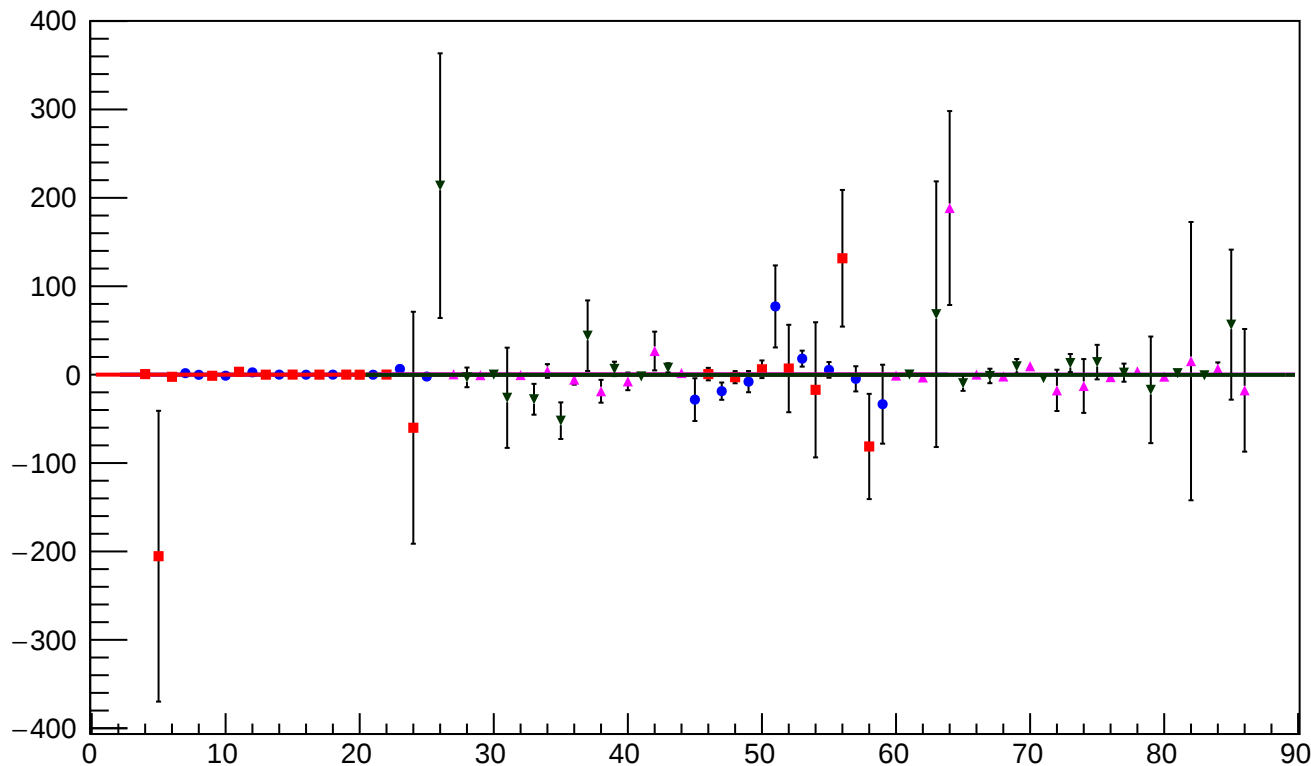


diff_cav4bX_mean vs slug



Right In: -0.014+/-0.014

Left Out: -0.236+/-0.916

Right Out: 0.017+/-0.016

Left In: 0.070+/-0.073

χ^2 /NDF: 31.2/17

χ^2 /NDF:23.9/22

χ^2 /NDF: 24.7/18

χ^2 /NDF:31.0/22

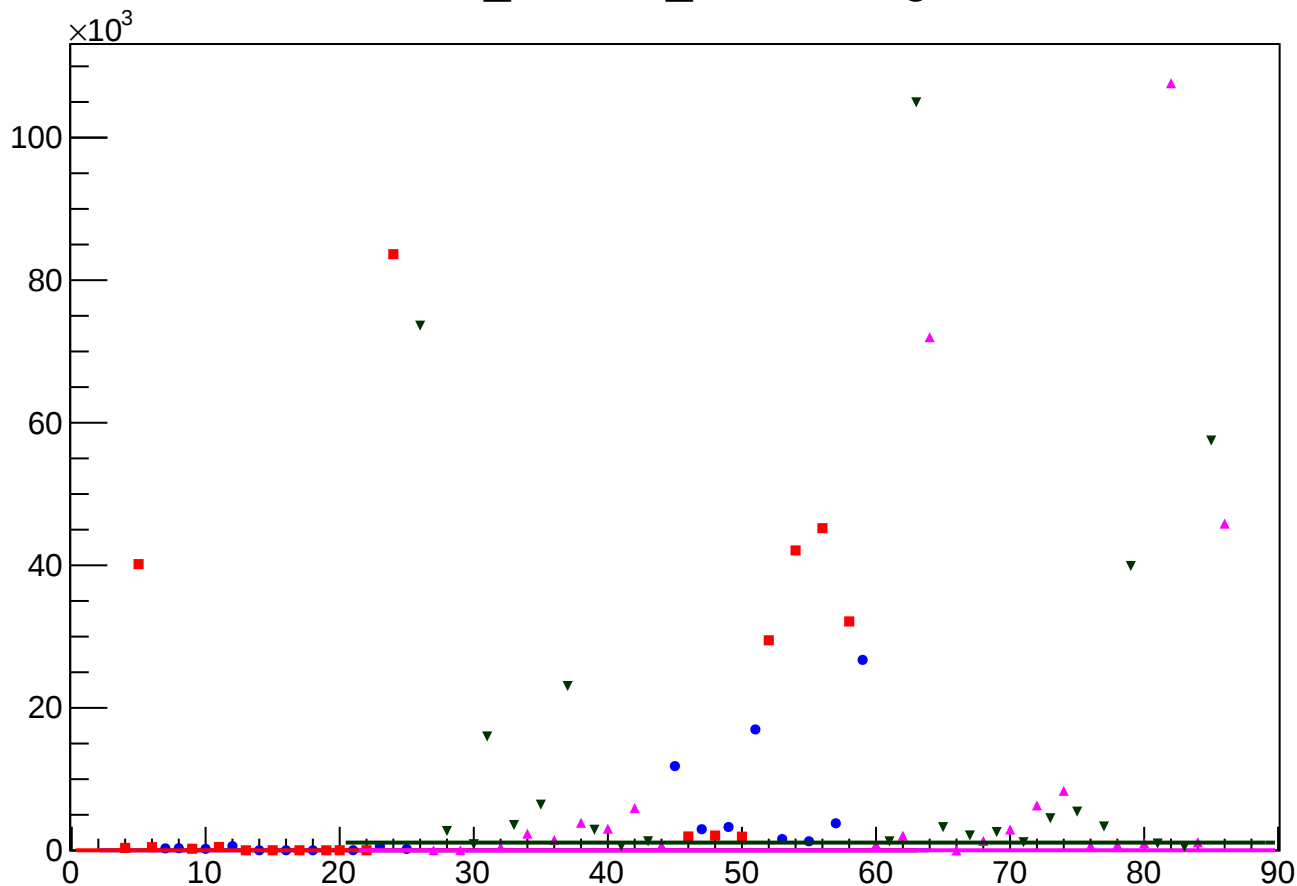
-0.014+/-0.014

0.019+/-0.016

χ^2 /NDF: 55.2/40

χ^2 /NDF: 56.2/41

diff_cav4bX_rms vs slug



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

Left Out: 1101.256 ± 0.648 χ^2/NDF : 5126701.7/22

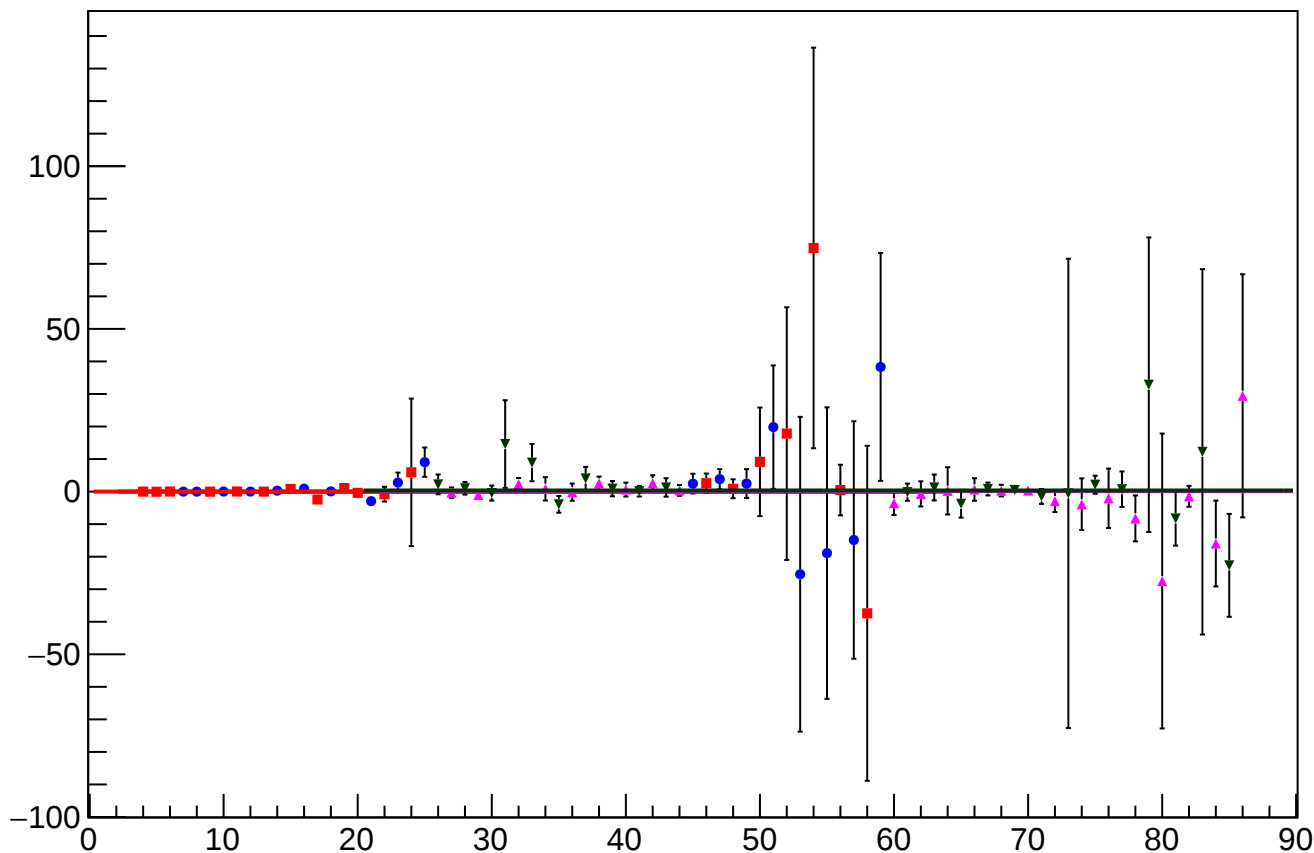
Right Out: 22.611 ± 0.011 χ^2/NDF : 4395534.2/18

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

22.693 ± 0.010 χ^2/NDF : 10703125.3/40

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: 0.344 ± 0.587 χ^2/NDF : 13.9/22

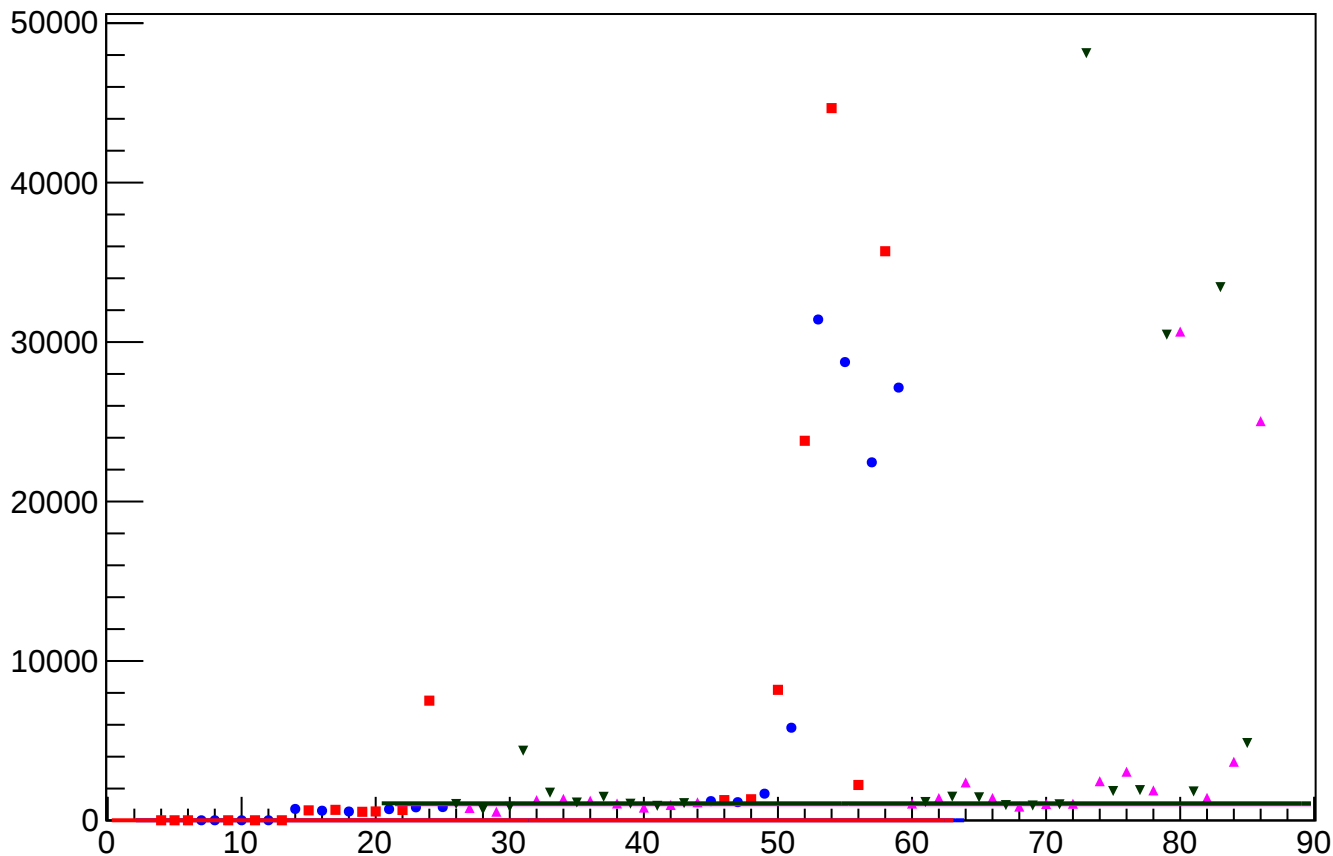
Right Out: 0.002 ± 0.005 χ^2/NDF : 20.3/18

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

-0.001 ± 0.006 χ^2/NDF : 37.8/40

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: 1074.996+/-0.415 χ^2/NDF : 3049777.4/22

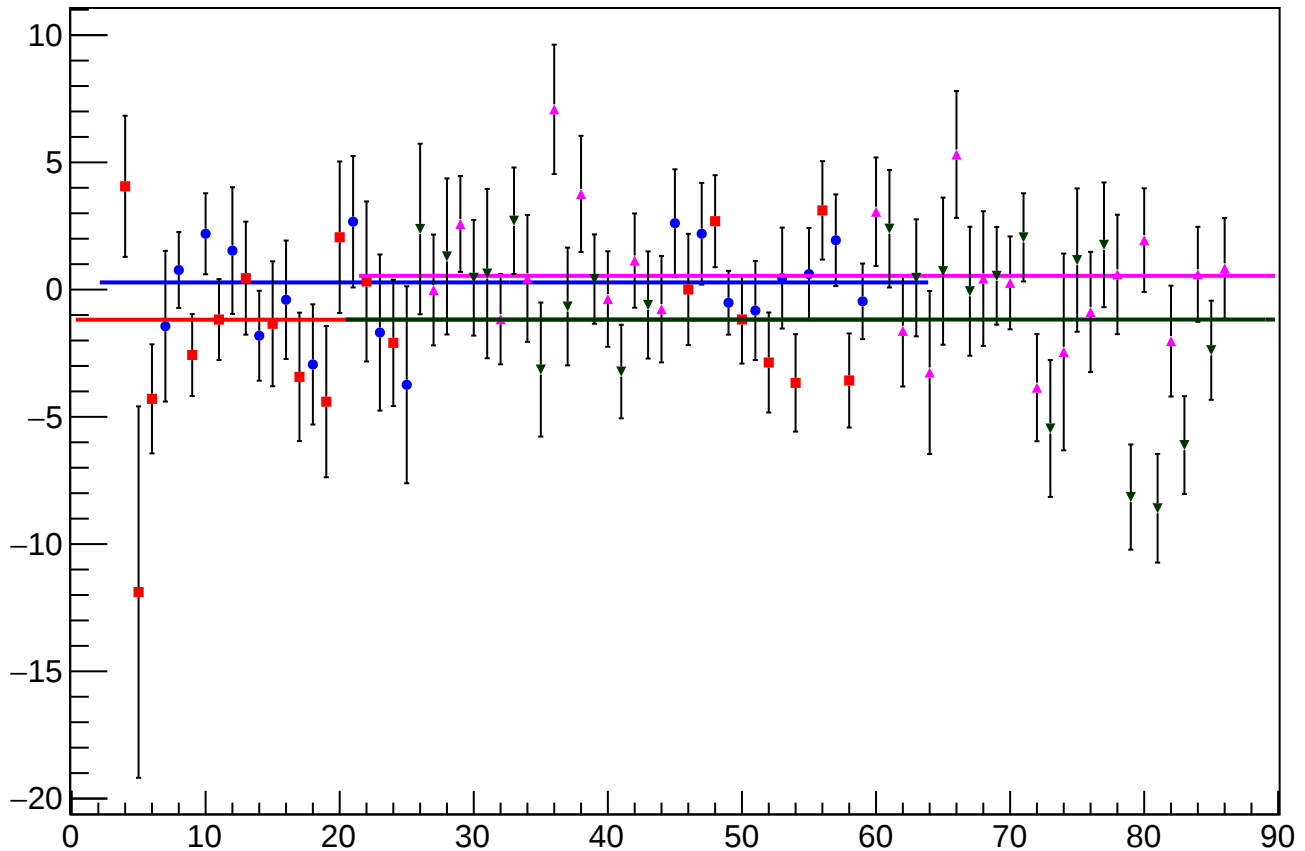
Right Out: 10.086+/-0.004 χ^2/NDF : 6750125.6/18

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

10.637+/-0.005 χ^2/NDF : 18578697.6/40

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

diff_cav4cX_mean vs slug



Right In: 0.283 ± 0.455 $\chi^2/\text{NDF}: 11.8/17$

Left Out: -1.176 ± 0.468 $\chi^2/\text{NDF}: 51.7/22$

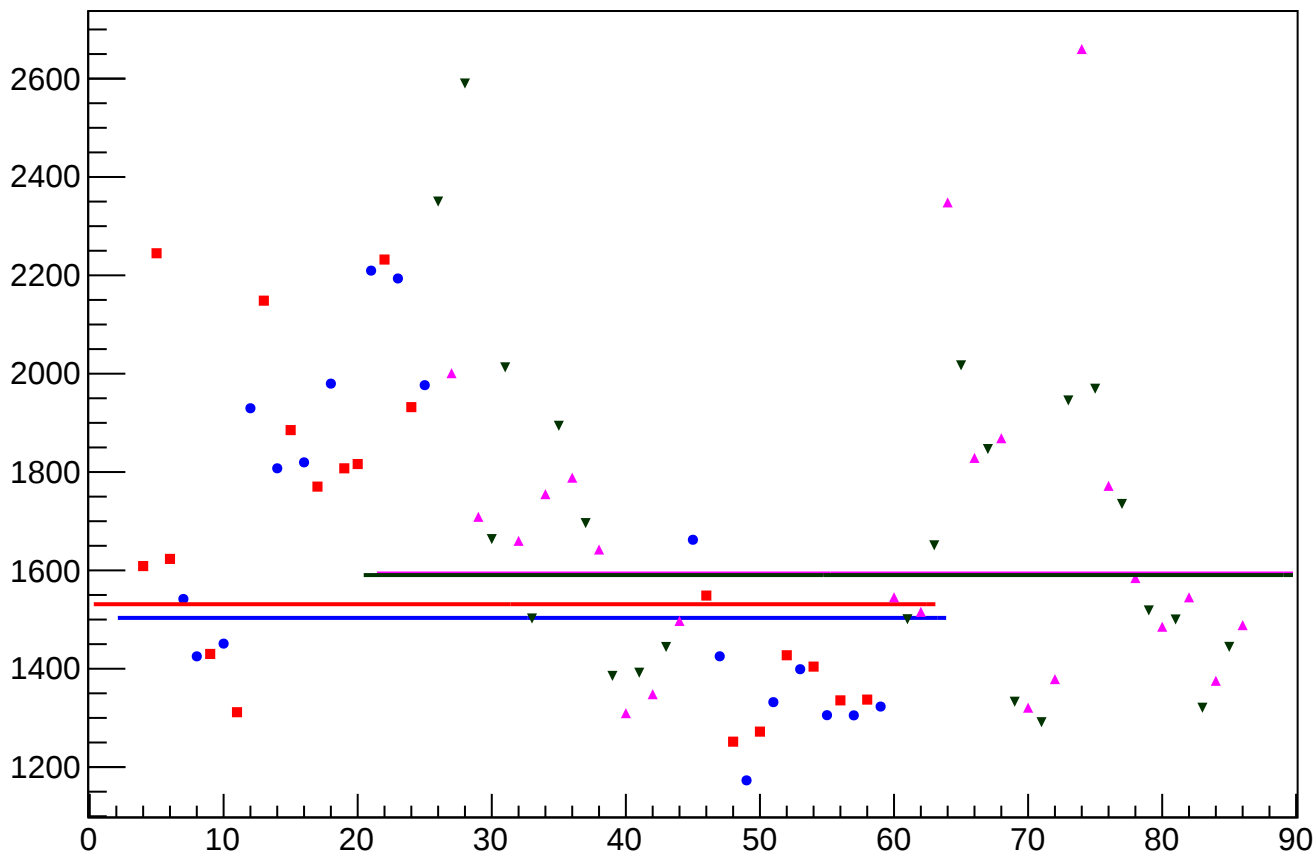
Right Out: -1.182 ± 0.494 $\chi^2/\text{NDF}: 26.5/18$

Left In: 0.542 ± 0.452 $\chi^2/\text{NDF}: 26.2/22$

-0.426 ± 0.326 $\chi^2/\text{NDF}: 68.5/40$

-0.244 ± 0.333 $\chi^2/\text{NDF}: 59.4/41$

diff_cav4cX_rms vs slug



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

Left Out: 1590.486+/-0.331 χ^2/NDF : 742805.1/22

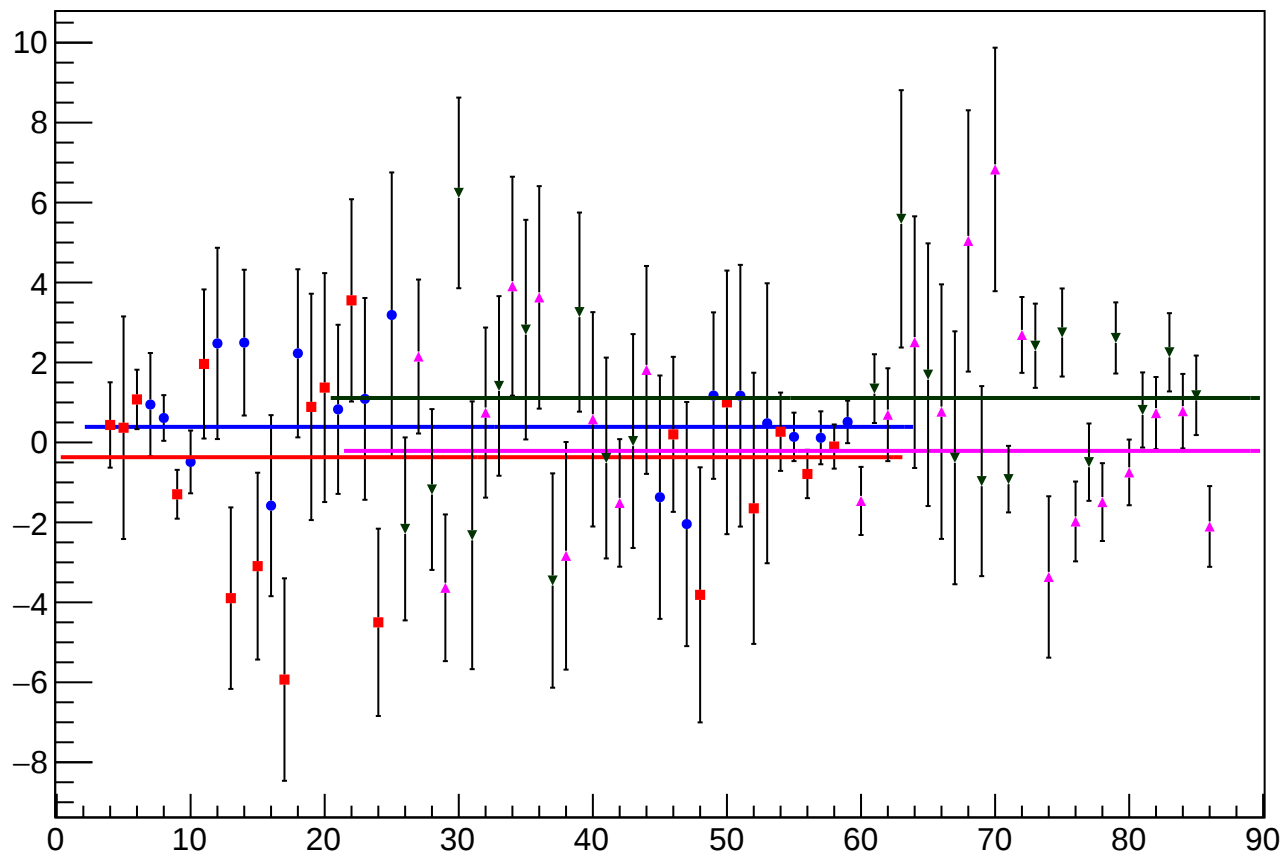
Right Out: 1531.211+/-0.349 χ^2/NDF : 621310.9/18

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

1545.729+/-0.231 χ^2/NDF : 1555122.0/40

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: 1.112 ± 0.287 χ^2/NDF : 33.4/22

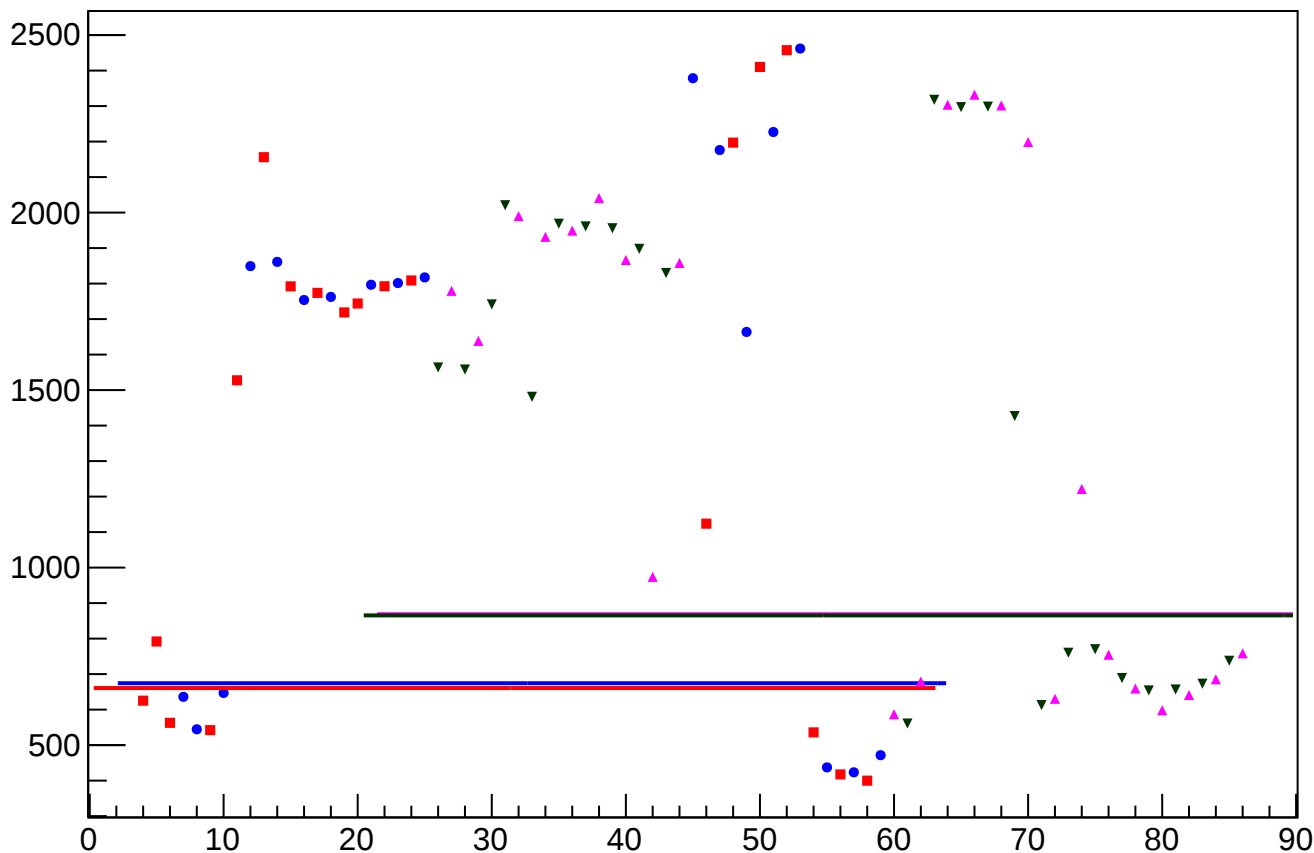
Right Out: -0.369 ± 0.263 χ^2/NDF : 25.7/18

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

0.703 ± 0.189 χ^2/NDF : 44.5/40

-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: 865.378+/-0.203 χ^2/NDF : 4887523.4/22

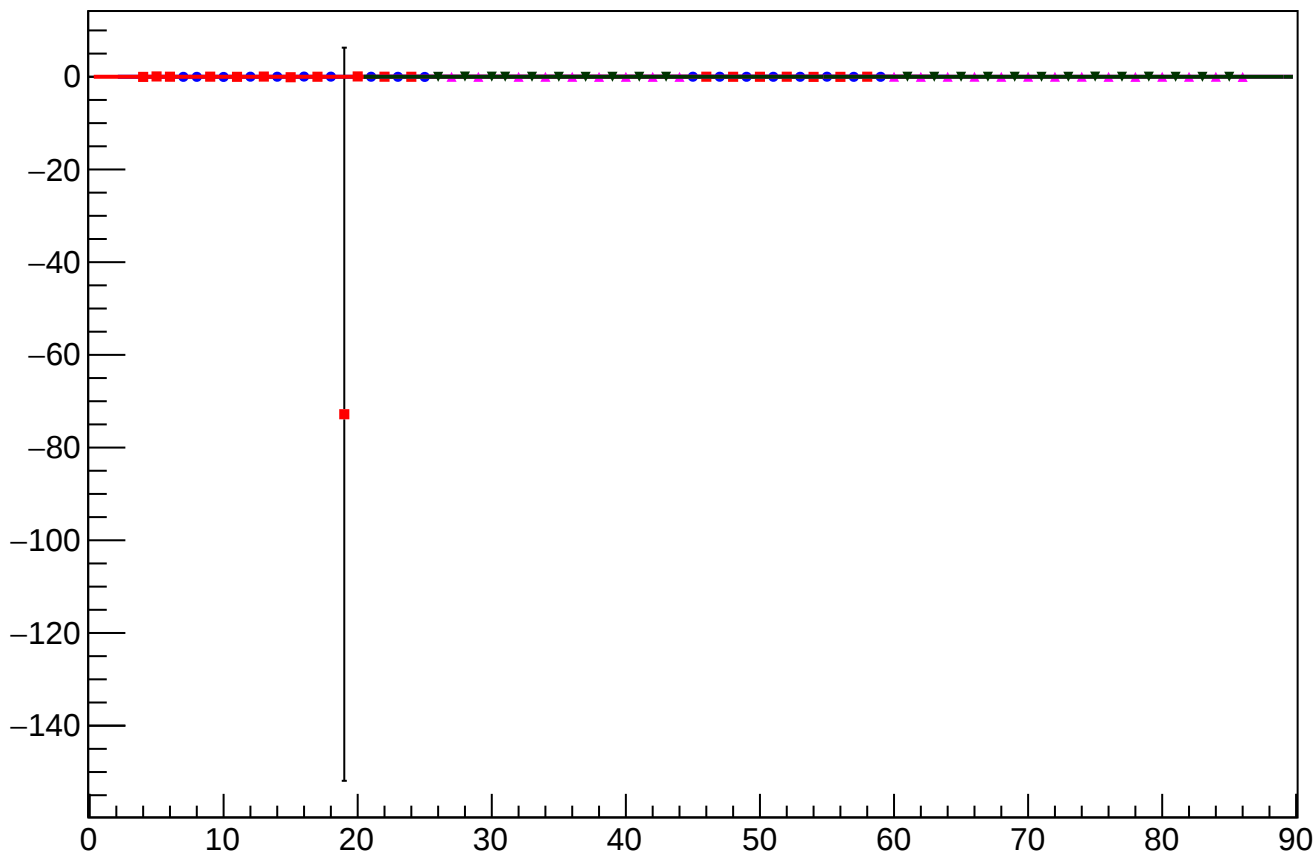
Right Out: 660.761+/-0.186 χ^2/NDF : 6222915.7/18

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

757.307+/-0.134 χ^2/NDF : 12402094.8/40

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: 18.4/22

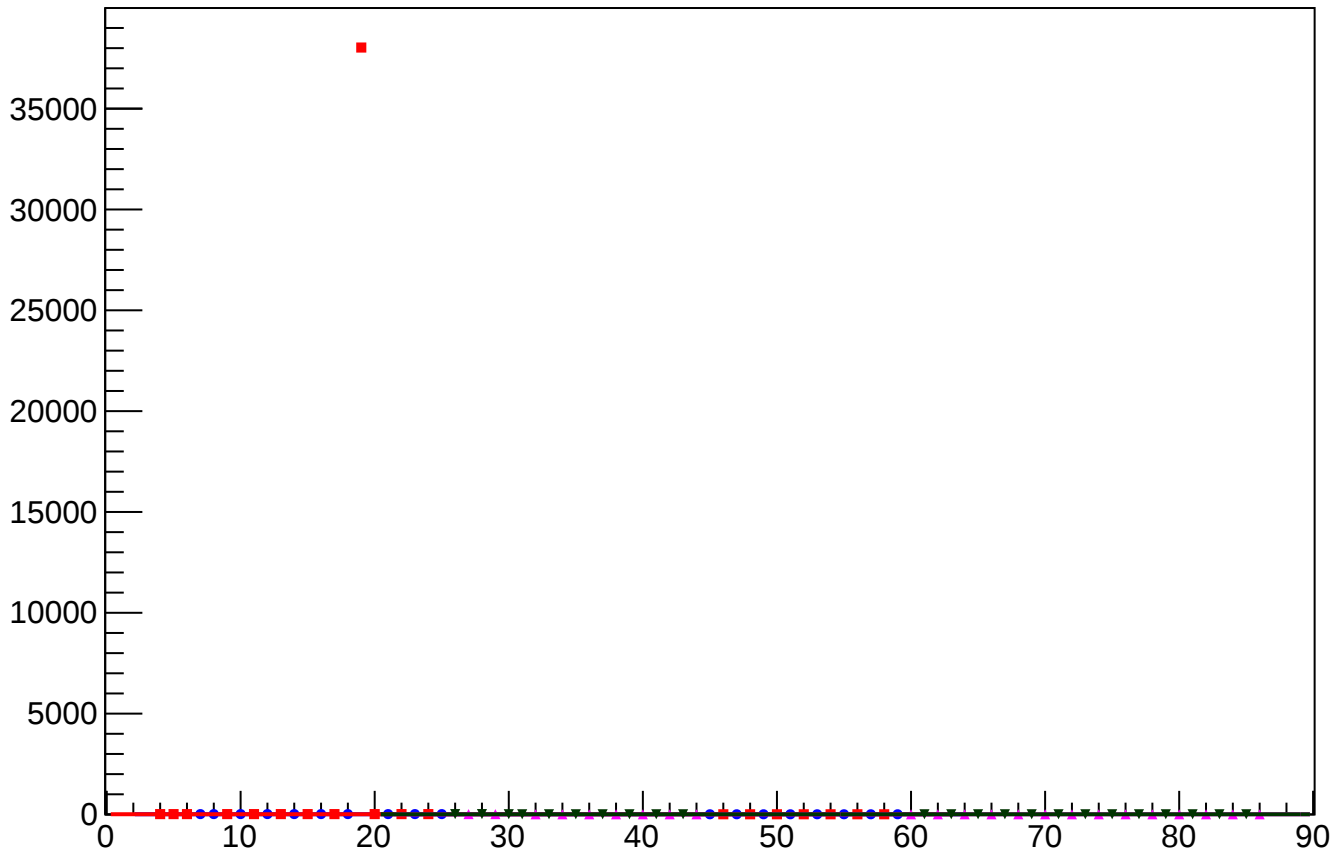
Right Out: 0.002 $\pm$ 0.004 χ^2 /NDF: 20.0/18

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

0.001 $\pm$ 0.002 χ^2 /NDF: 30.4/40

0.002 $\pm$ 0.002 χ^2 /NDF: 32.6/41

diff_cav4dX_rms vs slug



Right In: 10.593+/-0.003 χ^2/NDF : 1953039.1/17

Left Out: 8.927+/-0.002 χ^2/NDF : 626474.0/22

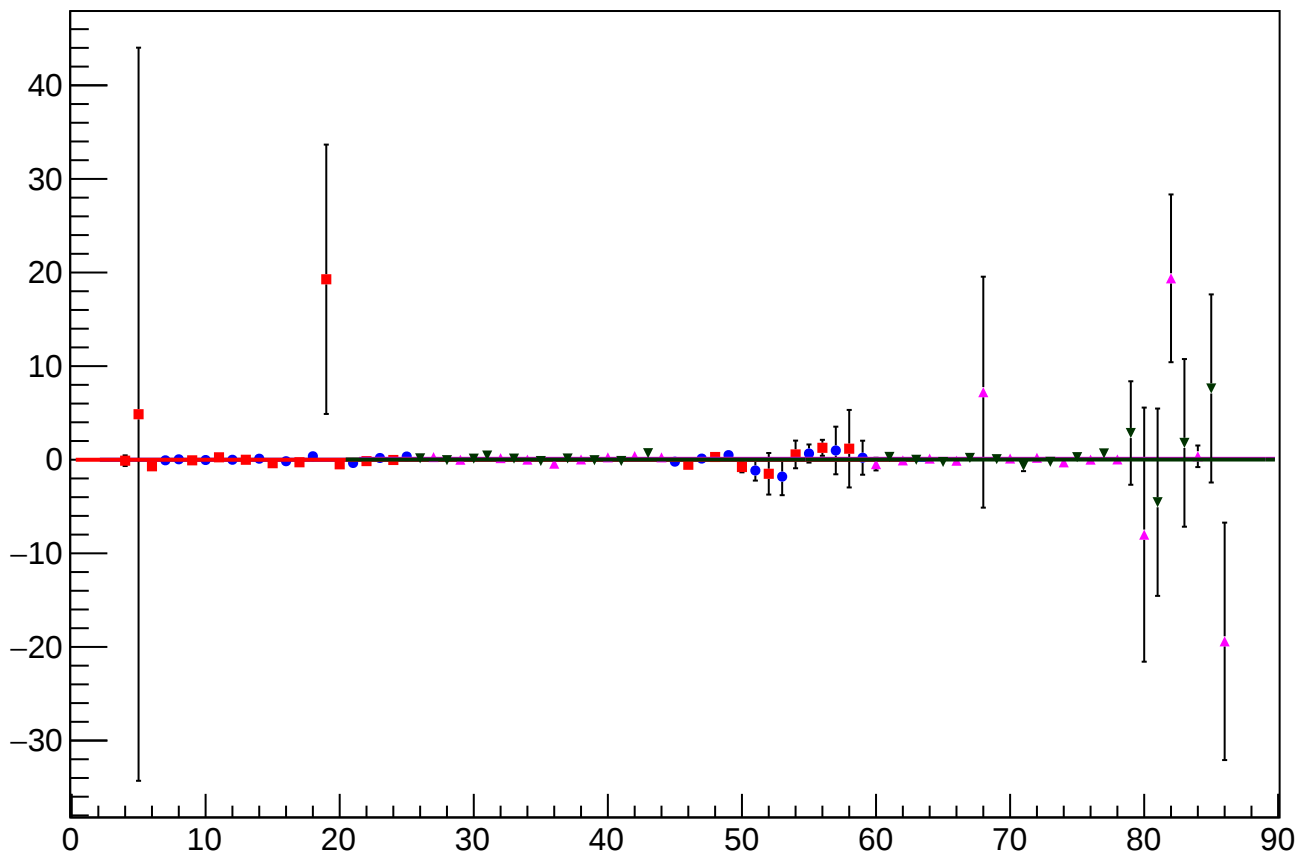
9.530+/-0.002 χ^2/NDF : 2849478.4/40

Right Out: 11.097+/-0.003 χ^2/NDF : 2257827.7/18

9.578+/-0.002 χ^2/NDF : 3439628.3/41

Left In: 8.934+/-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 : 27.0/22

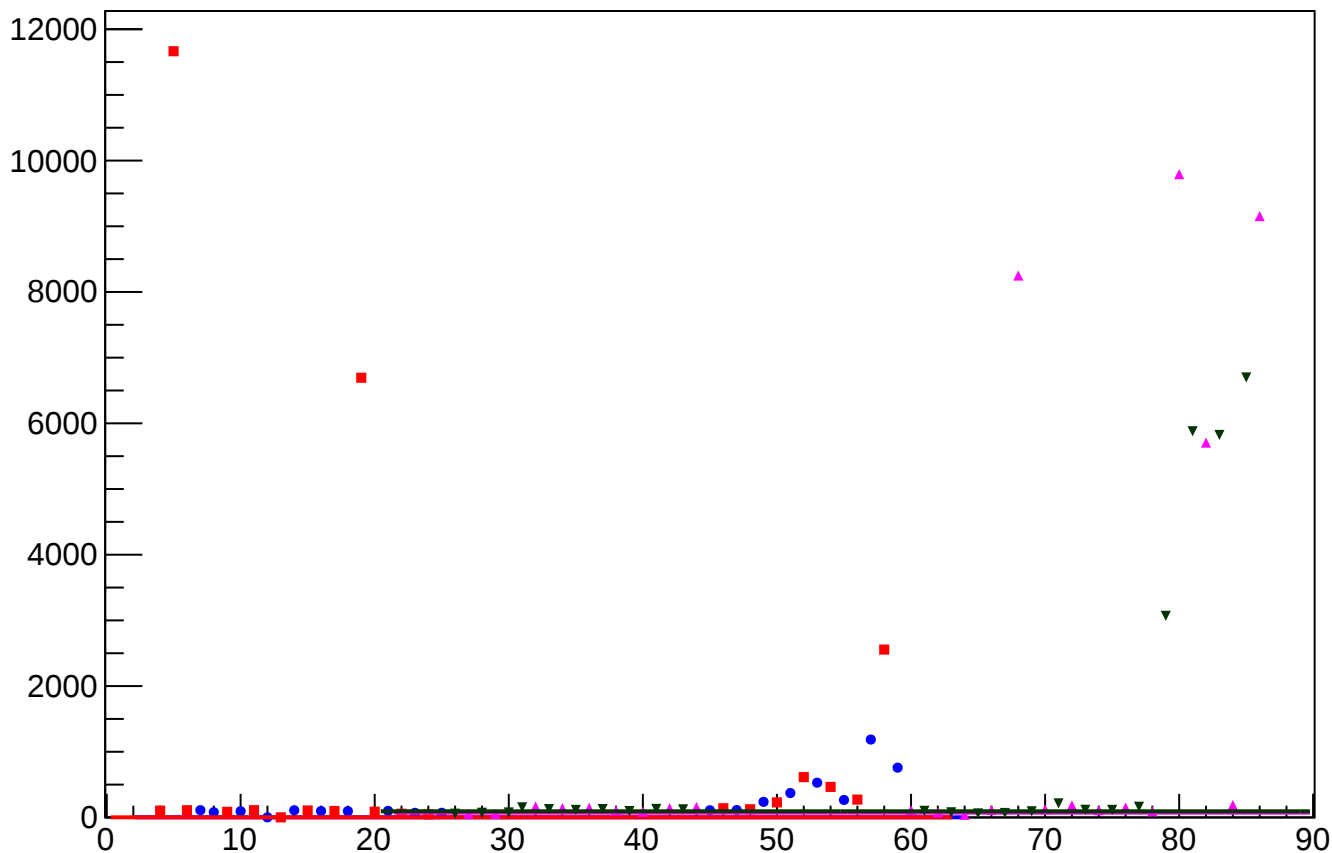
Right Out: -0.003 ± 0.003 χ^2/NDF : 21.1/18

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

-0.003 ± 0.003 χ^2/NDF : 48.2/40

-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: 93.763+/-0.031 χ^2/NDF : 3740110.3/22

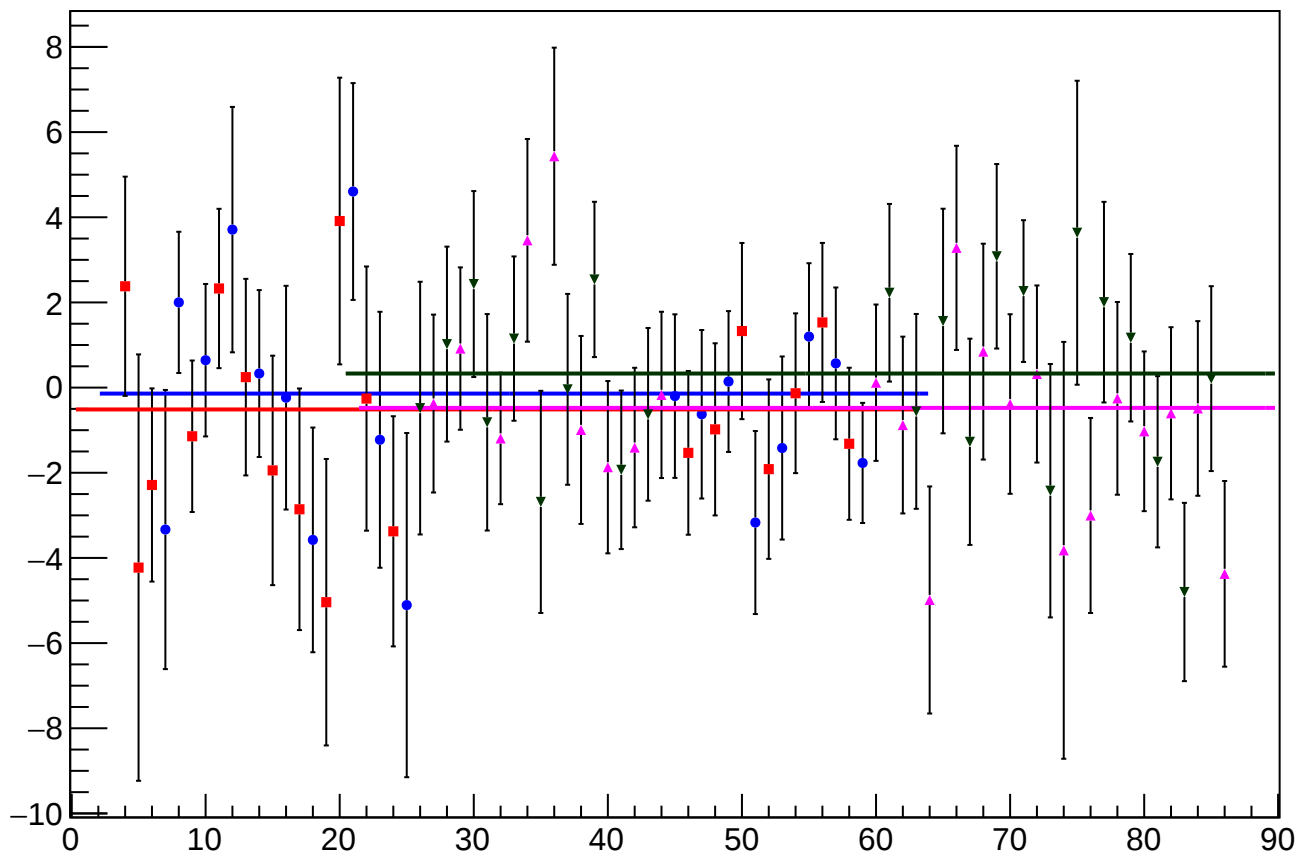
Right Out: 2.101+/-0.002 χ^2/NDF : 6716516.3/18

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

2.664+/-0.002 χ^2/NDF : 21595081.8/40

2.569+/-0.002 χ^2/NDF : 19862645.7/41

diff_bpm4aX_mean vs slug



Right In: -0.141 ± 0.485 χ^2/NDF : 16.0/17

Left Out: 0.331 ± 0.459 χ^2/NDF : 20.1/22

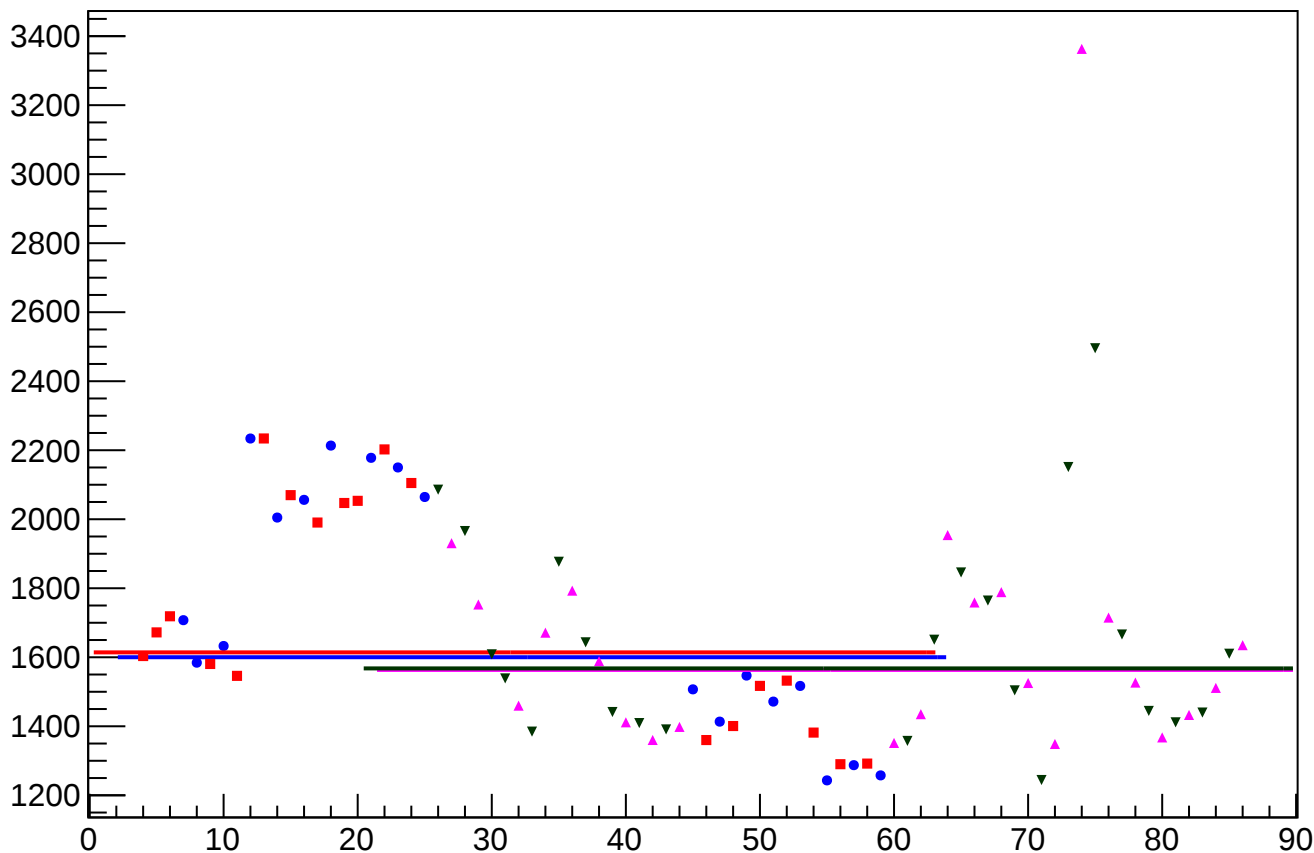
Right Out: -0.513 ± 0.519 χ^2/NDF : 13.6/18

Left In: -0.476 ± 0.442 χ^2/NDF : 20.5/22

0.108 ± 0.334 χ^2/NDF : 36.6/40

-0.492 ± 0.337 χ^2/NDF : 34.1/41

diff_bpm4aX_rms vs slug



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

Left Out: 1567.725+/-0.325 χ^2/NDF : 589451.5/22

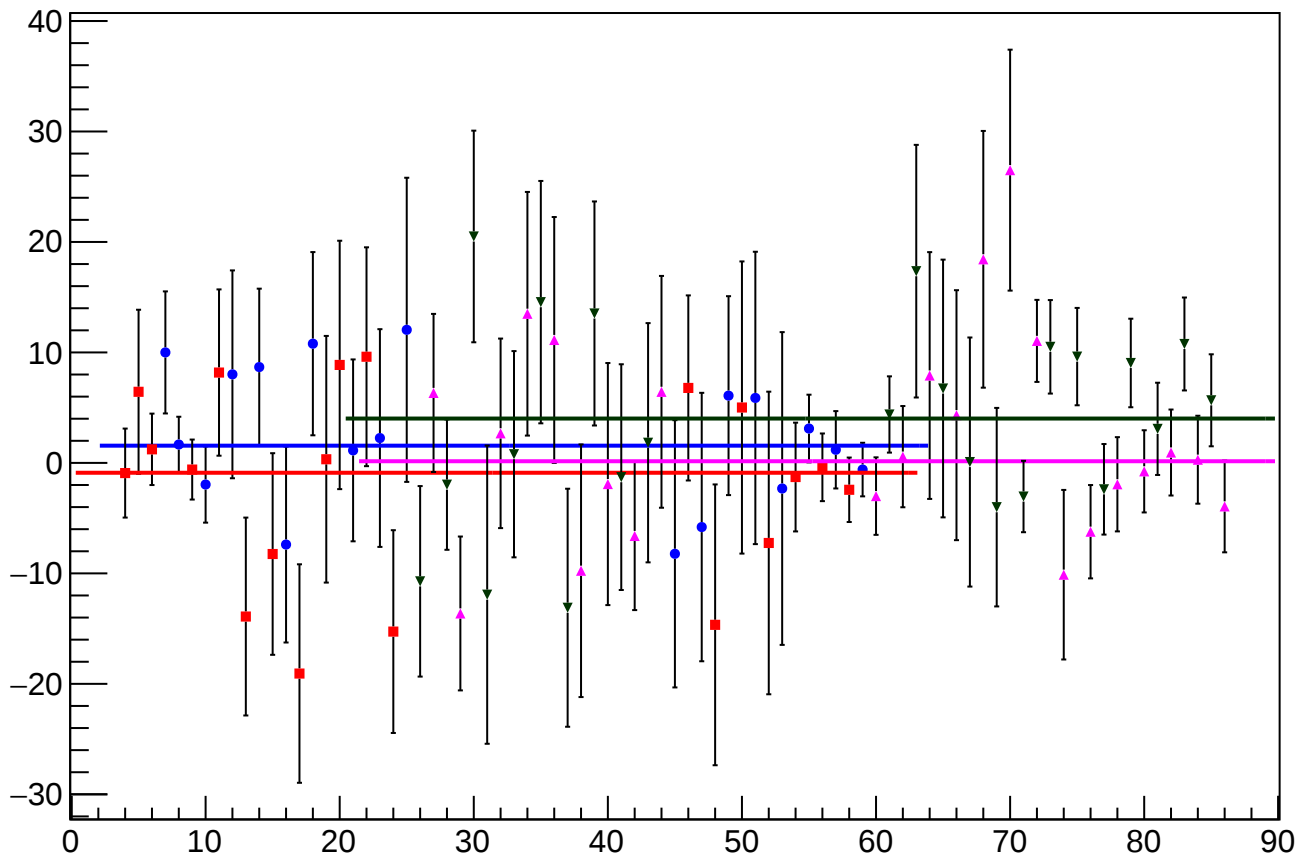
Right Out: 1614.182+/-0.367 χ^2/NDF : 670373.5/18

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

1583.017+/-0.236 χ^2/NDF : 1443904.5/40

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

diff_bpm4aY_mean vs slug



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

Left Out: 4.016 ± 1.170 χ^2/NDF : 31.0/22

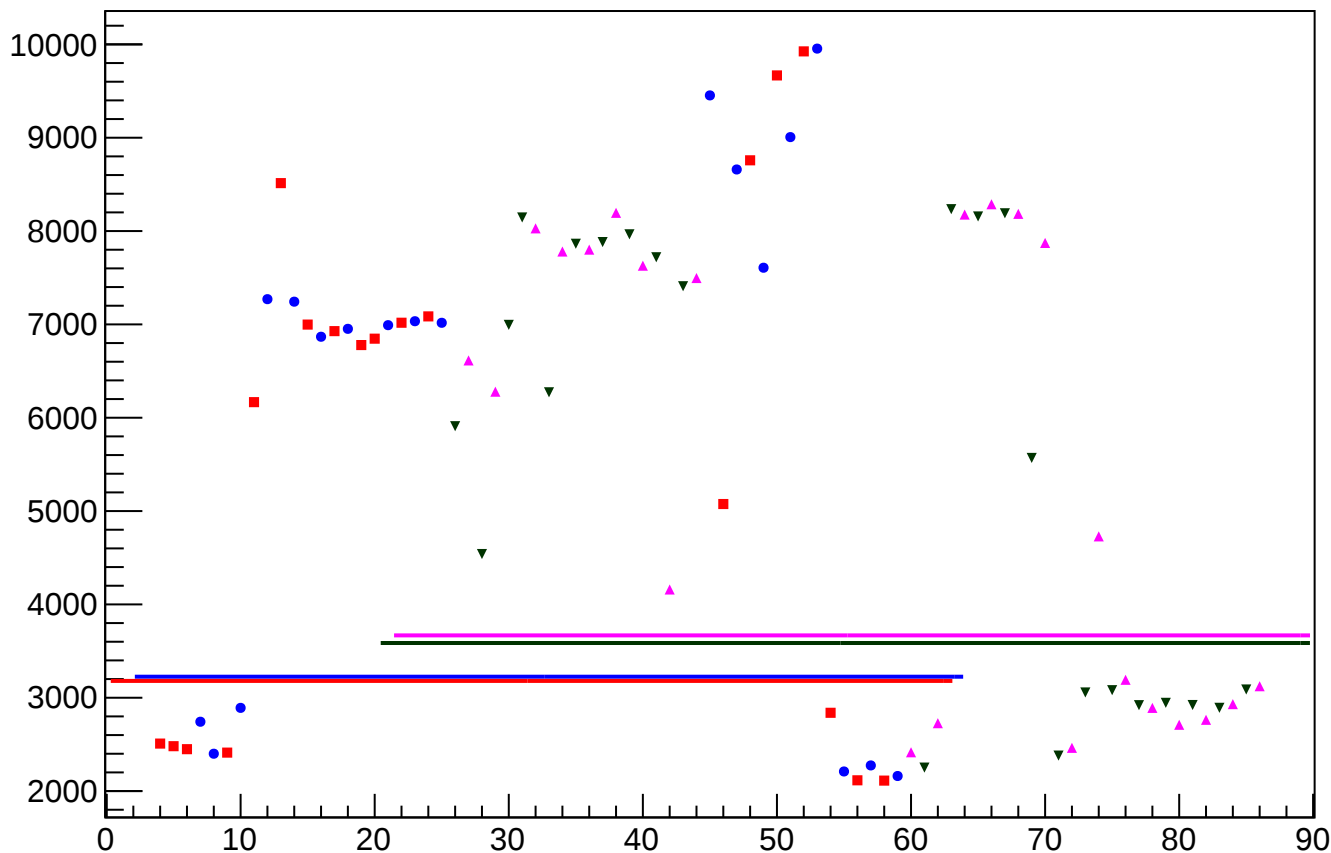
2.765 ± 0.820 χ^2/NDF : 43.4/40

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

-0.356 ± 0.835 χ^2/NDF : 49.6/41

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

diff_bpm4aY_rms vs slug



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

Left Out: 3586.452+/-0.827 χ^2/NDF : 4357732.0/22

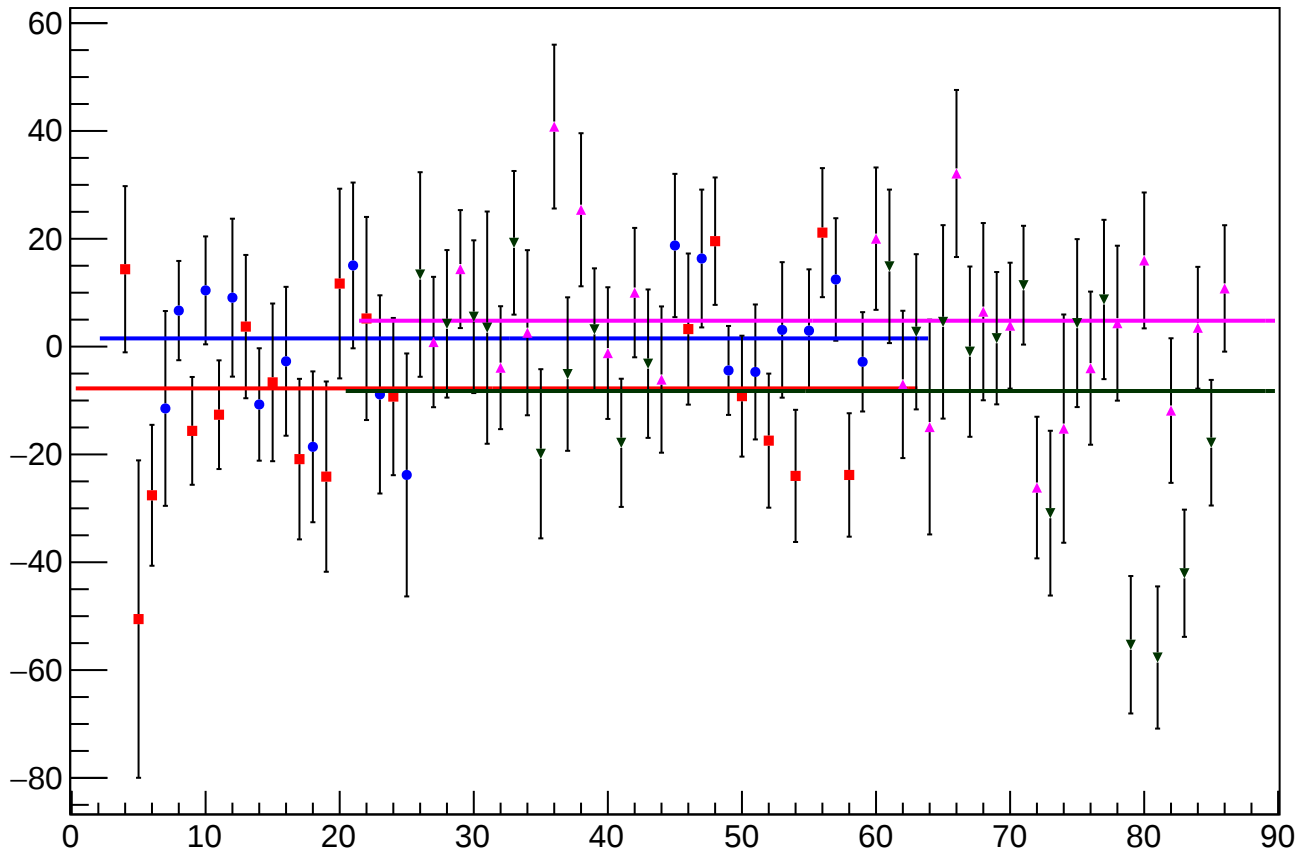
3402.534+/-0.579 χ^2/NDF : 10315545.6/40

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

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

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

diff_bpm4eX_mean vs slug



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

Left Out: -8.236 ± 2.872 $\chi^2/\text{NDF}: 58.5/22$

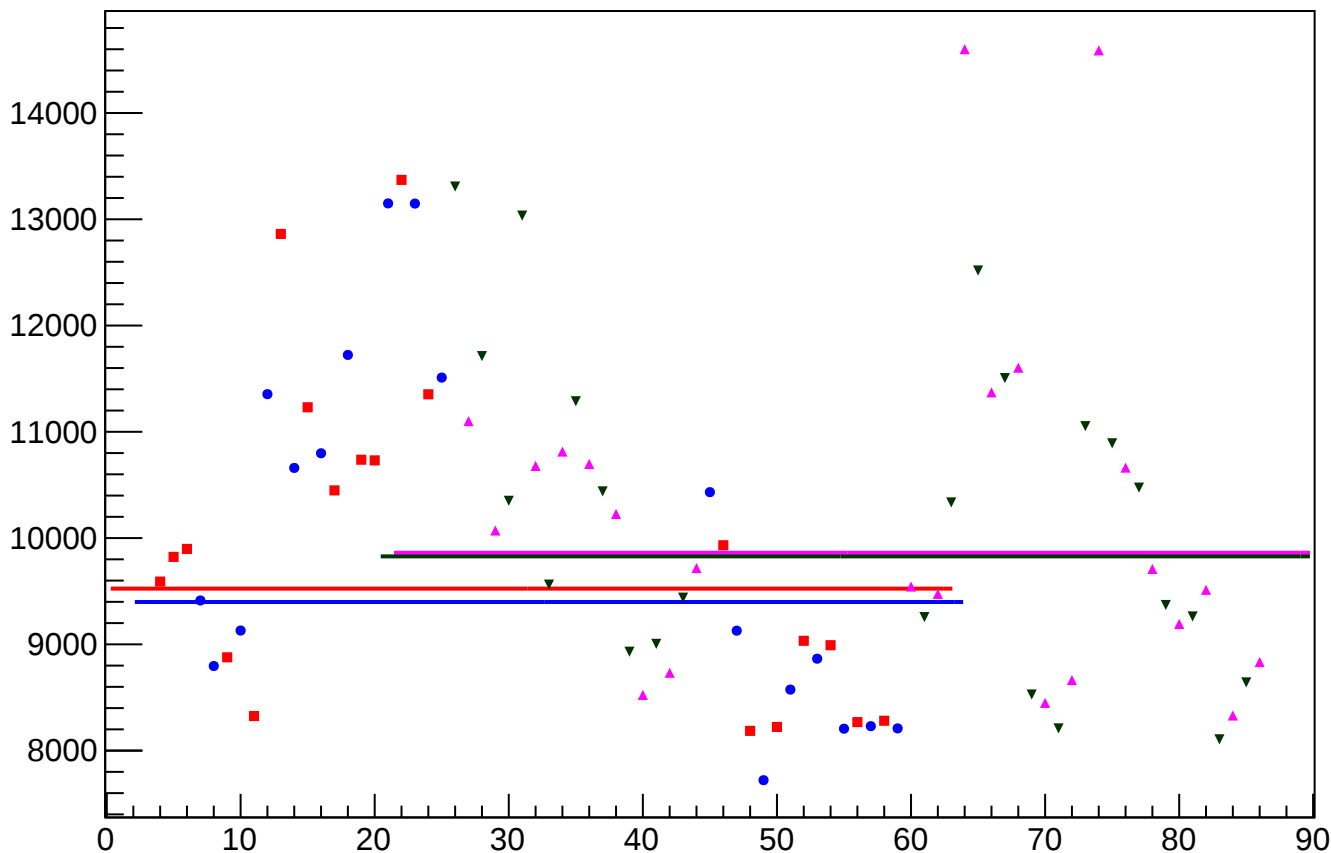
Right Out: -7.752 ± 3.046 $\chi^2/\text{NDF}: 27.5/18$

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

-3.290 ± 2.017 $\chi^2/\text{NDF}: 77.1/40$

-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: 9827.762 $\pm$ 2.031 χ^2 /NDF:432236.0/22

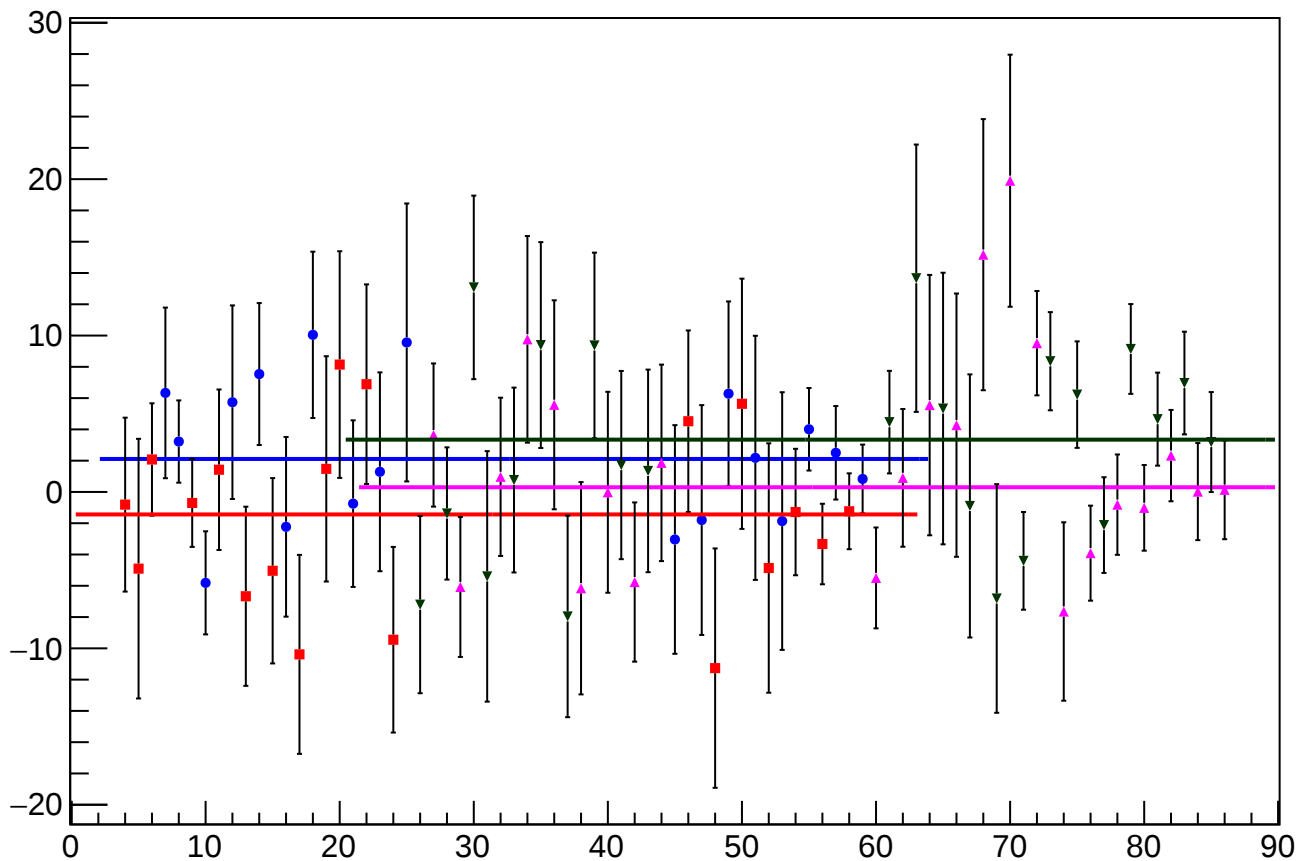
Right Out: 9524.317 $\pm$ 2.154 χ^2 /NDF: 440161.2/18

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

9610.090 $\pm$ 1.426 χ^2 /NDF: 1009773.5/40

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: 3.345 ± 0.890 χ^2/NDF : 35.9/22

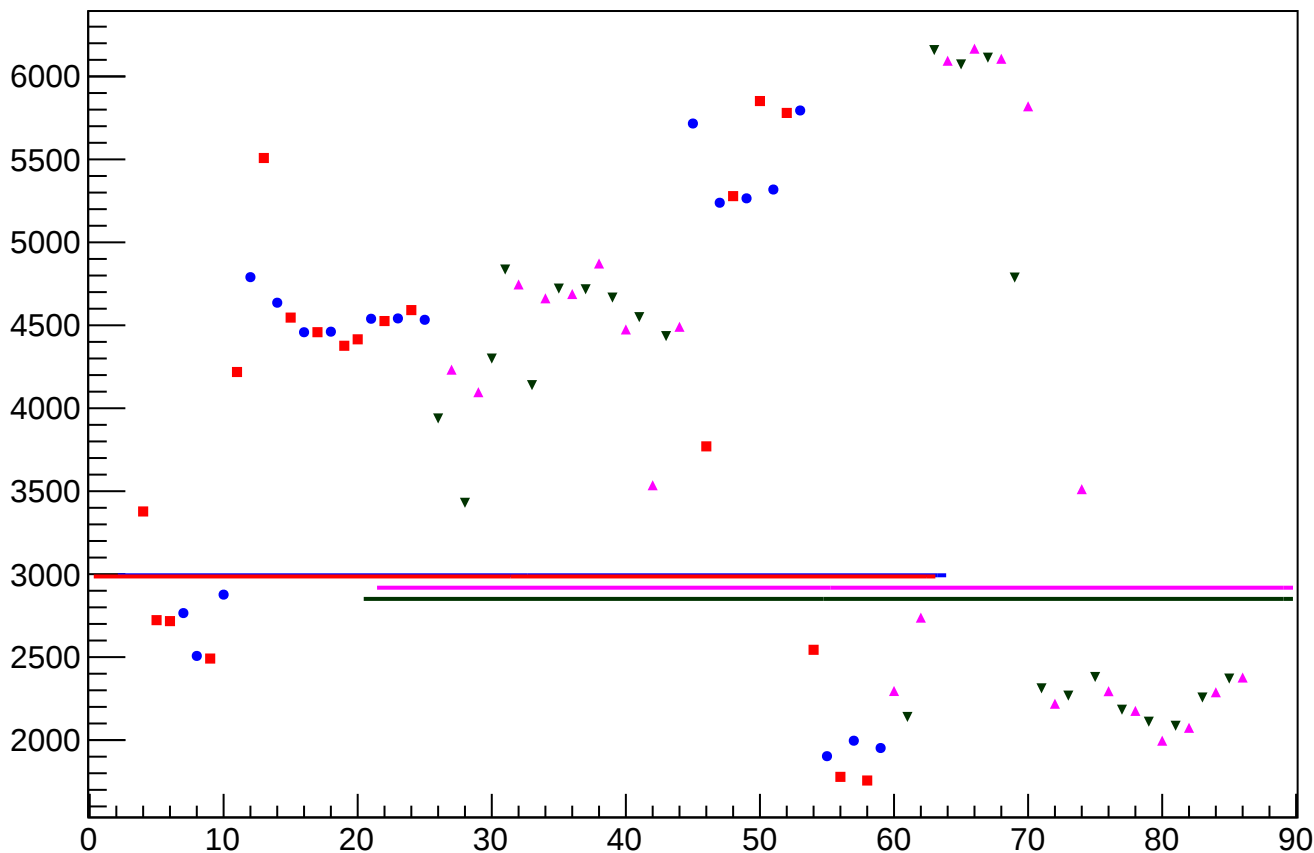
Right Out: -1.438 ± 1.040 χ^2/NDF : 14.4/18

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

2.786 ± 0.659 χ^2/NDF : 51.3/40

-0.429 ± 0.674 χ^2/NDF : 48.7/41

diff_bpm4eY_rms vs slug



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

Left Out: 2850.928 $\pm$ 0.629 χ^2 /NDF:2994809.8/22

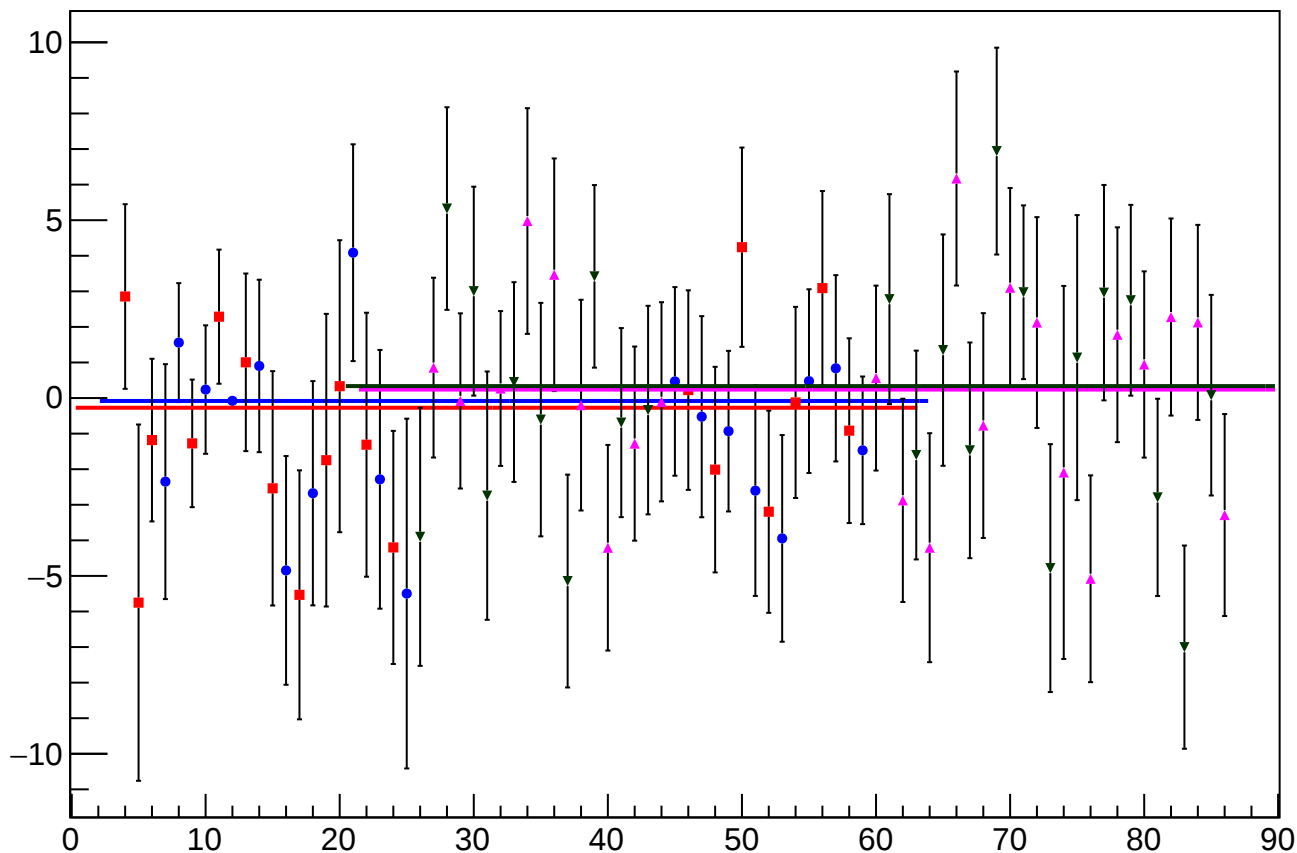
Right Out: 2986.116 $\pm$ 0.736 χ^2 /NDF: 2945634.2/18

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

2915.316 $\pm$ 0.466 χ^2 /NDF: 6336064.5/40

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

diff_bpm4acX_mean vs slug



Right In: -0.082 ± 0.060 $\chi^2/\text{NDF}: 11.3/17$

Left Out: 0.336 ± 0.617 $\chi^2/\text{NDF}: 30.7/22$

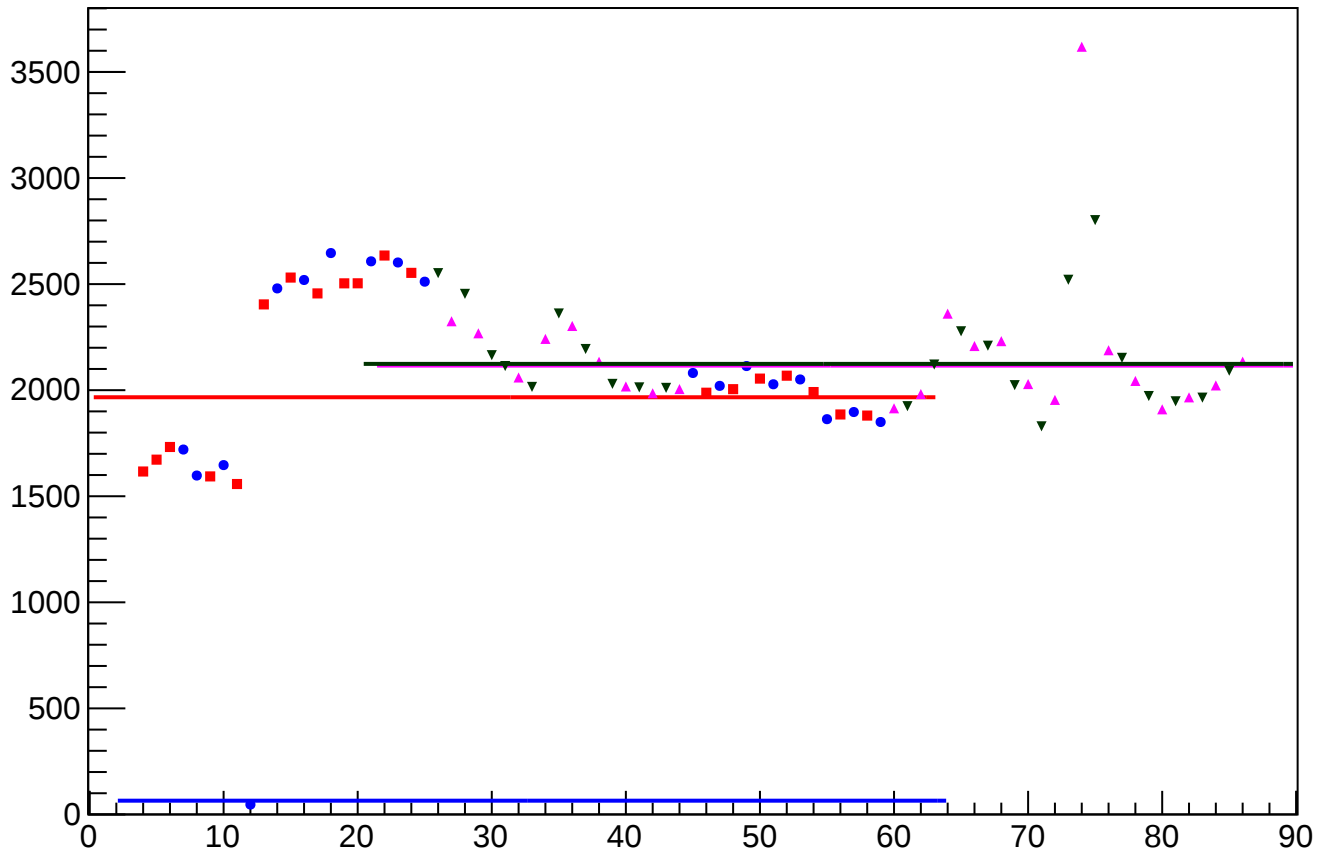
Right Out: -0.272 ± 0.631 $\chi^2/\text{NDF}: 15.3/18$

Left In: 0.239 ± 0.594 $\chi^2/\text{NDF}: 21.0/22$

-0.078 ± 0.060 $\chi^2/\text{NDF}: 42.4/40$

-0.001 ± 0.432 $\chi^2/\text{NDF}: 36.6/41$

diff_bpm4acX_rms vs slug



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

Left Out: 2123.912+/-0.436 χ^2/NDF : 229658.0/22

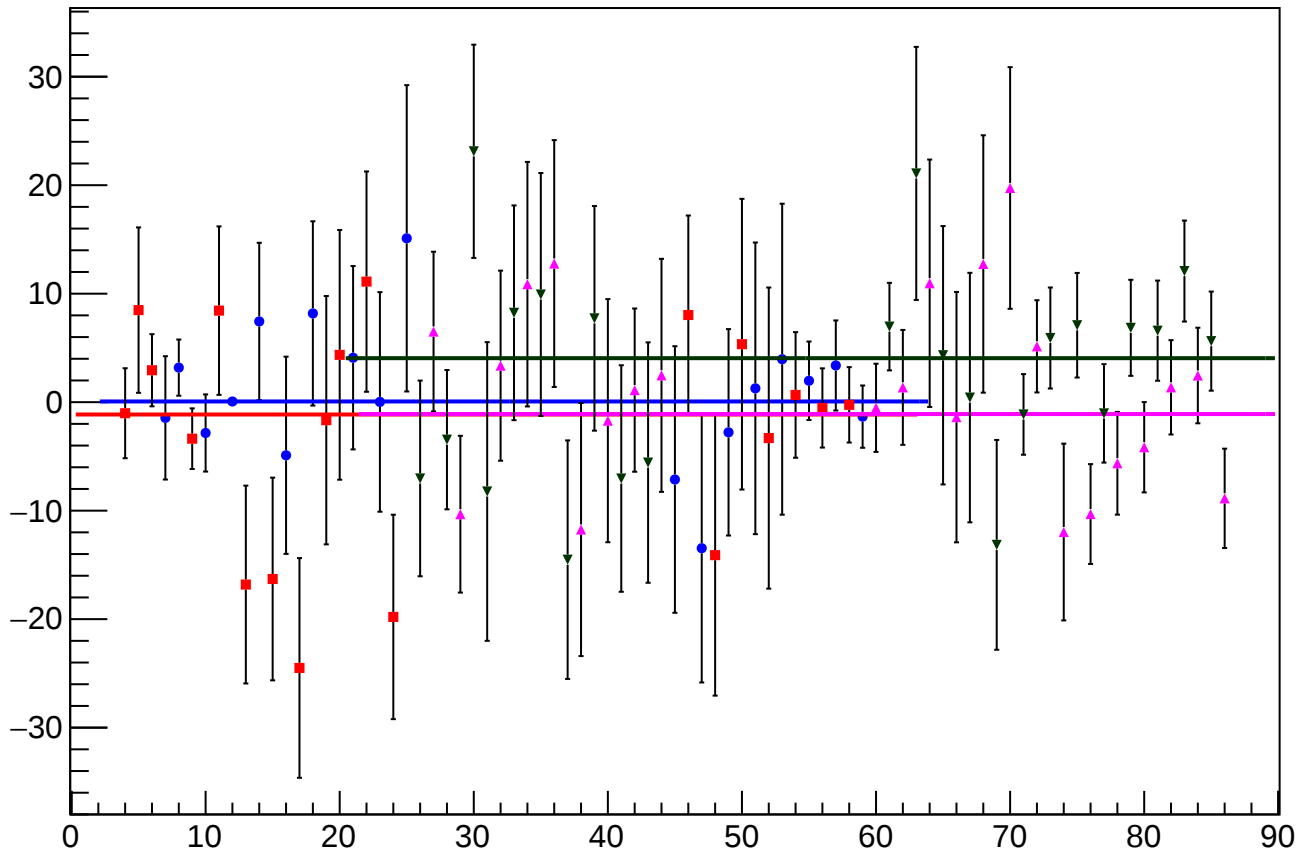
Right Out: 1966.634+/-0.446 χ^2/NDF : 610680.3/18

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

84.251+/-0.042 χ^2/NDF : 42576735.0/40

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

diff_bpm4acY_mean vs slug



Right In: 0.065 ± 0.052 $\chi^2/\text{NDF}: 8.7/17$

Left Out: 4.055 ± 1.289 $\chi^2/\text{NDF}: 26.2/22$

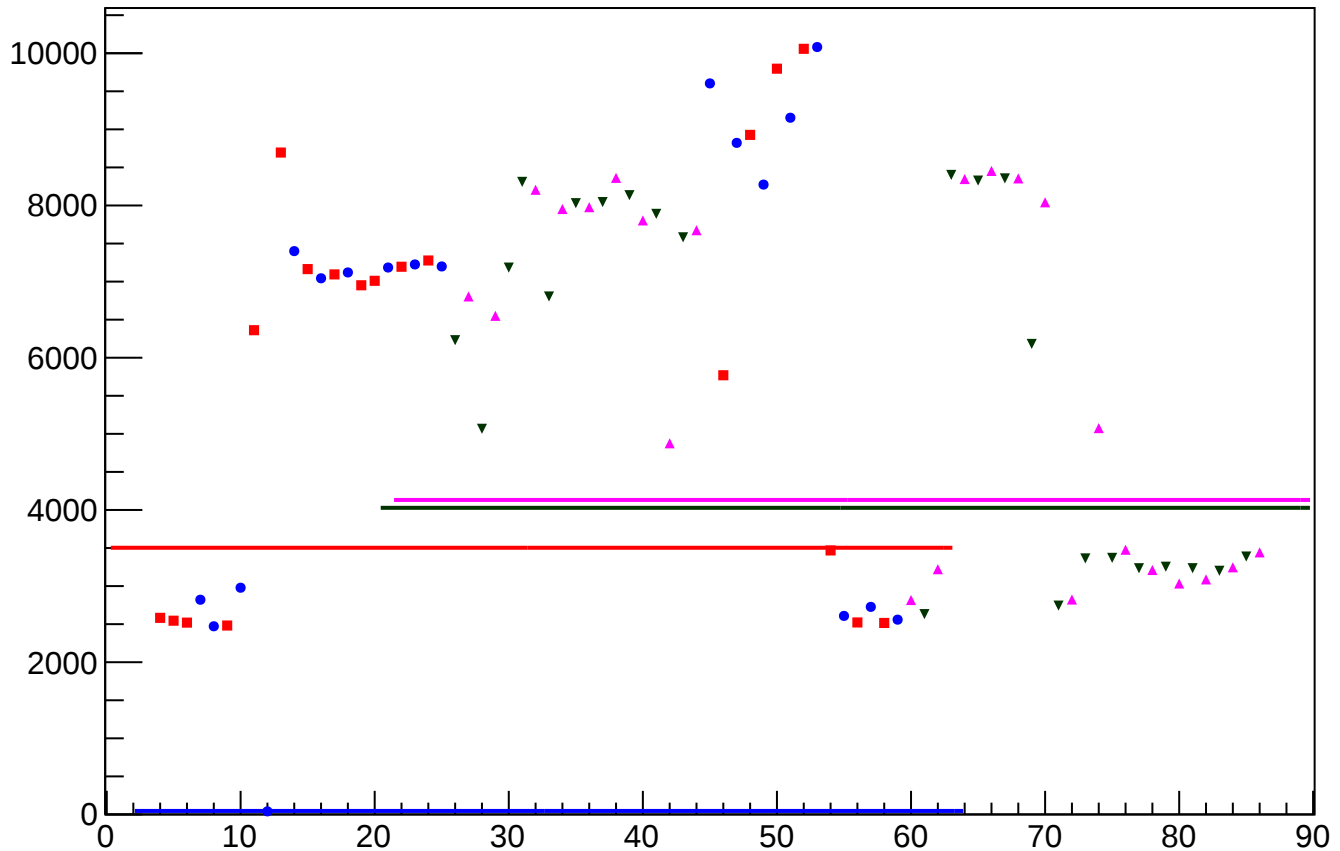
0.072 ± 0.052 $\chi^2/\text{NDF}: 44.5/40$

Right Out: -1.137 ± 1.295 $\chi^2/\text{NDF}: 24.2/18$

Left In: -1.096 ± 1.284 $\chi^2/\text{NDF}: 26.1/22$

-1.116 ± 0.912 $\chi^2/\text{NDF}: 50.3/41$

diff_bpm4acY_rms vs slug



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

Left Out: 4028.310+/-0.912 χ^2/NDF : 3809707.9/22

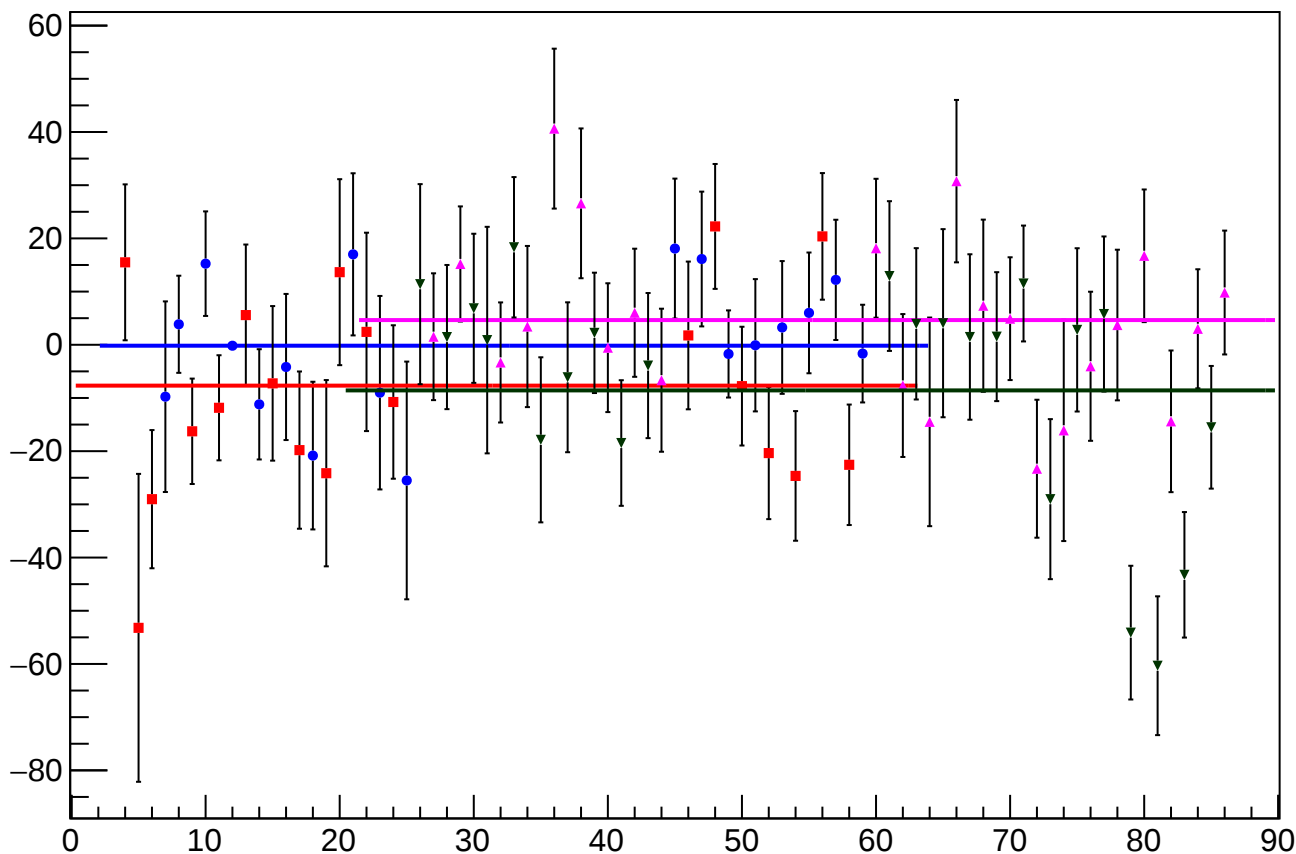
Right Out: 3503.720+/-0.916 χ^2/NDF : 4669685.2/18

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

52.743+/-0.037 χ^2/NDF : 43033933.4/40

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

diff_bpm4ecX_mean vs slug



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

Left Out: -8.576 ± 2.843 $\chi^2/\text{NDF}: 58.7/22$

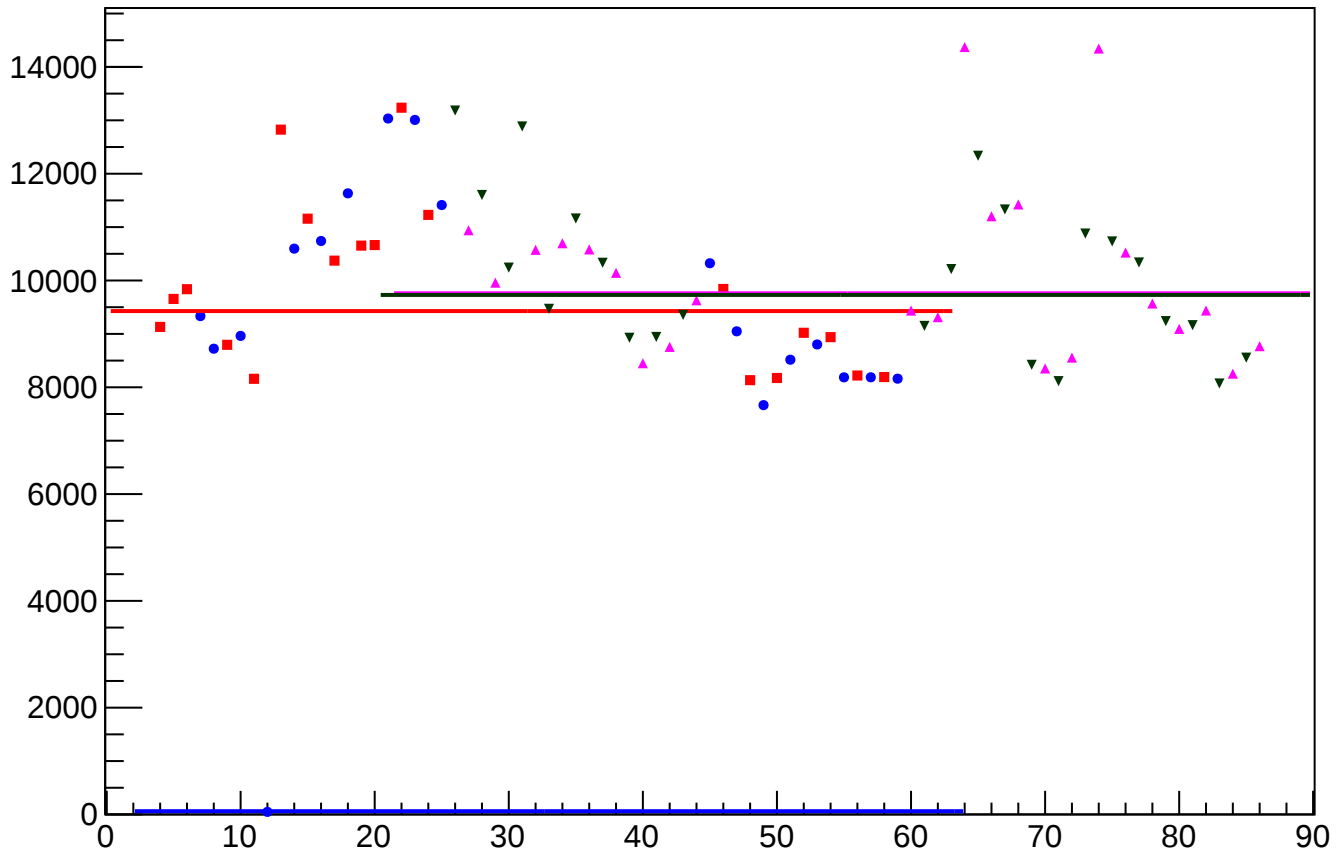
Right Out: -7.679 ± 3.015 $\chi^2/\text{NDF}: 30.2/18$

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

-0.186 ± 0.106 $\chi^2/\text{NDF}: 81.8/40$

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

diff_bpm4ecX_rms vs slug



Right In: 60.738+/-0.075 χ^2/NDF : 21121924.5/17

Left Out: 9729.864+/-2.010 χ^2/NDF : 422505.1/22

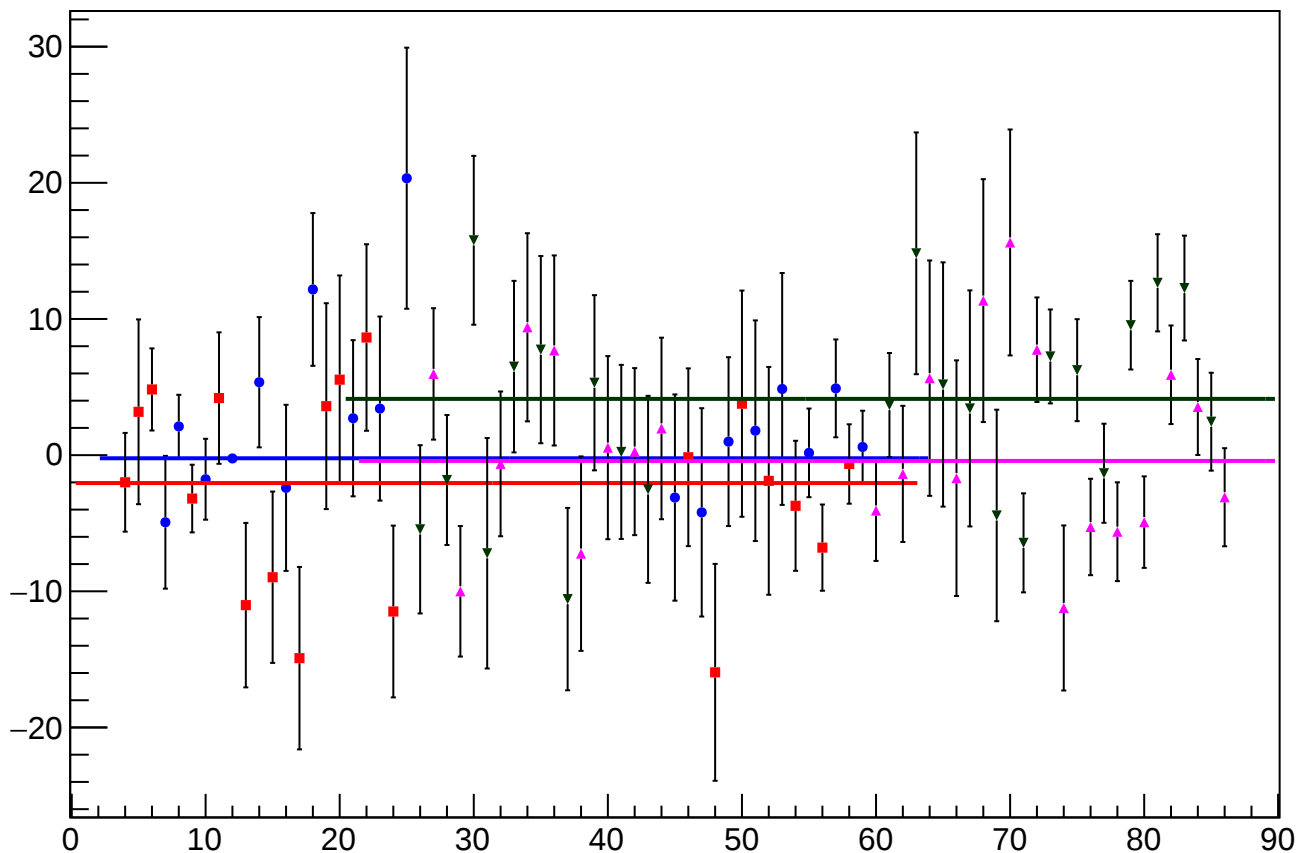
Right Out: 9427.549+/-2.132 χ^2/NDF : 447350.4/18

Left In: 9760.567+/-1.947 χ^2/NDF : 444274.9/22

74.281+/-0.075 χ^2/NDF : 44643911.6/40

9609.154+/-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: 4.132 ± 1.002 χ^2/NDF : 43.6/22

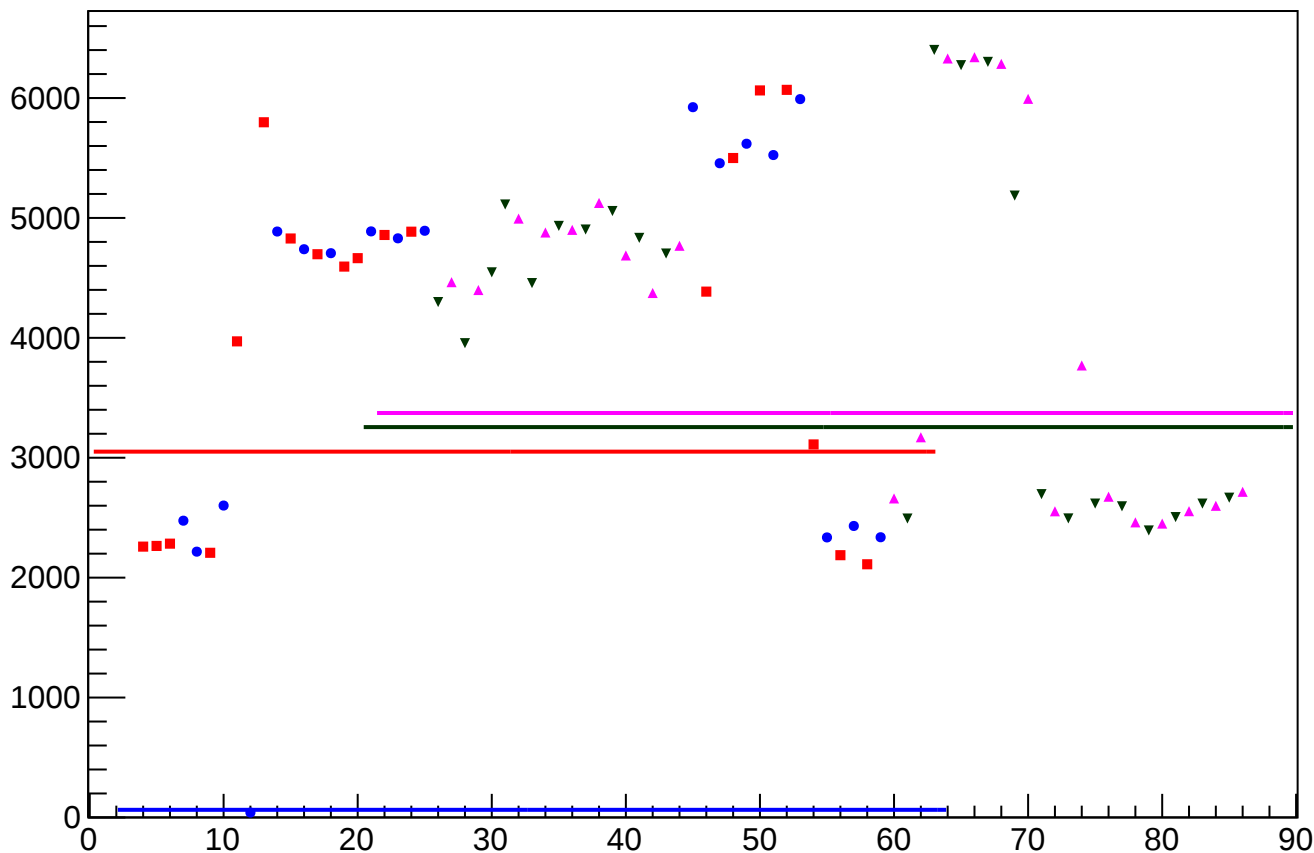
Right Out: -2.049 ± 1.055 χ^2/NDF : 27.2/18

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

-0.195 ± 0.089 χ^2/NDF : 79.2/40

-1.196 ± 0.727 χ^2/NDF : 63.9/41

diff_bpm4ecY_rms vs slug



Right In: 63.702+/-0.064 χ^2 /NDF: 20268366.8/17

Left Out: 3255.599+/-0.708 χ^2 /NDF: 2497316.3/22

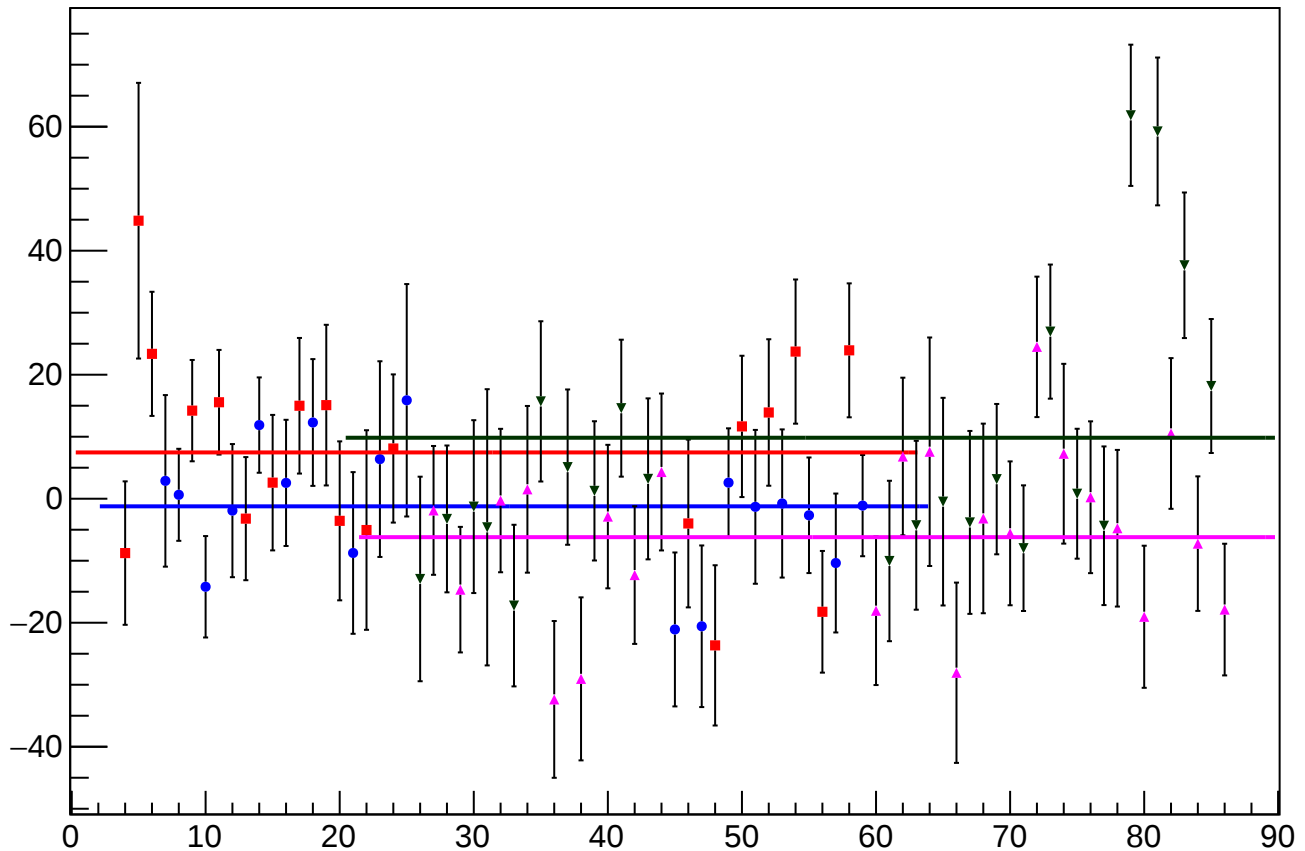
Right Out: 3050.872+/-0.746 χ^2 /NDF: 2882138.2/18

Left In: 3373.209+/-0.709 χ^2 /NDF: 2587242.8/22

89.164+/-0.063 χ^2 /NDF: 42905647.0/40

3220.262+/-0.514 χ^2 /NDF: 5567416.1/41

diff_bpm1X_mean vs slug



Right In: -1.229 ± 2.430 $\chi^2/\text{NDF}: 14.5/17$

Left Out: 9.834 ± 2.593 $\chi^2/\text{NDF}: 66.7/22$

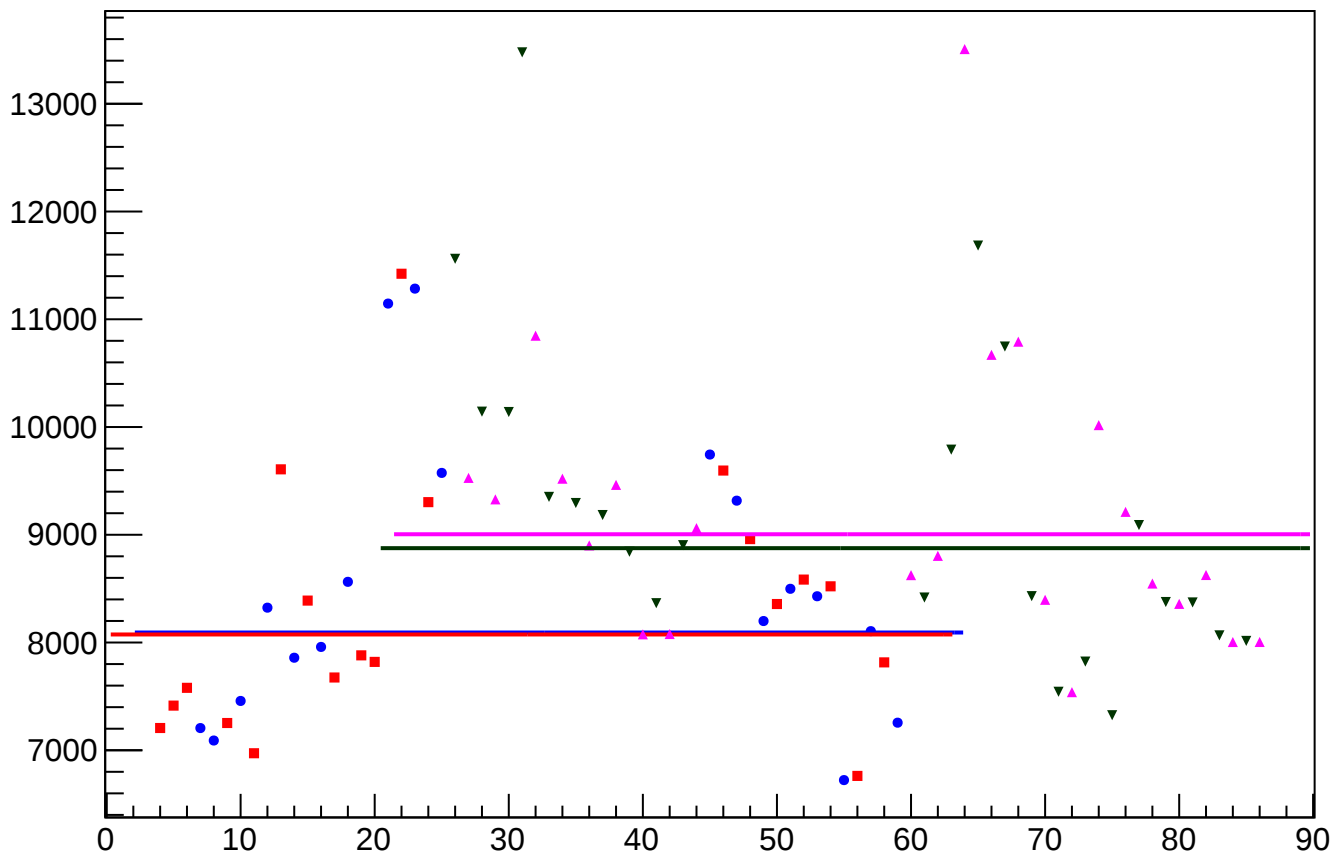
Right Out: 7.465 ± 2.574 $\chi^2/\text{NDF}: 30.5/18$

Left In: -6.200 ± 2.535 $\chi^2/\text{NDF}: 27.6/22$

3.945 ± 1.773 $\chi^2/\text{NDF}: 90.8/40$

0.527 ± 1.806 $\chi^2/\text{NDF}: 72.4/41$

diff_bpm1X_rms vs slug



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

Left Out: 8875.707 ± 1.834 $\chi^2/\text{NDF}: 418200.8/22$

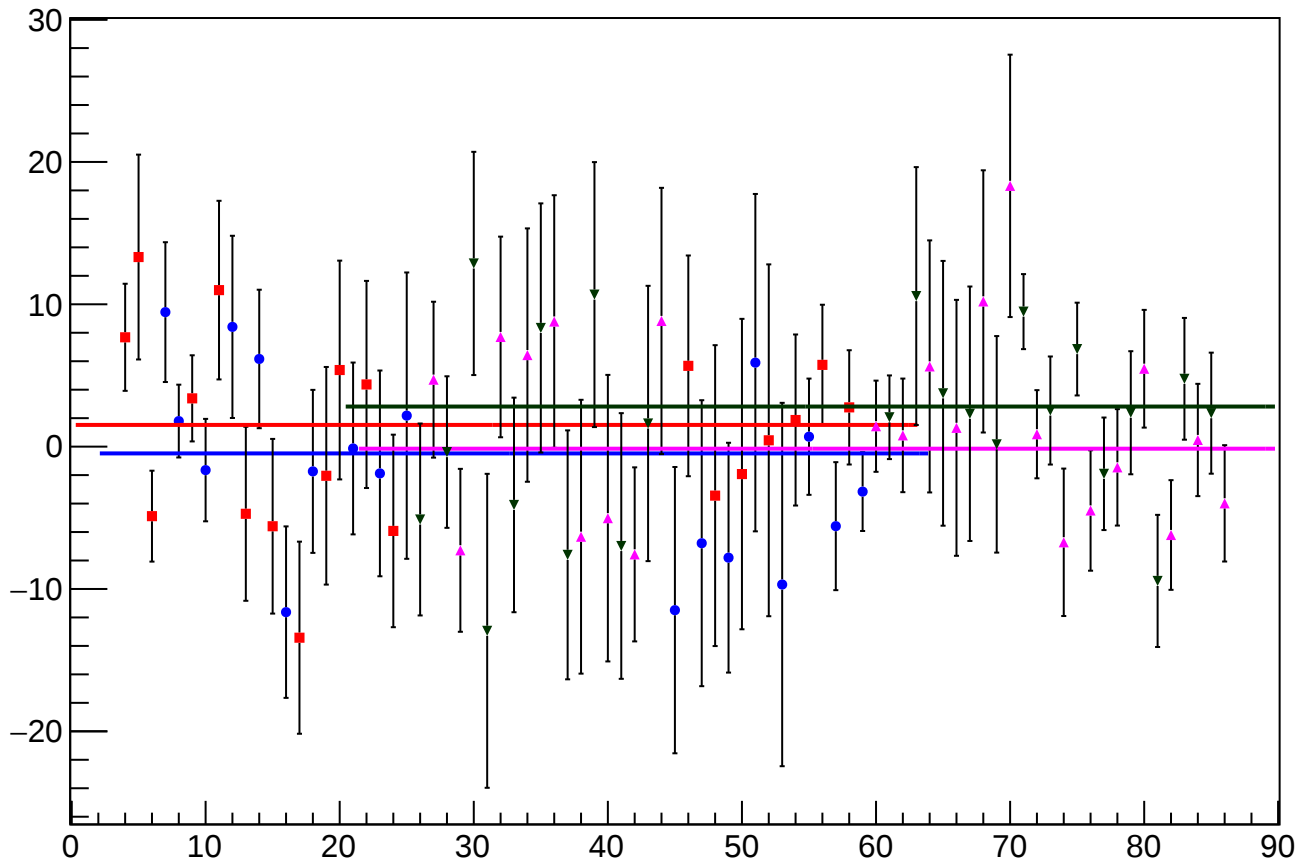
Right Out: 8074.654 ± 1.820 $\chi^2/\text{NDF}: 312658.9/18$

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

8458.934 ± 1.254 $\chi^2/\text{NDF}: 904587.8/40$

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: 2.816 ± 1.048 $\chi^2/\text{NDF}: 27.4/22$

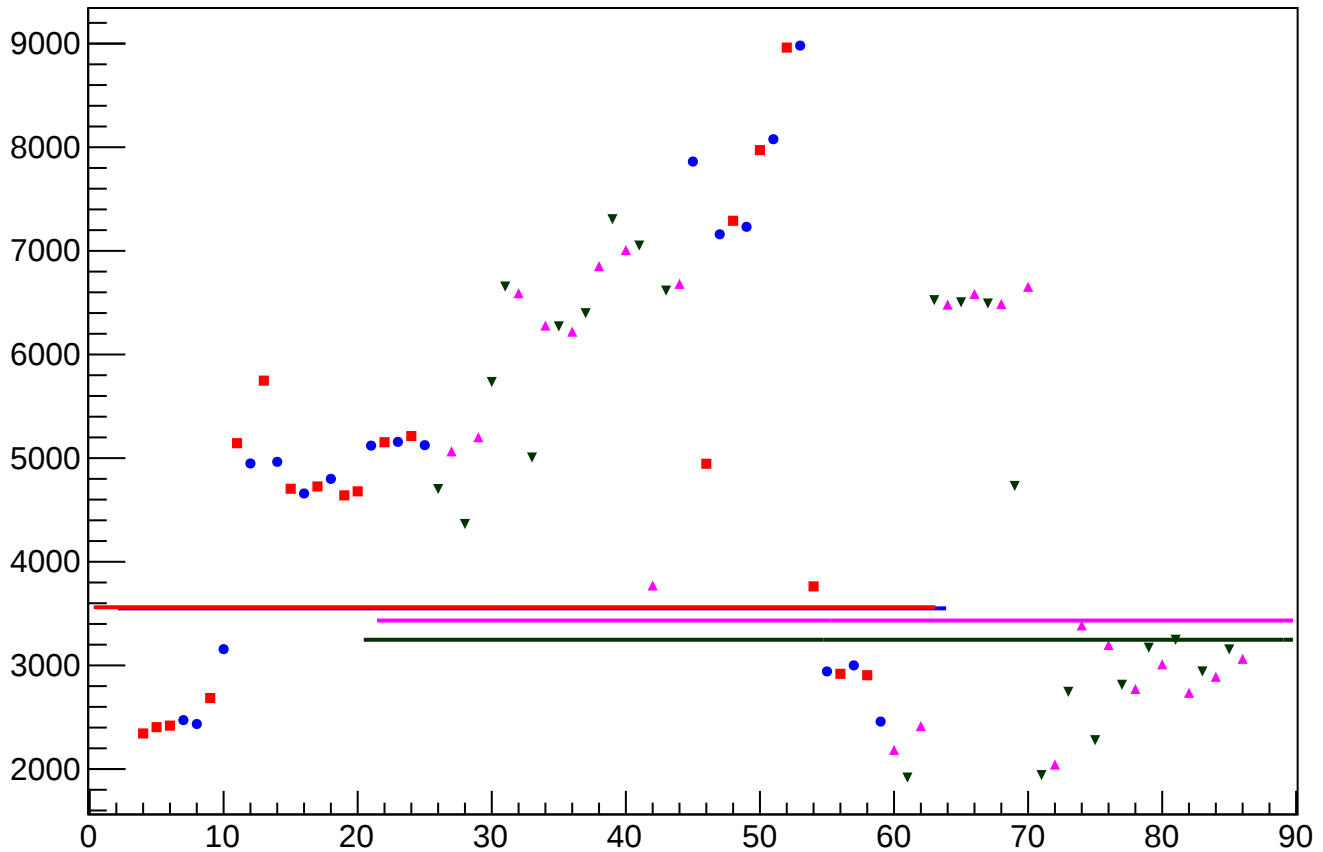
Right Out: 1.525 ± 1.232 $\chi^2/\text{NDF}: 22.9/18$

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

1.338 ± 0.778 $\chi^2/\text{NDF}: 49.8/40$

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

diff_bpm1Y_rms vs slug



Right In: 3550.424 $\pm$ 0.821 χ^2 /NDF: 3293988.0/17

Left Out: 3247.564 $\pm$ 0.741 χ^2 /NDF: 4130539.1/22

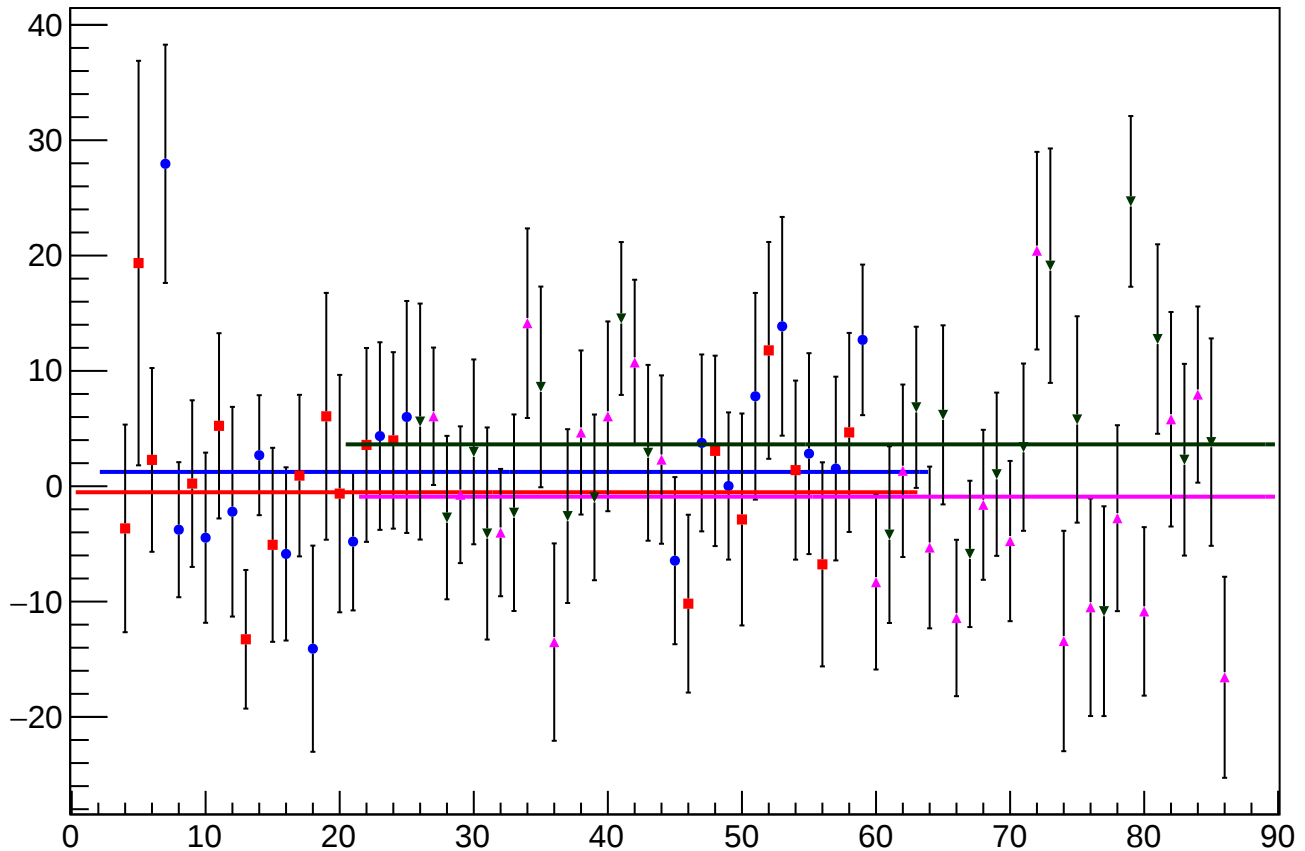
Right Out: 3561.233 $\pm$ 0.871 χ^2 /NDF: 2618224.4/18

Left In: 3433.200 $\pm$ 0.752 χ^2 /NDF: 3907761.8/22

3383.559 $\pm$ 0.550 χ^2 /NDF: 7499483.1/40

3487.873 $\pm$ 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: 3.631 ± 1.637 χ^2/NDF : 24.2/22

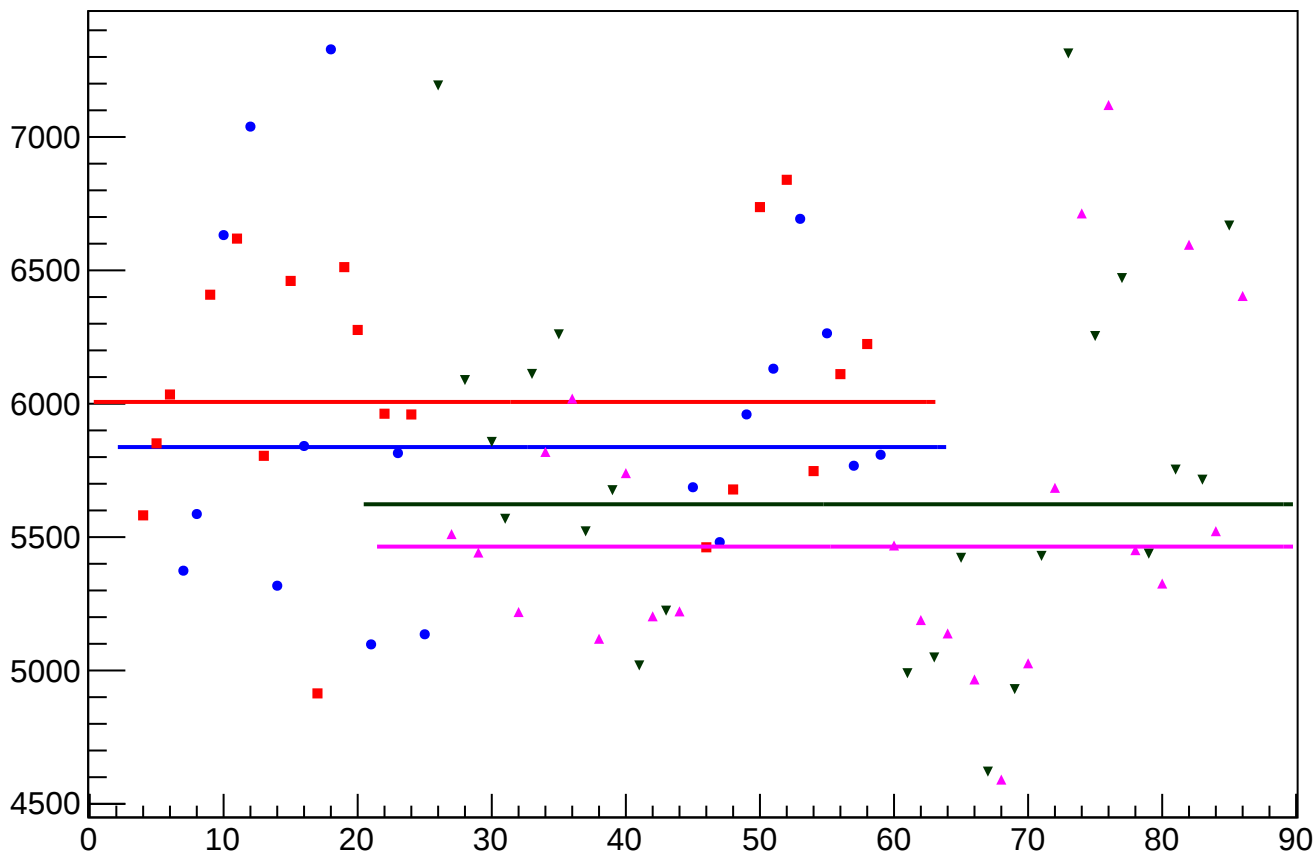
Right Out: -0.521 ± 1.907 χ^2/NDF : 12.3/18

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

2.517 ± 1.196 χ^2/NDF : 45.4/40

-0.755 ± 1.196 χ^2/NDF : 43.8/41

diff_bpm11X_rms vs slug



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

Left Out: 5623.117 $\pm$ 1.158 χ^2 /NDF:308081.4/22

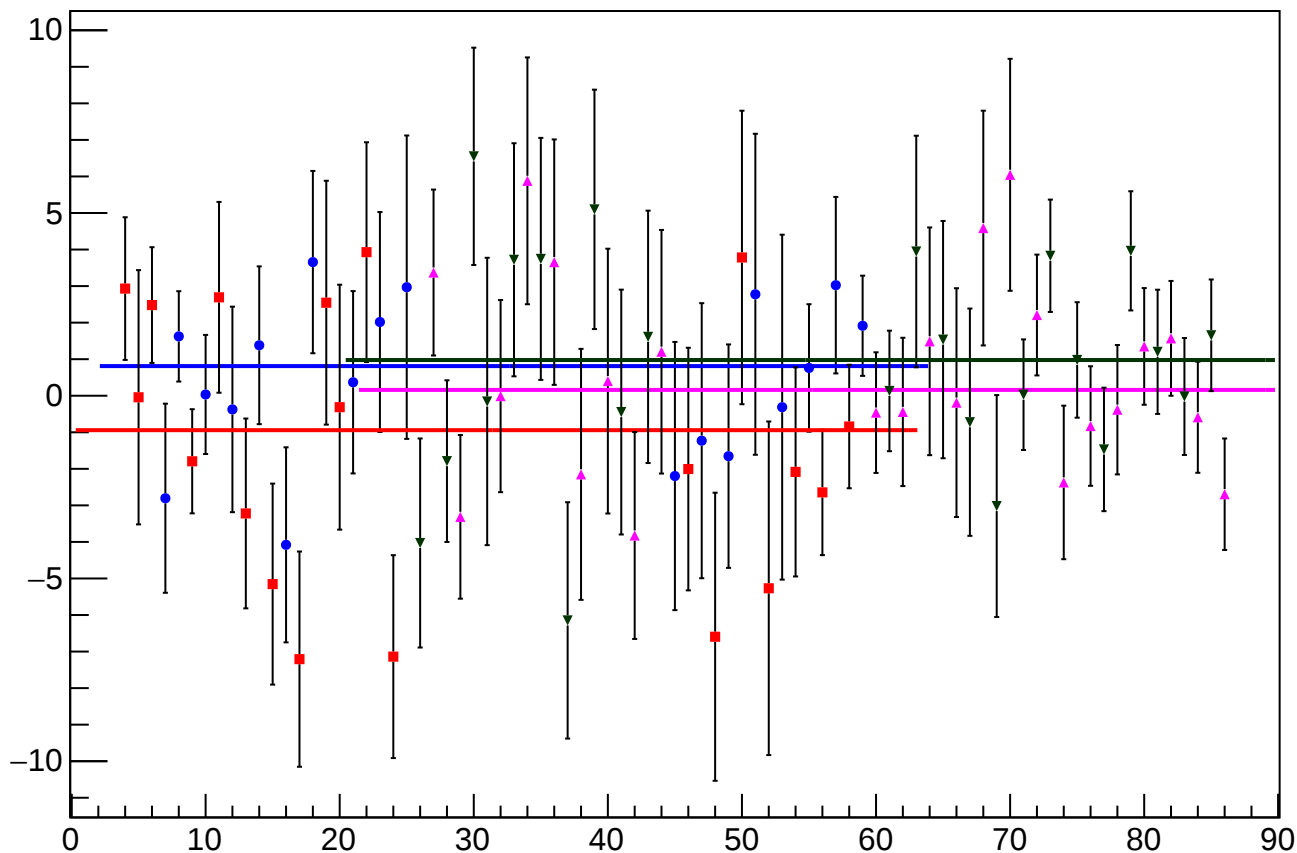
Right Out: 6006.736 $\pm$ 1.348 χ^2 /NDF: 130455.1/18

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

5723.138 $\pm$ 0.846 χ^2 /NDF: 535395.0/40

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: 0.977 ± 0.448 χ^2/NDF : 29.4/22

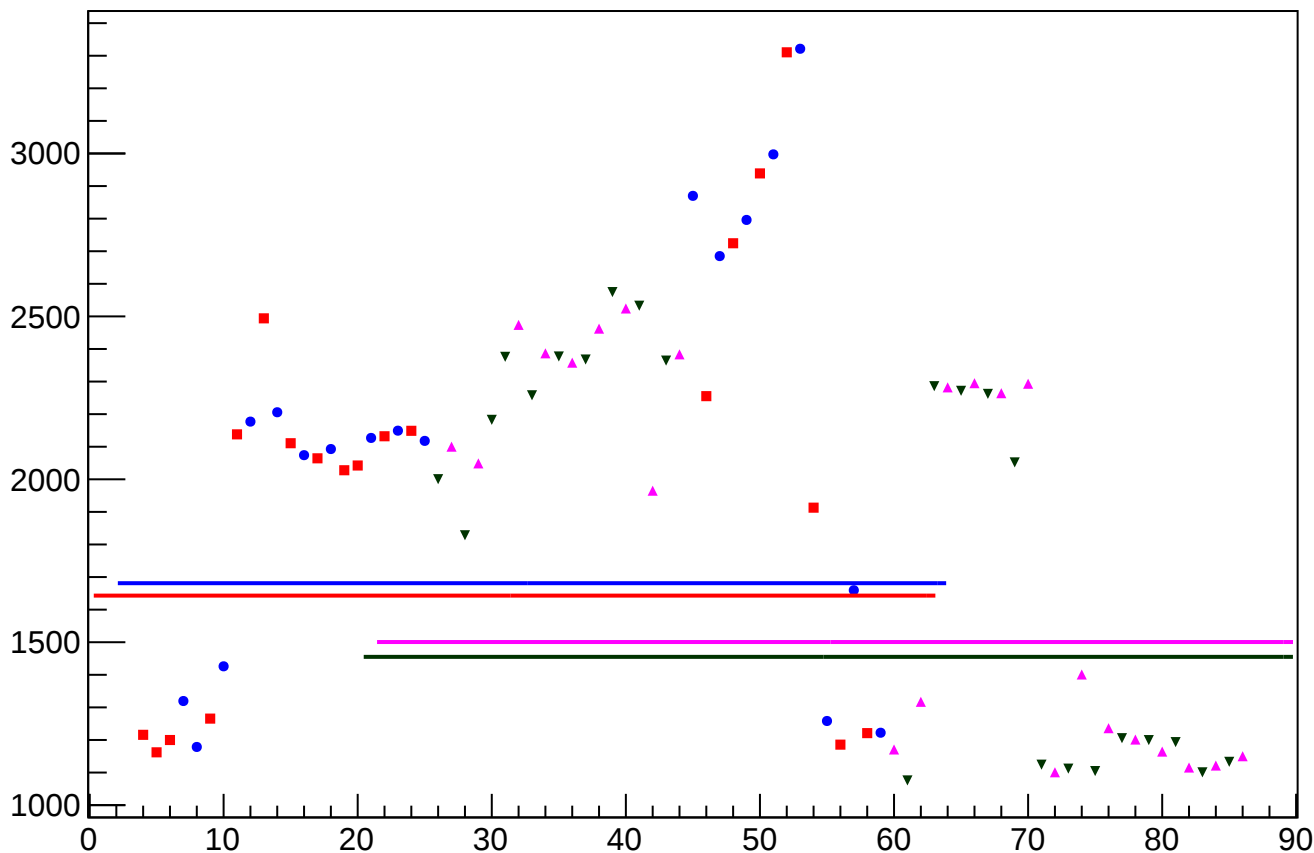
Right Out: -0.942 ± 0.553 χ^2/NDF : 32.9/18

Left In: -0.274 ± 0.347 χ^2/NDF : 60.6/41

0.908 ± 0.343 χ^2/NDF : 40.8/40

-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: 1455.094 $\pm$ 0.317 χ^2 /NDF: 2582399.2/22

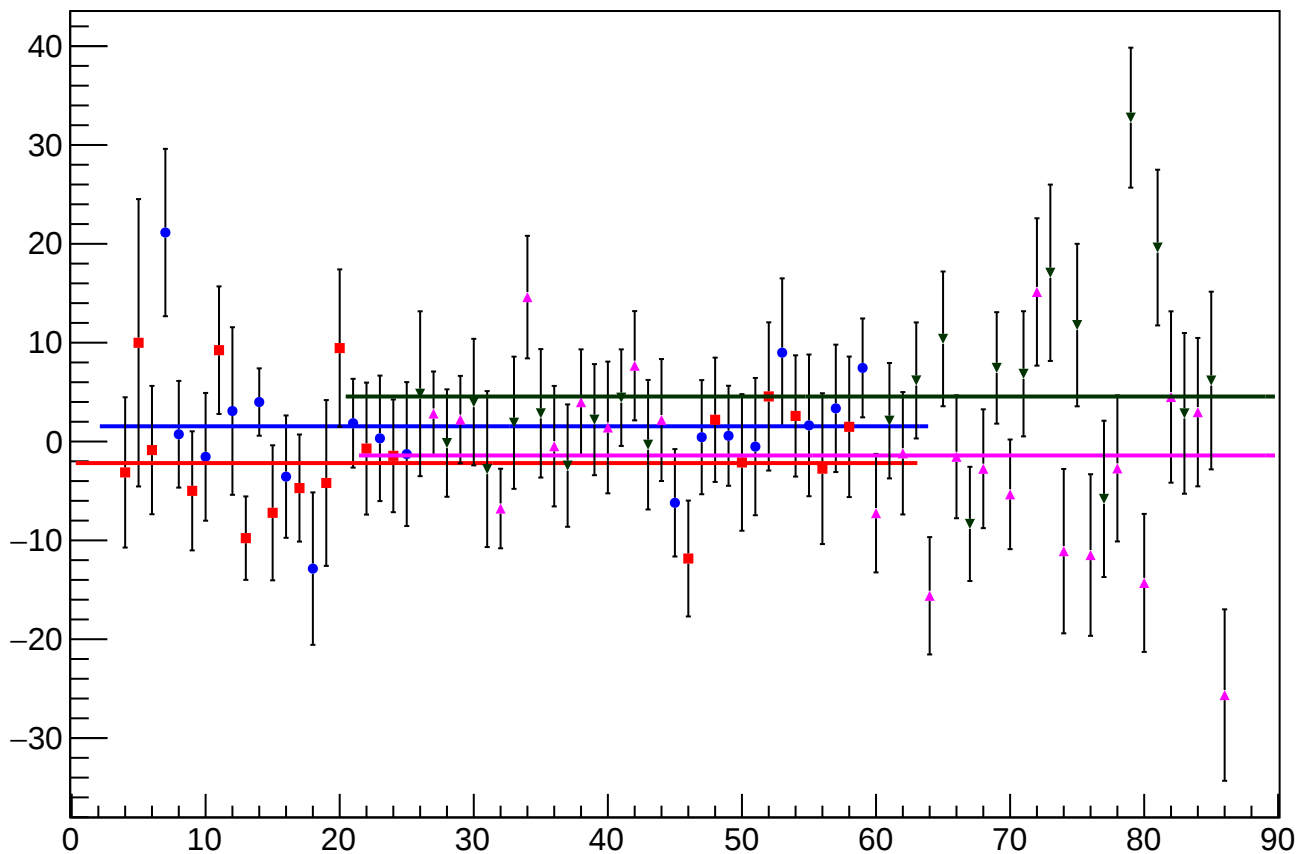
Right Out: 1643.071 $\pm$ 0.391 χ^2 /NDF: 1969332.5/18

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

1548.886 $\pm$ 0.242 χ^2 /NDF: 5006610.8/40

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

diff_bpm12X_mean vs slug



Right In: 1.541 ± 1.369 $\chi^2/\text{NDF}: 15.2/17$

Left Out: 4.554 ± 1.372 $\chi^2/\text{NDF}: 34.3/22$

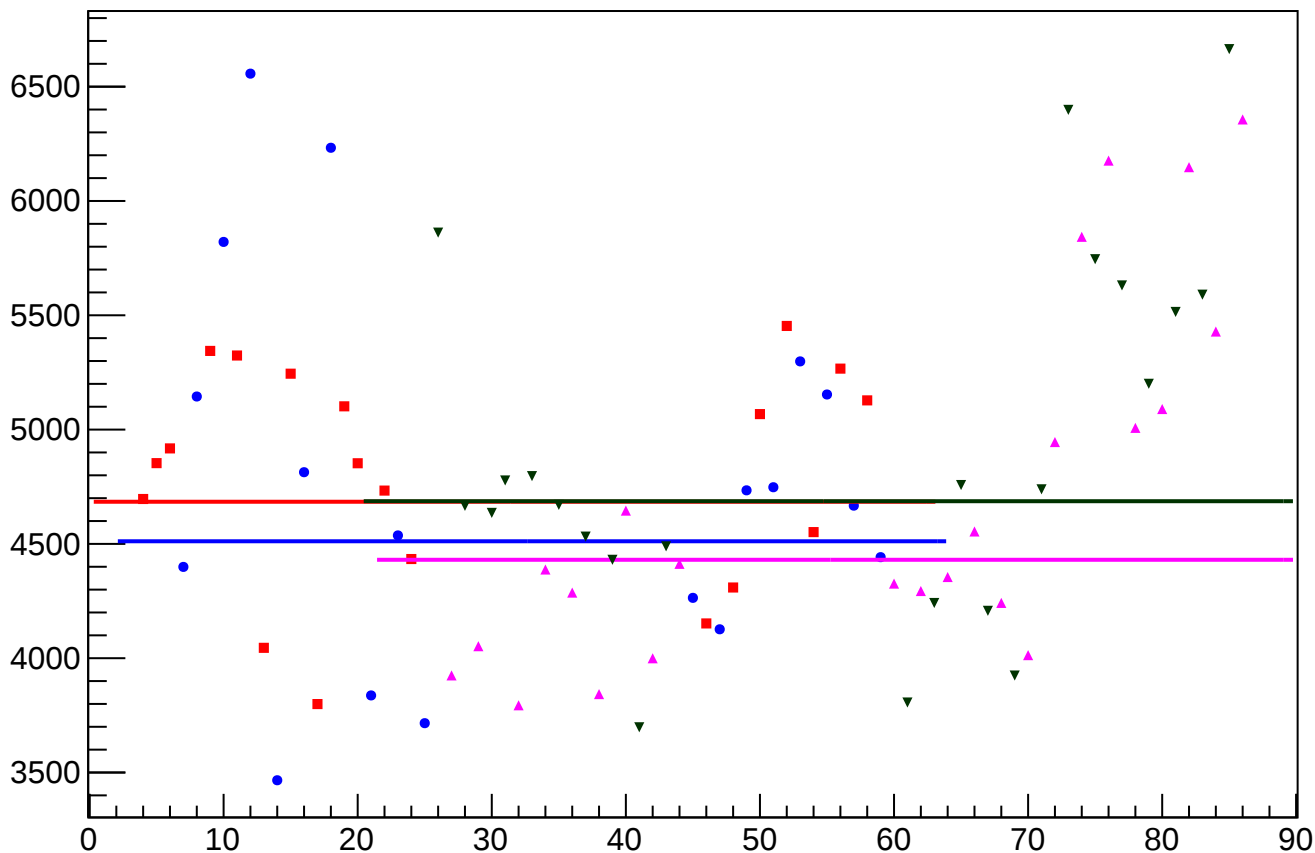
Right Out: -2.180 ± 1.492 $\chi^2/\text{NDF}: 15.2/18$

Left In: -1.410 ± 1.253 $\chi^2/\text{NDF}: 41.5/22$

3.044 ± 0.969 $\chi^2/\text{NDF}: 51.9/40$

-1.728 ± 0.960 $\chi^2/\text{NDF}: 56.9/41$

diff_bpm12X_rms vs slug



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

Left Out: 4686.736+/-0.970 χ^2/NDF : 527074.6/22

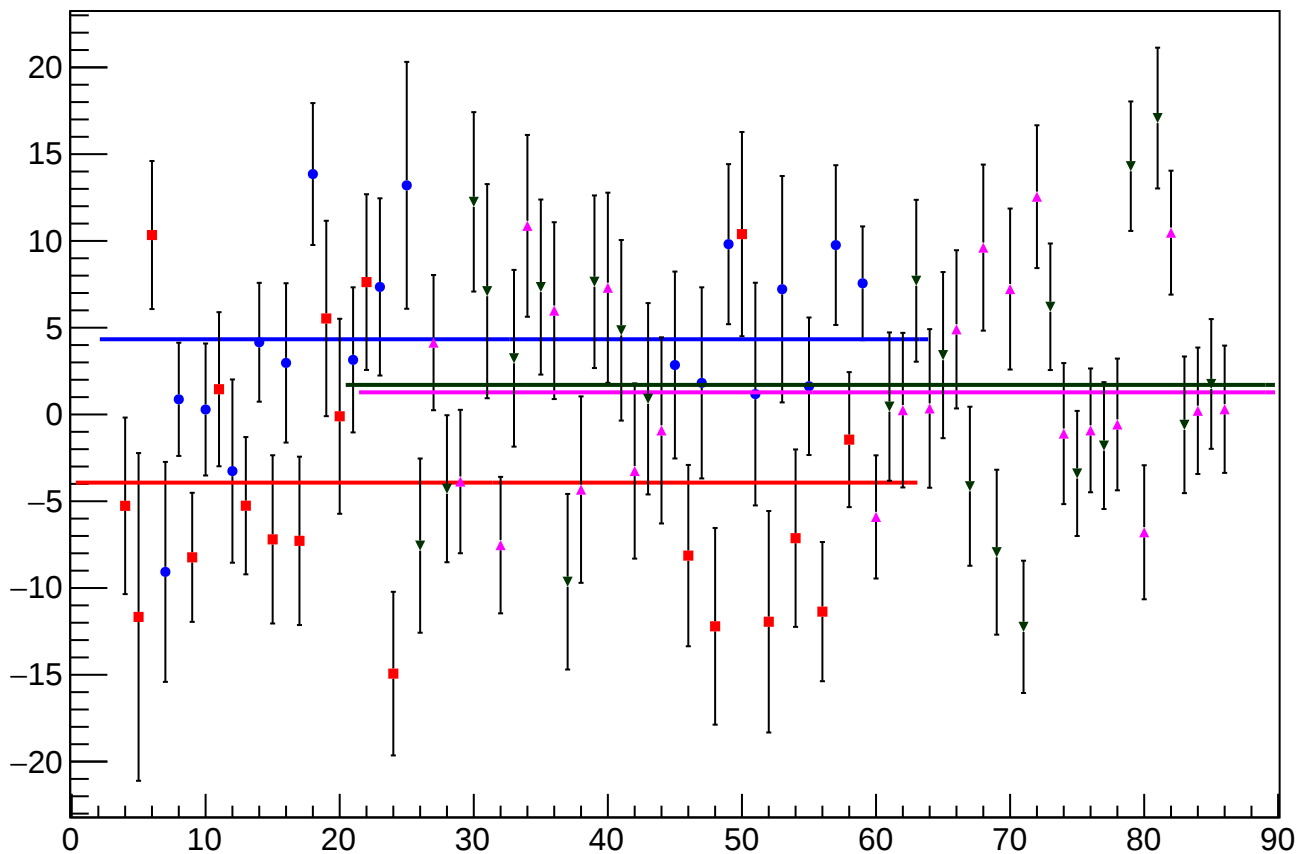
Right Out: 4684.391+/-1.055 χ^2/NDF : 240230.9/18

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

4598.915+/-0.685 χ^2/NDF : 1190417.7/40

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: 1.704 ± 0.918 χ^2/NDF : 70.1/22

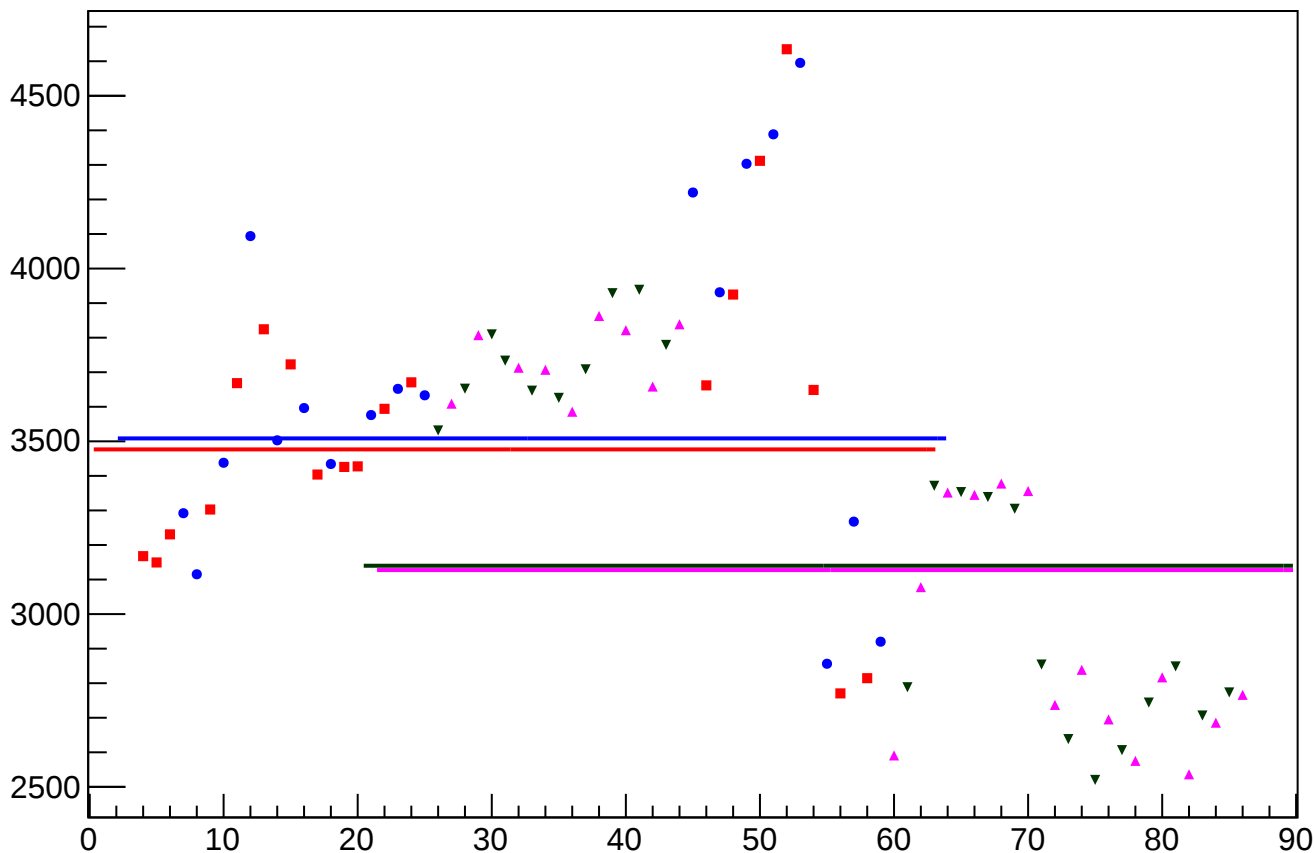
Right Out: -3.927 ± 1.110 χ^2/NDF : 44.2/18

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

2.837 ± 0.692 χ^2/NDF : 94.9/40

-0.739 ± 0.691 χ^2/NDF : 101.4/41

diff_bpm12Y_rms vs slug



Right In: 3508.449 ± 0.746 χ^2/NDF : 384135.9/17

Left Out: 3139.968 ± 0.649 χ^2/NDF : 537309.2/22

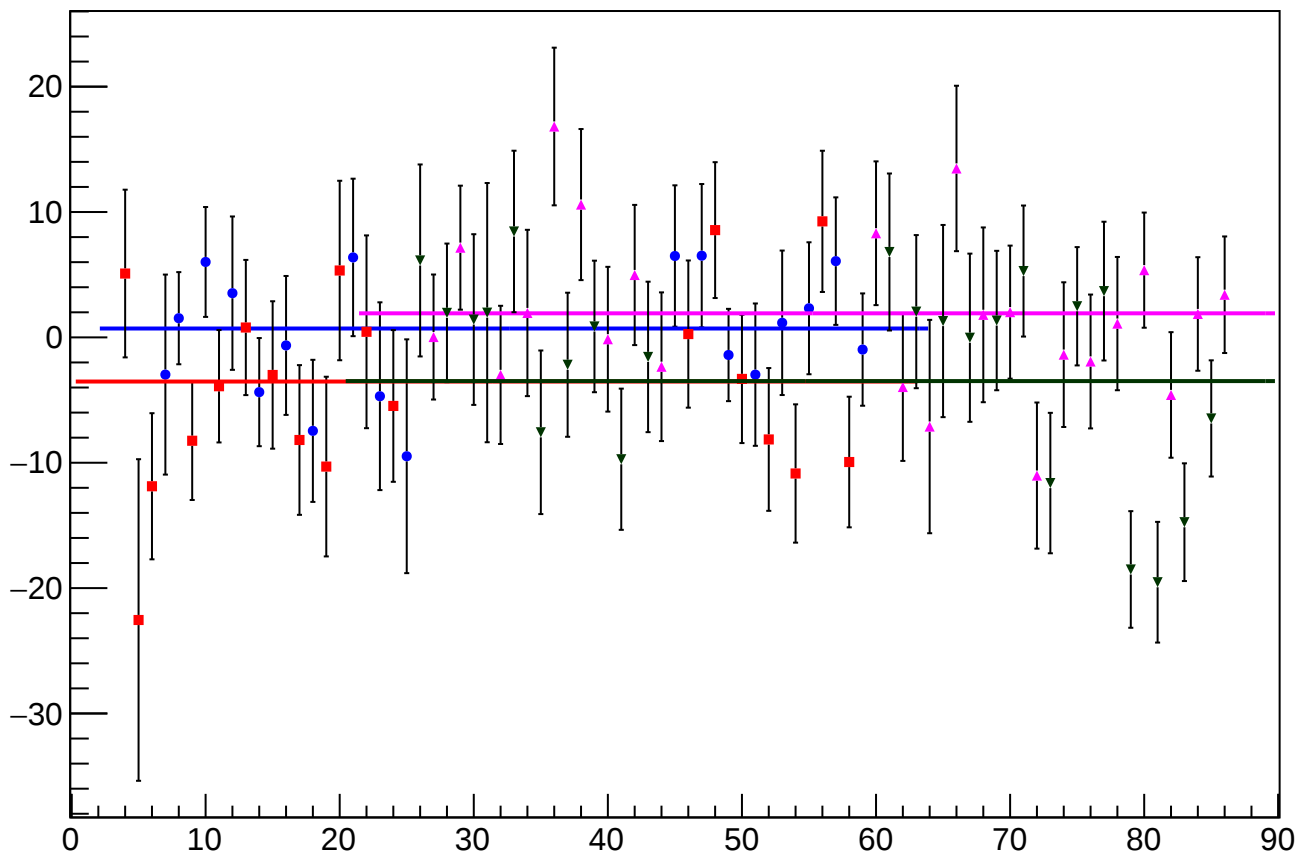
Right Out: 3476.662 ± 0.785 χ^2/NDF : 293750.8/18

Left In: 3127.436 ± 0.624 χ^2/NDF : 578614.8/22

3298.657 ± 0.490 χ^2/NDF : 1060291.0/40

3262.657 ± 0.488 χ^2/NDF : 993710.5/41

diff_bpm16X_mean vs slug



Right In: 0.708+/-1.229 χ^2/NDF : 12.2/17

Left Out: -3.487+/-1.191 χ^2/NDF : 50.1/22

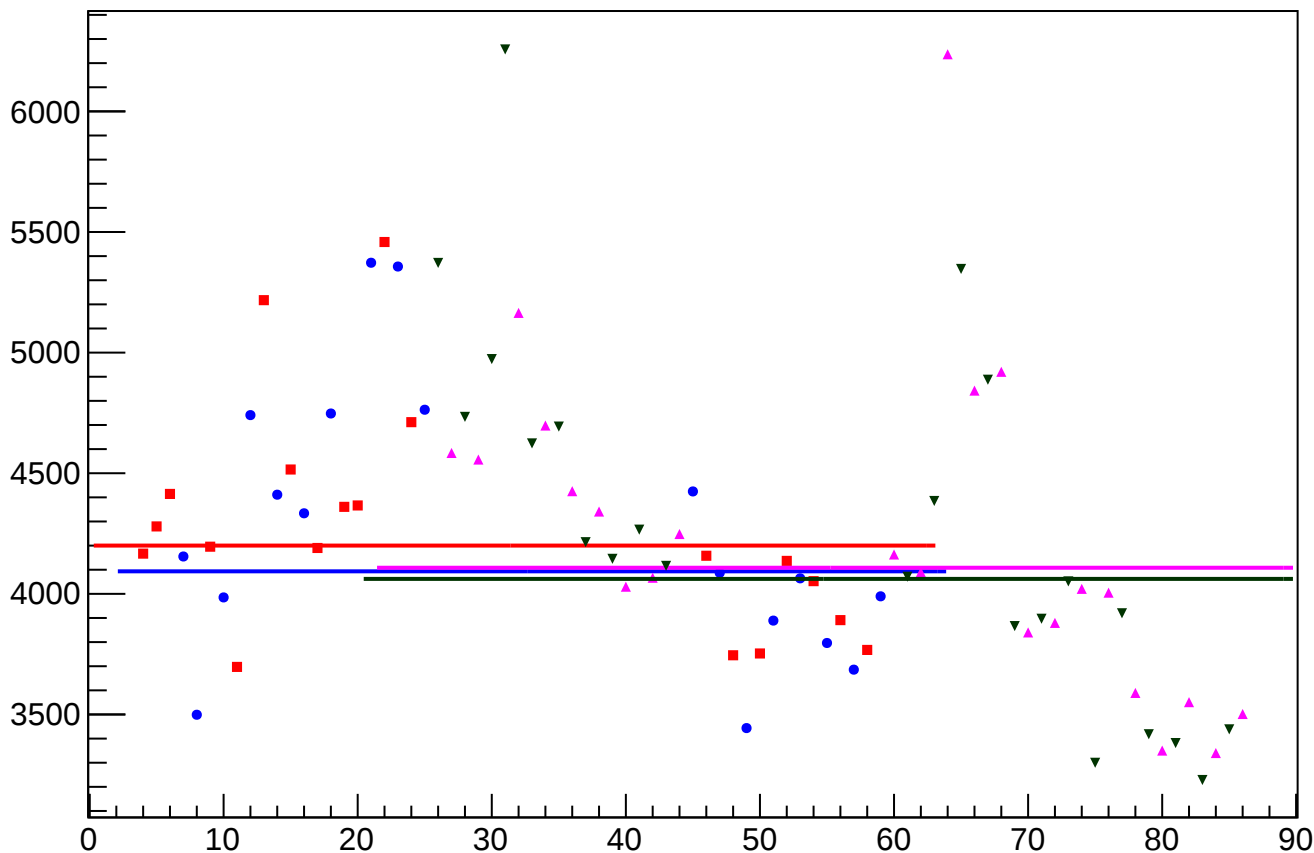
Right Out: -3.522+/-1.336 χ^2/NDF : 25.4/18

Left In: 1.919+/-1.159 χ^2/NDF : 25.3/22

-1.456+/-0.855 χ^2/NDF : 68.3/40

-0.418+/-0.876 χ^2/NDF : 60.2/41

diff_bpm16X_rms vs slug



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

Left Out: 4061.997 $\pm$ 0.842 χ^2 /NDF: 580261.5/22

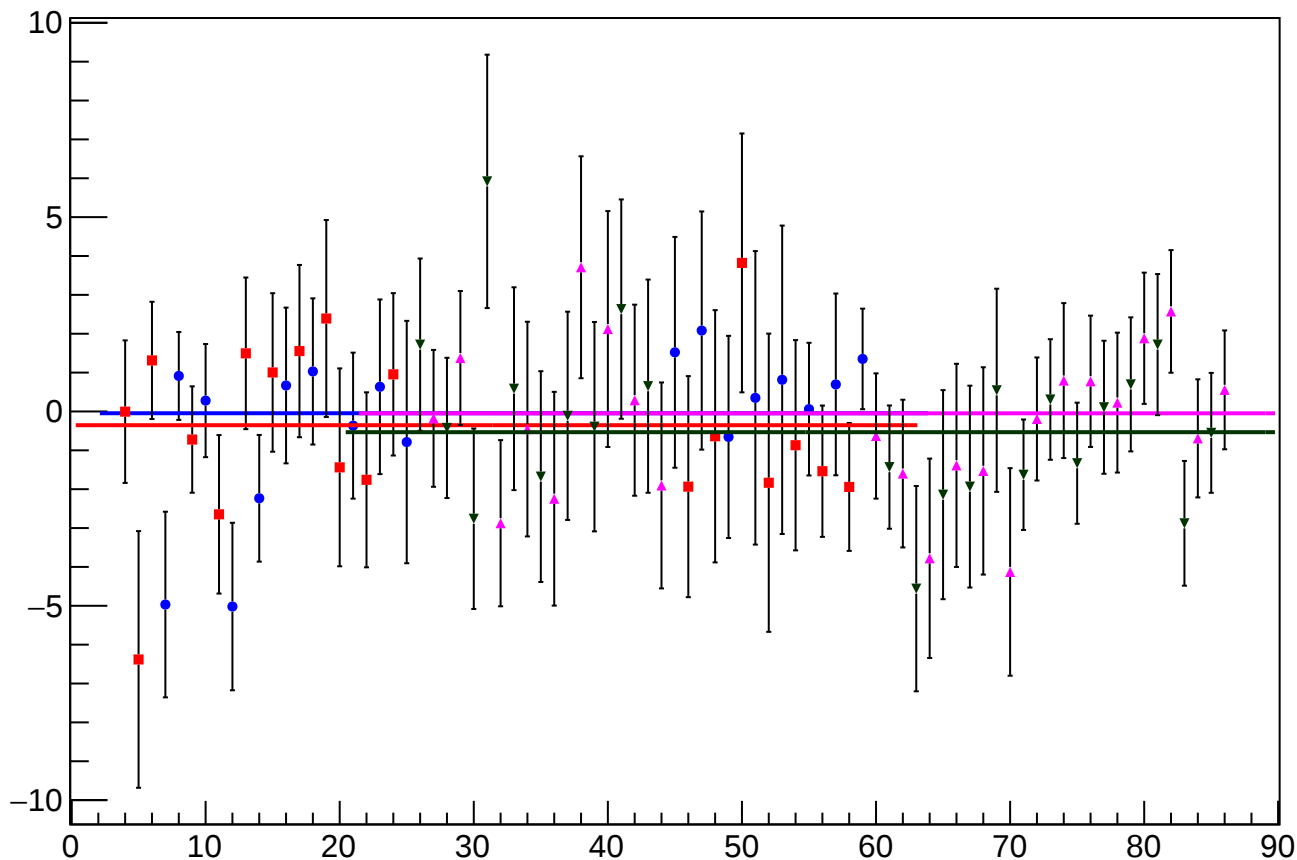
Right Out: 4200.125 $\pm$ 0.945 χ^2 /NDF: 225858.3/18

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

4077.194 $\pm$ 0.605 χ^2 /NDF: 940633.1/40

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

diff_bpm16Y_mean vs slug



Right In: -0.046 ± 0.458 χ^2/NDF : 14.9/17

Left Out: -0.533 ± 0.419 χ^2/NDF : 16.7/22

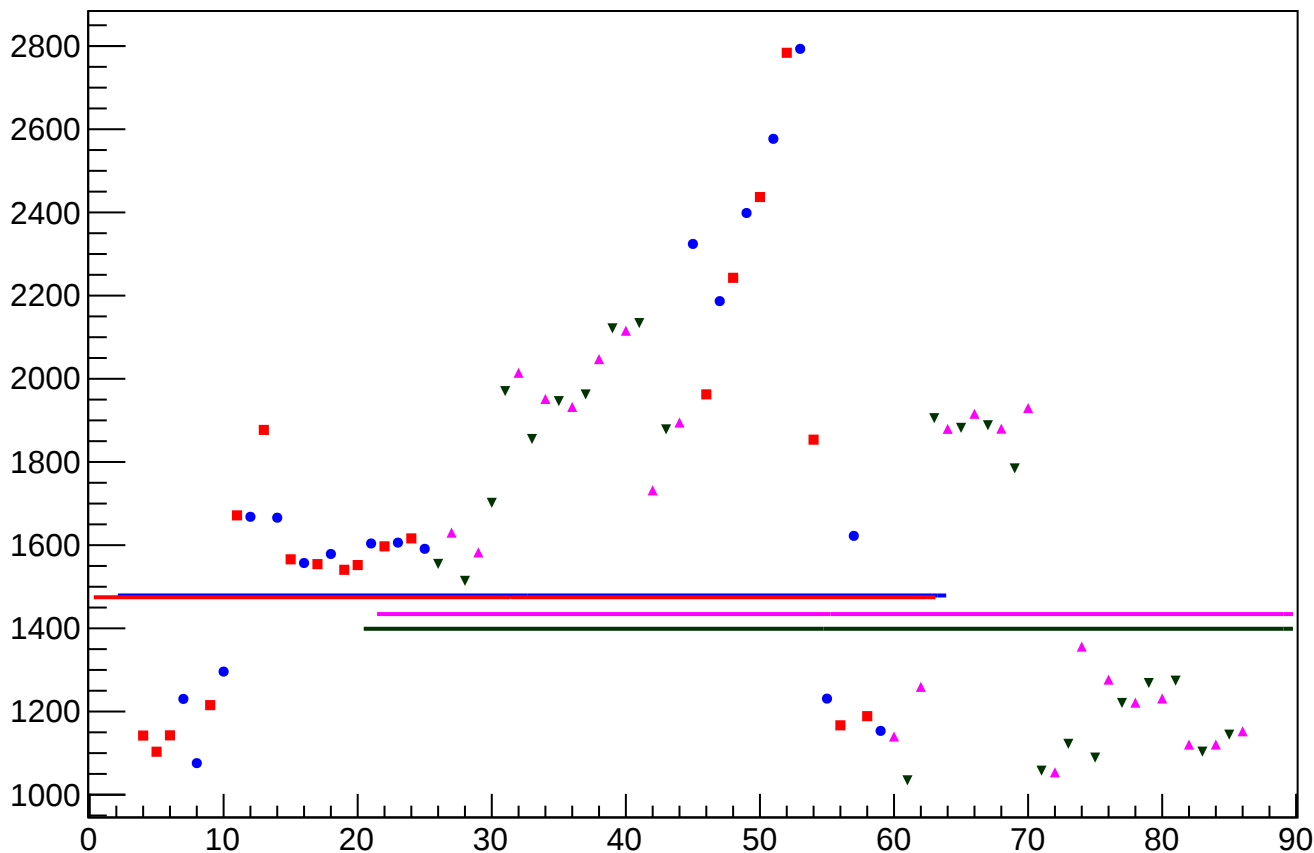
Right Out: -0.354 ± 0.483 χ^2/NDF : 13.6/18

Left In: -0.048 ± 0.414 χ^2/NDF : 16.5/22

-0.311 ± 0.309 χ^2/NDF : 32.2/40

-0.177 ± 0.314 χ^2/NDF : 30.4/41

diff_bpm16Y_rms vs slug



Right In: 1479.014 $\pm$ 0.324 χ^2 /NDF: 1459343.9/17

Left Out: 1398.979 $\pm$ 0.296 χ^2 /NDF:1466170.2/22

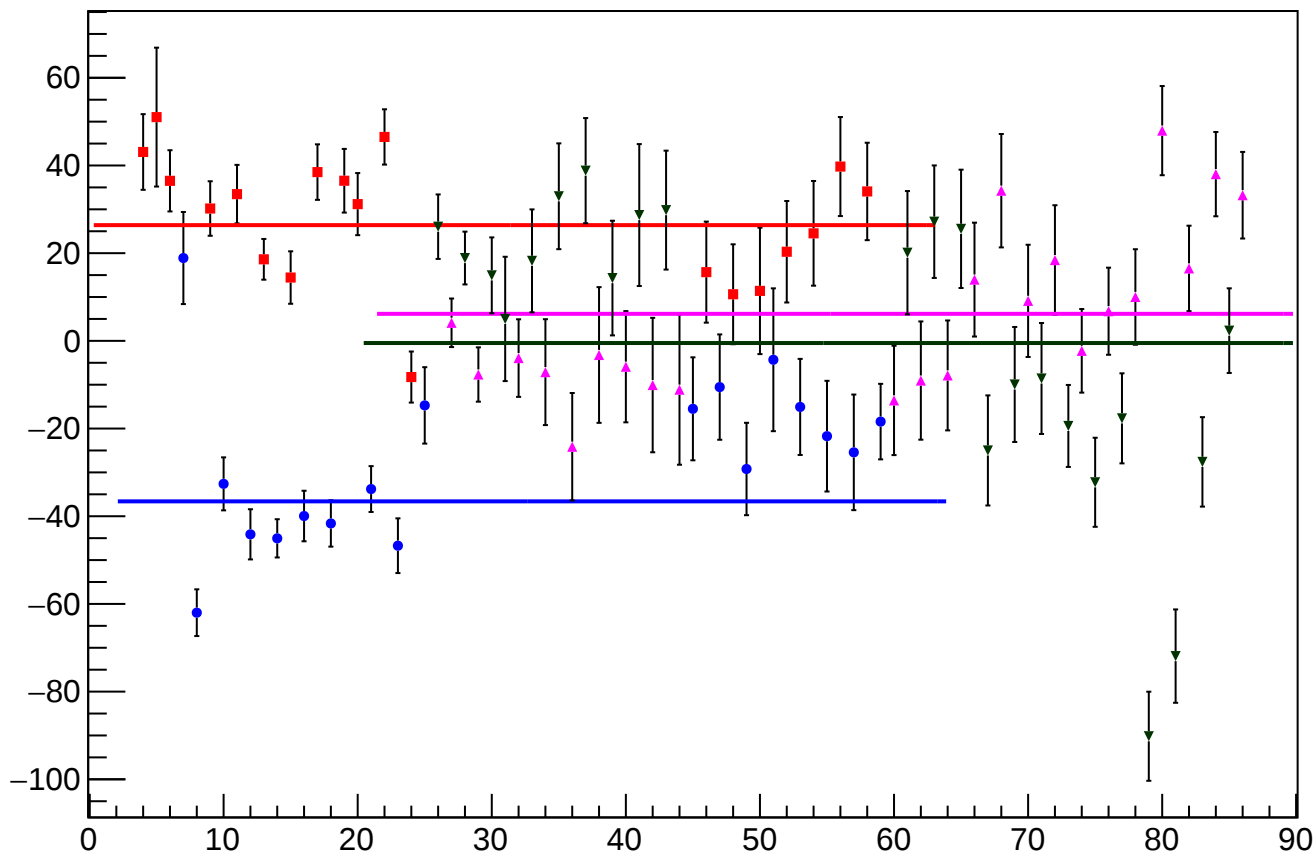
Right Out: 1474.750 $\pm$ 0.342 χ^2 /NDF: 1125200.2/18

Left In: 1434.337 $\pm$ 0.292 χ^2 /NDF:1366983.5/22

1435.423 $\pm$ 0.219 χ^2 /NDF: 2958742.1/40

1451.420 $\pm$ 0.222 χ^2 /NDF: 2500253.8/41

diff_bpm0l01X_mean vs slug



Right In: -36.608 ± 1.674 χ^2/NDF : 89.8/17

Left Out: -0.493 ± 2.208 χ^2/NDF : 219.2/22

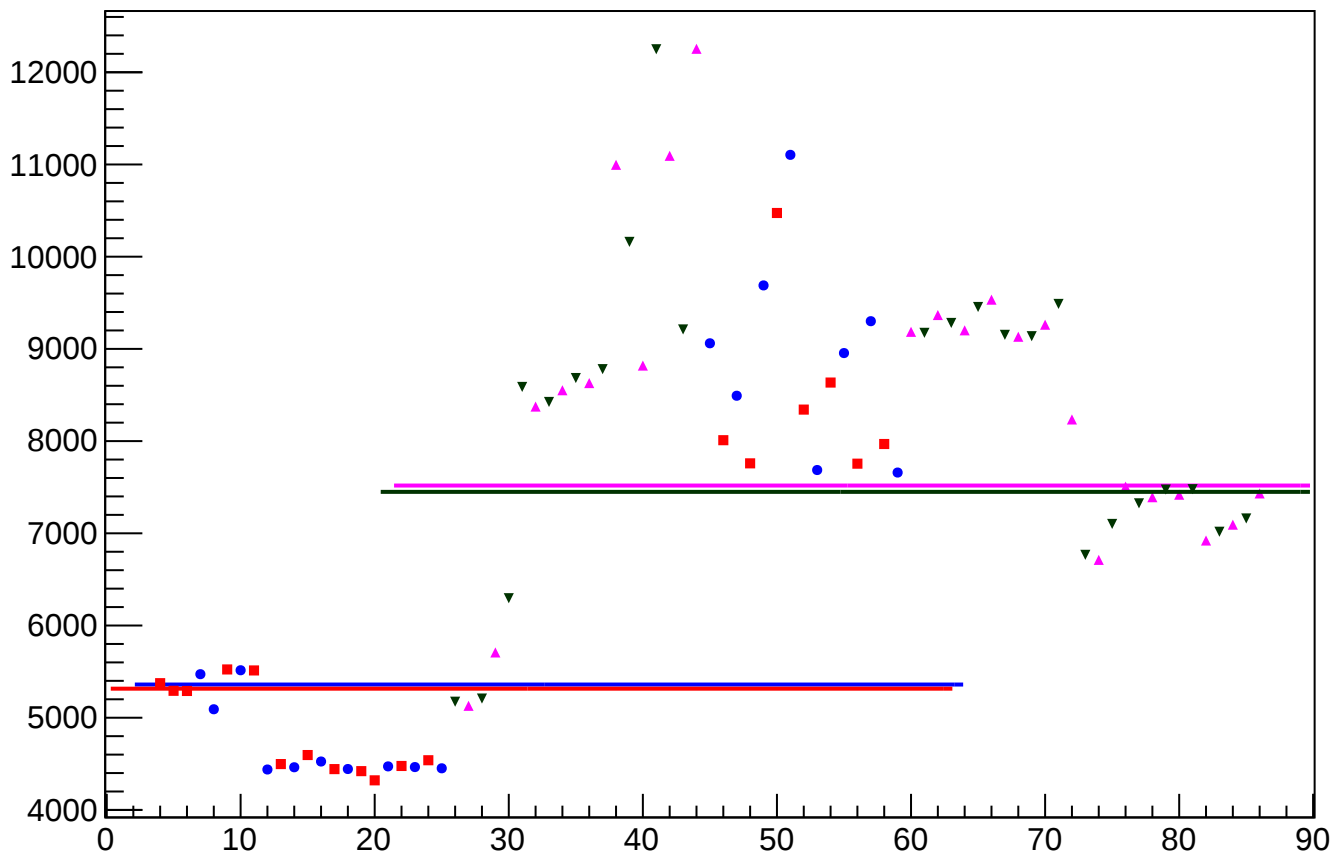
Right Out: 26.394 ± 1.742 χ^2/NDF : 74.2/18

Left In: 6.165 ± 2.149 χ^2/NDF : 65.7/22

-23.427 ± 1.334 χ^2/NDF : 478.8/40

18.372 ± 1.353 χ^2/NDF : 193.4/41

diff_bpm0l01X_rms vs slug



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

Left Out: 7449.463+/-1.561 χ^2/NDF :1127764.5/22

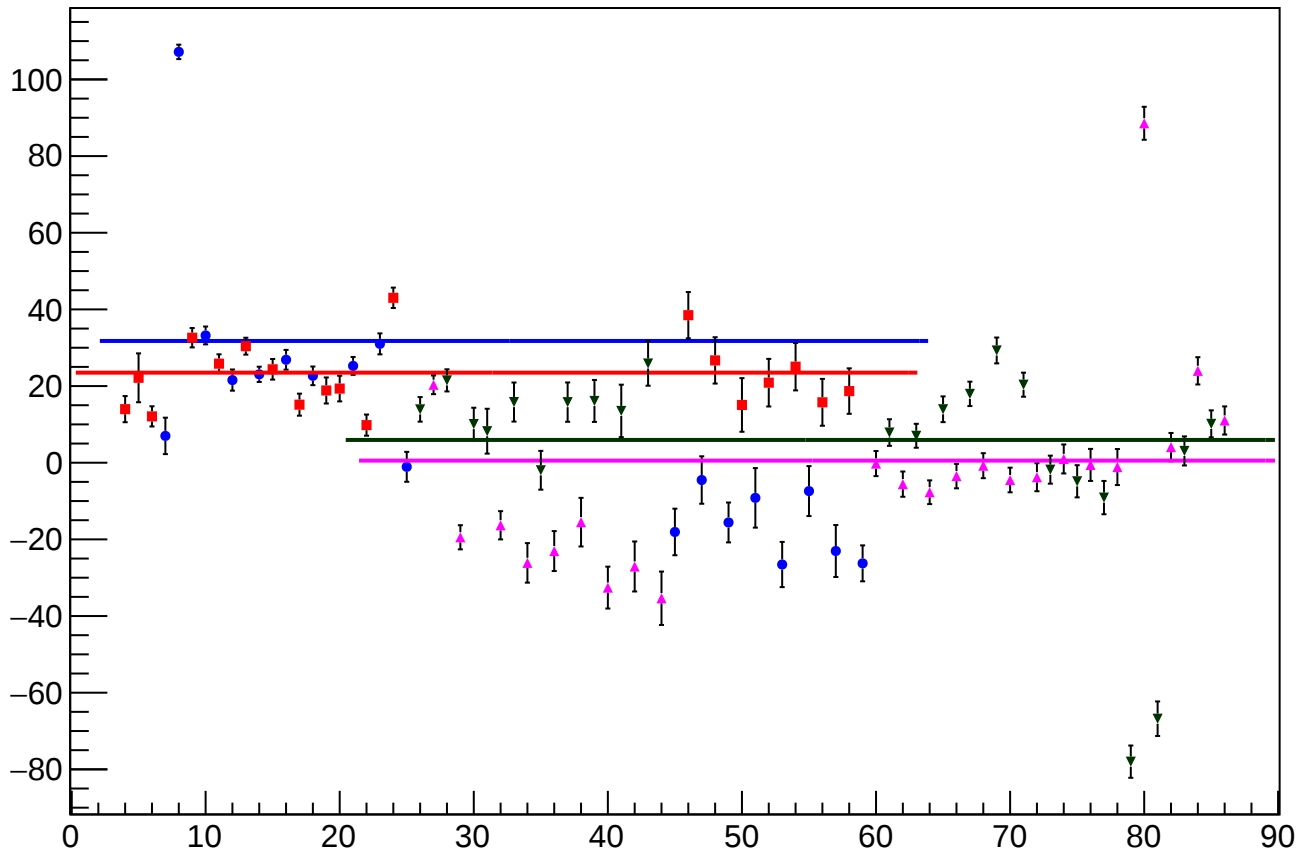
6122.573+/-0.943 χ^2/NDF : 4124972.4/40

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

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

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

diff_bpm0l01Y_mean vs slug



Right In: 31.767 $\pm$ 0.741 χ^2 /NDF: 2323.1/17

Left Out: 5.942 $\pm$ 0.815 χ^2 /NDF: 834.3/22

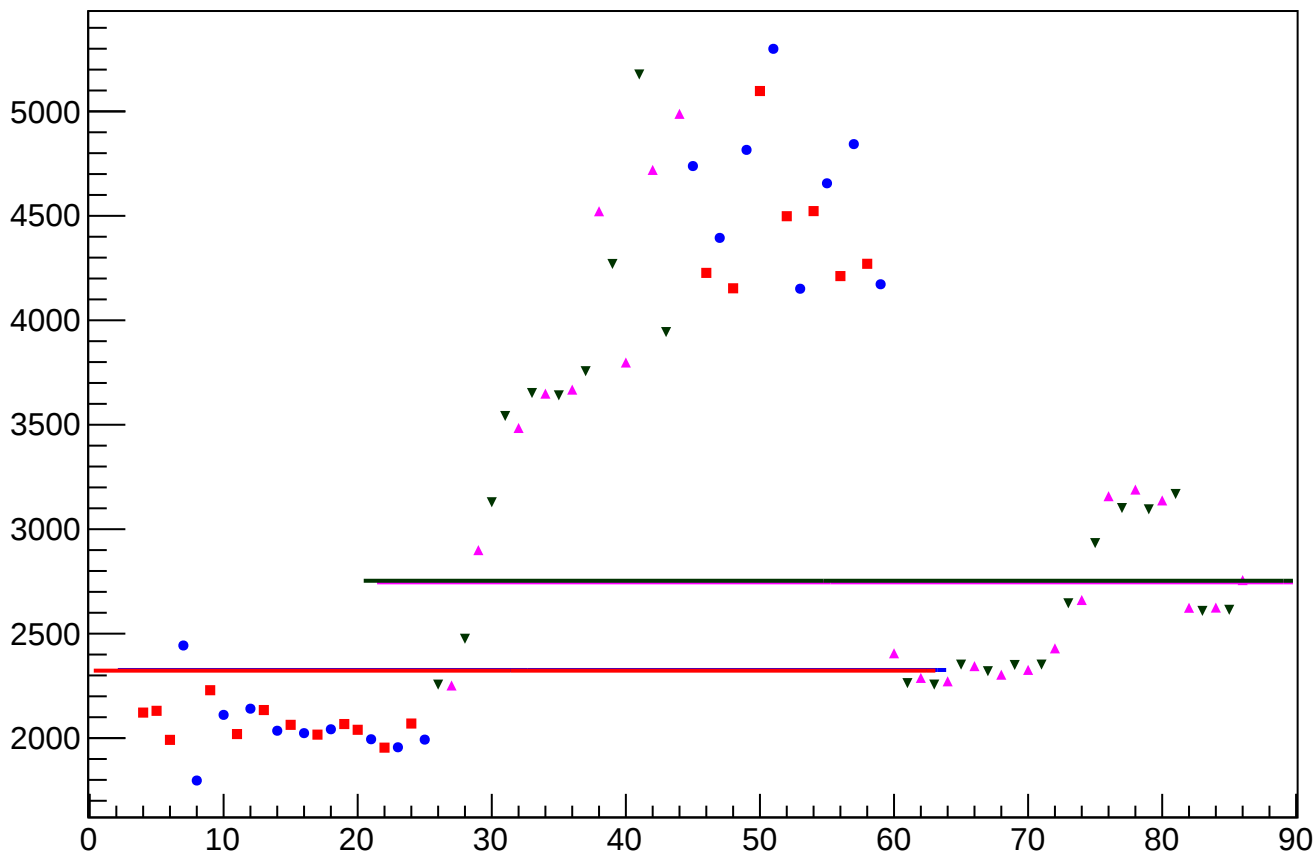
Right Out: 23.500 $\pm$ 0.773 χ^2 /NDF: 151.3/18

Left In: 0.551 $\pm$ 0.784 χ^2 /NDF: 749.6/22

20.090 $\pm$ 0.548 χ^2 /NDF: 3706.8/40

12.195 $\pm$ 0.550 χ^2 /NDF: 1335.5/41

diff_bpm0l01Y_rms vs slug



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

Left Out: 2753.196 $\pm$ 0.577 χ^2 /NDF:1078578.2/22

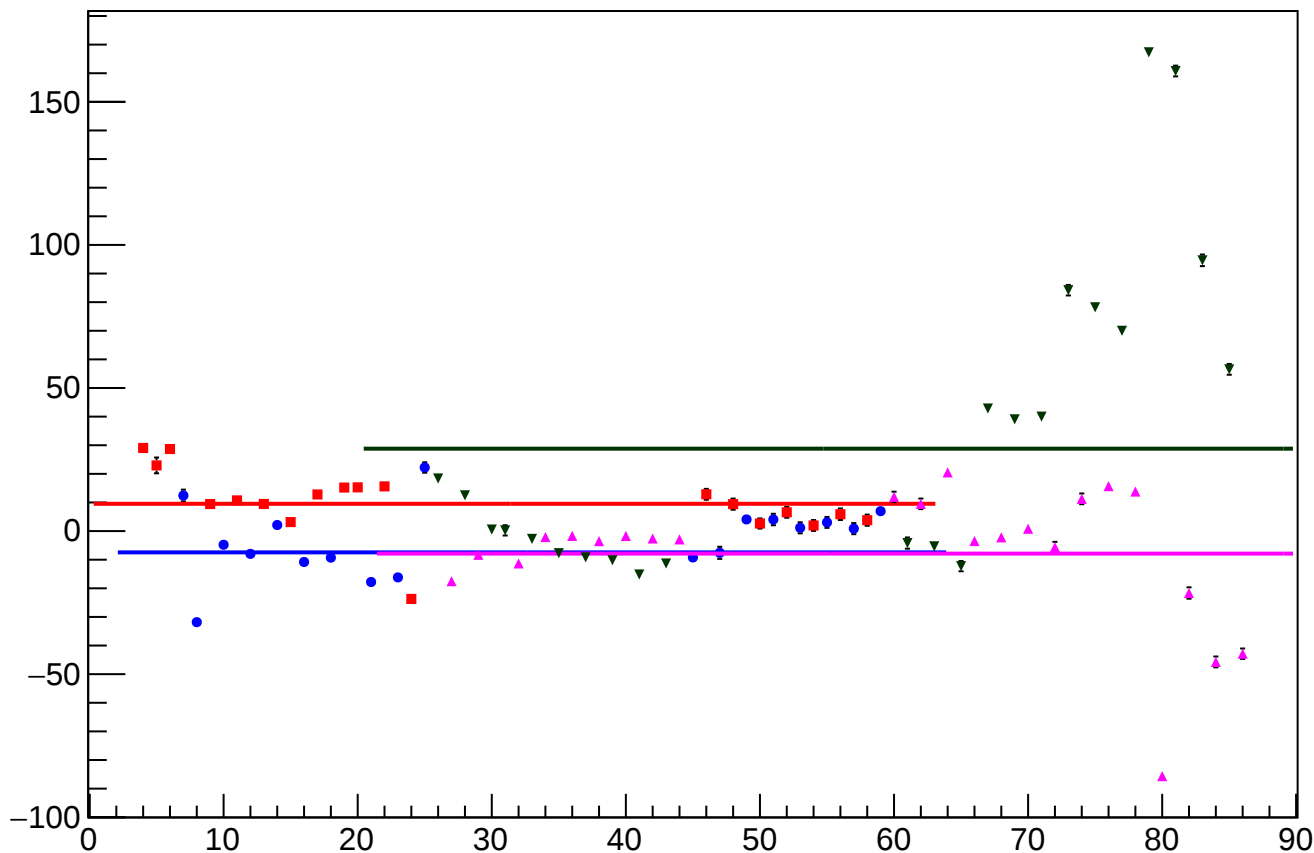
2519.198 $\pm$ 0.388 χ^2 /NDF: 4075705.1/40

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

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

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

diff_bpm2i01X_mean vs slug



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

Left Out: 28.802+/-0.331 χ^2/NDF : 22407.6/22

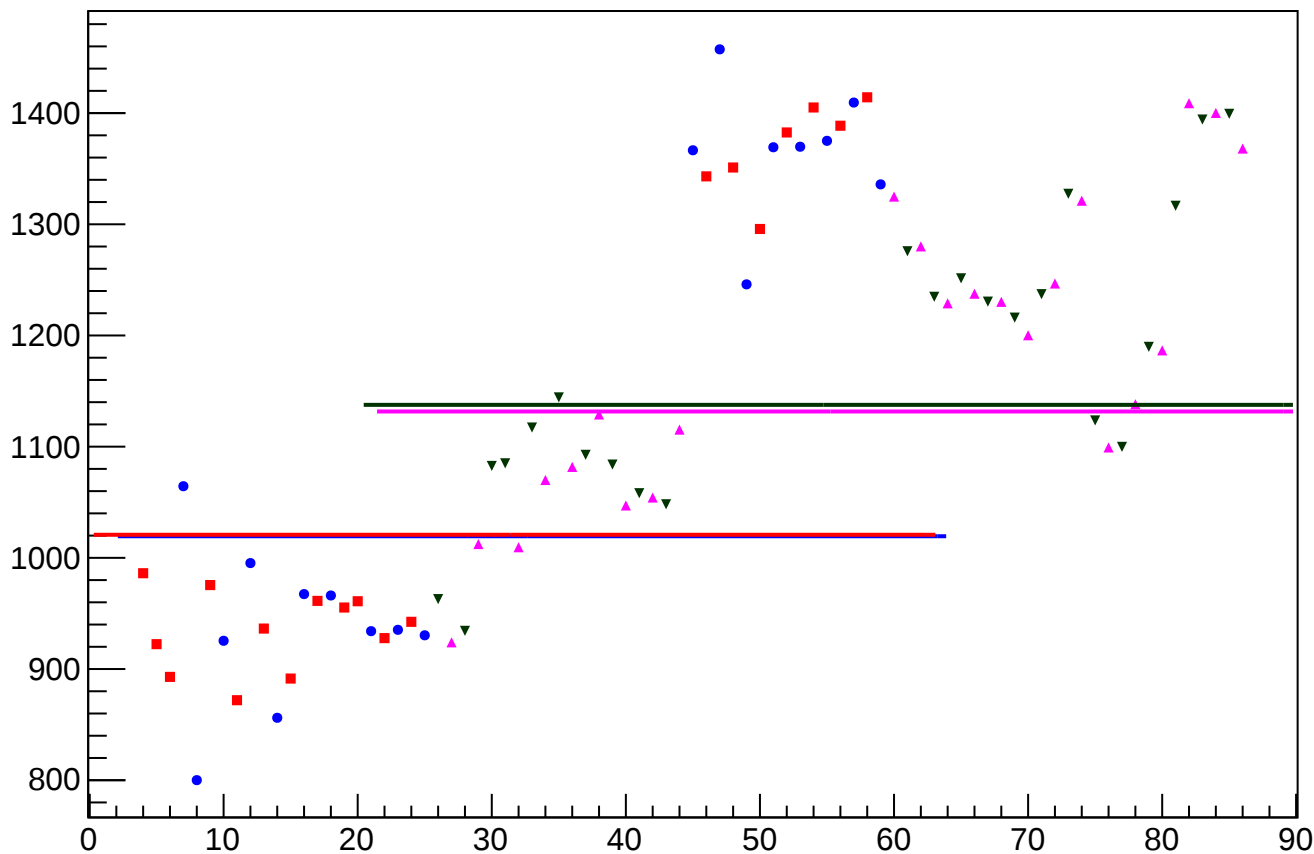
Right Out: 9.540+/-0.328 χ^2/NDF : 1327.8/18

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

9.493+/-0.226 χ^2/NDF : 30551.2/40

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: 1137.601+/-0.234 χ^2/NDF : 281455.9/22

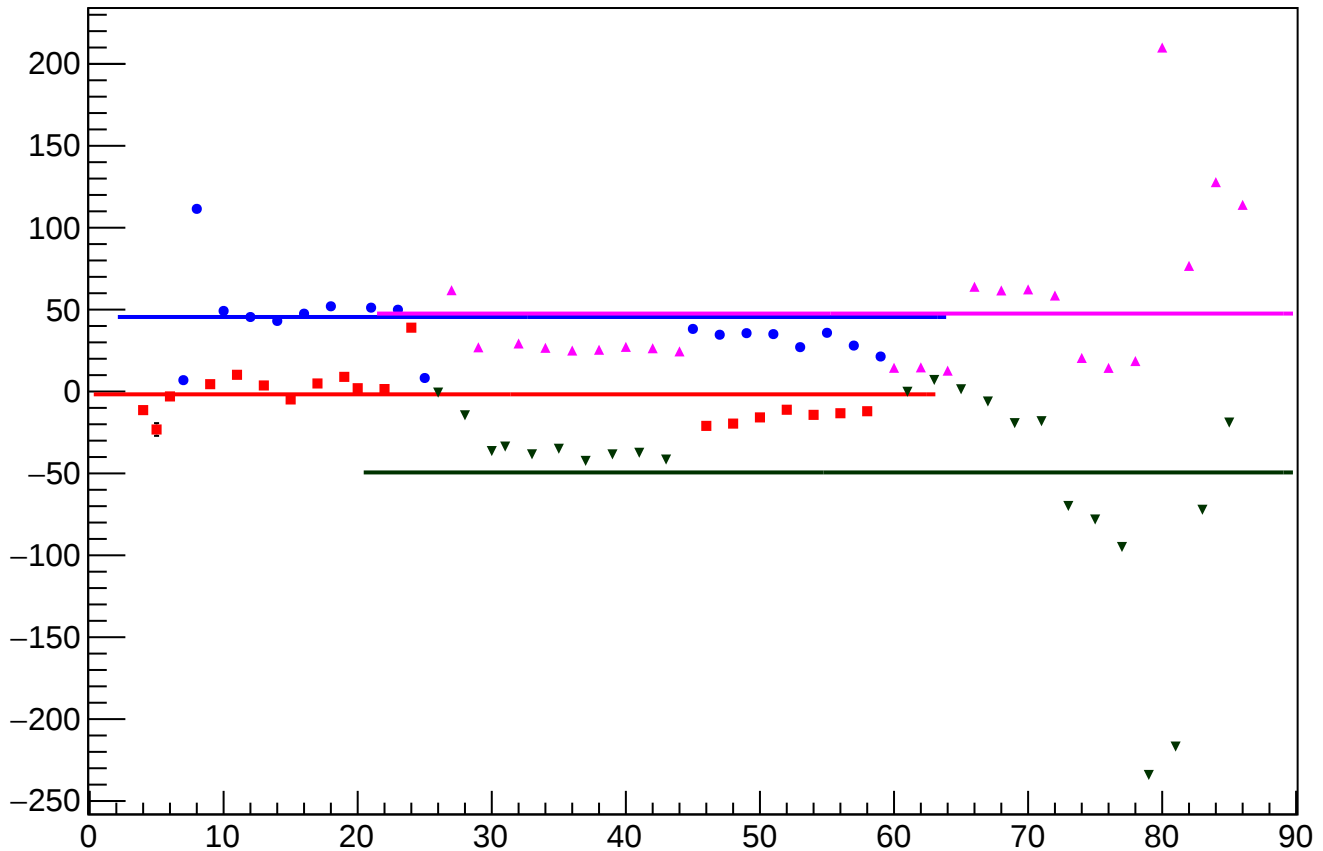
Right Out: 1020.749+/-0.232 χ^2/NDF : 605072.5/18

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

1074.644+/-0.160 χ^2/NDF : 1270203.1/40

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: -49.407+/-0.374 χ^2/NDF : 24905.0/22

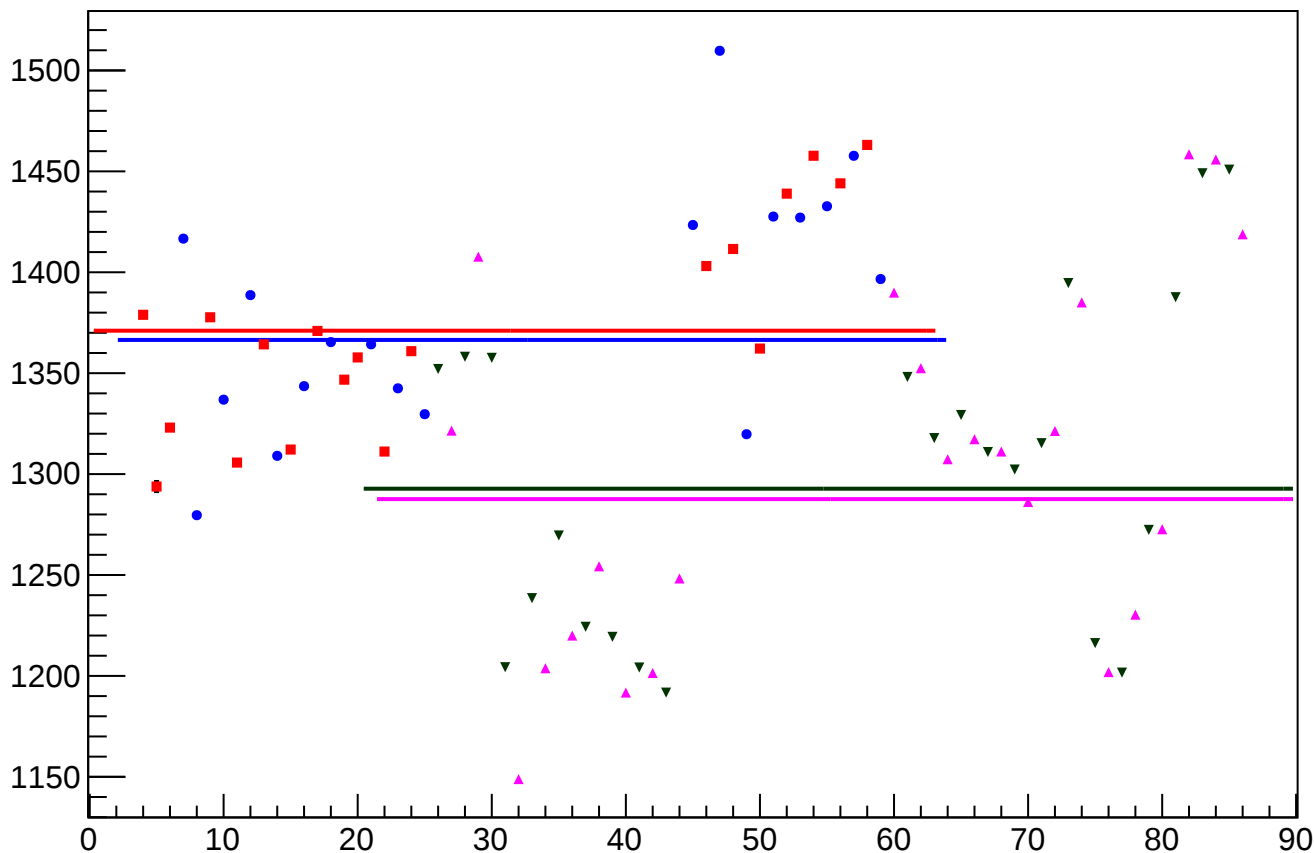
Right Out: -1.724+/-0.434 χ^2/NDF : 1071.7/18

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

-6.023+/-0.276 χ^2/NDF : 57687.3/40

27.500+/-0.277 χ^2/NDF : 24032.5/41

diff_bpm2i01Y_rms vs slug



Right In: 1366.474+/-0.288 χ^2/NDF : 38633.0/17

Left Out: 1292.766+/-0.265 χ^2/NDF : 82297.3/22

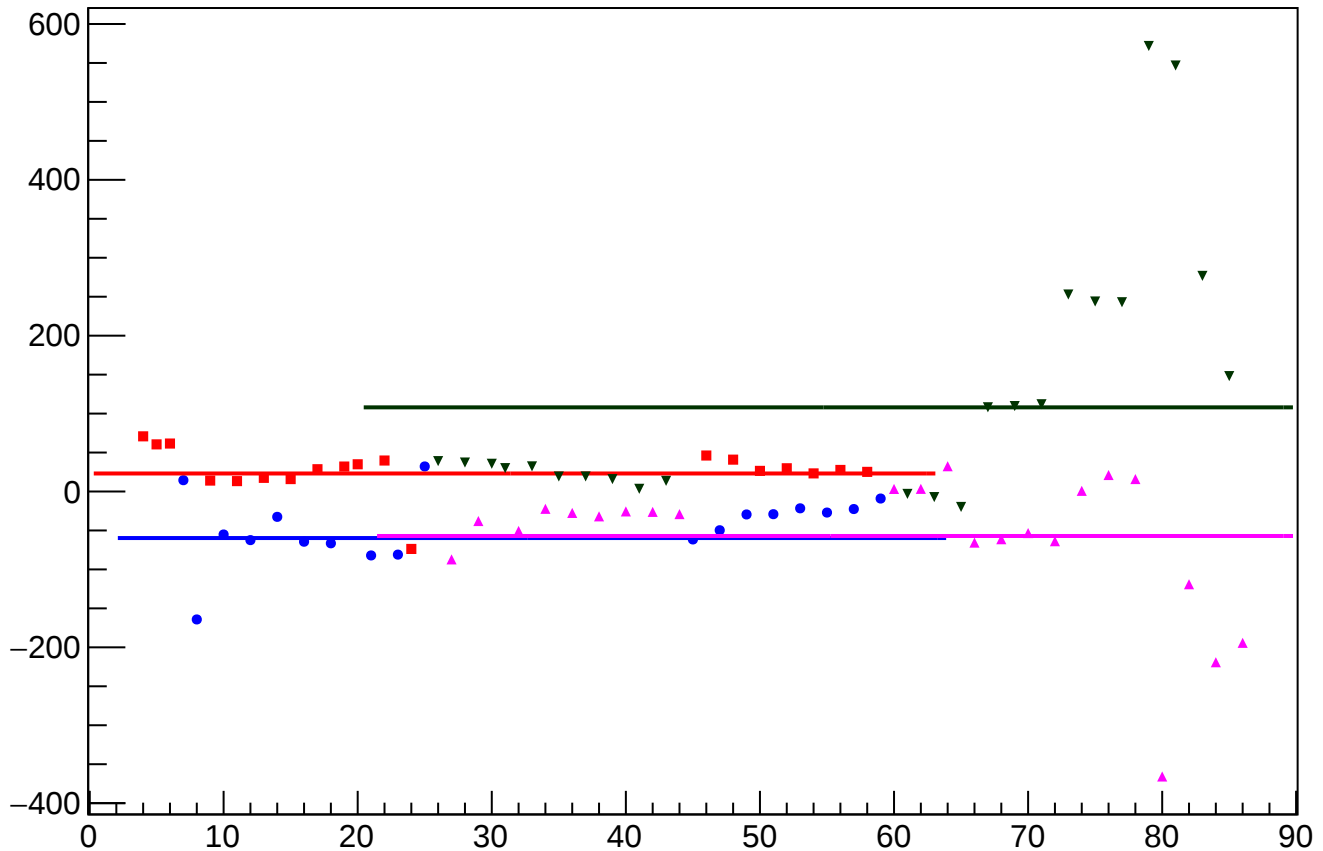
Right Out: 1371.055+/-0.307 χ^2/NDF : 24860.5/18

Left In: 1287.611+/-0.254 χ^2/NDF : 121670.8/22

1326.461+/-0.195 χ^2/NDF : 156374.6/40

1321.595+/-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: 107.989 ± 0.345 $\chi^2/\text{NDF}: 197942.2/22$

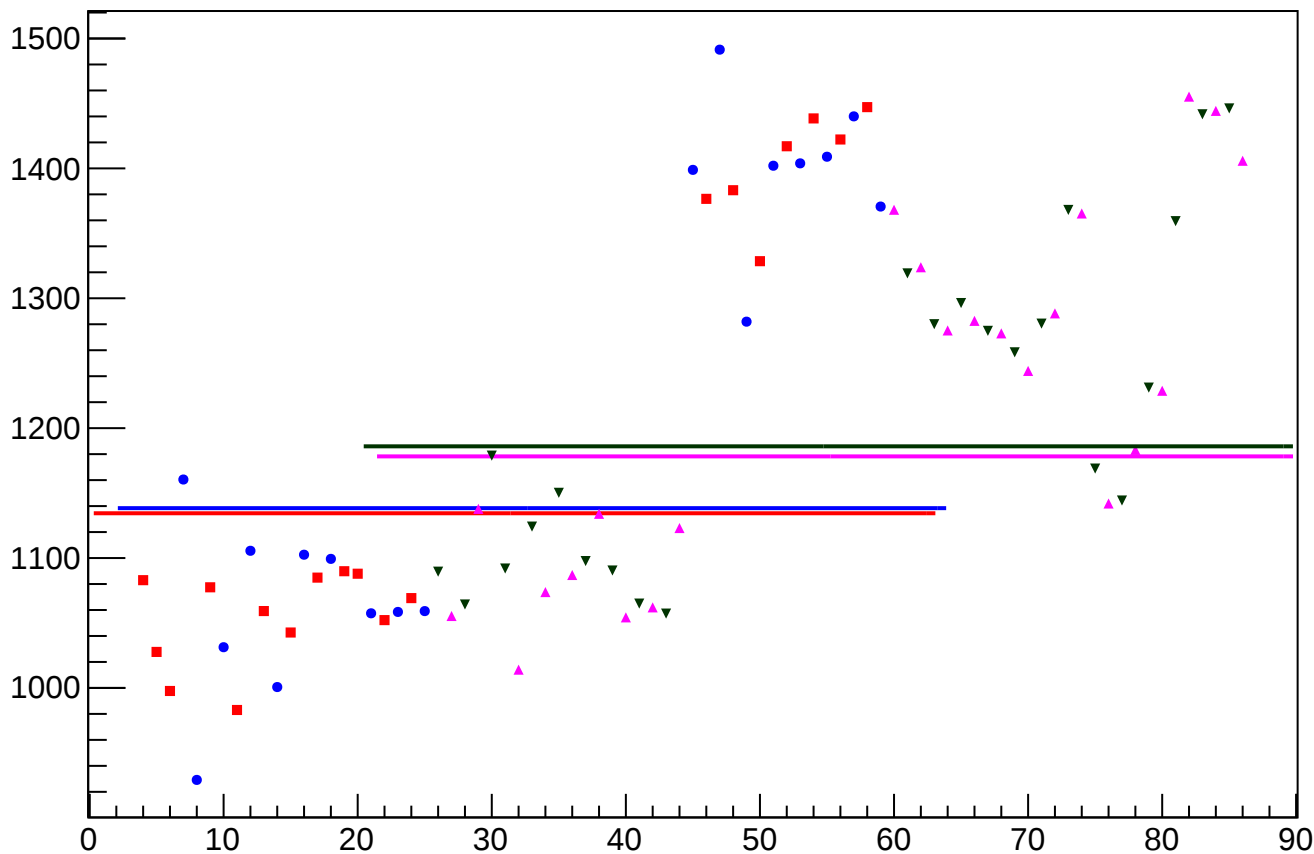
Right Out: 23.126 ± 0.362 $\chi^2/\text{NDF}: 7355.2/18$

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

23.788 ± 0.243 $\chi^2/\text{NDF}: 335682.6/40$

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

diff_bpm2i02X_rms vs slug



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

Left Out: 1186.009 $\pm$ 0.244 χ^2 /NDF: 220853.6/22

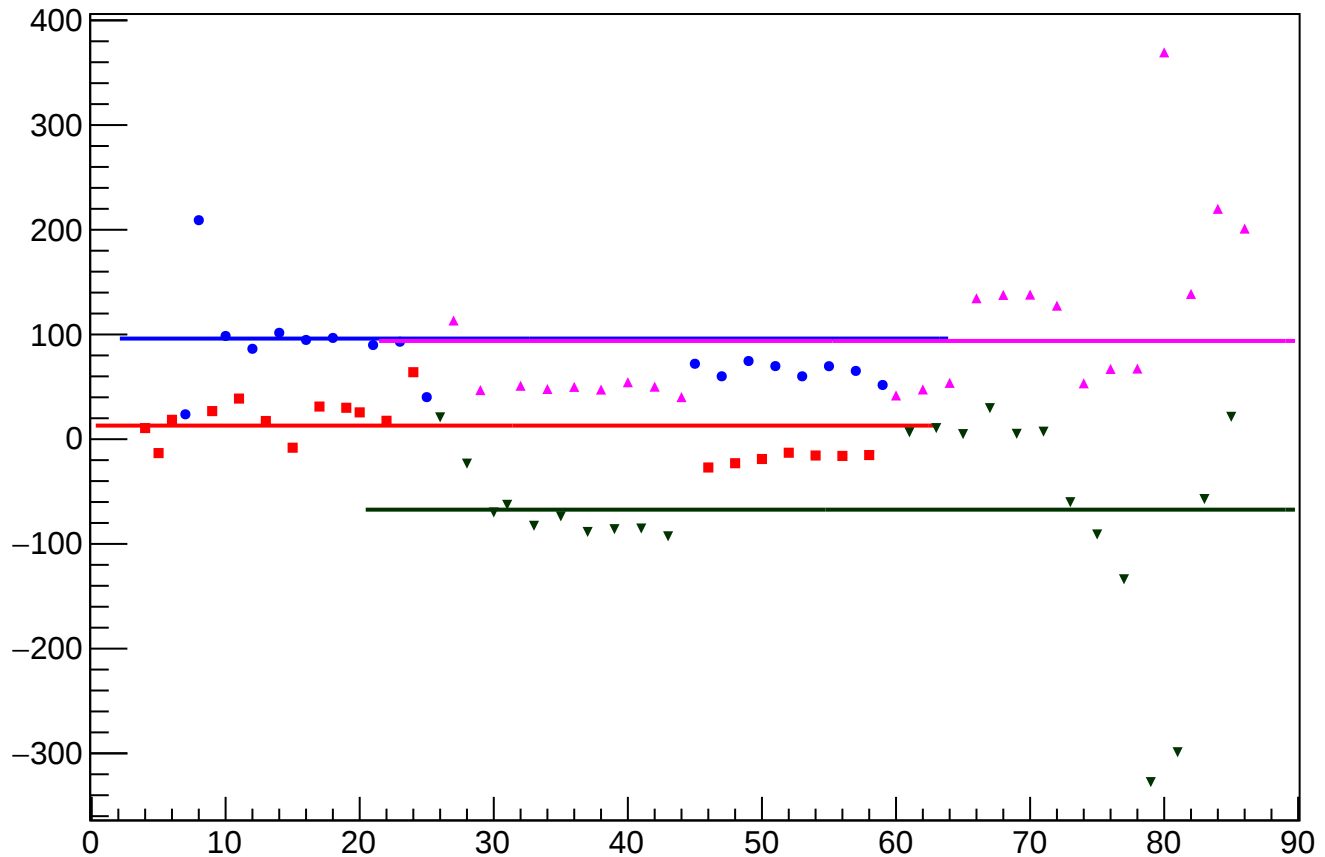
Right Out: 1134.479 $\pm$ 0.256 χ^2 /NDF: 360721.2/18

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

1162.114 $\pm$ 0.172 χ^2 /NDF: 728092.8/40

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

diff_bpm2i02Y_mean vs slug



Right In: 96.096+/-0.343 χ^2/NDF : 17116.6/17

Left Out: -67.284+/-0.338 χ^2/NDF : 64537.1/22

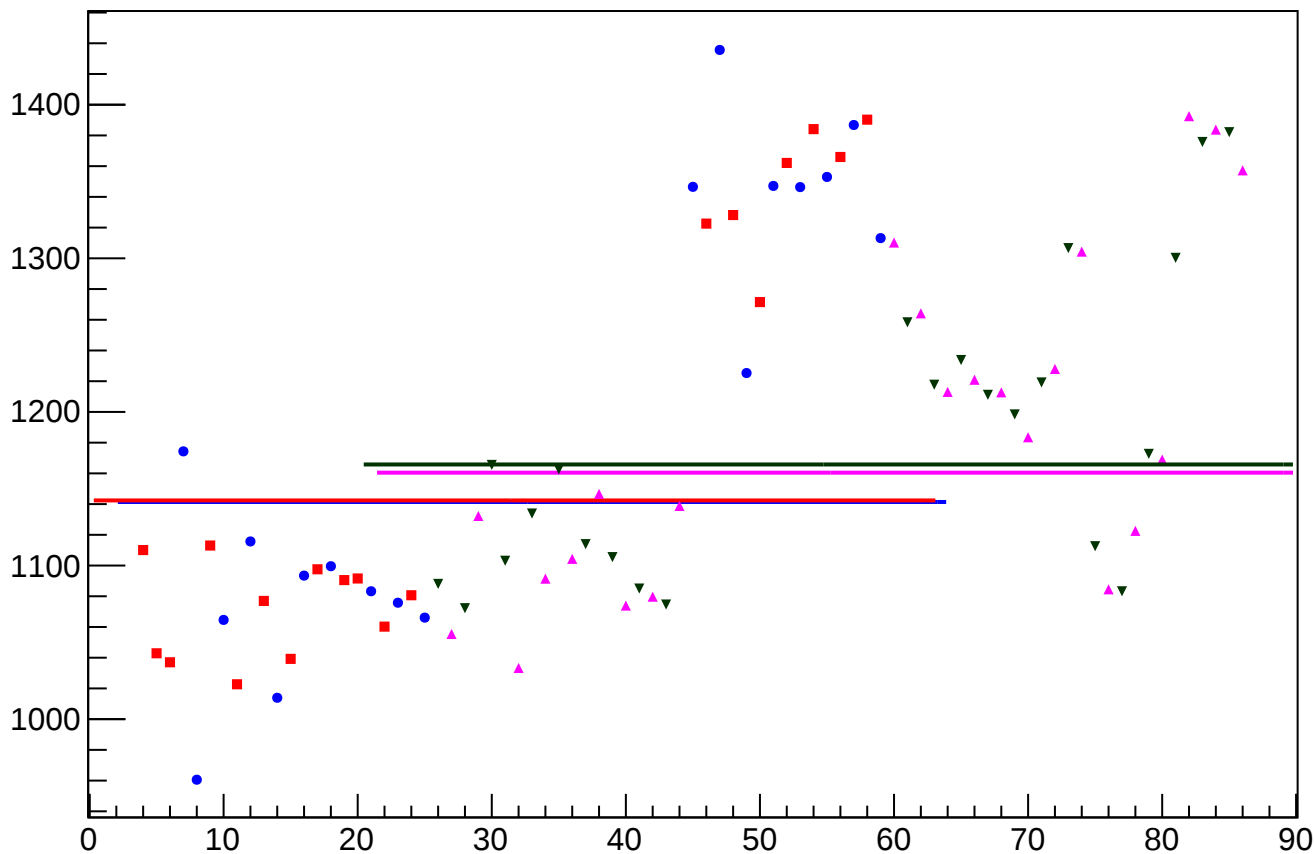
Right Out: 12.992+/-0.363 χ^2/NDF : 4541.3/18

Left In: 93.831+/-0.325 χ^2/NDF : 52006.8/22

13.240+/-0.241 χ^2/NDF : 196797.9/40

57.923+/-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: 1165.793+/-0.239 χ^2/NDF :132382.0/22

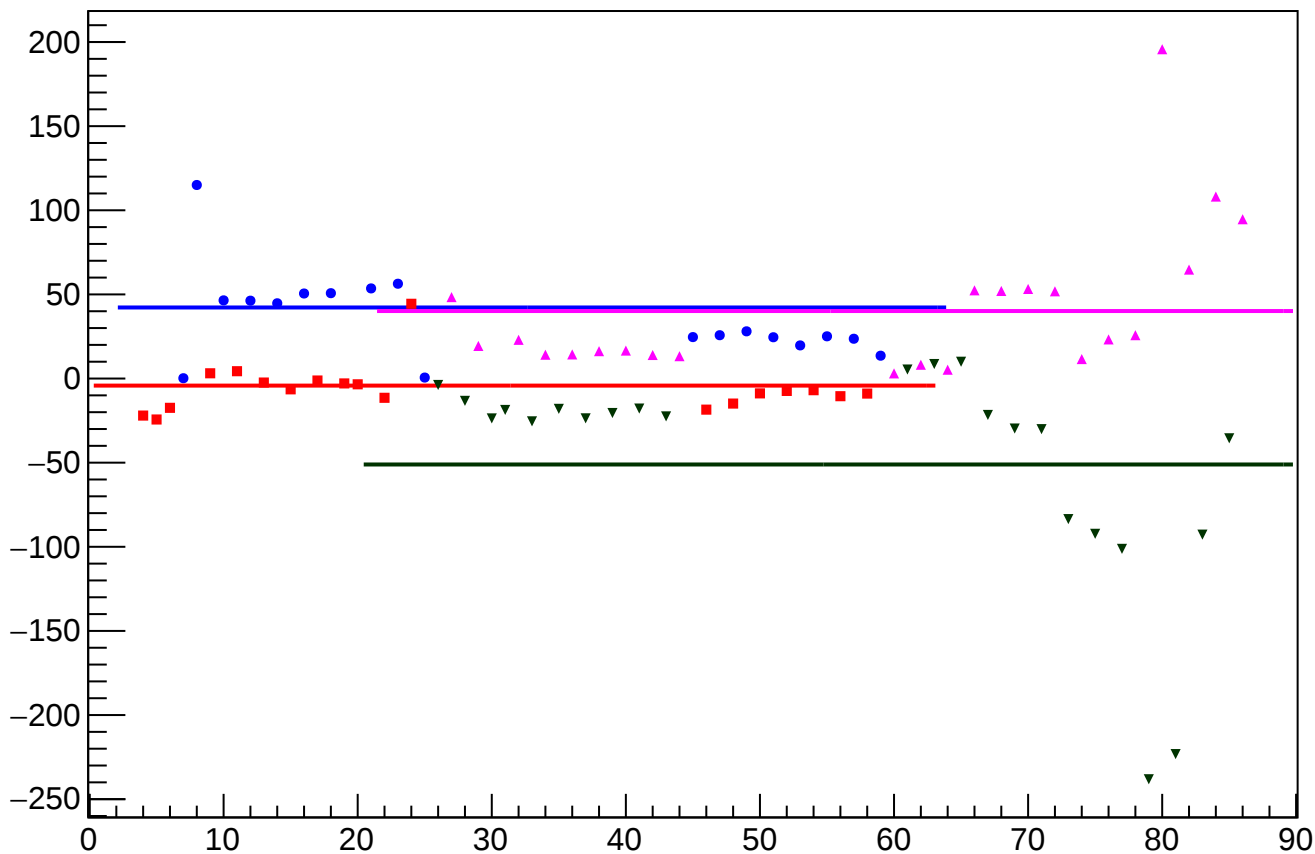
Right Out: 1142.390+/-0.257 χ^2/NDF : 236212.3/18

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

1153.761+/-0.170 χ^2/NDF : 466830.7/40

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

diff_bpm1i04X_mean vs slug



Right In: 42.233+/-0.231 χ^2/NDF : 14293.4/17

Left Out: -51.082+/-0.210 χ^2/NDF : 98016.8/22

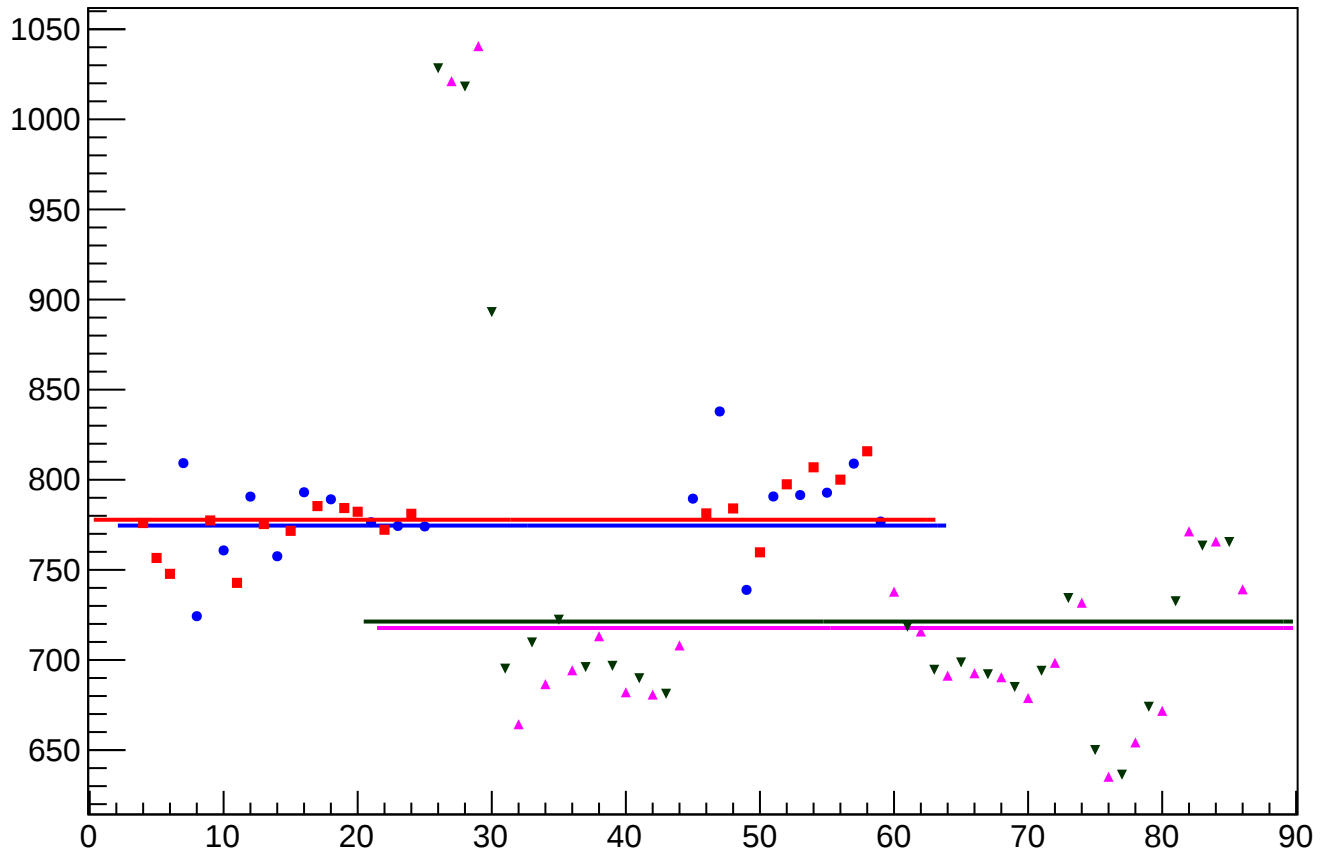
Right Out: -4.198+/-0.246 χ^2/NDF : 3378.3/18

Left In: 40.117+/-0.202 χ^2/NDF : 47166.0/22

-8.839+/-0.155 χ^2/NDF : 201707.3/40

22.302+/-0.156 χ^2/NDF : 69985.8/41

diff_bpm1i04X_rms vs slug



Right In: 774.583+/-0.163 χ^2/NDF : 26360.5/17

Left Out: 721.328+/-0.148 χ^2/NDF : 315565.3/22

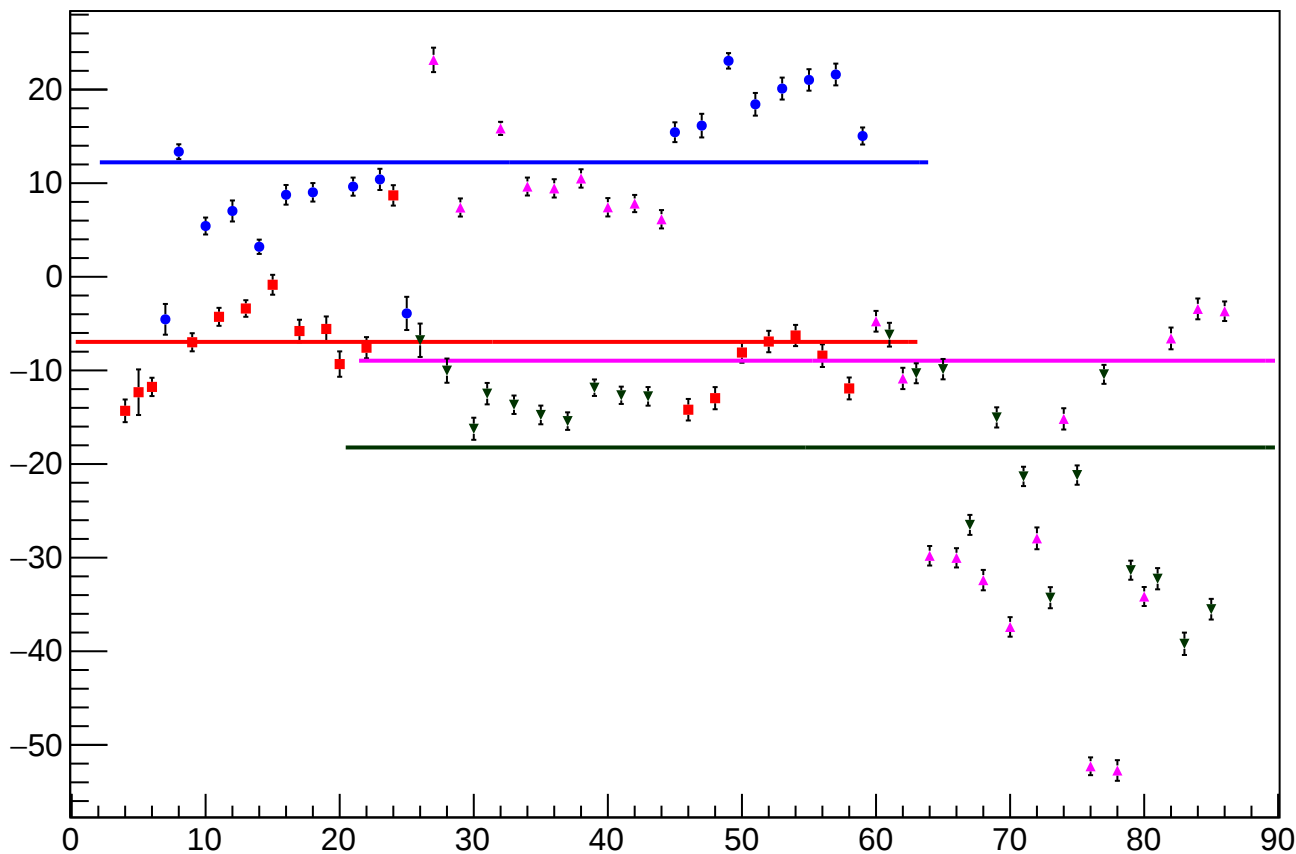
Right Out: 777.816+/-0.174 χ^2/NDF : 11180.5/18

Left In: 717.745+/-0.142 χ^2/NDF : 388826.9/22

745.436+/-0.110 χ^2/NDF : 400158.4/40

741.894+/-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: -18.231 $\pm$ 0.223 χ^2 /NDF: 1695.2/22

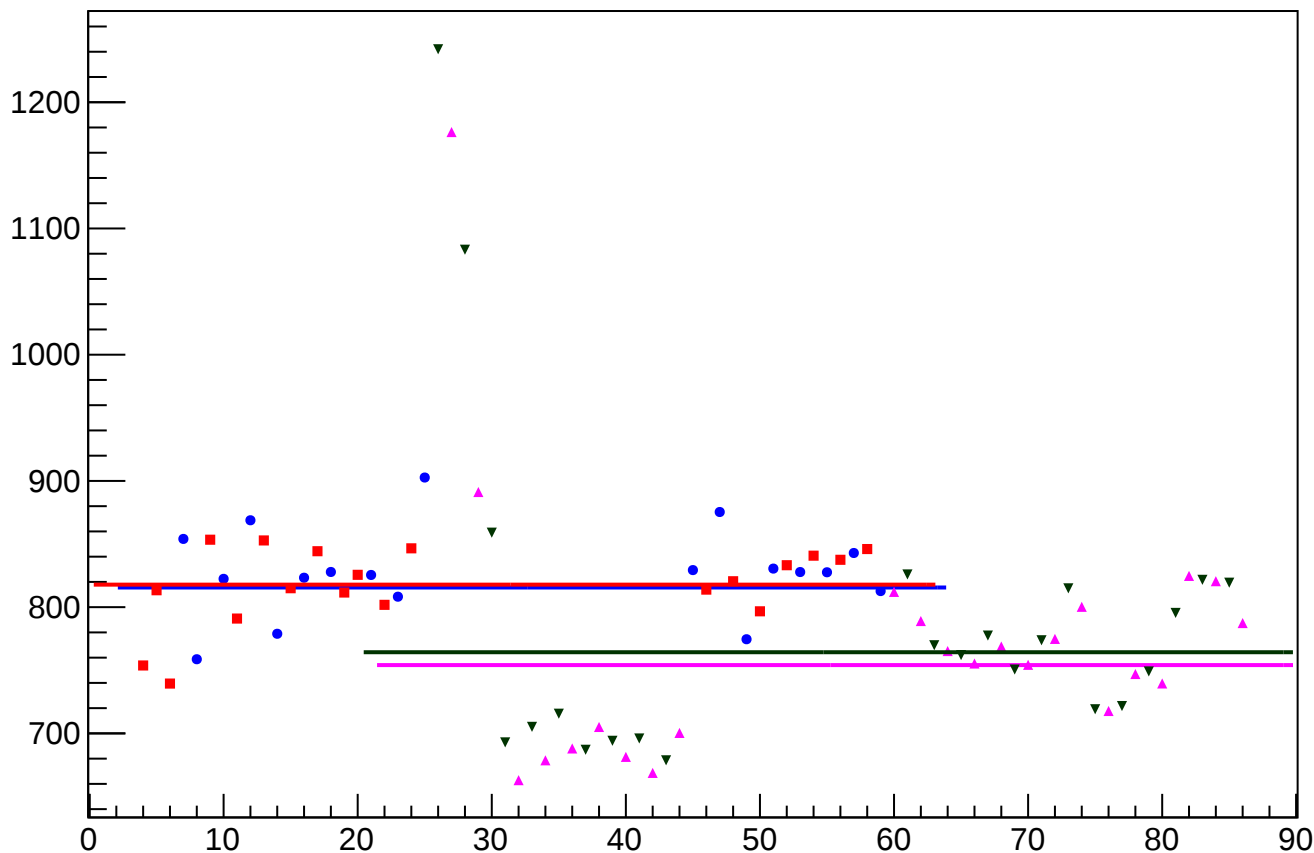
Right Out: -6.954 $\pm$ 0.259 χ^2 /NDF: 420.8/18

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

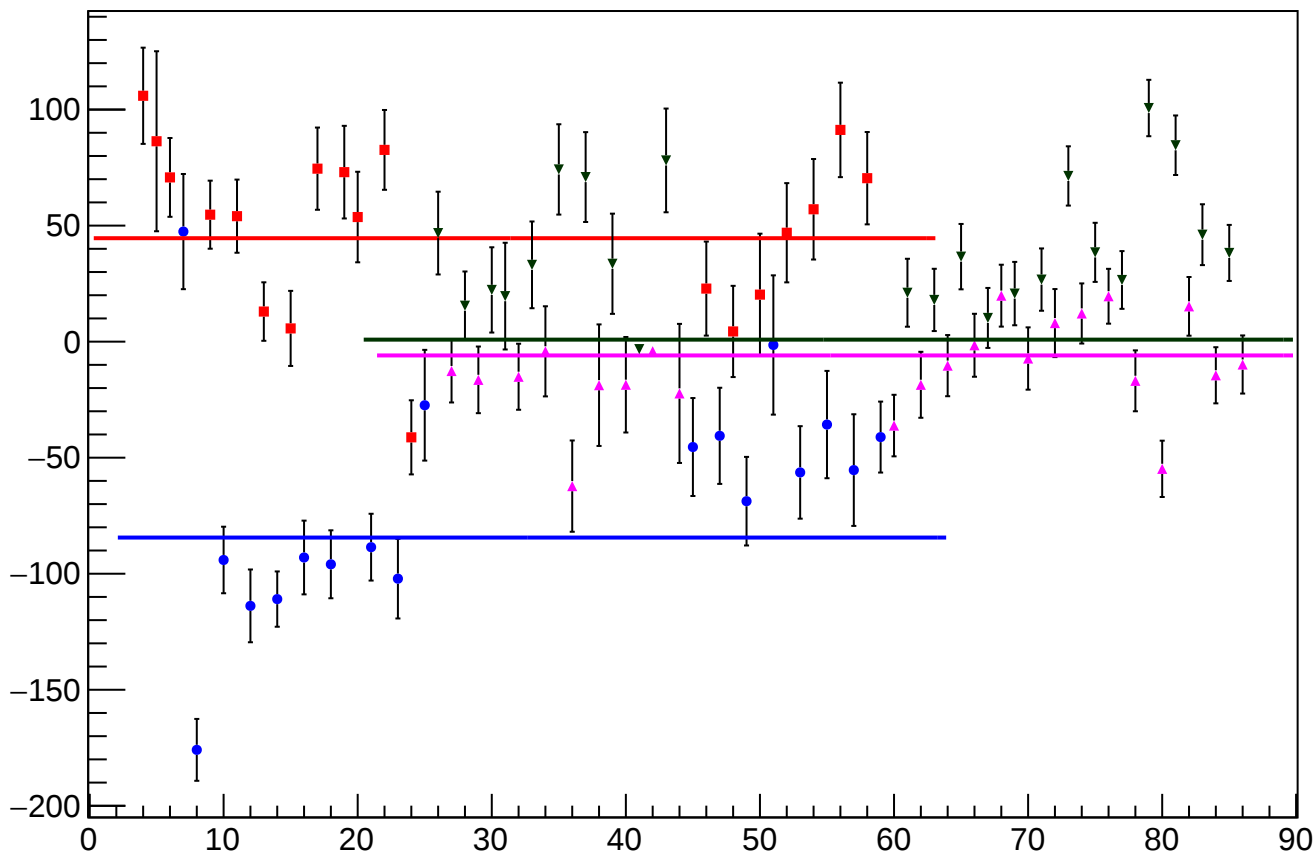
-4.306 $\pm$ 0.165 χ^2 /NDF: 11020.7/40

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

diff_bpm1i04Y_rms vs slug



diff_bpm0l02X_mean vs slug



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

Left Out: 0.867 ± 0.939 χ^2/NDF : 262.8/22

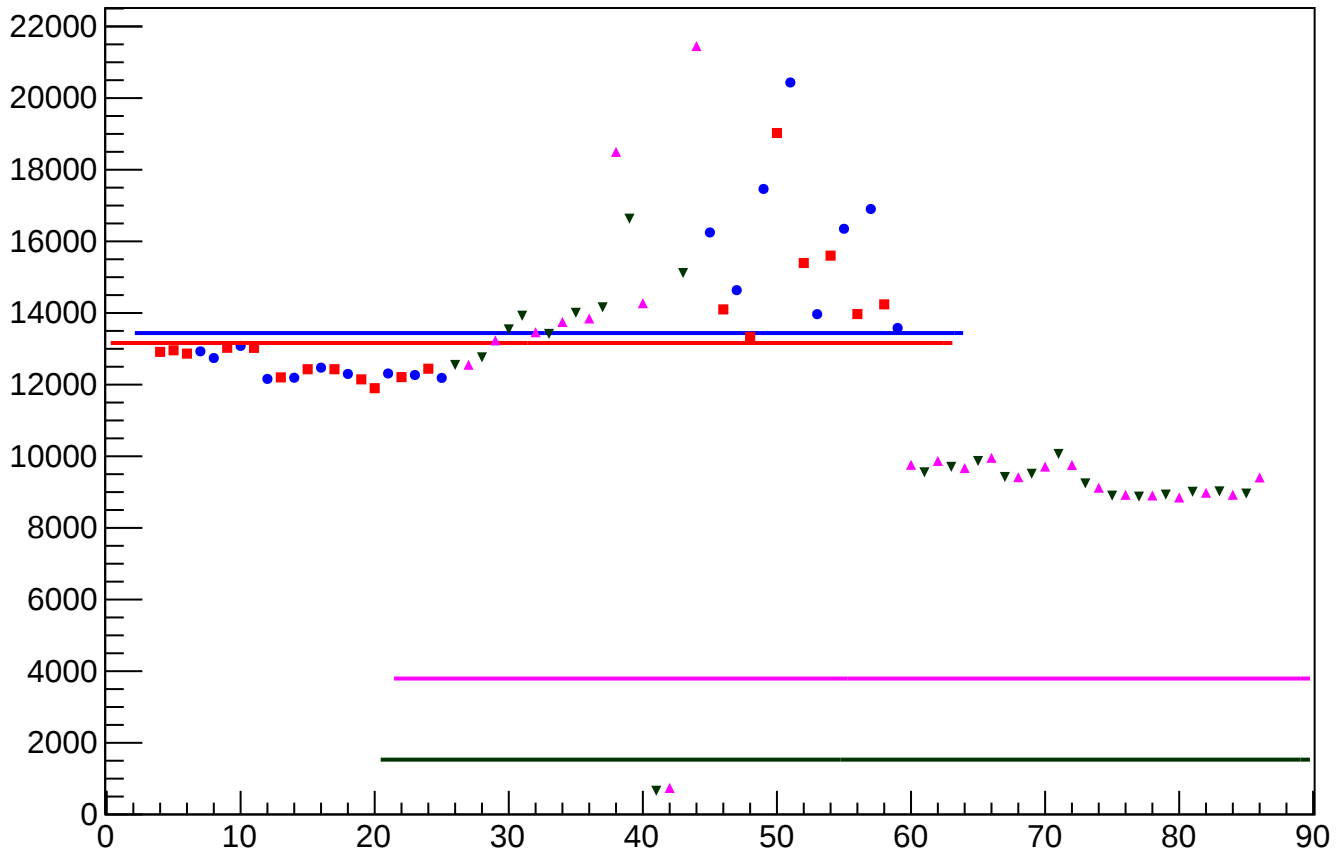
Right Out: 44.573 ± 4.203 χ^2/NDF : 77.6/18

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

-3.459 ± 0.914 χ^2/NDF : 805.8/40

1.203 ± 1.581 χ^2/NDF : 250.5/41

diff_bpm0l02X_rms vs slug



Right In: 13440.177+/-2.871 χ^2/NDF : 403912.7/17

Left Out: 1530.196+/-0.664 χ^2/NDF :18328058.2/22

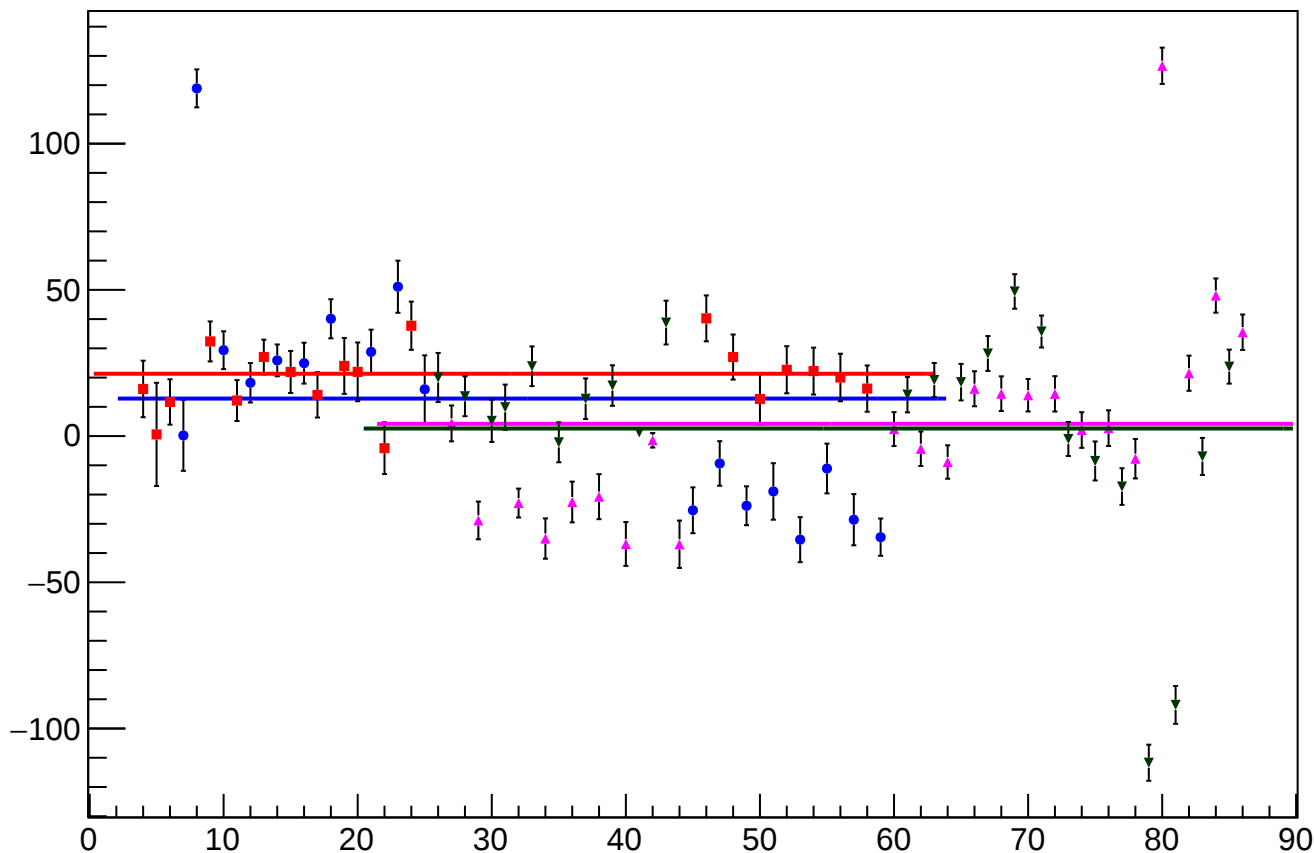
Right Out: 13162.769+/-2.972 χ^2/NDF : 204436.9/18

Left In: 3794.703+/-1.206 χ^2/NDF :15030257.0/22

2134.353+/-0.647 χ^2/NDF : 35070350.4/40

5119.775+/-1.118 χ^2/NDF : 23766870.9/41

diff_bpm0l02Y_mean vs slug



Right In: 12.827 $\pm$ 1.752 χ^2 /NDF: 521.8/17

Left Out: 2.587 $\pm$ 0.923 χ^2 /NDF: 771.5/22

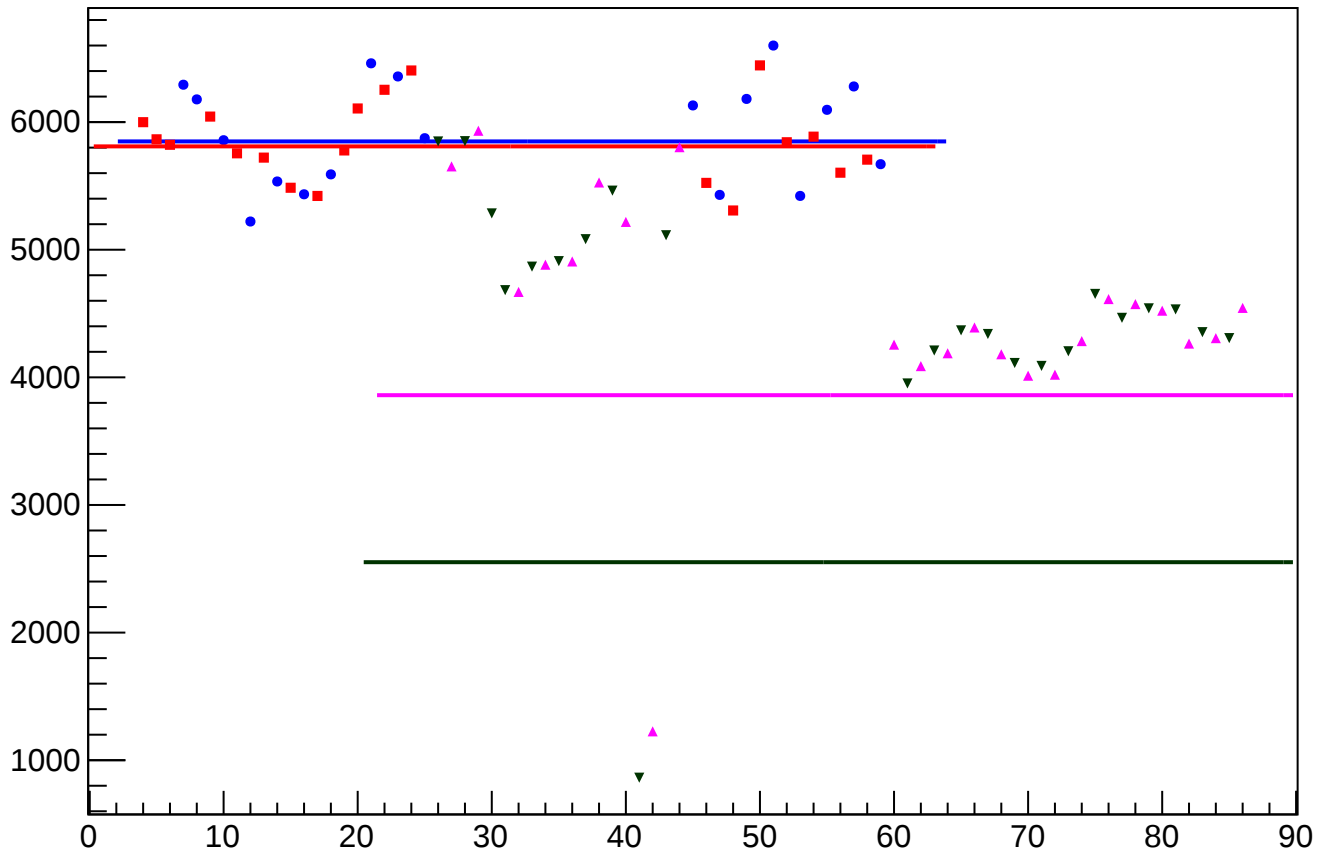
Right Out: 21.314 $\pm$ 1.847 χ^2 /NDF: 29.5/18

Left In: 4.189 $\pm$ 1.166 χ^2 /NDF: 679.4/22

4.811 $\pm$ 0.817 χ^2 /NDF: 1320.0/40

9.068 $\pm$ 0.986 χ^2 /NDF: 770.4/41

diff_bpm0l02Y_rms vs slug



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

Left Out: 2551.661+/-0.653 χ^2/NDF :8420056.7/22

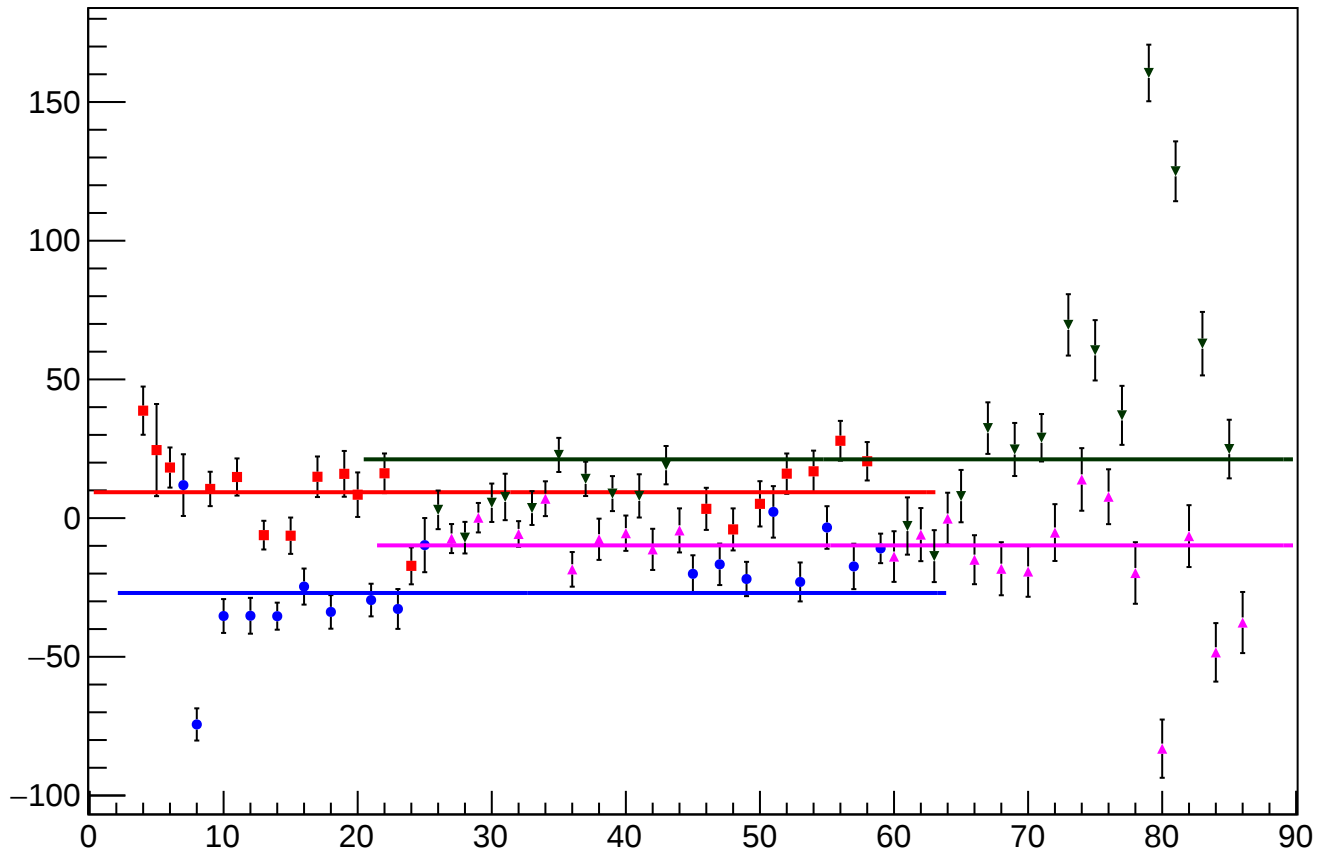
Right Out: 5809.767+/-1.306 χ^2/NDF : 53321.4/18

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

3267.826+/-0.578 χ^2/NDF : 14063161.4/40

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: 21.188 ± 1.673 $\chi^2/\text{NDF}: 406.4/22$

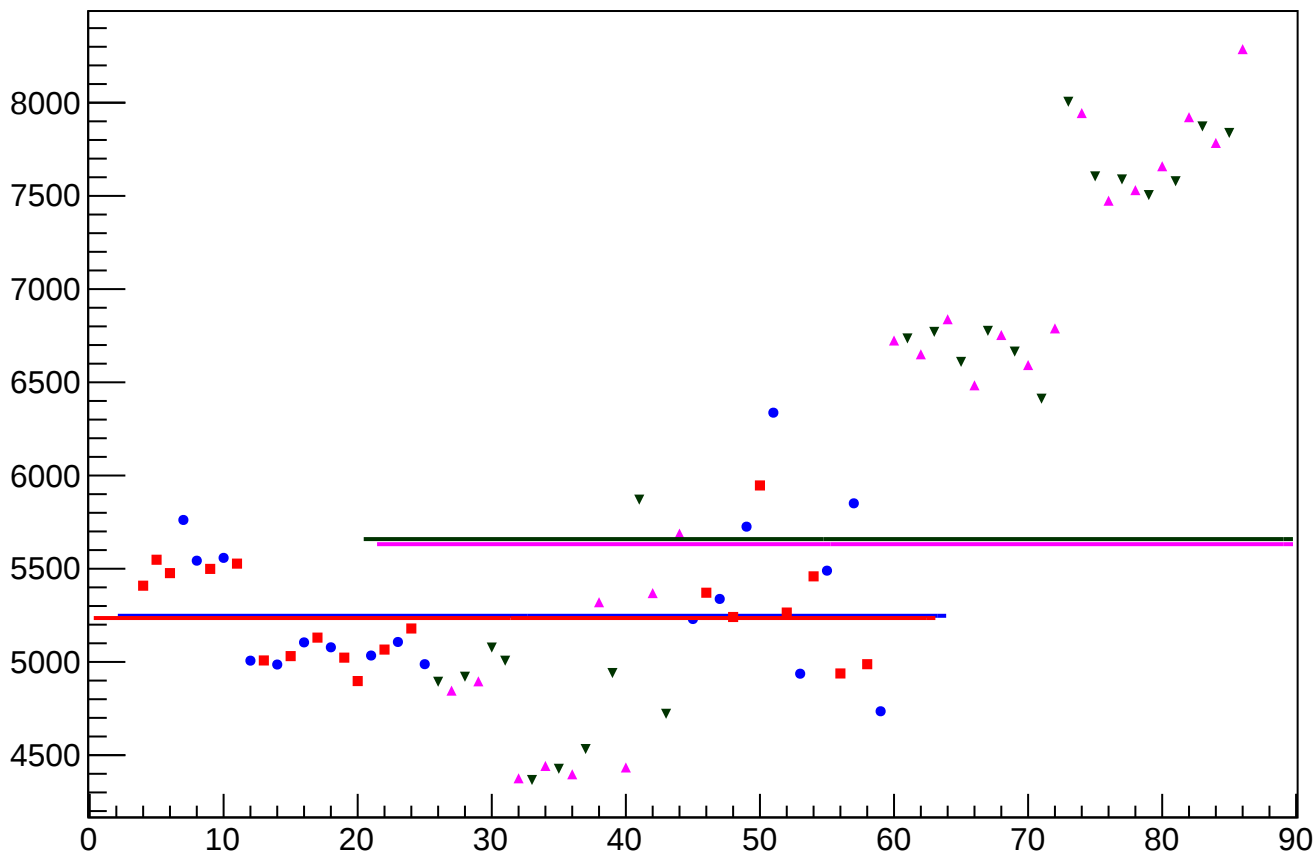
Right Out: 9.337 ± 1.659 $\chi^2/\text{NDF}: 62.4/18$

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

-4.444 ± 1.145 $\chi^2/\text{NDF}: 971.8/40$

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

diff_bpm0l03X_rms vs slug



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

Left Out: 5659.028+/-1.183 χ^2/NDF : 1029890.6/22

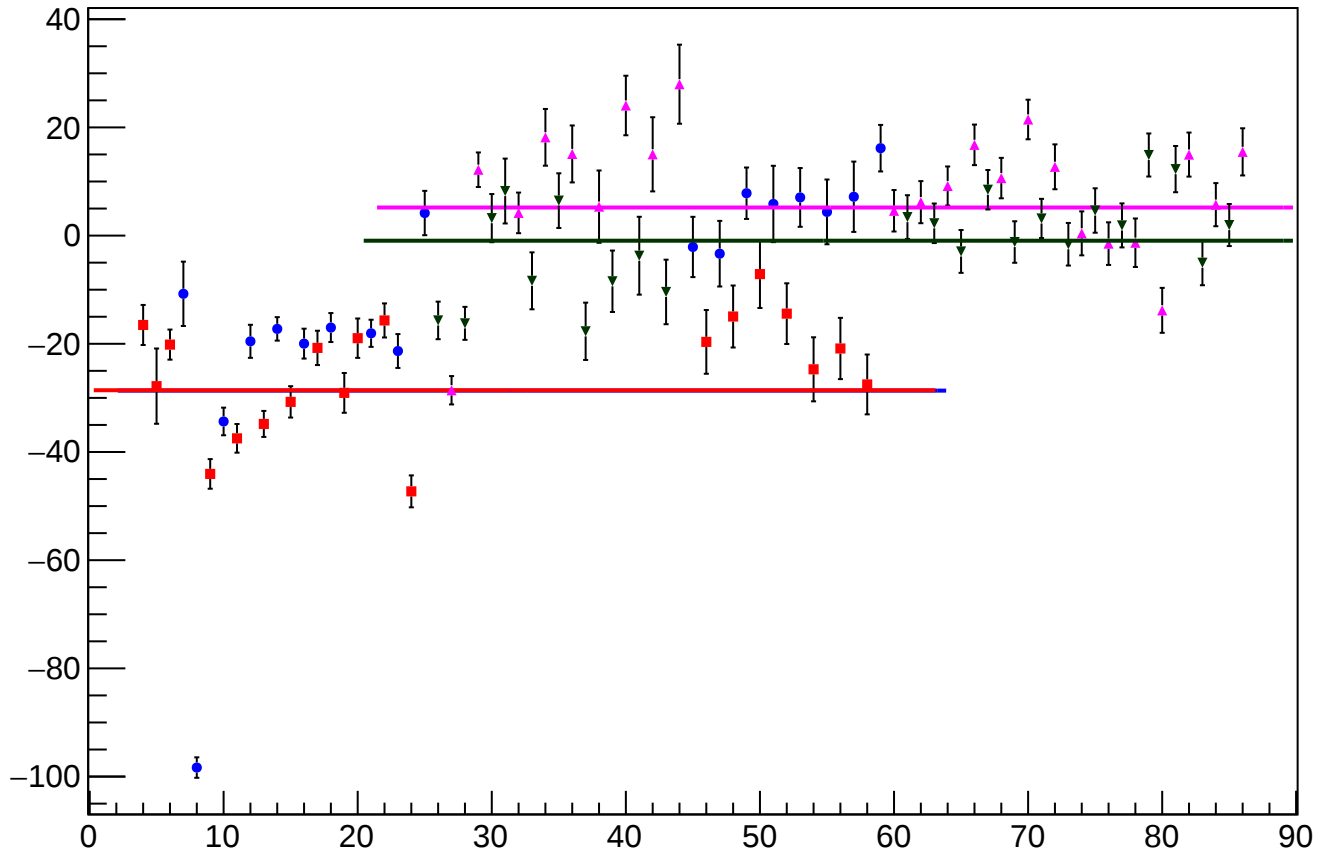
Right Out: 5235.469+/-1.173 χ^2/NDF : 47165.0/18

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

5440.113+/-0.809 χ^2/NDF : 1199848.0/40

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: -0.944 ± 0.876 χ^2/NDF : 104.4/22

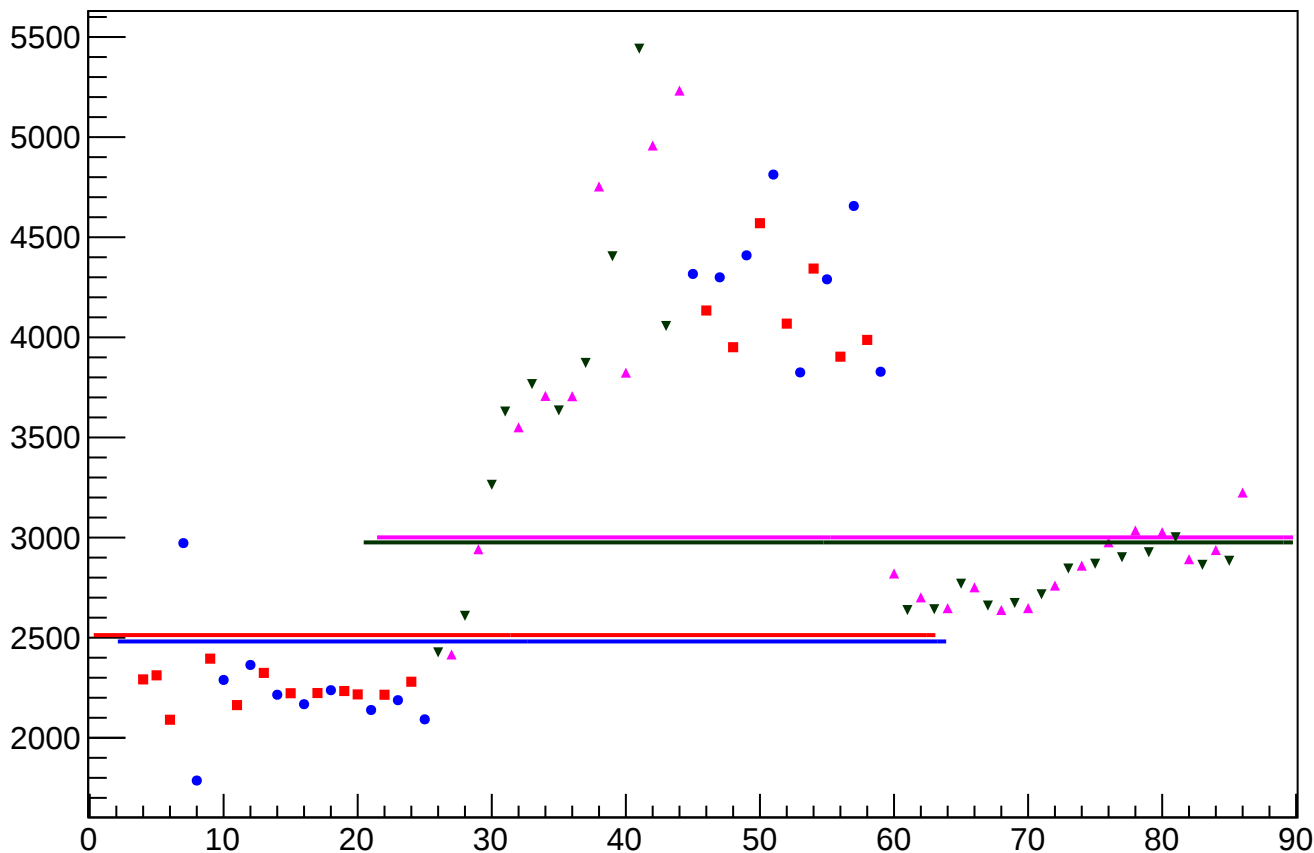
-16.365 ± 0.583 χ^2/NDF : 2518.9/40

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

-12.210 ± 0.593 χ^2/NDF : 1257.4/41

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

diff_bpm0l03Y_rms vs slug



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

Left Out: 2975.866+/-0.619 χ^2/NDF : 755542.1/22

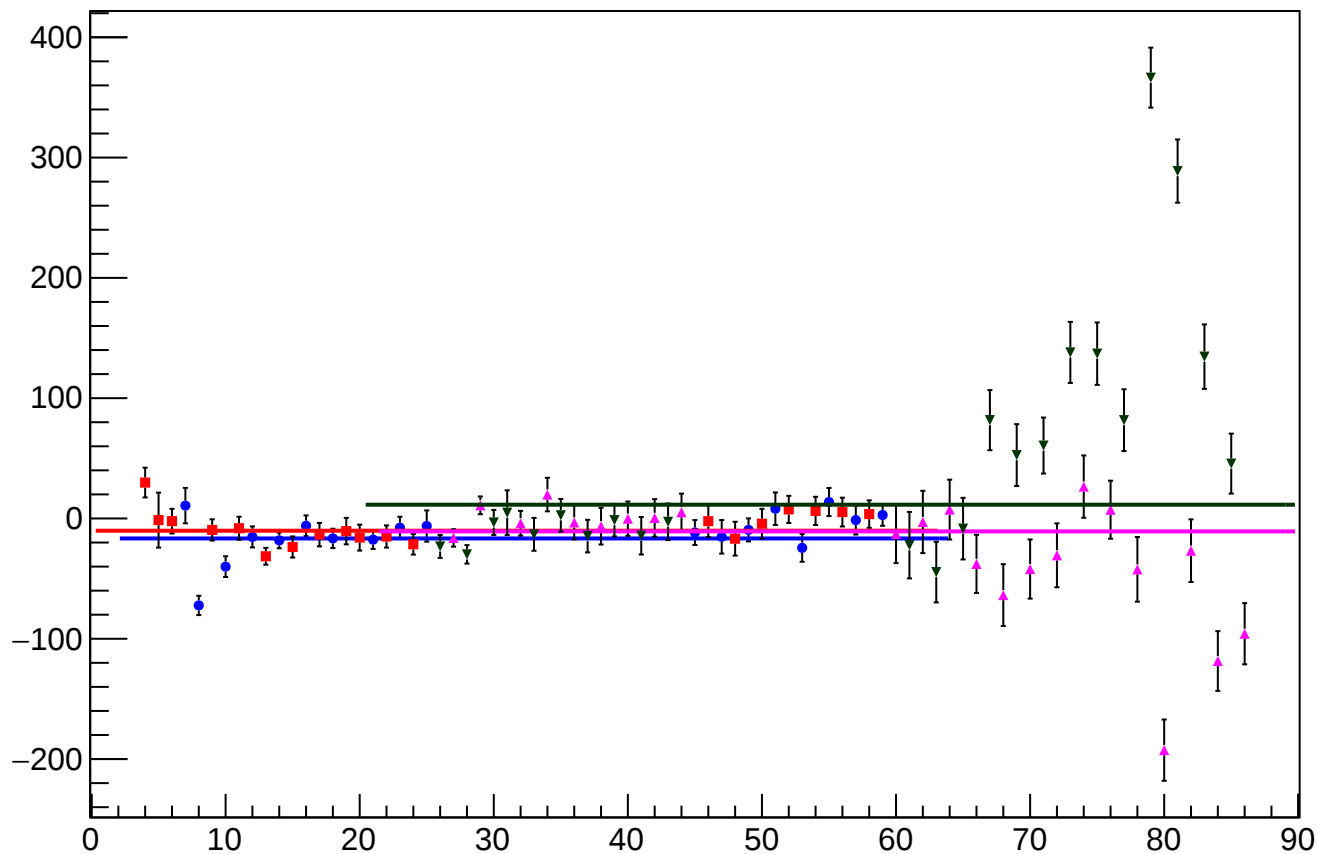
2700.605+/-0.413 χ^2/NDF : 3222838.2/40

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 $\pm$ 2.242 χ^2 /NDF: 79.9/17

Left Out: 11.440 $\pm$ 3.333 χ^2 /NDF: 470.9/22

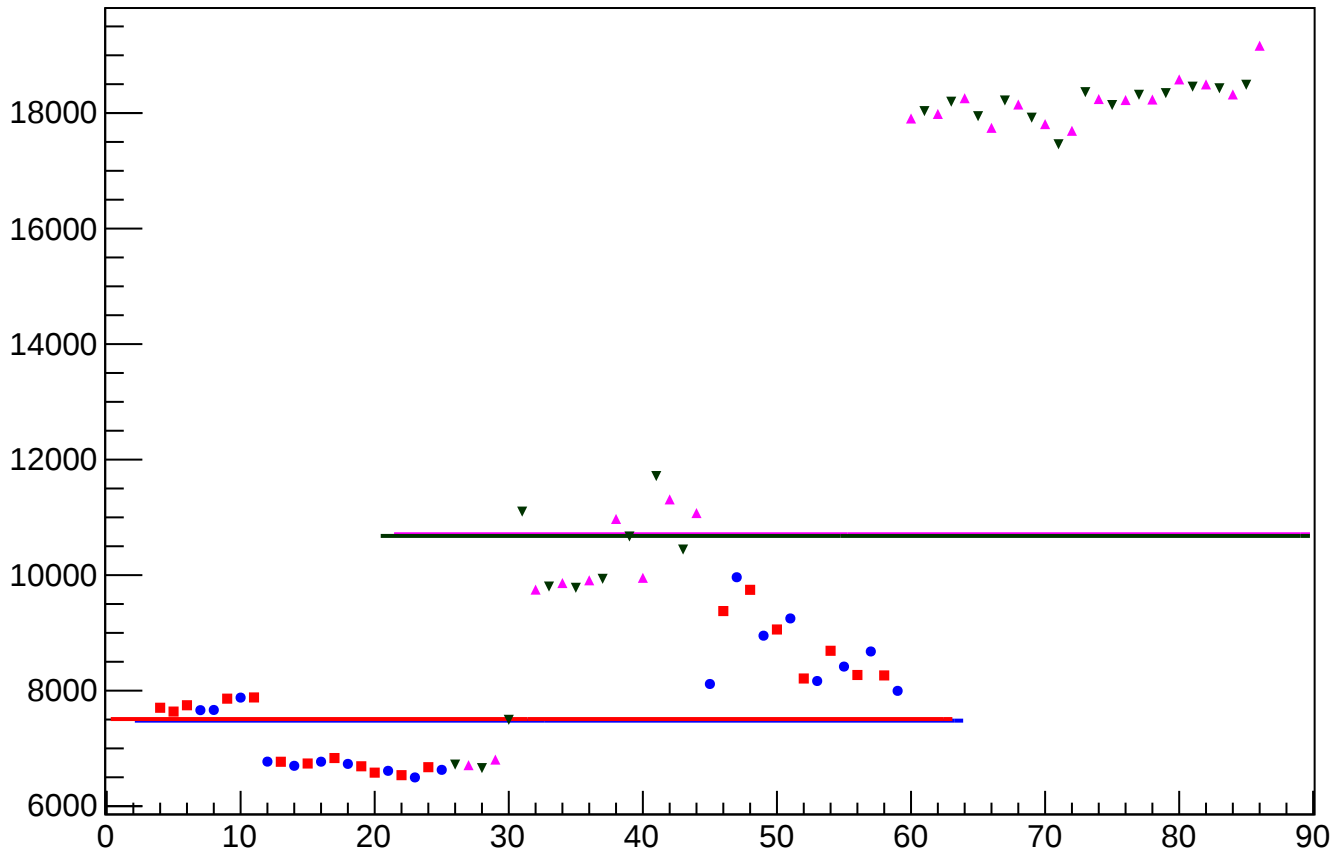
Right Out: -10.172 $\pm$ 2.389 χ^2 /NDF: 33.7/18

Left In: -10.742 $\pm$ 3.220 χ^2 /NDF: 110.6/22

-7.875 $\pm$ 1.860 χ^2 /NDF: 599.5/40

-10.374 $\pm$ 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: 10678.863+/-2.357 χ^2/NDF : 3353949.5/22

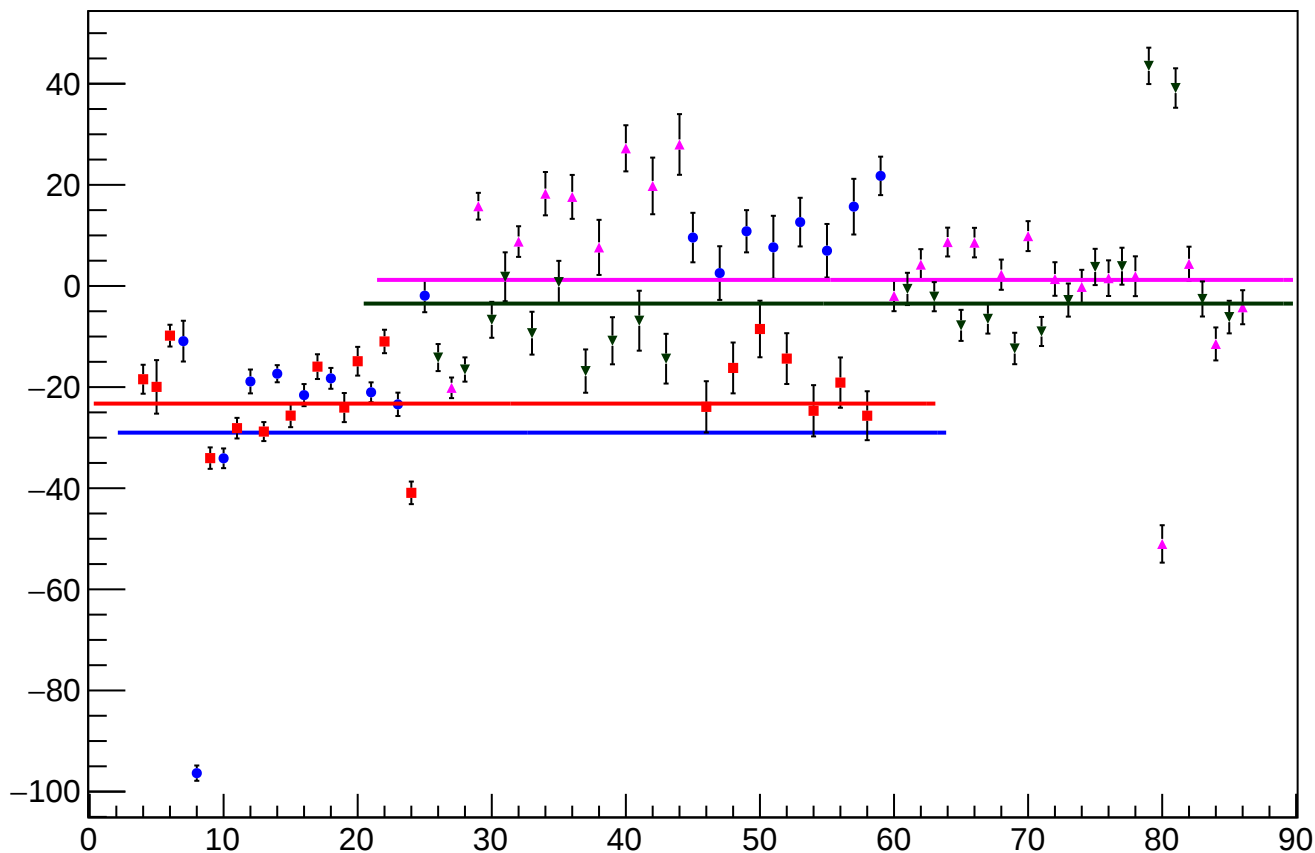
Right Out: 7508.240+/-1.689 χ^2/NDF : 289453.4/18

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

8476.773+/-1.315 χ^2/NDF : 4956585.1/40

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: -3.482 ± 0.715 $\chi^2/\text{NDF}: 382.9/22$

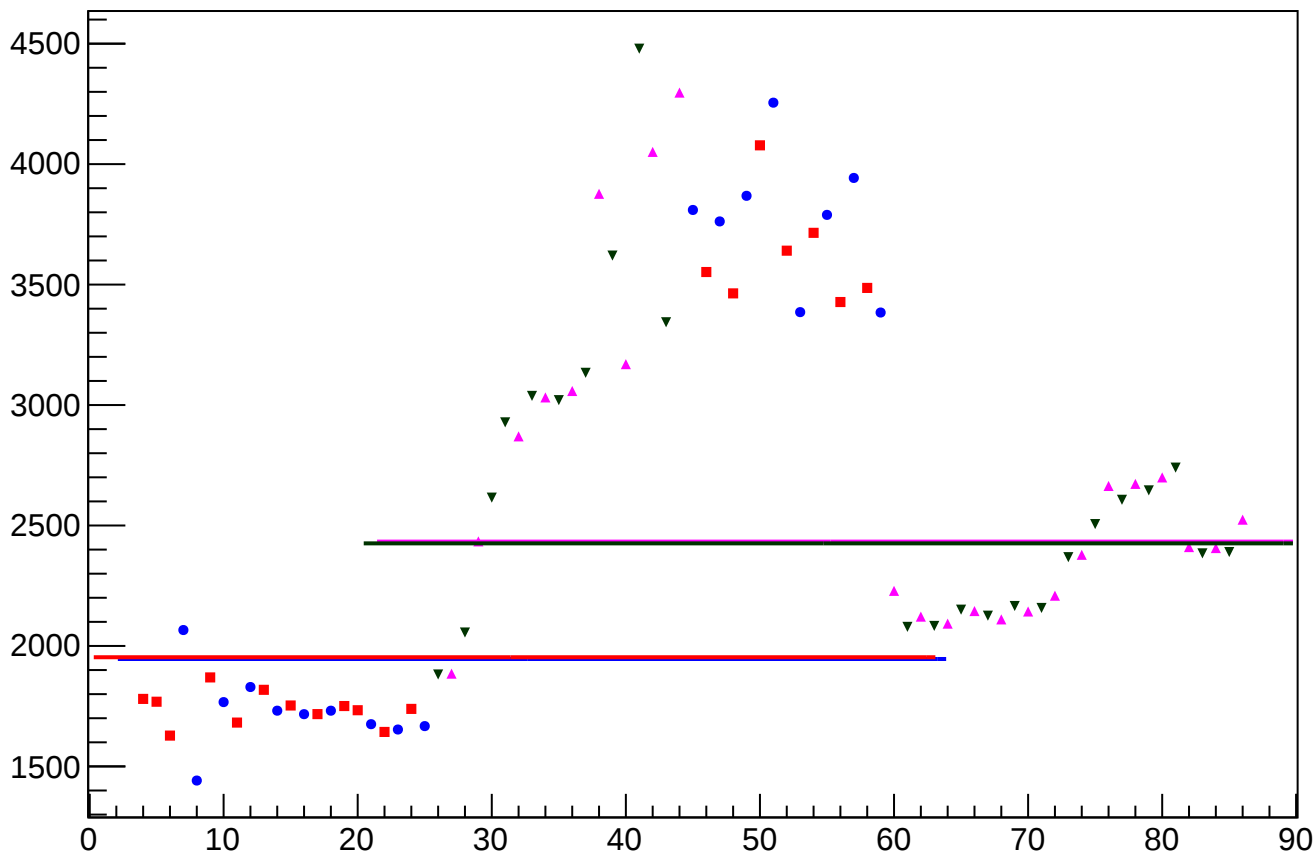
Right Out: -23.263 ± 0.648 $\chi^2/\text{NDF}: 204.8/18$

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

-18.094 ± 0.468 $\chi^2/\text{NDF}: 3903.4/40$

-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: 2425.821+/-0.506 χ^2/NDF : 883540.6/22

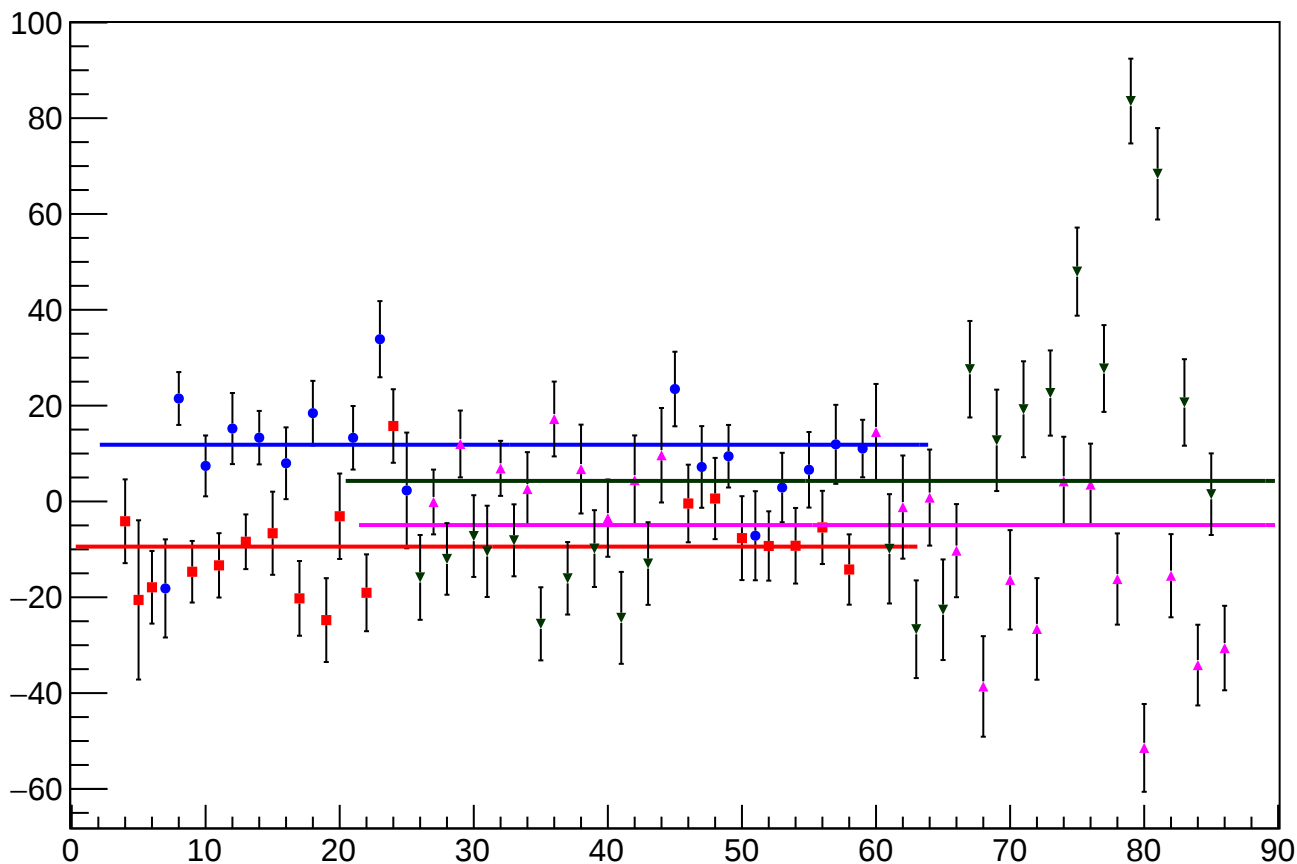
2151.065+/-0.331 χ^2/NDF : 3998236.2/40

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: 4.288 ± 1.859 $\chi^2/\text{NDF}: 243.3/22$

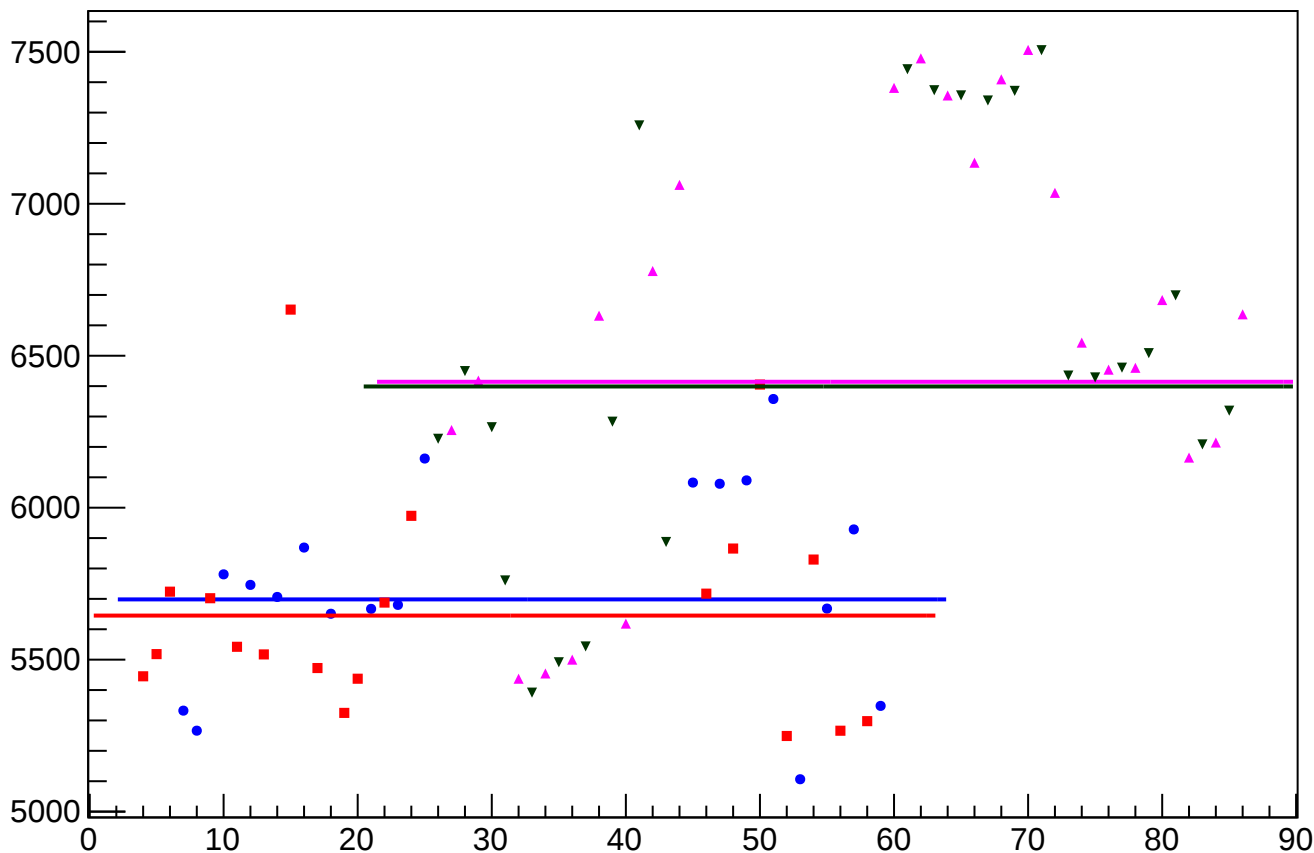
Right Out: -9.425 ± 1.790 $\chi^2/\text{NDF}: 24.3/18$

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

8.397 ± 1.255 $\chi^2/\text{NDF}: 283.0/40$

-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: 6398.836 ± 1.315 χ^2/NDF : 237612.7/22

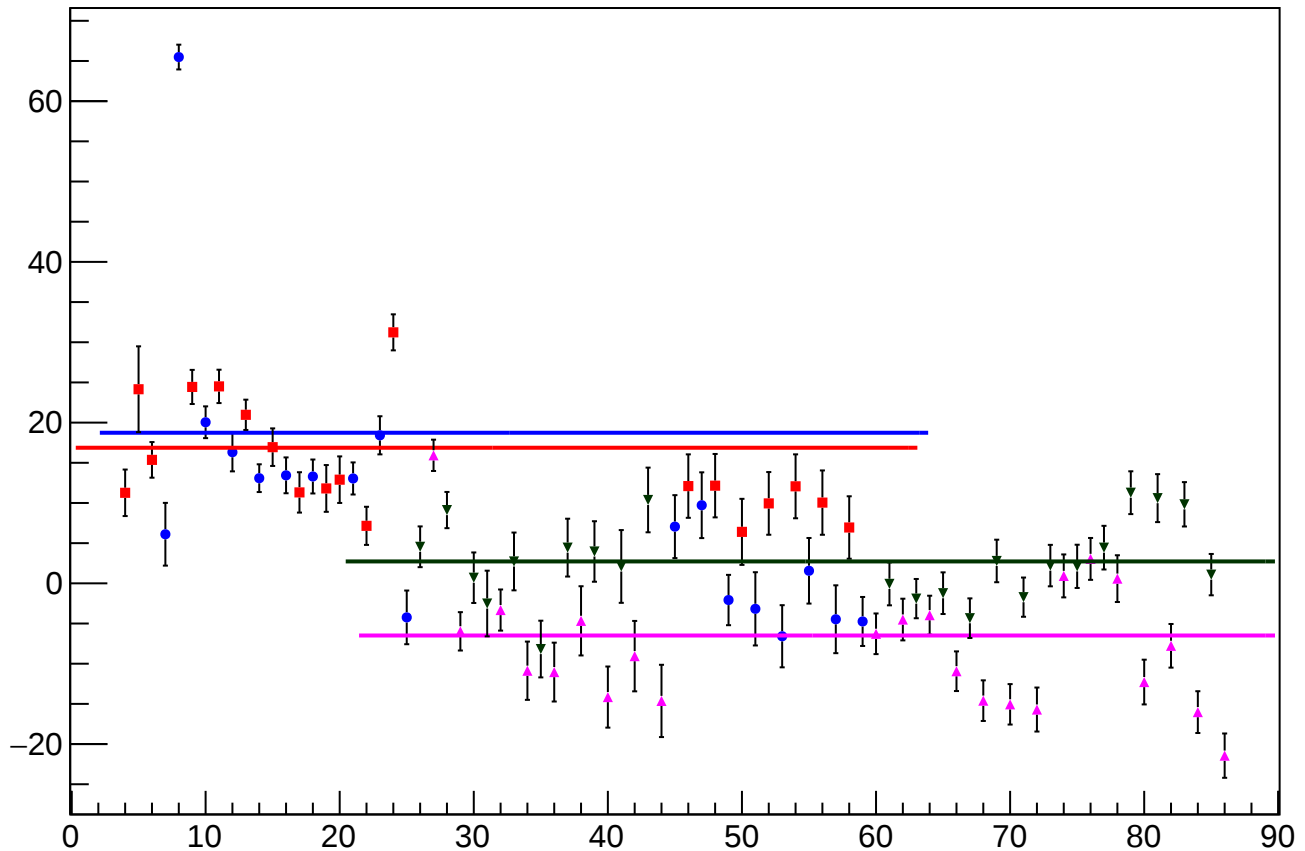
Right Out: 5644.999 ± 1.266 χ^2/NDF : 71475.4/18

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

6017.513 ± 0.887 χ^2/NDF : 459412.5/40

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: 2.726 $\pm$ 0.595 χ^2 /NDF: 67.5/22

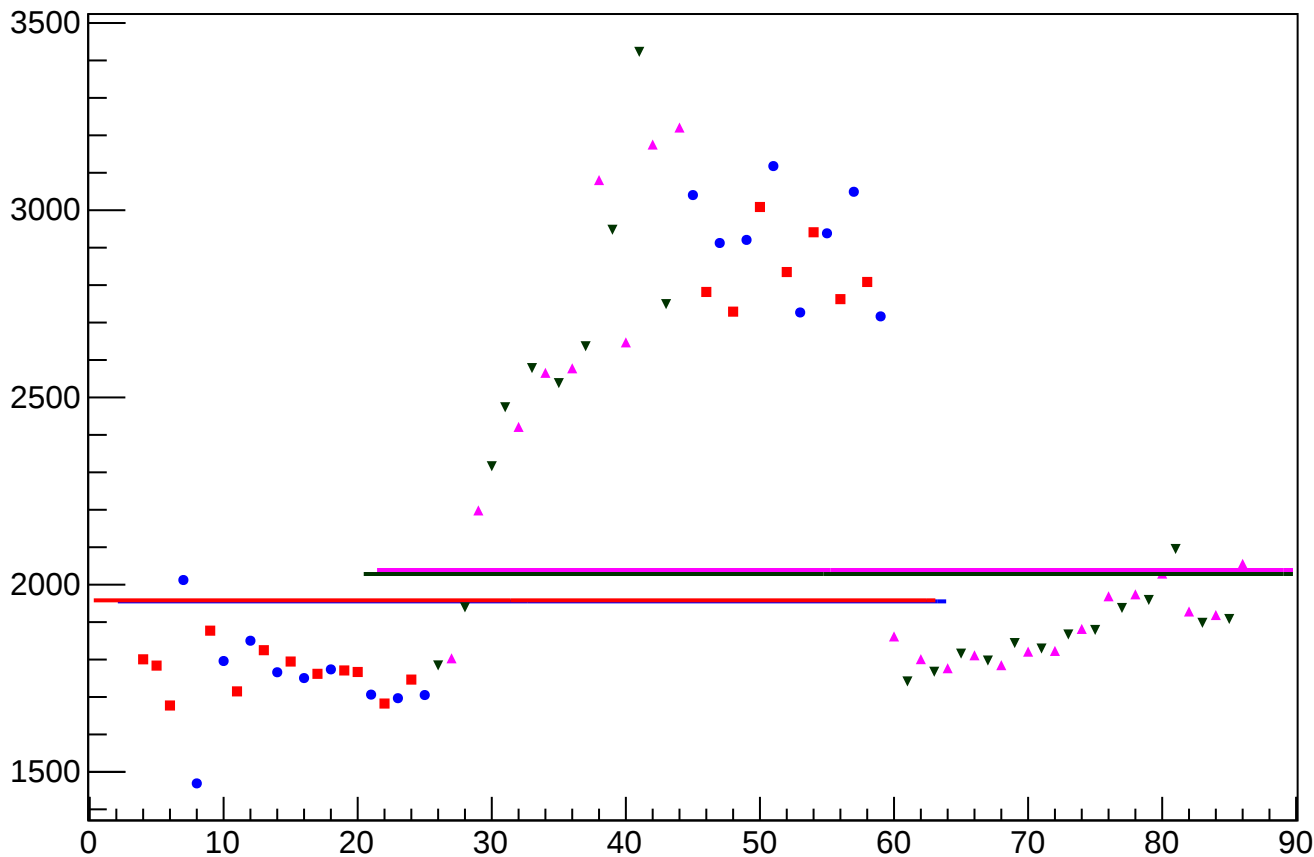
Right Out: 16.874 $\pm$ 0.633 χ^2 /NDF: 128.0/18

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

10.649 $\pm$ 0.423 χ^2 /NDF: 1666.6/40

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: 2028.482 $\pm$ 0.421 χ^2 /NDF: 708301.4/22

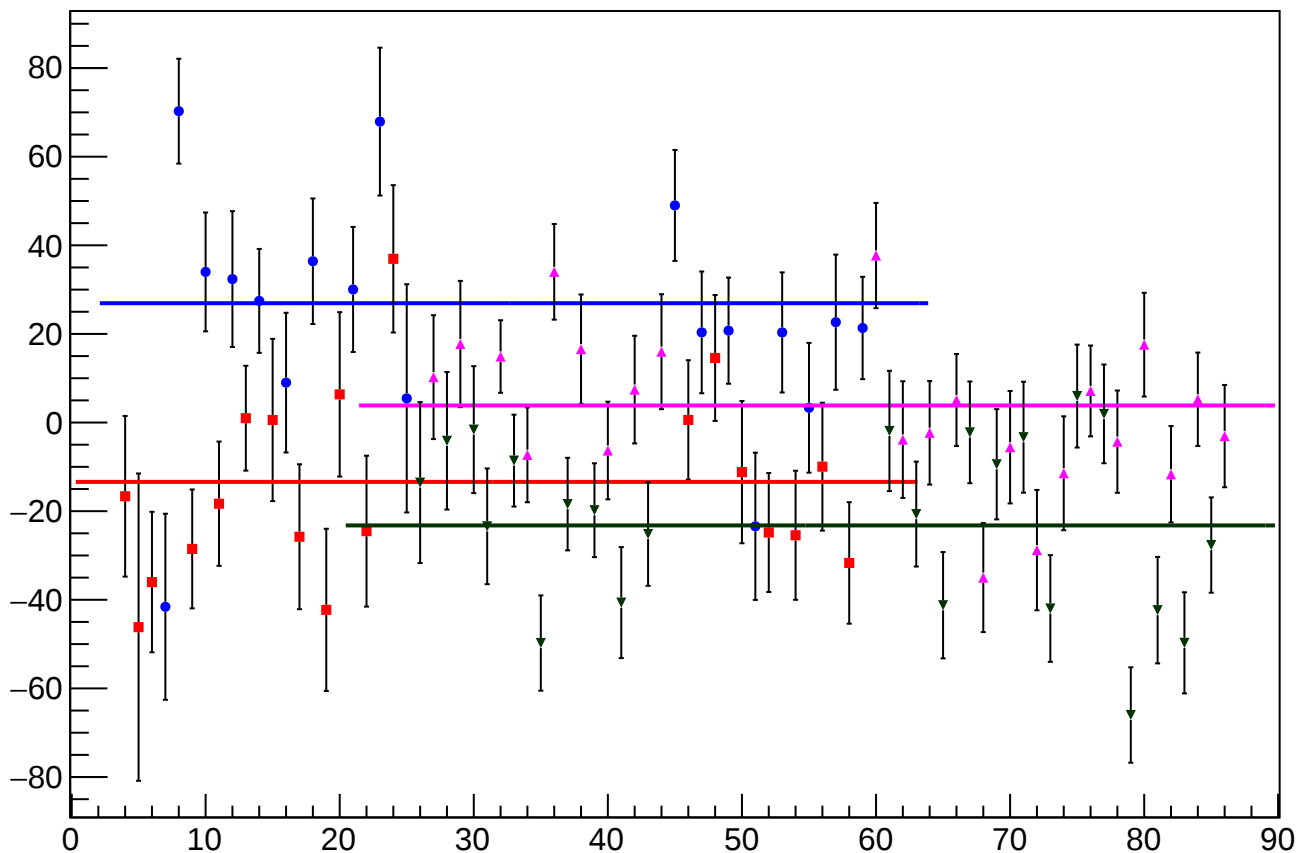
Right Out: 1958.115 $\pm$ 0.448 χ^2 /NDF: 858074.3/18

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

1992.306 $\pm$ 0.299 χ^2 /NDF: 2098903.3/40

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

diff_bpm0l06X_mean vs slug



Right In: 26.931 ± 3.337 $\chi^2/\text{NDF}: 48.9/17$

Left Out: -23.219 ± 2.486 $\chi^2/\text{NDF}: 64.0/22$

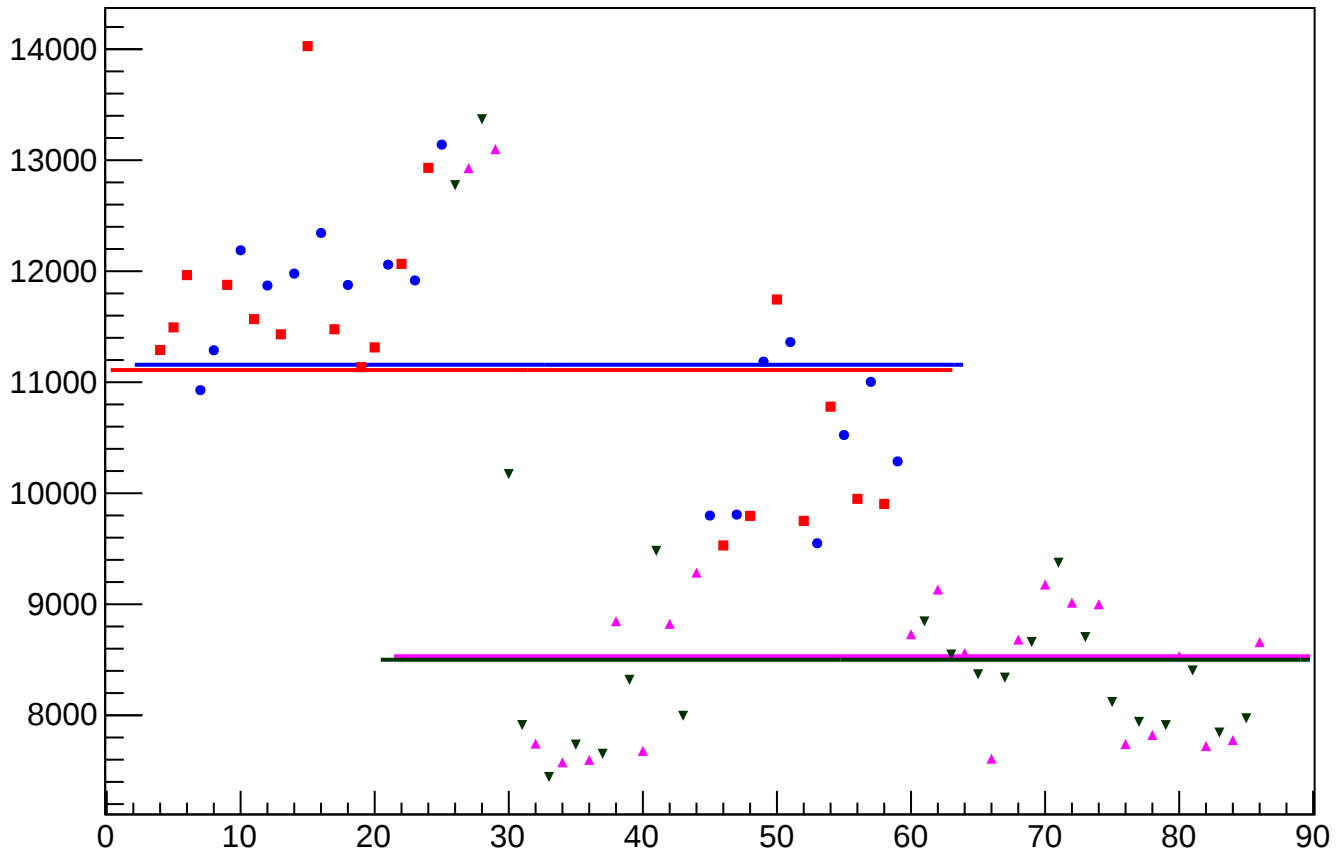
Right Out: -13.392 ± 3.535 $\chi^2/\text{NDF}: 28.4/18$

Left In: 3.855 ± 2.405 $\chi^2/\text{NDF}: 45.6/22$

-5.319 ± 1.994 $\chi^2/\text{NDF}: 258.2/40$

-1.604 ± 1.988 $\chi^2/\text{NDF}: 90.3/41$

diff_bpm0l06X_rms vs slug



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

Left Out: 8500.327 $\pm$ 1.758 χ^2 /NDF: 436799.1/22

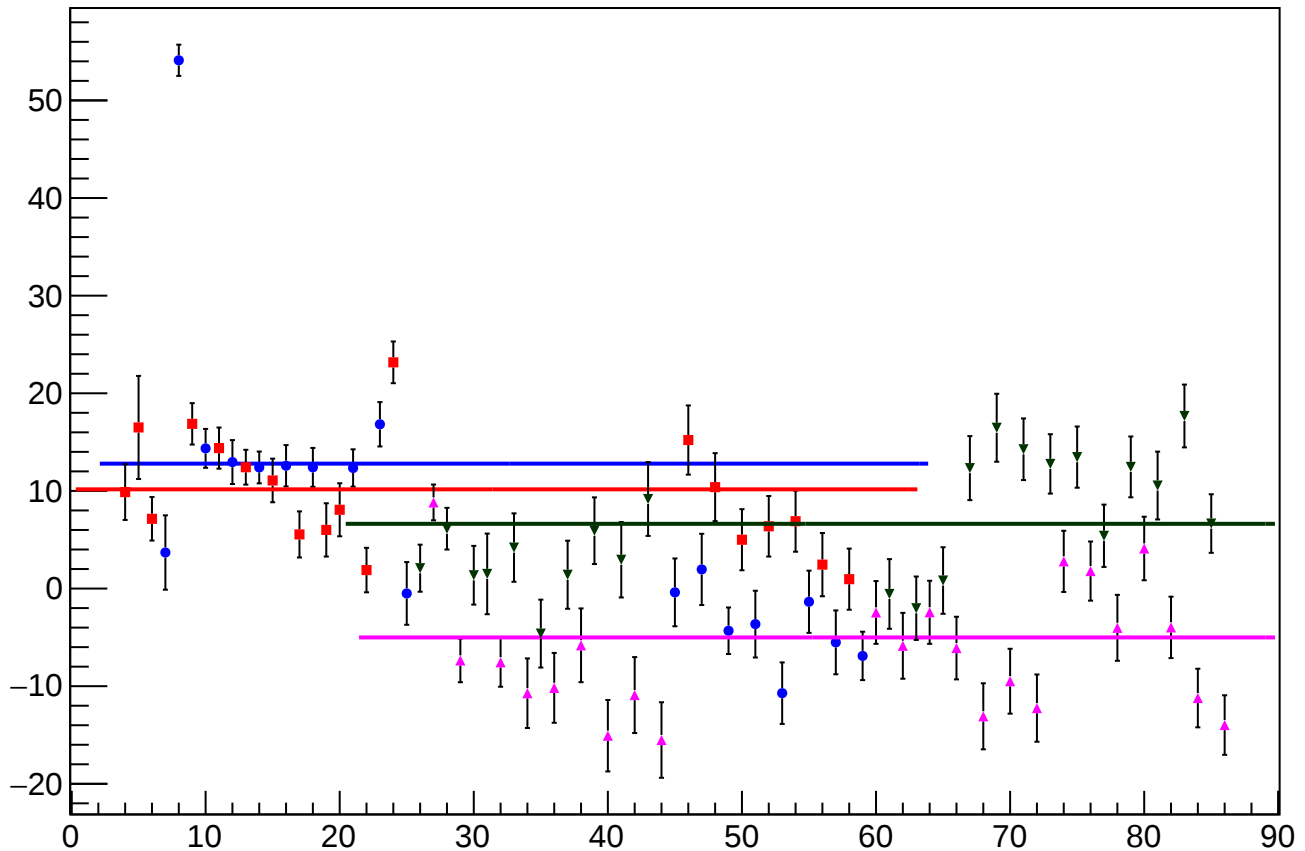
9448.710 $\pm$ 1.410 χ^2 /NDF: 1406003.6/40

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 $\pm$ 0.559 χ^2 /NDF: 961.0/17

Left Out: 6.631 $\pm$ 0.664 χ^2 /NDF: 79.2/22

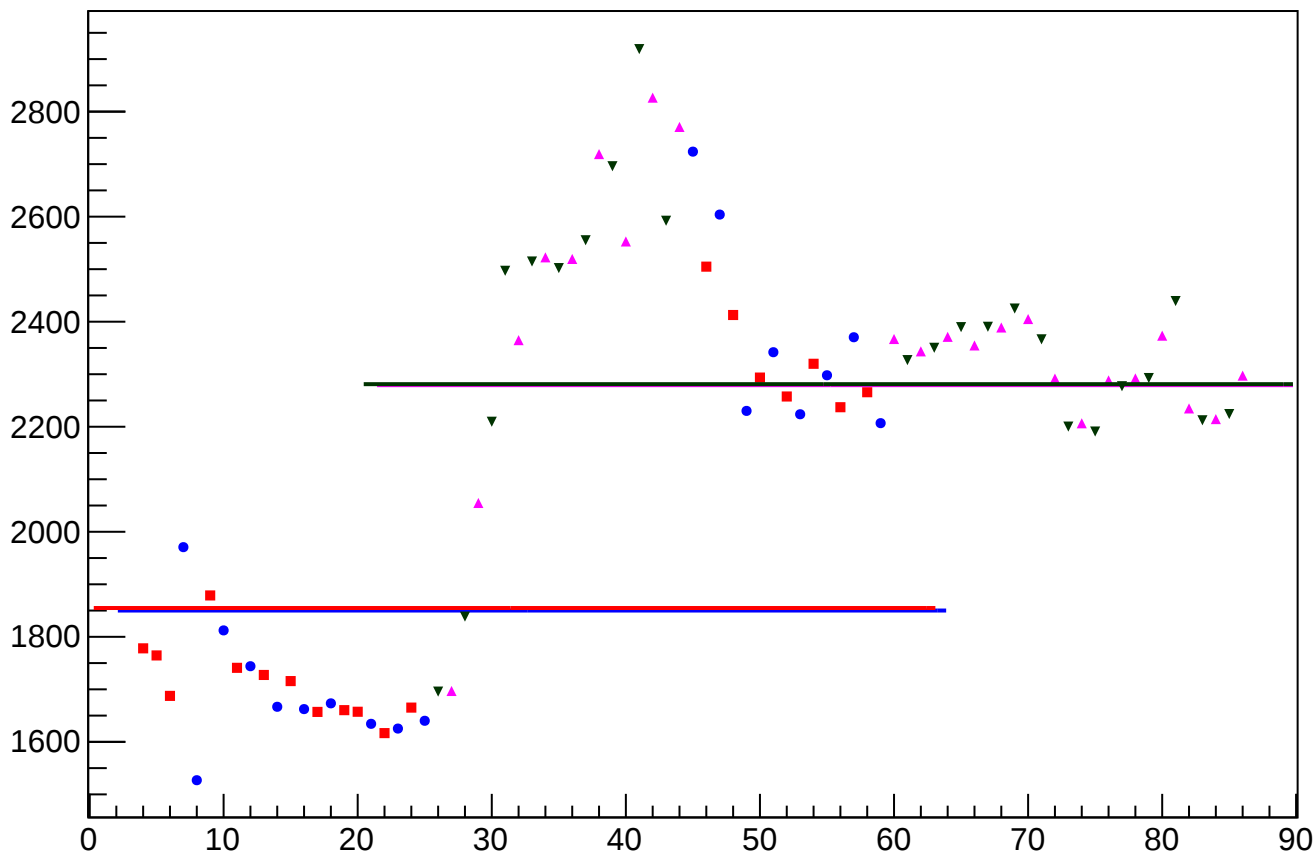
Right Out: 10.162 $\pm$ 0.592 χ^2 /NDF: 97.7/18

Left In: -5.006 $\pm$ 0.639 χ^2 /NDF: 126.6/22

10.239 $\pm$ 0.428 χ^2 /NDF: 1090.7/40

3.157 $\pm$ 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: 2281.056+/-0.470 χ^2/NDF : 356653.0/22

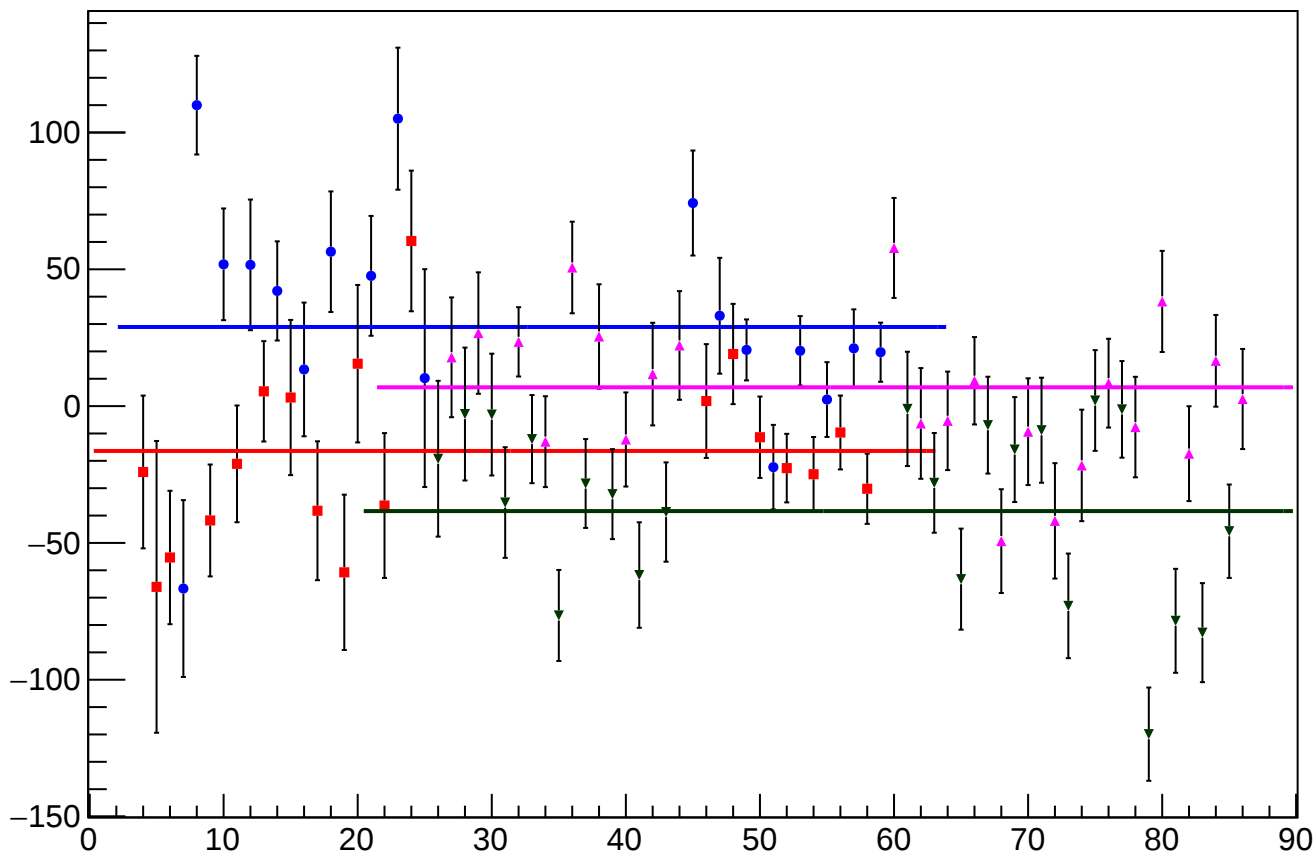
Right Out: 1854.854+/-0.419 χ^2/NDF : 407929.4/18

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

2028.744+/-0.302 χ^2/NDF : 1512634.4/40

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

diff_bpm0l07X_mean vs slug



Right In: 28.924+/-4.035 χ^2/NDF : 65.6/17

Left Out: -38.365+/-3.877 χ^2/NDF : 73.3/22

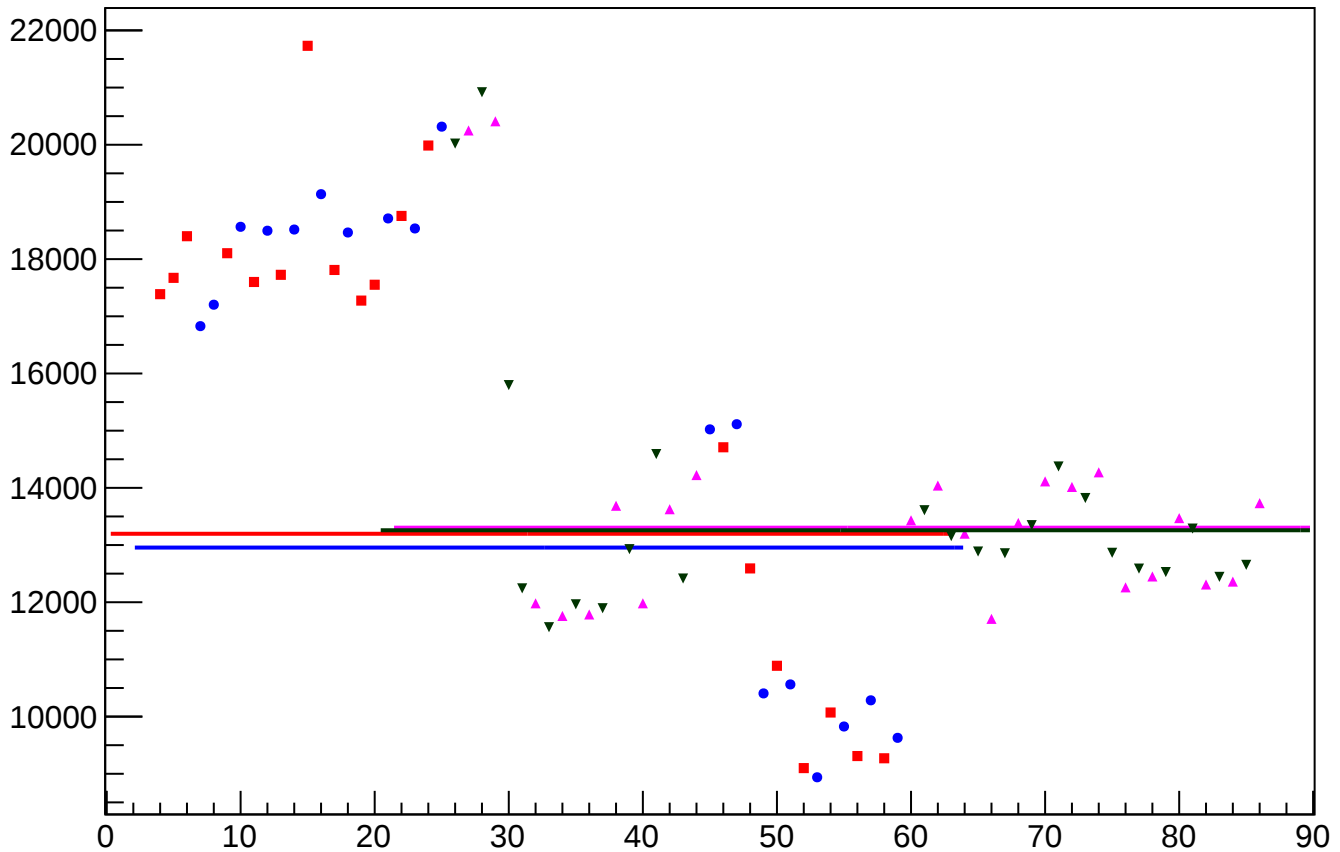
Right Out: -16.388+/-4.377 χ^2/NDF : 27.5/18

Left In: 6.877+/-3.750 χ^2/NDF : 45.2/22

-6.066+/-2.796 χ^2/NDF : 283.6/40

-2.971+/-2.848 χ^2/NDF : 89.1/41

diff_bpm0l07X_rms vs slug



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

Left Out: 13258.629+/-2.741 χ^2/NDF : 430993.4/22

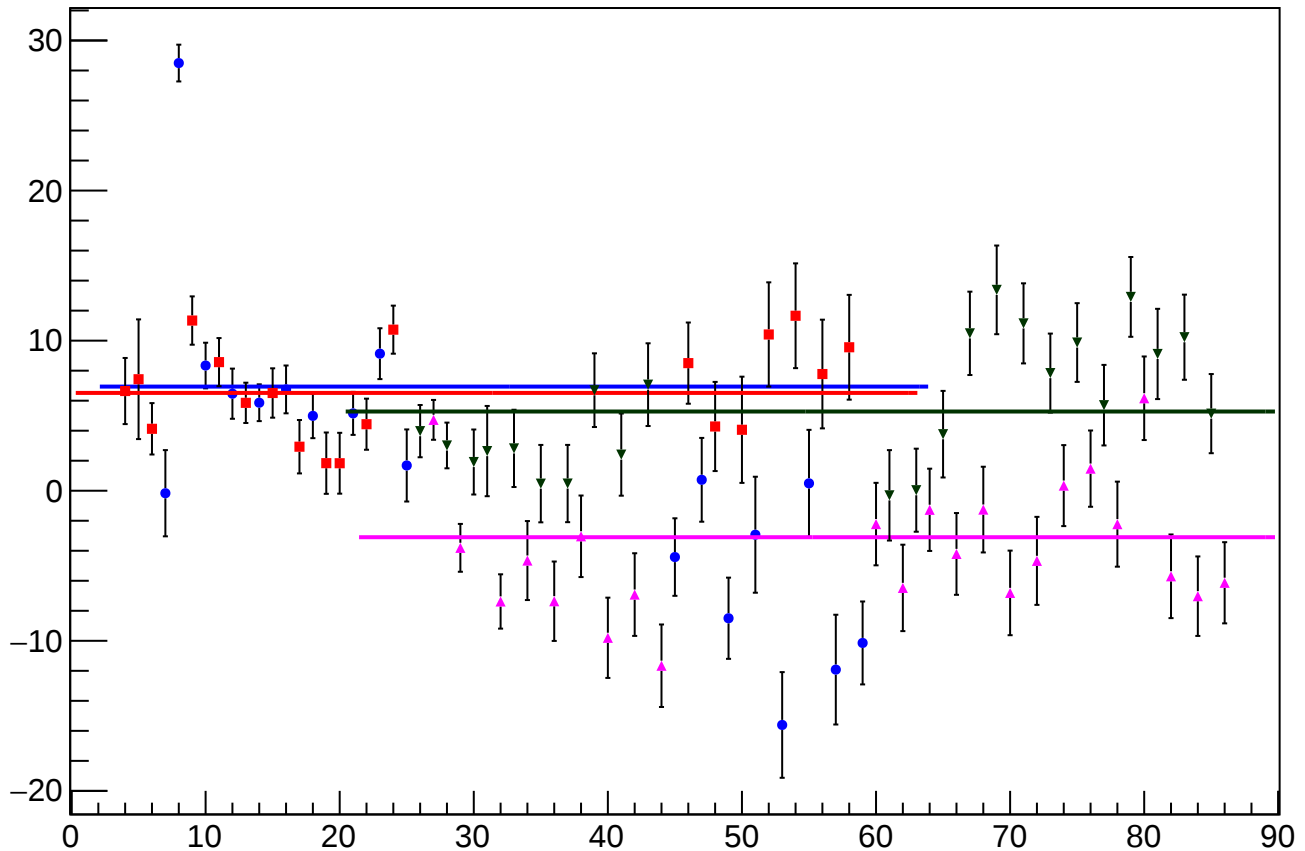
13113.325+/-1.977 χ^2/NDF : 2337481.2/40

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: 5.278 ± 0.523 $\chi^2/\text{NDF}: 55.8/22$

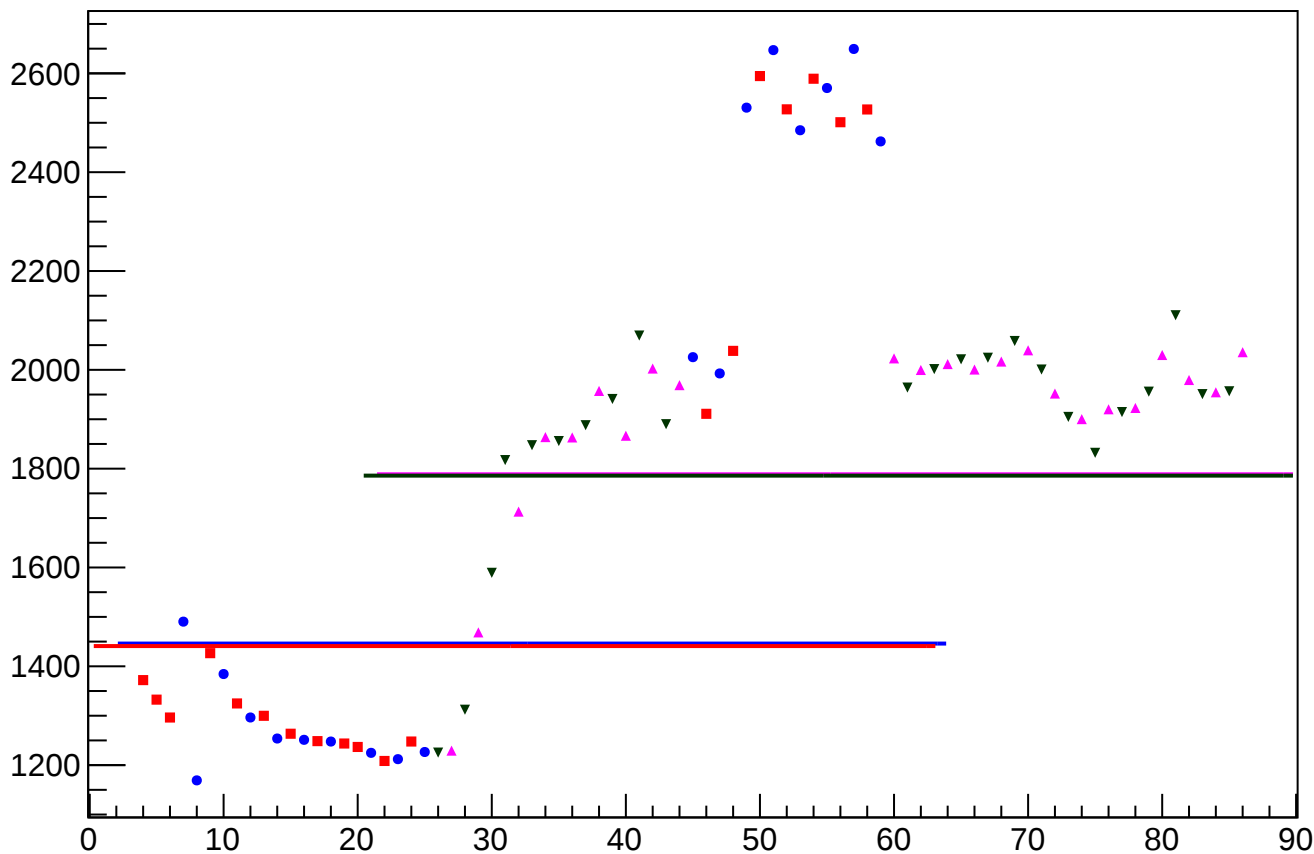
Right Out: 6.517 ± 0.472 $\chi^2/\text{NDF}: 41.8/18$

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

6.232 ± 0.341 $\chi^2/\text{NDF}: 561.2/40$

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: 1785.907+/-0.369 χ^2/NDF : 588656.8/22

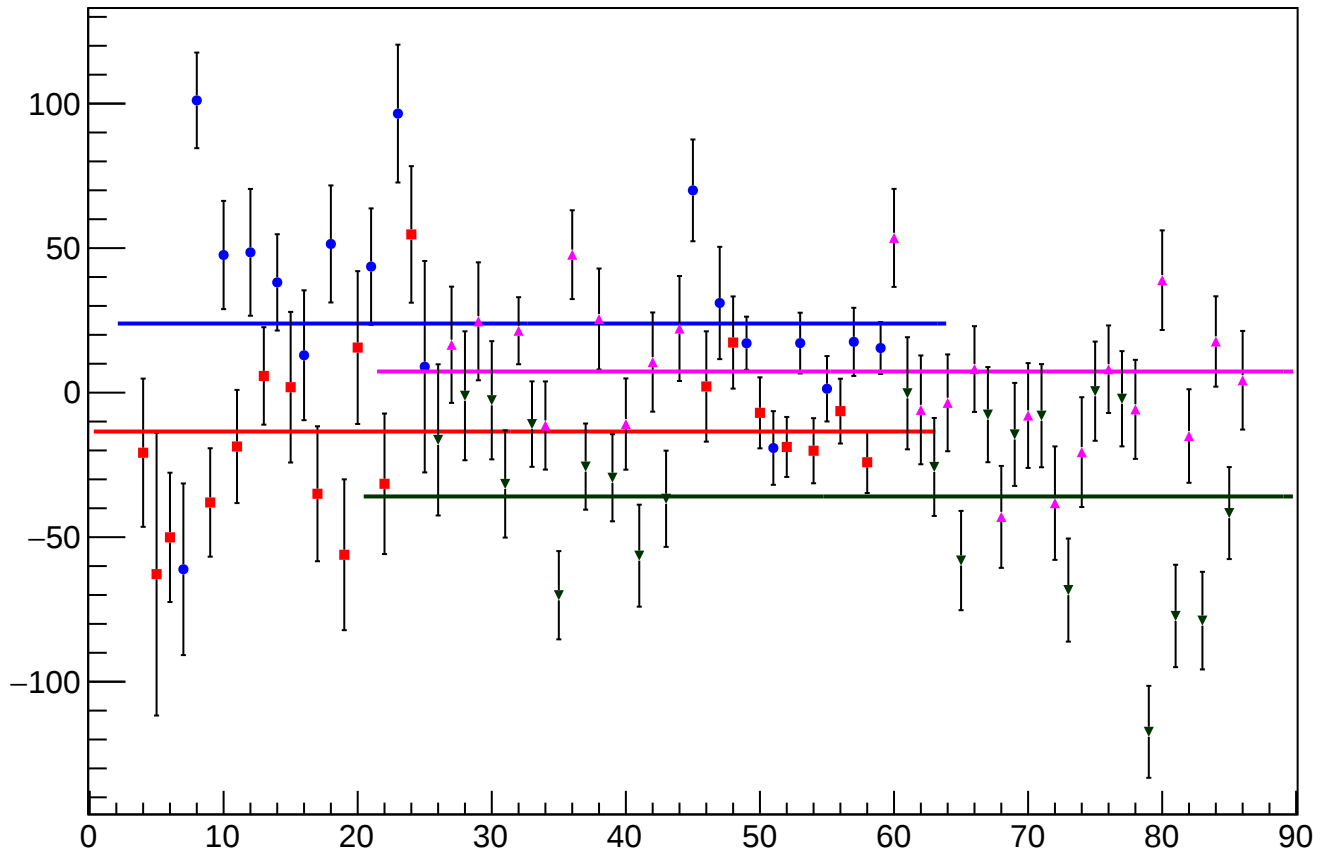
Right Out: 1440.962+/-0.333 χ^2/NDF : 1333198.7/18

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

1590.601+/-0.241 χ^2/NDF : 2966349.4/40

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

diff_bpm0l08X_mean vs slug



Right In: 23.908 ± 3.470 χ^2/NDF : 70.6/17

Left Out: -35.920 ± 3.587 χ^2/NDF : 78.2/22

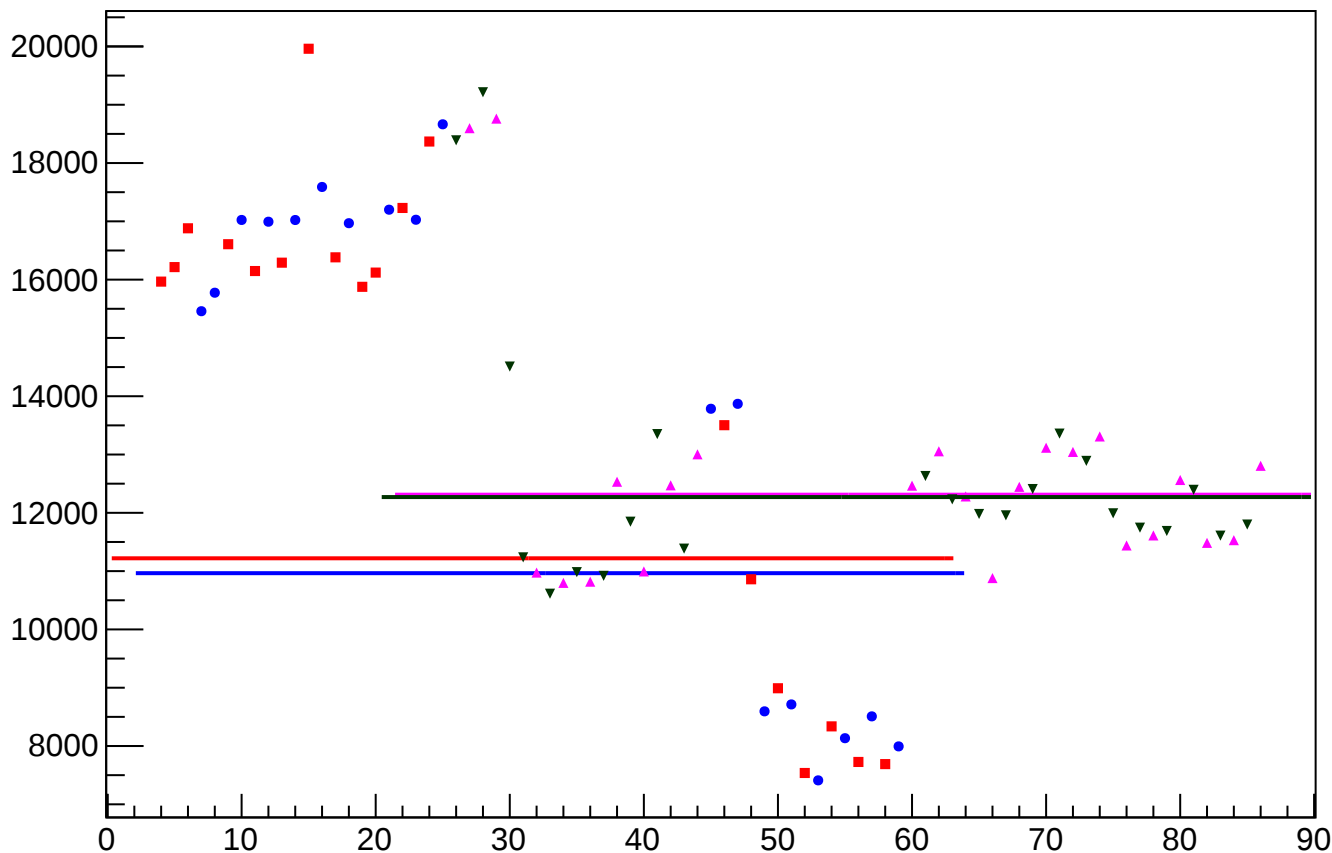
-5.010 ± 2.494 χ^2/NDF : 292.5/40

Right Out: -13.450 ± 3.783 χ^2/NDF : 27.5/18

-2.172 ± 2.557 χ^2/NDF : 88.9/41

Left In: 7.313 ± 3.469 χ^2/NDF : 45.0/22

diff_bpm0l08X_rms vs slug



Right In: 10964.744 $\pm$ 2.454 χ^2 /NDF: 2550839.7/17

Left Out: 12270.404 $\pm$ 2.537 χ^2 /NDF:426223.3/22

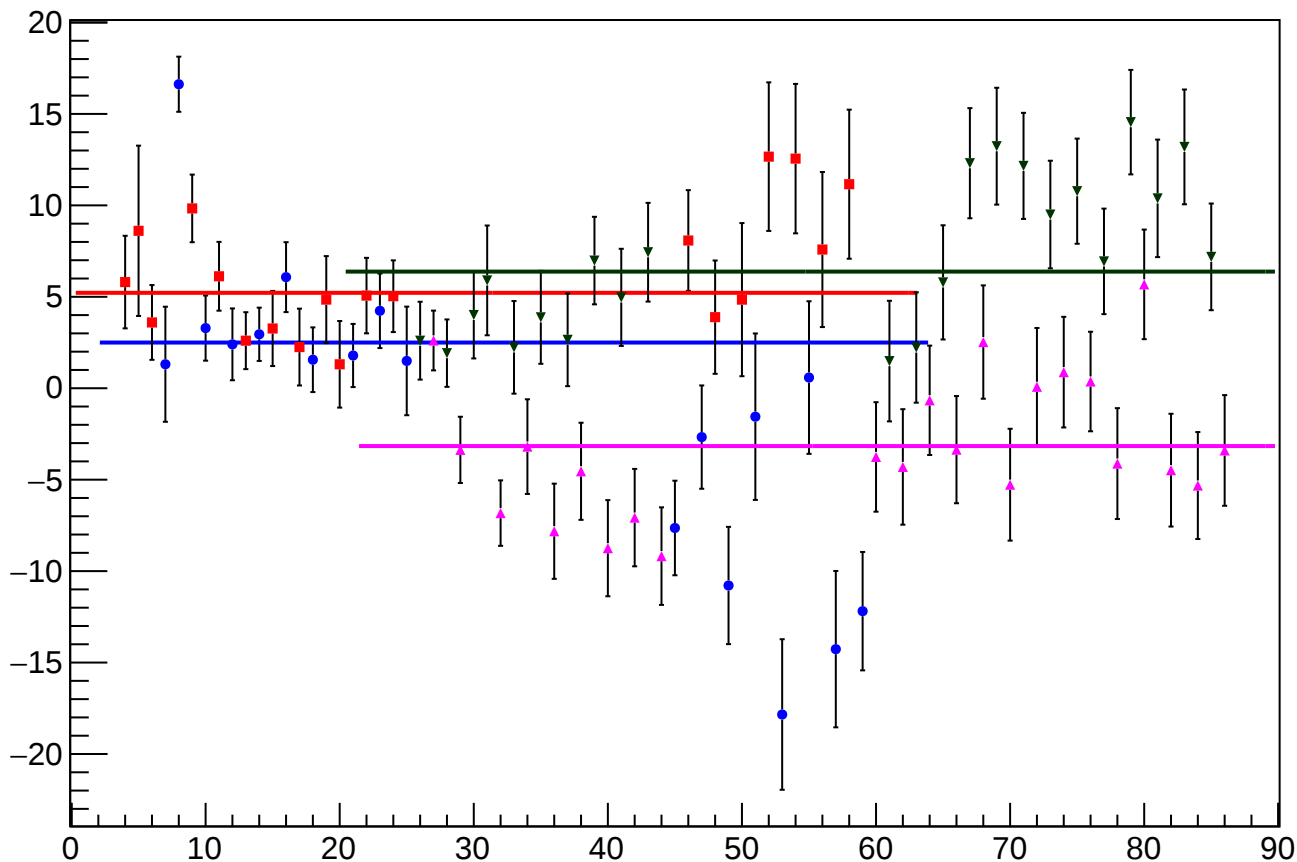
Right Out: 11219.959 $\pm$ 2.675 χ^2 /NDF: 2343952.2/18

Left In: 12311.051 $\pm$ 2.453 χ^2 /NDF:534397.9/22

11595.838 $\pm$ 1.764 χ^2 /NDF: 3113933.3/40

11812.615 $\pm$ 1.808 χ^2 /NDF: 2968709.9/41

diff_bpm0l08Y_mean vs slug



Right In: 2.499 ± 0.530 χ^2/NDF : 190.3/17

Left Out: 6.378 ± 0.563 χ^2/NDF : 50.9/22

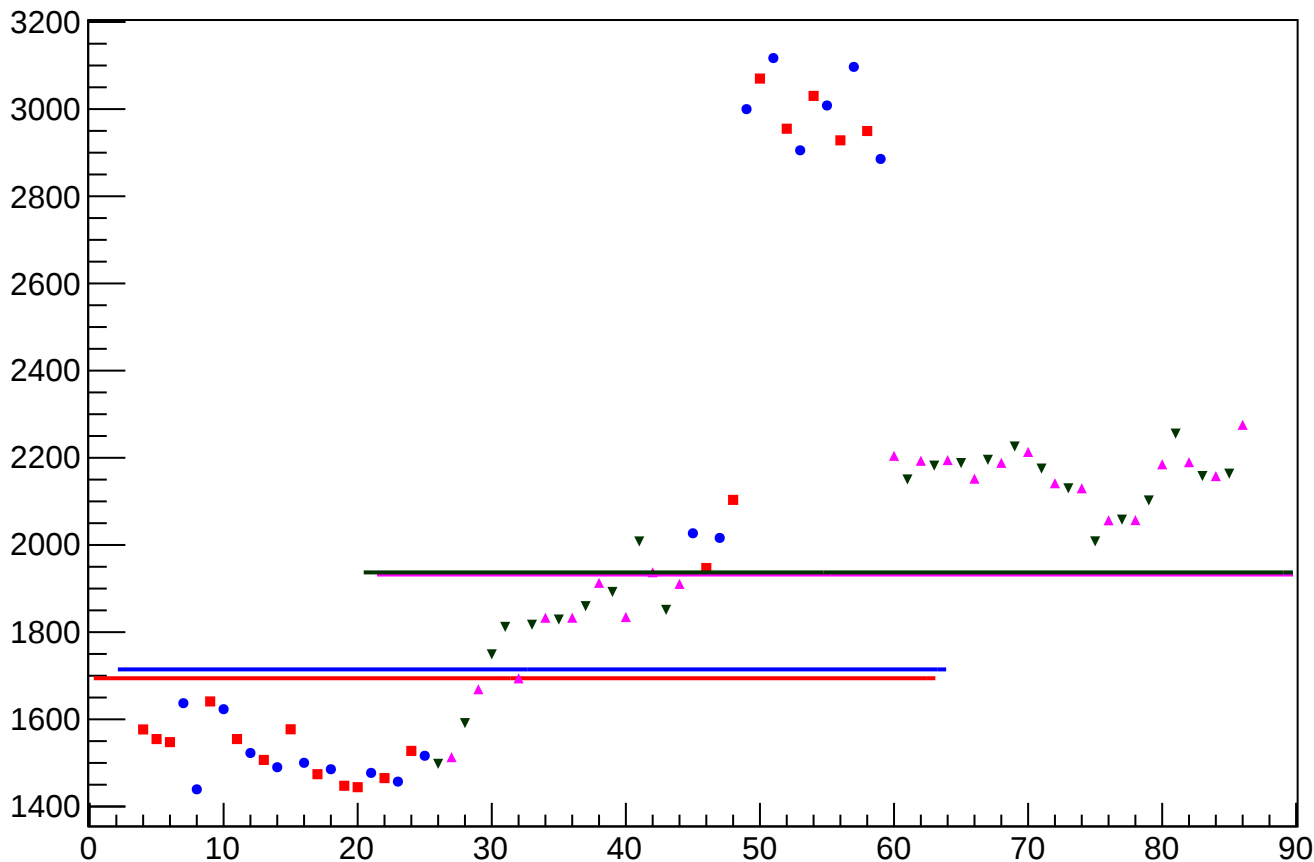
Right Out: 5.218 ± 0.553 χ^2/NDF : 26.5/18

Left In: -3.162 ± 0.542 χ^2/NDF : 50.7/22

4.320 ± 0.386 χ^2/NDF : 266.4/40

0.948 ± 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: 1937.062+/-0.398 χ^2/NDF : 326340.9/22

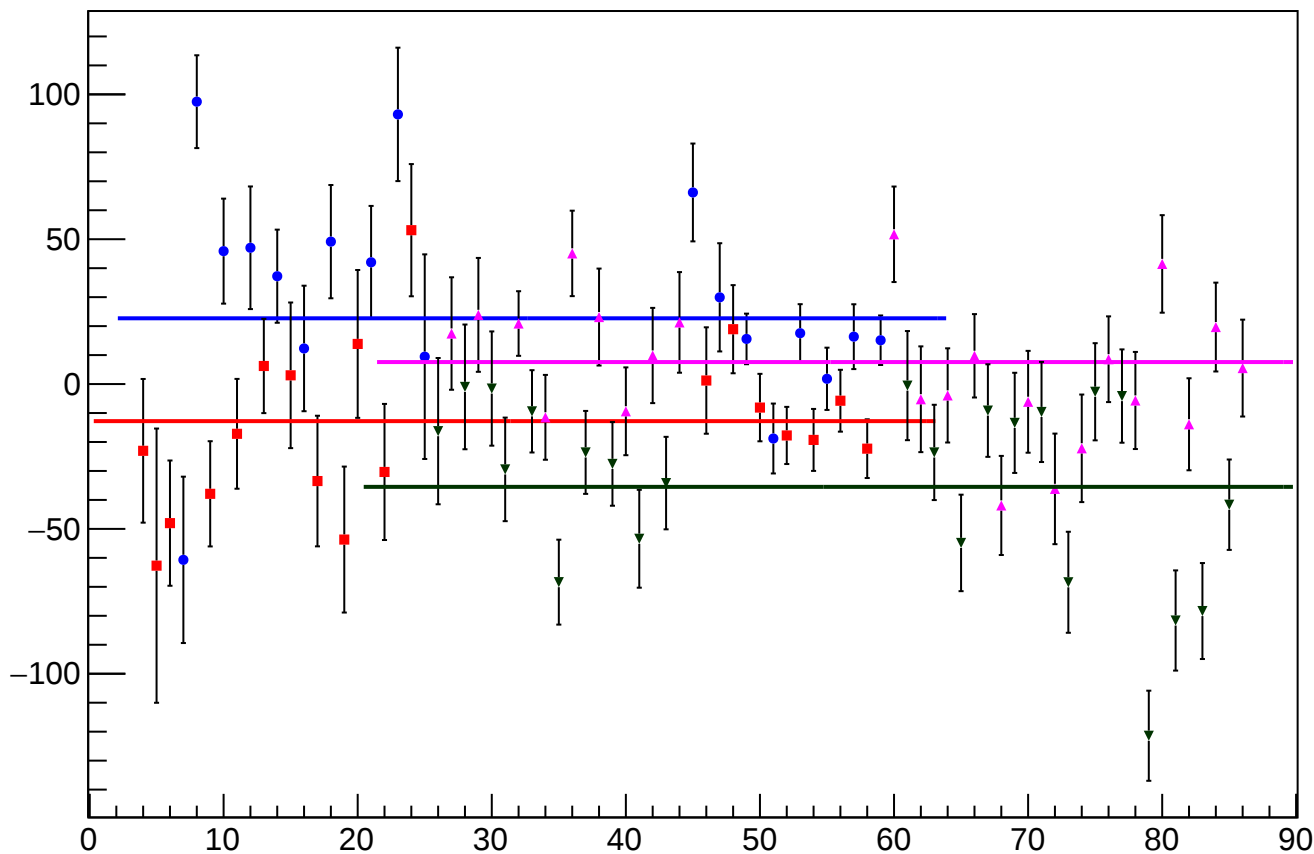
Right Out: 1694.263+/-0.391 χ^2/NDF : 1202765.8/18

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

1819.046+/-0.273 χ^2/NDF : 2162532.5/40

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: -35.489 ± 3.475 $\chi^2/\text{NDF}: 84.3/22$

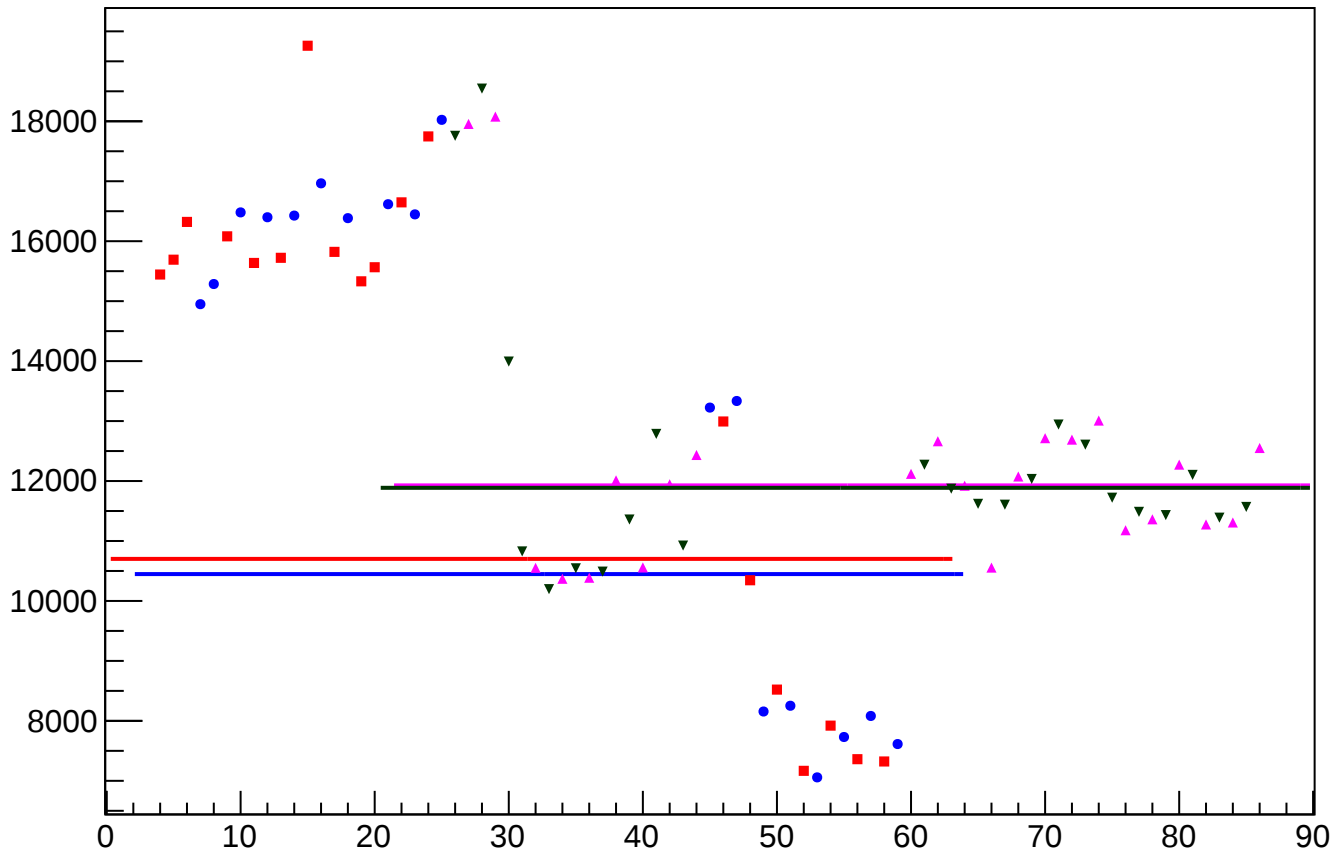
Right Out: -12.799 ± 3.618 $\chi^2/\text{NDF}: 28.2/18$

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

-5.021 ± 2.399 $\chi^2/\text{NDF}: 302.0/40$

-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: 11886.951+/-2.457 χ^2/NDF : 428108.2/22

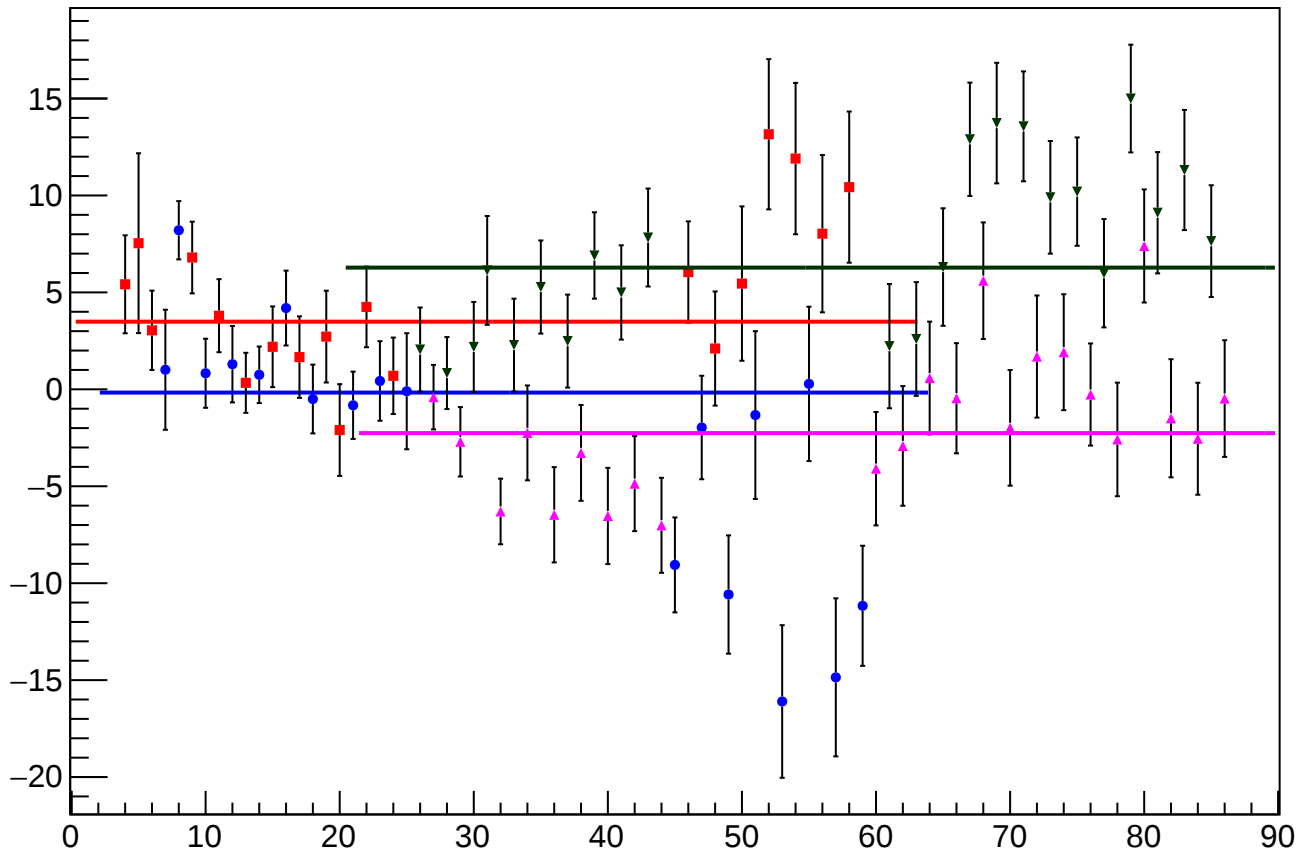
11133.567+/-1.696 χ^2/NDF : 3262253.0/40

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: 6.278 ± 0.545 χ^2/NDF : 59.4/22

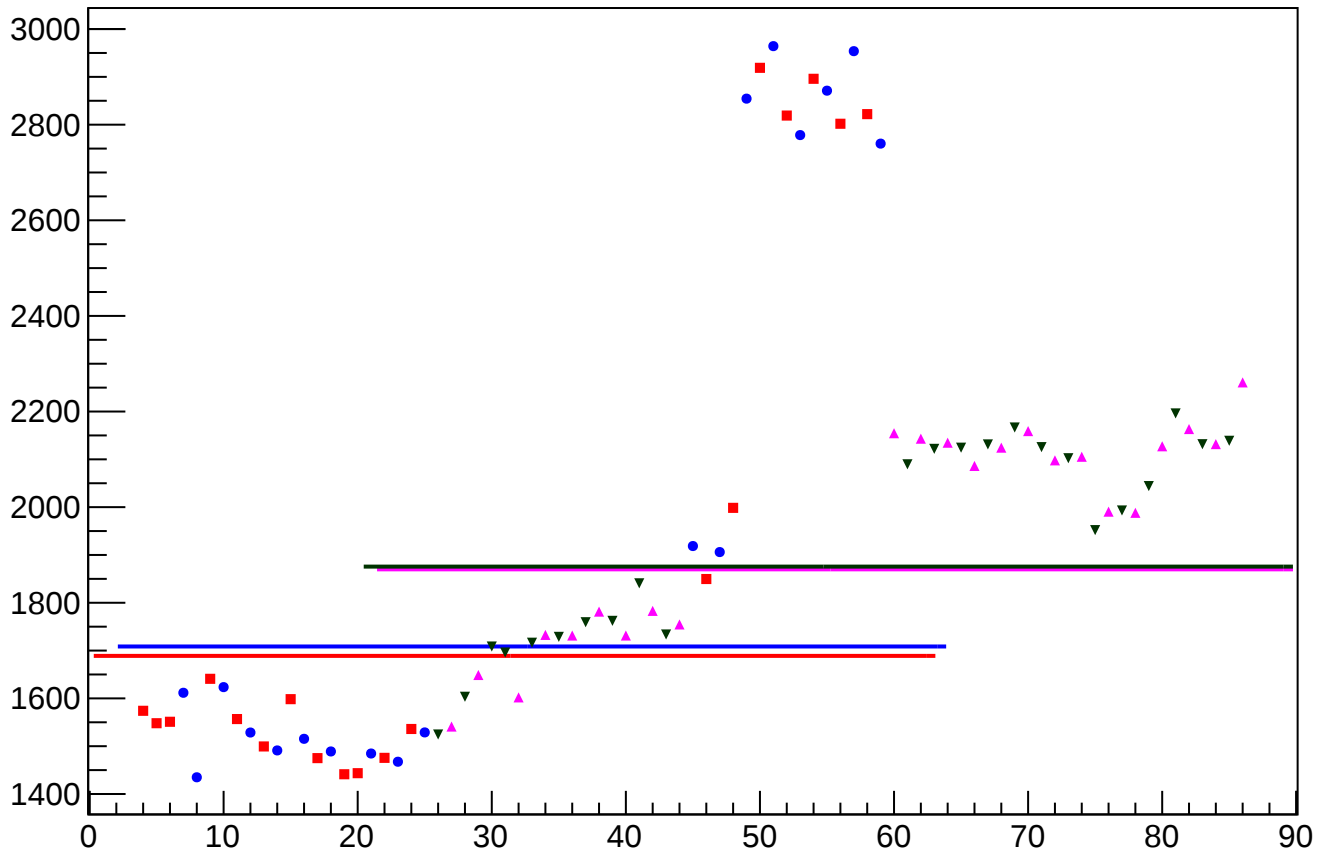
Right Out: 3.490 ± 0.549 χ^2/NDF : 34.4/18

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

2.938 ± 0.378 χ^2/NDF : 237.0/40

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: 1875.635+/-0.386 χ^2/NDF : 307747.3/22

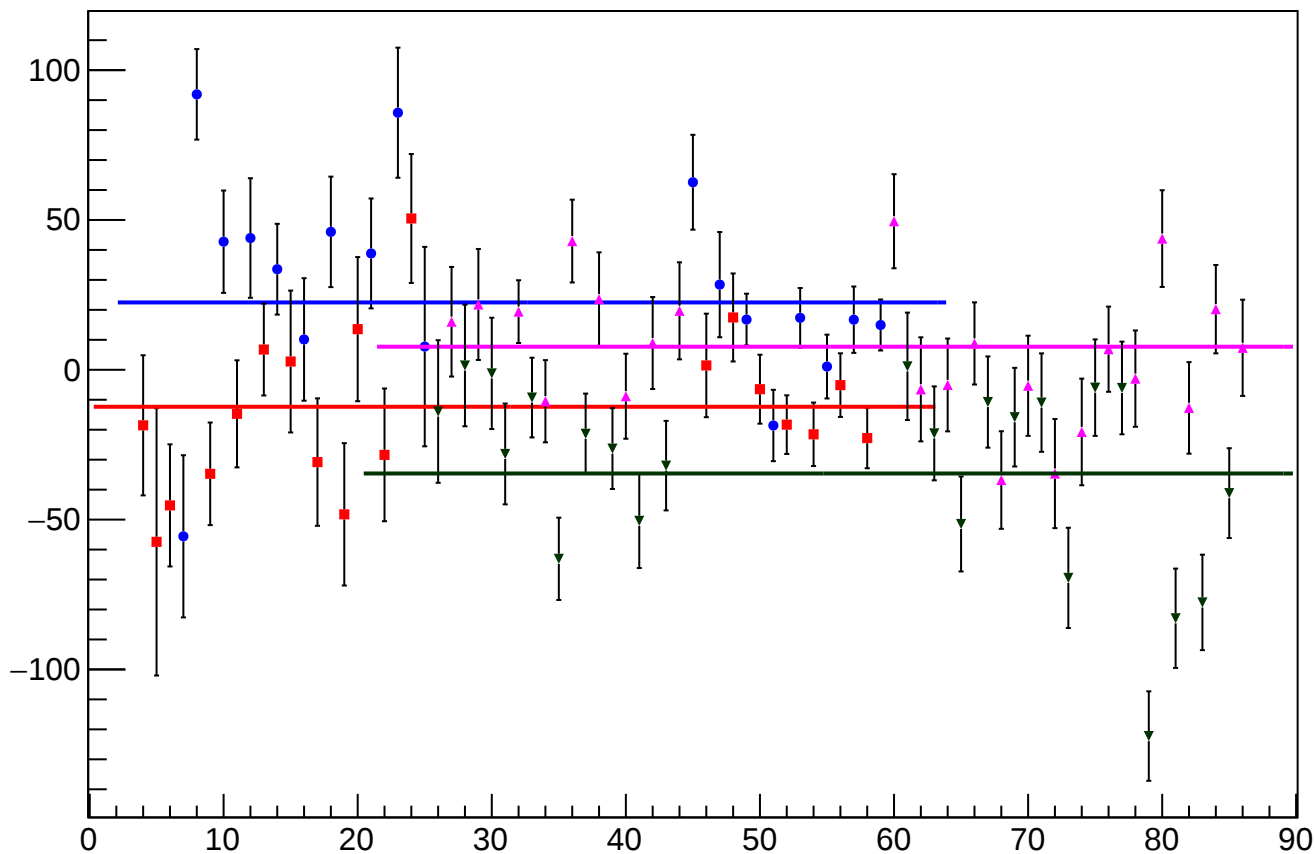
1789.045+/-0.268 χ^2/NDF : 1869640.4/40

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: -34.608 ± 3.294 $\chi^2/\text{NDF}: 90.7/22$

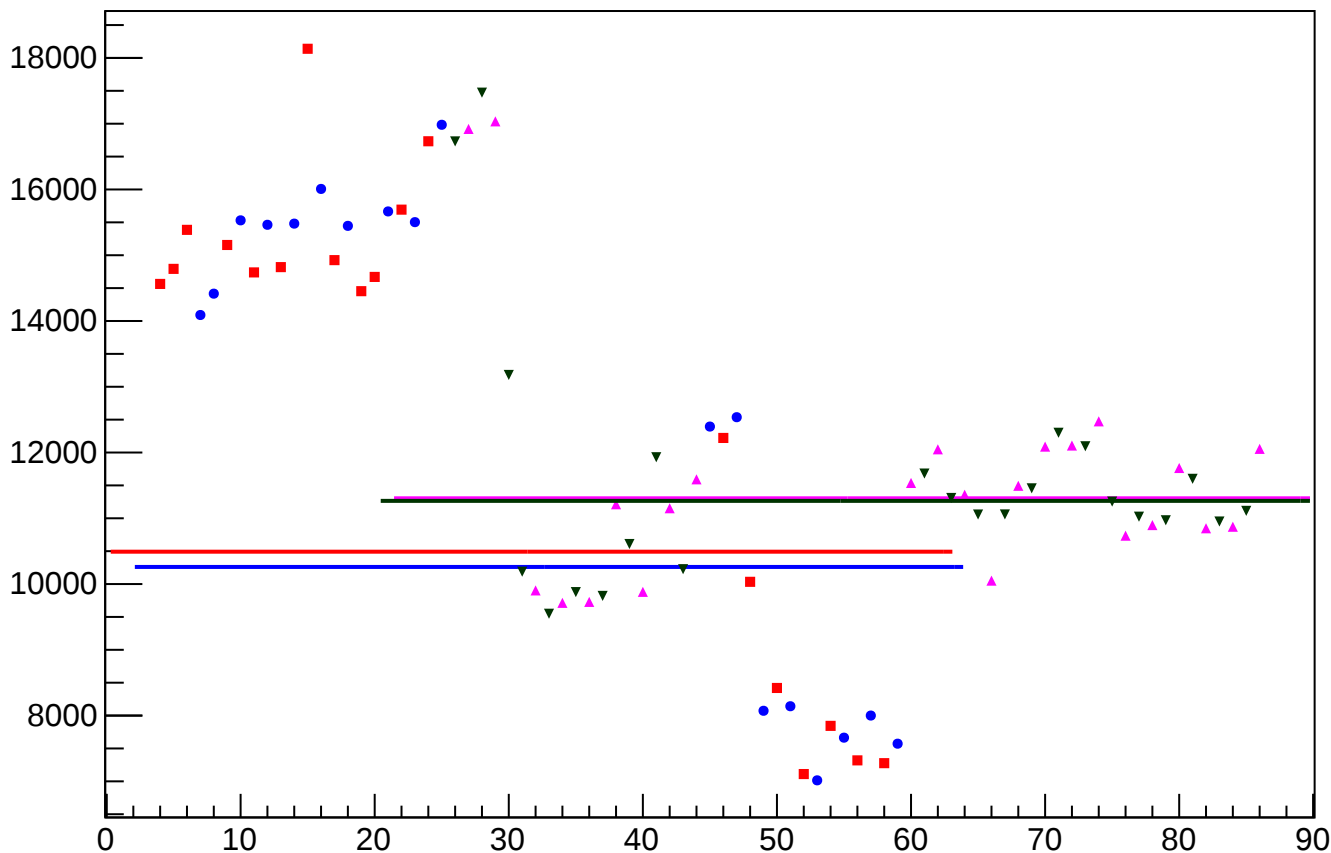
Right Out: -12.340 ± 3.516 $\chi^2/\text{NDF}: 28.3/18$

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

-5.487 ± 2.305 $\chi^2/\text{NDF}: 312.2/40$

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

diff_bpm0l10X_rms vs slug



Right In: 10260.138+/-2.282 χ^2/NDF : 2319999.2/17

Left Out: 11264.866+/-2.329 χ^2/NDF : 435244.5/22

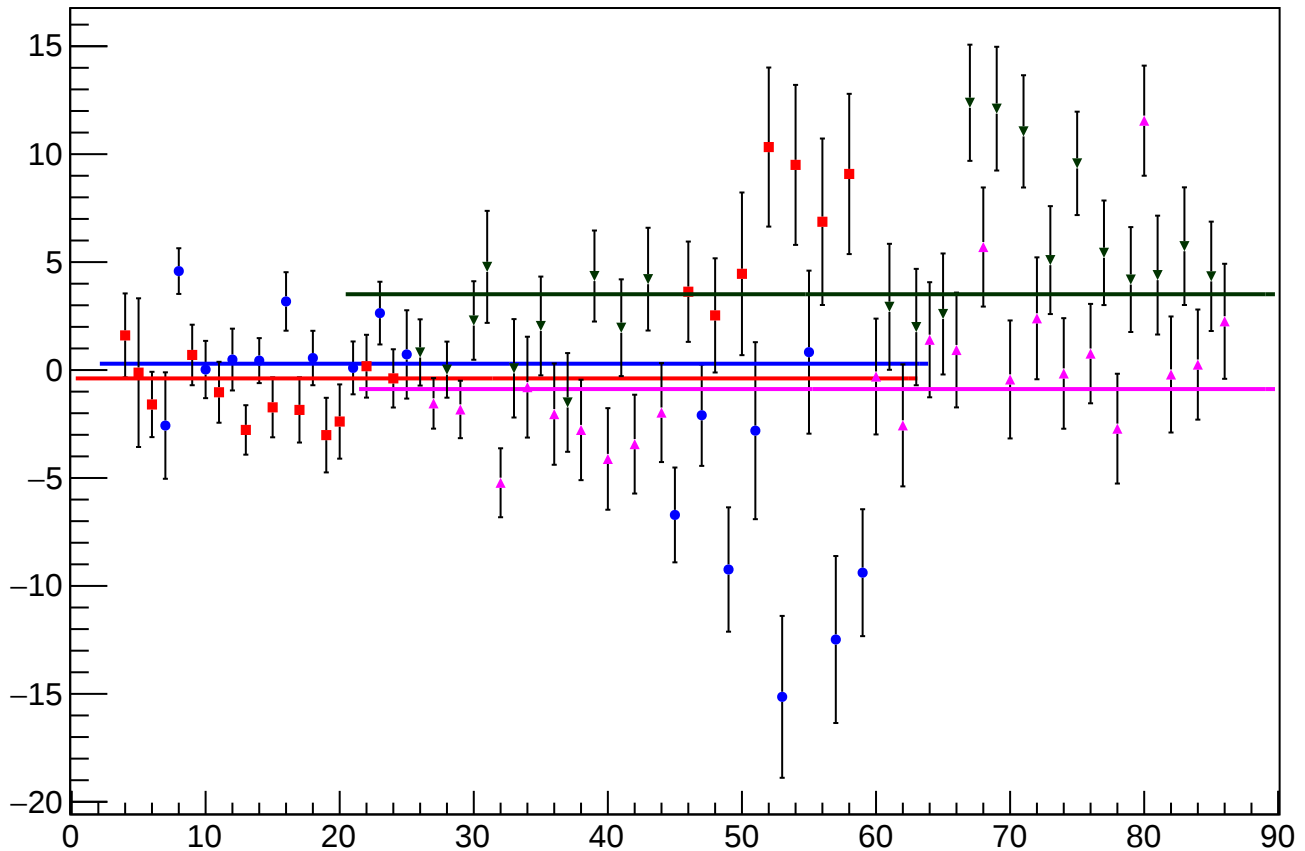
10752.342+/-1.630 χ^2/NDF : 2850168.3/40

Right Out: 10492.088+/-2.487 χ^2/NDF : 2138865.4/18

10937.910+/-1.669 χ^2/NDF : 2739137.3/41

Left In: 11303.846+/-2.253 χ^2/NDF : 541737.5/22

diff_bpm0l10Y_mean vs slug



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

Left Out: 3.512 ± 0.470 χ^2/NDF : 56.4/22

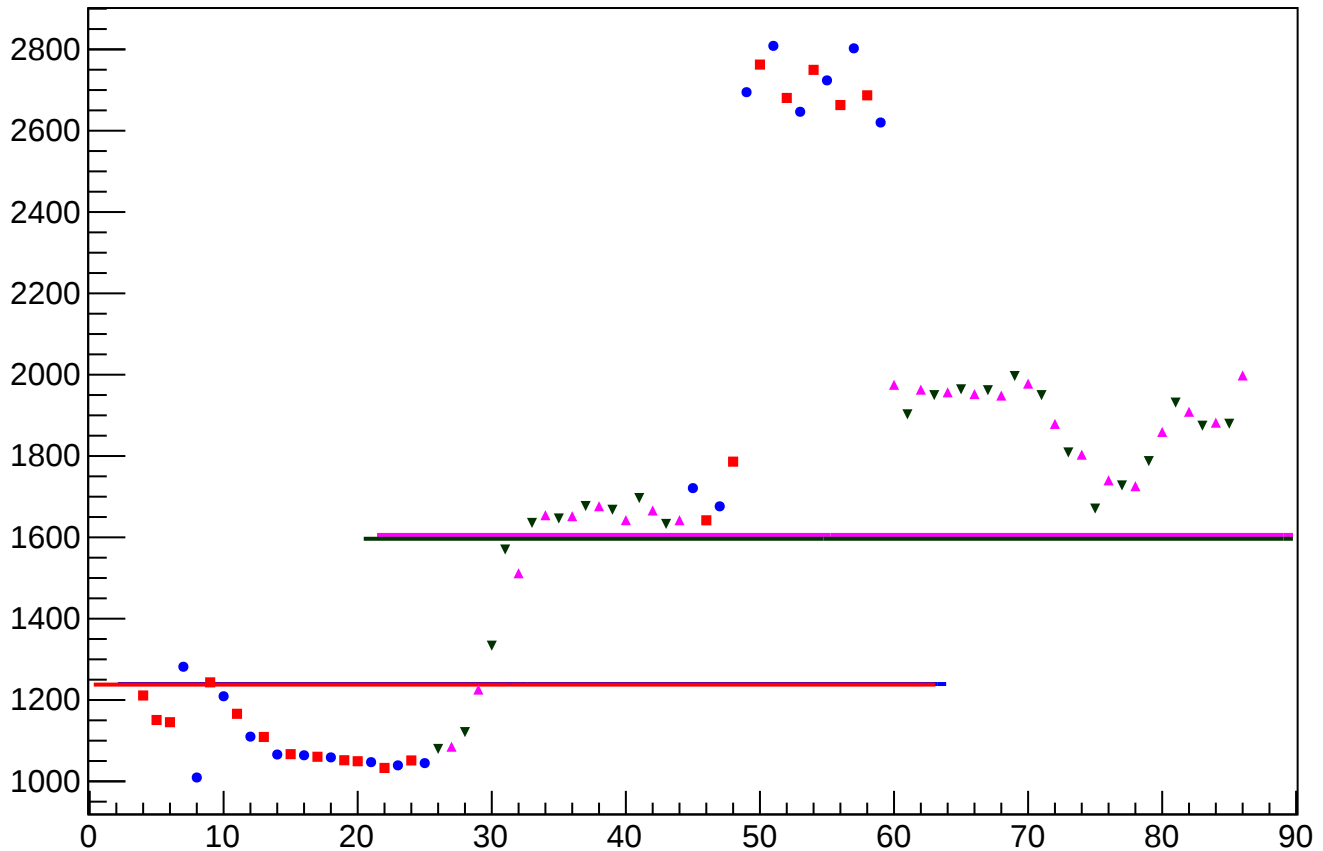
Right Out: -0.388 ± 0.412 χ^2/NDF : 44.0/18

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

1.617 ± 0.301 χ^2/NDF : 170.5/40

-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: 1596.529 $\pm$ 0.332 χ^2 /NDF:861163.9/22

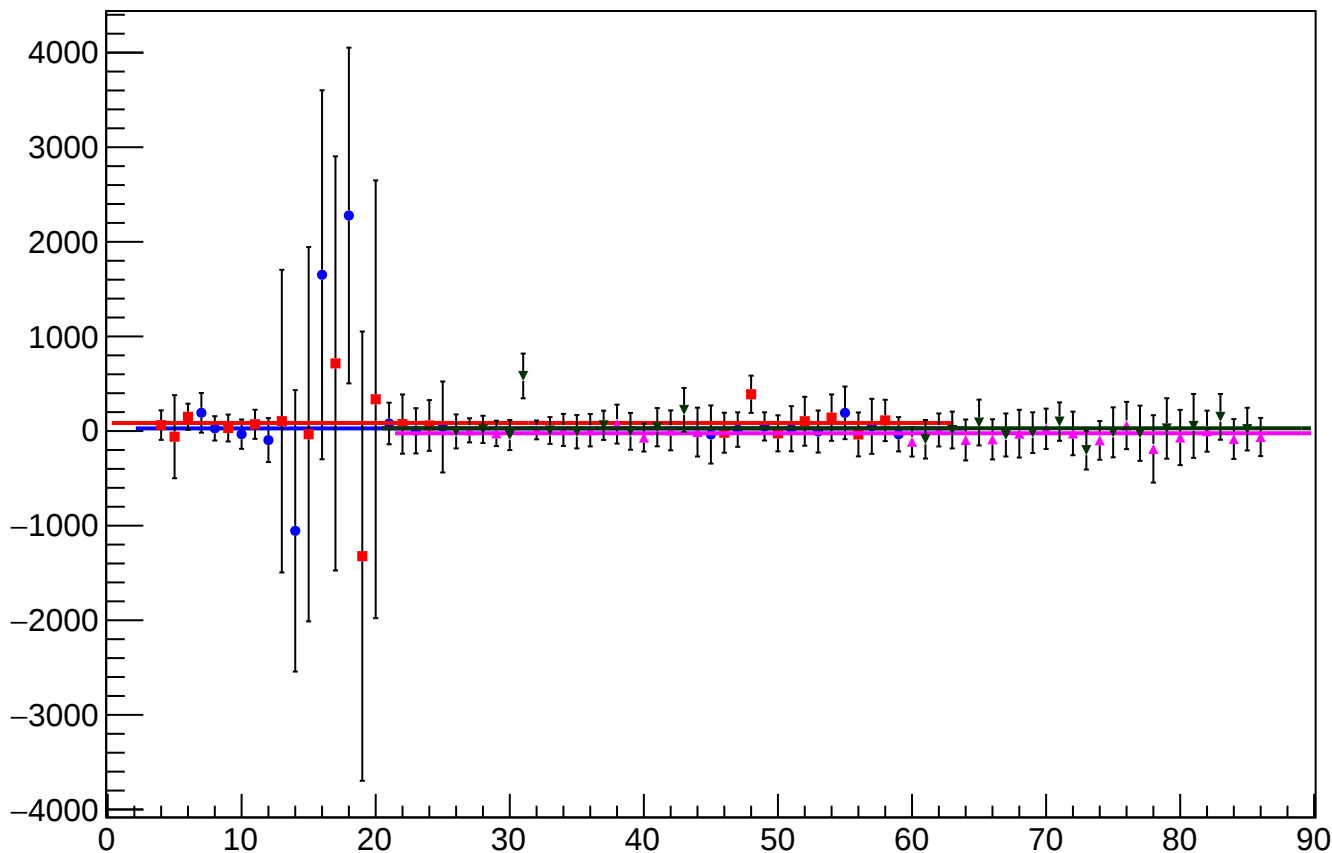
1386.271 $\pm$ 0.213 χ^2 /NDF: 4217384.2/40

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

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

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

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: 29.186+/-41.975 χ^2/NDF : 8.8/22

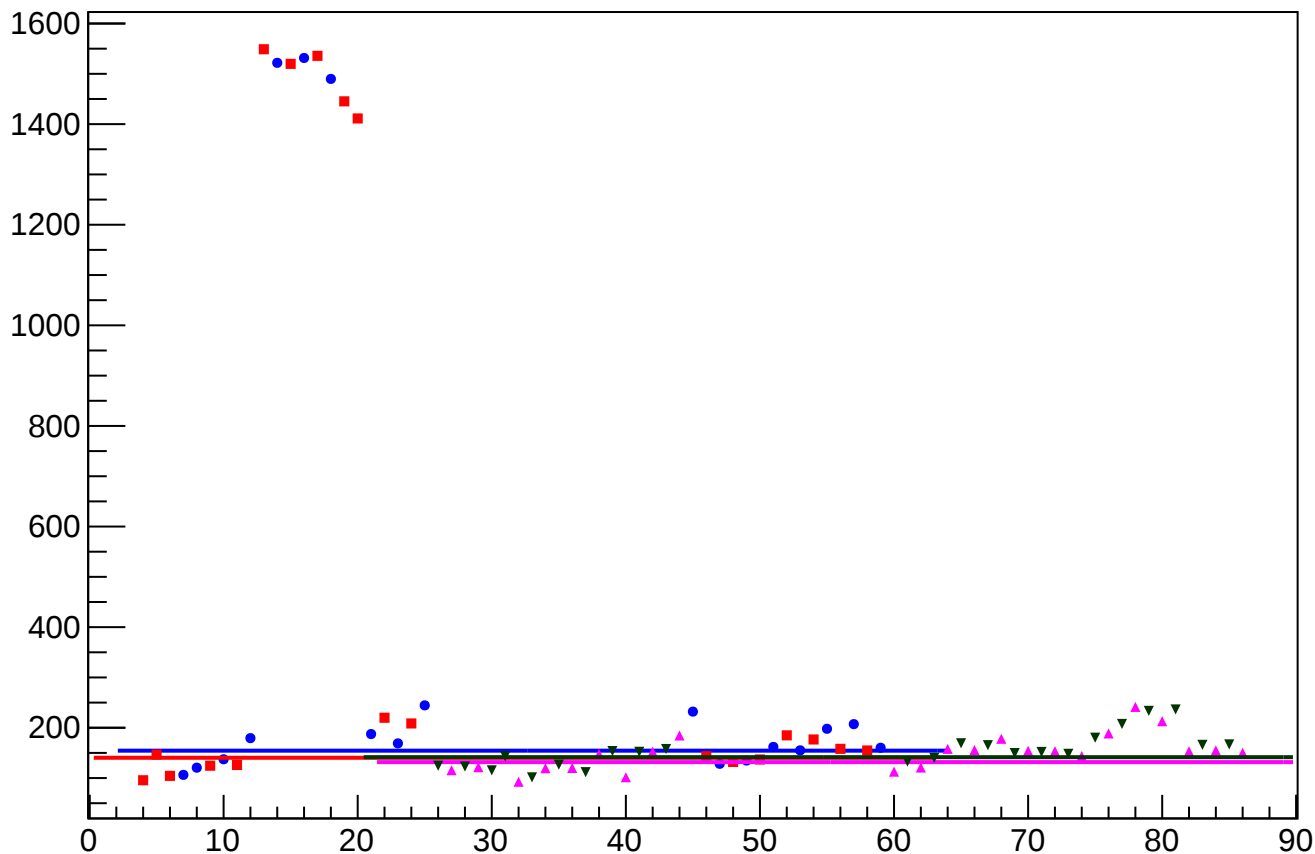
Right Out: 85.325+/-52.506 χ^2/NDF : 4.3/18

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

28.672+/-32.735 χ^2/NDF : 13.3/40

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 χ^2 /NDF: 4556738.2/17

Left Out: 141.499 $\pm$ 0.030 χ^2 /NDF: 954618.2/22

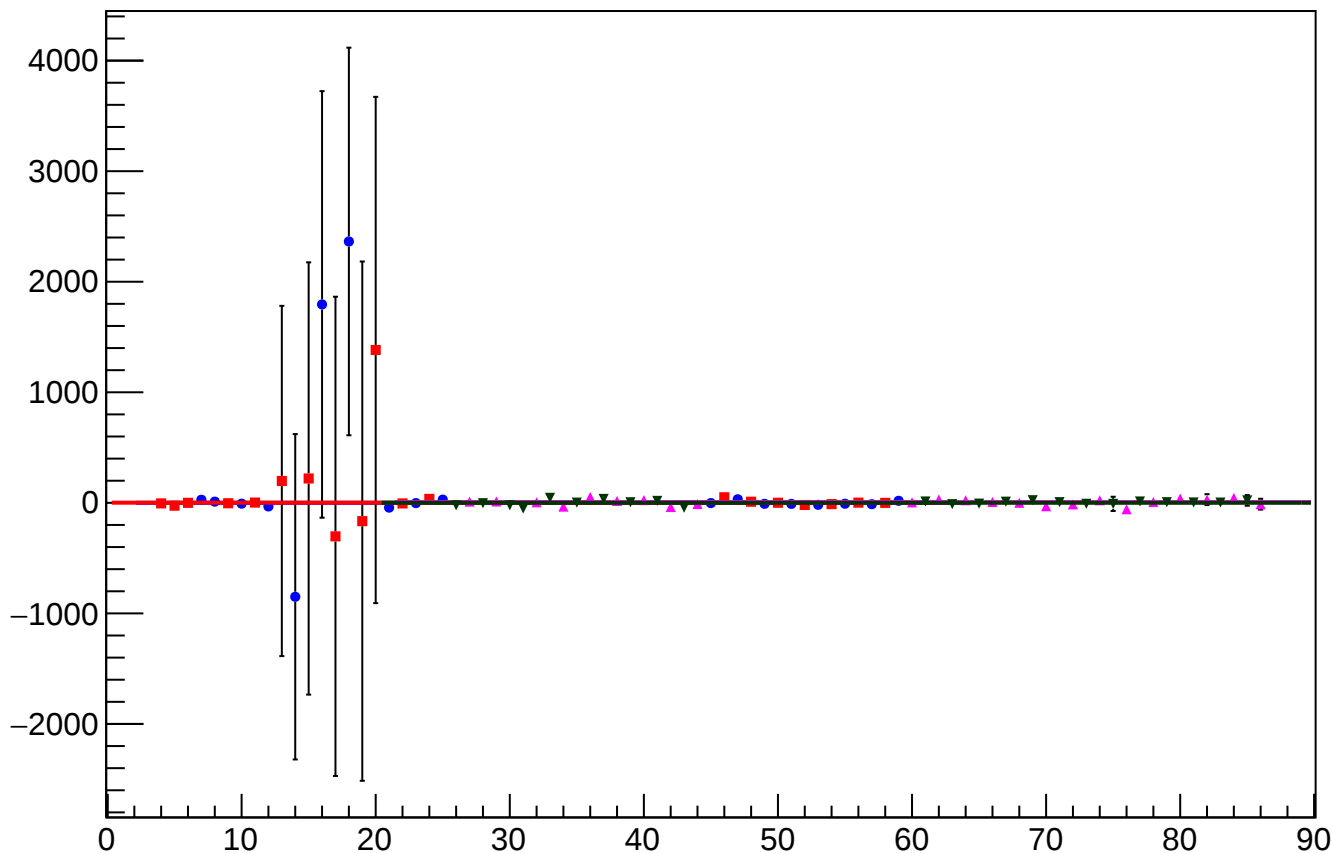
Right Out: 140.345 $\pm$ 0.037 χ^2 /NDF: 5274055.6/18

Left In: 131.688 $\pm$ 0.027 χ^2 /NDF: 1287960.7/22

146.574 $\pm$ 0.023 χ^2 /NDF: 5585977.2/40

134.655 $\pm$ 0.022 χ^2 /NDF: 6597755.0/41

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: 0.582+/-5.085 χ^2/NDF : 16.9/22

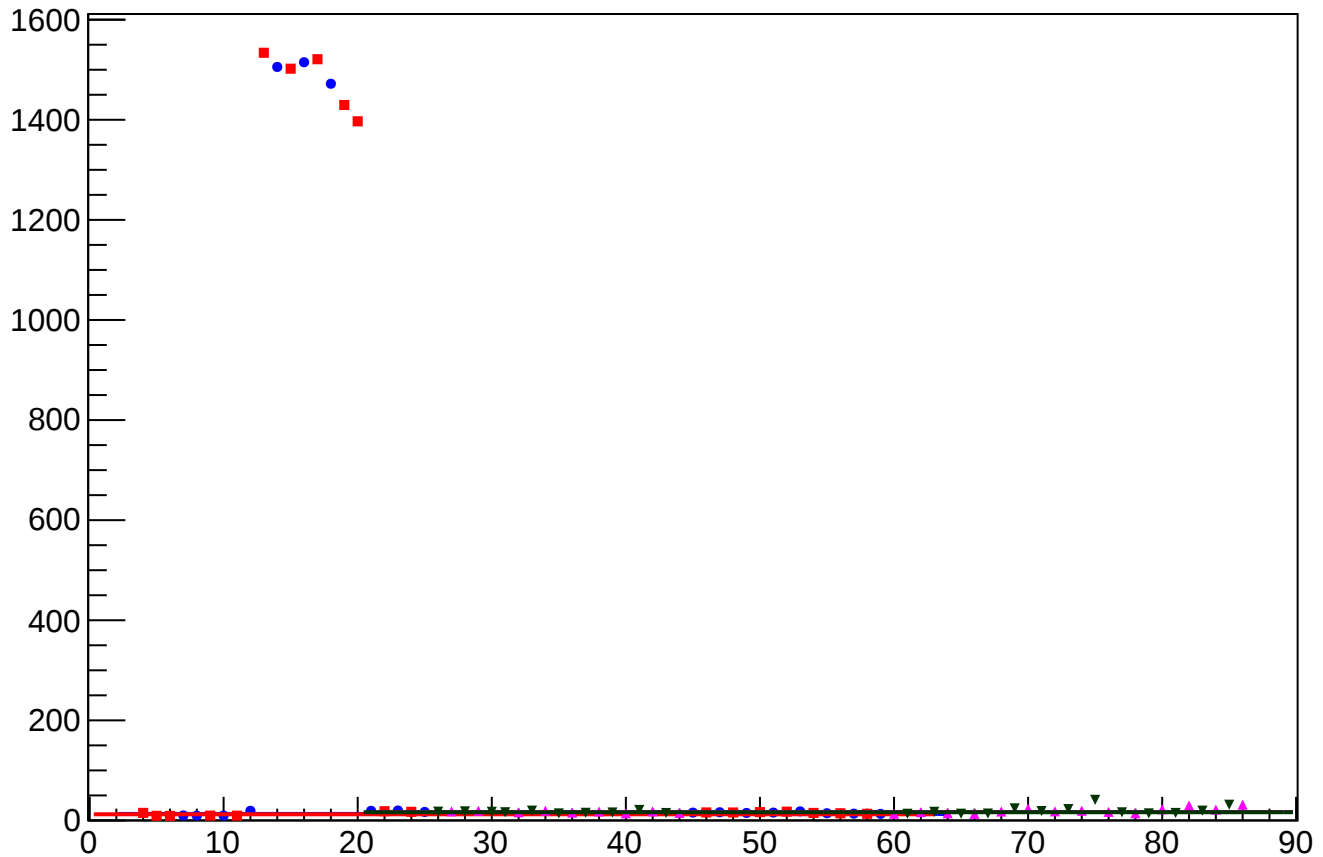
Right Out: 1.382+/-4.789 χ^2/NDF : 9.5/18

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

0.582+/-3.417 χ^2/NDF : 33.5/40

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: 16.469 $\pm$ 0.004 χ^2 /NDF: 976449.4/22

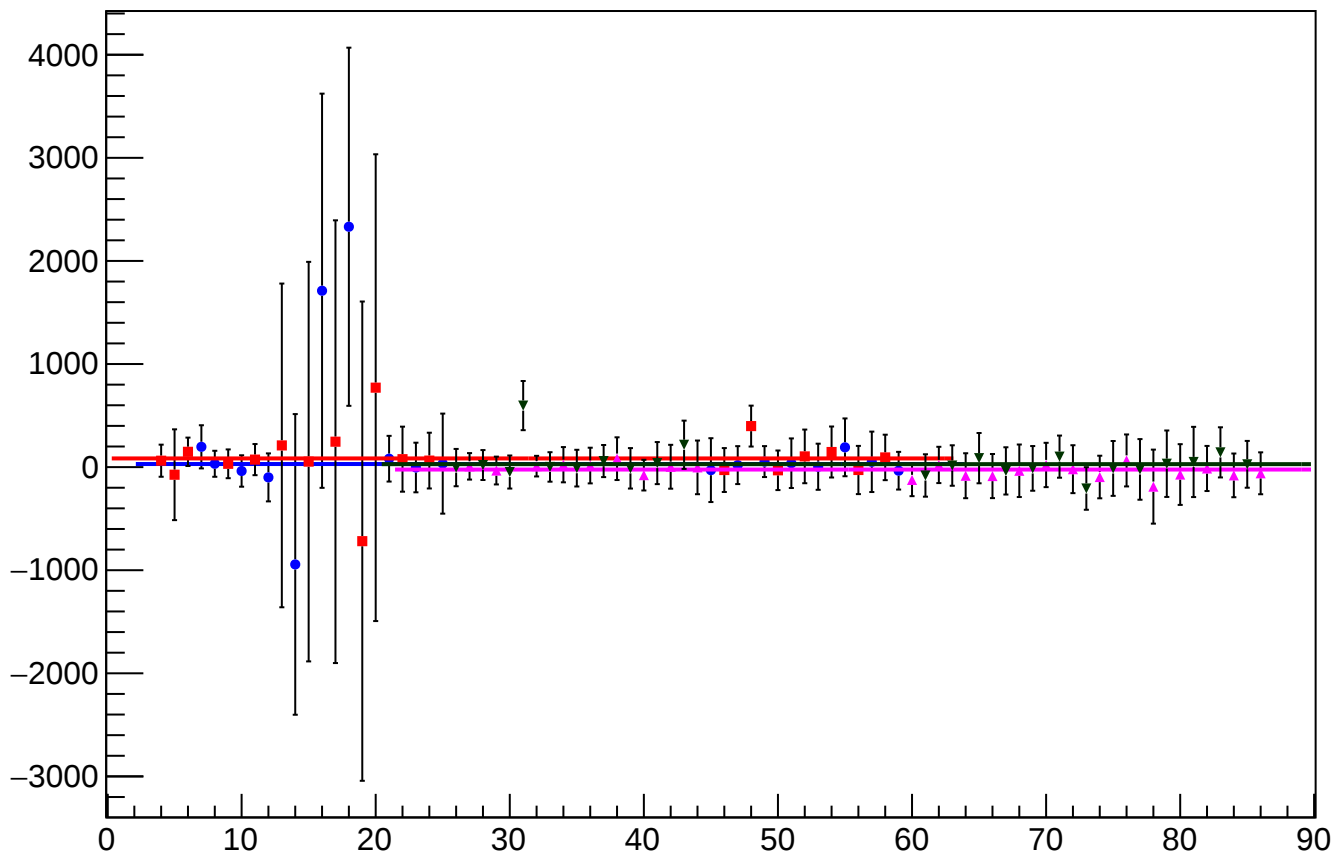
Right Out: 12.312 $\pm$ 0.003 χ^2 /NDF: 6373010.7/18

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

14.574 $\pm$ 0.002 χ^2 /NDF: 7178739.6/40

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: 28.791+/-42.306 χ^2/NDF : 8.9/22

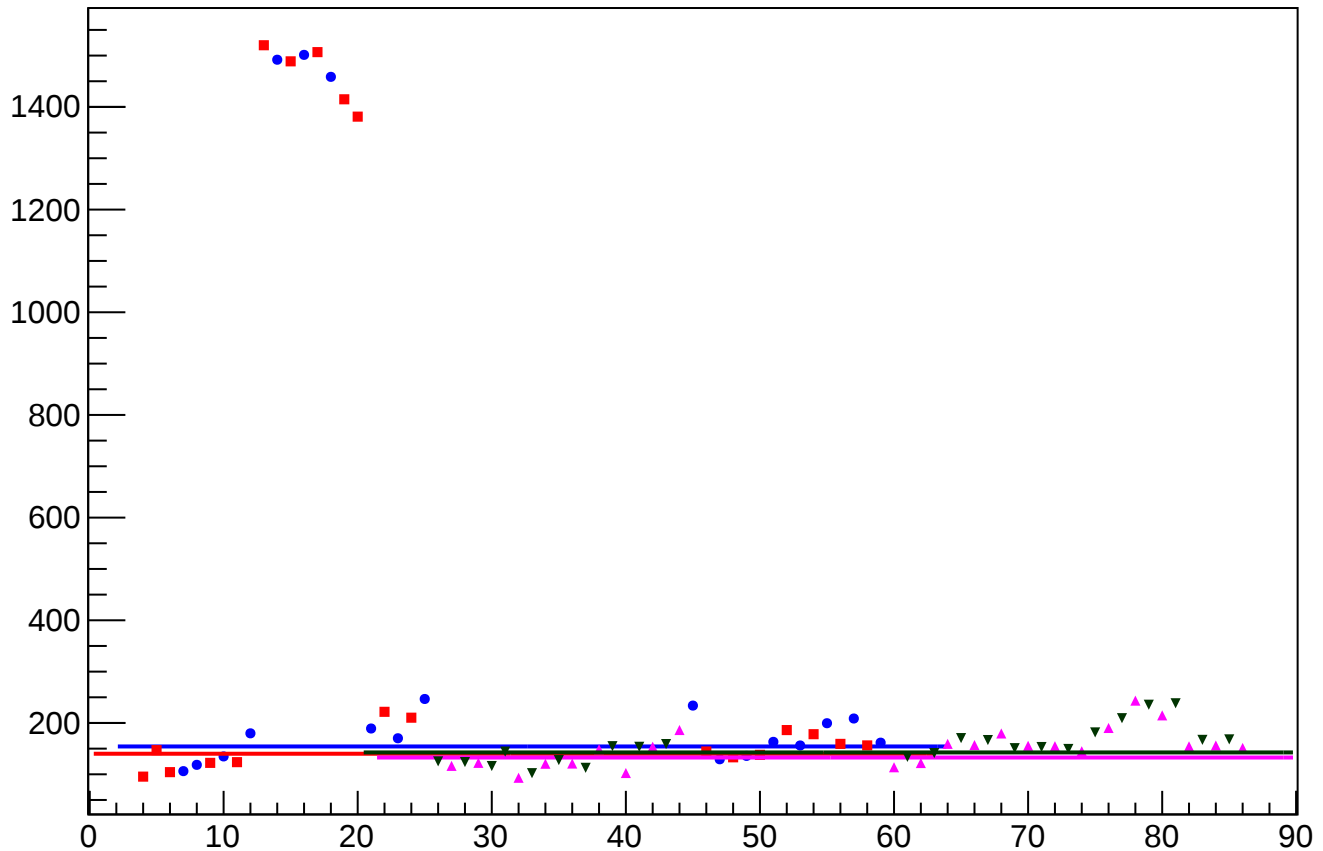
Right Out: 84.316+/-52.424 χ^2/NDF : 4.2/18

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

29.274+/-32.884 χ^2/NDF : 13.7/40

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: 142.610 $\pm$ 0.030 χ^2 /NDF:955248.4/22

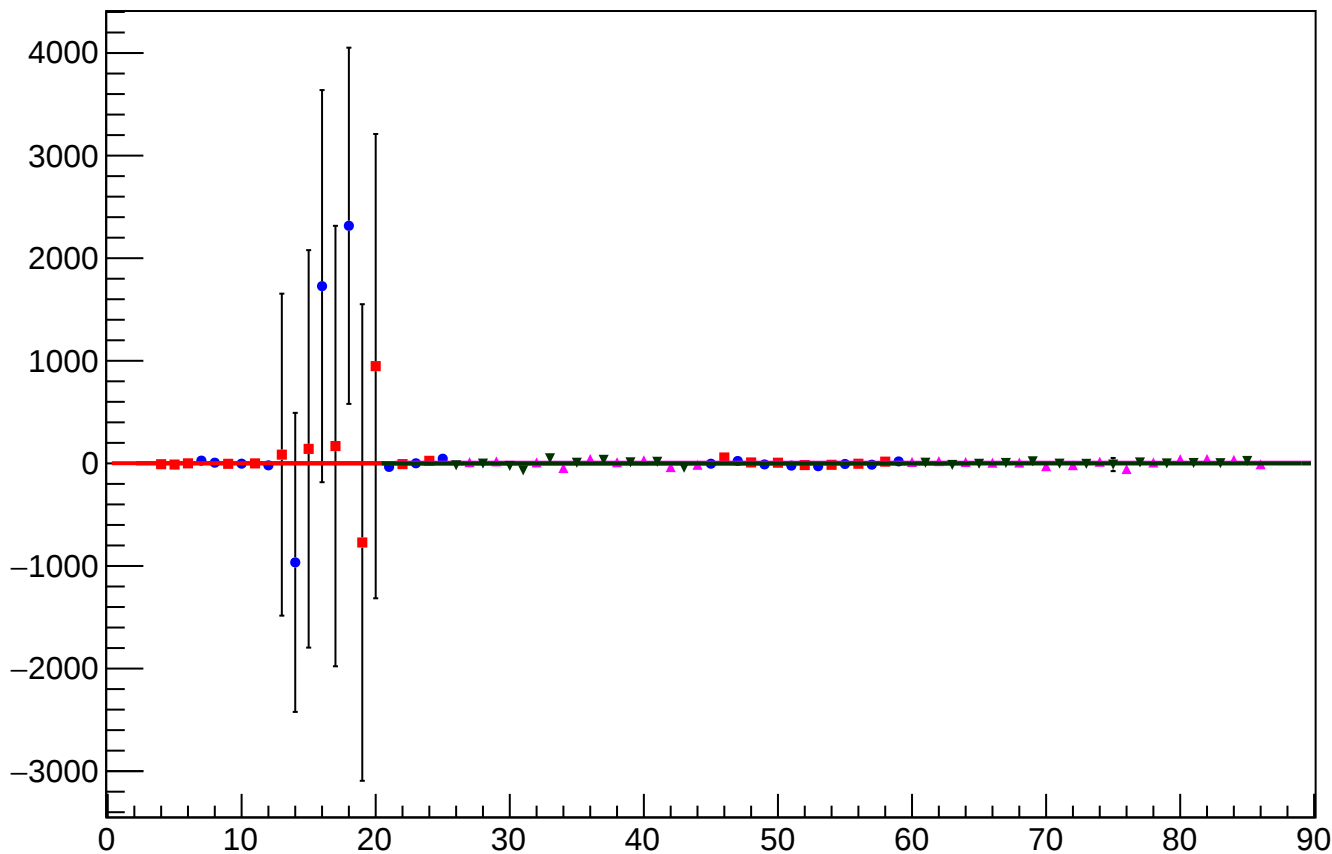
Right Out: 140.050 $\pm$ 0.037 χ^2 /NDF: 5289912.8/18

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

147.211 $\pm$ 0.023 χ^2 /NDF: 5599882.2/40

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

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs slug



Right In: 0.652 $\pm$ 4.315 χ^2 /NDF: 16.0/17

Left Out: -0.802 $\pm$ 4.979 χ^2 /NDF:19.7/22

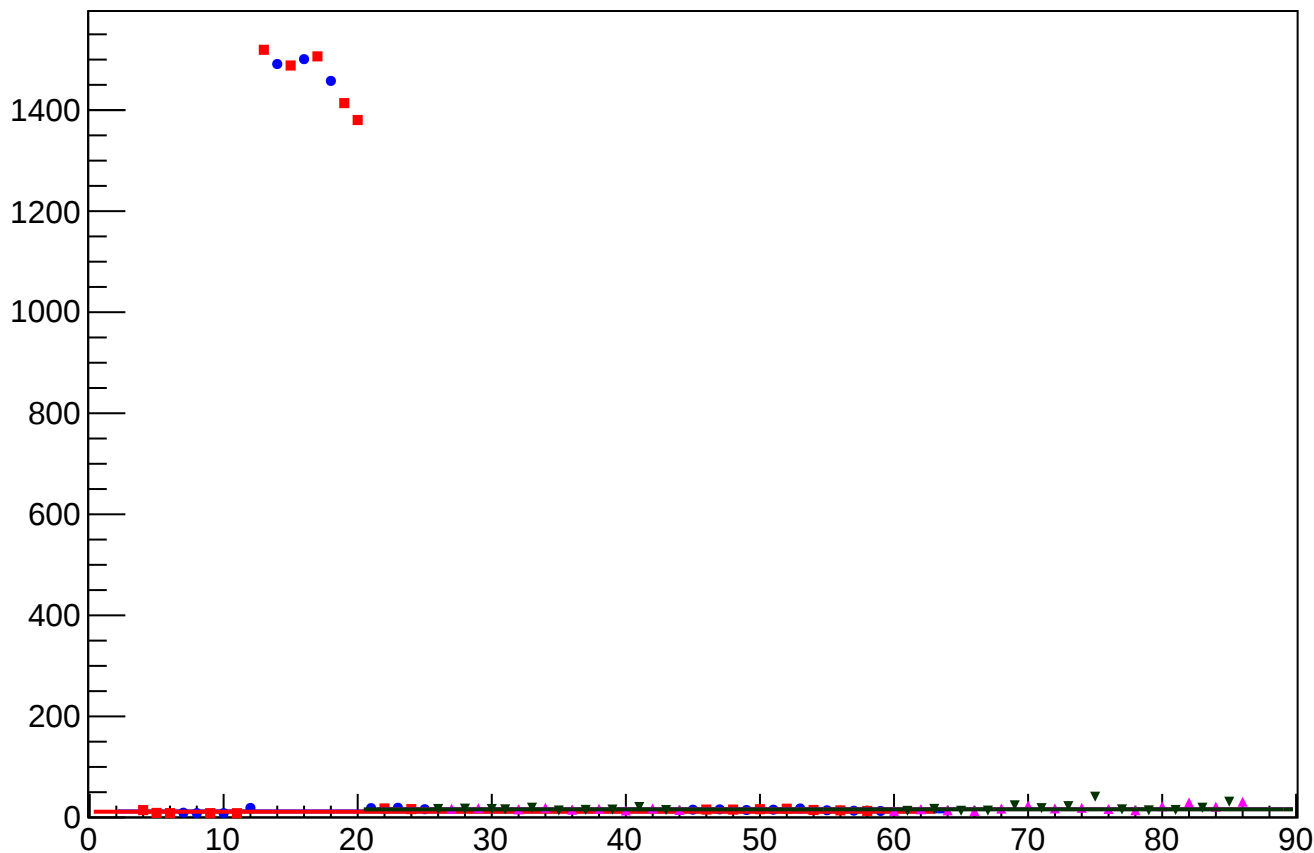
Right Out: 1.782 $\pm$ 4.470 χ^2 /NDF: 10.1/18

Left In: 6.852 $\pm$ 4.943 χ^2 /NDF:22.6/22

0.028 $\pm$ 3.261 χ^2 /NDF: 35.7/40

4.063 $\pm$ 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: 16.098 $\pm$ 0.004 χ^2 /NDF: 986574.3/22

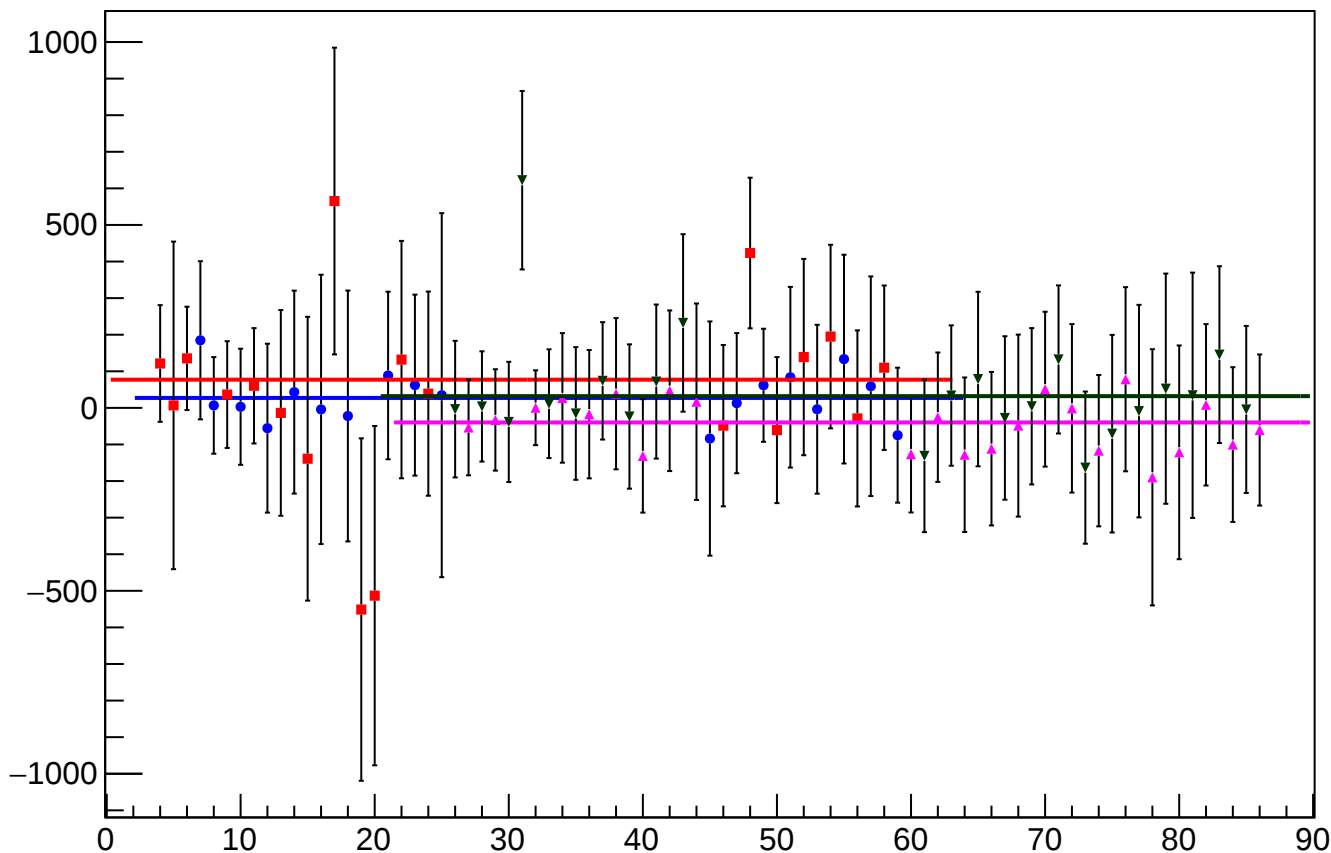
Right Out: 11.361 $\pm$ 0.003 χ^2 /NDF: 6645877.2/18

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

13.765 $\pm$ 0.002 χ^2 /NDF: 7816682.6/40

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: 32.078 $\pm$ 42.857 χ^2 /NDF: 9.3/22

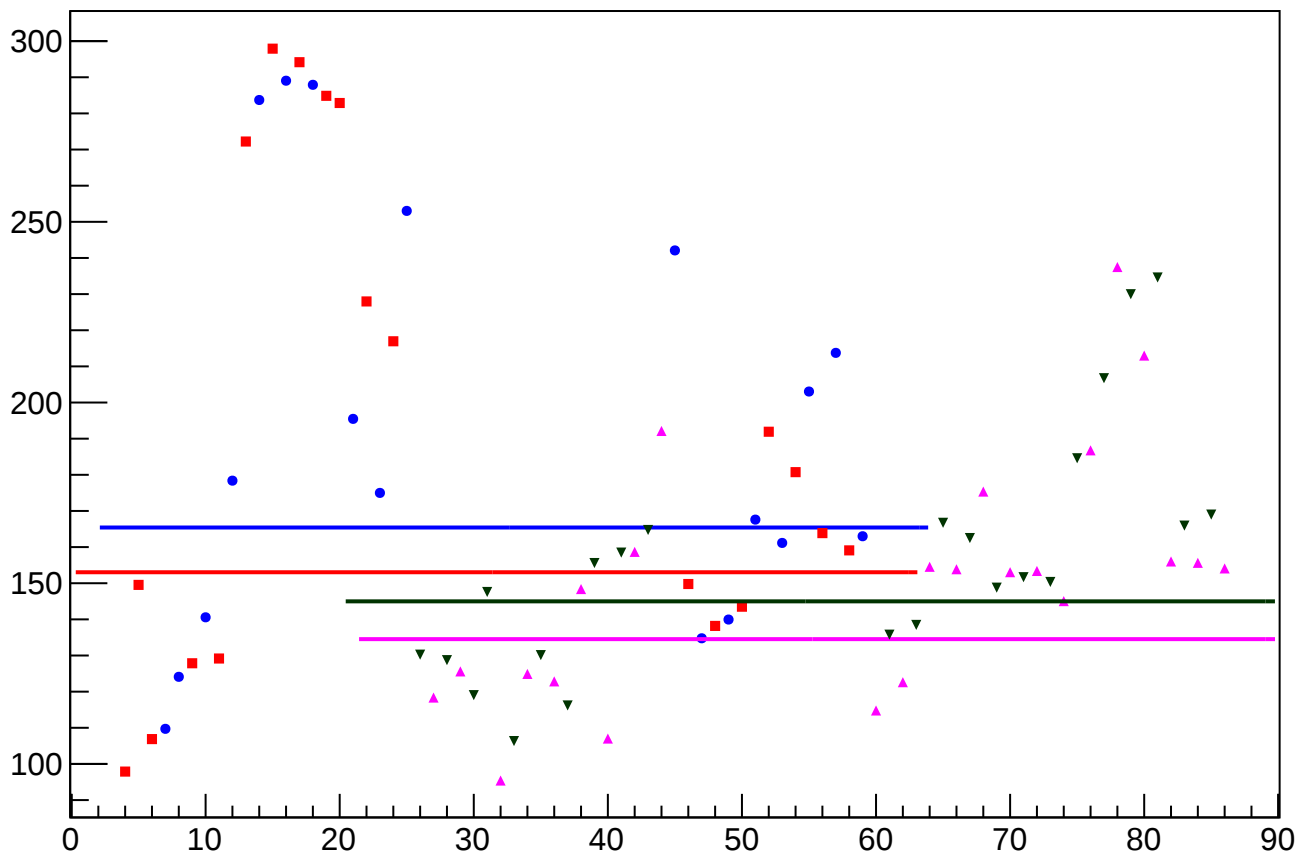
Right Out: 77.113 $\pm$ 51.687 χ^2 /NDF: 9.7/18

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

30.107 $\pm$ 33.025 χ^2 /NDF: 10.9/40

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 $\chi^2/\text{NDF}: 1636400.3/17$

Left Out: 144.986 ± 0.030 $\chi^2/\text{NDF}: 824967.1/22$

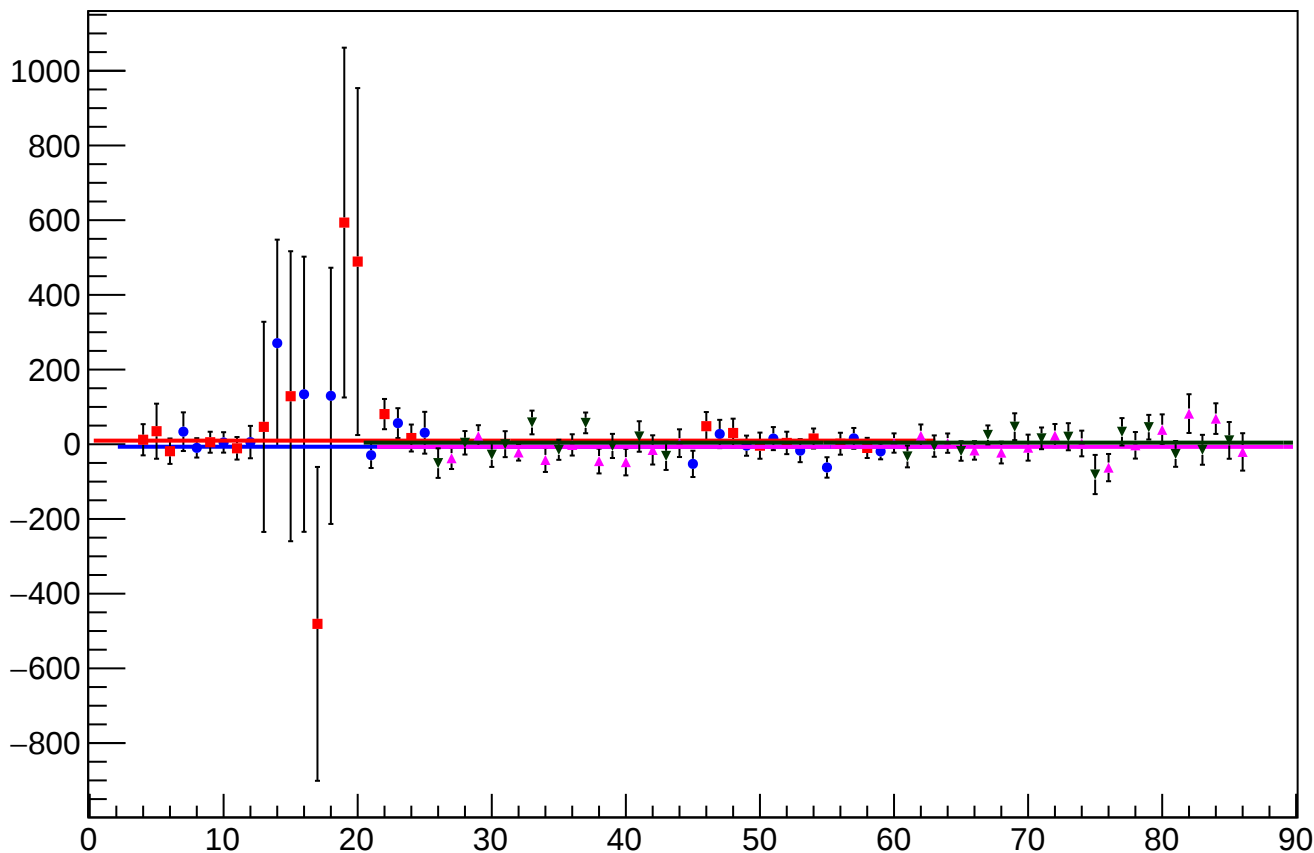
Right Out: 153.039 ± 0.037 $\chi^2/\text{NDF}: 2037868.3/18$

Left In: 134.532 ± 0.027 $\chi^2/\text{NDF}: 1157621.1/22$

153.286 ± 0.023 $\chi^2/\text{NDF}: 2646040.7/40$

141.168 ± 0.022 $\chi^2/\text{NDF}: 3359969.7/41$

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: 4.410 $\pm$ 6.838 χ^2 /NDF: 21.8/22

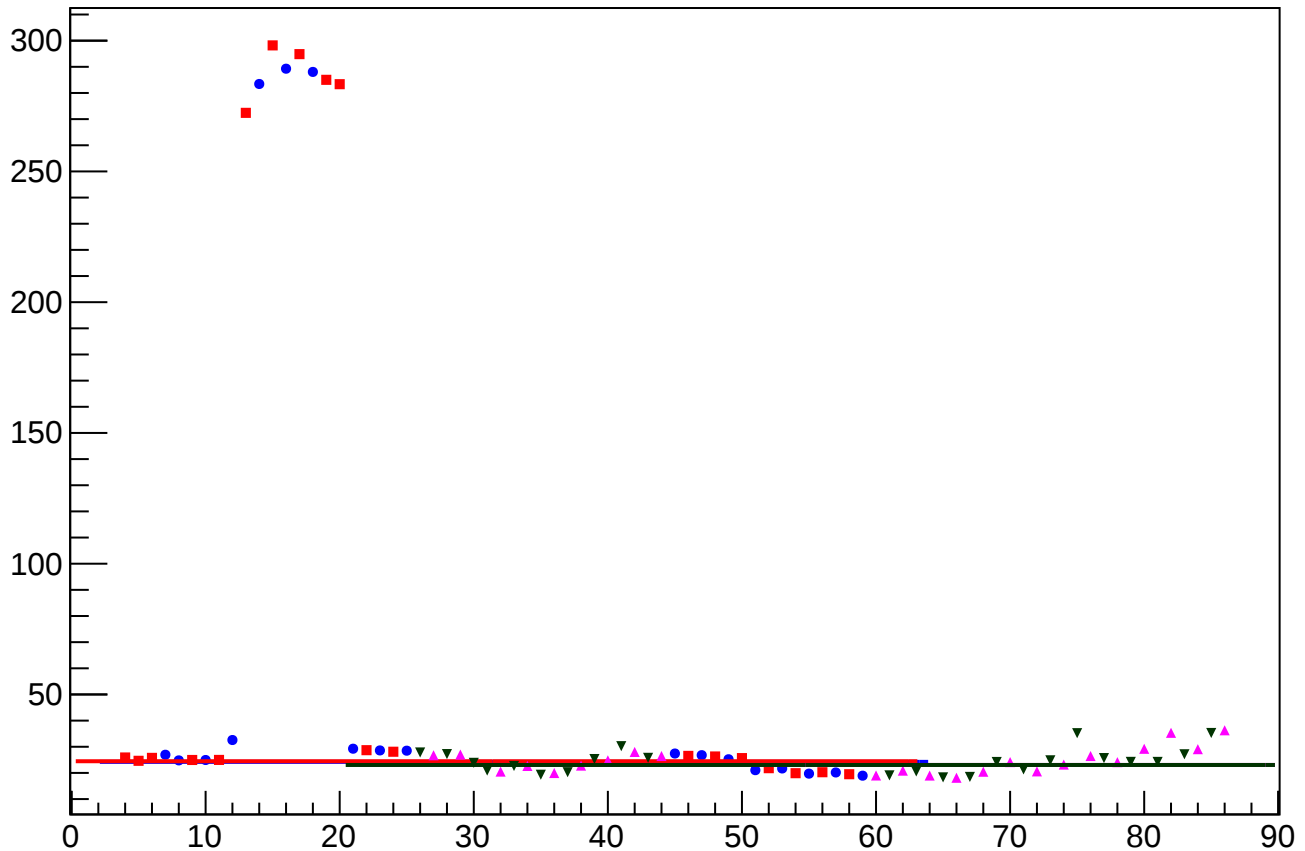
Right Out: 9.755 $\pm$ 8.898 χ^2 /NDF: 10.7/18

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

-0.181 $\pm$ 5.216 χ^2 /NDF: 36.7/40

-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: 23.041 $\pm$ 0.005 χ^2 /NDF: 677476.6/22

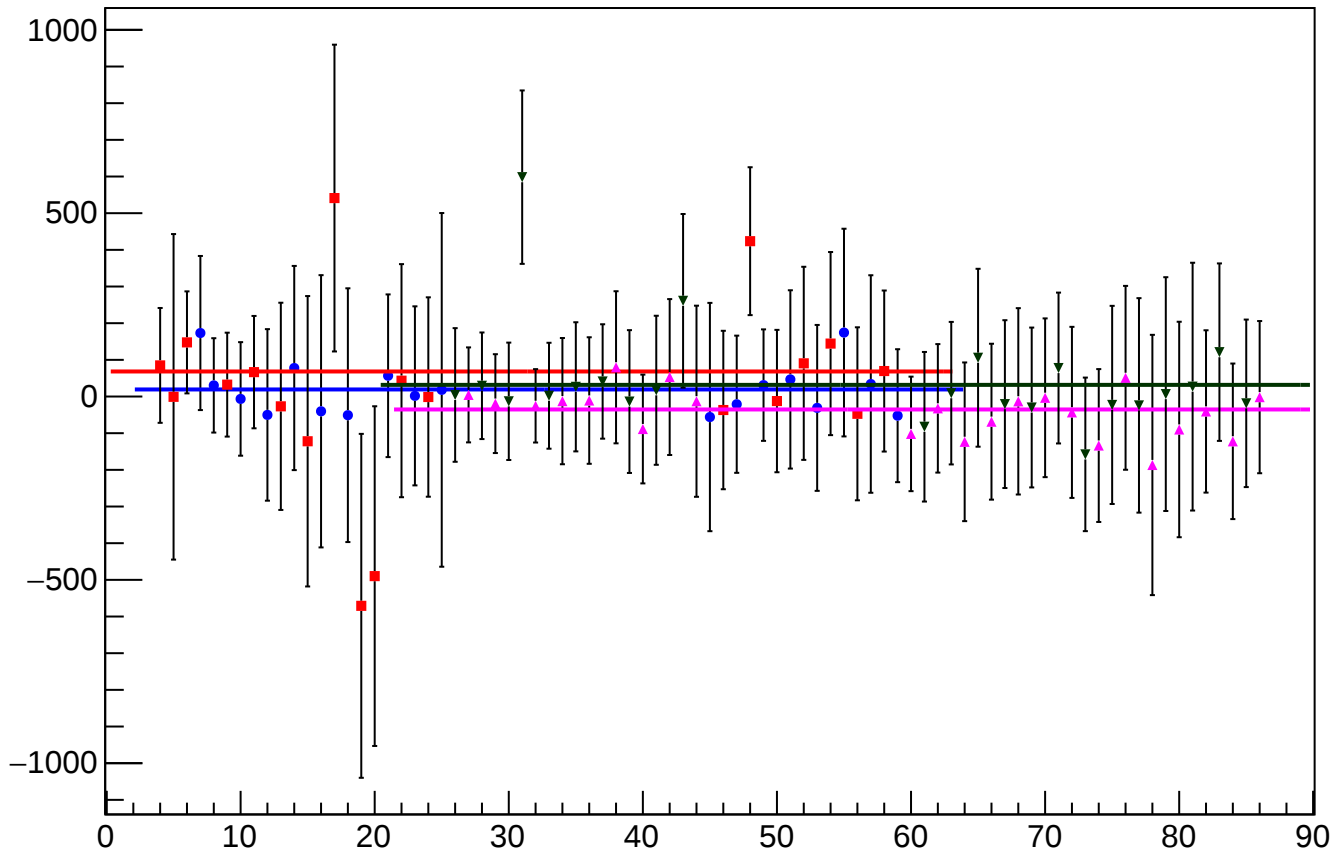
Right Out: 24.466 $\pm$ 0.006 χ^2 /NDF: 4859985.2/18

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

23.536 $\pm$ 0.004 χ^2 /NDF: 5115623.7/40

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: 31.776+/-42.320 χ^2/NDF : 8.6/22

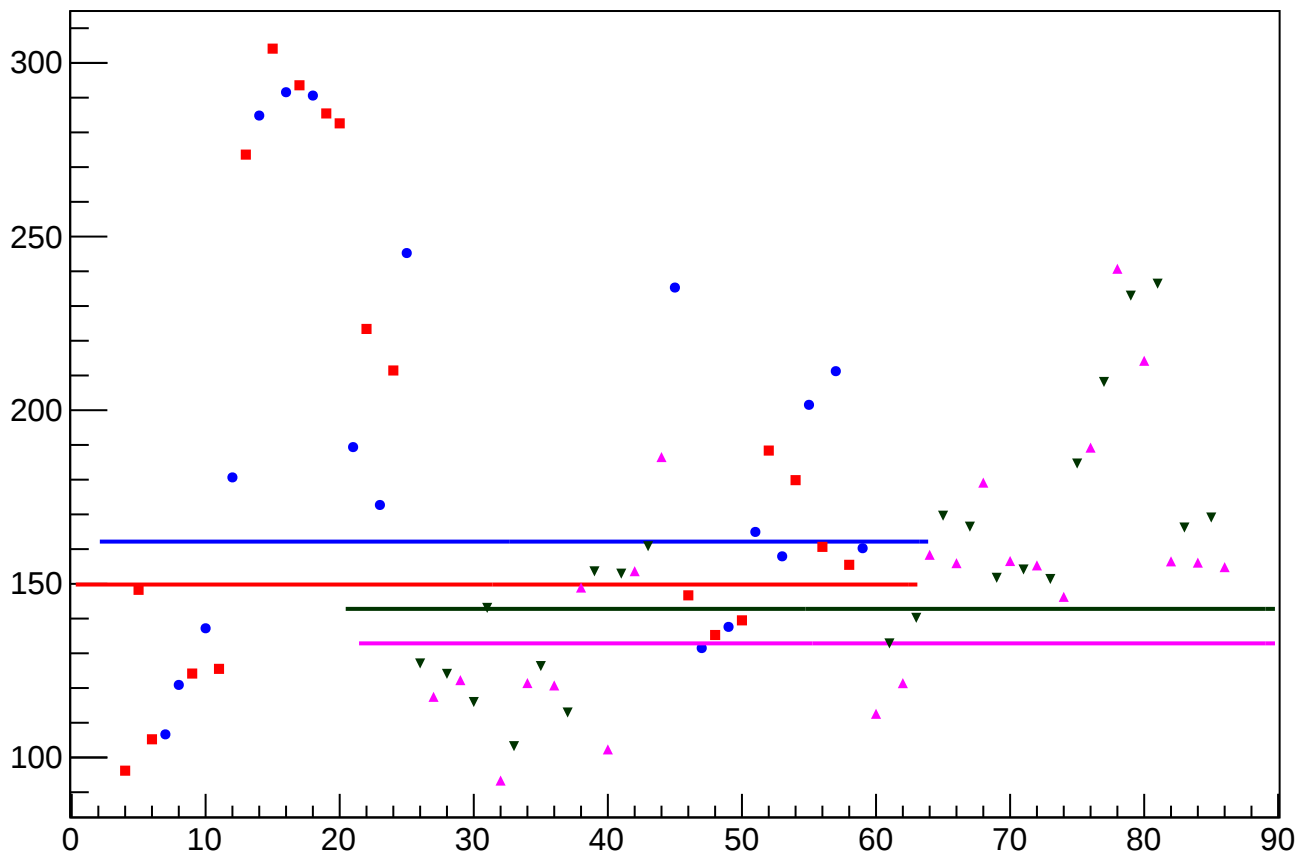
Right Out: 68.308+/-50.710 χ^2/NDF : 9.3/18

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

26.663+/-32.545 χ^2/NDF : 10.0/40

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: 142.793 ± 0.030 $\chi^2/\text{NDF}: 938027.0/22$

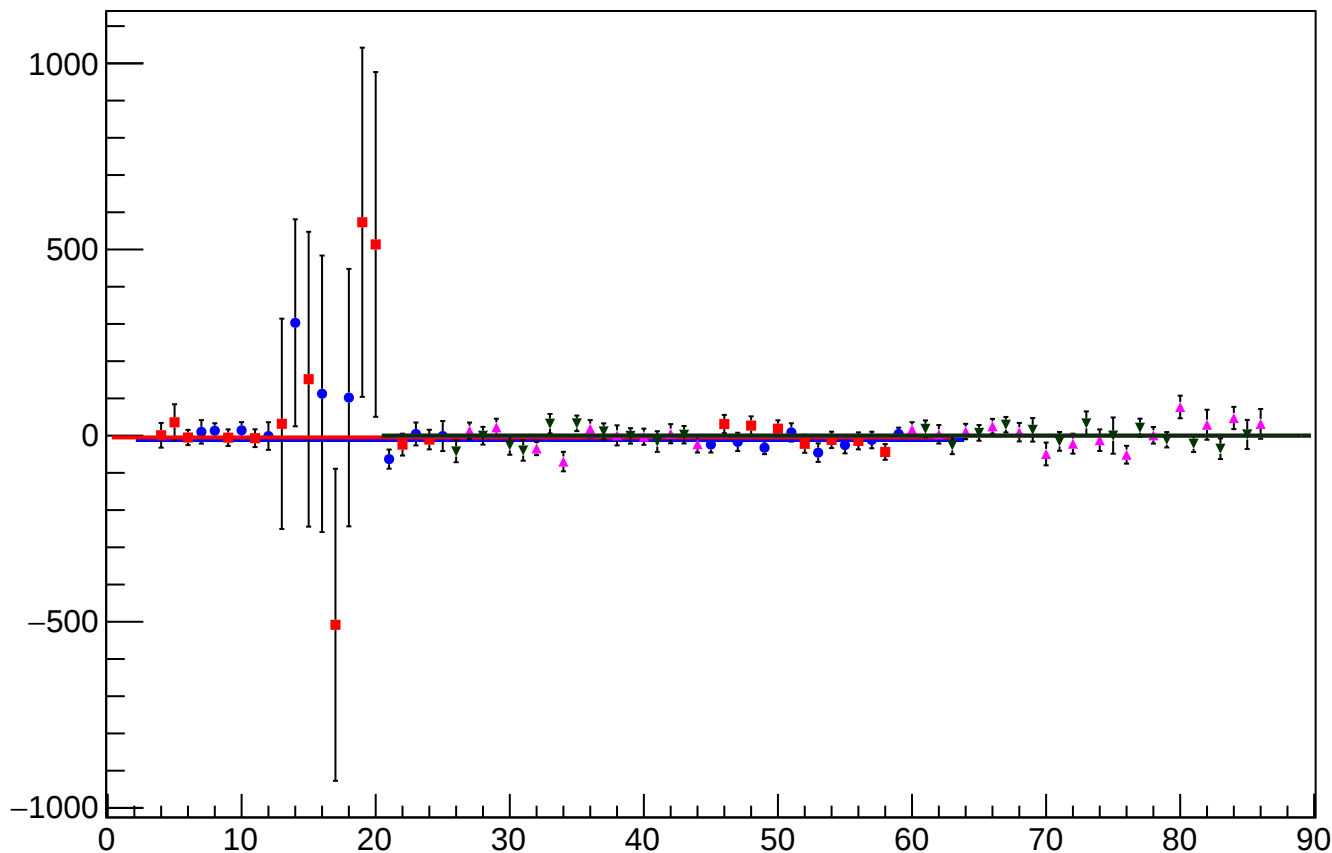
Right Out: 149.803 ± 0.036 $\chi^2/\text{NDF}: 2114602.4/18$

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

150.709 ± 0.023 $\chi^2/\text{NDF}: 2829889.3/40$

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: 0.140 ± 5.172 χ^2/NDF : 19.1/22

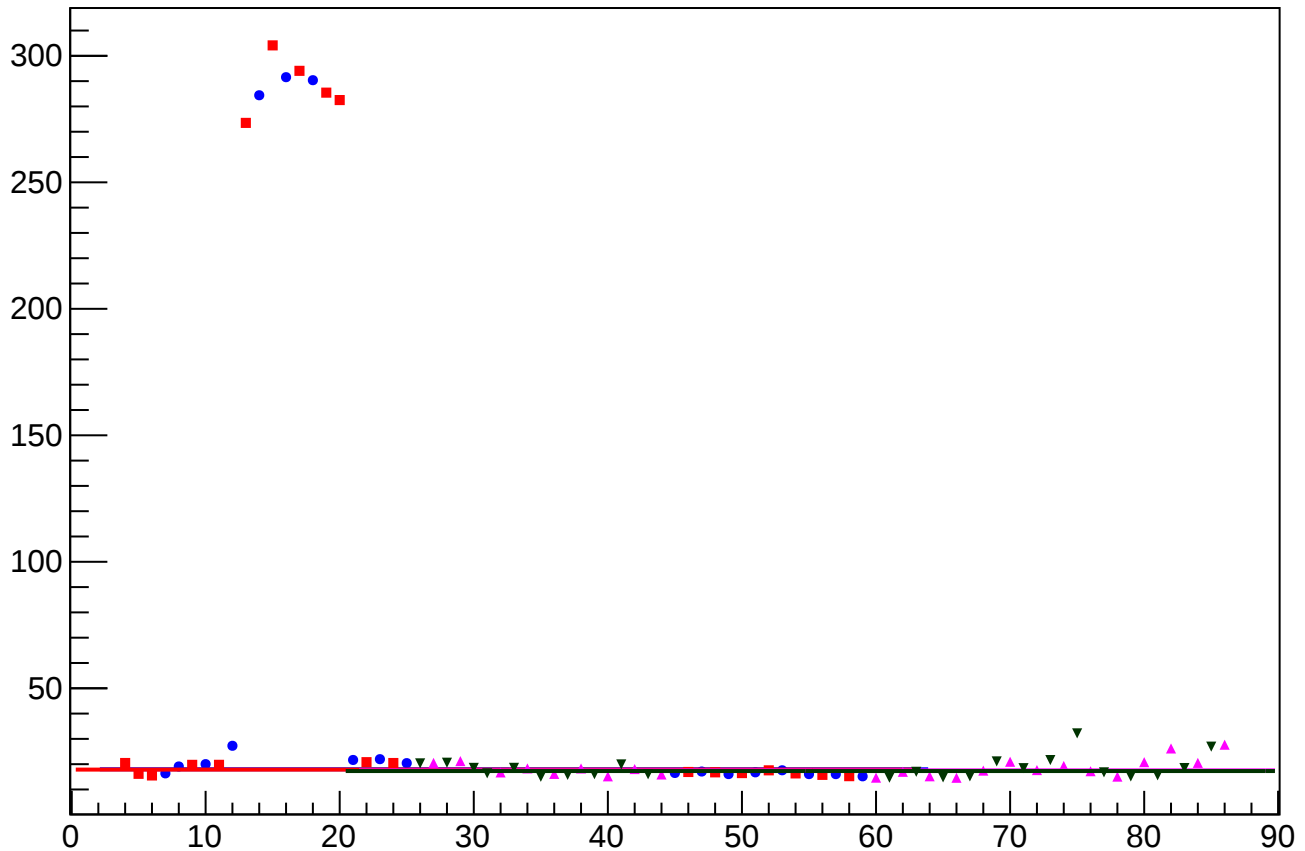
Right Out: -4.846 ± 6.550 χ^2/NDF : 14.7/18

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

-4.878 ± 3.927 χ^2/NDF : 36.3/40

-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: 17.284+/-0.004 χ^2/NDF : 629735.1/22

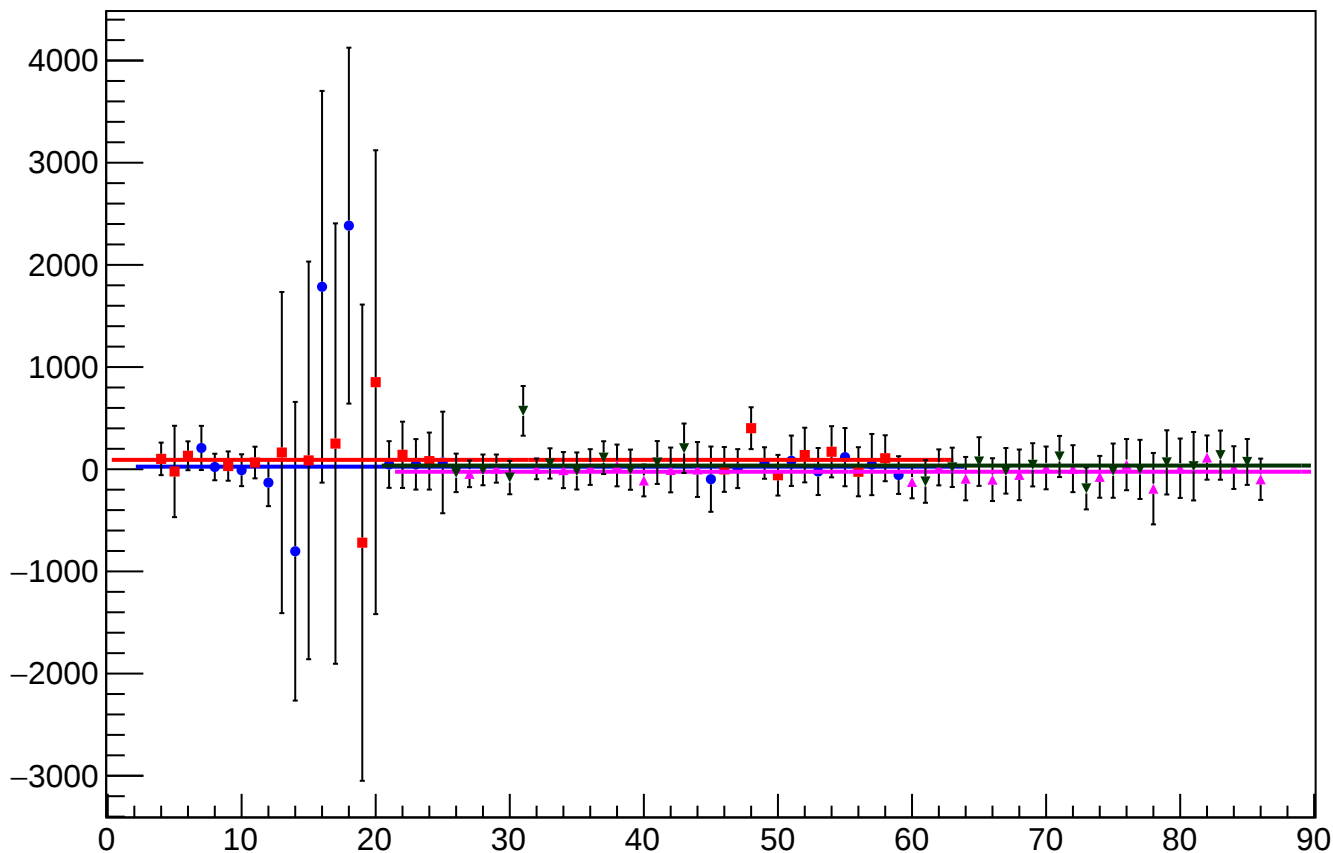
17.582+/-0.003 χ^2/NDF : 5170605.2/40

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: 35.775+/-42.726 χ^2/NDF : 8.8/22

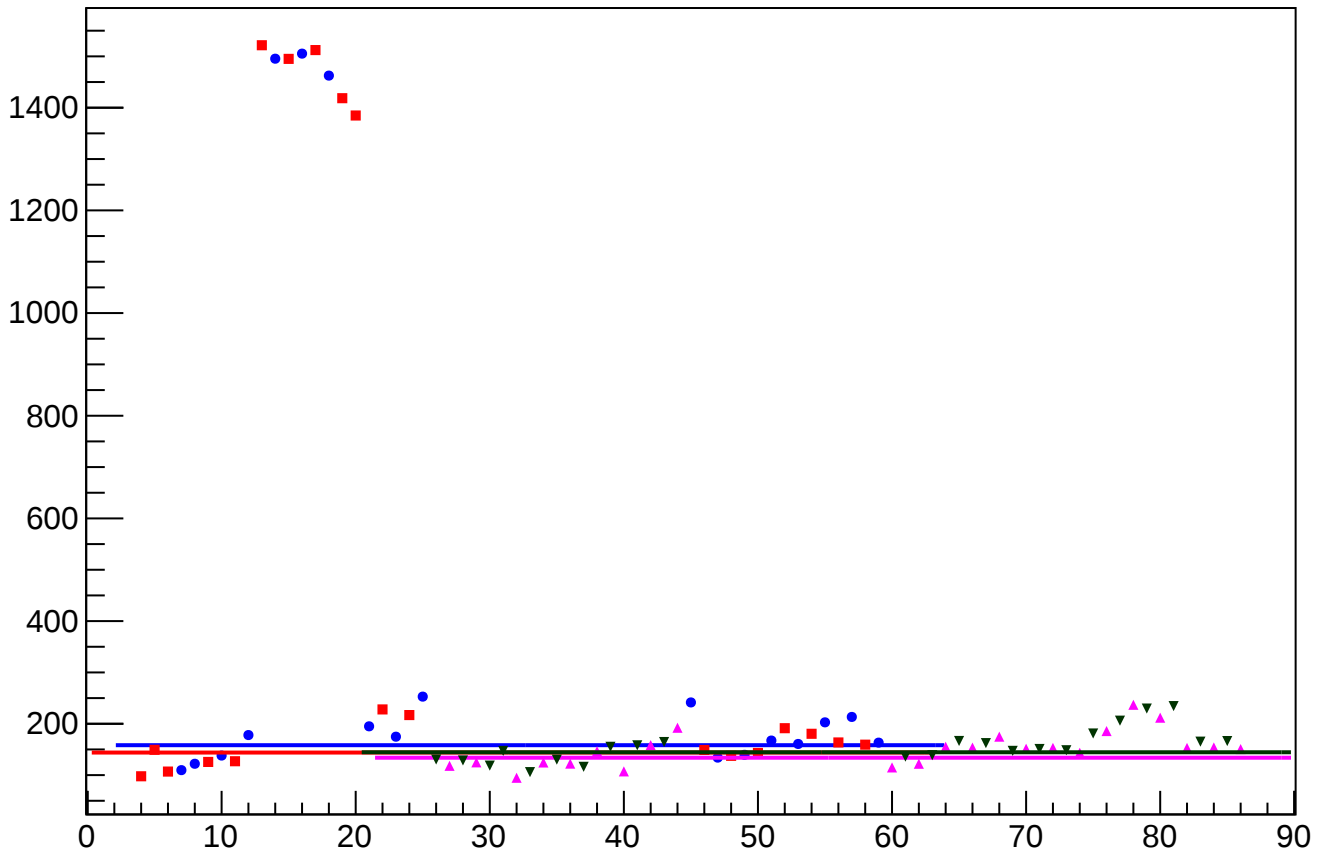
Right Out: 91.771+/-53.823 χ^2/NDF : 4.0/18

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

31.627+/-33.395 χ^2/NDF : 13.7/40

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: 144.510+/-0.030 χ^2/NDF : 814815.9/22

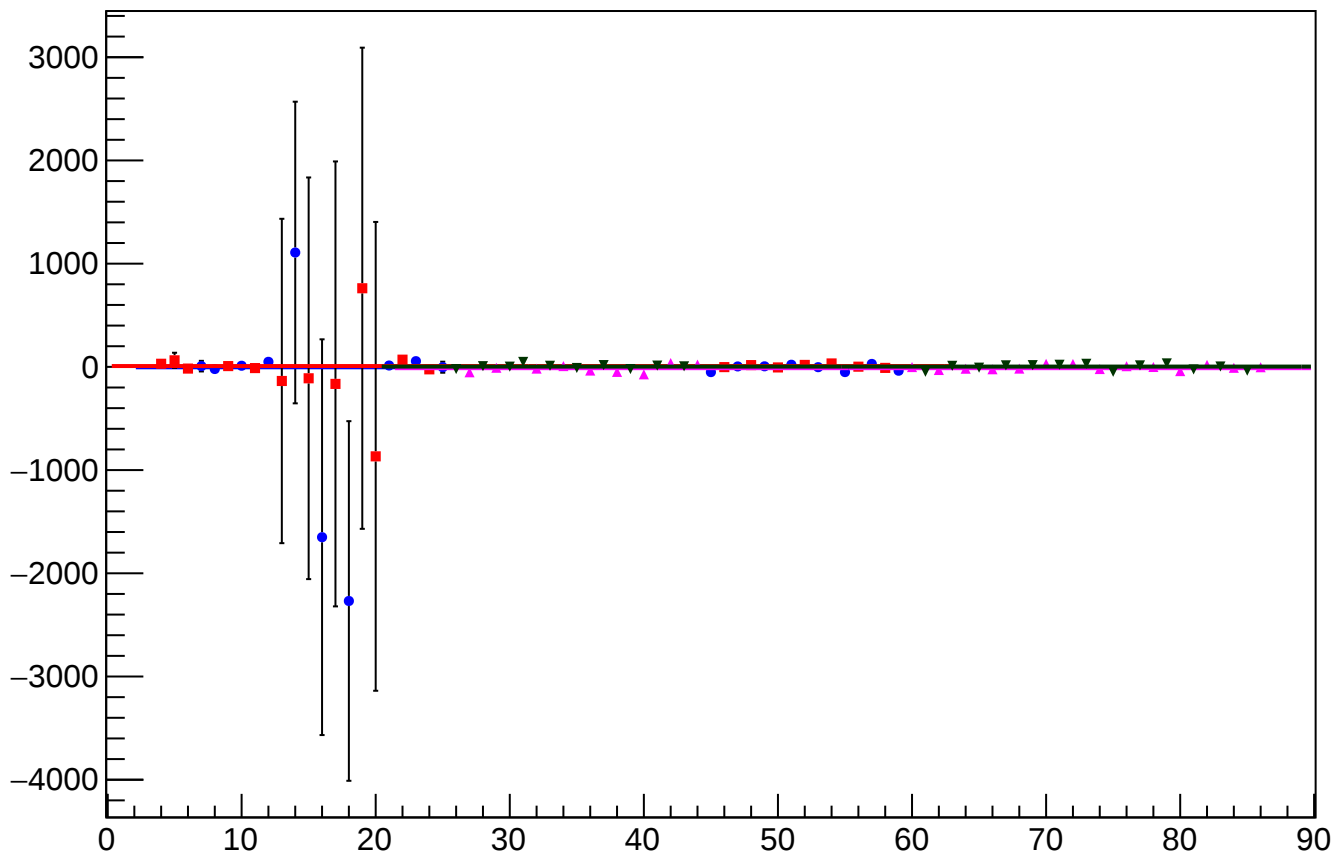
149.866+/-0.024 χ^2/NDF : 5434590.5/40

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: 2.837+/-6.359 χ^2/NDF :13.3/22

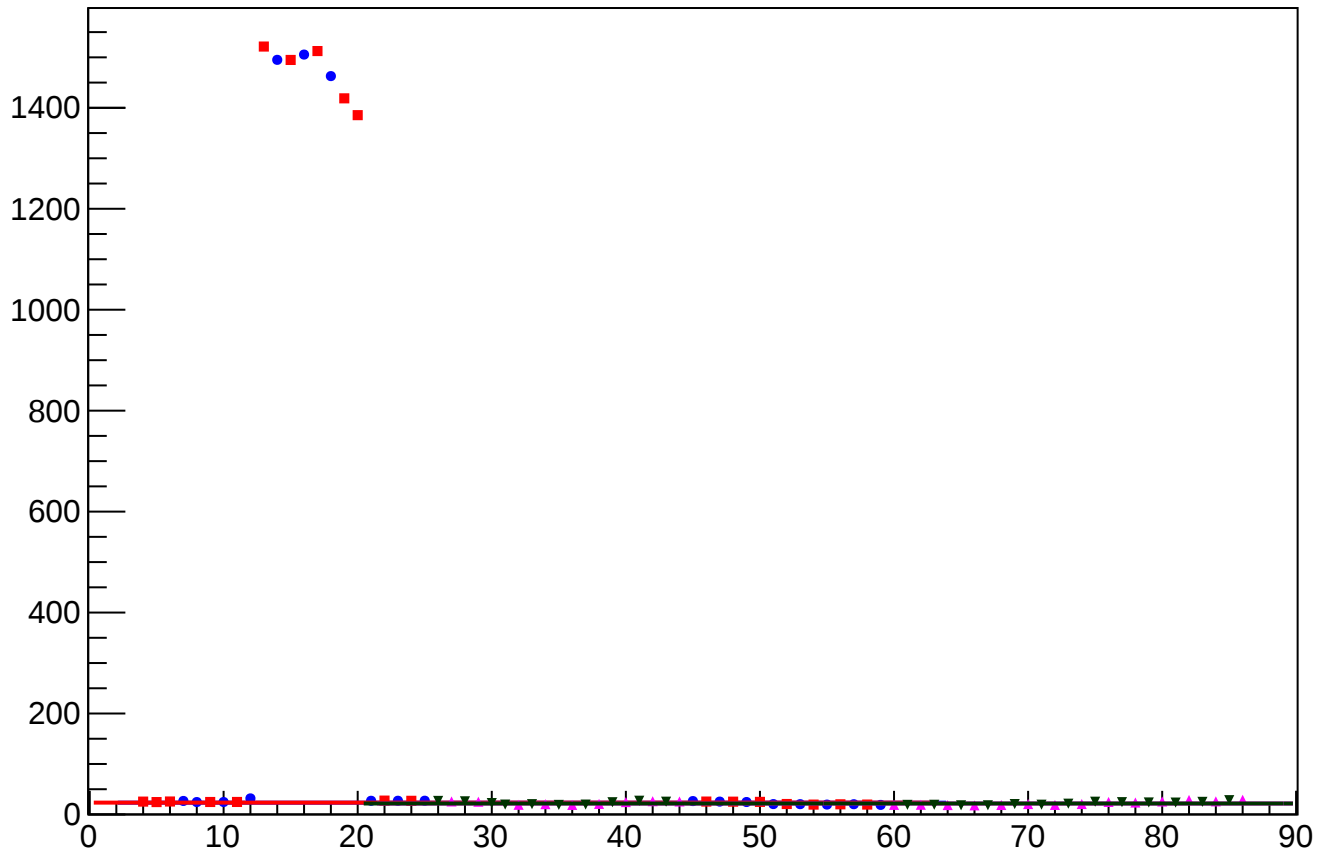
Right Out: 7.973+/-8.718 χ^2/NDF : 7.3/18

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

0.111+/-4.948 χ^2/NDF : 31.4/40

-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: 21.719+/-0.004 χ^2/NDF :458308.6/22

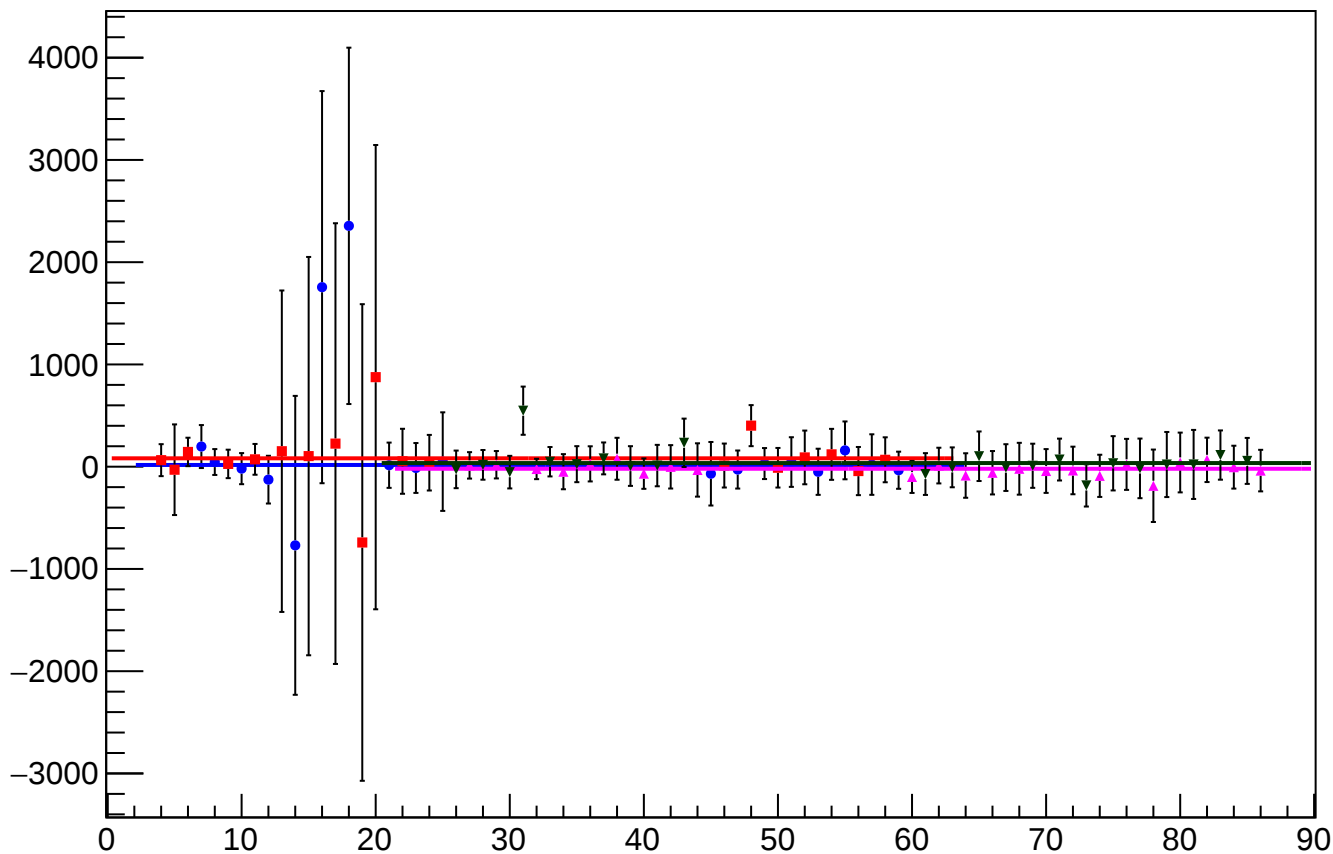
Right Out: 23.445+/-0.006 χ^2/NDF : 5561556.7/18

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

22.357+/-0.003 χ^2/NDF : 5474577.1/40

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+/-52.488 χ^2/NDF : 4.7/17

Left Out: 35.543+/-42.191 χ^2/NDF : 7.7/22

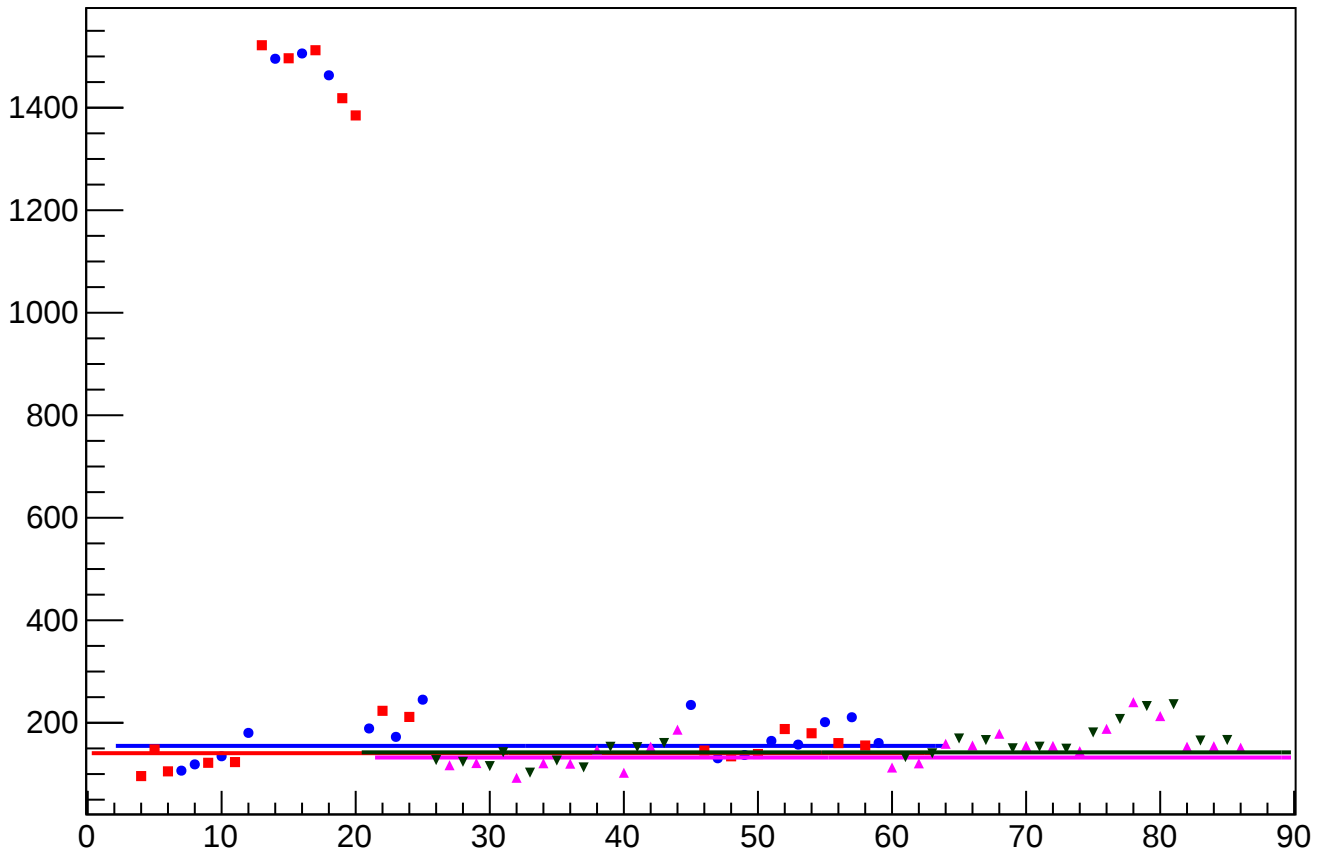
Right Out: 81.906+/-52.666 χ^2/NDF : 3.9/18

Left In: -20.287+/-38.052 χ^2/NDF : 1.6/22

28.240+/-32.884 χ^2/NDF : 12.6/40

14.764+/-30.844 χ^2/NDF : 8.0/41

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs slug



Right In: 154.947 $\pm$ 0.037 χ^2 /NDF: 4580594.9/17

Left Out: 142.326 $\pm$ 0.030 χ^2 /NDF: 926984.7/22

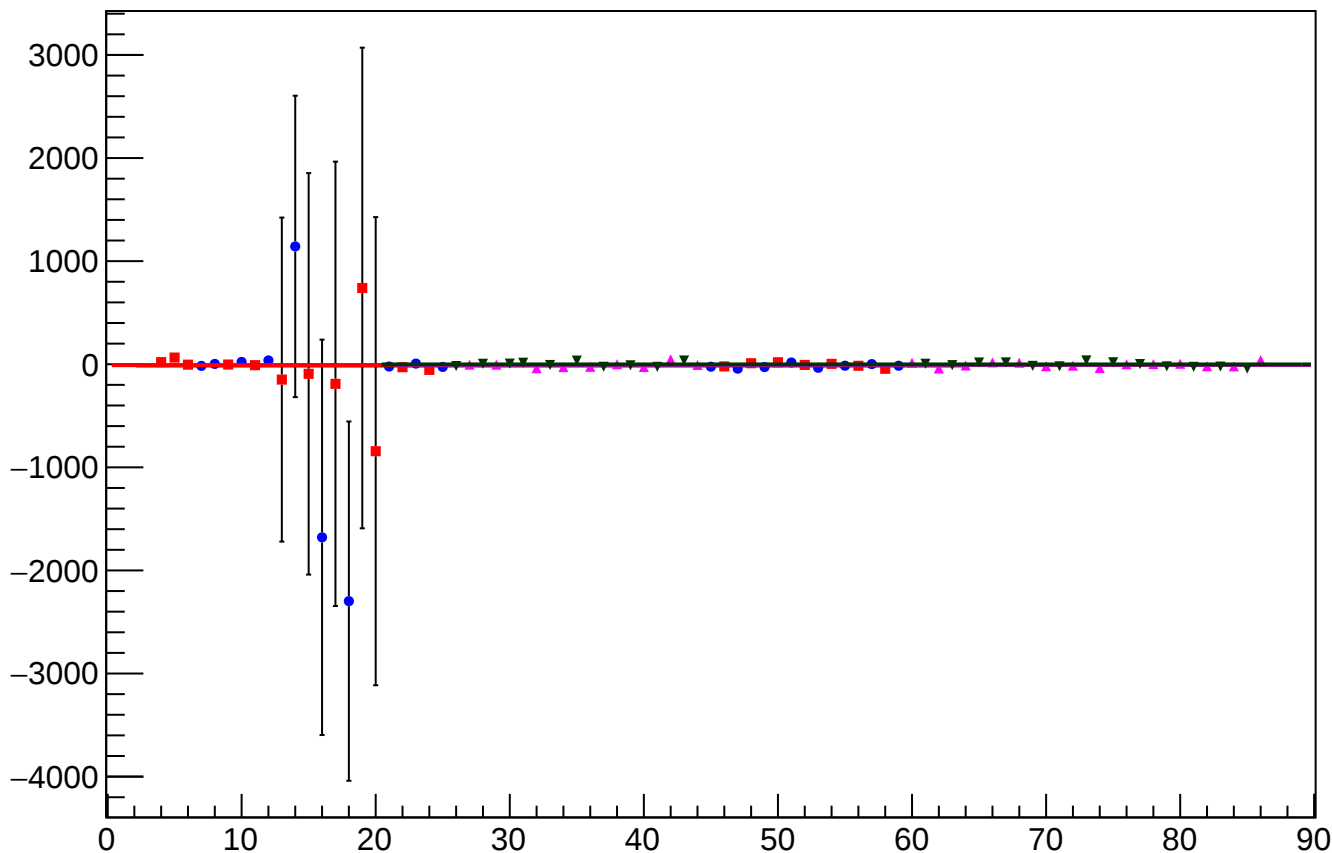
Right Out: 140.710 $\pm$ 0.037 χ^2 /NDF: 5291988.7/18

Left In: 132.229 $\pm$ 0.027 χ^2 /NDF: 1279421.2/22

147.280 $\pm$ 0.023 χ^2 /NDF: 5577826.4/40

135.138 $\pm$ 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: -2.017 $\pm$ 4.727 χ^2 /NDF: 20.2/22

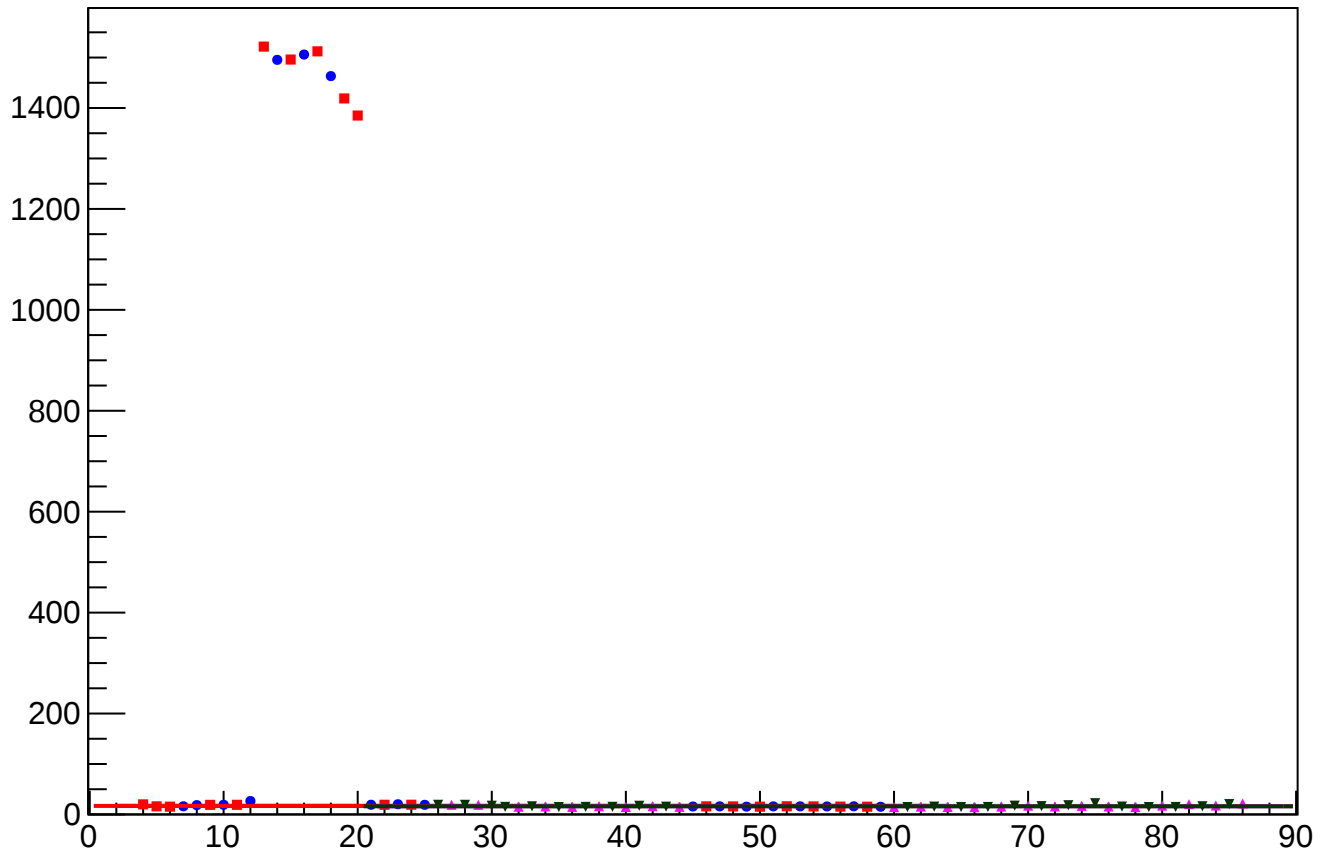
Right Out: -8.864 $\pm$ 6.293 χ^2 /NDF: 13.3/18

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

-5.756 $\pm$ 3.658 χ^2 /NDF: 36.8/40

-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: 16.149+/-0.003 χ^2/NDF : 282890.6/22

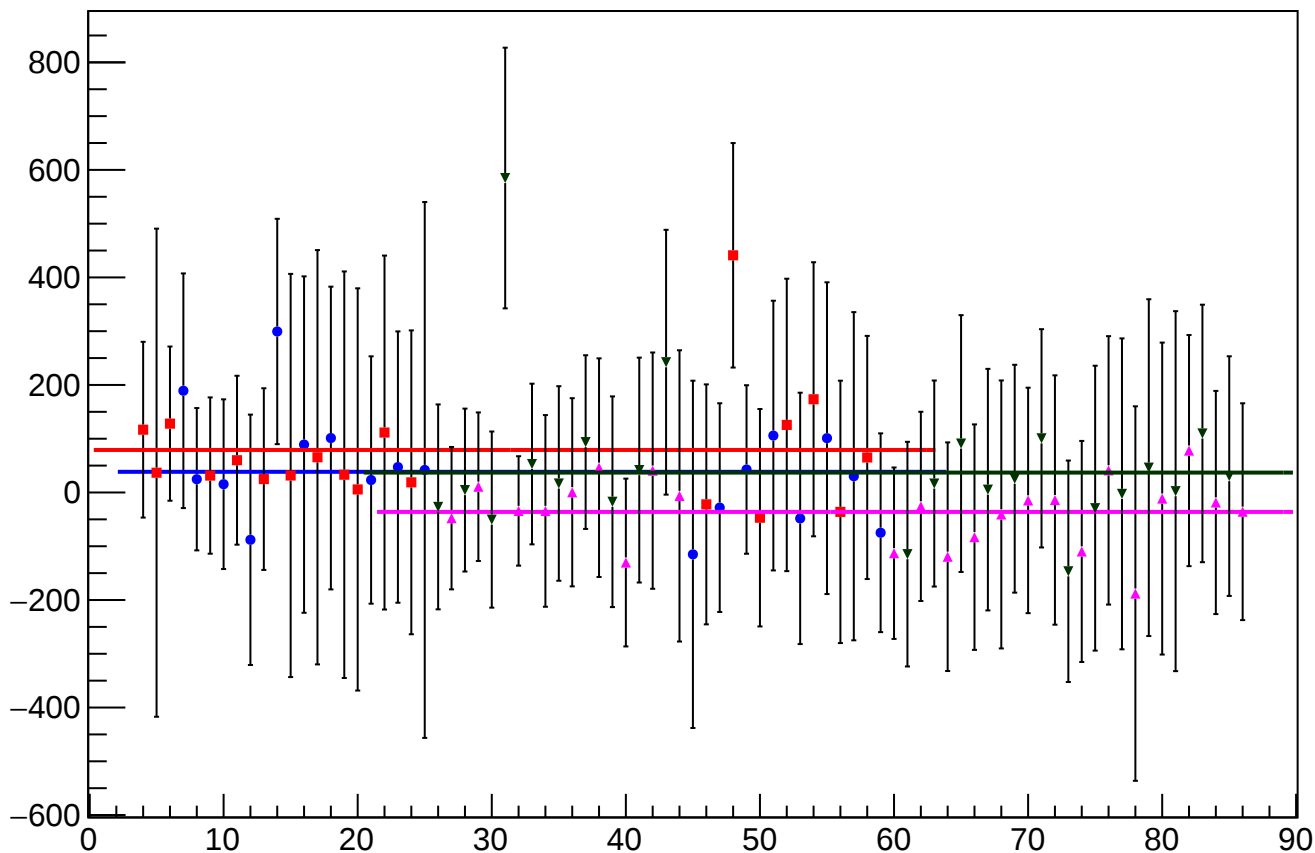
Right Out: 16.920+/-0.004 χ^2/NDF : 5539958.1/18

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

16.529+/-0.003 χ^2/NDF : 5236972.5/40

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: 37.000+/-42.836 χ^2/NDF : 8.2/22

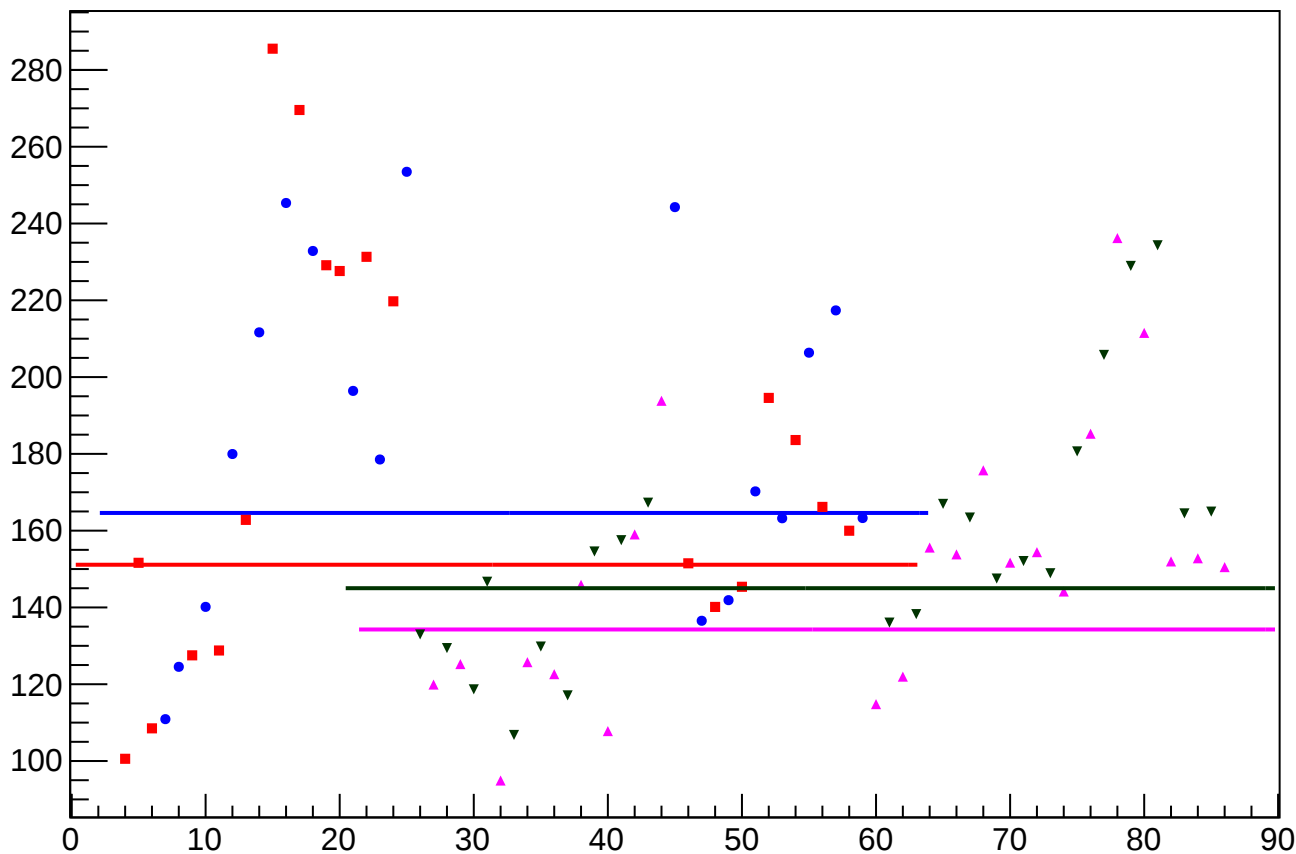
Right Out: 79.078+/-50.233 χ^2/NDF : 4.5/18

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

37.599+/-32.812 χ^2/NDF : 11.6/40

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: 145.013 $\pm$ 0.030 χ^2 /NDF: 793760.1/22

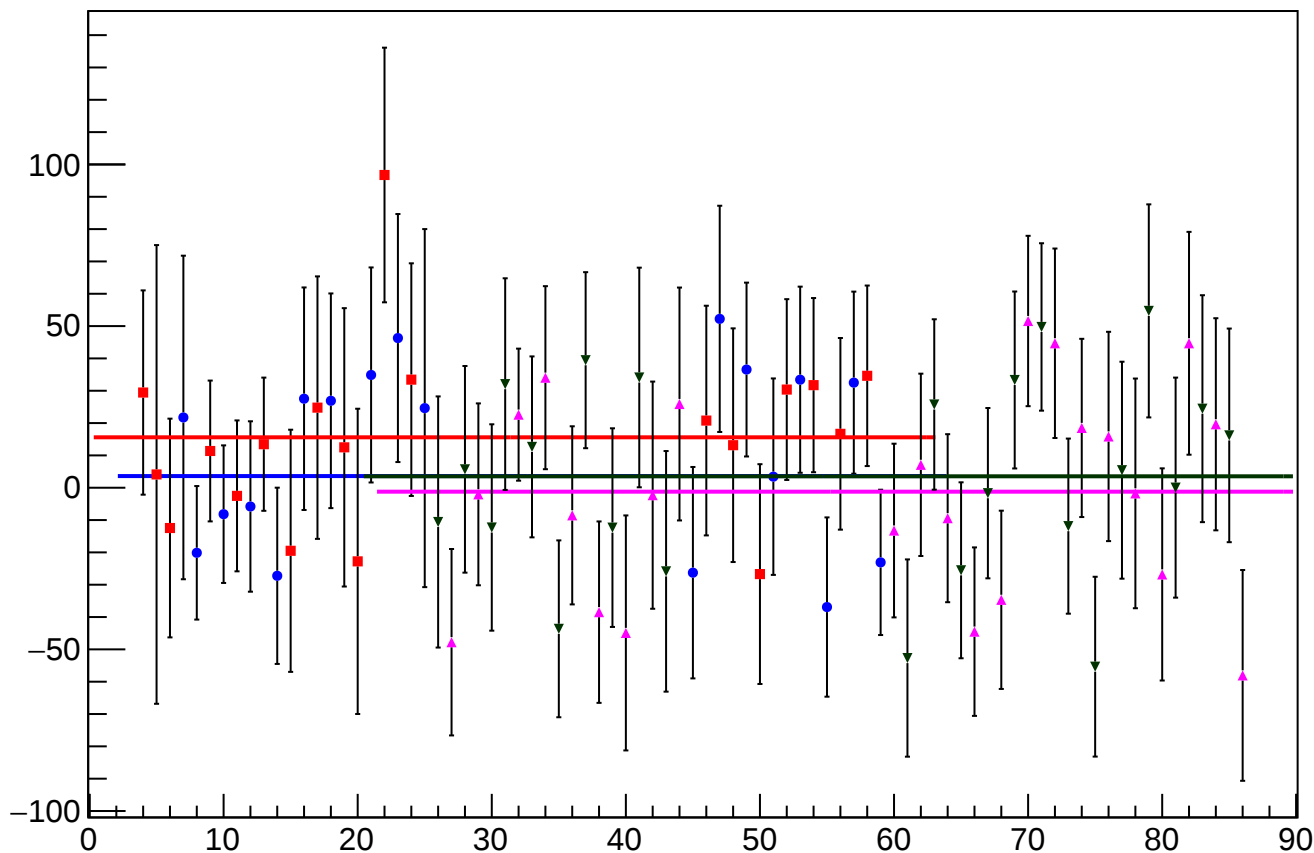
153.113 $\pm$ 0.023 χ^2 /NDF: 2095352.9/40

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 $\chi^2/\text{NDF}: 16.3/17$

Left Out: 3.535 ± 6.280 $\chi^2/\text{NDF}: 25.1/22$

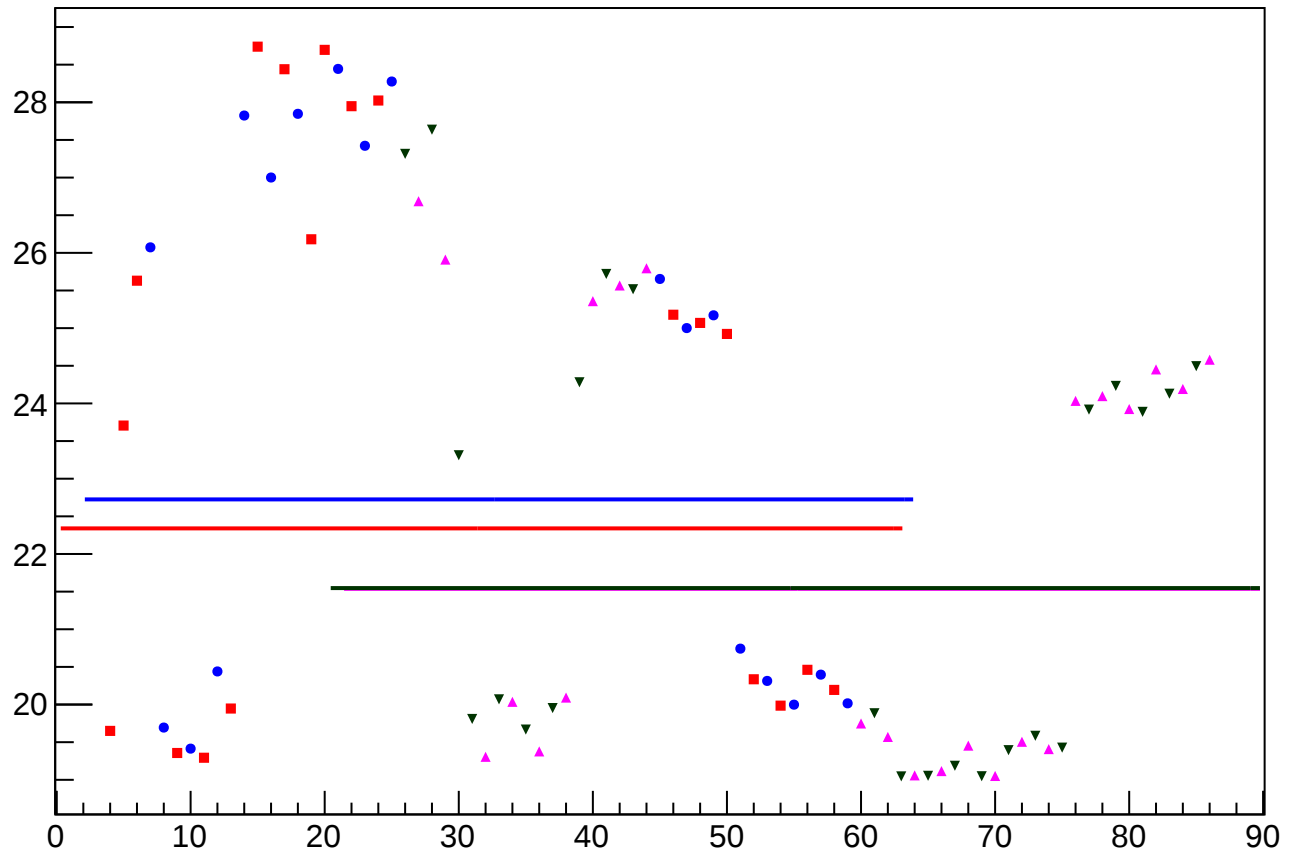
Right Out: 15.596 ± 7.143 $\chi^2/\text{NDF}: 10.3/18$

Left In: -1.221 ± 6.057 $\chi^2/\text{NDF}: 27.1/22$

3.567 ± 4.626 $\chi^2/\text{NDF}: 41.4/40$

5.814 ± 4.620 $\chi^2/\text{NDF}: 40.6/41$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs slug



Right In: 22.725+/-0.005 χ^2 /NDF: 498774.9/17

Left Out: 21.547+/-0.004 χ^2 /NDF:387997.0/22

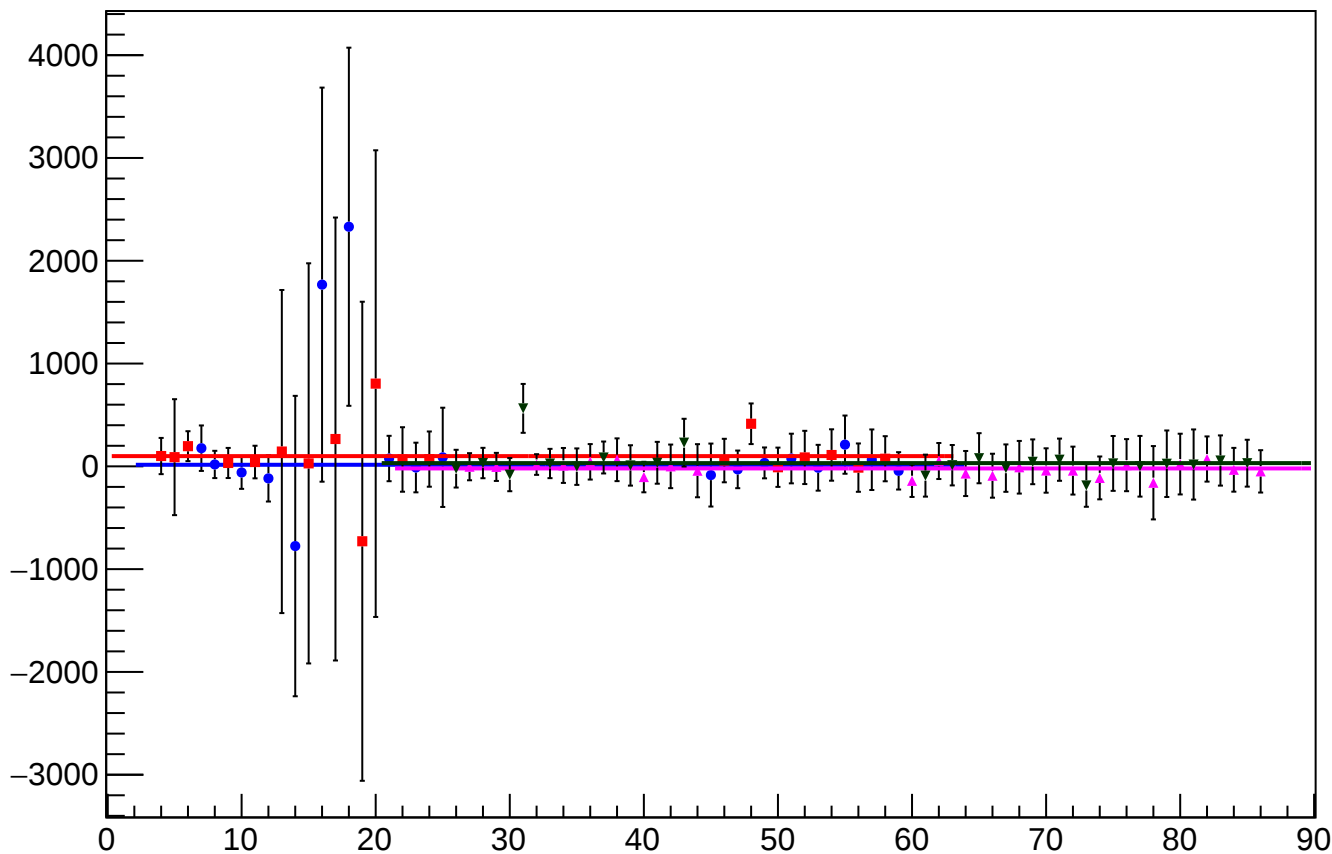
Right Out: 22.340+/-0.005 χ^2 /NDF: 460008.2/18

Left In: 21.537+/-0.004 χ^2 /NDF:418063.2/22

22.086+/-0.003 χ^2 /NDF: 918949.4/40

21.873+/-0.003 χ^2 /NDF: 892774.6/41

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs slug



Right In: 15.197+/-53.019 χ^2/NDF : 5.0/17

Left Out: 31.496+/-42.418 χ^2/NDF : 8.1/22

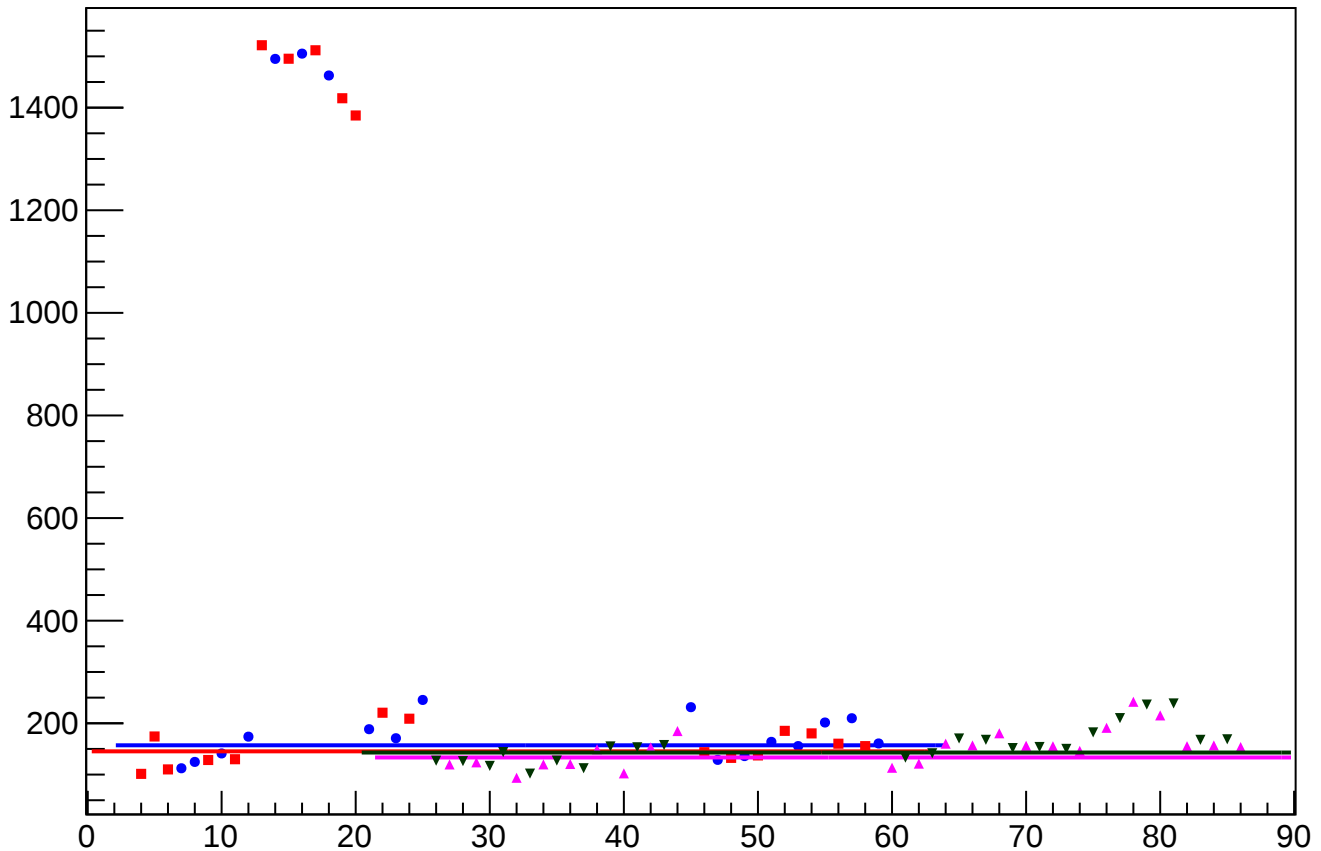
Right Out: 99.514+/-54.286 χ^2/NDF : 4.2/18

Left In: -20.452+/-38.373 χ^2/NDF : 2.4/22

25.135+/-33.122 χ^2/NDF : 13.1/40

19.519+/-31.335 χ^2/NDF : 9.8/41

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs slug



Right In: 157.088 $\pm$ 0.037 χ^2/NDF : 4456786.2/17

Left Out: 143.009 $\pm$ 0.030 χ^2/NDF : 954433.1/22

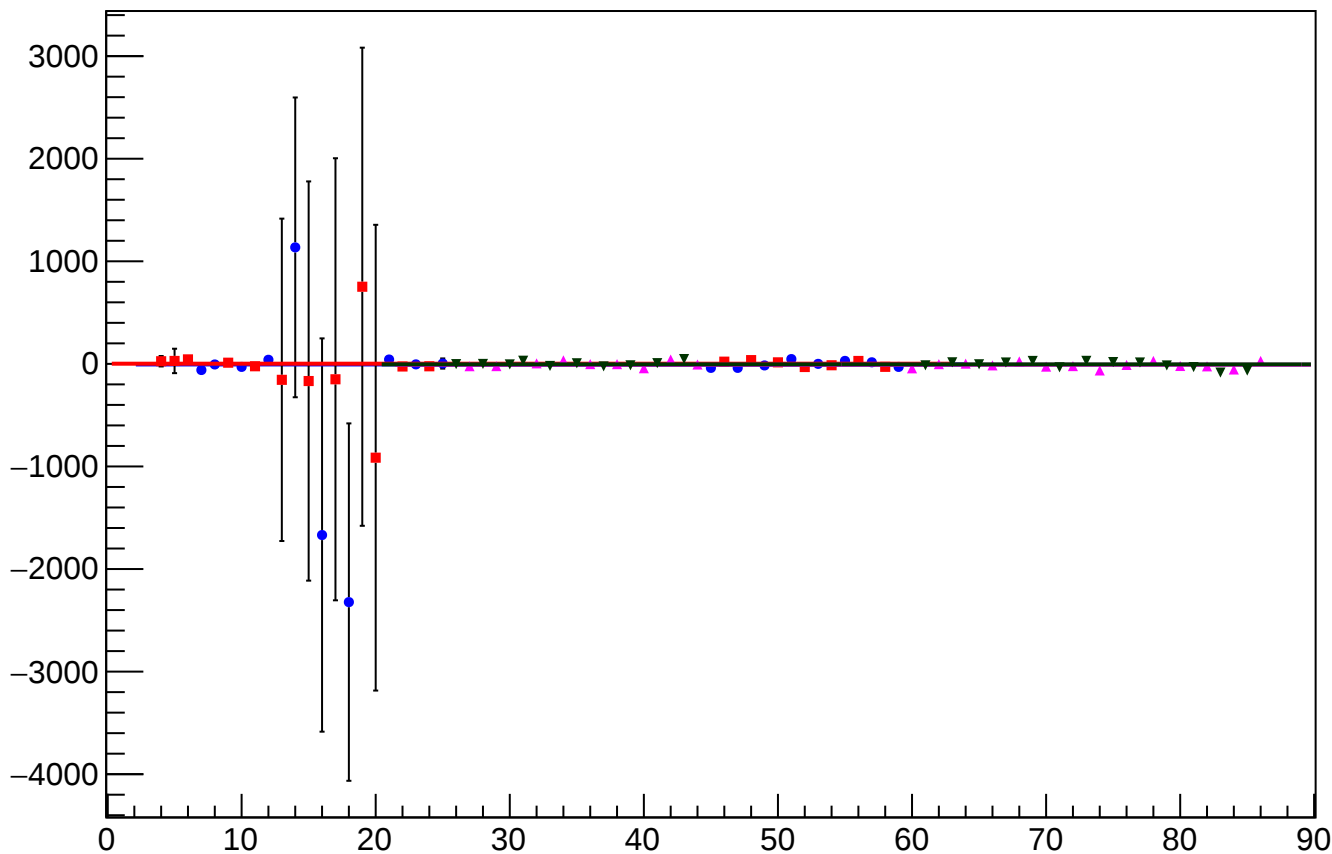
148.504 $\pm$ 0.023 χ^2/NDF : 5497205.6/40

Right Out: 145.299 $\pm$ 0.038 χ^2/NDF : 5124139.9/18

137.343 $\pm$ 0.022 χ^2/NDF : 6466989.9/41

Left In: 133.367 $\pm$ 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: -4.918+/-6.110 χ^2/NDF : 21.9/22

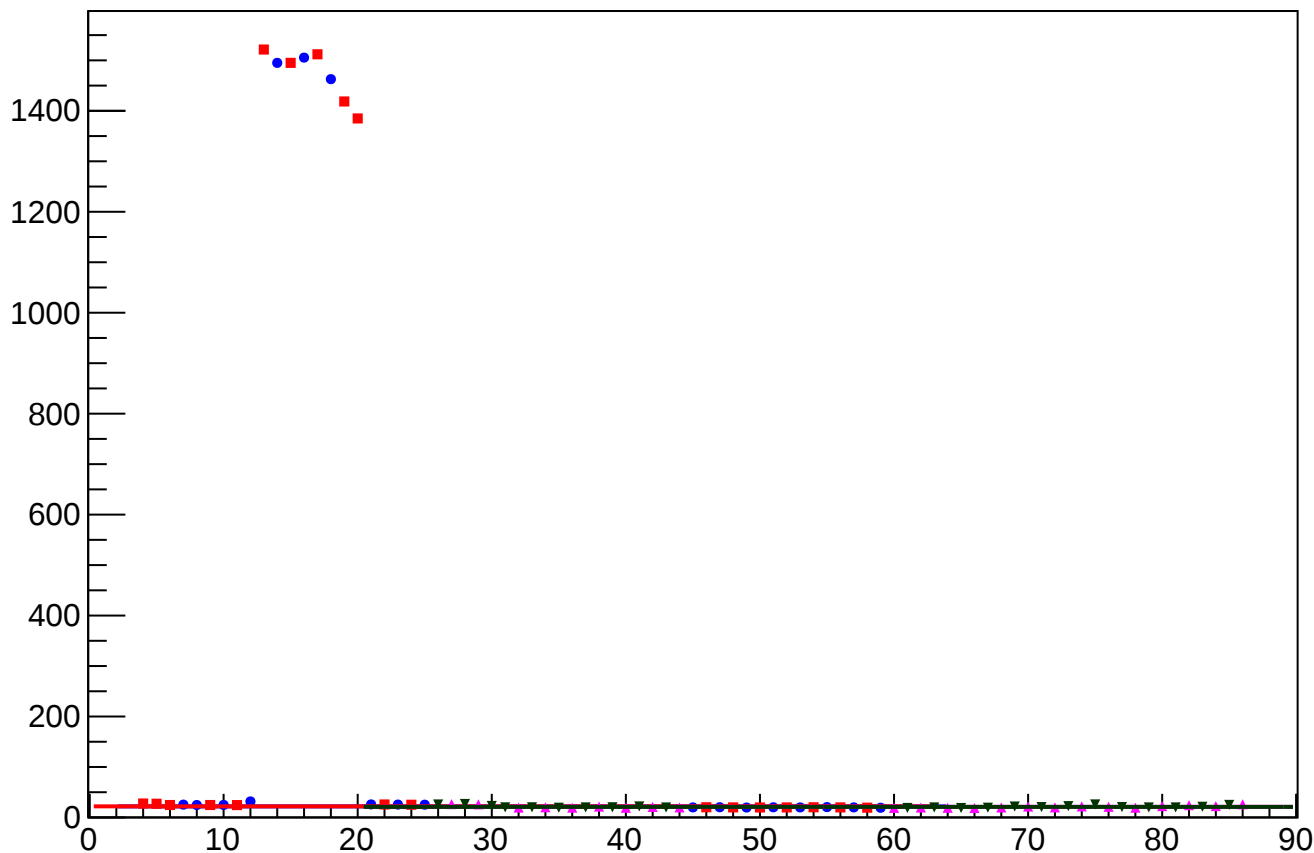
Right Out: 1.722+/-8.261 χ^2/NDF : 10.4/18

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

-5.220+/-4.709 χ^2/NDF : 40.7/40

-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: 20.955 $\pm$ 0.004 χ^2 /NDF: 239910.7/22

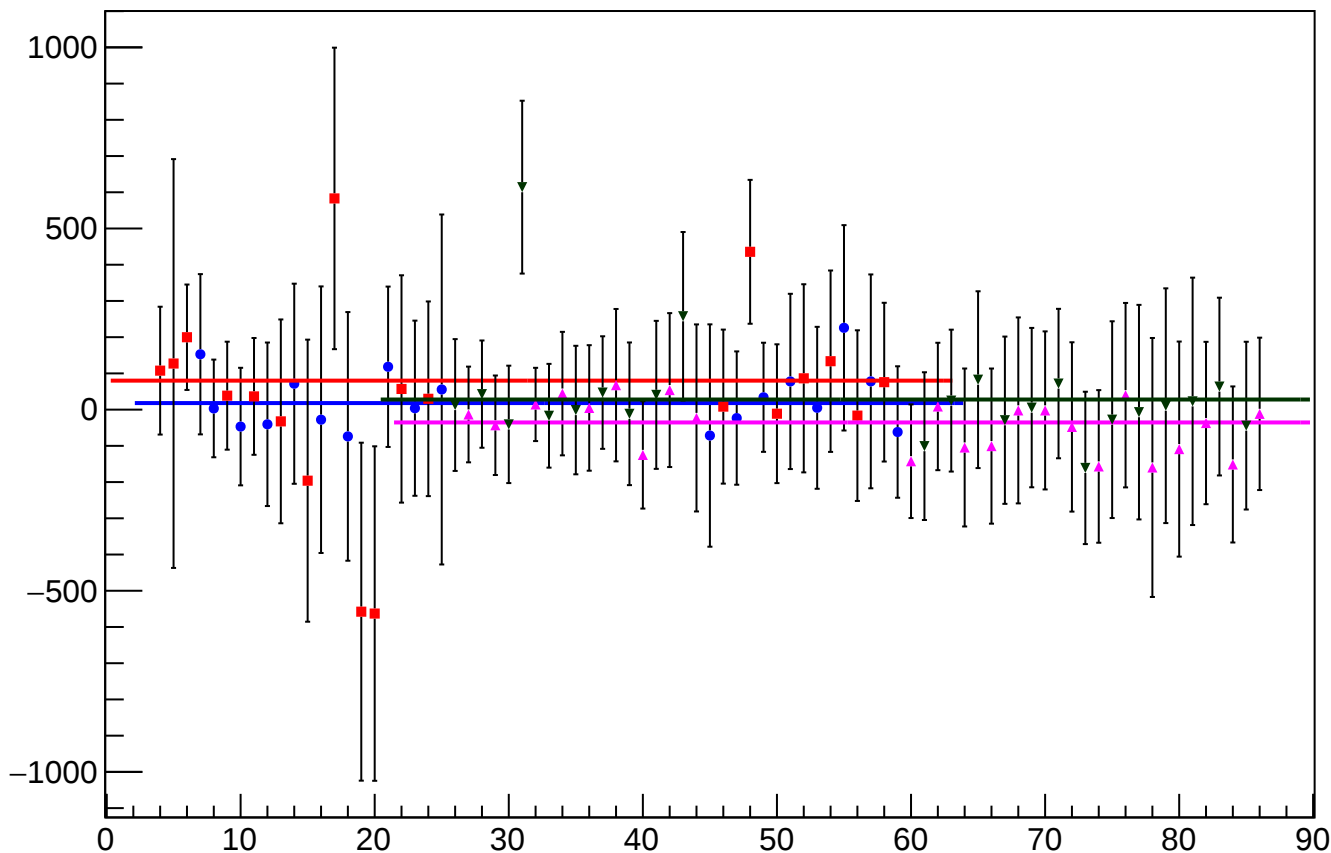
Right Out: 21.987 $\pm$ 0.006 χ^2 /NDF: 5559967.3/18

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

21.346 $\pm$ 0.003 χ^2 /NDF: 5191850.9/40

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: 27.922+/-42.544 χ^2/NDF : 8.9/22

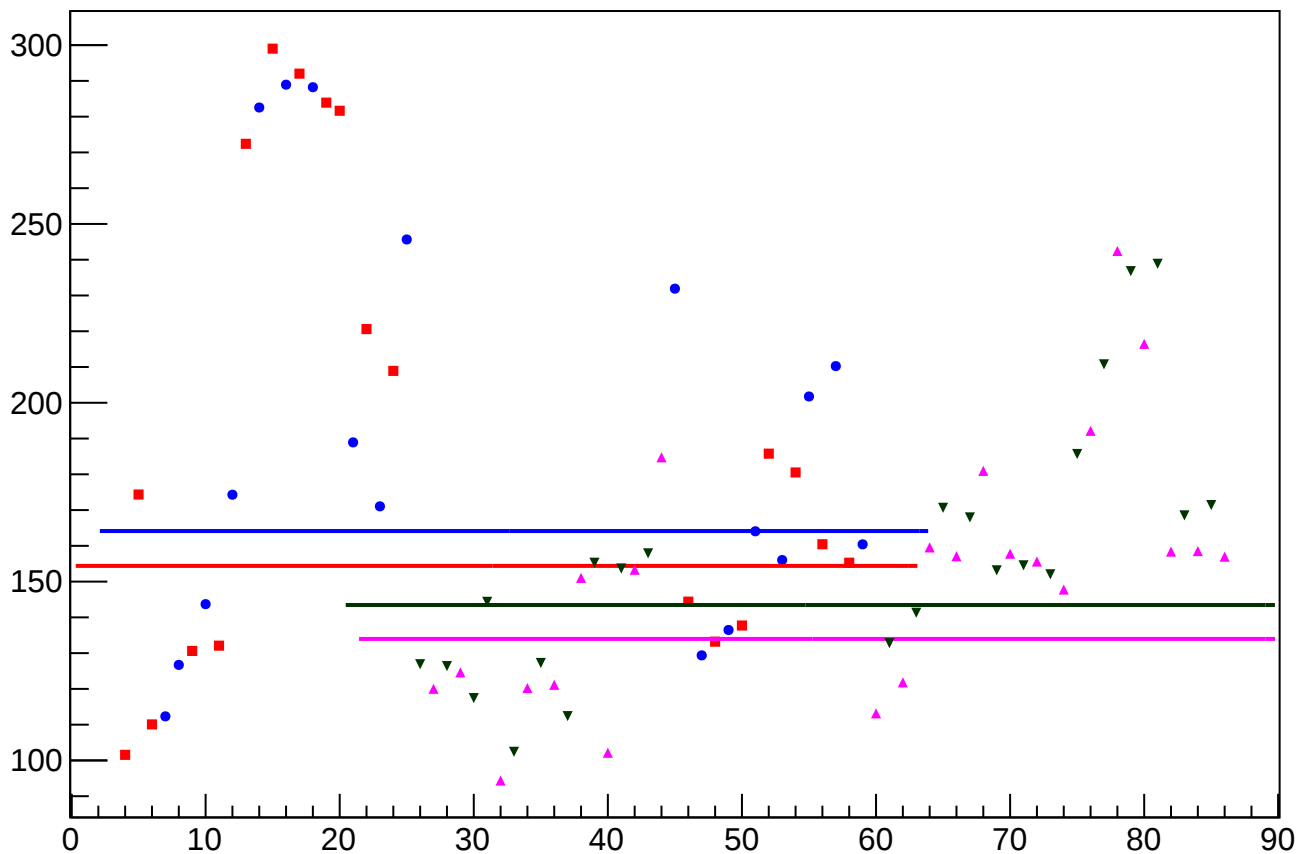
Right Out: 80.043+/-52.081 χ^2/NDF : 10.6/18

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

23.925+/-32.756 χ^2/NDF : 10.9/40

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: 143.461 $\pm$ 0.030 χ^2 /NDF: 965510.3/22

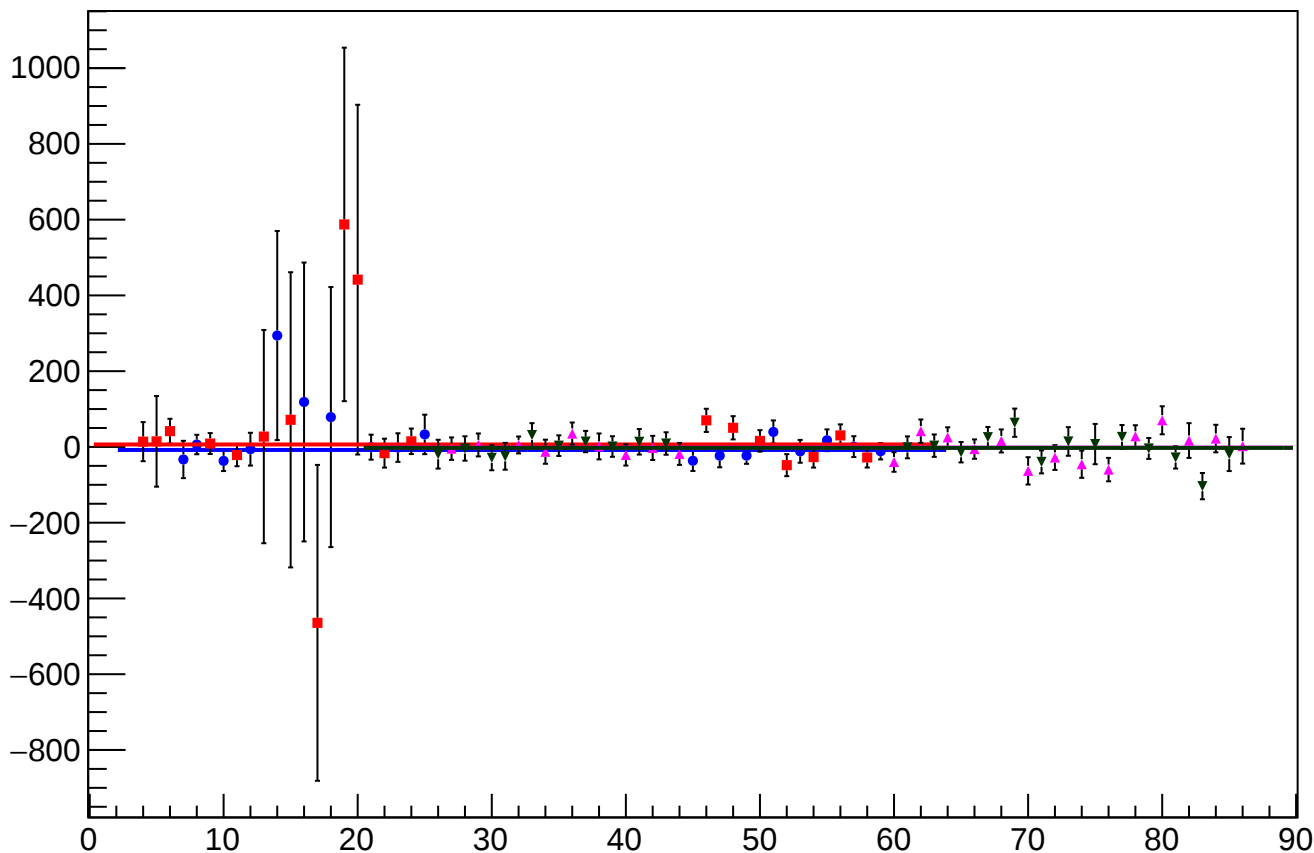
Right Out: 154.395 $\pm$ 0.037 χ^2 /NDF: 1875575.3/18

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

151.881 $\pm$ 0.023 χ^2 /NDF: 2724462.7/40

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: -2.429+/-6.575 χ^2 /NDF:19.6/22

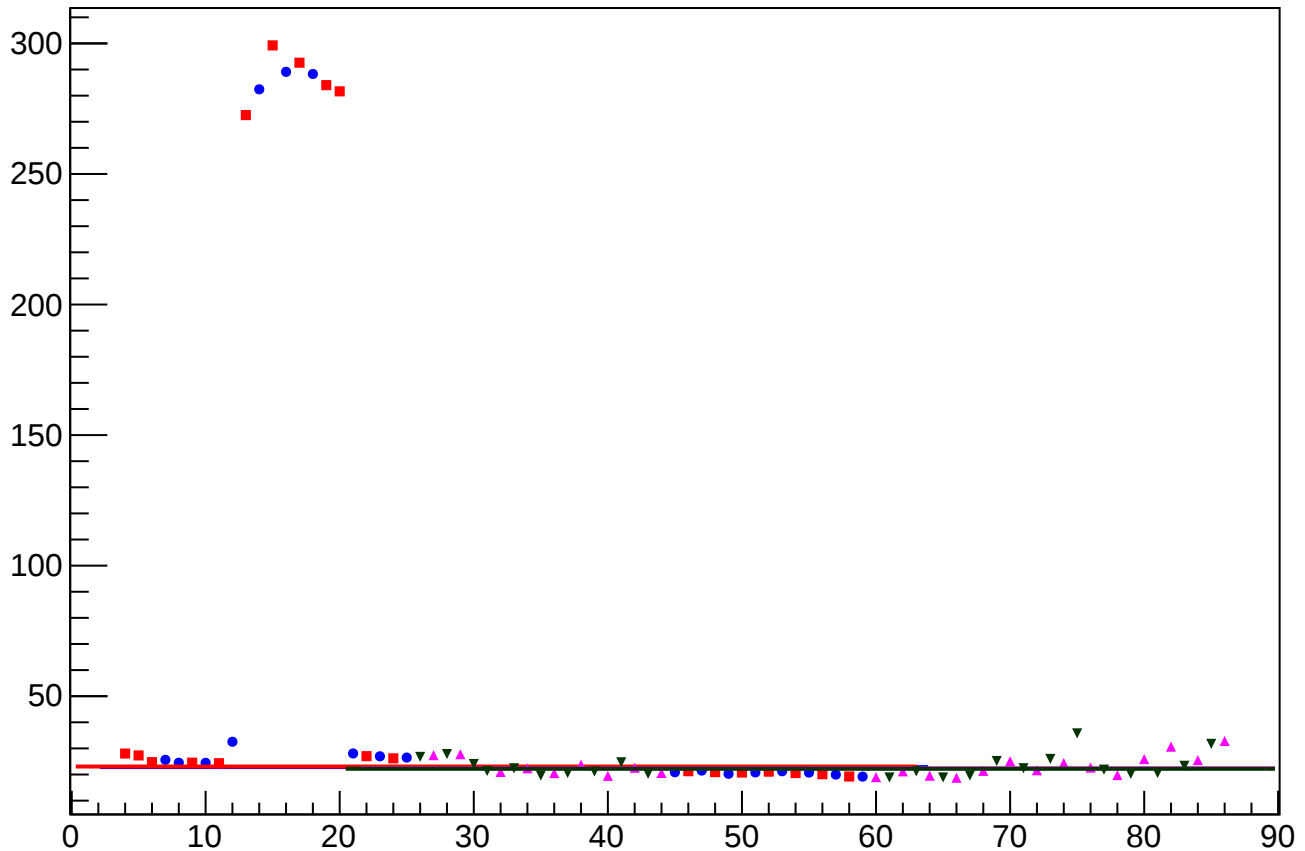
Right Out: 6.463+/-8.479 χ^2 /NDF: 20.1/18

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

-4.805+/-4.974 χ^2 /NDF: 28.9/40

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: 22.212+/-0.005 χ^2/NDF : 494073.0/22

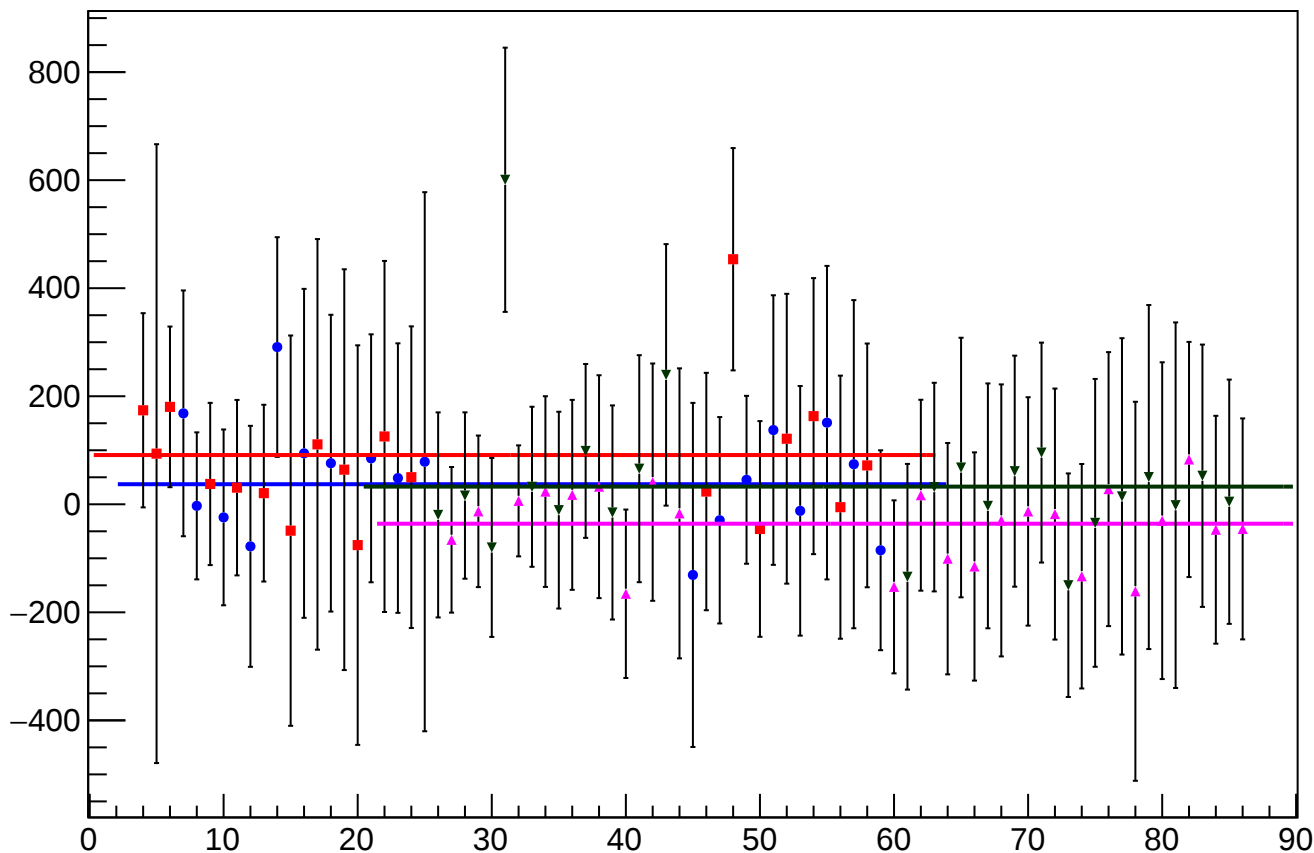
Right Out: 23.069+/-0.006 χ^2/NDF : 4856723.7/18

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

22.487+/-0.004 χ^2/NDF : 4865744.7/40

22.621+/-0.004 χ^2/NDF : 5373142.1/41

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: 32.705 ± 43.058 χ^2/NDF : 8.7/22

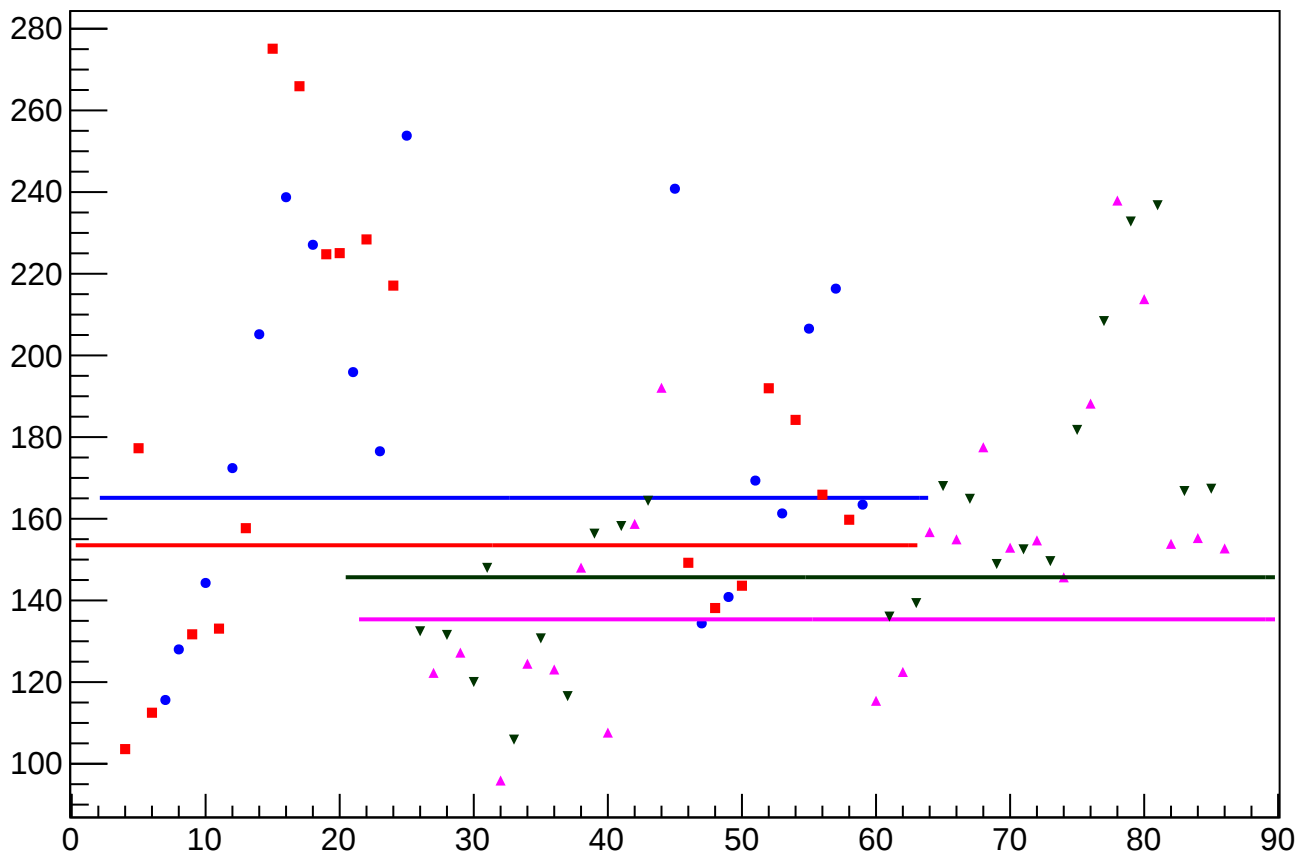
Right Out: 91.157 ± 50.934 χ^2/NDF : 5.3/18

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

34.555 ± 32.911 χ^2/NDF : 12.4/40

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: 145.679+/-0.030 χ^2/NDF : 820804.8/22

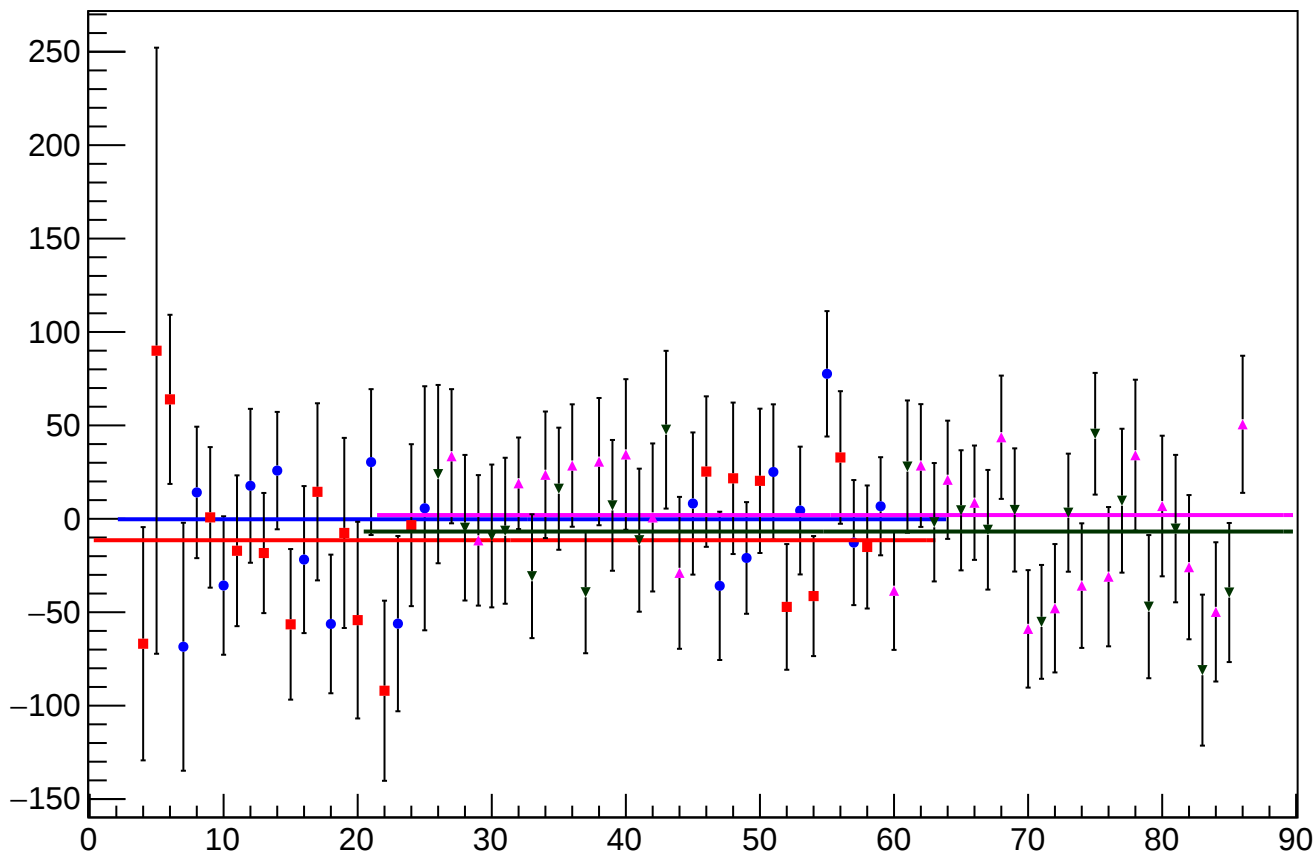
153.765+/-0.023 χ^2/NDF : 1981075.7/40

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: -6.808 ± 7.394 χ^2/NDF : 16.1/22

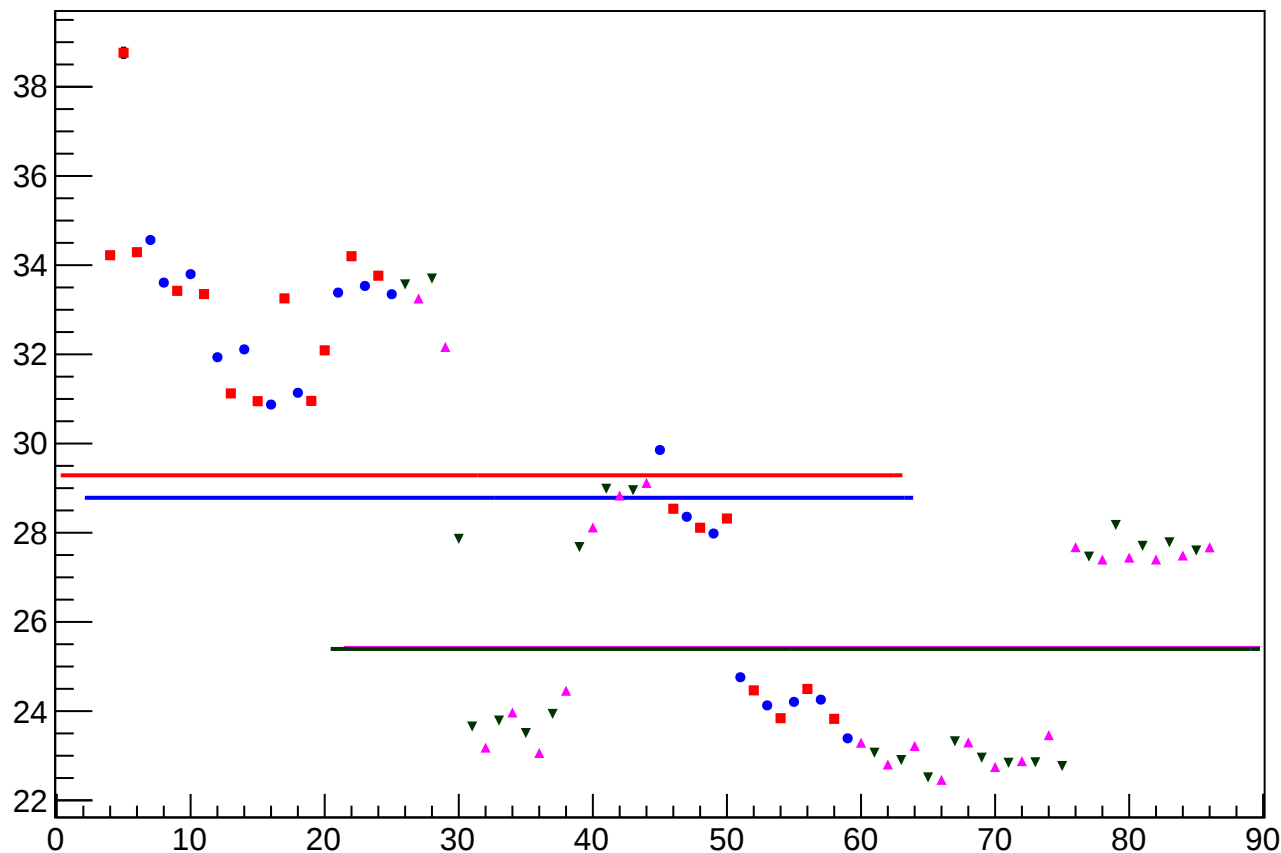
Right Out: -11.462 ± 9.405 χ^2/NDF : 14.9/18

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

-4.033 ± 5.619 χ^2/NDF : 31.5/40

-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: 25.394 $\pm$ 0.005 χ^2/NDF : 351112.4/22

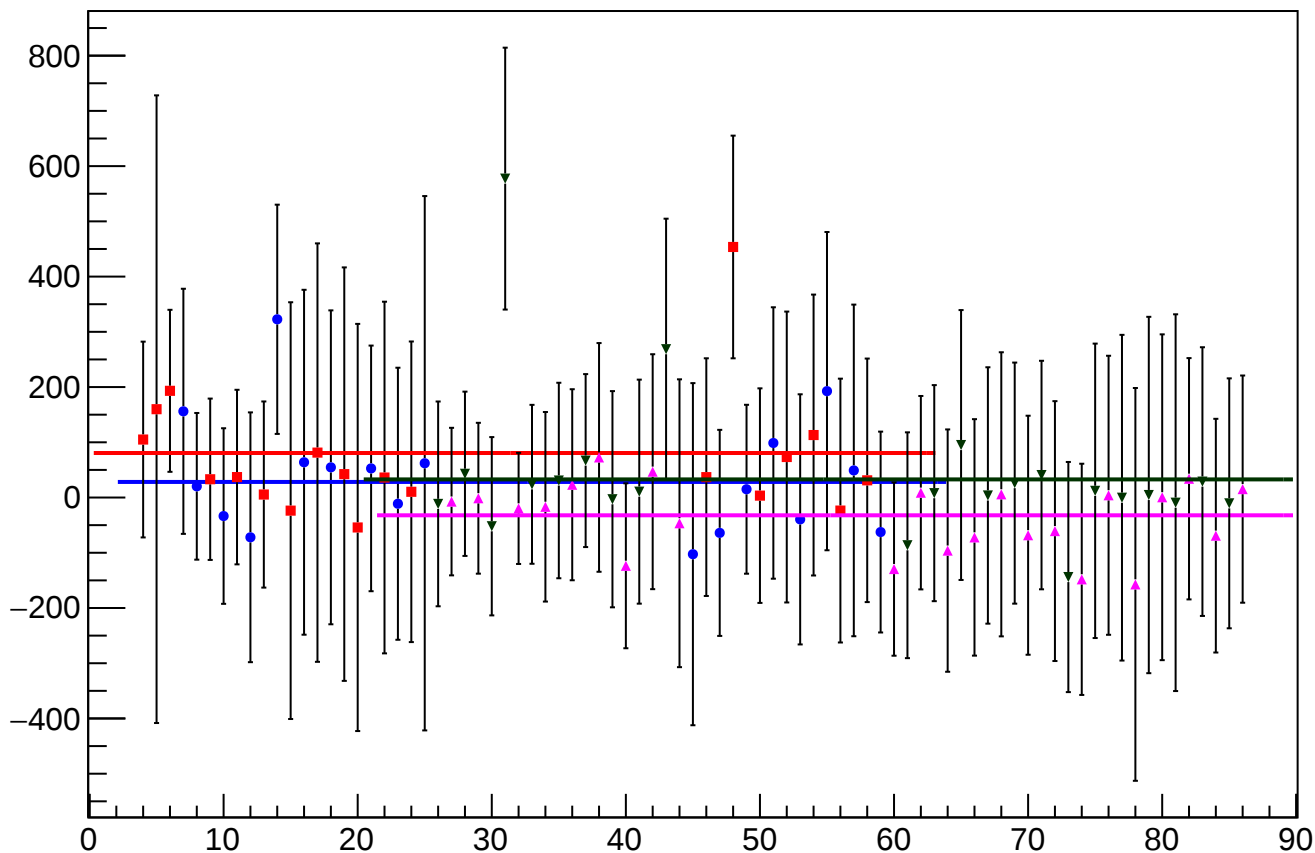
Right Out: 29.288 $\pm$ 0.007 χ^2/NDF : 355757.4/18

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

26.826 $\pm$ 0.004 χ^2/NDF : 947144.3/40

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: 32.821 ± 42.528 χ^2/NDF : 7.9/22

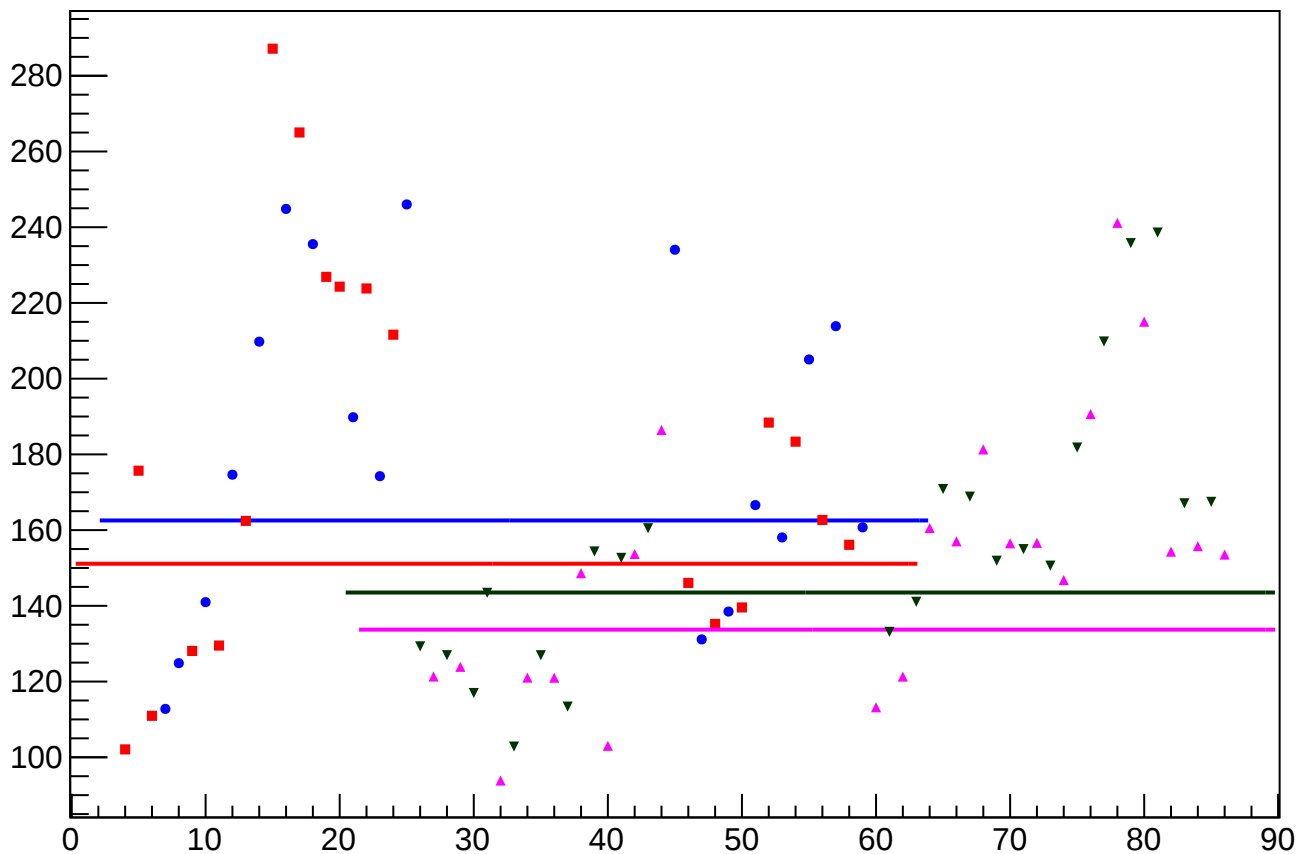
Right Out: 80.614 ± 50.242 χ^2/NDF : 5.2/18

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

30.907 ± 32.490 χ^2/NDF : 11.9/40

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+/-0.036 χ^2/NDF : 1089314.8/17

Left Out: 143.515+/-0.030 χ^2/NDF : 931218.5/22

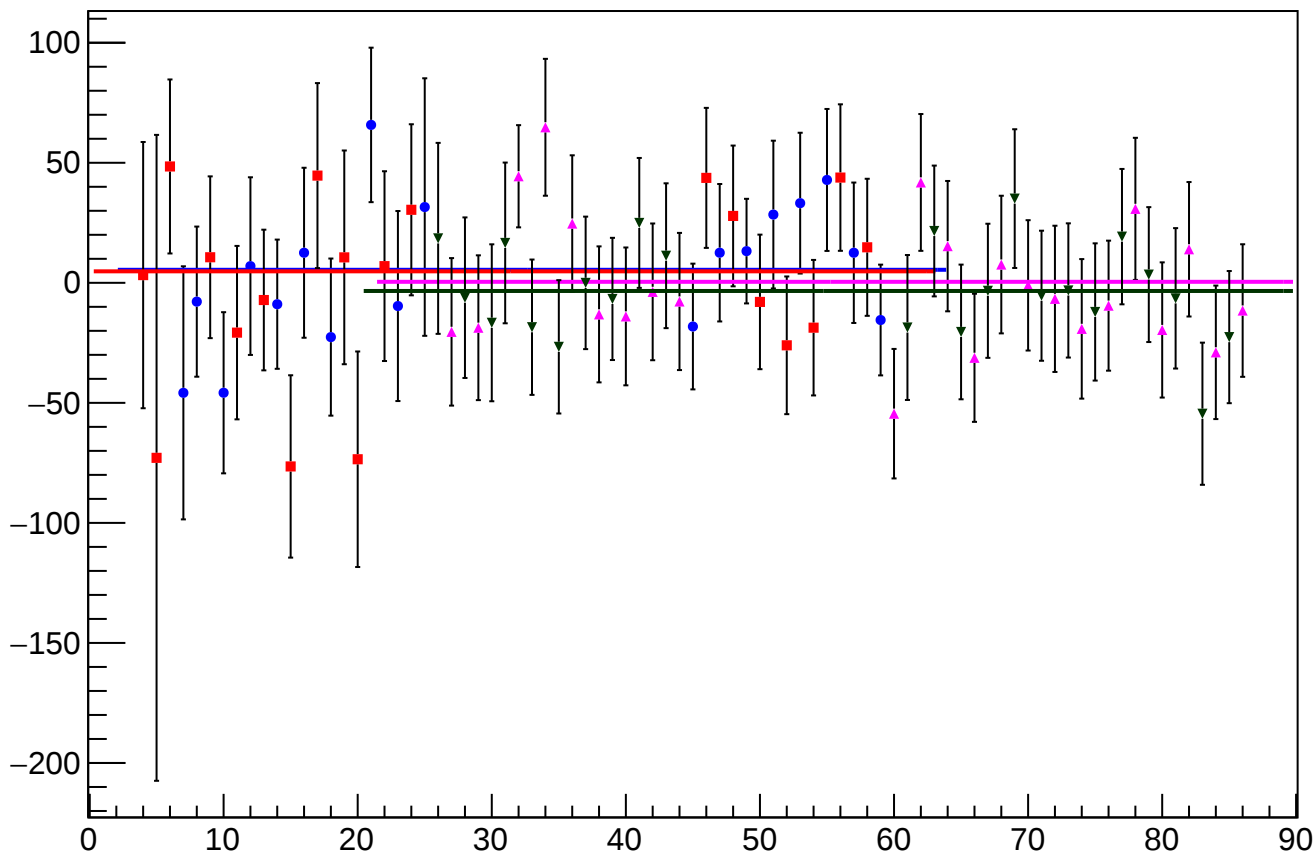
151.440+/-0.023 χ^2/NDF : 2187308.7/40

Right Out: 151.117+/-0.036 χ^2/NDF : 1306443.7/18

140.141+/-0.022 χ^2/NDF : 2725271.2/41

Left In: 133.710+/-0.027 χ^2/NDF : 1267437.9/22

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: -3.397 ± 6.036 χ^2/NDF : 10.7/22

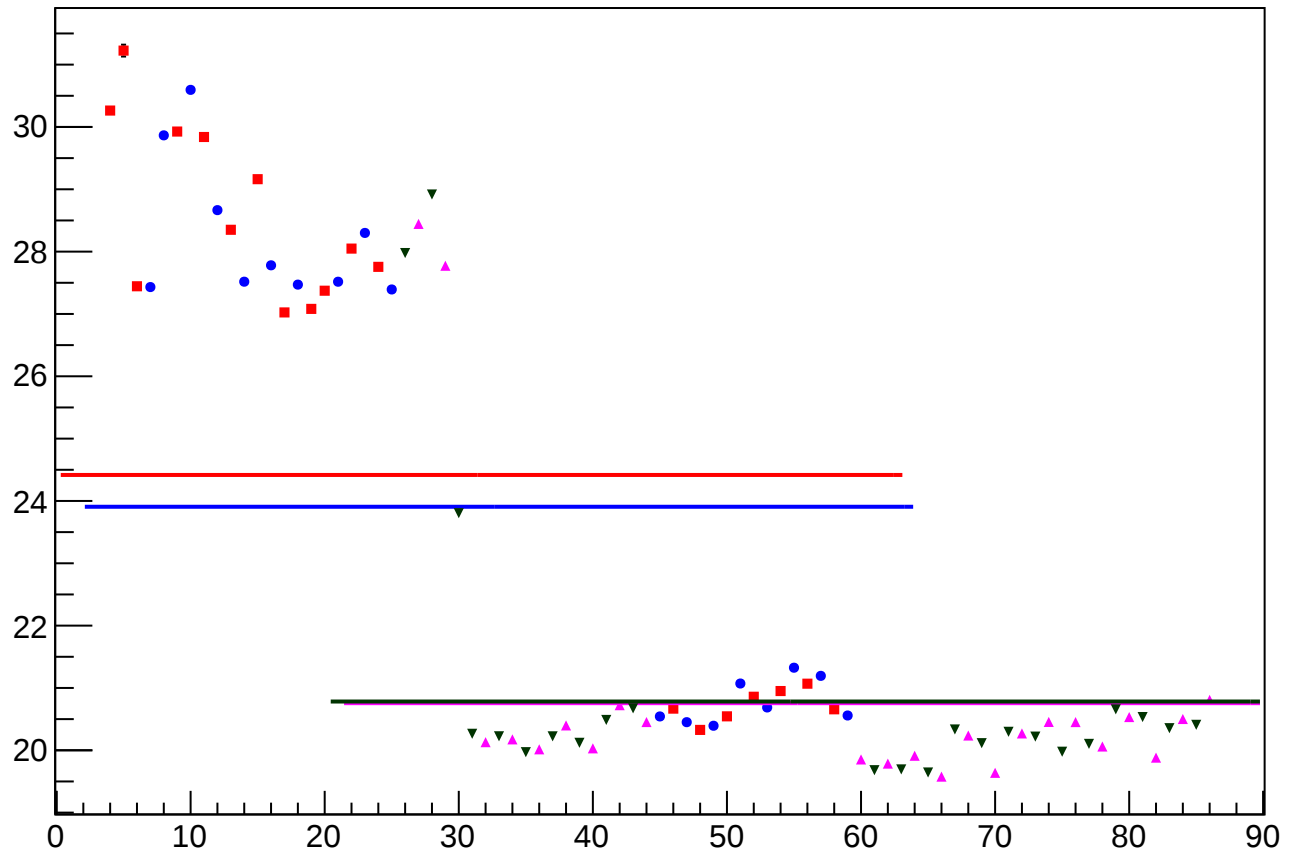
Right Out: 4.784 ± 7.872 χ^2/NDF : 17.9/18

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

0.242 ± 4.627 χ^2/NDF : 24.9/40

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: 20.782 $\pm$ 0.004 χ^2/NDF : 222231.0/22

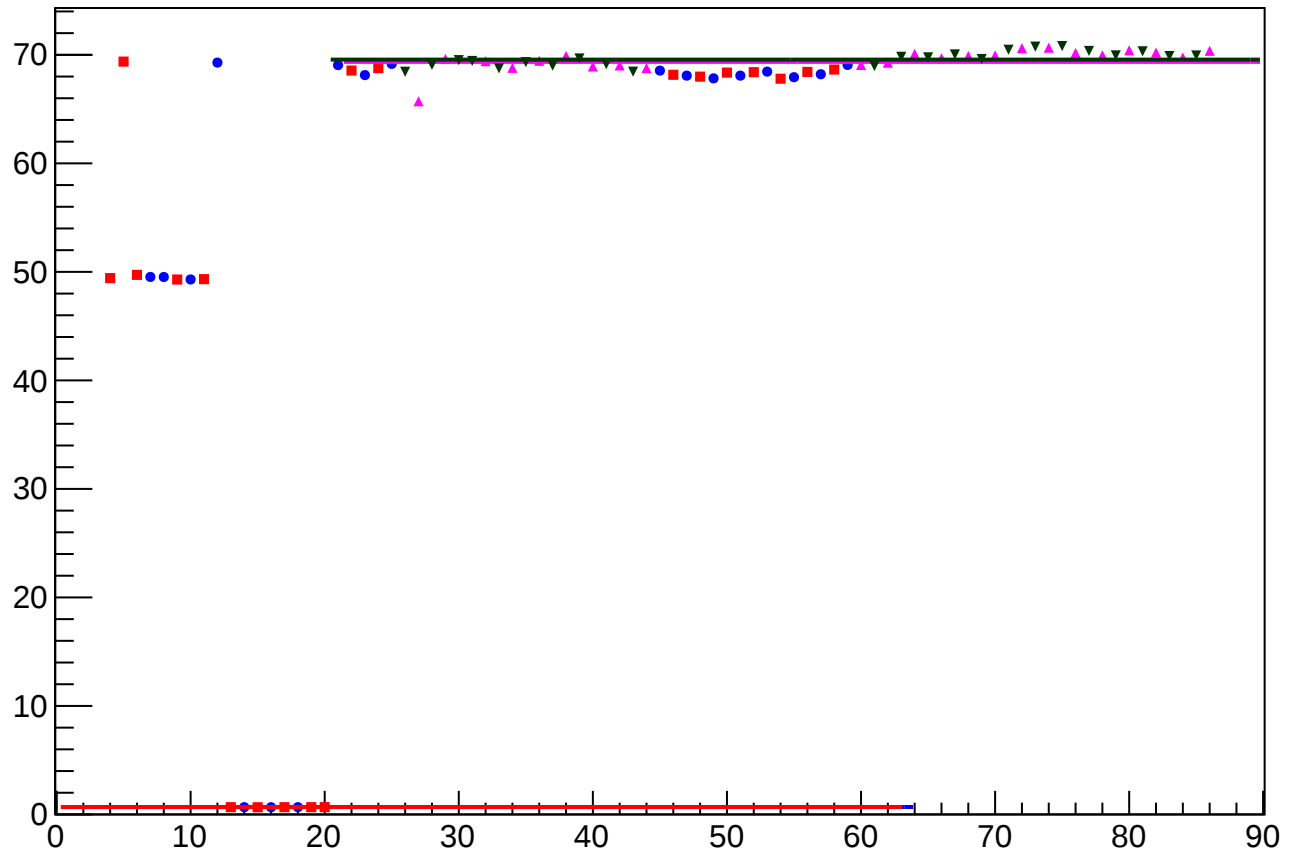
Right Out: 24.417 $\pm$ 0.006 χ^2/NDF : 496476.9/18

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

22.071 $\pm$ 0.003 χ^2/NDF : 1009156.0/40

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: 0.684 ± 0.000 χ^2/NDF : 129851130.0/22

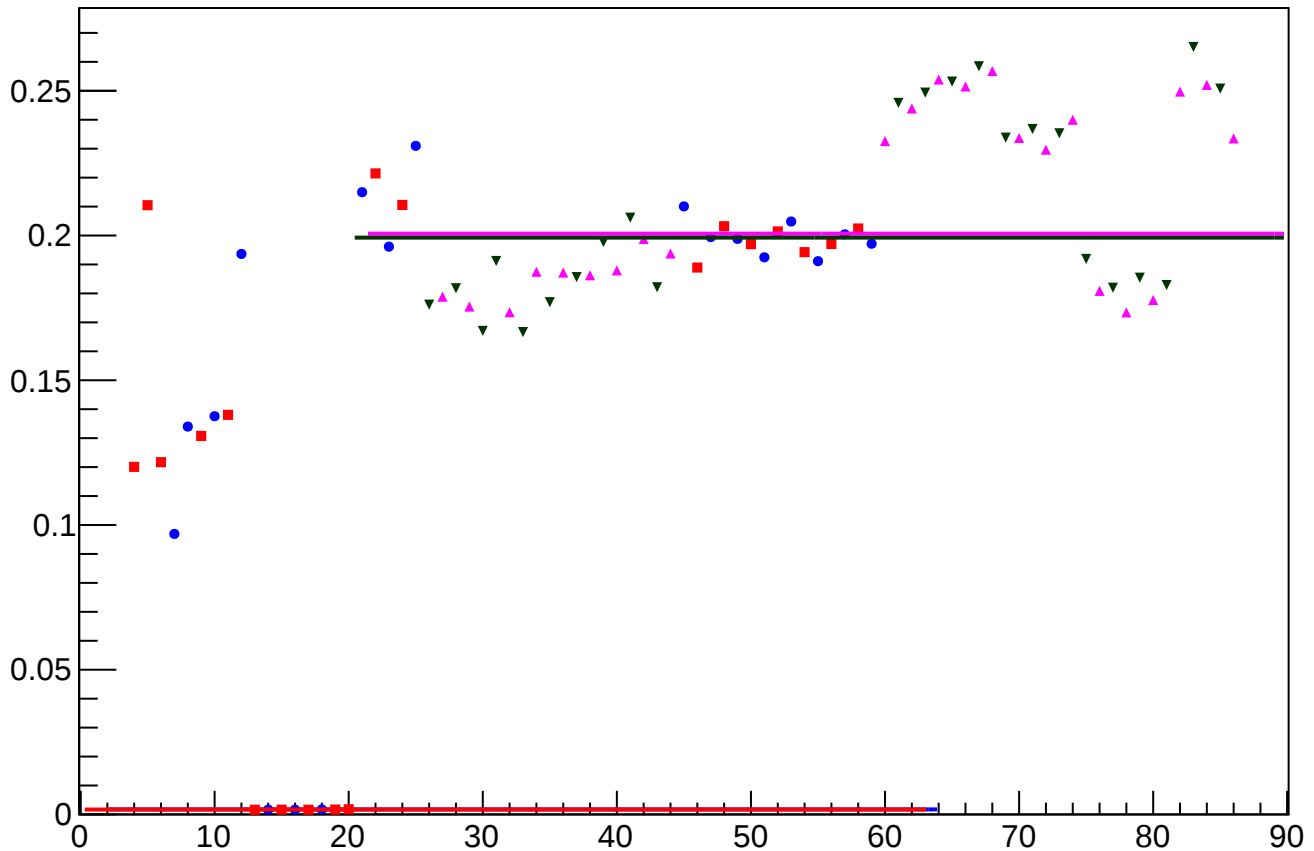
0.712 ± 0.000 χ^2/NDF : 2401420796380.5/40

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

0.705 ± 0.000 χ^2/NDF : 2286044065361.9/41

Left In: 0.684 ± 0.000 χ^2/NDF : 449093282.7/22

yield_bcm_an_ds_rms vs slug



Right In: 0.002+/-0.000 χ^2/NDF : 16897571.8/17

Left Out: 0.199+/-0.000 χ^2/NDF : 507650.2/22

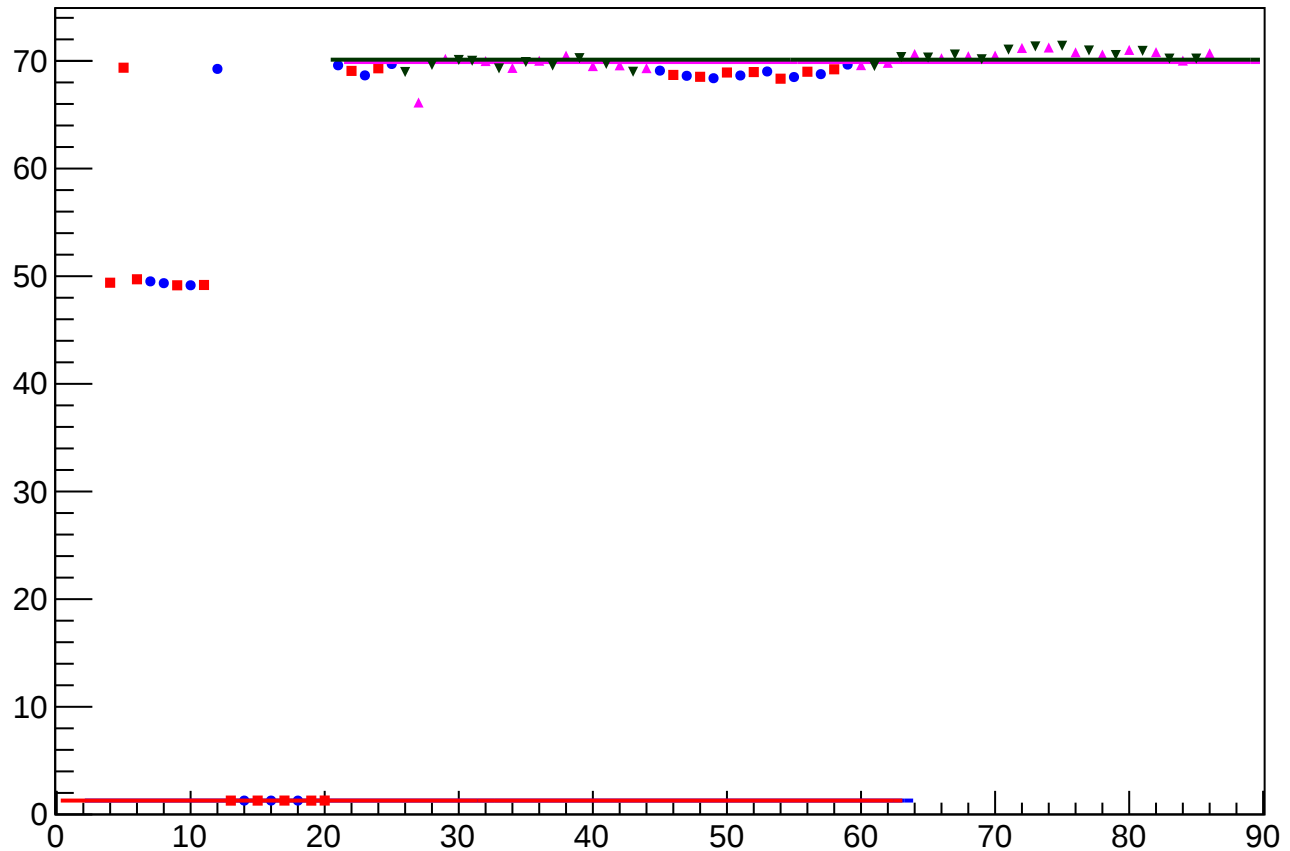
0.002+/-0.000 χ^2/NDF : 39849273.5/40

Right Out: 0.002+/-0.000 χ^2/NDF : 13510450.3/18

0.002+/-0.000 χ^2/NDF : 38209160.5/41

Left In: 0.201+/-0.000 χ^2/NDF : 526671.5/22

yield_bcm_an_ds3_mean vs slug



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

Left Out: 70.114+/-0.000 χ^2/NDF : 128394409.3/22

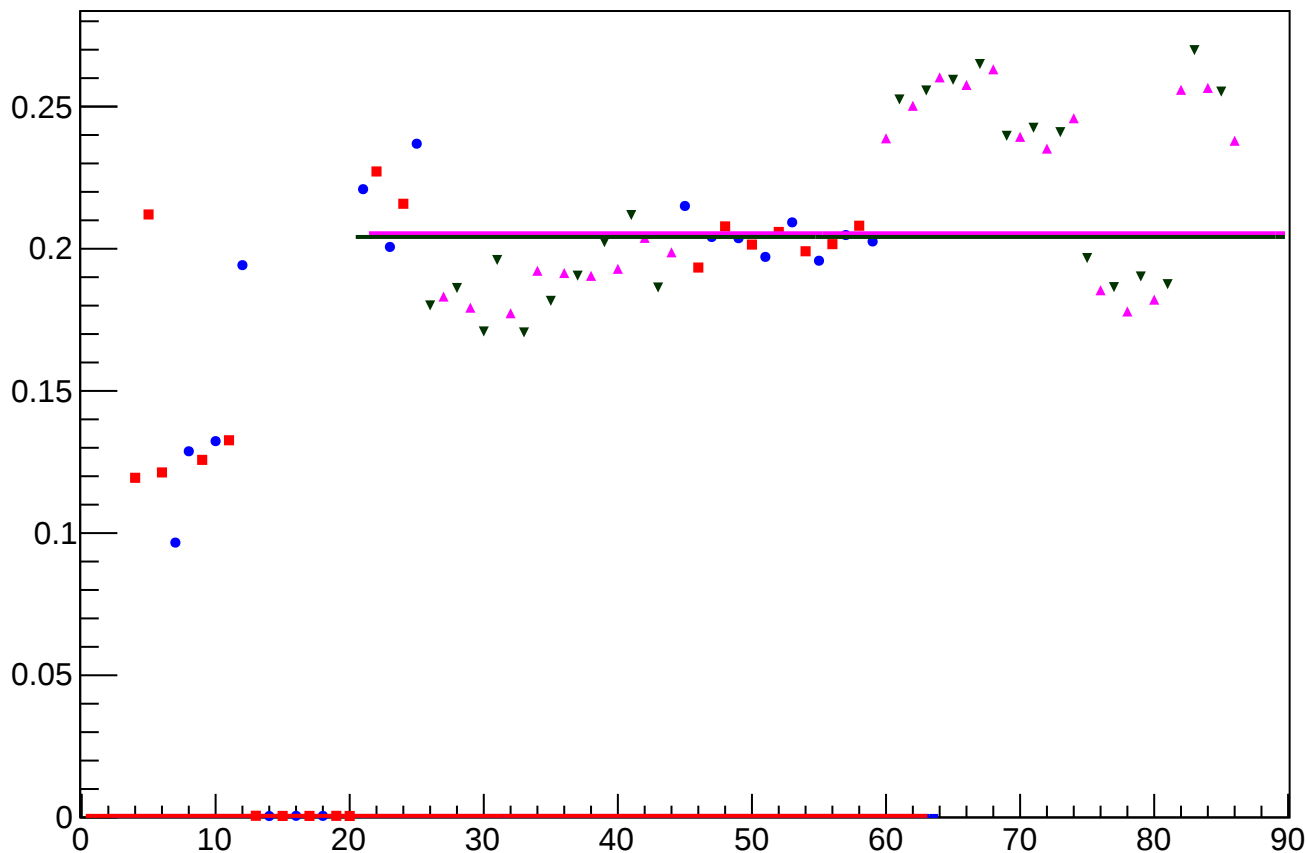
Right Out: 1.290+/-0.000 χ^2/NDF : 826763948171.6/18

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

1.293+/-0.000 χ^2/NDF : 2308747808581.0/40

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 : 504976.2/22

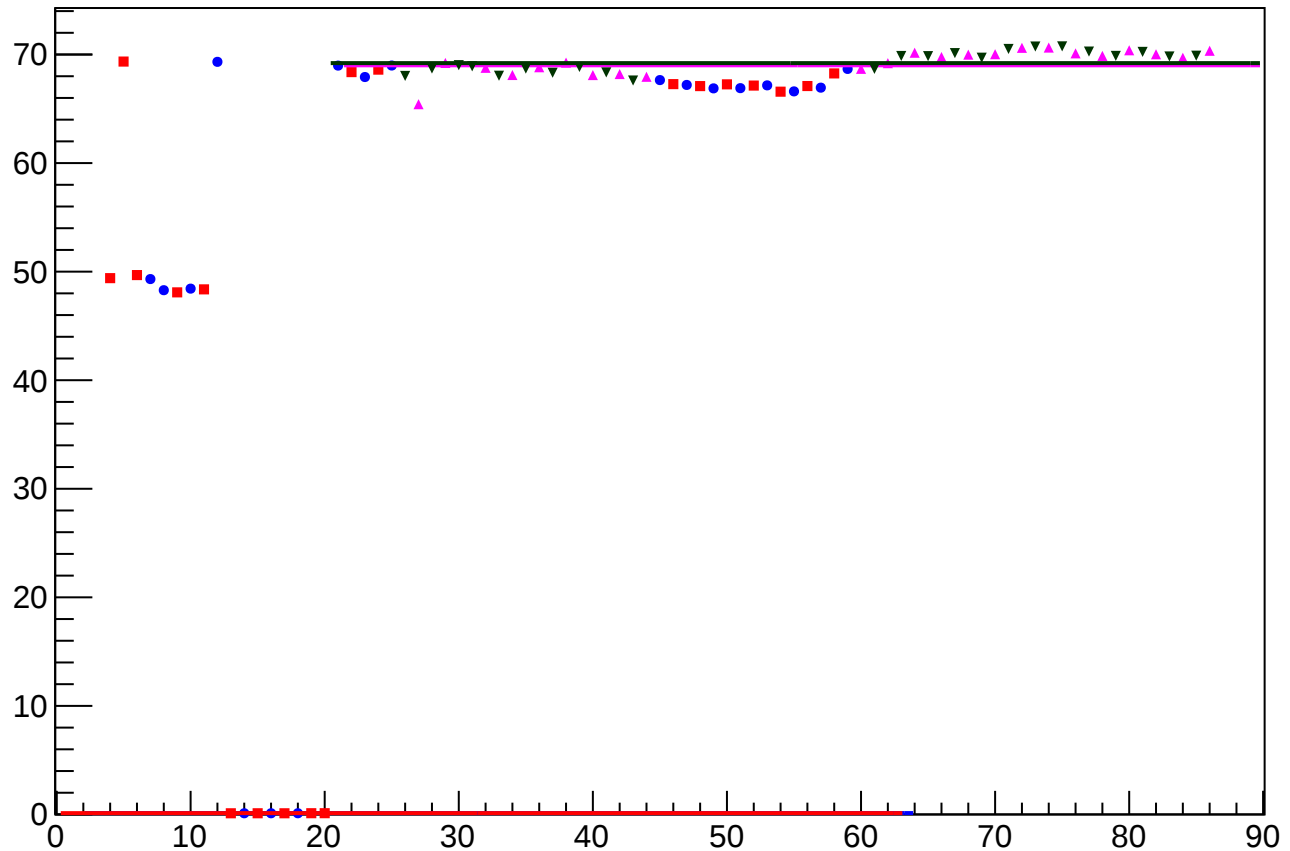
Right Out: 0.001+/-0.000 χ^2/NDF : 13695888.0/18

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

0.001+/-0.000 χ^2/NDF : 40379312.3/40

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: 69.208+/-0.000 χ^2/NDF : 249130074.7/22

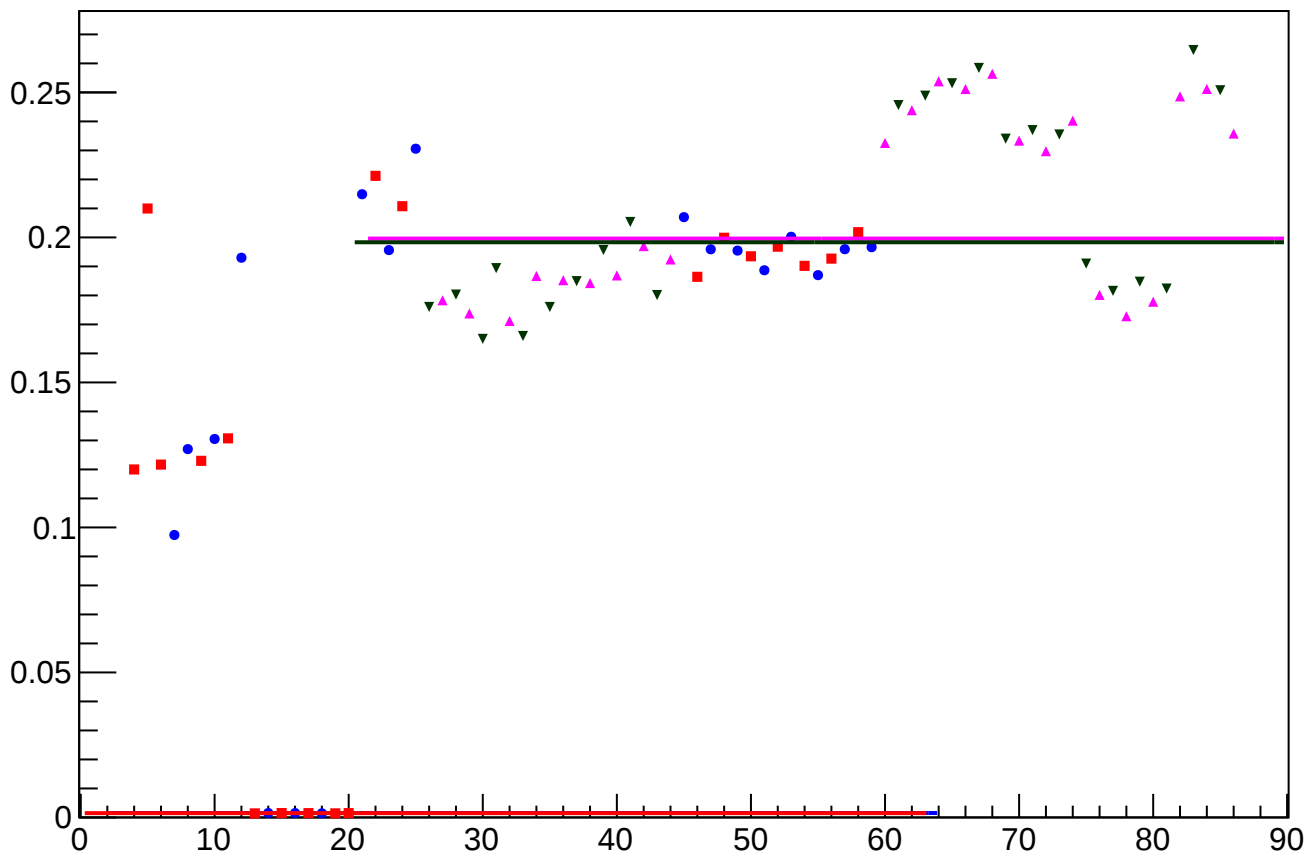
Right Out: 0.122+/-0.000 χ^2/NDF : 876428994690.6/18

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

0.145+/-0.000 χ^2/NDF : 2454164195594.1/40

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

yield_bcm_an_us_rms vs slug



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

Left Out: 0.198+/-0.000 χ^2/NDF : 523628.8/22

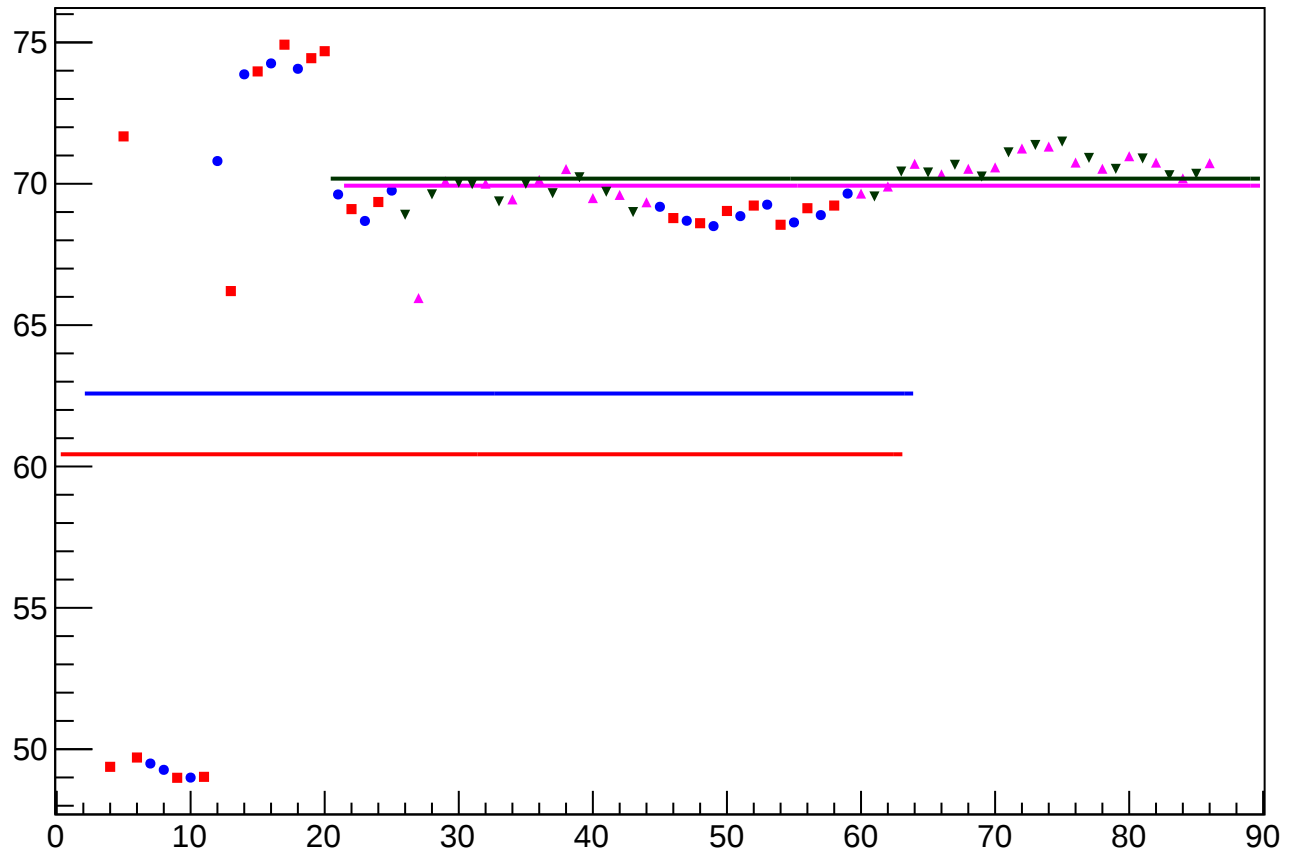
Right Out: 0.001+/-0.000 χ^2/NDF : 13535654.6/18

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

0.002+/-0.000 χ^2/NDF : 39904105.8/40

0.002+/-0.000 χ^2/NDF : 38284215.7/41

yield_bcm_dg_us_mean vs slug



Right In: 62.581 $\pm$ 0.000 χ^2/NDF : 33681231971.4/17

Left Out: 70.182 $\pm$ 0.000 χ^2/NDF : 128232735.5/22

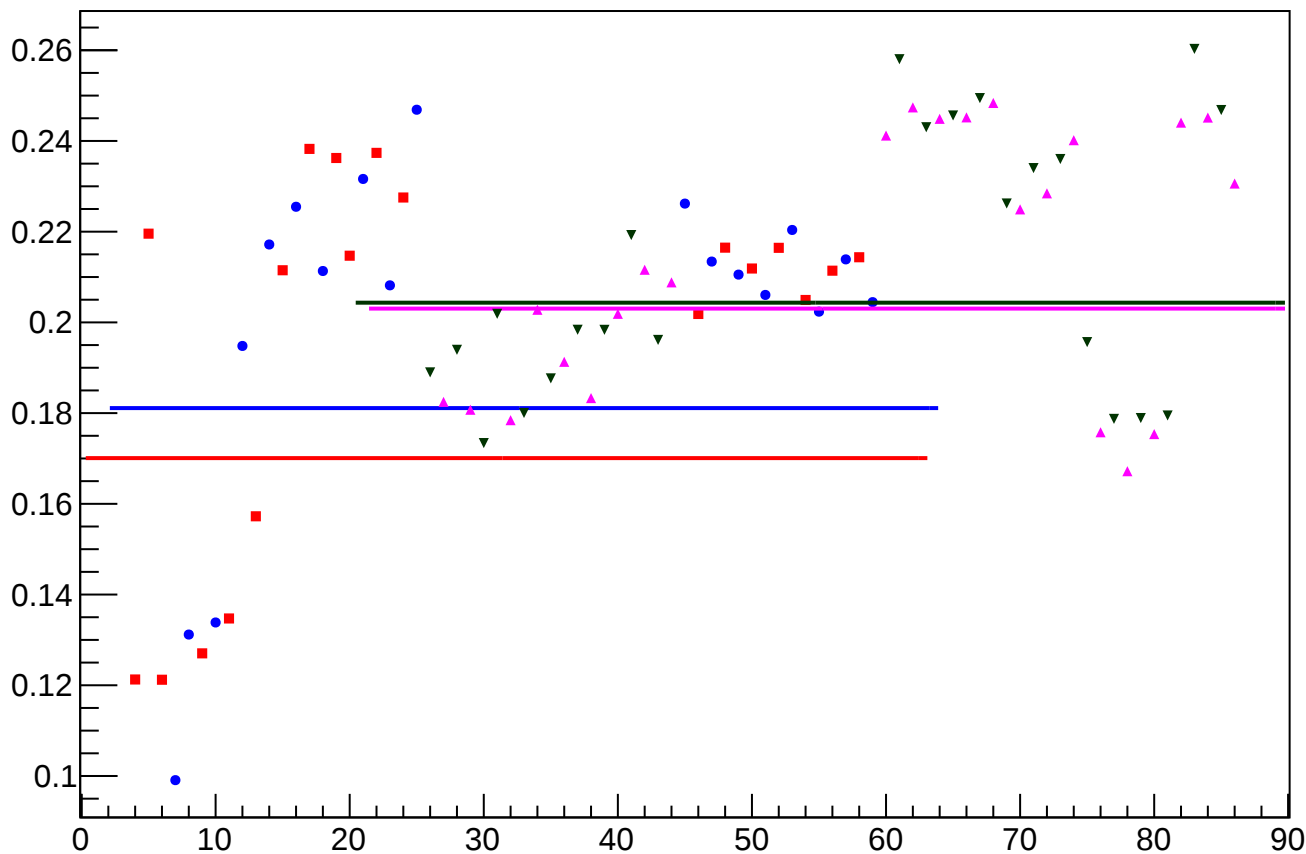
66.131 $\pm$ 0.000 χ^2/NDF : 42280393074.2/40

Right Out: 60.432 $\pm$ 0.000 χ^2/NDF : 32977972131.8/18

65.119 $\pm$ 0.000 χ^2/NDF : 47116668096.9/41

Left In: 69.933 $\pm$ 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 : 384795.1/22

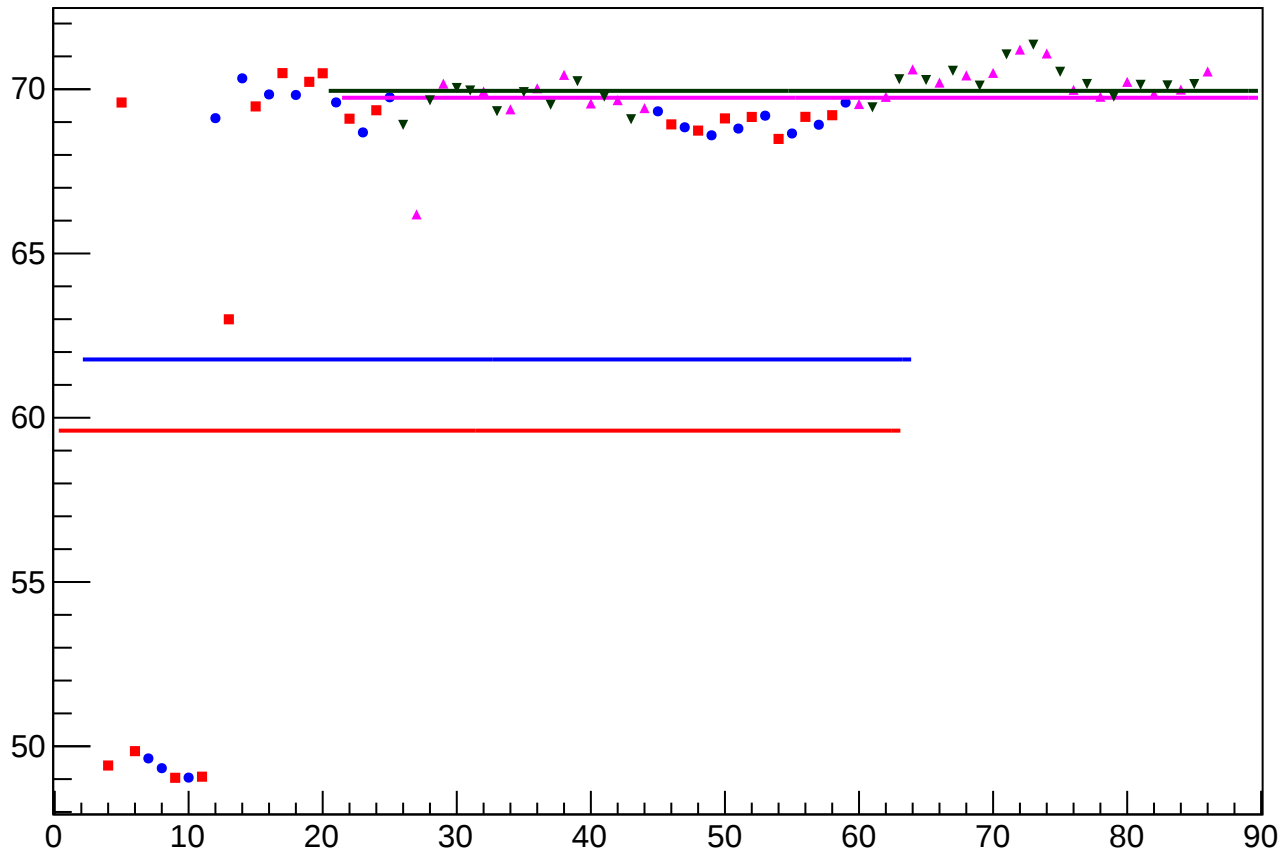
0.192+/-0.000 χ^2/NDF : 1759378.5/40

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: 69.951 $\pm$ 0.000 χ^2 /NDF: 79004095.4/22

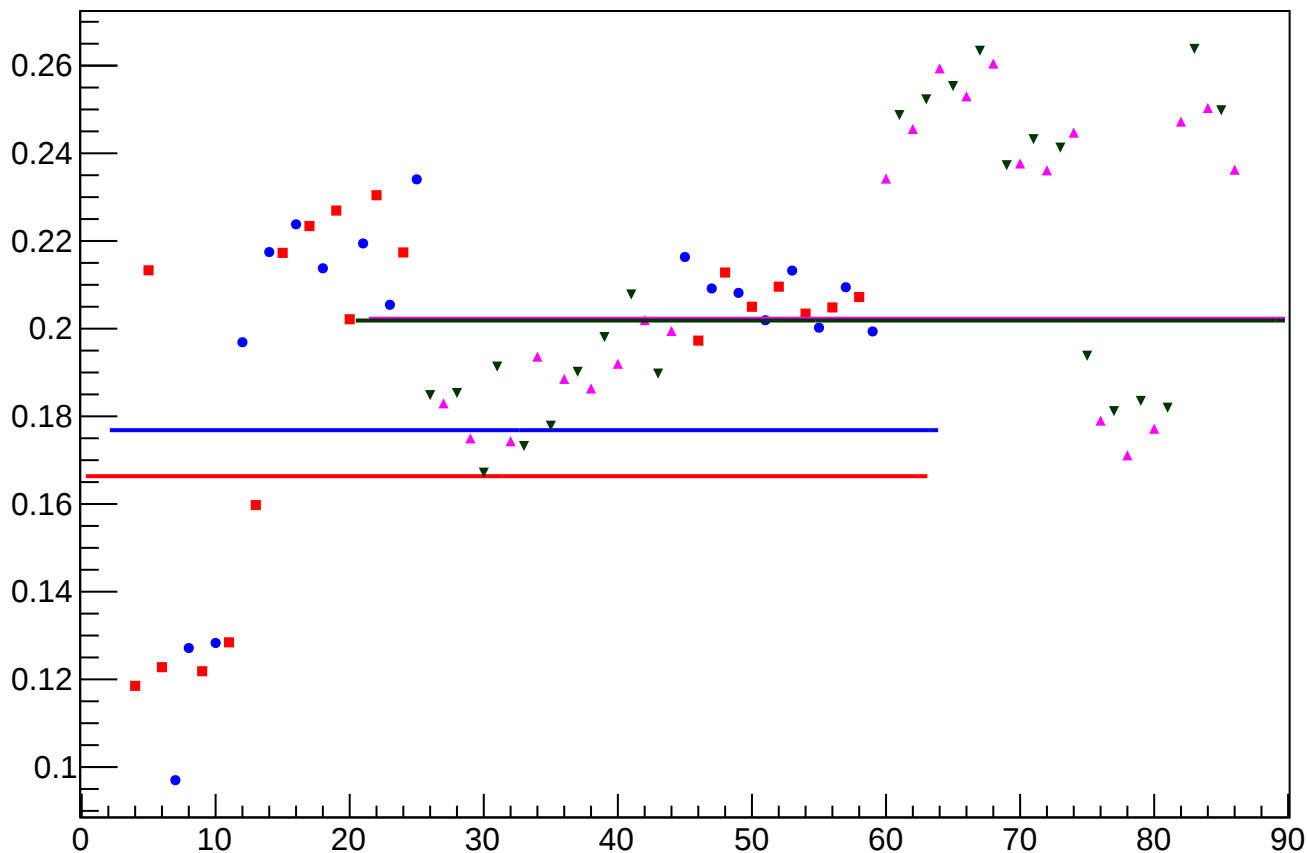
Right Out: 59.608 $\pm$ 0.000 χ^2 /NDF: 29547406430.8/18

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

65.541 $\pm$ 0.000 χ^2 /NDF: 41166518098.6/40

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

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 : 499256.0/22

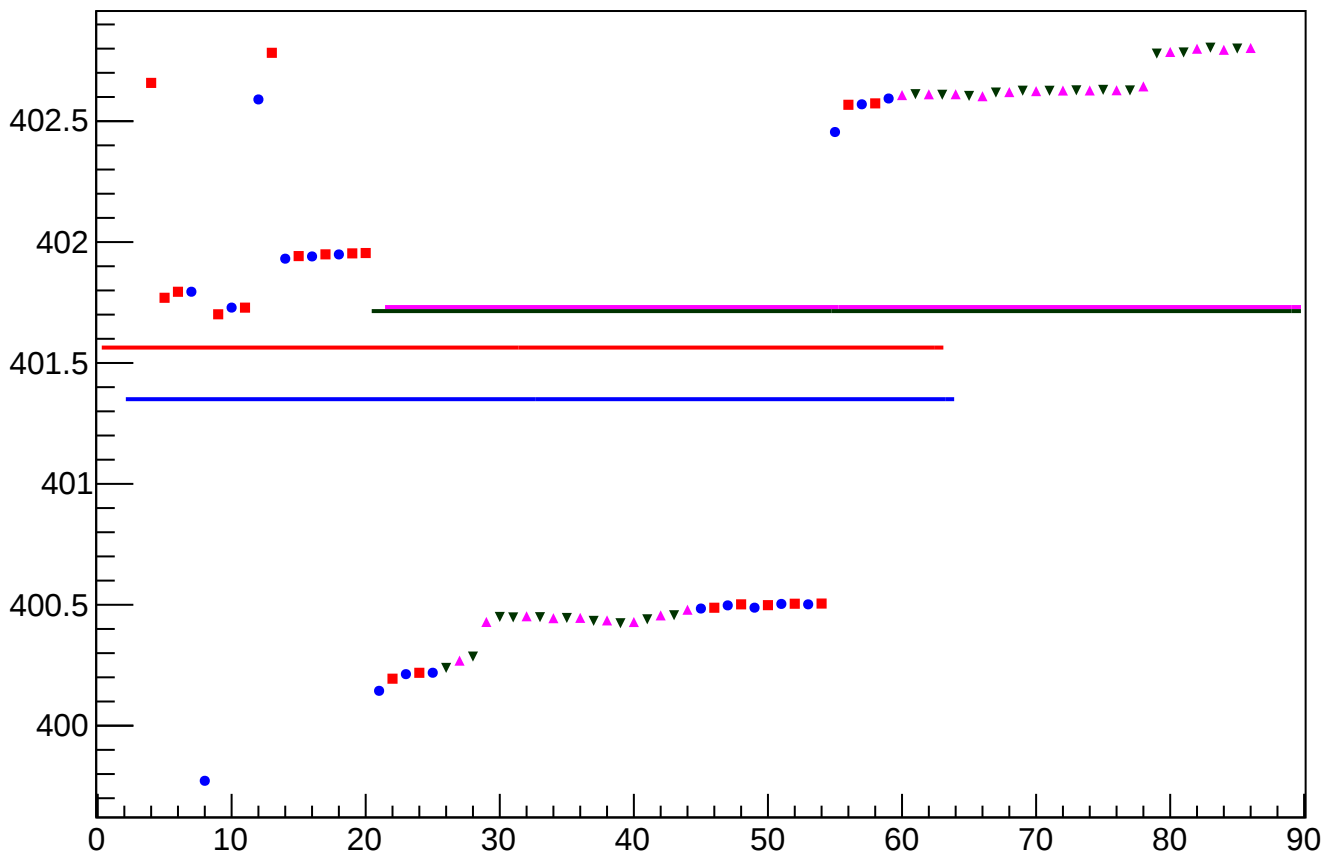
Right Out: 0.166+/-0.000 χ^2/NDF : 1156468.8/18

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

0.188+/-0.000 χ^2/NDF : 1965375.2/40

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: 401.715+/-0.000 χ^2/NDF : 346437640628.3/22

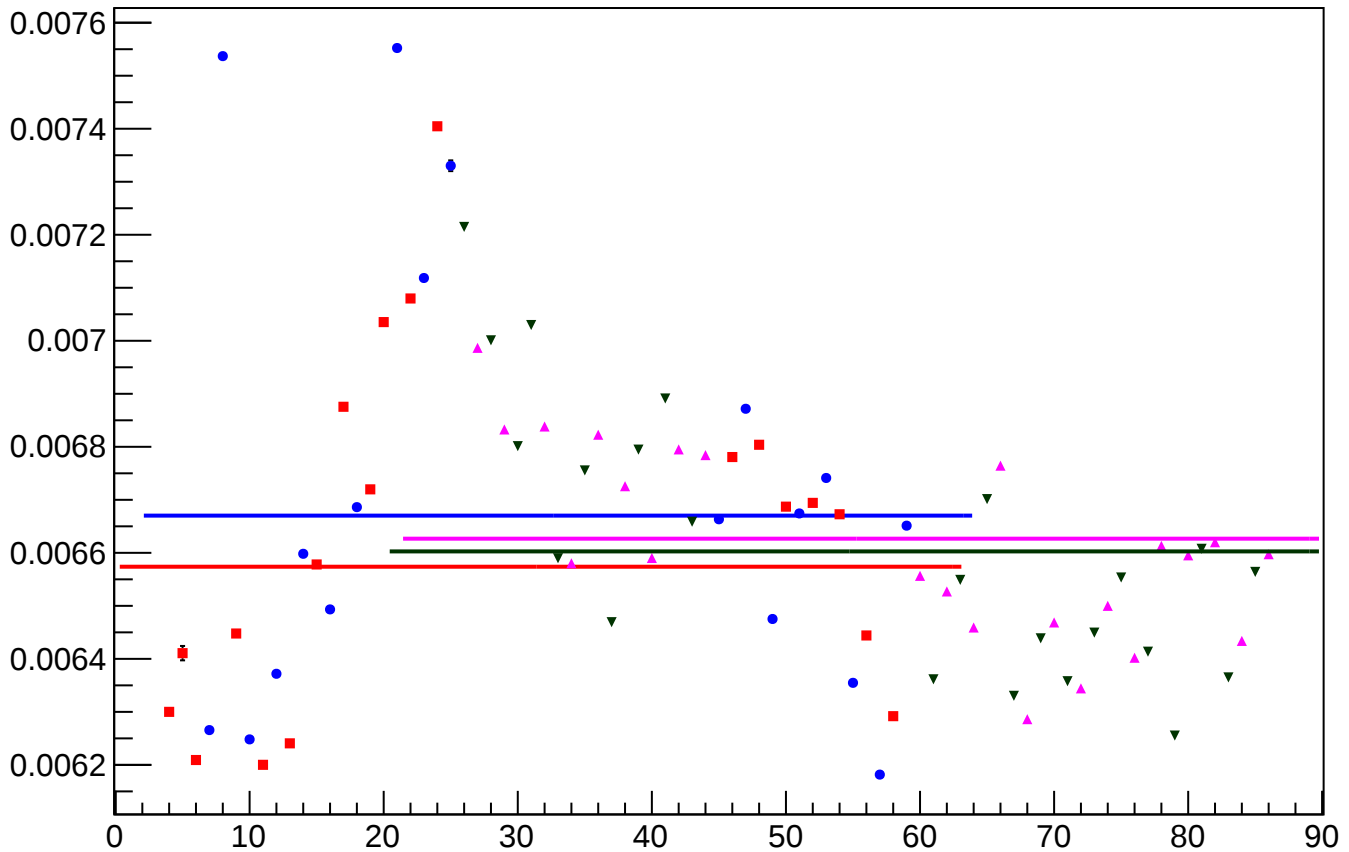
Right Out: 401.564+/-0.000 χ^2/NDF : 183973928948.5/18

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

401.540+/-0.000 χ^2/NDF : 598957279613.6/40

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 : 31615.9/22

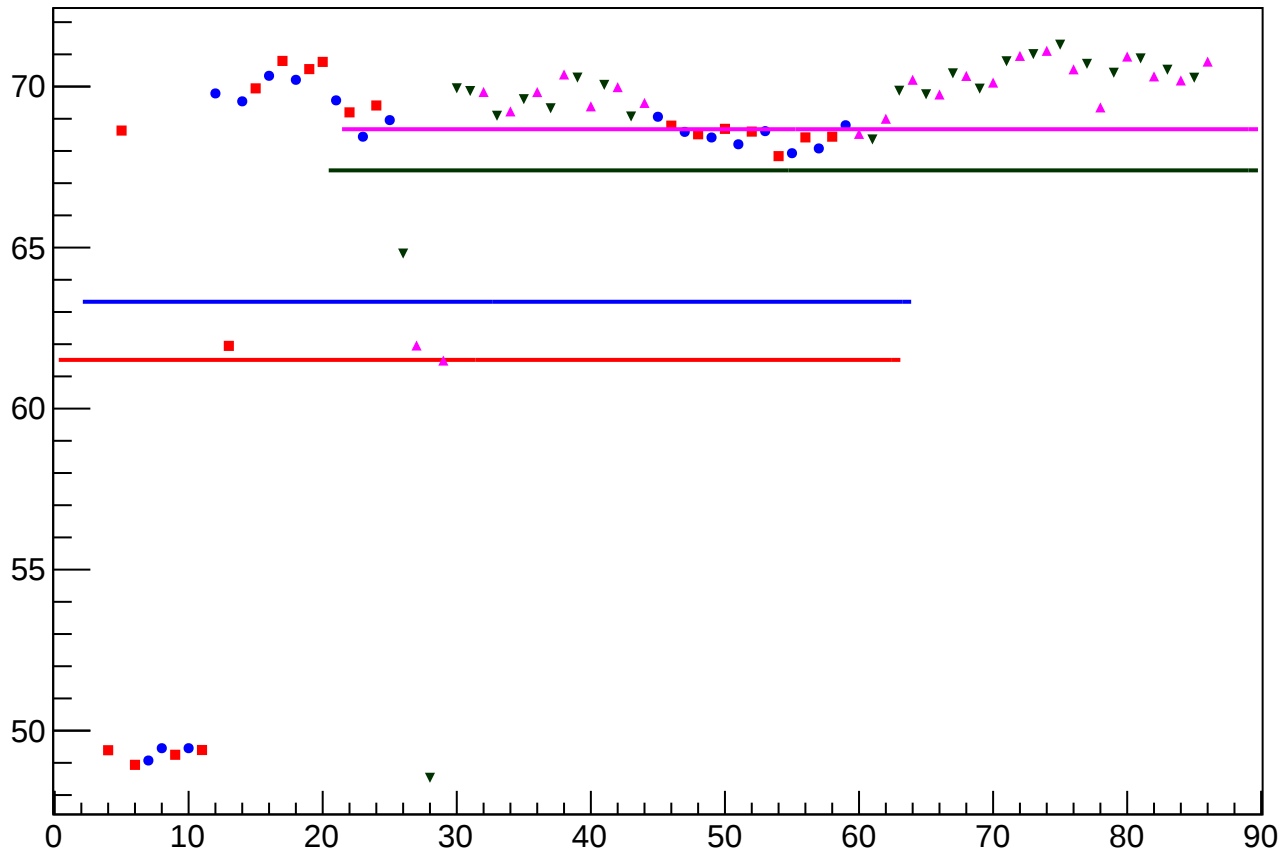
Right Out: 0.007+/-0.000 χ^2/NDF : 47681.9/18

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

0.007+/-0.000 χ^2/NDF : 109495.0/40

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: 67.397 ± 0.000 χ^2/NDF : 10762276438.6/22

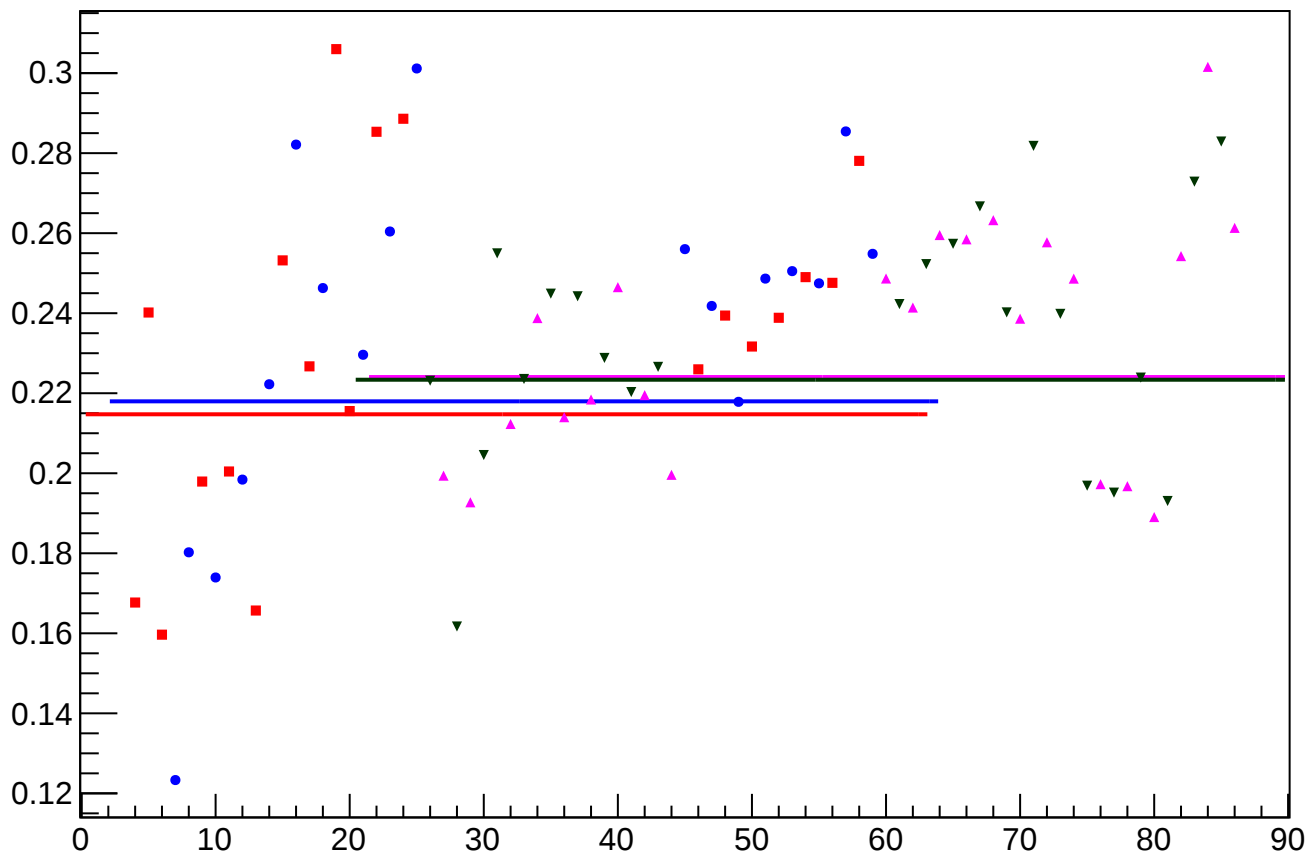
Right Out: 61.513 ± 0.000 χ^2/NDF : 15349624825.1/18

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

65.404 ± 0.000 χ^2/NDF : 29609798539.8/40

65.526 ± 0.000 χ^2/NDF : 22997347665.4/41

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 : 488828.7/22

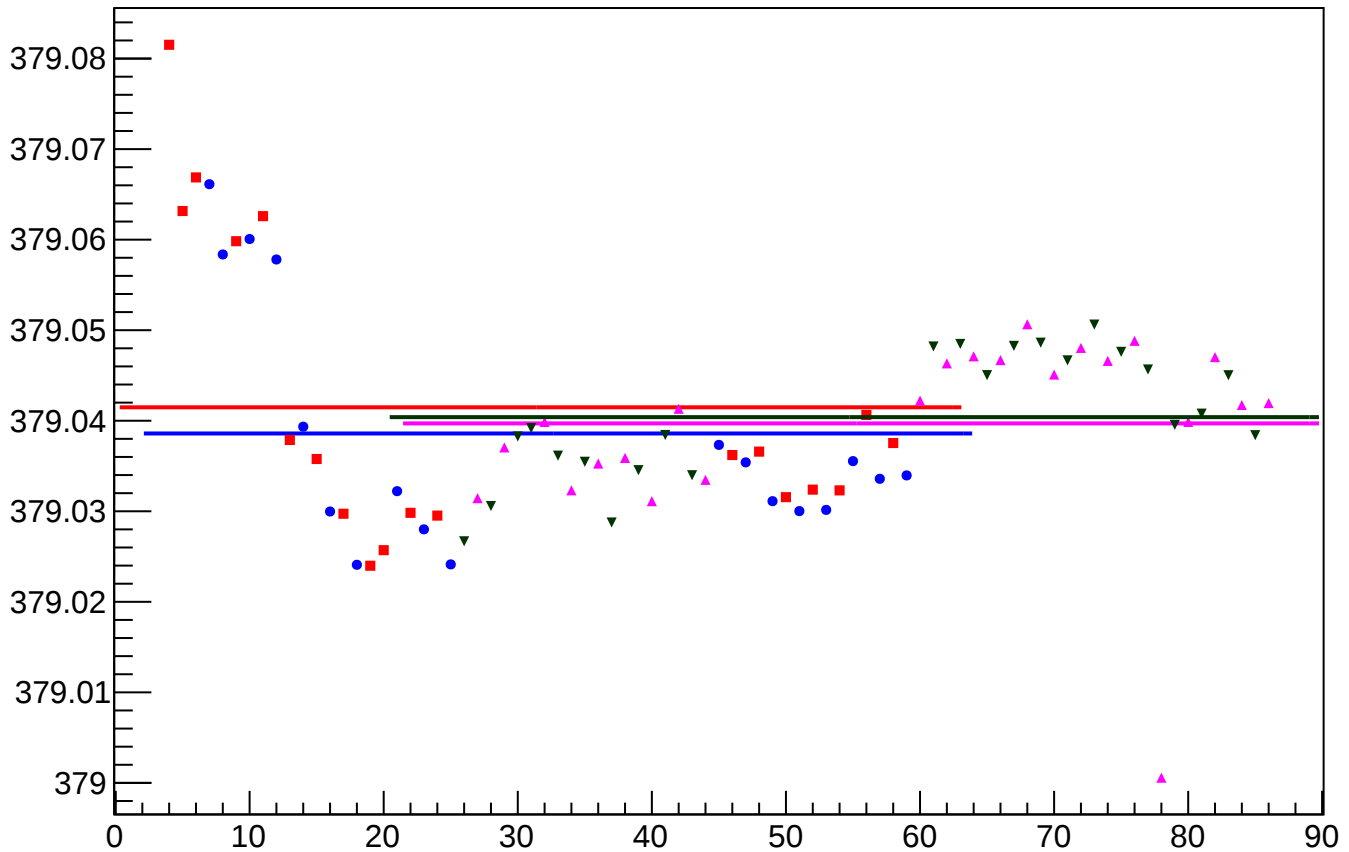
Right Out: 0.215+/-0.000 χ^2/NDF : 631176.3/18

Left In: 0.224+/-0.000 χ^2/NDF : 374819.0/22

0.221+/-0.000 χ^2/NDF : 1229767.4/40

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:12153989.9/22

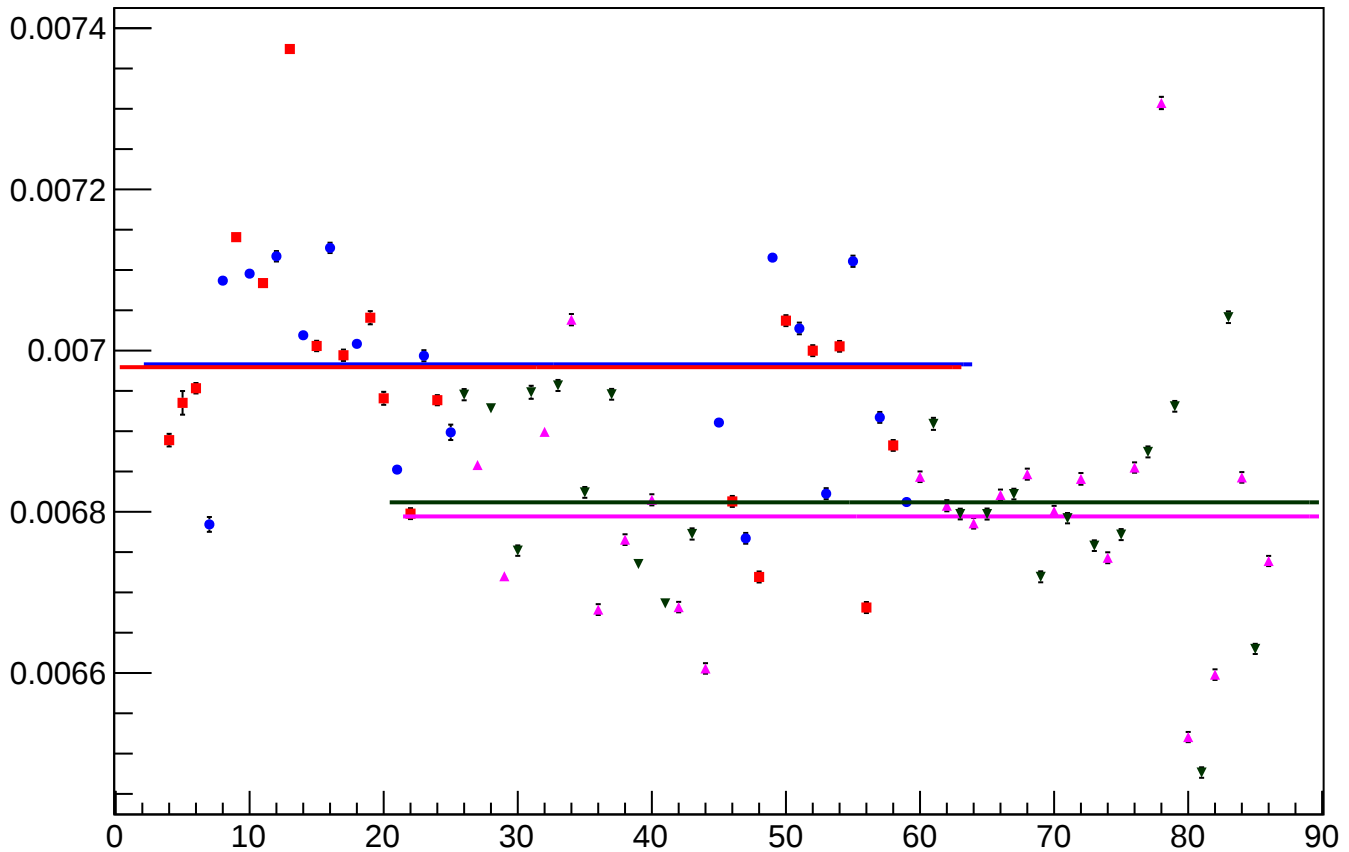
379.040 $\pm$ 0.000 χ^2 /NDF: 46327486.3/40

Right Out: 379.041 $\pm$ 0.000 χ^2 /NDF: 46280794.1/18

379.040 $\pm$ 0.000 χ^2 /NDF: 69617599.9/41

Left In: 379.040 $\pm$ 0.000 χ^2 /NDF:22962335.8/22

yield_cav4dQ_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 6696.3/17

Left Out: 0.007+/-0.000 χ^2/NDF : 7961.3/22

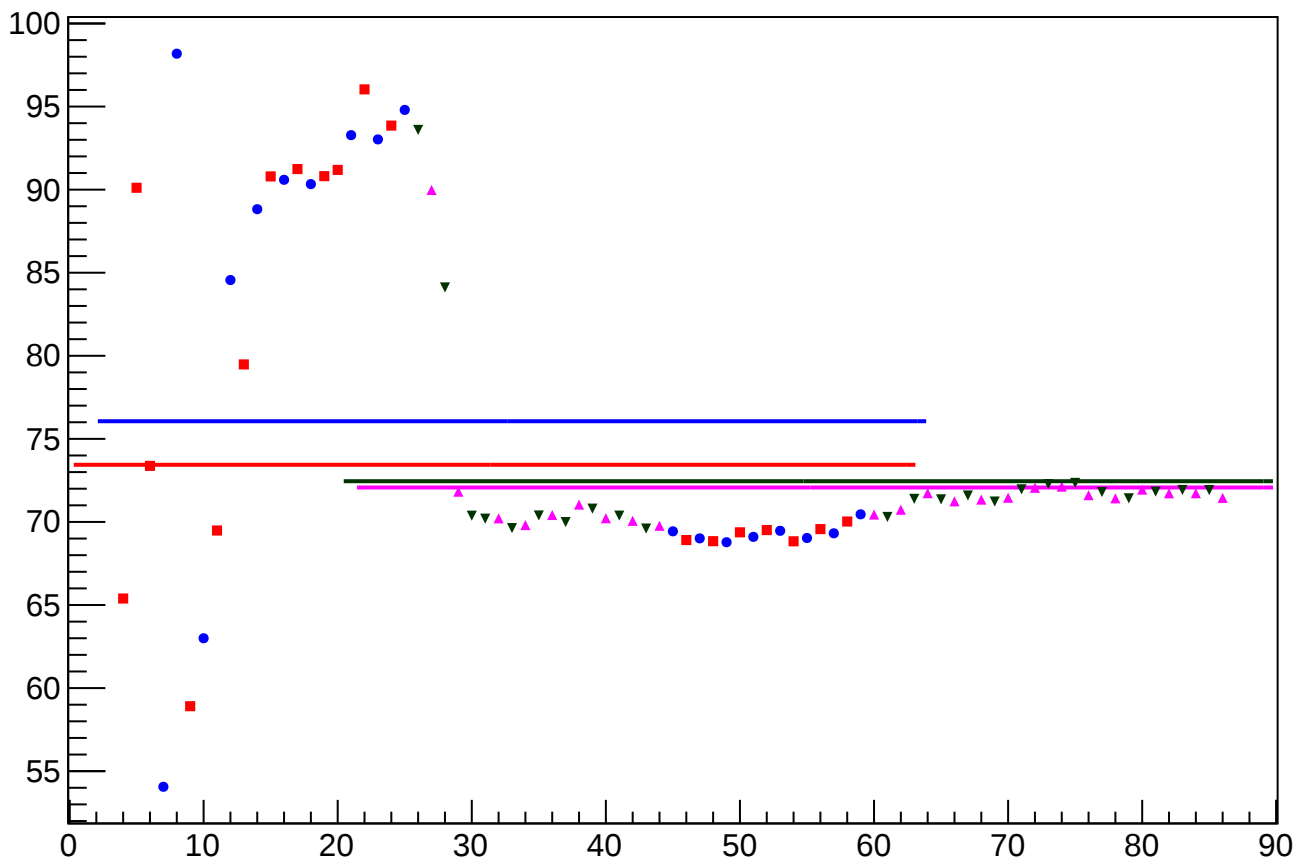
Right Out: 0.007+/-0.000 χ^2/NDF : 11747.2/18

Left In: 0.007+/-0.000 χ^2/NDF : 11176.0/22

0.007+/-0.000 χ^2/NDF : 21817.8/40

0.007+/-0.000 χ^2/NDF : 31038.4/41

yield_bcm0l02_mean vs slug



Right In: 76.061 $\pm$ 0.000 χ^2 /NDF: 20787602024.2/17

Left Out: 72.451 $\pm$ 0.000 χ^2 /NDF: 3836404642.5/22

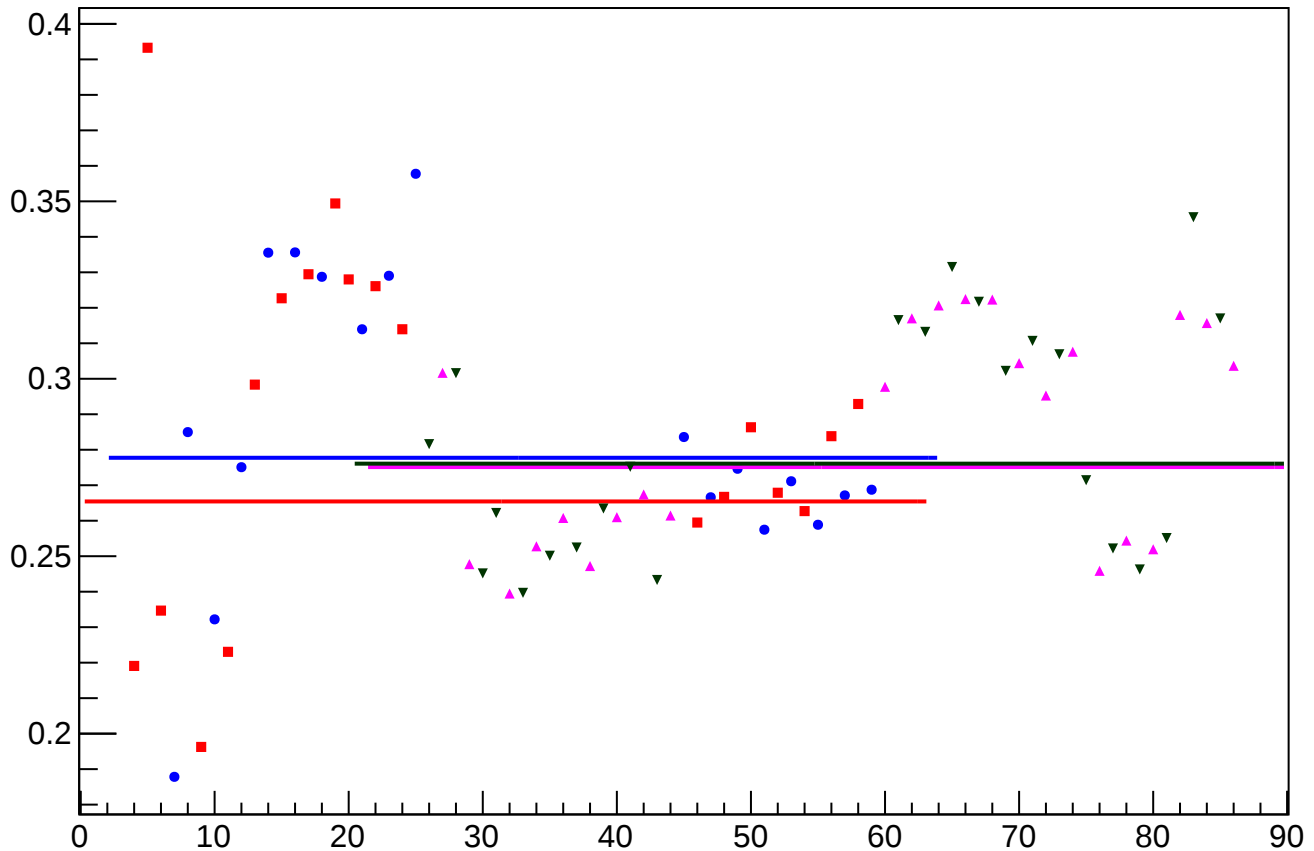
Right Out: 73.439 $\pm$ 0.000 χ^2 /NDF: 14741427319.0/18

Left In: 72.073 $\pm$ 0.000 χ^2 /NDF: 2993459233.8/22

74.167 $\pm$ 0.000 χ^2 /NDF: 25530190657.1/40

72.677 $\pm$ 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 : 277486.1/22

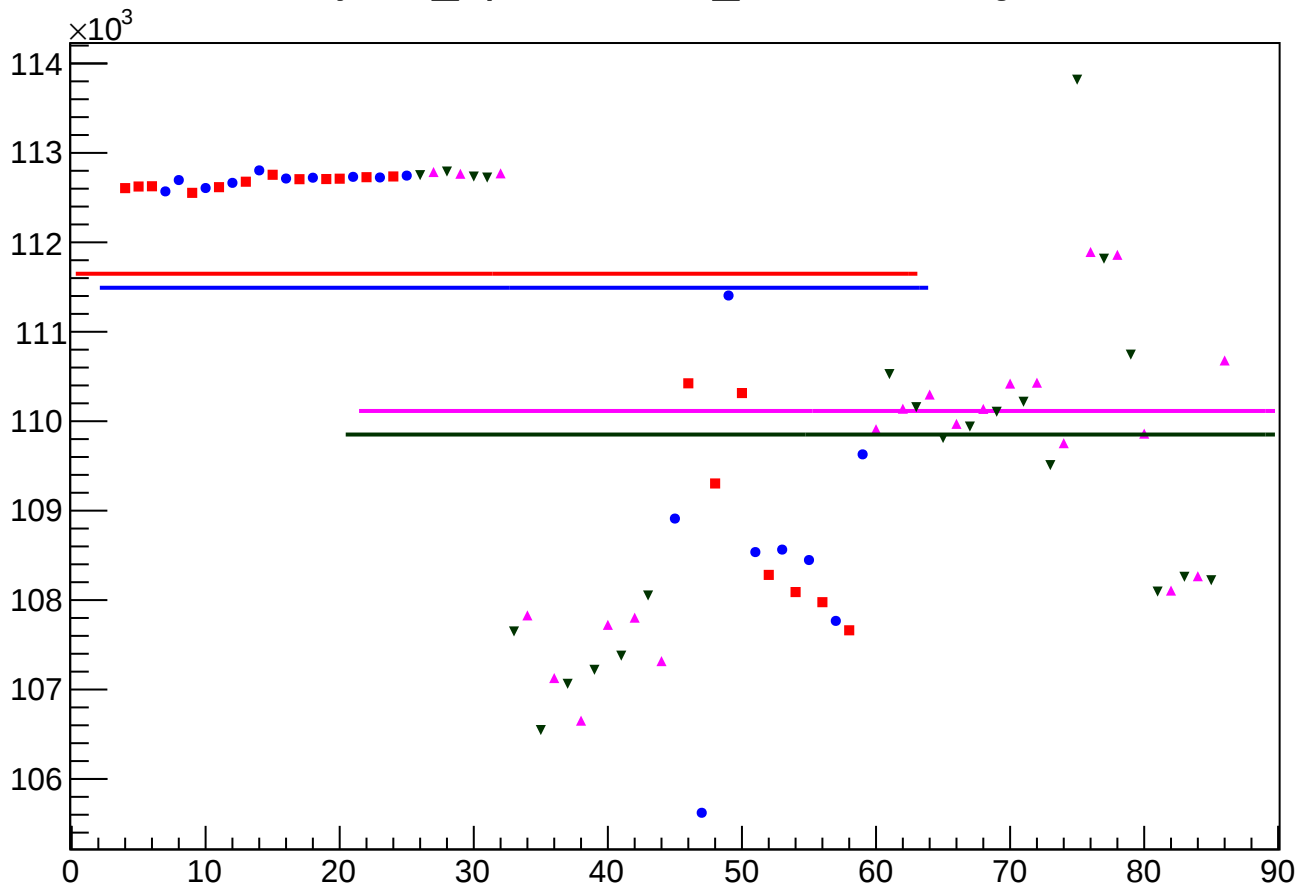
Right Out: 0.265+/-0.000 χ^2/NDF : 503582.7/18

Left In: 0.275+/-0.000 χ^2/NDF : 278212.1/22

0.277+/-0.000 χ^2/NDF : 648113.8/40

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: 109851.132 $\pm$ 0.038 χ^2 /NDF: 3328177944.5/22

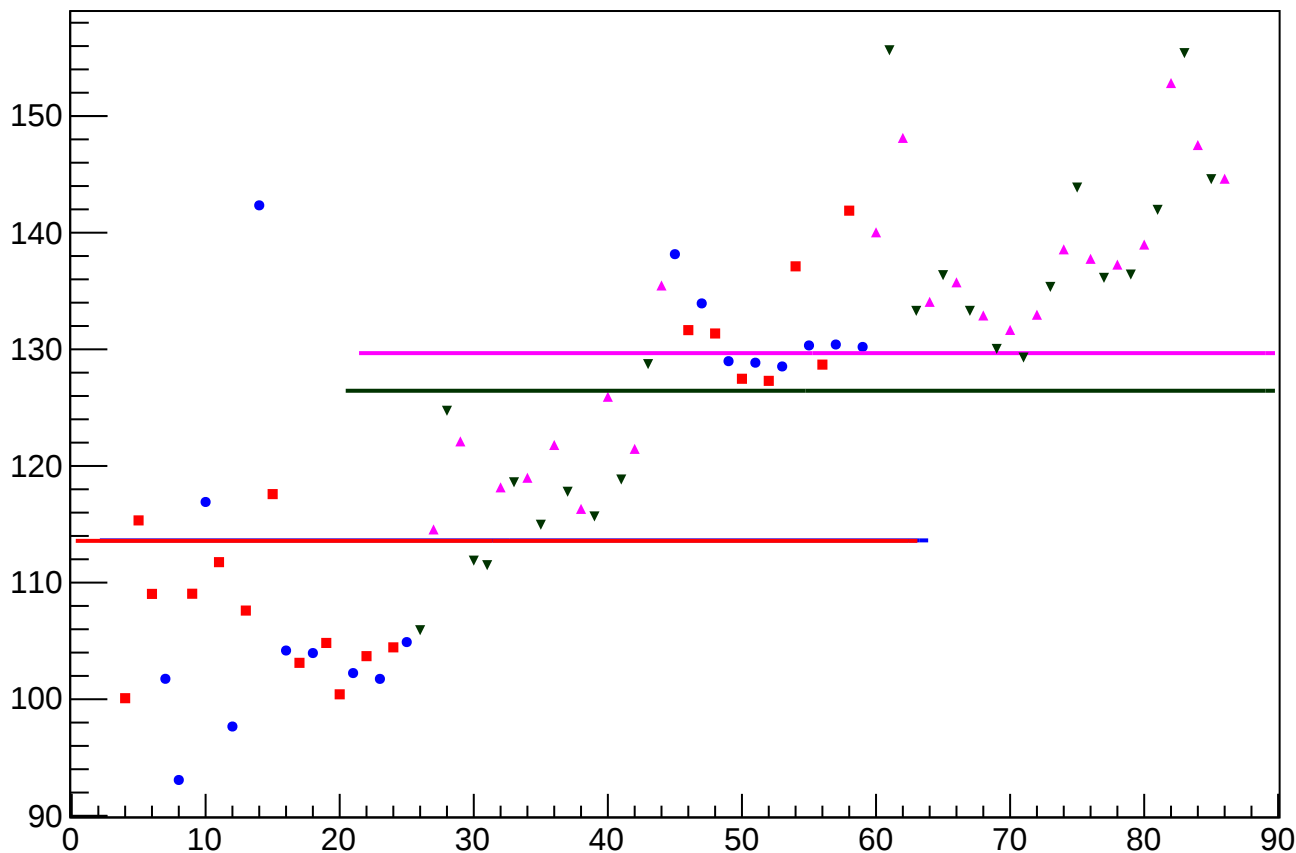
Right Out: 111648.935 $\pm$ 0.037 χ^2 /NDF: 2298631932.7/18

Left In: 110114.559 $\pm$ 0.038 χ^2 /NDF: 2942456033.0/22

110747.955 $\pm$ 0.026 χ^2 /NDF: 7500143392.5/40

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: 126.448 $\pm$ 0.027 χ^2 /NDF: 215015.0/22

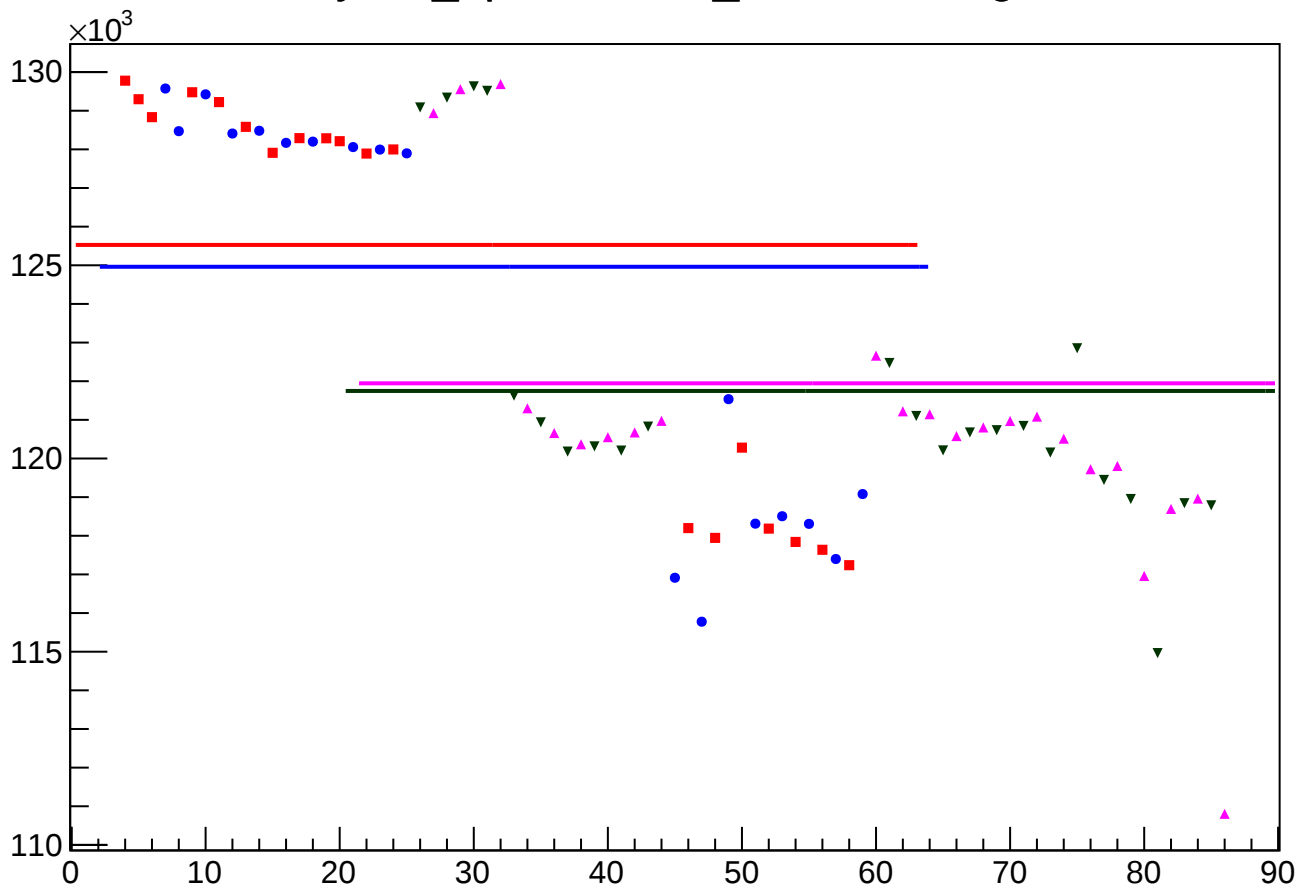
Right Out: 113.579 $\pm$ 0.026 χ^2 /NDF: 206805.2/18

Left In: 129.674 $\pm$ 0.027 χ^2 /NDF: 163954.4/22

119.438 $\pm$ 0.018 χ^2 /NDF: 759628.2/40

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

Left Out: 121747.857 $\pm$ 0.063 χ^2 /NDF: 4129697651.1/22

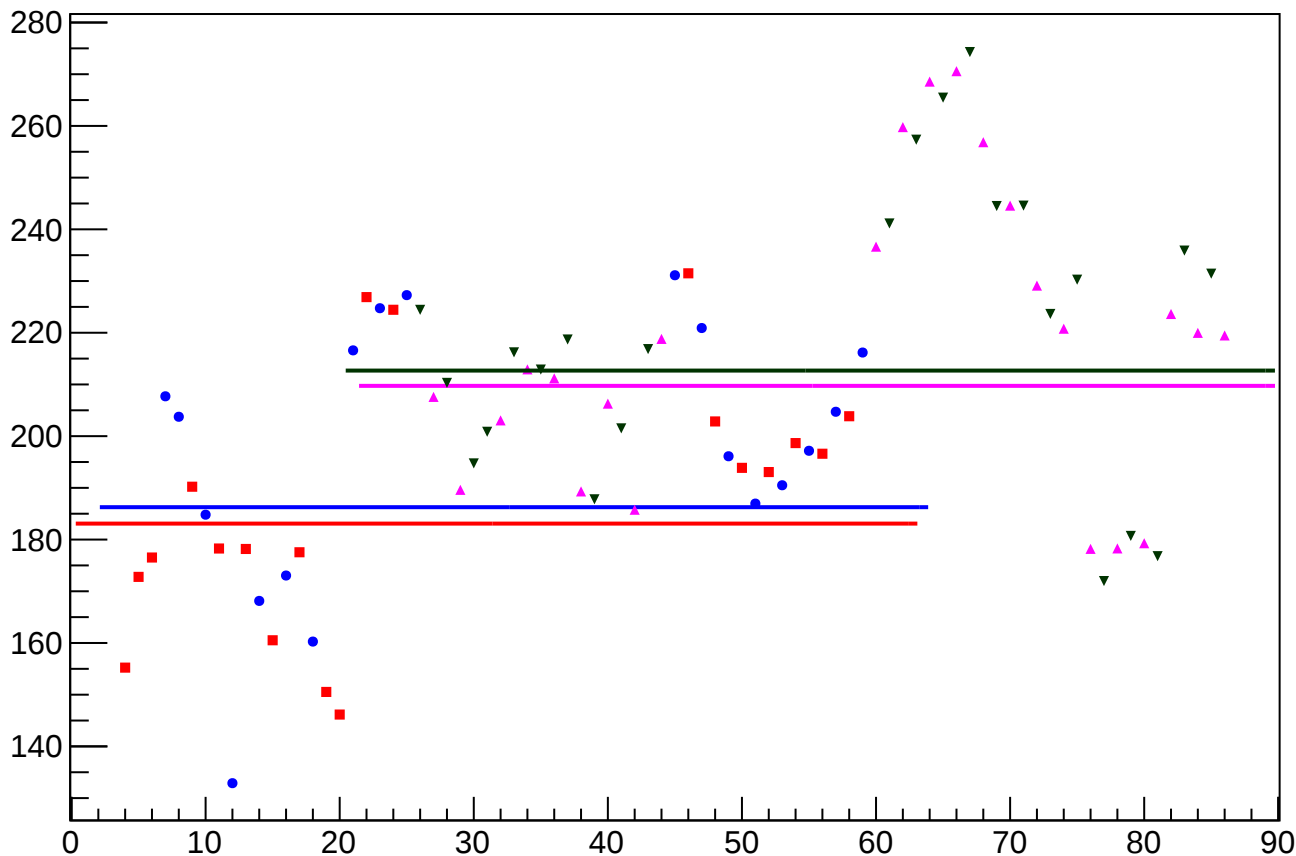
Right Out: 125527.018 $\pm$ 0.060 χ^2 /NDF: 6545248421.9/18

Left In: 121945.529 $\pm$ 0.059 χ^2 /NDF: 5986194596.6/22

123513.587 $\pm$ 0.042 χ^2 /NDF: 12789106394.2/4

123730.959 $\pm$ 0.042 χ^2 /NDF: 14345680758.6/4

yield_bpm0i07WS_rms vs slug



Right In: 186.263+/-0.040 χ^2/NDF : 462392.0/17

Left Out: 212.683+/-0.044 χ^2/NDF :363124.4/22

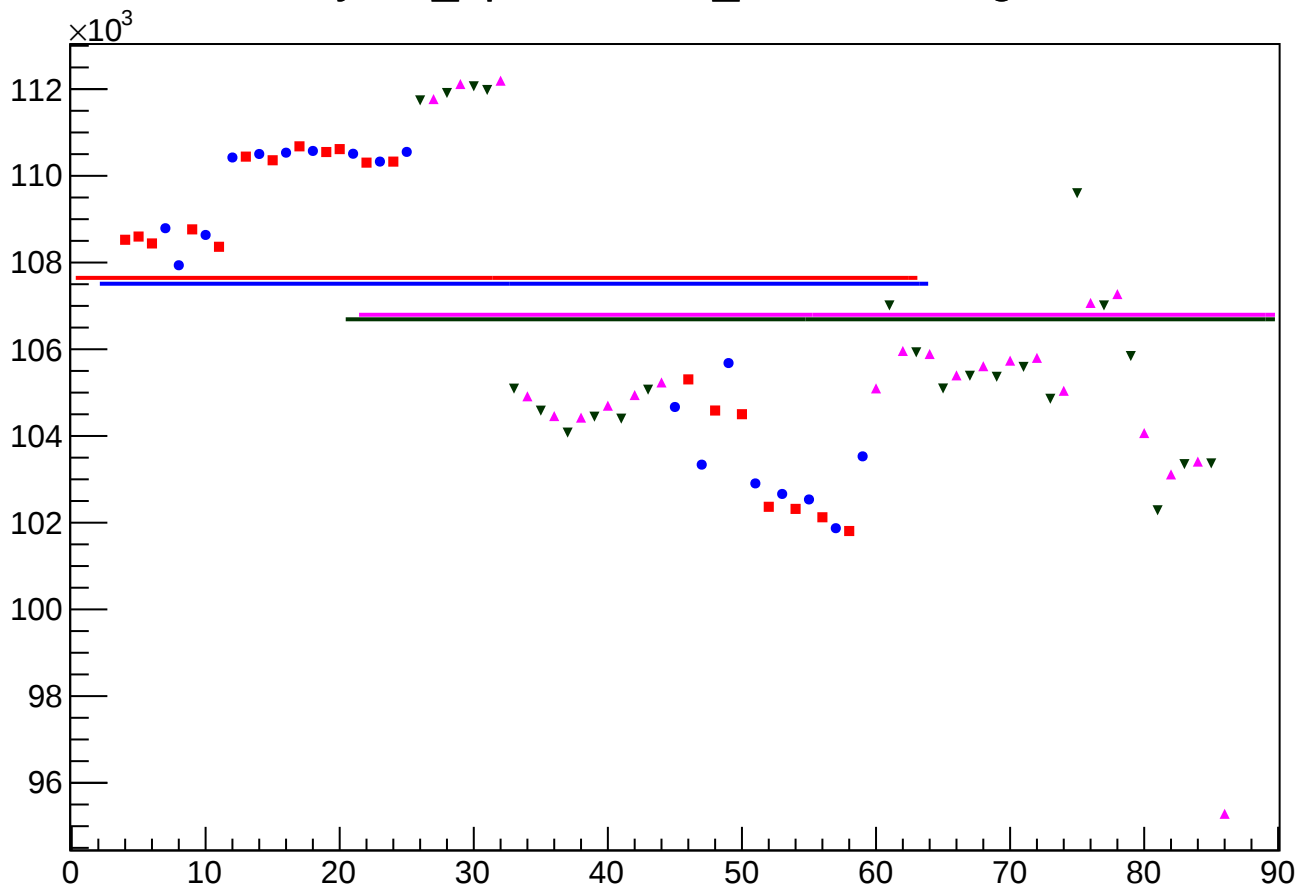
Right Out: 183.088+/-0.042 χ^2/NDF : 276420.3/18

Left In: 209.728+/-0.042 χ^2/NDF :366507.2/22

198.168+/-0.030 χ^2/NDF : 1020585.9/40

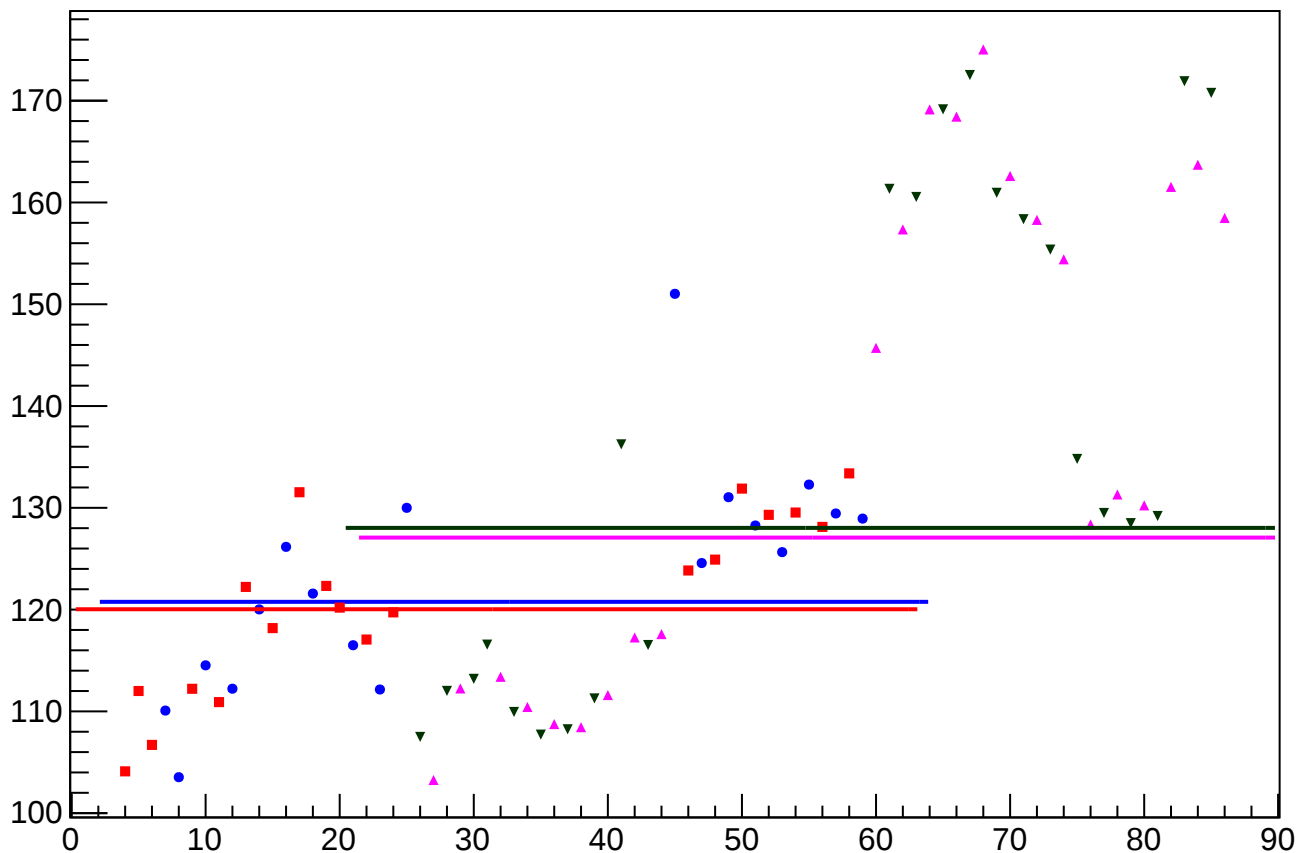
196.448+/-0.030 χ^2/NDF : 843679.8/41

yield_bpm0l01WS_mean vs slug



Right In: 107511.375 $\pm$ 0.037	χ^2 /NDF: 7545366390.6/17	107117.806 $\pm$ 0.026	χ^2 /NDF: 14774334803.4/4
Left Out: 106691.114 $\pm$ 0.038	χ^2 /NDF: 6987834048.4/22		
Right Out: 107646.372 $\pm$ 0.039	χ^2 /NDF: 6547636060.9/18	107191.452 $\pm$ 0.027	χ^2 /NDF: 17539832657.4/4
Left In: 106795.432 $\pm$ 0.036	χ^2 /NDF: 10736680869.1/22		

yield_bpm0l01WS_rms vs slug



Right In: 120.763+/-0.026 χ^2/NDF : 155732.1/17

Left Out: 128.029+/-0.027 χ^2/NDF : 671453.4/22

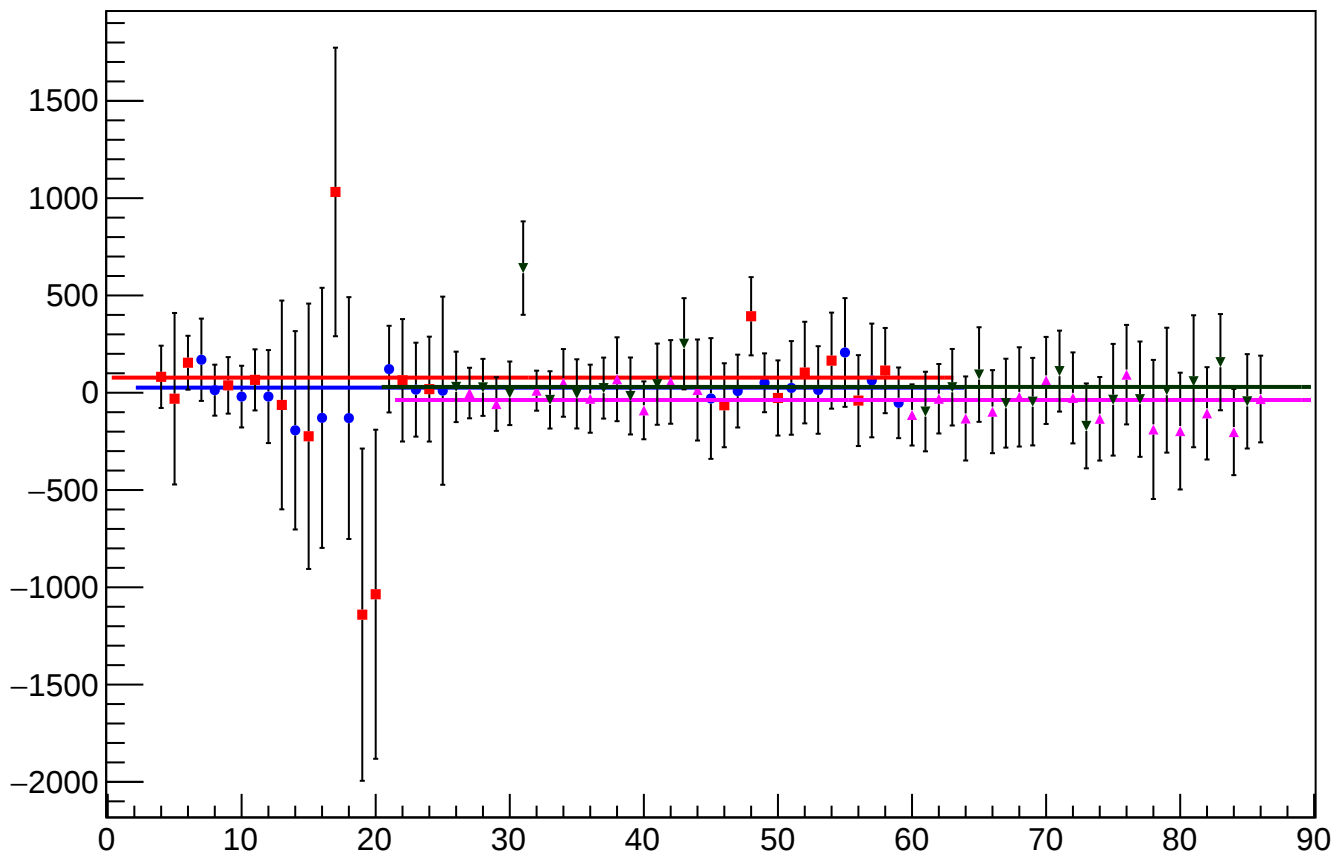
Right Out: 120.035+/-0.028 χ^2/NDF : 93920.3/18

Left In: 127.076+/-0.026 χ^2/NDF : 766207.5/22

124.249+/-0.019 χ^2/NDF : 865024.4/40

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: 29.824+/-42.949 χ^2/NDF : 9.9/22

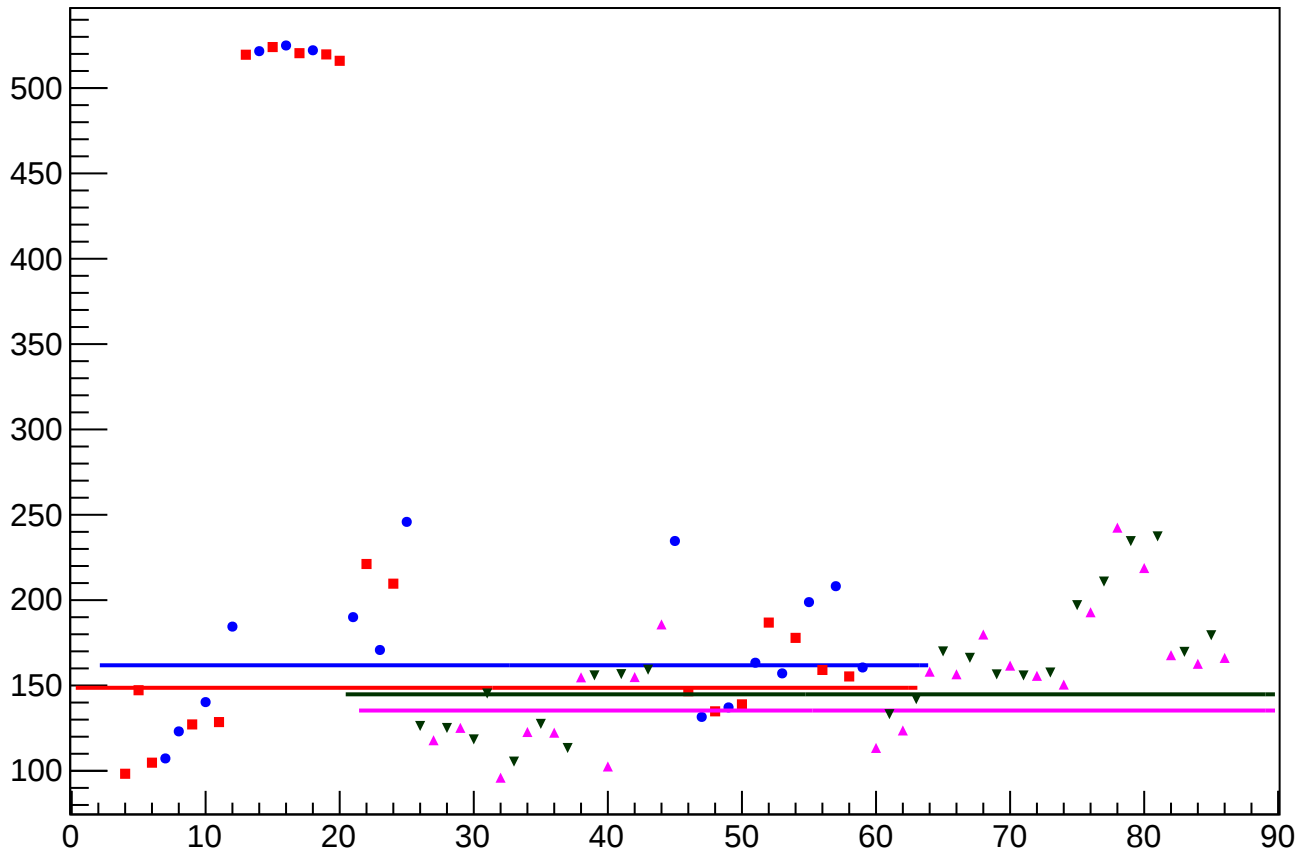
Right Out: 77.703+/-52.586 χ^2/NDF : 9.8/18

Left In: -37.285+/-38.972 χ^2/NDF : 3.5/22

28.390+/-33.245 χ^2/NDF : 11.6/40

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: 144.819+/-0.030 χ^2/NDF :967965.3/22

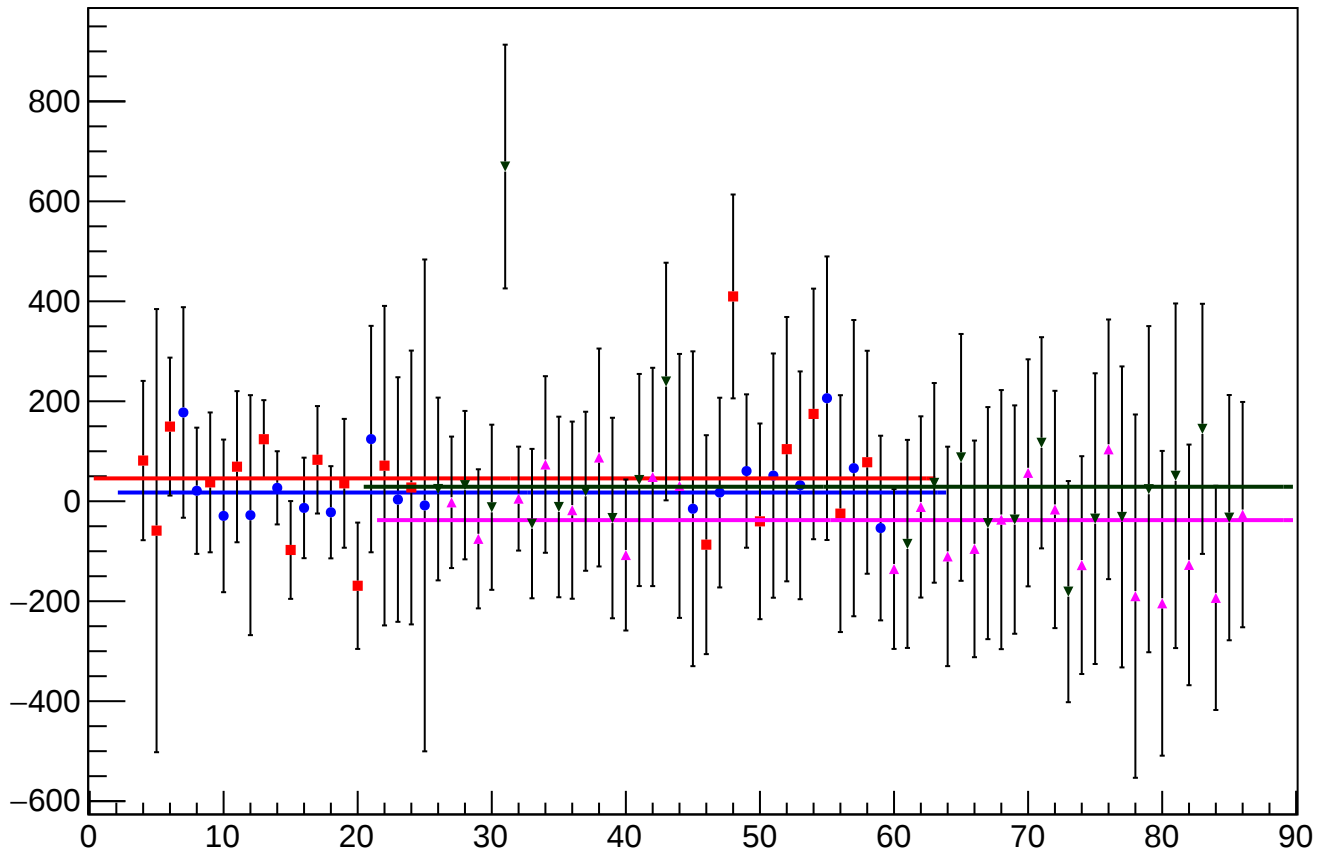
151.639+/-0.024 χ^2/NDF : 4112659.9/40

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 χ^2/NDF : 2.0/17

Left Out: 28.998 ± 43.569 χ^2/NDF : 10.1/22

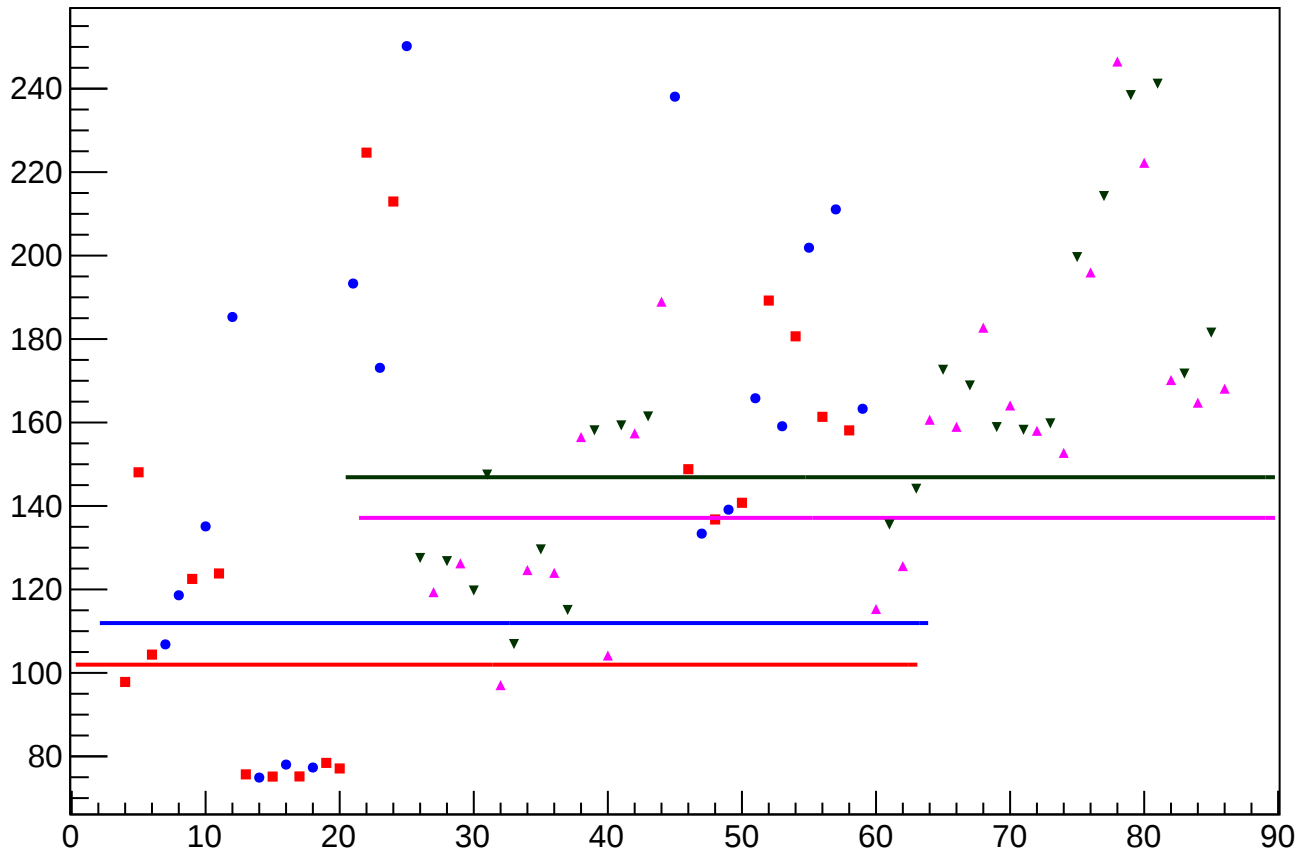
Right Out: 45.735 ± 34.677 χ^2/NDF : 11.0/18

Left In: -37.774 ± 39.507 χ^2/NDF : 3.8/22

22.188 ± 27.895 χ^2/NDF : 12.1/40

9.395 ± 26.062 χ^2/NDF : 17.4/41

asym_bcm_an_ds3_rms vs slug



Right In: 111.942 $\pm$ 0.026 χ^2 /NDF: 2972725.0/17

Left Out: 146.892 $\pm$ 0.031 χ^2 /NDF: 972001.1/22

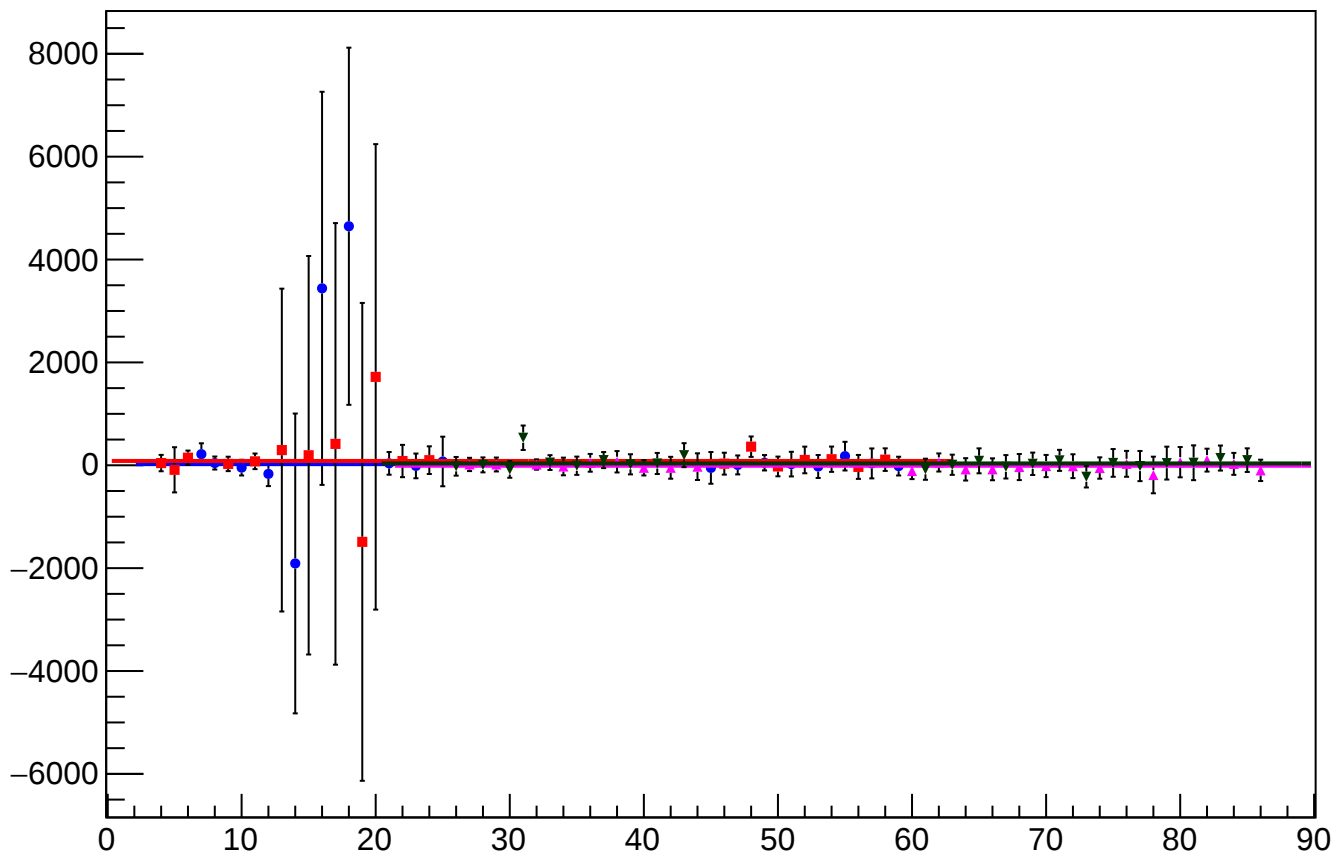
126.269 $\pm$ 0.020 χ^2 /NDF: 4704168.8/40

Right Out: 101.974 $\pm$ 0.025 χ^2 /NDF: 2271871.2/18

117.281 $\pm$ 0.018 χ^2 /NDF: 4489320.8/41

Left In: 137.149 $\pm$ 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: 36.051+/-42.388 χ^2/NDF : 8.2/22

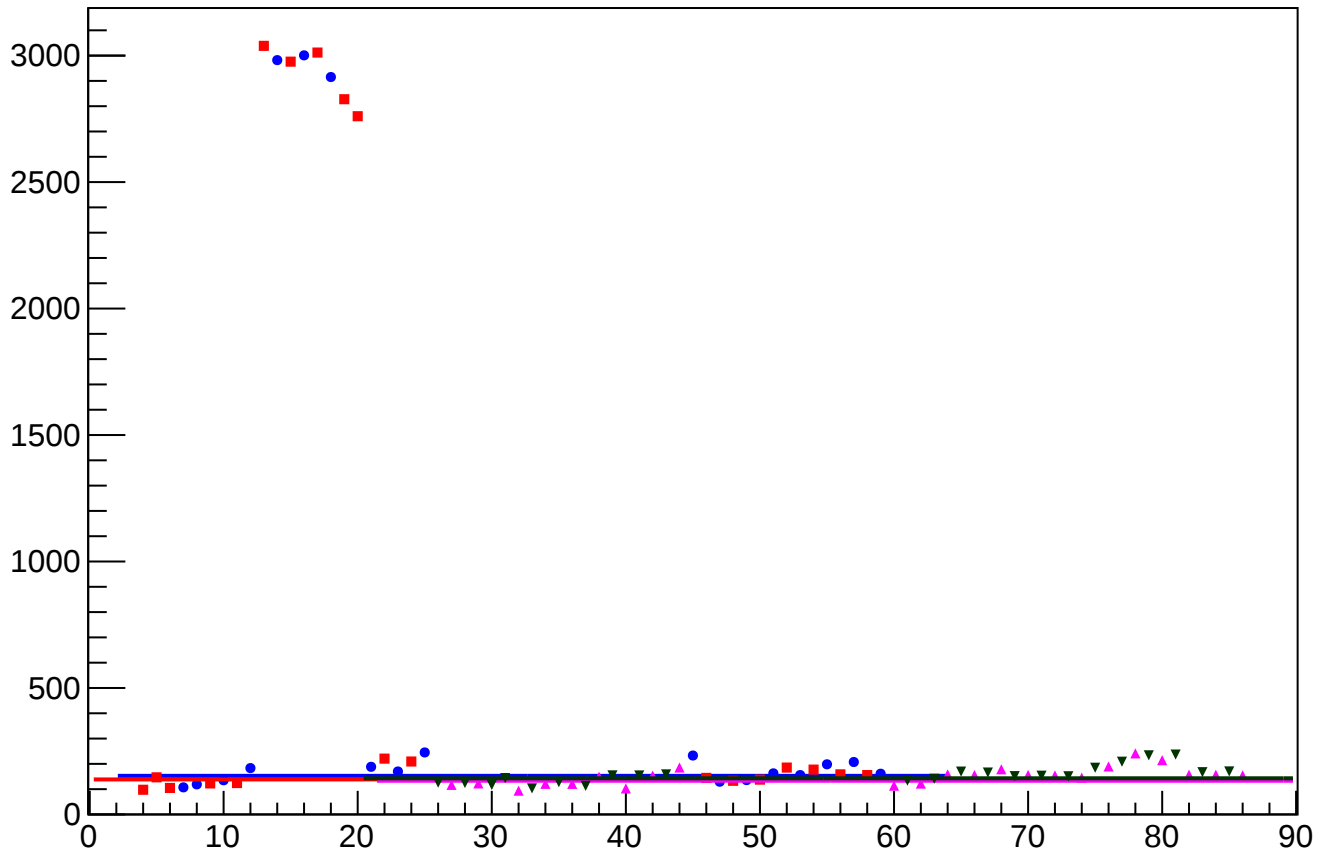
Right Out: 84.092+/-52.636 χ^2/NDF : 3.5/18

Left In: -9.622+/-38.330 χ^2/NDF : 2.1/22

30.398+/-32.947 χ^2/NDF : 13.5/40

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: 142.954+/-0.030 χ^2/NDF : 938248.1/22

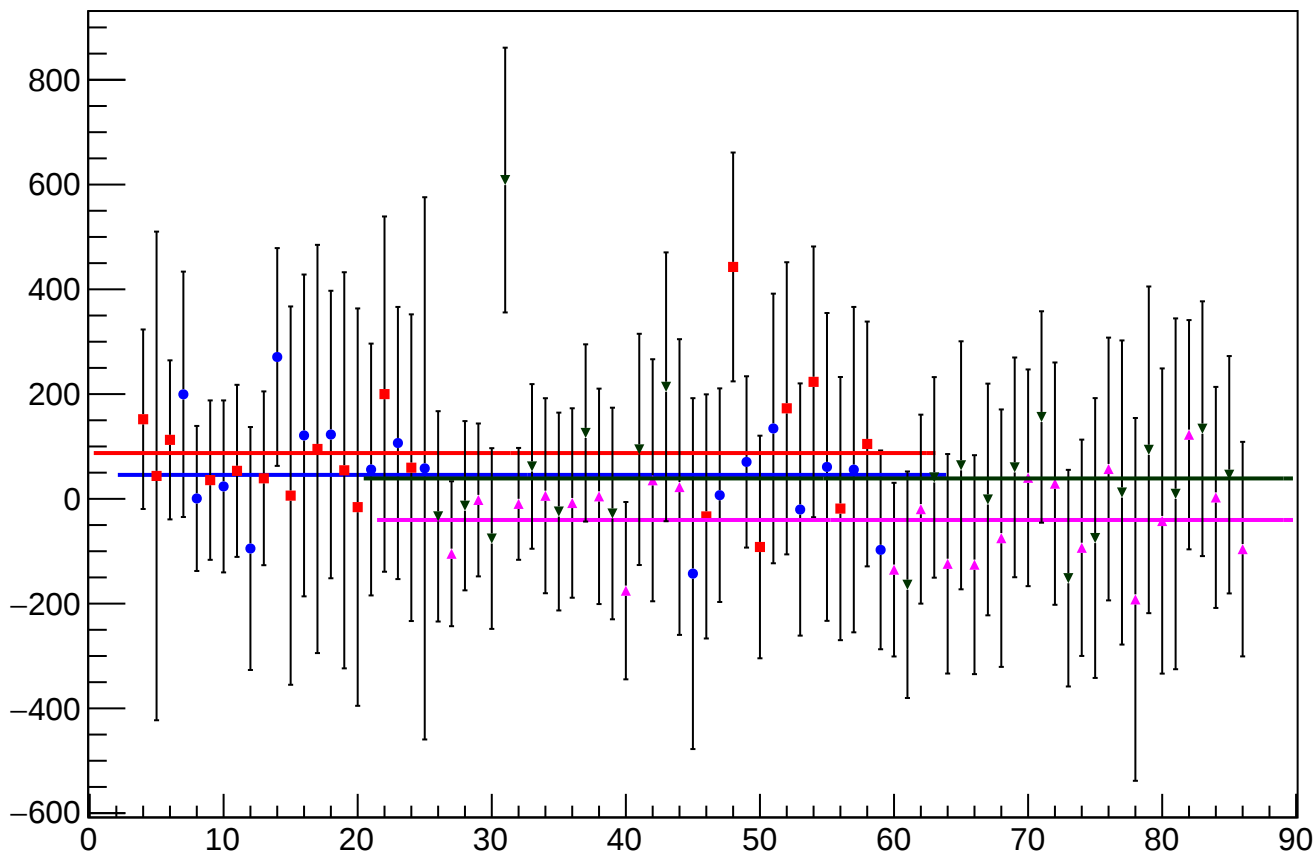
146.784+/-0.023 χ^2/NDF : 5997115.4/40

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 $\pm$ 52.604 χ^2 /NDF: 3.4/17

Left Out: 38.961 $\pm$ 44.060 χ^2 /NDF:9.3/22

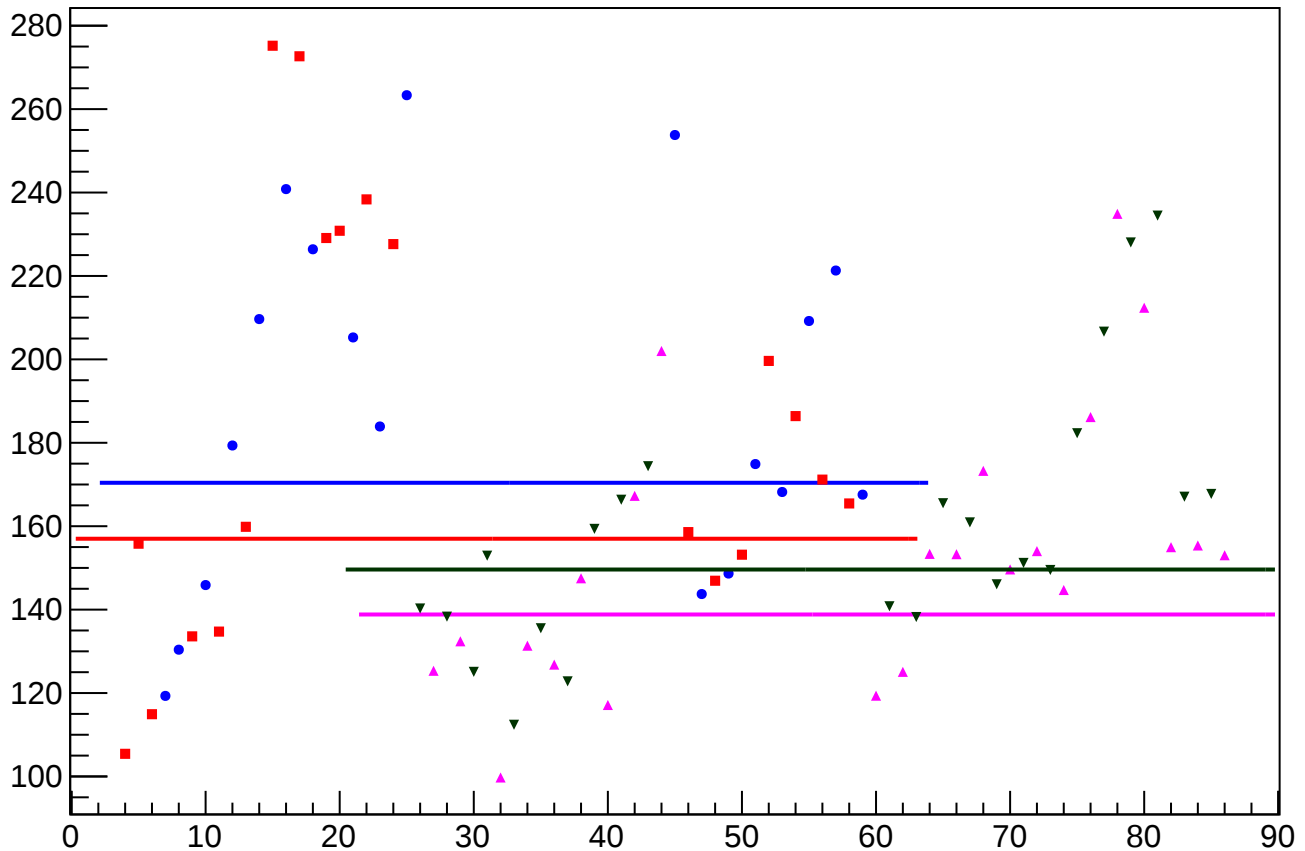
Right Out: 87.434 $\pm$ 51.940 χ^2 /NDF: 4.9/18

Left In: -40.328 $\pm$ 39.708 χ^2 /NDF:3.3/22

41.756 $\pm$ 33.777 χ^2 /NDF: 12.7/40

6.799 $\pm$ 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: 149.616 $\pm$ 0.031 χ^2 /NDF: 673633.5/22

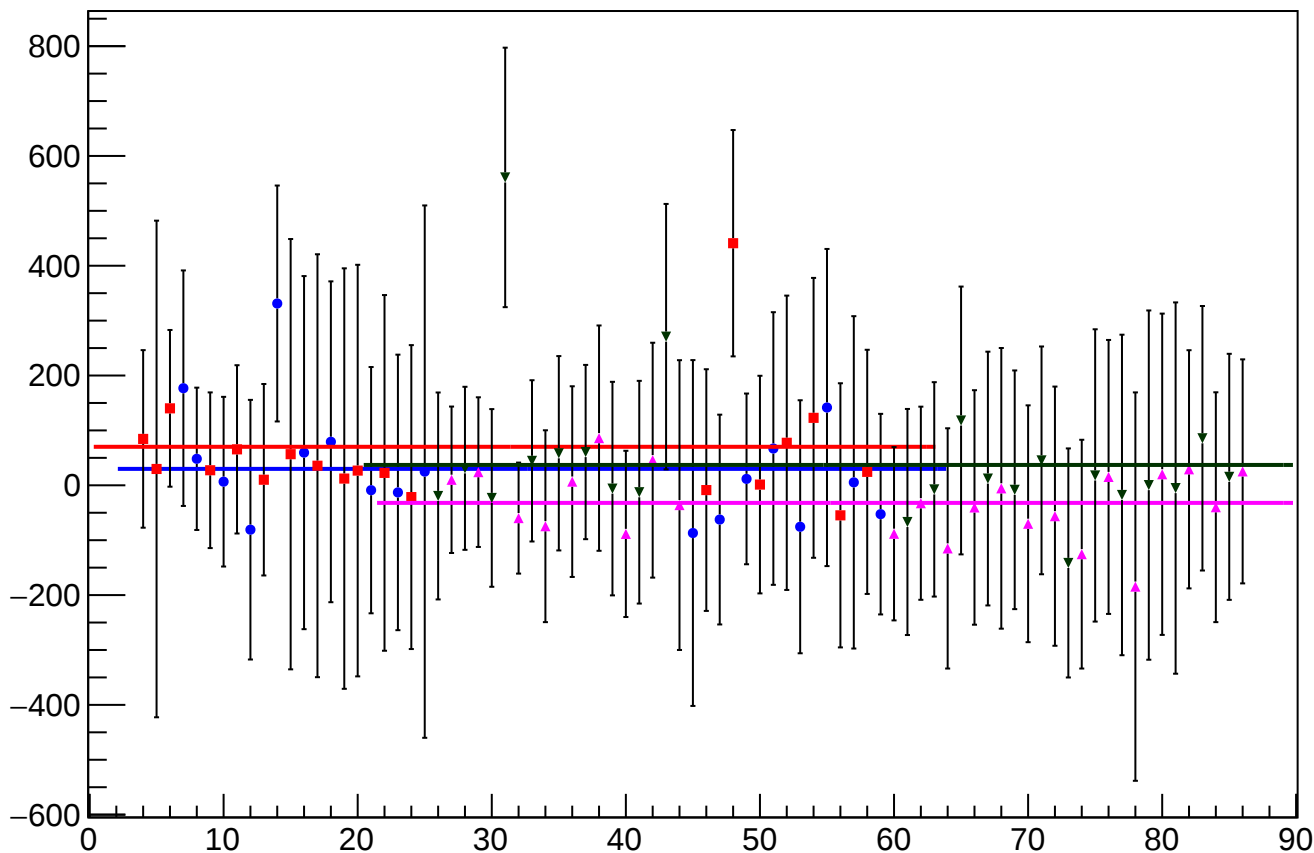
158.190 $\pm$ 0.024 χ^2 /NDF: 1822008.1/40

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 $\chi^2/\text{NDF}: 3.8/17$

Left Out: 37.091 ± 42.655 $\chi^2/\text{NDF}: 7.5/22$

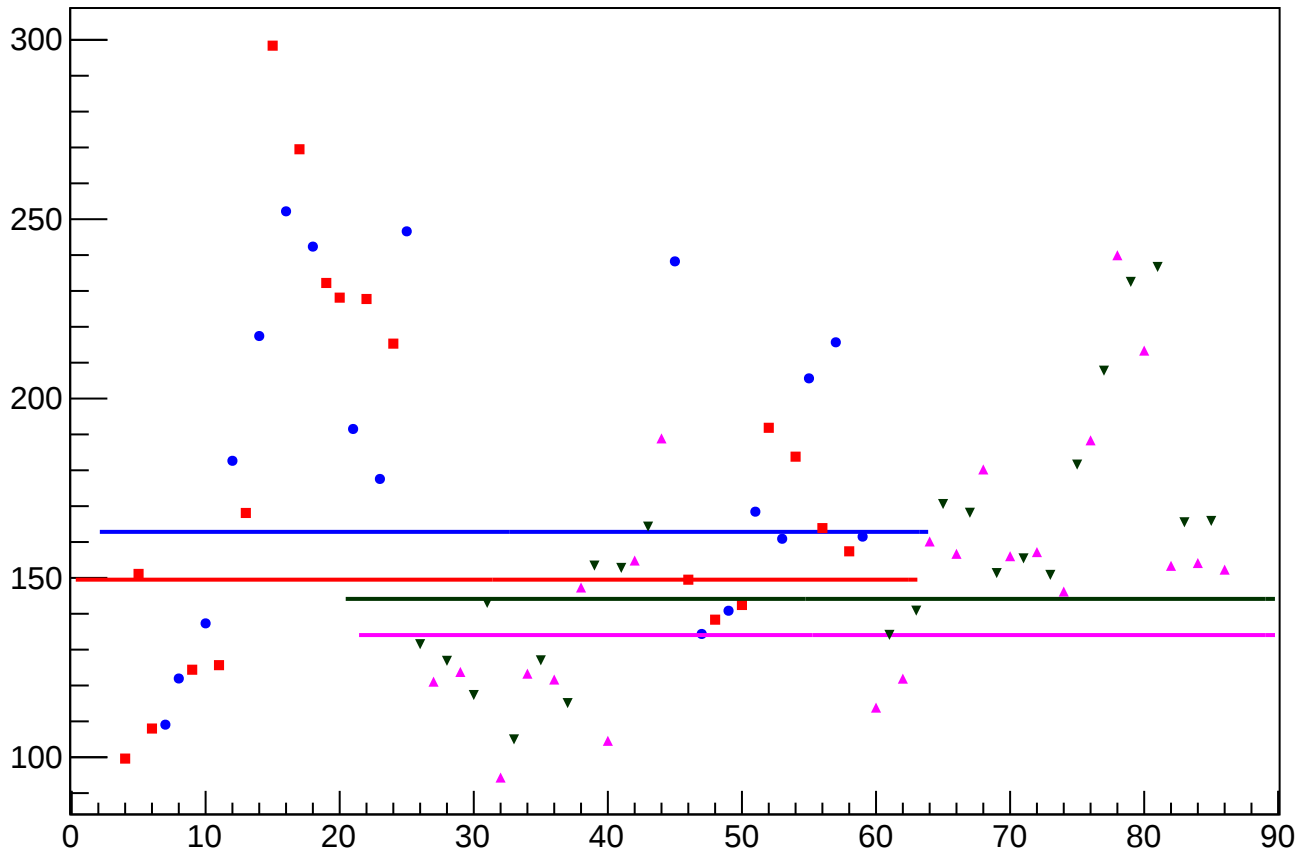
Right Out: 70.155 ± 49.782 $\chi^2/\text{NDF}: 4.5/18$

Left In: -32.027 ± 38.516 $\chi^2/\text{NDF}: 2.0/22$

34.111 ± 32.611 $\chi^2/\text{NDF}: 11.3/40$

6.235 ± 30.463 $\chi^2/\text{NDF}: 9.1/41$

asym_bcm_dg_ds_rms vs slug



Right In: 162.833+/-0.036 χ^2/NDF : 1229021.5/17

Left Out: 144.146+/-0.030 χ^2/NDF : 874658.6/22

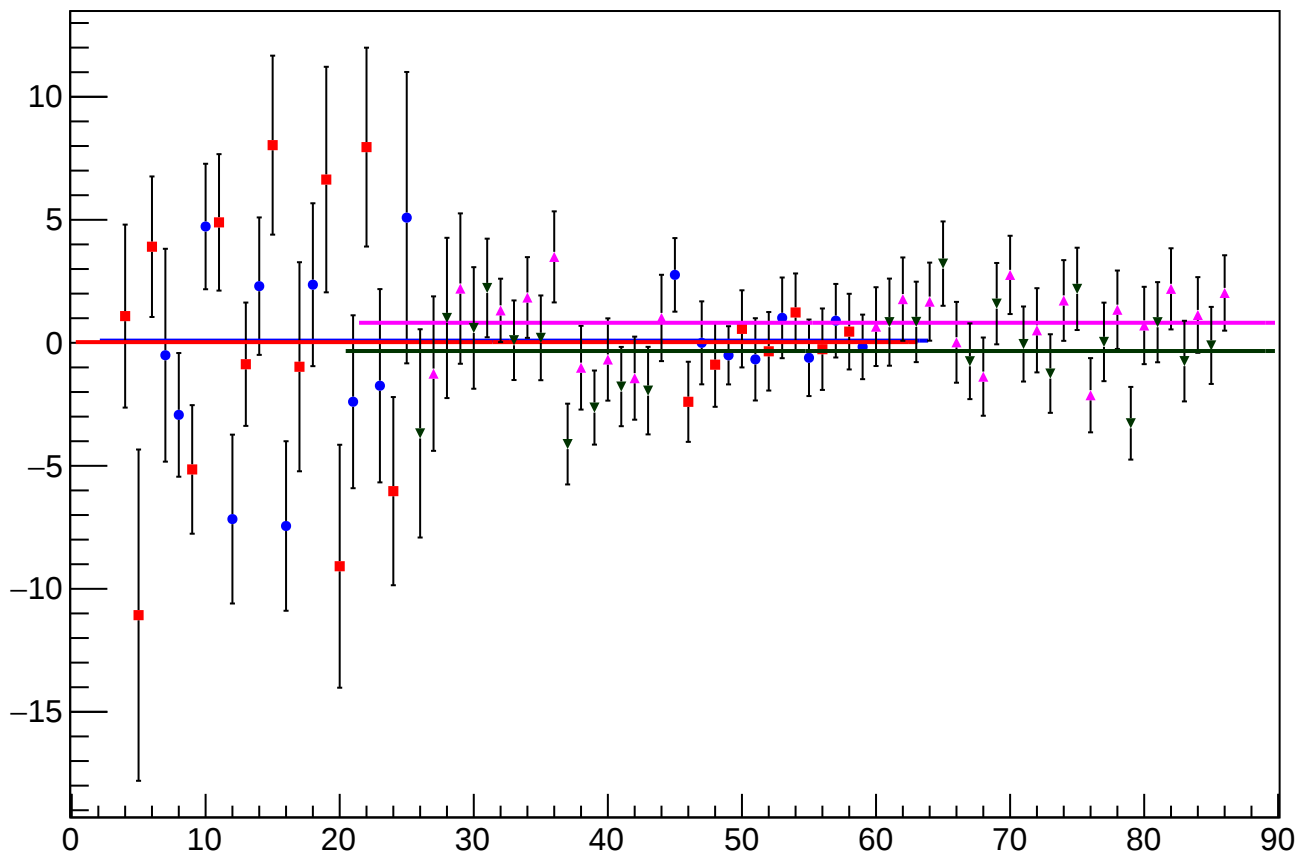
Right Out: 149.507+/-0.035 χ^2/NDF : 1490705.1/18

Left In: 134.060+/-0.027 χ^2/NDF : 1222476.6/22

151.910+/-0.023 χ^2/NDF : 2263184.7/40

139.844+/-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: -0.333 $\pm$ 0.358 χ^2 /NDF: 25.9/22

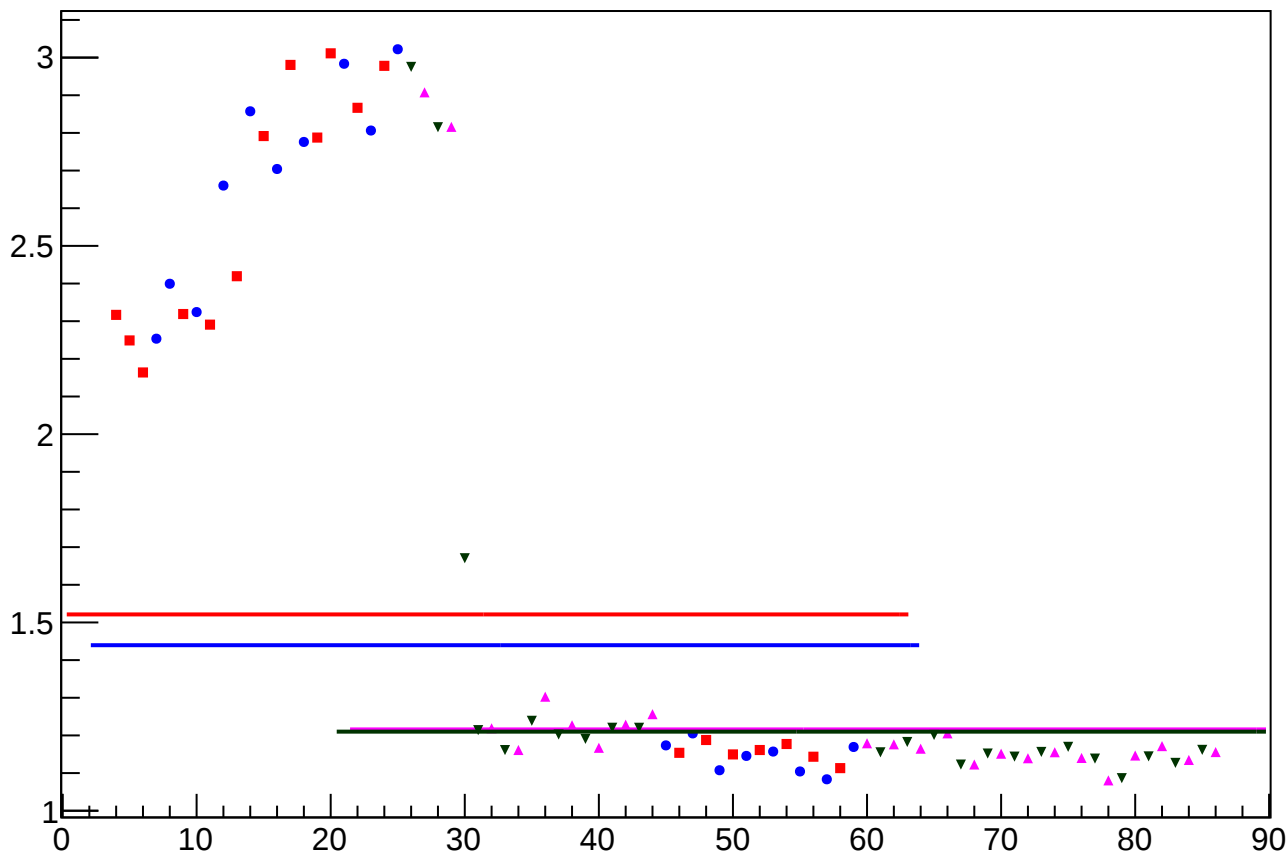
Right Out: 0.028 $\pm$ 0.520 χ^2 /NDF: 31.9/18

Left In: 0.815 $\pm$ 0.347 χ^2 /NDF: 16.9/22

-0.176 $\pm$ 0.284 χ^2 /NDF: 47.5/40

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:952830.8/22

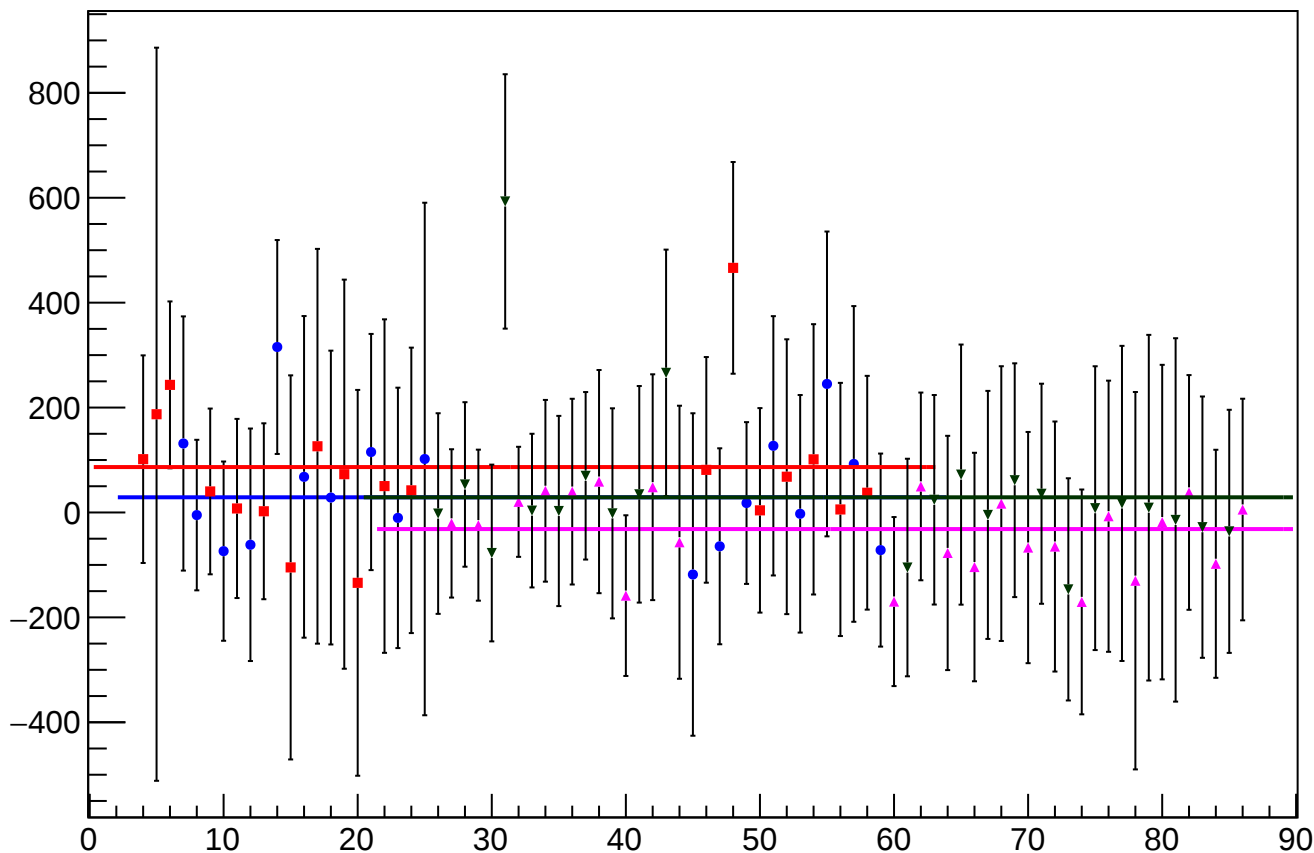
Right Out: 1.521 $\pm$ 0.000 χ^2 /NDF: 2870549.2/18

Left In: 1.216 $\pm$ 0.000 χ^2 /NDF:1193076.7/22

1.295 $\pm$ 0.000 χ^2 /NDF: 4667696.3/40

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: 28.902 ± 43.534 χ^2/NDF : 8.4/22

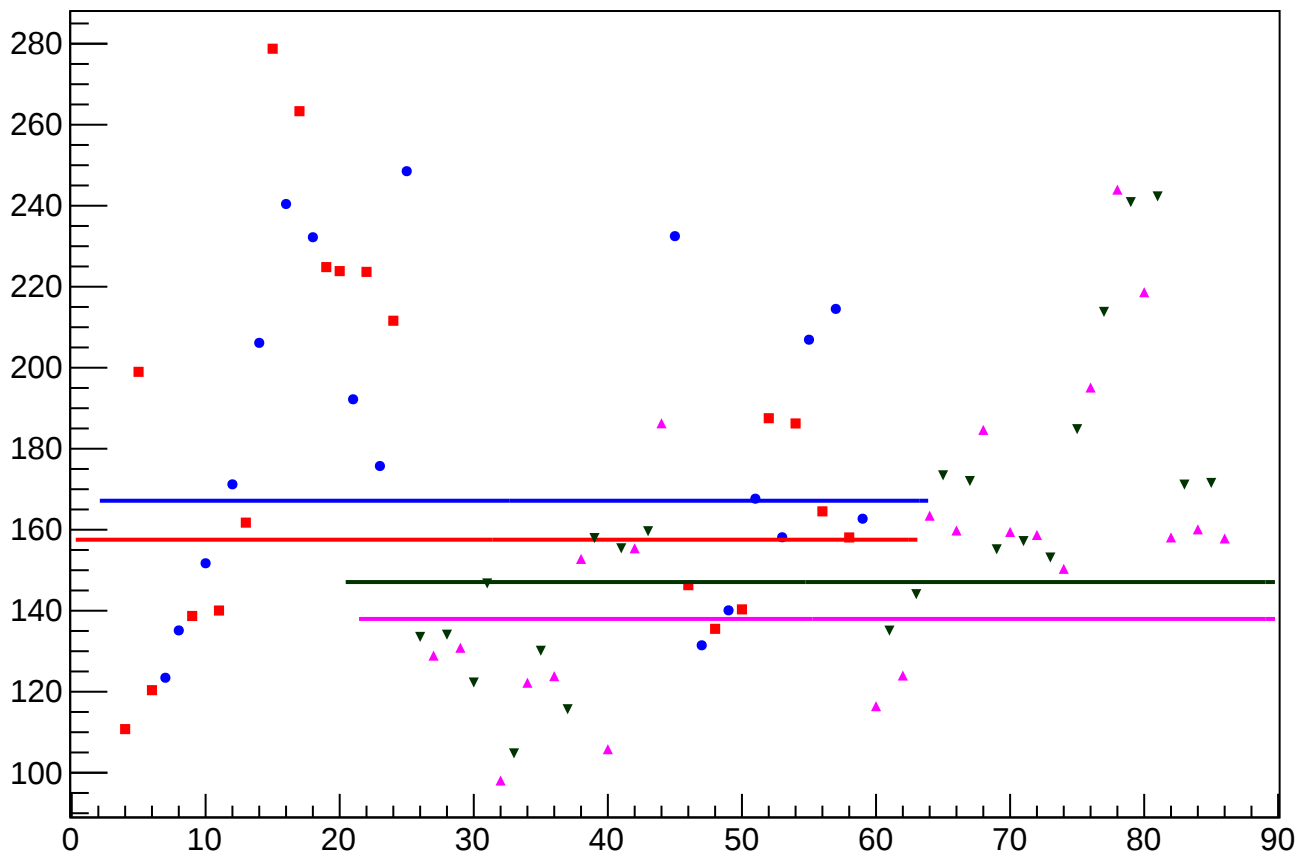
Right Out: 86.558 ± 52.059 χ^2/NDF : 6.1/18

Left In: -31.648 ± 39.585 χ^2/NDF : 3.5/22

28.914 ± 33.241 χ^2/NDF : 12.9/40

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: 147.079+/-0.031 χ^2/NDF : 896272.0/22

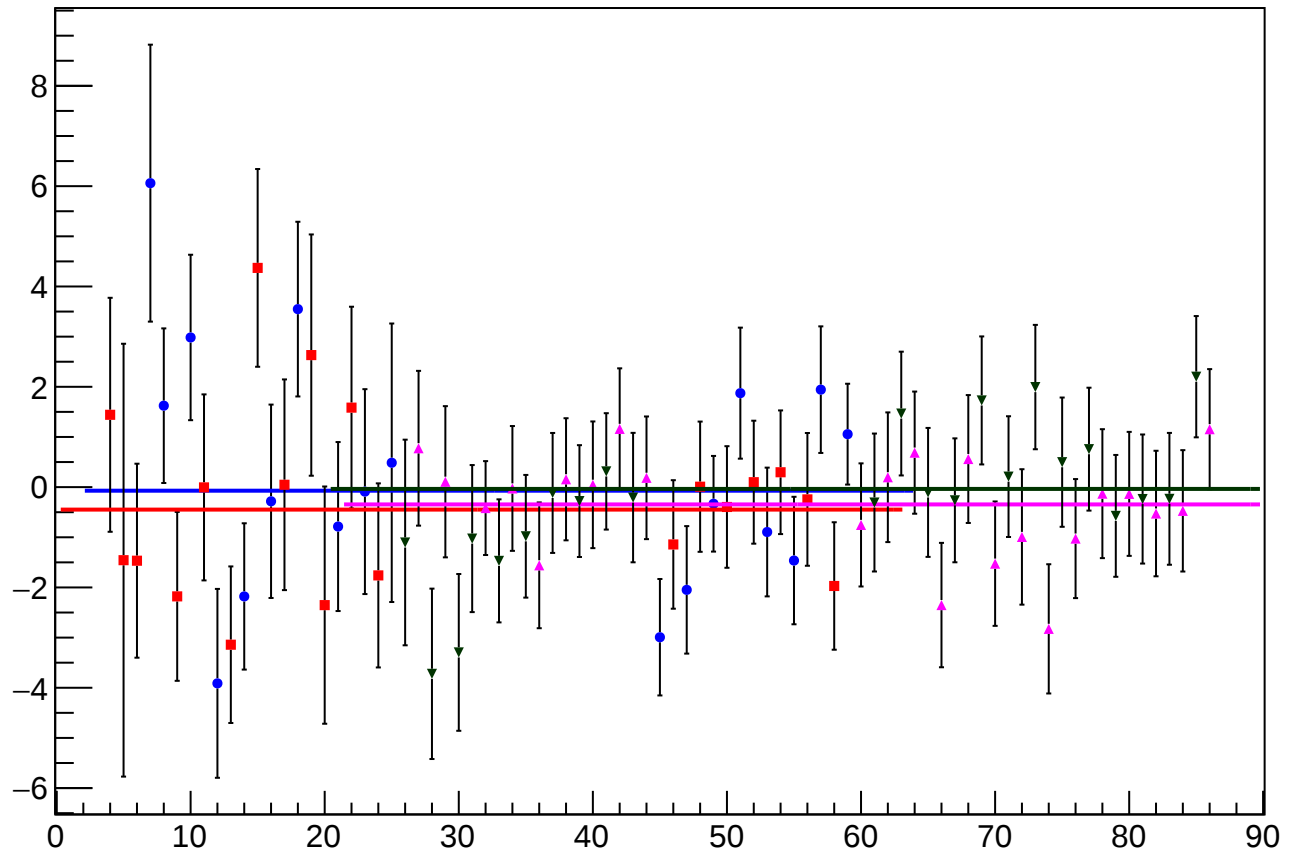
Right Out: 157.534+/-0.037 χ^2/NDF : 1049684.2/18

Left In: 137.973+/-0.028 χ^2/NDF : 1180542.3/22

155.452+/-0.024 χ^2/NDF : 1949495.3/40

145.140+/-0.022 χ^2/NDF : 2409148.6/41

asym_cav4dQ_mean vs slug



Right In: -0.071 ± 0.335 $\chi^2/\text{NDF}: 36.8/17$

Left Out: -0.036 ± 0.269 $\chi^2/\text{NDF}: 22.4/22$

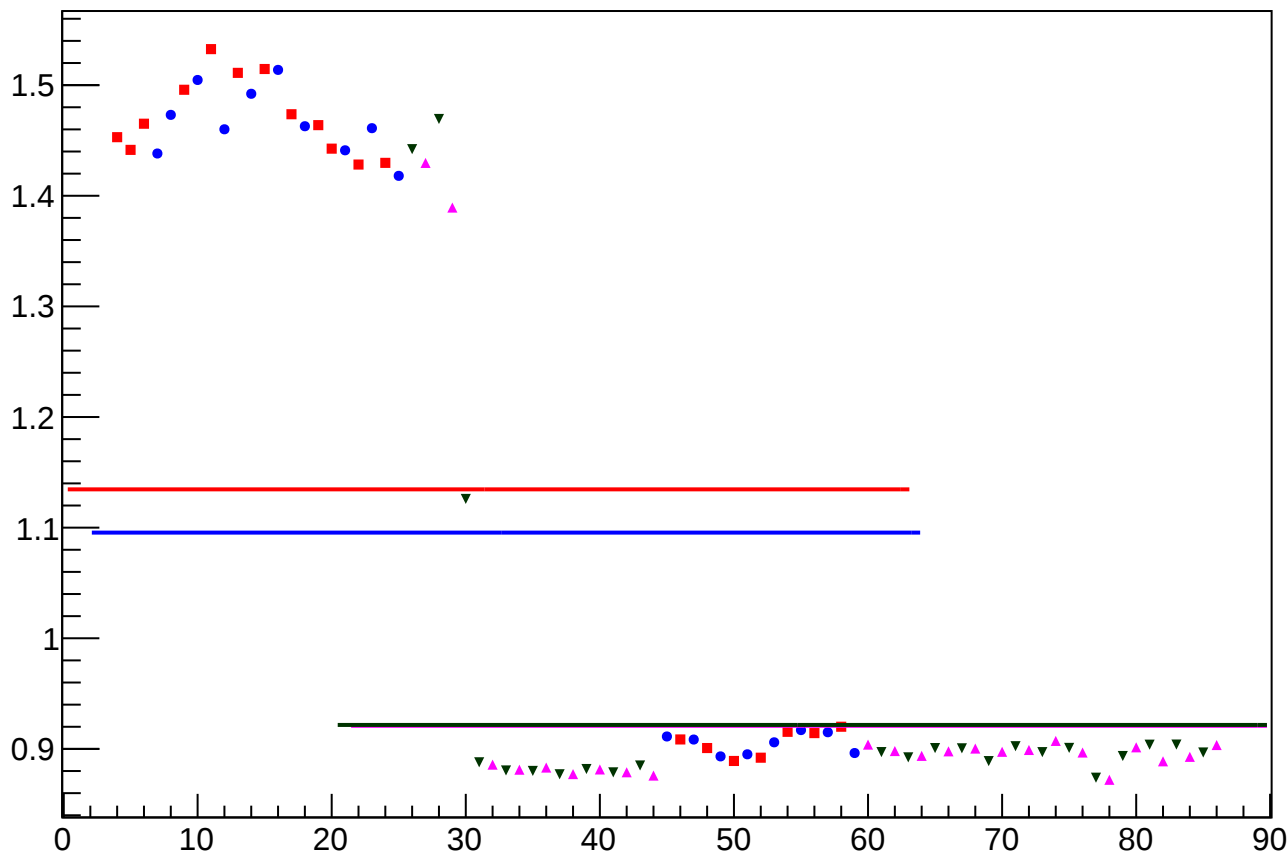
Right Out: -0.448 ± 0.369 $\chi^2/\text{NDF}: 17.4/18$

Left In: -0.345 ± 0.259 $\chi^2/\text{NDF}: 14.6/22$

-0.050 ± 0.210 $\chi^2/\text{NDF}: 59.2/40$

-0.379 ± 0.212 $\chi^2/\text{NDF}: 32.0/41$

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 : 398164.9/22

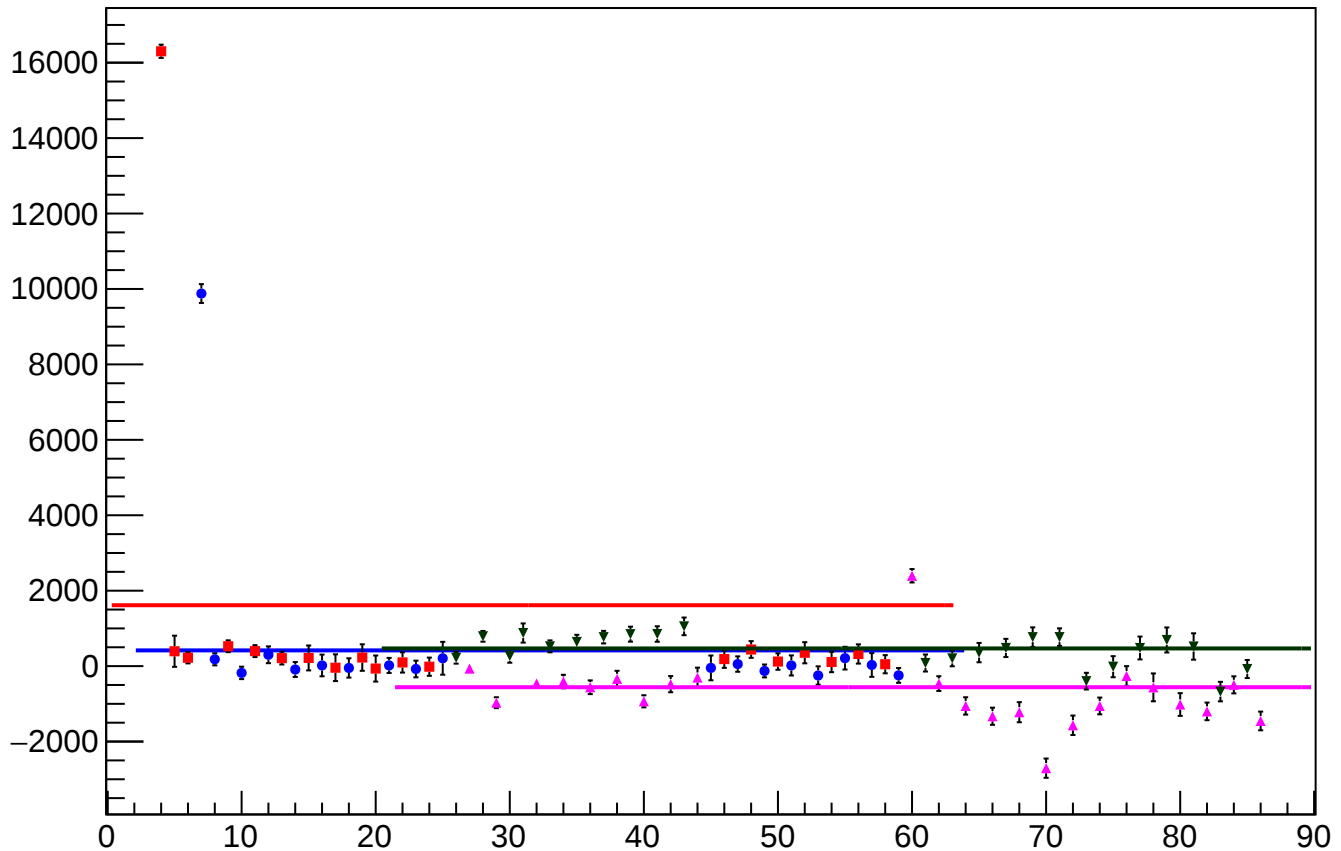
Right Out: 1.135+/-0.000 χ^2/NDF : 1161881.6/18

Left In: 0.921+/-0.000 χ^2/NDF : 438731.2/22

0.990+/-0.000 χ^2/NDF : 2014190.2/40

0.991+/-0.000 χ^2/NDF : 2050254.8/41

asym_bcm0l02_mean vs slug



Right In: 417.186+/-52.636 χ^2/NDF : 1507.9/17

Left Out: 468.632+/-44.265 χ^2/NDF : 80.3/22

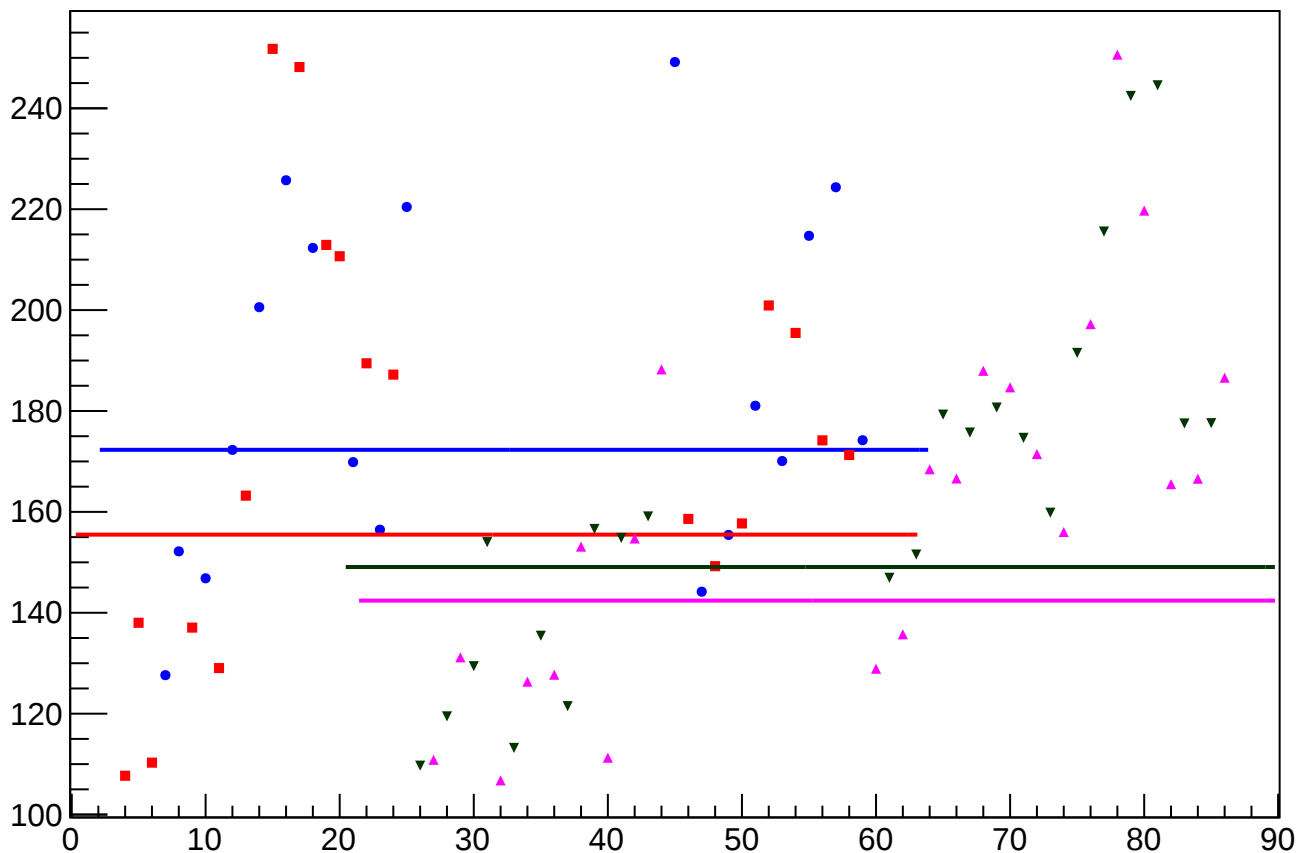
447.320+/-33.878 χ^2/NDF : 1588.8/40

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: 149.071+/-0.031 χ^2/NDF :1028575.3/22

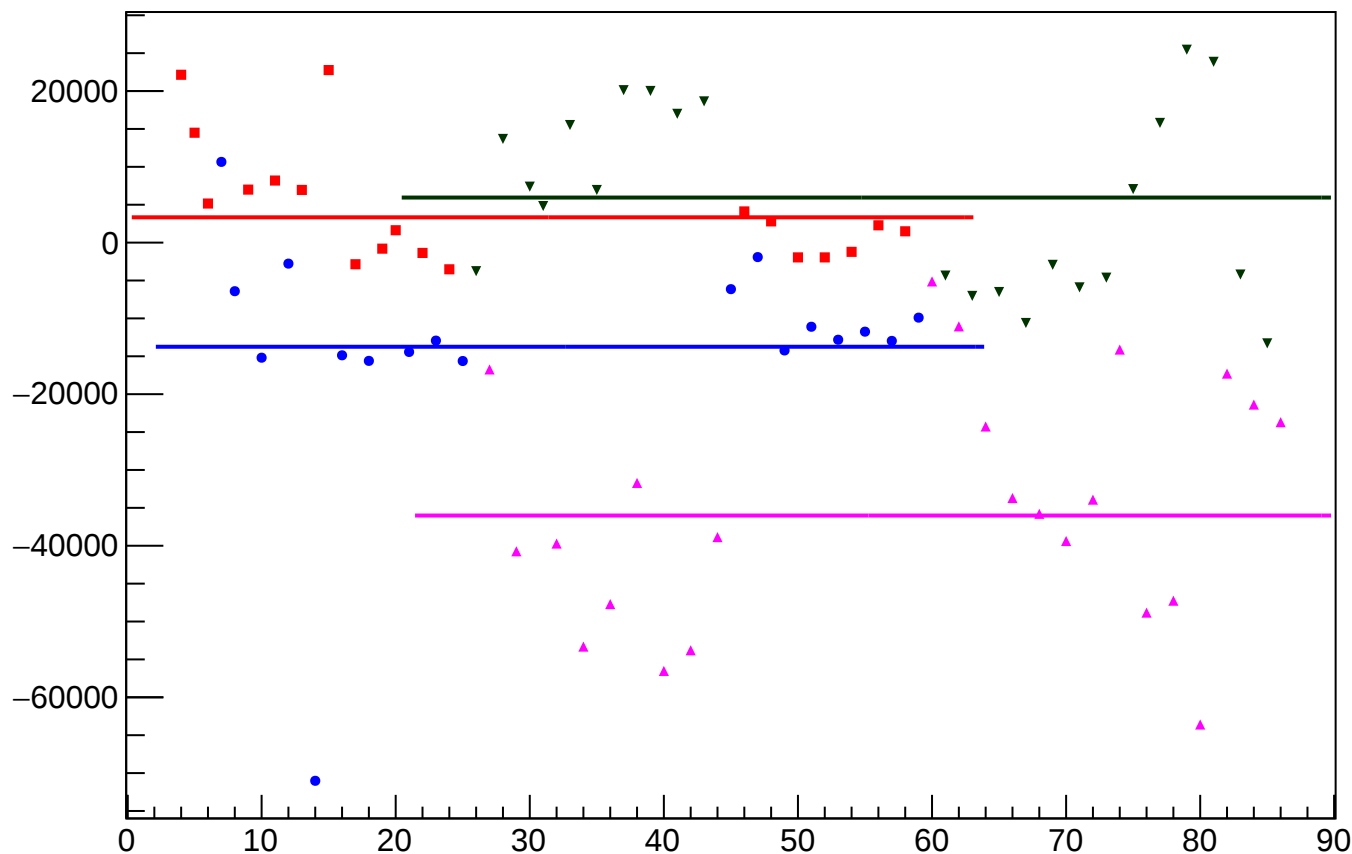
158.695+/-0.024 χ^2/NDF : 1857608.4/40

Right Out: 155.494+/-0.036 χ^2/NDF : 1018742.9/18

147.505+/-0.023 χ^2/NDF : 2324338.1/41

Left In: 142.410+/-0.029 χ^2/NDF :1225659.7/22

asym_bpm2i01WS_mean vs slug



Right In: -13741.376 ± 32.053 χ^2/NDF : 222194.3/17

Left Out: 5946.866 ± 27.792 χ^2/NDF : 188633.2/22

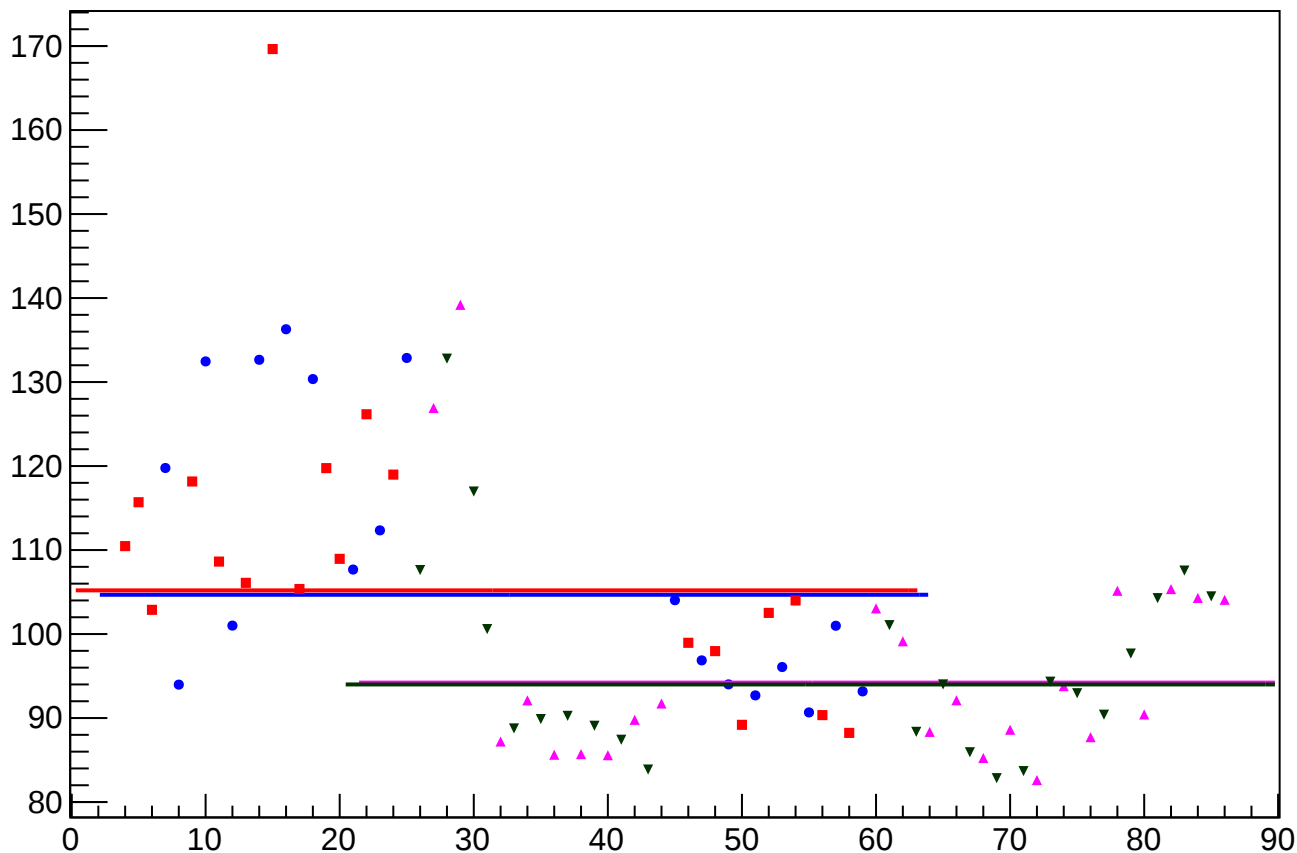
Right Out: 3338.926 ± 34.258 χ^2/NDF : 31361.1/18

Left In: -36013.093 ± 26.859 χ^2/NDF : 308743.1/22

-2502.468 ± 20.998 χ^2/NDF : 626205.1/40

-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: 93.999 $\pm$ 0.020 χ^2 /NDF:292567.2/22

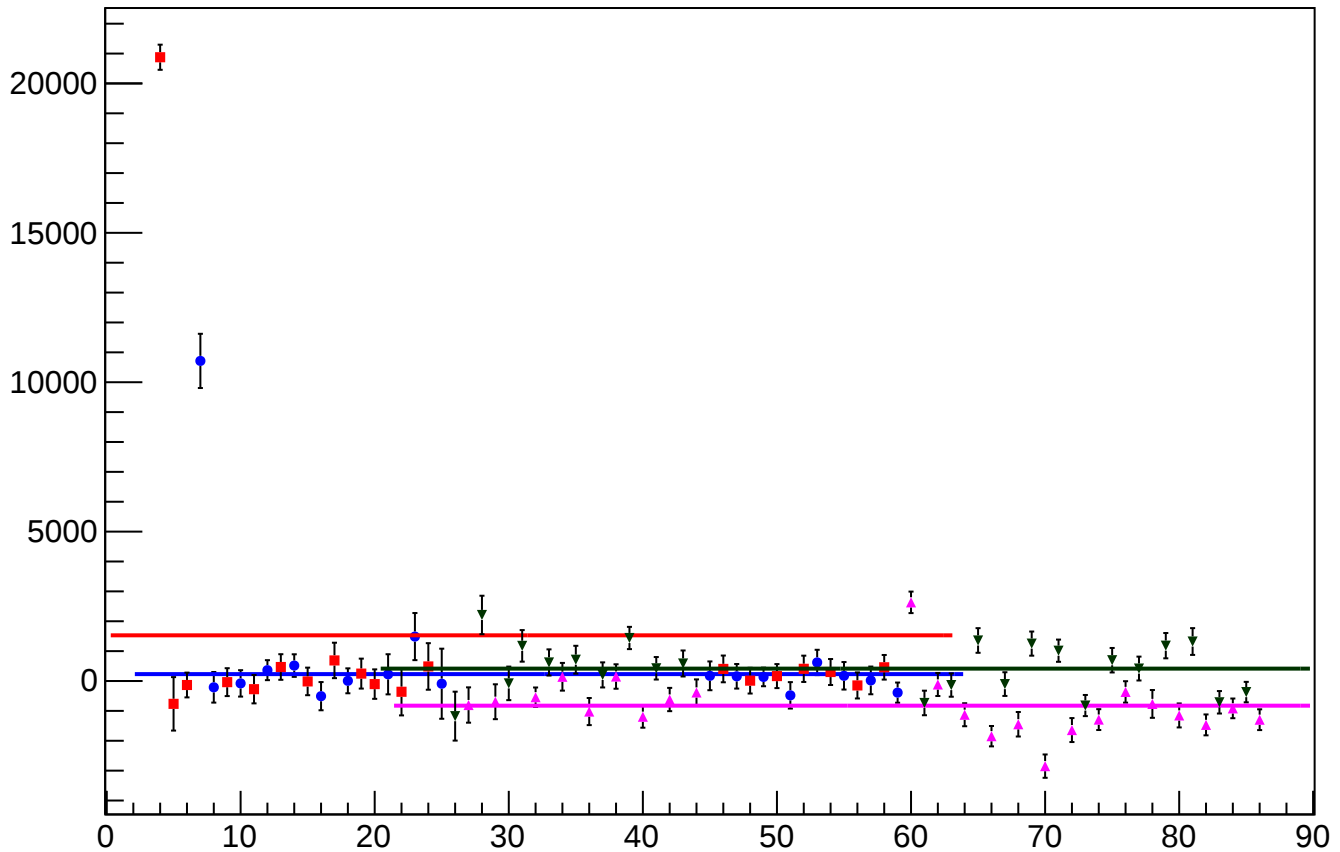
98.582 $\pm$ 0.015 χ^2 /NDF: 851014.2/40

Right Out: 105.200 $\pm$ 0.024 χ^2 /NDF: 336723.5/18

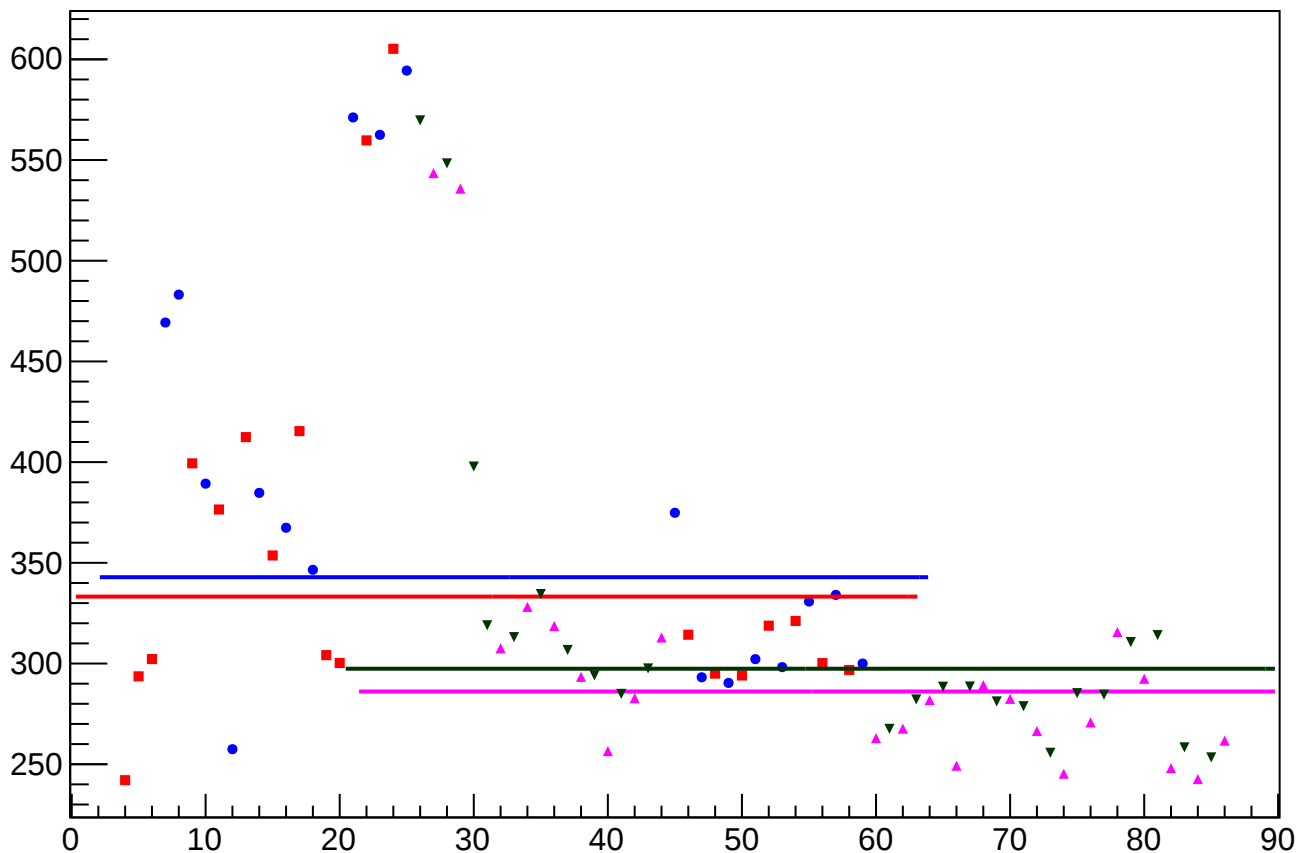
98.400 $\pm$ 0.015 χ^2 /NDF: 875604.0/41

Left In: 94.219 $\pm$ 0.019 χ^2 /NDF:411607.4/22

asym_bpm0i07WS_mean vs slug



asym_bpm0i07WS_rms vs slug



Right In: 342.865 ± 0.074 $\chi^2/\text{NDF}: 1018623.1/17$

Left Out: 297.419 ± 0.062 $\chi^2/\text{NDF}: 725651.4/22$

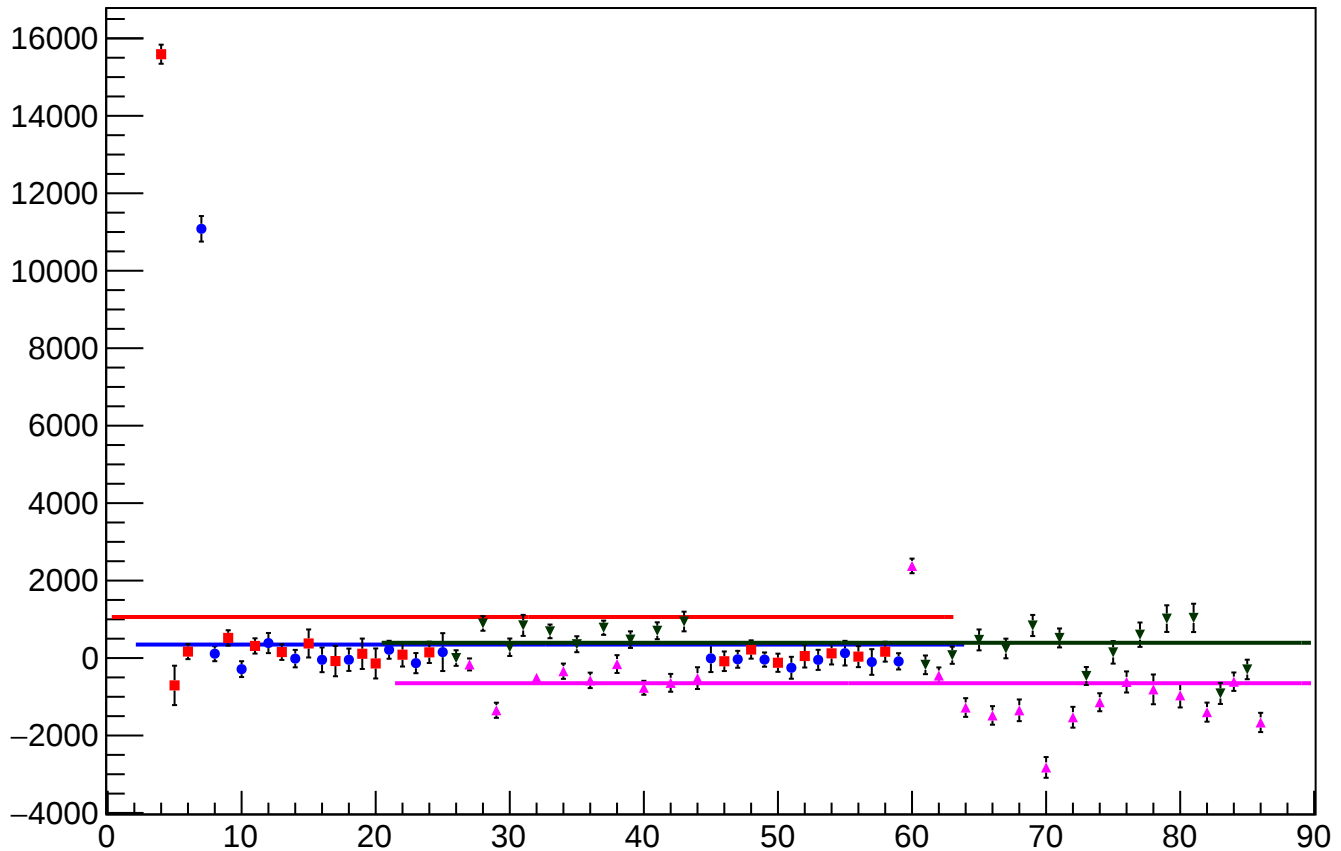
Right Out: 333.230 ± 0.077 $\chi^2/\text{NDF}: 768934.3/18$

Left In: 286.107 ± 0.058 $\chi^2/\text{NDF}: 951317.7/22$

316.033 ± 0.048 $\chi^2/\text{NDF}: 1964496.0/40$

302.990 ± 0.046 $\chi^2/\text{NDF}: 1960361.2/41$

asym_bpm0l01WS_mean vs slug



Right In: 348.196+/-59.644 χ^2/NDF : 1103.2/17

Left Out: 394.171+/-49.269 χ^2/NDF : 90.8/22

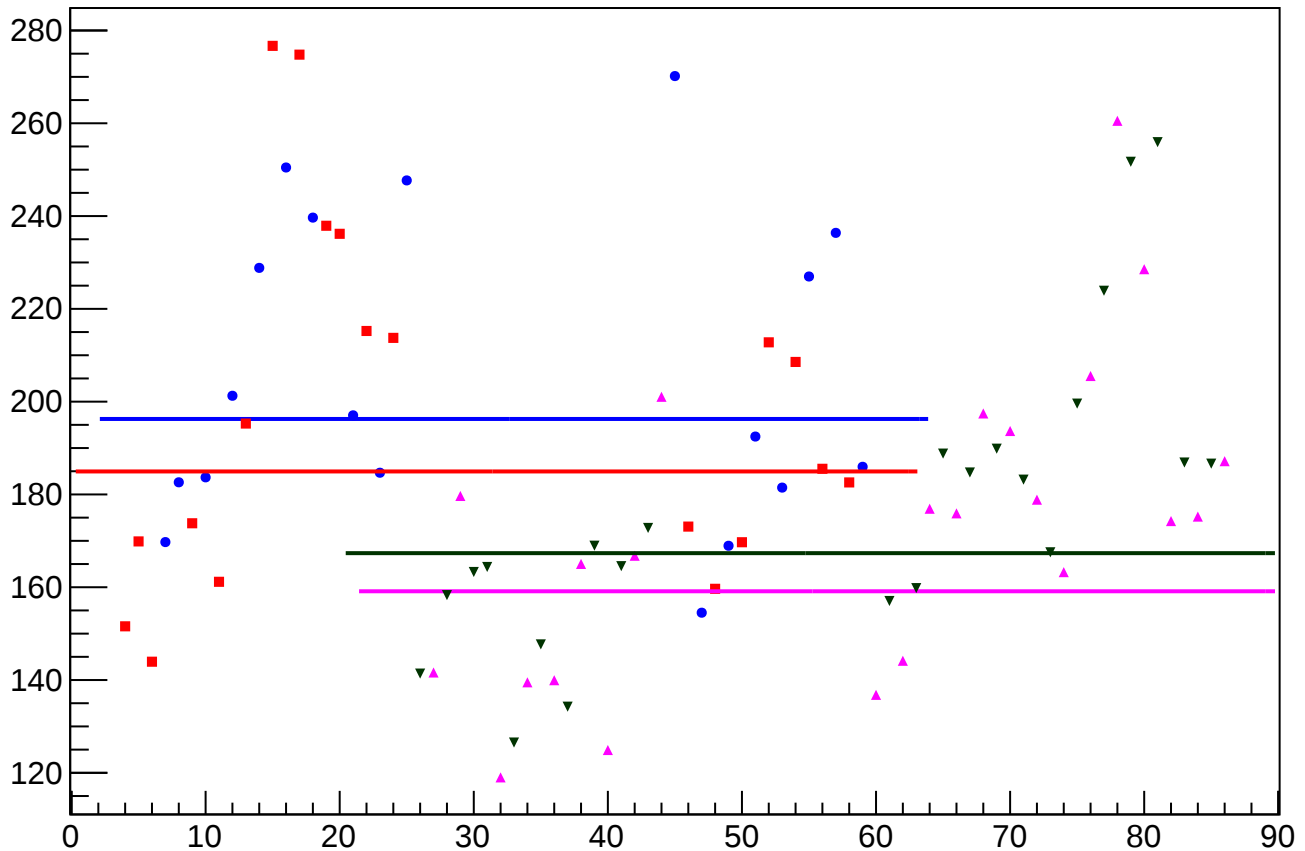
375.524+/-37.985 χ^2/NDF : 1194.3/40

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 χ^2/NDF : 466122.9/17

Left Out: 167.346 ± 0.035 χ^2/NDF : 628198.1/22

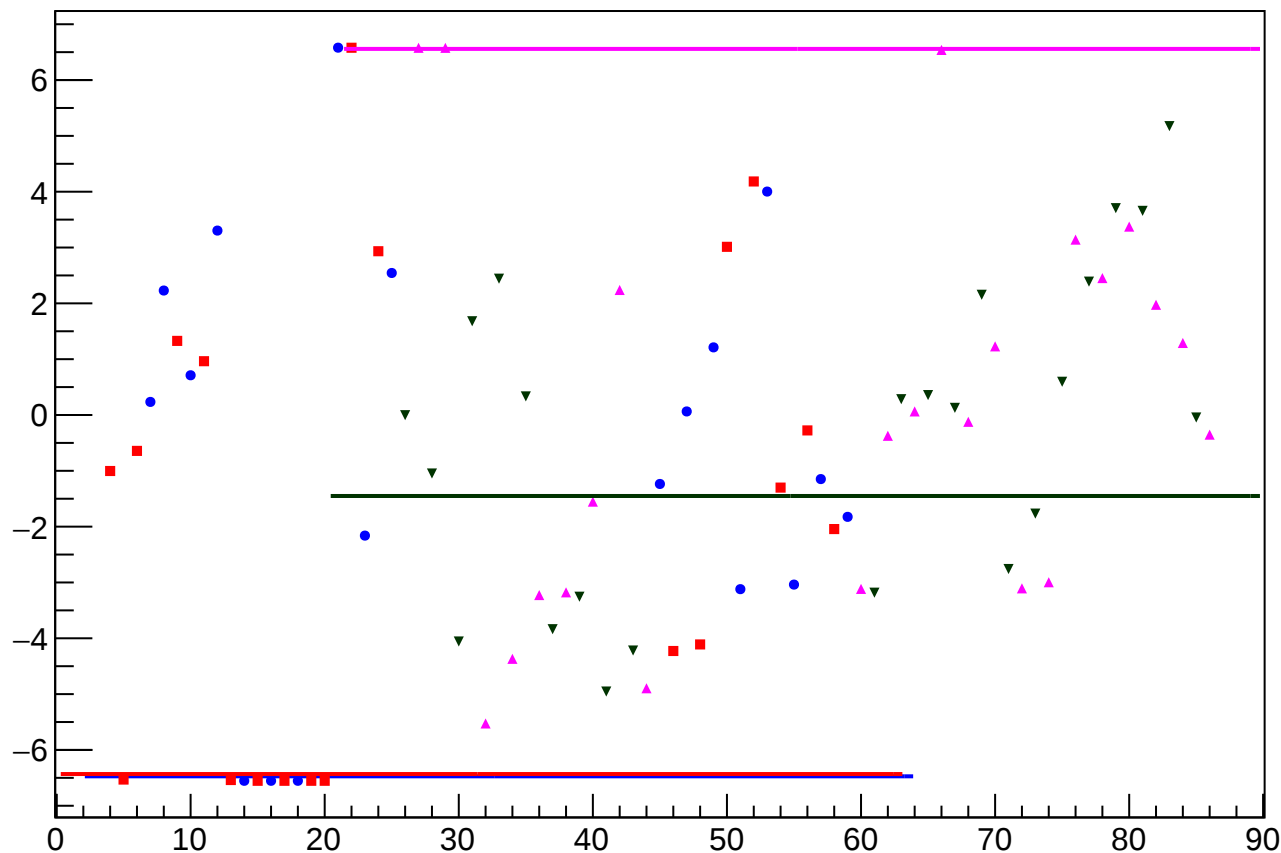
Right Out: 184.956 ± 0.042 χ^2/NDF : 580645.4/18

Left In: 159.129 ± 0.032 χ^2/NDF : 885713.1/22

179.077 ± 0.027 χ^2/NDF : 1373862.0/40

168.493 ± 0.026 χ^2/NDF : 1702319.4/41

yield_cav4bX_mean vs slug



Right In: -6.473+/-0.000 χ^2/NDF : 127847949322838.5/17

Left Out: -1.451+/-0.000 χ^2/NDF : 59662854.1/22

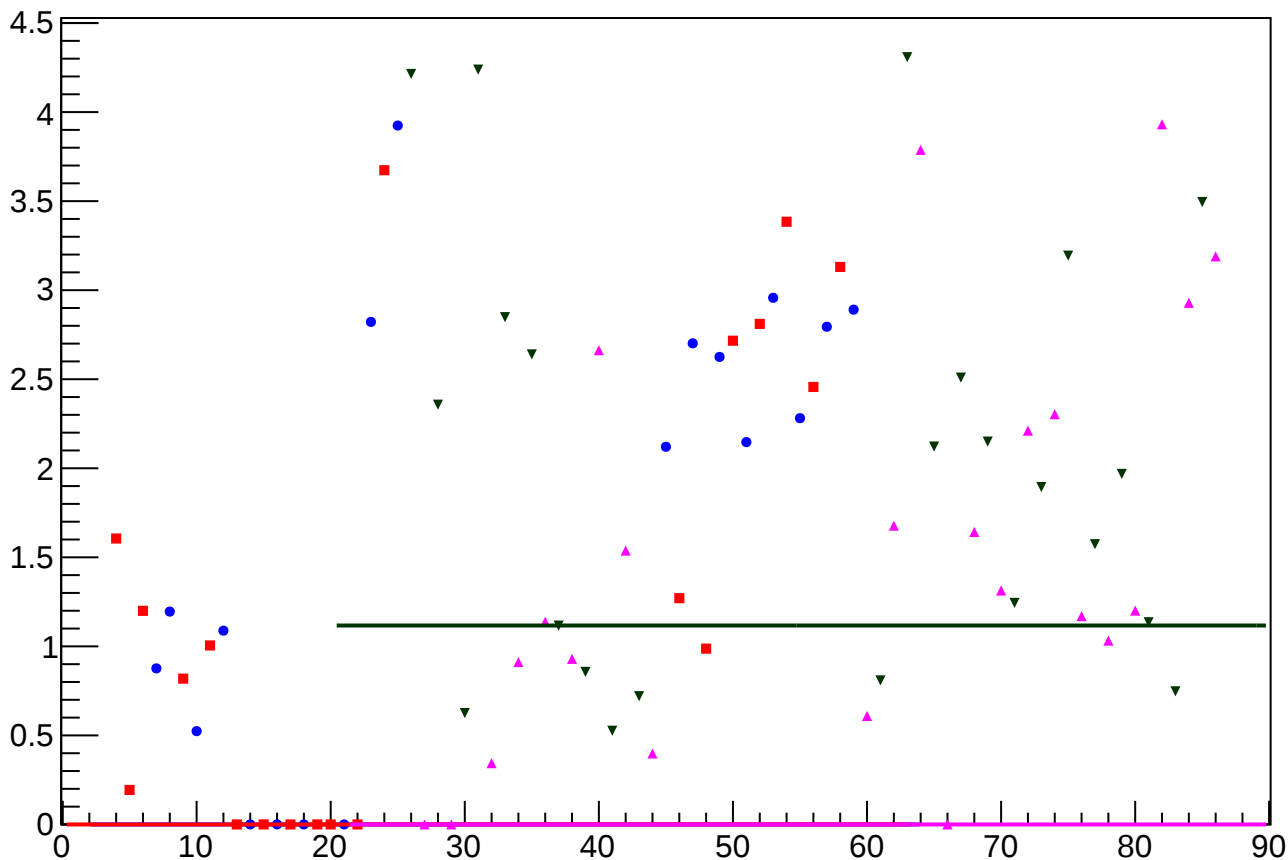
Right Out: -6.432+/-0.000 χ^2/NDF : 150837619676093.8/18

Left In: 6.558+/-0.000 χ^2/NDF : 1591210421.2/22

-6.473+/-0.000 χ^2/NDF : 127848131666461.8/4

-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: 1.117+/-0.000 χ^2/NDF : 5387453.5/22

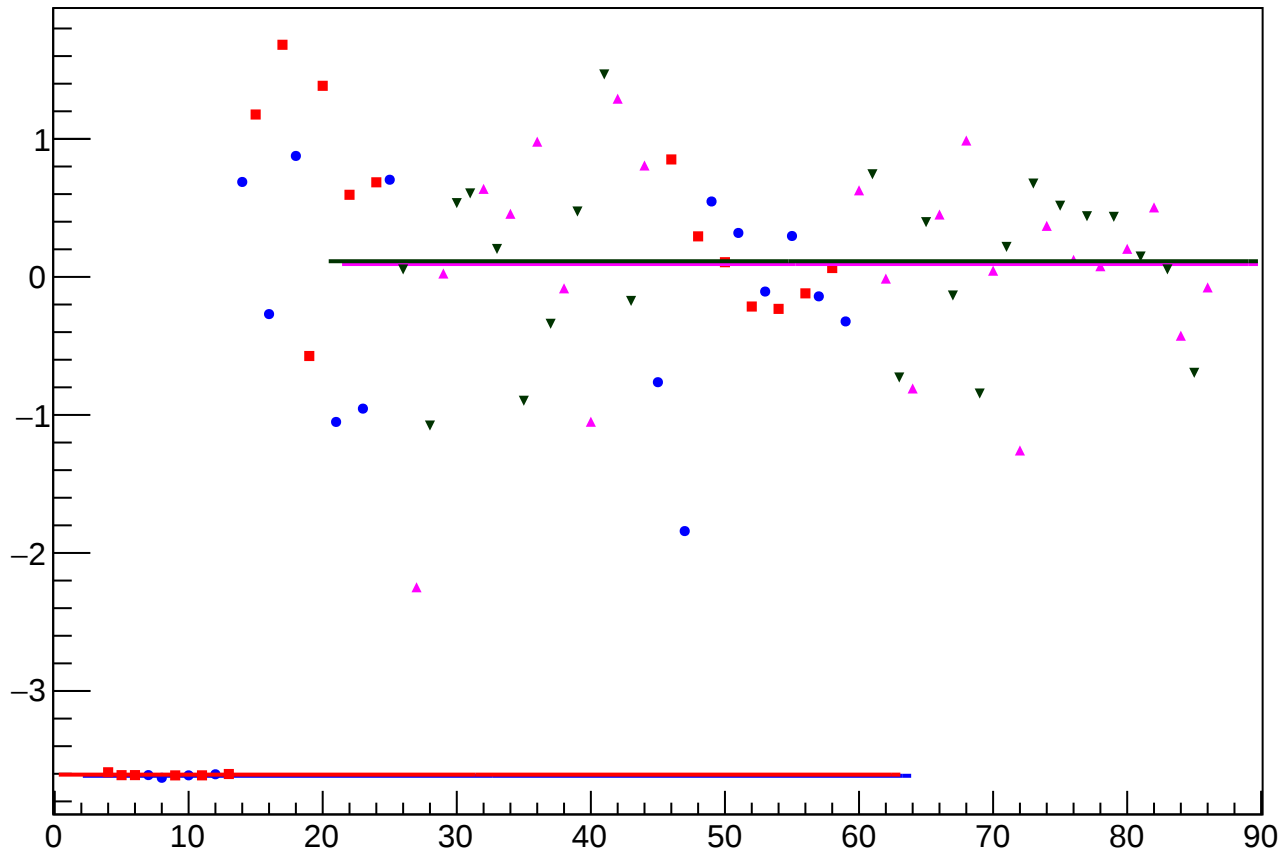
Right Out: 0.000+/-0.000 χ^2/NDF : 9626570.5/18

Left In: 0.000+/-0.000 χ^2/NDF : 15292100.4/22

0.000+/-0.000 χ^2/NDF : 29439137.5/40

0.000+/-0.000 χ^2/NDF : 24918764.1/41

yield_cav4bY_mean vs slug



Right In: -3.614 ± 0.000 $\chi^2/\text{NDF}: 49086055221.8/17$

Left Out: 0.114 ± 0.000 $\chi^2/\text{NDF}: 10877729.0/22$

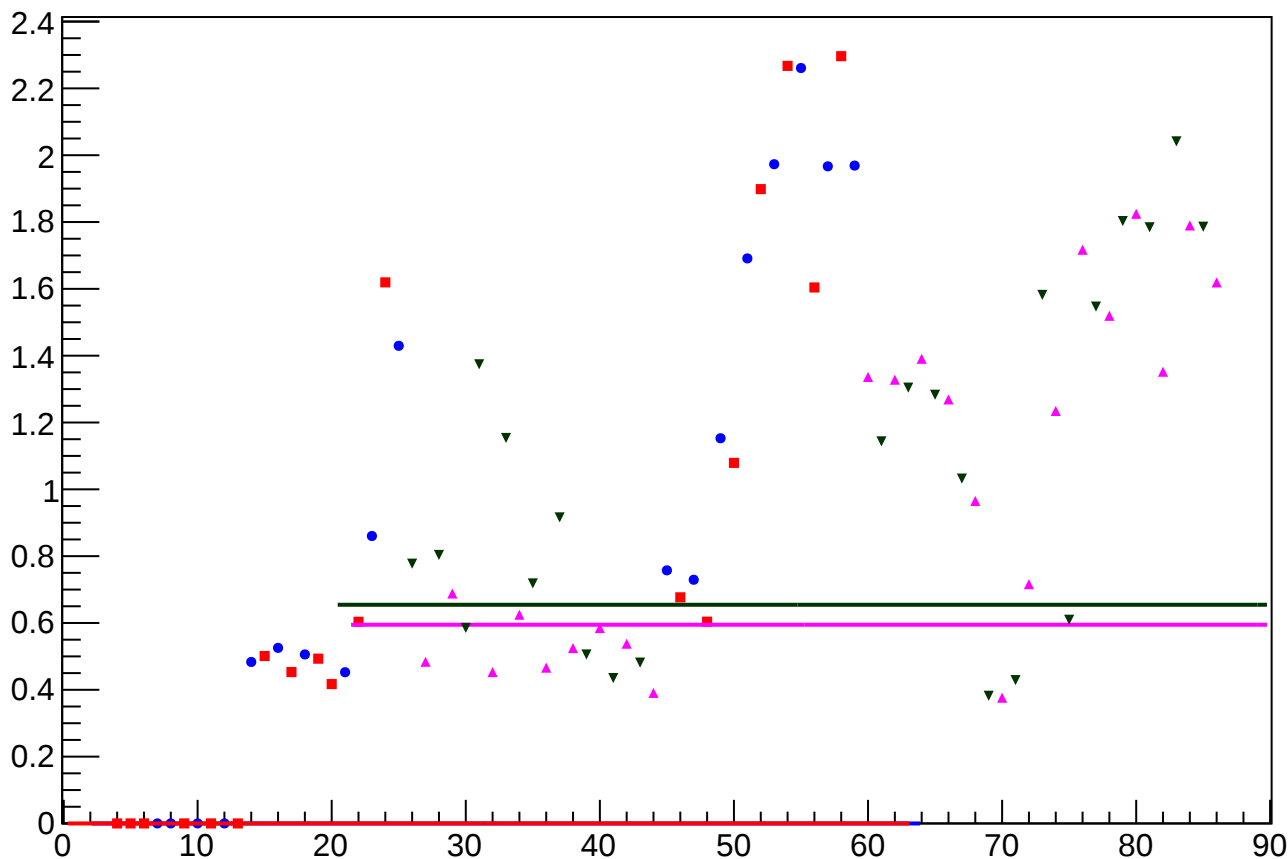
-3.614 ± 0.000 $\chi^2/\text{NDF}: 49342301816.8/40$

Right Out: -3.606 ± 0.000 $\chi^2/\text{NDF}: 37792758949.6/18$

-3.606 ± 0.000 $\chi^2/\text{NDF}: 38128788210.6/41$

Left In: 0.093 ± 0.000 $\chi^2/\text{NDF}: 21959872.0/22$

yield_cav4bY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 13780215.8/17

Left Out: 0.655+/-0.000 χ^2/NDF :4459811.7/22

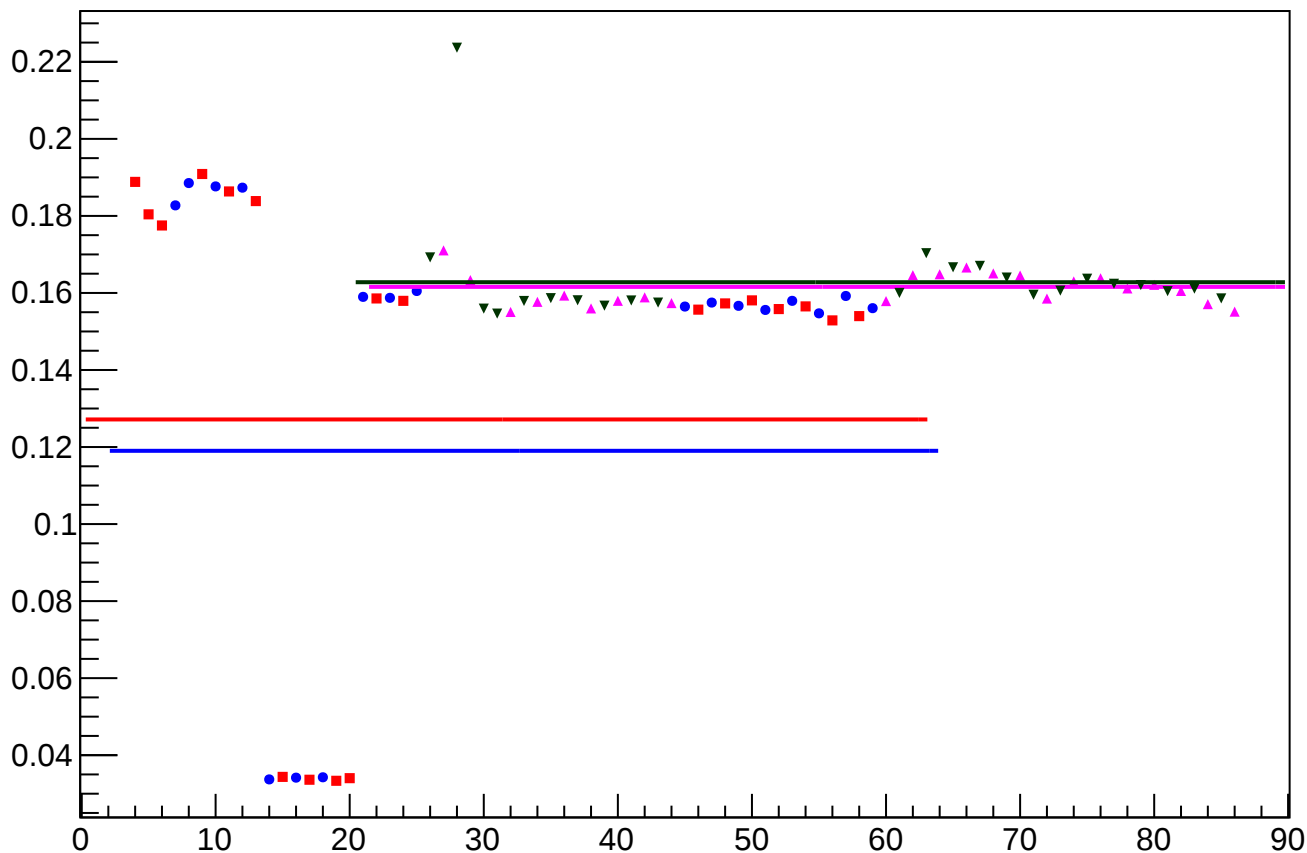
Right Out: 0.000+/-0.000 χ^2/NDF : 10531530.4/18

Left In: 0.595+/-0.000 χ^2/NDF :4883609.6/22

0.000+/-0.000 χ^2/NDF : 33362056.0/40

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 :103095267.5/22

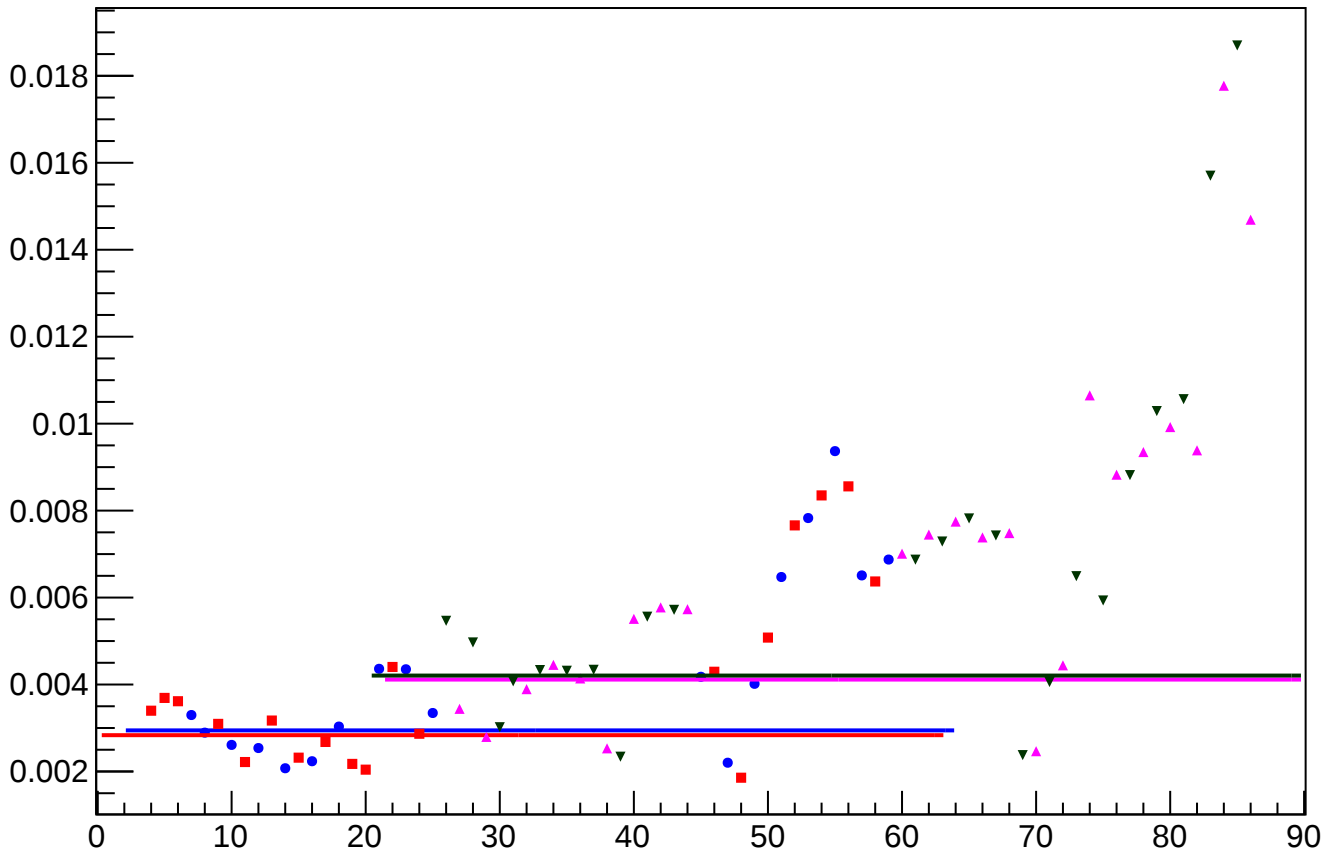
Right Out: 0.127+/-0.000 χ^2/NDF : 4426693928.8/18

Left In: 0.162+/-0.000 χ^2/NDF :13598099.7/22

0.133+/-0.000 χ^2/NDF : 5741119951.1/40

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 :4563284.6/22

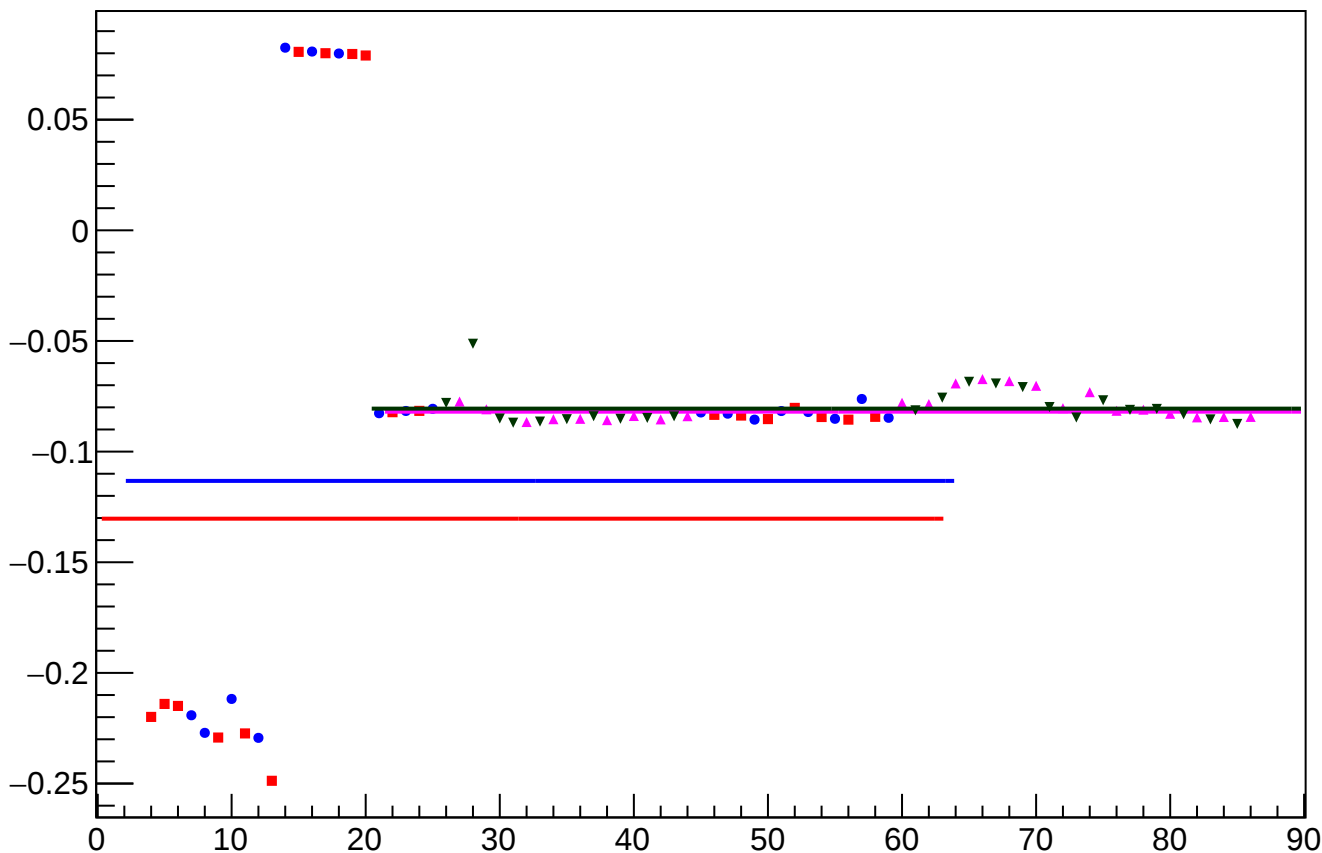
Right Out: 0.003+/-0.000 χ^2/NDF : 2697291.9/18

Left In: 0.004+/-0.000 χ^2/NDF :5151713.9/22

0.003+/-0.000 χ^2/NDF : 8649553.1/40

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 : 42188967.6/22

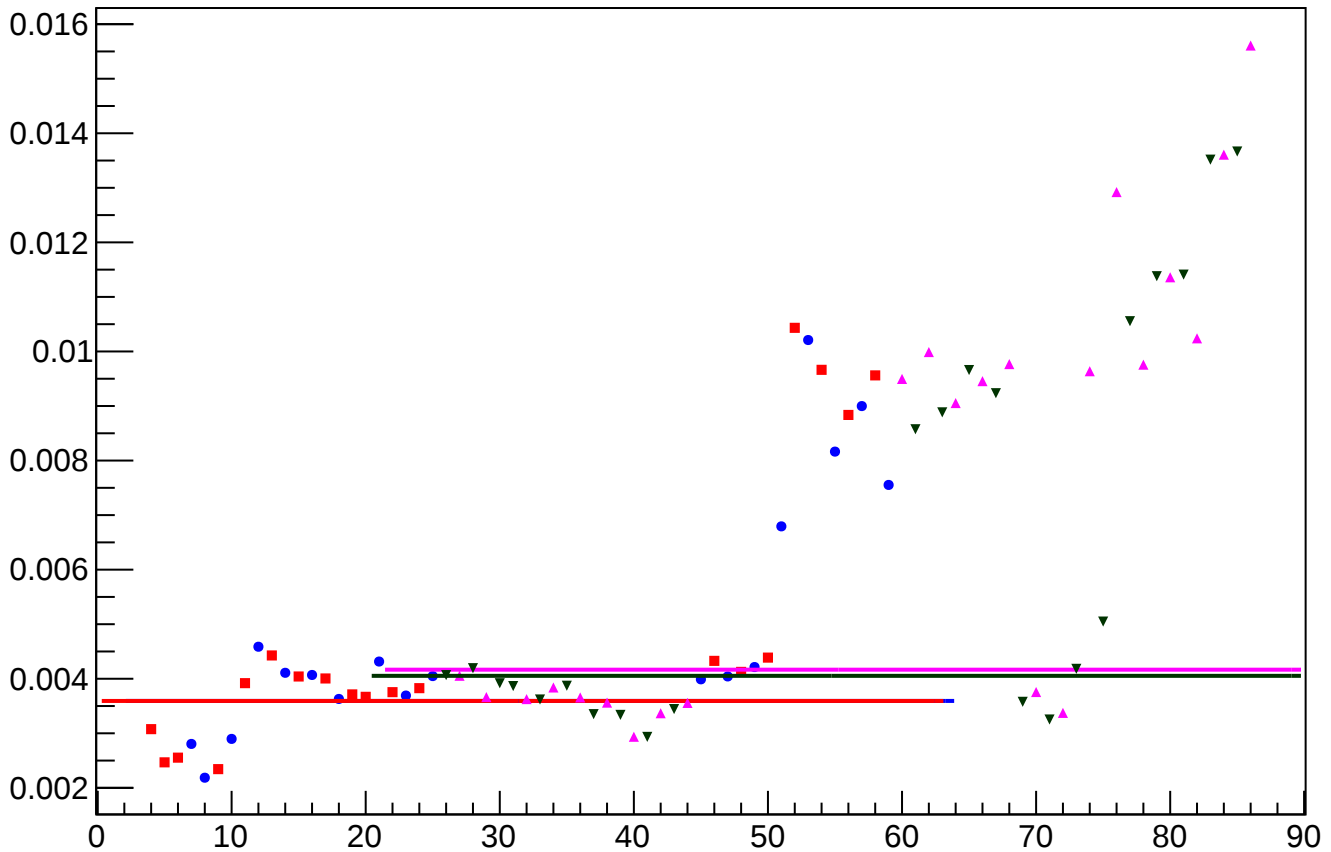
Right Out: -0.130 ± 0.000 χ^2/NDF : 8867144829.5/18

Left In: -0.082 ± 0.000 χ^2/NDF : 13412286.0/22

-0.099 ± 0.000 χ^2/NDF : 10075842430.8/40

-0.108 ± 0.000 χ^2/NDF : 9568095162.3/41

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 :3539711.2/22

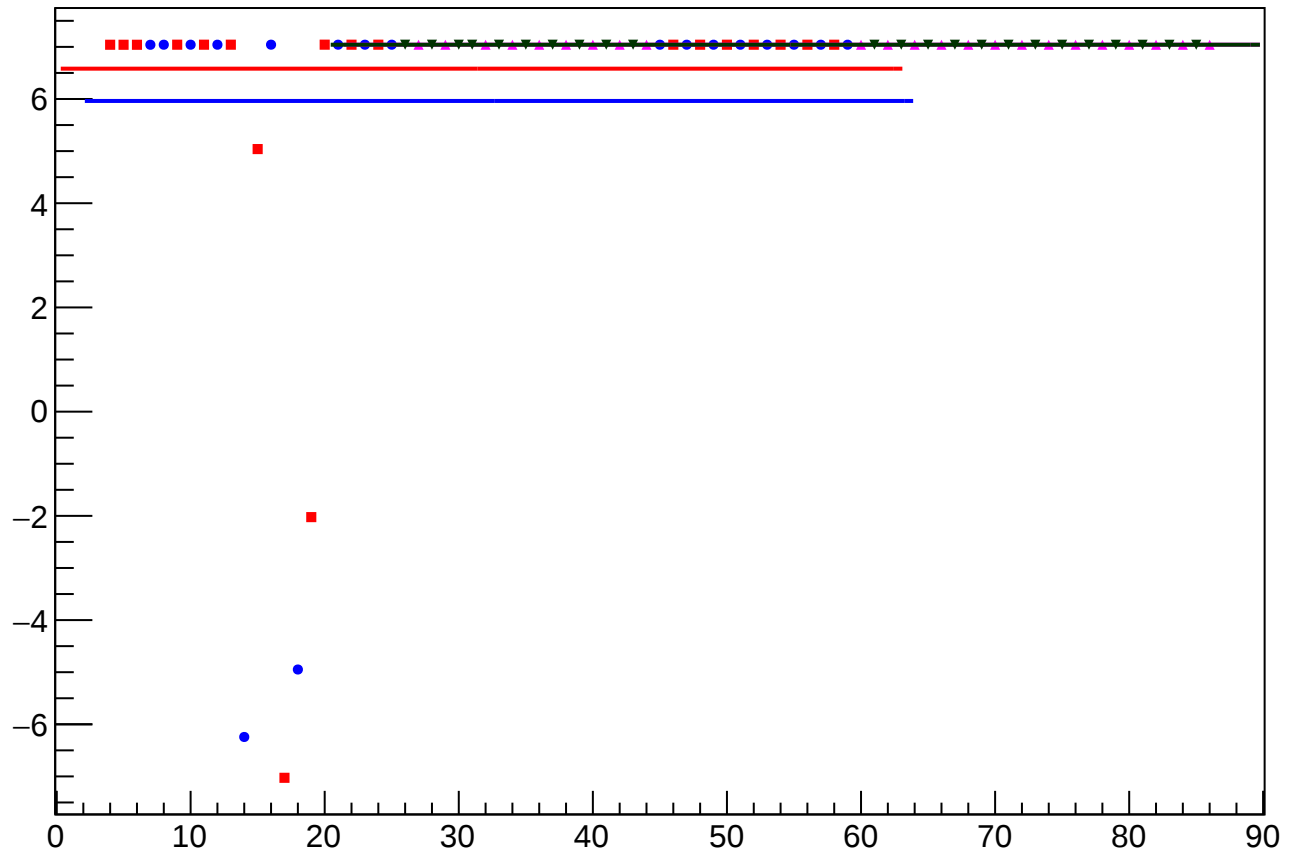
Right Out: 0.004+/-0.000 χ^2/NDF : 2225355.5/18

Left In: 0.004+/-0.000 χ^2/NDF :4445592.0/22

0.004+/-0.000 χ^2/NDF : 6310598.1/40

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 : 45768826.1/22

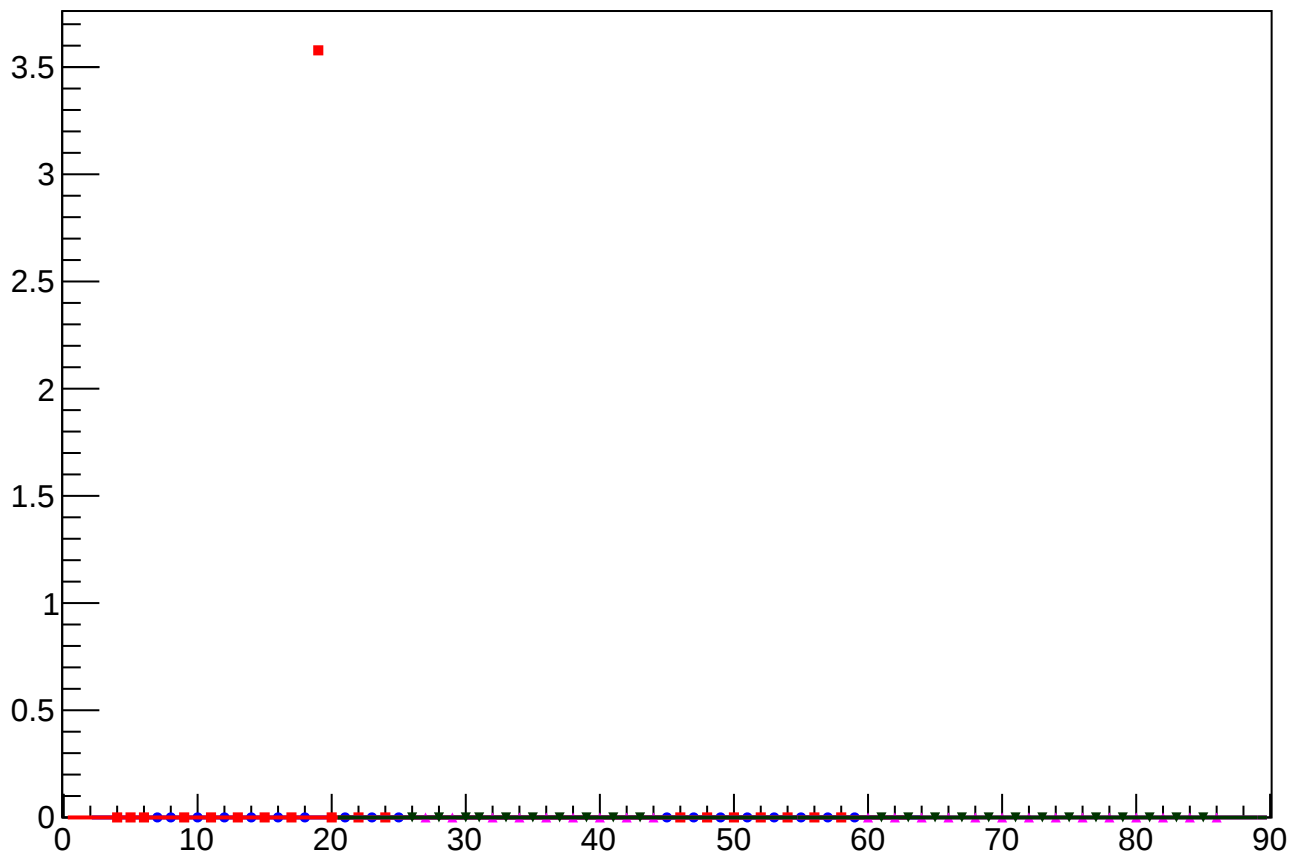
Right Out: 6.582 $\pm$ 0.000 χ^2/NDF : 1856853993700647.2/18

Left In: 7.042 $\pm$ 0.000 χ^2/NDF : 43417531.1/22

6.552 $\pm$ 0.000 χ^2/NDF : 4843322197900441.0/17

6.856 $\pm$ 0.000 χ^2/NDF : 1895310182818907.0/17

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 : 5462.1/22

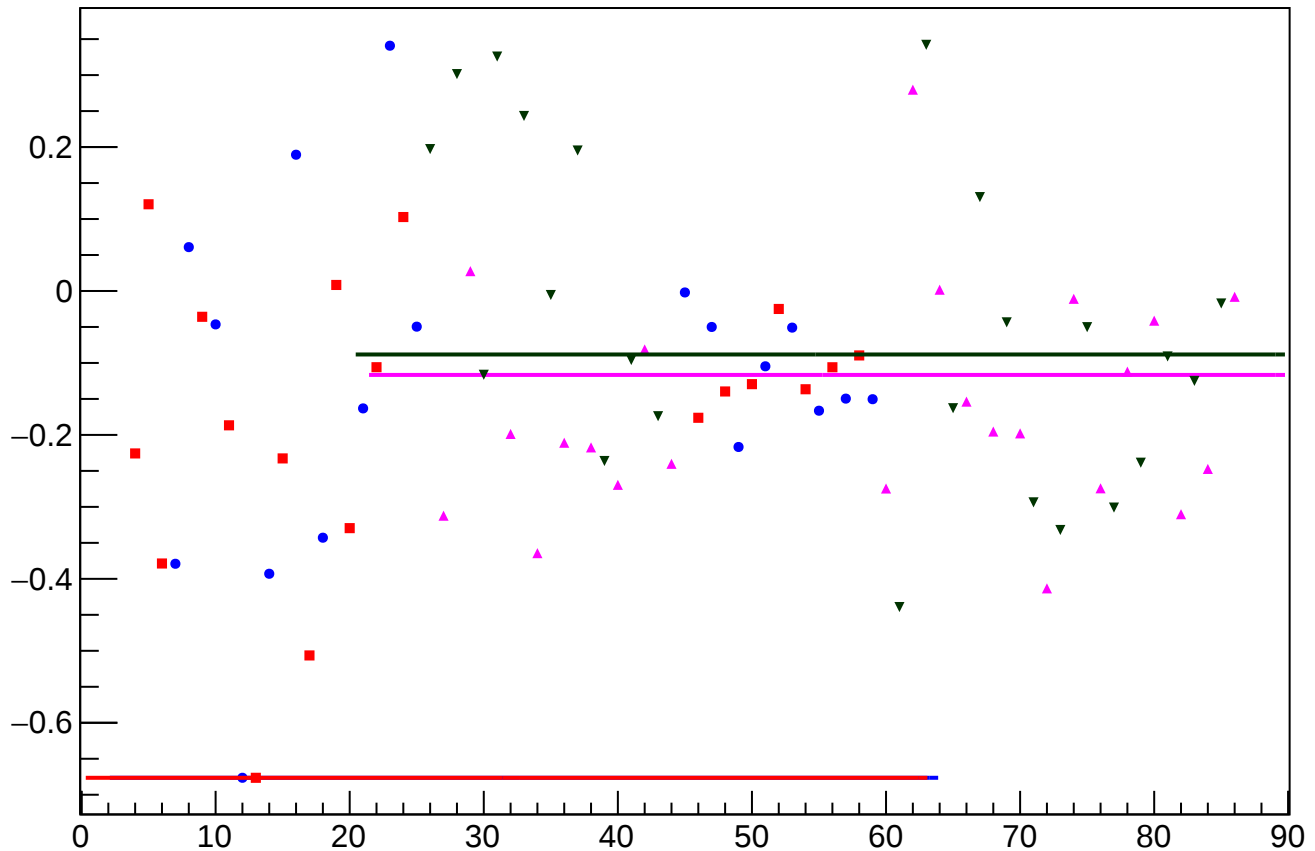
Right Out: 0.000+/-0.000 χ^2/NDF : 697661.6/18

Left In: 0.000+/-0.000 χ^2/NDF : 6243.8/22

0.000+/-0.000 χ^2/NDF : 12577.0/40

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 : 36873474.5/22

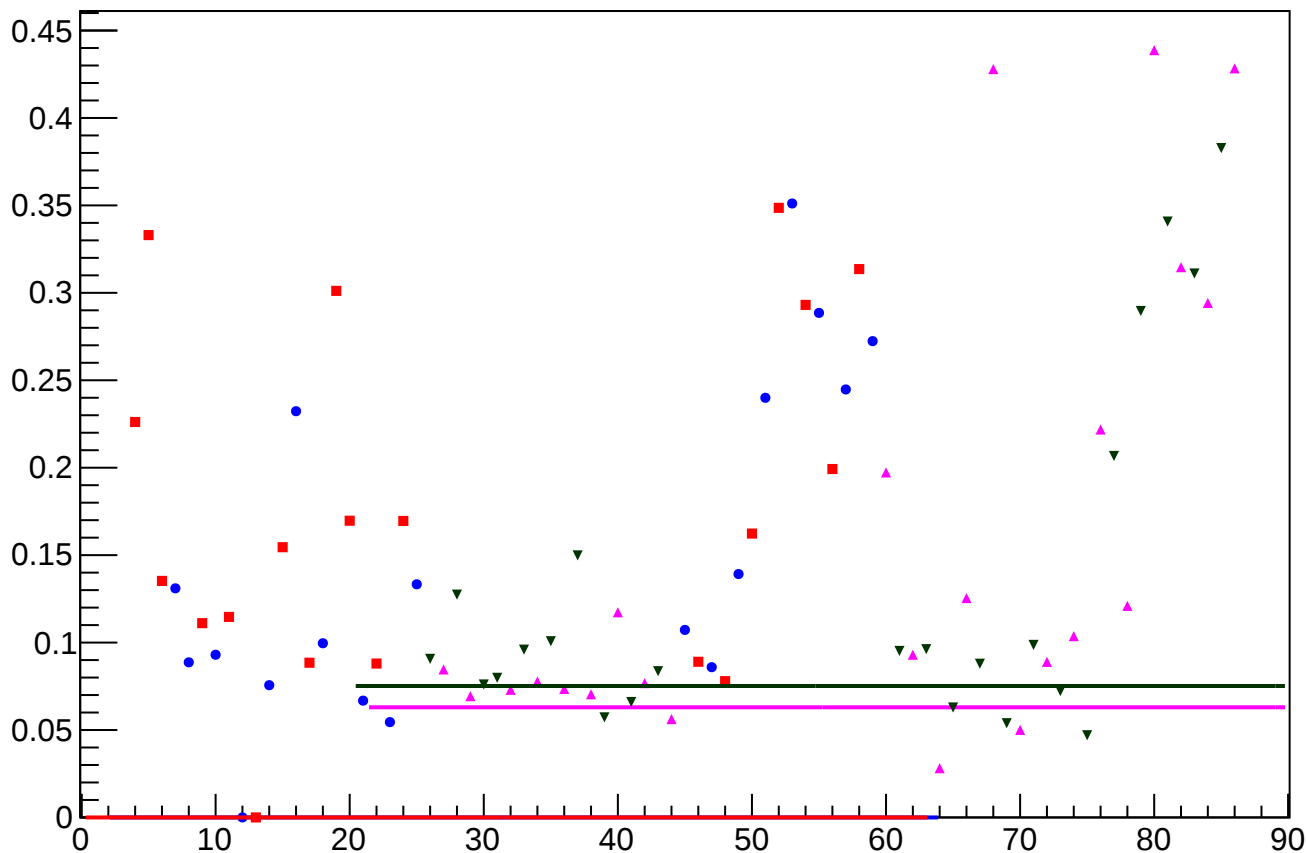
-0.676+/-0.000 χ^2/NDF : 690180276.8/40

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 : 3593431.2/22

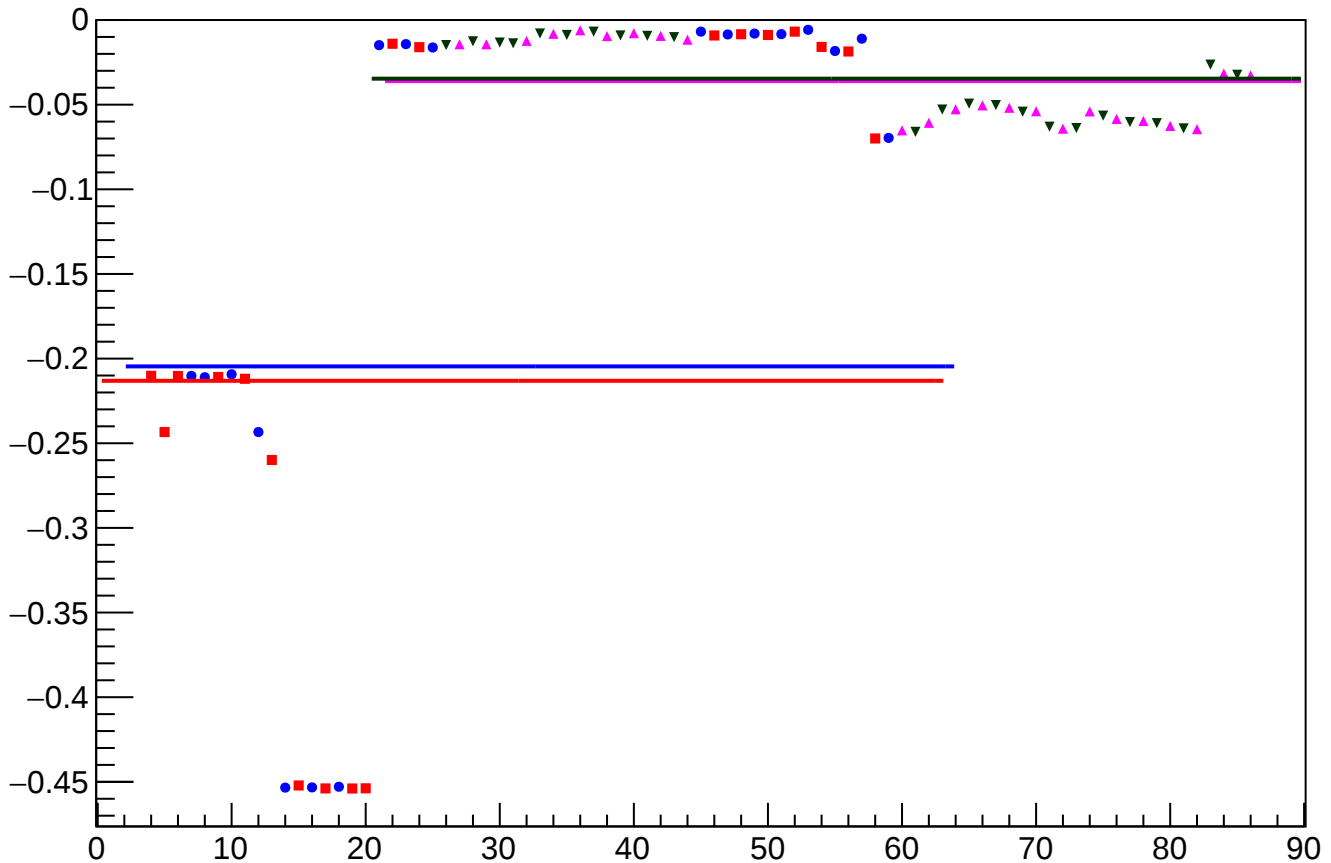
Right Out: 0.000+/-0.000 χ^2/NDF : 13760955.7/18

Left In: 0.063+/-0.000 χ^2/NDF : 6392307.4/22

0.000+/-0.000 χ^2/NDF : 32415687.5/40

0.000+/-0.000 χ^2/NDF : 32583765.9/41

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 : 68838376.4/22

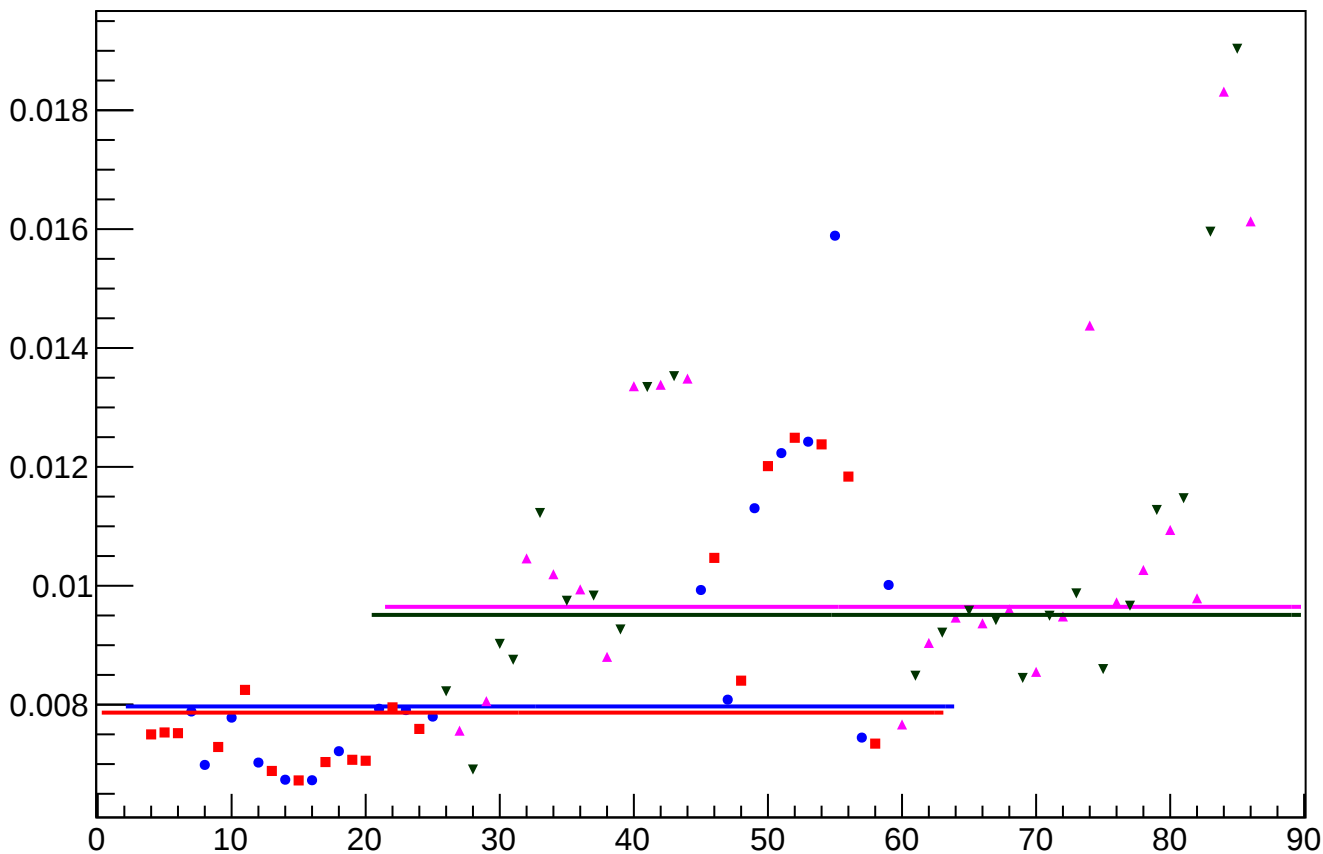
Right Out: -0.213+/-0.000 χ^2/NDF : 4142455601.5/18

Left In: -0.036+/-0.000 χ^2/NDF : 70953983.1/22

-0.132+/-0.000 χ^2/NDF : 7670182470.6/40

-0.132+/-0.000 χ^2/NDF : 6416460059.6/41

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 :936093.3/22

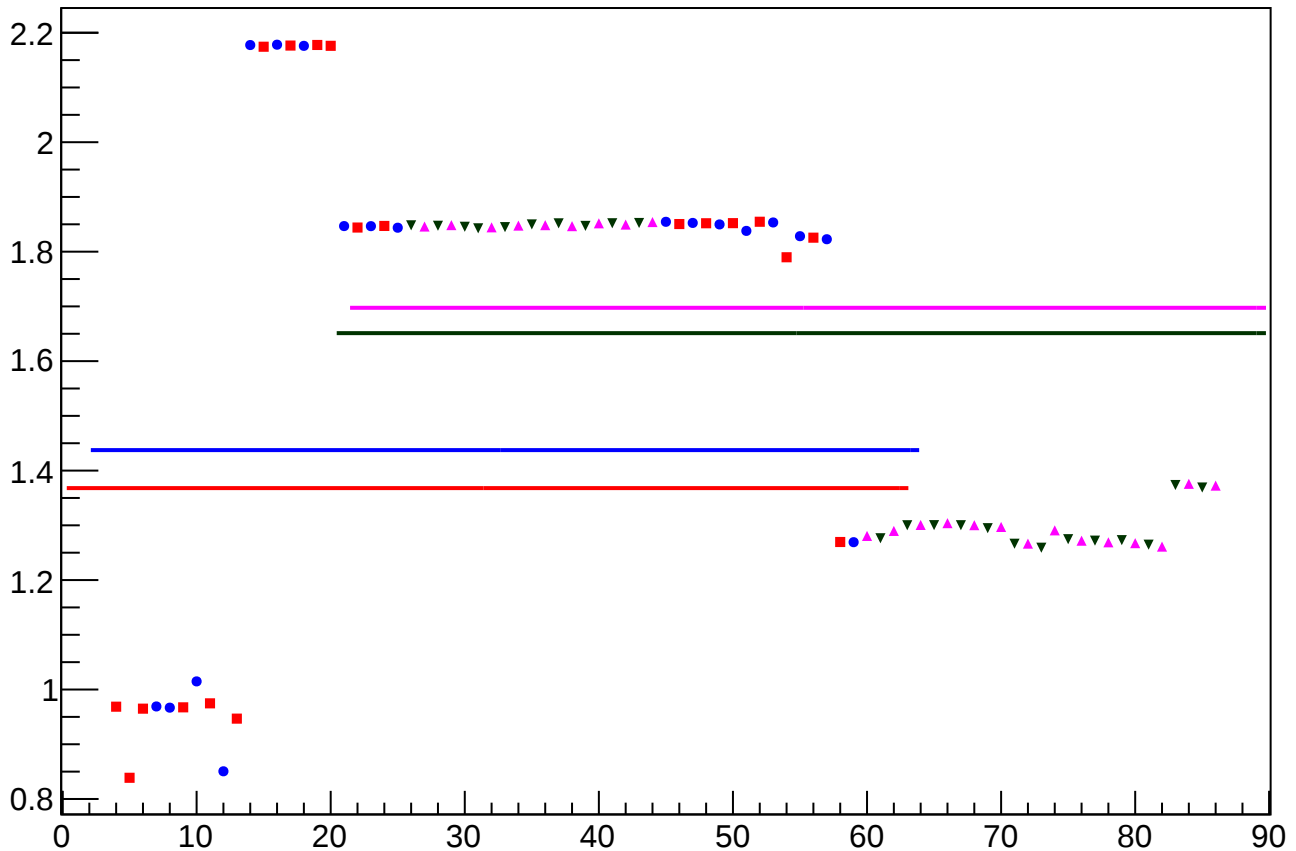
Right Out: 0.008+/-0.000 χ^2/NDF : 696189.4/18

Left In: 0.010+/-0.000 χ^2/NDF :1070111.5/22

0.009+/-0.000 χ^2/NDF : 2218338.6/40

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: 1.651+/-0.000 χ^2/NDF : 3126350441.4/22

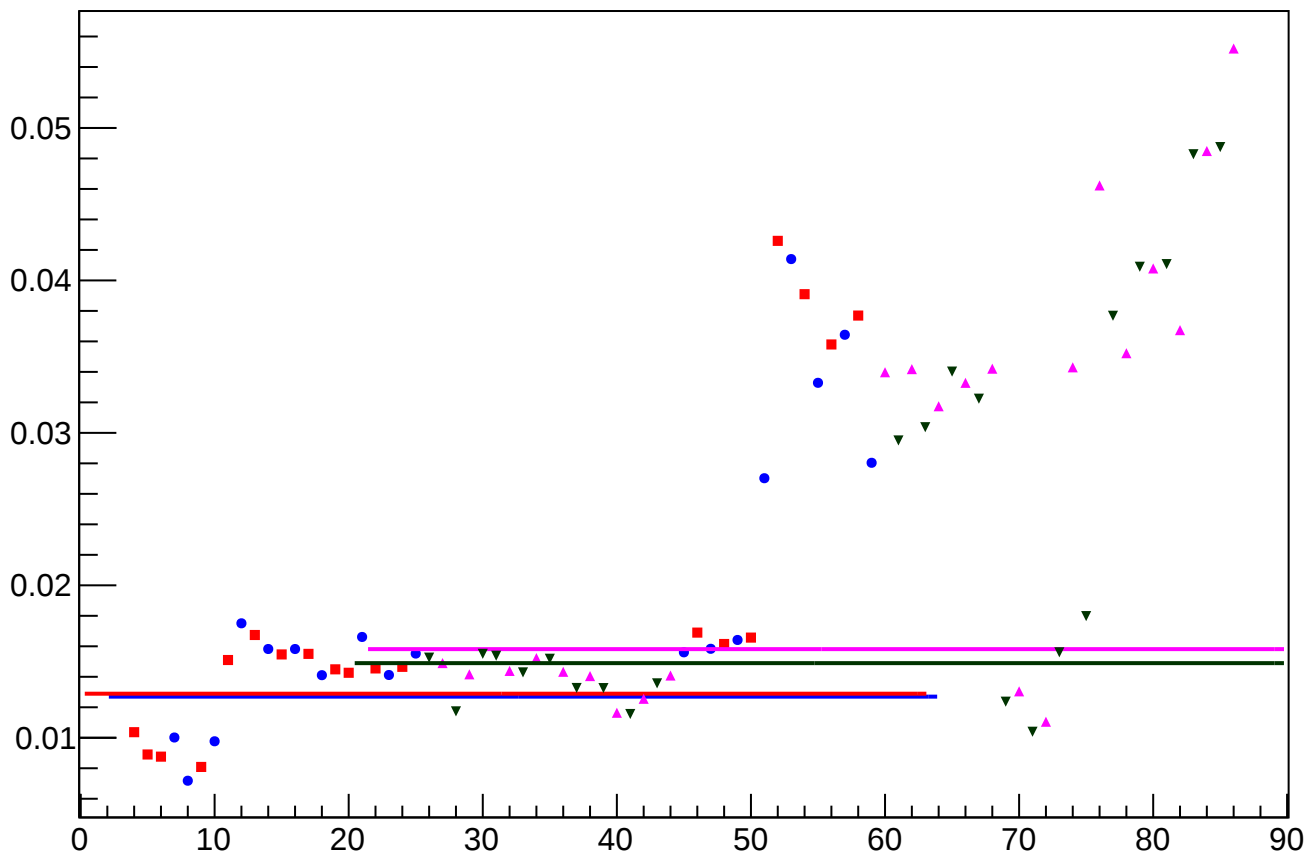
1.531+/-0.000 χ^2/NDF : 18453241358.4/40

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 :3459965.5/22

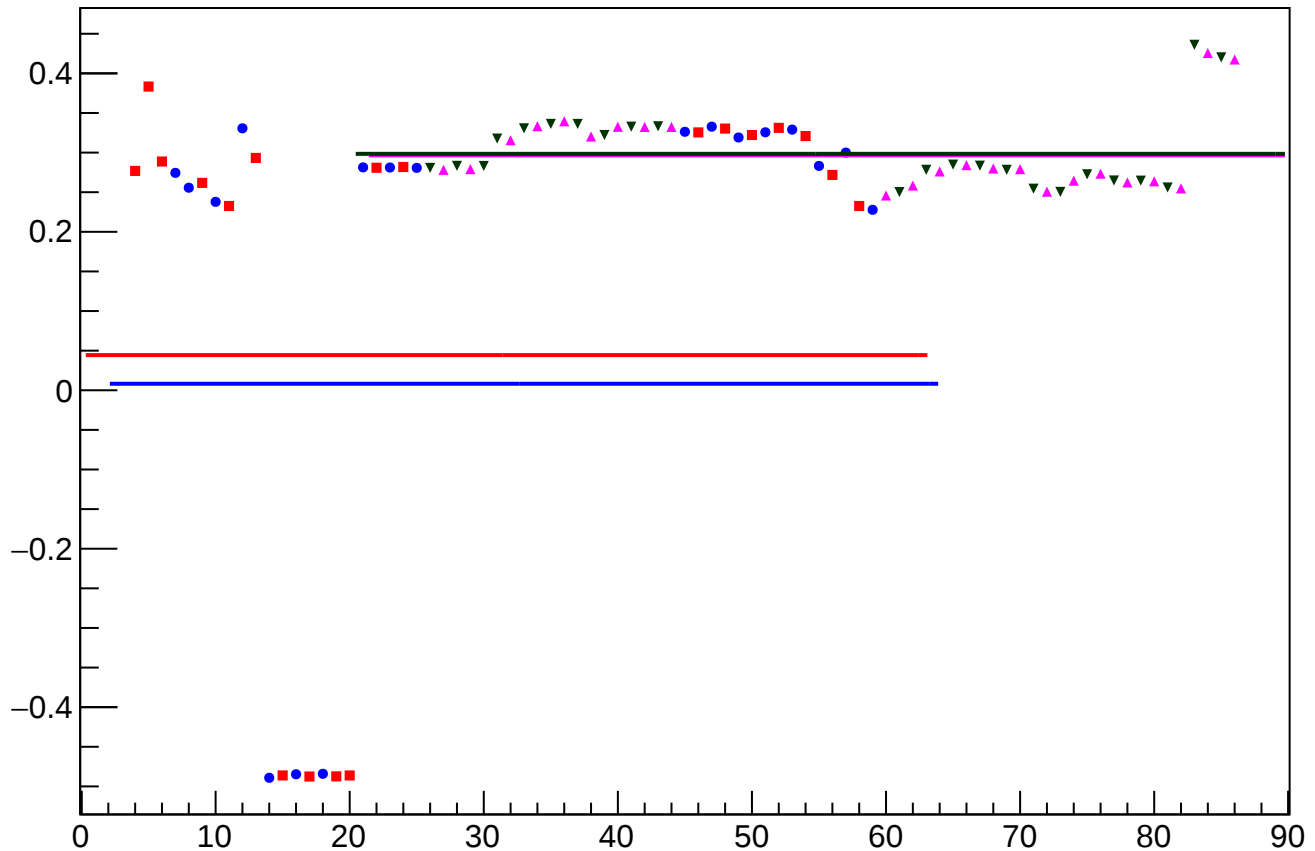
Right Out: 0.013+/-0.000 χ^2/NDF : 2814614.5/18

Left In: 0.016+/-0.000 χ^2/NDF :4156140.4/22

0.014+/-0.000 χ^2/NDF : 7225358.3/40

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: 0.298+/-0.000 χ^2/NDF : 16276674.7/22

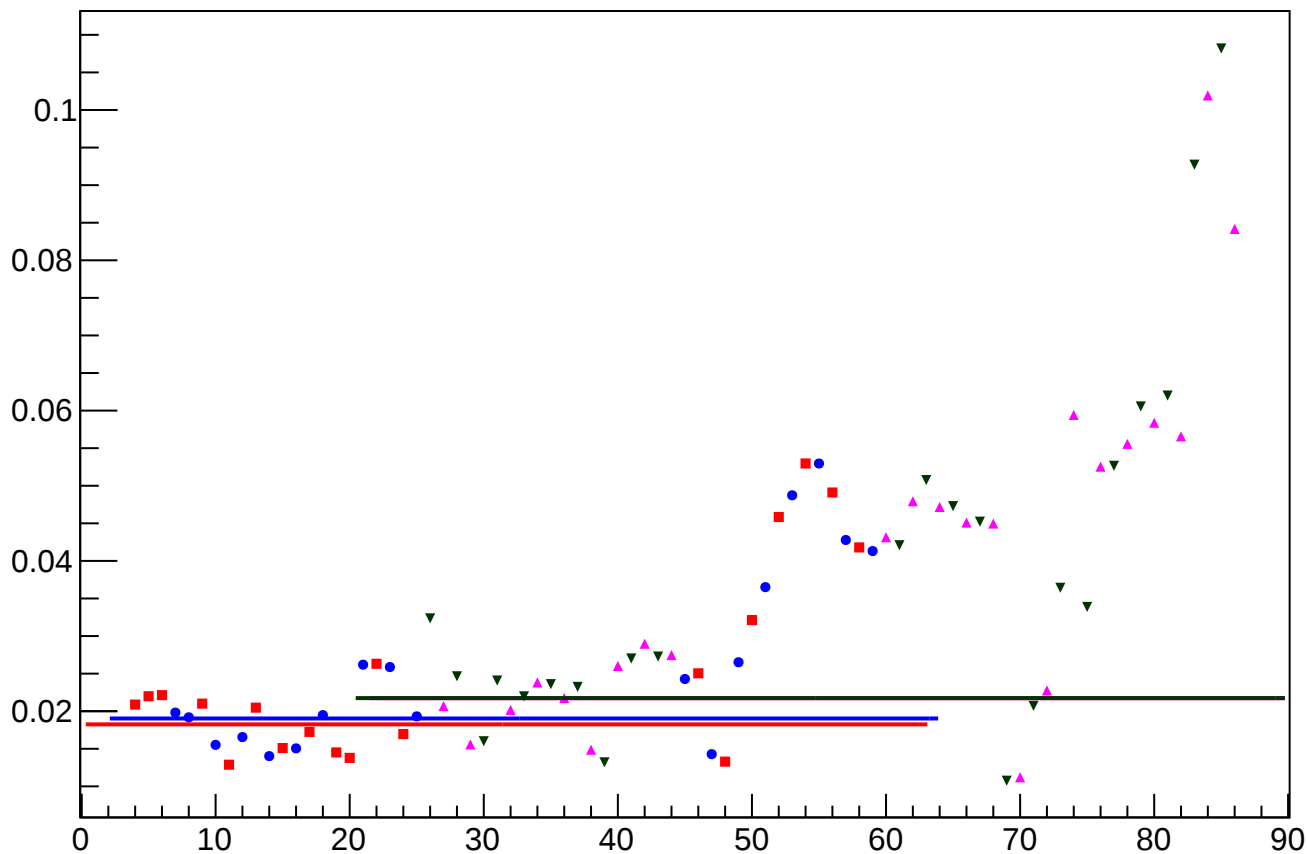
0.129+/-0.000 χ^2/NDF : 4509441682.9/40

Right Out: 0.044+/-0.000 χ^2/NDF : 3156873410.8/18

0.155+/-0.000 χ^2/NDF : 3866131942.7/41

Left In: 0.297+/-0.000 χ^2/NDF : 15718798.1/22

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 :5401820.2/22

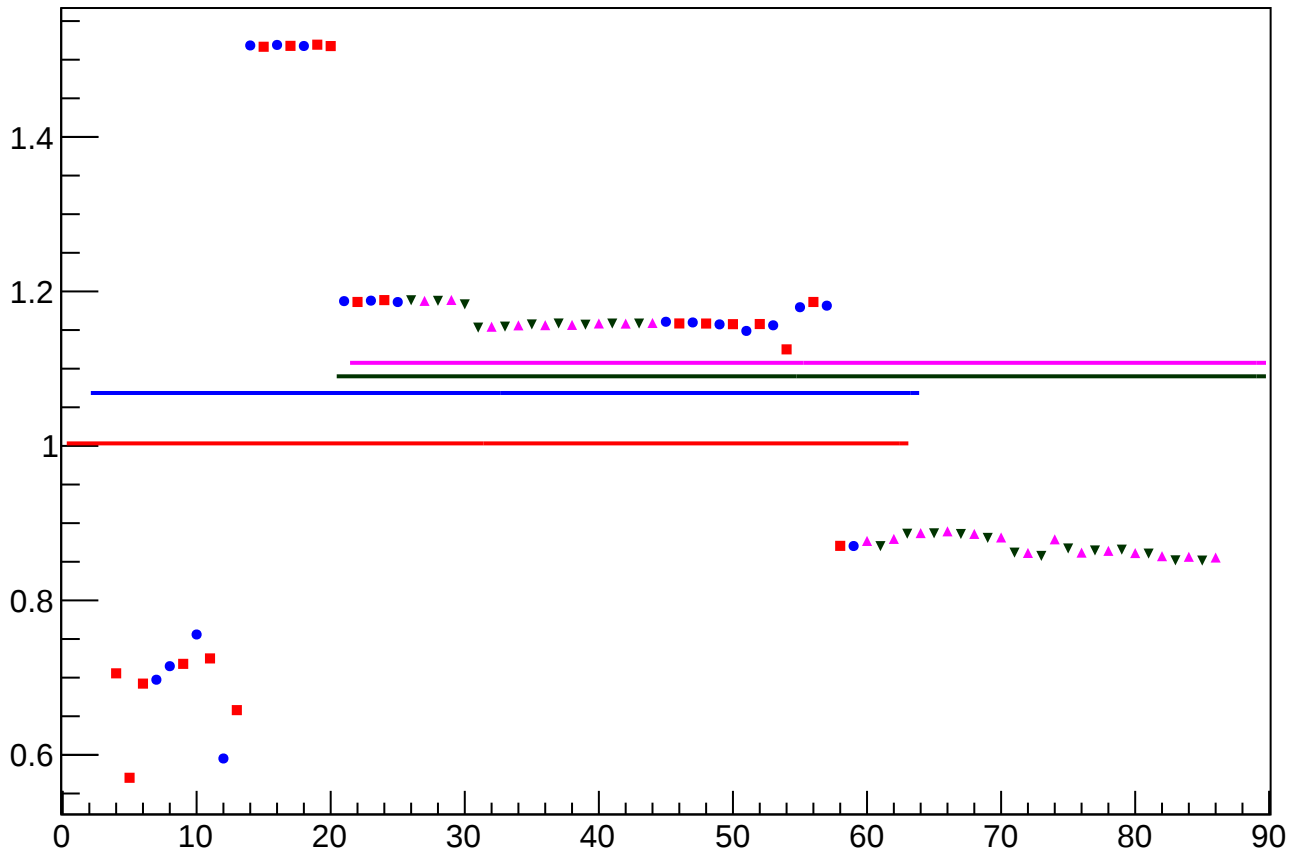
Right Out: 0.018+/-0.000 χ^2/NDF : 2485378.5/18

Left In: 0.022+/-0.000 χ^2/NDF :5821559.2/22

0.020+/-0.000 χ^2/NDF : 8154570.0/40

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: 1.090+/-0.000 χ^2/NDF :1525742144.3/22

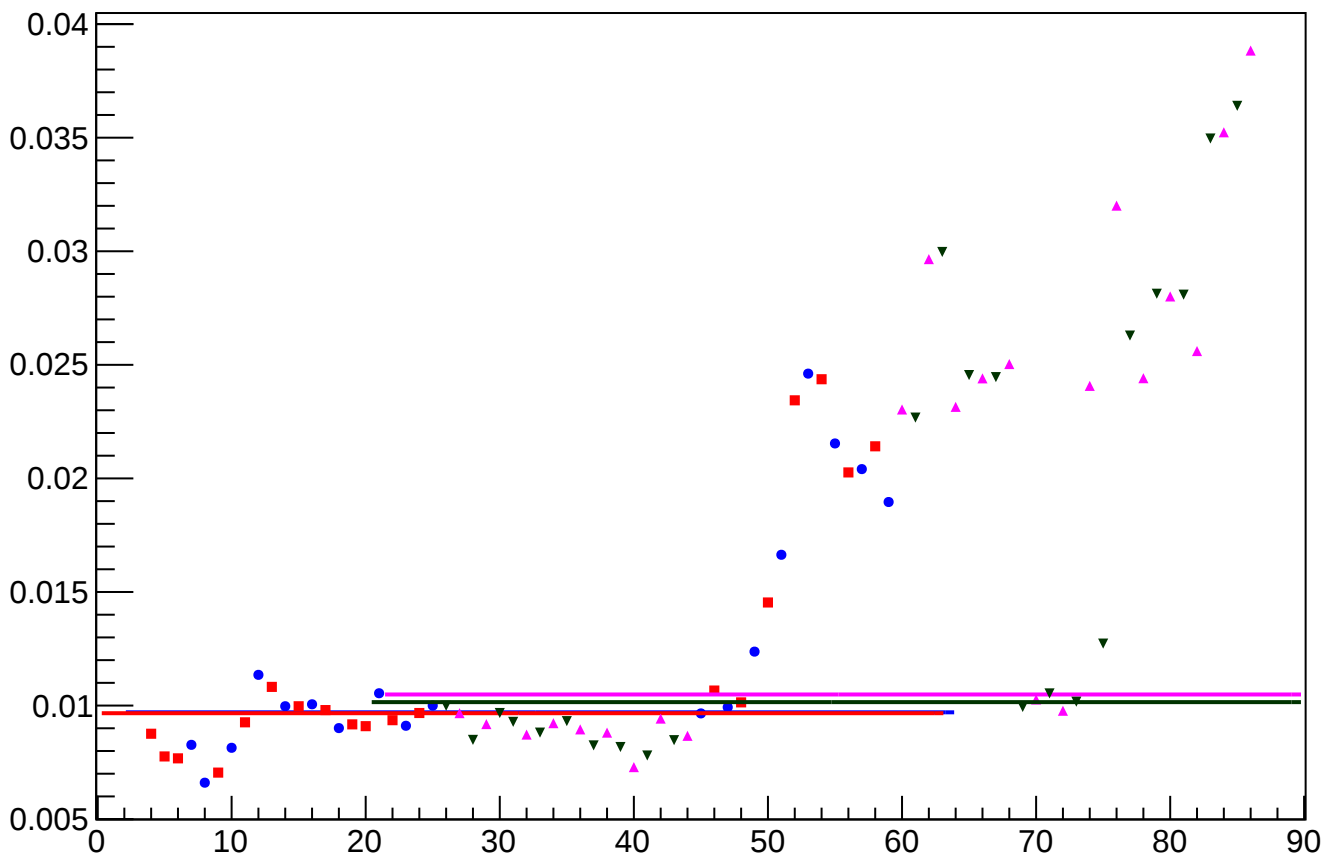
1.079+/-0.000 χ^2/NDF : 12096268871.3/40

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 : 3699784.9/22

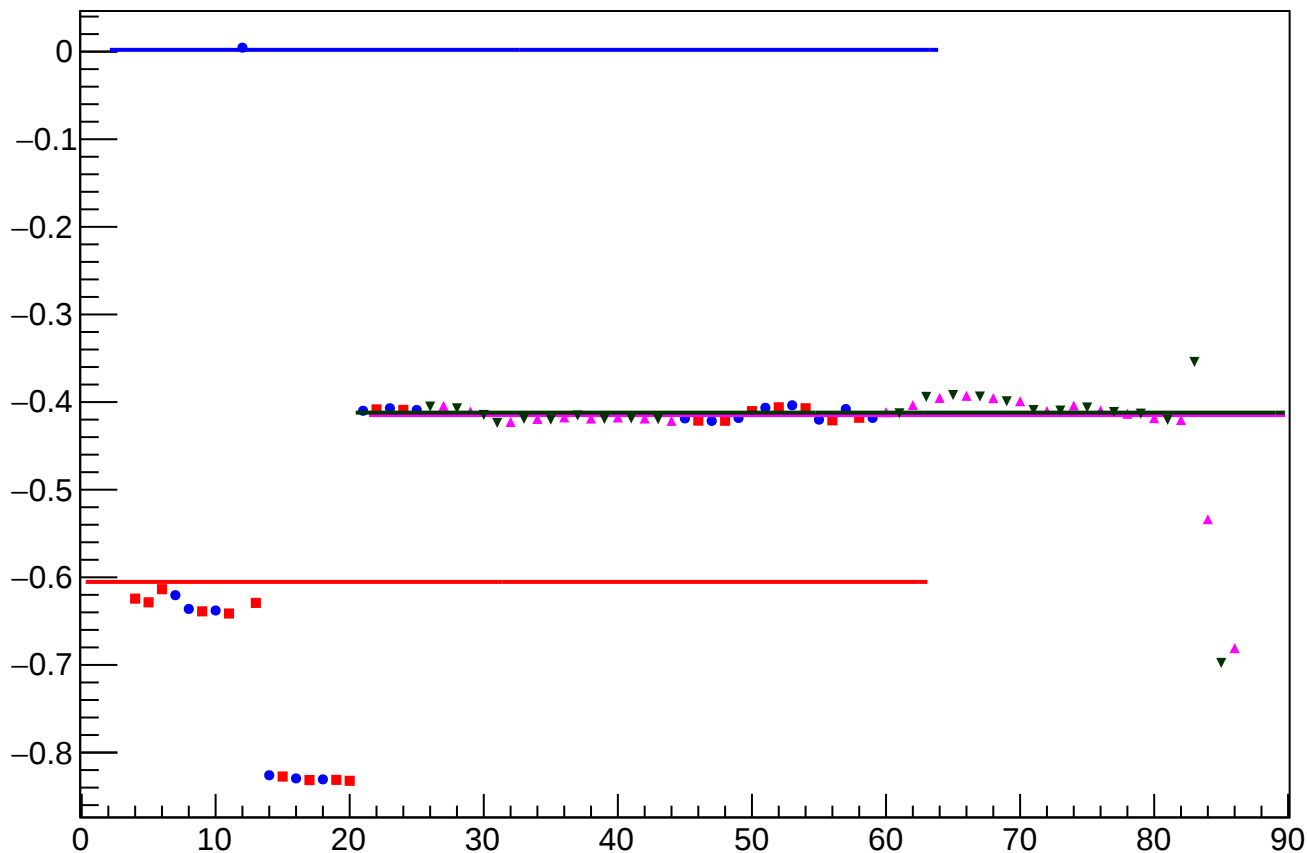
Right Out: 0.010+/-0.000 χ^2/NDF : 1597012.3/18

Left In: 0.010+/-0.000 χ^2/NDF : 4513867.9/22

0.010+/-0.000 χ^2/NDF : 5624684.4/40

0.010+/-0.000 χ^2/NDF : 6171228.7/41

yield_bpm4acX_mean vs slug



Right In: 0.002 ± 0.000 χ^2/NDF : 59749781854.5/17

Left Out: -0.412 ± 0.000 χ^2/NDF : 138889625.3/22

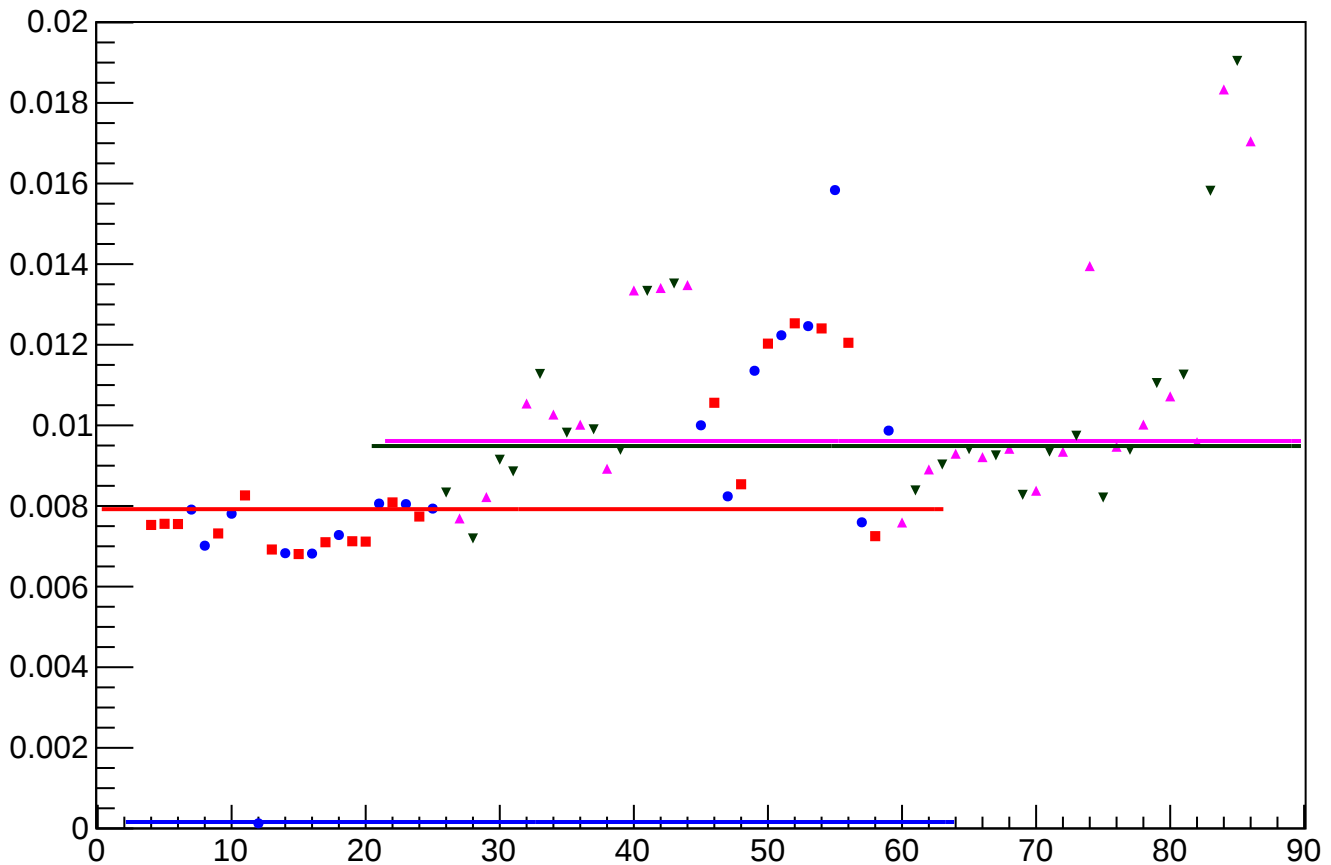
Right Out: -0.605 ± 0.000 χ^2/NDF : 3819629229.5/18

Left In: -0.415 ± 0.000 χ^2/NDF : 163485196.9/22

0.001 ± 0.000 χ^2/NDF : 81331317019.6/40

-0.517 ± 0.000 χ^2/NDF : 6525514358.4/41

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:890101.3/22

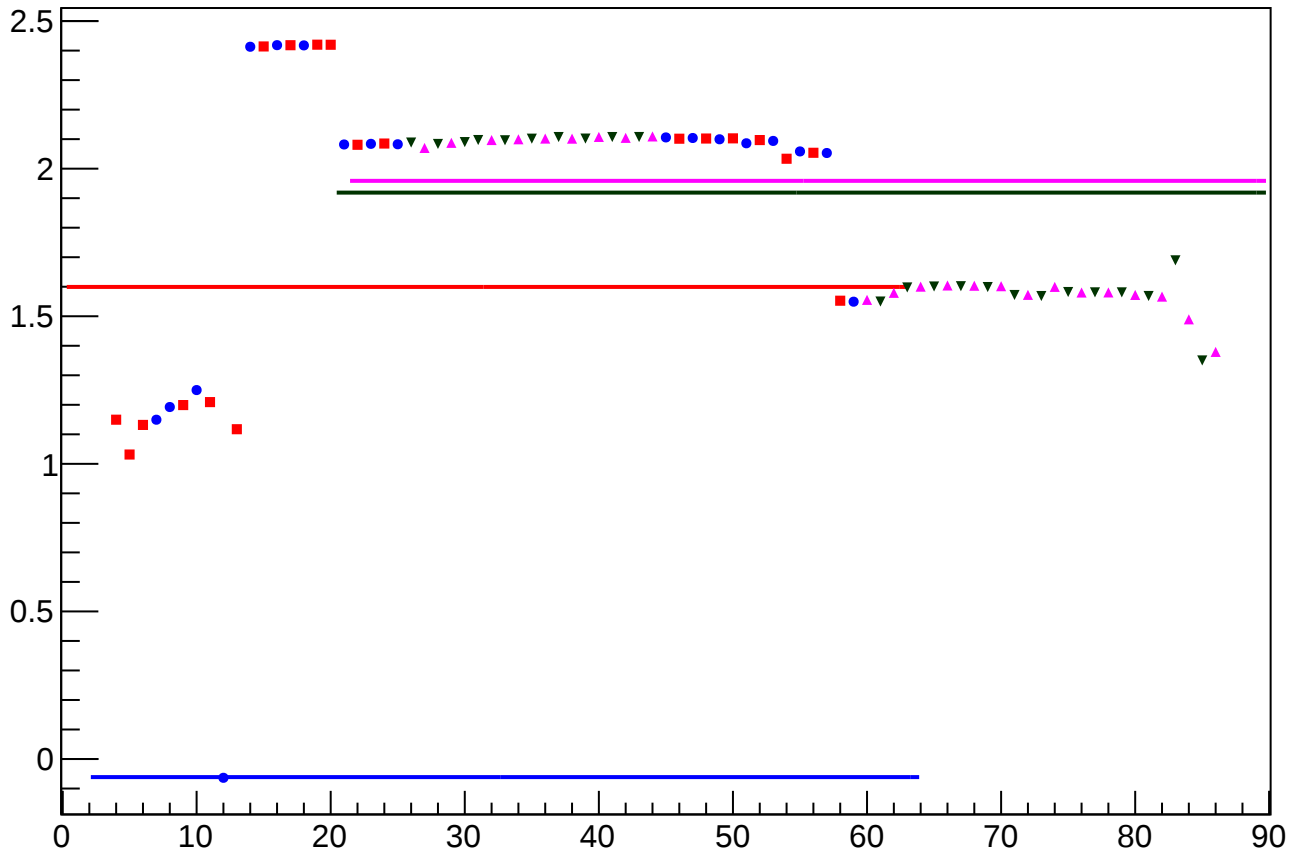
Right Out: 0.008+/-0.000 χ^2 /NDF: 697414.3/18

Left In: 0.010+/-0.000 χ^2 /NDF:1067720.7/22

0.000+/-0.000 χ^2 /NDF: 42914555.7/40

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: 1.919+/-0.000 χ^2/NDF : 2526082997.2/22

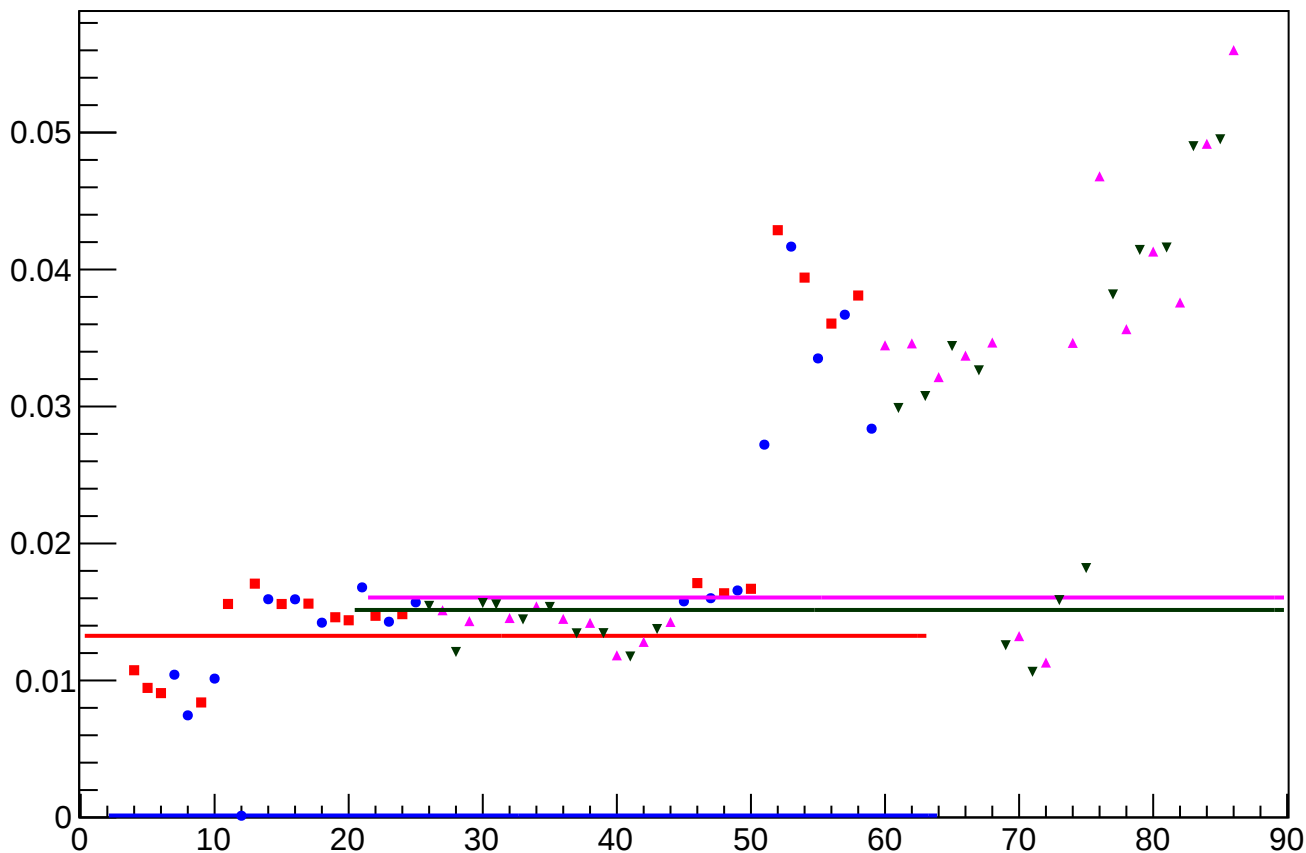
-0.059+/-0.000 χ^2/NDF : 334346441460.7/40

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 : 3431978.8/22

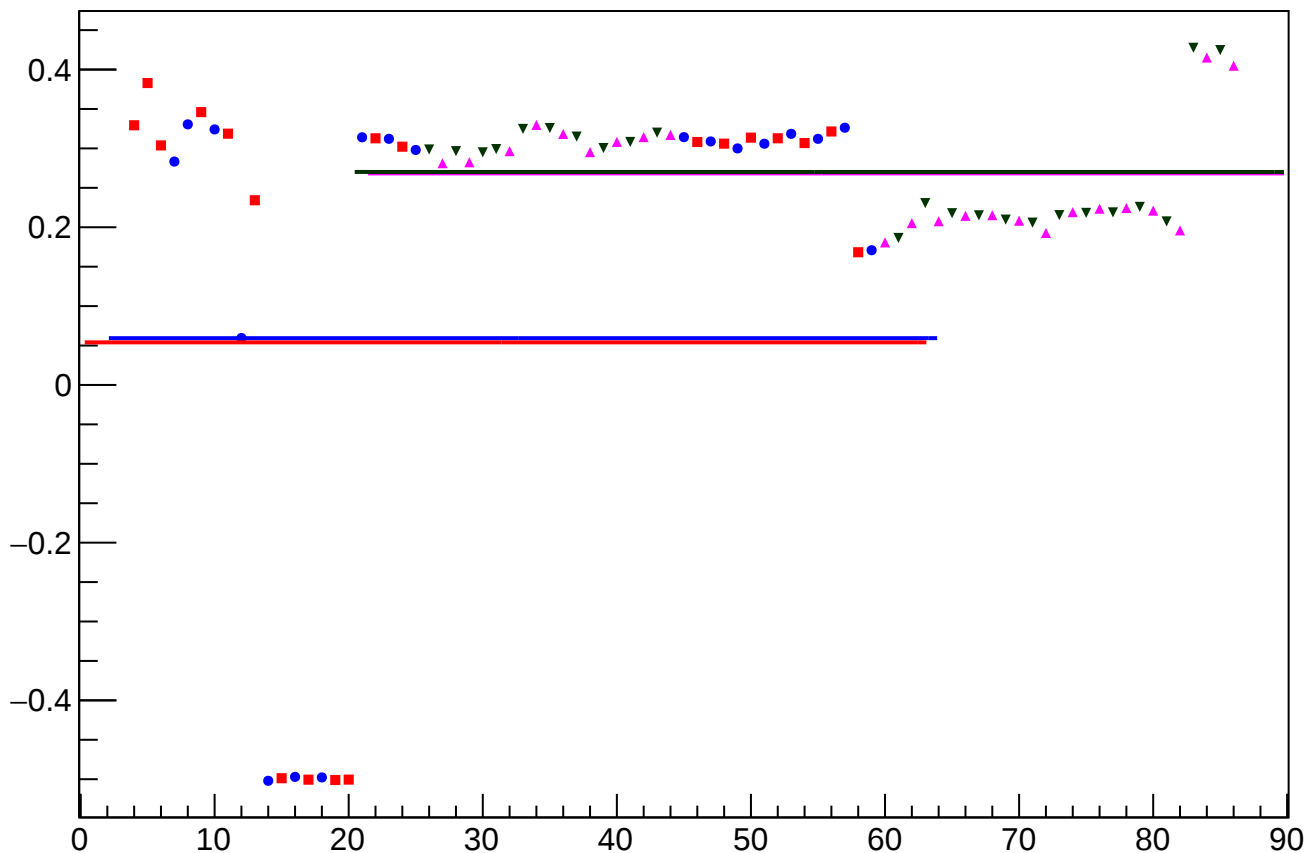
Right Out: 0.013+/-0.000 χ^2/NDF : 2690130.8/18

Left In: 0.016+/-0.000 χ^2/NDF : 4137220.2/22

0.000+/-0.000 χ^2/NDF : 41531922.4/40

0.015+/-0.000 χ^2/NDF : 7150634.6/41

yield_bpm4ecX_mean vs slug



Right In: 0.059+/-0.000 χ^2/NDF : 3888801914.2/17

Left Out: 0.270+/-0.000 χ^2/NDF : 43346585.6/22

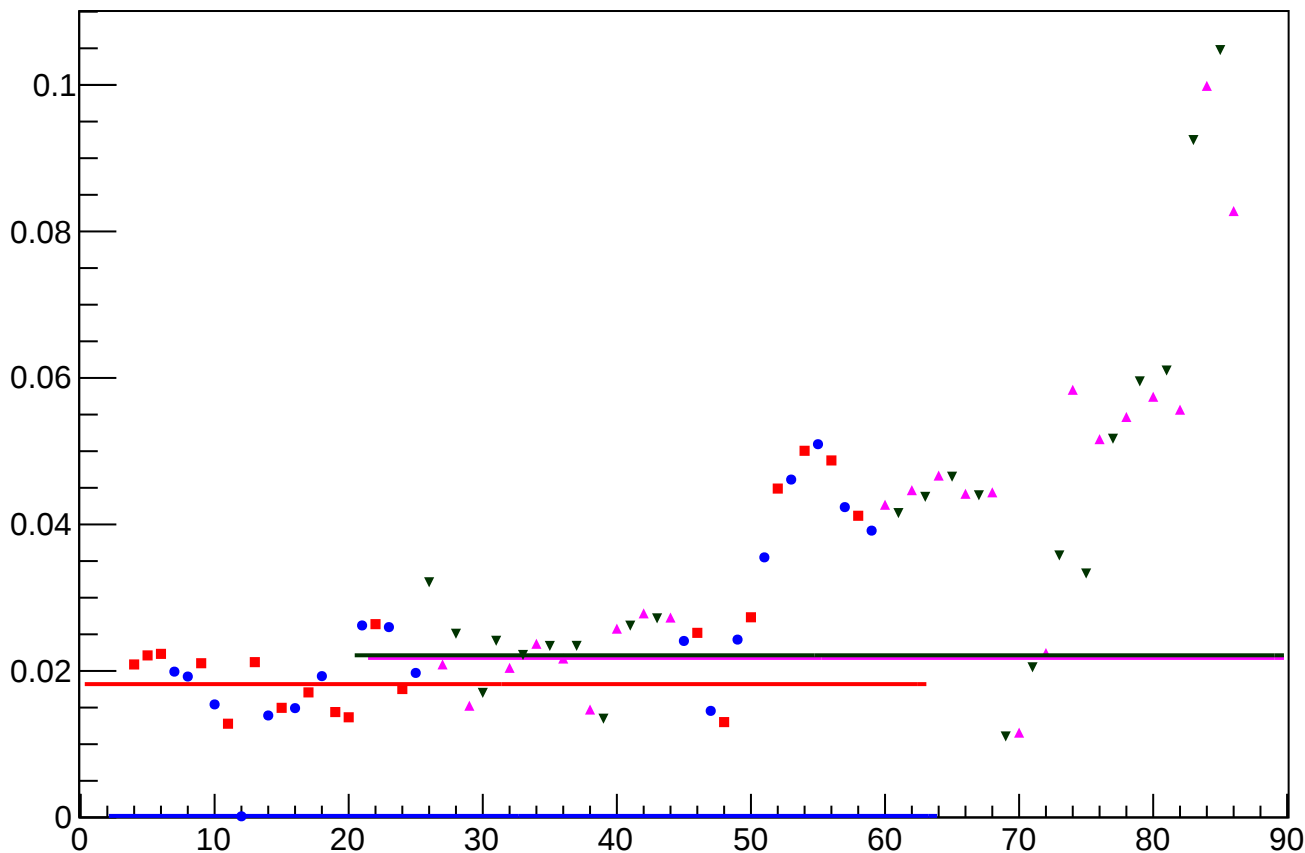
Right Out: 0.054+/-0.000 χ^2/NDF : 3509628523.3/18

Left In: 0.268+/-0.000 χ^2/NDF : 41411039.6/22

0.060+/-0.000 χ^2/NDF : 4735978524.3/40

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 : 5052819.6/22

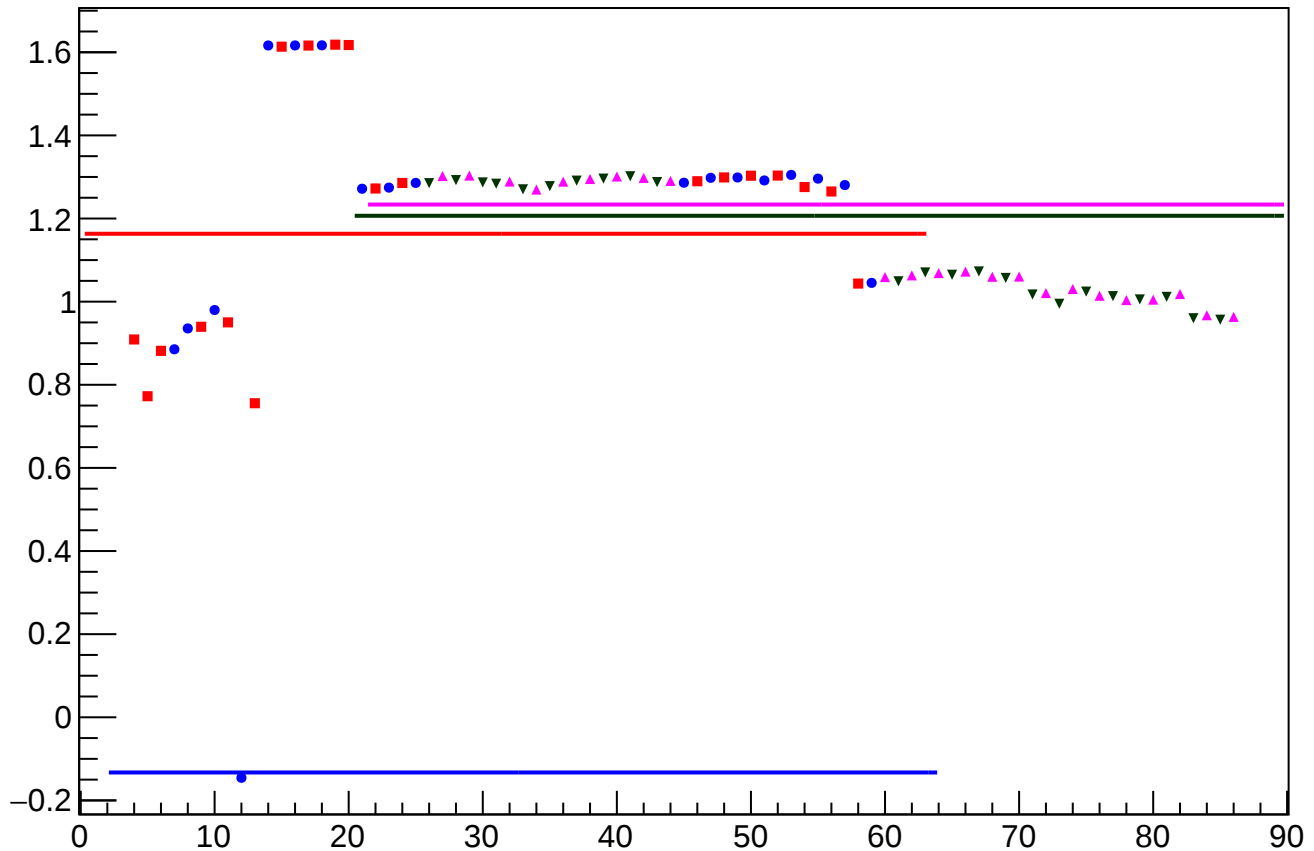
Right Out: 0.018+/-0.000 χ^2/NDF : 2422437.2/18

Left In: 0.022+/-0.000 χ^2/NDF : 5641734.9/22

0.000+/-0.000 χ^2/NDF : 42197151.2/40

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: 1.207+/-0.000 χ^2 /NDF:1107377735.7/22

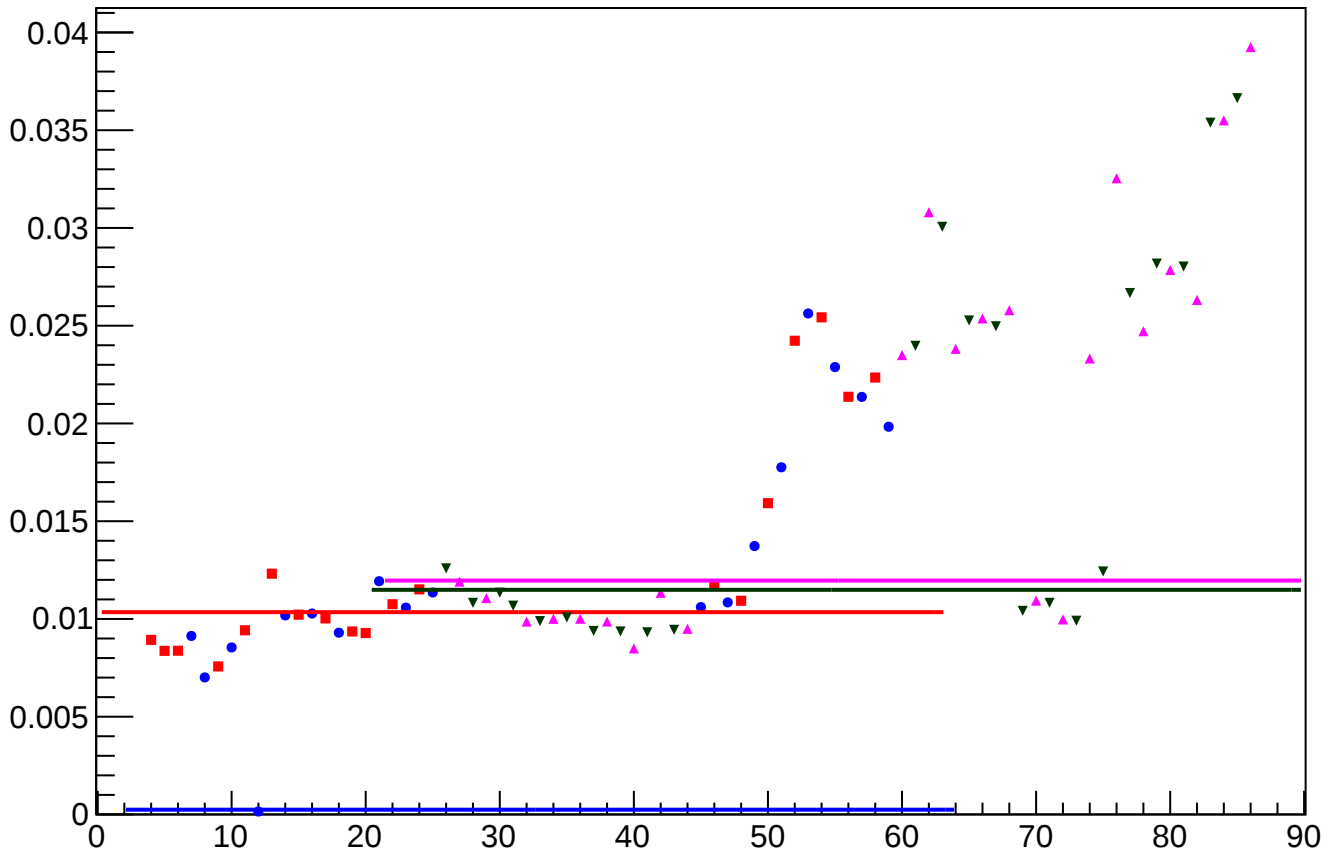
-0.122+/-0.000 χ^2 /NDF: 299541123874.7/40

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: 0.011+/-0.000 χ^2/NDF : 3211405.1/22

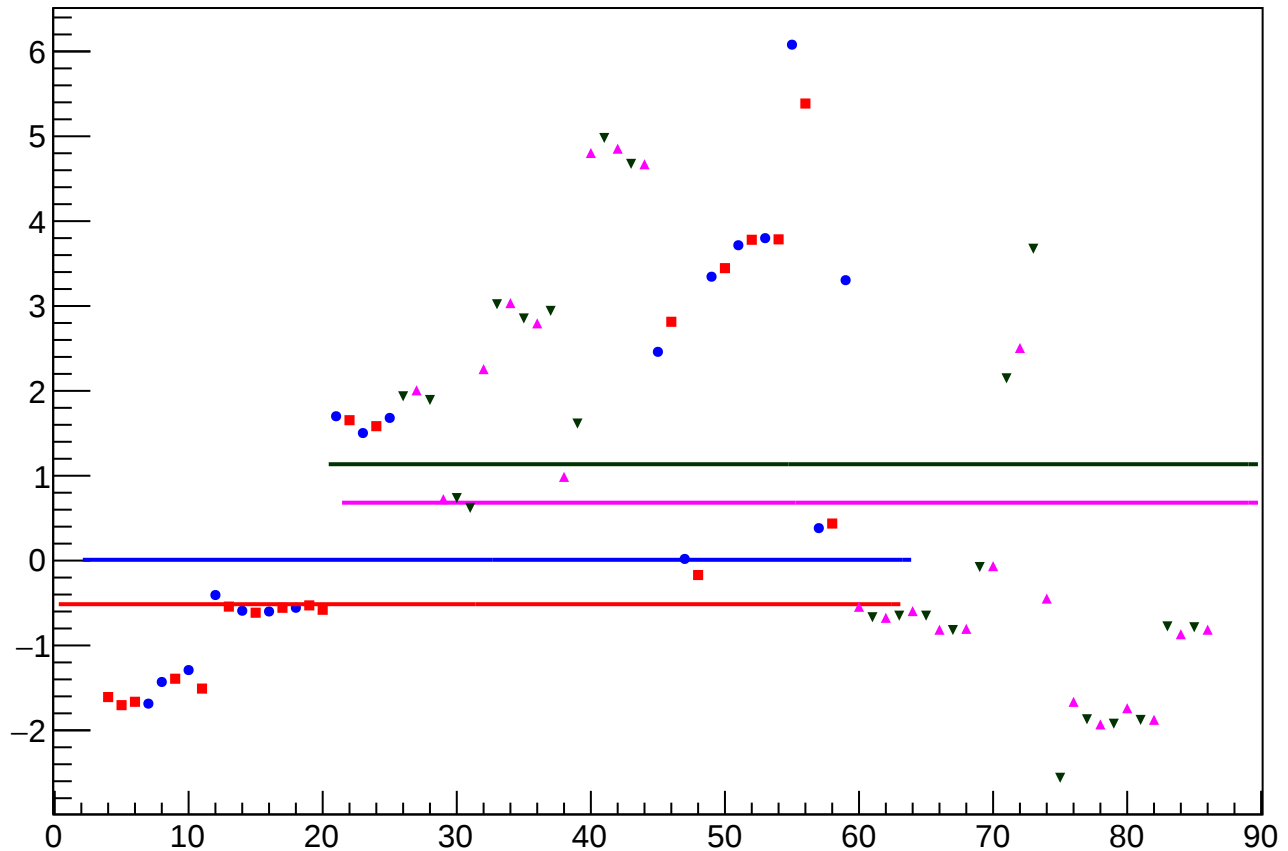
Right Out: 0.010+/-0.000 χ^2/NDF : 1619353.0/18

Left In: 0.012+/-0.000 χ^2/NDF : 3979187.6/22

0.000+/-0.000 χ^2/NDF : 40621314.6/40

0.011+/-0.000 χ^2/NDF : 5790451.7/41

yield_bpm1X_mean vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 18135045883.2/17

Left Out: 1.136+/-0.000 χ^2/NDF : 3654120359.9/22

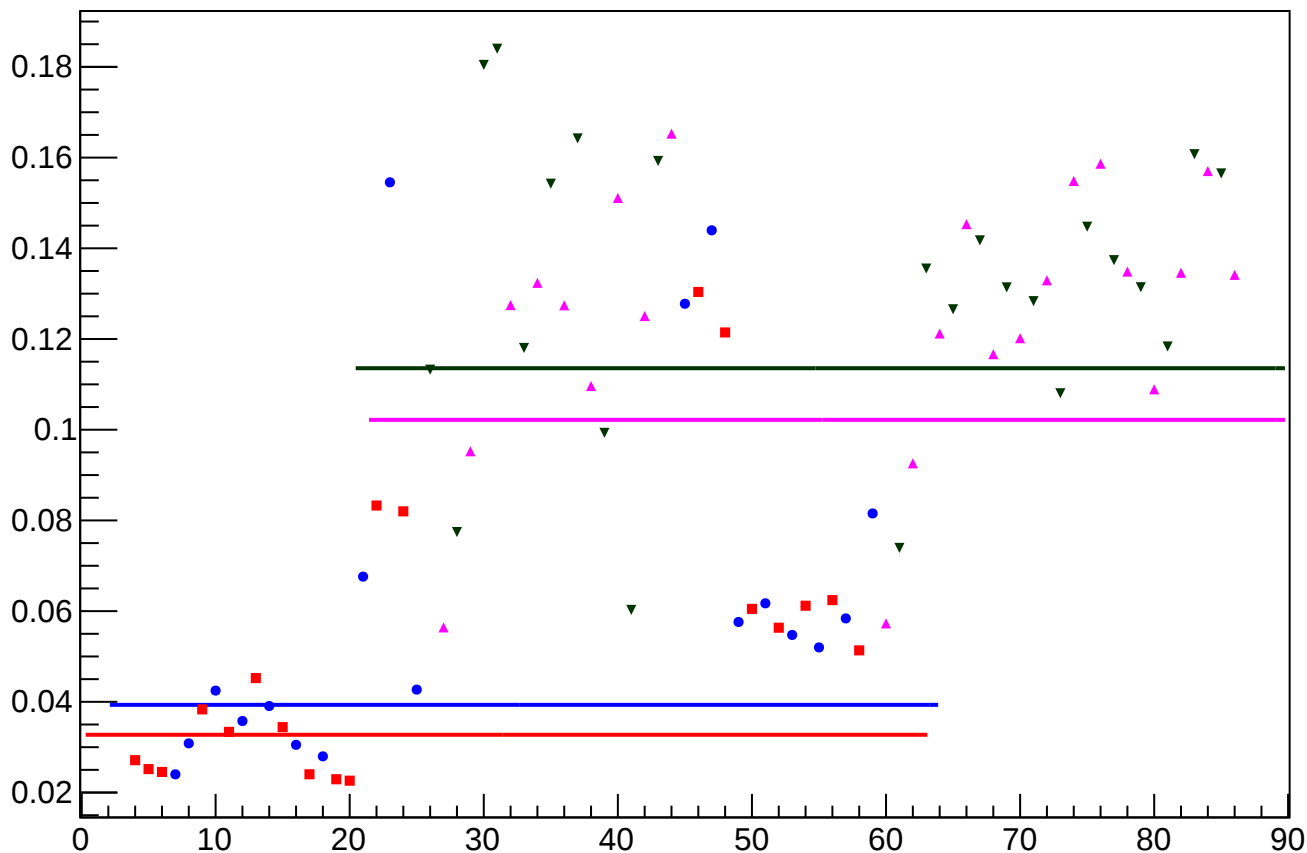
0.153+/-0.000 χ^2/NDF : 22559270684.8/40

Right Out: -0.514+/-0.000 χ^2/NDF : 14474436949.2/18

-0.360+/-0.000 χ^2/NDF : 18648961399.4/41

Left In: 0.682+/-0.000 χ^2/NDF : 3047642290.7/22

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 :1690916.7/22

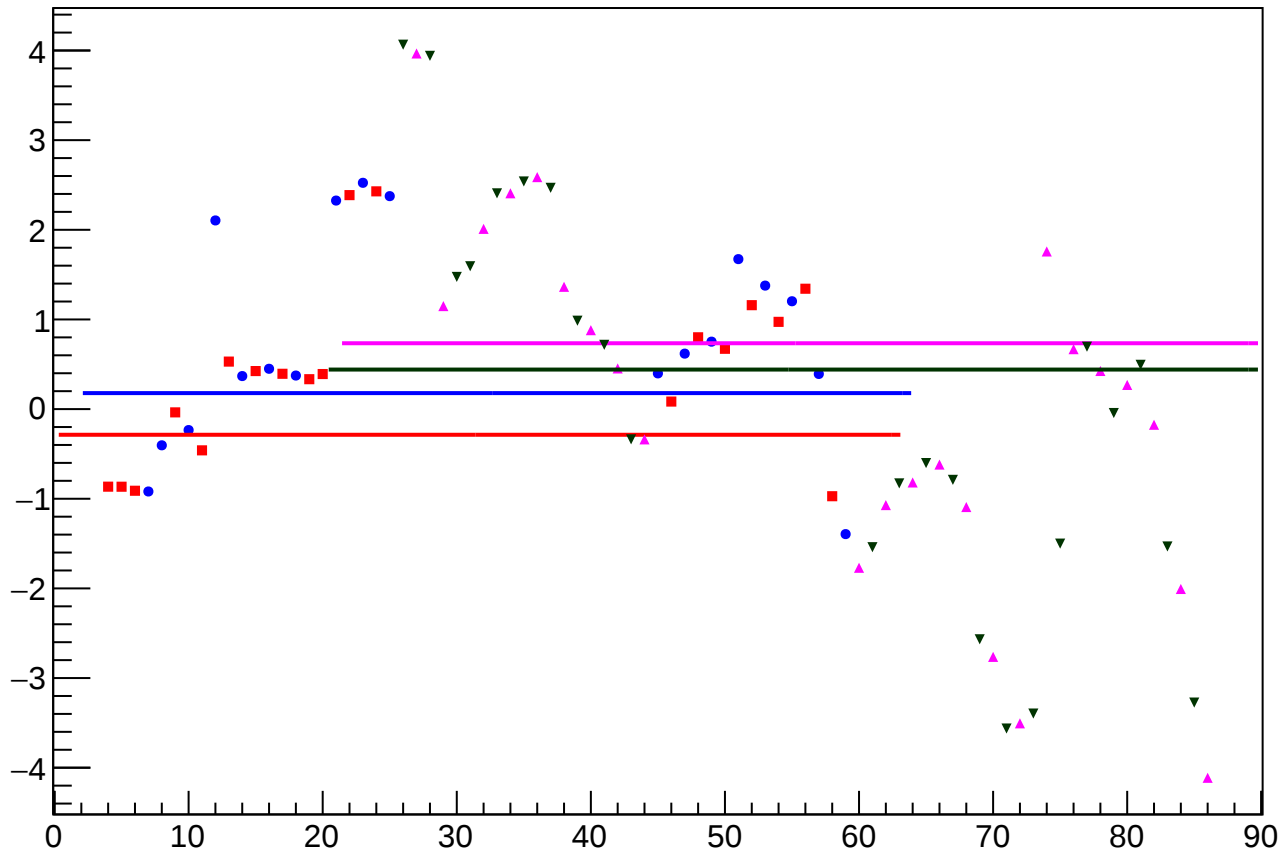
Right Out: 0.033+/-0.000 χ^2/NDF : 2838022.5/18

Left In: 0.102+/-0.000 χ^2/NDF :2371988.0/22

0.049+/-0.000 χ^2/NDF : 11458606.3/40

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: 0.441+/-0.000 χ^2/NDF : 7160922610.1/22

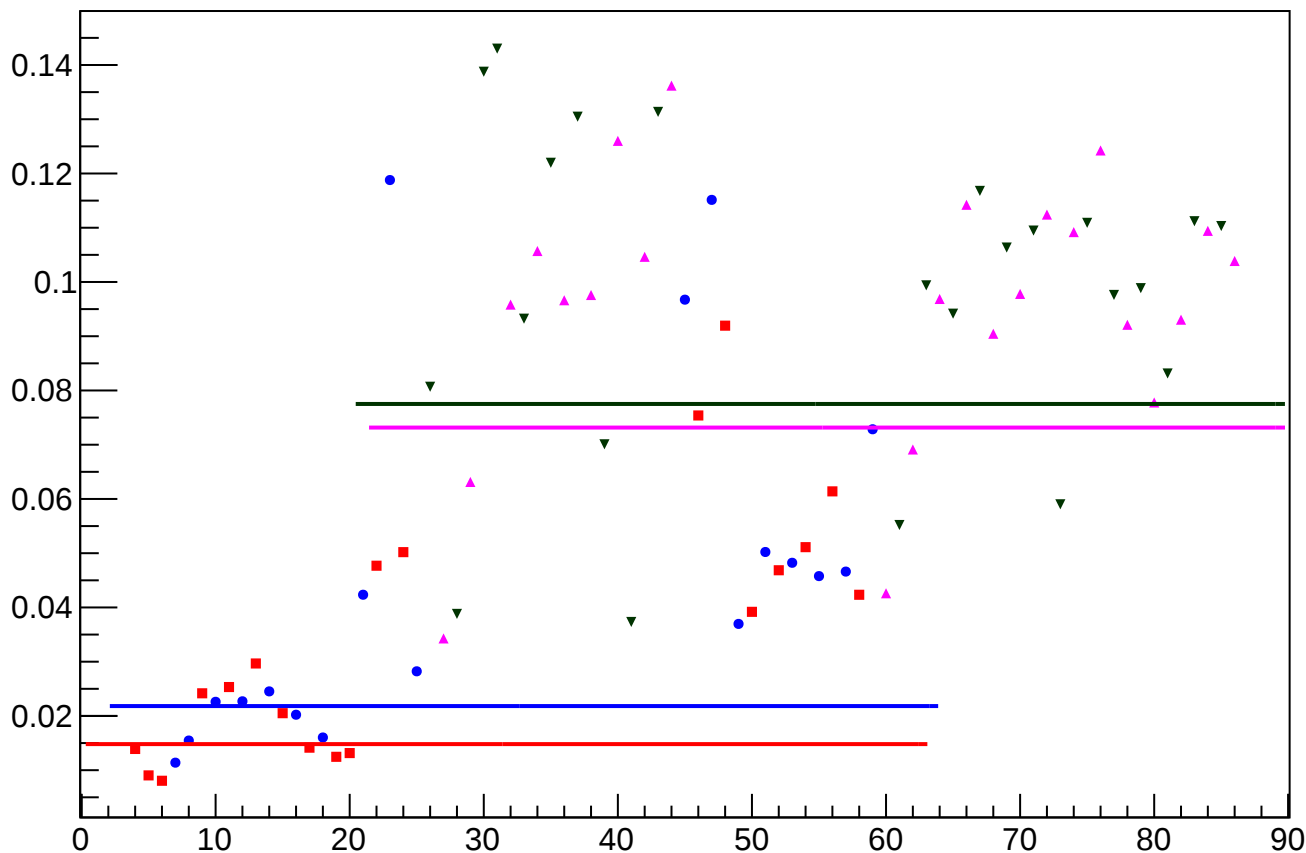
0.204+/-0.000 χ^2/NDF : 16725941484.7/40

Right Out: -0.286+/-0.000 χ^2/NDF : 10734675455.5/18

-0.216+/-0.000 χ^2/NDF : 21448024549.8/41

Left In: 0.735+/-0.000 χ^2/NDF : 9134578721.3/22

yield_bpm1Y_rms vs slug



Right In: 0.022+/-0.000 χ^2/NDF : 4669284.8/17

Left Out: 0.078+/-0.000 χ^2/NDF : 2770589.6/22

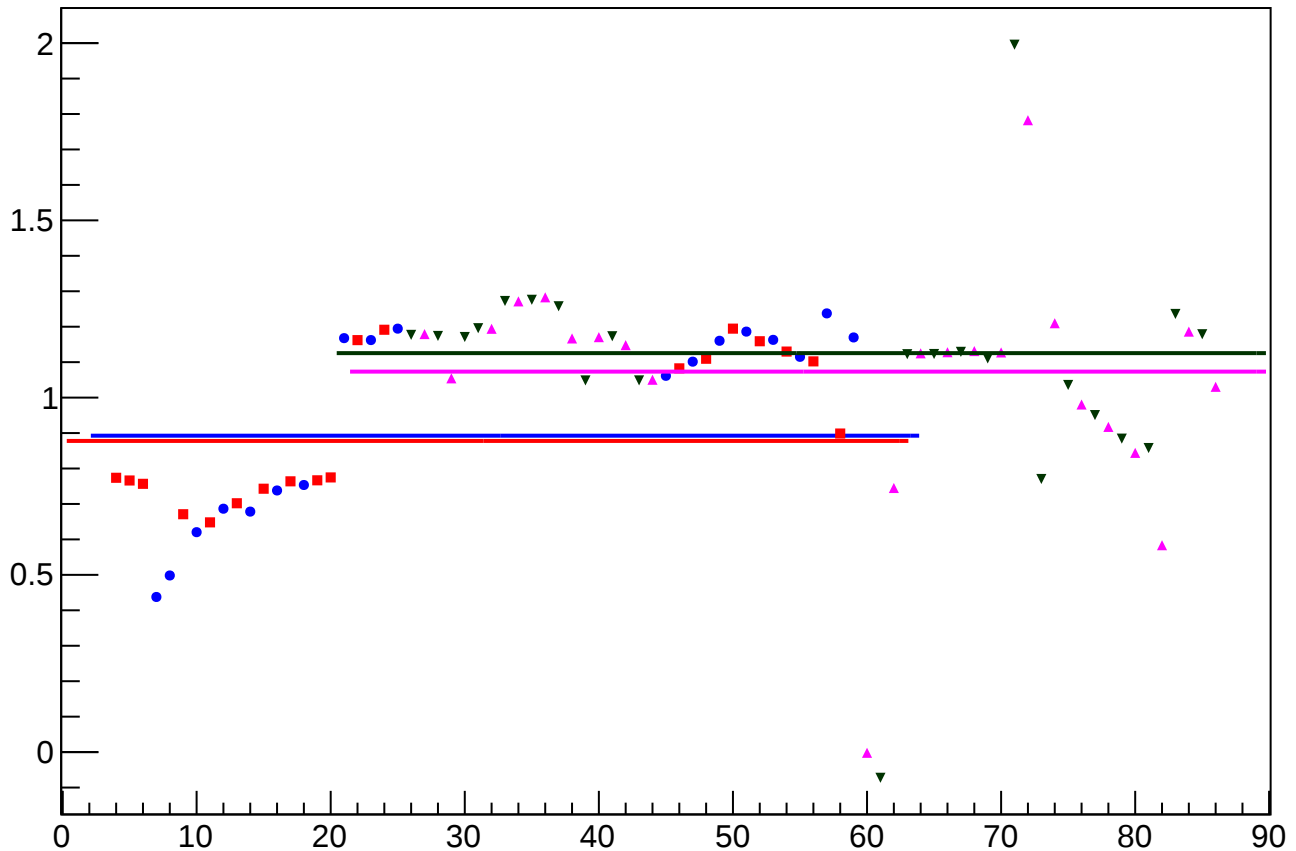
Right Out: 0.015+/-0.000 χ^2/NDF : 4938559.5/18

Left In: 0.073+/-0.000 χ^2/NDF : 3229499.8/22

0.027+/-0.000 χ^2/NDF : 14843709.6/40

0.019+/-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: 1.125 ± 0.000 χ^2/NDF : 2137859100.3/22

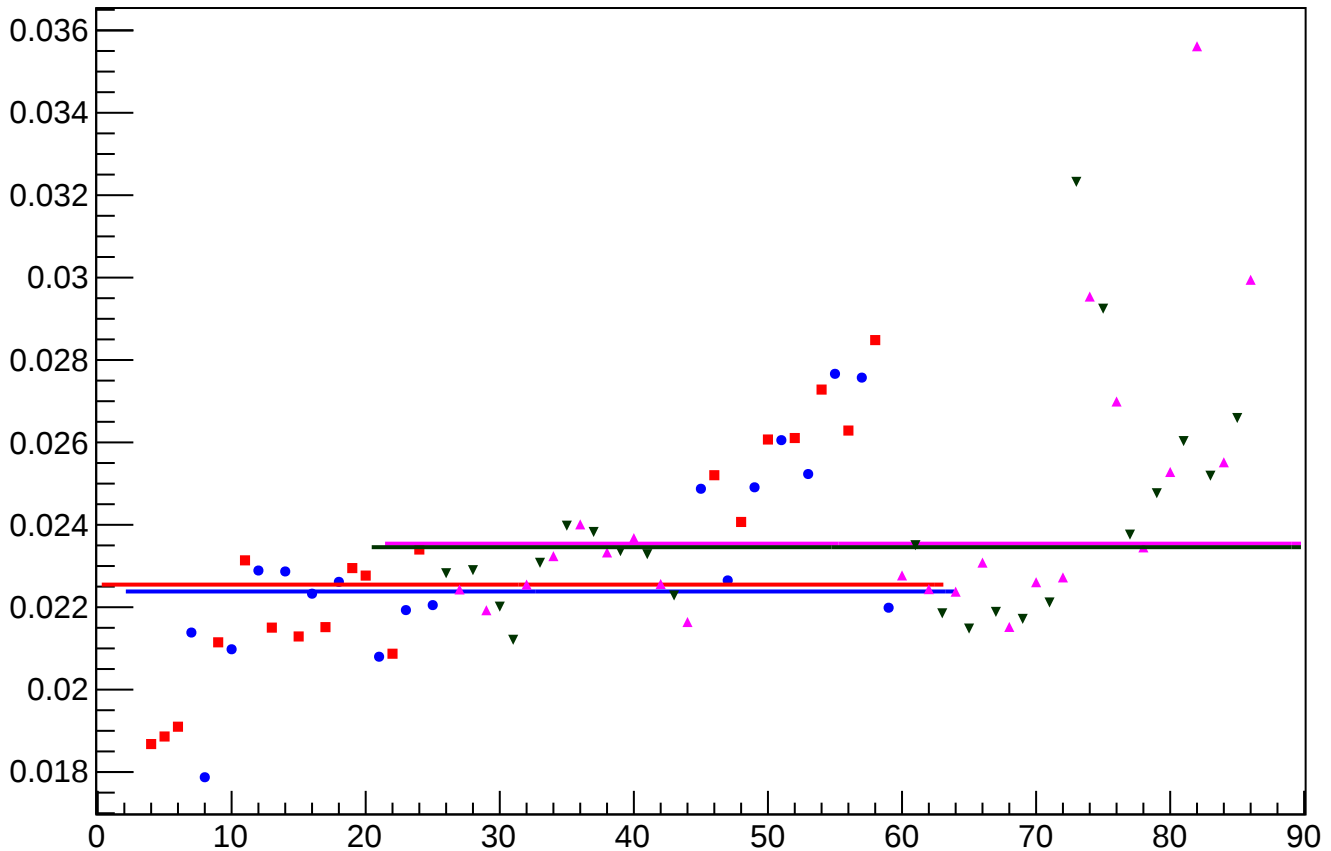
1.007 ± 0.000 χ^2/NDF : 4340672913.3/40

Right Out: 0.878 ± 0.000 χ^2/NDF : 761495098.5/18

0.984 ± 0.000 χ^2/NDF : 3076657895.0/41

Left In: 1.073 ± 0.000 χ^2/NDF : 1929832593.8/22

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 :189710.8/22

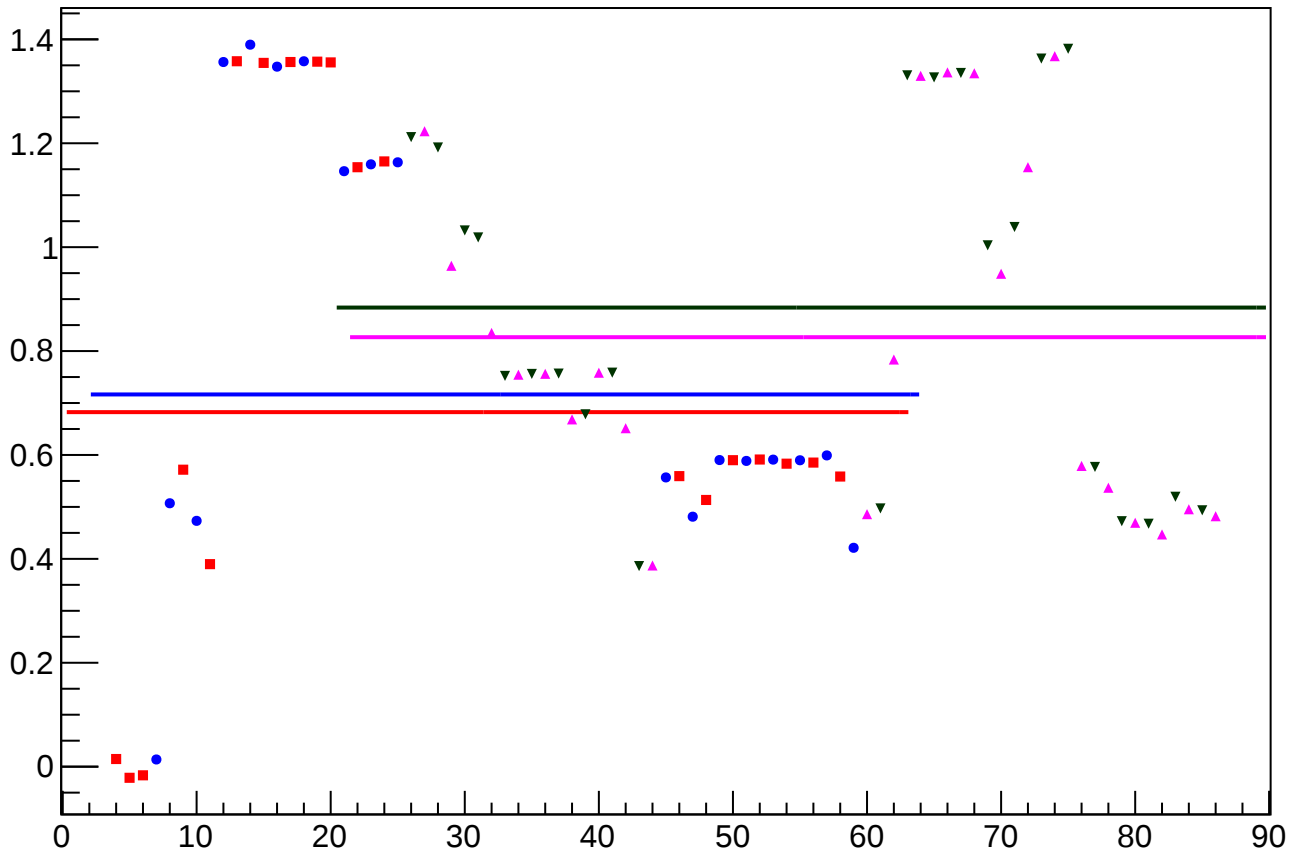
Right Out: 0.023+/-0.000 χ^2/NDF : 246194.4/18

Left In: 0.024+/-0.000 χ^2/NDF :255698.9/22

0.023+/-0.000 χ^2/NDF : 478769.7/40

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: 0.884+/-0.000 χ^2/NDF : 116144198601.1/22

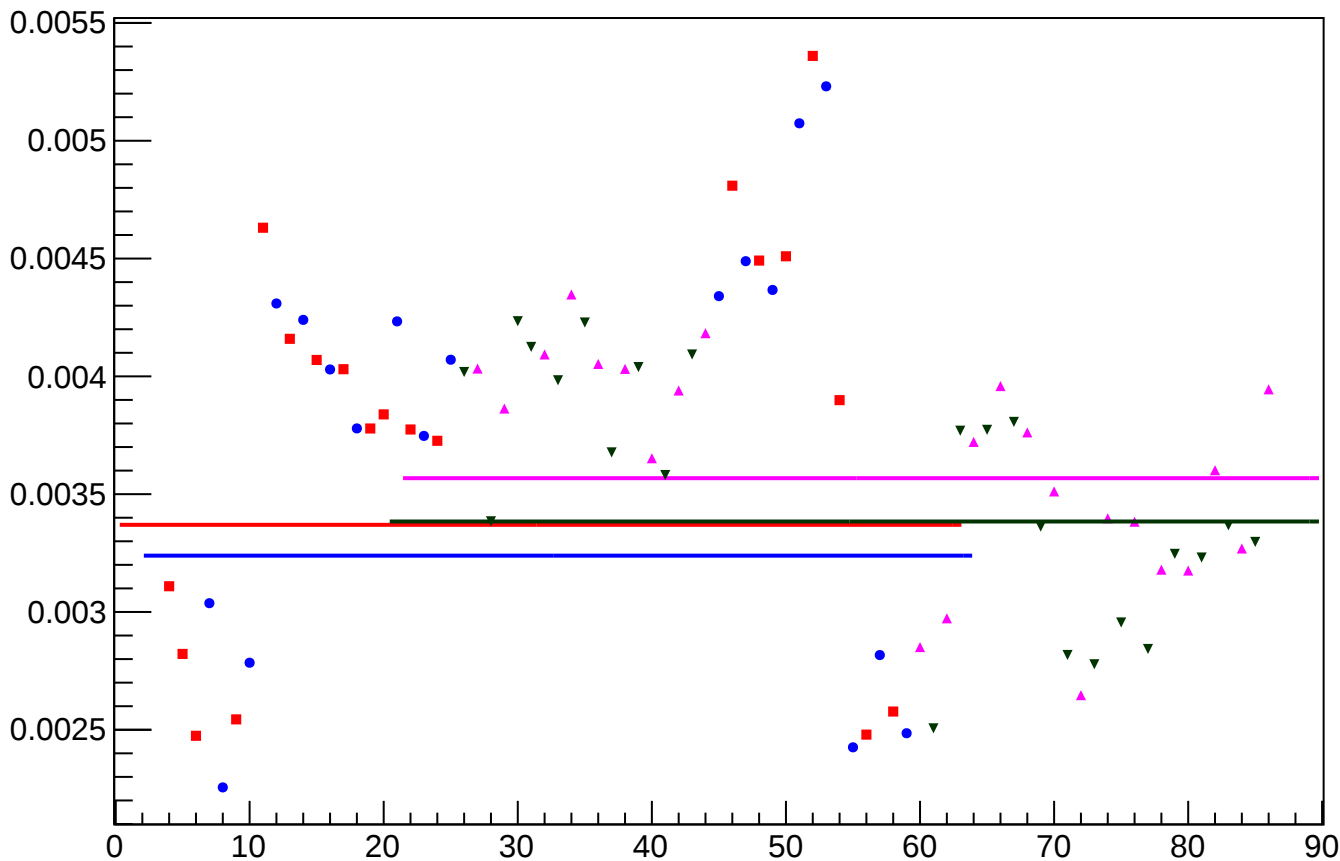
Right Out: 0.682+/-0.000 χ^2/NDF : 168328456976.2/18

Left In: 0.827+/-0.000 χ^2/NDF : 95995689968.6/22

0.801+/-0.000 χ^2/NDF : 261007810066.1/40

0.761+/-0.000 χ^2/NDF : 273263021836.4/41

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 : 494744.6/22

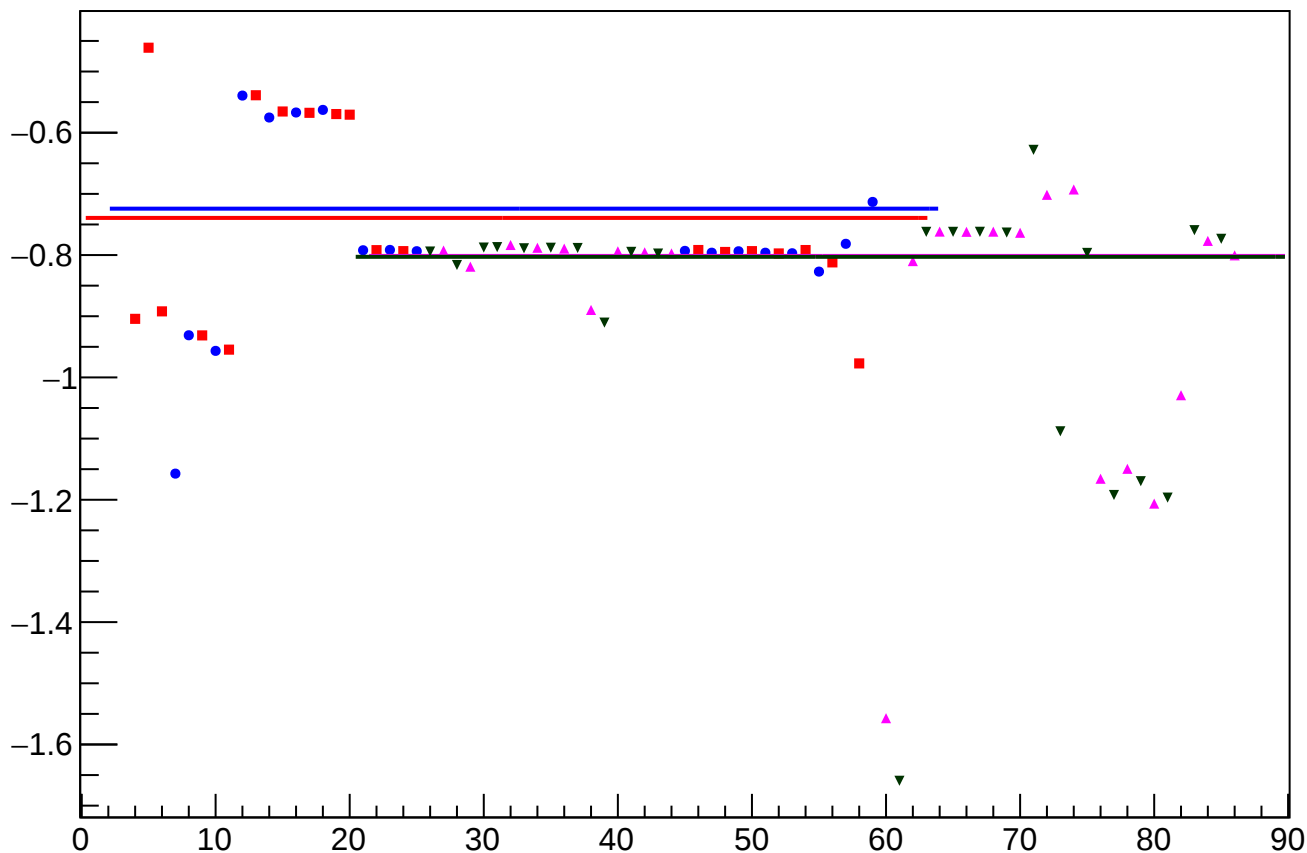
Right Out: 0.003+/-0.000 χ^2/NDF : 1158167.7/18

Left In: 0.004+/-0.000 χ^2/NDF : 404980.0/22

0.003+/-0.000 χ^2/NDF : 2067870.6/40

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 : 1001675288.6/22

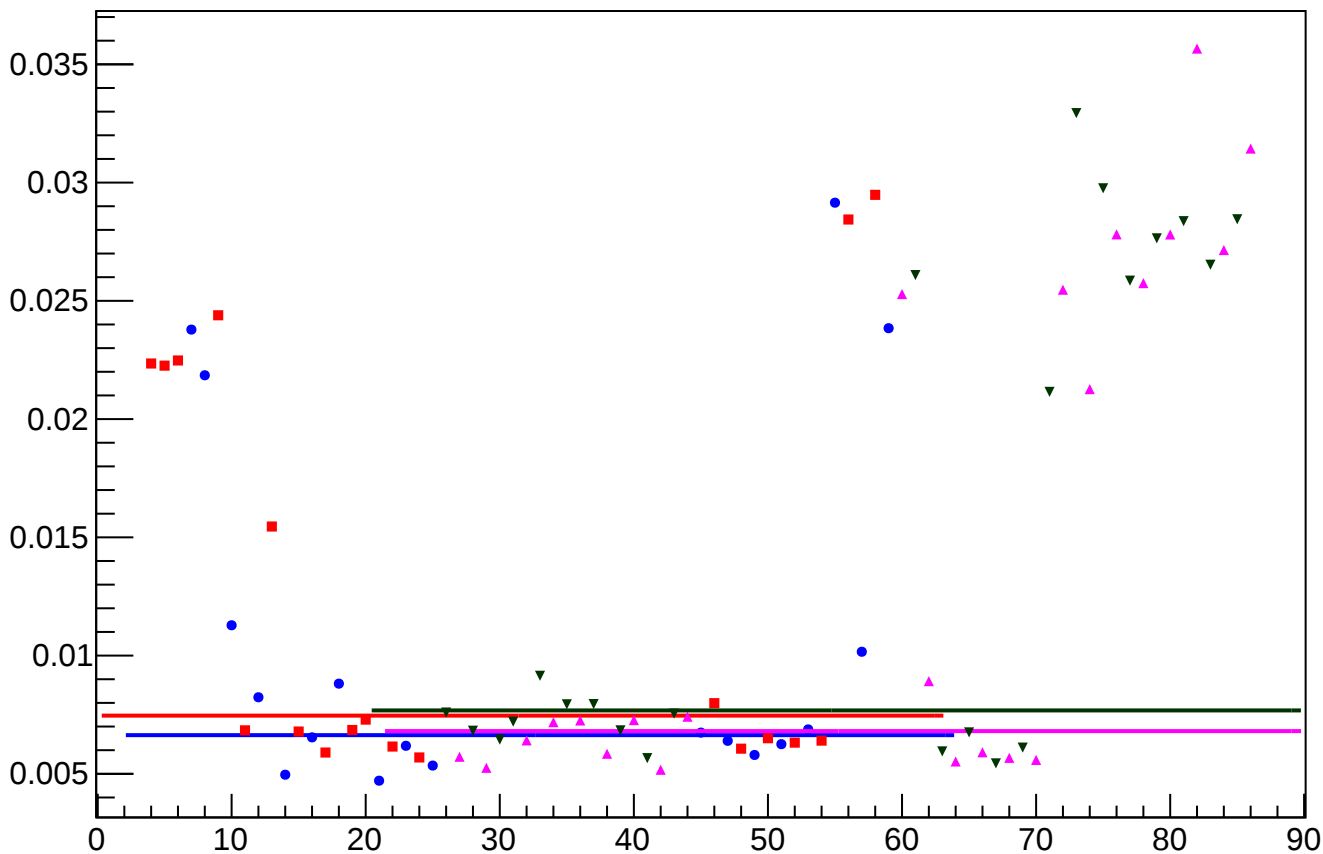
Right Out: -0.739 ± 0.000 χ^2/NDF : 1945829237.2/18

Left In: -0.801 ± 0.000 χ^2/NDF : 962007608.5/22

-0.759 ± 0.000 χ^2/NDF : 3682629633.4/40

-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 :4983551.3/22

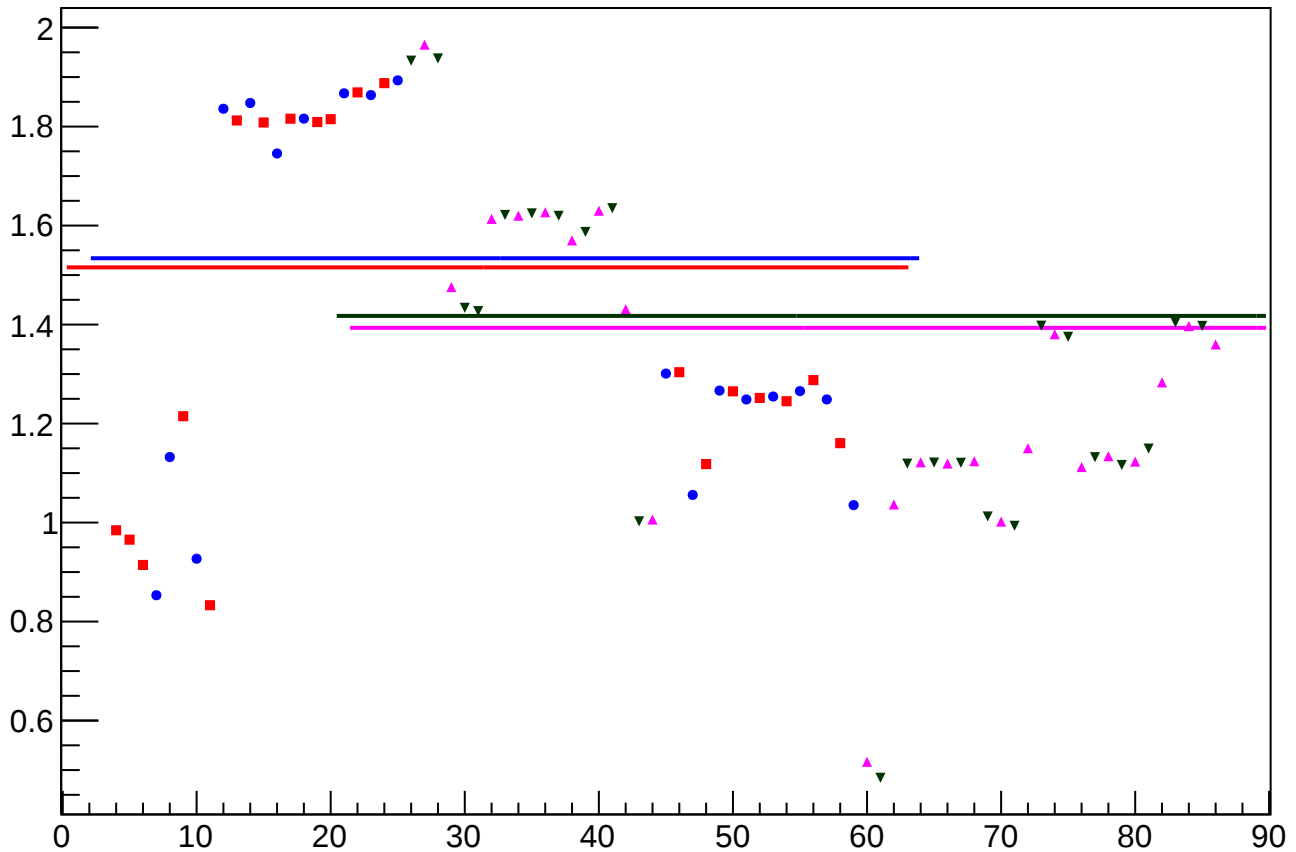
Right Out: 0.007+/-0.000 χ^2/NDF : 3478880.3/18

Left In: 0.007+/-0.000 χ^2/NDF :5376495.9/22

0.007+/-0.000 χ^2/NDF : 8485365.8/40

0.007+/-0.000 χ^2/NDF : 8912677.5/41

yield_bpm12Y_mean vs slug



Right In: 1.534+/-0.000 χ^2/NDF : 22395382646.2/17

Left Out: 1.417+/-0.000 χ^2/NDF :18362061269.7/22

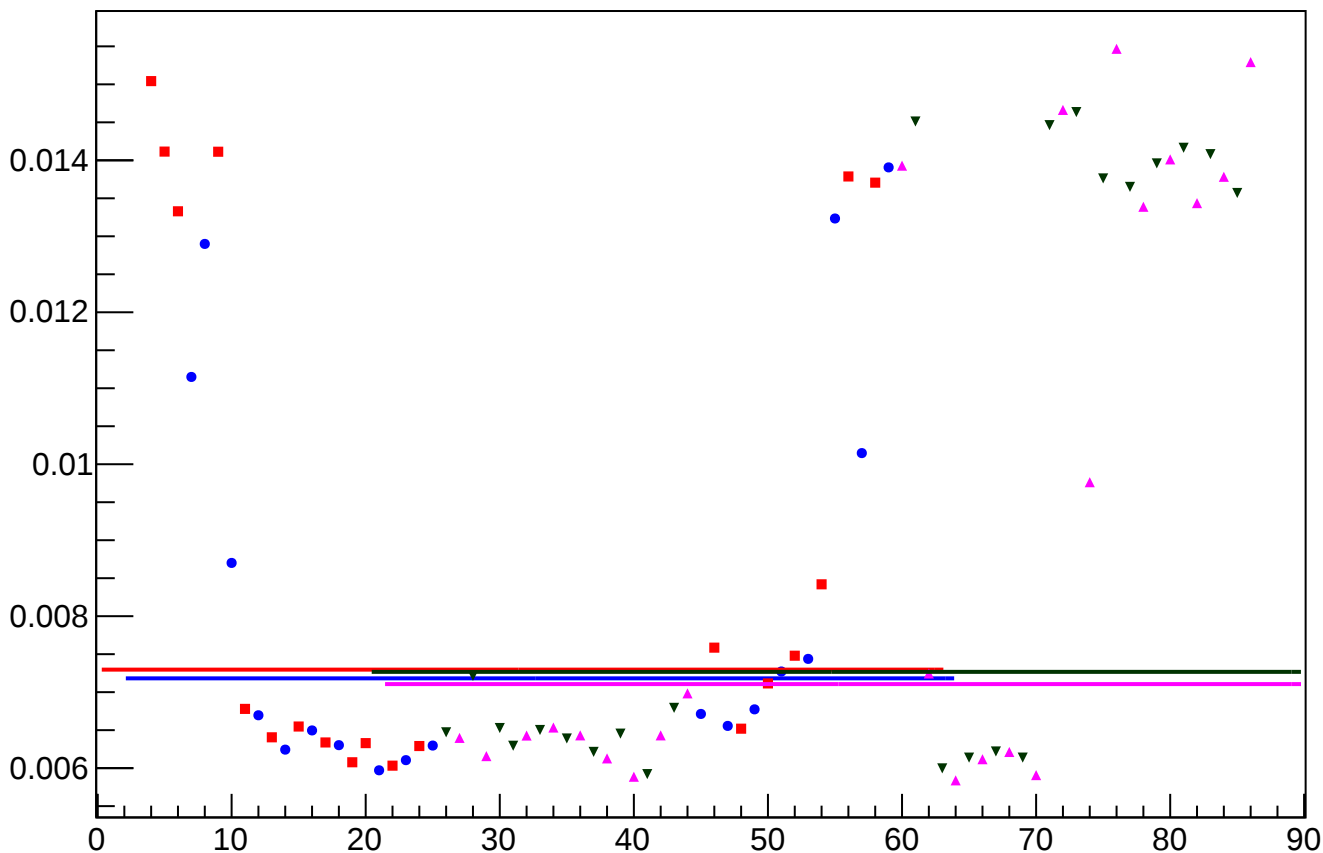
1.476+/-0.000 χ^2/NDF : 42042636650.9/40

Right Out: 1.516+/-0.000 χ^2/NDF : 21754735470.0/18

1.446+/-0.000 χ^2/NDF : 43017504030.9/41

Left In: 1.393+/-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 :2359787.0/22

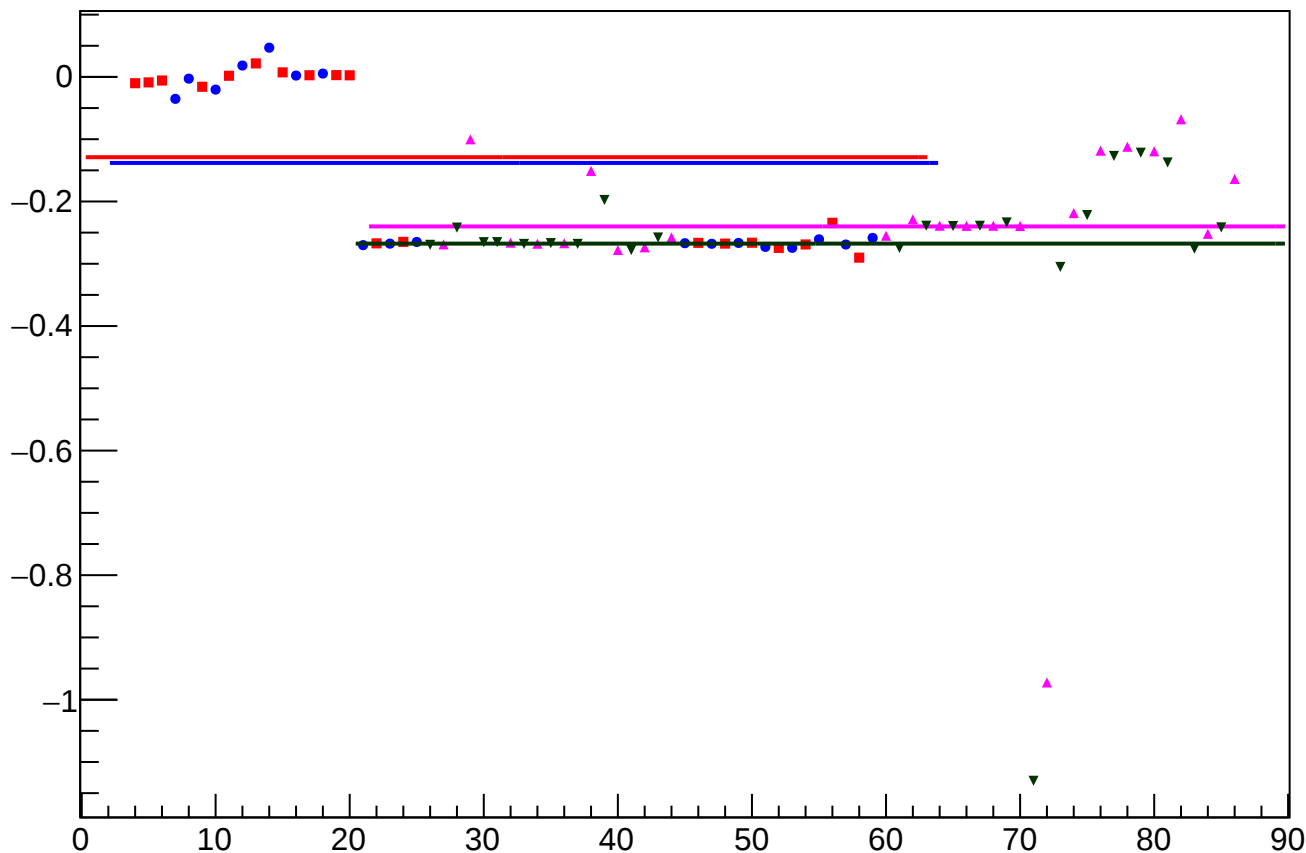
Right Out: 0.007+/-0.000 χ^2/NDF : 1457854.6/18

Left In: 0.007+/-0.000 χ^2/NDF :2376242.5/22

0.007+/-0.000 χ^2/NDF : 3666711.3/40

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: -0.268+/-0.000 χ^2/NDF : 6087515933.6/22

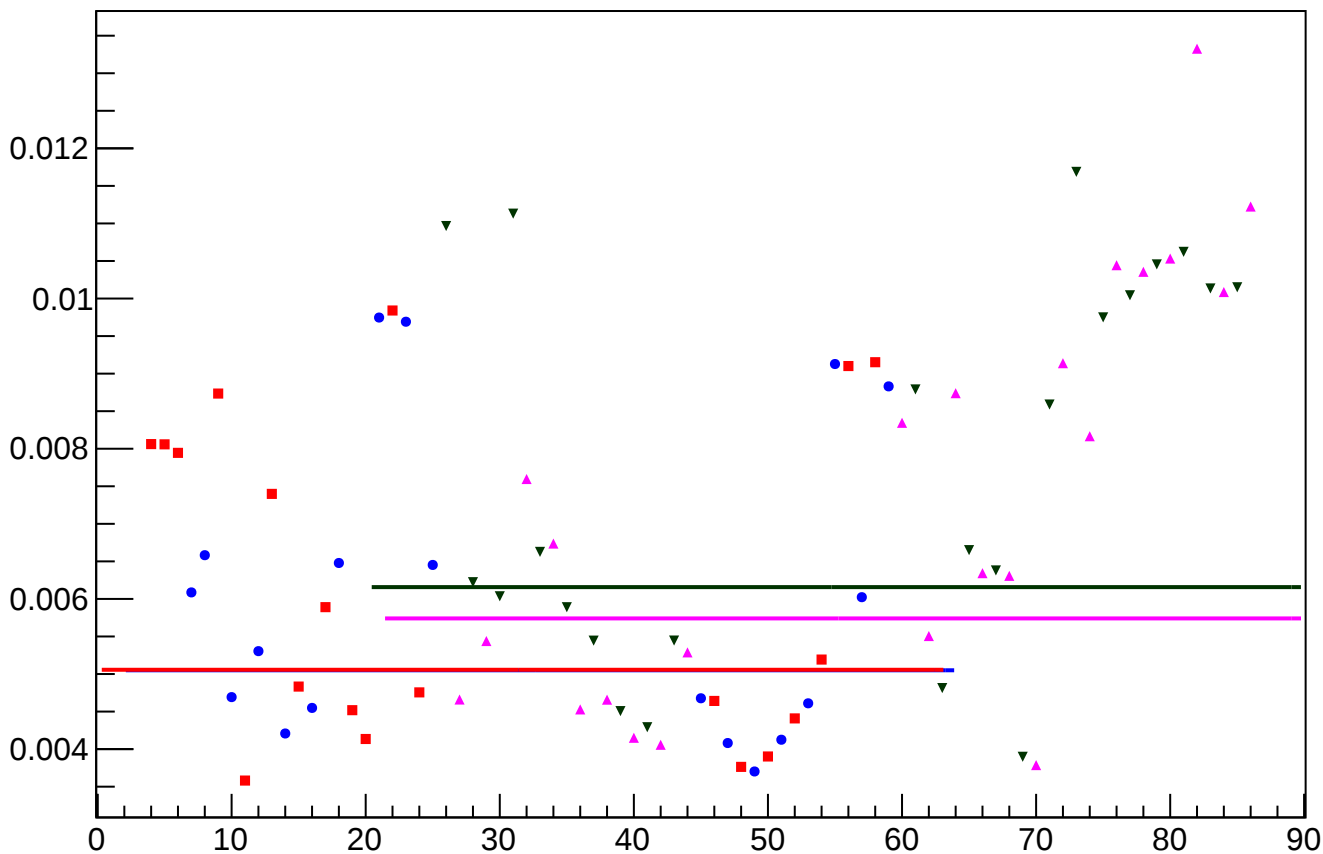
Right Out: -0.129+/-0.000 χ^2/NDF : 5878929515.5/18

Left In: -0.240+/-0.000 χ^2/NDF : 3889340392.9/22

-0.192+/-0.000 χ^2/NDF : 15931692644.5/40

-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 :2414408.3/22

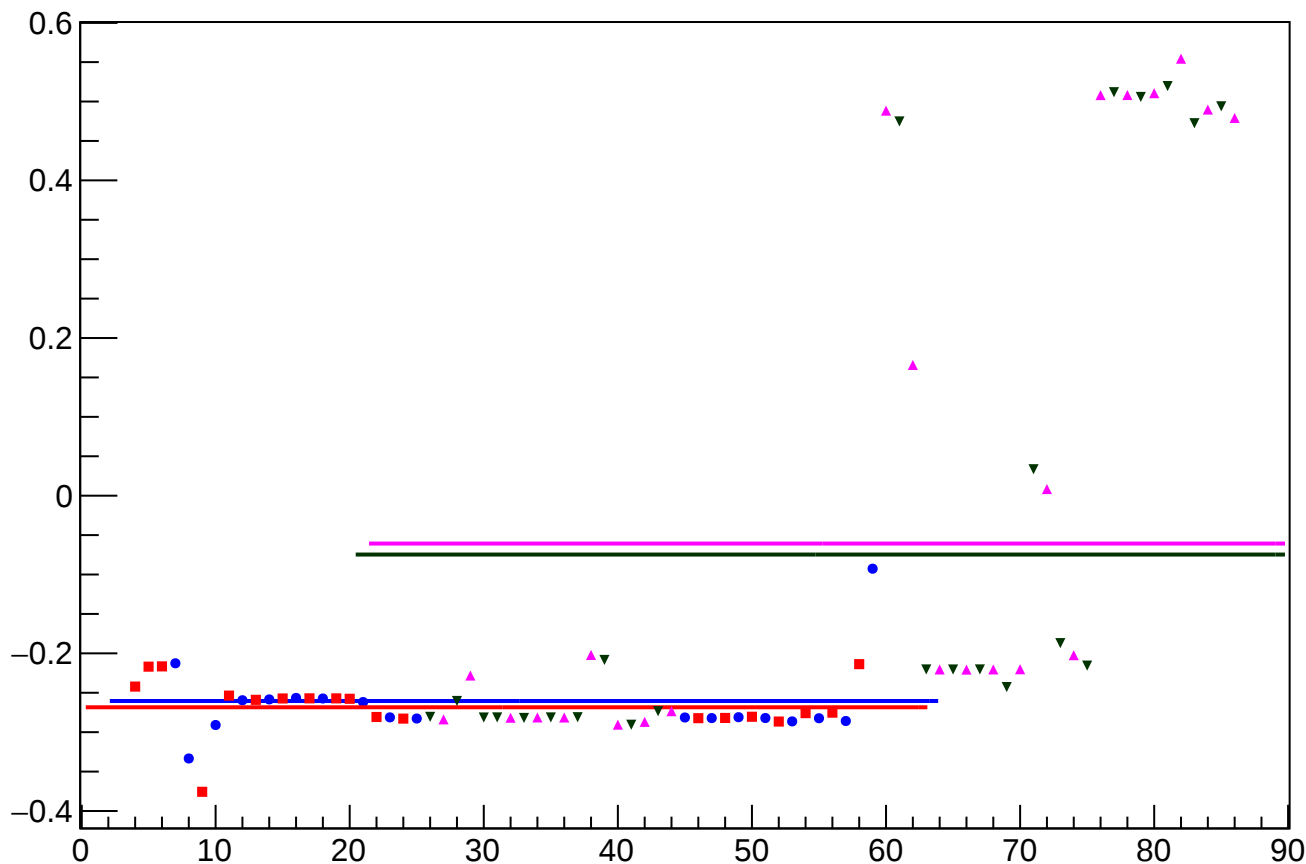
Right Out: 0.005+/-0.000 χ^2/NDF : 1822469.4/18

Left In: 0.006+/-0.000 χ^2/NDF :2662039.0/22

0.006+/-0.000 χ^2/NDF : 4454174.0/40

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: -0.075 ± 0.000 χ^2/NDF : 135472377791.7/22

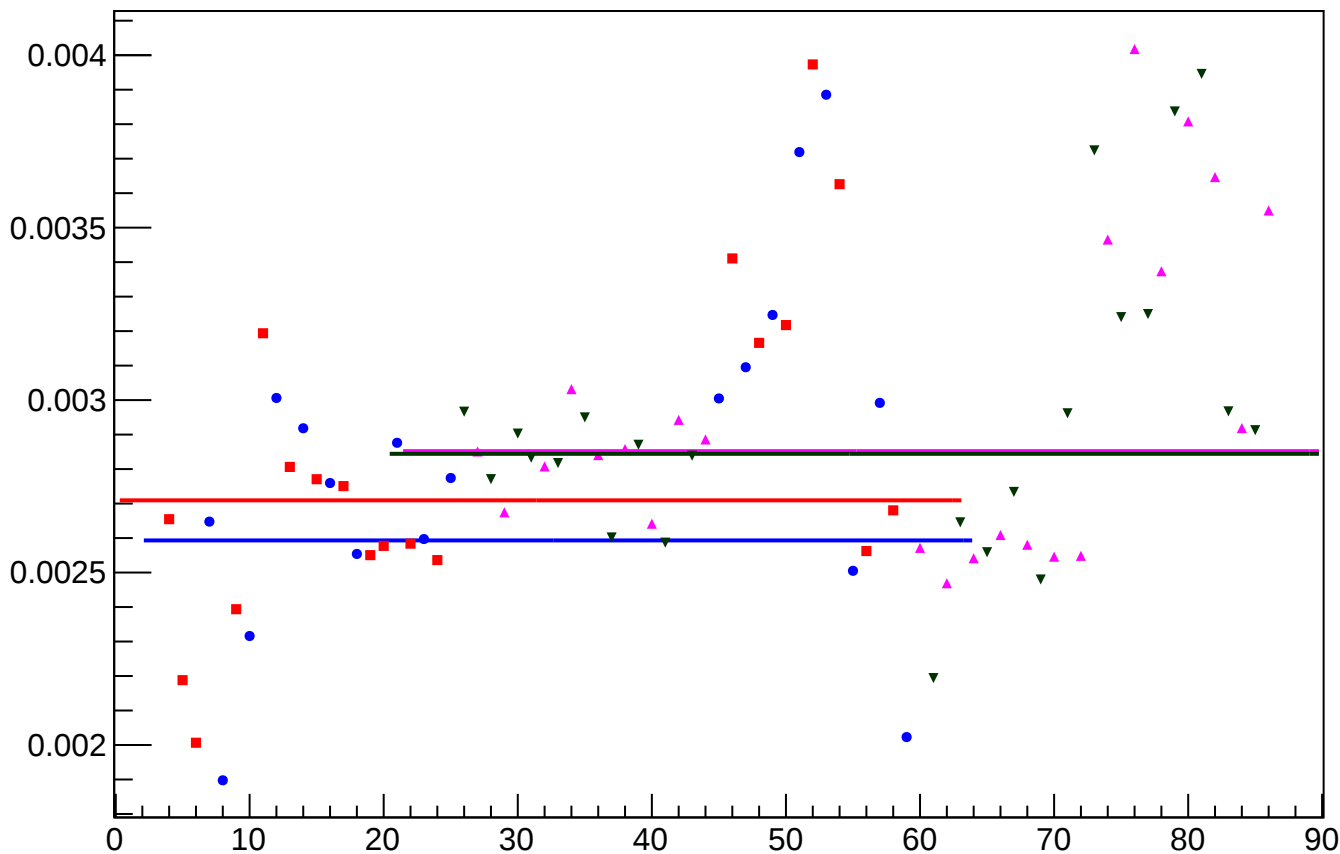
Right Out: -0.268 ± 0.000 χ^2/NDF : 2185355194.4/18

Left In: -0.061 ± 0.000 χ^2/NDF : 141537791050.9/22

-0.173 ± 0.000 χ^2/NDF : 167877101403.3/40

-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 : 372544.0/22

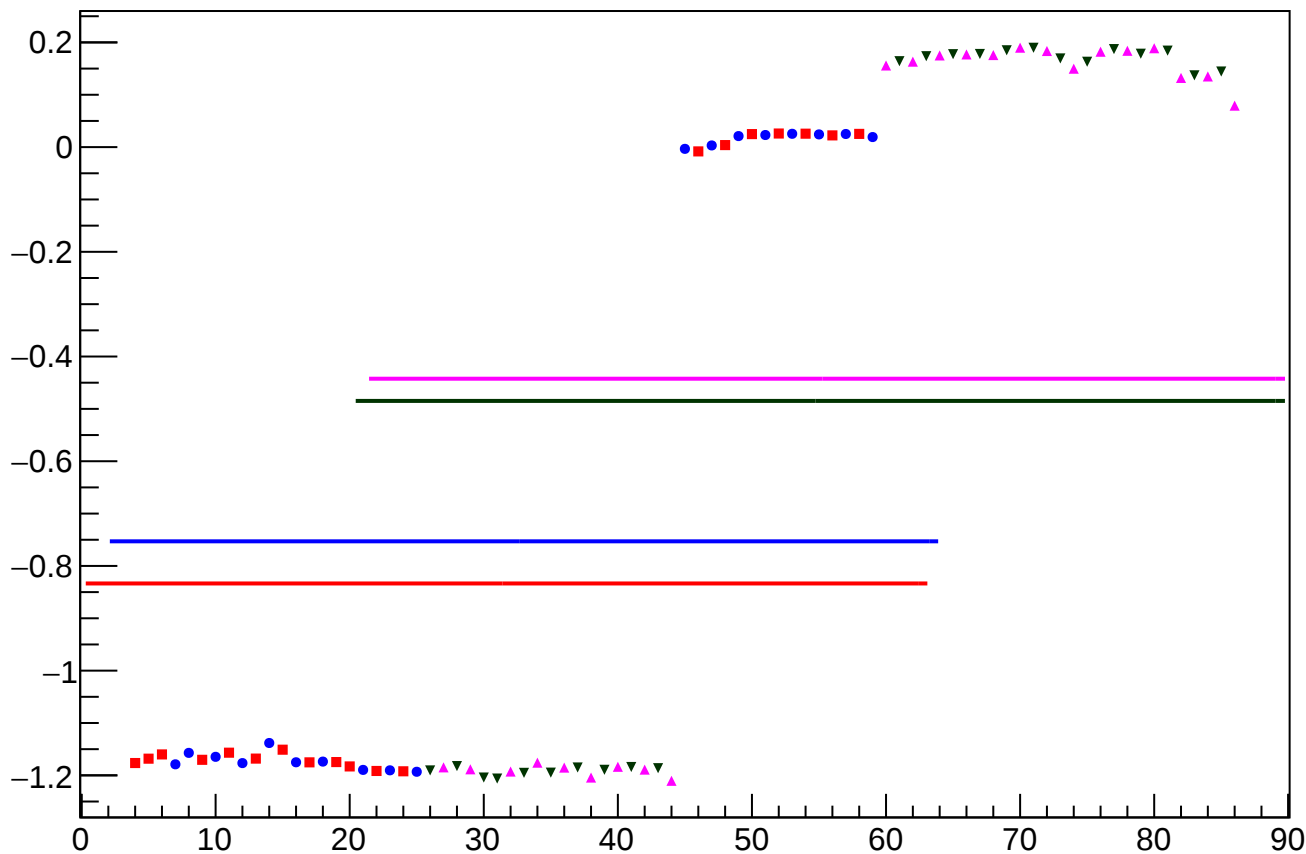
Right Out: 0.003+/-0.000 χ^2/NDF : 476230.4/18

Left In: 0.003+/-0.000 χ^2/NDF : 401172.0/22

0.003+/-0.000 χ^2/NDF : 1239914.9/40

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: -0.485+/-0.000 χ^2/NDF : 77957710926.6/22

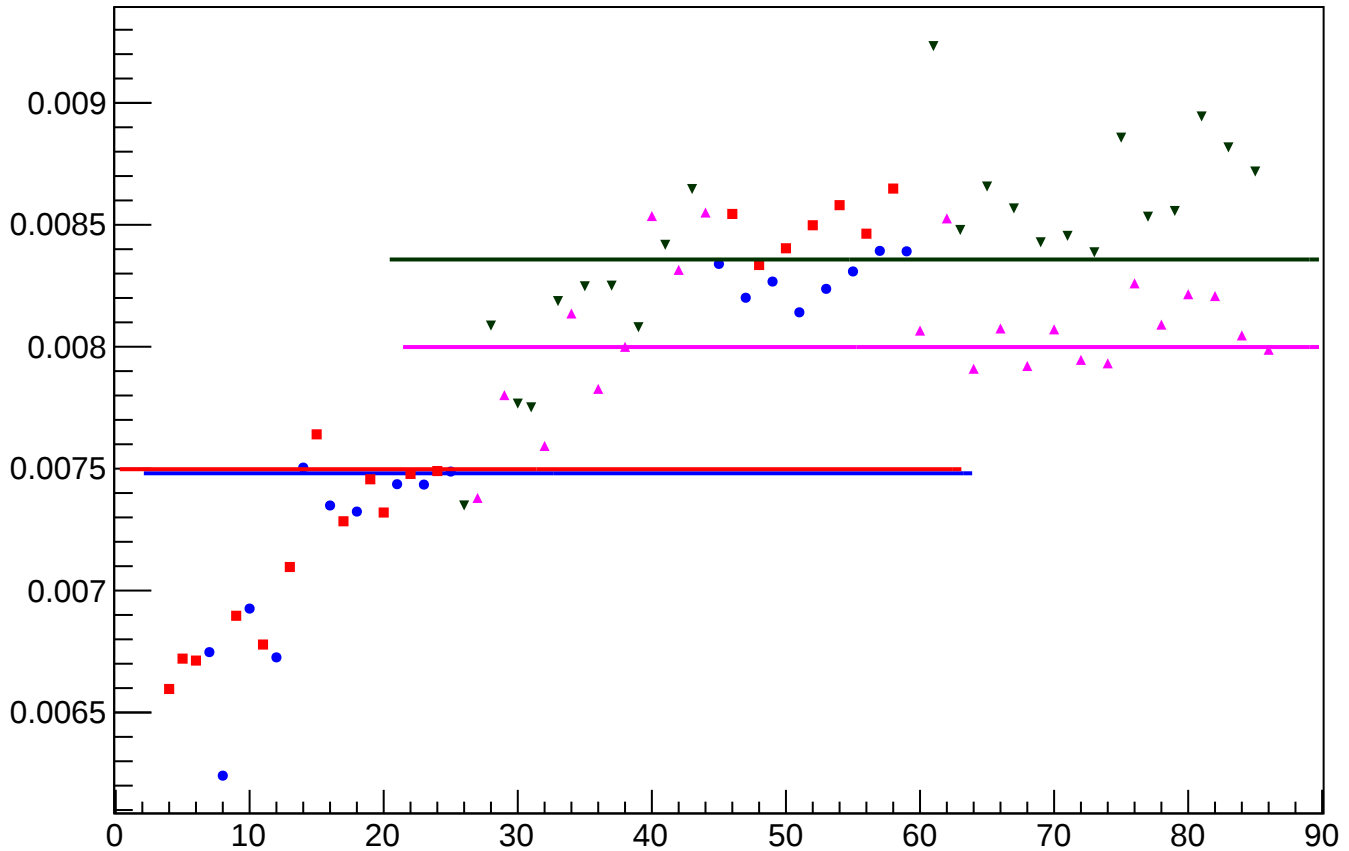
Right Out: -0.833+/-0.000 χ^2/NDF : 50332816661.3/18

Left In: -0.442+/-0.000 χ^2/NDF : 89657269663.0/22

-0.630+/-0.000 χ^2/NDF : 148020705849.1/40

-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:56254.8/22

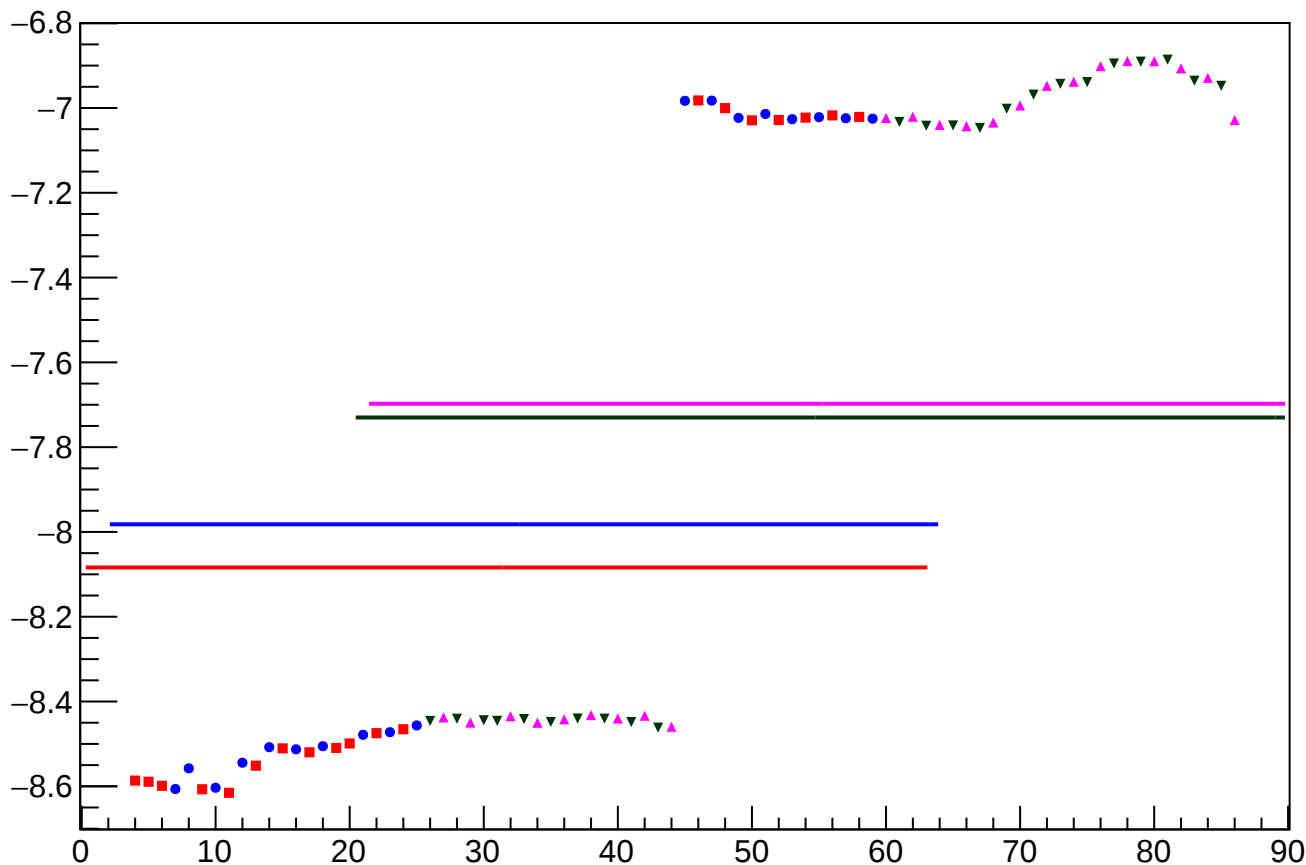
Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 167417.2/18

Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:34954.8/22

0.008 $\pm$ 0.000 χ^2 /NDF: 392116.4/40

0.008 $\pm$ 0.000 χ^2 /NDF: 249078.9/41

yield_bpm2i01Y_mean vs slug



Right In: -7.982+/-0.000 χ^2/NDF : 116524136897.0/17

Left Out: -7.730+/-0.000 χ^2/NDF : 110098385774.1/22

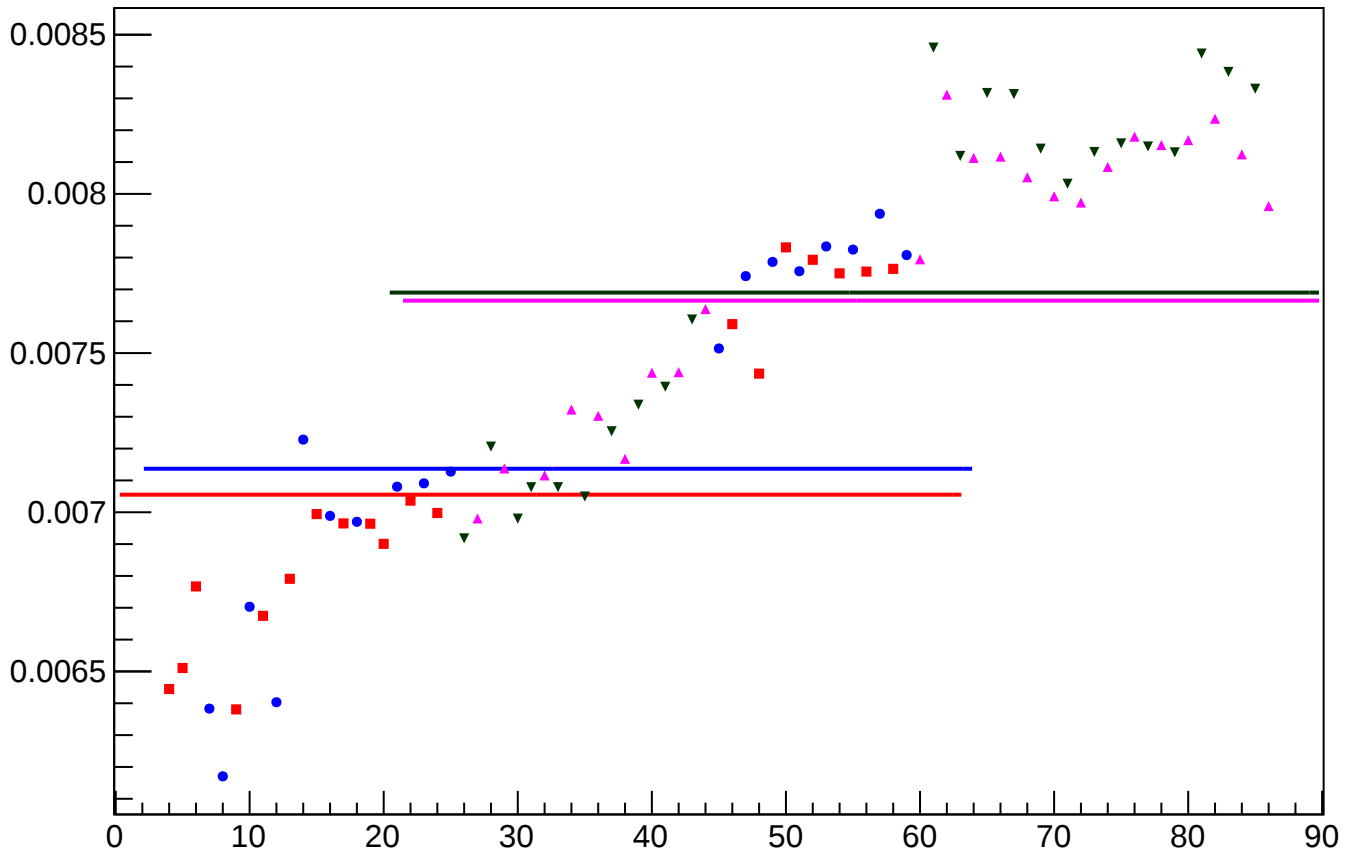
Right Out: -8.084+/-0.000 χ^2/NDF : 99506540389.5/18

Left In: -7.698+/-0.000 χ^2/NDF : 118197023986.9/22

-7.861+/-0.000 χ^2/NDF : 233273381306.2/40

-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 :120291.4/22

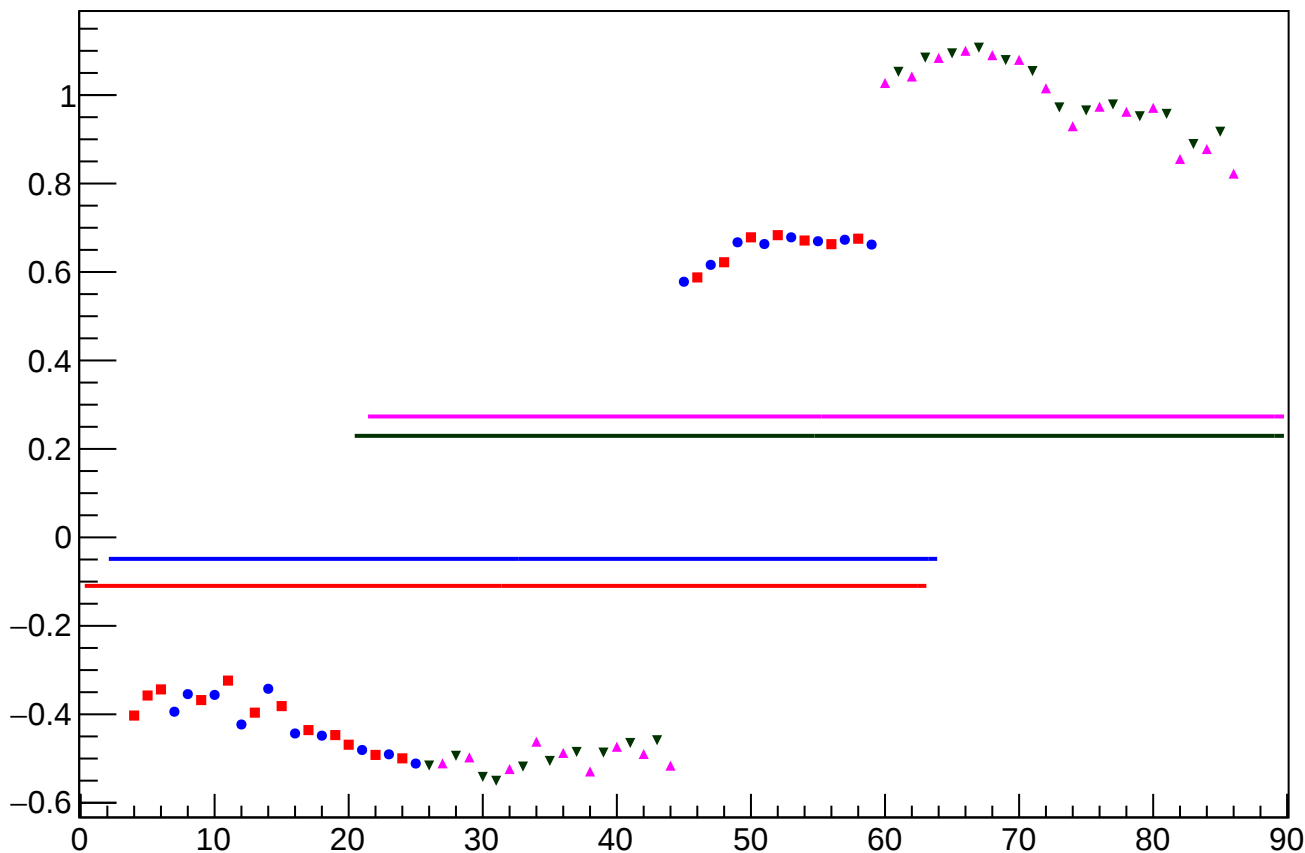
Right Out: 0.007+/-0.000 χ^2/NDF : 88863.4/18

Left In: 0.008+/-0.000 χ^2/NDF :90373.6/22

0.007+/-0.000 χ^2/NDF : 325862.1/40

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: 0.230+/-0.000 χ^2/NDF :14181948538.3/22

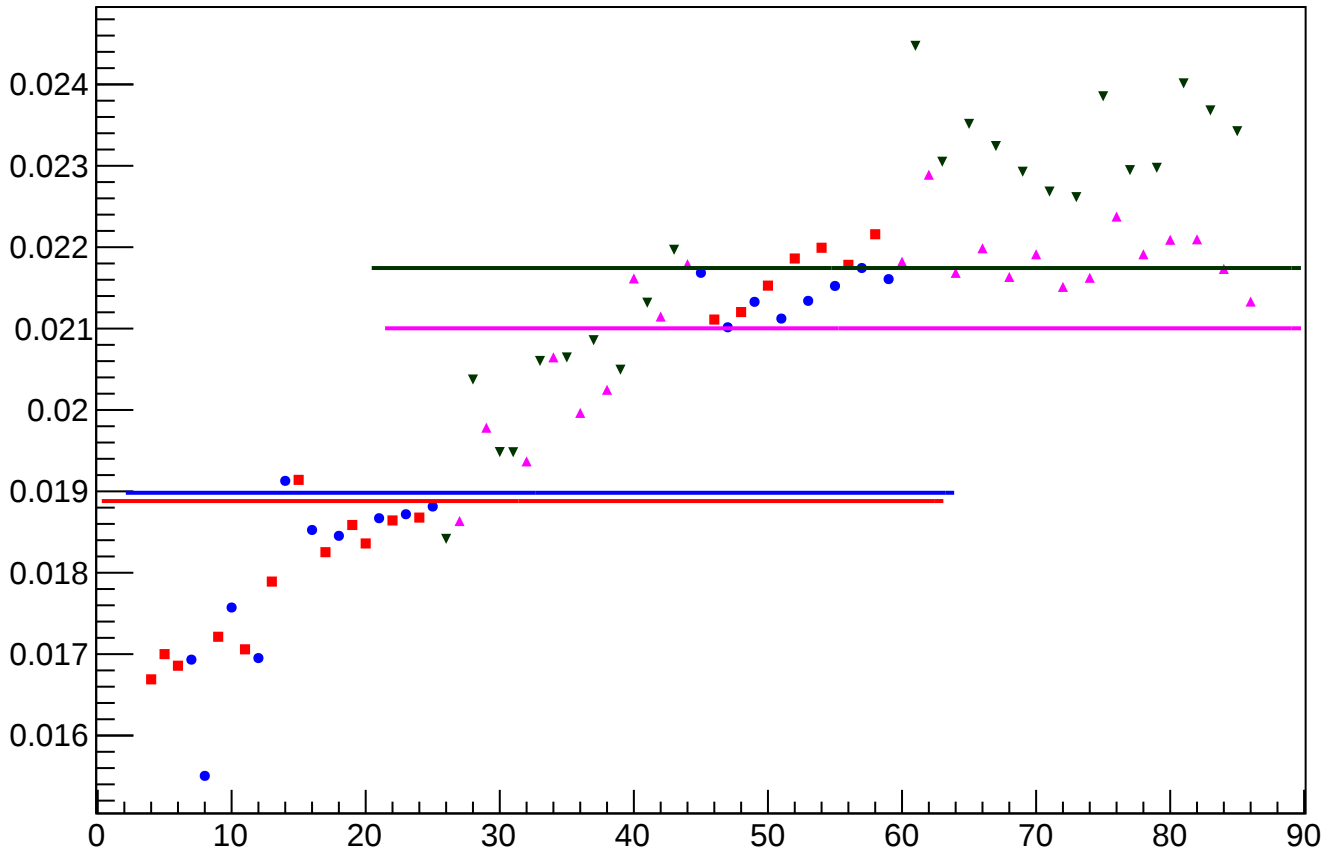
Right Out: -0.110+/-0.000 χ^2/NDF : 6259069670.0/18

Left In: 0.273+/-0.000 χ^2/NDF :16034962973.0/22

0.075+/-0.000 χ^2/NDF : 23049550402.8/40

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 :138985.2/22

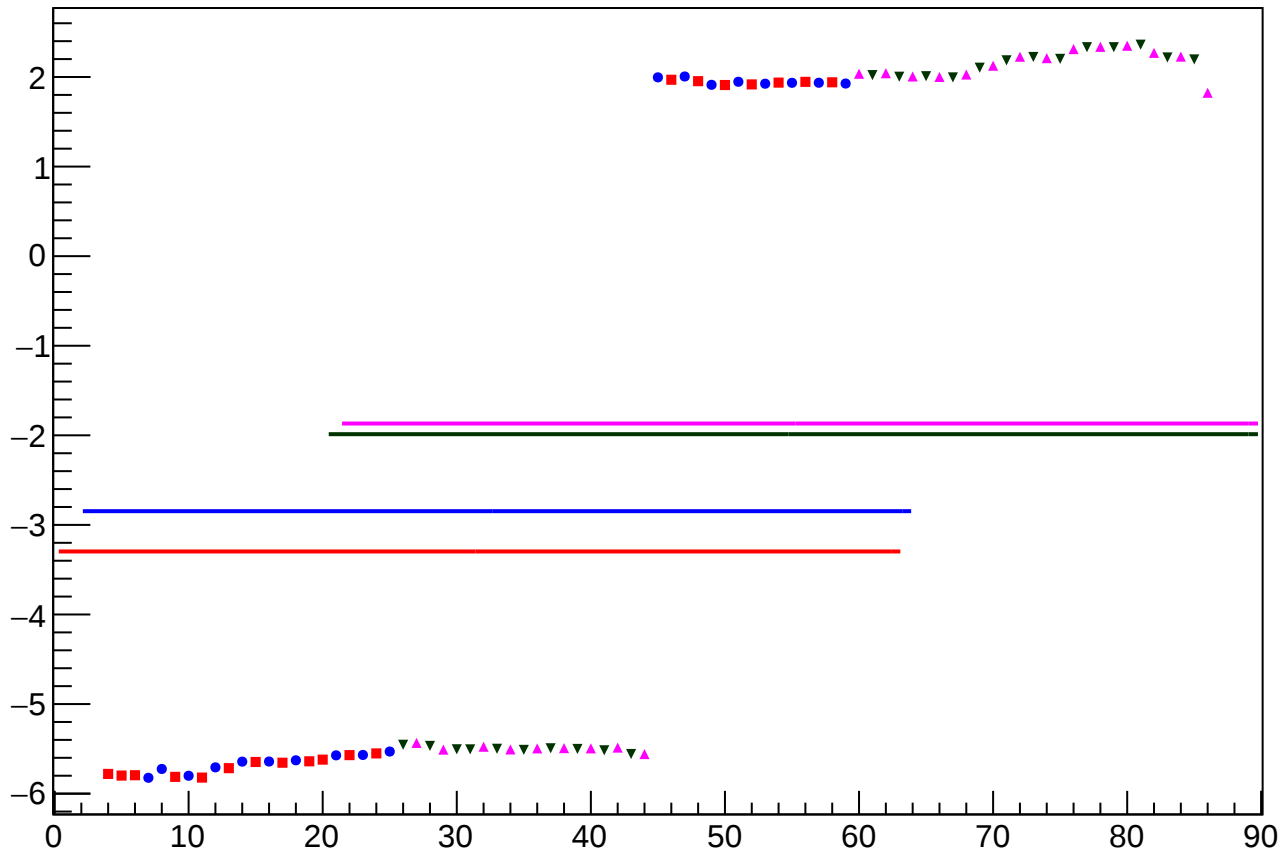
Right Out: 0.019+/-0.000 χ^2/NDF : 190553.3/18

Left In: 0.021+/-0.000 χ^2/NDF :80050.7/22

0.020+/-0.000 χ^2/NDF : 603118.8/40

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: -1.987+/-0.000 χ^2/NDF : 1000739652929.1/22

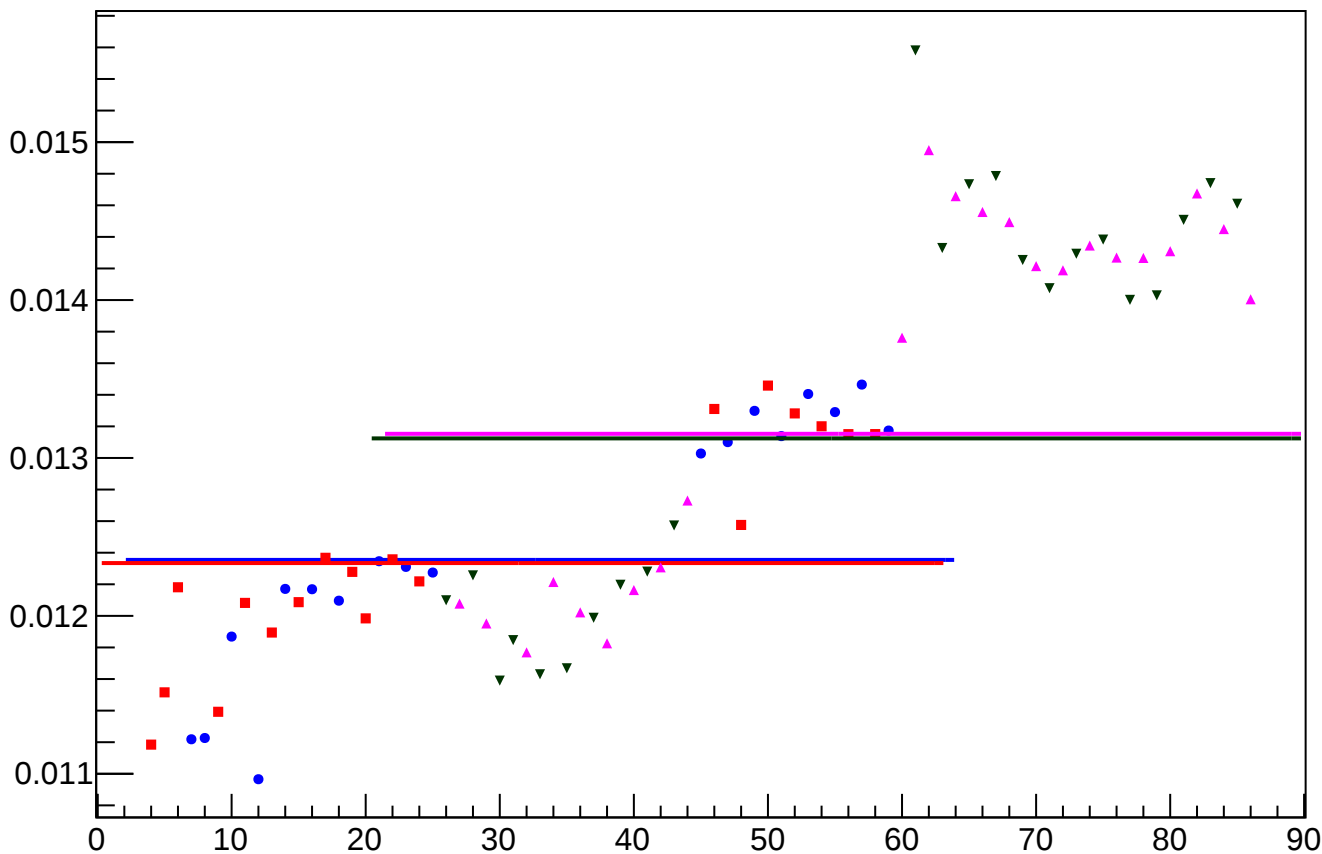
Right Out: -3.297+/-0.000 χ^2/NDF : 819050975647.4/18

Left In: -1.868+/-0.000 χ^2/NDF : 1068732306378.2/22

-2.431+/-0.000 χ^2/NDF : 2014909675890.8/40

-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 : 216795.2/22

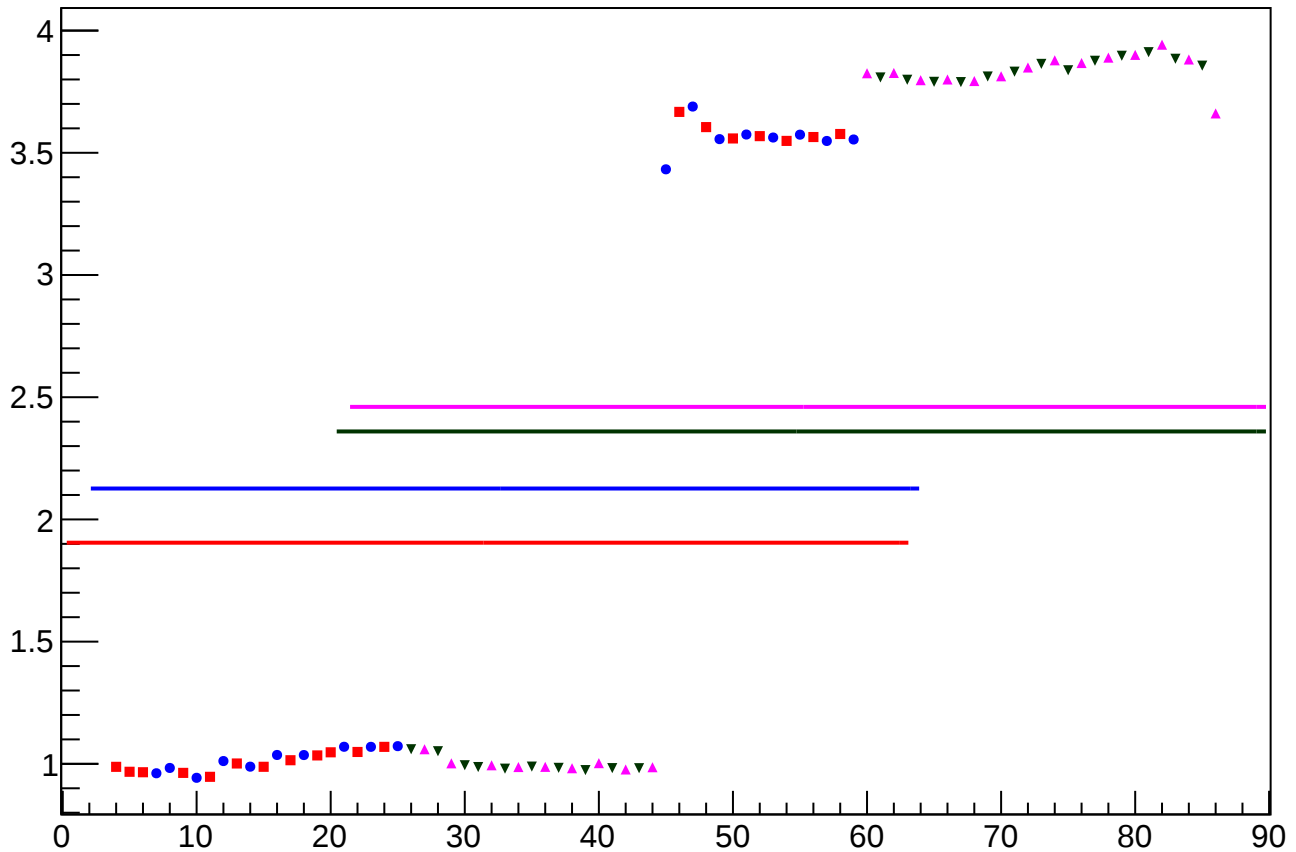
Right Out: 0.012+/-0.000 χ^2/NDF : 54886.5/18

Left In: 0.013+/-0.000 χ^2/NDF : 201487.8/22

0.013+/-0.000 χ^2/NDF : 348461.2/40

0.013+/-0.000 χ^2/NDF : 302579.6/41

yield_bpm1i04X_mean vs slug



Right In: 2.126 $\pm$ 0.000 χ^2/NDF : 292632575878.4/17

Left Out: 2.360 $\pm$ 0.000 χ^2/NDF : 368875201830.1/22

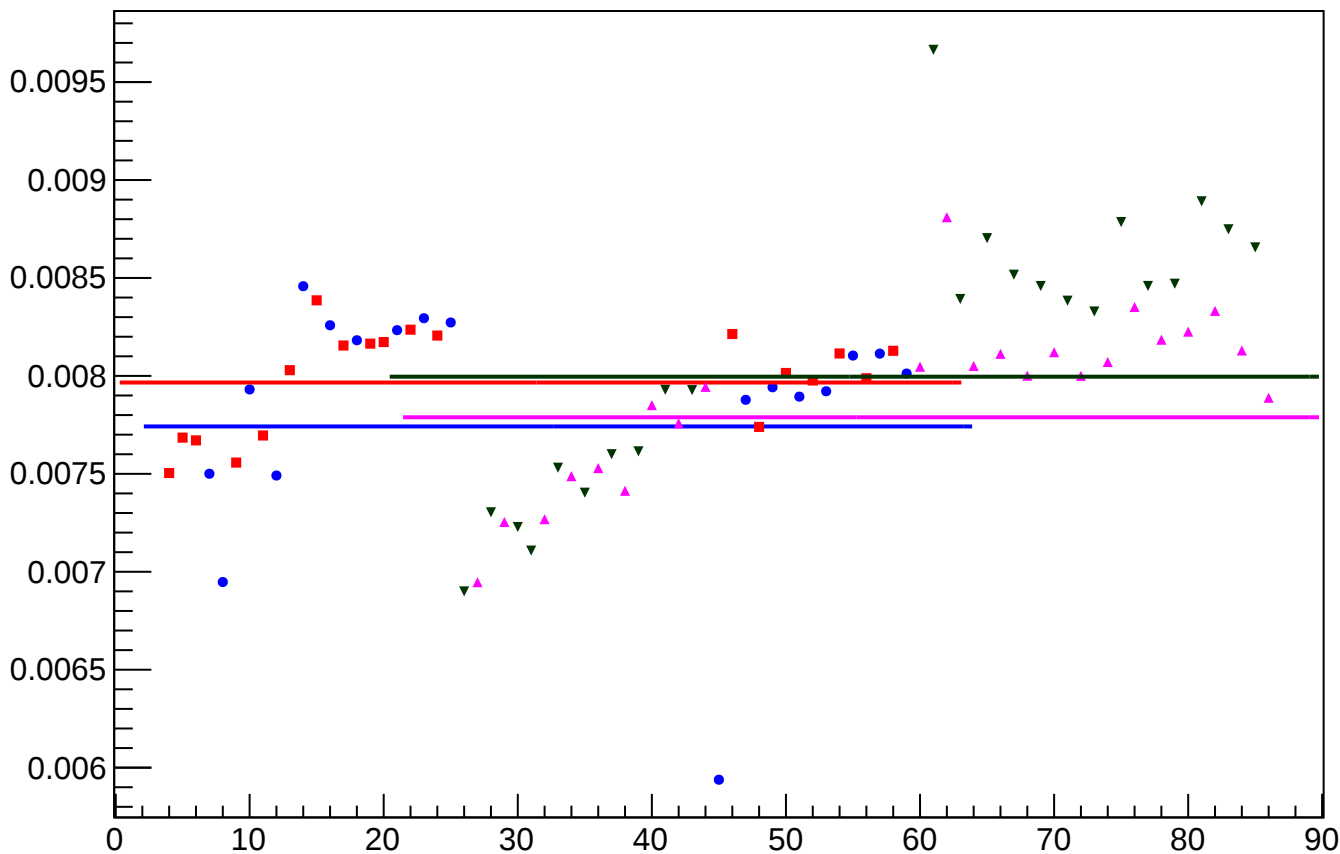
Right Out: 1.905 $\pm$ 0.000 χ^2/NDF : 236022966001.2/18

Left In: 2.460 $\pm$ 0.000 χ^2/NDF : 418179363076.9/22

2.243 $\pm$ 0.000 χ^2/NDF : 666510686159.4/40

2.223 $\pm$ 0.000 χ^2/NDF : 681678506235.1/41

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 :157508.9/22

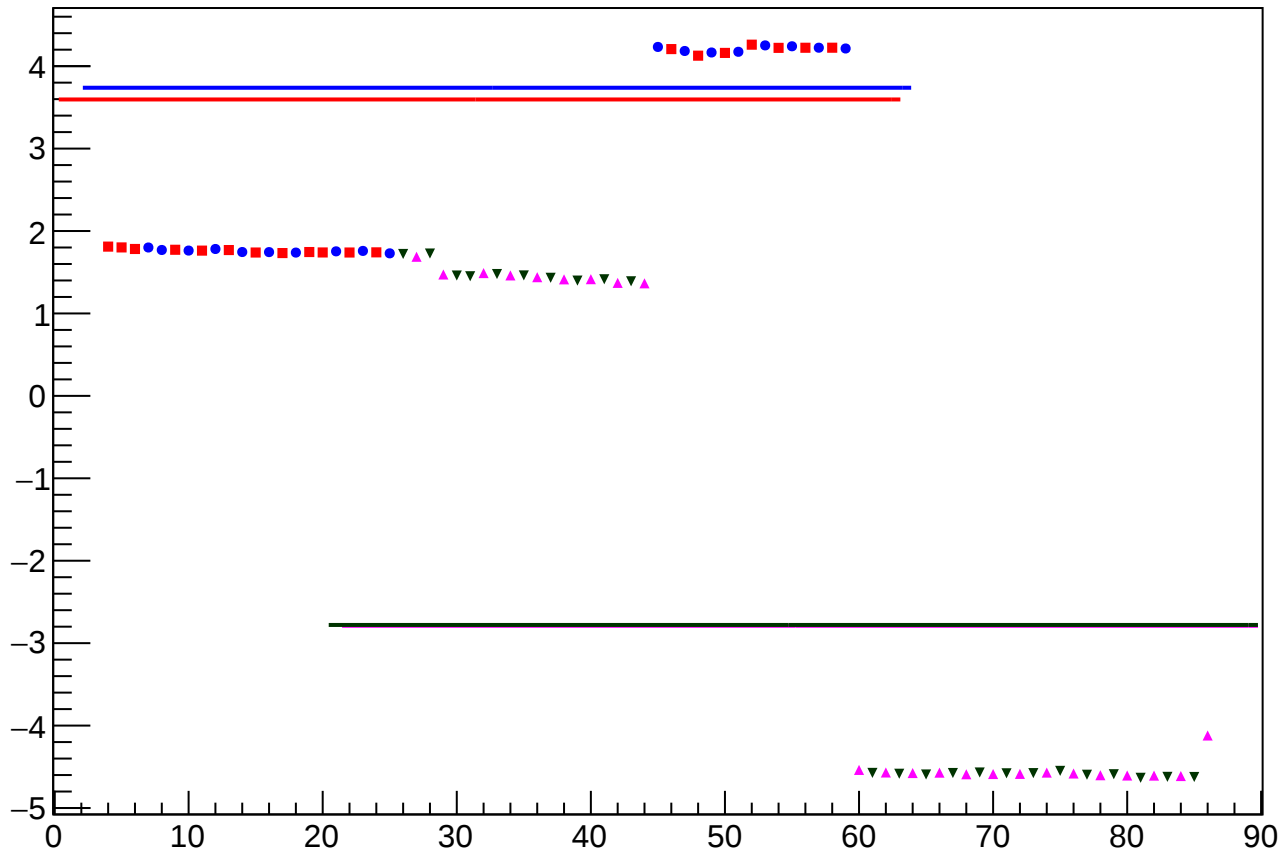
Right Out: 0.008+/-0.000 χ^2/NDF : 20073.5/18

Left In: 0.008+/-0.000 χ^2/NDF :85330.7/22

0.008+/-0.000 χ^2/NDF : 348261.2/40

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: -2.779+/-0.000 χ^2/NDF : 4073568844955.7/22

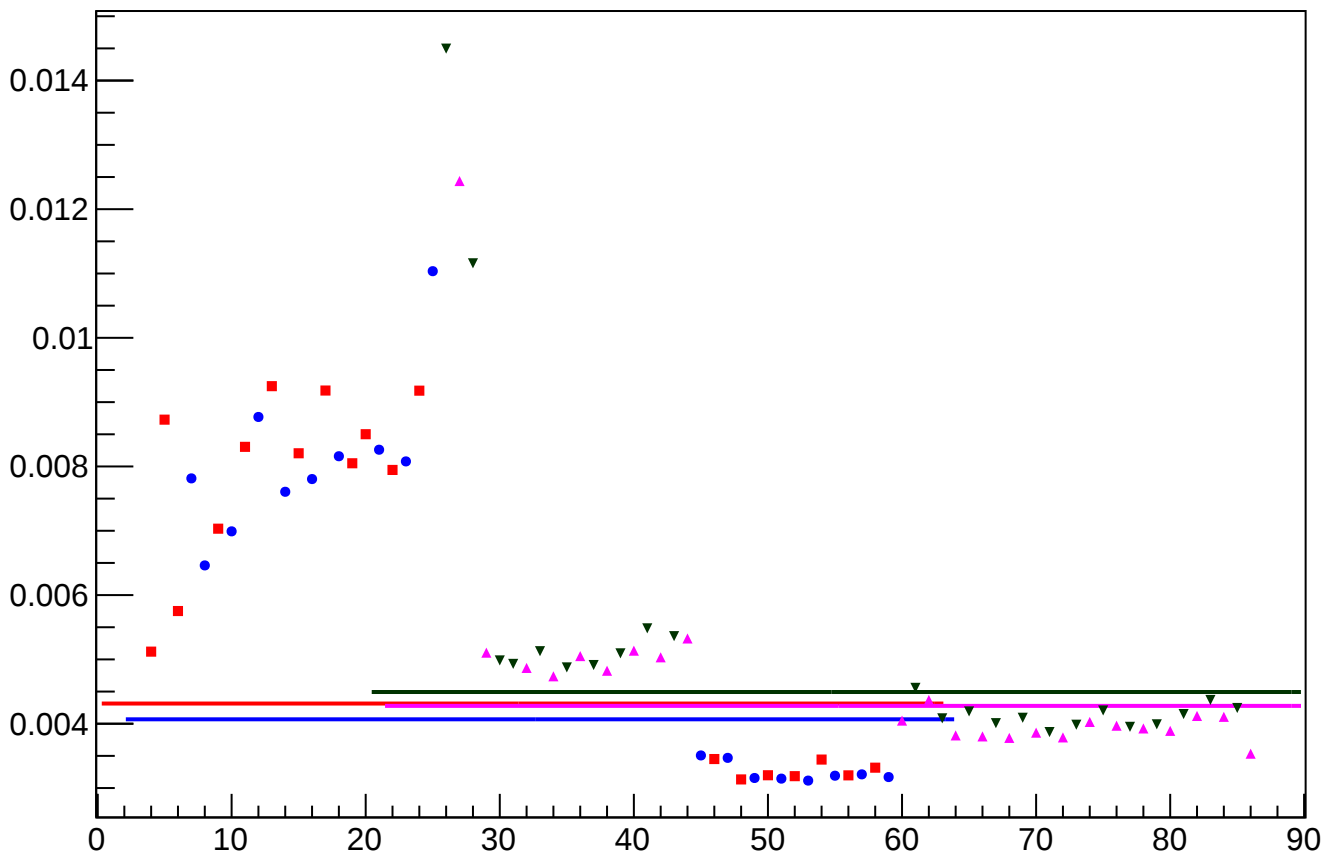
0.503+/-0.000 χ^2/NDF : 15953170811768.8/40

Right Out: 3.596+/-0.000 χ^2/NDF : 468031292414.6/18

-0.264+/-0.000 χ^2/NDF : 15604148078914.6/41

Left In: -2.790+/-0.000 χ^2/NDF : 4770446166056.5/22

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 :1156047.3/22

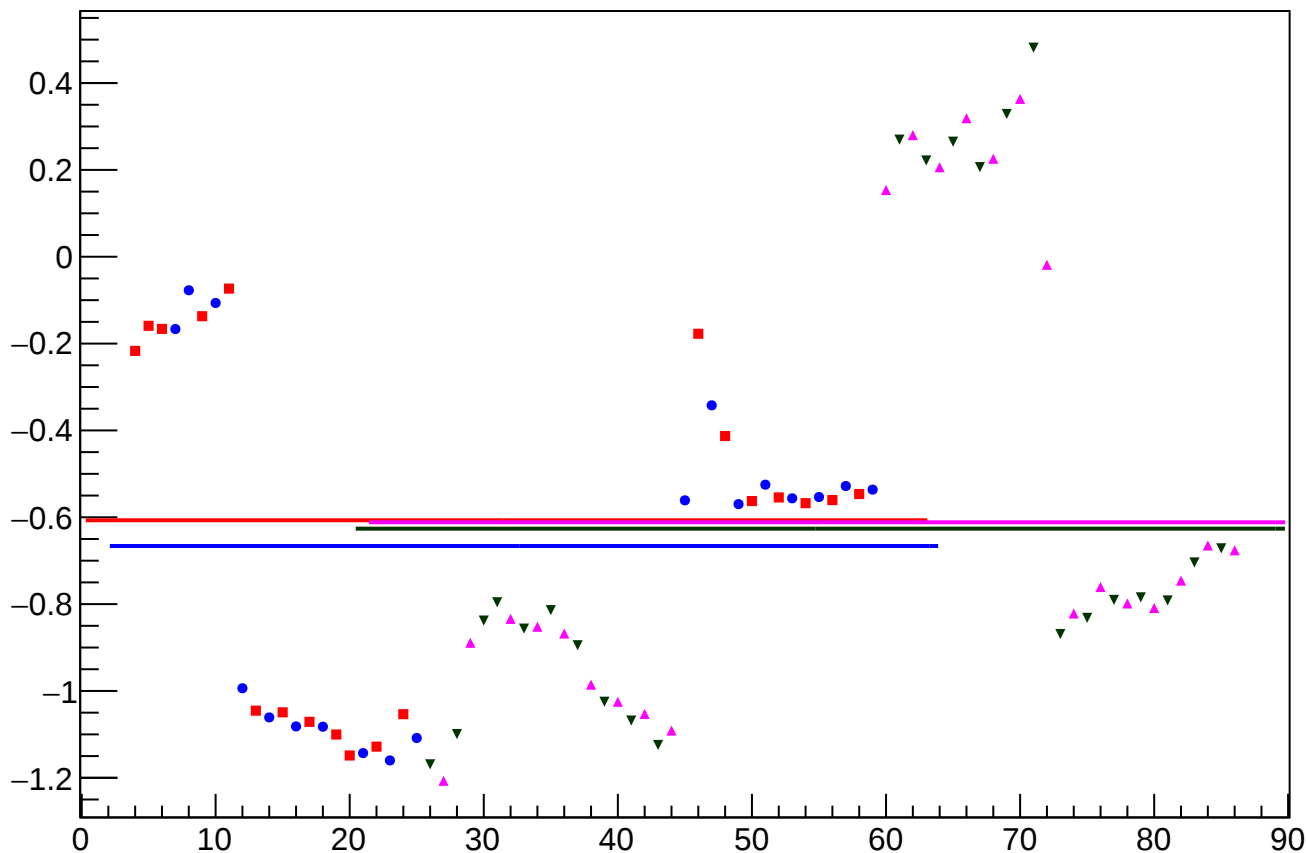
Right Out: 0.004+/-0.000 χ^2/NDF : 3241260.9/18

Left In: 0.004+/-0.000 χ^2/NDF :975638.0/22

0.004+/-0.000 χ^2/NDF : 4654319.8/40

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 : 40325917162.6/22

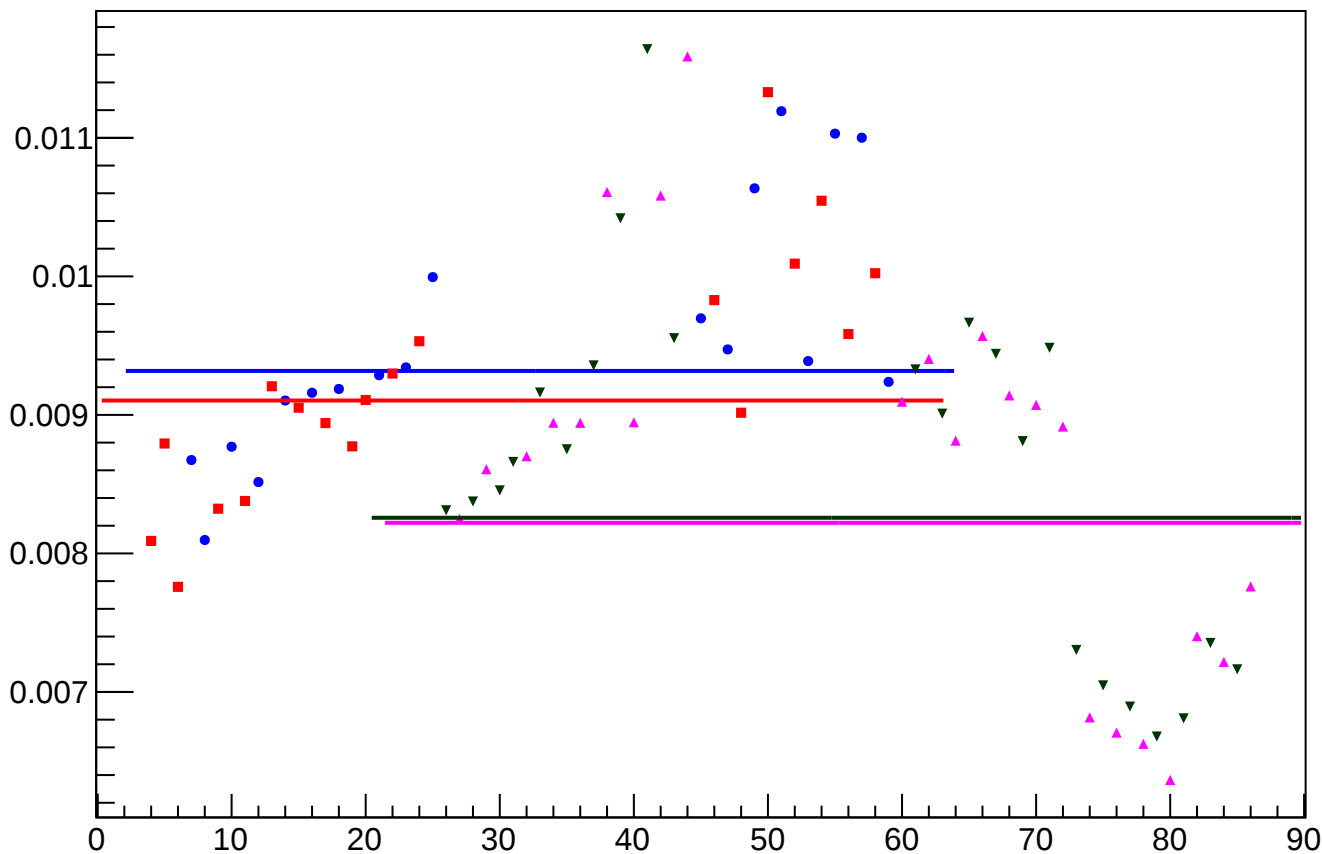
Right Out: -0.607+/-0.000 χ^2/NDF : 19217252419.4/18

Left In: -0.612+/-0.000 χ^2/NDF : 41367947821.1/22

-0.643+/-0.000 χ^2/NDF : 59576305555.2/40

-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 : 500418.2/22

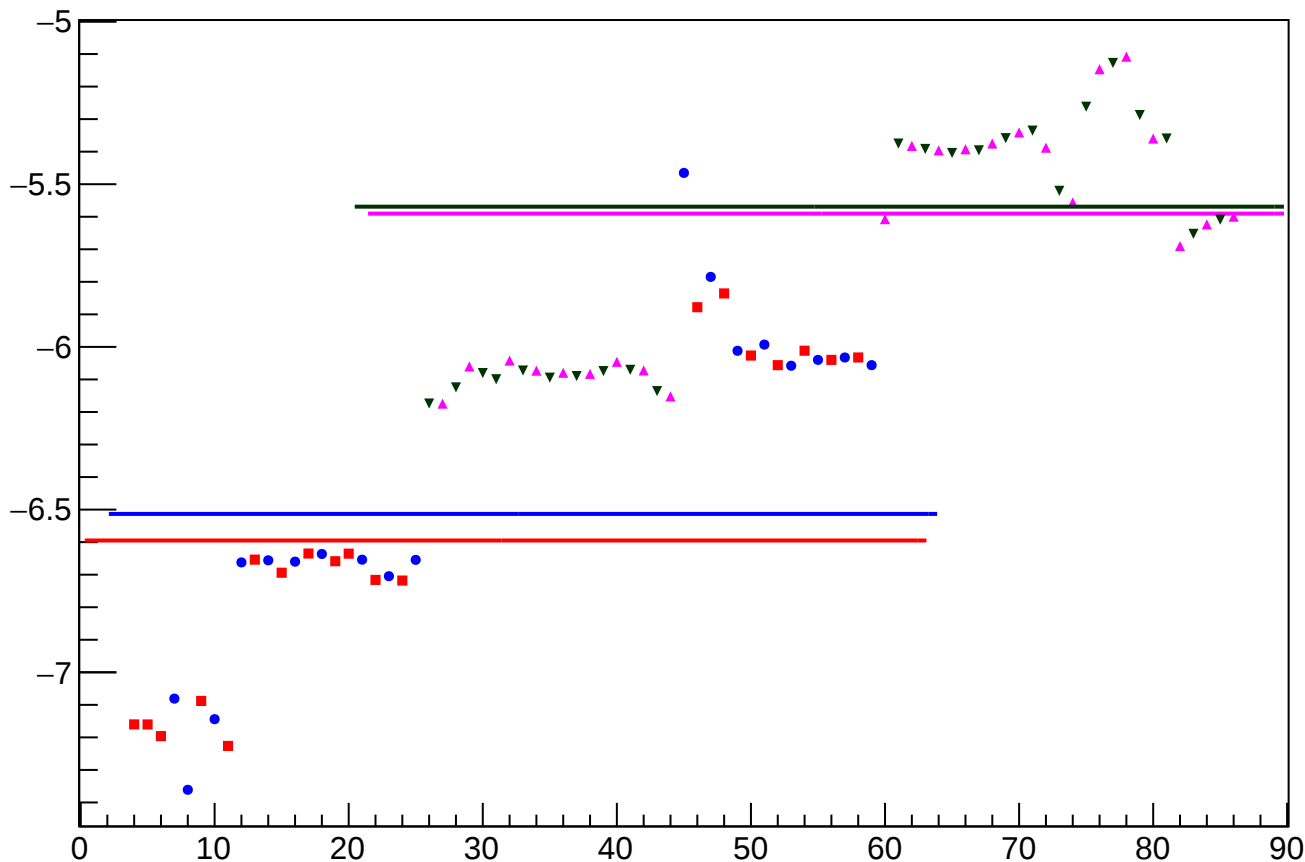
Right Out: 0.009+/-0.000 χ^2/NDF : 159092.9/18

Left In: 0.008+/-0.000 χ^2/NDF : 570302.5/22

0.009+/-0.000 χ^2/NDF : 827659.2/40

0.009+/-0.000 χ^2/NDF : 840395.9/41

yield_bpm0l01Y_mean vs slug



Right In: -6.513+/-0.000 χ^2/NDF : 34103178286.6/17

Left Out: -5.569+/-0.000 χ^2/NDF :23138446730.5/22

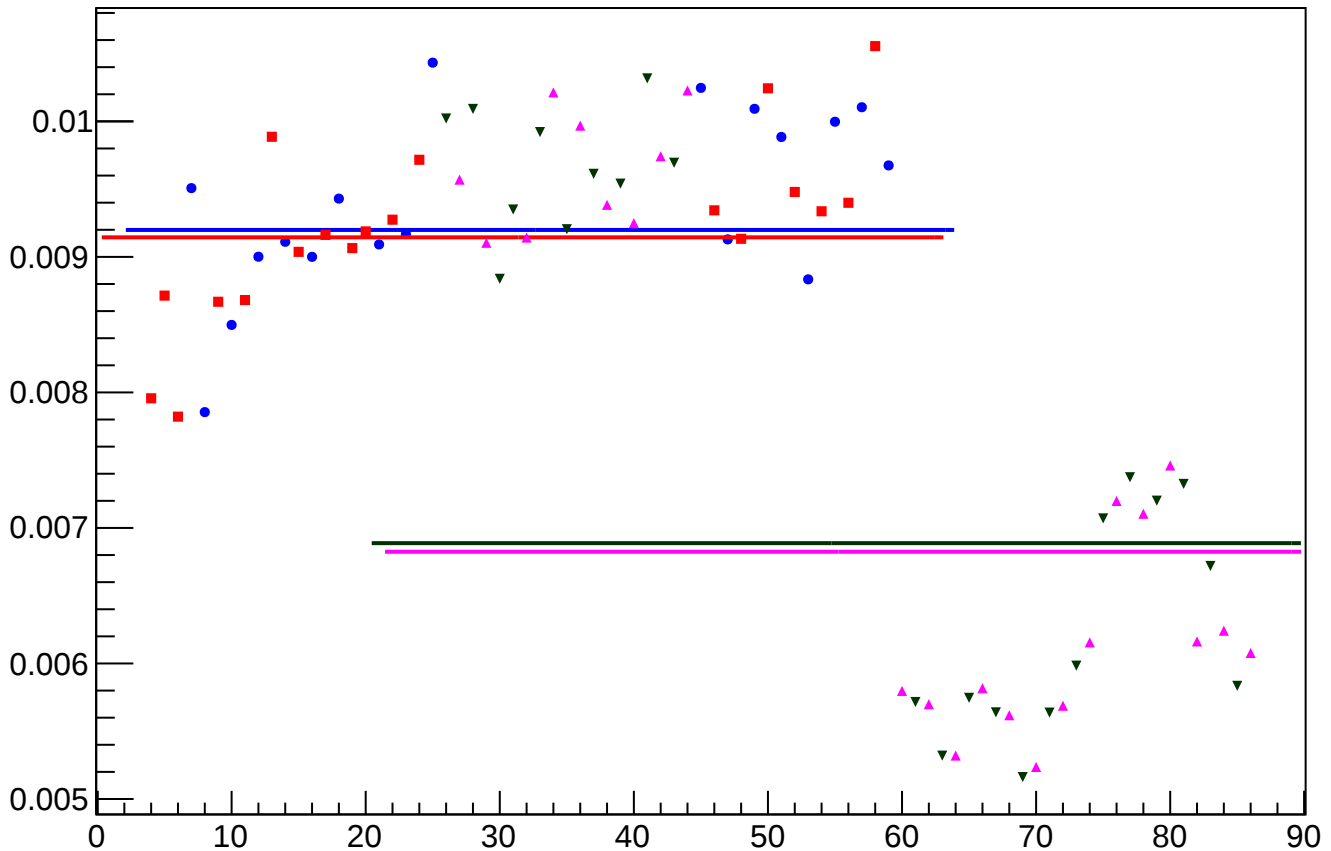
-5.908+/-0.000 χ^2/NDF : 130450612859.6/40

Right Out: -6.595+/-0.000 χ^2/NDF : 25777696502.6/18

-5.901+/-0.000 χ^2/NDF : 129220745305.9/41

Left In: -5.590+/-0.000 χ^2/NDF :24122698128.4/22

yield_bpm0l01Y_rms vs slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 120528.1/17

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:1297584.5/22

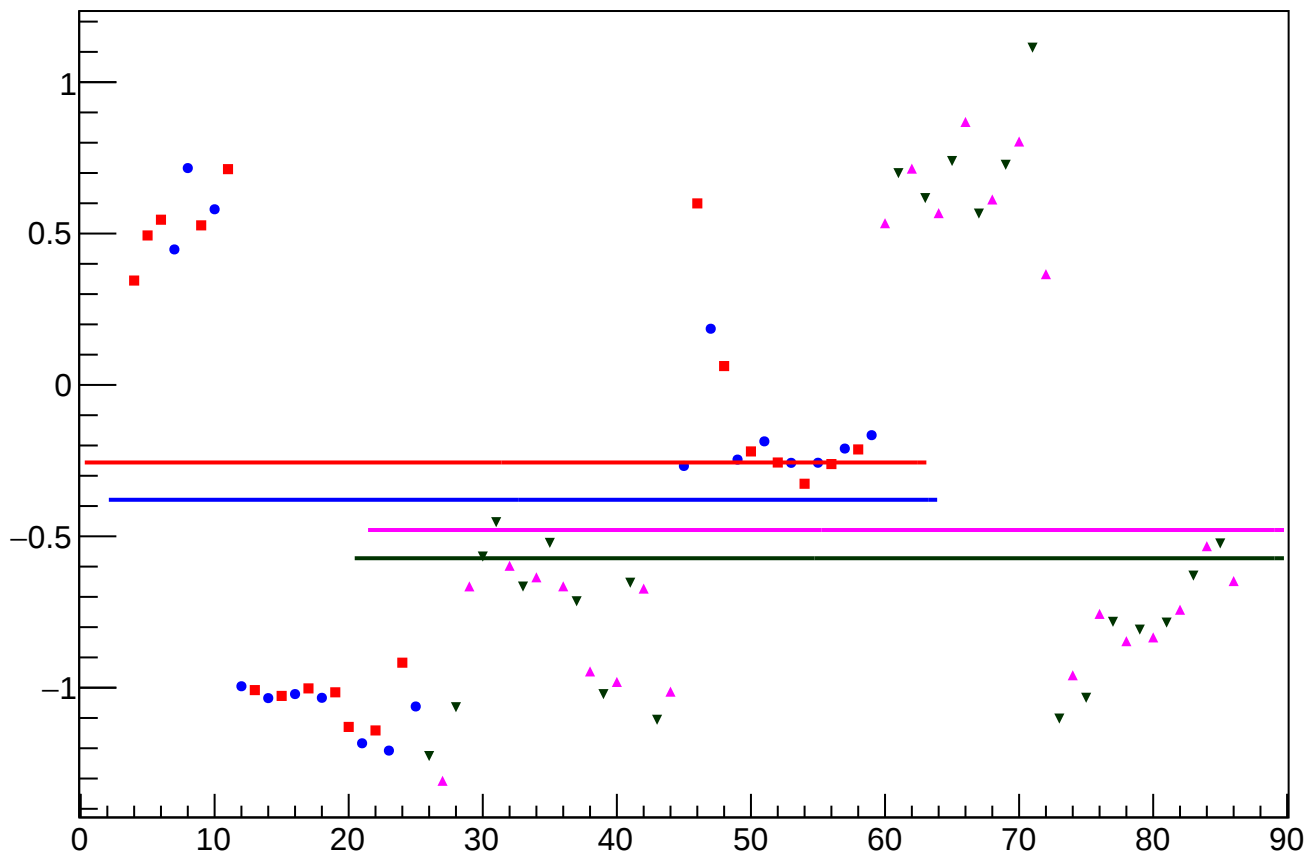
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 101222.8/18

Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:1316406.3/22

0.008 $\pm$ 0.000 χ^2 /NDF: 2295166.8/40

0.008 $\pm$ 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: -0.572+/-0.000 χ^2/NDF : 23297669657.7/22

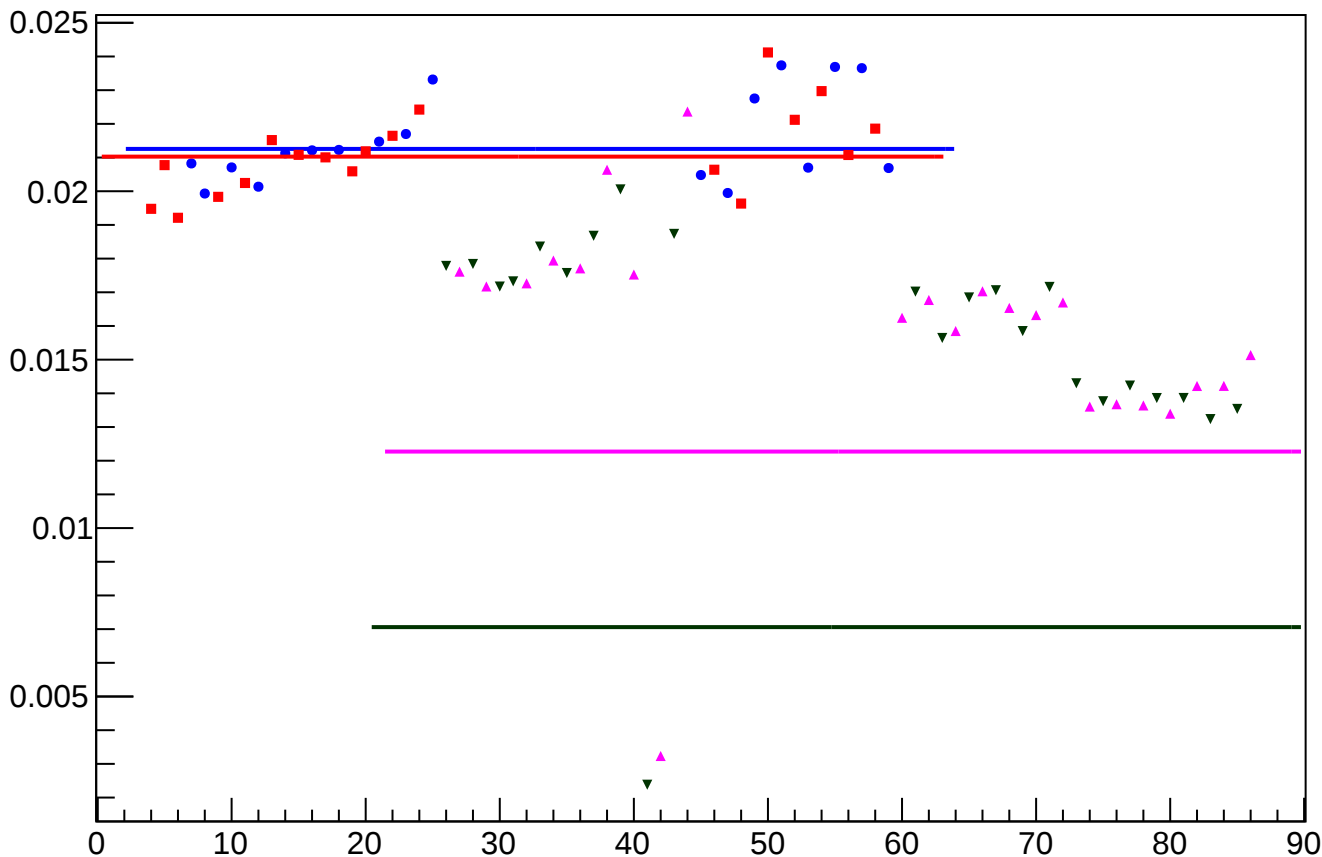
Right Out: -0.256+/-0.000 χ^2/NDF : 10103342122.6/18

Left In: -0.479+/-0.000 χ^2/NDF : 22071984258.7/22

-0.541+/-0.000 χ^2/NDF : 34196326489.3/40

-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 : 10738012.5/22

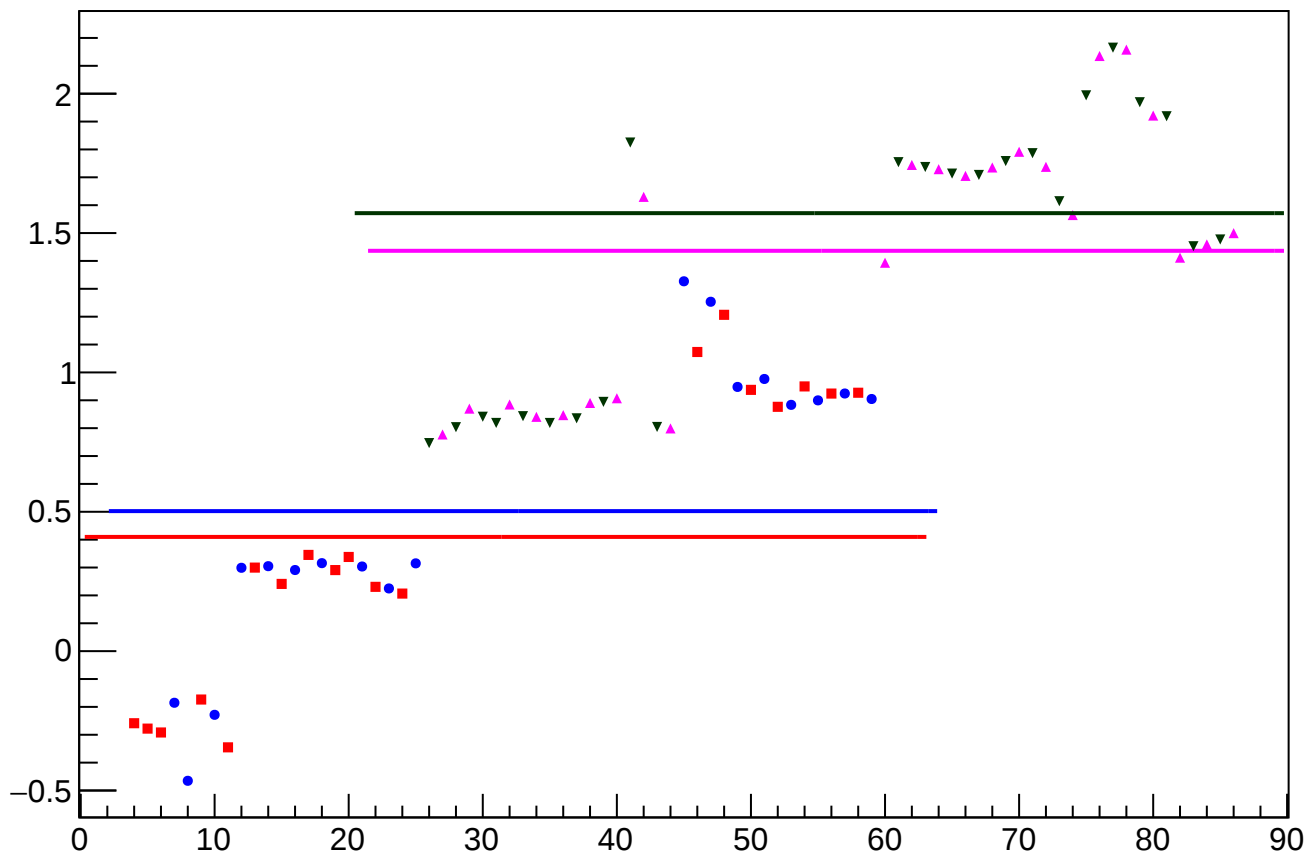
0.009+/-0.000 χ^2/NDF : 19040688.0/40

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 ± 0.000 χ^2/NDF : 19155654908.3/17

Left Out: 1.571 ± 0.000 χ^2/NDF : 26295159195.6/22

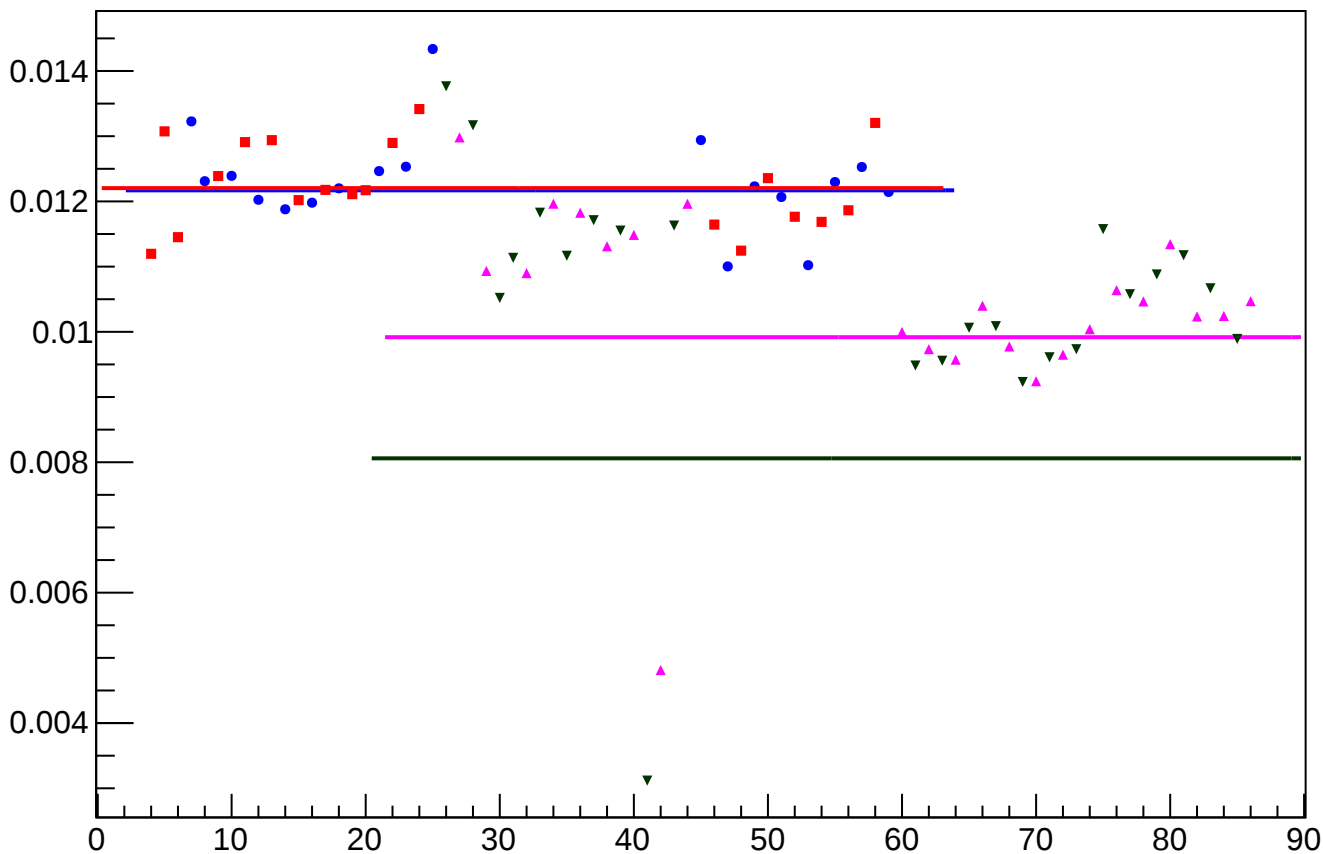
Right Out: 0.410 ± 0.000 χ^2/NDF : 16439315084.0/18

Left In: 1.436 ± 0.000 χ^2/NDF : 21855046722.1/22

1.215 ± 0.000 χ^2/NDF : 101778335633.9/40

1.080 ± 0.000 χ^2/NDF : 82766563686.8/41

yield_bpm0l02Y_rms vs slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 45604.3/17

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:4026665.7/22

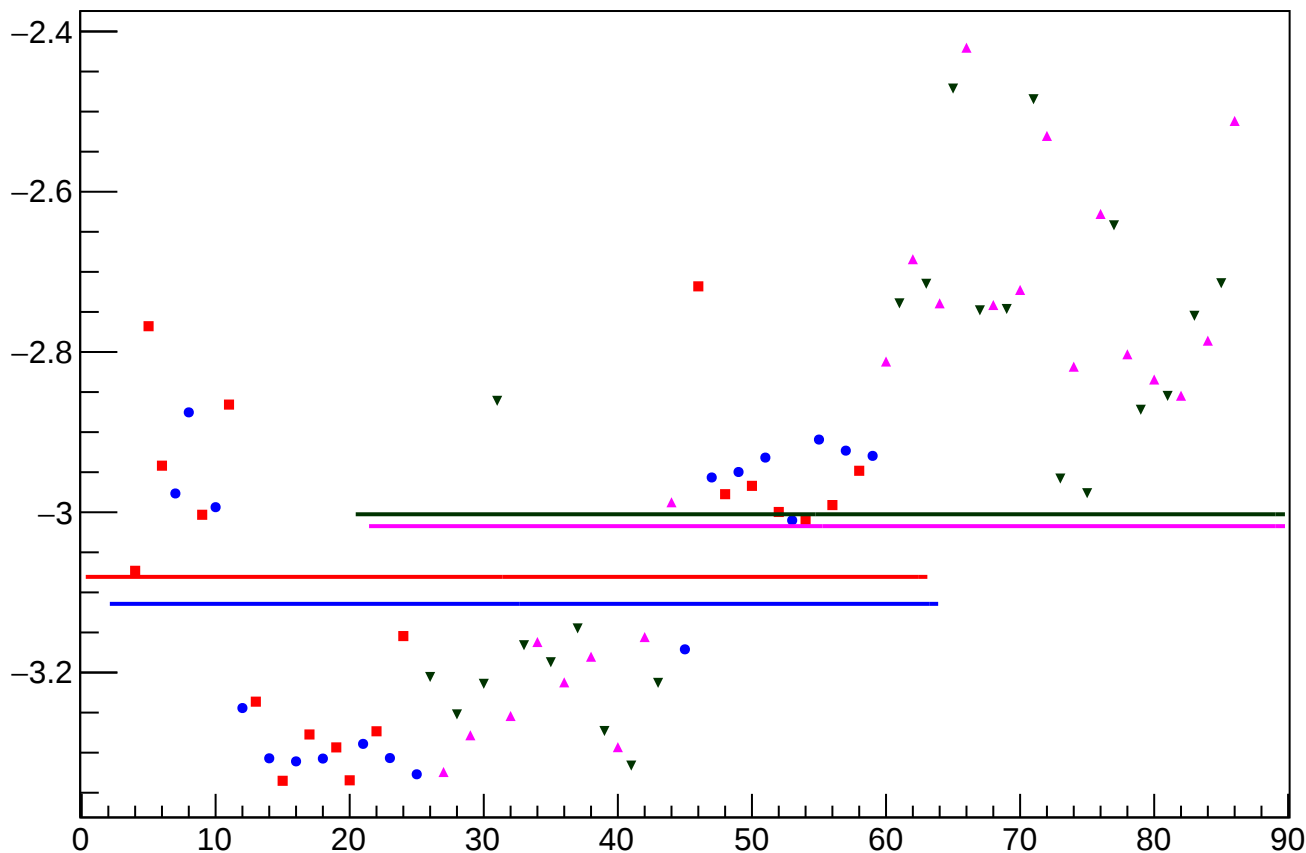
Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 53181.0/18

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:1024456.6/22

0.009 $\pm$ 0.000 χ^2 /NDF: 5737415.8/40

0.011 $\pm$ 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: -3.003+/-0.000 χ^2/NDF : 12494681083.7/22

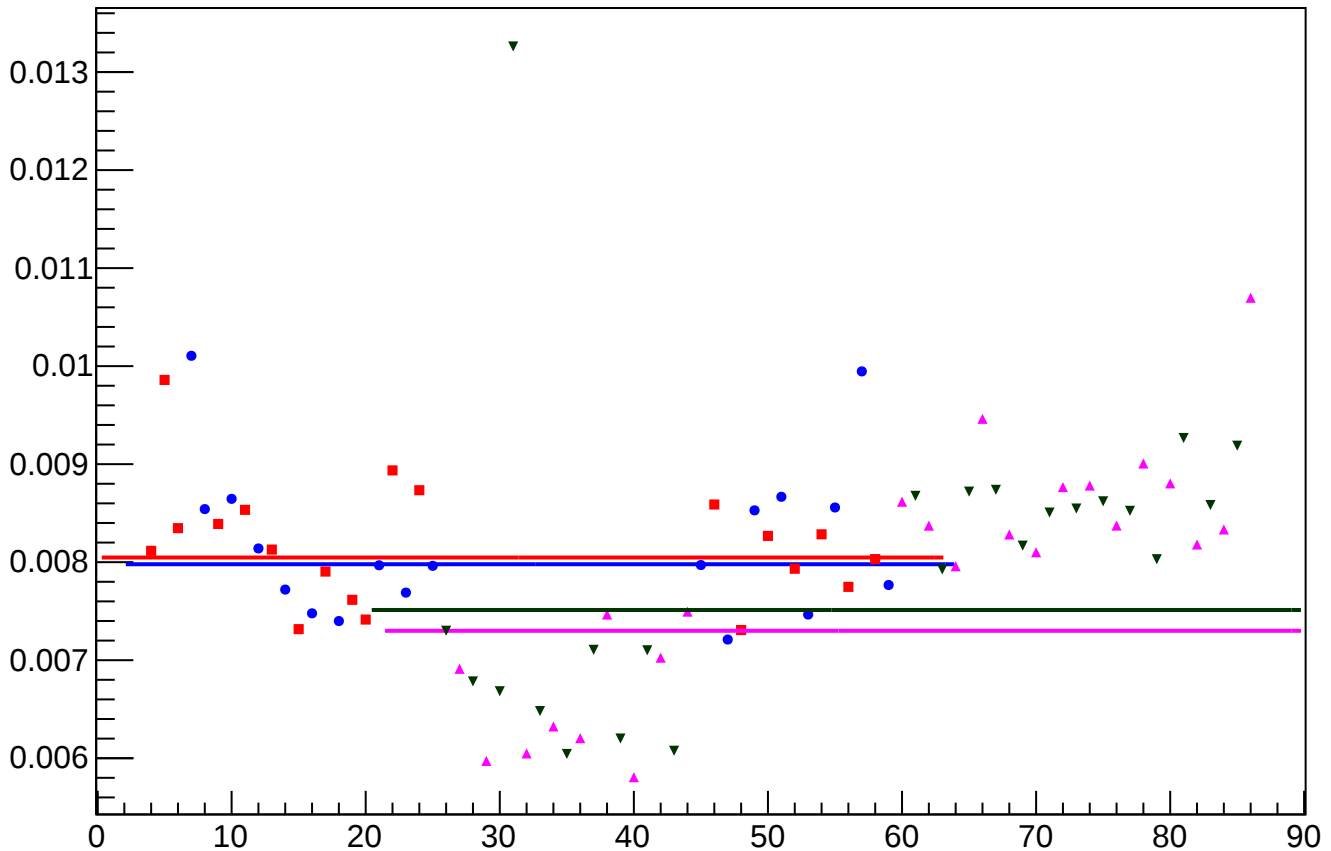
Right Out: -3.081+/-0.000 χ^2/NDF : 3839311184.0/18

Left In: -3.017+/-0.000 χ^2/NDF : 15090142723.4/22

-3.053+/-0.000 χ^2/NDF : 18150559905.9/40

-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 : 508333.6/22

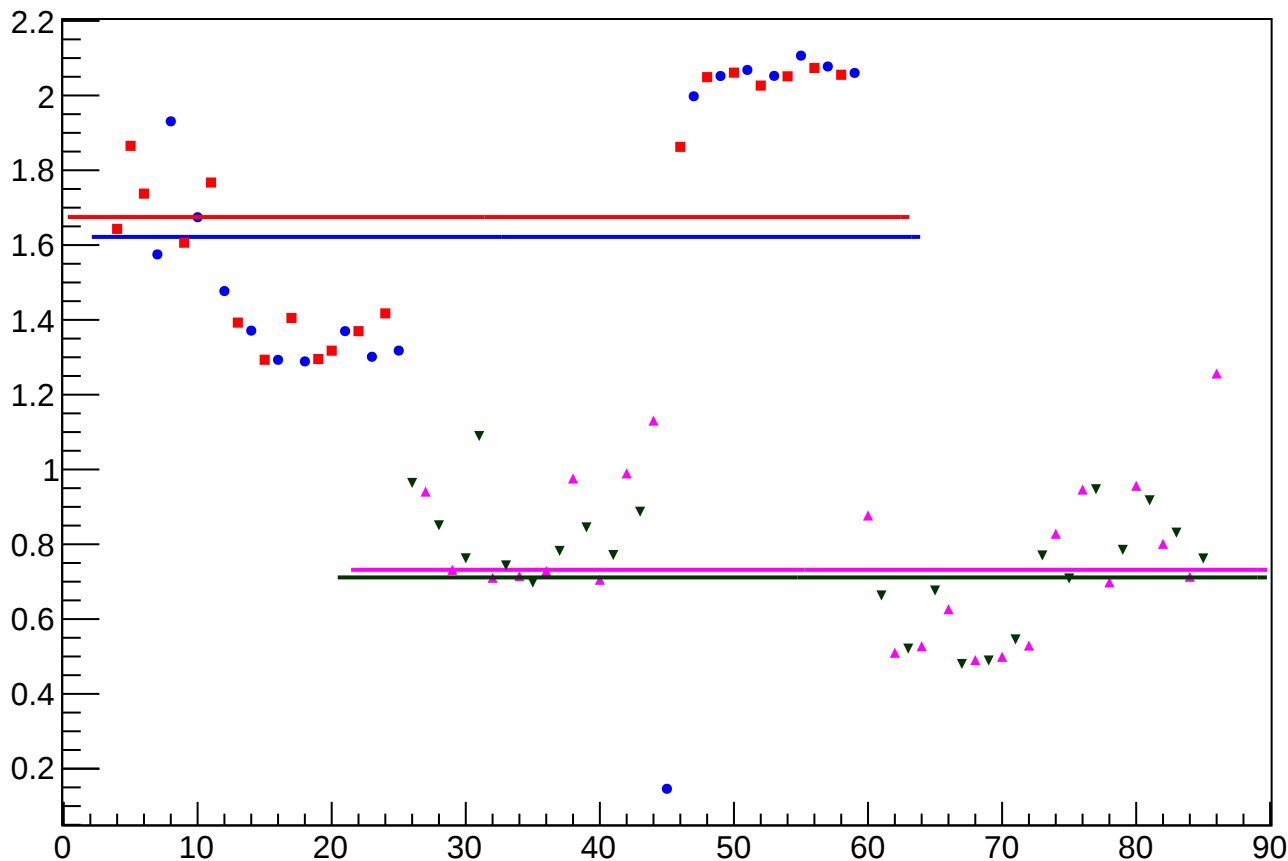
Right Out: 0.008+/-0.000 χ^2/NDF : 57509.8/18

Left In: 0.007+/-0.000 χ^2/NDF : 588856.3/22

0.008+/-0.000 χ^2/NDF : 639414.0/40

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: 0.711 $\pm$ 0.000 χ^2 /NDF: 4290512103.2/22

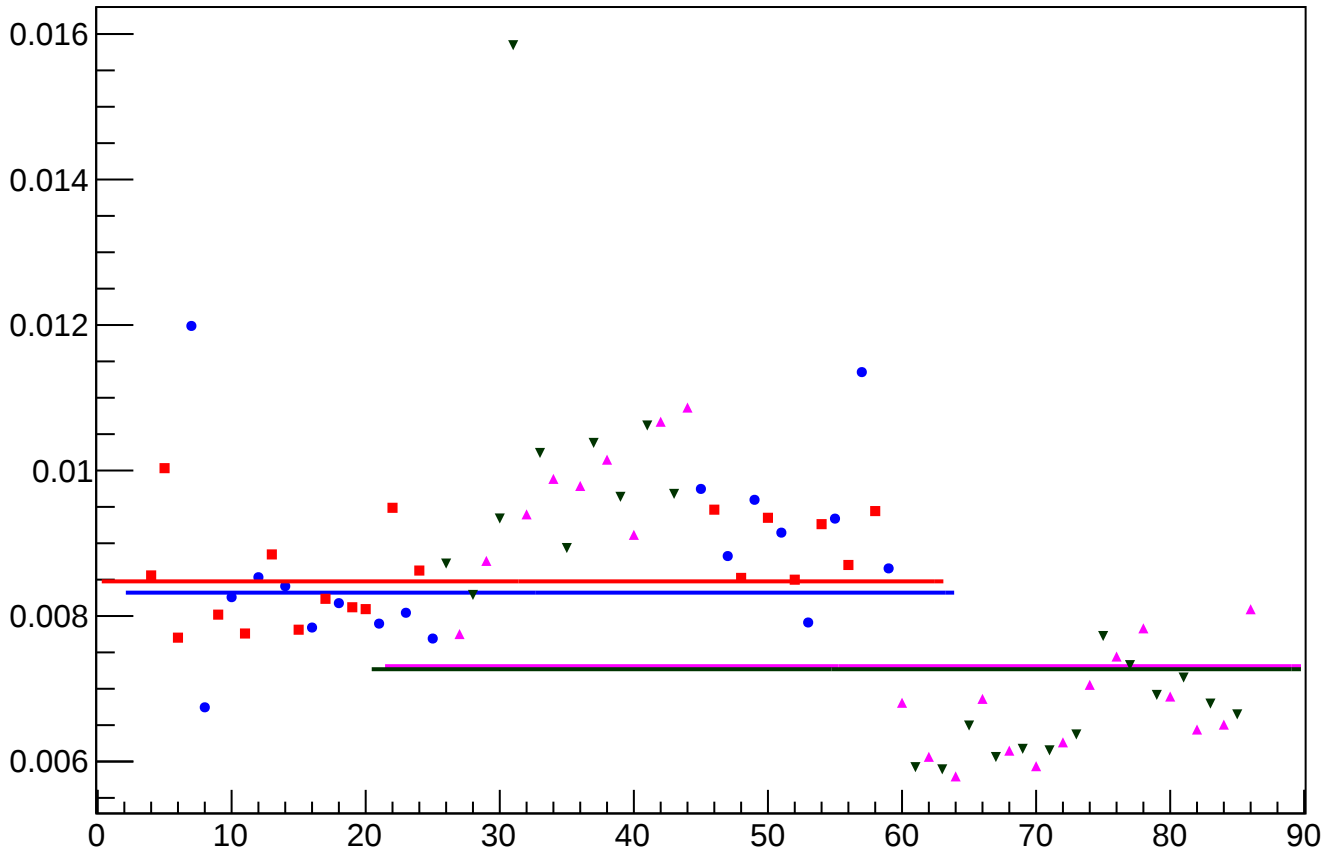
1.093 $\pm$ 0.000 χ^2 /NDF: 95362583803.4/40

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+/-0.000 χ^2/NDF : 231289.2/17

Left Out: 0.007+/-0.000 χ^2/NDF : 885747.1/22

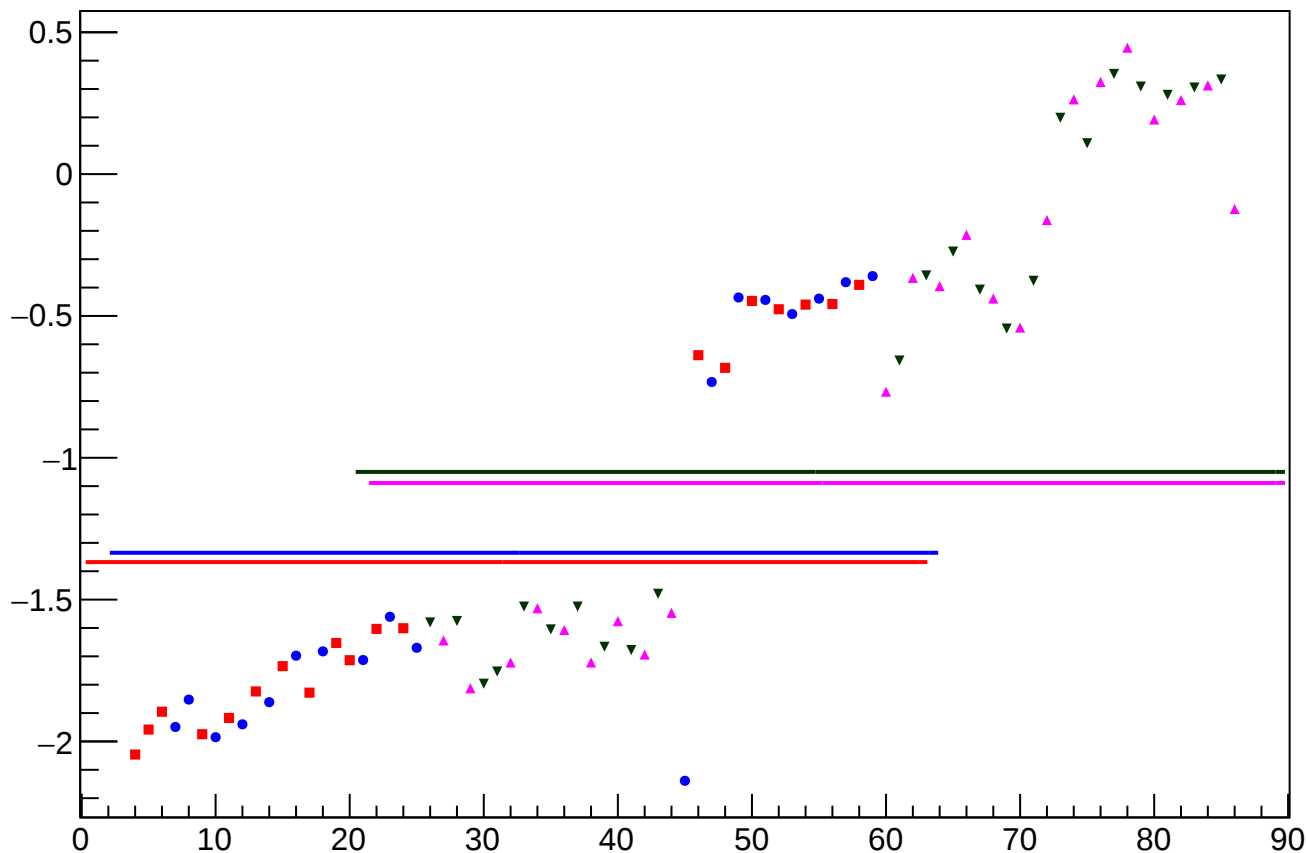
Right Out: 0.008+/-0.000 χ^2/NDF : 80155.6/18

Left In: 0.007+/-0.000 χ^2/NDF : 781506.8/22

0.008+/-0.000 χ^2/NDF : 1290941.5/40

0.008+/-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 : 35201457444.5/22

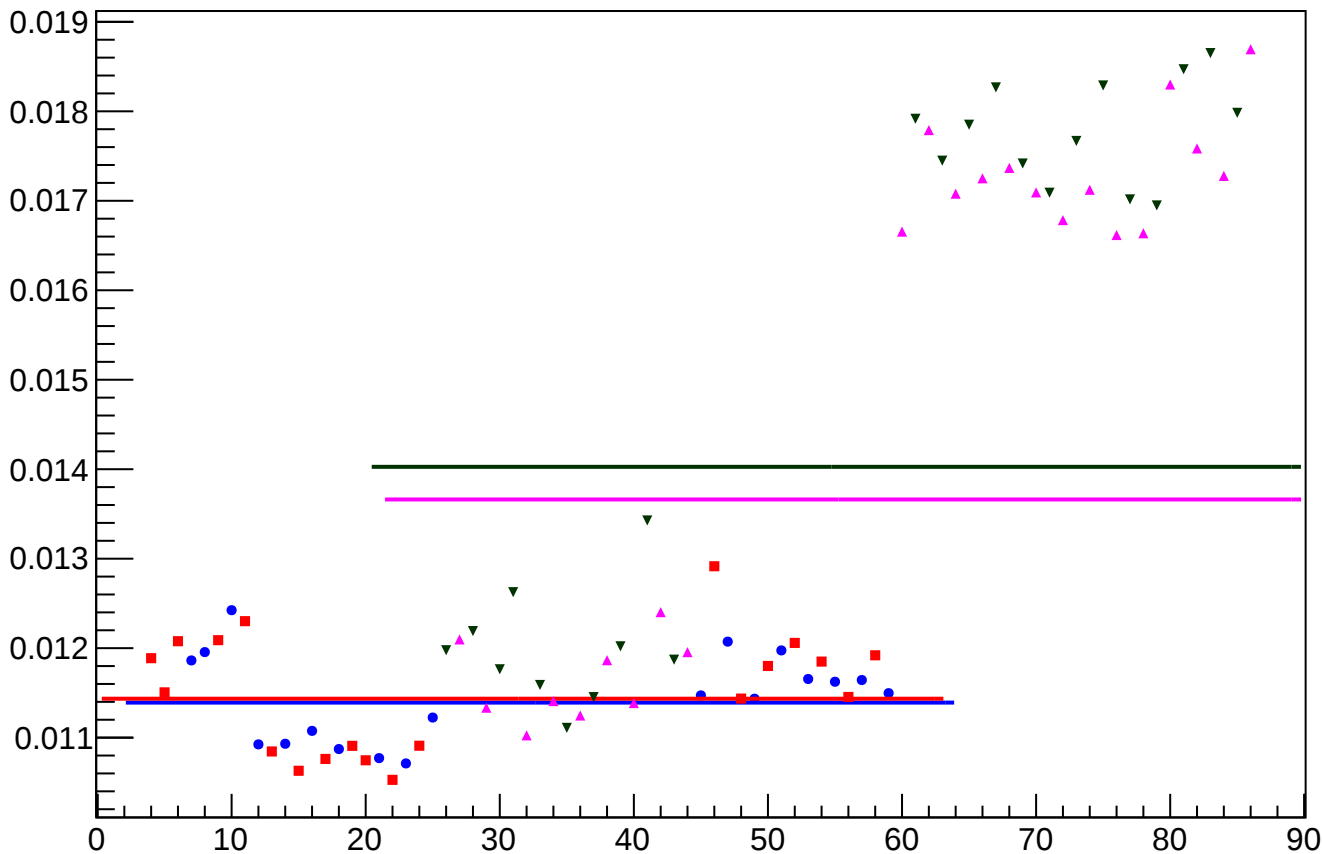
Right Out: -1.368+/-0.000 χ^2/NDF : 29057521992.7/18

Left In: -1.089+/-0.000 χ^2/NDF : 41699620544.1/22

-1.221+/-0.000 χ^2/NDF : 76385945175.1/40

-1.237+/-0.000 χ^2/NDF : 73480110295.8/41

yield_bpm0l04X_rms vs slug



Right In: 0.011 $\pm$ 0.000 χ^2/NDF : 41989.4/17

Left Out: 0.014 $\pm$ 0.000 χ^2/NDF : 919438.7/22

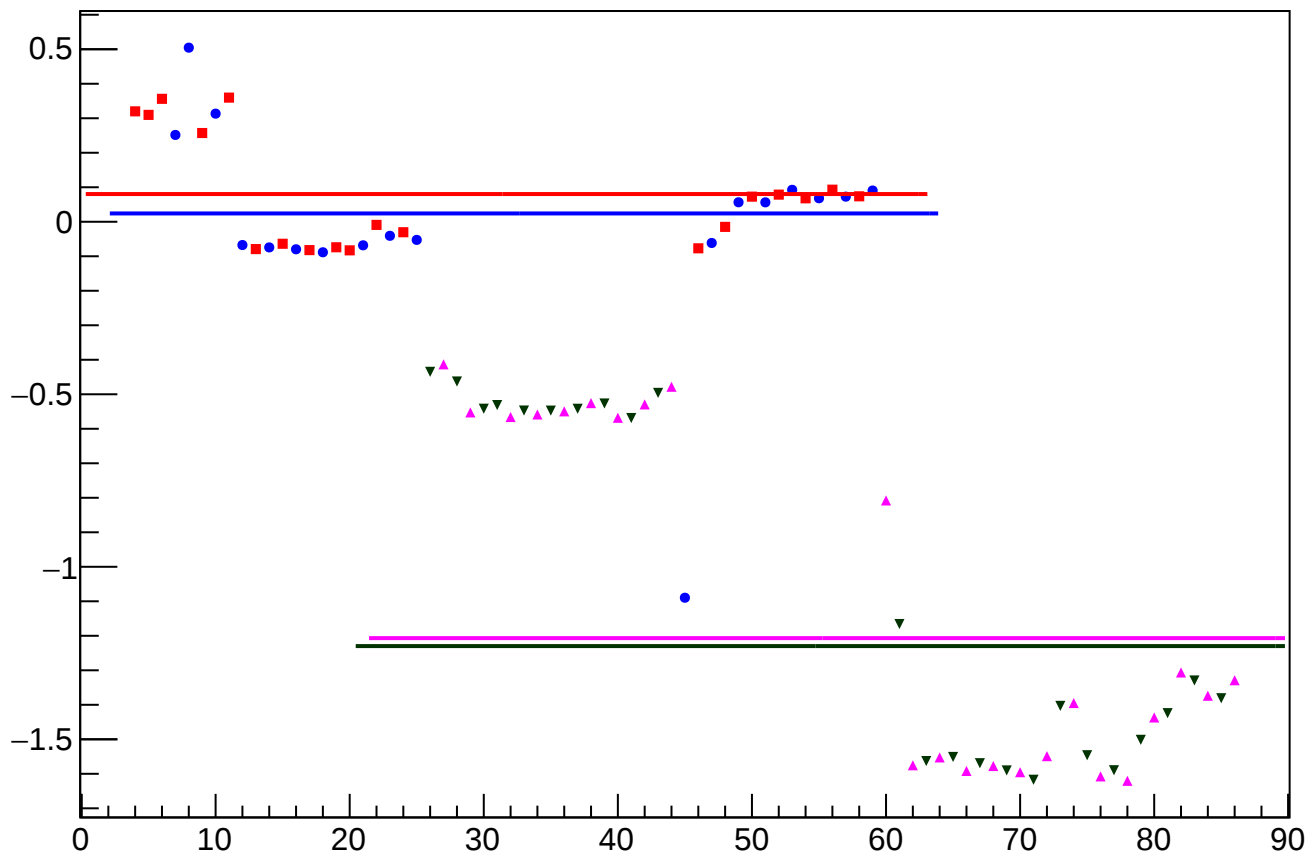
Right Out: 0.011 $\pm$ 0.000 χ^2/NDF : 65676.1/18

Left In: 0.014 $\pm$ 0.000 χ^2/NDF : 1021570.4/22

0.012 $\pm$ 0.000 χ^2/NDF : 1437809.2/40

0.012 $\pm$ 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: -1.230+/-0.000 χ^2/NDF : 57819319047.2/22

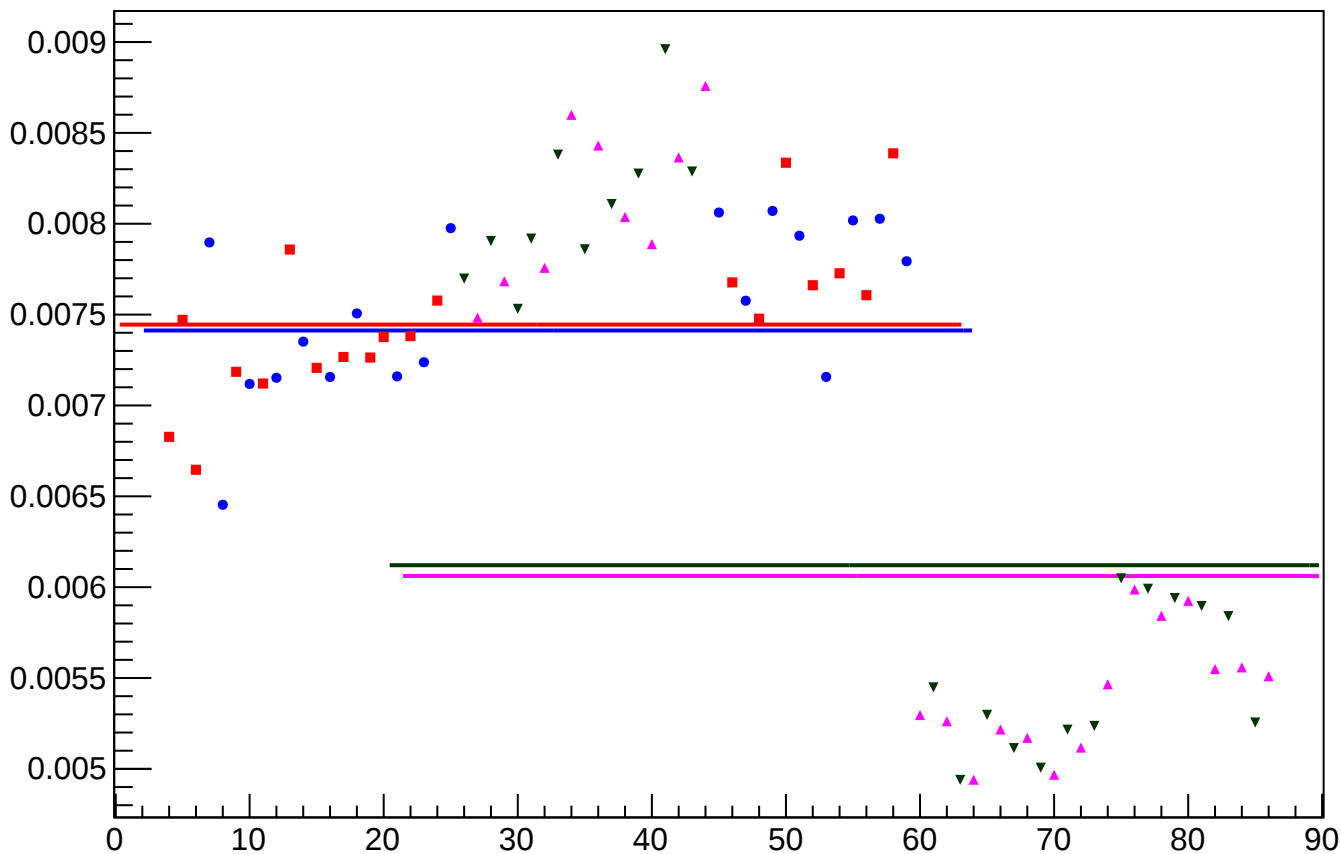
Right Out: 0.080+/-0.000 χ^2/NDF : 4561023053.2/18

Left In: -1.207+/-0.000 χ^2/NDF : 66021877523.9/22

-0.727+/-0.000 χ^2/NDF : 262772062570.4/40

-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 : 899373.8/22

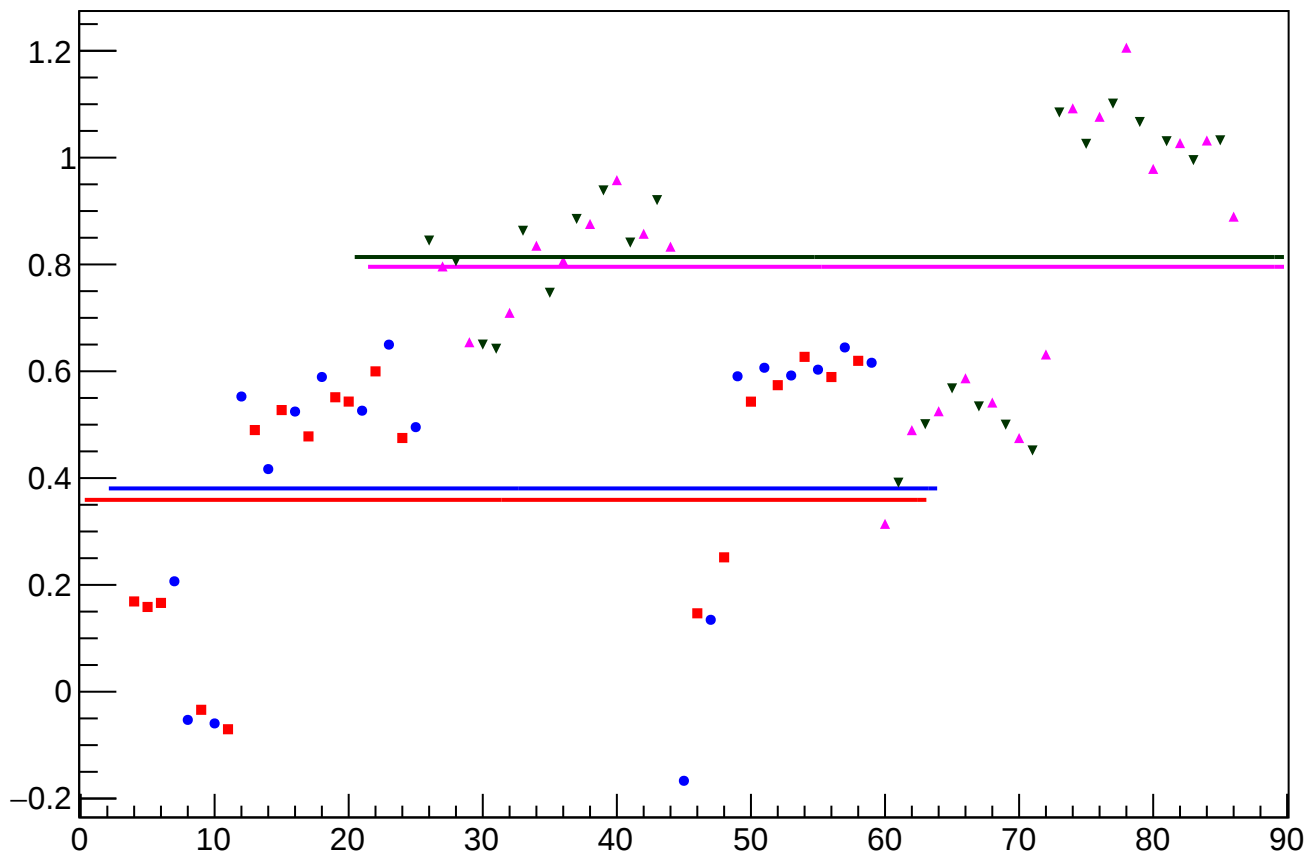
Right Out: 0.007+/-0.000 χ^2/NDF : 61122.7/18

Left In: 0.006+/-0.000 χ^2/NDF : 941569.2/22

0.007+/-0.000 χ^2/NDF : 1386819.6/40

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: 0.814+/-0.000 χ^2/NDF : 10606254784.2/22

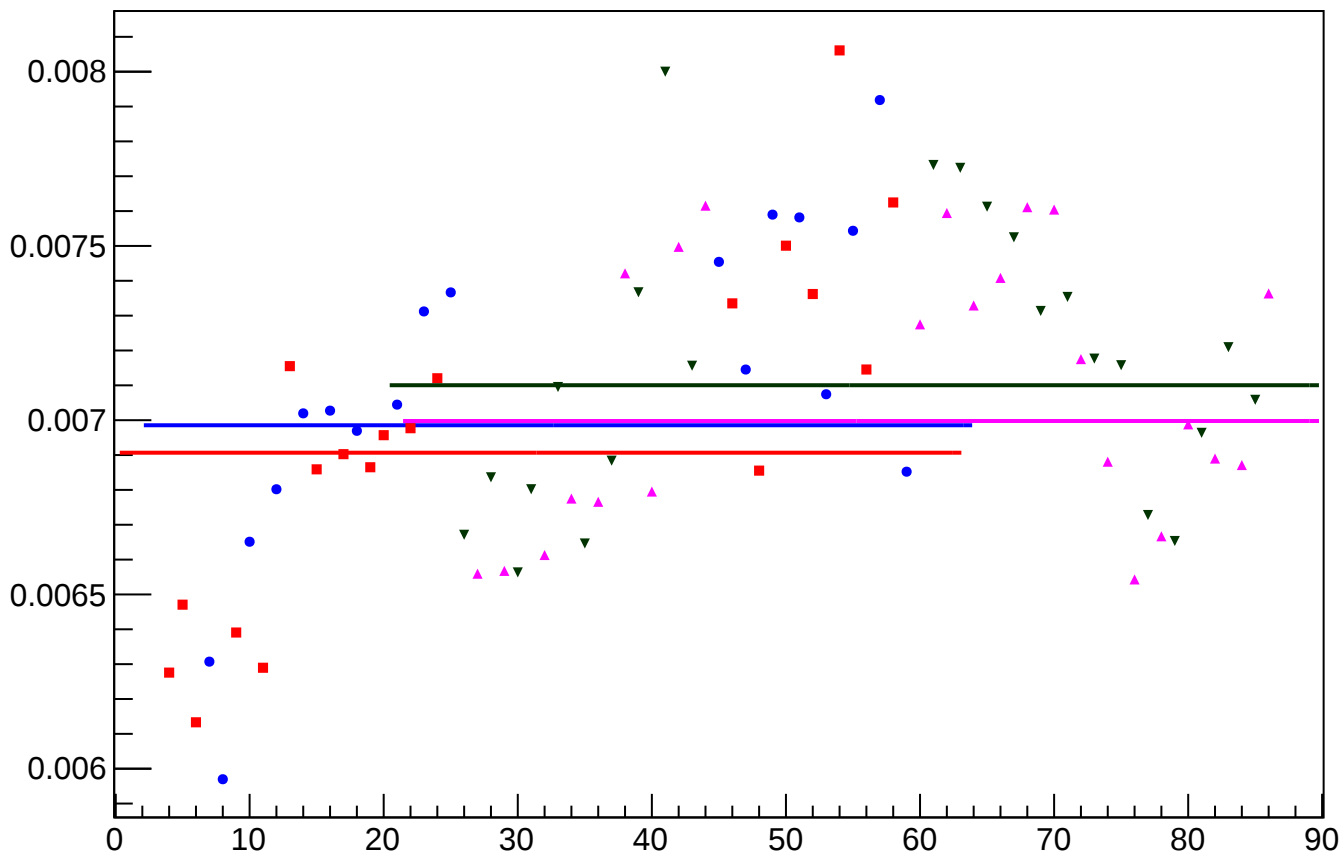
Right Out: 0.359+/-0.000 χ^2/NDF : 11904326957.3/18

Left In: 0.796+/-0.000 χ^2/NDF : 12174360706.5/22

0.600+/-0.000 χ^2/NDF : 49756311607.4/40

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 : 67012.1/22

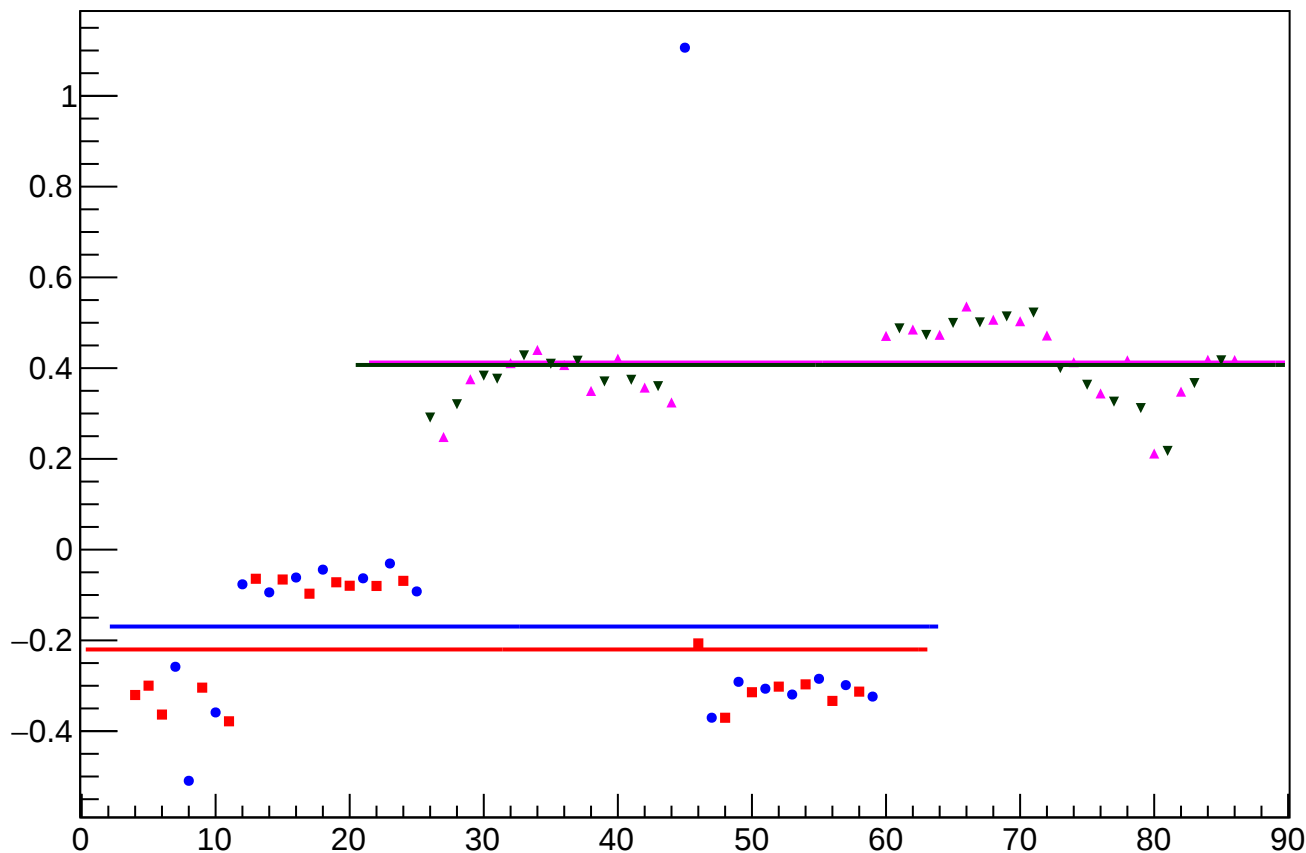
Right Out: 0.007+/-0.000 χ^2/NDF : 97555.6/18

Left In: 0.007+/-0.000 χ^2/NDF : 75943.5/22

0.007+/-0.000 χ^2/NDF : 177174.1/40

0.007+/-0.000 χ^2/NDF : 175378.0/41

yield_bpm0l05Y_mean vs slug



Right In: -0.169+/-0.000 χ^2/NDF : 37135565875.9/17

Left Out: 0.407+/-0.000 χ^2/NDF :3191952910.0/22

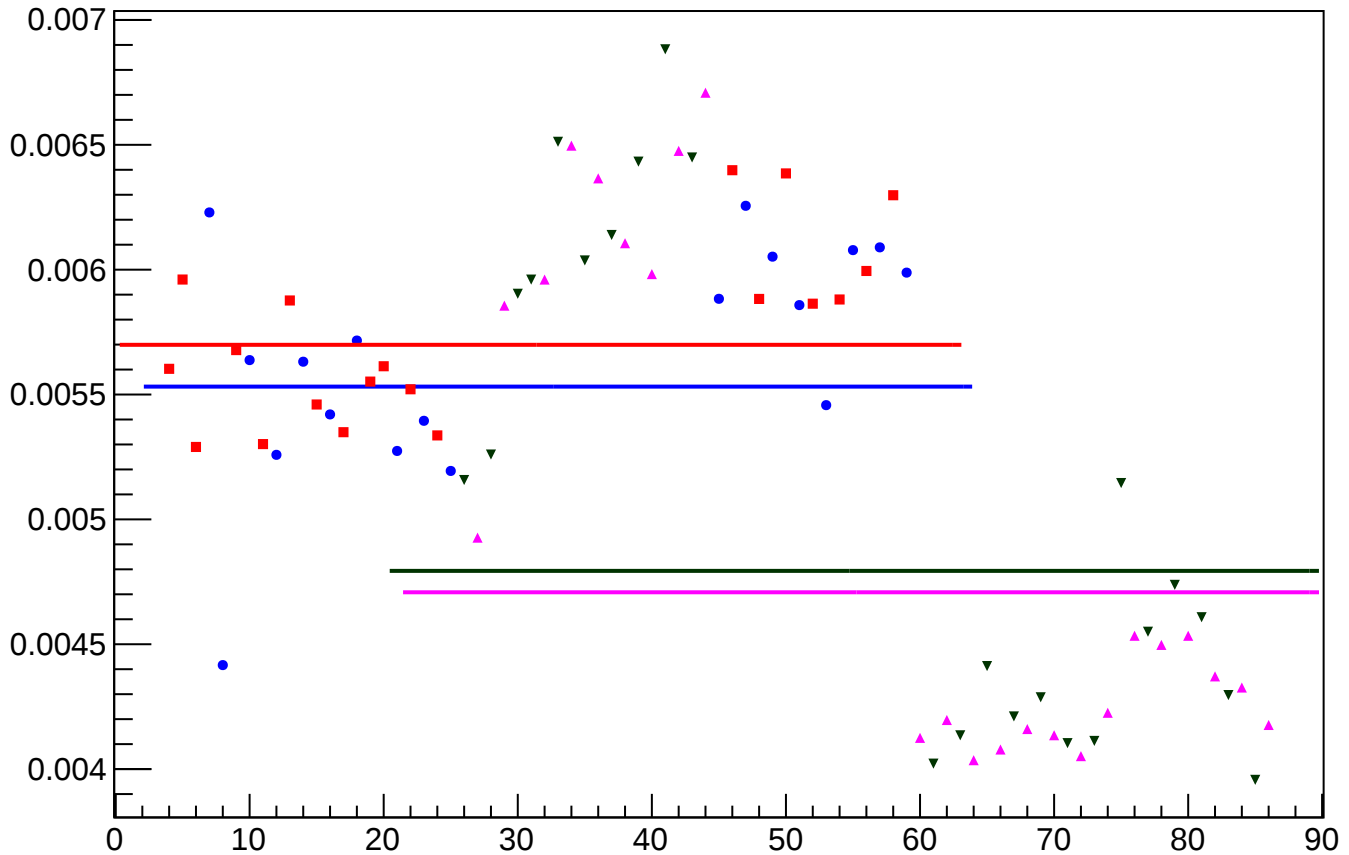
Right Out: -0.220+/-0.000 χ^2/NDF : 4721801975.9/18

Left In: 0.412+/-0.000 χ^2/NDF :3798432345.6/22

0.164+/-0.000 χ^2/NDF : 107997904636.3/40

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 : 704946.9/22

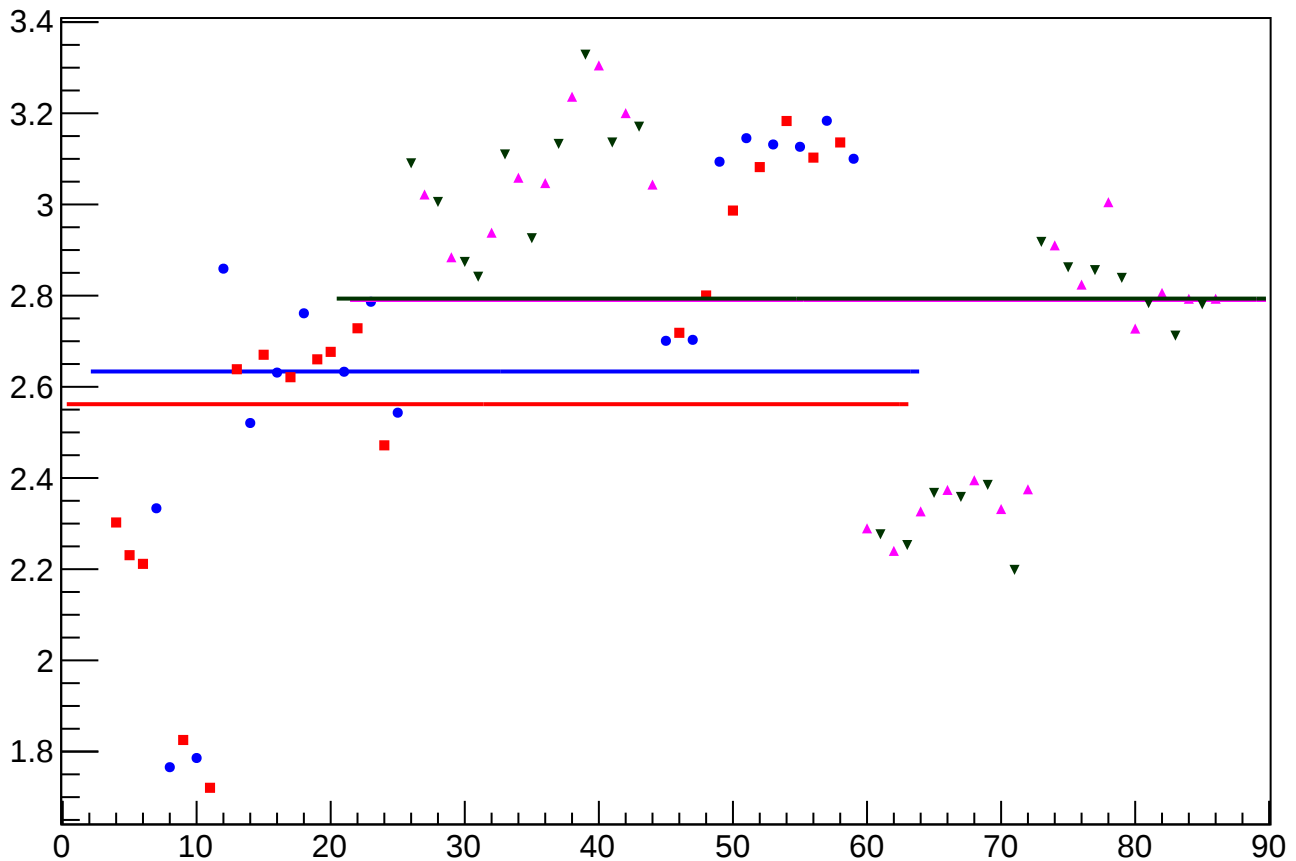
Right Out: 0.006+/-0.000 χ^2/NDF : 66415.4/18

Left In: 0.005+/-0.000 χ^2/NDF : 740581.8/22

0.005+/-0.000 χ^2/NDF : 1113718.5/40

0.005+/-0.000 χ^2/NDF : 1181541.3/41

yield_bpm0l06X_mean vs slug



Right In: 2.634 $\pm$ 0.000 χ^2 /NDF: 15879791998.3/17

Left Out: 2.794 $\pm$ 0.000 χ^2 /NDF: 12952780570.2/22

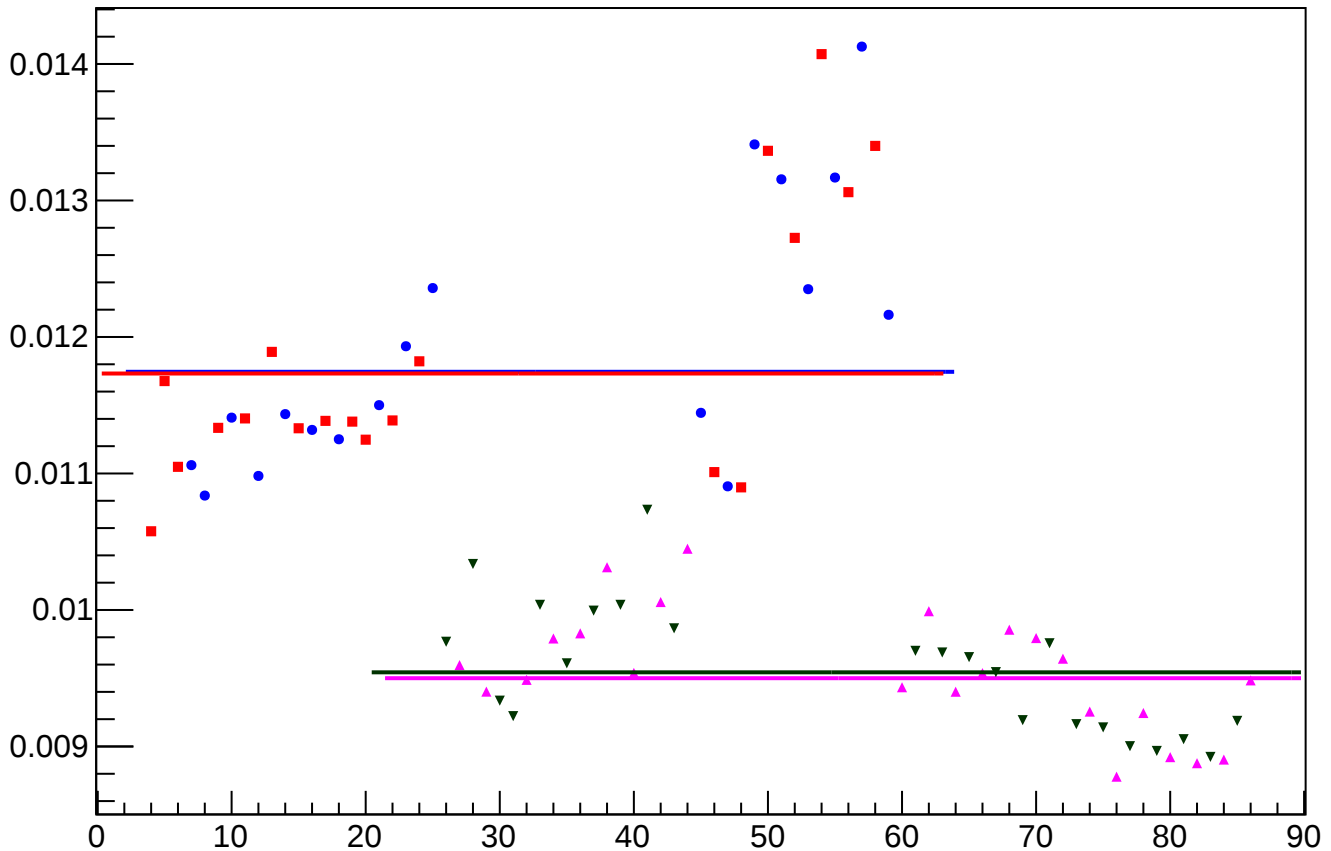
2.733 $\pm$ 0.000 χ^2 /NDF: 30085689980.2/40

Right Out: 2.562 $\pm$ 0.000 χ^2 /NDF: 12349960173.0/18

2.714 $\pm$ 0.000 χ^2 /NDF: 27995970434.2/41

Left In: 2.790 $\pm$ 0.000 χ^2 /NDF: 13213194544.0/22

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: 55784.8/22

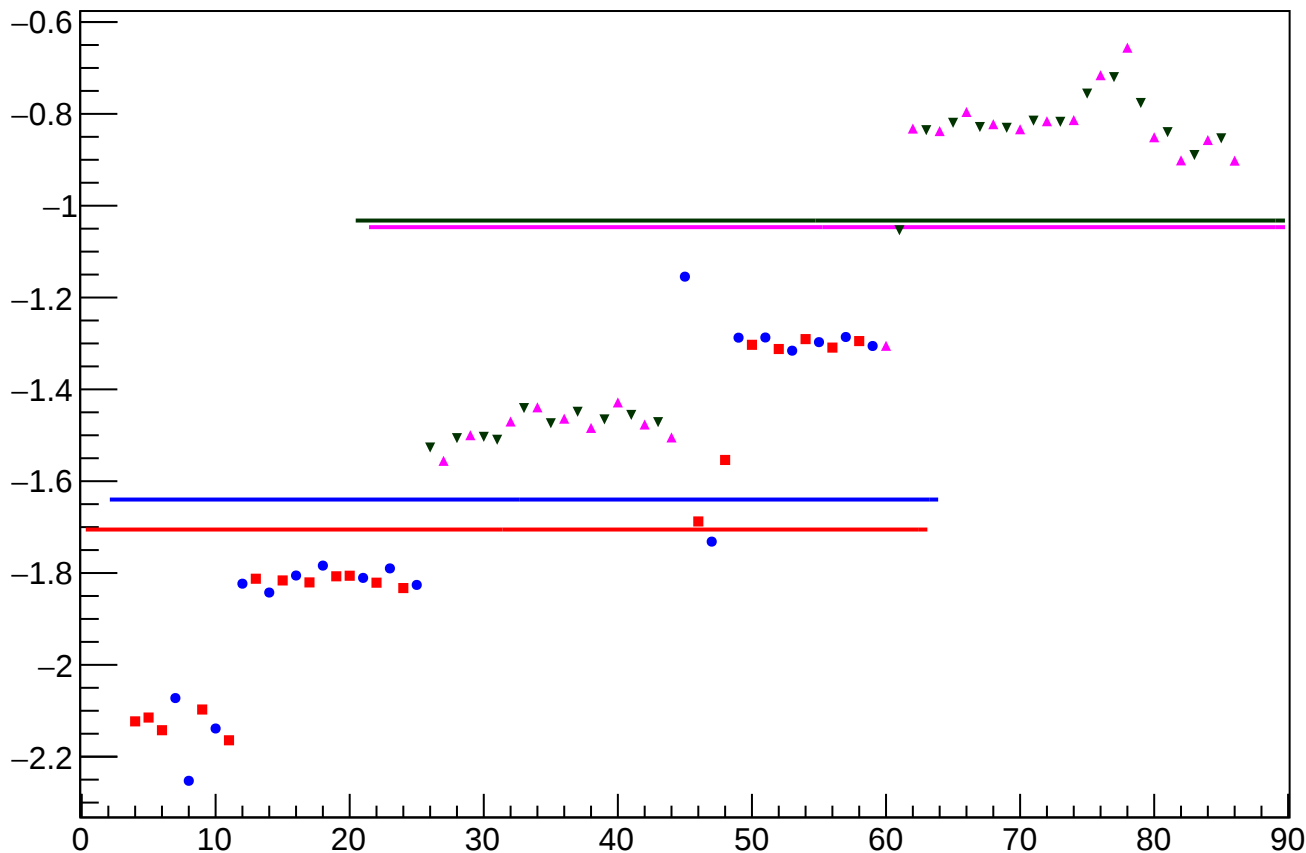
0.010 $\pm$ 0.000 χ^2 /NDF: 648535.1/40

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 107336.5/18

0.010 $\pm$ 0.000 χ^2 /NDF: 619628.9/41

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 48198.6/22

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 : 53416855768.2/22

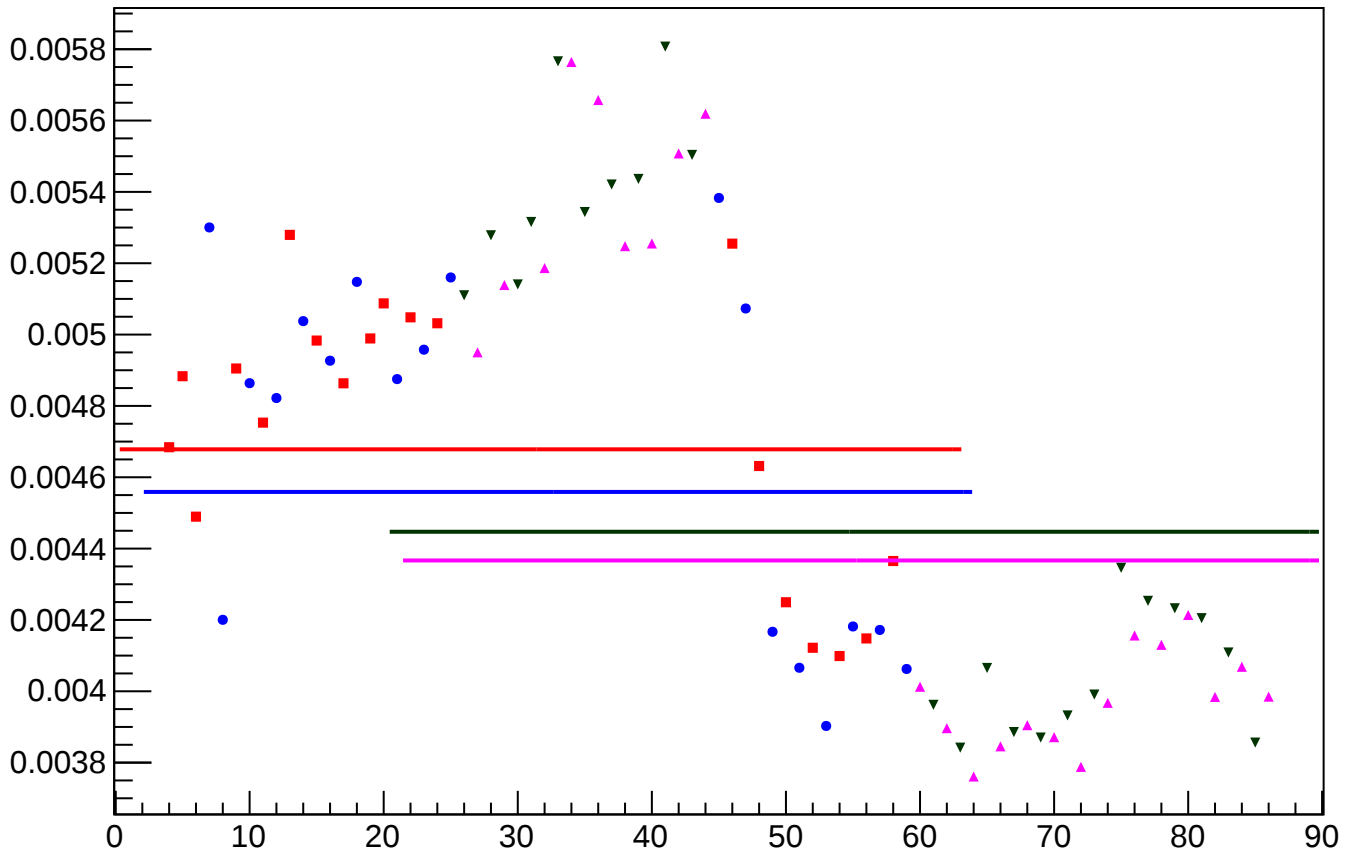
-1.322+/-0.000 χ^2/NDF : 218123157751.6/40

Right Out: -1.705+/-0.000 χ^2/NDF : 45414052250.2/18

-1.312+/-0.000 χ^2/NDF : 222355726616.9/41

Left In: -1.047+/-0.000 χ^2/NDF : 63704260206.4/22

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 : 497198.9/22

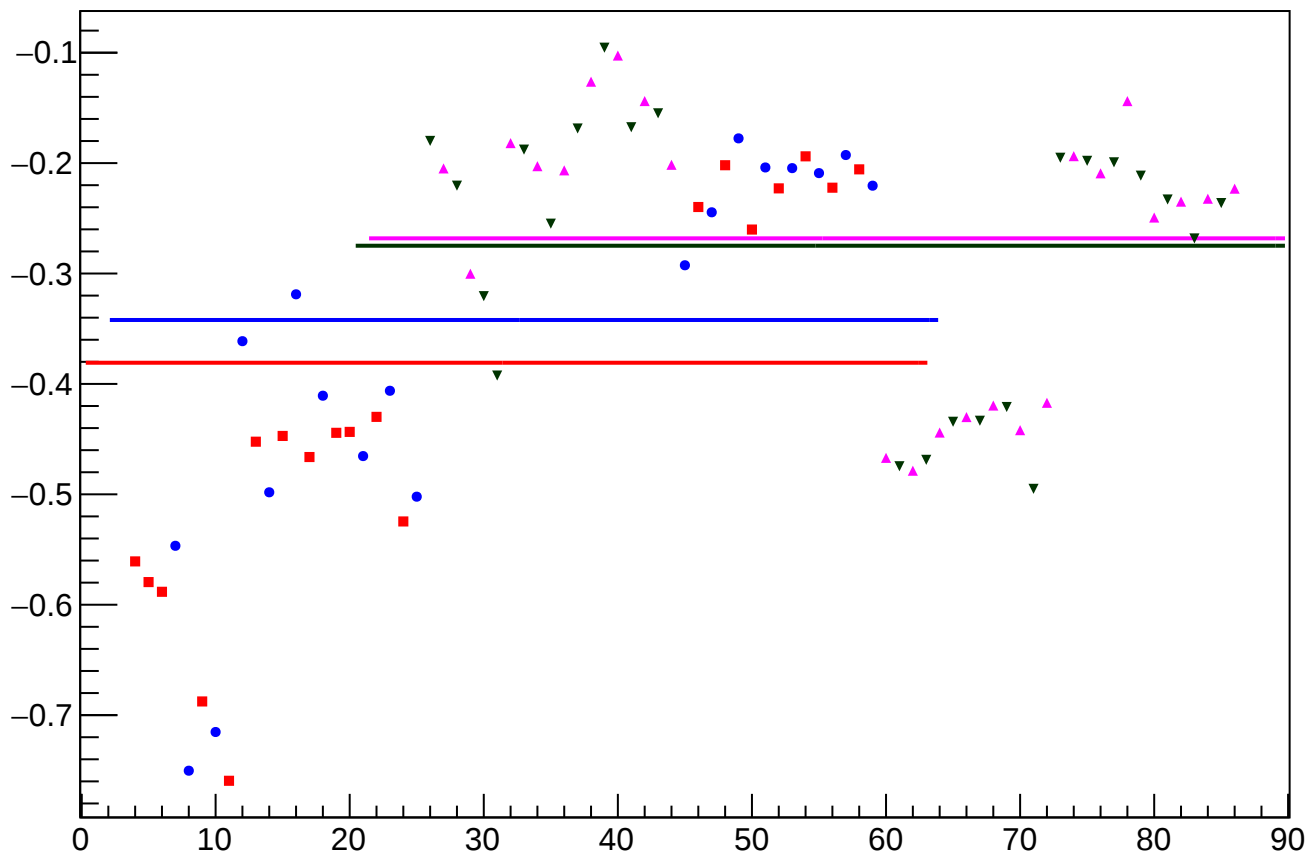
Right Out: 0.005+/-0.000 χ^2/NDF : 136426.0/18

Left In: 0.004+/-0.000 χ^2/NDF : 524491.5/22

0.005+/-0.000 χ^2/NDF : 732601.2/40

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: -0.275+/-0.000 χ^2/NDF : 775378888.5/22

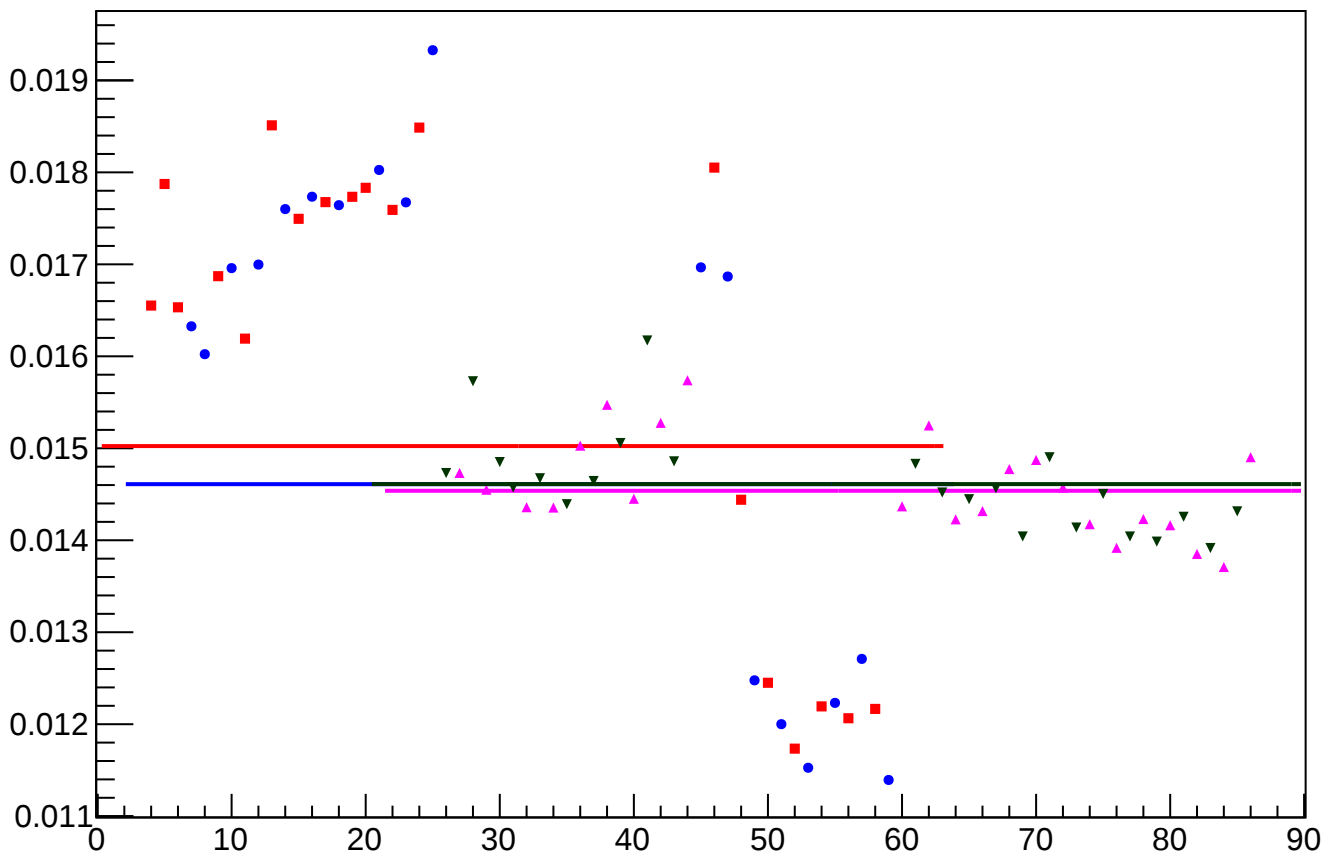
Right Out: -0.381+/-0.000 χ^2/NDF : 1387002500.9/18

Left In: -0.268+/-0.000 χ^2/NDF : 799174124.2/22

-0.307+/-0.000 χ^2/NDF : 2564035376.2/40

-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 : 30648.3/22

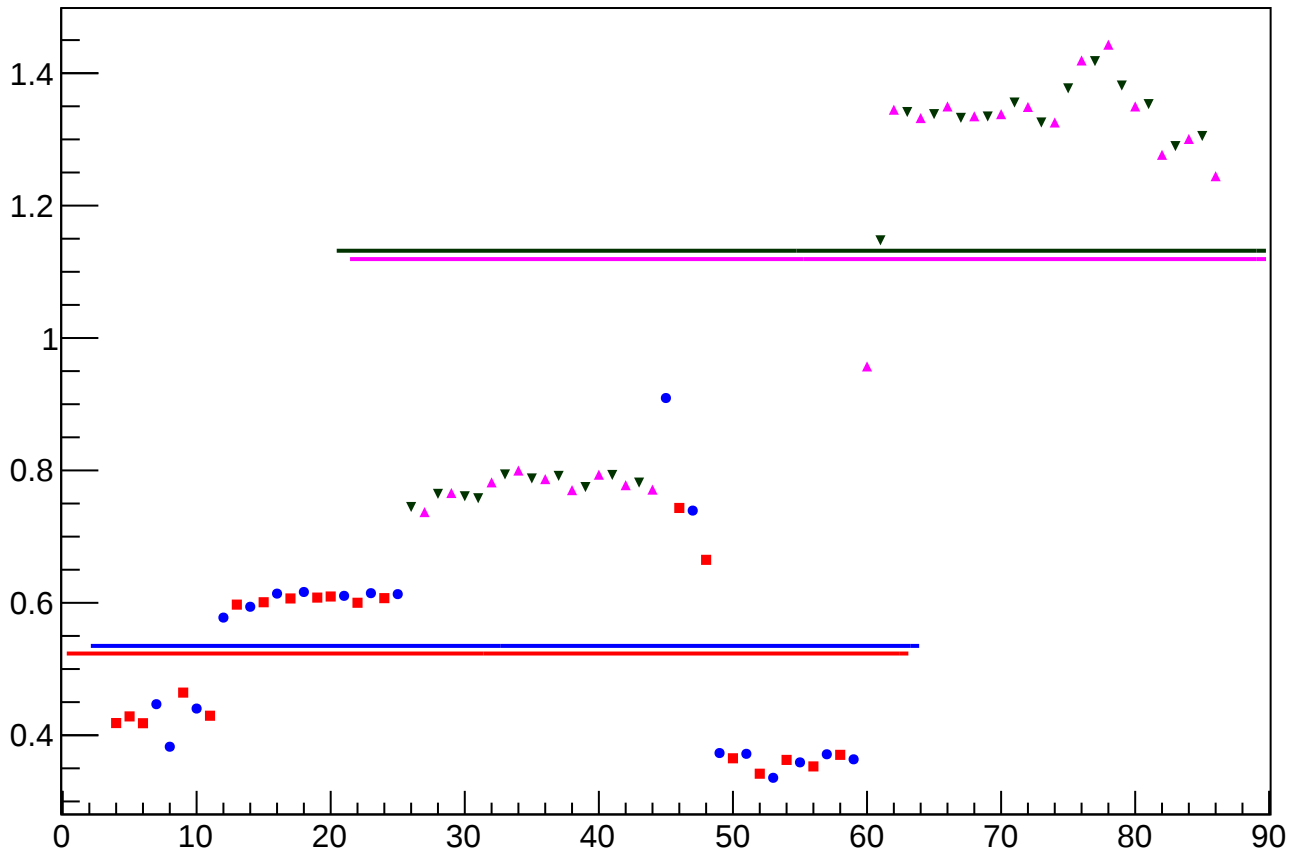
Right Out: 0.015+/-0.000 χ^2/NDF : 573783.3/18

Left In: 0.015+/-0.000 χ^2/NDF : 28845.7/22

0.015+/-0.000 χ^2/NDF : 742575.0/40

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 : 99194290742.9/22

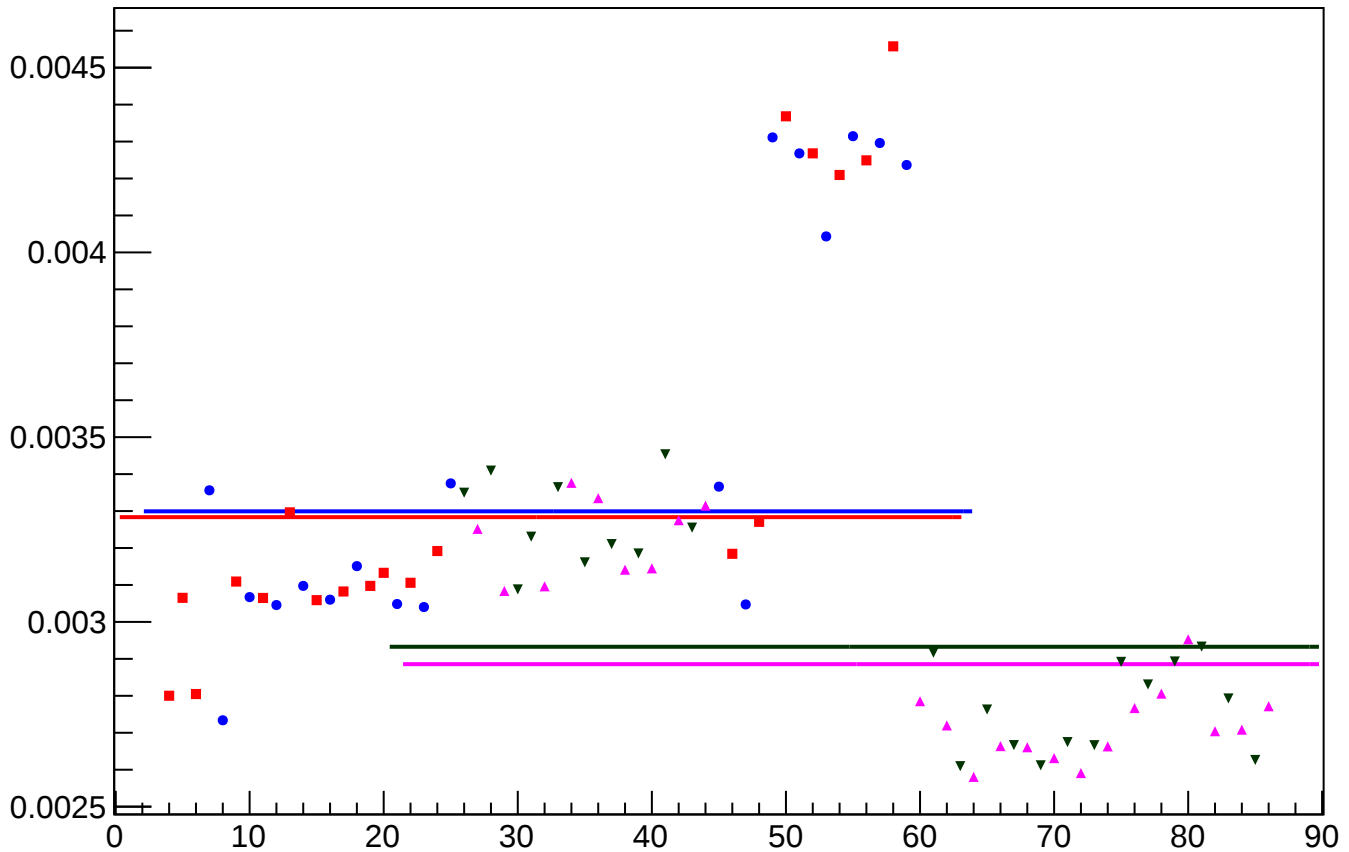
Right Out: 0.523 ± 0.000 χ^2/NDF : 11523934099.1/18

Left In: 1.119 ± 0.000 χ^2/NDF : 111657986296.2/22

0.879 ± 0.000 χ^2/NDF : 322865248086.8/40

0.900 ± 0.000 χ^2/NDF : 319969299801.6/41

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 : 205074.8/22

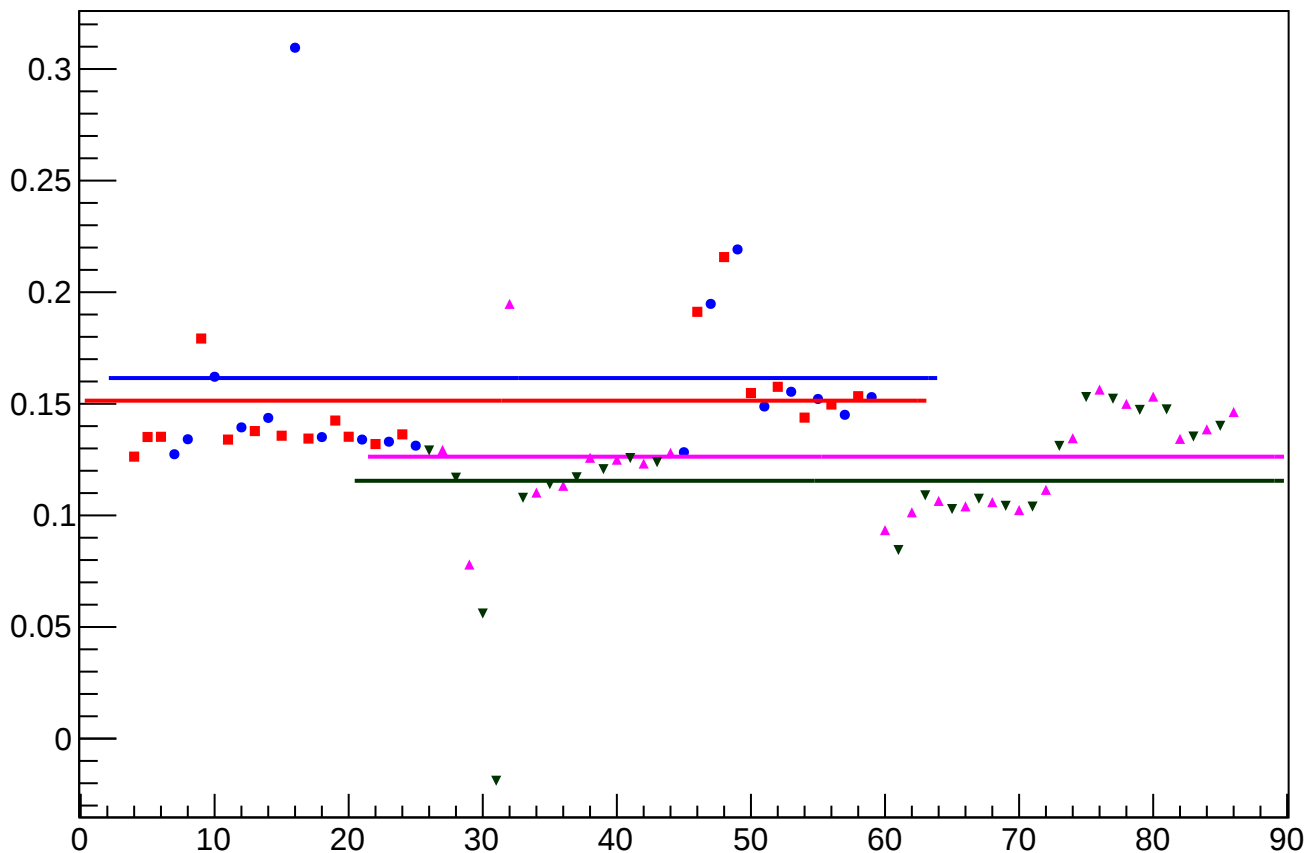
Right Out: 0.003 ± 0.000 χ^2/NDF : 382277.8/18

Left In: 0.003 ± 0.000 χ^2/NDF : 195790.1/22

0.003 ± 0.000 χ^2/NDF : 855327.6/40

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:67468221.9/22

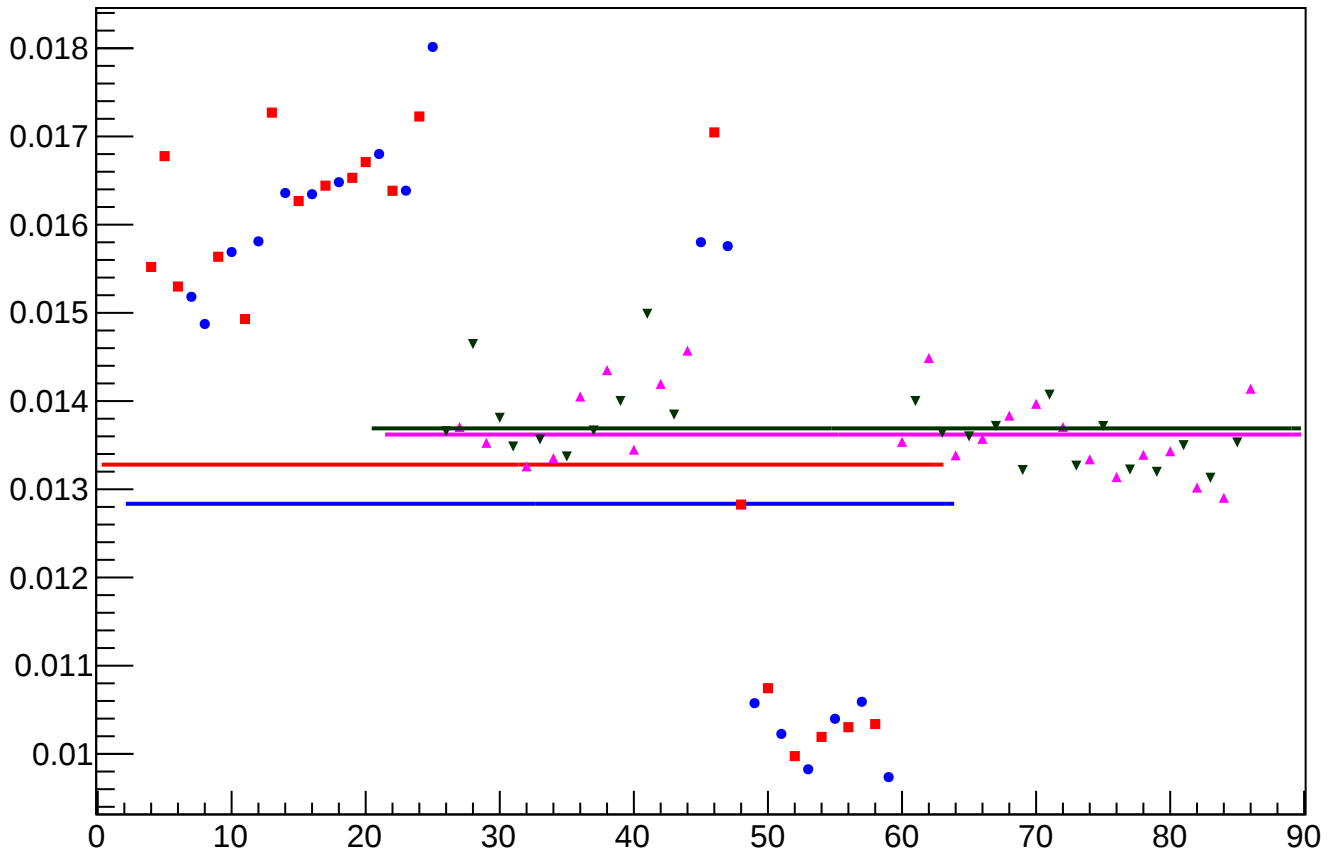
Right Out: 0.151 $\pm$ 0.000 χ^2 /NDF: 22463584.0/18

Left In: 0.126 $\pm$ 0.000 χ^2 /NDF:53964873.2/22

0.139 $\pm$ 0.000 χ^2 /NDF: 229250100.8/40

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 : 24707.9/22

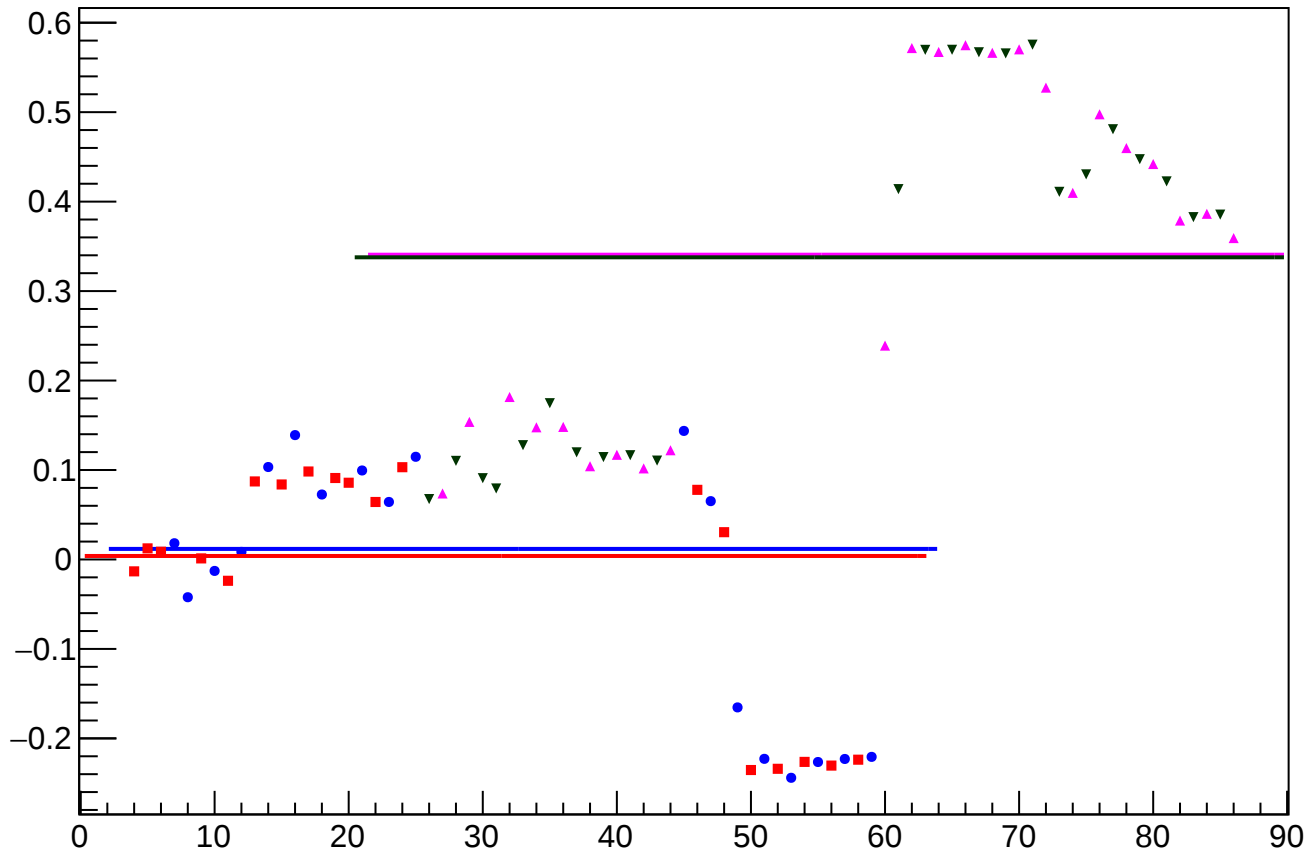
Right Out: 0.013+/-0.000 χ^2/NDF : 890007.3/18

Left In: 0.014+/-0.000 χ^2/NDF : 25727.3/22

0.013+/-0.000 χ^2/NDF : 1159167.2/40

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: 0.338 $\pm$ 0.000 χ^2 /NDF:45480715320.9/22

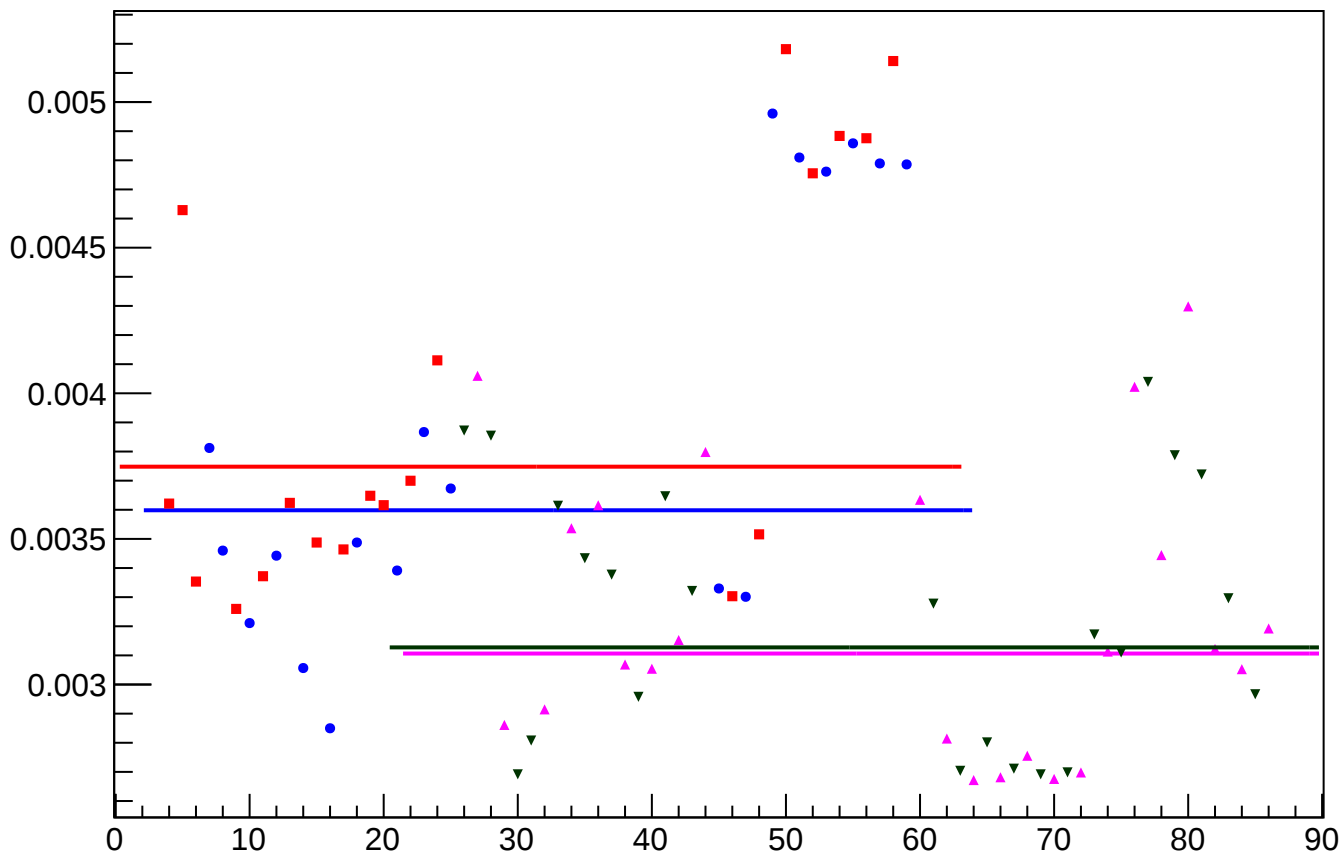
Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 7924148421.7/18

Left In: 0.341 $\pm$ 0.000 χ^2 /NDF:45076717812.5/22

0.203 $\pm$ 0.000 χ^2 /NDF: 107974275016.2/40

0.226 $\pm$ 0.000 χ^2 /NDF: 101837470180.0/41

yield_bpm0l08Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 672957.8/17

Left Out: 0.003+/-0.000 χ^2/NDF : 402496.1/22

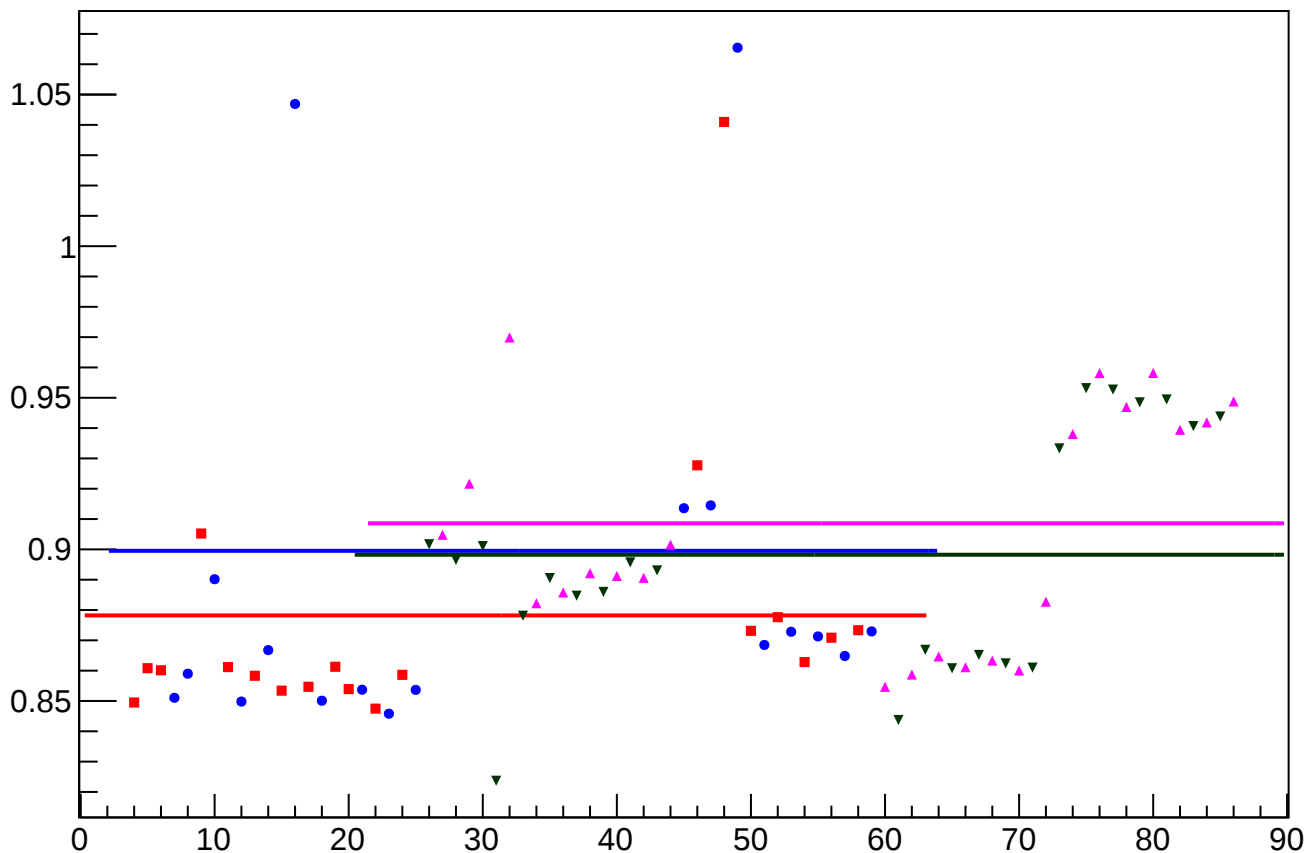
Right Out: 0.004+/-0.000 χ^2/NDF : 427283.7/18

Left In: 0.003+/-0.000 χ^2/NDF : 467268.9/22

0.003+/-0.000 χ^2/NDF : 1285446.8/40

0.003+/-0.000 χ^2/NDF : 1249114.7/41

yield_bpm0l09X_mean vs slug



Right In: 0.900 ± 0.000 $\chi^2/NDF: 324904340.4/17$

Left Out: 0.898 ± 0.000 $\chi^2/NDF: 82896515.9/22$

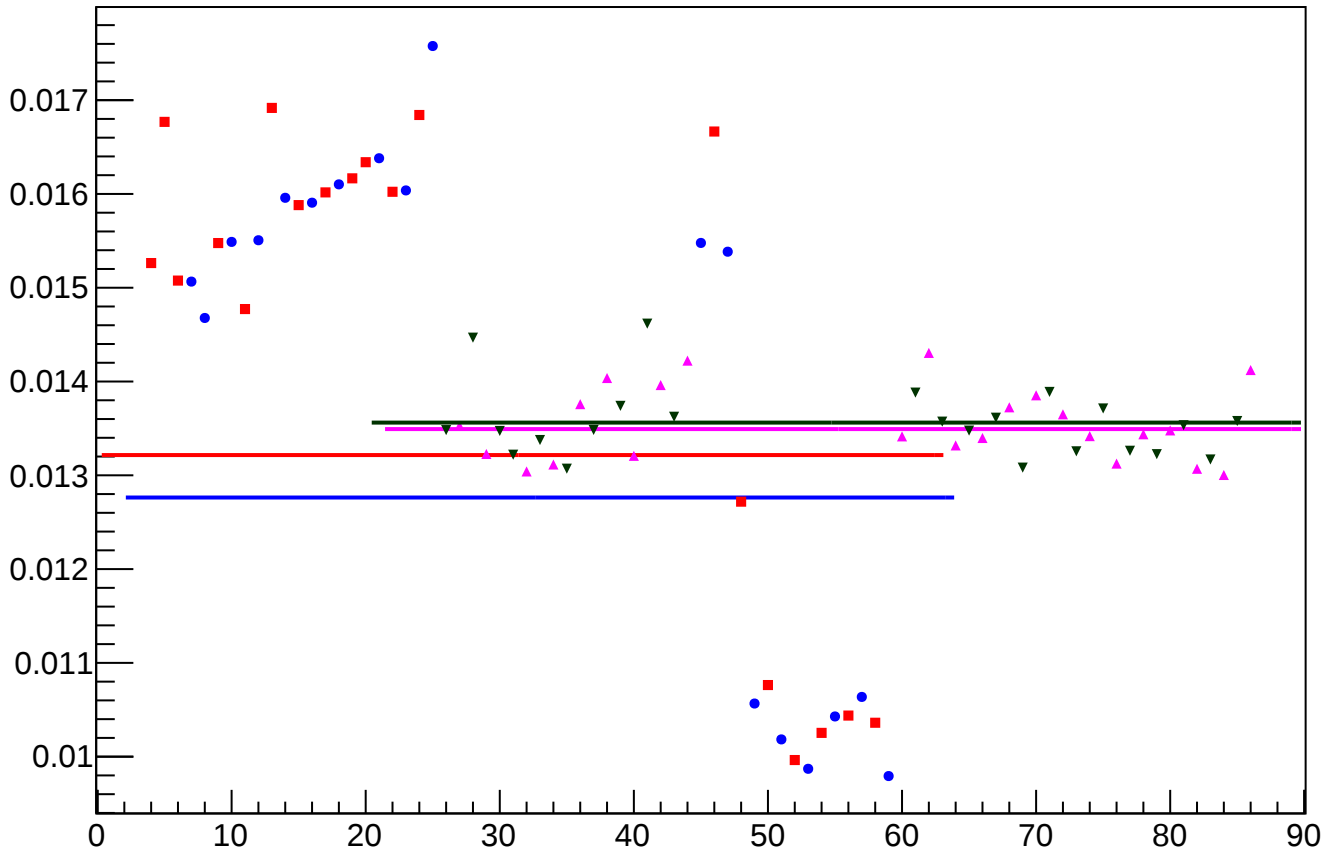
Right Out: 0.878 ± 0.000 $\chi^2/NDF: 92356263.0/18$

Left In: 0.909 ± 0.000 $\chi^2/NDF: 97736114.0/22$

0.899 ± 0.000 $\chi^2/NDF: 407854703.3/40$

0.896 ± 0.000 $\chi^2/NDF: 217689104.2/41$

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 :19148.1/22

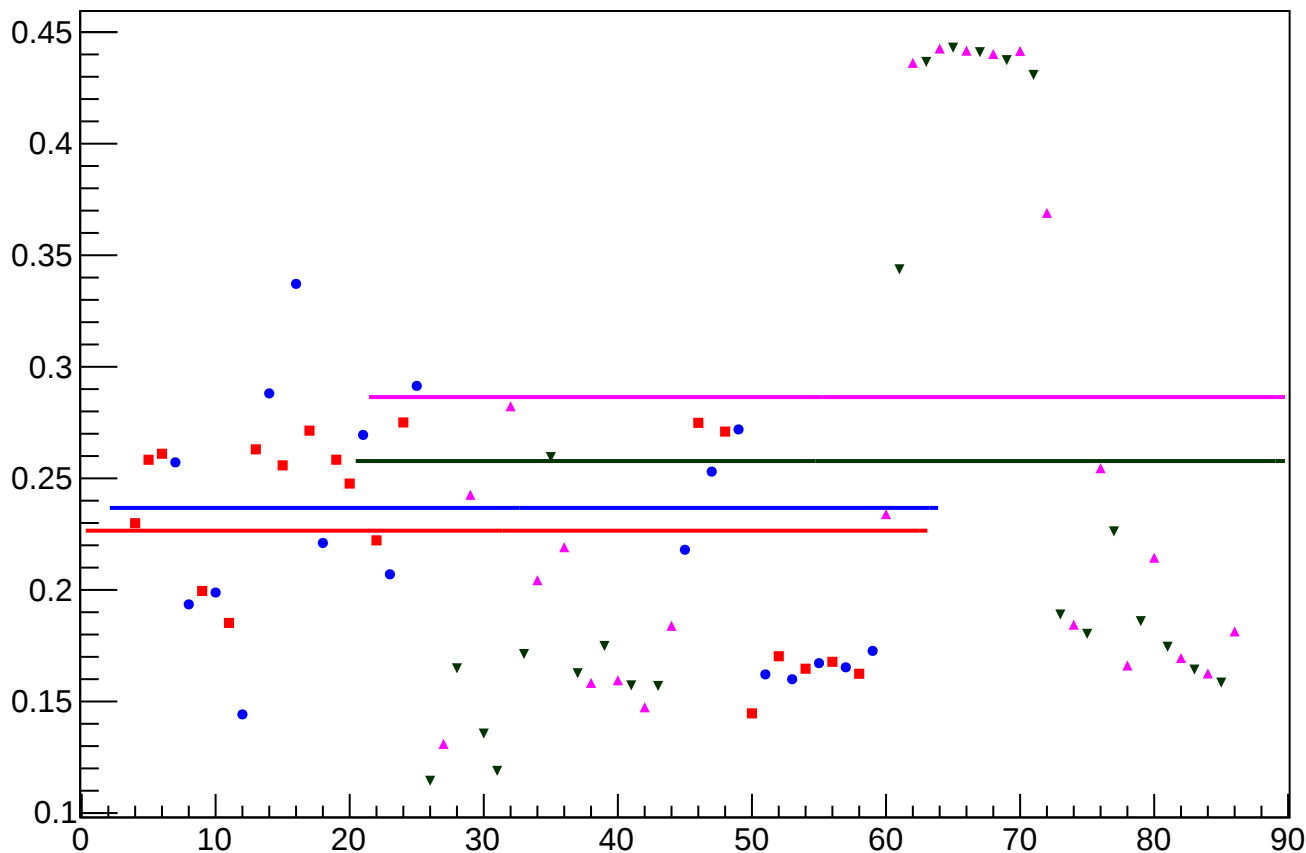
Right Out: 0.013+/-0.000 χ^2/NDF : 798846.8/18

Left In: 0.013+/-0.000 χ^2/NDF :19909.2/22

0.013+/-0.000 χ^2/NDF : 1040317.3/40

0.013+/-0.000 χ^2/NDF : 823349.2/41

yield_bpm0l09Y_mean vs slug



Right In: 0.237+/-0.000 χ^2/NDF : 2411617824.9/17

Left Out: 0.258+/-0.000 χ^2/NDF :16694327787.7/22

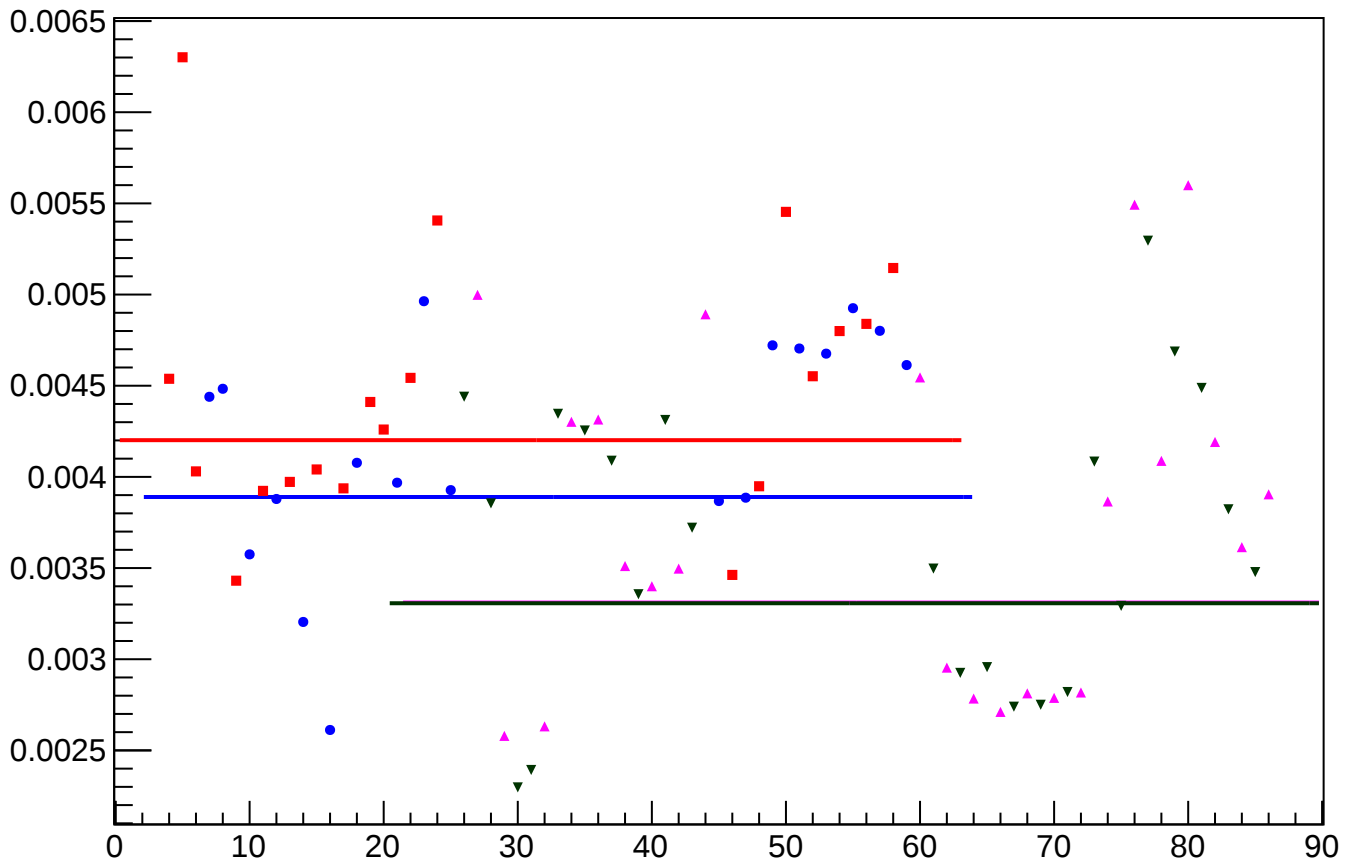
Right Out: 0.227+/-0.000 χ^2/NDF : 943883207.4/18

Left In: 0.286+/-0.000 χ^2/NDF :13669058056.6/22

0.249+/-0.000 χ^2/NDF : 19281636932.8/40

0.267+/-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 :1071302.7/22

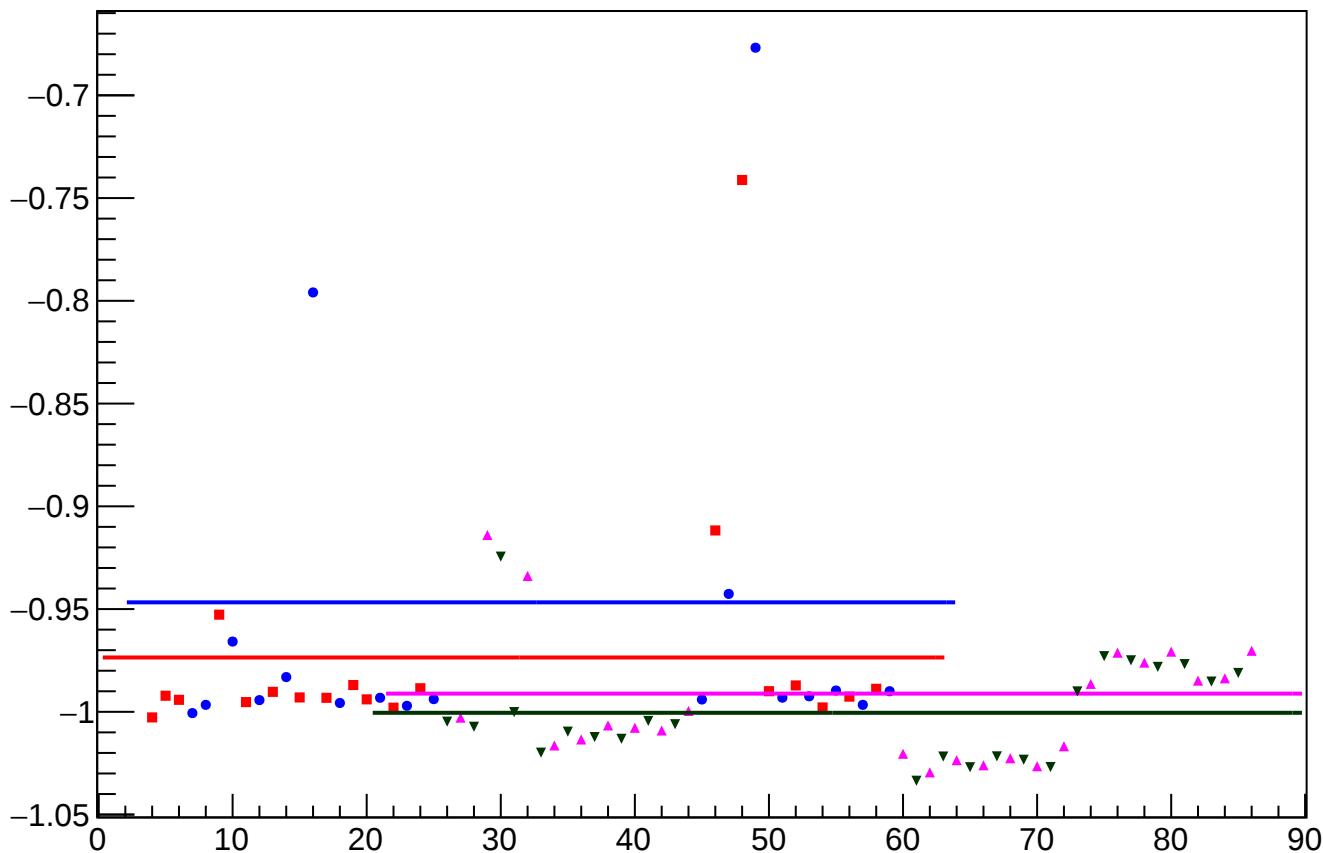
Right Out: 0.004+/-0.000 χ^2/NDF : 341340.8/18

Left In: 0.003+/-0.000 χ^2/NDF :1340610.5/22

0.004+/-0.000 χ^2/NDF : 2037722.6/40

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 : 40273210.4/22

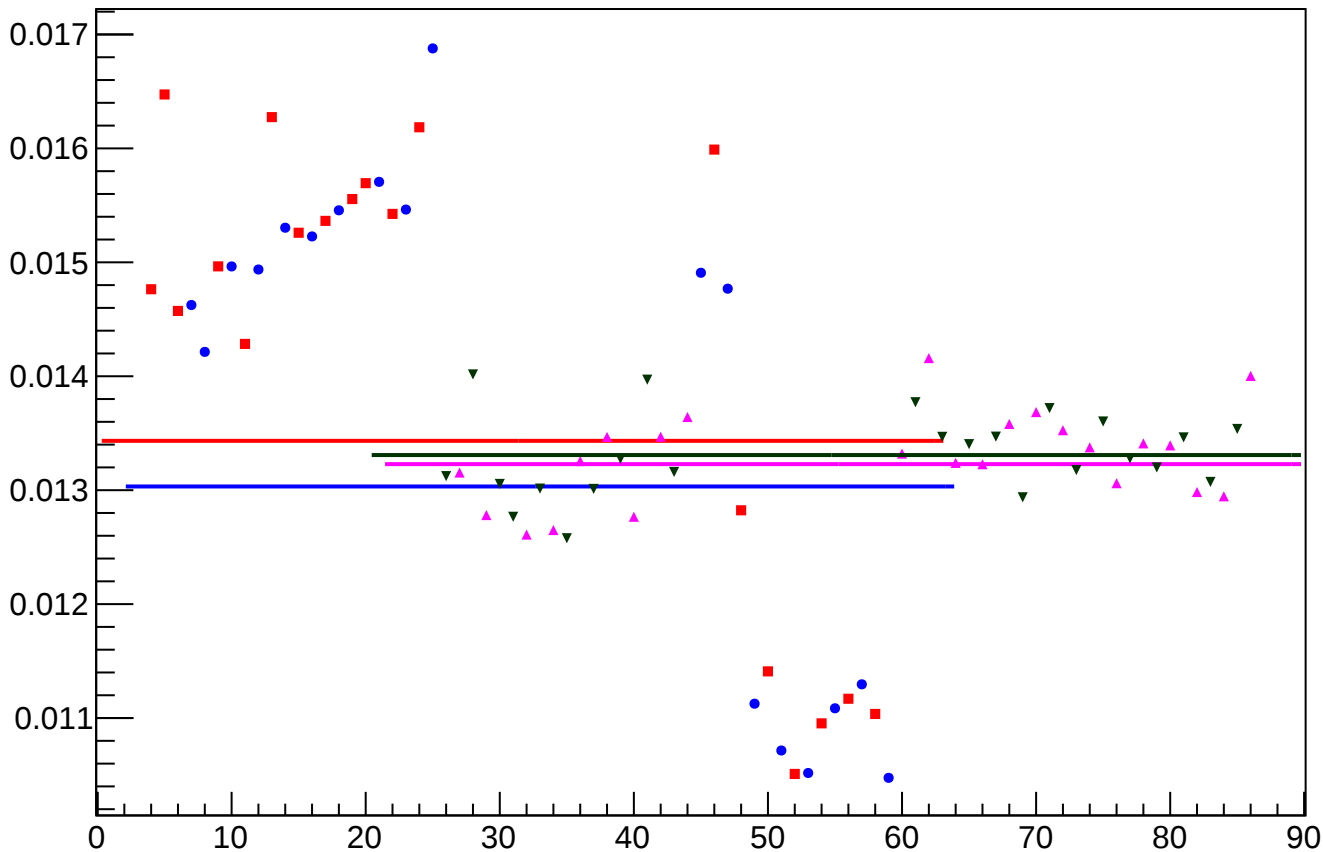
Right Out: -0.974+/-0.000 χ^2/NDF : 174691792.1/18

Left In: -0.991+/-0.000 χ^2/NDF : 80504815.8/22

-0.974+/-0.000 χ^2/NDF : 795810369.5/40

-0.984+/-0.000 χ^2/NDF : 264495609.2/41

yield_bpm0l10X_rms vs slug



Right In: 0.013 $\pm$ 0.000 χ^2/NDF : 587832.0/17

Left Out: 0.013 $\pm$ 0.000 χ^2/NDF :17209.9/22

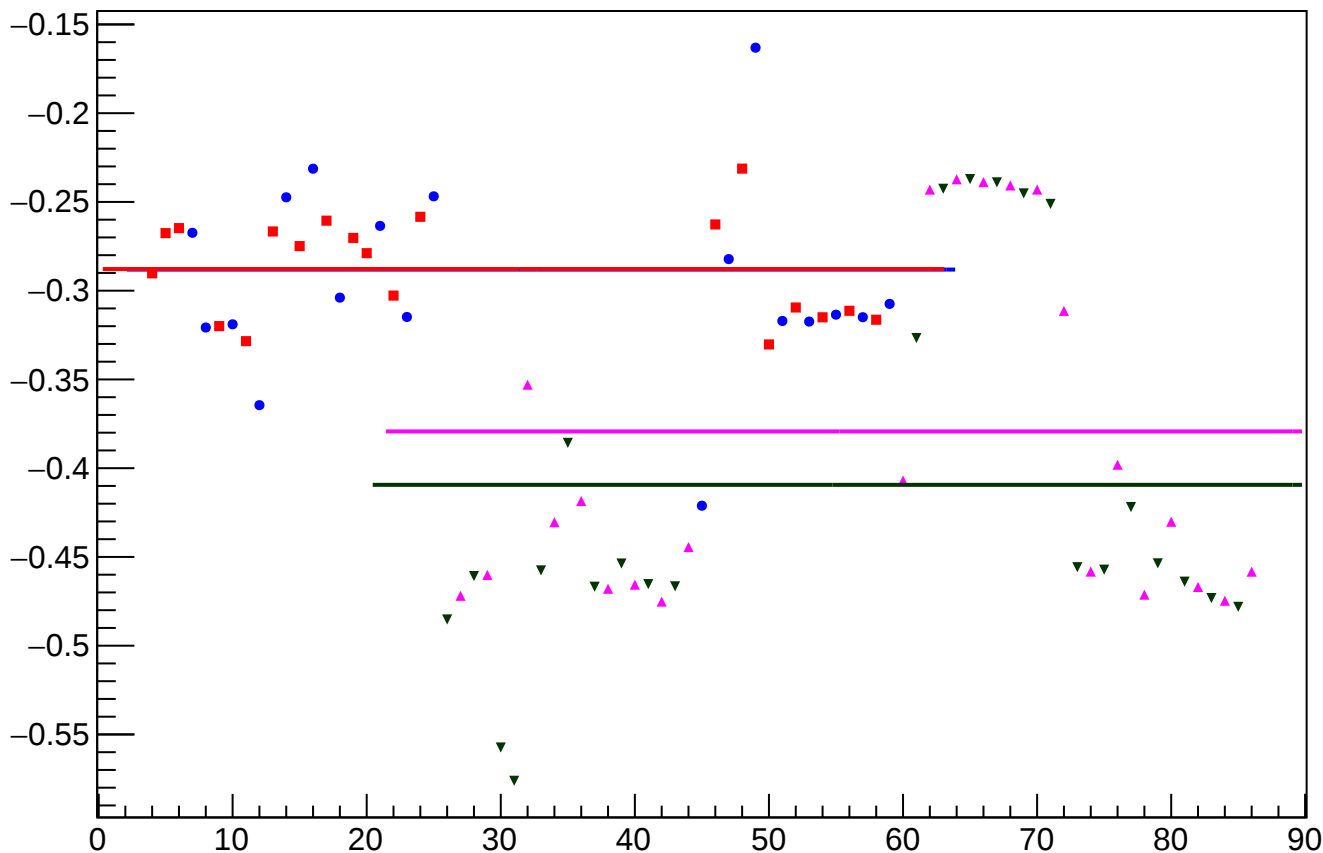
0.013 $\pm$ 0.000 χ^2/NDF : 609955.7/40

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 479245.1/18

0.013 $\pm$ 0.000 χ^2/NDF : 504115.6/41

Left In: 0.013 $\pm$ 0.000 χ^2/NDF :22354.4/22

yield_bpm0l10Y_mean vs slug



Right In: -0.288+/-0.000 χ^2/NDF : 2601289511.6/17

Left Out: -0.409+/-0.000 χ^2/NDF : 14293569341.3/22

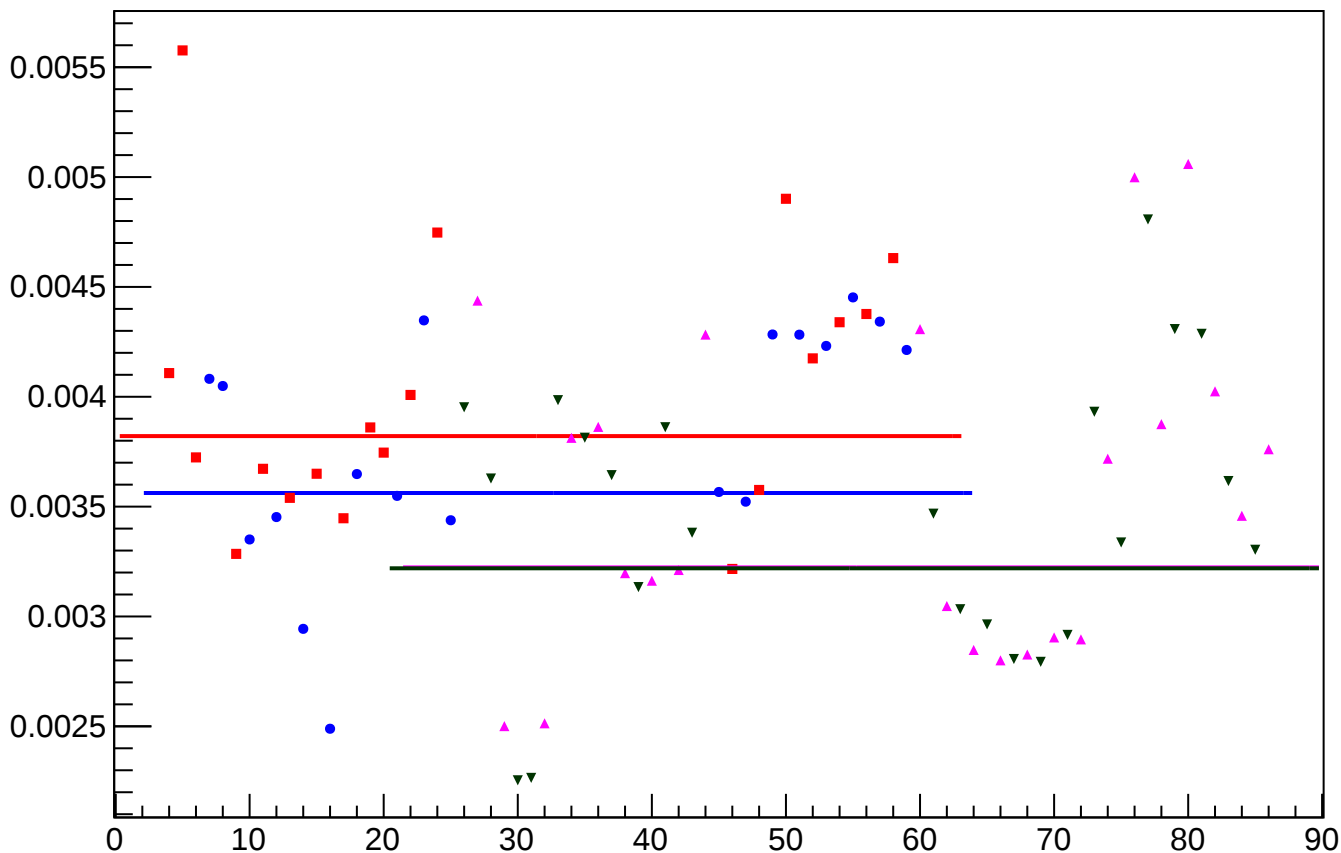
Right Out: -0.288+/-0.000 χ^2/NDF : 515794849.9/18

Left In: -0.379+/-0.000 χ^2/NDF : 10138005124.6/22

-0.356+/-0.000 χ^2/NDF : 23646783199.8/40

-0.347+/-0.000 χ^2/NDF : 14009720164.7/41

yield_bpm0l10Y_rms vs slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 588741.6/17

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:807391.7/22

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 282191.6/18

Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:1011325.2/22

0.003 $\pm$ 0.000 χ^2 /NDF: 1504001.0/40

0.003 $\pm$ 0.000 χ^2 /NDF: 1579831.7/41