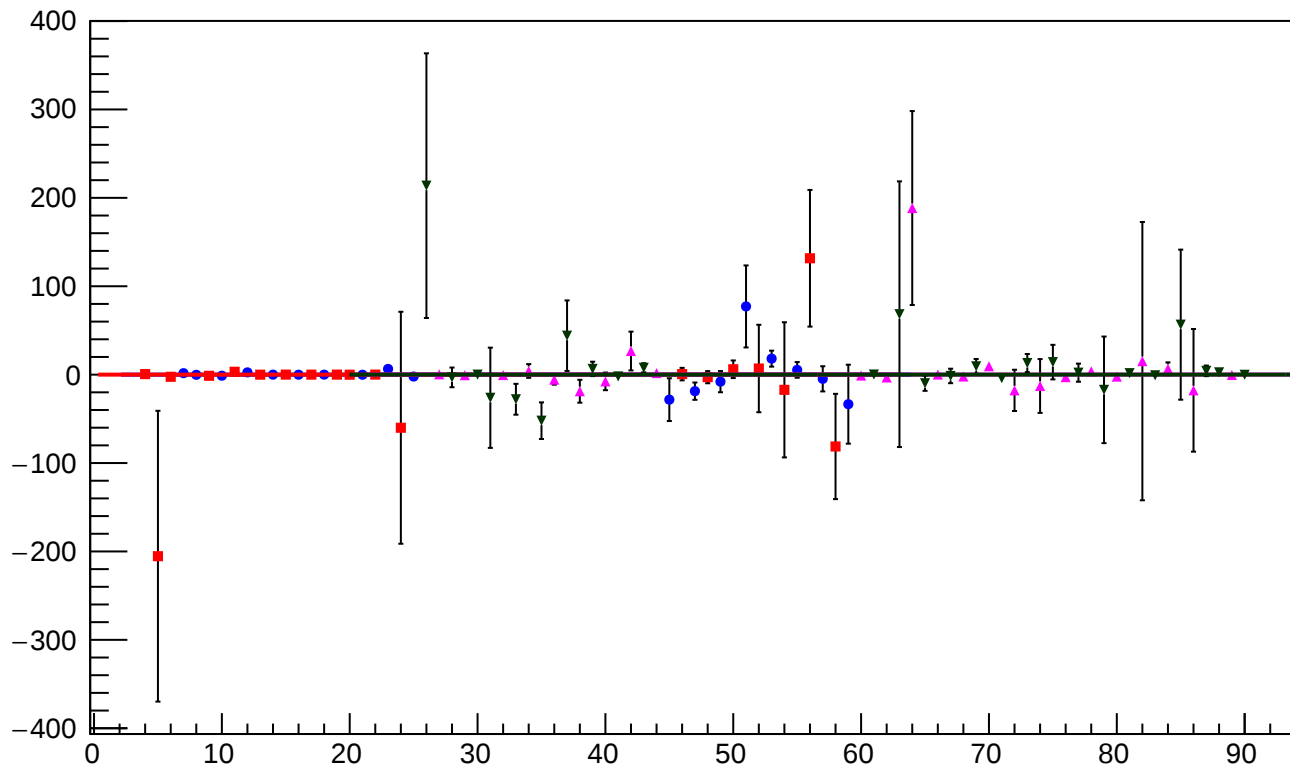


diff_cav4bX_mean vs slug



Right In: -0.014 $\pm$ 0.014

χ^2 /NDF: 31.2/17

Left Out: 0.042 $\pm$ 0.850

χ^2 /NDF: 25.1/25

Right Out: 0.017 $\pm$ 0.016

χ^2 /NDF: 24.7/18

Left In: 0.070 $\pm$ 0.073

χ^2 /NDF: 31.0/23

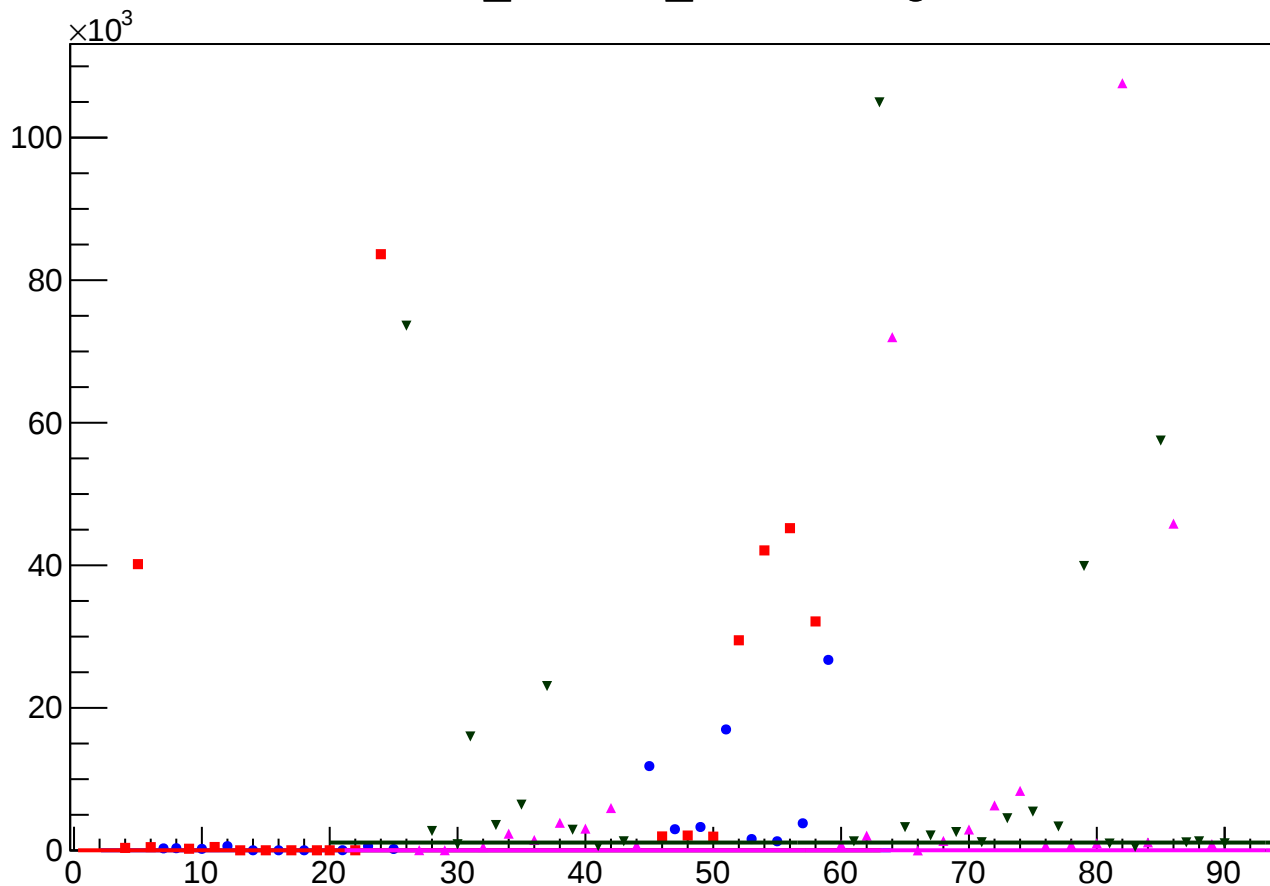
-0.014 $\pm$ 0.014

χ^2 /NDF: 56.3/43

0.019 $\pm$ 0.016

χ^2 /NDF: 56.2/42

diff_cav4bX_rms vs slug



Right In: 22.429 $\pm$ 0.010 χ^2/NDF : 2804434.6/17

Left Out: 1107.726 $\pm$ 0.601 χ^2/NDF : 5133587.2/25

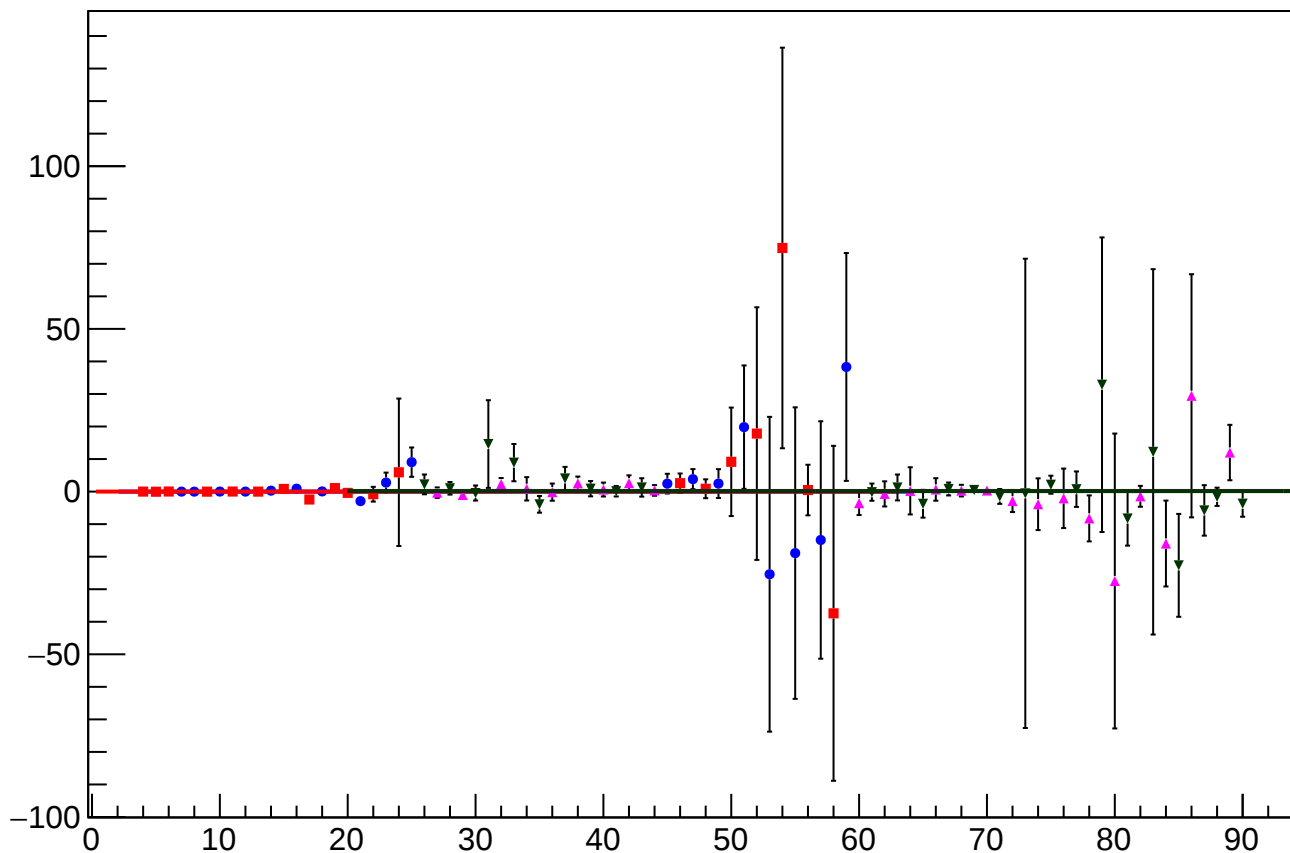
Right Out: 22.611 $\pm$ 0.011 χ^2/NDF : 4395534.2/18

Left In: 27.446 $\pm$ 0.051 χ^2/NDF : 7640314.9/23

22.737 $\pm$ 0.010 χ^2/NDF : 11197048.8/43

22.838 $\pm$ 0.011 χ^2/NDF : 12044264.5/42

diff_cav4bY_mean vs slug



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

Left Out: 0.151 ± 0.567 χ^2/NDF : 15.9/25

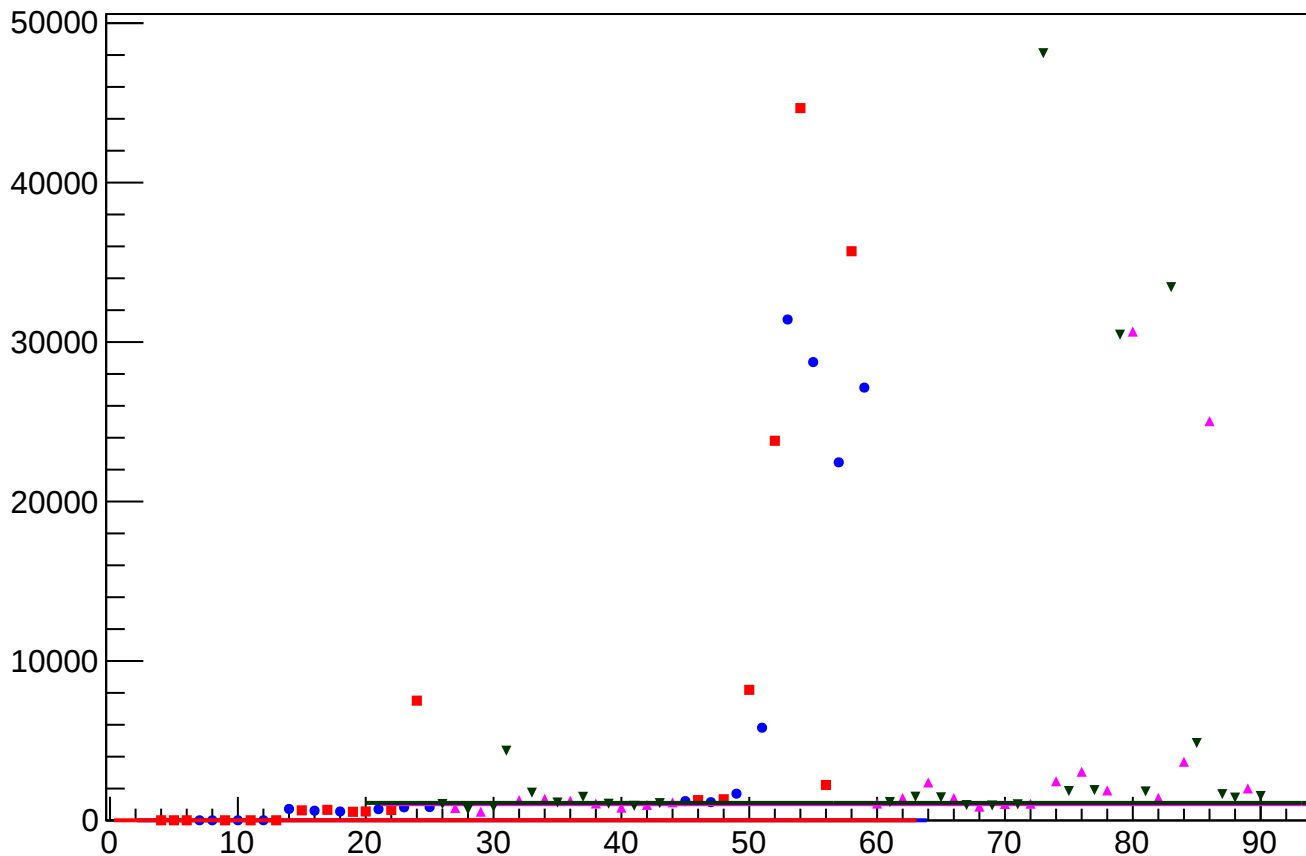
Right Out: 0.002 ± 0.005 χ^2/NDF : 20.3/18

Left In: 0.201 ± 0.517 χ^2/NDF : 13.0/23

-0.001 ± 0.006 χ^2/NDF : 39.5/43

0.002 ± 0.005 χ^2/NDF : 33.4/42

diff_cav4bY_rms vs slug



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

Left Out: 1101.888+/-0.401 χ^2/NDF : 3114926.5/25

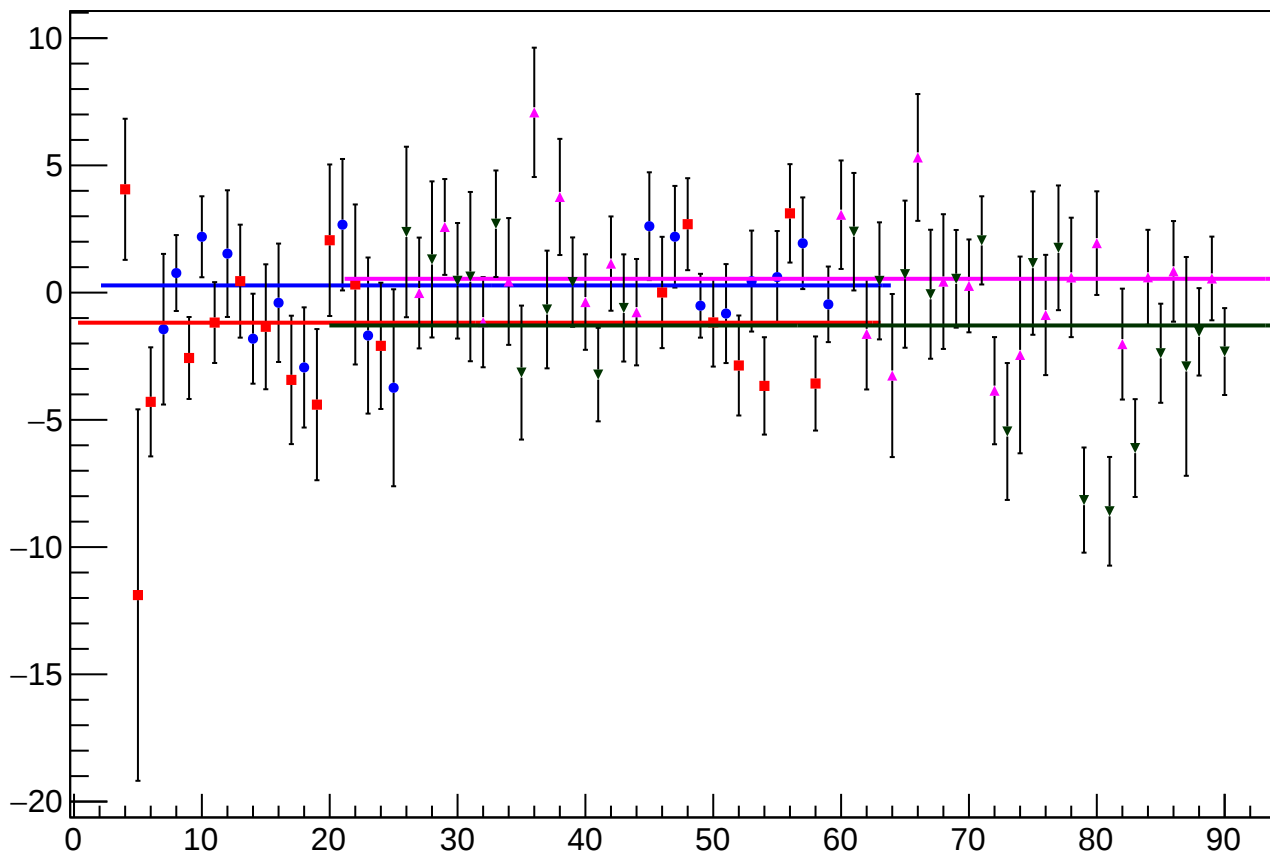
Right Out: 10.086+/-0.004 χ^2/NDF : 6750125.6/18

Left In: 1017.997+/-0.366 χ^2/NDF : 2535894.9/23

10.650+/-0.005 χ^2/NDF : 19470227.8/43

10.198+/-0.004 χ^2/NDF : 16878838.9/42

diff_cav4cX_mean vs slug



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

Left Out: -1.291+/-0.435 χ^2/NDF : 52.2/25

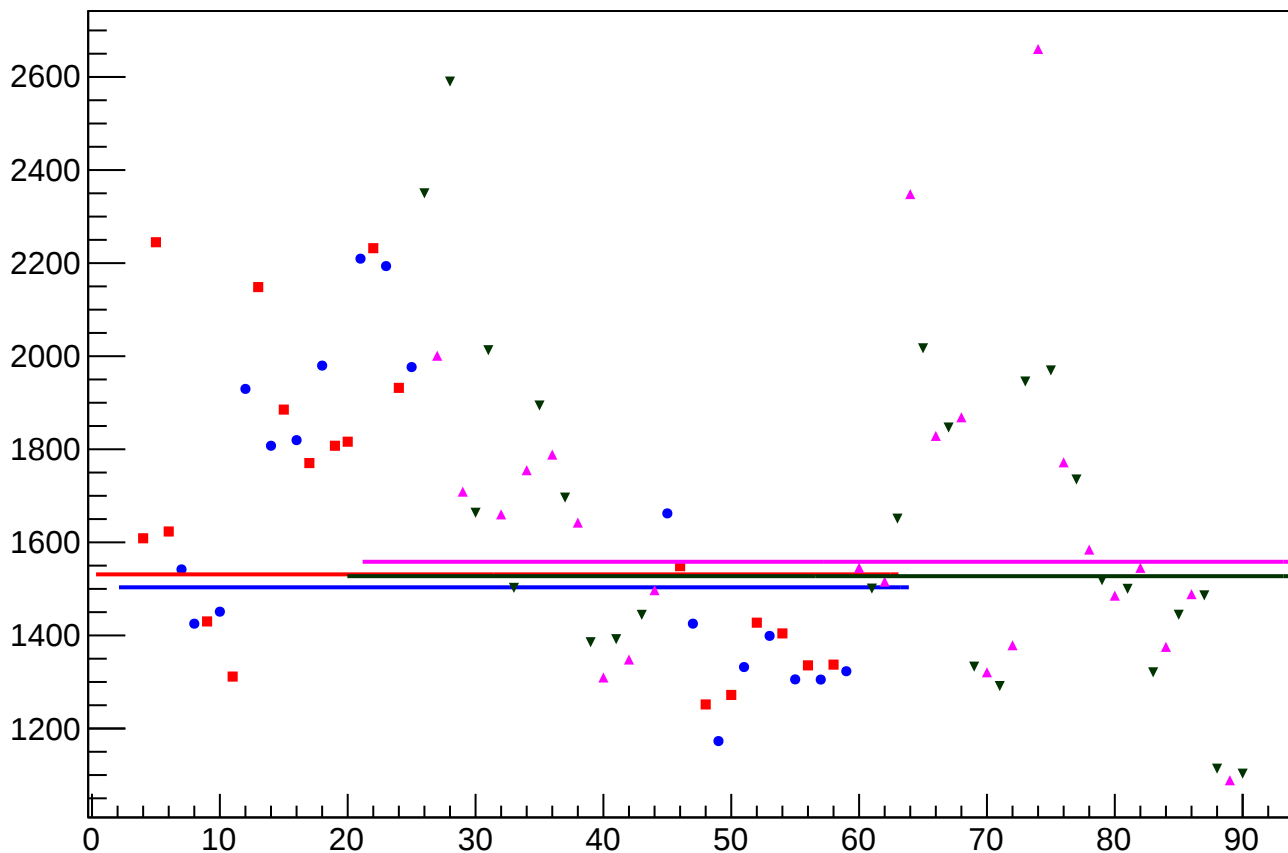
Right Out: -1.182+/-0.494 χ^2/NDF : 26.5/18

Left In: 0.543+/-0.436 χ^2/NDF : 26.2/23

-0.541+/-0.314 χ^2/NDF : 70.3/43

-0.212+/-0.327 χ^2/NDF : 59.6/42

diff_cav4cX_rms vs slug



Right In: 1503.404 $\pm$ 0.322 χ^2 /NDF: 776769.4/17

Left Out: 1527.325 $\pm$ 0.307 χ^2 /NDF:1018917.7/25

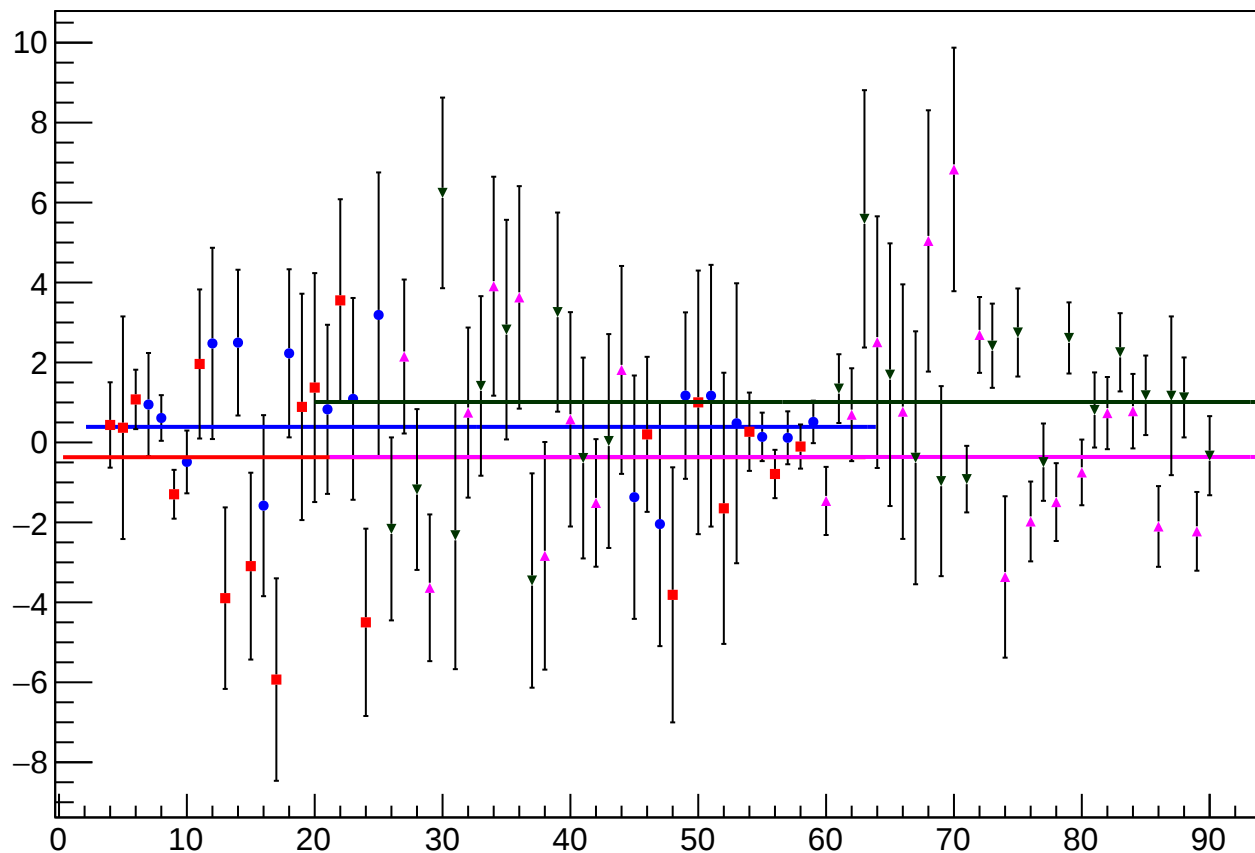
Right Out: 1531.211 $\pm$ 0.349 χ^2 /NDF: 621310.9/18

Left In: 1558.264 $\pm$ 0.308 χ^2 /NDF:784504.9/23

1515.925 $\pm$ 0.222 χ^2 /NDF: 1798575.9/43

1546.423 $\pm$ 0.231 χ^2 /NDF: 1409193.4/42

diff_cav4cY_mean vs slug



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

Left Out: 1.011 ± 0.263 χ^2/NDF : 35.4/25

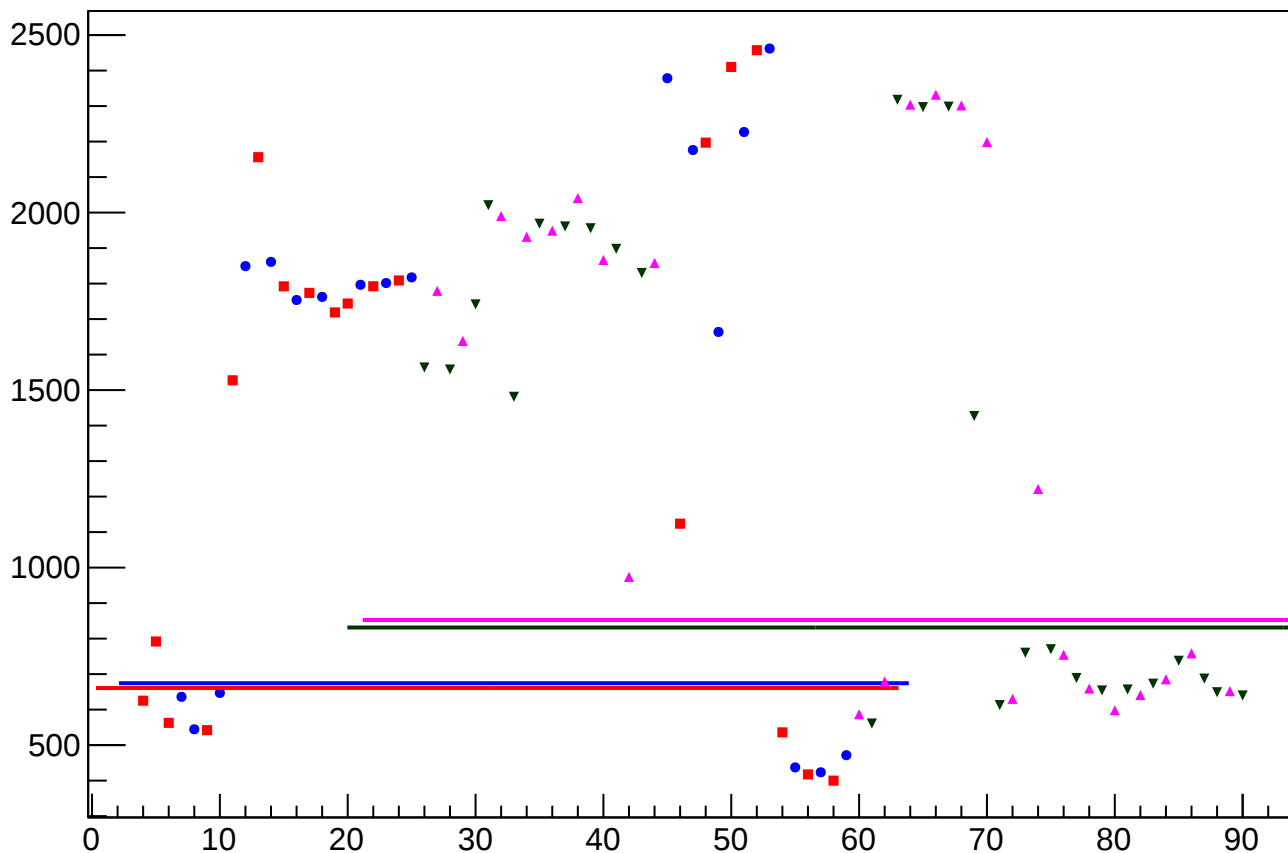
Right Out: -0.369 ± 0.263 χ^2/NDF : 25.7/18

Left In: -0.363 ± 0.271 χ^2/NDF : 49.8/23

0.686 ± 0.182 χ^2/NDF : 45.8/43

-0.366 ± 0.188 χ^2/NDF : 75.4/42

diff_cav4cY_rms vs slug



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

Left Out: 831.252+/-0.186 χ^2/NDF : 5067616.8/25

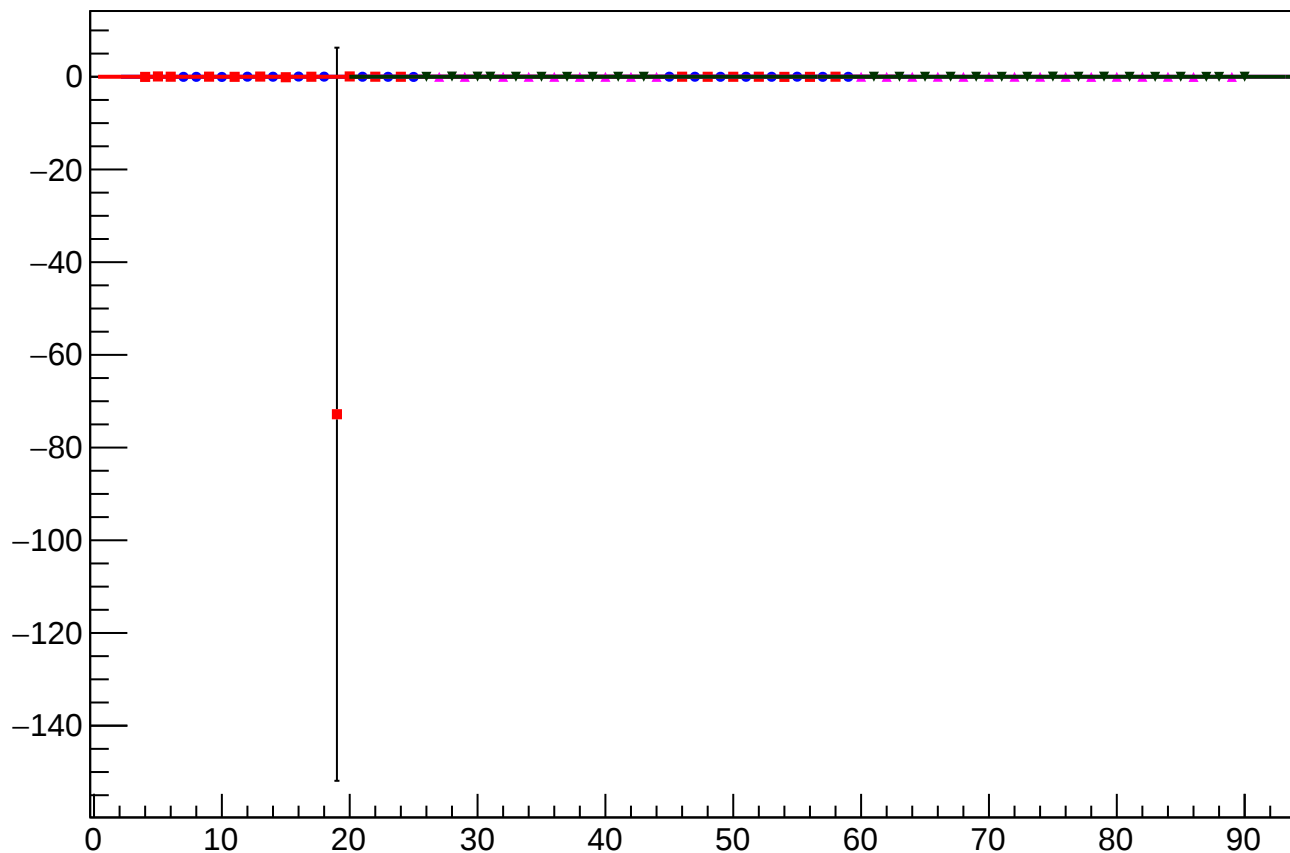
Right Out: 660.761+/-0.186 χ^2/NDF : 6222915.7/18

Left In: 852.371+/-0.191 χ^2/NDF : 5589398.8/23

749.166+/-0.129 χ^2/NDF : 12452240.5/43

753.695+/-0.133 χ^2/NDF : 12328935.2/42

diff_cav4dX_mean vs slug



Right In: -0.000+/-0.004 χ^2/NDF : 11.9/17

Left Out: 0.001+/-0.003 χ^2/NDF : 20.3/25

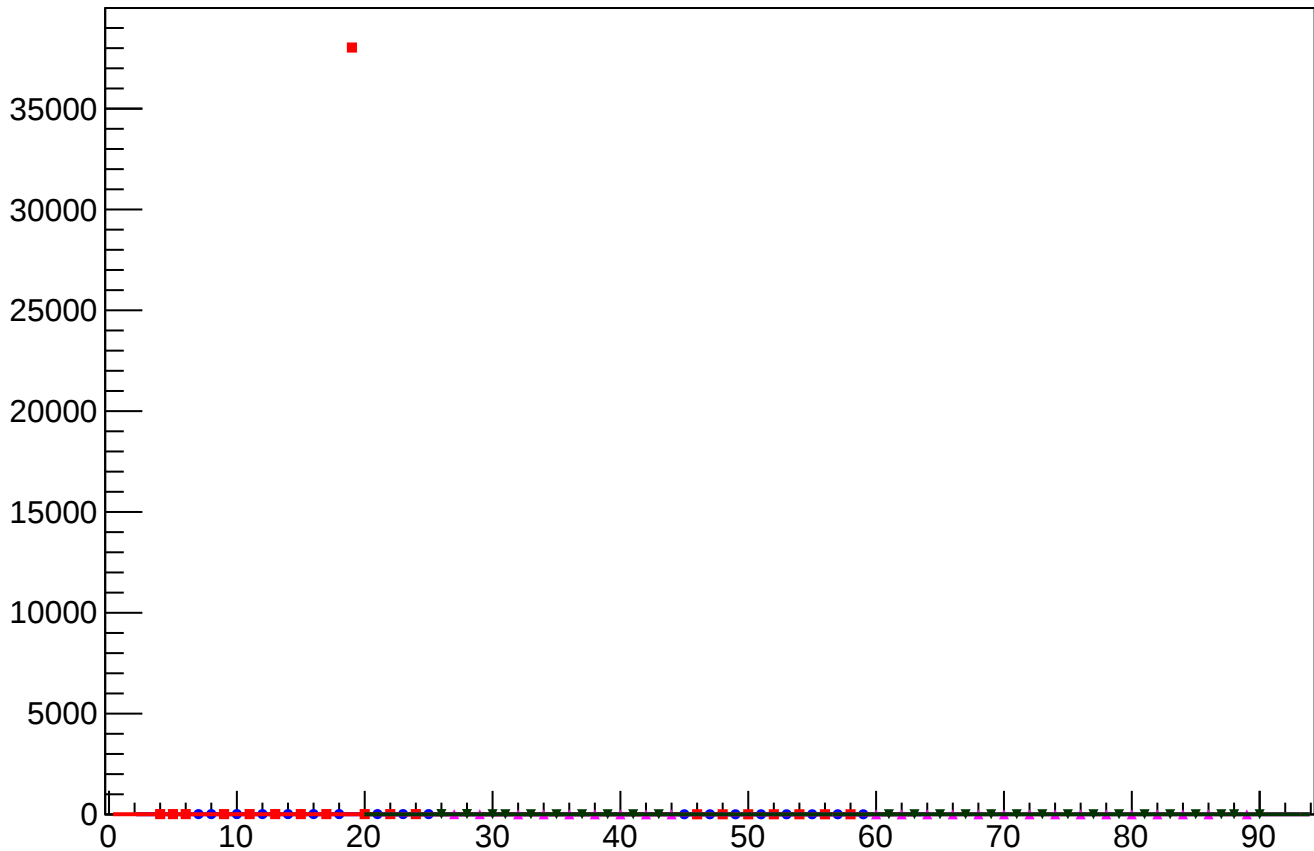
Right Out: 0.002+/-0.004 χ^2/NDF : 20.0/18

Left In: 0.001+/-0.003 χ^2/NDF : 14.3/23

0.001+/-0.002 χ^2/NDF : 32.3/43

0.002+/-0.002 χ^2/NDF : 34.4/42

diff_cav4dX_rms vs slug



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

Left Out: 8.901+/-0.002 χ^2/NDF : 630200.3/25

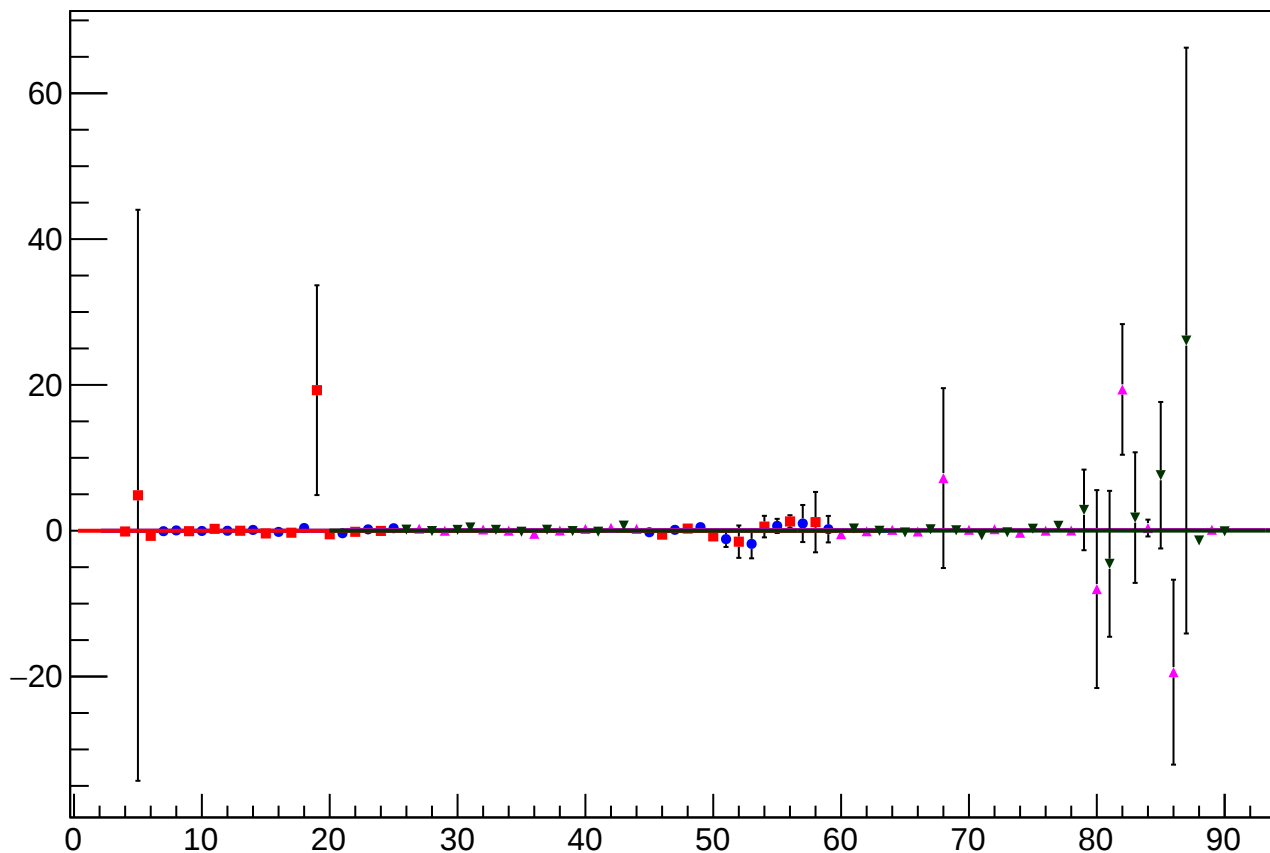
9.495+/-0.002 χ^2/NDF : 2866269.0/43

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

9.556+/-0.002 χ^2/NDF : 3450010.0/42

Left In: 8.920+/-0.002 χ^2/NDF : 796923.9/23

diff_cav4dY_mean vs slug



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

Left Out: 0.016 ± 0.044 χ^2/NDF : 31.6/25

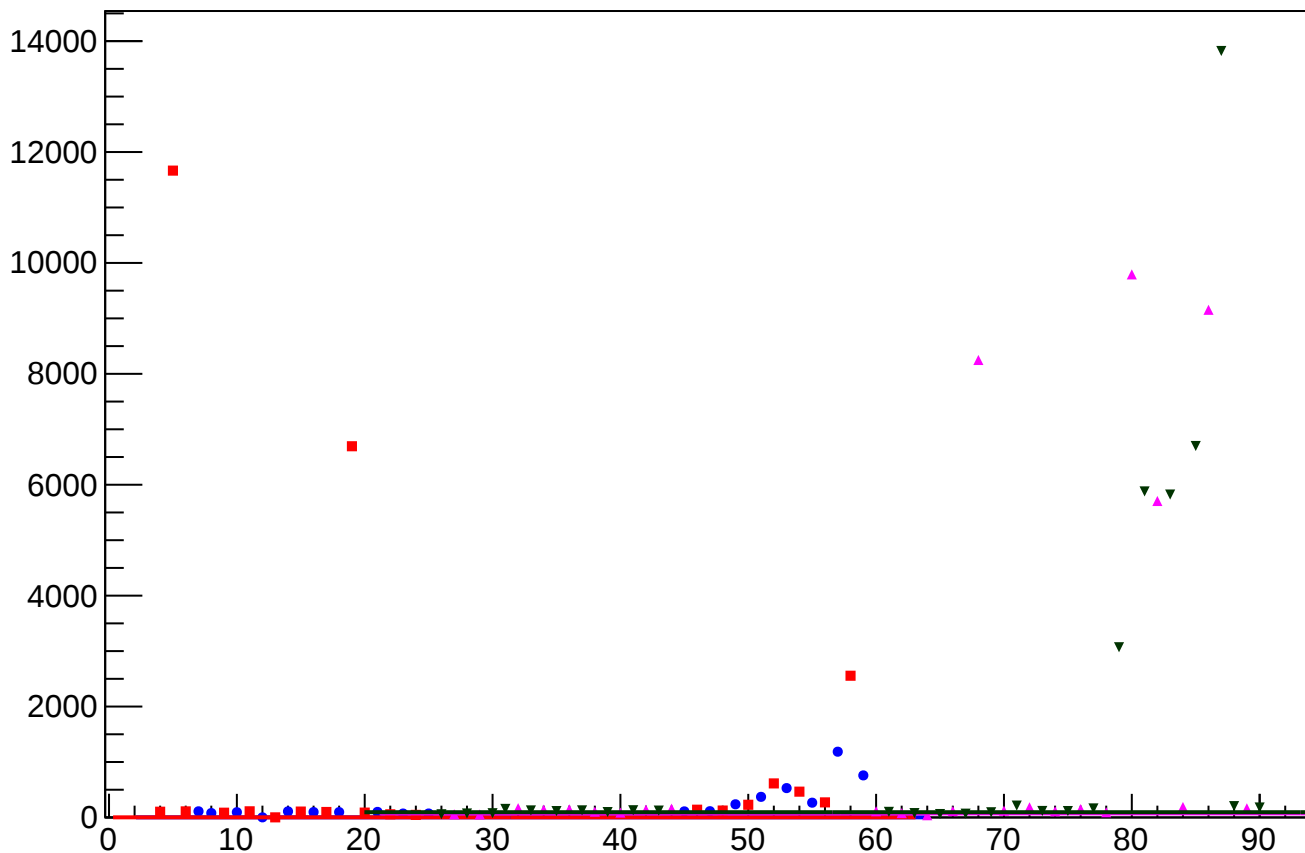
Right Out: -0.003 ± 0.003 χ^2/NDF : 21.1/18

Left In: 0.099 ± 0.037 χ^2/NDF : 22.7/23

-0.003 ± 0.003 χ^2/NDF : 52.7/43

-0.002 ± 0.003 χ^2/NDF : 51.3/42

diff_cav4dY_rms vs slug



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

Left Out: 94.624+/-0.031 χ^2/NDF : 4061411.0/25

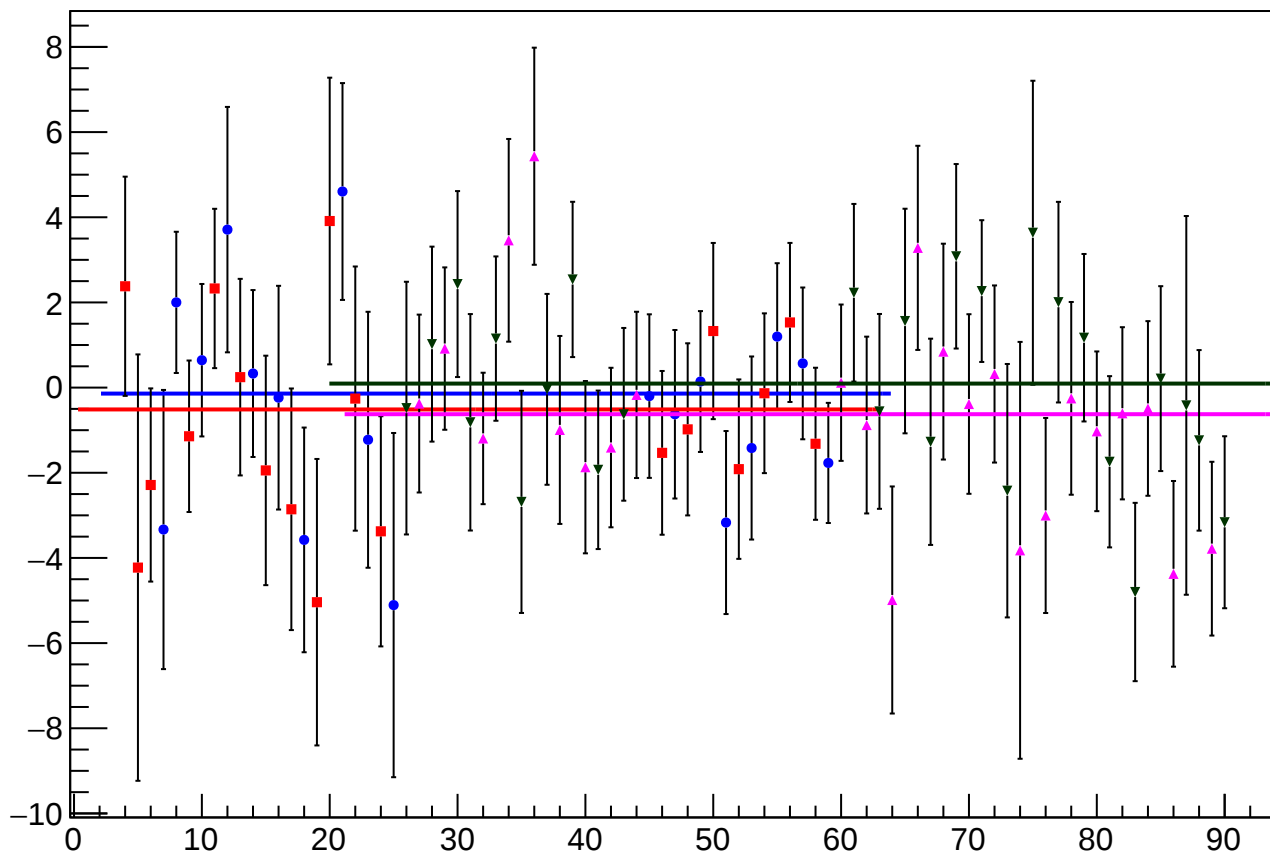
Right Out: 2.101+/-0.002 χ^2/NDF : 6716516.3/18

Left In: 73.125+/-0.026 χ^2/NDF : 5977647.3/23

2.672+/-0.002 χ^2/NDF : 22157386.3/43

2.574+/-0.002 χ^2/NDF : 20045966.5/42

diff_bpm4aX_mean vs slug



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

Left Out: 0.094 ± 0.436 $\chi^2/\text{NDF}: 23.4/25$

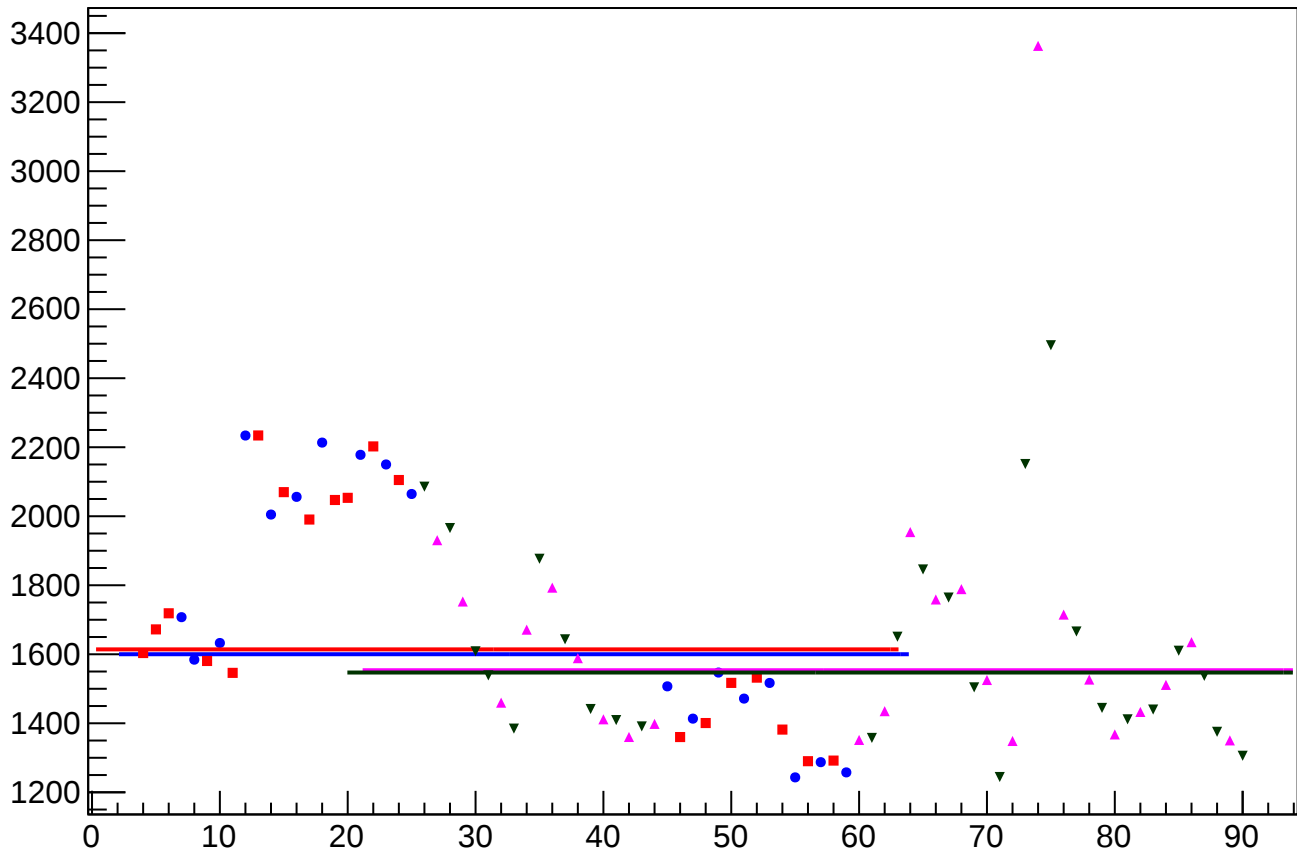
Right Out: -0.513 ± 0.519 $\chi^2/\text{NDF}: 13.6/18$

Left In: -0.625 ± 0.432 $\chi^2/\text{NDF}: 23.0/23$

-0.011 ± 0.324 $\chi^2/\text{NDF}: 39.5/43$

-0.579 ± 0.332 $\chi^2/\text{NDF}: 36.7/42$

diff_bpm4aX_rms vs slug



Right In: 1600.111 $\pm$ 0.343 χ^2 /NDF: 849754.6/17

Left Out: 1547.094 $\pm$ 0.308 χ^2 /NDF: 635169.5/25

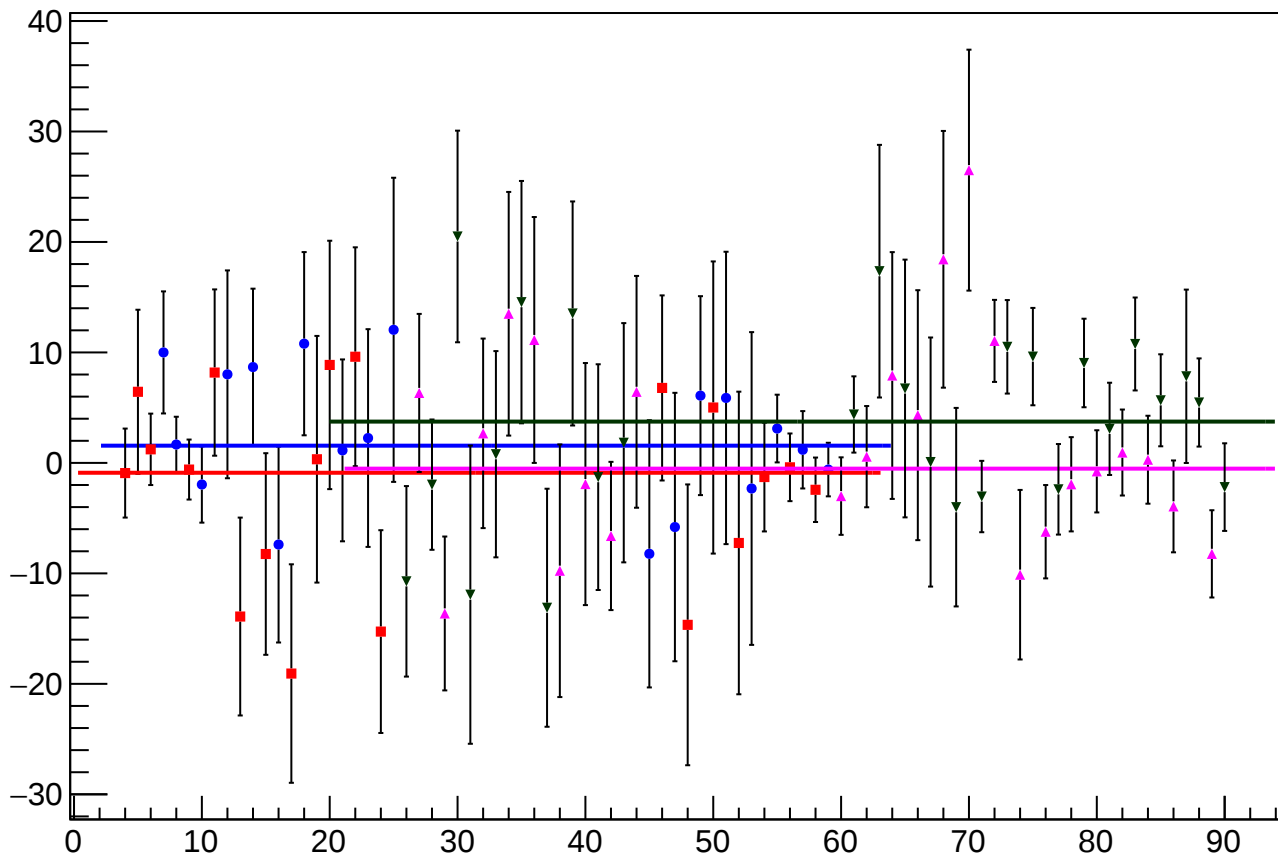
Right Out: 1614.182 $\pm$ 0.367 χ^2 /NDF: 670373.5/18

Left In: 1553.732 $\pm$ 0.306 χ^2 /NDF: 622620.0/23

1570.763 $\pm$ 0.229 χ^2 /NDF: 1498129.4/43

1578.491 $\pm$ 0.235 χ^2 /NDF: 1309014.3/42

diff_bpm4aY_mean vs slug



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

Left Out: 3.739 ± 1.070 χ^2/NDF : 33.7/25

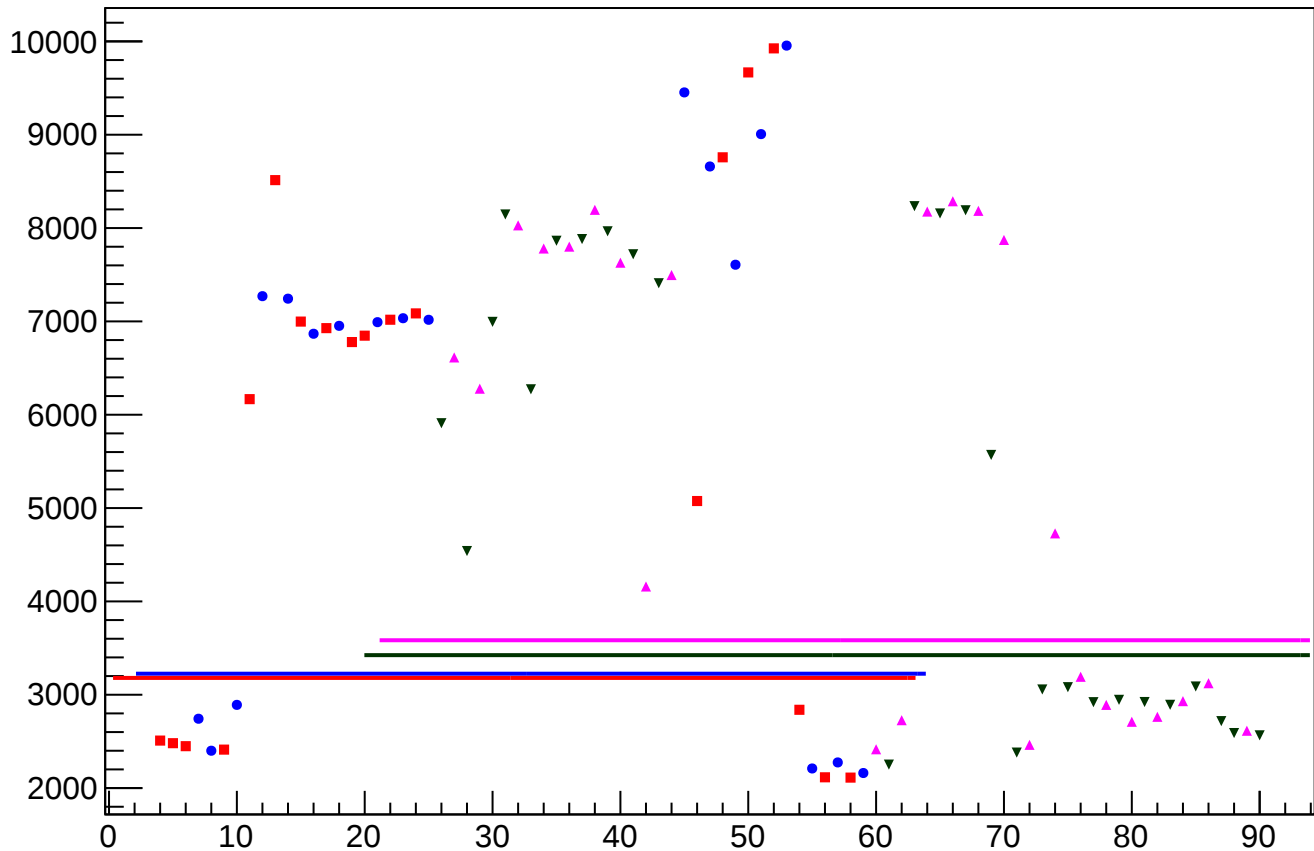
2.726 ± 0.783 χ^2/NDF : 45.9/43

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

-0.693 ± 0.816 χ^2/NDF : 53.4/42

Left In: -0.520 ± 1.117 χ^2/NDF : 37.2/23

diff_bpm4aY_rms vs slug



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

Left Out: 3424.238+/-0.757 χ^2/NDF : 4593748.7/25

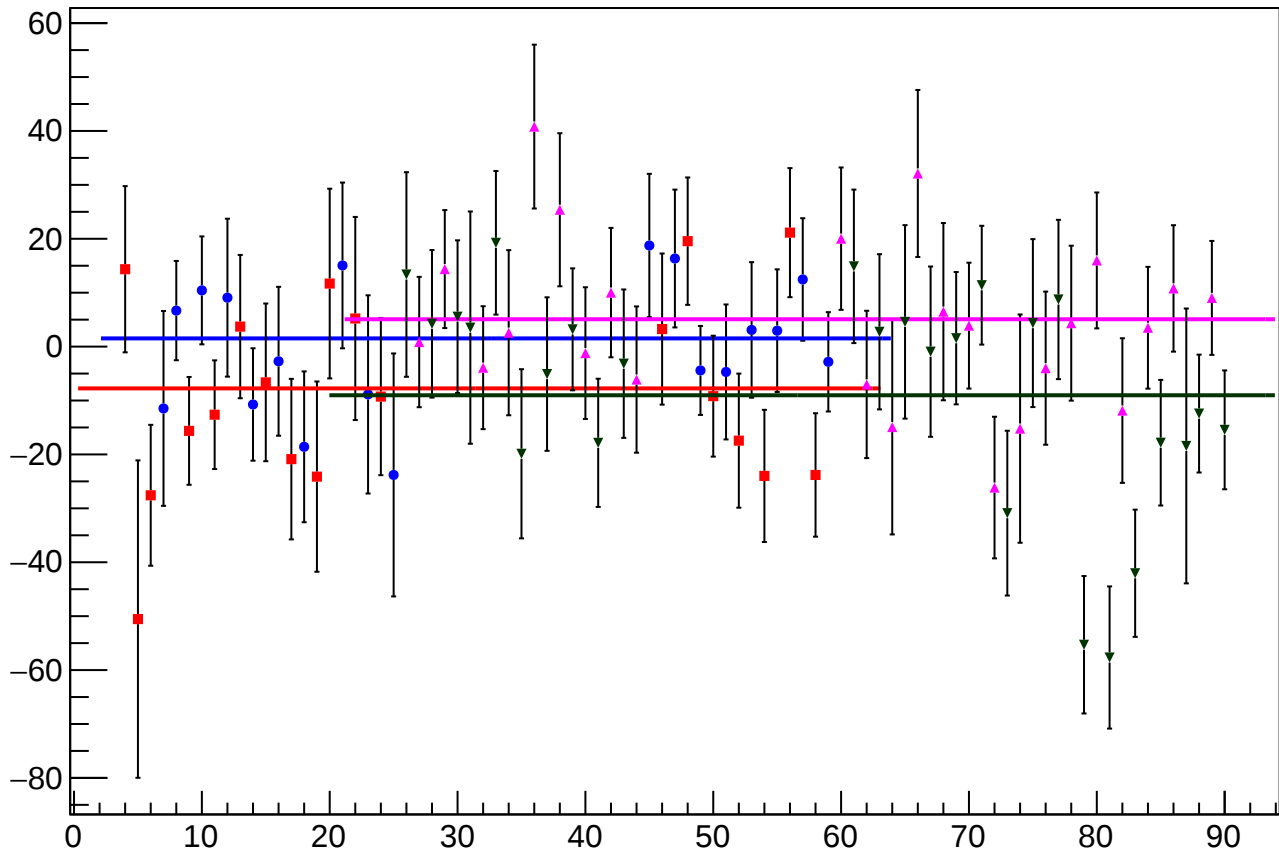
Right Out: 3180.260+/-0.846 χ^2/NDF : 5053490.5/18

Left In: 3583.784+/-0.790 χ^2/NDF : 4955639.5/23

3331.795+/-0.554 χ^2/NDF : 10486634.2/43

3395.935+/-0.577 χ^2/NDF : 10130675.1/42

diff_bpm4eX_mean vs slug



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

Left Out: -9.026 ± 2.678 $\chi^2/\text{NDF}: 59.2/25$

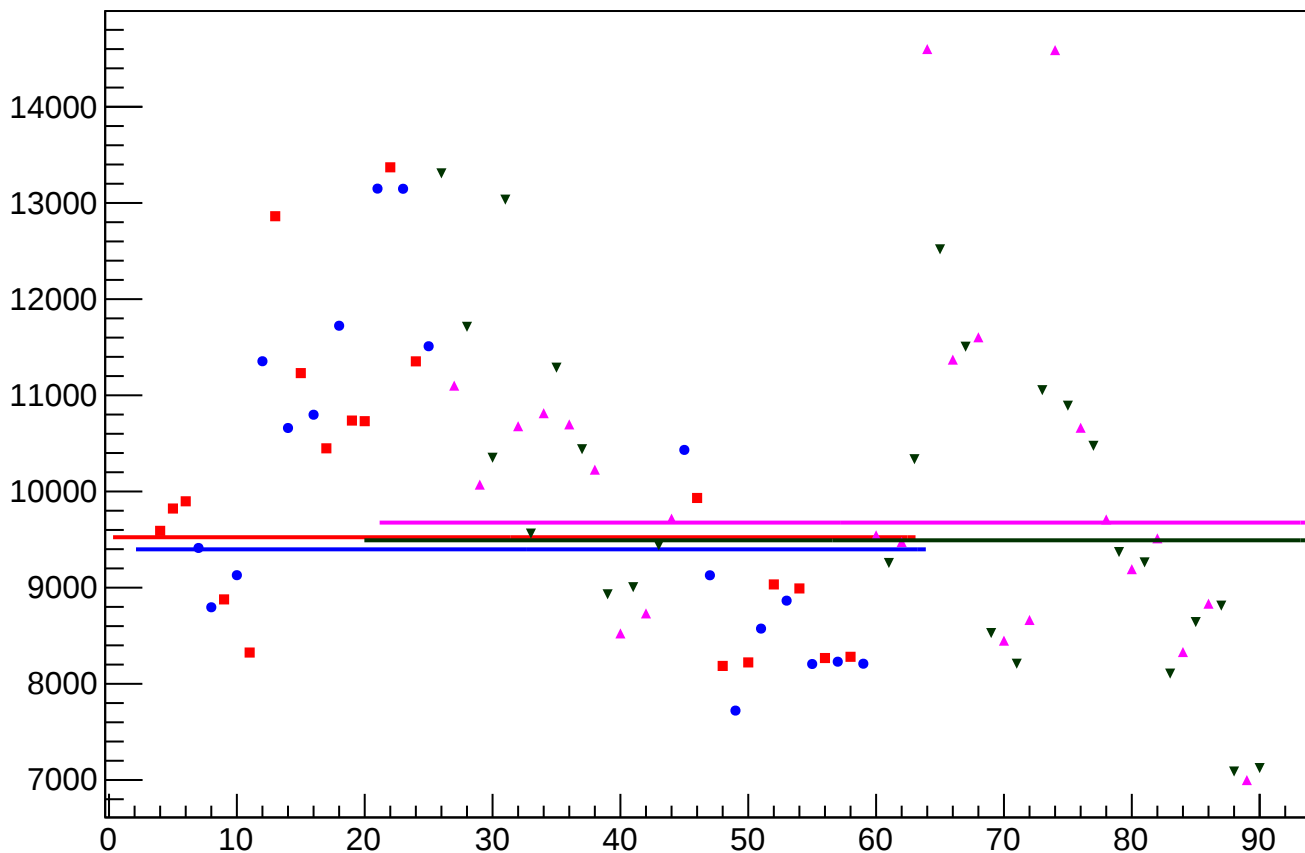
Right Out: -7.752 ± 3.046 $\chi^2/\text{NDF}: 27.5/18$

Left In: 5.075 ± 2.691 $\chi^2/\text{NDF}: 26.0/23$

-4.047 ± 1.946 $\chi^2/\text{NDF}: 79.3/43$

-0.549 ± 2.017 $\chi^2/\text{NDF}: 63.5/42$

diff_bpm4eX_rms vs slug



Right In: 9398.368+/-2.003 χ^2/NDF : 554872.2/17

Left Out: 9492.428+/-1.894 χ^2/NDF : 650008.4/25

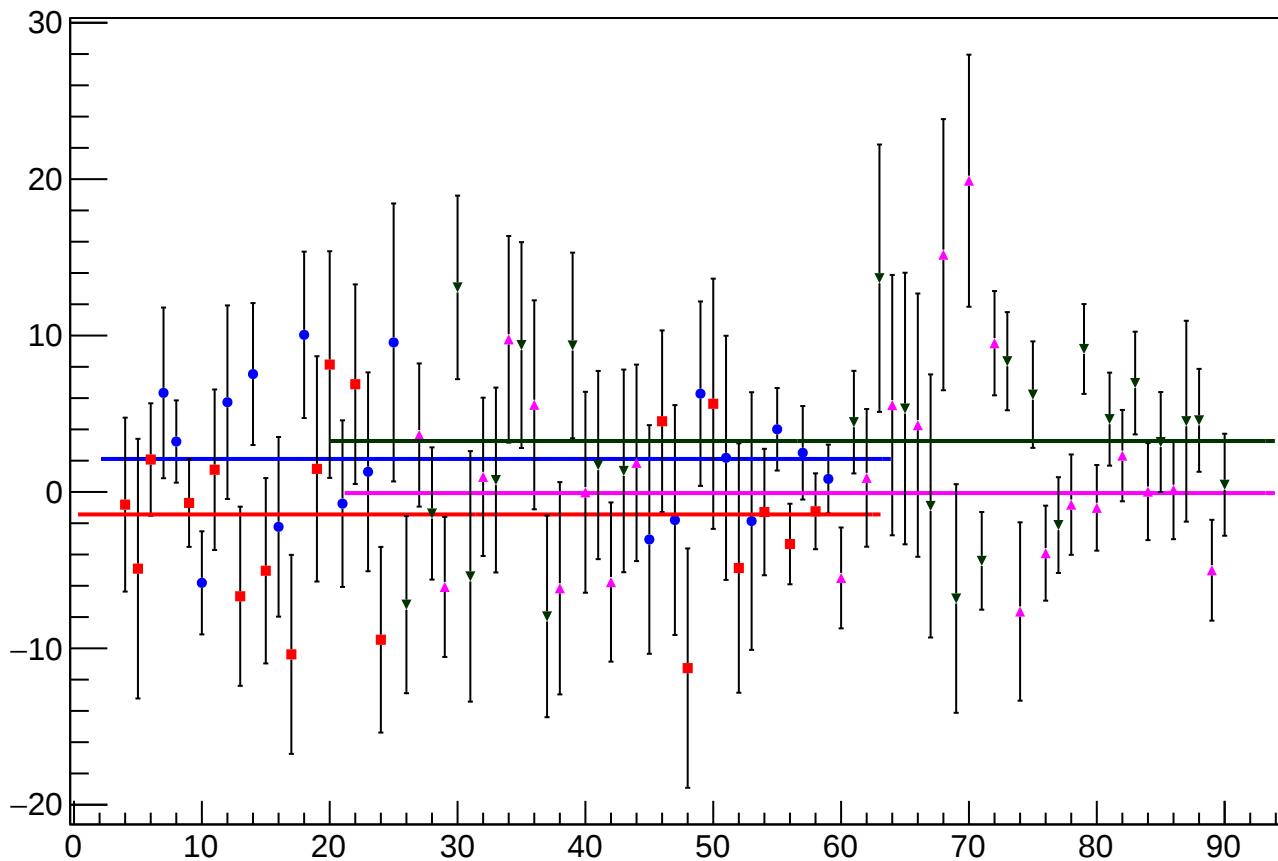
Right Out: 9524.317+/-2.154 χ^2/NDF : 440161.2/18

Left In: 9676.442+/-1.903 χ^2/NDF : 595019.9/23

9448.022+/-1.376 χ^2/NDF : 1206045.0/43

9609.746+/-1.426 χ^2/NDF : 1037983.2/42

diff_bpm4eY_mean vs slug



Right In: 2.110 ± 0.979 $\chi^2/\text{NDF}: 14.5/17$

Left Out: 3.257 ± 0.824 $\chi^2/\text{NDF}: 36.8/25$

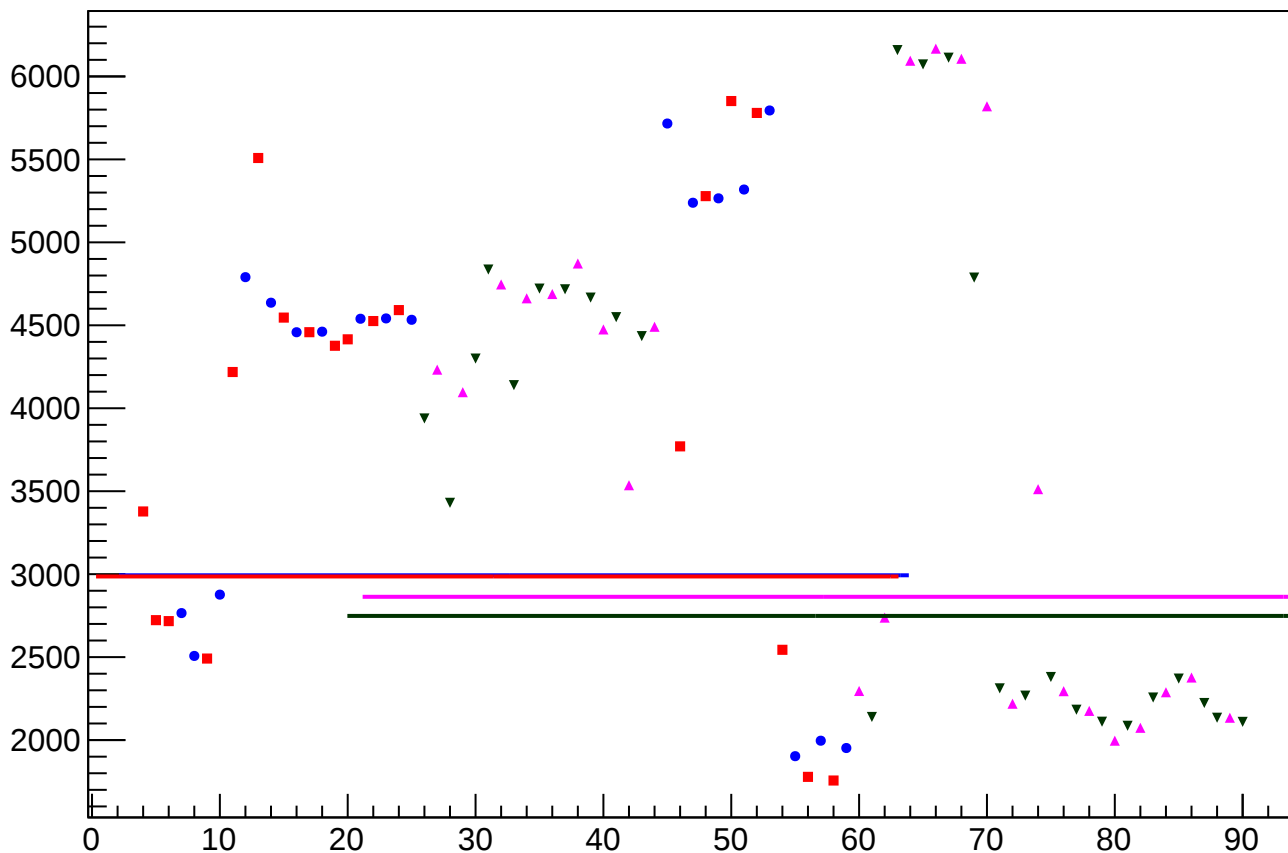
Right Out: -1.438 ± 1.040 $\chi^2/\text{NDF}: 14.4/18$

Left In: -0.070 ± 0.853 $\chi^2/\text{NDF}: 35.2/23$

2.782 ± 0.630 $\chi^2/\text{NDF}: 52.2/43$

-0.620 ± 0.660 $\chi^2/\text{NDF}: 50.6/42$

diff_bpm4eY_rms vs slug



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

Left Out: 2748.353 $\pm$ 0.583 χ^2 /NDF:3181013.3/25

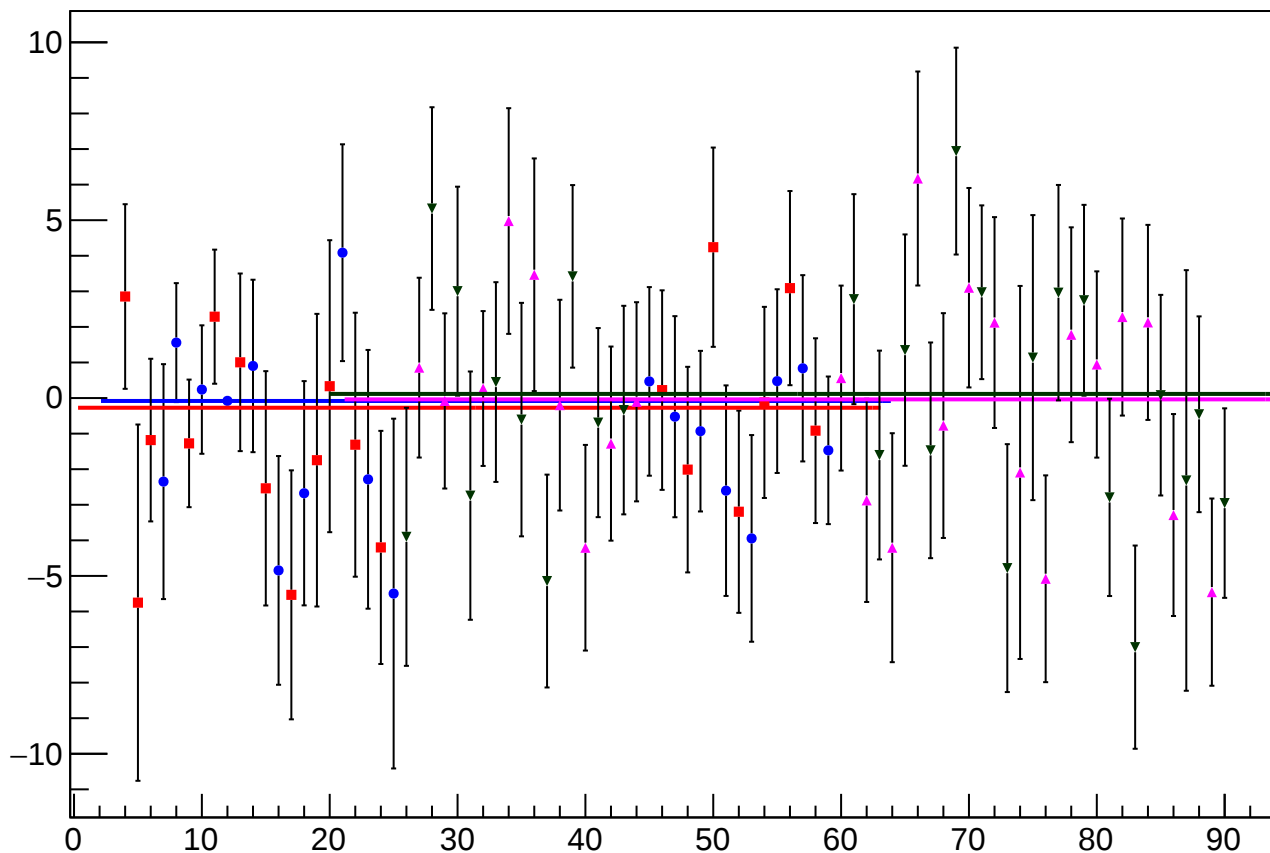
Right Out: 2986.116 $\pm$ 0.736 χ^2 /NDF: 2945634.2/18

Left In: 2863.573 $\pm$ 0.603 χ^2 /NDF:3425560.6/23

2849.878 $\pm$ 0.446 χ^2 /NDF: 6572372.0/43

2912.847 $\pm$ 0.466 χ^2 /NDF: 6387788.7/42

diff_bpm4acX_mean vs slug



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

Left Out: 0.117 ± 0.584 χ^2/NDF : 32.3/25

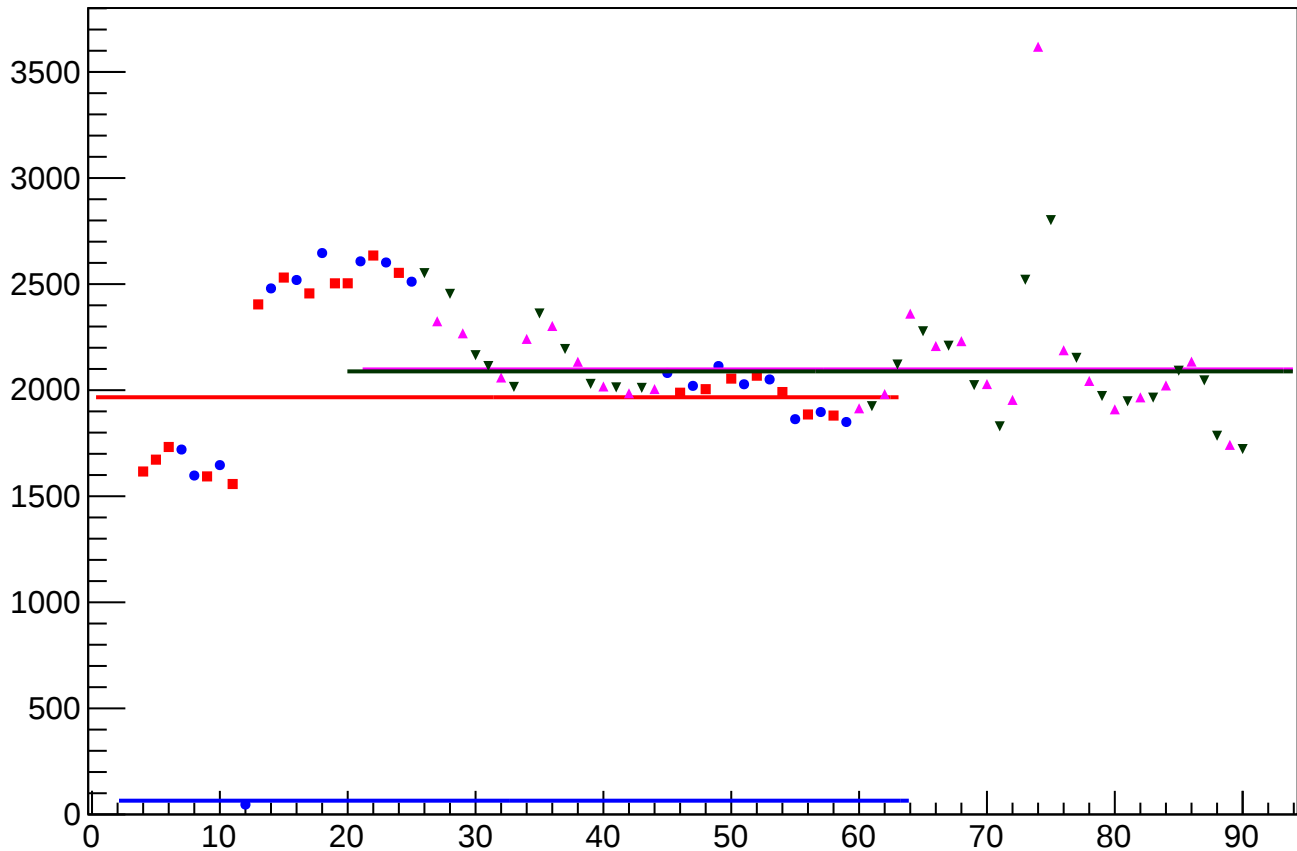
Right Out: -0.272 ± 0.631 χ^2/NDF : 15.3/18

Left In: -0.037 ± 0.579 χ^2/NDF : 25.4/23

-0.080 ± 0.060 χ^2/NDF : 43.7/43

-0.145 ± 0.427 χ^2/NDF : 40.8/42

diff_bpm4acX_rms vs slug



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

Left Out: 2088.594+/-0.413 χ^2 /NDF: 298424.7/25

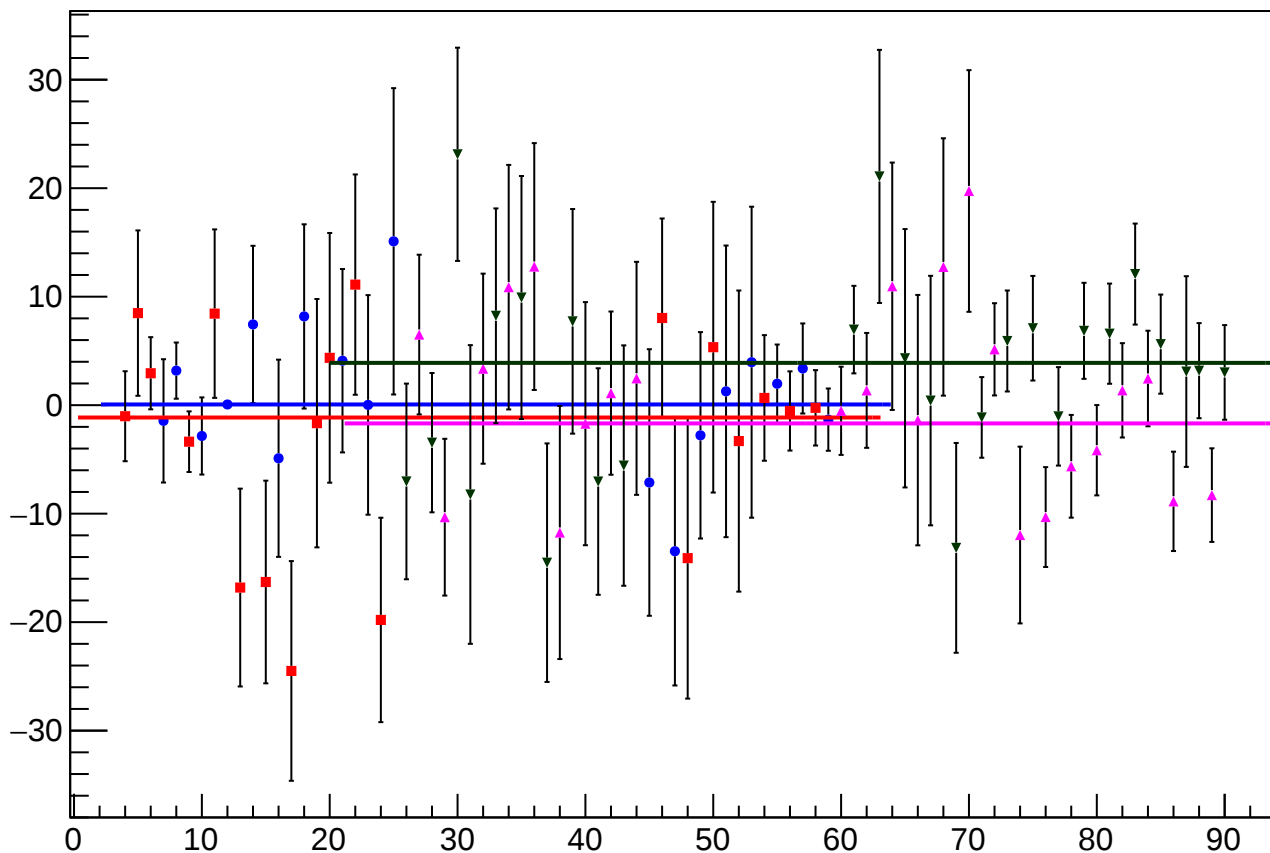
Right Out: 1966.634+/-0.446 χ^2 /NDF: 610680.3/18

Left In: 2097.780+/-0.409 χ^2 /NDF: 308560.0/23

86.075+/-0.042 χ^2 /NDF: 44315533.2/43

2037.844+/-0.302 χ^2 /NDF: 966118.7/42

diff_bpm4acY_mean vs slug



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

Left Out: 3.899 ± 1.179 χ^2/NDF : 26.3/25

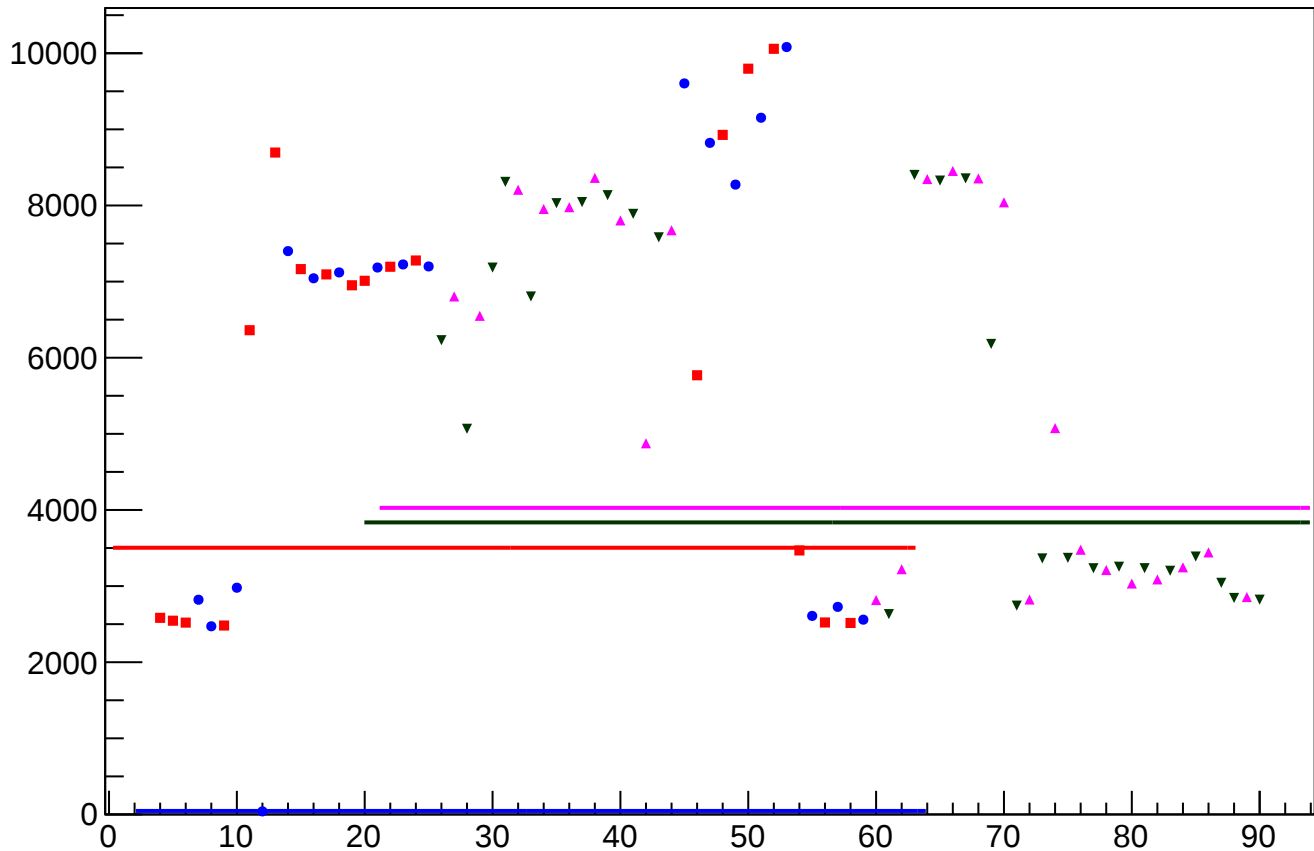
Right Out: -1.137 ± 1.295 χ^2/NDF : 24.2/18

Left In: -1.681 ± 1.231 χ^2/NDF : 28.6/23

0.073 ± 0.052 χ^2/NDF : 45.5/43

-1.423 ± 0.892 χ^2/NDF : 53.0/42

diff_bpm4acY_rms vs slug



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

Left Out: 3836.702+/-0.834 χ^2/NDF : 4081011.0/25

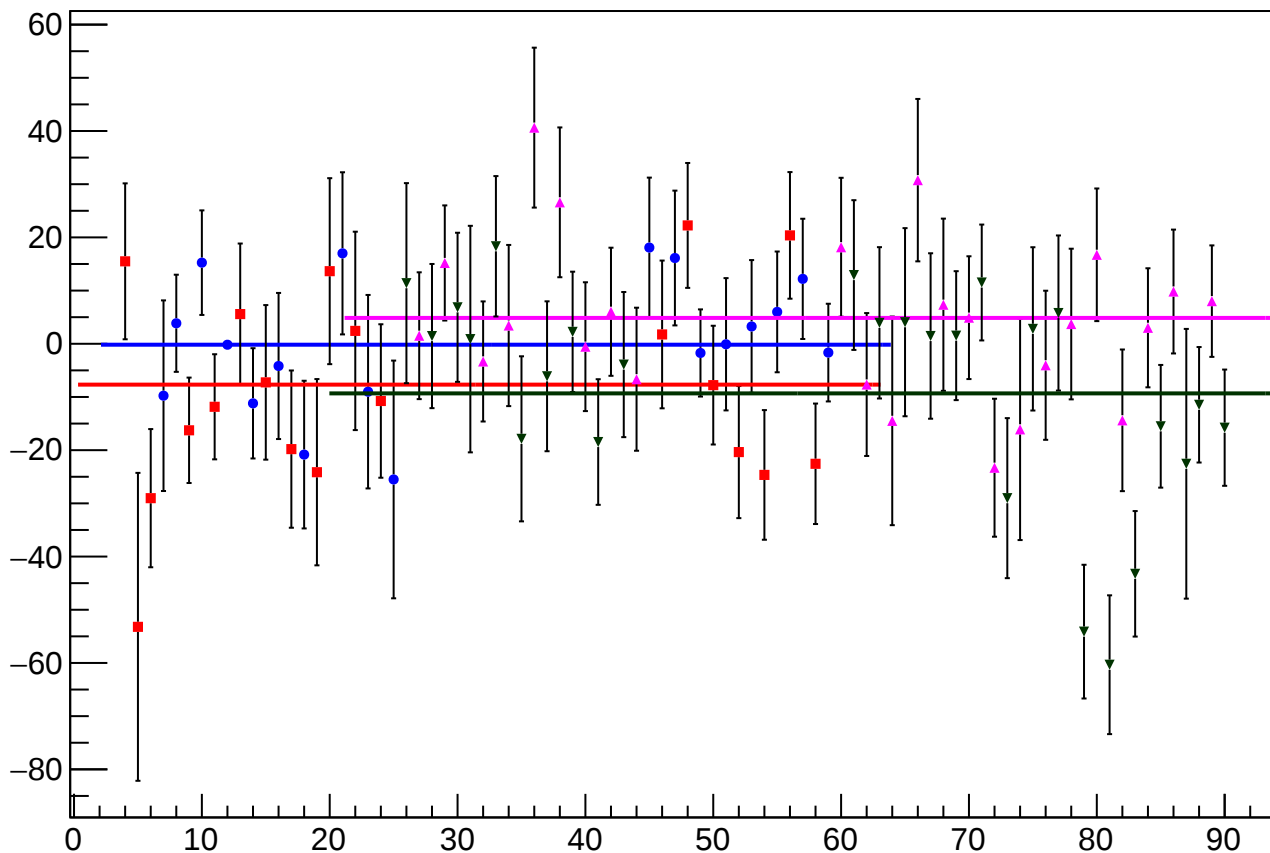
Right Out: 3503.720+/-0.916 χ^2/NDF : 4669685.2/18

Left In: 4027.951+/-0.870 χ^2/NDF : 4290347.1/23

53.635+/-0.037 χ^2/NDF : 44881727.8/43

3779.226+/-0.631 χ^2/NDF : 9132216.4/42

diff_bpm4ecX_mean vs slug



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

Left Out: -9.326 ± 2.653 $\chi^2/\text{NDF}: 59.5/25$

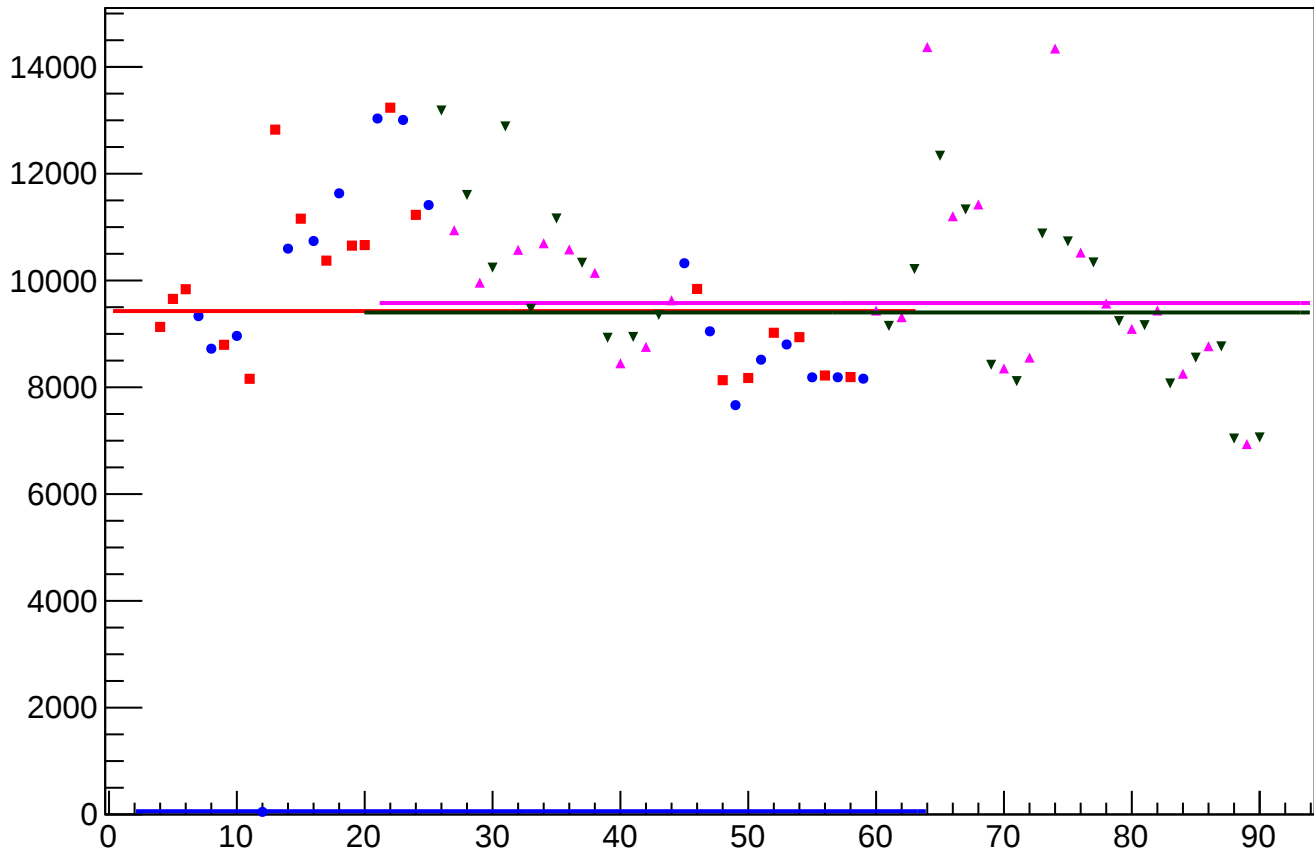
Right Out: -7.679 ± 3.015 $\chi^2/\text{NDF}: 30.2/18$

Left In: 4.862 ± 2.663 $\chi^2/\text{NDF}: 25.7/23$

-0.189 ± 0.106 $\chi^2/\text{NDF}: 85.7/43$

-0.633 ± 1.996 $\chi^2/\text{NDF}: 65.7/42$

diff_bpm4ecX_rms vs slug



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

Left Out: 9401.386 $\pm$ 1.876 χ^2 /NDF: 636893.8/25

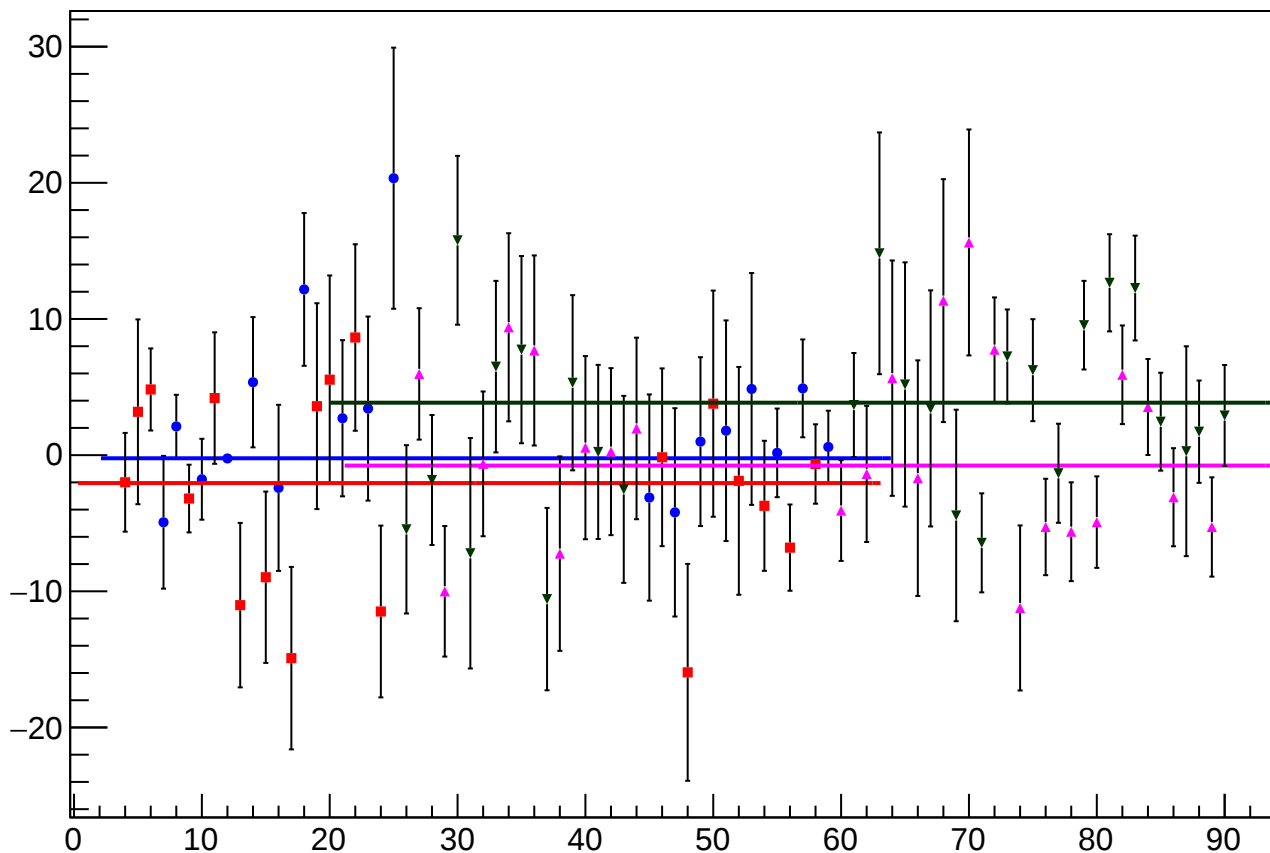
Right Out: 9427.549 $\pm$ 2.132 χ^2 /NDF: 447350.4/18

Left In: 9578.180 $\pm$ 1.883 χ^2 /NDF: 580110.1/23

75.765 $\pm$ 0.075 χ^2 /NDF: 46519861.3/43

9512.179 $\pm$ 1.411 χ^2 /NDF: 1030264.3/42

diff_bpm4ecY_mean vs slug



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

Left Out: 3.852 ± 0.930 χ^2/NDF : 44.2/25

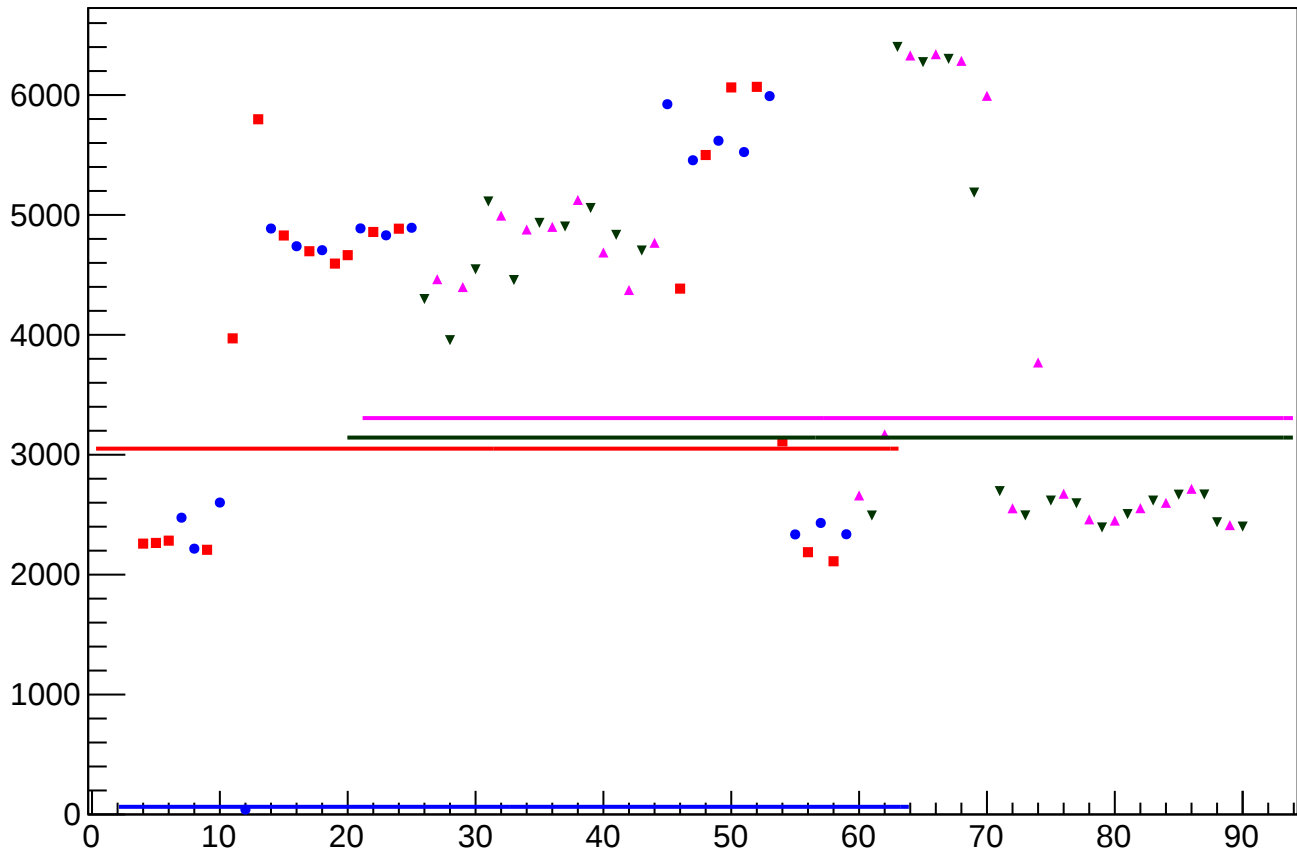
Right Out: -2.049 ± 1.055 χ^2/NDF : 27.2/18

Left In: -0.767 ± 0.967 χ^2/NDF : 37.1/23

-0.192 ± 0.089 χ^2/NDF : 80.1/43

-1.352 ± 0.713 χ^2/NDF : 65.1/42

diff_bpm4ecY_rms vs slug



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

Left Out: 3143.237 $\pm$ 0.657 χ^2 /NDF: 2680815.7/25

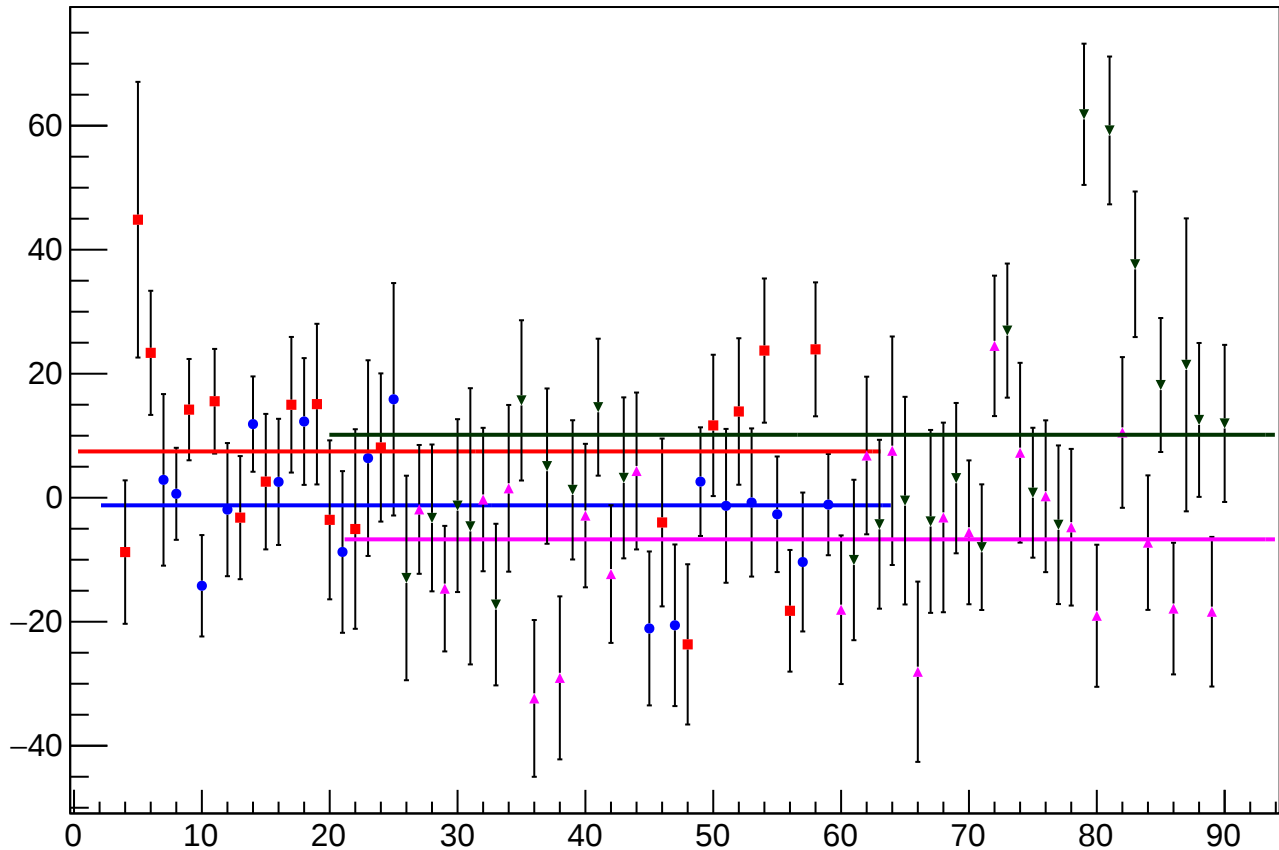
92.183 $\pm$ 0.063 χ^2 /NDF: 44684463.6/43

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

3189.390 $\pm$ 0.504 χ^2 /NDF: 5661691.0/42

Left In: 3305.661 $\pm$ 0.684 χ^2 /NDF: 2716184.5/23

diff_bpm1X_mean vs slug



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

Left Out: 10.151 ± 2.475 χ^2/NDF : 67.0/25

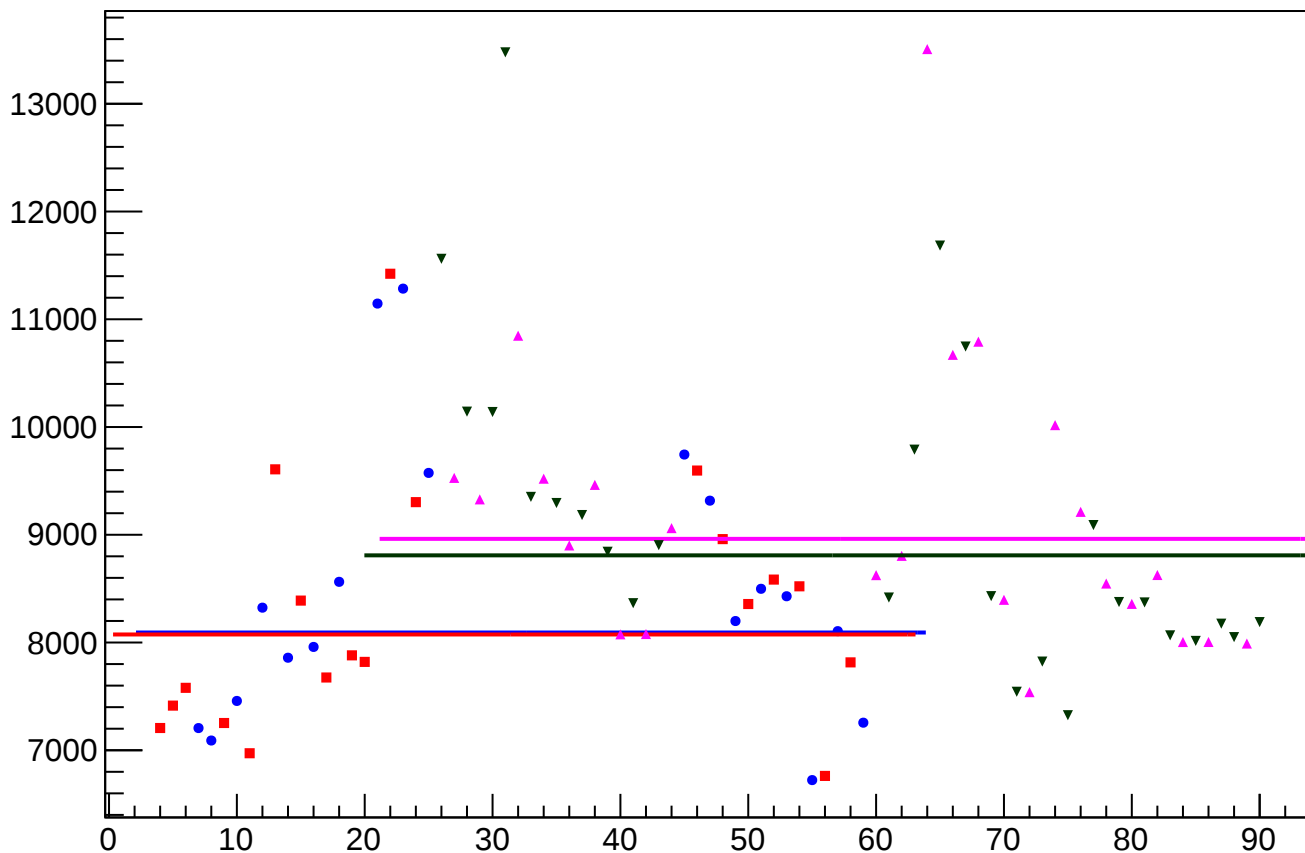
Right Out: 7.465 ± 2.574 χ^2/NDF : 30.5/18

Left In: -6.715 ± 2.480 χ^2/NDF : 28.6/23

4.357 ± 1.734 χ^2/NDF : 92.2/43

0.113 ± 1.786 χ^2/NDF : 74.8/42

diff_bpm1X_rms vs slug



Right In: 8092.852 $\pm$ 1.719 χ^2 /NDF: 389353.1/17

Left Out: 8808.977 $\pm$ 1.750 χ^2 /NDF:433225.6/25

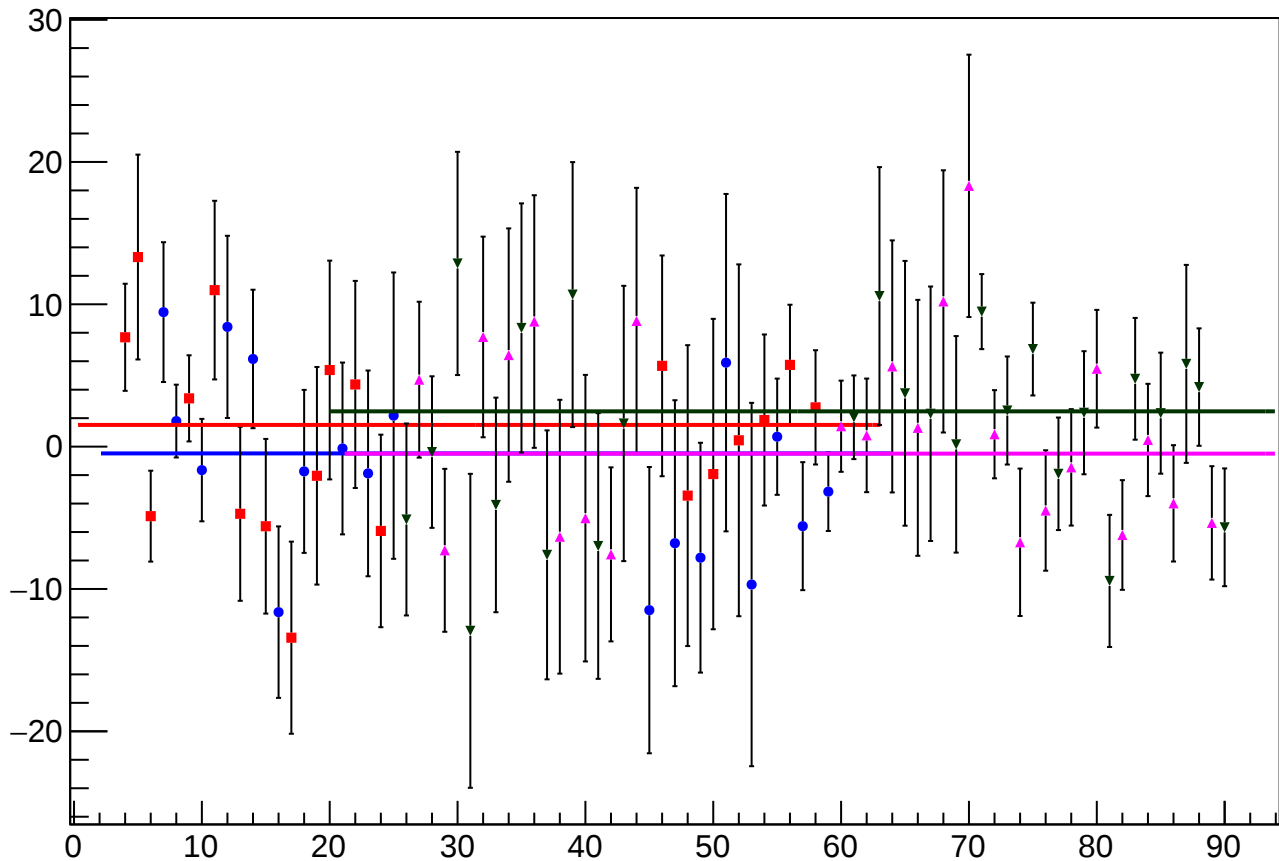
Right Out: 8074.654 $\pm$ 1.820 χ^2 /NDF: 312658.9/18

Left In: 8961.982 $\pm$ 1.754 χ^2 /NDF:374224.1/23

8444.372 $\pm$ 1.226 χ^2 /NDF: 907810.8/43

8534.718 $\pm$ 1.263 χ^2 /NDF: 810128.8/42

diff_bpm1Y_mean vs slug



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

Left Out: 2.479 ± 0.977 $\chi^2/\text{NDF}: 31.8/25$

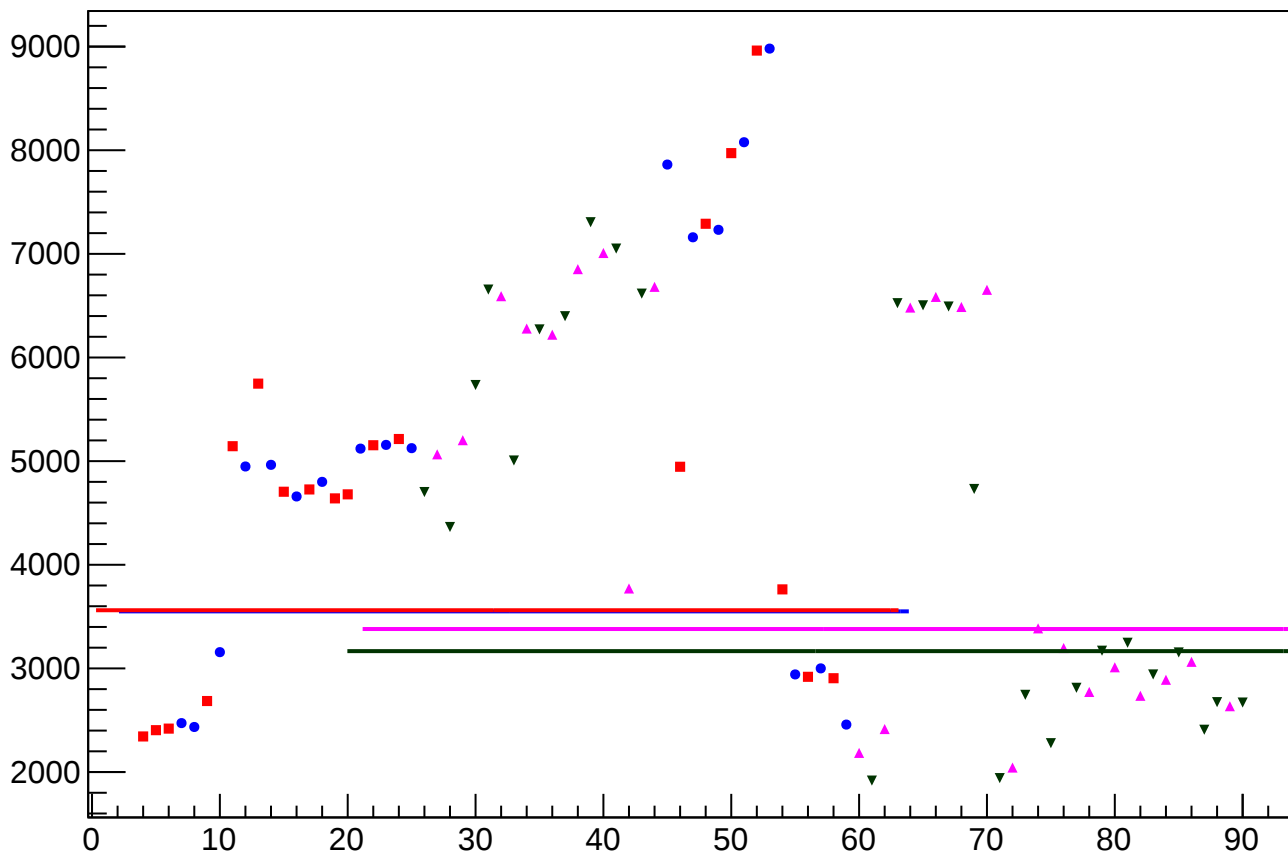
Right Out: 1.525 ± 1.232 $\chi^2/\text{NDF}: 22.9/18$

Left In: -0.491 ± 1.027 $\chi^2/\text{NDF}: 23.9/23$

1.254 ± 0.748 $\chi^2/\text{NDF}: 53.5/43$

0.336 ± 0.789 $\chi^2/\text{NDF}: 48.4/42$

diff_bpm1Y_rms vs slug



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

Left Out: 3166.697+/-0.691 χ^2/NDF : 4223449.2/25

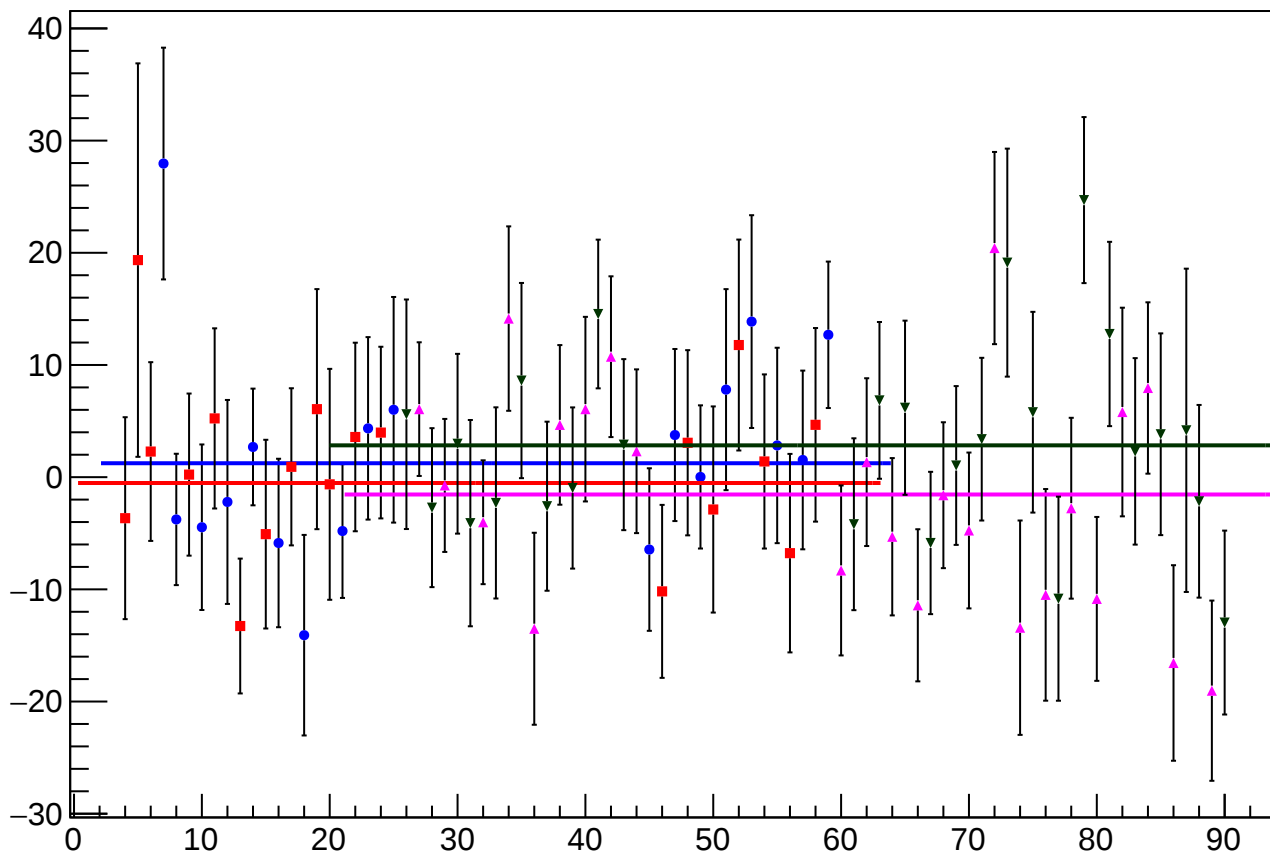
Right Out: 3561.233+/-0.871 χ^2/NDF : 2618224.4/18

Left In: 3380.103+/-0.726 χ^2/NDF : 3982696.3/23

3325.728+/-0.529 χ^2/NDF : 7645321.4/43

3454.415+/-0.558 χ^2/NDF : 6626423.4/42

diff_bpm11X_mean vs slug



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

Left Out: 2.836 ± 1.569 χ^2/NDF : 28.5/25

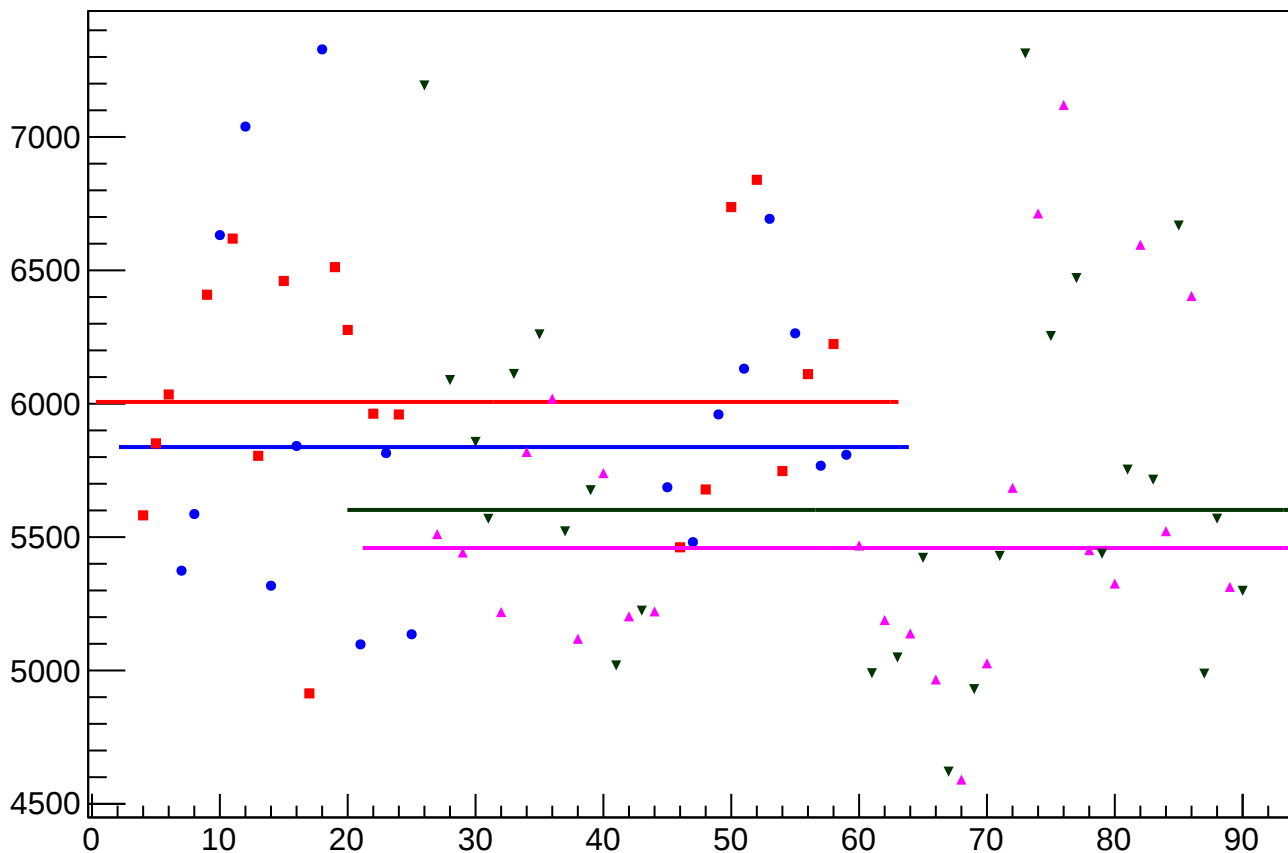
Right Out: -0.521 ± 1.907 χ^2/NDF : 12.3/18

Left In: -1.545 ± 1.508 χ^2/NDF : 36.4/23

2.126 ± 1.169 χ^2/NDF : 49.1/43

-1.151 ± 1.183 χ^2/NDF : 48.9/42

diff_bpm11X_rms vs slug



Right In: 5837.587 ± 1.239 $\chi^2/\text{NDF}: 211311.8/17$

Left Out: 5601.903 ± 1.109 $\chi^2/\text{NDF}: 314810.4/25$

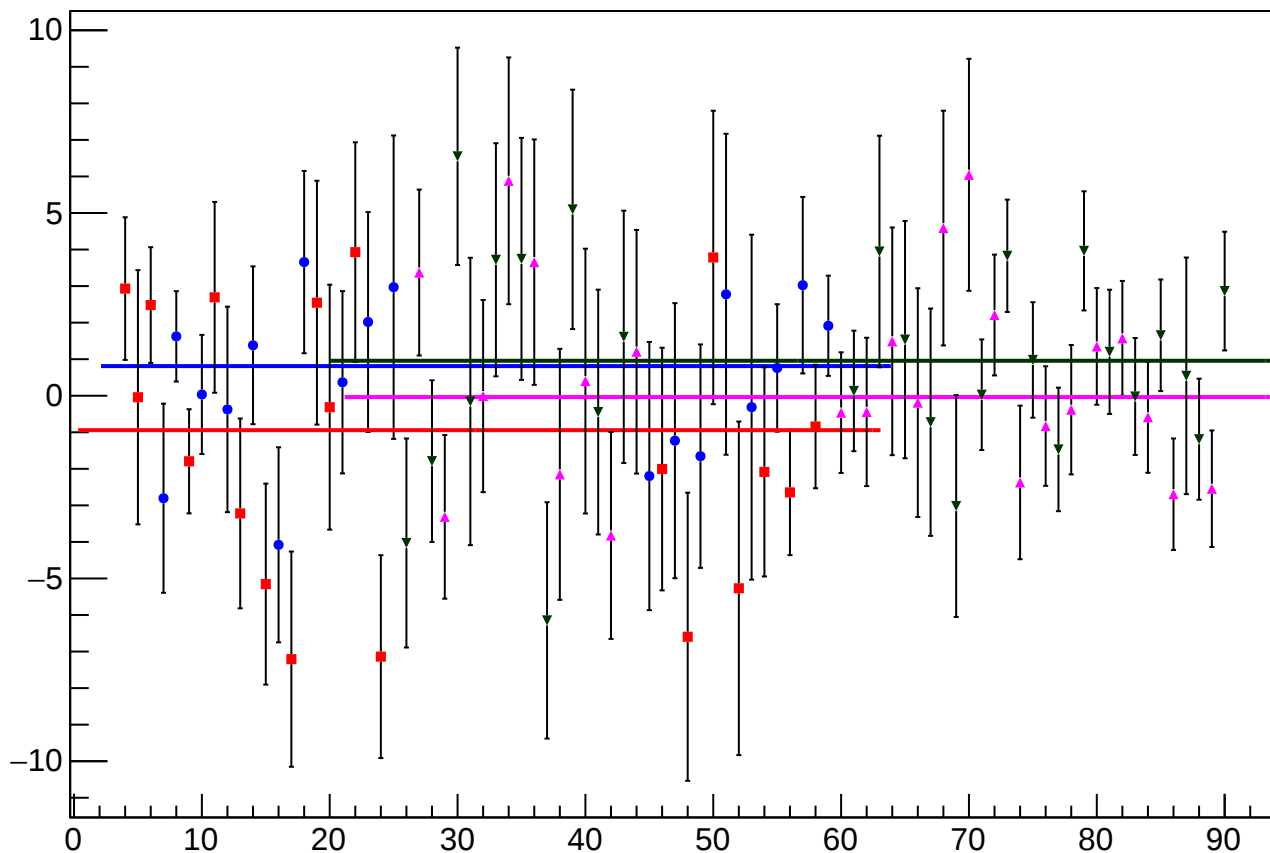
Right Out: 6006.736 ± 1.348 $\chi^2/\text{NDF}: 130455.1/18$

Left In: 5459.097 ± 1.066 $\chi^2/\text{NDF}: 241387.8/23$

5706.825 ± 0.826 $\chi^2/\text{NDF}: 546213.4/43$

5669.842 ± 0.836 $\chi^2/\text{NDF}: 473360.7/42$

diff_bpm11Y_mean vs slug



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

Left Out: 0.957 ± 0.414 χ^2/NDF : 32.5/25

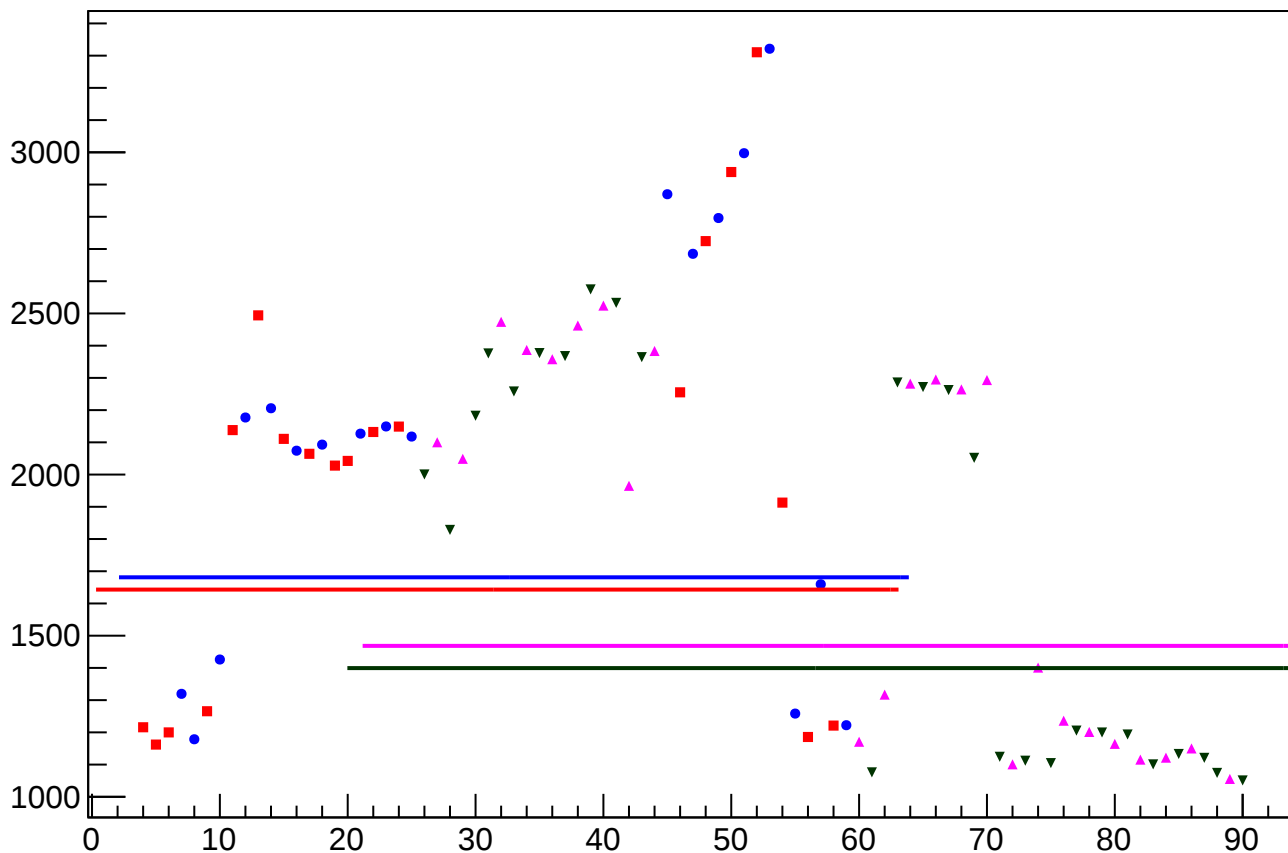
Right Out: -0.942 ± 0.553 χ^2/NDF : 32.9/18

Left In: -0.036 ± 0.429 χ^2/NDF : 27.9/23

0.902 ± 0.327 χ^2/NDF : 43.9/43

-0.377 ± 0.339 χ^2/NDF : 62.5/42

diff_bpm11Y_rms vs slug



Right In: 1681.167+/-0.376 χ^2/NDF : 2212913.1/17

Left Out: 1399.420+/-0.293 χ^2/NDF : 2797423.7/25

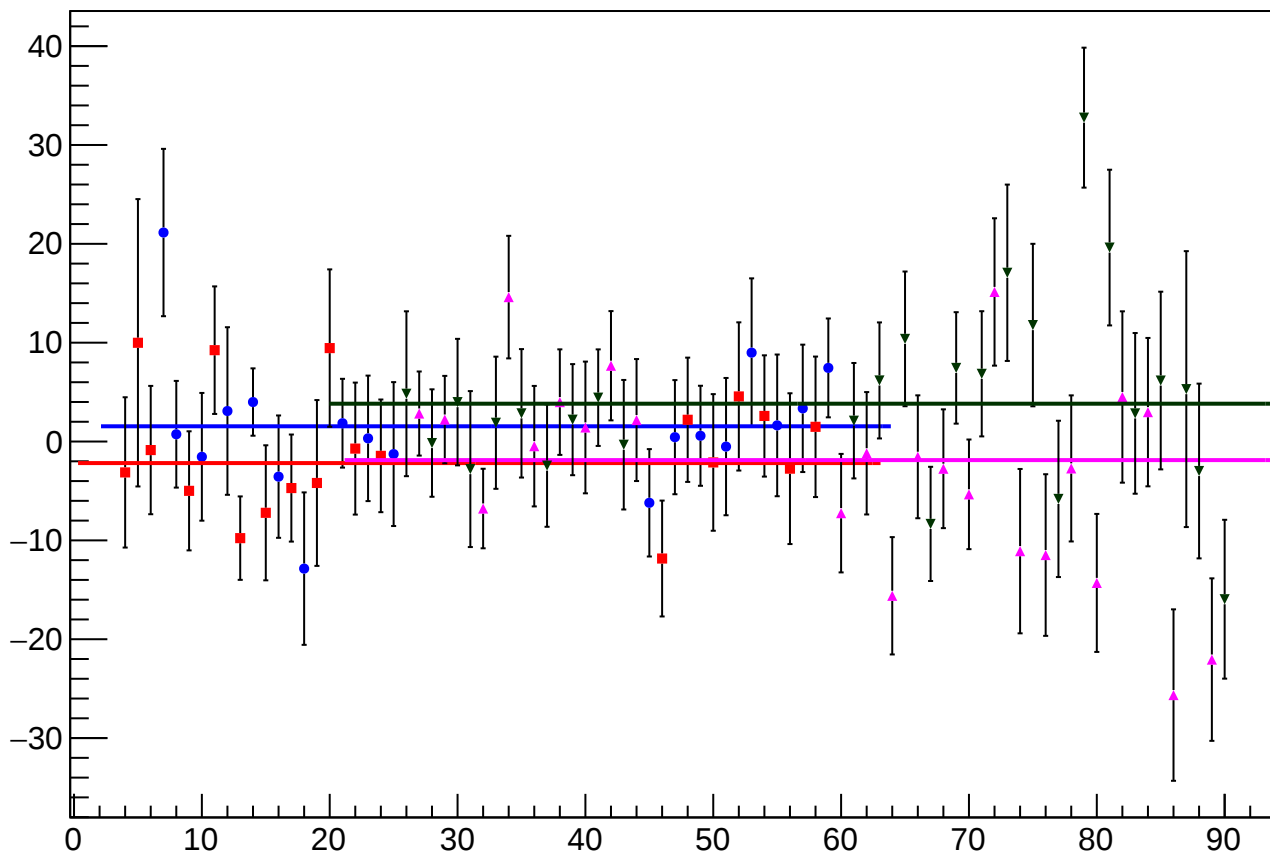
Right Out: 1643.071+/-0.391 χ^2/NDF : 1969332.5/18

Left In: 1468.413+/-0.303 χ^2/NDF : 2716145.3/23

1505.820+/-0.231 χ^2/NDF : 5359402.2/43

1534.040+/-0.239 χ^2/NDF : 4810224.1/42

diff_bpm12X_mean vs slug



Right In: 1.541 $\pm$ 1.369 χ^2 /NDF: 15.2/17

Left Out: 3.827 $\pm$ 1.331 χ^2 /NDF: 41.2/25

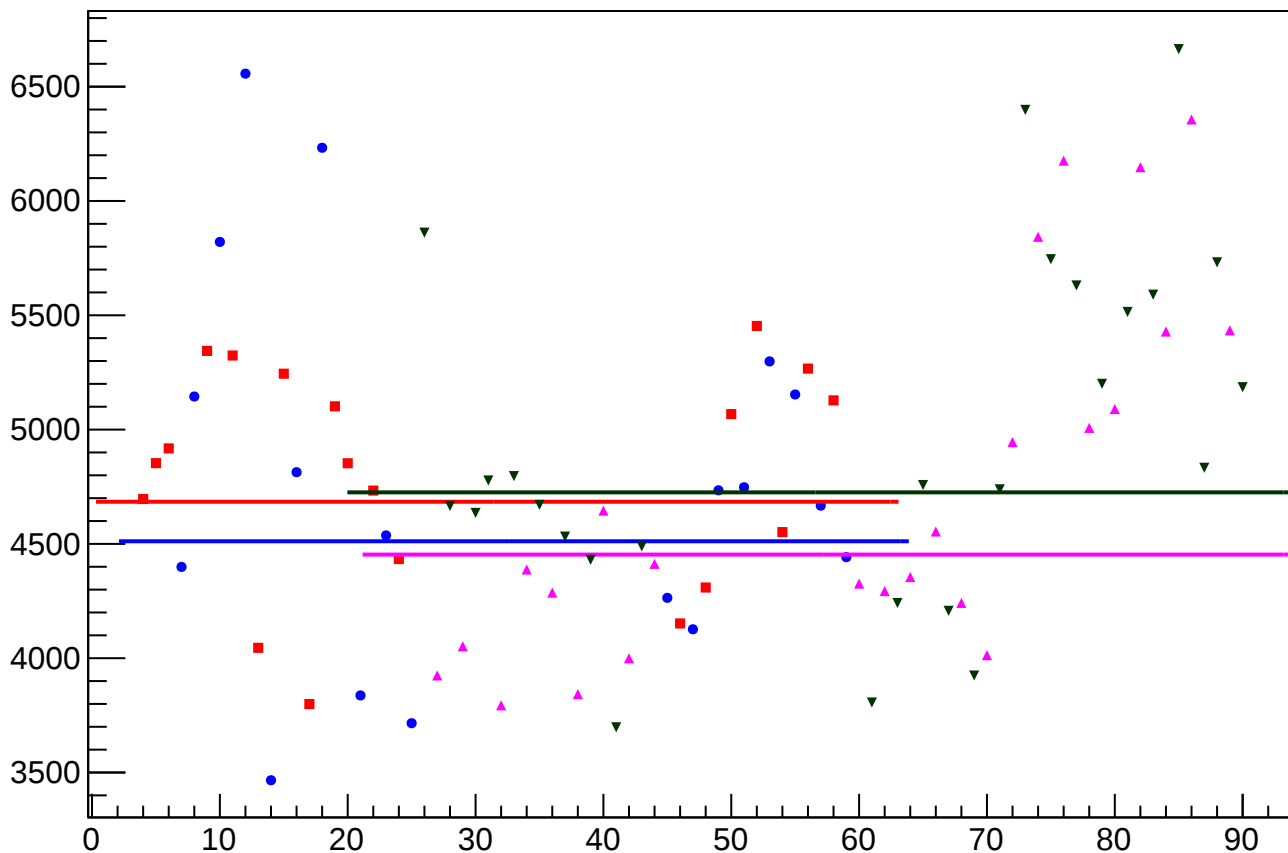
Right Out: -2.180 $\pm$ 1.492 χ^2 /NDF: 15.2/18

Left In: -1.879 $\pm$ 1.239 χ^2 /NDF: 47.6/23

2.716 $\pm$ 0.954 χ^2 /NDF: 57.8/43

-2.002 $\pm$ 0.953 χ^2 /NDF: 62.9/42

diff_bpm12X_rms vs slug



Right In: 4511.494 $\pm$ 0.968 χ^2 /NDF: 646999.1/17

Left Out: 4725.447 $\pm$ 0.941 χ^2 /NDF: 561253.1/25

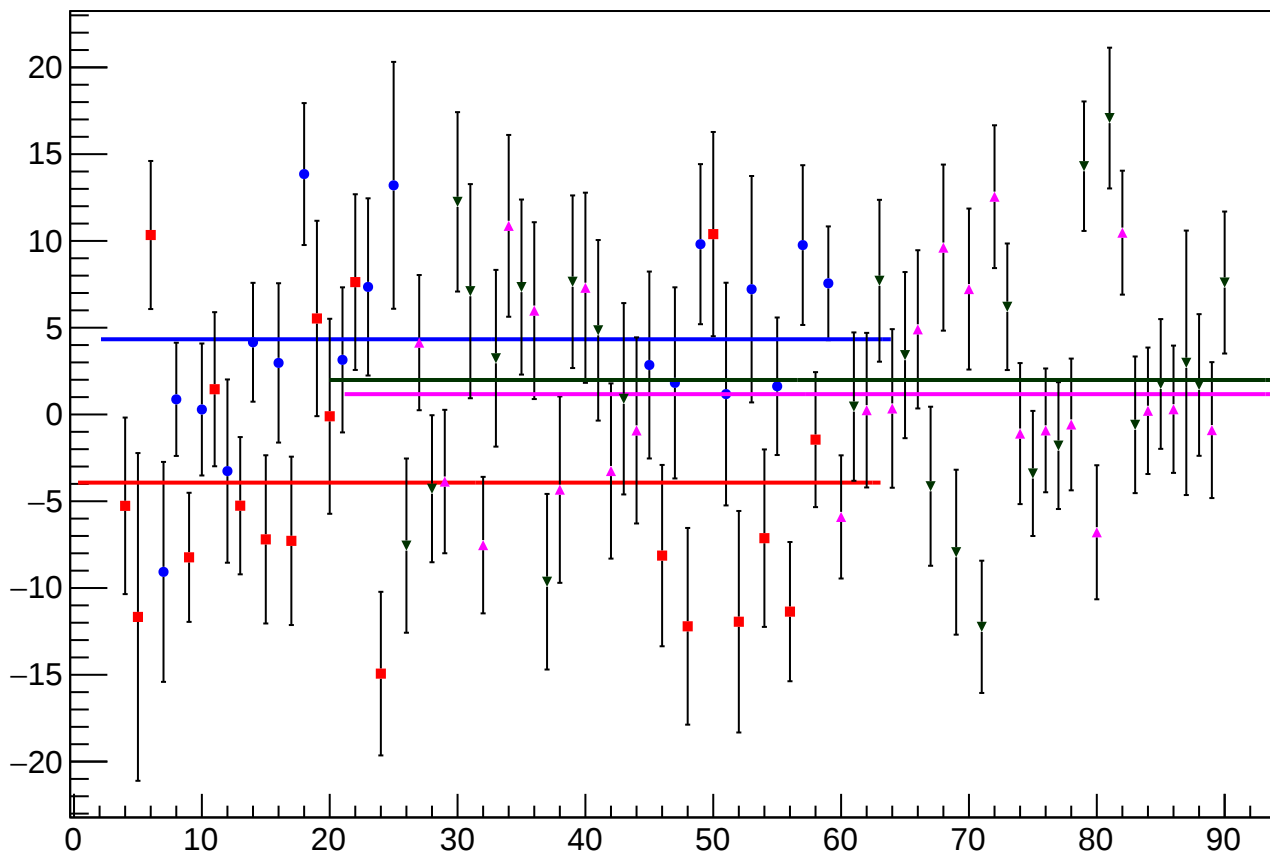
4621.491 $\pm$ 0.675 χ^2 /NDF: 1233359.8/43

Right Out: 4684.391 $\pm$ 1.055 χ^2 /NDF: 240230.9/18

4547.578 $\pm$ 0.674 χ^2 /NDF: 847510.5/42

Left In: 4453.313 $\pm$ 0.876 χ^2 /NDF: 578892.9/23

diff_bpm12Y_mean vs slug



Right In: 4.334 ± 1.055 $\chi^2/\text{NDF}: 21.3/17$

Left Out: 1.987 ± 0.869 $\chi^2/\text{NDF}: 72.1/25$

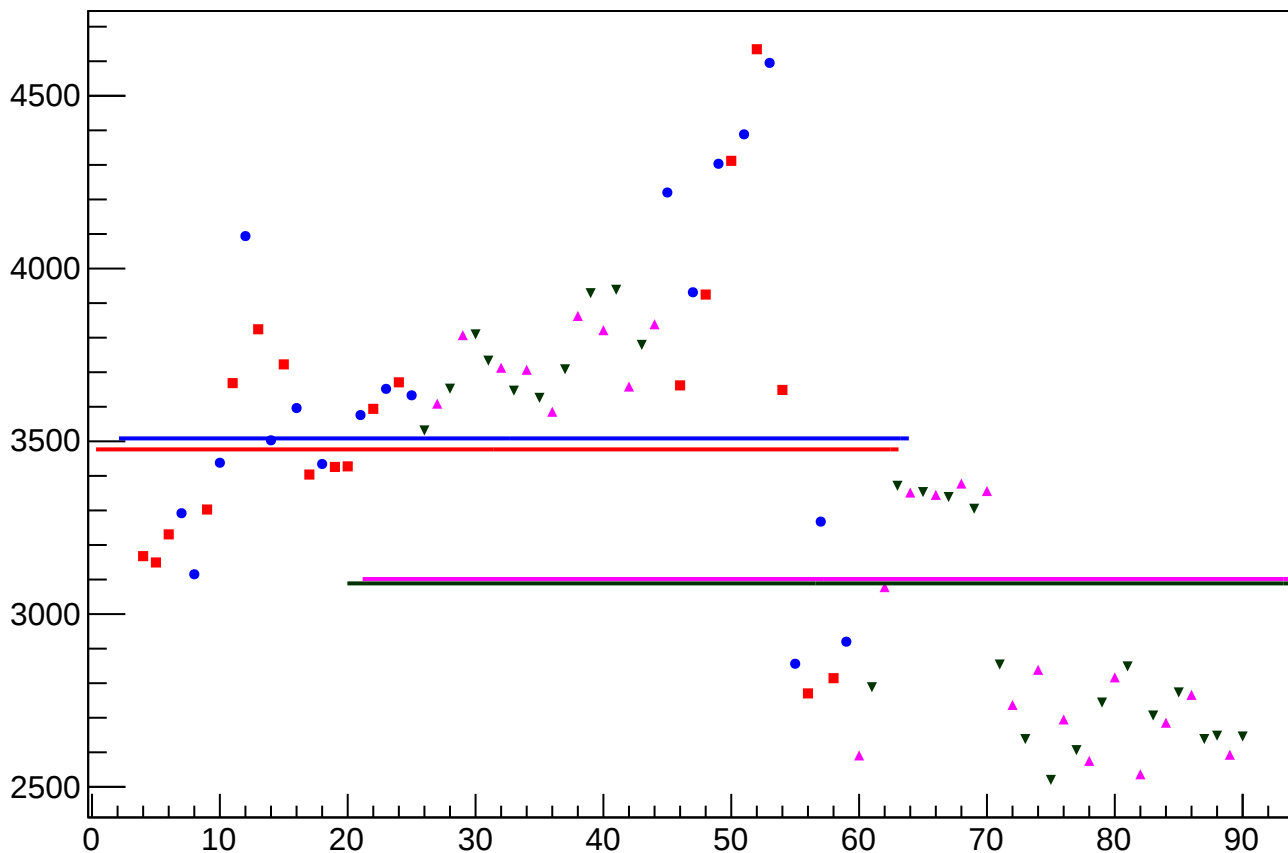
Right Out: -3.927 ± 1.110 $\chi^2/\text{NDF}: 44.2/18$

Left In: 1.171 ± 0.861 $\chi^2/\text{NDF}: 44.0/23$

2.935 ± 0.671 $\chi^2/\text{NDF}: 96.3/43$

-0.744 ± 0.680 $\chi^2/\text{NDF}: 101.4/42$

diff_bpm12Y_rms vs slug



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

Left Out: 3088.840 $\pm$ 0.614 χ^2 /NDF: 597298.3/25

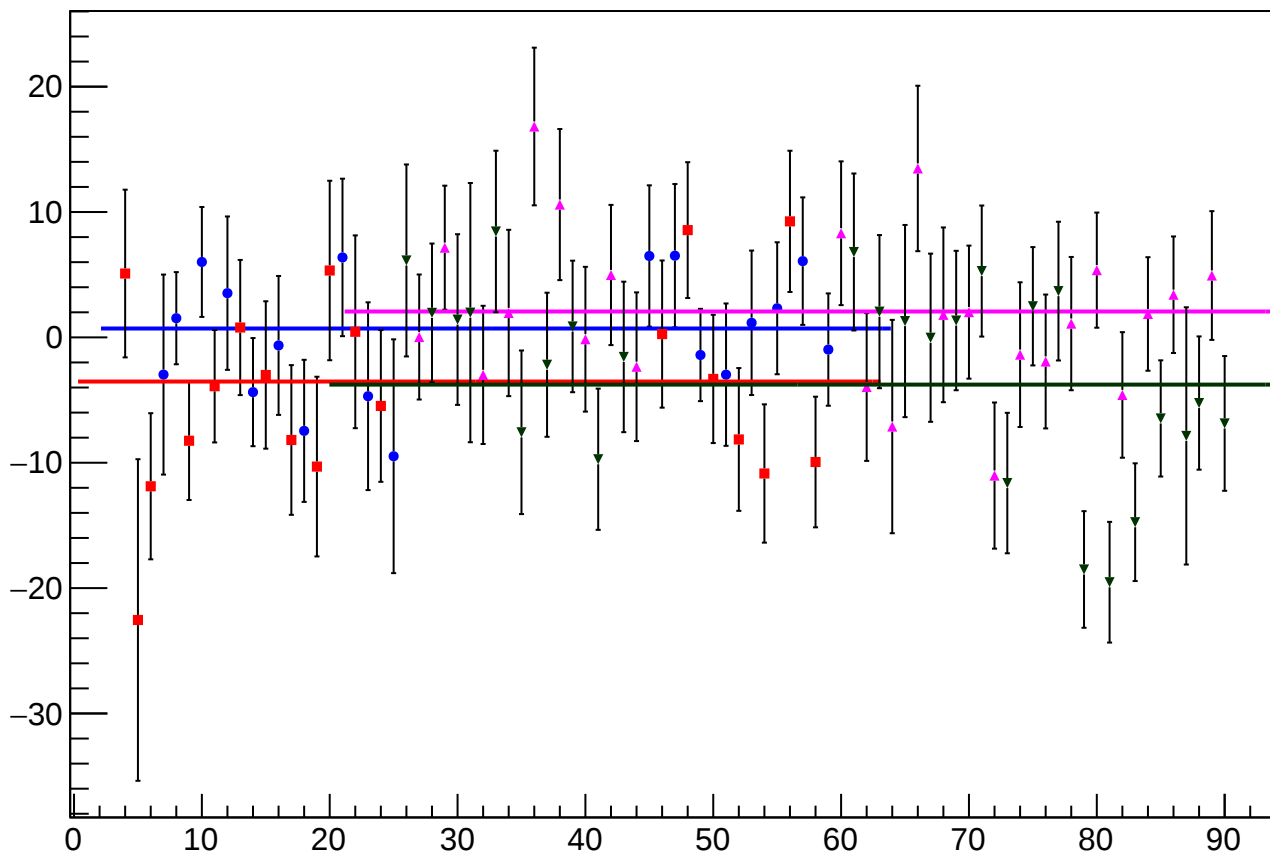
Right Out: 3476.662 $\pm$ 0.785 χ^2 /NDF: 293750.8/18

Left In: 3101.629 $\pm$ 0.609 χ^2 /NDF: 614054.0/23

3258.405 $\pm$ 0.474 χ^2 /NDF: 1169881.1/43

3242.462 $\pm$ 0.481 χ^2 /NDF: 1050414.1/42

diff_bpm16X_mean vs slug



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

Left Out: -3.767 ± 1.129 $\chi^2/\text{NDF}: 50.7/25$

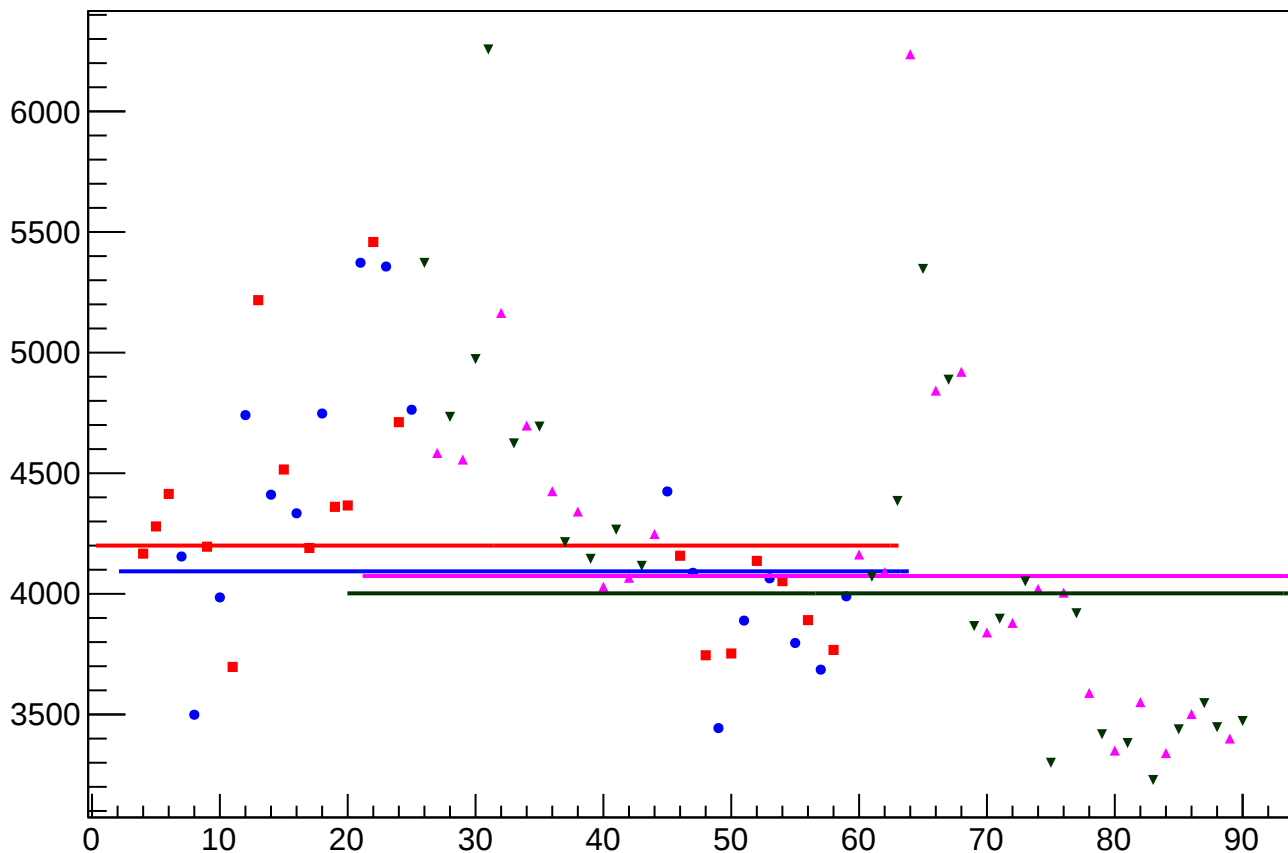
Right Out: -3.522 ± 1.336 $\chi^2/\text{NDF}: 25.4/18$

Left In: 2.066 ± 1.131 $\chi^2/\text{NDF}: 25.6/23$

-1.720 ± 0.831 $\chi^2/\text{NDF}: 70.1/43$

-0.266 ± 0.863 $\chi^2/\text{NDF}: 61.2/42$

diff_bpm16X_rms vs slug



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

Left Out: 4002.049 $\pm$ 0.798 χ^2 /NDF:630461.1/25

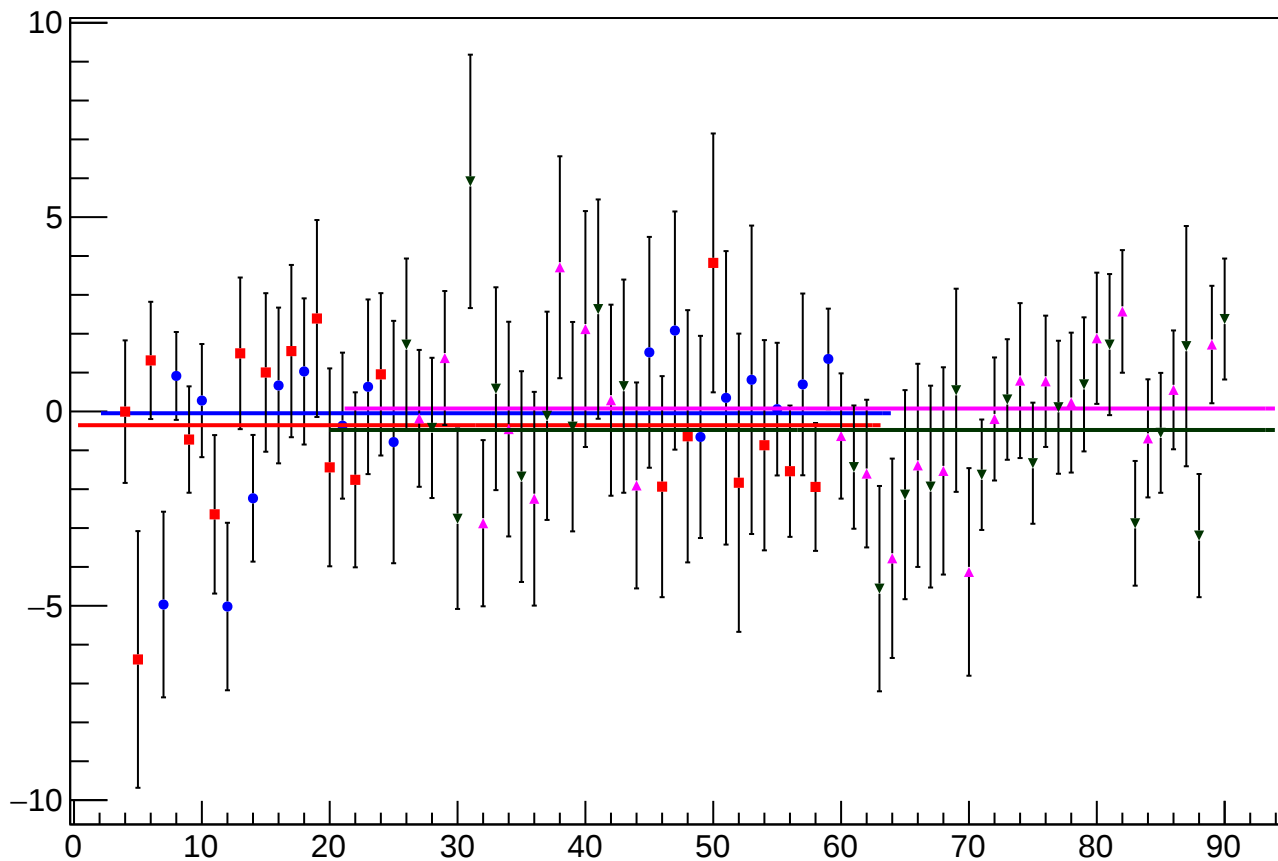
Right Out: 4200.125 $\pm$ 0.945 χ^2 /NDF: 225858.3/18

Left In: 4073.926 $\pm$ 0.800 χ^2 /NDF:546233.8/23

4043.844 $\pm$ 0.588 χ^2 /NDF: 996152.3/43

4126.595 $\pm$ 0.610 χ^2 /NDF: 782490.3/42

diff_bpm16Y_mean vs slug



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

Left Out: -0.477 ± 0.389 χ^2/NDF : 23.5/25

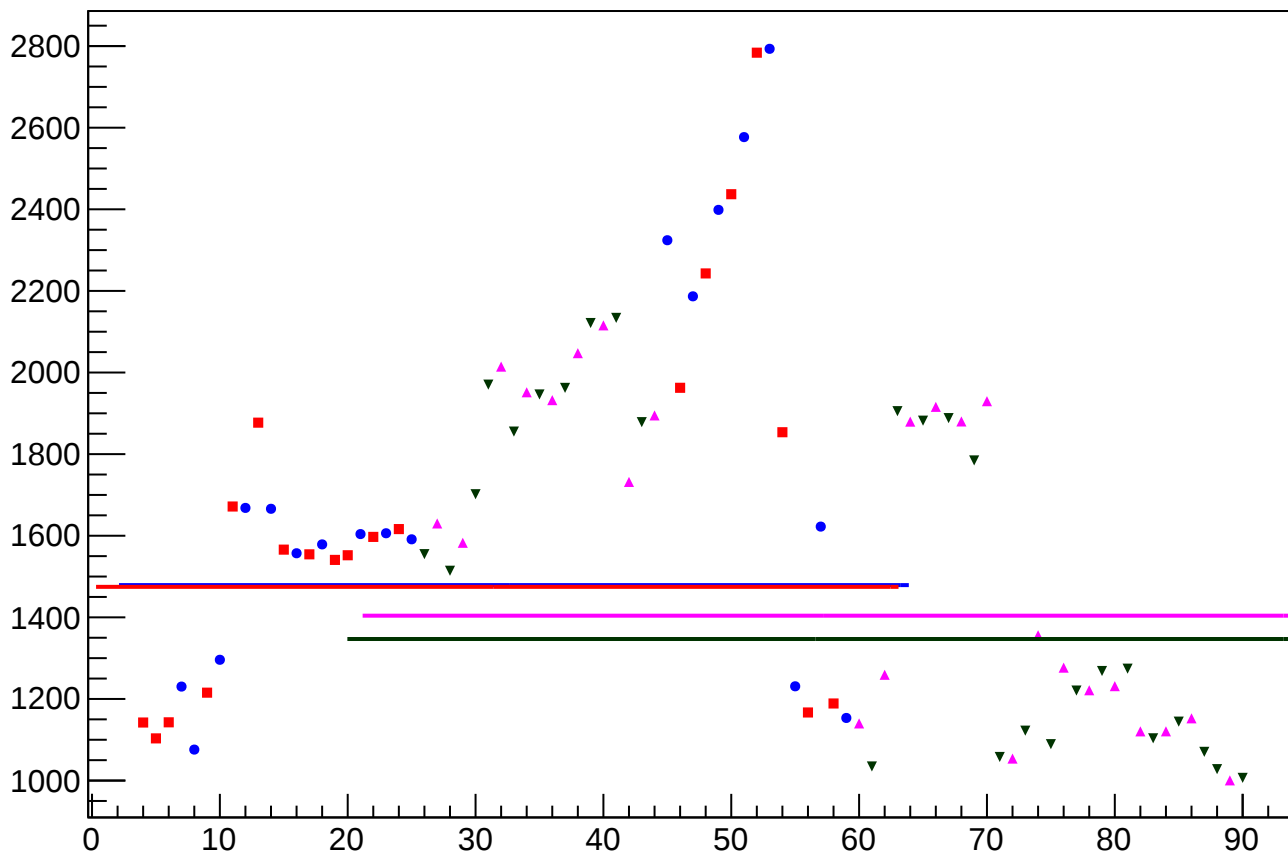
Right Out: -0.354 ± 0.483 χ^2/NDF : 13.6/18

Left In: 0.076 ± 0.399 χ^2/NDF : 17.8/23

-0.296 ± 0.297 χ^2/NDF : 38.9/43

-0.098 ± 0.308 χ^2/NDF : 31.9/42

diff_bpm16Y_rms vs slug



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

Left Out: 1346.919 $\pm$ 0.275 χ^2 /NDF:1689737.7/25

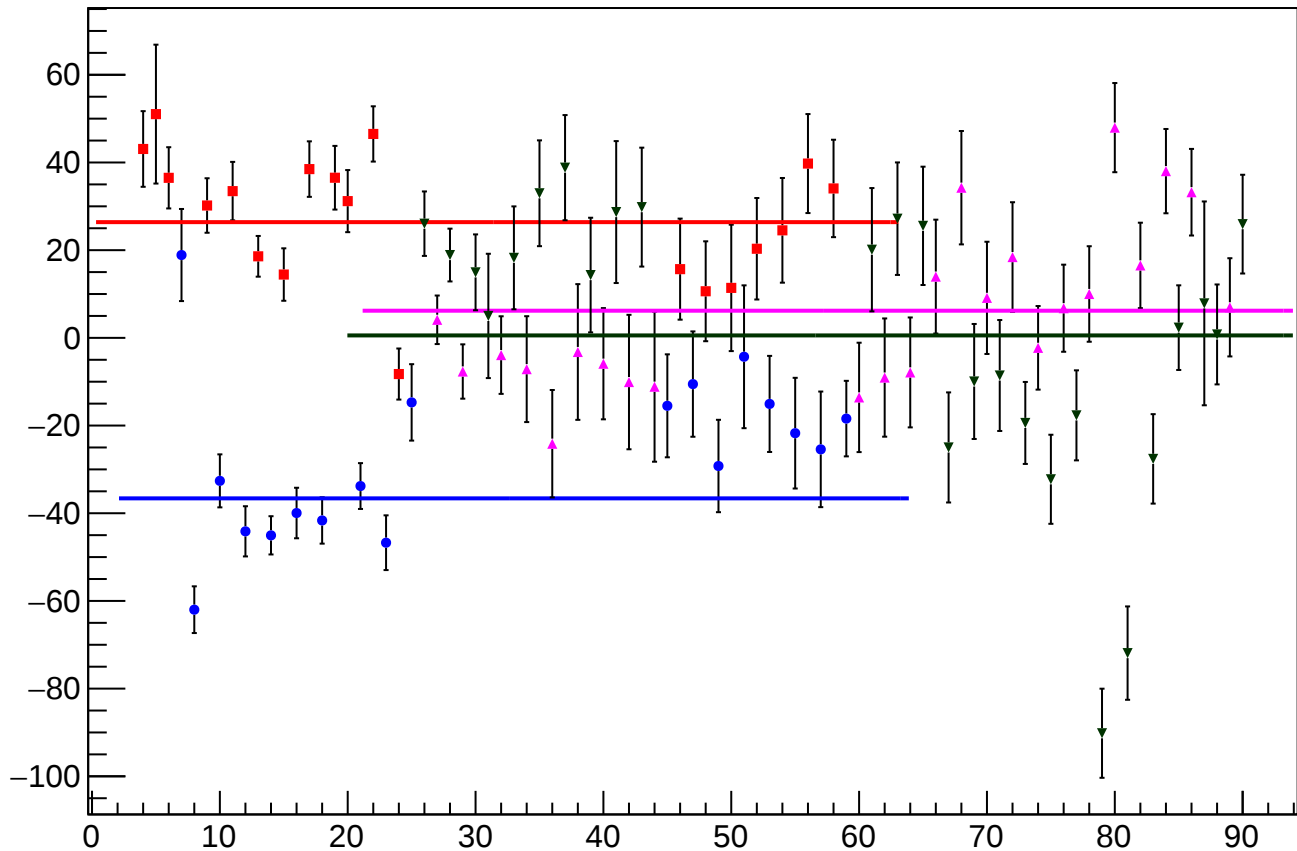
Right Out: 1474.750 $\pm$ 0.342 χ^2 /NDF: 1125200.2/18

Left In: 1404.093 $\pm$ 0.282 χ^2 /NDF:1520357.2/23

1402.225 $\pm$ 0.210 χ^2 /NDF: 3245689.1/43

1432.722 $\pm$ 0.218 χ^2 /NDF: 2670974.8/42

diff_bpm0l01X_mean vs slug



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

Left Out: 0.557 ± 2.120 χ^2/NDF : 224.6/25

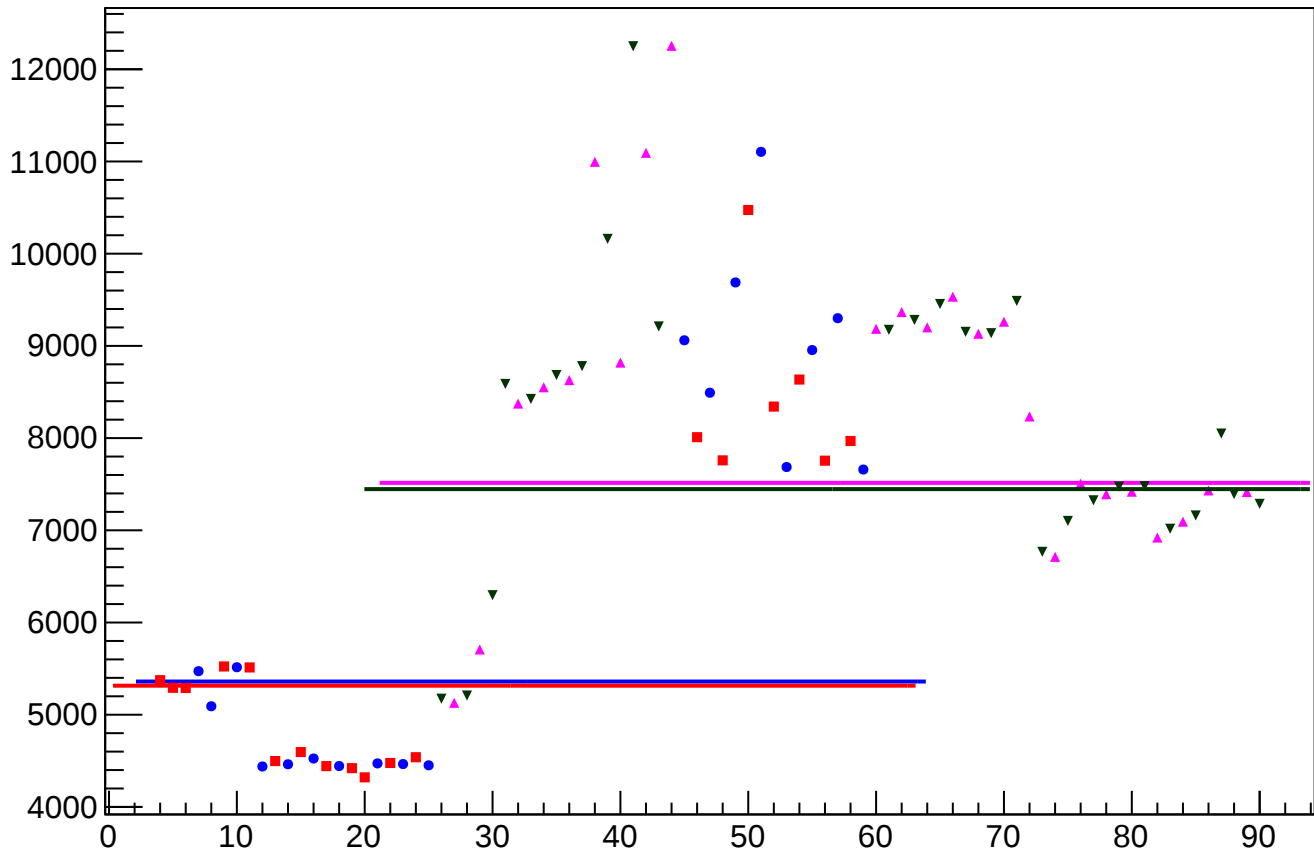
Right Out: 26.394 ± 1.742 χ^2/NDF : 74.2/18

Left In: 6.193 ± 2.110 χ^2/NDF : 65.7/23

-22.333 ± 1.314 χ^2/NDF : 503.7/43

18.208 ± 1.343 χ^2/NDF : 194.4/42

diff_bpm0l01X_rms vs slug



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

Left Out: 7446.760+/-1.499 χ^2/NDF :1129558.0/25

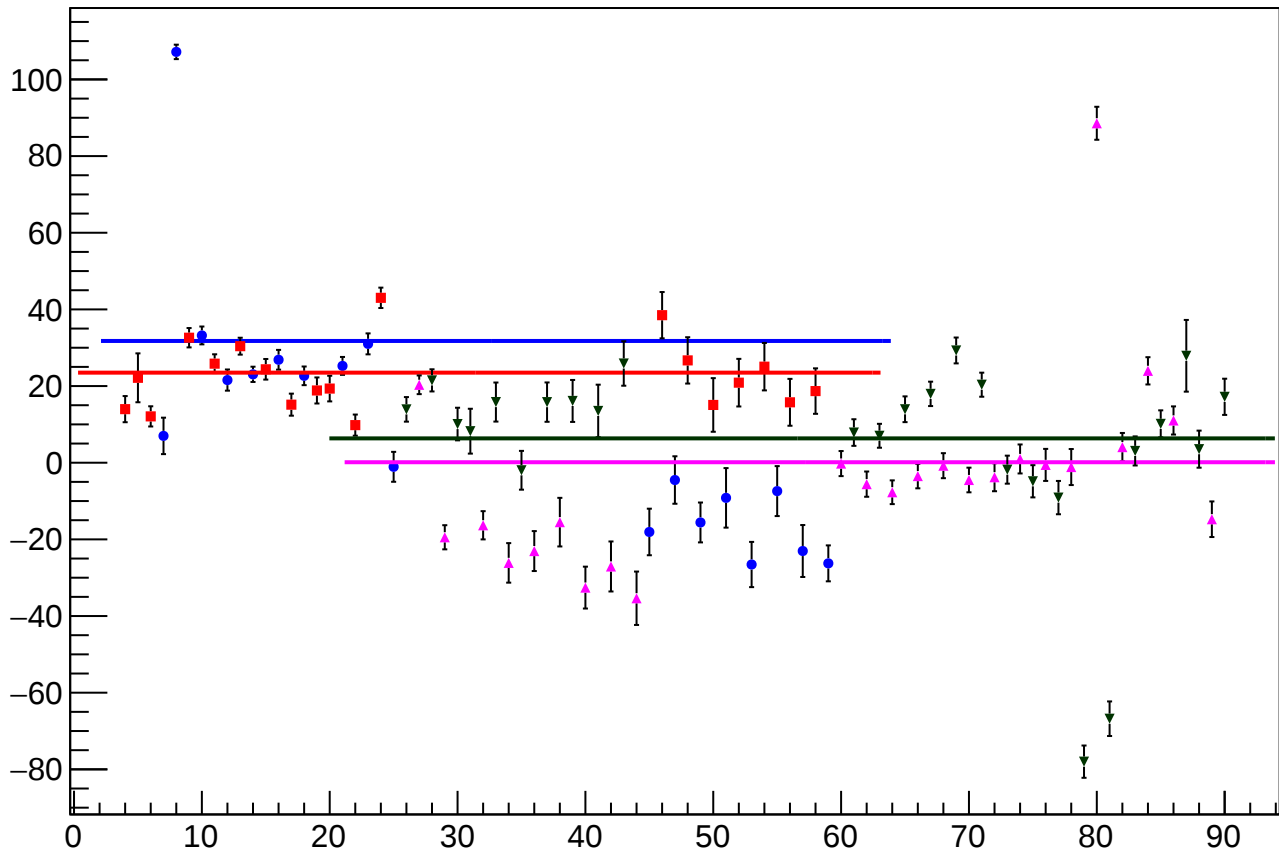
6161.465+/-0.929 χ^2/NDF : 4183217.0/43

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

6206.329+/-0.950 χ^2/NDF : 3757780.6/42

Left In: 7514.451+/-1.492 χ^2/NDF :1235861.7/23

diff_bpm0l01Y_mean vs slug



Right In: 31.767 ± 0.741 χ^2/NDF : 2323.1/17

Left Out: 6.349 ± 0.790 χ^2/NDF : 845.4/25

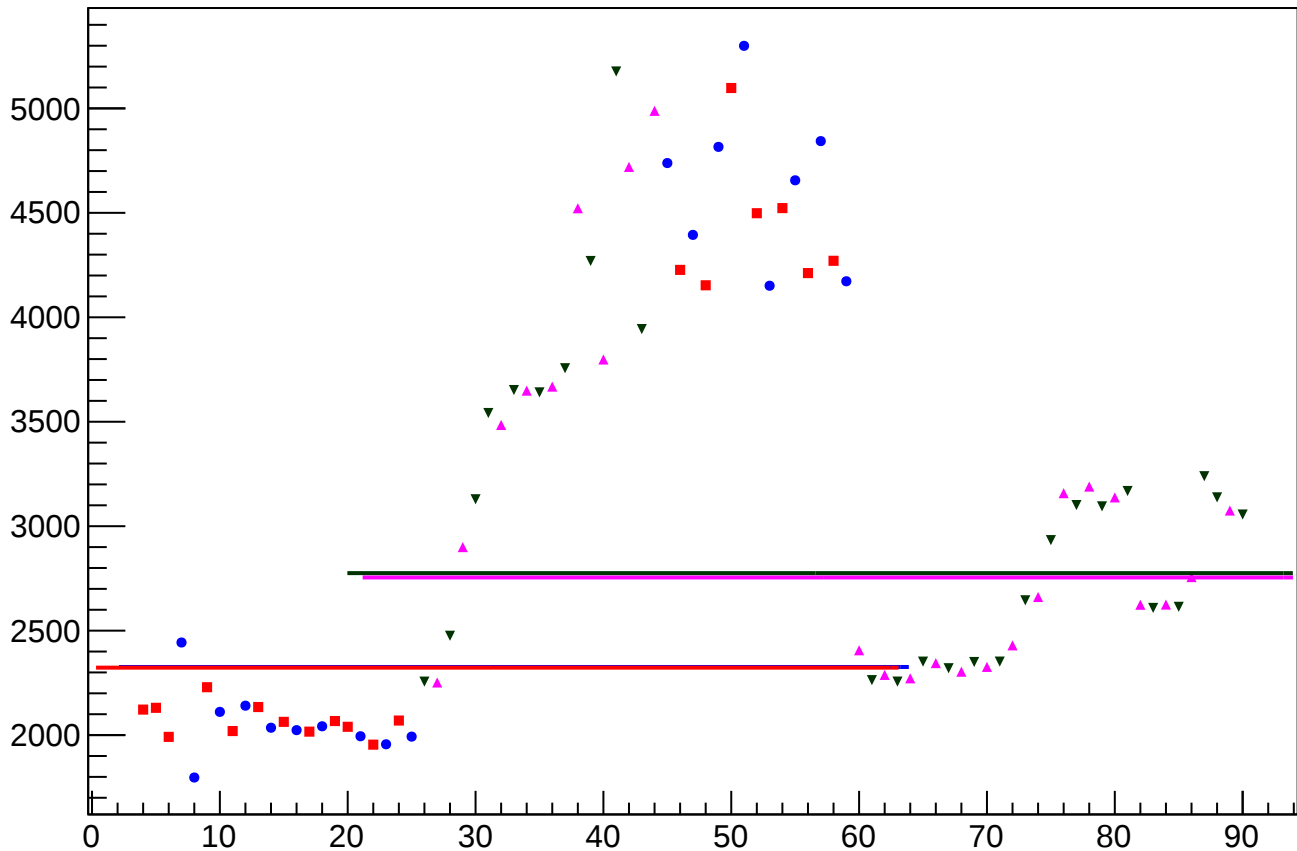
Right Out: 23.500 ± 0.773 χ^2/NDF : 151.3/18

Left In: 0.127 ± 0.773 χ^2/NDF : 760.1/23

19.872 ± 0.540 χ^2/NDF : 3719.5/43

11.822 ± 0.547 χ^2/NDF : 1368.6/42

diff_bpm0l01Y_rms vs slug



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

Left Out: 2775.393 $\pm$ 0.559 χ^2 /NDF:1103277.7/25

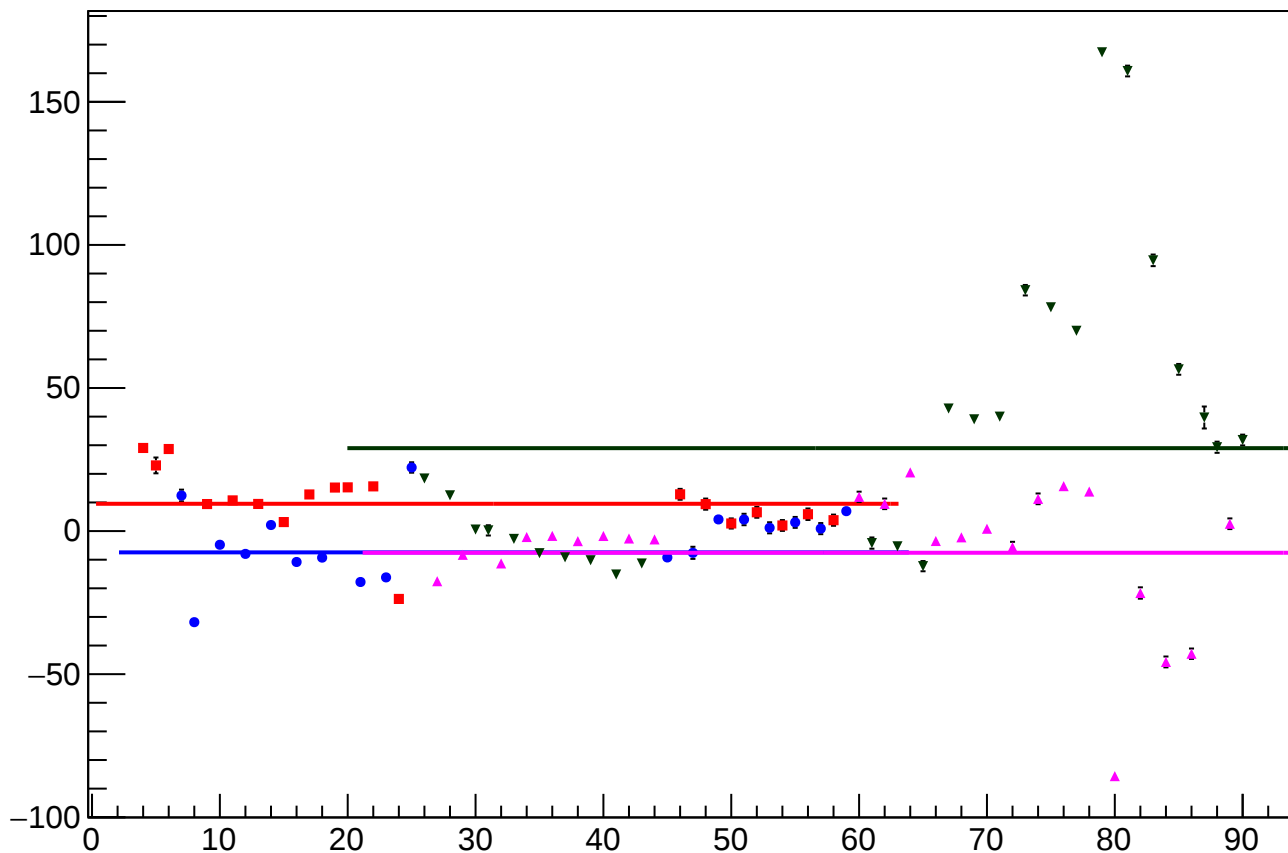
Right Out: 2322.918 $\pm$ 0.546 χ^2 /NDF: 1810759.5/18

Left In: 2754.653 $\pm$ 0.547 χ^2 /NDF:1206525.9/23

2536.350 $\pm$ 0.382 χ^2 /NDF: 4144109.4/43

2538.625 $\pm$ 0.386 χ^2 /NDF: 3329308.7/42

diff_bpm2i01X_mean vs slug



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

Left Out: 28.978 ± 0.320 χ^2/NDF : 22418.0/25

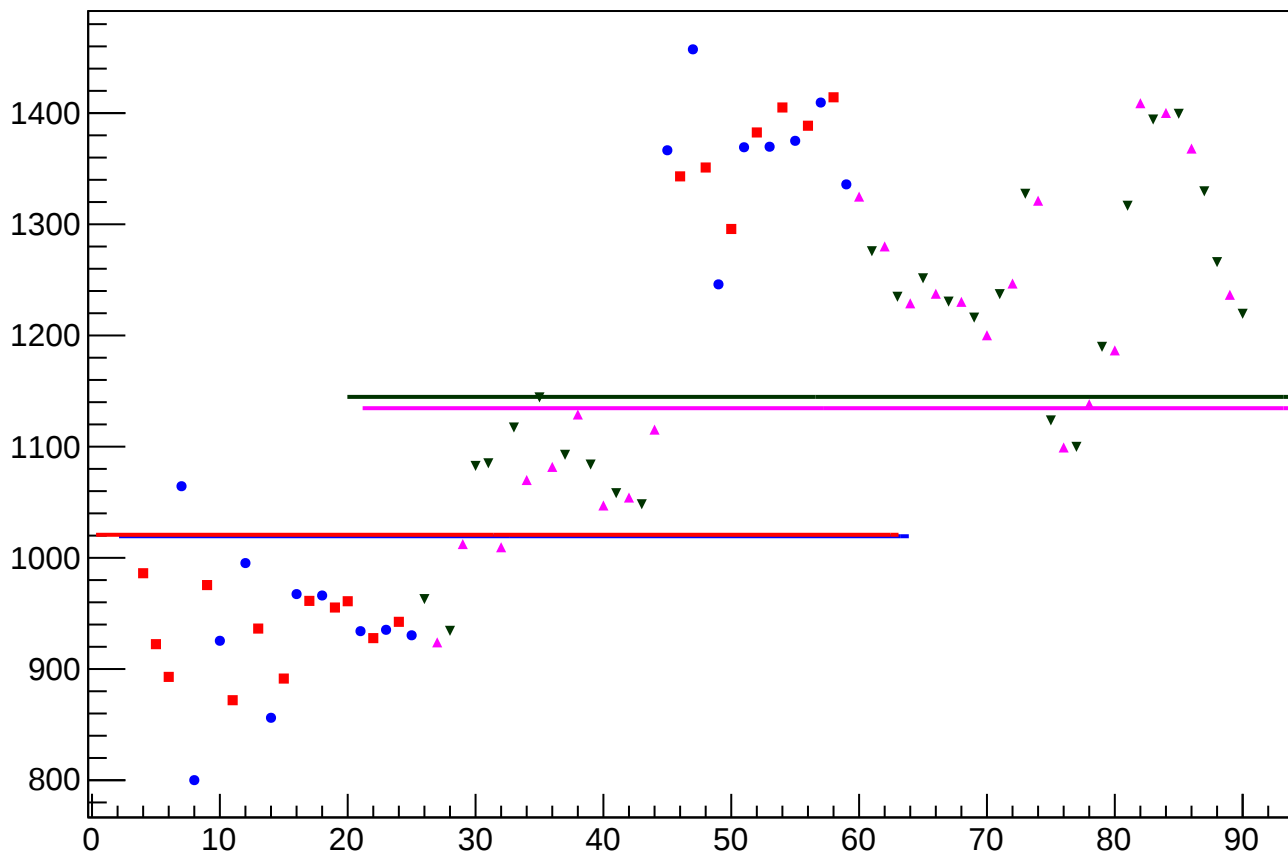
Right Out: 9.540 ± 0.328 χ^2/NDF : 1327.8/18

Left In: -7.576 ± 0.313 χ^2/NDF : 4385.7/23

10.165 ± 0.223 χ^2/NDF : 30847.4/43

0.599 ± 0.226 χ^2/NDF : 7139.2/42

diff_bpm2i01X_rms vs slug



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

Left Out: 1144.765+/-0.227 χ^2/NDF : 297887.7/25

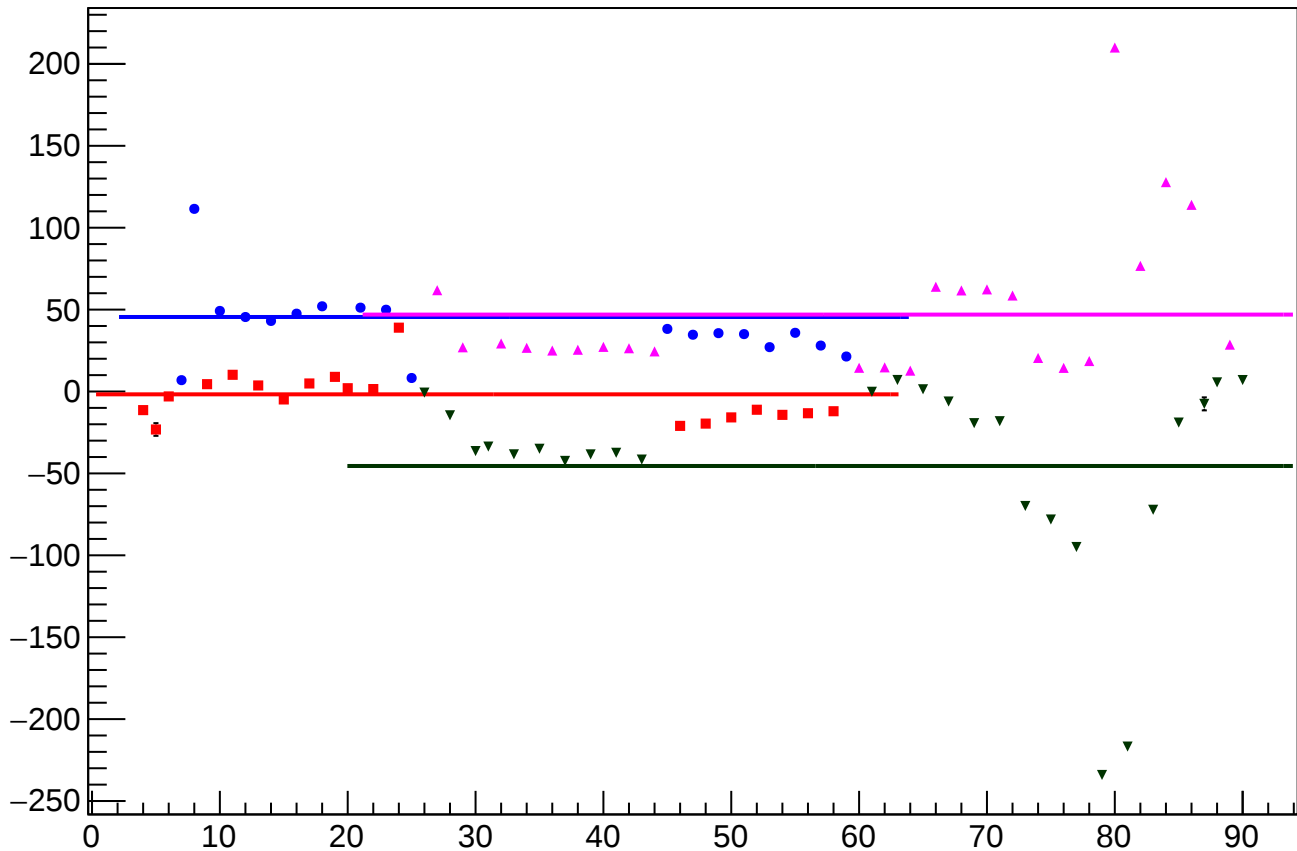
Right Out: 1020.749+/-0.232 χ^2/NDF : 605072.5/18

Left In: 1134.592+/-0.222 χ^2/NDF : 364418.3/23

1080.018+/-0.158 χ^2/NDF : 1308896.1/43

1080.217+/-0.160 χ^2/NDF : 1095637.1/42

diff_bpm2i01Y_mean vs slug



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

Left Out: -45.467+/-0.360 χ^2/NDF :26438.5/25

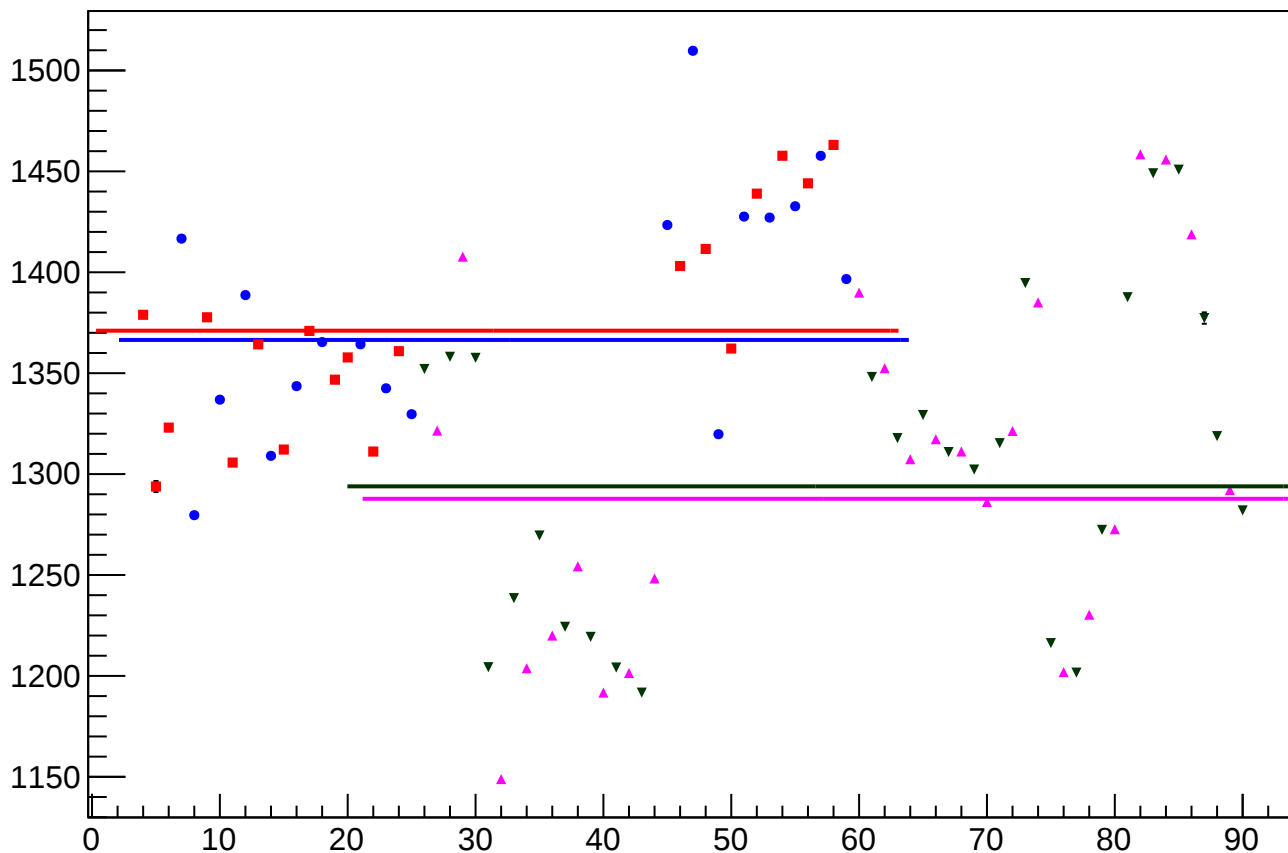
Right Out: -1.724+/-0.434 χ^2/NDF : 1071.7/18

Left In: 46.956+/-0.354 χ^2/NDF :15400.5/23

-5.583+/-0.270 χ^2/NDF : 57760.6/43

27.522+/-0.274 χ^2/NDF : 24032.8/42

diff_bpm2i01Y_rms vs slug



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

Left Out: 1293.923 ± 0.255 χ^2/NDF : 83567.5/25

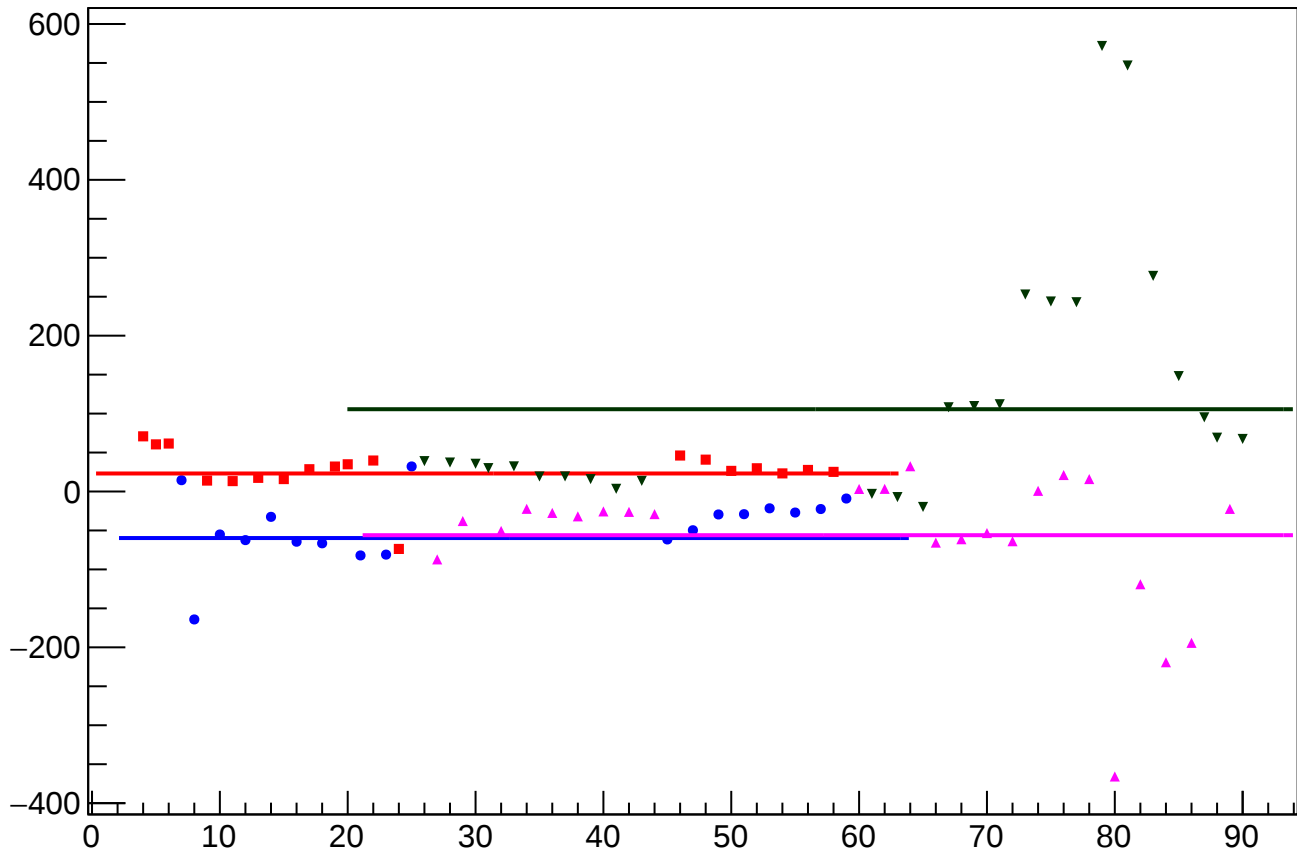
Right Out: 1371.055 ± 0.307 χ^2/NDF : 24860.5/18

Left In: 1287.759 ± 0.250 χ^2/NDF : 121681.1/23

1325.734 ± 0.191 χ^2/NDF : 157722.2/43

1321.013 ± 0.194 χ^2/NDF : 190814.1/42

diff_bpm2i02X_mean vs slug



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

Left Out: 105.605 ± 0.333 $\chi^2/\text{NDF}: 198722.7/25$

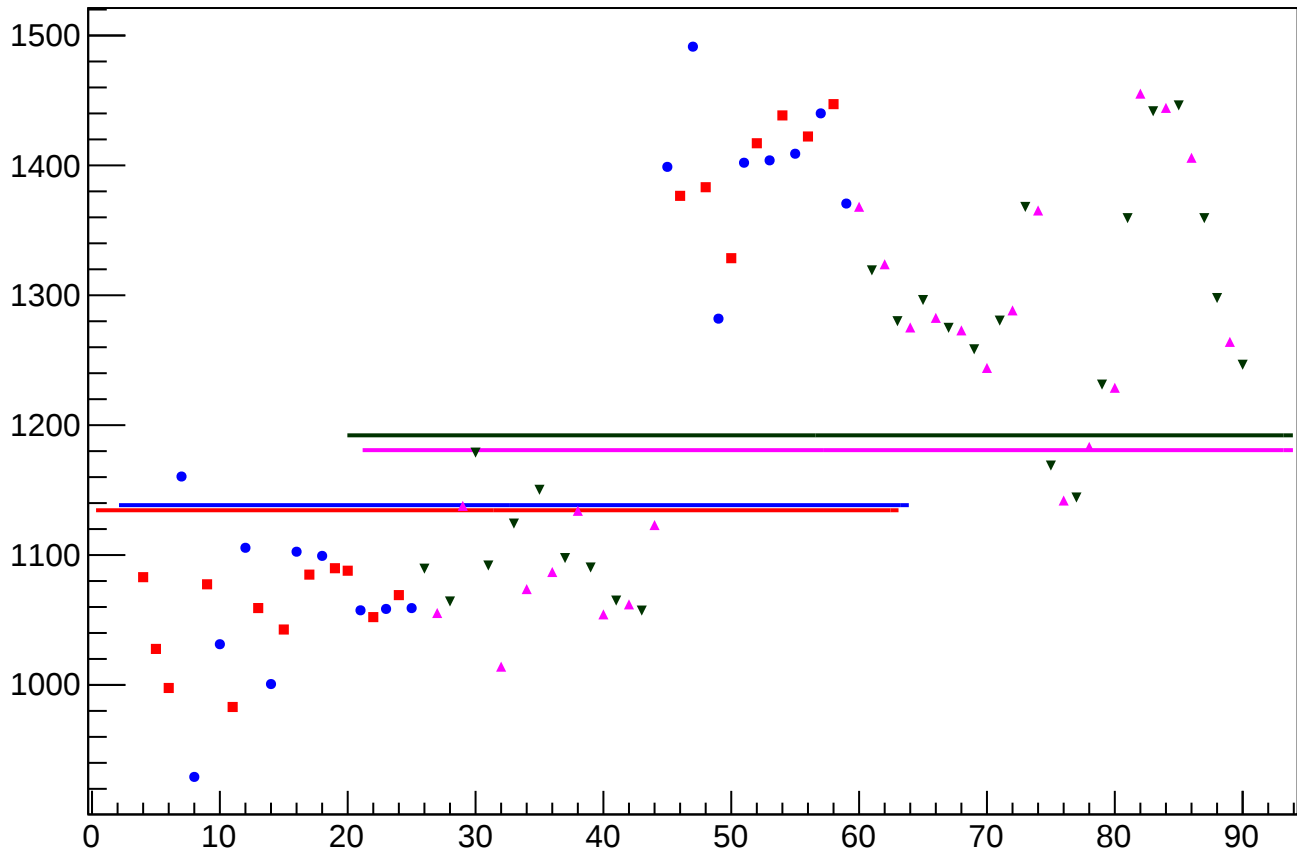
Right Out: 23.126 ± 0.362 $\chi^2/\text{NDF}: 7355.2/18$

Left In: -56.081 ± 0.326 $\chi^2/\text{NDF}: 60385.2/23$

25.372 ± 0.239 $\chi^2/\text{NDF}: 336995.8/43$

-20.632 ± 0.242 $\chi^2/\text{NDF}: 94218.1/42$

diff_bpm2i02X_rms vs slug



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

Left Out: 1192.170 $\pm$ 0.236 χ^2 /NDF:232295.2/25

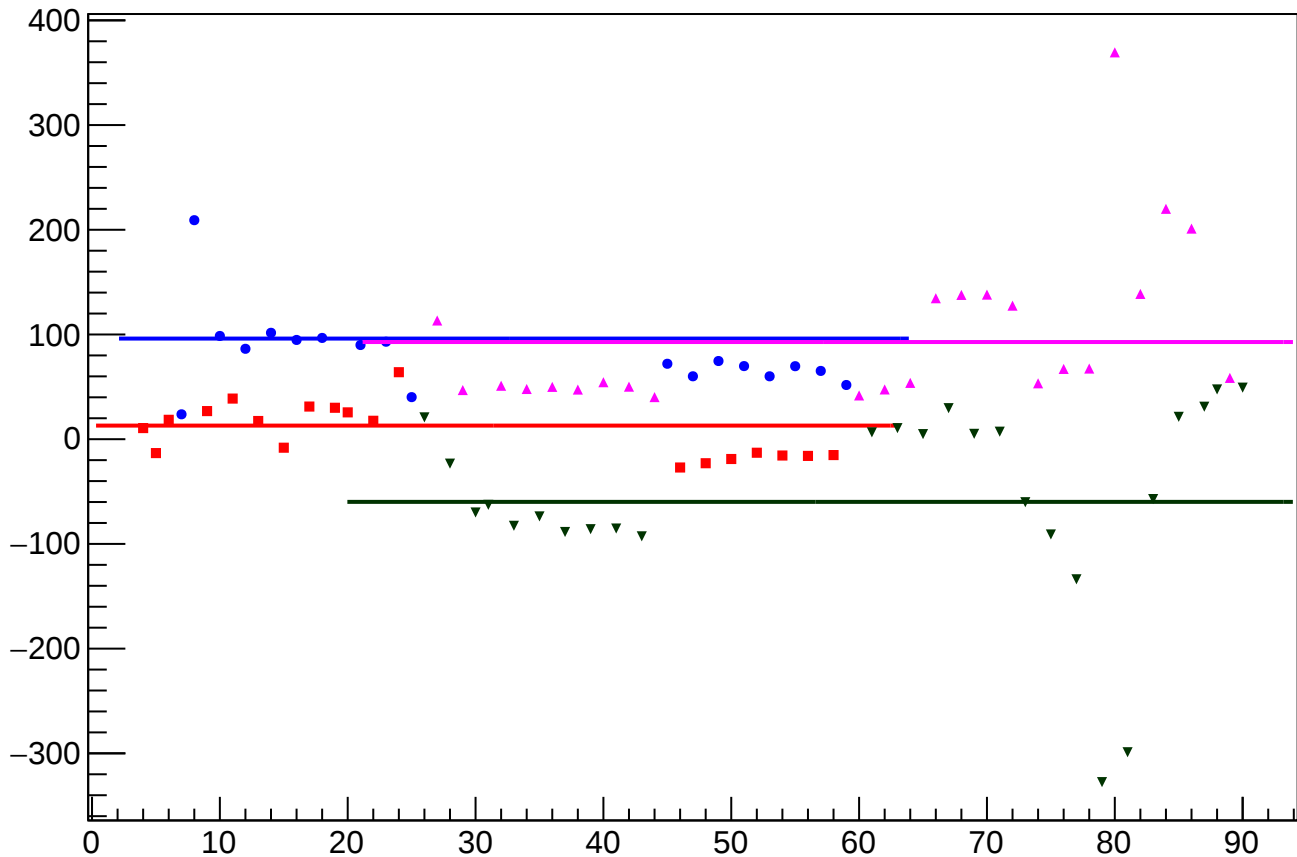
Right Out: 1134.479 $\pm$ 0.256 χ^2 /NDF: 360721.2/18

Left In: 1180.765 $\pm$ 0.230 χ^2 /NDF:308227.8/23

1166.083 $\pm$ 0.169 χ^2 /NDF: 745638.7/43

1160.050 $\pm$ 0.171 χ^2 /NDF: 687032.8/42

diff_bpm2i02Y_mean vs slug



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

Left Out: -59.851 $\pm$ 0.327 χ^2 /NDF: 71955.8/25

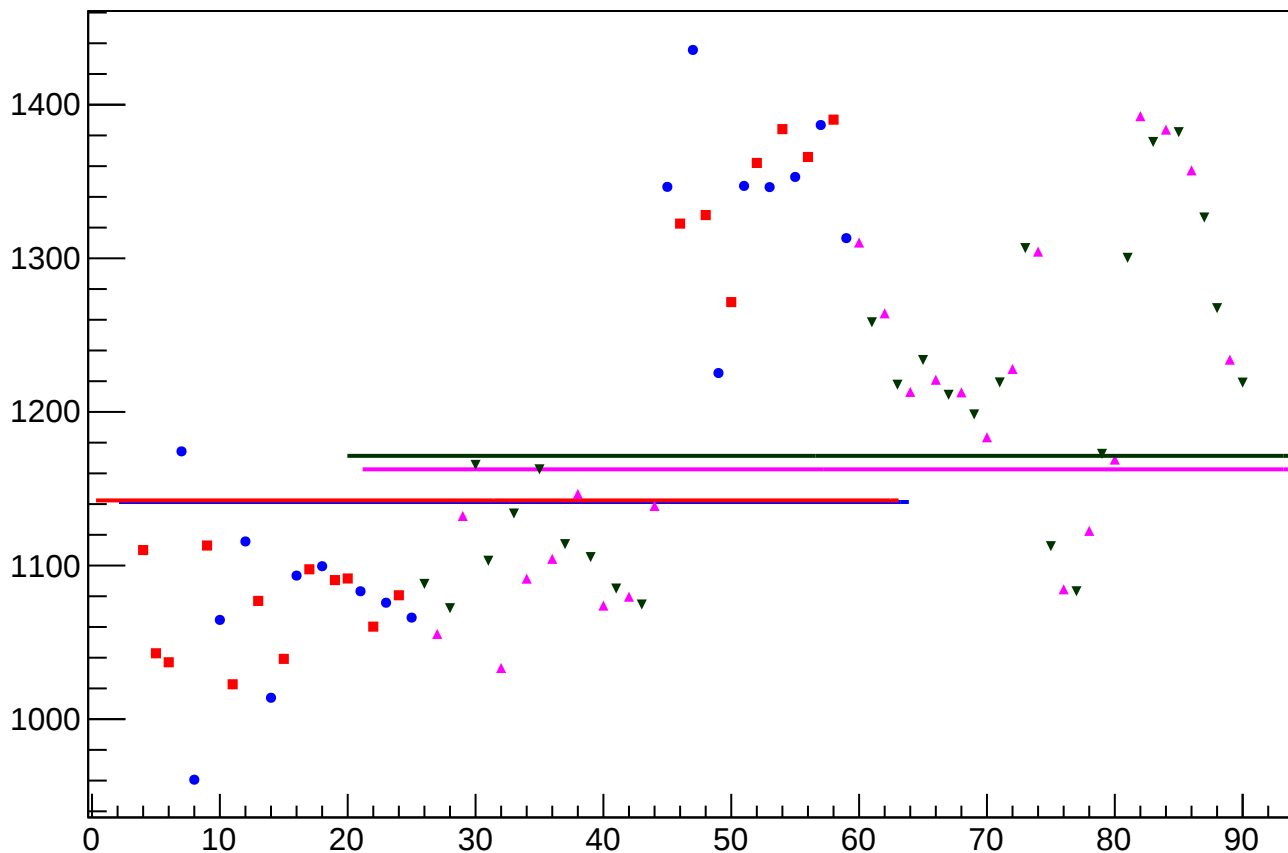
Right Out: 12.992 $\pm$ 0.363 χ^2 /NDF: 4541.3/18

Left In: 92.792 $\pm$ 0.320 χ^2 /NDF: 52354.4/23

14.377 $\pm$ 0.237 χ^2 /NDF: 197469.1/43

57.934 $\pm$ 0.240 χ^2 /NDF: 84073.7/42

diff_bpm2i02Y_rms vs slug



Right In: 1141.379 $\pm$ 0.242 χ^2 /NDF: 329306.4/17

Left Out: 1171.413 $\pm$ 0.231 χ^2 /NDF:142337.2/25

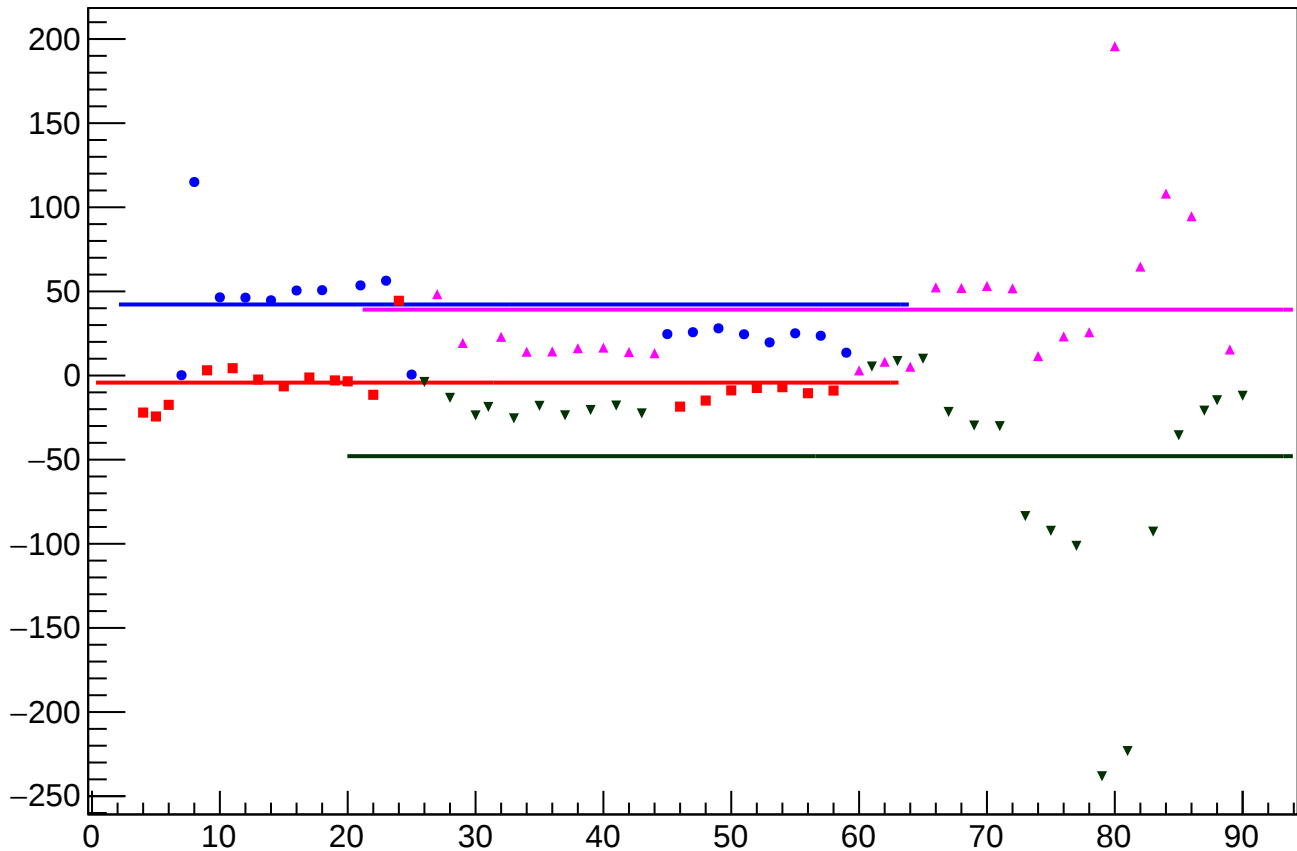
Right Out: 1142.390 $\pm$ 0.257 χ^2 /NDF: 236212.3/18

Left In: 1162.629 $\pm$ 0.226 χ^2 /NDF:196606.6/23

1157.117 $\pm$ 0.167 χ^2 /NDF: 479684.5/43

1153.788 $\pm$ 0.170 χ^2 /NDF: 436315.5/42

diff_bpm1i04X_mean vs slug



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

Left Out: -47.920+/-0.201 χ^2/NDF : 100679.0/25

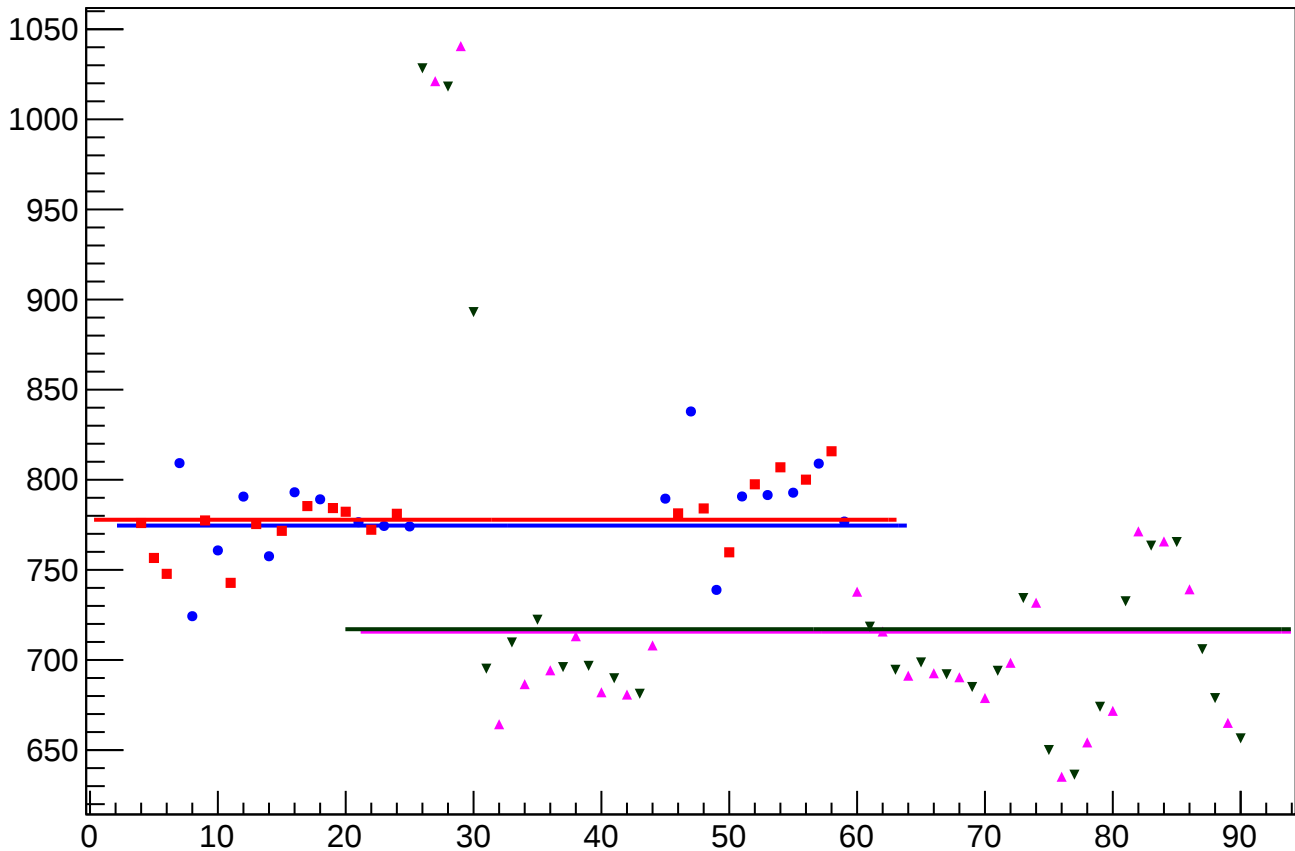
Right Out: -4.198+/-0.246 χ^2/NDF : 3378.3/18

Left In: 39.165+/-0.198 χ^2/NDF : 47743.2/23

-9.100+/-0.152 χ^2/NDF : 201780.5/43

22.143+/-0.154 χ^2/NDF : 70030.6/42

diff_bpm1i04X_rms vs slug



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

Left Out: 717.076+/-0.142 χ^2/NDF : 326243.3/25

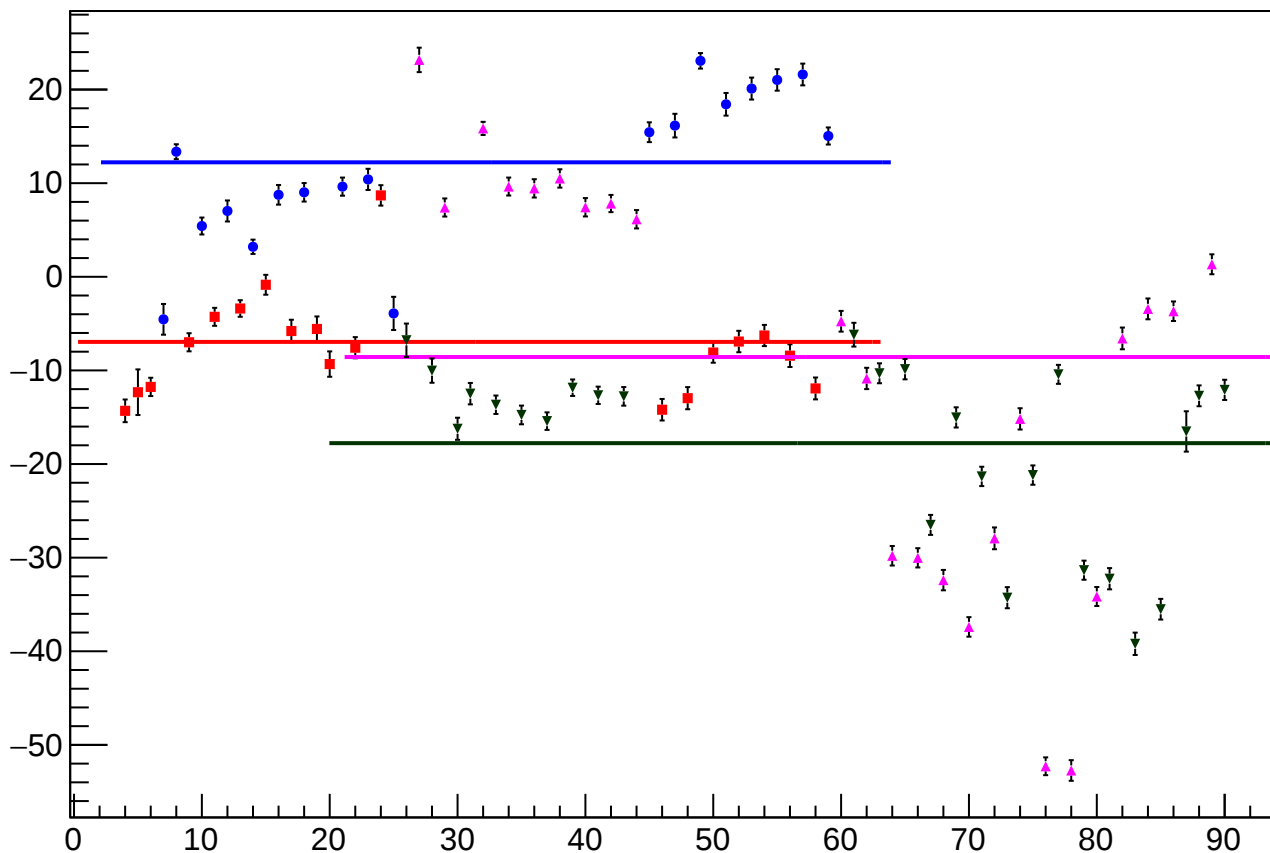
Right Out: 777.816+/-0.174 χ^2/NDF : 11180.5/18

Left In: 715.708+/-0.140 χ^2/NDF : 394106.8/23

741.839+/-0.107 χ^2/NDF : 423247.5/43

740.089+/-0.109 χ^2/NDF : 482869.2/42

diff_bpm1i04Y_mean vs slug



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

Left Out: -17.769 $\pm$ 0.214 χ^2 /NDF: 1748.3/25

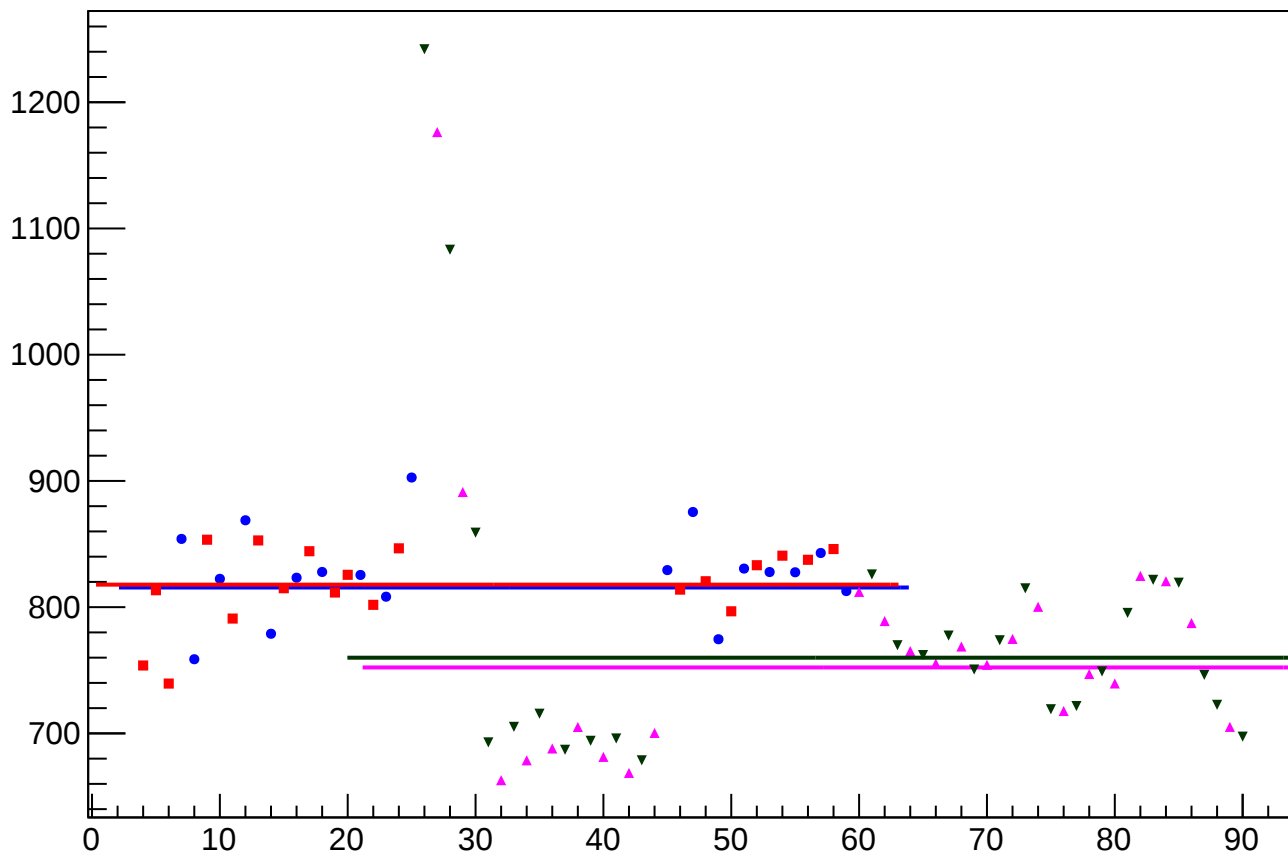
Right Out: -6.954 $\pm$ 0.259 χ^2 /NDF: 420.8/18

Left In: -8.570 $\pm$ 0.208 χ^2 /NDF: 10872.7/23

-4.722 $\pm$ 0.161 χ^2 /NDF: 11155.1/43

-7.936 $\pm$ 0.162 χ^2 /NDF: 11317.2/42

diff_bpm1i04Y_rms vs slug



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

Left Out: 759.964 ± 0.151 χ^2/NDF : 388033.7/25

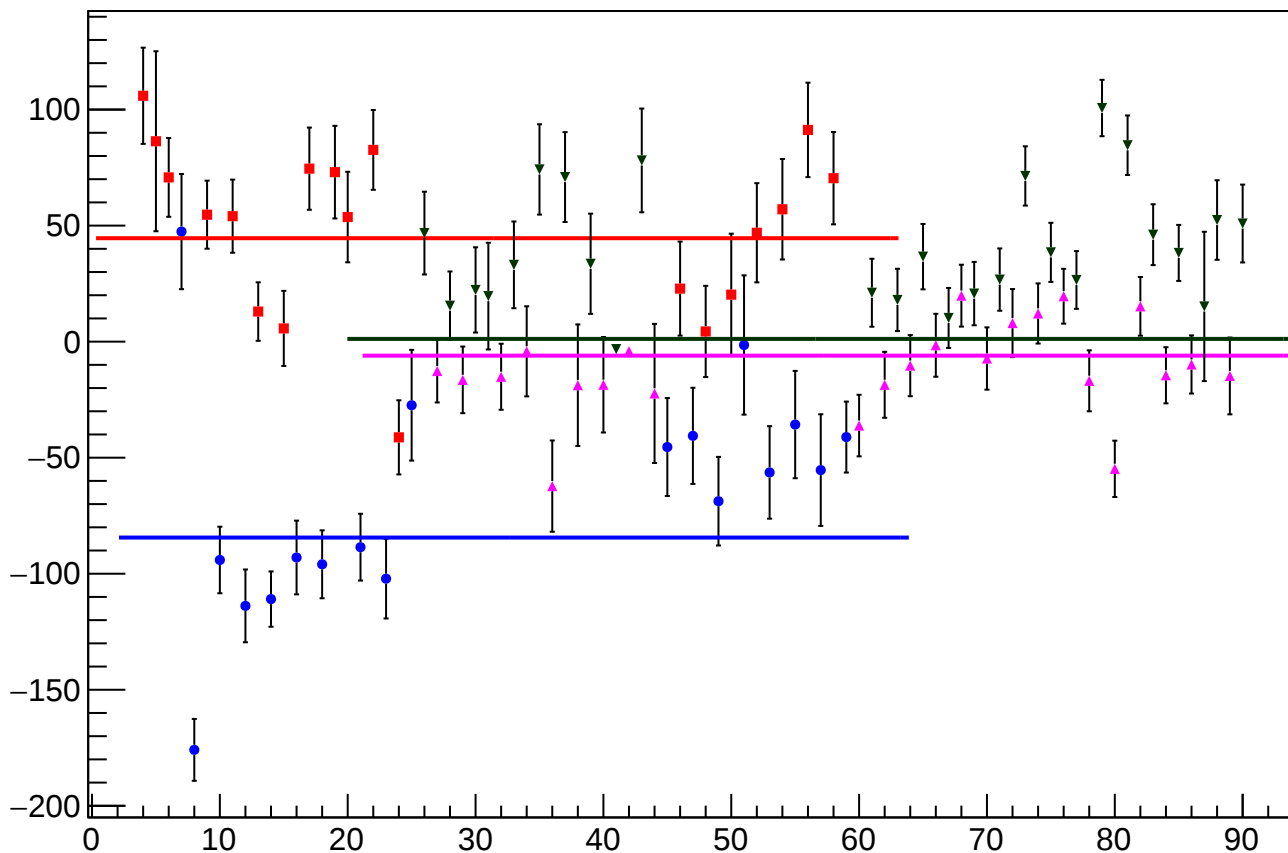
Right Out: 817.840 ± 0.183 χ^2/NDF : 32410.2/18

Left In: 752.243 ± 0.147 χ^2/NDF : 379997.0/23

784.154 ± 0.114 χ^2/NDF : 484615.7/43

777.964 ± 0.115 χ^2/NDF : 490362.5/42

diff_bpm0l02X_mean vs slug



Right In: -84.415 $\pm$ 4.060 χ^2 /NDF: 124.1/17

Left Out: 1.188 $\pm$ 0.935 χ^2 /NDF: 280.8/25

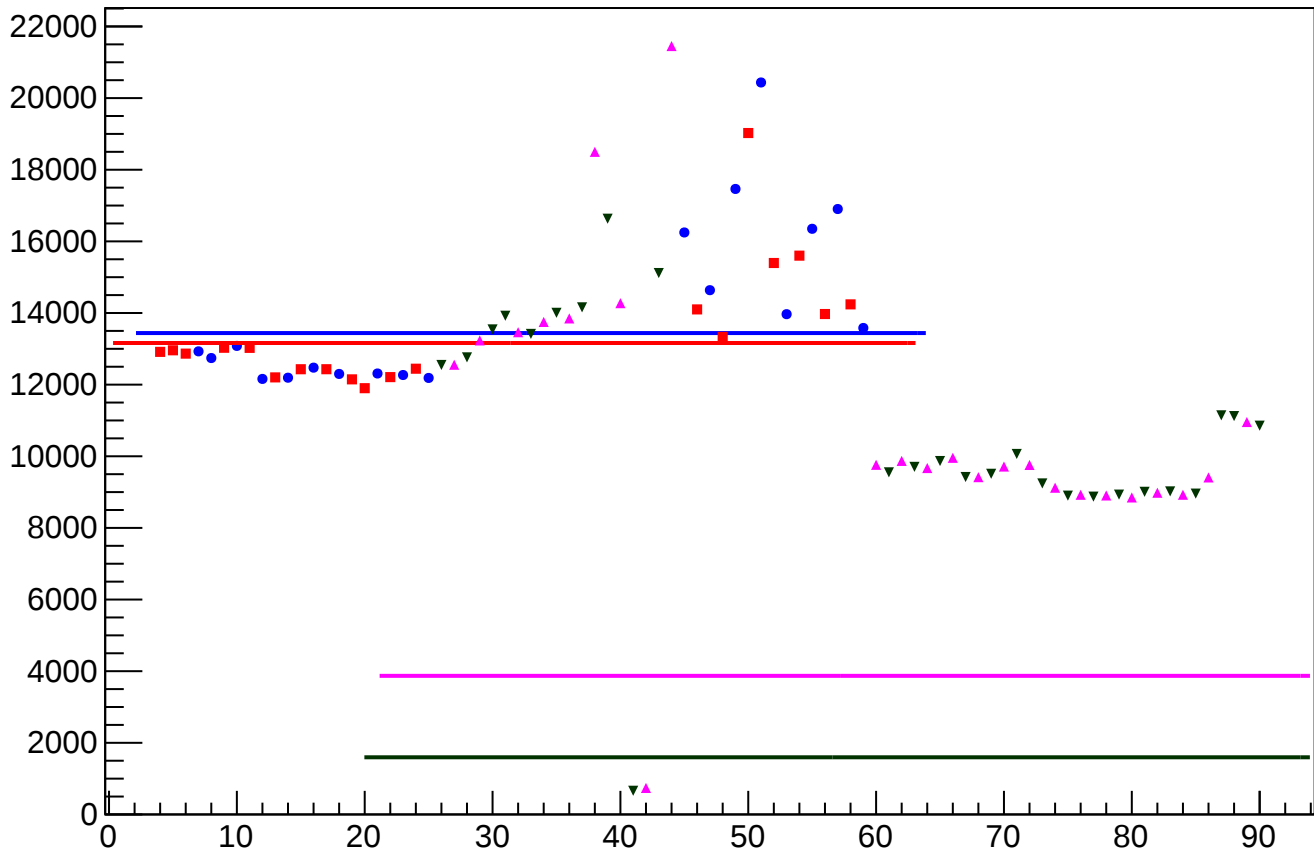
Right Out: 44.573 $\pm$ 4.203 χ^2 /NDF: 77.6/18

Left In: -6.035 $\pm$ 1.697 χ^2 /NDF: 49.2/23

-3.126 $\pm$ 0.911 χ^2 /NDF: 827.1/43

1.058 $\pm$ 1.573 χ^2 /NDF: 251.4/42

diff_bpm0l02X_rms vs slug



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

Left Out: 1595.855 $\pm$ 0.661 χ^2 /NDF:19740859.2/25

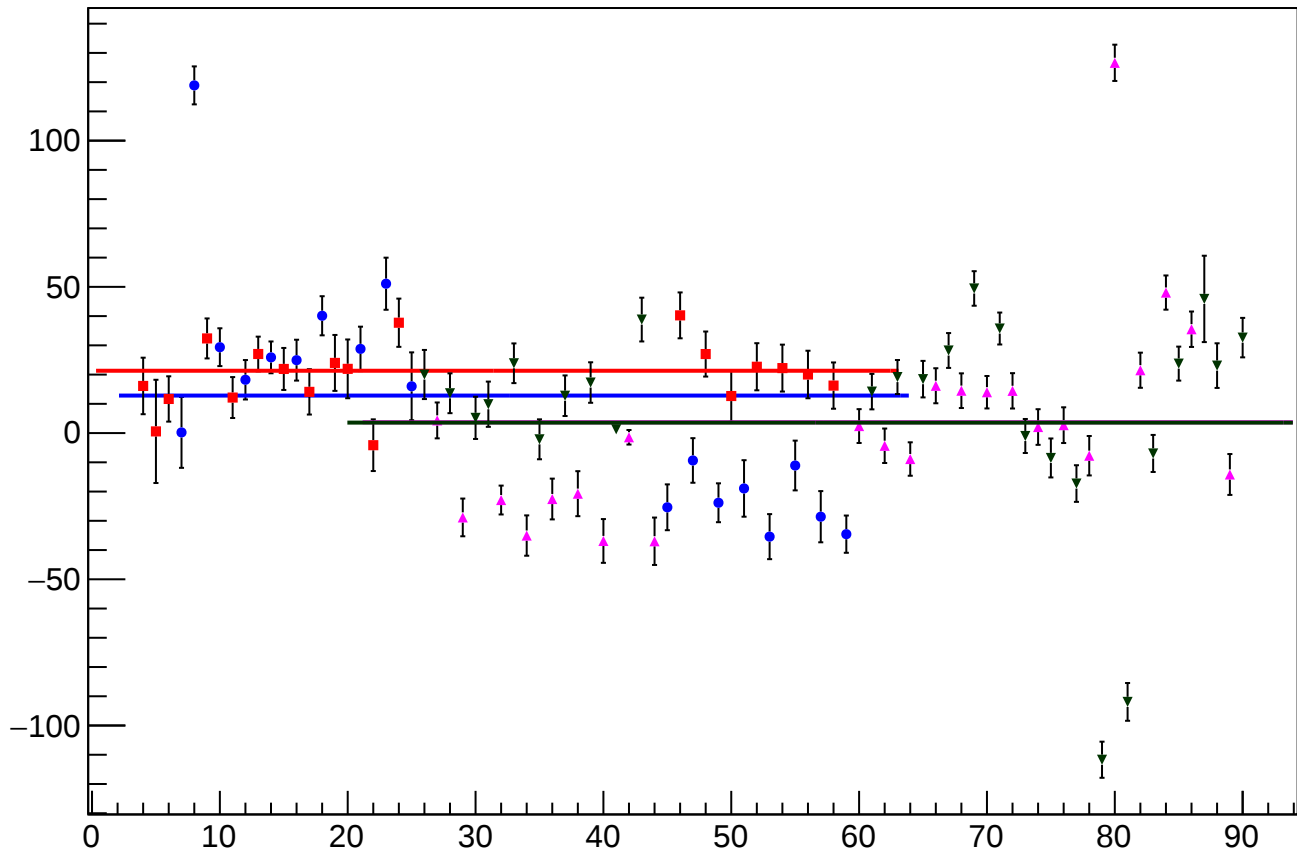
Right Out: 13162.769 $\pm$ 2.972 χ^2 /NDF: 204436.9/18

Left In: 3869.999 $\pm$ 1.200 χ^2 /NDF:15400901.3/23

2192.727 $\pm$ 0.644 χ^2 /NDF: 36309185.6/43

5172.538 $\pm$ 1.113 χ^2 /NDF: 24013415.7/42

diff_bpm0l02Y_mean vs slug



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

Left Out: 3.581 $\pm$ 0.906 χ^2 /NDF: 805.9/25

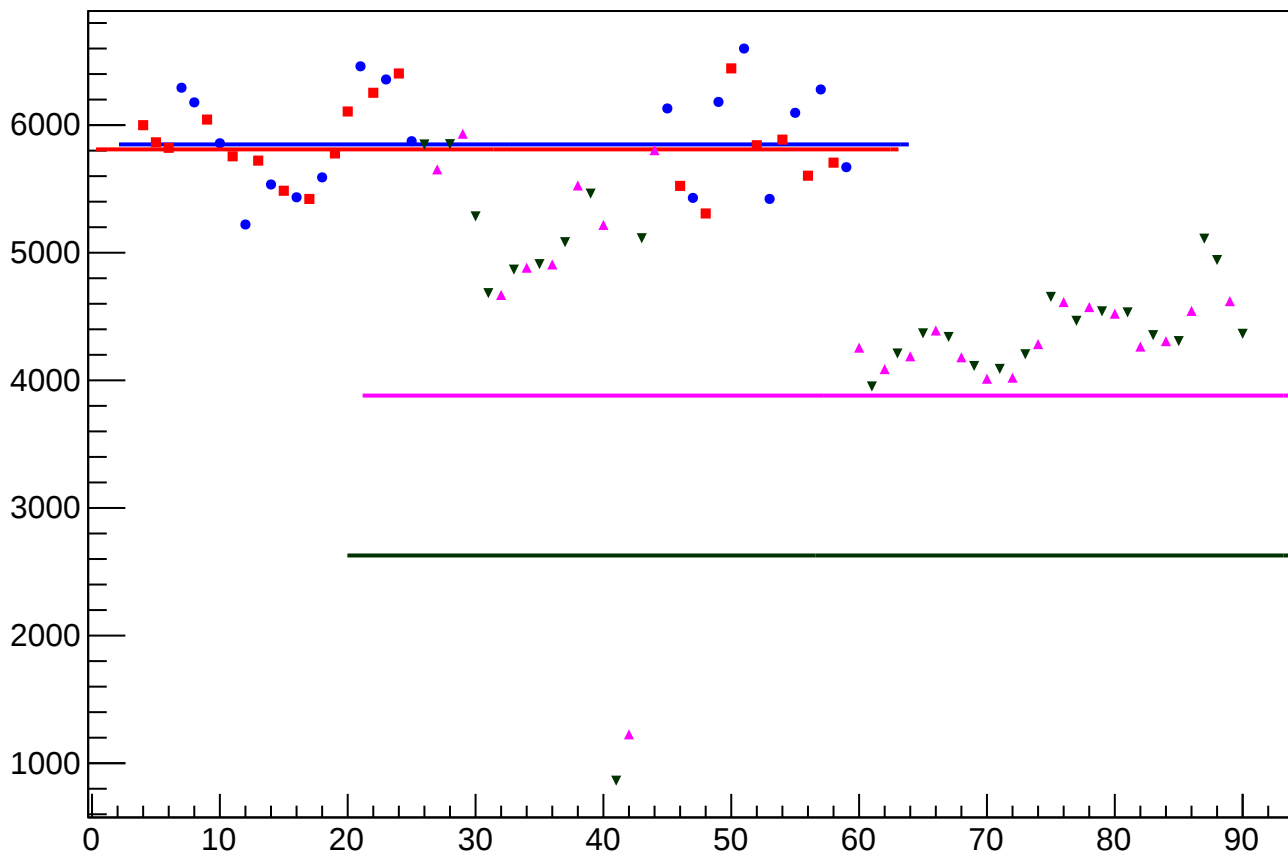
Right Out: 21.314 $\pm$ 1.847 χ^2 /NDF: 29.5/18

Left In: 3.692 $\pm$ 1.150 χ^2 /NDF: 686.1/23

5.532 $\pm$ 0.805 χ^2 /NDF: 1349.7/43

8.615 $\pm$ 0.976 χ^2 /NDF: 781.2/42

diff_bpm0l02Y_rms vs slug



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

Left Out: 2627.705+/-0.641 χ^2/NDF : 8806517.1/25

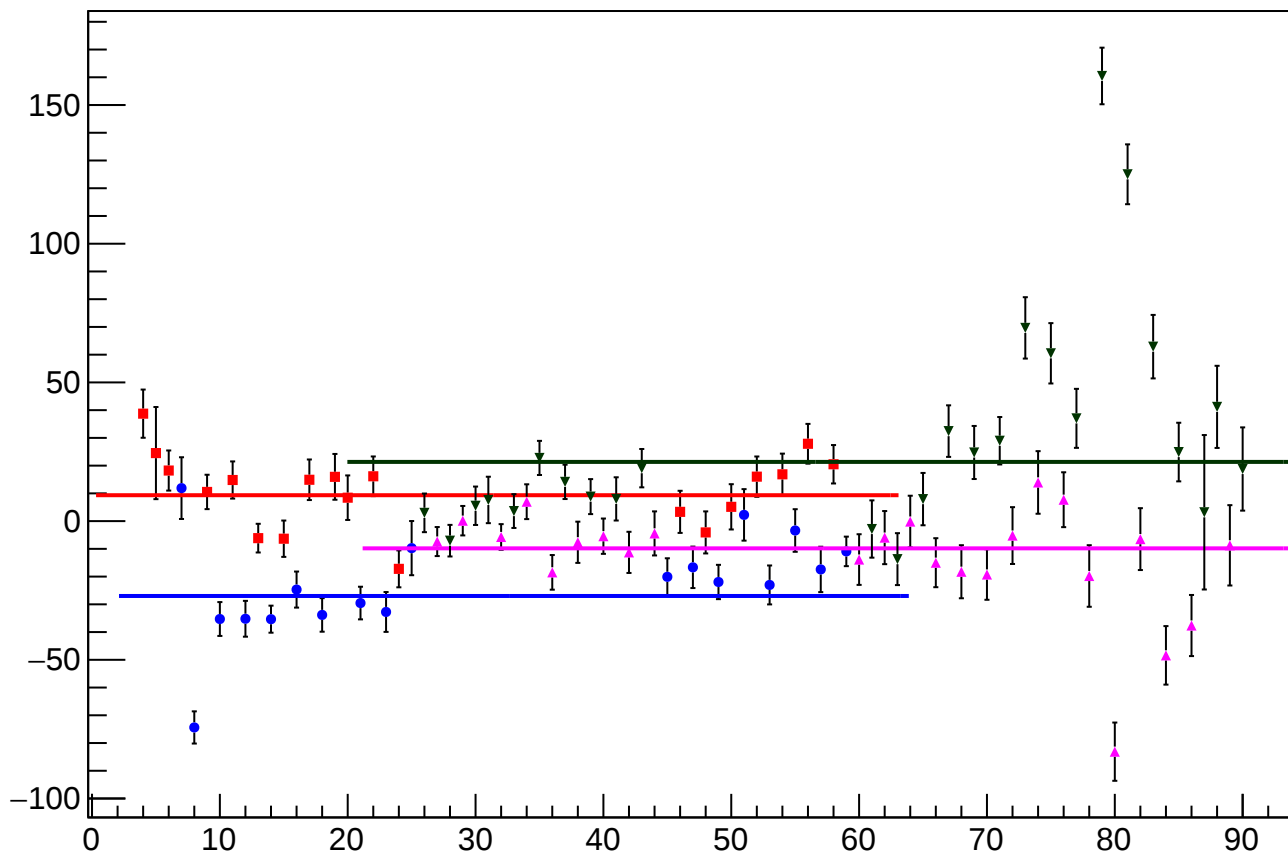
Right Out: 5809.767+/-1.306 χ^2/NDF : 53321.4/18

Left In: 3880.785+/-0.813 χ^2/NDF : 3230344.1/23

3307.536+/-0.569 χ^2/NDF : 14238503.6/43

4419.619+/-0.690 χ^2/NDF : 4855798.9/42

diff_bpm0l03X_mean vs slug



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

Left Out: 21.344 ± 1.650 $\chi^2/\text{NDF}: 408.6/25$

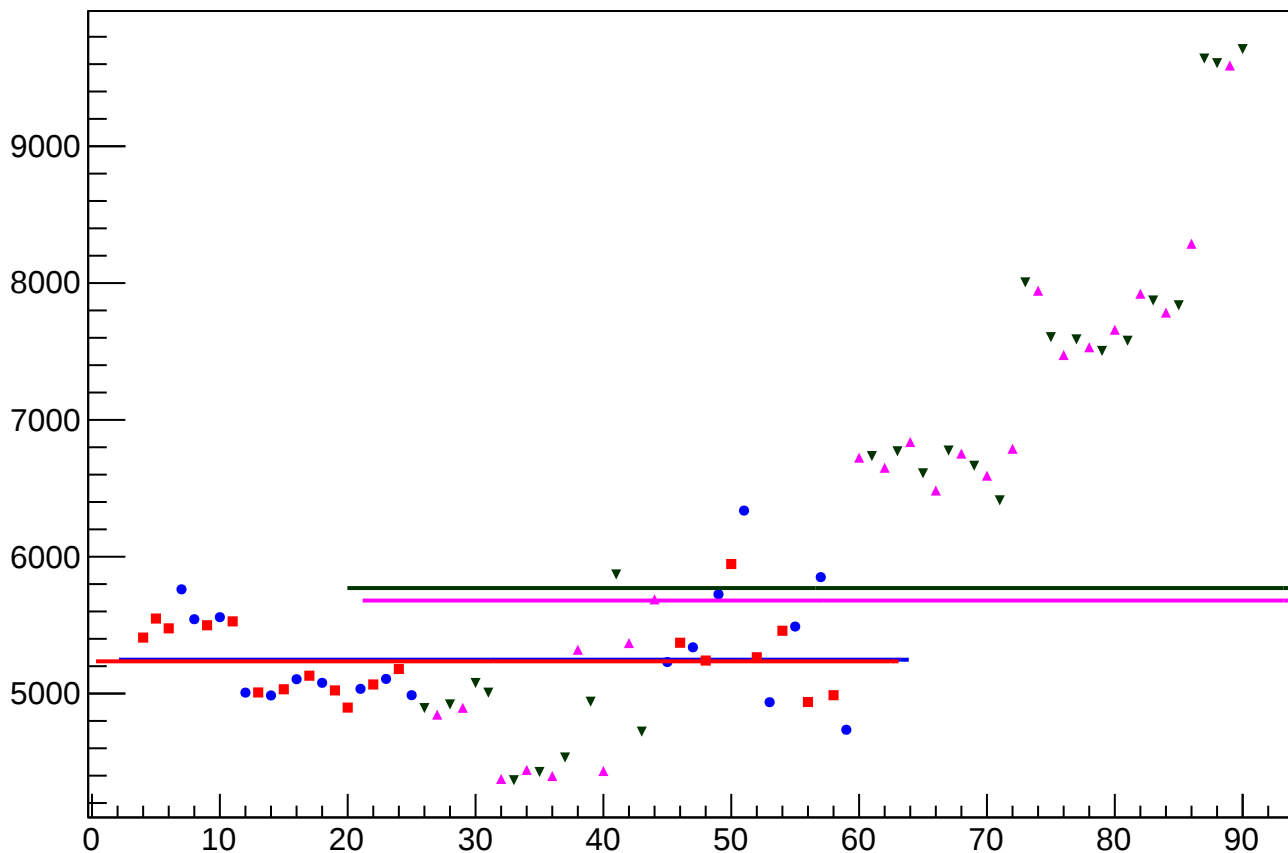
Right Out: 9.337 ± 1.659 $\chi^2/\text{NDF}: 62.4/18$

Left In: -9.820 ± 1.598 $\chi^2/\text{NDF}: 95.5/23$

-4.029 ± 1.137 $\chi^2/\text{NDF}: 983.7/43$

-0.604 ± 1.151 $\chi^2/\text{NDF}: 227.1/42$

diff_bpm0l03X_rms vs slug



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

Left Out: 5771.001+/-1.167 χ^2/NDF :1349539.7/25

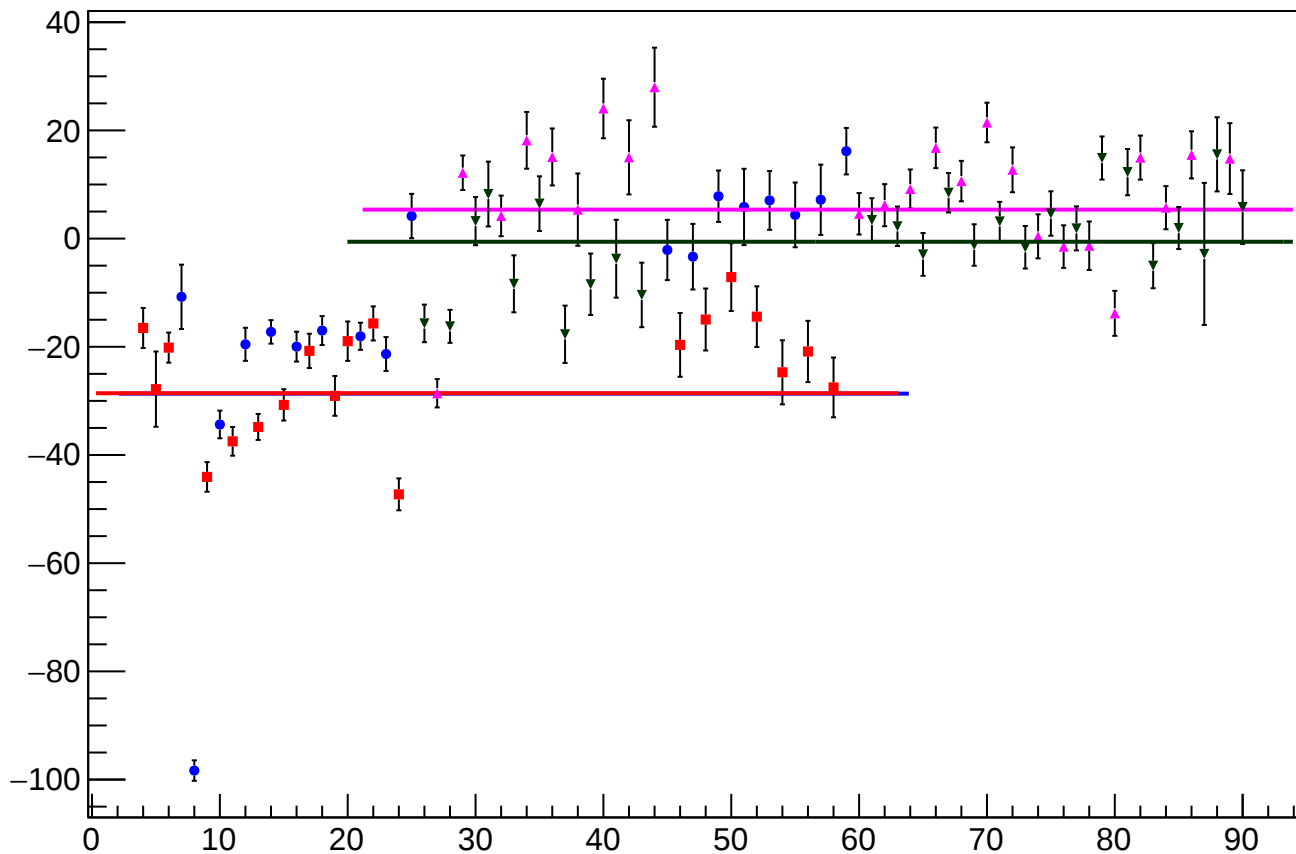
Right Out: 5235.469+/-1.173 χ^2/NDF : 47165.0/18

Left In: 5679.884+/-1.130 χ^2/NDF :1354677.5/23

5496.217+/-0.804 χ^2/NDF : 1560848.7/43

5466.072+/-0.814 χ^2/NDF : 1476269.8/42

diff_bpm0l03Y_mean vs slug



Right In: -28.657 ± 0.782 $\chi^2/\text{NDF}: 1857.6/17$

Left Out: -0.584 ± 0.860 $\chi^2/\text{NDF}: 111.0/25$

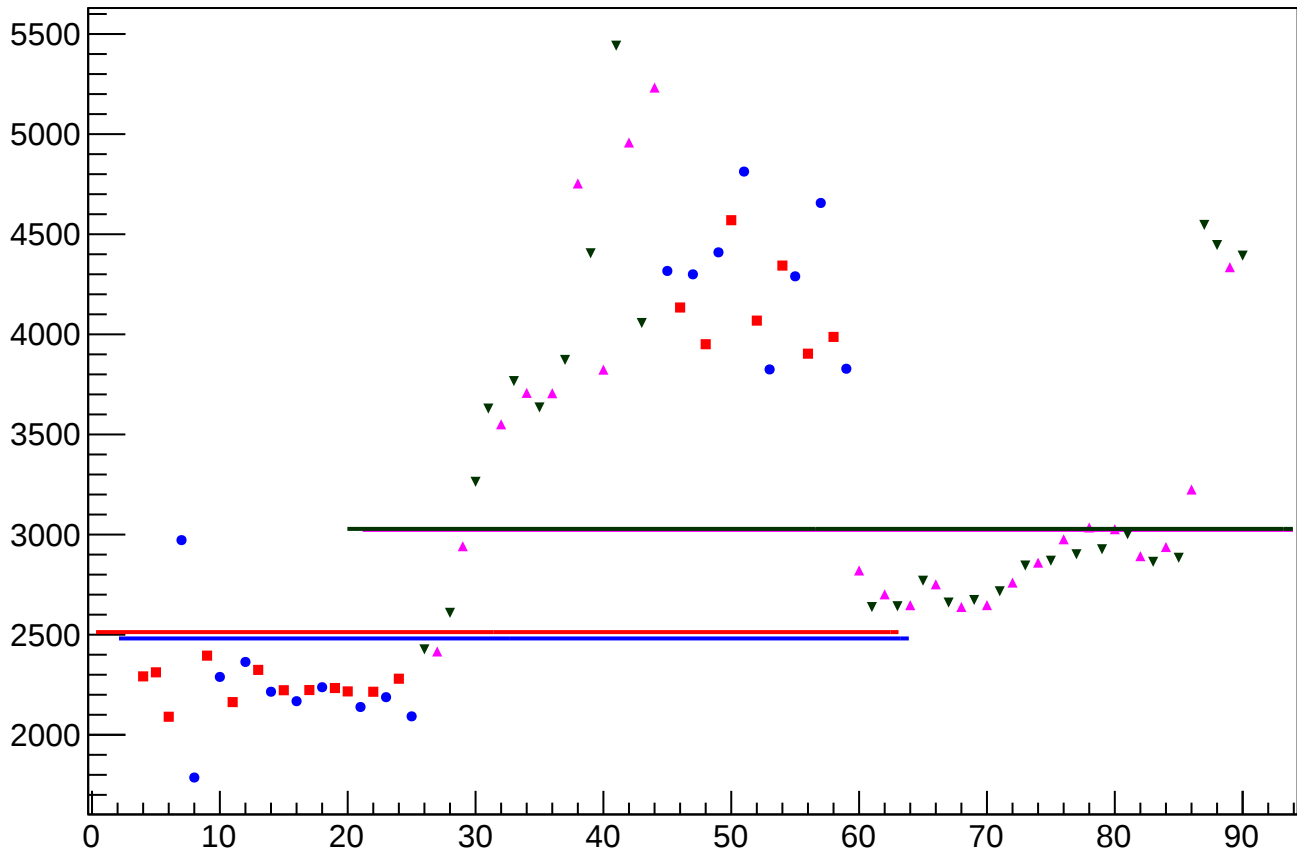
-15.951 ± 0.579 $\chi^2/\text{NDF}: 2551.8/43$

Right Out: -28.584 ± 0.826 $\chi^2/\text{NDF}: 168.7/18$

-11.990 ± 0.591 $\chi^2/\text{NDF}: 1274.3/42$

Left In: 5.353 ± 0.845 $\chi^2/\text{NDF}: 281.0/23$

diff_bpm0l03Y_rms vs slug



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

Left Out: 3028.414+/-0.608 χ^2/NDF :955557.6/25

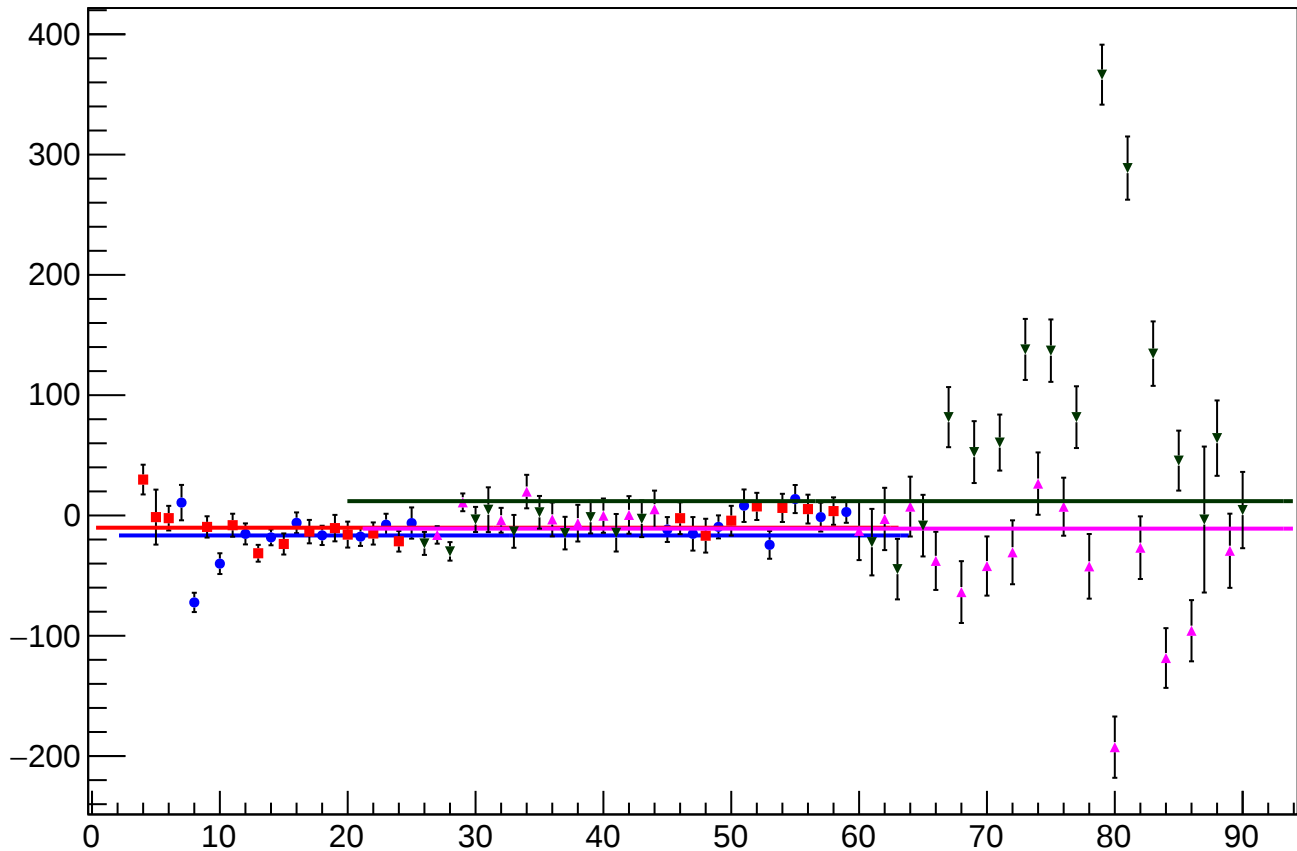
2728.878+/-0.409 χ^2/NDF : 3511149.2/43

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

2762.464+/-0.418 χ^2/NDF : 2598846.6/42

Left In: 3023.251+/-0.597 χ^2/NDF :927353.0/23

diff_bpm0l04X_mean vs slug



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

Left Out: 11.905 ± 3.292 χ^2/NDF : 473.9/25

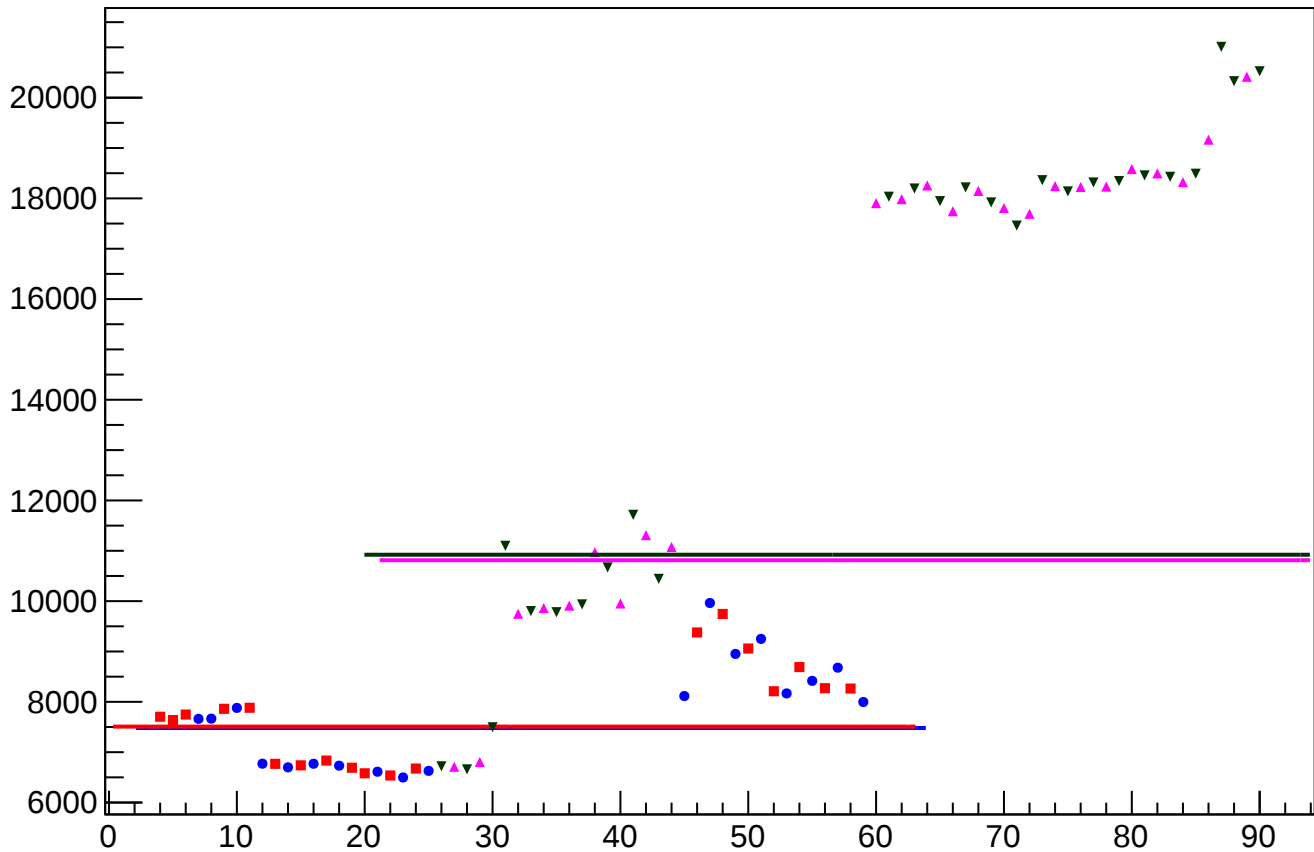
Right Out: -10.172 ± 2.389 χ^2/NDF : 33.7/18

Left In: -10.943 ± 3.203 χ^2/NDF : 111.0/23

-7.576 ± 1.853 χ^2/NDF : 605.0/43

-10.447 ± 1.915 χ^2/NDF : 144.6/42

diff_bpm0l04X_rms vs slug



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

Left Out: 10921.841+/-2.328 χ^2/NDF : 3783493.1/25

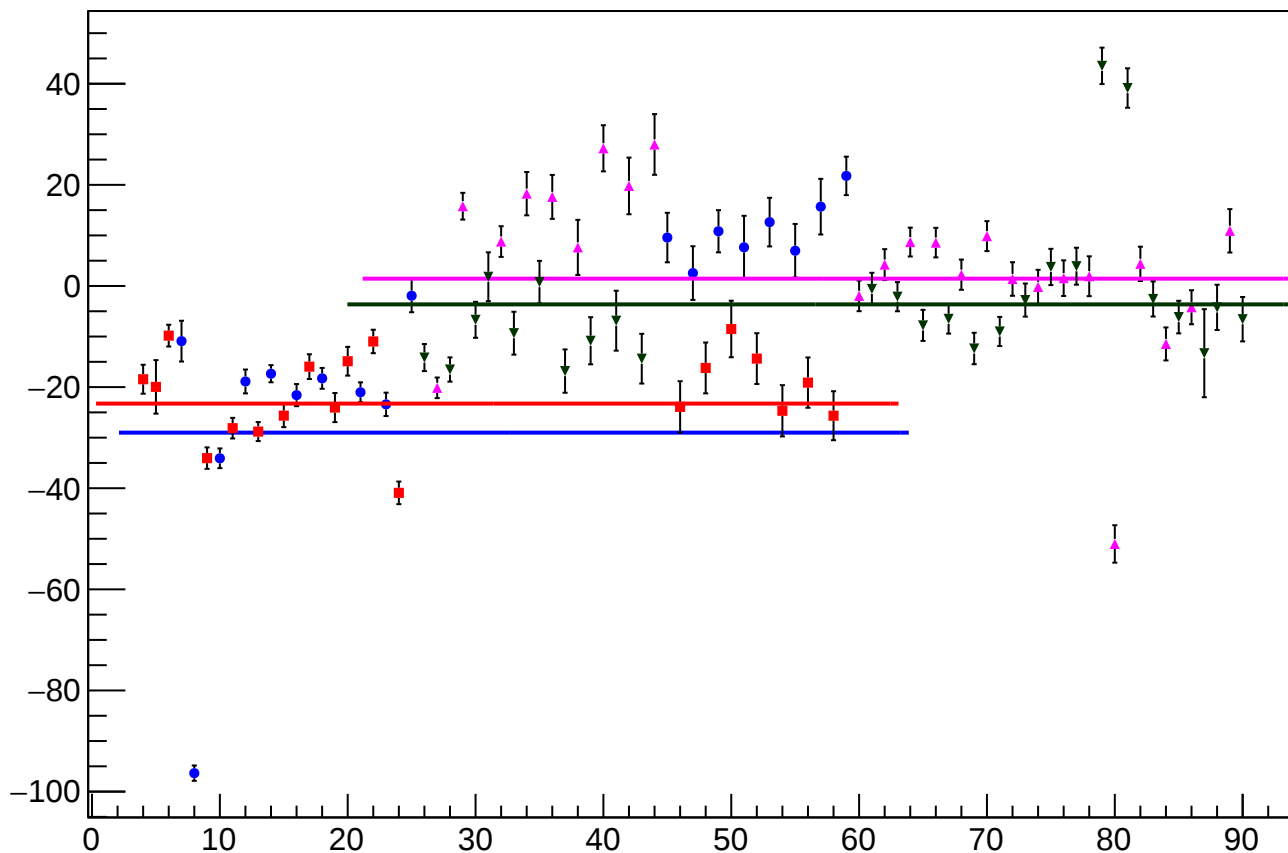
8571.031+/-1.310 χ^2/NDF : 5611533.7/43

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

8689.579+/-1.354 χ^2/NDF : 5522582.0/42

Left In: 10812.819+/-2.265 χ^2/NDF : 3865156.3/23

diff_bpm0l04Y_mean vs slug



Right In: -29.007+/-0.618 χ^2/NDF : 2792.0/17

Left Out: -3.640+/-0.695 χ^2/NDF : 384.6/25

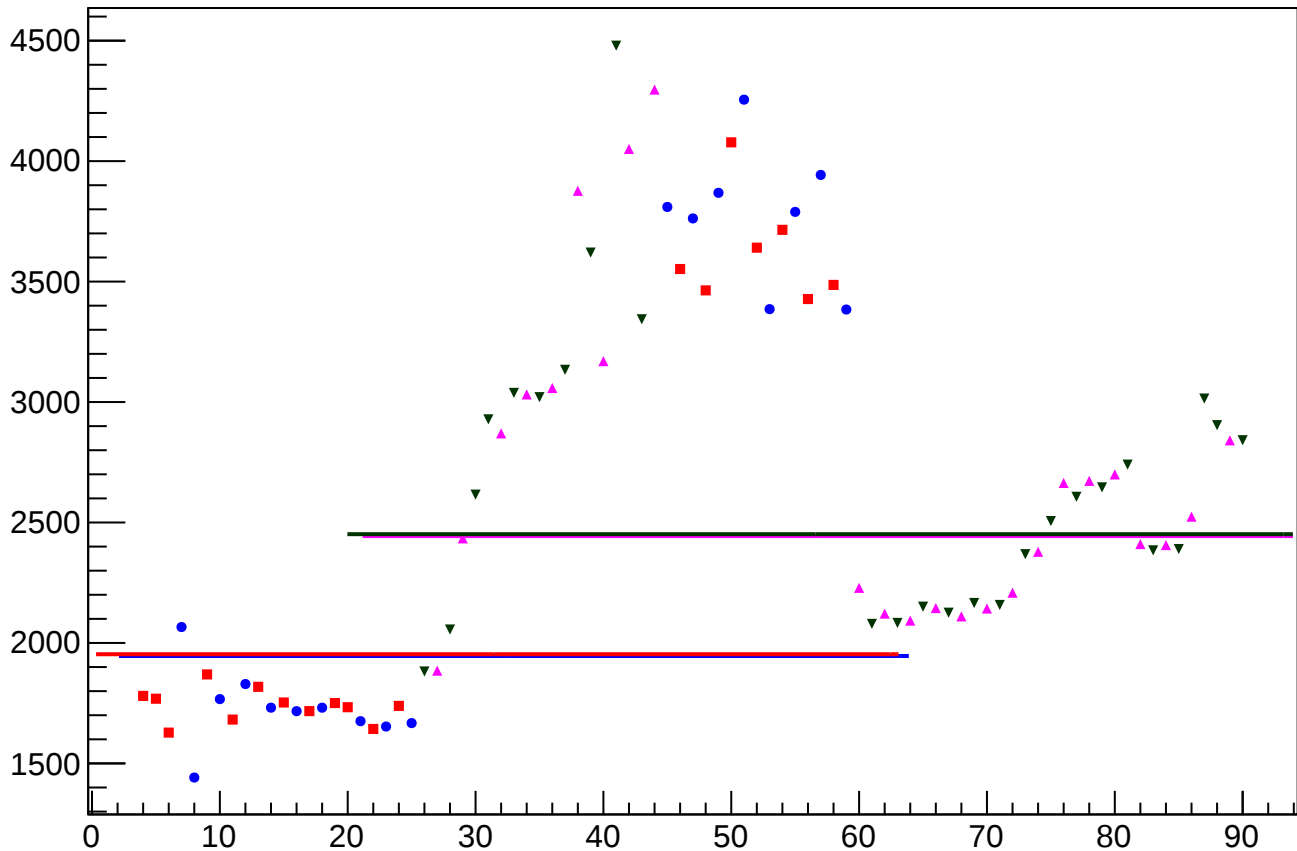
Right Out: -23.263+/-0.648 χ^2/NDF : 204.8/18

Left In: 1.449+/-0.683 χ^2/NDF : 488.1/23

-17.805+/-0.462 χ^2/NDF : 3919.8/43

-11.558+/-0.470 χ^2/NDF : 1381.9/42

diff_bpm0l04Y_rms vs slug



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

Left Out: 2451.537+/-0.492 χ^2/NDF : 930695.9/25

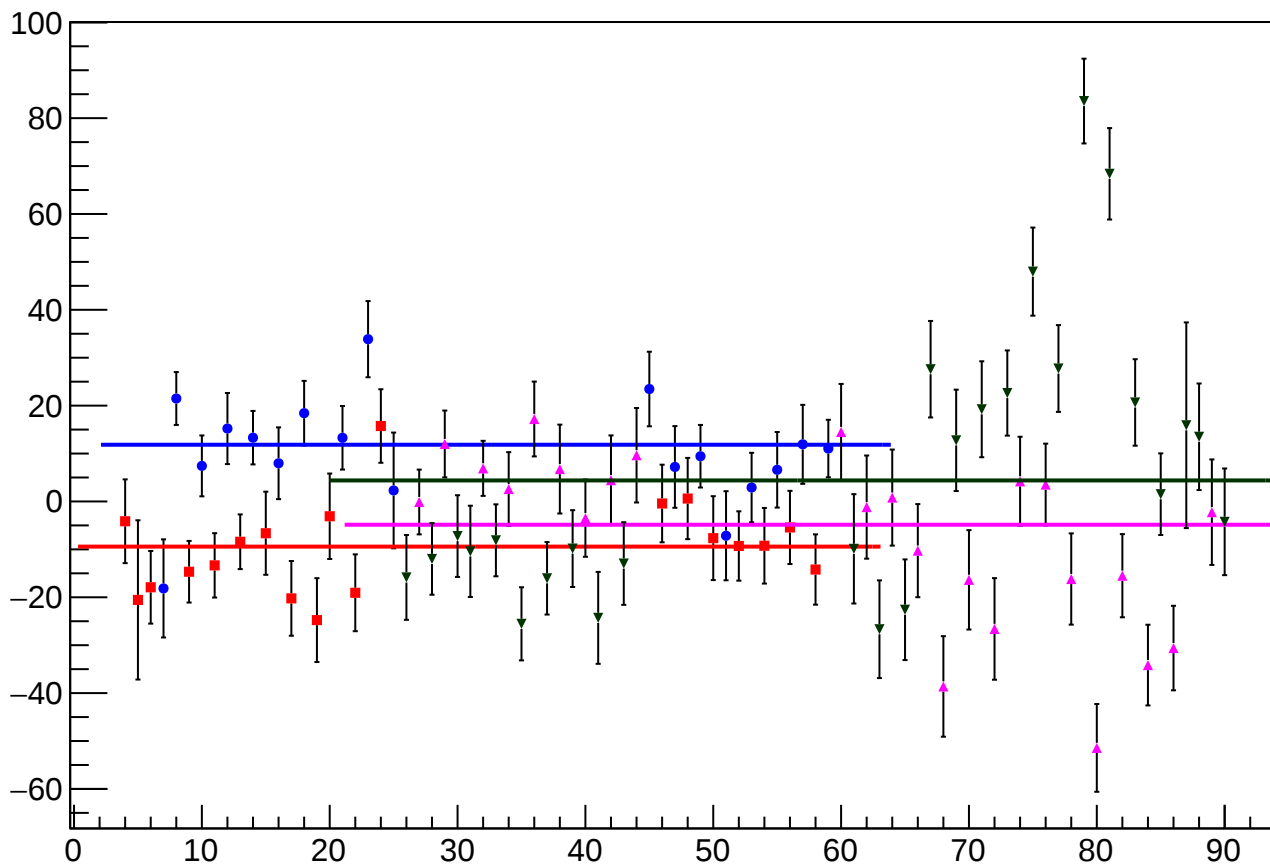
2169.165+/-0.327 χ^2/NDF : 4120872.9/43

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

2185.397+/-0.332 χ^2/NDF : 3262860.3/42

Left In: 2443.472+/-0.483 χ^2/NDF : 994554.3/23

diff_bpm0l05X_mean vs slug



Right In: 11.837+/-1.701 χ^2 /NDF: 30.8/17

Left Out: 4.388+/-1.803 χ^2 /NDF:244.8/25

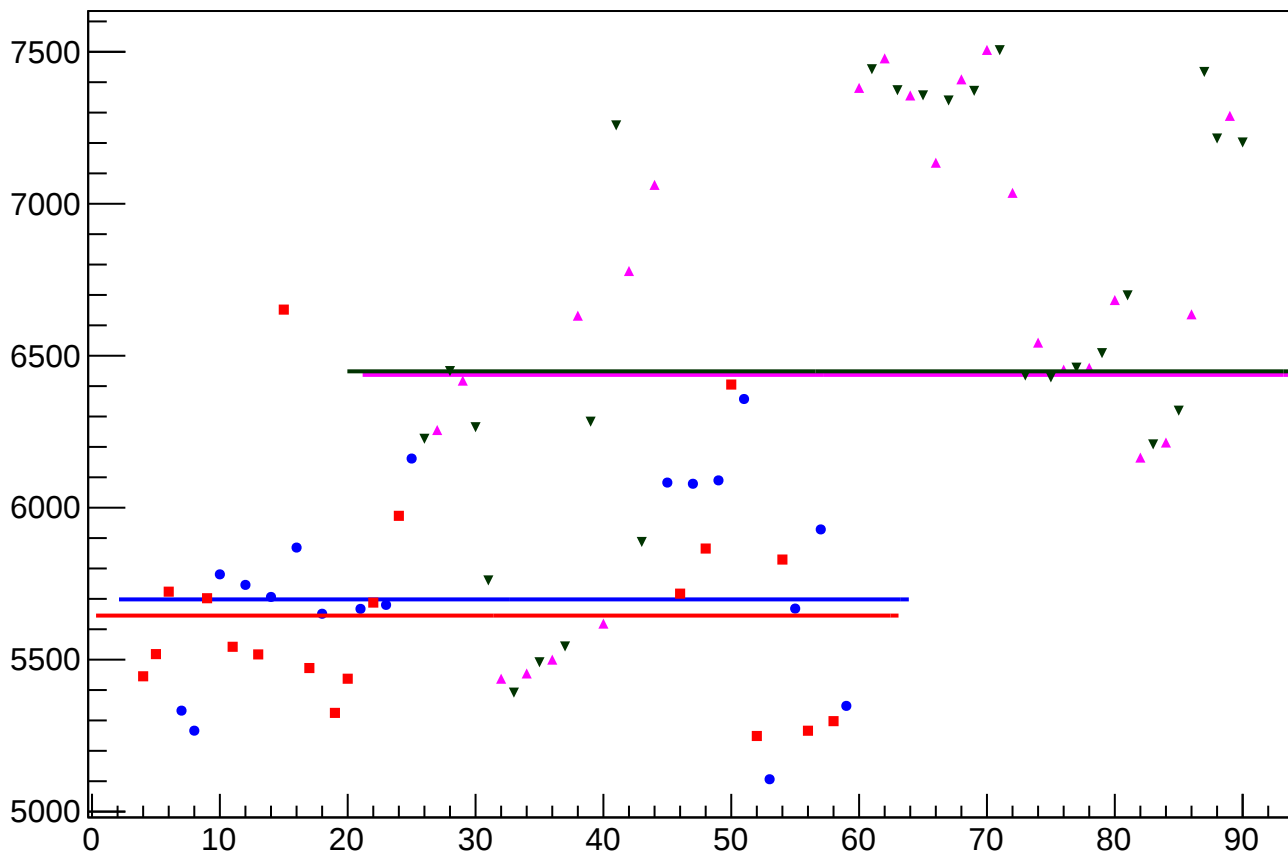
Right Out: -9.425+/-1.790 χ^2 /NDF: 24.3/18

Left In: -4.861+/-1.774 χ^2 /NDF:95.8/23

8.329+/-1.237 χ^2 /NDF: 284.6/43

-7.122+/-1.260 χ^2 /NDF: 123.4/42

diff_bpm0l05X_rms vs slug



Right In: 5698.250 ± 1.203 $\chi^2/\text{NDF}: 67217.8/17$

Left Out: 6448.647 ± 1.275 $\chi^2/\text{NDF}: 261906.2/25$

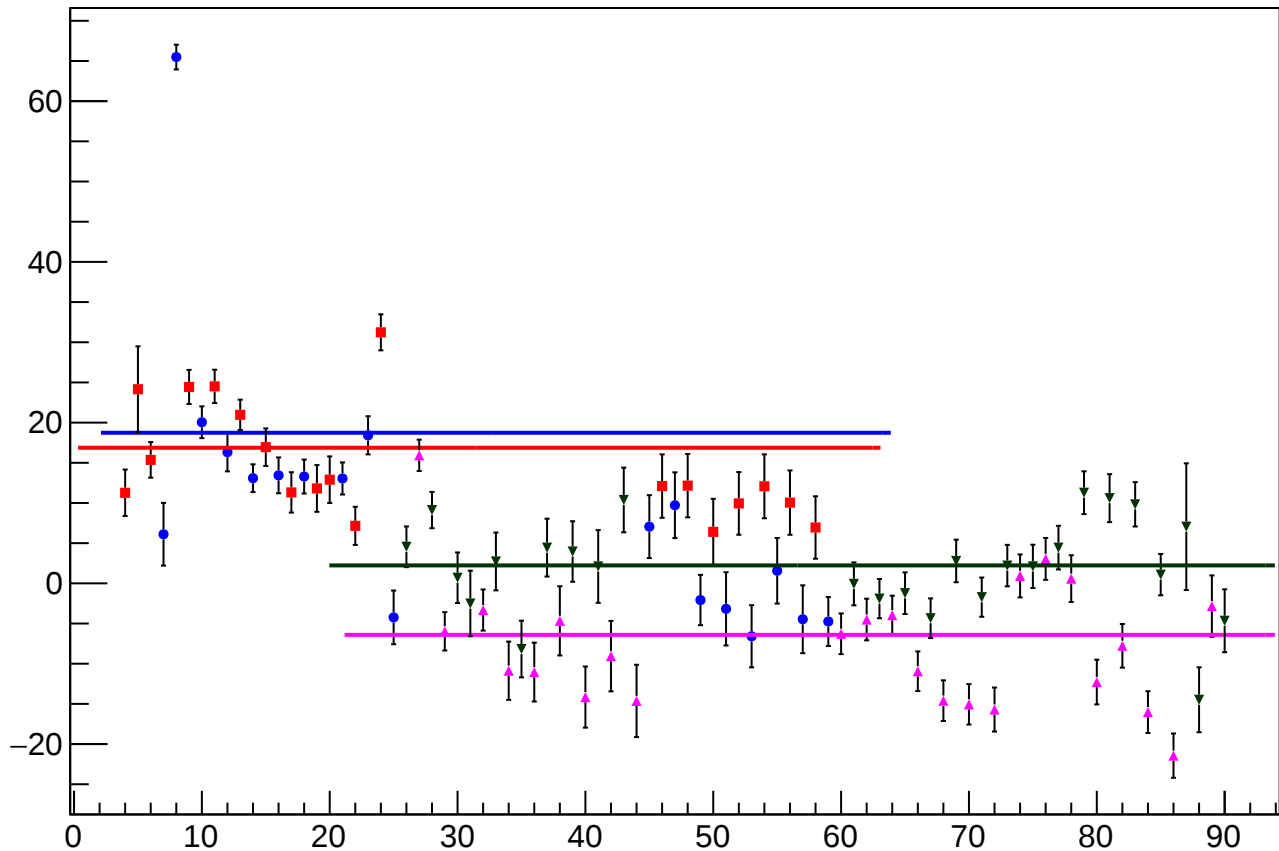
Right Out: 5644.999 ± 1.266 $\chi^2/\text{NDF}: 71475.4/18$

Left In: 6437.003 ± 1.254 $\chi^2/\text{NDF}: 282076.7/23$

6051.672 ± 0.875 $\chi^2/\text{NDF}: 512411.8/43$

6044.607 ± 0.891 $\chi^2/\text{NDF}: 551112.5/42$

diff_bpm0l05Y_mean vs slug



Right In: 18.738 ± 0.602 χ^2/NDF : 1241.3/17

Left Out: 2.232 ± 0.581 χ^2/NDF : 88.7/25

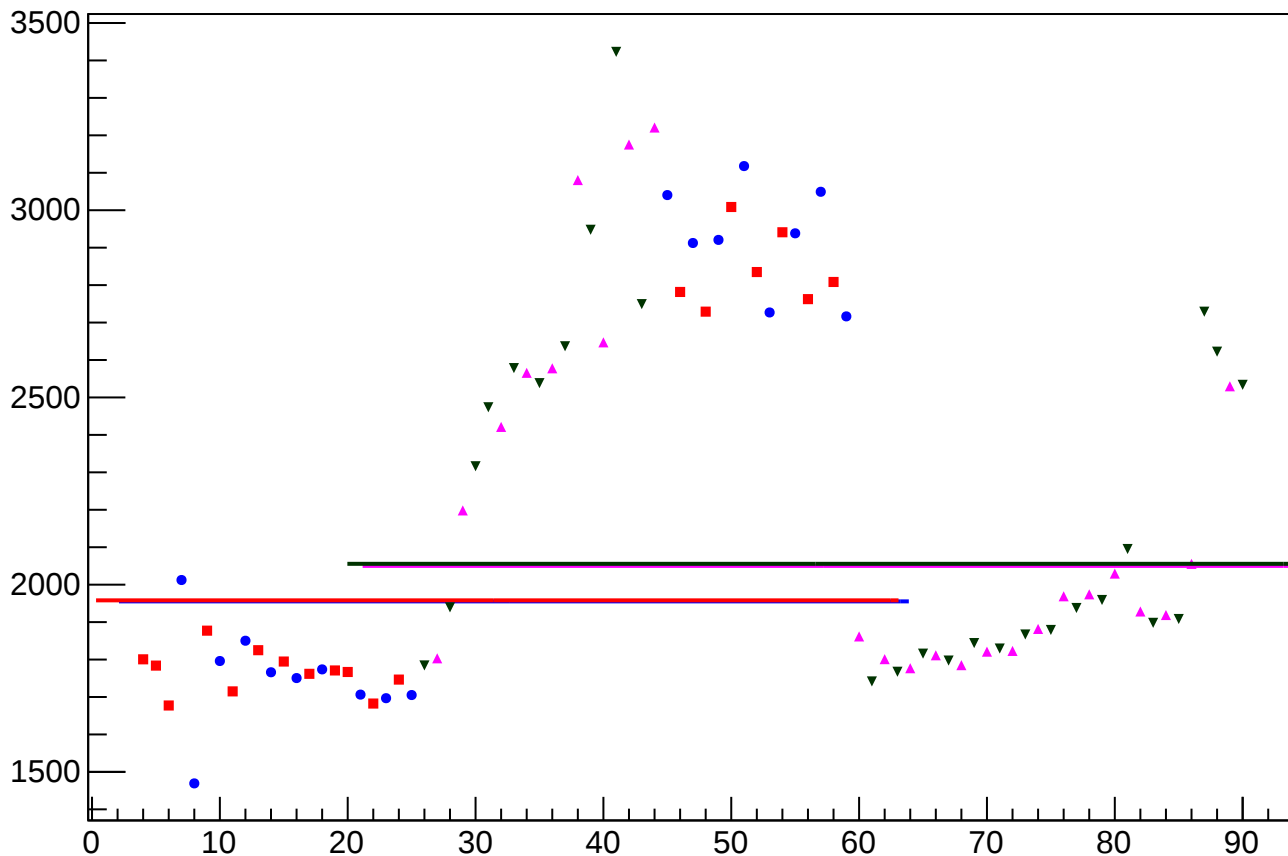
Right Out: 16.874 ± 0.633 χ^2/NDF : 128.0/18

Left In: -6.409 ± 0.570 χ^2/NDF : 258.3/23

10.196 ± 0.418 χ^2/NDF : 1719.6/43

4.022 ± 0.424 χ^2/NDF : 1132.6/42

diff_bpm0l05Y_rms vs slug



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

Left Out: 2055.677 $\pm$ 0.411 χ^2 /NDF: 796179.6/25

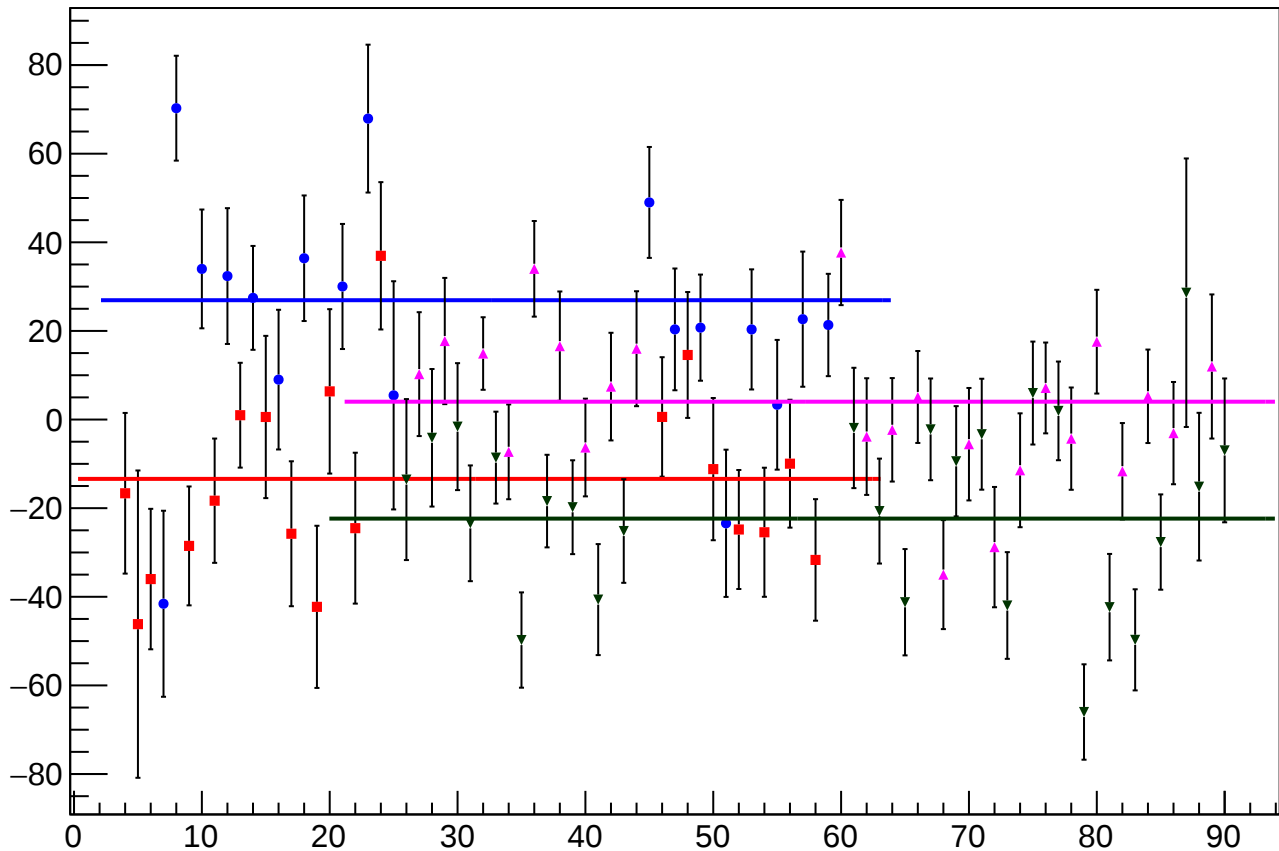
Right Out: 1958.115 $\pm$ 0.448 χ^2 /NDF: 858074.3/18

Left In: 2050.119 $\pm$ 0.403 χ^2 /NDF: 773258.1/23

2007.280 $\pm$ 0.296 χ^2 /NDF: 2200629.6/43

2008.901 $\pm$ 0.300 χ^2 /NDF: 1654638.5/42

diff_bpm0l06X_mean vs slug



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

Left Out: -22.355+/-2.423 χ^2 /NDF:68.1/25

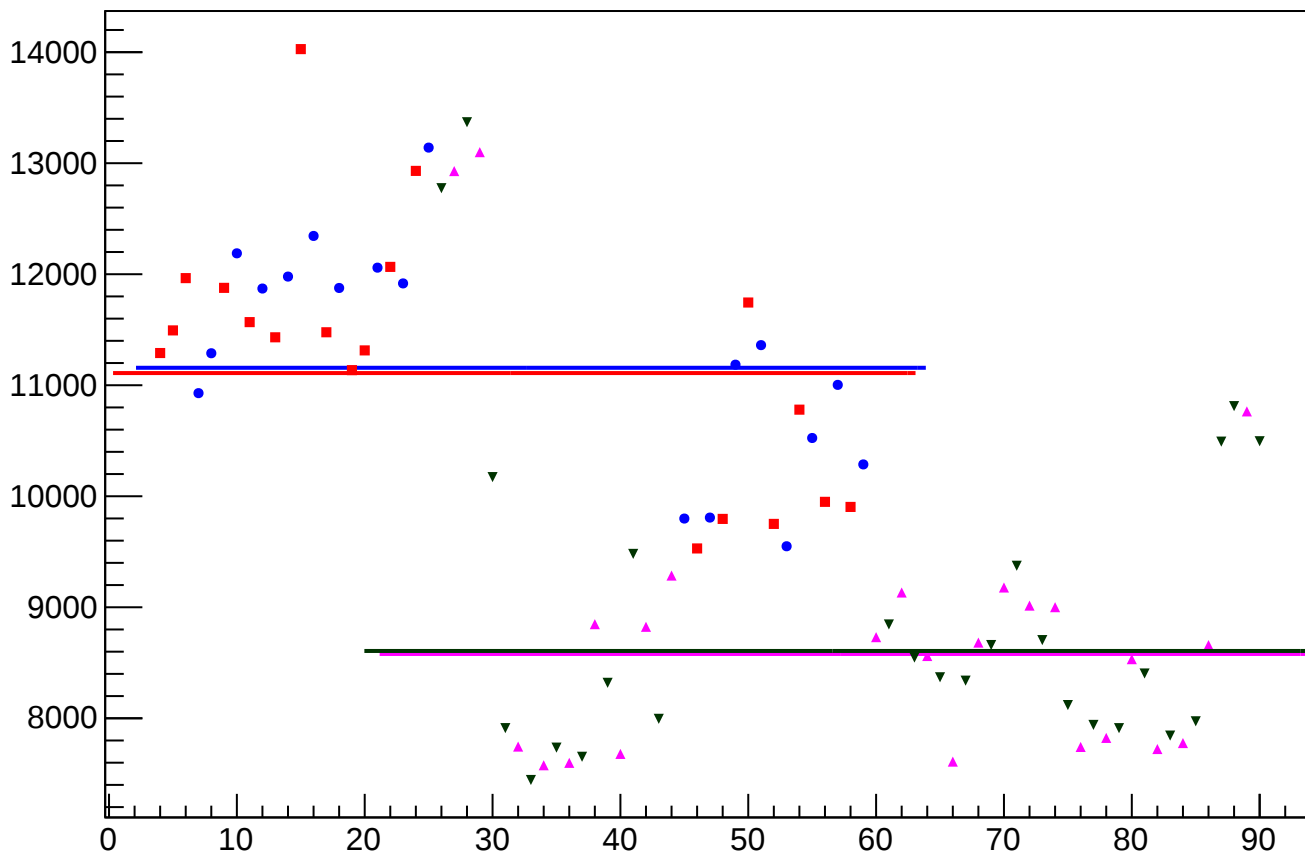
Right Out: -13.392+/-3.535 χ^2 /NDF: 28.4/18

Left In: 4.029+/-2.379 χ^2 /NDF:45.9/23

-5.337+/-1.961 χ^2 /NDF: 259.8/43

-1.404+/-1.974 χ^2 /NDF: 91.0/42

diff_bpm0l06X_rms vs slug



Right In: 11157.335 ± 2.359 χ^2/NDF : 153724.7/17

Left Out: 8606.391 ± 1.714 χ^2/NDF : 510290.4/25

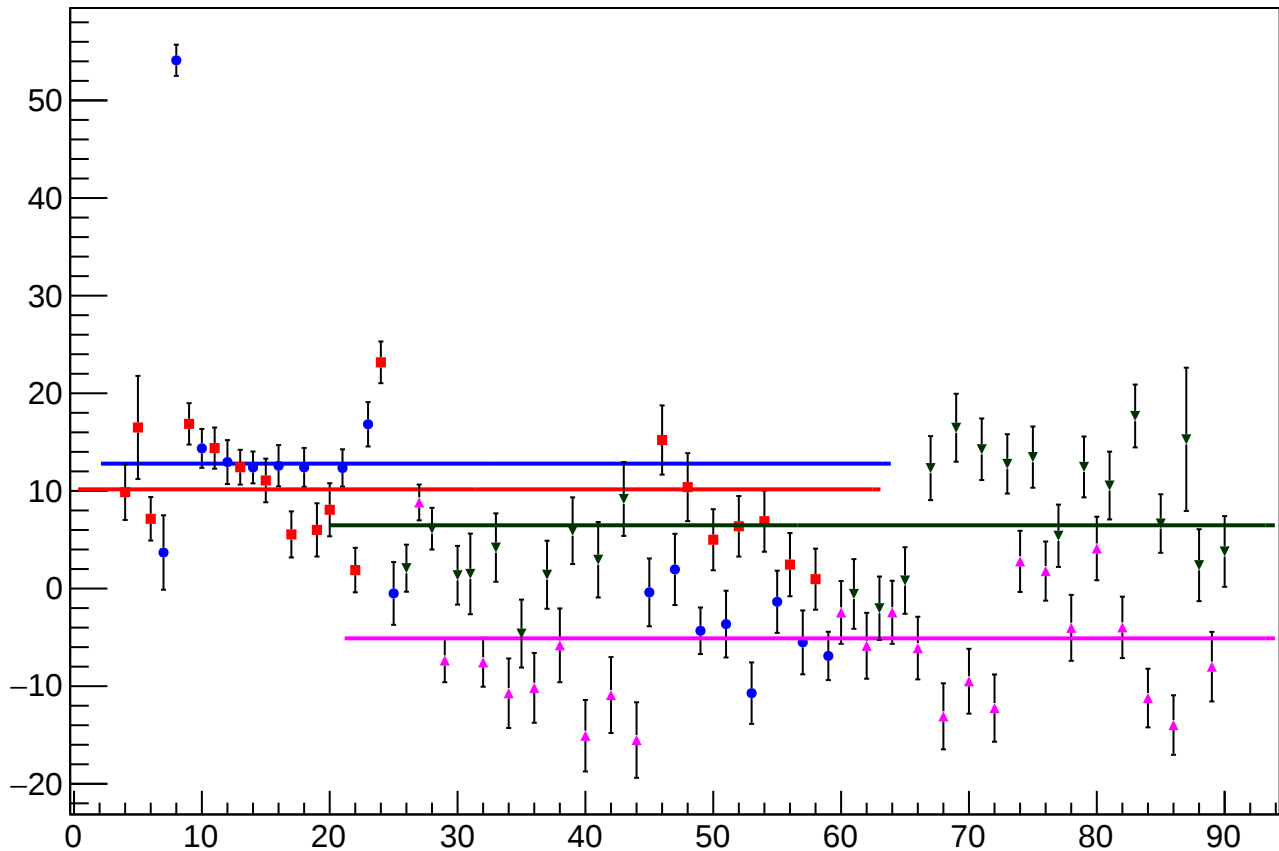
Right Out: 11109.639 ± 2.499 χ^2/NDF : 196396.7/18

Left In: 8579.349 ± 1.682 χ^2/NDF : 583156.9/23

9487.217 ± 1.386 χ^2/NDF : 1429297.4/43

9368.362 ± 1.396 χ^2/NDF : 1484864.9/42

diff_bpm0l06Y_mean vs slug



Right In: 12.794 ± 0.559 $\chi^2/\text{NDF}: 961.0/17$

Left Out: 6.480 ± 0.641 $\chi^2/\text{NDF}: 82.5/25$

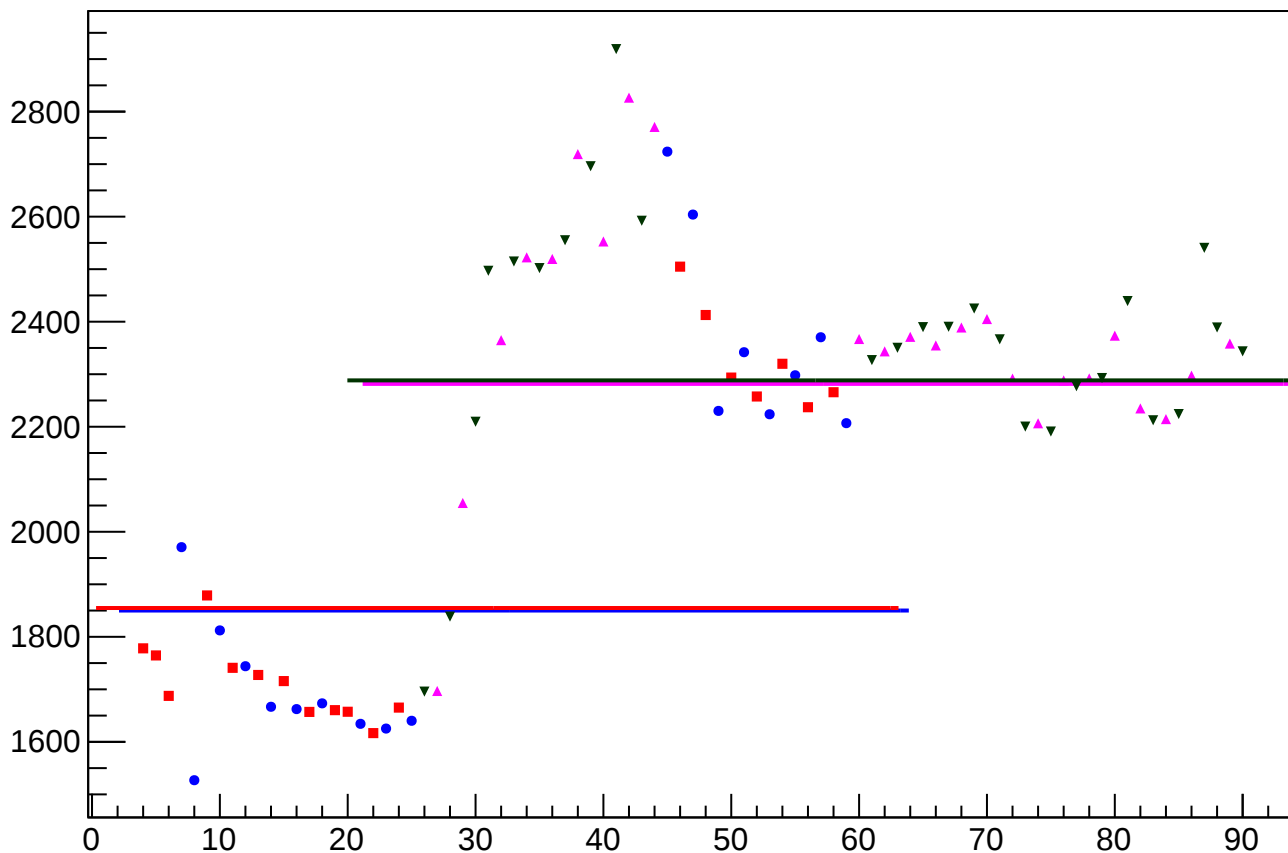
Right Out: 10.162 ± 0.592 $\chi^2/\text{NDF}: 97.7/18$

Left In: -5.100 ± 0.629 $\chi^2/\text{NDF}: 127.3/23$

10.066 ± 0.421 $\chi^2/\text{NDF}: 1098.7/43$

2.993 ± 0.431 $\chi^2/\text{NDF}: 536.8/42$

diff_bpm0l06Y_rms vs slug



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

Left Out: 2288.261+/-0.453 χ^2/NDF : 361216.6/25

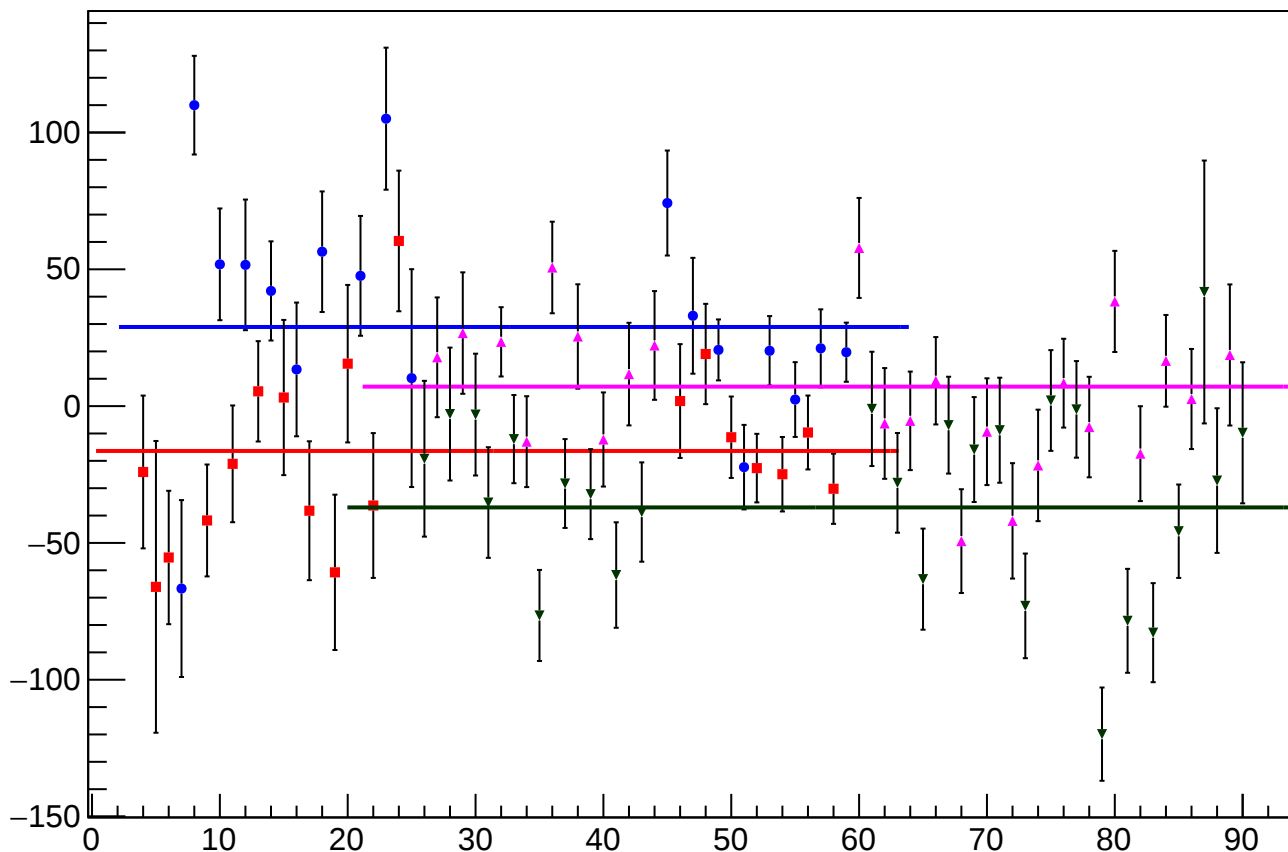
Right Out: 1854.854+/-0.419 χ^2/NDF : 407929.4/18

Left In: 2281.590+/-0.445 χ^2/NDF : 368089.8/23

2039.403+/-0.298 χ^2/NDF : 1555335.6/43

2055.297+/-0.305 χ^2/NDF : 1263624.8/42

diff_bpm0l07X_mean vs slug



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

Left Out: -37.024 ± 3.782 $\chi^2/\text{NDF}: 77.4/25$

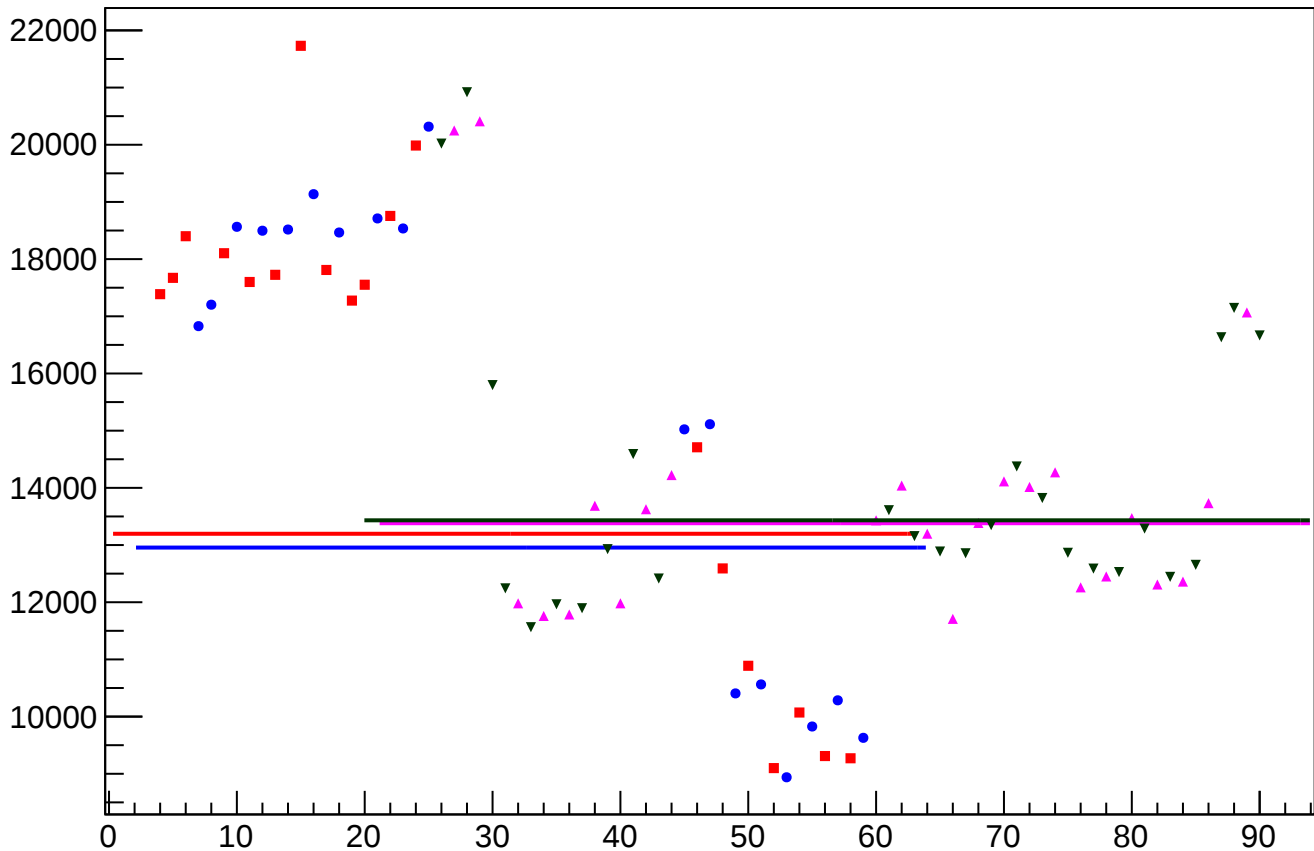
Right Out: -16.388 ± 4.377 $\chi^2/\text{NDF}: 27.5/18$

Left In: 7.122 ± 3.711 $\chi^2/\text{NDF}: 45.4/23$

-6.181 ± 2.760 $\chi^2/\text{NDF}: 285.2/43$

-2.709 ± 2.830 $\chi^2/\text{NDF}: 89.8/42$

diff_bpm0l07X_rms vs slug



Right In: 12955.913 $\pm$ 2.853 χ^2 /NDF: 1900634.7/17

Left Out: 13432.521 $\pm$ 2.674 χ^2 /NDF: 514855.3/25

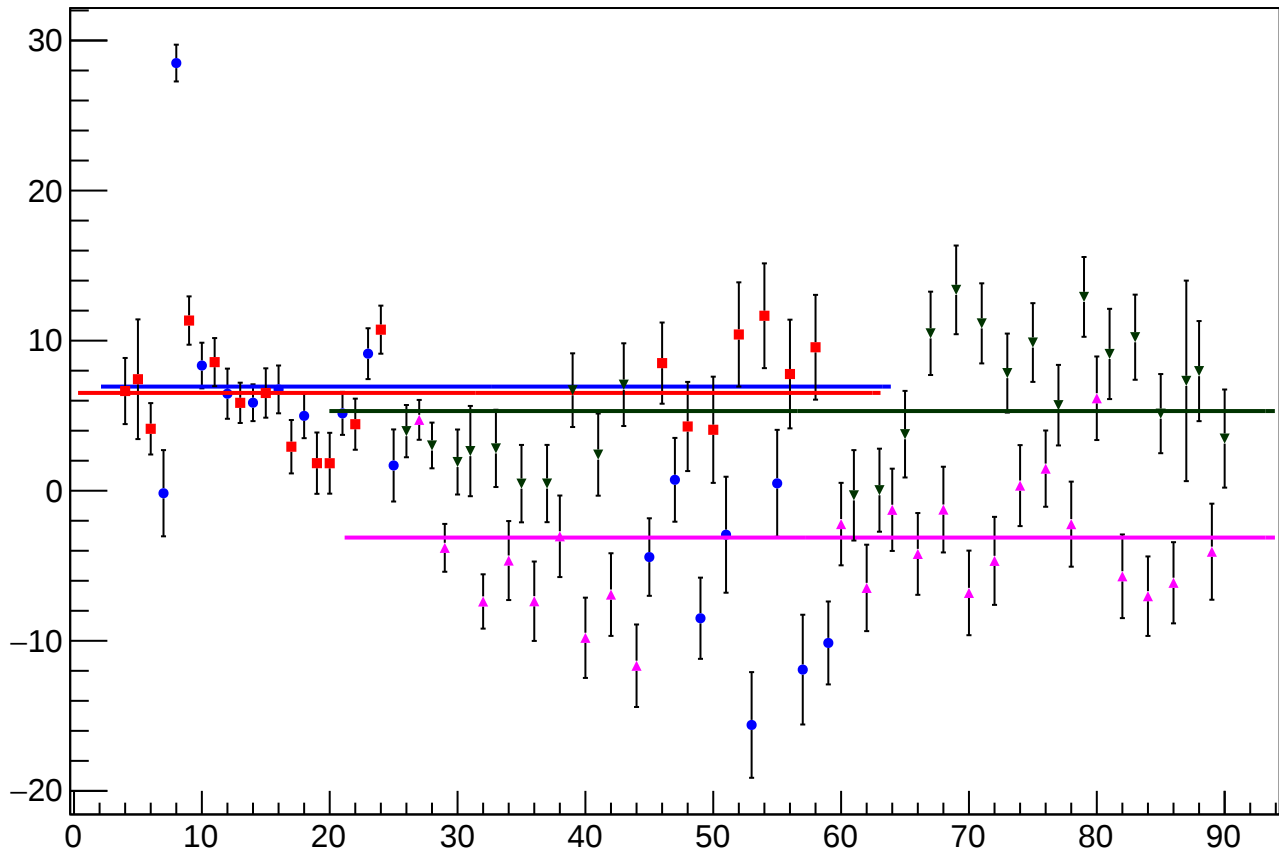
13209.621 $\pm$ 1.951 χ^2 /NDF: 2430342.8/43

Right Out: 13197.185 $\pm$ 3.095 χ^2 /NDF: 1767752.6/18

13304.596 $\pm$ 2.001 χ^2 /NDF: 2350745.9/42

Left In: 13381.793 $\pm$ 2.624 χ^2 /NDF: 580923.3/23

diff_bpm0l07Y_mean vs slug



Right In: 6.939+/-0.450 χ^2/NDF : 499.6/17

Left Out: 5.309+/-0.508 χ^2/NDF : 56.9/25

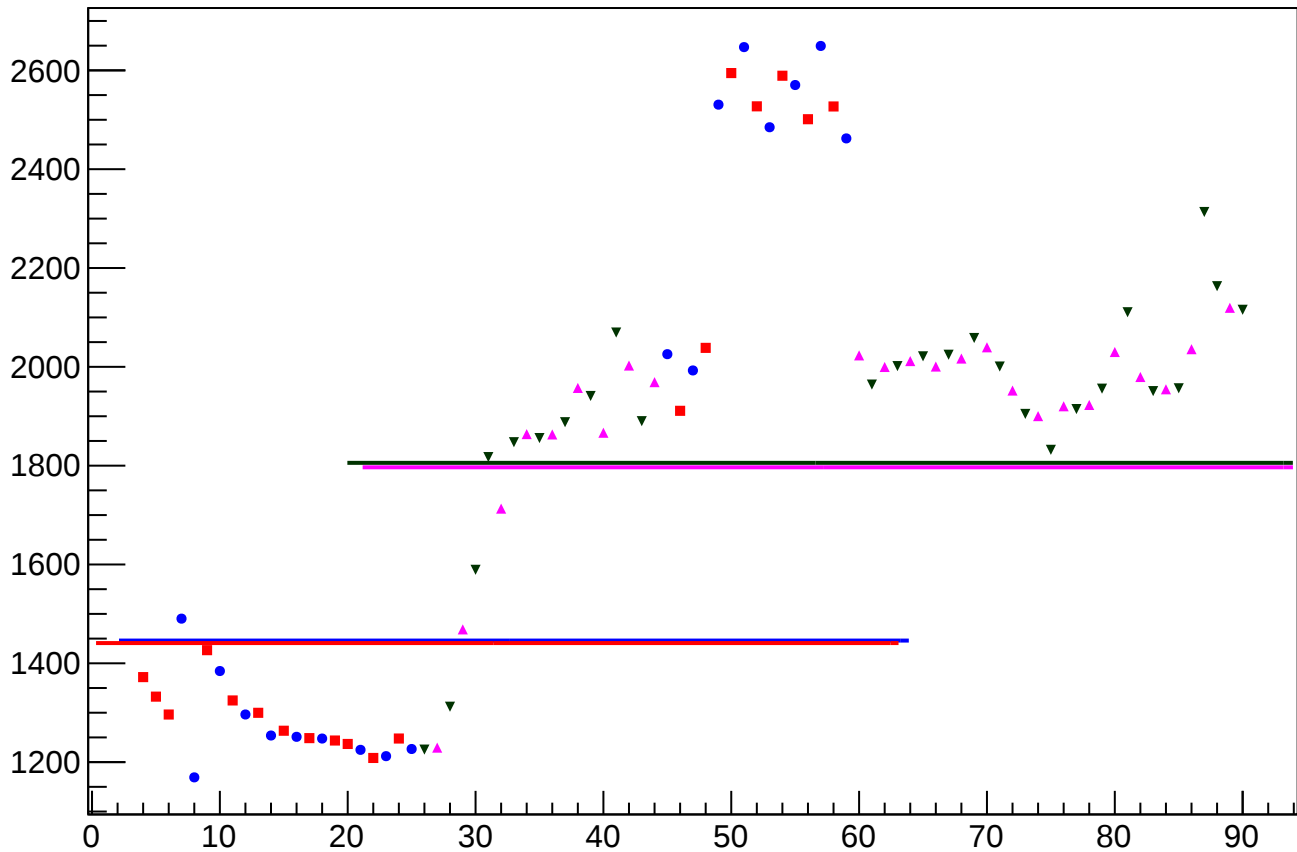
Right Out: 6.517+/-0.472 χ^2/NDF : 41.8/18

Left In: -3.121+/-0.498 χ^2/NDF : 86.3/23

6.224+/-0.337 χ^2/NDF : 562.2/43

1.962+/-0.342 χ^2/NDF : 325.6/42

diff_bpm0l07Y_rms vs slug



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

Left Out: 1805.705+/-0.360 χ^2/NDF : 644018.2/25

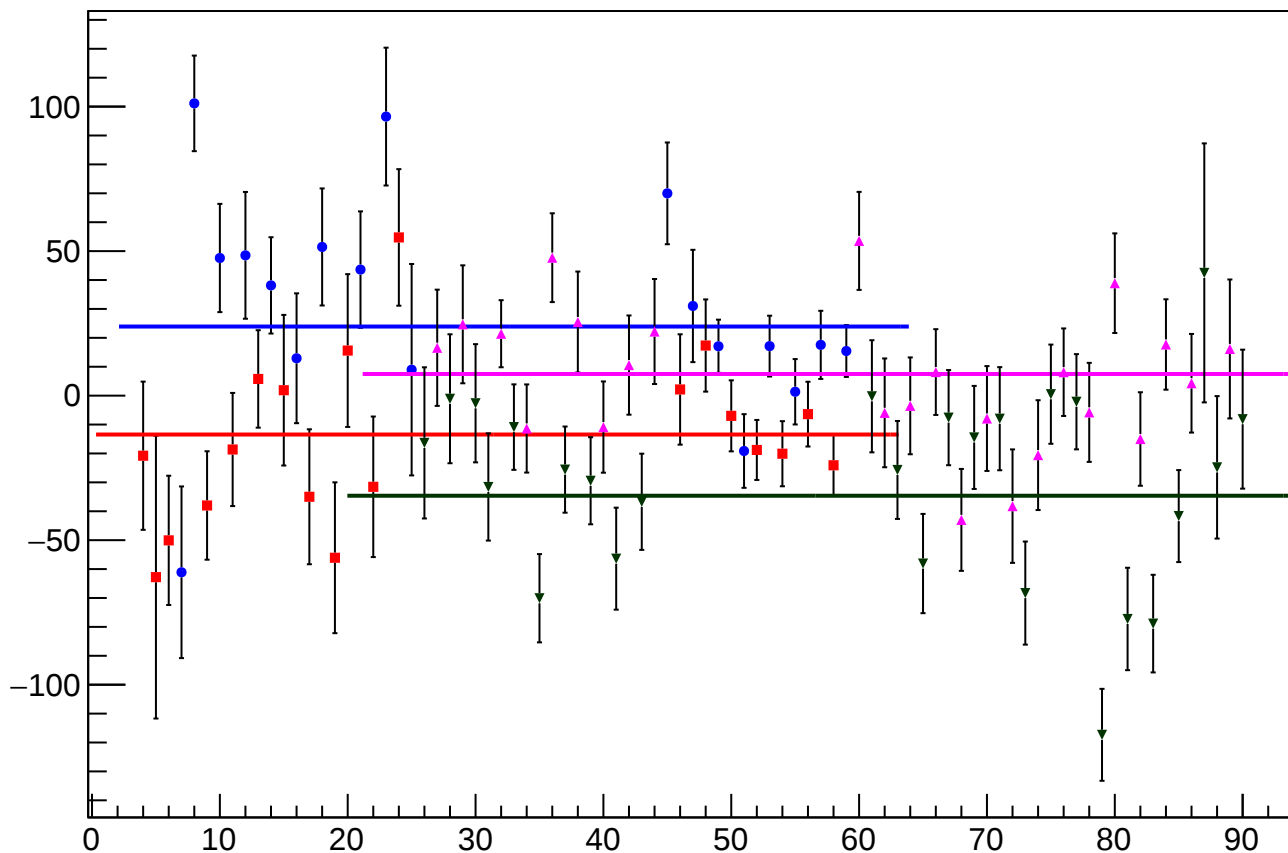
1603.850+/-0.238 χ^2/NDF : 3097182.0/43

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

1609.083+/-0.242 χ^2/NDF : 2511837.2/42

Left In: 1796.667+/-0.352 χ^2/NDF : 640845.9/23

diff_bpm0l08X_mean vs slug



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

Left Out: -34.628 ± 3.501 χ^2/NDF : 82.6/25

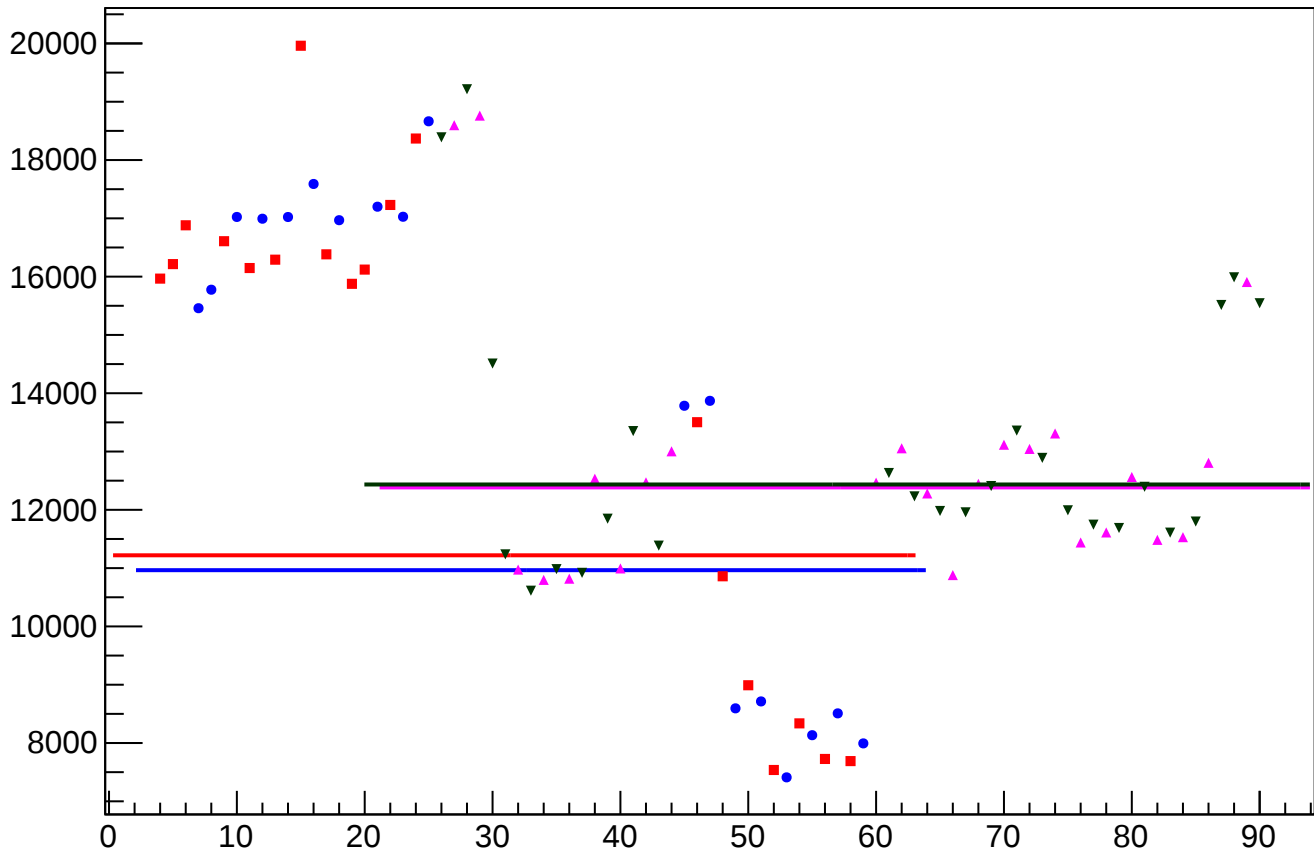
Right Out: -13.450 ± 3.783 χ^2/NDF : 27.5/18

Left In: 7.493 ± 3.434 χ^2/NDF : 45.1/23

-5.097 ± 2.465 χ^2/NDF : 294.2/43

-1.967 ± 2.543 χ^2/NDF : 89.4/42

diff_bpm0l08X_rms vs slug



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

Left Out: 12434.676+/-2.476 χ^2/NDF : 514892.9/25

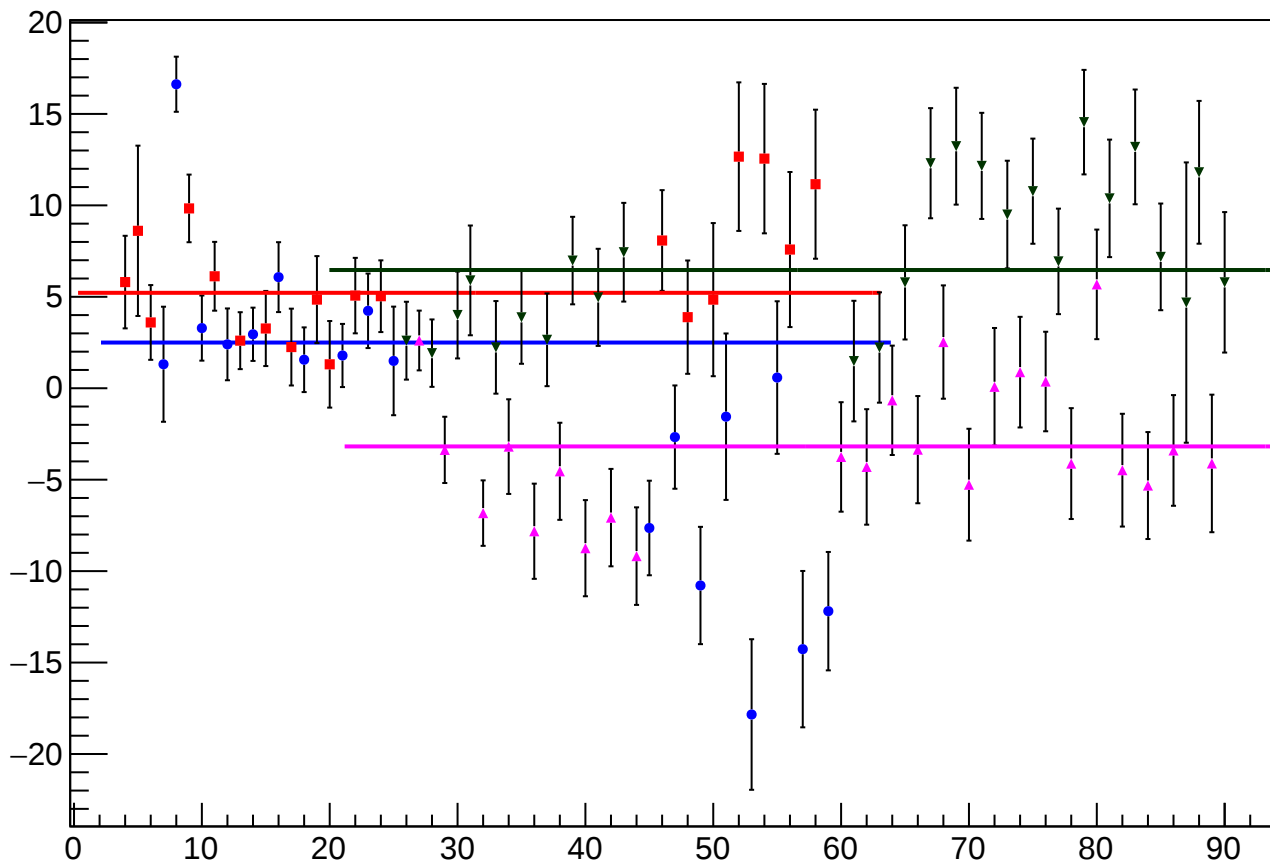
11693.114+/-1.743 χ^2/NDF : 3243574.6/43

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

11858.458+/-1.798 χ^2/NDF : 3026140.7/42

Left In: 12384.486+/-2.428 χ^2/NDF : 578287.2/23

diff_bpm0l08Y_mean vs slug



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

Left Out: 6.465 ± 0.550 χ^2/NDF : 52.9/25

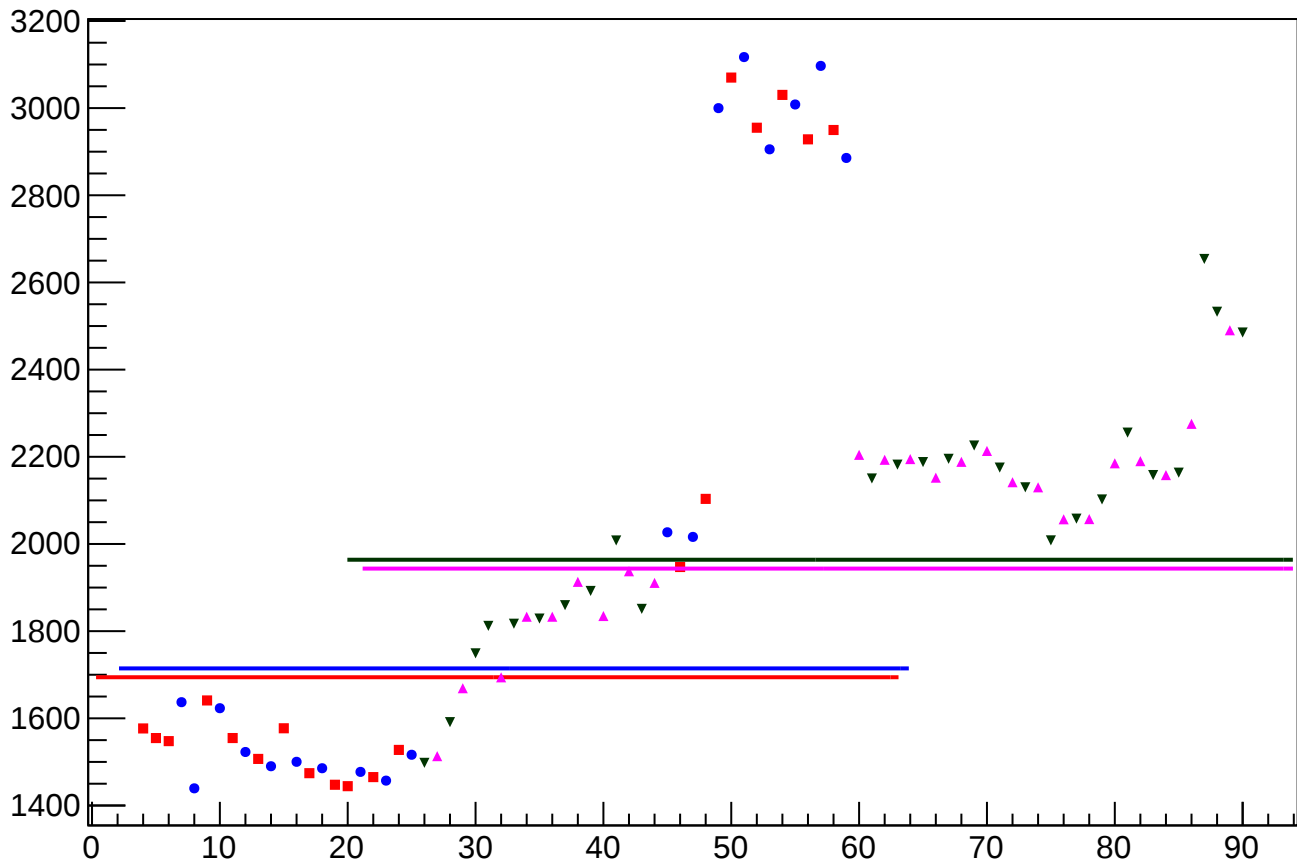
Right Out: 5.218 ± 0.553 χ^2/NDF : 26.5/18

Left In: -3.182 ± 0.537 χ^2/NDF : 50.7/23

4.408 ± 0.382 χ^2/NDF : 270.2/43

0.895 ± 0.385 χ^2/NDF : 196.0/42

diff_bpm0l08Y_rms vs slug



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

Left Out: 1963.863+/-0.389 χ^2/NDF : 426399.9/25

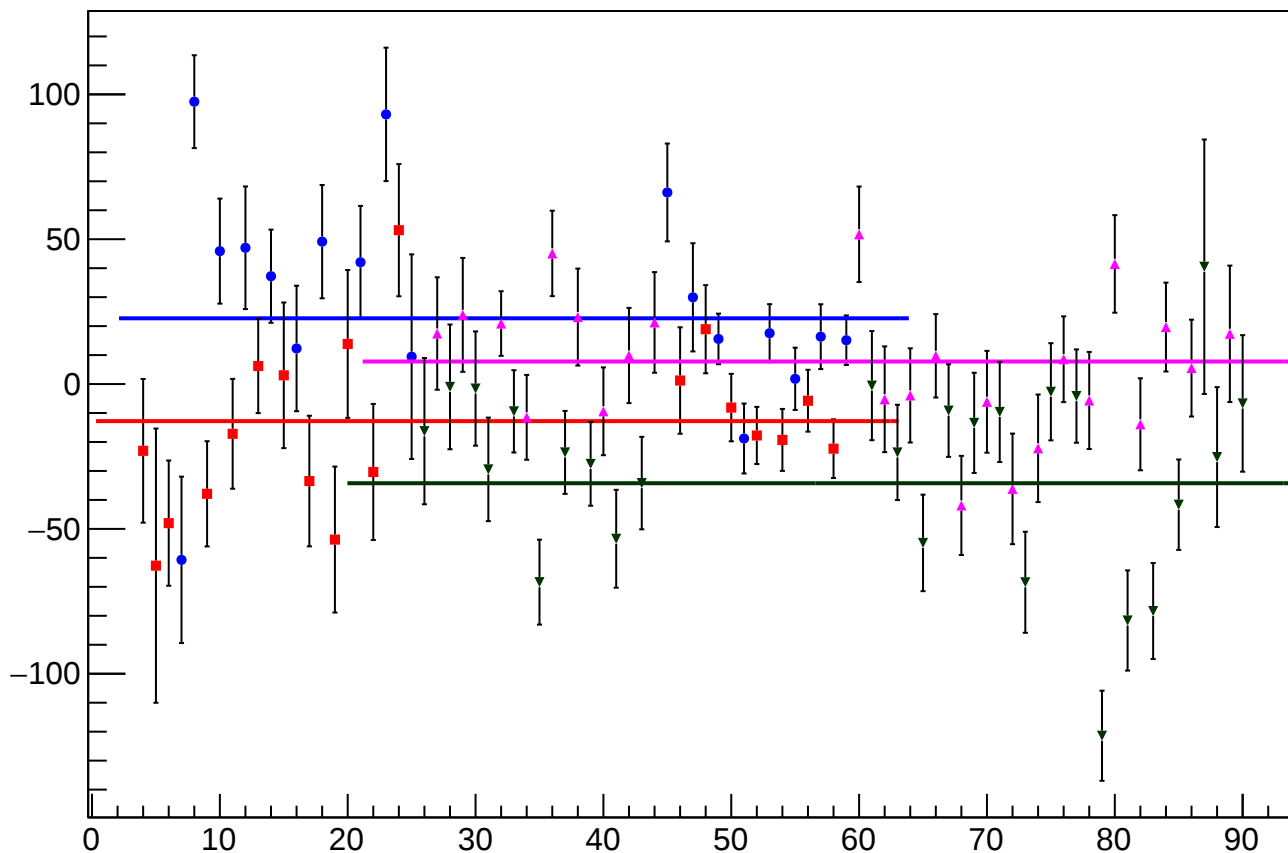
Right Out: 1694.263+/-0.391 χ^2/NDF : 1202765.8/18

Left In: 1943.534+/-0.380 χ^2/NDF : 439061.7/23

1834.532+/-0.270 χ^2/NDF : 2309986.9/43

1822.564+/-0.272 χ^2/NDF : 1851148.1/42

diff_bpm0l09X_mean vs slug



Right In: 22.698 $\pm$ 3.315 χ^2 /NDF: 70.9/17

Left Out: -34.235 $\pm$ 3.394 χ^2 /NDF: 88.8/25

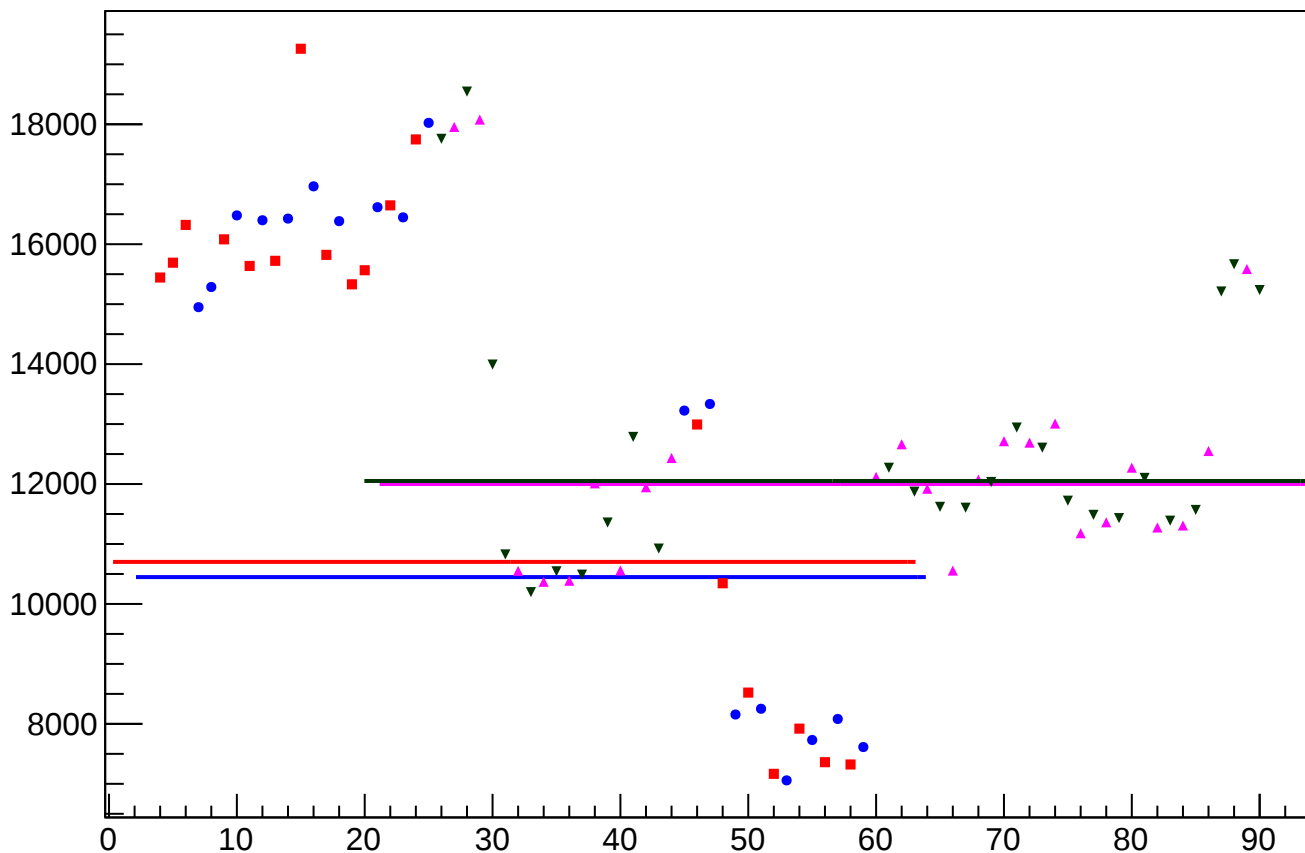
Right Out: -12.799 $\pm$ 3.618 χ^2 /NDF: 28.2/18

Left In: 7.788 $\pm$ 3.327 χ^2 /NDF: 45.6/23

-5.100 $\pm$ 2.371 χ^2 /NDF: 303.8/43

-1.645 $\pm$ 2.449 χ^2 /NDF: 91.3/42

diff_bpm0l09X_rms vs slug



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

Left Out: 12050.880+/-2.400 χ^2/NDF : 524251.9/25

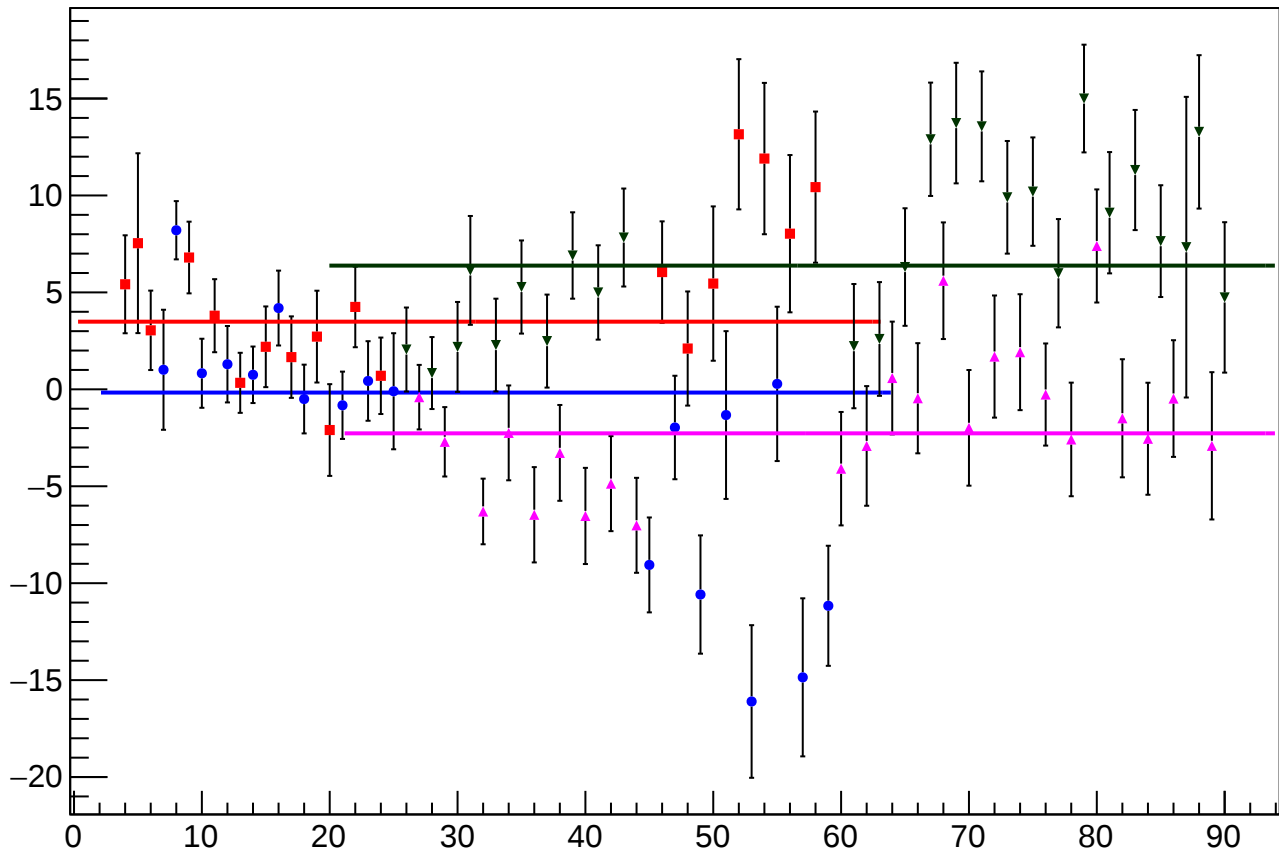
Right Out: 10701.460+/-2.558 χ^2/NDF : 2438498.5/18

Left In: 12000.339+/-2.353 χ^2/NDF : 582267.5/23

11230.697+/-1.677 χ^2/NDF : 3407180.8/43

11405.174+/-1.732 χ^2/NDF : 3160402.7/42

diff_bpm0l09Y_mean vs slug



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

Left Out: 6.381 ± 0.534 χ^2/NDF : 62.7/25

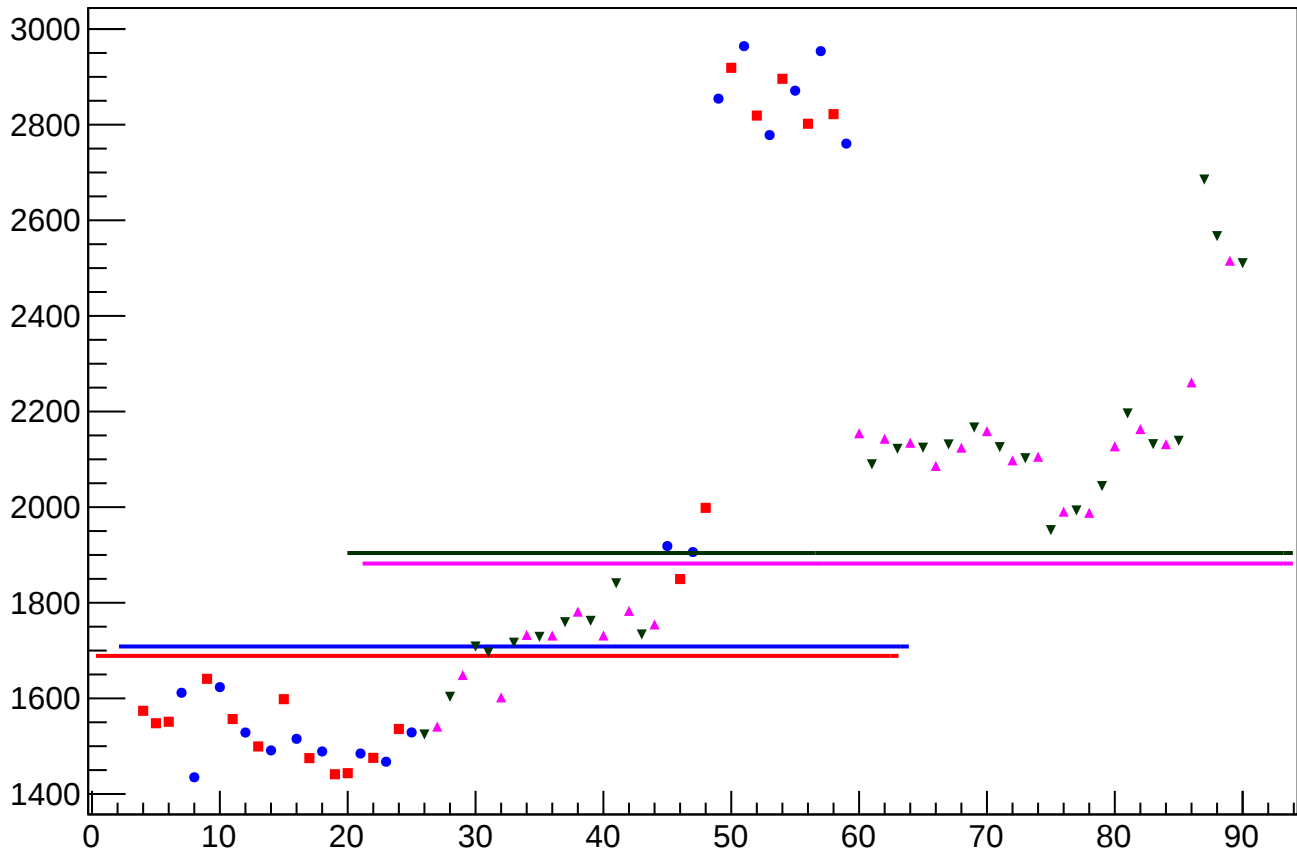
Right Out: 3.490 ± 0.549 χ^2/NDF : 34.4/18

Left In: -2.270 ± 0.520 χ^2/NDF : 42.1/23

3.057 ± 0.375 χ^2/NDF : 244.3/43

0.454 ± 0.377 χ^2/NDF : 134.6/42

diff_bpm0l09Y_rms vs slug



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

Left Out: 1904.066+/-0.377 χ^2/NDF : 438435.7/25

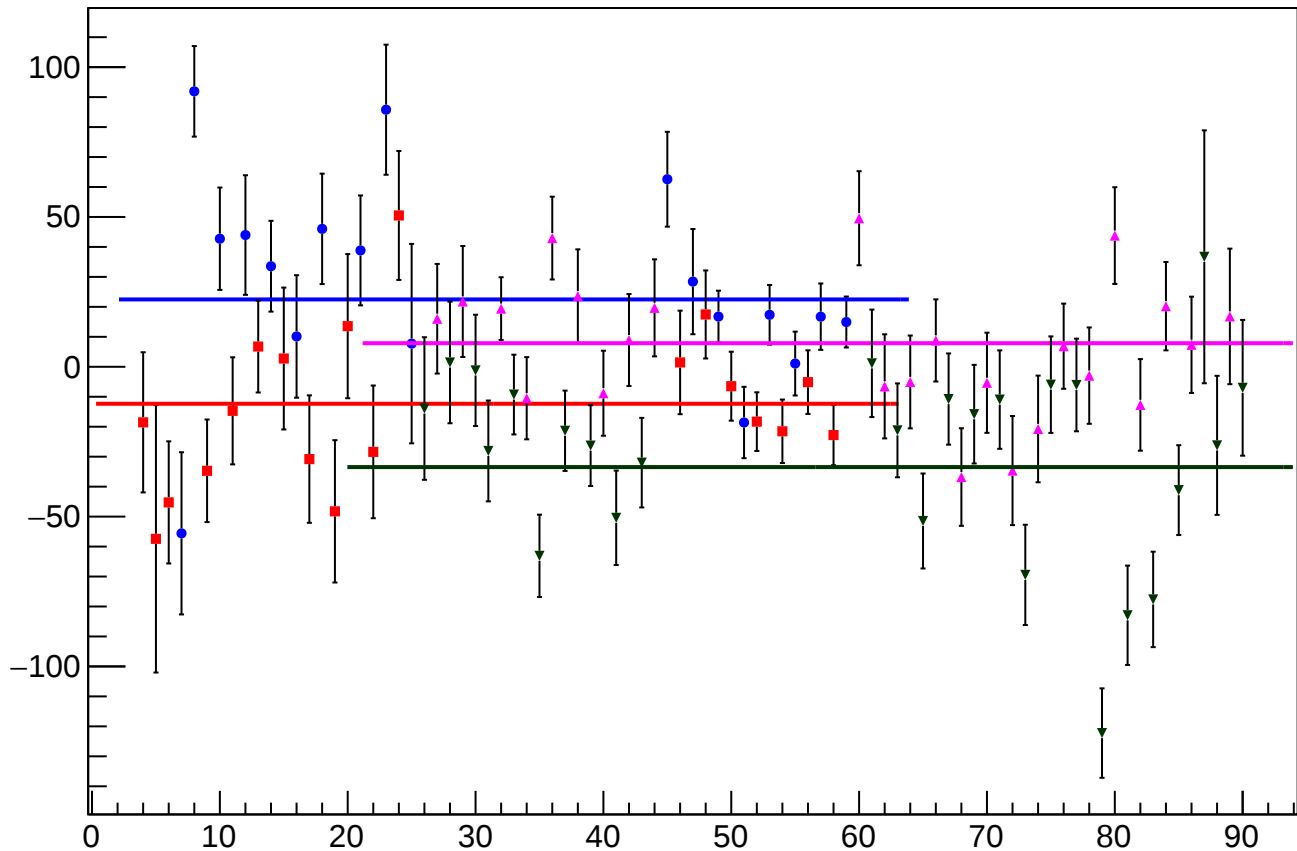
1804.830+/-0.265 χ^2/NDF : 2039216.5/43

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

1790.683+/-0.267 χ^2/NDF : 1643379.9/42

Left In: 1881.992+/-0.368 χ^2/NDF : 454305.4/23

diff_bpm0l10X_mean vs slug



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

Left Out: -33.475 ± 3.218 $\chi^2/\text{NDF}: 95.0/25$

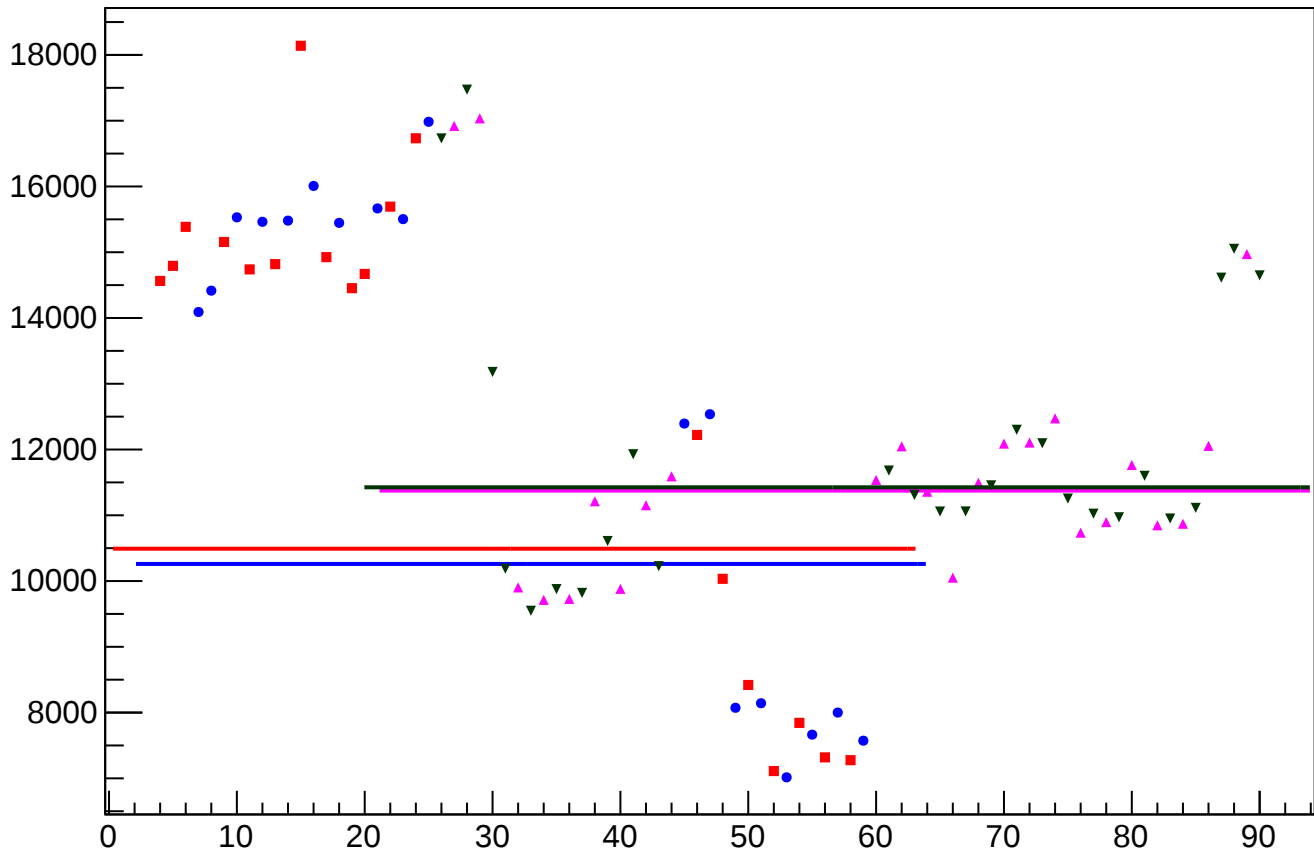
Right Out: -12.340 ± 3.516 $\chi^2/\text{NDF}: 28.3/18$

Left In: 7.880 ± 3.155 $\chi^2/\text{NDF}: 45.9/23$

-5.579 ± 2.279 $\chi^2/\text{NDF}: 314.0/43$

-1.137 ± 2.348 $\chi^2/\text{NDF}: 92.5/42$

diff_bpm0l10X_rms vs slug



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

Left Out: 11425.503 $\pm$ 2.276 χ^2 /NDF: 540742.2/25

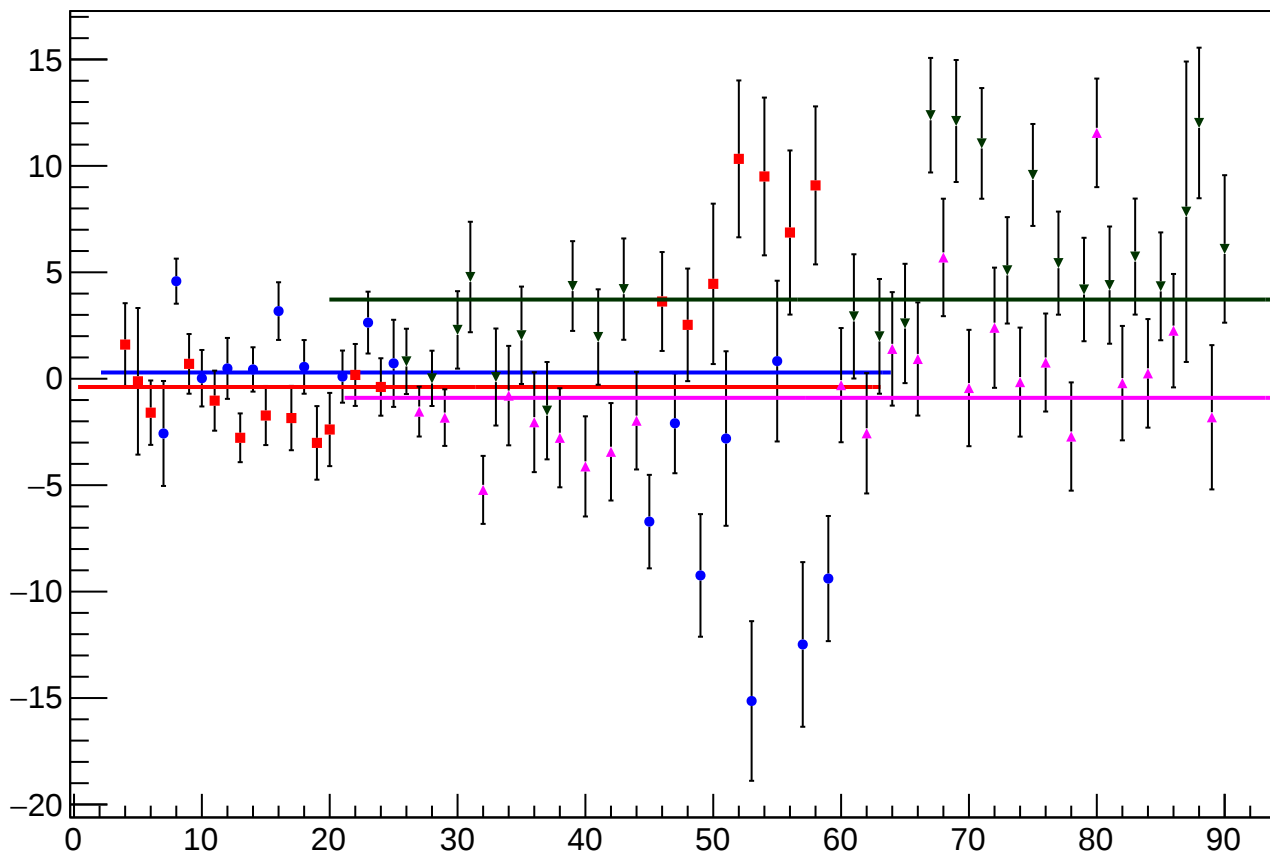
10844.523 $\pm$ 1.612 χ^2 /NDF: 2991462.7/43

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

10981.396 $\pm$ 1.660 χ^2 /NDF: 2802089.6/42

Left In: 11375.213 $\pm$ 2.231 χ^2 /NDF: 593332.3/23

diff_bpm0l10Y_mean vs slug



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

Left Out: 3.720 ± 0.461 χ^2/NDF : 62.9/25

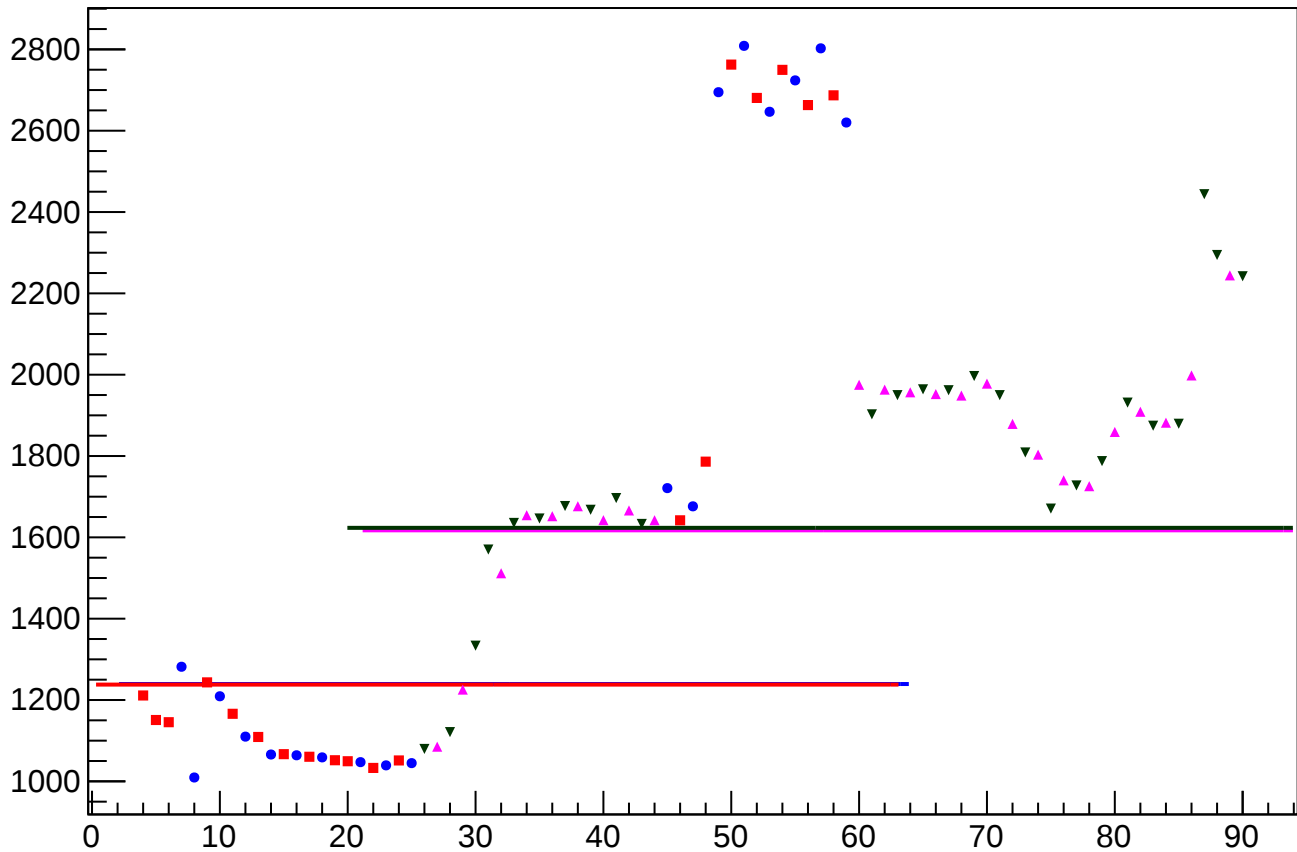
Right Out: -0.388 ± 0.412 χ^2/NDF : 44.0/18

Left In: -0.898 ± 0.452 χ^2/NDF : 47.7/23

1.736 ± 0.299 χ^2/NDF : 181.5/43

-0.619 ± 0.304 χ^2/NDF : 92.4/42

diff_bpm0l10Y_rms vs slug



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

Left Out: 1623.378 $\pm$ 0.326 χ^2 /NDF:1030486.0/25

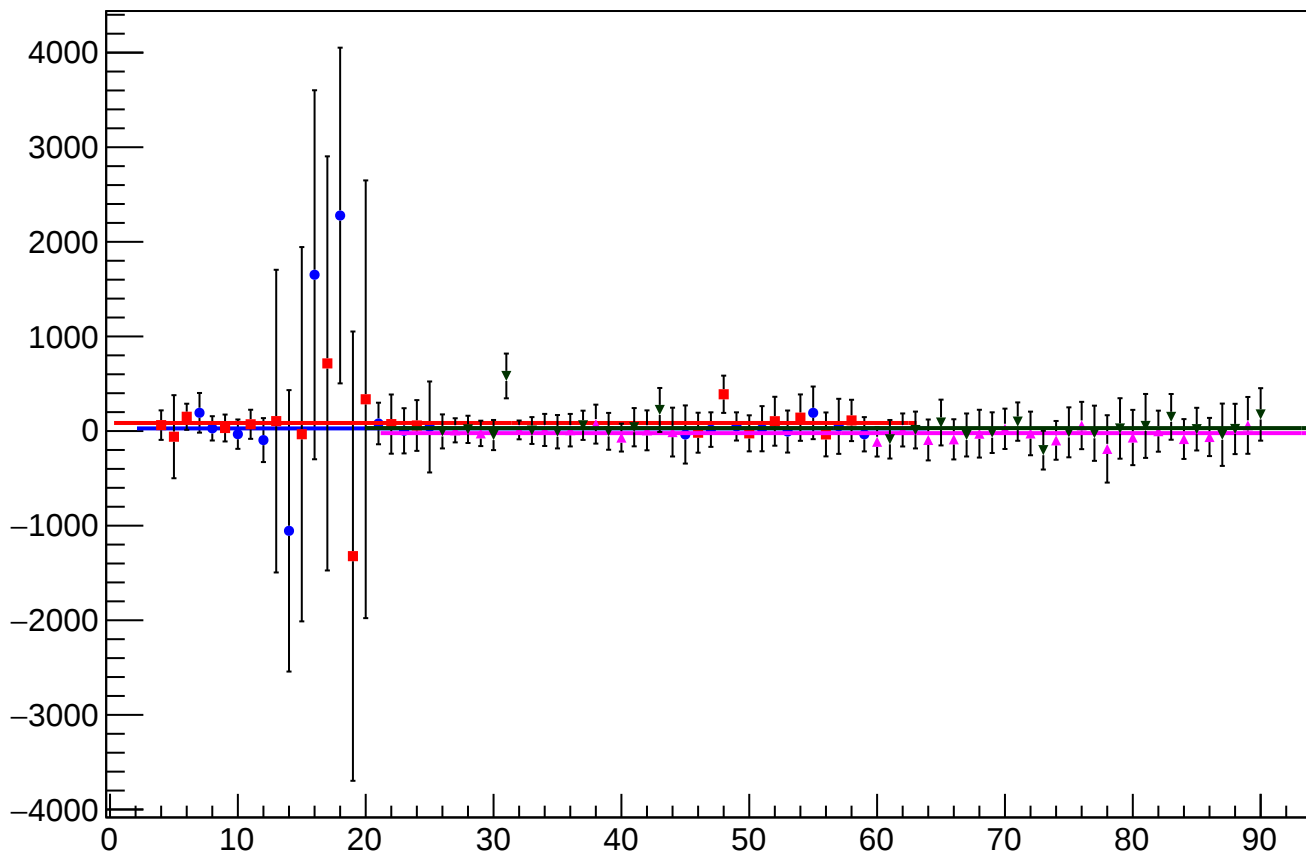
Right Out: 1237.907 $\pm$ 0.291 χ^2 /NDF: 1914347.8/18

Left In: 1617.283 $\pm$ 0.319 χ^2 /NDF:1001194.5/23

1401.019 $\pm$ 0.211 χ^2 /NDF: 4511290.1/43

1410.173 $\pm$ 0.215 χ^2 /NDF: 3686178.6/42

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: 31.136+/-40.692 χ^2/NDF : 9.1/25

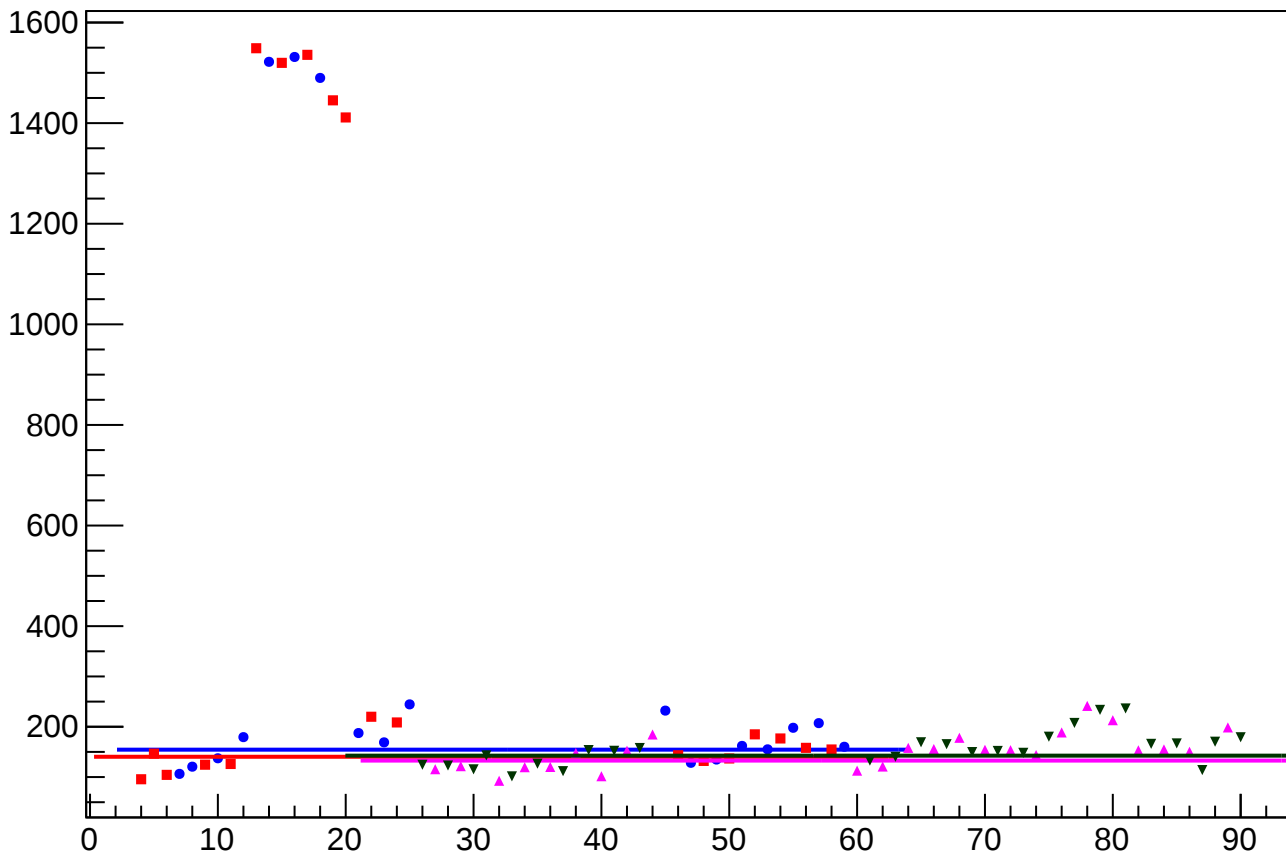
Right Out: 85.325+/-52.506 χ^2/NDF : 4.3/18

Left In: -21.940+/-37.612 χ^2/NDF : 1.9/23

29.906+/-32.116 χ^2/NDF : 13.6/43

14.436+/-30.576 χ^2/NDF : 8.9/42

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: 142.561 $\pm$ 0.029 χ^2 /NDF:1027500.1/25

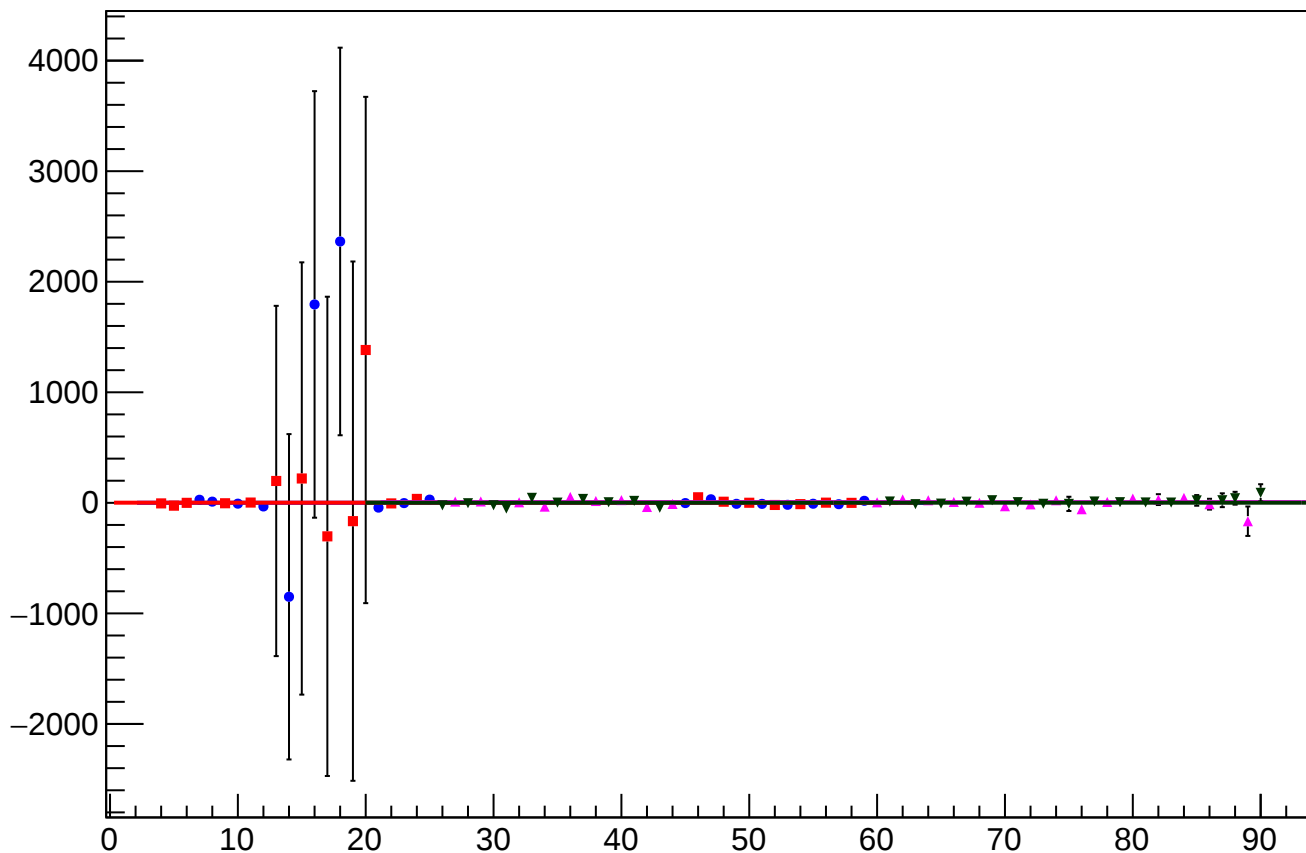
Right Out: 140.345 $\pm$ 0.037 χ^2 /NDF: 5274055.6/18

Left In: 132.739 $\pm$ 0.027 χ^2 /NDF:1385875.7/23

147.045 $\pm$ 0.023 χ^2 /NDF: 5648645.3/43

135.318 $\pm$ 0.022 χ^2 /NDF: 6687672.6/42

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: 1.414+/-5.038 χ^2/NDF : 18.8/25

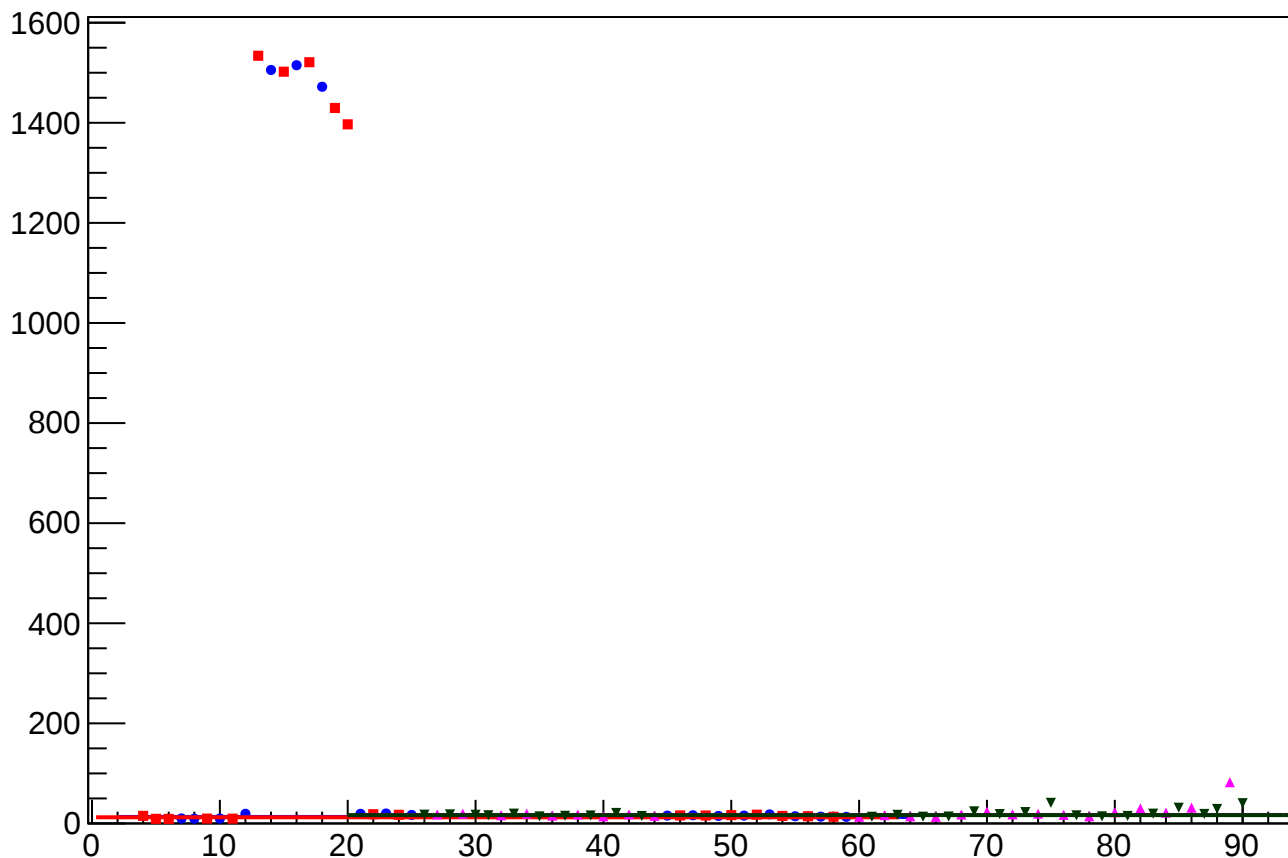
Right Out: 1.382+/-4.789 χ^2/NDF : 9.5/18

Left In: 6.670+/-5.043 χ^2/NDF : 25.2/23

0.961+/-3.403 χ^2/NDF : 35.4/43

3.889+/-3.472 χ^2/NDF : 35.2/42

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: 16.680 $\pm$ 0.004 χ^2 /NDF: 1257971.0/25

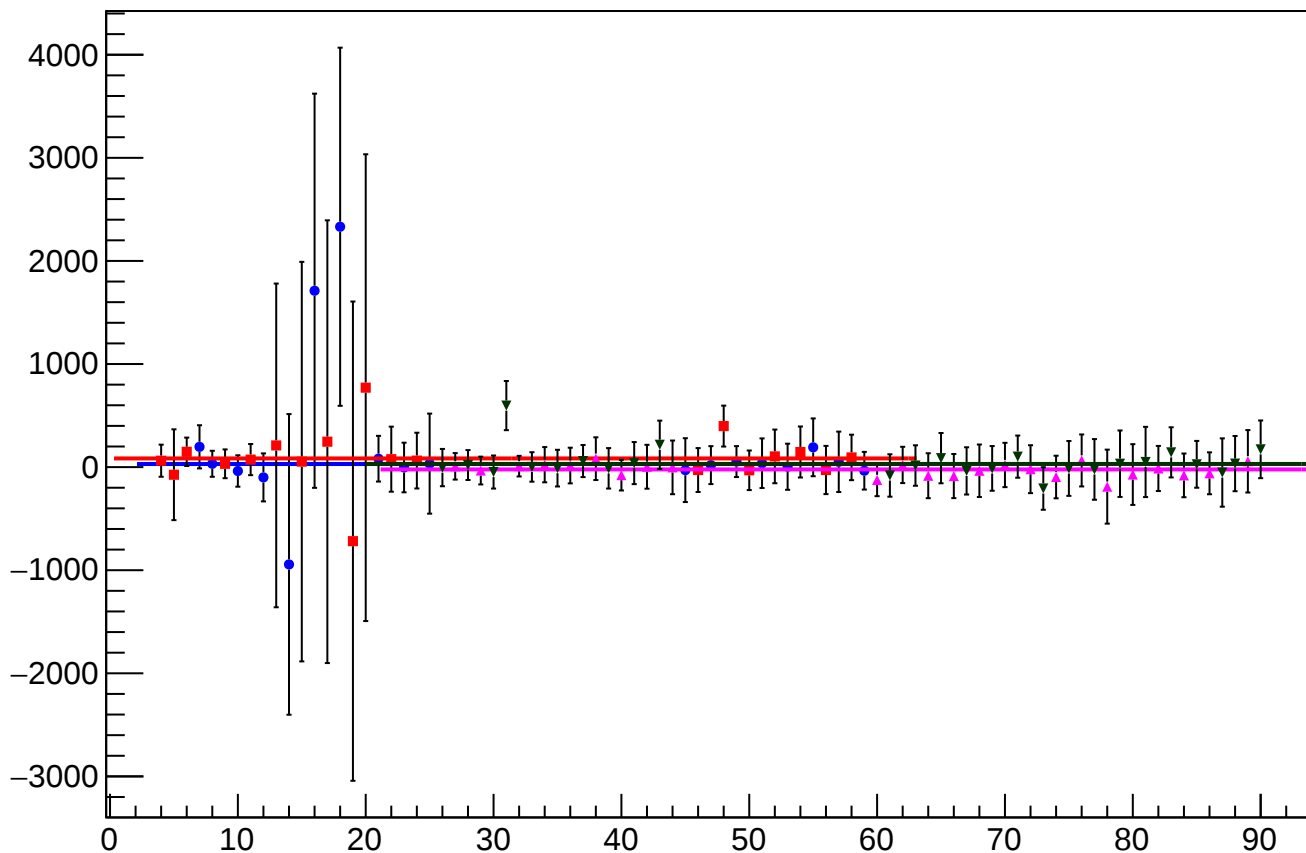
Right Out: 12.312 $\pm$ 0.003 χ^2 /NDF: 6373010.7/18

Left In: 16.972 $\pm$ 0.004 χ^2 /NDF: 1327273.7/23

14.686 $\pm$ 0.002 χ^2 /NDF: 7529680.0/43

14.522 $\pm$ 0.002 χ^2 /NDF: 8598418.1/42

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: 30.764+/-41.012 χ^2/NDF : 9.2/25

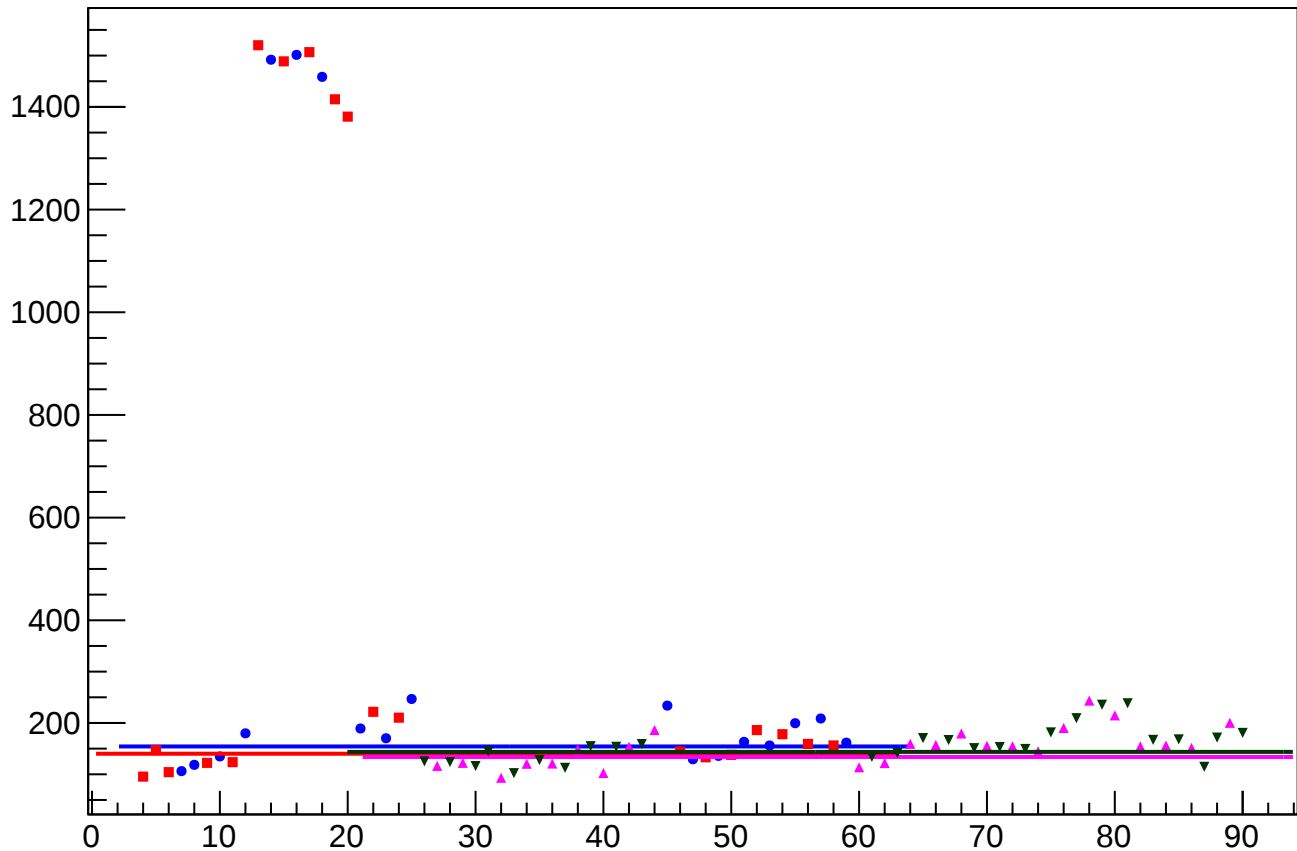
Right Out: 84.316+/-52.424 χ^2/NDF : 4.2/18

Left In: -22.266+/-37.899 χ^2/NDF : 2.1/23

30.477+/-32.265 χ^2/NDF : 14.0/43

14.317+/-30.714 χ^2/NDF : 8.9/42

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs slug



Right In: 154.234+/-0.037 χ^2/NDF : 4584859.8/17

Left Out: 143.675+/-0.029 χ^2/NDF :1028451.2/25

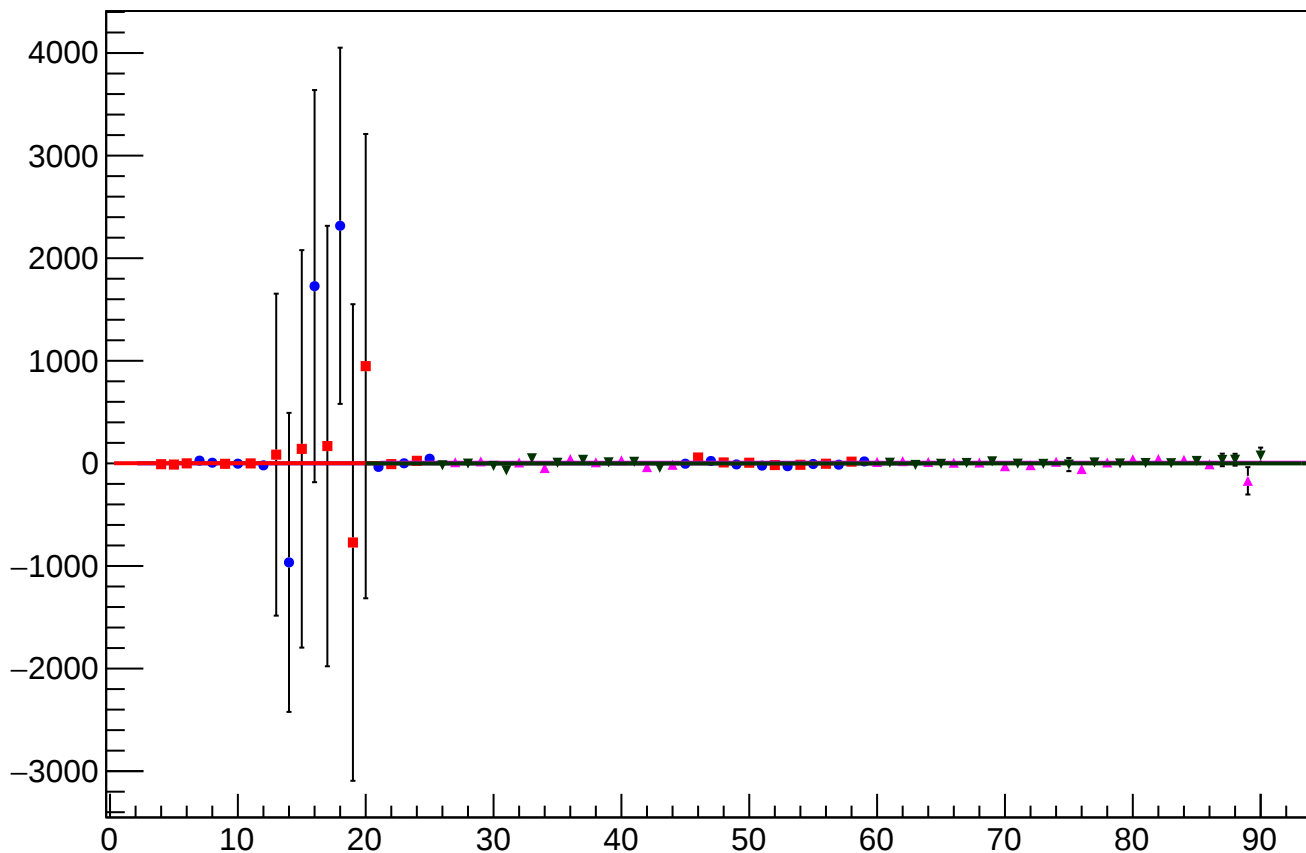
147.699+/-0.023 χ^2/NDF : 5663835.3/43

Right Out: 140.050+/-0.037 χ^2/NDF : 5289912.8/18

135.906+/-0.022 χ^2/NDF : 6698442.5/42

Left In: 133.740+/-0.027 χ^2/NDF :1389496.5/23

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: -0.003 $\pm$ 4.935 χ^2 /NDF:21.3/25

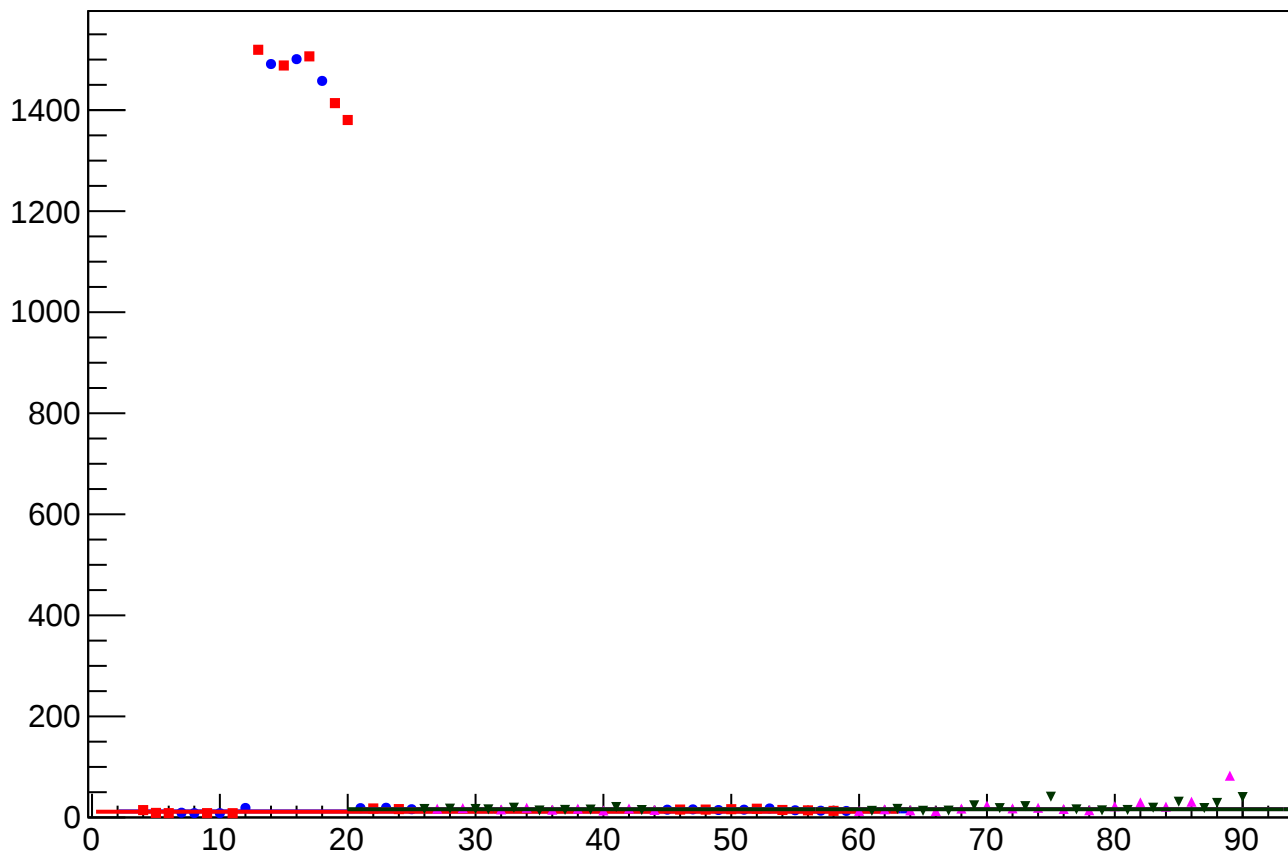
Right Out: 1.782 $\pm$ 4.470 χ^2 /NDF: 10.1/18

Left In: 6.609 $\pm$ 4.939 χ^2 /NDF:24.3/23

0.368 $\pm$ 3.248 χ^2 /NDF: 37.4/43

3.955 $\pm$ 3.314 χ^2 /NDF: 35.0/42

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs slug



Right In: 12.013+/-0.003 χ^2/NDF : 6061463.6/17

Left Out: 16.303+/-0.003 χ^2/NDF : 1274917.5/25

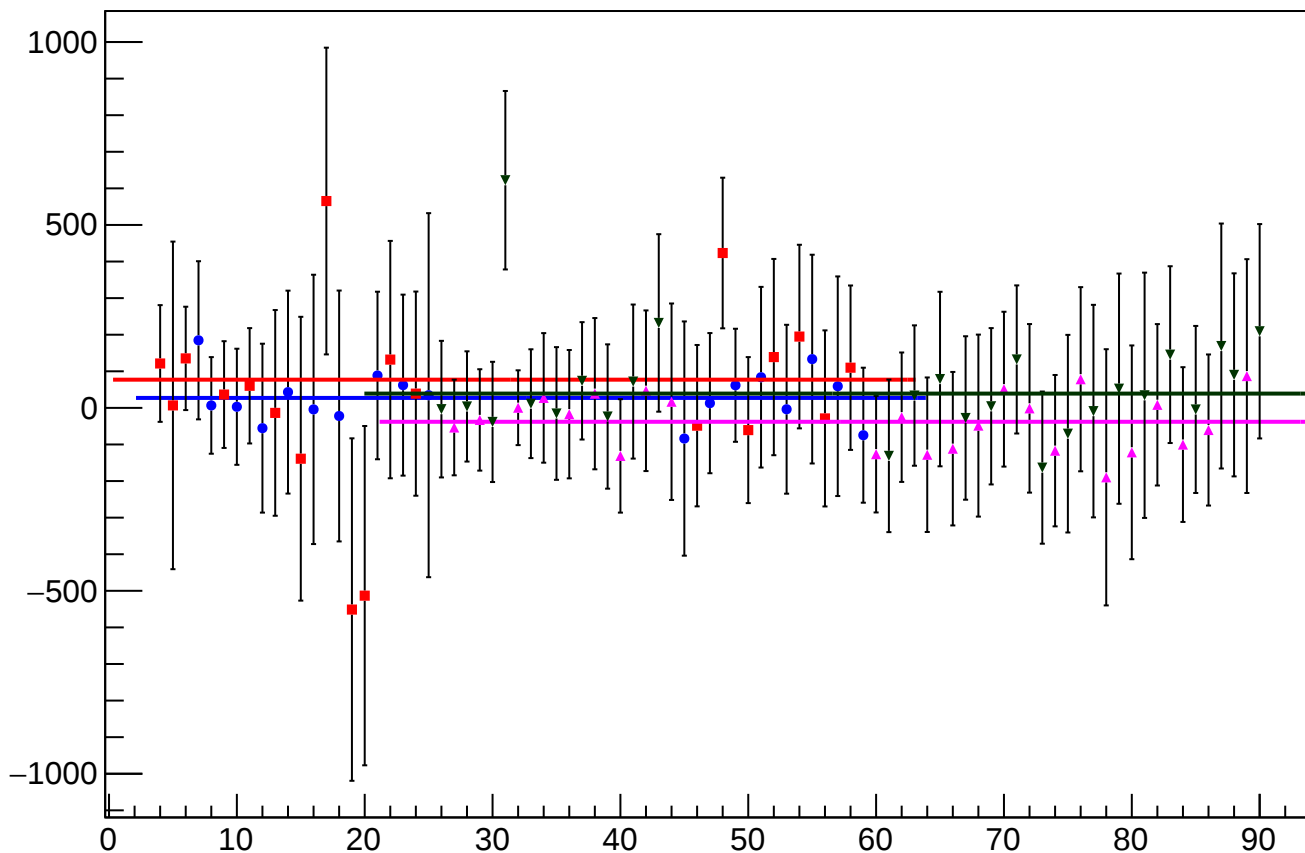
Right Out: 11.361+/-0.003 χ^2/NDF : 6645877.2/18

Left In: 16.586+/-0.003 χ^2/NDF : 1342131.7/23

13.872+/-0.002 χ^2/NDF : 8192921.7/43

13.713+/-0.002 χ^2/NDF : 9218502.9/42

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs slug



Right In: 27.225+/-51.816 χ^2/NDF : 1.5/17

Left Out: 39.076+/-41.594 χ^2/NDF : 9.9/25

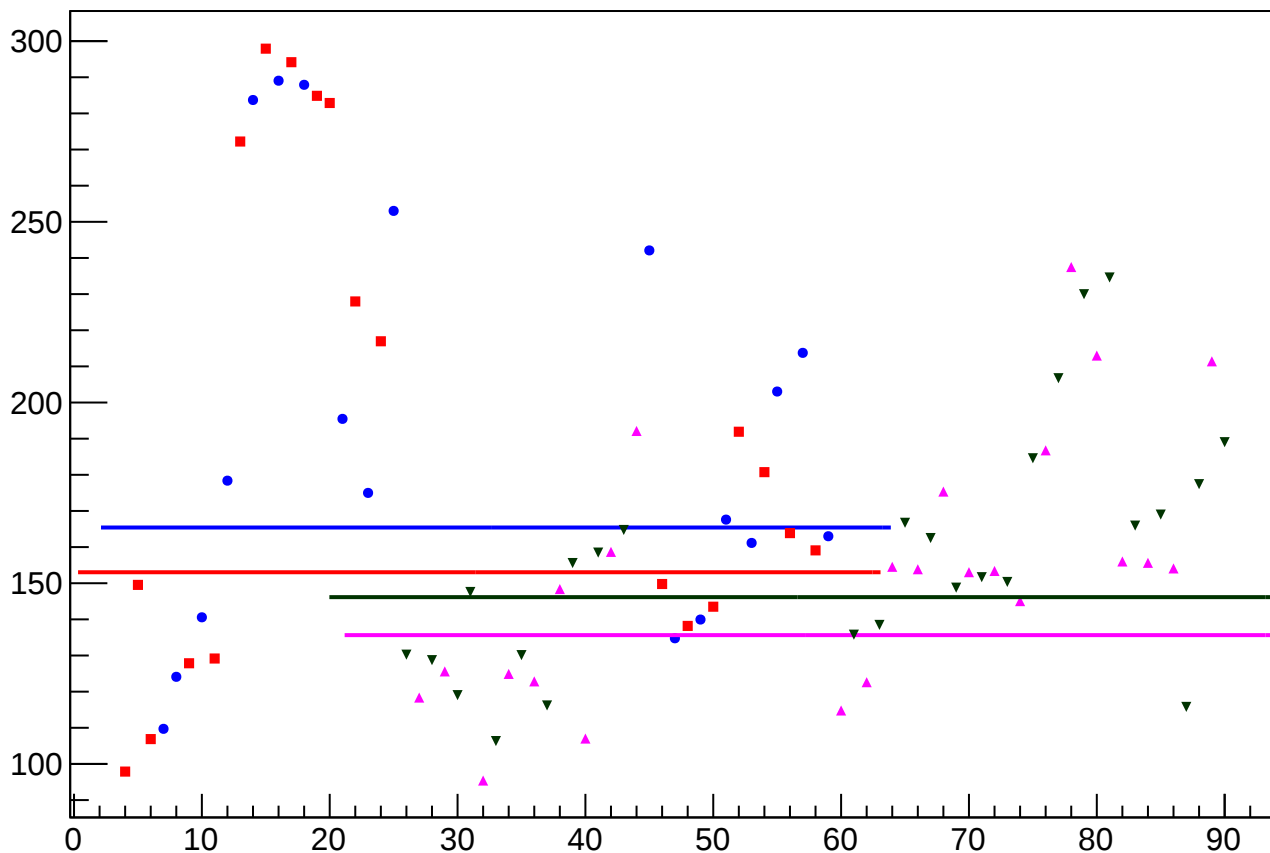
34.432+/-32.436 χ^2/NDF : 11.5/43

Right Out: 77.113+/-51.687 χ^2/NDF : 9.7/18

2.903+/-30.807 χ^2/NDF : 15.7/42

Left In: -37.986+/-38.367 χ^2/NDF : 2.7/23

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: 146.152 ± 0.029 $\chi^2/\text{NDF}: 911128.1/25$

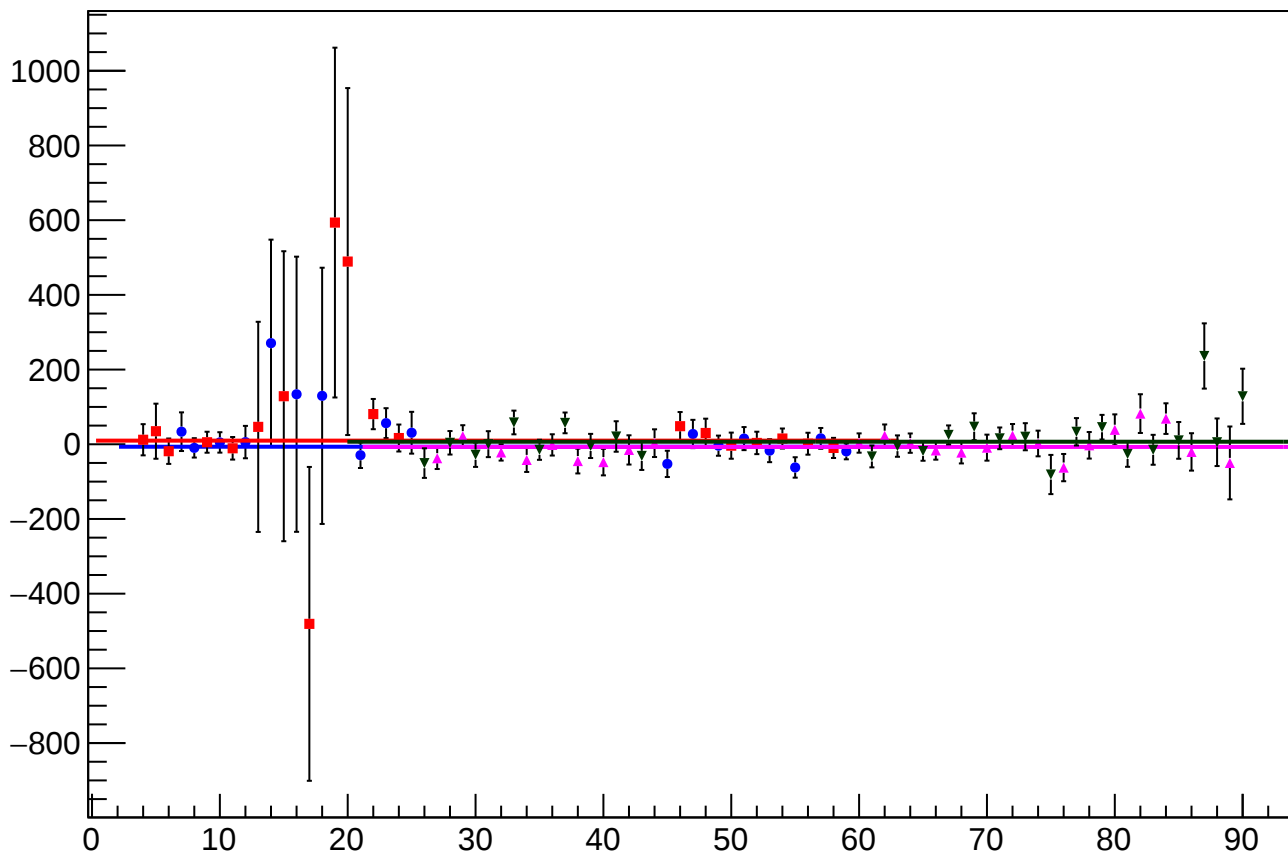
153.702 ± 0.023 $\chi^2/\text{NDF}: 2715702.6/43$

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

141.821 ± 0.022 $\chi^2/\text{NDF}: 3455699.1/42$

Left In: 135.640 ± 0.027 $\chi^2/\text{NDF}: 1271703.9/23$

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs slug



Right In: -6.569 ± 8.065 χ^2/NDF : 13.8/17

Left Out: 6.842 ± 6.750 χ^2/NDF : 31.5/25

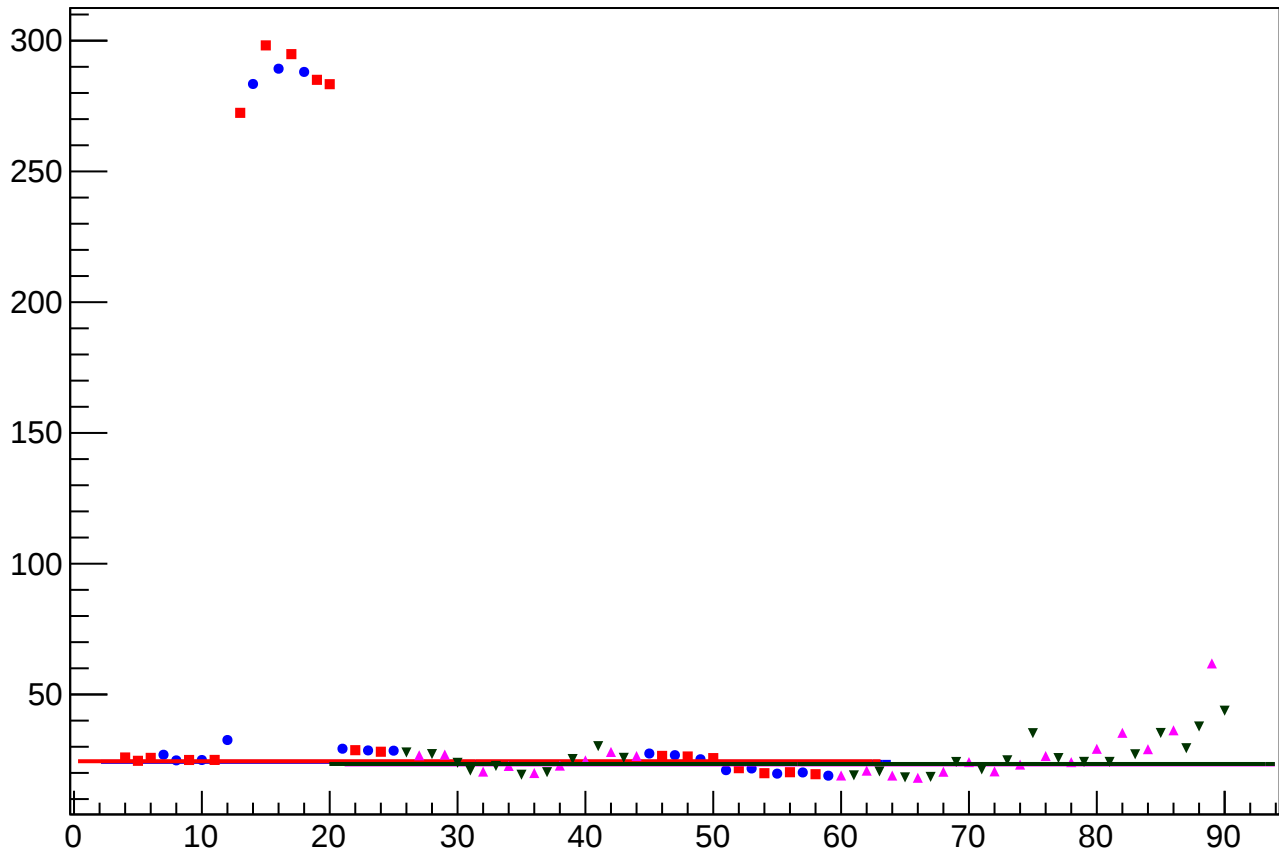
Right Out: 9.755 ± 8.898 χ^2/NDF : 10.7/18

Left In: -7.128 ± 6.606 χ^2/NDF : 19.3/23

1.318 ± 5.176 χ^2/NDF : 47.0/43

-1.129 ± 5.304 χ^2/NDF : 32.3/42

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: 23.418 $\pm$ 0.005 χ^2 /NDF: 946563.4/25

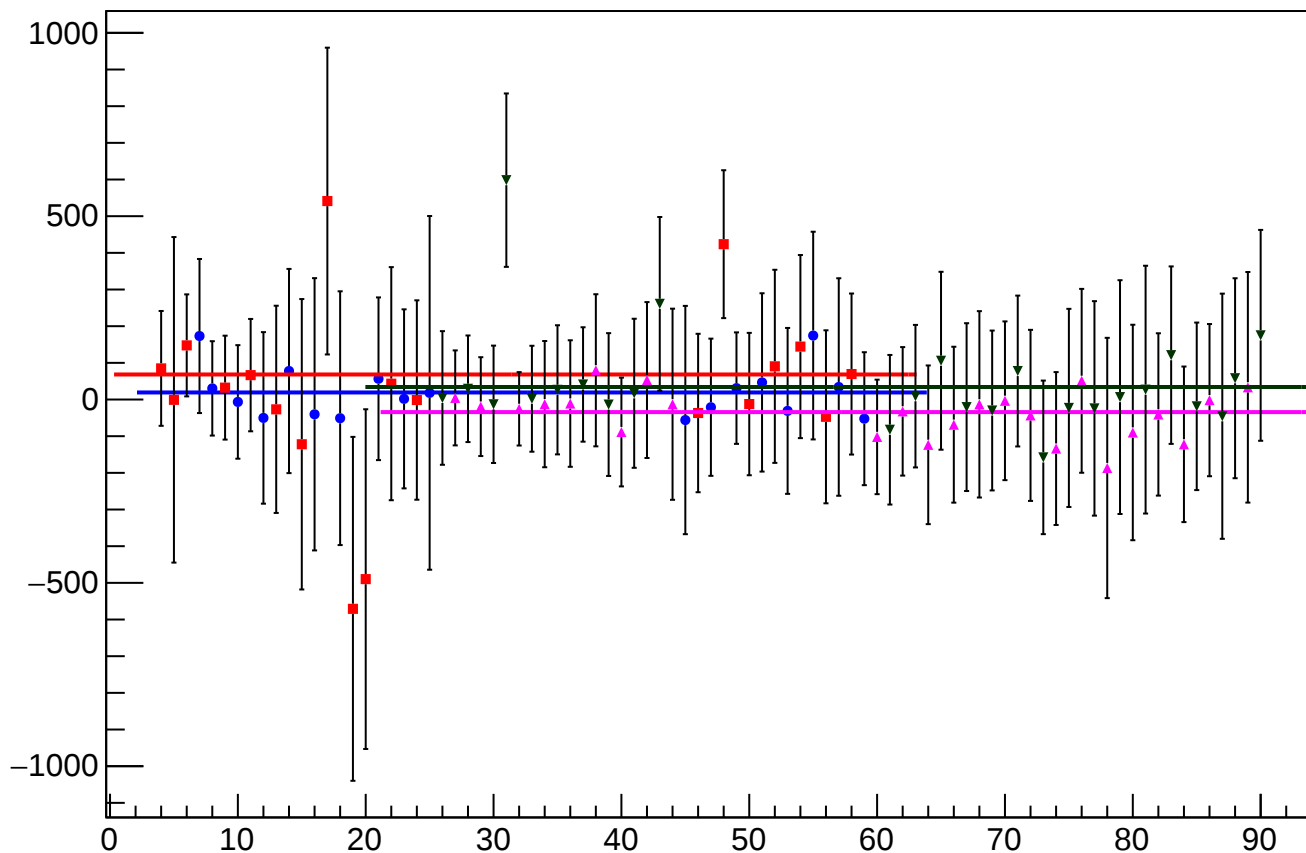
Right Out: 24.466 $\pm$ 0.006 χ^2 /NDF: 4859985.2/18

Left In: 23.222 $\pm$ 0.005 χ^2 /NDF: 1066278.0/23

23.750 $\pm$ 0.004 χ^2 /NDF: 5371412.6/43

23.664 $\pm$ 0.004 χ^2 /NDF: 5951444.1/42

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: 34.129+/-41.071 χ^2/NDF : 8.9/25

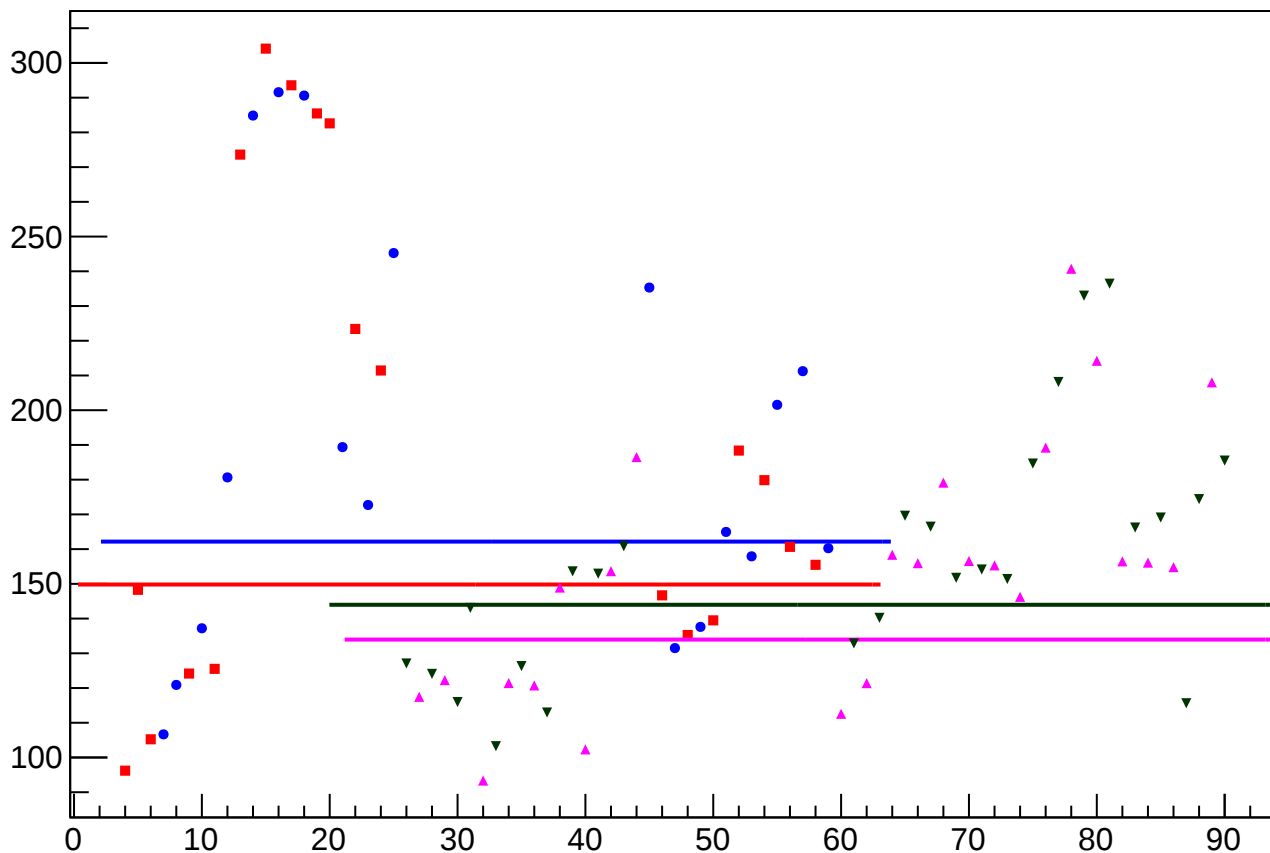
Right Out: 68.308+/-50.710 χ^2/NDF : 9.3/18

Left In: -34.304+/-37.959 χ^2/NDF : 2.0/23

28.269+/-31.966 χ^2/NDF : 10.4/43

2.544+/-30.388 χ^2/NDF : 13.9/42

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs slug



Right In: 162.166 ± 0.036 χ^2/NDF : 1720612.8/17

Left Out: 143.972 ± 0.029 χ^2/NDF : 1020585.6/25

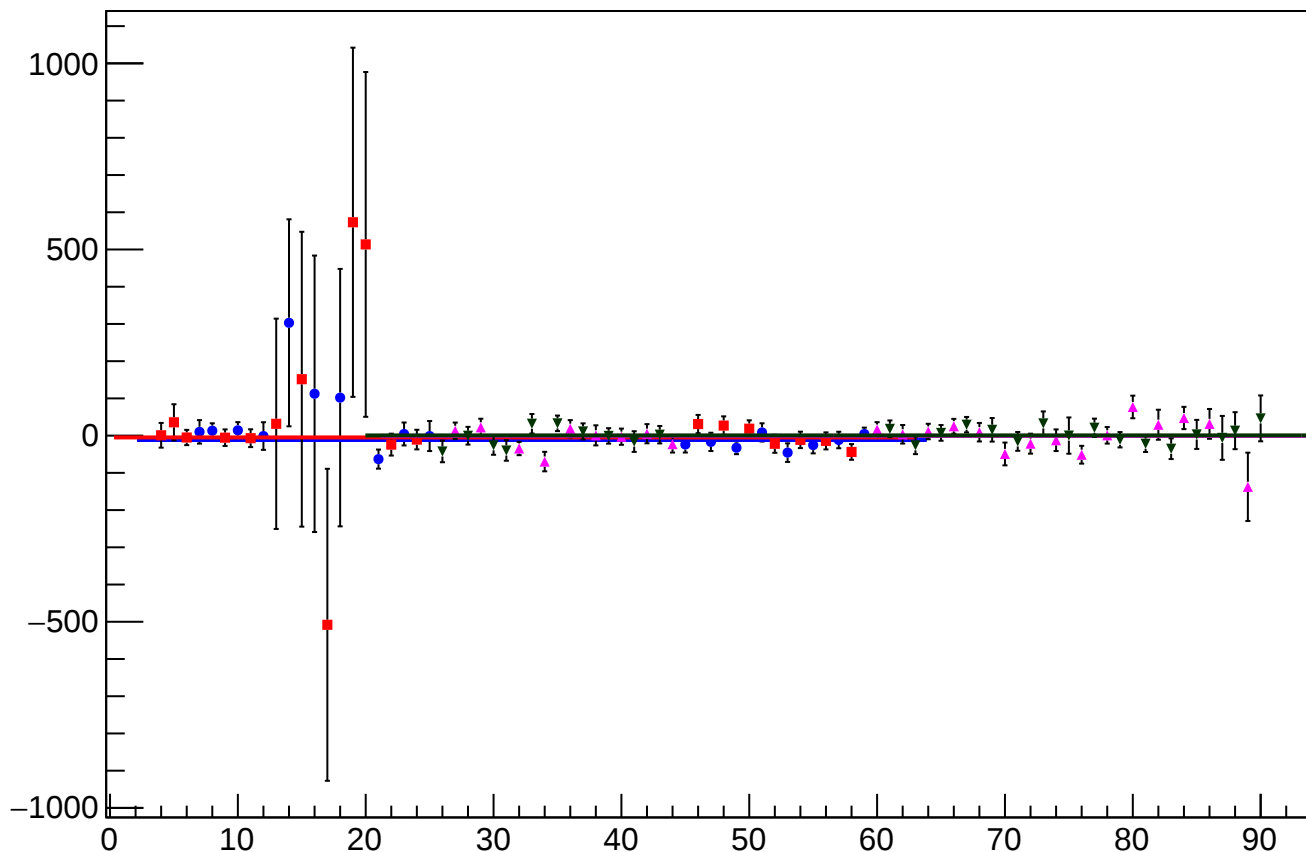
151.144 ± 0.023 χ^2/NDF : 2895927.5/43

Right Out: 149.803 ± 0.036 χ^2/NDF : 2114602.4/18

139.647 ± 0.021 χ^2/NDF : 3643091.6/42

Left In: 133.956 ± 0.027 χ^2/NDF : 1403302.2/23

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs slug



Right In: -11.713 $\pm$ 6.036 χ^2 /NDF: 15.0/17

Left Out: 0.551 $\pm$ 5.107 χ^2 /NDF: 19.8/25

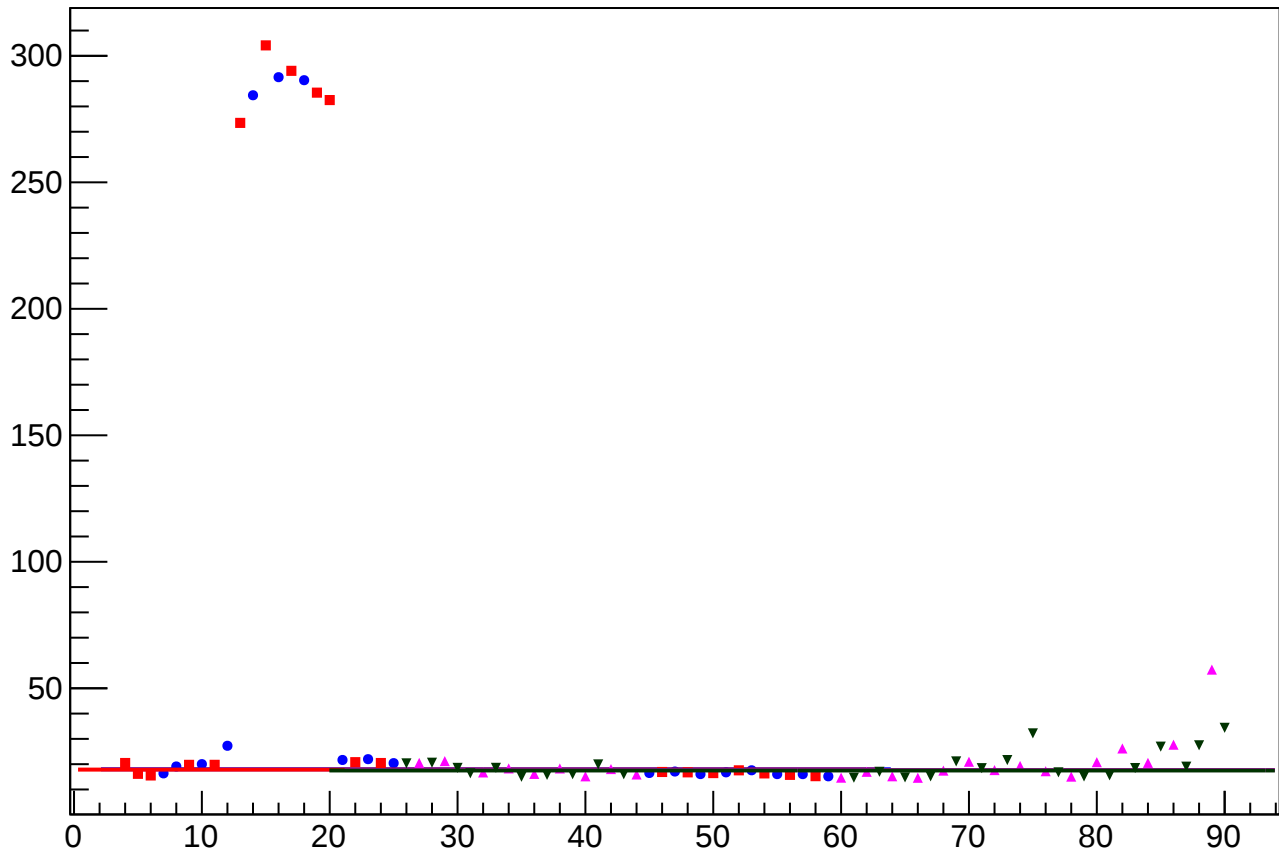
Right Out: -4.846 $\pm$ 6.550 χ^2 /NDF: 14.7/18

Left In: -0.659 $\pm$ 5.073 χ^2 /NDF: 36.8/23

-4.566 $\pm$ 3.899 χ^2 /NDF: 37.2/43

-2.229 $\pm$ 4.011 χ^2 /NDF: 51.7/42

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs slug



Right In: 17.988 $\pm$ 0.004 χ^2 /NDF: 4525208.5/17

Left Out: 17.522 $\pm$ 0.004 χ^2 /NDF: 864992.5/25

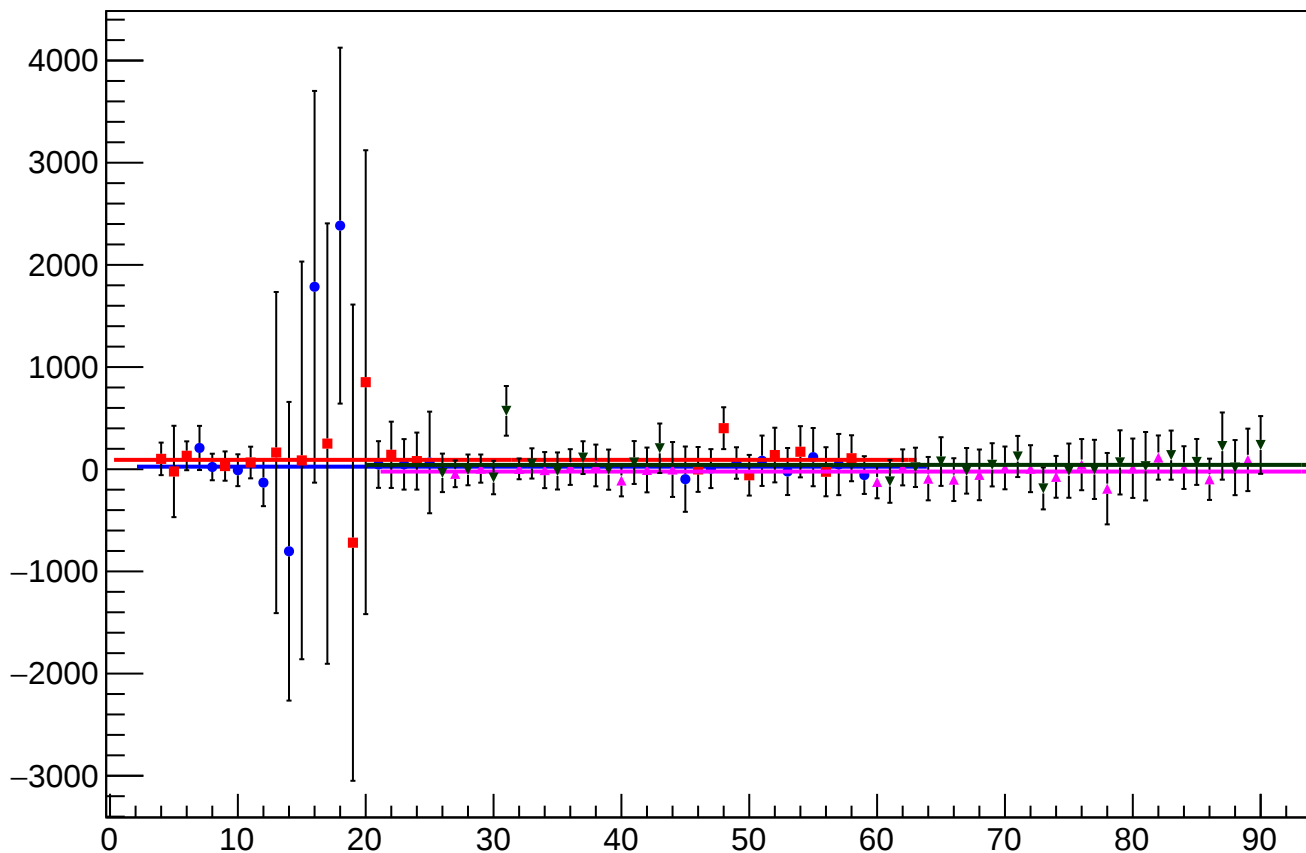
Right Out: 17.855 $\pm$ 0.005 χ^2 /NDF: 5034119.1/18

Left In: 17.679 $\pm$ 0.004 χ^2 /NDF: 942093.0/23

17.717 $\pm$ 0.003 χ^2 /NDF: 5397130.2/43

17.745 $\pm$ 0.003 χ^2 /NDF: 5977110.6/42

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: 42.668+/-41.404 χ^2/NDF : 9.6/25

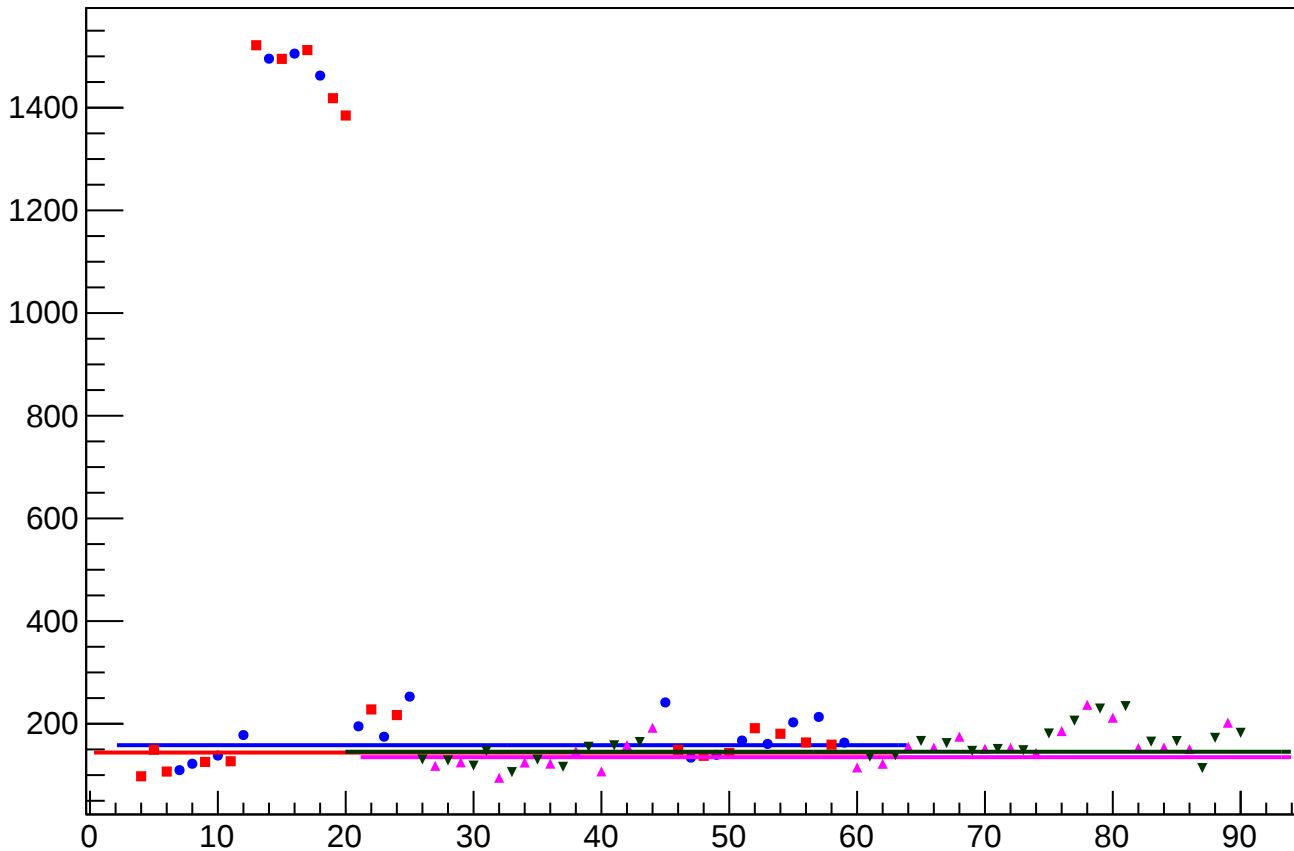
Right Out: 91.771+/-53.823 χ^2/NDF : 4.0/18

Left In: -22.816+/-38.157 χ^2/NDF : 2.5/23

36.099+/-32.753 χ^2/NDF : 14.5/43

15.511+/-31.128 χ^2/NDF : 9.5/42

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: 145.498+/-0.029 χ^2/NDF :888953.7/25

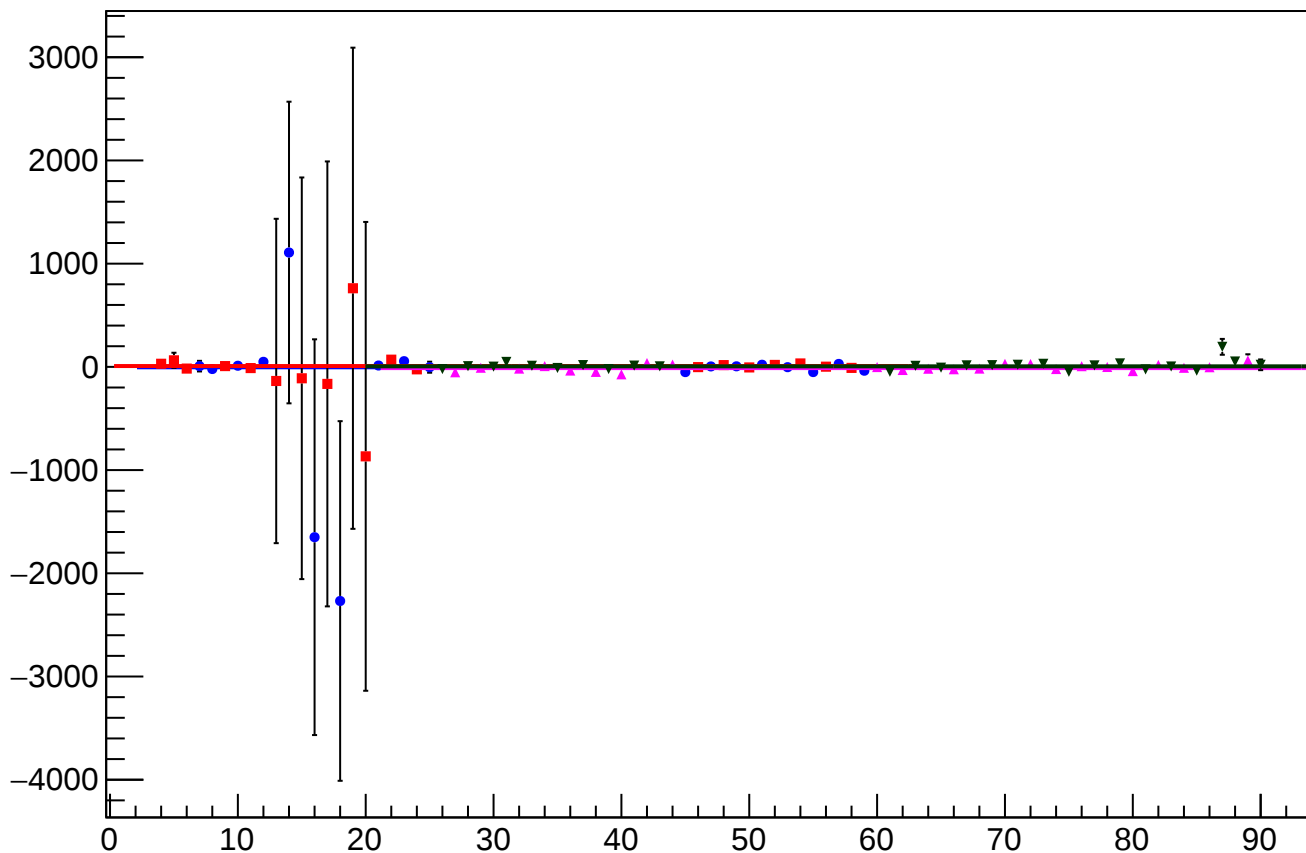
150.280+/-0.023 χ^2/NDF : 5499233.5/43

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

137.959+/-0.022 χ^2/NDF : 6550415.9/42

Left In: 134.953+/-0.027 χ^2/NDF :1245328.7/23

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: 5.160+/-6.239 χ^2/NDF : 20.6/25

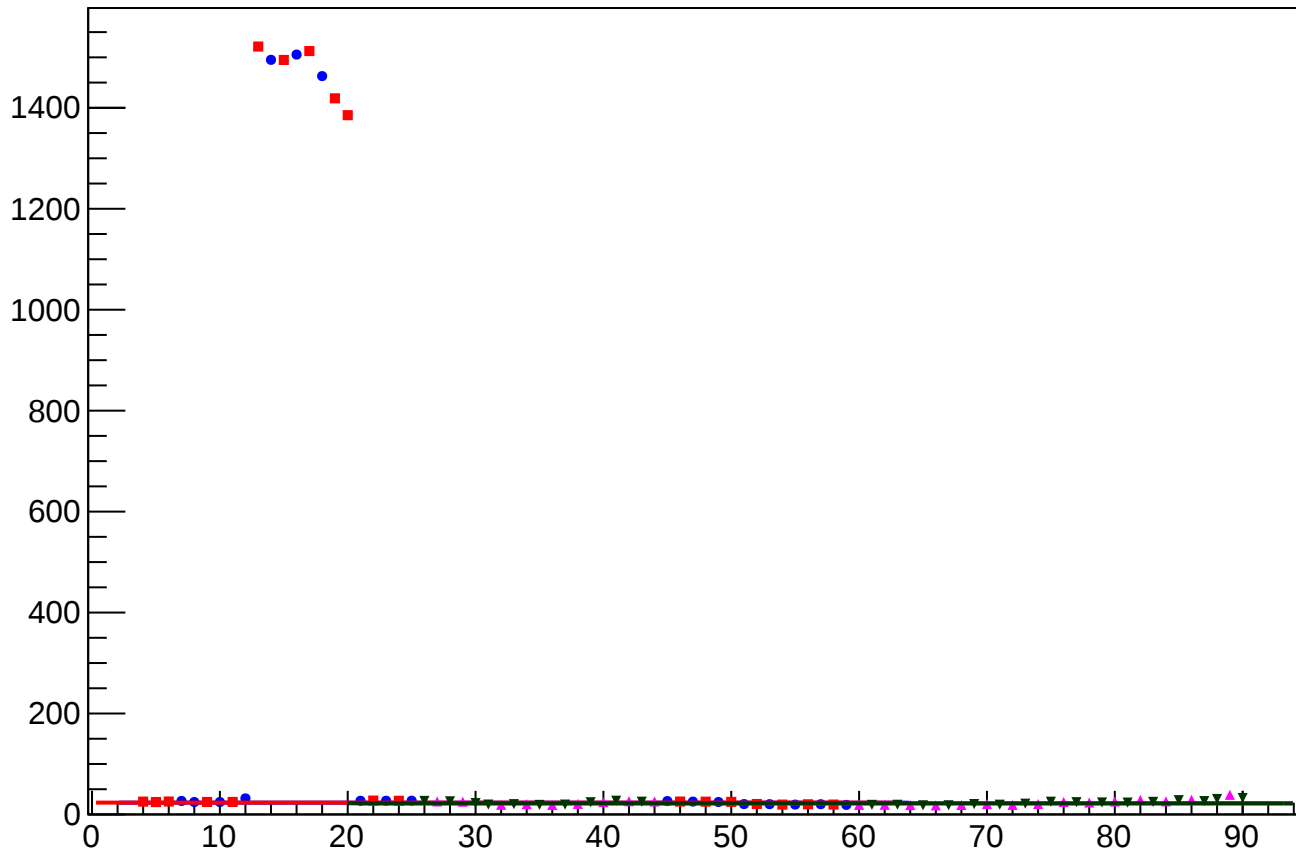
Right Out: 7.973+/-8.718 χ^2/NDF : 7.3/18

Left In: -11.891+/-6.094 χ^2/NDF : 18.8/23

1.601+/-4.890 χ^2/NDF : 39.0/43

-5.371+/-4.995 χ^2/NDF : 29.6/42

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: 22.054+/-0.004 χ^2/NDF : 614544.5/25

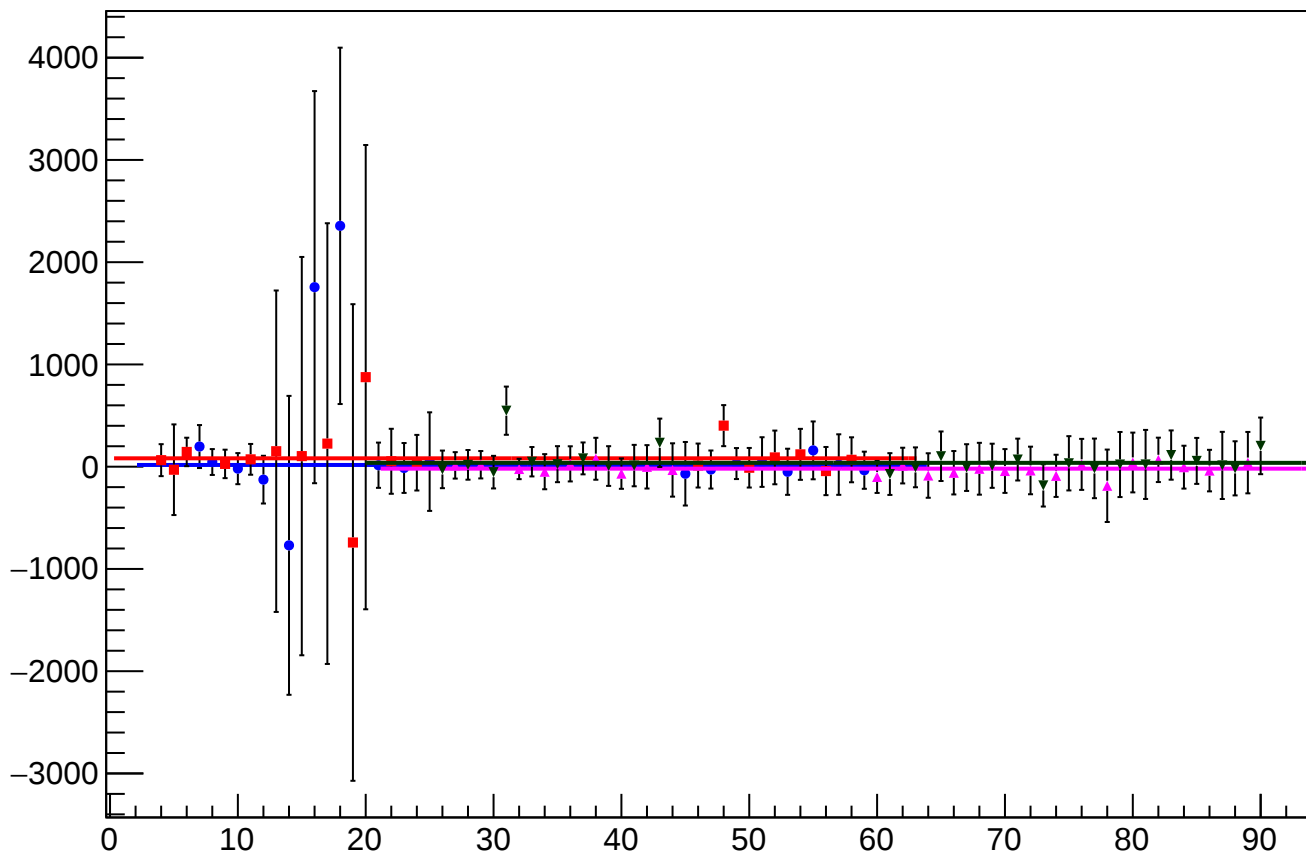
22.548+/-0.003 χ^2/NDF : 5612365.4/43

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

22.356+/-0.004 χ^2/NDF : 6342906.5/42

Left In: 21.824+/-0.004 χ^2/NDF : 734883.9/23

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs slug



Right In: 16.936+/-52.488 χ^2/NDF : 4.7/17

29.810+/-32.252 χ^2/NDF : 13.0/43

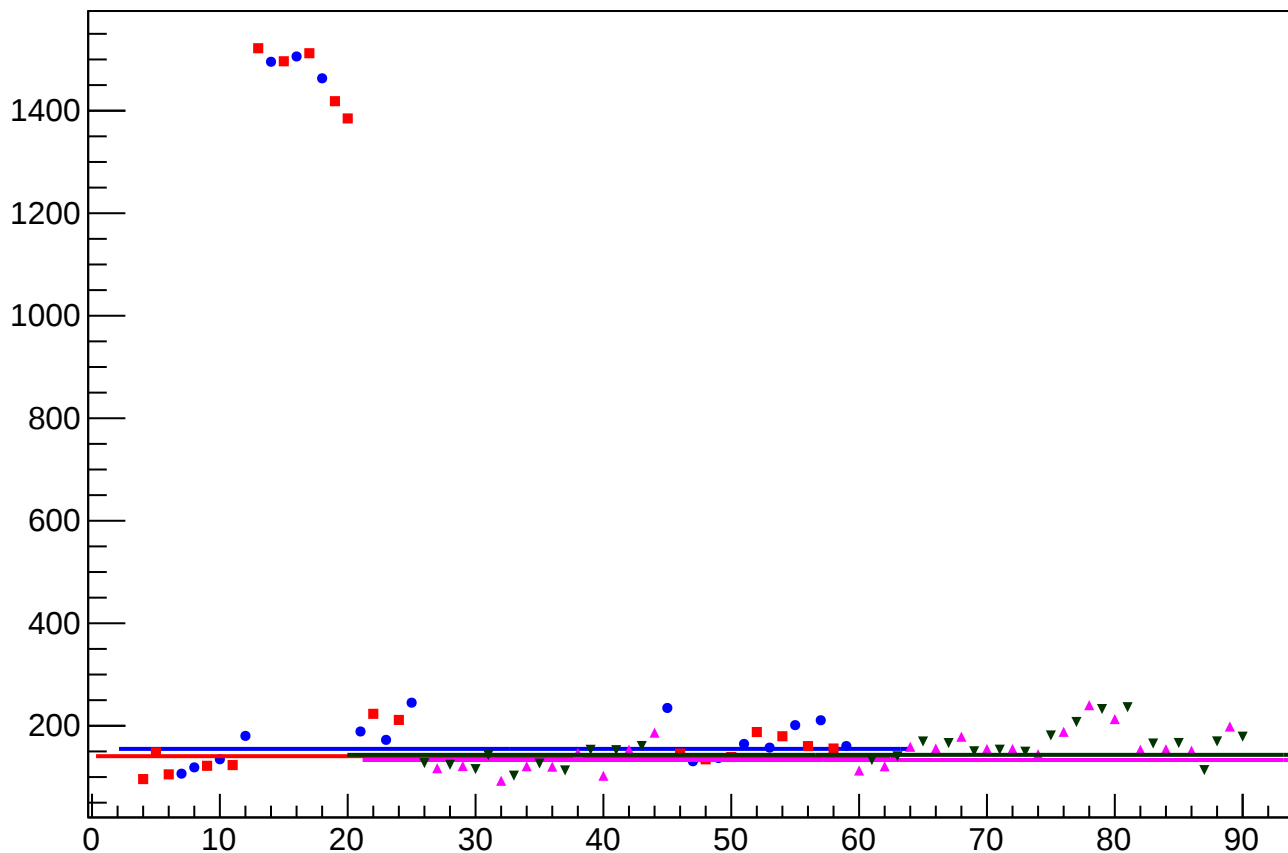
Left Out: 37.619+/-40.881 χ^2/NDF : 8.2/25

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

15.024+/-30.682 χ^2/NDF : 8.0/42

Left In: -19.339+/-37.750 χ^2/NDF : 1.7/23

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: 143.323 $\pm$ 0.029 χ^2 /NDF: 996931.6/25

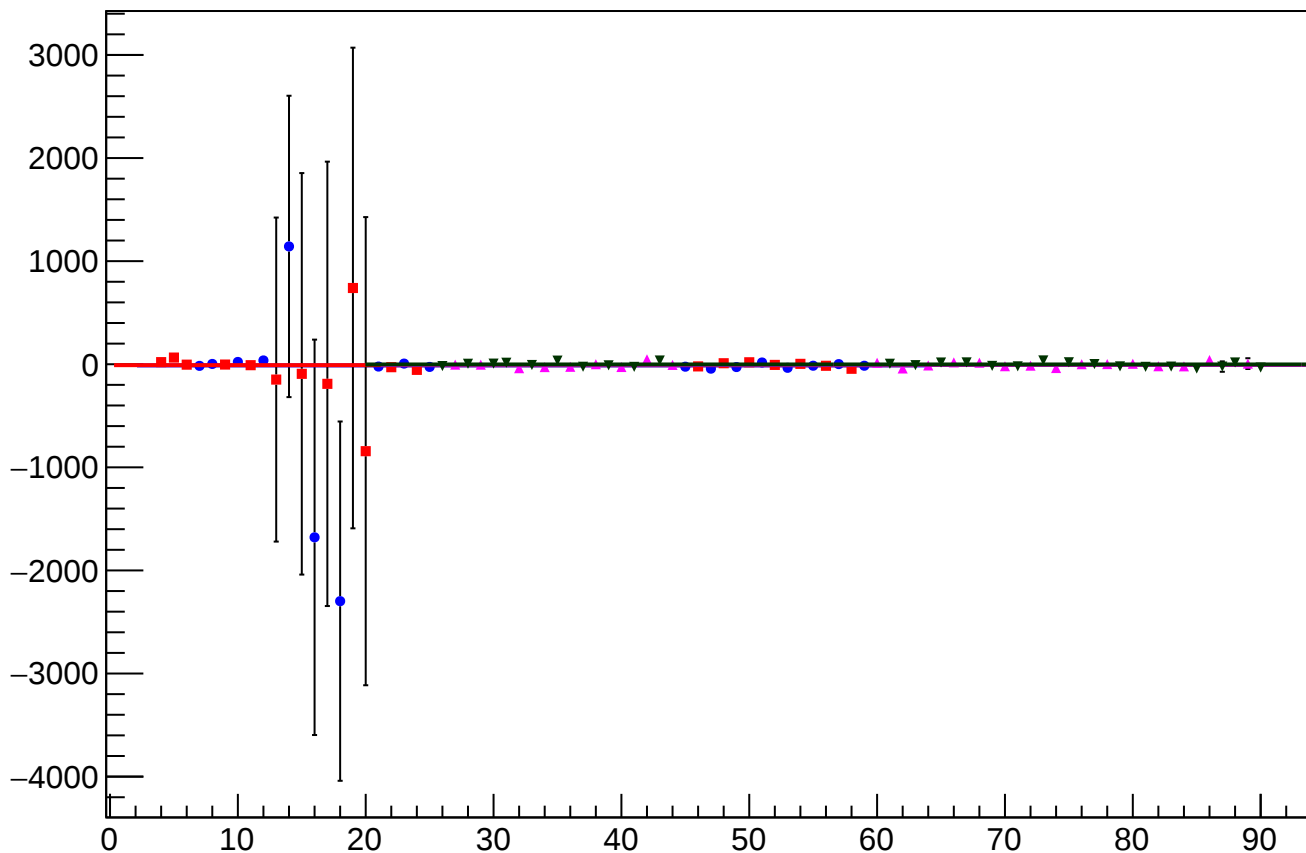
Right Out: 140.710 $\pm$ 0.037 χ^2 /NDF: 5291988.7/18

Left In: 133.279 $\pm$ 0.027 χ^2 /NDF: 1375636.6/23

147.712 $\pm$ 0.023 χ^2 /NDF: 5638578.8/43

135.801 $\pm$ 0.022 χ^2 /NDF: 6693928.0/42

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: -2.269 $\pm$ 4.639 χ^2 /NDF: 21.2/25

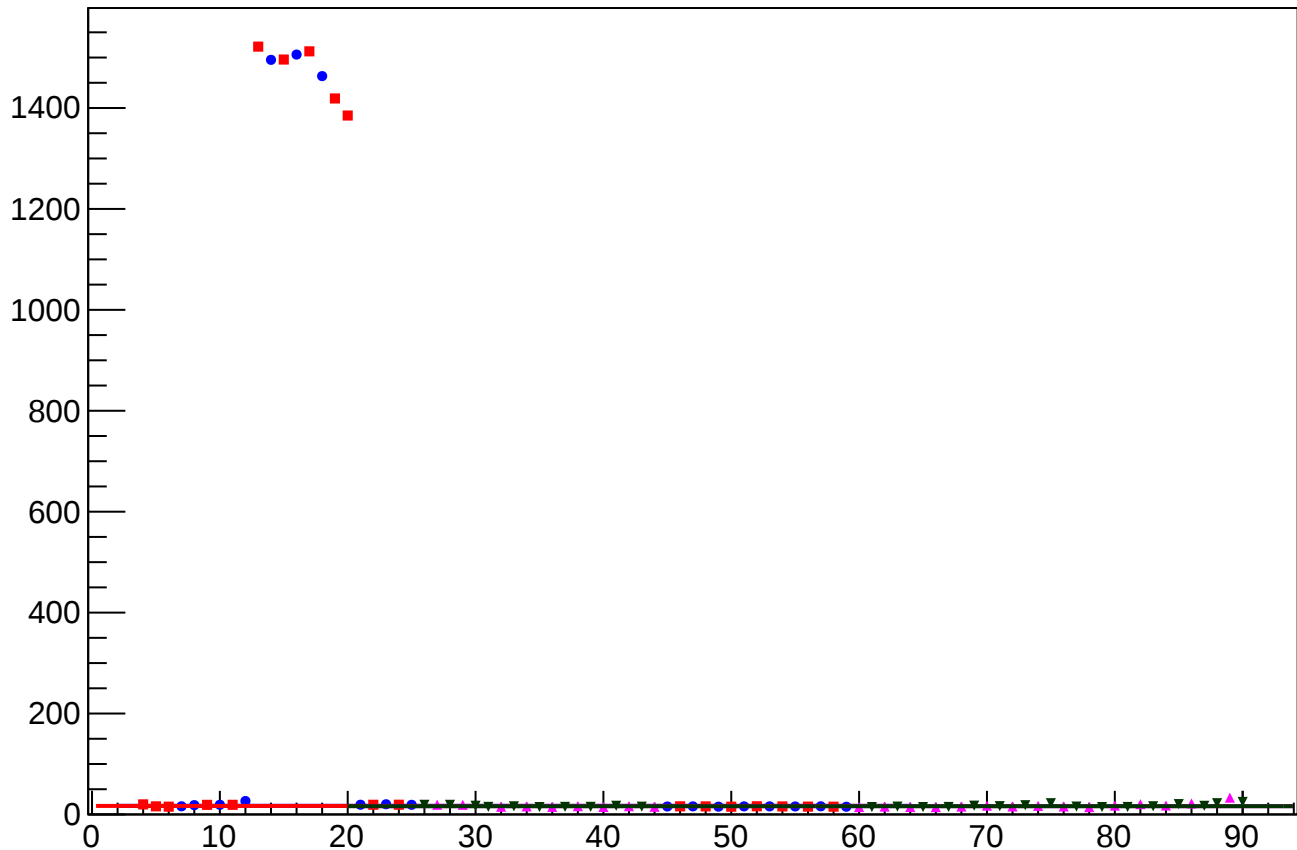
Right Out: -8.864 $\pm$ 6.293 χ^2 /NDF: 13.3/18

Left In: -7.477 $\pm$ 4.588 χ^2 /NDF: 23.4/23

-5.825 $\pm$ 3.616 χ^2 /NDF: 37.7/43

-7.958 $\pm$ 3.707 χ^2 /NDF: 36.8/42

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: 16.366+/-0.003 χ^2/NDF : 424555.1/25

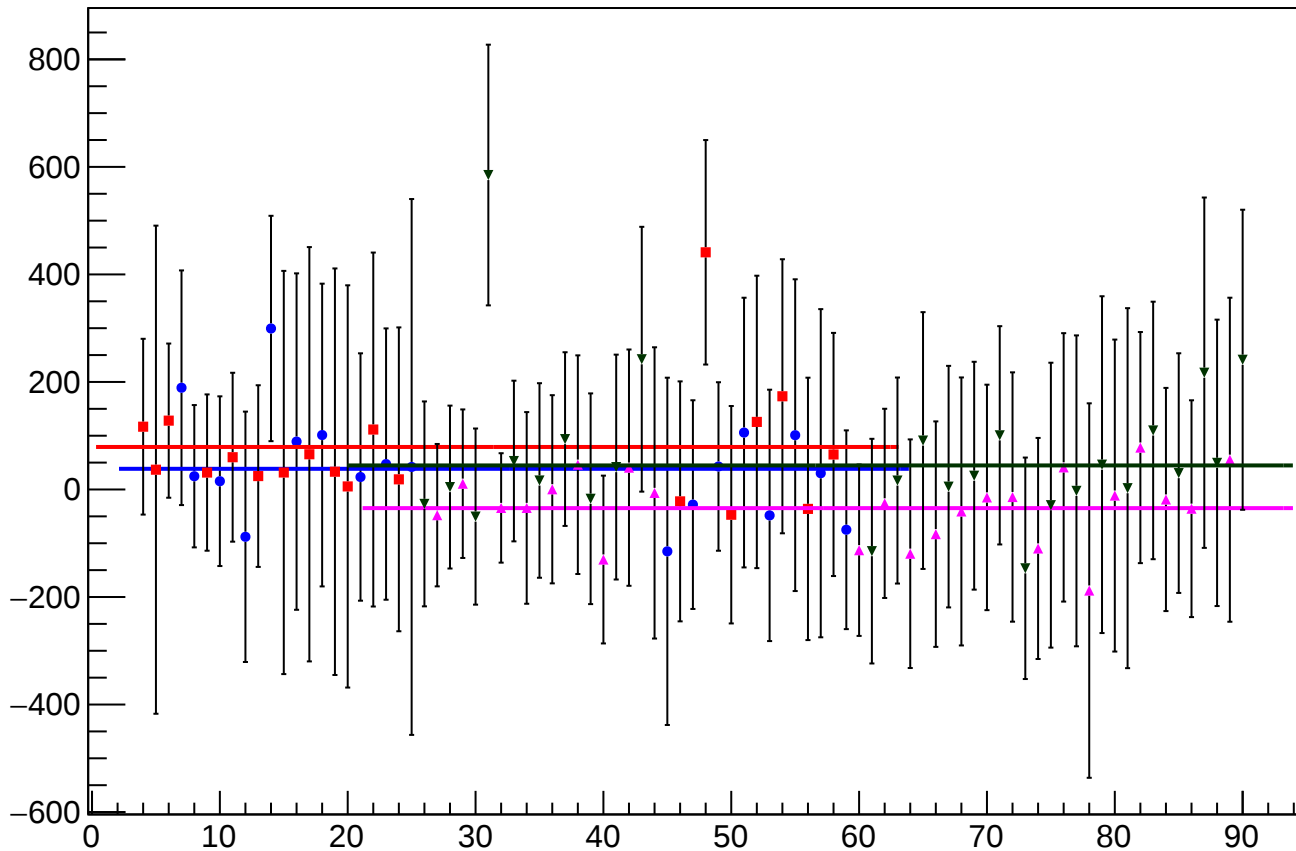
Right Out: 16.920+/-0.004 χ^2/NDF : 5539958.1/18

Left In: 16.437+/-0.003 χ^2/NDF : 499107.0/23

16.652+/-0.003 χ^2/NDF : 5365909.8/43

16.604+/-0.003 χ^2/NDF : 6046748.1/42

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: 44.737+/-41.475 χ^2/NDF : 9.0/25

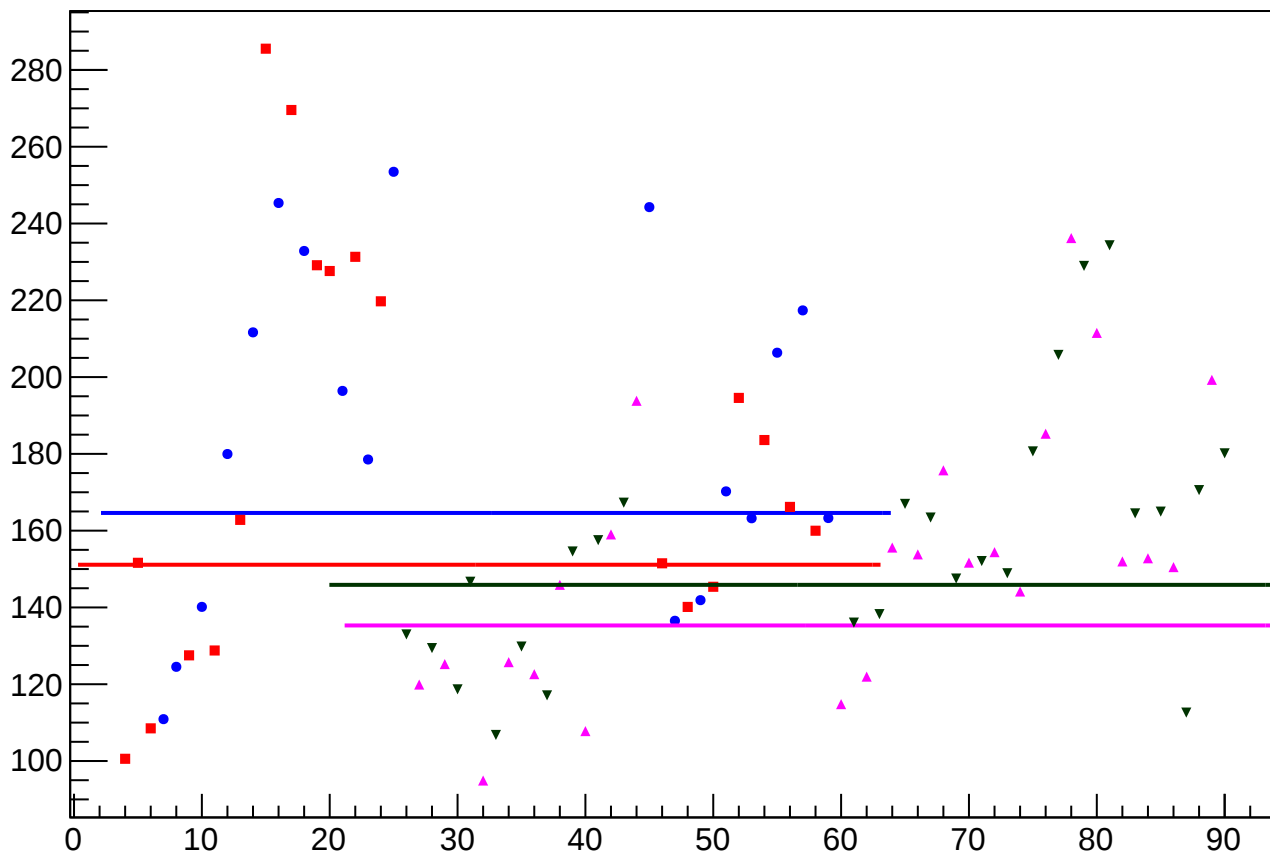
Right Out: 79.078+/-50.233 χ^2/NDF : 4.5/18

Left In: -34.680+/-38.237 χ^2/NDF : 2.1/23

42.237+/-32.188 χ^2/NDF : 12.4/43

7.051+/-30.425 χ^2/NDF : 9.9/42

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: 145.883 $\pm$ 0.029 χ^2 /NDF: 862754.8/25

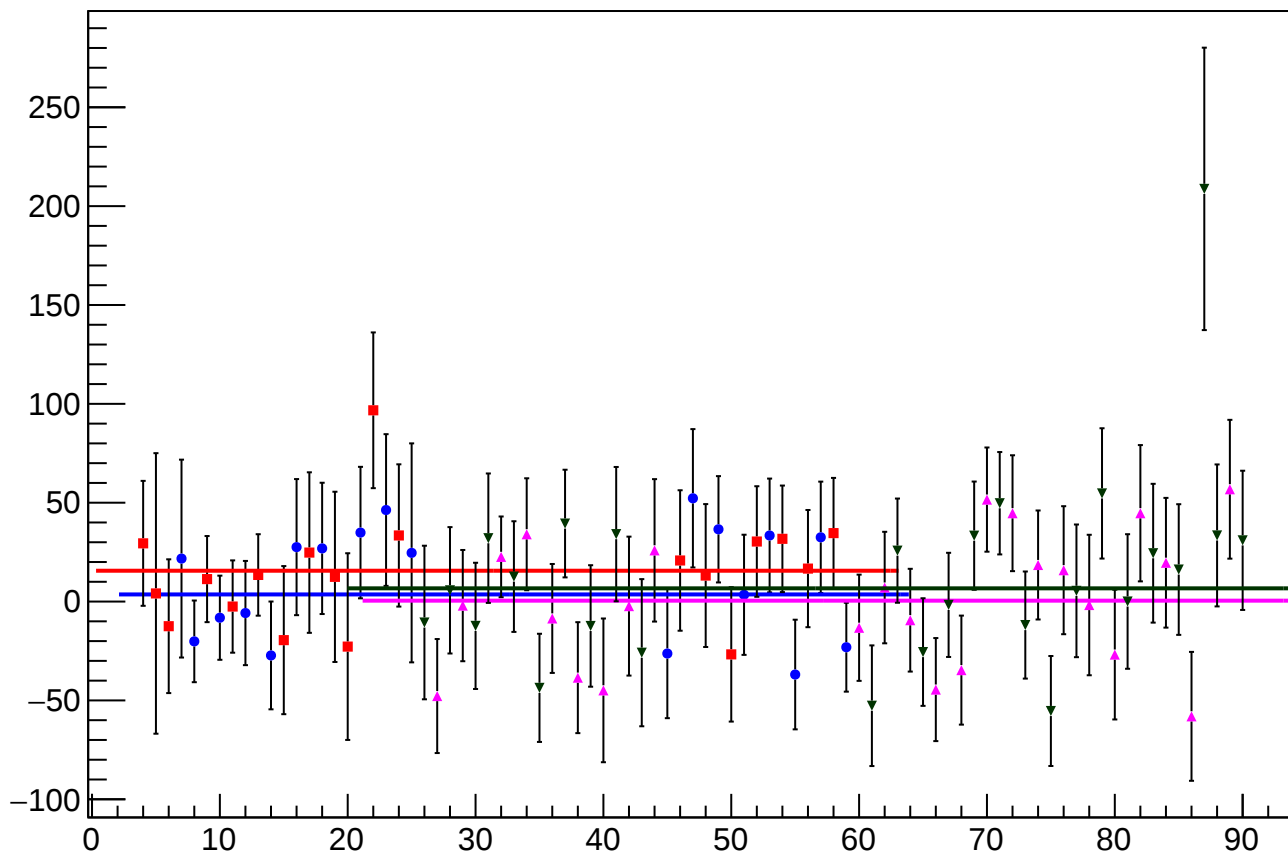
Right Out: 151.124 $\pm$ 0.036 χ^2 /NDF: 1423423.3/18

Left In: 135.307 $\pm$ 0.027 χ^2 /NDF: 1227313.4/23

153.332 $\pm$ 0.023 χ^2 /NDF: 2153509.4/43

141.110 $\pm$ 0.022 χ^2 /NDF: 2776271.8/42

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: 6.689 ± 6.071 $\chi^2/\text{NDF}: 34.3/25$

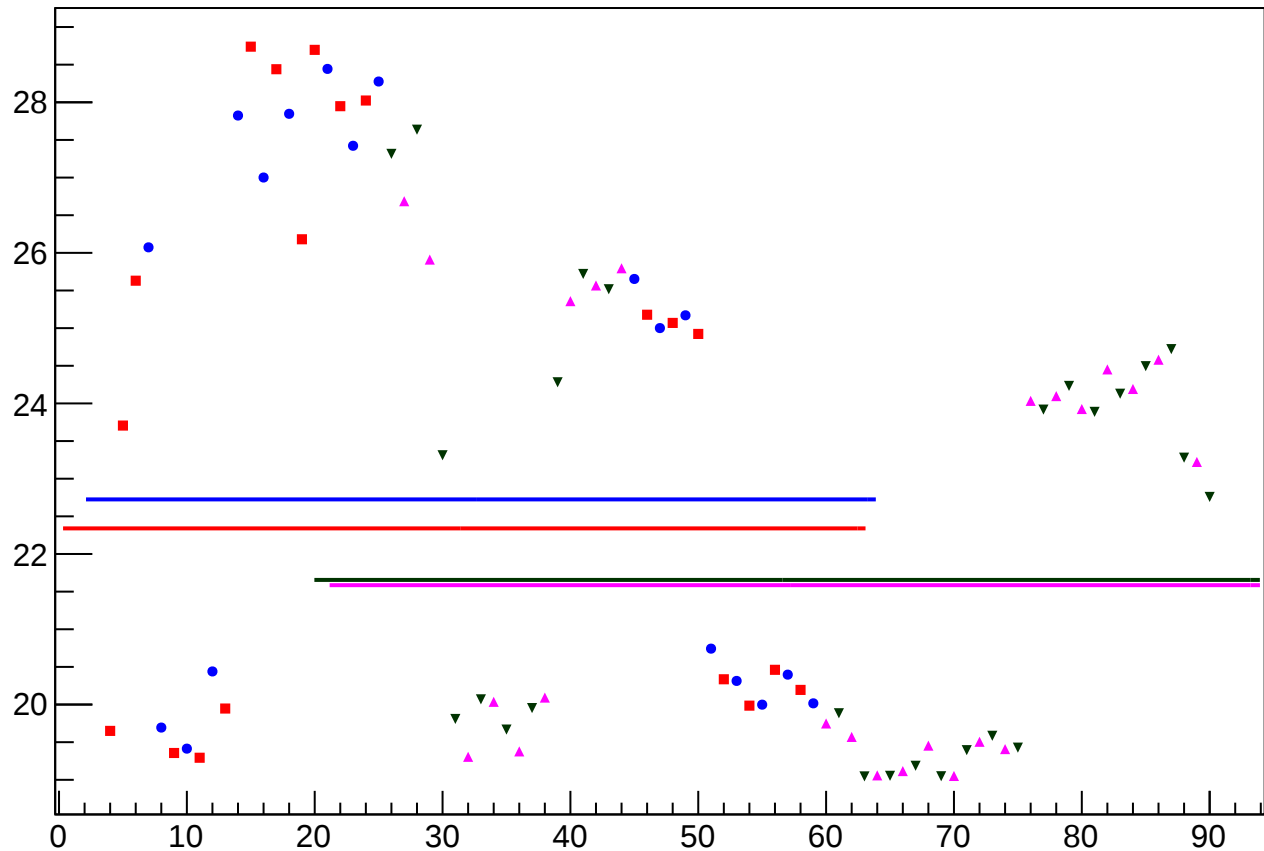
Right Out: 15.596 ± 7.143 $\chi^2/\text{NDF}: 10.3/18$

Left In: 0.456 ± 5.969 $\chi^2/\text{NDF}: 29.7/23$

5.331 ± 4.541 $\chi^2/\text{NDF}: 50.8/43$

6.682 ± 4.580 $\chi^2/\text{NDF}: 42.7/42$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs slug



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

Left Out: 21.655 $\pm$ 0.004 χ^2 /NDF: 398331.5/25

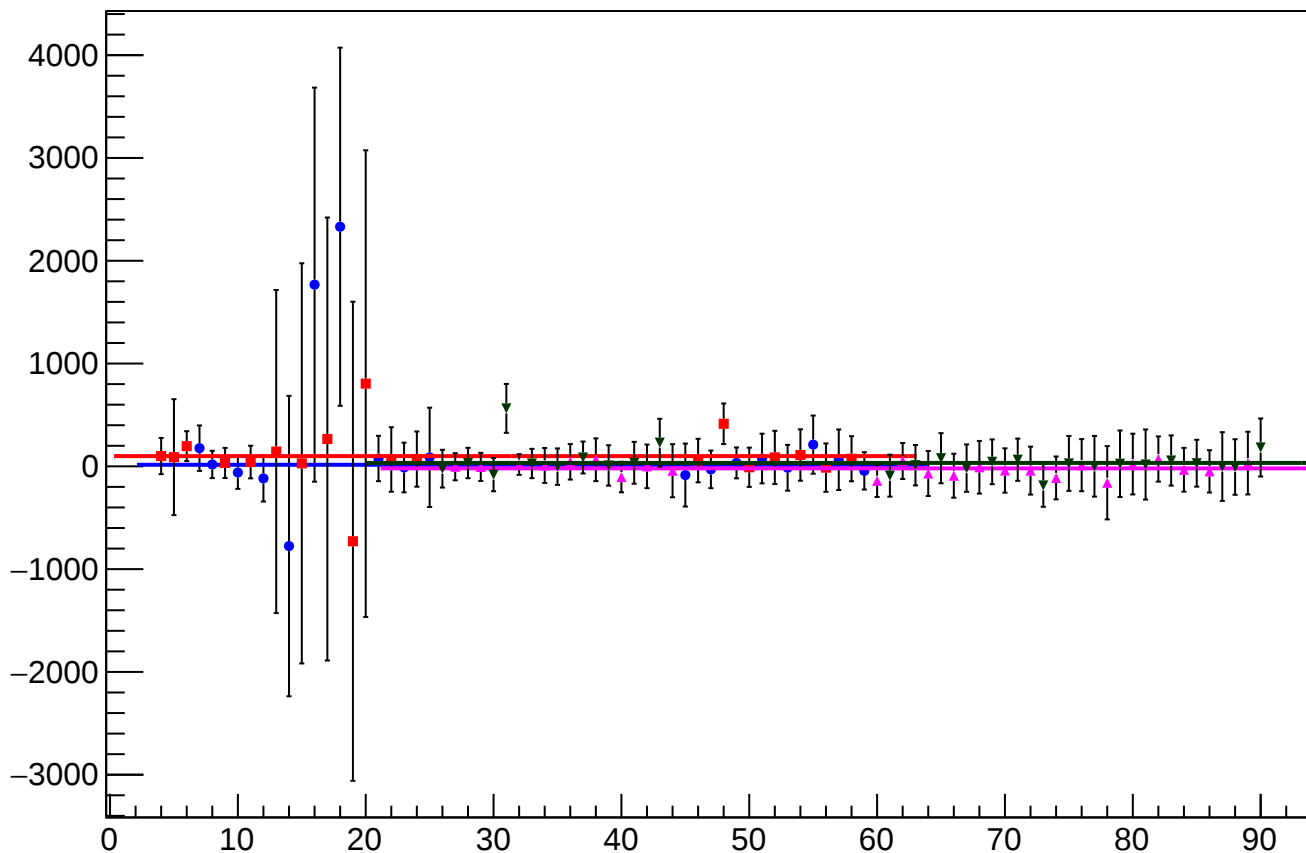
22.127 $\pm$ 0.003 χ^2 /NDF: 924450.5/43

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

21.896 $\pm$ 0.003 χ^2 /NDF: 895681.8/42

Left In: 21.586 $\pm$ 0.004 χ^2 /NDF: 422542.3/23

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: 33.331+/-41.137 χ^2/NDF : 8.4/25

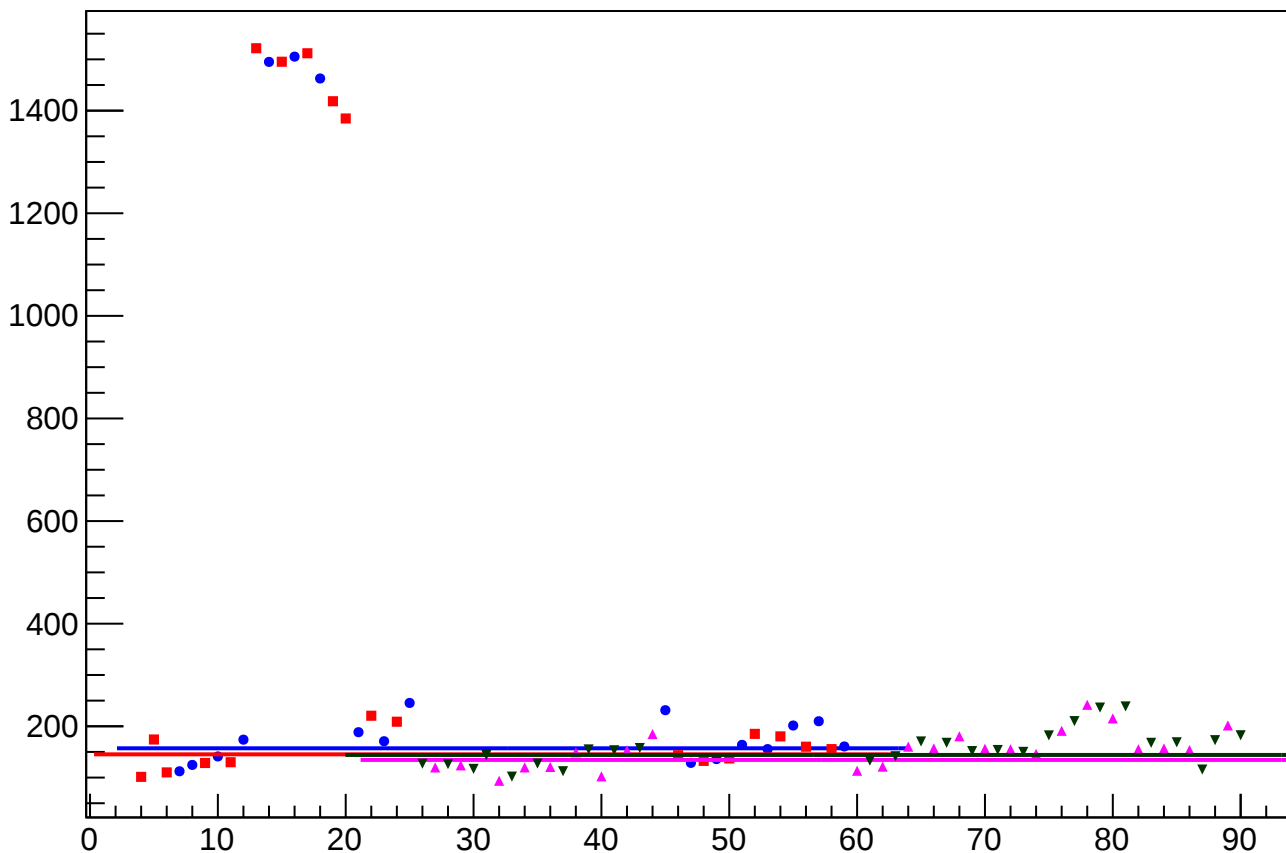
Right Out: 99.514+/-54.286 χ^2/NDF : 4.2/18

Left In: -19.641+/-38.073 χ^2/NDF : 2.4/23

26.516+/-32.501 χ^2/NDF : 13.5/43

19.645+/-31.171 χ^2/NDF : 9.8/42

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs slug



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

Left Out: 144.125+/-0.029 χ^2/NDF : 1029819.9/25

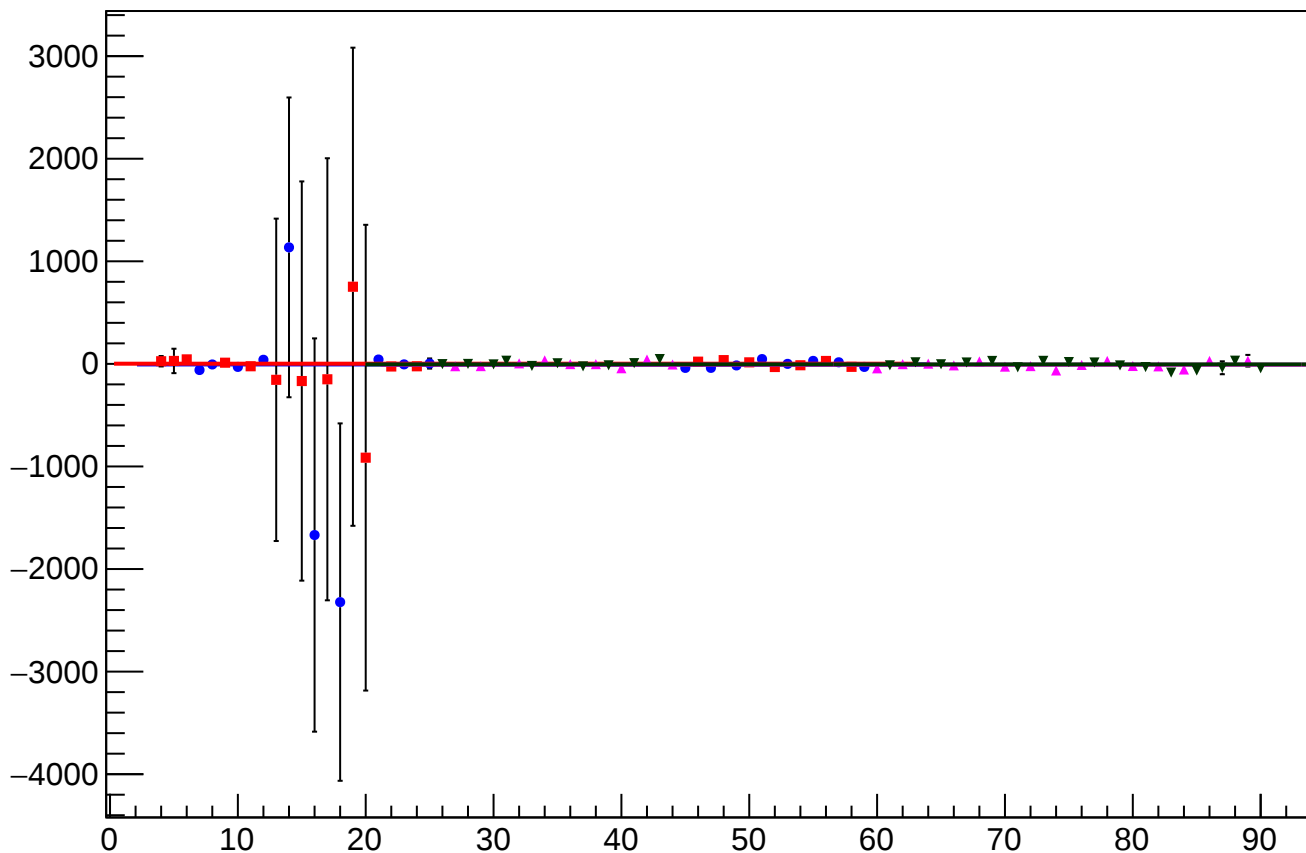
148.996+/-0.023 χ^2/NDF : 5561242.0/43

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

138.015+/-0.022 χ^2/NDF : 6555024.4/42

Left In: 134.432+/-0.027 χ^2/NDF : 1377159.8/23

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs slug



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

Left Out: -5.131+/-5.977 χ^2/NDF : 23.5/25

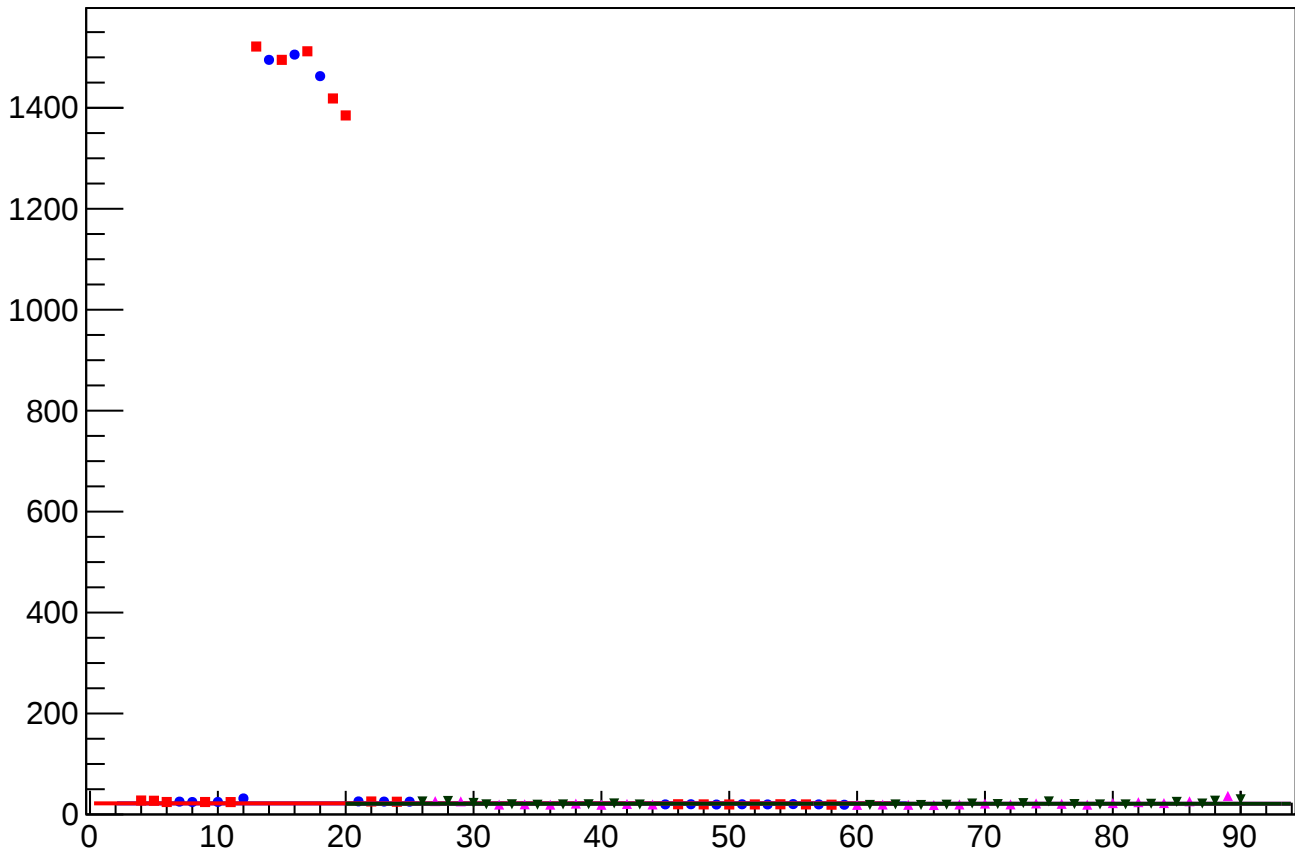
Right Out: 1.722+/-8.261 χ^2/NDF : 10.4/18

Left In: -8.187+/-5.881 χ^2/NDF : 20.9/23

-5.341+/-4.647 χ^2/NDF : 42.3/43

-4.854+/-4.791 χ^2/NDF : 32.2/42

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: 21.217 $\pm$ 0.004 χ^2 /NDF: 347674.2/25

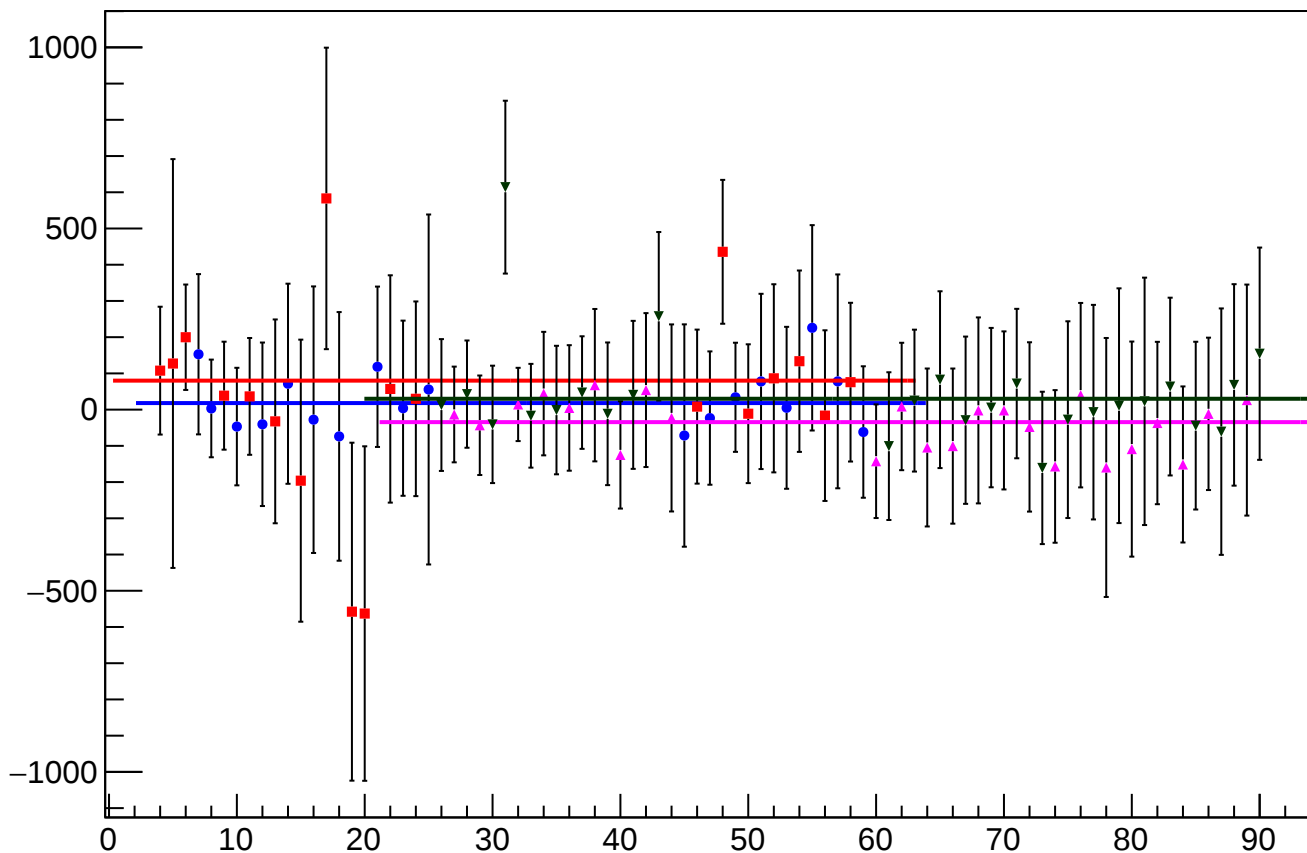
Right Out: 21.987 $\pm$ 0.006 χ^2 /NDF: 5559967.3/18

Left In: 21.185 $\pm$ 0.004 χ^2 /NDF: 440054.9/23

21.494 $\pm$ 0.003 χ^2 /NDF: 5290323.6/43

21.455 $\pm$ 0.003 χ^2 /NDF: 6012524.6/42

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: 30.017+/-41.319 χ^2/NDF : 9.2/25

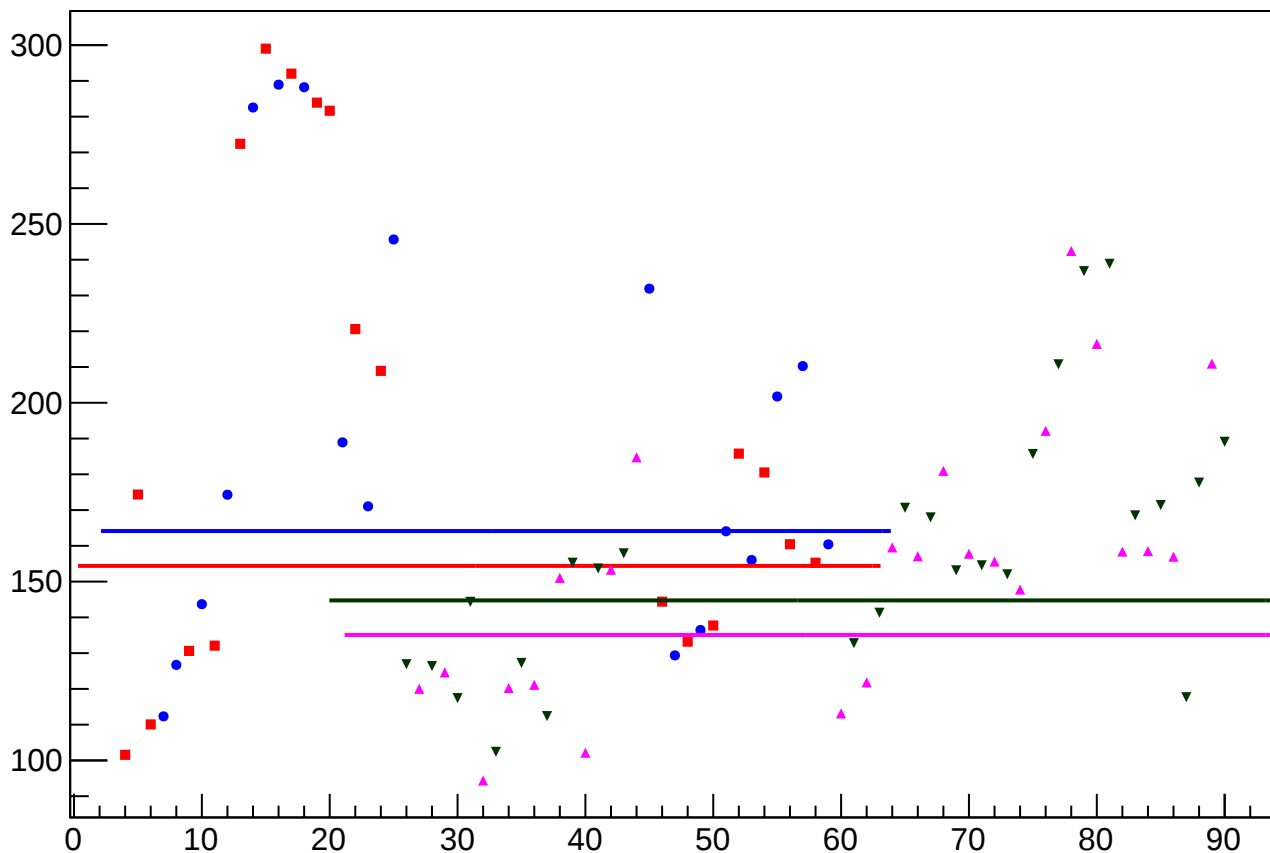
Right Out: 80.043+/-52.081 χ^2/NDF : 10.6/18

Left In: -34.519+/-38.275 χ^2/NDF : 3.0/23

25.334+/-32.187 χ^2/NDF : 11.2/43

5.657+/-30.842 χ^2/NDF : 16.8/42

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: 144.744 $\pm$ 0.029 χ^2 /NDF:1053884.6/25

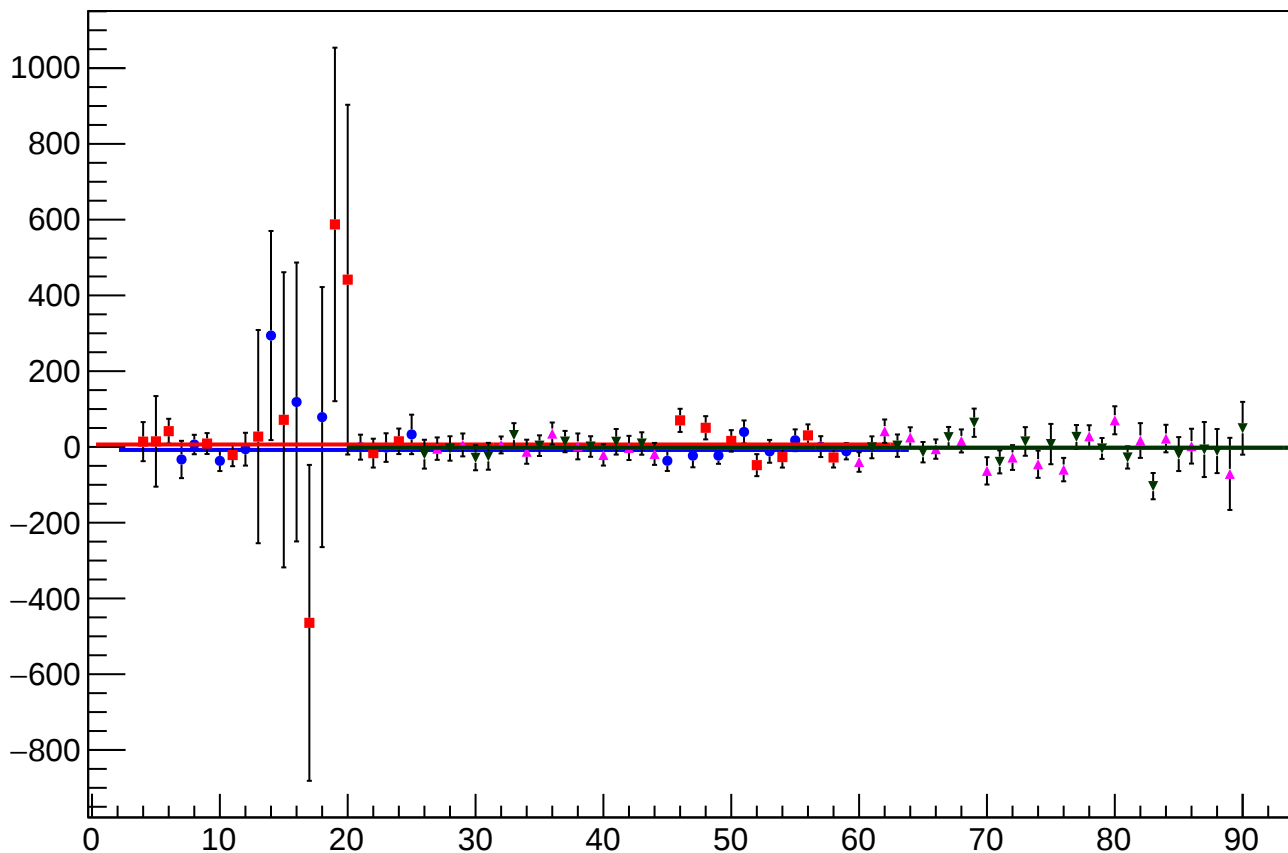
Right Out: 154.395 $\pm$ 0.037 χ^2 /NDF: 1875575.3/18

Left In: 135.084 $\pm$ 0.027 χ^2 /NDF:1405485.5/23

152.370 $\pm$ 0.023 χ^2 /NDF: 2793712.7/43

141.856 $\pm$ 0.022 χ^2 /NDF: 3459590.4/42

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: -2.122+/-6.479 χ^2 /NDF:20.1/25

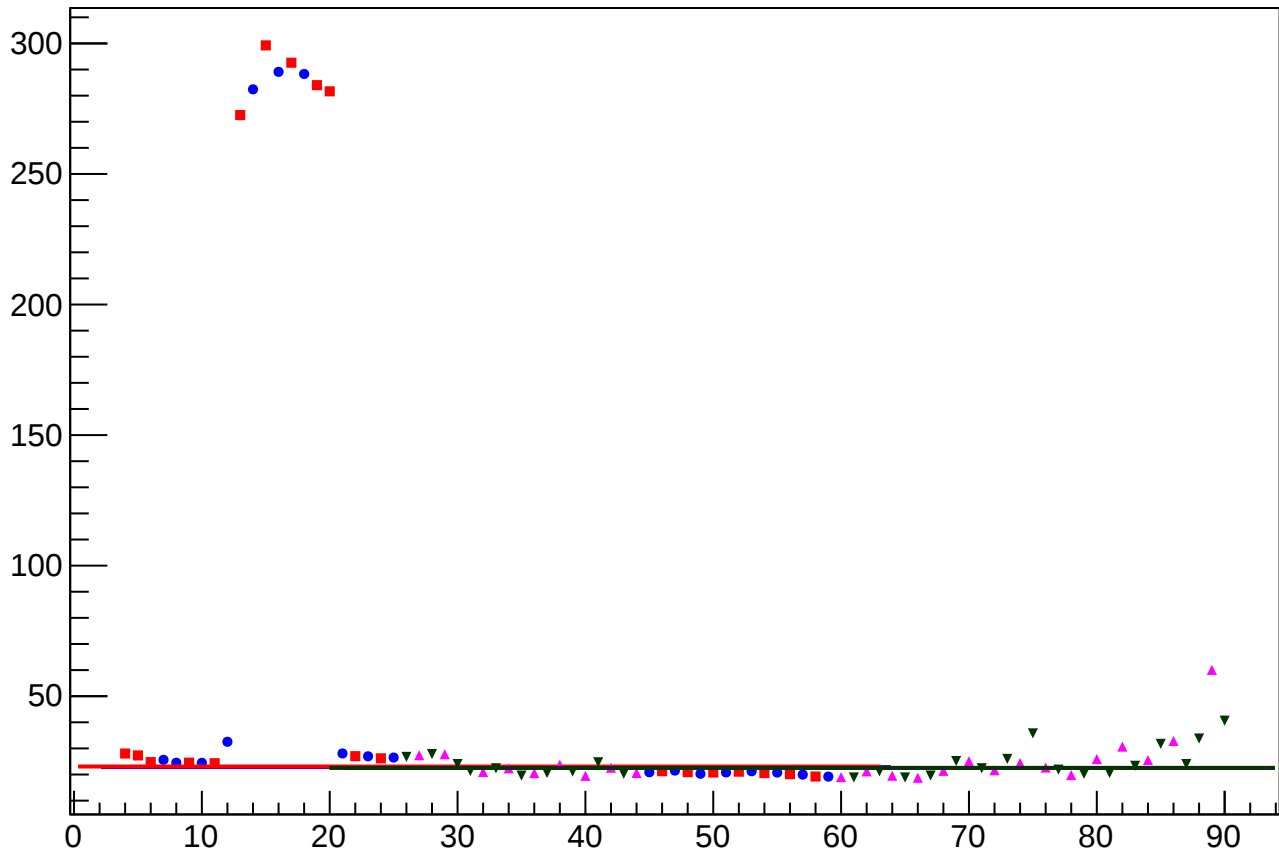
Right Out: 6.463+/-8.479 χ^2 /NDF: 20.1/18

Left In: -2.183+/-6.387 χ^2 /NDF:22.7/23

-4.587+/-4.932 χ^2 /NDF: 29.5/43

0.947+/-5.102 χ^2 /NDF: 43.5/42

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs slug



Right In: 22.854 $\pm$ 0.005 χ^2 /NDF: 4363507.8/17

Left Out: 22.529 $\pm$ 0.005 χ^2 /NDF: 709187.1/25

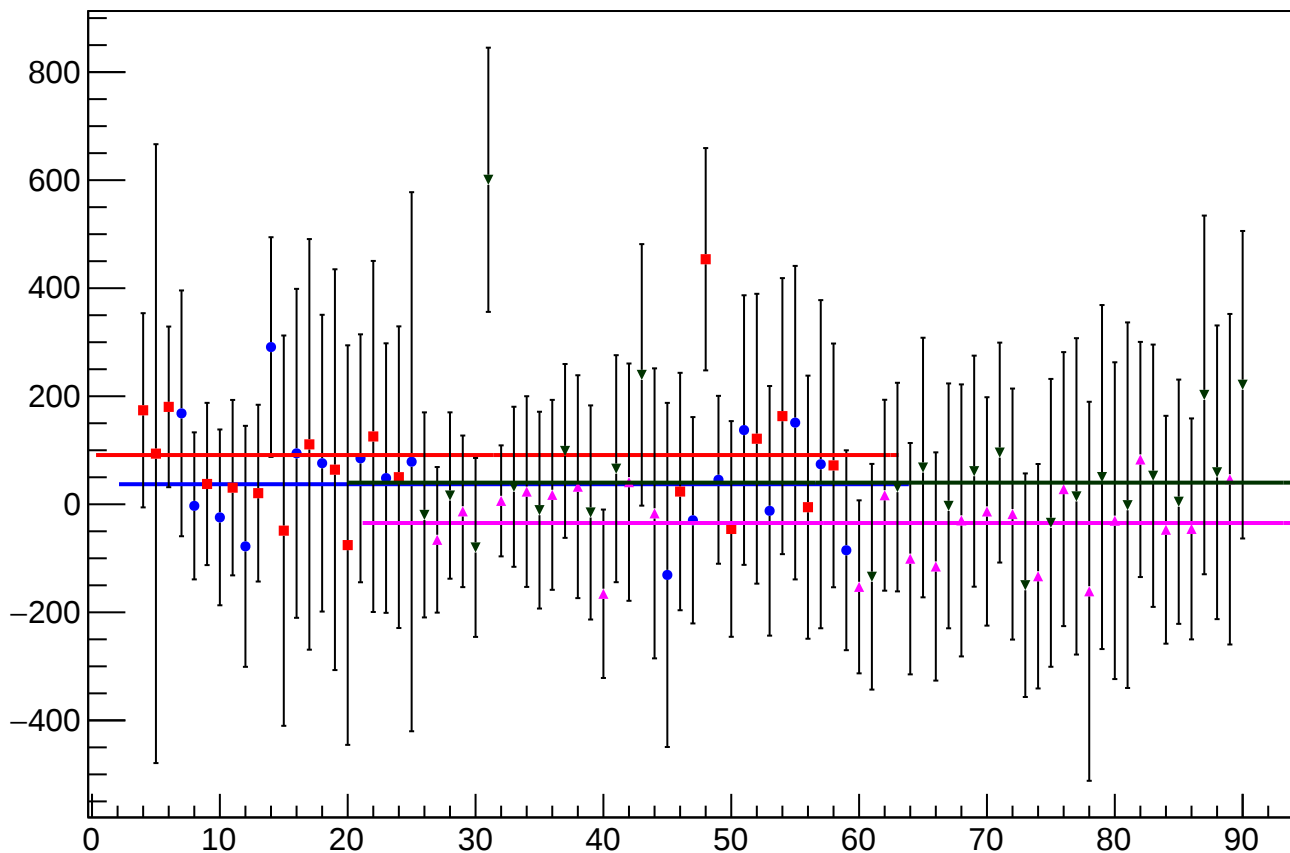
Right Out: 23.069 $\pm$ 0.006 χ^2 /NDF: 4856723.7/18

Left In: 22.535 $\pm$ 0.005 χ^2 /NDF: 820108.0/23

22.665 $\pm$ 0.003 χ^2 /NDF: 5074818.9/43

22.728 $\pm$ 0.004 χ^2 /NDF: 5681888.7/42

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: 40.066+/-41.727 χ^2/NDF : 9.3/25

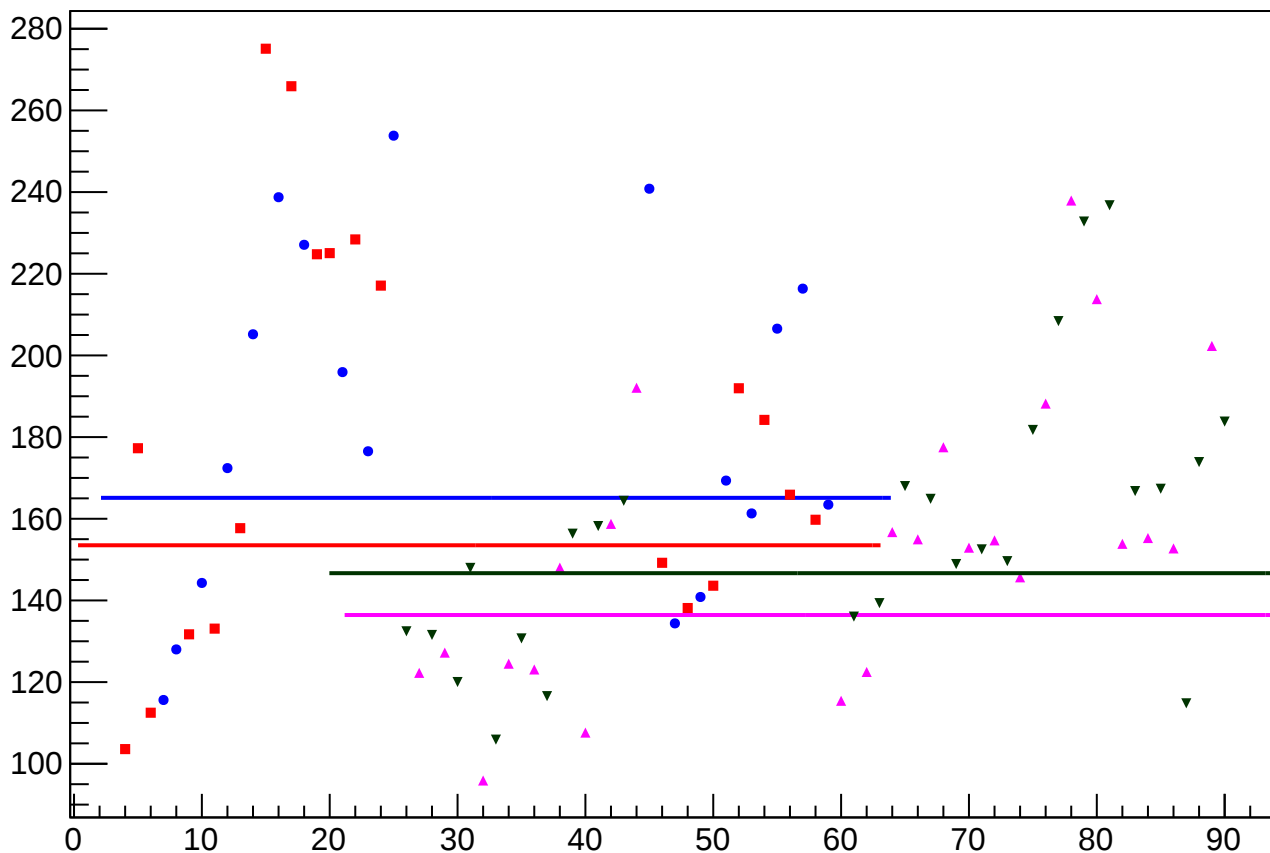
Right Out: 91.157+/-50.934 χ^2/NDF : 5.3/18

Left In: -34.650+/-38.551 χ^2/NDF : 3.0/23

38.899+/-32.305 χ^2/NDF : 13.1/43

11.172+/-30.739 χ^2/NDF : 12.3/42

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: 146.675+/-0.030 χ^2/NDF : 894370.4/25

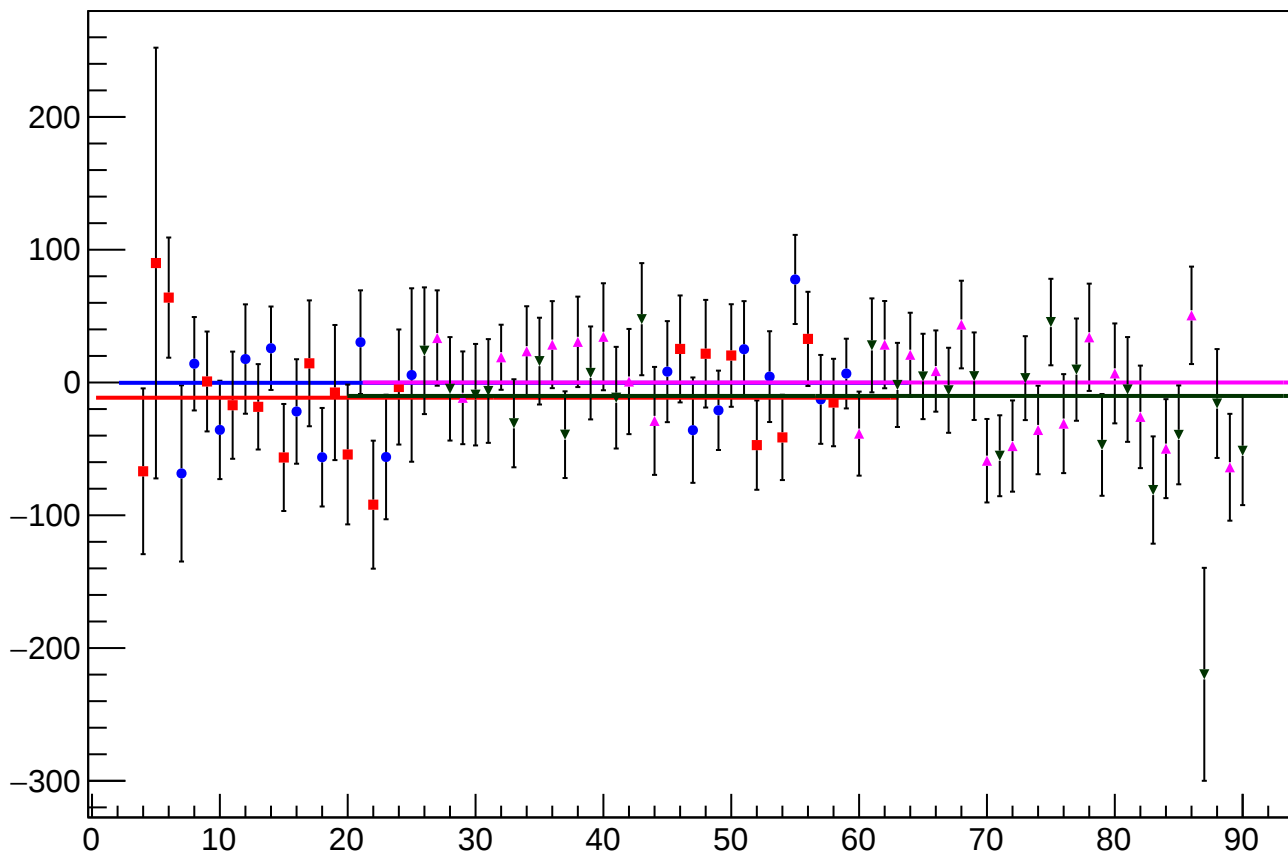
154.067+/-0.023 χ^2/NDF : 2041672.1/43

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

142.651+/-0.022 χ^2/NDF : 2611489.7/42

Left In: 136.431+/-0.027 χ^2/NDF : 1229941.6/23

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: -10.125 ± 7.136 χ^2/NDF : 24.2/25

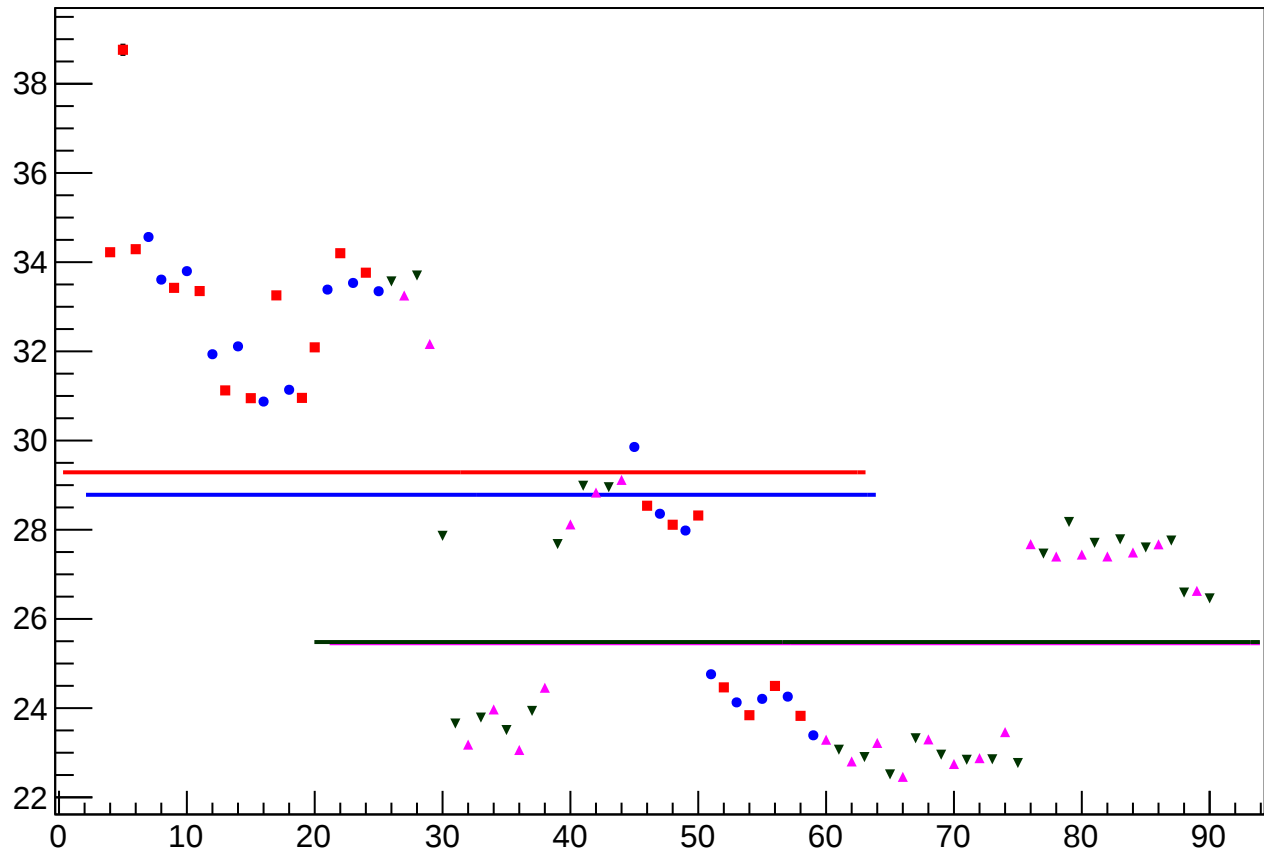
Right Out: -11.462 ± 9.405 χ^2/NDF : 14.9/18

Left In: 0.001 ± 7.029 χ^2/NDF : 24.1/23

-6.119 ± 5.503 χ^2/NDF : 40.1/43

-4.107 ± 5.630 χ^2/NDF : 39.9/42

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs slug



Right In: 28.784+/-0.006 χ^2/NDF : 418497.9/17

Left Out: 25.482+/-0.005 χ^2/NDF :355612.1/25

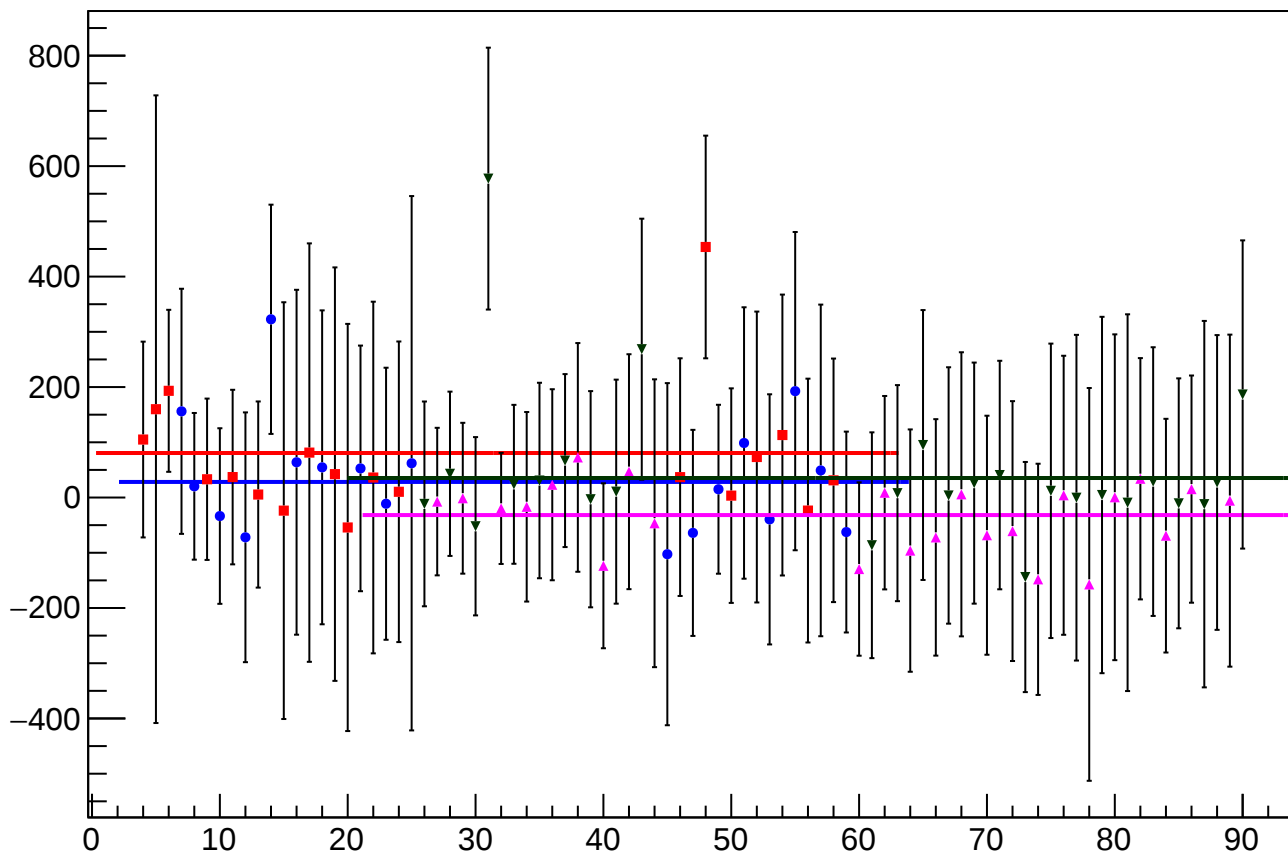
26.820+/-0.004 χ^2/NDF : 947636.2/43

Right Out: 29.288+/-0.007 χ^2/NDF : 355757.4/18

26.828+/-0.004 χ^2/NDF : 940626.8/42

Left In: 25.455+/-0.005 χ^2/NDF :371737.4/23

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: 35.350+/-41.209 χ^2/NDF : 8.3/25

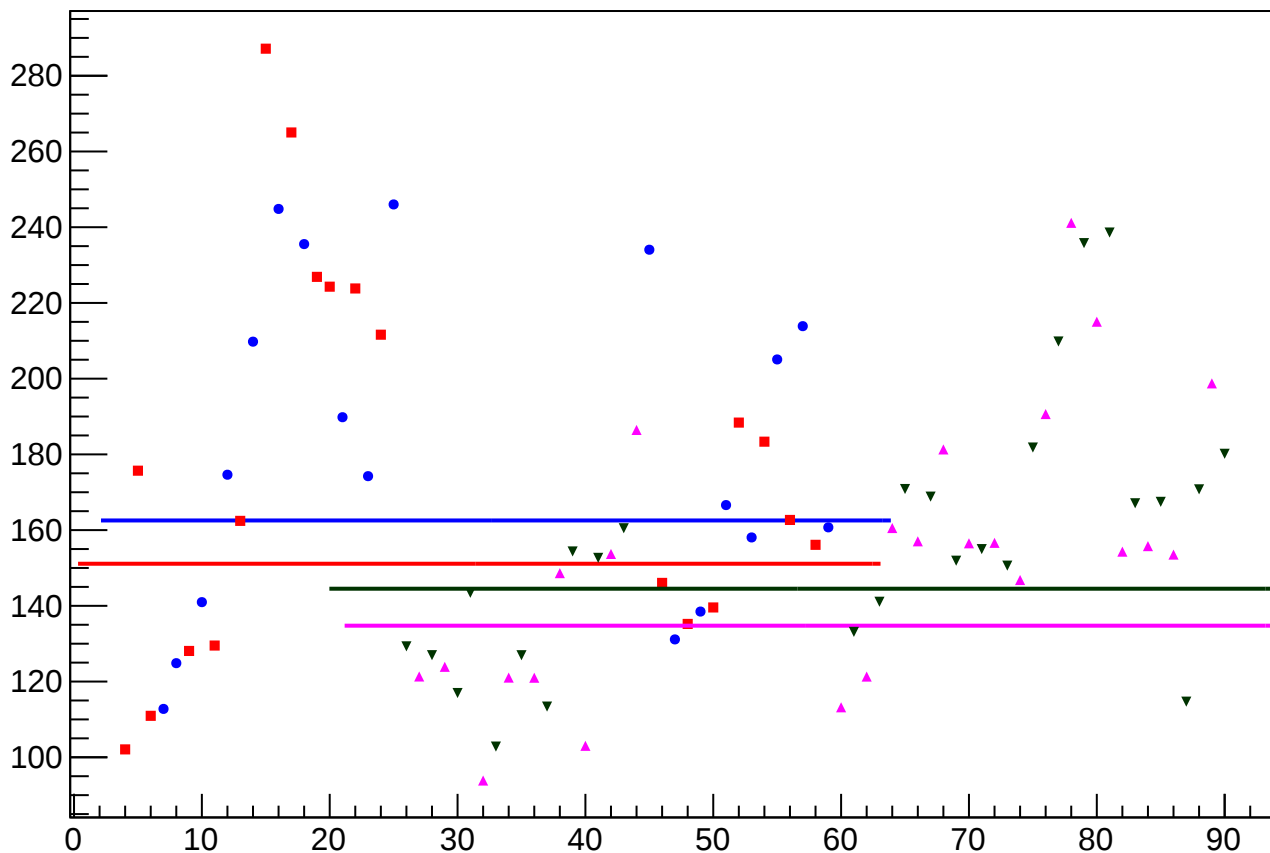
Right Out: 80.614+/-50.242 χ^2/NDF : 5.2/18

Left In: -31.749+/-38.146 χ^2/NDF : 2.3/23

32.492+/-31.890 χ^2/NDF : 12.2/43

9.337+/-30.381 χ^2/NDF : 10.6/42

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs slug



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

Left Out: 144.520 $\pm$ 0.029 χ^2 /NDF:1000490.4/25

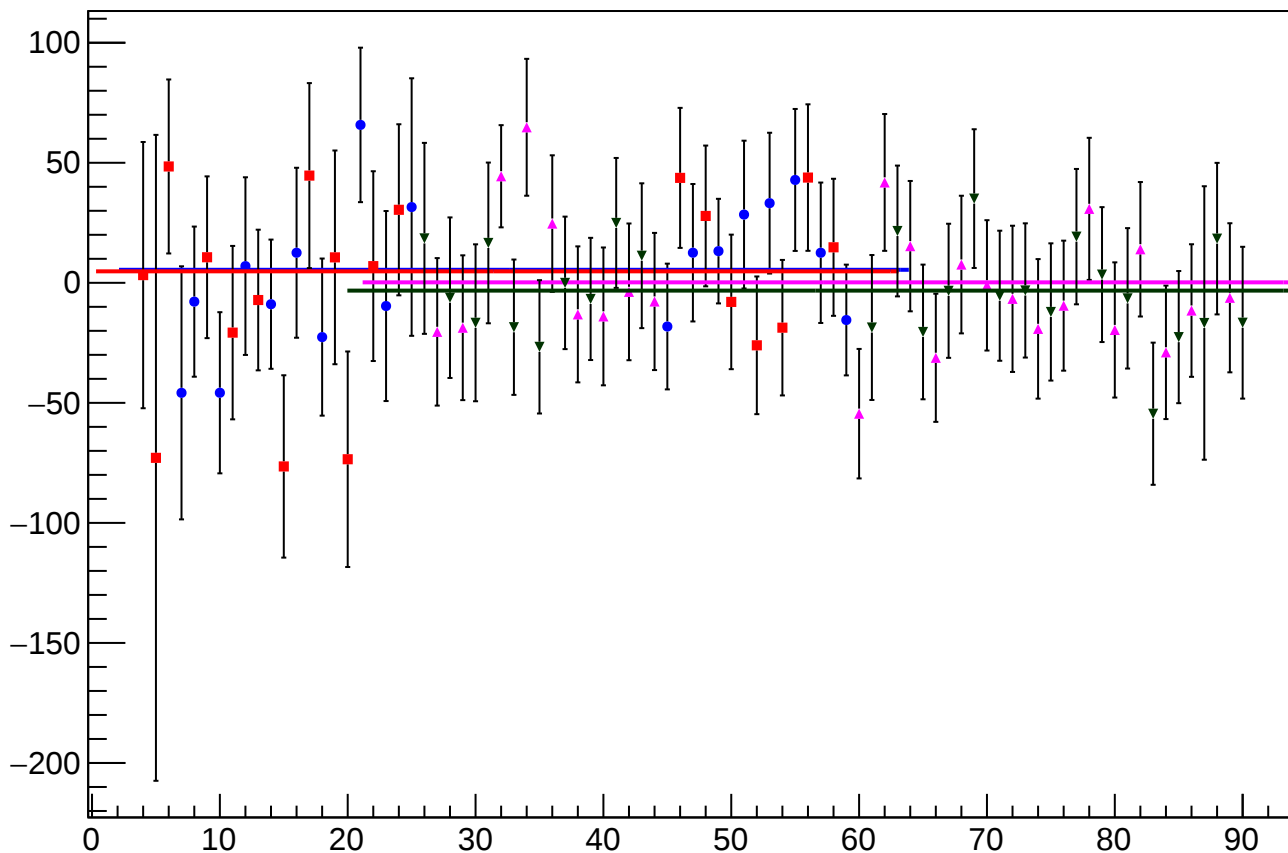
151.751 $\pm$ 0.023 χ^2 /NDF: 2243347.5/43

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

140.740 $\pm$ 0.021 χ^2 /NDF: 2800550.6/42

Left In: 134.757 $\pm$ 0.027 χ^2 /NDF:1359591.3/23

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: -3.244 ± 5.797 χ^2/NDF : 11.4/25

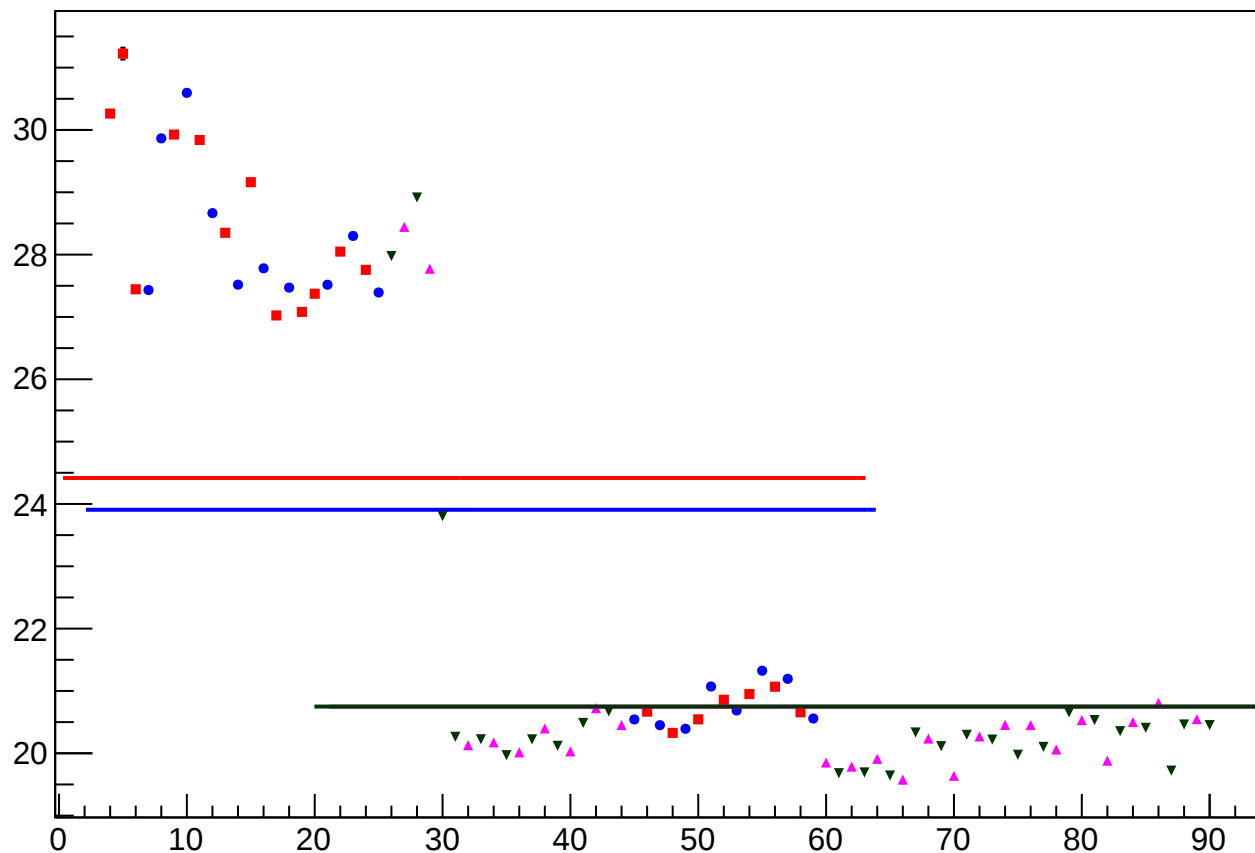
Right Out: 4.784 ± 7.872 χ^2/NDF : 17.9/18

Left In: 0.195 ± 5.713 χ^2/NDF : 23.4/23

0.163 ± 4.516 χ^2/NDF : 25.7/43

1.778 ± 4.624 χ^2/NDF : 41.5/42

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: 20.749 $\pm$ 0.004 χ^2 /NDF: 223284.1/25

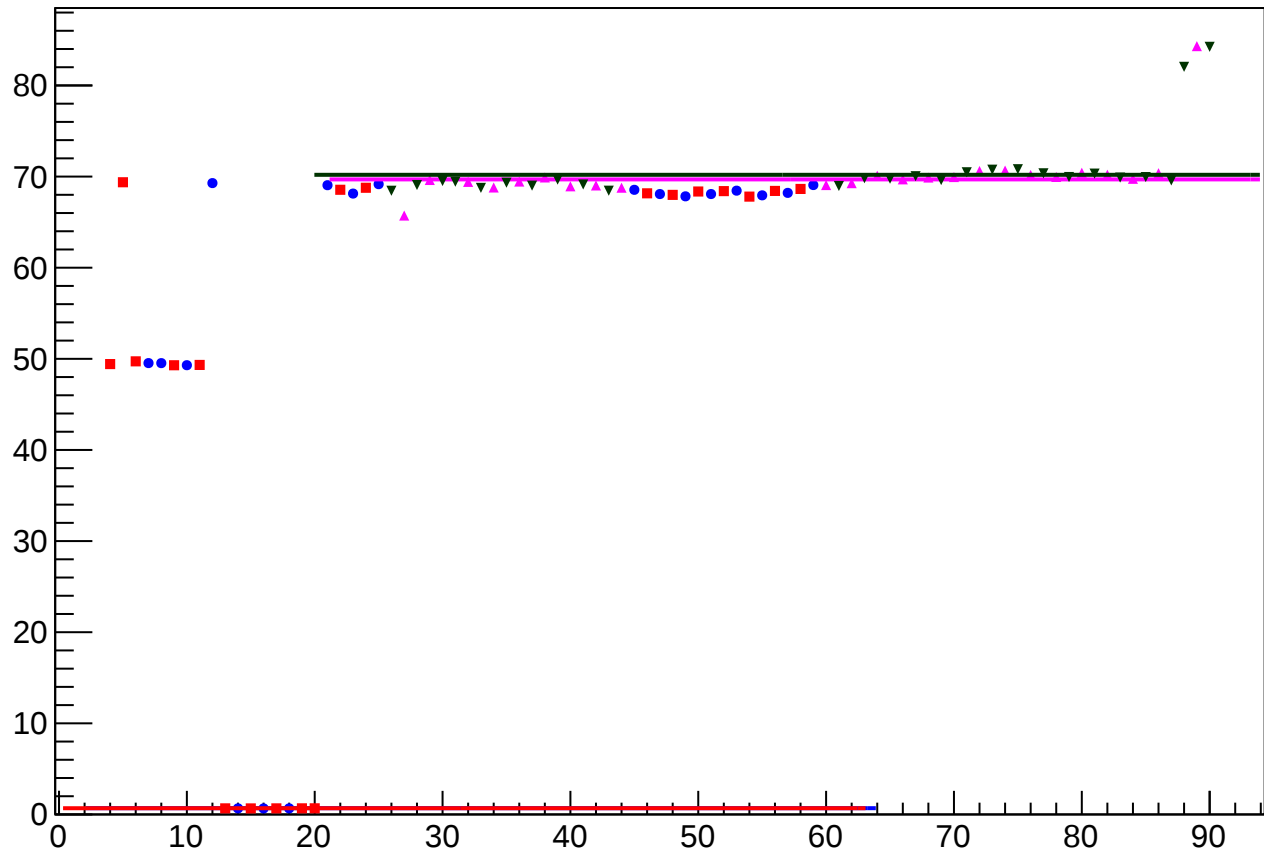
Right Out: 24.417 $\pm$ 0.006 χ^2 /NDF: 496476.9/18

Left In: 20.749 $\pm$ 0.004 χ^2 /NDF: 258162.8/23

21.990 $\pm$ 0.003 χ^2 /NDF: 1022357.1/43

22.014 $\pm$ 0.003 χ^2 /NDF: 1039108.0/42

yield_bcm_an_ds_mean vs slug



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

Left Out: 70.194 ± 0.000 χ^2/NDF : 2647971074.6/25

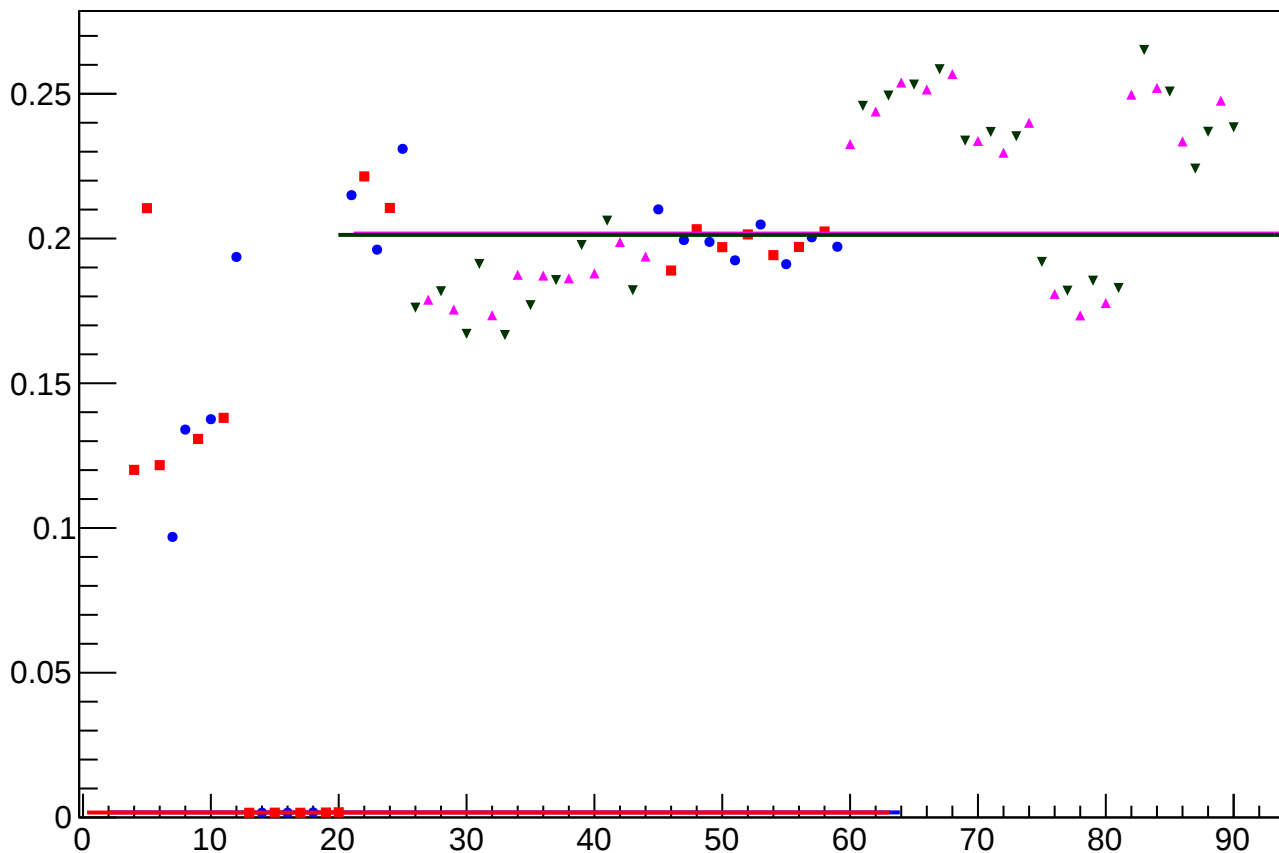
0.713 ± 0.000 χ^2/NDF : 2508813087640.9/43

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

0.705 ± 0.000 χ^2/NDF : 2335633641359.1/42

Left In: 69.690 ± 0.000 χ^2/NDF : 2001708869.2/23

yield_bcm_an_ds_rms vs slug



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

Left Out: 0.201 $\pm$ 0.000 χ^2 /NDF: 549923.6/25

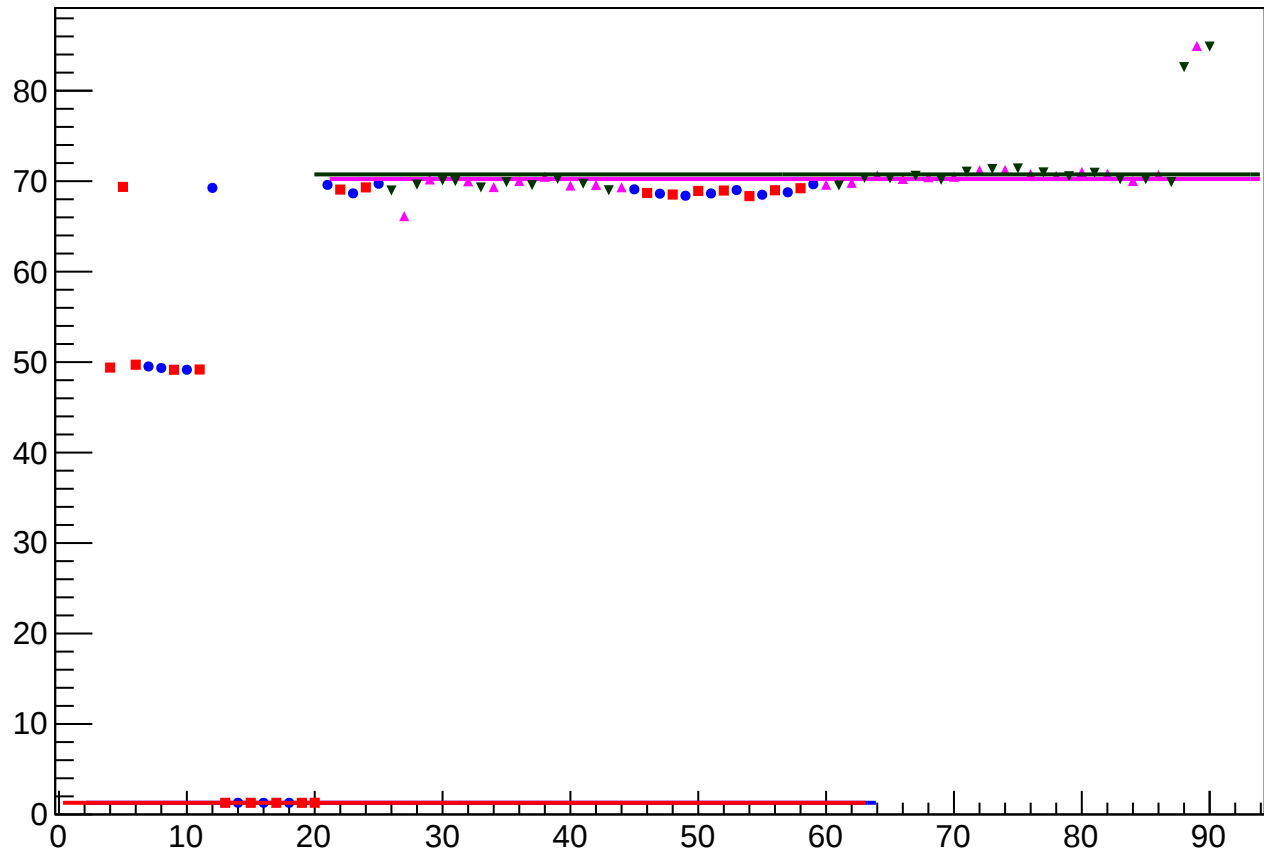
0.002 $\pm$ 0.000 χ^2 /NDF: 41656142.9/43

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

0.002 $\pm$ 0.000 χ^2 /NDF: 39066799.1/42

Left In: 0.202 $\pm$ 0.000 χ^2 /NDF: 557273.6/23

yield_bcm_an_ds3_mean vs slug



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

Left Out: 70.748+/-0.000 χ^2/NDF : 2548681111.5/25

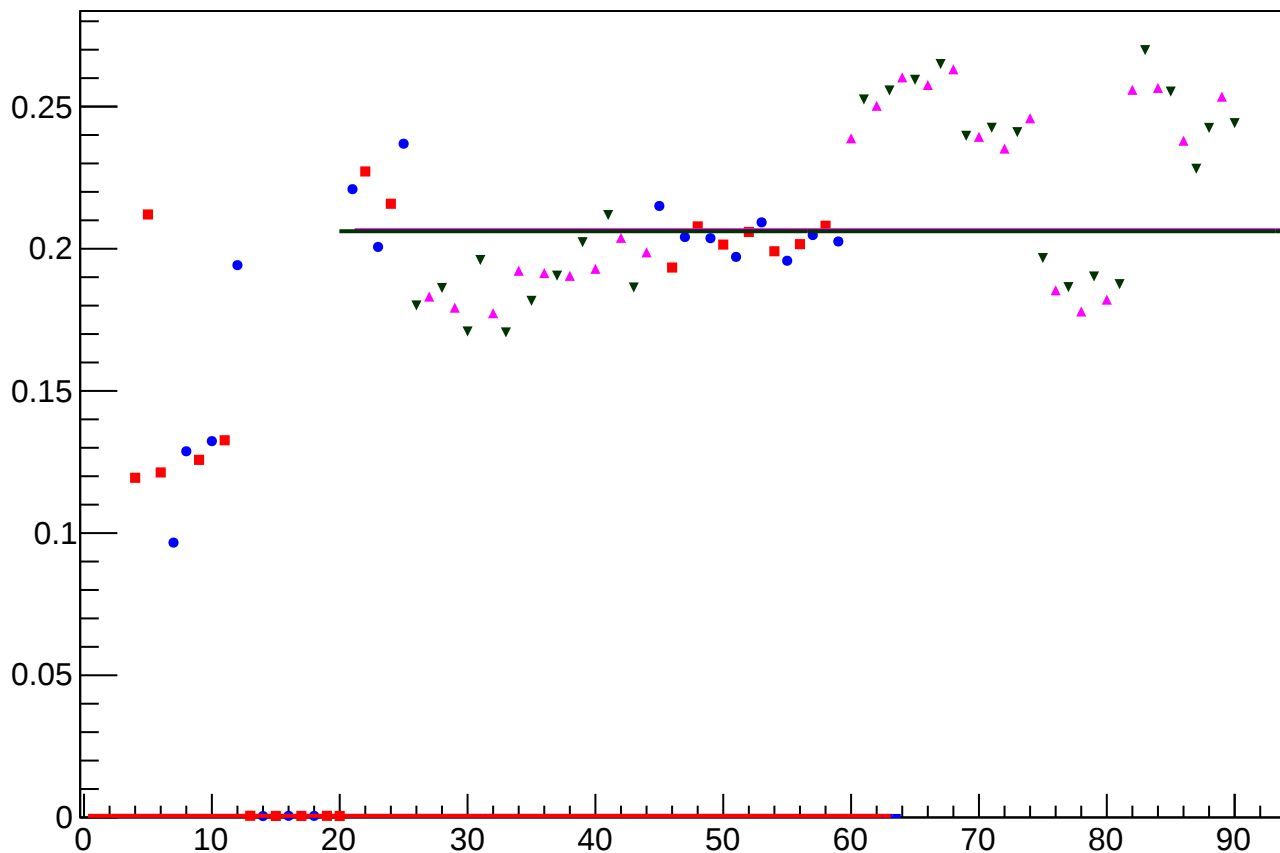
1.293+/-0.000 χ^2/NDF : 2411279742805.0/43

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

1.293+/-0.000 χ^2/NDF : 2245716122181.1/42

Left In: 70.236+/-0.000 χ^2/NDF : 1956477427.8/23

yield_bcm_an_ds3_rms vs slug



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

Left Out: 0.206+/-0.000 χ^2/NDF : 546761.8/25

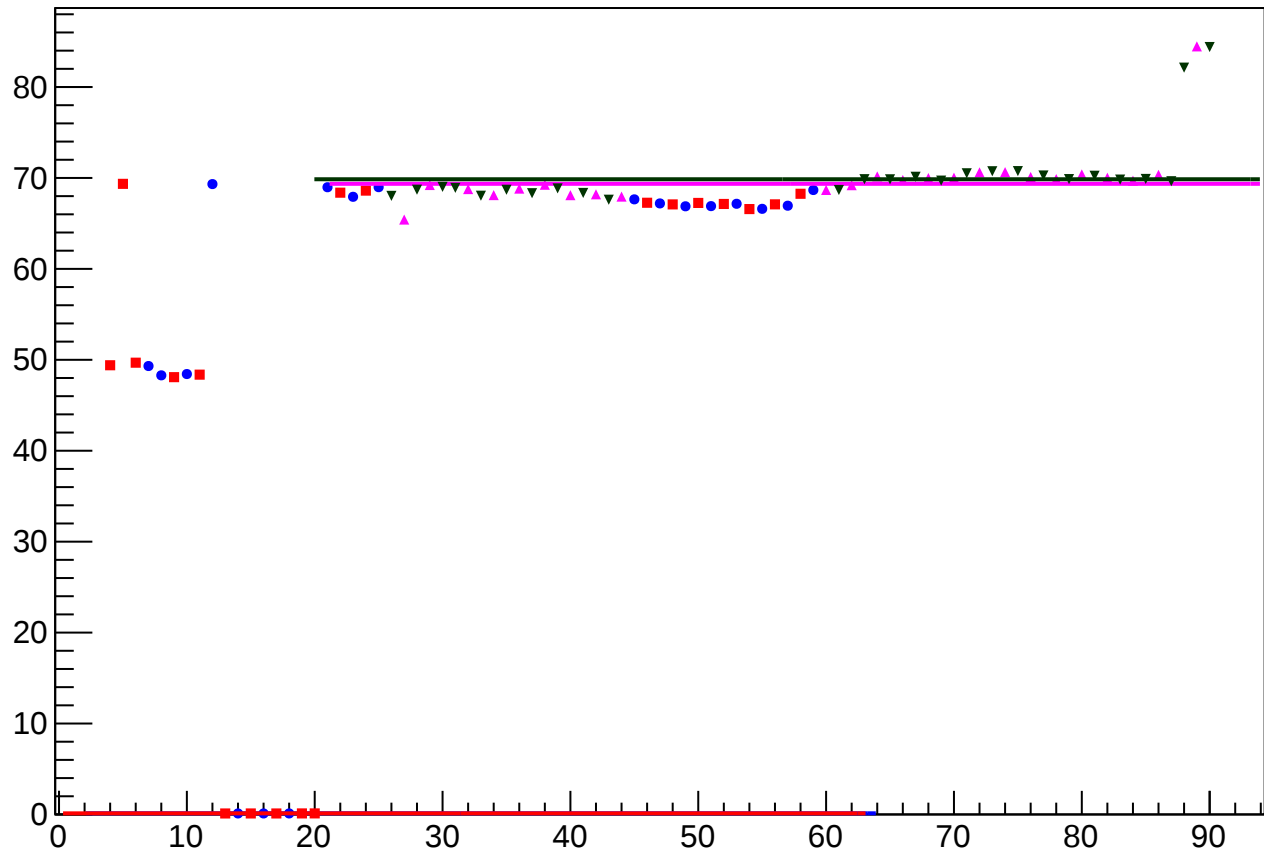
Right Out: 0.001+/-0.000 χ^2/NDF : 13695888.0/18

Left In: 0.207+/-0.000 χ^2/NDF : 557187.5/23

0.001+/-0.000 χ^2/NDF : 42206259.1/43

0.001+/-0.000 χ^2/NDF : 39545976.3/42

yield_bcm_an_us_mean vs slug



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

Left Out: 69.857+/-0.000 χ^2/NDF : 2926219730.1/25

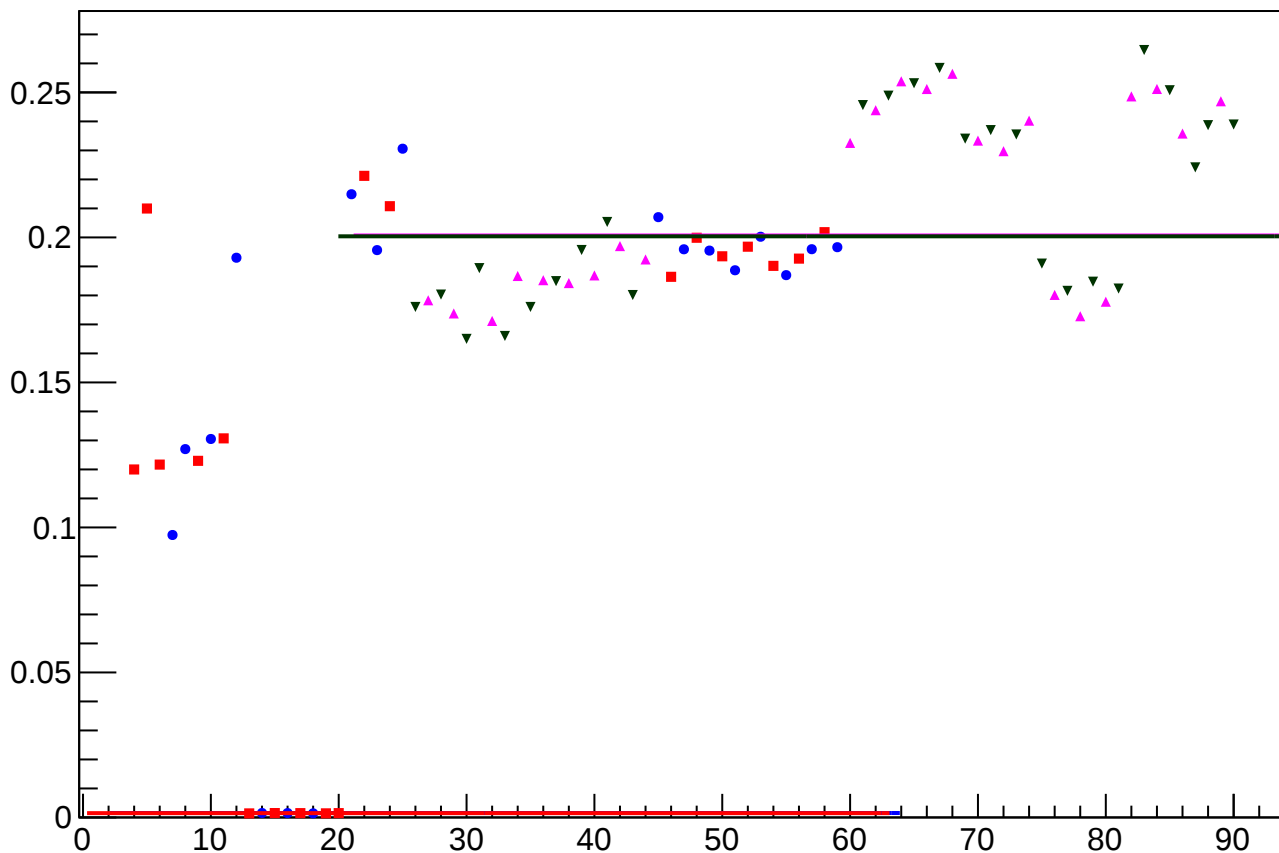
0.147+/-0.000 χ^2/NDF : 2562537583580.0/43

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

0.139+/-0.000 χ^2/NDF : 2390491378142.6/42

Left In: 69.356+/-0.000 χ^2/NDF : 2219326091.3/23

yield_bcm_an_us_rms vs slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 16922209.8/17

Left Out: 0.200 $\pm$ 0.000 χ^2 /NDF:570177.8/25

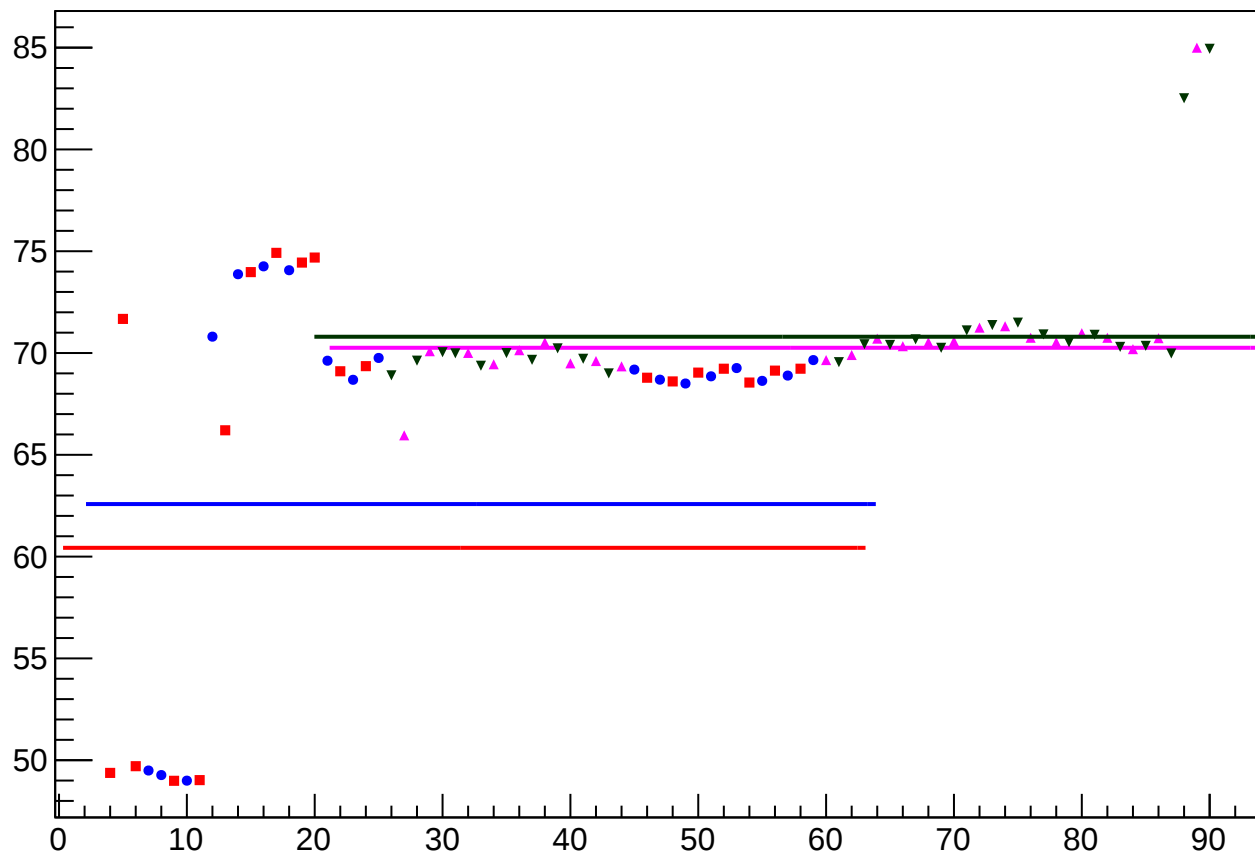
0.002 $\pm$ 0.000 χ^2 /NDF: 41715911.1/43

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 13535654.6/18

0.002 $\pm$ 0.000 χ^2 /NDF: 39143136.8/42

Left In: 0.201 $\pm$ 0.000 χ^2 /NDF:579786.2/23

yield_bcm_dg_us_mean vs slug



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

Left Out: 70.800+/-0.000 χ^2/NDF : 2483891902.2/25

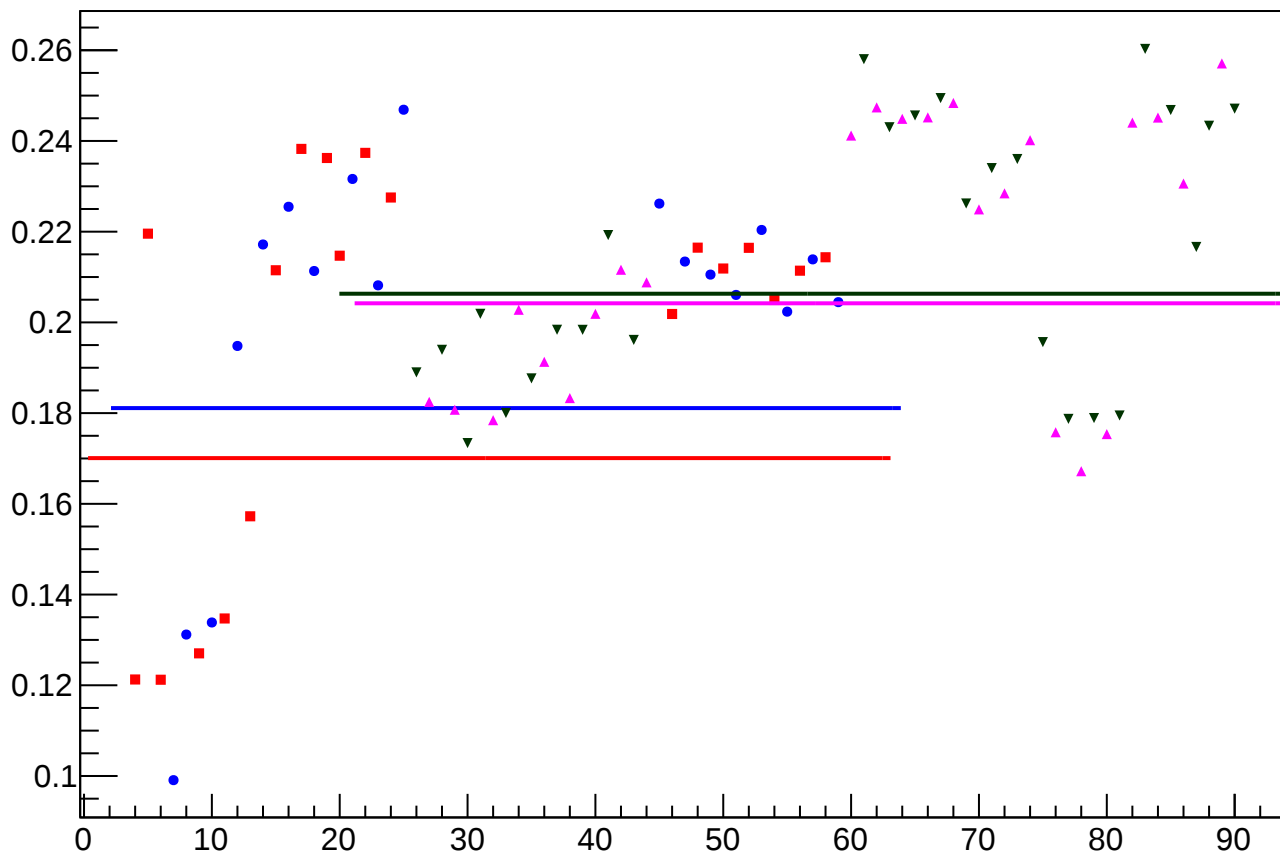
Right Out: 60.432+/-0.000 χ^2/NDF : 32977972131.8/18

Left In: 70.258+/-0.000 χ^2/NDF : 1957454498.7/23

66.534+/-0.000 χ^2/NDF : 46363986530.2/43

65.334+/-0.000 χ^2/NDF : 49689280246.4/42

yield_bcm_dg_us_rms vs slug



Right In: 0.181 $\pm$ 0.000 χ^2 /NDF: 1216212.6/17

Left Out: 0.206 $\pm$ 0.000 χ^2 /NDF:427878.6/25

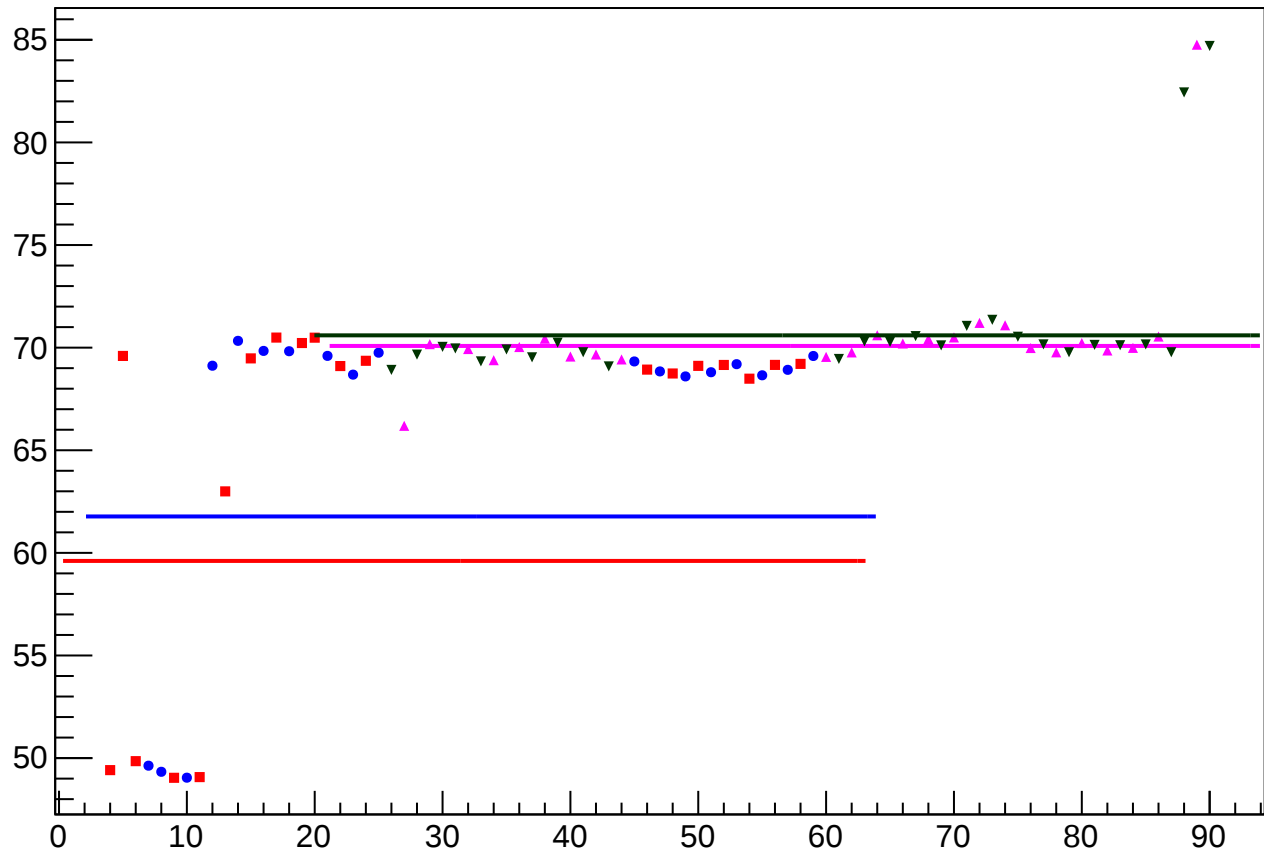
0.193 $\pm$ 0.000 χ^2 /NDF: 1836072.9/43

Right Out: 0.170 $\pm$ 0.000 χ^2 /NDF: 1183604.4/18

0.187 $\pm$ 0.000 χ^2 /NDF: 2038061.7/42

Left In: 0.204 $\pm$ 0.000 χ^2 /NDF:498467.7/23

yield_bcm_dg_ds_mean vs slug



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

Left Out: 70.599 $\pm$ 0.000 χ^2 /NDF: 2608887950.9/25

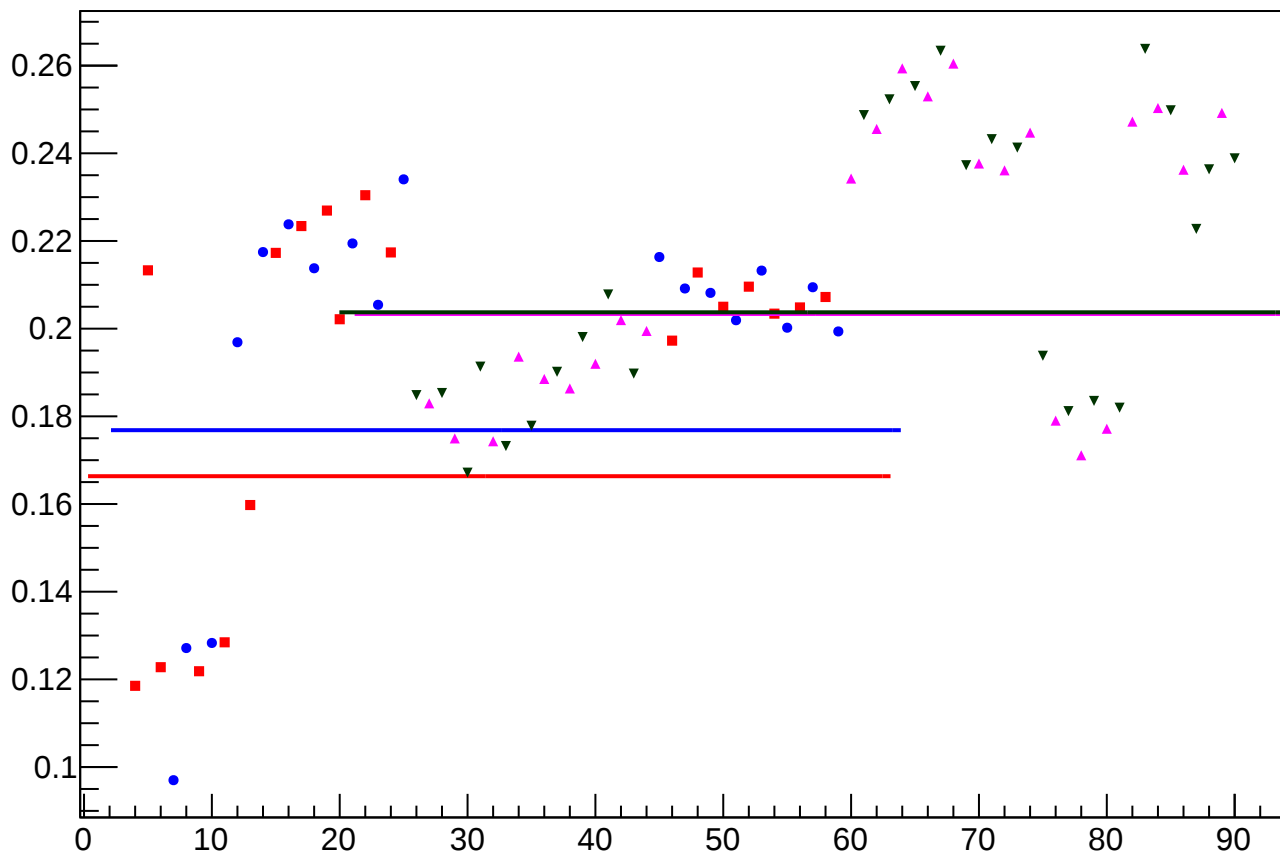
Right Out: 59.608 $\pm$ 0.000 χ^2 /NDF: 29547406430.8/18

Left In: 70.083 $\pm$ 0.000 χ^2 /NDF: 1928758289.1/23

65.965 $\pm$ 0.000 χ^2 /NDF: 45730186283.1/43

64.735 $\pm$ 0.000 χ^2 /NDF: 48690733088.6/42

yield_bcm_dg_ds_rms vs slug



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

Left Out: 0.204+/-0.000 χ^2/NDF : 535518.4/25

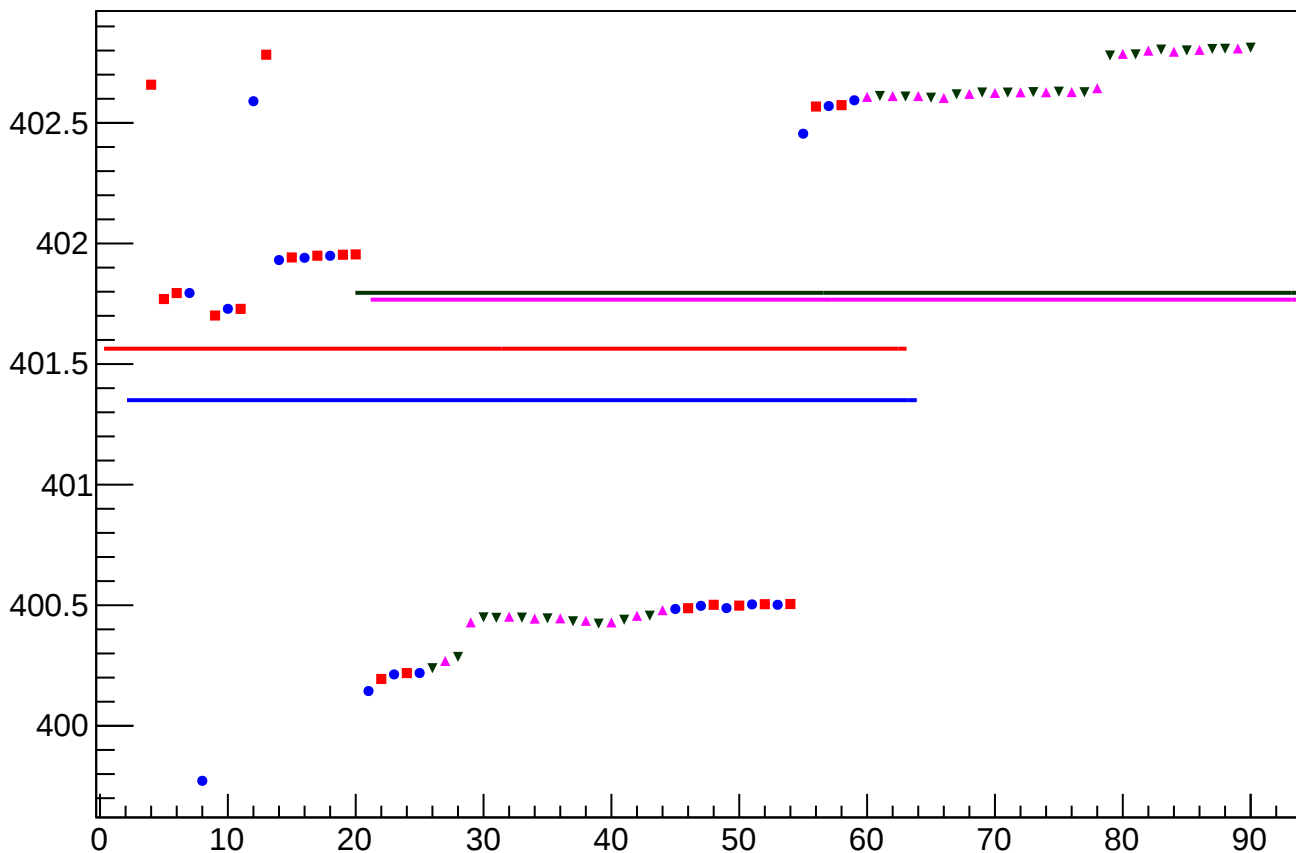
Right Out: 0.166+/-0.000 χ^2/NDF : 1156468.8/18

Left In: 0.203+/-0.000 χ^2/NDF : 577182.3/23

0.190+/-0.000 χ^2/NDF : 2037811.1/43

0.184+/-0.000 χ^2/NDF : 2163096.8/42

yield_cav4bQ_mean vs slug



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

Left Out: 401.795+/-0.000 χ^2/NDF : 370725238327.9/25

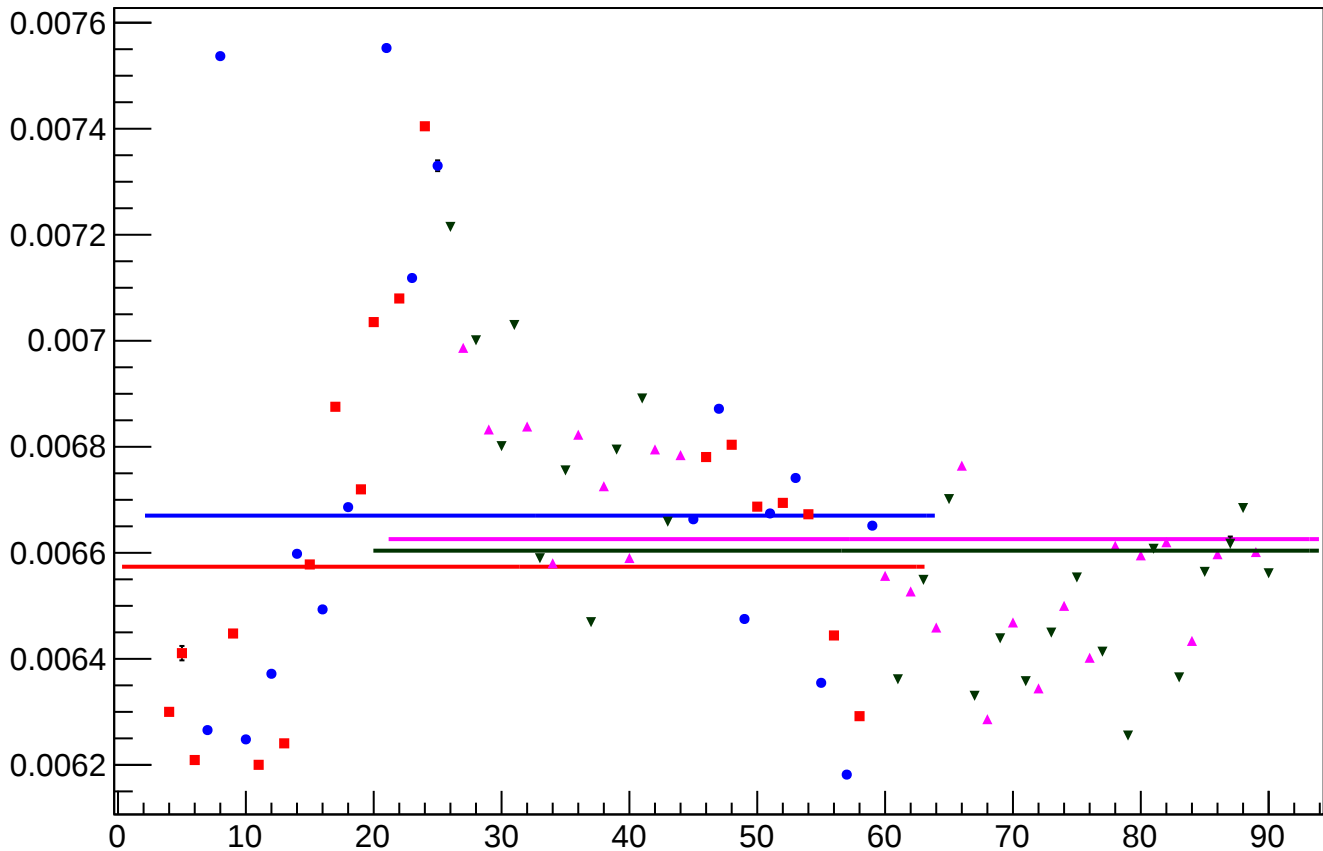
Right Out: 401.564+/-0.000 χ^2/NDF : 183973928948.5/18

Left In: 401.767+/-0.000 χ^2/NDF : 373965671252.0/23

401.591+/-0.000 χ^2/NDF : 632787578404.7/43

401.679+/-0.000 χ^2/NDF : 563357450261.2/42

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 :31775.1/25

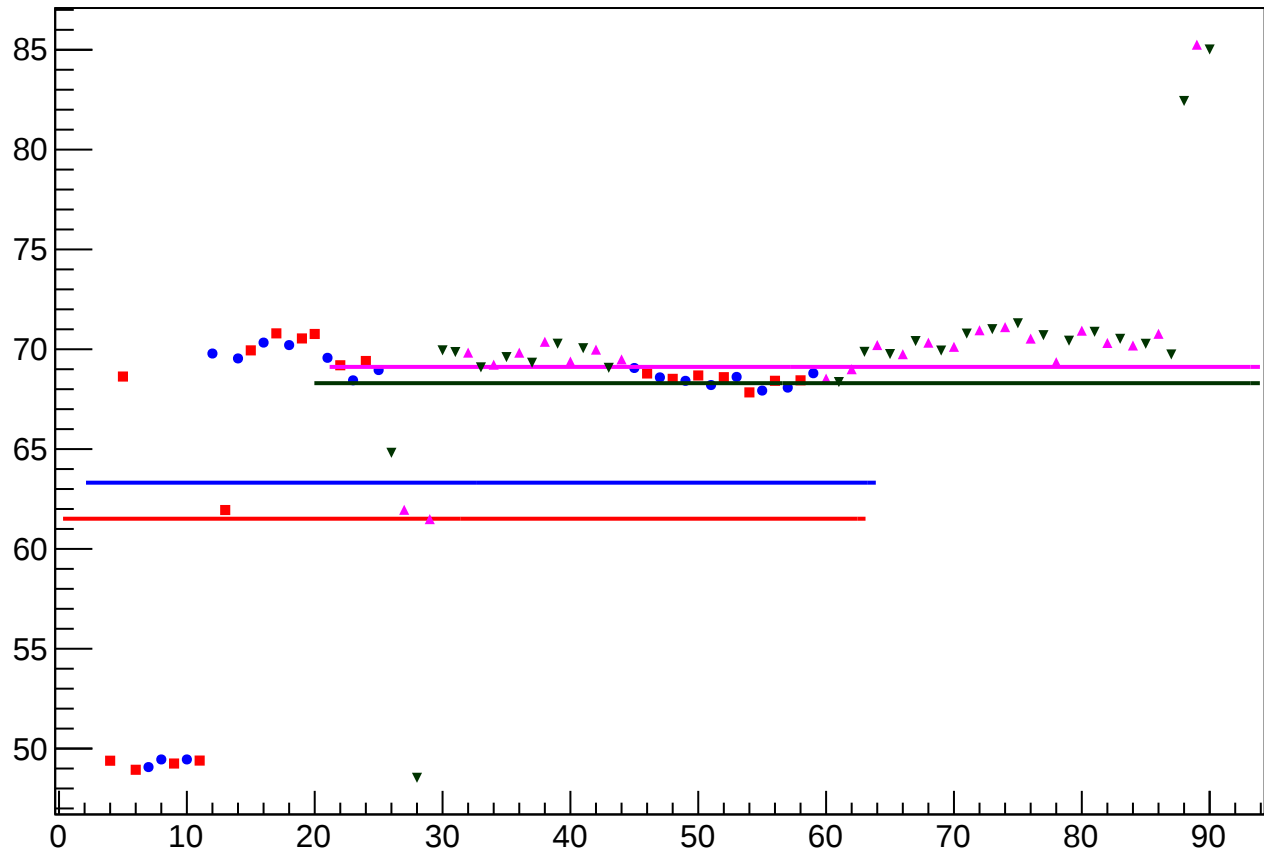
0.007+/-0.000 χ^2/NDF : 109647.8/43

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

0.007+/-0.000 χ^2/NDF : 68171.3/42

Left In: 0.007+/-0.000 χ^2/NDF :19779.6/23

yield_cav4cQ_mean vs slug



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

Left Out: 68.302+/-0.000 χ^2/NDF : 14014831533.1/25

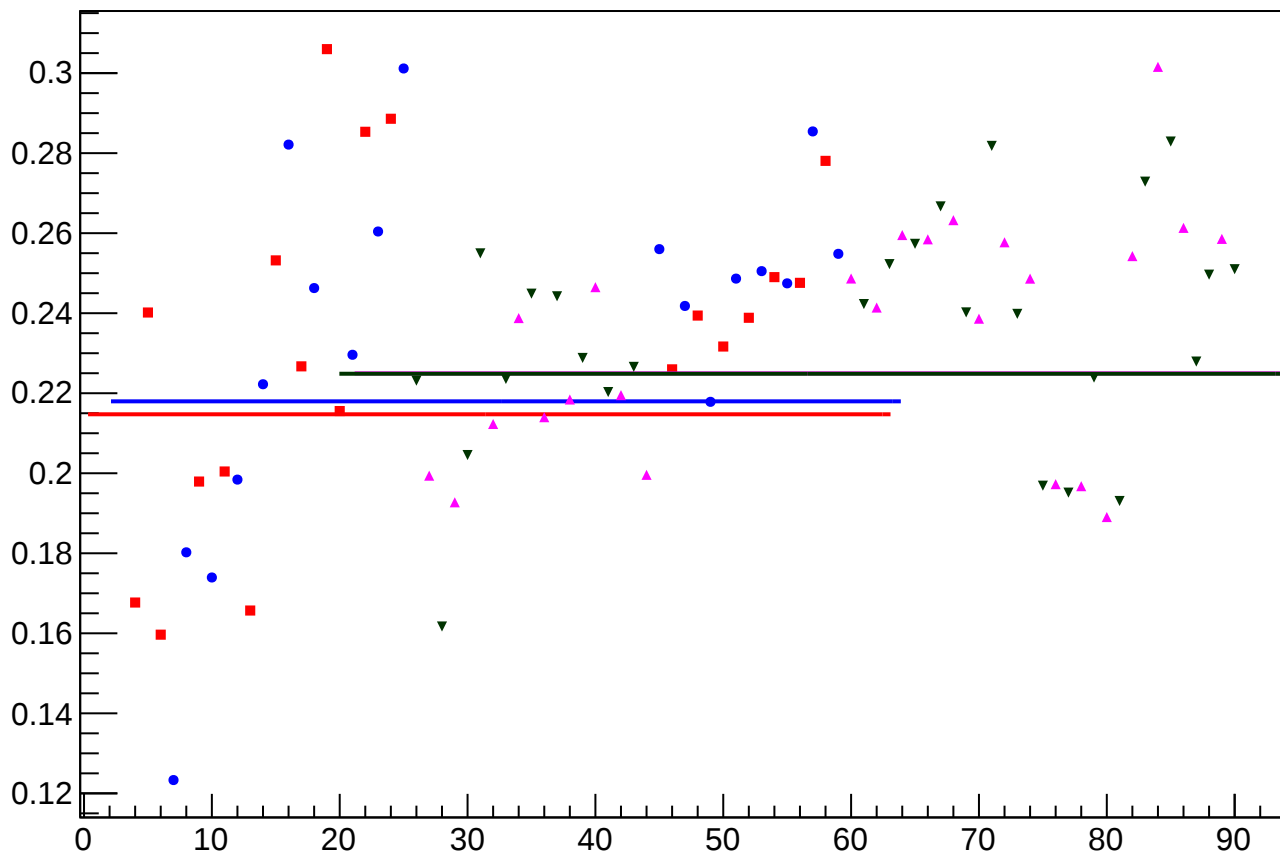
65.948+/-0.000 χ^2/NDF : 33834799991.1/43

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

65.824+/-0.000 χ^2/NDF : 25484810325.4/42

Left In: 69.117+/-0.000 χ^2/NDF : 4029262704.4/23

yield_cav4cQ_rms vs slug



Right In: 0.218 $\pm$ 0.000 χ^2/NDF : 734629.1/17

Left Out: 0.225 $\pm$ 0.000 χ^2/NDF : 506387.4/25

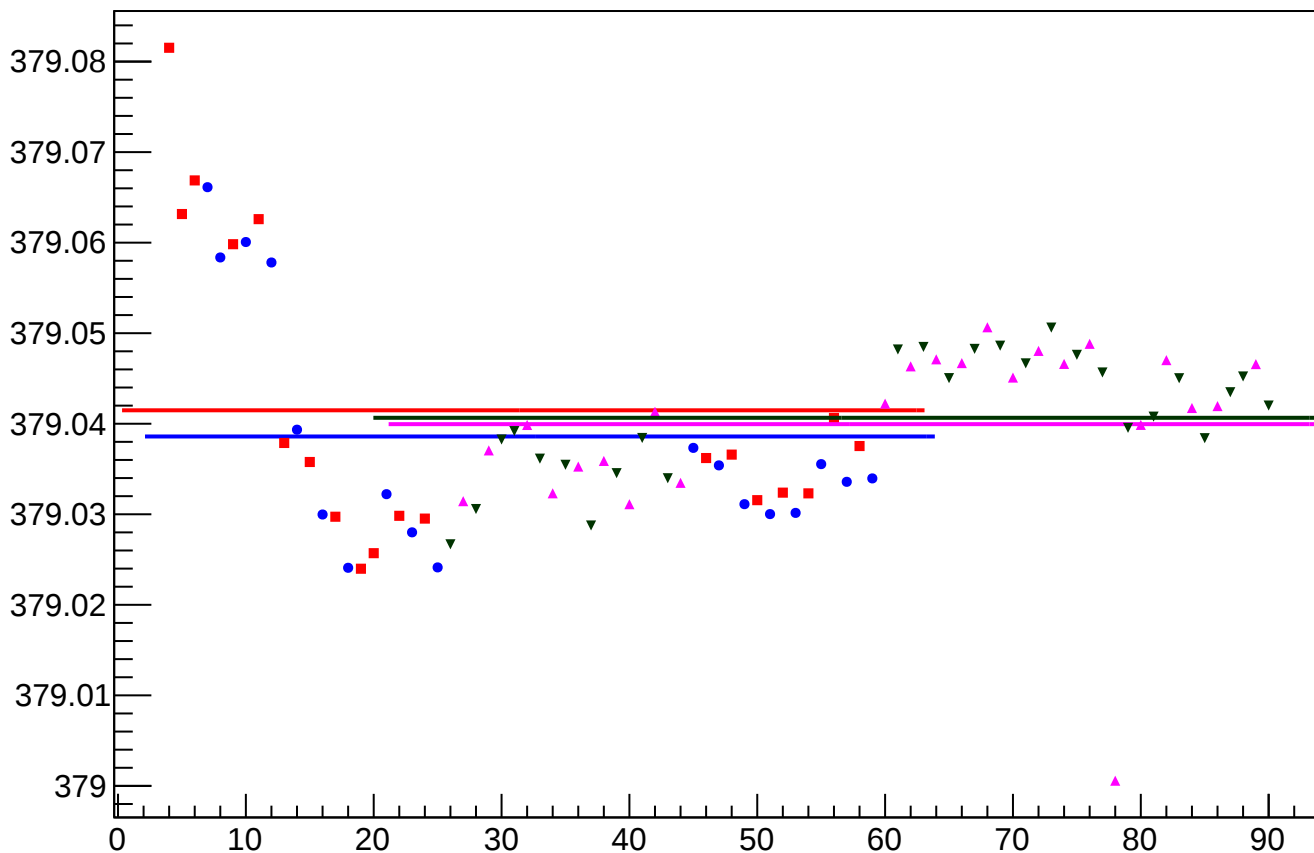
Right Out: 0.215 $\pm$ 0.000 χ^2/NDF : 631176.3/18

Left In: 0.225 $\pm$ 0.000 χ^2/NDF : 389879.4/23

0.222 $\pm$ 0.000 χ^2/NDF : 1251634.7/43

0.221 $\pm$ 0.000 χ^2/NDF : 1043154.9/42

yield_cav4dQ_mean vs slug



Right In: 379.039 $\pm$ 0.000 χ^2 /NDF: 33775812.8/17

Left Out: 379.041 $\pm$ 0.000 χ^2 /NDF:12420011.8/25

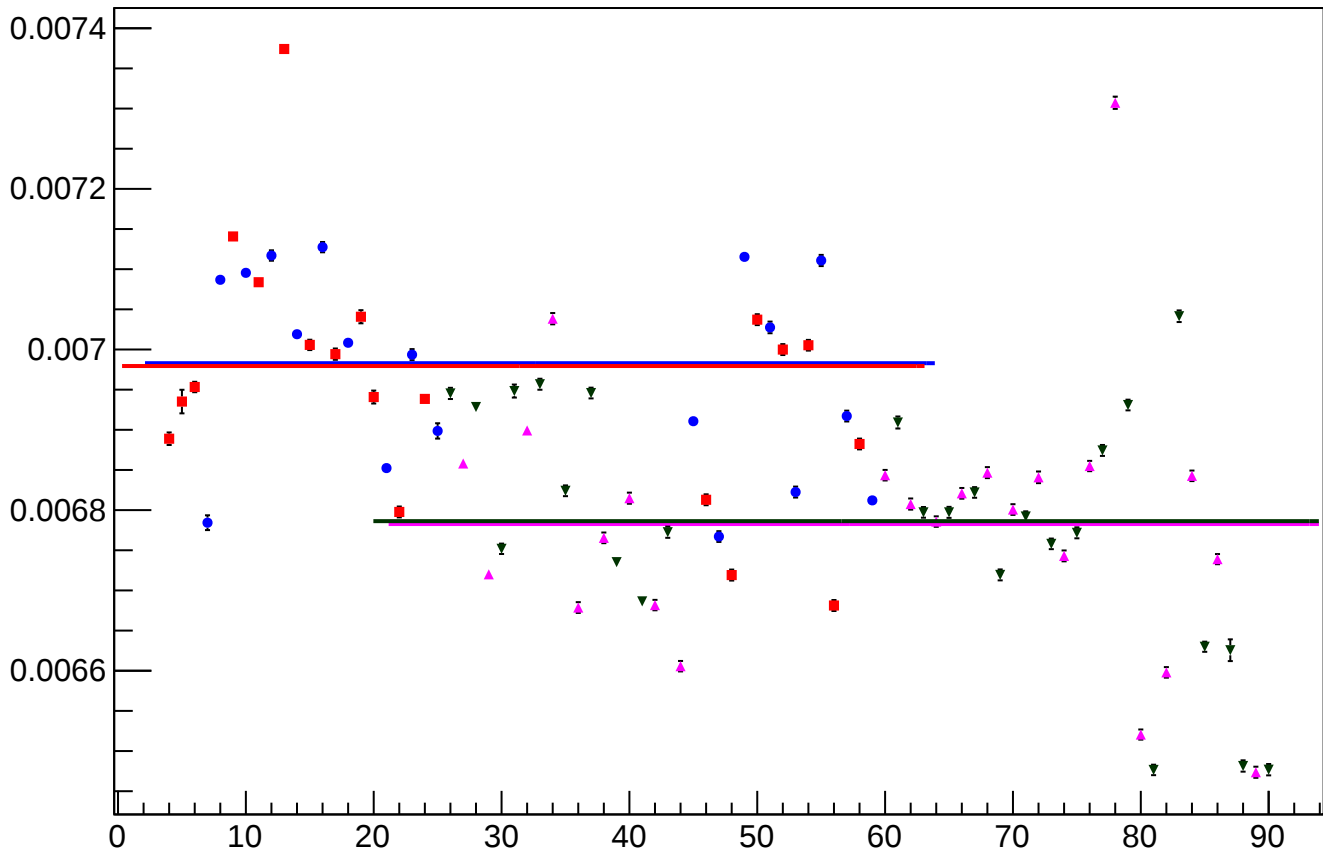
Right Out: 379.041 $\pm$ 0.000 χ^2 /NDF: 46280794.1/18

Left In: 379.040 $\pm$ 0.000 χ^2 /NDF:23439644.9/23

379.040 $\pm$ 0.000 χ^2 /NDF: 46736592.2/43

379.041 $\pm$ 0.000 χ^2 /NDF: 70001809.8/42

yield_cav4dQ_rms vs slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 6696.3/17

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:12210.2/25

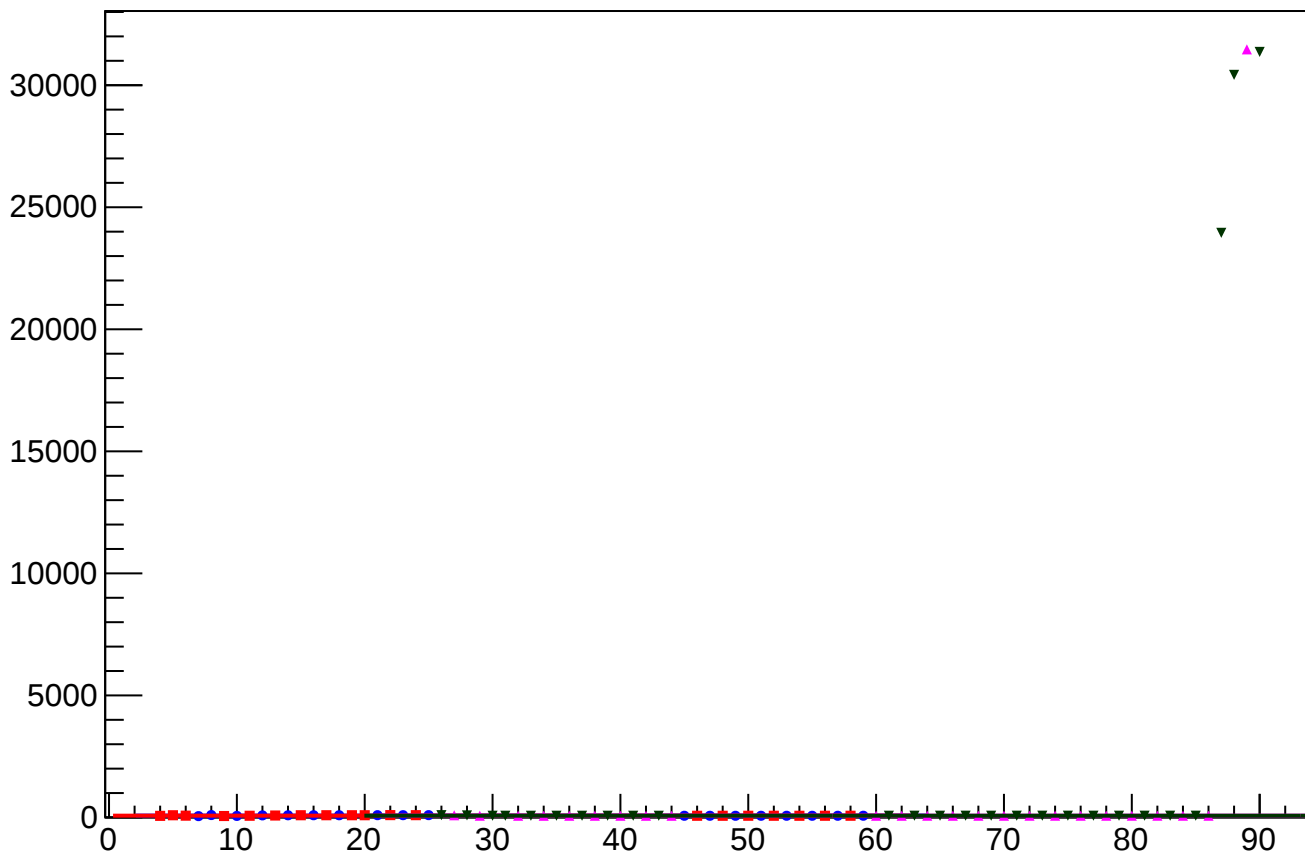
Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 11747.2/18

Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:13248.6/23

0.007 $\pm$ 0.000 χ^2 /NDF: 28731.5/43

0.007 $\pm$ 0.000 χ^2 /NDF: 34301.8/42

yield_bcm0l02_mean vs slug



Right In: 76.061+/-0.000 χ^2/NDF : 20787602024.2/17

Left Out: 72.459+/-0.000 χ^2/NDF : 36218049951.3/25

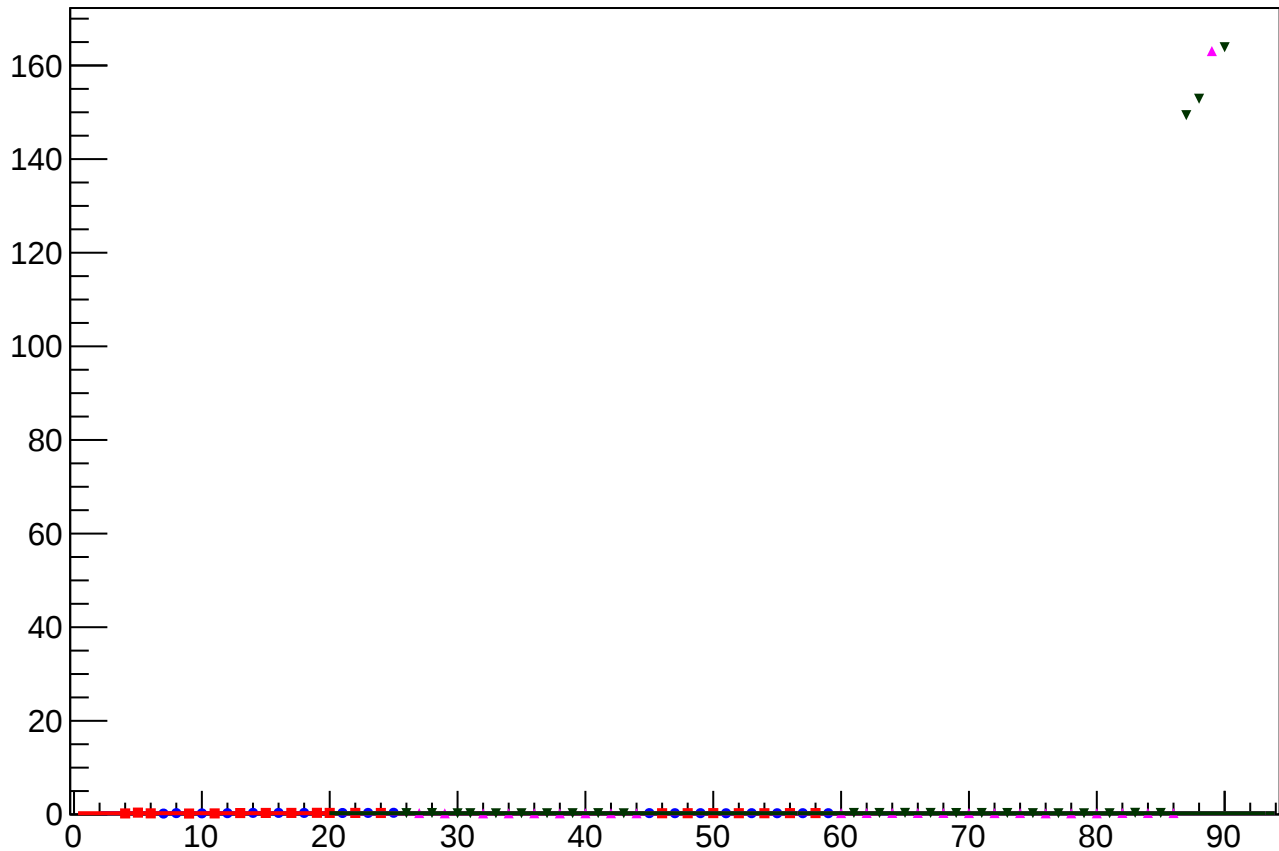
Right Out: 73.439+/-0.000 χ^2/NDF : 14741427319.0/18

Left In: 72.076+/-0.000 χ^2/NDF : 18707035872.8/23

74.171+/-0.000 χ^2/NDF : 57908136420.9/43

72.679+/-0.000 χ^2/NDF : 33577608300.5/42

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 : 2057053.1/25

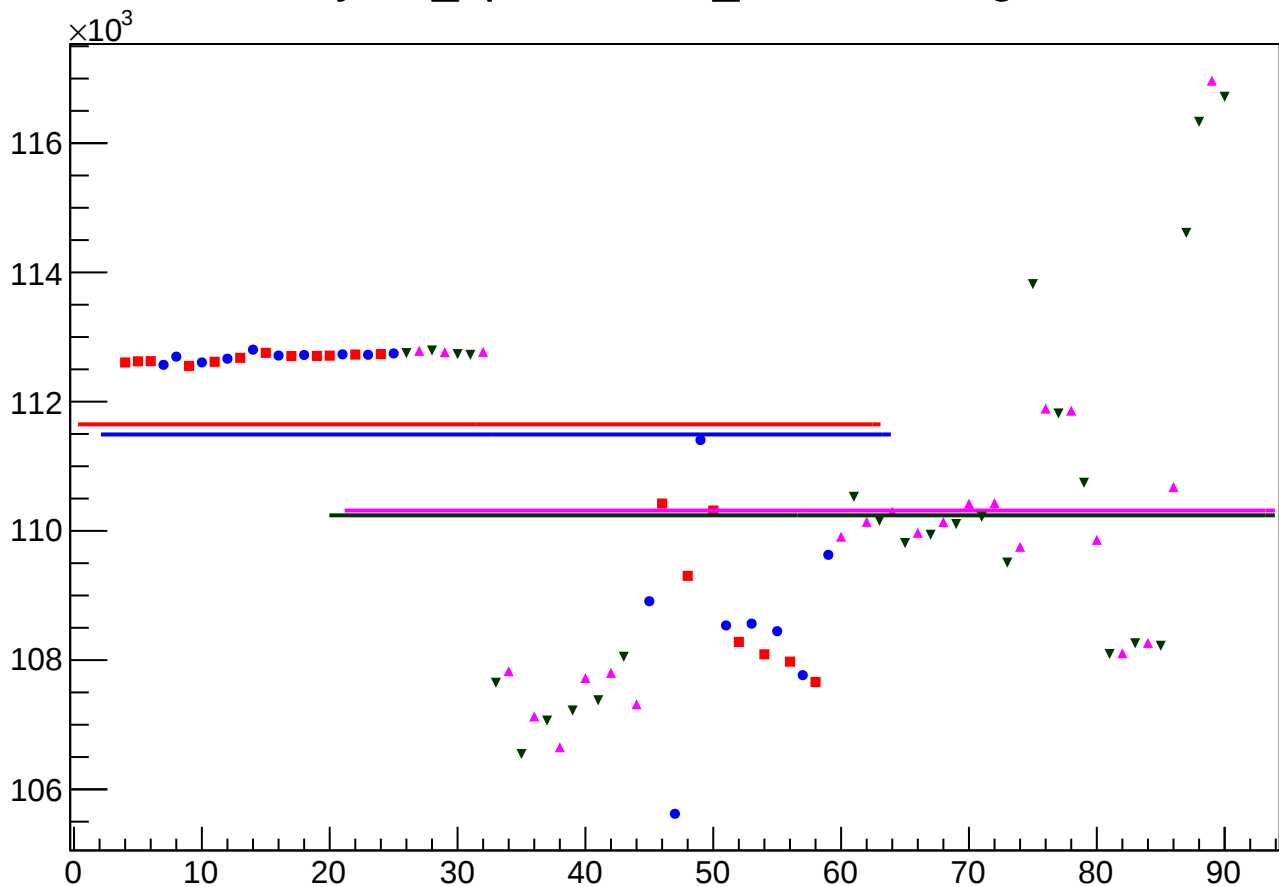
Right Out: 0.265+/-0.000 χ^2/NDF : 503582.7/18

Left In: 0.275+/-0.000 χ^2/NDF : 1123203.8/23

0.277+/-0.000 χ^2/NDF : 2427663.2/43

0.271+/-0.000 χ^2/NDF : 1639870.7/42

yield_bpm2i01WS_mean vs slug



Right In: 111492.185 ± 0.035 $\chi^2/\text{NDF}: 3171680490.6/17$

Left Out: 110240.789 ± 0.037 $\chi^2/\text{NDF}: 5047640471.1/25$

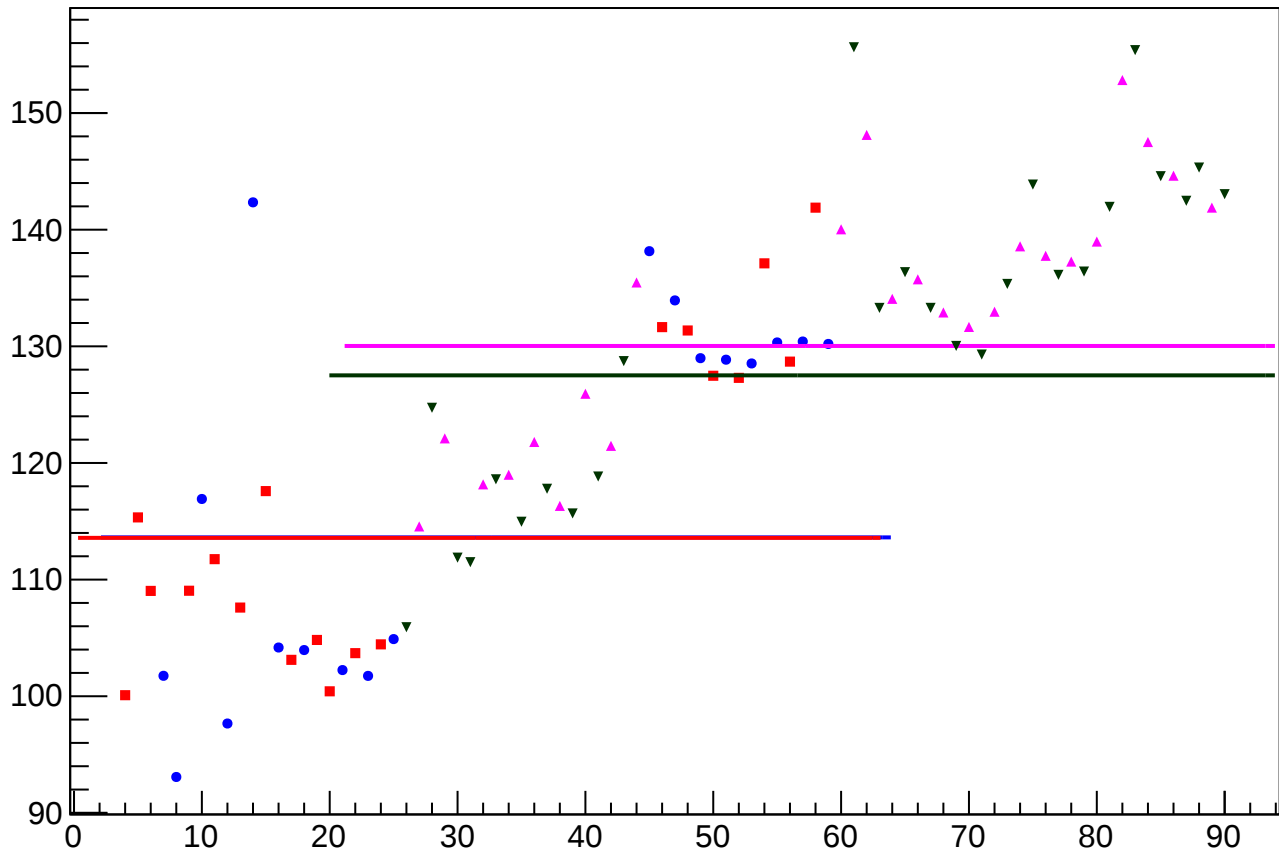
Right Out: 111648.935 ± 0.037 $\chi^2/\text{NDF}: 2298631932.7/18$

Left In: 110315.311 ± 0.037 $\chi^2/\text{NDF}: 3914426040.5/23$

110905.187 ± 0.025 $\chi^2/\text{NDF}: 8820945747.3/43$

110979.069 ± 0.026 $\chi^2/\text{NDF}: 6857369997.3/42$

yield_bpm2i01WS_rms vs slug



Right In: 113.620 $\pm$ 0.025 χ^2 /NDF: 422351.8/17

Left Out: 127.511 $\pm$ 0.026 χ^2 /NDF: 240437.6/25

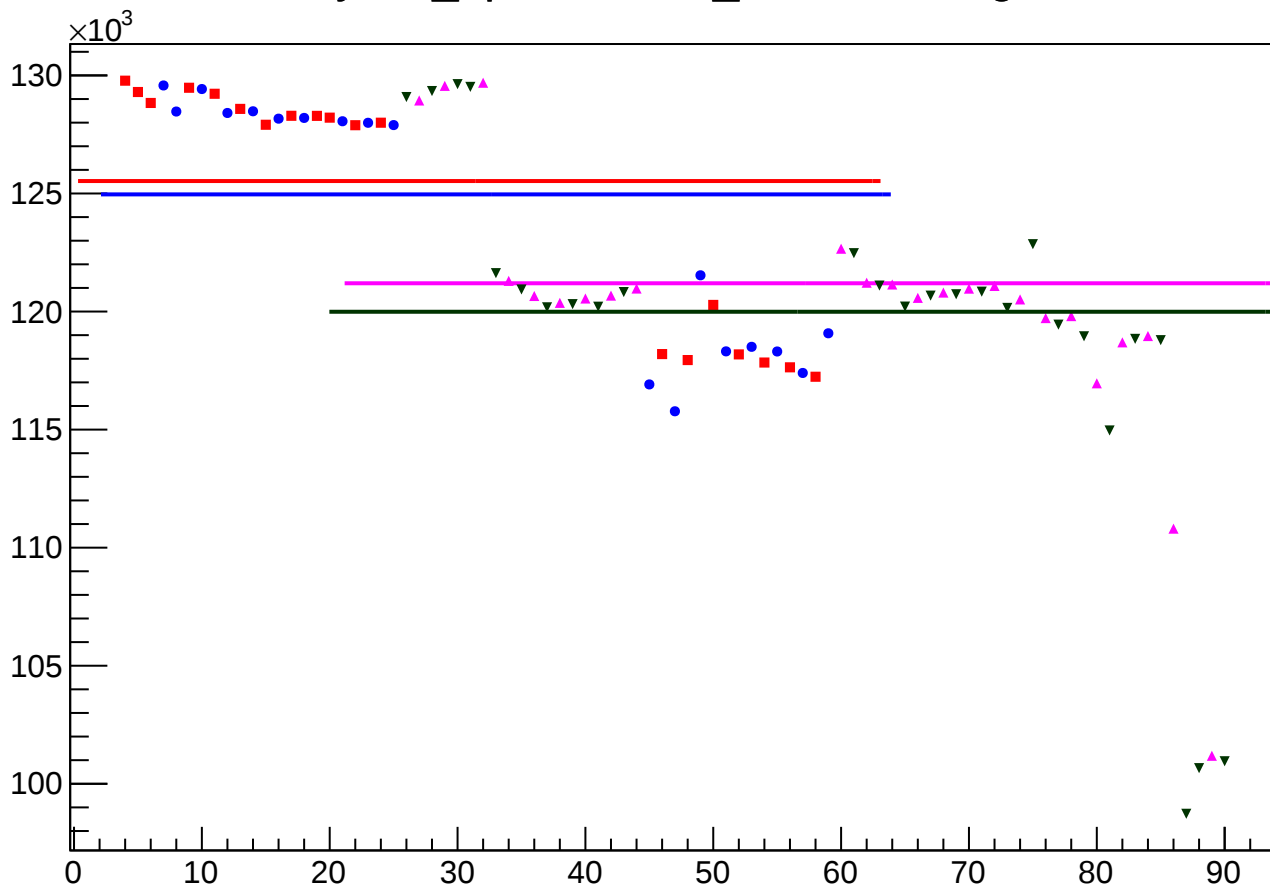
Right Out: 113.579 $\pm$ 0.026 χ^2 /NDF: 206805.2/18

Left In: 130.032 $\pm$ 0.026 χ^2 /NDF: 170136.1/23

120.136 $\pm$ 0.018 χ^2 /NDF: 811072.4/43

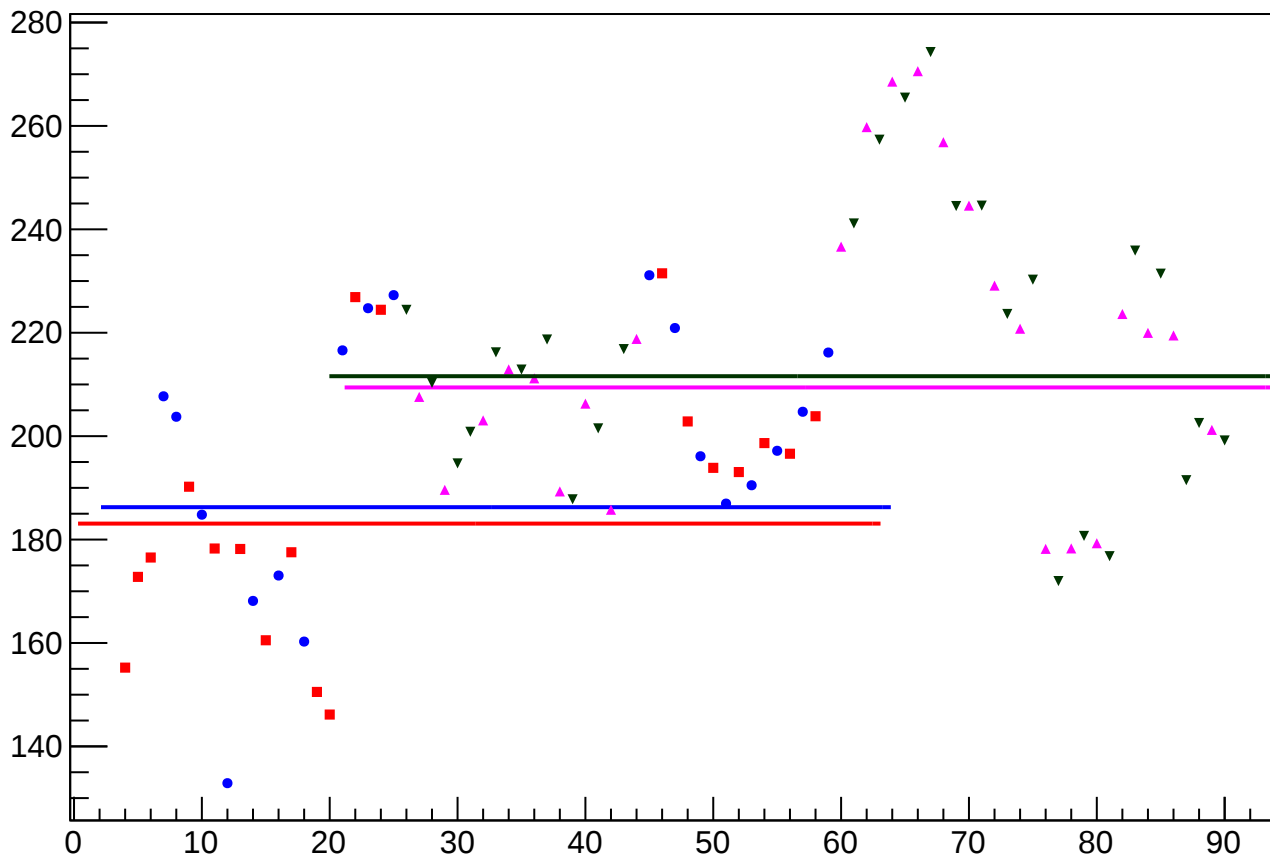
121.843 $\pm$ 0.019 χ^2 /NDF: 573058.9/42

yield_bpm0i07WS_mean vs slug



Right In: 124961.680 $\pm$ 0.057	χ^2 /NDF: 7216201458.1/17	122615.371 $\pm$ 0.041	χ^2 /NDF: 24462758517.2/4
Left Out: 119991.084 $\pm$ 0.060	χ^2 /NDF: 13629925907.9/25		
Right Out: 125527.018 $\pm$ 0.060	χ^2 /NDF: 6545248421.9/18	123316.066 $\pm$ 0.042	χ^2 /NDF: 19637465568.5/4
Left In: 121197.407 $\pm$ 0.058	χ^2 /NDF: 10392376380.7/23		

yield_bpm0i07WS_rms vs slug



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

Left Out: 211.594 ± 0.042 χ^2/NDF : 371022.1/25

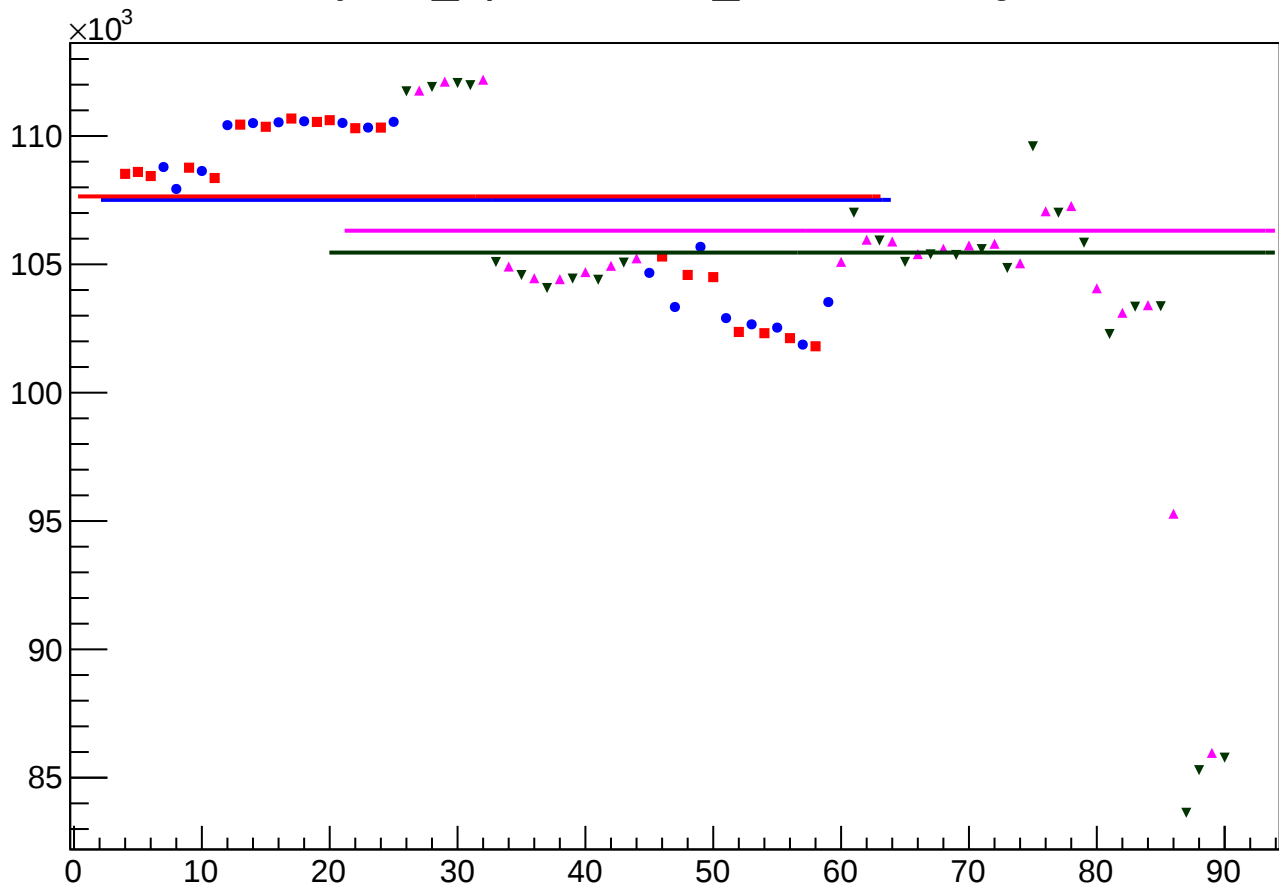
Right Out: 183.088 ± 0.042 χ^2/NDF : 276420.3/18

Left In: 209.421 ± 0.041 χ^2/NDF : 367989.8/23

198.220 ± 0.029 χ^2/NDF : 1021270.4/43

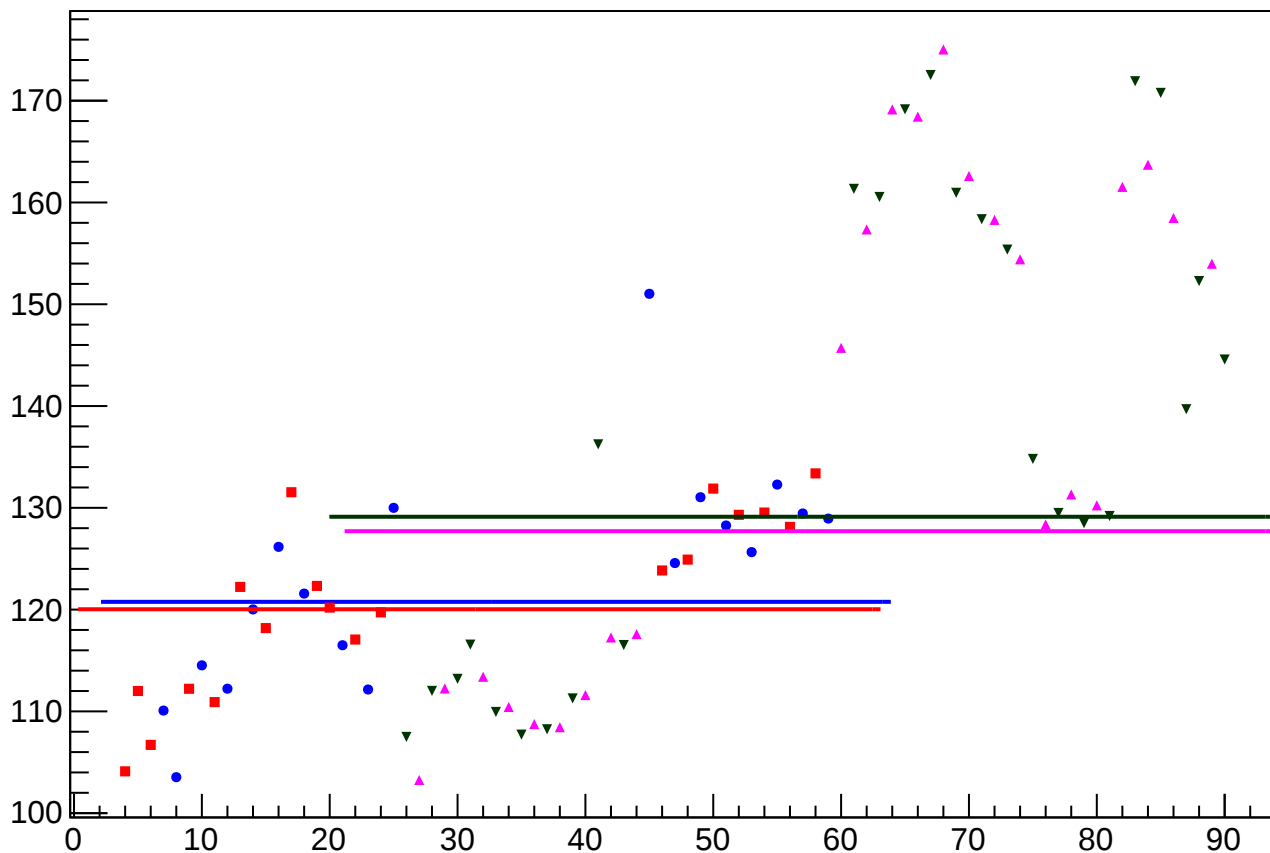
196.536 ± 0.029 χ^2/NDF : 844152.7/42

yield_bpm0l01WS_mean vs slug



Right In: 107511.375 $\pm$ 0.037	χ^2 /NDF: 7545366390.6/17	106495.928 $\pm$ 0.026	χ^2 /NDF: 34307224144.0/4
Left Out: 105458.366 $\pm$ 0.037	χ^2 /NDF: 25204692840.6/25		
Right Out: 107646.372 $\pm$ 0.039	χ^2 /NDF: 6547636060.9/18	106924.425 $\pm$ 0.026	χ^2 /NDF: 25578104597.6/4
Left In: 106310.580 $\pm$ 0.036	χ^2 /NDF: 18393925301.5/23		

yield_bpm0l01WS_rms vs slug



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

Left Out: 129.122 ± 0.026 χ^2/NDF : 701901.0/25

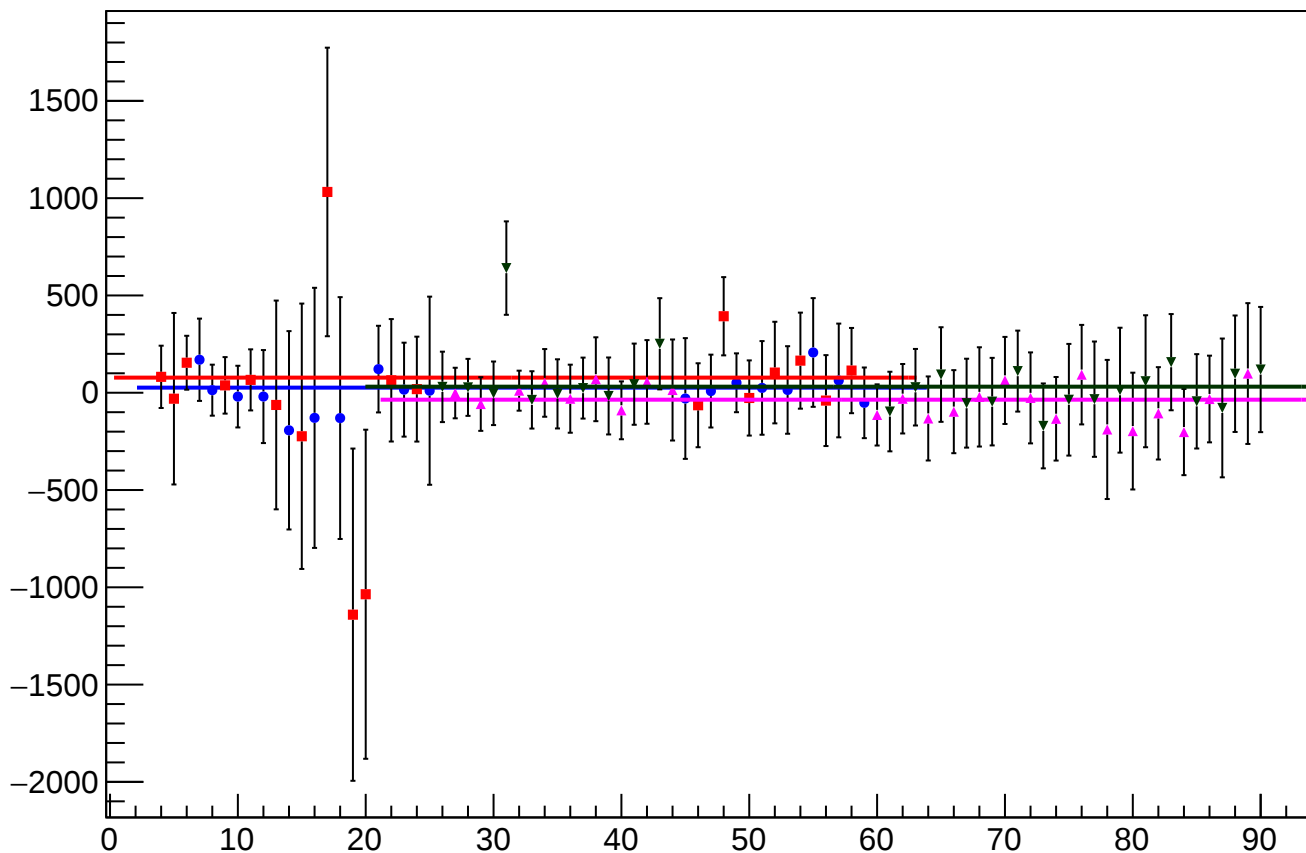
Right Out: 120.035 ± 0.028 χ^2/NDF : 93920.3/18

Left In: 127.702 ± 0.025 χ^2/NDF : 791767.8/23

124.898 ± 0.018 χ^2/NDF : 909258.0/43

124.179 ± 0.019 χ^2/NDF : 927630.9/42

asym_bcm_an_ds_mean vs slug



Right In: 26.246 $\pm$ 52.510 χ^2 /NDF: 1.8/17

Left Out: 31.179 $\pm$ 41.856 χ^2 /NDF:10.1/25

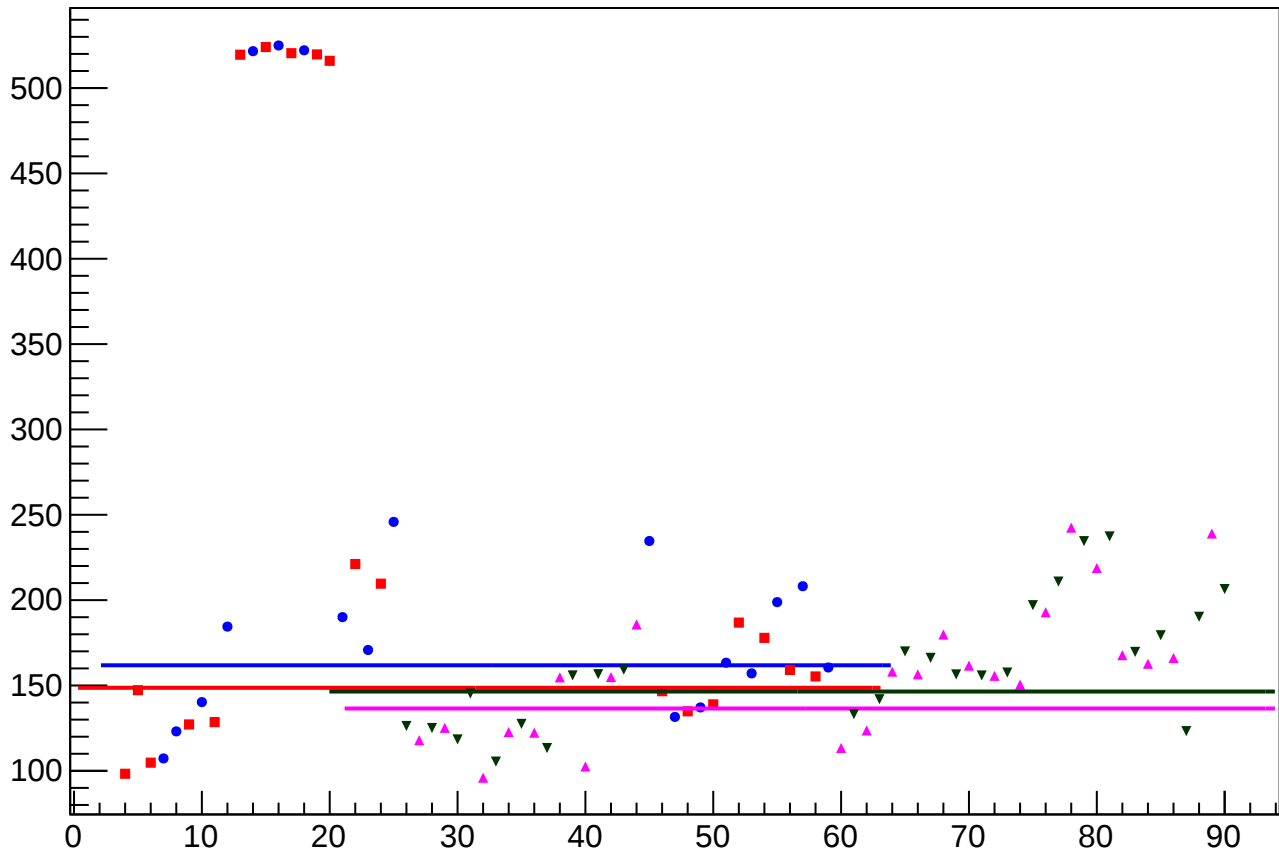
Right Out: 77.703 $\pm$ 52.586 χ^2 /NDF: 9.8/18

Left In: -35.726 $\pm$ 38.748 χ^2 /NDF:3.6/23

29.262 $\pm$ 32.730 χ^2 /NDF: 11.9/43

4.188 $\pm$ 31.194 χ^2 /NDF: 16.4/42

asym_bcm_an_ds_rms vs slug



Right In: 161.835+/-0.037 χ^2/NDF : 3018868.1/17

Left Out: 146.455+/-0.030 χ^2/NDF :1091826.9/25

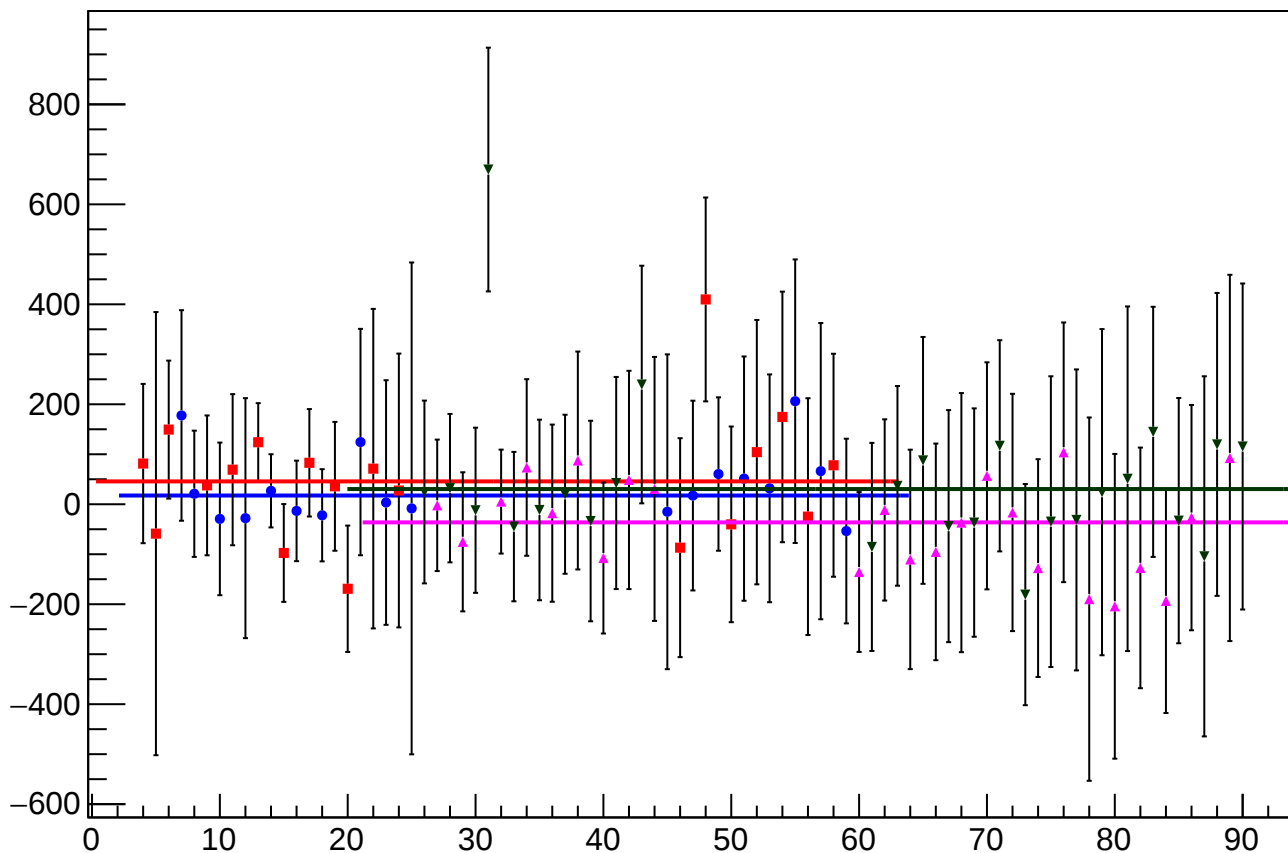
152.430+/-0.023 χ^2/NDF : 4215606.1/43

Right Out: 148.646+/-0.037 χ^2/NDF : 3594583.0/18

140.785+/-0.022 χ^2/NDF : 5137611.8/42

Left In: 136.516+/-0.027 χ^2/NDF :1474056.2/23

asym_bcm_an_ds3_mean vs slug



Right In: 17.458 $\pm$ 36.313 χ^2 /NDF: 2.0/17

Left Out: 30.395 $\pm$ 42.455 χ^2 /NDF:10.4/25

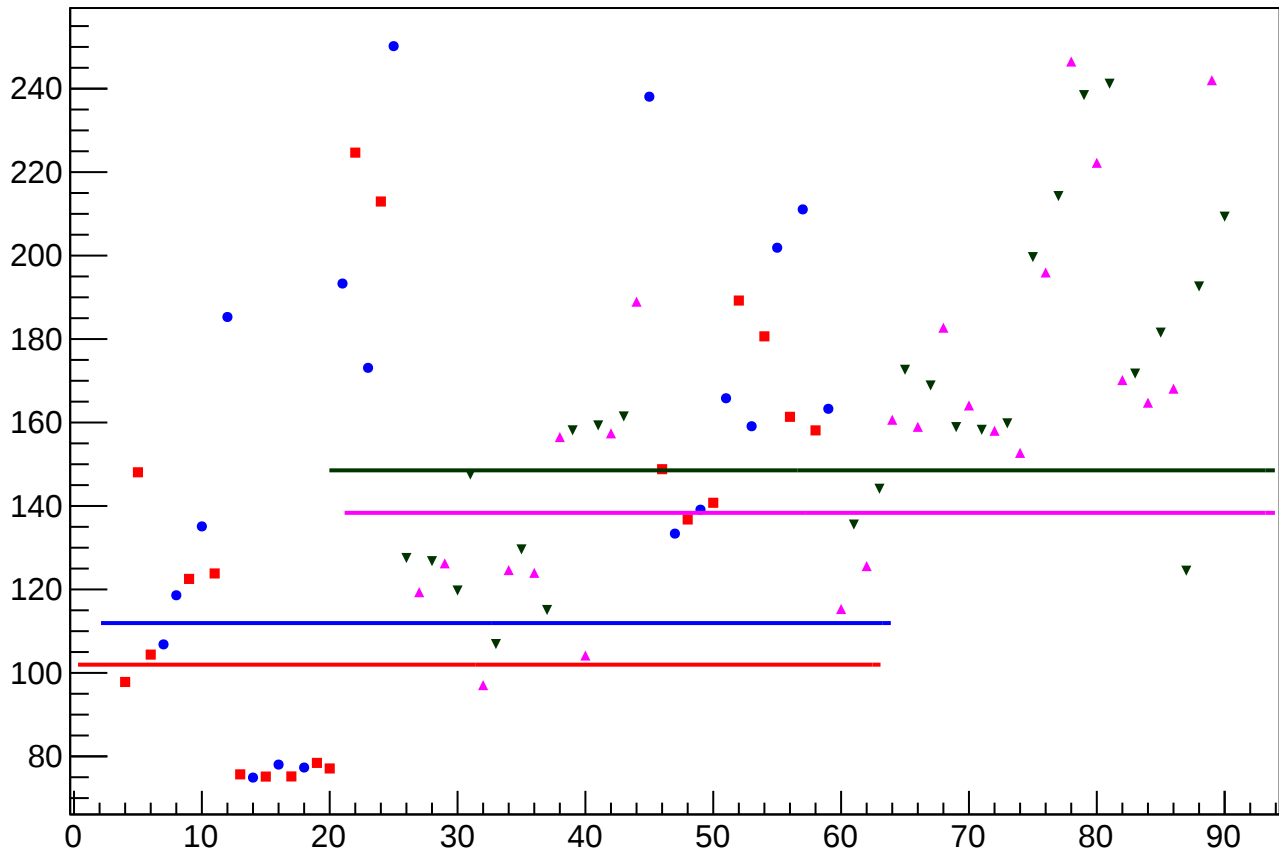
Right Out: 45.735 $\pm$ 34.677 χ^2 /NDF: 11.0/18

Left In: -36.275 $\pm$ 39.280 χ^2 /NDF:3.9/23

22.924 $\pm$ 27.596 χ^2 /NDF: 12.4/43

9.814 $\pm$ 25.996 χ^2 /NDF: 17.4/42

asym_bcm_an_ds3_rms vs slug



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

Left Out: 148.536 $\pm$ 0.030 χ^2 /NDF:1095556.1/25

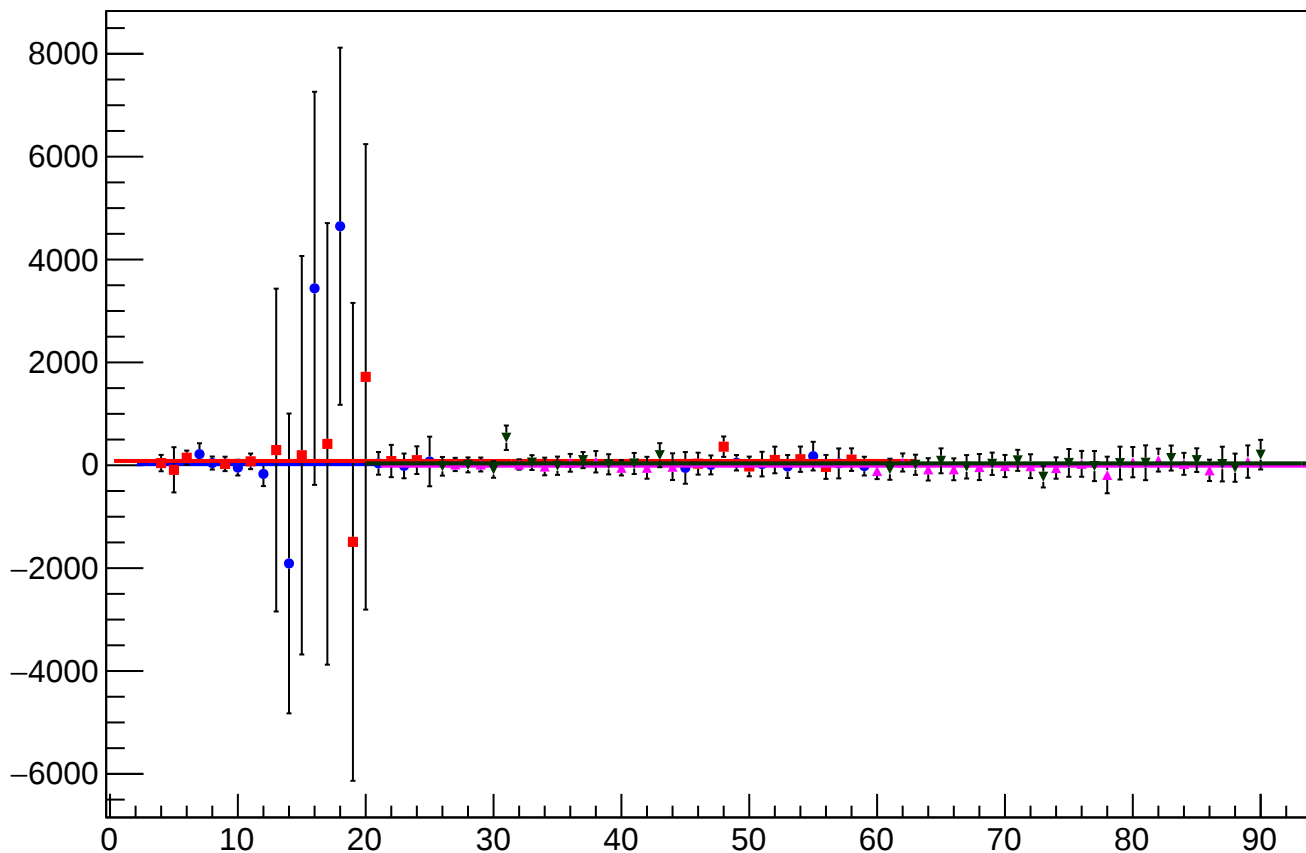
Right Out: 101.974 $\pm$ 0.025 χ^2 /NDF: 2271871.2/18

Left In: 138.355 $\pm$ 0.028 χ^2 /NDF:1483936.5/23

127.403 $\pm$ 0.020 χ^2 /NDF: 4926417.5/43

117.909 $\pm$ 0.018 χ^2 /NDF: 4720043.3/42

asym_bcm_an_us_mean vs slug



Right In: 21.772 $\pm$ 52.365 χ^2 /NDF: 5.3/17

Left Out: 37.477 $\pm$ 41.145 χ^2 /NDF: 8.6/25

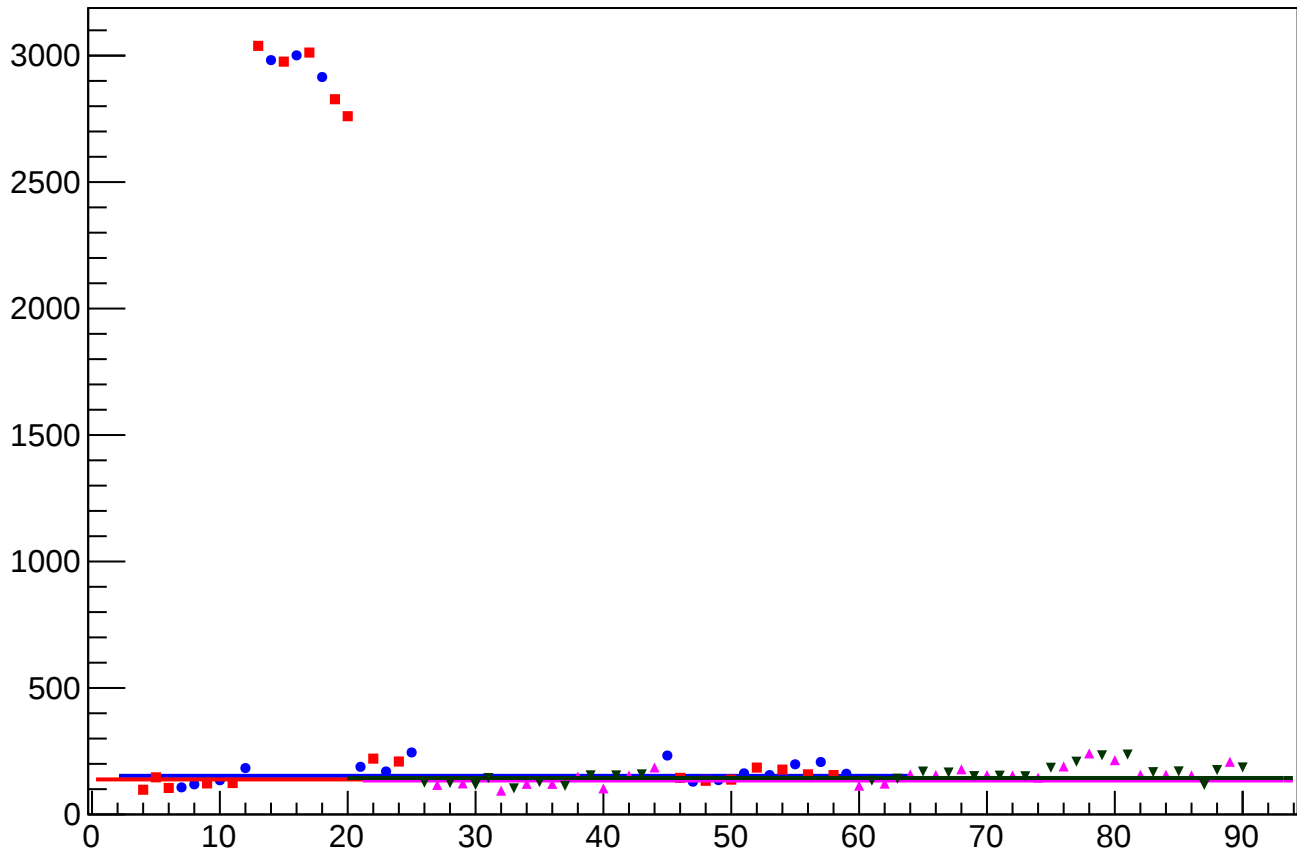
Right Out: 84.092 $\pm$ 52.636 χ^2 /NDF: 3.5/18

Left In: -8.429 $\pm$ 38.048 χ^2 /NDF: 2.2/23

31.482 $\pm$ 32.353 χ^2 /NDF: 13.9/43

23.324 $\pm$ 30.836 χ^2 /NDF: 7.7/42

asym_bcm_an_us_rms vs slug



Right In: 152.628+/-0.037 χ^2/NDF : 5017627.8/17

Left Out: 144.171+/-0.029 χ^2/NDF : 1021004.0/25

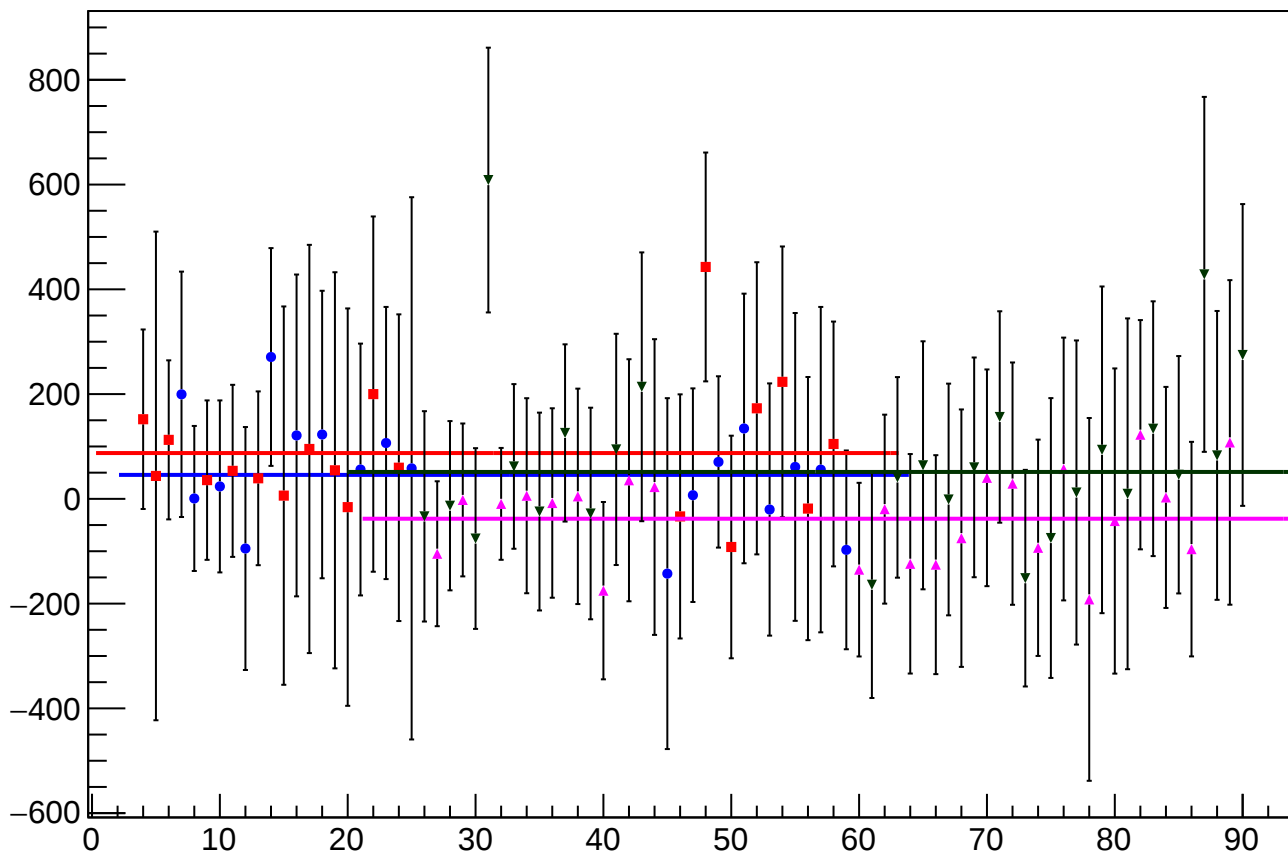
147.399+/-0.023 χ^2/NDF : 6070885.1/43

Right Out: 138.455+/-0.037 χ^2/NDF : 5734578.9/18

135.738+/-0.022 χ^2/NDF : 7123209.1/42

Left In: 134.318+/-0.027 χ^2/NDF : 1380515.8/23

asym_bcm_dg_us_mean vs slug



Right In: 45.739 ± 52.604 $\chi^2/\text{NDF}: 3.4/17$

Left Out: 51.370 ± 42.677 $\chi^2/\text{NDF}: 11.2/25$

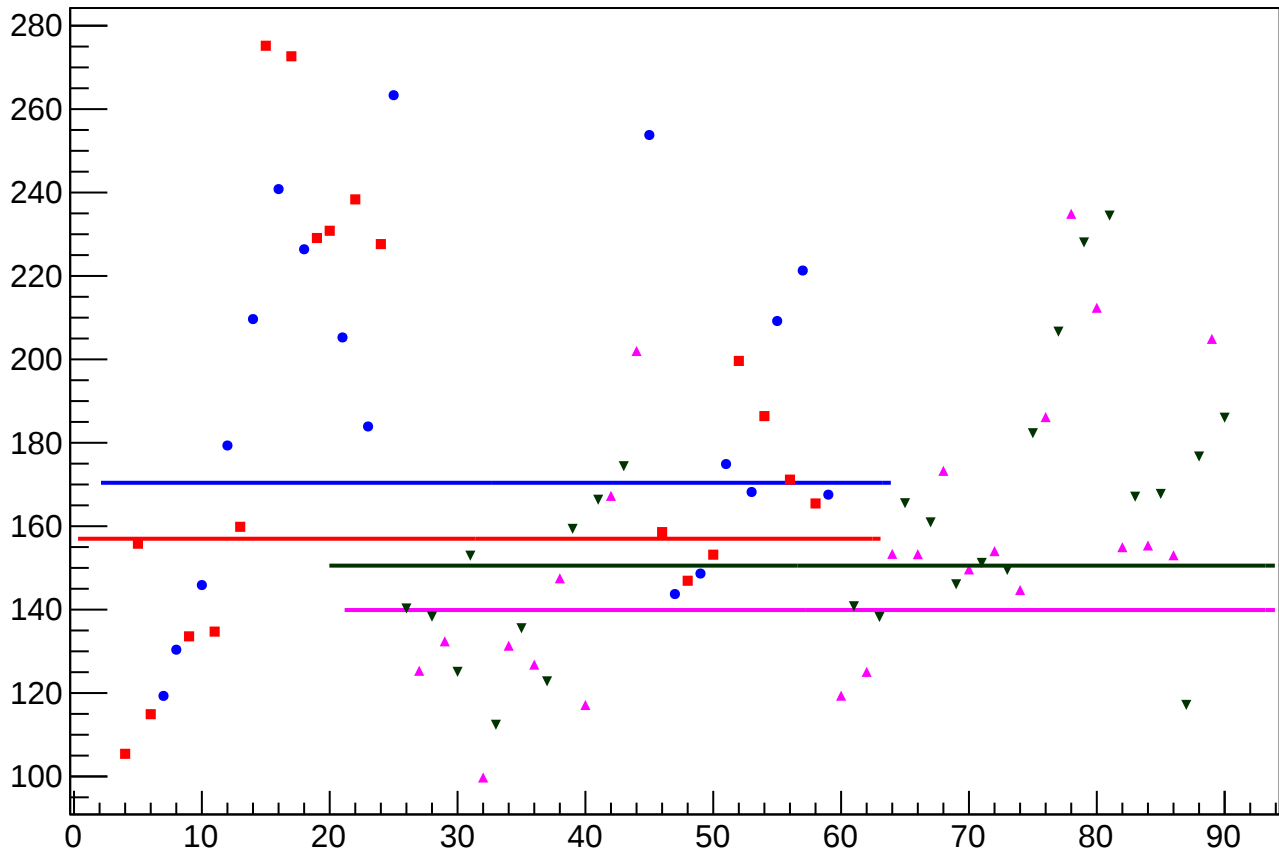
Right Out: 87.434 ± 51.940 $\chi^2/\text{NDF}: 4.9/18$

Left In: -37.935 ± 39.386 $\chi^2/\text{NDF}: 3.5/23$

49.135 ± 33.142 $\chi^2/\text{NDF}: 14.7/43$

7.835 ± 31.383 $\chi^2/\text{NDF}: 12.1/42$

asym_bcm_dg_us_rms vs slug



Right In: 170.412 $\pm$ 0.037 χ^2 /NDF: 964671.4/17

Left Out: 150.549 $\pm$ 0.030 χ^2 /NDF:742269.5/25

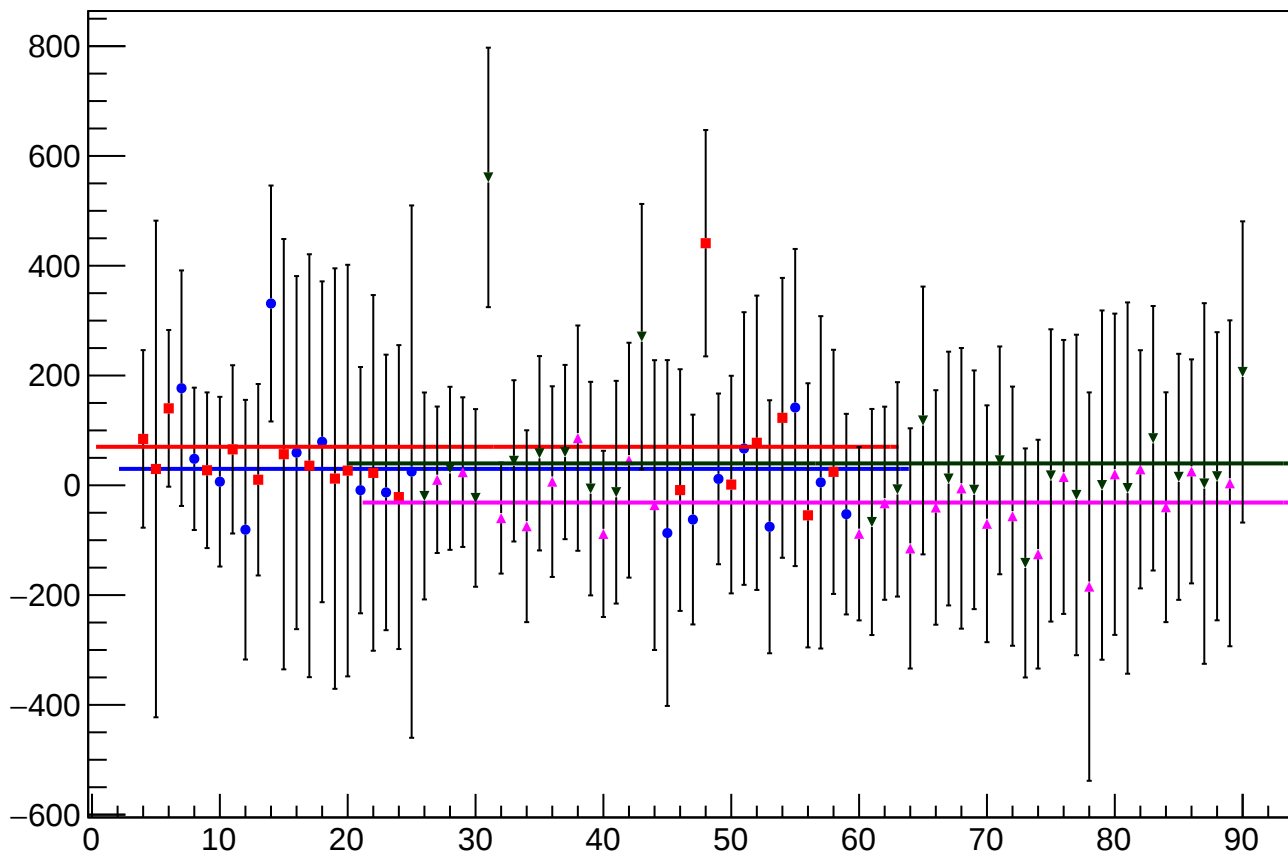
158.433 $\pm$ 0.023 χ^2 /NDF: 1878910.8/43

Right Out: 156.997 $\pm$ 0.037 χ^2 /NDF: 1276447.5/18

146.143 $\pm$ 0.022 χ^2 /NDF: 2472016.3/42

Left In: 139.902 $\pm$ 0.028 χ^2 /NDF:1058008.4/23

asym_bcm_dg_ds_mean vs slug



Right In: 29.919 ± 50.591 $\chi^2/\text{NDF}: 3.8/17$

Left Out: 39.882 ± 41.285 $\chi^2/\text{NDF}: 7.9/25$

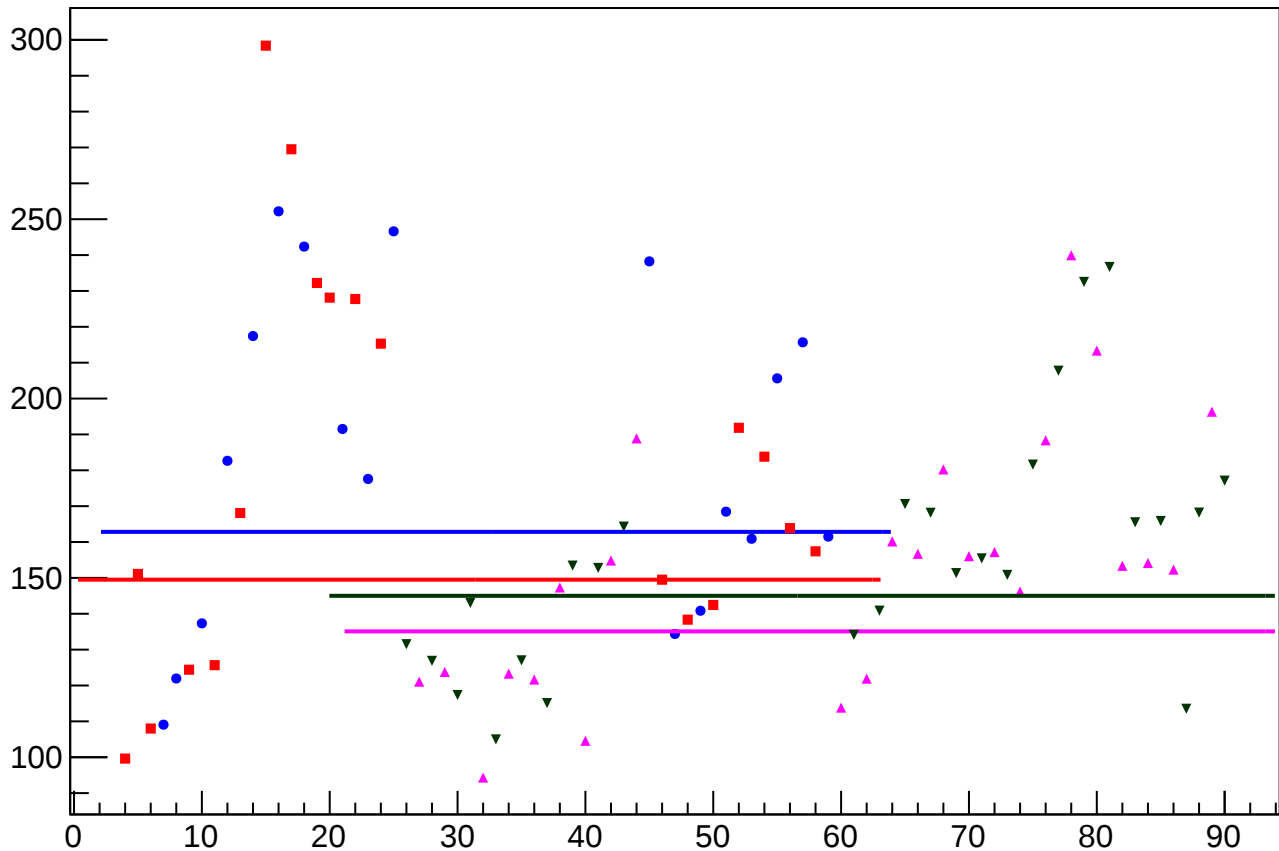
Right Out: 70.155 ± 49.782 $\chi^2/\text{NDF}: 4.5/18$

Left In: -31.436 ± 38.196 $\chi^2/\text{NDF}: 2.0/23$

35.899 ± 31.986 $\chi^2/\text{NDF}: 11.7/43$

6.209 ± 30.304 $\chi^2/\text{NDF}: 9.1/42$

asym_bcm_dg_ds_rms vs slug



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

Left Out: 145.004+/-0.029 χ^2/NDF :936863.1/25

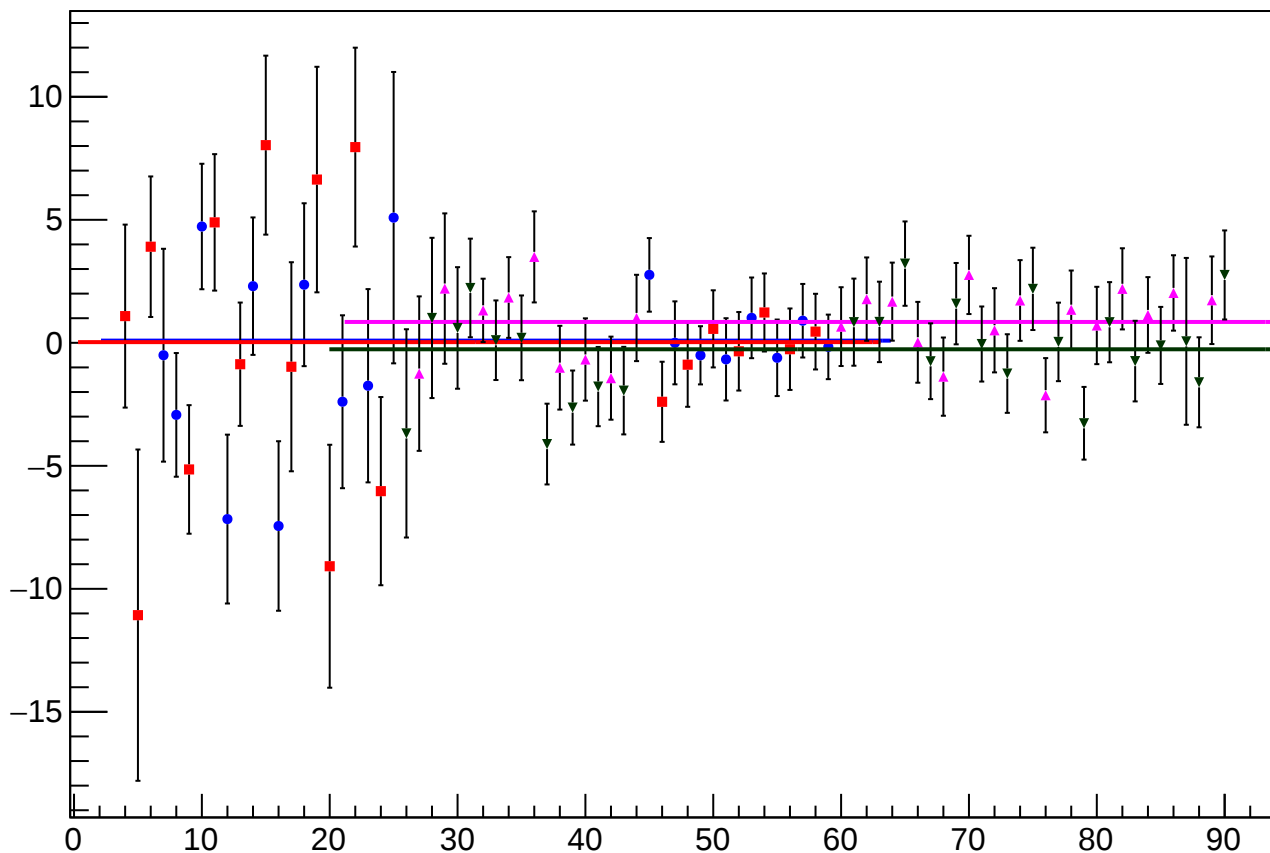
152.131+/-0.023 χ^2/NDF : 2314994.8/43

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

140.433+/-0.021 χ^2/NDF : 2905263.5/42

Left In: 135.091+/-0.027 χ^2/NDF :1308998.5/23

asym_cav4bQ_mean vs slug



Right In: 0.089 ± 0.466 χ^2/NDF : 21.1/17

Left Out: -0.263 ± 0.343 χ^2/NDF : 29.3/25

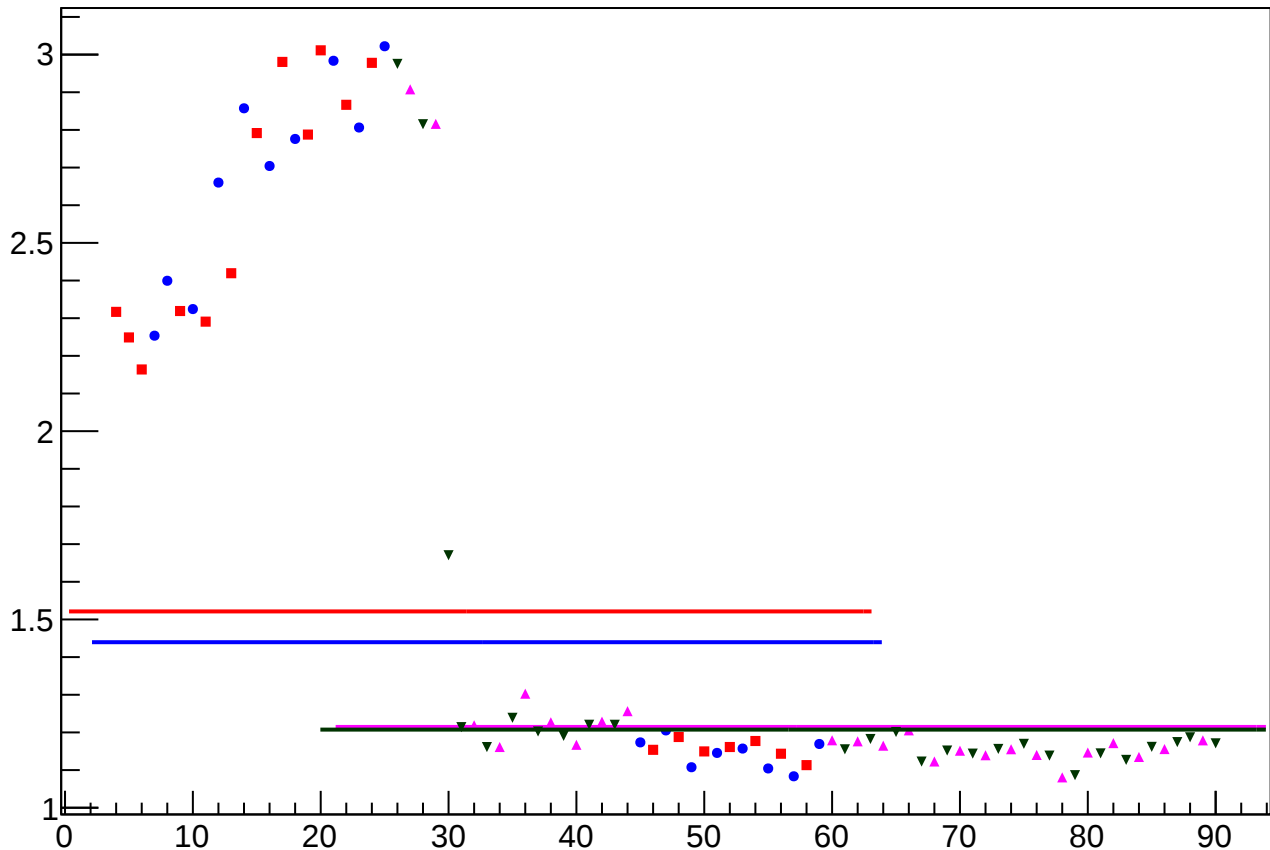
Right Out: 0.028 ± 0.520 χ^2/NDF : 31.9/18

Left In: 0.848 ± 0.340 χ^2/NDF : 17.2/23

-0.139 ± 0.276 χ^2/NDF : 50.7/43

0.602 ± 0.285 χ^2/NDF : 50.8/42

asym_cav4bQ_rms vs slug



Right In: 1.440+/-0.000 χ^2/NDF : 3409388.4/17

Left Out: 1.207+/-0.000 χ^2/NDF :954186.7/25

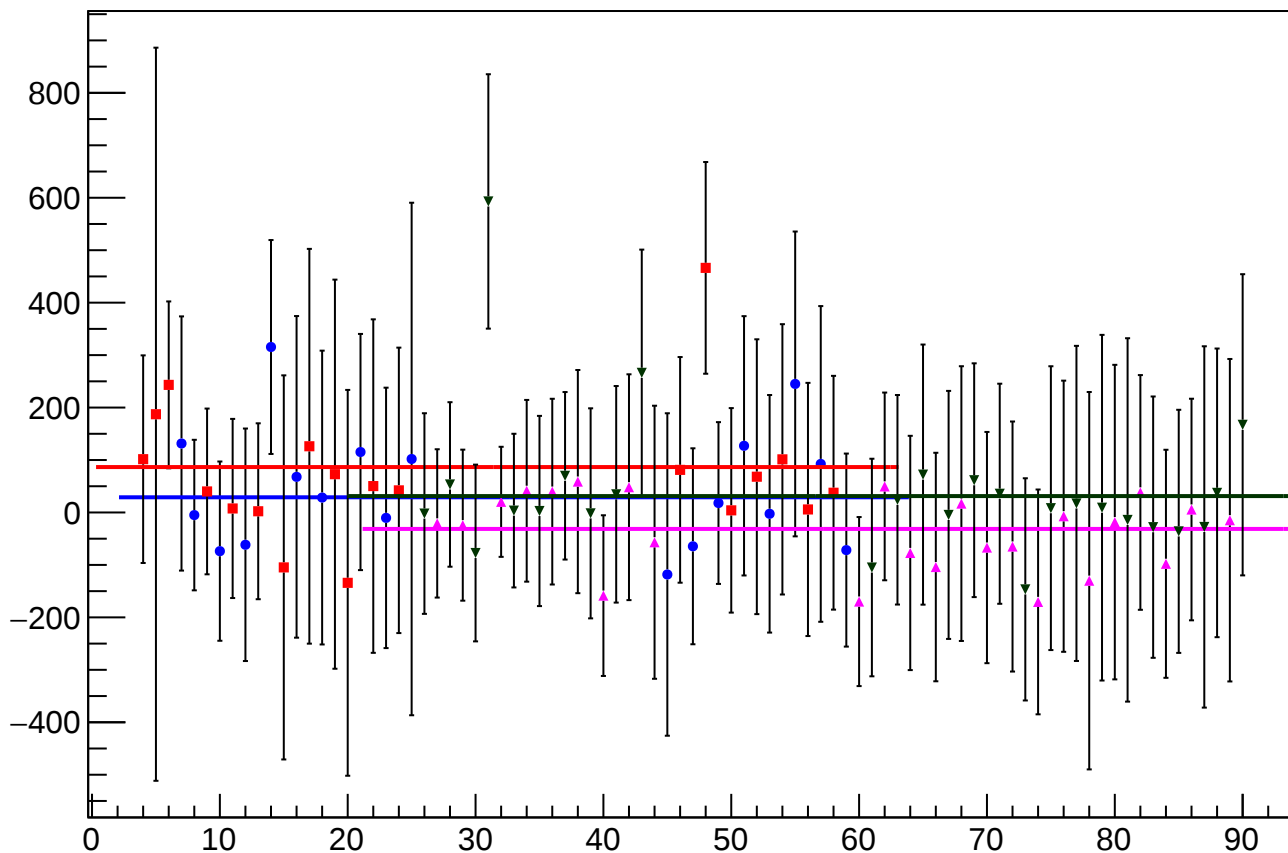
1.289+/-0.000 χ^2/NDF : 4685692.2/43

Right Out: 1.521+/-0.000 χ^2/NDF : 2870549.2/18

1.307+/-0.000 χ^2/NDF : 4552265.6/42

Left In: 1.215+/-0.000 χ^2/NDF :1193907.2/23

asym_cav4cQ_mean vs slug



Right In: 28.930 ± 51.478 χ^2/NDF : 4.5/17

Left Out: 31.241 ± 42.205 χ^2/NDF : 8.6/25

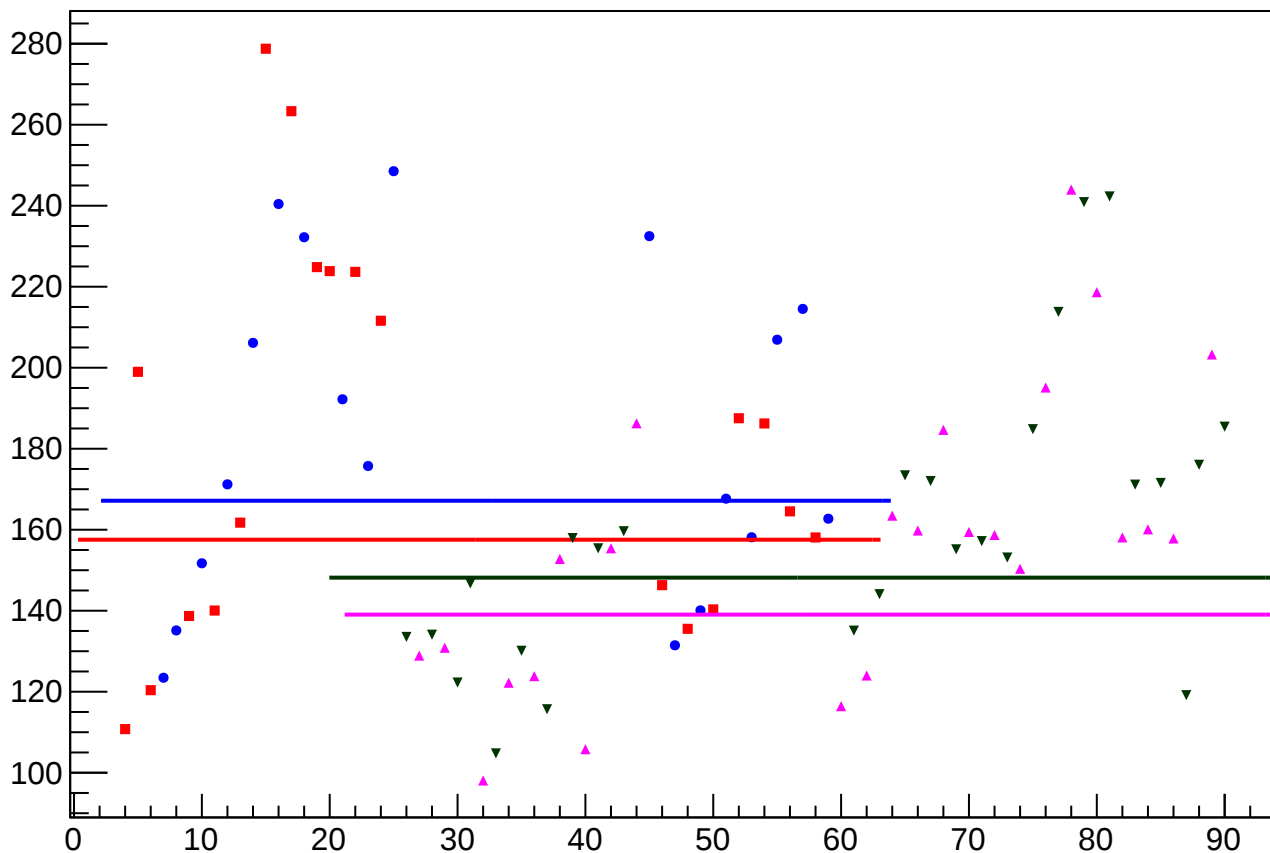
Right Out: 86.558 ± 52.059 χ^2/NDF : 6.1/18

Left In: -31.373 ± 39.261 χ^2/NDF : 3.5/23

30.312 ± 32.638 χ^2/NDF : 13.1/43

11.384 ± 31.346 χ^2/NDF : 12.9/42

asym_cav4cQ_rms vs slug



Right In: 167.159 ± 0.036 $\chi^2/\text{NDF}: 875808.6/17$

Left Out: 148.170 ± 0.030 $\chi^2/\text{NDF}: 965943.6/25$

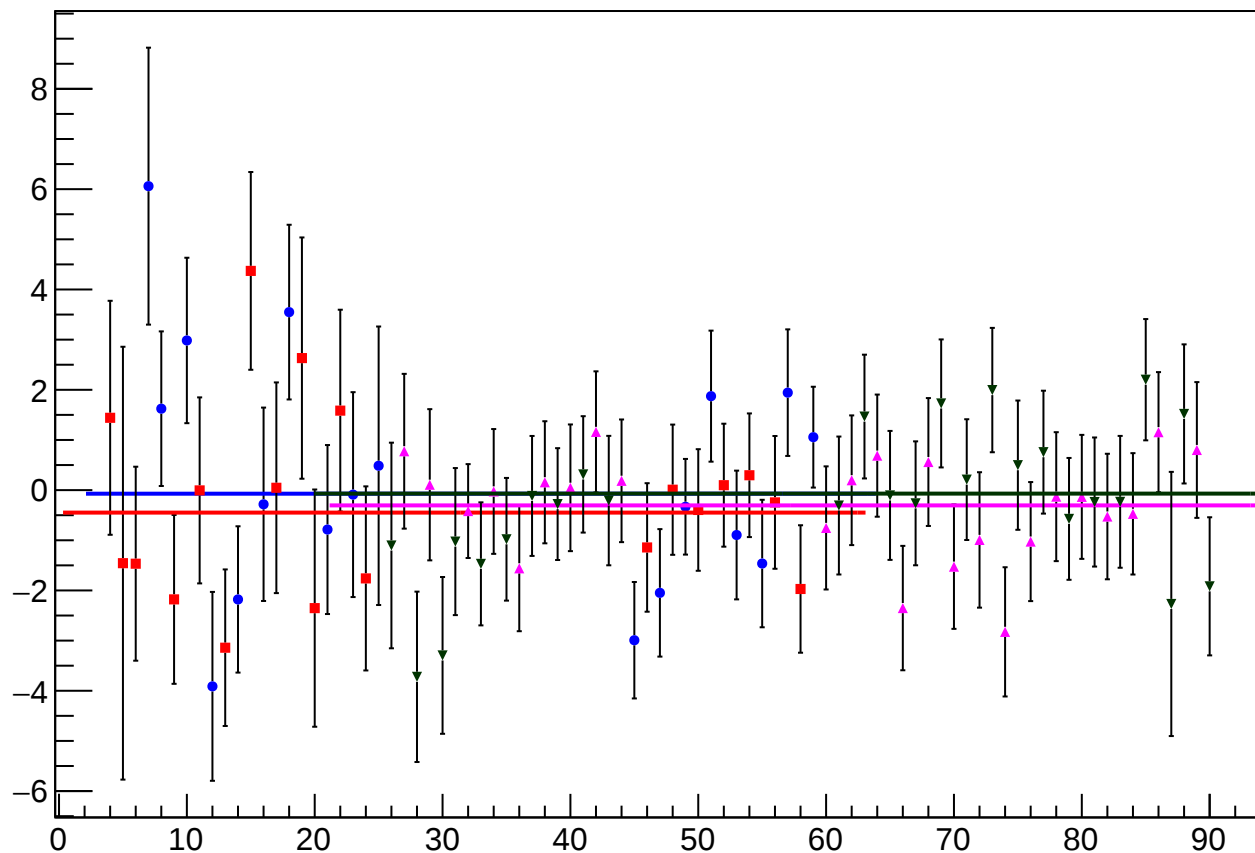
155.803 ± 0.023 $\chi^2/\text{NDF}: 2004493.5/43$

Right Out: 157.534 ± 0.037 $\chi^2/\text{NDF}: 1049684.2/18$

145.744 ± 0.022 $\chi^2/\text{NDF}: 2479934.0/42$

Left In: 139.038 ± 0.028 $\chi^2/\text{NDF}: 1269322.2/23$

asym_cav4dQ_mean vs slug



Right In: -0.071 ± 0.335 χ^2/NDF : 36.8/17

Left Out: -0.069 ± 0.258 χ^2/NDF : 26.2/25

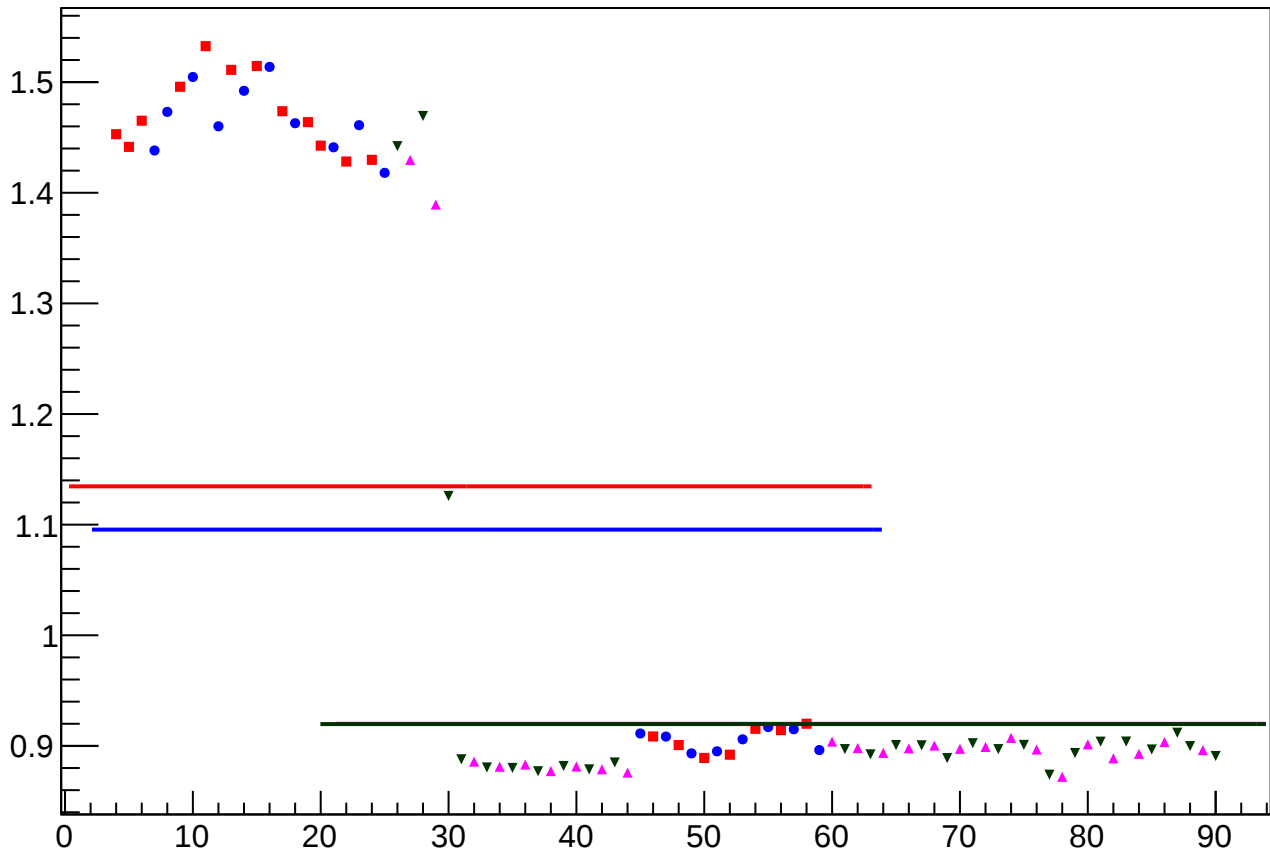
Right Out: -0.448 ± 0.369 χ^2/NDF : 17.4/18

Left In: -0.304 ± 0.254 χ^2/NDF : 15.3/23

-0.070 ± 0.204 χ^2/NDF : 63.0/43

-0.351 ± 0.209 χ^2/NDF : 32.8/42

asym_cav4dQ_rms vs slug



Right In: 1.096+/-0.000 χ^2/NDF : 1288766.9/17

Left Out: 0.920+/-0.000 χ^2/NDF : 399577.2/25

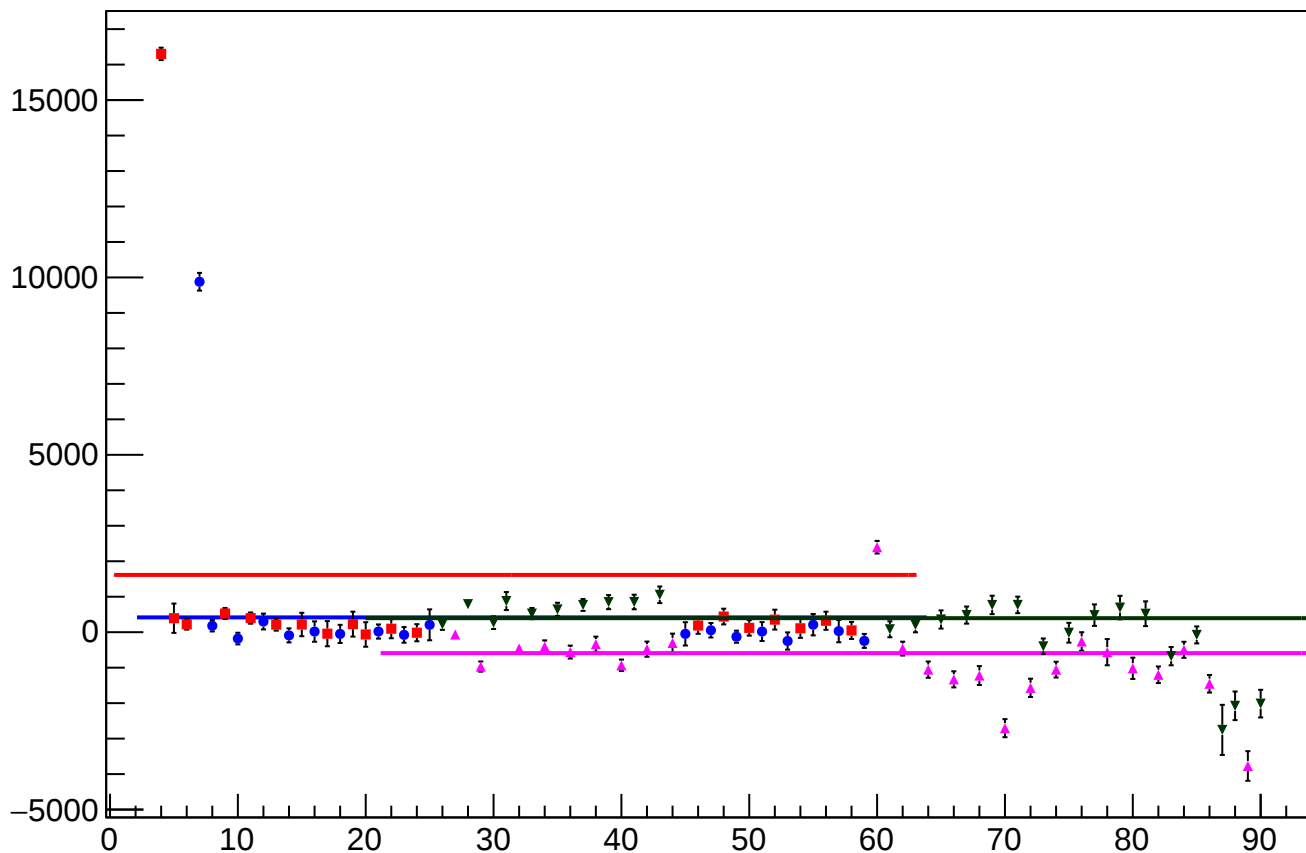
0.985+/-0.000 χ^2/NDF : 2033582.7/43

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

0.989+/-0.000 χ^2/NDF : 2059895.3/42

Left In: 0.920+/-0.000 χ^2/NDF : 439373.2/23

asym_bcm0l02_mean vs slug



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

Left Out: 395.424+/-43.640 χ^2/NDF : 178.7/25

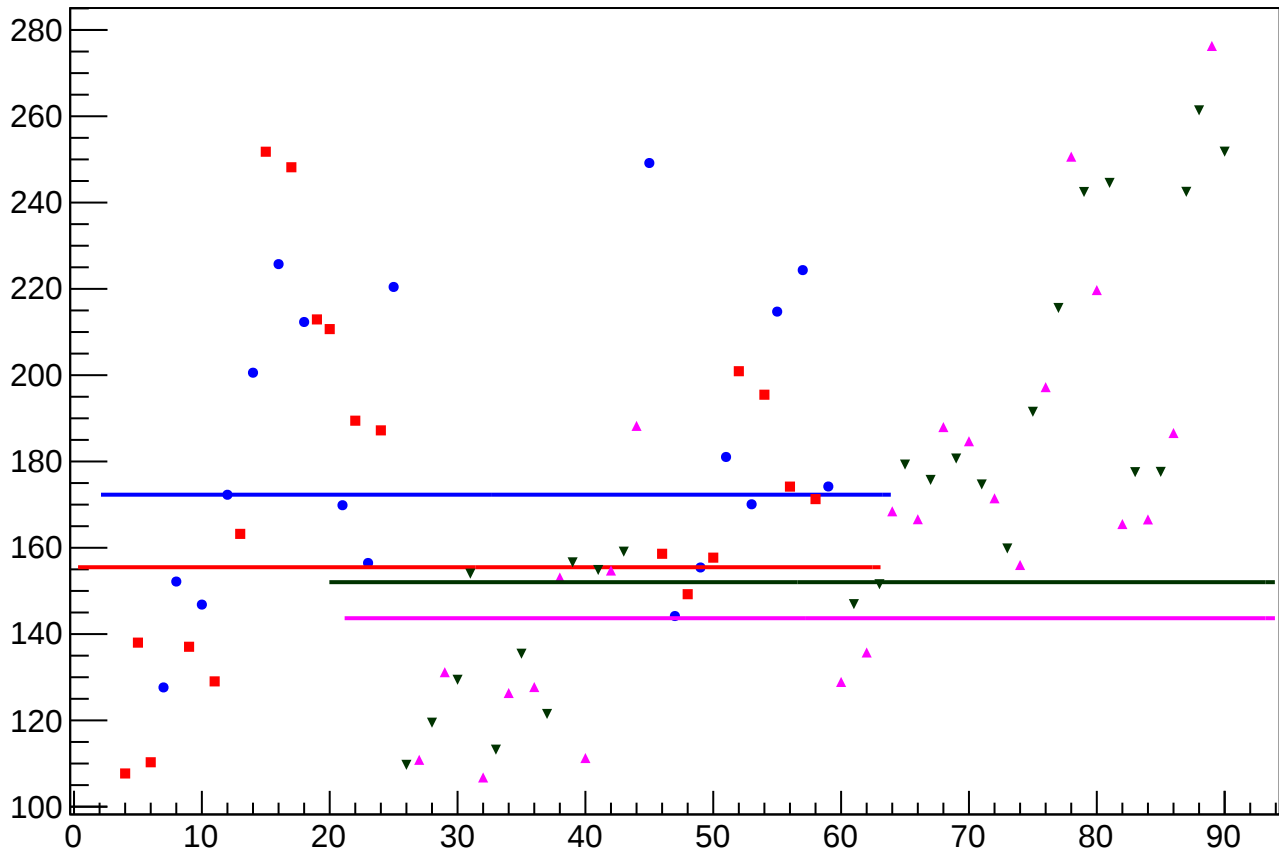
Right Out: 1614.499+/-51.138 χ^2/NDF : 7665.3/18

Left In: -589.416+/-40.646 χ^2/NDF : 505.5/23

404.289+/-33.595 χ^2/NDF : 1686.7/43

263.852+/-31.819 χ^2/NDF : 9309.1/42

asym_bcm0l02_rms vs slug



Right In: 172.303 ± 0.037 χ^2/NDF : 600813.3/17

Left Out: 152.031 ± 0.031 χ^2/NDF : 1348351.1/25

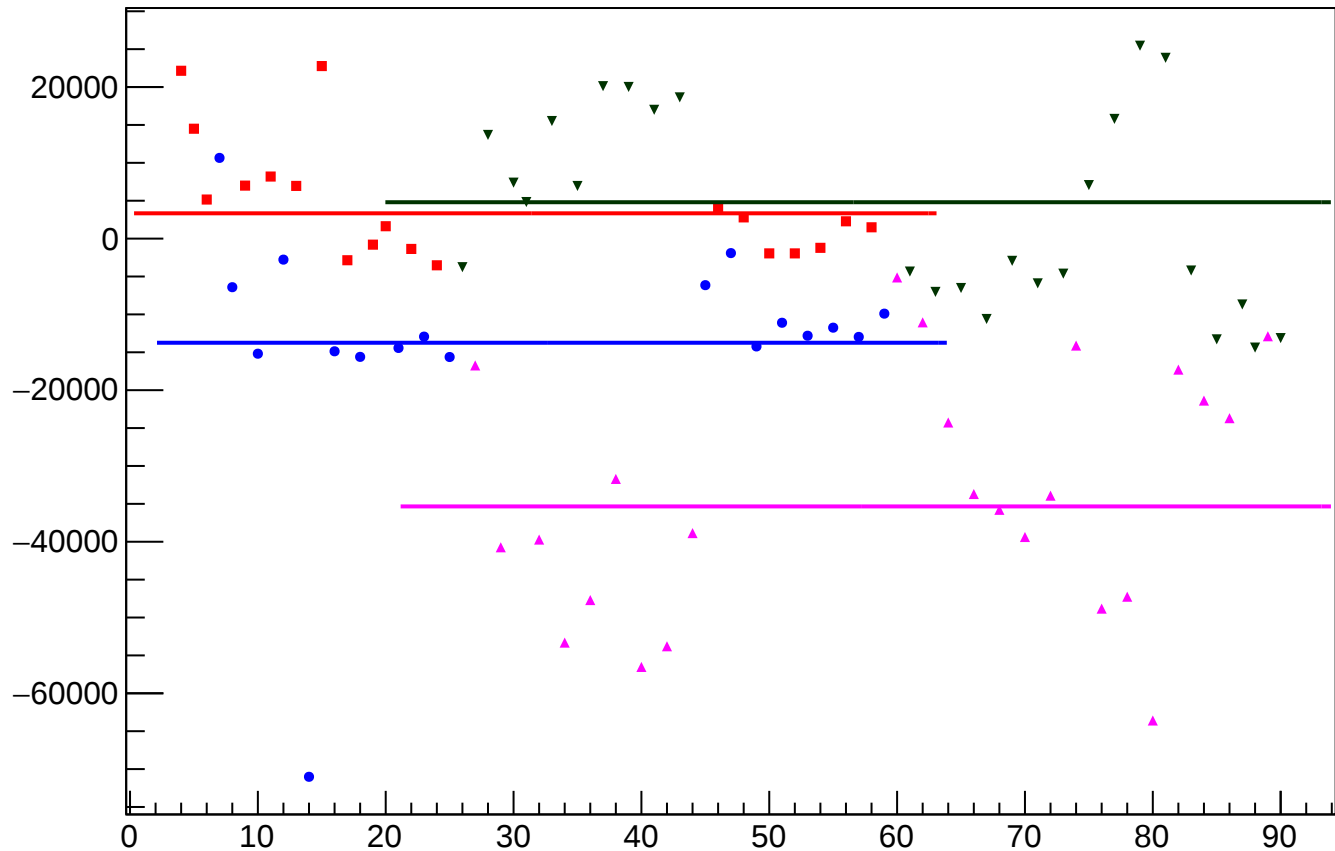
160.289 ± 0.024 χ^2/NDF : 2124991.7/43

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

148.253 ± 0.022 χ^2/NDF : 2513384.8/42

Left In: 143.678 ± 0.029 χ^2/NDF : 1429206.4/23

asym_bpm2i01WS_mean vs slug



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

Left Out: 4802.139+/-26.937 χ^2/NDF : 216972.9/25

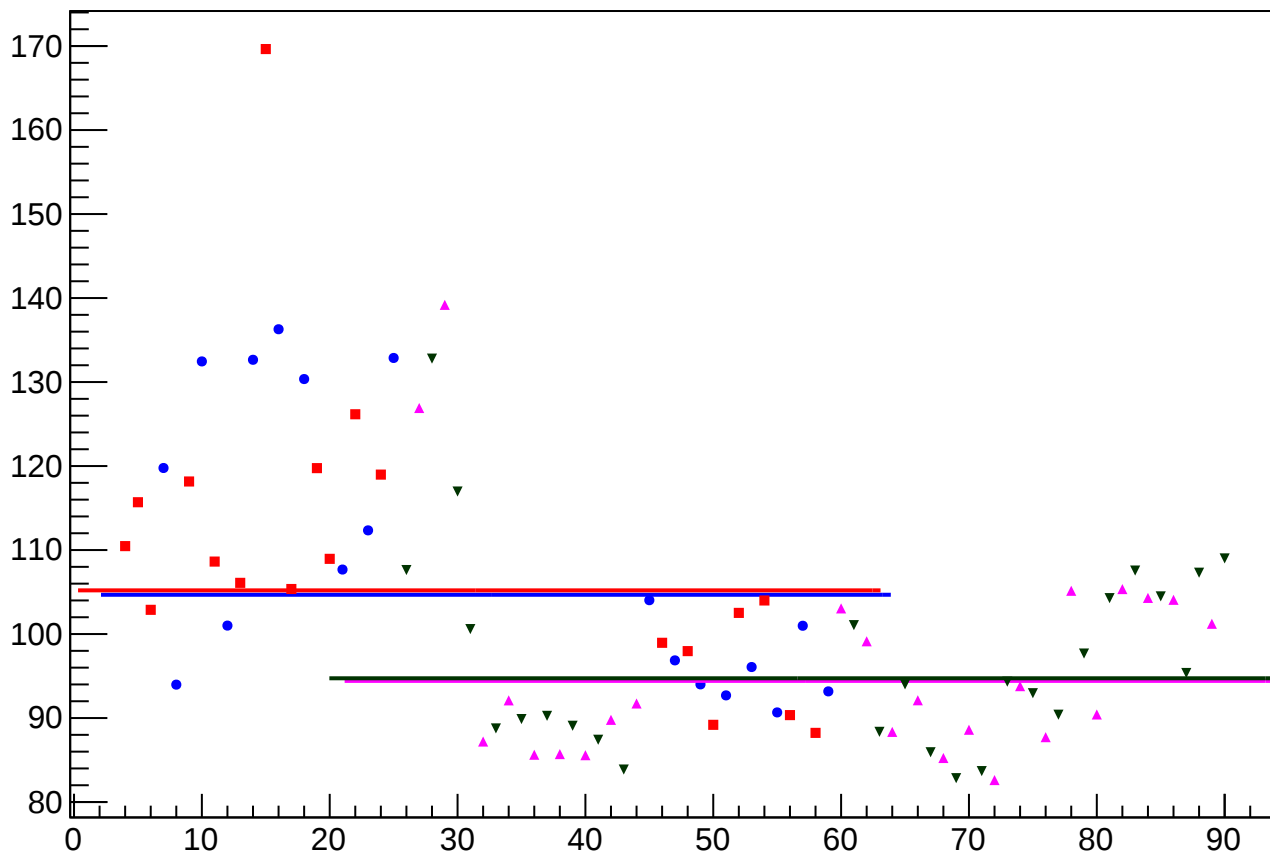
-2873.598+/-20.622 χ^2/NDF : 635323.4/43

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

-20883.159+/-20.943 χ^2/NDF : 1160008.2/42

Left In: -35339.116+/-26.465 χ^2/NDF : 330351.4/23

asym_bpm2i01WS_rms vs slug



Right In: 104.677 ± 0.023 χ^2/NDF : 431749.6/17

Left Out: 94.733 ± 0.019 χ^2/NDF : 319340.2/25

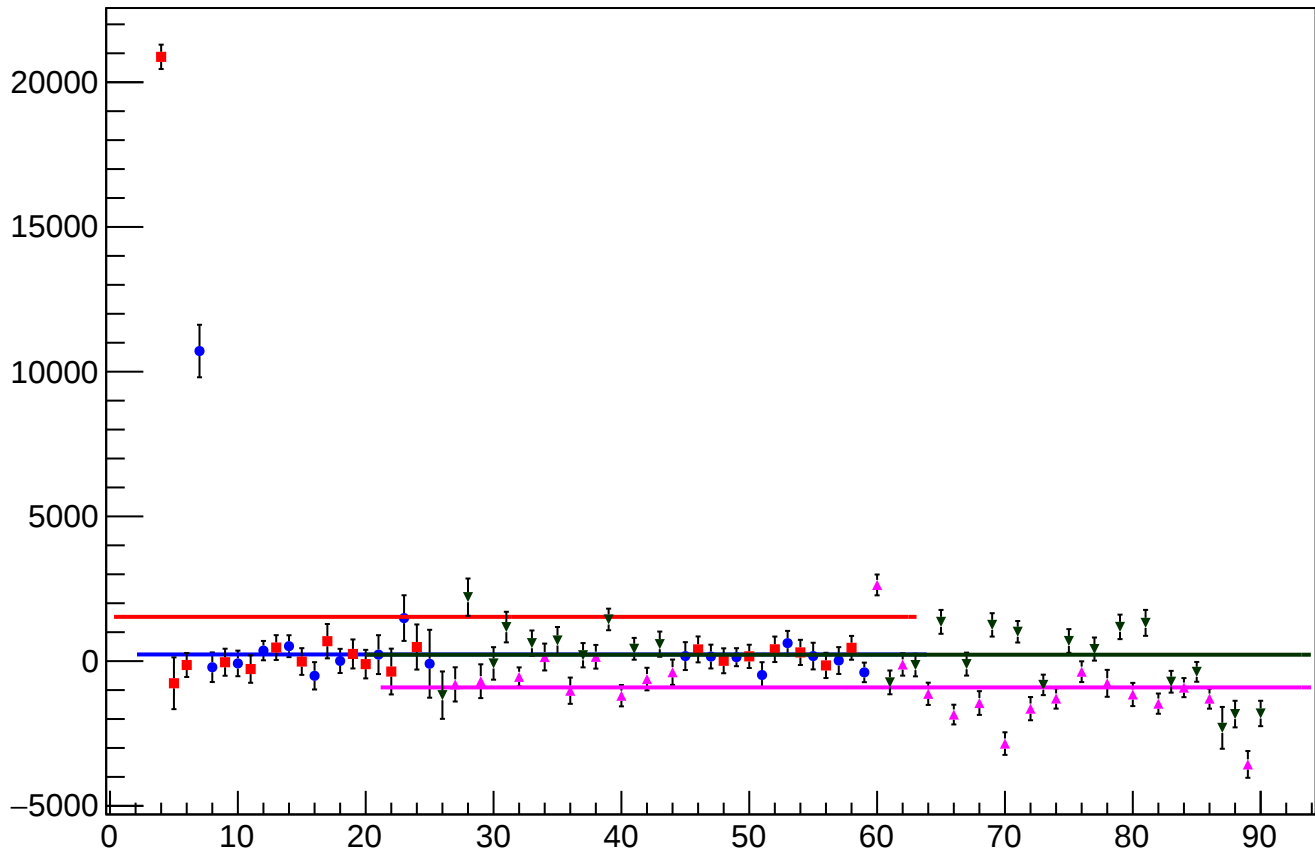
Right Out: 105.200 ± 0.024 χ^2/NDF : 336723.5/18

Left In: 94.423 ± 0.019 χ^2/NDF : 415570.8/23

98.849 ± 0.015 χ^2/NDF : 863894.0/43

98.451 ± 0.015 χ^2/NDF : 876255.5/42

asym_bpm0i07WS_mean vs slug



Right In: 230.965 ± 105.235 χ^2/NDF : 148.0/17

Left Out: 221.562 ± 83.912 χ^2/NDF : 139.4/25

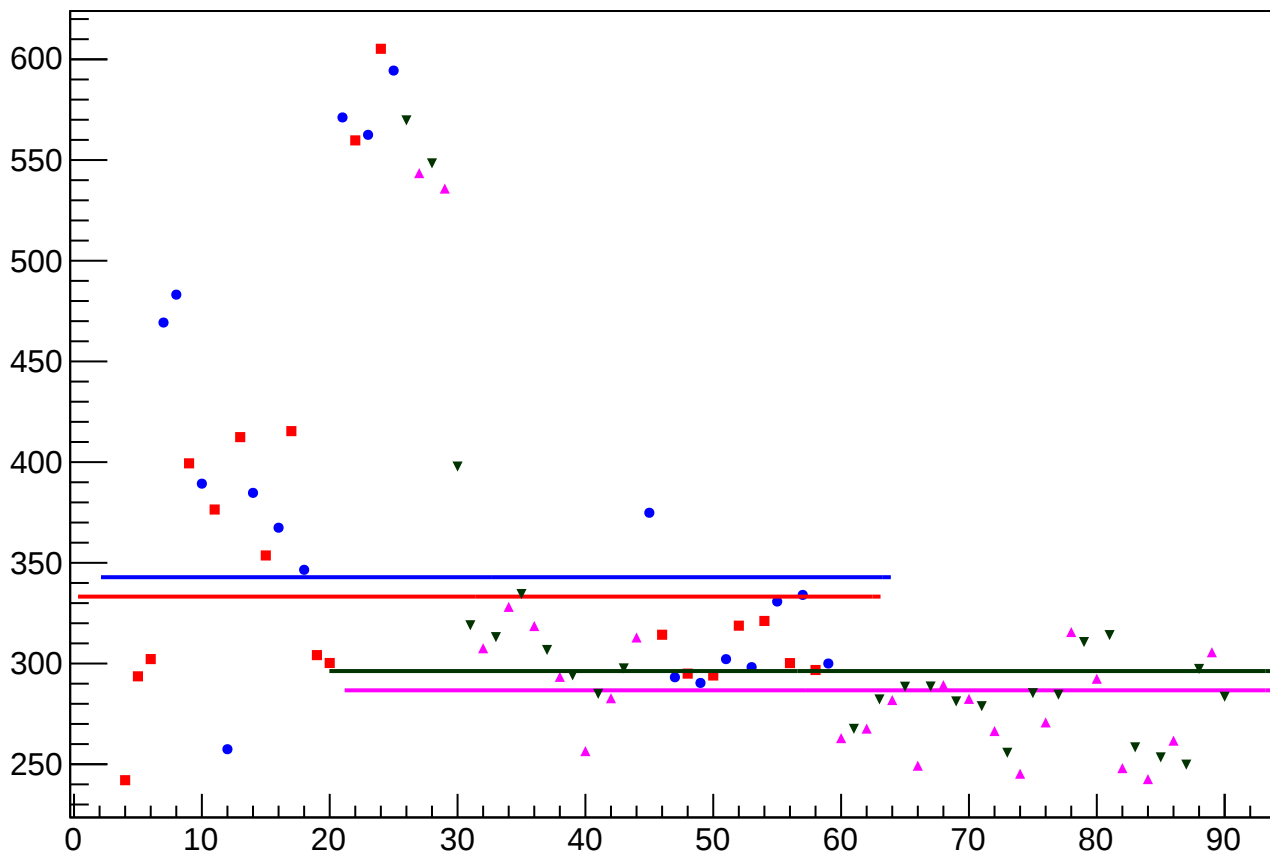
225.217 ± 65.608 χ^2/NDF : 287.4/43

Right Out: 1529.045 ± 108.949 χ^2/NDF : 2274.0/18

-51.880 ± 64.572 χ^2/NDF : 2794.1/42

Left In: -907.918 ± 80.170 χ^2/NDF : 195.5/23

asym_bpm0i07WS_rms vs slug



Right In: 342.865 $\pm$ 0.074 χ^2 /NDF: 1018623.1/17

Left Out: 296.264 $\pm$ 0.059 χ^2 /NDF: 735970.2/25

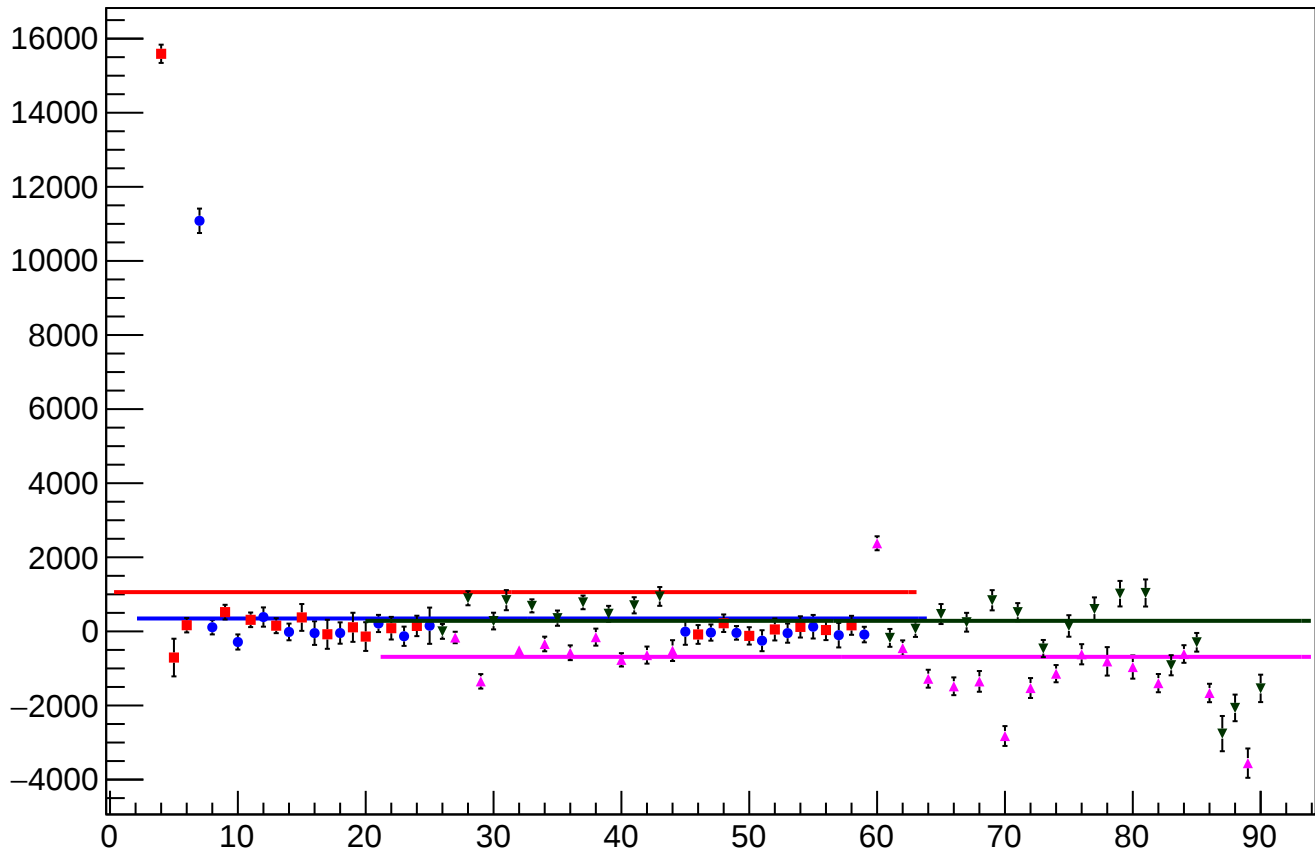
Right Out: 333.230 $\pm$ 0.077 χ^2 /NDF: 768934.3/18

Left In: 286.694 $\pm$ 0.057 χ^2 /NDF: 954767.9/23

314.377 $\pm$ 0.046 χ^2 /NDF: 1994350.5/43

303.041 $\pm$ 0.046 χ^2 /NDF: 1960423.7/42

asym_bpm0l01WS_mean vs slug



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

Left Out: 284.976+/-48.144 χ^2/NDF : 203.7/25

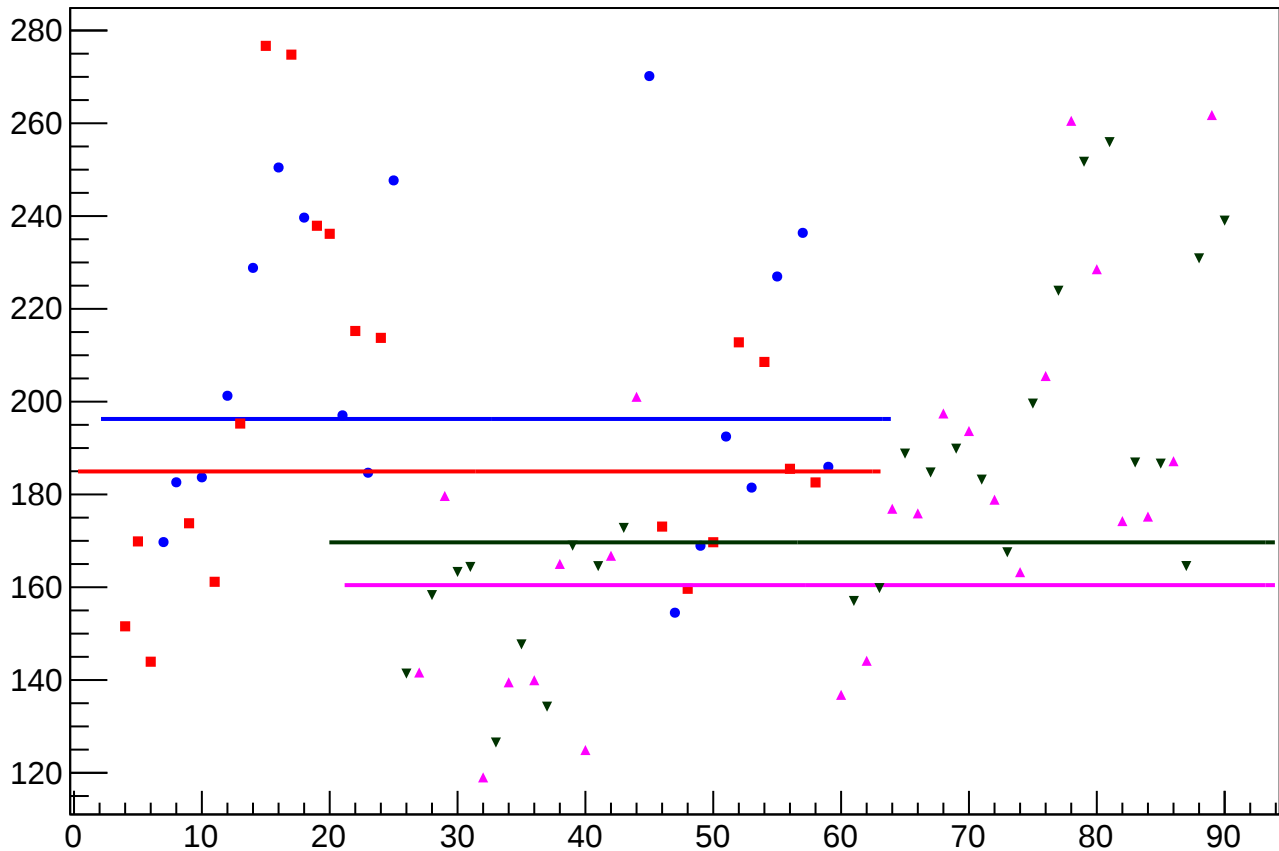
309.916+/-37.463 χ^2/NDF : 1307.6/43

Right Out: 1059.962+/-60.034 χ^2/NDF : 3708.7/18

-59.000+/-35.999 χ^2/NDF : 4727.2/42

Left In: -687.208+/-44.983 χ^2/NDF : 476.0/23

asym_bpm0l01WS_rms vs slug



Right In: 196.269 ± 0.042 $\chi^2/\text{NDF}: 466122.9/17$

Left Out: 169.673 ± 0.034 $\chi^2/\text{NDF}: 761240.4/25$

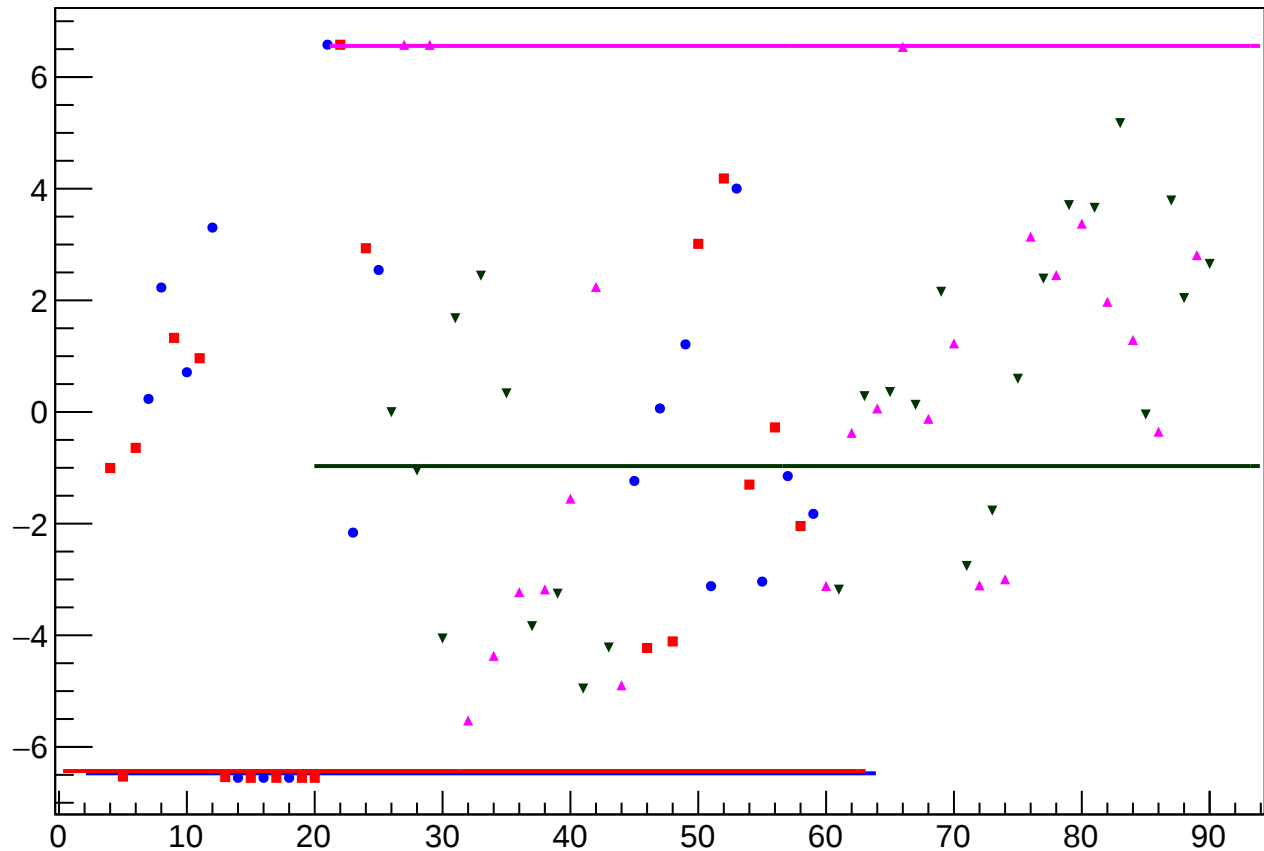
Right Out: 184.956 ± 0.042 $\chi^2/\text{NDF}: 580645.4/18$

Left In: 160.455 ± 0.032 $\chi^2/\text{NDF}: 1018514.2/23$

180.165 ± 0.026 $\chi^2/\text{NDF}: 1468142.8/43$

169.264 ± 0.025 $\chi^2/\text{NDF}: 1812512.8/42$

yield_cav4bX_mean vs slug



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

Left Out: -0.969+/-0.000 χ^2/NDF : 69644128.0/25

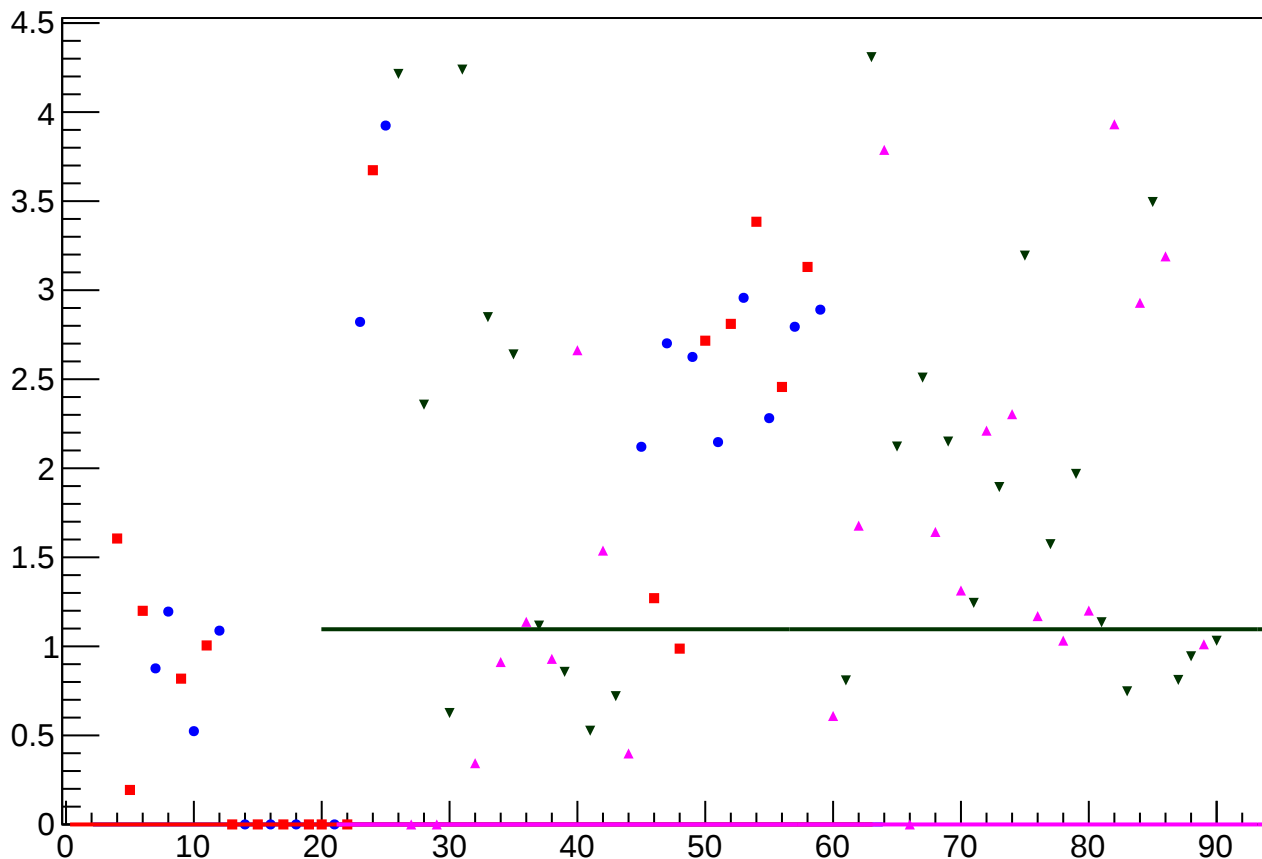
Right Out: -6.432+/-0.000 χ^2/NDF : 150837619676093.8/18

Left In: 6.558+/-0.000 χ^2/NDF : 1594288344.3/23

-6.473+/-0.000 χ^2/NDF : 127848185848859.4/4

-6.196+/-0.000 χ^2/NDF : 446402781133453.4/4

yield_cav4bX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 11913804.6/17

Left Out: 1.096+/-0.000 χ^2/NDF : 5432733.6/25

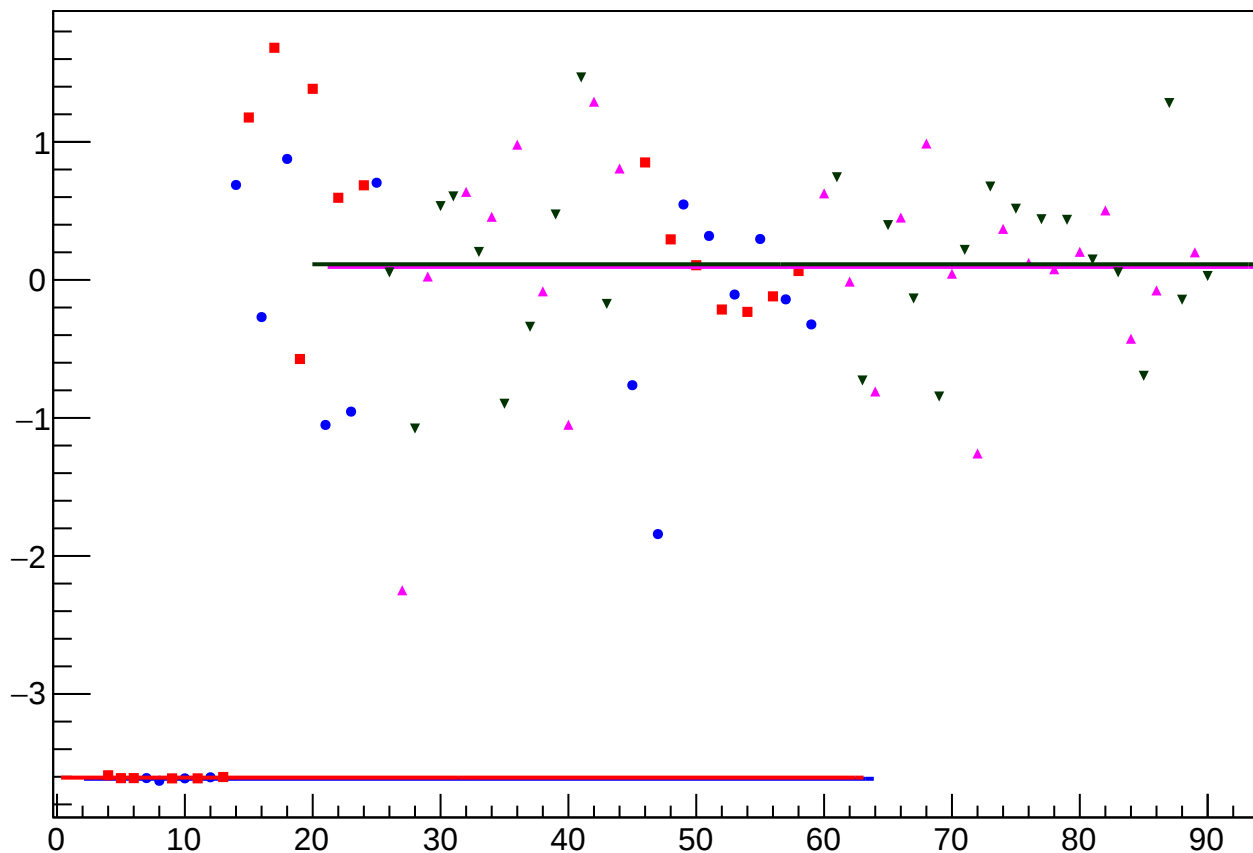
Right Out: 0.000+/-0.000 χ^2/NDF : 9626570.5/18

Left In: 0.000+/-0.000 χ^2/NDF : 15740520.8/23

0.000+/-0.000 χ^2/NDF : 30580898.3/43

0.000+/-0.000 χ^2/NDF : 25367189.1/42

yield_cav4bY_mean vs slug



Right In: -3.614+/-0.000 χ^2/NDF : 49086055221.8/17

Left Out: 0.113+/-0.000 χ^2/NDF : 11123504.9/25

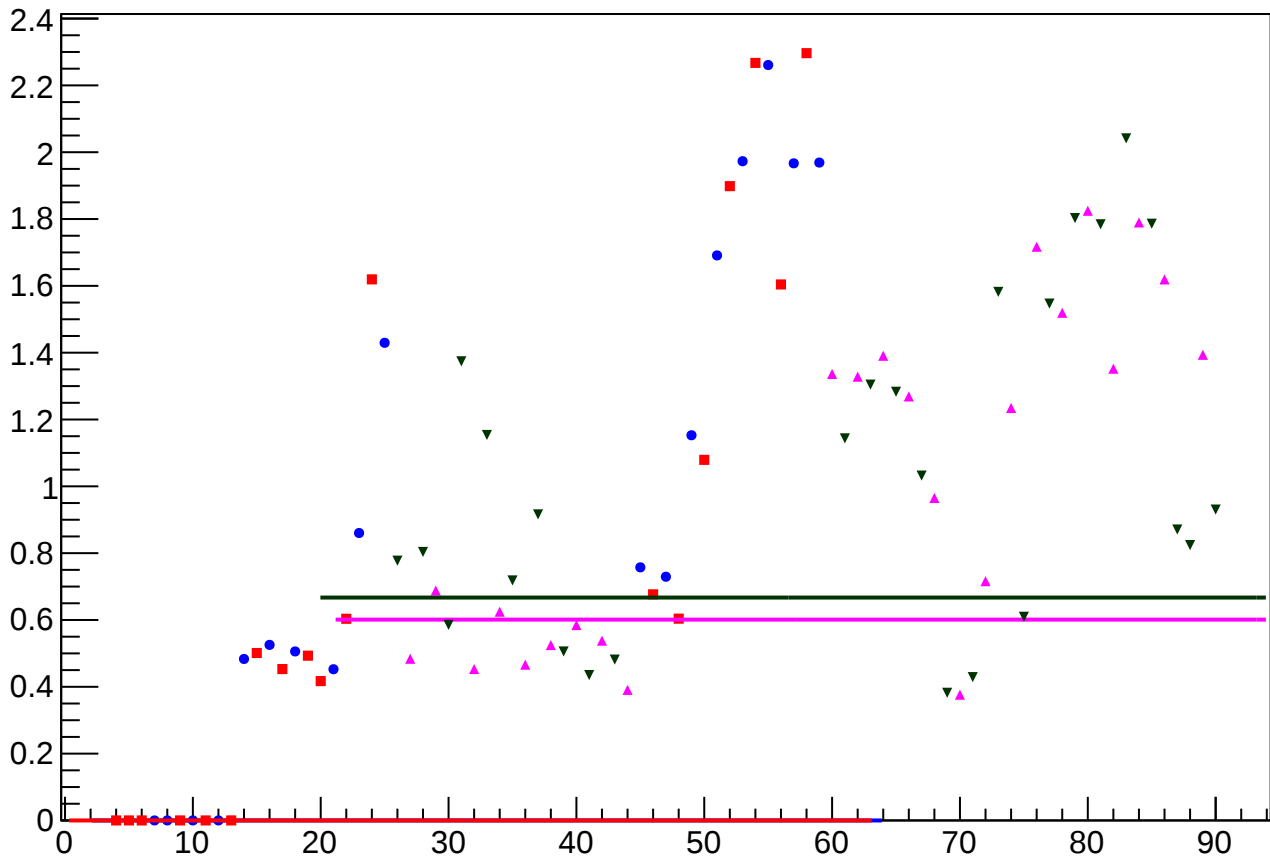
Right Out: -3.606+/-0.000 χ^2/NDF : 37792758949.6/18

Left In: 0.094+/-0.000 χ^2/NDF : 21961952.4/23

-3.614+/-0.000 χ^2/NDF : 49357957271.0/43

-3.606+/-0.000 χ^2/NDF : 38131462617.6/42

yield_cav4bY_rms vs slug



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

Left Out: 0.667+/-0.000 χ^2/NDF : 4560053.3/25

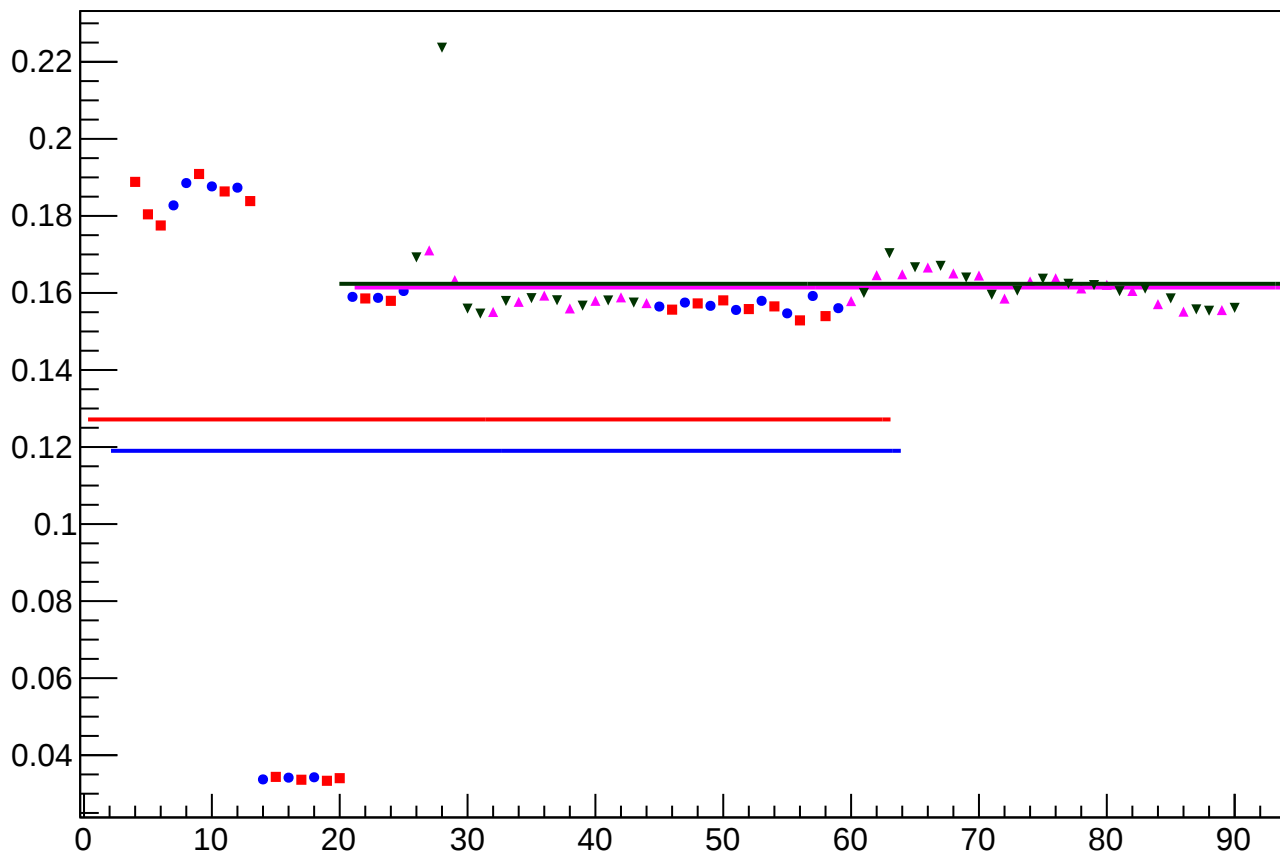
0.000+/-0.000 χ^2/NDF : 35040081.7/43

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

0.000+/-0.000 χ^2/NDF : 32363865.8/42

Left In: 0.601+/-0.000 χ^2/NDF : 5117449.1/23

yield_cav4cX_mean vs slug



Right In: 0.119+/-0.000 χ^2/NDF : 4974475463.8/17

Left Out: 0.162+/-0.000 χ^2/NDF : 104616827.6/25

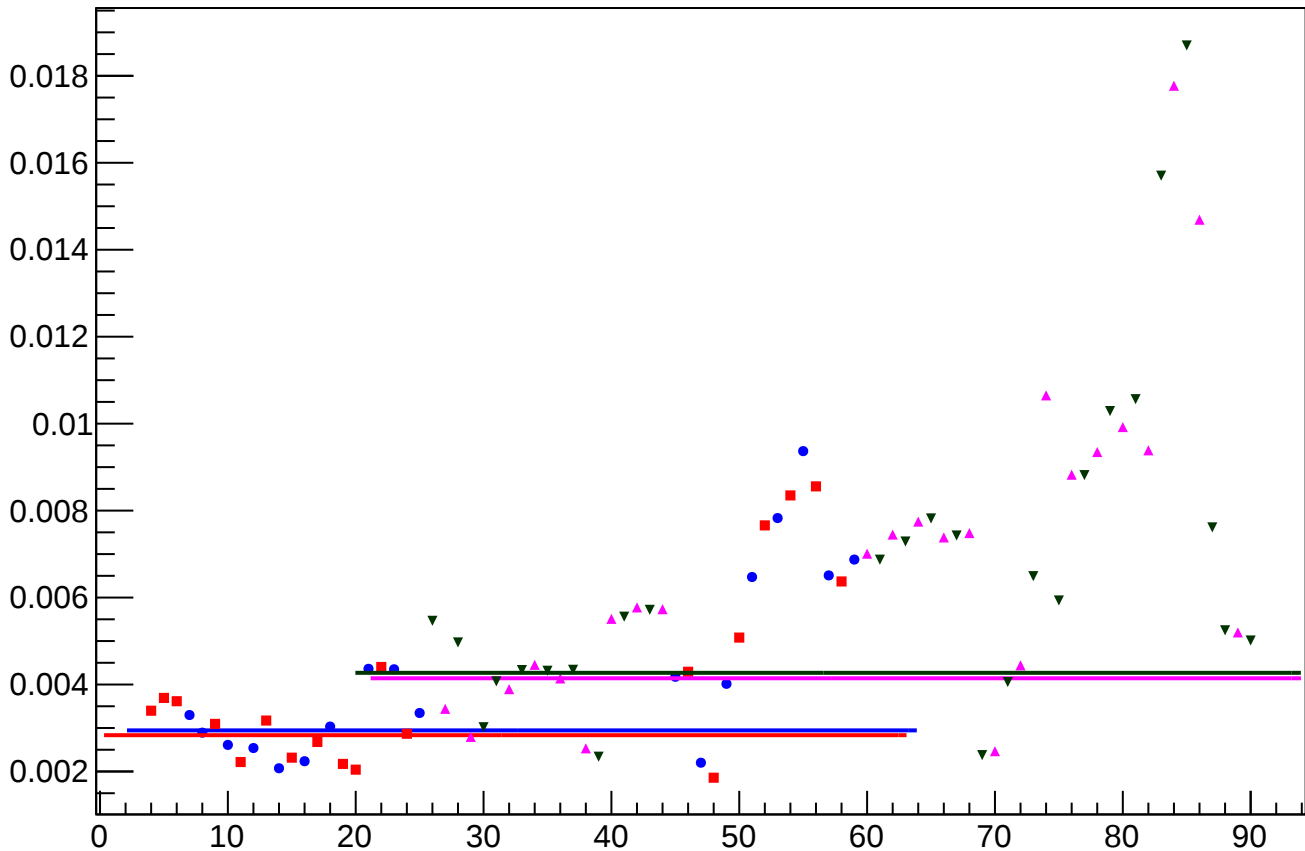
Right Out: 0.127+/-0.000 χ^2/NDF : 4426693928.8/18

Left In: 0.161+/-0.000 χ^2/NDF : 14162281.0/23

0.134+/-0.000 χ^2/NDF : 5757009322.9/43

0.140+/-0.000 χ^2/NDF : 4872935052.1/42

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 : 4656446.2/25

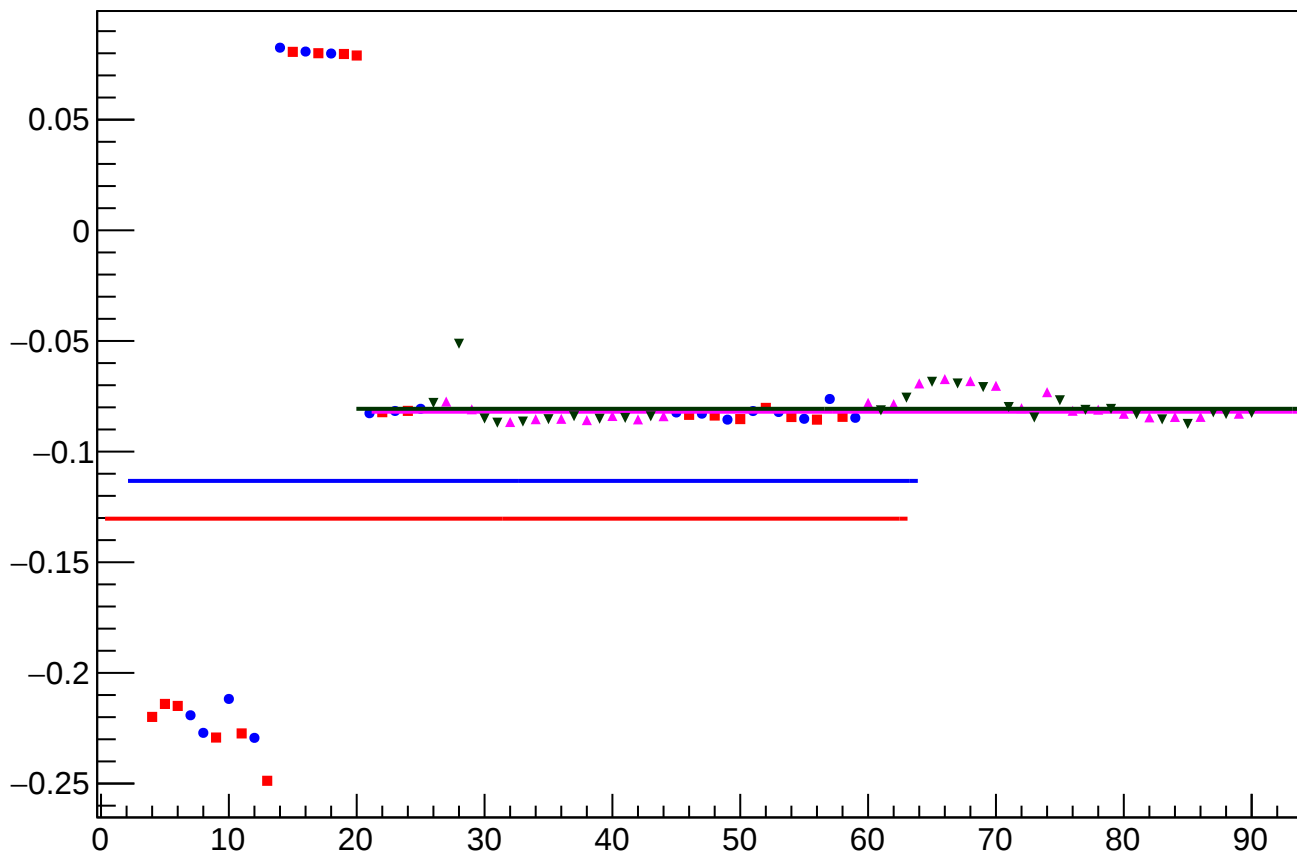
Right Out: 0.003 ± 0.000 χ^2/NDF : 2697291.9/18

Left In: 0.004 ± 0.000 χ^2/NDF : 5188365.6/23

0.003 ± 0.000 χ^2/NDF : 8906576.0/43

0.003 ± 0.000 χ^2/NDF : 9147137.7/42

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 : 42289973.1/25

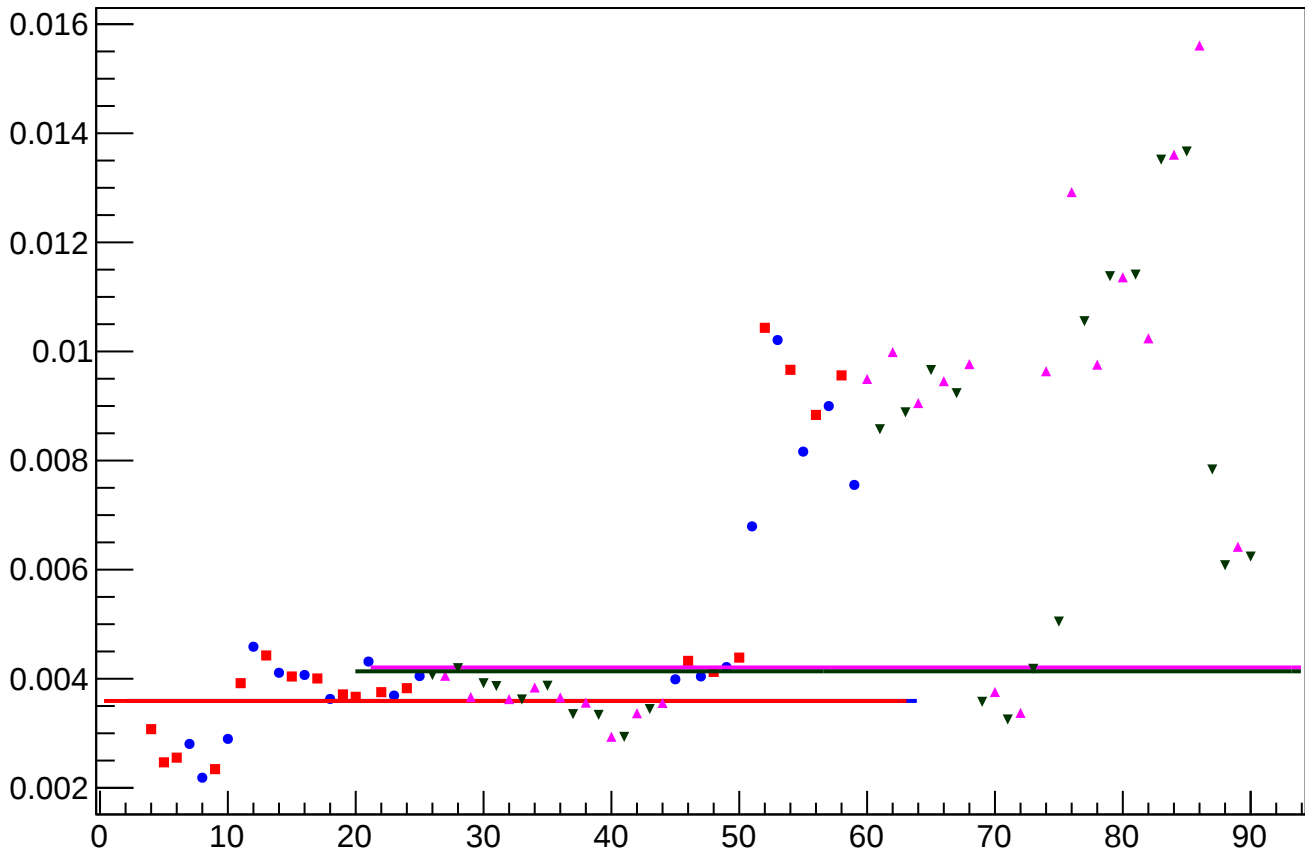
Right Out: -0.130 ± 0.000 χ^2/NDF : 8867144829.5/18

Left In: -0.082 ± 0.000 χ^2/NDF : 13420540.2/23

-0.099 ± 0.000 χ^2/NDF : 10081393579.6/43

-0.108 ± 0.000 χ^2/NDF : 9574381572.2/42

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 : 3759897.1/25

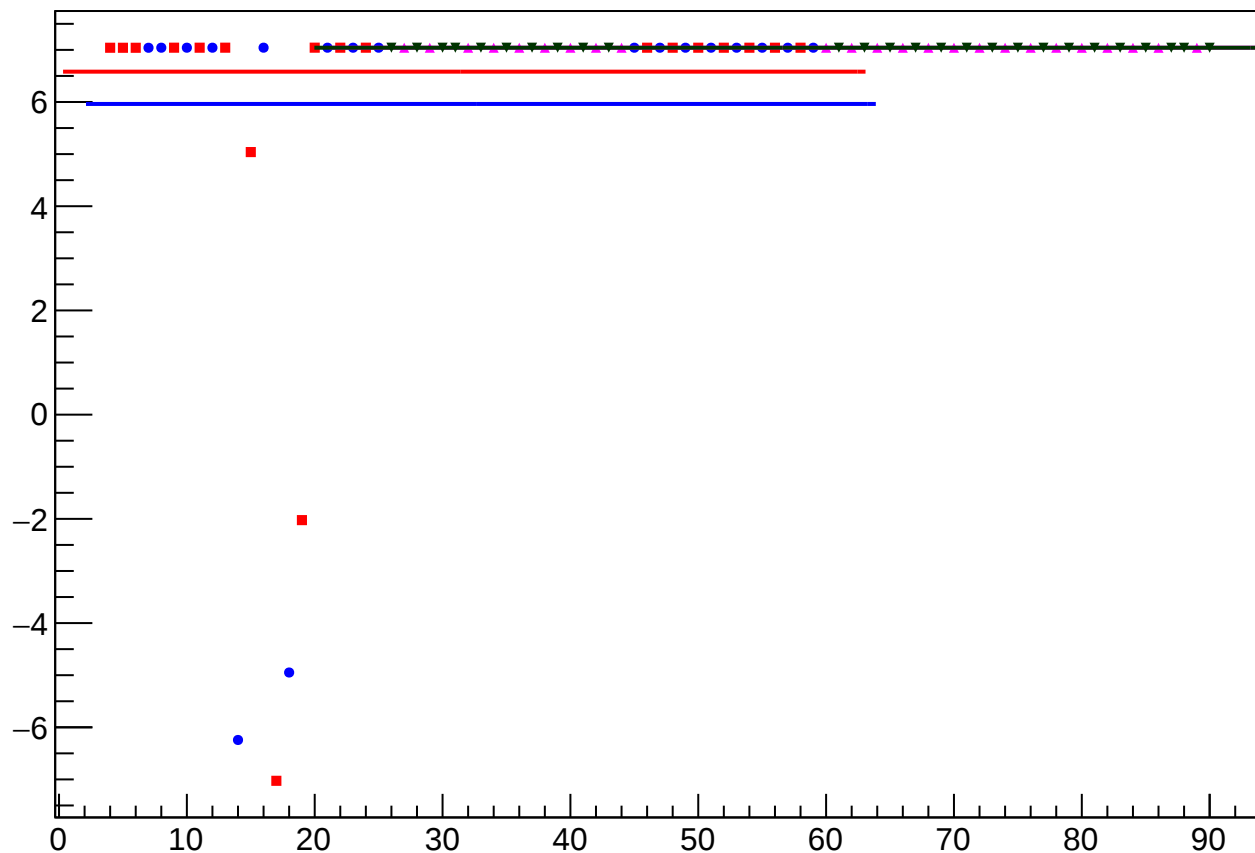
Right Out: 0.004+/-0.000 χ^2/NDF : 2225355.5/18

Left In: 0.004+/-0.000 χ^2/NDF : 4546744.6/23

0.004+/-0.000 χ^2/NDF : 6587498.7/43

0.004+/-0.000 χ^2/NDF : 6996155.5/42

yield_cav4dX_mean vs slug



Right In: 5.962+/-0.000 χ^2/NDF : 4616105002600912.0/17

Left Out: 7.042+/-0.000 χ^2/NDF : 53803692.0/25

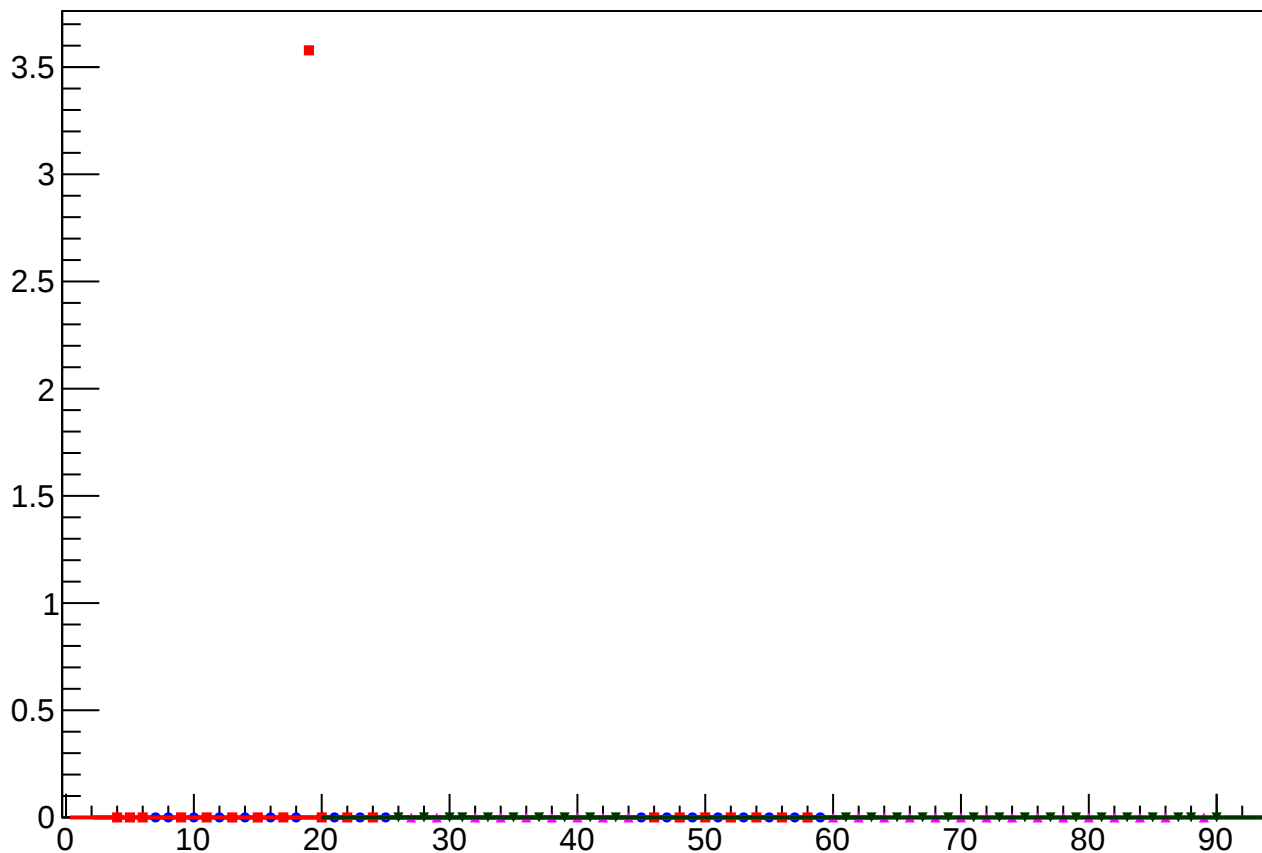
Right Out: 6.582+/-0.000 χ^2/NDF : 1856853993700647.2/18

Left In: 7.042+/-0.000 χ^2/NDF : 49585336.5/23

6.564+/-0.000 χ^2/NDF : 4847963859030001.0/4

6.858+/-0.000 χ^2/NDF : 1895684090688796.0/4

yield_cav4dX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 4282.3/17

Left Out: 0.000+/-0.000 χ^2/NDF : 8039.3/25

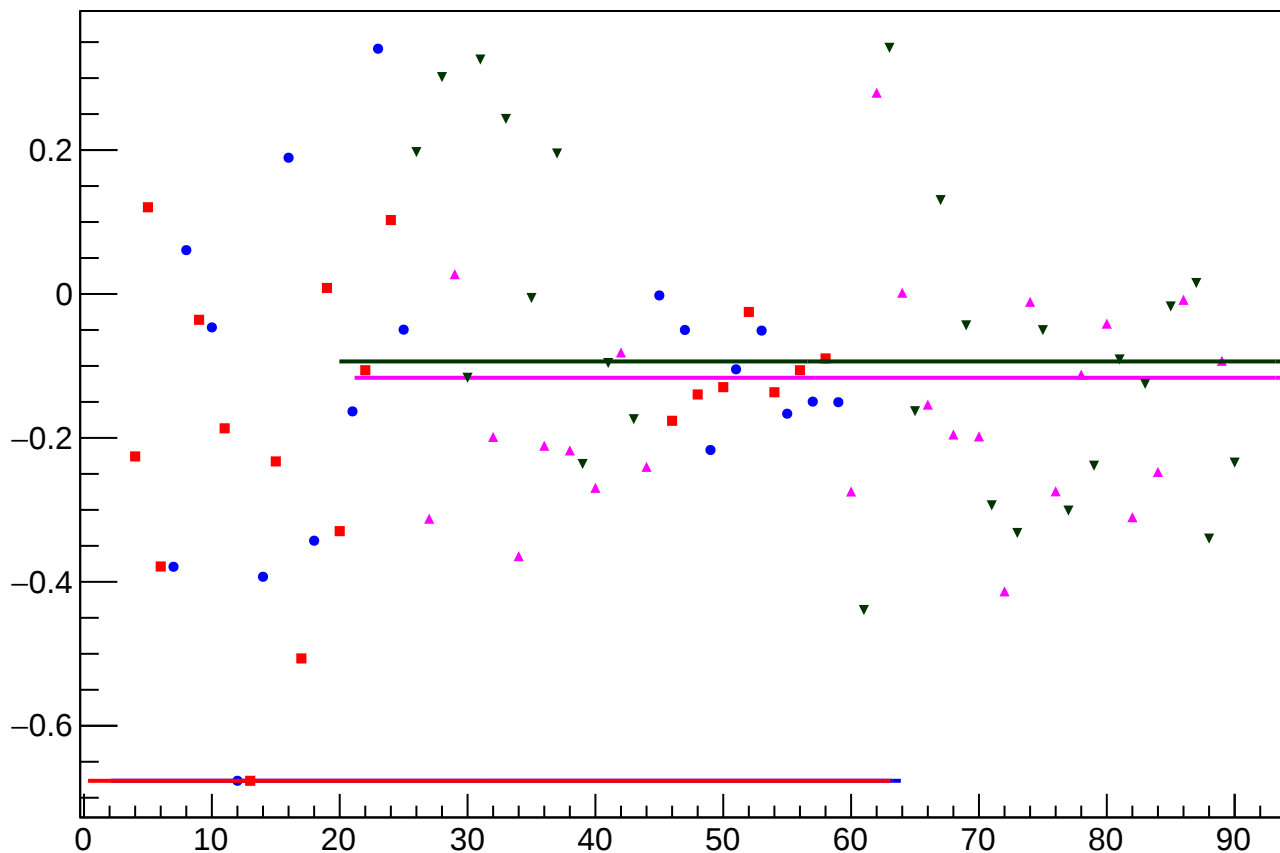
Right Out: 0.000+/-0.000 χ^2/NDF : 697661.6/18

Left In: 0.000+/-0.000 χ^2/NDF : 7205.3/23

0.000+/-0.000 χ^2/NDF : 16041.7/43

0.000+/-0.000 χ^2/NDF : 709398.8/42

yield_cav4dY_mean vs slug



Right In: -0.676+/-0.000 χ^2/NDF : 266364367.2/17

Left Out: -0.094+/-0.000 χ^2/NDF : 38211721.5/25

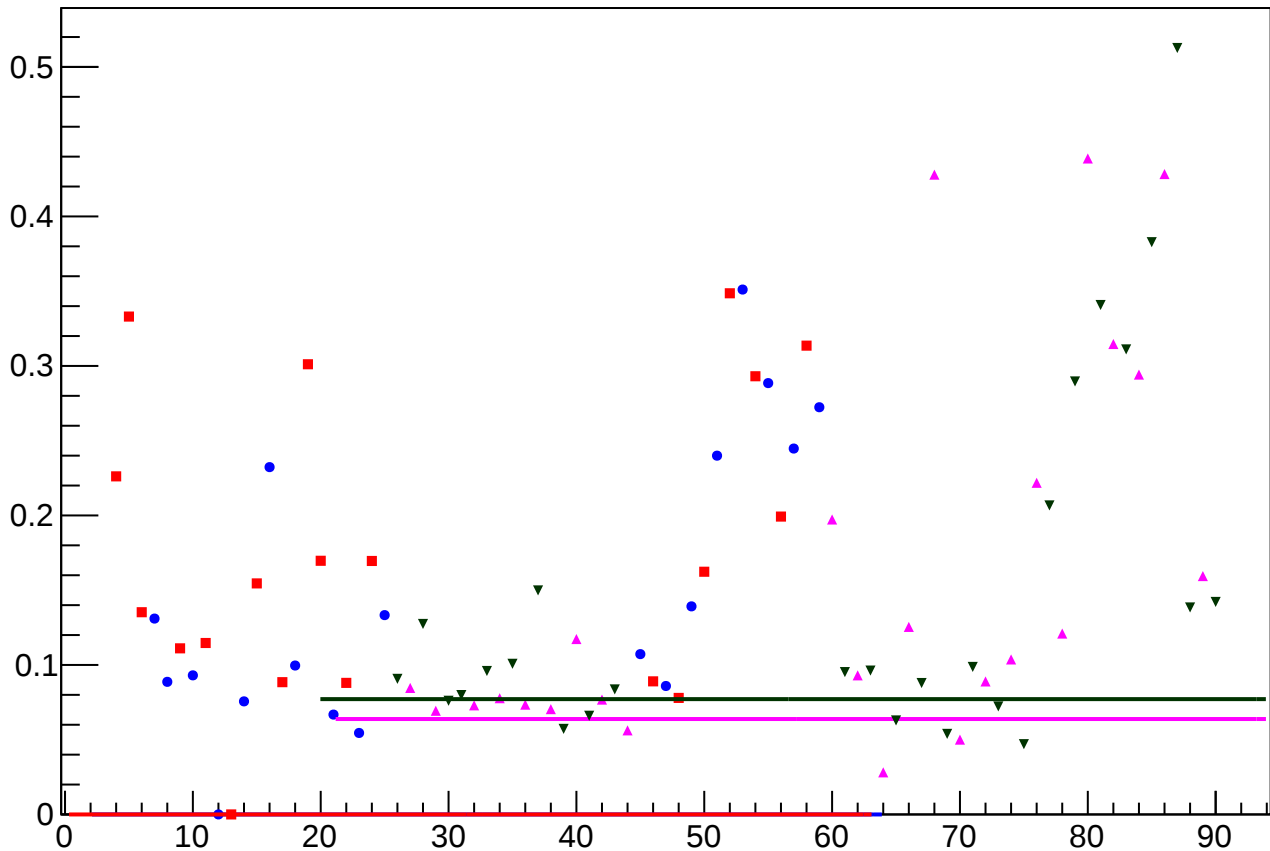
Right Out: -0.676+/-0.000 χ^2/NDF : 102004552.0/18

Left In: -0.116+/-0.000 χ^2/NDF : 29860956.1/23

-0.676+/-0.000 χ^2/NDF : 695270414.8/43

-0.676+/-0.000 χ^2/NDF : 627661956.4/42

yield_cav4dY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 16187995.6/17

Left Out: 0.077+/-0.000 χ^2/NDF : 4026778.0/25

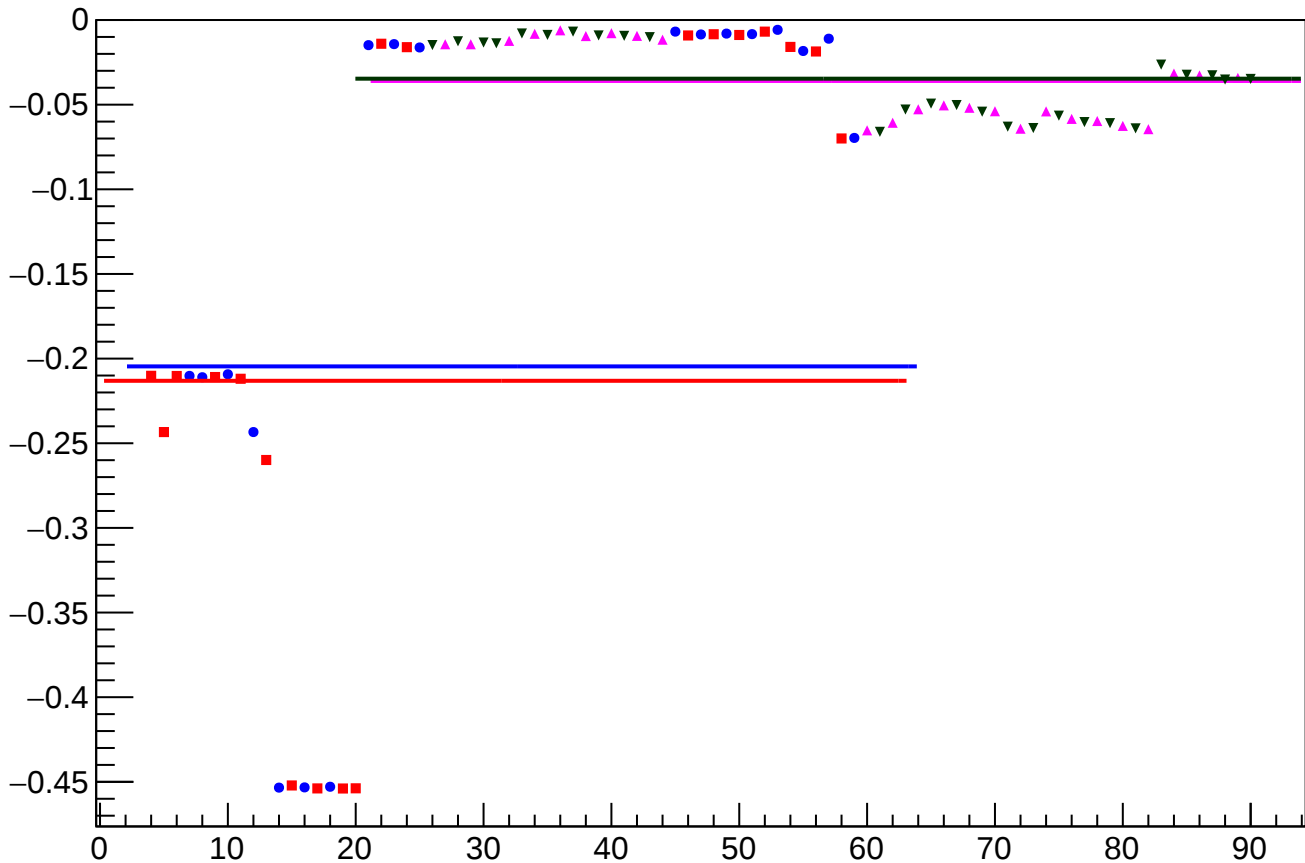
0.000+/-0.000 χ^2/NDF : 33904801.0/43

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

0.000+/-0.000 χ^2/NDF : 33282688.6/42

Left In: 0.064+/-0.000 χ^2/NDF : 6645895.2/23

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 : 68844086.4/25

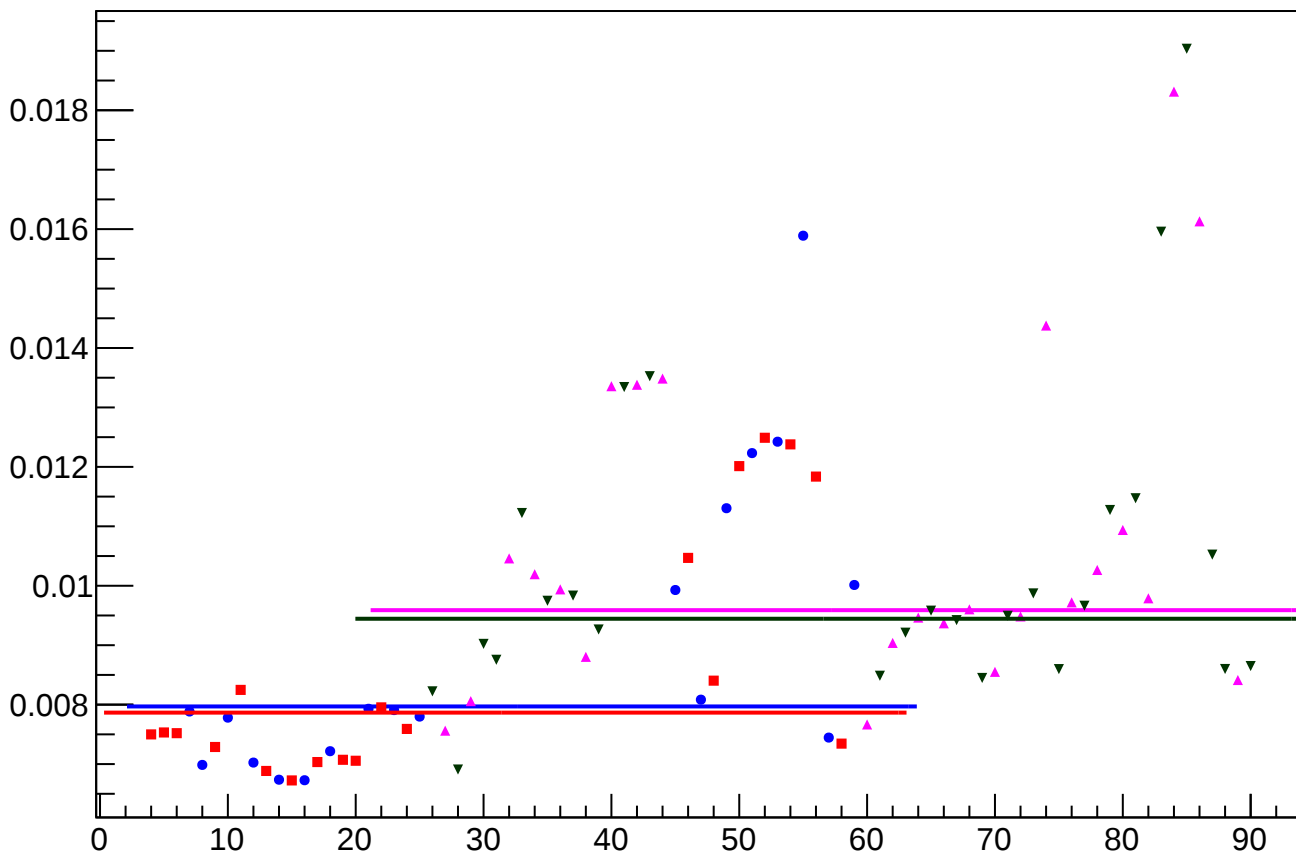
-0.128+/-0.000 χ^2/NDF : 7781400336.0/43

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

-0.130+/-0.000 χ^2/NDF : 6474244692.5/42

Left In: -0.036+/-0.000 χ^2/NDF : 70975252.9/23

yield_bpm4aX_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 943742.9/17

Left Out: 0.009+/-0.000 χ^2/NDF :954701.8/25

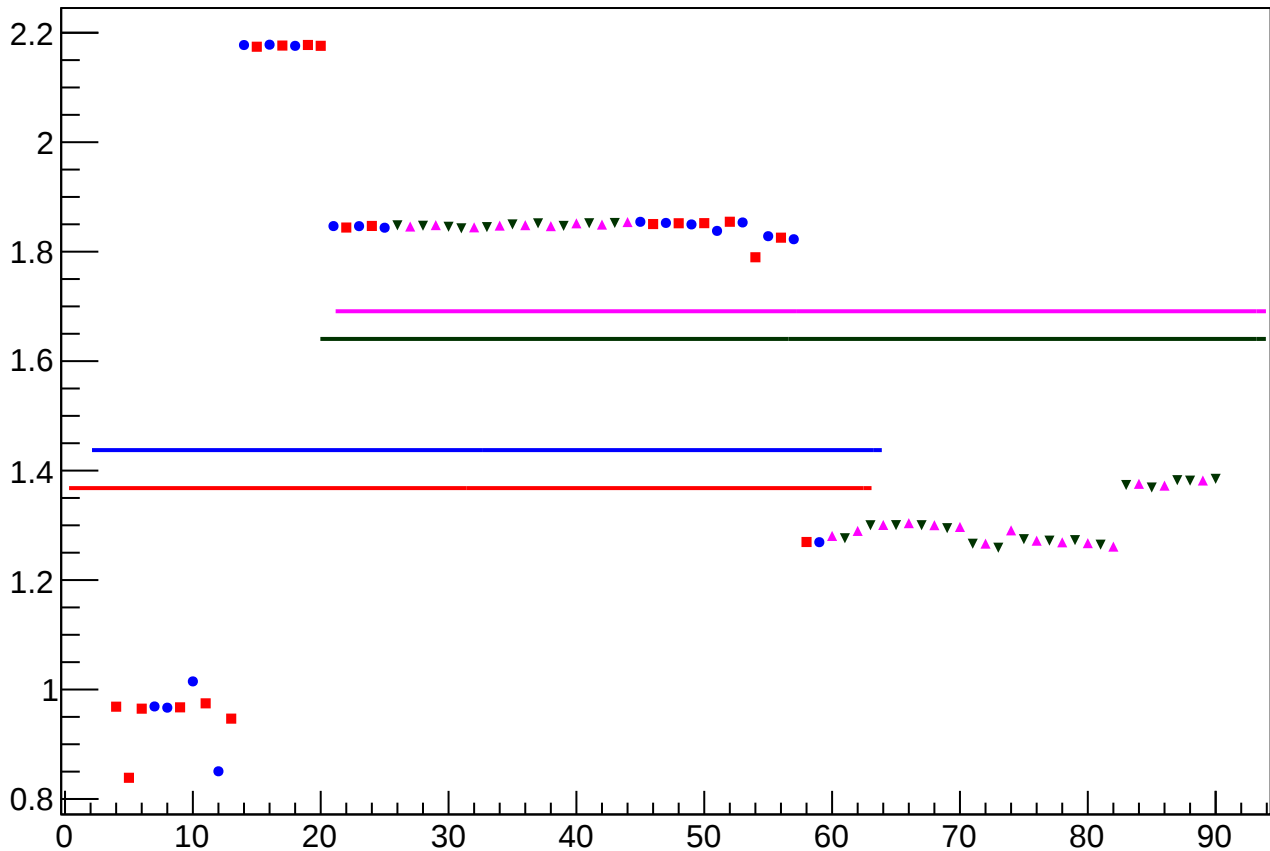
Right Out: 0.008+/-0.000 χ^2/NDF : 696189.4/18

Left In: 0.010+/-0.000 χ^2/NDF :1087961.4/23

0.009+/-0.000 χ^2/NDF : 2225884.4/43

0.009+/-0.000 χ^2/NDF : 2212488.7/42

yield_bpm4aY_mean vs slug



Right In: 1.437+/-0.000 χ^2/NDF : 14236590294.3/17

Left Out: 1.641+/-0.000 χ^2/NDF : 3246507801.9/25

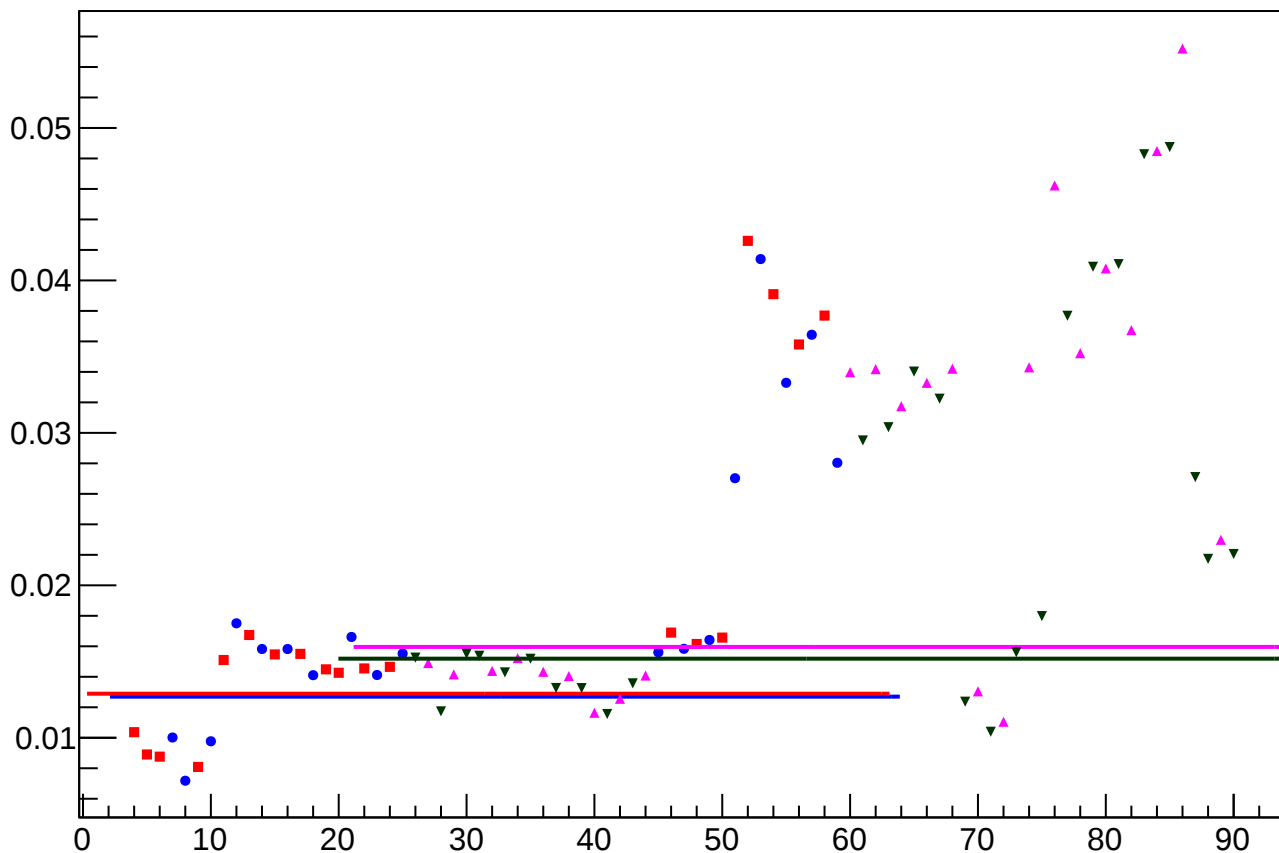
1.528+/-0.000 χ^2/NDF : 18490524732.5/43

Right Out: 1.368+/-0.000 χ^2/NDF : 12592500418.8/18

1.514+/-0.000 χ^2/NDF : 17353602017.3/42

Left In: 1.691+/-0.000 χ^2/NDF : 2491966743.0/23

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 : 3651590.4/25

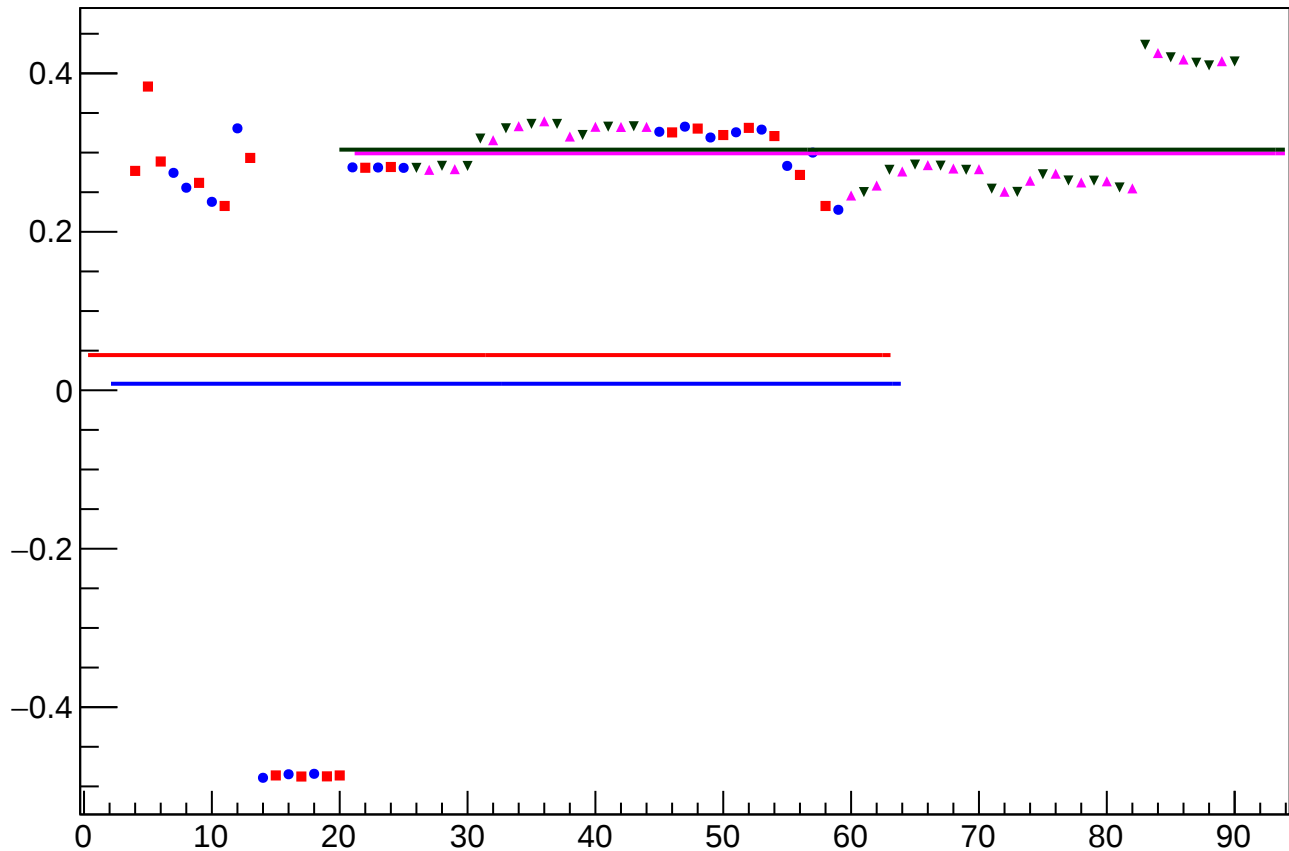
Right Out: 0.013 ± 0.000 χ^2/NDF : 2814614.5/18

Left In: 0.016 ± 0.000 χ^2/NDF : 4236077.9/23

0.014 ± 0.000 χ^2/NDF : 7489292.9/43

0.014 ± 0.000 χ^2/NDF : 7459749.5/42

yield_bpm4eX_mean vs slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 3589016563.4/17

Left Out: 0.304 $\pm$ 0.000 χ^2 /NDF: 27436296.1/25

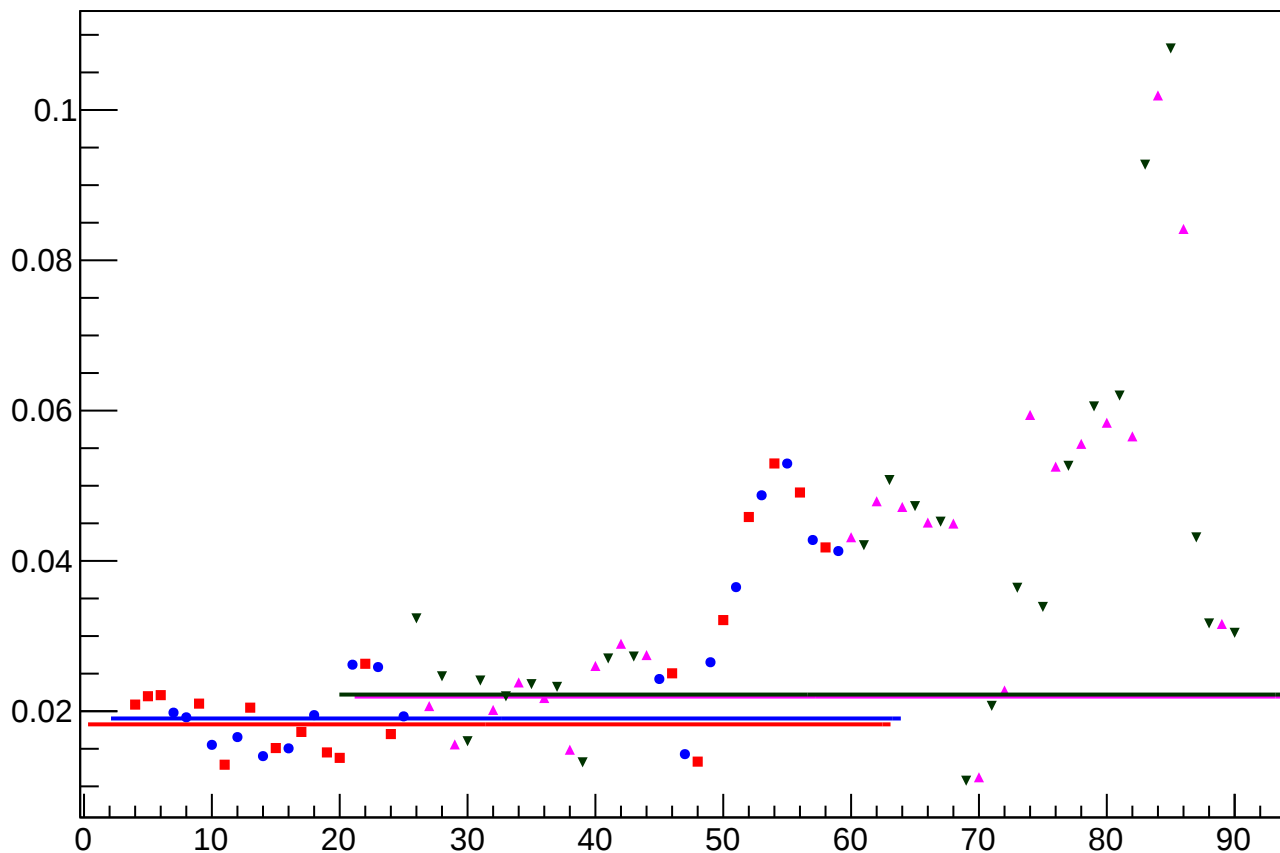
Right Out: 0.044 $\pm$ 0.000 χ^2 /NDF: 3156873410.8/18

Left In: 0.299 $\pm$ 0.000 χ^2 /NDF: 21706087.9/23

0.135 $\pm$ 0.000 χ^2 /NDF: 4580109919.0/43

0.157 $\pm$ 0.000 χ^2 /NDF: 3895251824.3/42

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 : 5593717.0/25

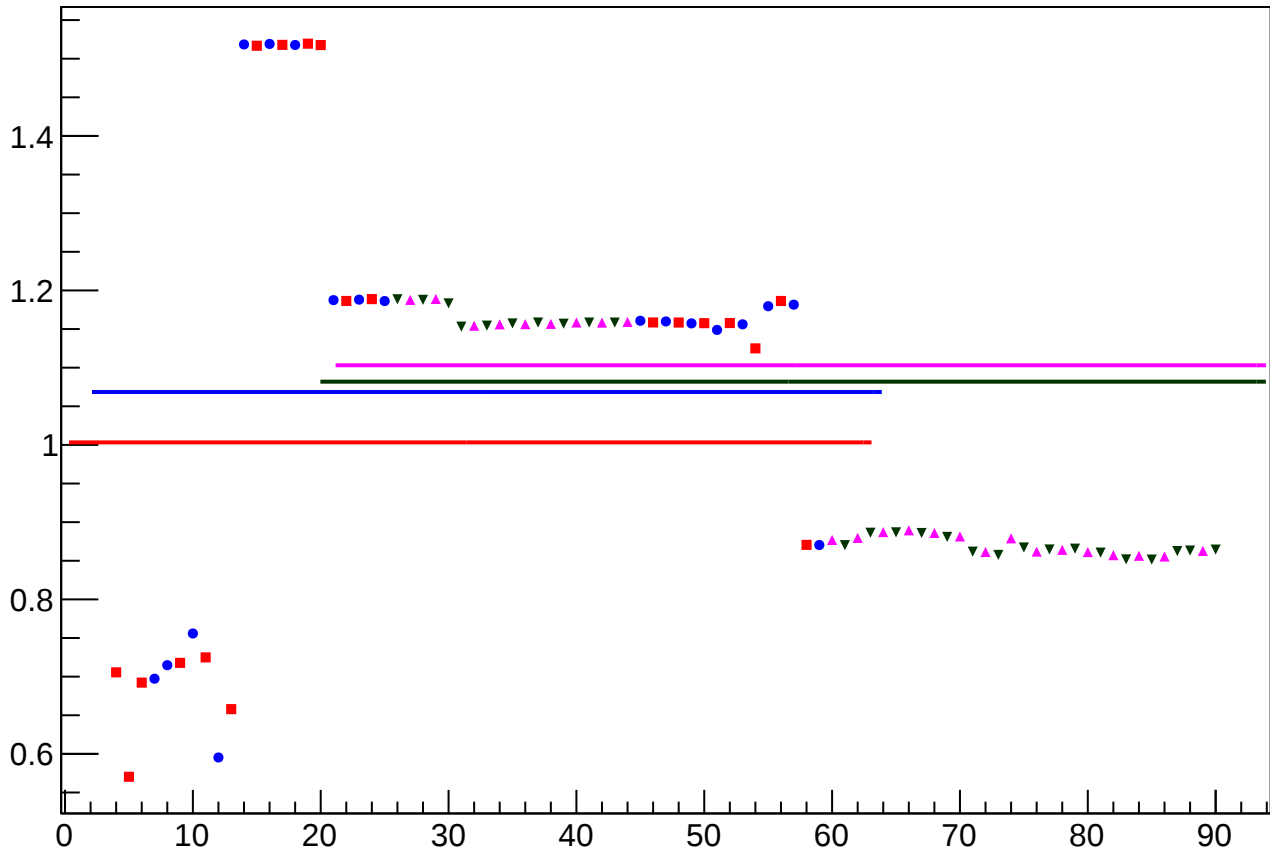
Right Out: 0.018+/-0.000 χ^2/NDF : 2485378.5/18

Left In: 0.022+/-0.000 χ^2/NDF : 5904359.8/23

0.020+/-0.000 χ^2/NDF : 8412021.9/43

0.020+/-0.000 χ^2/NDF : 8691448.2/42

yield_bpm4eY_mean vs slug



Right In: 1.069+/-0.000 χ^2/NDF : 10548206682.3/17

Left Out: 1.082+/-0.000 χ^2/NDF :1694311529.9/25

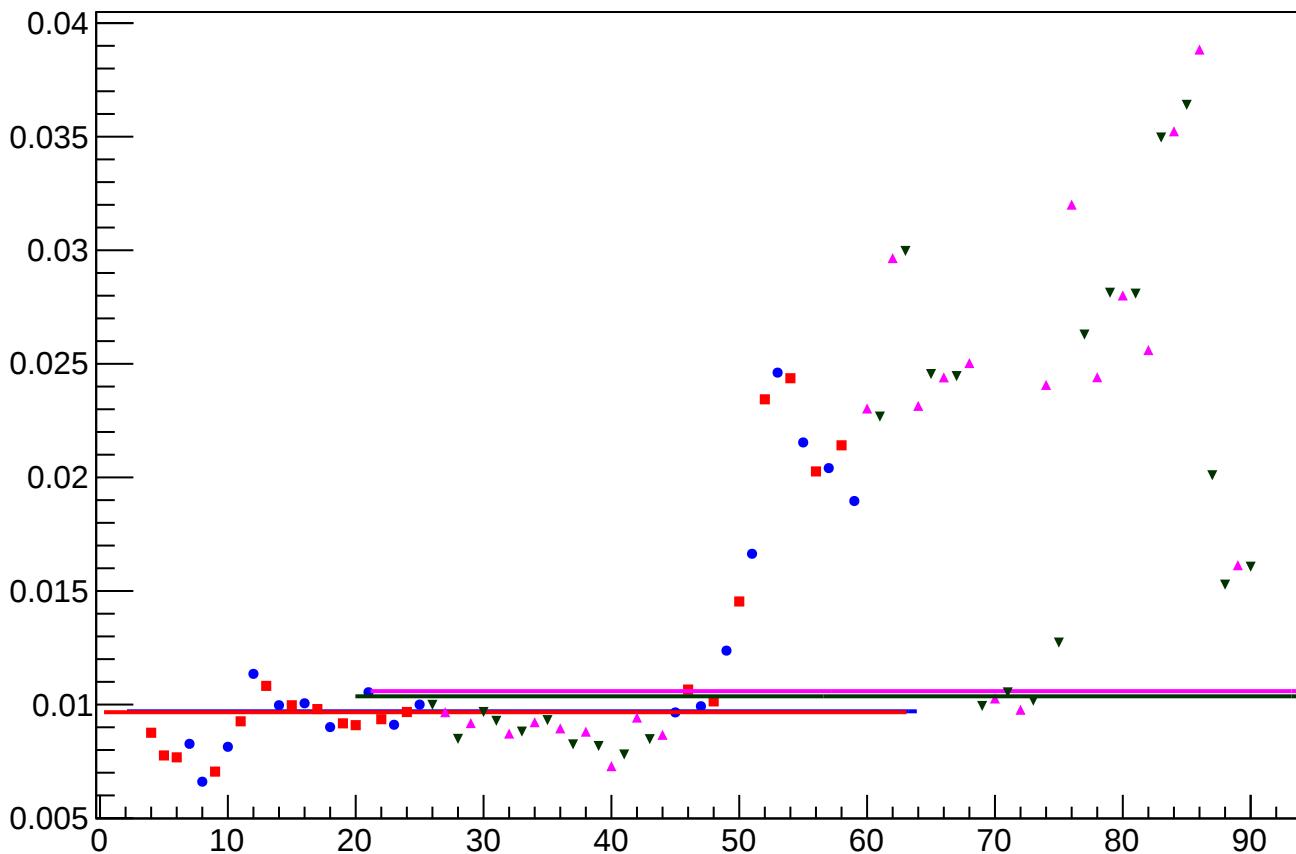
1.075+/-0.000 χ^2/NDF : 12251227895.5/43

Right Out: 1.003+/-0.000 χ^2/NDF : 10291656361.5/18

1.052+/-0.000 χ^2/NDF : 12009623223.8/42

Left In: 1.103+/-0.000 χ^2/NDF :1271644812.5/23

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 : 3933936.3/25

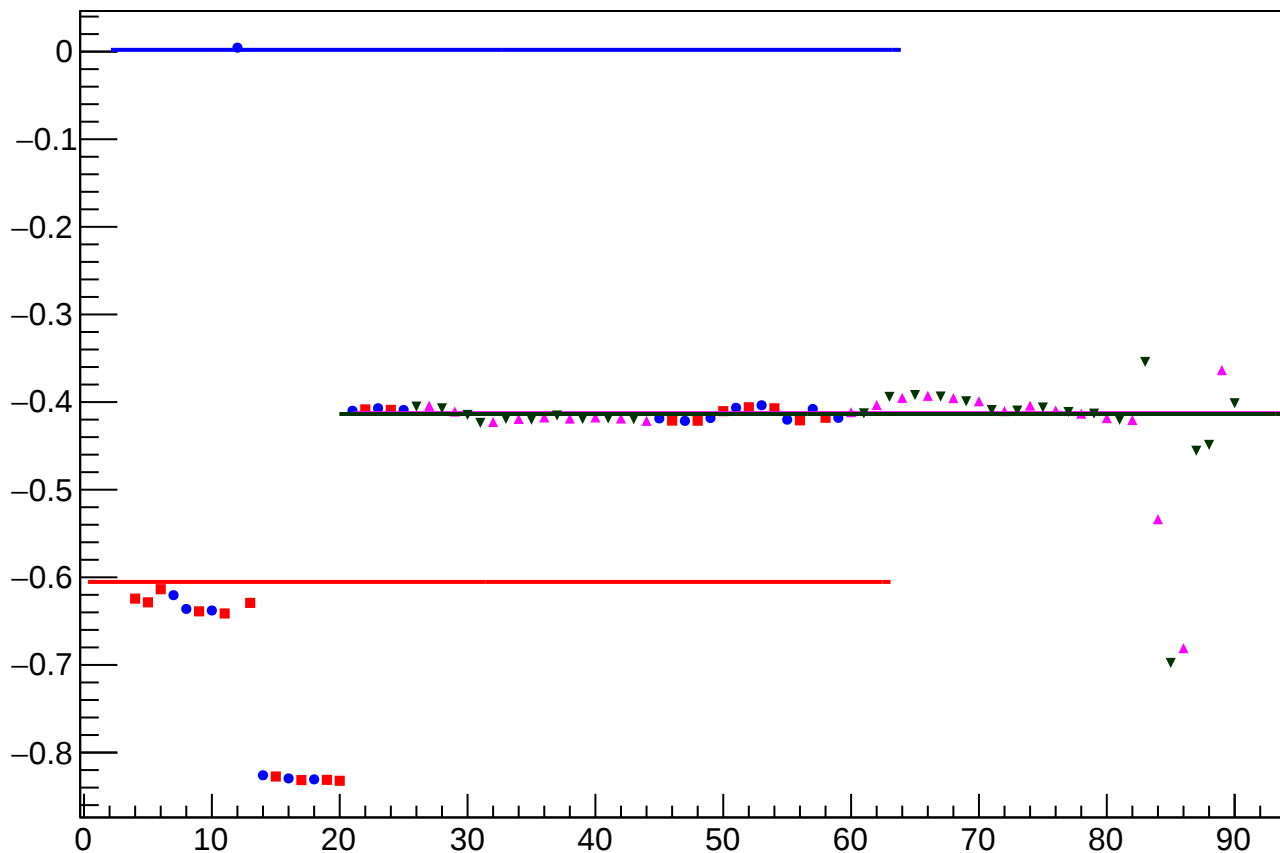
Right Out: 0.010+/-0.000 χ^2/NDF : 1597012.3/18

Left In: 0.011+/-0.000 χ^2/NDF : 4614263.7/23

0.010+/-0.000 χ^2/NDF : 5882179.0/43

0.010+/-0.000 χ^2/NDF : 6288436.5/42

yield_bpm4acX_mean vs slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 59749781854.5/17

Left Out: -0.414 $\pm$ 0.000 χ^2 /NDF: 149155547.8/25

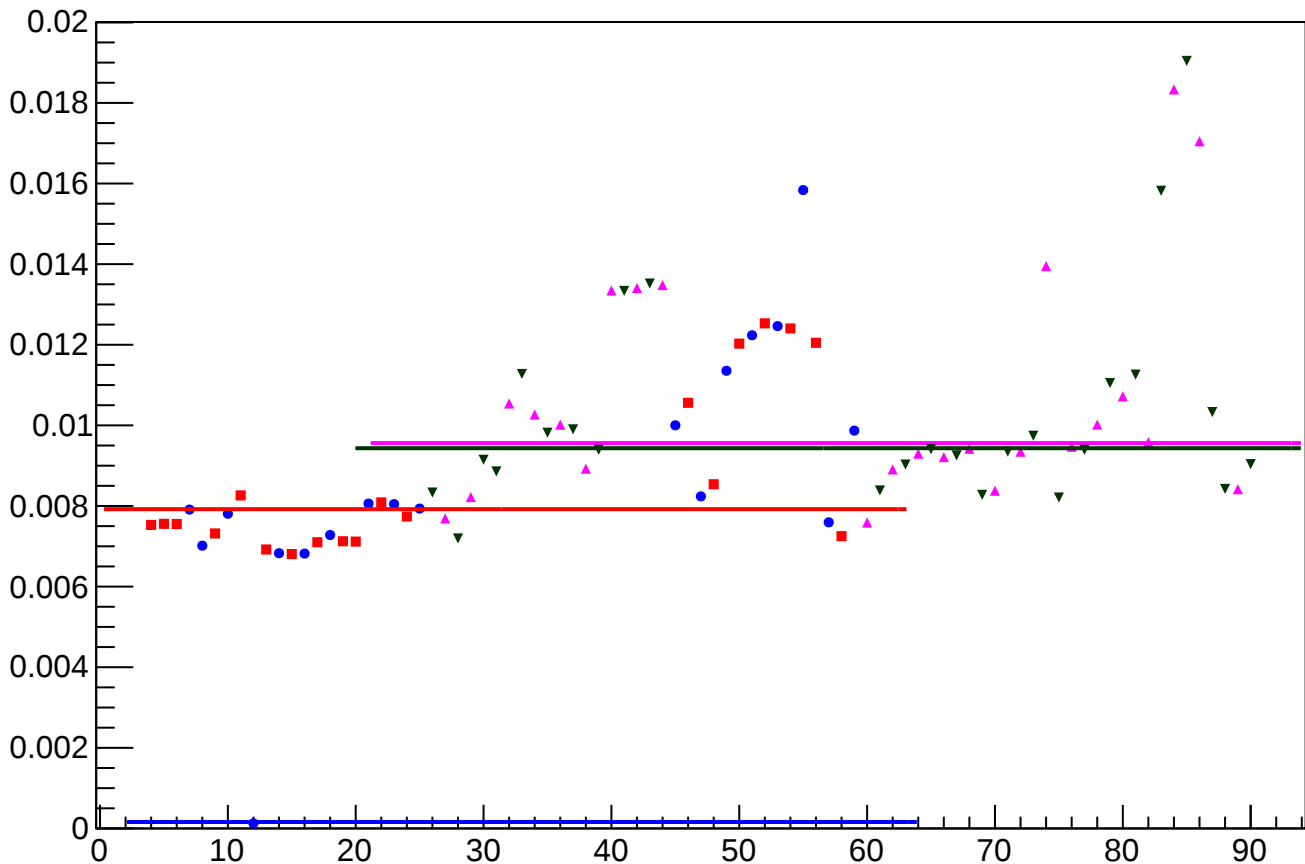
Right Out: -0.605 $\pm$ 0.000 χ^2 /NDF: 3819629229.5/18

Left In: -0.413 $\pm$ 0.000 χ^2 /NDF: 178454717.3/23

0.000 $\pm$ 0.000 χ^2 /NDF: 83497946858.0/43

-0.514 $\pm$ 0.000 χ^2 /NDF: 6662790836.7/42

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 : 906094.1/25

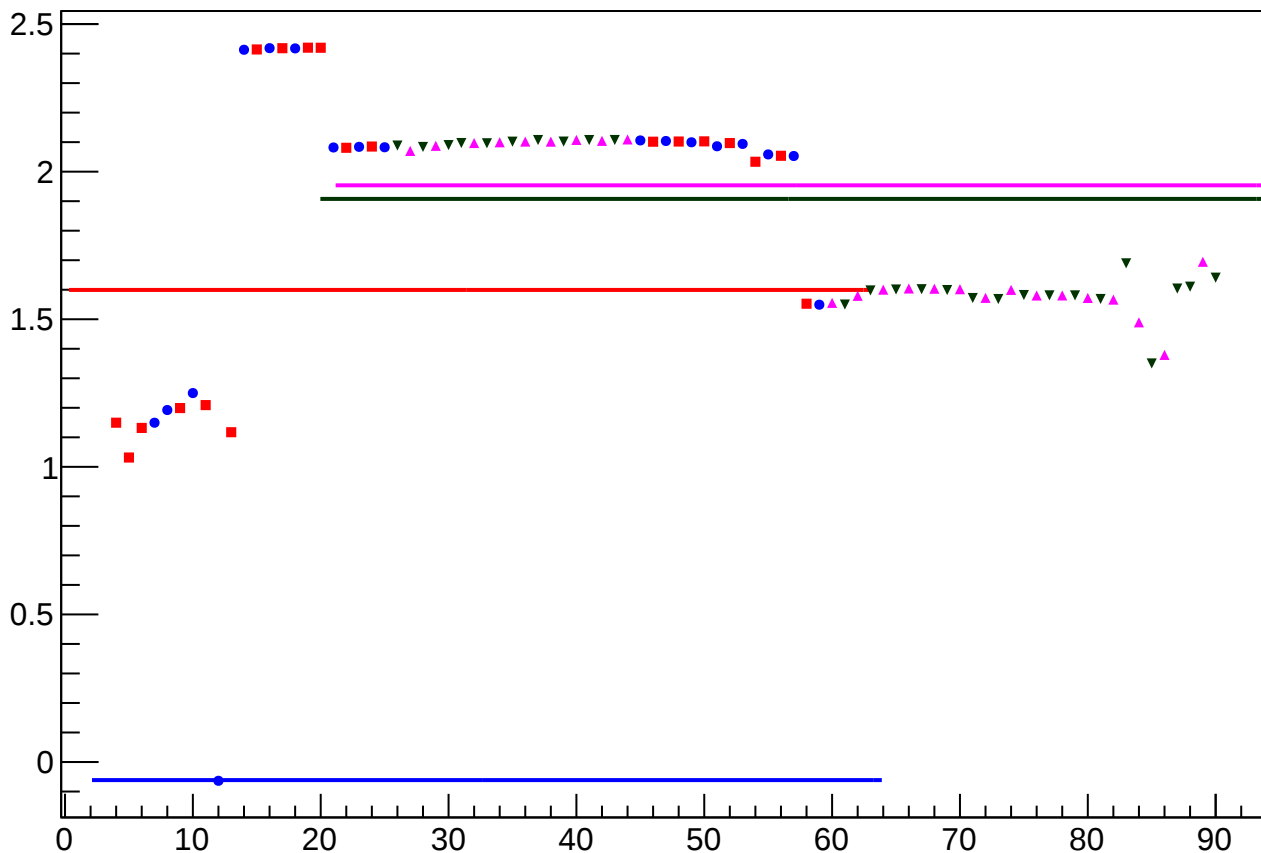
Right Out: 0.008+/-0.000 χ^2/NDF : 697414.3/18

Left In: 0.010+/-0.000 χ^2/NDF : 1084014.4/23

0.000+/-0.000 χ^2/NDF : 44661912.3/43

0.009+/-0.000 χ^2/NDF : 2167236.8/42

yield_bpm4acY_mean vs slug



Right In: -0.061+/-0.000 χ^2/NDF : 171003968524.2/17

Left Out: 1.908+/-0.000 χ^2/NDF : 2662788932.1/25

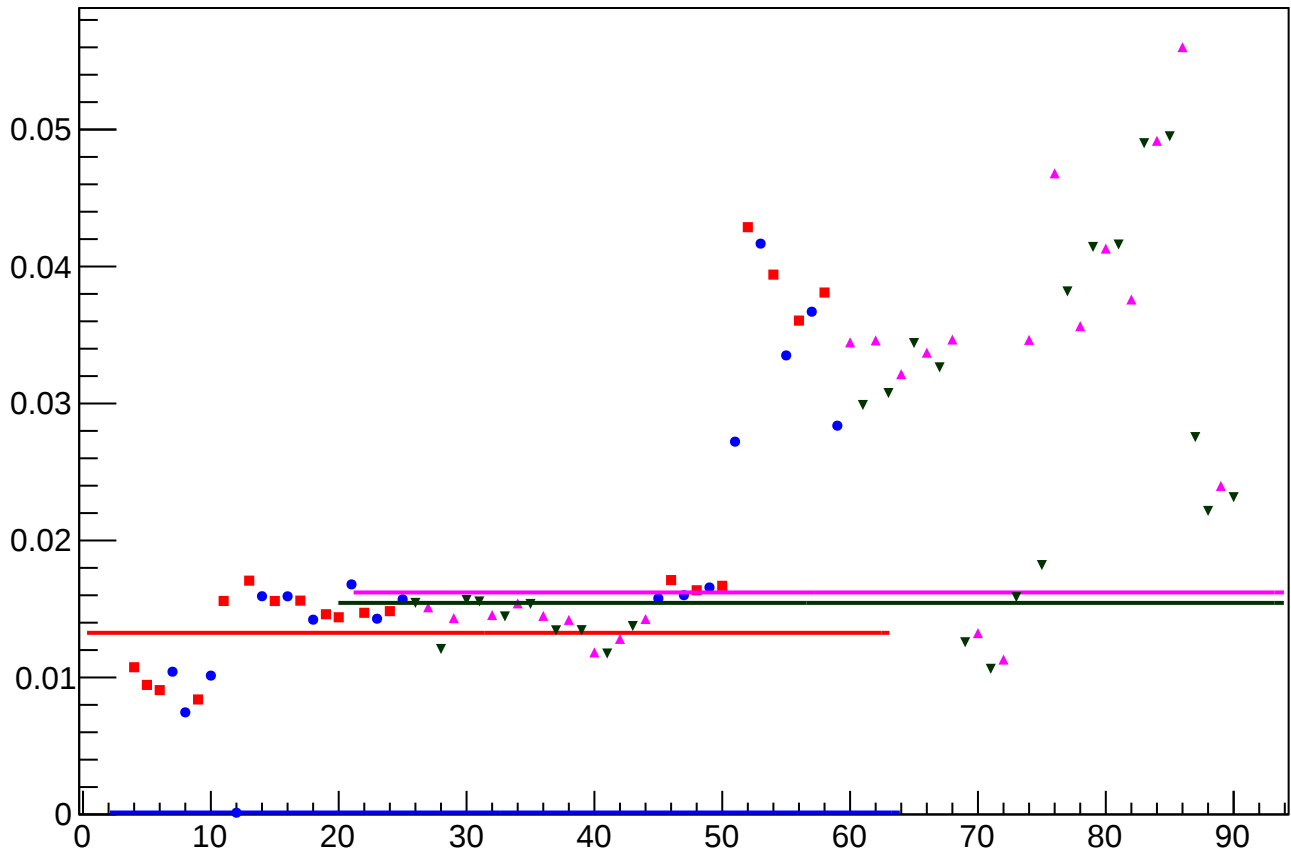
-0.059+/-0.000 χ^2/NDF : 338888990108.1/43

Right Out: 1.599+/-0.000 χ^2/NDF : 13096029057.2/18

1.761+/-0.000 χ^2/NDF : 17737936175.4/42

Left In: 1.954+/-0.000 χ^2/NDF : 2020155291.3/23

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 : 3631174.2/25

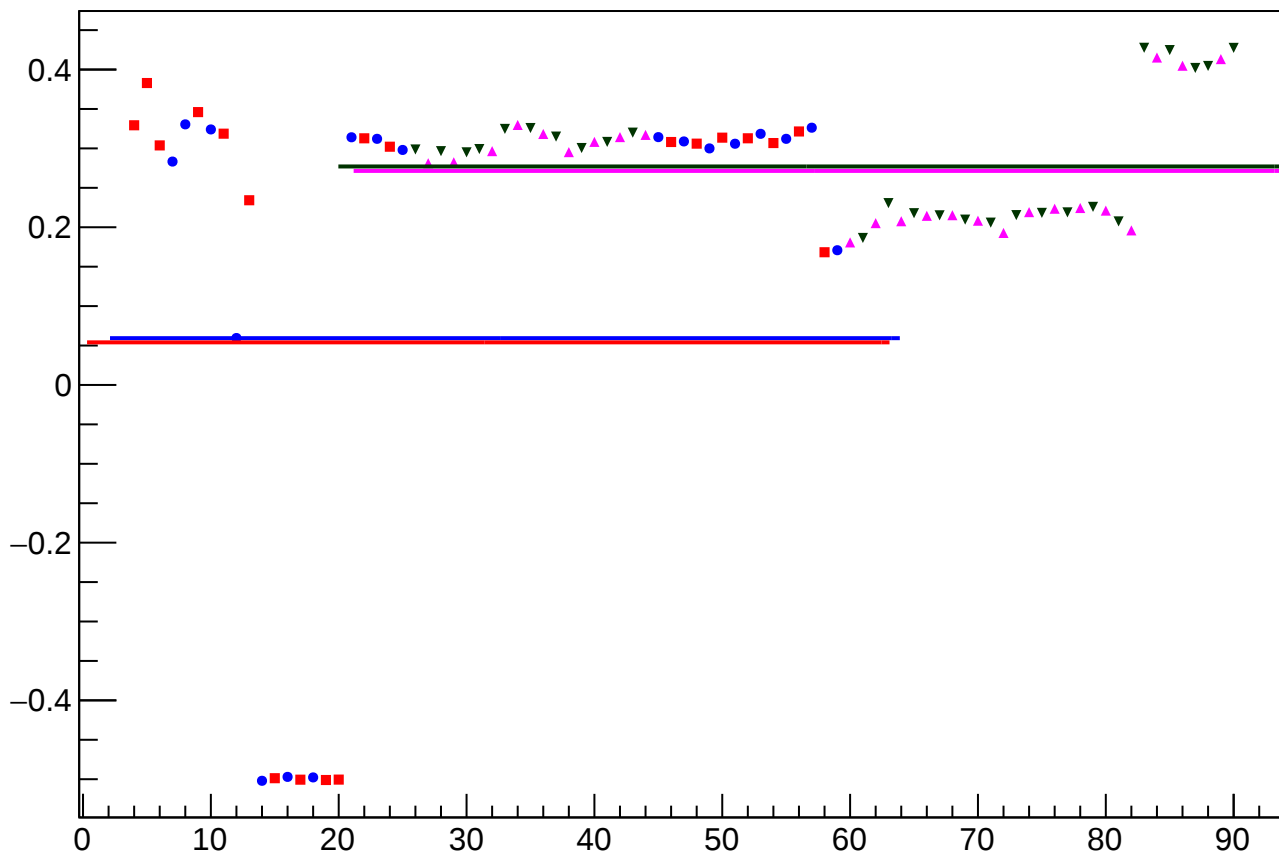
Right Out: 0.013+/-0.000 χ^2/NDF : 2690130.8/18

Left In: 0.016+/-0.000 χ^2/NDF : 4226593.1/23

0.000+/-0.000 χ^2/NDF : 43220191.1/43

0.015+/-0.000 χ^2/NDF : 7279359.6/42

yield_bpm4ecX_mean vs slug



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

Left Out: 0.277+/-0.000 χ^2/NDF : 61763423.7/25

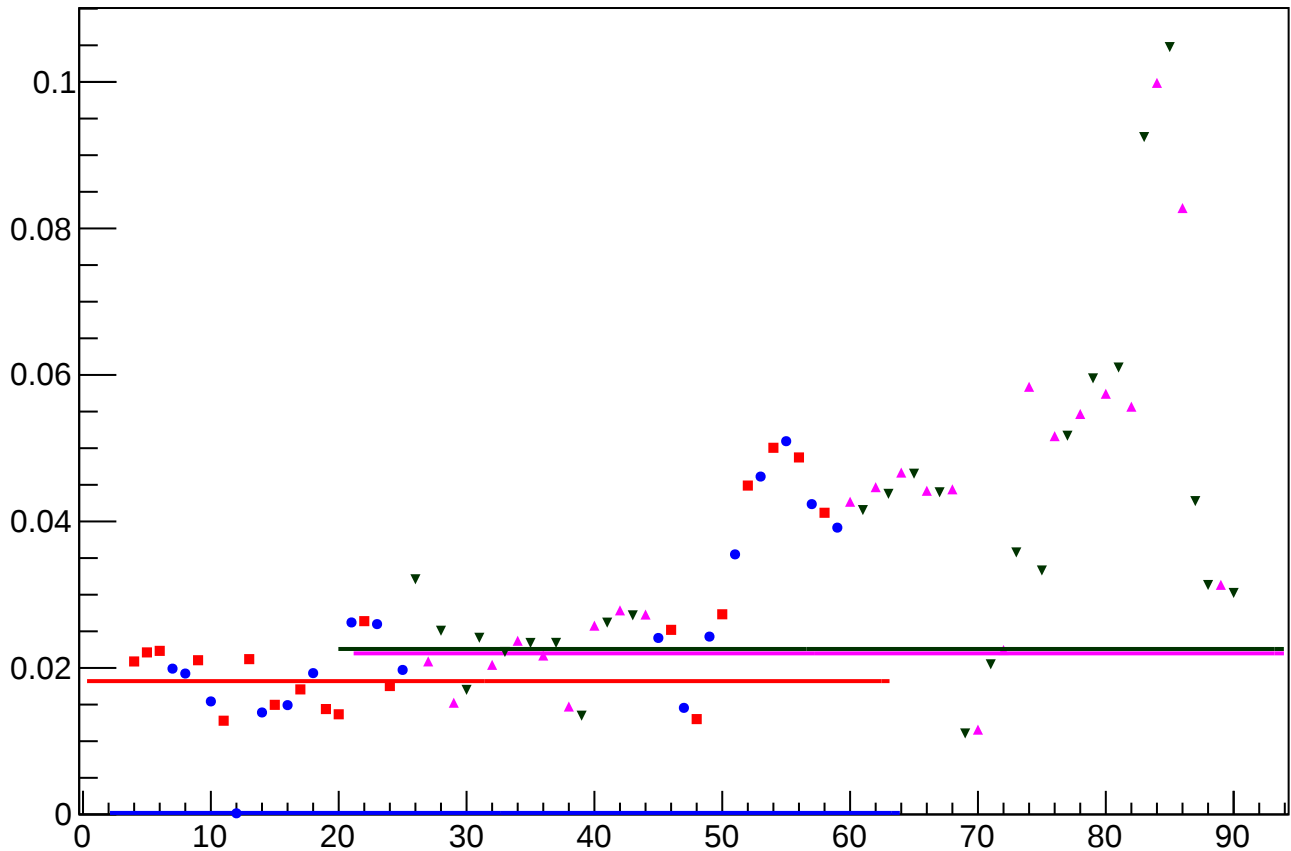
Right Out: 0.054+/-0.000 χ^2/NDF : 3509628523.3/18

Left In: 0.271+/-0.000 χ^2/NDF : 50469557.3/23

0.060+/-0.000 χ^2/NDF : 4851507125.8/43

0.150+/-0.000 χ^2/NDF : 4087174067.4/42

yield_bpm4ecX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 19749394.2/17

Left Out: 0.023+/-0.000 χ^2/NDF : 5224805.9/25

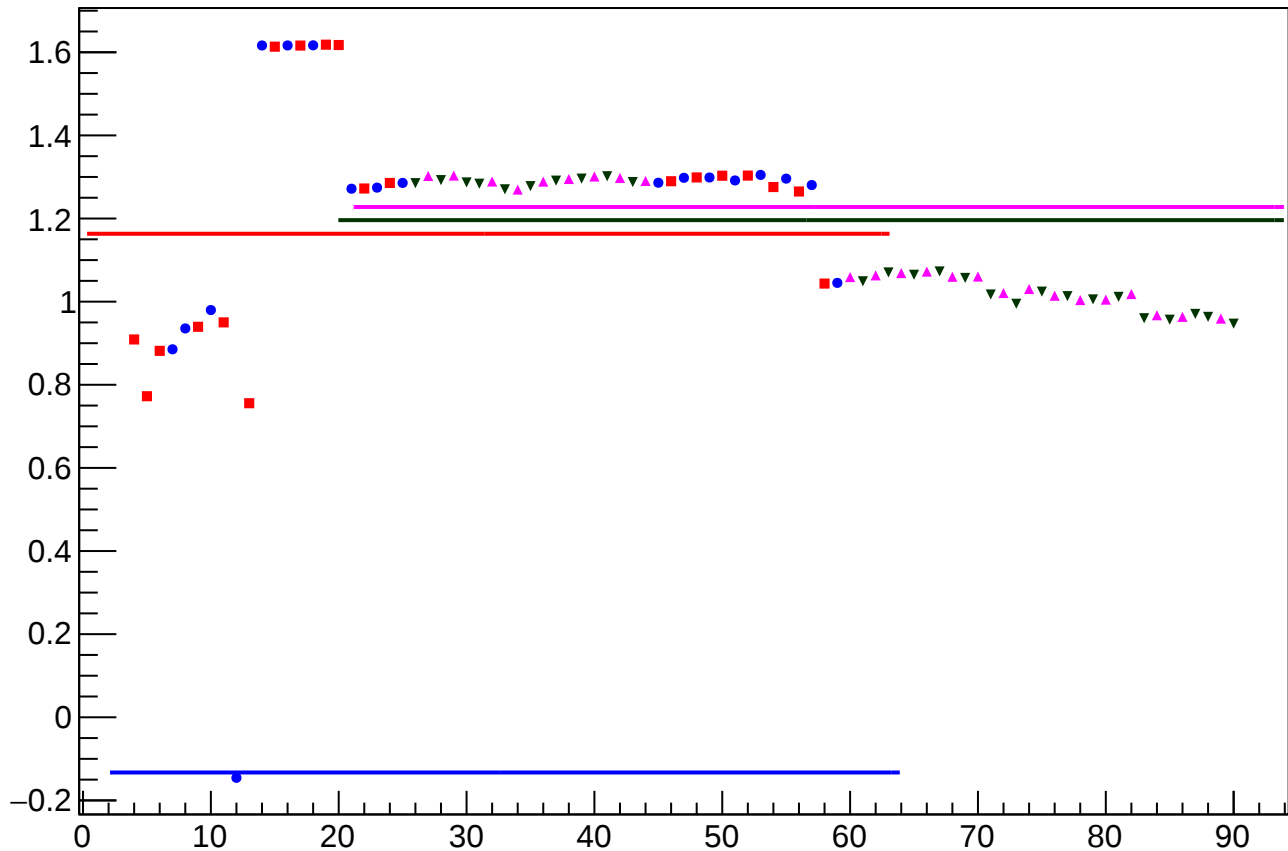
Right Out: 0.018+/-0.000 χ^2/NDF : 2422437.2/18

Left In: 0.022+/-0.000 χ^2/NDF : 5720632.3/23

0.000+/-0.000 χ^2/NDF : 44007314.3/43

0.020+/-0.000 χ^2/NDF : 8463135.2/42

yield_bpm4ecY_mean vs slug



Right In: -0.133+/-0.000 χ^2/NDF : 169320914657.8/17

Left Out: 1.196+/-0.000 χ^2/NDF :1297454373.0/25

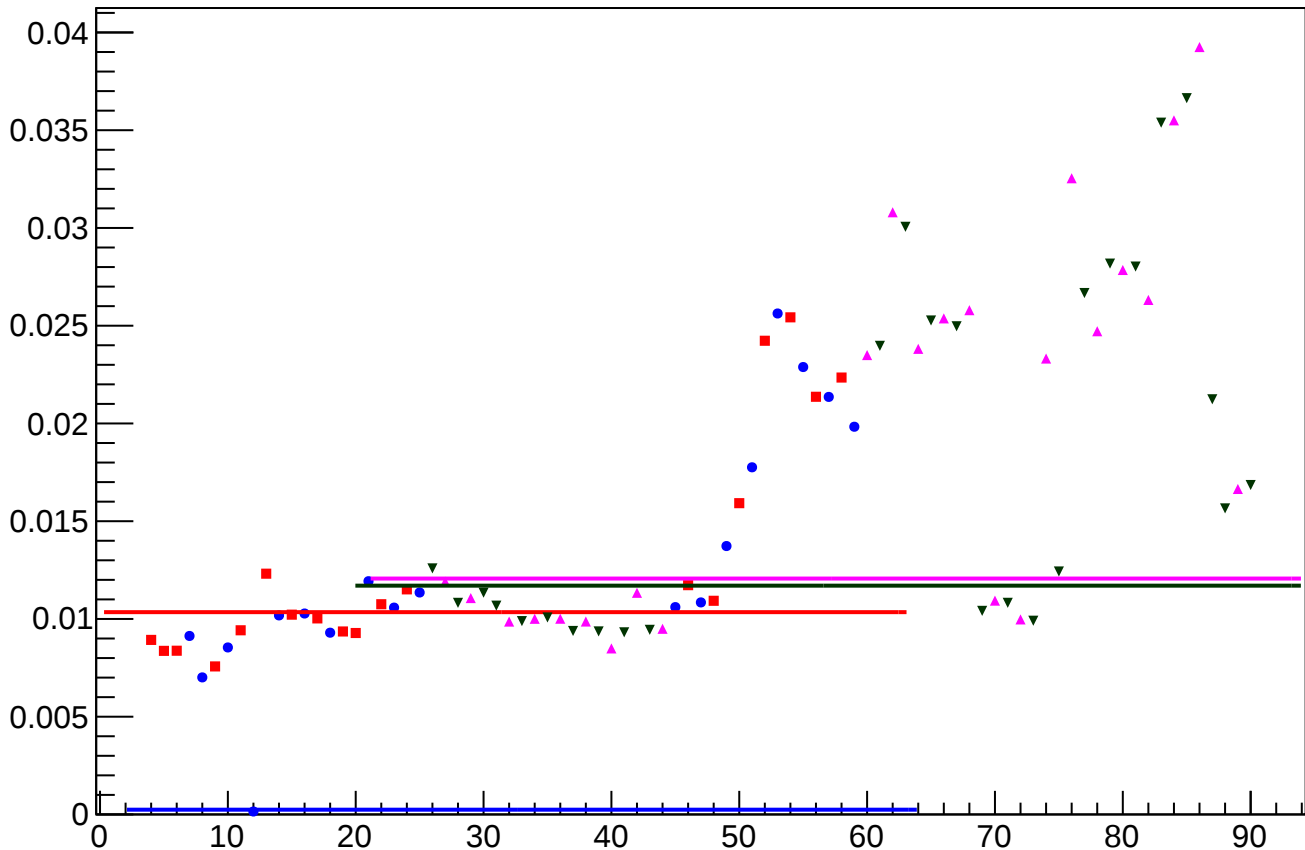
-0.122+/-0.000 χ^2/NDF : 303255365435.5/43

Right Out: 1.163+/-0.000 χ^2/NDF : 7253036603.9/18

1.193+/-0.000 χ^2/NDF : 8331185559.2/42

Left In: 1.228+/-0.000 χ^2/NDF :924343133.1/23

yield_bpm4ecY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 19204976.4/17

Left Out: 0.012+/-0.000 χ^2/NDF : 3381651.3/25

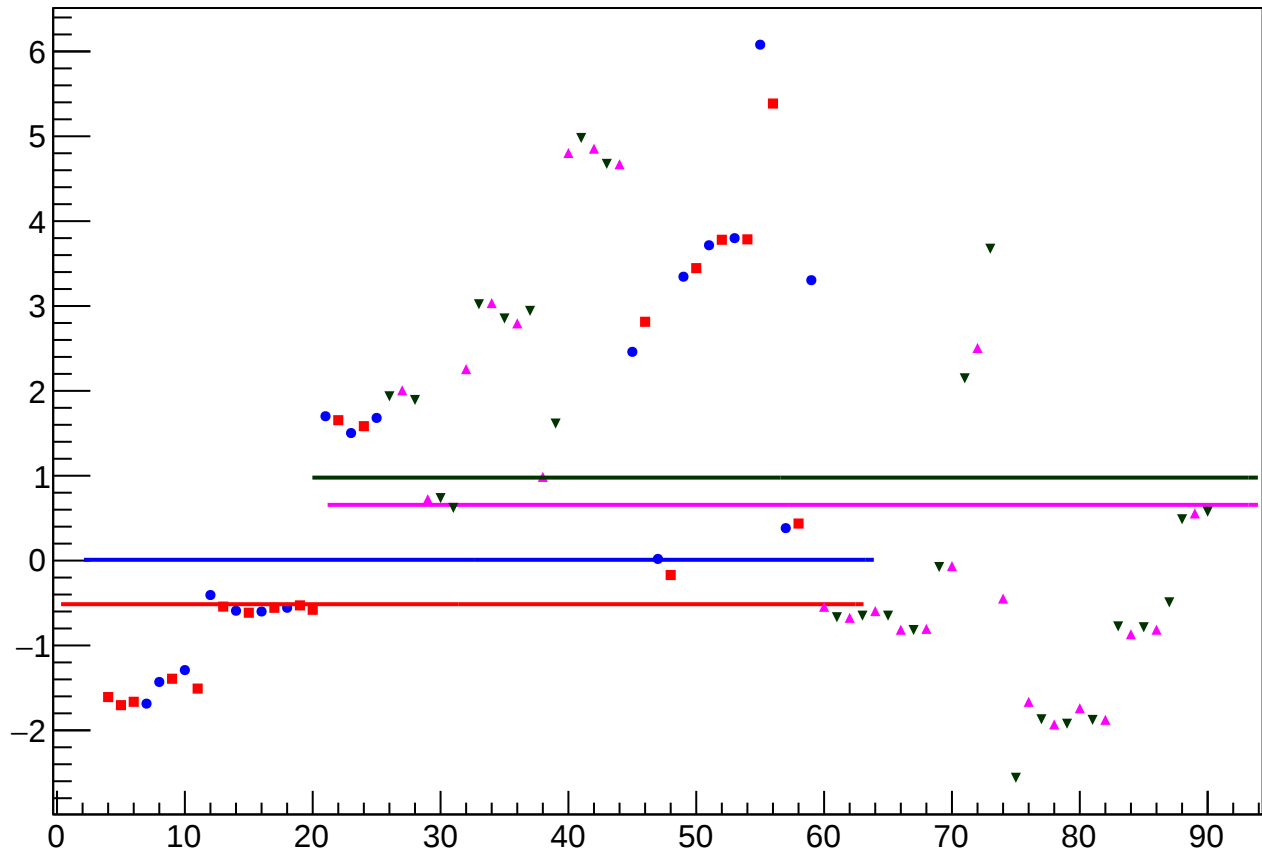
Right Out: 0.010+/-0.000 χ^2/NDF : 1619353.0/18

Left In: 0.012+/-0.000 χ^2/NDF : 4043956.0/23

0.000+/-0.000 χ^2/NDF : 42312988.8/43

0.011+/-0.000 χ^2/NDF : 5882659.8/42

yield_bpm1X_mean vs slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 18135045883.2/17

Left Out: 0.978 $\pm$ 0.000 χ^2 /NDF:3730924415.3/25

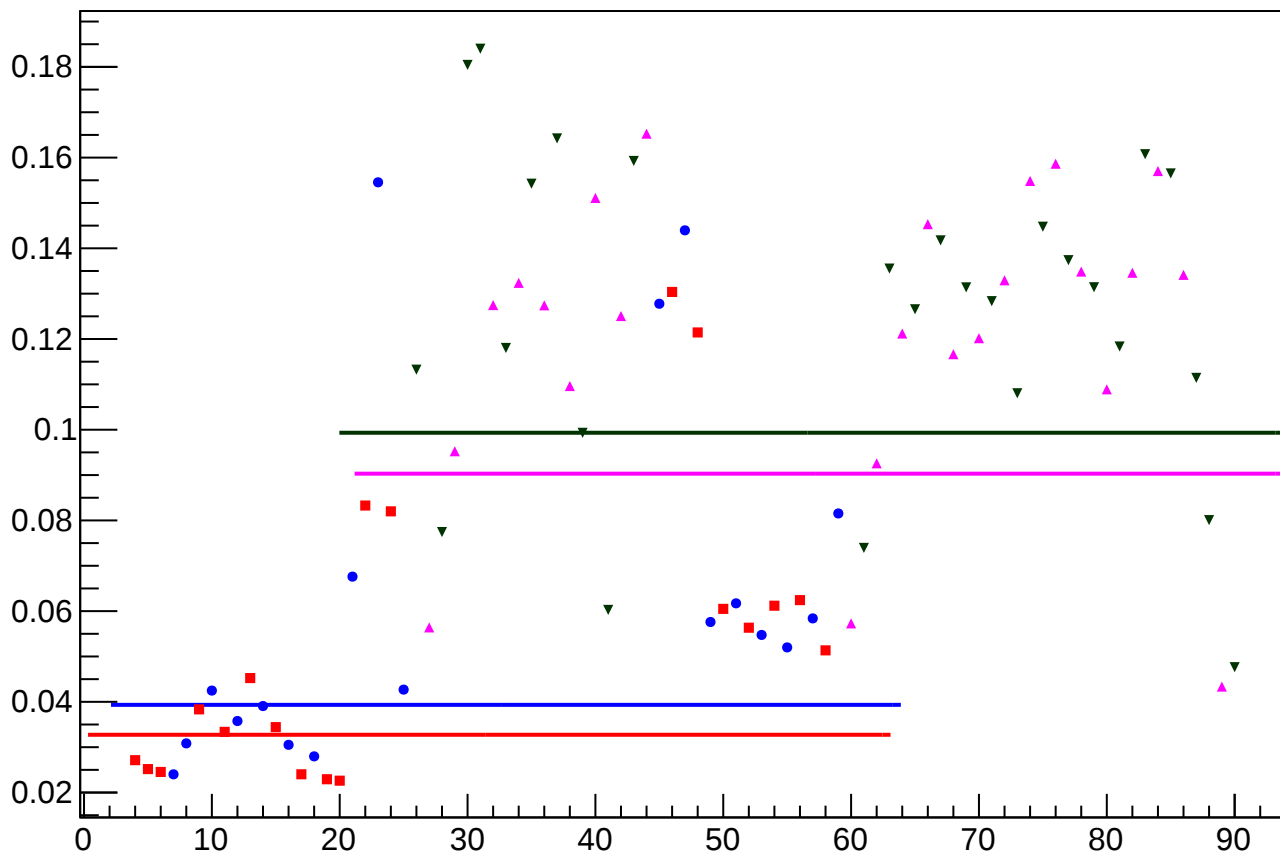
0.168 $\pm$ 0.000 χ^2 /NDF: 22598595690.5/43

Right Out: -0.514 $\pm$ 0.000 χ^2 /NDF: 14474436949.2/18

-0.331 $\pm$ 0.000 χ^2 /NDF: 18834542028.5/42

Left In: 0.657 $\pm$ 0.000 χ^2 /NDF:3050555387.4/23

yield_bpm1X_rms vs slug



Right In: 0.039+/-0.000 χ^2/NDF : 3078164.7/17

Left Out: 0.099+/-0.000 χ^2/NDF : 2935288.6/25

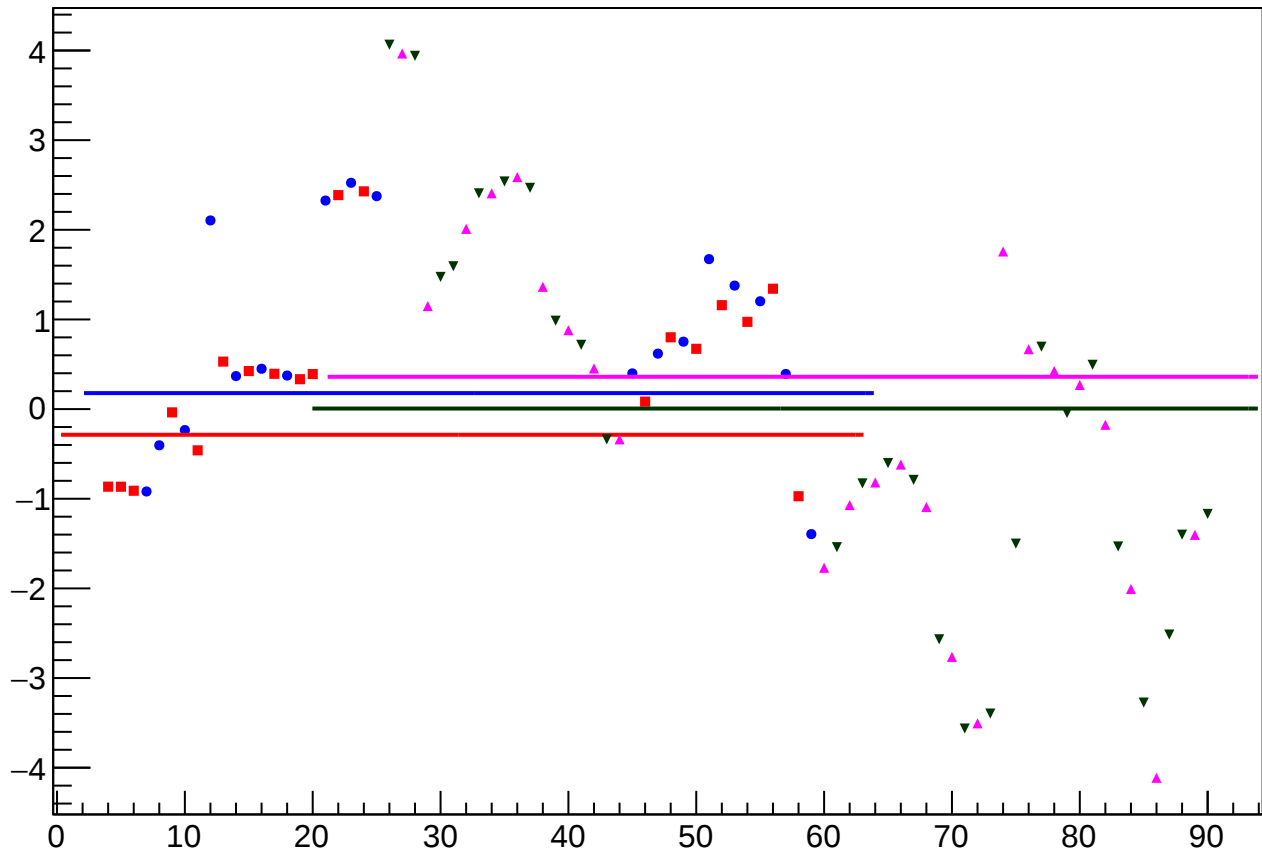
Right Out: 0.033+/-0.000 χ^2/NDF : 2838022.5/18

Left In: 0.090+/-0.000 χ^2/NDF : 3632945.4/23

0.049+/-0.000 χ^2/NDF : 11636396.0/43

0.042+/-0.000 χ^2/NDF : 12805322.1/42

yield_bpm1Y_mean vs slug



Right In: 0.178+/-0.000 χ^2/NDF : 9482704623.3/17

0.157+/-0.000 χ^2/NDF : 17704792442.8/43

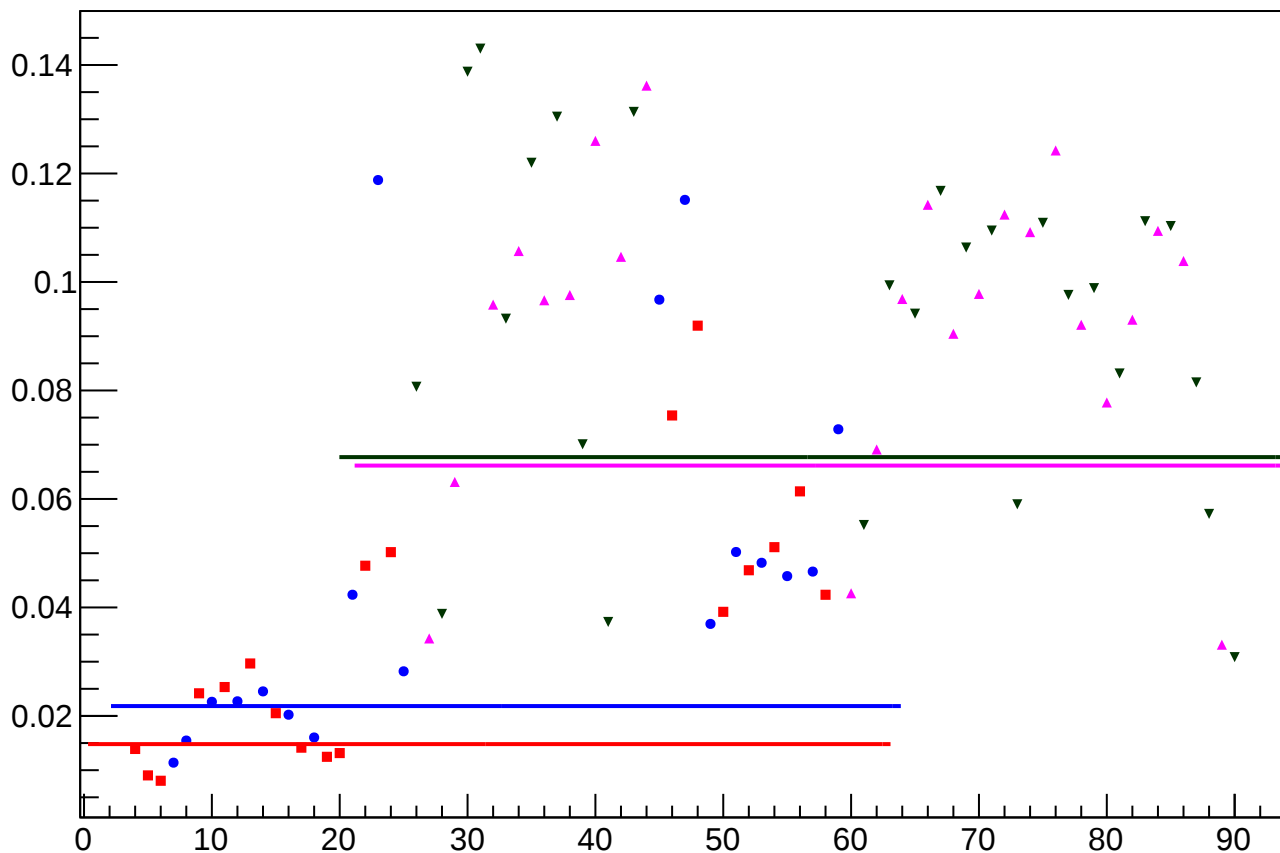
Left Out: 0.006+/-0.000 χ^2/NDF : 8176215808.8/25

Right Out: -0.286+/-0.000 χ^2/NDF : 10734675455.5/18

-0.233+/-0.000 χ^2/NDF : 21927587034.5/42

Left In: 0.360+/-0.000 χ^2/NDF : 10435916382.7/23

yield_bpm1Y_rms vs slug



Right In: 0.022+/-0.000 χ^2/NDF : 4669284.8/17

Left Out: 0.068+/-0.000 χ^2/NDF : 3944231.2/25

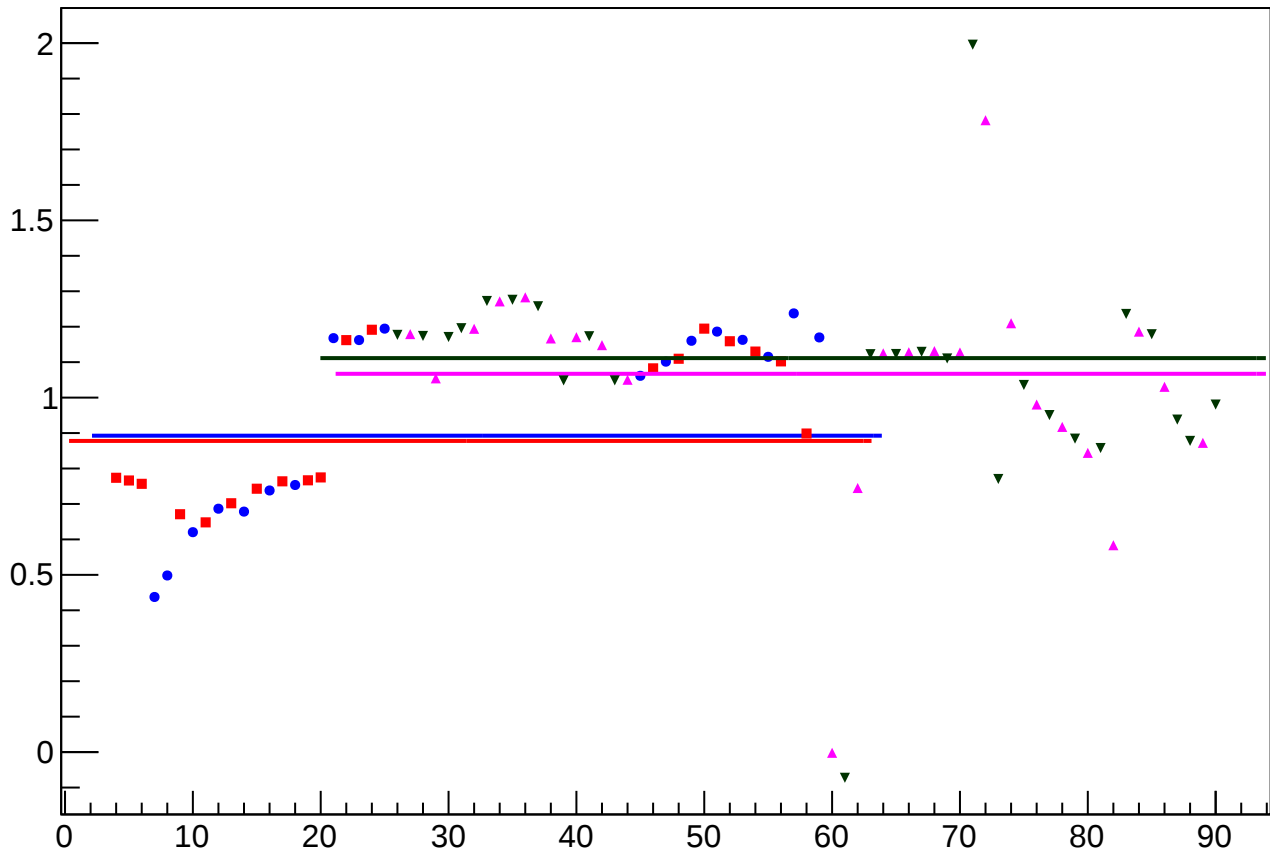
Right Out: 0.015+/-0.000 χ^2/NDF : 4938559.5/18

Left In: 0.066+/-0.000 χ^2/NDF : 4142303.0/23

0.028+/-0.000 χ^2/NDF : 15135734.1/43

0.019+/-0.000 χ^2/NDF : 18623545.8/42

yield_bpm11X_mean vs slug



Right In: 0.893+/-0.000 χ^2/NDF : 1629156385.0/17

Left Out: 1.111+/-0.000 χ^2/NDF : 2198007153.2/25

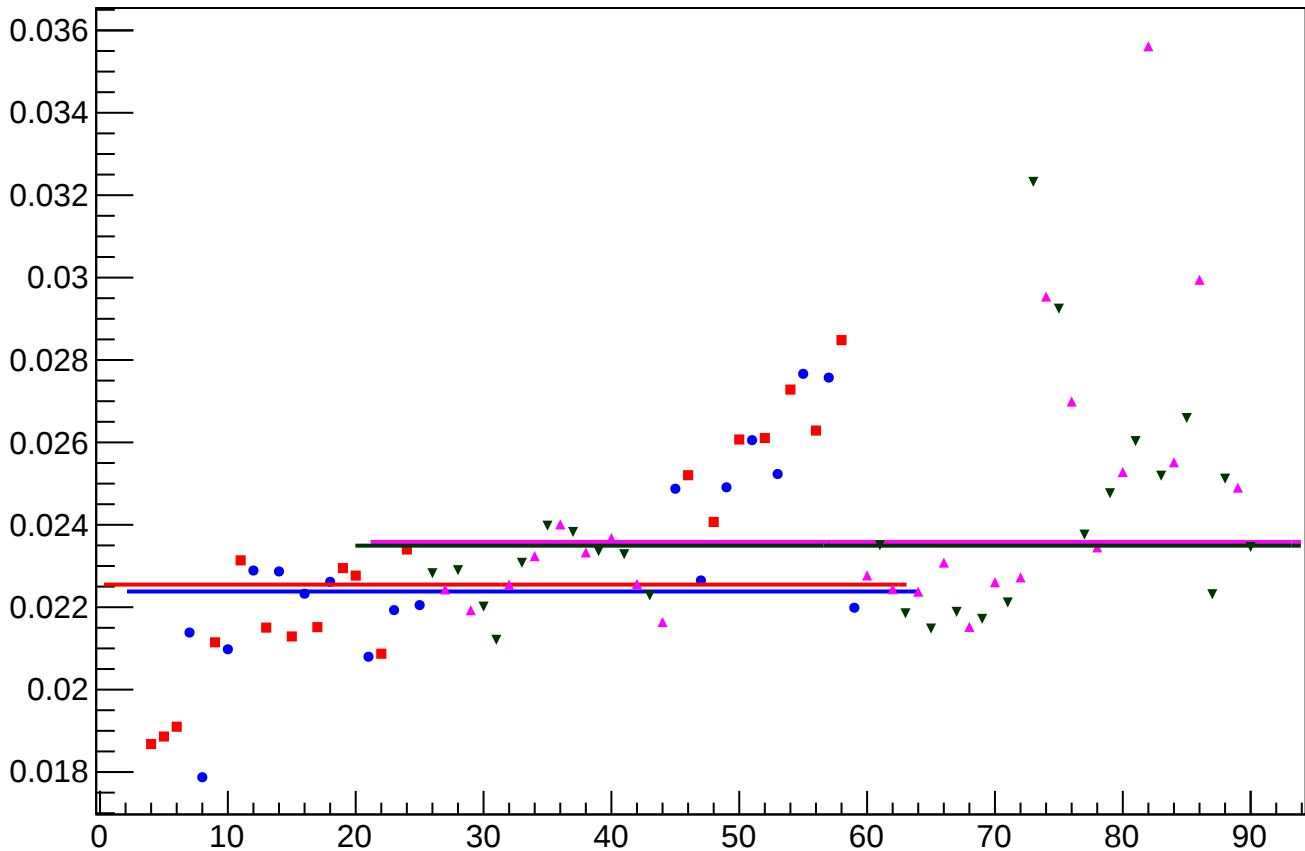
Right Out: 0.878+/-0.000 χ^2/NDF : 761495098.5/18

Left In: 1.067+/-0.000 χ^2/NDF : 1957138227.5/23

1.005+/-0.000 χ^2/NDF : 4353118520.8/43

0.982+/-0.000 χ^2/NDF : 3085162012.6/42

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 :193937.0/25

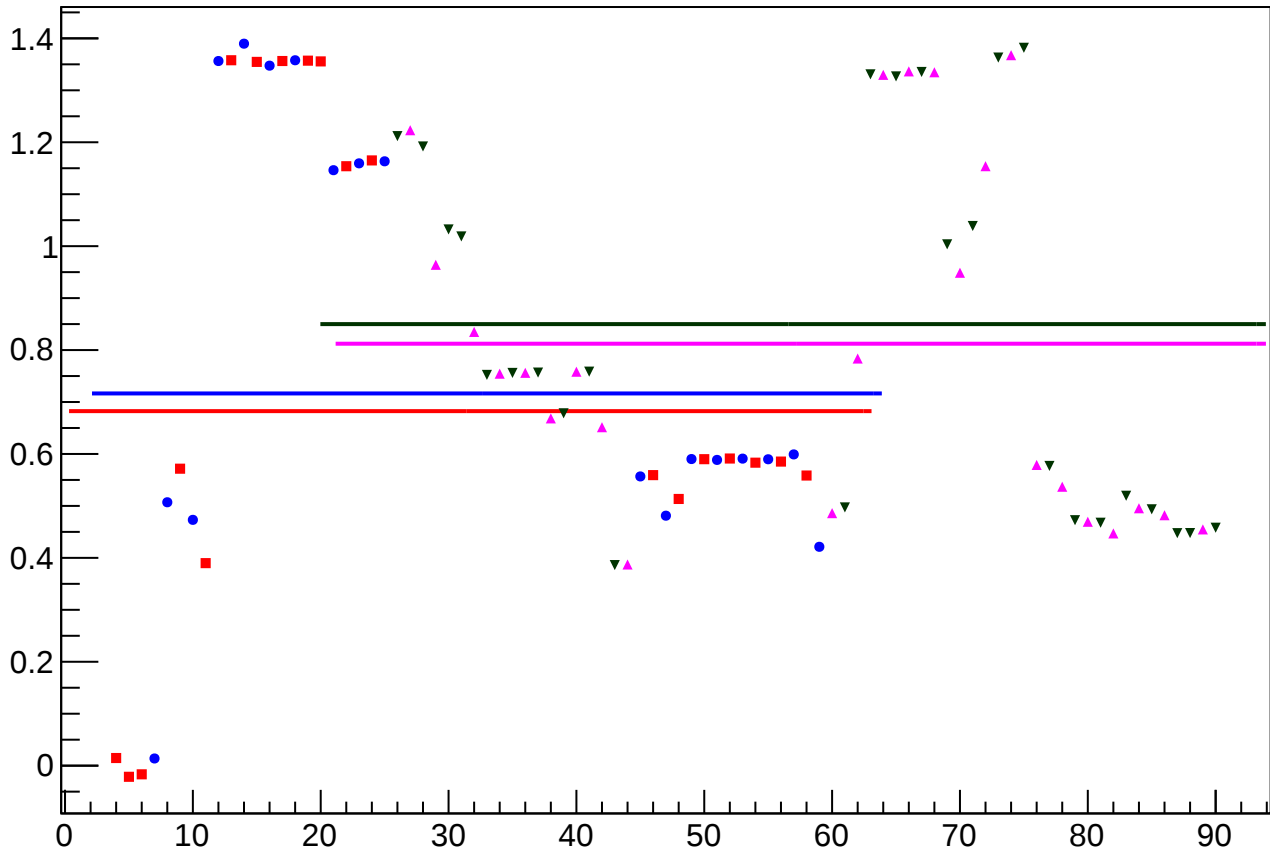
Right Out: 0.023+/-0.000 χ^2/NDF : 246194.4/18

Left In: 0.024+/-0.000 χ^2/NDF :258200.7/23

0.023+/-0.000 χ^2/NDF : 485721.2/43

0.023+/-0.000 χ^2/NDF : 526315.3/42

yield_bpm11Y_mean vs slug



Right In: 0.716+/-0.000 χ^2/NDF : 131330740430.7/17

Left Out: 0.850+/-0.000 χ^2/NDF : 130460135035.4/25

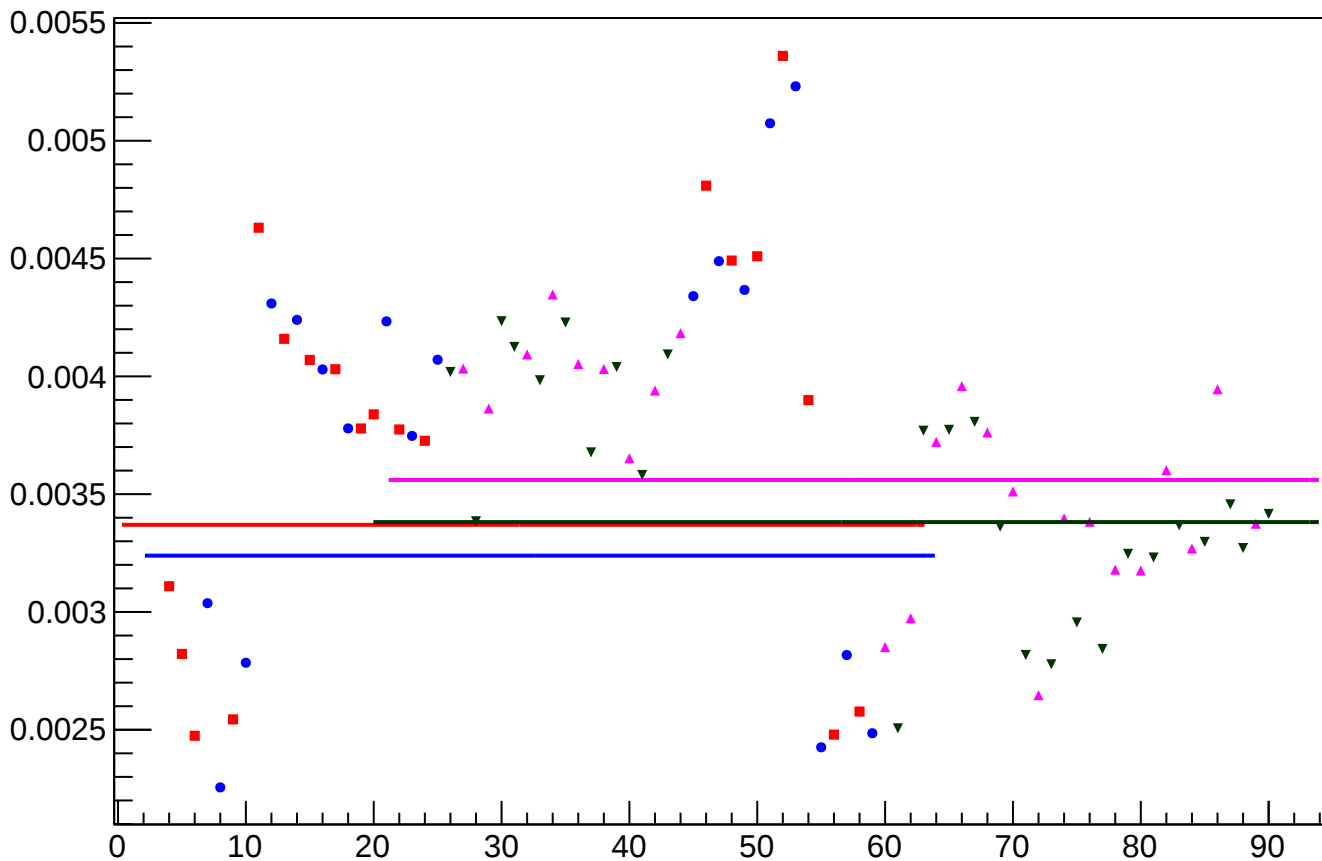
0.787+/-0.000 χ^2/NDF : 270755481660.5/43

Right Out: 0.682+/-0.000 χ^2/NDF : 168328456976.2/18

0.754+/-0.000 χ^2/NDF : 276744051505.3/42

Left In: 0.812+/-0.000 χ^2/NDF : 101049343170.5/23

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 : 495897.4/25

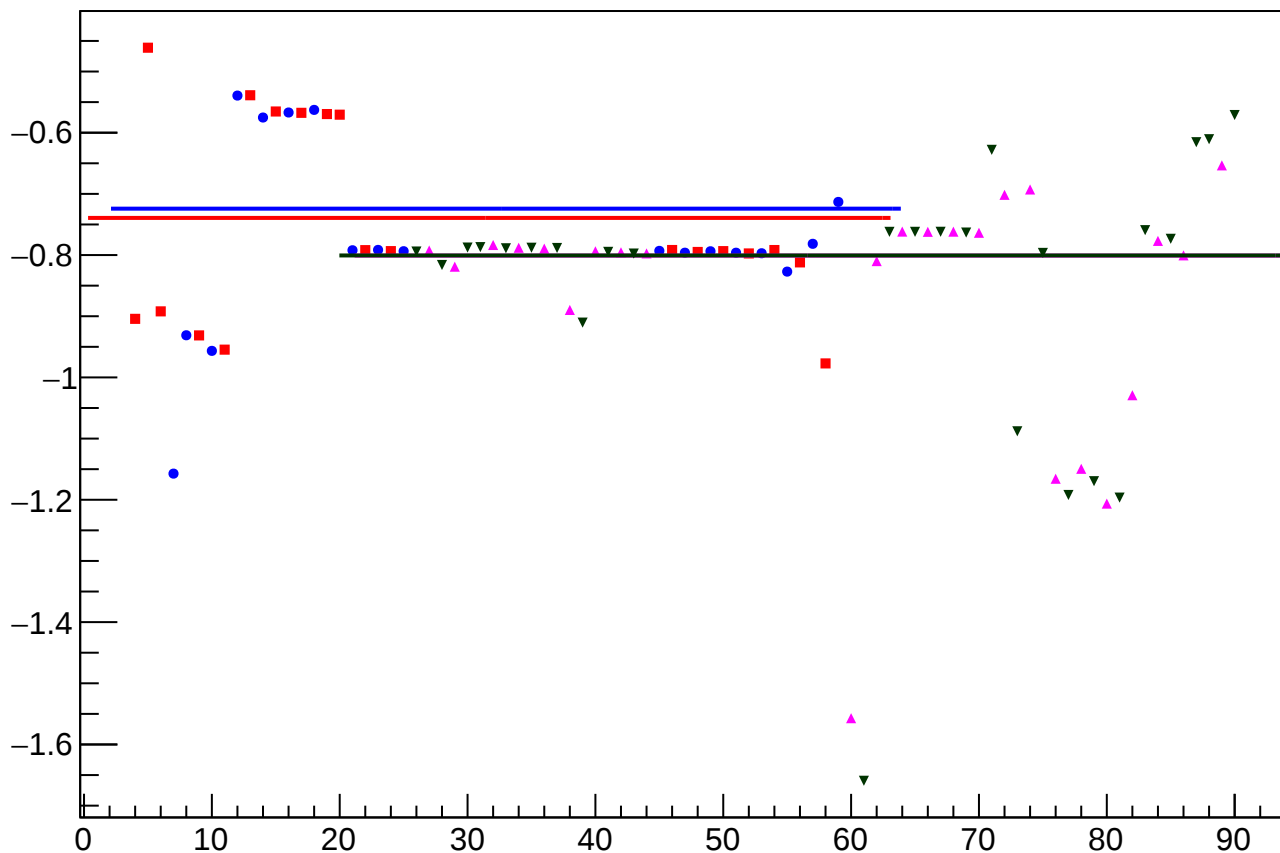
Right Out: 0.003+/-0.000 χ^2/NDF : 1158167.7/18

Left In: 0.004+/-0.000 χ^2/NDF : 407707.7/23

0.003+/-0.000 χ^2/NDF : 2069126.8/43

0.003+/-0.000 χ^2/NDF : 1597597.4/42

yield_bpm12X_mean vs slug



Right In: -0.724 ± 0.000 χ^2/NDF : 2243966662.4/17

Left Out: -0.801 ± 0.000 χ^2/NDF : 1060657407.8/25

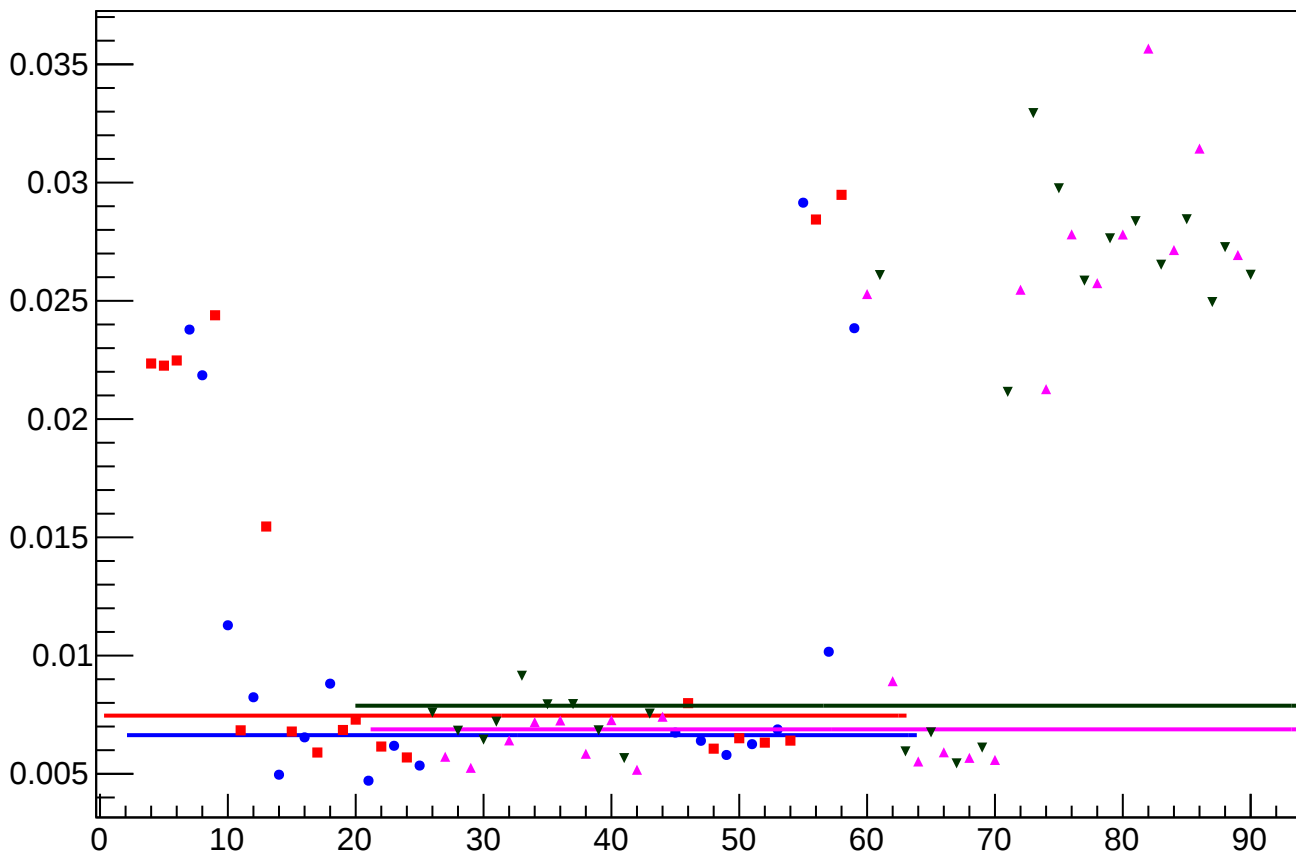
Right Out: -0.739 ± 0.000 χ^2/NDF : 1945829237.2/18

Left In: -0.801 ± 0.000 χ^2/NDF : 975087354.0/23

-0.758 ± 0.000 χ^2/NDF : 3719748954.2/43

-0.776 ± 0.000 χ^2/NDF : 3175435760.1/42

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 : 5925372.5/25

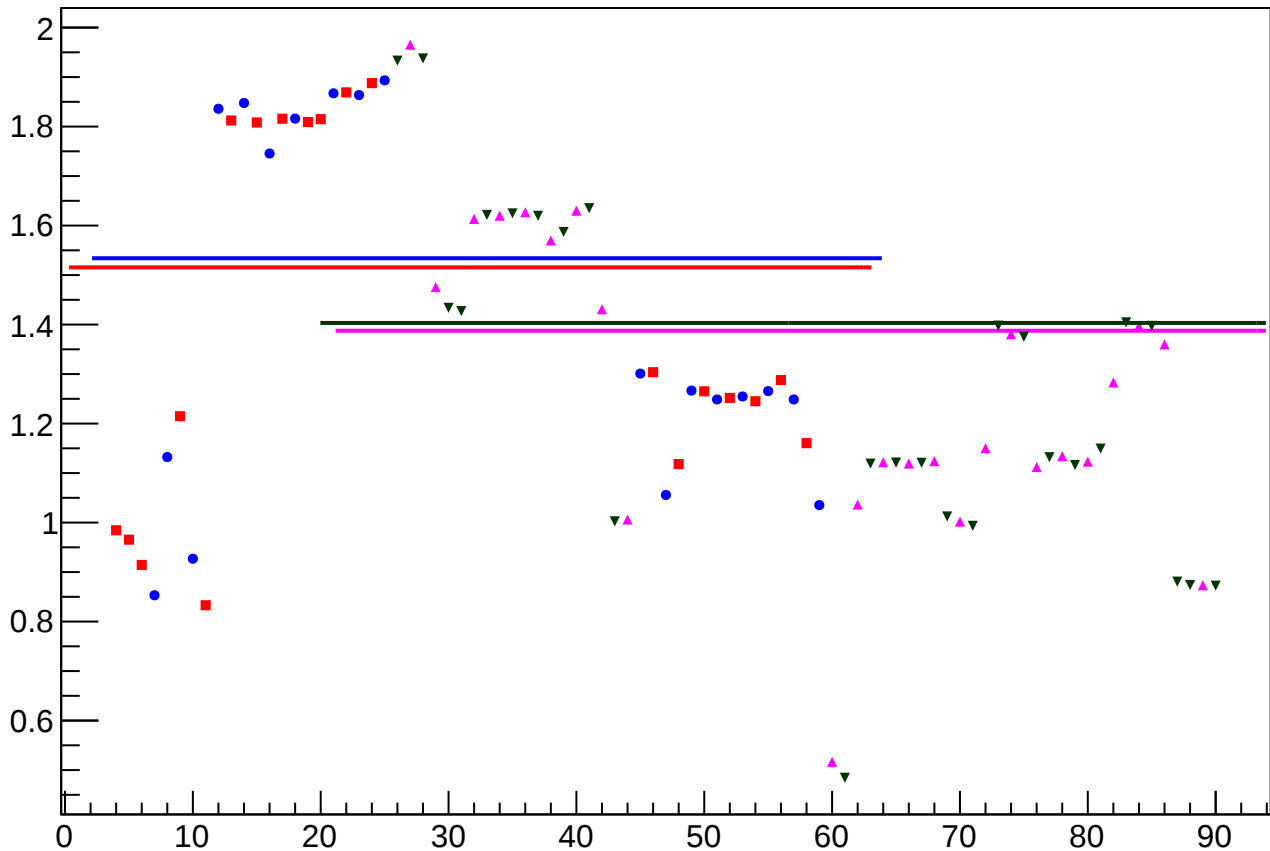
Right Out: 0.007+/-0.000 χ^2/NDF : 3478880.3/18

Left In: 0.007+/-0.000 χ^2/NDF : 5860331.5/23

0.007+/-0.000 χ^2/NDF : 9492959.7/43

0.007+/-0.000 χ^2/NDF : 9384468.5/42

yield_bpm12Y_mean vs slug



Right In: 1.534+/-0.000 χ^2/NDF : 22395382646.2/17

Left Out: 1.403+/-0.000 χ^2/NDF :19811126613.3/25

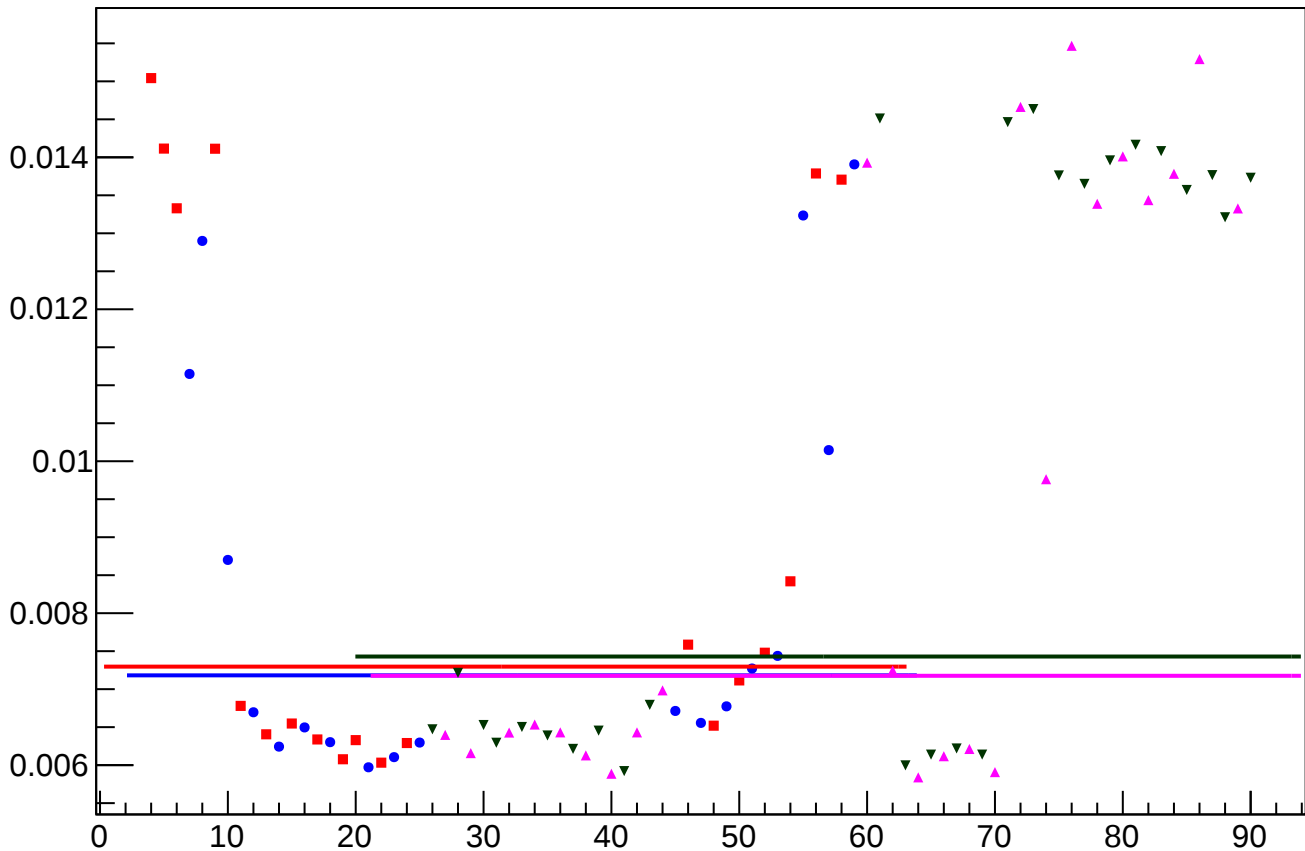
Right Out: 1.516+/-0.000 χ^2/NDF : 21754735470.0/18

Left In: 1.388+/-0.000 χ^2/NDF :20546153810.3/23

1.468+/-0.000 χ^2/NDF : 43844982990.8/43

1.442+/-0.000 χ^2/NDF : 43803489441.2/42

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 : 2740487.1/25

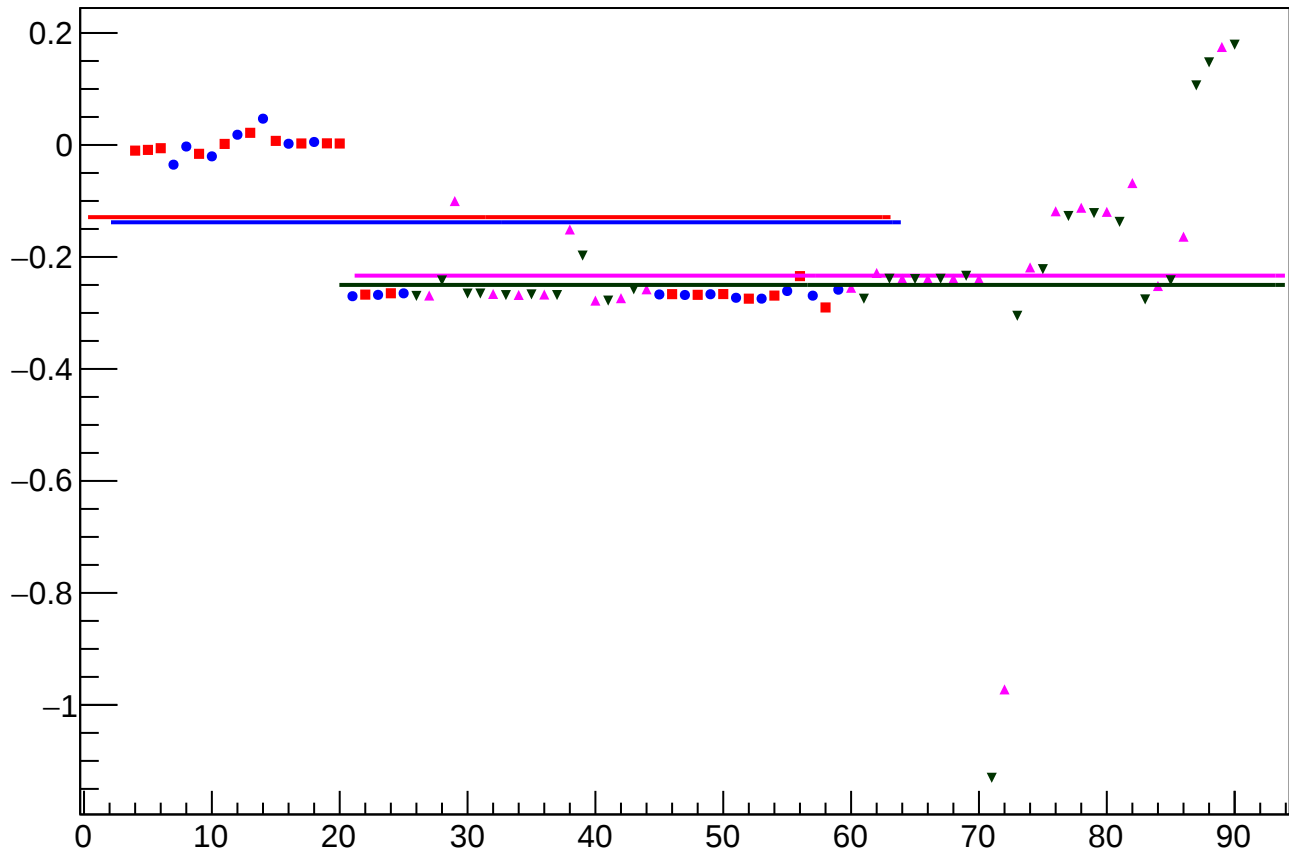
Right Out: 0.007+/-0.000 χ^2/NDF : 1457854.6/18

Left In: 0.007+/-0.000 χ^2/NDF : 2560945.2/23

0.007+/-0.000 χ^2/NDF : 4057812.0/43

0.007+/-0.000 χ^2/NDF : 4021466.1/42

yield_bpm16X_mean vs slug



Right In: -0.138+/-0.000 χ^2/NDF : 7275574194.7/17

Left Out: -0.250+/-0.000 χ^2/NDF : 8056439144.4/25

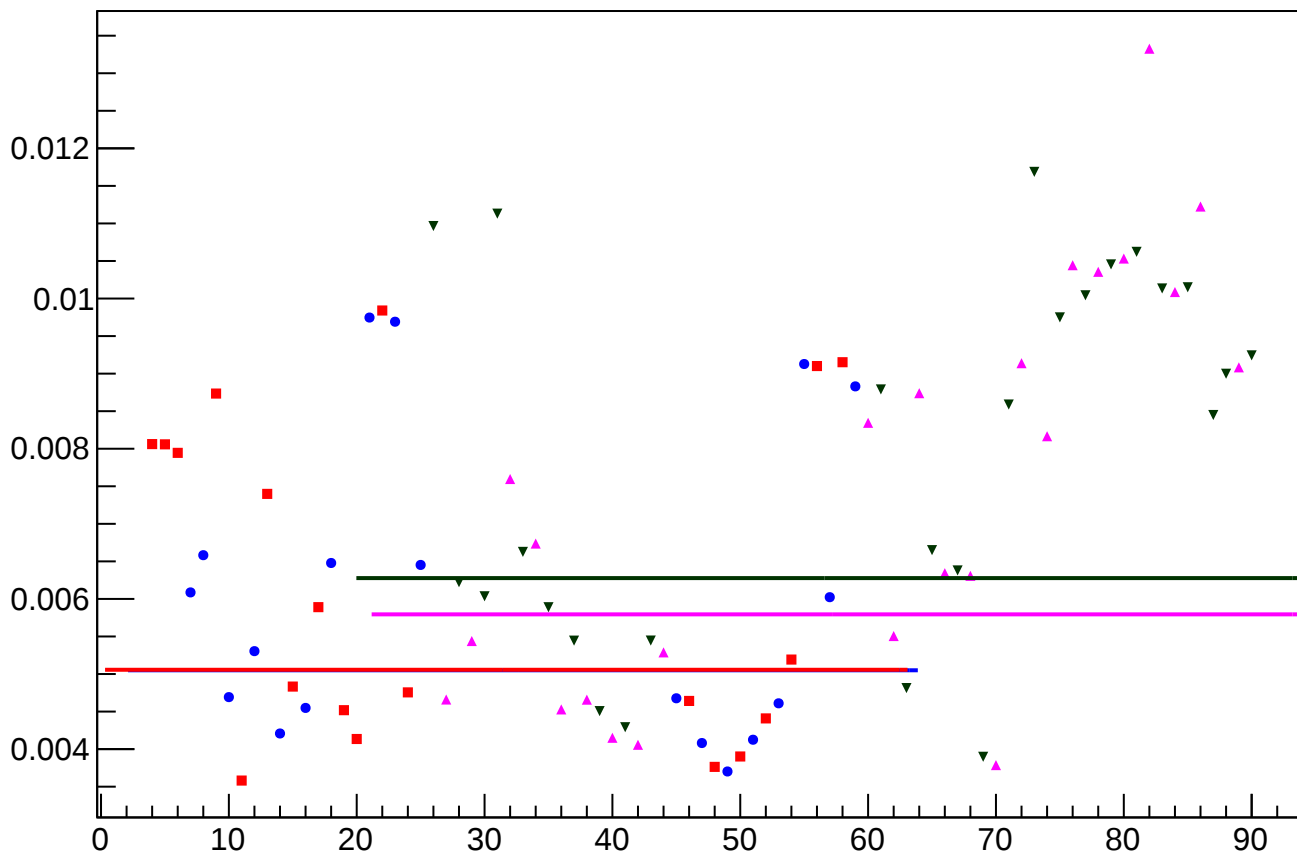
Right Out: -0.129+/-0.000 χ^2/NDF : 5878929515.5/18

Left In: -0.233+/-0.000 χ^2/NDF : 4777589217.1/23

-0.186+/-0.000 χ^2/NDF : 17294365931.7/43

-0.181+/-0.000 χ^2/NDF : 12411330508.1/42

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 : 2596358.8/25

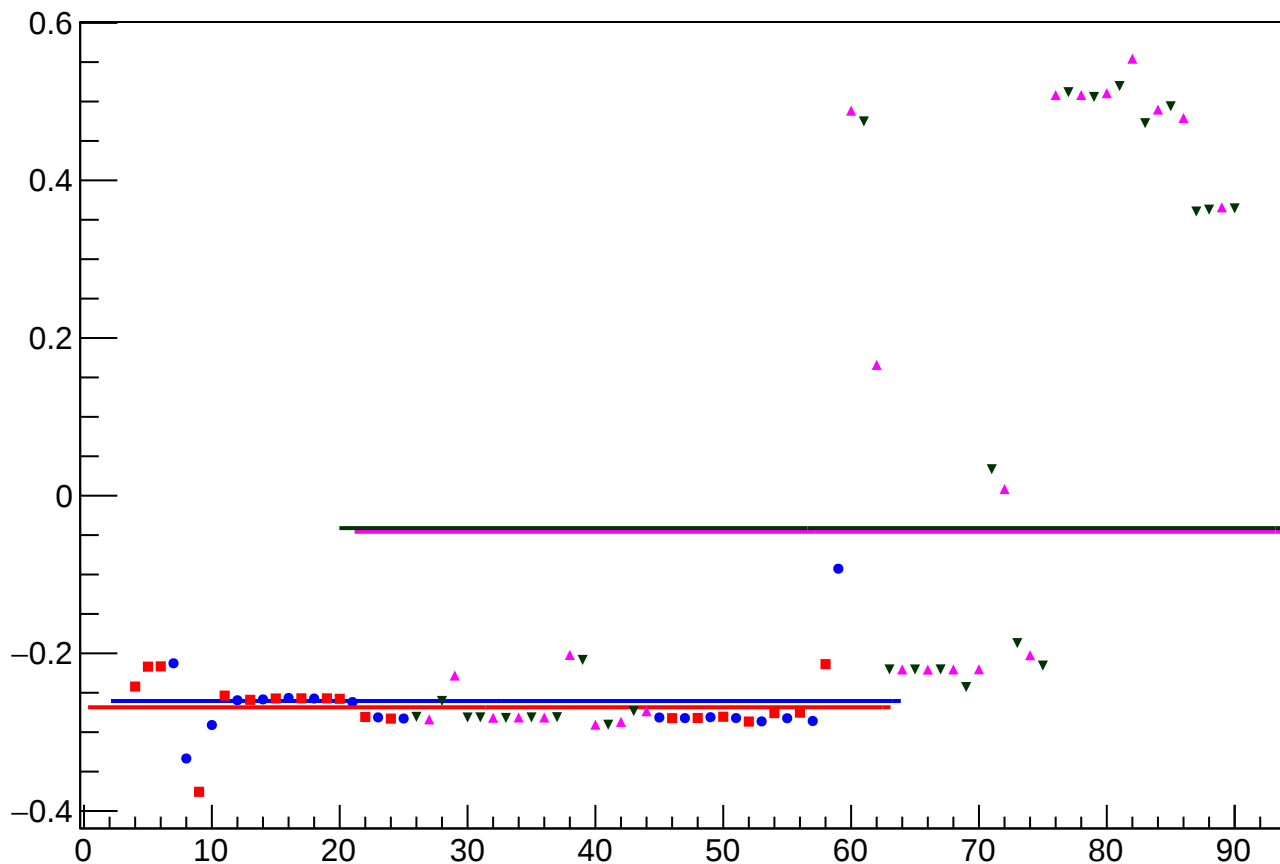
Right Out: 0.005+/-0.000 χ^2/NDF : 1822469.4/18

Left In: 0.006+/-0.000 χ^2/NDF : 2777297.5/23

0.006+/-0.000 χ^2/NDF : 4733511.2/43

0.005+/-0.000 χ^2/NDF : 4774972.5/42

yield_bpm16Y_mean vs slug



Right In: -0.260 ± 0.000 χ^2/NDF : 6878369368.1/17

Left Out: -0.041 ± 0.000 χ^2/NDF : 156092609612.2/25

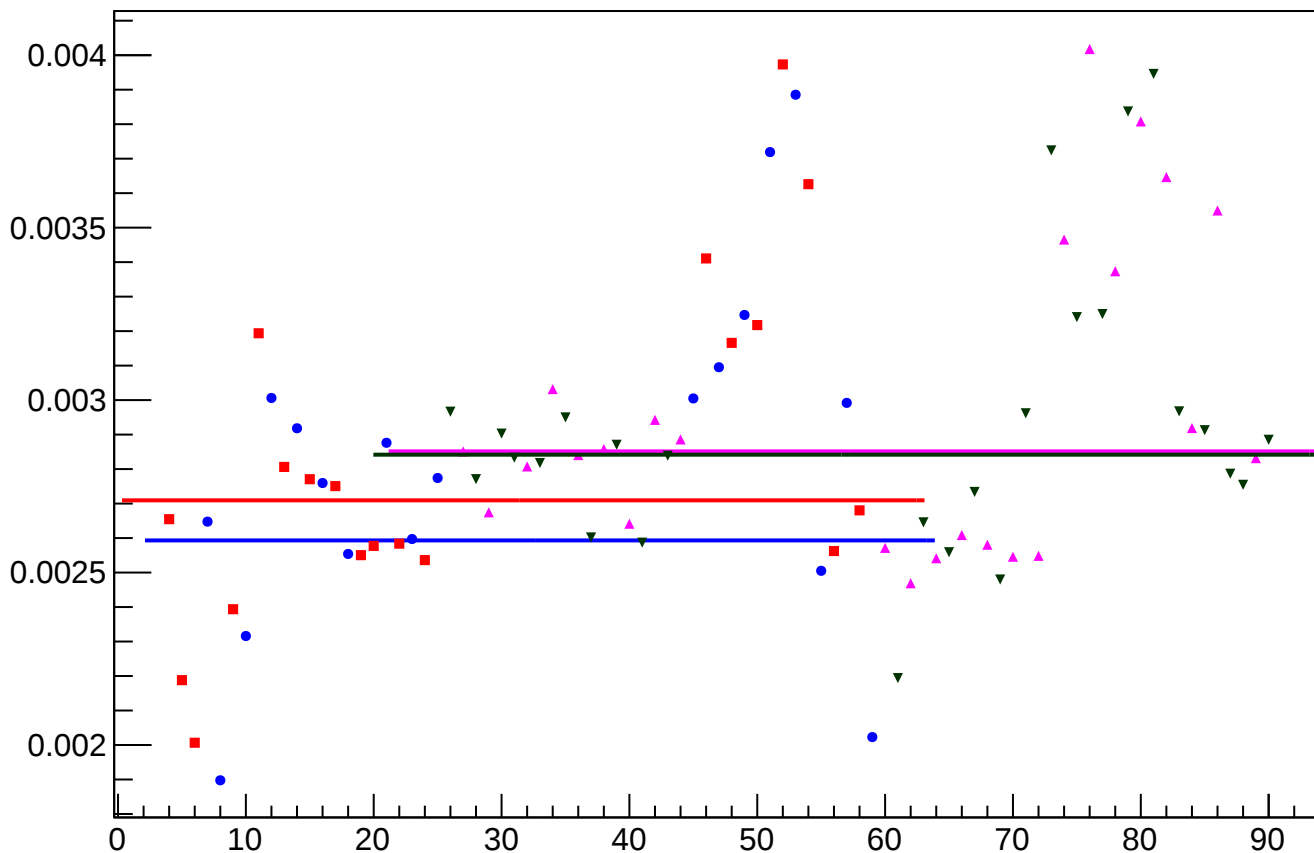
Right Out: -0.268 ± 0.000 χ^2/NDF : 2185355194.4/18

Left In: -0.046 ± 0.000 χ^2/NDF : 150986511803.1/23

-0.152 ± 0.000 χ^2/NDF : 200038813331.6/43

-0.147 ± 0.000 χ^2/NDF : 187751670782.4/42

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 : 373660.0/25

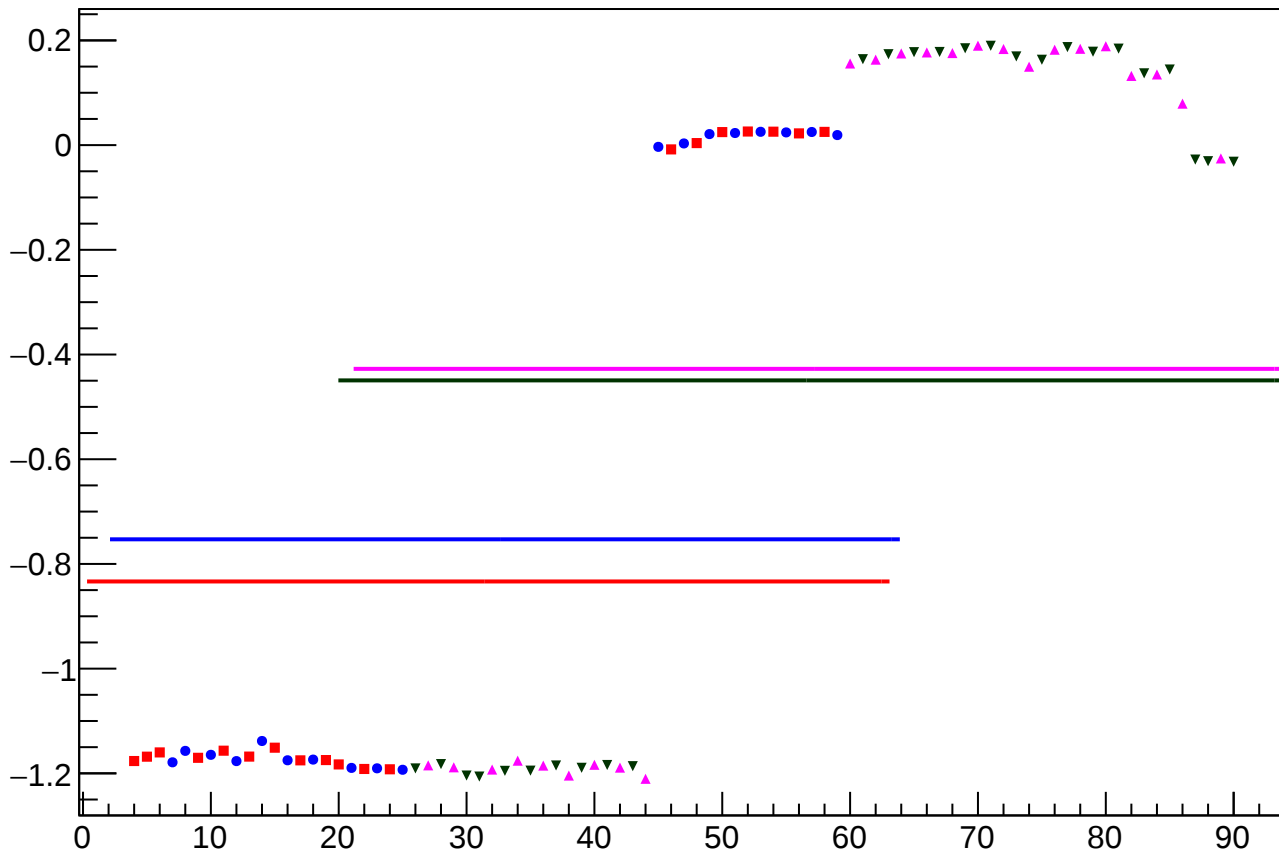
Right Out: 0.003+/-0.000 χ^2/NDF : 476230.4/18

Left In: 0.003+/-0.000 χ^2/NDF : 401214.7/23

0.003+/-0.000 χ^2/NDF : 1243012.7/43

0.003+/-0.000 χ^2/NDF : 905579.4/42

yield_bpm2i01X_mean vs slug



Right In: -0.753+/-0.000 χ^2/NDF : 63524502695.2/17

Left Out: -0.449+/-0.000 χ^2/NDF : 80654362057.4/25

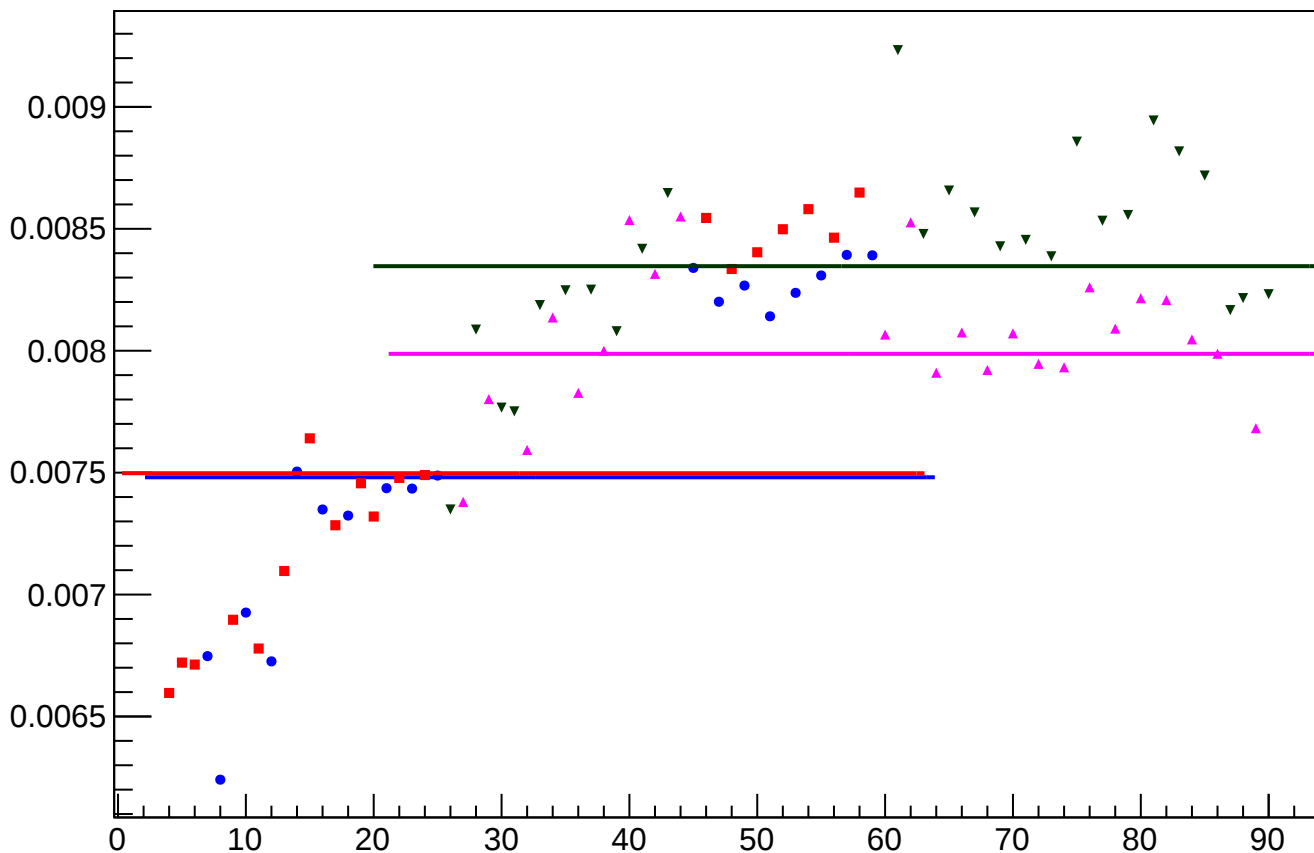
-0.608+/-0.000 χ^2/NDF : 152925441439.0/43

Right Out: -0.833+/-0.000 χ^2/NDF : 50332816661.3/18

-0.614+/-0.000 χ^2/NDF : 156841670613.7/42

Left In: -0.427+/-0.000 χ^2/NDF : 90899566421.9/23

yield_bpm2i01X_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 196084.4/17

Left Out: 0.008+/-0.000 χ^2/NDF :56788.0/25

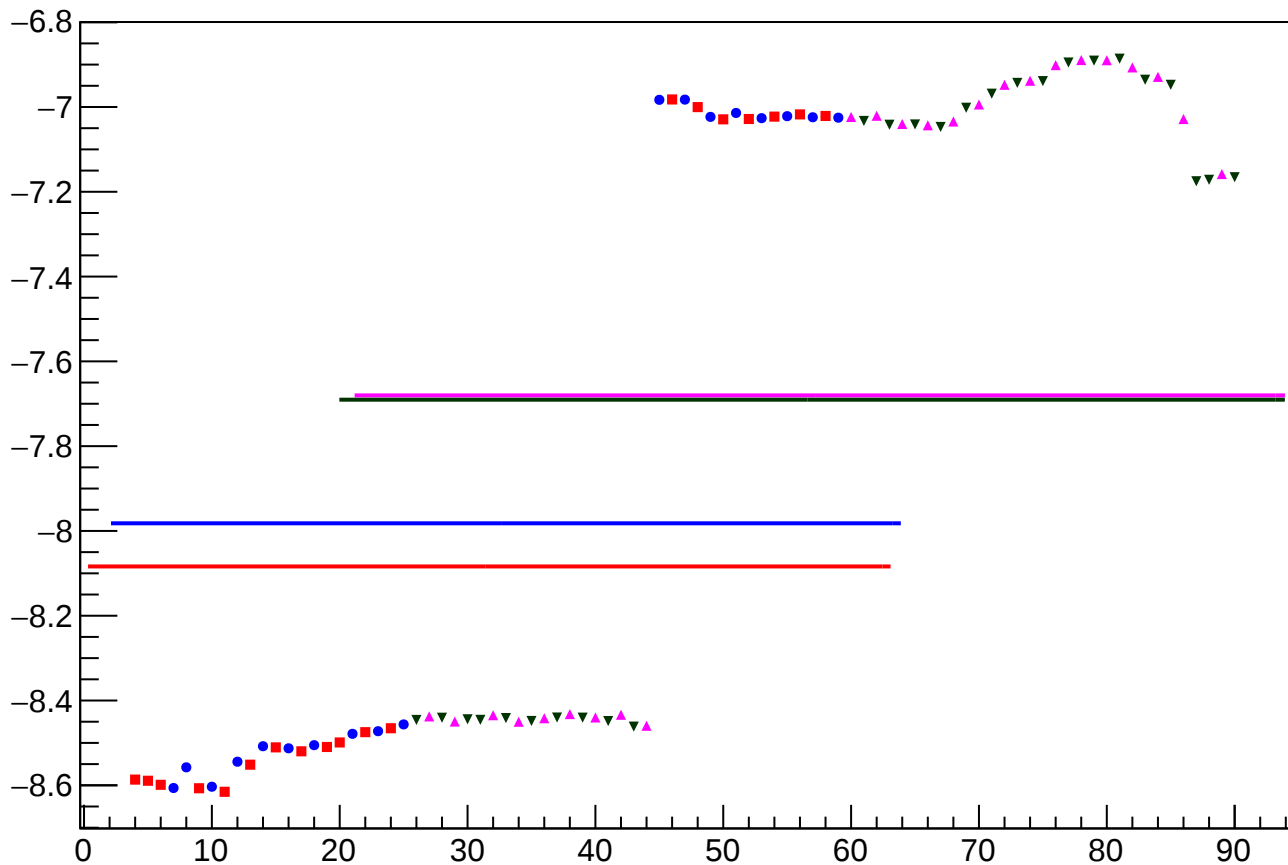
Right Out: 0.007+/-0.000 χ^2/NDF : 167417.2/18

Left In: 0.008+/-0.000 χ^2/NDF :36386.3/23

0.008+/-0.000 χ^2/NDF : 395169.3/43

0.008+/-0.000 χ^2/NDF : 249175.6/42

yield_bpm2i01Y_mean vs slug



Right In: -7.982+/-0.000 χ^2/NDF : 116524136897.0/17

Left Out: -7.690+/-0.000 χ^2/NDF : 114564238921.3/25

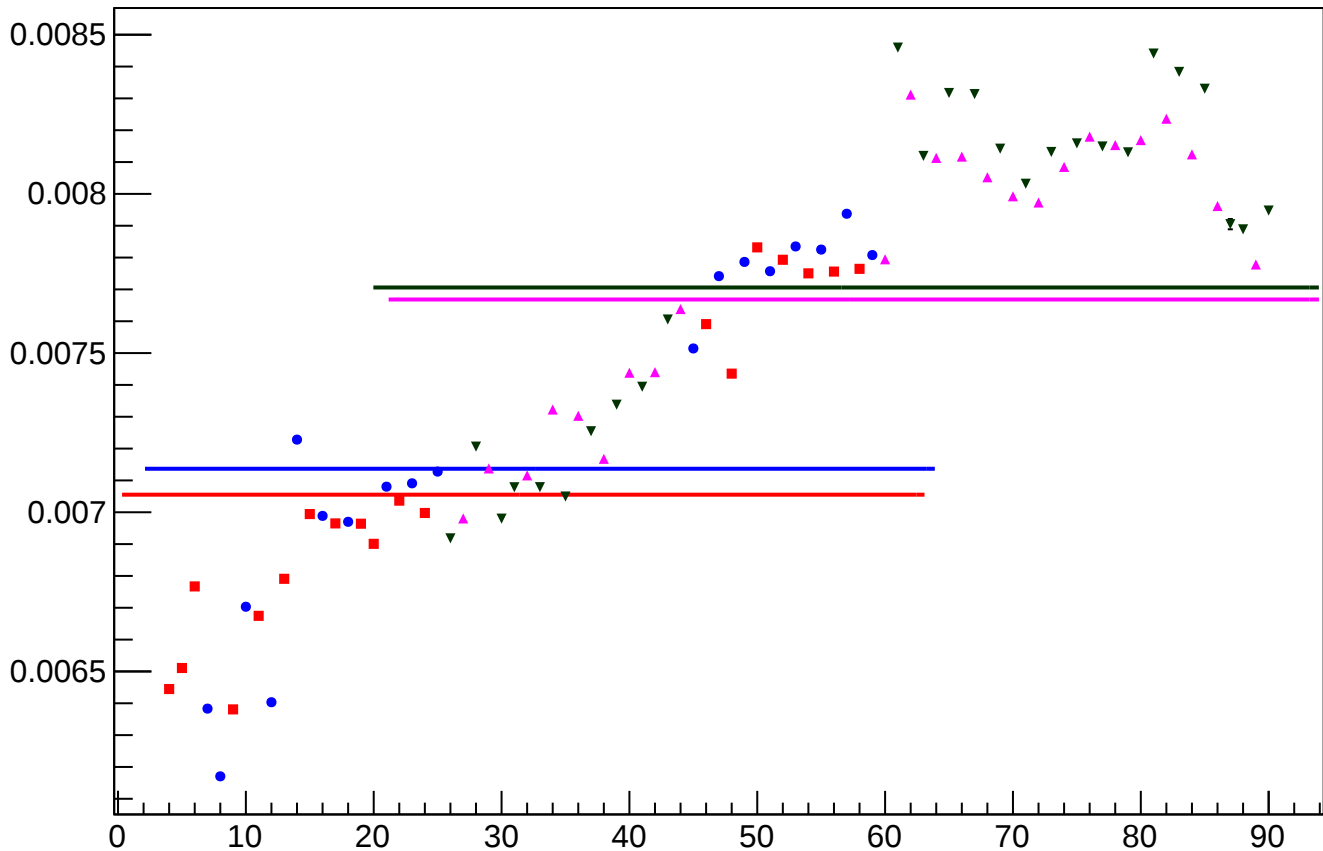
Right Out: -8.084+/-0.000 χ^2/NDF : 99506540389.5/18

Left In: -7.680+/-0.000 χ^2/NDF : 120235478193.0/23

-7.837+/-0.000 χ^2/NDF : 240338463141.4/43

-7.870+/-0.000 χ^2/NDF : 236963864446.0/42

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 :121769.6/25

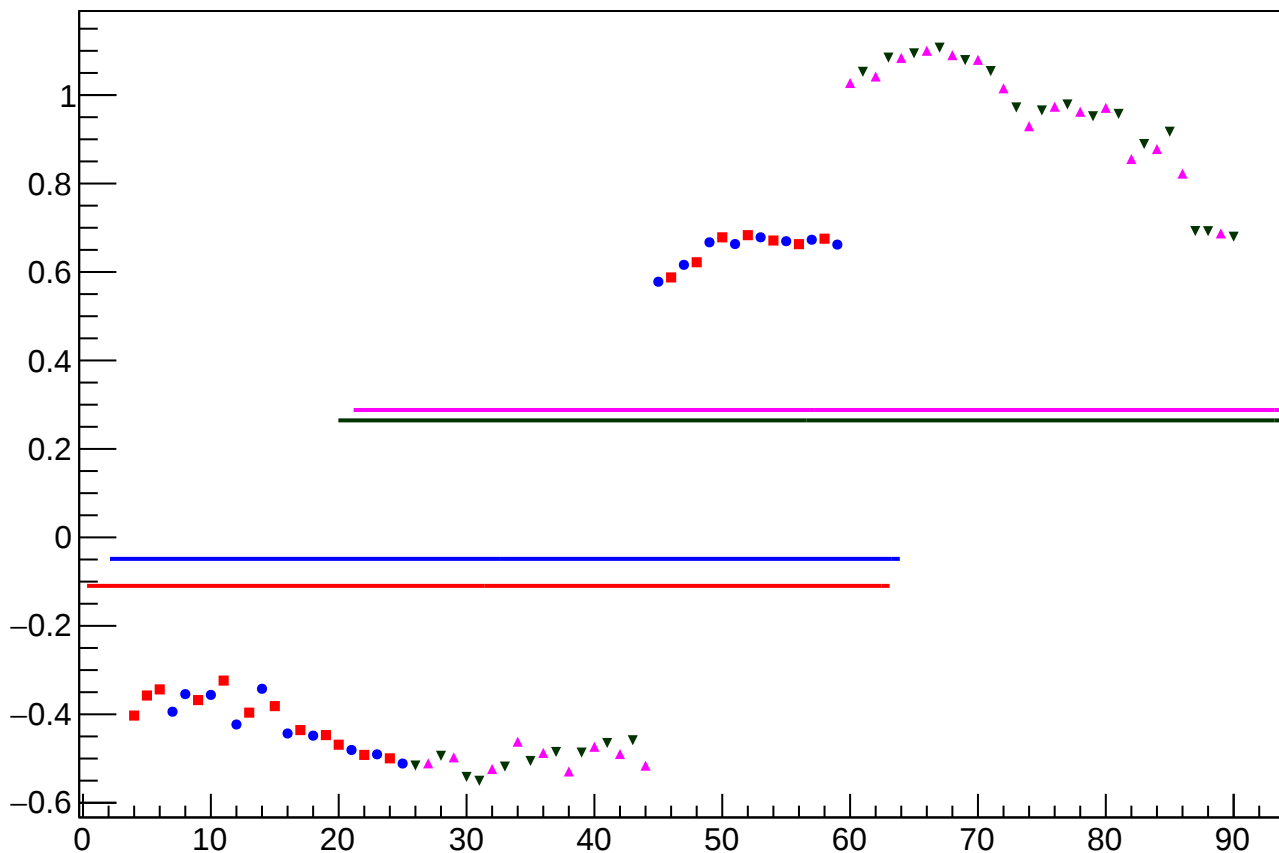
Right Out: 0.007+/-0.000 χ^2/NDF : 88863.4/18

Left In: 0.008+/-0.000 χ^2/NDF :90554.5/23

0.007+/-0.000 χ^2/NDF : 333706.7/43

0.007+/-0.000 χ^2/NDF : 258937.6/42

yield_bpm2i02X_mean vs slug



Right In: -0.049+/-0.000 χ^2/NDF : 7806391272.8/17

Left Out: 0.265+/-0.000 χ^2/NDF :14577883457.6/25

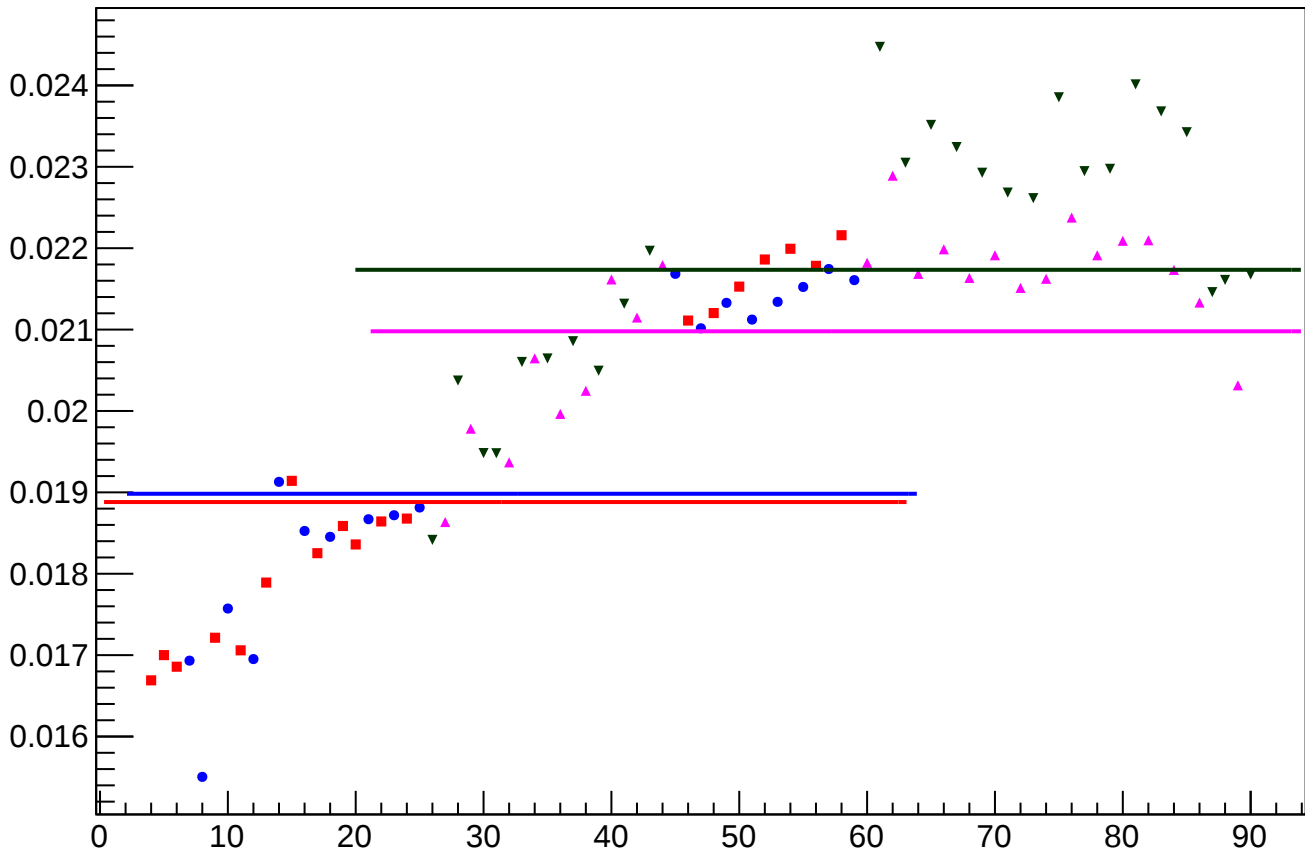
Right Out: -0.110+/-0.000 χ^2/NDF : 6259069670.0/18

Left In: 0.288+/-0.000 χ^2/NDF :16210173206.9/23

0.097+/-0.000 χ^2/NDF : 23788511207.0/43

0.097+/-0.000 χ^2/NDF : 24737092510.7/42

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 :139062.8/25

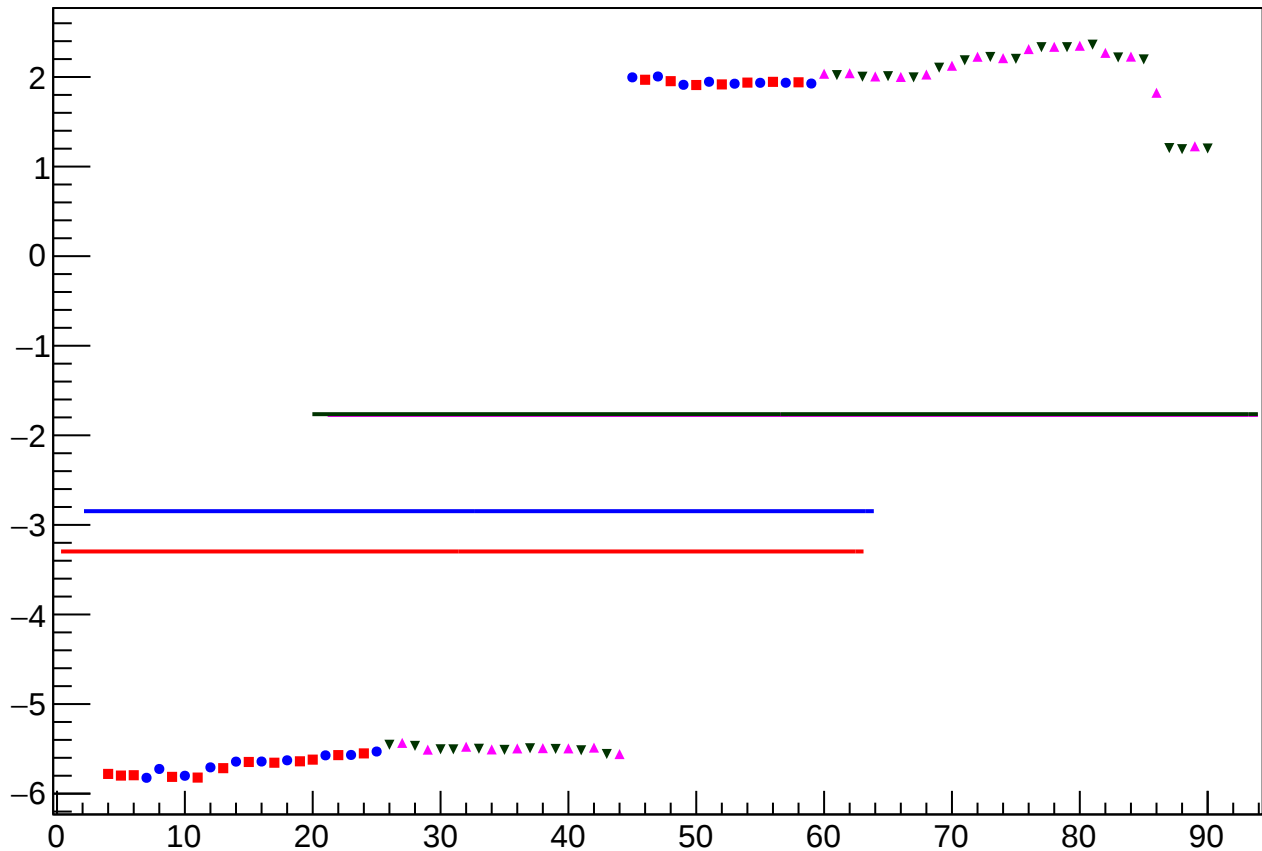
0.020+/-0.000 χ^2/NDF : 610949.2/43

Right Out: 0.019+/-0.000 χ^2/NDF : 190553.3/18

0.020+/-0.000 χ^2/NDF : 397802.2/42

Left In: 0.021+/-0.000 χ^2/NDF :81019.0/23

yield_bpm2i02Y_mean vs slug



Right In: -2.847+/-0.000 χ^2/NDF : 988085675921.2/17

Left Out: -1.764+/-0.000 χ^2/NDF : 1049434565851.6/25

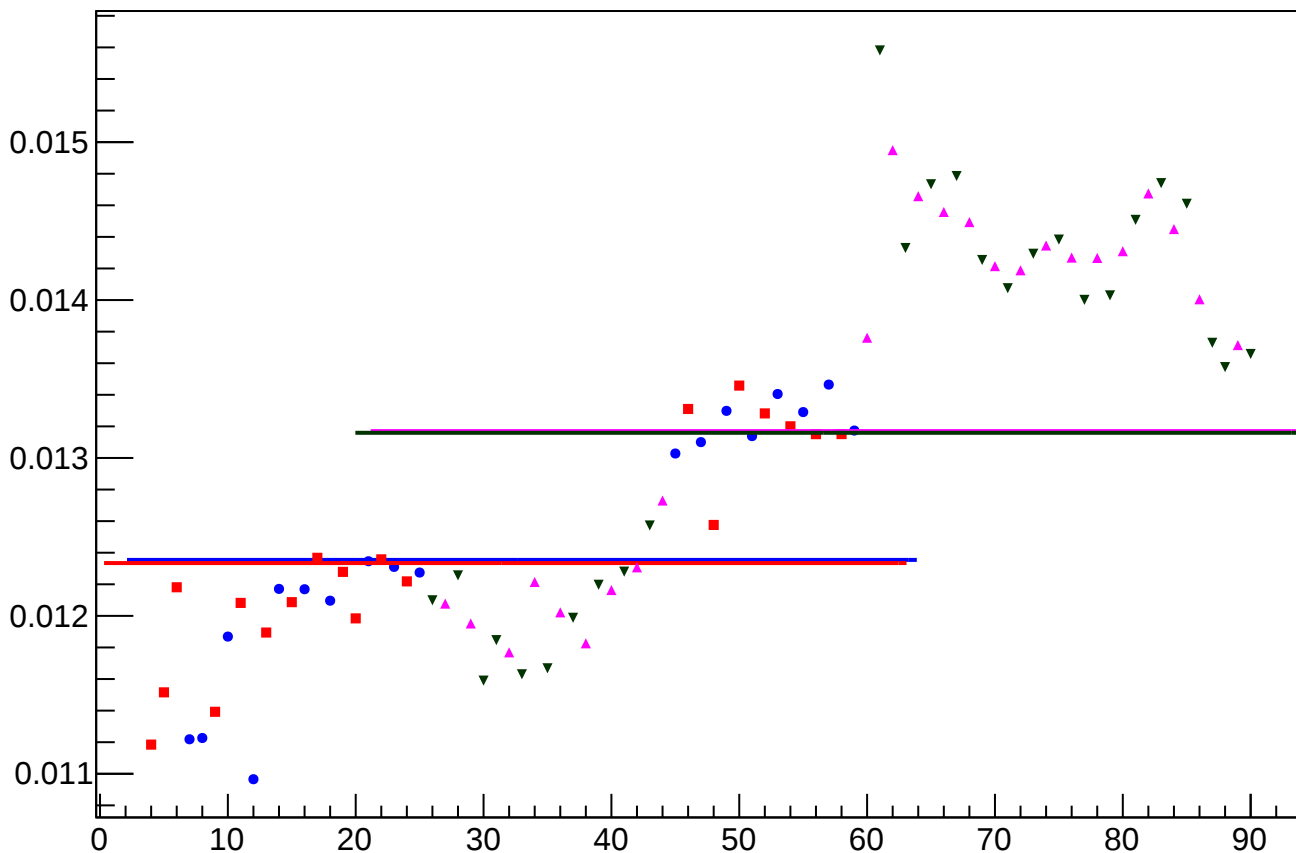
-2.303+/-0.000 χ^2/NDF : 2080472088813.4/43

Right Out: -3.297+/-0.000 χ^2/NDF : 819050975647.4/18

-2.475+/-0.000 χ^2/NDF : 1990580266672.7/42

Left In: -1.773+/-0.000 χ^2/NDF : 1090343008809.1/23

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 :219286.7/25

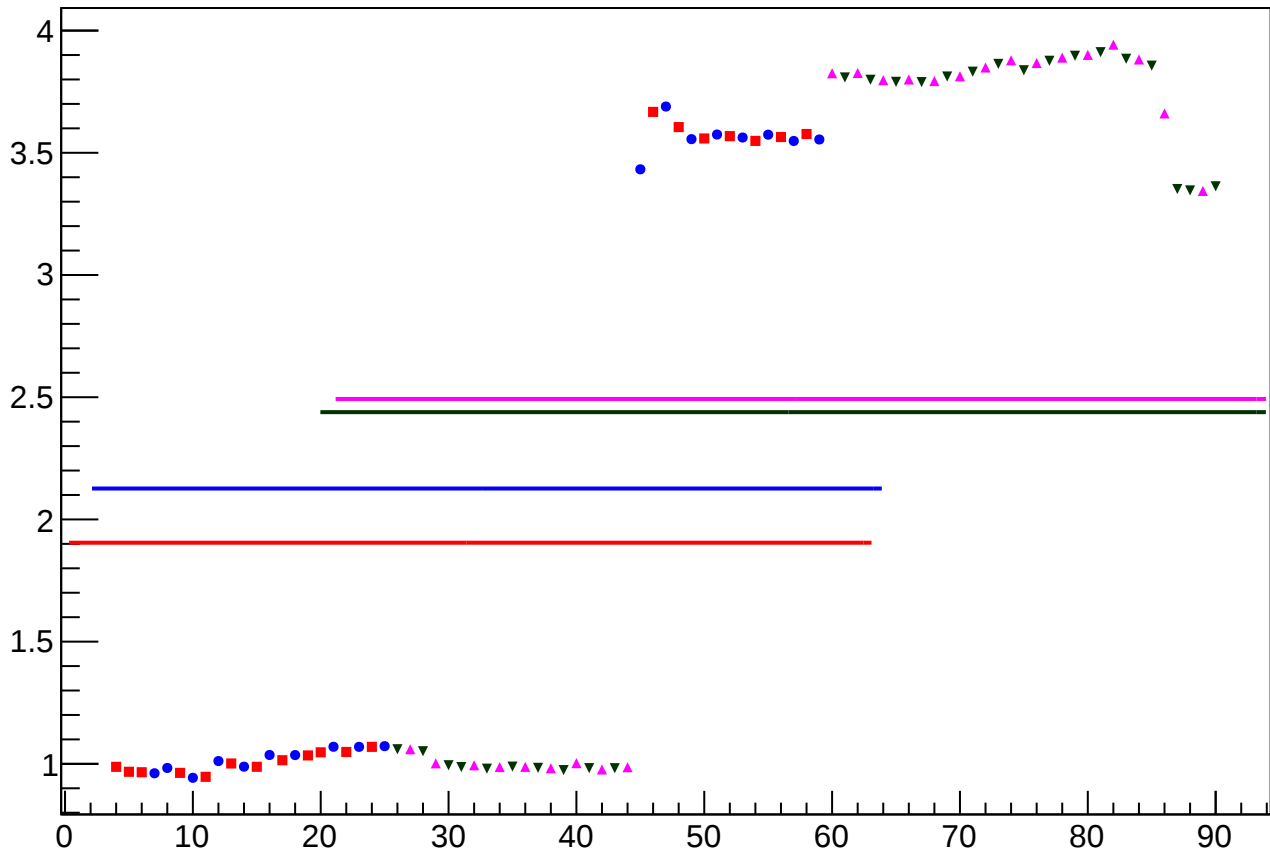
Right Out: 0.012+/-0.000 χ^2/NDF : 54886.5/18

Left In: 0.013+/-0.000 χ^2/NDF :202912.7/23

0.013+/-0.000 χ^2/NDF : 356617.4/43

0.013+/-0.000 χ^2/NDF : 306672.6/42

yield_bpm1i04X_mean vs slug



Right In: 2.126+/-0.000 χ^2/NDF : 292632575878.4/17

Left Out: 2.439+/-0.000 χ^2/NDF : 383244826383.6/25

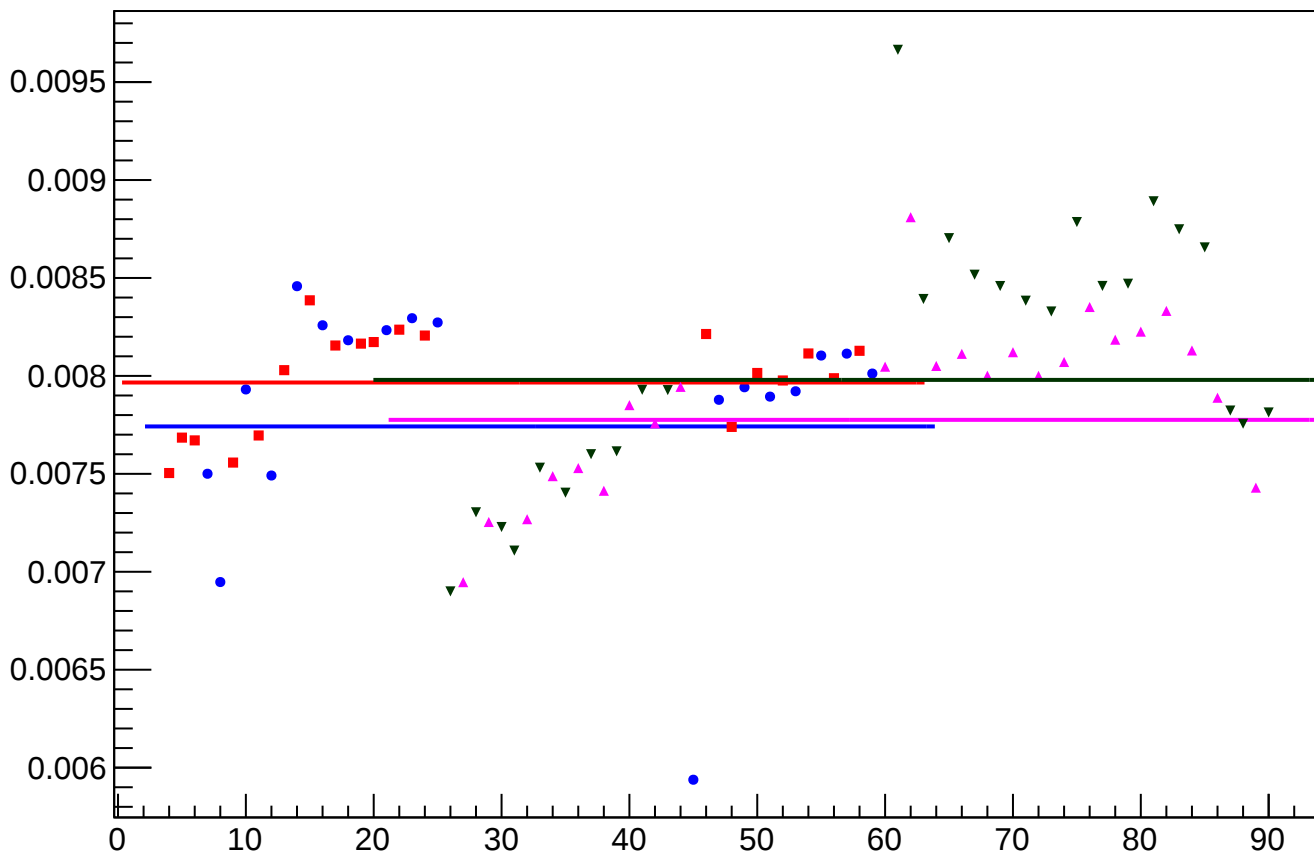
2.289+/-0.000 χ^2/NDF : 685210108521.7/43

Right Out: 1.905+/-0.000 χ^2/NDF : 236022966001.2/18

2.247+/-0.000 χ^2/NDF : 691424610544.2/42

Left In: 2.493+/-0.000 χ^2/NDF : 424143044836.8/23

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 :158780.4/25

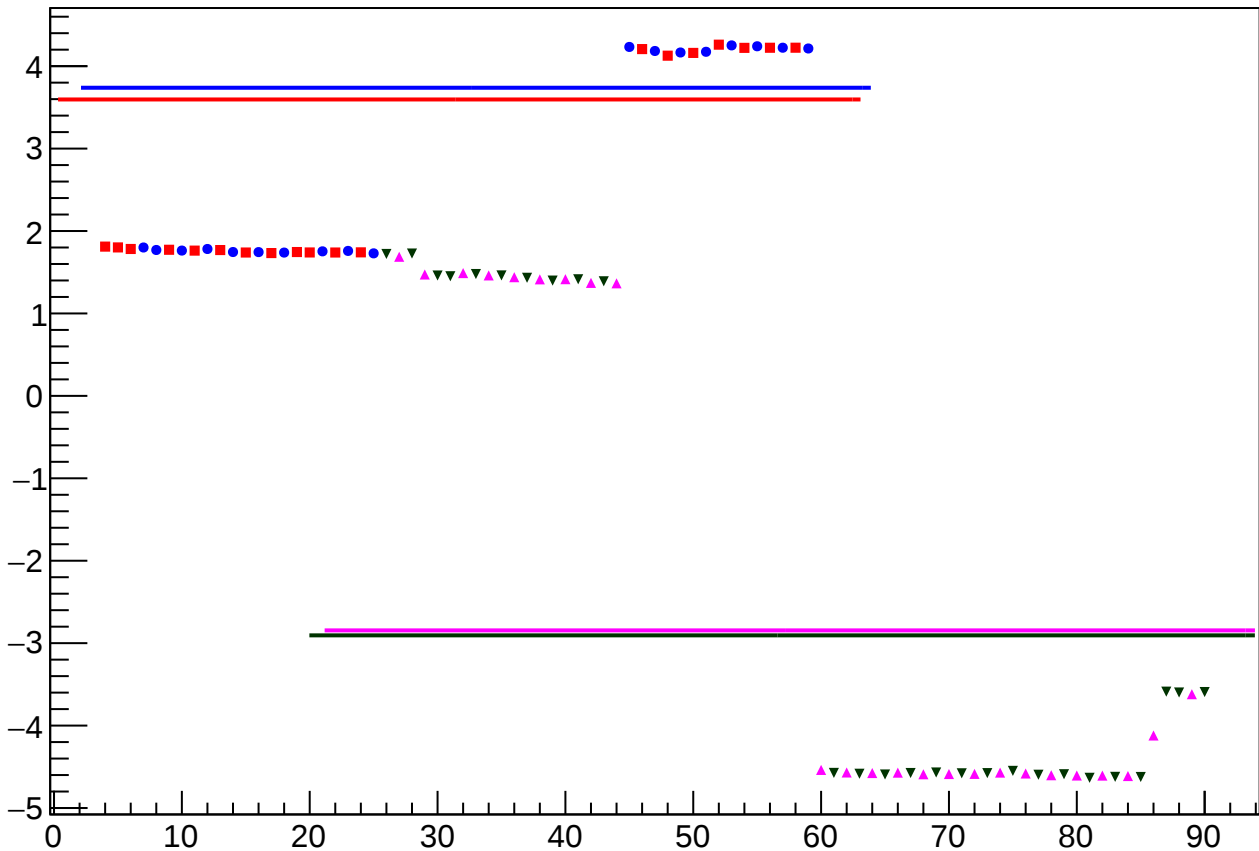
Right Out: 0.008+/-0.000 χ^2/NDF : 20073.5/18

Left In: 0.008+/-0.000 χ^2/NDF :87303.4/23

0.008+/-0.000 χ^2/NDF : 348479.9/43

0.008+/-0.000 χ^2/NDF : 113946.2/42

yield_bpm1i04Y_mean vs slug



Right In: 3.738+/-0.000 χ^2/NDF : 502669373965.6/17

Left Out: -2.905+/-0.000 χ^2/NDF : 4128320109056.2/25

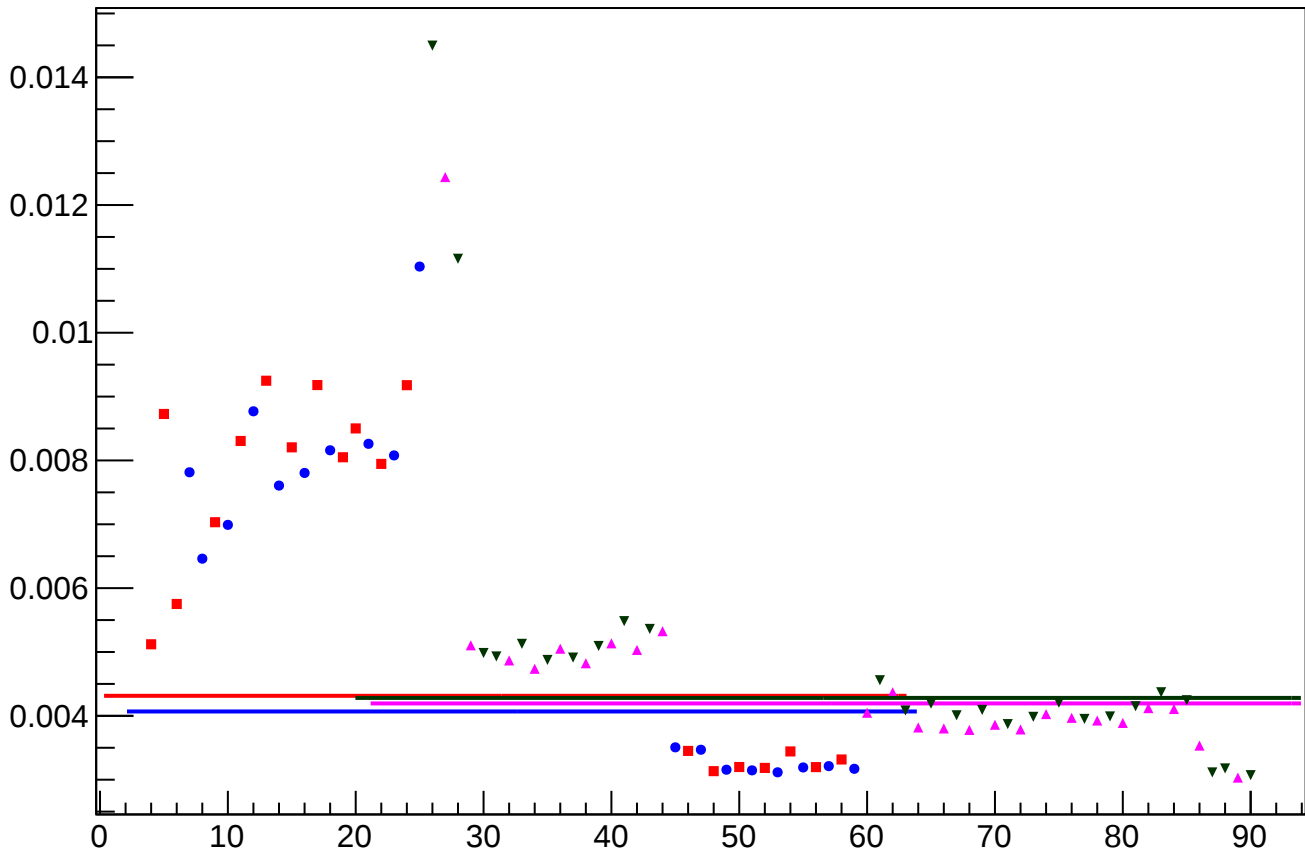
0.161+/-0.000 χ^2/NDF : 17451599918295.5/43

Right Out: 3.596+/-0.000 χ^2/NDF : 468031292414.6/18

-0.402+/-0.000 χ^2/NDF : 16098980438111.4/42

Left In: -2.845+/-0.000 χ^2/NDF : 4799878391638.6/23

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 :1466382.4/25

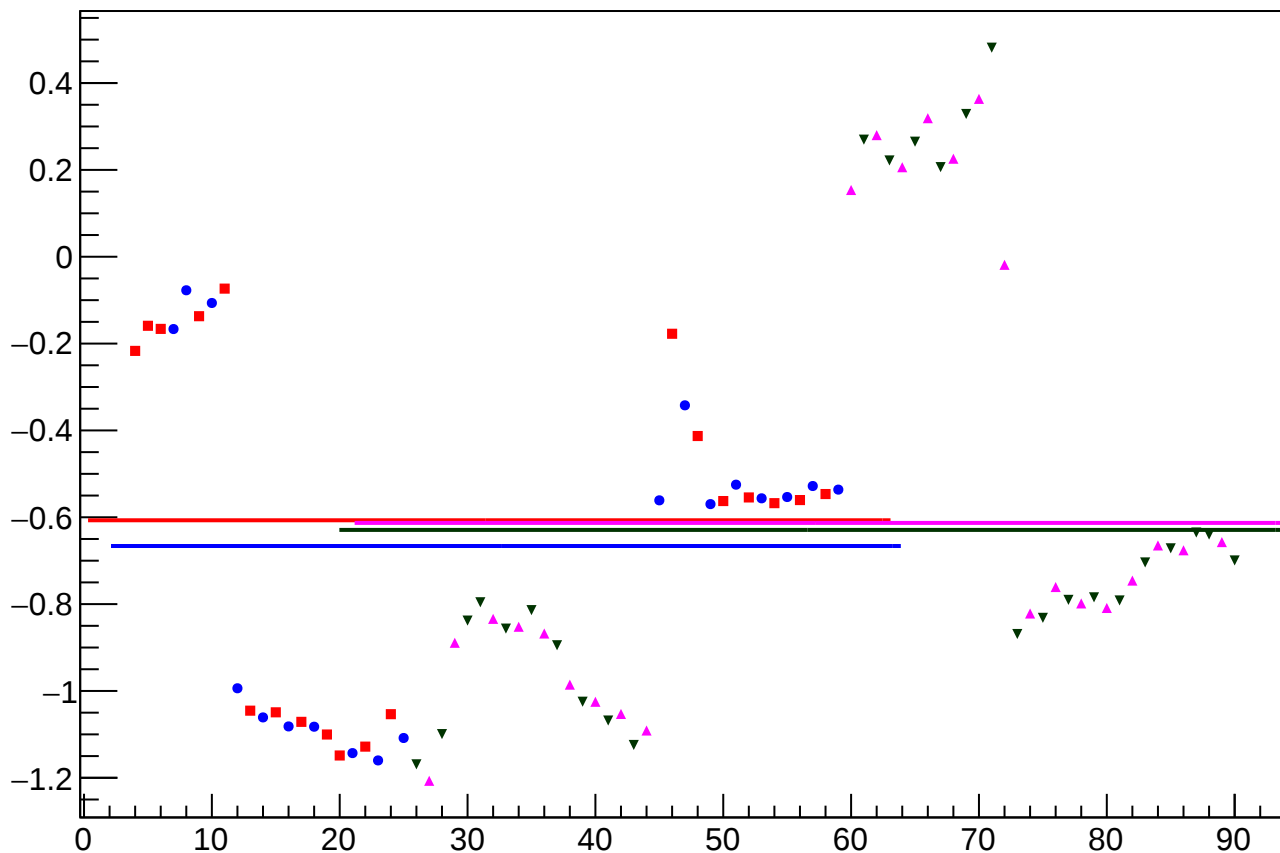
0.004+/-0.000 χ^2/NDF : 4894279.4/43

Right Out: 0.004+/-0.000 χ^2/NDF : 3241260.9/18

0.004+/-0.000 χ^2/NDF : 4356836.8/42

Left In: 0.004+/-0.000 χ^2/NDF :1108143.2/23

yield_bpm0l01X_mean vs slug



Right In: -0.666+/-0.000 χ^2/NDF : 19135534349.5/17

Left Out: -0.629+/-0.000 χ^2/NDF : 40357538376.8/25

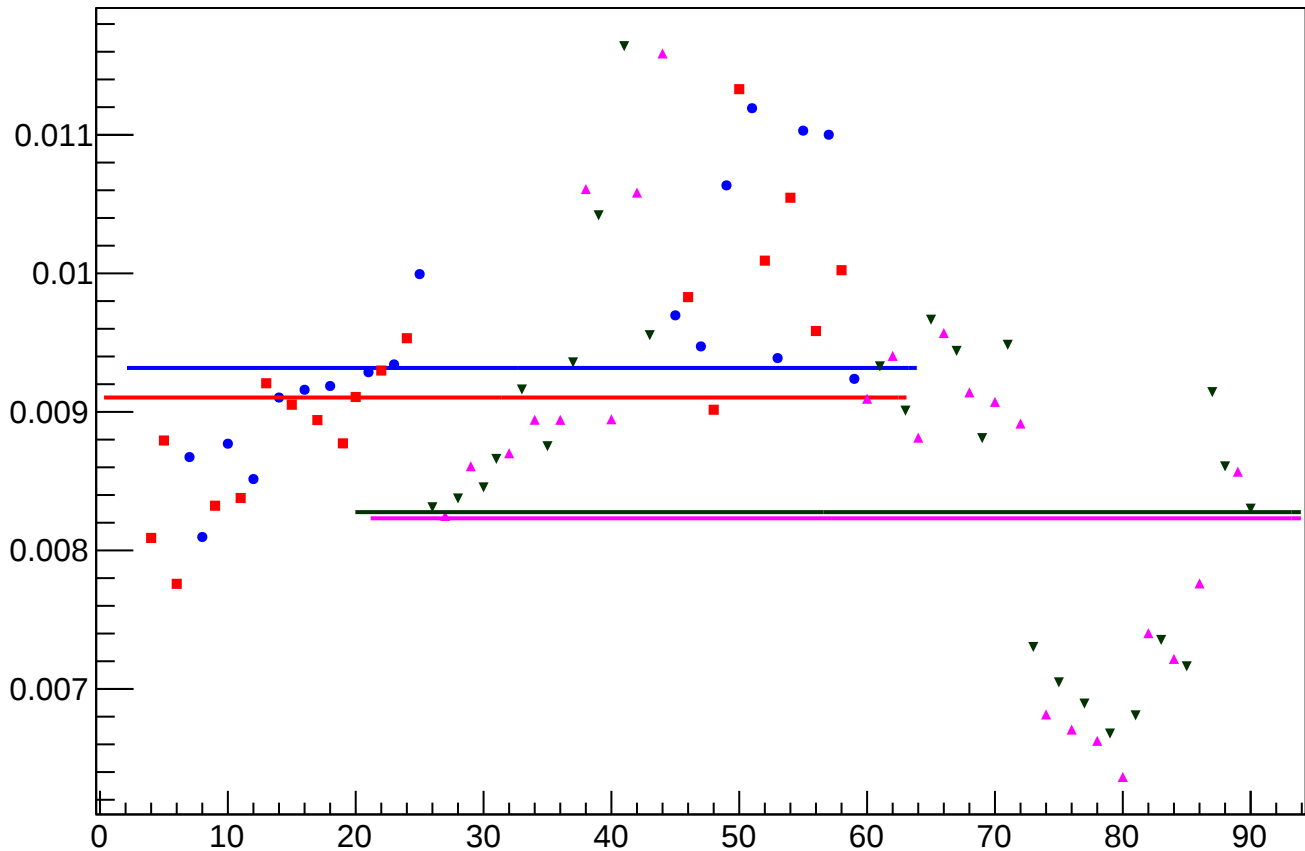
Right Out: -0.607+/-0.000 χ^2/NDF : 19217252419.4/18

Left In: -0.613+/-0.000 χ^2/NDF : 41379818849.9/23

-0.644+/-0.000 χ^2/NDF : 59594947842.9/43

-0.611+/-0.000 χ^2/NDF : 60599721910.7/42

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 : 503871.8/25

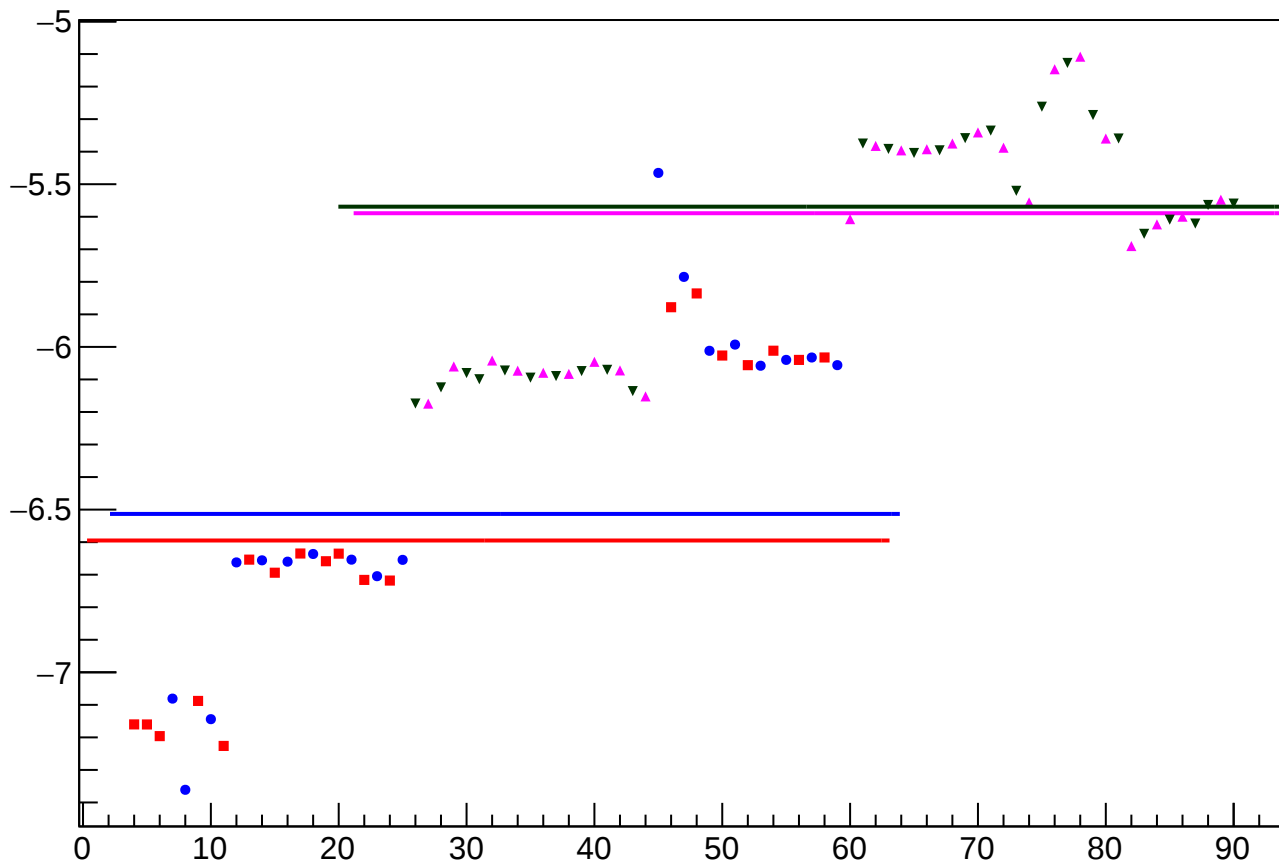
Right Out: 0.009+/-0.000 χ^2/NDF : 159092.9/18

Left In: 0.008+/-0.000 χ^2/NDF : 571680.6/23

0.009+/-0.000 χ^2/NDF : 830275.2/43

0.009+/-0.000 χ^2/NDF : 840396.1/42

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 : 23145504552.7/25

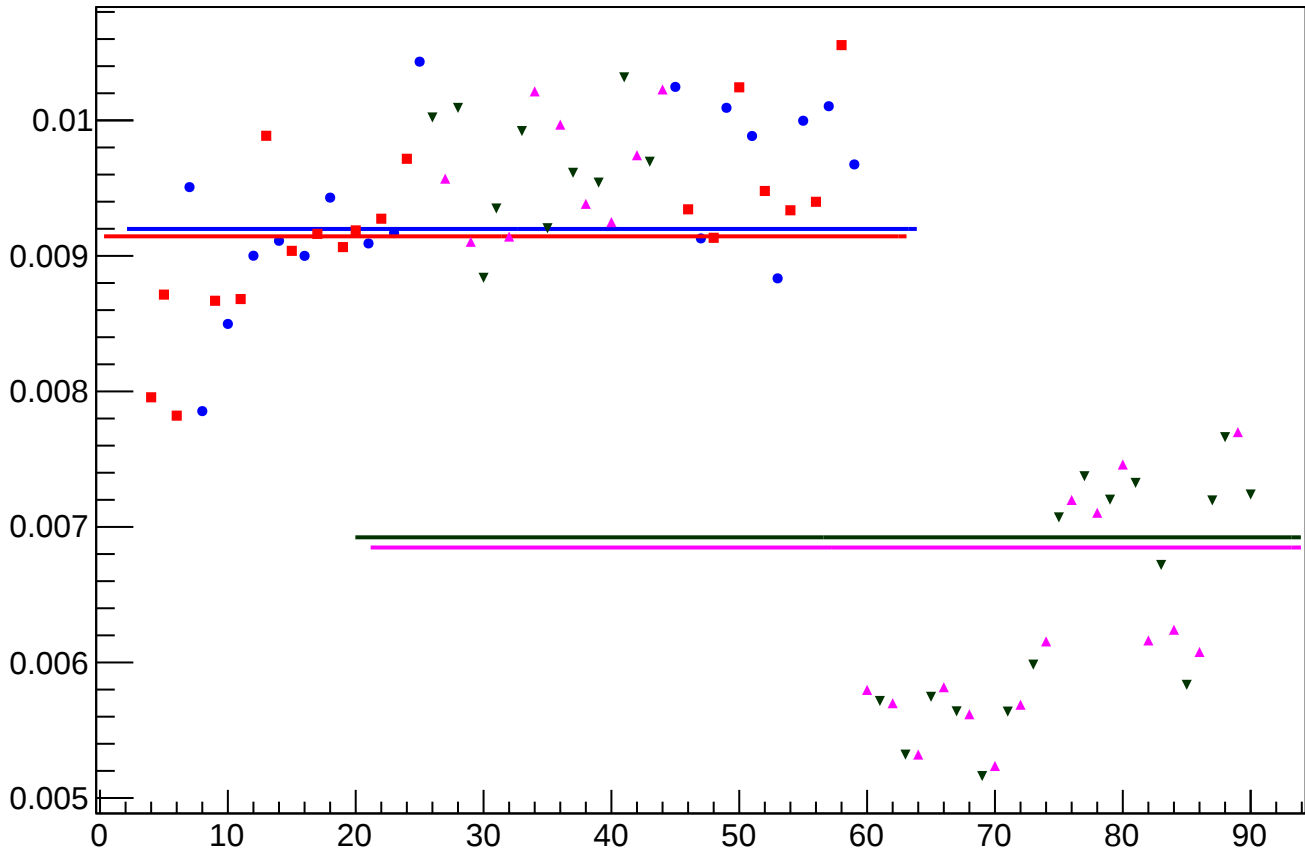
-5.892+/-0.000 χ^2/NDF : 132310472626.9/43

Right Out: -6.595+/-0.000 χ^2/NDF : 25777696502.6/18

-5.894+/-0.000 χ^2/NDF : 130095522404.5/42

Left In: -5.589+/-0.000 χ^2/NDF : 24135363869.2/23

yield_bpm0l01Y_rms vs slug



Right In: 0.009 ± 0.000 χ^2/NDF : 120528.1/17

Left Out: 0.007 ± 0.000 χ^2/NDF : 1307521.9/25

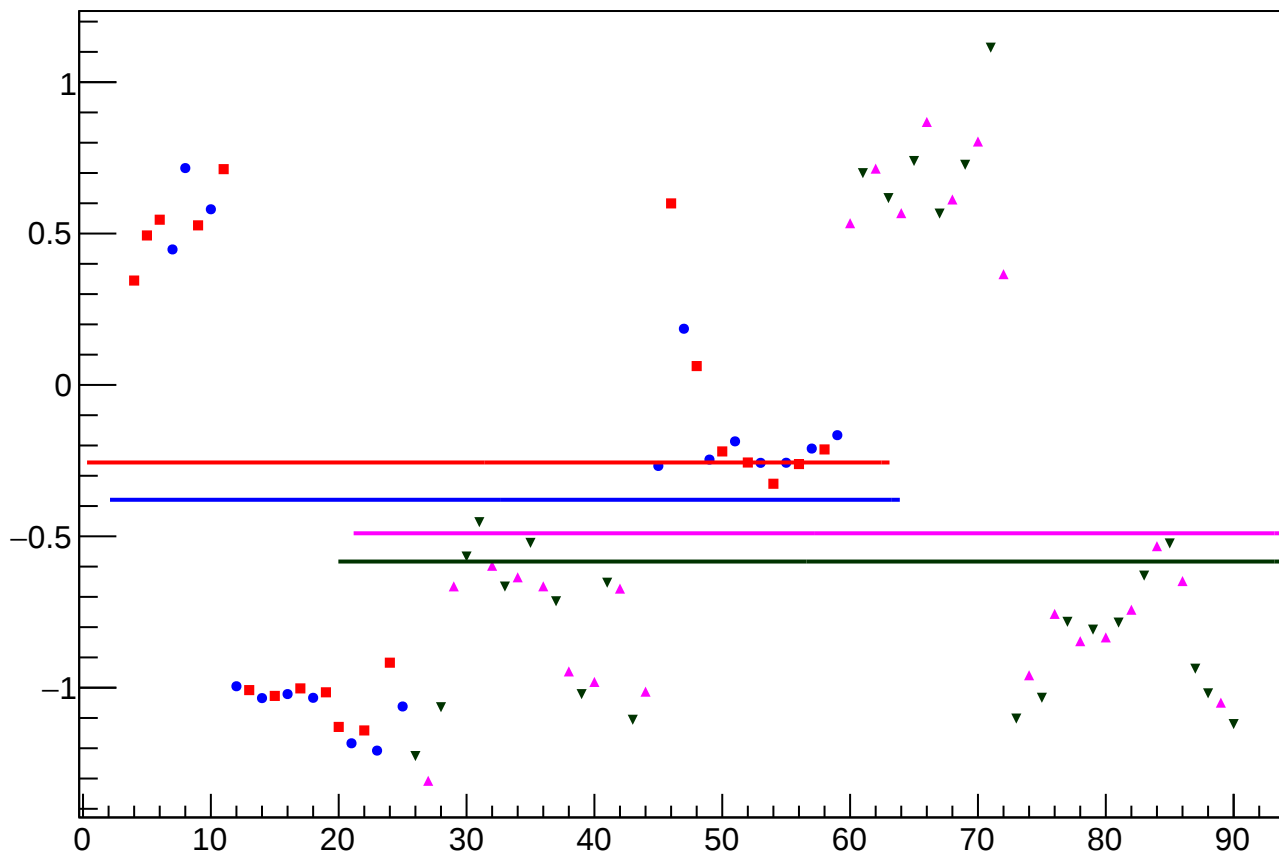
Right Out: 0.009 ± 0.000 χ^2/NDF : 101222.8/18

Left In: 0.007 ± 0.000 χ^2/NDF : 1327063.8/23

0.008 ± 0.000 χ^2/NDF : 2299883.6/43

0.008 ± 0.000 χ^2/NDF : 2264053.7/42

yield_bpm0l02X_mean vs slug



Right In: -0.379+/-0.000 χ^2/NDF : 10136750548.1/17

Left Out: -0.583+/-0.000 χ^2/NDF : 23968568516.3/25

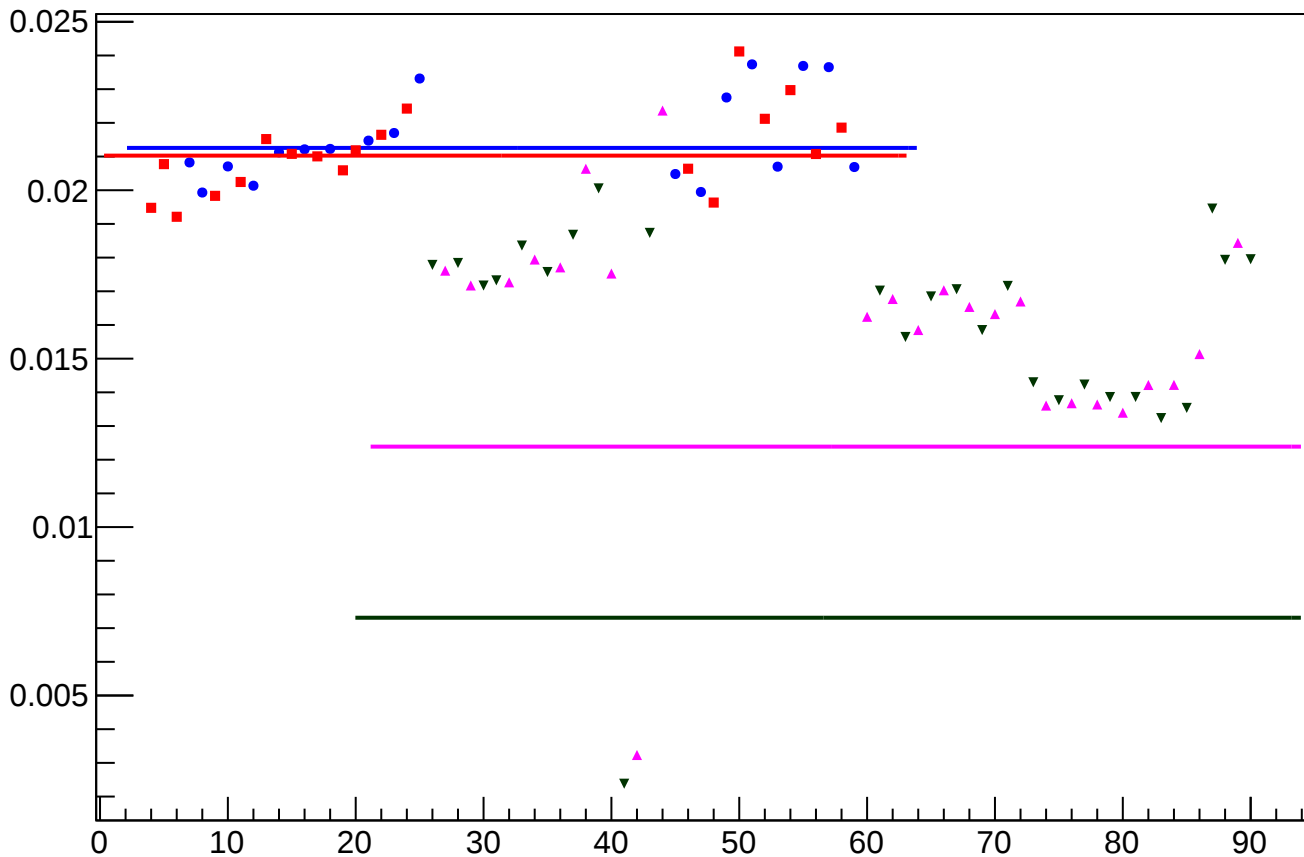
Right Out: -0.256+/-0.000 χ^2/NDF : 10103342122.6/18

Left In: -0.490+/-0.000 χ^2/NDF : 22480926035.5/23

-0.551+/-0.000 χ^2/NDF : 34958626151.6/43

-0.432+/-0.000 χ^2/NDF : 33493209764.9/42

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 : 11430174.3/25

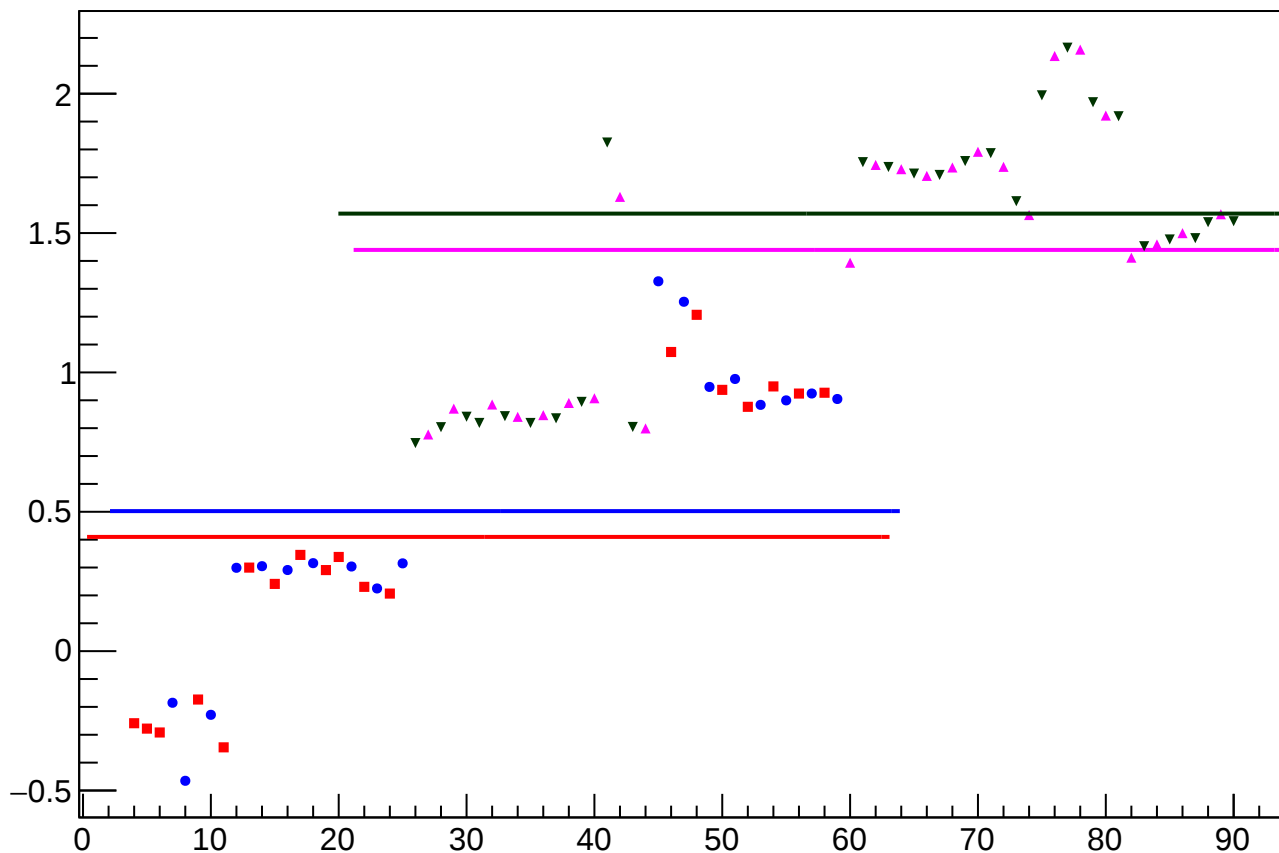
0.010+/-0.000 χ^2/NDF : 19475681.5/43

Right Out: 0.021+/-0.000 χ^2/NDF : 62886.6/18

0.015+/-0.000 χ^2/NDF : 7456893.2/42

Left In: 0.012+/-0.000 χ^2/NDF : 4913415.3/23

yield_bpm0l02Y_mean vs slug



Right In: 0.502 $\pm$ 0.000 χ^2 /NDF: 19155654908.3/17

Left Out: 1.570 $\pm$ 0.000 χ^2 /NDF: 26306845114.0/25

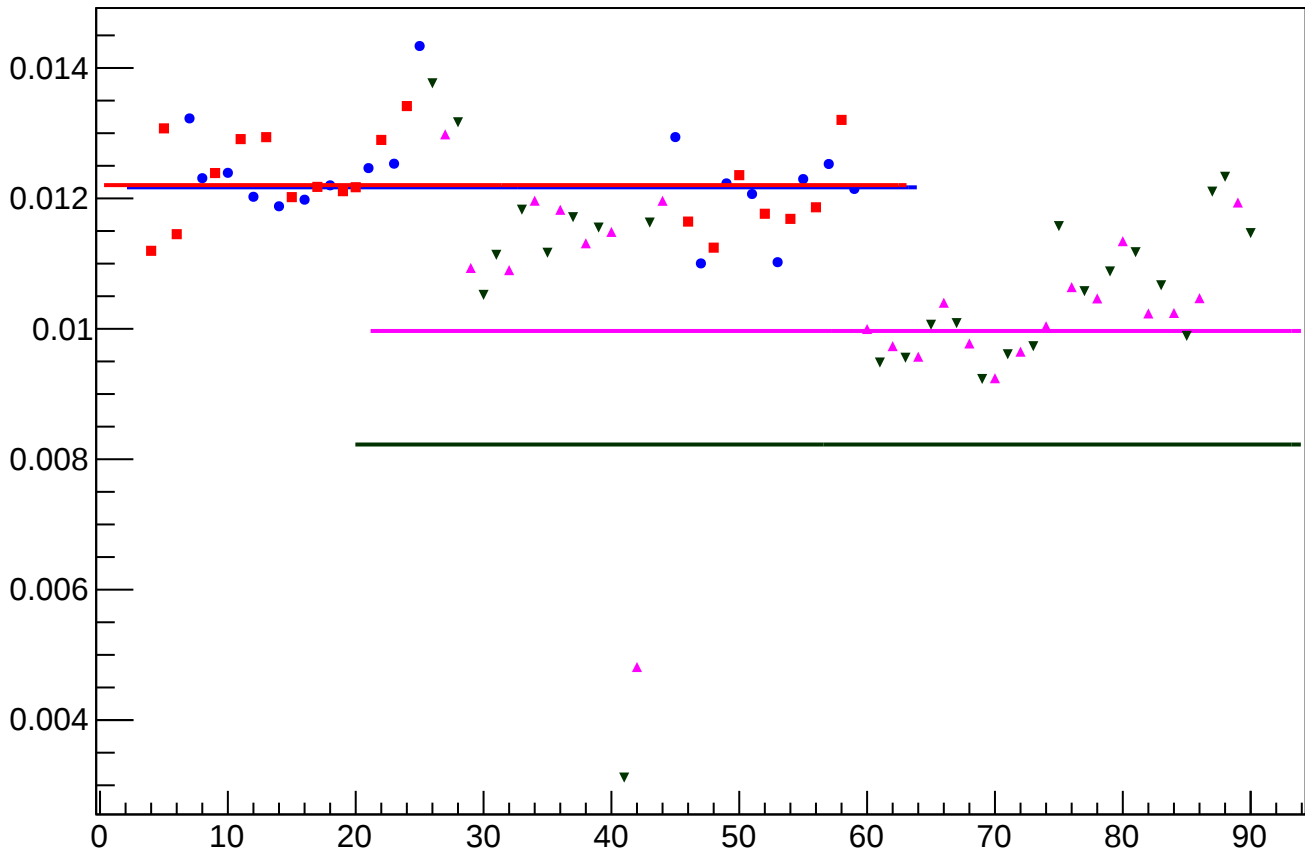
Right Out: 0.410 $\pm$ 0.000 χ^2 /NDF: 16439315084.0/18

Left In: 1.440 $\pm$ 0.000 χ^2 /NDF: 21906240488.2/23

1.225 $\pm$ 0.000 χ^2 /NDF: 102439324245.0/43

1.088 $\pm$ 0.000 χ^2 /NDF: 83478597591.3/42

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:4217527.8/25

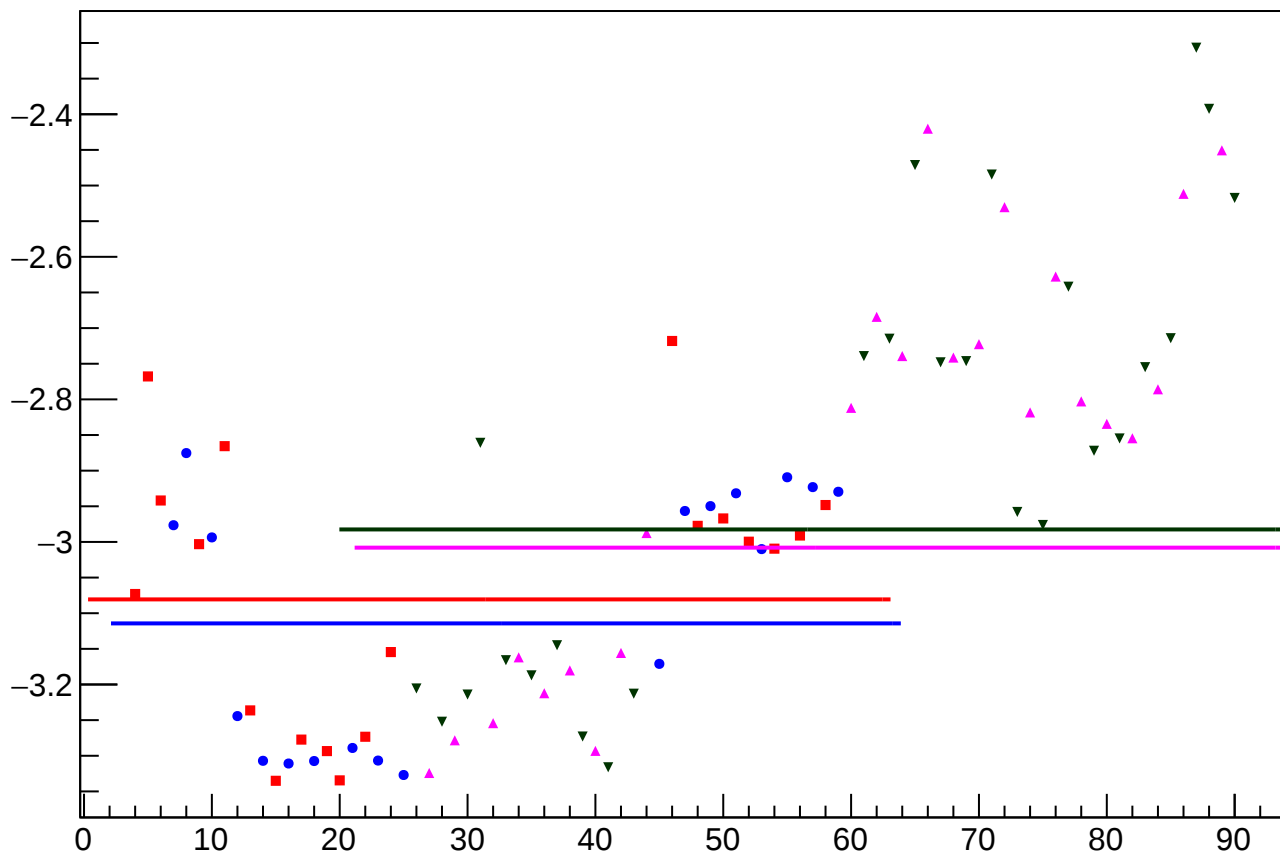
0.010 $\pm$ 0.000 χ^2 /NDF: 5818837.3/43

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 53181.0/18

0.011 $\pm$ 0.000 χ^2 /NDF: 1527756.2/42

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:1048721.2/23

yield_bpm0l03X_mean vs slug



Right In: -3.114+/-0.000 χ^2/NDF : 4627659924.1/17

Left Out: -2.982+/-0.000 χ^2/NDF : 14595038635.5/25

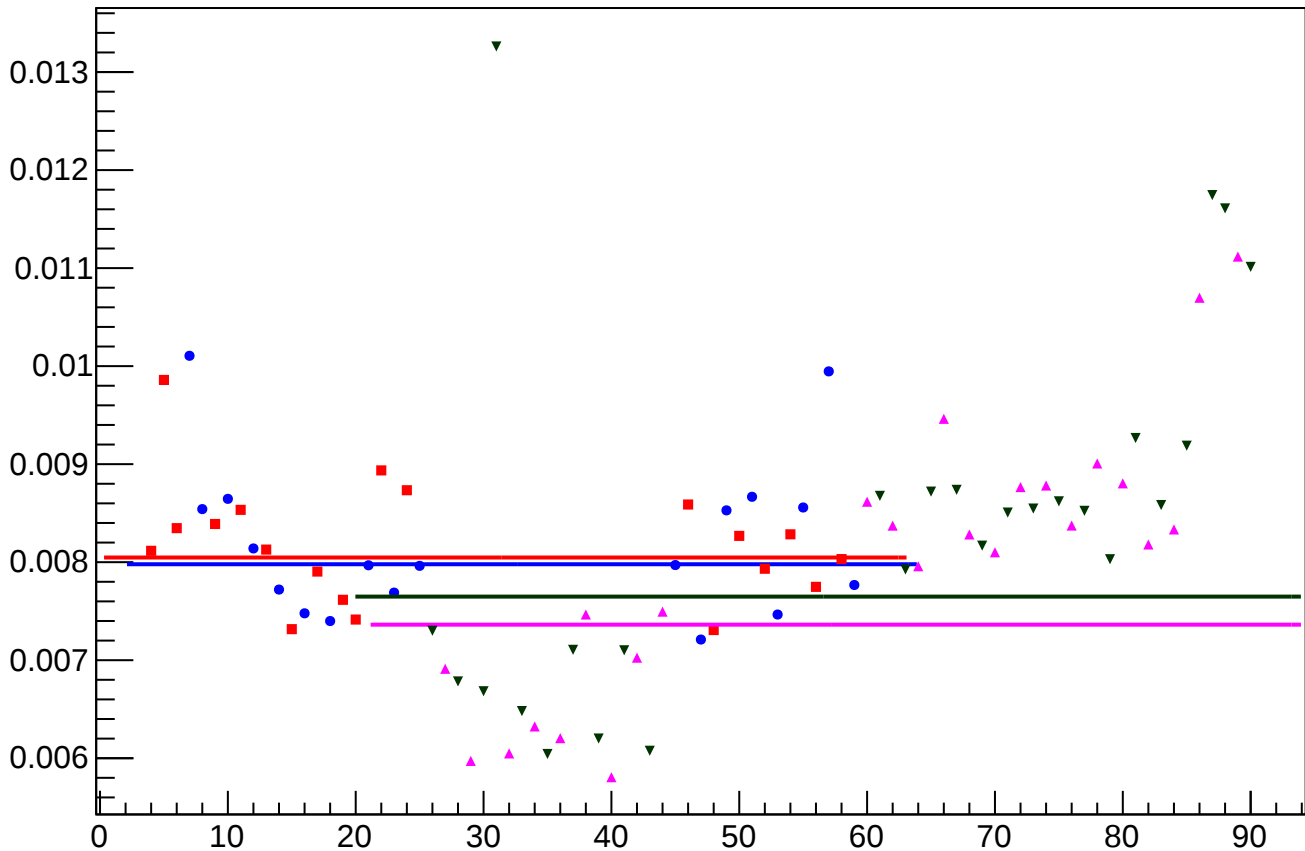
Right Out: -3.081+/-0.000 χ^2/NDF : 3839311184.0/18

Left In: -3.008+/-0.000 χ^2/NDF : 16164481087.8/23

-3.041+/-0.000 χ^2/NDF : 20675624604.2/43

-3.036+/-0.000 χ^2/NDF : 20423114077.1/42

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 : 701250.3/25

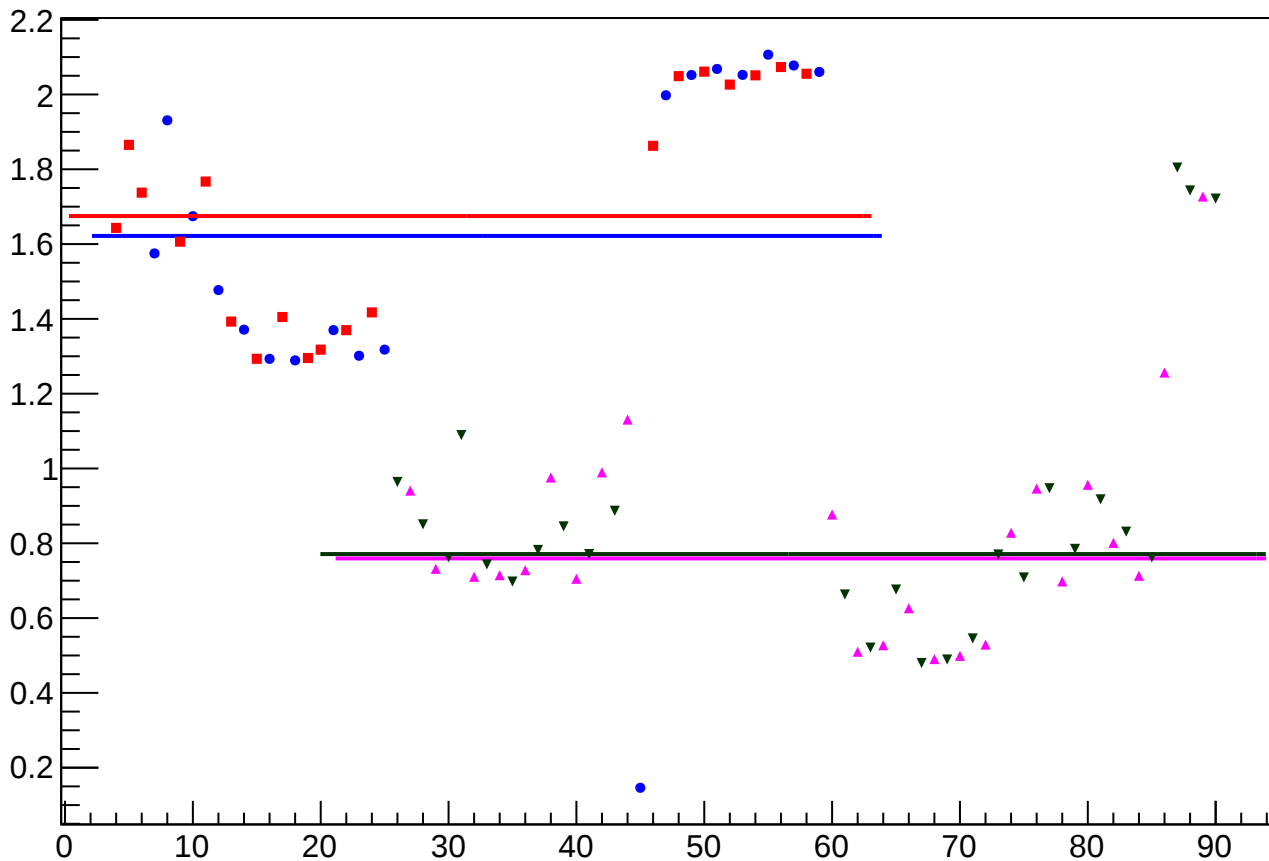
Right Out: 0.008+/-0.000 χ^2/NDF : 57509.8/18

Left In: 0.007+/-0.000 χ^2/NDF : 686355.4/23

0.008+/-0.000 χ^2/NDF : 814718.8/43

0.008+/-0.000 χ^2/NDF : 818526.7/42

yield_bpm0l03Y_mean vs slug



Right In: 1.622 $\pm$ 0.000 χ^2 /NDF: 26006902897.9/17

Left Out: 0.771 $\pm$ 0.000 χ^2 /NDF:15858221803.0/25

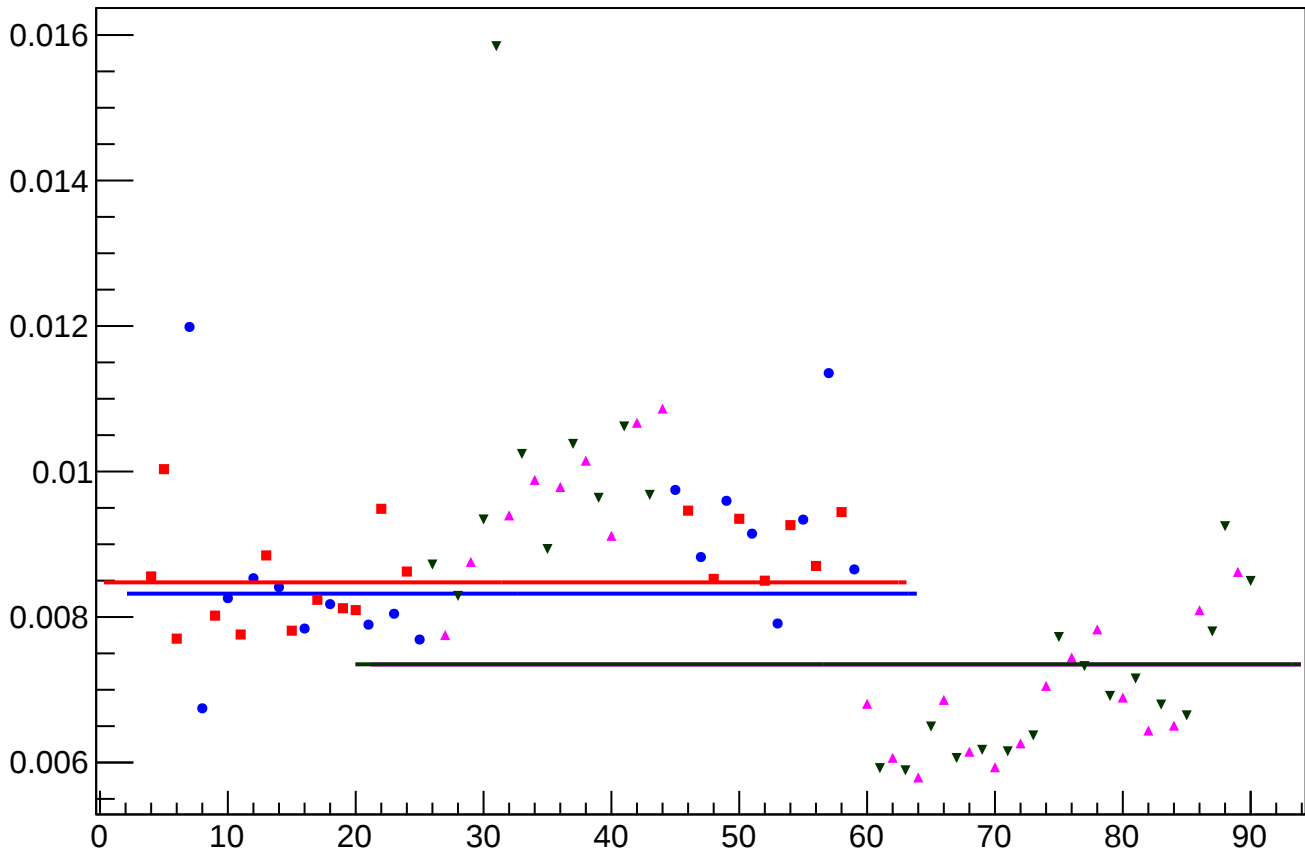
1.116 $\pm$ 0.000 χ^2 /NDF: 100079889903.7/43

Right Out: 1.675 $\pm$ 0.000 χ^2 /NDF: 9809193440.2/18

1.088 $\pm$ 0.000 χ^2 /NDF: 84021785314.2/42

Left In: 0.759 $\pm$ 0.000 χ^2 /NDF:12993681228.6/23

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 : 934540.7/25

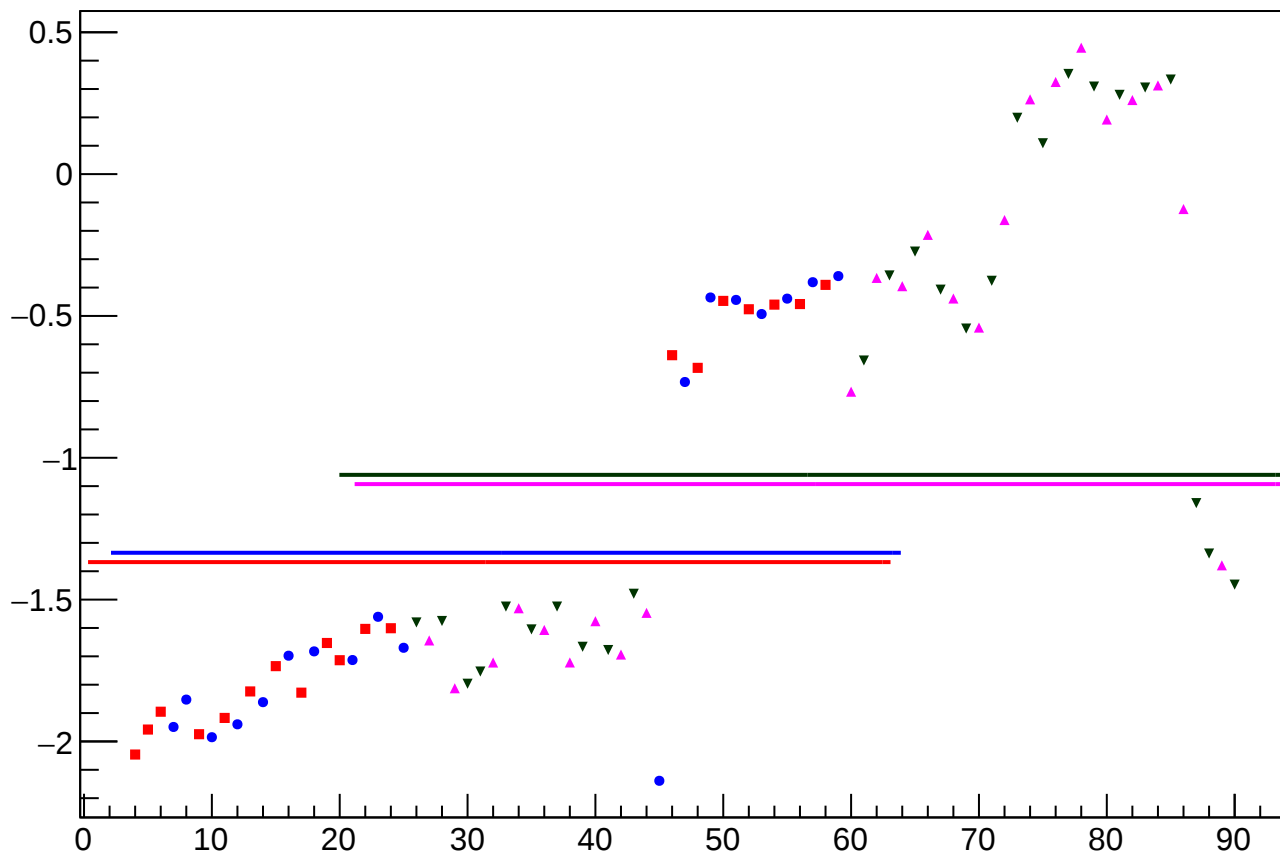
Right Out: 0.008 ± 0.000 χ^2/NDF : 80155.6/18

Left In: 0.007 ± 0.000 χ^2/NDF : 800454.4/23

0.008 ± 0.000 χ^2/NDF : 1317655.7/43

0.008 ± 0.000 χ^2/NDF : 1066889.3/42

yield_bpm0l04X_mean vs slug



Right In: -1.335+/-0.000 χ^2/NDF : 38397269291.9/17

Left Out: -1.060+/-0.000 χ^2/NDF : 35408993979.4/25

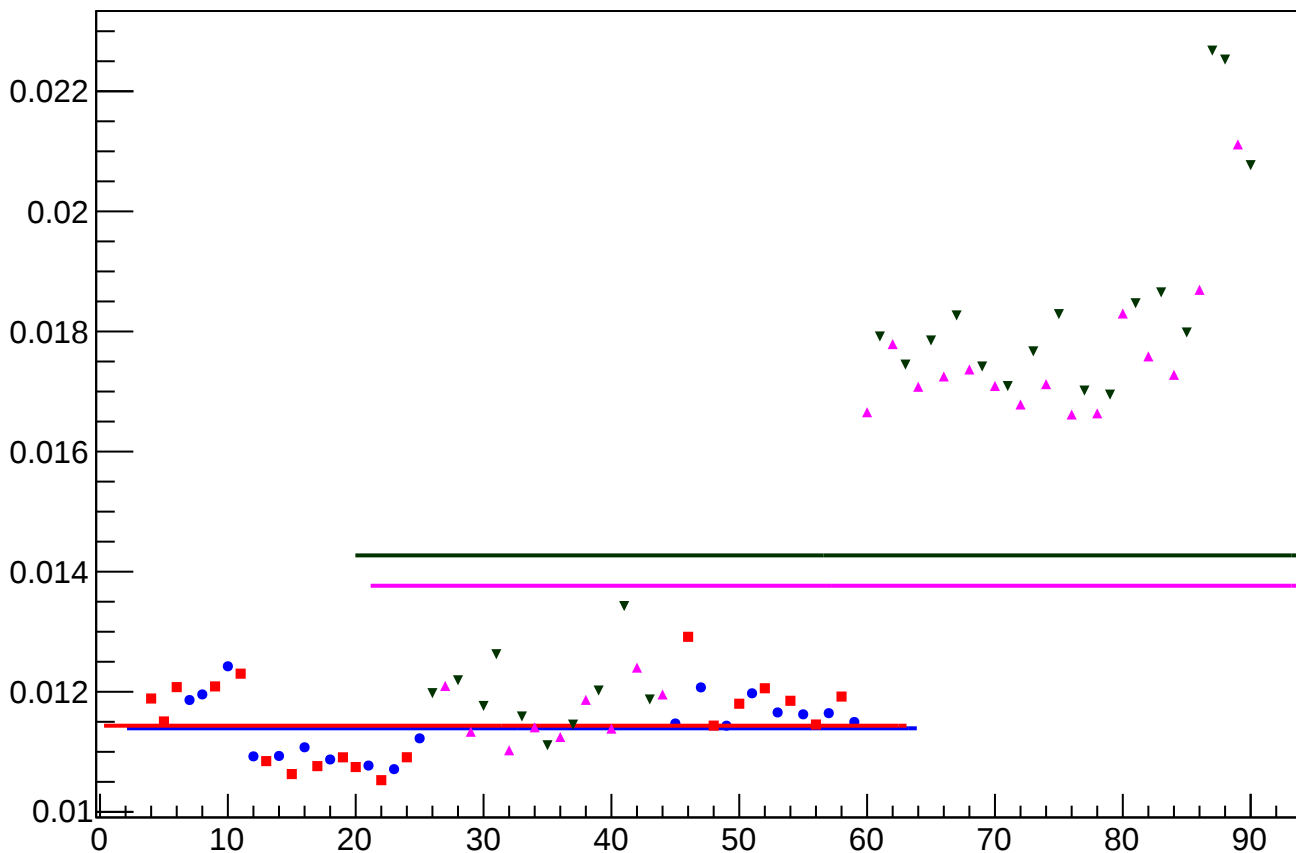
Right Out: -1.368+/-0.000 χ^2/NDF : 29057521992.7/18

Left In: -1.093+/-0.000 χ^2/NDF : 41776777682.1/23

-1.223+/-0.000 χ^2/NDF : 76445154148.4/43

-1.238+/-0.000 χ^2/NDF : 73498630780.9/42

yield_bpm0l04X_rms vs slug



Right In: 0.011+/-0.000 χ^2/NDF : 41989.4/17

Left Out: 0.014+/-0.000 χ^2/NDF :1136423.3/25

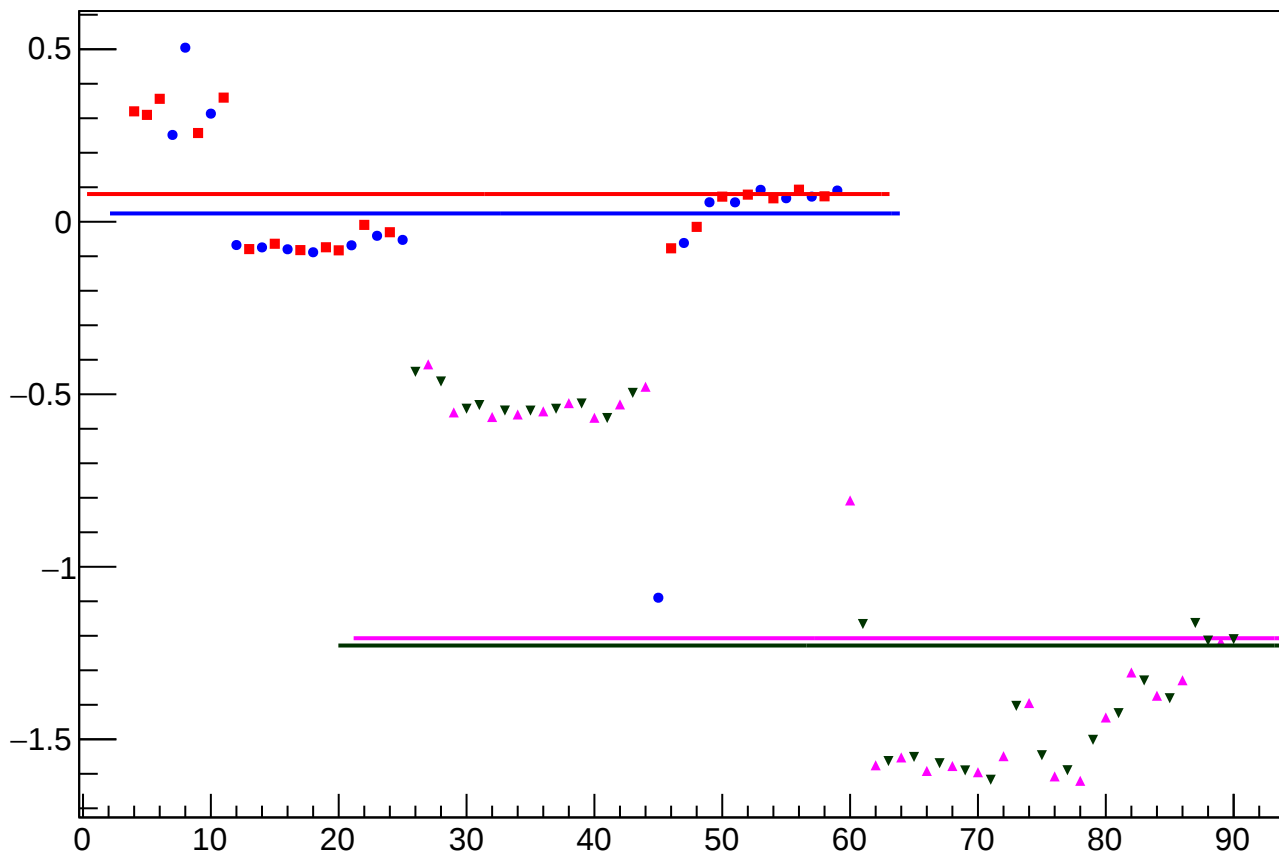
Right Out: 0.011+/-0.000 χ^2/NDF : 65676.1/18

Left In: 0.014+/-0.000 χ^2/NDF :1123251.7/23

0.013+/-0.000 χ^2/NDF : 1758477.5/43

0.013+/-0.000 χ^2/NDF : 1571718.0/42

yield_bpm0l04Y_mean vs slug



Right In: 0.024+/-0.000 χ^2/NDF : 18234538167.9/17

Left Out: -1.228+/-0.000 χ^2/NDF : 57837502479.1/25

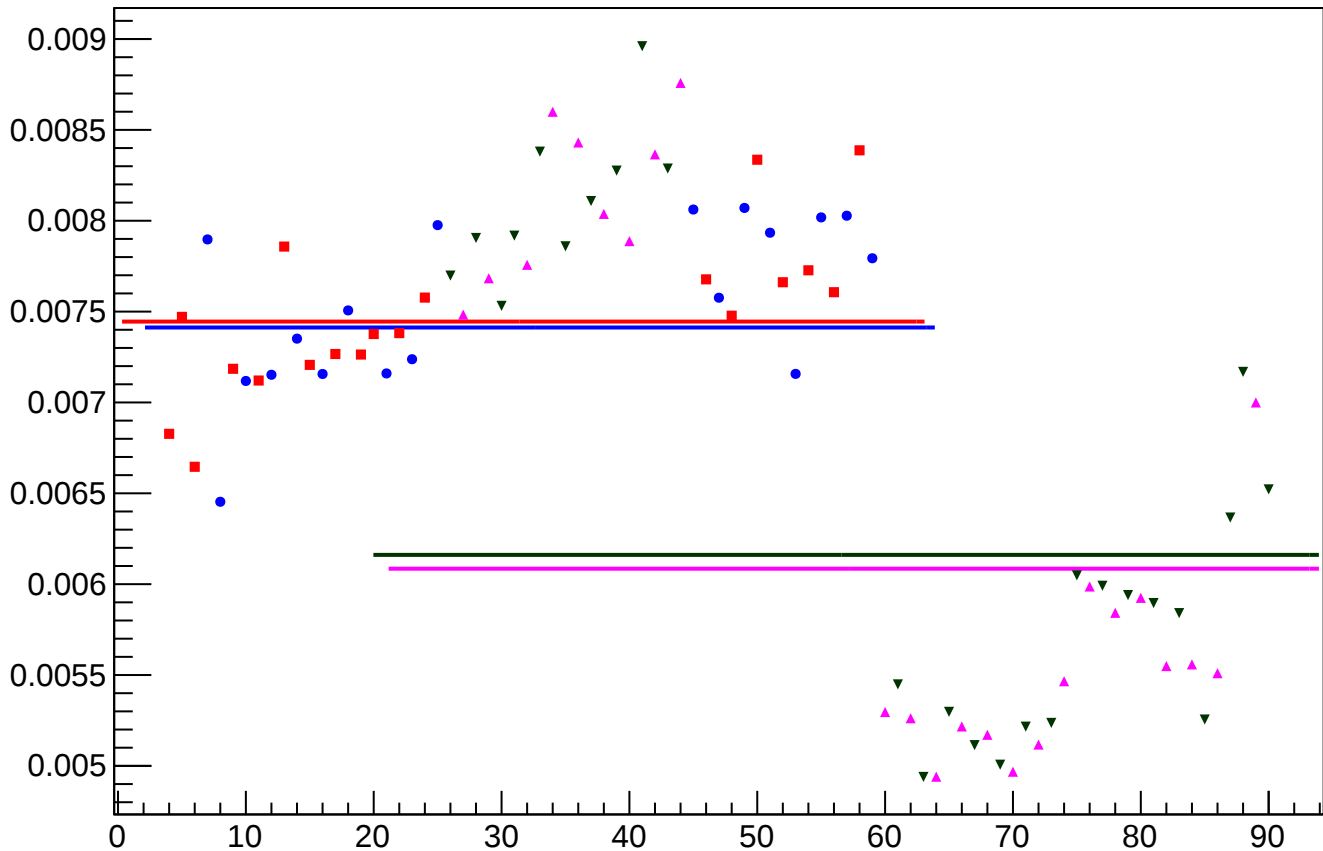
-0.746+/-0.000 χ^2/NDF : 267265408669.8/43

Right Out: 0.080+/-0.000 χ^2/NDF : 4561023053.2/18

-0.772+/-0.000 χ^2/NDF : 260006363601.0/42

Left In: -1.207+/-0.000 χ^2/NDF : 66022894766.9/23

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 : 918957.1/25

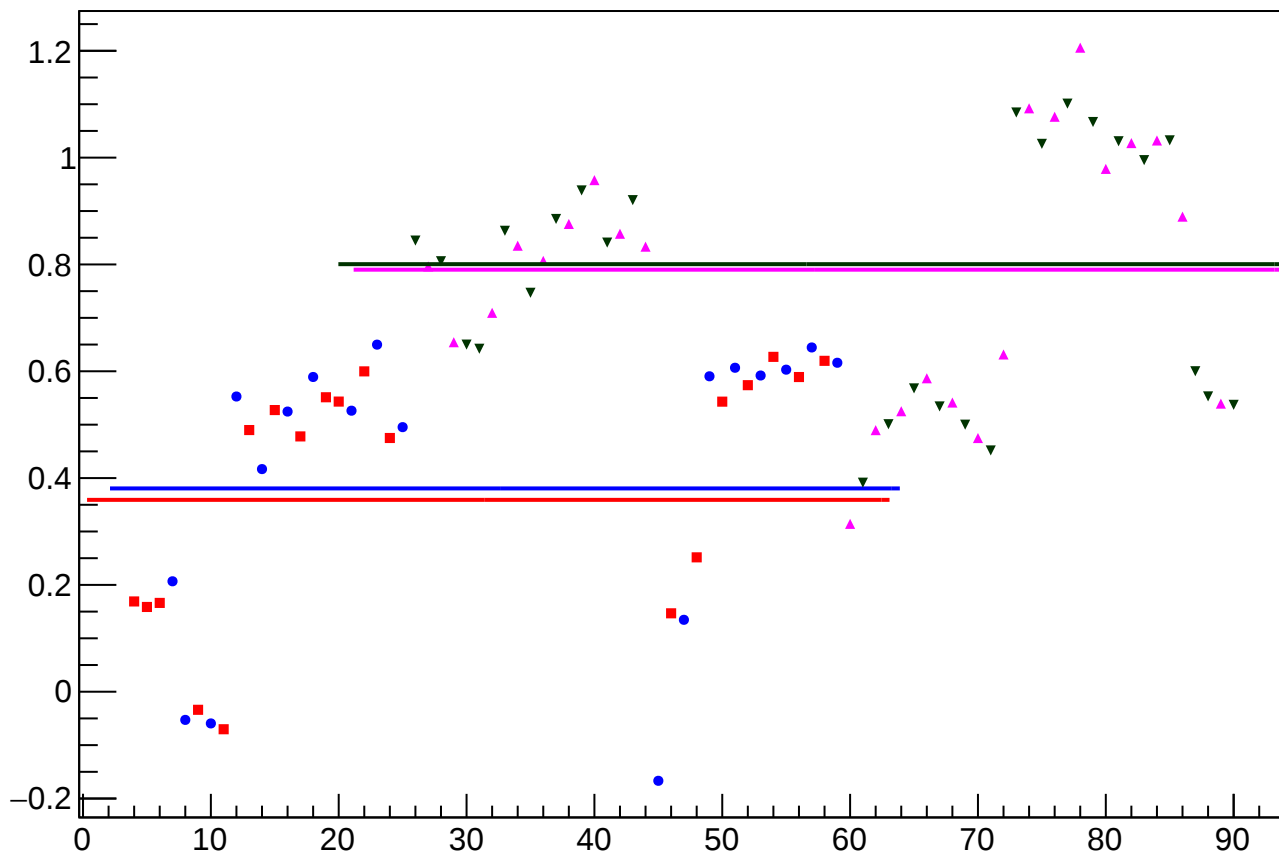
Right Out: 0.007+/-0.000 χ^2/NDF : 61122.7/18

Left In: 0.006+/-0.000 χ^2/NDF : 956447.0/23

0.007+/-0.000 χ^2/NDF : 1391882.0/43

0.007+/-0.000 χ^2/NDF : 1440310.9/42

yield_bpm0l05X_mean vs slug



Right In: 0.381 $\pm$ 0.000 χ^2 /NDF: 17766233664.3/17

Left Out: 0.801 $\pm$ 0.000 χ^2 /NDF:11428771157.5/25

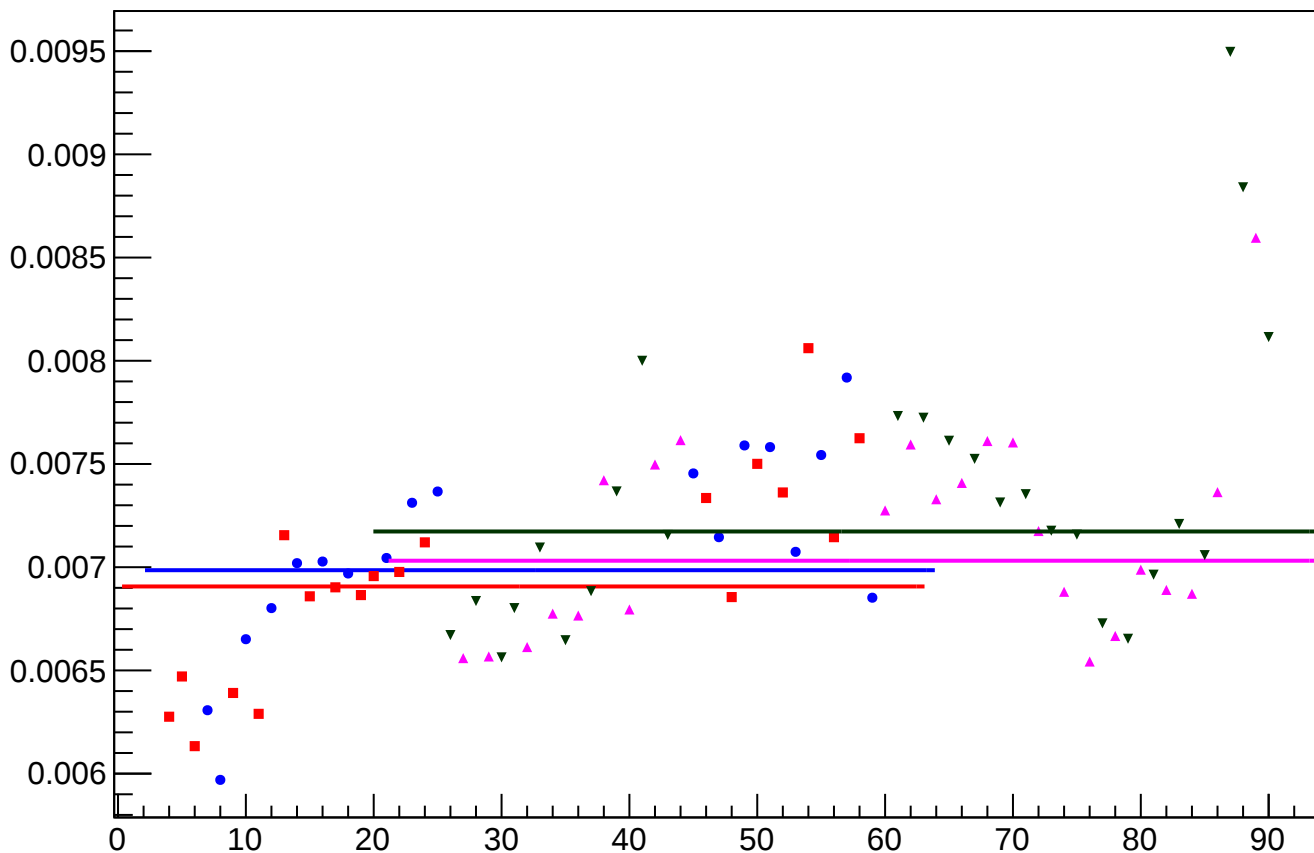
Right Out: 0.359 $\pm$ 0.000 χ^2 /NDF: 11904326957.3/18

Left In: 0.790 $\pm$ 0.000 χ^2 /NDF:12532234848.7/23

0.599 $\pm$ 0.000 χ^2 /NDF: 49791542280.4/43

0.603 $\pm$ 0.000 χ^2 /NDF: 45721721091.1/42

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 :120631.1/25

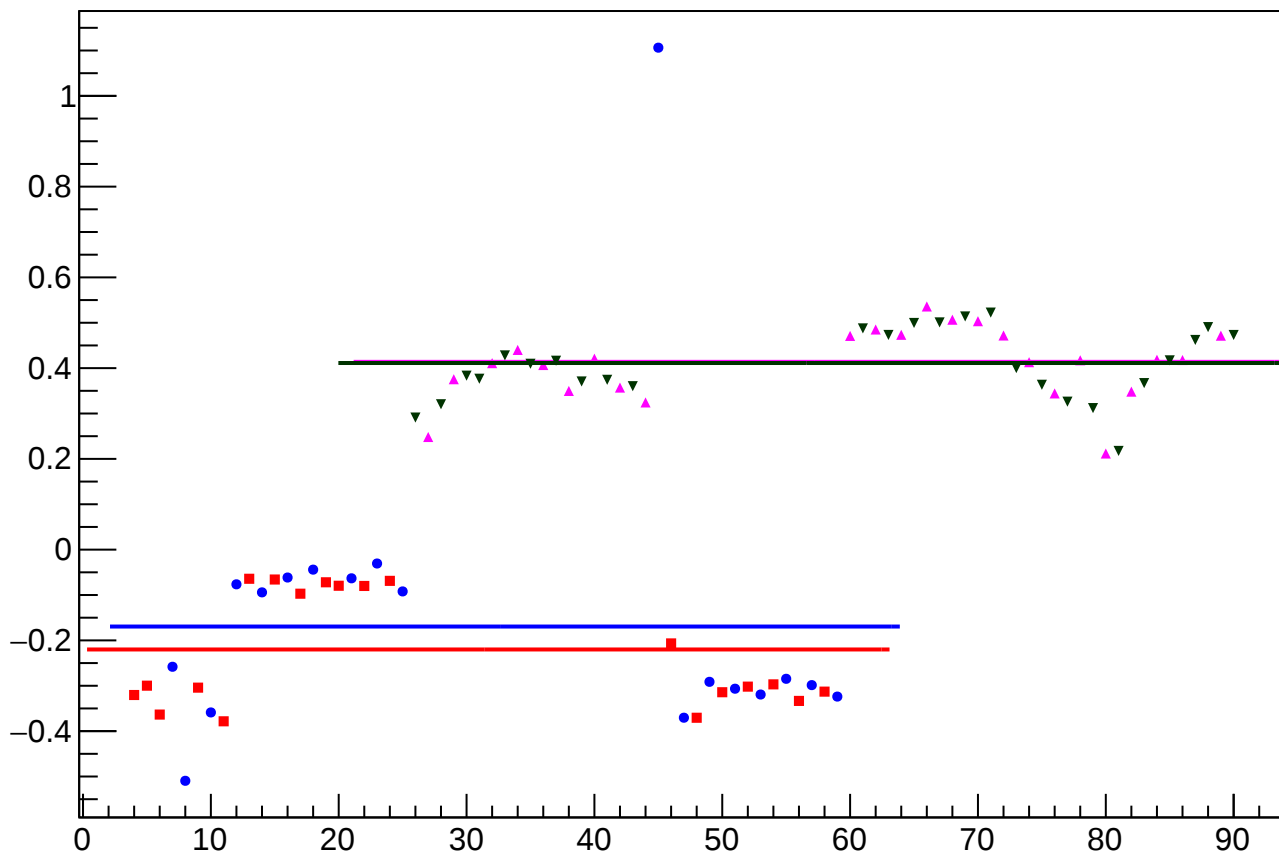
Right Out: 0.007+/-0.000 χ^2/NDF : 97555.6/18

Left In: 0.007+/-0.000 χ^2/NDF :103807.4/23

0.007+/-0.000 χ^2/NDF : 236007.8/43

0.007+/-0.000 χ^2/NDF : 204927.9/42

yield_bpm0l05Y_mean vs slug



Right In: -0.169+/-0.000 χ^2/NDF : 37135565875.9/17

Left Out: 0.411+/-0.000 χ^2/NDF :3342887277.0/25

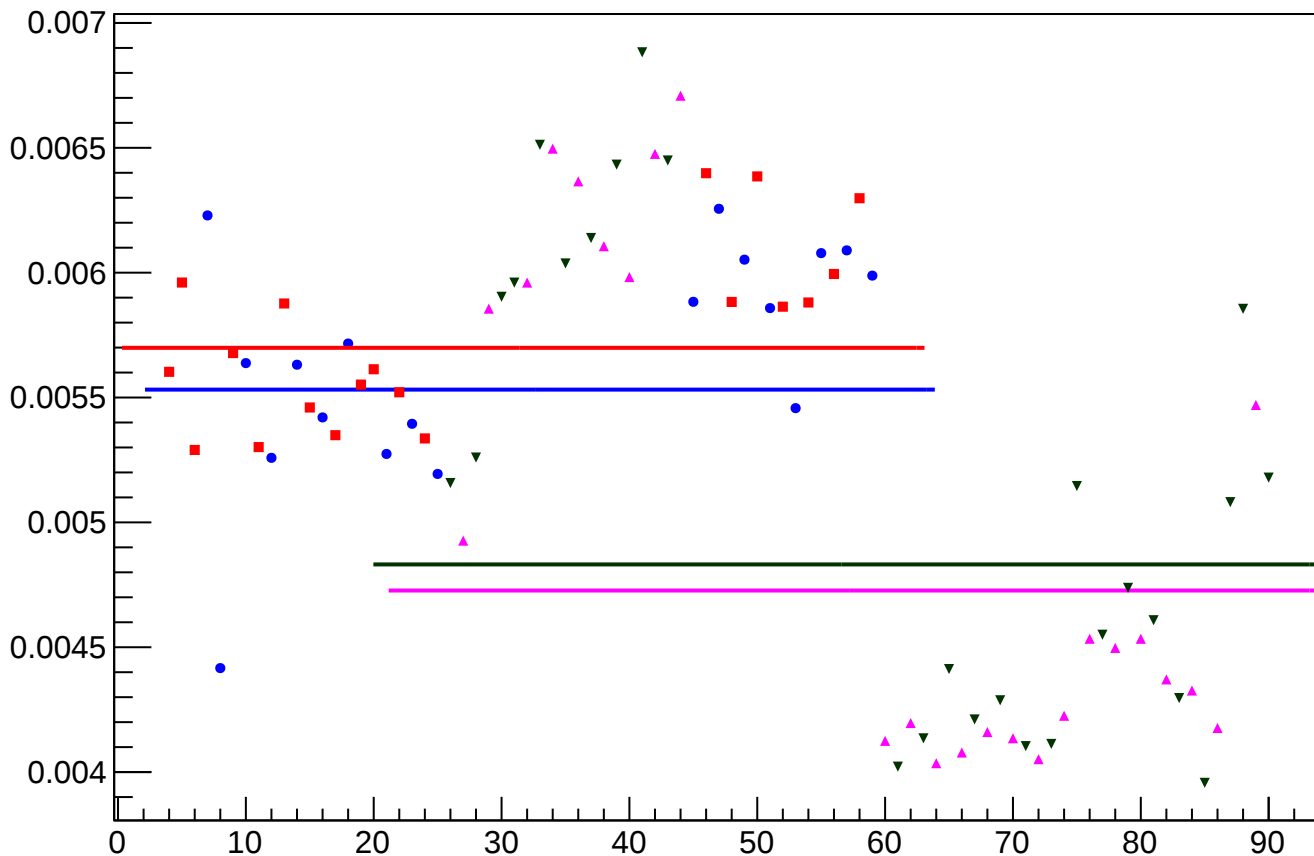
Right Out: -0.220+/-0.000 χ^2/NDF : 4721801975.9/18

Left In: 0.414+/-0.000 χ^2/NDF :3846302358.0/23

0.175+/-0.000 χ^2/NDF : 110978309131.3/43

0.196+/-0.000 χ^2/NDF : 85861291325.1/42

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 : 734811.6/25

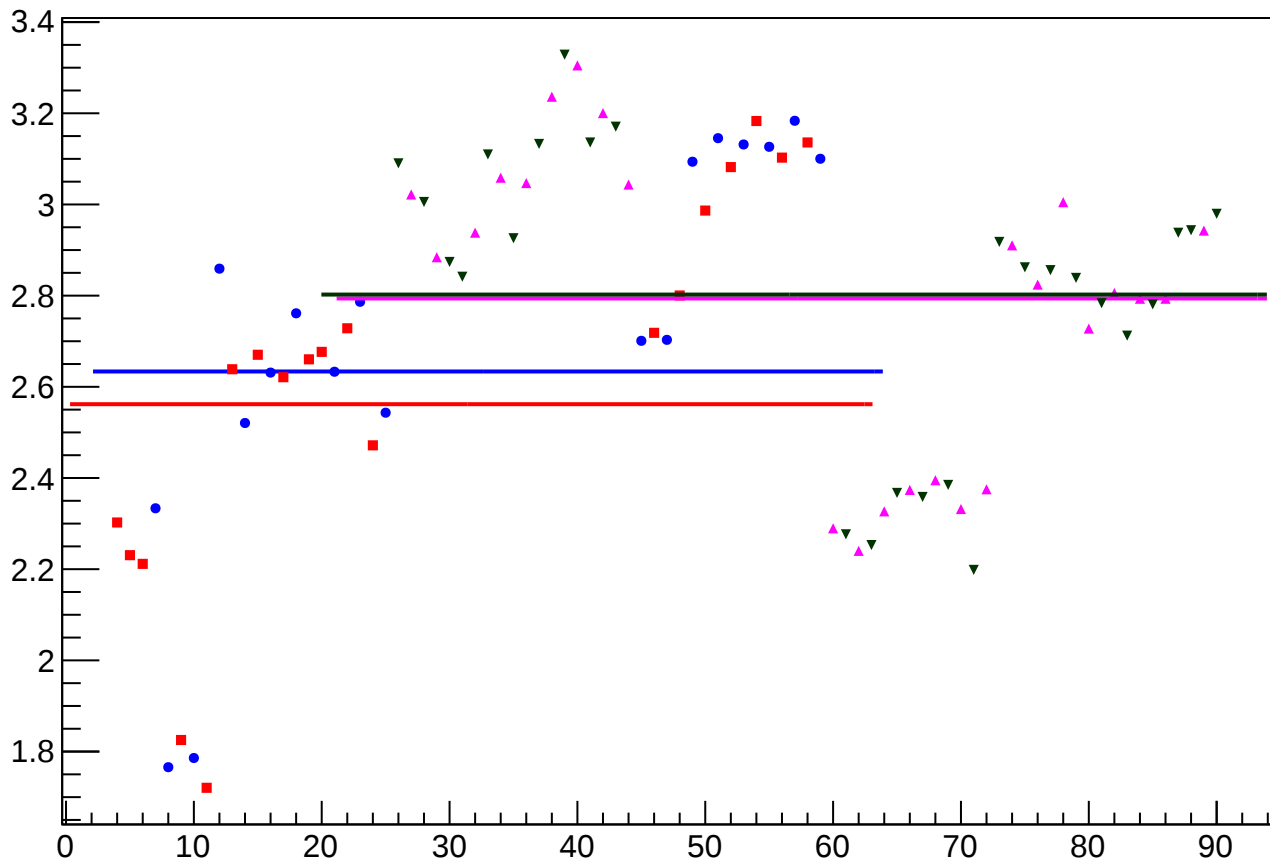
Right Out: 0.006+/-0.000 χ^2/NDF : 66415.4/18

Left In: 0.005+/-0.000 χ^2/NDF : 756489.5/23

0.005+/-0.000 χ^2/NDF : 1126695.3/43

0.005+/-0.000 χ^2/NDF : 1186327.1/42

yield_bpm0l06X_mean vs slug



Right In: 2.634+/-0.000 χ^2/NDF : 15879791998.3/17

Left Out: 2.802+/-0.000 χ^2/NDF : 13143261576.4/25

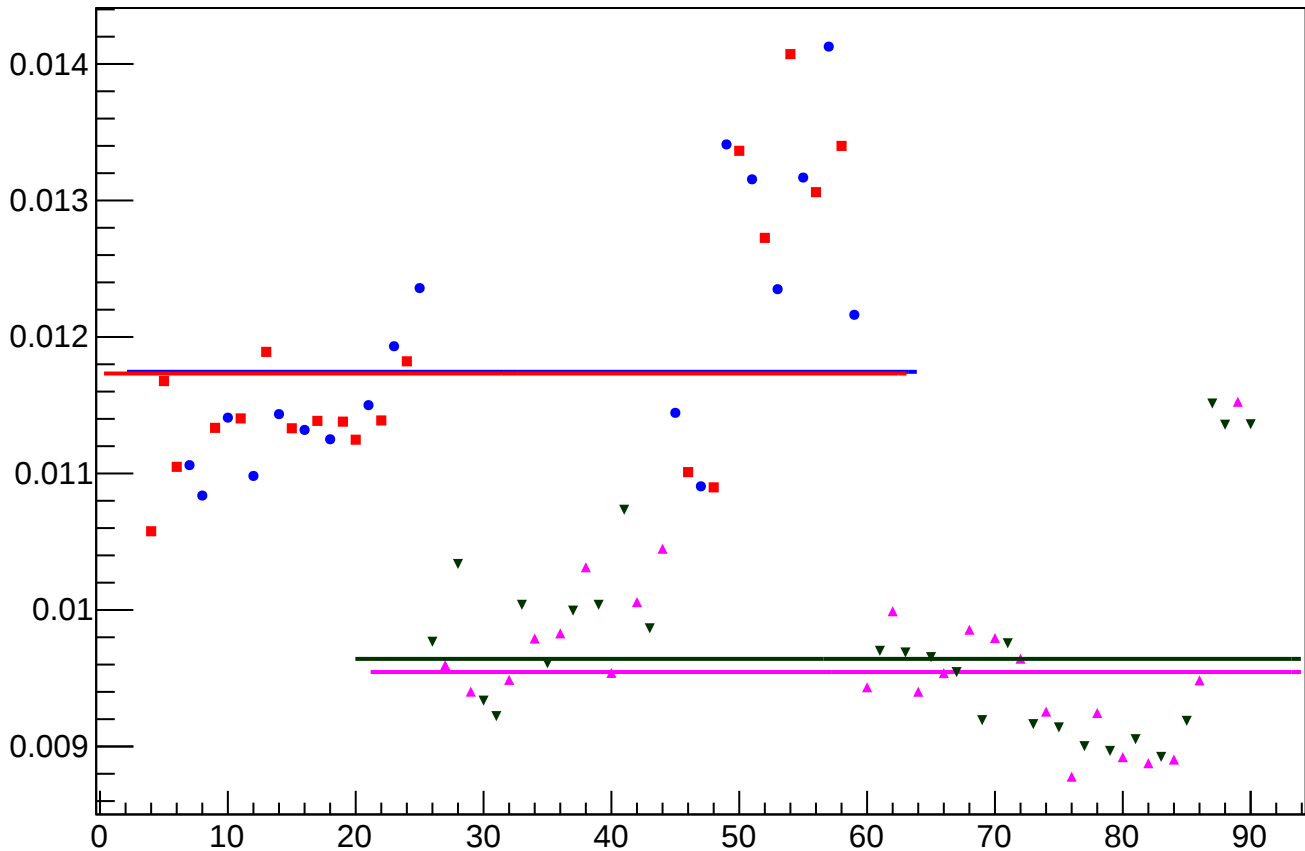
2.740+/-0.000 χ^2/NDF : 30448097124.9/43

Right Out: 2.562+/-0.000 χ^2/NDF : 12349960173.0/18

2.718+/-0.000 χ^2/NDF : 28159694093.1/42

Left In: 2.794+/-0.000 χ^2/NDF : 13285379393.9/23

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:102252.1/25

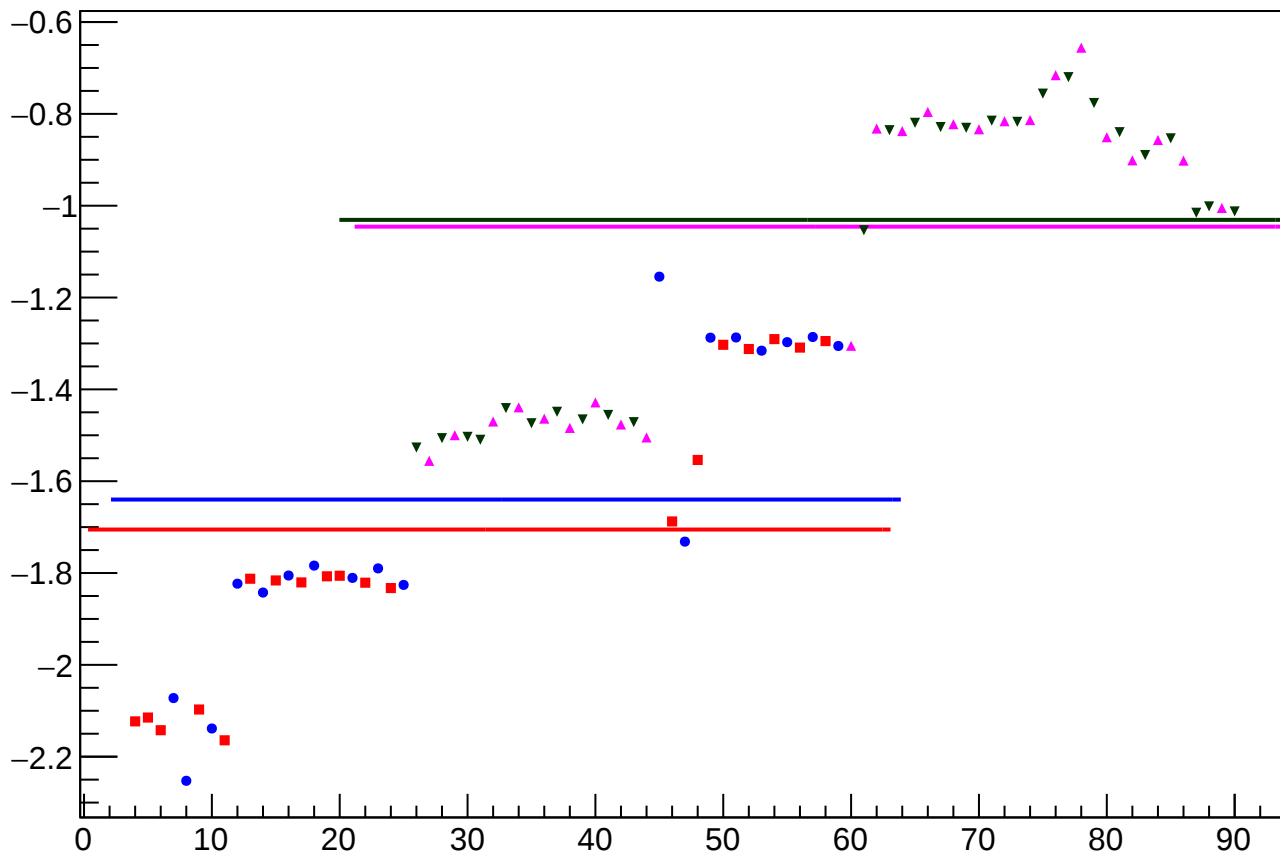
0.010 $\pm$ 0.000 χ^2 /NDF: 662502.8/43

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 107336.5/18

0.010 $\pm$ 0.000 χ^2 /NDF: 629934.2/42

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:73753.7/23

yield_bpm0l06Y_mean vs slug



Right In: -1.640+/-0.000 χ^2/NDF : 63862011114.5/17

Left Out: -1.031+/-0.000 χ^2/NDF : 53437834727.1/25

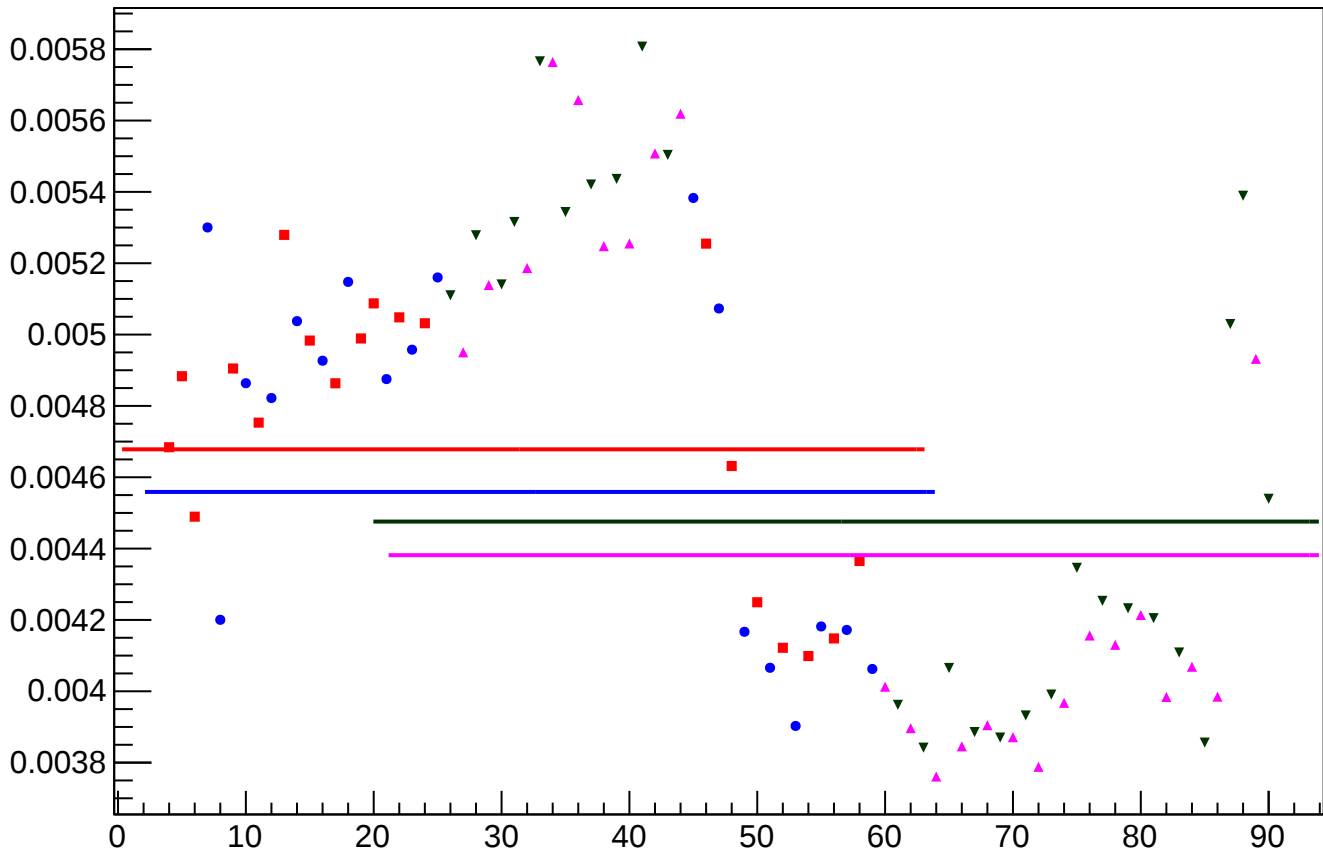
-1.311+/-0.000 χ^2/NDF : 221758045619.3/43

Right Out: -1.705+/-0.000 χ^2/NDF : 45414052250.2/18

-1.308+/-0.000 χ^2/NDF : 223977799615.0/42

Left In: -1.046+/-0.000 χ^2/NDF : 63733949925.6/23

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 : 524055.0/25

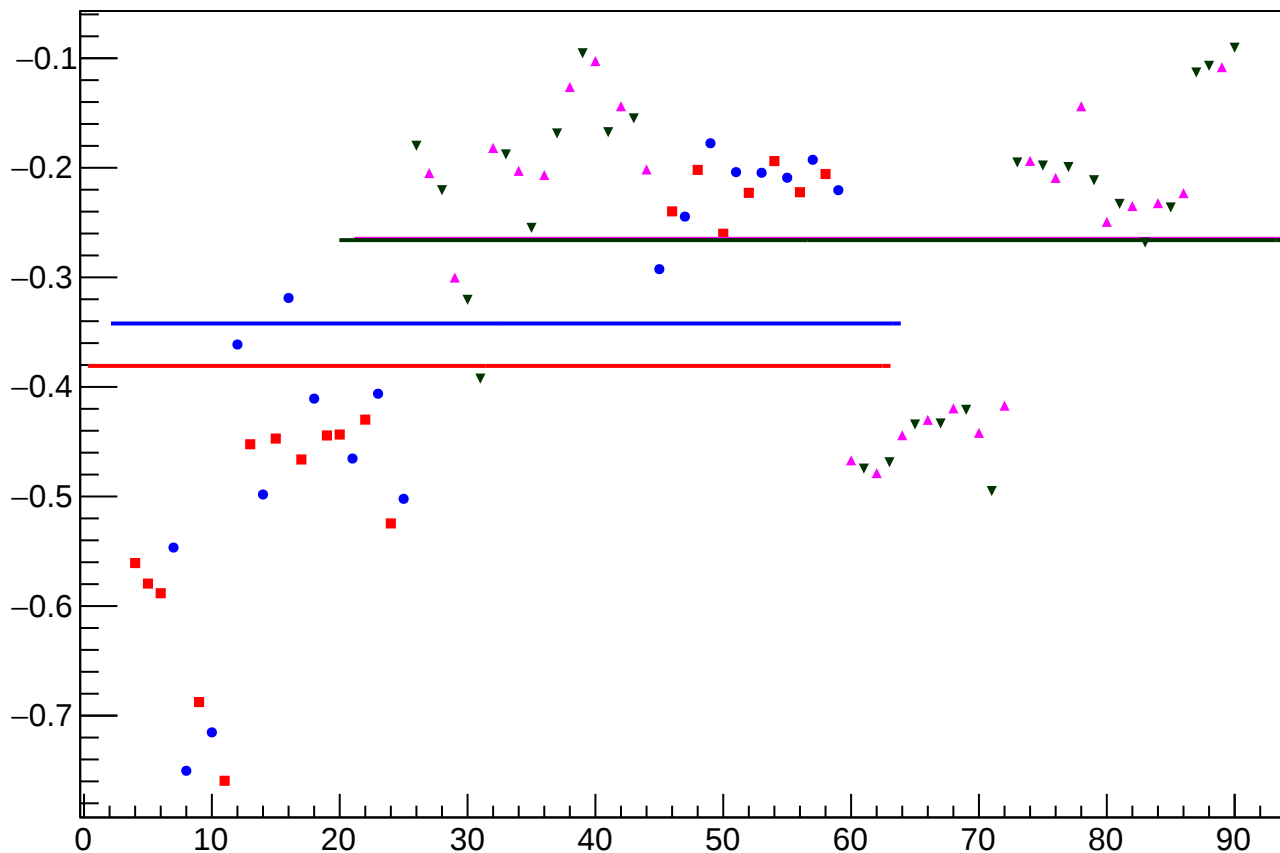
0.005+/-0.000 χ^2/NDF : 756534.7/43

Right Out: 0.005+/-0.000 χ^2/NDF : 136426.0/18

0.004+/-0.000 χ^2/NDF : 718234.1/42

Left In: 0.004+/-0.000 χ^2/NDF : 535339.1/23

yield_bpm0l07X_mean vs slug



Right In: -0.342+/-0.000 χ^2/NDF : 1669772673.5/17

Left Out: -0.266+/-0.000 χ^2/NDF : 860851070.8/25

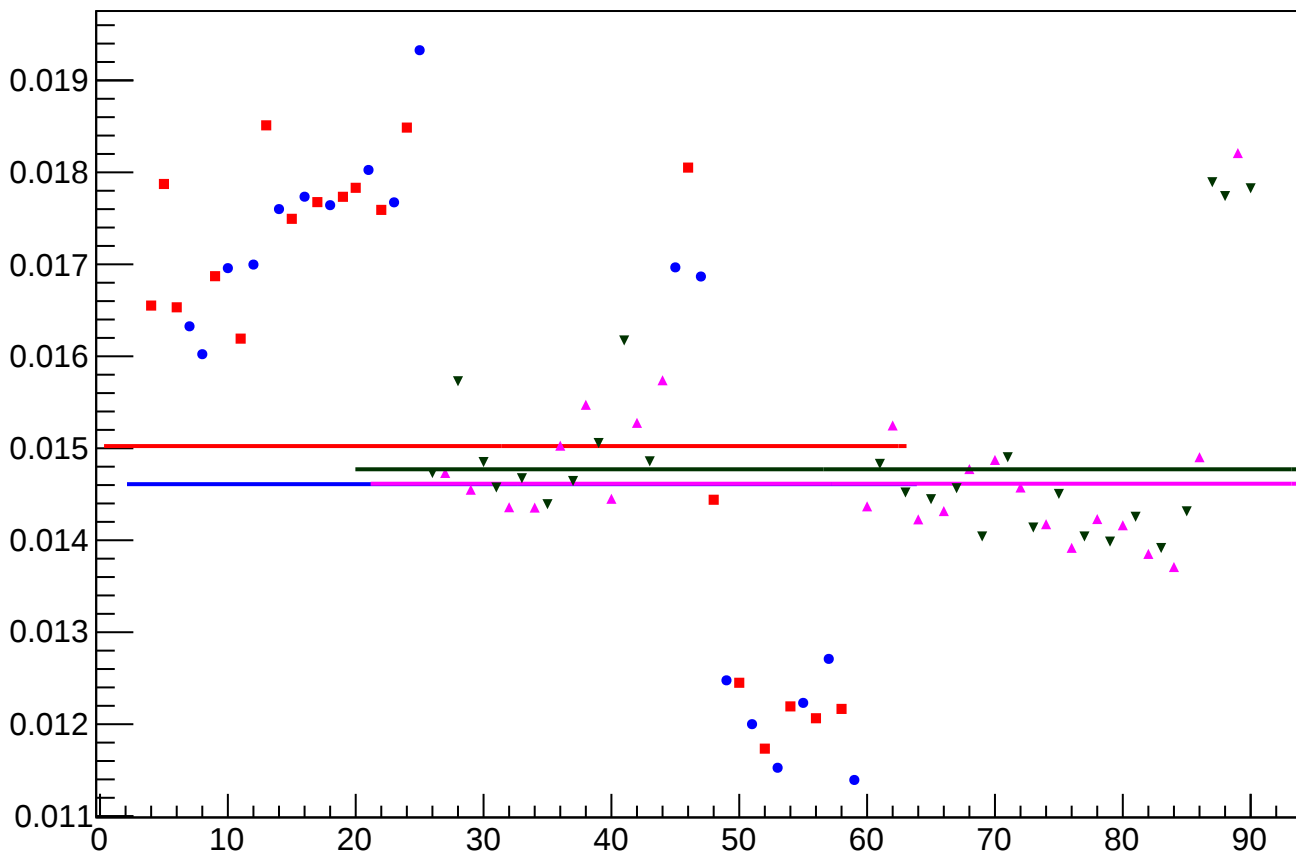
Right Out: -0.381+/-0.000 χ^2/NDF : 1387002500.9/18

Left In: -0.265+/-0.000 χ^2/NDF : 831352981.3/23

-0.301+/-0.000 χ^2/NDF : 2686448325.5/43

-0.312+/-0.000 χ^2/NDF : 2551495943.3/42

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 : 87613.2/25

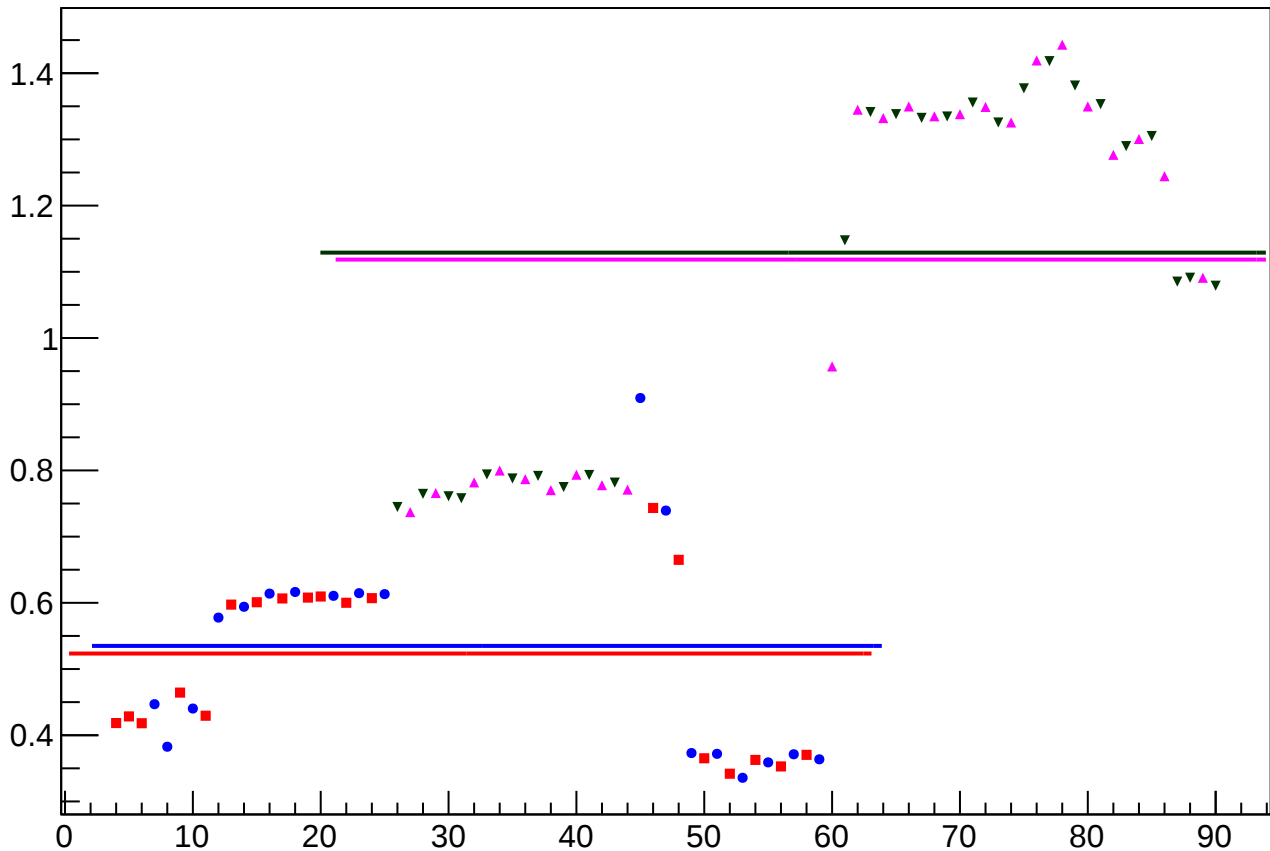
Right Out: 0.015+/-0.000 χ^2/NDF : 573783.3/18

Left In: 0.015+/-0.000 χ^2/NDF : 62739.9/23

0.015+/-0.000 χ^2/NDF : 800948.6/43

0.015+/-0.000 χ^2/NDF : 644820.2/42

yield_bpm0l07Y_mean vs slug



Right In: 0.535+/-0.000 χ^2/NDF : 21231144094.8/17

Left Out: 1.129+/-0.000 χ^2/NDF : 99379076227.1/25

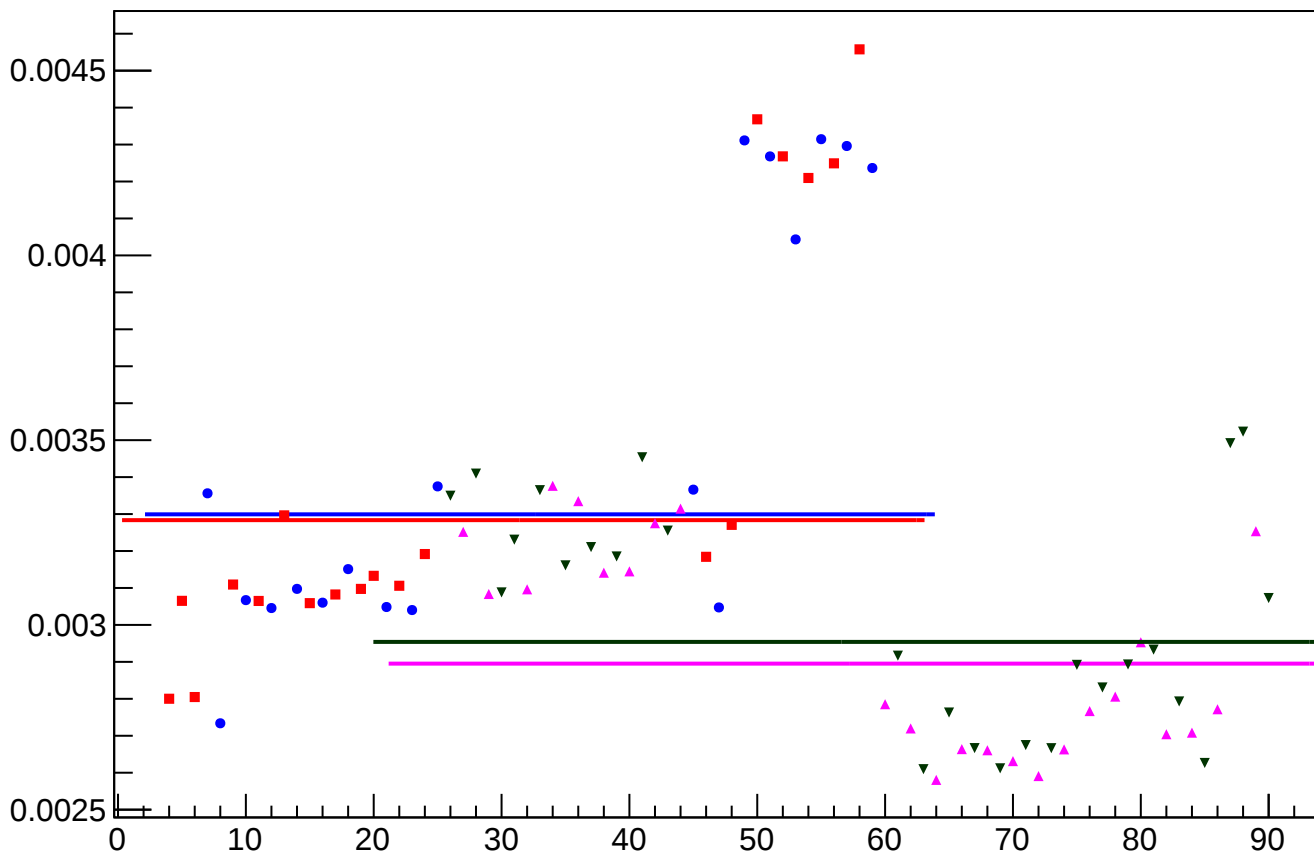
0.886+/-0.000 χ^2/NDF : 326339574741.5/43

Right Out: 0.523+/-0.000 χ^2/NDF : 11523934099.1/18

0.903+/-0.000 χ^2/NDF : 321412589513.1/42

Left In: 1.118+/-0.000 χ^2/NDF : 111689211758.5/23

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 :233818.3/25

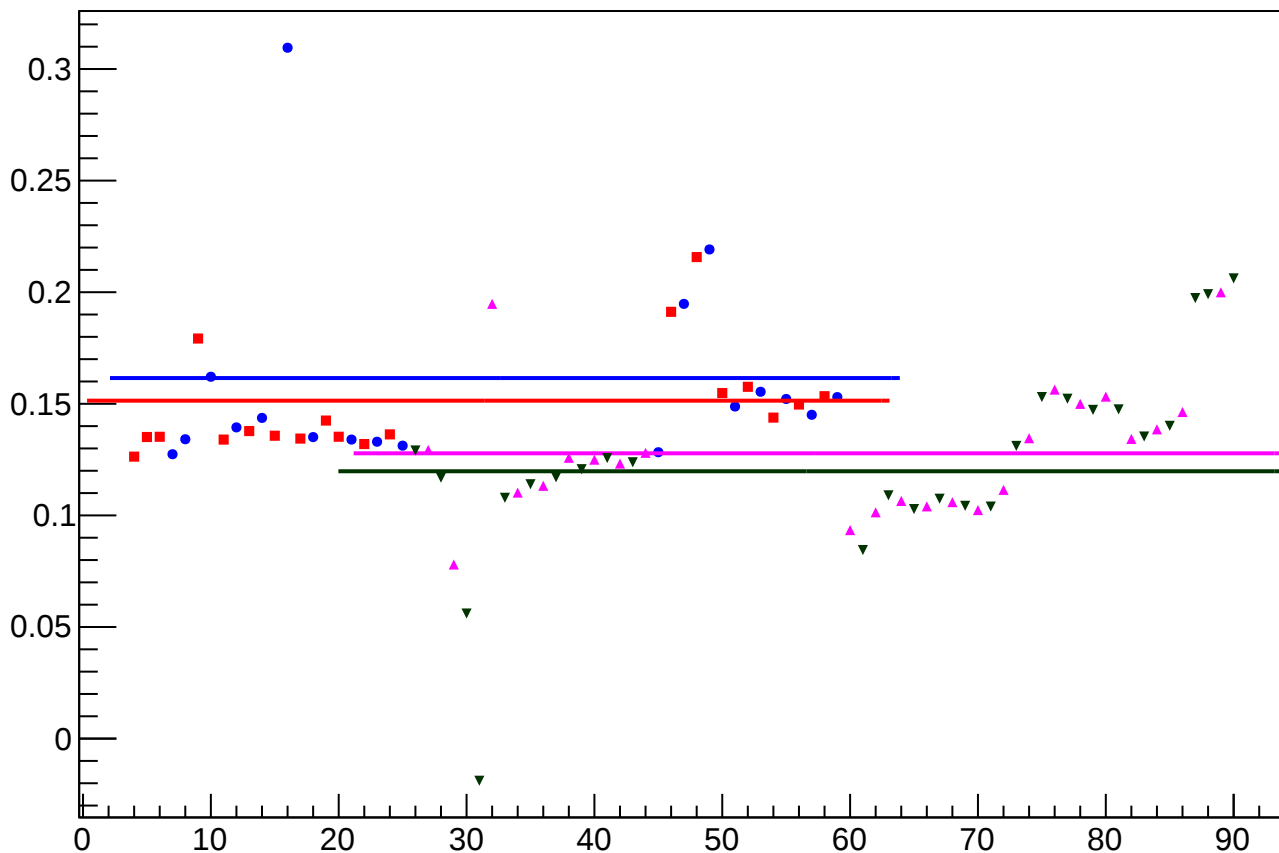
Right Out: 0.003+/-0.000 χ^2/NDF : 382277.8/18

Left In: 0.003+/-0.000 χ^2/NDF :206417.8/23

0.003+/-0.000 χ^2/NDF : 870360.5/43

0.003+/-0.000 χ^2/NDF : 757503.3/42

yield_bpm0l08X_mean vs slug



Right In: 0.162 $\pm$ 0.000 χ^2 /NDF: 94764439.1/17

Left Out: 0.120 $\pm$ 0.000 χ^2 /NDF:90838657.4/25

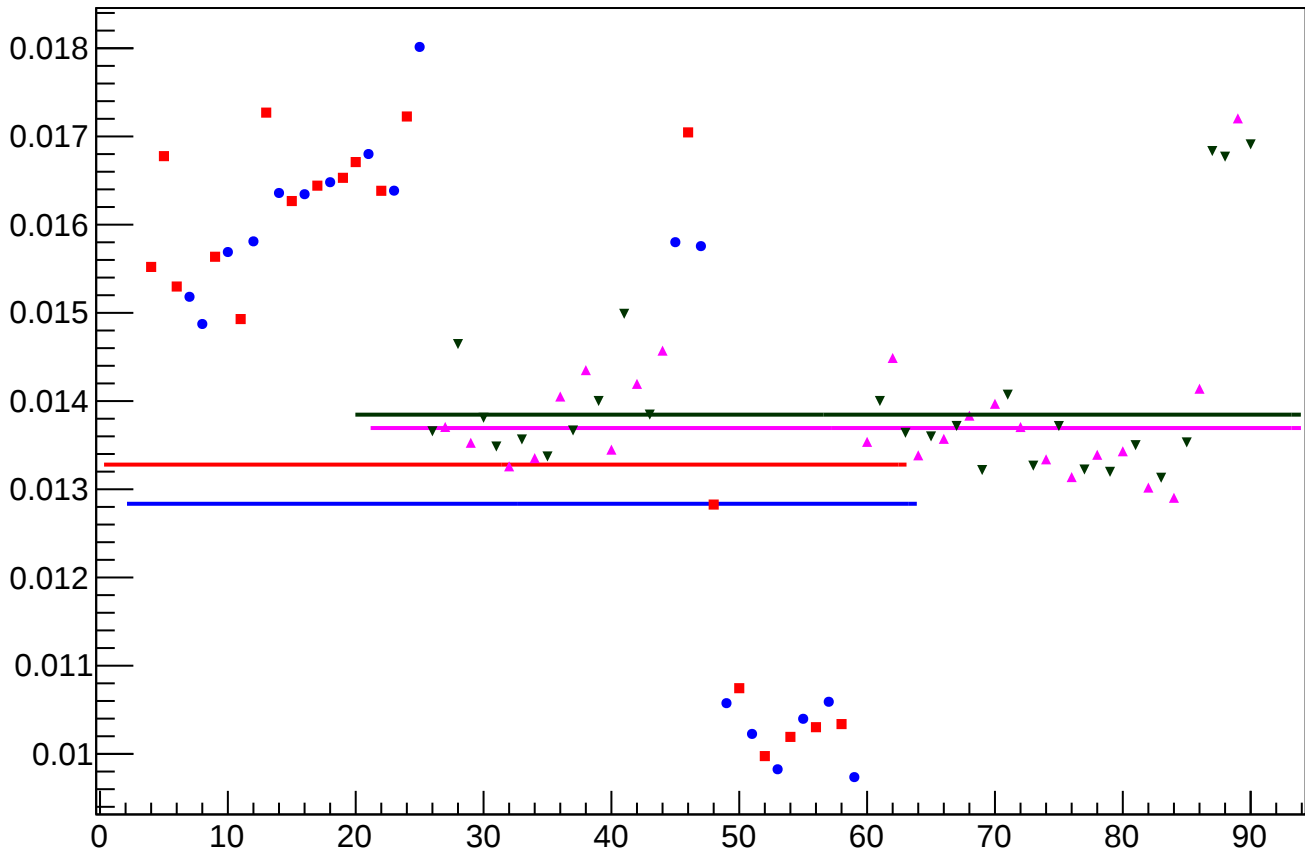
Right Out: 0.151 $\pm$ 0.000 χ^2 /NDF: 22463584.0/18

Left In: 0.128 $\pm$ 0.000 χ^2 /NDF:61602746.0/23

0.140 $\pm$ 0.000 χ^2 /NDF: 242159168.5/43

0.138 $\pm$ 0.000 χ^2 /NDF: 100624330.2/42

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 : 86596.6/25

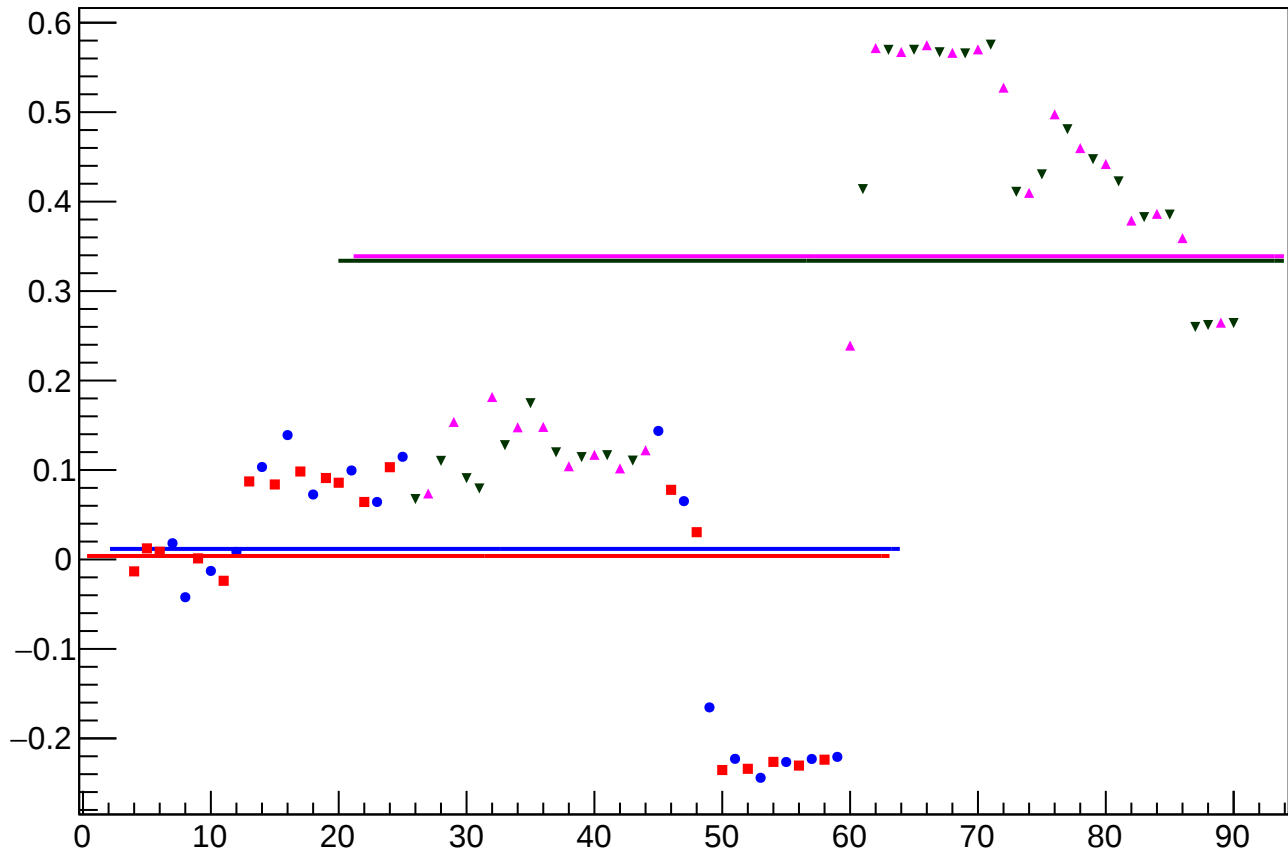
0.013+/-0.000 χ^2/NDF : 1241044.1/43

Right Out: 0.013+/-0.000 χ^2/NDF : 890007.3/18

0.014+/-0.000 χ^2/NDF : 962148.4/42

Left In: 0.014+/-0.000 χ^2/NDF : 61907.5/23

yield_bpm0l08Y_mean vs slug



Right In: 0.012+/-0.000 χ^2/NDF : 12179192870.2/17

Left Out: 0.334+/-0.000 χ^2/NDF : 45813716191.0/25

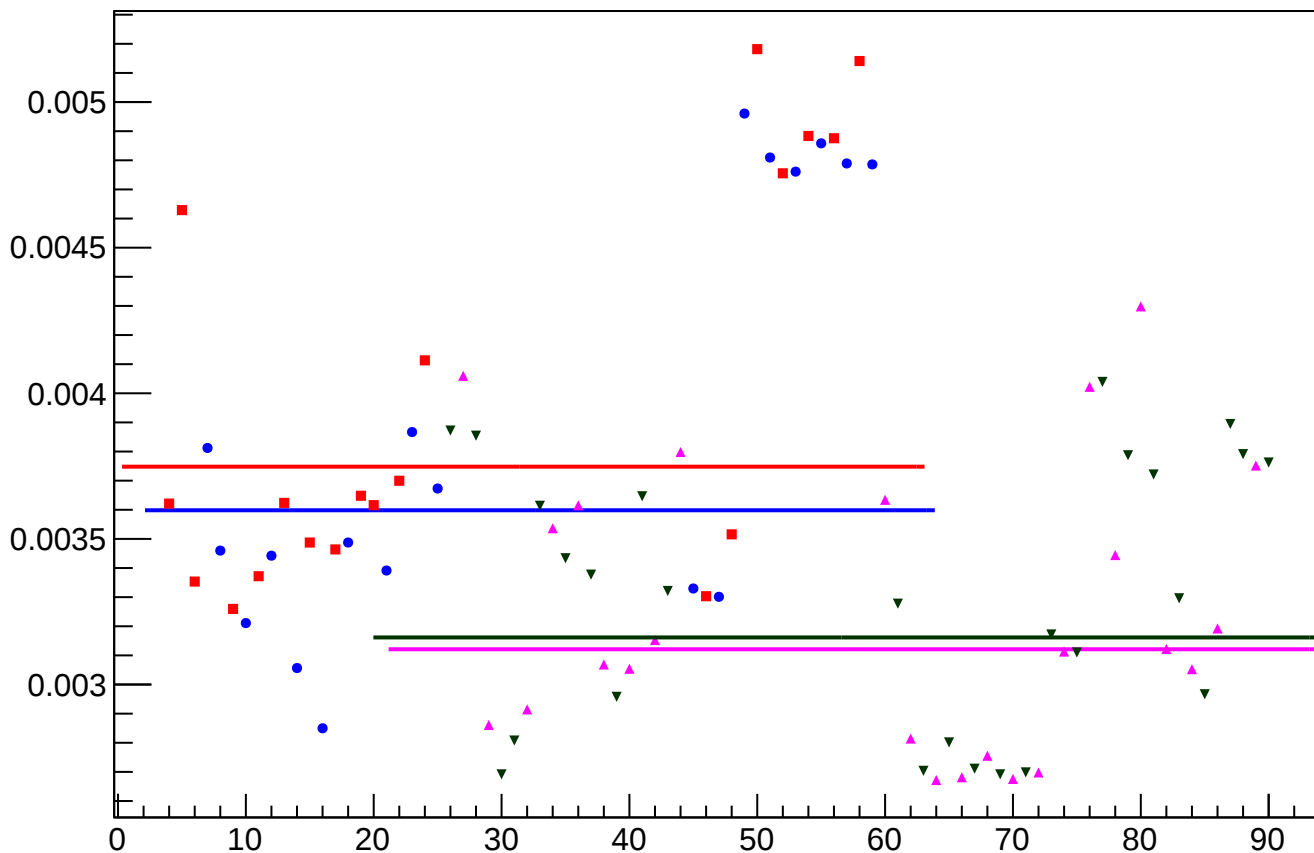
Right Out: 0.004+/-0.000 χ^2/NDF : 7924148421.7/18

Left In: 0.339+/-0.000 χ^2/NDF : 45242299720.9/23

0.205+/-0.000 χ^2/NDF : 108188070968.3/43

0.226+/-0.000 χ^2/NDF : 101881415410.0/42

yield_bpm0l08Y_rms vs slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 672957.8/17

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 454708.6/25

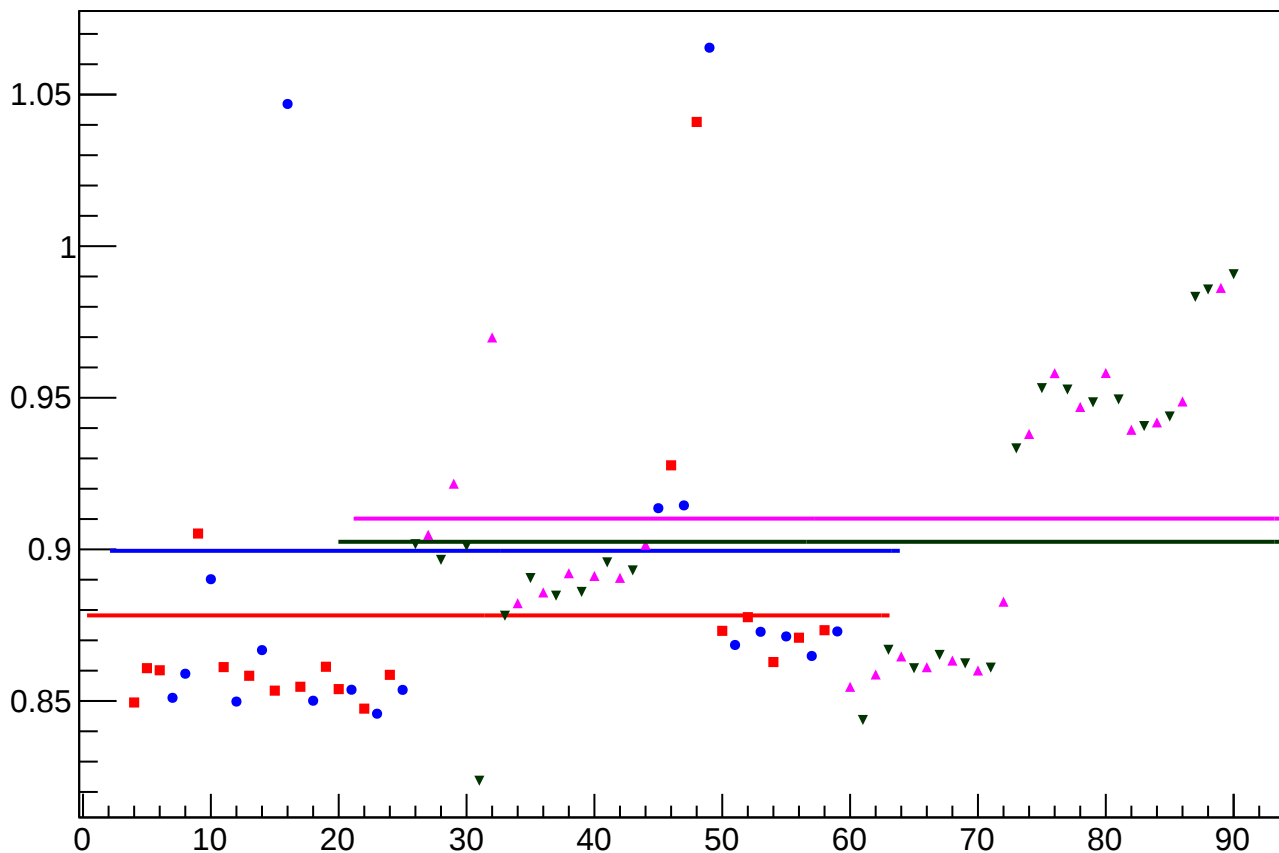
0.003 $\pm$ 0.000 χ^2 /NDF: 1312211.3/43

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 427283.7/18

0.003 $\pm$ 0.000 χ^2 /NDF: 1259642.5/42

Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 491192.0/23

yield_bpm0l09X_mean vs slug



Right In: 0.900+/-0.000 χ^2/NDF : 324904340.4/17

Left Out: 0.903+/-0.000 χ^2/NDF :107436426.1/25

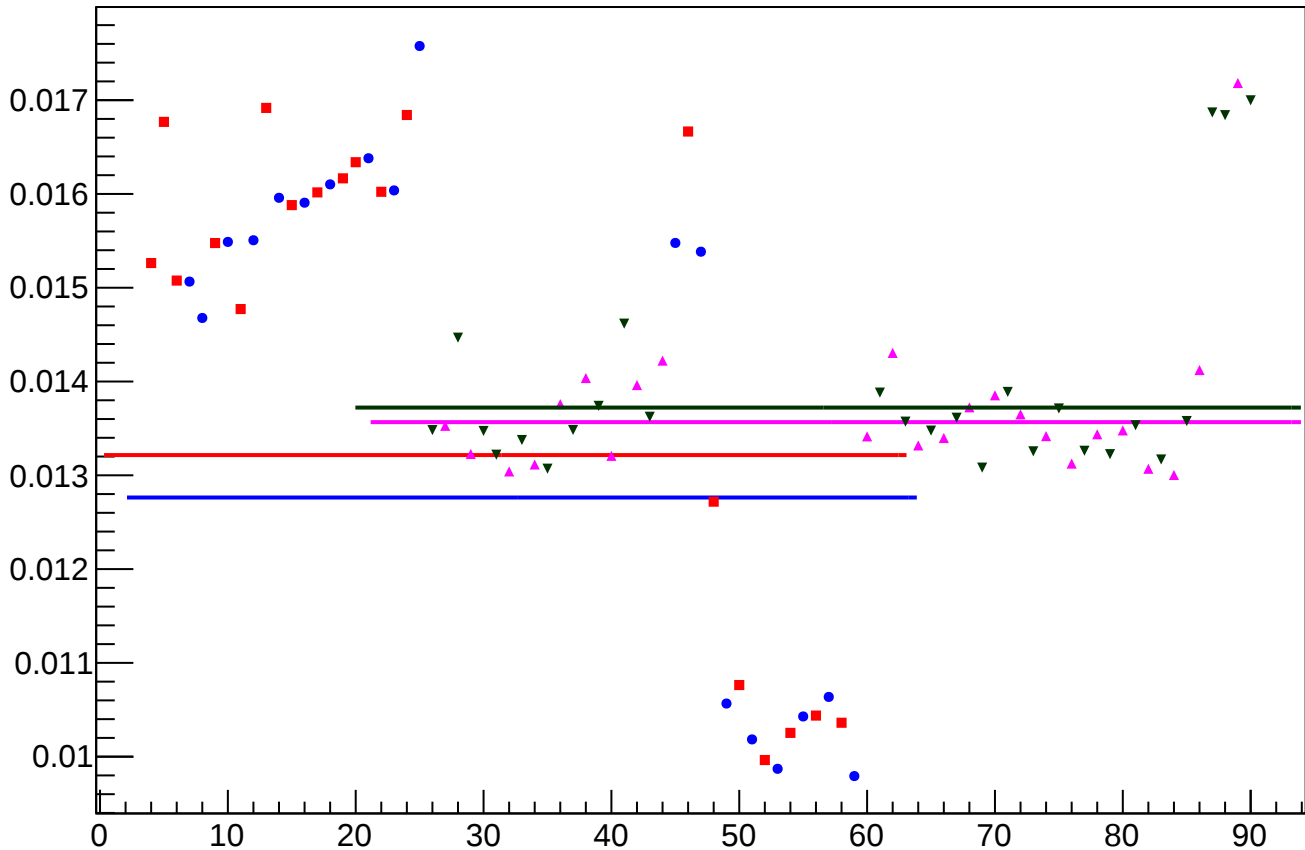
0.901+/-0.000 χ^2/NDF : 432632593.4/43

Right Out: 0.878+/-0.000 χ^2/NDF : 92356263.0/18

0.897+/-0.000 χ^2/NDF : 229292194.0/42

Left In: 0.910+/-0.000 χ^2/NDF :106169575.2/23

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 : 88080.5/25

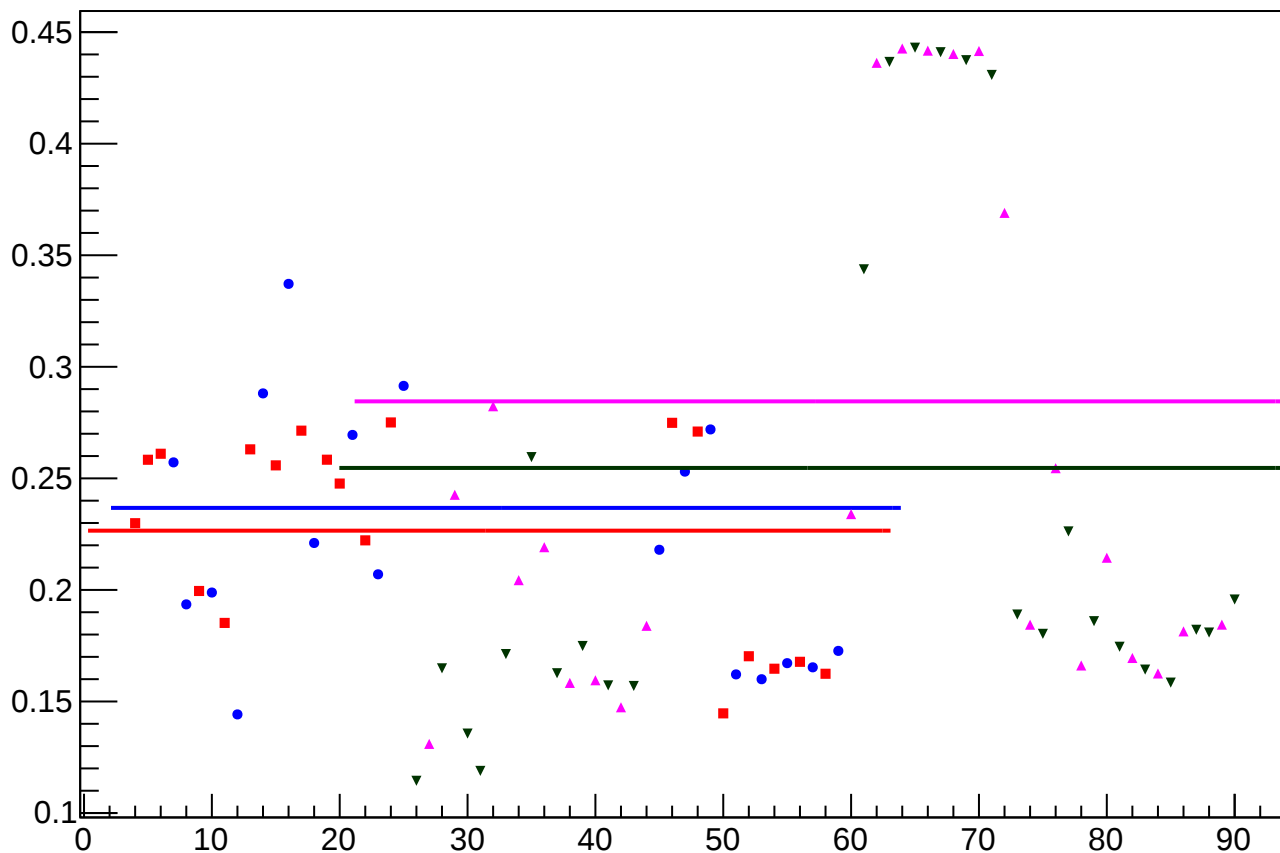
Right Out: 0.013+/-0.000 χ^2/NDF : 798846.8/18

Left In: 0.014+/-0.000 χ^2/NDF : 57995.4/23

0.013+/-0.000 χ^2/NDF : 1128792.4/43

0.013+/-0.000 χ^2/NDF : 864282.9/42

yield_bpm0l09Y_mean vs slug



Right In: 0.237 $\pm$ 0.000 χ^2/NDF : 2411617824.9/17

Left Out: 0.255 $\pm$ 0.000 χ^2/NDF : 16908670138.4/25

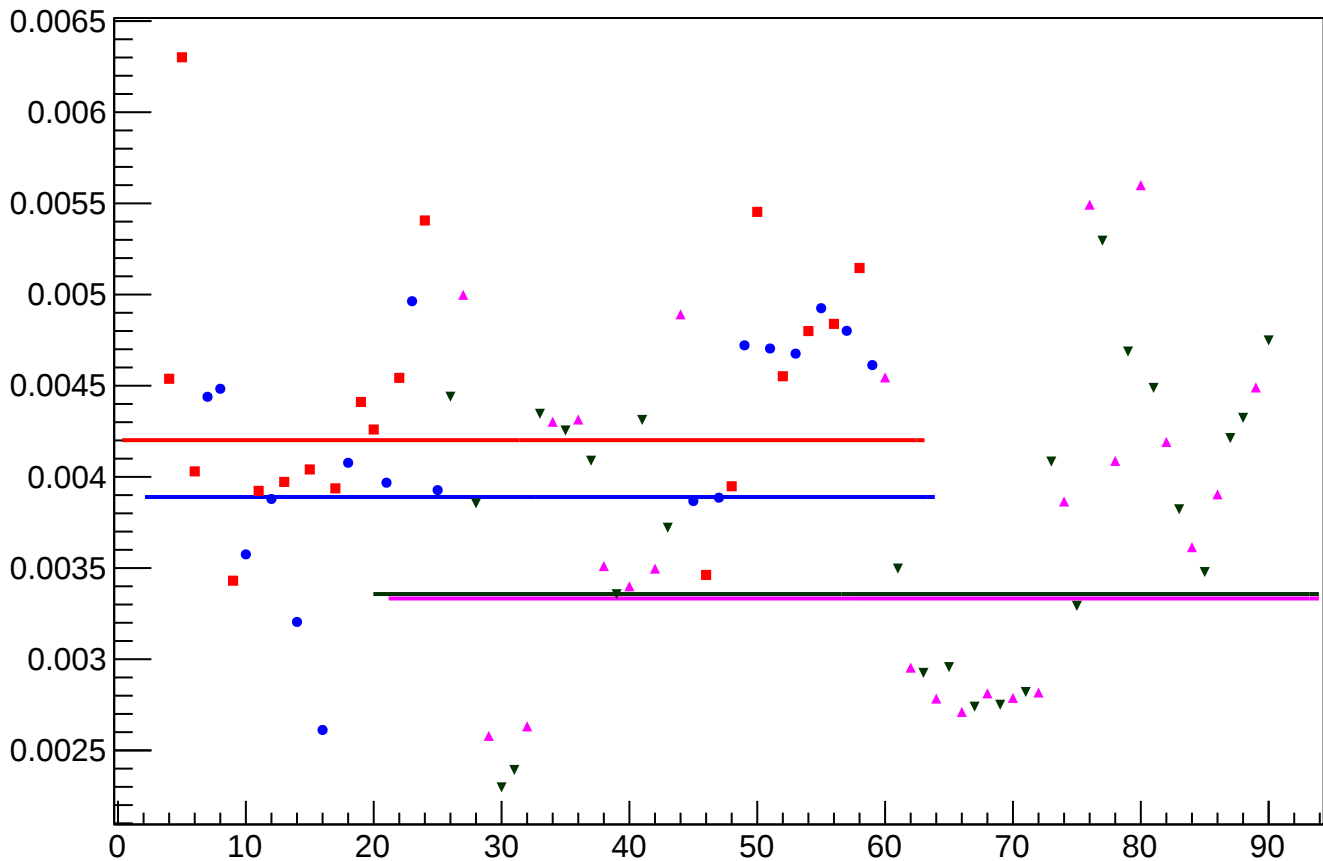
Right Out: 0.227 $\pm$ 0.000 χ^2/NDF : 943883207.4/18

Left In: 0.285 $\pm$ 0.000 χ^2/NDF : 13872305697.7/23

0.247 $\pm$ 0.000 χ^2/NDF : 19450436874.9/43

0.266 $\pm$ 0.000 χ^2/NDF : 15970336611.4/42

yield_bpm0l09Y_rms vs slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 695729.3/17

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:1189026.6/25

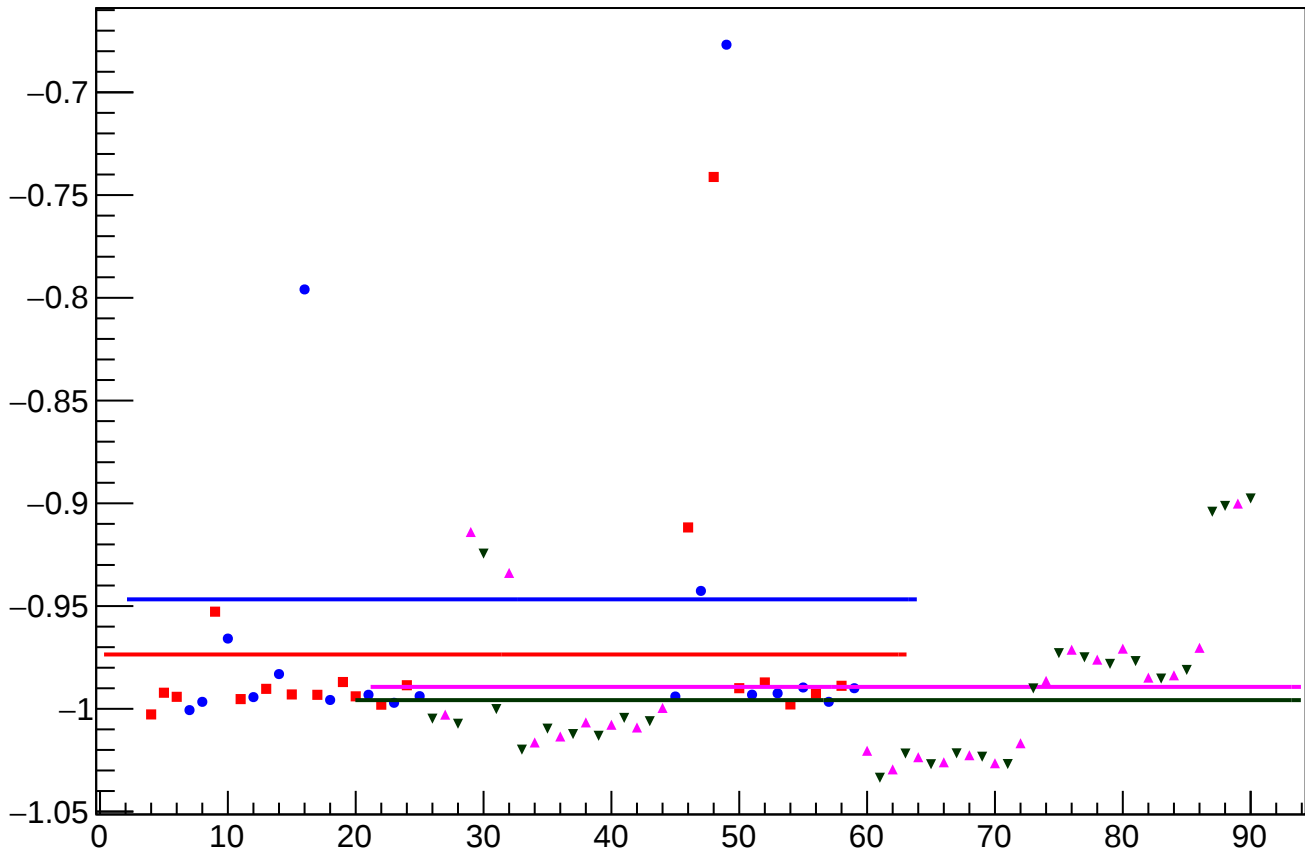
Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 341340.8/18

Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:1394998.2/23

0.004 $\pm$ 0.000 χ^2 /NDF: 2114694.0/43

0.004 $\pm$ 0.000 χ^2 /NDF: 2254571.3/42

yield_bpm0l10X_mean vs slug



Right In: -0.947+/-0.000 χ^2/NDF : 662253046.3/17

Left Out: -0.996+/-0.000 χ^2/NDF : 71711132.3/25

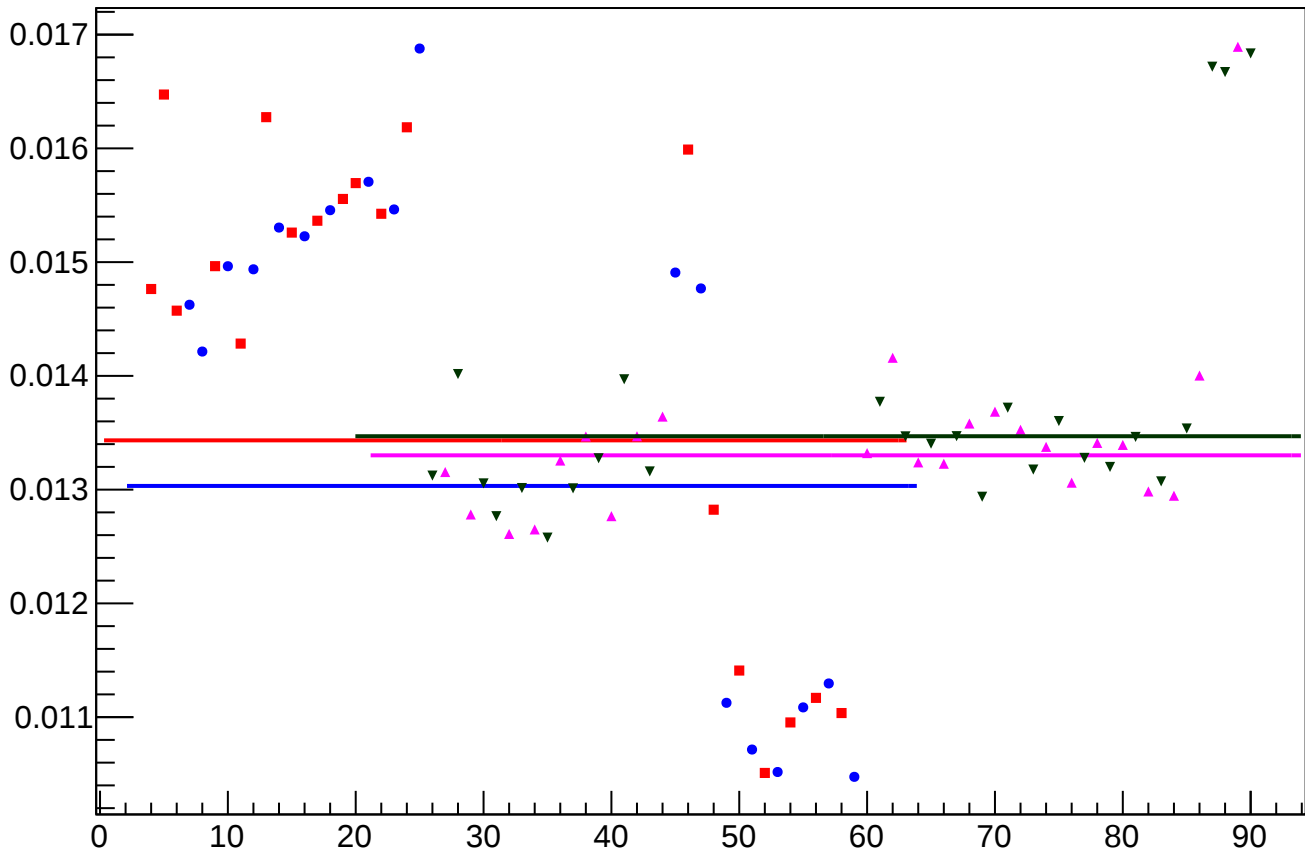
-0.973+/-0.000 χ^2/NDF : 813438332.3/43

Right Out: -0.974+/-0.000 χ^2/NDF : 174691792.1/18

-0.983+/-0.000 χ^2/NDF : 274644929.1/42

Left In: -0.989+/-0.000 χ^2/NDF : 92407724.7/23

yield_bpm0l10X_rms vs slug



Right In: 0.013+/-0.000 χ^2/NDF : 587832.0/17

Left Out: 0.013+/-0.000 χ^2/NDF : 90915.6/25

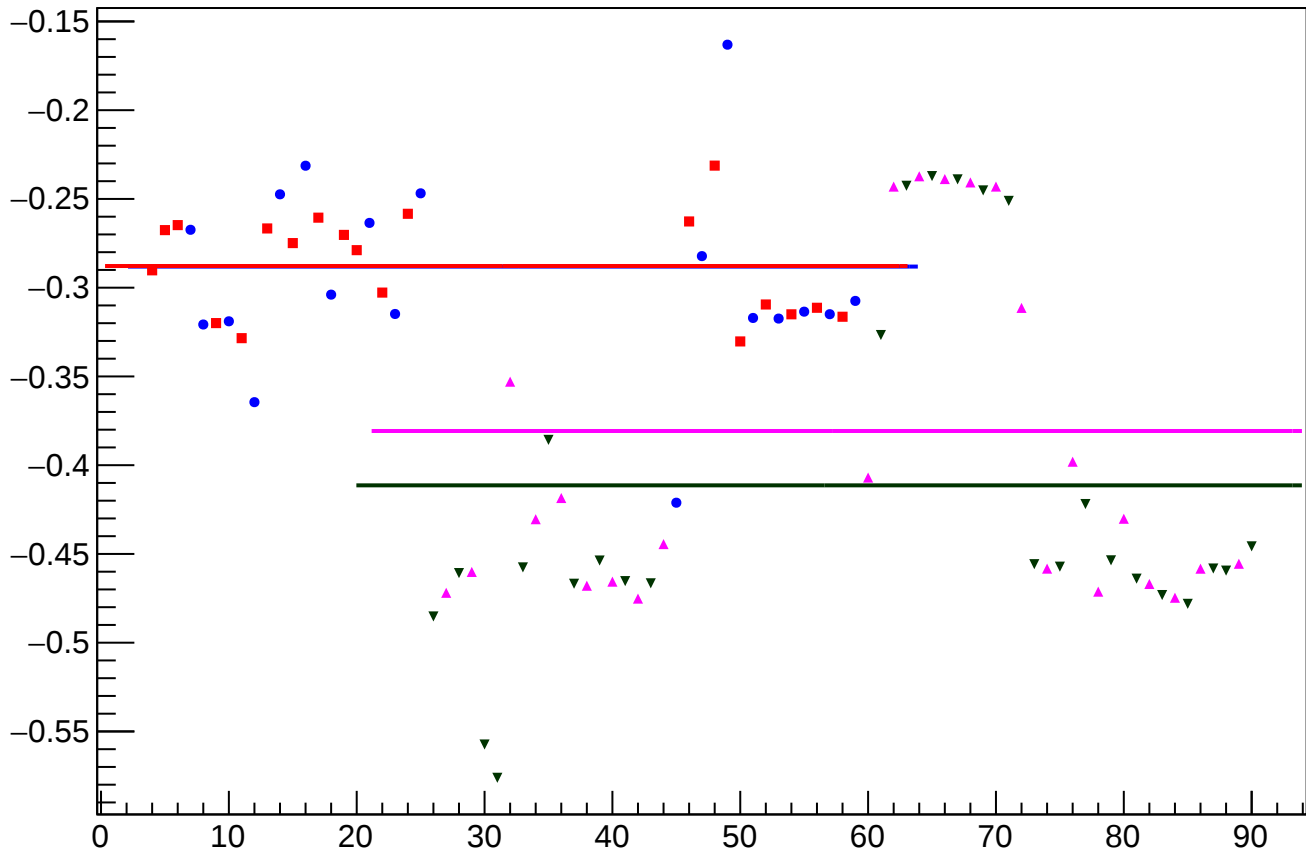
Right Out: 0.013+/-0.000 χ^2/NDF : 479245.1/18

Left In: 0.013+/-0.000 χ^2/NDF : 60939.1/23

0.013+/-0.000 χ^2/NDF : 691364.5/43

0.013+/-0.000 χ^2/NDF : 541235.4/42

yield_bpm0l10Y_mean vs slug



Right In: -0.288+/-0.000 χ^2/NDF : 2601289511.6/17

Left Out: -0.411+/-0.000 χ^2/NDF : 14387848876.4/25

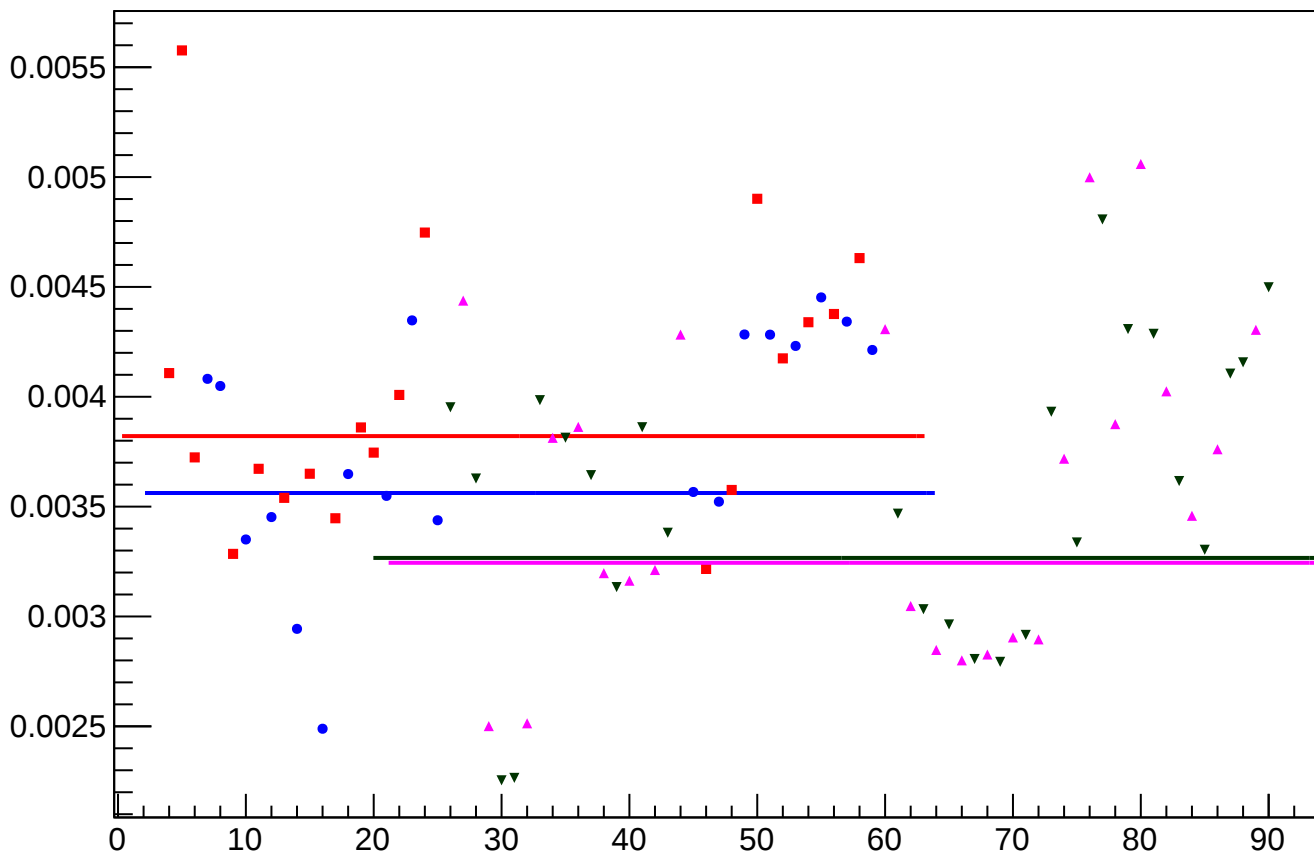
-0.359+/-0.000 χ^2/NDF : 24102336060.6/43

Right Out: -0.288+/-0.000 χ^2/NDF : 515794849.9/18

-0.348+/-0.000 χ^2/NDF : 14267454473.9/42

Left In: -0.381+/-0.000 χ^2/NDF : 10263501036.8/23

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: 915184.8/25

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 282191.6/18

Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 1061790.0/23

0.003 $\pm$ 0.000 χ^2 /NDF: 1585707.8/43

0.003 $\pm$ 0.000 χ^2 /NDF: 1612578.8/42