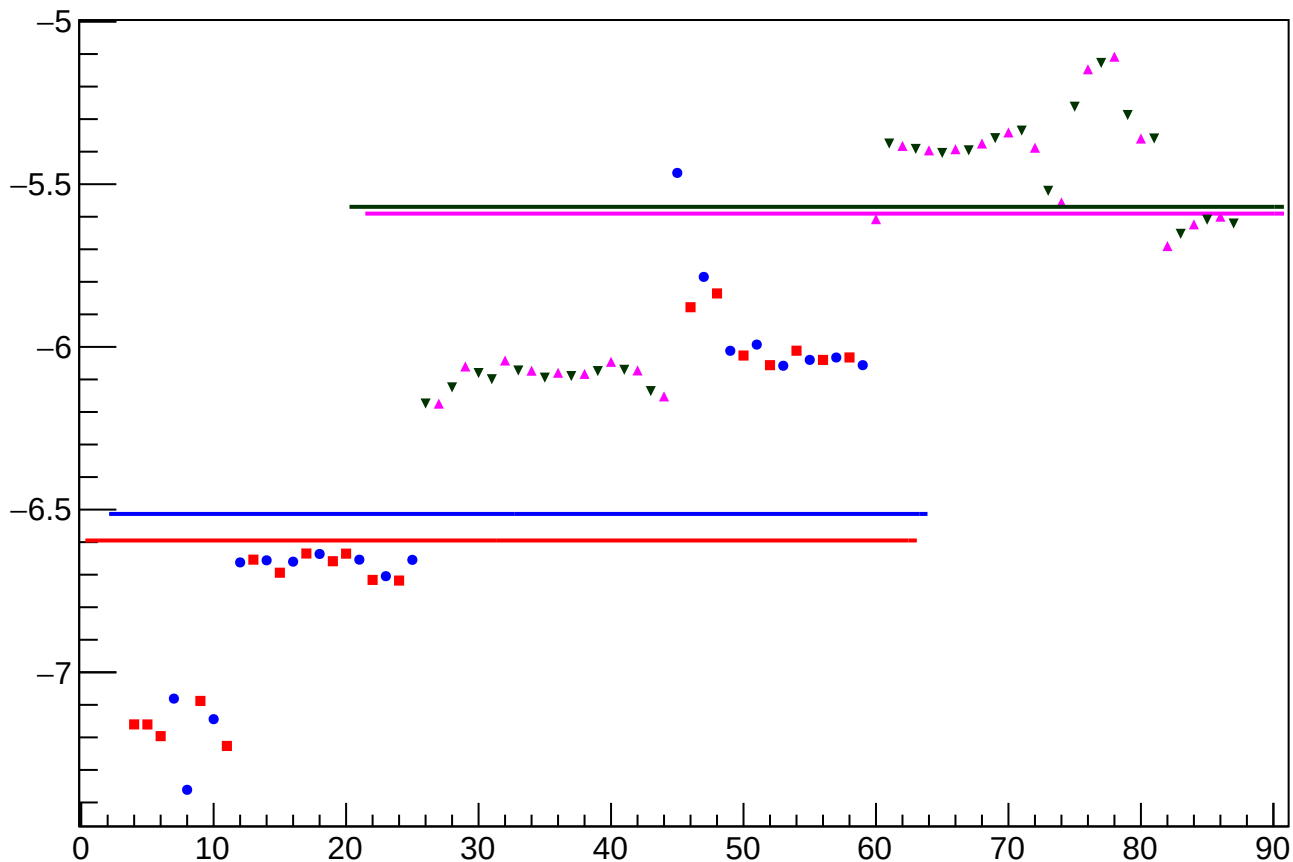
Right Out: 0.009 ± 0.000 χ^2/NDF : 159092.9/18

Left In: 0.008 ± 0.000 χ^2/NDF : 570302.5/22

0.009 ± 0.000 χ^2/NDF : 828180.3/41

0.009 ± 0.000 χ^2/NDF : 840395.9/41

yield_bpm0l01Y_mean vs slug



Right In: -6.513 $\pm$ 0.000 χ^2 /NDF: 34103178286.6/17

Left Out: -5.570 $\pm$ 0.000 χ^2 /NDF:23144557499.7/23

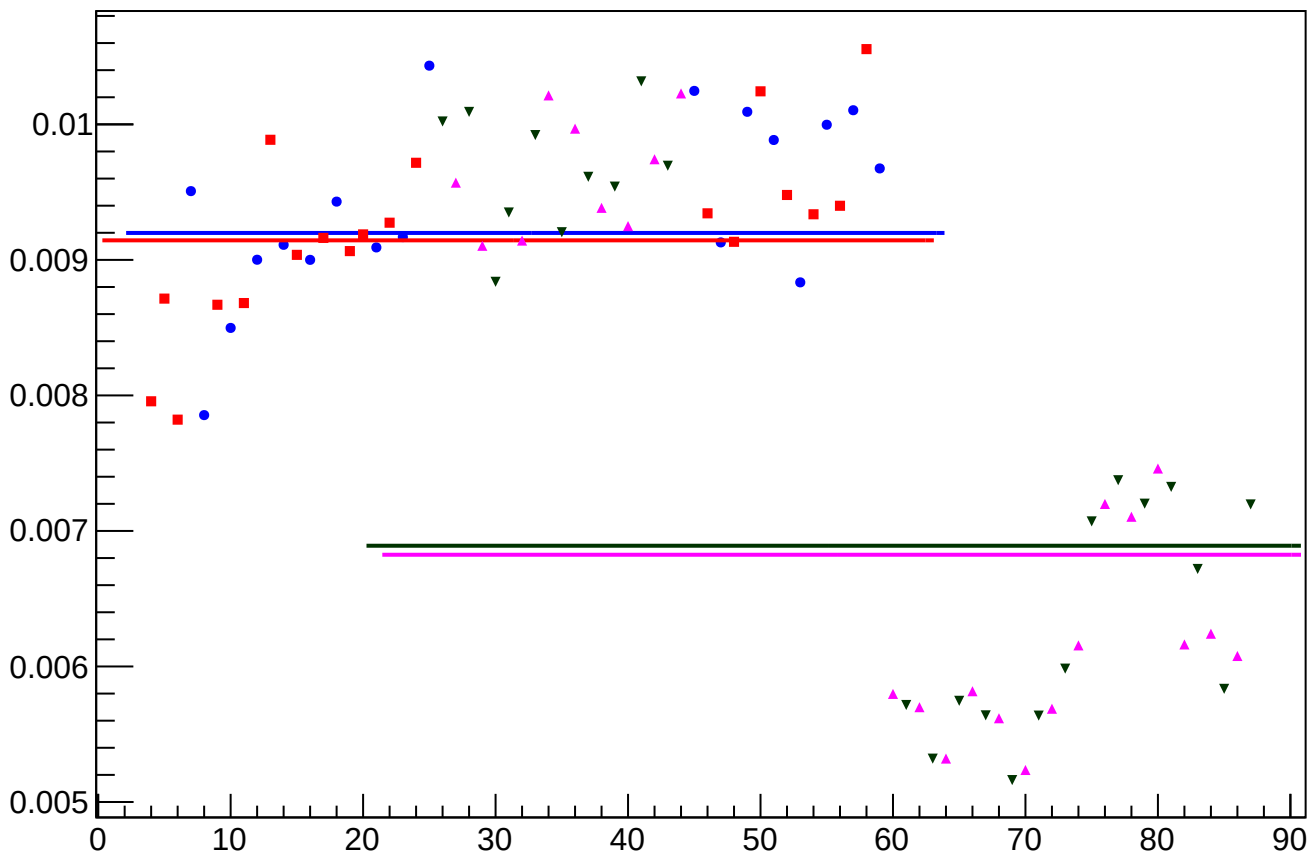
Right Out: -6.595 $\pm$ 0.000 χ^2 /NDF: 25777696502.6/18

Left In: -5.590 $\pm$ 0.000 χ^2 /NDF:24122698128.4/22

-5.906 $\pm$ 0.000 χ^2 /NDF: 130637615072.7/41

-5.901 $\pm$ 0.000 χ^2 /NDF: 129220745305.9/41

yield_bpm0l01Y_rms vs slug



Right In: 0.009 ± 0.000 χ^2/NDF : 120528.1/17

Left Out: 0.007 ± 0.000 χ^2/NDF : 1298014.0/23

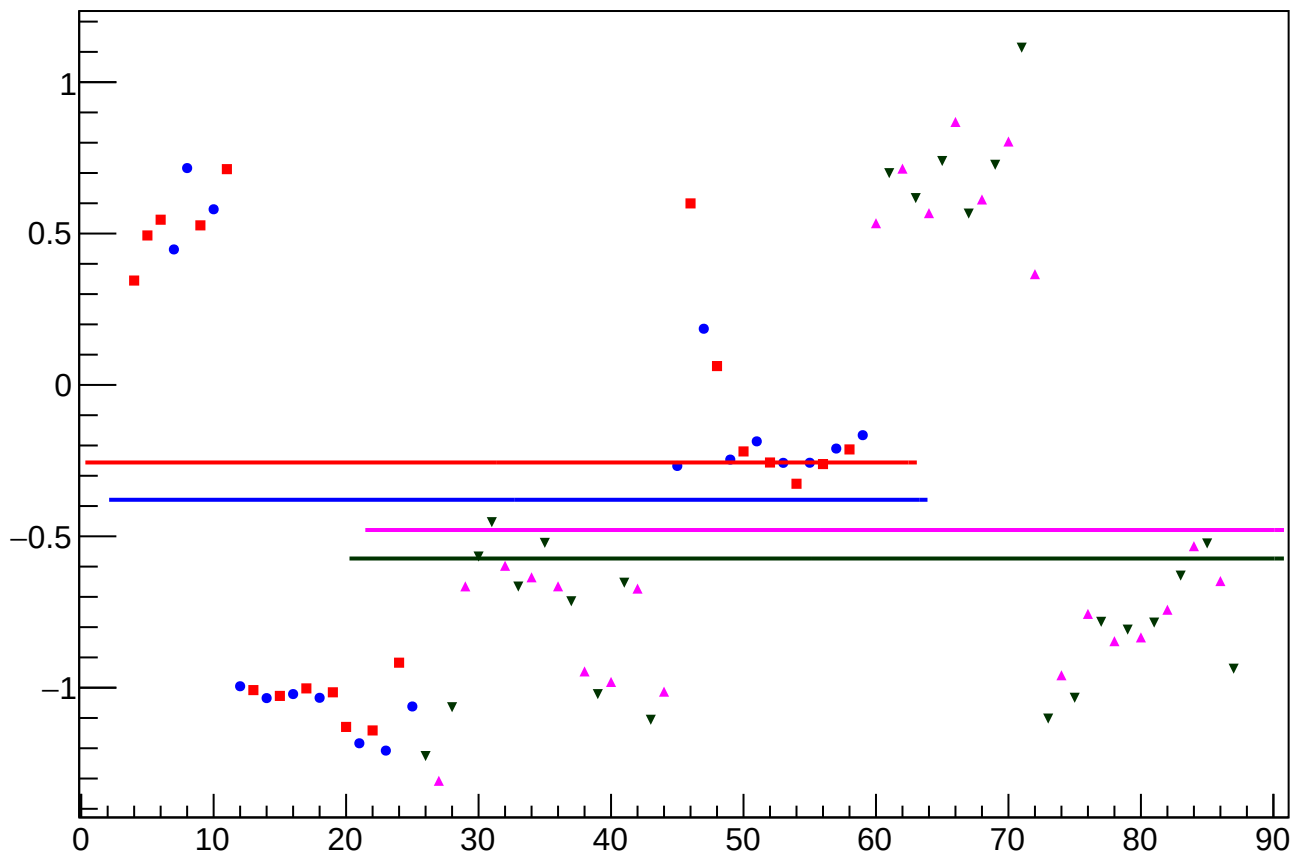
Right Out: 0.009 ± 0.000 χ^2/NDF : 101222.8/18

Left In: 0.007 ± 0.000 χ^2/NDF : 1316406.3/22

0.008 ± 0.000 χ^2/NDF : 2296401.7/41

0.008 ± 0.000 χ^2/NDF : 2263702.1/41

yield_bpm0l02X_mean vs slug



Right In: -0.379+/-0.000 χ^2/NDF : 10136750548.1/17

Left Out: -0.573+/-0.000 χ^2/NDF : 23339263564.1/23

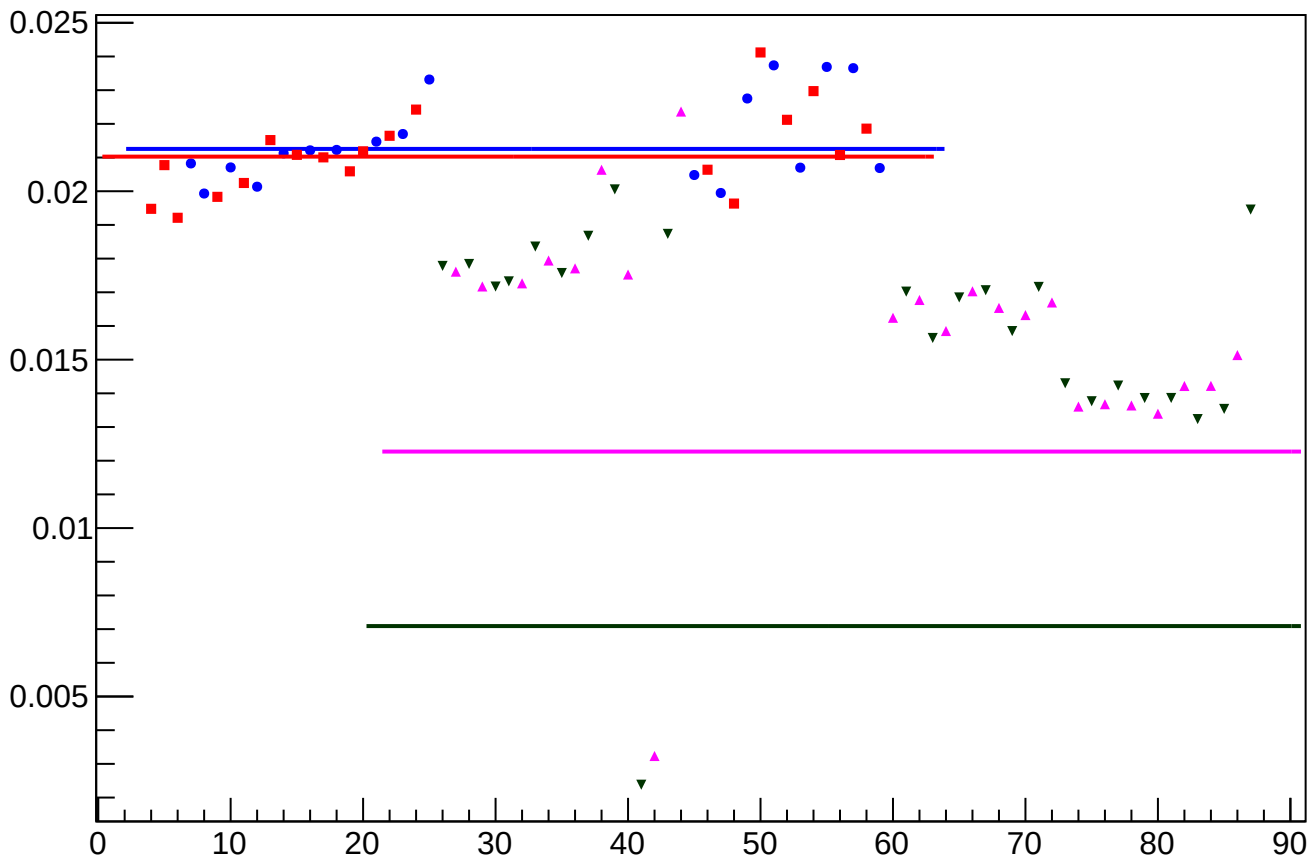
Right Out: -0.256+/-0.000 χ^2/NDF : 10103342122.6/18

Left In: -0.479+/-0.000 χ^2/NDF : 22071984258.7/22

-0.542+/-0.000 χ^2/NDF : 34245412048.9/41

-0.423+/-0.000 χ^2/NDF : 32998081209.5/41

yield_bpm0l02X_rms vs slug



Right In: 0.021+/-0.000 χ^2/NDF : 64142.6/17

Left Out: 0.007+/-0.000 χ^2/NDF : 10834028.9/23

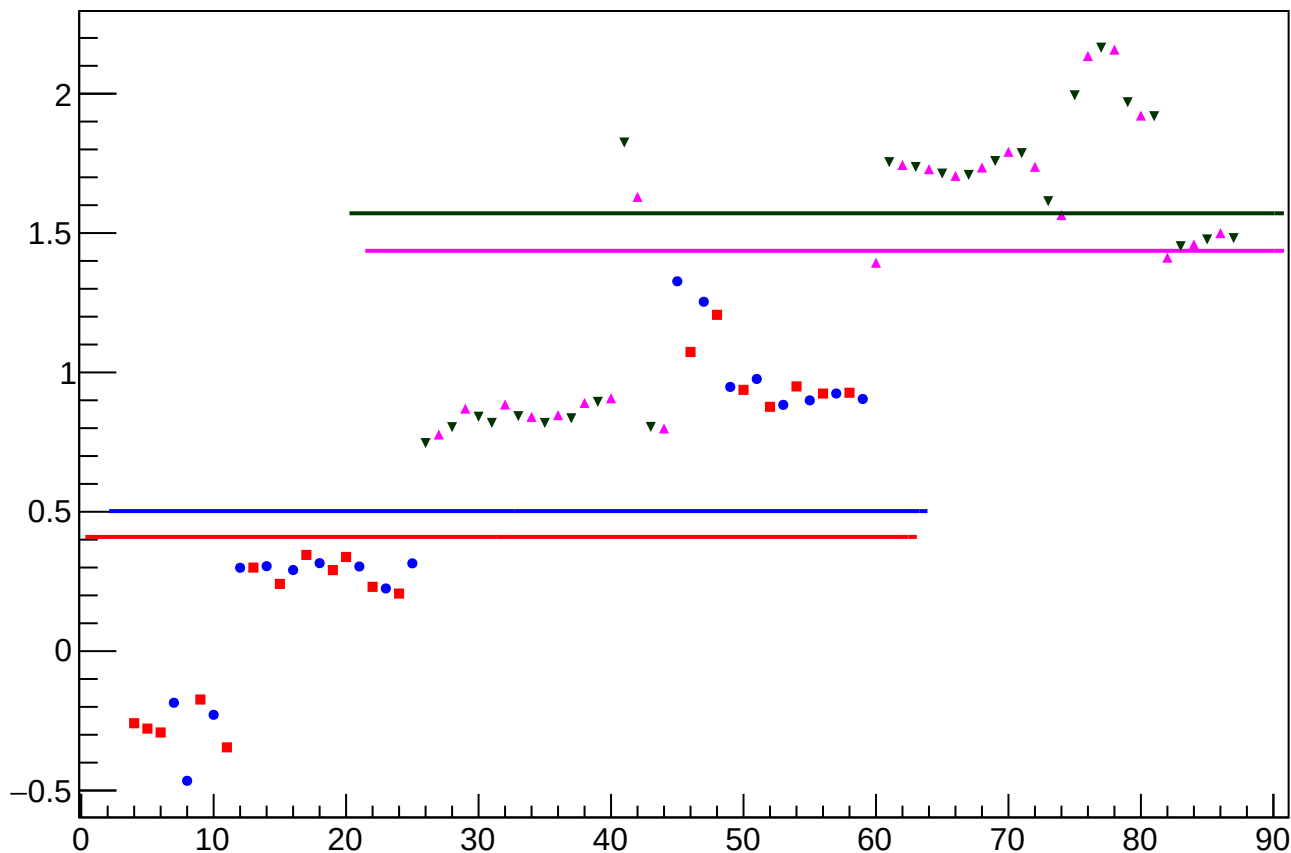
0.009+/-0.000 χ^2/NDF : 19104276.2/41

Right Out: 0.021+/-0.000 χ^2/NDF : 62886.6/18

0.014+/-0.000 χ^2/NDF : 7416885.6/41

Left In: 0.012+/-0.000 χ^2/NDF : 4817767.2/22

yield_bpm0l02Y_mean vs slug



Right In: 0.502 $\pm$ 0.000 χ^2 /NDF: 19155654908.3/17

Left Out: 1.571 $\pm$ 0.000 χ^2 /NDF: 26301699502.4/23

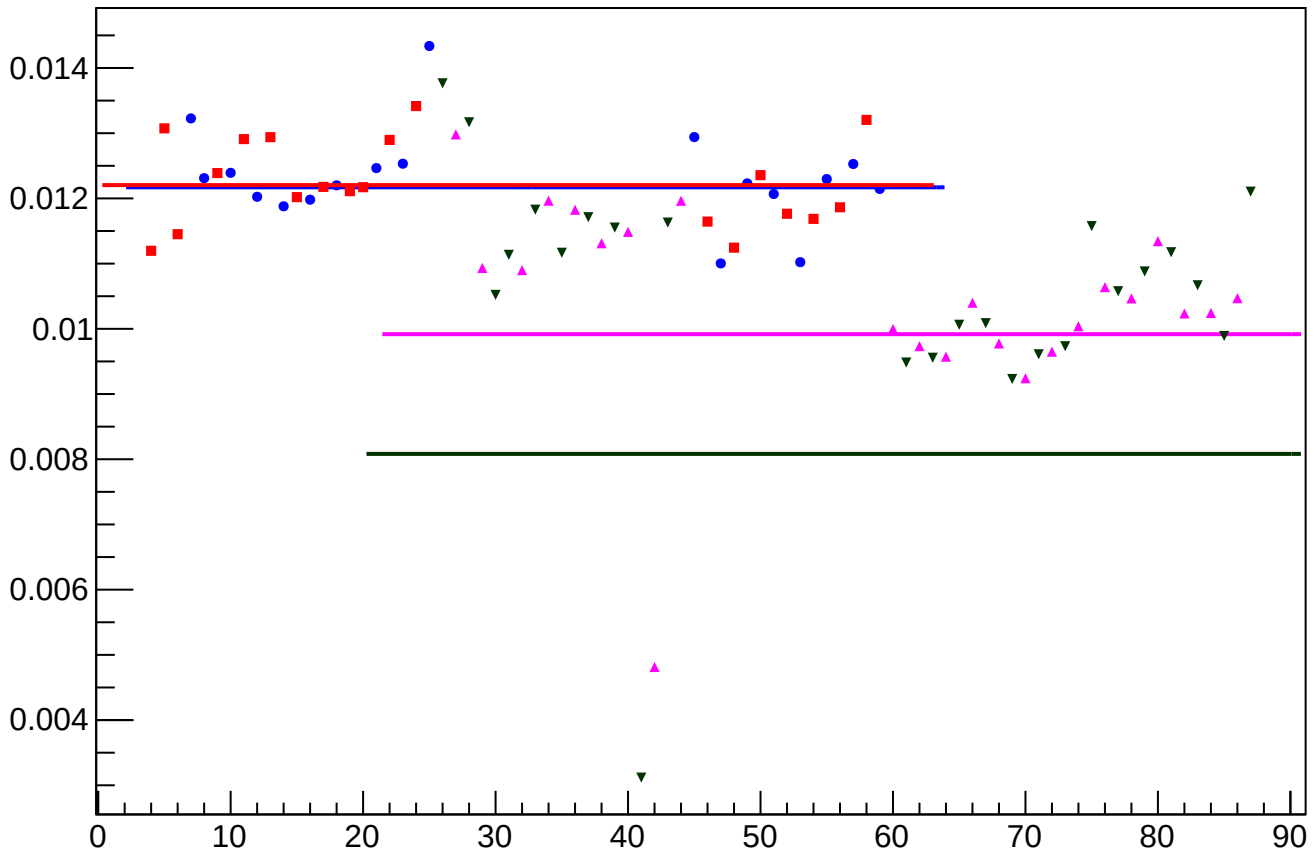
Right Out: 0.410 $\pm$ 0.000 χ^2 /NDF: 16439315084.0/18

Left In: 1.436 $\pm$ 0.000 χ^2 /NDF: 21855046722.1/22

1.216 $\pm$ 0.000 χ^2 /NDF: 101836045827.6/41

1.080 $\pm$ 0.000 χ^2 /NDF: 82766563686.8/41

yield_bpm0l02Y_rms vs slug



Right In: 0.012+/-0.000 χ^2/NDF : 45604.3/17

Left Out: 0.008+/-0.000 χ^2/NDF : 4053230.2/23

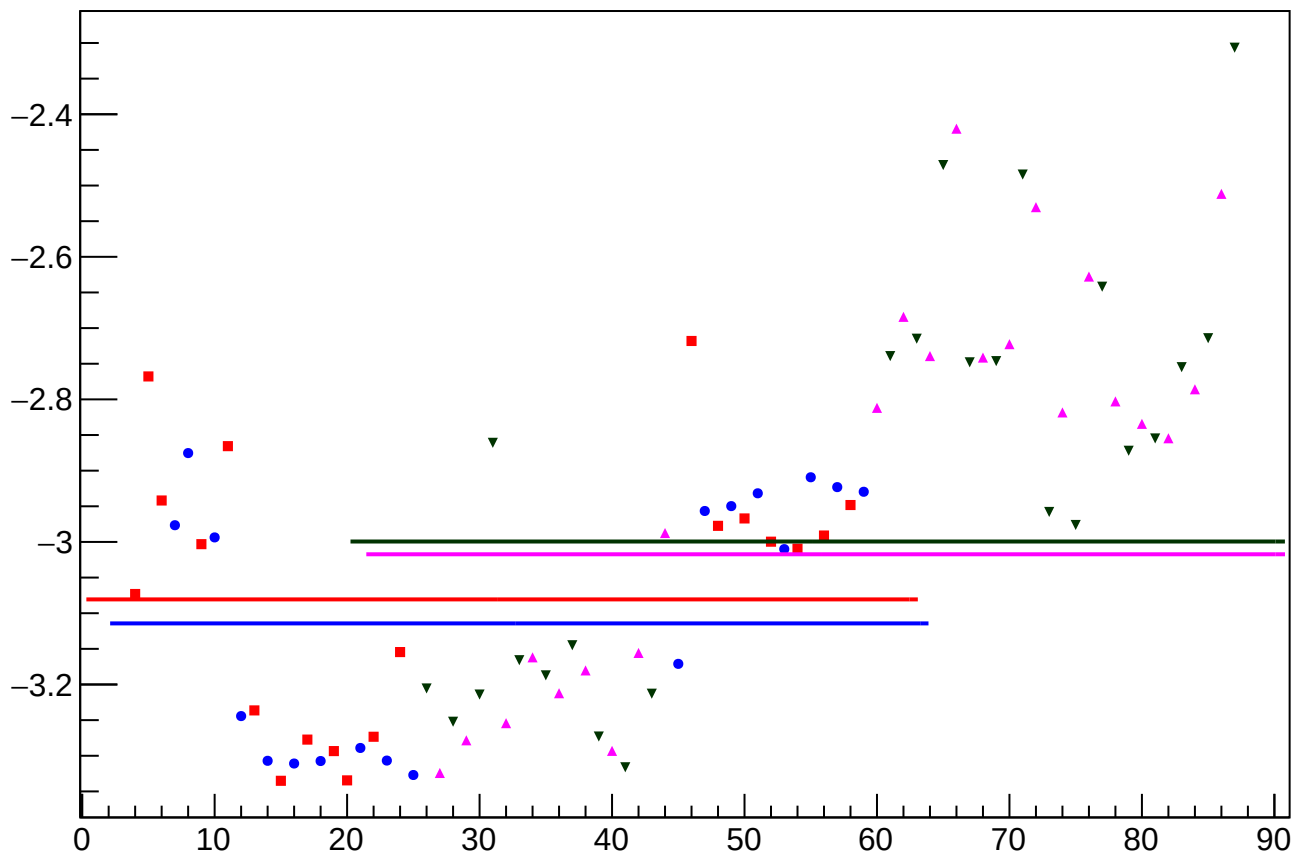
Right Out: 0.012+/-0.000 χ^2/NDF : 53181.0/18

Left In: 0.010+/-0.000 χ^2/NDF : 1024456.6/22

0.009+/-0.000 χ^2/NDF : 5749061.2/41

0.011+/-0.000 χ^2/NDF : 1518725.8/41

yield_bpm0l03X_mean vs slug



Right In: -3.114+/-0.000 χ^2/NDF : 4627659924.1/17

Left Out: -2.999+/-0.000 χ^2/NDF : 12888287370.4/23

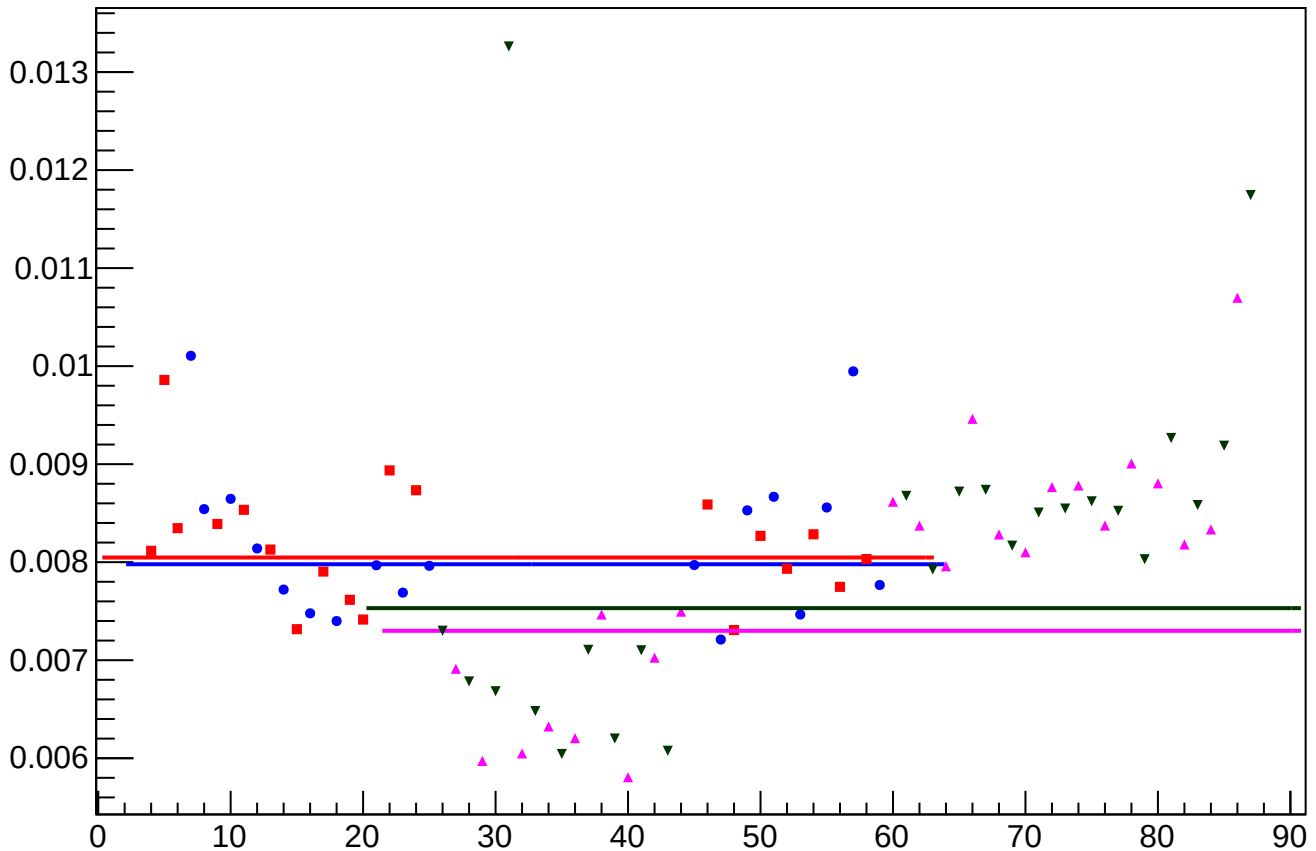
Right Out: -3.081+/-0.000 χ^2/NDF : 3839311184.0/18

Left In: -3.017+/-0.000 χ^2/NDF : 15090142723.4/22

-3.051+/-0.000 χ^2/NDF : 18604096467.5/41

-3.042+/-0.000 χ^2/NDF : 19246220095.6/41

yield_bpm0l03X_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 95241.7/17

Left Out: 0.008+/-0.000 χ^2/NDF : 537458.0/23

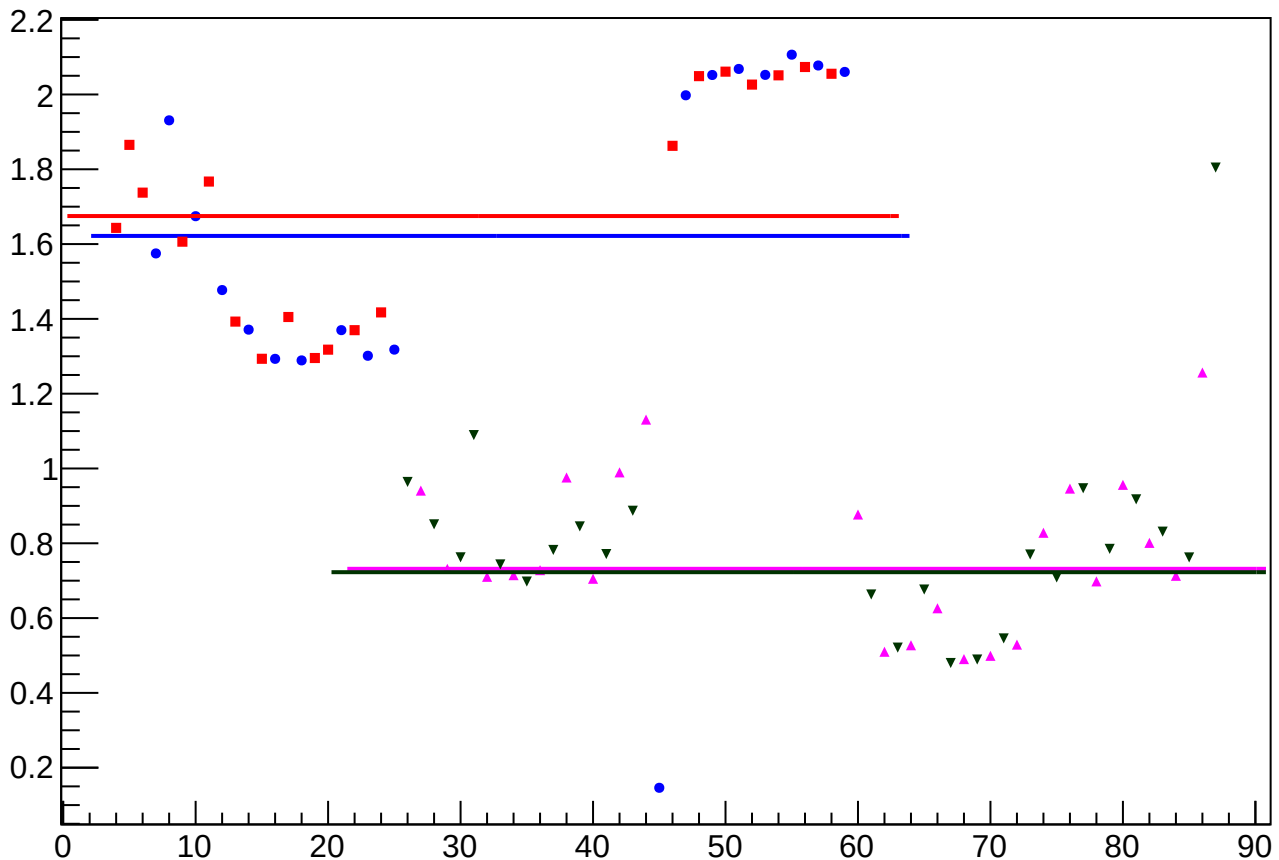
Right Out: 0.008+/-0.000 χ^2/NDF : 57509.8/18

Left In: 0.007+/-0.000 χ^2/NDF : 588856.3/22

0.008+/-0.000 χ^2/NDF : 665770.3/41

0.008+/-0.000 χ^2/NDF : 734739.1/41

yield_bpm0l03Y_mean vs slug



Right In: 1.622 $\pm$ 0.000 χ^2/NDF : 26006902897.9/17

Left Out: 0.723 $\pm$ 0.000 χ^2/NDF : 6610195369.6/23

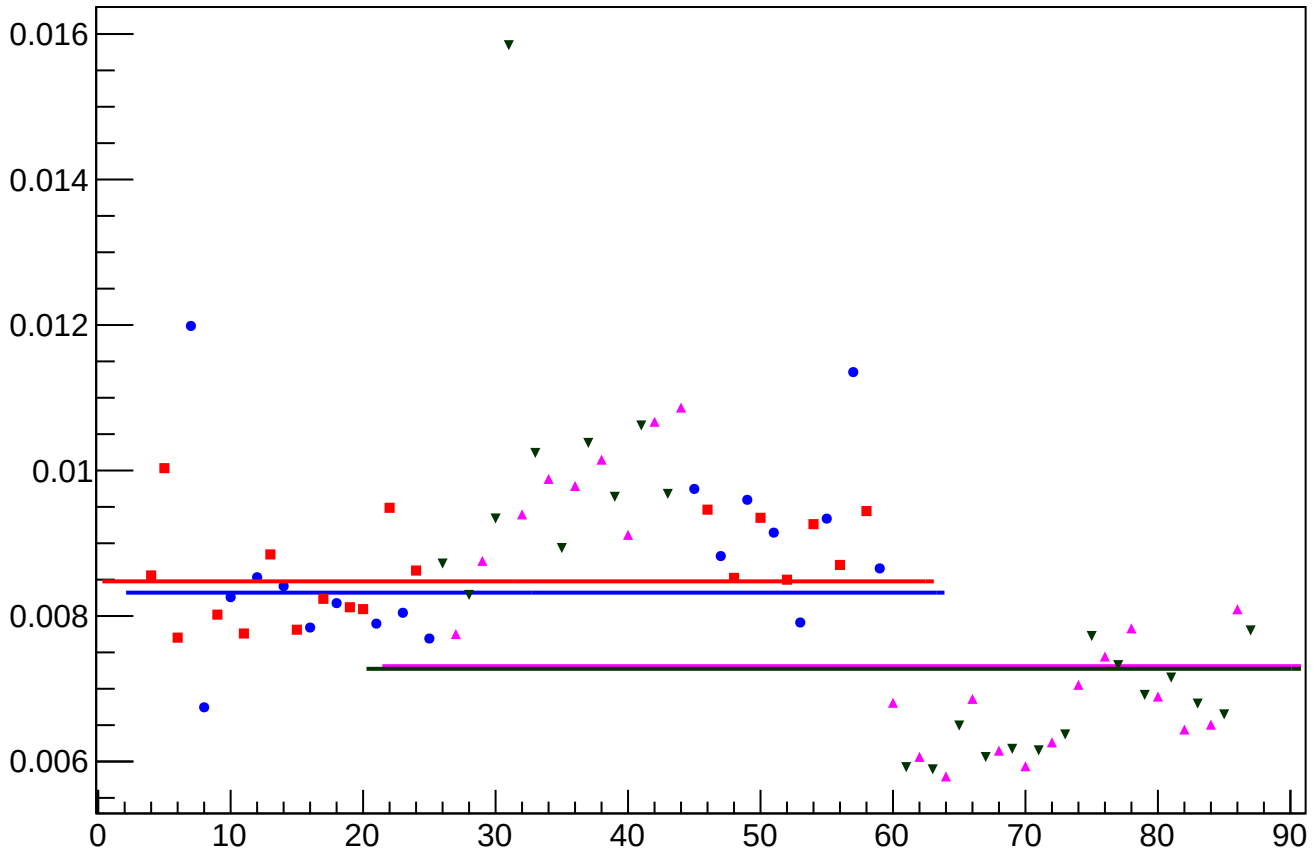
1.097 $\pm$ 0.000 χ^2/NDF : 96349386126.2/41

Right Out: 1.675 $\pm$ 0.000 χ^2/NDF : 9809193440.2/18

1.076 $\pm$ 0.000 χ^2/NDF : 81654906103.4/41

Left In: 0.732 $\pm$ 0.000 χ^2/NDF : 7520018743.7/22

yield_bpm0l03Y_rms vs slug



Right In: 0.008 $\pm$ 0.000 χ^2/NDF : 231289.2/17

Left Out: 0.007 $\pm$ 0.000 χ^2/NDF : 886849.6/23

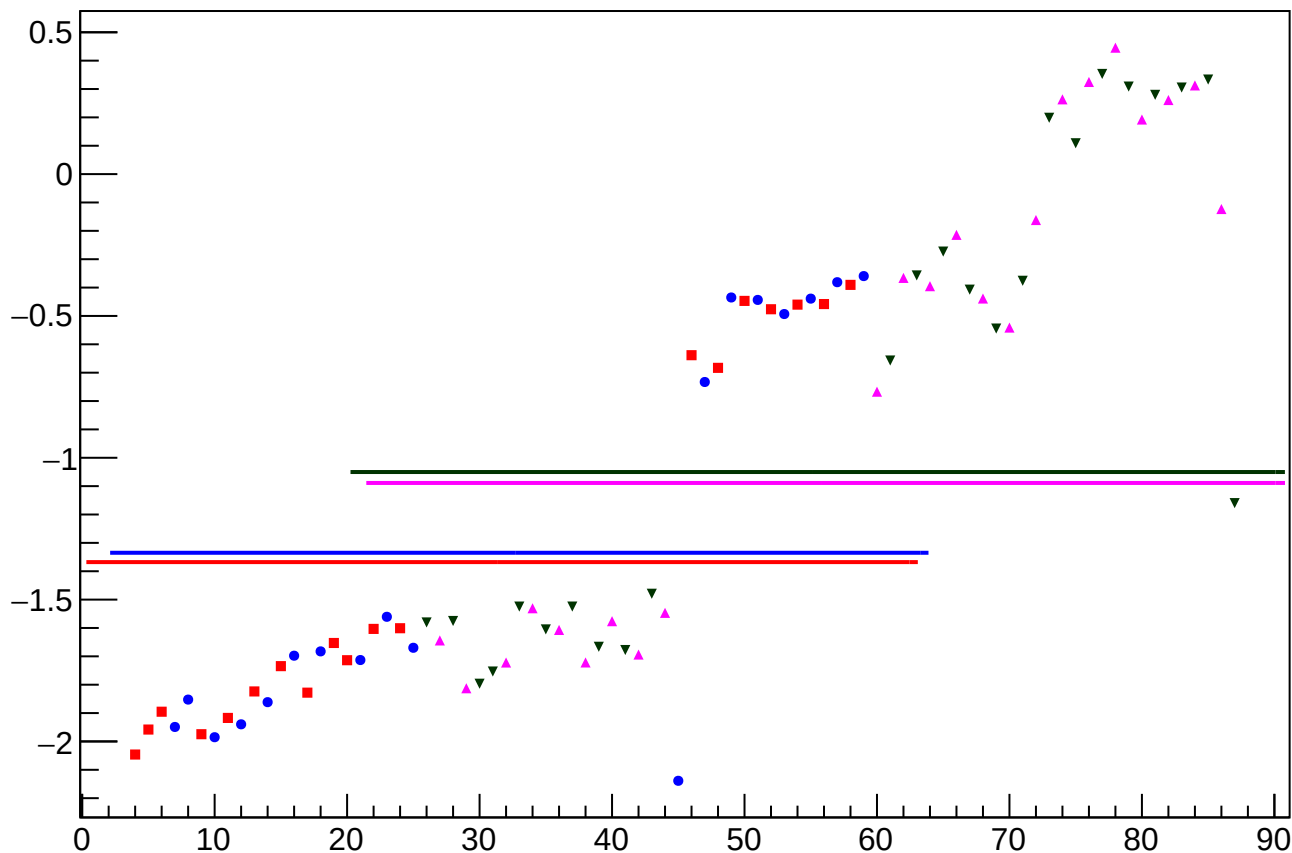
Right Out: 0.008 $\pm$ 0.000 χ^2/NDF : 80155.6/18

Left In: 0.007 $\pm$ 0.000 χ^2/NDF : 781506.8/22

0.008 $\pm$ 0.000 χ^2/NDF : 1290974.3/41

0.008 $\pm$ 0.000 χ^2/NDF : 1058162.9/41

yield_bpm0l04X_mean vs slug



Right In: -1.335+/-0.000 χ^2/NDF : 38397269291.9/17

Left Out: -1.050+/-0.000 χ^2/NDF : 35203956518.7/23

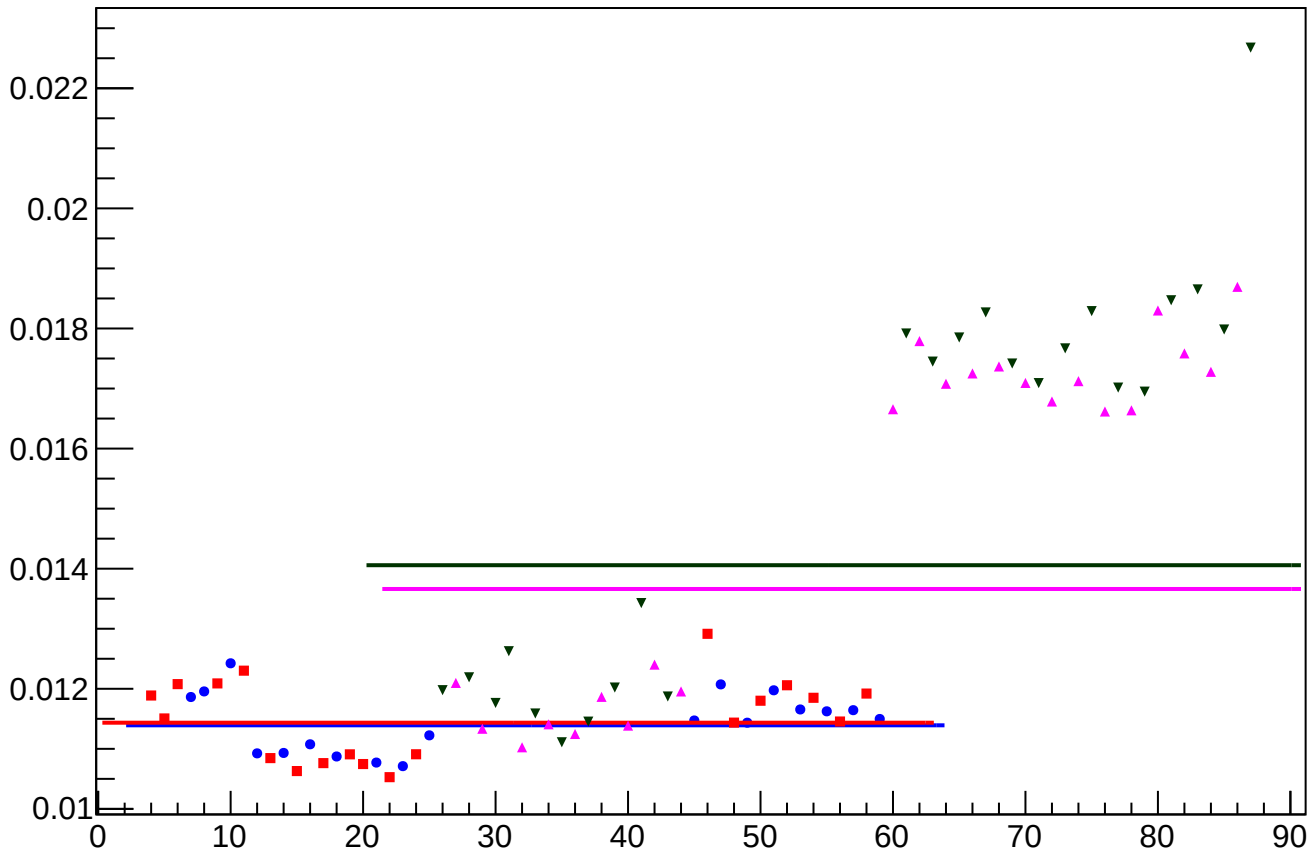
Right Out: -1.368+/-0.000 χ^2/NDF : 29057521992.7/18

Left In: -1.089+/-0.000 χ^2/NDF : 41699620544.1/22

-1.220+/-0.000 χ^2/NDF : 76386707135.1/41

-1.237+/-0.000 χ^2/NDF : 73480110295.8/41

yield_bpm0l04X_rms vs slug



Right In: 0.011+/-0.000 χ^2/NDF : 41989.4/17

Left Out: 0.014+/-0.000 χ^2/NDF :950339.7/23

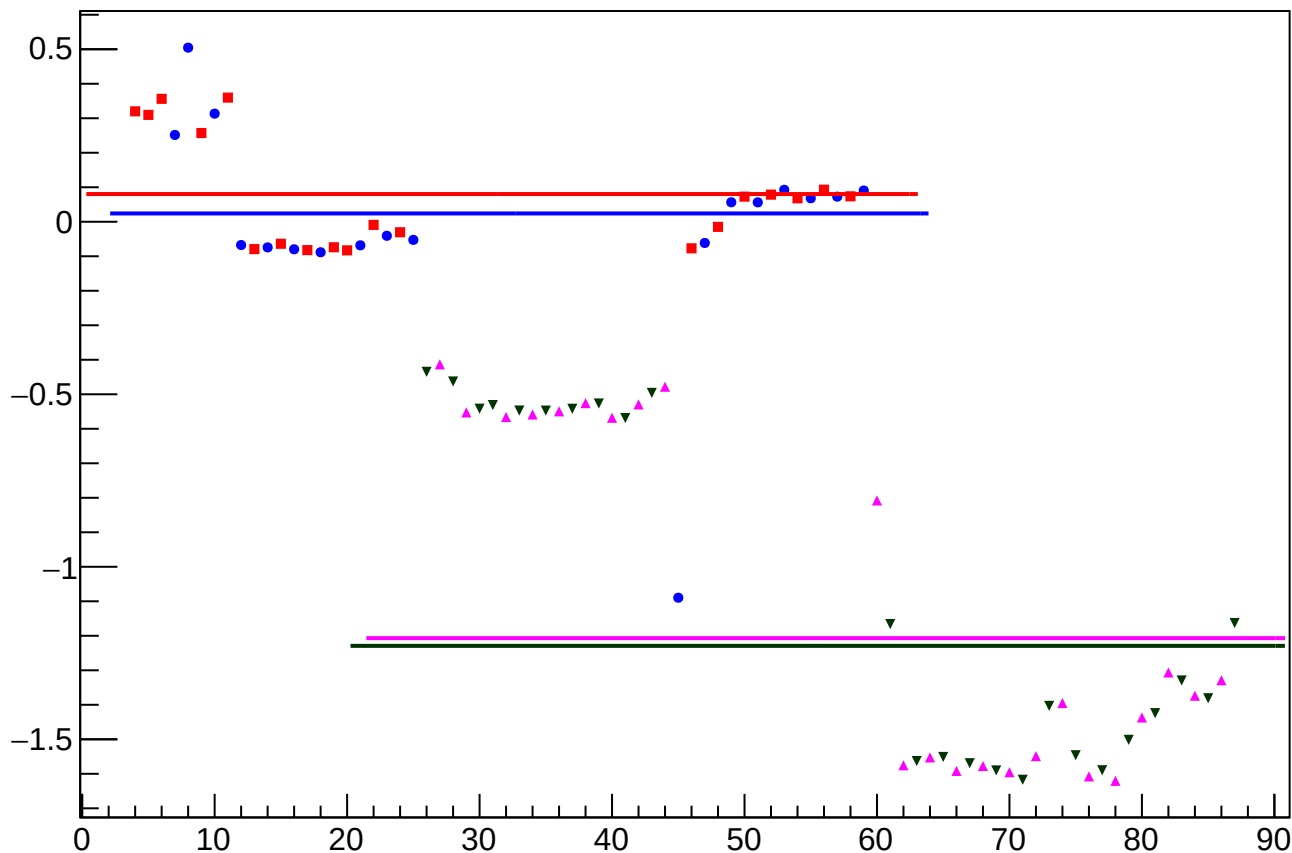
Right Out: 0.011+/-0.000 χ^2/NDF : 65676.1/18

Left In: 0.014+/-0.000 χ^2/NDF :1021570.4/22

0.012+/-0.000 χ^2/NDF : 1481105.8/41

0.012+/-0.000 χ^2/NDF : 1434076.6/41

yield_bpm0l04Y_mean vs slug



Right In: 0.024+/-0.000 χ^2/NDF : 18234538167.9/17

Left Out: -1.229+/-0.000 χ^2/NDF : 57832368809.6/23

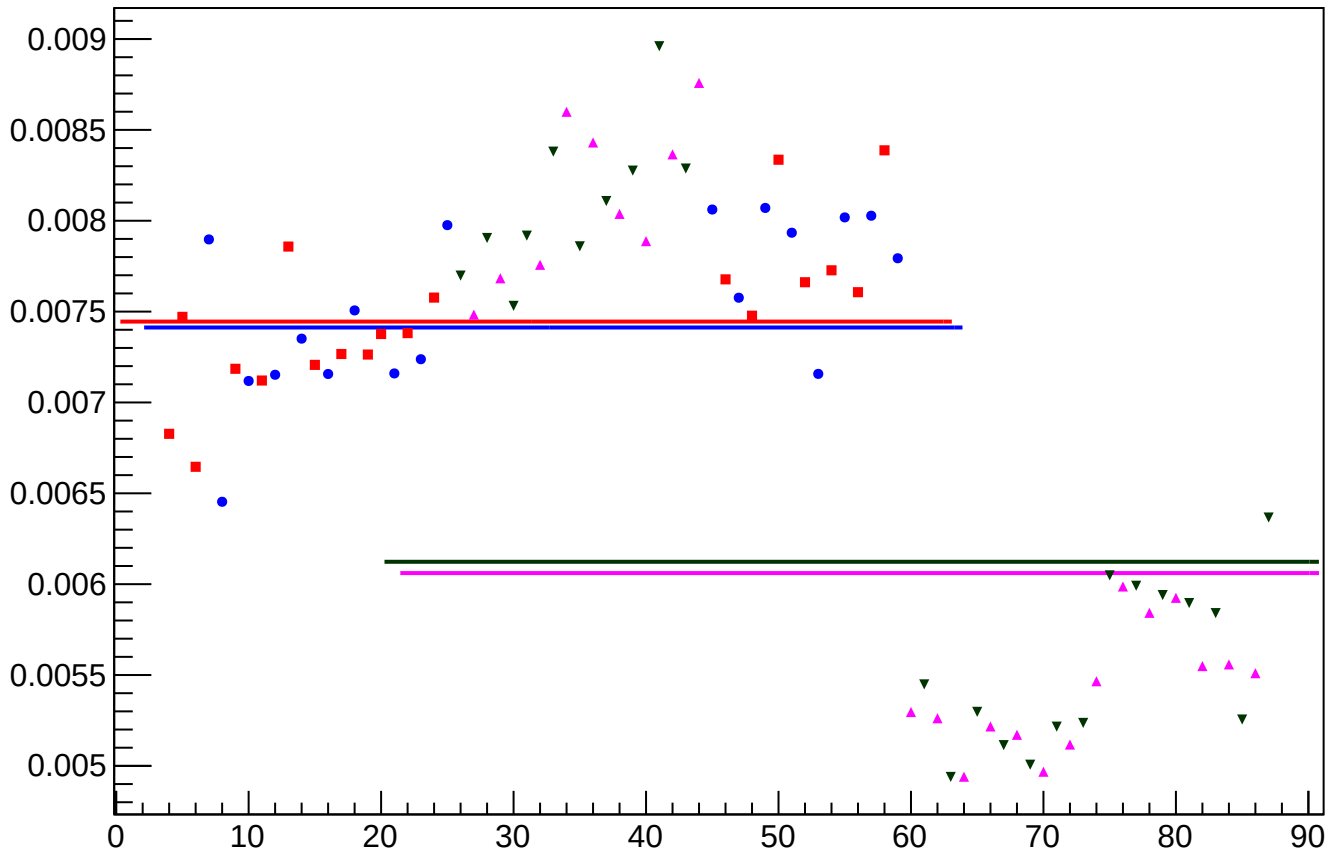
Right Out: 0.080+/-0.000 χ^2/NDF : 4561023053.2/18

Left In: -1.207+/-0.000 χ^2/NDF : 66021877523.9/22

-0.730+/-0.000 χ^2/NDF : 263328611296.2/41

-0.764+/-0.000 χ^2/NDF : 258256536816.4/41

yield_bpm0l04Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 91120.7/17

Left Out: 0.006+/-0.000 χ^2/NDF : 899726.7/23

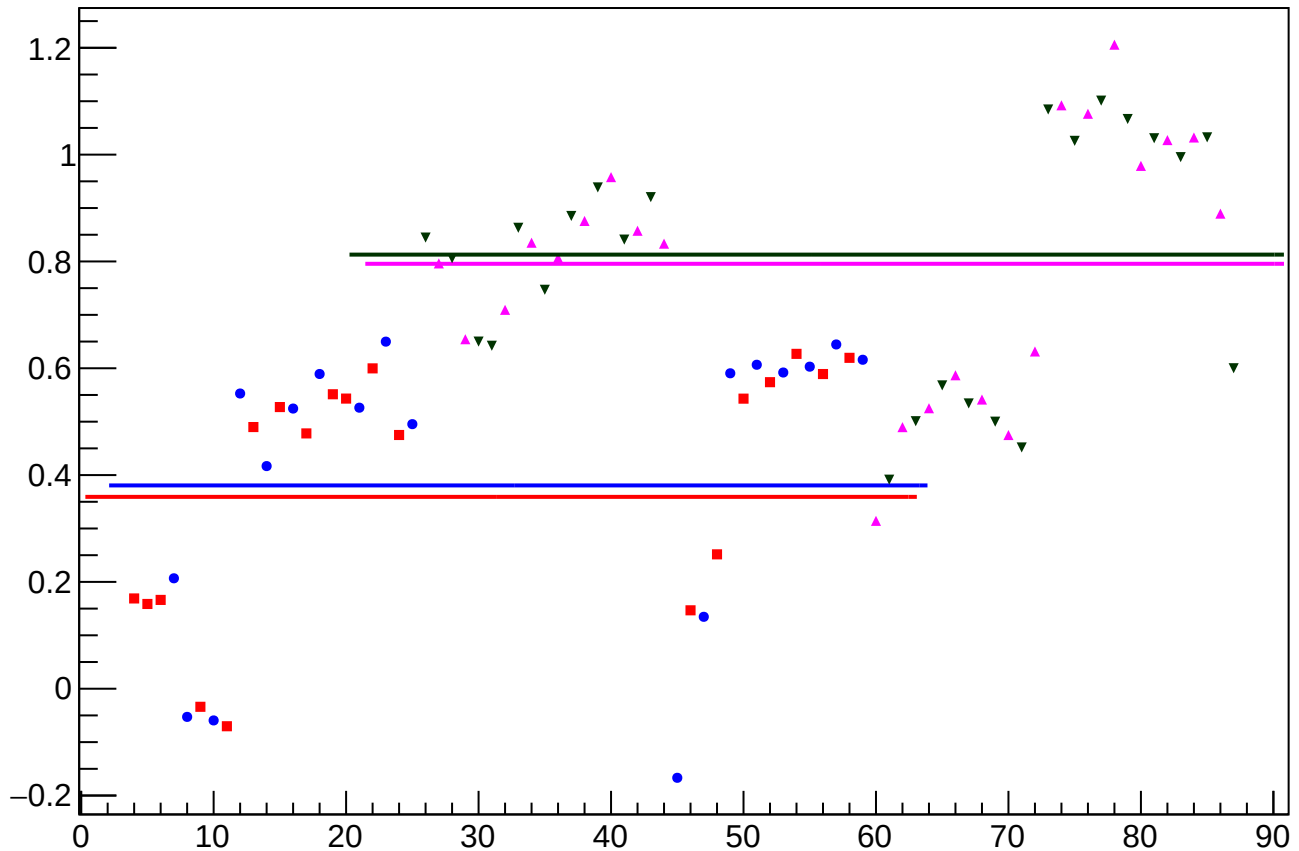
Right Out: 0.007+/-0.000 χ^2/NDF : 61122.7/18

Left In: 0.006+/-0.000 χ^2/NDF : 941569.2/22

0.007+/-0.000 χ^2/NDF : 1387253.1/41

0.007+/-0.000 χ^2/NDF : 1436657.2/41

yield_bpm0l05X_mean vs slug



Right In: 0.381+/-0.000 χ^2/NDF : 17766233664.3/17

Left Out: 0.813+/-0.000 χ^2/NDF : 10661323071.1/23

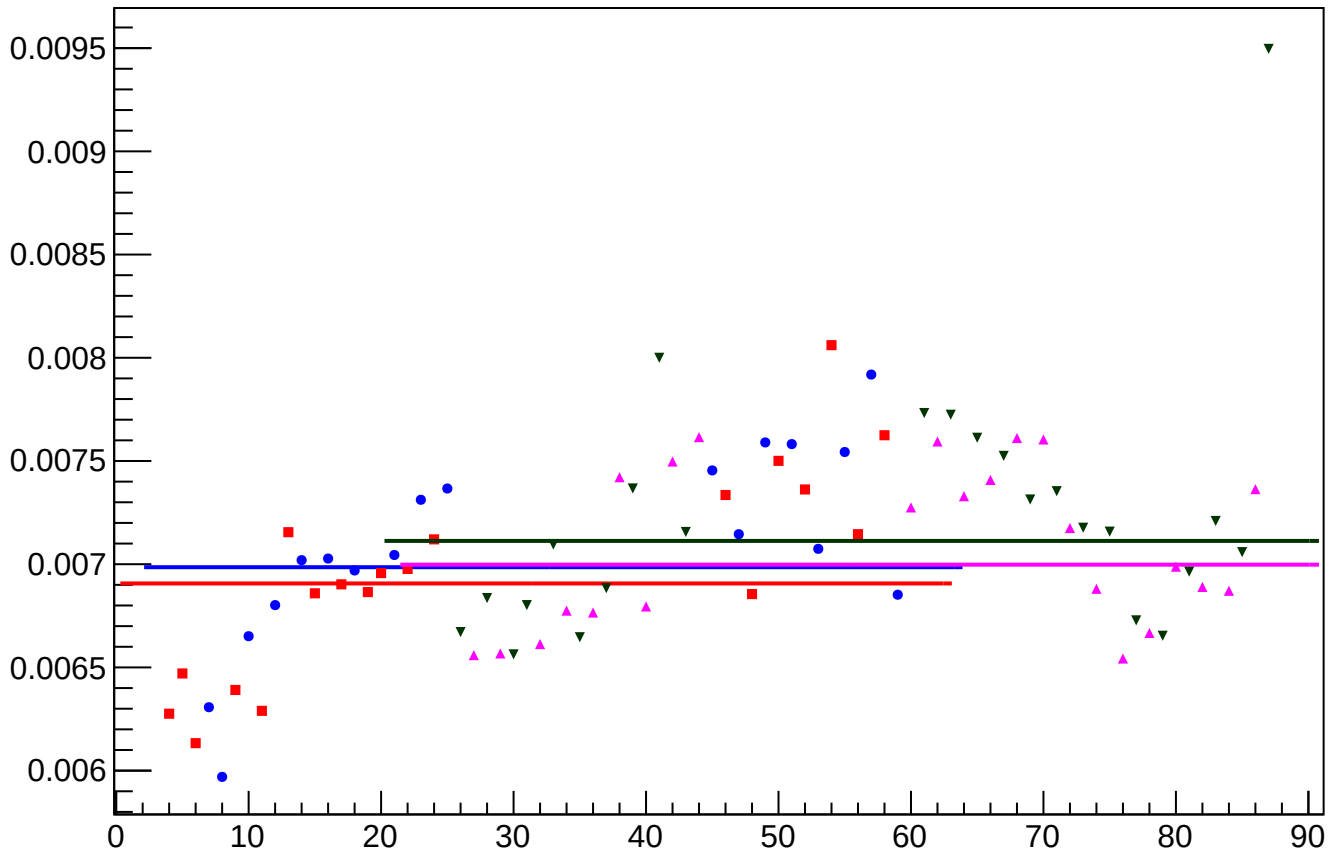
Right Out: 0.359+/-0.000 χ^2/NDF : 11904326957.3/18

Left In: 0.796+/-0.000 χ^2/NDF : 12174360706.5/22

0.600+/-0.000 χ^2/NDF : 49756311806.1/41

0.604+/-0.000 χ^2/NDF : 45698939455.5/41

yield_bpm0l05X_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 107156.0/17

Left Out: 0.007+/-0.000 χ^2/NDF : 80835.5/23

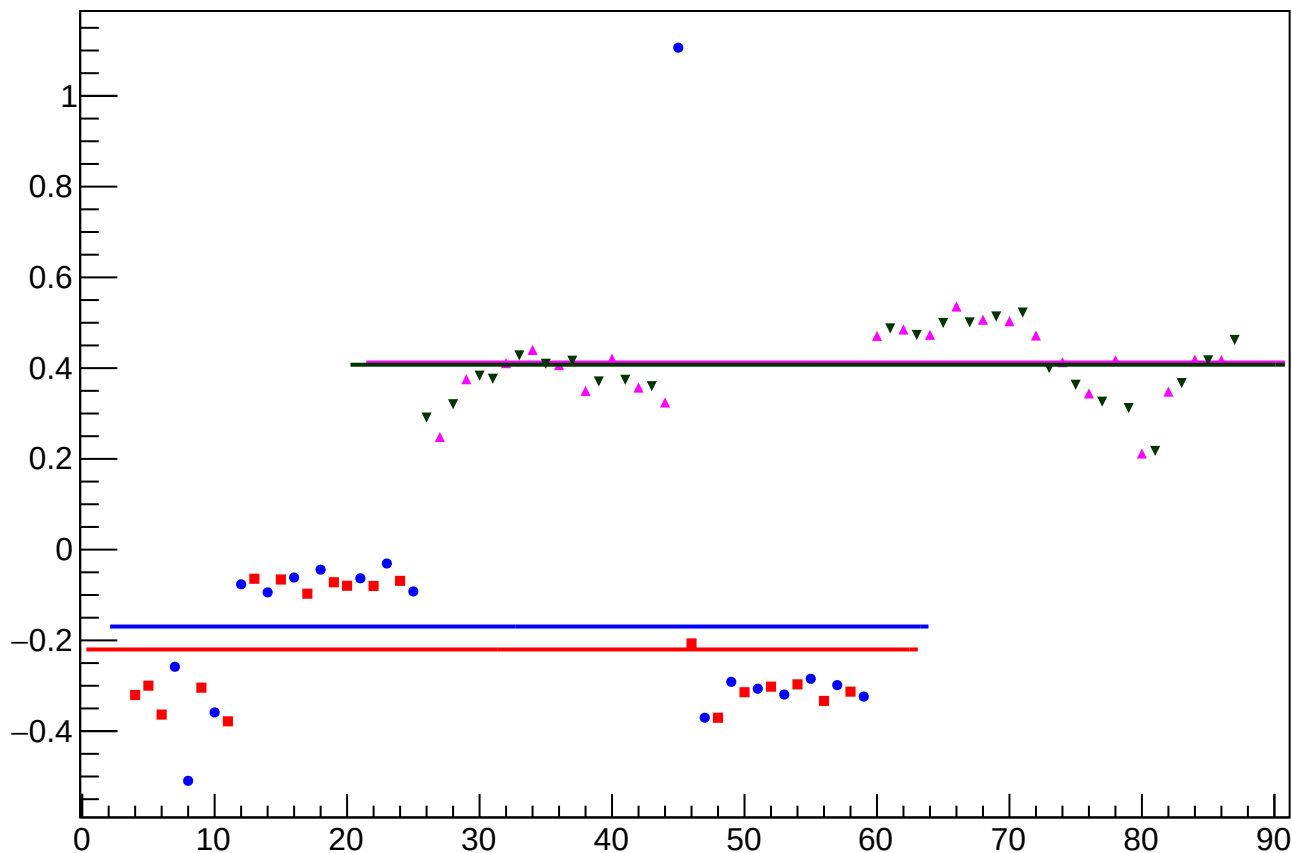
0.007+/-0.000 χ^2/NDF : 191695.4/41

Right Out: 0.007+/-0.000 χ^2/NDF : 97555.6/18

0.007+/-0.000 χ^2/NDF : 175378.0/41

Left In: 0.007+/-0.000 χ^2/NDF : 75943.5/22

yield_bpm0l05Y_mean vs slug



Right In: -0.169 ± 0.000 χ^2/NDF : 37135565875.9/17

Left Out: 0.408 ± 0.000 χ^2/NDF : 3205827658.4/23

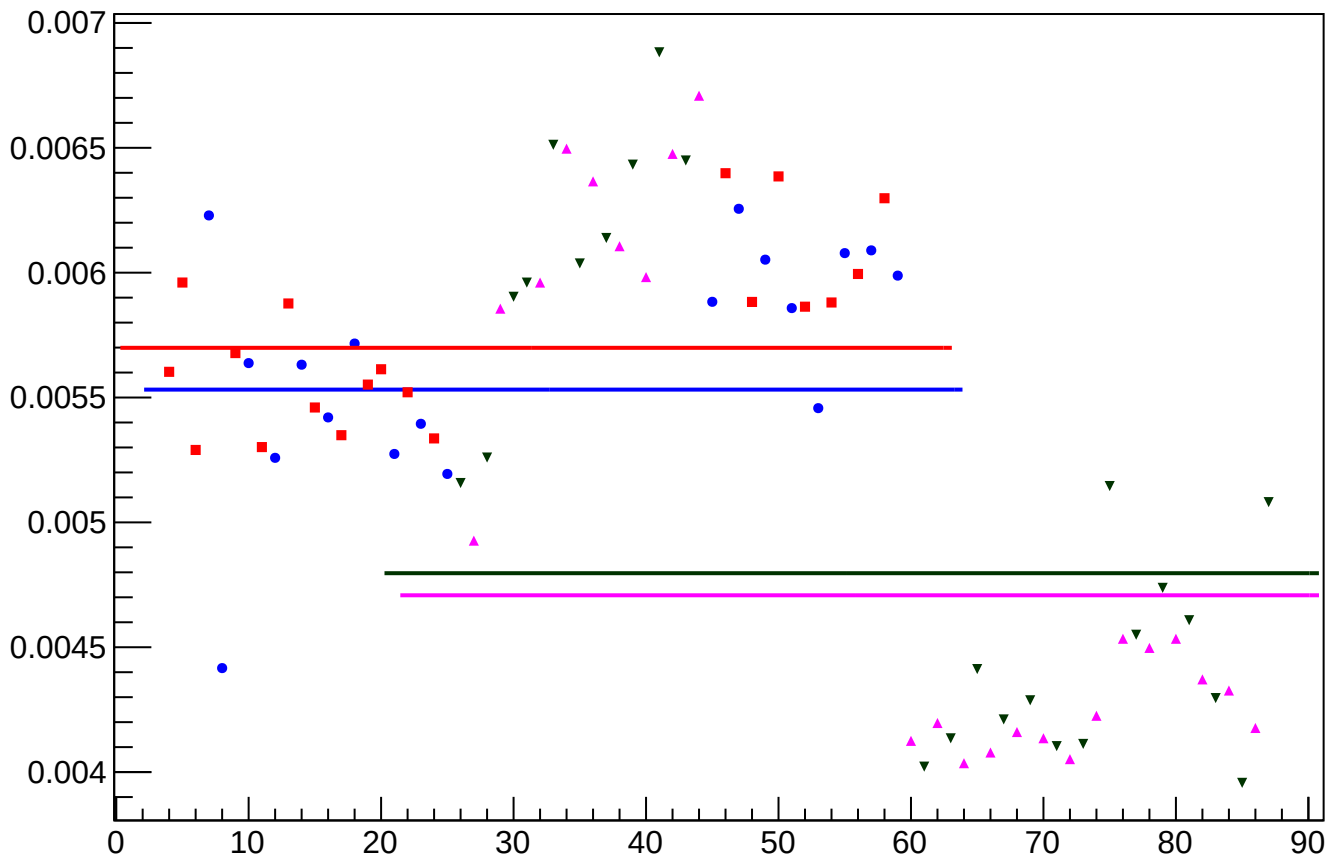
Right Out: -0.220 ± 0.000 χ^2/NDF : 4721801975.9/18

Left In: 0.412 ± 0.000 χ^2/NDF : 3798432345.6/22

0.165 ± 0.000 χ^2/NDF : 108406397114.5/41

0.192 ± 0.000 χ^2/NDF : 84779170747.1/41

yield_bpm0l05Y_rms vs slug



Right In: 0.006+/-0.000 χ^2/NDF : 186989.4/17

Left Out: 0.005+/-0.000 χ^2/NDF : 705700.6/23

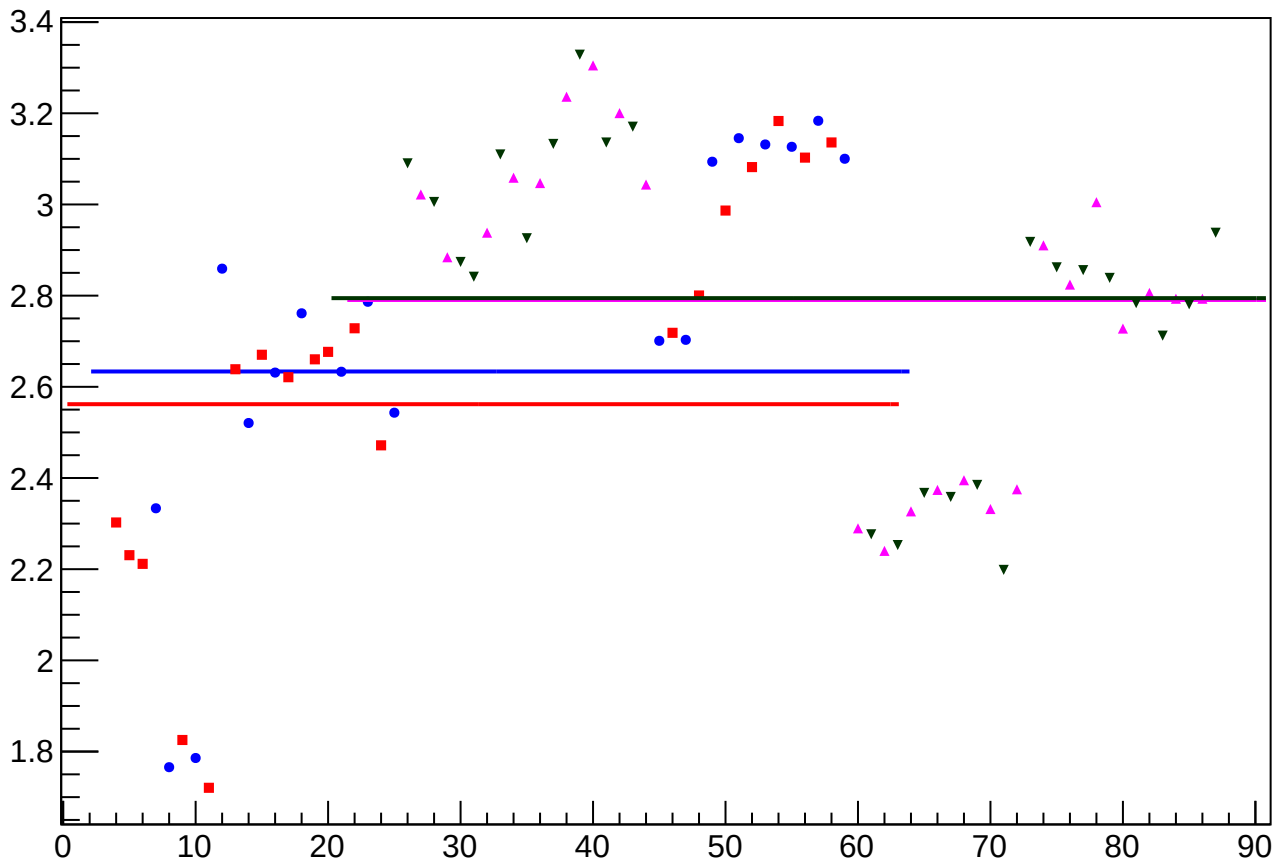
Right Out: 0.006+/-0.000 χ^2/NDF : 66415.4/18

Left In: 0.005+/-0.000 χ^2/NDF : 740581.8/22

0.005+/-0.000 χ^2/NDF : 1113723.9/41

0.005+/-0.000 χ^2/NDF : 1181541.3/41

yield_bpm0l06X_mean vs slug



Right In: 2.634+/-0.000 χ^2/NDF : 15879791998.3/17

Left Out: 2.795+/-0.000 χ^2/NDF :12971339583.1/23

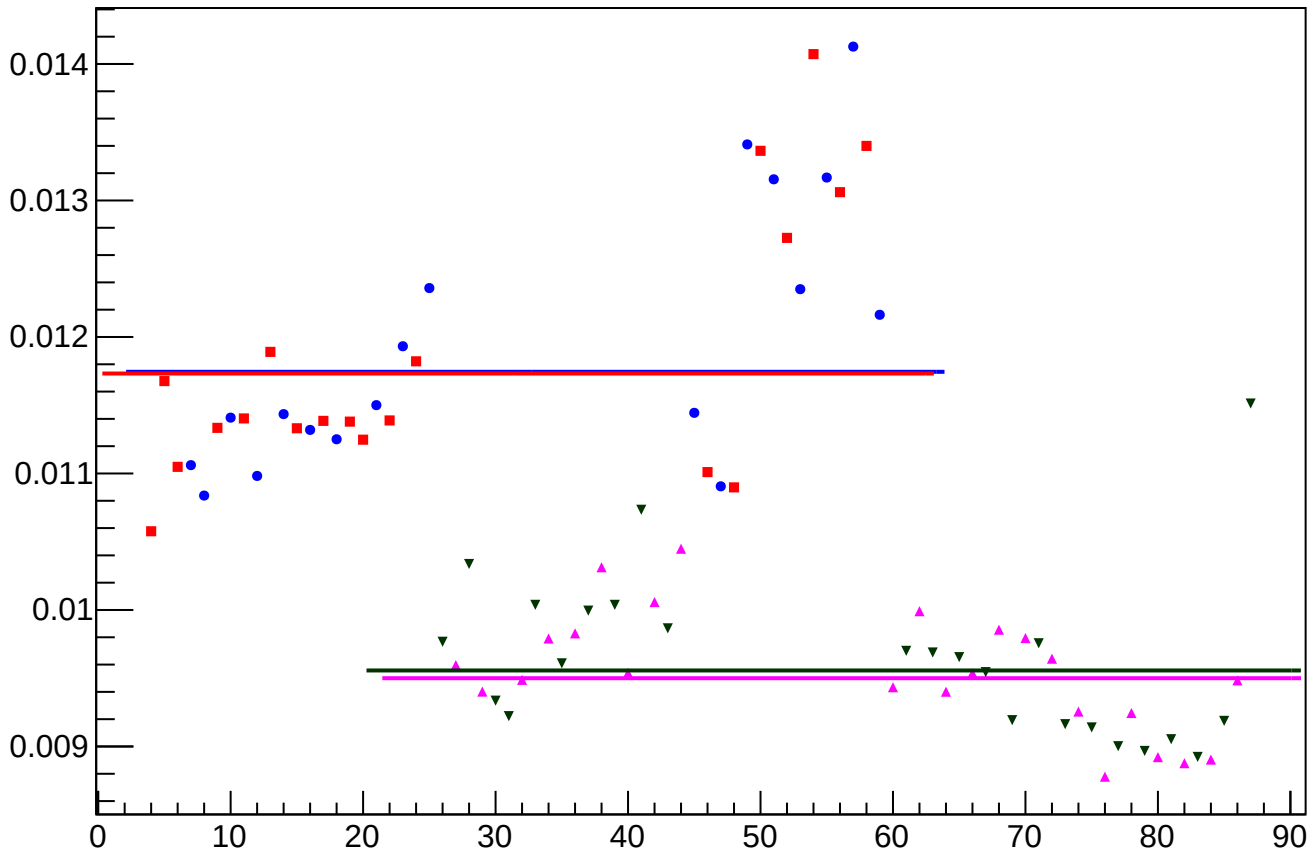
Right Out: 2.562+/-0.000 χ^2/NDF : 12349960173.0/18

Left In: 2.790+/-0.000 χ^2/NDF :13213194544.0/22

2.733+/-0.000 χ^2/NDF : 30123325142.6/41

2.714+/-0.000 χ^2/NDF : 27995970434.2/41

yield_bpm0l06X_rms vs slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 117347.2/17

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 62681.3/23

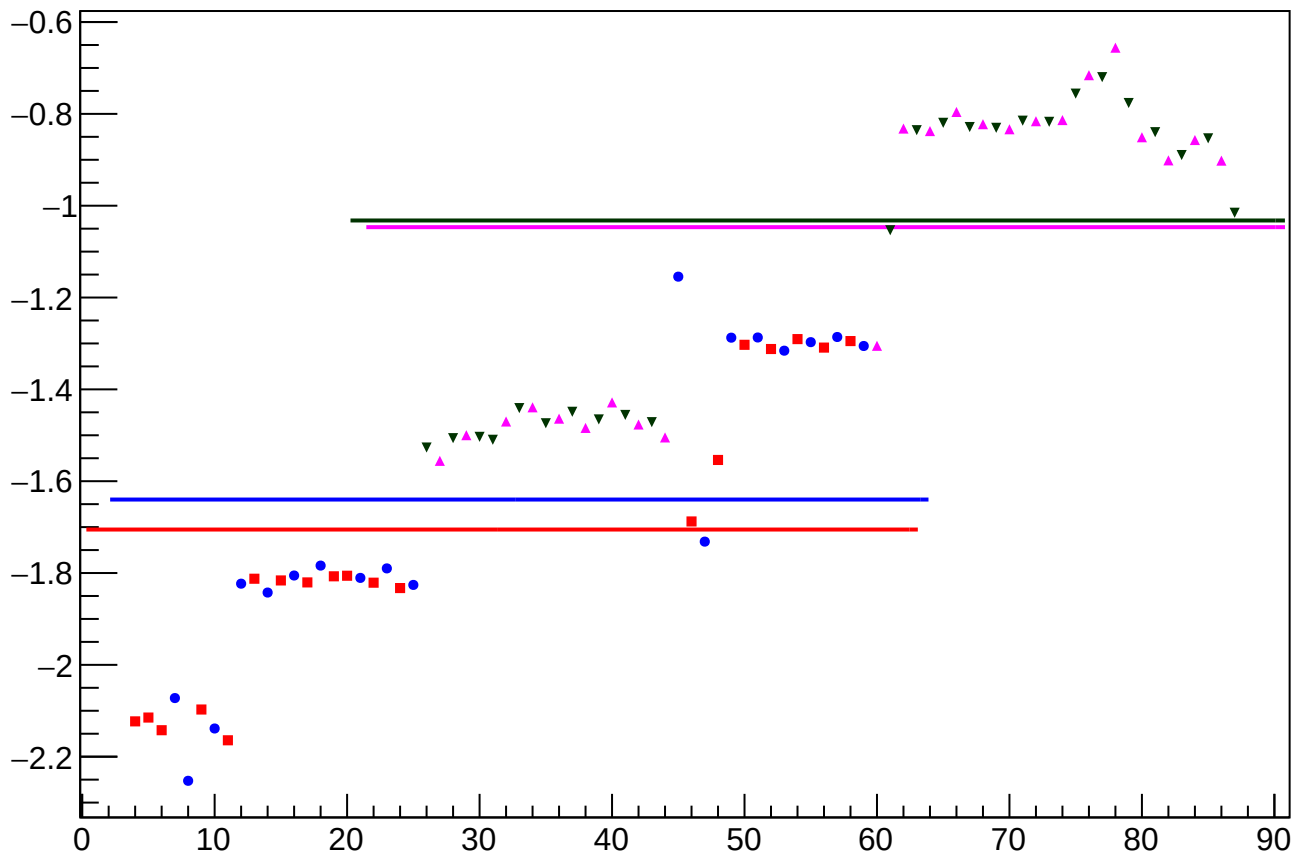
Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 107336.5/18

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 48198.6/22

0.010 $\pm$ 0.000 χ^2 /NDF: 650809.1/41

0.010 $\pm$ 0.000 χ^2 /NDF: 619628.9/41

yield_bpm0l06Y_mean vs slug



Right In: -1.640+/-0.000 χ^2/NDF : 63862011114.5/17

Left Out: -1.032+/-0.000 χ^2/NDF : 53418154339.7/23

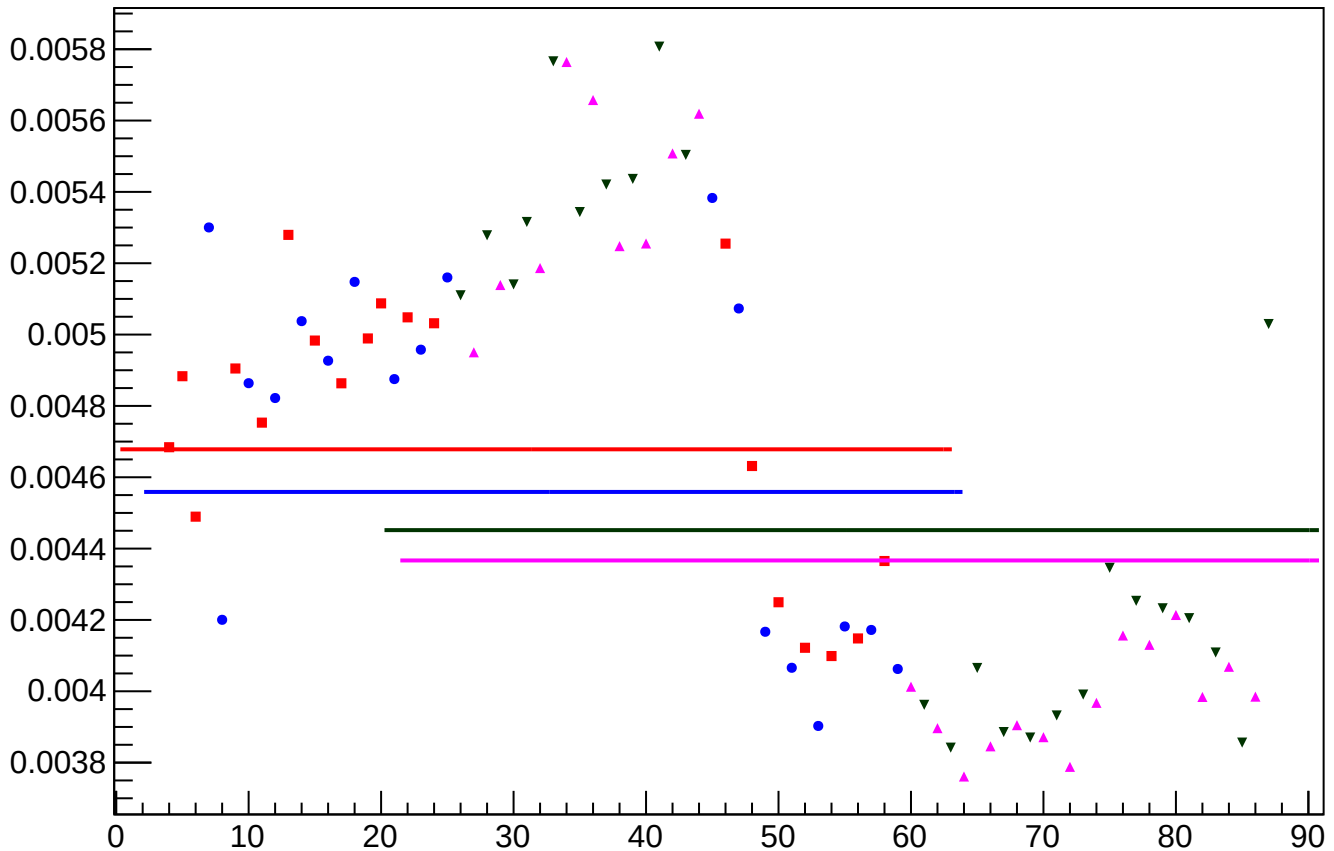
Right Out: -1.705+/-0.000 χ^2/NDF : 45414052250.2/18

Left In: -1.047+/-0.000 χ^2/NDF : 63704260206.4/22

-1.321+/-0.000 χ^2/NDF : 218548161050.6/41

-1.312+/-0.000 χ^2/NDF : 222355726616.9/41

yield_bpm0l06Y_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 228593.7/17

Left Out: 0.004+/-0.000 χ^2/NDF :500253.6/23

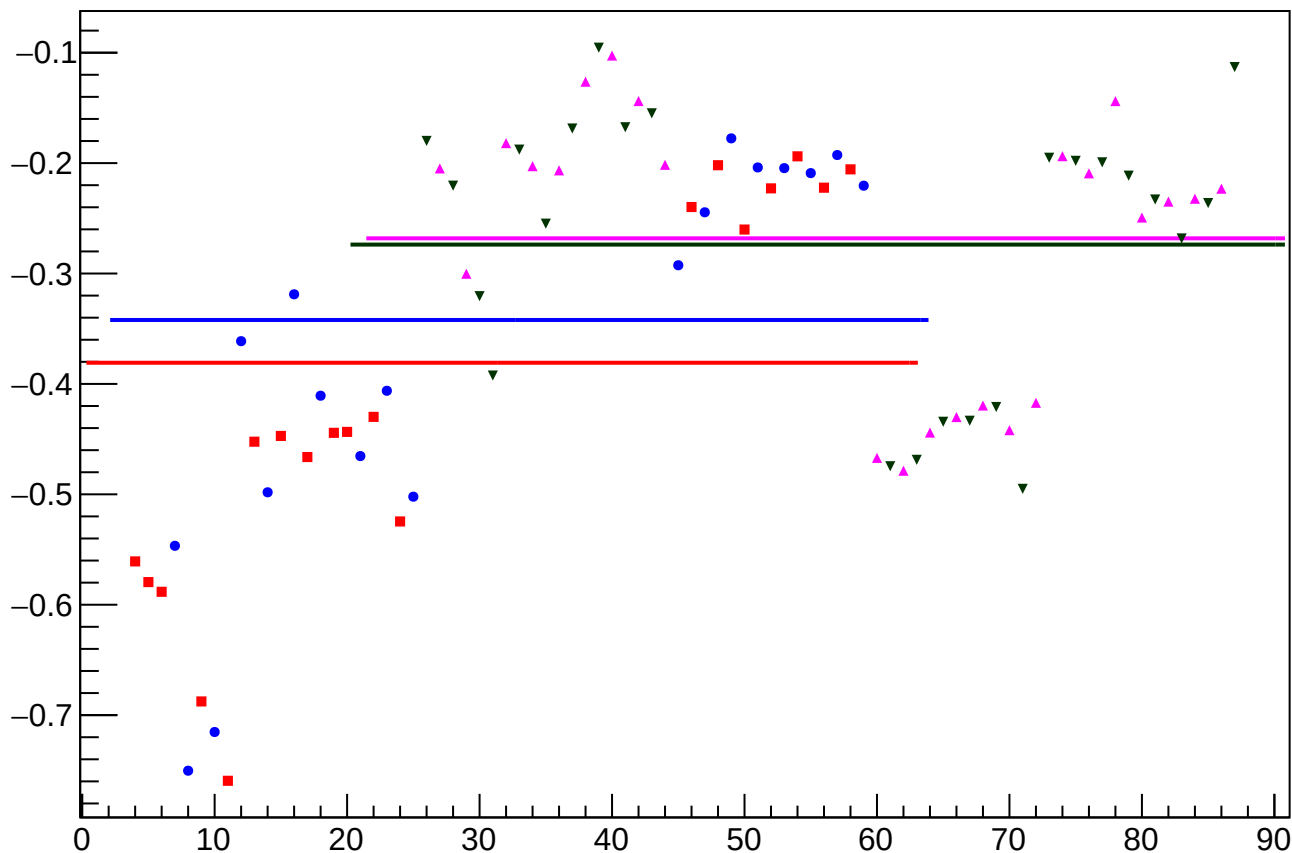
Right Out: 0.005+/-0.000 χ^2/NDF : 136426.0/18

Left In: 0.004+/-0.000 χ^2/NDF :524491.5/22

0.005+/-0.000 χ^2/NDF : 735132.5/41

0.004+/-0.000 χ^2/NDF : 711603.8/41

yield_bpm0l07X_mean vs slug



Right In: -0.342 ± 0.000 χ^2/NDF : 1669772673.5/17

Left Out: -0.274 ± 0.000 χ^2/NDF : 784615301.6/23

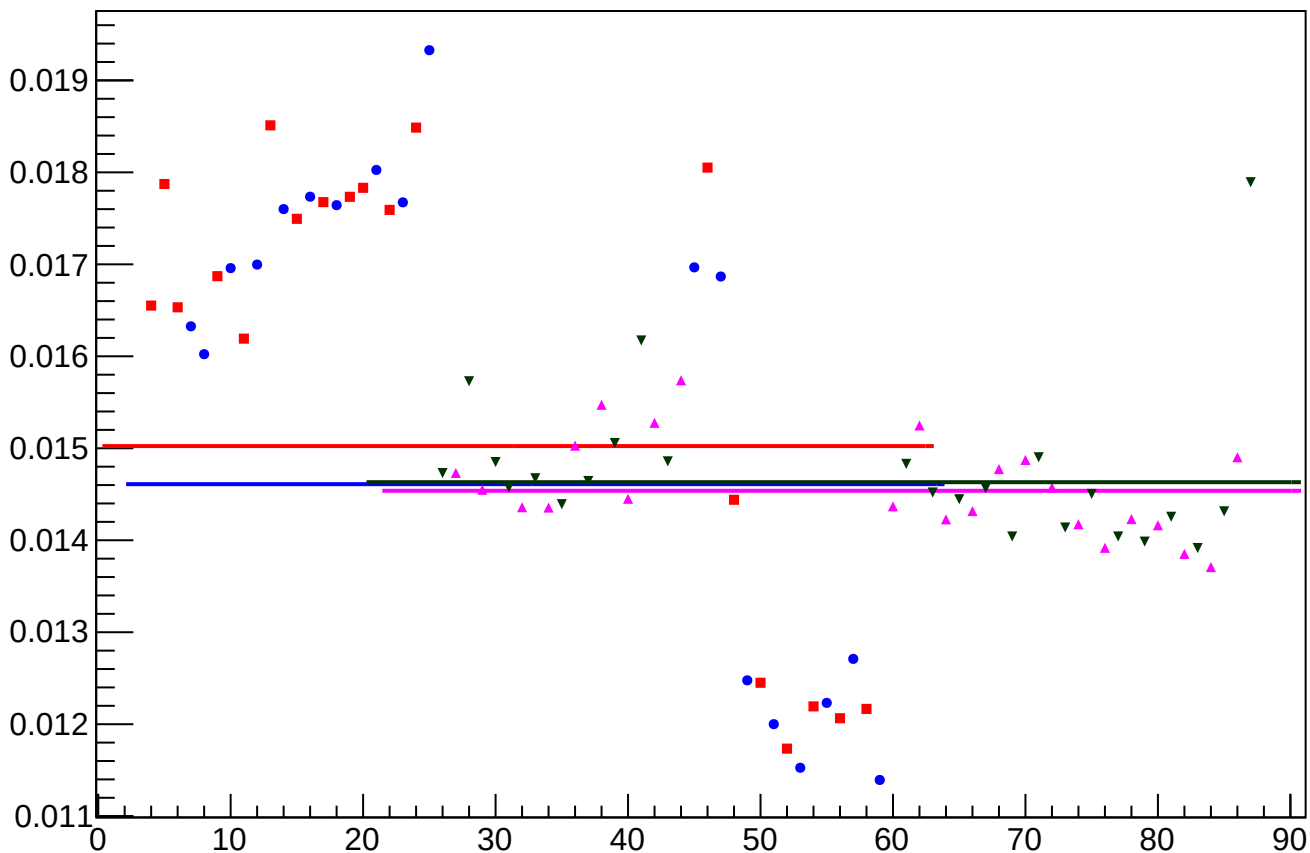
Right Out: -0.381 ± 0.000 χ^2/NDF : 1387002500.9/18

Left In: -0.268 ± 0.000 χ^2/NDF : 799174124.2/22

-0.306 ± 0.000 χ^2/NDF : 2577308163.3/41

-0.314 ± 0.000 χ^2/NDF : 2497722111.1/41

yield_bpm0l07X_rms vs slug



Right In: 0.015+/-0.000 χ^2/NDF : 711926.7/17

Left Out: 0.015+/-0.000 χ^2/NDF : 38248.0/23

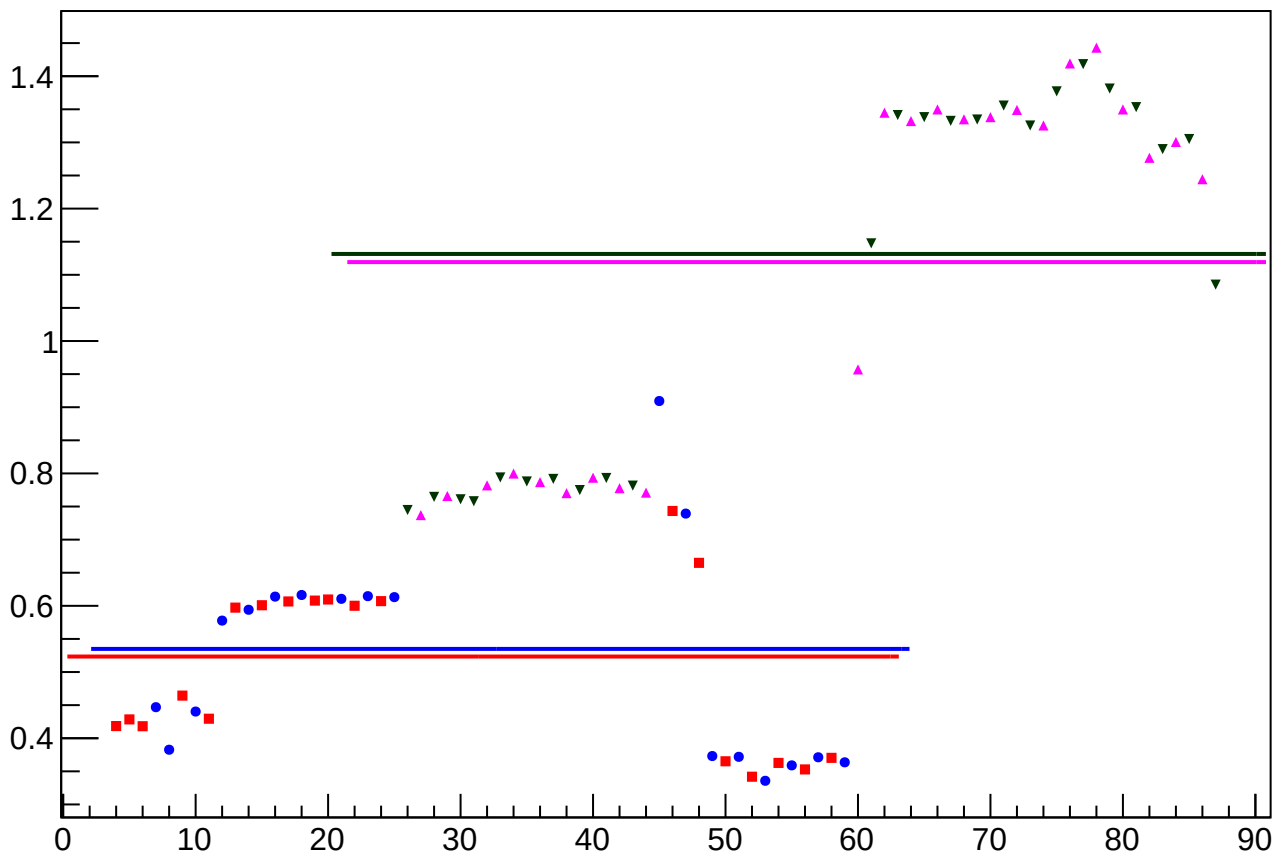
Right Out: 0.015+/-0.000 χ^2/NDF : 573783.3/18

Left In: 0.015+/-0.000 χ^2/NDF : 28845.7/22

0.015+/-0.000 χ^2/NDF : 750199.0/41

0.015+/-0.000 χ^2/NDF : 614226.5/41

yield_bpm0l07Y_mean vs slug



Right In: 0.535+/-0.000 χ^2/NDF : 21231144094.8/17

Left Out: 1.132+/-0.000 χ^2/NDF : 99214529803.4/23

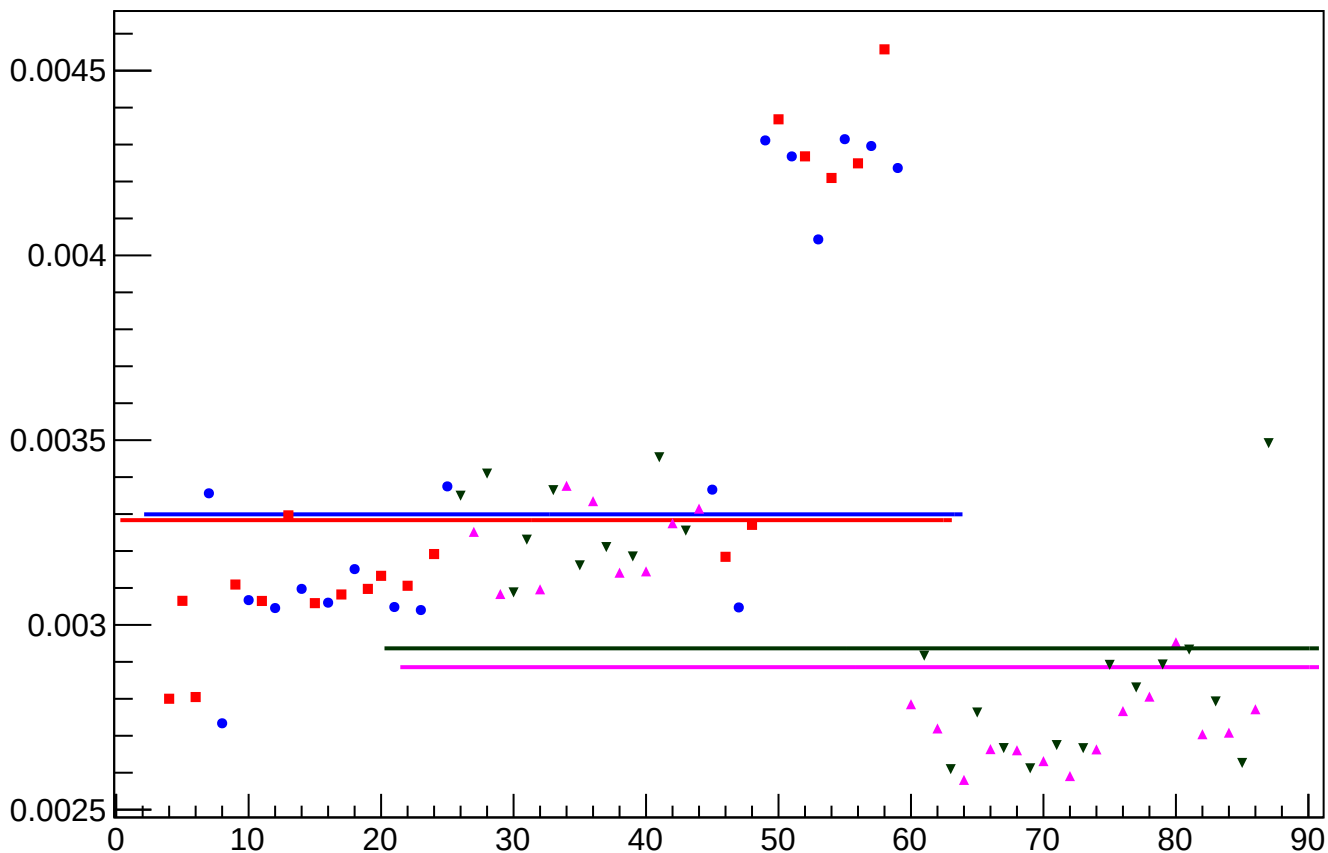
0.880+/-0.000 χ^2/NDF : 323261473715.2/41

Right Out: 0.523+/-0.000 χ^2/NDF : 11523934099.1/18

0.900+/-0.000 χ^2/NDF : 319969299801.6/41

Left In: 1.119+/-0.000 χ^2/NDF : 111657986296.2/22

yield_bpm0l07Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 497565.6/17

Left Out: 0.003+/-0.000 χ^2/NDF :210886.0/23

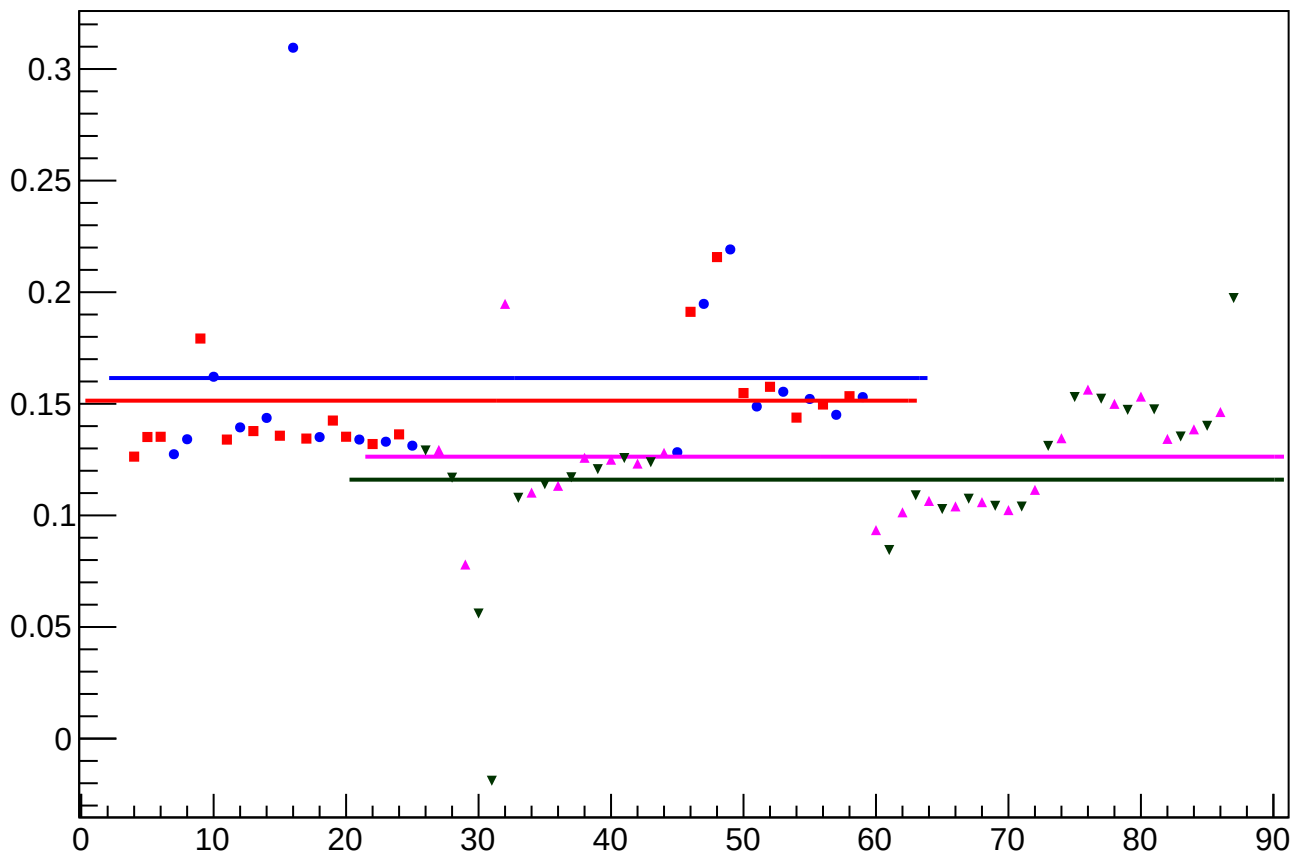
Right Out: 0.003+/-0.000 χ^2/NDF : 382277.8/18

Left In: 0.003+/-0.000 χ^2/NDF :195790.1/22

0.003+/-0.000 χ^2/NDF : 858368.3/41

0.003+/-0.000 χ^2/NDF : 753609.2/41

yield_bpm0l08X_mean vs slug



Right In: 0.162 $\pm$ 0.000 χ^2 /NDF: 94764439.1/17

Left Out: 0.116 $\pm$ 0.000 χ^2 /NDF: 70105574.9/23

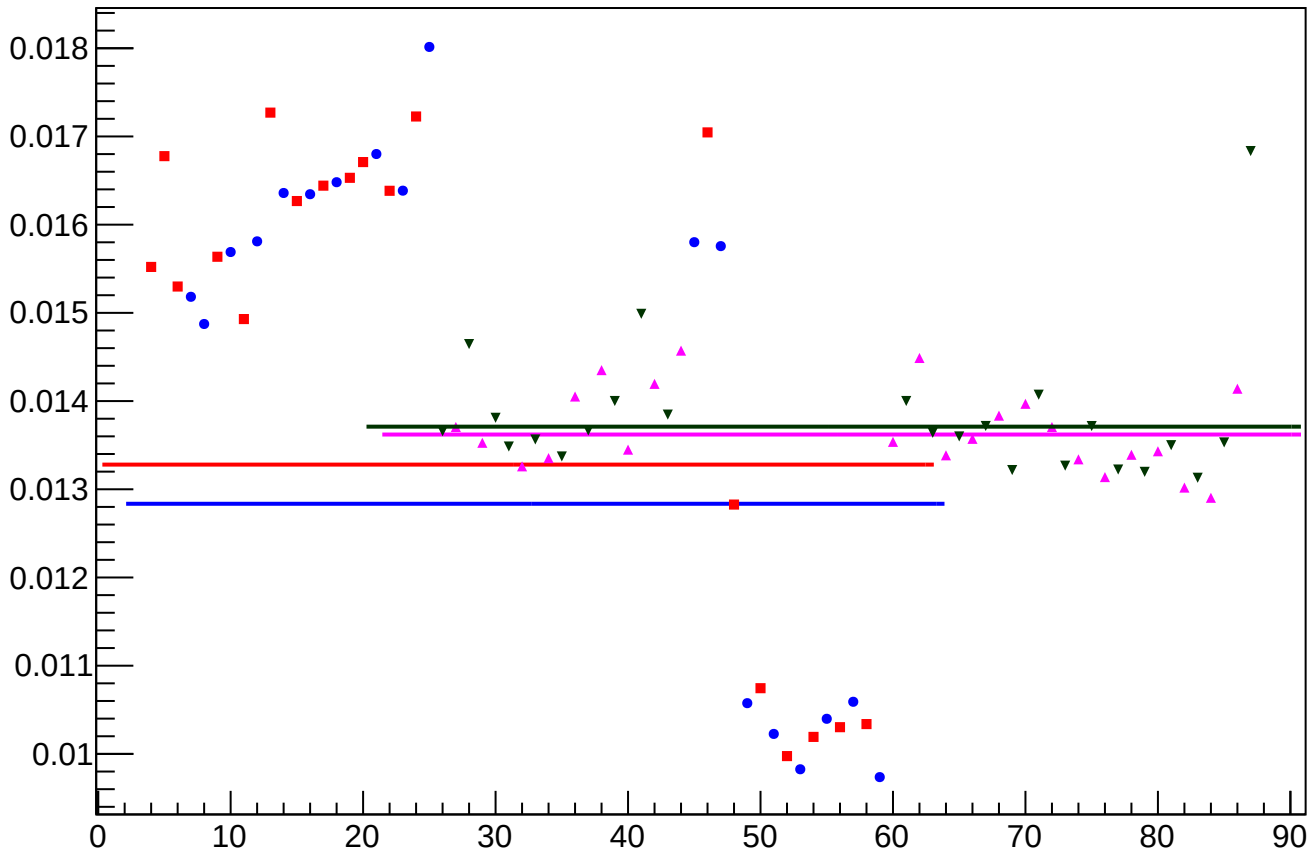
Right Out: 0.151 $\pm$ 0.000 χ^2 /NDF: 22463584.0/18

Left In: 0.126 $\pm$ 0.000 χ^2 /NDF: 53964873.2/22

0.139 $\pm$ 0.000 χ^2 /NDF: 230615783.3/41

0.137 $\pm$ 0.000 χ^2 /NDF: 95013550.5/41

yield_bpm0l08X_rms vs slug



Right In: 0.013+/-0.000 χ^2/NDF : 1088247.1/17

Left Out: 0.014+/-0.000 χ^2/NDF : 32487.5/23

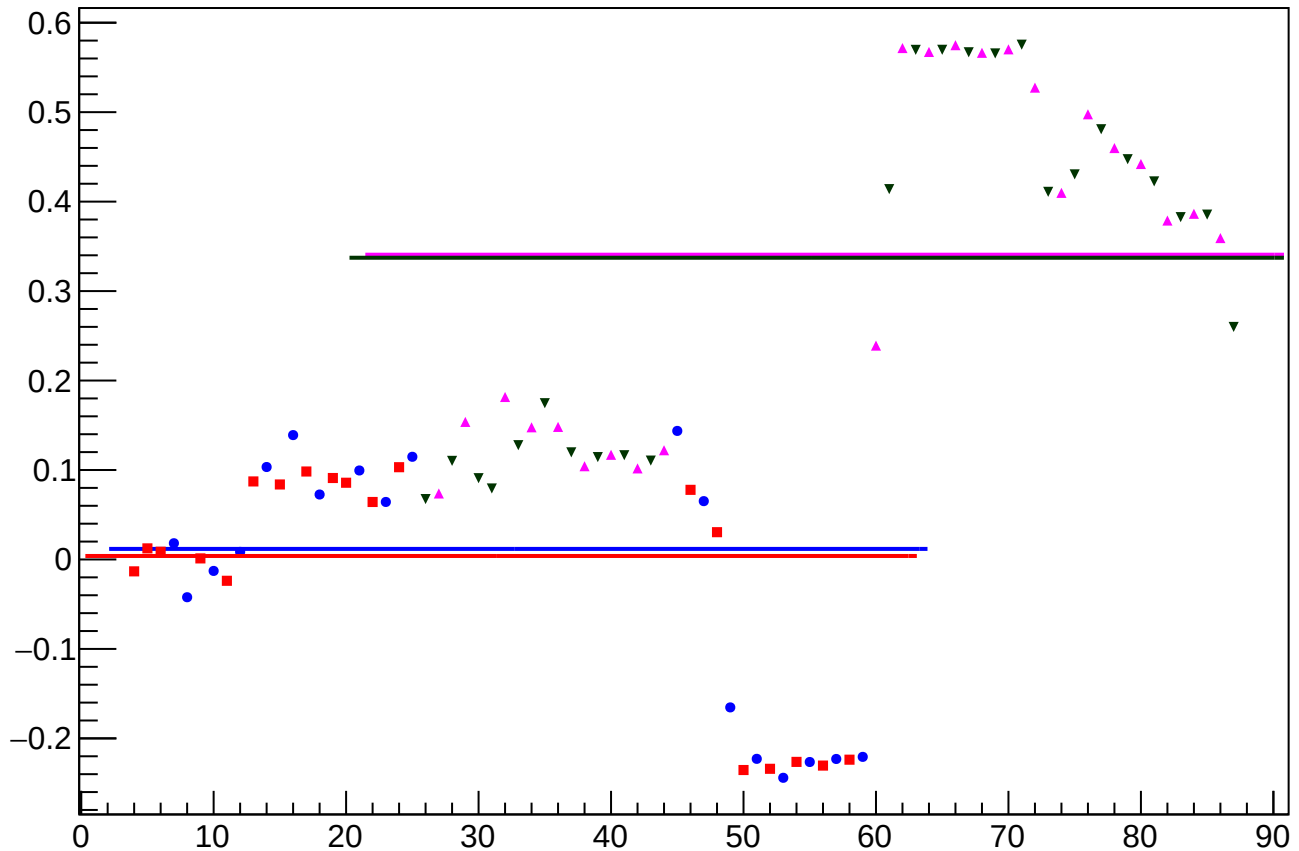
Right Out: 0.013+/-0.000 χ^2/NDF : 890007.3/18

Left In: 0.014+/-0.000 χ^2/NDF : 25727.3/22

0.013+/-0.000 χ^2/NDF : 1169240.2/41

0.013+/-0.000 χ^2/NDF : 922594.3/41

yield_bpm0l08Y_mean vs slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 12179192870.2/17

Left Out: 0.337 $\pm$ 0.000 χ^2 /NDF: 45523375234.3/23

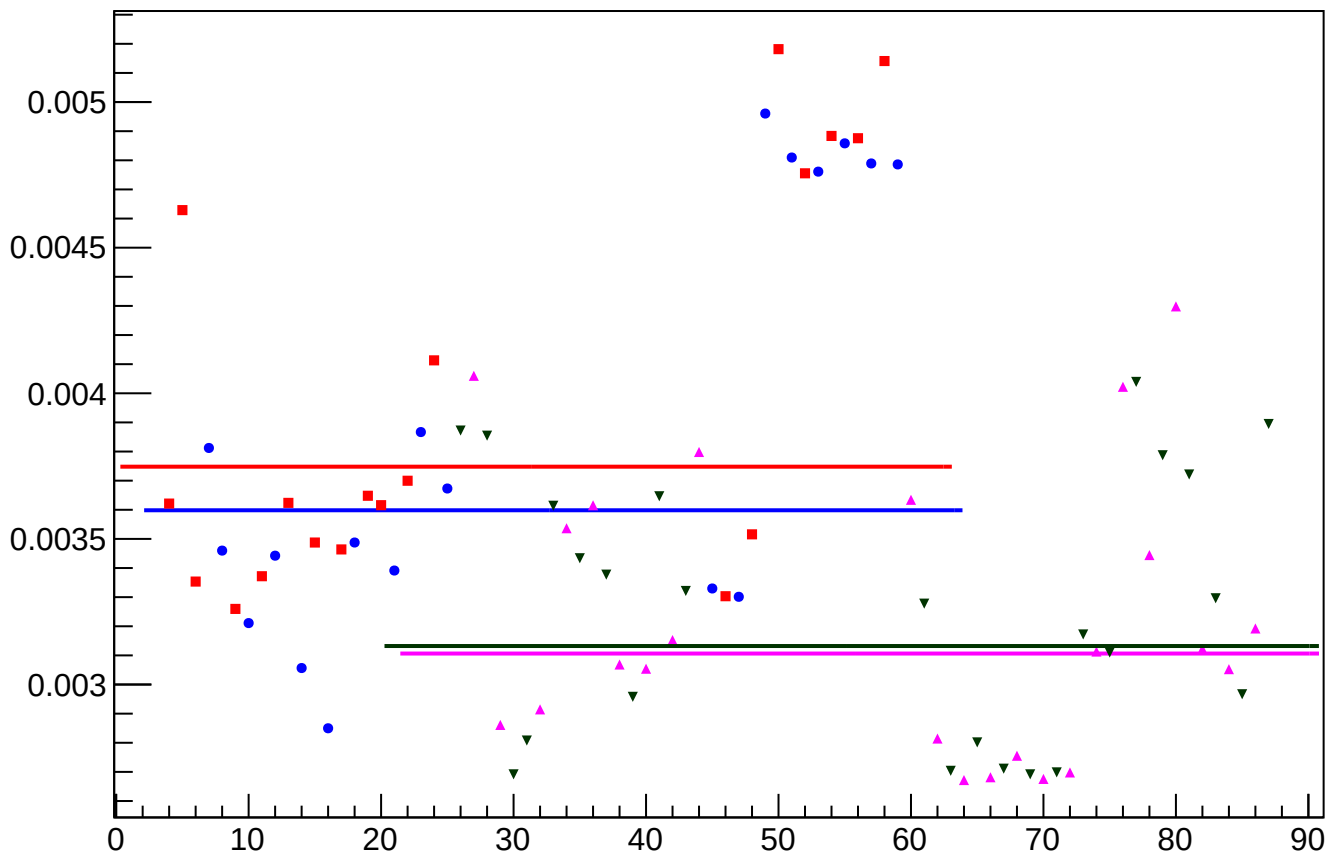
Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 7924148421.7/18

Left In: 0.341 $\pm$ 0.000 χ^2 /NDF: 45076717812.5/22

0.204 $\pm$ 0.000 χ^2 /NDF: 107996867931.5/41

0.226 $\pm$ 0.000 χ^2 /NDF: 101837470180.0/41

yield_bpm0l08Y_rms vs slug



Right In: 0.004 $\pm$ 0.000 χ^2/NDF : 672957.8/17

Left Out: 0.003 $\pm$ 0.000 χ^2/NDF : 410785.2/23

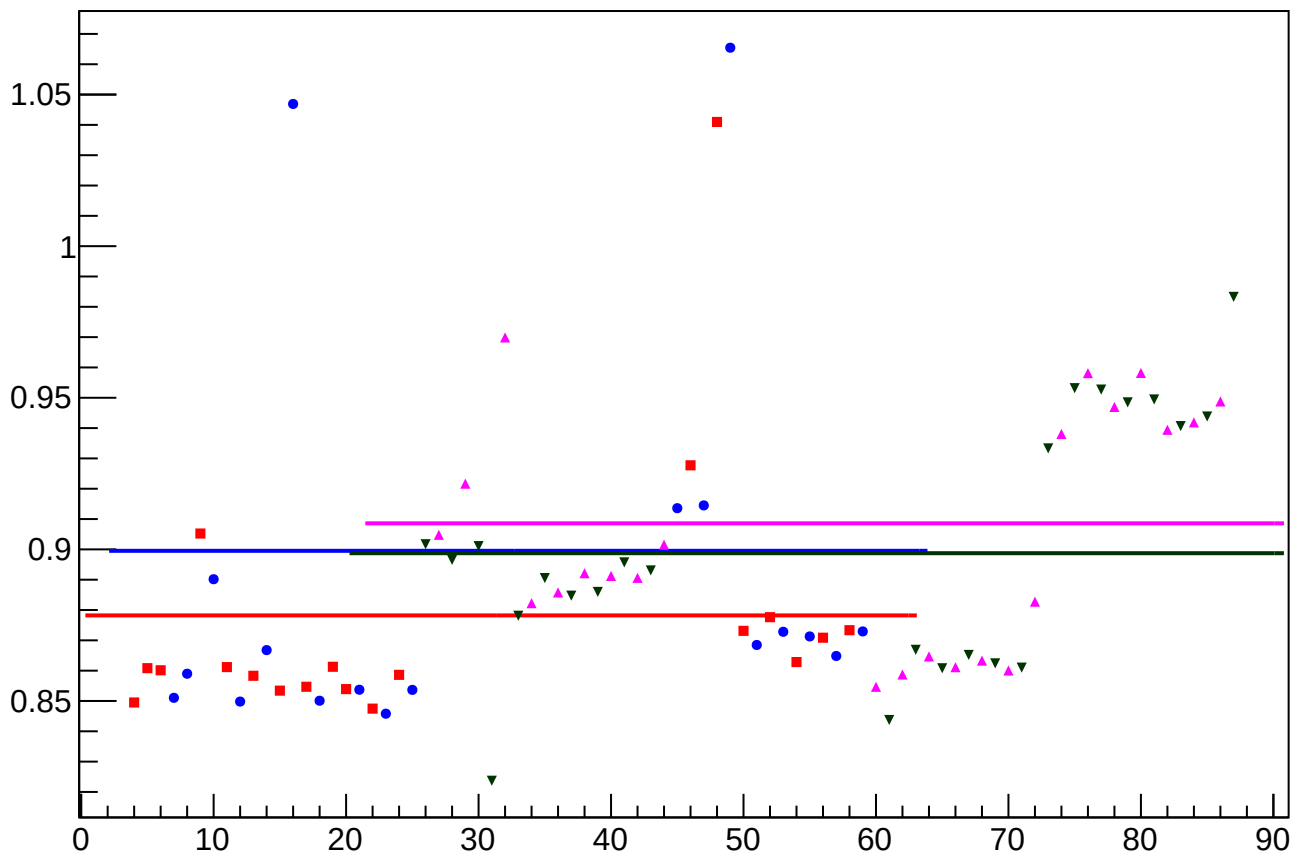
Right Out: 0.004 $\pm$ 0.000 χ^2/NDF : 427283.7/18

Left In: 0.003 $\pm$ 0.000 χ^2/NDF : 467268.9/22

0.003 $\pm$ 0.000 χ^2/NDF : 1290082.9/41

0.003 $\pm$ 0.000 χ^2/NDF : 1249114.7/41

yield_bpm0l09X_mean vs slug



Right In: 0.900 $\pm$ 0.000 χ^2 /NDF: 324904340.4/17

Left Out: 0.899 $\pm$ 0.000 χ^2 /NDF: 85670473.4/23

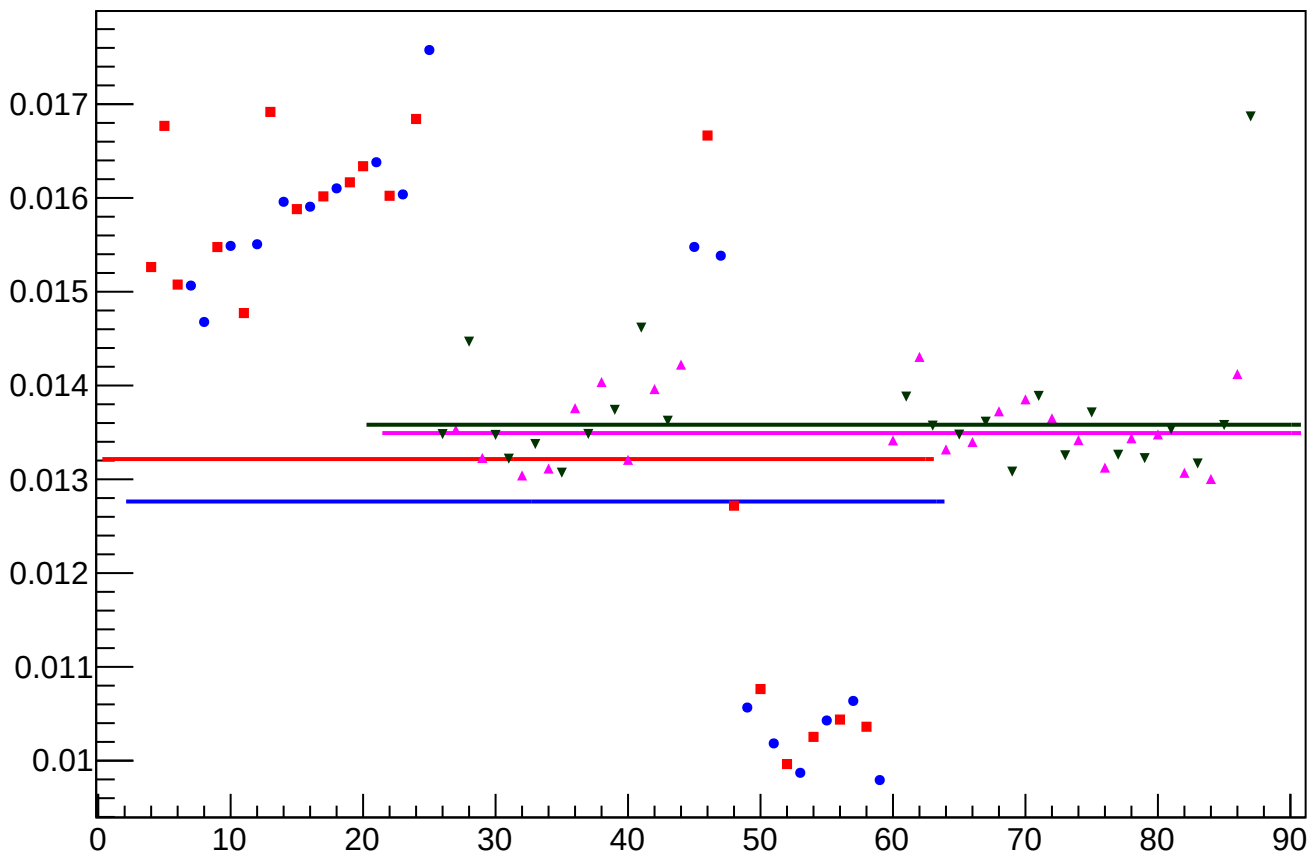
Right Out: 0.878 $\pm$ 0.000 χ^2 /NDF: 92356263.0/18

Left In: 0.909 $\pm$ 0.000 χ^2 /NDF: 97736114.0/22

0.899 $\pm$ 0.000 χ^2 /NDF: 410594757.1/41

0.896 $\pm$ 0.000 χ^2 /NDF: 217689104.2/41

yield_bpm0l09X_rms vs slug



Right In: 0.013+/-0.000 χ^2/NDF : 980141.4/17

Left Out: 0.014+/-0.000 χ^2/NDF : 27535.3/23

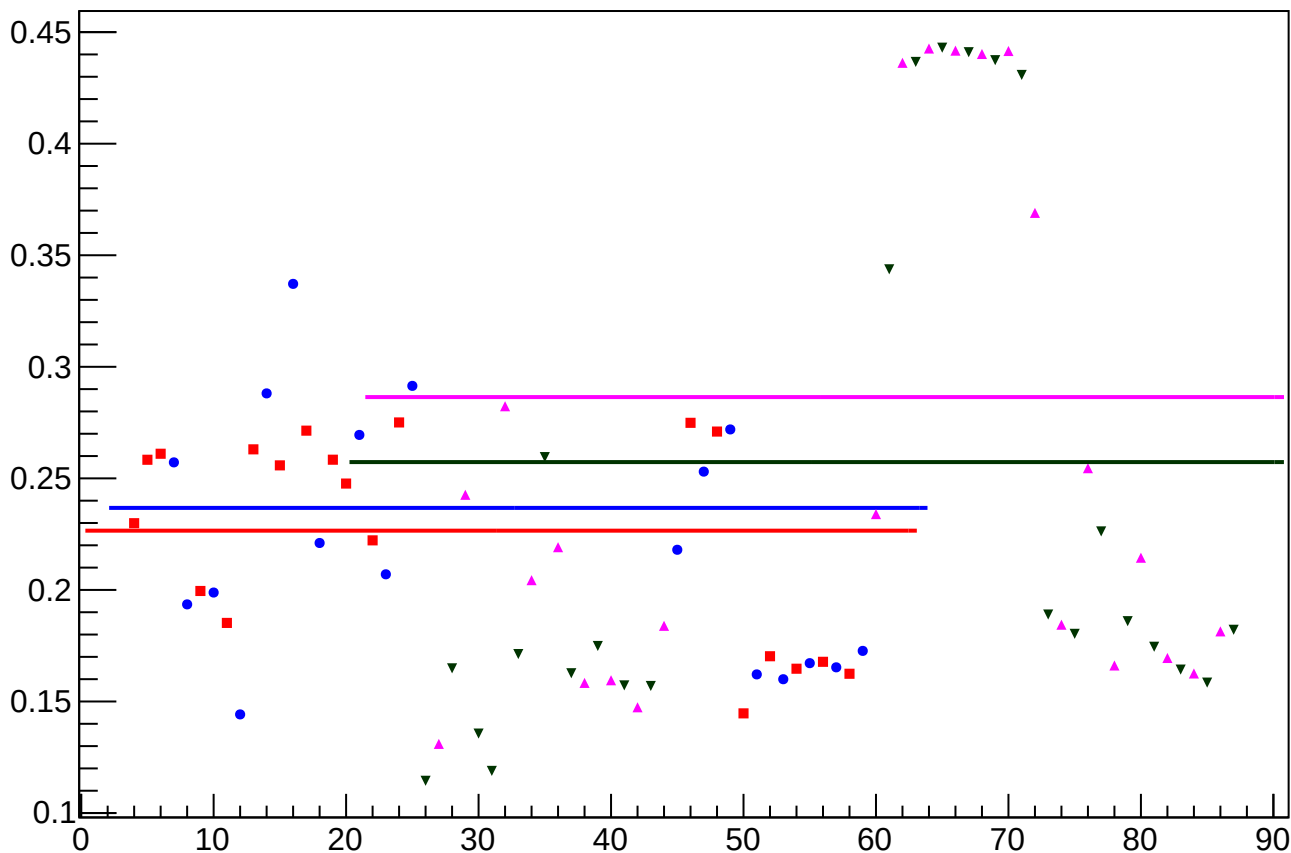
Right Out: 0.013+/-0.000 χ^2/NDF : 798846.8/18

Left In: 0.013+/-0.000 χ^2/NDF : 19909.2/22

0.013+/-0.000 χ^2/NDF : 1050886.7/41

0.013+/-0.000 χ^2/NDF : 823349.2/41

yield_bpm0l09Y_mean vs slug



Right In: 0.237 $\pm$ 0.000 χ^2 /NDF: 2411617824.9/17

Left Out: 0.257 $\pm$ 0.000 χ^2 /NDF:16728215287.8/23

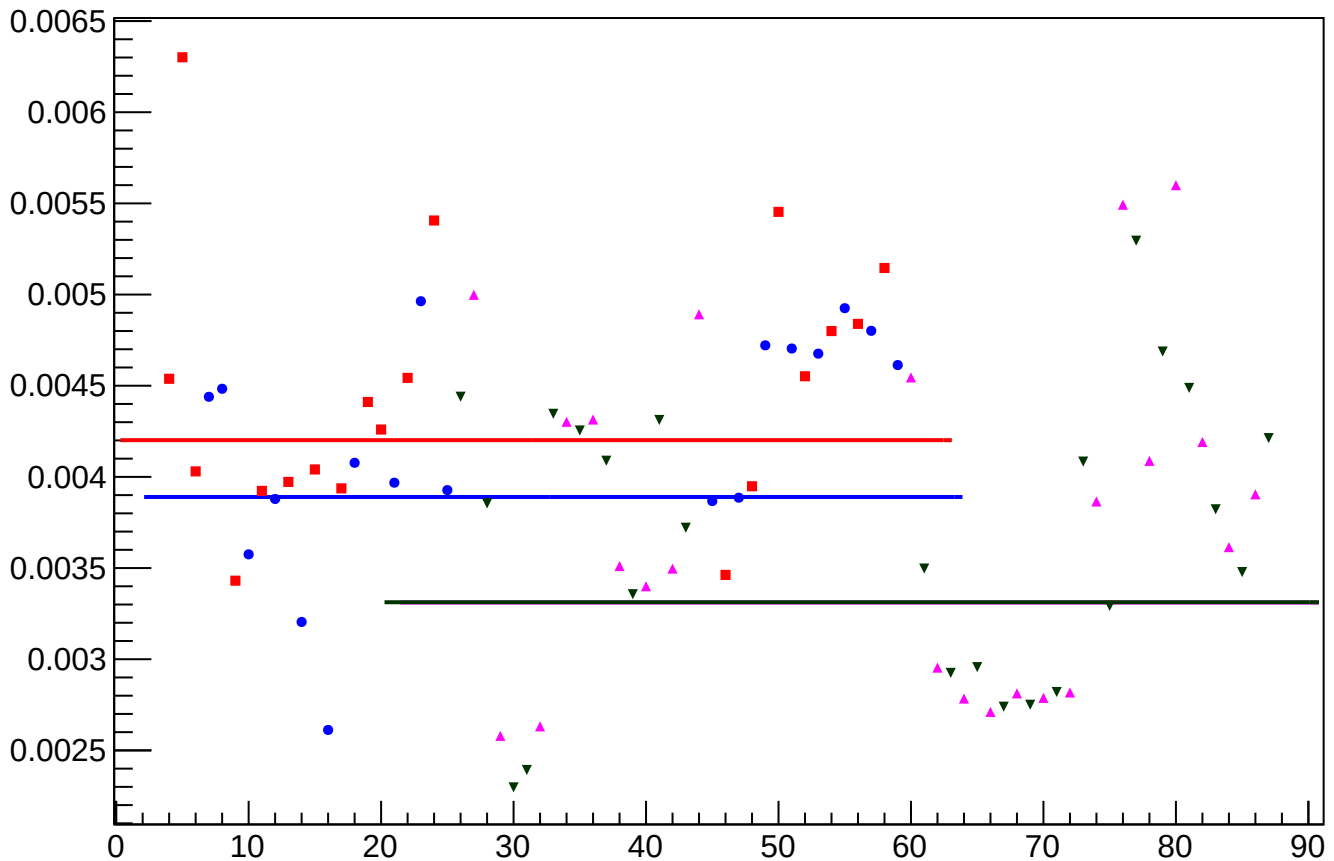
Right Out: 0.227 $\pm$ 0.000 χ^2 /NDF: 943883207.4/18

Left In: 0.286 $\pm$ 0.000 χ^2 /NDF:13669058056.6/22

0.249 $\pm$ 0.000 χ^2 /NDF: 19308277075.5/41

0.267 $\pm$ 0.000 χ^2 /NDF: 15837231438.9/41

yield_bpm0l09Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 695729.3/17

Left Out: 0.003+/-0.000 χ^2/NDF :1081023.5/23

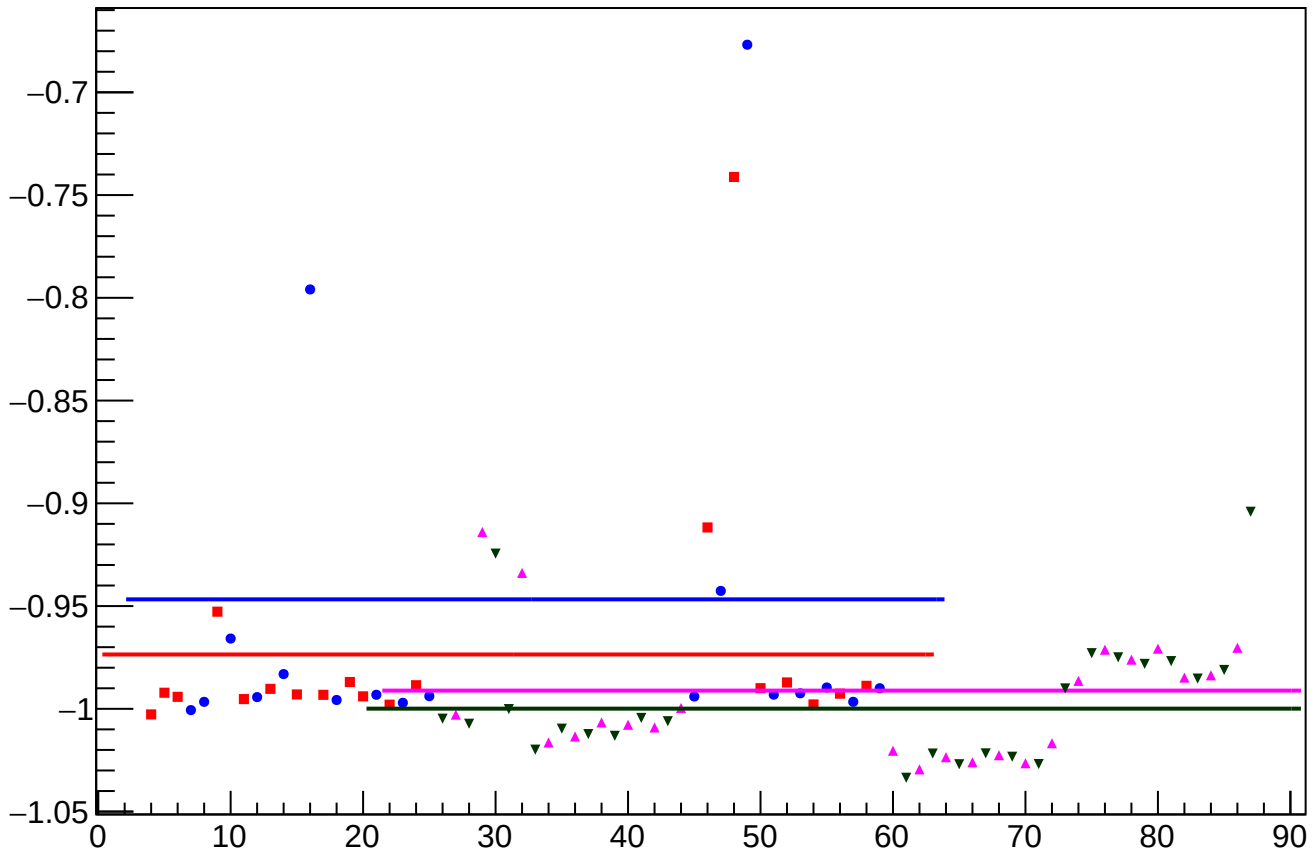
Right Out: 0.004+/-0.000 χ^2/NDF : 341340.8/18

Left In: 0.003+/-0.000 χ^2/NDF :1340610.5/22

0.004+/-0.000 χ^2/NDF : 2042982.9/41

0.004+/-0.000 χ^2/NDF : 2223665.0/41

yield_bpm0l10X_mean vs slug



Right In: -0.947+/-0.000 χ^2/NDF : 662253046.3/17

Left Out: -1.000+/-0.000 χ^2/NDF : 43854416.8/23

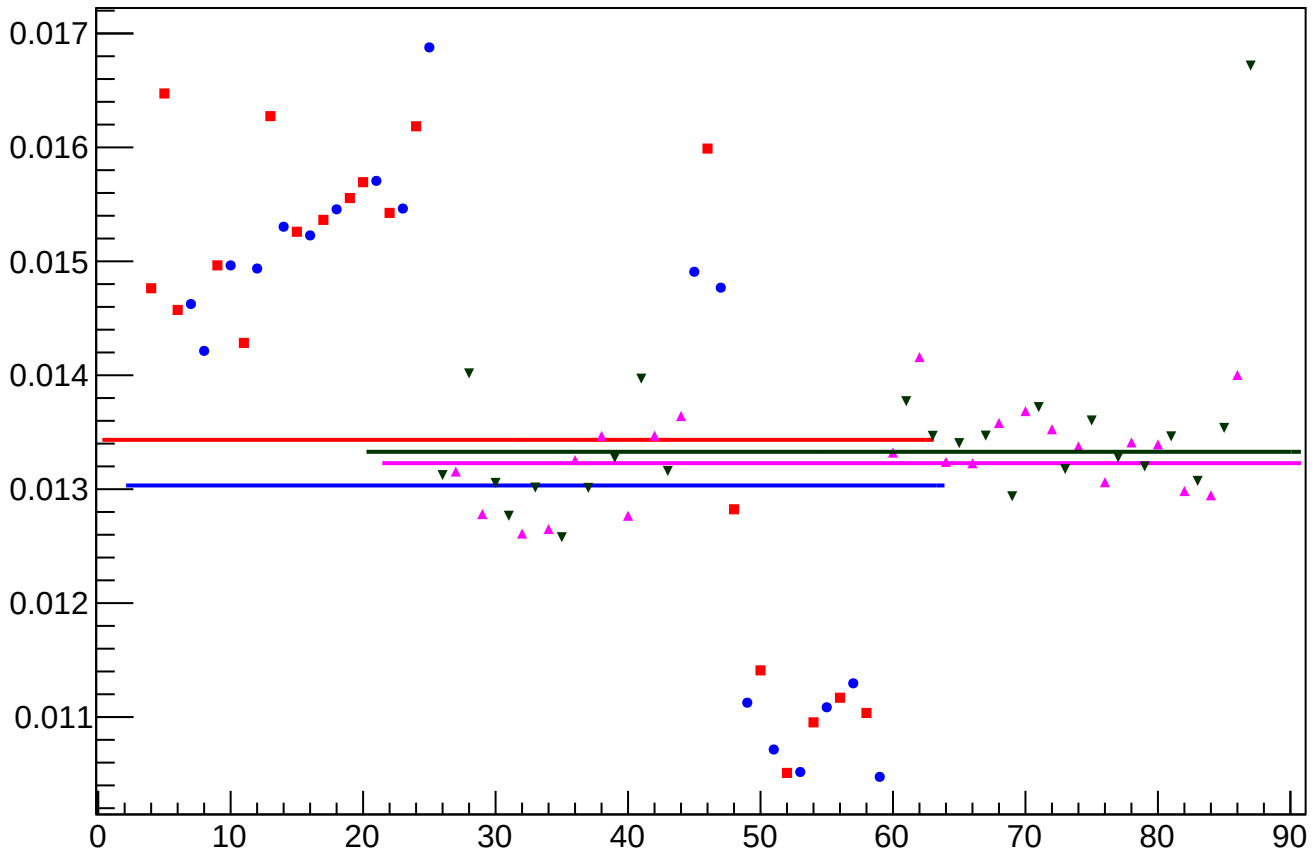
Right Out: -0.974+/-0.000 χ^2/NDF : 174691792.1/18

Left In: -0.991+/-0.000 χ^2/NDF : 80504815.8/22

-0.974+/-0.000 χ^2/NDF : 797719623.9/41

-0.984+/-0.000 χ^2/NDF : 264495609.2/41

yield_bpm0l10X_rms vs slug



Right In: 0.013+/-0.000 χ^2/NDF : 587832.0/17

Left Out: 0.013+/-0.000 χ^2/NDF : 26175.9/23

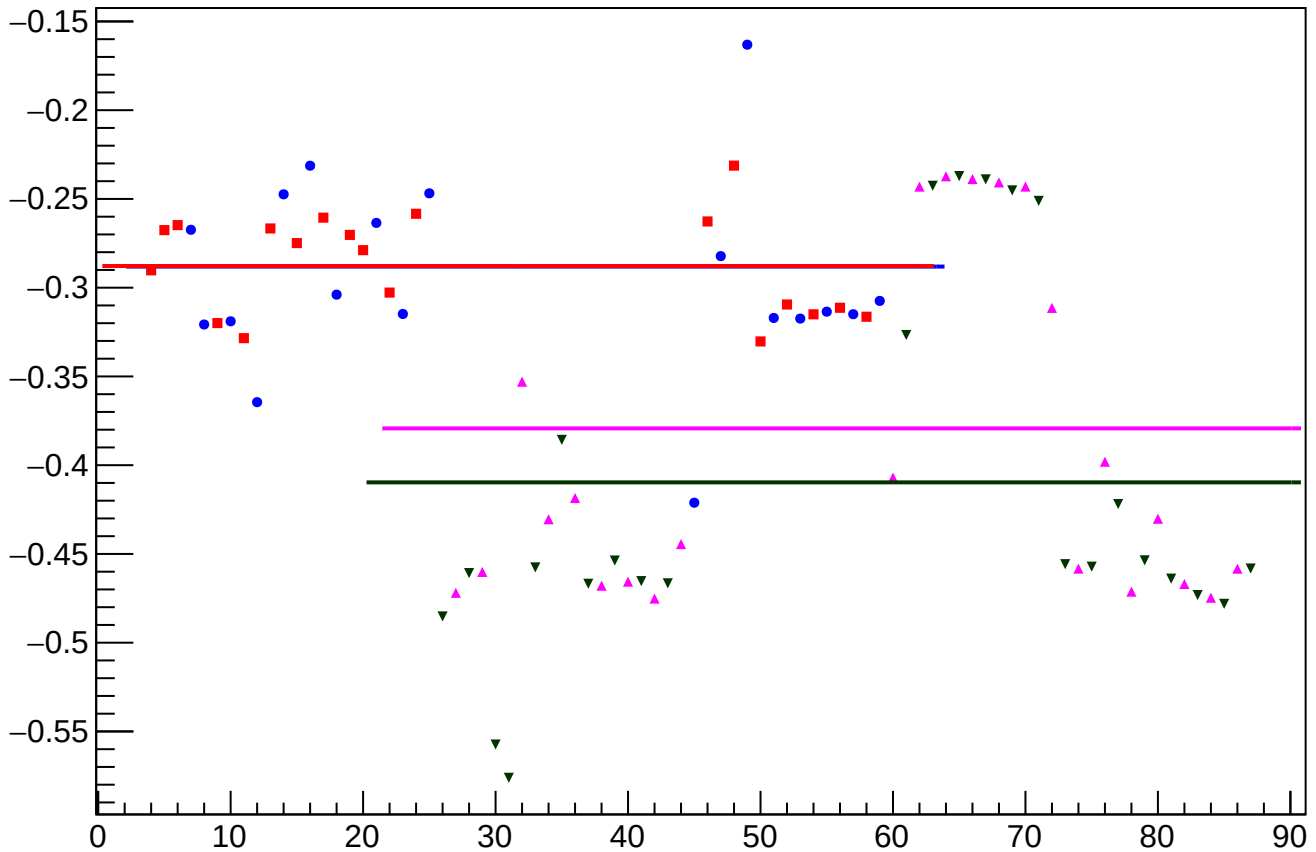
Right Out: 0.013+/-0.000 χ^2/NDF : 479245.1/18

Left In: 0.013+/-0.000 χ^2/NDF : 22354.4/22

0.013+/-0.000 χ^2/NDF : 619667.4/41

0.013+/-0.000 χ^2/NDF : 504115.6/41

yield_bpm0l10Y_mean vs slug



Right In: -0.288+/-0.000 χ^2/NDF : 2601289511.6/17

Left Out: -0.410+/-0.000 χ^2/NDF : 14308917360.4/23

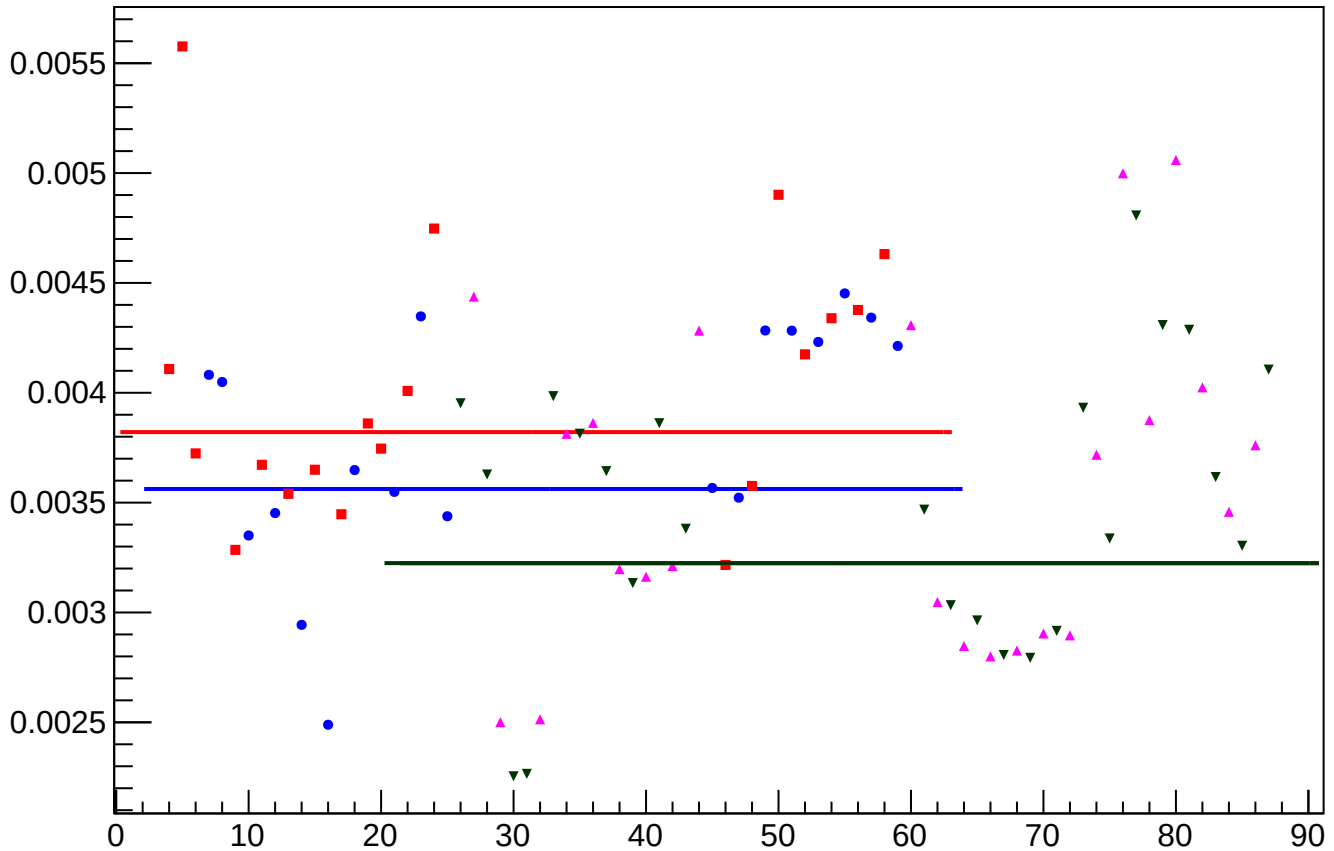
Right Out: -0.288+/-0.000 χ^2/NDF : 515794849.9/18

Left In: -0.379+/-0.000 χ^2/NDF : 10138005124.6/22

-0.356+/-0.000 χ^2/NDF : 23714106820.5/41

-0.347+/-0.000 χ^2/NDF : 14009720164.7/41

yield_bpm0l10Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 588741.6/17

Left Out: 0.003+/-0.000 χ^2/NDF : 817501.6/23

Right Out: 0.004+/-0.000 χ^2/NDF : 282191.6/18

Left In: 0.003+/-0.000 χ^2/NDF : 1011325.2/22

0.003+/-0.000 χ^2/NDF : 1510984.7/41

0.003+/-0.000 χ^2/NDF : 1579831.7/41