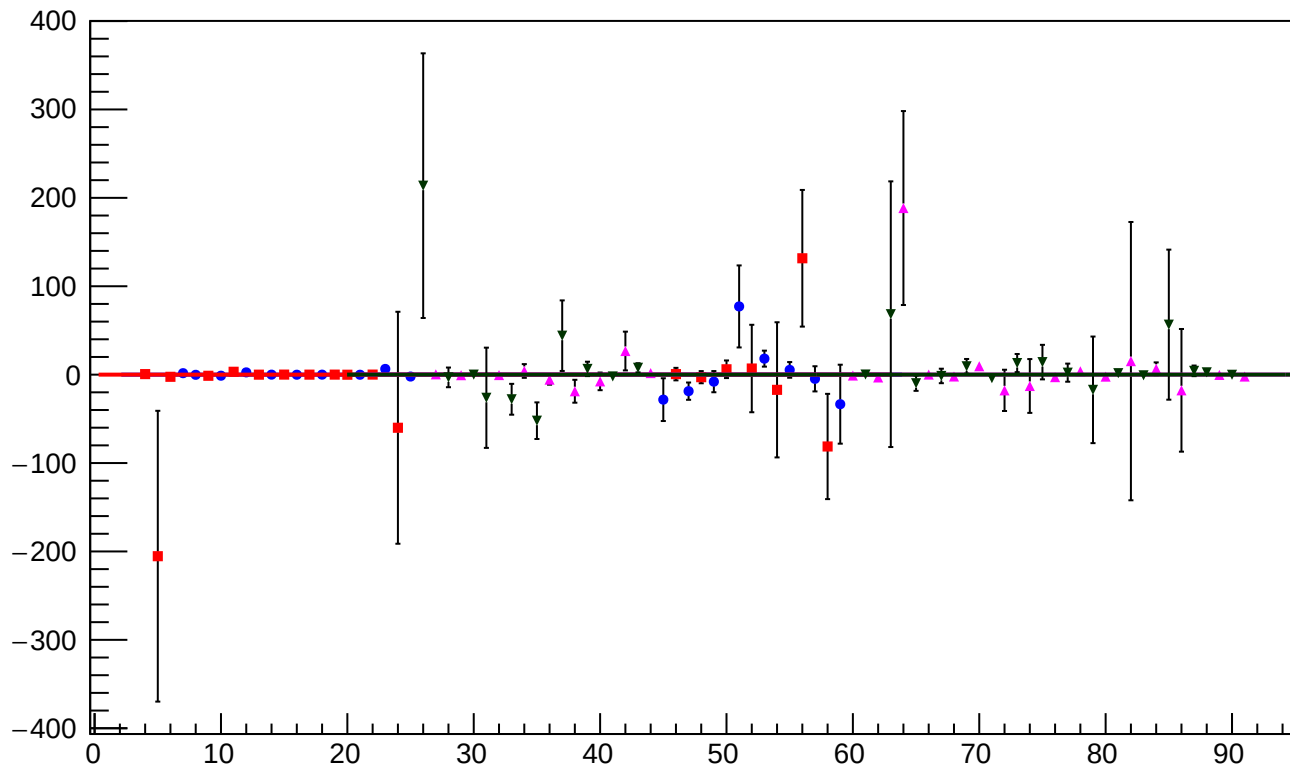


diff_cav4bX_mean vs slug



Right In: -0.014 ± 0.014

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

Left Out: 0.042 ± 0.850

$\chi^2/\text{NDF}: 25.1/25$

Right Out: 0.017 ± 0.016

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

Left In: 0.058 ± 0.073

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

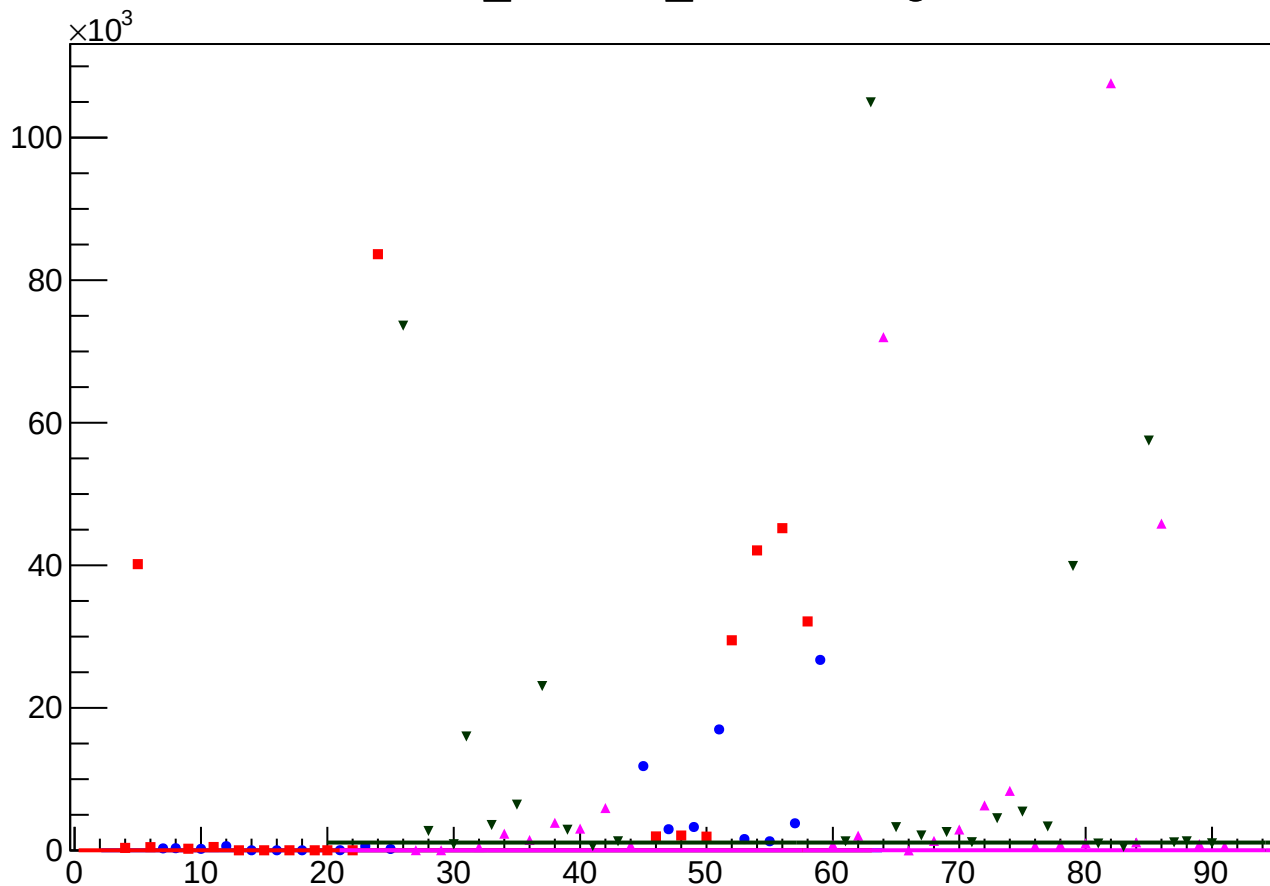
-0.014 ± 0.014

$\chi^2/\text{NDF}: 56.3/43$

0.019 ± 0.016

$\chi^2/\text{NDF}: 60.8/43$

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

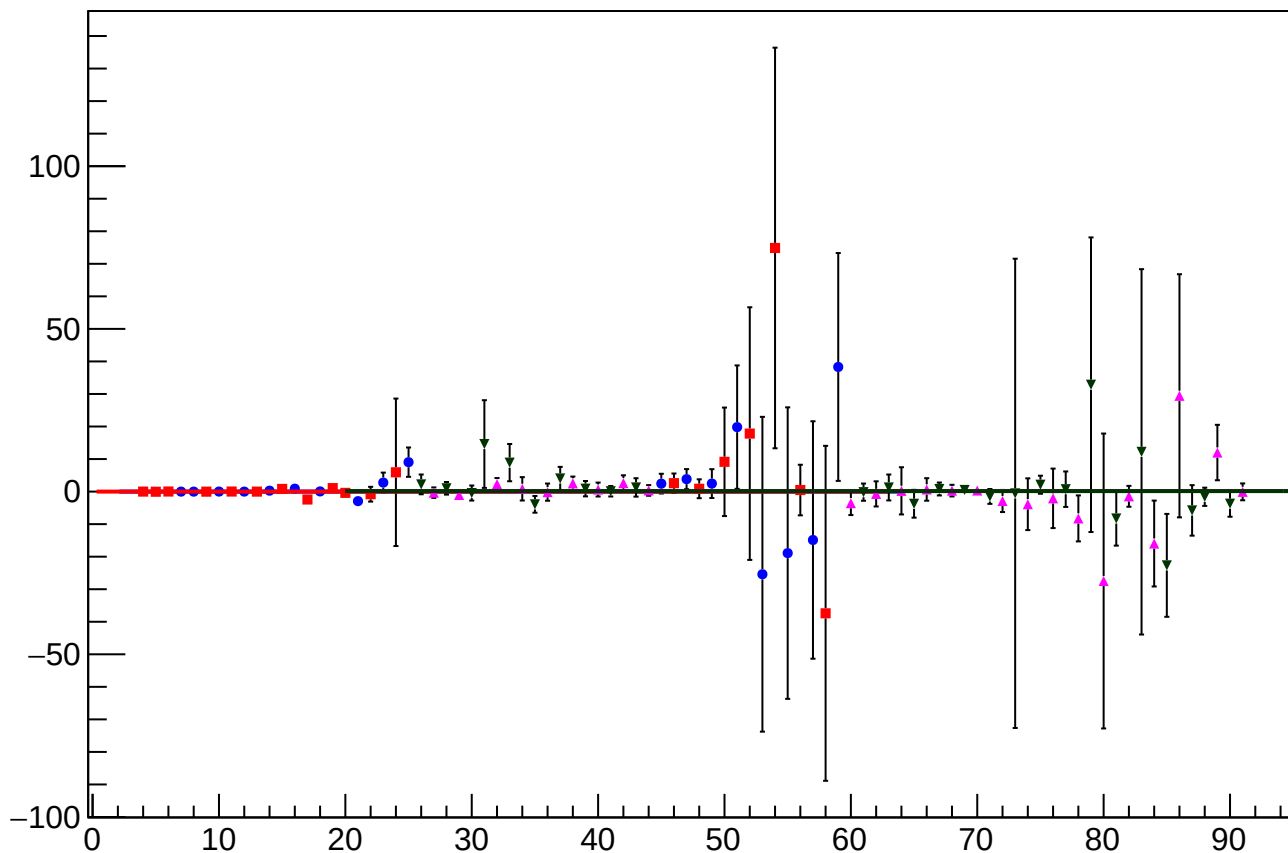
Right Out: 22.611 $\pm$ 0.011 χ^2/NDF : 4395534.2/18

Left In: 30.414 $\pm$ 0.051 χ^2/NDF : 8277760.4/24

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

22.979 $\pm$ 0.011 χ^2/NDF : 12695322.9/43

diff_cav4bY_mean vs slug



Right In: -0.001 $\pm$ 0.006 χ^2 /NDF: 23.6/17

Left Out: 0.151 $\pm$ 0.567 χ^2 /NDF: 15.9/25

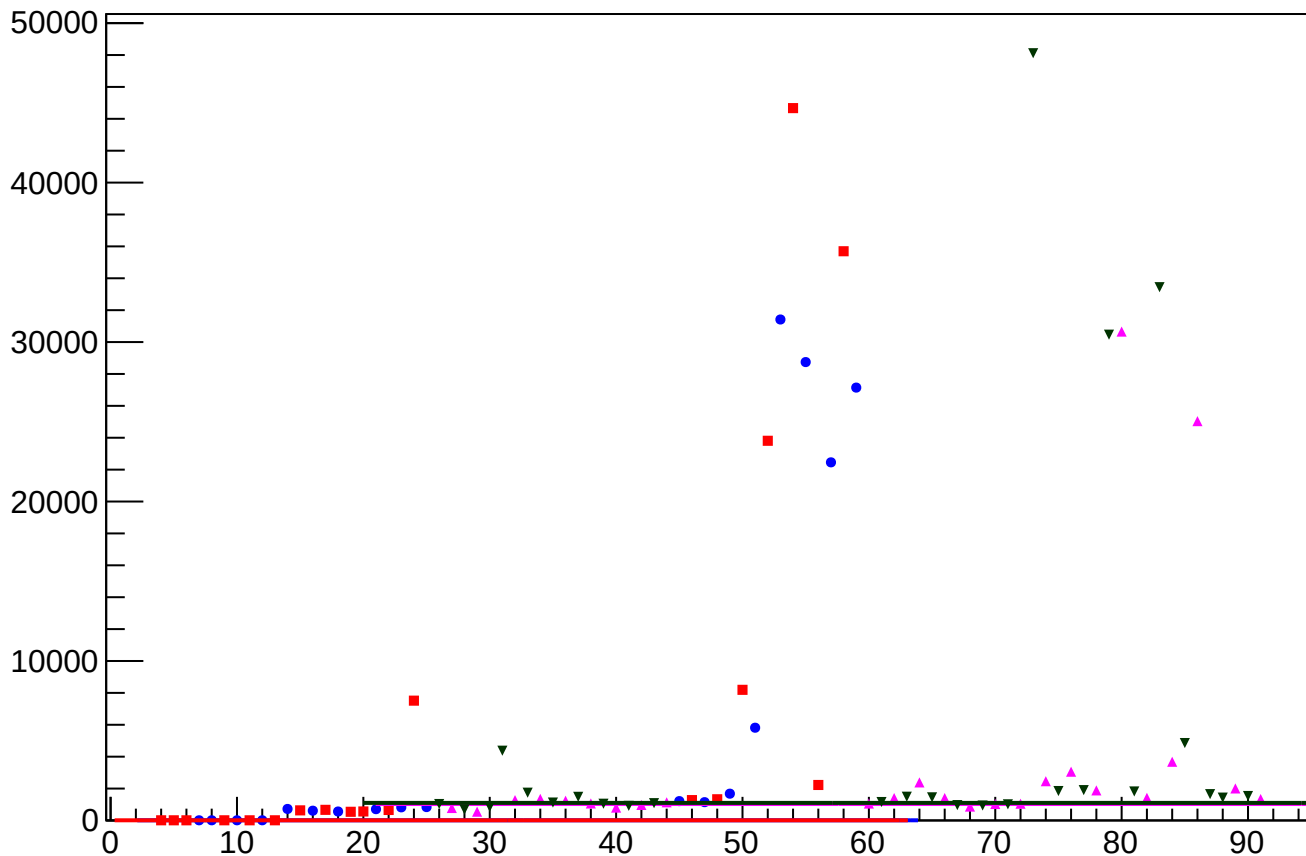
Right Out: 0.002 $\pm$ 0.005 χ^2 /NDF: 20.3/18

Left In: 0.190 $\pm$ 0.507 χ^2 /NDF: 13.0/24

-0.001 $\pm$ 0.006 χ^2 /NDF: 39.5/43

0.002 $\pm$ 0.005 χ^2 /NDF: 33.4/43

diff_cav4bY_rms vs slug



Right In: 10.507 $\pm$ 0.005 χ^2 /NDF: 8959205.7/17

Left Out: 1101.888 $\pm$ 0.401 χ^2 /NDF: 3114926.5/25

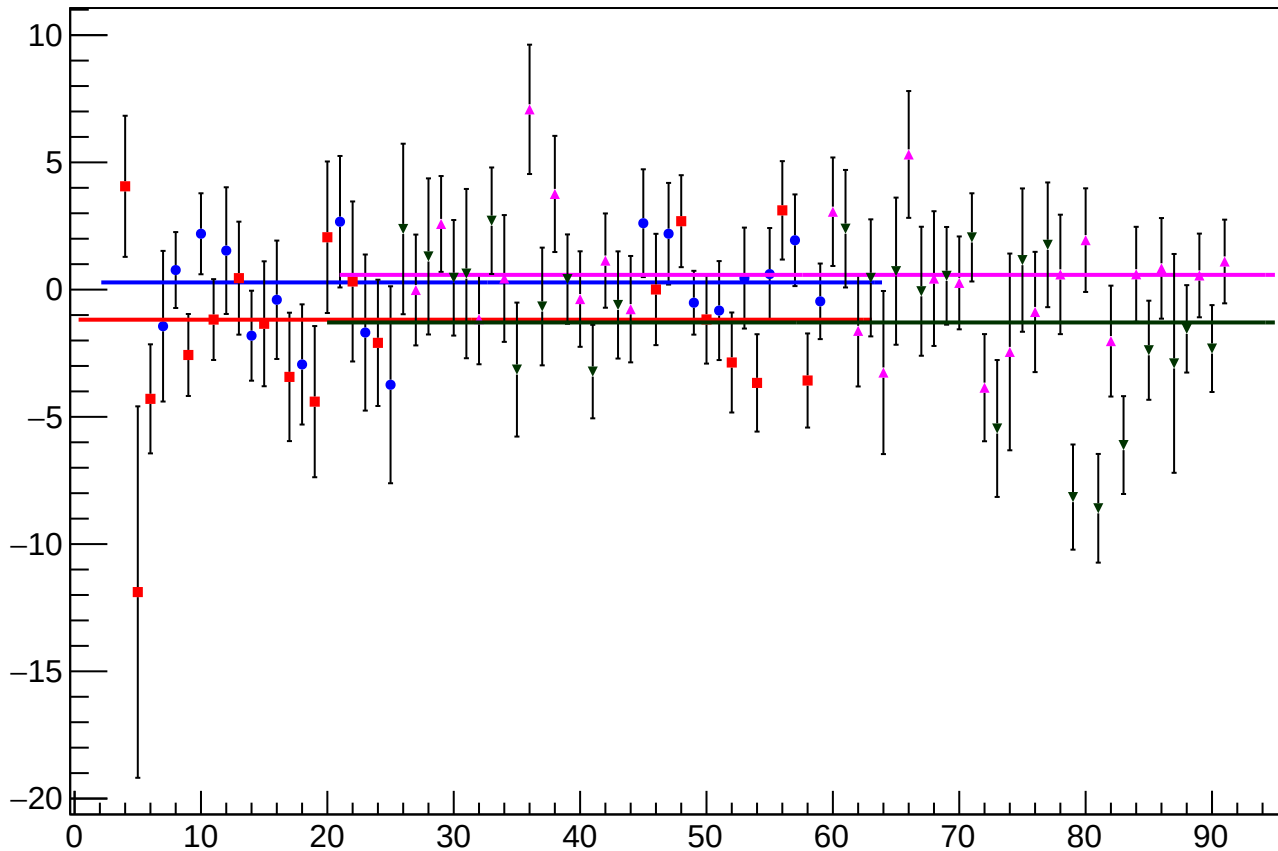
Right Out: 10.086 $\pm$ 0.004 χ^2 /NDF: 6750125.6/18

Left In: 1030.528 $\pm$ 0.359 χ^2 /NDF: 2566509.0/24

10.650 $\pm$ 0.005 χ^2 /NDF: 19470227.8/43

10.204 $\pm$ 0.004 χ^2 /NDF: 17409679.5/43

diff_cav4cX_mean vs slug



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

Left Out: -1.291 ± 0.435 $\chi^2/\text{NDF}: 52.2/25$

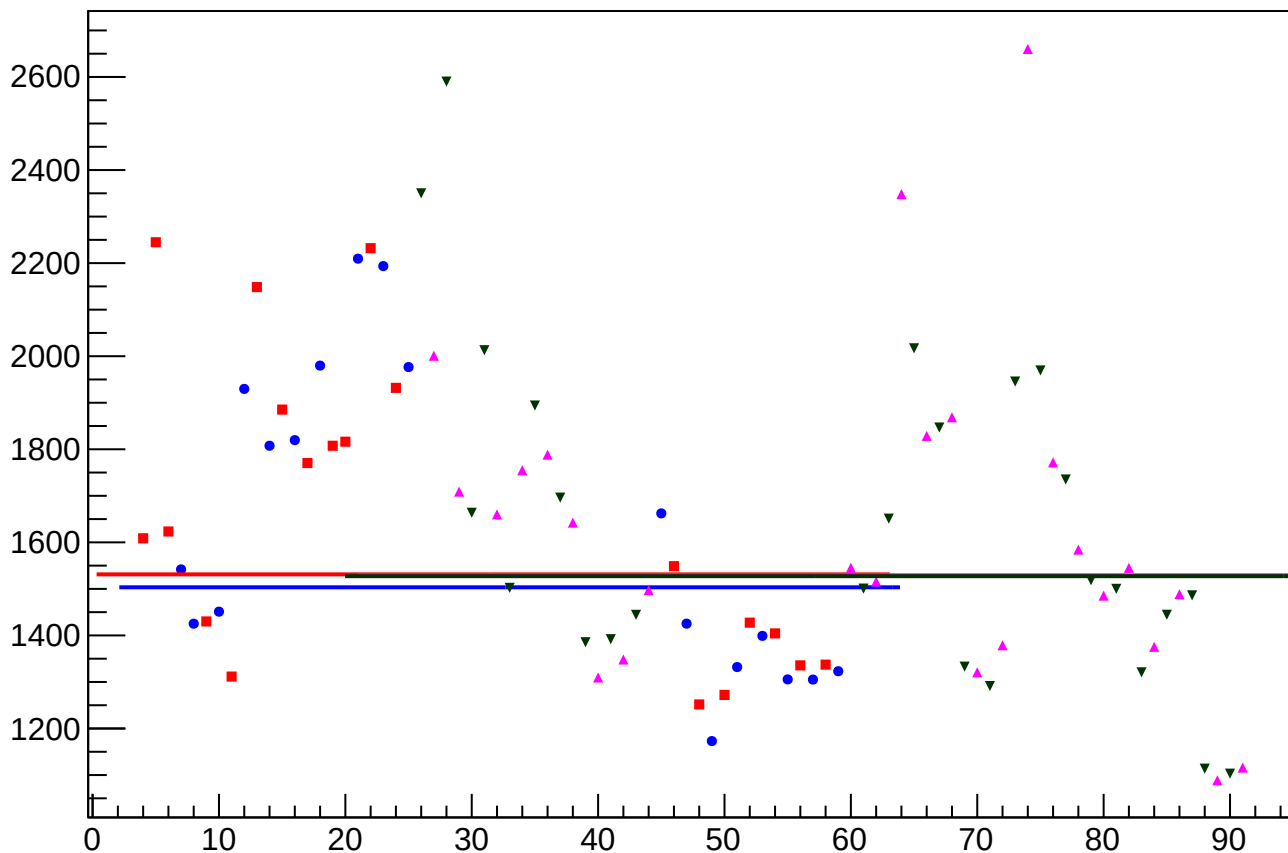
Right Out: -1.182 ± 0.494 $\chi^2/\text{NDF}: 26.5/18$

Left In: 0.579 ± 0.421 $\chi^2/\text{NDF}: 26.3/24$

-0.541 ± 0.314 $\chi^2/\text{NDF}: 70.3/43$

-0.162 ± 0.320 $\chi^2/\text{NDF}: 60.2/43$

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

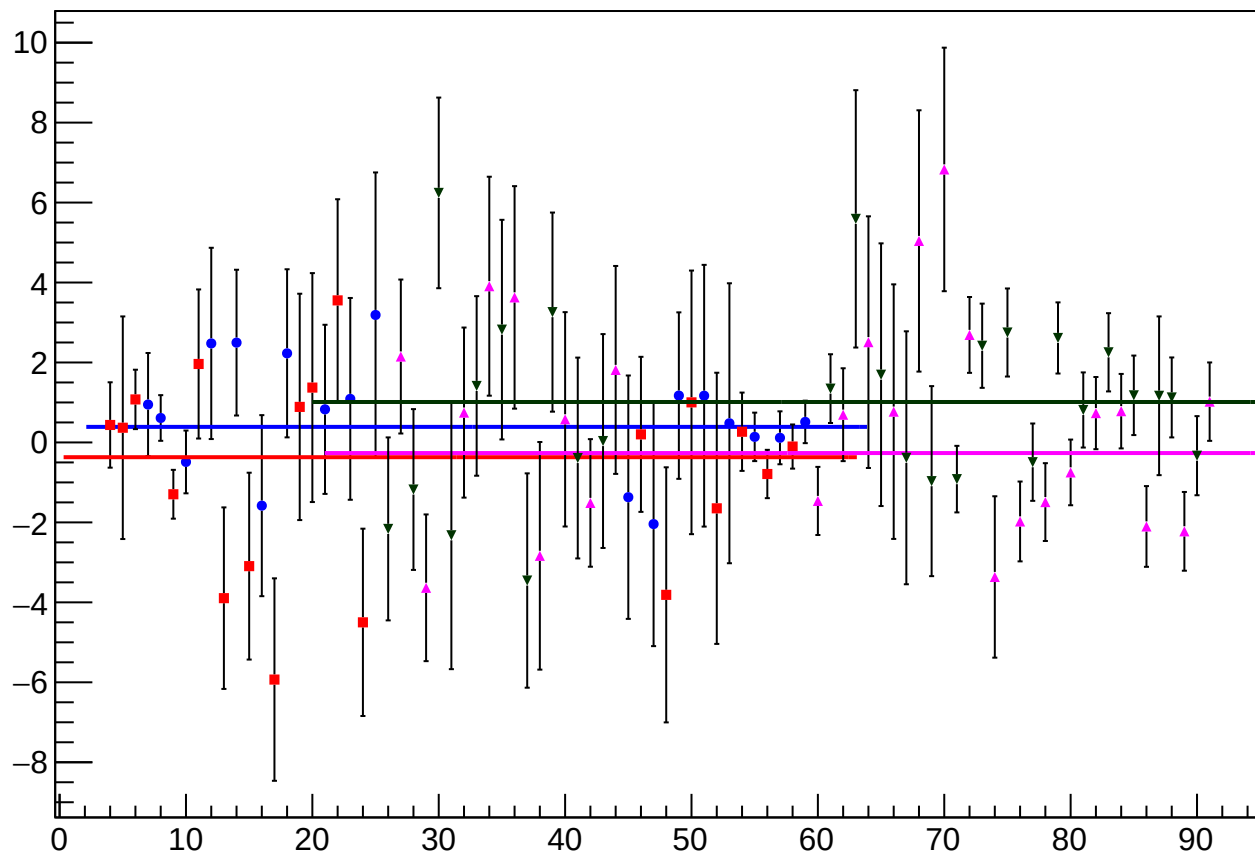
Right Out: 1531.211 $\pm$ 0.349 χ^2 /NDF: 621310.9/18

Left In: 1529.271 $\pm$ 0.298 χ^2 /NDF:919700.7/24

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

1530.088 $\pm$ 0.227 χ^2 /NDF: 1541029.5/43

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

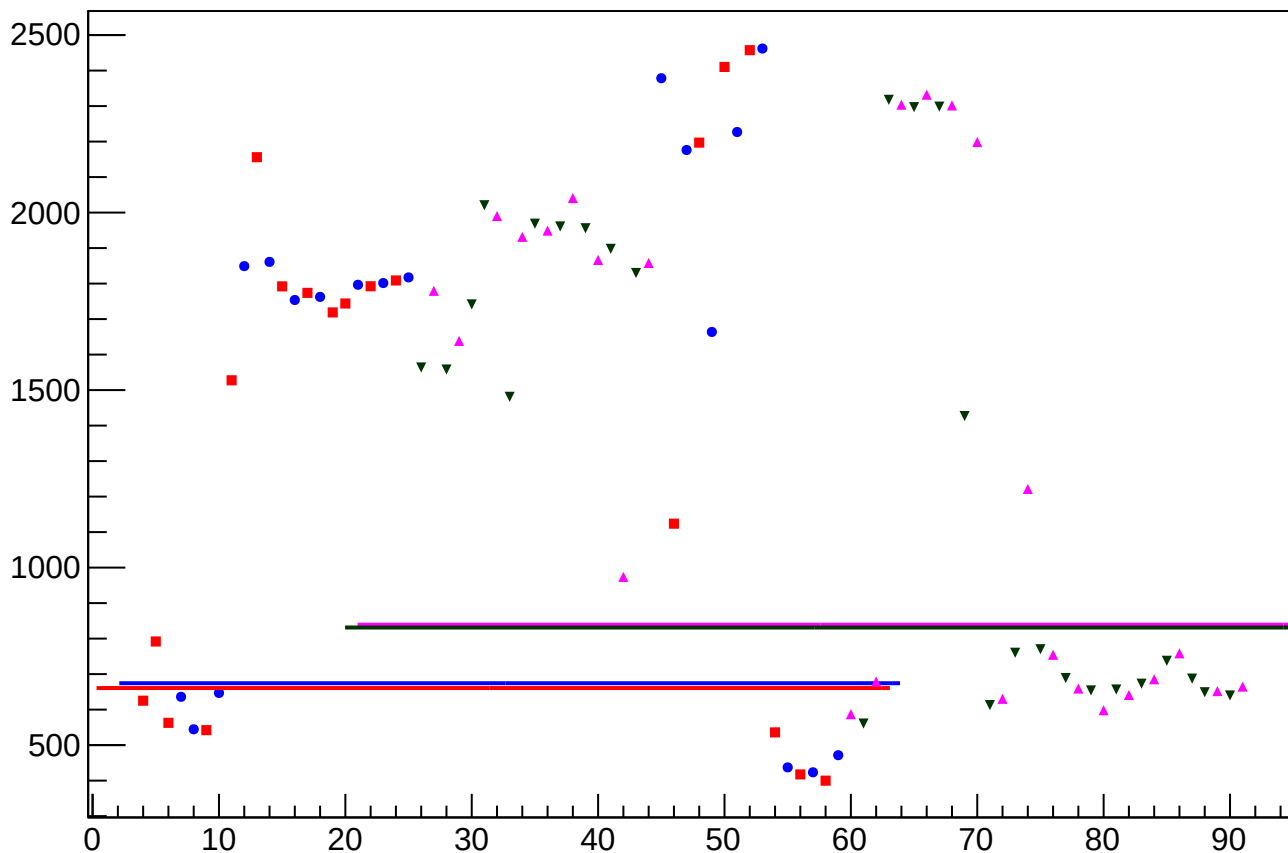
Right Out: -0.369 ± 0.263 χ^2/NDF : 25.7/18

Left In: -0.266 ± 0.261 χ^2/NDF : 51.6/24

0.686 ± 0.182 χ^2/NDF : 45.8/43

-0.317 ± 0.185 χ^2/NDF : 77.4/43

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

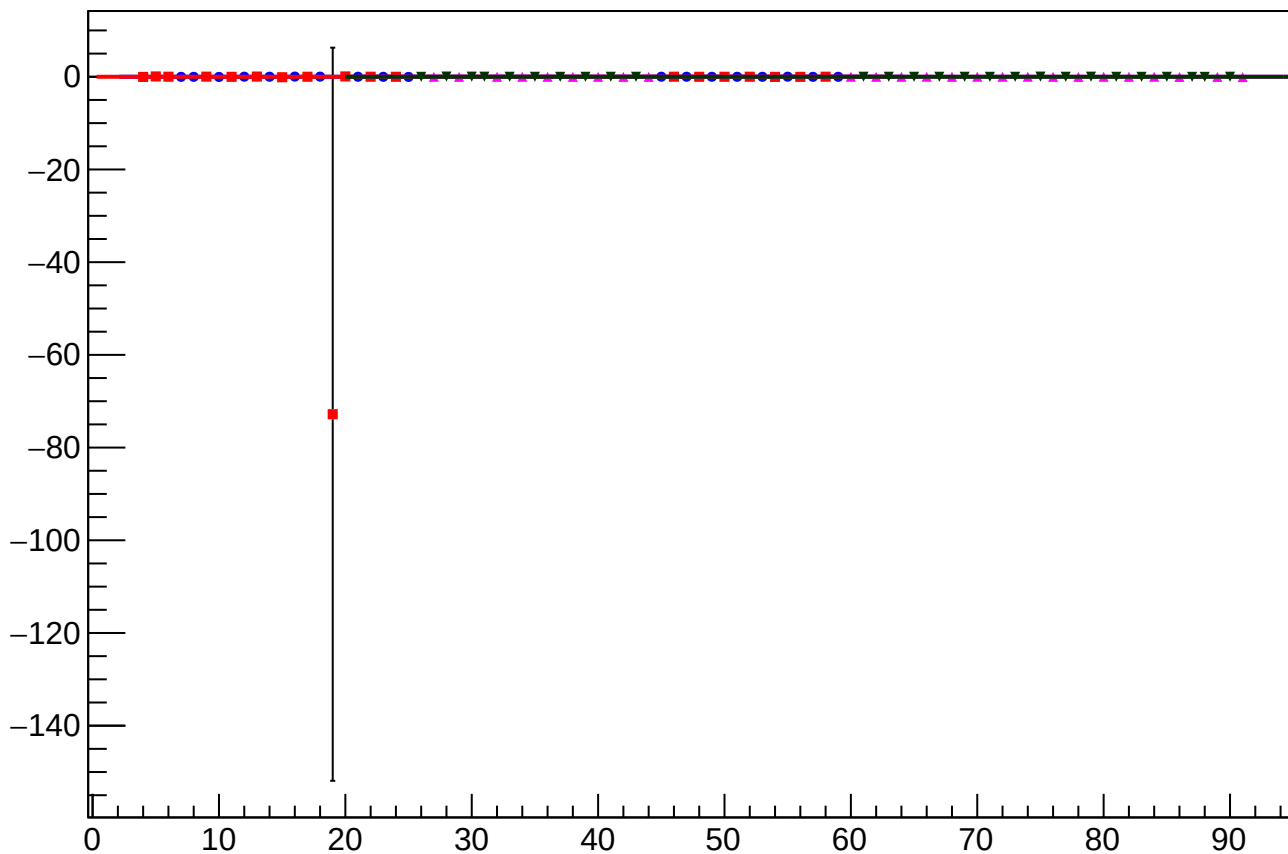
Right Out: 660.761+/-0.186 χ^2/NDF : 6222915.7/18

Left In: 839.101+/-0.184 χ^2/NDF : 5657399.7/24

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

750.529+/-0.131 χ^2/NDF : 12344781.8/43

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

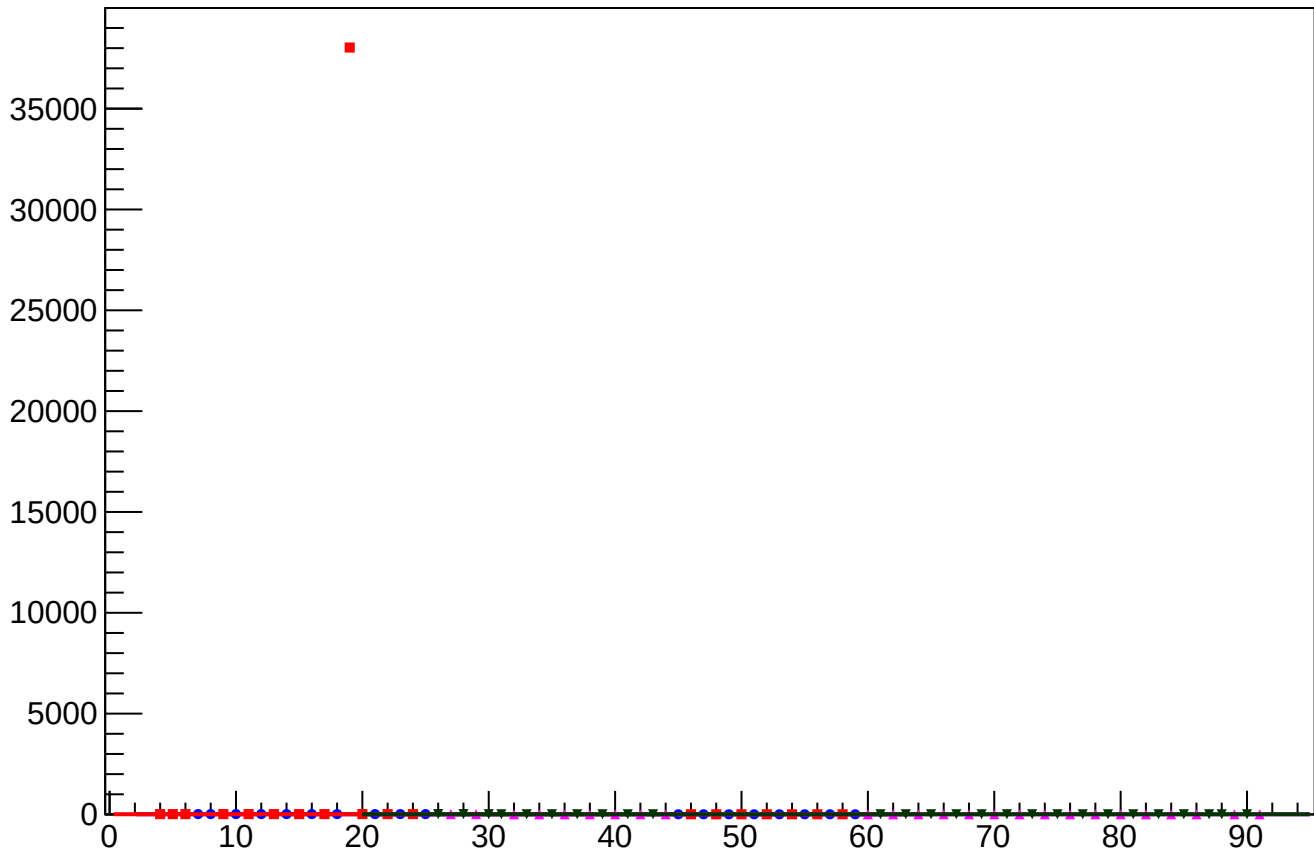
Right Out: 0.002+/-0.004 χ^2/NDF : 20.0/18

Left In: 0.001+/-0.003 χ^2/NDF : 15.3/24

0.001+/-0.002 χ^2/NDF : 32.3/43

0.001+/-0.002 χ^2/NDF : 35.4/43

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

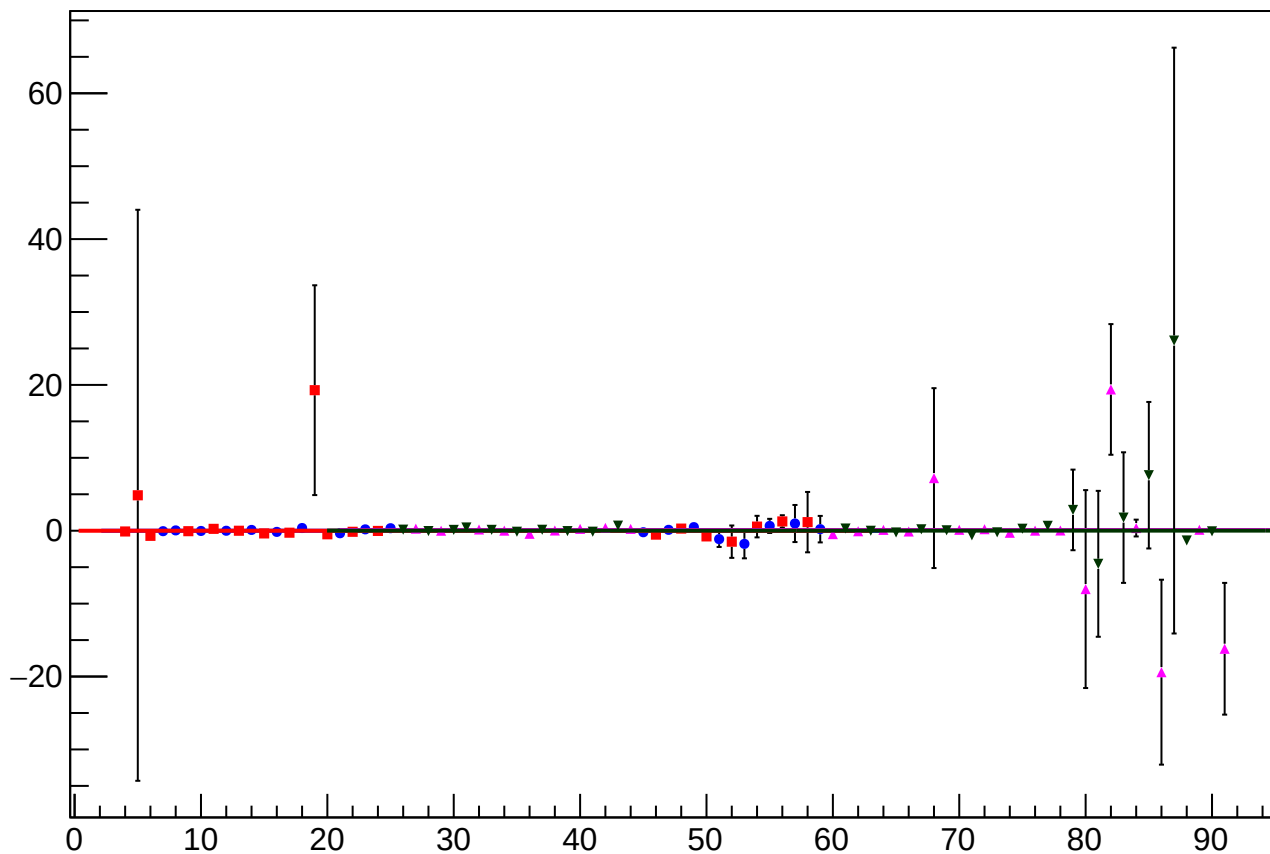
9.495+/-0.002 χ^2/NDF : 2866269.0/43

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

9.554+/-0.002 χ^2/NDF : 3450515.4/43

Left In: 8.919+/-0.002 χ^2/NDF : 796993.1/24

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

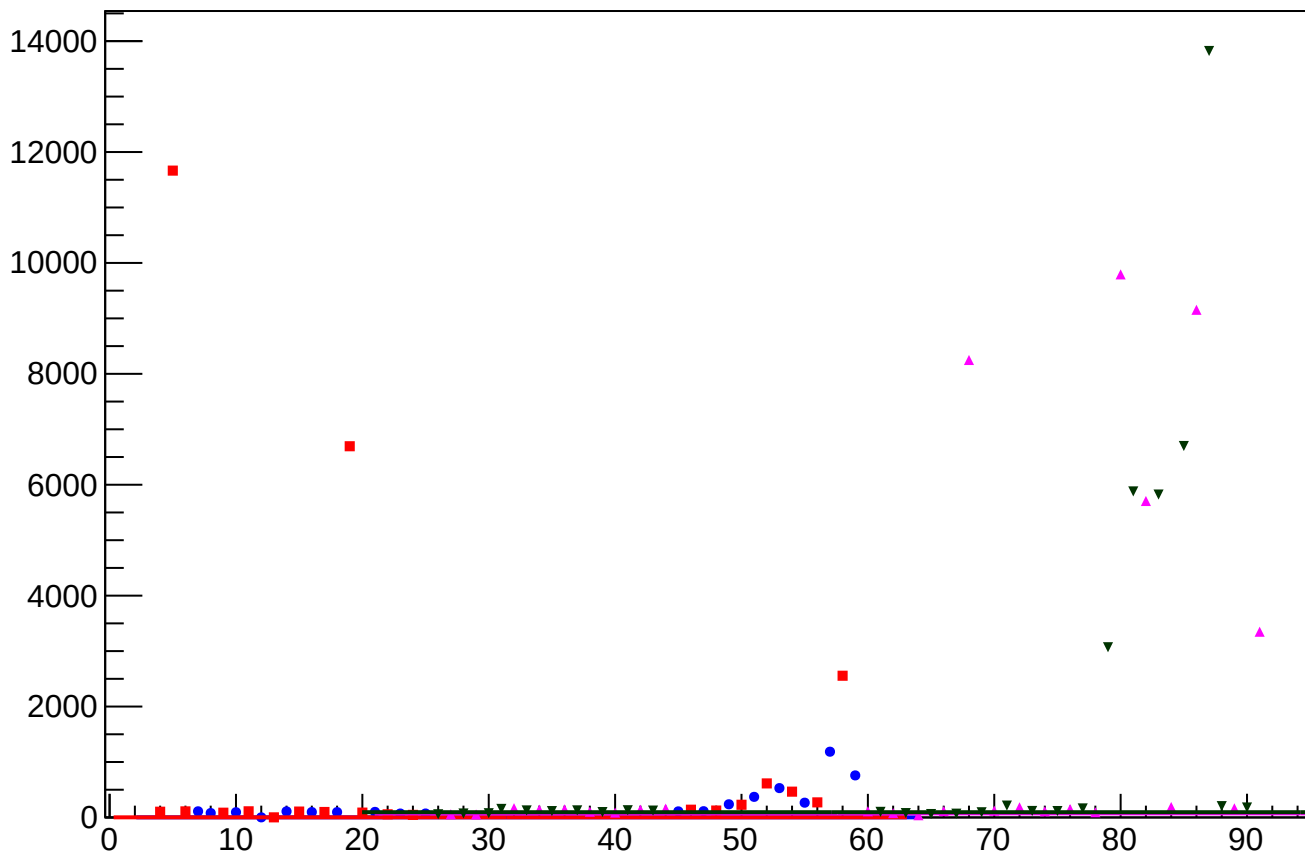
Right Out: -0.003 ± 0.003 χ^2/NDF : 21.1/18

Left In: 0.099 ± 0.037 χ^2/NDF : 25.9/24

-0.003 ± 0.003 χ^2/NDF : 52.7/43

-0.002 ± 0.003 χ^2/NDF : 54.5/43

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

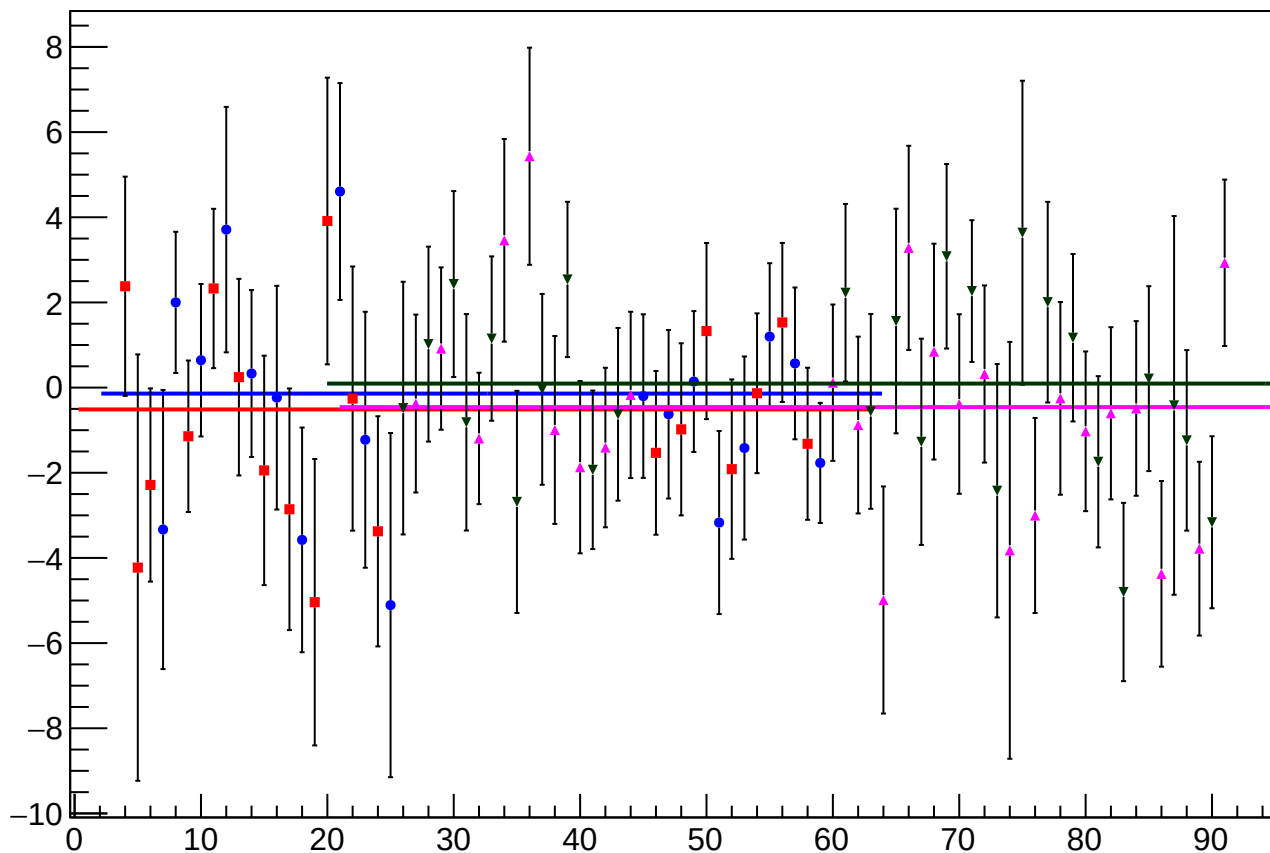
Right Out: 2.101+/-0.002 χ^2/NDF : 6716516.3/18

Left In: 73.180+/-0.026 χ^2/NDF : 6240649.4/24

2.672+/-0.002 χ^2/NDF : 22157386.3/43

2.574+/-0.002 χ^2/NDF : 20320422.0/43

diff_bpm4aX_mean vs slug



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

Left Out: 0.094 ± 0.436 χ^2/NDF : 23.4/25

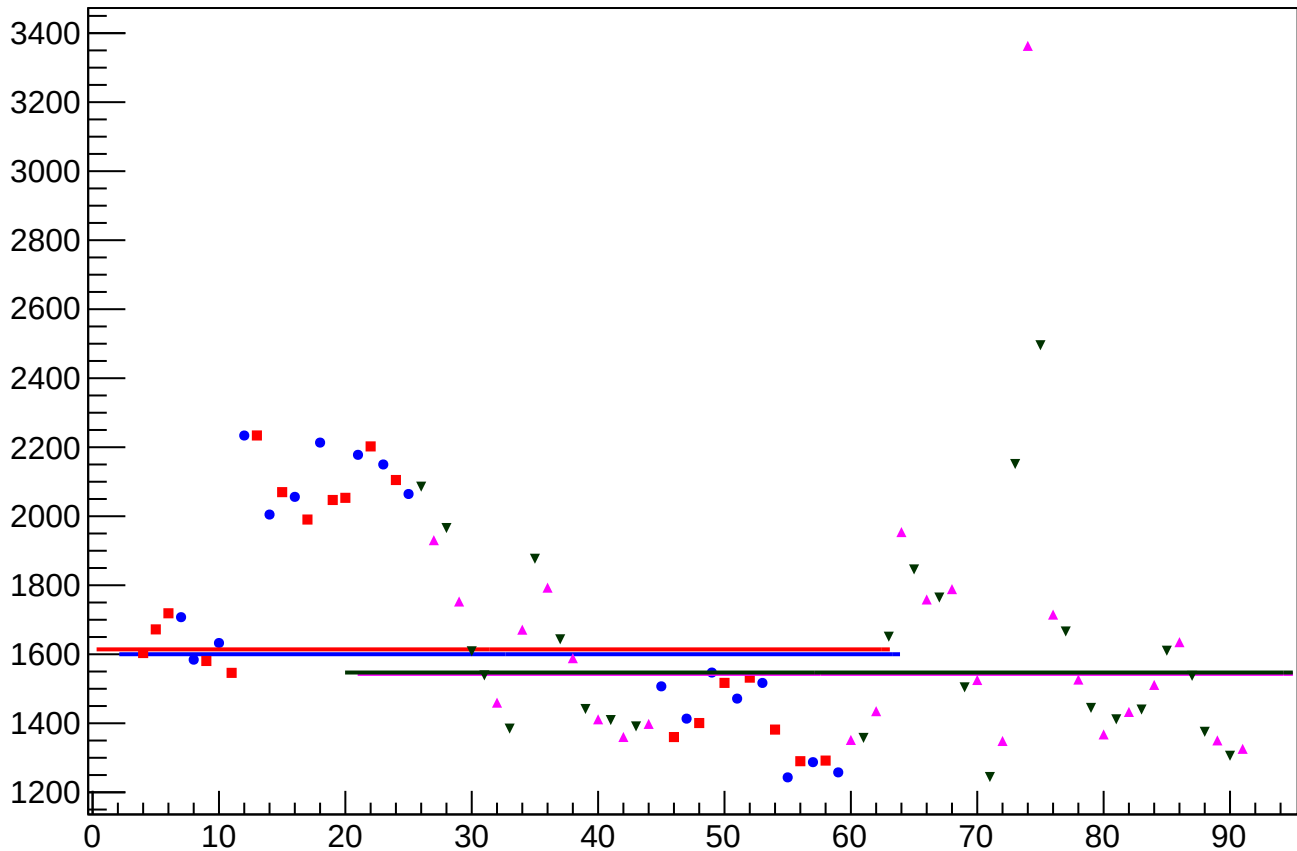
Right Out: -0.513 ± 0.519 χ^2/NDF : 13.6/18

Left In: -0.459 ± 0.422 χ^2/NDF : 26.2/24

-0.011 ± 0.324 χ^2/NDF : 39.5/43

-0.480 ± 0.327 χ^2/NDF : 39.8/43

diff_bpm4aX_rms vs slug



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

Left Out: 1547.094+/-0.308 χ^2/NDF : 635169.5/25

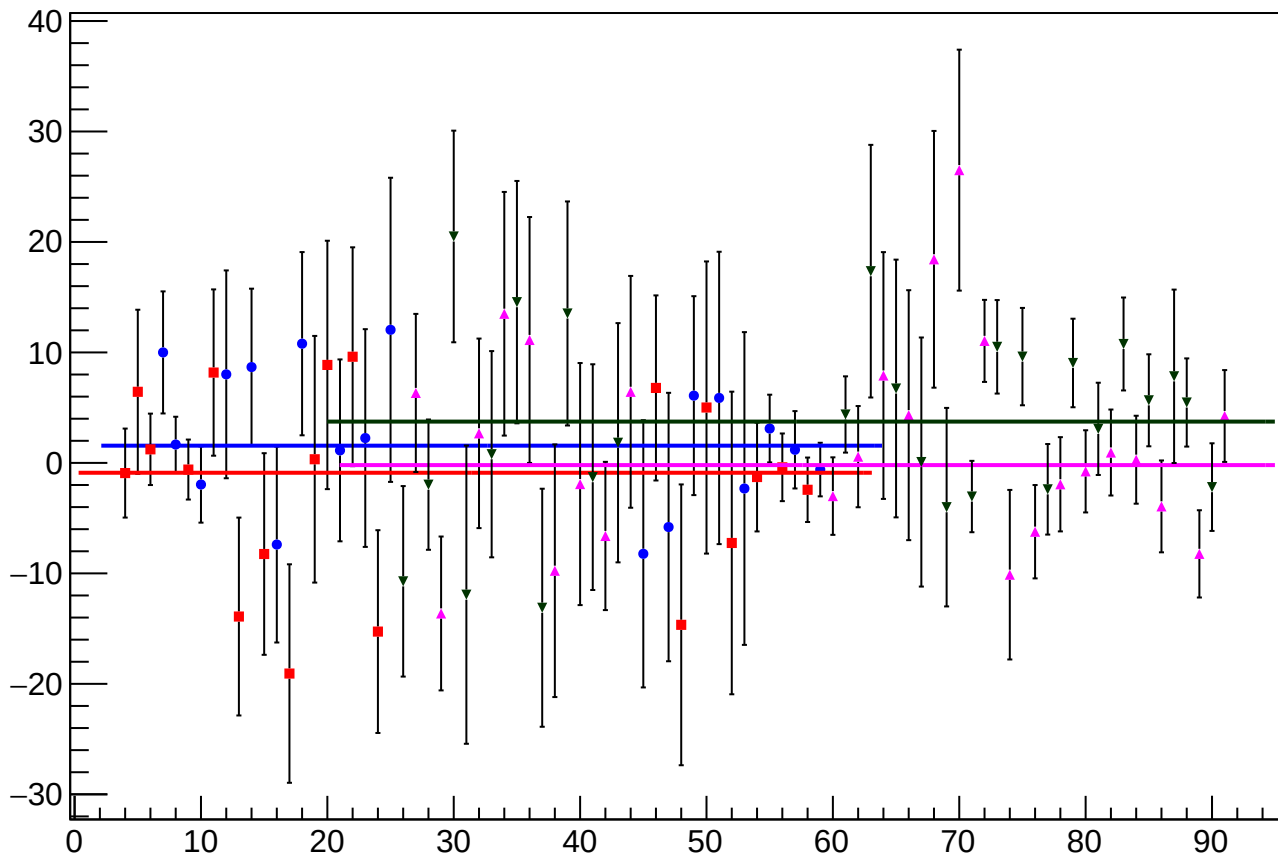
1570.763+/-0.229 χ^2/NDF : 1498129.4/43

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

1571.400+/-0.232 χ^2/NDF : 1341476.9/43

Left In: 1543.106+/-0.298 χ^2/NDF : 648523.4/24

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

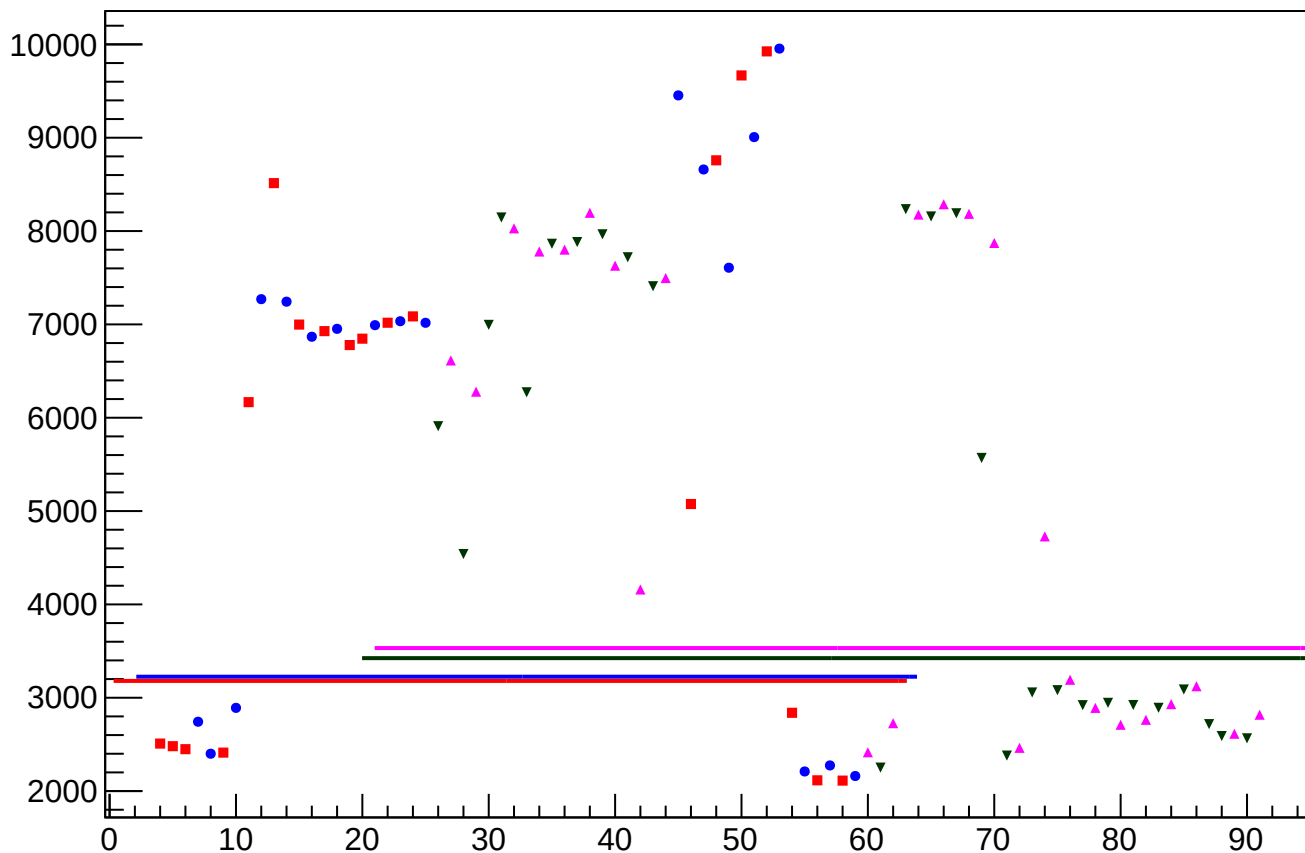
2.726 ± 0.783 χ^2/NDF : 45.9/43

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

-0.510 ± 0.801 χ^2/NDF : 54.7/43

Left In: -0.199 ± 1.079 χ^2/NDF : 38.5/24

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

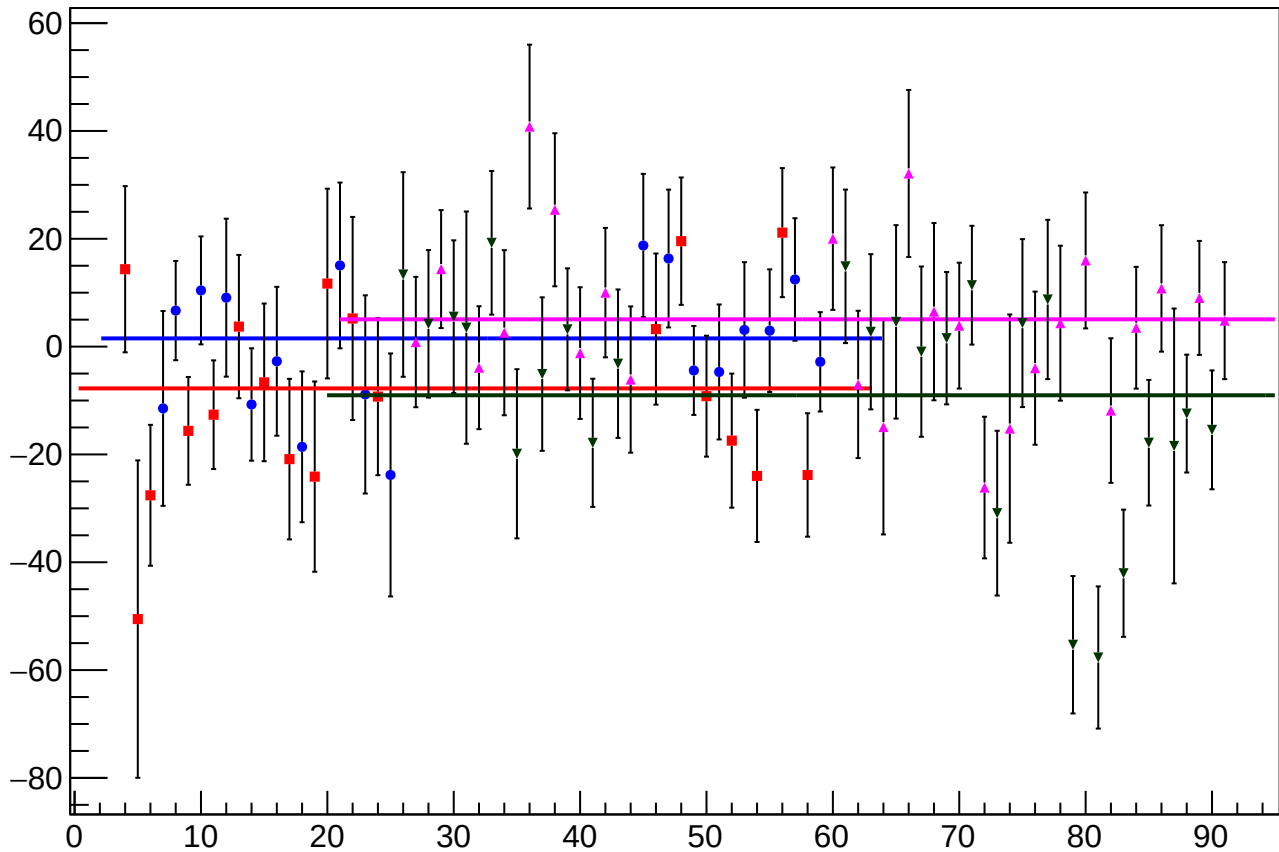
Right Out: 3180.260+/-0.846 χ^2/NDF : 5053490.5/18

Left In: 3532.228+/-0.763 χ^2/NDF :5018929.0/24

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

3374.468+/-0.567 χ^2/NDF : 10167883.2/43

diff_bpm4eX_mean vs slug



Right In: 1.521 ± 2.832 χ^2/NDF : 12.8/17

Left Out: -9.026 ± 2.678 χ^2/NDF : 59.2/25

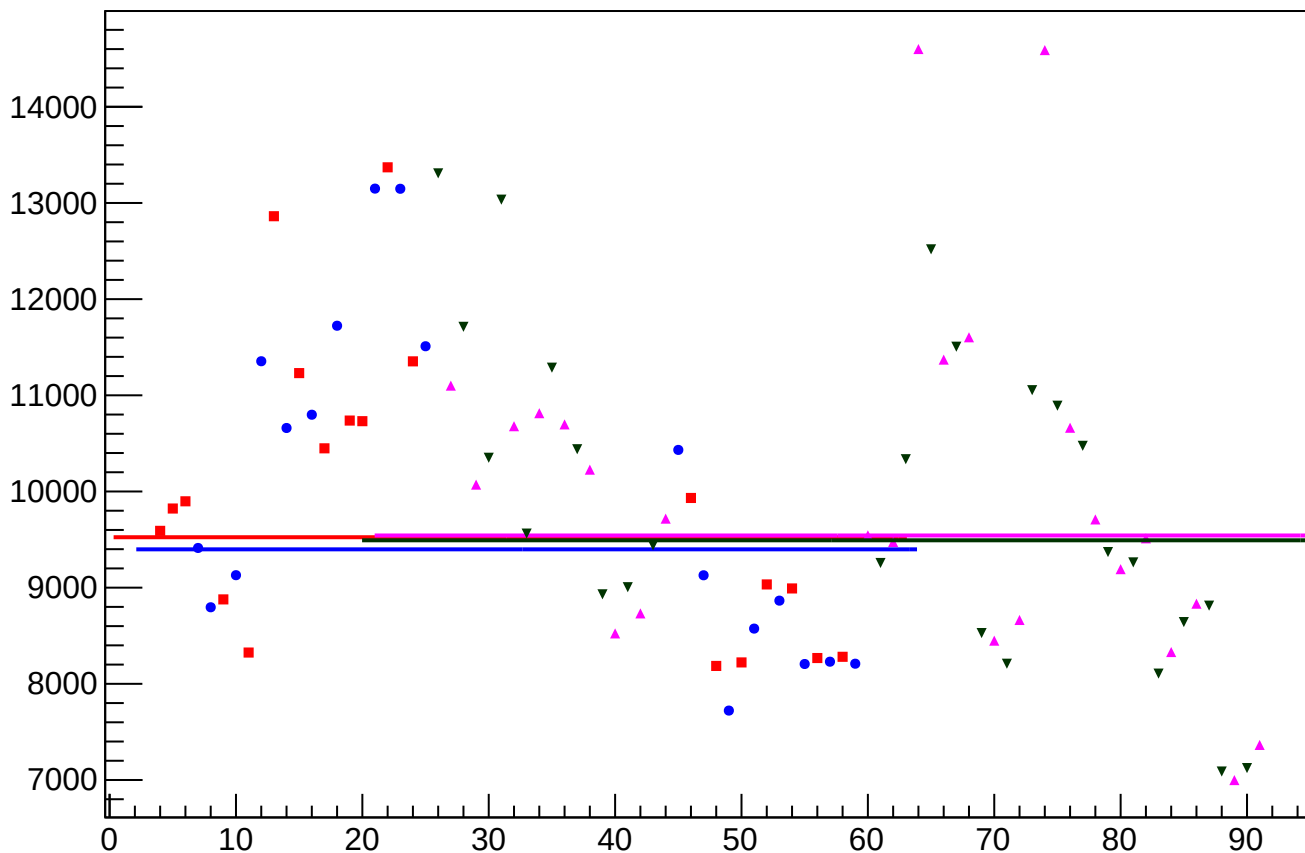
Right Out: -7.752 ± 3.046 χ^2/NDF : 27.5/18

Left In: 5.061 ± 2.612 χ^2/NDF : 26.0/24

-4.047 ± 1.946 χ^2/NDF : 79.3/43

-0.369 ± 1.983 χ^2/NDF : 63.8/43

diff_bpm4eX_rms vs slug



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

Left Out: 9492.428 $\pm$ 1.894 χ^2 /NDF: 650008.4/25

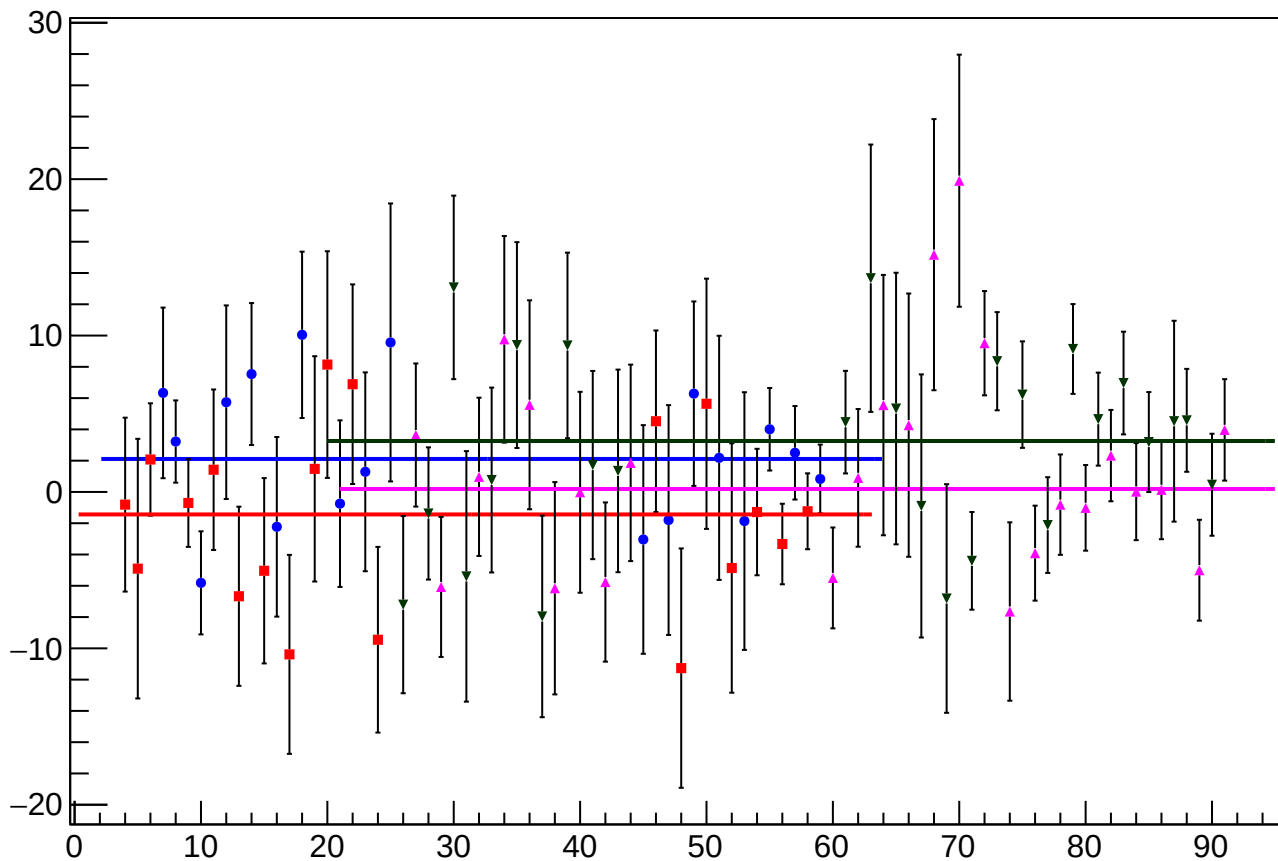
Right Out: 9524.317 $\pm$ 2.154 χ^2 /NDF: 440161.2/18

Left In: 9542.492 $\pm$ 1.847 χ^2 /NDF: 680537.4/24

9448.022 $\pm$ 1.376 χ^2 /NDF: 1206045.0/43

9534.790 $\pm$ 1.402 χ^2 /NDF: 1120739.7/43

diff_bpm4eY_mean vs slug



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

Left Out: 3.257 ± 0.824 χ^2/NDF : 36.8/25

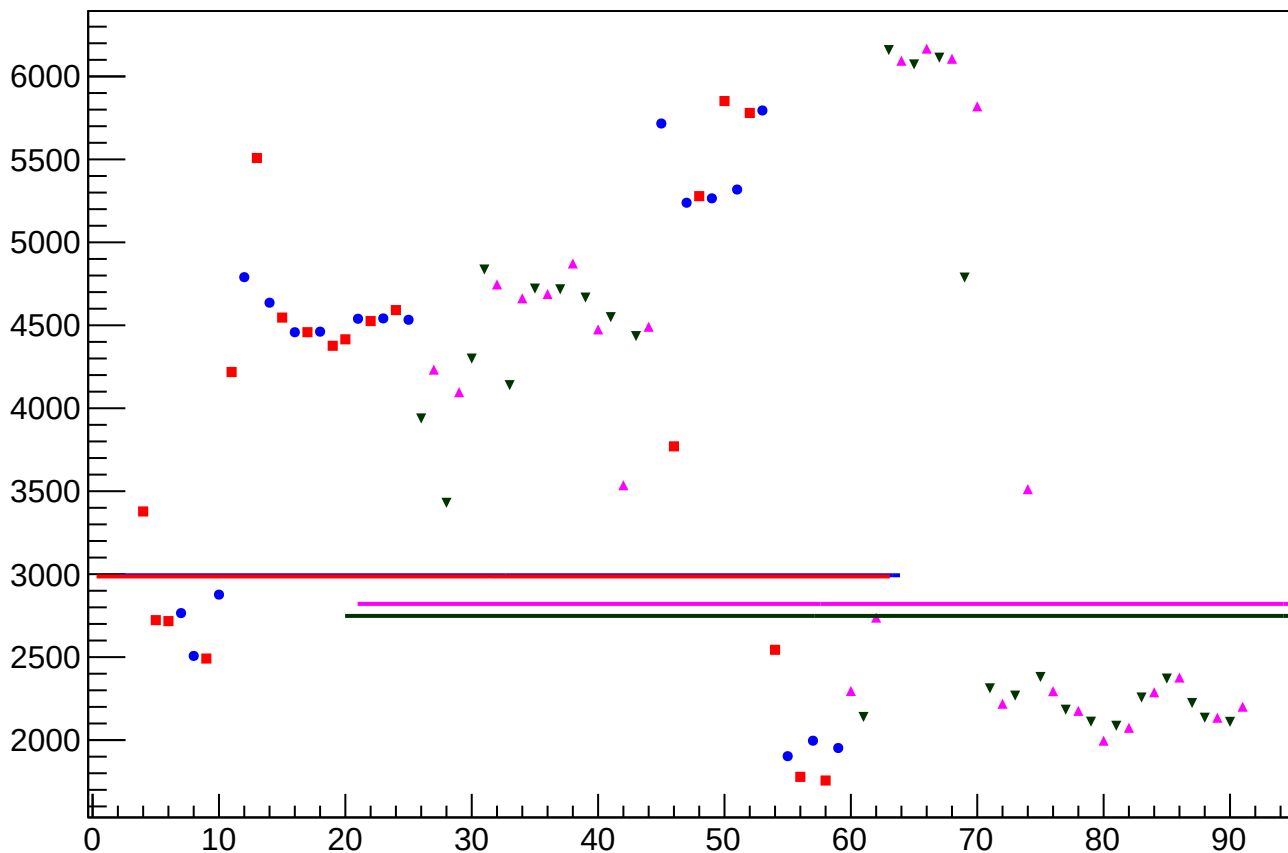
2.782 ± 0.630 χ^2/NDF : 52.2/43

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

-0.438 ± 0.646 χ^2/NDF : 52.5/43

Left In: 0.191 ± 0.825 χ^2/NDF : 36.7/24

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

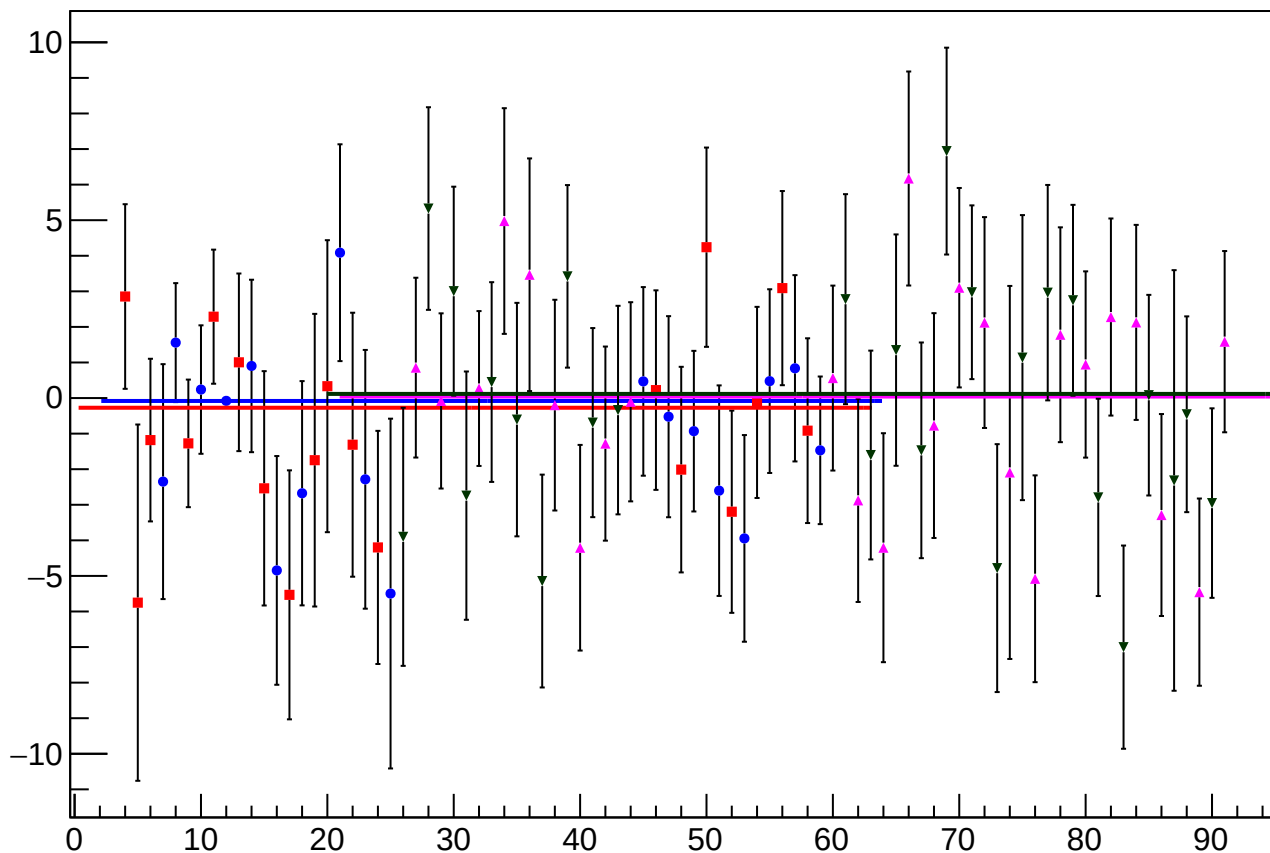
Right Out: 2986.116 $\pm$ 0.736 χ^2 /NDF: 2945634.2/18

Left In: 2820.729 $\pm$ 0.583 χ^2 /NDF:3503551.3/24

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

2884.590 $\pm$ 0.457 χ^2 /NDF: 6480218.6/43

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

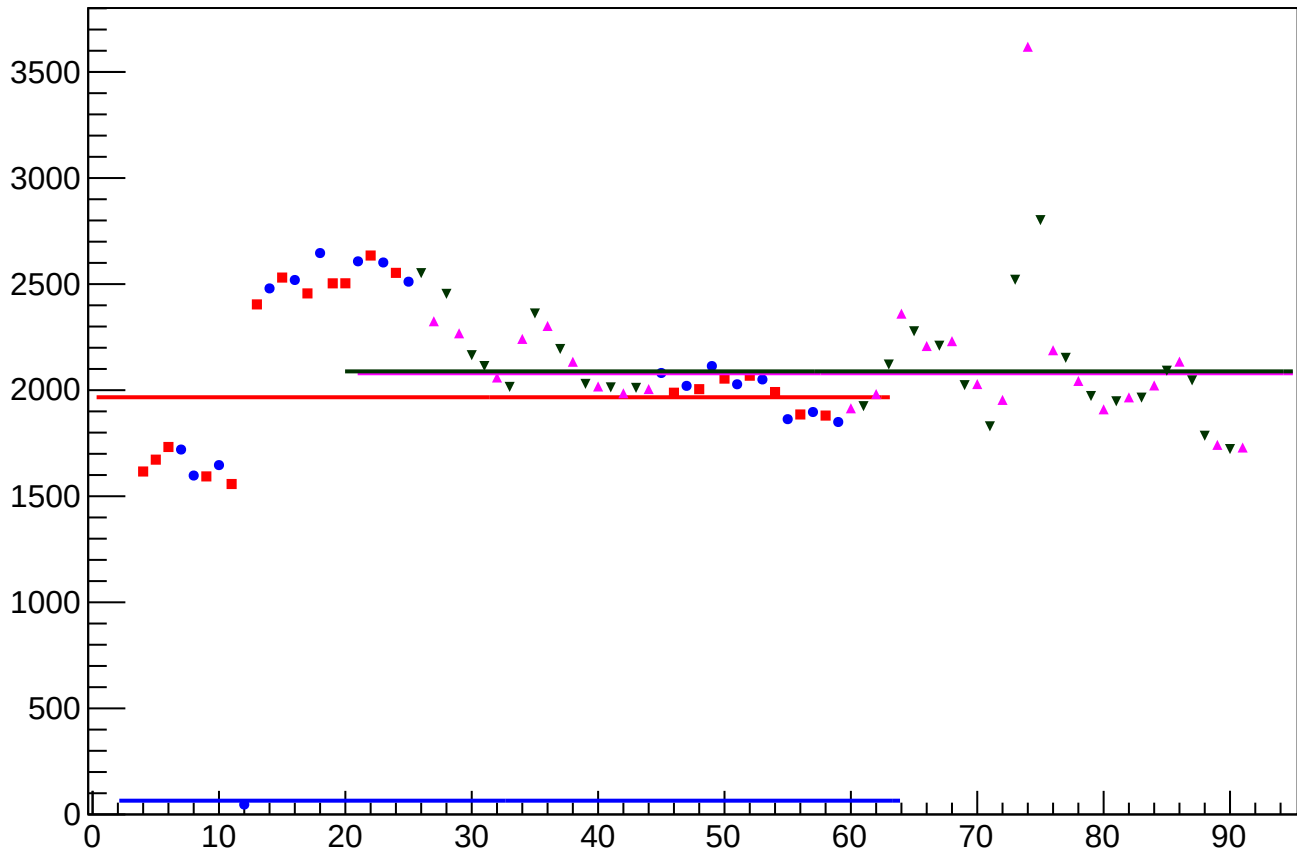
Right Out: -0.272 ± 0.631 χ^2/NDF : 15.3/18

Left In: 0.043 ± 0.565 χ^2/NDF : 25.8/24

-0.080 ± 0.060 χ^2/NDF : 43.7/43

-0.097 ± 0.421 χ^2/NDF : 41.2/43

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

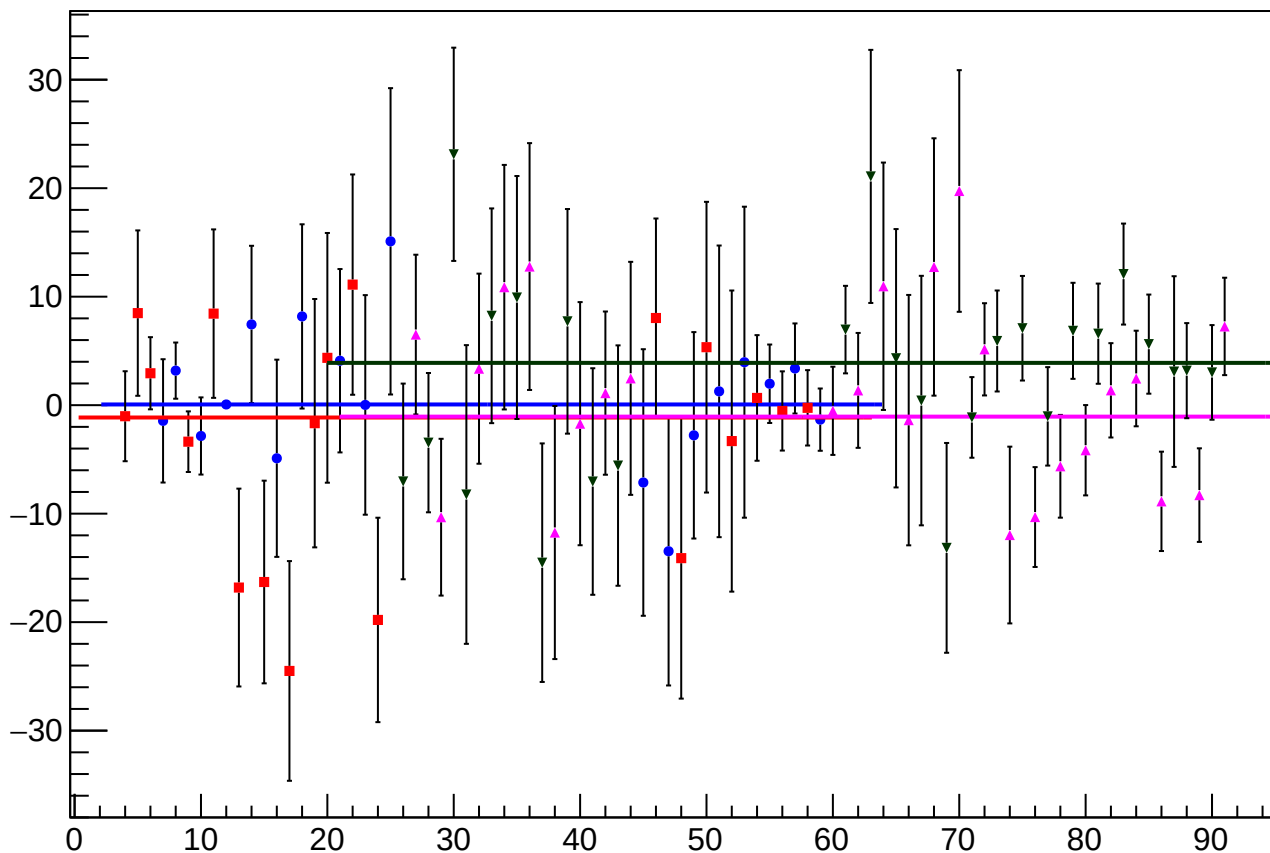
Right Out: 1966.634+/-0.446 χ^2/NDF : 610680.3/18

Left In: 2079.700+/-0.399 χ^2/NDF : 348242.3/24

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

2029.437+/-0.298 χ^2/NDF : 994566.5/43

diff_bpm4acY_mean vs slug



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

Left Out: 3.899 ± 1.179 $\chi^2/\text{NDF}: 26.3/25$

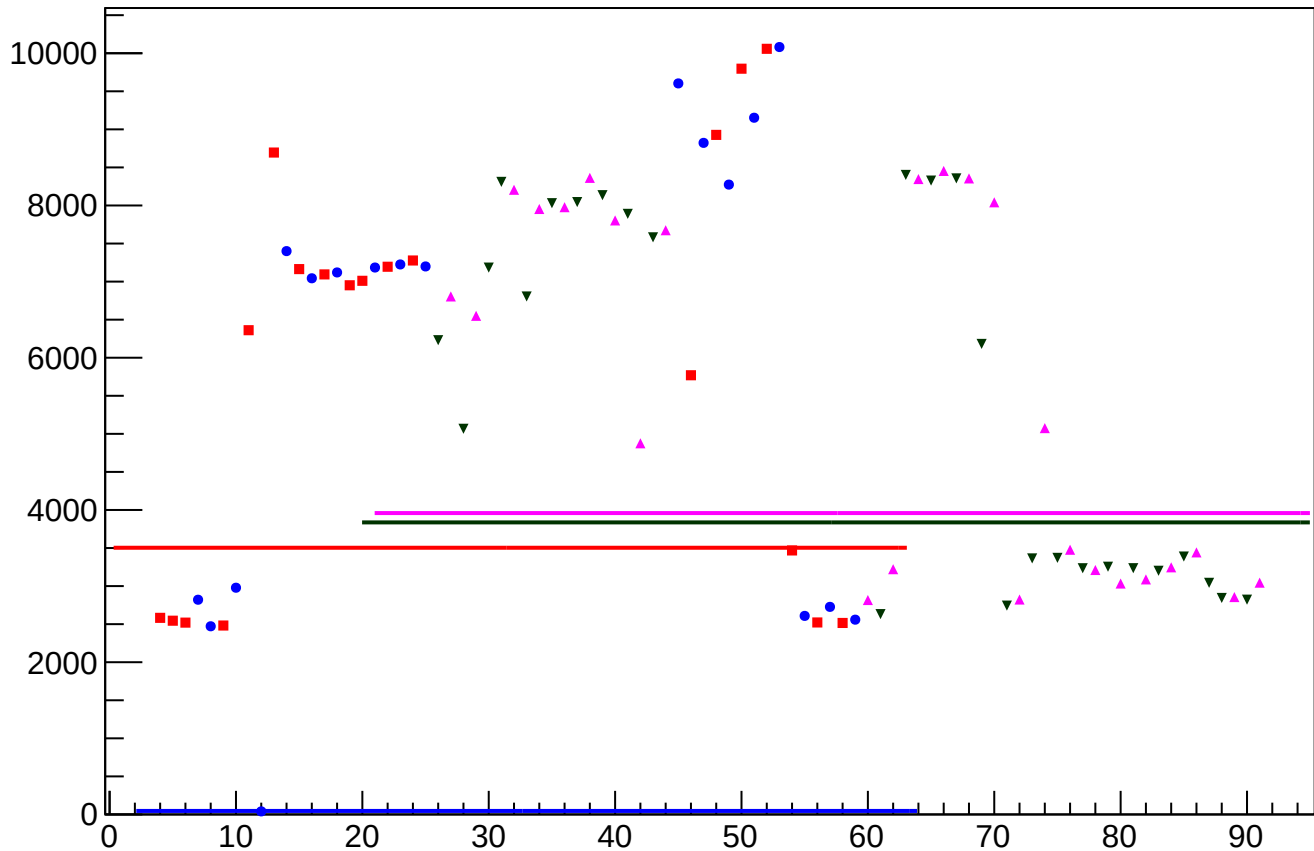
Right Out: -1.137 ± 1.295 $\chi^2/\text{NDF}: 24.2/18$

Left In: -1.056 ± 1.187 $\chi^2/\text{NDF}: 32.3/24$

0.073 ± 0.052 $\chi^2/\text{NDF}: 45.5/43$

-1.093 ± 0.875 $\chi^2/\text{NDF}: 56.6/43$

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

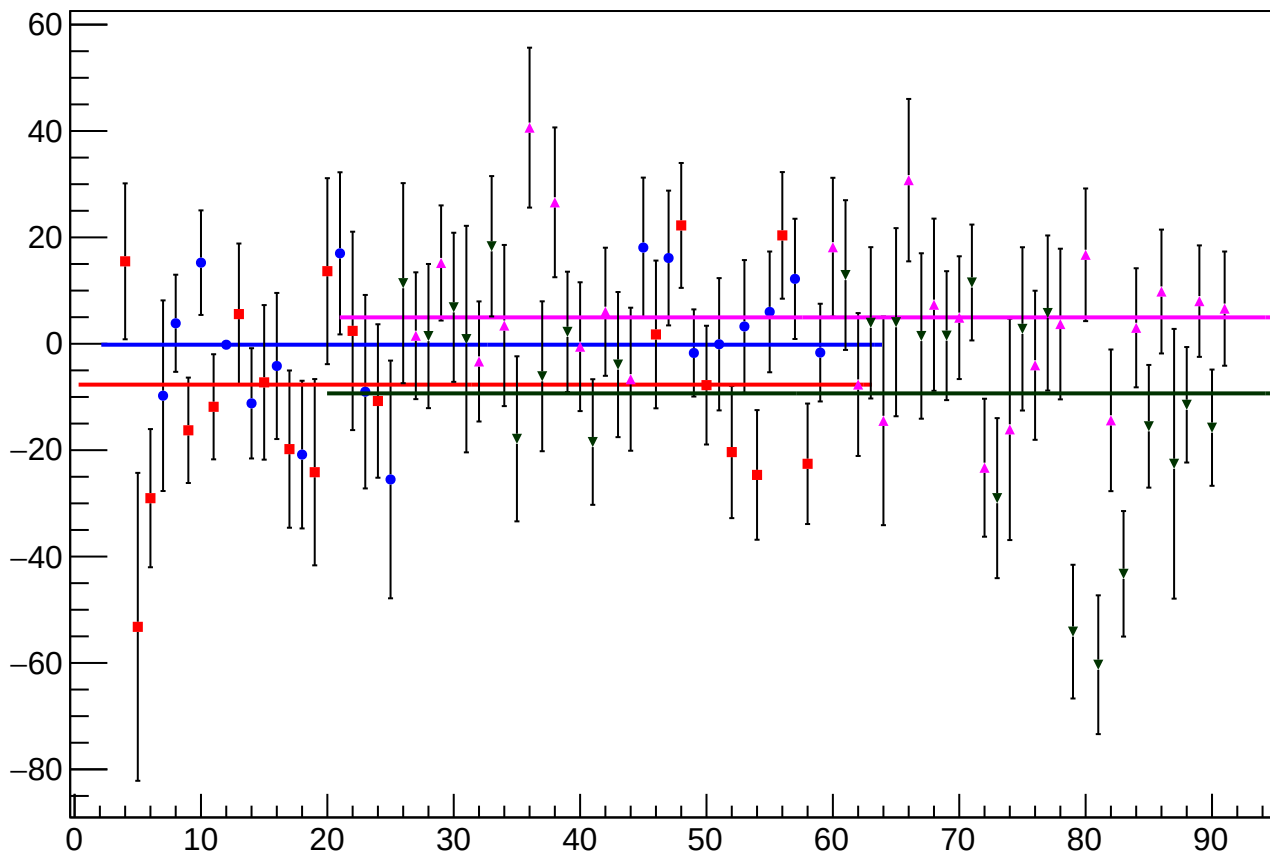
Right Out: 3503.720+/-0.916 χ^2/NDF : 4669685.2/18

Left In: 3959.248+/-0.839 χ^2/NDF :4379517.2/24

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

3751.331+/-0.619 χ^2/NDF : 9183672.3/43

diff_bpm4ecX_mean vs slug



Right In: -0.174 ± 0.106 χ^2/NDF : 14.4/17

Left Out: -9.326 ± 2.653 χ^2/NDF : 59.5/25

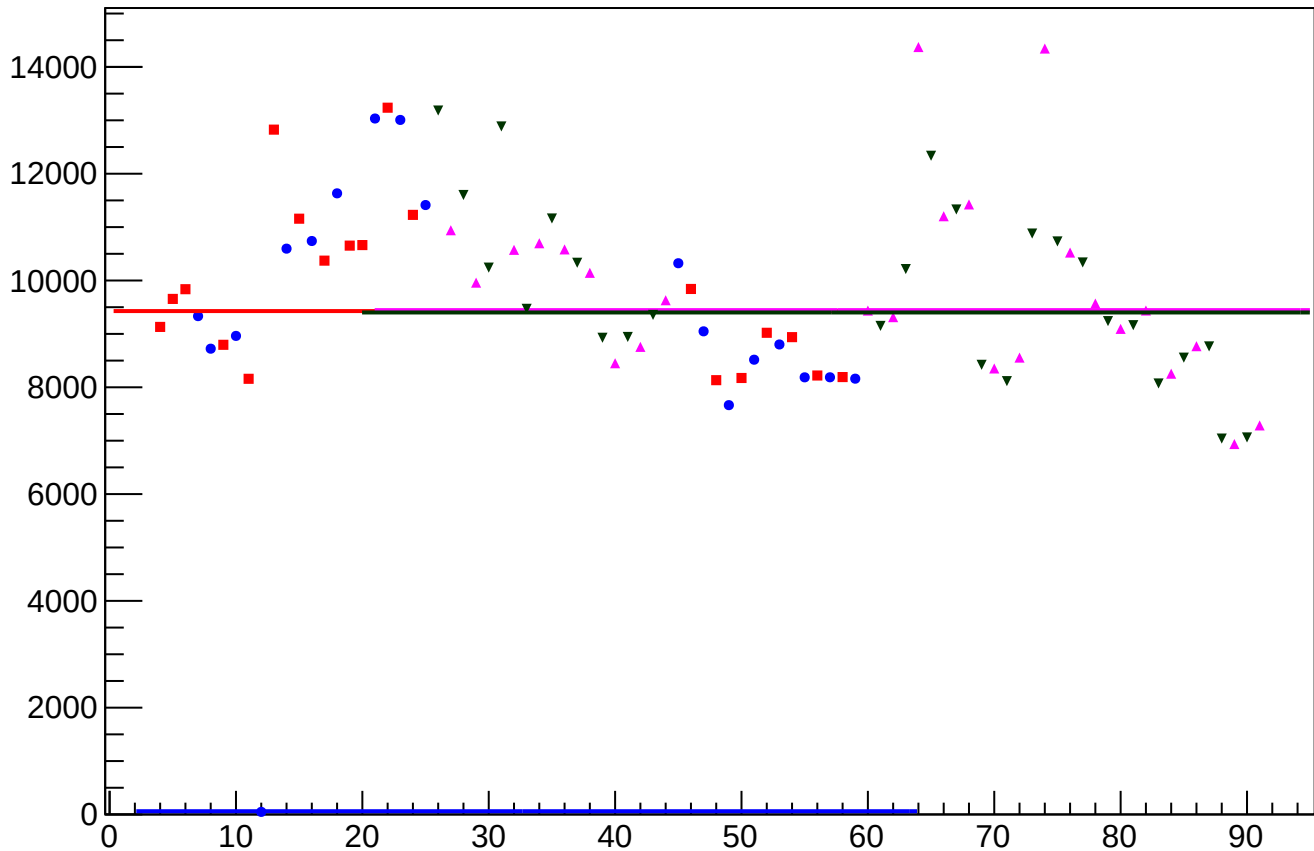
Right Out: -7.679 ± 3.015 χ^2/NDF : 30.2/18

Left In: 4.964 ± 2.585 χ^2/NDF : 25.8/24

-0.189 ± 0.106 χ^2/NDF : 85.7/43

-0.391 ± 1.962 χ^2/NDF : 66.1/43

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

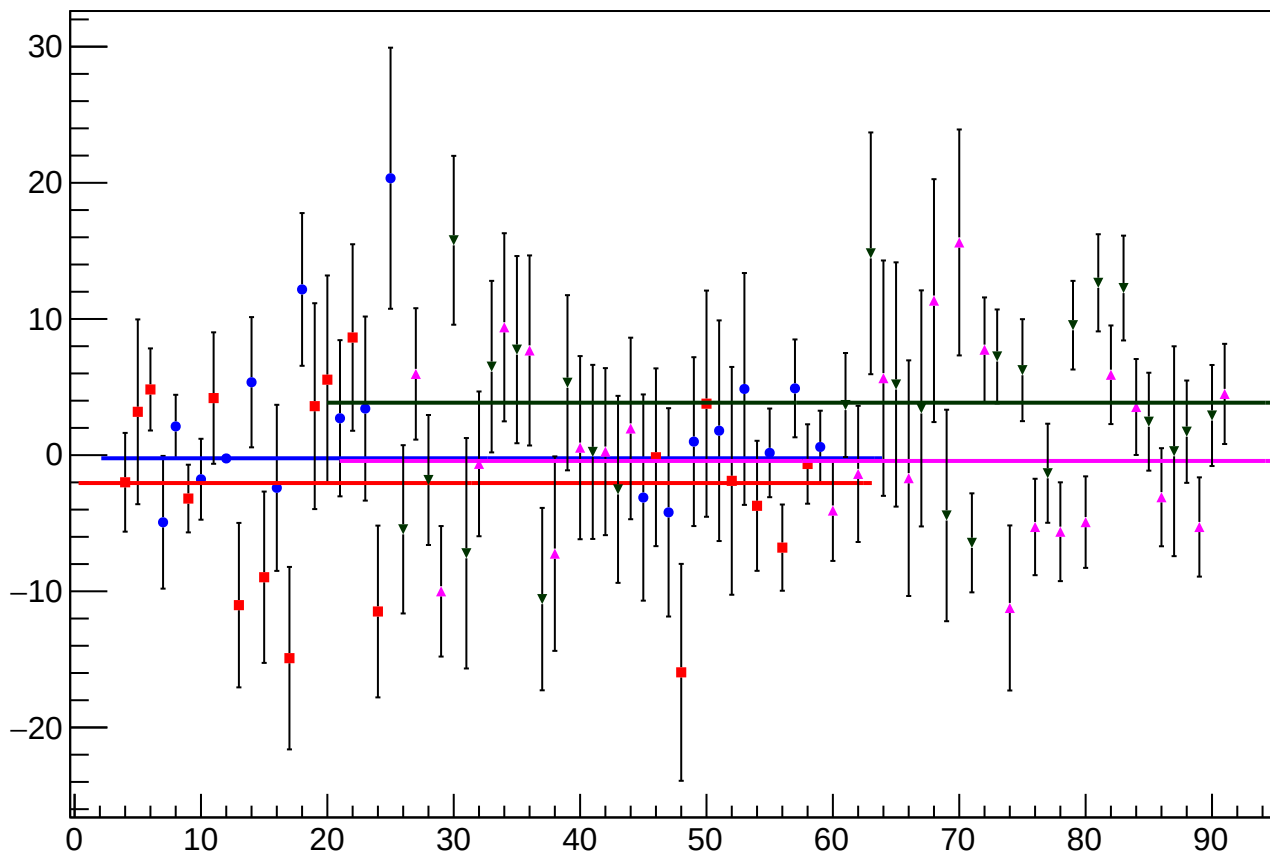
Right Out: 9427.549 $\pm$ 2.132 χ^2 /NDF: 447350.4/18

Left In: 9445.294 $\pm$ 1.828 χ^2 /NDF: 666014.2/24

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

9437.778 $\pm$ 1.388 χ^2 /NDF: 1113404.5/43

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

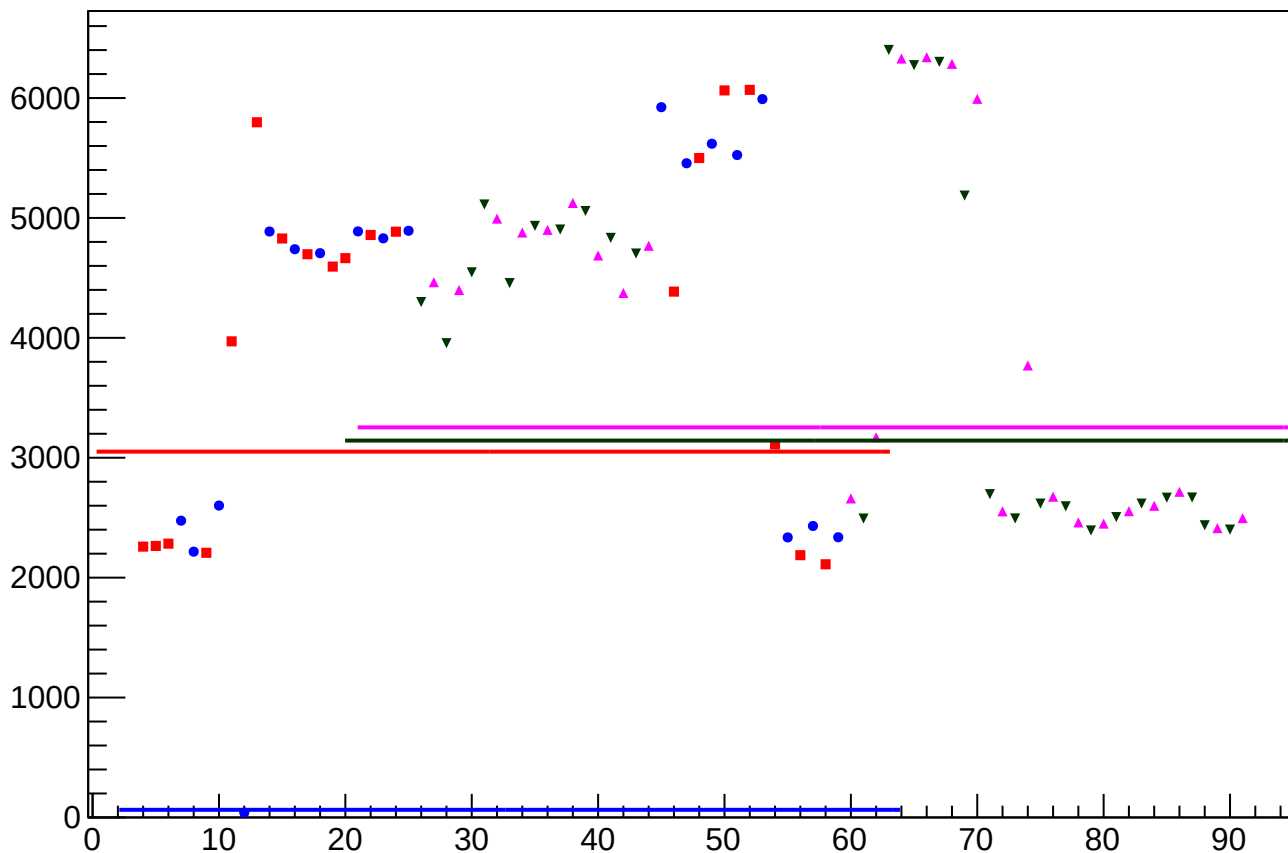
Right Out: -2.049 ± 1.055 χ^2/NDF : 27.2/18

Left In: -0.427 ± 0.935 χ^2/NDF : 39.0/24

-0.192 ± 0.089 χ^2/NDF : 80.1/43

-1.140 ± 0.700 χ^2/NDF : 67.6/43

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

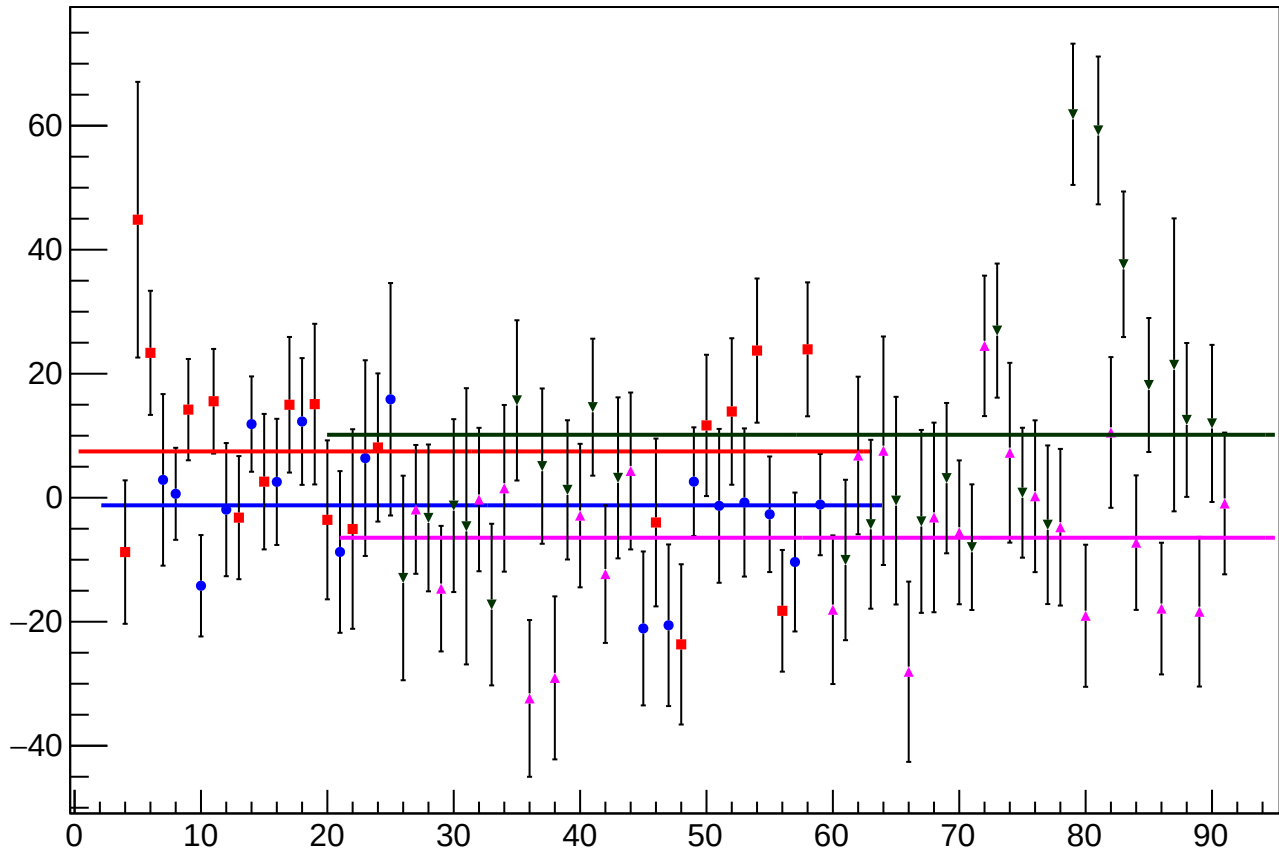
Right Out: 3050.872 $\pm$ 0.746 χ^2 /NDF: 2882138.2/18

Left In: 3253.388 $\pm$ 0.661 χ^2 /NDF: 2806636.0/24

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

3164.317 $\pm$ 0.495 χ^2 /NDF: 5730024.7/43

diff_bpm1X_mean vs slug



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

Left Out: 10.151 ± 2.475 $\chi^2/\text{NDF}: 67.0/25$

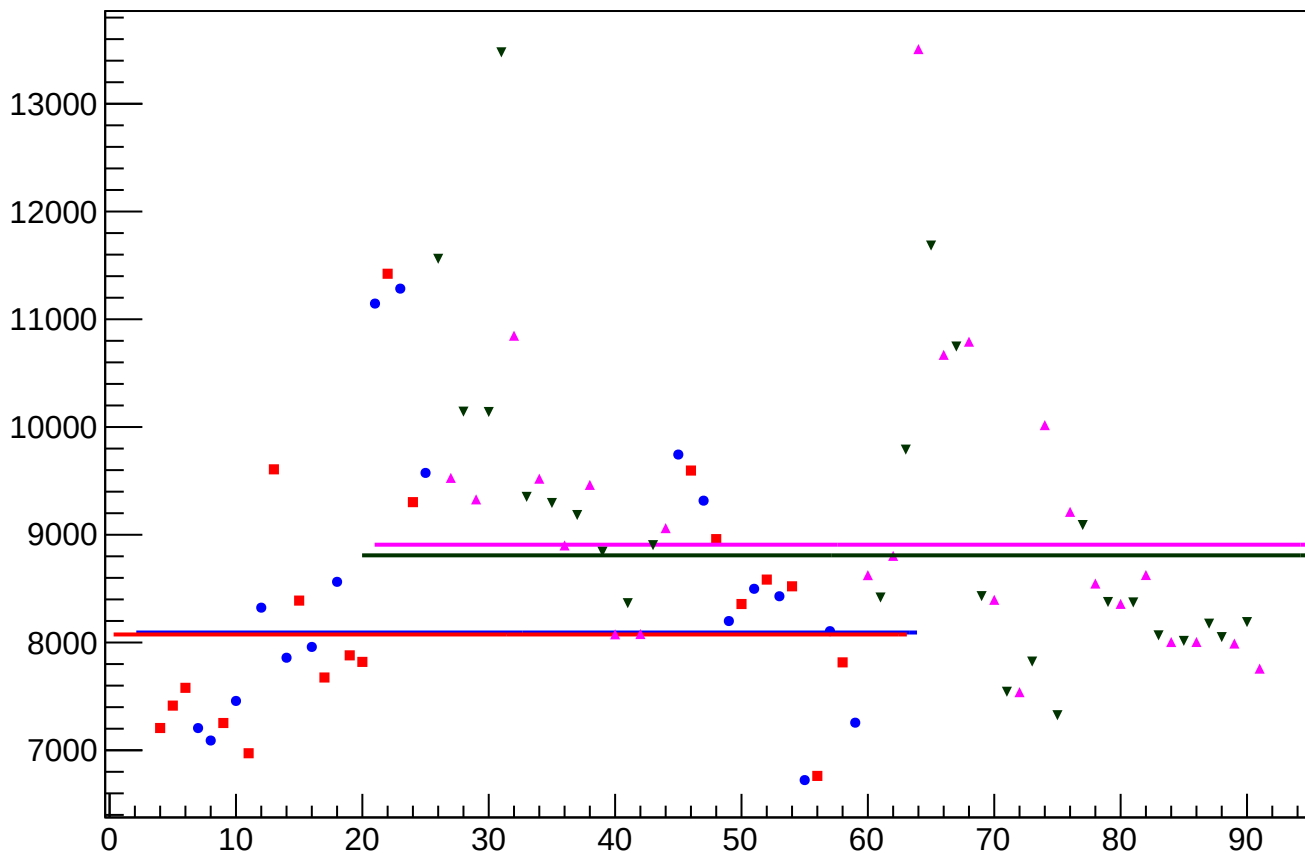
Right Out: 7.465 ± 2.574 $\chi^2/\text{NDF}: 30.5/18$

Left In: -6.454 ± 2.424 $\chi^2/\text{NDF}: 28.8/24$

4.357 ± 1.734 $\chi^2/\text{NDF}: 92.2/43$

0.088 ± 1.765 $\chi^2/\text{NDF}: 74.8/43$

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

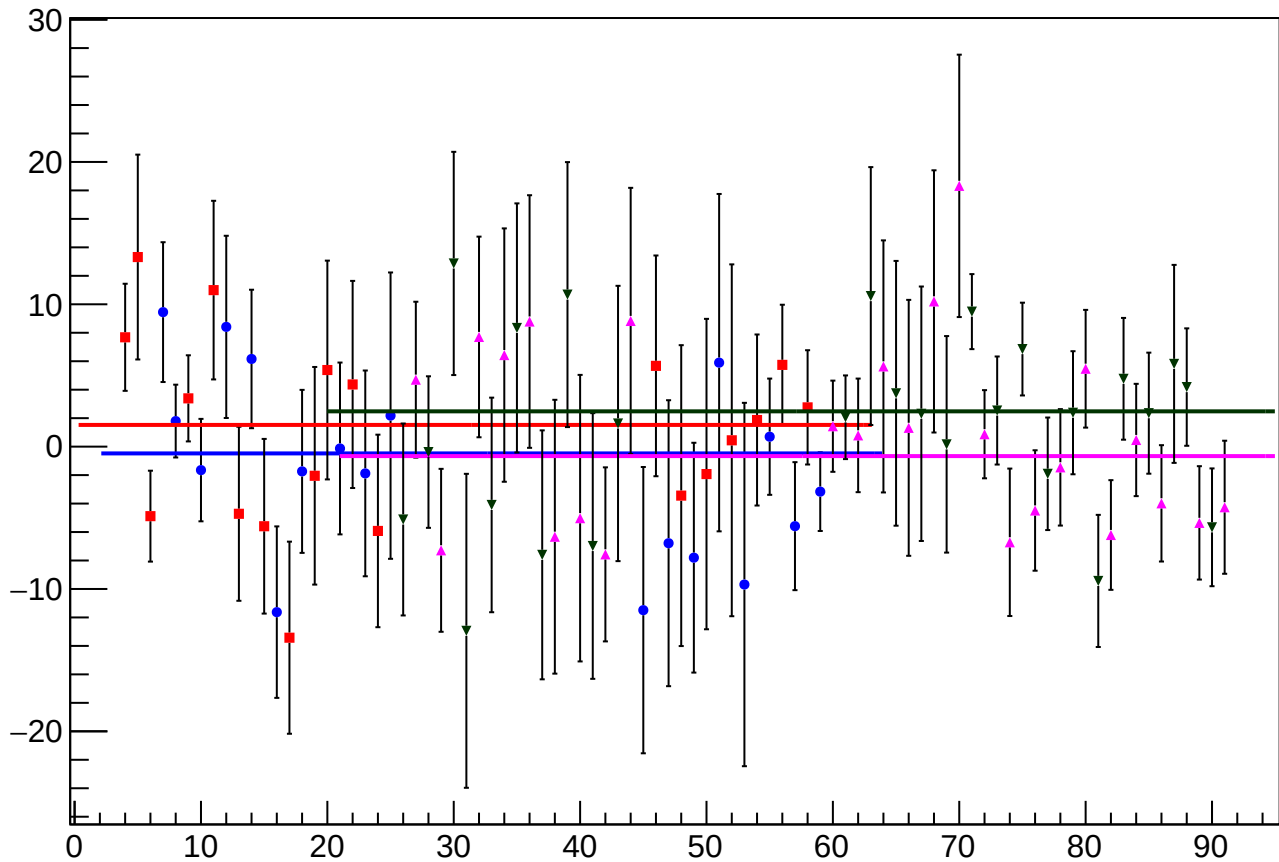
Right Out: 8074.654 $\pm$ 1.820 χ^2 /NDF: 312658.9/18

Left In: 8907.803 $\pm$ 1.714 χ^2 /NDF:395434.2/24

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

8516.192 $\pm$ 1.248 χ^2 /NDF: 819153.8/43

diff_bpm1Y_mean vs slug



Right In: -0.476 ± 1.161 χ^2/NDF : 17.9/17

Left Out: 2.479 ± 0.977 χ^2/NDF : 31.8/25

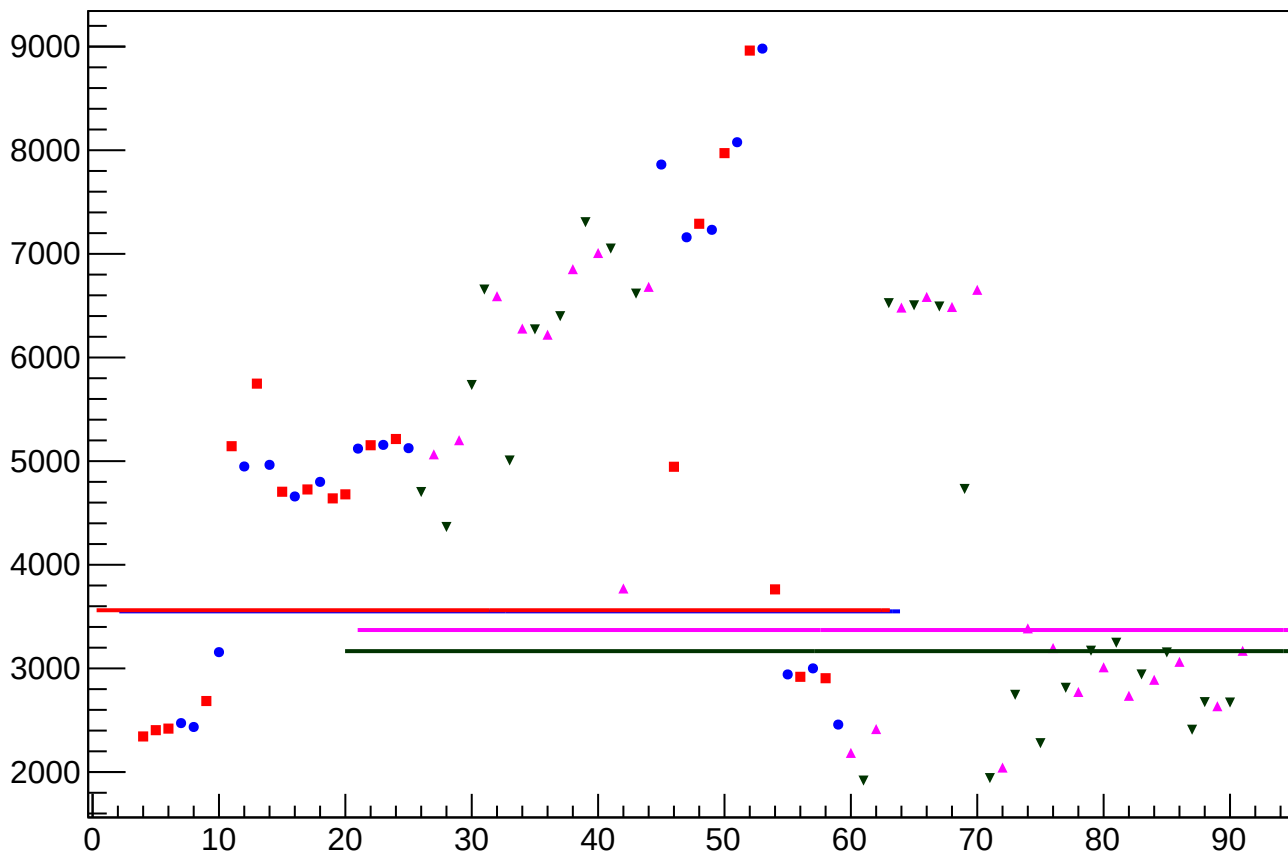
Right Out: 1.525 ± 1.232 χ^2/NDF : 22.9/18

Left In: -0.665 ± 1.003 χ^2/NDF : 24.5/24

1.254 ± 0.748 χ^2/NDF : 53.5/43

0.209 ± 0.778 χ^2/NDF : 49.3/43

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

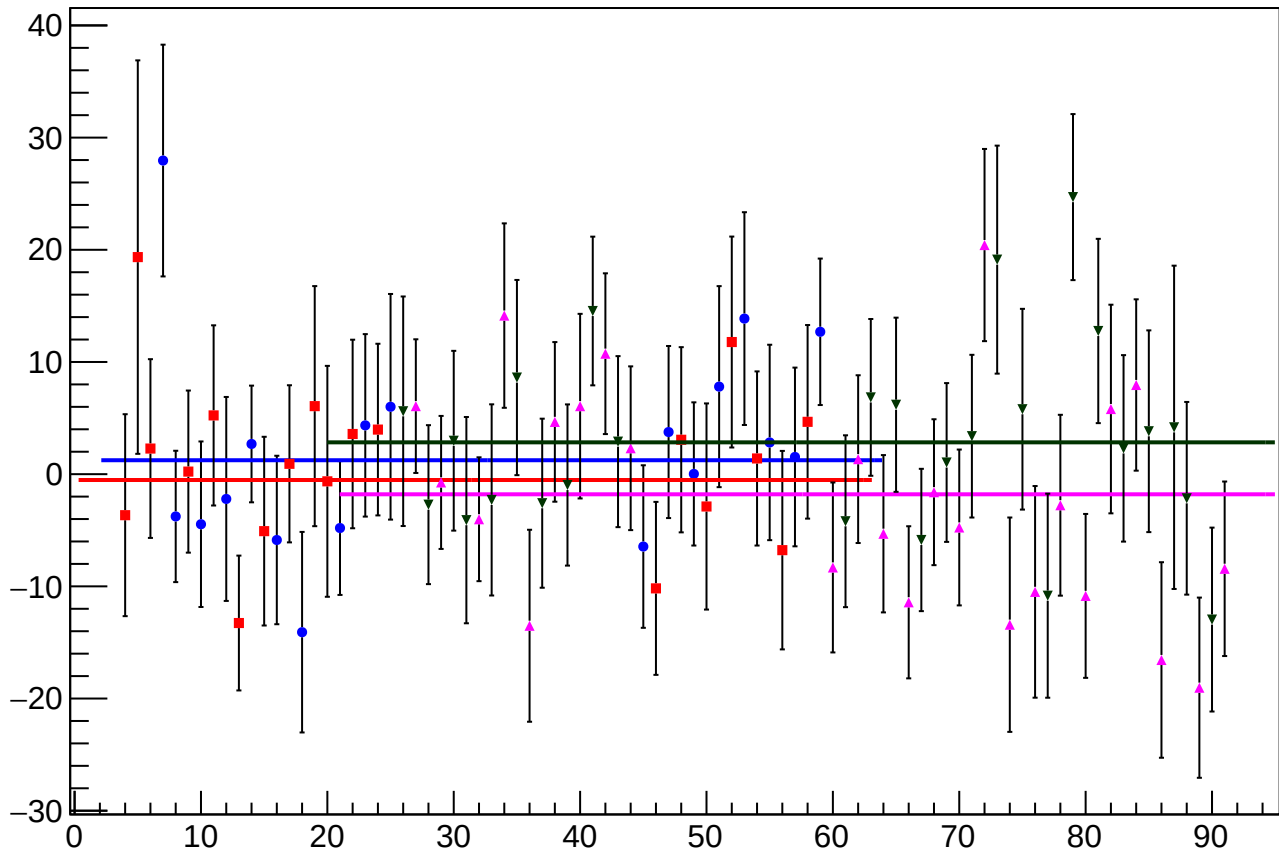
Right Out: 3561.233+/-0.871 χ^2 /NDF: 2618224.4/18

Left In: 3370.422+/-0.710 χ^2 /NDF: 3986548.8/24

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

3446.537+/-0.550 χ^2 /NDF: 6633620.5/43

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

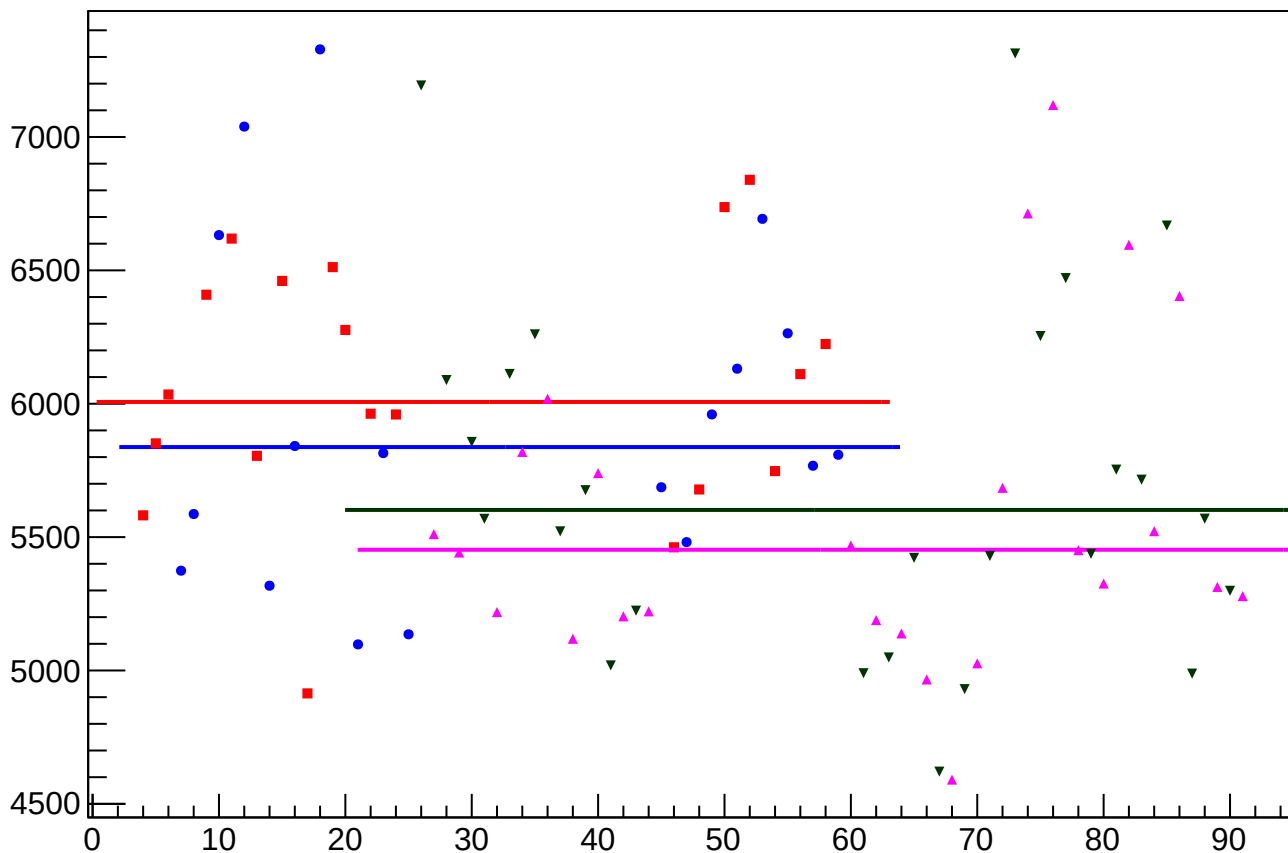
2.126 ± 1.169 χ^2/NDF : 49.1/43

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

-1.315 ± 1.169 χ^2/NDF : 49.7/43

Left In: -1.795 ± 1.480 χ^2/NDF : 37.2/24

diff_bpm11X_rms vs slug



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

Left Out: 5601.903 $\pm$ 1.109 χ^2 /NDF:314810.4/25

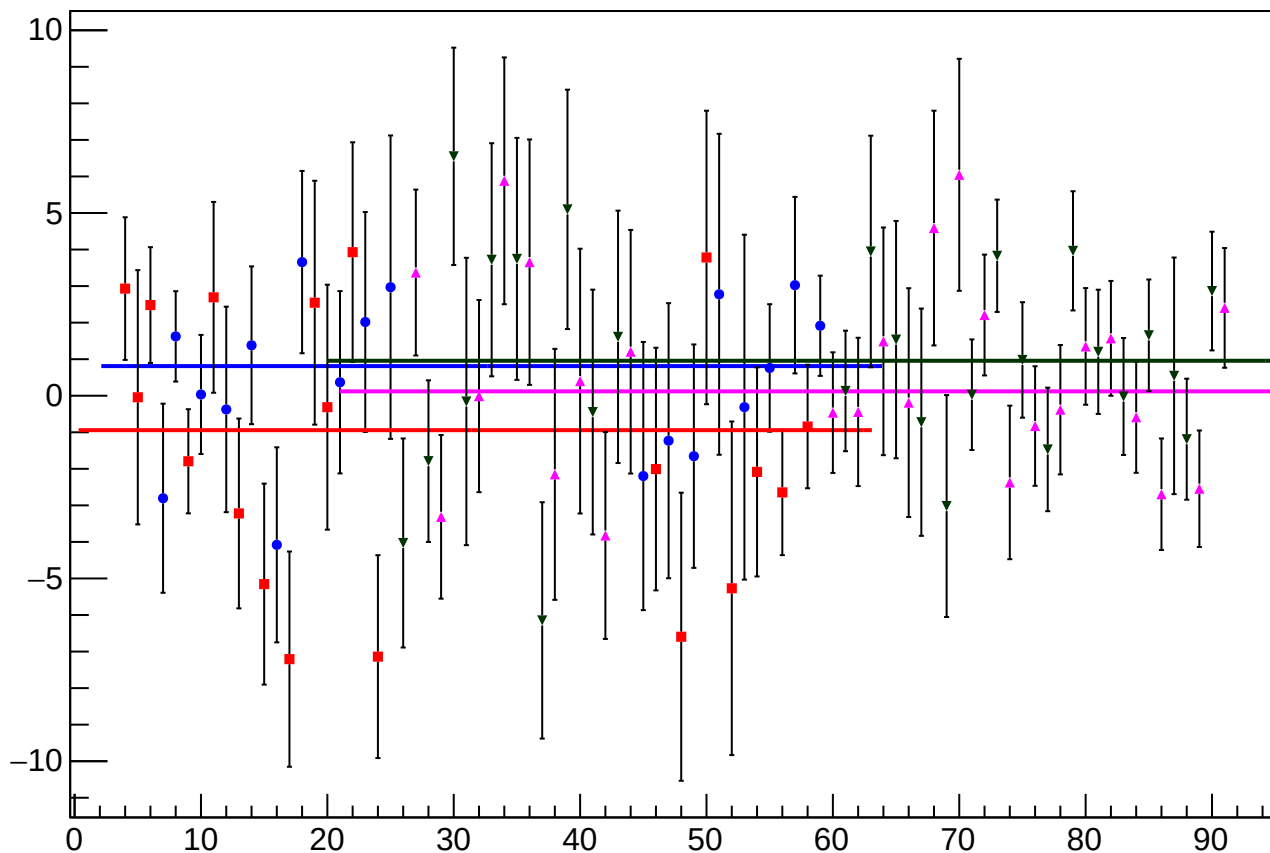
Right Out: 6006.736 $\pm$ 1.348 χ^2 /NDF: 130455.1/18

Left In: 5452.570 $\pm$ 1.047 χ^2 /NDF:242422.3/24

5706.825 $\pm$ 0.826 χ^2 /NDF: 546213.4/43

5661.007 $\pm$ 0.827 χ^2 /NDF: 478299.0/43

diff_bpm11Y_mean vs slug



Right In: 0.811 ± 0.532 $\chi^2/\text{NDF}: 11.3/17$

Left Out: 0.957 ± 0.414 $\chi^2/\text{NDF}: 32.5/25$

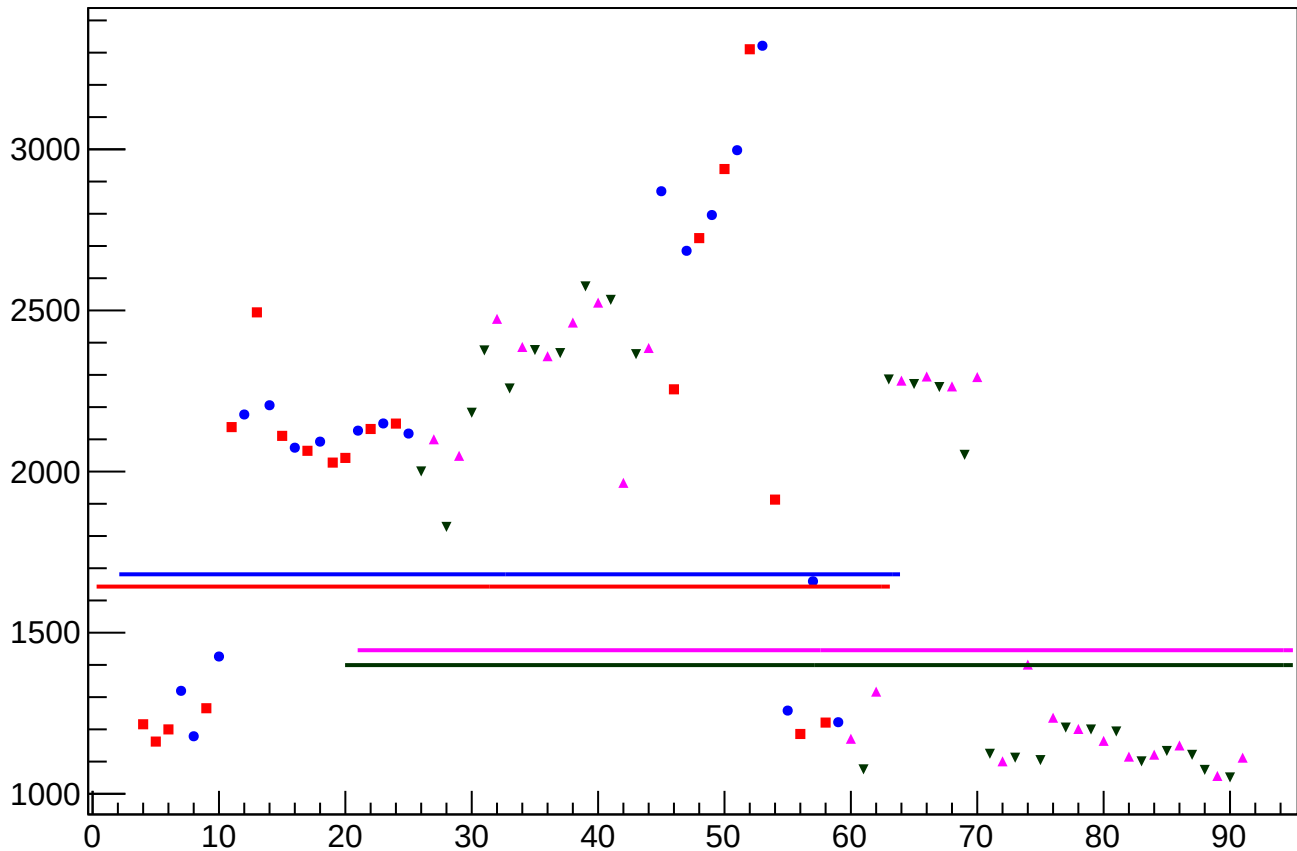
Right Out: -0.942 ± 0.553 $\chi^2/\text{NDF}: 32.9/18$

Left In: 0.120 ± 0.415 $\chi^2/\text{NDF}: 30.0/24$

0.902 ± 0.327 $\chi^2/\text{NDF}: 43.9/43$

-0.263 ± 0.332 $\chi^2/\text{NDF}: 65.3/43$

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

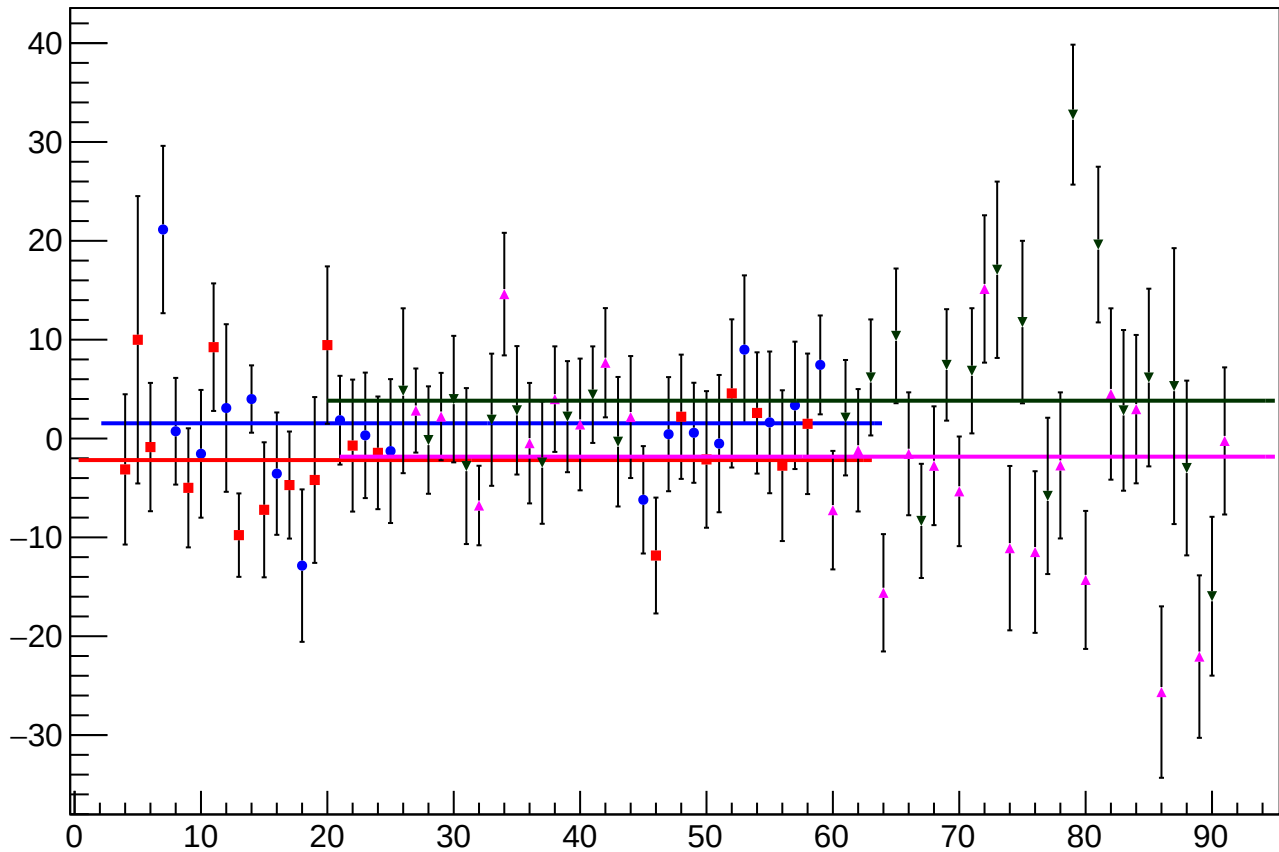
Right Out: 1643.071+/-0.391 χ^2/NDF : 1969332.5/18

Left In: 1445.593+/-0.293 χ^2/NDF : 2804605.1/24

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

1516.753+/-0.235 χ^2/NDF : 4937343.9/43

diff_bpm12X_mean vs slug



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

Left Out: 3.827 ± 1.331 χ^2/NDF : 41.2/25

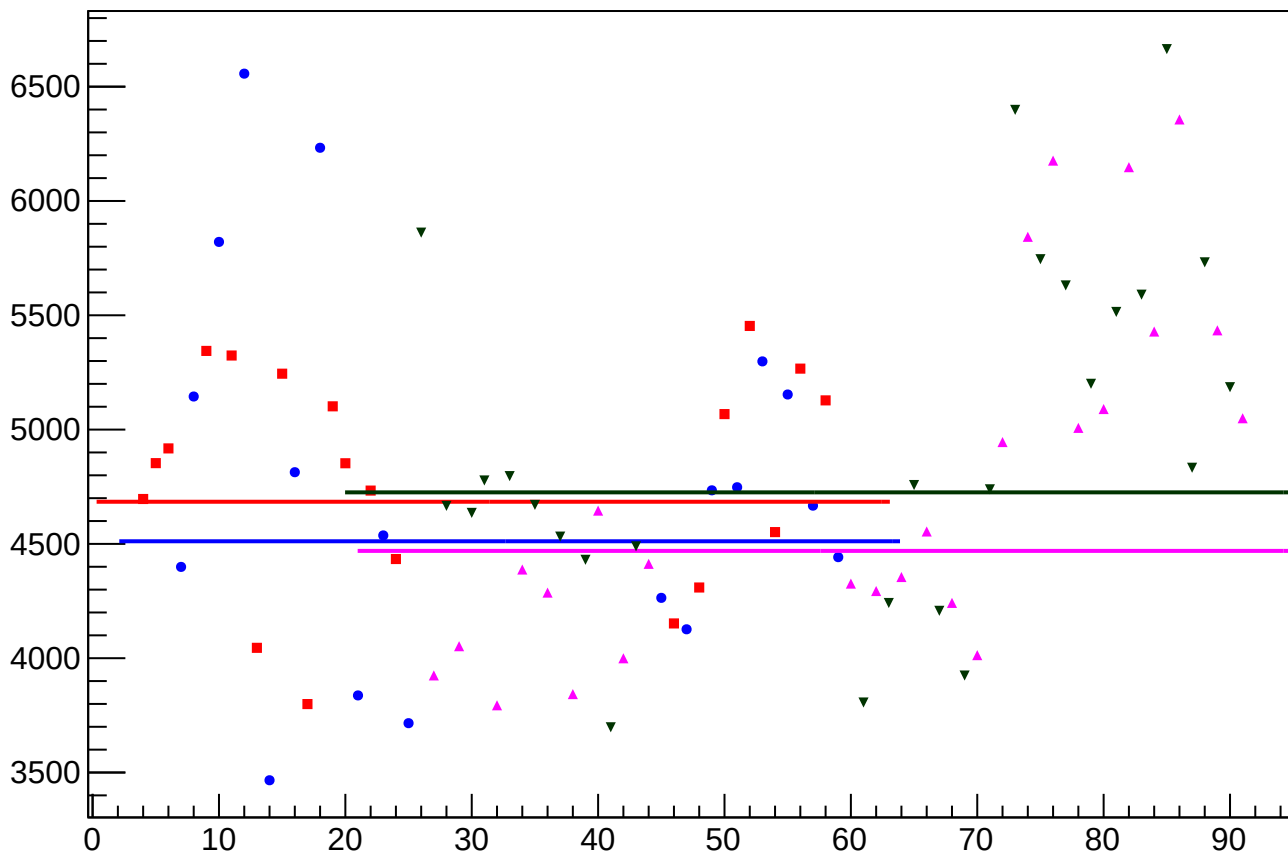
2.716 ± 0.954 χ^2/NDF : 57.8/43

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

-1.973 ± 0.946 χ^2/NDF : 63.0/43

Left In: -1.835 ± 1.222 χ^2/NDF : 47.7/24

diff_bpm12X_rms vs slug



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

Left Out: 4725.447+/-0.941 χ^2/NDF : 561253.1/25

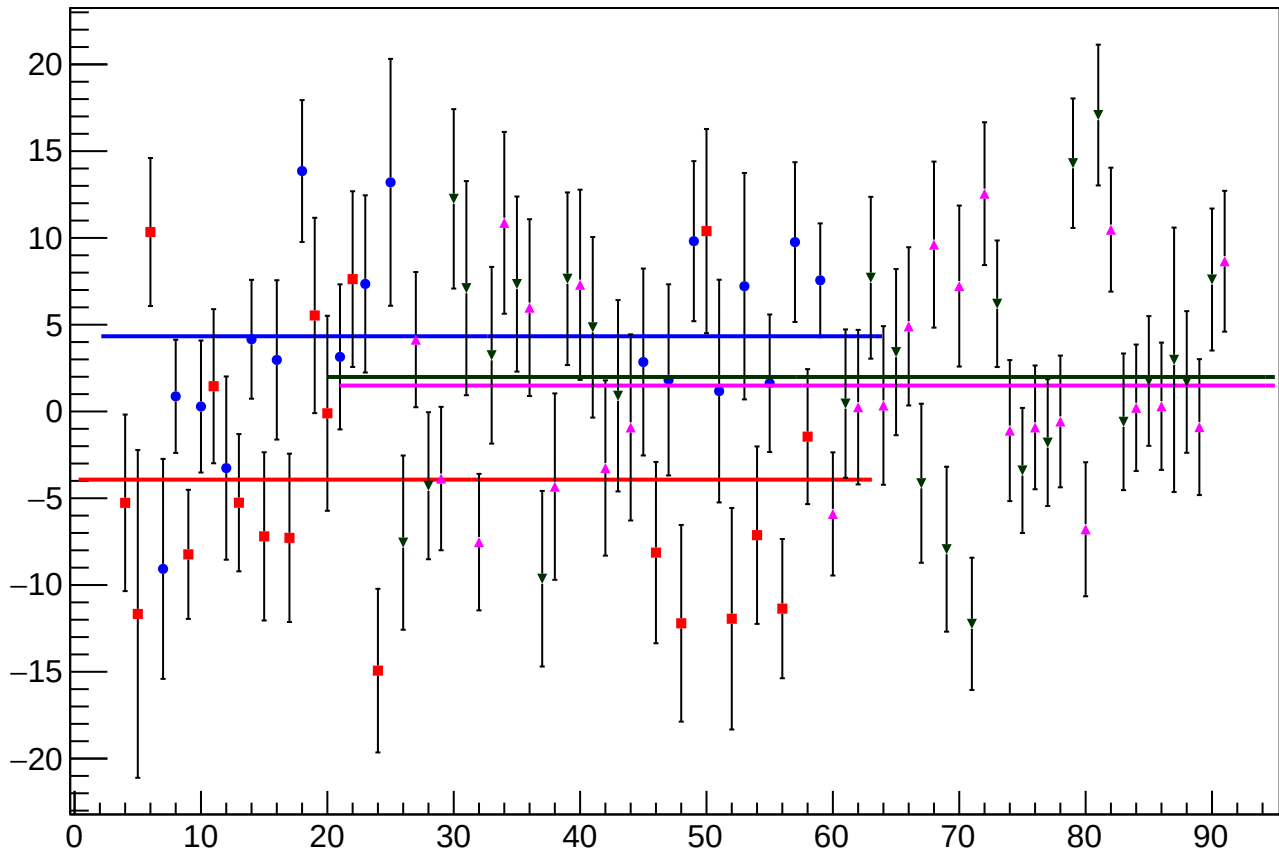
4621.491+/-0.675 χ^2/NDF : 1233359.8/43

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

4555.681+/-0.669 χ^2/NDF : 856464.7/43

Left In: 4469.389+/-0.864 χ^2/NDF : 591386.3/24

diff_bpm12Y_mean vs slug



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

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

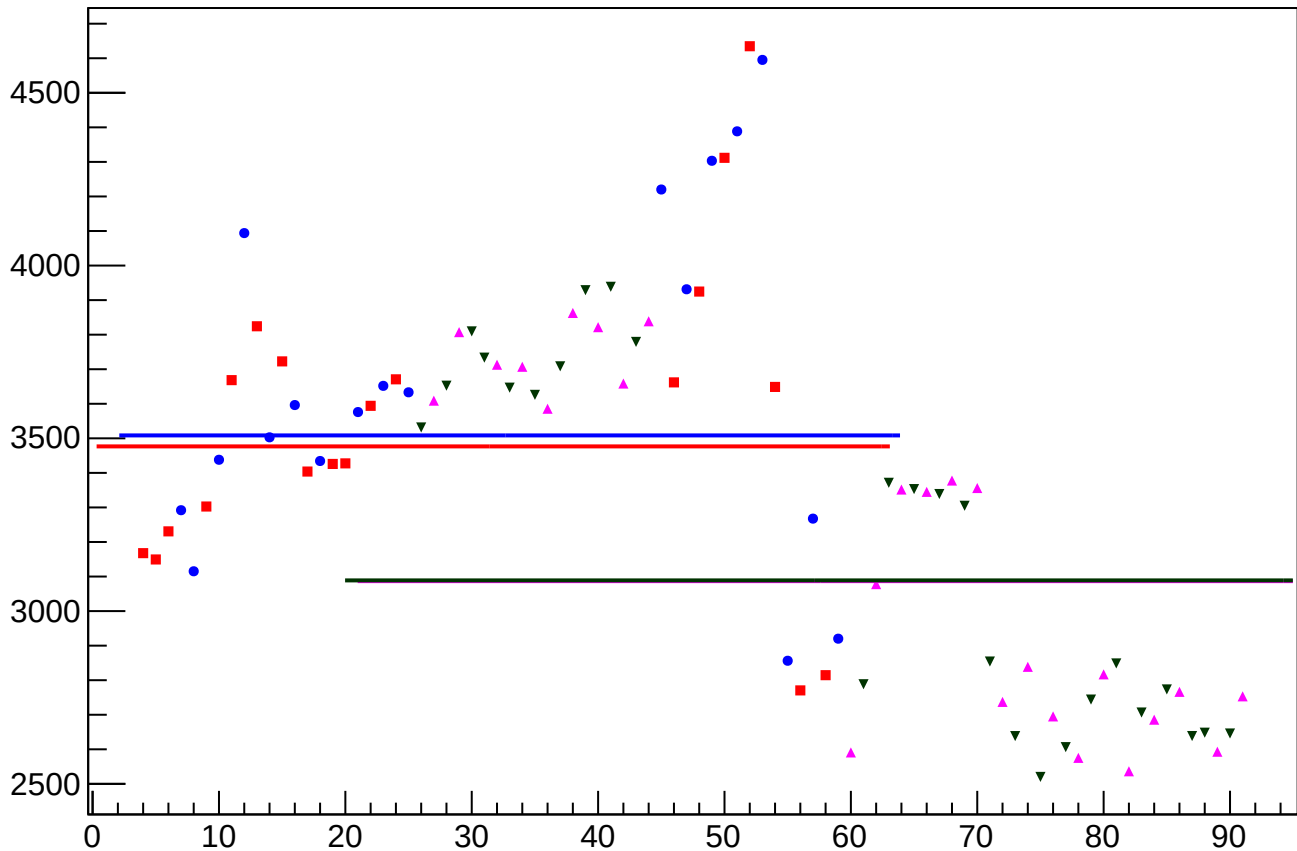
Right Out: -3.927 ± 1.110 $\chi^2/\text{NDF}: 44.2/18$

Left In: 1.493 ± 0.842 $\chi^2/\text{NDF}: 47.3/24$

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

-0.487 ± 0.671 $\chi^2/\text{NDF}: 106.6/43$

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

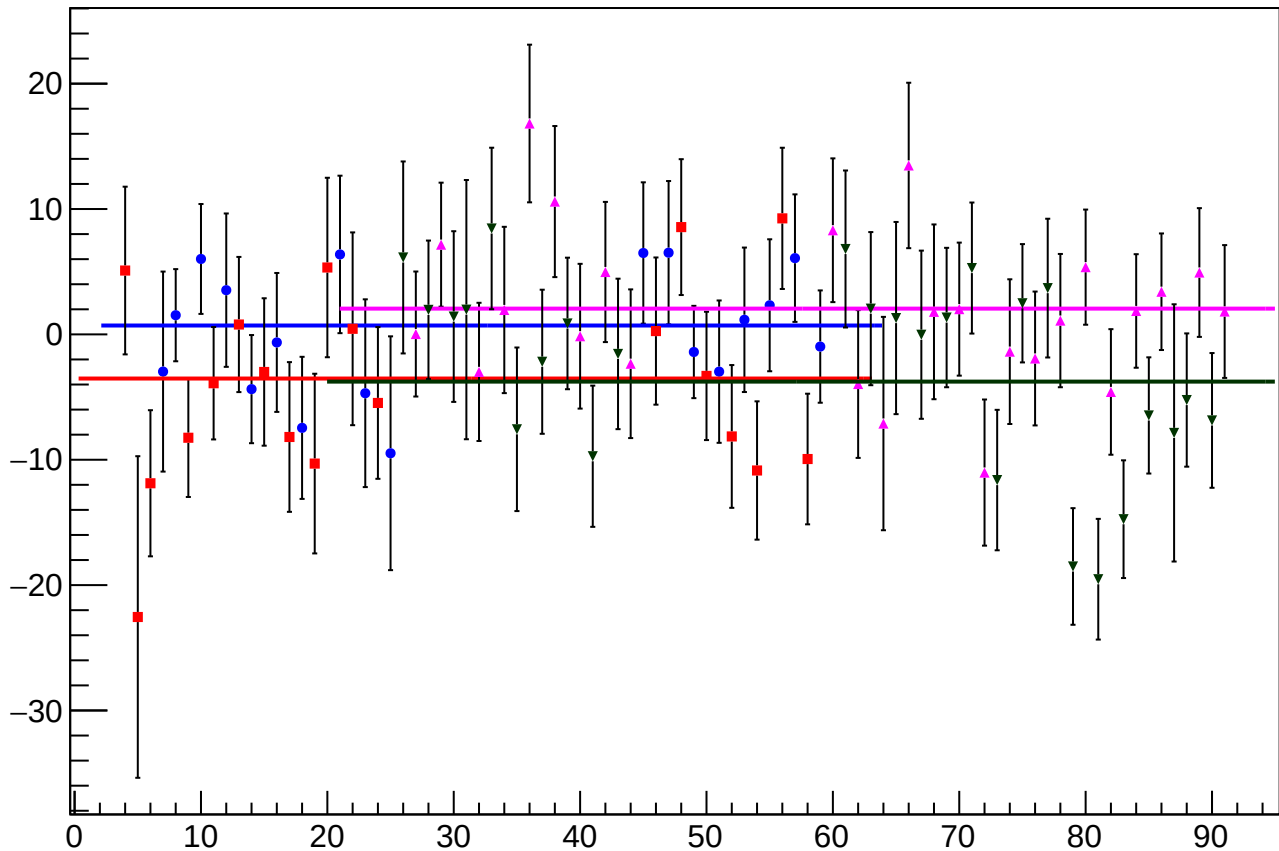
Right Out: 3476.662 $\pm$ 0.785 χ^2 /NDF: 293750.8/18

Left In: 3086.630 $\pm$ 0.595 χ^2 /NDF: 628159.6/24

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

3229.093 $\pm$ 0.474 χ^2 /NDF: 1078689.0/43

diff_bpm16X_mean vs slug



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

Left Out: -3.767 ± 1.129 χ^2/NDF : 50.7/25

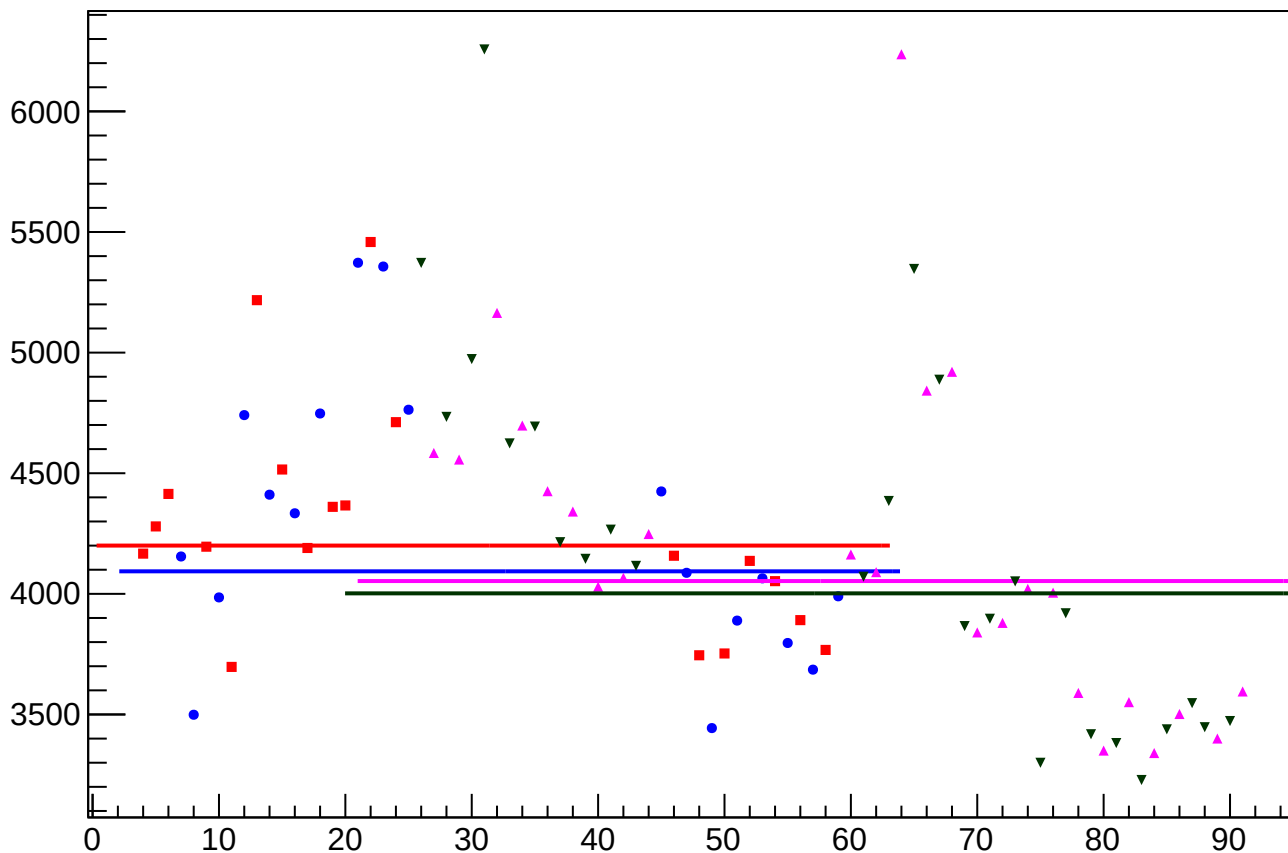
Right Out: -3.522 ± 1.336 χ^2/NDF : 25.4/18

Left In: 2.055 ± 1.106 χ^2/NDF : 25.6/24

-1.720 ± 0.831 χ^2/NDF : 70.1/43

-0.212 ± 0.852 χ^2/NDF : 61.4/43

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

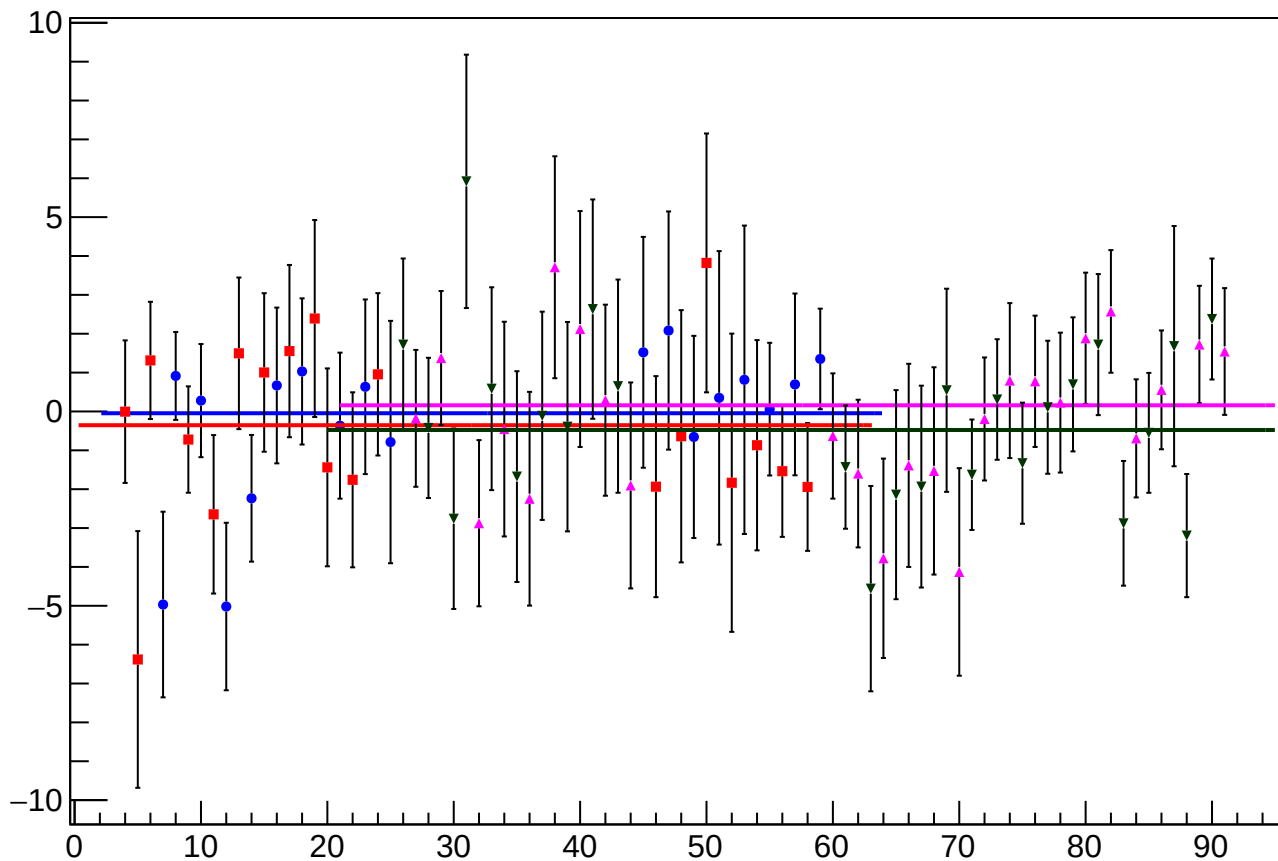
4043.844 $\pm$ 0.588 χ^2 /NDF: 996152.3/43

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

4112.859 $\pm$ 0.602 χ^2 /NDF: 802083.2/43

Left In: 4053.074 $\pm$ 0.782 χ^2 /NDF:561845.0/24

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

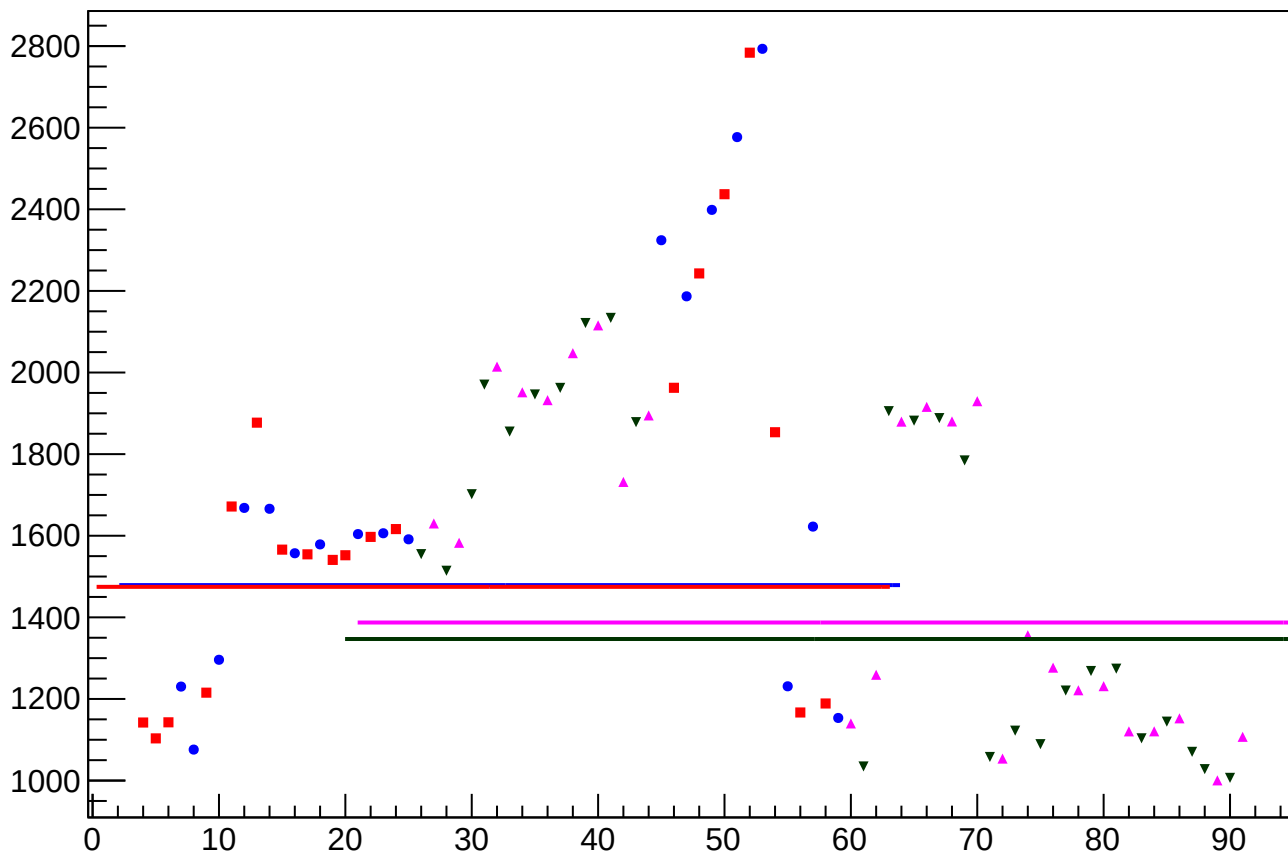
Right Out: -0.354 ± 0.483 χ^2/NDF : 13.6/18

Left In: 0.159 ± 0.388 χ^2/NDF : 18.6/24

-0.296 ± 0.297 χ^2/NDF : 38.9/43

-0.042 ± 0.302 χ^2/NDF : 32.9/43

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

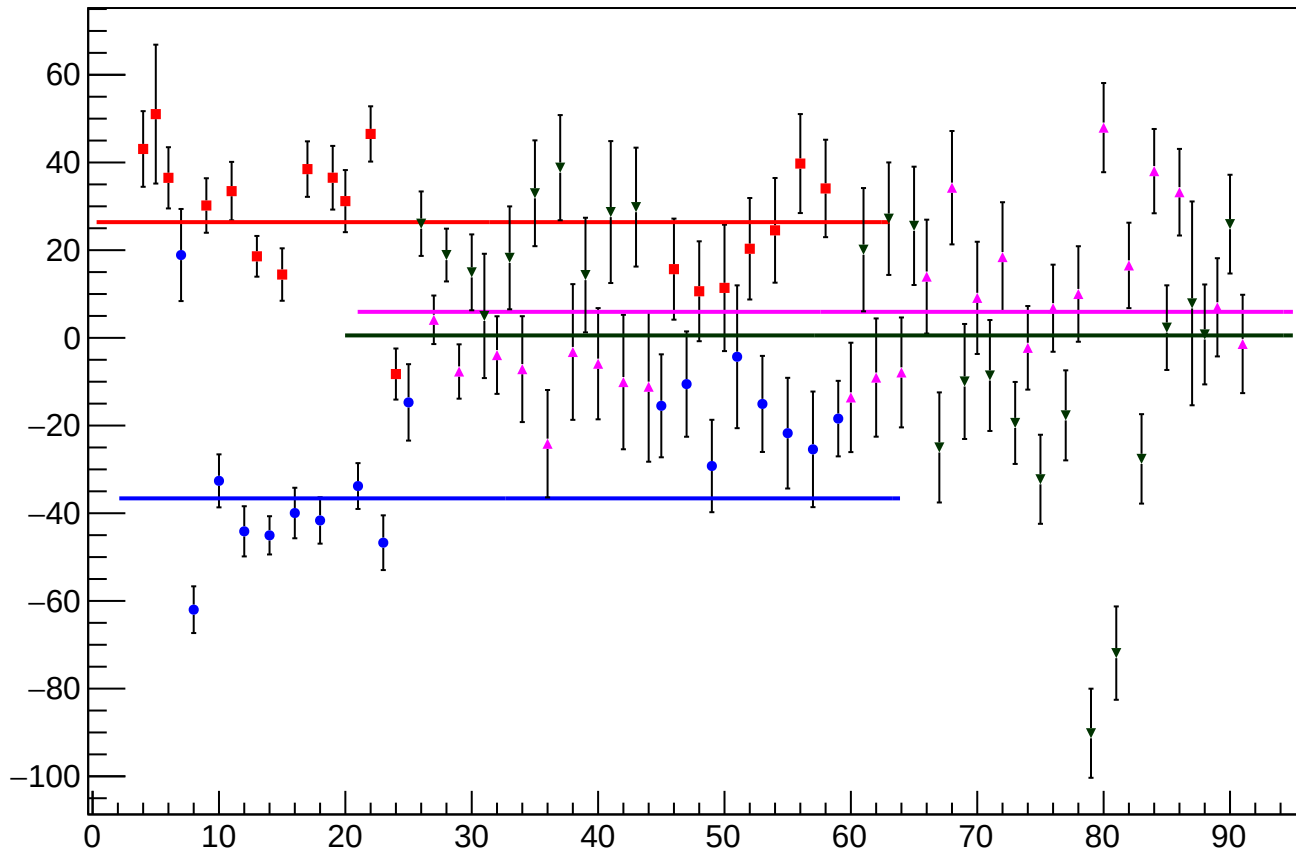
Right Out: 1474.750 $\pm$ 0.342 χ^2 /NDF: 1125200.2/18

Left In: 1387.334 $\pm$ 0.274 χ^2 /NDF:1582873.9/24

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

1421.536 $\pm$ 0.214 χ^2 /NDF: 2747890.5/43

diff_bpm0l01X_mean vs slug



Right In: -36.608 $\pm$ 1.674 χ^2 /NDF: 89.8/17

Left Out: 0.557 $\pm$ 2.120 χ^2 /NDF: 224.6/25

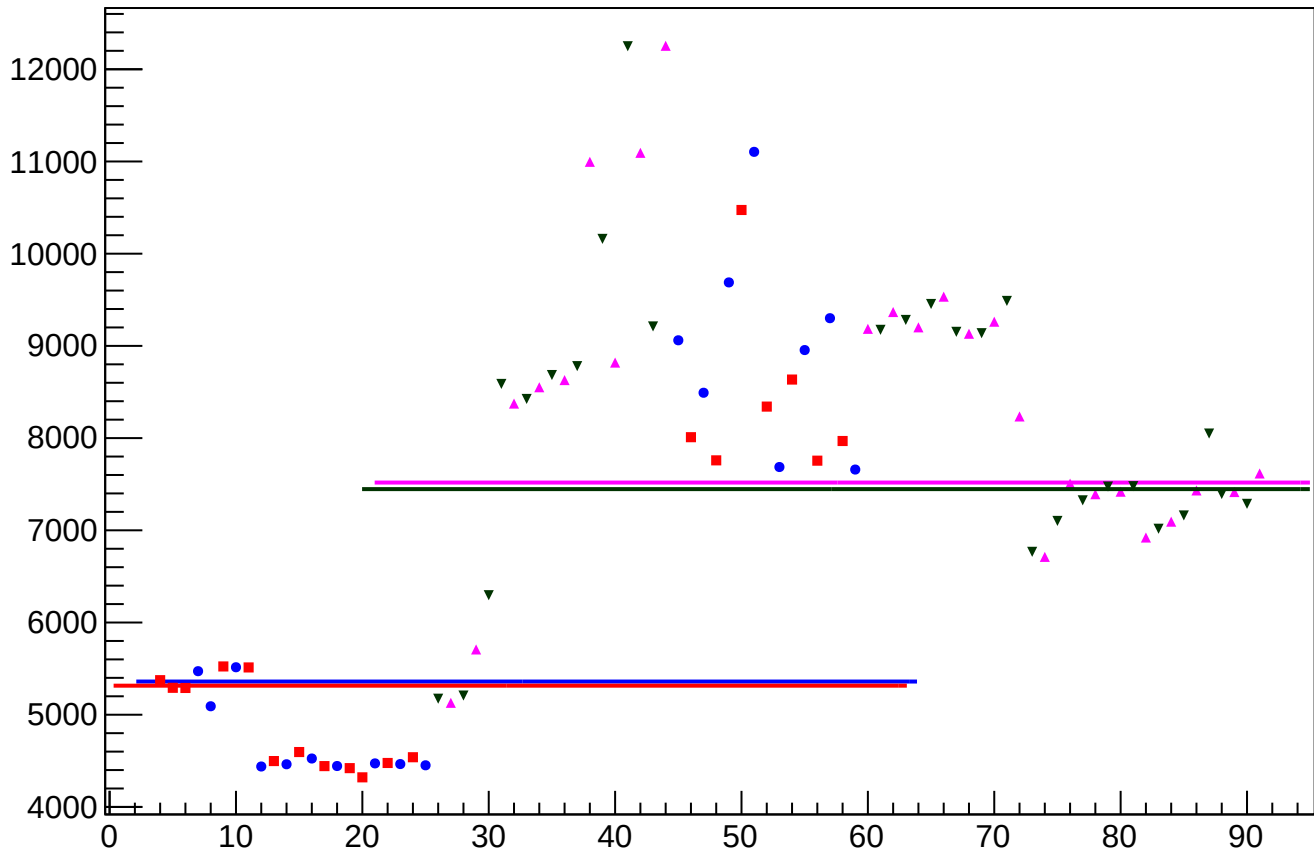
Right Out: 26.394 $\pm$ 1.742 χ^2 /NDF: 74.2/18

Left In: 5.934 $\pm$ 2.074 χ^2 /NDF: 66.2/24

-22.333 $\pm$ 1.314 χ^2 /NDF: 503.7/43

17.931 $\pm$ 1.334 χ^2 /NDF: 197.4/43

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

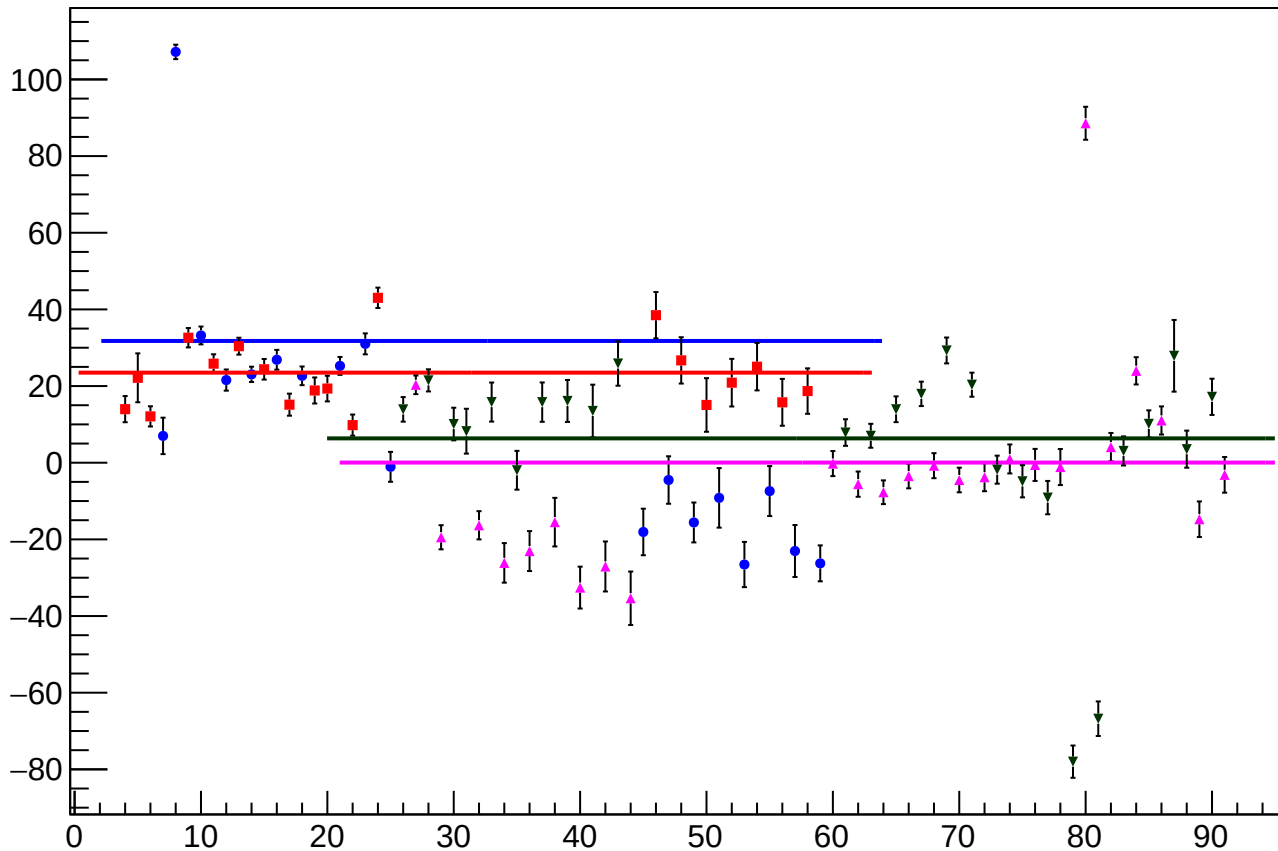
6161.465+/-0.929 χ^2/NDF : 4183217.0/43

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

6226.271+/-0.943 χ^2/NDF : 3788941.2/43

Left In: 7517.937+/-1.467 χ^2/NDF : 1236021.3/24

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

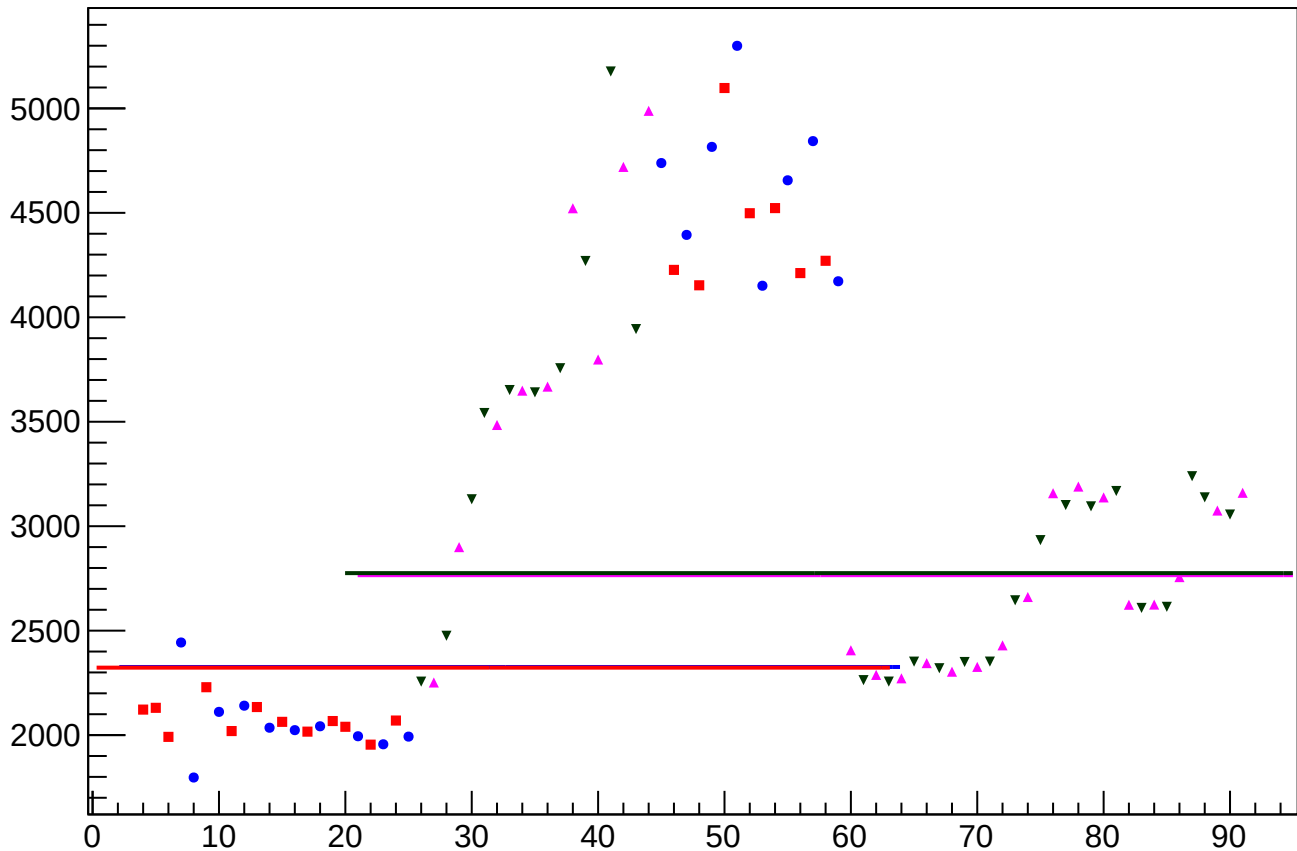
Right Out: 23.500 ± 0.773 χ^2/NDF : 151.3/18

Left In: 0.039 ± 0.763 χ^2/NDF : 760.6/24

19.872 ± 0.540 χ^2/NDF : 3719.5/43

11.618 ± 0.543 χ^2/NDF : 1378.9/43

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

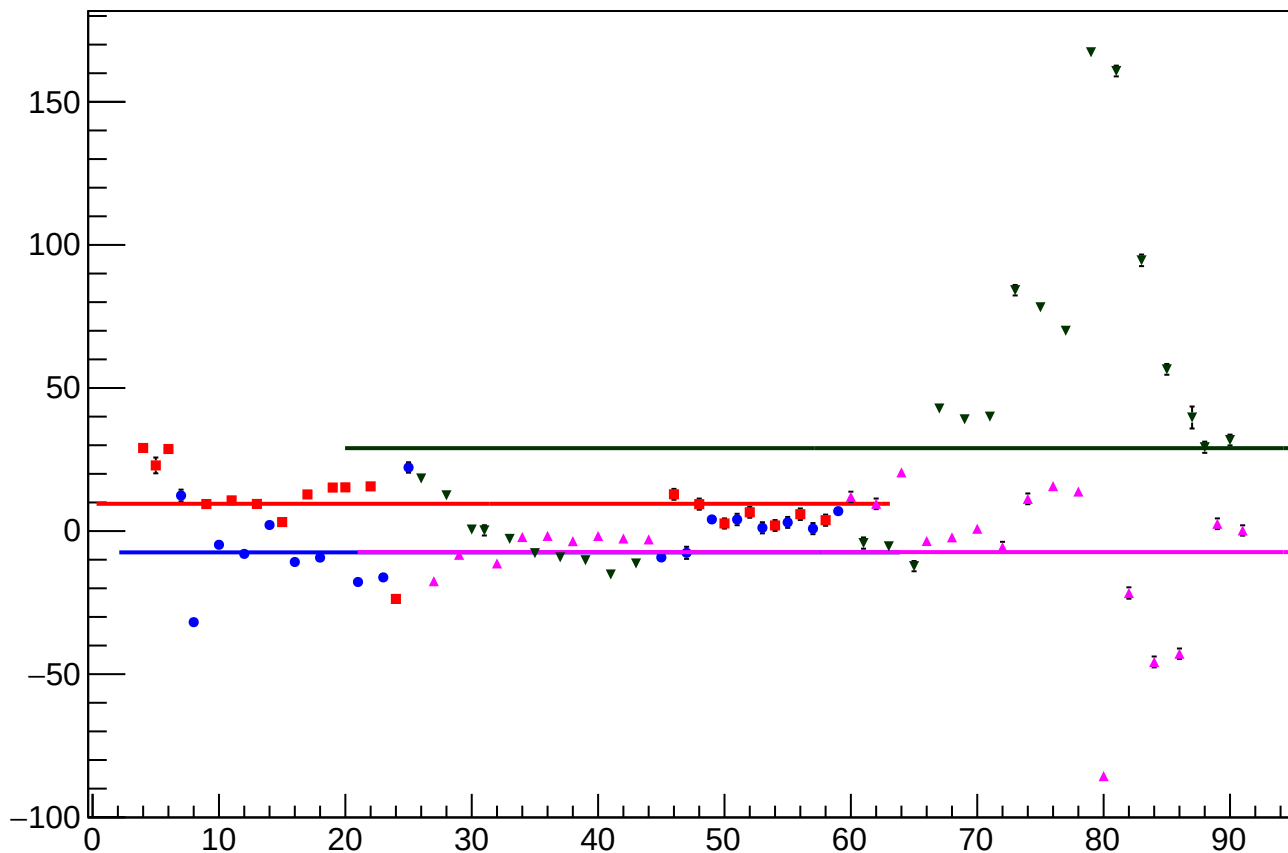
2536.350 $\pm$ 0.382 χ^2 /NDF: 4144109.4/43

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

2547.078 $\pm$ 0.384 χ^2 /NDF: 3364477.8/43

Left In: 2765.541 $\pm$ 0.539 χ^2 /NDF:1221289.7/24

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

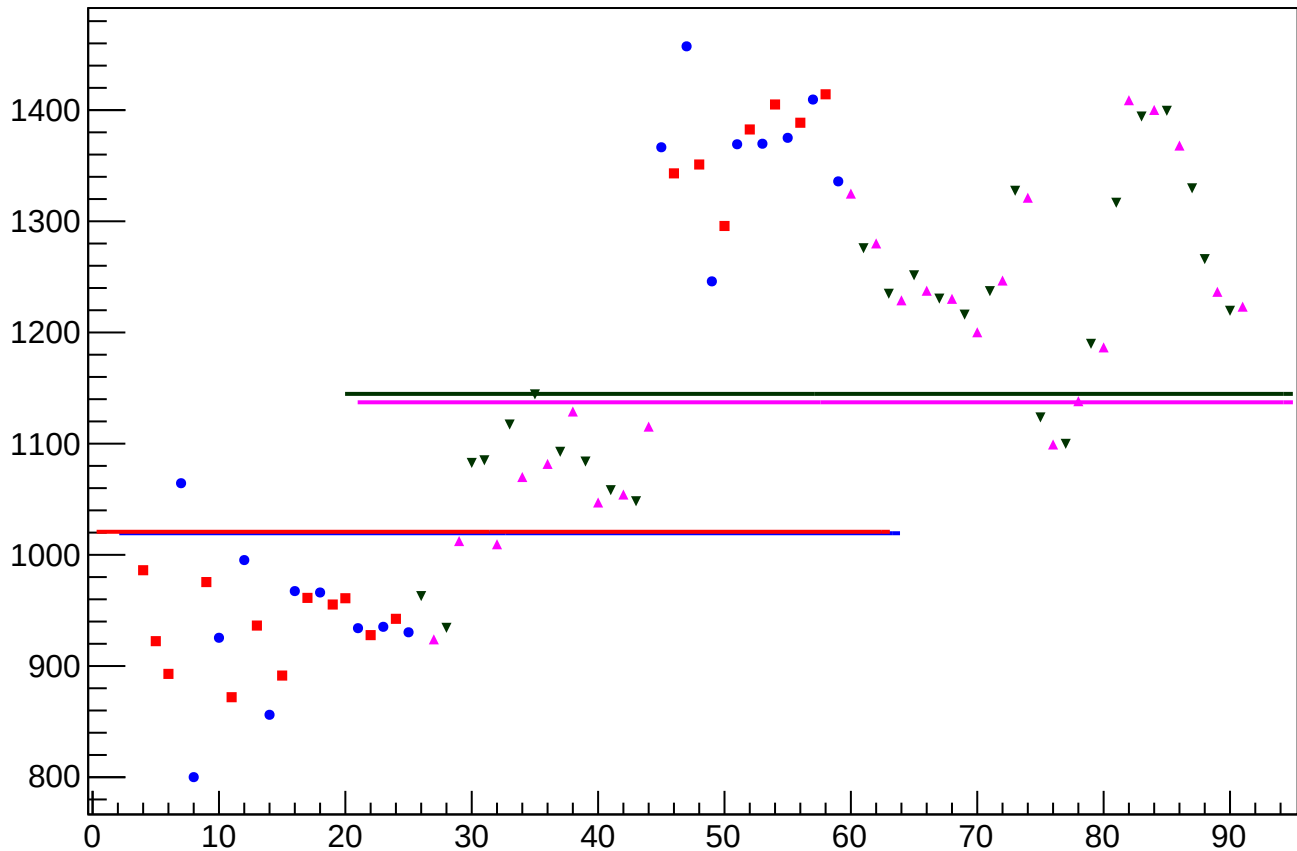
Right Out: 9.540 ± 0.328 χ^2/NDF : 1327.8/18

Left In: -7.347 ± 0.309 χ^2/NDF : 4403.9/24

10.165 ± 0.223 χ^2/NDF : 30847.4/43

0.593 ± 0.225 χ^2/NDF : 7139.2/43

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

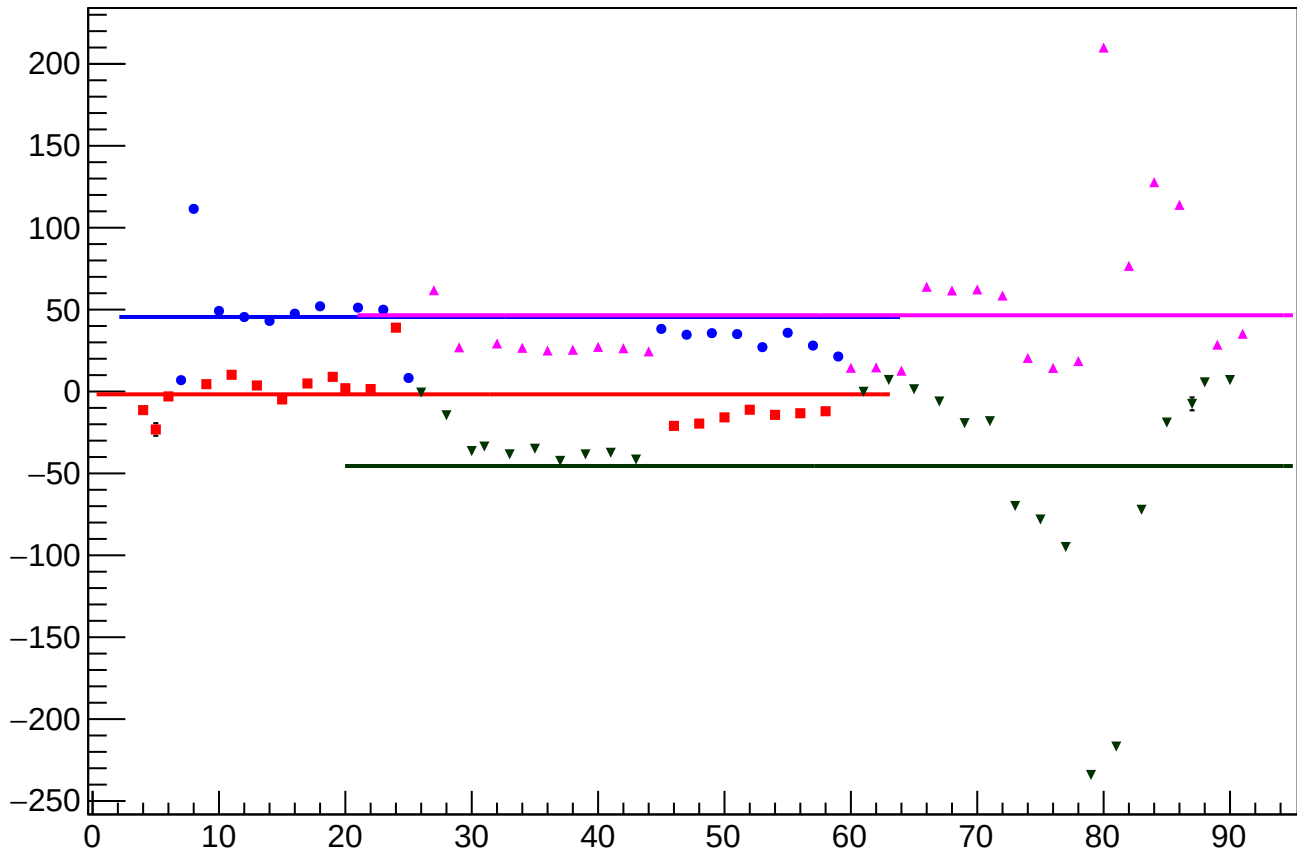
Right Out: 1020.749+/-0.232 χ^2/NDF : 605072.5/18

Left In: 1137.195+/-0.218 χ^2/NDF : 369119.0/24

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

1082.442+/-0.159 χ^2/NDF : 1108048.3/43

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

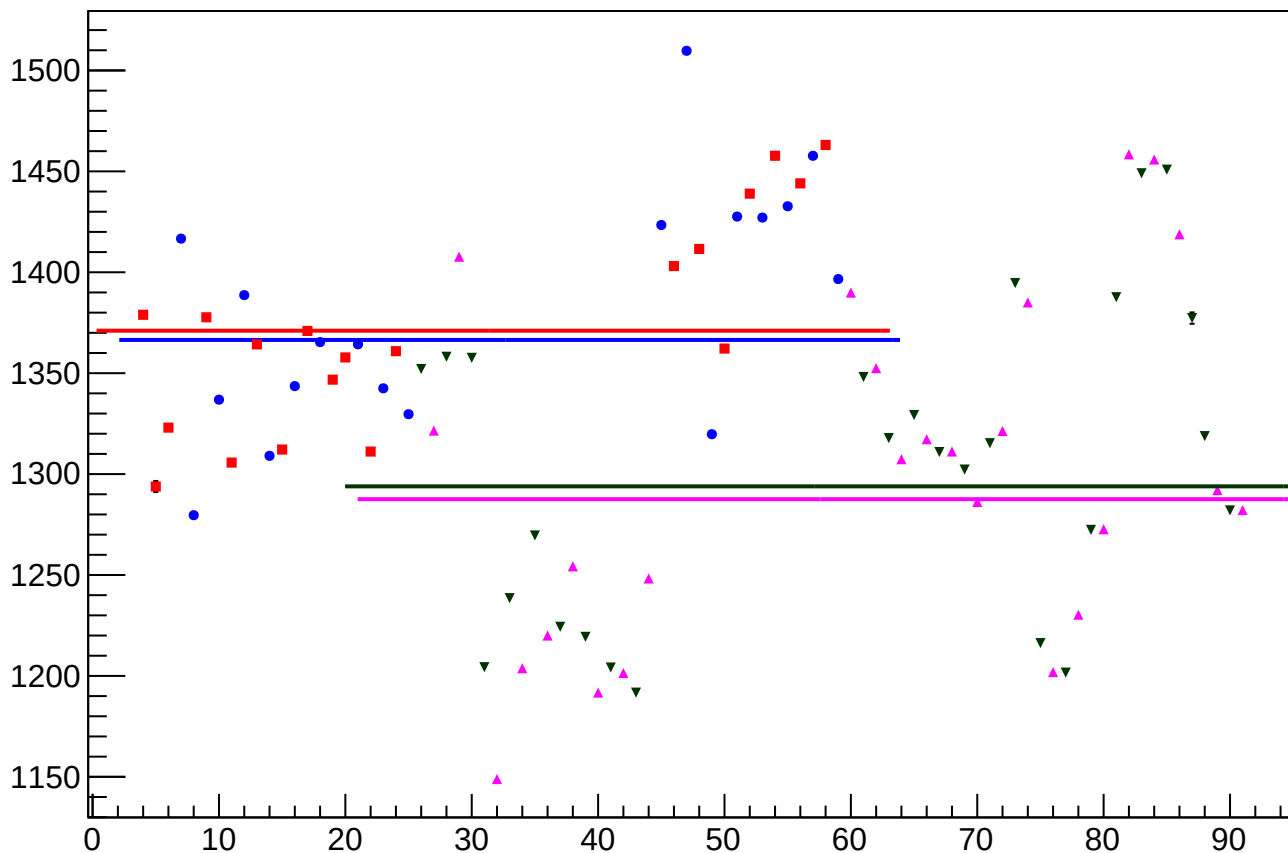
Right Out: -1.724+/-0.434 χ^2/NDF : 1071.7/18

Left In: 46.561+/-0.348 χ^2/NDF : 15437.4/24

-5.583+/-0.270 χ^2/NDF : 57760.6/43

27.682+/-0.271 χ^2/NDF : 24049.4/43

diff_bpm2i01Y_rms vs slug



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

Left Out: 1293.923 $\pm$ 0.255 χ^2 /NDF:83567.5/25

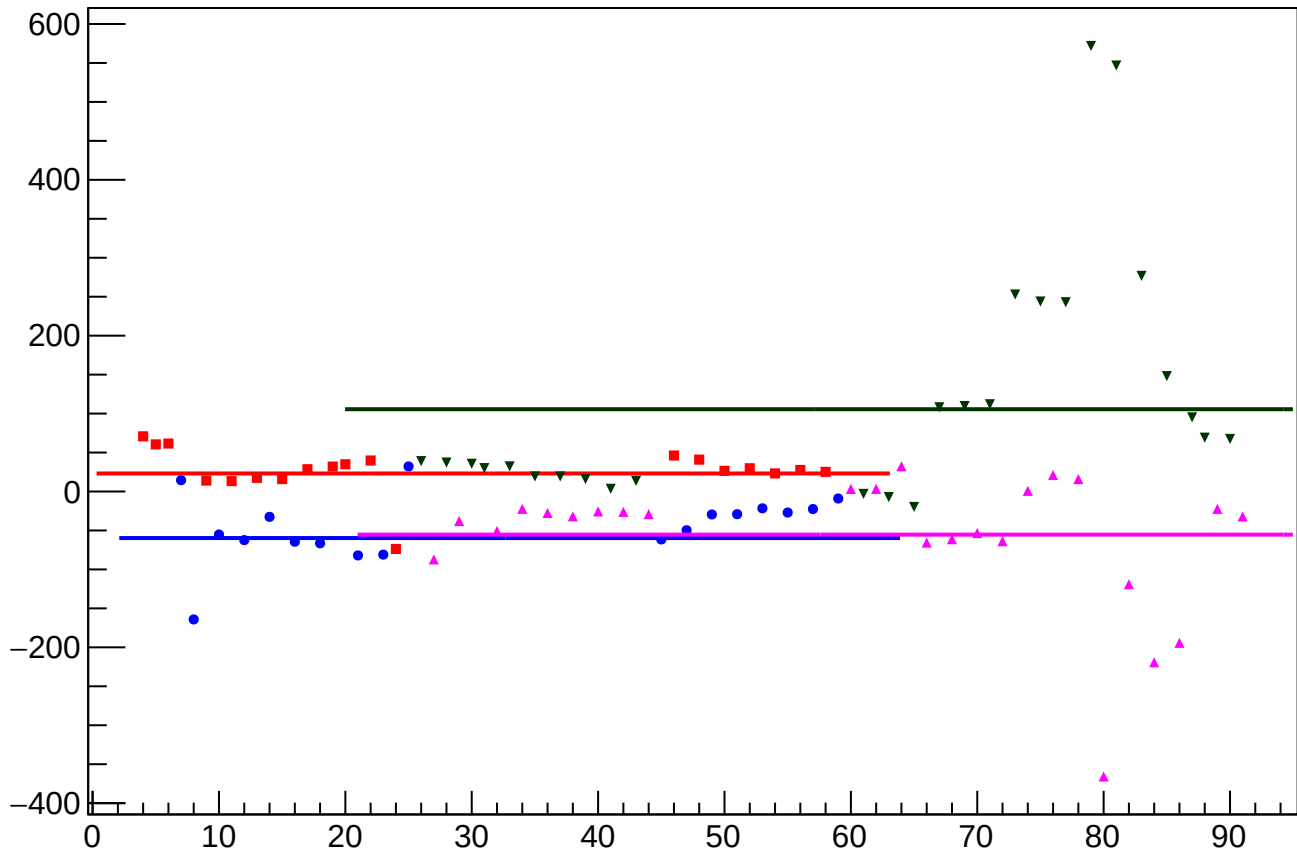
Right Out: 1371.055 $\pm$ 0.307 χ^2 /NDF: 24860.5/18

Left In: 1287.570 $\pm$ 0.246 χ^2 /NDF:121697.9/24

1325.734 $\pm$ 0.191 χ^2 /NDF: 157722.2/43

1320.211 $\pm$ 0.192 χ^2 /NDF: 191642.5/43

diff_bpm2i02X_mean vs slug



Right In: -59.738 $\pm$ 0.343 χ^2 /NDF: 18760.8/17

Left Out: 105.605 $\pm$ 0.333 χ^2 /NDF: 198722.7/25

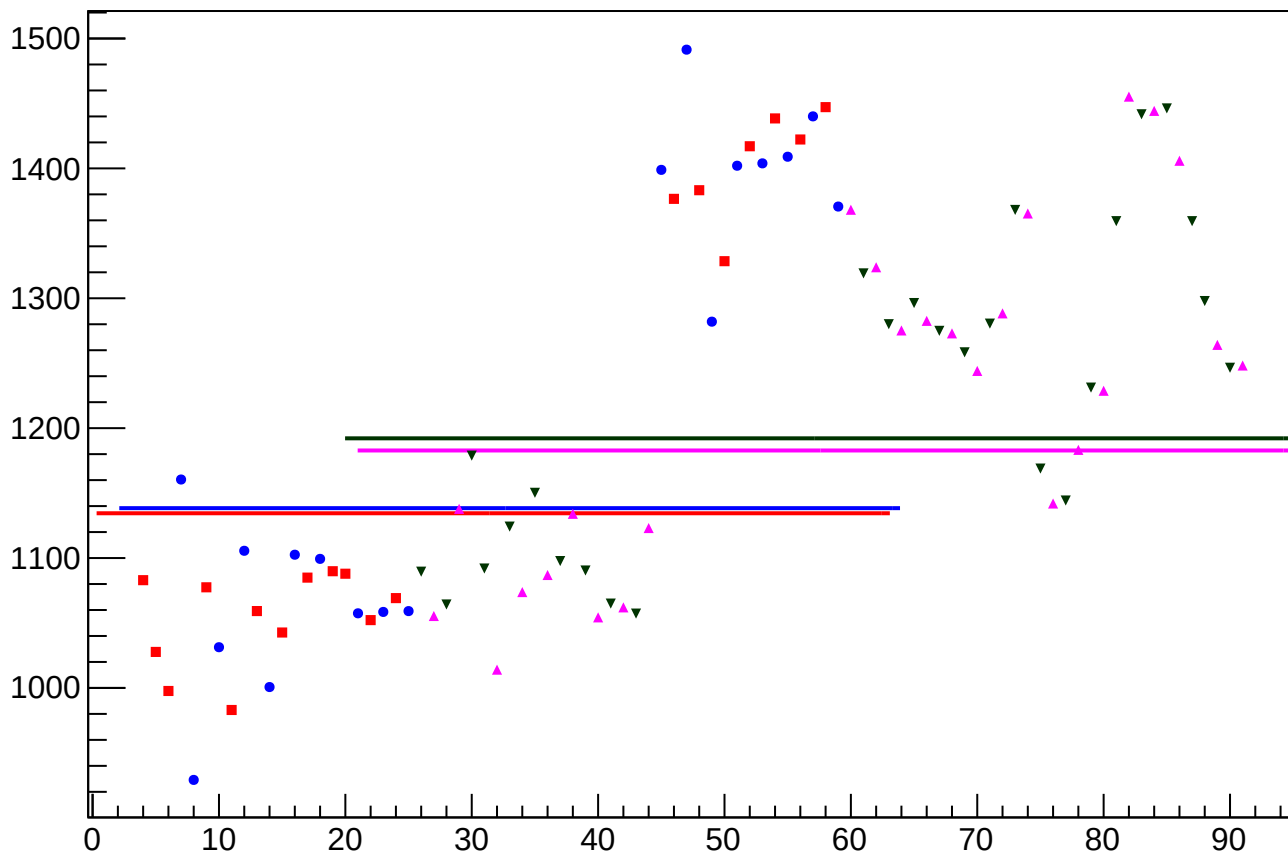
Right Out: 23.126 $\pm$ 0.362 χ^2 /NDF: 7355.2/18

Left In: -55.350 $\pm$ 0.321 χ^2 /NDF: 60550.9/24

25.372 $\pm$ 0.239 χ^2 /NDF: 336995.8/43

-20.827 $\pm$ 0.240 χ^2 /NDF: 94256.0/43

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

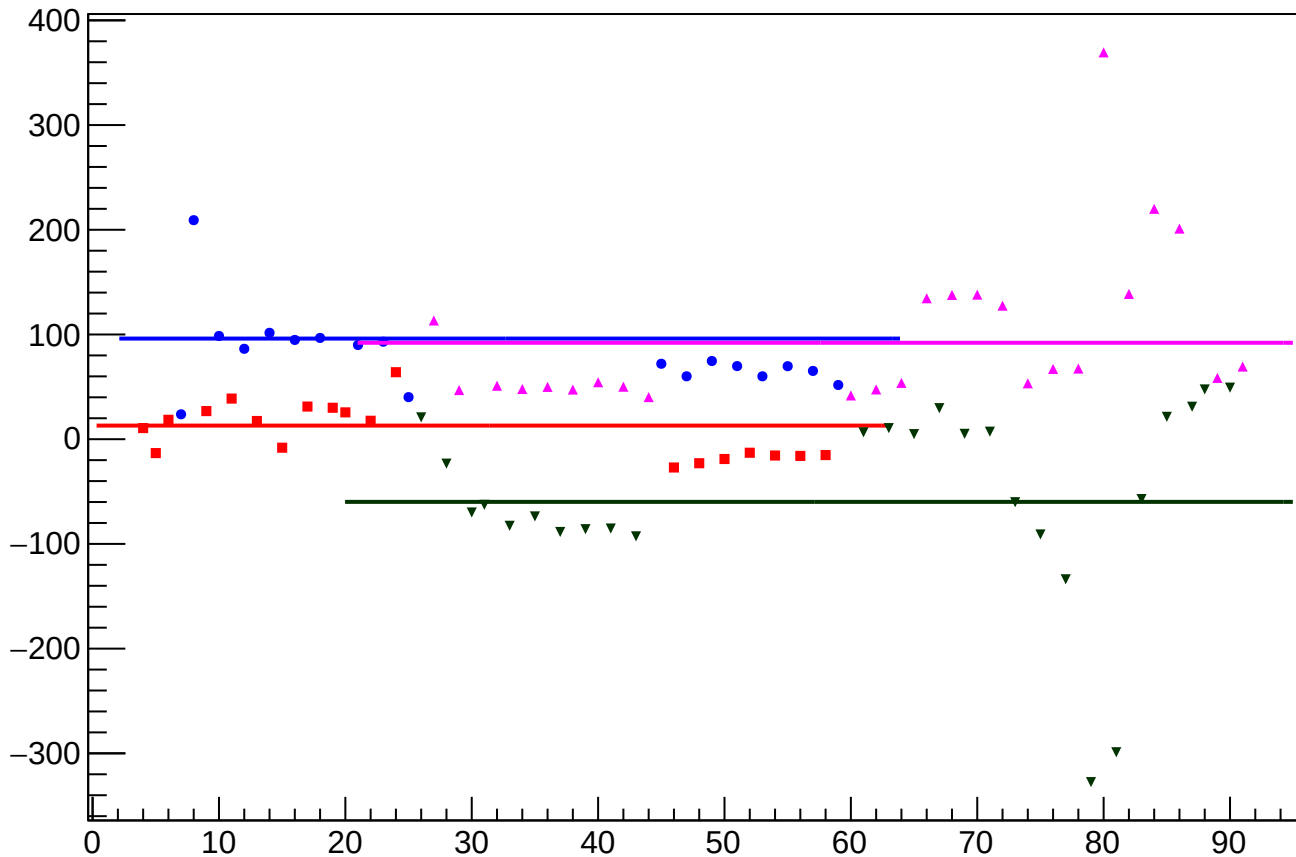
Right Out: 1134.479 $\pm$ 0.256 χ^2 /NDF: 360721.2/18

Left In: 1182.818 $\pm$ 0.227 χ^2 /NDF: 310840.4/24

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

1161.553 $\pm$ 0.170 χ^2 /NDF: 691557.6/43

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

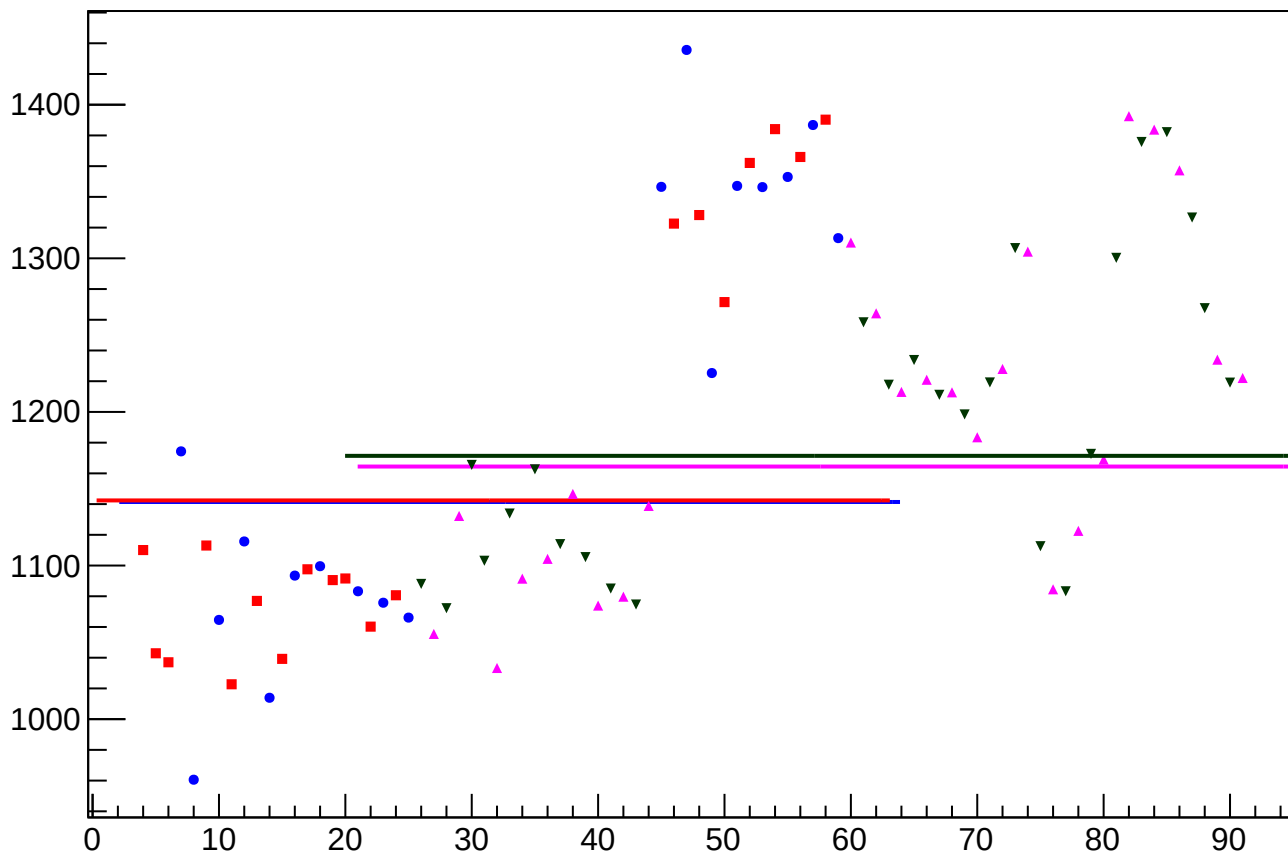
Right Out: 12.992 $\pm$ 0.363 χ^2 /NDF: 4541.3/18

Left In: 92.075 $\pm$ 0.315 χ^2 /NDF: 52518.3/24

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

58.134 $\pm$ 0.238 χ^2 /NDF: 84113.5/43

diff_bpm2i02Y_rms vs slug



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

Left Out: 1171.413+/-0.231 χ^2/NDF :142337.2/25

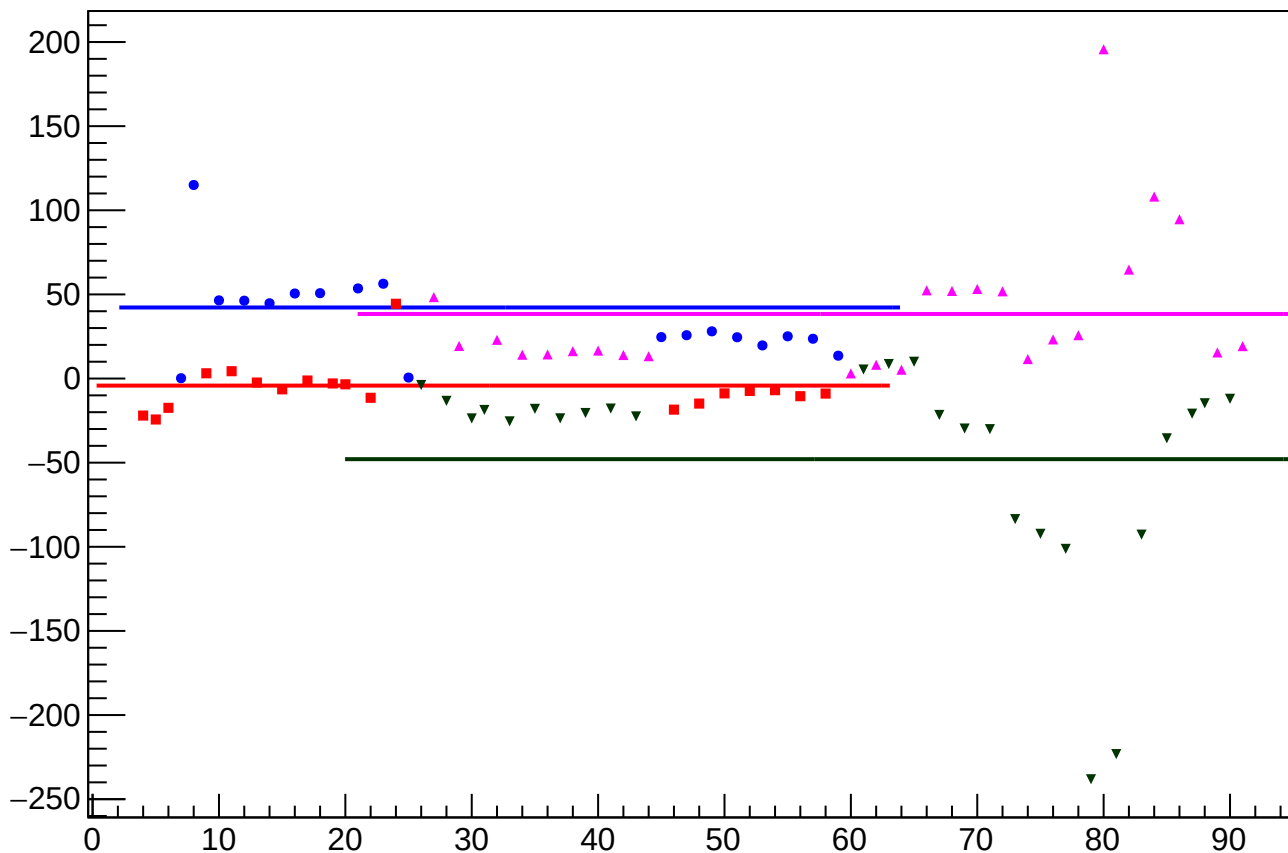
Right Out: 1142.390+/-0.257 χ^2/NDF : 236212.3/18

Left In: 1164.451+/-0.223 χ^2/NDF :198724.1/24

1157.117+/-0.167 χ^2/NDF : 479684.5/43

1154.983+/-0.168 χ^2/NDF : 439147.2/43

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

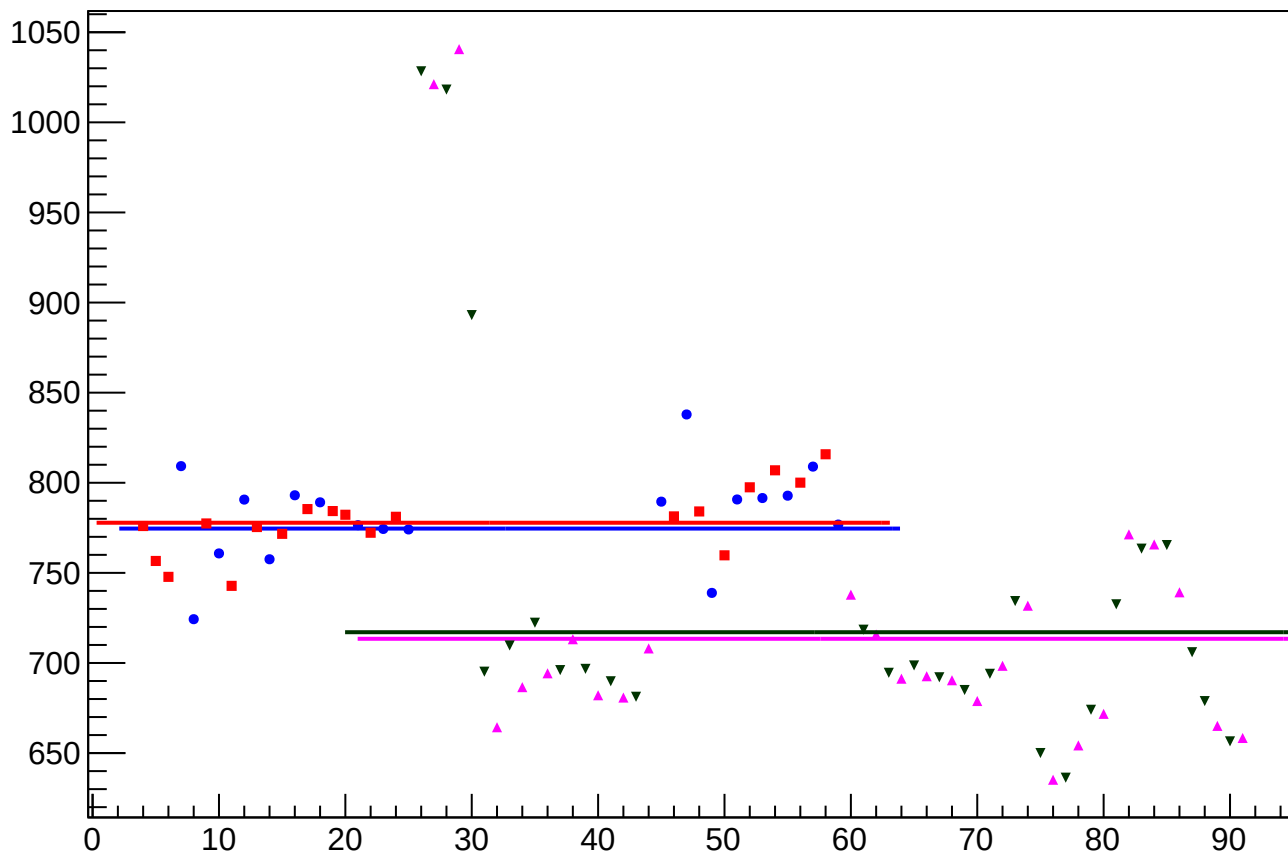
Right Out: -4.198+/-0.246 χ^2/NDF : 3378.3/18

Left In: 38.372+/-0.194 χ^2/NDF : 48147.6/24

-9.100+/-0.152 χ^2/NDF : 201780.5/43

22.072+/-0.152 χ^2/NDF : 70039.1/43

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

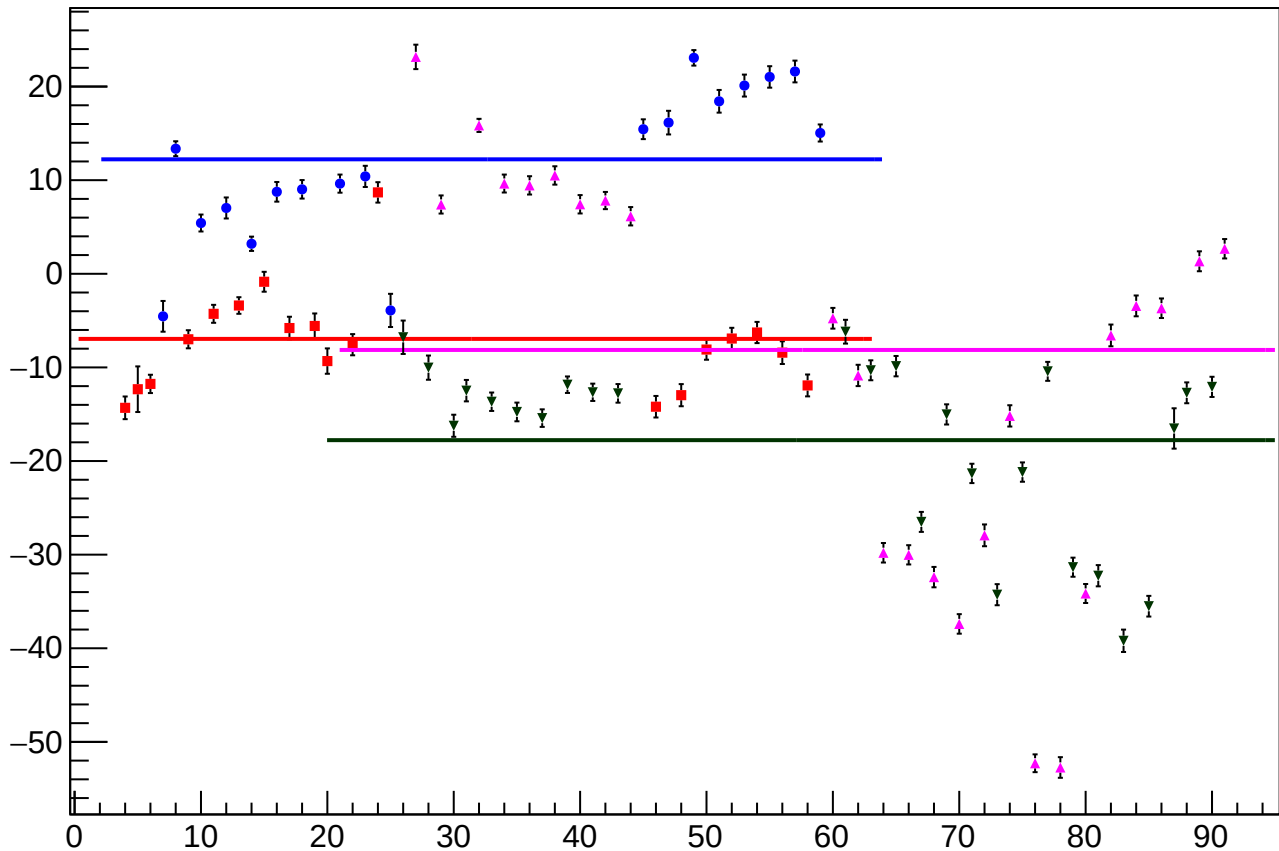
Right Out: 777.816+/-0.174 χ^2/NDF : 11180.5/18

Left In: 713.423+/-0.137 χ^2/NDF : 400817.1/24

741.839+/-0.107 χ^2/NDF : 423247.5/43

738.079+/-0.108 χ^2/NDF : 496719.9/43

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

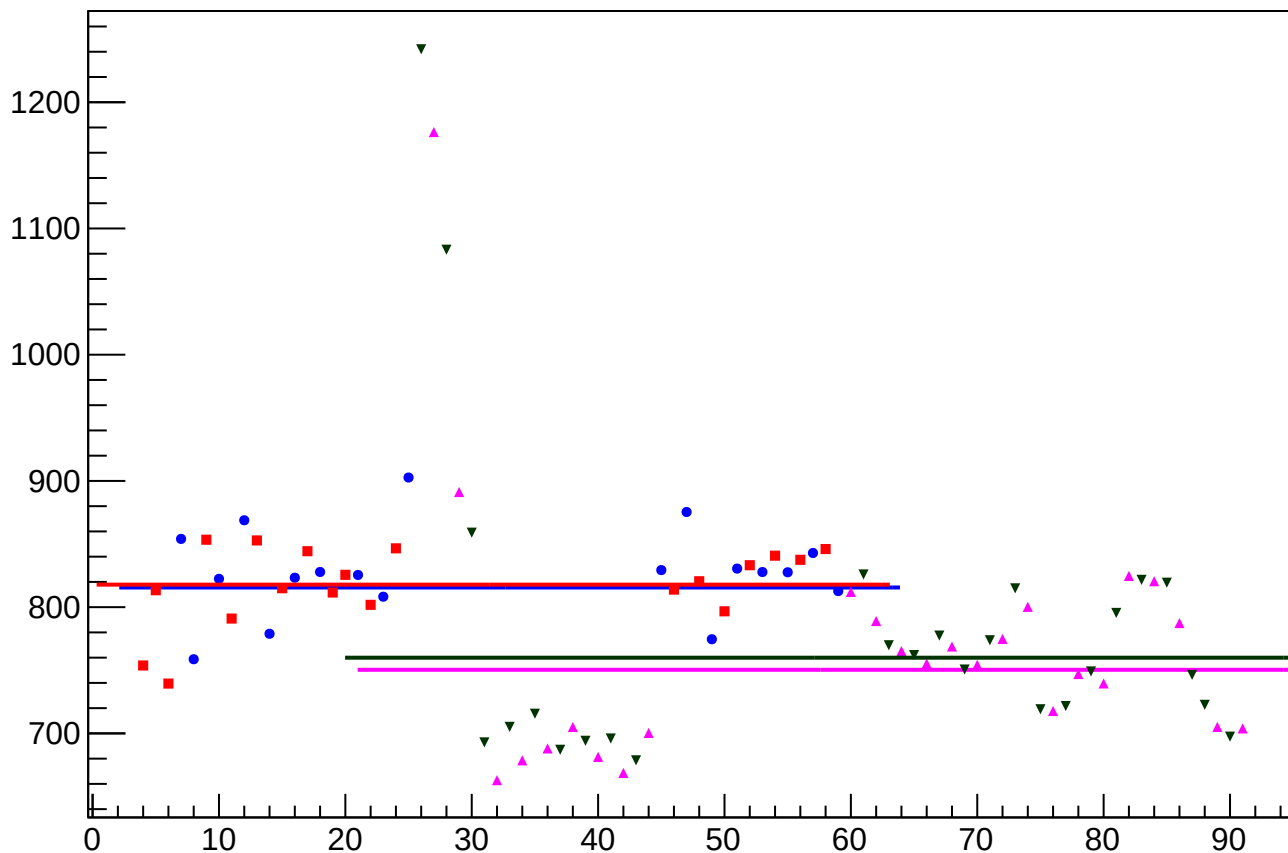
Right Out: -6.954 $\pm$ 0.259 χ^2 /NDF: 420.8/18

Left In: -8.134 $\pm$ 0.204 χ^2 /NDF: 10985.9/24

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

-7.682 $\pm$ 0.160 χ^2 /NDF: 11419.4/43

diff_bpm1i04Y_rms vs slug



Right In: 815.575 $\pm$ 0.172 χ^2 /NDF: 37644.6/17

Left Out: 759.964 $\pm$ 0.151 χ^2 /NDF: 388033.7/25

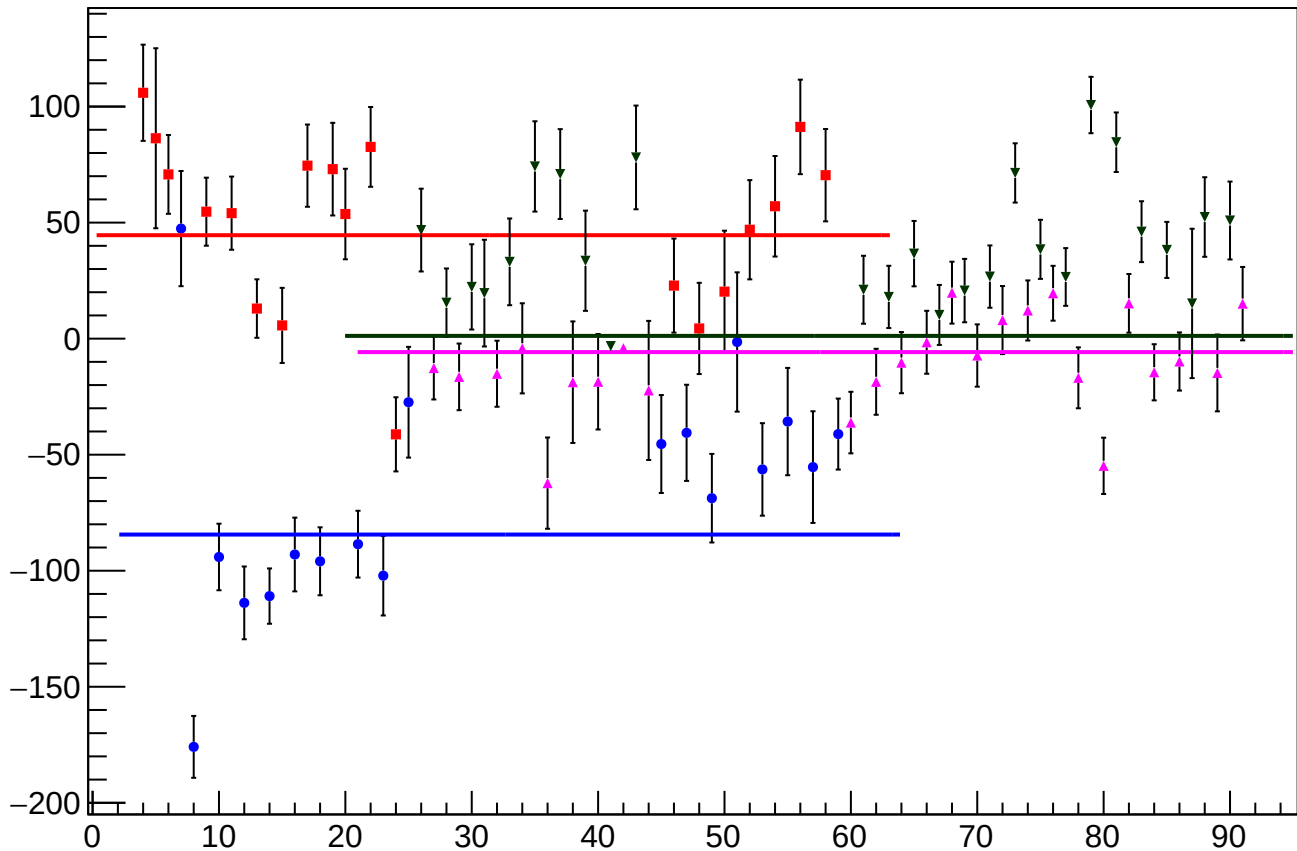
Right Out: 817.840 $\pm$ 0.183 χ^2 /NDF: 32410.2/18

Left In: 750.373 $\pm$ 0.144 χ^2 /NDF: 384170.4/24

784.154 $\pm$ 0.114 χ^2 /NDF: 484615.7/43

776.195 $\pm$ 0.113 χ^2 /NDF: 500315.7/43

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

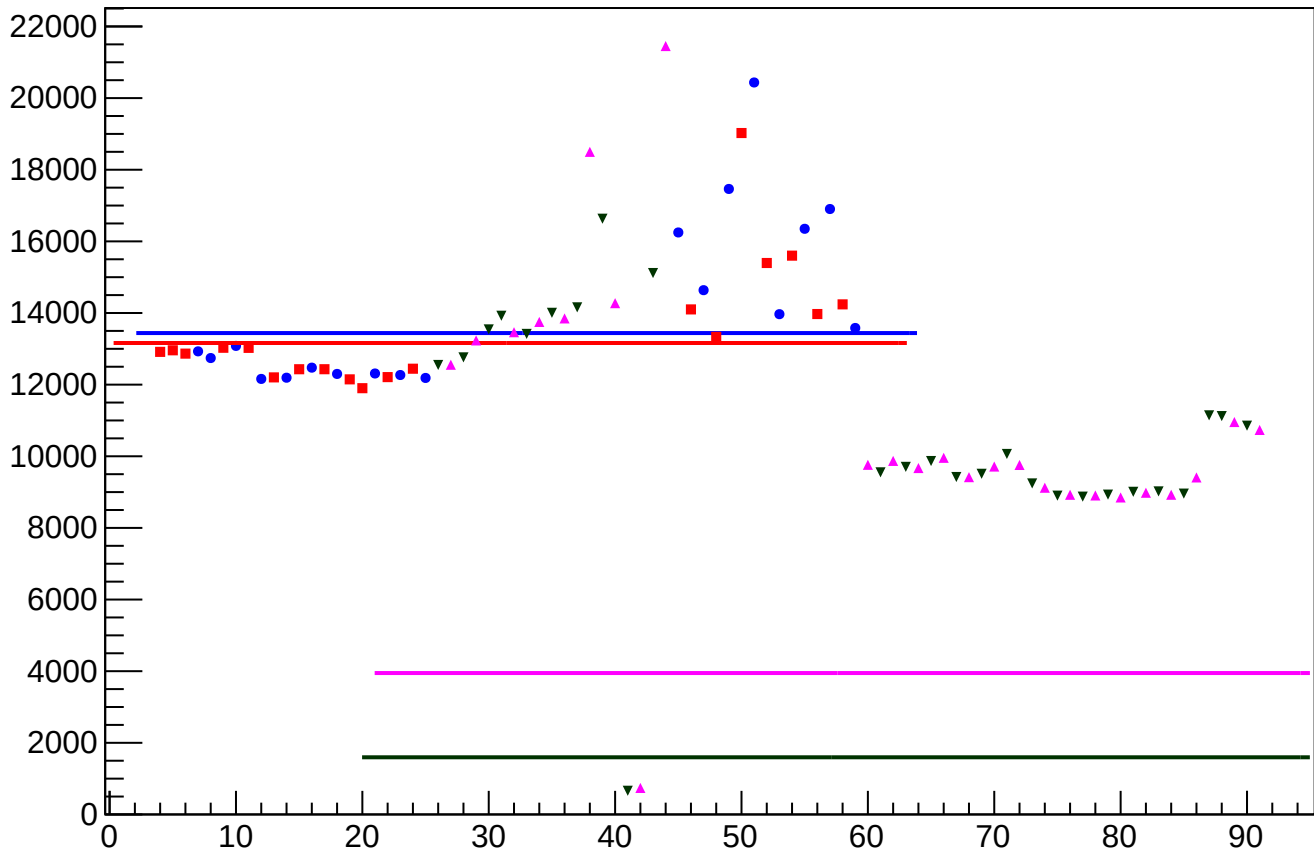
Right Out: 44.573 $\pm$ 4.203 χ^2/NDF : 77.6/18

Left In: -5.795 $\pm$ 1.687 χ^2/NDF : 50.9/24

-3.126 $\pm$ 0.911 χ^2/NDF : 827.1/43

1.196 $\pm$ 1.566 χ^2/NDF : 252.2/43

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

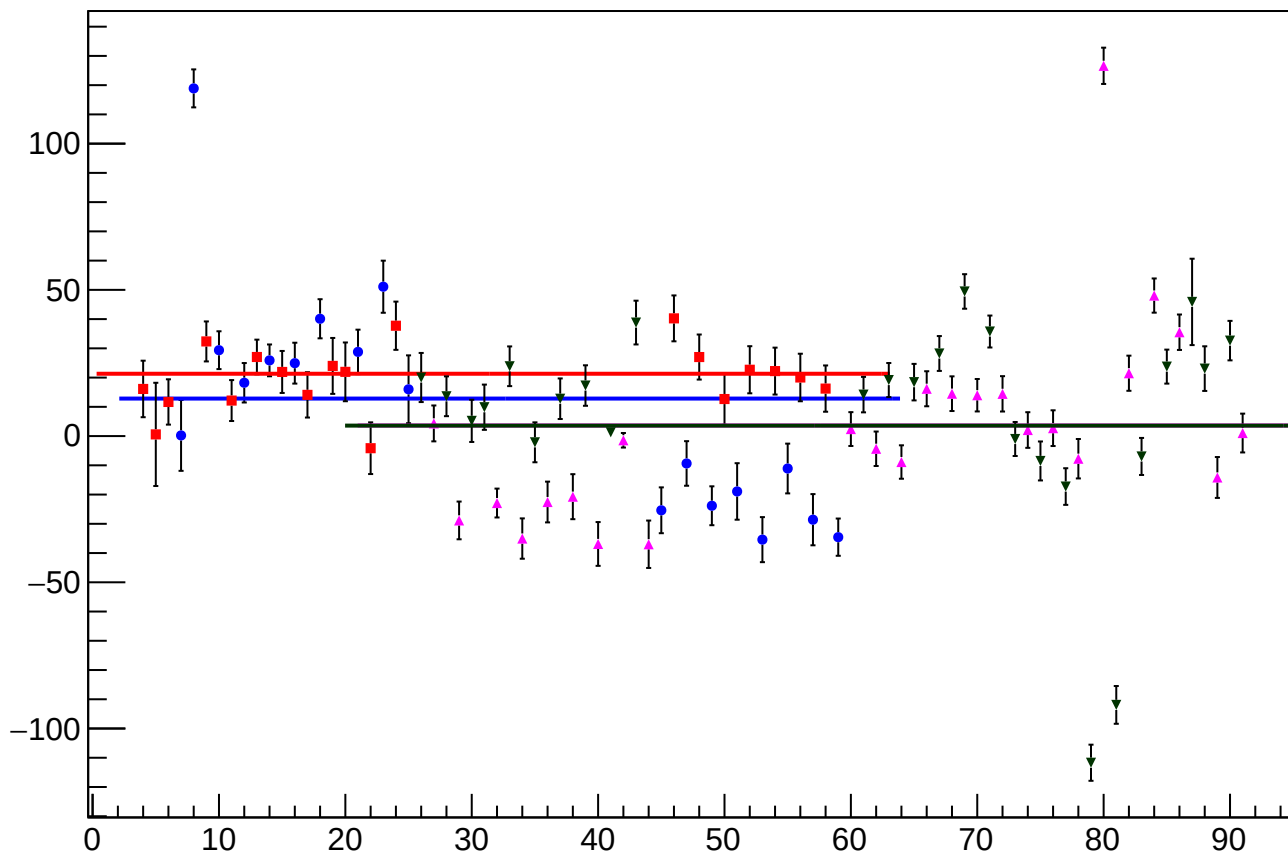
Right Out: 13162.769 $\pm$ 2.972 χ^2 /NDF: 204436.9/18

Left In: 3948.161 $\pm$ 1.193 χ^2 /NDF:15773659.7/24

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

5227.081 $\pm$ 1.107 χ^2 /NDF: 24258540.6/43

diff_bpm0l02Y_mean vs slug



Right In: 12.827+/-1.752 χ^2/NDF : 521.8/17

Left Out: 3.581+/-0.906 χ^2/NDF : 805.9/25

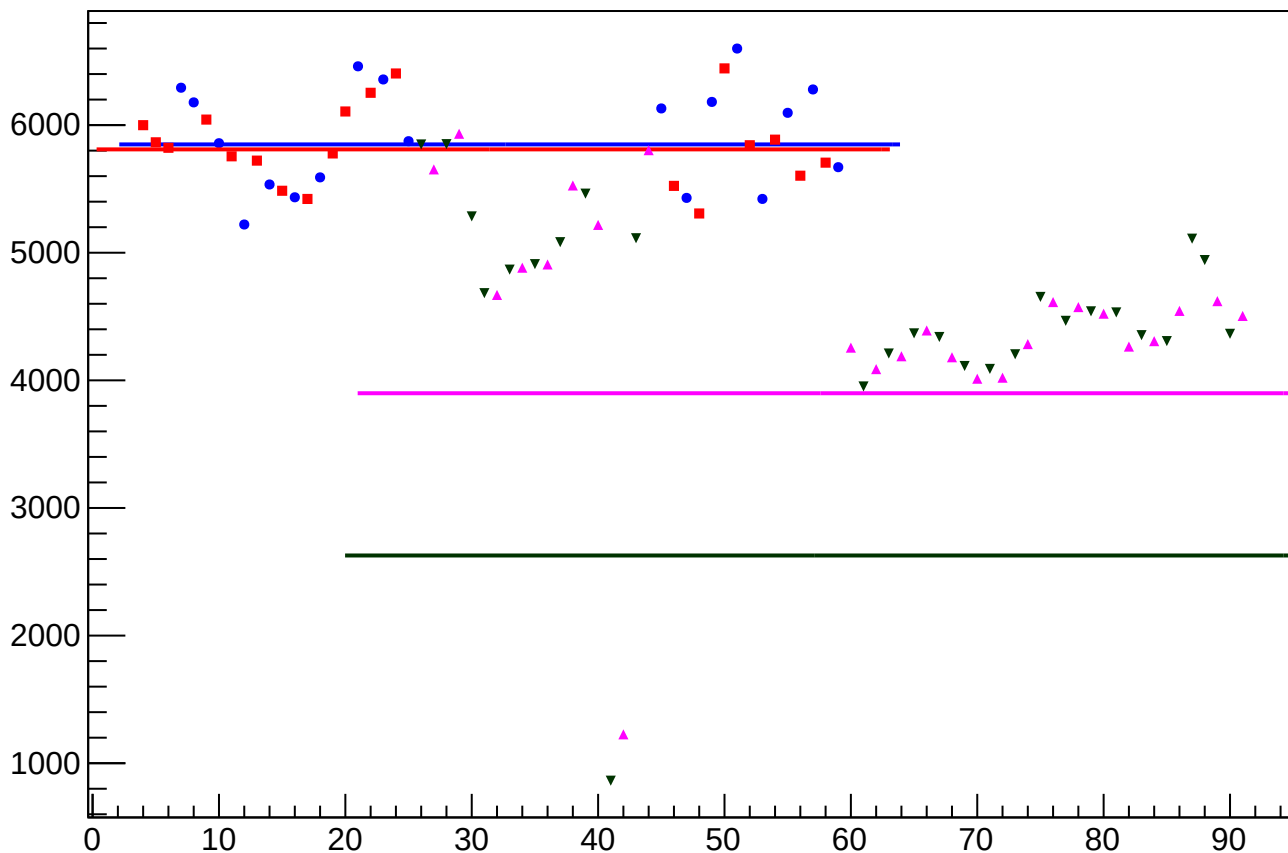
Right Out: 21.314+/-1.847 χ^2/NDF : 29.5/18

Left In: 3.615+/-1.133 χ^2/NDF : 686.2/24

5.532+/-0.805 χ^2/NDF : 1349.7/43

8.454+/-0.966 χ^2/NDF : 782.5/43

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

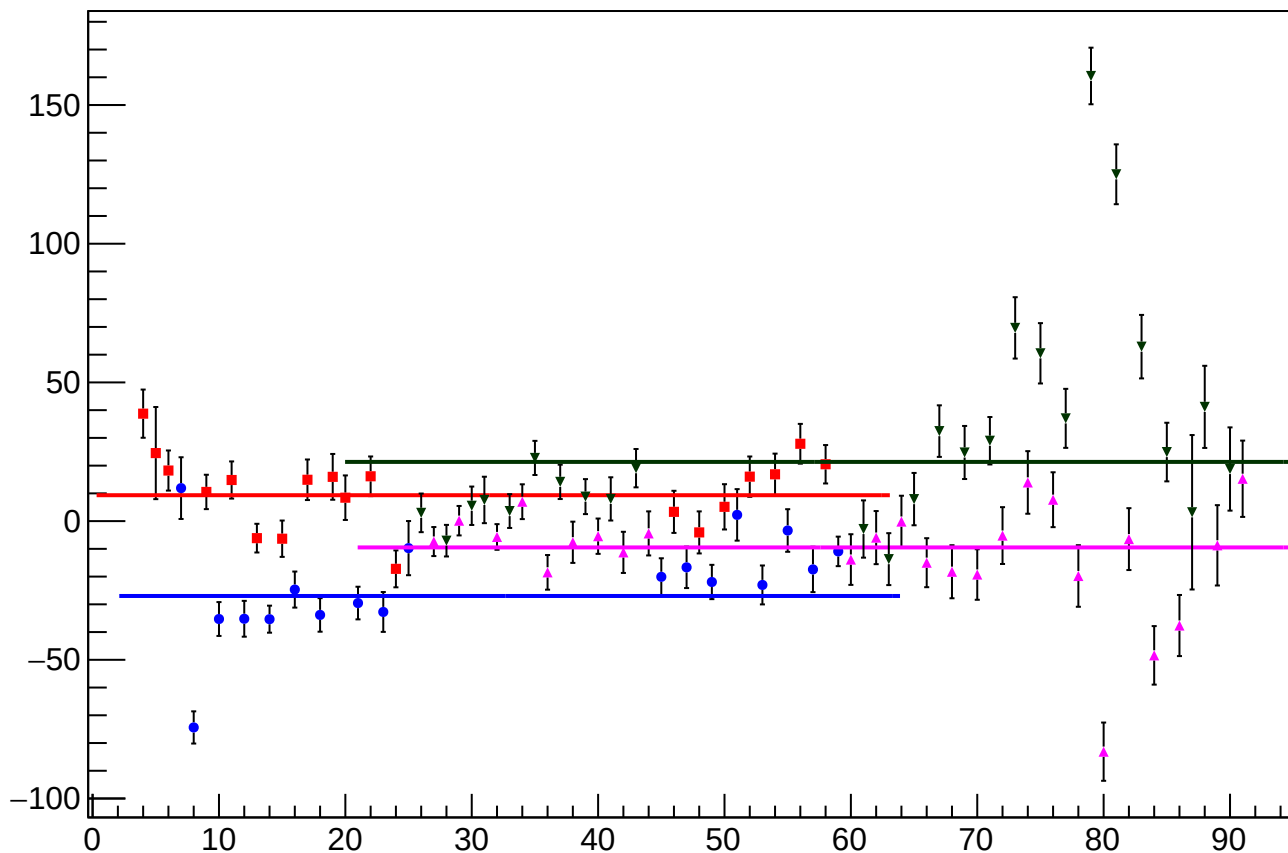
Right Out: 5809.767+/-1.306 χ^2/NDF : 53321.4/18

Left In: 3898.974+/-0.801 χ^2/NDF : 3247511.9/24

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

4421.423+/-0.683 χ^2/NDF : 4856121.4/43

diff_bpm0l03X_mean vs slug



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

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

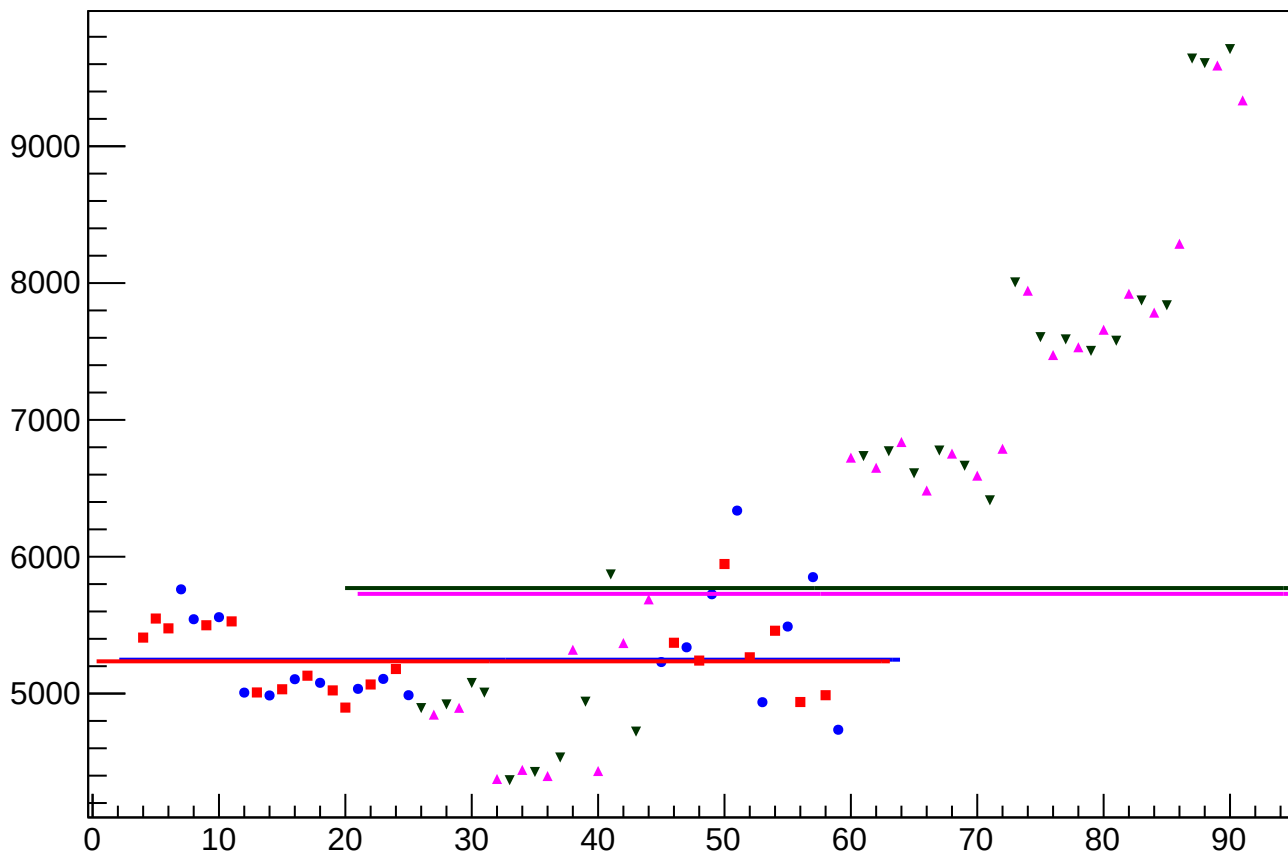
Right Out: 9.337 ± 1.659 $\chi^2/\text{NDF}: 62.4/18$

Left In: -9.486 ± 1.587 $\chi^2/\text{NDF}: 98.8/24$

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

-0.493 ± 1.147 $\chi^2/\text{NDF}: 228.4/43$

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

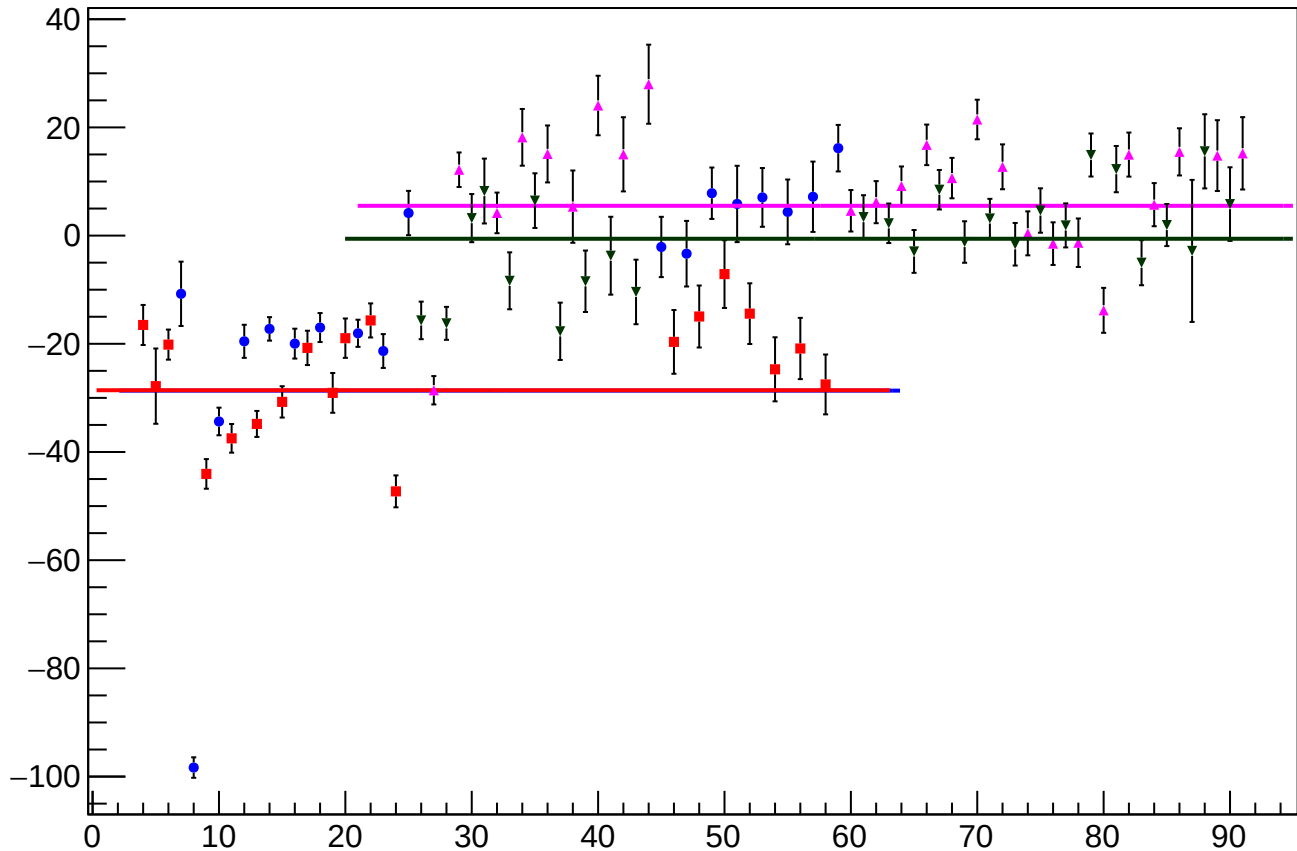
Right Out: 5235.469+/-1.173 χ^2/NDF : 47165.0/18

Left In: 5728.572+/-1.122 χ^2/NDF :1494081.9/24

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

5492.986+/-0.811 χ^2/NDF : 1633466.3/43

diff_bpm0l03Y_mean vs slug



Right In: -28.657 $\pm$ 0.782 χ^2 /NDF: 1857.6/17

Left Out: -0.584 $\pm$ 0.860 χ^2 /NDF:111.0/25

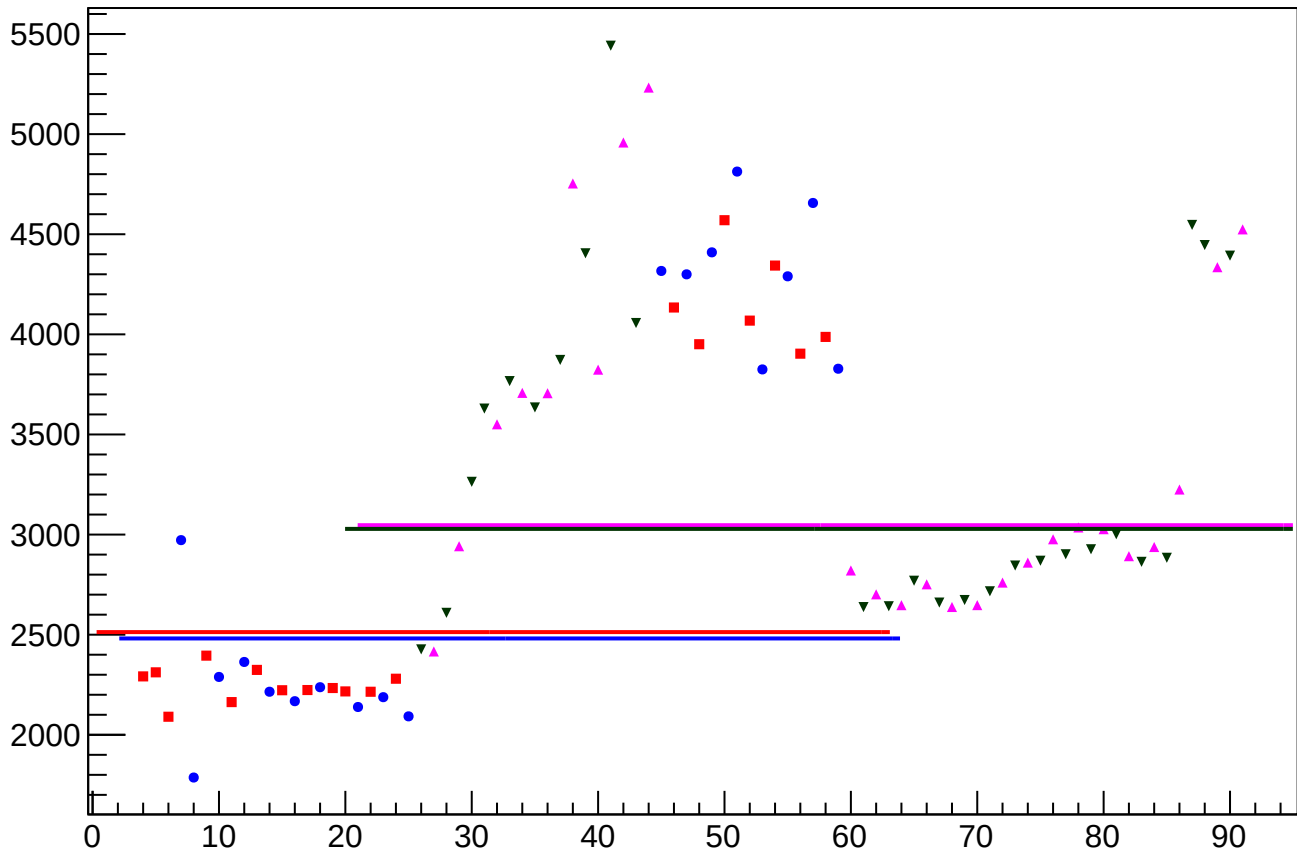
Right Out: -28.584 $\pm$ 0.826 χ^2 /NDF: 168.7/18

Left In: 5.508 $\pm$ 0.838 χ^2 /NDF:283.2/24

-15.951 $\pm$ 0.579 χ^2 /NDF: 2551.8/43

-11.779 $\pm$ 0.588 χ^2 /NDF: 1290.7/43

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

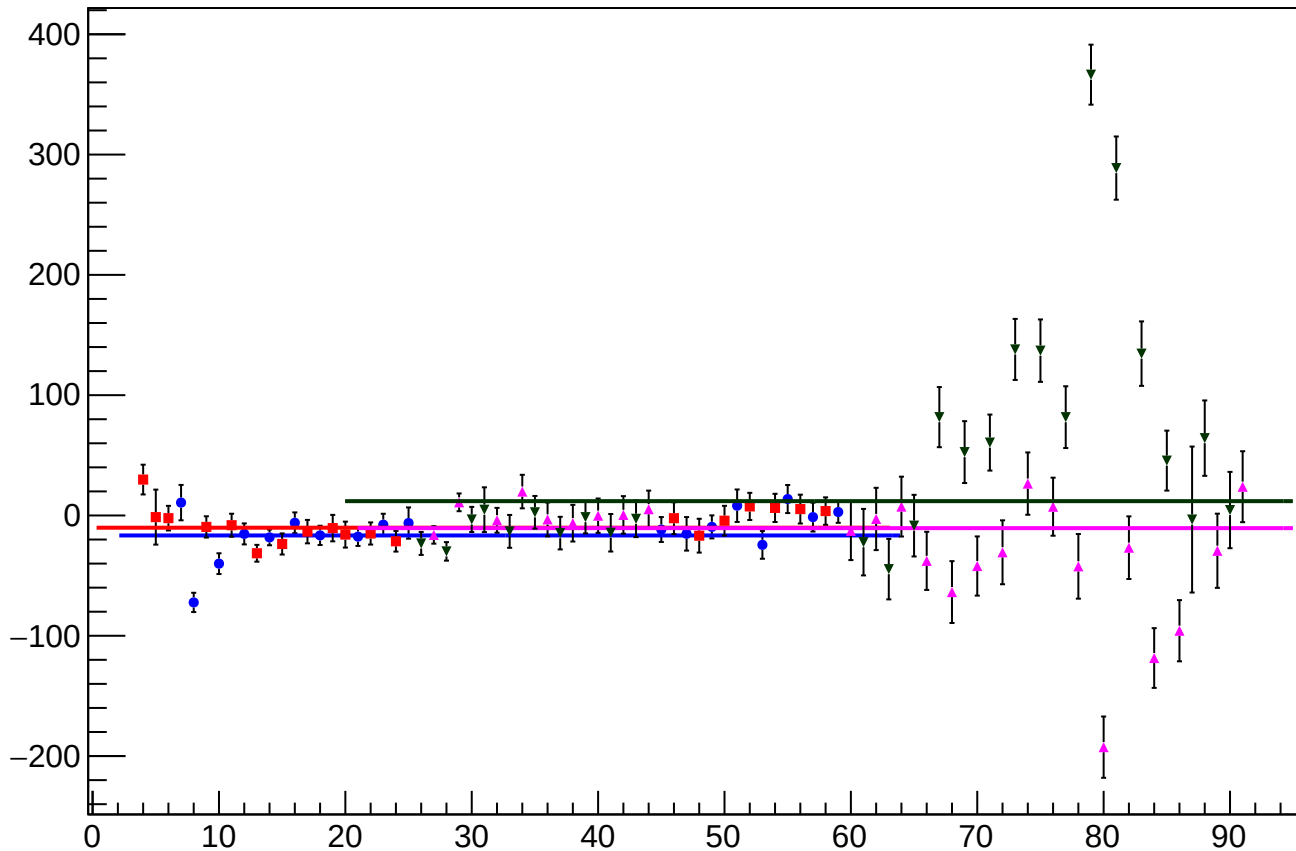
2728.878+/-0.409 χ^2/NDF : 3511149.2/43

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

2776.112+/-0.416 χ^2/NDF : 2736634.3/43

Left In: 3046.840+/-0.593 χ^2/NDF :1026565.5/24

diff_bpm0l04X_mean vs slug



Right In: -16.612 ± 2.242 $\chi^2/\text{NDF}: 79.9/17$

Left Out: 11.905 ± 3.292 $\chi^2/\text{NDF}: 473.9/25$

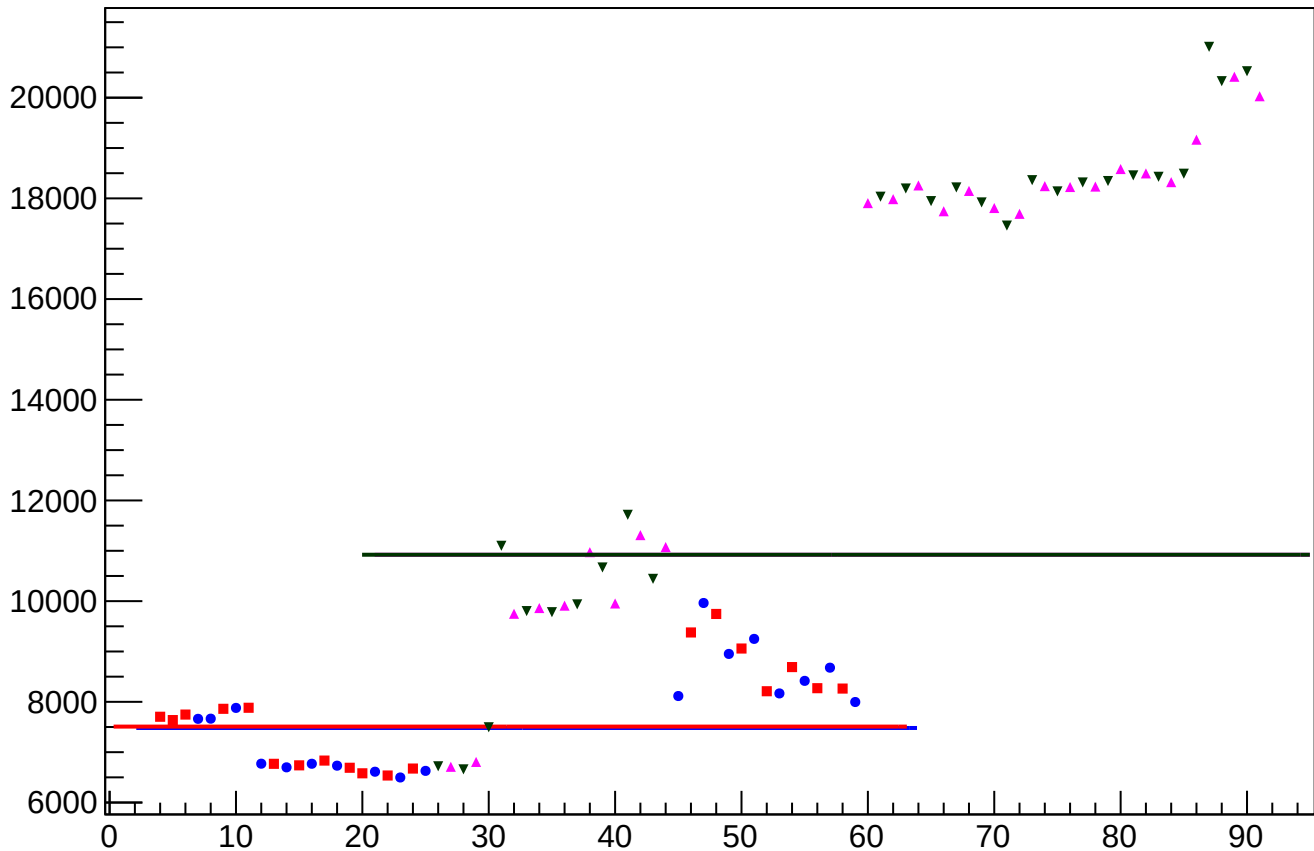
Right Out: -10.172 ± 2.389 $\chi^2/\text{NDF}: 33.7/18$

Left In: -10.537 ± 3.184 $\chi^2/\text{NDF}: 112.3/24$

-7.576 ± 1.853 $\chi^2/\text{NDF}: 605.0/43$

-10.303 ± 1.911 $\chi^2/\text{NDF}: 146.0/43$

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

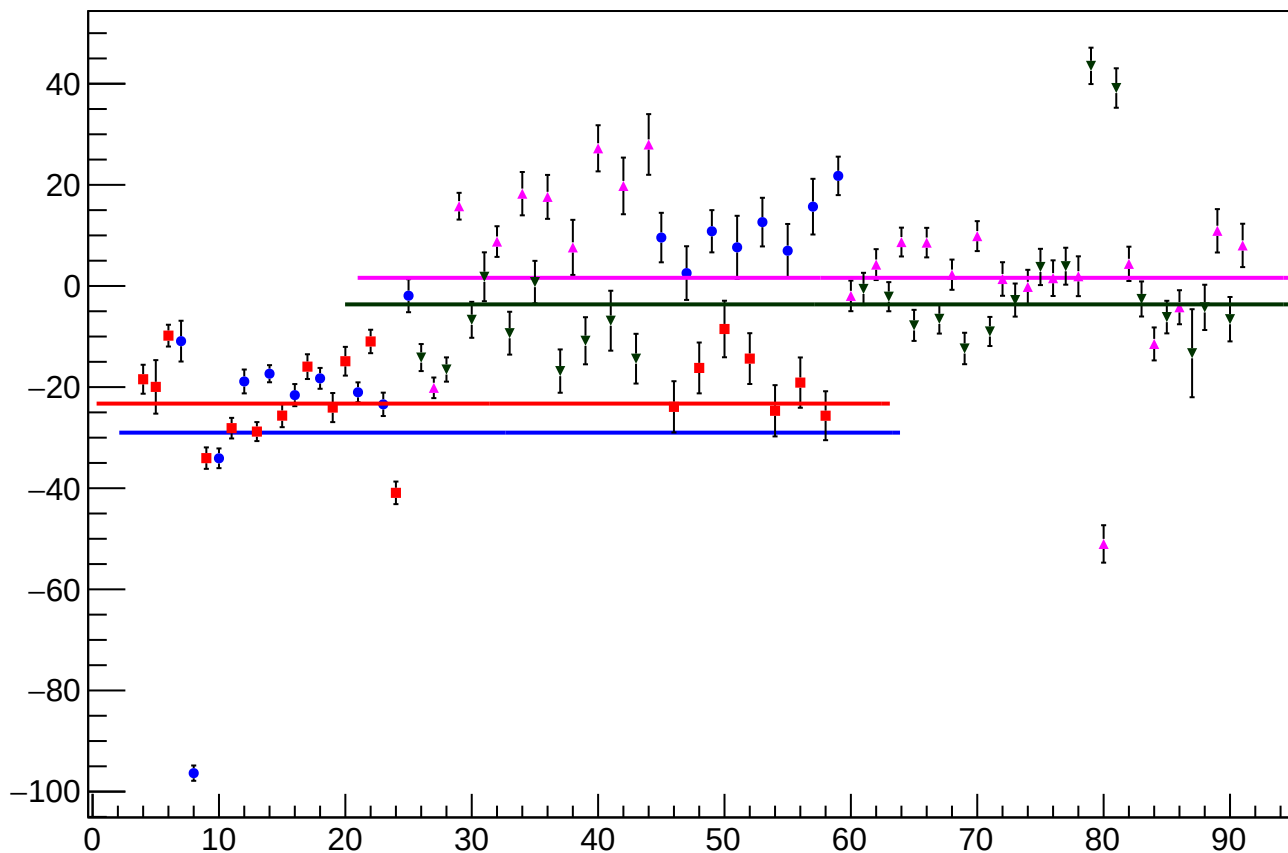
Right Out: 7508.240+/-1.689 χ^2/NDF : 289453.4/18

Left In: 10920.243+/-2.252 χ^2/NDF : 4058177.8/24

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

8737.186+/-1.351 χ^2/NDF : 5816992.2/43

diff_bpm0l04Y_mean vs slug



Right In: -29.007 $\pm$ 0.618 χ^2 /NDF: 2792.0/17

Left Out: -3.640 $\pm$ 0.695 χ^2 /NDF: 384.6/25

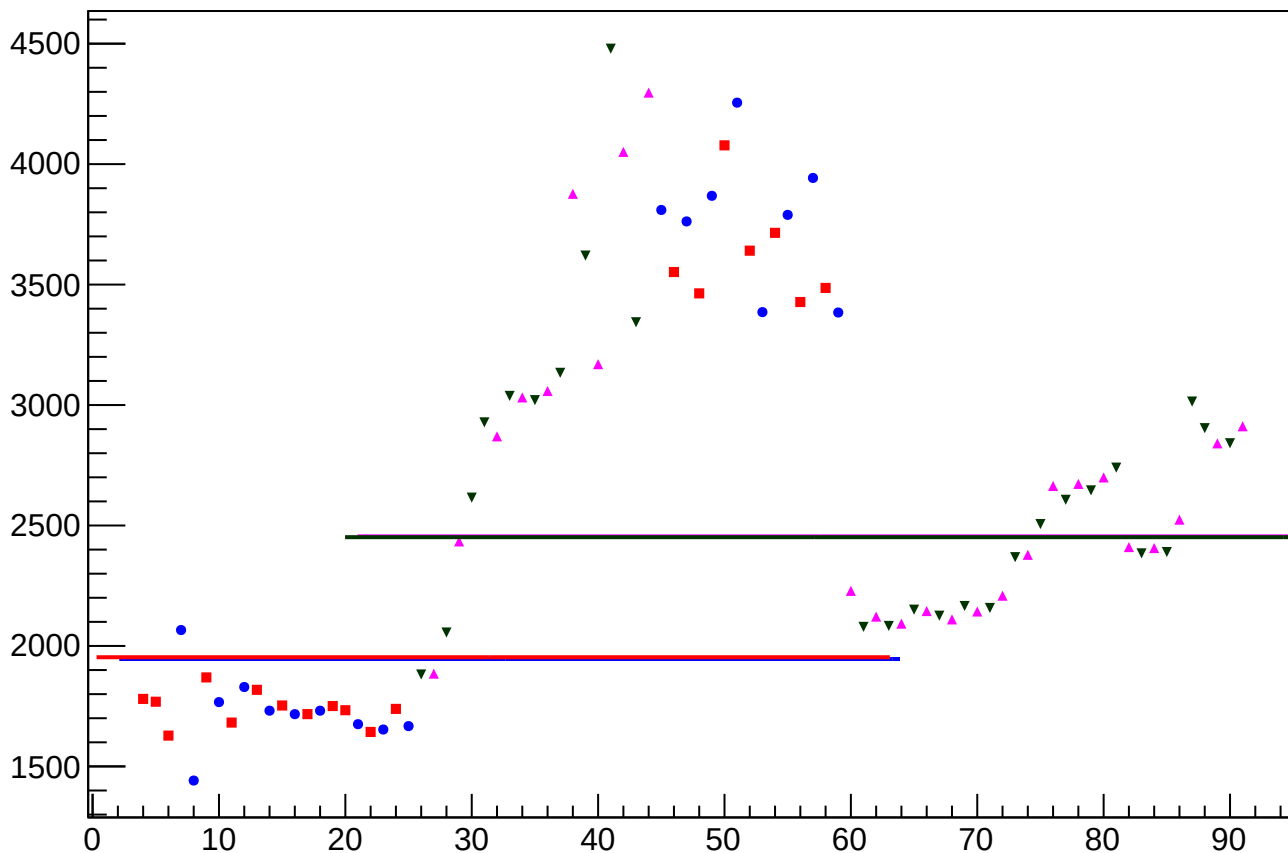
Right Out: -23.263 $\pm$ 0.648 χ^2 /NDF: 204.8/18

Left In: 1.612 $\pm$ 0.675 χ^2 /NDF: 490.4/24

-17.805 $\pm$ 0.462 χ^2 /NDF: 3919.8/43

-11.325 $\pm$ 0.467 χ^2 /NDF: 1402.5/43

diff_bpm0l04Y_rms vs slug



Right In: 1945.876 $\pm$ 0.437 χ^2 /NDF: 2599522.0/17

Left Out: 2451.537 $\pm$ 0.492 χ^2 /NDF:930695.9/25

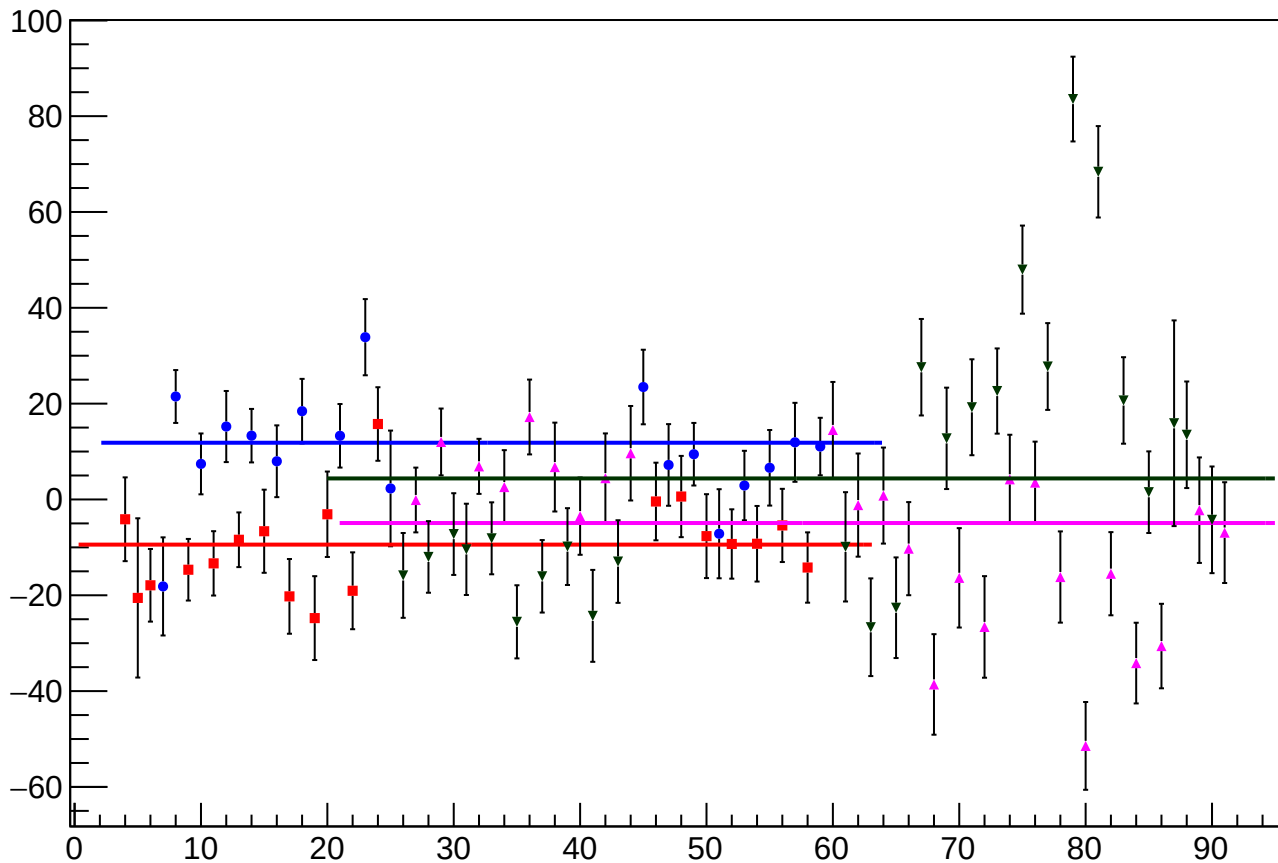
Right Out: 1953.157 $\pm$ 0.458 χ^2 /NDF: 1725858.1/18

Left In: 2455.062 $\pm$ 0.477 χ^2 /NDF:1017824.5/24

2169.165 $\pm$ 0.327 χ^2 /NDF: 4120872.9/43

2194.024 $\pm$ 0.330 χ^2 /NDF: 3319578.9/43

diff_bpm0l05X_mean vs slug



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

Left Out: 4.388 ± 1.803 $\chi^2/\text{NDF}: 244.8/25$

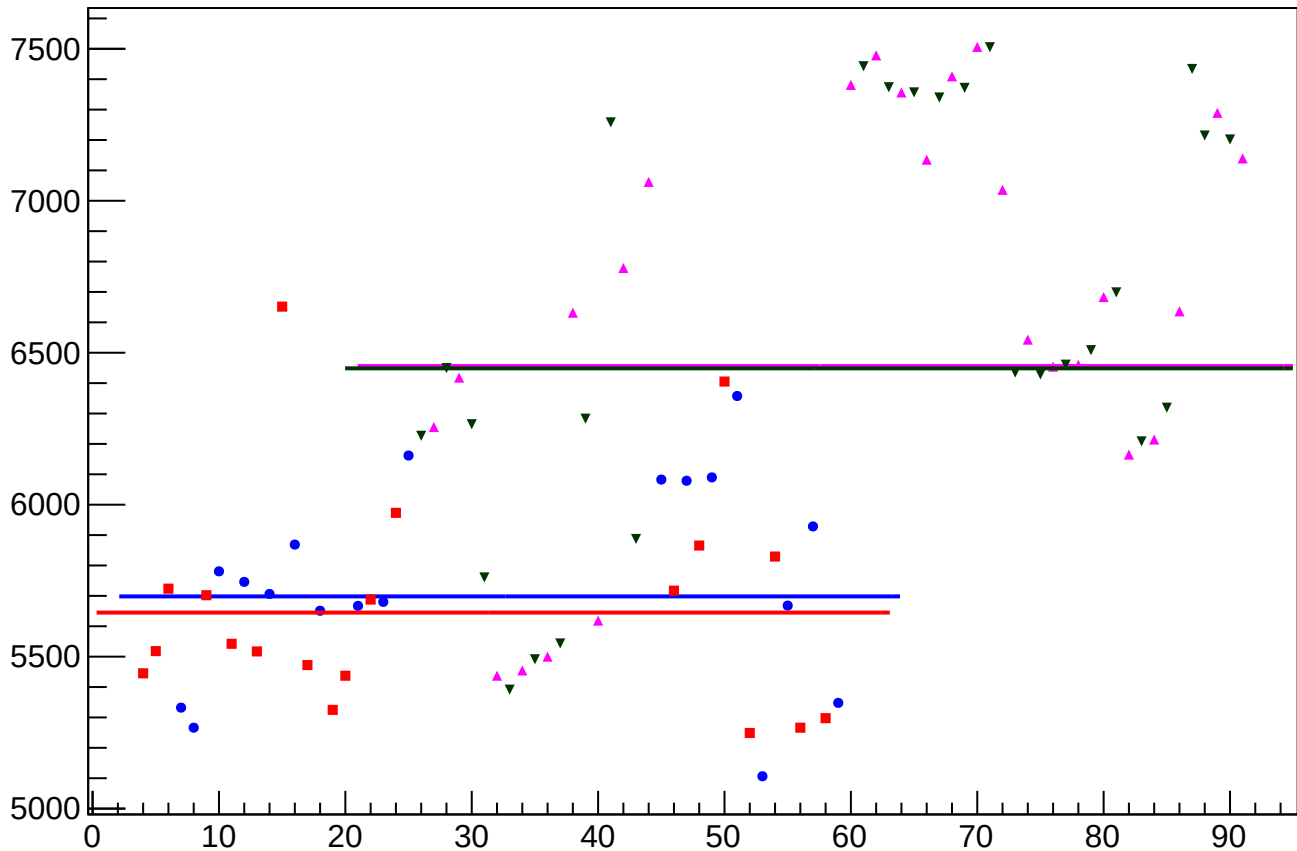
Right Out: -9.425 ± 1.790 $\chi^2/\text{NDF}: 24.3/18$

Left In: -4.918 ± 1.749 $\chi^2/\text{NDF}: 95.9/24$

8.329 ± 1.237 $\chi^2/\text{NDF}: 284.6/43$

-7.119 ± 1.251 $\chi^2/\text{NDF}: 123.4/43$

diff_bpm0l05X_rms vs slug



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

Left Out: 6448.647+/-1.275 χ^2/NDF : 261906.2/25

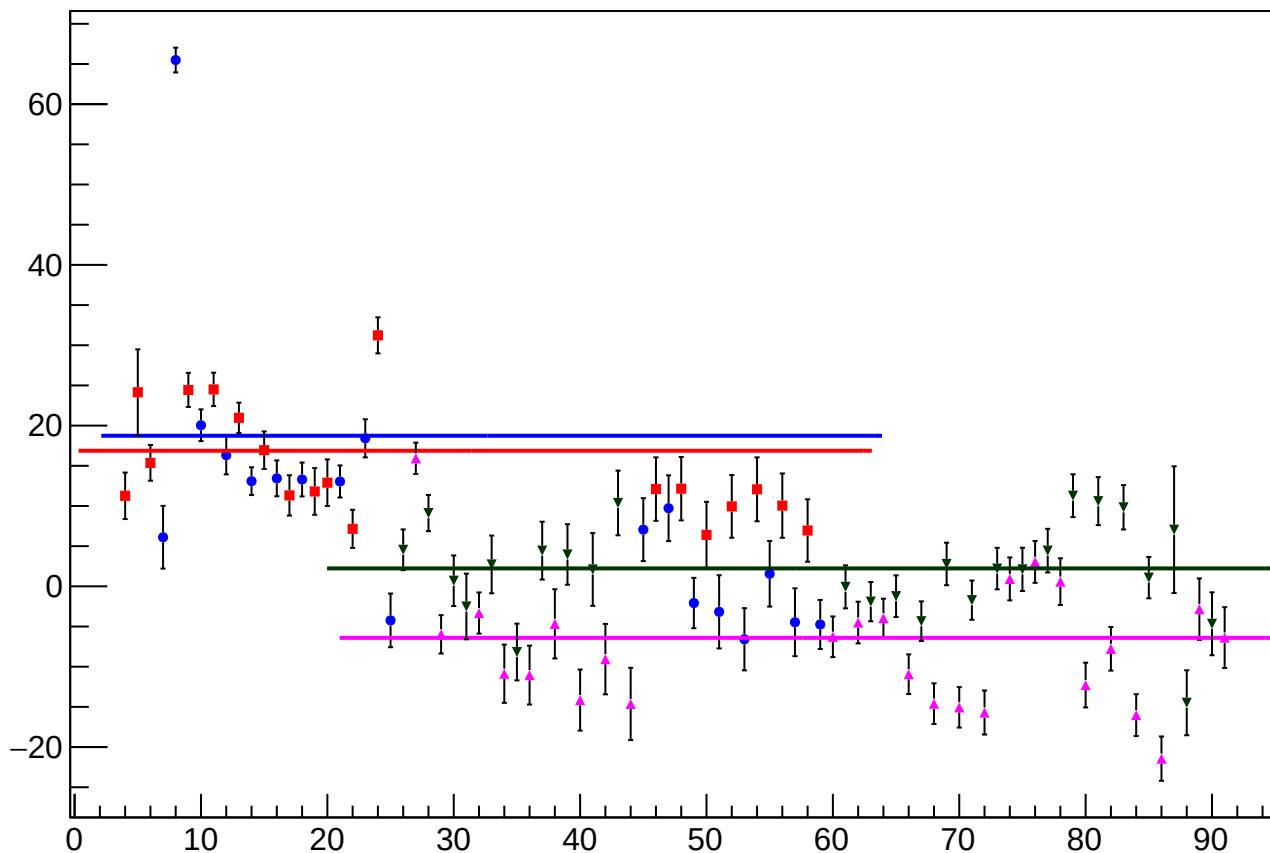
Right Out: 5644.999+/-1.266 χ^2/NDF : 71475.4/18

Left In: 6456.426+/-1.237 χ^2/NDF : 290748.8/24

6051.672+/-0.875 χ^2/NDF : 512411.8/43

6060.095+/-0.885 χ^2/NDF : 572474.4/43

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

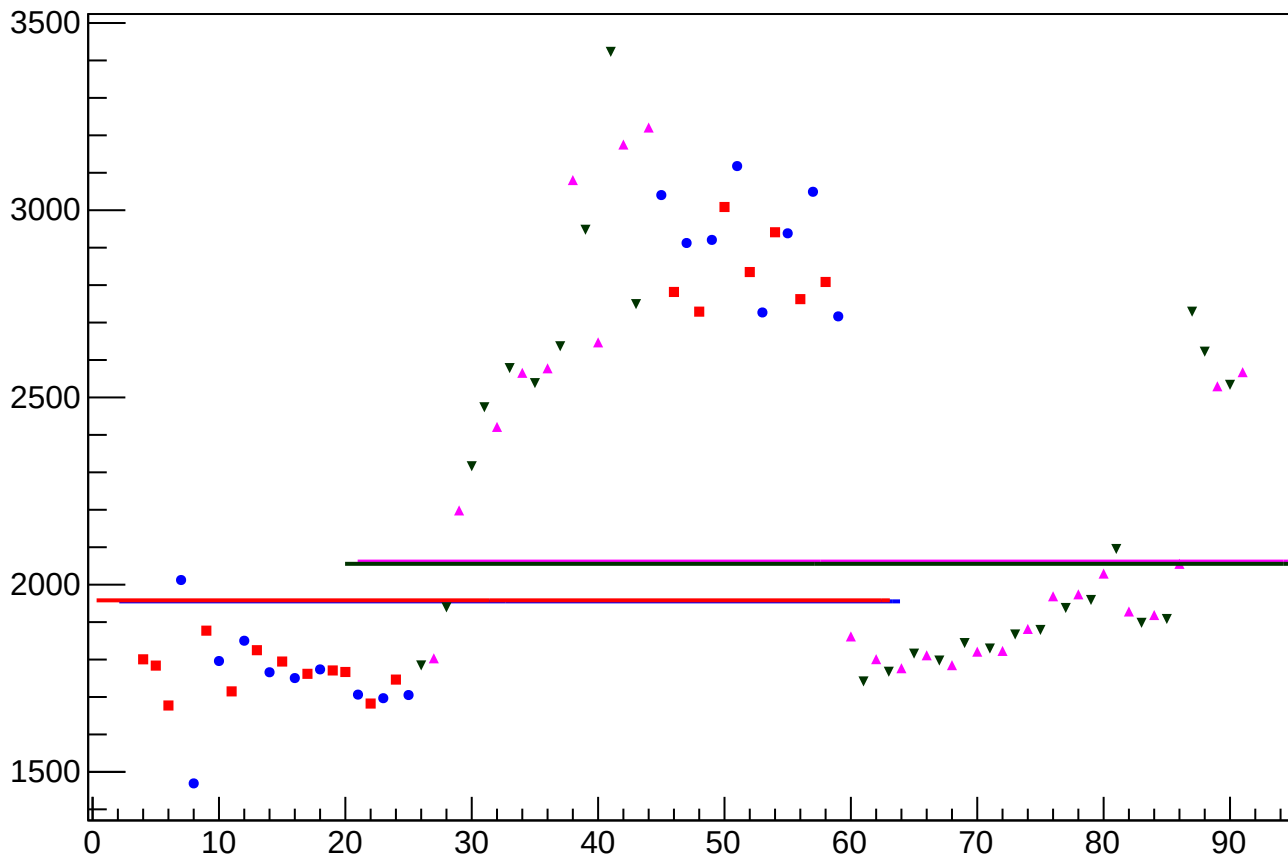
Right Out: 16.874 ± 0.633 χ^2/NDF : 128.0/18

Left In: -6.408 ± 0.564 χ^2/NDF : 258.3/24

10.196 ± 0.418 χ^2/NDF : 1719.6/43

3.893 ± 0.421 χ^2/NDF : 1140.1/43

diff_bpm0l05Y_rms vs slug



Right In: 1955.370+/-0.425 χ^2/NDF : 1375682.1/17

Left Out: 2055.677+/-0.411 χ^2/NDF : 796179.6/25

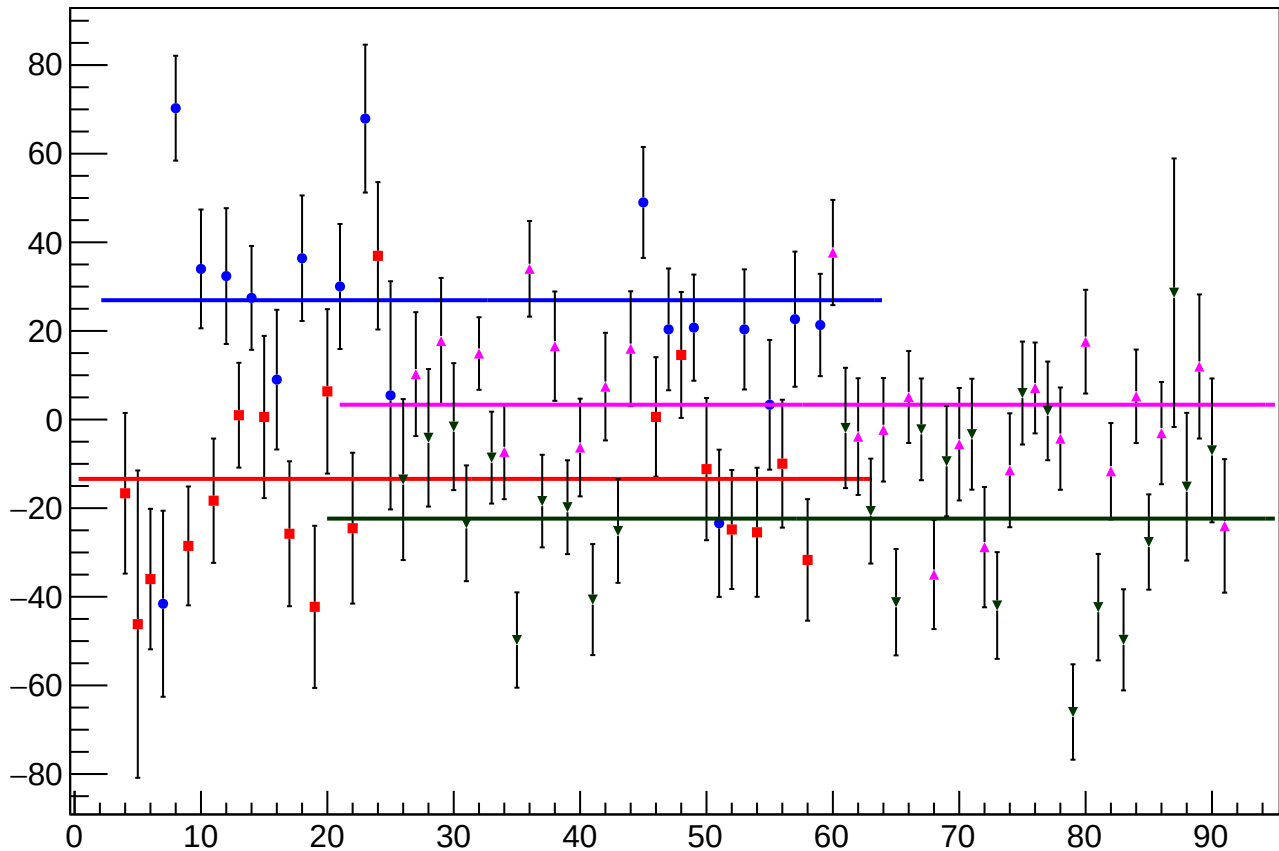
Right Out: 1958.115+/-0.448 χ^2/NDF : 858074.3/18

Left In: 2061.635+/-0.399 χ^2/NDF : 809880.4/24

2007.280+/-0.296 χ^2/NDF : 2200629.6/43

2015.833+/-0.298 χ^2/NDF : 1697757.8/43

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

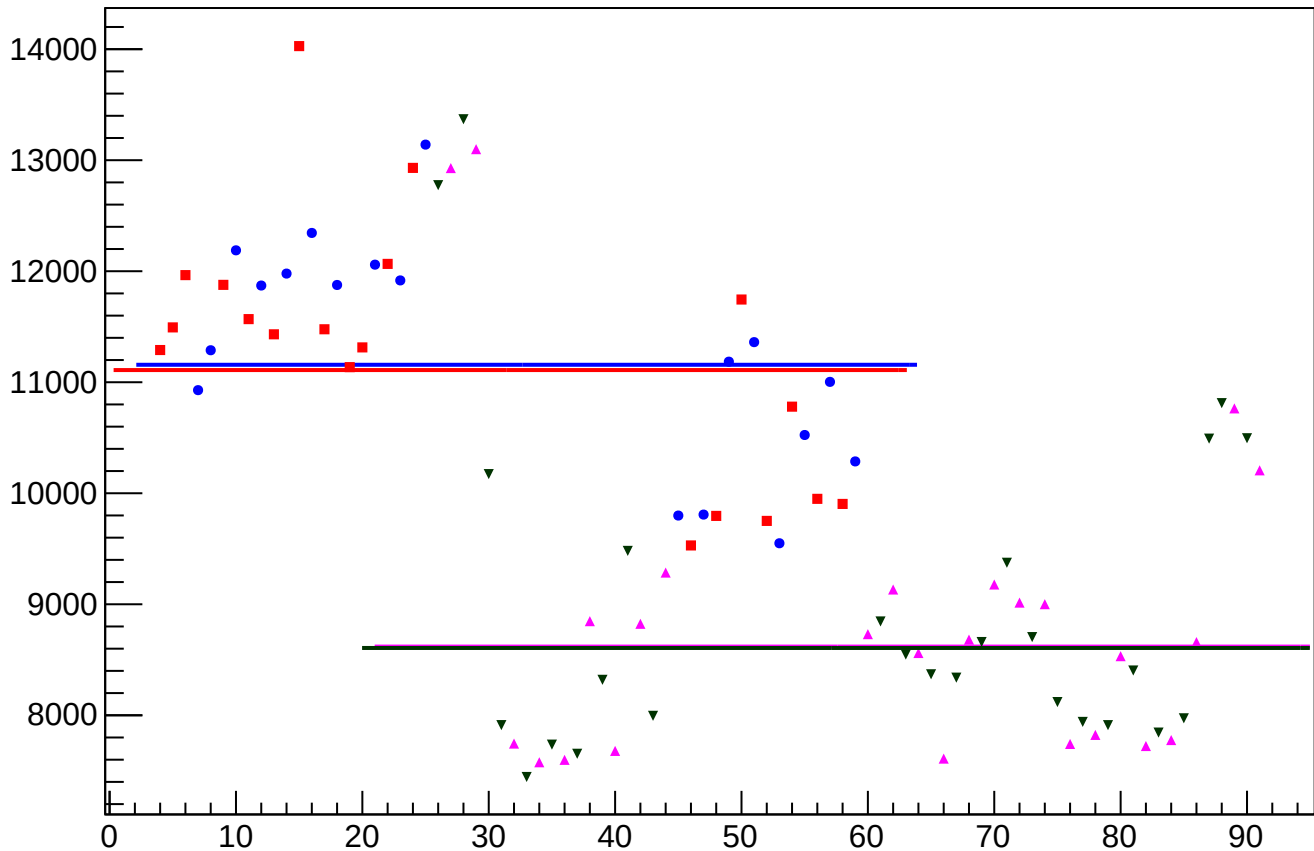
Right Out: -13.392+/-3.535 χ^2 /NDF: 28.4/18

Left In: 3.346+/-2.350 χ^2 /NDF:49.2/24

-5.337+/-1.961 χ^2 /NDF: 259.8/43

-1.785+/-1.957 χ^2 /NDF: 93.2/43

diff_bpm0l06X_rms vs slug



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

Left Out: 8606.391 $\pm$ 1.714 χ^2 /NDF: 510290.4/25

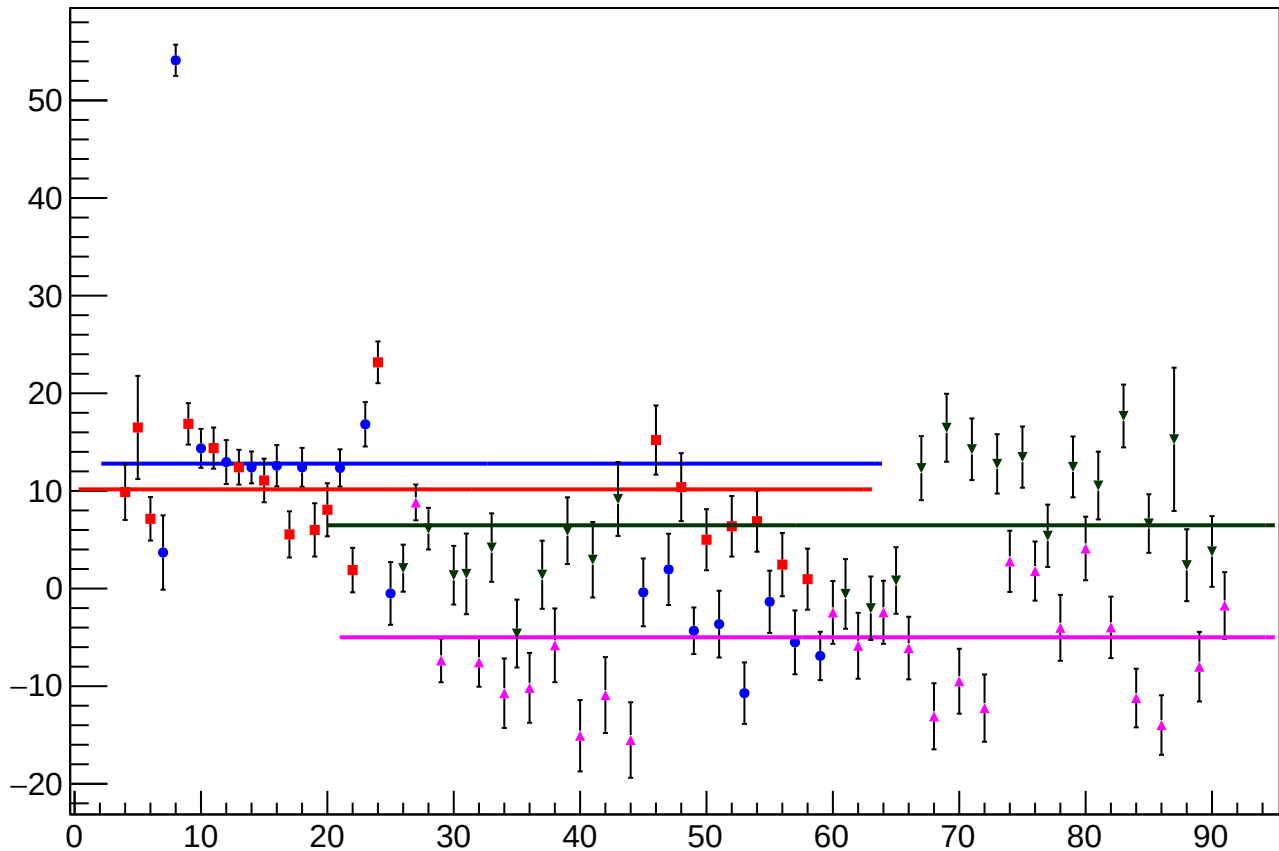
9487.217 $\pm$ 1.386 χ^2 /NDF: 1429297.4/43

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

9382.513 $\pm$ 1.384 χ^2 /NDF: 1490953.8/43

Left In: 8618.966 $\pm$ 1.662 χ^2 /NDF: 605931.2/24

diff_bpm0l06Y_mean vs slug



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

Left Out: 6.480 ± 0.641 χ^2/NDF : 82.5/25

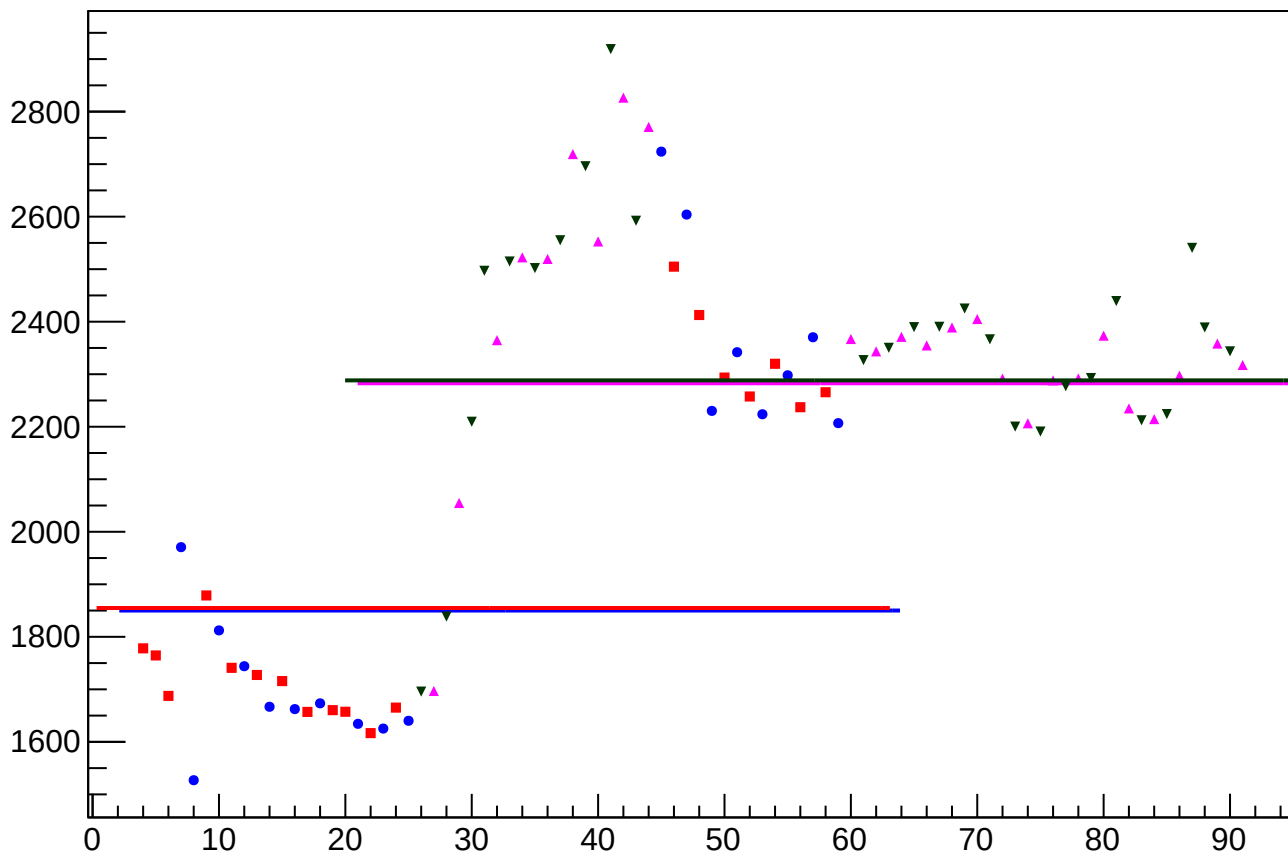
Right Out: 10.162 ± 0.592 χ^2/NDF : 97.7/18

Left In: -4.989 ± 0.619 χ^2/NDF : 128.2/24

10.066 ± 0.421 χ^2/NDF : 1098.7/43

2.919 ± 0.428 χ^2/NDF : 538.7/43

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

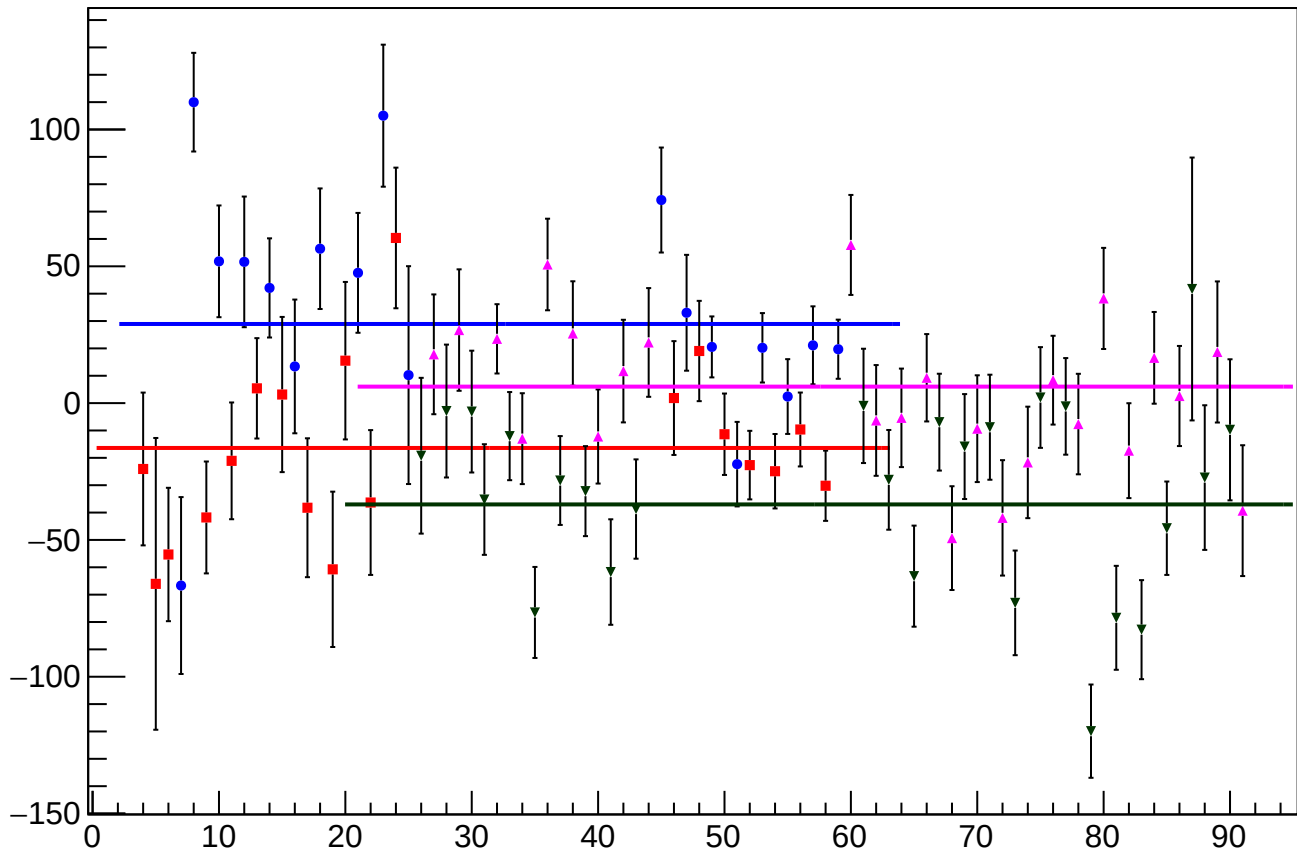
Right Out: 1854.854+/-0.419 χ^2/NDF : 407929.4/18

Left In: 2282.774+/-0.438 χ^2/NDF : 368304.9/24

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

2059.421+/-0.303 χ^2/NDF : 1275251.6/43

diff_bpm0l07X_mean vs slug



Right In: 28.924 $\pm$ 4.035 χ^2 /NDF: 65.6/17

Left Out: -37.024 $\pm$ 3.782 χ^2 /NDF: 77.4/25

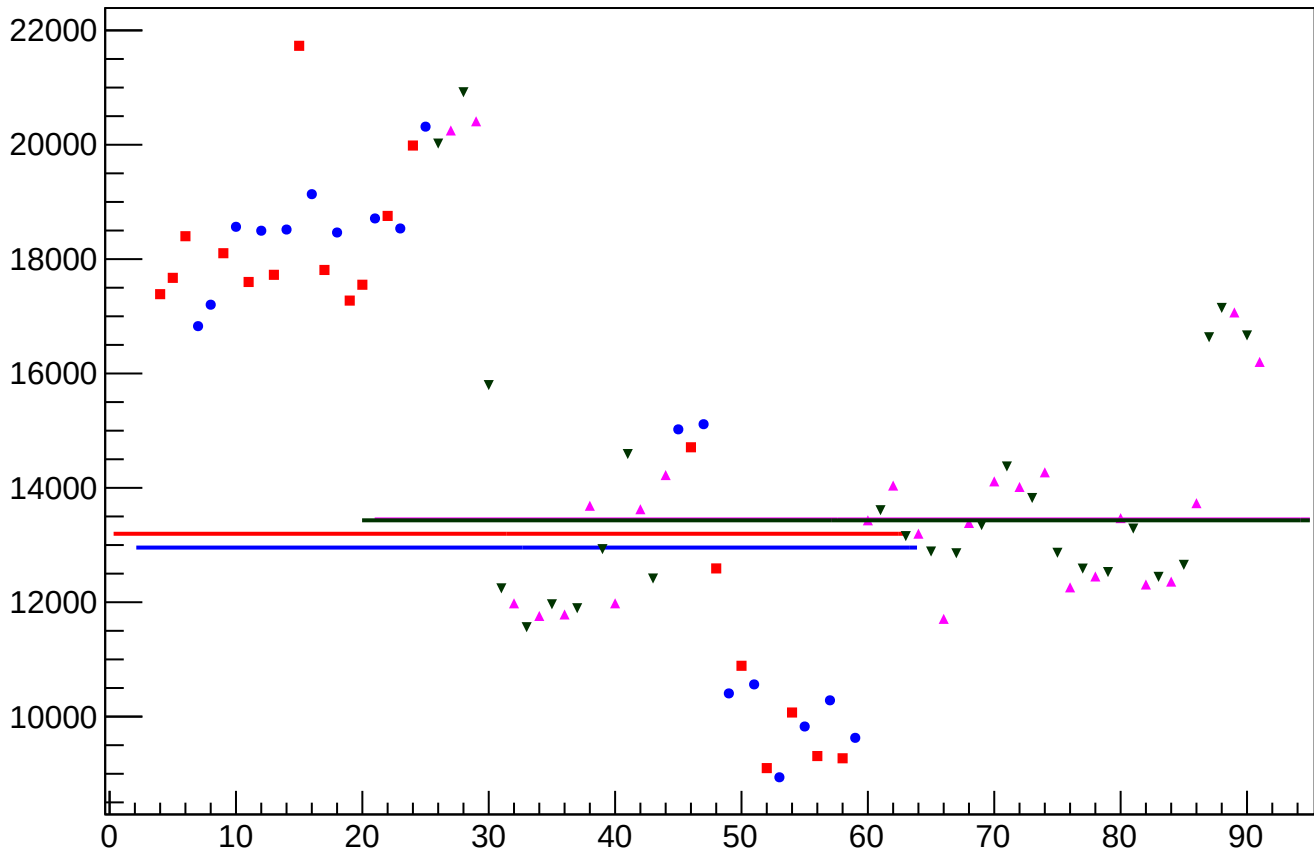
Right Out: -16.388 $\pm$ 4.377 χ^2 /NDF: 27.5/18

Left In: 6.030 $\pm$ 3.667 χ^2 /NDF: 49.1/24

-6.181 $\pm$ 2.760 χ^2 /NDF: 285.2/43

-3.215 $\pm$ 2.811 χ^2 /NDF: 92.1/43

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

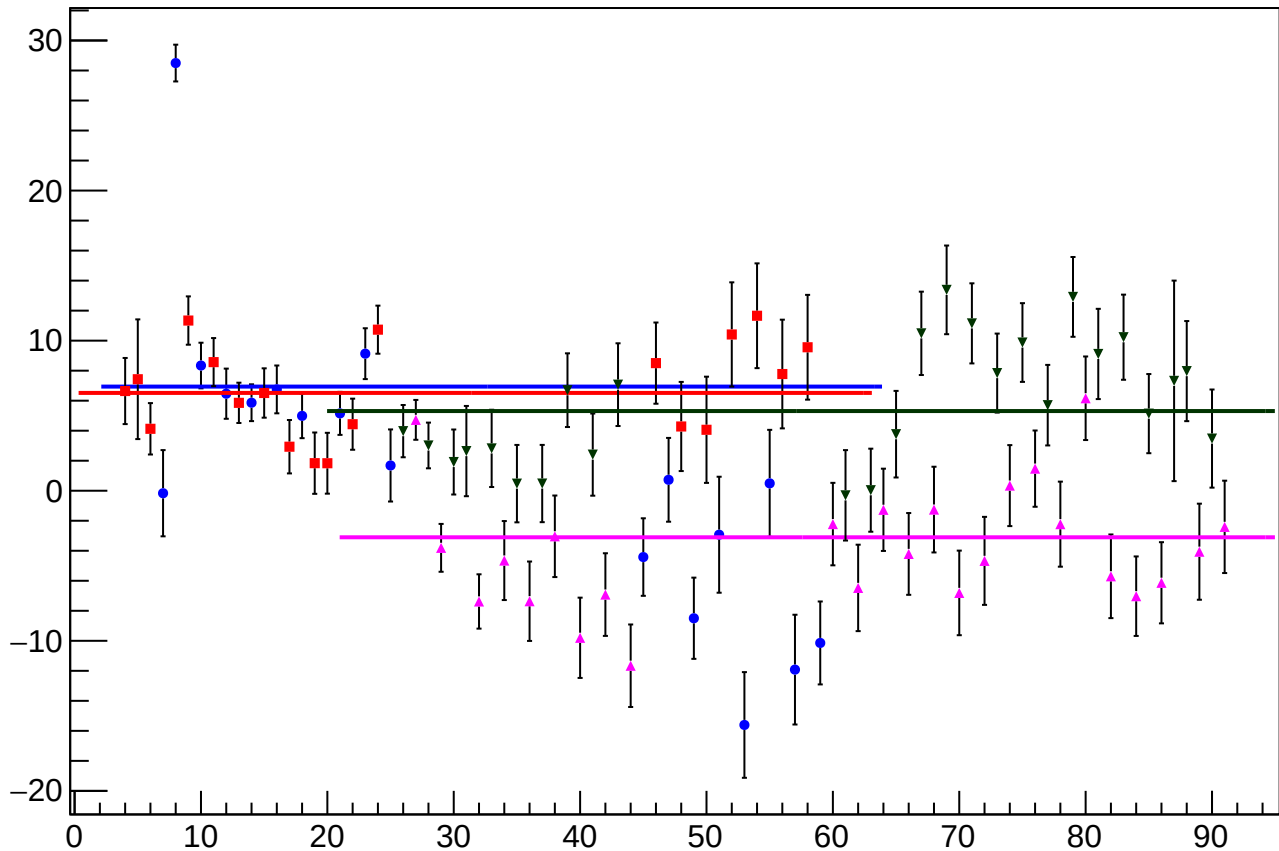
13209.621 $\pm$ 1.951 χ^2 /NDF: 2430342.8/43

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

13344.651 $\pm$ 1.988 χ^2 /NDF: 2379724.5/43

Left In: 13448.143 $\pm$ 2.593 χ^2 /NDF: 608108.5/24

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

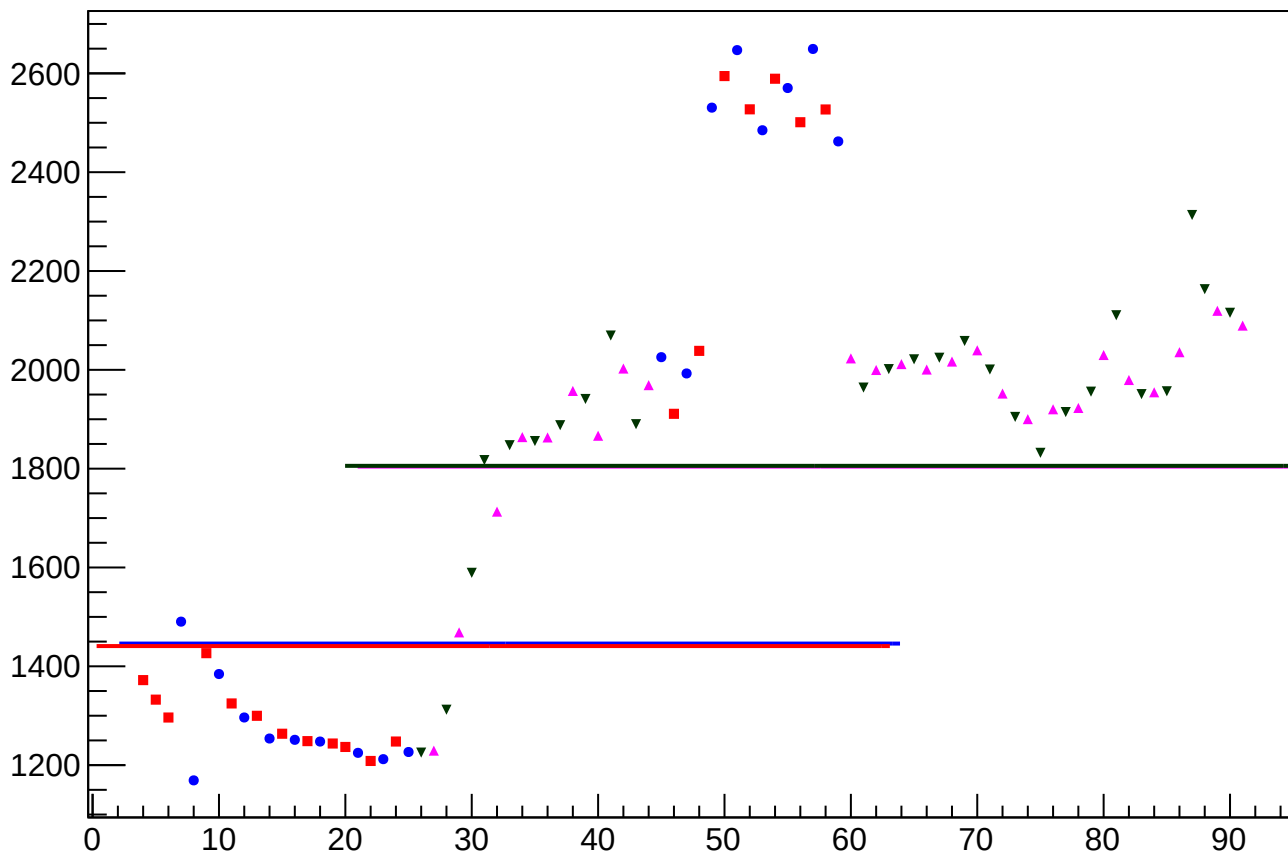
Right Out: 6.517 ± 0.472 χ^2/NDF : 41.8/18

Left In: -3.103 ± 0.492 χ^2/NDF : 86.4/24

6.224 ± 0.337 χ^2/NDF : 562.2/43

1.909 ± 0.340 χ^2/NDF : 327.5/43

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

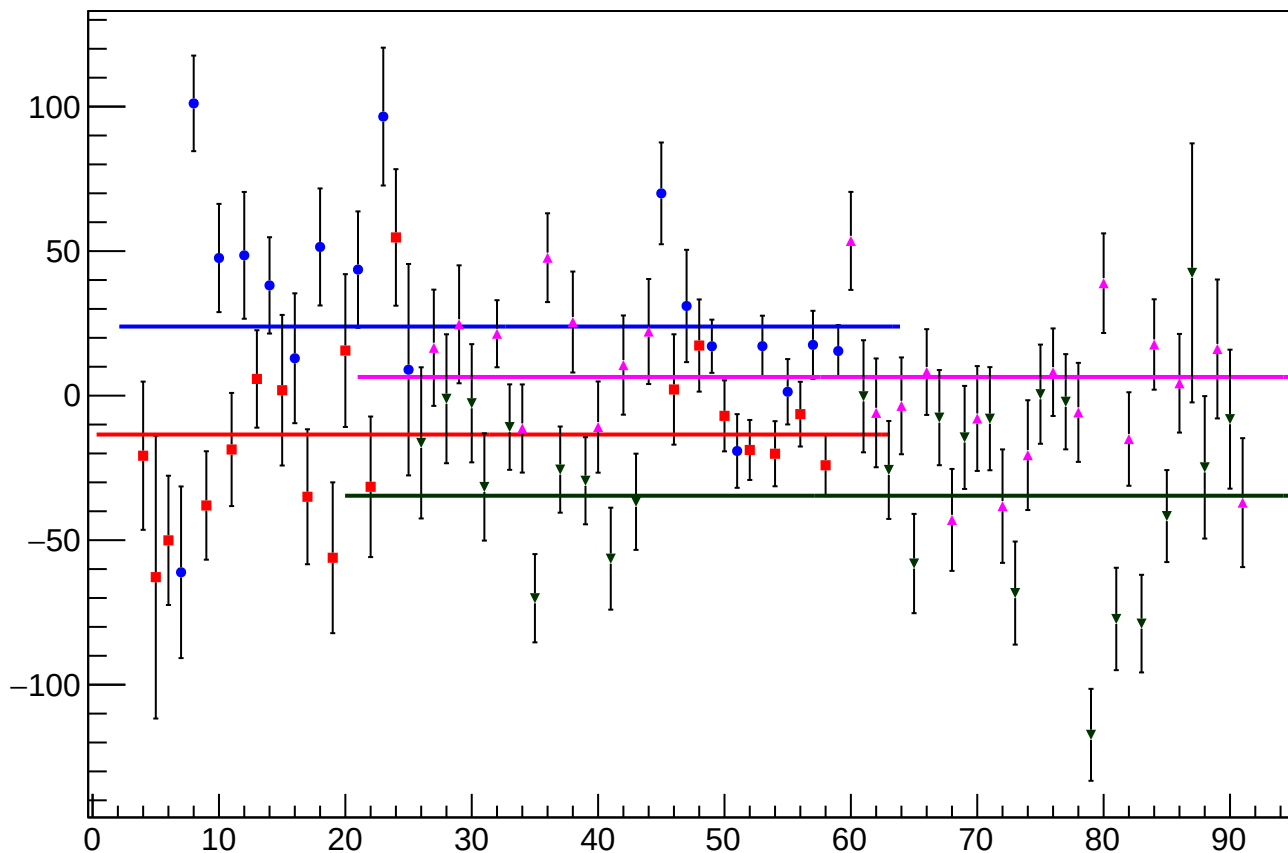
Right Out: 1440.962+/-0.333 χ^2/NDF : 1333198.7/18

Left In: 1804.147+/-0.348 χ^2/NDF : 658503.2/24

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

1614.962+/-0.241 χ^2/NDF : 2560005.9/43

diff_bpm0l08X_mean vs slug



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

Left Out: -34.628 $\pm$ 3.501 χ^2 /NDF: 82.6/25

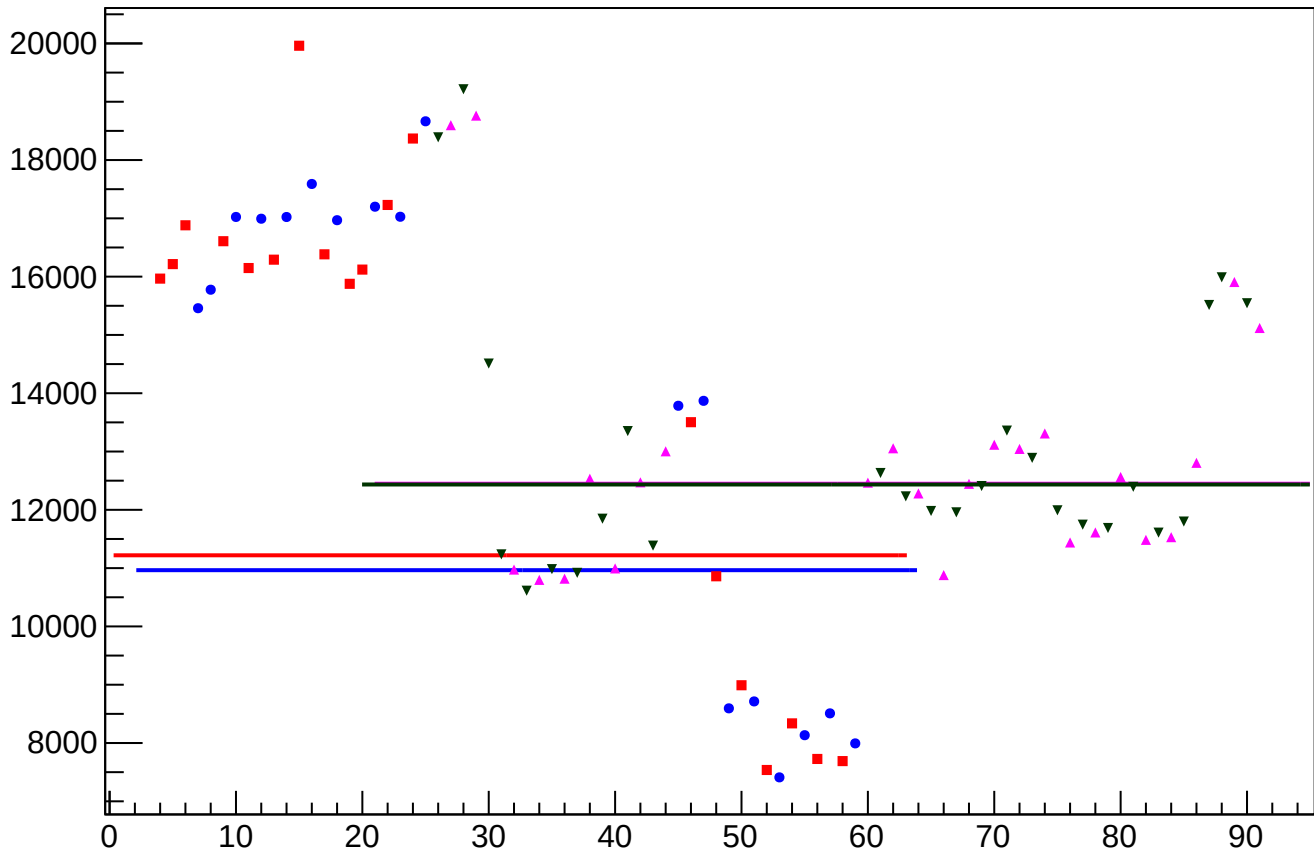
Right Out: -13.450 $\pm$ 3.783 χ^2 /NDF: 27.5/18

Left In: 6.463 $\pm$ 3.394 χ^2 /NDF: 49.0/24

-5.097 $\pm$ 2.465 χ^2 /NDF: 294.2/43

-2.417 $\pm$ 2.526 χ^2 /NDF: 91.9/43

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

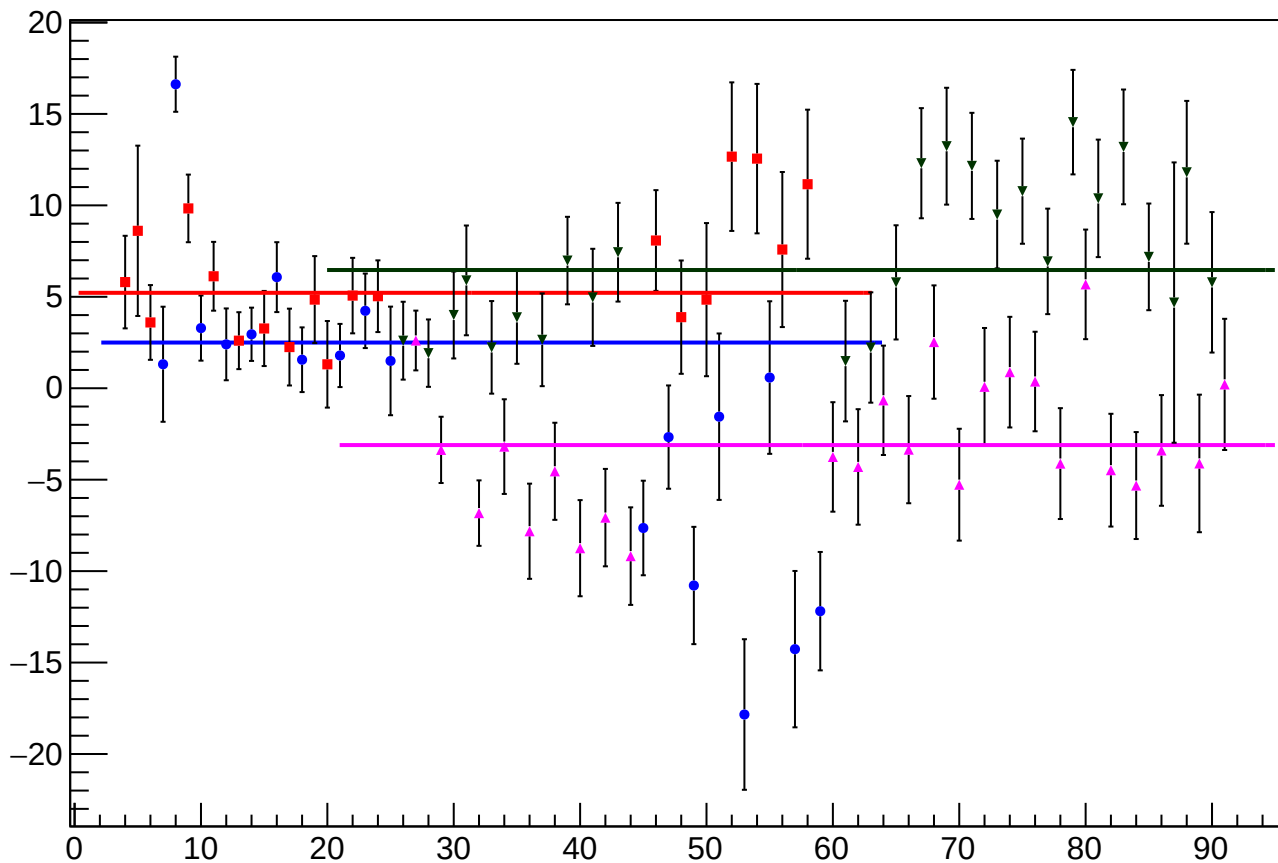
11693.114+/-1.743 χ^2/NDF : 3243574.6/43

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

11900.274+/-1.786 χ^2/NDF : 3068320.1/43

Left In: 12447.780+/-2.400 χ^2/NDF : 607644.9/24

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

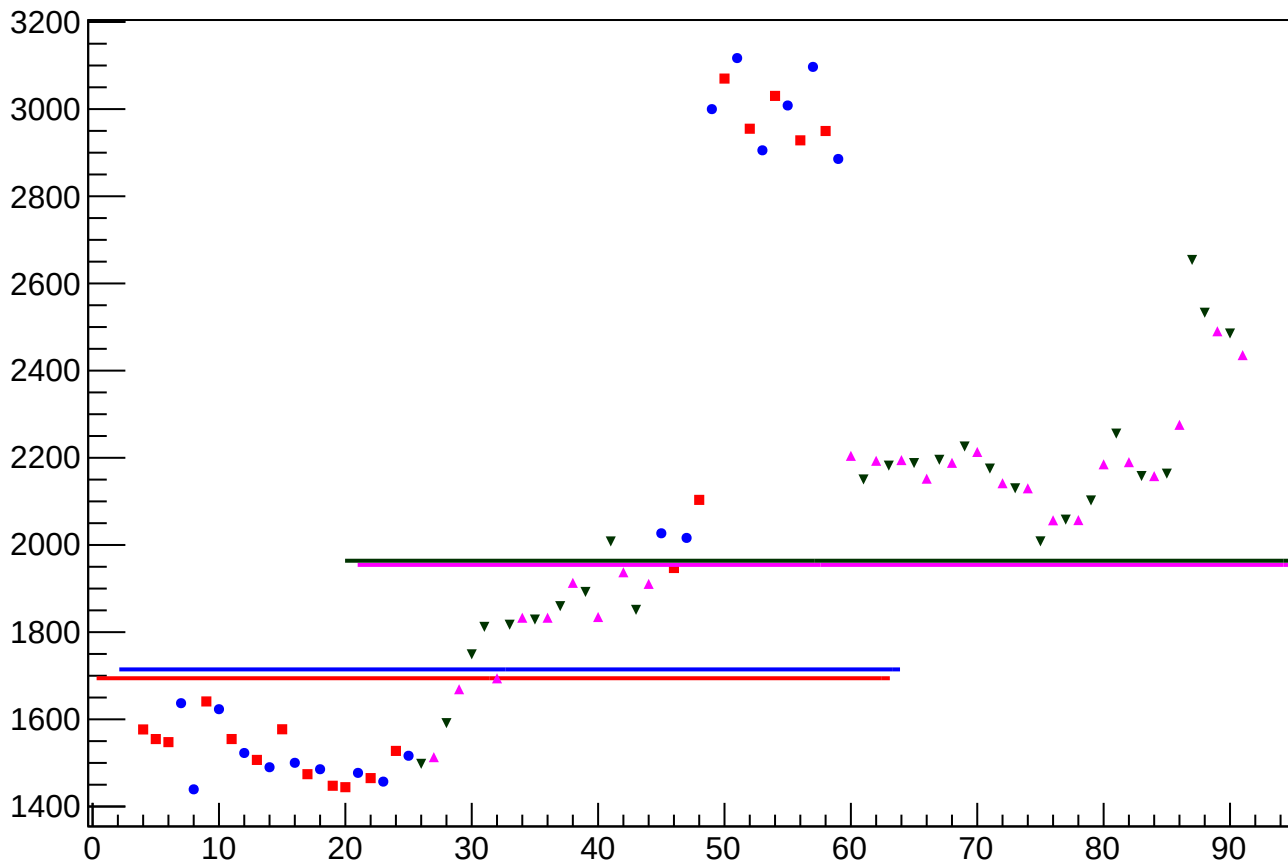
Right Out: 5.218 ± 0.553 χ^2/NDF : 26.5/18

Left In: -3.107 ± 0.531 χ^2/NDF : 51.6/24

4.408 ± 0.382 χ^2/NDF : 270.2/43

0.887 ± 0.383 χ^2/NDF : 196.1/43

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

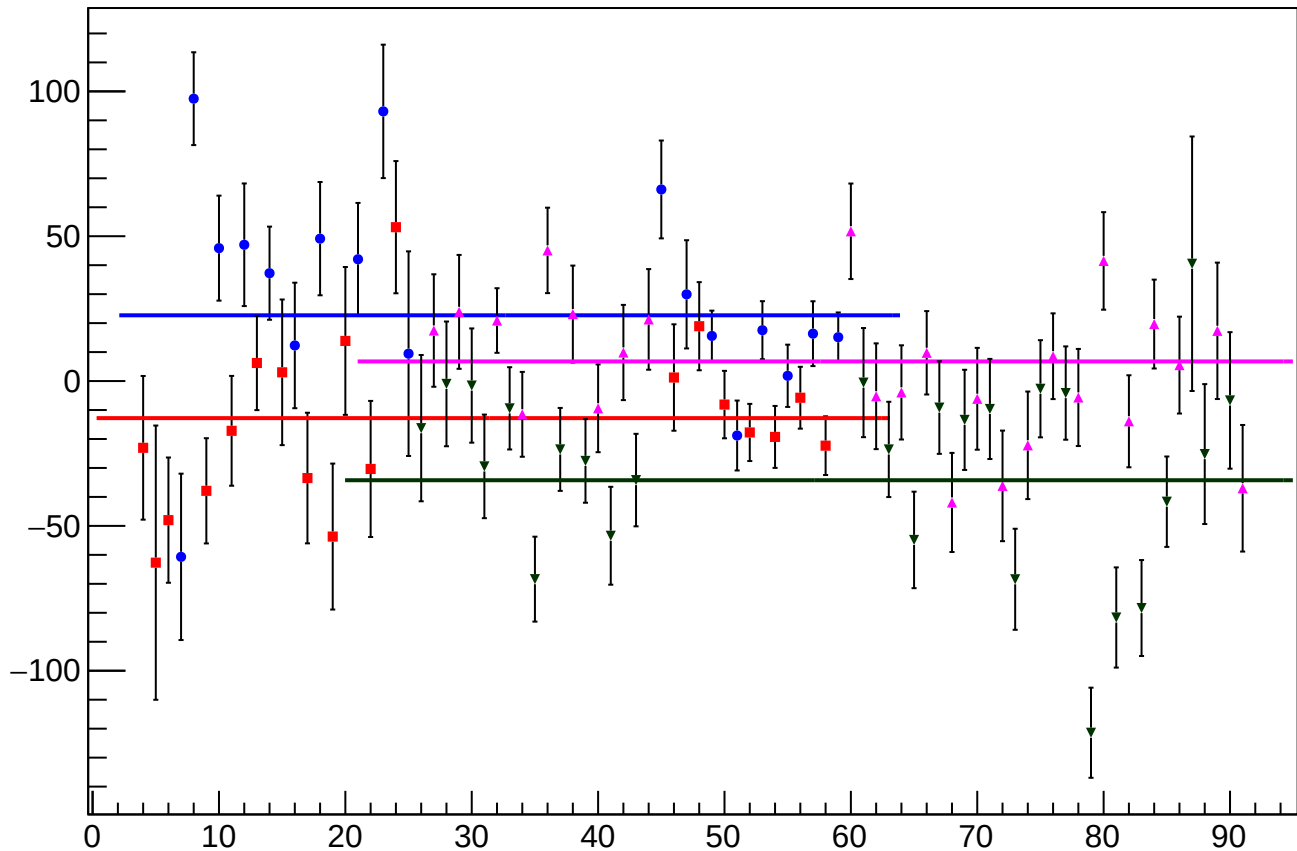
Right Out: 1694.263+/-0.391 χ^2/NDF : 1202765.8/18

Left In: 1954.314+/-0.375 χ^2/NDF : 475882.5/24

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

1829.550+/-0.271 χ^2/NDF : 1908912.7/43

diff_bpm0l09X_mean vs slug



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

Left Out: -34.235 ± 3.394 $\chi^2/\text{NDF}: 88.8/25$

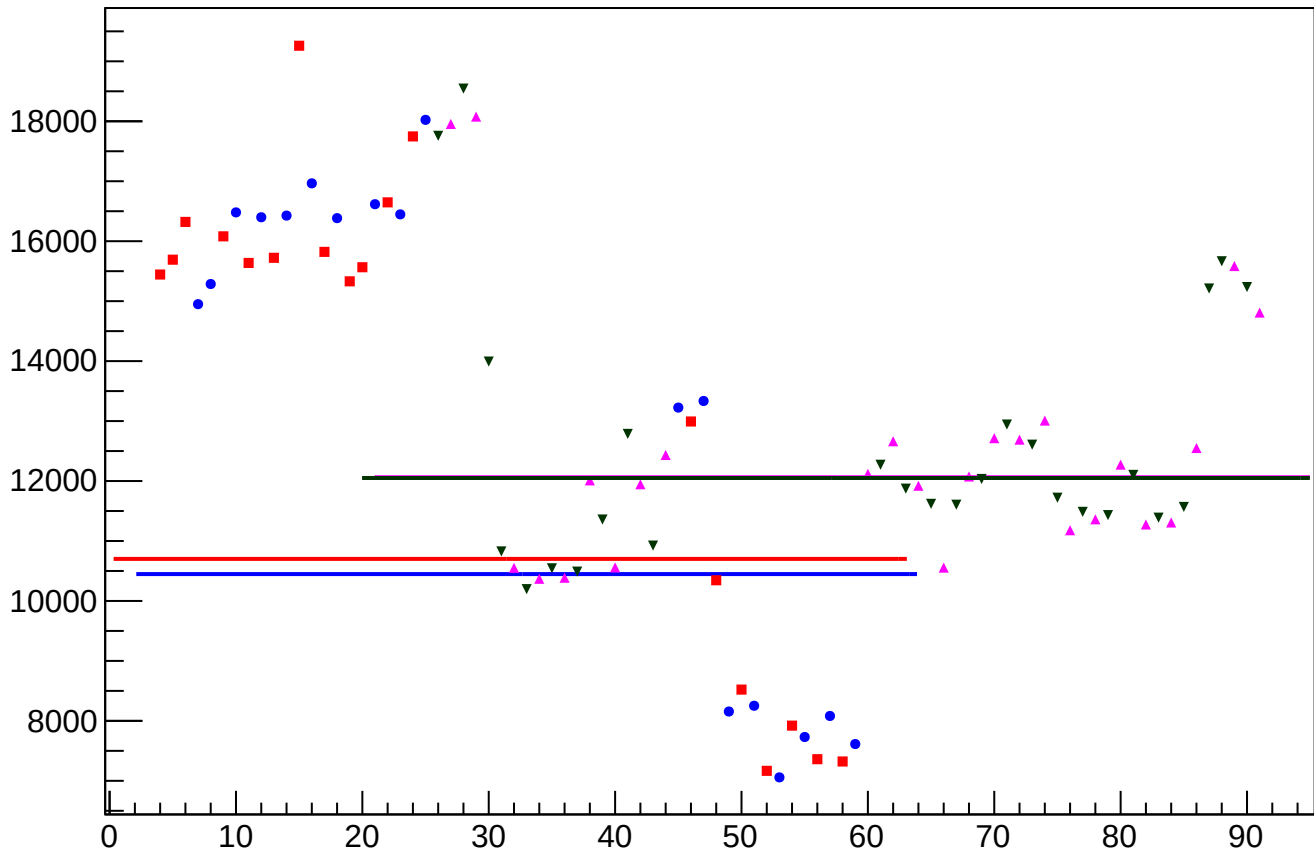
Right Out: -12.799 ± 3.618 $\chi^2/\text{NDF}: 28.2/18$

Left In: 6.772 ± 3.290 $\chi^2/\text{NDF}: 49.7/24$

-5.100 ± 2.371 $\chi^2/\text{NDF}: 303.8/43$

-2.084 ± 2.434 $\chi^2/\text{NDF}: 93.9/43$

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

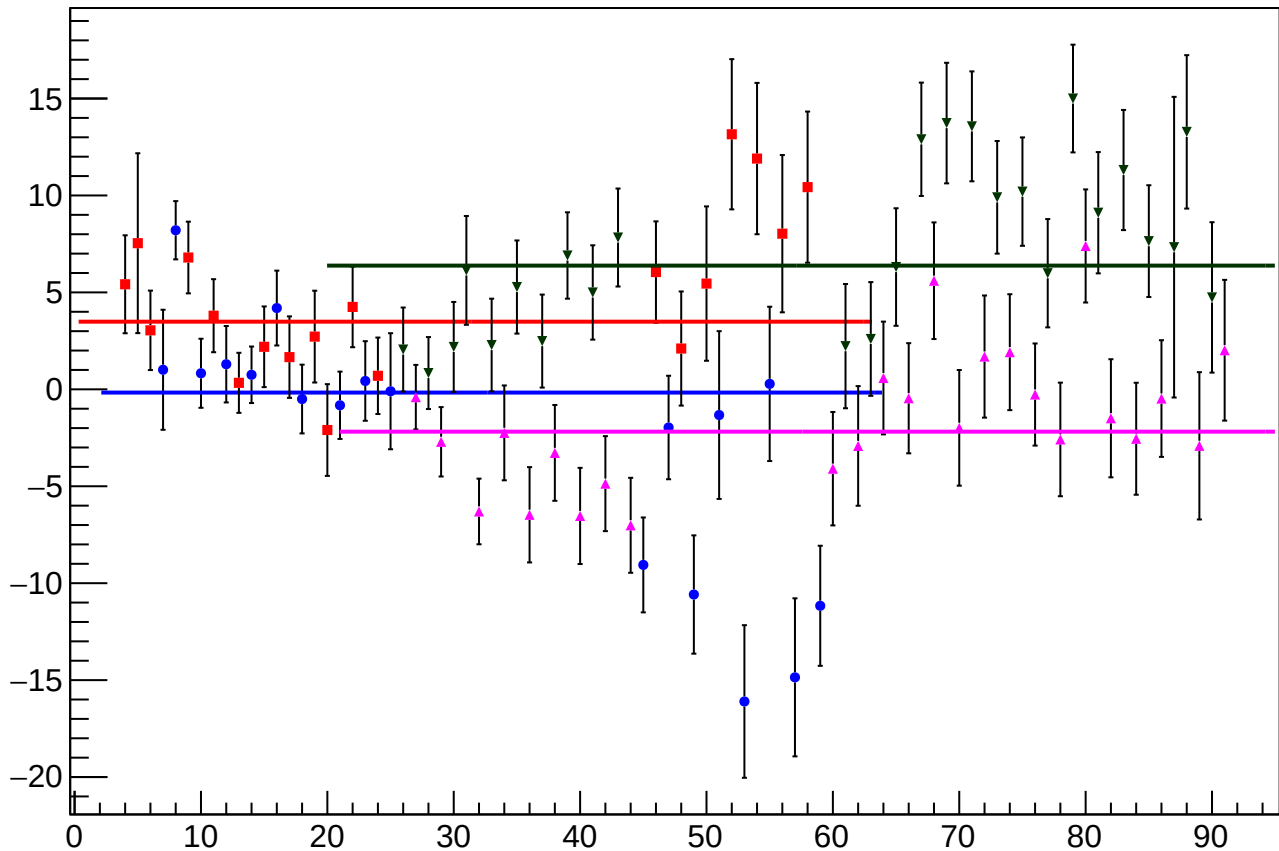
11230.697+/-1.677 χ^2/NDF : 3407180.8/43

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

11447.418+/-1.721 χ^2/NDF : 3208349.4/43

Left In: 12064.010+/-2.326 χ^2/NDF : 614575.9/24

diff_bpm0l09Y_mean vs slug



Right In: -0.167 $\pm$ 0.526 χ^2/NDF : 105.2/17

Left Out: 3.057 $\pm$ 0.375 χ^2/NDF : 244.3/43

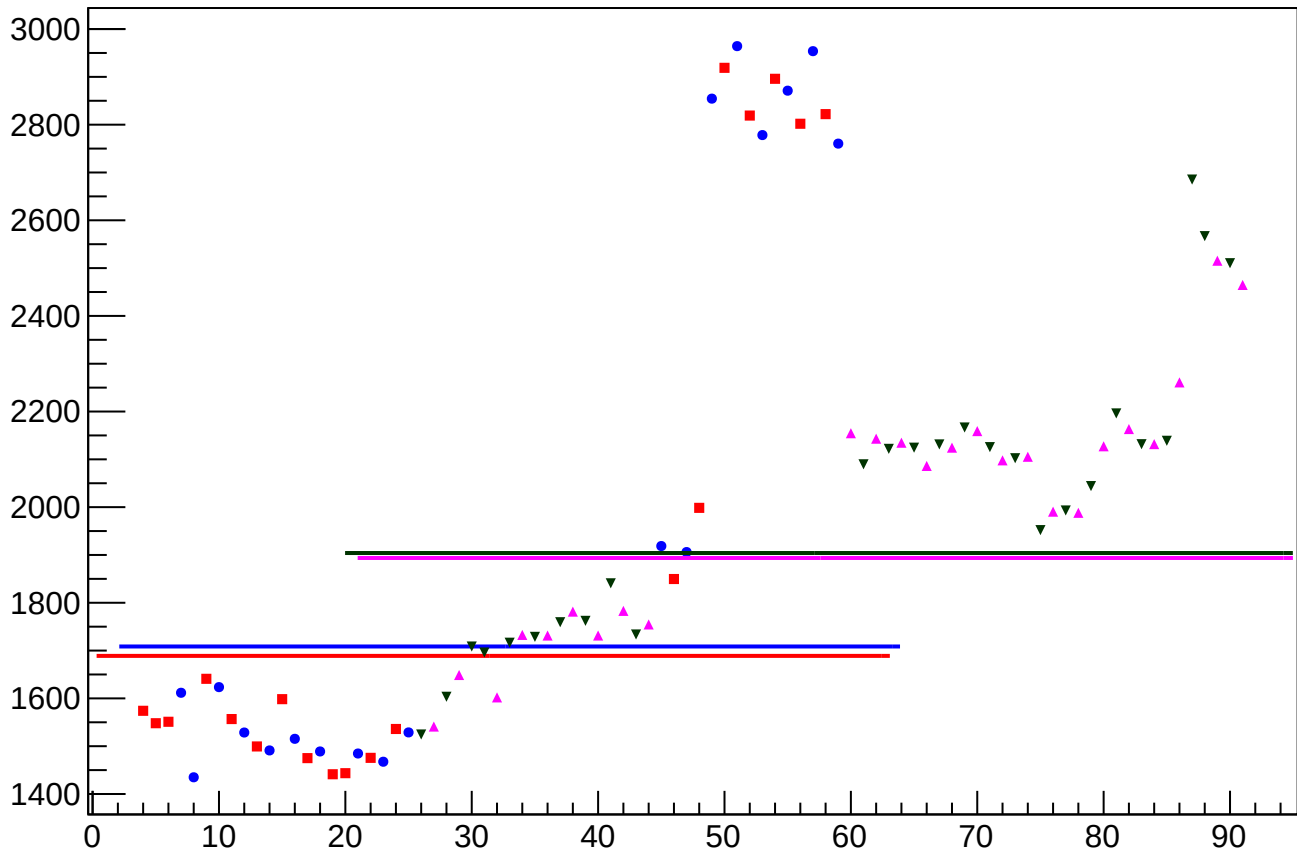
Right Out: 3.490 $\pm$ 0.549 χ^2/NDF : 34.4/18

Left In: -2.184 $\pm$ 0.515 χ^2/NDF : 43.5/24

3.057 $\pm$ 0.375 χ^2/NDF : 244.3/43

0.470 $\pm$ 0.375 χ^2/NDF : 134.8/43

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

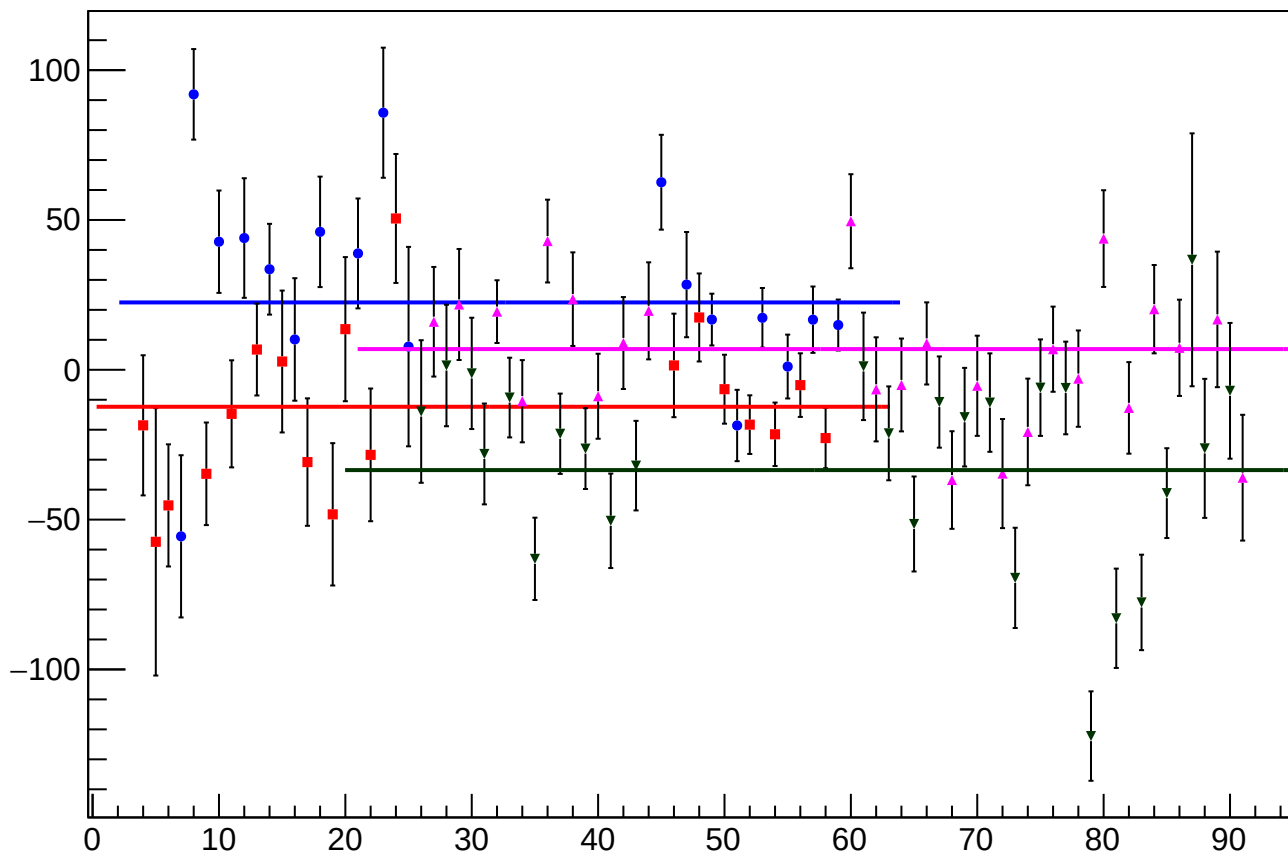
1804.830+/-0.265 χ^2/NDF : 2039216.5/43

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

1797.896+/-0.265 χ^2/NDF : 1711634.0/43

Left In: 1893.711+/-0.364 χ^2/NDF : 504836.8/24

diff_bpm0l10X_mean vs slug



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

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

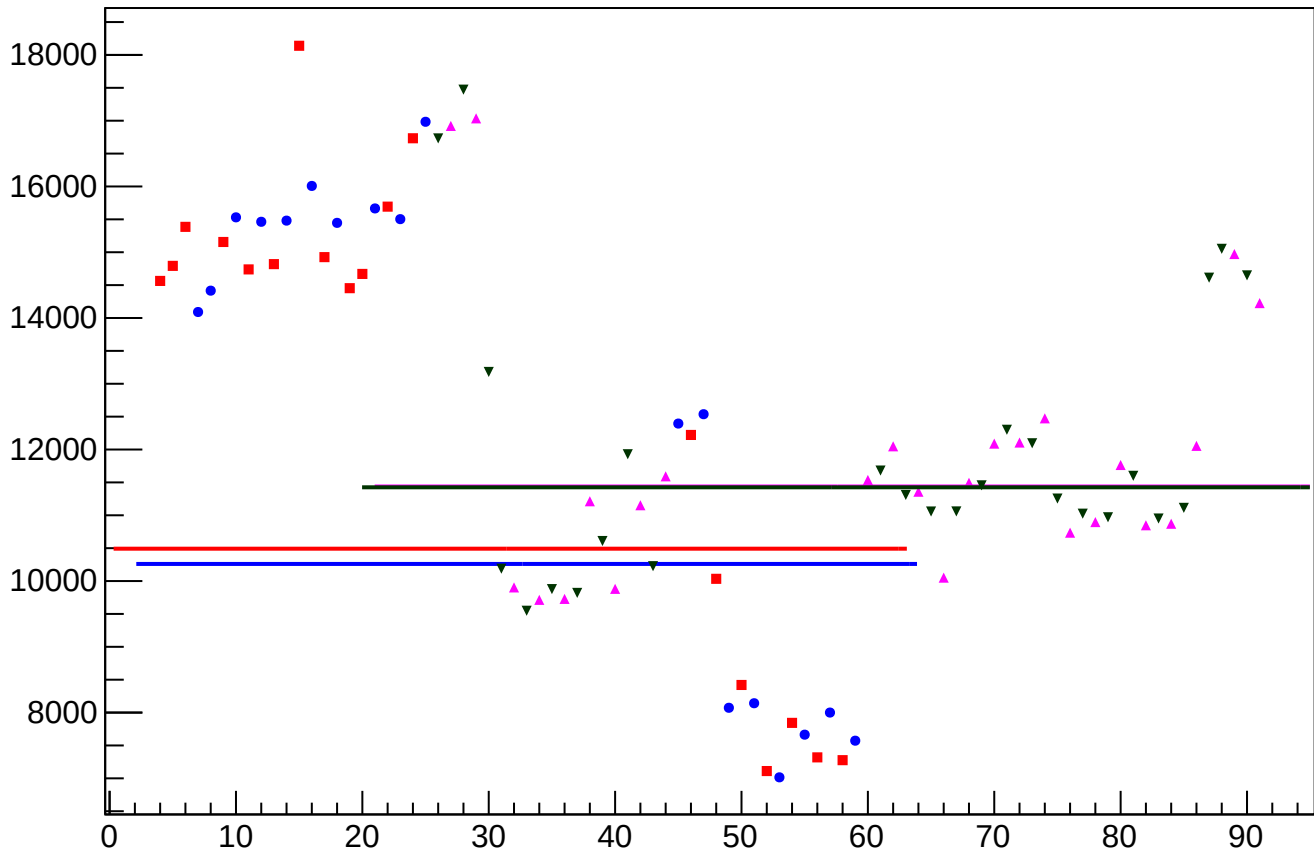
Right Out: -12.340 ± 3.516 $\chi^2/\text{NDF}: 28.3/18$

Left In: 6.910 ± 3.120 $\chi^2/\text{NDF}: 50.2/24$

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

-1.568 ± 2.334 $\chi^2/\text{NDF}: 95.2/43$

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

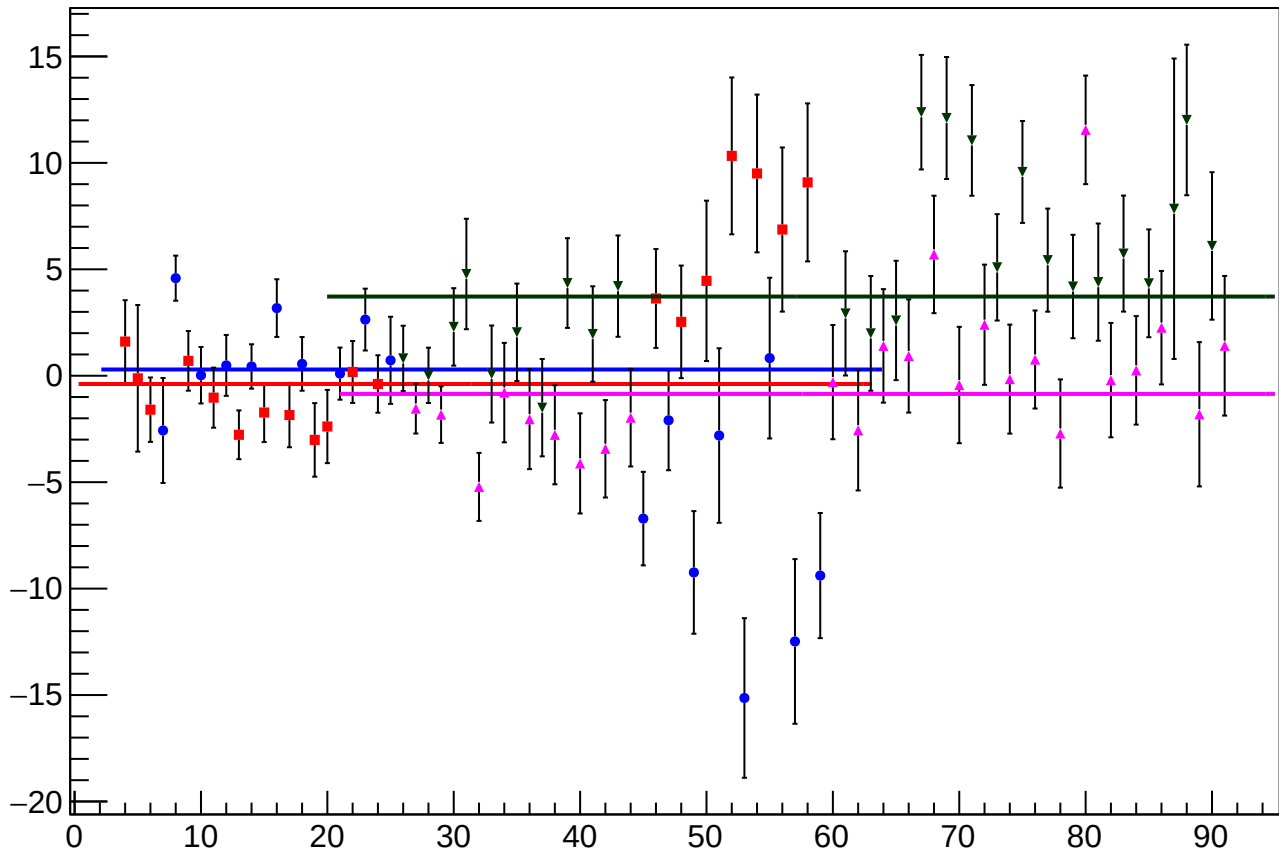
10844.523 $\pm$ 1.612 χ^2 /NDF: 2991462.7/43

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

11021.515 $\pm$ 1.650 χ^2 /NDF: 2849310.4/43

Left In: 11438.208 $\pm$ 2.206 χ^2 /NDF:629428.2/24

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

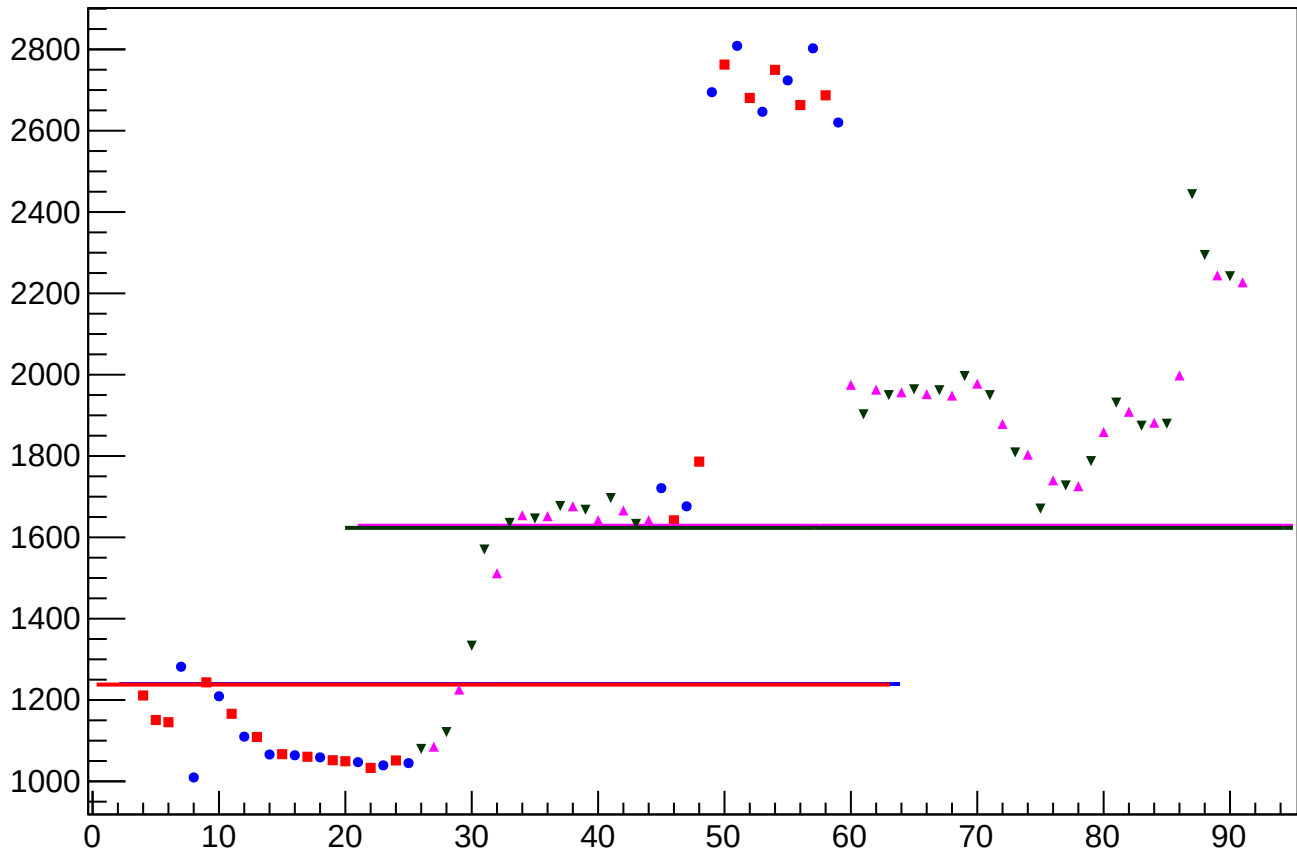
Right Out: -0.388 ± 0.412 χ^2/NDF : 44.0/18

Left In: -0.855 ± 0.447 χ^2/NDF : 48.2/24

1.736 ± 0.299 χ^2/NDF : 181.5/43

-0.602 ± 0.303 χ^2/NDF : 92.8/43

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

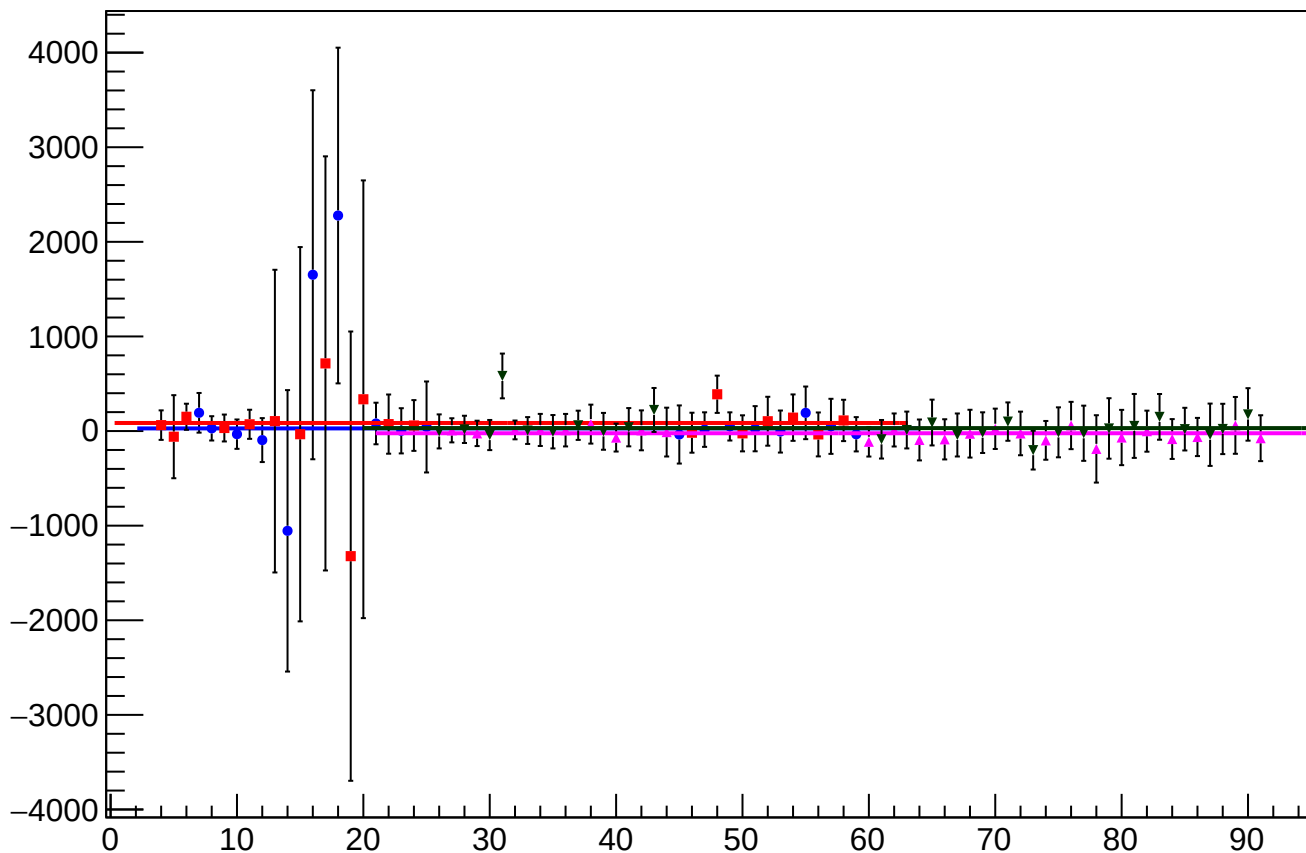
1401.019 $\pm$ 0.211 χ^2 /NDF: 4511290.1/43

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

1417.147 $\pm$ 0.214 χ^2 /NDF: 3809265.0/43

Left In: 1628.633 $\pm$ 0.316 χ^2 /NDF:1069094.8/24

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

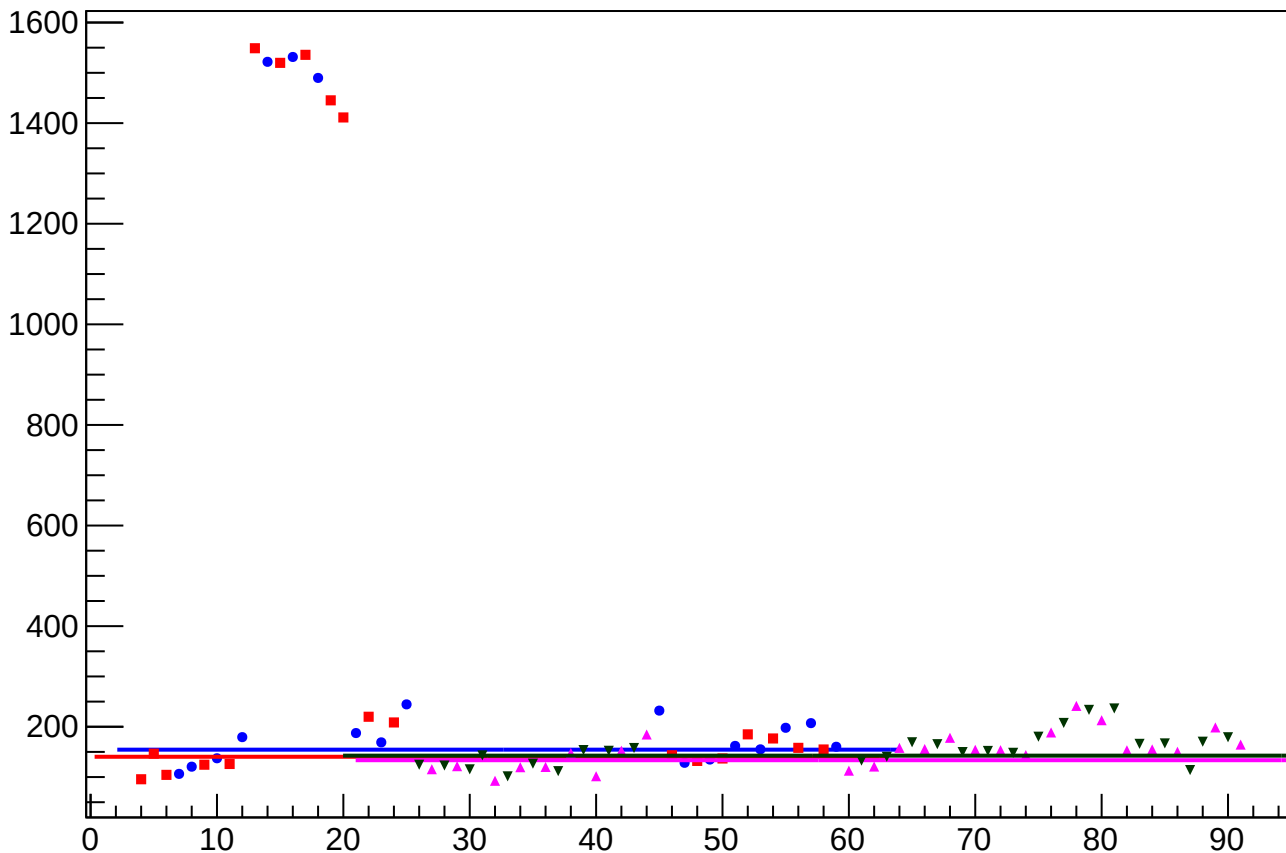
Right Out: 85.325+/-52.506 χ^2/NDF : 4.3/18

Left In: -23.198+/-37.167 χ^2/NDF : 2.0/24

29.906+/-32.116 χ^2/NDF : 13.6/43

13.028+/-30.336 χ^2/NDF : 9.1/43

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

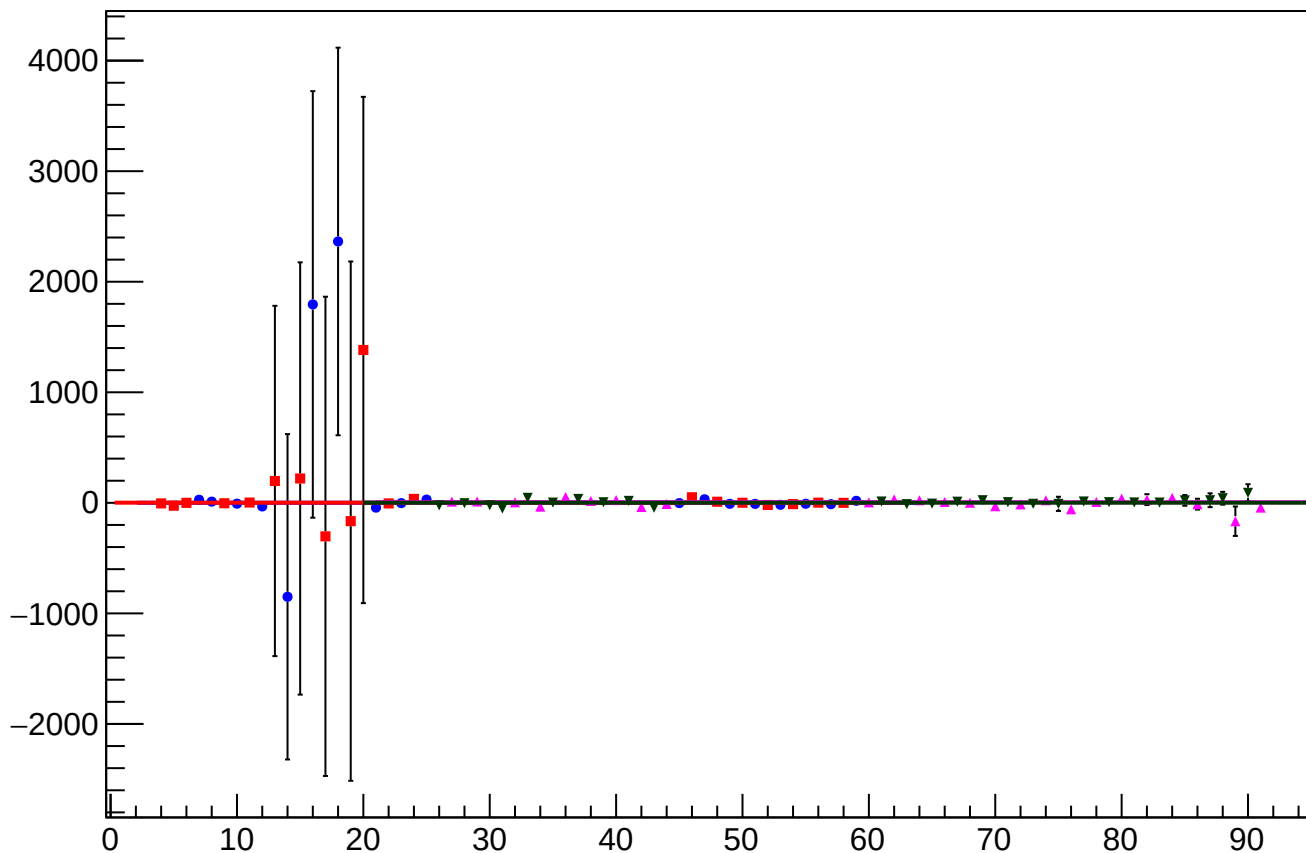
Right Out: 140.345 $\pm$ 0.037 χ^2 /NDF: 5274055.6/18

Left In: 133.486 $\pm$ 0.026 χ^2 /NDF:1419485.8/24

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

135.776 $\pm$ 0.021 χ^2 /NDF: 6716280.7/43

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

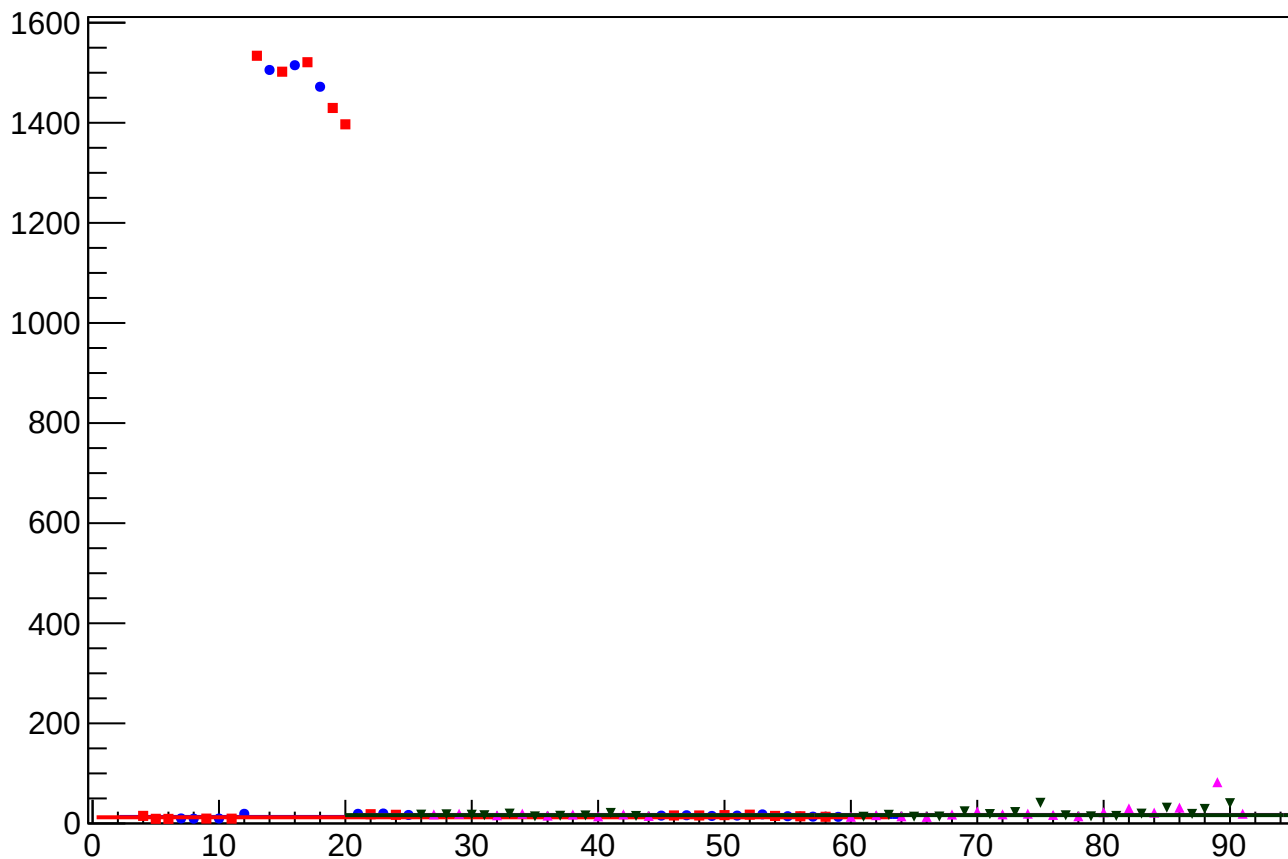
Right Out: 1.382+/-4.789 χ^2/NDF : 9.5/18

Left In: 5.578+/-4.987 χ^2/NDF : 27.3/24

0.961+/-3.403 χ^2/NDF : 35.4/43

3.395+/-3.454 χ^2/NDF : 37.1/43

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs slug



Right In: 13.014+/-0.003 χ^2/NDF : 5695749.7/17

Left Out: 16.680+/-0.004 χ^2/NDF : 1257971.0/25

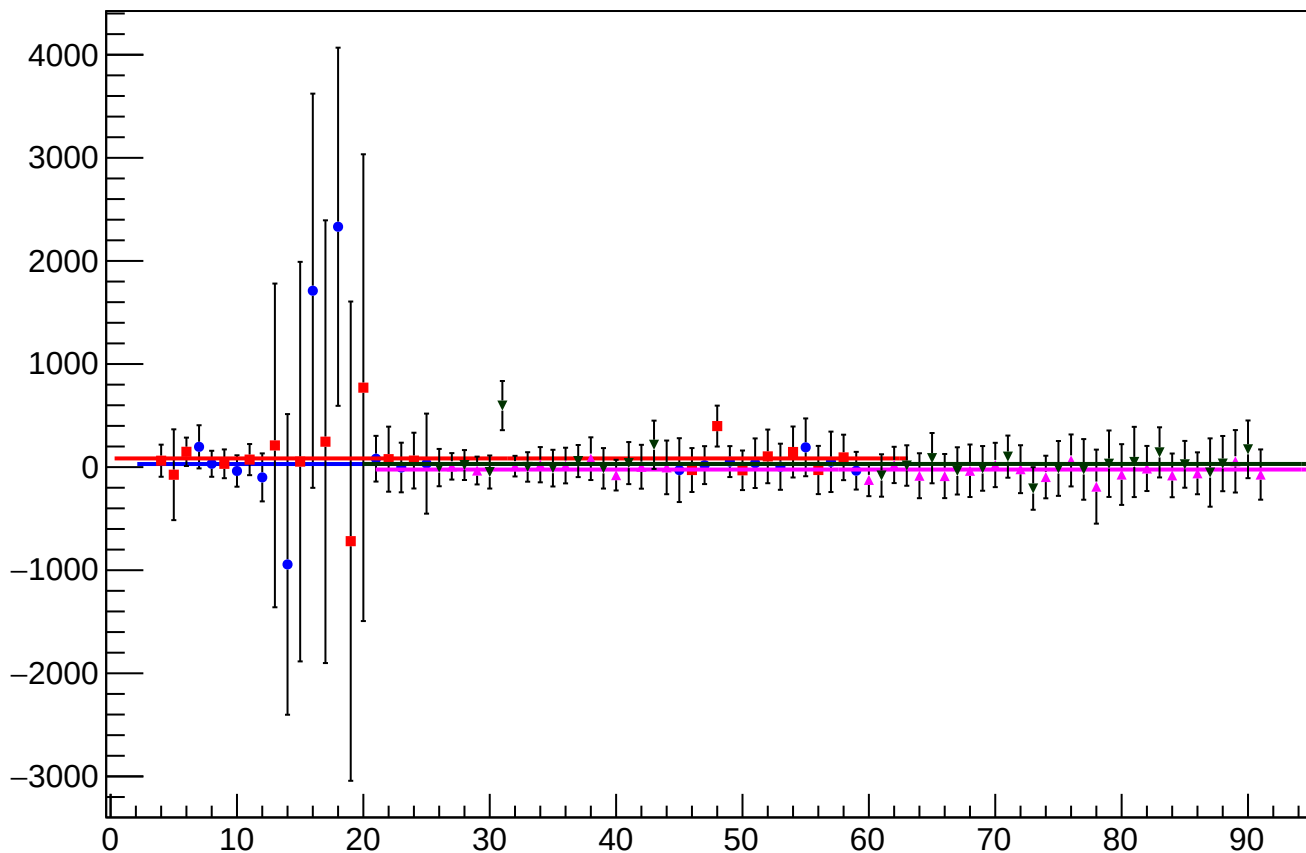
Right Out: 12.312+/-0.003 χ^2/NDF : 6373010.7/18

Left In: 17.027+/-0.004 χ^2/NDF : 1337814.9/24

14.686+/-0.002 χ^2/NDF : 7529680.0/43

14.574+/-0.002 χ^2/NDF : 8640827.6/43

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

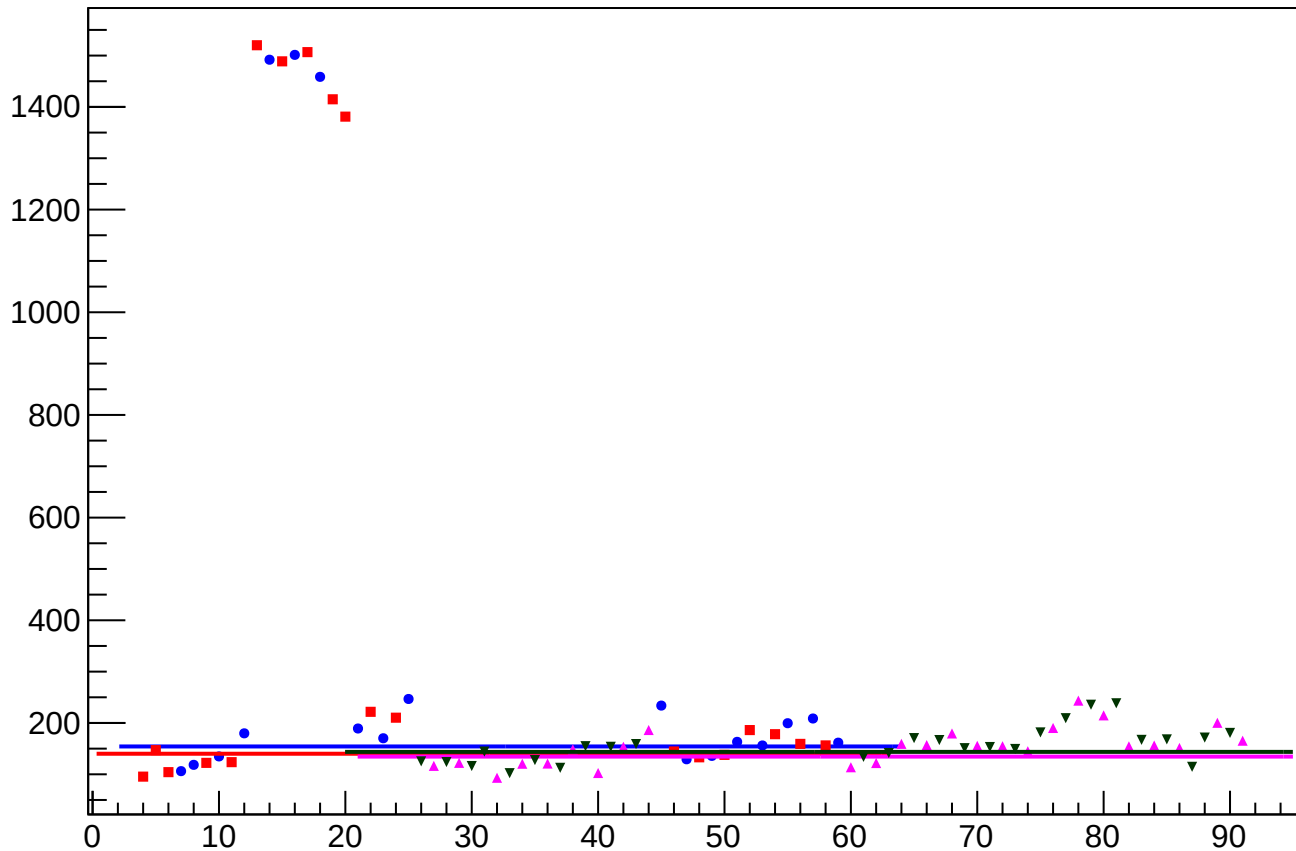
Right Out: 84.316+/-52.424 χ^2/NDF : 4.2/18

Left In: -23.442+/-37.449 χ^2/NDF : 2.1/24

30.477+/-32.265 χ^2/NDF : 14.0/43

12.967+/-30.473 χ^2/NDF : 9.1/43

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

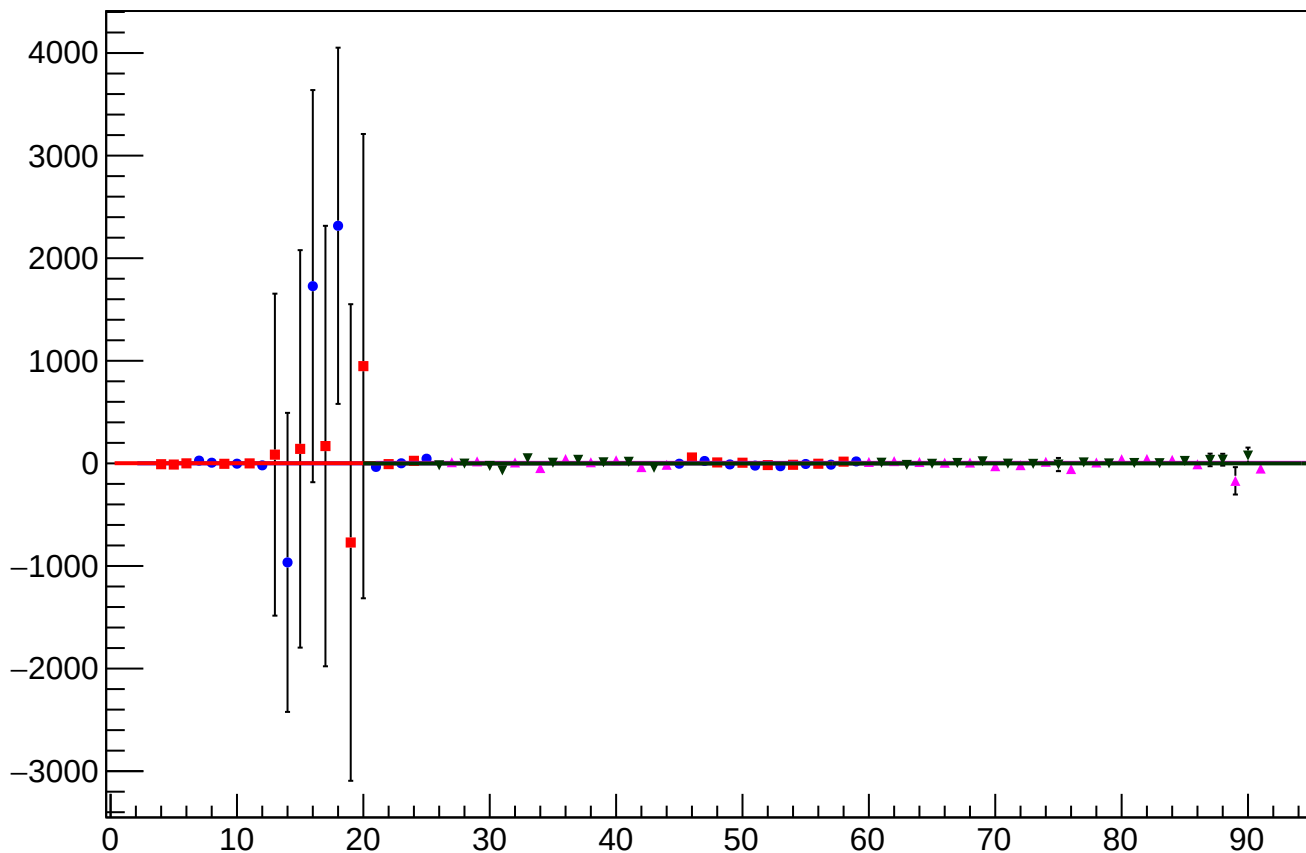
147.699+/-0.023 χ^2/NDF : 5663835.3/43

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

136.367+/-0.022 χ^2/NDF : 6727347.0/43

Left In: 134.488+/-0.026 χ^2/NDF :1422525.3/24

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs slug



Right In: 0.652 ± 4.315 $\chi^2/\text{NDF}: 16.0/17$

Left Out: -0.003 ± 4.935 $\chi^2/\text{NDF}: 21.3/25$

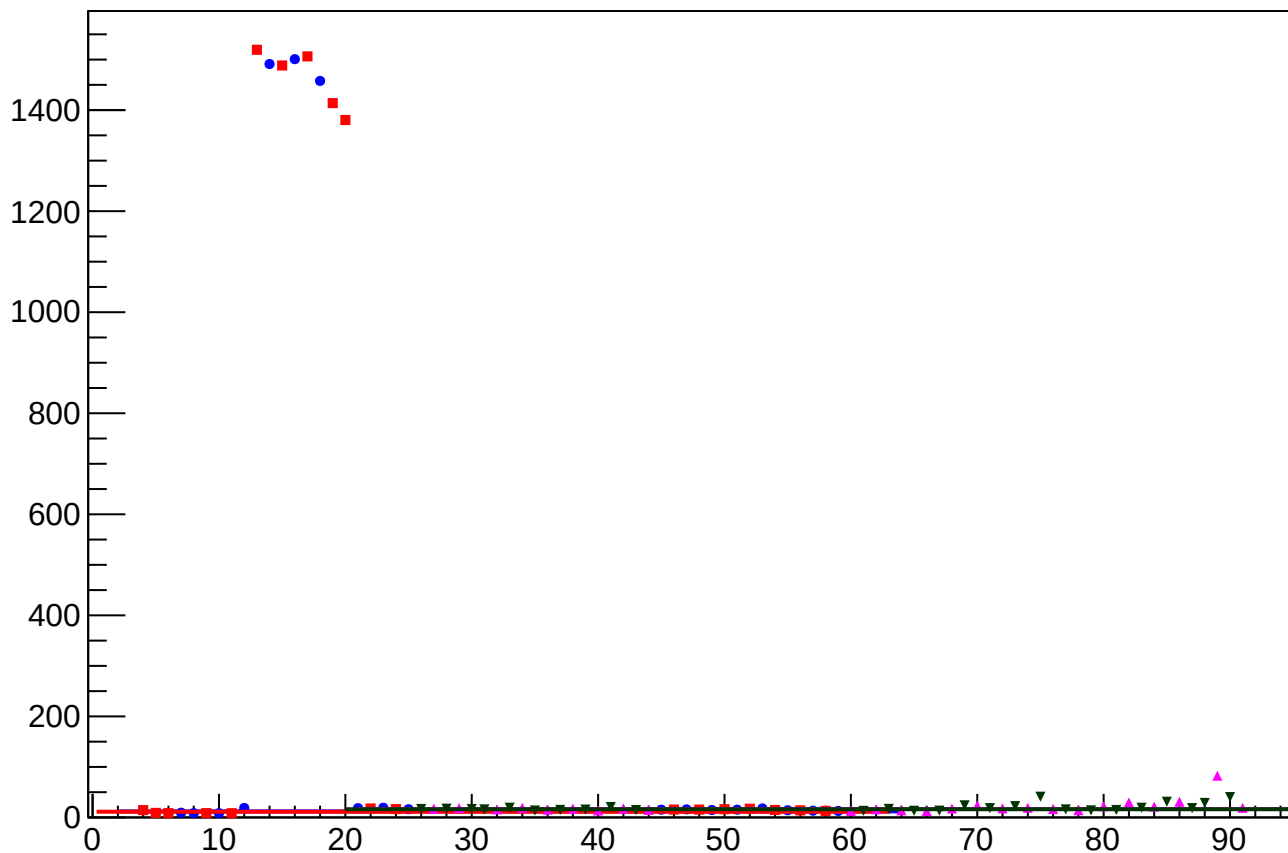
Right Out: 1.782 ± 4.470 $\chi^2/\text{NDF}: 10.1/18$

Left In: 5.367 ± 4.885 $\chi^2/\text{NDF}: 27.2/24$

0.368 ± 3.248 $\chi^2/\text{NDF}: 37.4/43$

3.415 ± 3.298 $\chi^2/\text{NDF}: 37.7/43$

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

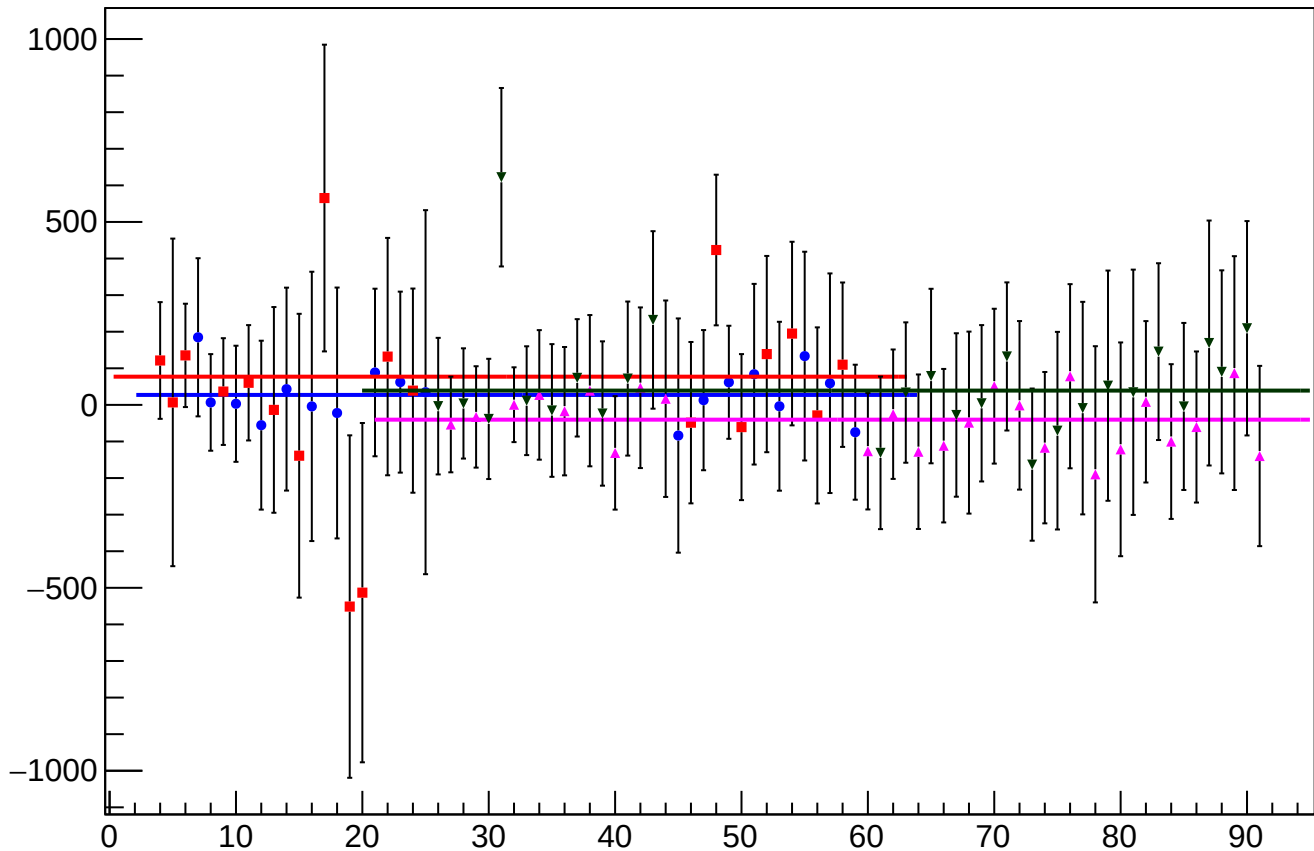
Right Out: 11.361+/-0.003 χ^2/NDF : 6645877.2/18

Left In: 16.639+/-0.003 χ^2/NDF : 1352846.7/24

13.872+/-0.002 χ^2/NDF : 8192921.7/43

13.766+/-0.002 χ^2/NDF : 9269818.5/43

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

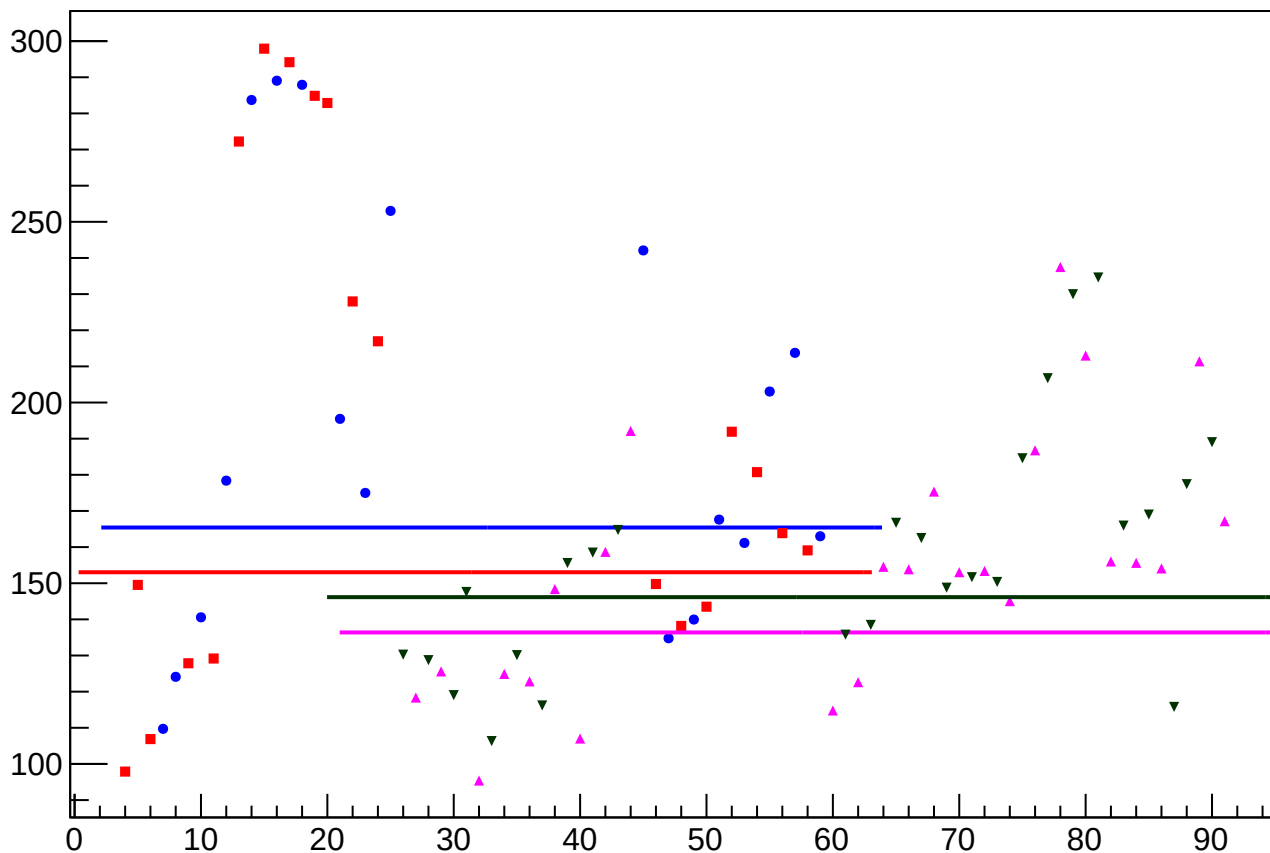
Right Out: 77.113+/-51.687 χ^2/NDF : 9.7/18

Left In: -40.395+/-37.910 χ^2/NDF : 2.9/24

34.432+/-32.436 χ^2/NDF : 11.5/43

0.708+/-30.569 χ^2/NDF : 16.0/43

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs slug



Right In: 165.419 $\pm$ 0.037 χ^2 /NDF: 1636400.3/17

Left Out: 146.152 $\pm$ 0.029 χ^2 /NDF: 911128.1/25

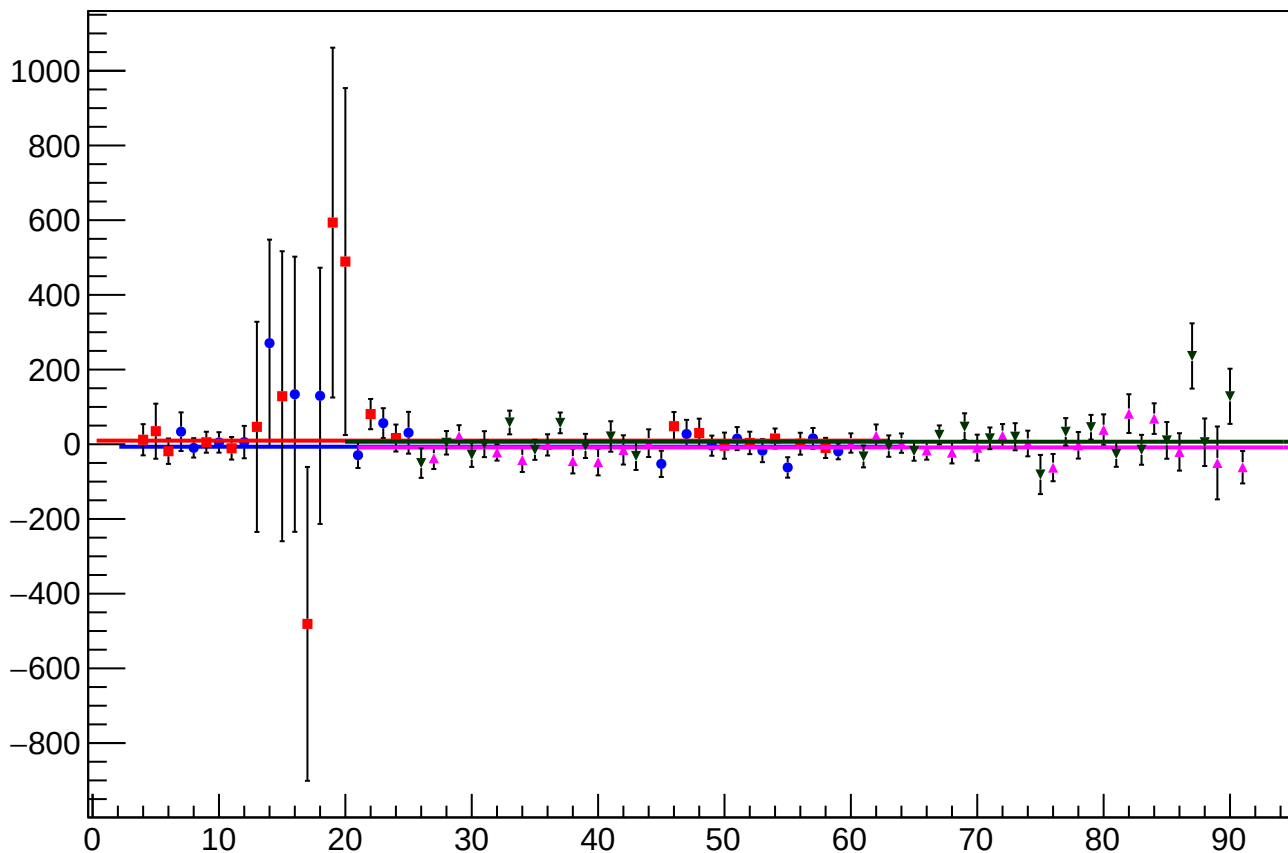
153.702 $\pm$ 0.023 χ^2 /NDF: 2715702.6/43

Right Out: 153.039 $\pm$ 0.037 χ^2 /NDF: 2037868.3/18

142.211 $\pm$ 0.022 χ^2 /NDF: 3476535.8/43

Left In: 136.386 $\pm$ 0.027 χ^2 /NDF: 1303673.0/24

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

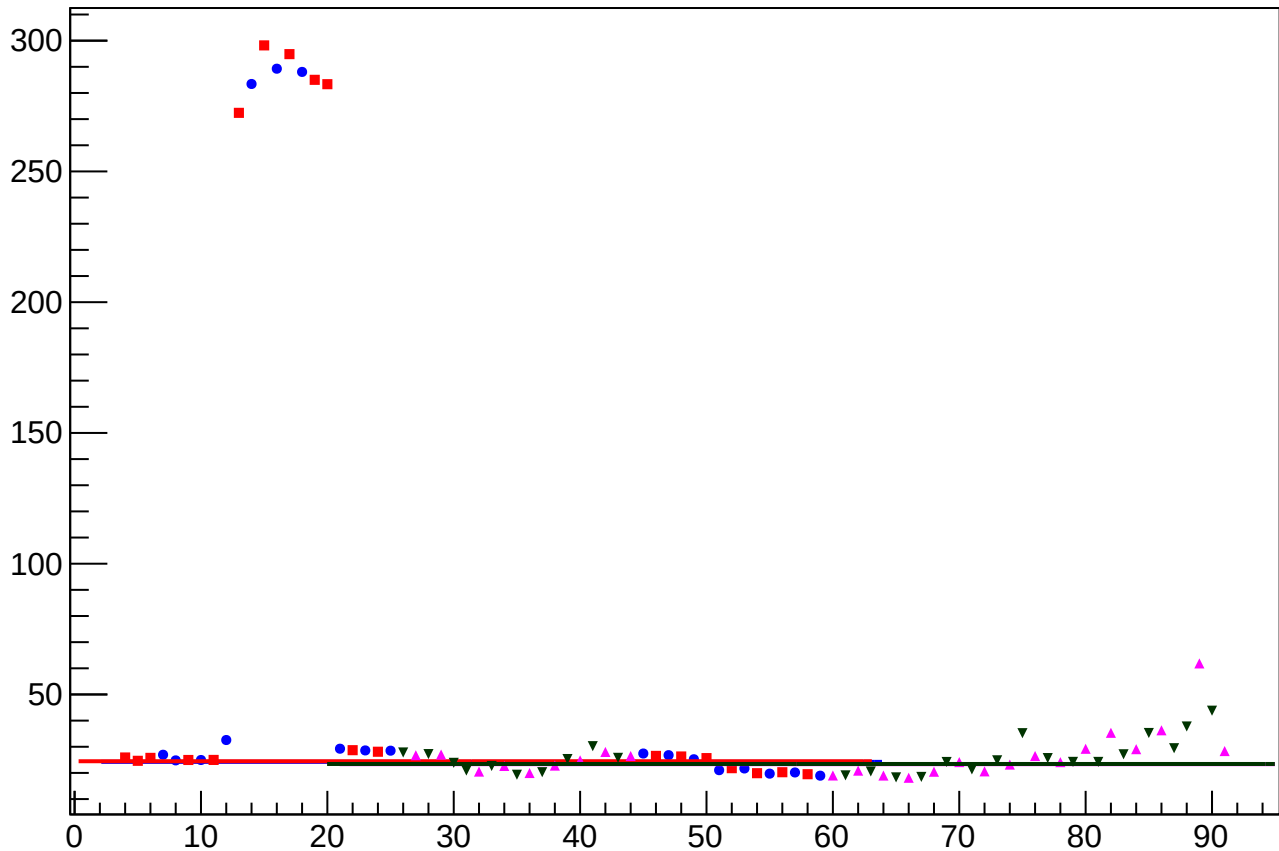
Right Out: 9.755 ± 8.898 χ^2/NDF : 10.7/18

Left In: -8.351 ± 6.531 χ^2/NDF : 20.9/24

1.318 ± 5.176 χ^2/NDF : 47.0/43

-2.012 ± 5.265 χ^2/NDF : 34.2/43

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs slug



Right In: 24.225+/-0.006 χ^2/NDF : 4413051.2/17

Left Out: 23.418+/-0.005 χ^2/NDF :946563.4/25

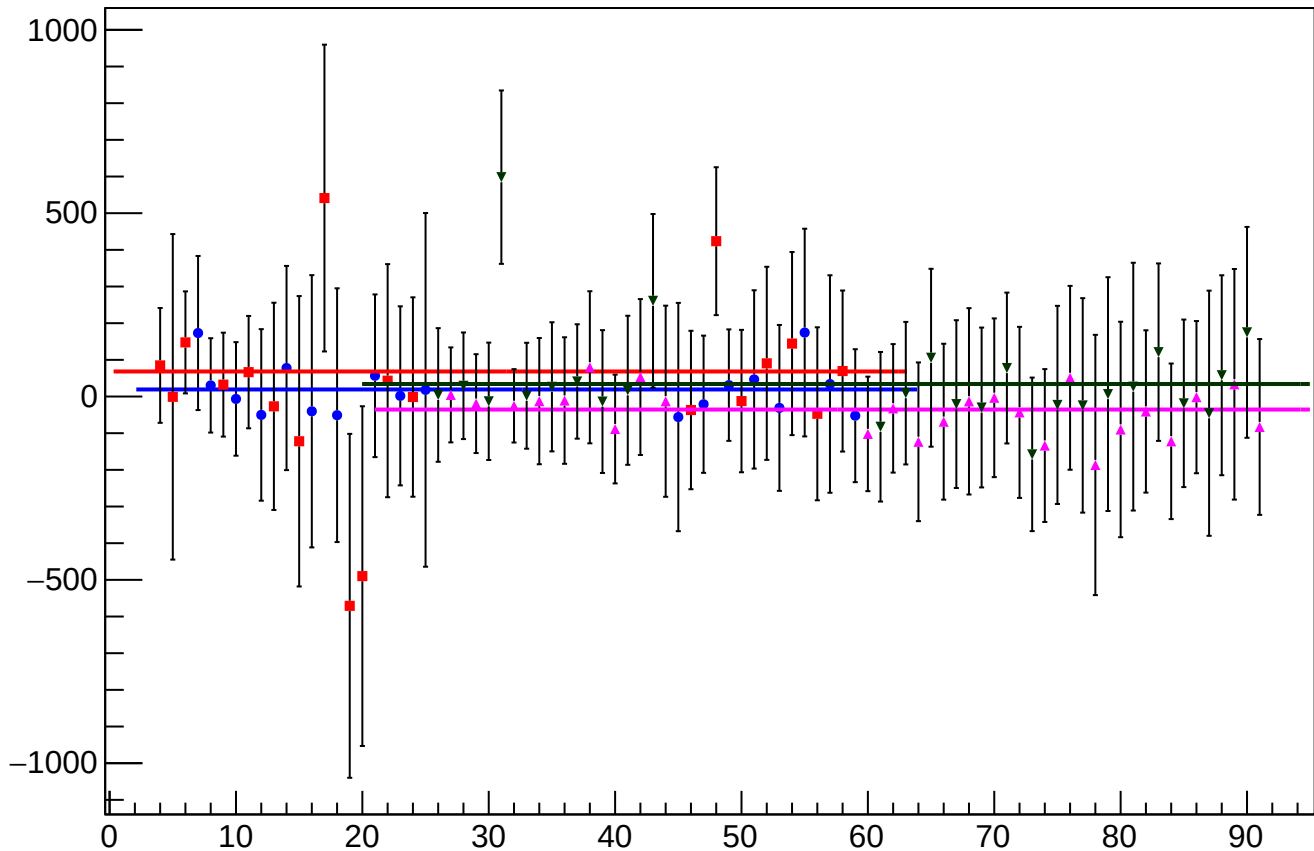
Right Out: 24.466+/-0.006 χ^2/NDF : 4859985.2/18

Left In: 23.338+/-0.005 χ^2/NDF :1093576.9/24

23.750+/-0.004 χ^2/NDF : 5371412.6/43

23.733+/-0.004 χ^2/NDF : 5974433.9/43

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

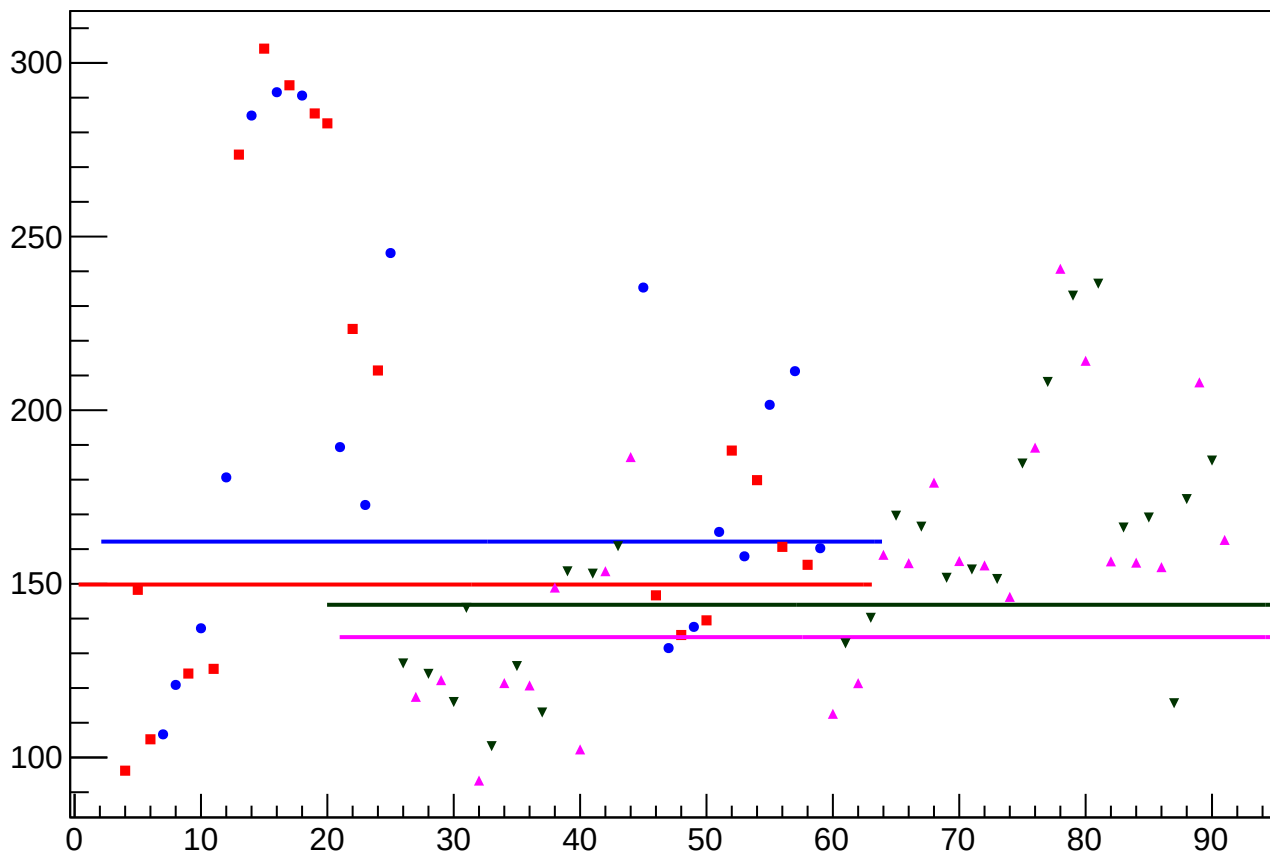
Right Out: 68.308+/-50.710 χ^2/NDF : 9.3/18

Left In: -35.495+/-37.492 χ^2/NDF : 2.0/24

28.269+/-31.966 χ^2/NDF : 10.4/43

1.191+/-30.147 χ^2/NDF : 14.0/43

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs slug



Right In: 162.166 $\pm$ 0.036 χ^2 /NDF: 1720612.8/17

Left Out: 143.972 $\pm$ 0.029 χ^2 /NDF:1020585.6/25

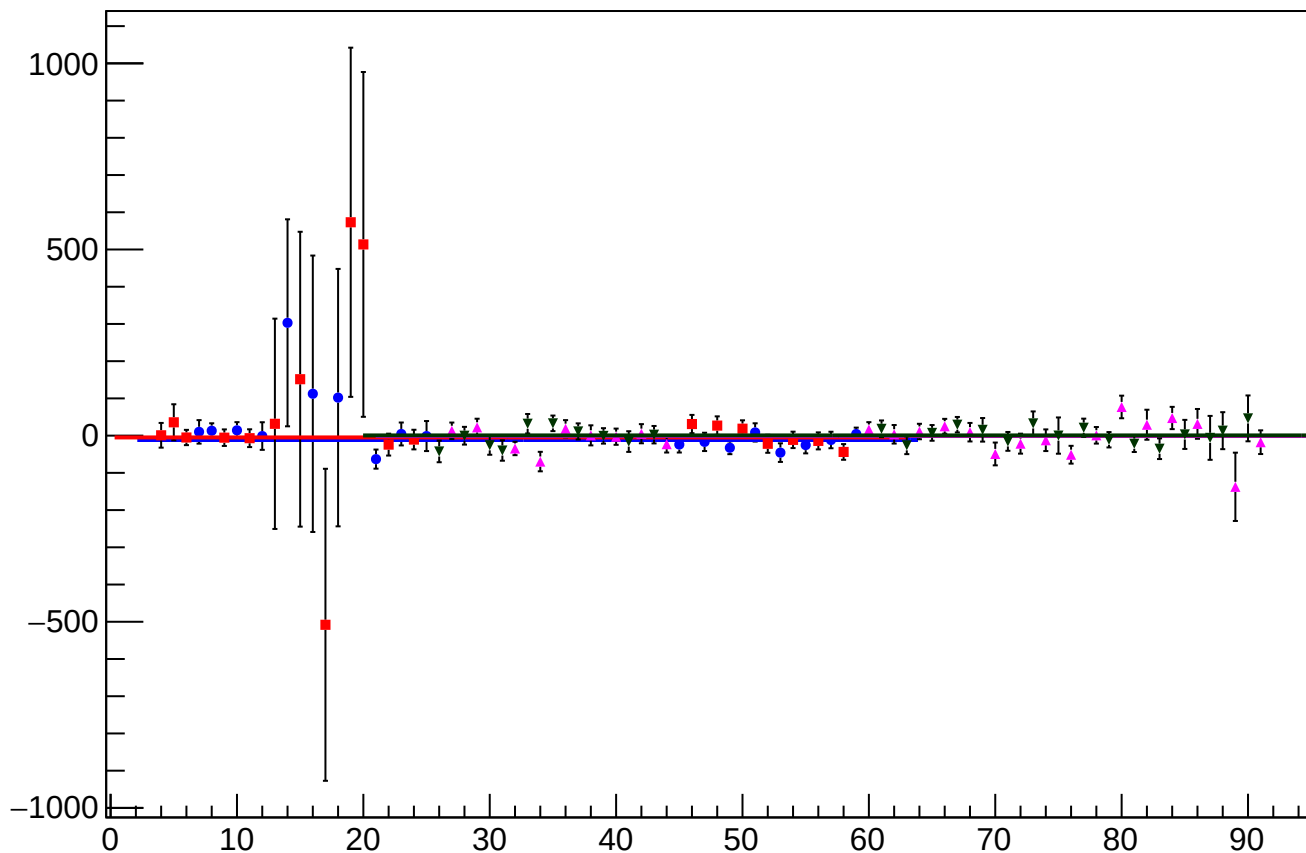
Right Out: 149.803 $\pm$ 0.036 χ^2 /NDF: 2114602.4/18

Left In: 134.658 $\pm$ 0.027 χ^2 /NDF:1431261.3/24

151.144 $\pm$ 0.023 χ^2 /NDF: 2895927.5/43

140.010 $\pm$ 0.021 χ^2 /NDF: 3661220.7/43

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

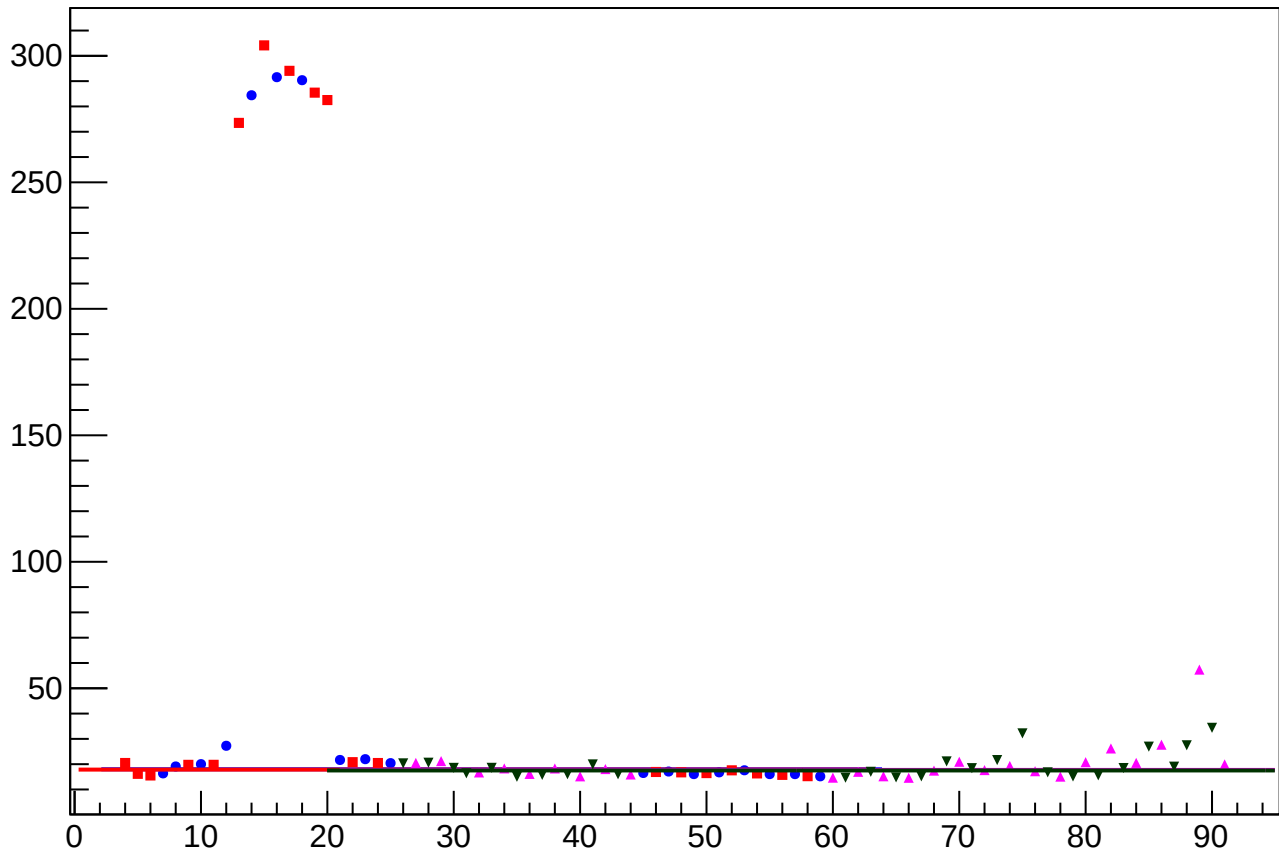
Right Out: -4.846 $\pm$ 6.550 χ^2 /NDF: 14.7/18

Left In: -1.080 $\pm$ 5.010 χ^2 /NDF: 37.1/24

-4.566 $\pm$ 3.899 χ^2 /NDF: 37.2/43

-2.470 $\pm$ 3.979 χ^2 /NDF: 52.0/43

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

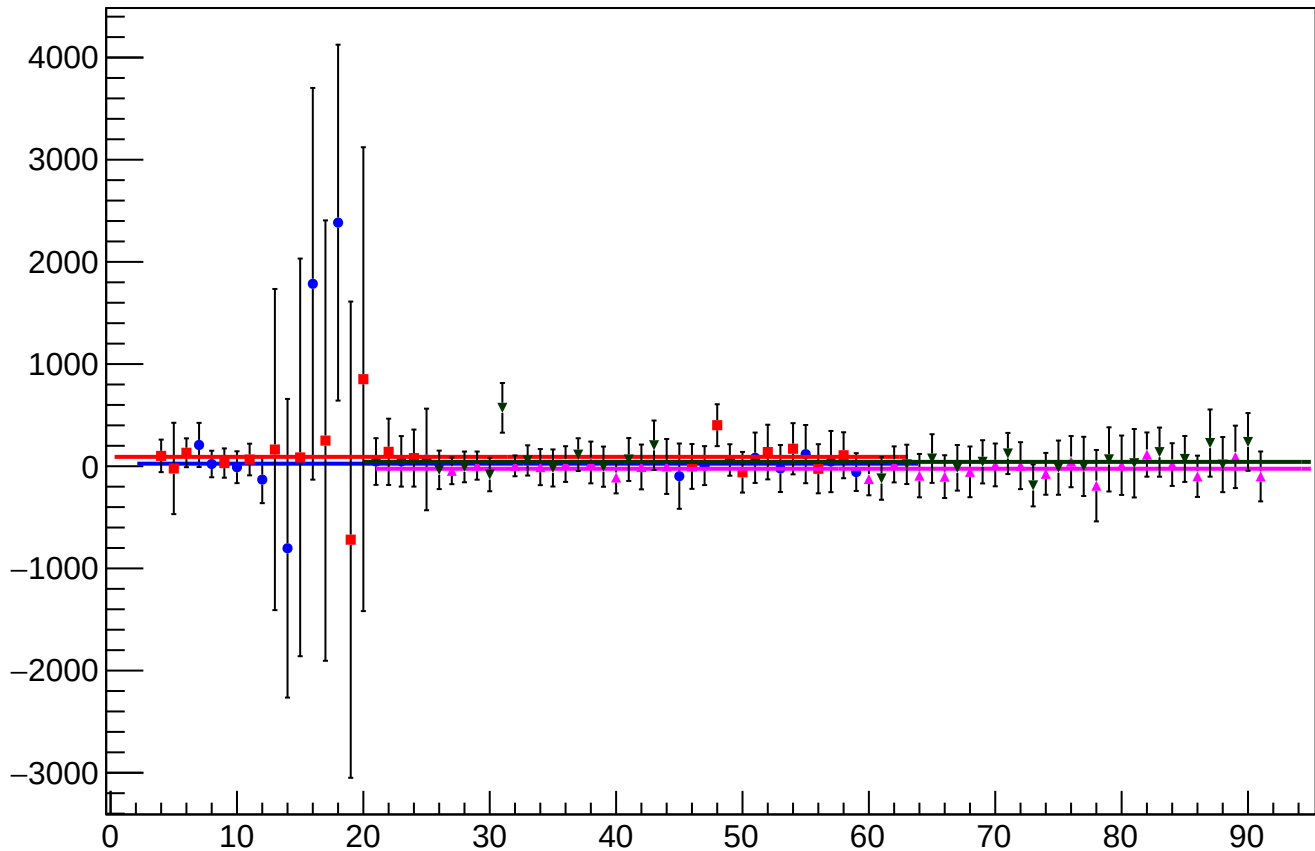
17.717 $\pm$ 0.003 χ^2 /NDF: 5397130.2/43

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

17.779 $\pm$ 0.003 χ^2 /NDF: 5986333.9/43

Left In: 17.735 $\pm$ 0.004 χ^2 /NDF: 951791.3/24

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

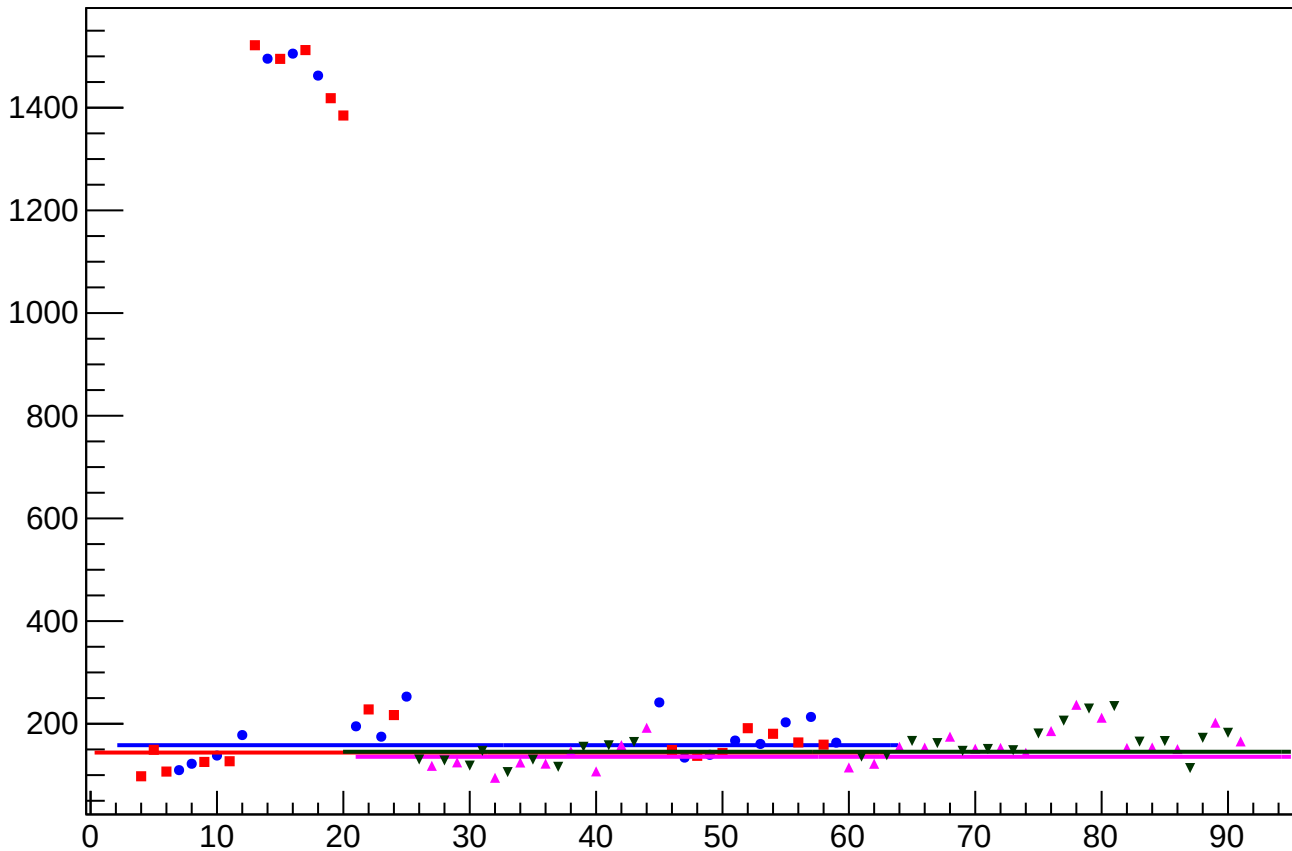
Right Out: 91.771+/-53.823 χ^2/NDF : 4.0/18

Left In: -24.651+/-37.699 χ^2/NDF : 2.6/24

36.099+/-32.753 χ^2/NDF : 14.5/43

13.667+/-30.878 χ^2/NDF : 9.8/43

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs slug



Right In: 158.277 $\pm$ 0.038 χ^2 /NDF: 4538983.8/17

Left Out: 145.498 $\pm$ 0.029 χ^2 /NDF: 888953.7/25

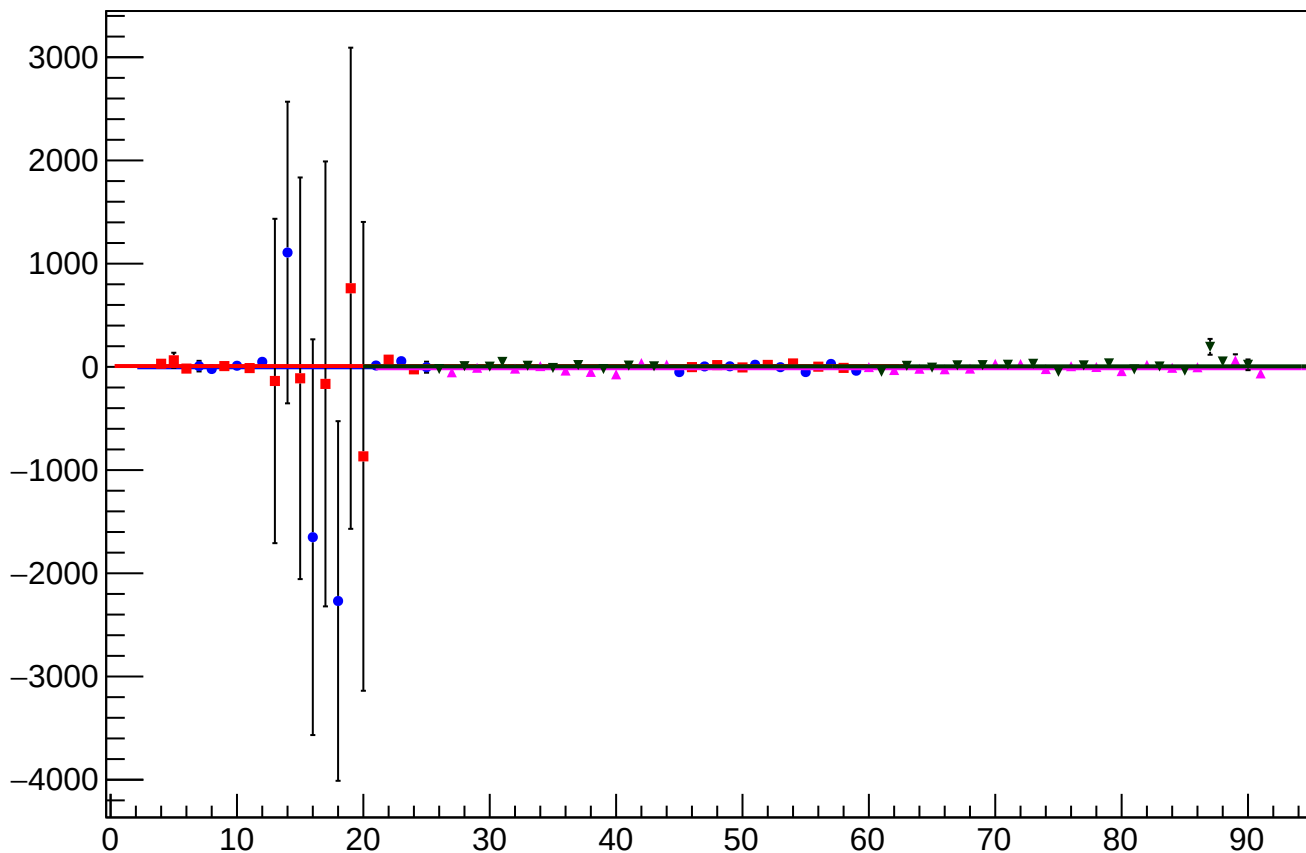
150.280 $\pm$ 0.023 χ^2 /NDF: 5499233.5/43

Right Out: 143.939 $\pm$ 0.038 χ^2 /NDF: 5267987.5/18

138.402 $\pm$ 0.022 χ^2 /NDF: 6575791.3/43

Left In: 135.686 $\pm$ 0.027 χ^2 /NDF: 1276255.7/24

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

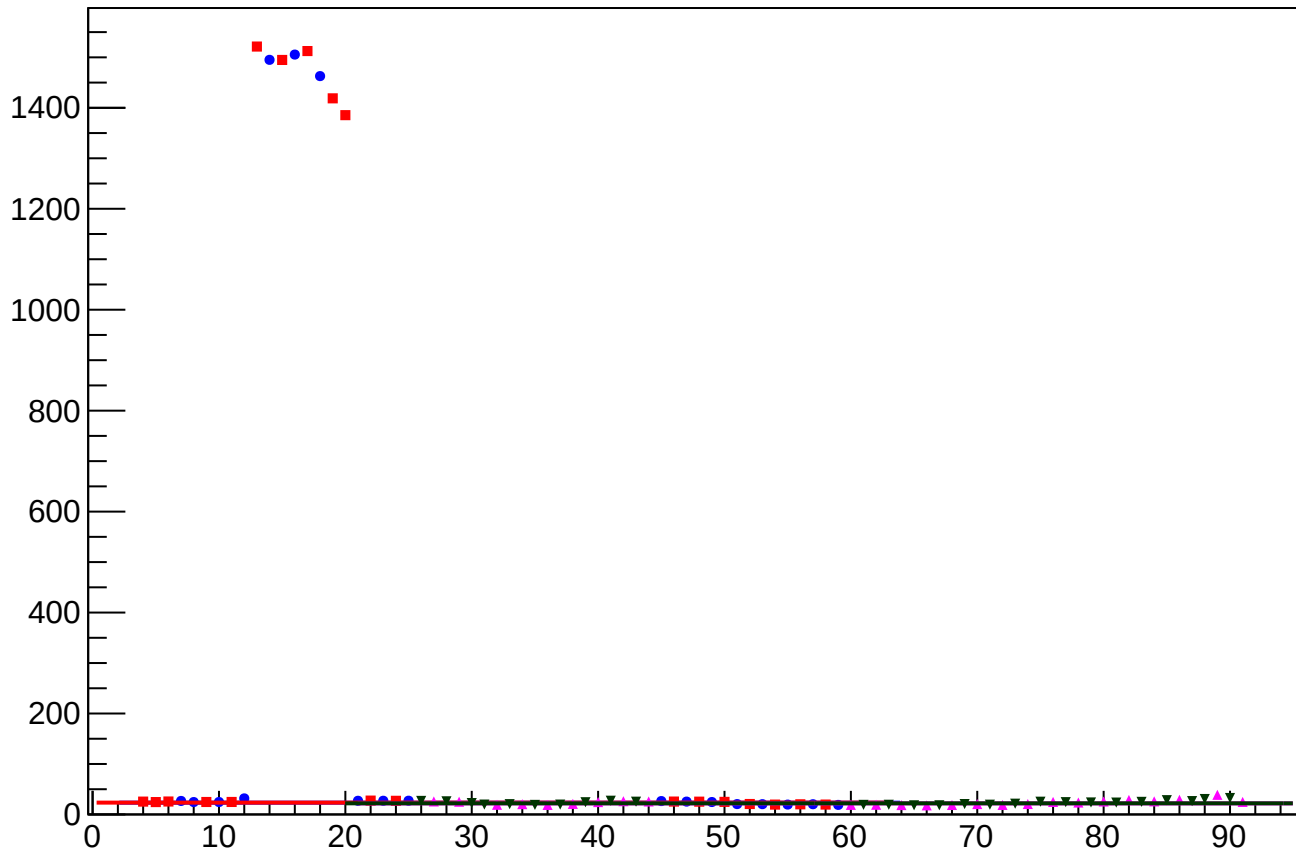
Right Out: 7.973+/-8.718 χ^2 /NDF: 7.3/18

Left In: -13.251+/-6.013 χ^2 /NDF: 20.7/24

1.601+/-4.890 χ^2 /NDF: 39.0/43

-6.410+/-4.950 χ^2 /NDF: 32.0/43

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

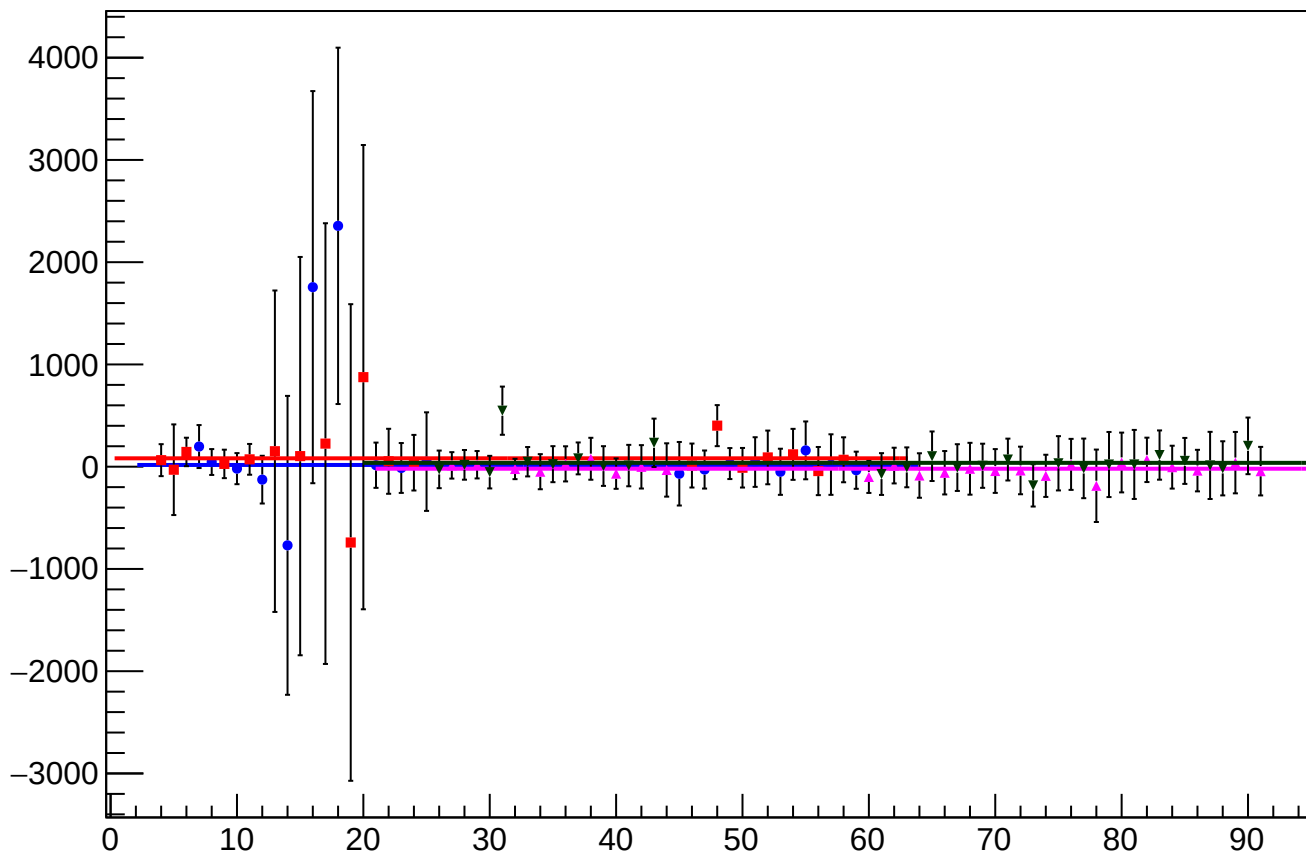
Right Out: 23.445+/-0.006 χ^2/NDF : 5561556.7/18

Left In: 21.903+/-0.004 χ^2/NDF :747848.7/24

22.548+/-0.003 χ^2/NDF : 5612365.4/43

22.400+/-0.004 χ^2/NDF : 6351773.5/43

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs slug



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

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

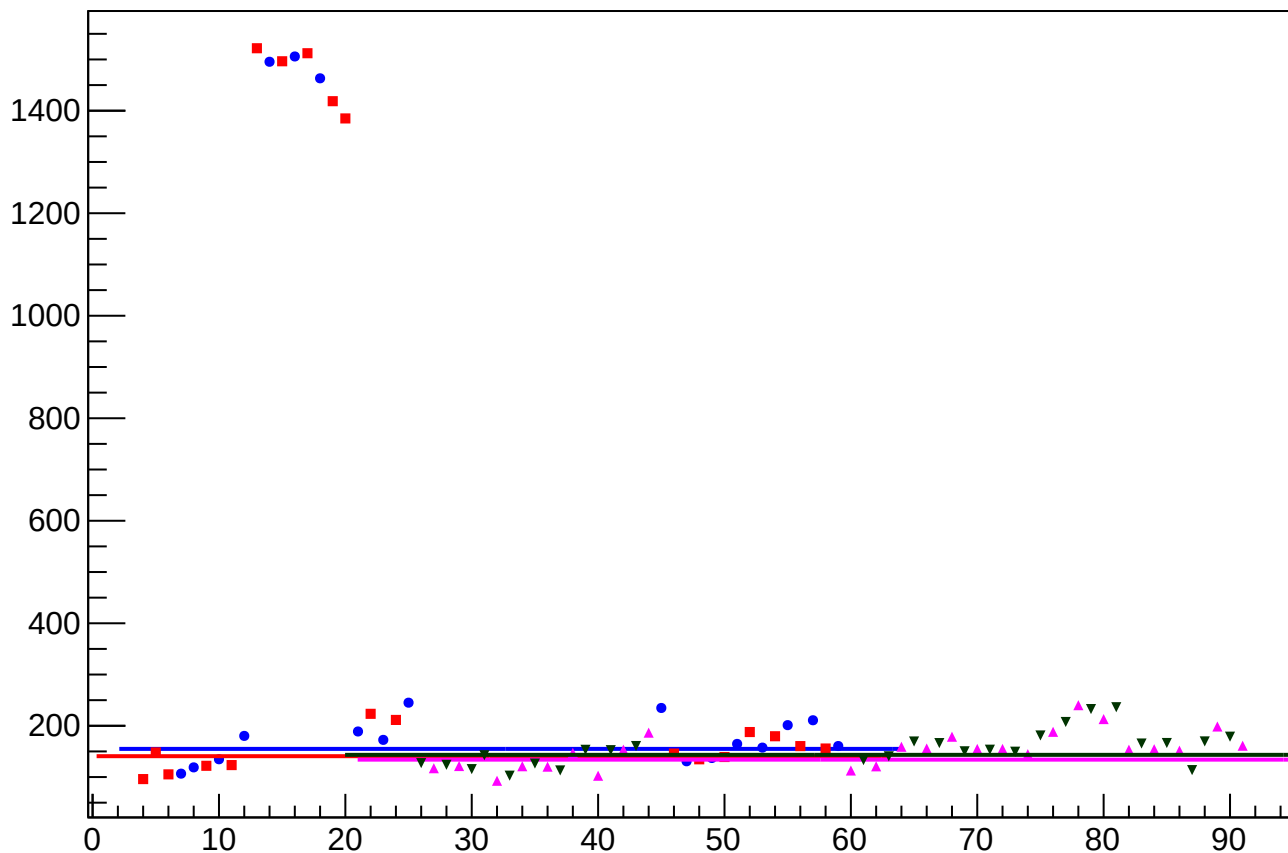
Right Out: 81.906+/-52.666 χ^2/NDF : 3.9/18

Left In: -19.938+/-37.282 χ^2/NDF : 1.7/24

29.810+/-32.252 χ^2/NDF : 13.0/43

14.060+/-30.429 χ^2/NDF : 8.1/43

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs slug



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

Left Out: 143.323+/-0.029 χ^2/NDF :996931.6/25

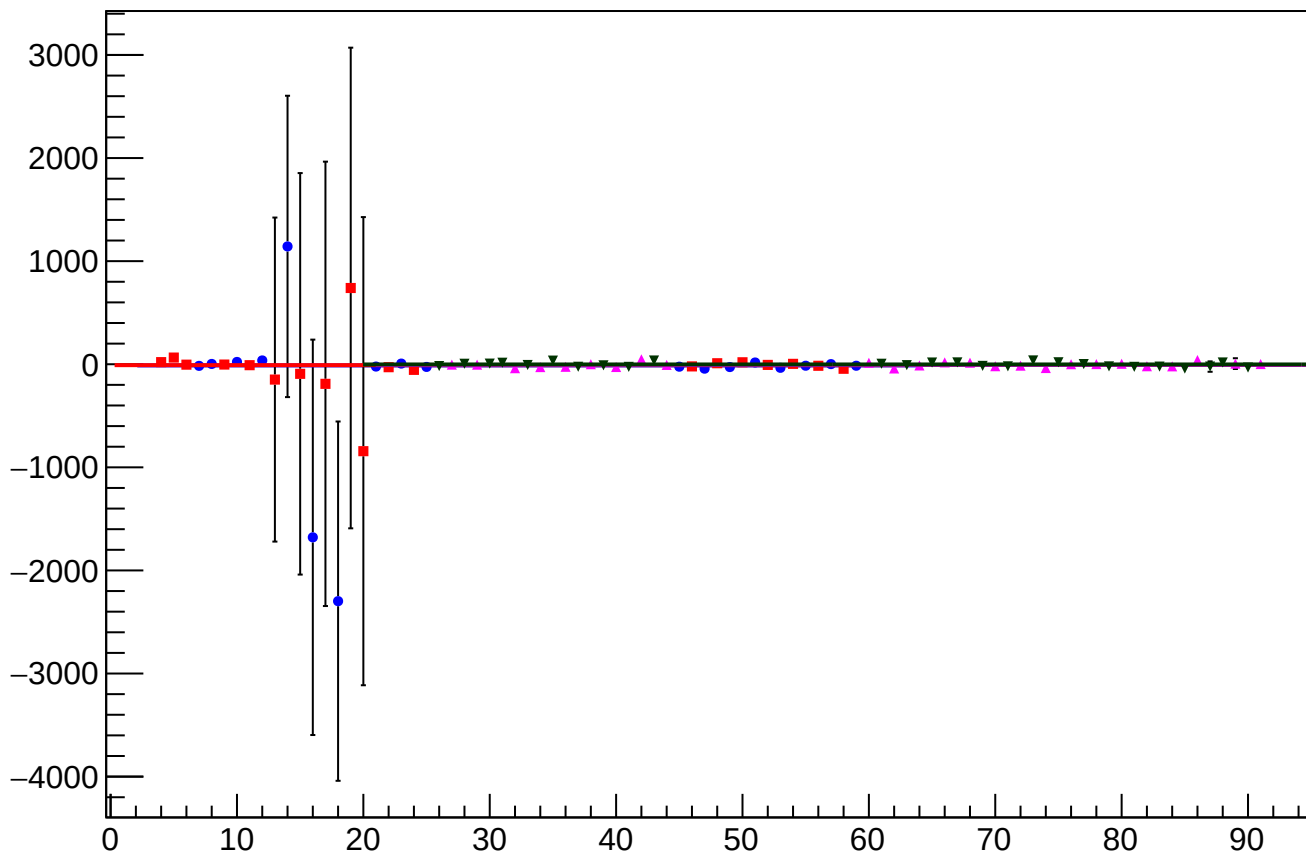
Right Out: 140.710+/-0.037 χ^2/NDF : 5291988.7/18

Left In: 133.965+/-0.026 χ^2/NDF :1402457.1/24

147.712+/-0.023 χ^2/NDF : 5638578.8/43

136.217+/-0.022 χ^2/NDF : 6716296.4/43

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

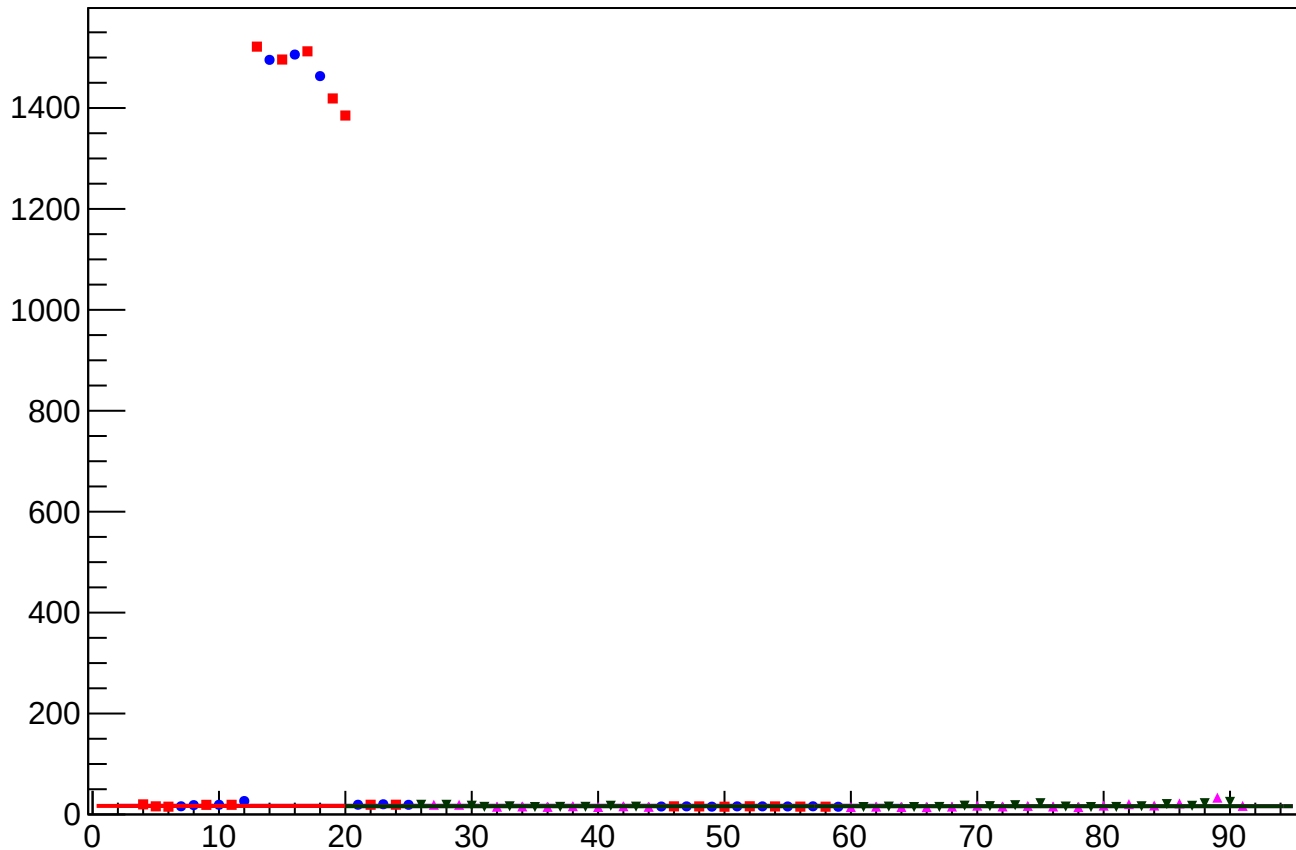
Right Out: -8.864 $\pm$ 6.293 χ^2 /NDF: 13.3/18

Left In: -7.185 $\pm$ 4.517 χ^2 /NDF: 23.5/24

-5.825 $\pm$ 3.616 χ^2 /NDF: 37.7/43

-7.756 $\pm$ 3.669 χ^2 /NDF: 36.9/43

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

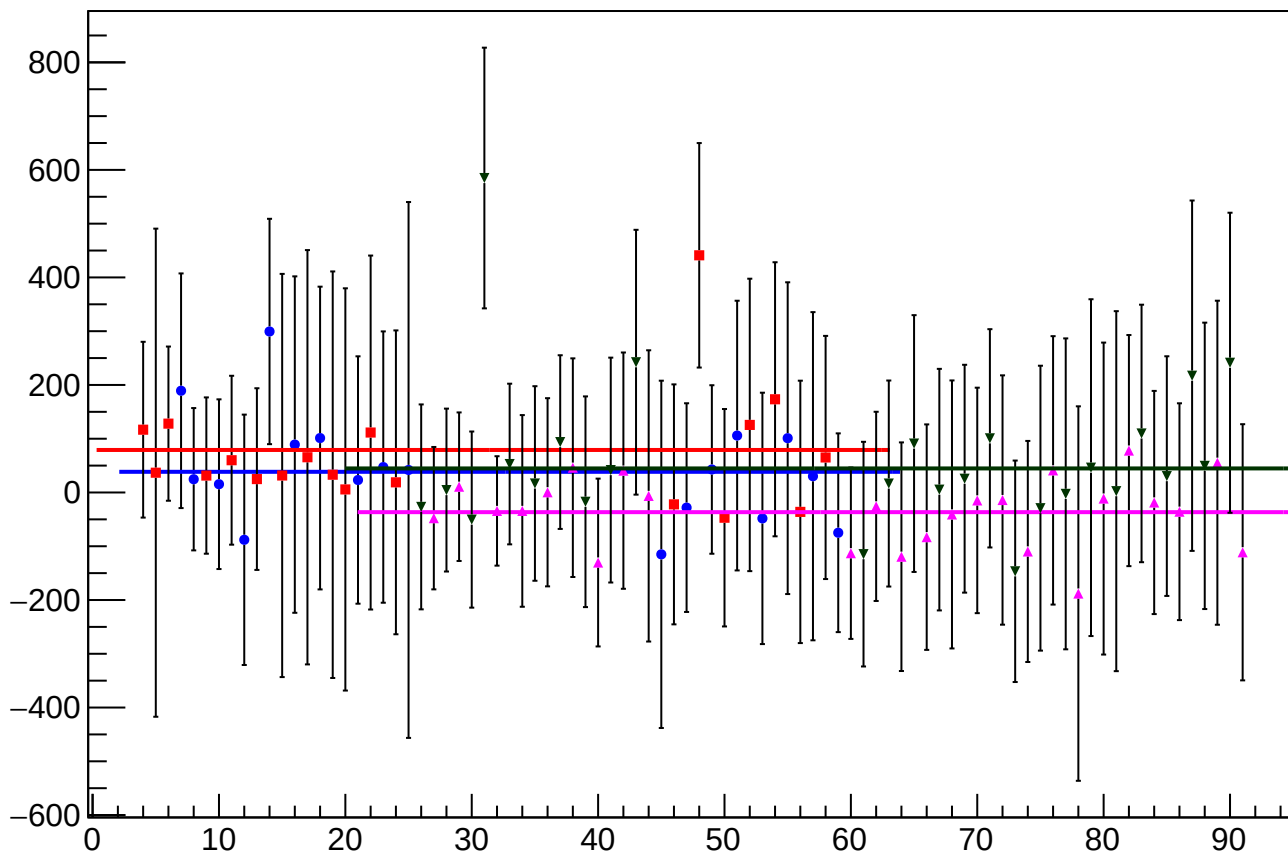
Right Out: 16.920+/-0.004 χ^2/NDF : 5539958.1/18

Left In: 16.455+/-0.003 χ^2/NDF : 500070.1/24

16.652+/-0.003 χ^2/NDF : 5365909.8/43

16.613+/-0.003 χ^2/NDF : 6047236.9/43

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

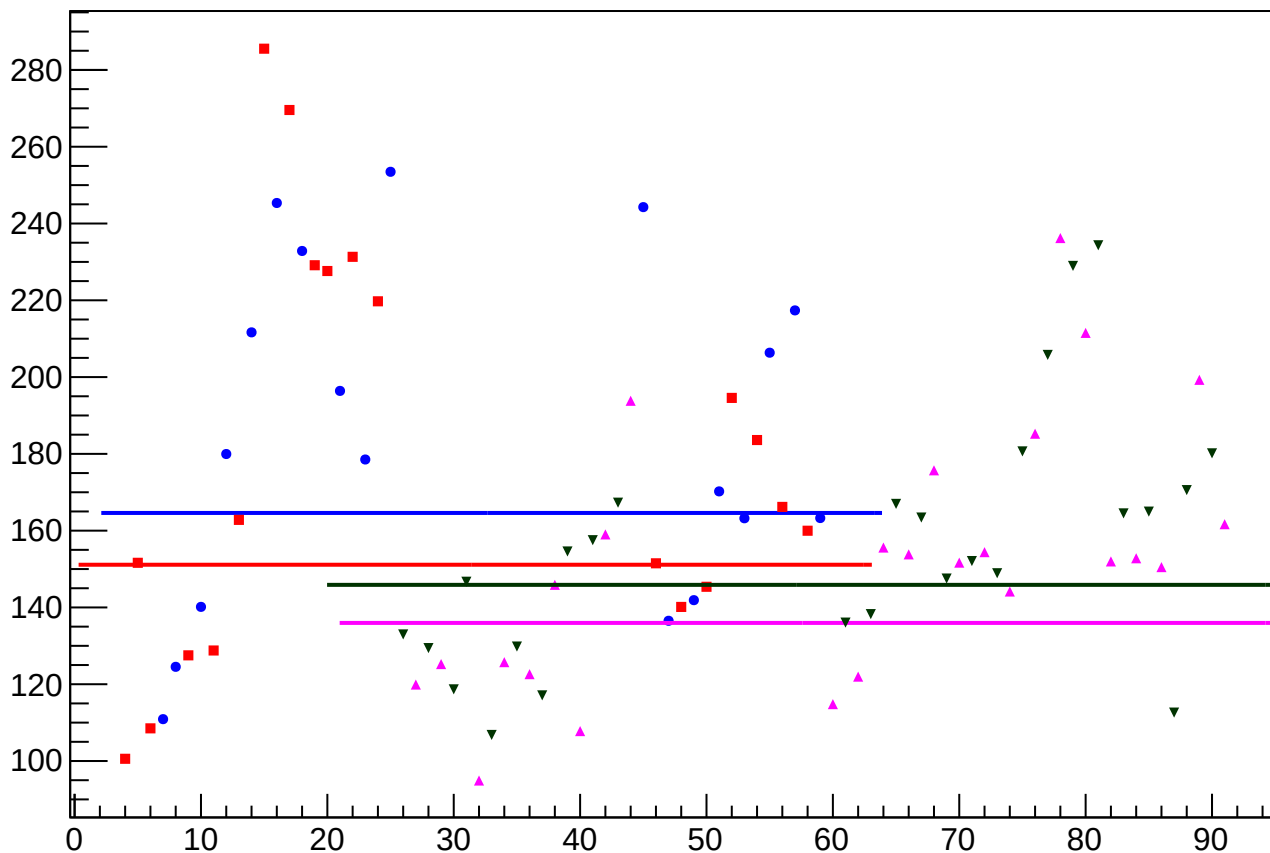
Right Out: 79.078+/-50.233 χ^2/NDF : 4.5/18

Left In: -36.603+/-37.754 χ^2/NDF : 2.2/24

42.237+/-32.188 χ^2/NDF : 12.4/43

5.153+/-30.180 χ^2/NDF : 10.1/43

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

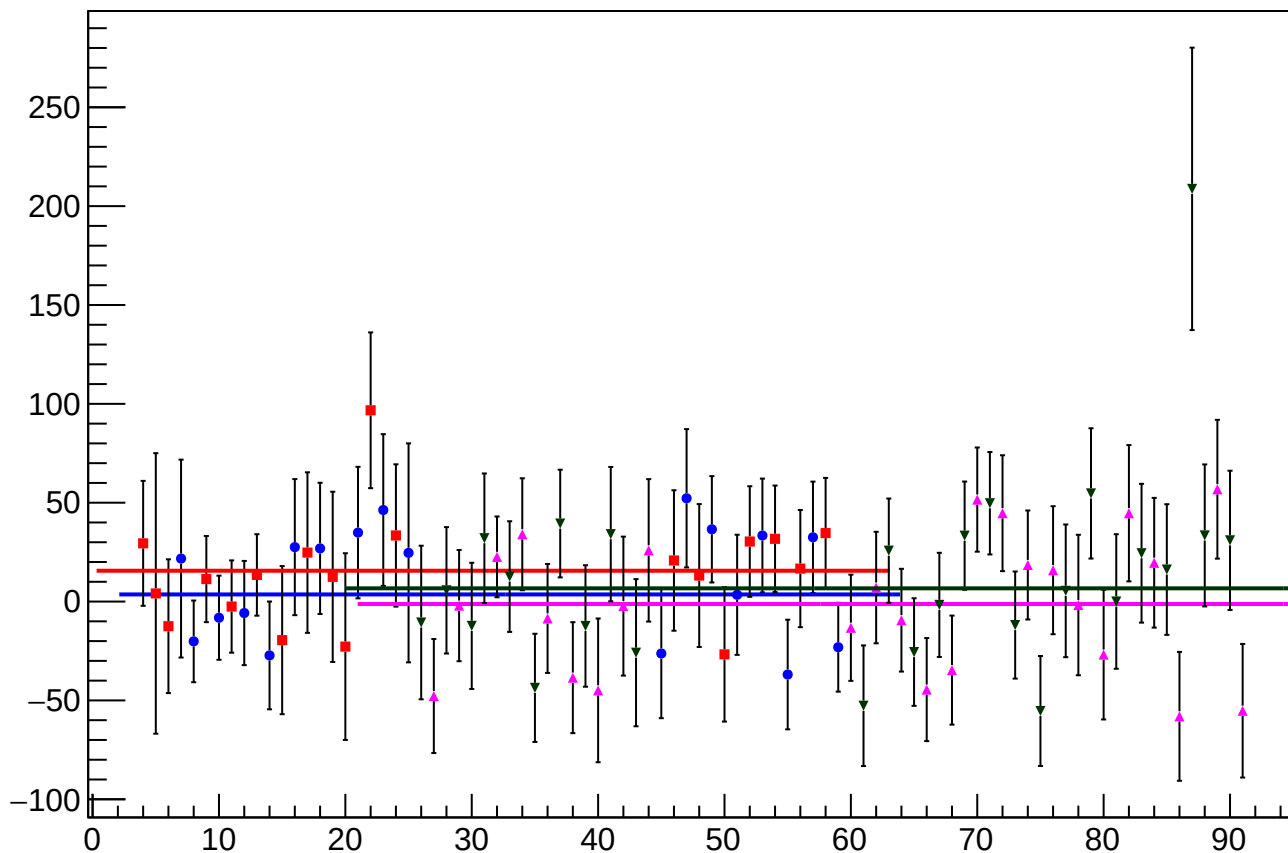
153.332 $\pm$ 0.023 χ^2 /NDF: 2153509.4/43

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

141.440 $\pm$ 0.021 χ^2 /NDF: 2790942.6/43

Left In: 135.970 $\pm$ 0.027 χ^2 /NDF: 1251205.5/24

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs slug



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

Left Out: 6.689+/-6.071 χ^2/NDF : 34.3/25

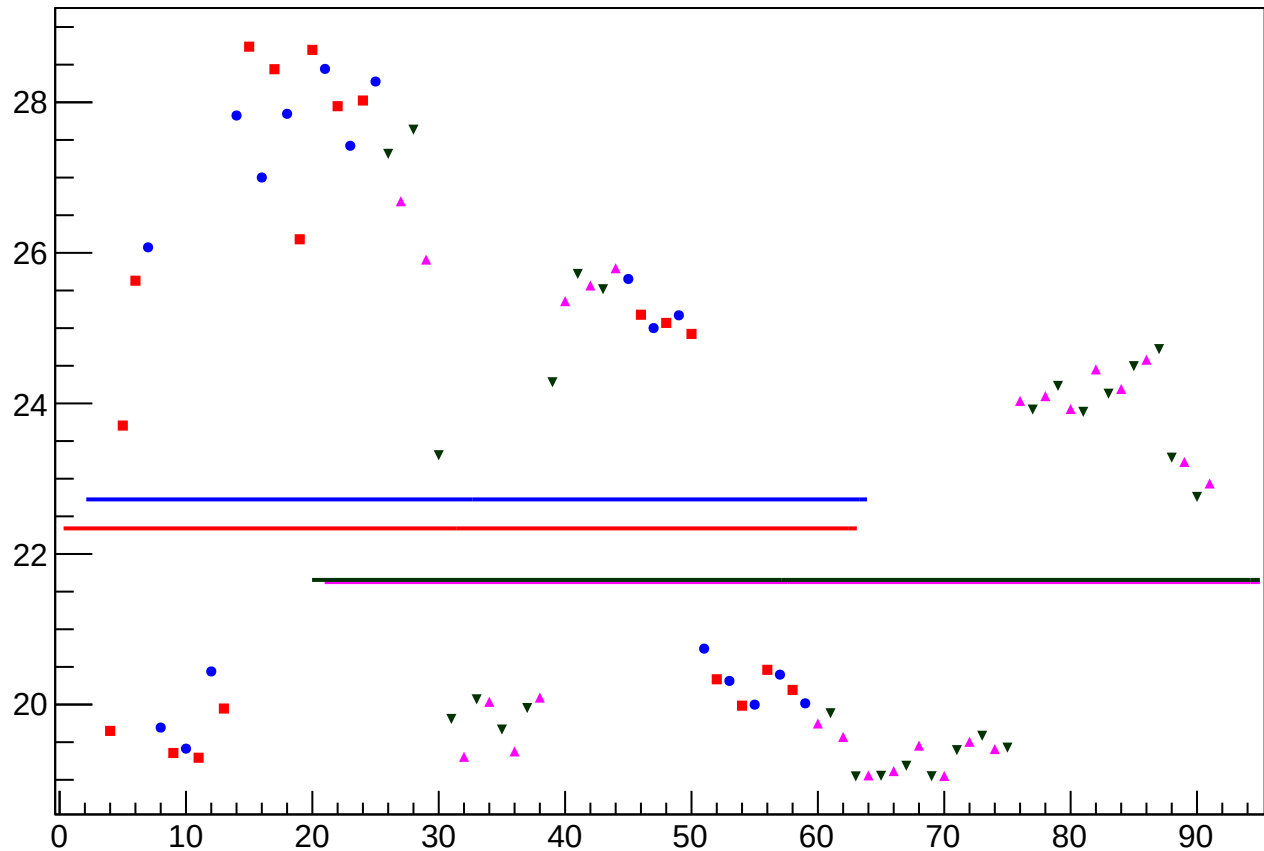
Right Out: 15.596+/-7.143 χ^2/NDF : 10.3/18

Left In: -1.229+/-5.878 χ^2/NDF : 32.4/24

5.331+/-4.541 χ^2/NDF : 50.8/43

5.565+/-4.539 χ^2/NDF : 46.0/43

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs slug



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

Left Out: 21.655+/-0.004 χ^2/NDF : 398331.5/25

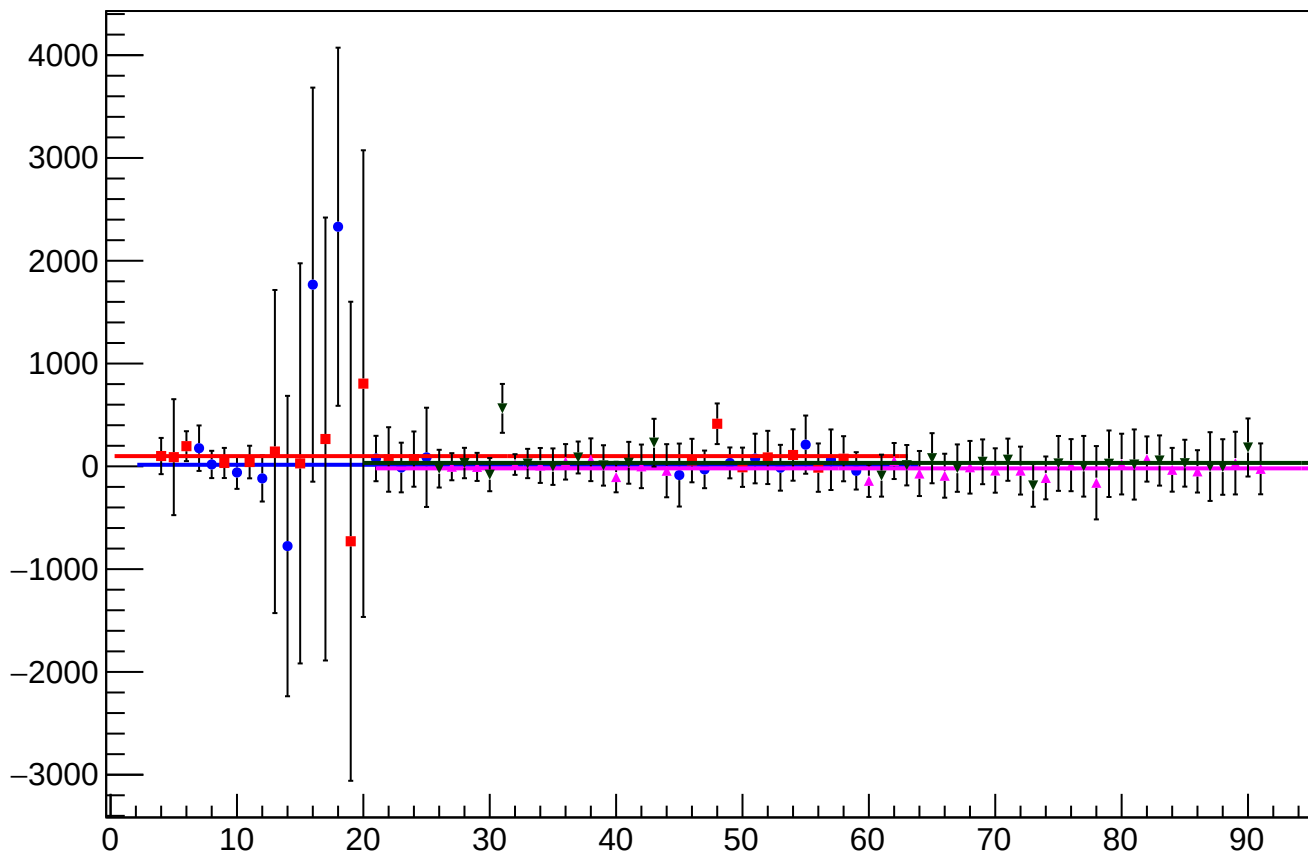
22.127+/-0.003 χ^2/NDF : 924450.5/43

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

21.915+/-0.003 χ^2/NDF : 897545.7/43

Left In: 21.627+/-0.004 χ^2/NDF : 425643.2/24

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

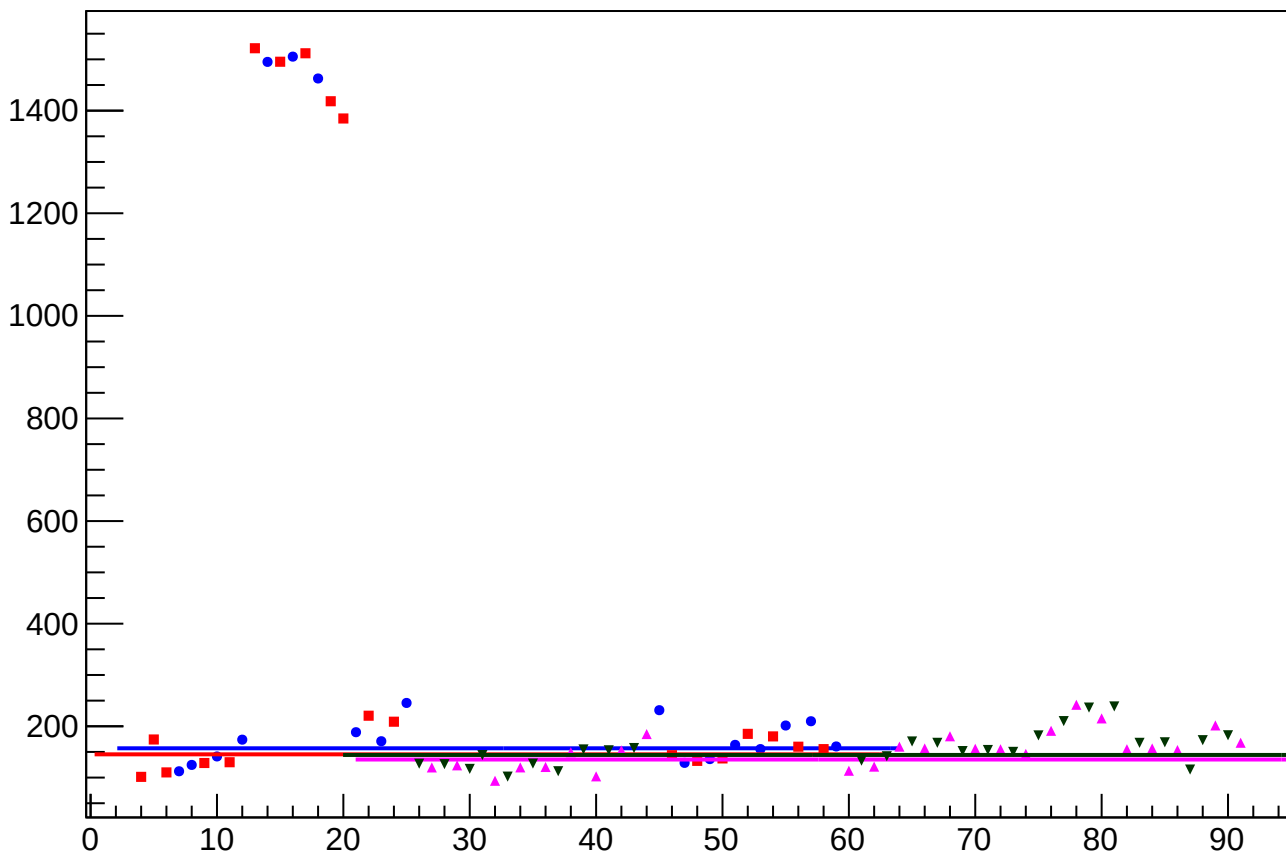
Right Out: 99.514+/-54.286 χ^2/NDF : 4.2/18

Left In: -19.749+/-37.630 χ^2/NDF : 2.4/24

26.516+/-32.501 χ^2/NDF : 13.5/43

18.958+/-30.927 χ^2/NDF : 9.8/43

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

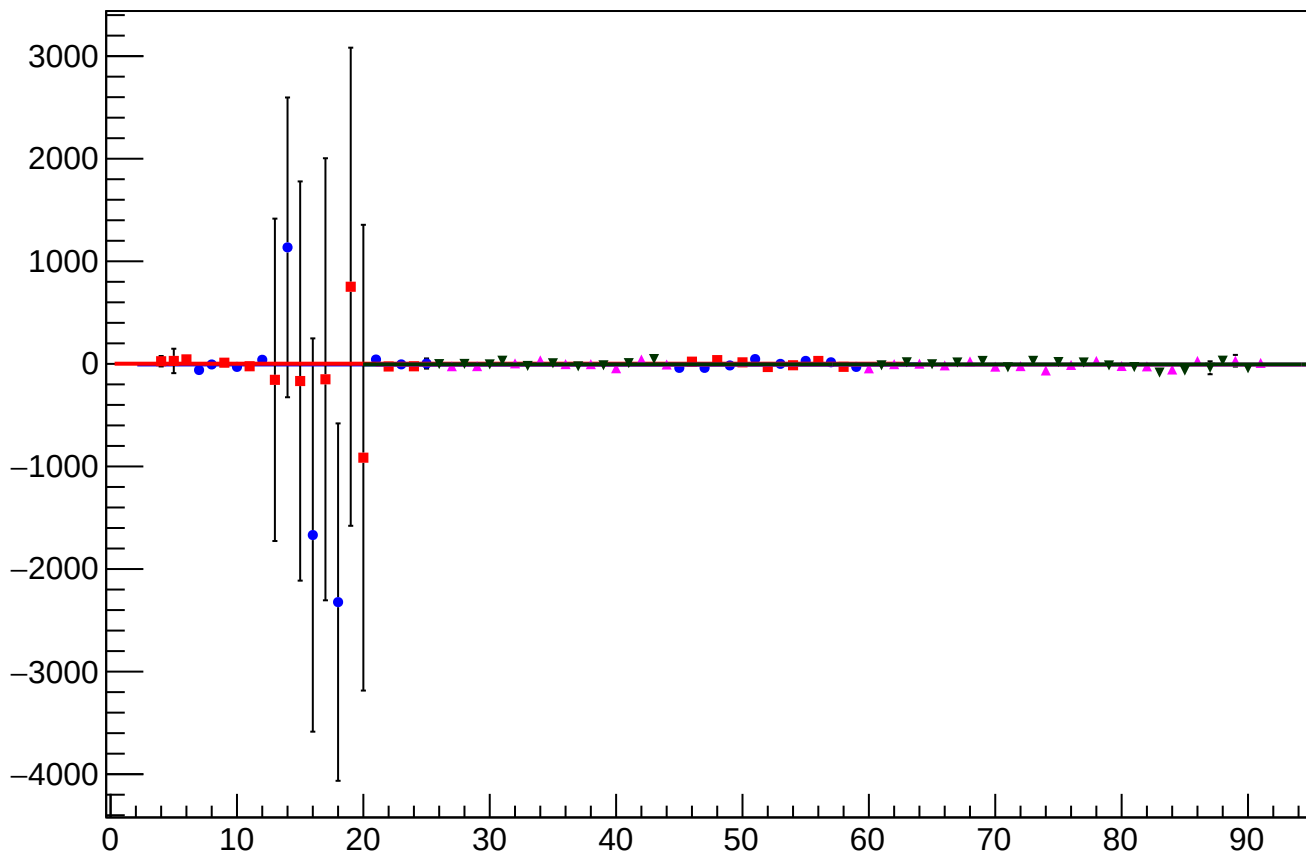
148.996+/-0.023 χ^2/NDF : 5561242.0/43

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

138.482+/-0.022 χ^2/NDF : 6583777.3/43

Left In: 135.206+/-0.027 χ^2/NDF :1412940.7/24

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

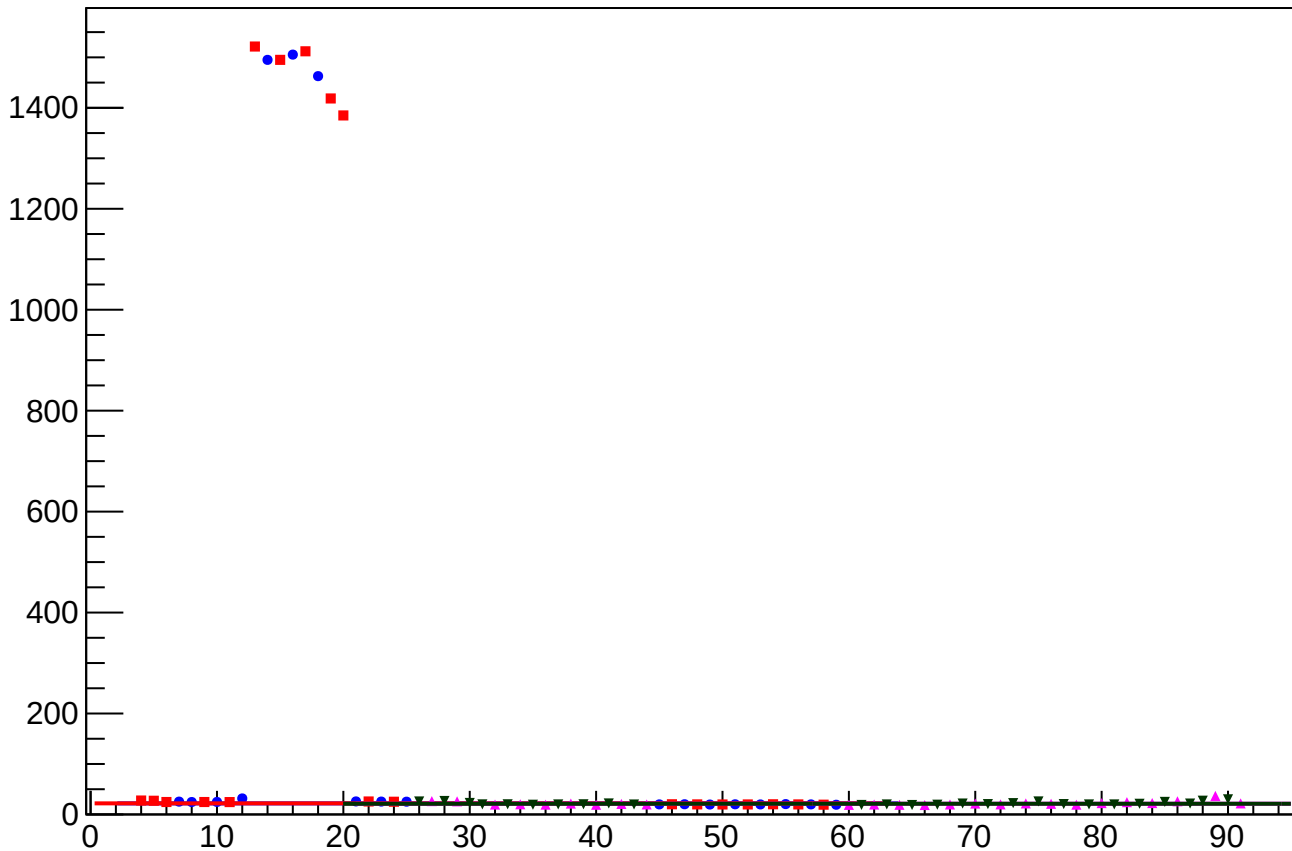
Right Out: 1.722+/-8.261 χ^2/NDF : 10.4/18

Left In: -7.638+/-5.789 χ^2/NDF : 21.1/24

-5.341+/-4.647 χ^2/NDF : 42.3/43

-4.556+/-4.741 χ^2/NDF : 32.4/43

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

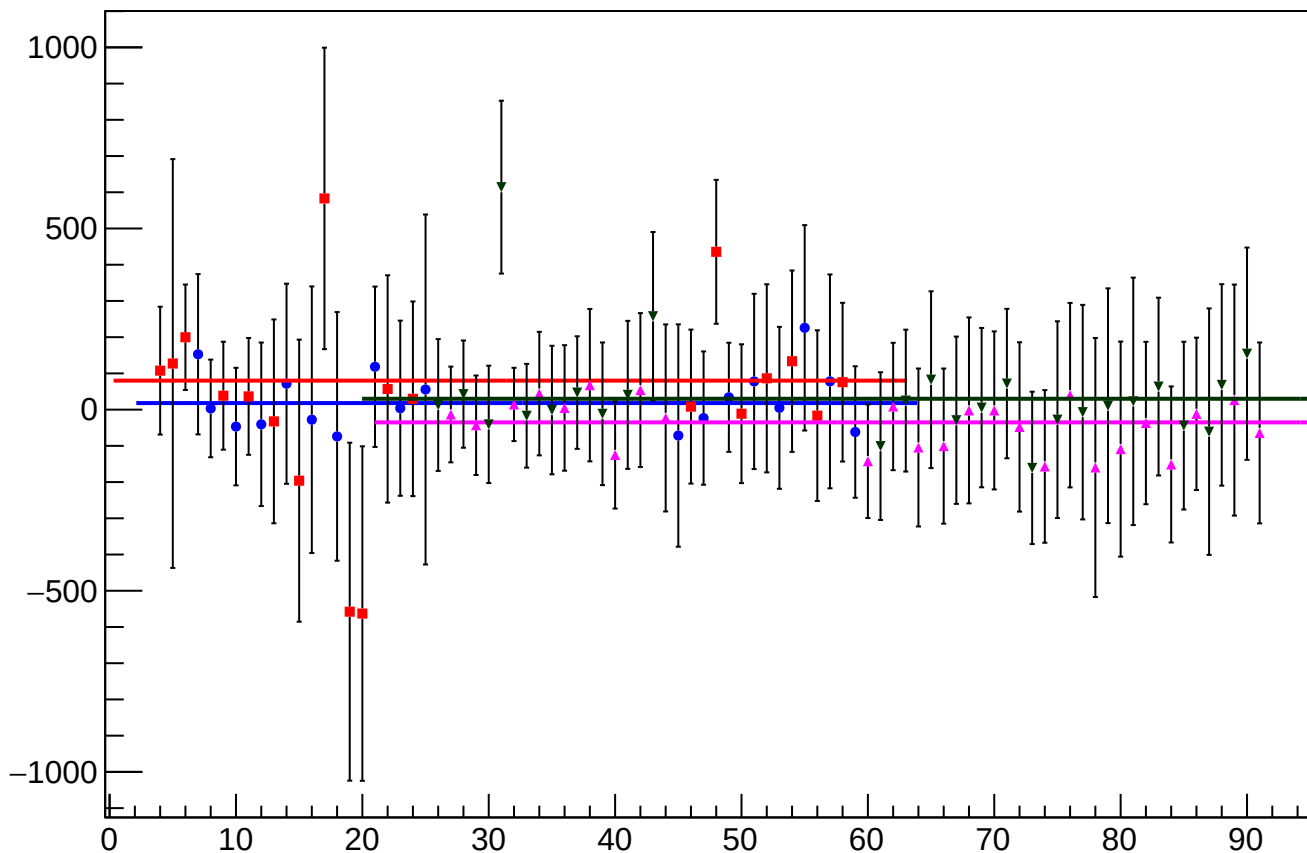
21.494 $\pm$ 0.003 χ^2 /NDF: 5290323.6/43

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

21.465 $\pm$ 0.003 χ^2 /NDF: 6012952.3/43

Left In: 21.209 $\pm$ 0.004 χ^2 /NDF: 441080.8/24

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

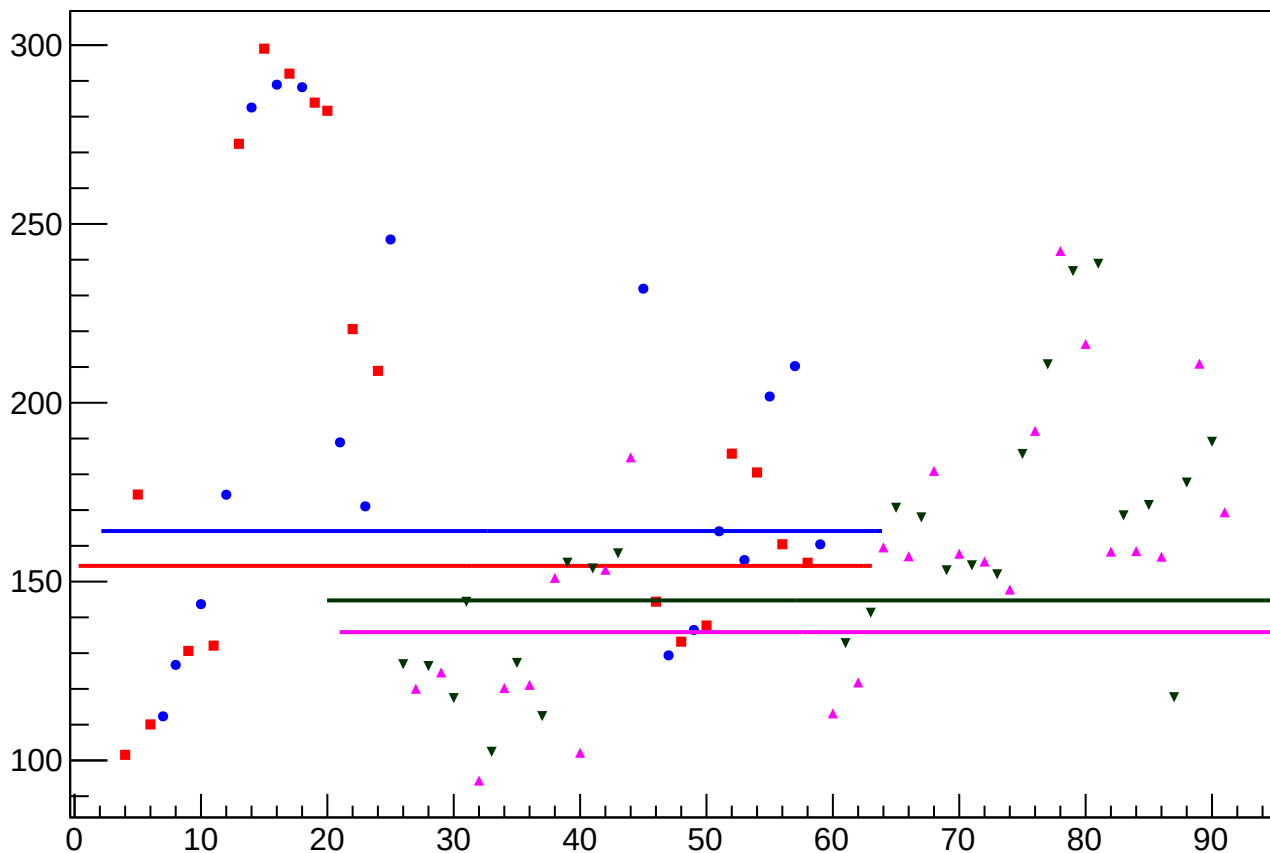
Right Out: 80.043+/-52.081 χ^2/NDF : 10.6/18

Left In: -35.204+/-37.833 χ^2/NDF : 3.0/24

25.334+/-32.187 χ^2/NDF : 11.2/43

4.605+/-30.609 χ^2/NDF : 16.9/43

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

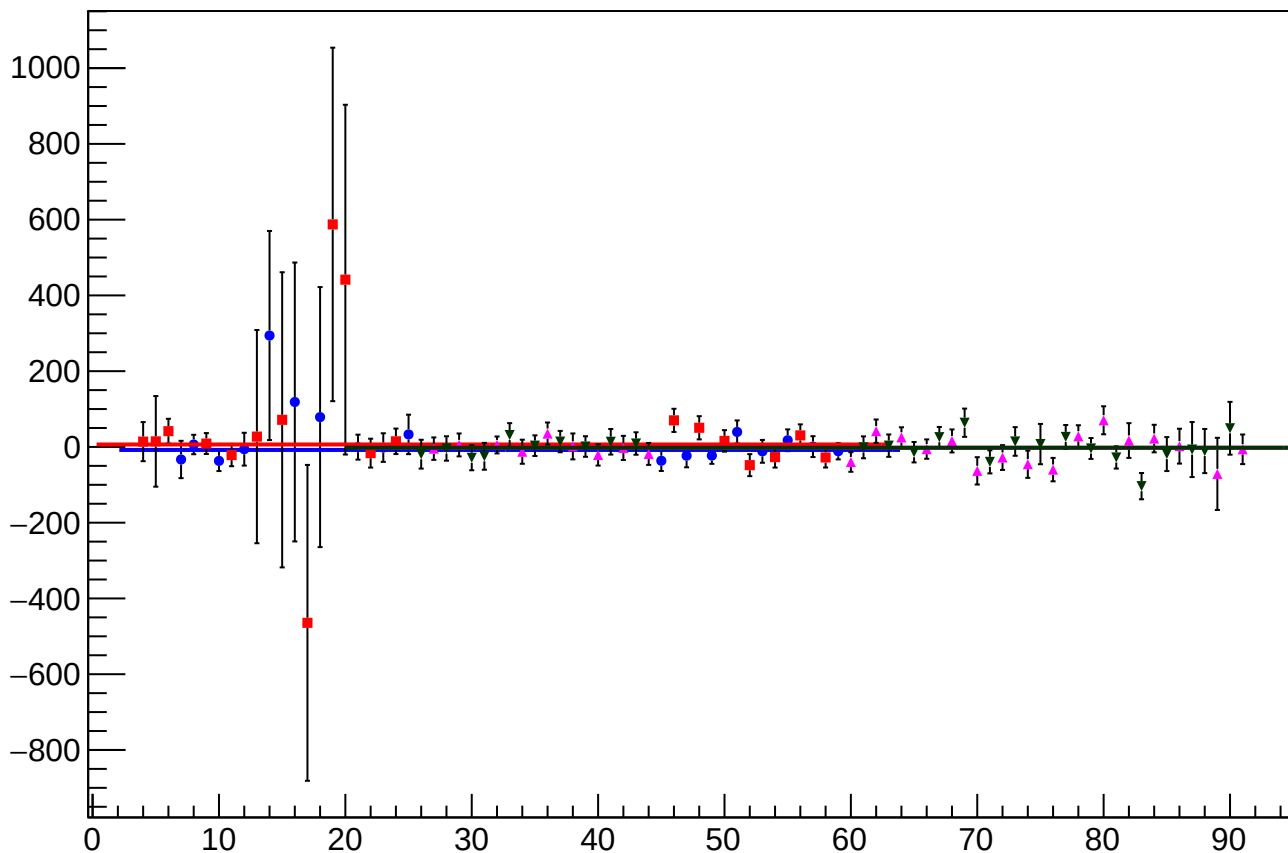
Right Out: 154.395 $\pm$ 0.037 χ^2 /NDF: 1875575.3/18

Left In: 135.872 $\pm$ 0.027 χ^2 /NDF:1442396.0/24

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

142.270 $\pm$ 0.022 χ^2 /NDF: 3483562.6/43

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

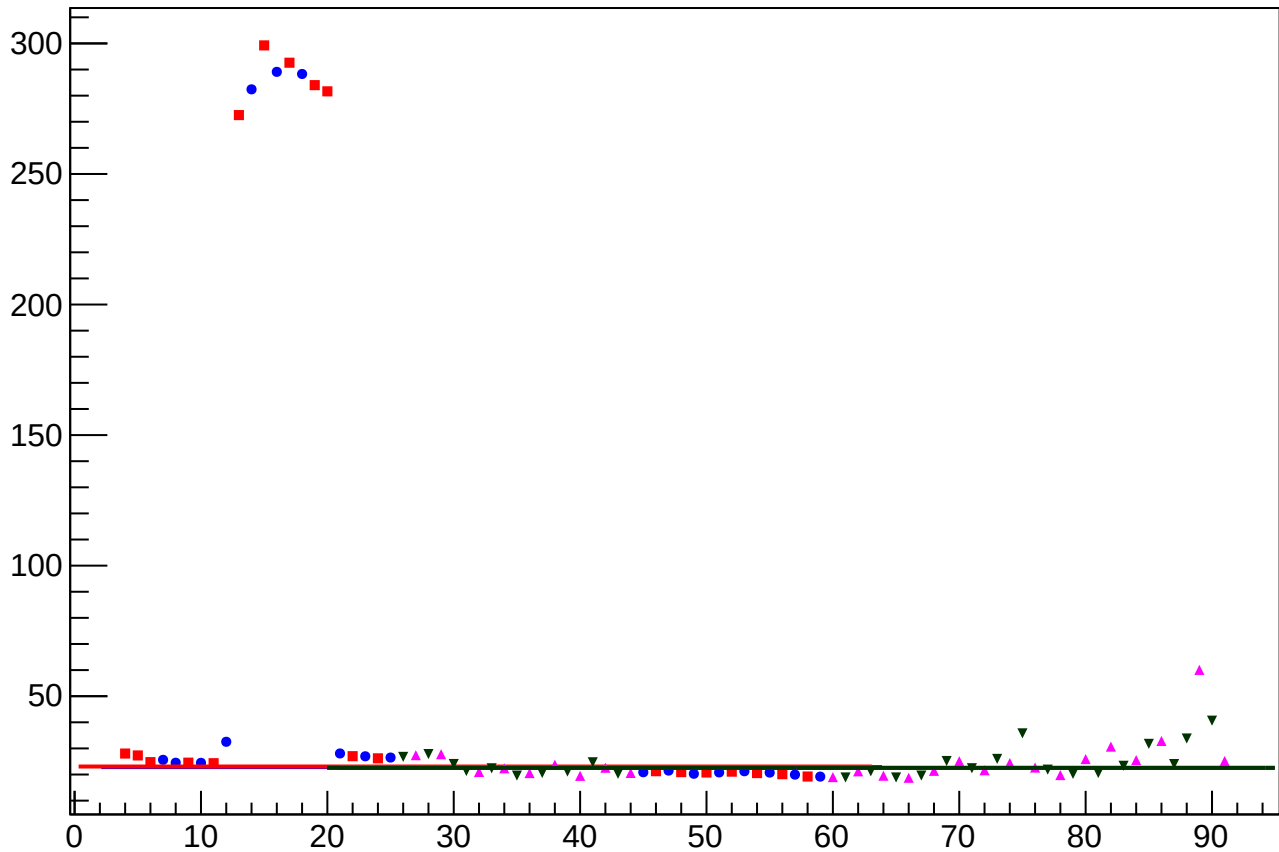
Right Out: 6.463+/-8.479 χ^2/NDF : 20.1/18

Left In: -2.289+/-6.304 χ^2/NDF : 22.8/24

-4.587+/-4.932 χ^2/NDF : 29.5/43

0.826+/-5.059 χ^2/NDF : 43.5/43

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

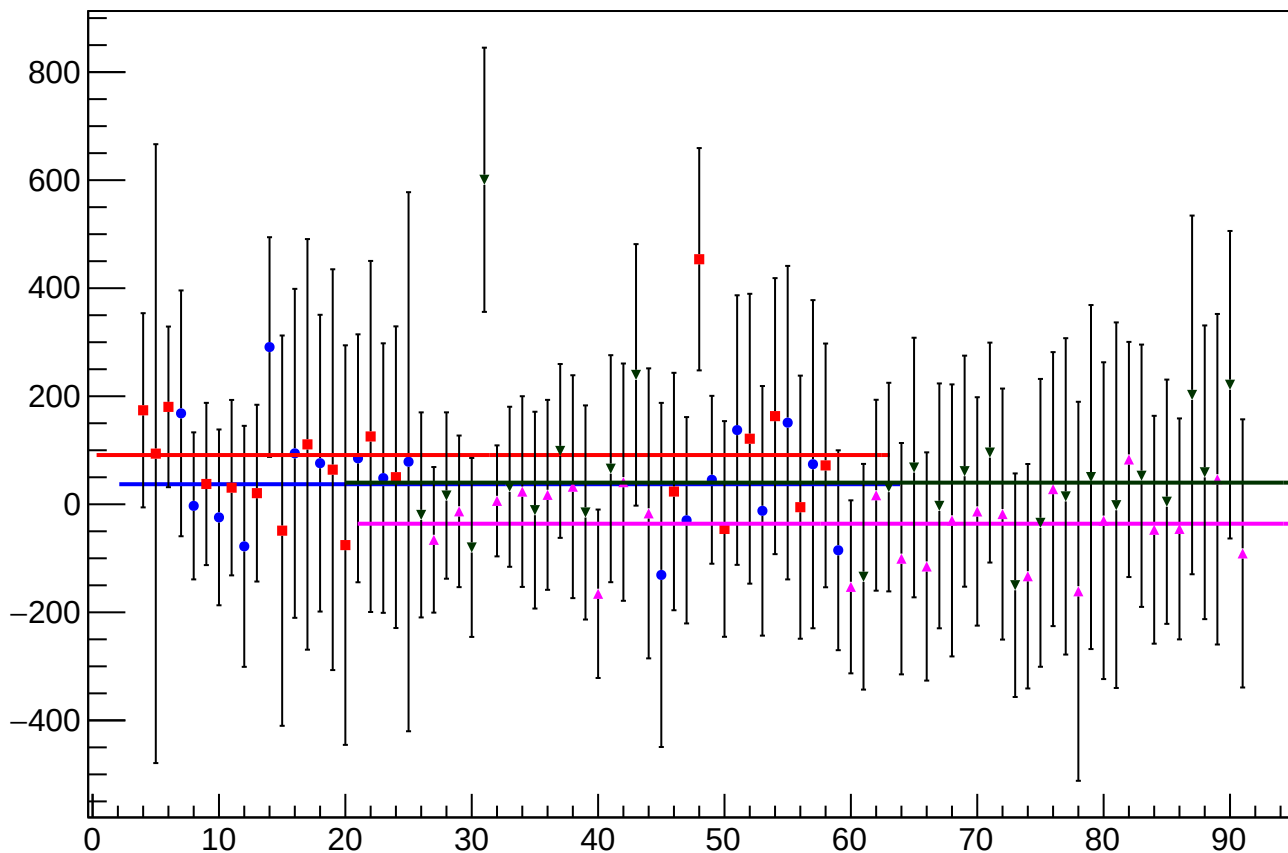
22.665 $\pm$ 0.003 χ^2 /NDF: 5074818.9/43

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

22.769 $\pm$ 0.004 χ^2 /NDF: 5689634.1/43

Left In: 22.604 $\pm$ 0.004 χ^2 /NDF:829037.7/24

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

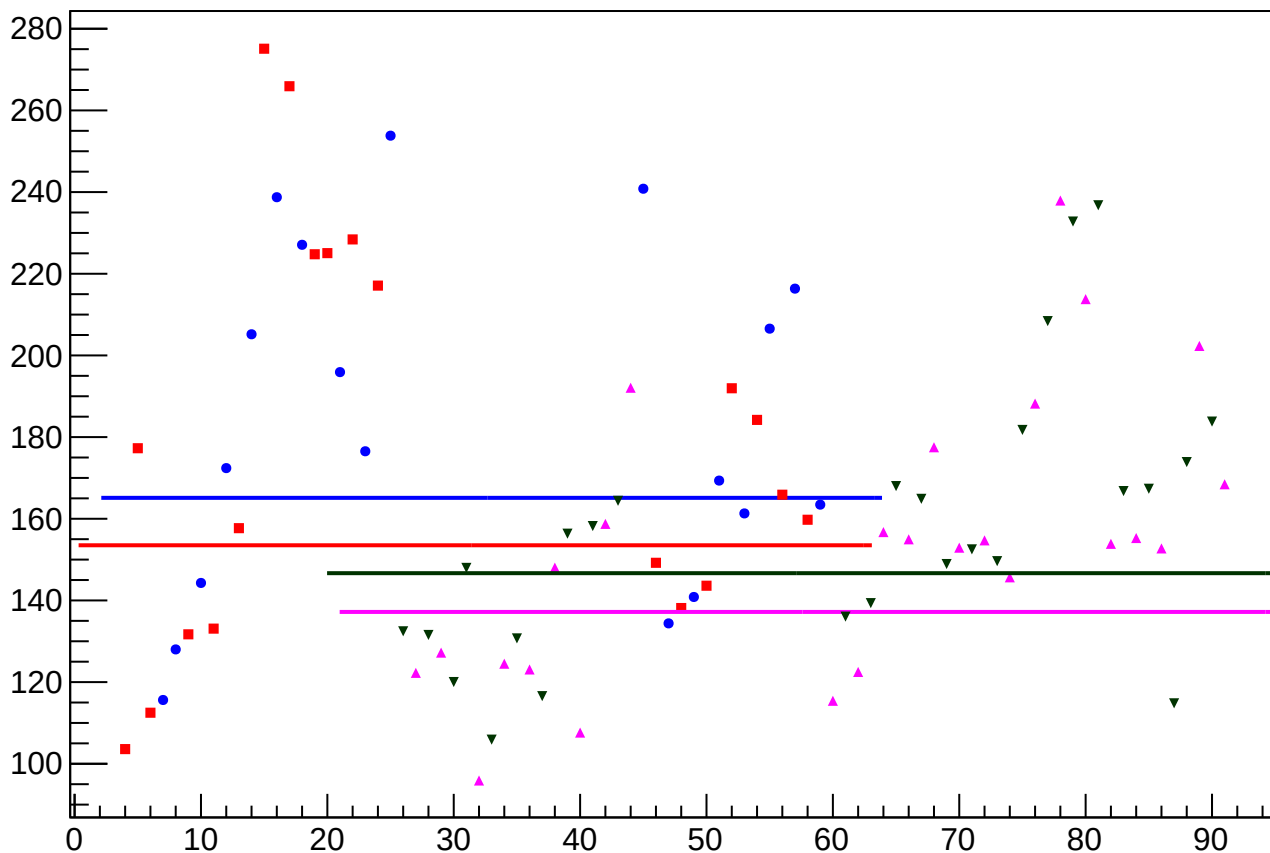
38.899+/-32.305 χ^2/NDF : 13.1/43

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

9.629+/-30.506 χ^2/NDF : 12.4/43

Left In: -35.976+/-38.094 χ^2/NDF : 3.1/24

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

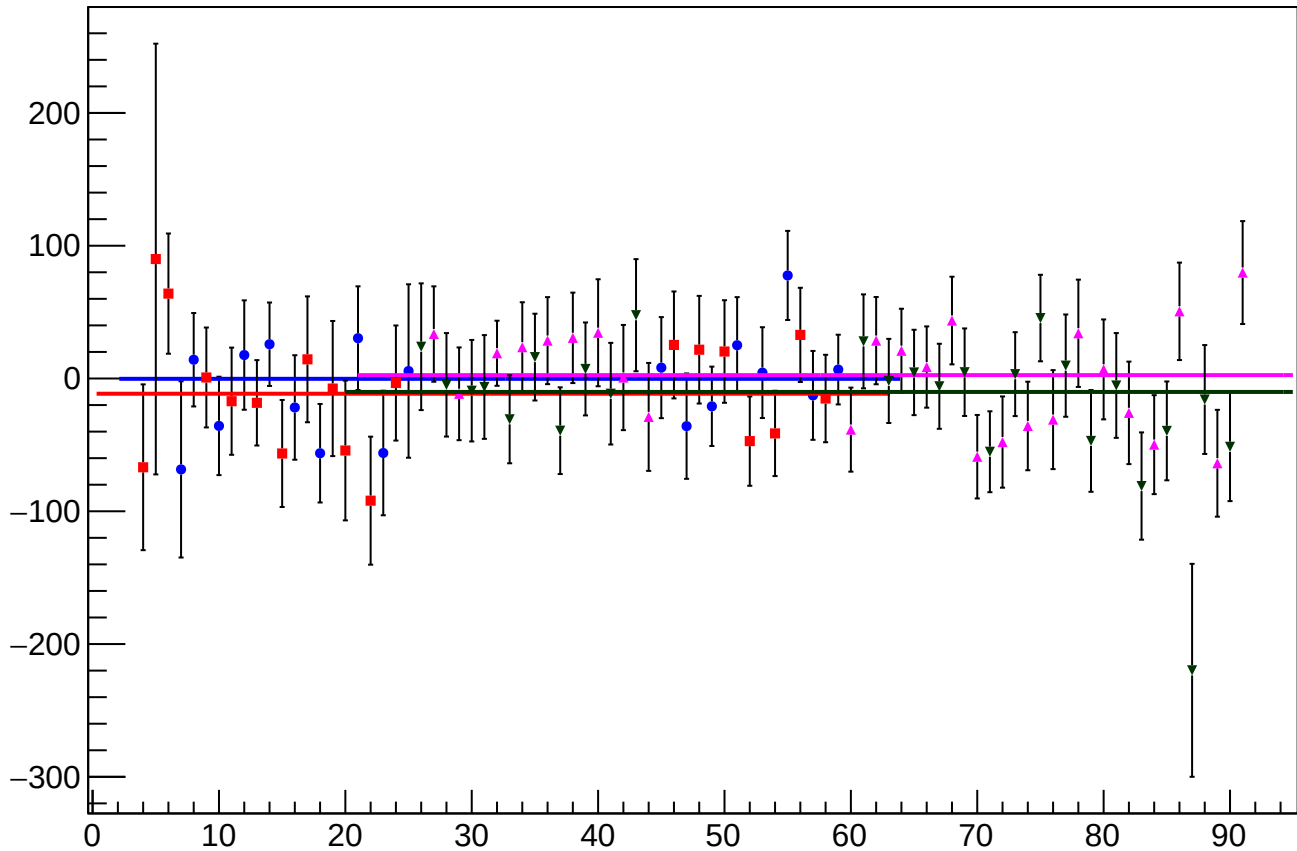
154.067+/-0.023 χ^2/NDF : 2041672.1/43

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

143.041+/-0.022 χ^2/NDF : 2632765.0/43

Left In: 137.185+/-0.027 χ^2/NDF : 1262432.6/24

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs slug



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

-6.119 ± 5.503 χ^2/NDF : 40.1/43

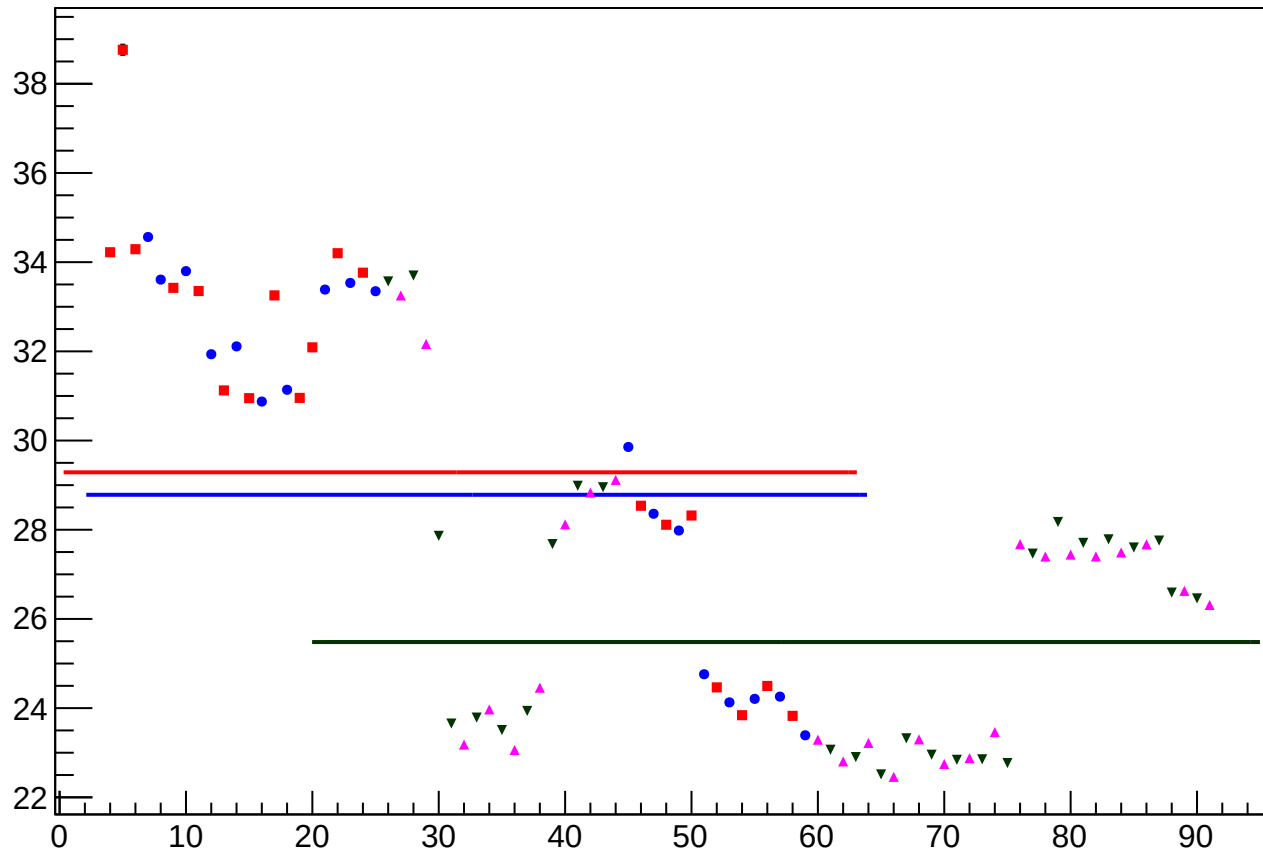
Left Out: -10.125 ± 7.136 χ^2/NDF : 24.2/25

-2.374 ± 5.572 χ^2/NDF : 44.5/43

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

Left In: 2.541 ± 6.916 χ^2/NDF : 28.2/24

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs slug



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

Left Out: 25.482 $\pm$ 0.005 χ^2 /NDF: 355612.1/25

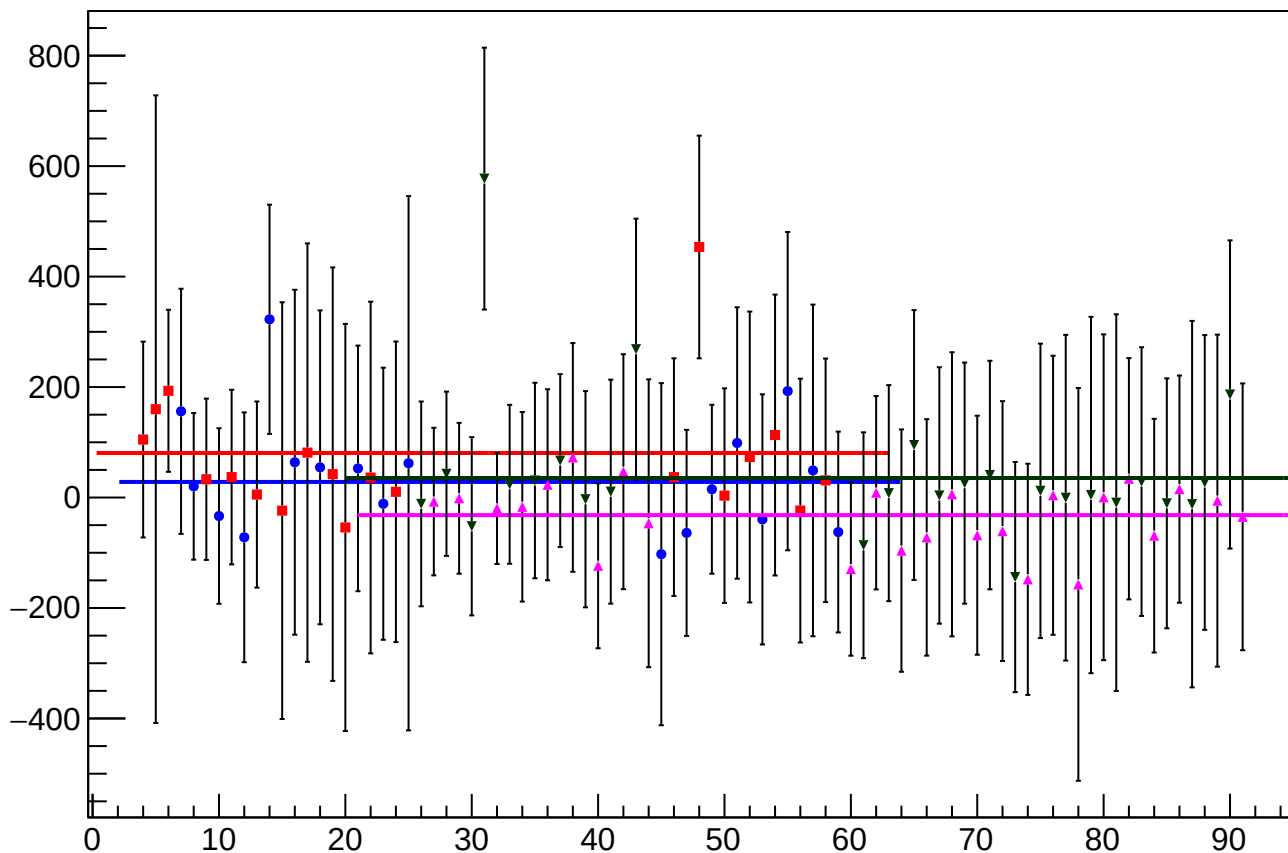
26.820 $\pm$ 0.004 χ^2 /NDF: 947636.2/43

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

26.818 $\pm$ 0.004 χ^2 /NDF: 940972.4/43

Left In: 25.482 $\pm$ 0.005 χ^2 /NDF: 372687.8/24

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

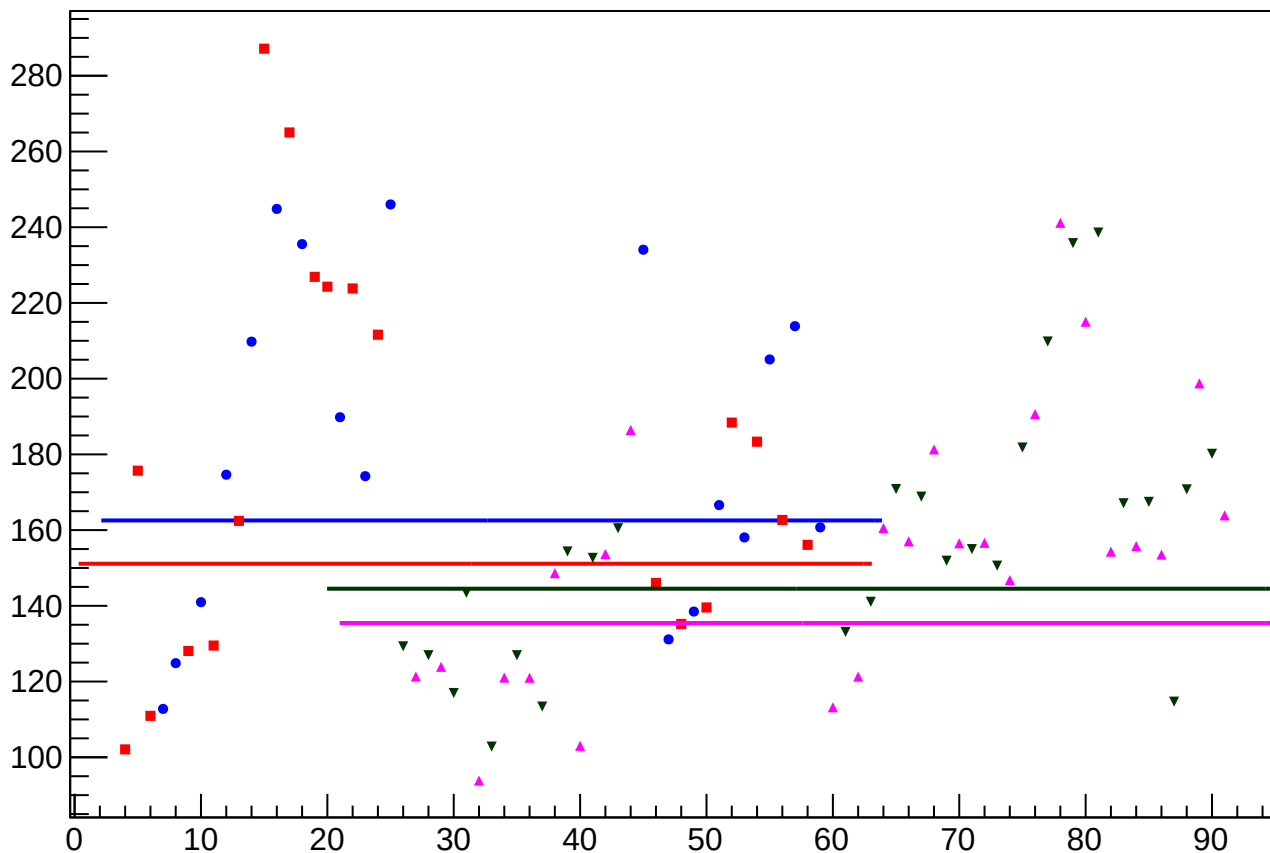
Right Out: 80.614 ± 50.242 χ^2/NDF : 5.2/18

Left In: -31.826 ± 37.678 χ^2/NDF : 2.3/24

32.492 ± 31.890 χ^2/NDF : 12.2/43

8.648 ± 30.144 χ^2/NDF : 10.7/43

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

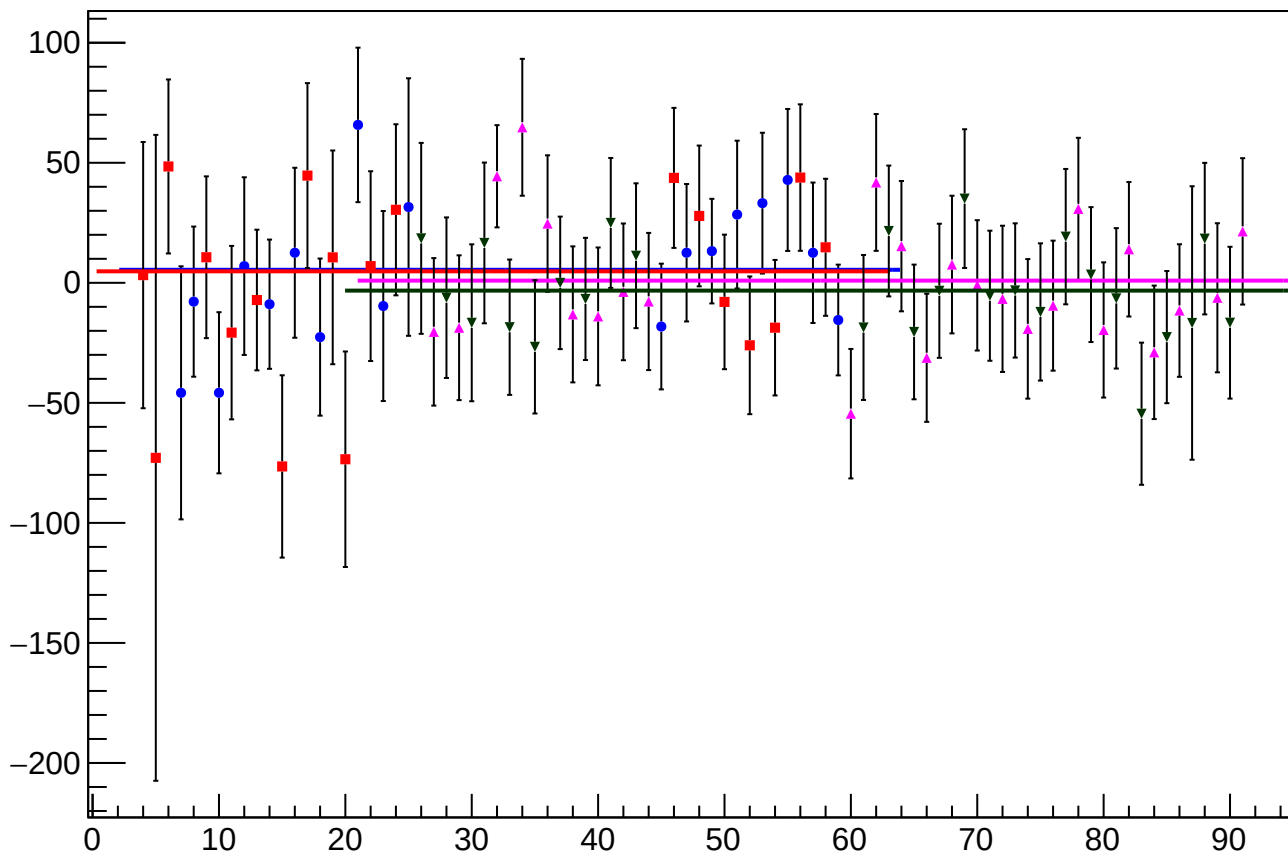
Right Out: 151.117 $\pm$ 0.036 χ^2/NDF : 1306443.7/18

Left In: 135.467 $\pm$ 0.027 χ^2/NDF :1387996.0/24

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

141.100 $\pm$ 0.021 χ^2/NDF : 2818650.7/43

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs slug



Right In: 5.427 $\pm$ 7.205 χ^2 /NDF: 13.4/17

Left Out: -3.244 $\pm$ 5.797 χ^2 /NDF:11.4/25

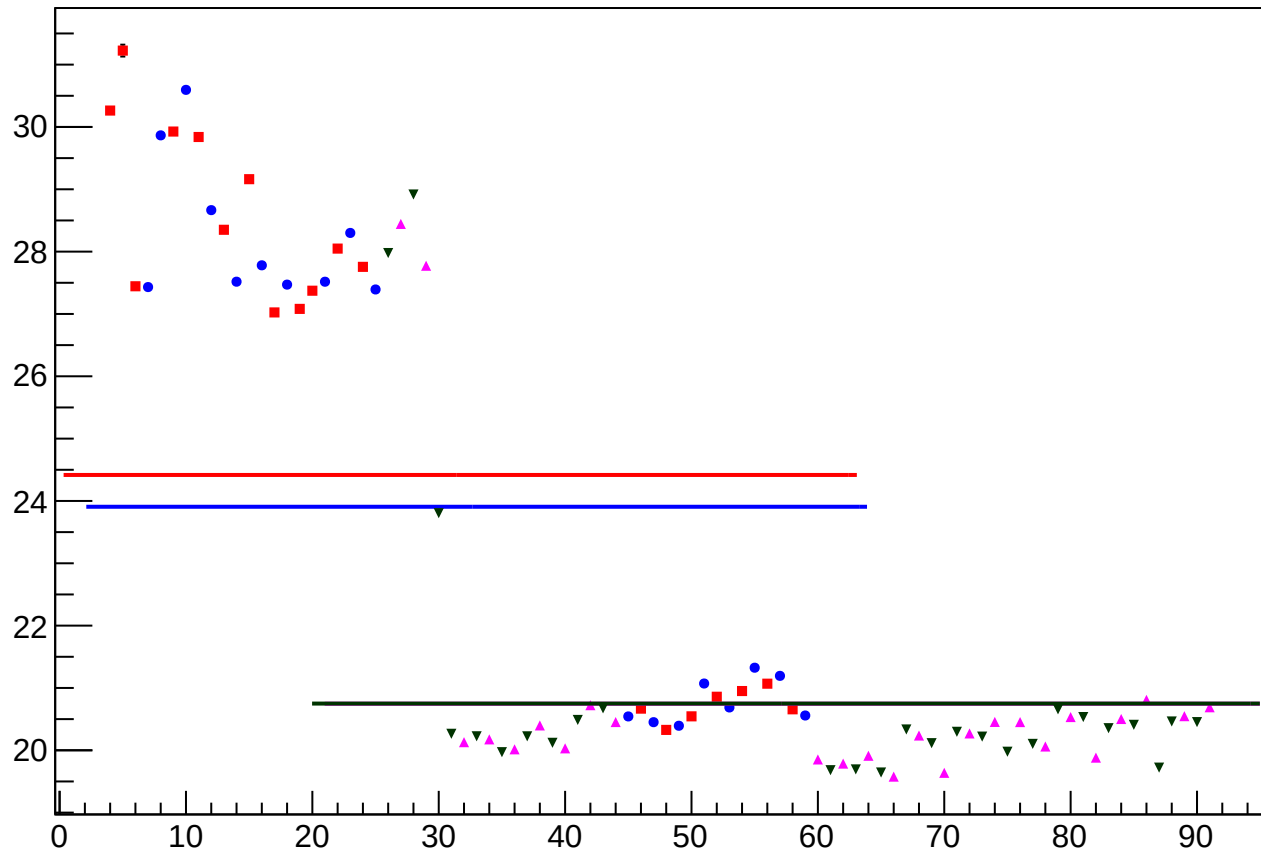
Right Out: 4.784 $\pm$ 7.872 χ^2 /NDF: 17.9/18

Left In: 0.916 $\pm$ 5.615 χ^2 /NDF:23.8/24

0.163 $\pm$ 4.516 χ^2 /NDF: 25.7/43

2.220 $\pm$ 4.571 χ^2 /NDF: 41.9/43

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

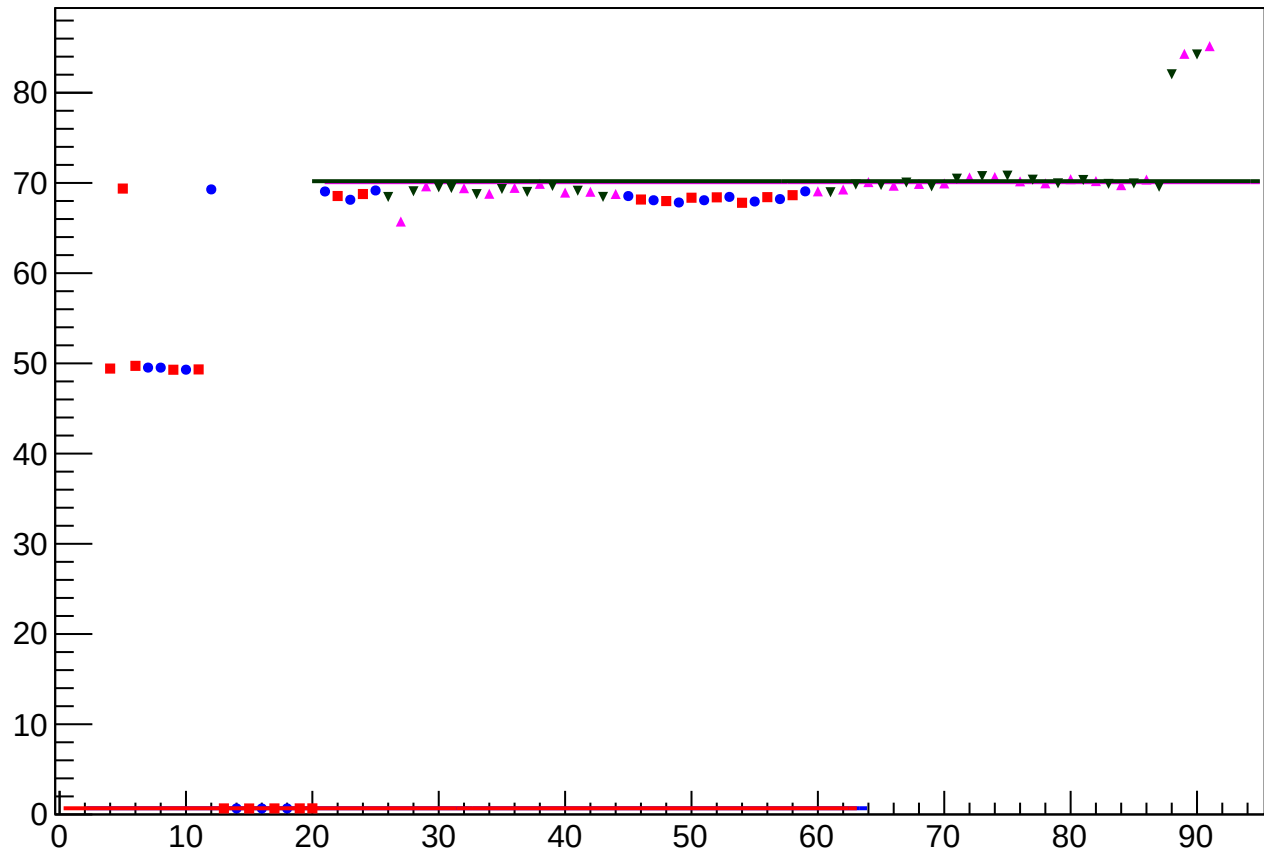
21.990 $\pm$ 0.003 χ^2 /NDF: 1022357.1/43

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

21.984 $\pm$ 0.003 χ^2 /NDF: 1042794.9/43

Left In: 20.747 $\pm$ 0.004 χ^2 /NDF: 258169.9/24

yield_bcm_an_ds_mean vs slug



Right In: 0.688 $\pm$ 0.000 χ^2 /NDF: 1036988220984.6/17

Left Out: 70.194 $\pm$ 0.000 χ^2 /NDF: 2647971074.6/25

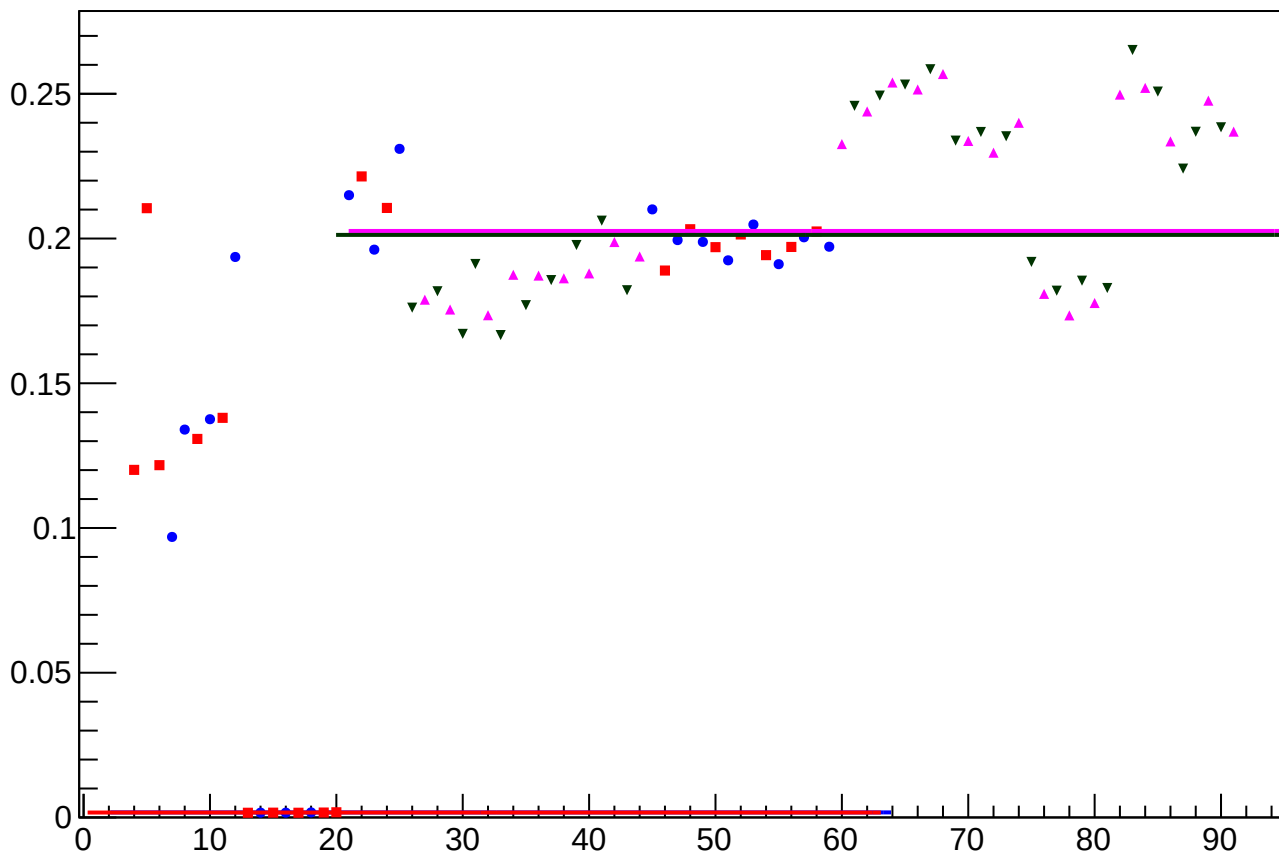
0.713 $\pm$ 0.000 χ^2 /NDF: 2508813087640.9/43

Right Out: 0.684 $\pm$ 0.000 χ^2 /NDF: 845851789818.6/18

0.706 $\pm$ 0.000 χ^2 /NDF: 2393868454028.3/43

Left In: 70.084 $\pm$ 0.000 χ^2 /NDF: 3907027124.5/24

yield_bcm_an_ds_rms vs slug



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

Left Out: 0.201+/-0.000 χ^2/NDF : 549923.6/25

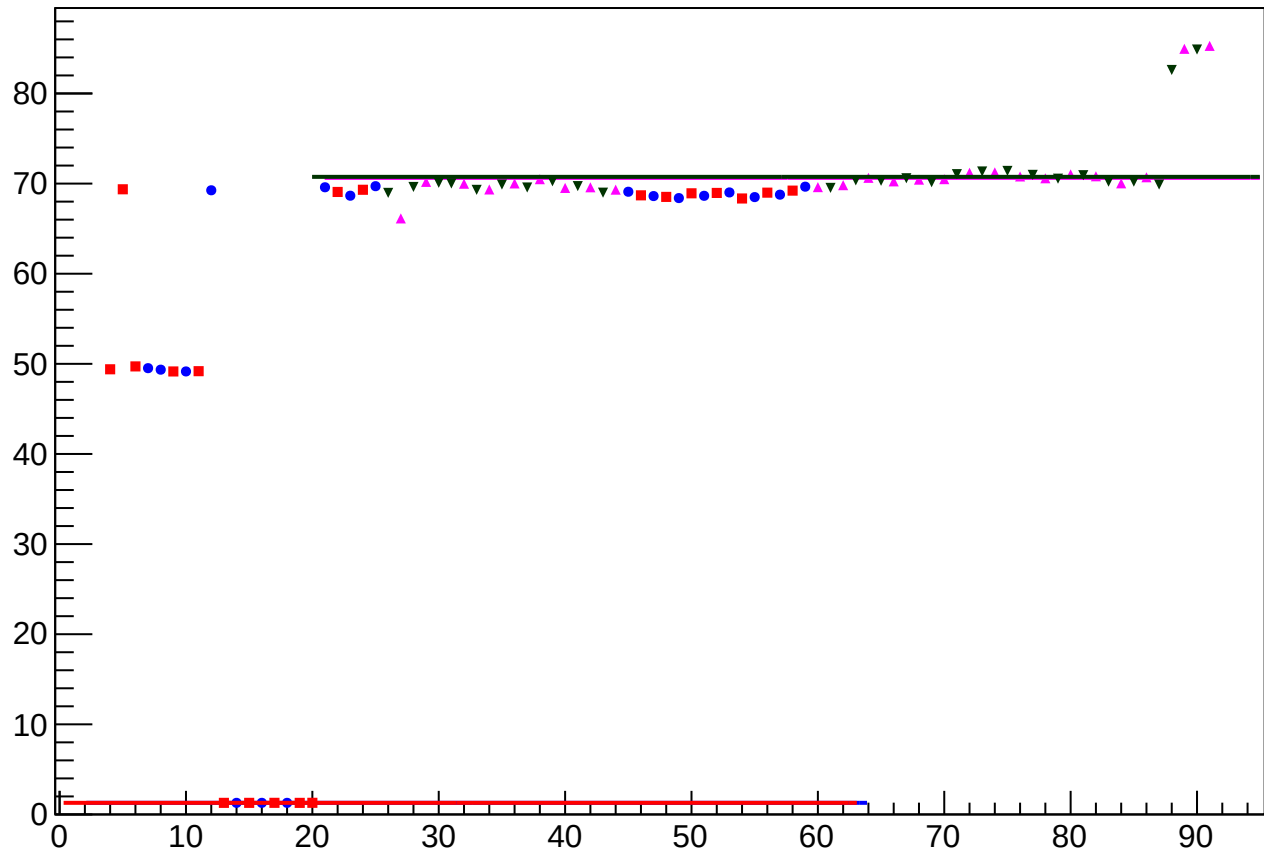
0.002+/-0.000 χ^2/NDF : 41656142.9/43

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

0.002+/-0.000 χ^2/NDF : 39969769.5/43

Left In: 0.203+/-0.000 χ^2/NDF : 577006.5/24

yield_bcm_an_ds3_mean vs slug



Right In: 1.291 $\pm$ 0.000 χ^2 /NDF: 1010041068715.0/17

Left Out: 70.748 $\pm$ 0.000 χ^2 /NDF: 2548681111.5/25

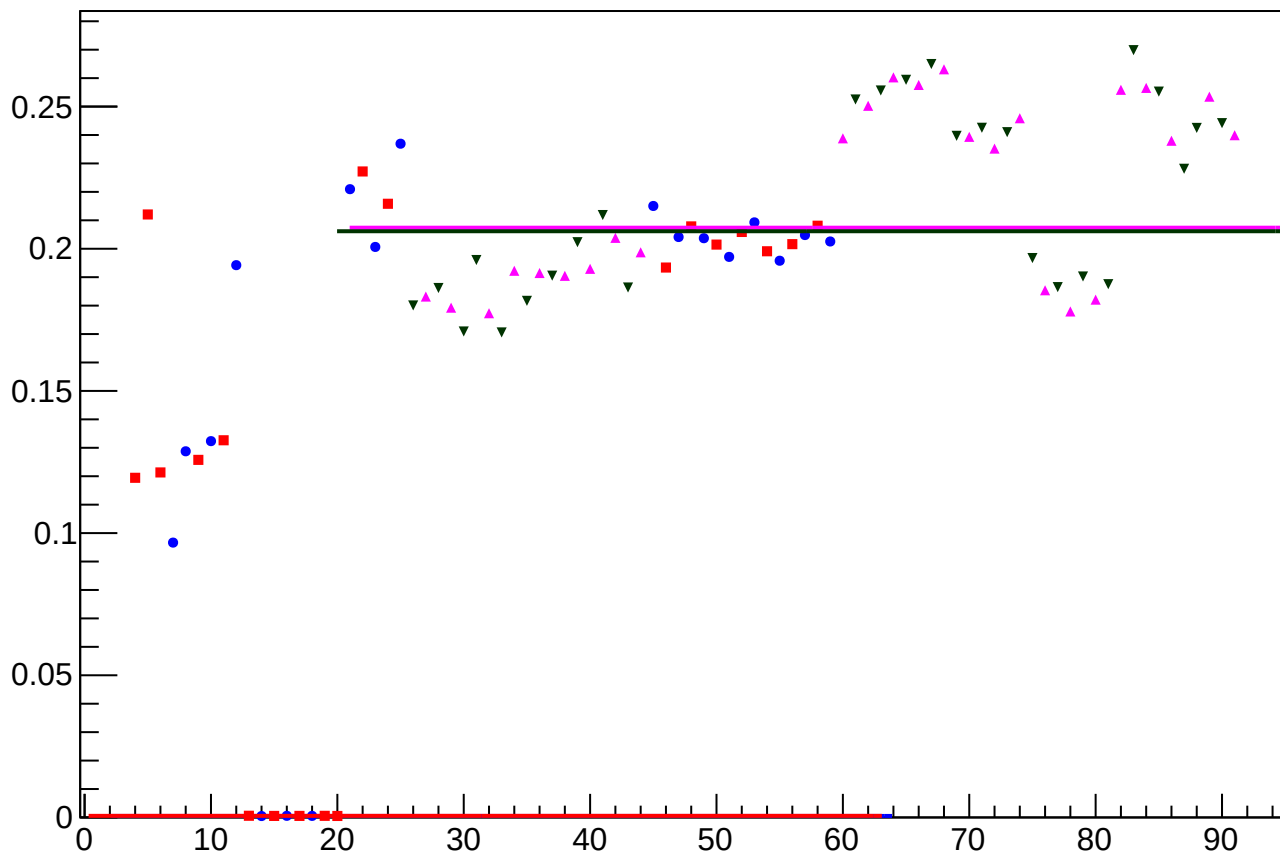
1.293 $\pm$ 0.000 χ^2 /NDF: 2411279742805.0/43

Right Out: 1.290 $\pm$ 0.000 χ^2 /NDF: 826763948171.6/18

1.293 $\pm$ 0.000 χ^2 /NDF: 2301873388188.6/43

Left In: 70.627 $\pm$ 0.000 χ^2 /NDF: 3711715720.8/24

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

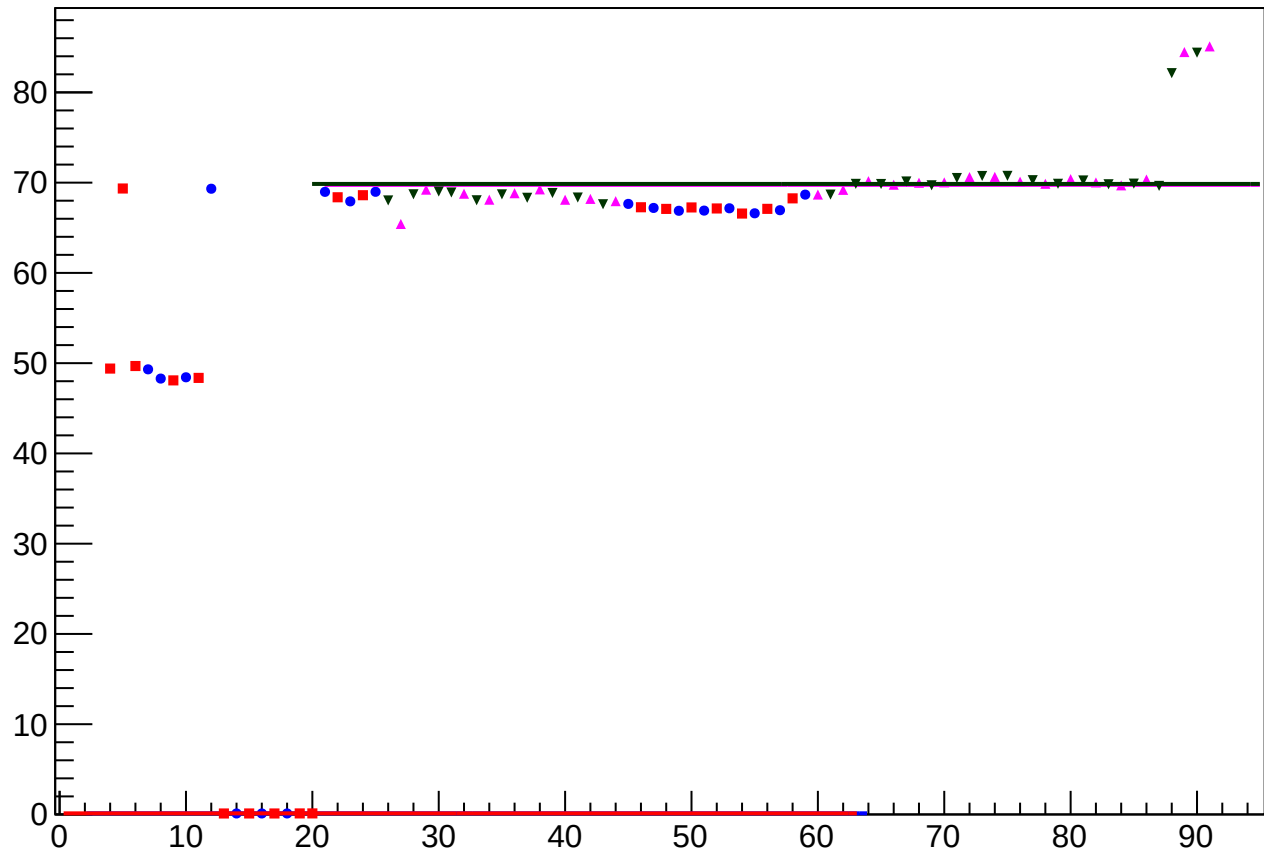
Right Out: 0.001+/-0.000 χ^2/NDF : 13695888.0/18

Left In: 0.207+/-0.000 χ^2/NDF : 574478.6/24

0.001+/-0.000 χ^2/NDF : 42206259.1/43

0.001+/-0.000 χ^2/NDF : 40458156.8/43

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

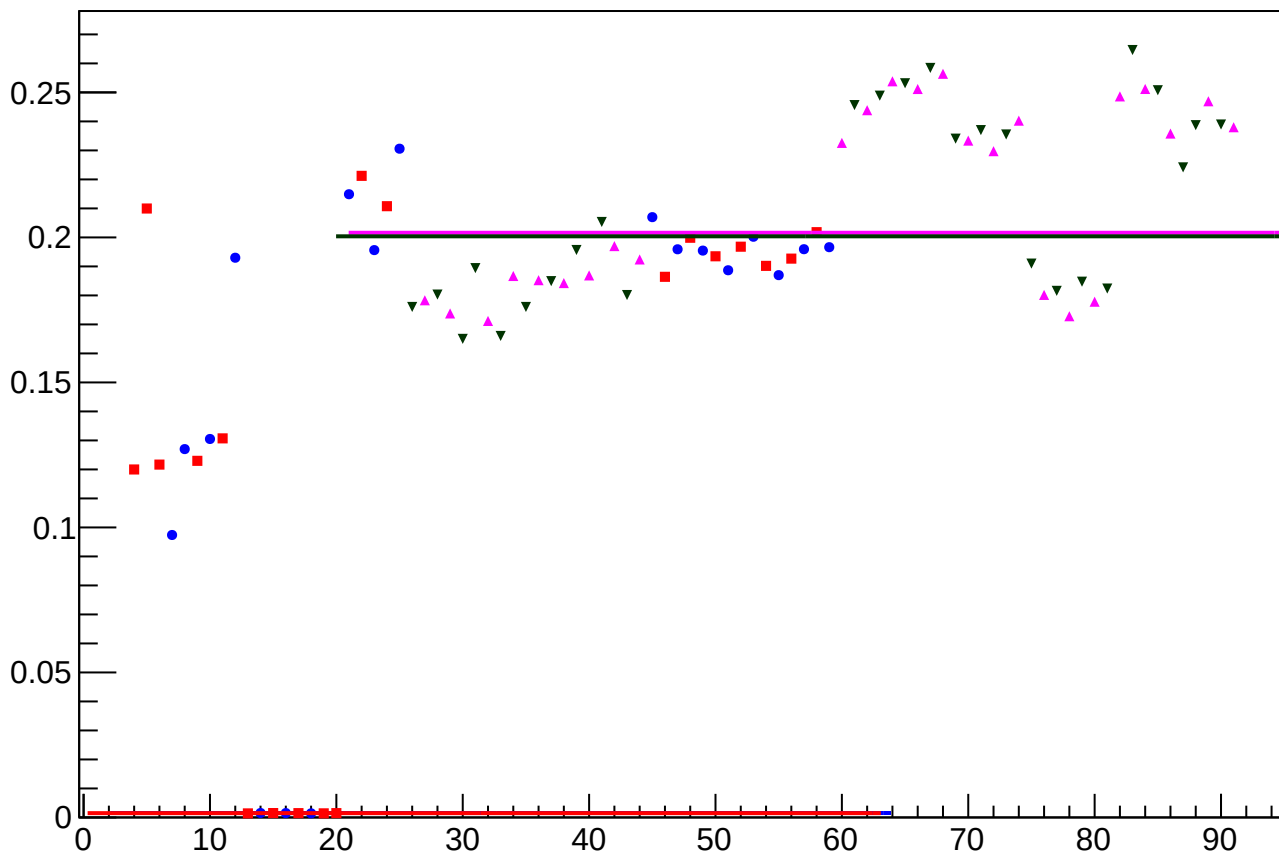
0.147+/-0.000 χ^2/NDF : 2562537583580.0/43

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

0.139+/-0.000 χ^2/NDF : 2448927077856.2/43

Left In: 69.749+/-0.000 χ^2/NDF : 4175447393.3/24

yield_bcm_an_us_rms vs slug



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

Left Out: 0.200+/-0.000 χ^2/NDF : 570177.8/25

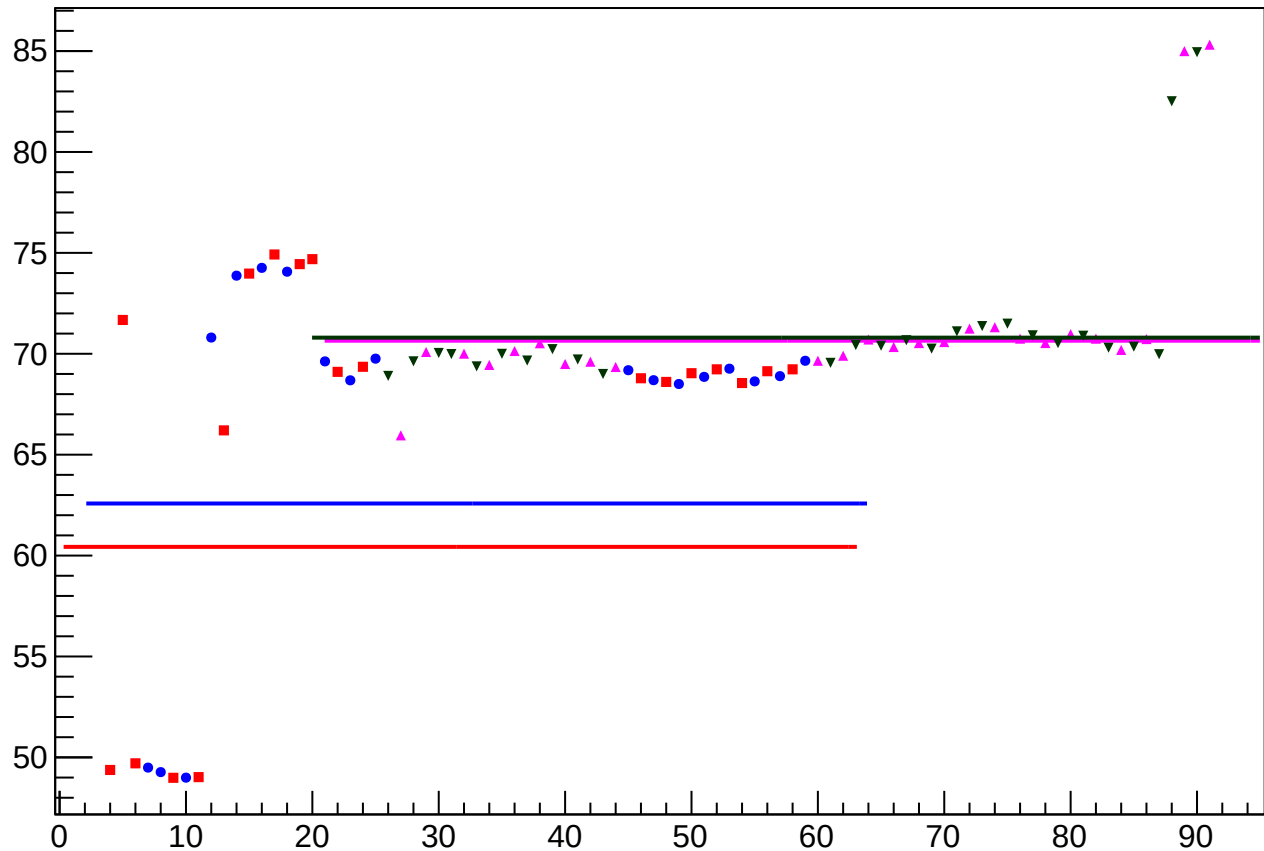
Right Out: 0.001+/-0.000 χ^2/NDF : 13535654.6/18

Left In: 0.202+/-0.000 χ^2/NDF : 601776.8/24

0.002+/-0.000 χ^2/NDF : 41715911.1/43

0.002+/-0.000 χ^2/NDF : 40048464.1/43

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

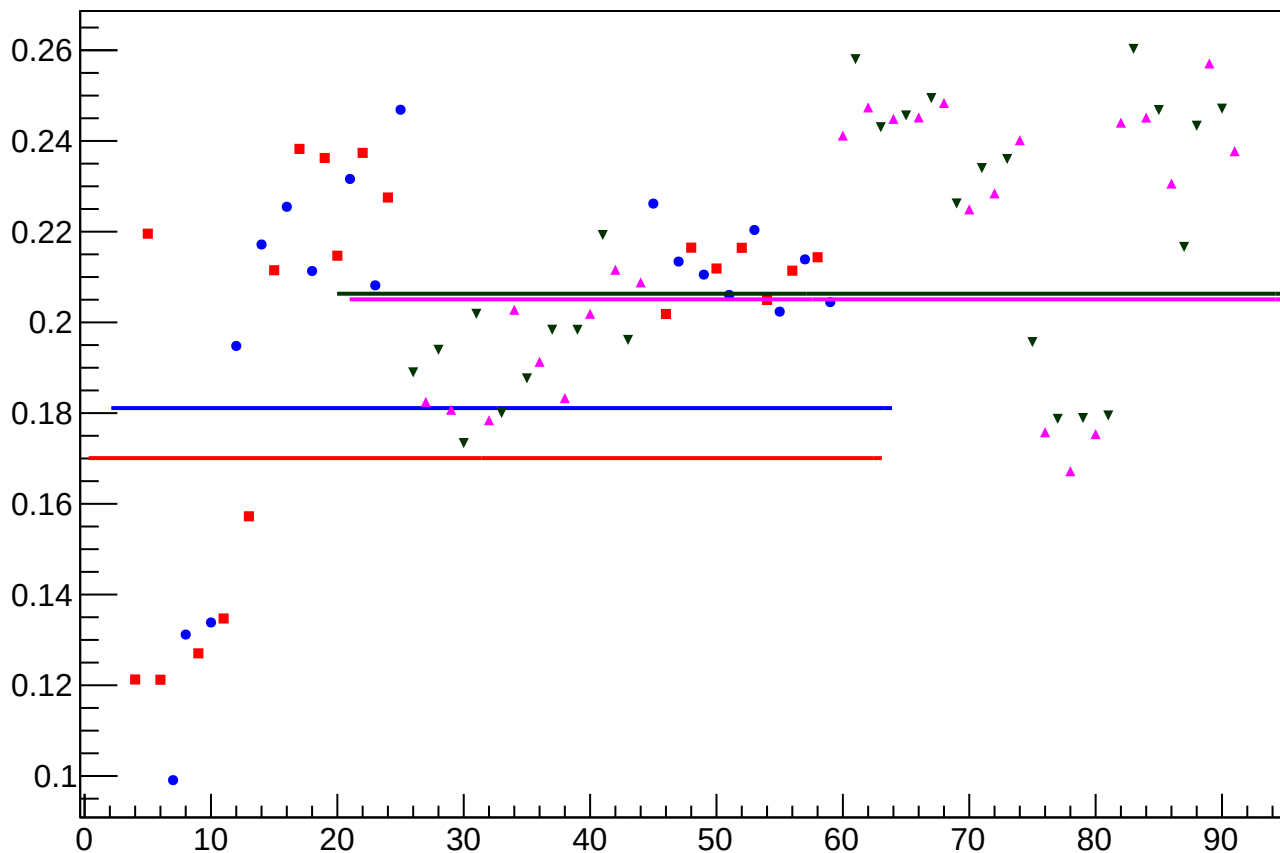
66.534+/-0.000 χ^2/NDF : 46363986530.2/43

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

65.595+/-0.000 χ^2/NDF : 52884086614.6/43

Left In: 70.648+/-0.000 χ^2/NDF : 3748163271.6/24

yield_bcm_dg_us_rms vs slug



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

Left Out: 0.206+/-0.000 χ^2/NDF : 427878.6/25

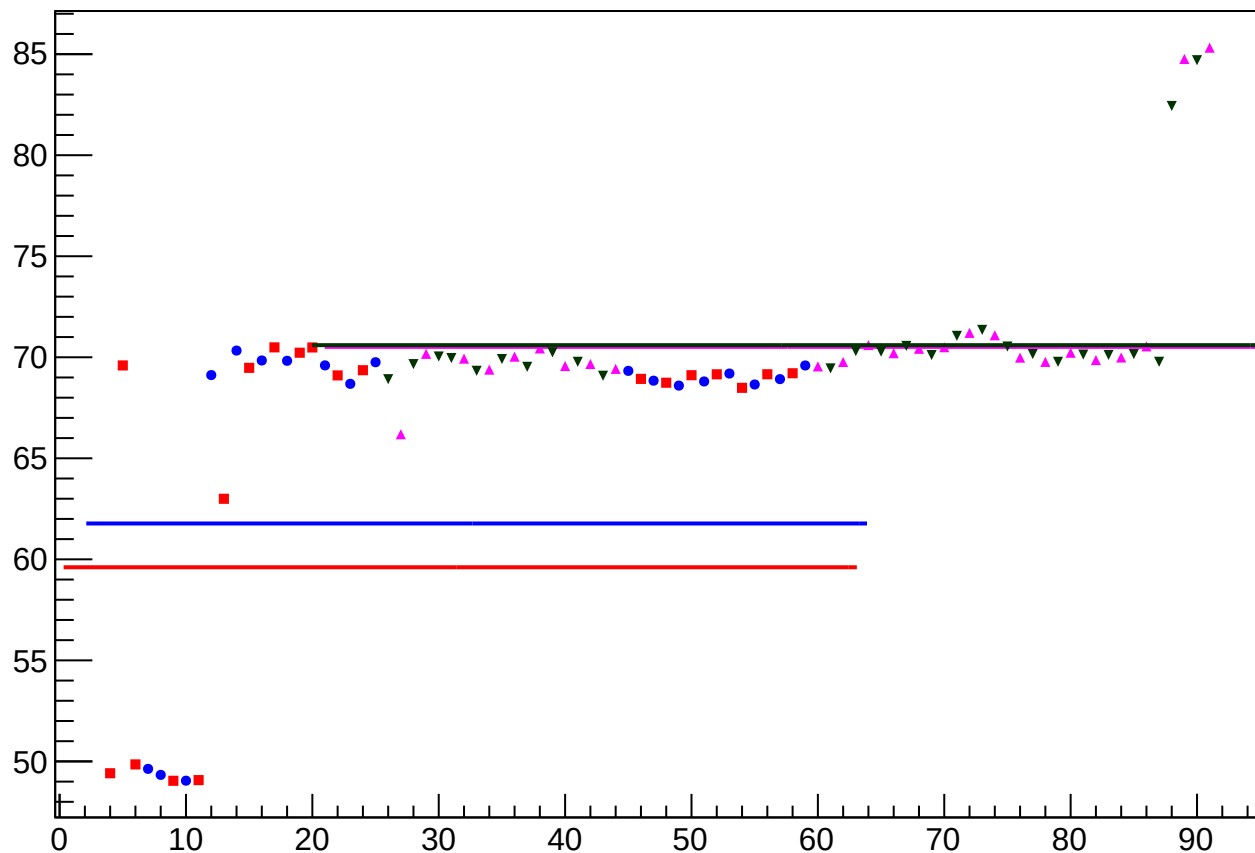
Right Out: 0.170+/-0.000 χ^2/NDF : 1183604.4/18

Left In: 0.205+/-0.000 χ^2/NDF : 516225.4/24

0.193+/-0.000 χ^2/NDF : 1836072.9/43

0.188+/-0.000 χ^2/NDF : 2079088.1/43

yield_bcm_dg_ds_mean vs slug



Right In: 61.774+/-0.000 χ^2/NDF : 30968593880.6/17

Left Out: 70.599+/-0.000 χ^2/NDF : 2608887950.9/25

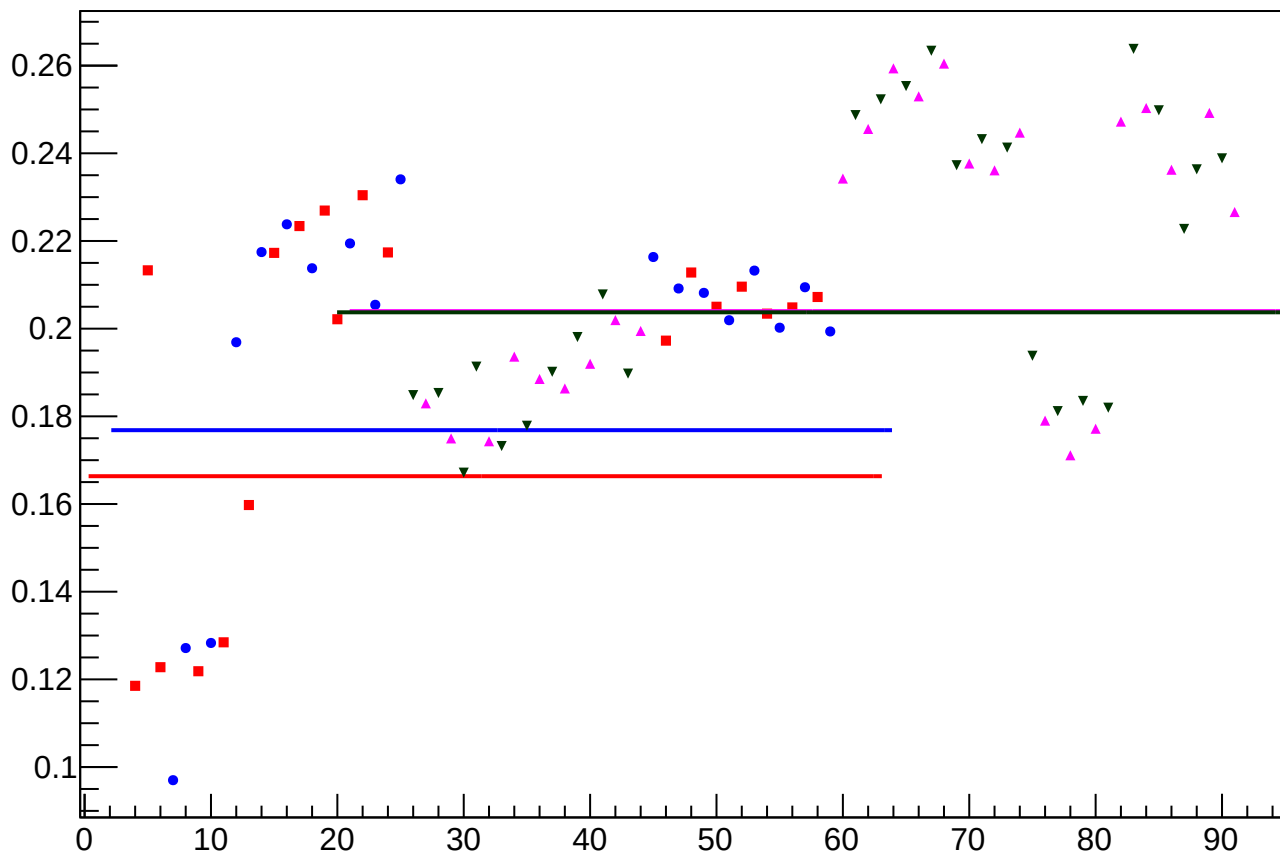
Right Out: 59.608+/-0.000 χ^2/NDF : 29547406430.8/18

Left In: 70.513+/-0.000 χ^2/NDF : 3942242060.8/24

65.965+/-0.000 χ^2/NDF : 45730186283.1/43

65.023+/-0.000 χ^2/NDF : 52419408291.6/43

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

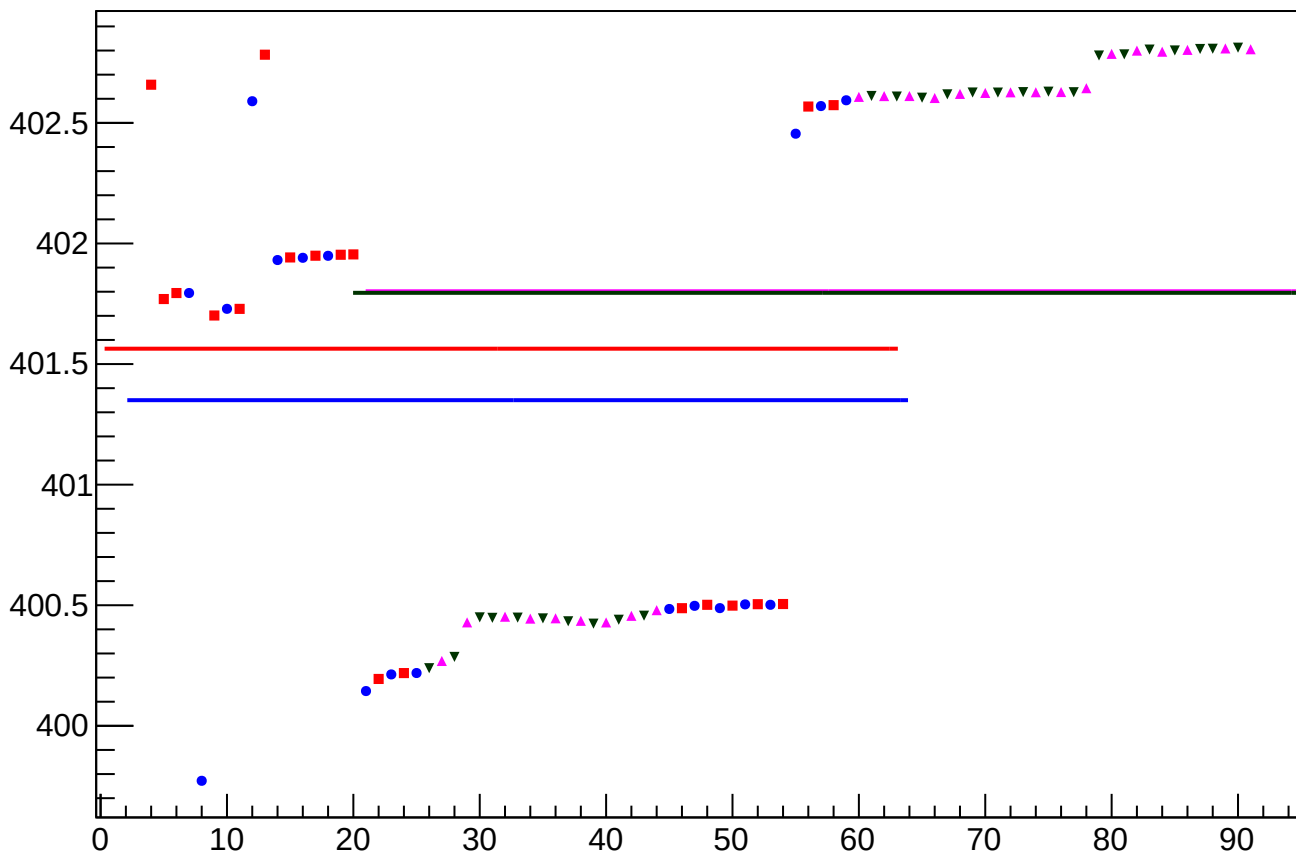
Right Out: 0.166+/-0.000 χ^2/NDF : 1156468.8/18

Left In: 0.204+/-0.000 χ^2/NDF : 586569.1/24

0.190+/-0.000 χ^2/NDF : 2037811.1/43

0.185+/-0.000 χ^2/NDF : 2194364.7/43

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

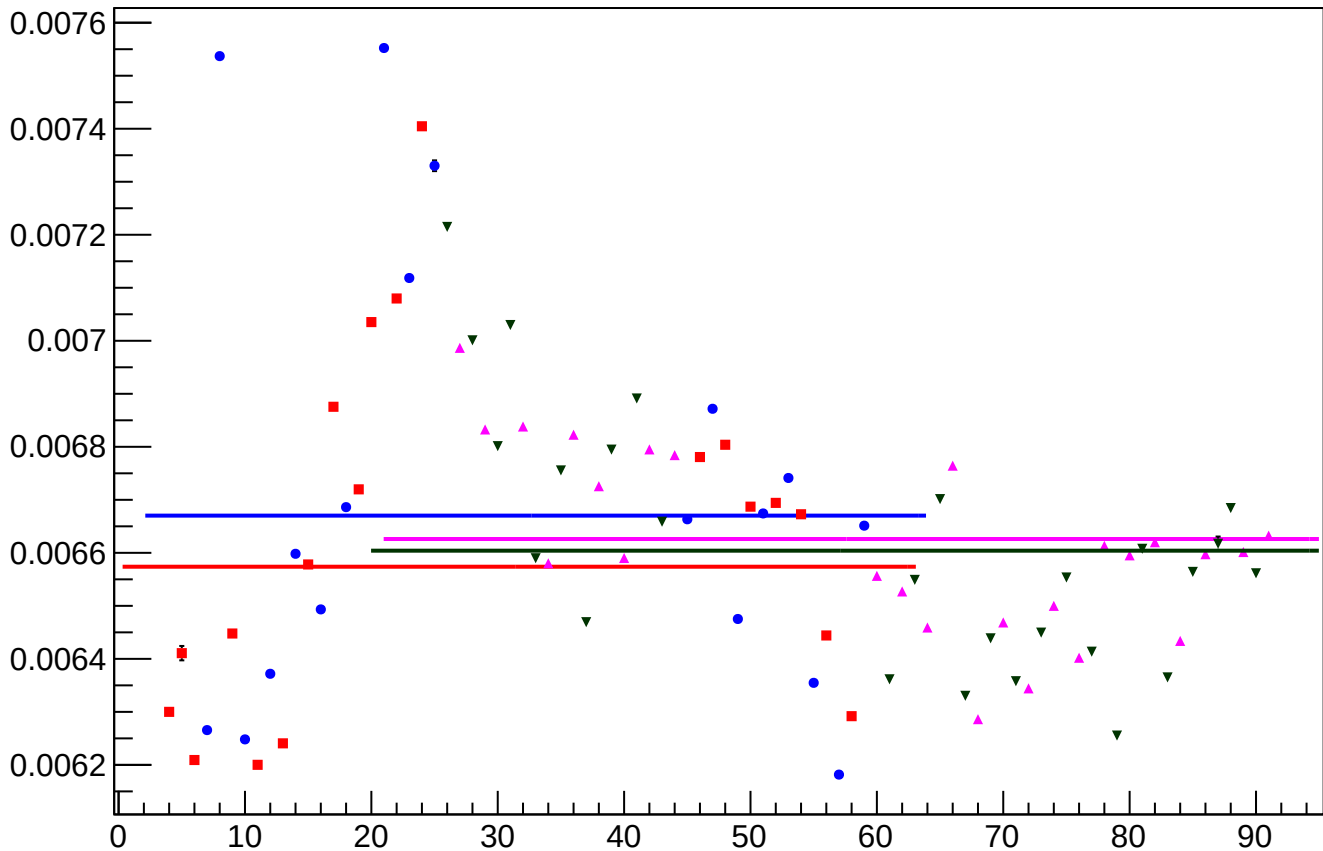
Right Out: 401.564+/-0.000 χ^2/NDF : 183973928948.5/18

Left In: 401.802+/-0.000 χ^2/NDF : 384885889002.2/24

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

401.701+/-0.000 χ^2/NDF : 576393944891.4/43

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

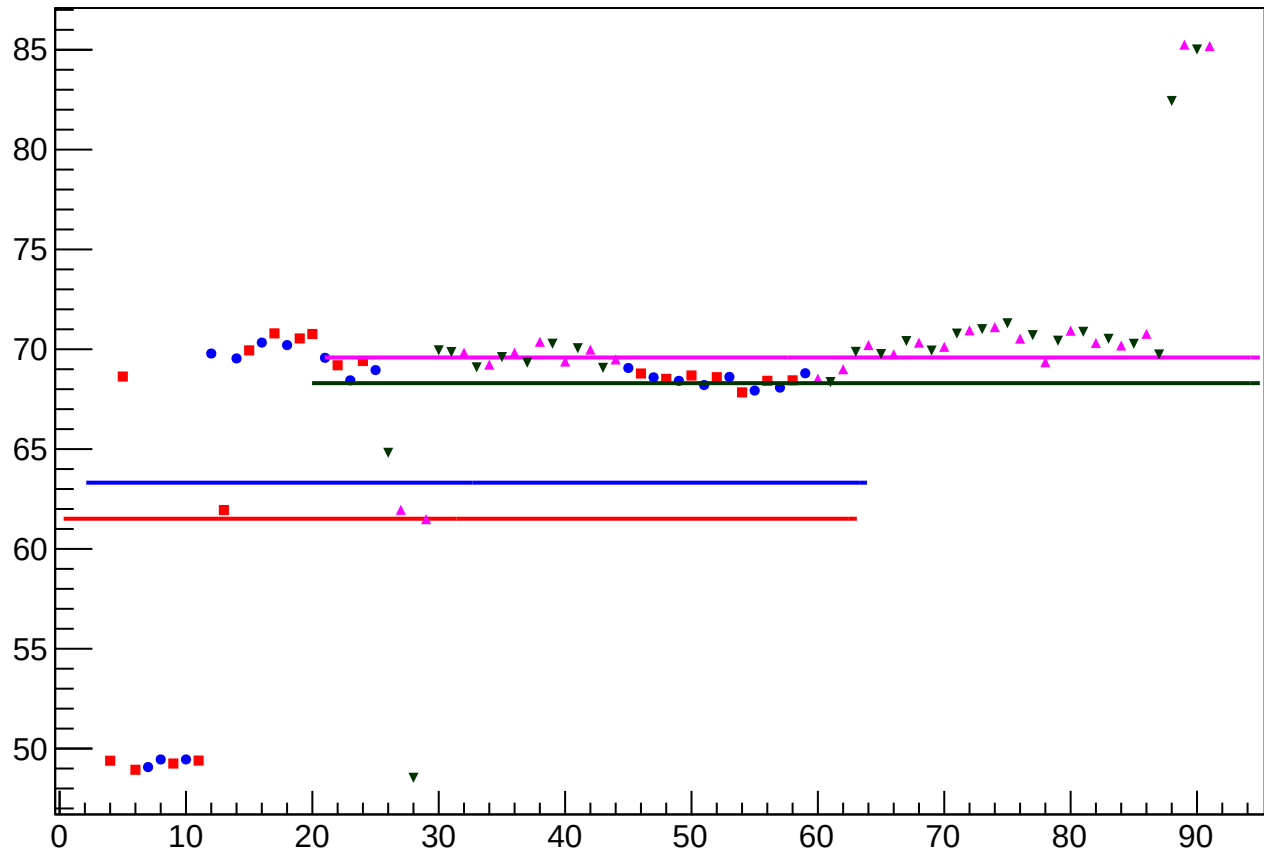
0.007+/-0.000 χ^2/NDF : 109647.8/43

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

0.007+/-0.000 χ^2/NDF : 68188.7/43

Left In: 0.007+/-0.000 χ^2/NDF : 19780.4/24

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

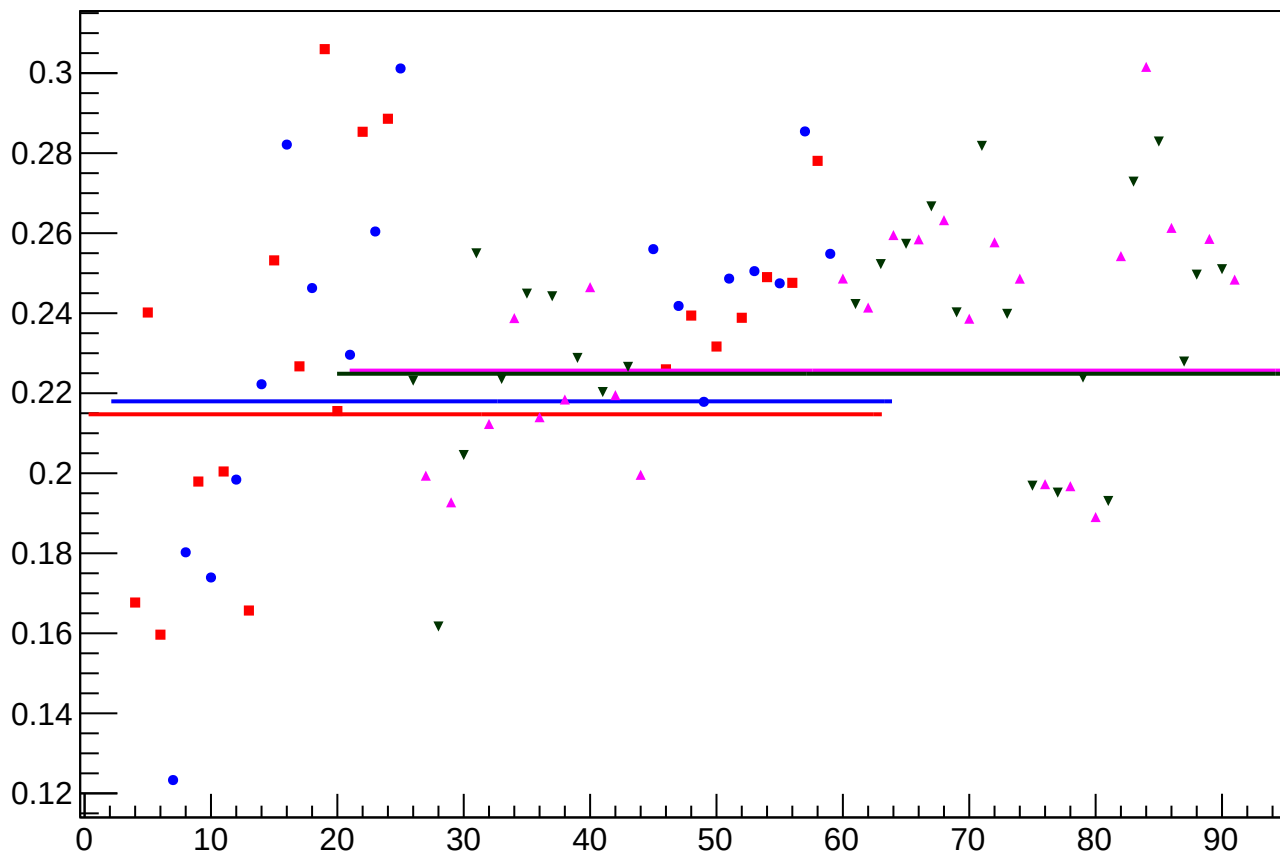
65.948+/-0.000 χ^2/NDF : 33834799991.1/43

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

66.151+/-0.000 χ^2/NDF : 28207935429.7/43

Left In: 69.589+/-0.000 χ^2/NDF : 5881050024.0/24

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

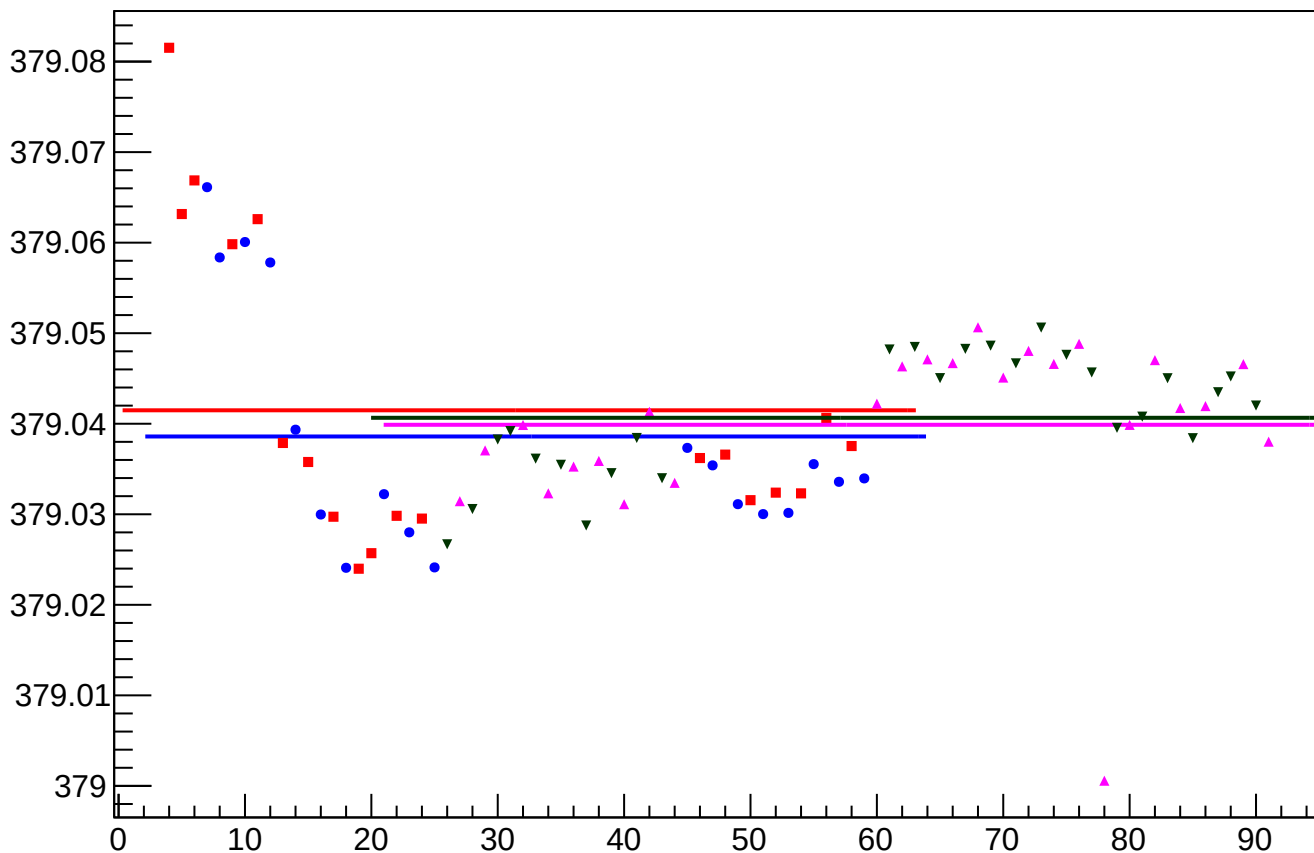
Right Out: 0.215 $\pm$ 0.000 χ^2 /NDF: 631176.3/18

Left In: 0.226 $\pm$ 0.000 χ^2 /NDF:397756.1/24

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

0.221 $\pm$ 0.000 χ^2 /NDF: 1054434.2/43

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

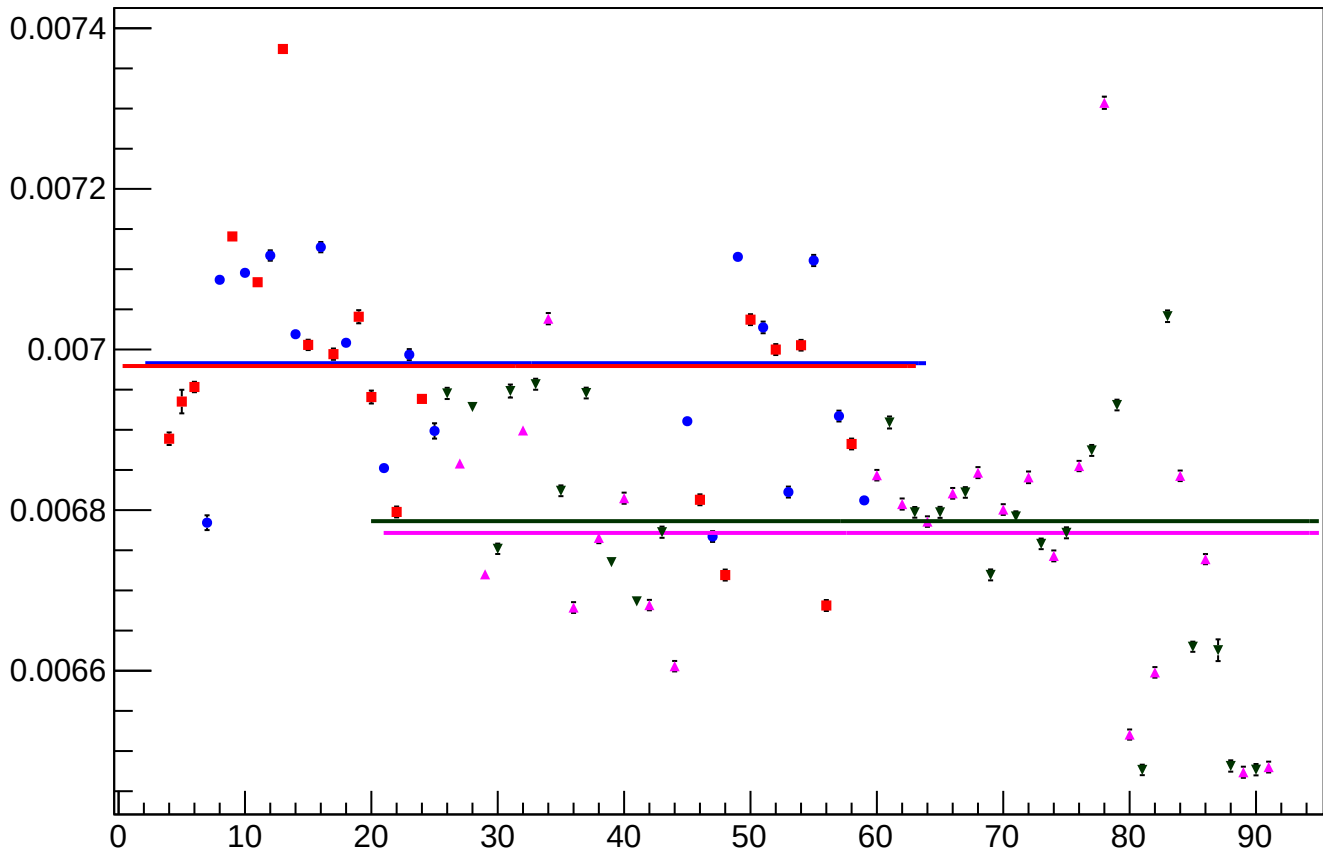
Right Out: 379.041 $\pm$ 0.000 χ^2/NDF : 46280794.1/18

Left In: 379.040 $\pm$ 0.000 χ^2/NDF : 23479205.7/24

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

379.041 $\pm$ 0.000 χ^2/NDF : 70072721.4/43

yield_cav4dQ_rms vs slug



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

Left Out: 0.007 ± 0.000 χ^2/NDF : 12210.2/25

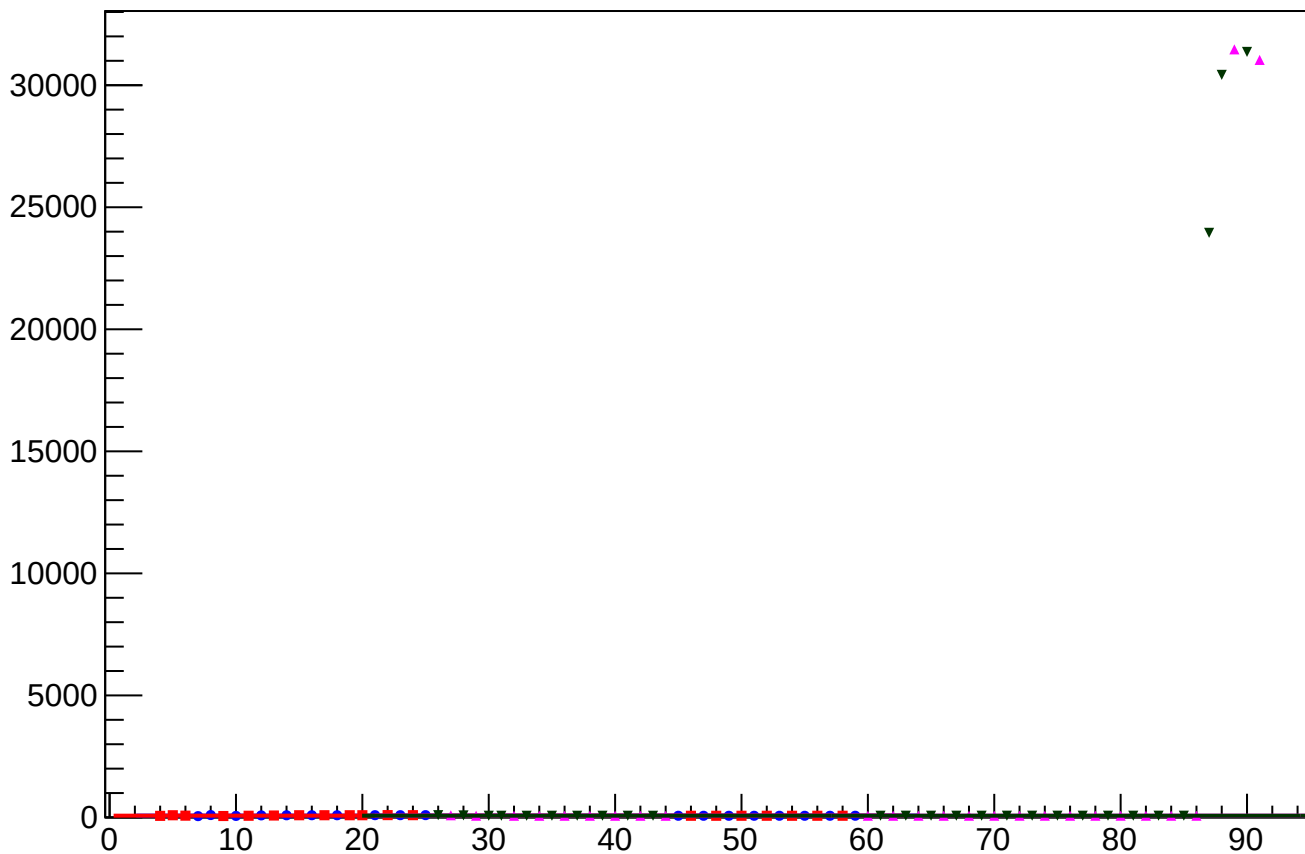
Right Out: 0.007 ± 0.000 χ^2/NDF : 11747.2/18

Left In: 0.007 ± 0.000 χ^2/NDF : 15185.0/24

0.007 ± 0.000 χ^2/NDF : 28731.5/43

0.007 ± 0.000 χ^2/NDF : 37473.8/43

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

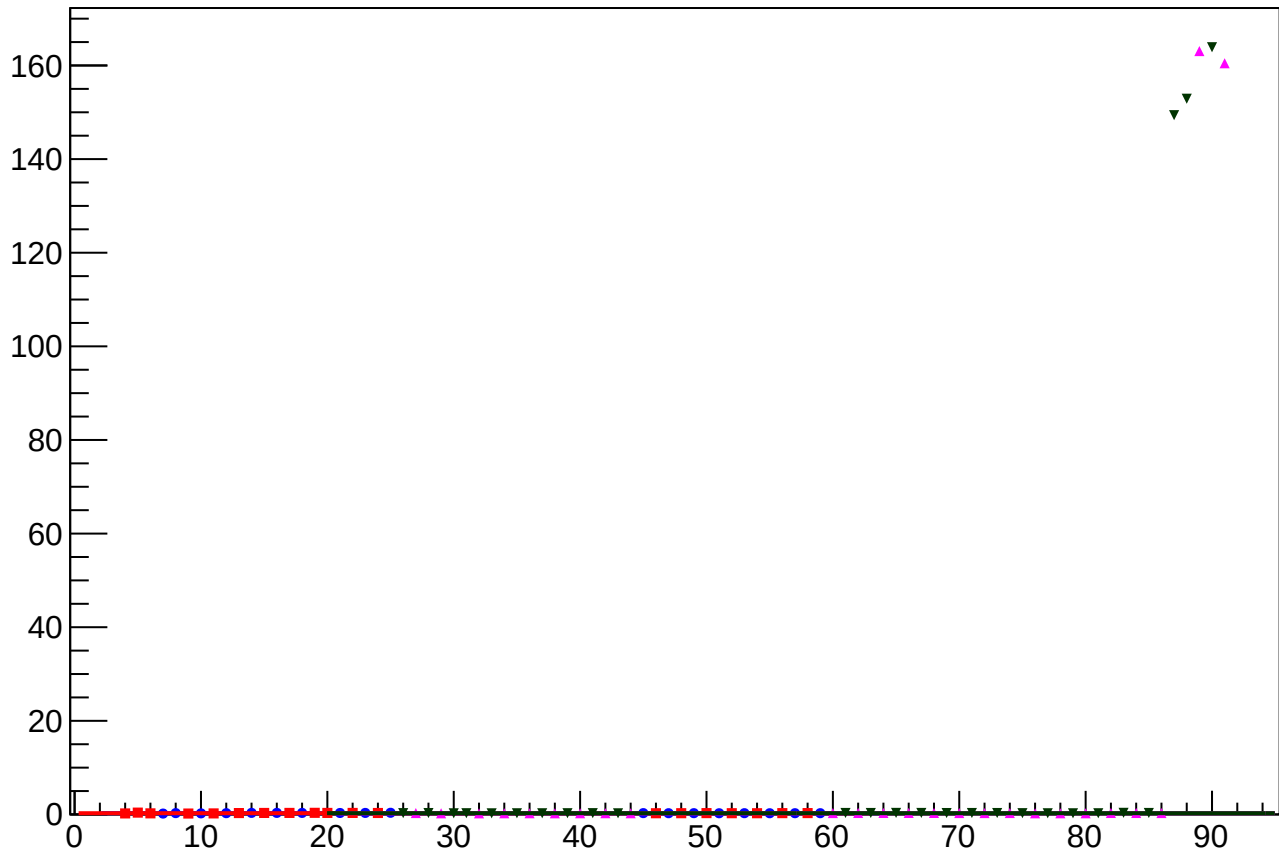
Right Out: 73.439+/-0.000 χ^2/NDF : 14741427319.0/18

Left In: 72.080+/-0.000 χ^2/NDF : 35301843331.3/24

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

72.681+/-0.000 χ^2/NDF : 50171771106.5/43

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

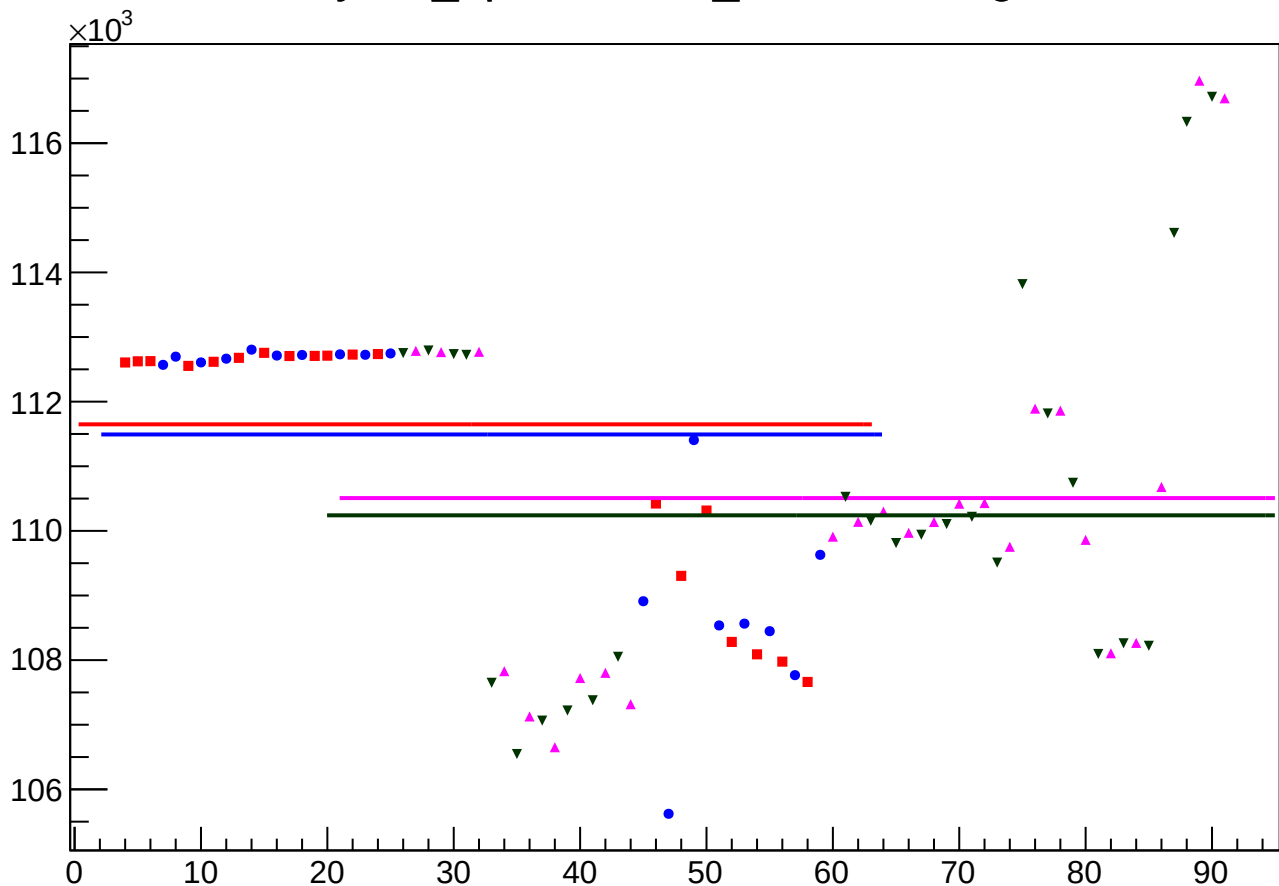
Right Out: 0.265+/-0.000 χ^2/NDF : 503582.7/18

Left In: 0.275+/-0.000 χ^2/NDF : 2011579.4/24

0.277+/-0.000 χ^2/NDF : 2427663.2/43

0.271+/-0.000 χ^2/NDF : 2528293.8/43

yield_bpm2i01WS_mean vs slug



Right In: 111492.185 $\pm$ 0.035 χ^2 /NDF: 3171680490.6/17

Left Out: 110240.789 $\pm$ 0.037 χ^2 /NDF: 5047640471.1/25

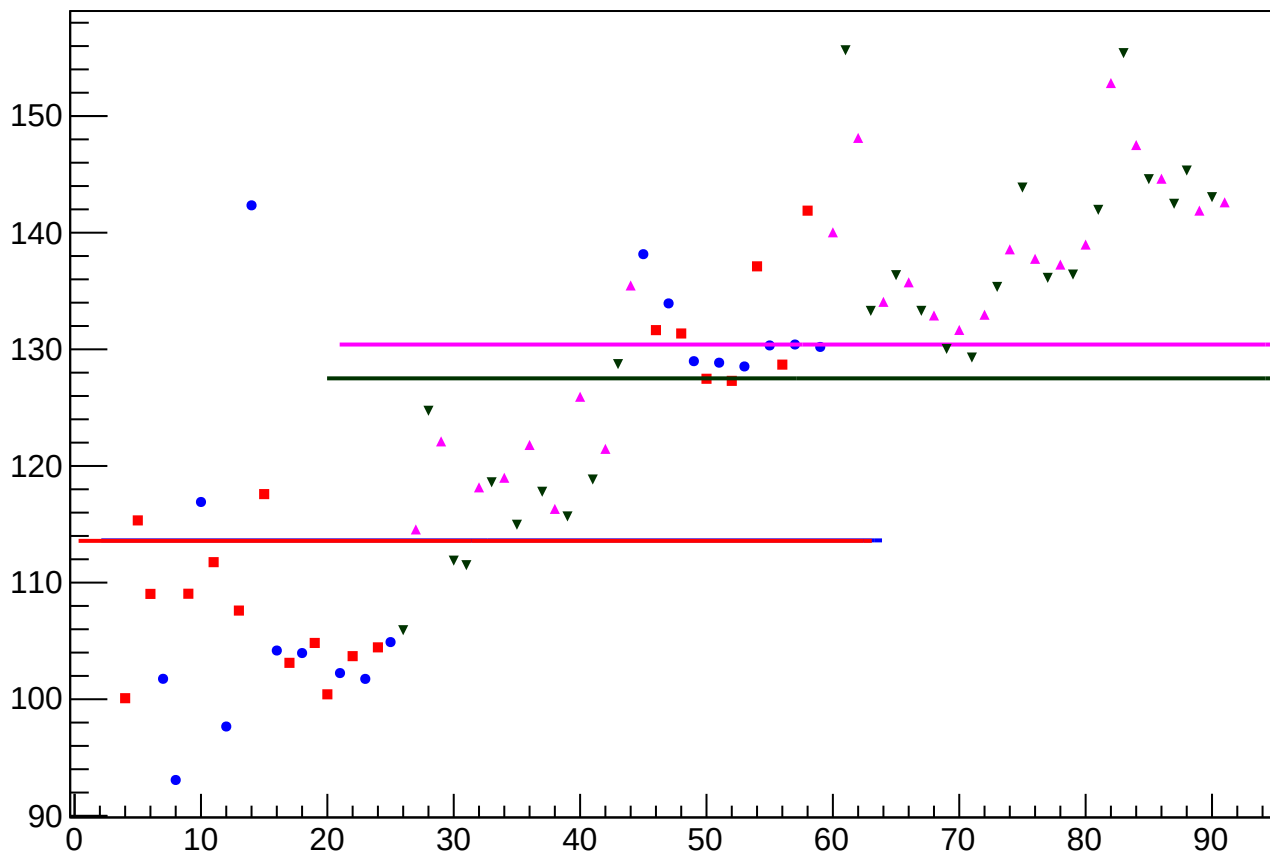
Right Out: 111648.935 $\pm$ 0.037 χ^2 /NDF: 2298631932.7/18

Left In: 110507.776 $\pm$ 0.037 χ^2 /NDF: 4808086137.9/24

110905.187 $\pm$ 0.025 χ^2 /NDF: 8820945747.3/43

111067.005 $\pm$ 0.026 χ^2 /NDF: 7585670324.1/43

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

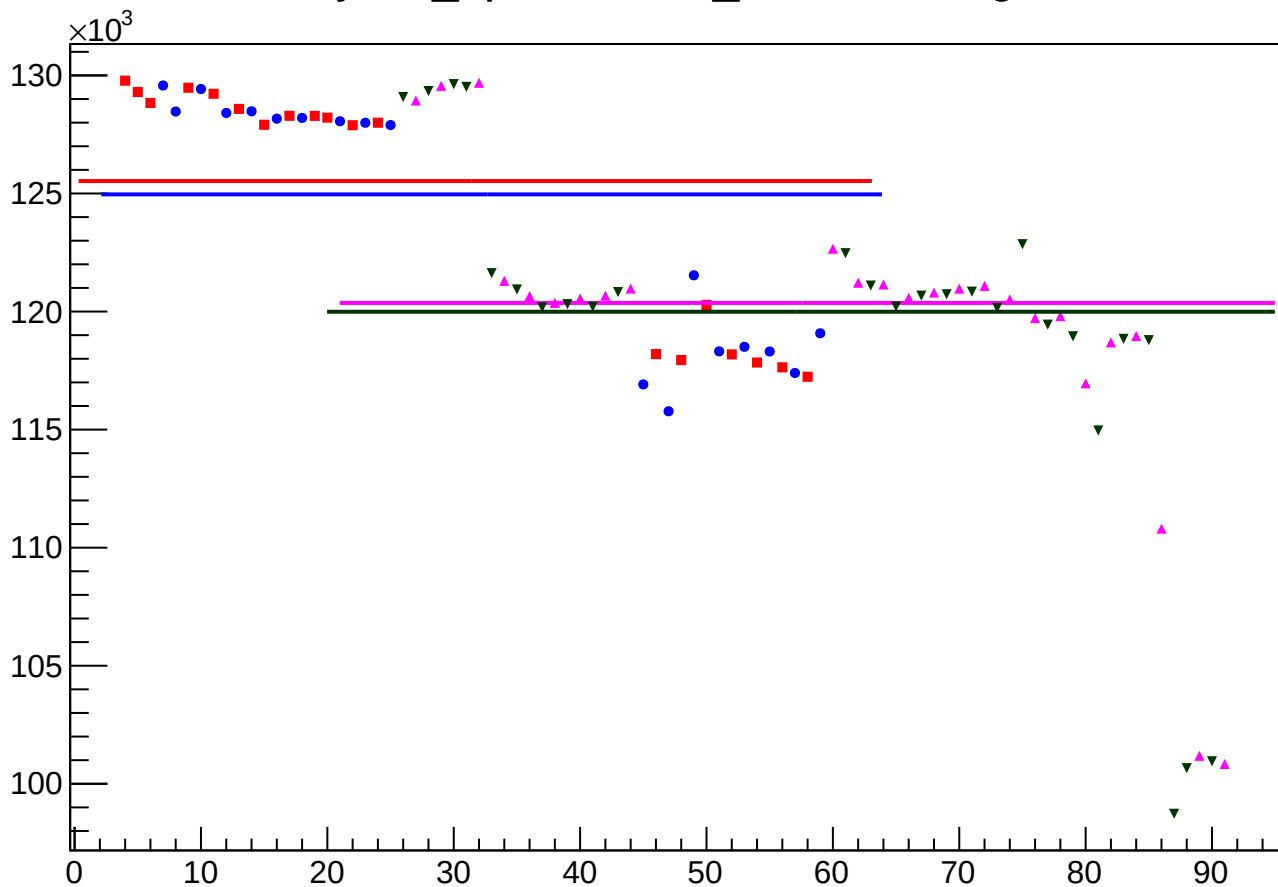
Right Out: 113.579 $\pm$ 0.026 χ^2 /NDF: 206805.2/18

Left In: 130.411 $\pm$ 0.026 χ^2 /NDF: 177079.0/24

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

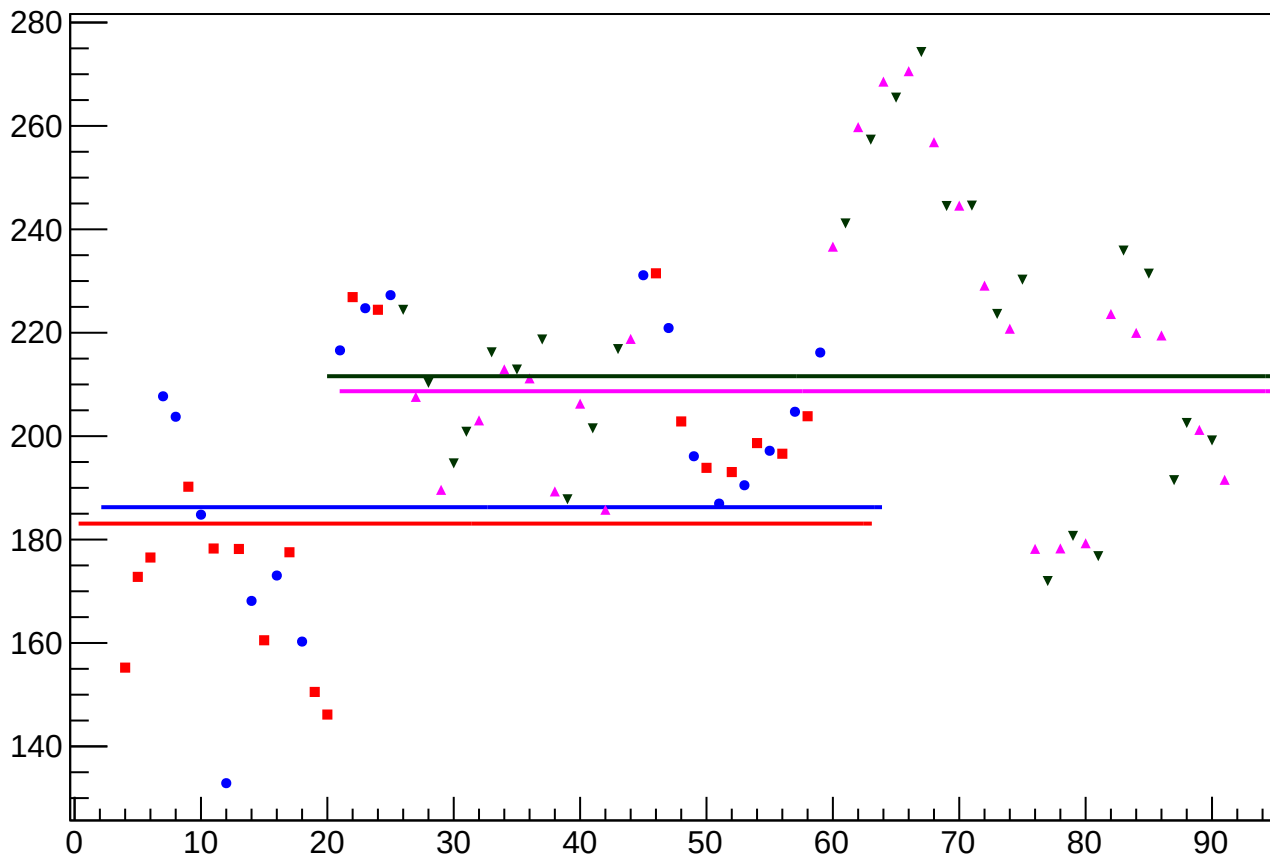
122.163 $\pm$ 0.018 χ^2 /NDF: 592279.0/43

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	122837.031 $\pm$ 0.041	χ^2 /NDF: 25842735971.1/4
Left In: 120364.771 $\pm$ 0.057	χ^2 /NDF: 15380980006.6/24		

yield_bpm0i07WS_rms vs slug



Right In: 186.263 ± 0.040 $\chi^2/\text{NDF}: 462392.0/17$

Left Out: 211.594 ± 0.042 $\chi^2/\text{NDF}: 371022.1/25$

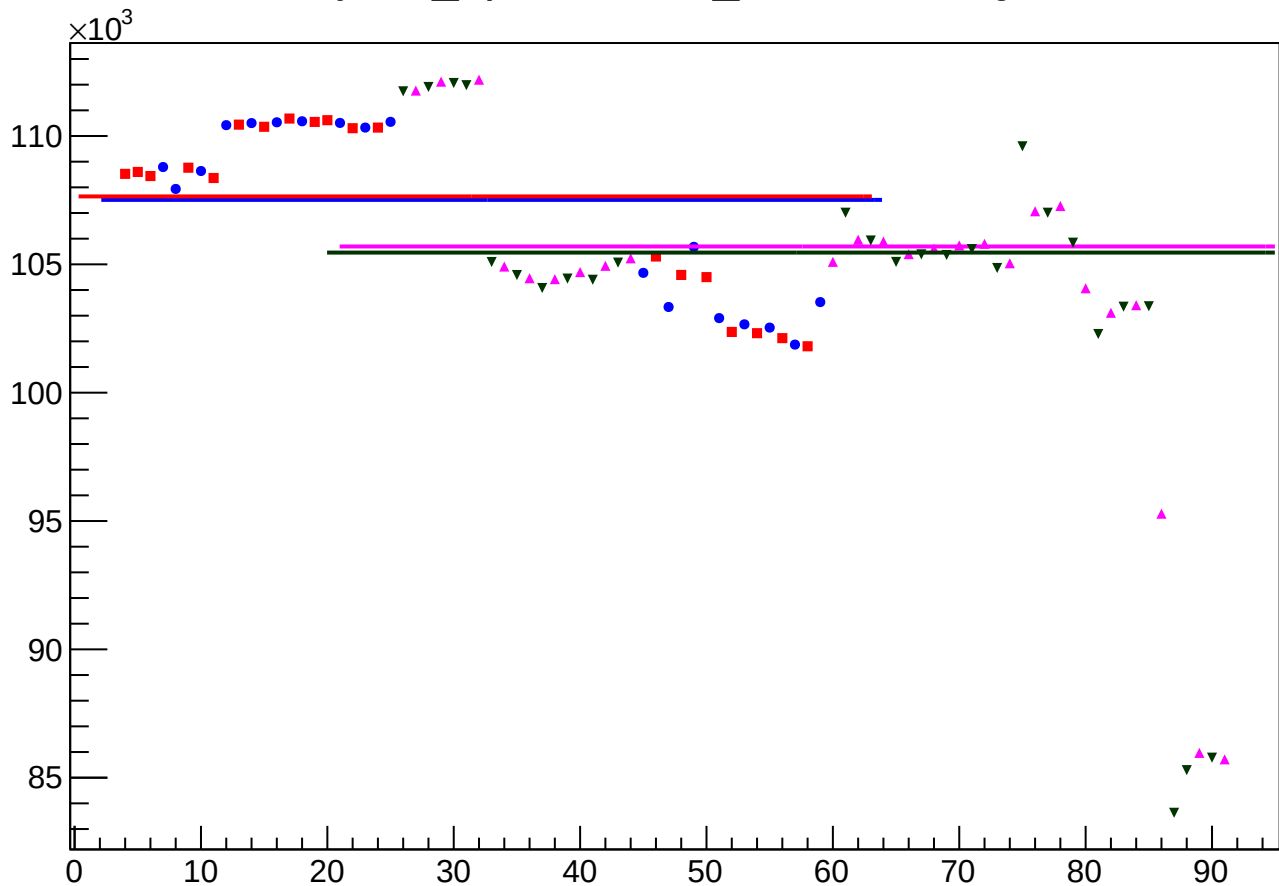
Right Out: 183.088 ± 0.042 $\chi^2/\text{NDF}: 276420.3/18$

Left In: 208.691 ± 0.040 $\chi^2/\text{NDF}: 375671.8/24$

198.220 ± 0.029 $\chi^2/\text{NDF}: 1021270.4/43$

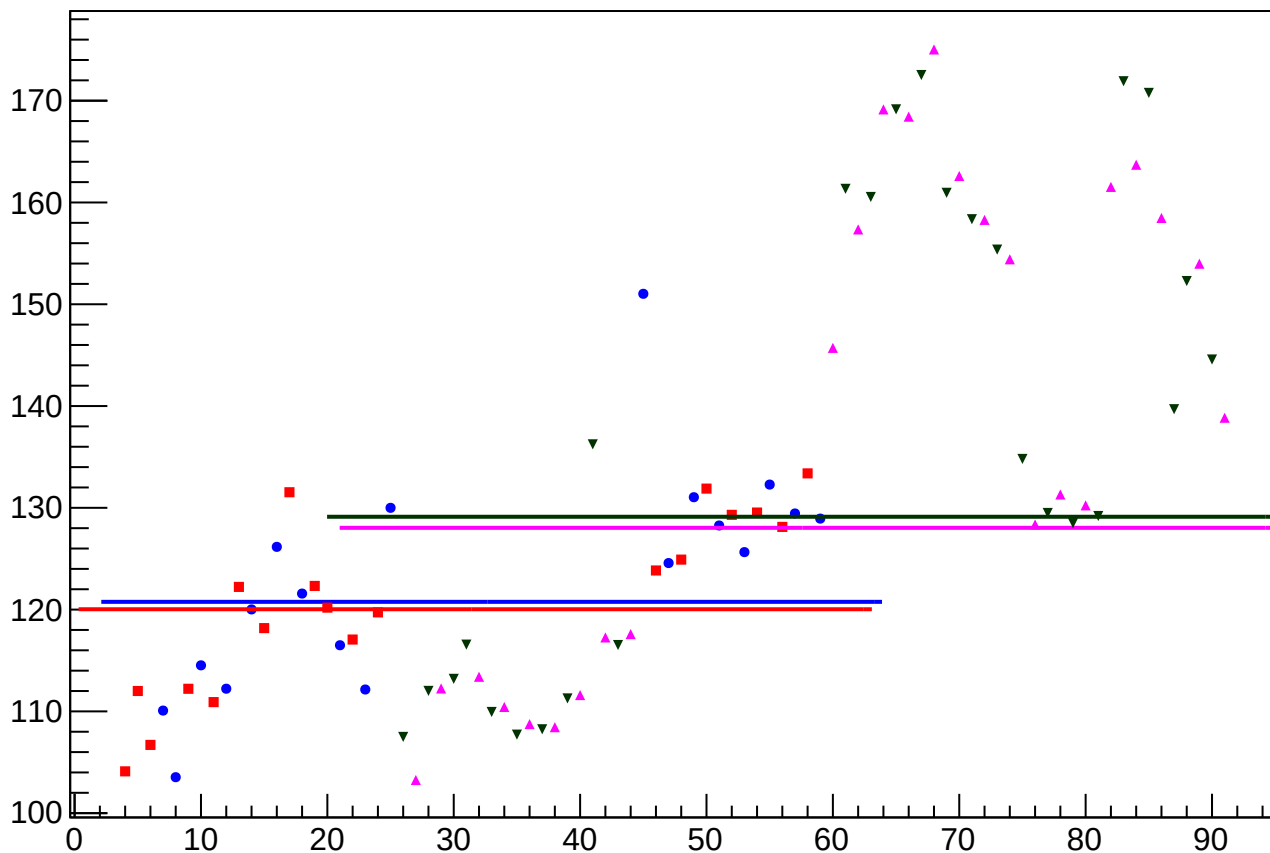
196.429 ± 0.029 $\chi^2/\text{NDF}: 844761.1/43$

yield_bpm0l01WS_mean vs slug



Right In: 107511.375 $\pm$ 0.037 χ^2 /NDF: 7545366390.6/17
 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
 Left In: 105695.831 $\pm$ 0.035 χ^2 /NDF: 28222417281.1/24

yield_bpm0l01WS_rms vs slug



Right In: 120.763 ± 0.026 $\chi^2/\text{NDF}: 155732.1/17$

Left Out: 129.122 ± 0.026 $\chi^2/\text{NDF}: 701901.0/25$

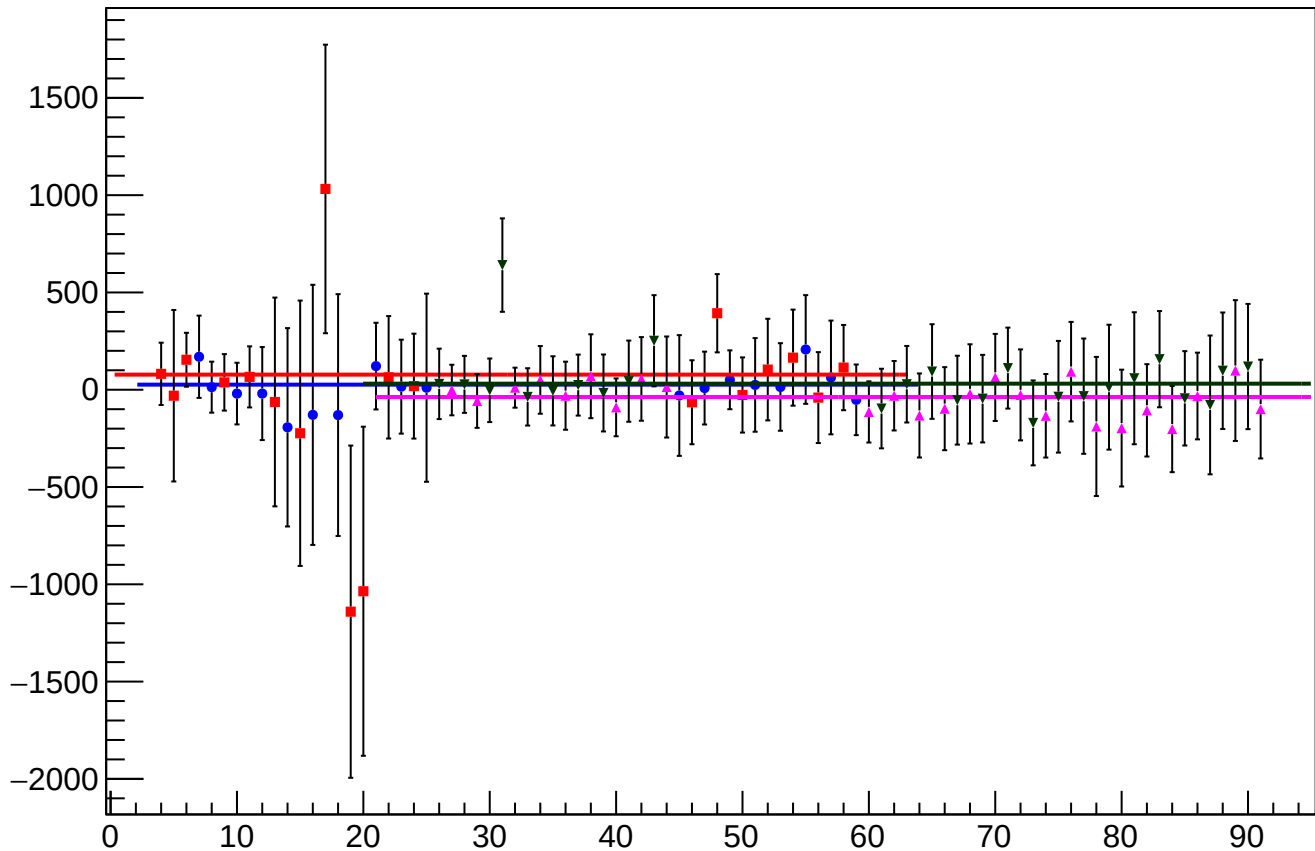
Right Out: 120.035 ± 0.028 $\chi^2/\text{NDF}: 93920.3/18$

Left In: 128.035 ± 0.025 $\chi^2/\text{NDF}: 797527.7/24$

124.898 ± 0.018 $\chi^2/\text{NDF}: 909258.0/43$

124.419 ± 0.019 $\chi^2/\text{NDF}: 937745.6/43$

asym_bcm_an_ds_mean vs slug



Right In: 26.246 ± 52.510 χ^2/NDF : 1.8/17

Left Out: 31.179 ± 41.856 χ^2/NDF : 10.1/25

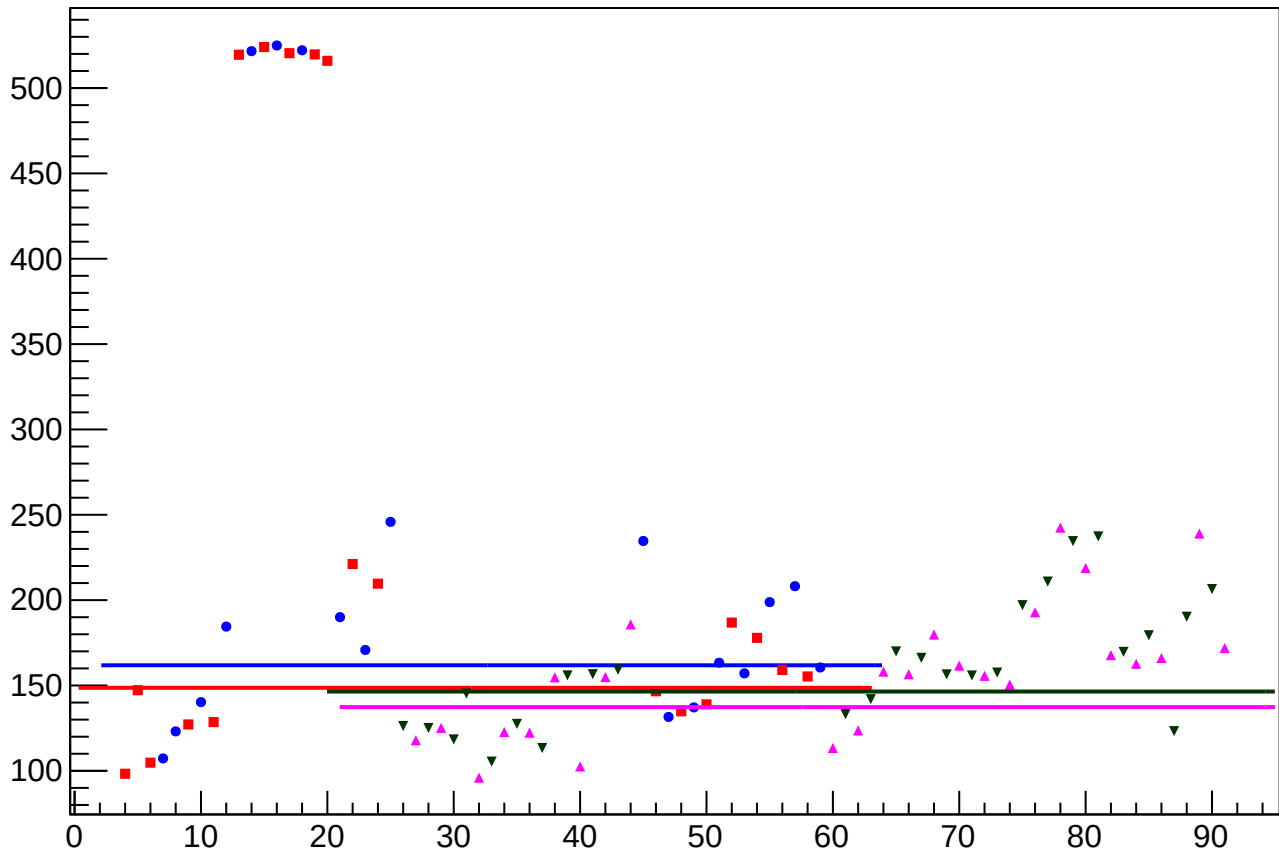
Right Out: 77.703 ± 52.586 χ^2/NDF : 9.8/18

Left In: -37.178 ± 38.304 χ^2/NDF : 3.7/24

29.262 ± 32.730 χ^2/NDF : 11.9/43

2.645 ± 30.961 χ^2/NDF : 16.6/43

asym_bcm_an_ds_rms vs slug



Right In: 161.835 $\pm$ 0.037 χ^2 /NDF: 3018868.1/17

Left Out: 146.455 $\pm$ 0.030 χ^2 /NDF:1091826.9/25

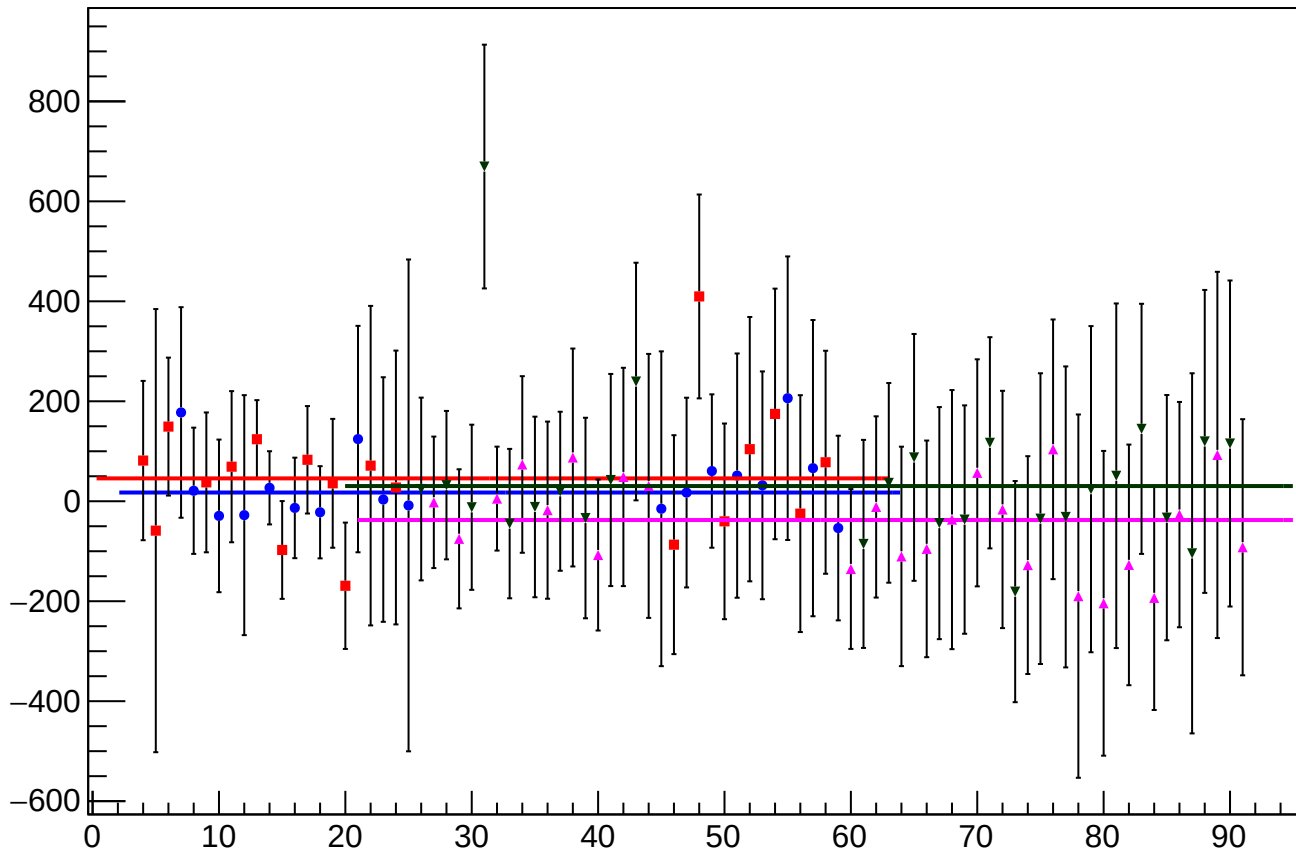
152.430 $\pm$ 0.023 χ^2 /NDF: 4215606.1/43

Right Out: 148.646 $\pm$ 0.037 χ^2 /NDF: 3594583.0/18

141.248 $\pm$ 0.022 χ^2 /NDF: 5167306.7/43

Left In: 137.323 $\pm$ 0.027 χ^2 /NDF:1512138.3/24

asym_bcm_an_ds3_mean vs slug



Right In: 17.458 ± 36.313 $\chi^2/\text{NDF}: 2.0/17$

Left Out: 30.395 ± 42.455 $\chi^2/\text{NDF}: 10.4/25$

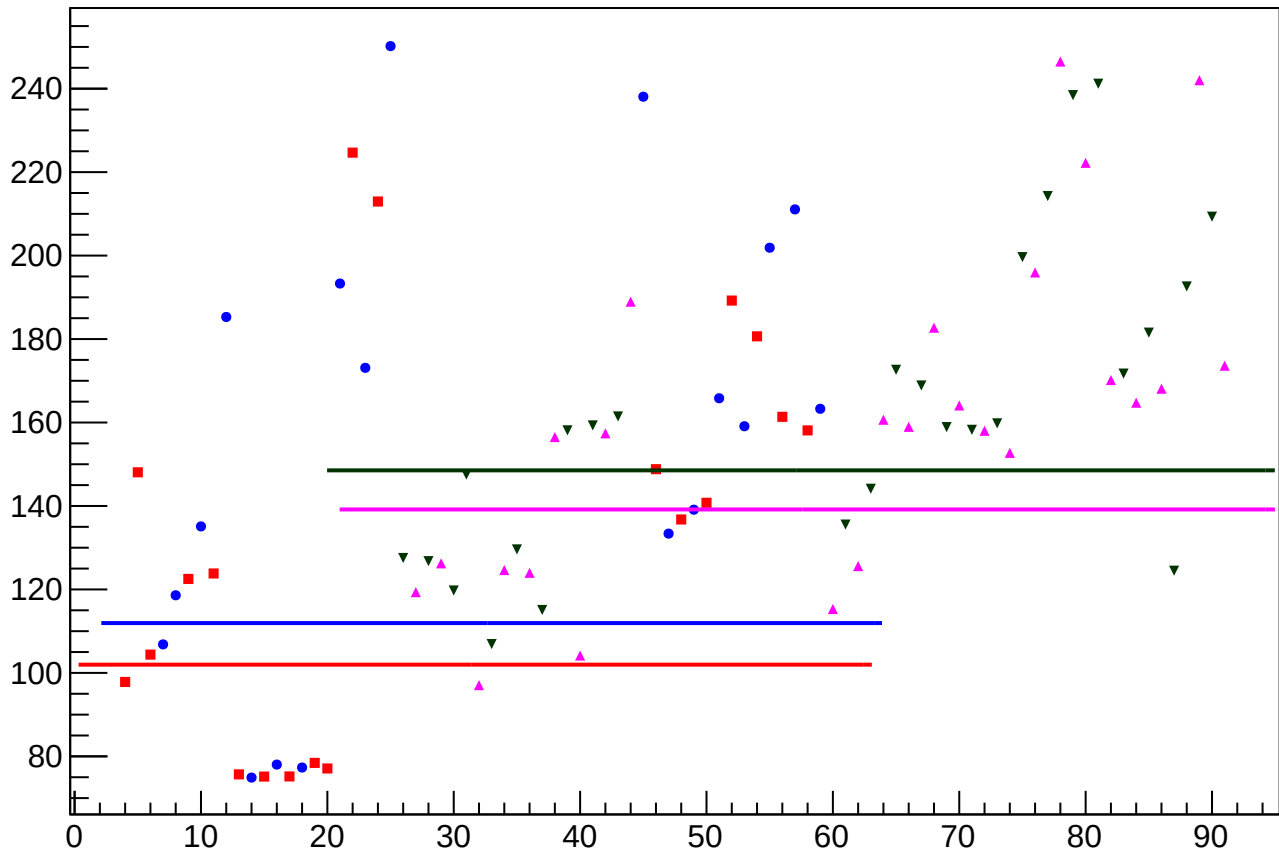
Right Out: 45.735 ± 34.677 $\chi^2/\text{NDF}: 11.0/18$

Left In: -37.555 ± 38.826 $\chi^2/\text{NDF}: 4.0/24$

22.924 ± 27.596 $\chi^2/\text{NDF}: 12.4/43$

8.776 ± 25.863 $\chi^2/\text{NDF}: 17.6/43$

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

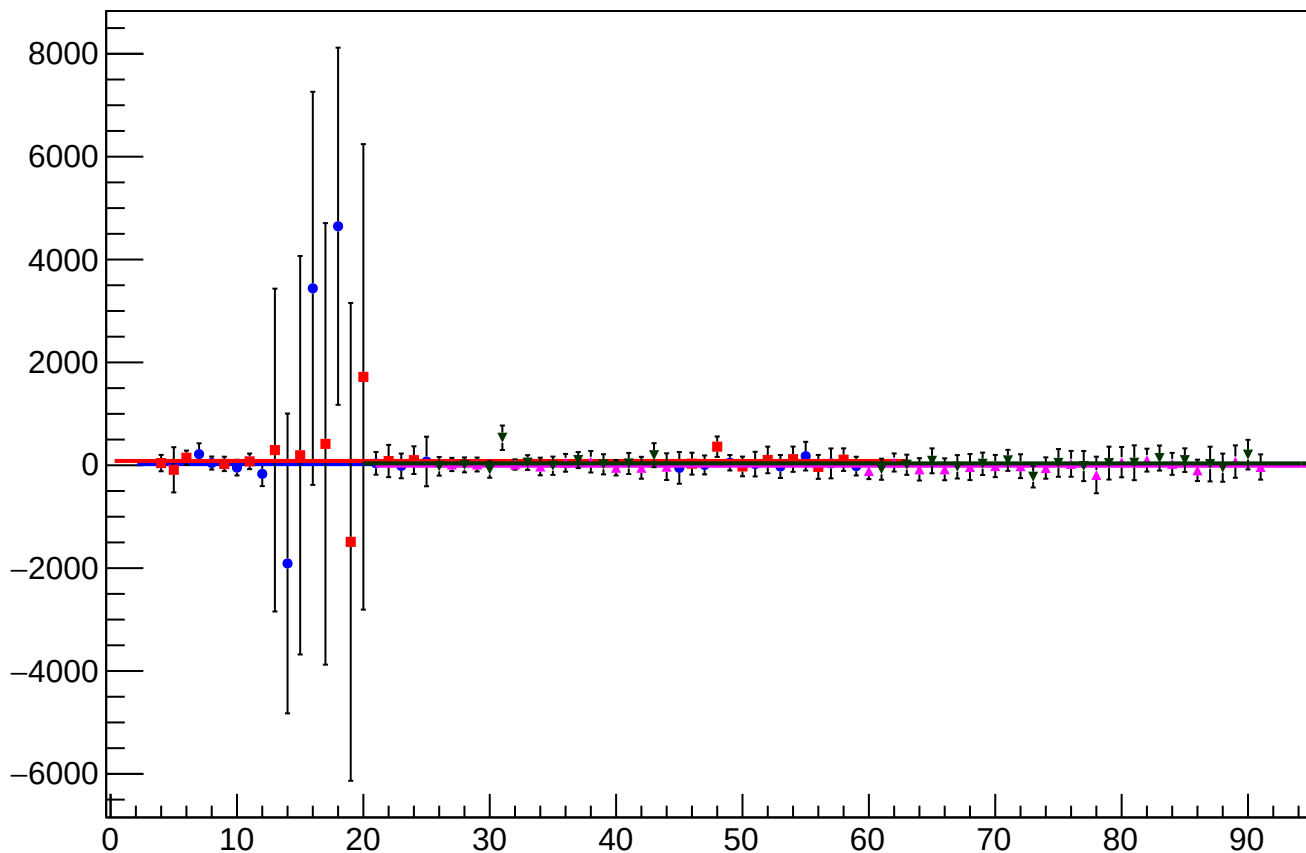
127.403 $\pm$ 0.020 χ^2 /NDF: 4926417.5/43

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

118.476 $\pm$ 0.018 χ^2 /NDF: 4813624.9/43

Left In: 139.165 $\pm$ 0.027 χ^2 /NDF:1520947.0/24

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

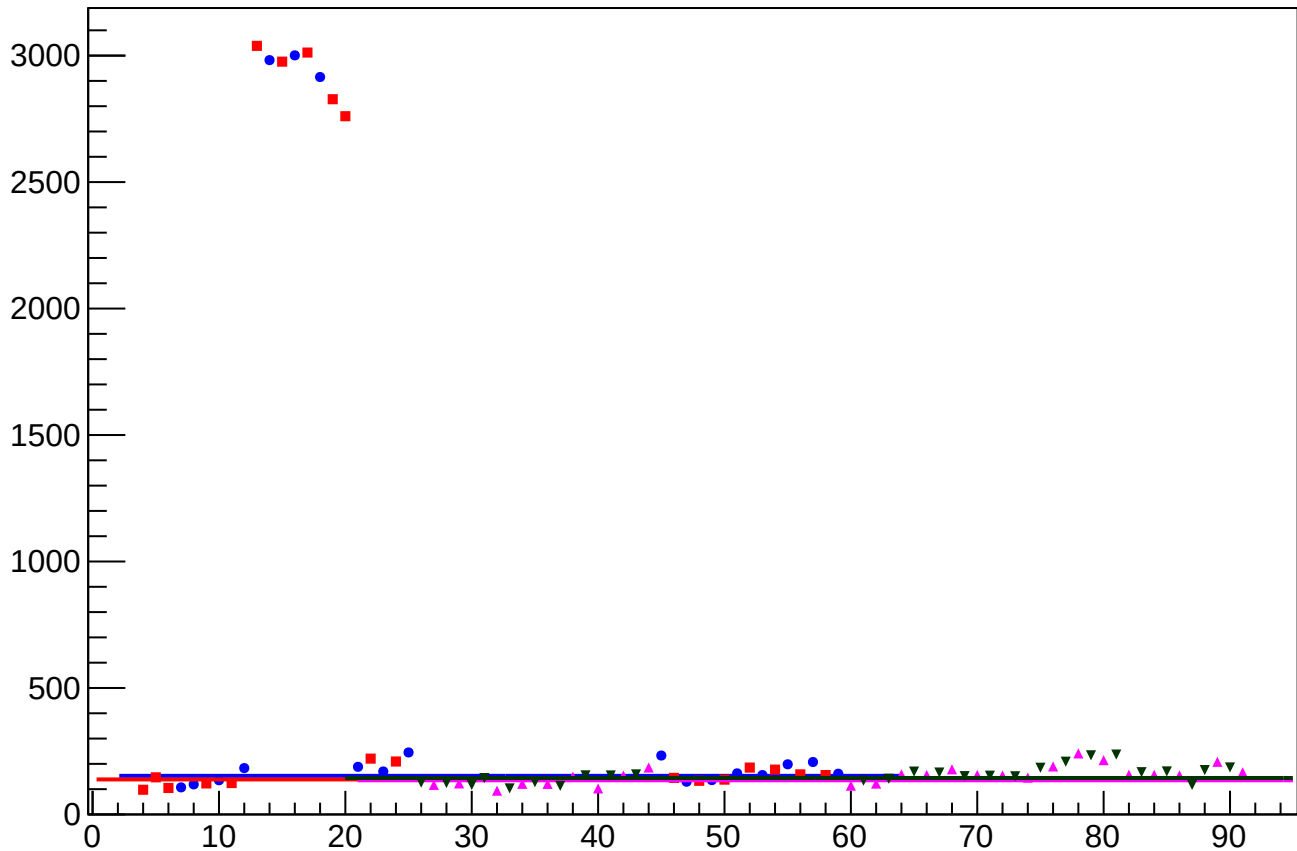
Right Out: 84.092 $\pm$ 52.636 χ^2 /NDF: 3.5/18

Left In: -9.015 $\pm$ 37.600 χ^2 /NDF: 2.2/24

31.482 $\pm$ 32.353 χ^2 /NDF: 13.9/43

22.444 $\pm$ 30.596 χ^2 /NDF: 7.7/43

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

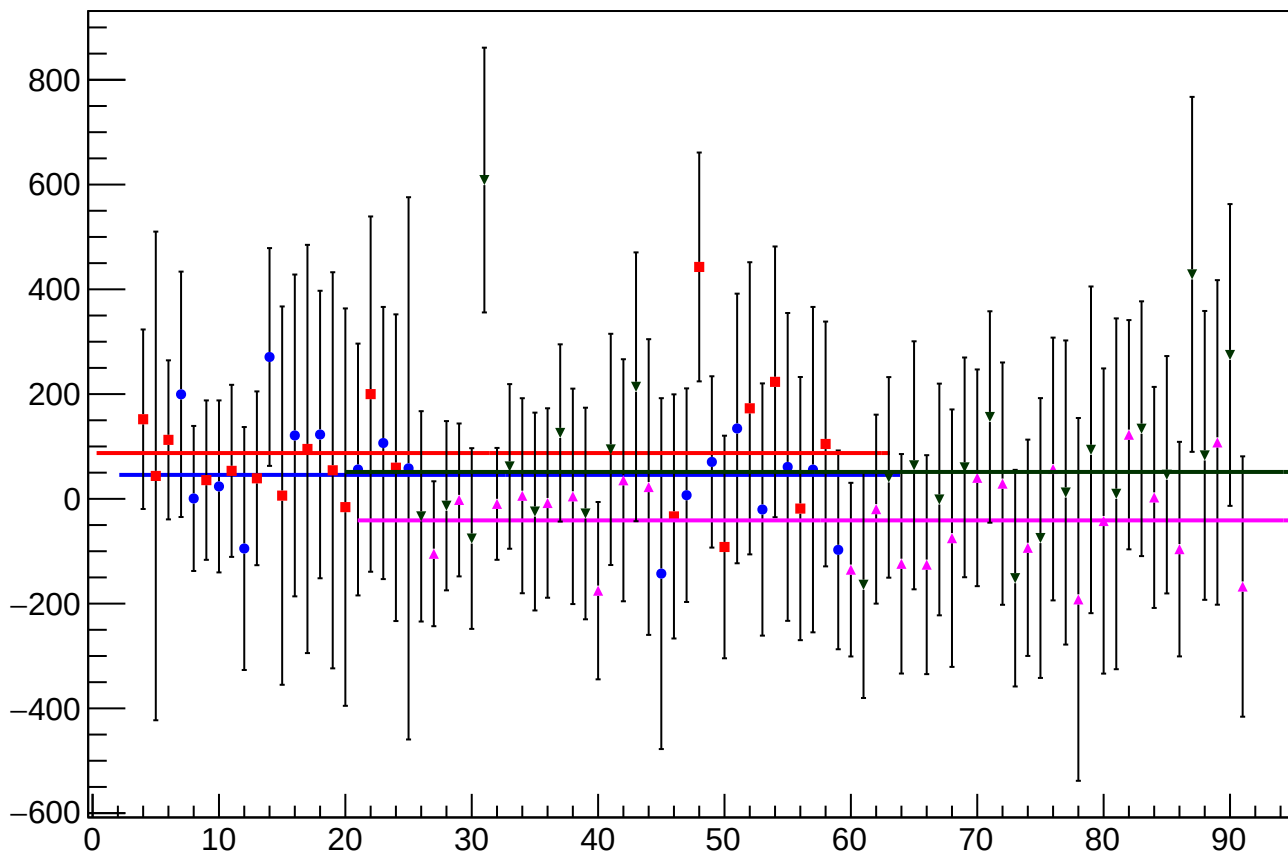
147.399+/-0.023 χ^2/NDF : 6070885.1/43

Right Out: 138.455+/-0.037 χ^2/NDF : 5734578.9/18

136.218+/-0.022 χ^2/NDF : 7154383.2/43

Left In: 135.076+/-0.027 χ^2/NDF : 1414345.6/24

asym_bcm_dg_us_mean vs slug



Right In: 45.739+/-52.604 χ^2/NDF : 3.4/17

Left Out: 51.370+/-42.677 χ^2/NDF : 11.2/25

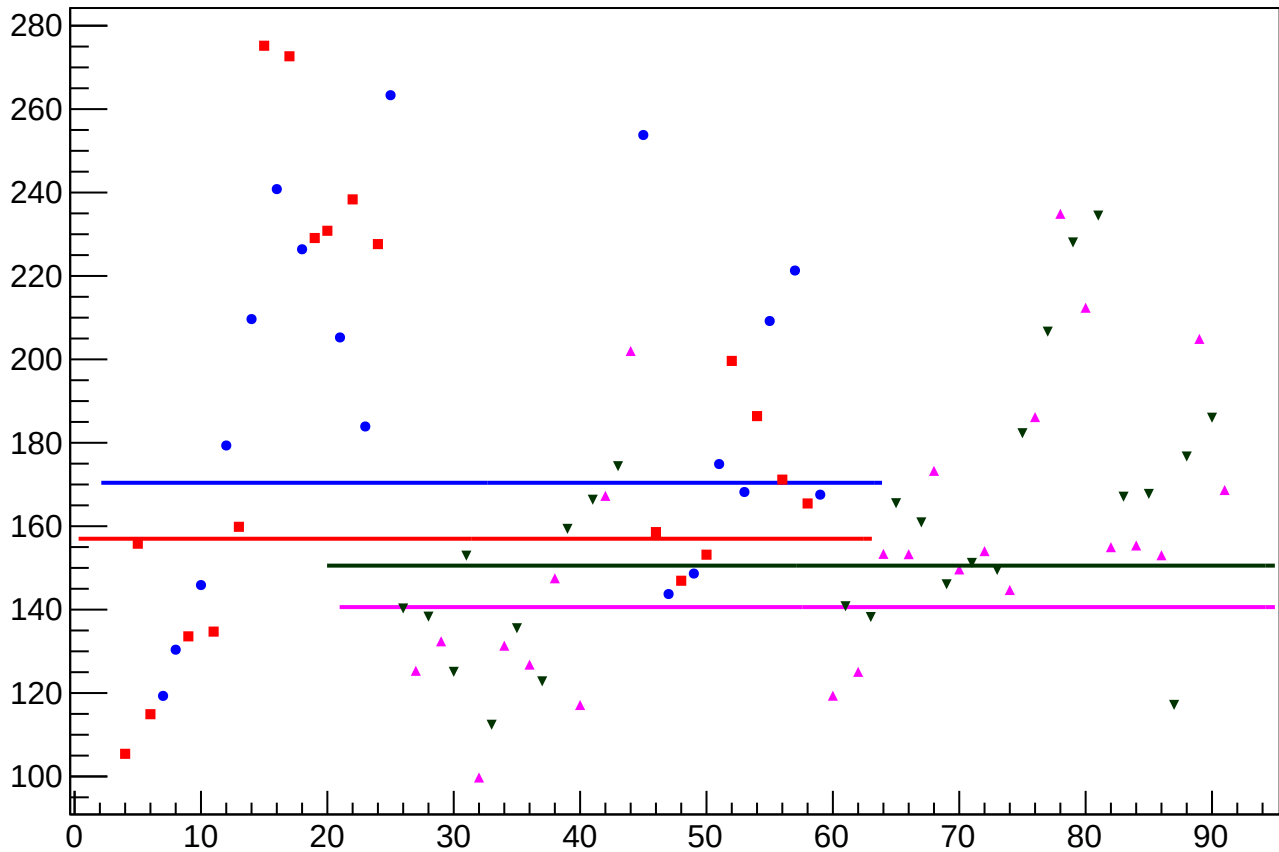
Right Out: 87.434+/-51.940 χ^2/NDF : 4.9/18

Left In: -41.106+/-38.901 χ^2/NDF : 3.8/24

49.135+/-33.142 χ^2/NDF : 14.7/43

5.085+/-31.136 χ^2/NDF : 12.6/43

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

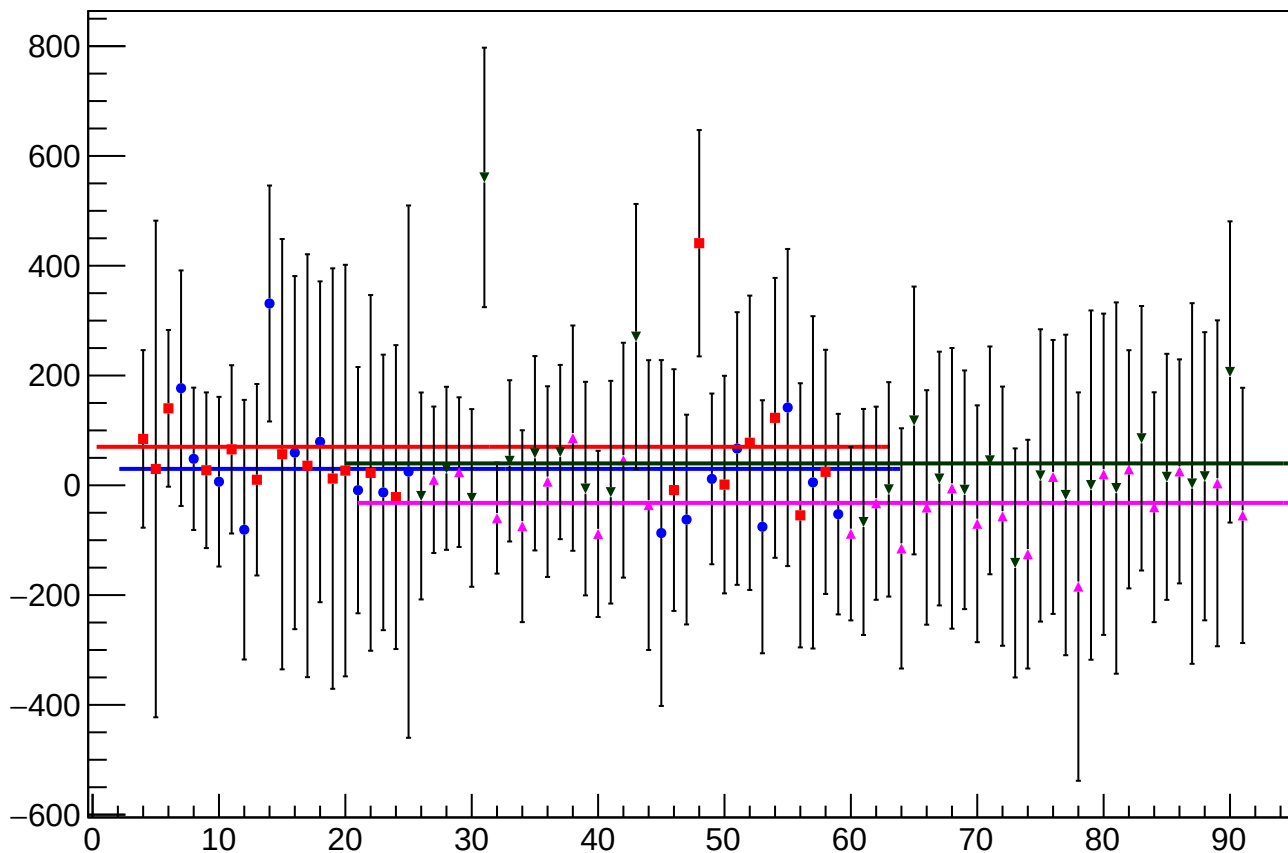
158.433 $\pm$ 0.023 χ^2 /NDF: 1878910.8/43

Right Out: 156.997 $\pm$ 0.037 χ^2 /NDF: 1276447.5/18

146.496 $\pm$ 0.022 χ^2 /NDF: 2488201.4/43

Left In: 140.607 $\pm$ 0.028 χ^2 /NDF:1084163.6/24

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 $\chi^2/\text{NDF}: 7.9/25$

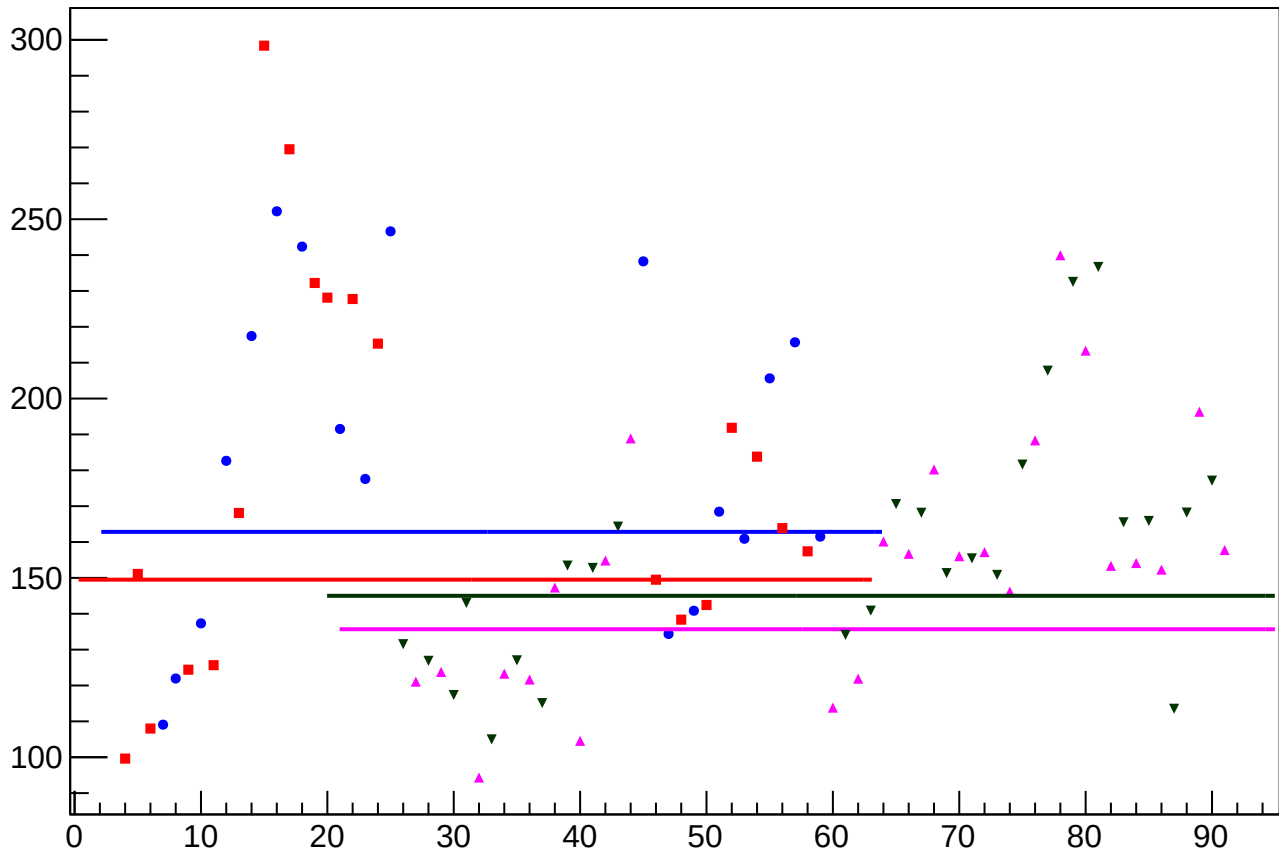
Right Out: 70.155 ± 49.782 $\chi^2/\text{NDF}: 4.5/18$

Left In: -32.051 ± 37.691 $\chi^2/\text{NDF}: 2.0/24$

35.899 ± 31.986 $\chi^2/\text{NDF}: 11.7/43$

5.189 ± 30.050 $\chi^2/\text{NDF}: 9.2/43$

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

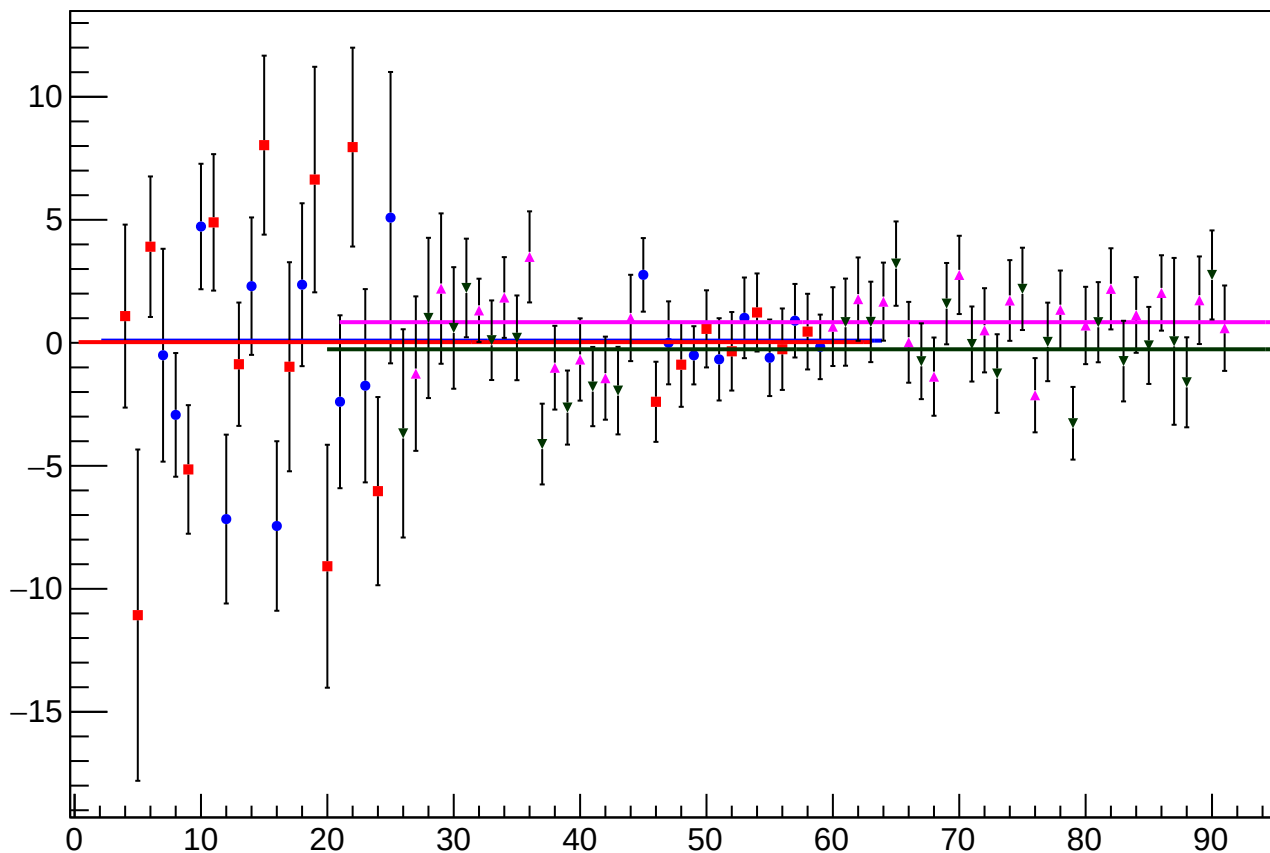
152.131+/-0.023 χ^2/NDF : 2314994.8/43

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

140.723+/-0.021 χ^2/NDF : 2916198.8/43

Left In: 135.687+/-0.027 χ^2/NDF : 1327528.9/24

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

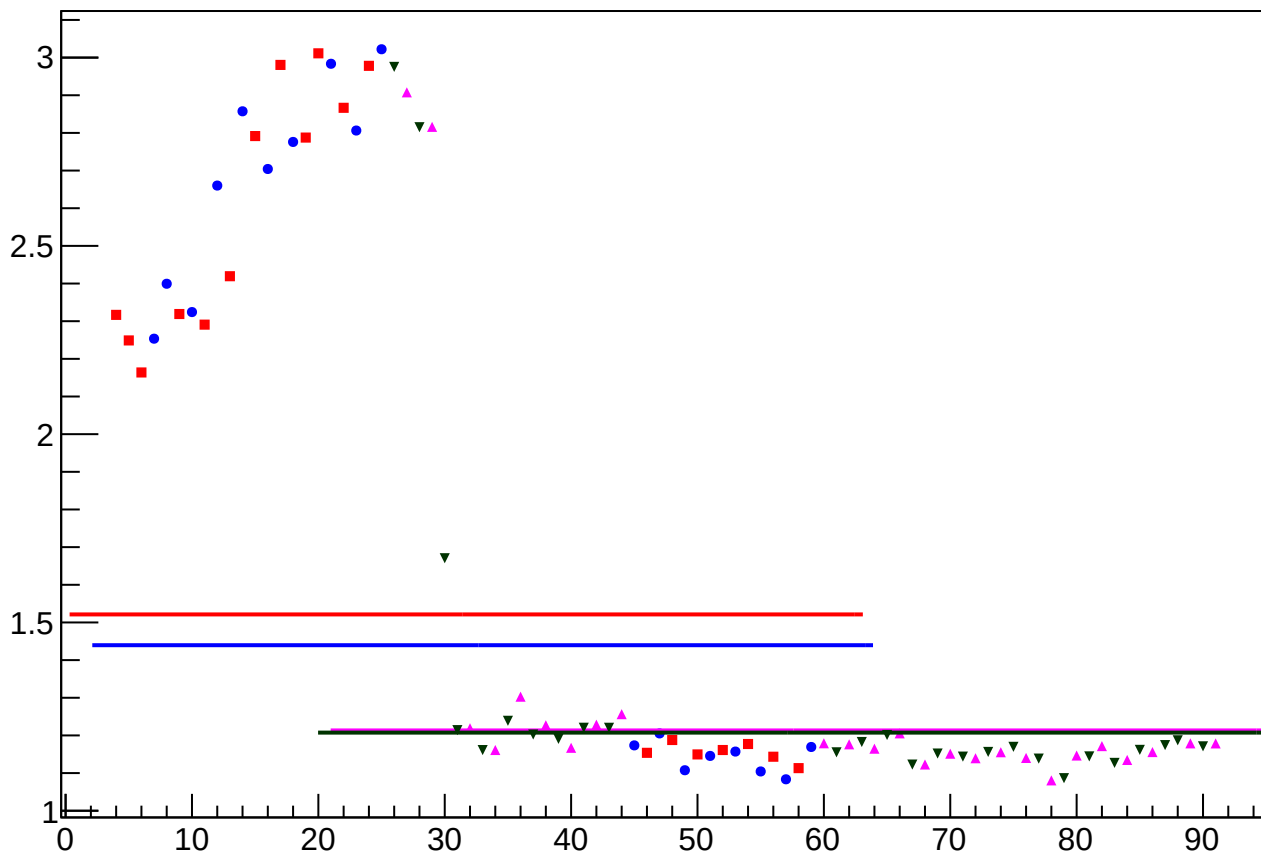
Right Out: 0.028 ± 0.520 χ^2/NDF : 31.9/18

Left In: 0.839 ± 0.334 χ^2/NDF : 17.2/24

-0.139 ± 0.276 χ^2/NDF : 50.7/43

0.602 ± 0.281 χ^2/NDF : 50.8/43

asym_cav4bQ_rms vs slug



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3409388.4/17

Left Out: 1.207 $\pm$ 0.000 χ^2 /NDF: 954186.7/25

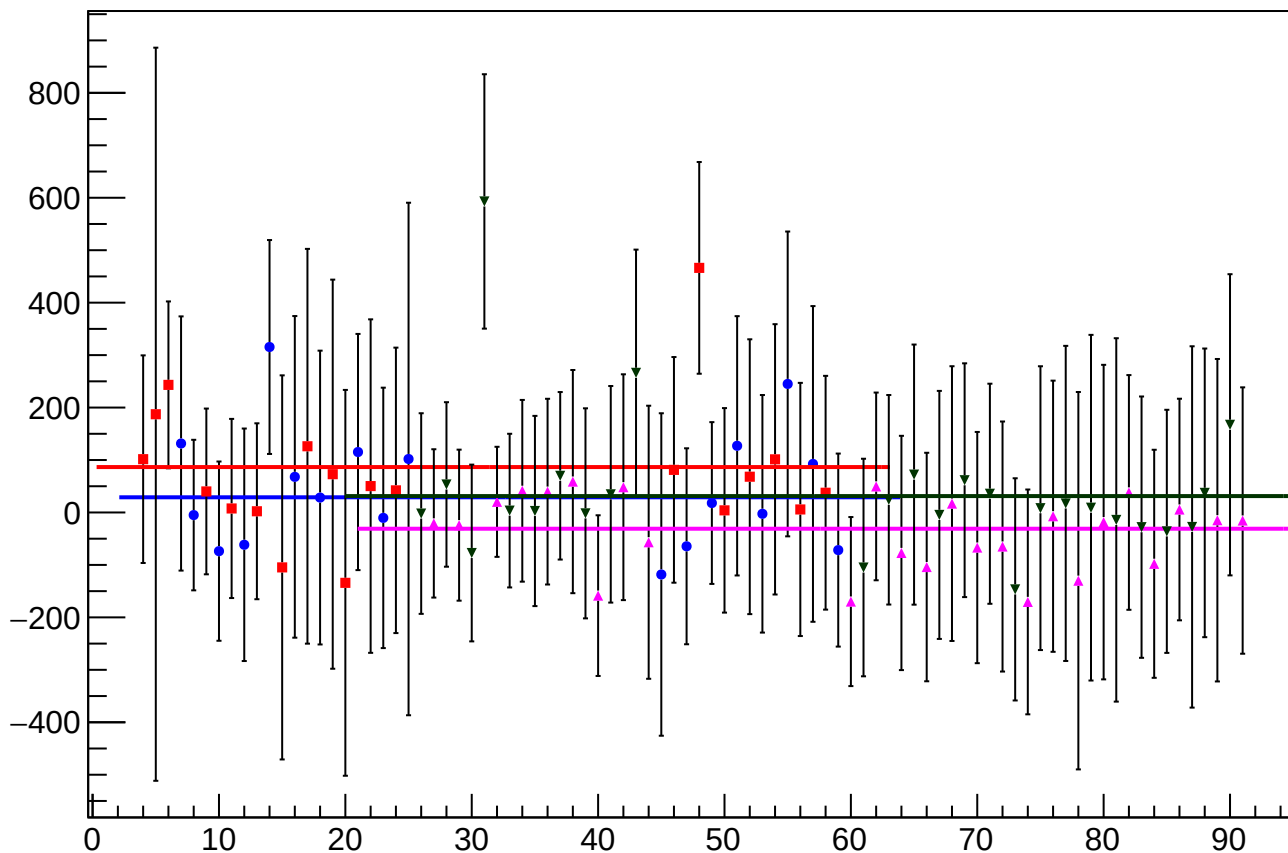
Right Out: 1.521 $\pm$ 0.000 χ^2 /NDF: 2870549.2/18

Left In: 1.213 $\pm$ 0.000 χ^2 /NDF: 1194725.1/24

1.289 $\pm$ 0.000 χ^2 /NDF: 4685692.2/43

1.303 $\pm$ 0.000 χ^2 /NDF: 4562837.9/43

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

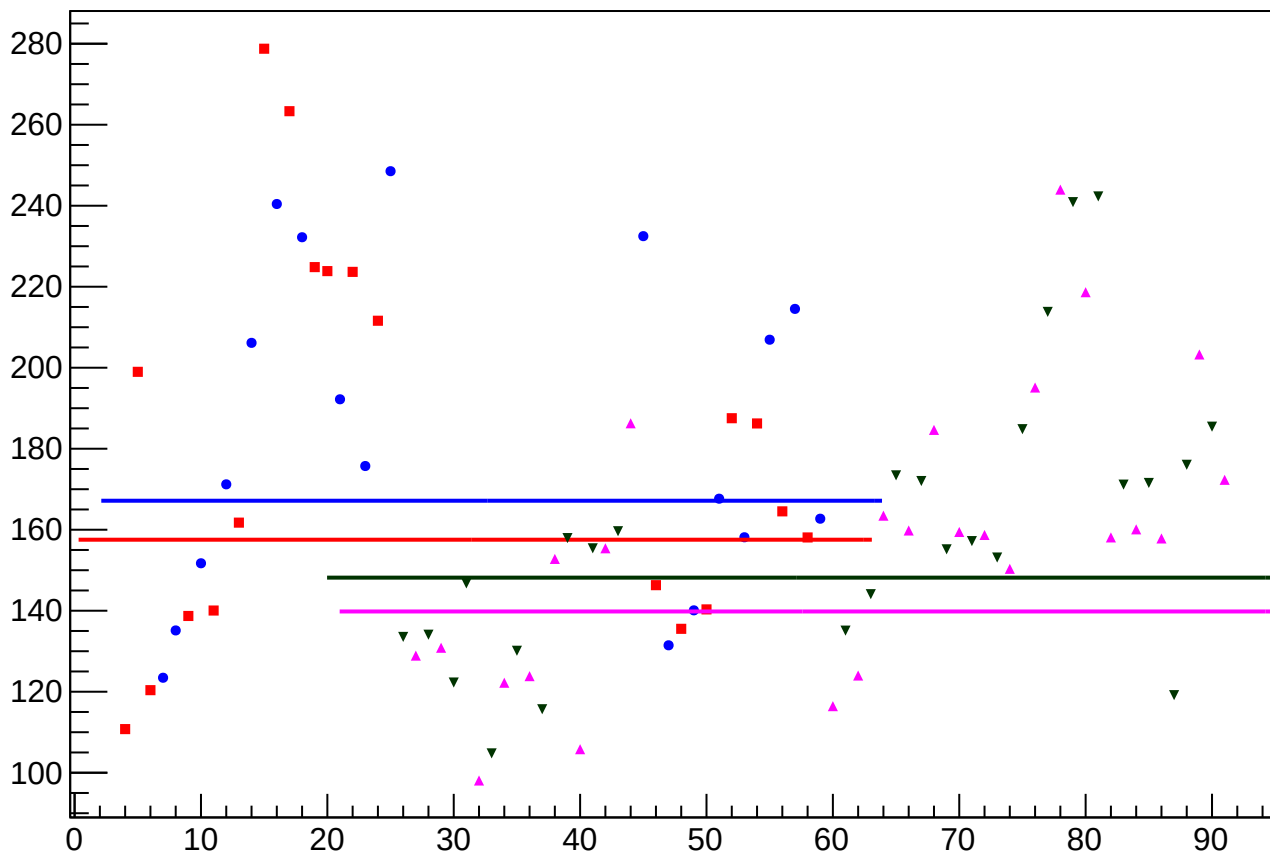
Right Out: 86.558+/-52.059 χ^2/NDF : 6.1/18

Left In: -31.000+/-38.800 χ^2/NDF : 3.5/24

30.312+/-32.638 χ^2/NDF : 13.1/43

10.982+/-31.110 χ^2/NDF : 12.9/43

asym_cav4cQ_rms vs slug



Right In: 167.159 $\pm$ 0.036 χ^2 /NDF: 875808.6/17

Left Out: 148.170 $\pm$ 0.030 χ^2 /NDF:965943.6/25

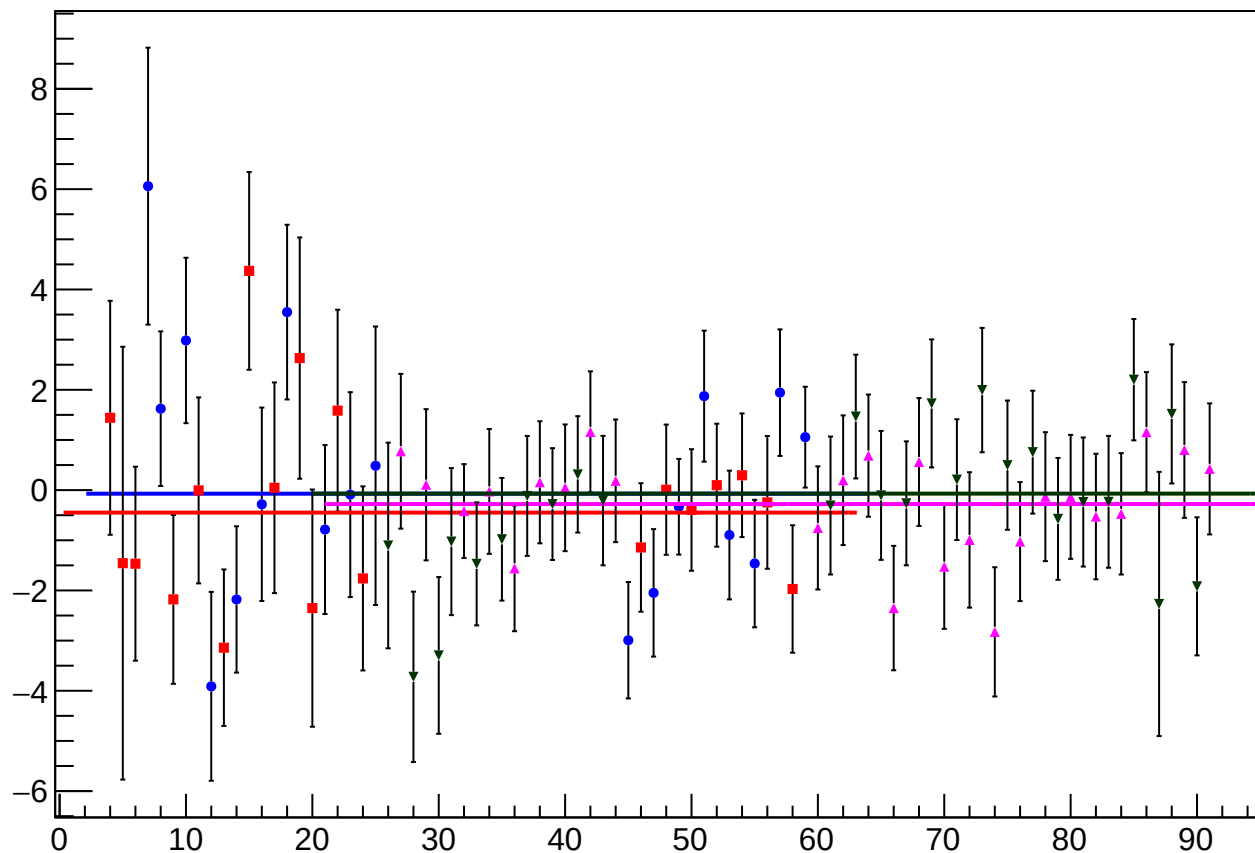
Right Out: 157.534 $\pm$ 0.037 χ^2 /NDF: 1049684.2/18

Left In: 139.816 $\pm$ 0.027 χ^2 /NDF:1302888.2/24

155.803 $\pm$ 0.023 χ^2 /NDF: 2004493.5/43

146.143 $\pm$ 0.022 χ^2 /NDF: 2501520.8/43

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

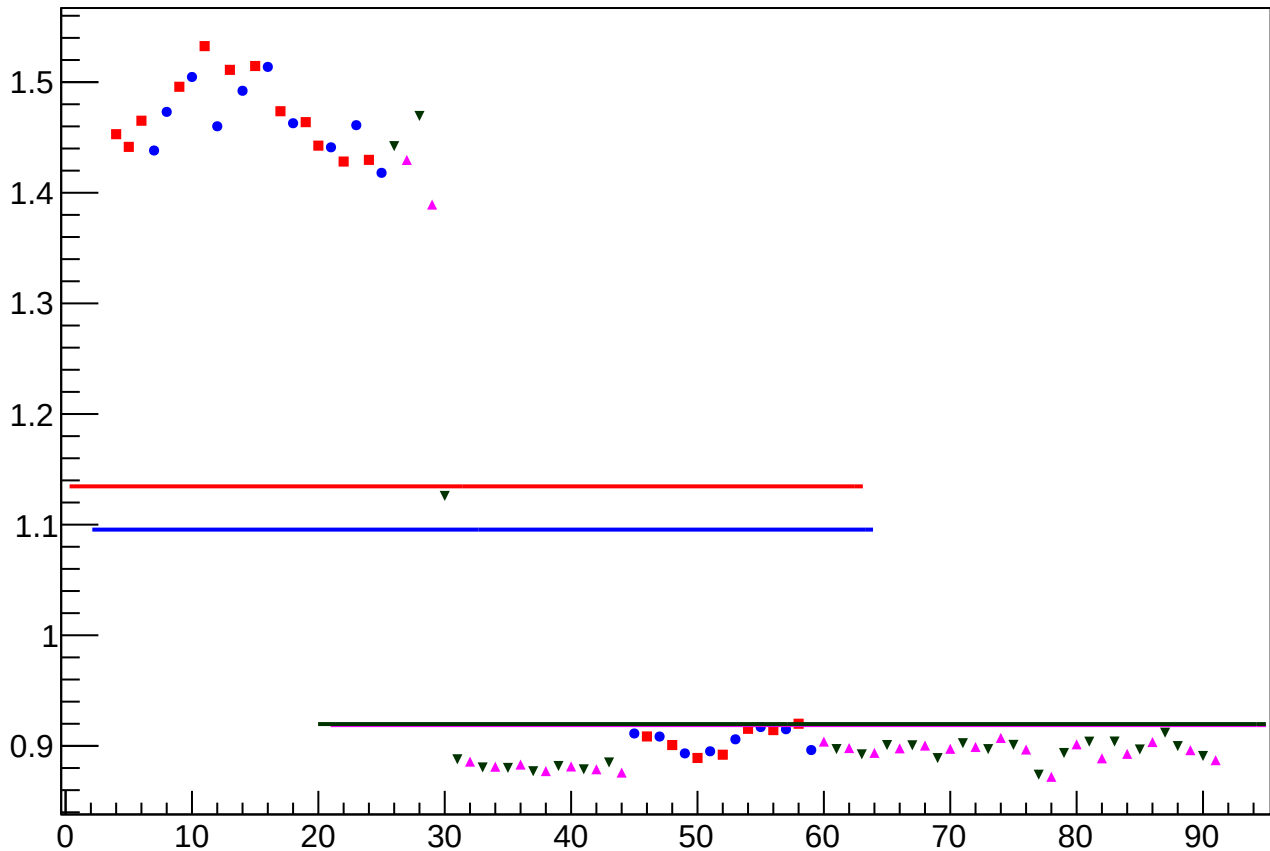
Right Out: -0.448 ± 0.369 χ^2/NDF : 17.4/18

Left In: -0.278 ± 0.249 χ^2/NDF : 15.6/24

-0.070 ± 0.204 χ^2/NDF : 63.0/43

-0.331 ± 0.207 χ^2/NDF : 33.1/43

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

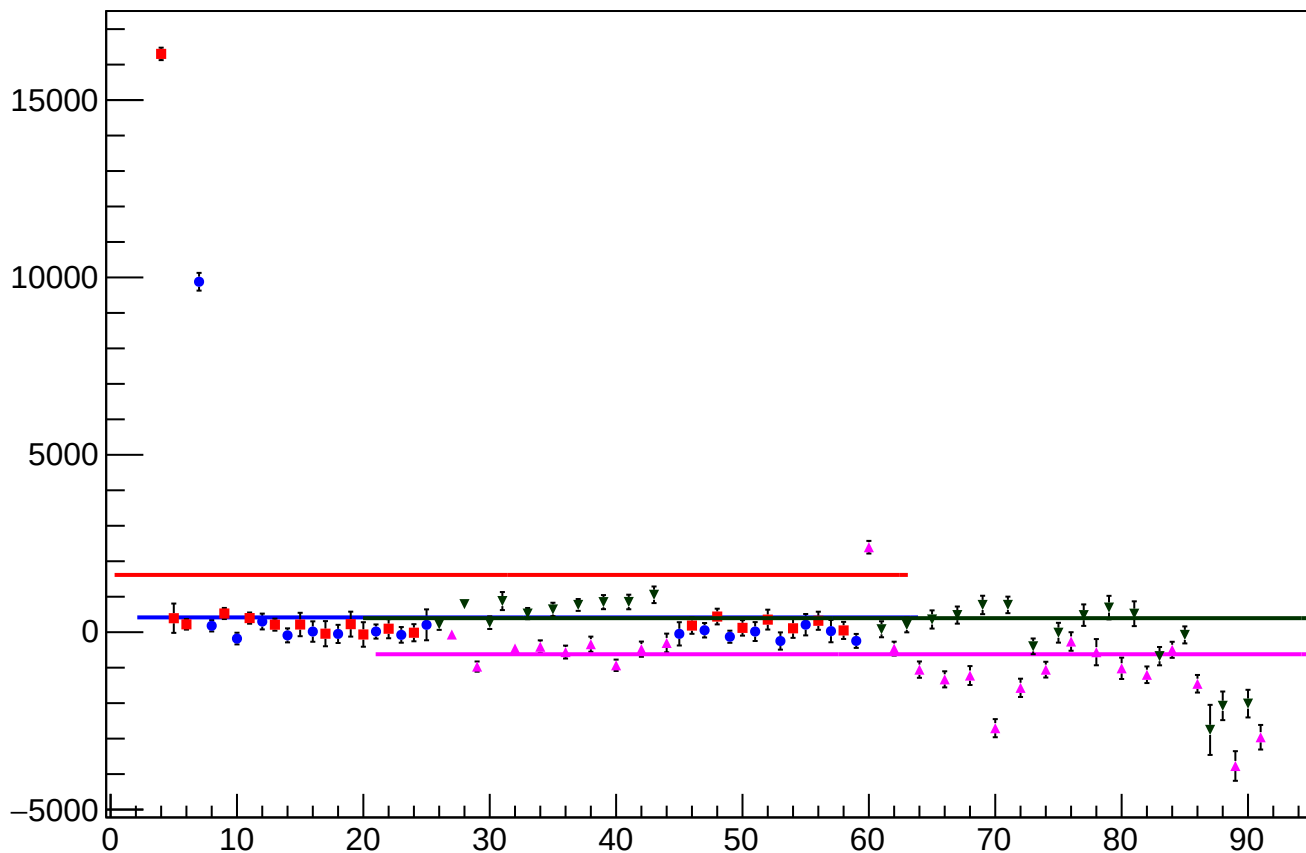
0.985+/-0.000 χ^2/NDF : 2033582.7/43

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

0.986+/-0.000 χ^2/NDF : 2071757.3/43

Left In: 0.919+/-0.000 χ^2/NDF : 440593.3/24

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

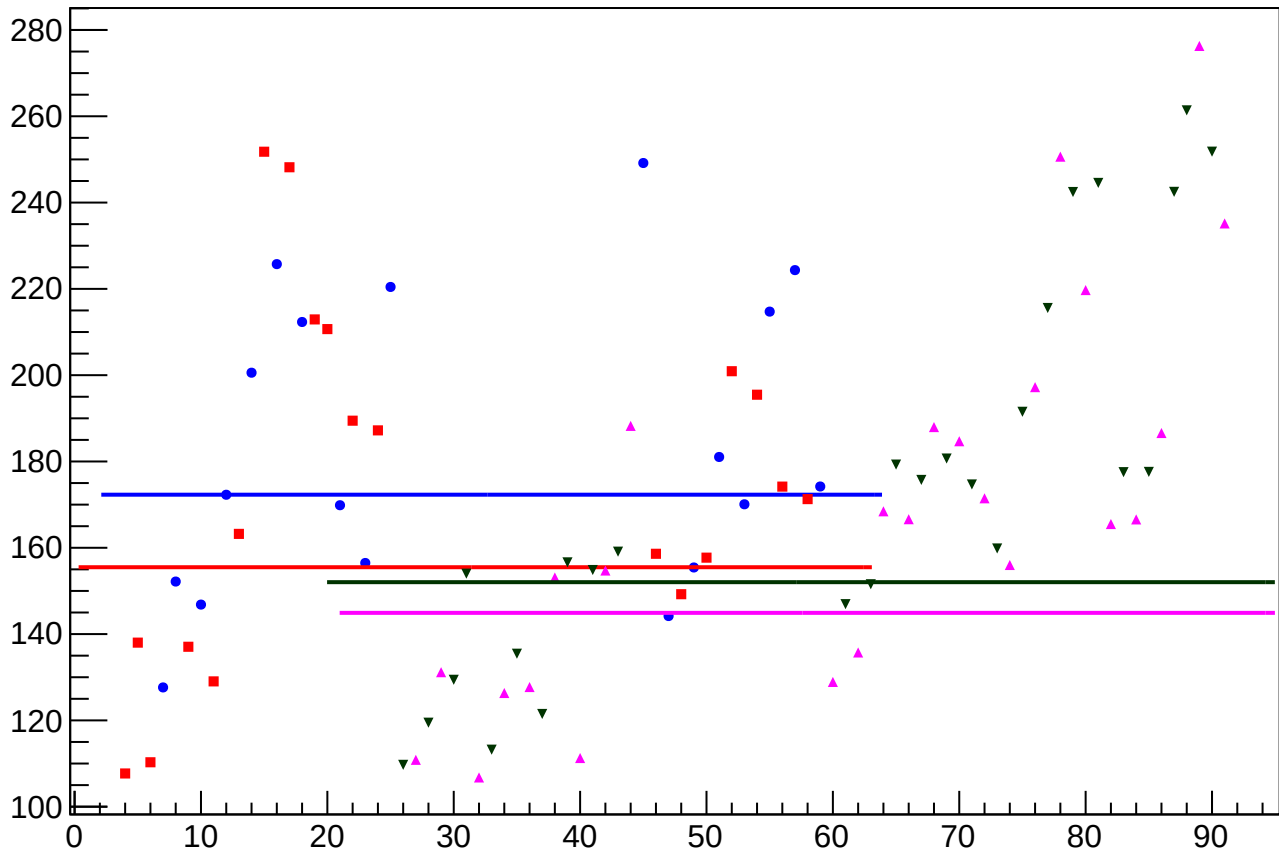
Right Out: 1614.499 ± 51.138 χ^2/NDF : 7665.3/18

Left In: -621.609 ± 40.369 χ^2/NDF : 551.8/24

404.289 ± 33.595 χ^2/NDF : 1686.7/43

236.883 ± 31.686 χ^2/NDF : 9395.0/43

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

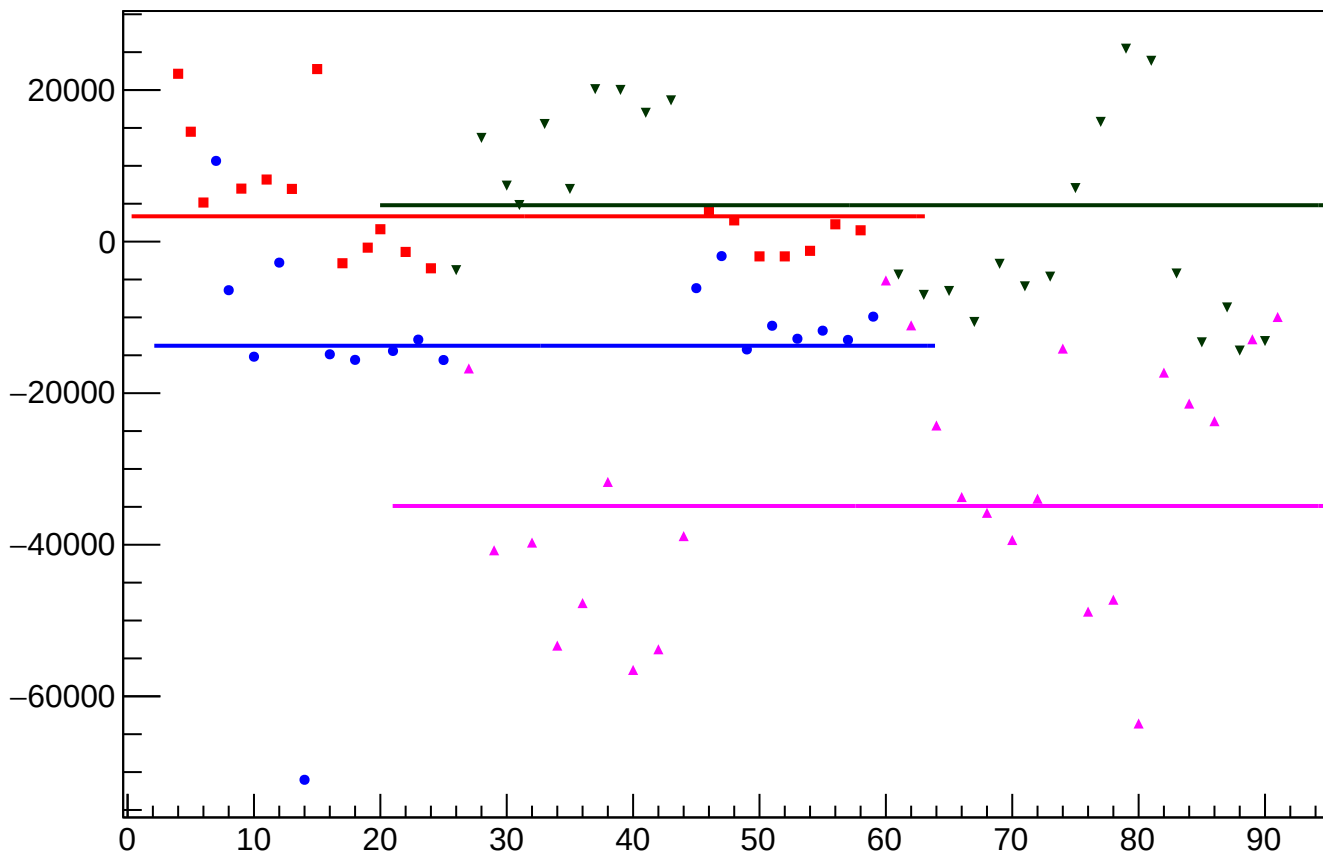
Right Out: 155.494+/-0.036 χ^2/NDF : 1018742.9/18

Left In: 144.920+/-0.029 χ^2/NDF :1566746.9/24

160.289+/-0.024 χ^2/NDF : 2124991.7/43

148.979+/-0.022 χ^2/NDF : 2638170.2/43

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

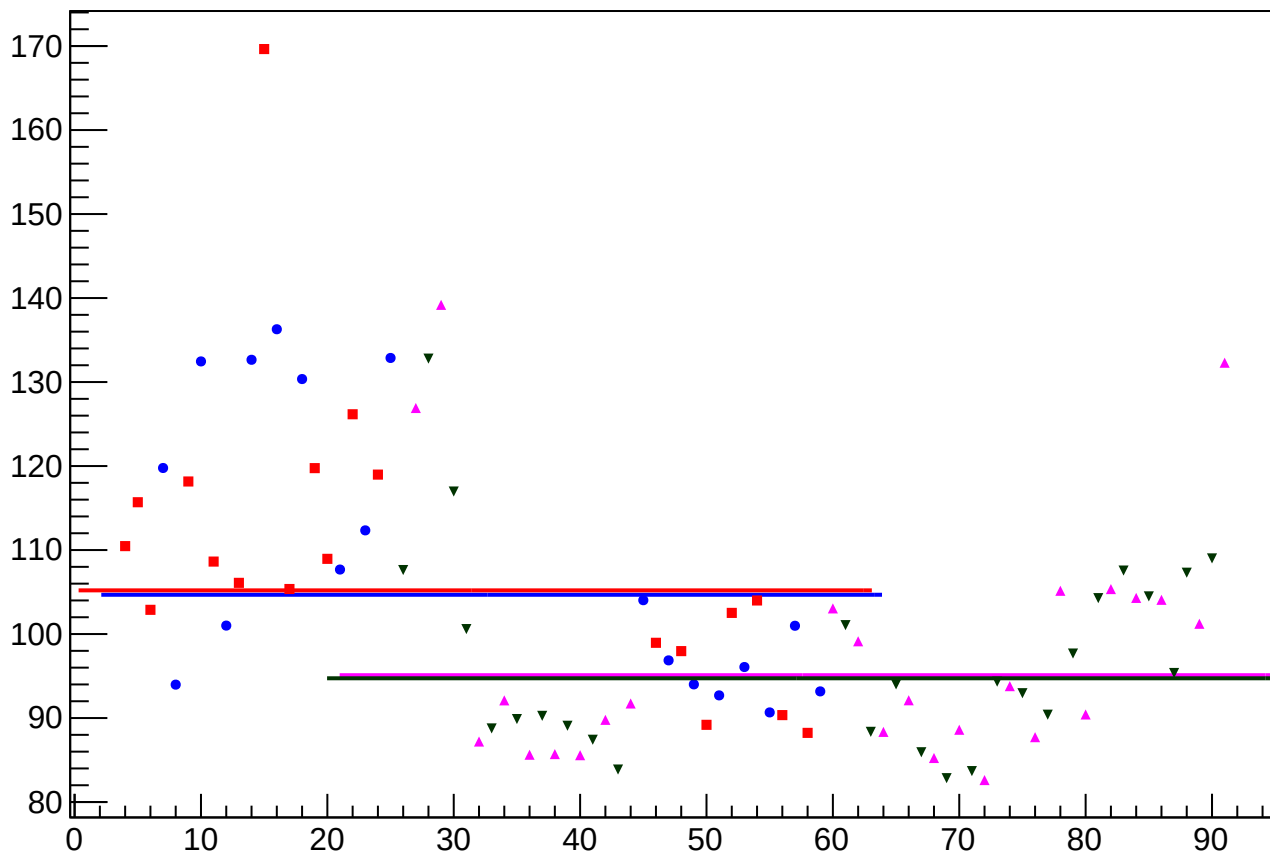
Right Out: 3338.926+/-34.258 χ^2/NDF : 31361.1/18

Left In: -34884.929+/-26.227 χ^2/NDF : 346819.1/24

-2873.598+/-20.622 χ^2/NDF : 635323.4/43

-20759.814+/-20.825 χ^2/NDF : 1163084.3/43

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

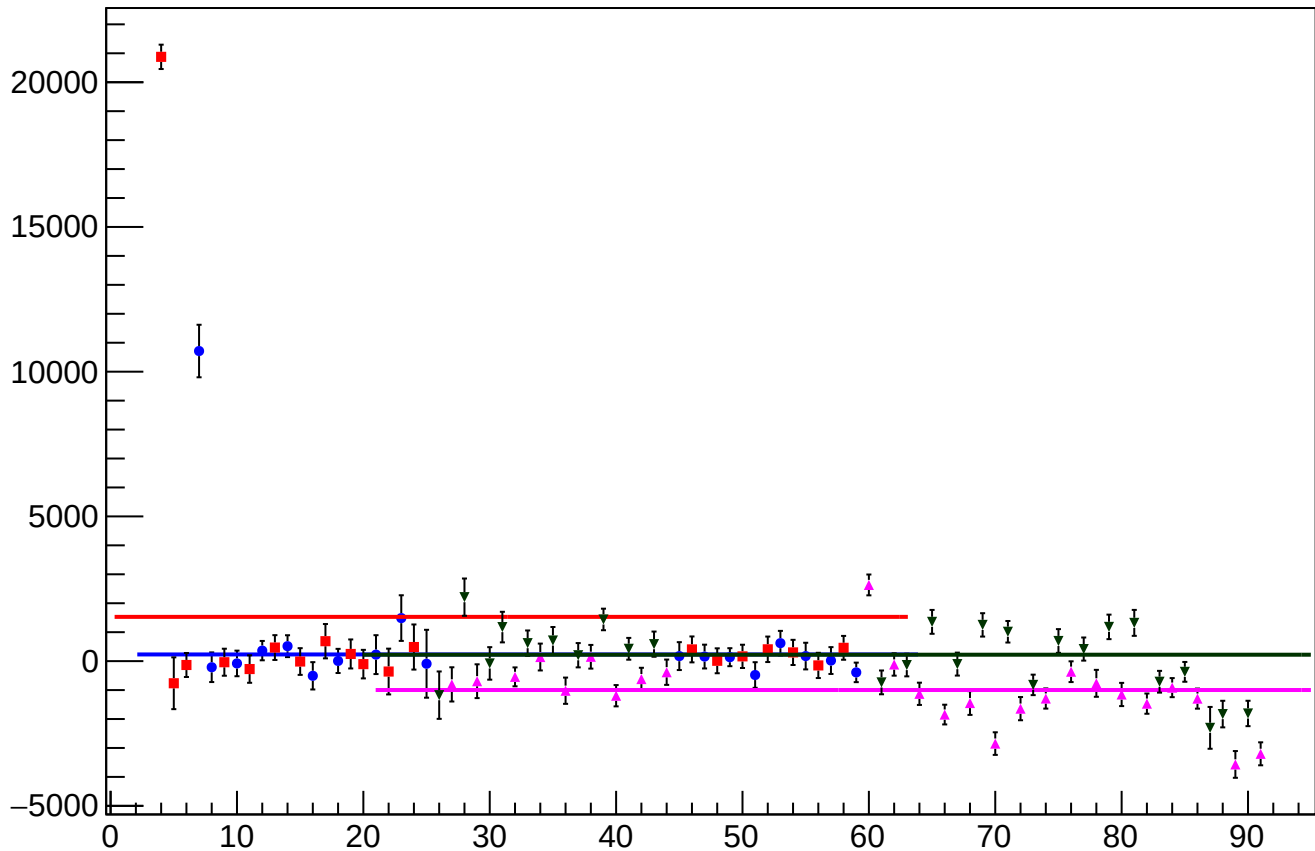
Right Out: 105.200 ± 0.024 χ^2/NDF : 336723.5/18

Left In: 95.101 ± 0.019 χ^2/NDF : 488847.9/24

98.849 ± 0.015 χ^2/NDF : 863894.0/43

98.833 ± 0.015 χ^2/NDF : 935170.5/43

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

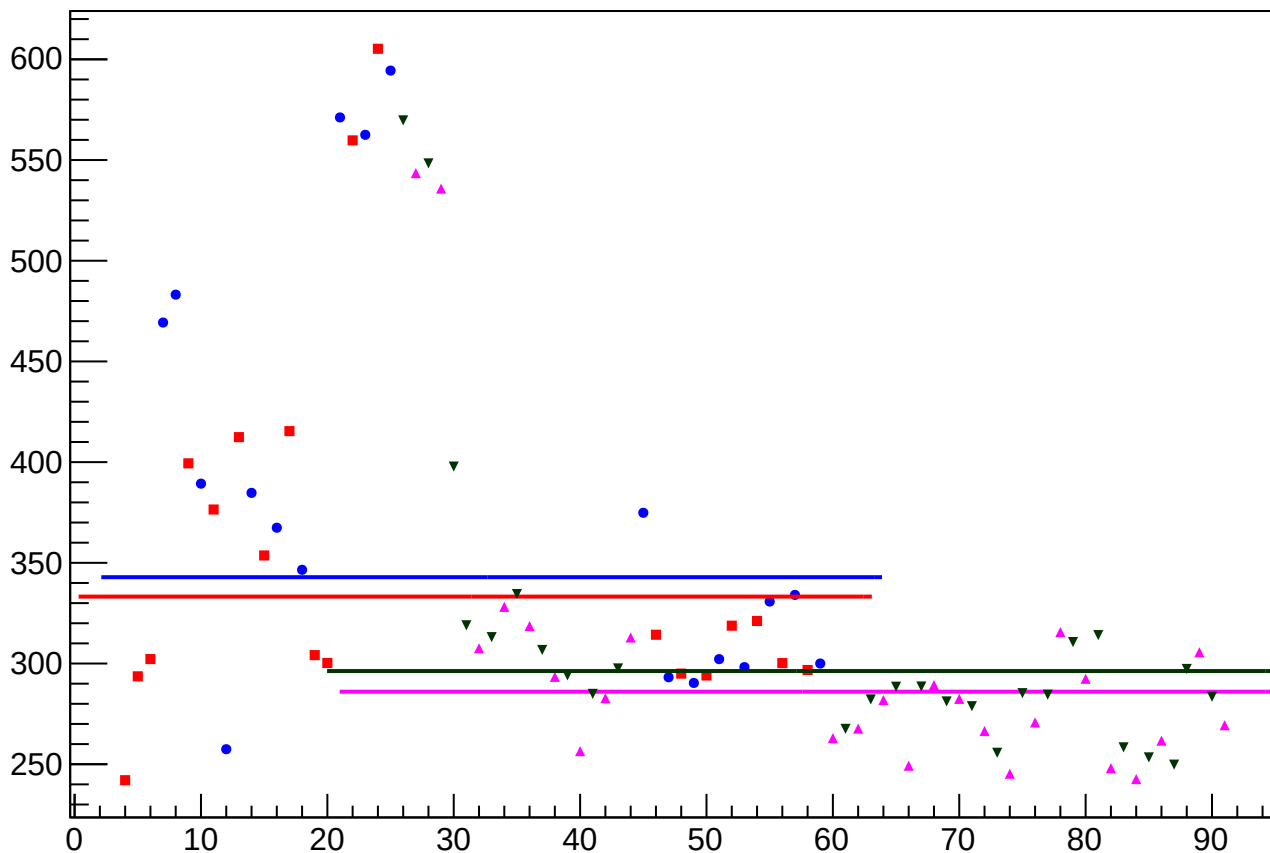
225.217+/-65.608 χ^2/NDF : 287.4/43

Right Out: 1529.045+/-108.949 χ^2/NDF : 2274.0/18

-133.103+/-63.734 χ^2/NDF : 2855.5/43

Left In: -997.842+/-78.583 χ^2/NDF :227.6/24

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

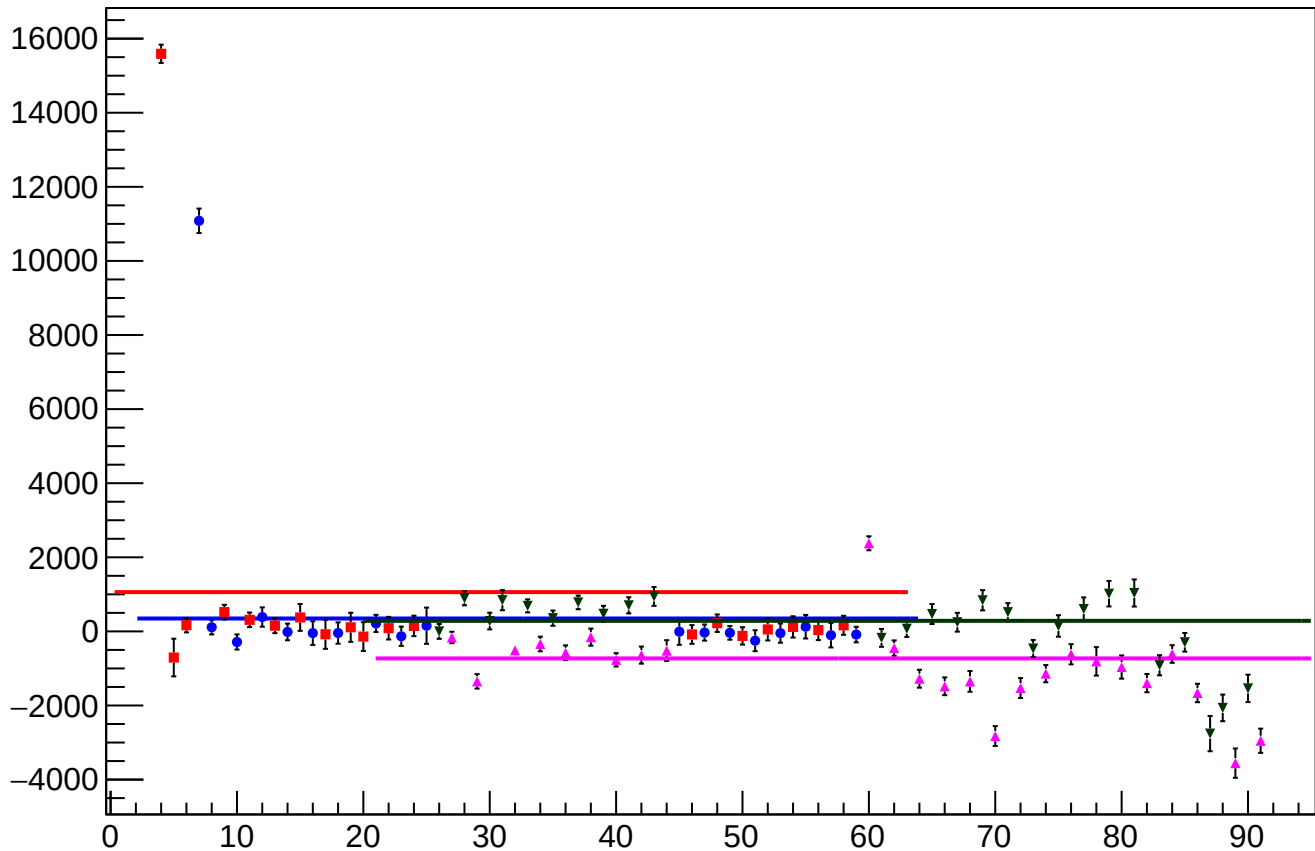
Right Out: 333.230 $\pm$ 0.077 χ^2 /NDF: 768934.3/18

Left In: 286.014 $\pm$ 0.056 χ^2 /NDF: 958429.6/24

314.377 $\pm$ 0.046 χ^2 /NDF: 1994350.5/43

302.172 $\pm$ 0.045 χ^2 /NDF: 1974447.5/43

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

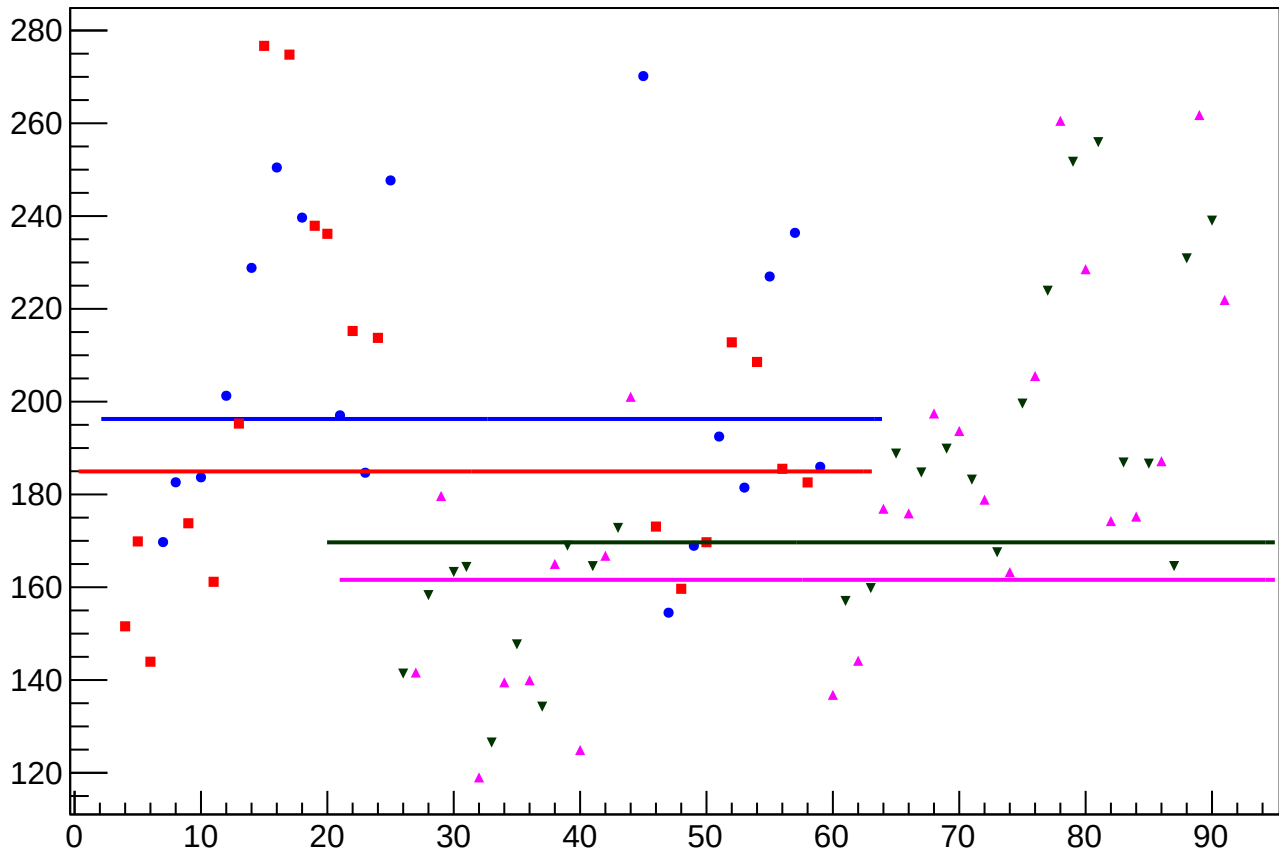
309.916 ± 37.463 χ^2/NDF : 1307.6/43

Right Out: 1059.962 ± 60.034 χ^2/NDF : 3708.7/18

-93.638 ± 35.782 χ^2/NDF : 4804.5/43

Left In: -729.265 ± 44.563 χ^2/NDF : 523.1/24

asym_bpm0l01WS_rms vs slug



Right In: 196.269 ± 0.042 $\chi^2/\text{NDF}: 466122.9/17$

Left Out: 169.673 ± 0.034 $\chi^2/\text{NDF}: 761240.4/25$

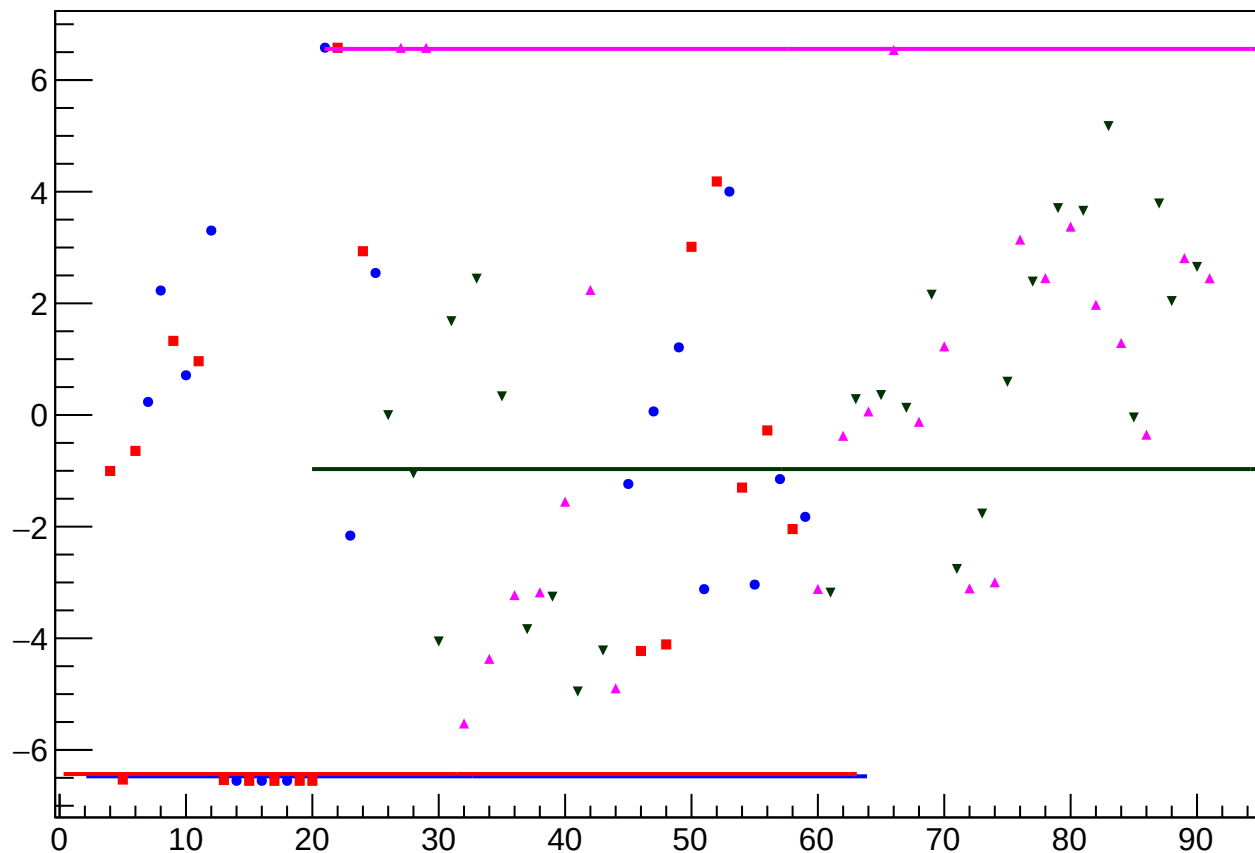
Right Out: 184.956 ± 0.042 $\chi^2/\text{NDF}: 580645.4/18$

Left In: 161.596 ± 0.032 $\chi^2/\text{NDF}: 1087876.2/24$

180.165 ± 0.026 $\chi^2/\text{NDF}: 1468142.8/43$

169.895 ± 0.025 $\chi^2/\text{NDF}: 1863759.8/43$

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

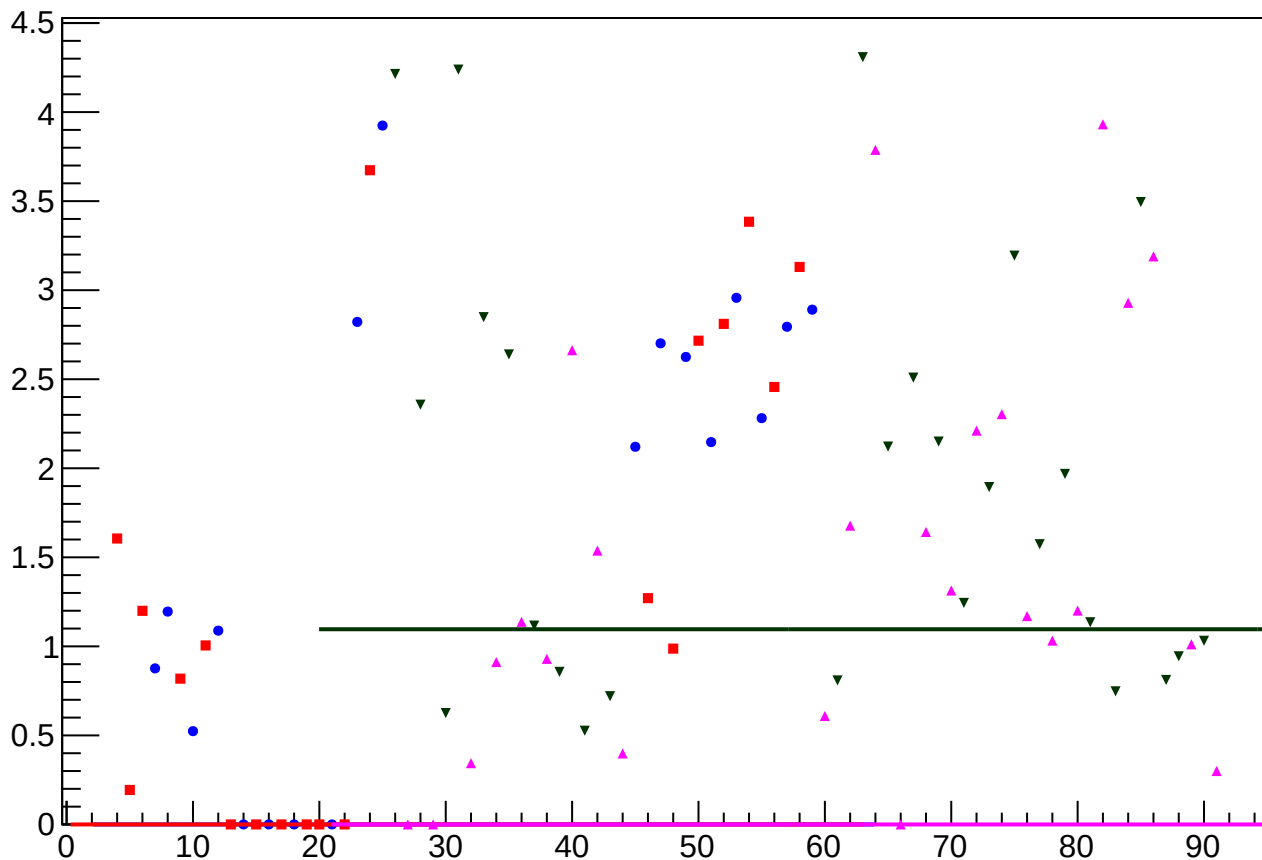
Right Out: -6.432+/-0.000 χ^2/NDF : 150837619676093.8/18

Left In: 6.558+/-0.000 χ^2/NDF : 1668057283.5/24

-6.473+/-0.000 χ^2/NDF : 127848185848859.4/4

-6.196+/-0.000 χ^2/NDF : 446403107781206.4/4

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

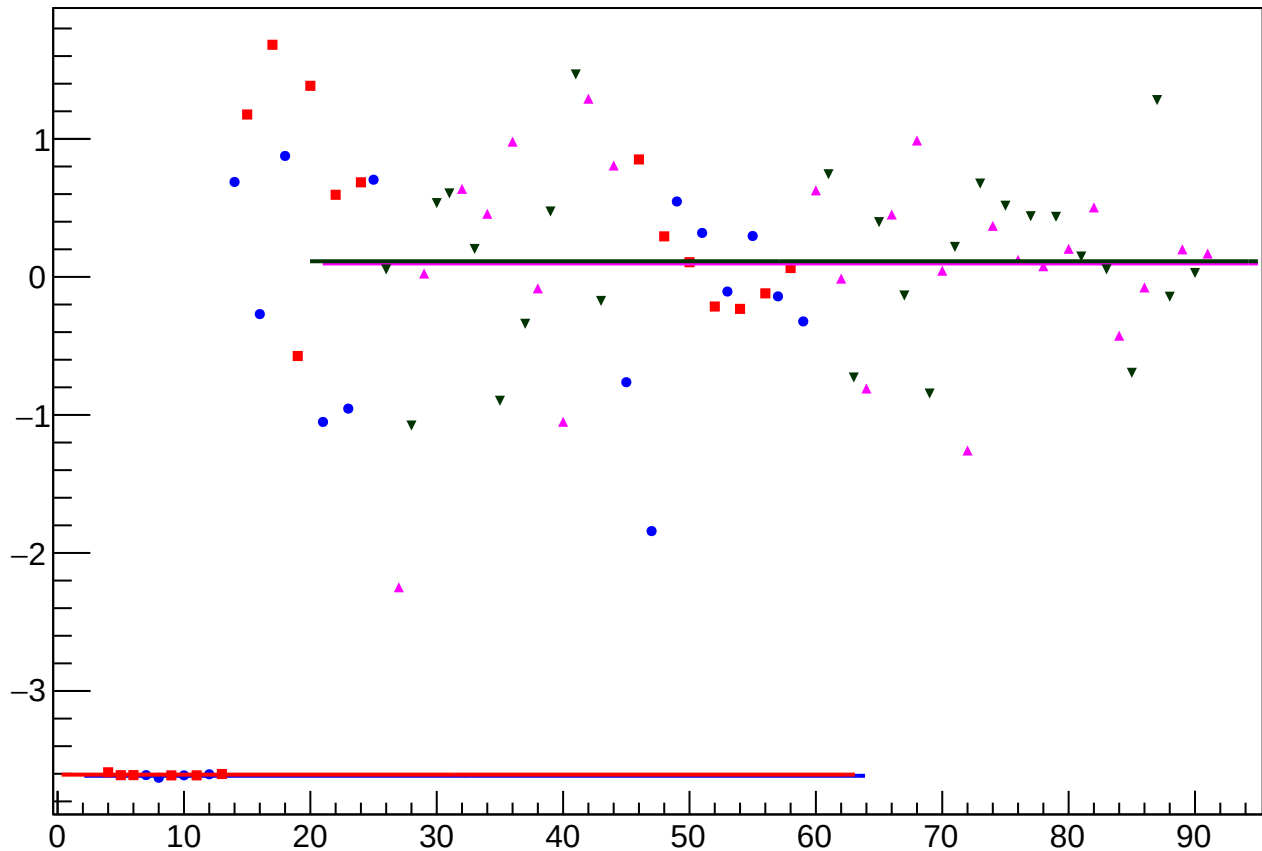
Right Out: 0.000+/-0.000 χ^2/NDF : 9626570.5/18

Left In: 0.000+/-0.000 χ^2/NDF : 16527259.3/24

0.000+/-0.000 χ^2/NDF : 30580898.3/43

0.000+/-0.000 χ^2/NDF : 26153956.7/43

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

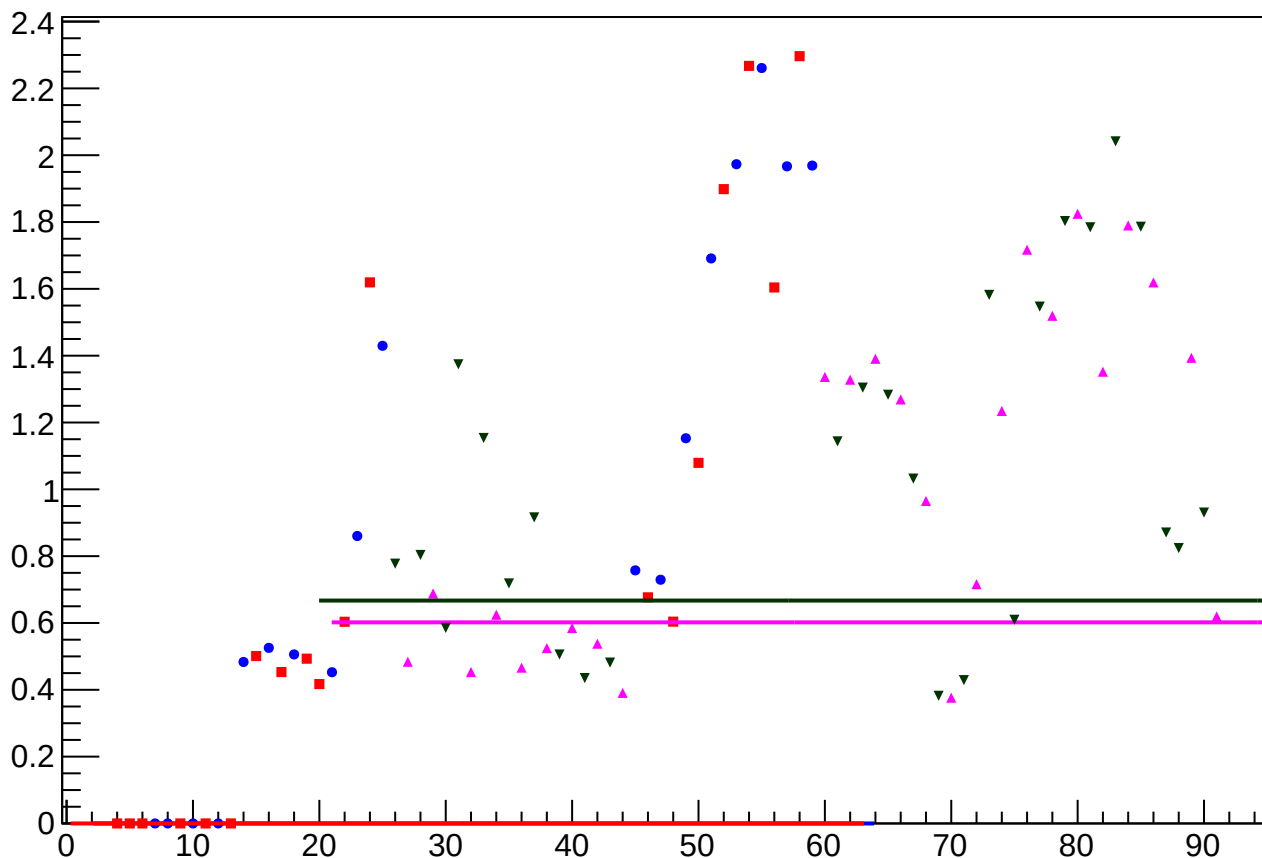
-3.614+/-0.000 χ^2/NDF : 49357957271.0/43

Right Out: -3.606+/-0.000 χ^2/NDF : 37792758949.6/18

-3.606+/-0.000 χ^2/NDF : 38145840493.4/43

Left In: 0.097+/-0.000 χ^2/NDF : 21967442.7/24

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

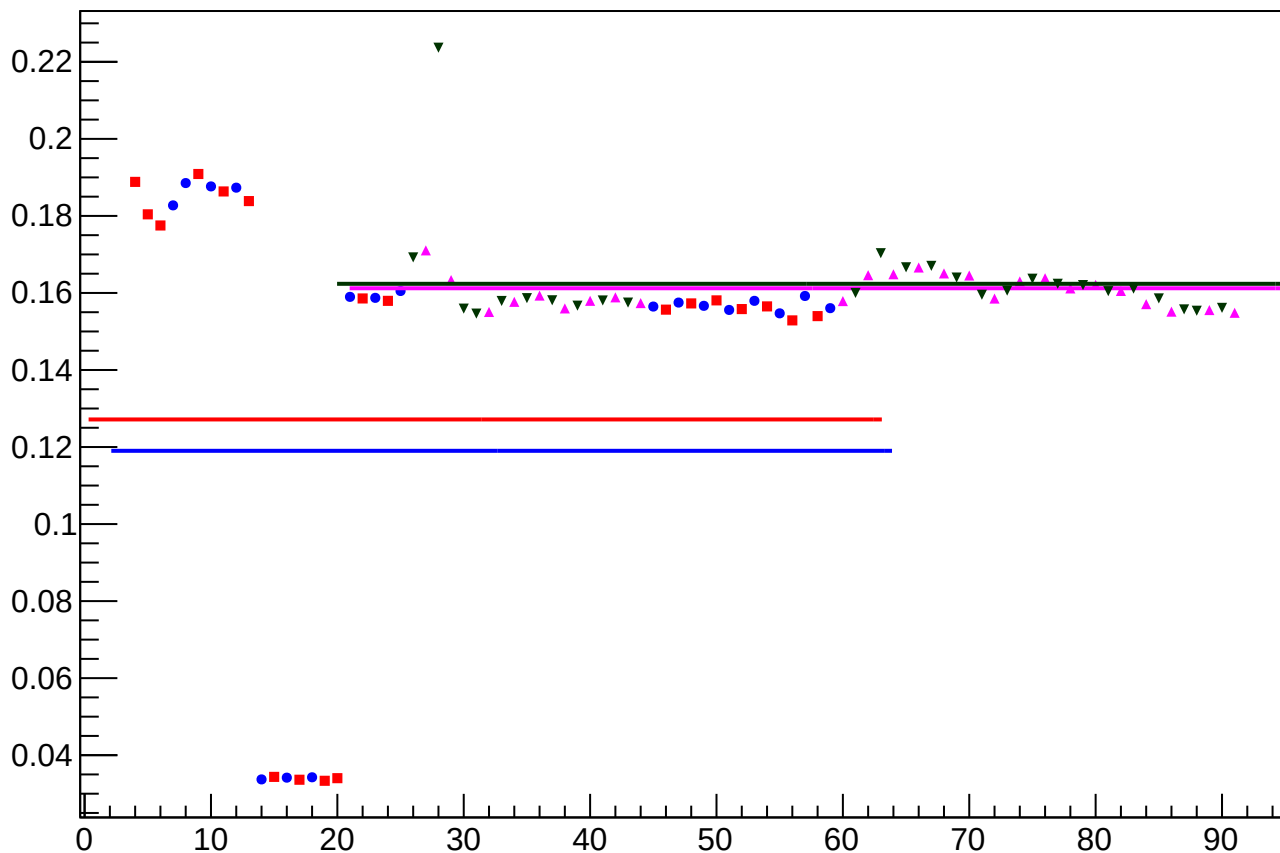
Right Out: 0.000+/-0.000 χ^2/NDF : 10531530.4/18

Left In: 0.602+/-0.000 χ^2/NDF :5118114.1/24

0.000+/-0.000 χ^2/NDF : 35040081.7/43

0.000+/-0.000 χ^2/NDF : 33138287.0/43

yield_cav4cX_mean vs slug



Right In: 0.119 $\pm$ 0.000 χ^2/NDF : 4974475463.8/17

Left Out: 0.162 $\pm$ 0.000 χ^2/NDF :104616827.6/25

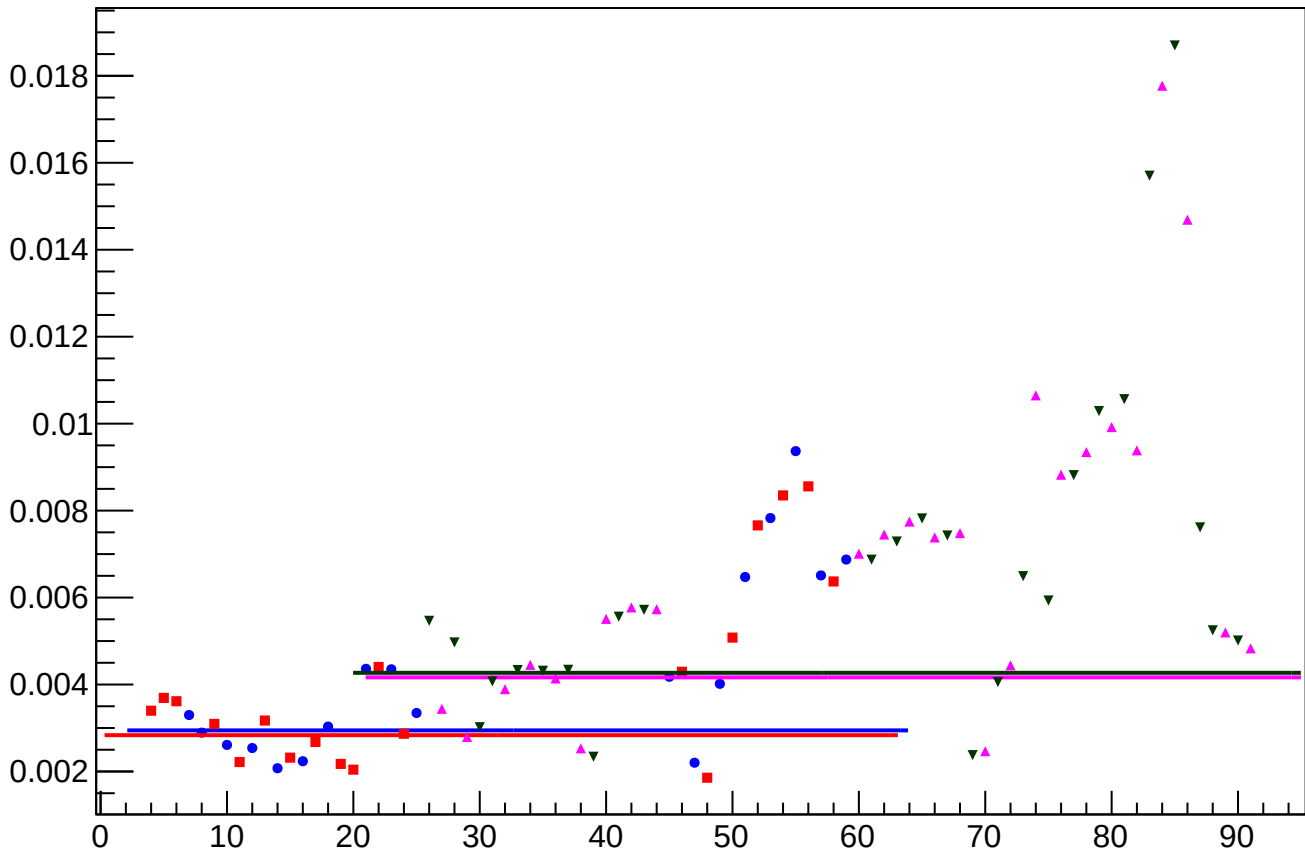
Right Out: 0.127 $\pm$ 0.000 χ^2/NDF : 4426693928.8/18

Left In: 0.161 $\pm$ 0.000 χ^2/NDF :14918058.6/24

0.134 $\pm$ 0.000 χ^2/NDF : 5757009322.9/43

0.140 $\pm$ 0.000 χ^2/NDF : 4877012646.5/43

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

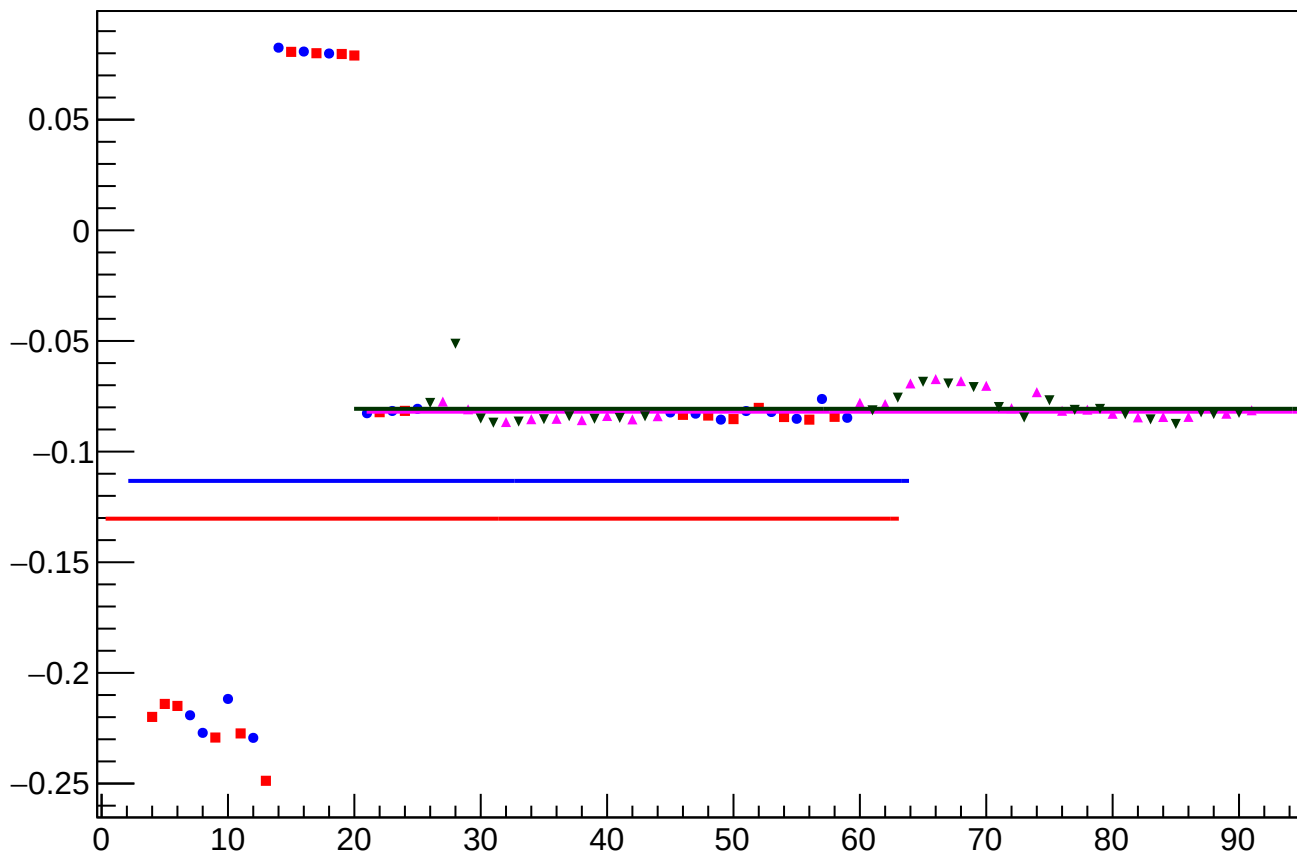
Right Out: 0.003+/-0.000 χ^2/NDF : 2697291.9/18

Left In: 0.004+/-0.000 χ^2/NDF :5205001.2/24

0.003+/-0.000 χ^2/NDF : 8906576.0/43

0.003+/-0.000 χ^2/NDF : 9229370.5/43

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

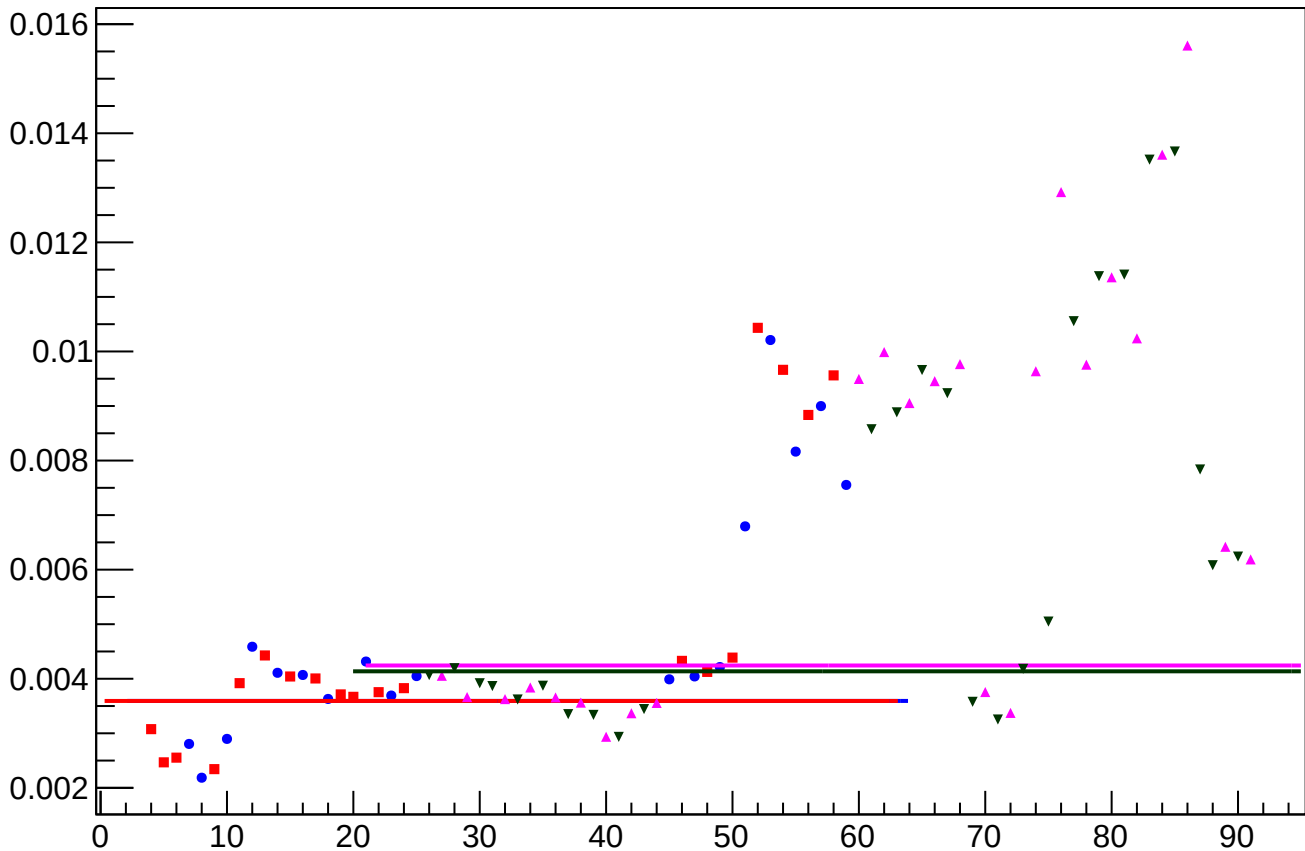
Right Out: -0.130+/-0.000 χ^2/NDF : 8867144829.5/18

Left In: -0.082+/-0.000 χ^2/NDF : 13424937.4/24

-0.099+/-0.000 χ^2/NDF : 10081393579.6/43

-0.107+/-0.000 χ^2/NDF : 9581464613.3/43

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

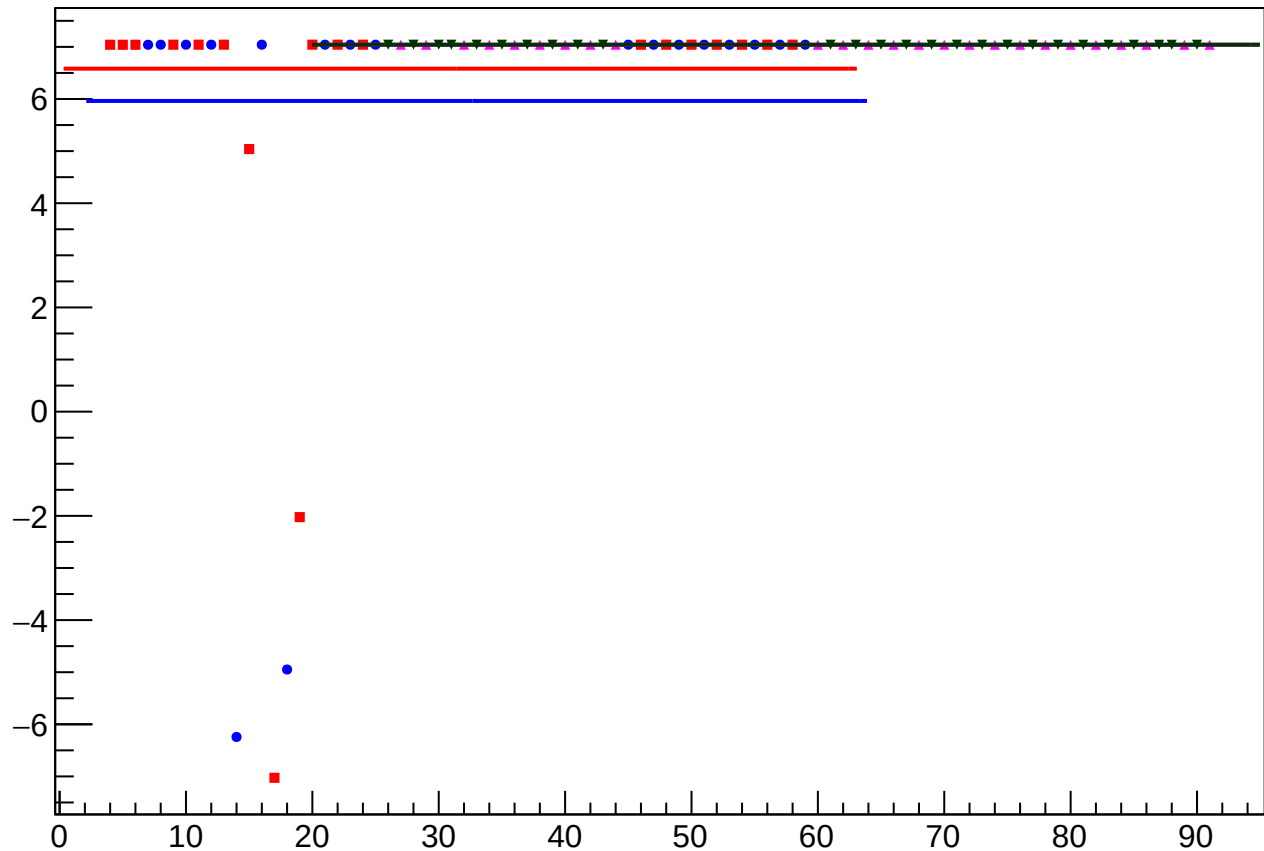
Right Out: 0.004+/-0.000 χ^2/NDF : 2225355.5/18

Left In: 0.004+/-0.000 χ^2/NDF :4626074.9/24

0.004+/-0.000 χ^2/NDF : 6587498.7/43

0.004+/-0.000 χ^2/NDF : 7104823.6/43

yield_cav4dX_mean vs slug



Right In: 5.962 $\pm$ 0.000 χ^2/NDF : 4616105002600912.0/17

Left Out: 7.042 $\pm$ 0.000 χ^2/NDF : 53803692.0/25

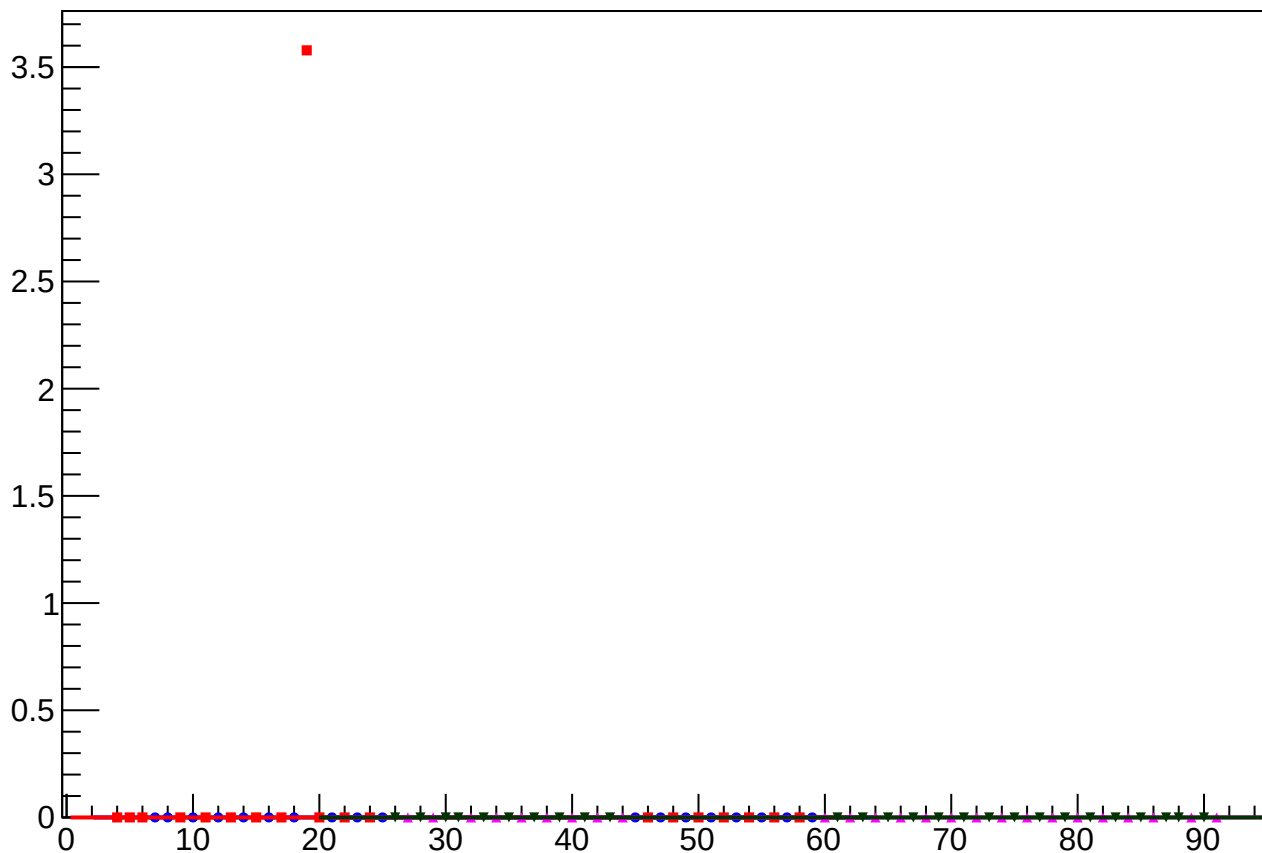
Right Out: 6.582 $\pm$ 0.000 χ^2/NDF : 1856853993700647.2/18

Left In: 7.042 $\pm$ 0.000 χ^2/NDF : 49982646.0/24

6.564 $\pm$ 0.000 χ^2/NDF : 4847963859030001.0/4

6.858 $\pm$ 0.000 χ^2/NDF : 1895709870750602.2/4

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

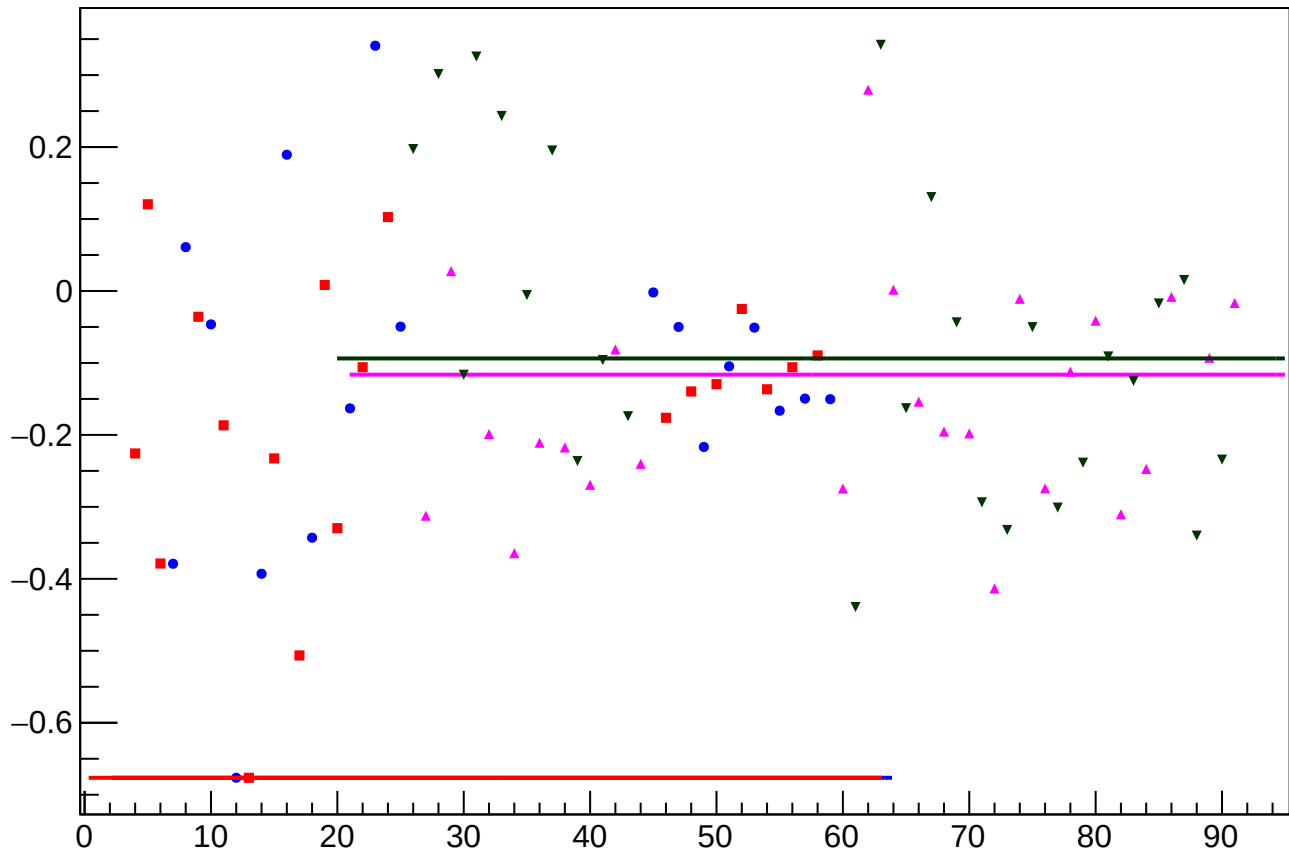
Right Out: 0.000+/-0.000 χ^2/NDF : 697661.6/18

Left In: 0.000+/-0.000 χ^2/NDF : 7278.0/24

0.000+/-0.000 χ^2/NDF : 16041.7/43

0.000+/-0.000 χ^2/NDF : 709504.2/43

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

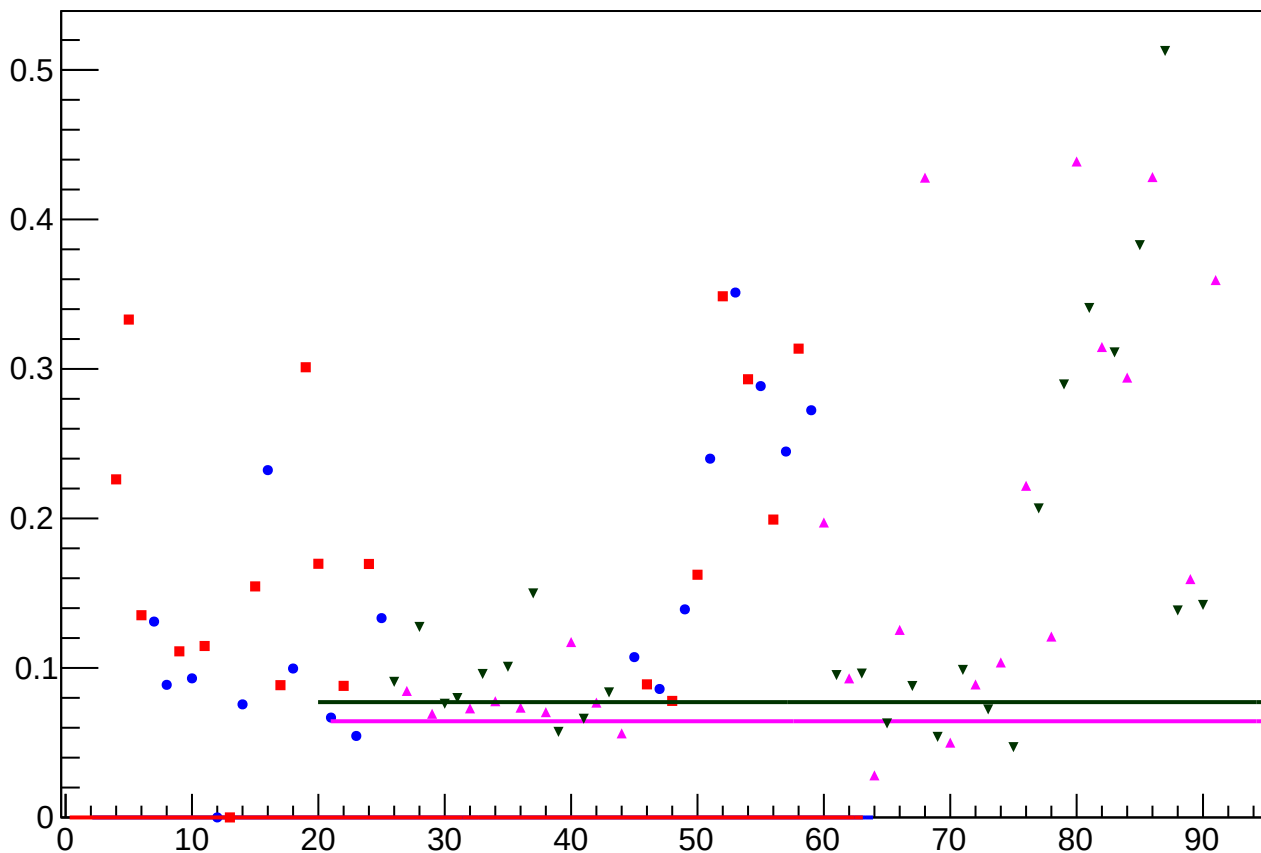
Right Out: -0.676+/-0.000 χ^2/NDF : 102004552.0/18

Left In: -0.116+/-0.000 χ^2/NDF : 29888048.2/24

-0.676+/-0.000 χ^2/NDF : 695270414.8/43

-0.676+/-0.000 χ^2/NDF : 628848719.4/43

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

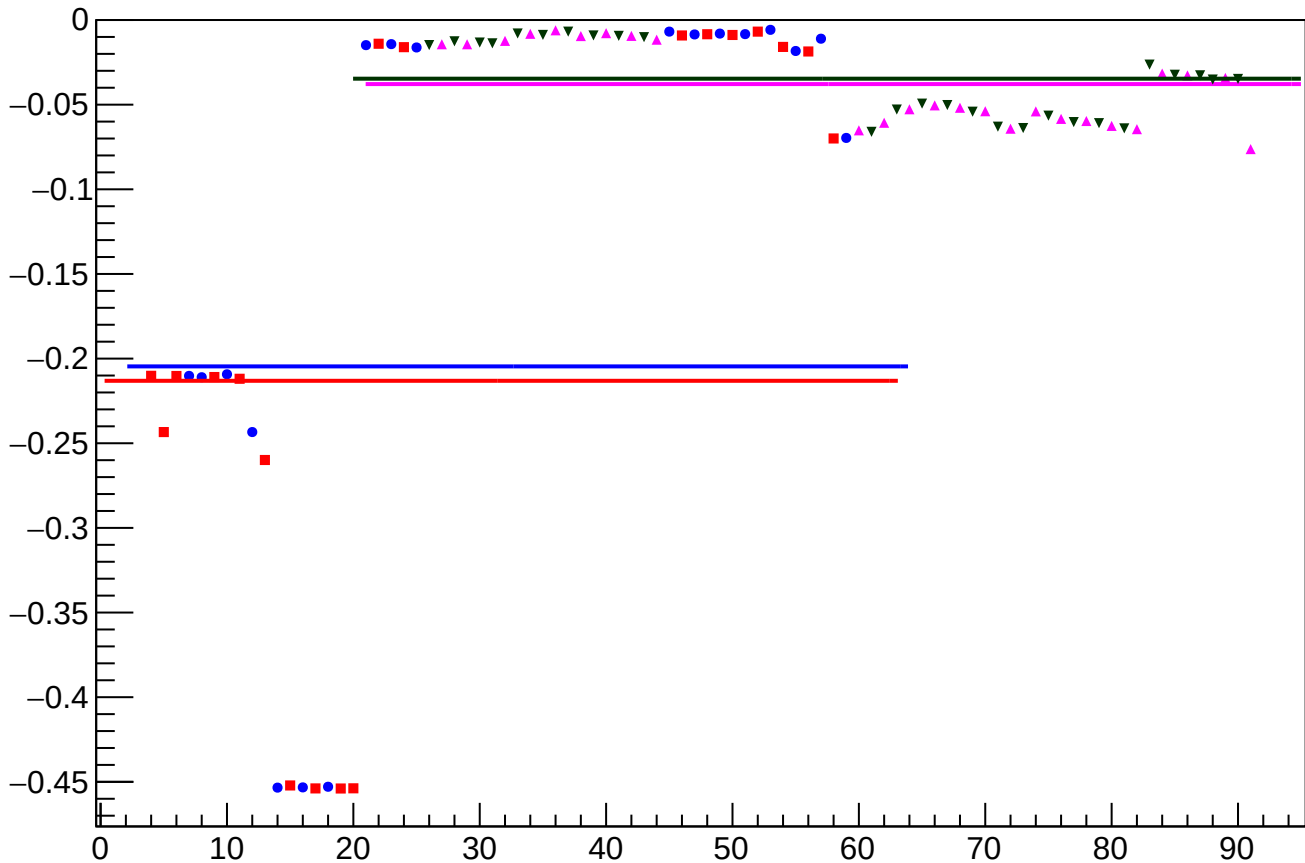
Right Out: 0.000+/-0.000 χ^2/NDF : 13760955.7/18

Left In: 0.064+/-0.000 χ^2/NDF : 7121582.3/24

0.000+/-0.000 χ^2/NDF : 33904801.0/43

0.000+/-0.000 χ^2/NDF : 33987120.0/43

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

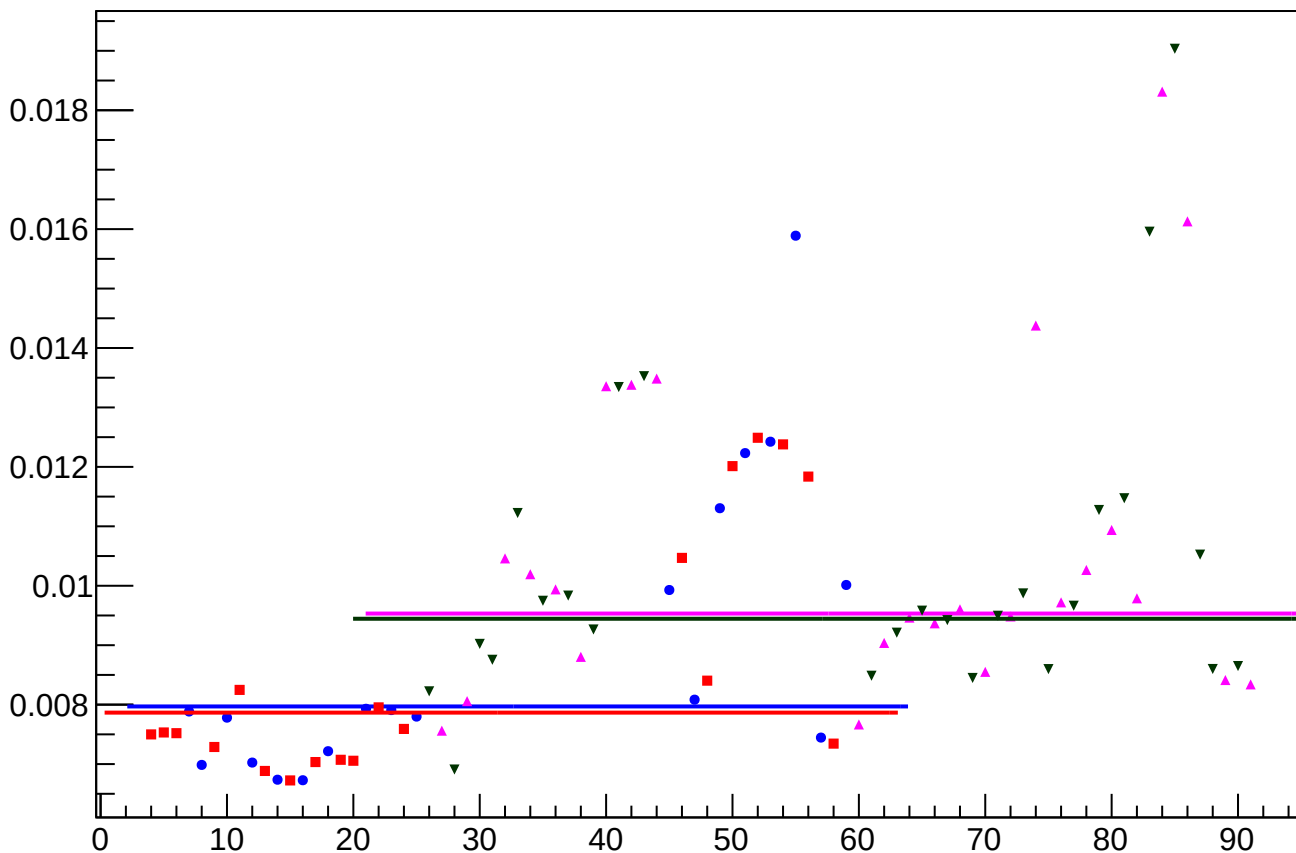
-0.128+/-0.000 χ^2/NDF : 7781400336.0/43

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

-0.129+/-0.000 χ^2/NDF : 6492619136.6/43

Left In: -0.038+/-0.000 χ^2/NDF : 81049006.7/24

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

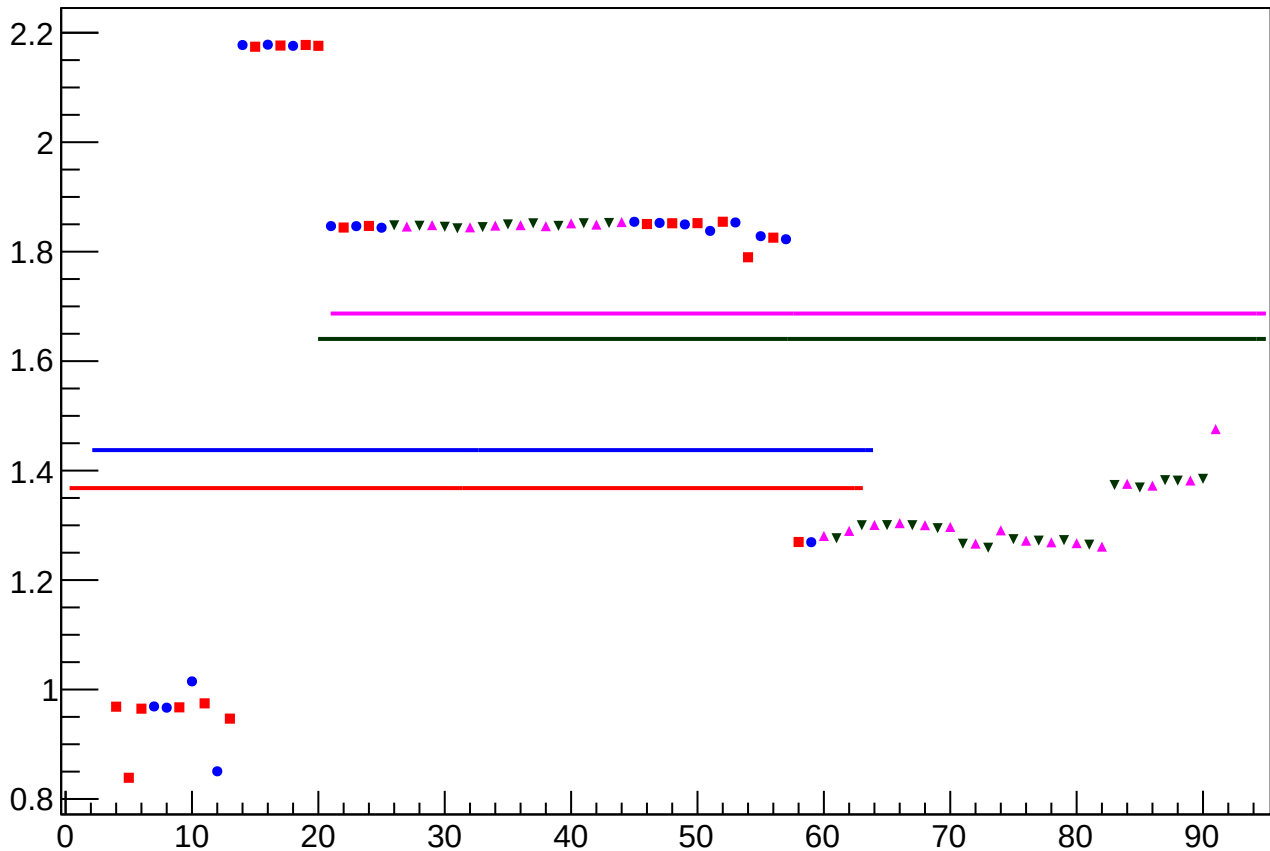
Right Out: 0.008+/-0.000 χ^2/NDF : 696189.4/18

Left In: 0.010+/-0.000 χ^2/NDF : 1107352.8/24

0.009+/-0.000 χ^2/NDF : 2225884.4/43

0.009+/-0.000 χ^2/NDF : 2213913.4/43

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

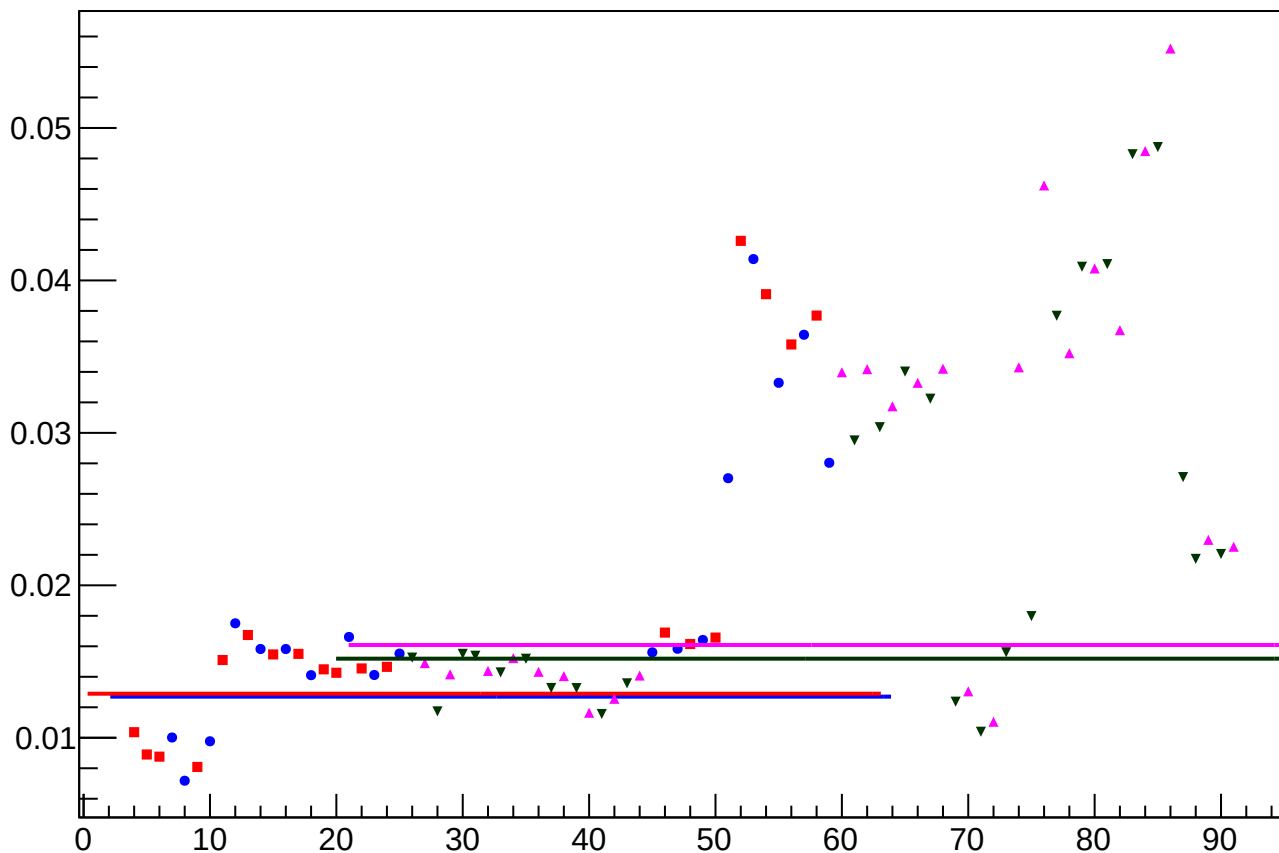
1.528+/-0.000 χ^2/NDF : 18490524732.5/43

Right Out: 1.368+/-0.000 χ^2/NDF : 12592500418.8/18

1.513+/-0.000 χ^2/NDF : 17354700213.5/43

Left In: 1.687+/-0.000 χ^2/NDF : 2527330330.8/24

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

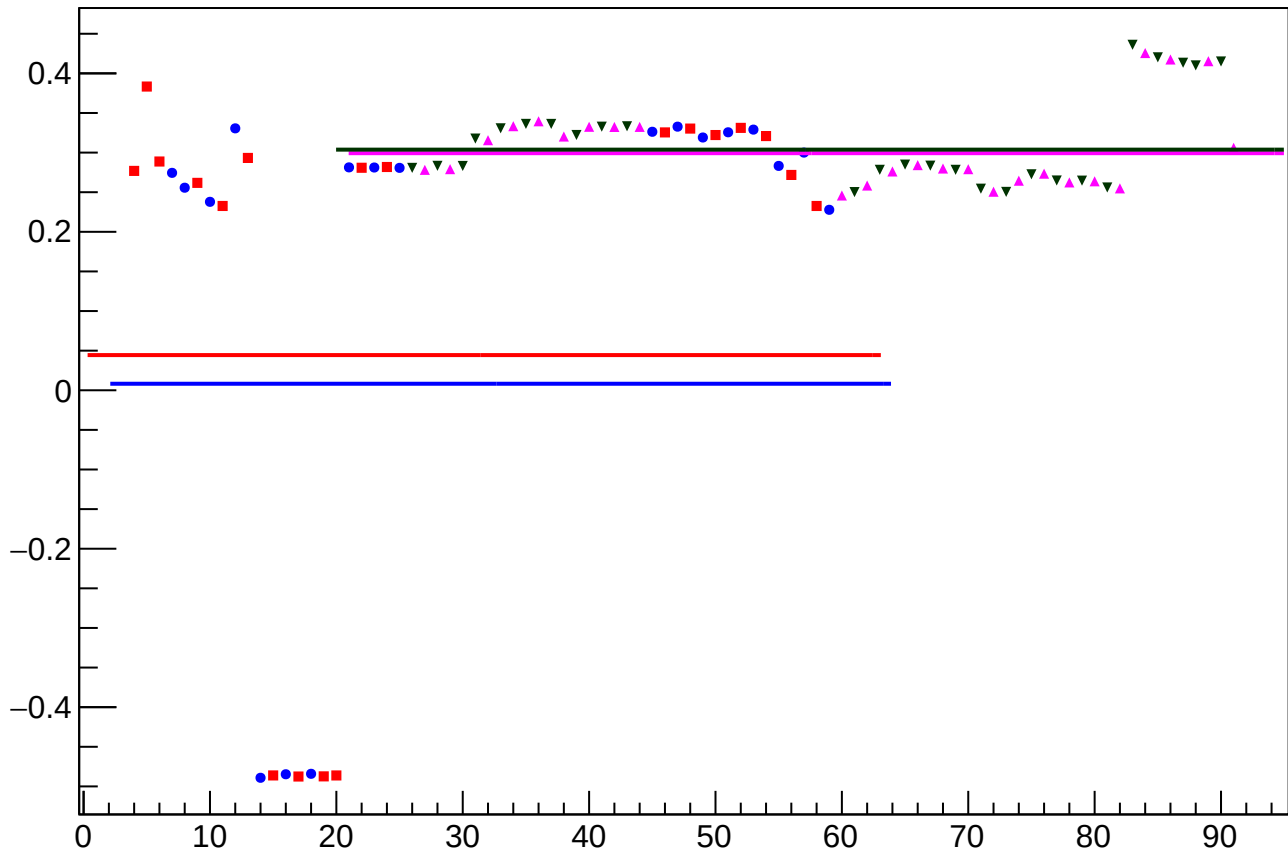
Right Out: 0.013+/-0.000 χ^2/NDF : 2814614.5/18

Left In: 0.016+/-0.000 χ^2/NDF : 4301999.5/24

0.014+/-0.000 χ^2/NDF : 7489292.9/43

0.014+/-0.000 χ^2/NDF : 7564935.4/43

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

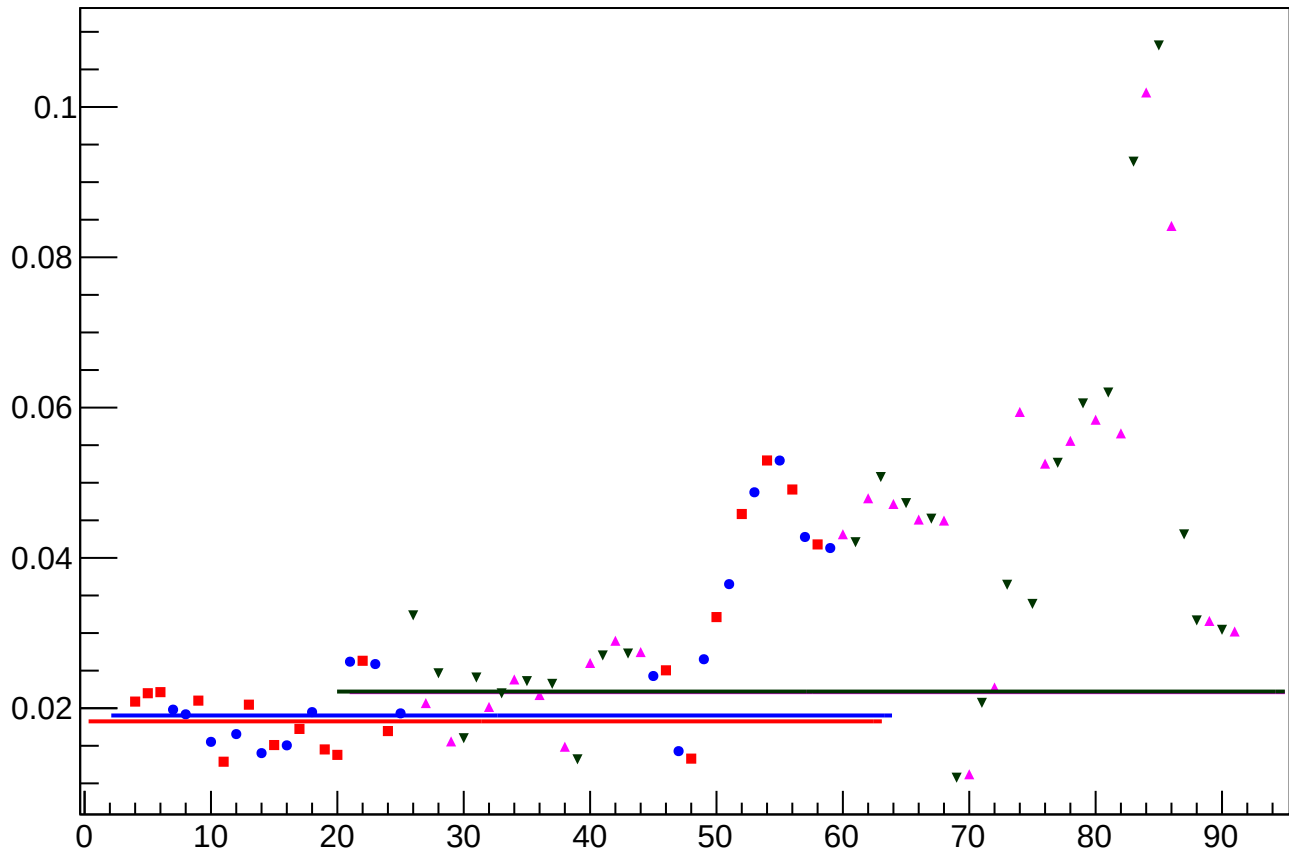
0.135 $\pm$ 0.000 χ^2 /NDF: 4580109919.0/43

Right Out: 0.044 $\pm$ 0.000 χ^2 /NDF: 3156873410.8/18

0.159 $\pm$ 0.000 χ^2 /NDF: 3905394467.3/43

Left In: 0.299 $\pm$ 0.000 χ^2 /NDF: 21728103.1/24

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

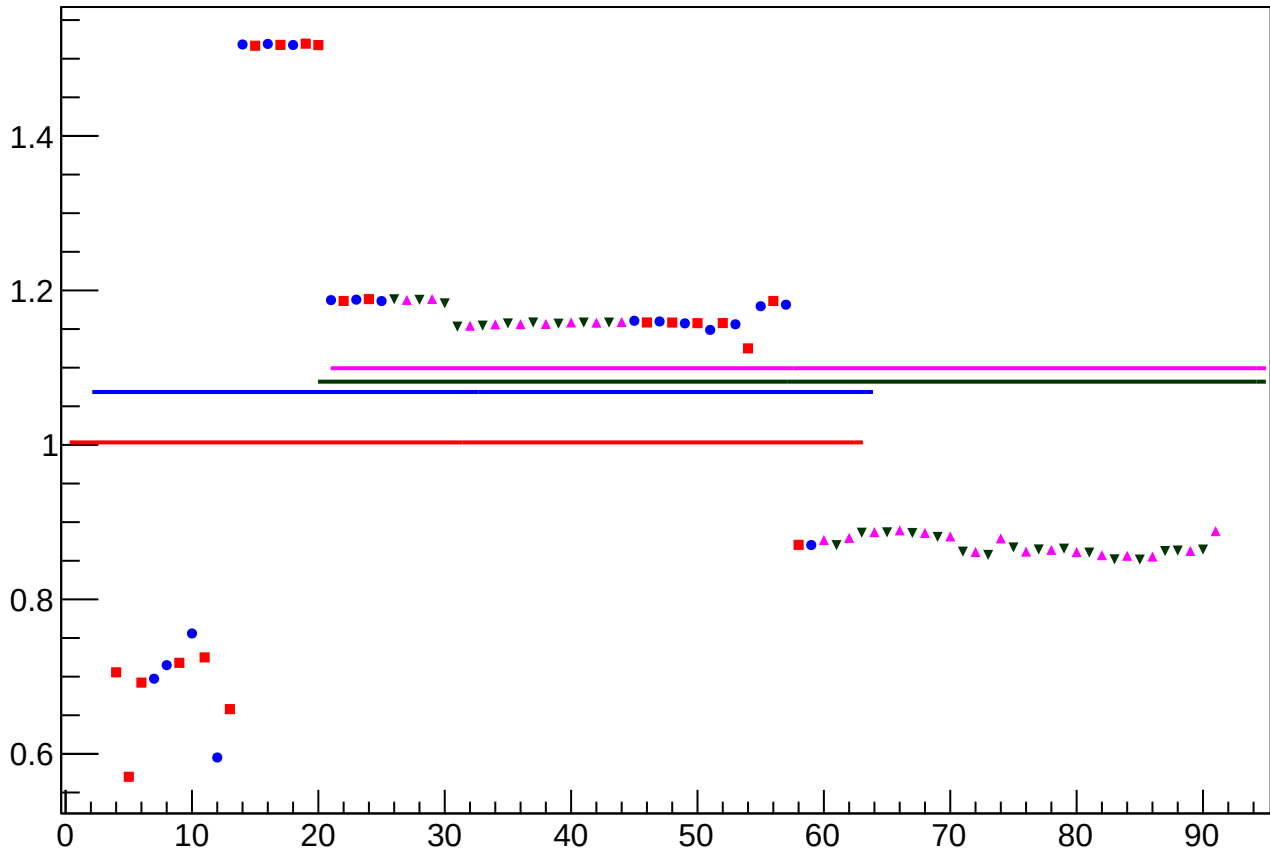
Right Out: 0.018+/-0.000 χ^2/NDF : 2485378.5/18

Left In: 0.022+/-0.000 χ^2/NDF : 5966202.8/24

0.020+/-0.000 χ^2/NDF : 8412021.9/43

0.020+/-0.000 χ^2/NDF : 8789139.9/43

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

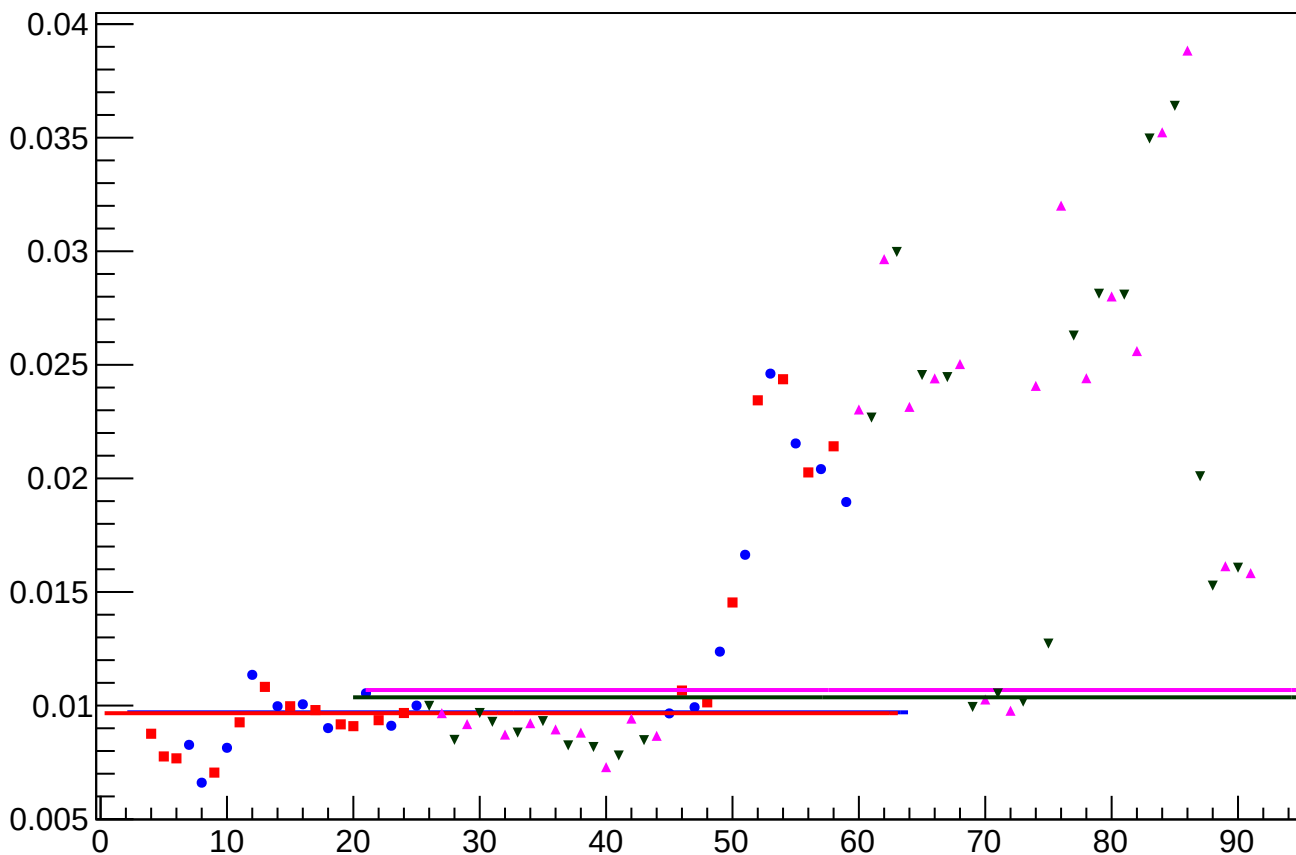
Right Out: 1.003+/-0.000 χ^2/NDF : 10291656361.5/18

Left In: 1.099+/-0.000 χ^2/NDF : 1343365470.2/24

1.075+/-0.000 χ^2/NDF : 12251227895.5/43

1.051+/-0.000 χ^2/NDF : 12051668551.2/43

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

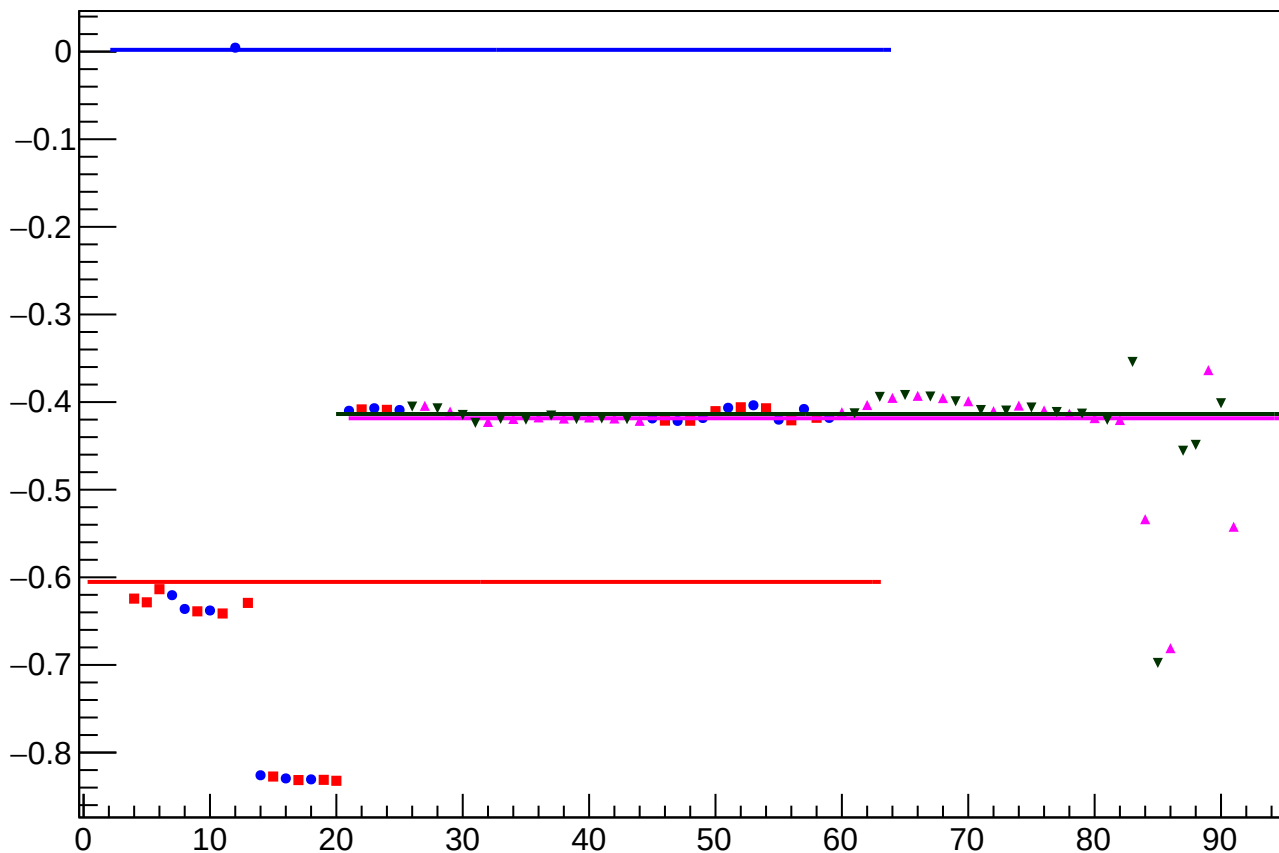
Right Out: 0.010+/-0.000 χ^2/NDF : 1597012.3/18

Left In: 0.011+/-0.000 χ^2/NDF :4699684.6/24

0.010+/-0.000 χ^2/NDF : 5882179.0/43

0.010+/-0.000 χ^2/NDF : 6390970.4/43

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

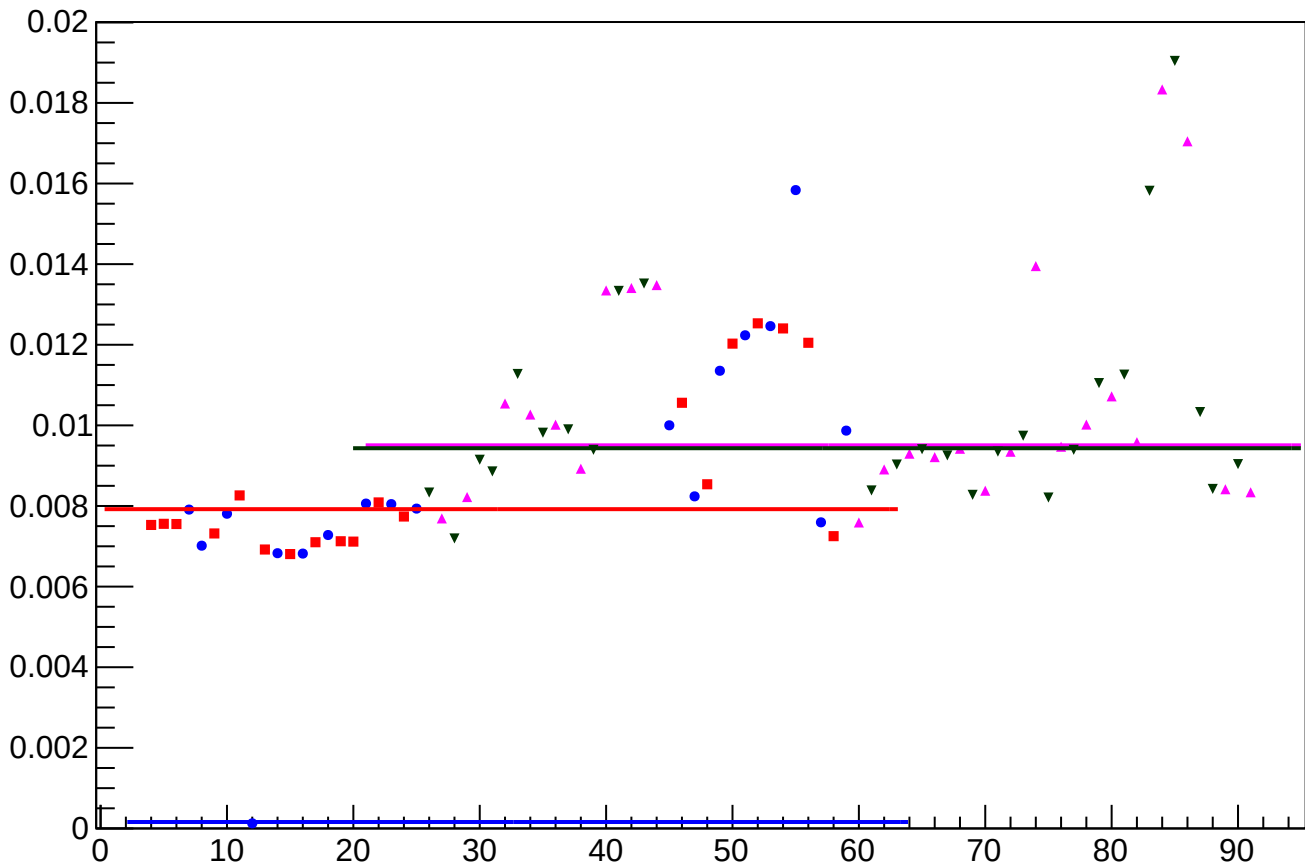
Right Out: -0.605 $\pm$ 0.000 χ^2 /NDF: 3819629229.5/18

Left In: -0.418 $\pm$ 0.000 χ^2 /NDF: 283066208.5/24

0.000 $\pm$ 0.000 χ^2 /NDF: 83497946858.0/43

-0.515 $\pm$ 0.000 χ^2 /NDF: 6667924926.4/43

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

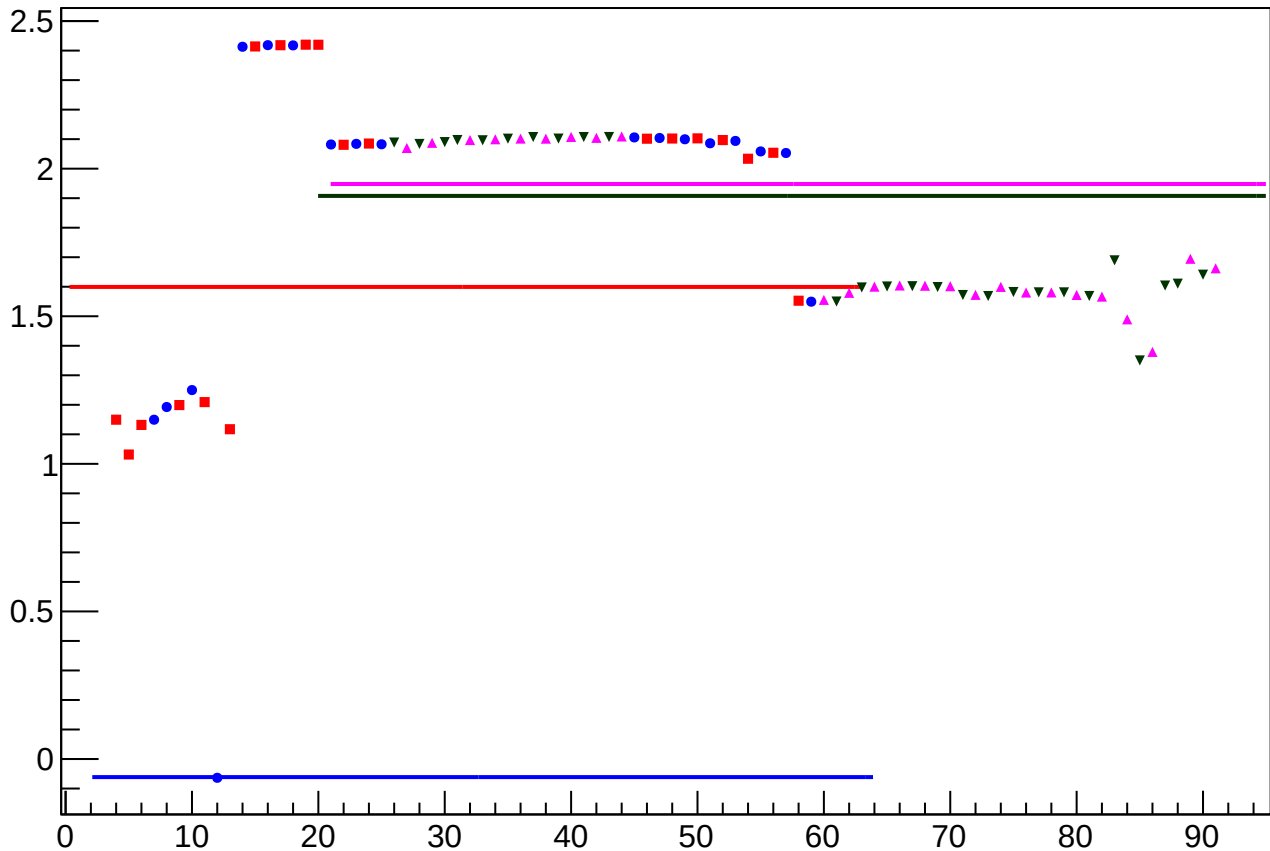
Right Out: 0.008+/-0.000 χ^2/NDF : 697414.3/18

Left In: 0.010+/-0.000 χ^2/NDF : 1102536.5/24

0.000+/-0.000 χ^2/NDF : 44661912.3/43

0.009+/-0.000 χ^2/NDF : 2168872.9/43

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

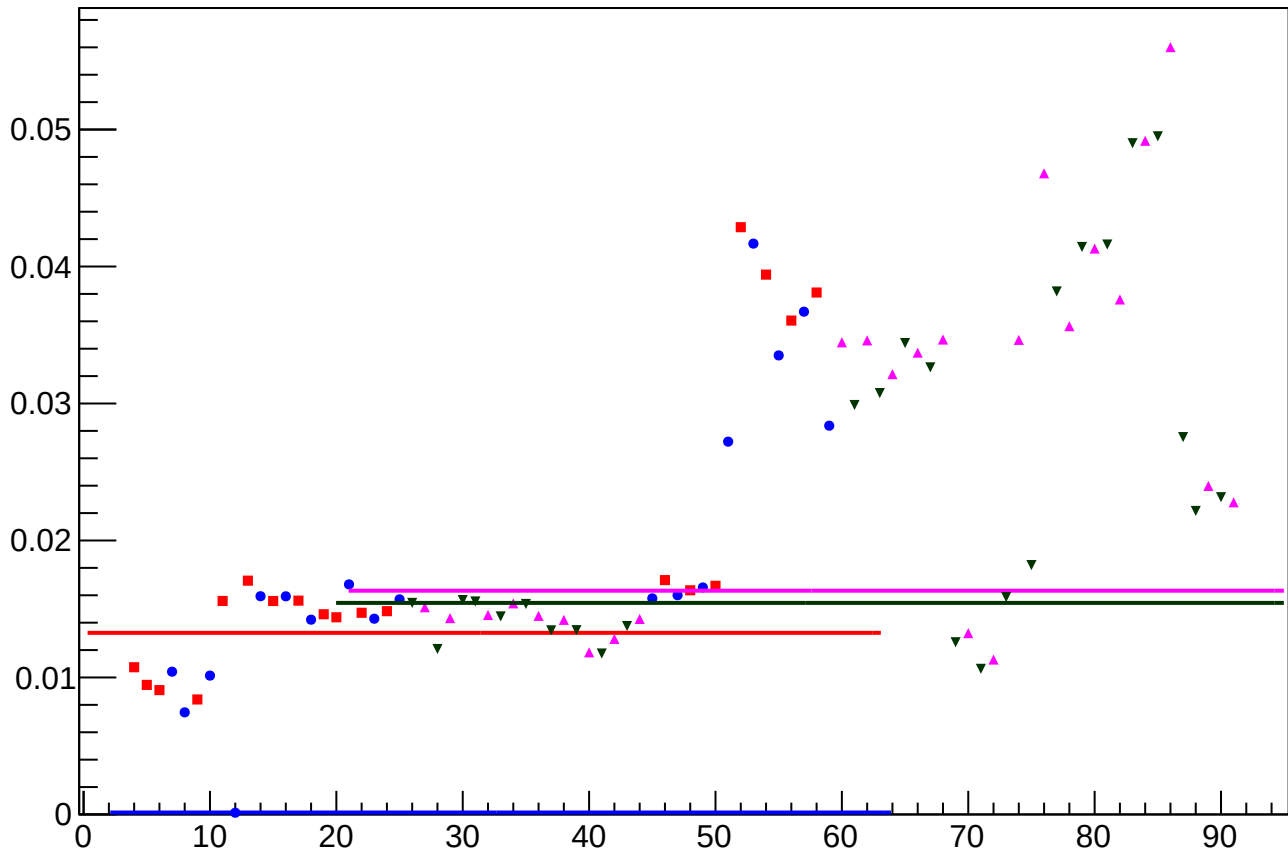
-0.059+/-0.000 χ^2/NDF : 338888990108.1/43

Right Out: 1.599+/-0.000 χ^2/NDF : 13096029057.2/18

1.760+/-0.000 χ^2/NDF : 17745204904.1/43

Left In: 1.948+/-0.000 χ^2/NDF : 2083452251.1/24

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

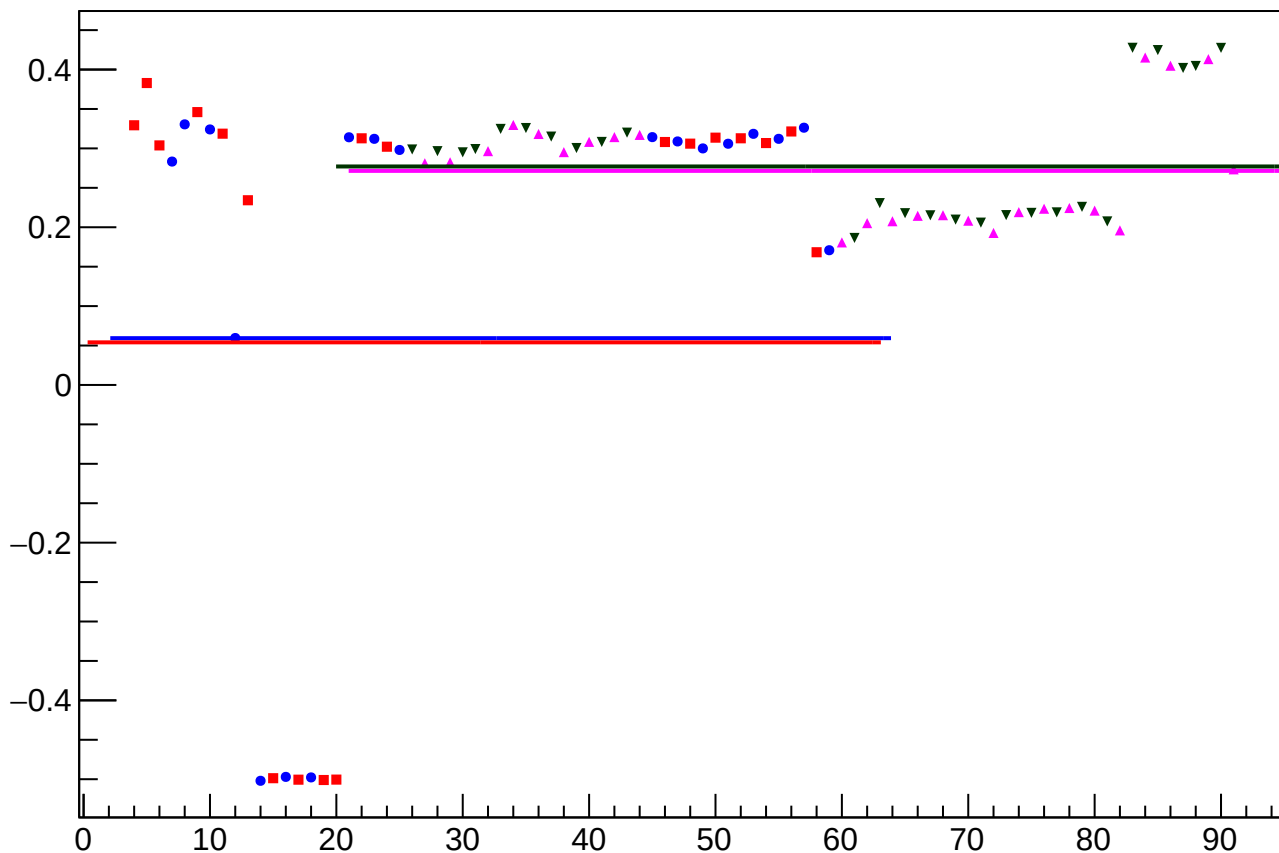
Right Out: 0.013+/-0.000 χ^2/NDF : 2690130.8/18

Left In: 0.016+/-0.000 χ^2/NDF : 4291256.8/24

0.000+/-0.000 χ^2/NDF : 43220191.1/43

0.015+/-0.000 χ^2/NDF : 7380491.0/43

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

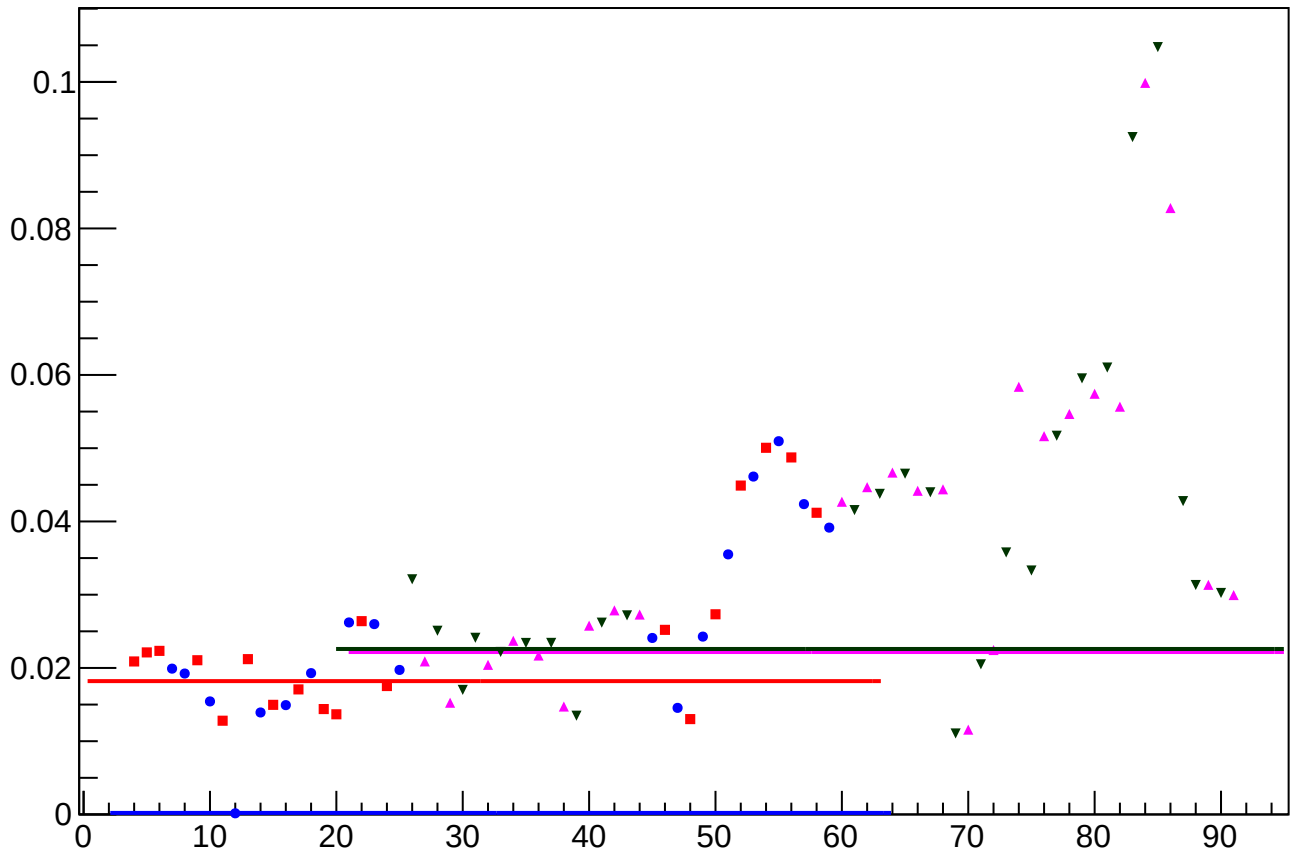
Right Out: 0.054+/-0.000 χ^2/NDF : 3509628523.3/18

Left In: 0.271+/-0.000 χ^2/NDF : 50471375.6/24

0.060+/-0.000 χ^2/NDF : 4851507125.8/43

0.152+/-0.000 χ^2/NDF : 4094232318.3/43

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

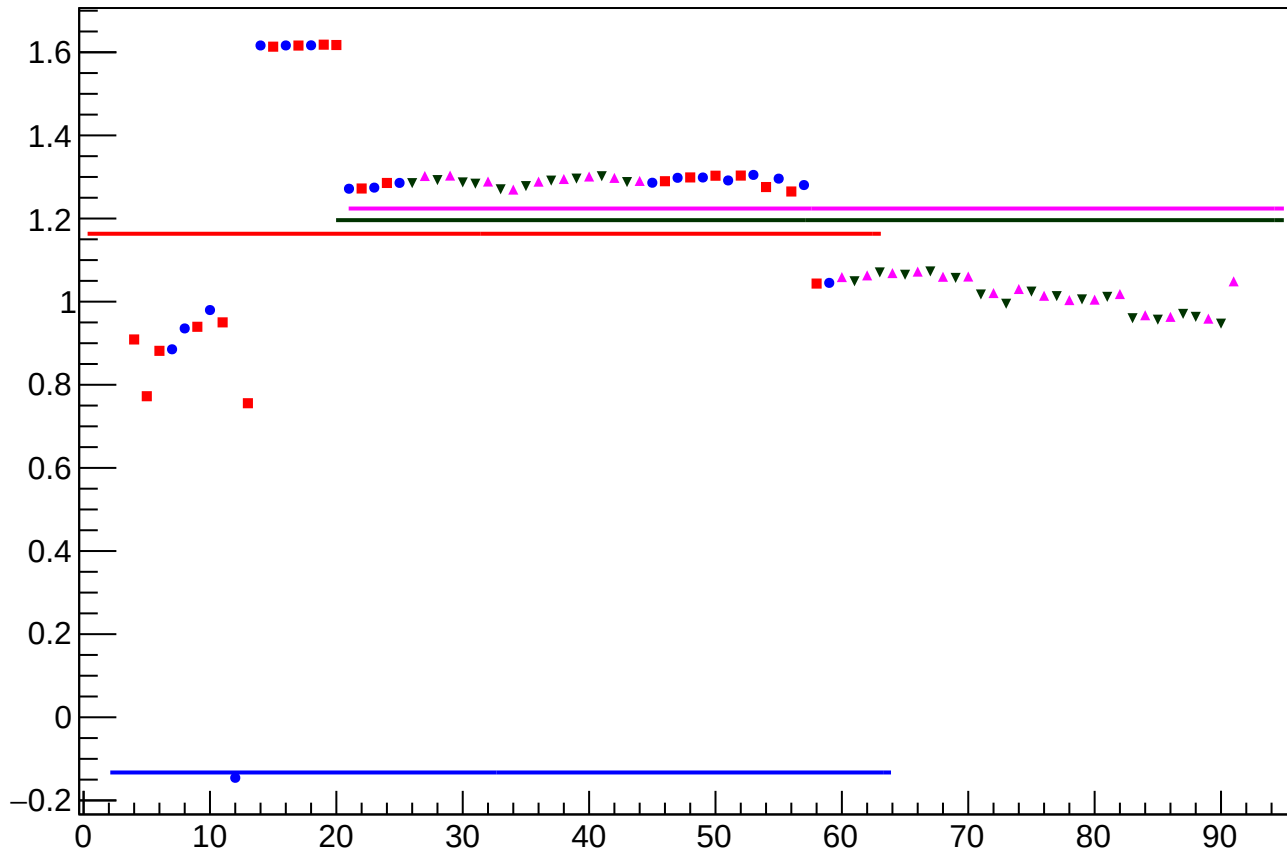
Right Out: 0.018+/-0.000 χ^2/NDF : 2422437.2/18

Left In: 0.022+/-0.000 χ^2/NDF : 5779018.6/24

0.000+/-0.000 χ^2/NDF : 44007314.3/43

0.020+/-0.000 χ^2/NDF : 8557755.6/43

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

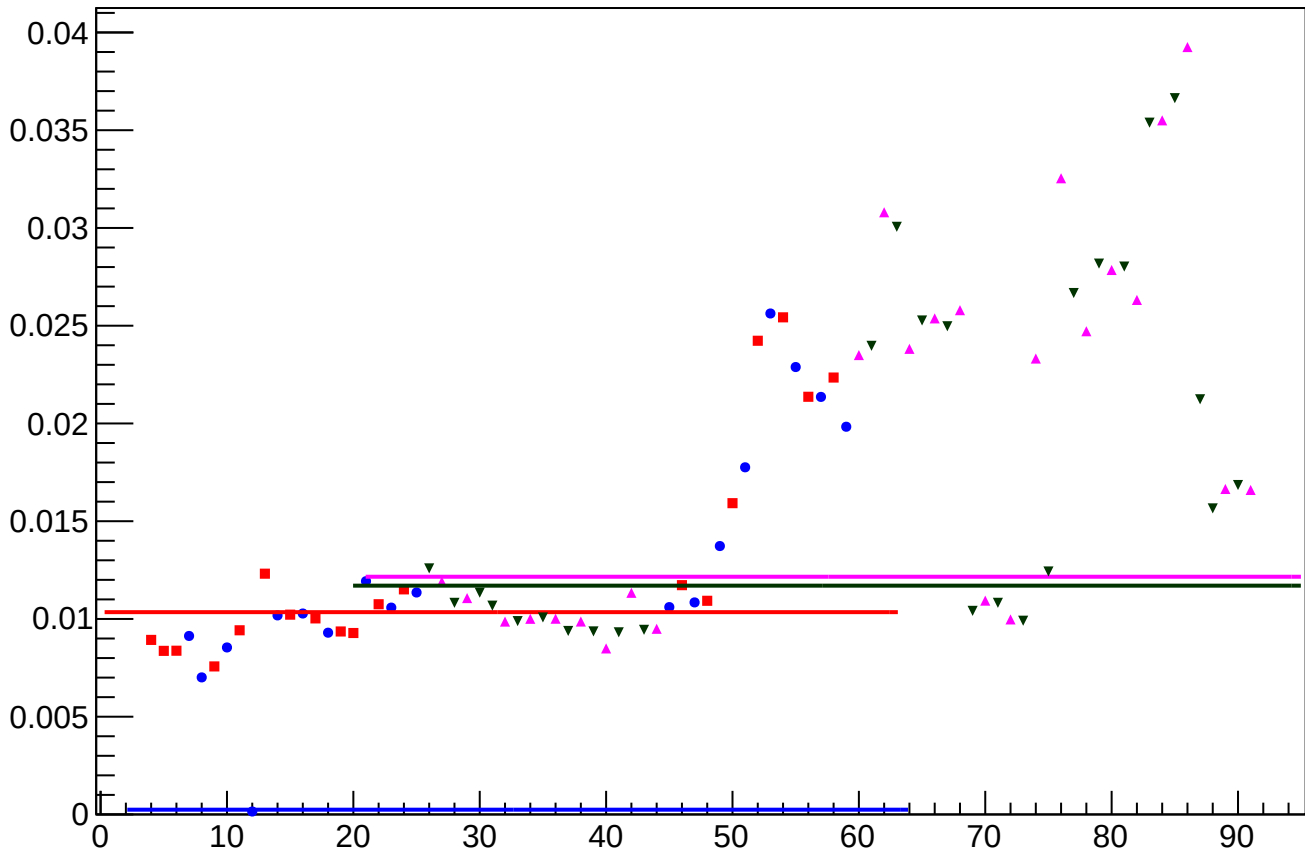
-0.122+/-0.000 χ^2/NDF : 303255365435.5/43

Right Out: 1.163+/-0.000 χ^2/NDF : 7253036603.9/18

1.192+/-0.000 χ^2/NDF : 8361242064.3/43

Left In: 1.224+/-0.000 χ^2/NDF : 969895757.3/24

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

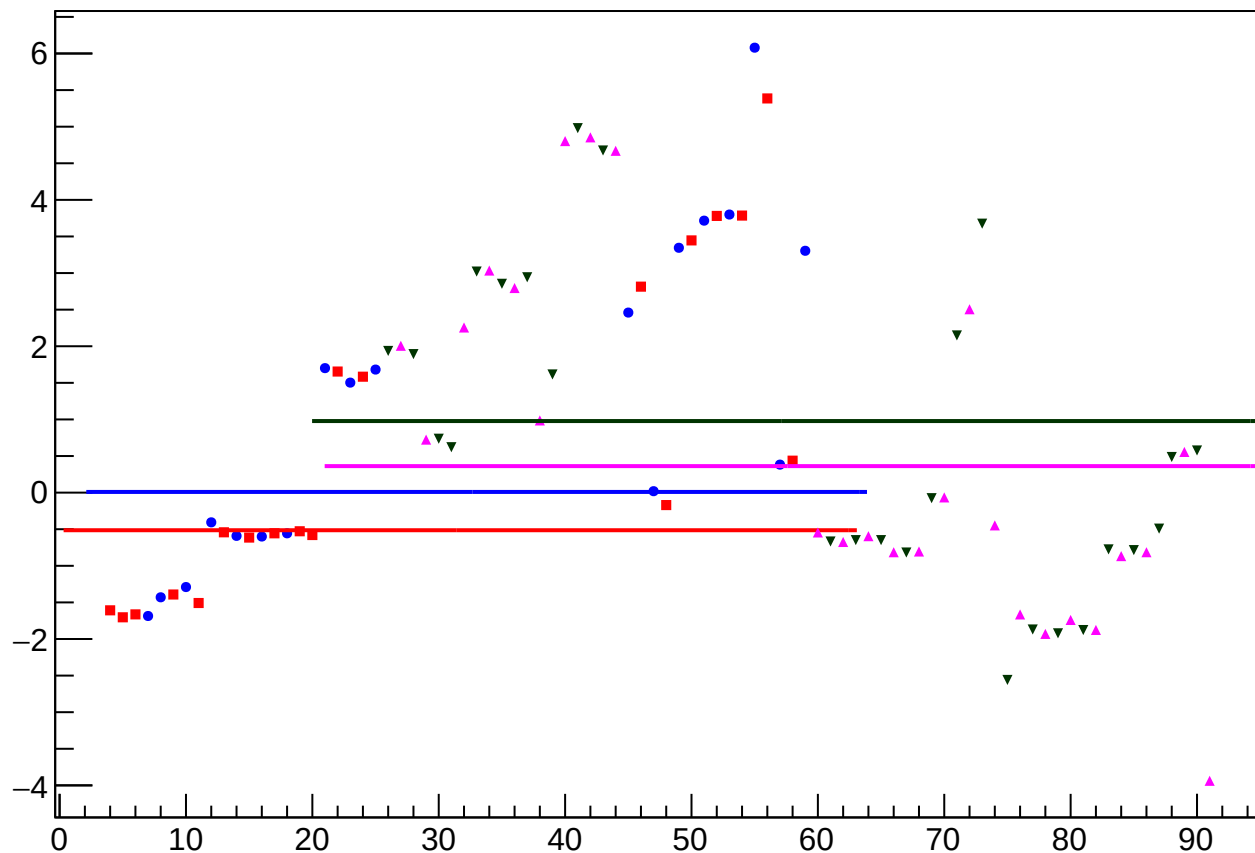
Right Out: 0.010+/-0.000 χ^2/NDF : 1619353.0/18

Left In: 0.012+/-0.000 χ^2/NDF : 4102483.0/24

0.000+/-0.000 χ^2/NDF : 42312988.8/43

0.011+/-0.000 χ^2/NDF : 5968219.6/43

yield_bpm1X_mean vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 18135045883.2/17

Left Out: 0.978+/-0.000 χ^2/NDF : 3730924415.3/25

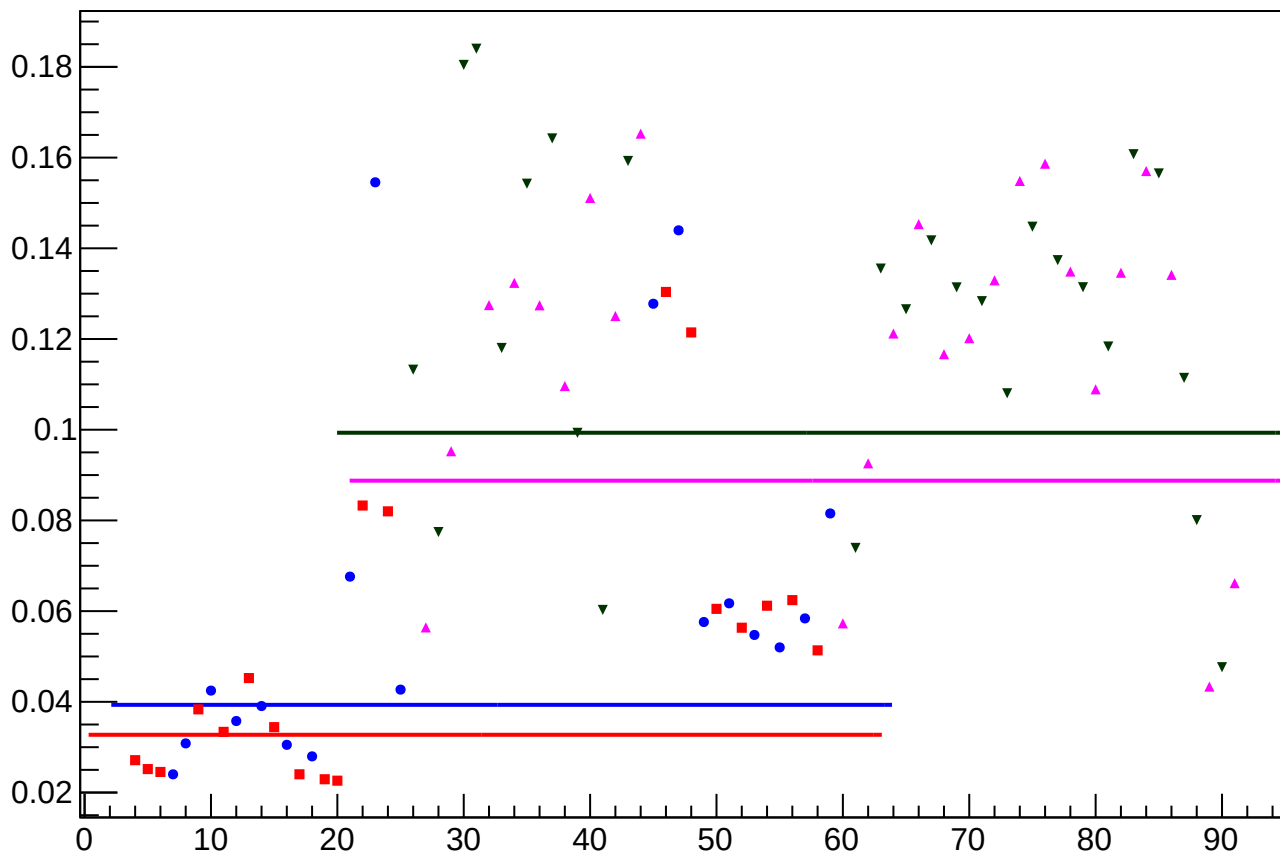
Right Out: -0.514+/-0.000 χ^2/NDF : 14474436949.2/18

Left In: 0.362+/-0.000 χ^2/NDF : 4583124833.0/24

0.168+/-0.000 χ^2/NDF : 22598595690.5/43

-0.369+/-0.000 χ^2/NDF : 19832767077.4/43

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

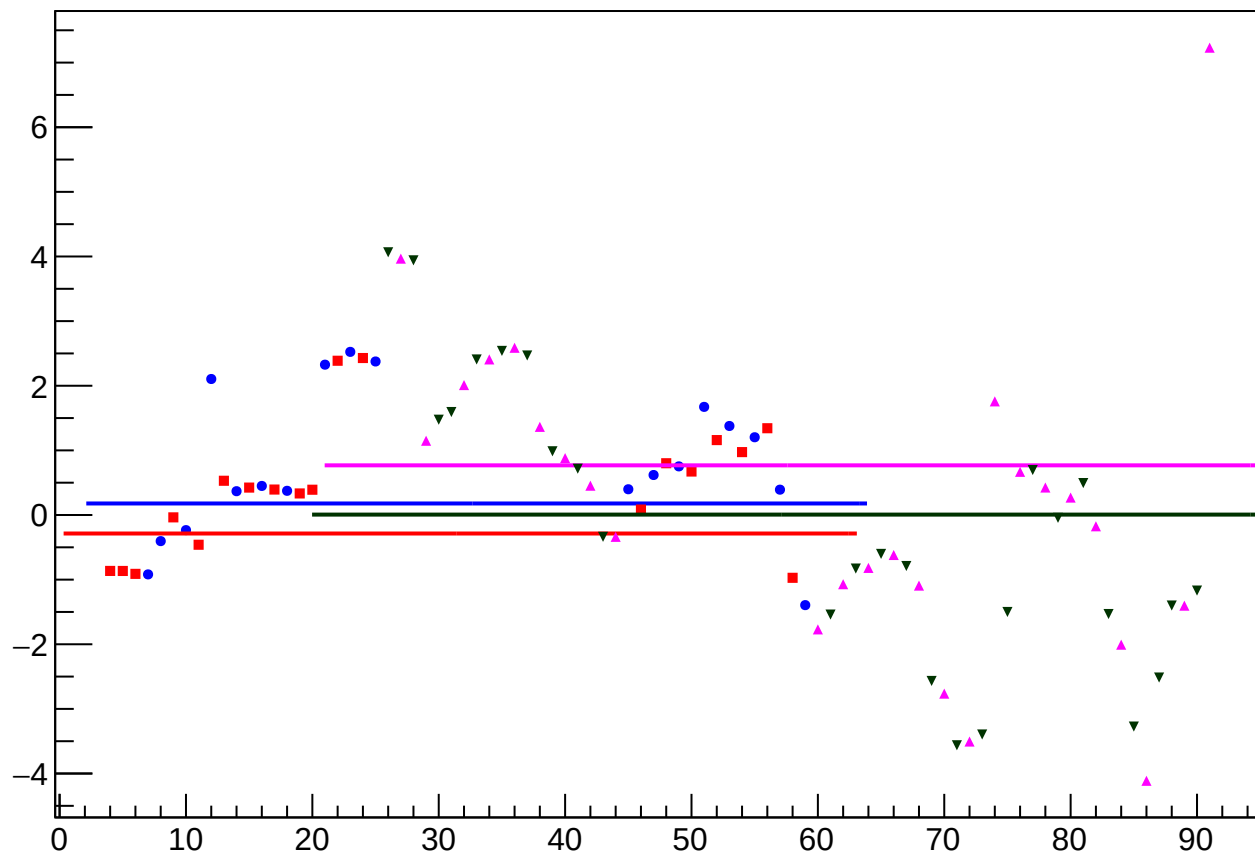
Right Out: 0.033+/-0.000 χ^2/NDF : 2838022.5/18

Left In: 0.089+/-0.000 χ^2/NDF : 3717626.9/24

0.049+/-0.000 χ^2/NDF : 11636396.0/43

0.042+/-0.000 χ^2/NDF : 12897106.5/43

yield_bpm1Y_mean vs slug



Right In: 0.178+/-0.000 χ^2/NDF : 9482704623.3/17

Left Out: 0.006+/-0.000 χ^2/NDF : 8176215808.8/25

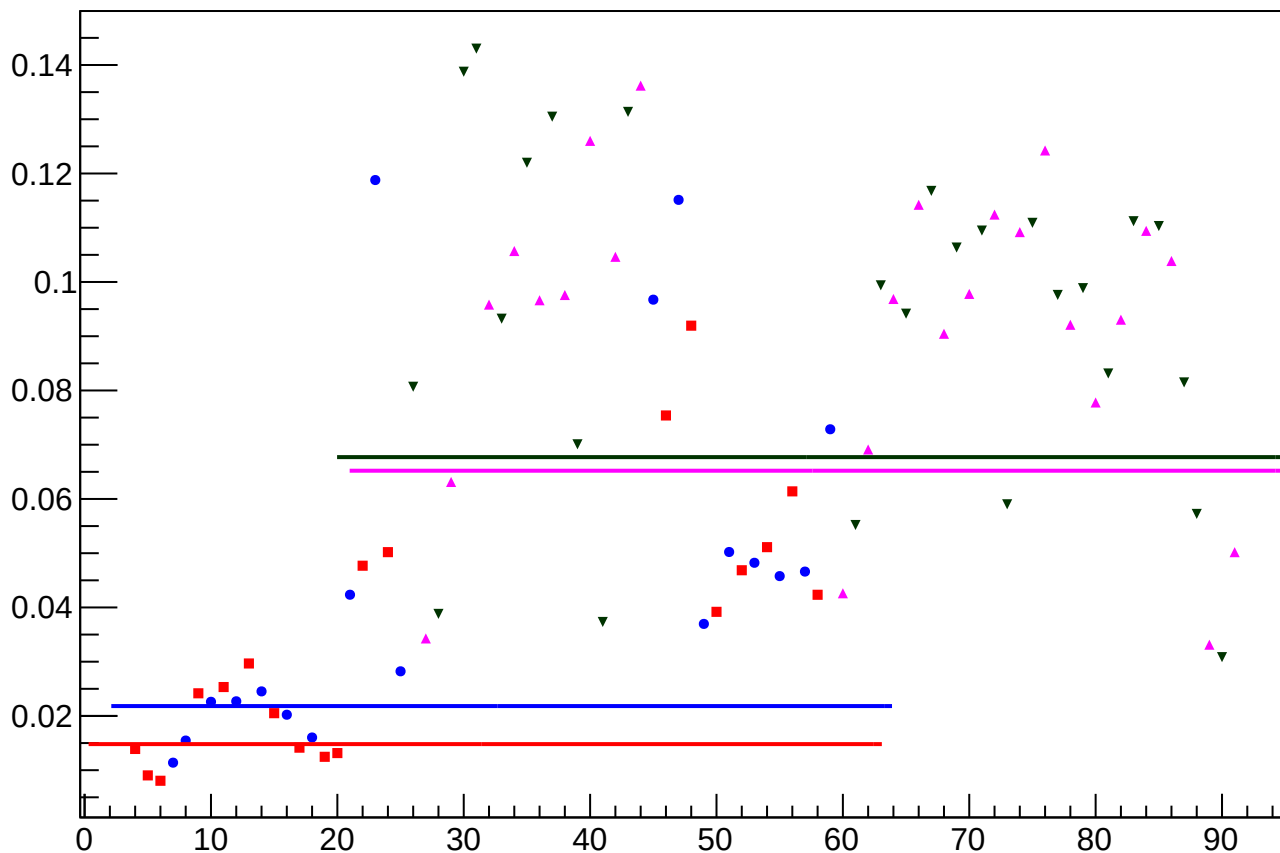
Right Out: -0.286+/-0.000 χ^2/NDF : 10734675455.5/18

Left In: 0.768+/-0.000 χ^2/NDF : 15966453403.4/24

0.157+/-0.000 χ^2/NDF : 17704792442.8/43

-0.194+/-0.000 χ^2/NDF : 28830544196.7/43

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

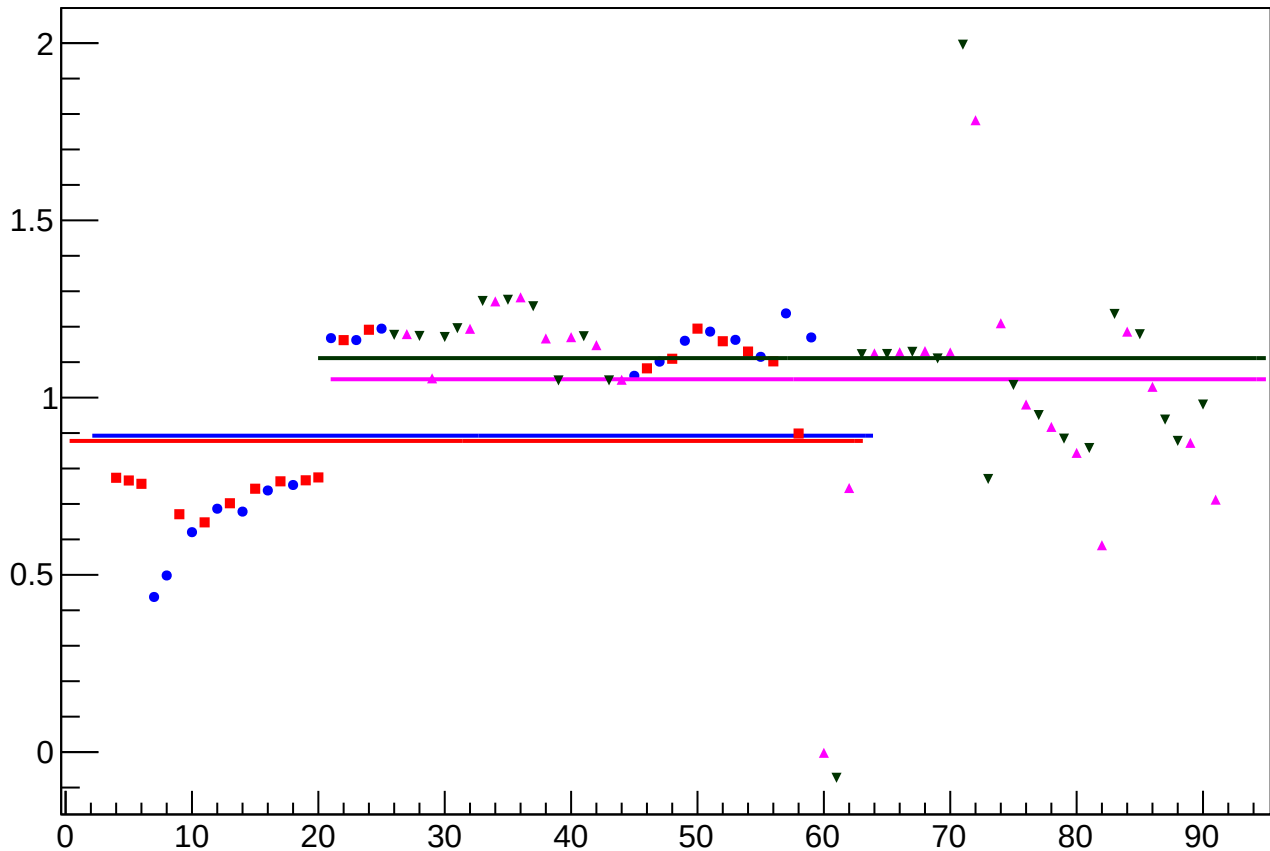
Right Out: 0.015+/-0.000 χ^2/NDF : 4938559.5/18

Left In: 0.065+/-0.000 χ^2/NDF : 4202015.2/24

0.028+/-0.000 χ^2/NDF : 15135734.1/43

0.019+/-0.000 χ^2/NDF : 18863826.8/43

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

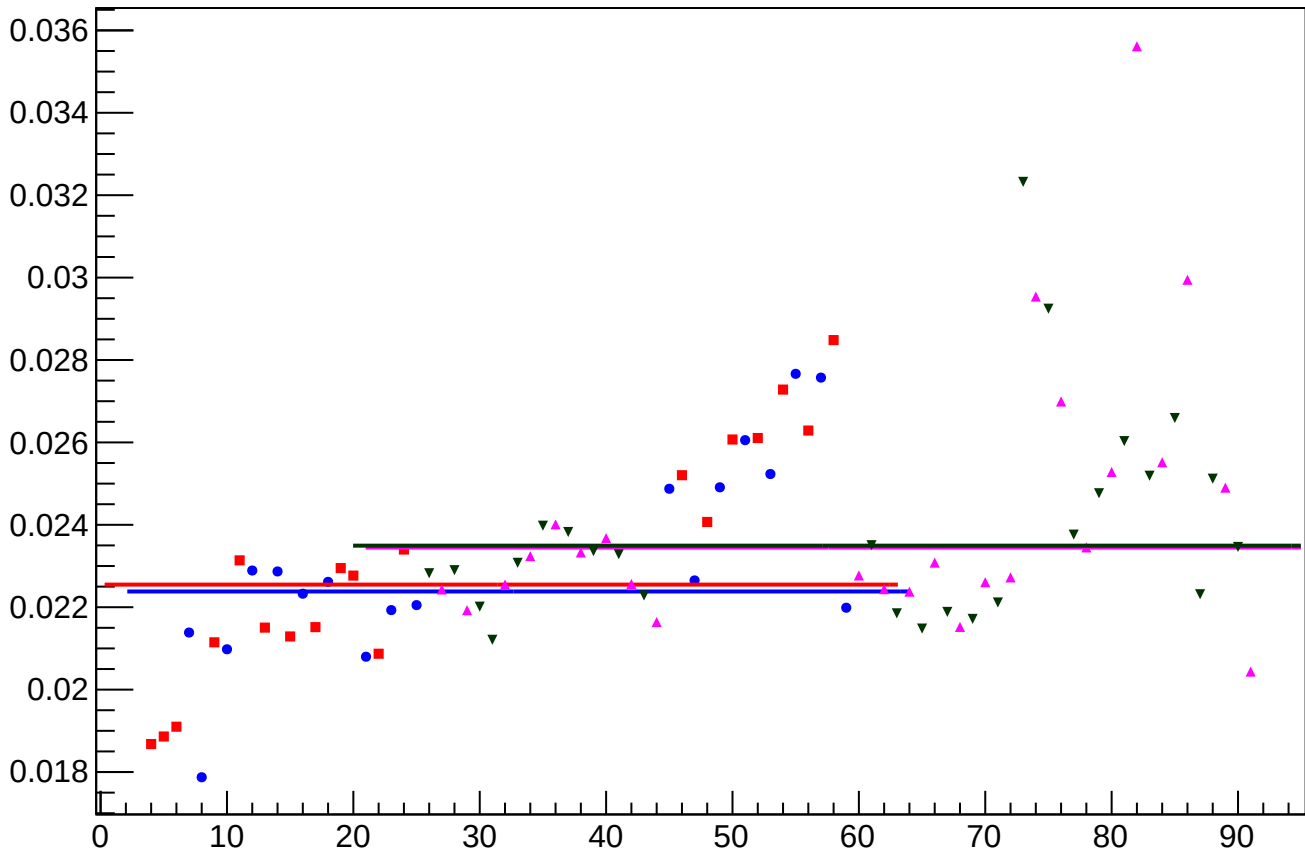
Right Out: 0.878 ± 0.000 χ^2/NDF : 761495098.5/18

Left In: 1.052 ± 0.000 χ^2/NDF : 2081142934.7/24

1.005 ± 0.000 χ^2/NDF : 4353118520.8/43

0.975 ± 0.000 χ^2/NDF : 3158161635.5/43

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

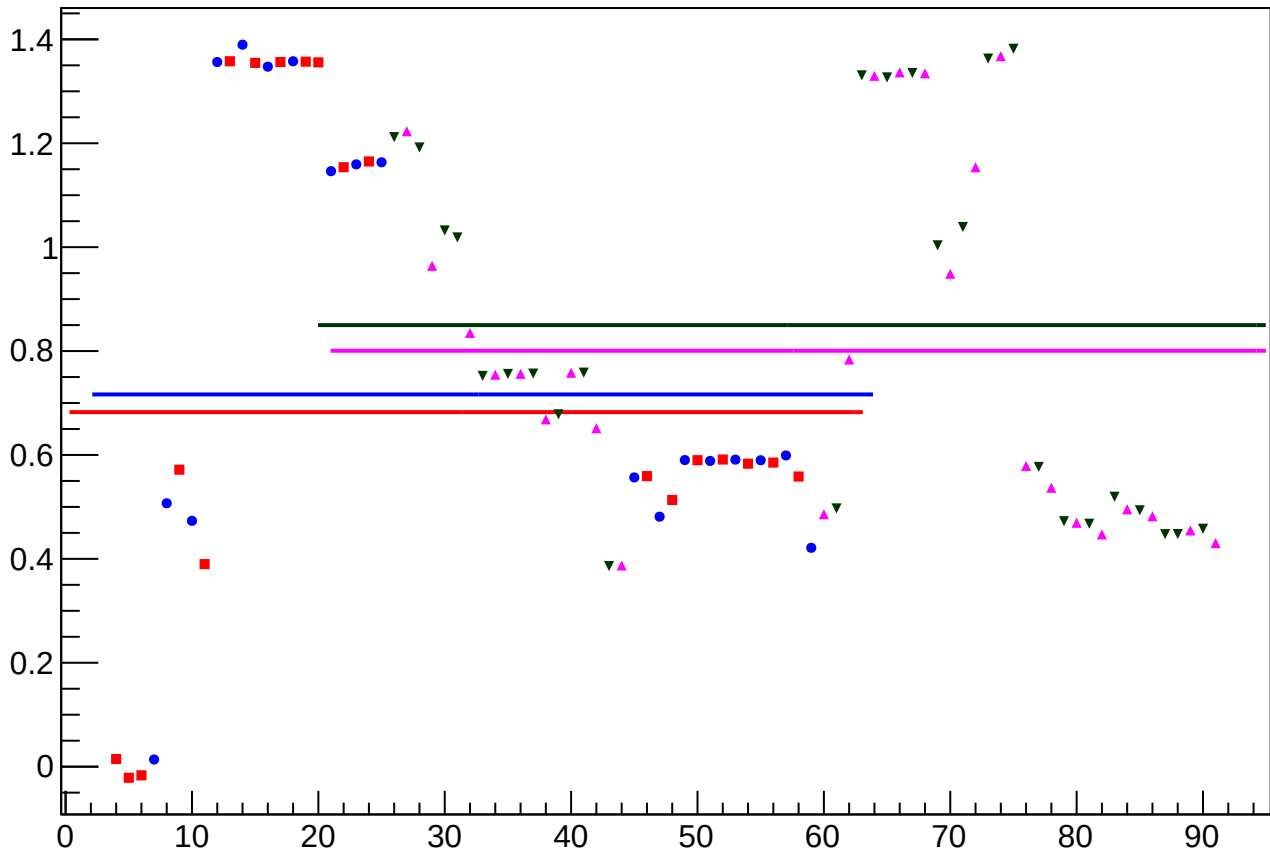
0.023 ± 0.000 χ^2/NDF : 485721.2/43

Right Out: 0.023 ± 0.000 χ^2/NDF : 246194.4/18

0.023 ± 0.000 χ^2/NDF : 540736.0/43

Left In: 0.023 ± 0.000 χ^2/NDF : 277688.6/24

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

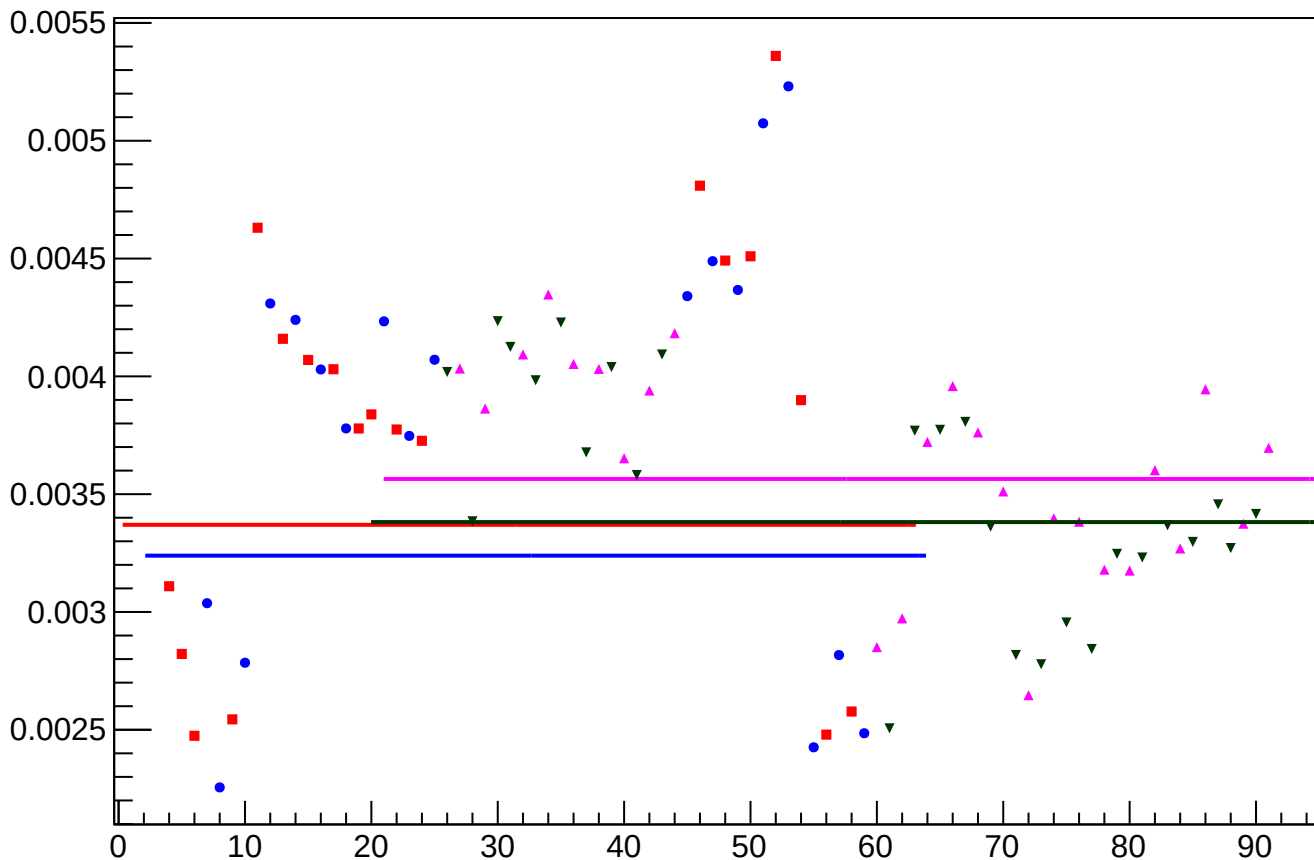
0.787+/-0.000 χ^2/NDF : 270755481660.5/43

Right Out: 0.682+/-0.000 χ^2/NDF : 168328456976.2/18

0.749+/-0.000 χ^2/NDF : 279888756512.4/43

Left In: 0.801+/-0.000 χ^2/NDF : 105365083175.6/24

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

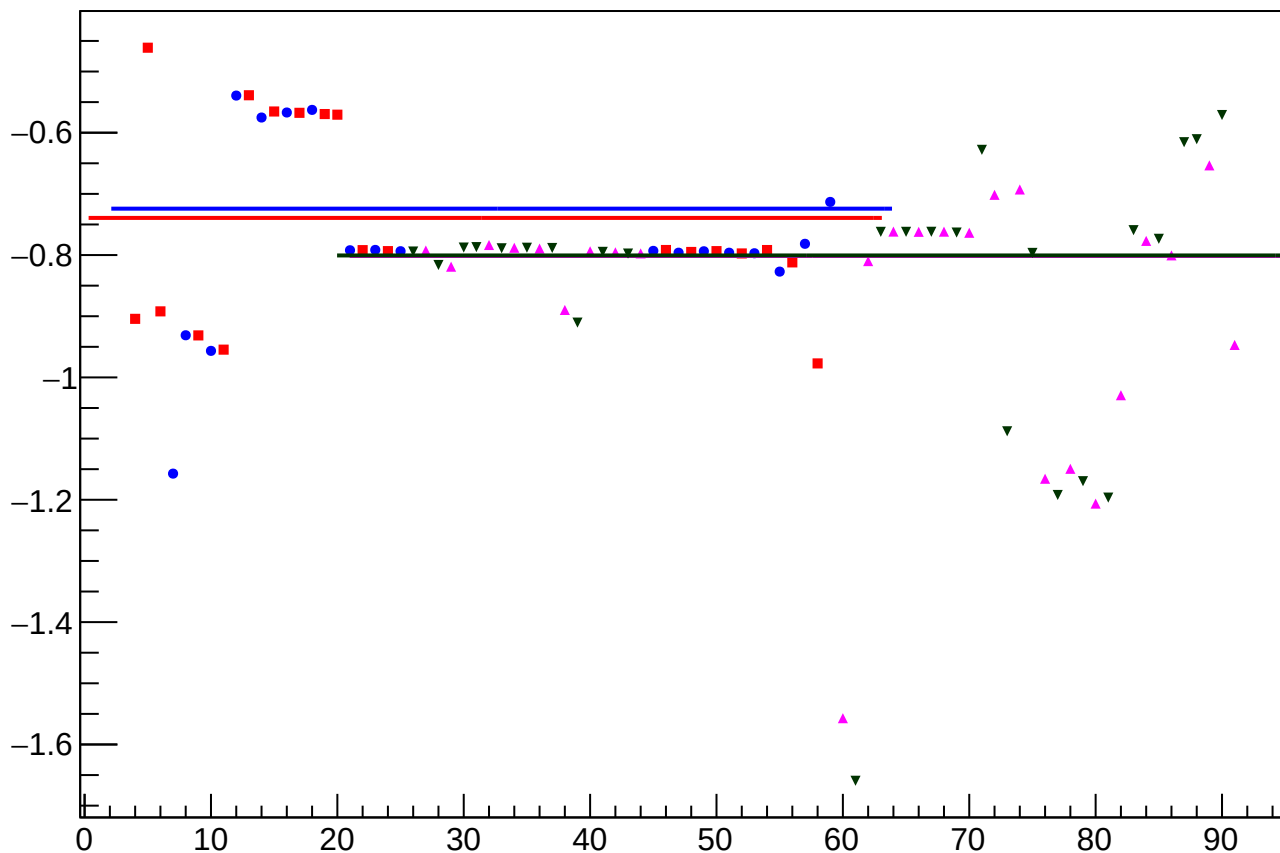
0.003+/-0.000 χ^2/NDF : 2069126.8/43

Right Out: 0.003+/-0.000 χ^2/NDF : 1158167.7/18

0.003+/-0.000 χ^2/NDF : 1600543.5/43

Left In: 0.004+/-0.000 χ^2/NDF :408807.3/24

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

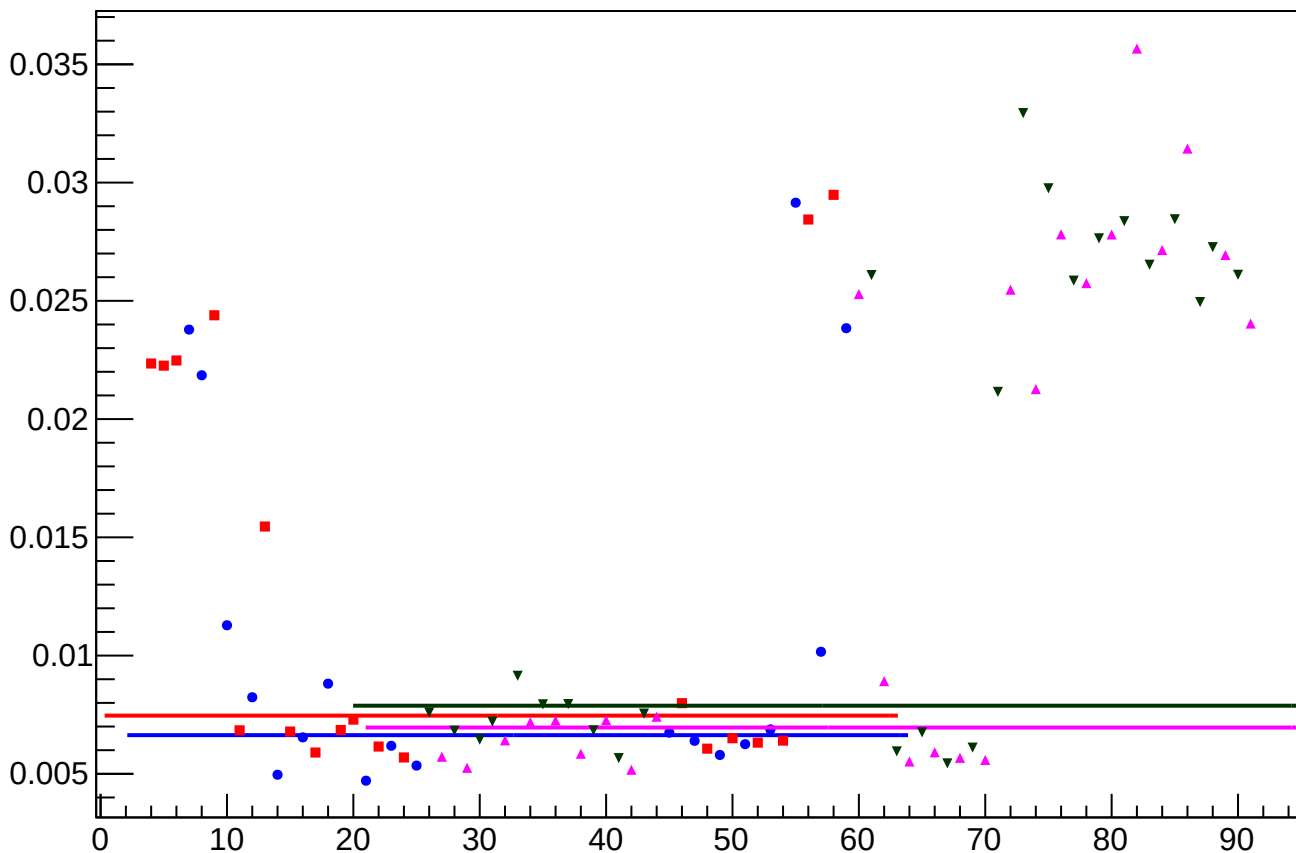
Right Out: -0.739+/-0.000 χ^2/NDF : 1945829237.2/18

Left In: -0.802+/-0.000 χ^2/NDF : 991012900.5/24

-0.758+/-0.000 χ^2/NDF : 3719748954.2/43

-0.776+/-0.000 χ^2/NDF : 3197343055.6/43

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

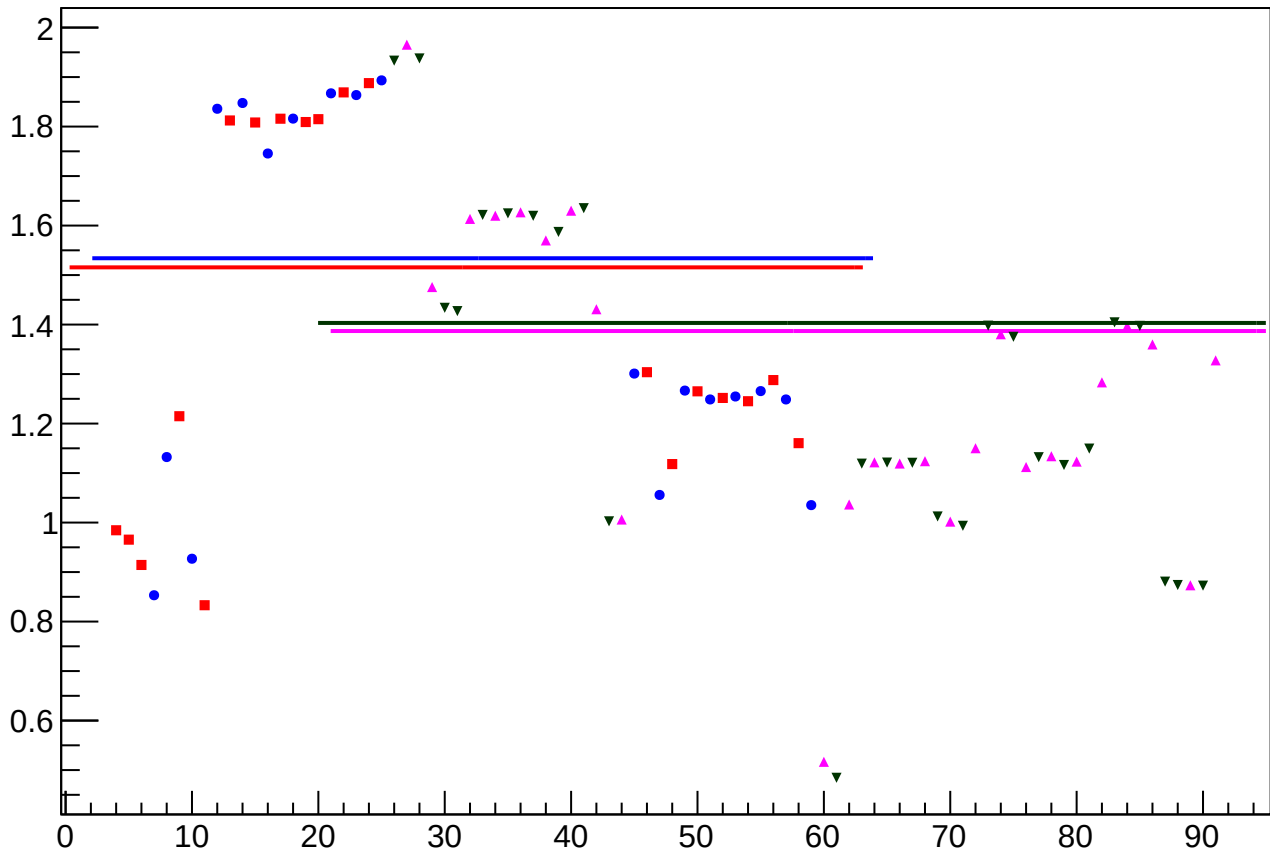
Right Out: 0.007+/-0.000 χ^2/NDF : 3478880.3/18

Left In: 0.007+/-0.000 χ^2/NDF : 6300185.5/24

0.007+/-0.000 χ^2/NDF : 9492959.7/43

0.007+/-0.000 χ^2/NDF : 9813072.3/43

yield_bpm12Y_mean vs slug



Right In: 1.534 $\pm$ 0.000 χ^2 /NDF: 22395382646.2/17

Left Out: 1.403 $\pm$ 0.000 χ^2 /NDF:19811126613.3/25

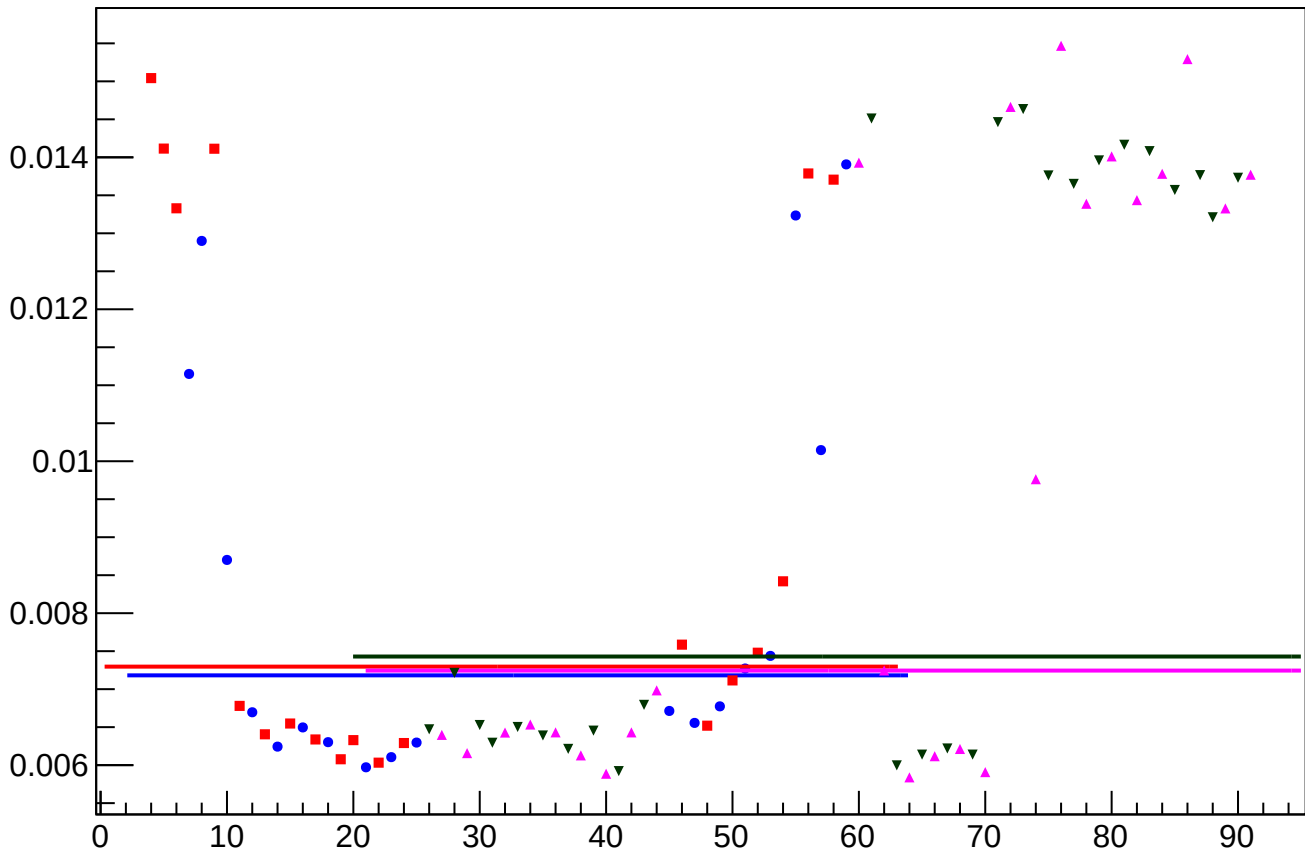
1.468 $\pm$ 0.000 χ^2 /NDF: 43844982990.8/43

Right Out: 1.516 $\pm$ 0.000 χ^2 /NDF: 21754735470.0/18

1.441 $\pm$ 0.000 χ^2 /NDF: 43832937049.9/43

Left In: 1.387 $\pm$ 0.000 χ^2 /NDF:20554172994.5/24

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

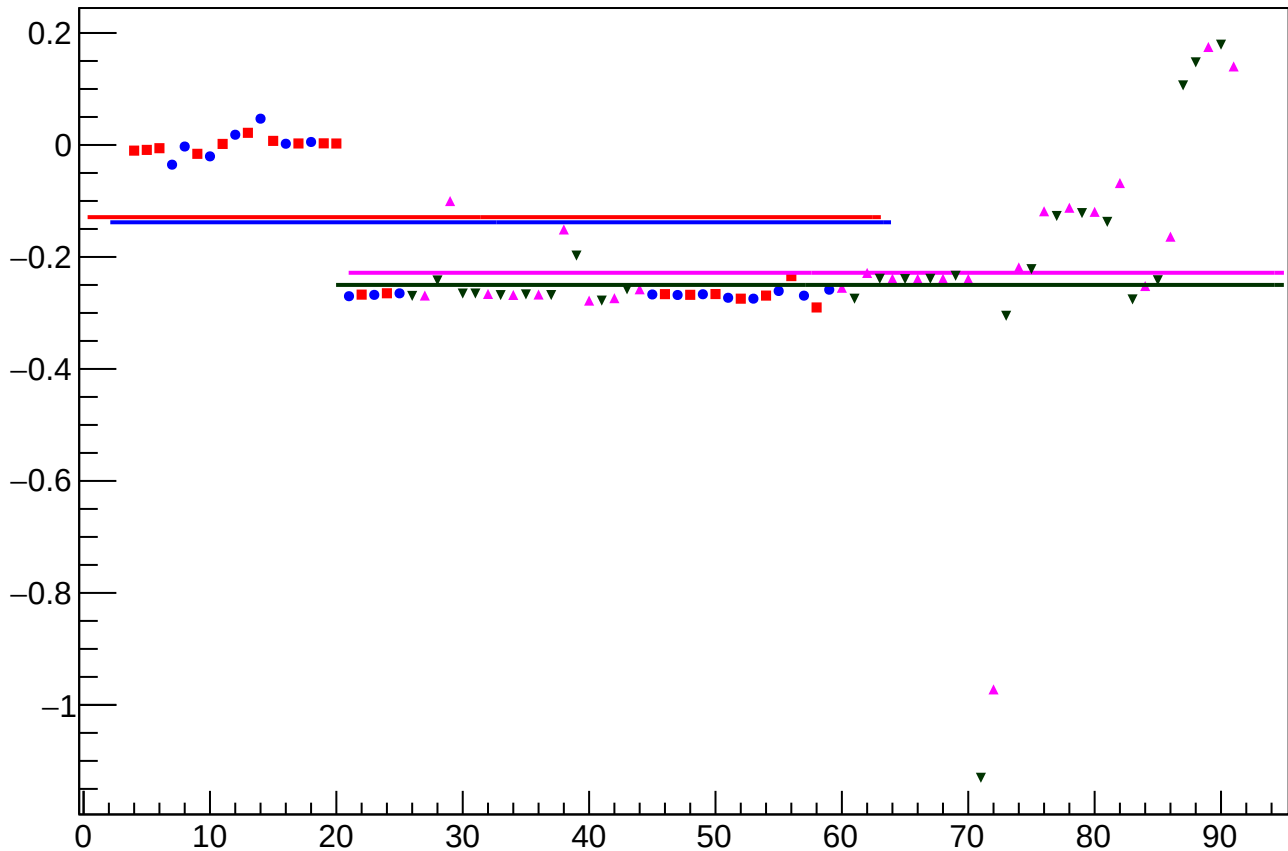
Right Out: 0.007+/-0.000 χ^2/NDF : 1457854.6/18

Left In: 0.007+/-0.000 χ^2/NDF : 2755568.9/24

0.007+/-0.000 χ^2/NDF : 4057812.0/43

0.007+/-0.000 χ^2/NDF : 4213920.4/43

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

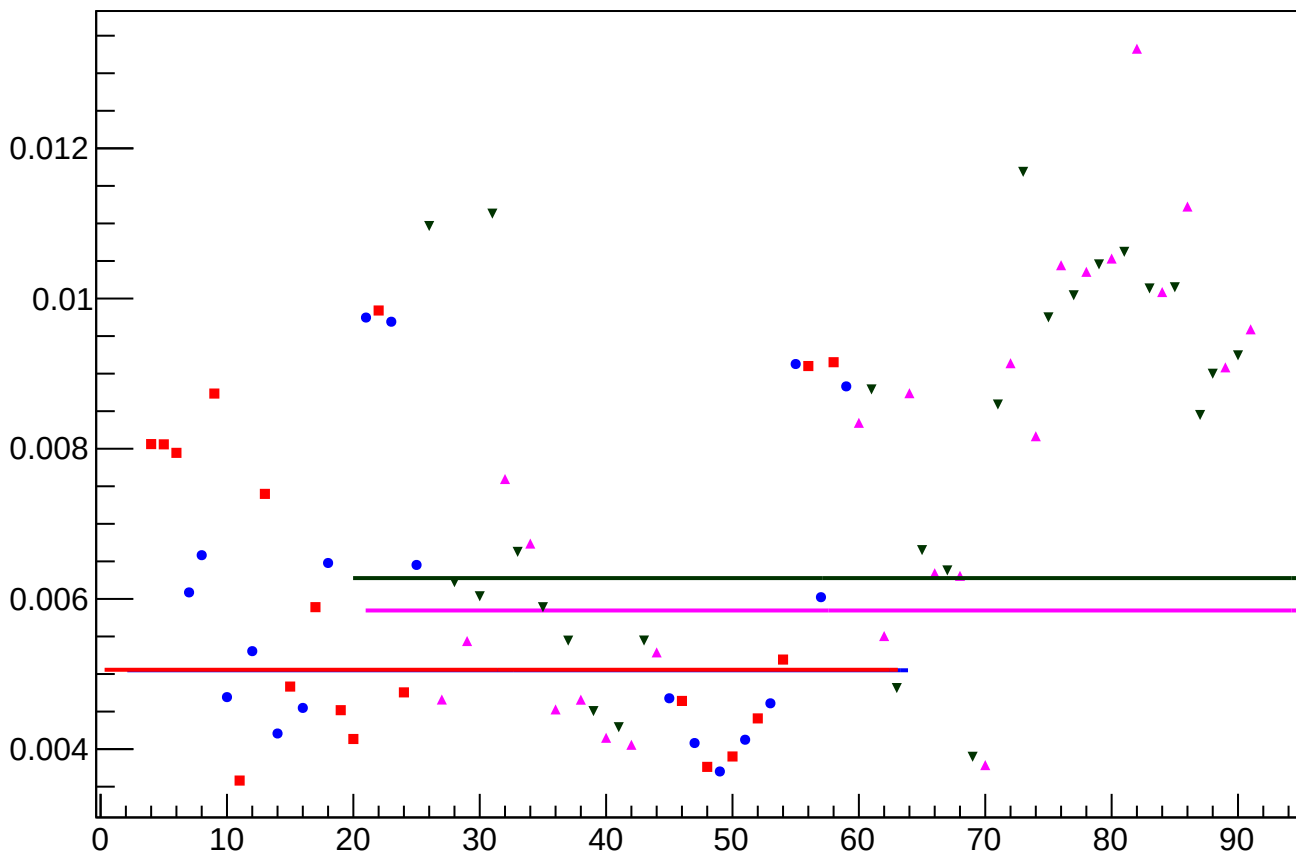
Right Out: -0.129+/-0.000 χ^2/NDF : 5878929515.5/18

Left In: -0.228+/-0.000 χ^2/NDF : 5391877523.4/24

-0.186+/-0.000 χ^2/NDF : 17294365931.7/43

-0.179+/-0.000 χ^2/NDF : 12869800183.5/43

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

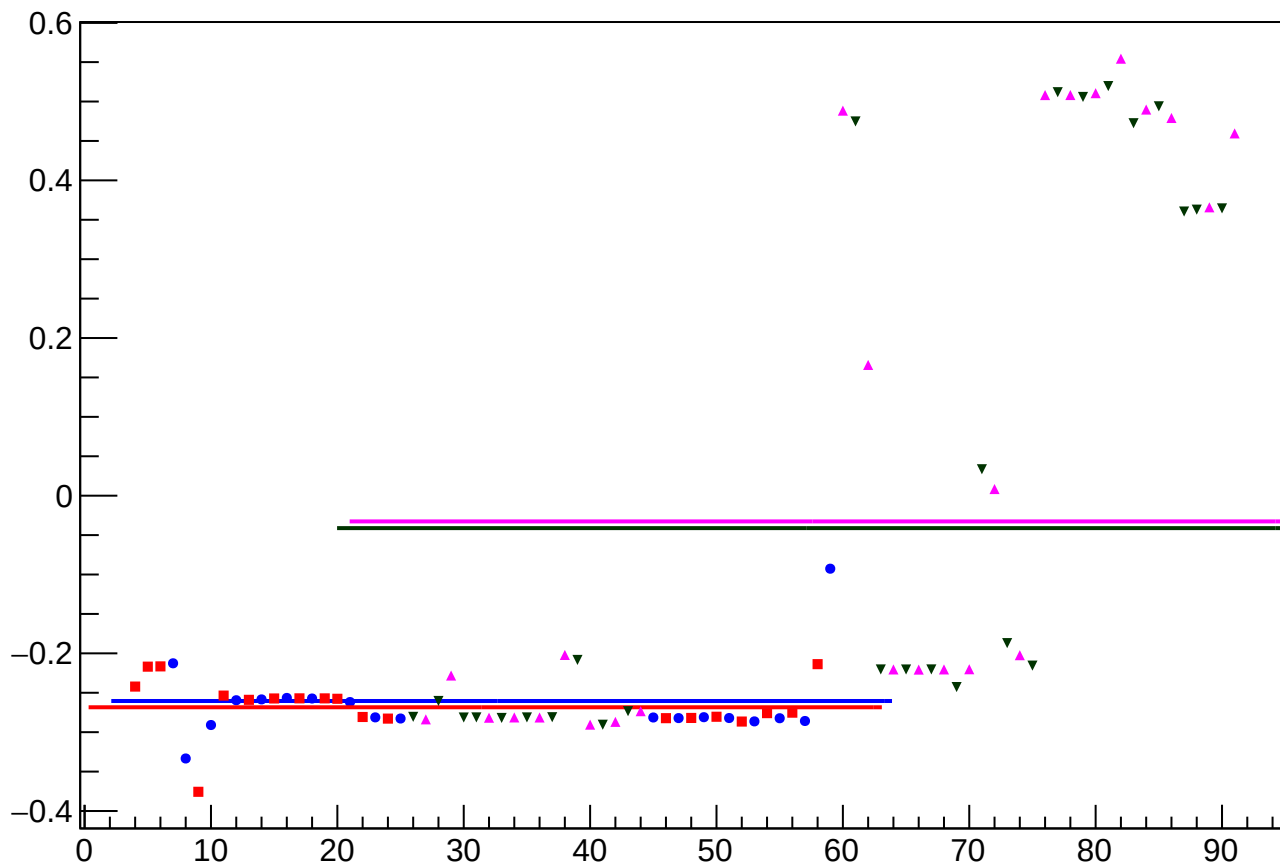
Right Out: 0.005+/-0.000 χ^2/NDF : 1822469.4/18

Left In: 0.006+/-0.000 χ^2/NDF :2904099.5/24

0.006+/-0.000 χ^2/NDF : 4733511.2/43

0.005+/-0.000 χ^2/NDF : 4928517.4/43

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

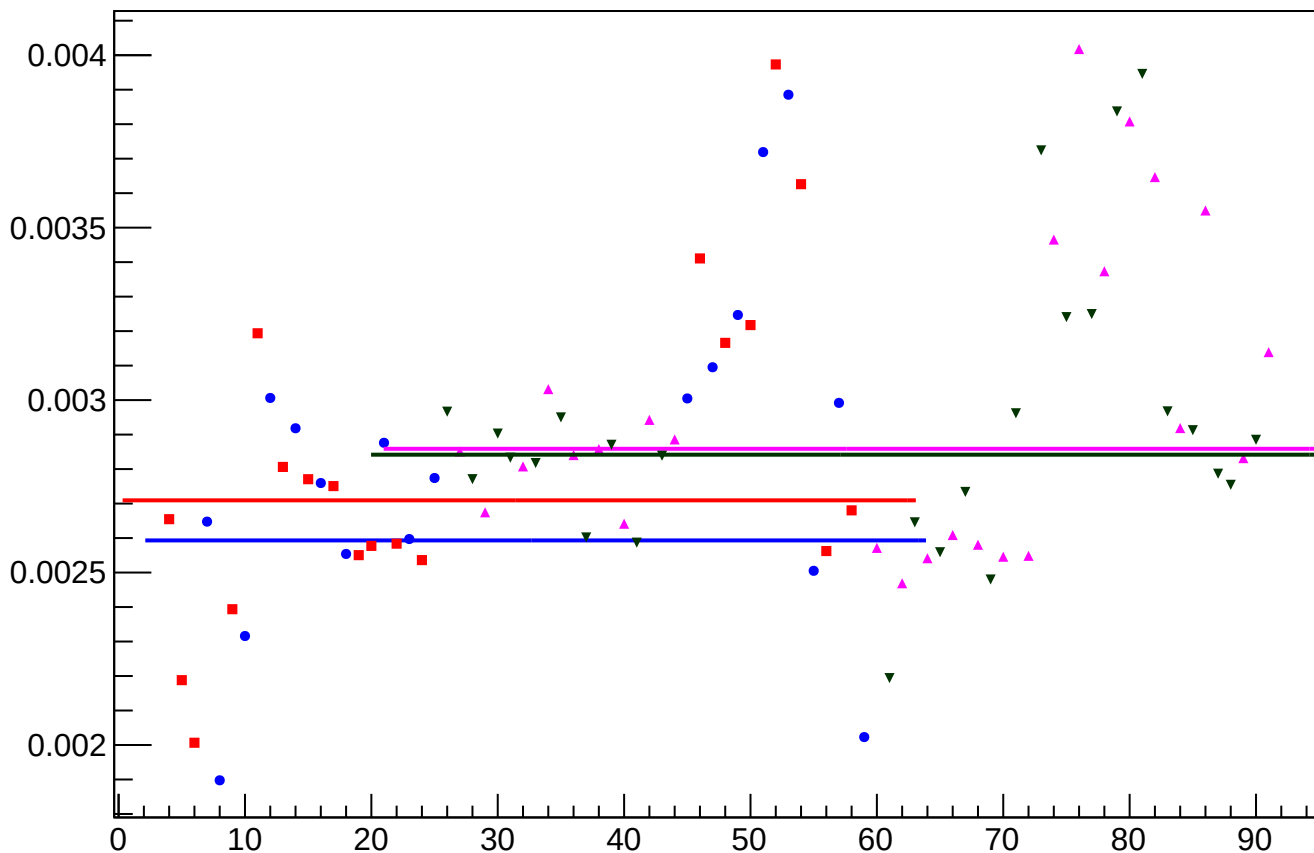
Right Out: -0.268+/-0.000 χ^2/NDF : 2185355194.4/18

Left In: -0.033+/-0.000 χ^2/NDF :161251187664.3/24

-0.152+/-0.000 χ^2/NDF : 200038813331.6/43

-0.138+/-0.000 χ^2/NDF : 202699486860.0/43

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

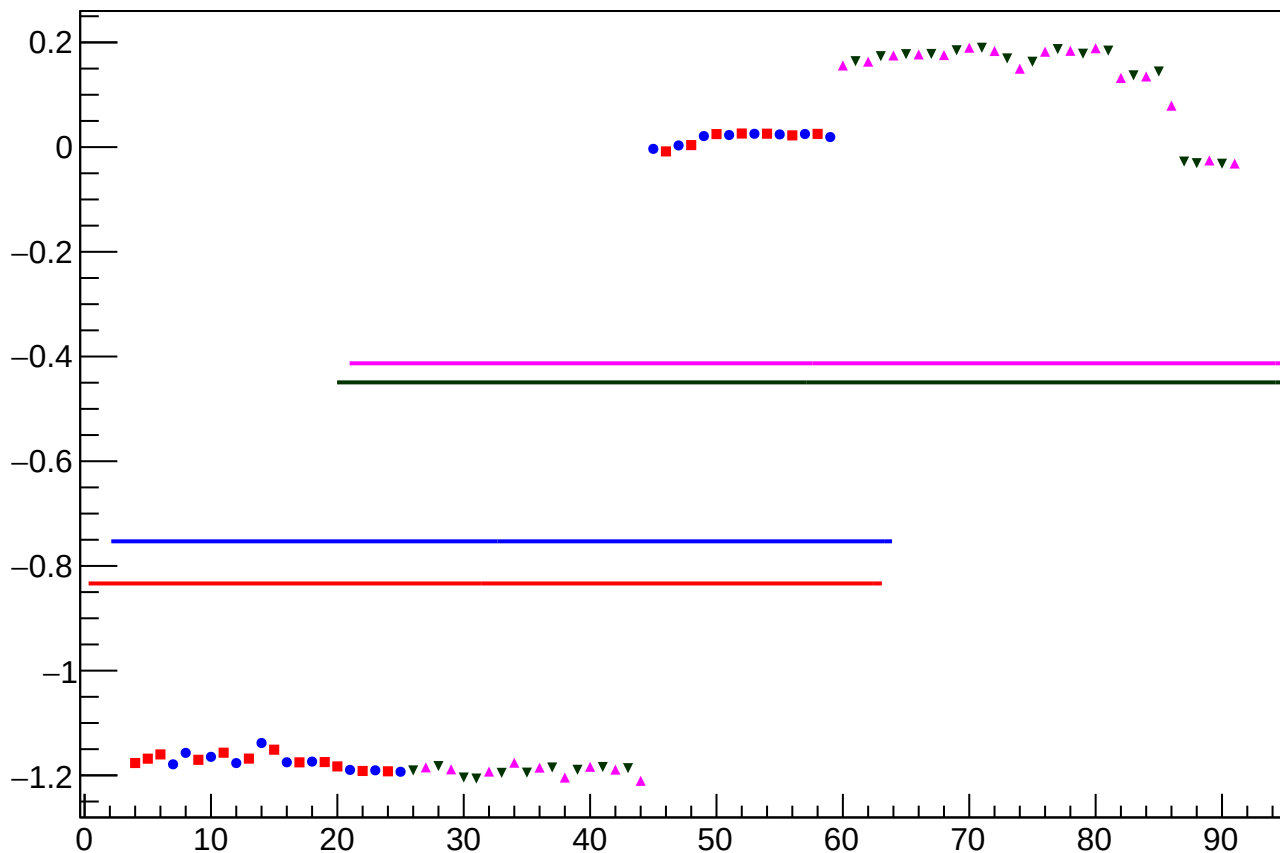
Right Out: 0.003+/-0.000 χ^2/NDF : 476230.4/18

Left In: 0.003+/-0.000 χ^2/NDF : 407869.9/24

0.003+/-0.000 χ^2/NDF : 1243012.7/43

0.003+/-0.000 χ^2/NDF : 915662.4/43

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

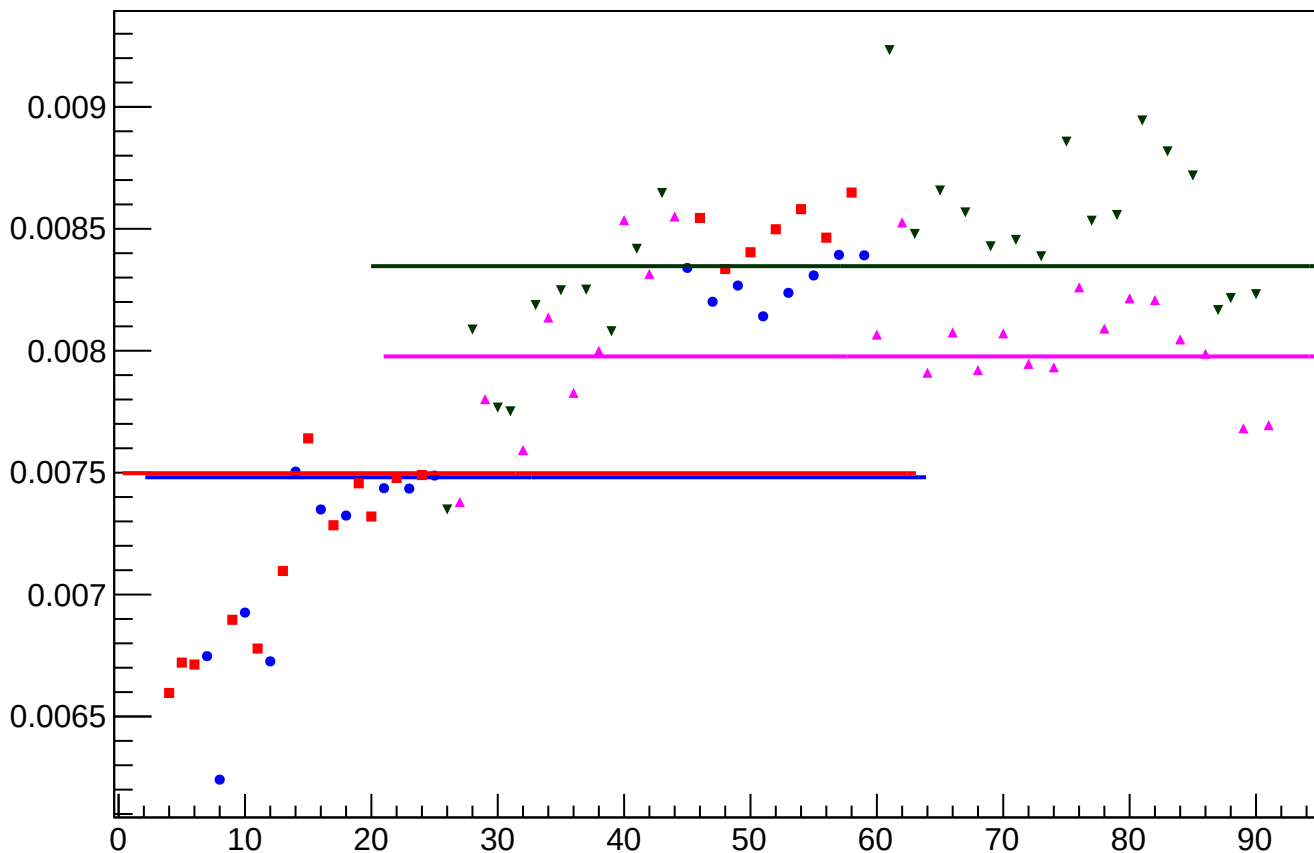
Right Out: -0.833+/-0.000 χ^2/NDF : 50332816661.3/18

Left In: -0.413+/-0.000 χ^2/NDF : 92074063594.0/24

-0.608+/-0.000 χ^2/NDF : 152925441439.0/43

-0.602+/-0.000 χ^2/NDF : 159428227470.8/43

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

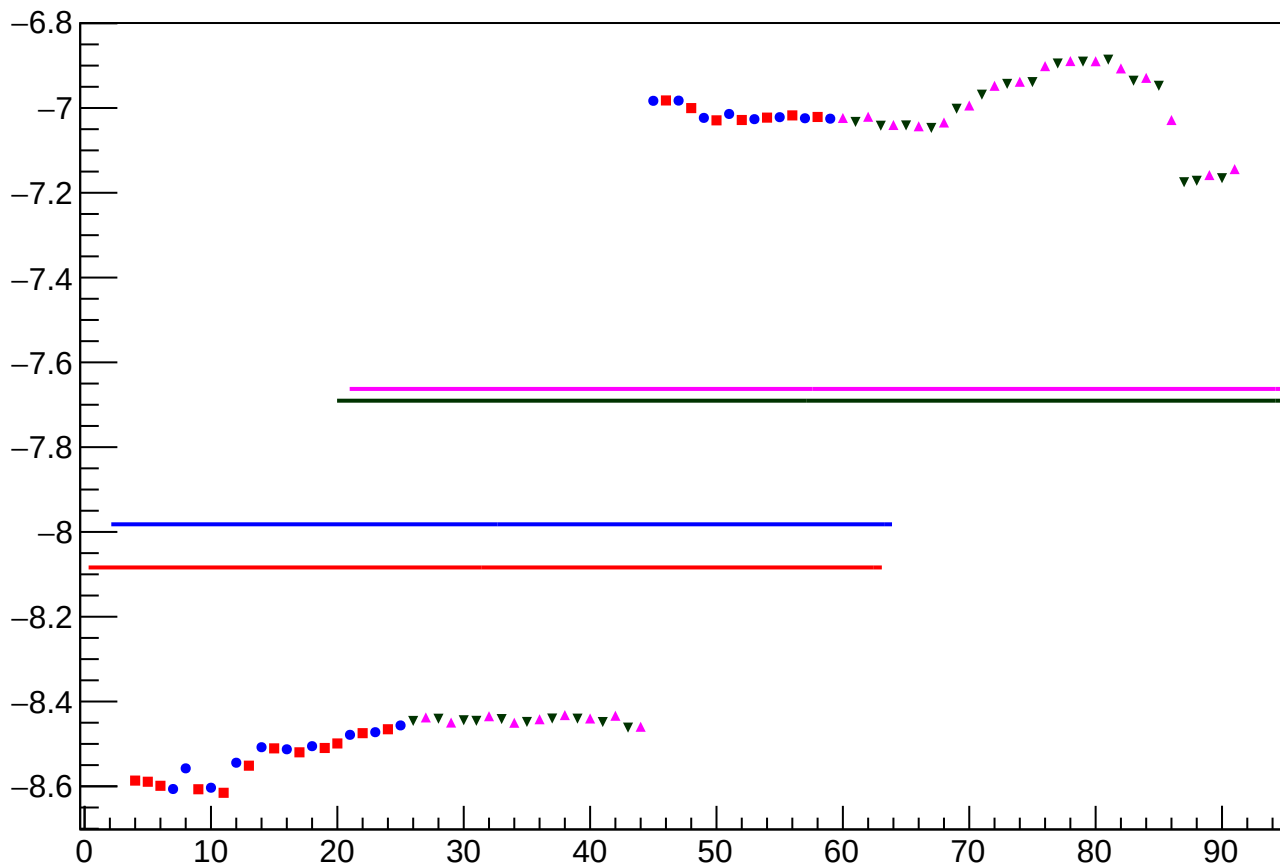
Right Out: 0.007+/-0.000 χ^2/NDF : 167417.2/18

Left In: 0.008+/-0.000 χ^2/NDF : 37667.8/24

0.008+/-0.000 χ^2/NDF : 395169.3/43

0.008+/-0.000 χ^2/NDF : 249244.8/43

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

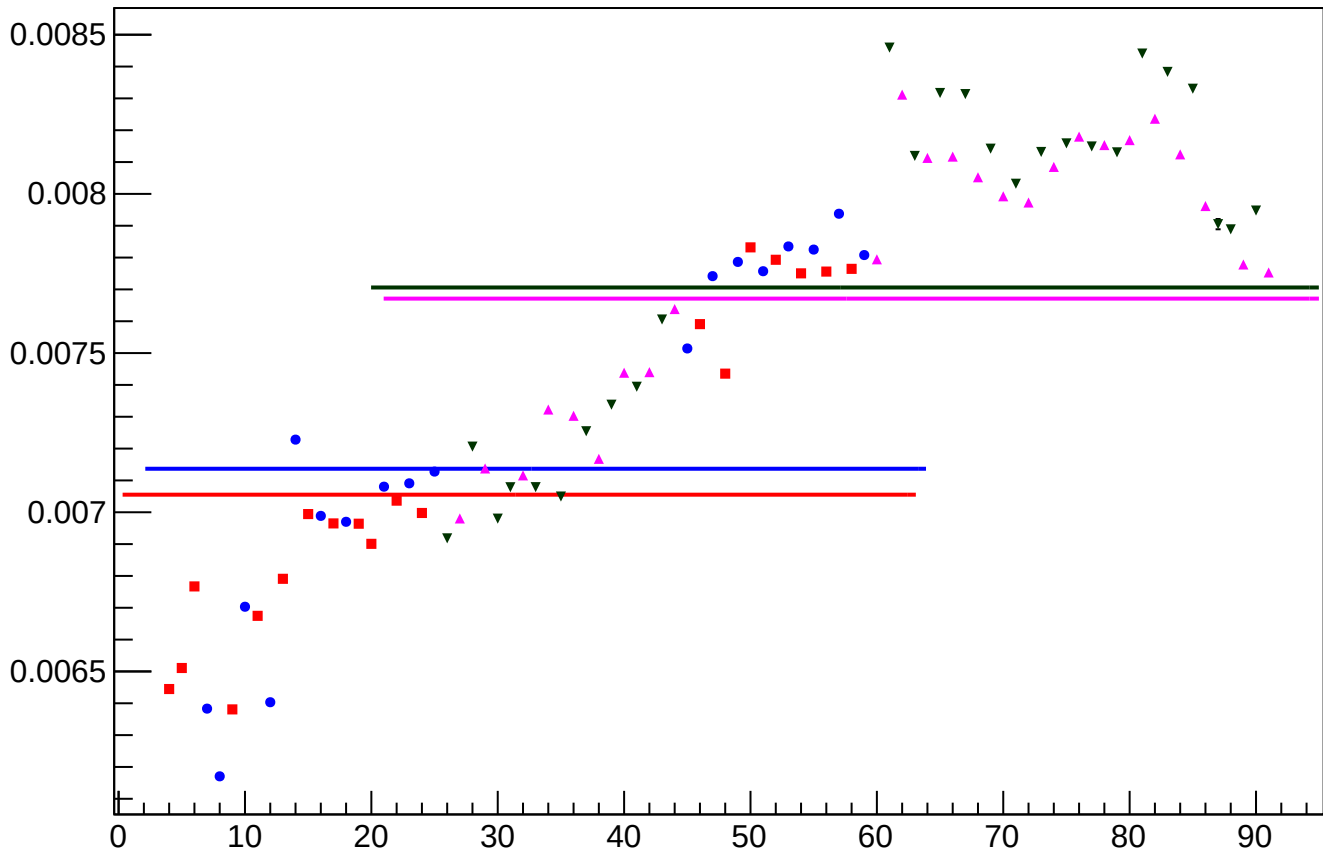
Right Out: -8.084+/-0.000 χ^2/NDF : 99506540389.5/18

Left In: -7.663+/-0.000 χ^2/NDF : 122364488424.6/24

-7.837+/-0.000 χ^2/NDF : 240338463141.4/43

-7.857+/-0.000 χ^2/NDF : 240922729614.7/43

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

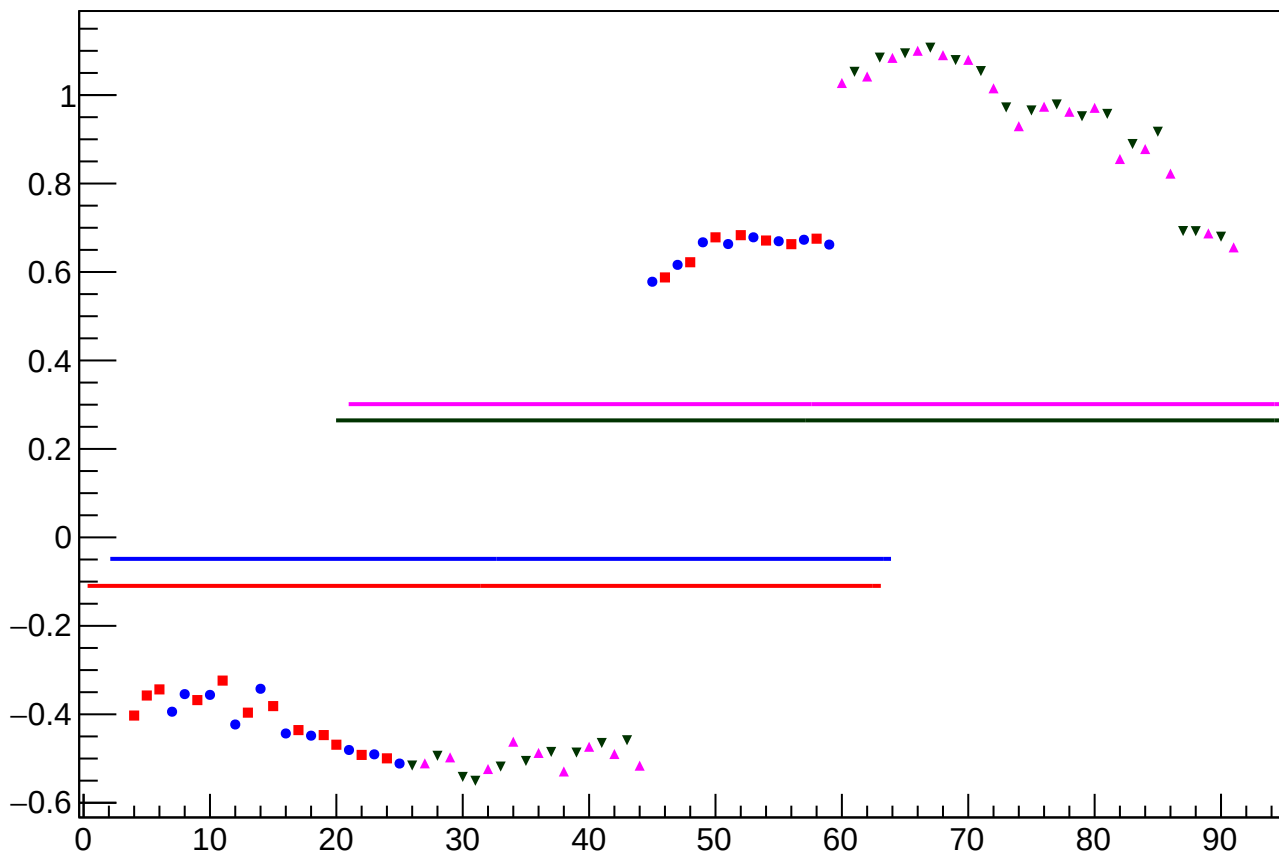
Right Out: 0.007+/-0.000 χ^2/NDF : 88863.4/18

Left In: 0.008+/-0.000 χ^2/NDF :90661.3/24

0.007+/-0.000 χ^2/NDF : 333706.7/43

0.007+/-0.000 χ^2/NDF : 261025.5/43

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

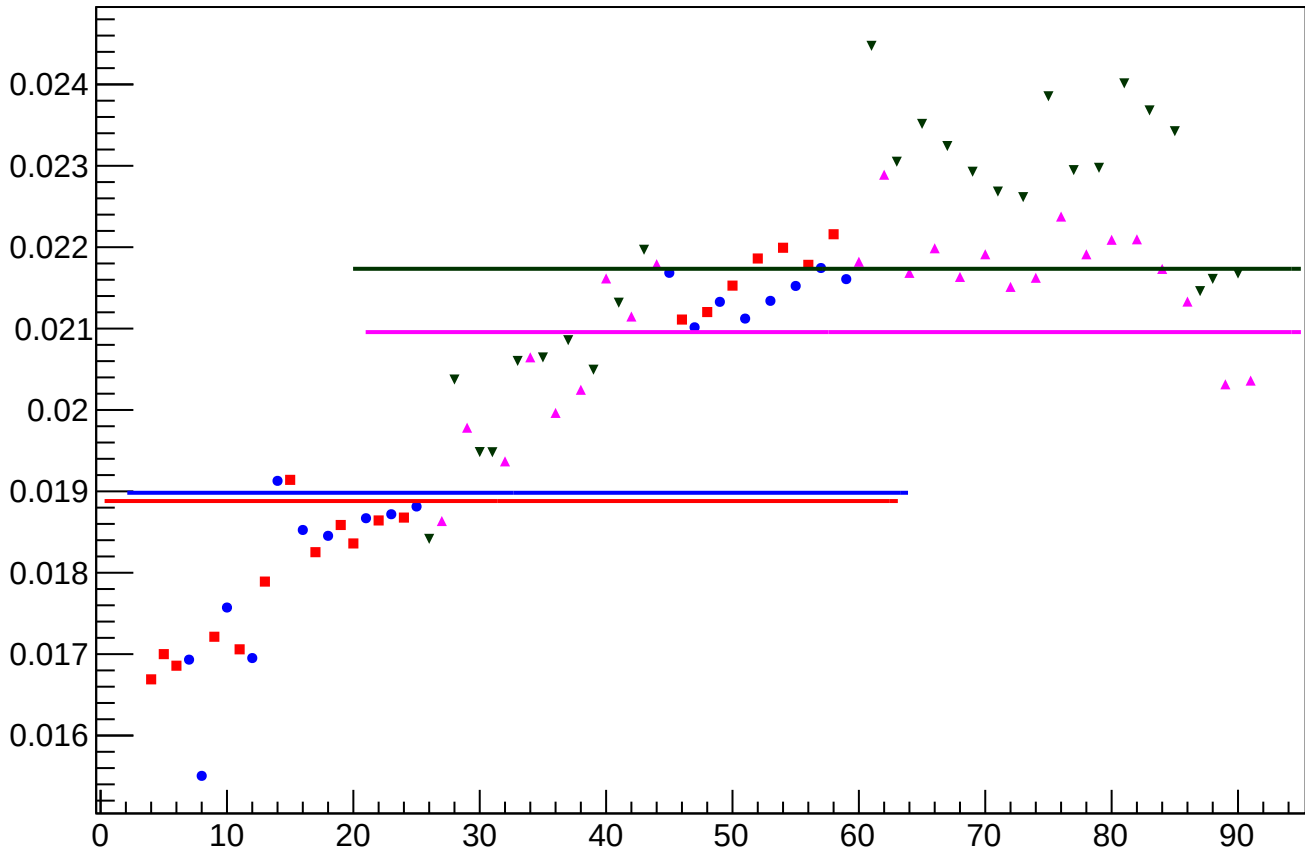
Right Out: -0.110+/-0.000 χ^2/NDF : 6259069670.0/18

Left In: 0.301+/-0.000 χ^2/NDF :16354871886.7/24

0.097+/-0.000 χ^2/NDF : 23788511207.0/43

0.108+/-0.000 χ^2/NDF : 25077191058.5/43

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

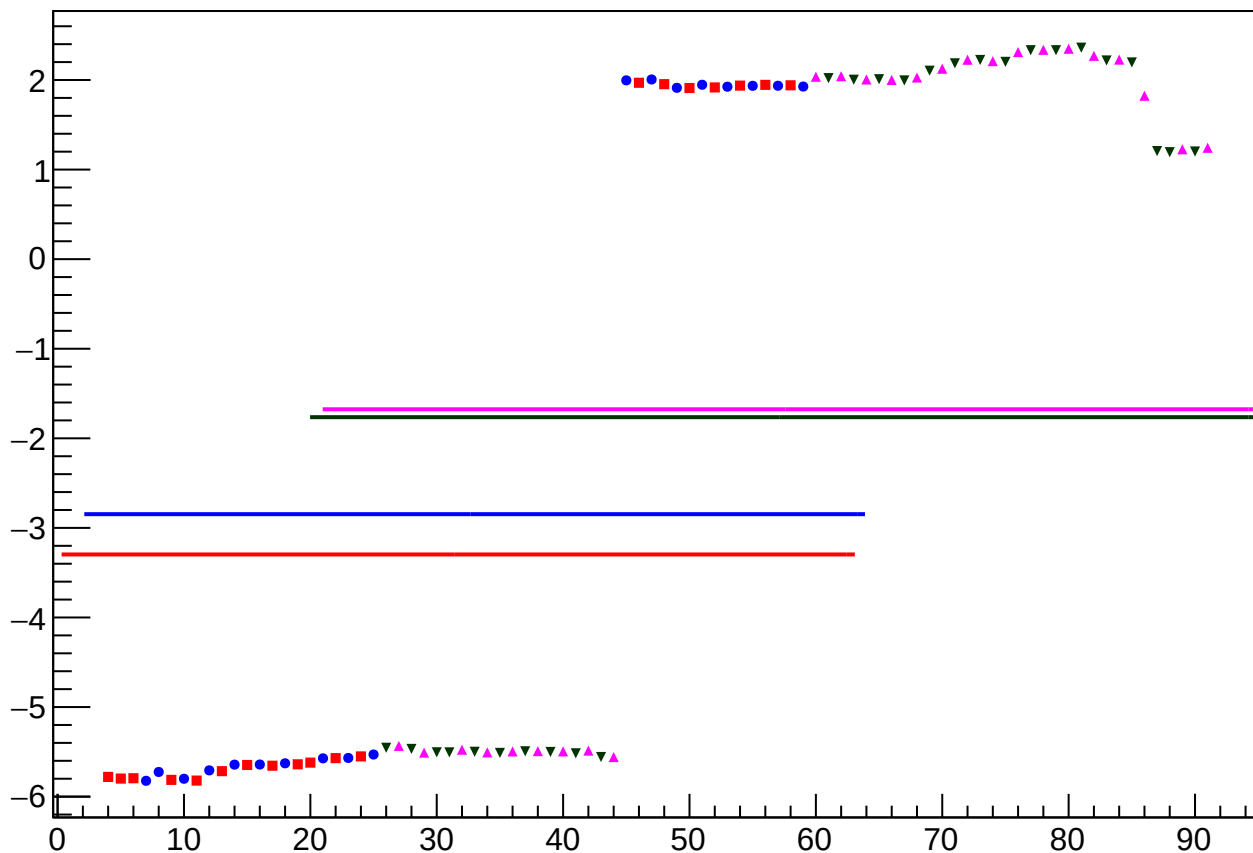
0.020+/-0.000 χ^2/NDF : 610949.2/43

Right Out: 0.019+/-0.000 χ^2/NDF : 190553.3/18

0.020+/-0.000 χ^2/NDF : 398134.1/43

Left In: 0.021+/-0.000 χ^2/NDF :81836.6/24

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

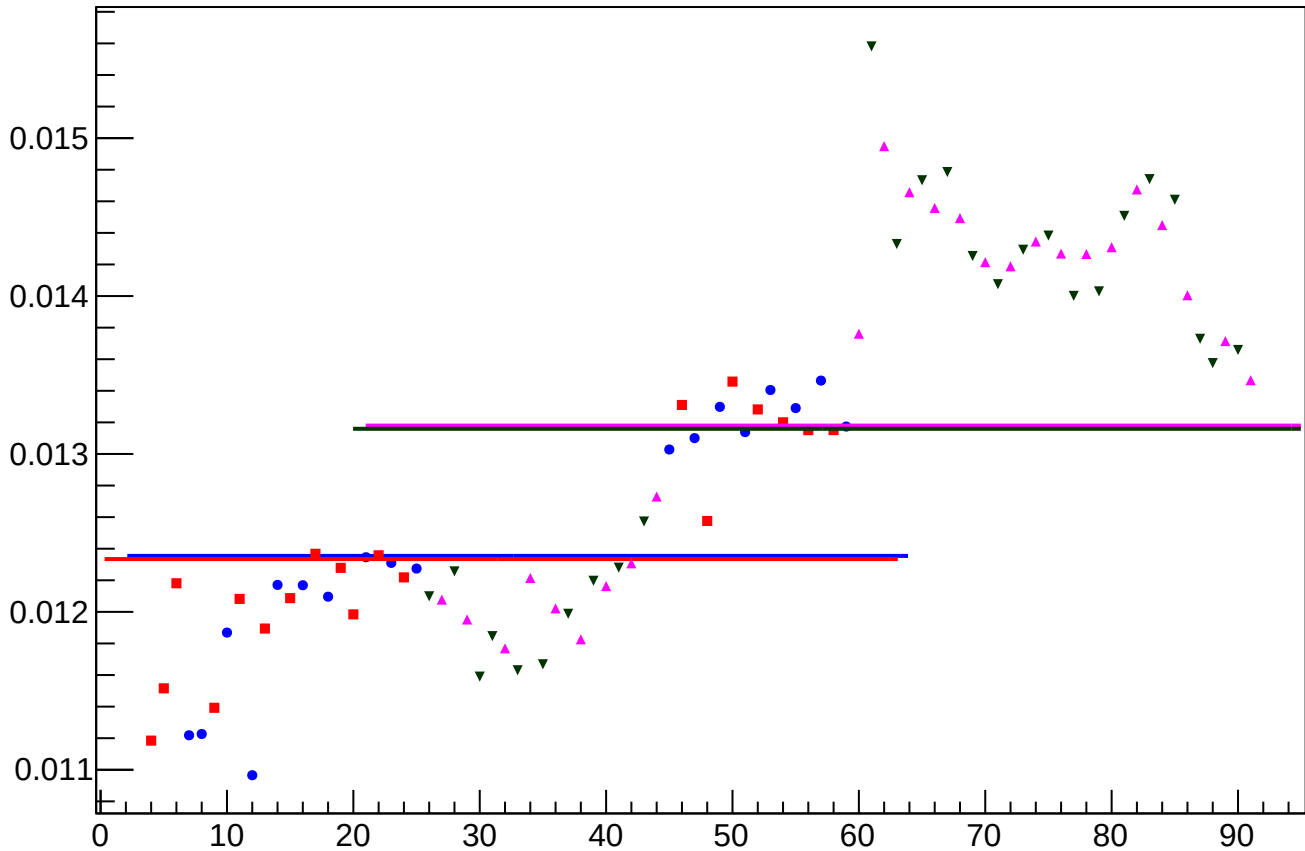
Right Out: -3.297+/-0.000 χ^2/NDF : 819050975647.4/18

Left In: -1.676+/-0.000 χ^2/NDF :1112671240793.6/24

-2.303+/-0.000 χ^2/NDF : 2080472088813.4/43

-2.410+/-0.000 χ^2/NDF : 2025023645067.7/43

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

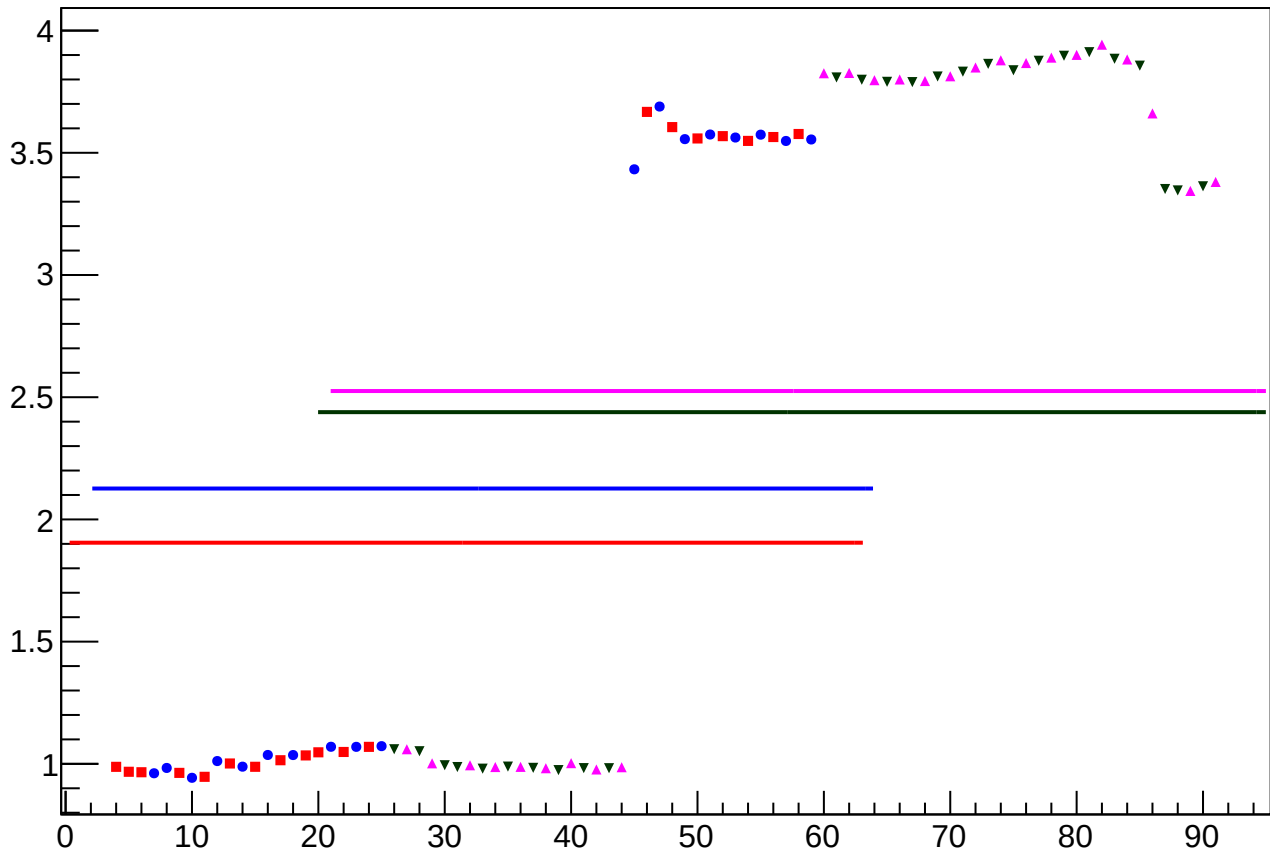
Right Out: 0.012+/-0.000 χ^2/NDF : 54886.5/18

Left In: 0.013+/-0.000 χ^2/NDF : 203345.2/24

0.013+/-0.000 χ^2/NDF : 356617.4/43

0.013+/-0.000 χ^2/NDF : 308990.0/43

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

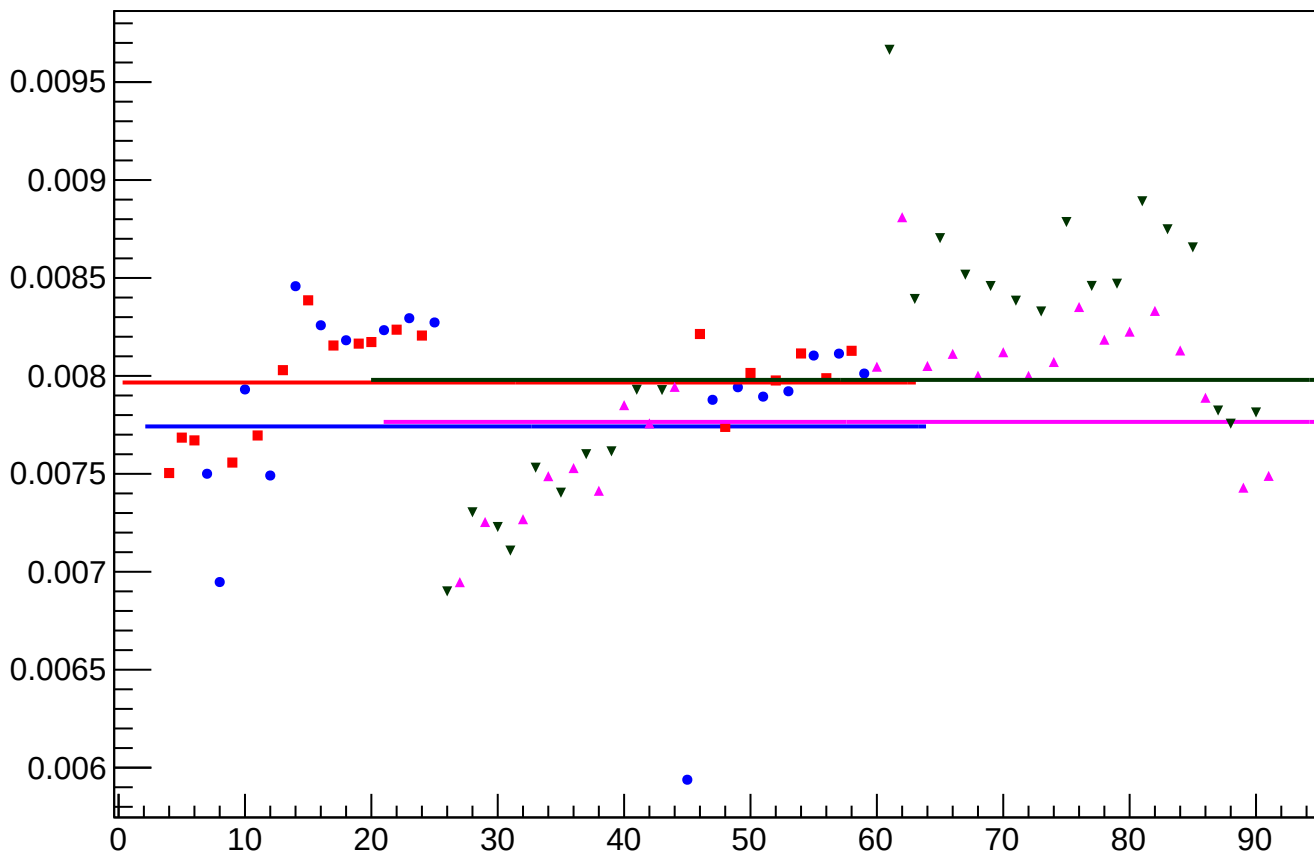
2.289+/-0.000 χ^2/NDF : 685210108521.7/43

Right Out: 1.905+/-0.000 χ^2/NDF : 236022966001.2/18

2.272+/-0.000 χ^2/NDF : 701742616589.3/43

Left In: 2.525+/-0.000 χ^2/NDF : 430378567713.4/24

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

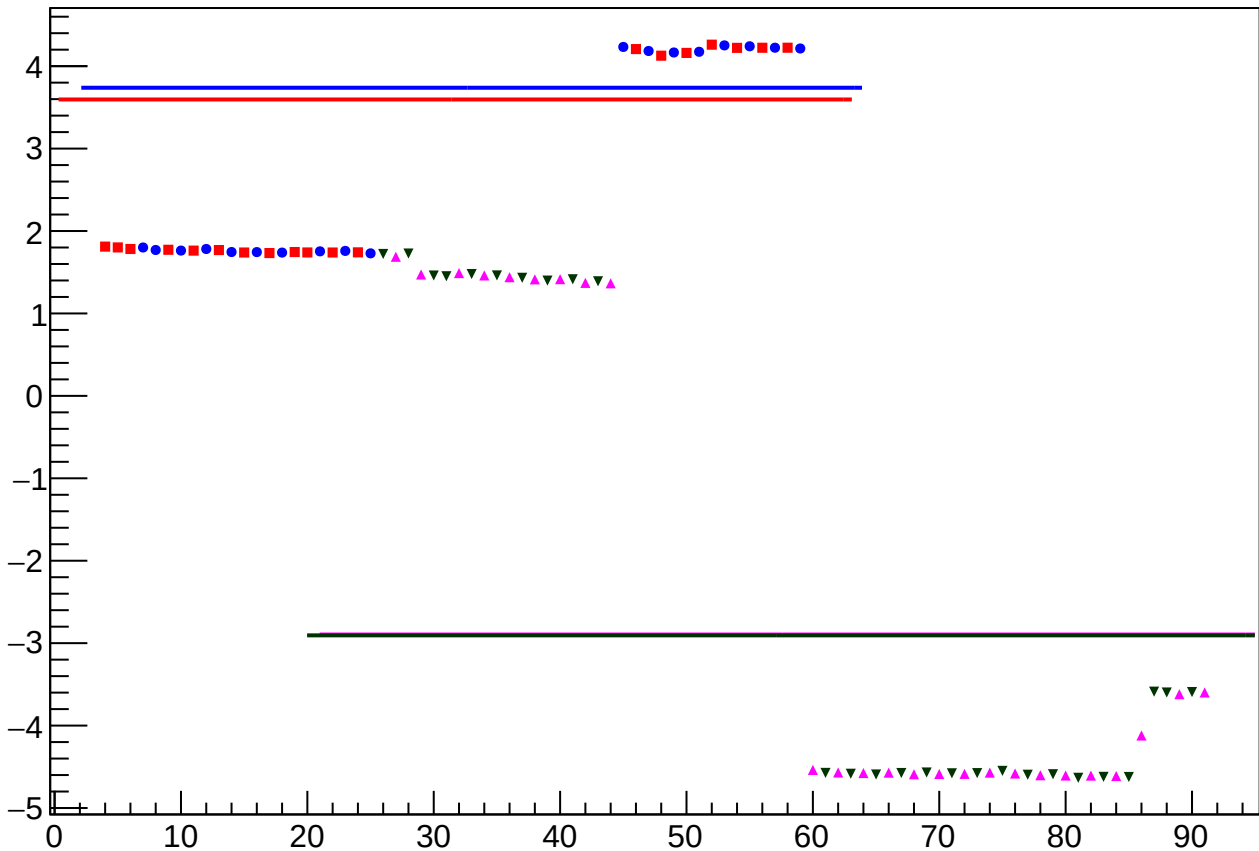
Right Out: 0.008+/-0.000 χ^2/NDF : 20073.5/18

Left In: 0.008+/-0.000 χ^2/NDF :88597.8/24

0.008+/-0.000 χ^2/NDF : 348479.9/43

0.008+/-0.000 χ^2/NDF : 116093.7/43

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

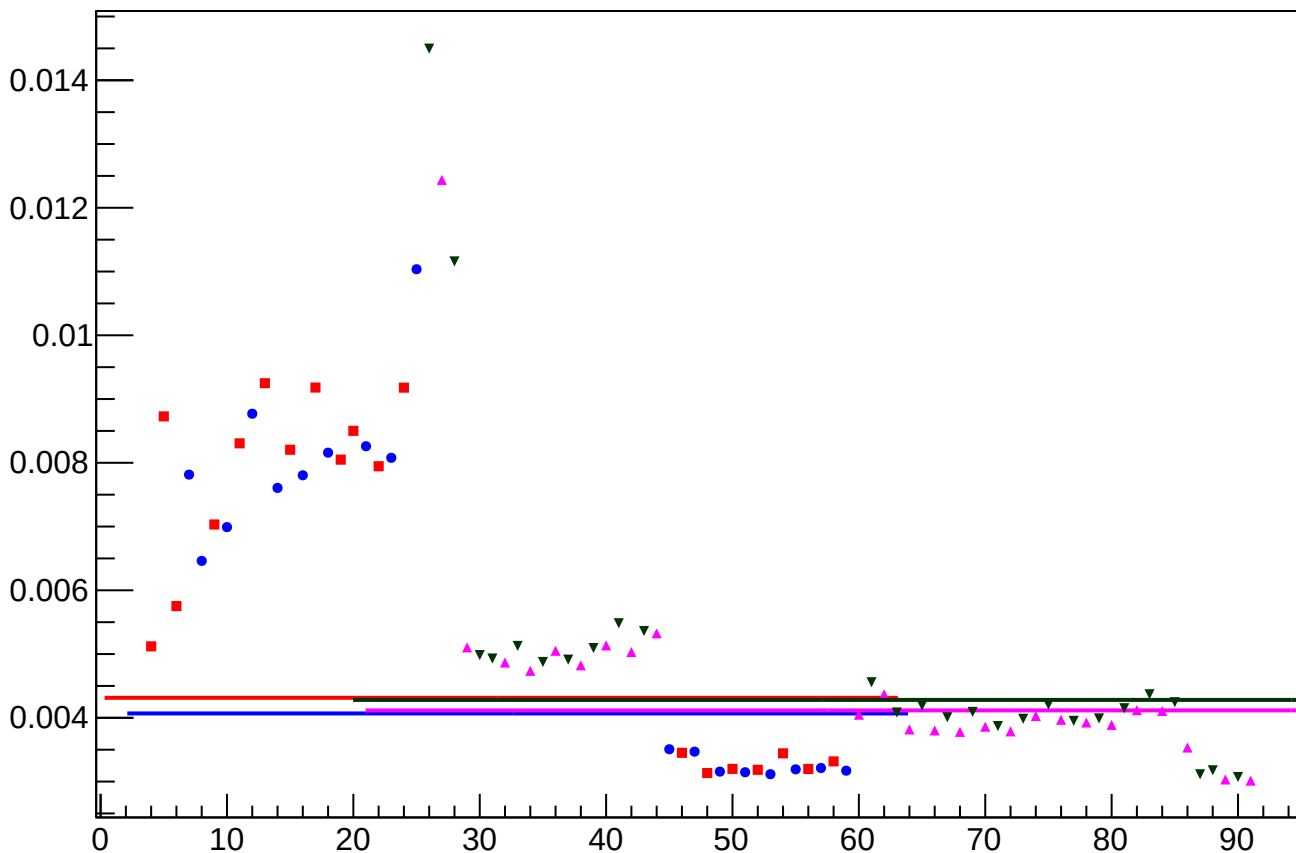
0.161+/-0.000 χ^2/NDF : 17451599918295.5/43

Right Out: 3.596+/-0.000 χ^2/NDF : 468031292414.6/18

-0.537+/-0.000 χ^2/NDF : 16577676925366.0/43

Left In: -2.895+/-0.000 χ^2/NDF : 4825778880099.8/24

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

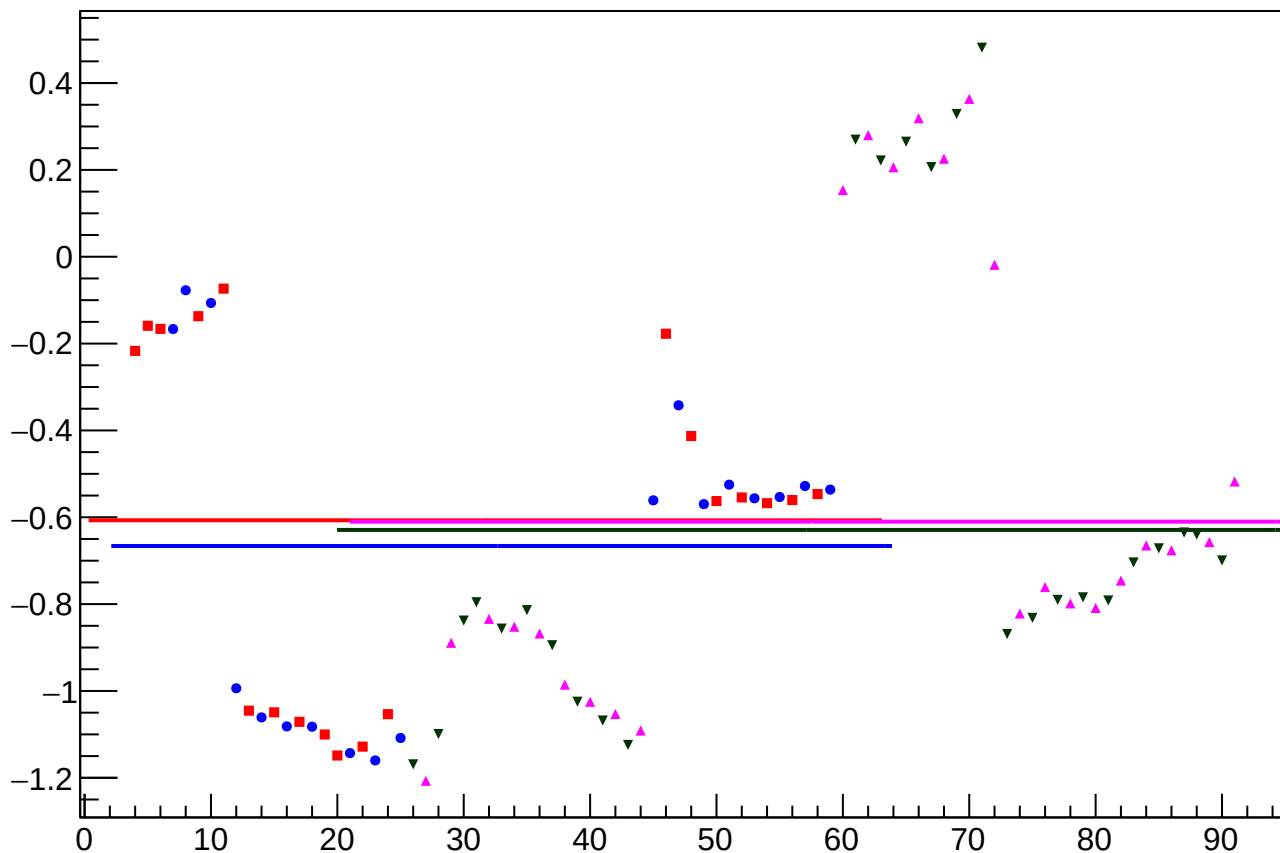
Right Out: 0.004+/-0.000 χ^2/NDF : 3241260.9/18

Left In: 0.004+/-0.000 χ^2/NDF :1235247.0/24

0.004+/-0.000 χ^2/NDF : 4894279.4/43

0.004+/-0.000 χ^2/NDF : 4497420.4/43

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

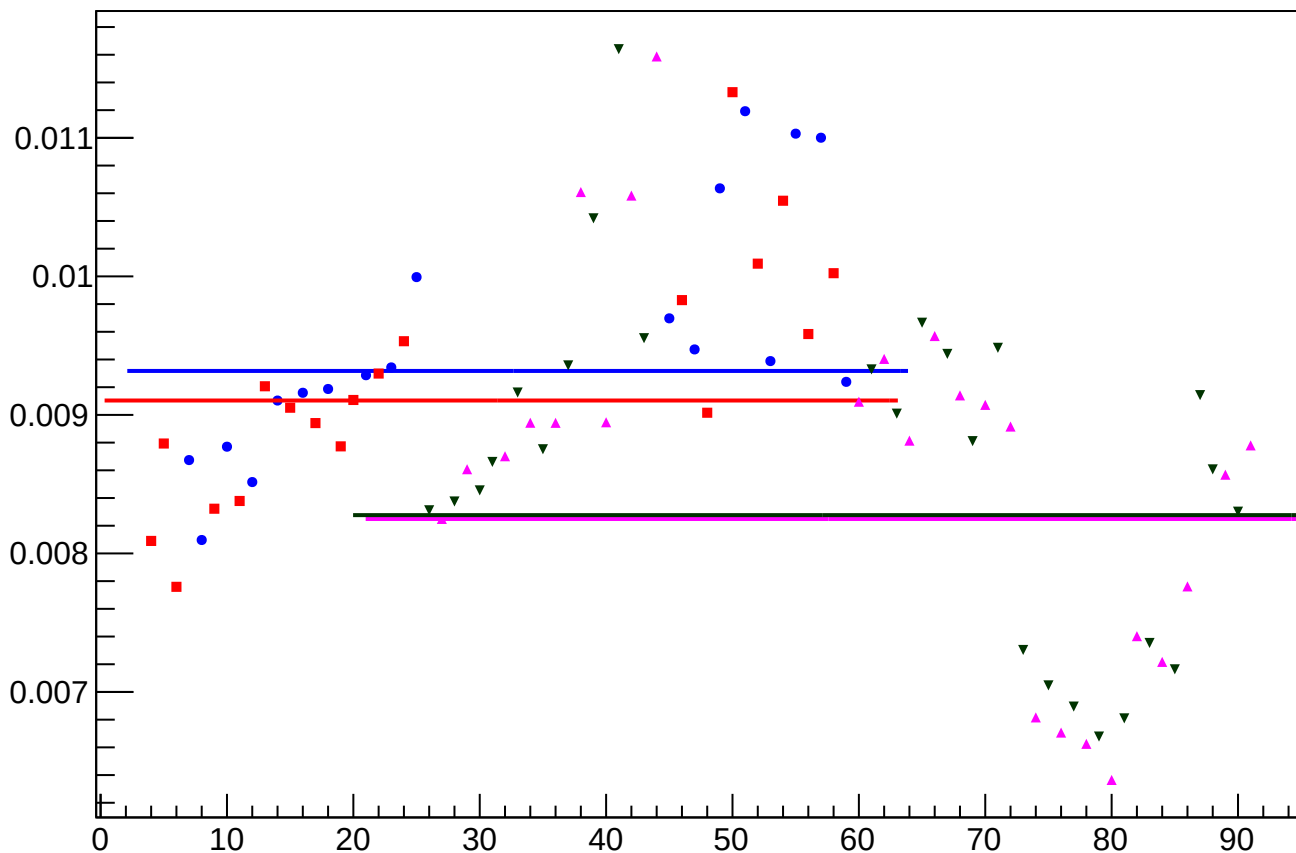
Right Out: -0.607+/-0.000 χ^2/NDF : 19217252419.4/18

Left In: -0.610+/-0.000 χ^2/NDF : 41432013035.7/24

-0.644+/-0.000 χ^2/NDF : 59594947842.9/43

-0.609+/-0.000 χ^2/NDF : 60649999137.7/43

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

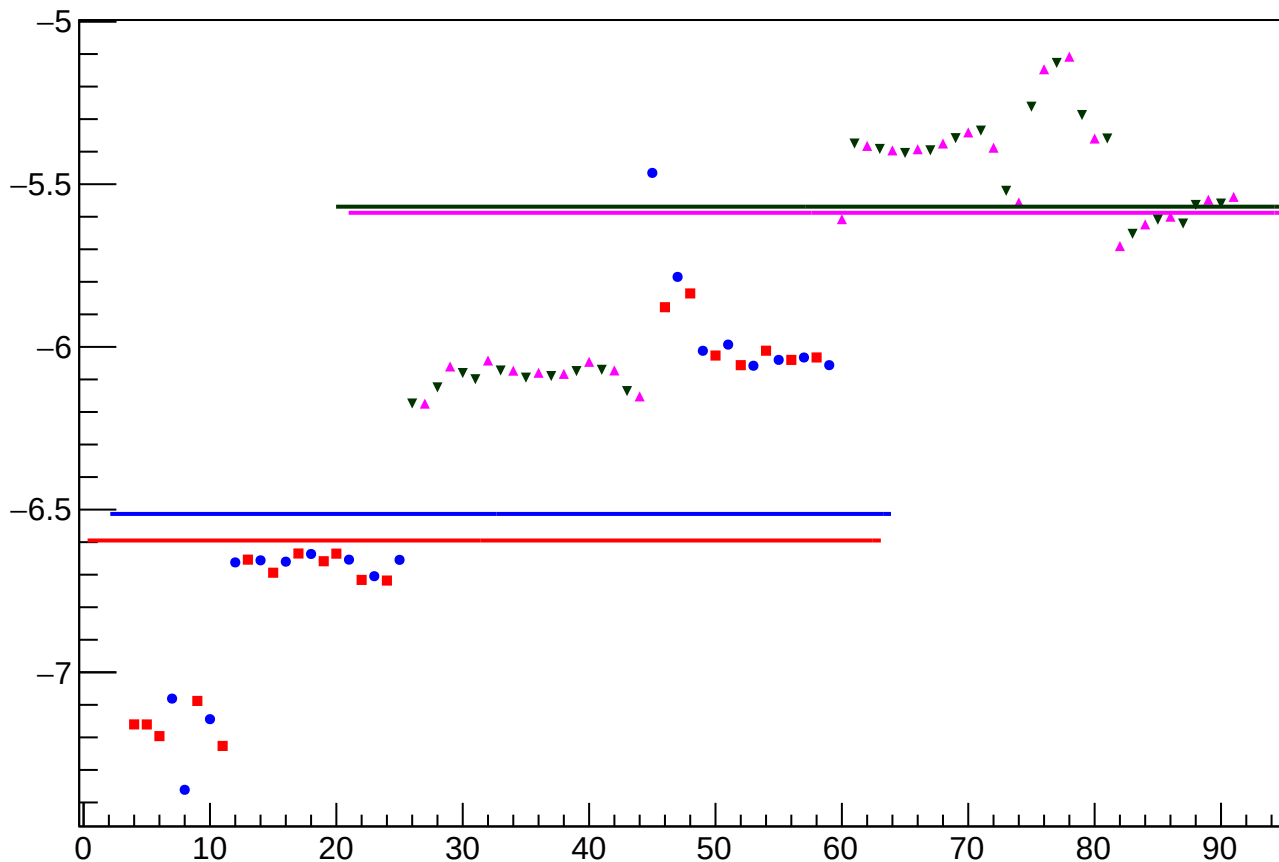
Right Out: 0.009+/-0.000 χ^2/NDF : 159092.9/18

Left In: 0.008+/-0.000 χ^2/NDF : 575122.3/24

0.009+/-0.000 χ^2/NDF : 830275.2/43

0.009+/-0.000 χ^2/NDF : 840935.0/43

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

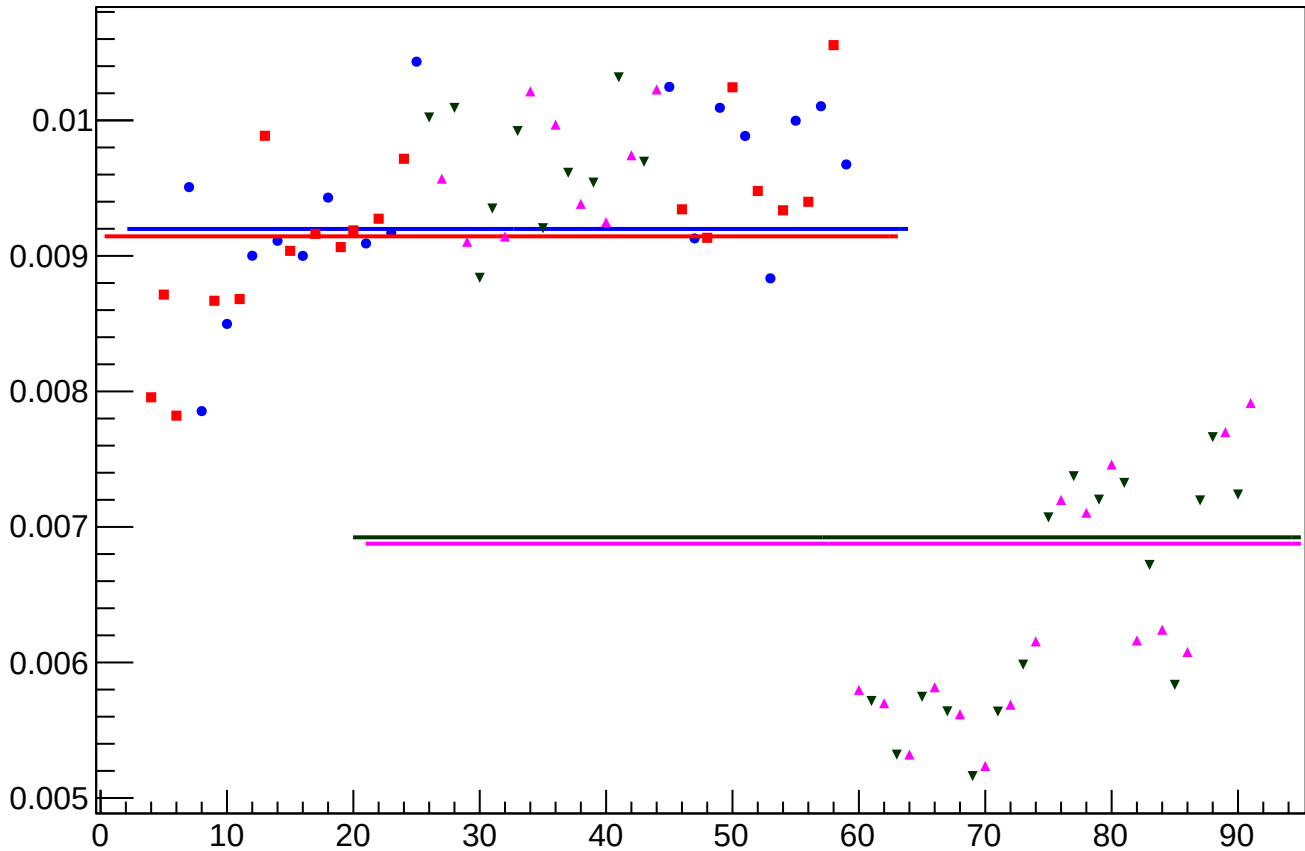
-5.892+/-0.000 χ^2/NDF : 132310472626.9/43

Right Out: -6.595+/-0.000 χ^2/NDF : 25777696502.6/18

-5.888+/-0.000 χ^2/NDF : 130979490767.2/43

Left In: -5.588+/-0.000 χ^2/NDF : 24152950134.5/24

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

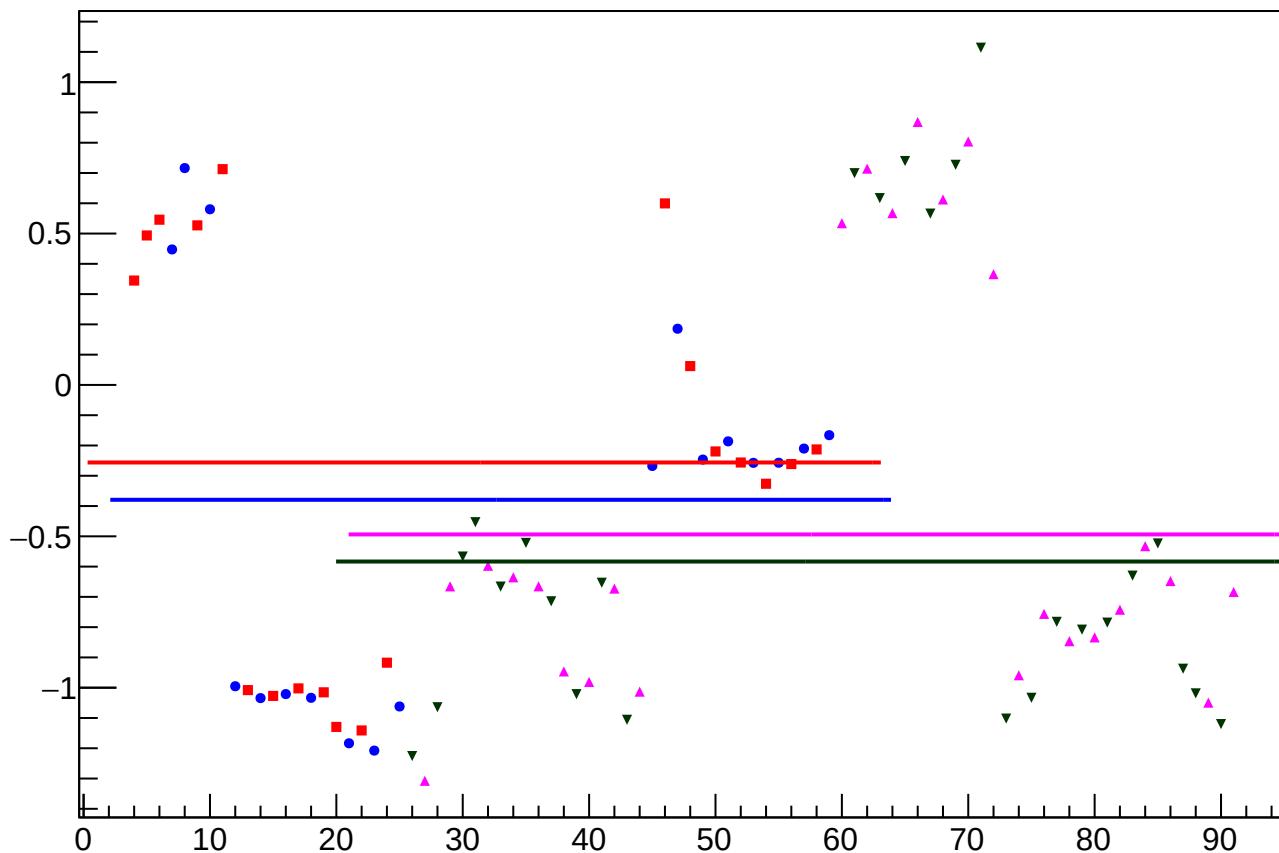
Right Out: 0.009+/-0.000 χ^2/NDF : 101222.8/18

Left In: 0.007+/-0.000 χ^2/NDF :1342854.1/24

0.008+/-0.000 χ^2/NDF : 2299883.6/43

0.008+/-0.000 χ^2/NDF : 2265969.9/43

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

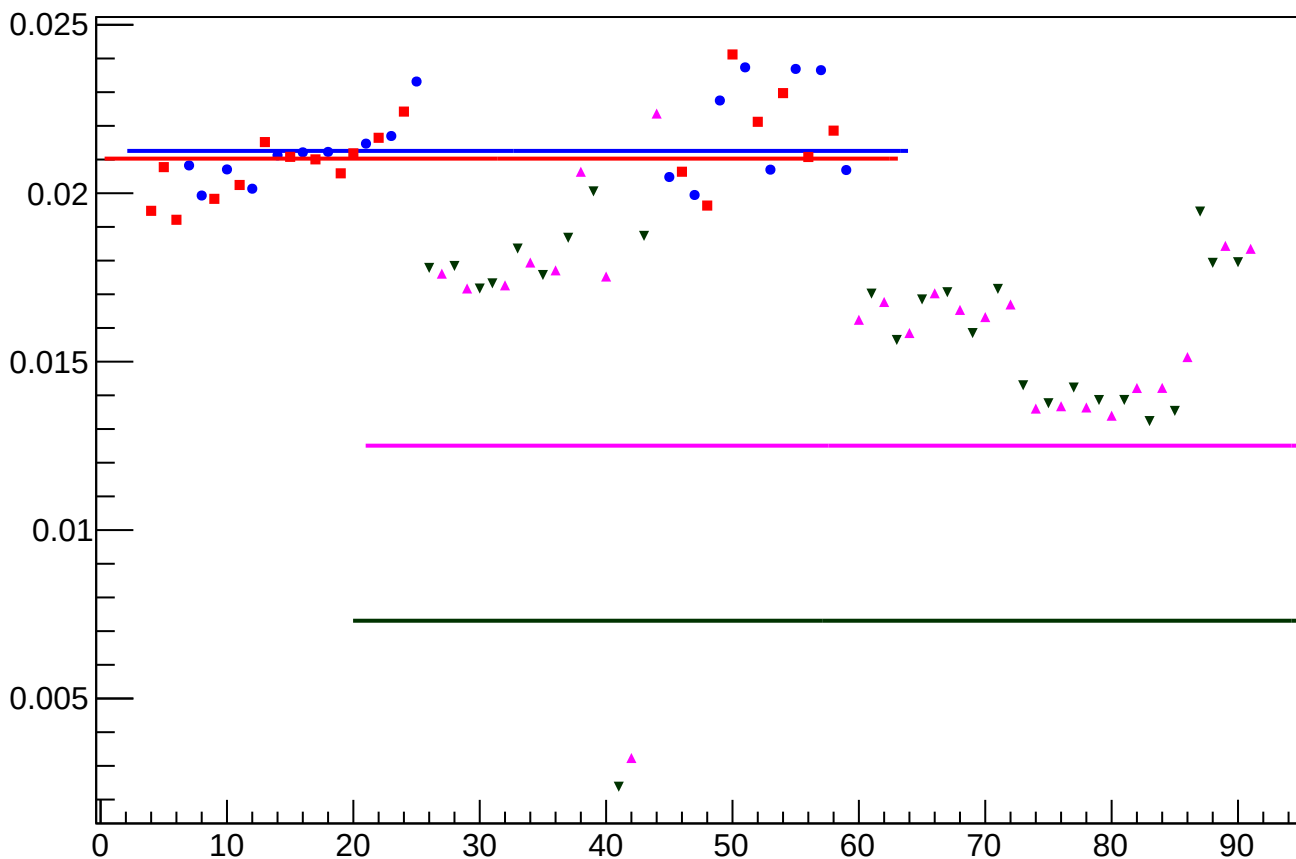
Right Out: -0.256+/-0.000 χ^2/NDF : 10103342122.6/18

Left In: -0.494+/-0.000 χ^2/NDF : 22530908114.8/24

-0.551+/-0.000 χ^2/NDF : 34958626151.6/43

-0.436+/-0.000 χ^2/NDF : 33577724816.9/43

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

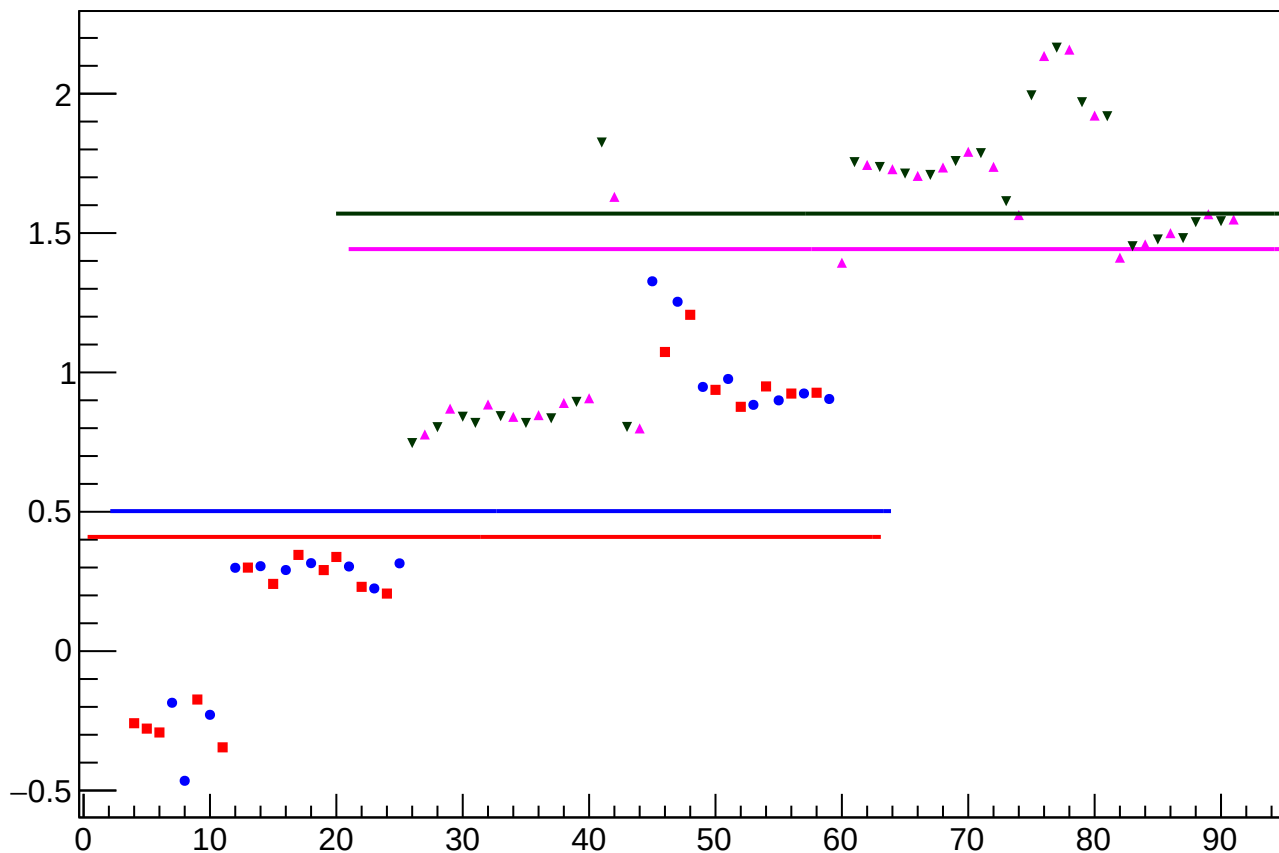
Right Out: 0.021+/-0.000 χ^2/NDF : 62886.6/18

Left In: 0.013+/-0.000 χ^2/NDF : 5008017.8/24

0.010+/-0.000 χ^2/NDF : 19475681.5/43

0.015+/-0.000 χ^2/NDF : 7496214.8/43

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

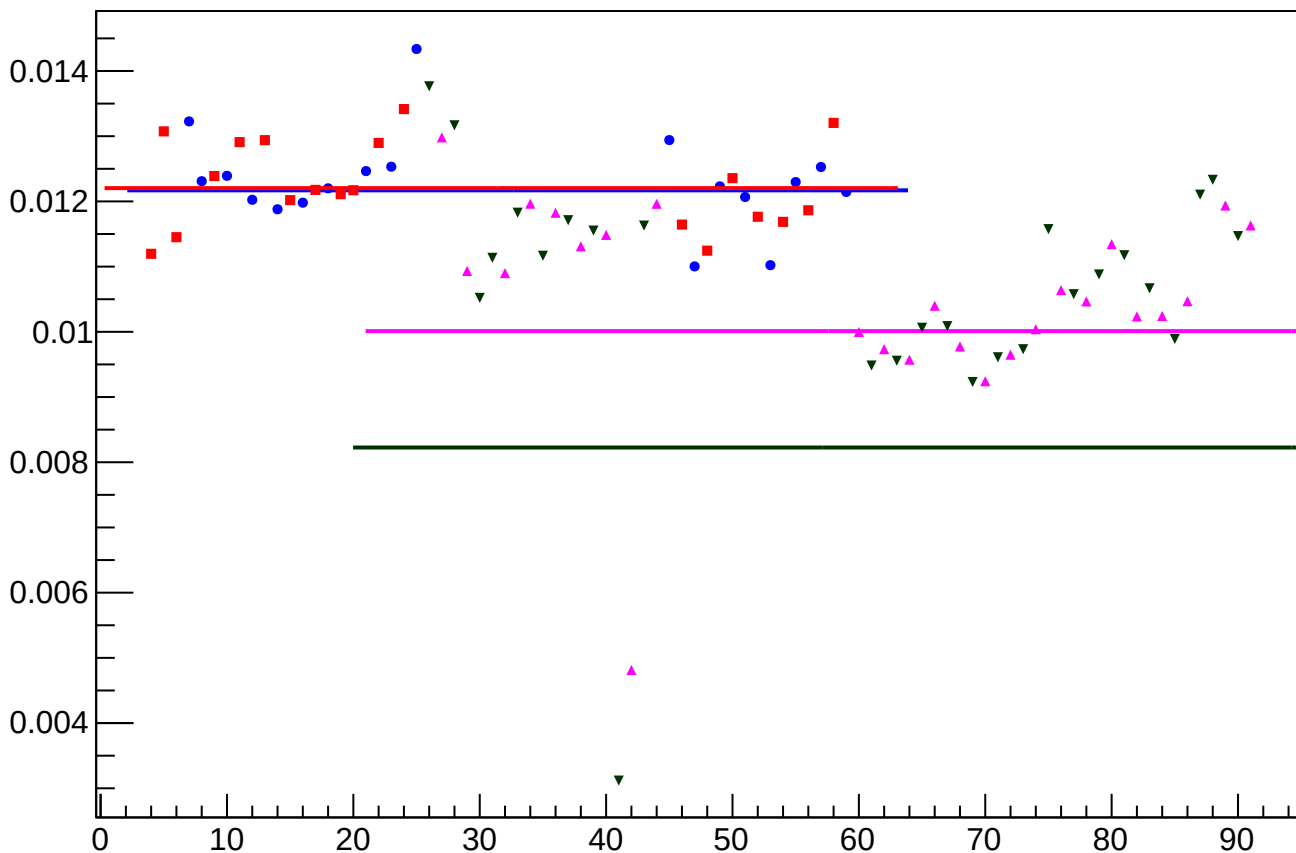
Right Out: 0.410 $\pm$ 0.000 χ^2 /NDF: 16439315084.0/18

Left In: 1.442 $\pm$ 0.000 χ^2 /NDF: 21945265402.1/24

1.225 $\pm$ 0.000 χ^2 /NDF: 102439324245.0/43

1.096 $\pm$ 0.000 χ^2 /NDF: 84179619817.9/43

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

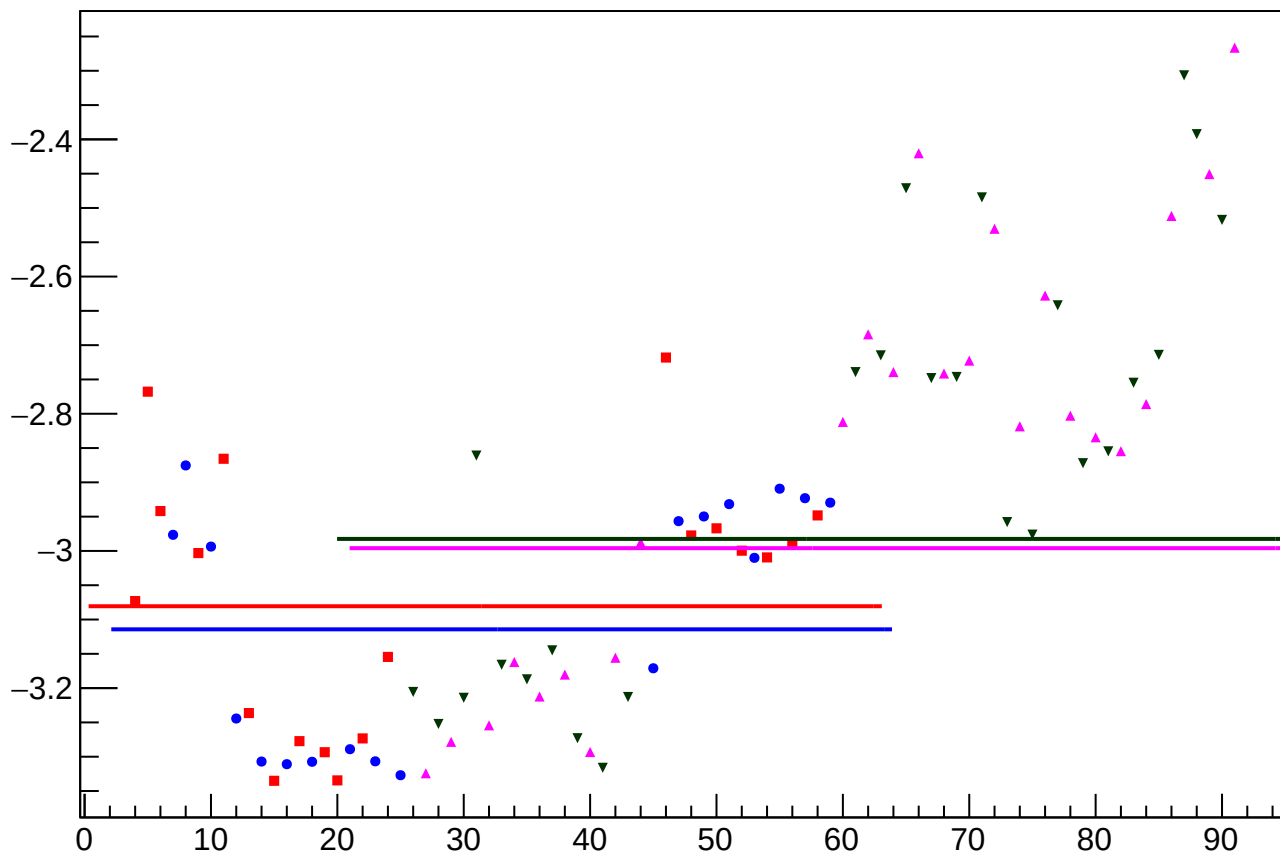
0.010 $\pm$ 0.000 χ^2 /NDF: 5818837.3/43

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 53181.0/18

0.011 $\pm$ 0.000 χ^2 /NDF: 1533128.1/43

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:1066876.0/24

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

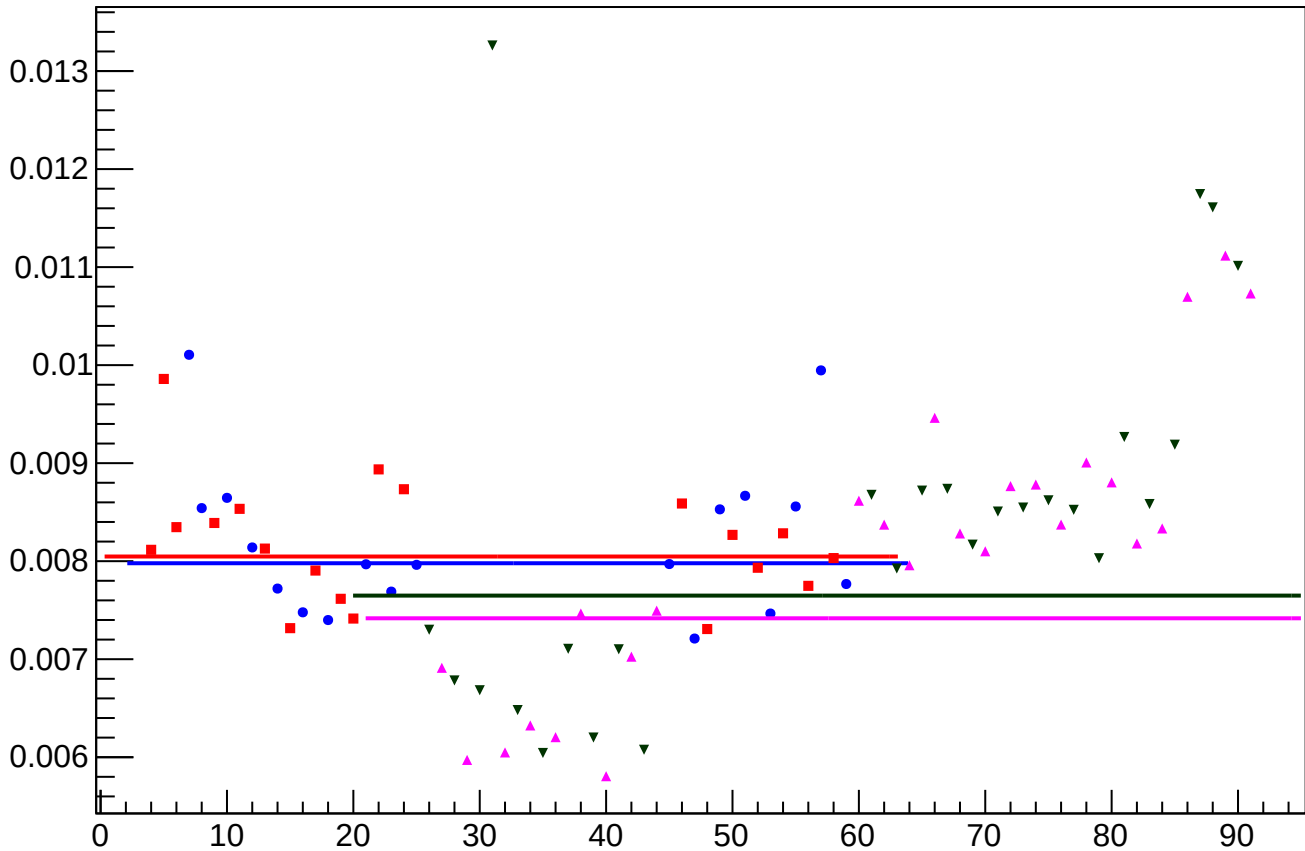
Right Out: -3.081+/-0.000 χ^2/NDF : 3839311184.0/18

Left In: -2.996+/-0.000 χ^2/NDF : 18018372318.5/24

-3.041+/-0.000 χ^2/NDF : 20675624604.2/43

-3.028+/-0.000 χ^2/NDF : 22431449206.8/43

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

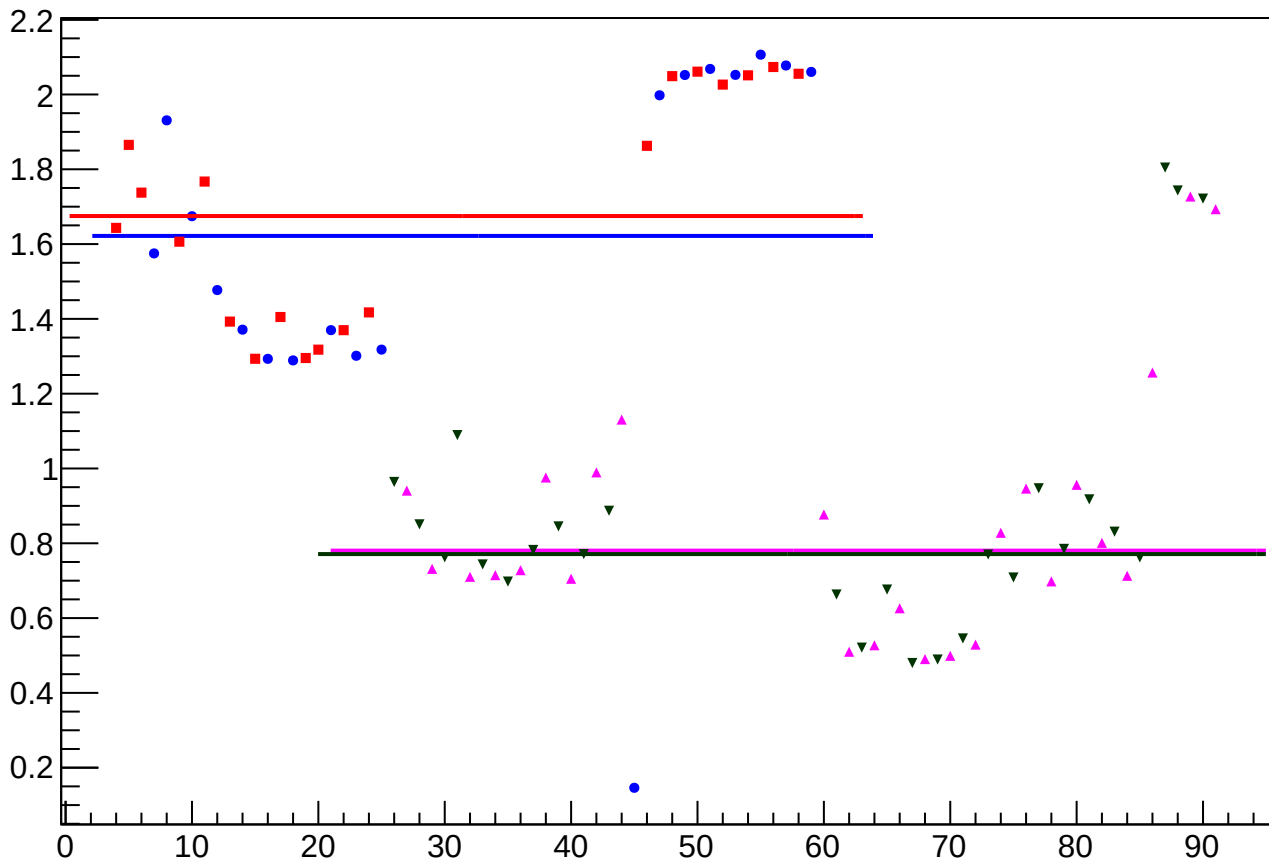
Right Out: 0.008+/-0.000 χ^2/NDF : 57509.8/18

Left In: 0.007+/-0.000 χ^2/NDF : 762841.6/24

0.008+/-0.000 χ^2/NDF : 814718.8/43

0.008+/-0.000 χ^2/NDF : 883948.2/43

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

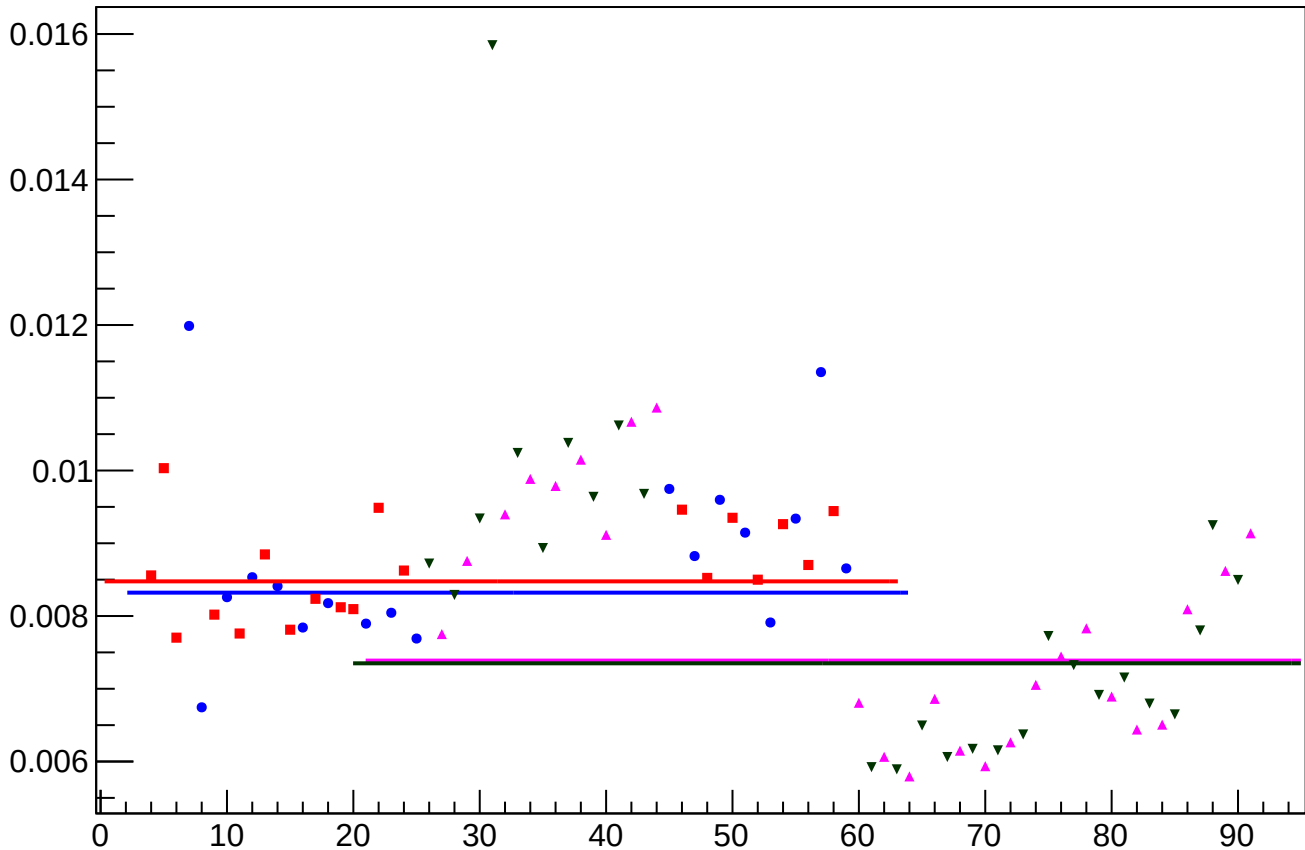
1.116 $\pm$ 0.000 χ^2 /NDF: 100079889903.7/43

Right Out: 1.675 $\pm$ 0.000 χ^2 /NDF: 9809193440.2/18

1.096 $\pm$ 0.000 χ^2 /NDF: 85706975969.0/43

Left In: 0.780 $\pm$ 0.000 χ^2 /NDF:16966565045.8/24

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

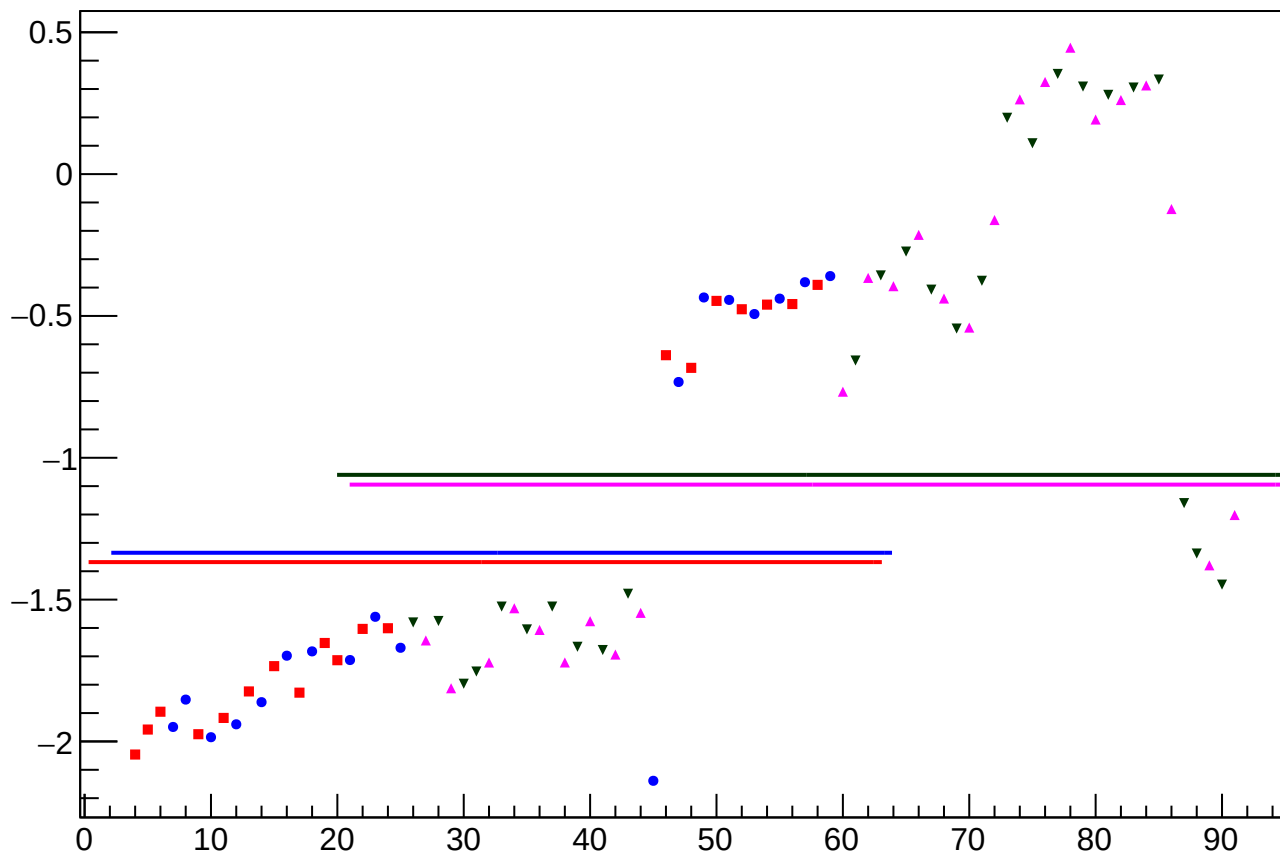
Right Out: 0.008+/-0.000 χ^2/NDF : 80155.6/18

Left In: 0.007+/-0.000 χ^2/NDF : 829643.6/24

0.008+/-0.000 χ^2/NDF : 1317655.7/43

0.008+/-0.000 χ^2/NDF : 1084512.6/43

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

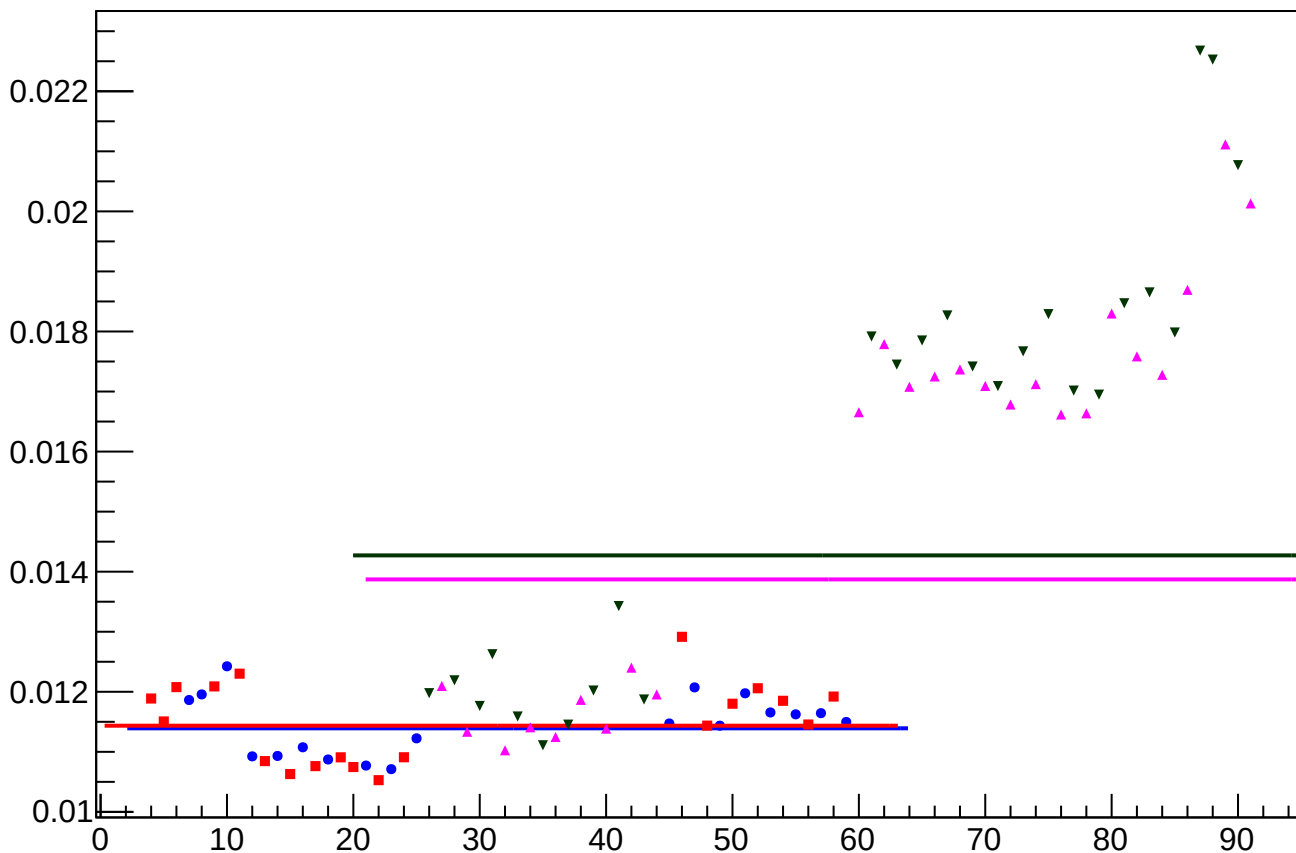
Right Out: -1.368 ± 0.000 χ^2/NDF : 29057521992.7/18

Left In: -1.095 ± 0.000 χ^2/NDF : 41789860661.3/24

-1.223 ± 0.000 χ^2/NDF : 76445154148.4/43

-1.238 ± 0.000 χ^2/NDF : 73500115316.9/43

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

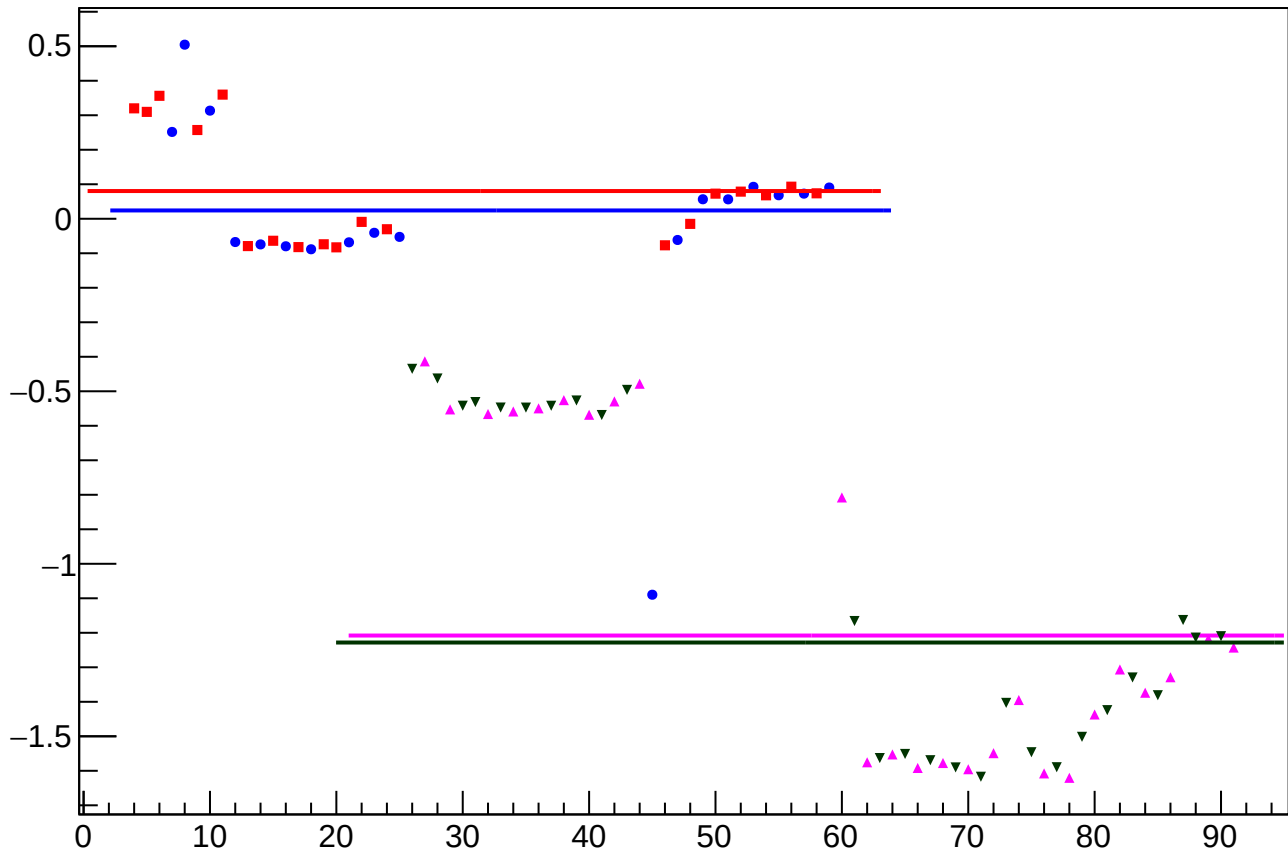
Right Out: 0.011+/-0.000 χ^2/NDF : 65676.1/18

Left In: 0.014+/-0.000 χ^2/NDF :1212568.0/24

0.013+/-0.000 χ^2/NDF : 1758477.5/43

0.013+/-0.000 χ^2/NDF : 1700115.5/43

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

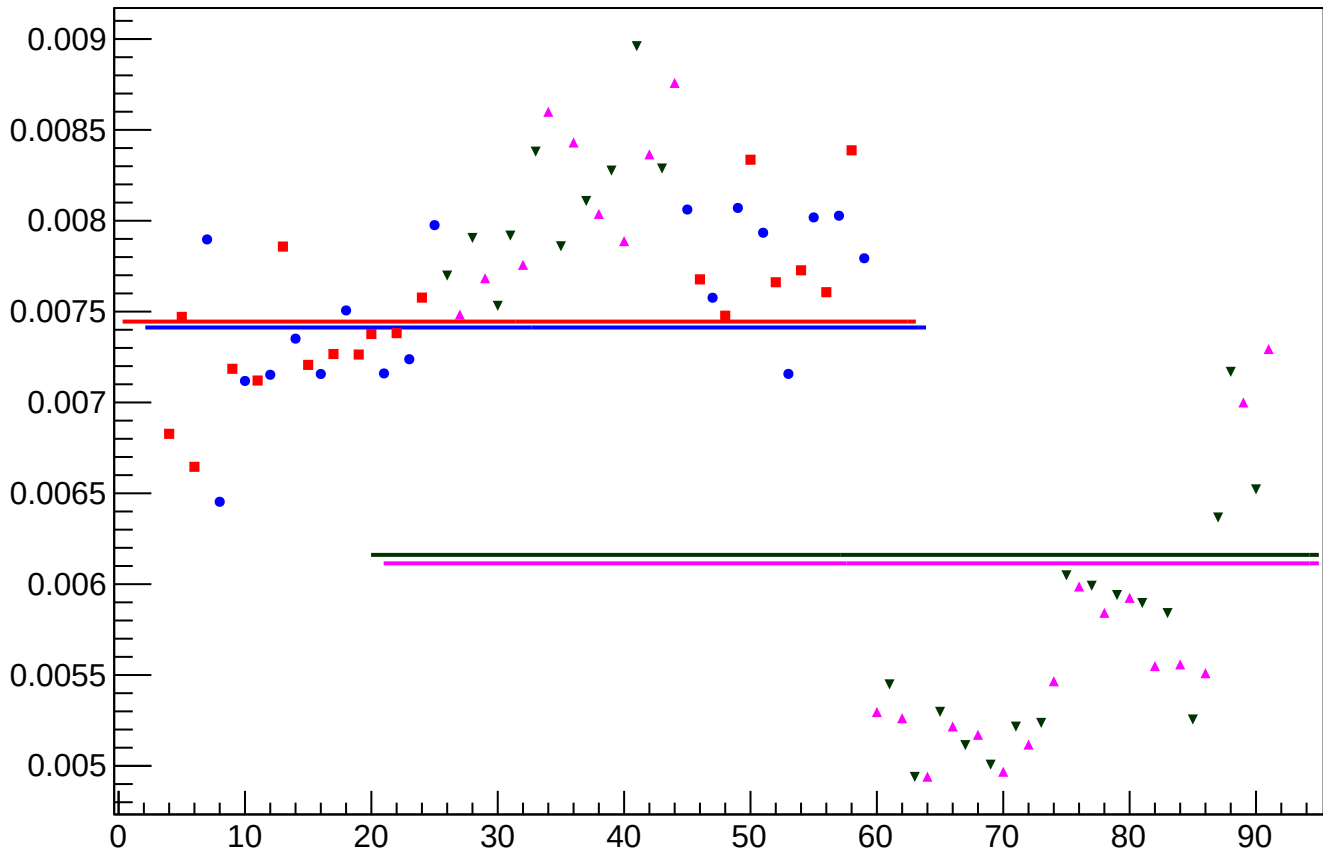
-0.746+/-0.000 χ^2/NDF : 267265408669.8/43

Right Out: 0.080+/-0.000 χ^2/NDF : 4561023053.2/18

-0.780+/-0.000 χ^2/NDF : 261844313741.7/43

Left In: -1.208+/-0.000 χ^2/NDF : 66033405755.2/24

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

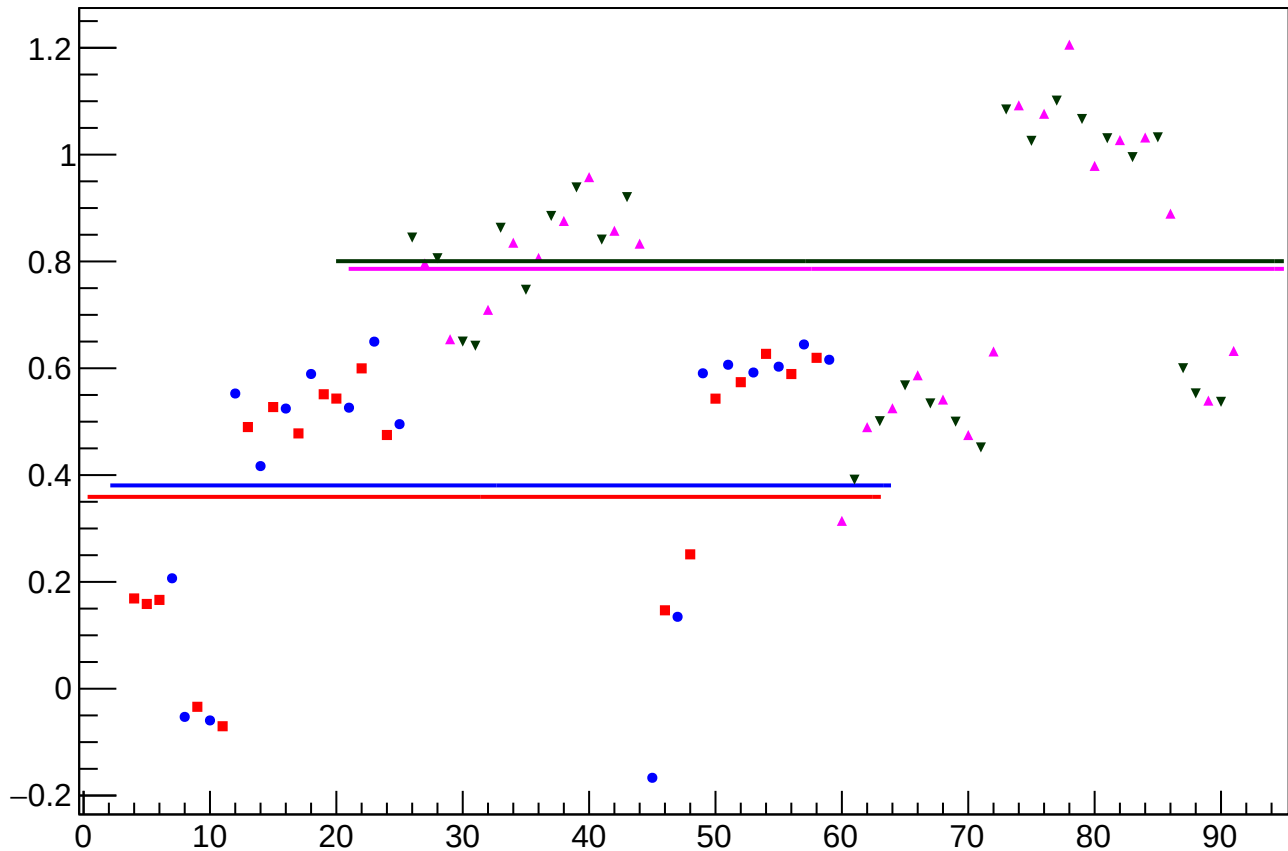
Right Out: 0.007+/-0.000 χ^2/NDF : 61122.7/18

Left In: 0.006+/-0.000 χ^2/NDF : 980494.8/24

0.007+/-0.000 χ^2/NDF : 1391882.0/43

0.007+/-0.000 χ^2/NDF : 1449629.4/43

yield_bpm0l05X_mean vs slug



Right In: 0.381 ± 0.000 χ^2/NDF : 17766233664.3/17

Left Out: 0.801 ± 0.000 χ^2/NDF : 11428771157.5/25

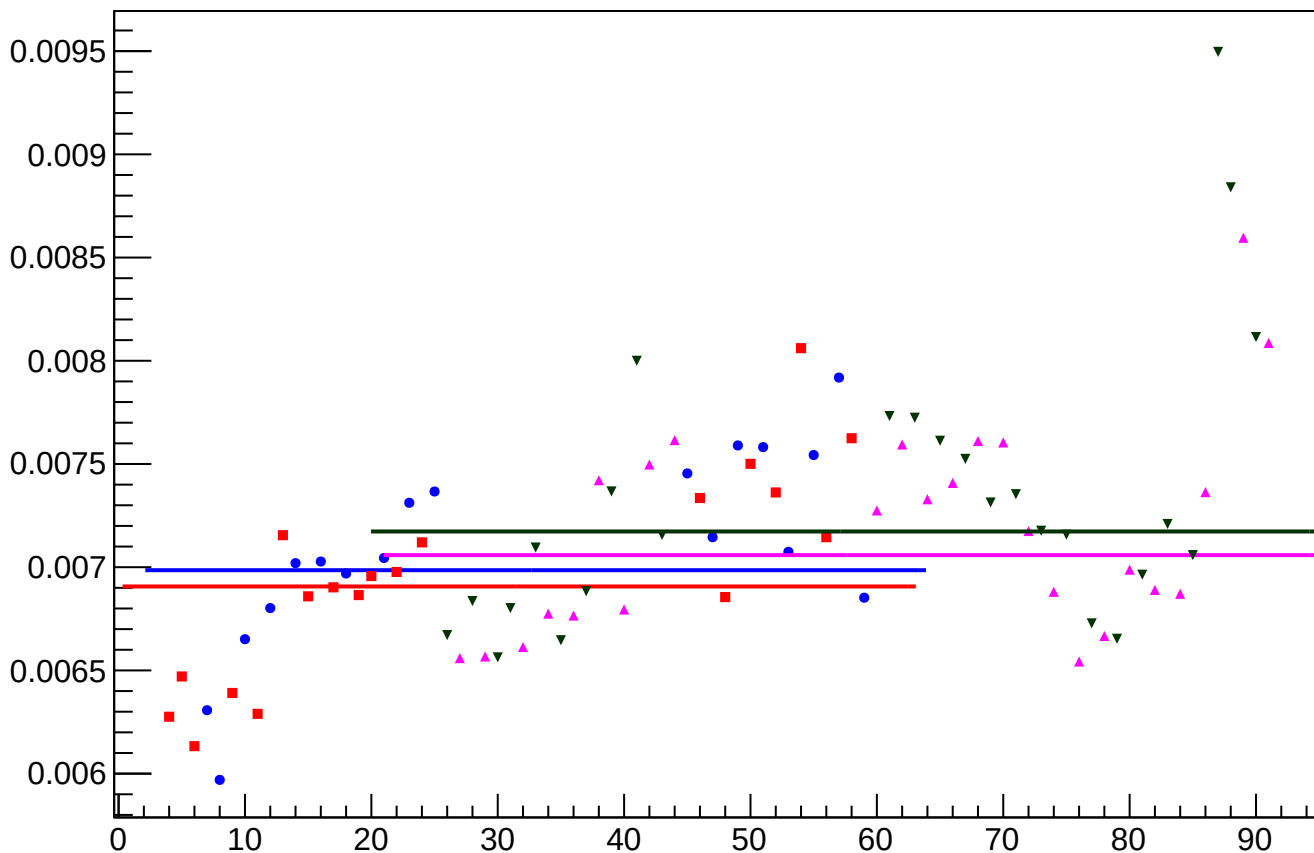
Right Out: 0.359 ± 0.000 χ^2/NDF : 11904326957.3/18

Left In: 0.786 ± 0.000 χ^2/NDF : 12700821354.9/24

0.599 ± 0.000 χ^2/NDF : 49791542280.4/43

0.603 ± 0.000 χ^2/NDF : 45727654517.5/43

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

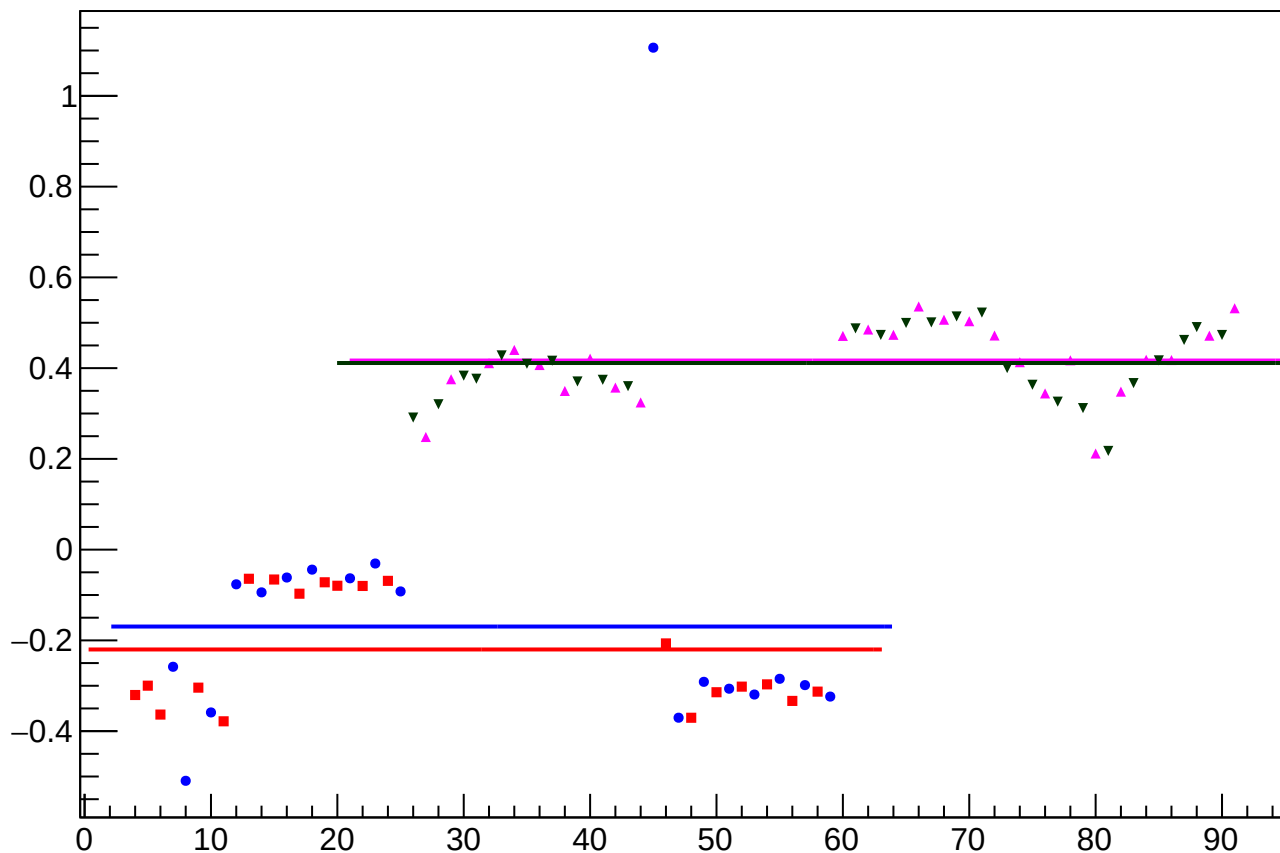
Right Out: 0.007+/-0.000 χ^2/NDF : 97555.6/18

Left In: 0.007+/-0.000 χ^2/NDF :118882.9/24

0.007+/-0.000 χ^2/NDF : 236007.8/43

0.007+/-0.000 χ^2/NDF : 221779.4/43

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

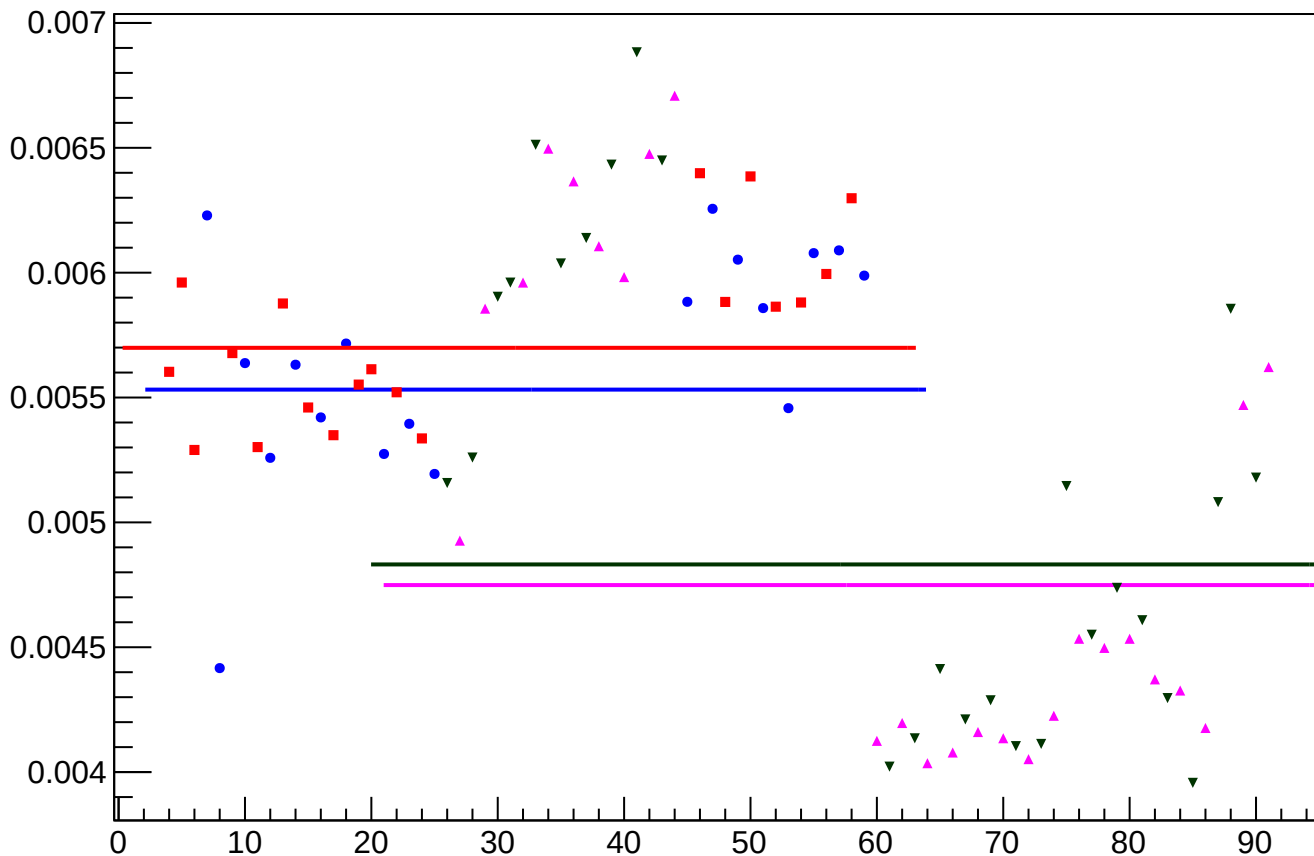
Right Out: -0.220+/-0.000 χ^2/NDF : 4721801975.9/18

Left In: 0.417+/-0.000 χ^2/NDF :4036499143.1/24

0.175+/-0.000 χ^2/NDF : 110978309131.3/43

0.202+/-0.000 χ^2/NDF : 87411713108.7/43

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

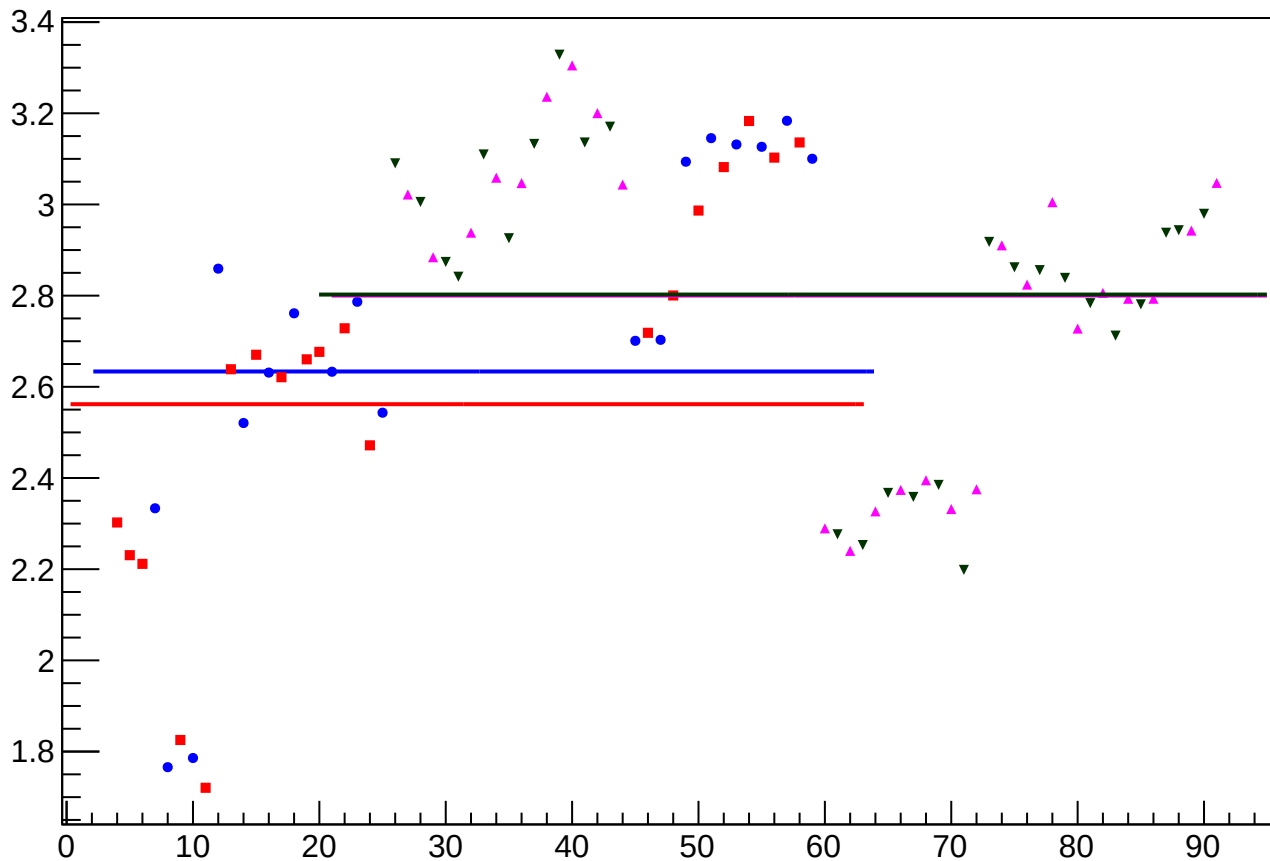
Right Out: 0.006+/-0.000 χ^2/NDF : 66415.4/18

Left In: 0.005+/-0.000 χ^2/NDF : 778331.3/24

0.005+/-0.000 χ^2/NDF : 1126695.3/43

0.005+/-0.000 χ^2/NDF : 1194987.4/43

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

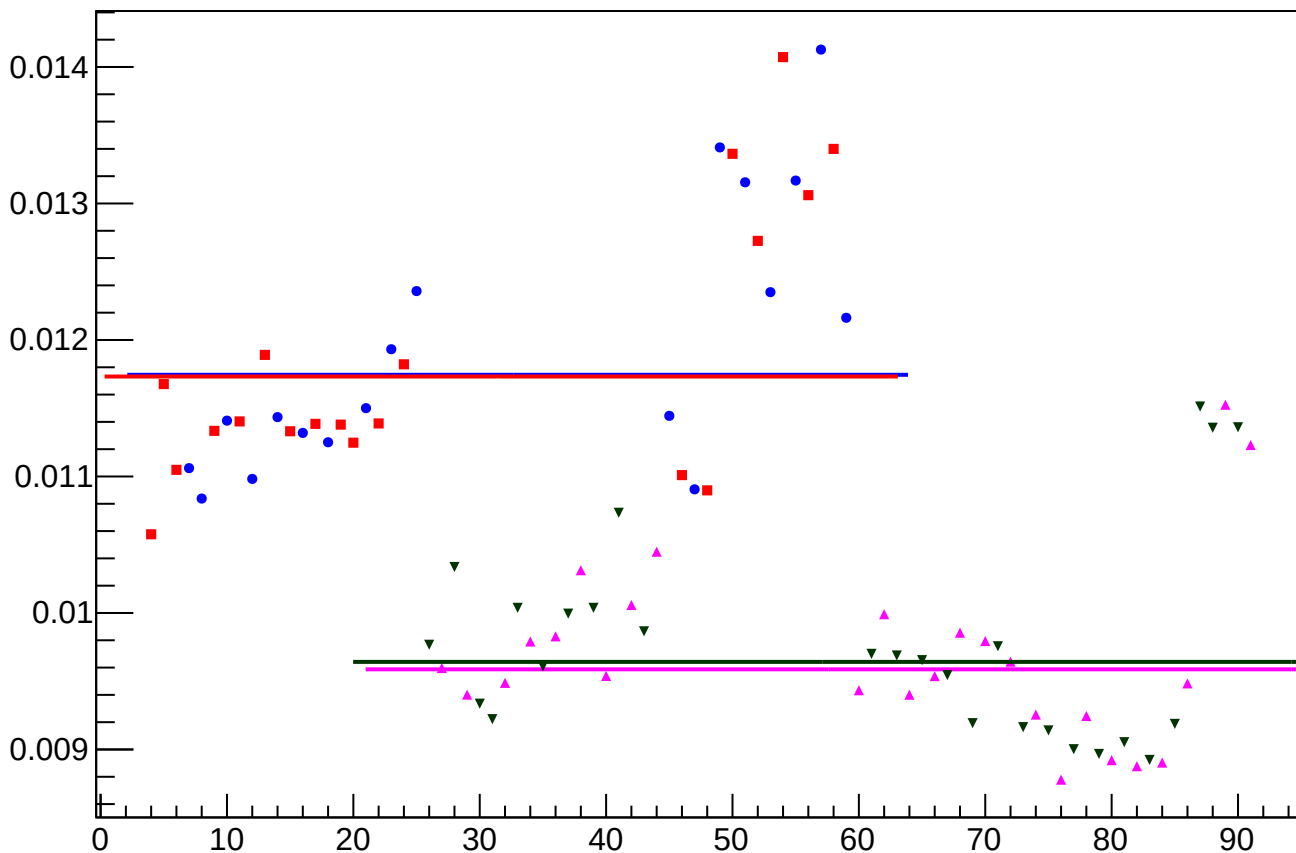
2.740+/-0.000 χ^2/NDF : 30448097124.9/43

Right Out: 2.562+/-0.000 χ^2/NDF : 12349960173.0/18

2.723+/-0.000 χ^2/NDF : 28548047994.7/43

Left In: 2.800+/-0.000 χ^2/NDF : 13513168691.6/24

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

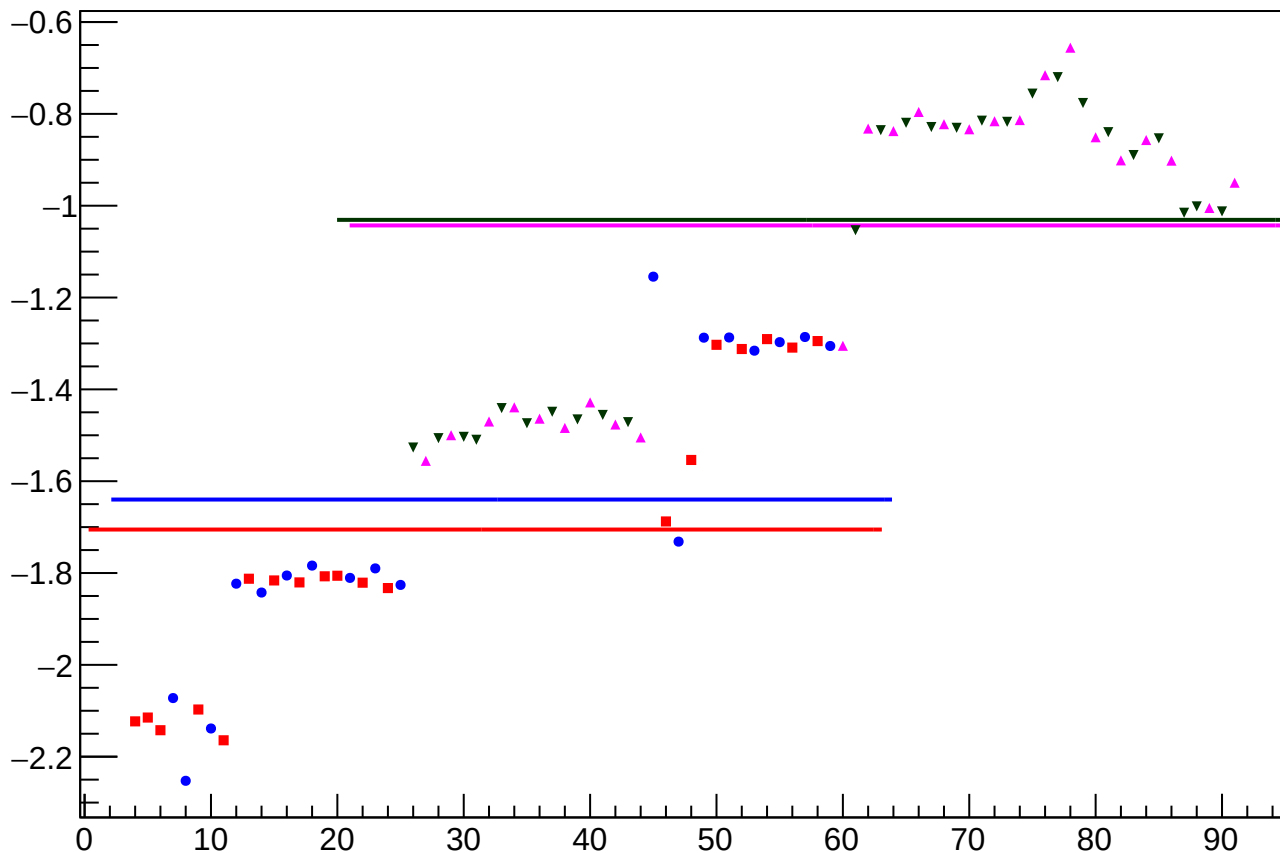
Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 107336.5/18

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:93878.8/24

0.010 $\pm$ 0.000 χ^2 /NDF: 662502.8/43

0.010 $\pm$ 0.000 χ^2 /NDF: 636616.2/43

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

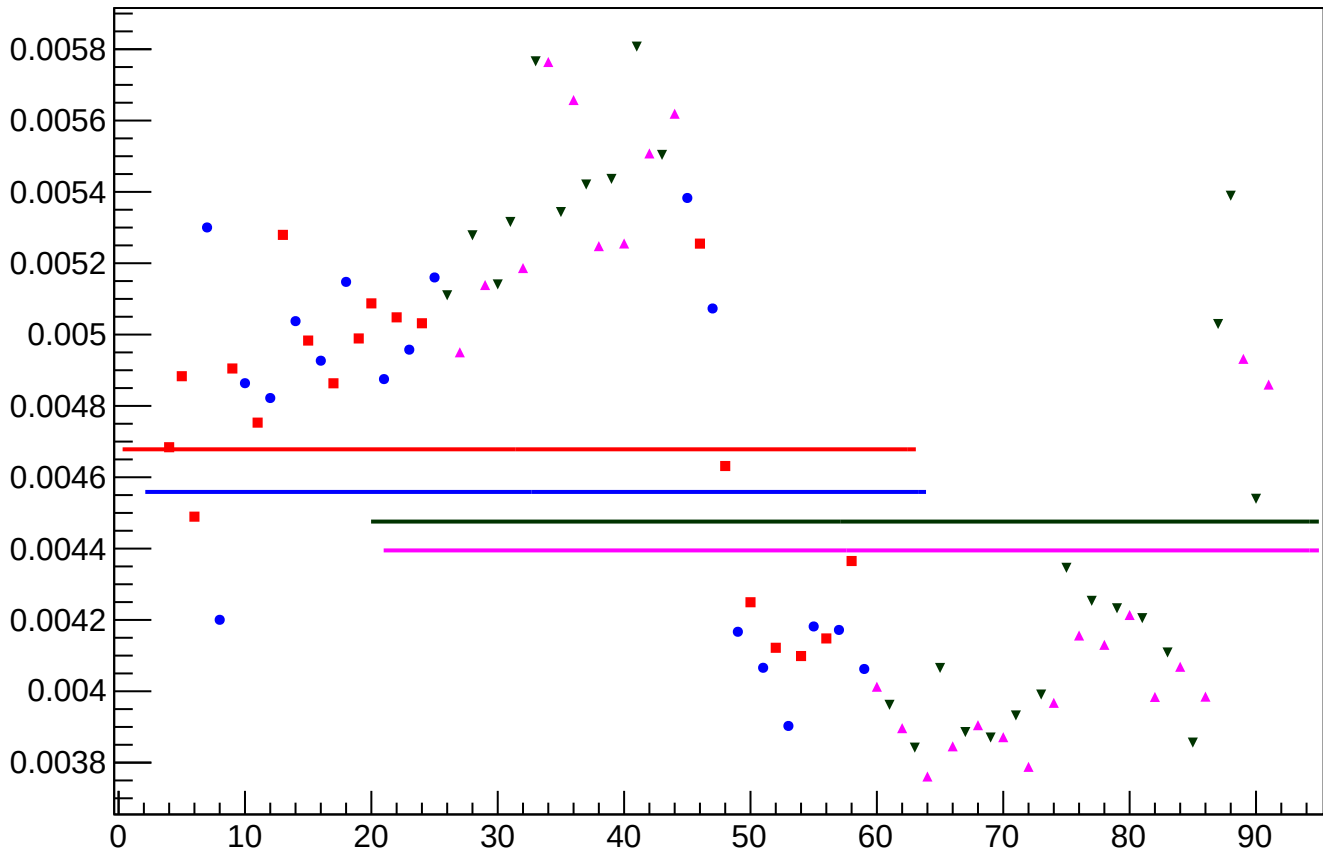
-1.311+/-0.000 χ^2/NDF : 221758045619.3/43

Right Out: -1.705+/-0.000 χ^2/NDF : 45414052250.2/18

-1.301+/-0.000 χ^2/NDF : 226370708681.3/43

Left In: -1.043+/-0.000 χ^2/NDF : 63903547977.3/24

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

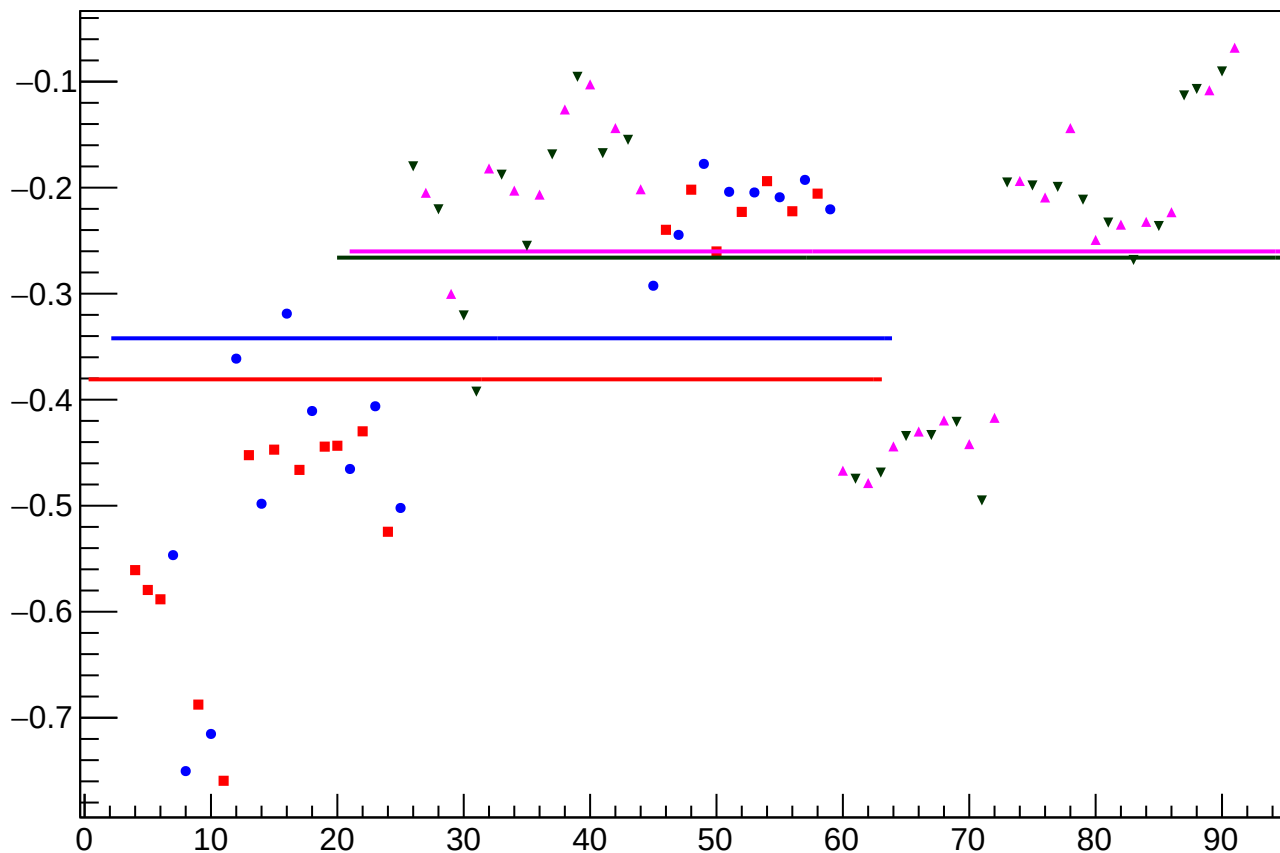
Right Out: 0.005+/-0.000 χ^2/NDF : 136426.0/18

Left In: 0.004+/-0.000 χ^2/NDF : 543803.6/24

0.005+/-0.000 χ^2/NDF : 756534.7/43

0.005+/-0.000 χ^2/NDF : 723096.0/43

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

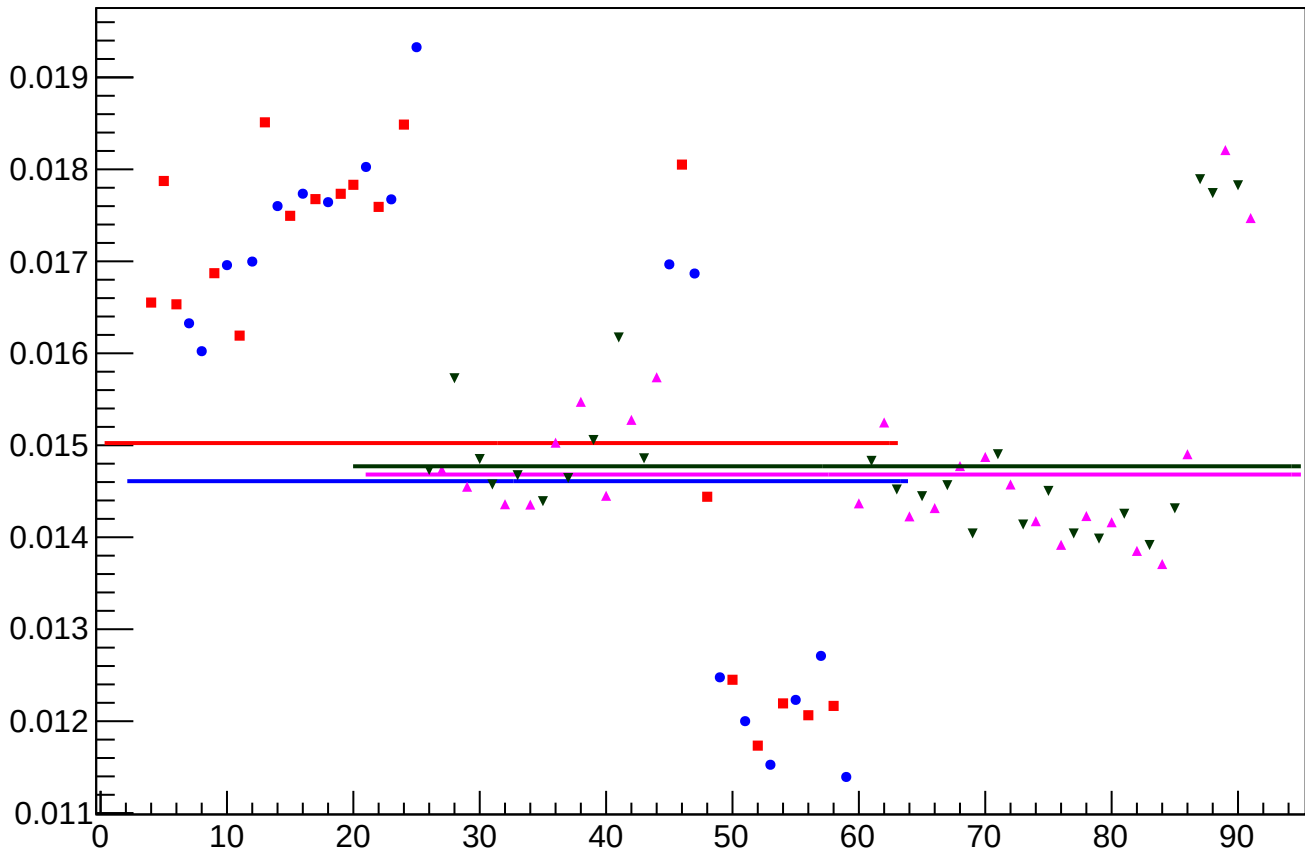
Right Out: -0.381+/-0.000 χ^2/NDF : 1387002500.9/18

Left In: -0.260+/-0.000 χ^2/NDF : 887540222.2/24

-0.301+/-0.000 χ^2/NDF : 2686448325.5/43

-0.308+/-0.000 χ^2/NDF : 2638355312.8/43

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

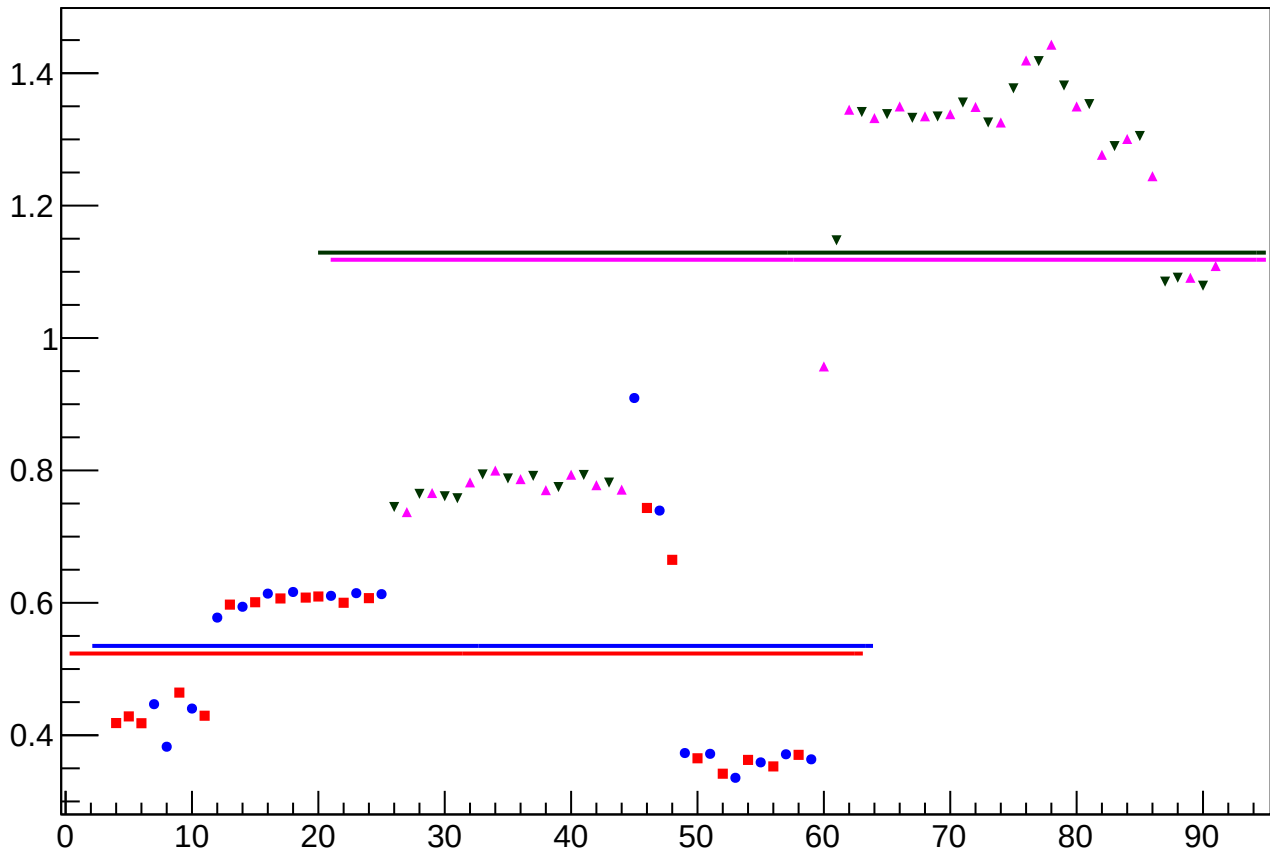
Right Out: 0.015+/-0.000 χ^2/NDF : 573783.3/18

Left In: 0.015+/-0.000 χ^2/NDF : 86408.4/24

0.015+/-0.000 χ^2/NDF : 800948.6/43

0.015+/-0.000 χ^2/NDF : 666036.6/43

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

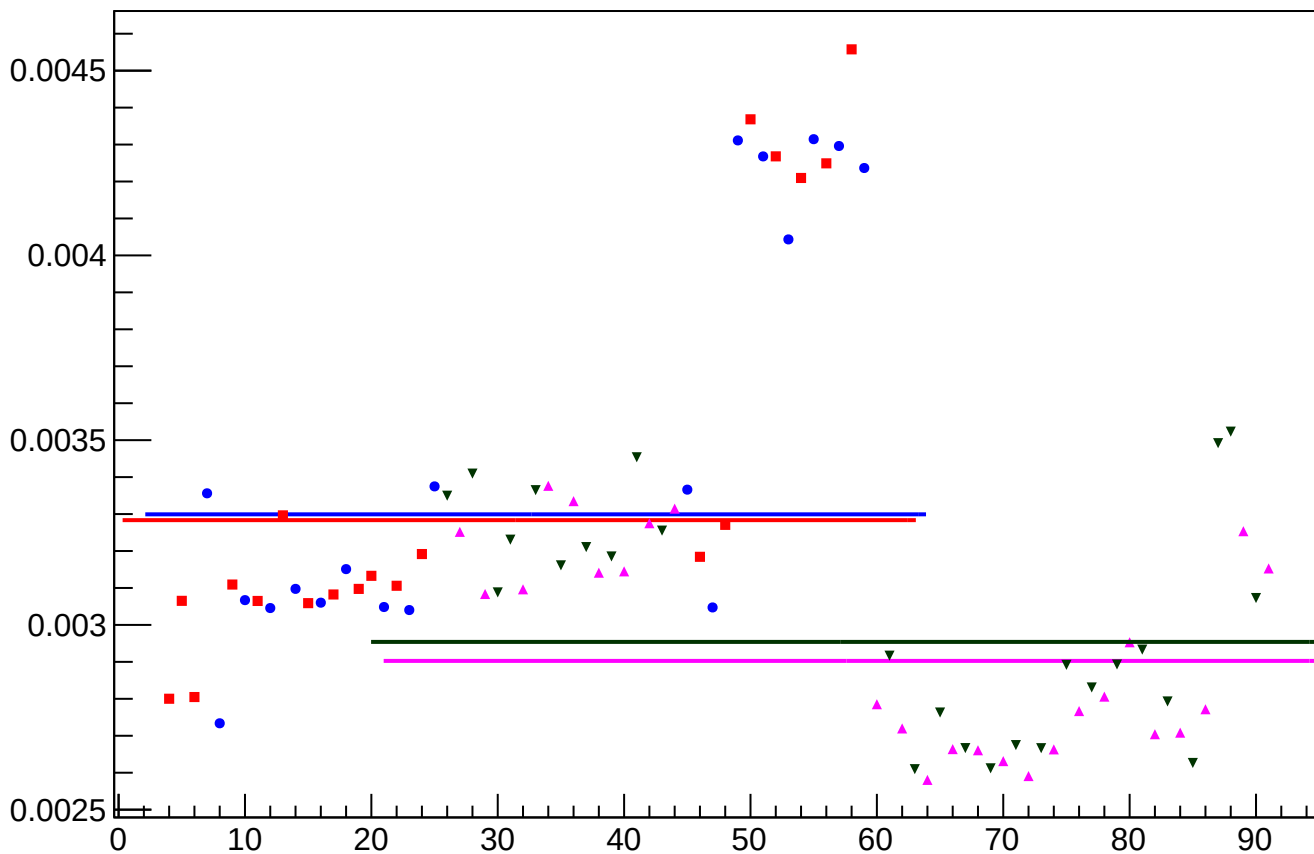
0.886+/-0.000 χ^2/NDF : 326339574741.5/43

Right Out: 0.523+/-0.000 χ^2/NDF : 11523934099.1/18

0.907+/-0.000 χ^2/NDF : 323303729759.1/43

Left In: 1.118+/-0.000 χ^2/NDF : 111693393799.2/24

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

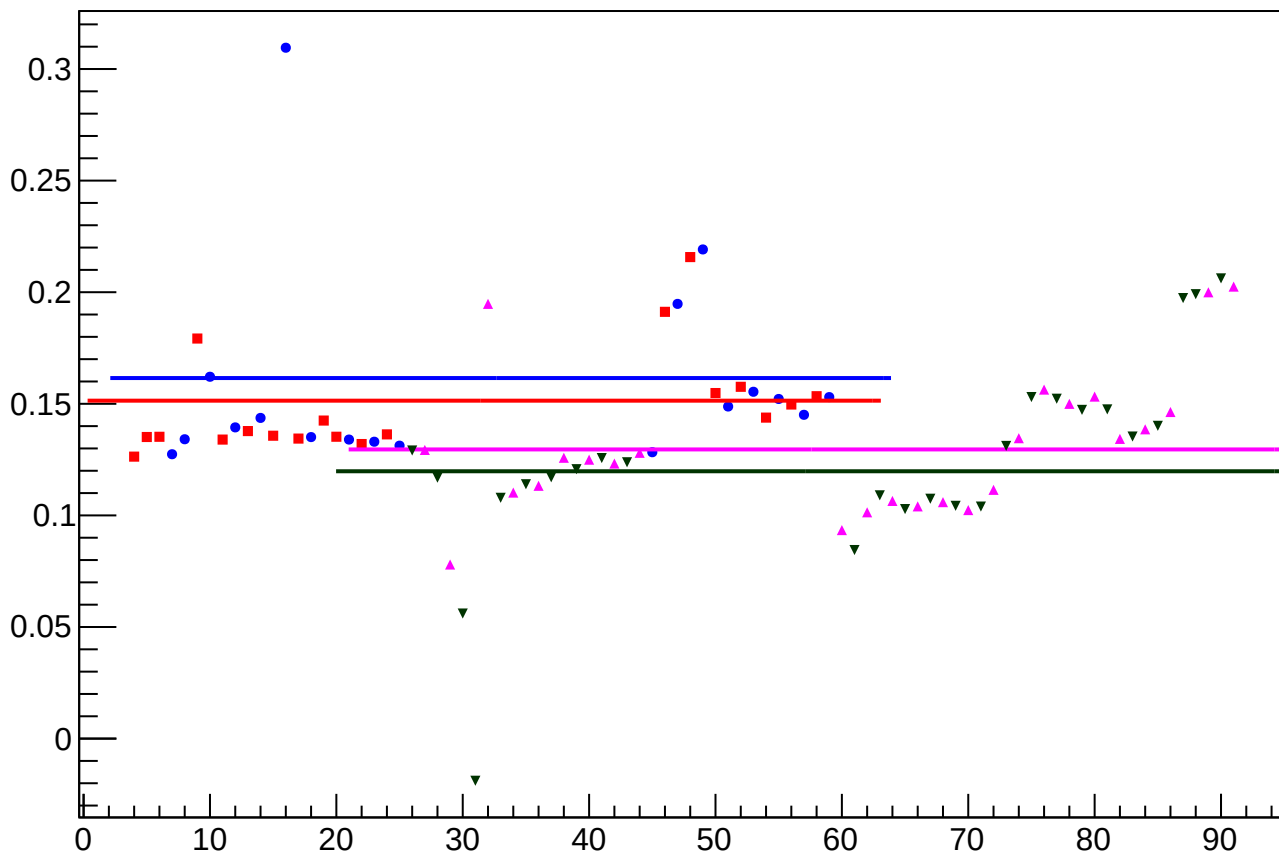
Right Out: 0.003+/-0.000 χ^2/NDF : 382277.8/18

Left In: 0.003+/-0.000 χ^2/NDF :212303.0/24

0.003+/-0.000 χ^2/NDF : 870360.5/43

0.003+/-0.000 χ^2/NDF : 758734.2/43

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

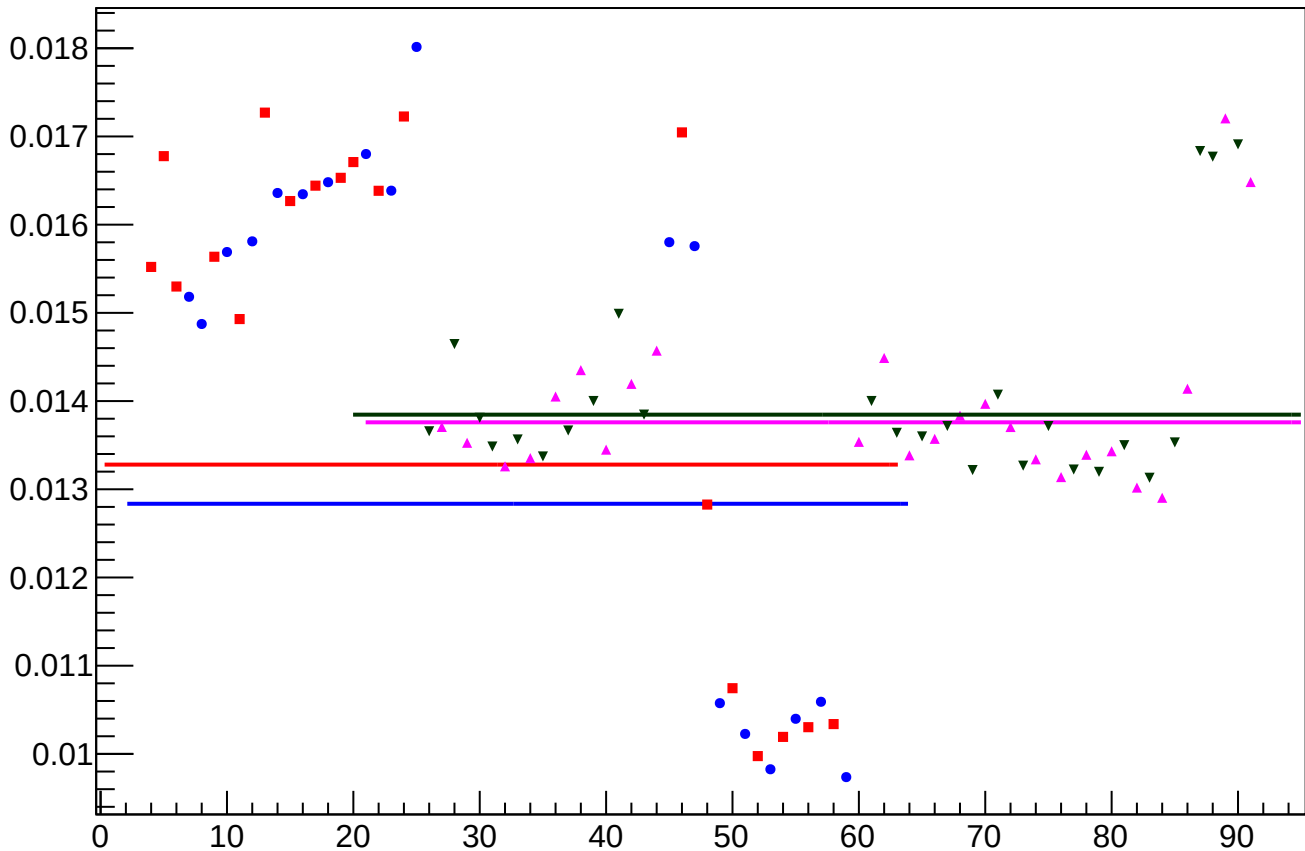
Right Out: 0.151 $\pm$ 0.000 χ^2 /NDF: 22463584.0/18

Left In: 0.130 $\pm$ 0.000 χ^2 /NDF: 70665522.3/24

0.140 $\pm$ 0.000 χ^2 /NDF: 242159168.5/43

0.139 $\pm$ 0.000 χ^2 /NDF: 107483247.7/43

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

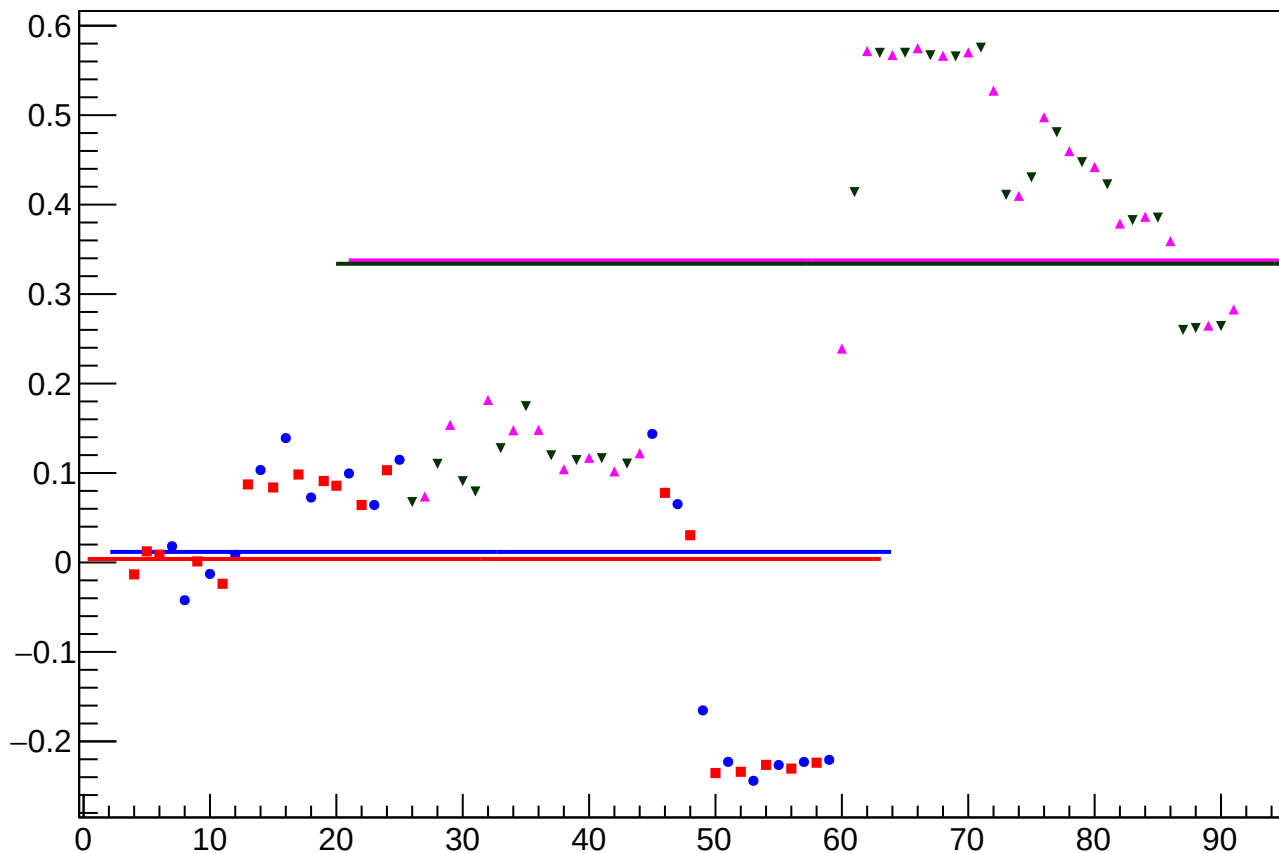
0.013+/-0.000 χ^2/NDF : 1241044.1/43

Right Out: 0.013+/-0.000 χ^2/NDF : 890007.3/18

0.014+/-0.000 χ^2/NDF : 991008.2/43

Left In: 0.014+/-0.000 χ^2/NDF : 87183.8/24

yield_bpm0l08Y_mean vs slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 12179192870.2/17

Left Out: 0.334 $\pm$ 0.000 χ^2 /NDF: 45813716191.0/25

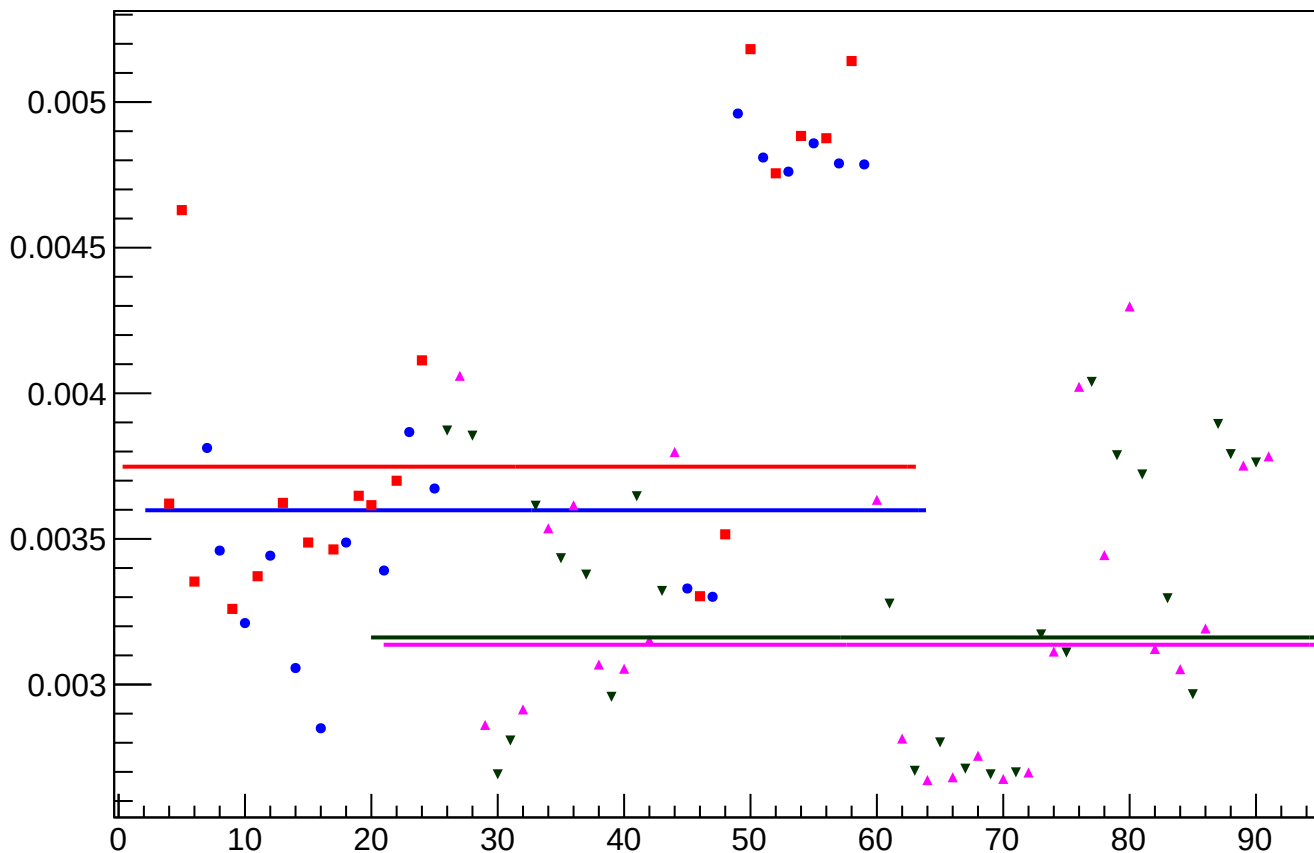
0.205 $\pm$ 0.000 χ^2 /NDF: 108188070968.3/43

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 7924148421.7/18

0.227 $\pm$ 0.000 χ^2 /NDF: 101978378560.1/43

Left In: 0.338 $\pm$ 0.000 χ^2 /NDF: 45337727666.1/24

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

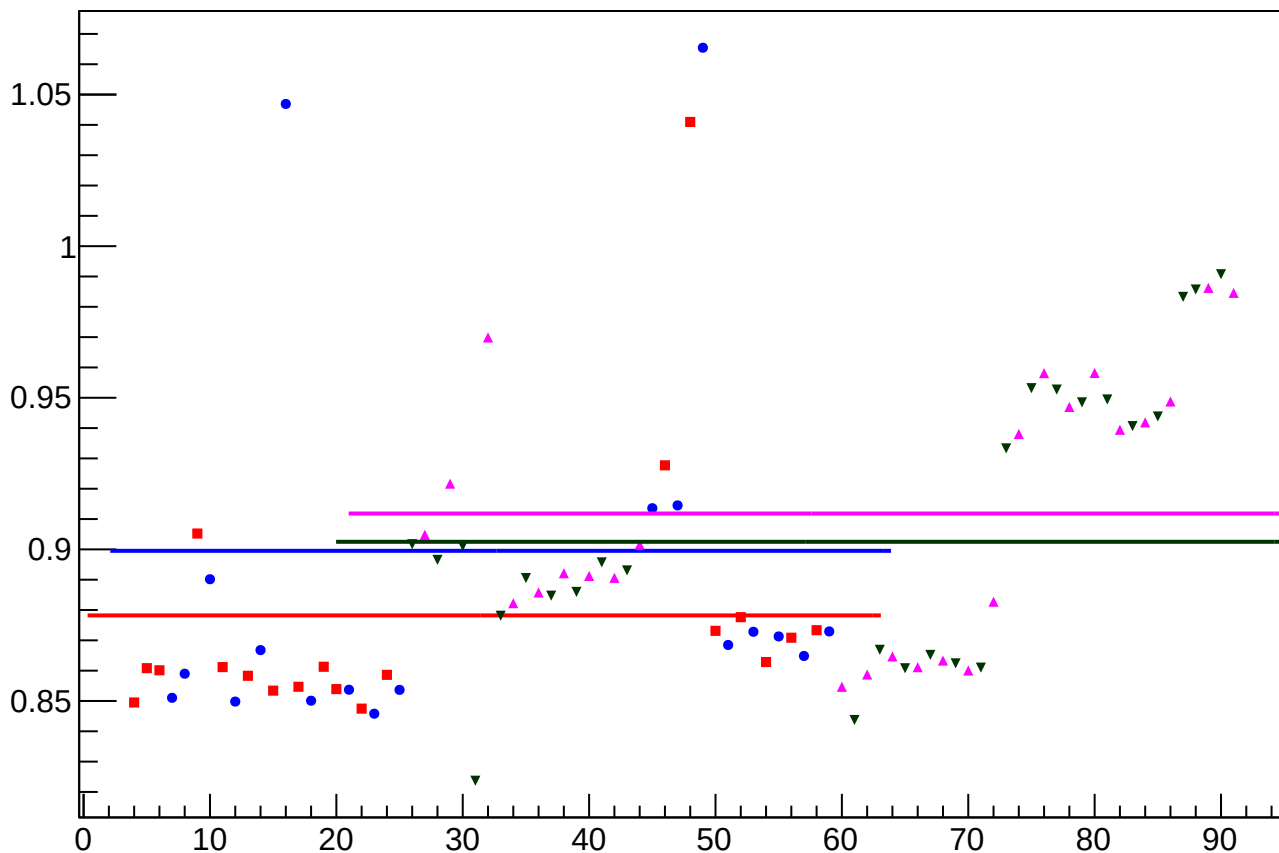
Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 427283.7/18

Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 517717.0/24

0.003 $\pm$ 0.000 χ^2 /NDF: 1312211.3/43

0.003 $\pm$ 0.000 χ^2 /NDF: 1272074.0/43

yield_bpm0l09X_mean vs slug



Right In: 0.900 ± 0.000 χ^2/NDF : 324904340.4/17

Left Out: 0.878 ± 0.000 χ^2/NDF : 107436426.1/25

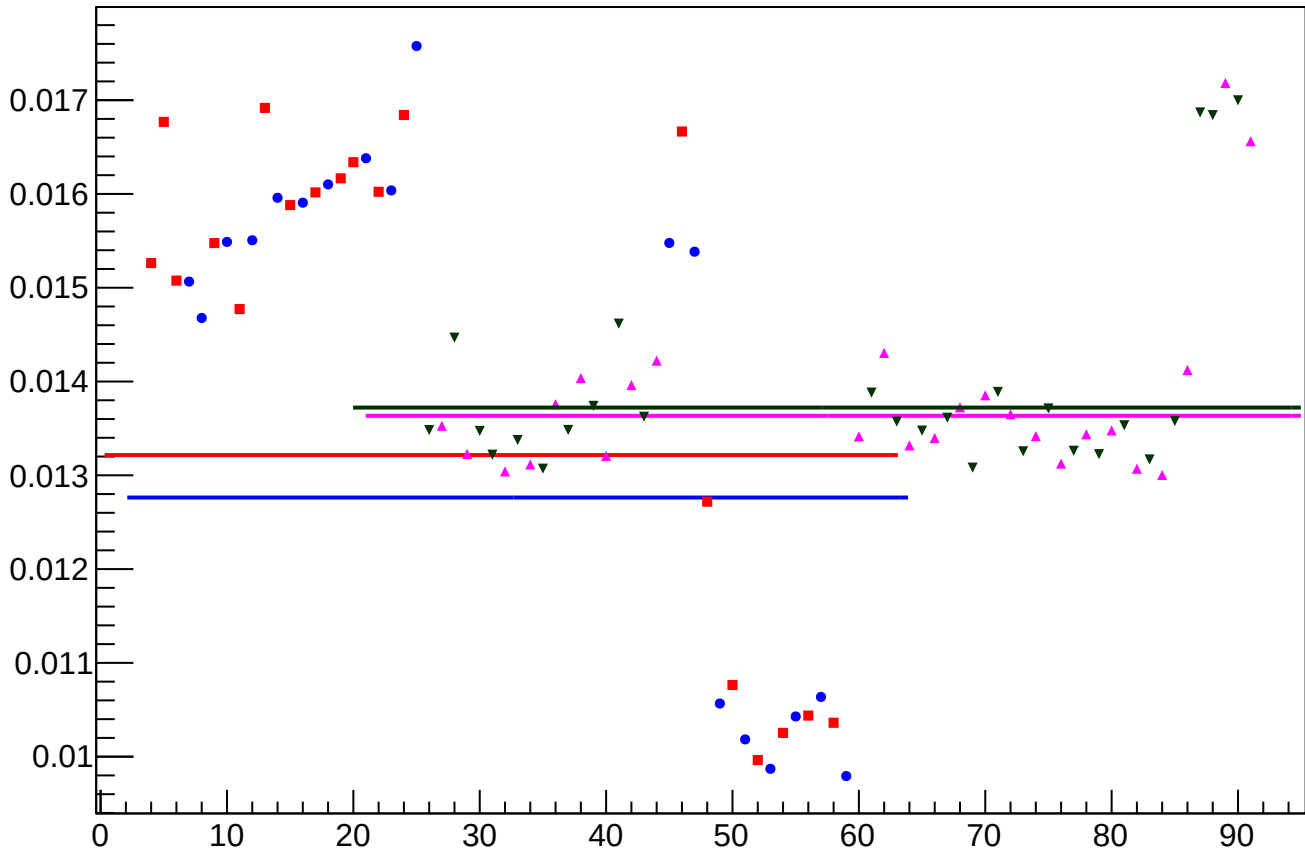
Right Out: 0.878 ± 0.000 χ^2/NDF : 92356263.0/18

Left In: 0.912 ± 0.000 χ^2/NDF : 115069392.8/24

0.901 ± 0.000 χ^2/NDF : 432632593.4/43

0.898 ± 0.000 χ^2/NDF : 241846688.6/43

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

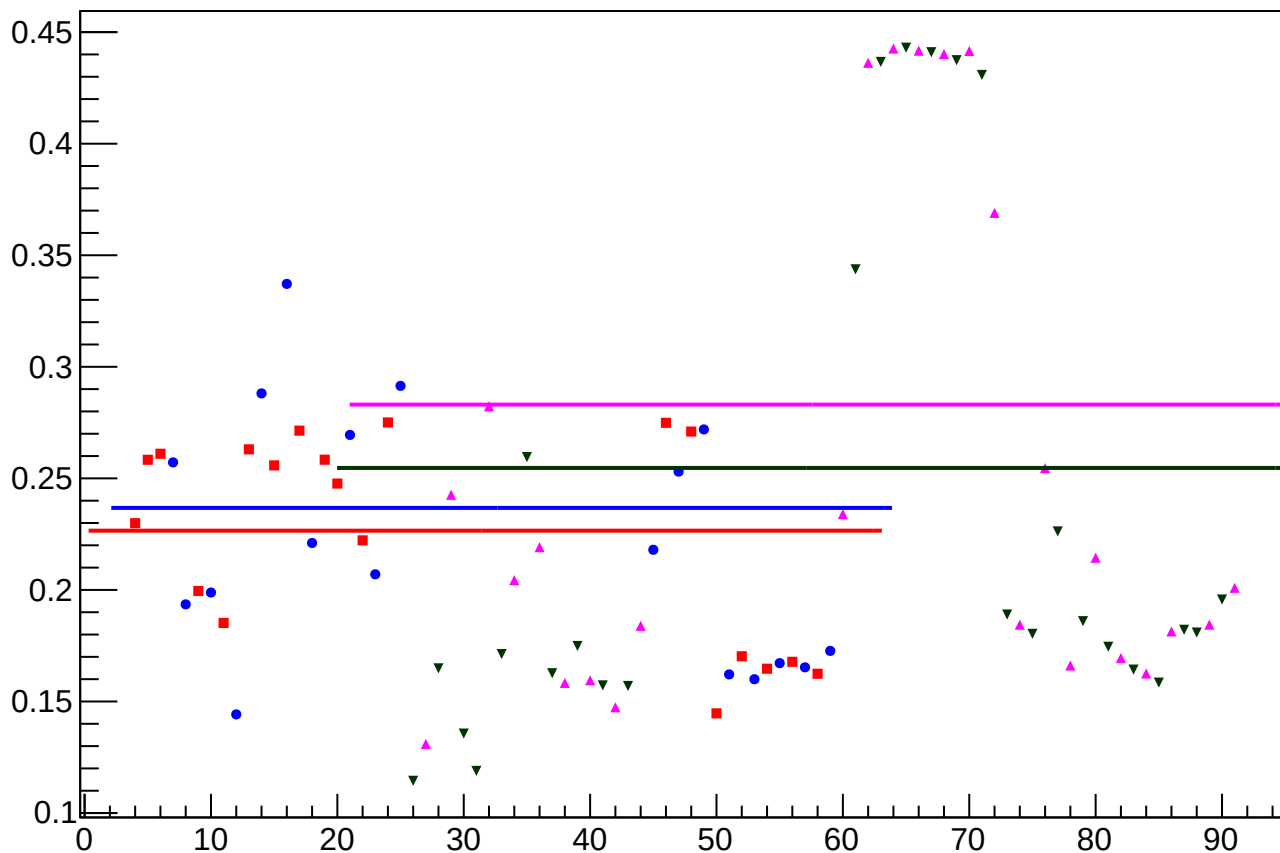
Right Out: 0.013+/-0.000 χ^2/NDF : 798846.8/18

Left In: 0.014+/-0.000 χ^2/NDF : 86815.7/24

0.013+/-0.000 χ^2/NDF : 1128792.4/43

0.013+/-0.000 χ^2/NDF : 896348.8/43

yield_bpm0l09Y_mean vs slug



Right In: 0.237 ± 0.000 χ^2/NDF : 2411617824.9/17

Left Out: 0.255 ± 0.000 χ^2/NDF : 16908670138.4/25

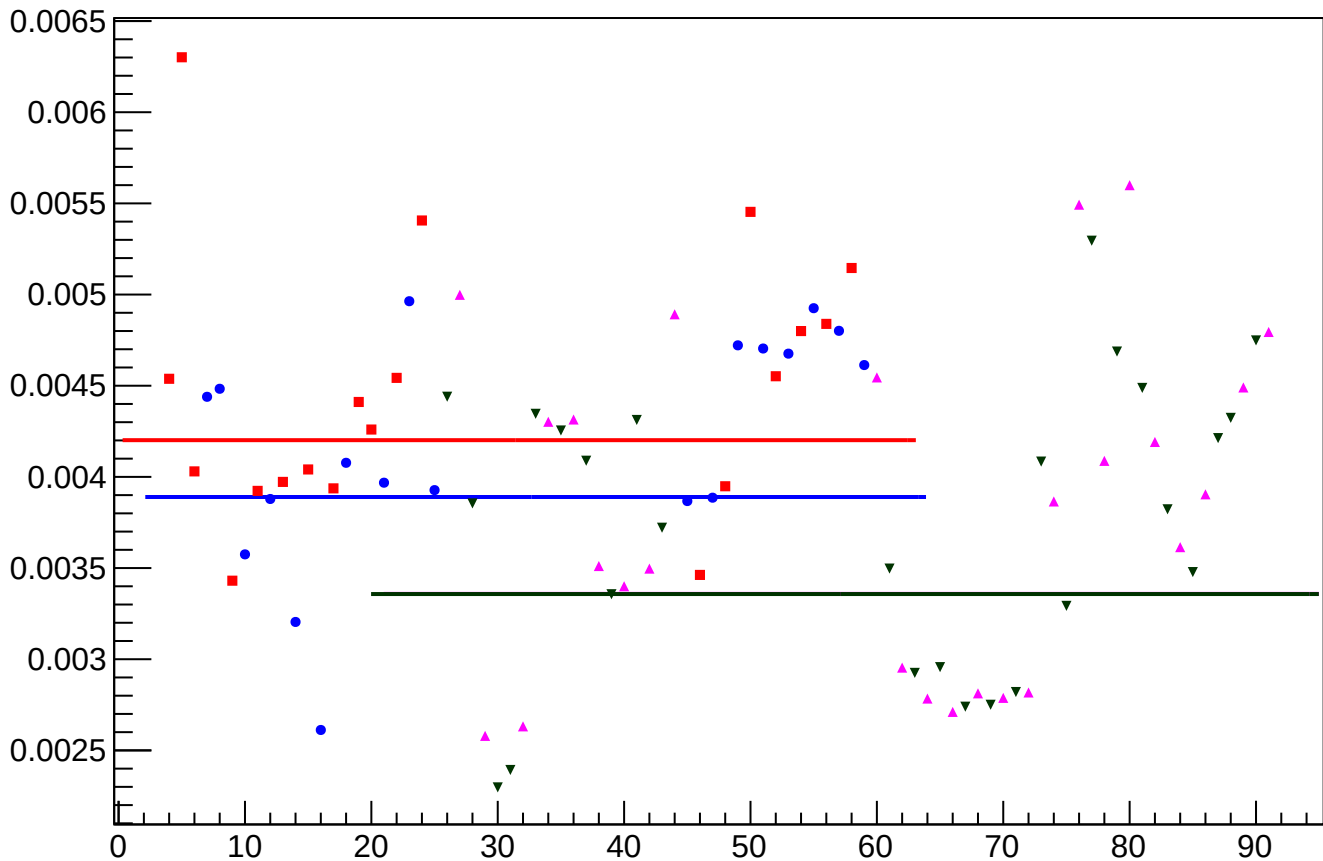
Right Out: 0.227 ± 0.000 χ^2/NDF : 943883207.4/18

Left In: 0.283 ± 0.000 χ^2/NDF : 14000220030.7/24

0.247 ± 0.000 χ^2/NDF : 19450436874.9/43

0.265 ± 0.000 χ^2/NDF : 16047521885.7/43

yield_bpm0l09Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 695729.3/17

Left Out: 0.003+/-0.000 χ^2/NDF :1189026.6/25

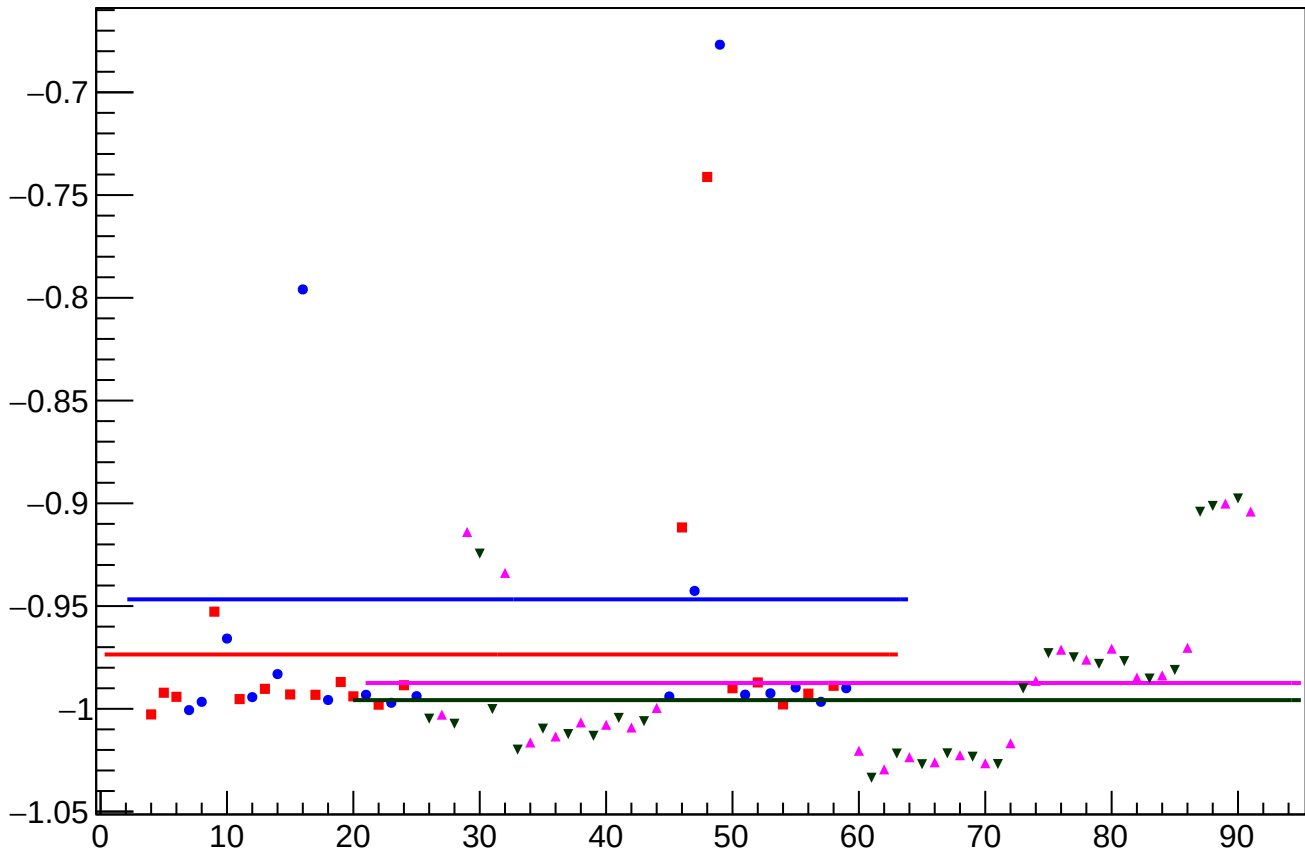
Right Out: 0.004+/-0.000 χ^2/NDF : 341340.8/18

Left In: 0.003+/-0.000 χ^2/NDF :1473277.3/24

0.004+/-0.000 χ^2/NDF : 2114694.0/43

0.004+/-0.000 χ^2/NDF : 2305830.7/43

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

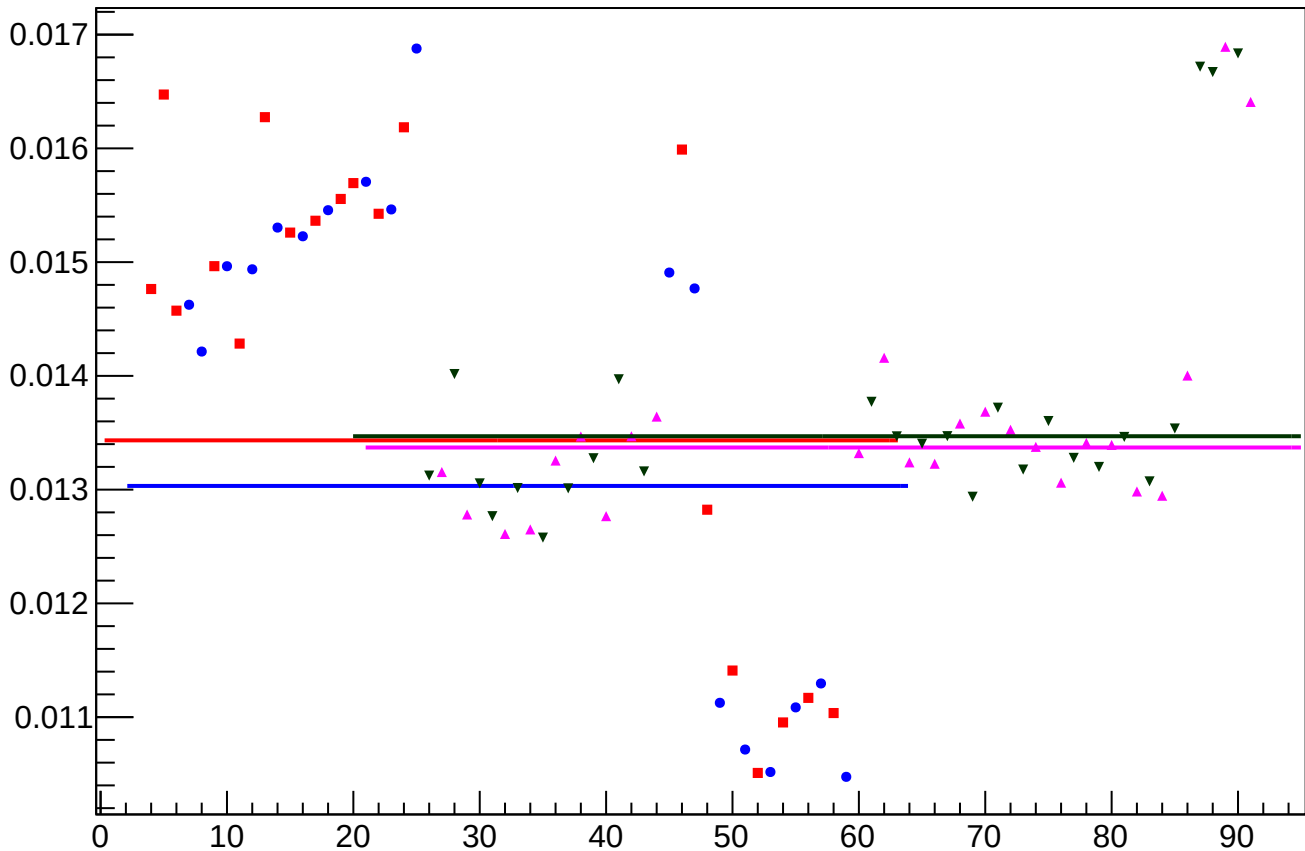
Right Out: -0.974+/-0.000 χ^2/NDF : 174691792.1/18

Left In: -0.987+/-0.000 χ^2/NDF : 104309049.0/24

-0.973+/-0.000 χ^2/NDF : 813438332.3/43

-0.982+/-0.000 χ^2/NDF : 284898386.9/43

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

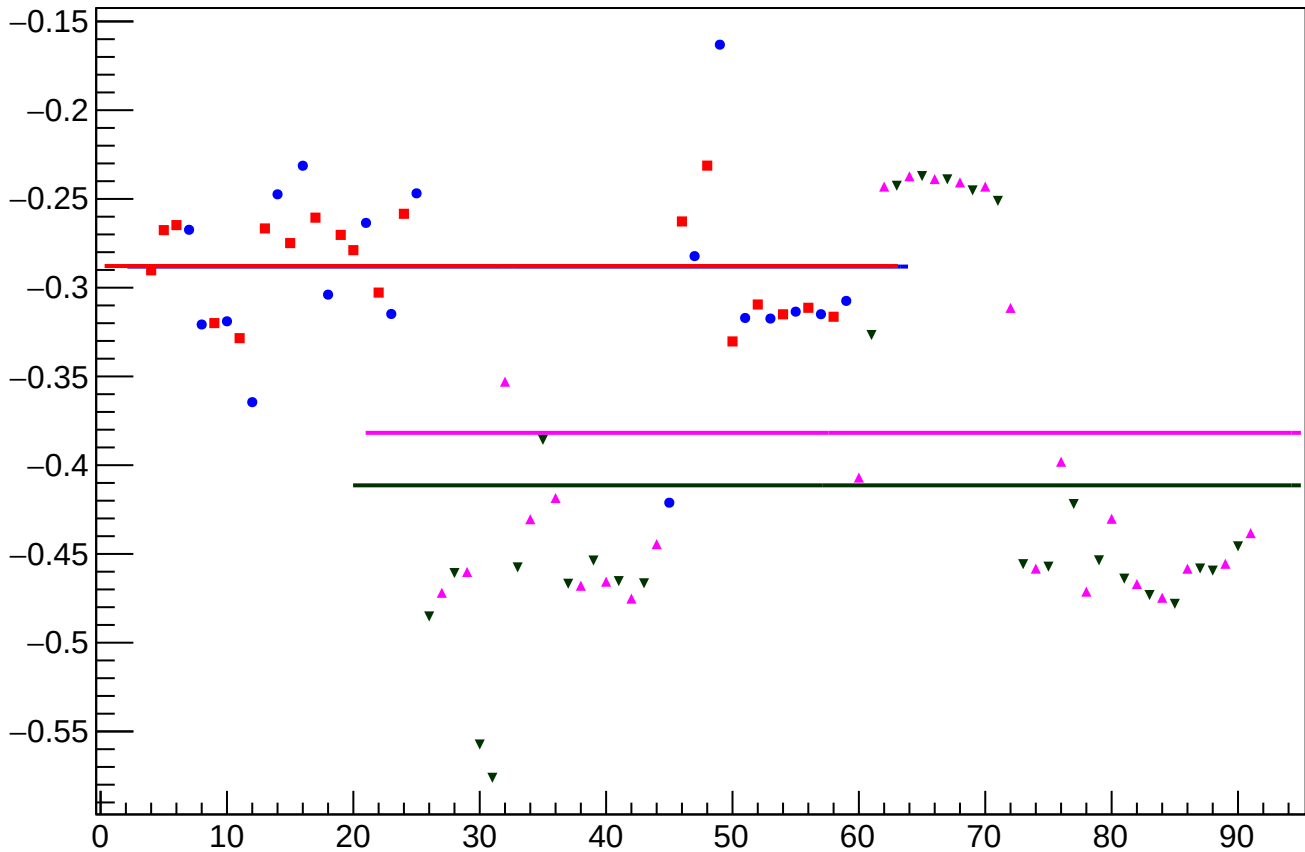
0.013+/-0.000 χ^2/NDF : 691364.5/43

Right Out: 0.013+/-0.000 χ^2/NDF : 479245.1/18

0.013+/-0.000 χ^2/NDF : 571974.4/43

Left In: 0.013+/-0.000 χ^2/NDF : 92488.2/24

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

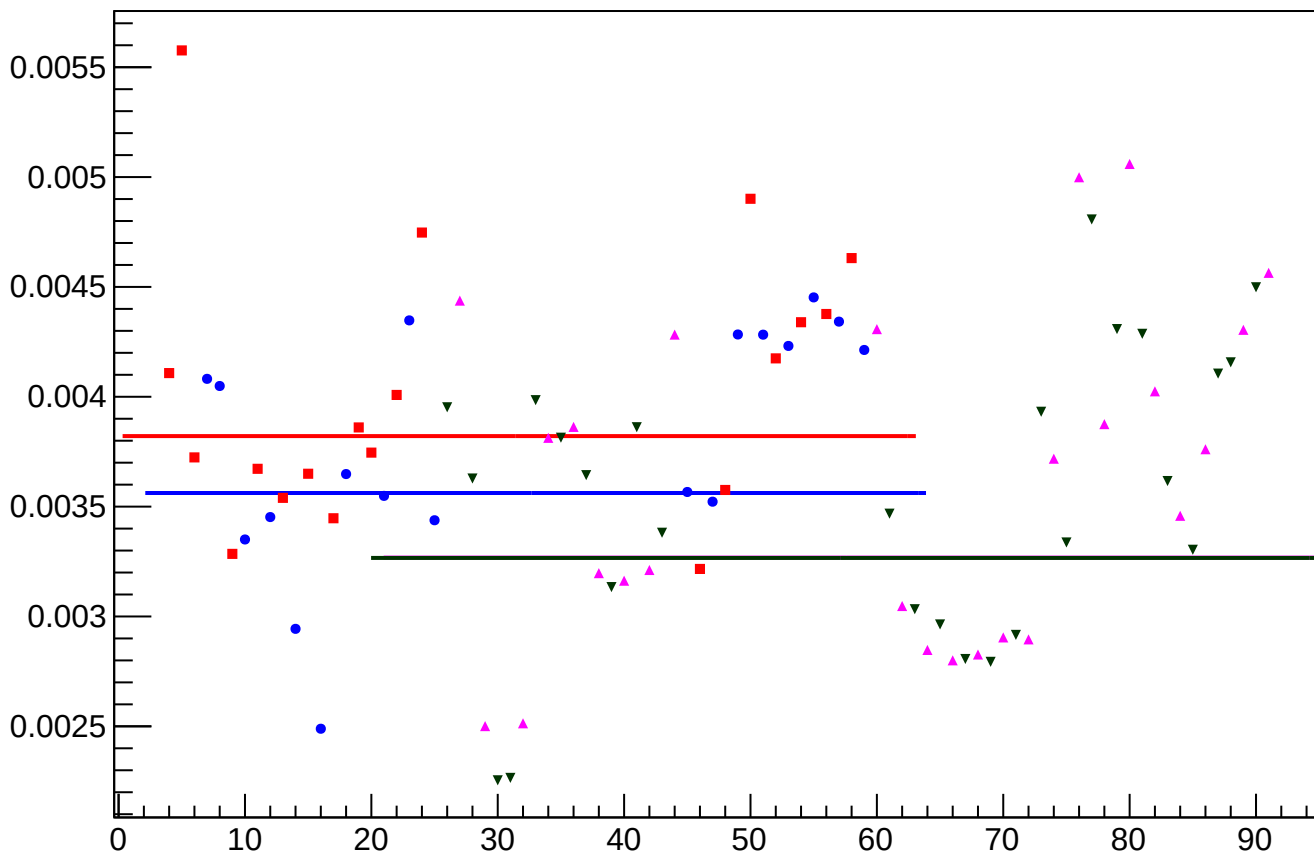
Right Out: -0.288+/-0.000 χ^2/NDF : 515794849.9/18

Left In: -0.382+/-0.000 χ^2/NDF : 10331403404.4/24

-0.359+/-0.000 χ^2/NDF : 24102336060.6/43

-0.349+/-0.000 χ^2/NDF : 14435758746.7/43

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:1133254.1/24

0.003 $\pm$ 0.000 χ^2 /NDF: 1585707.8/43

0.003 $\pm$ 0.000 χ^2 /NDF: 1664050.0/43