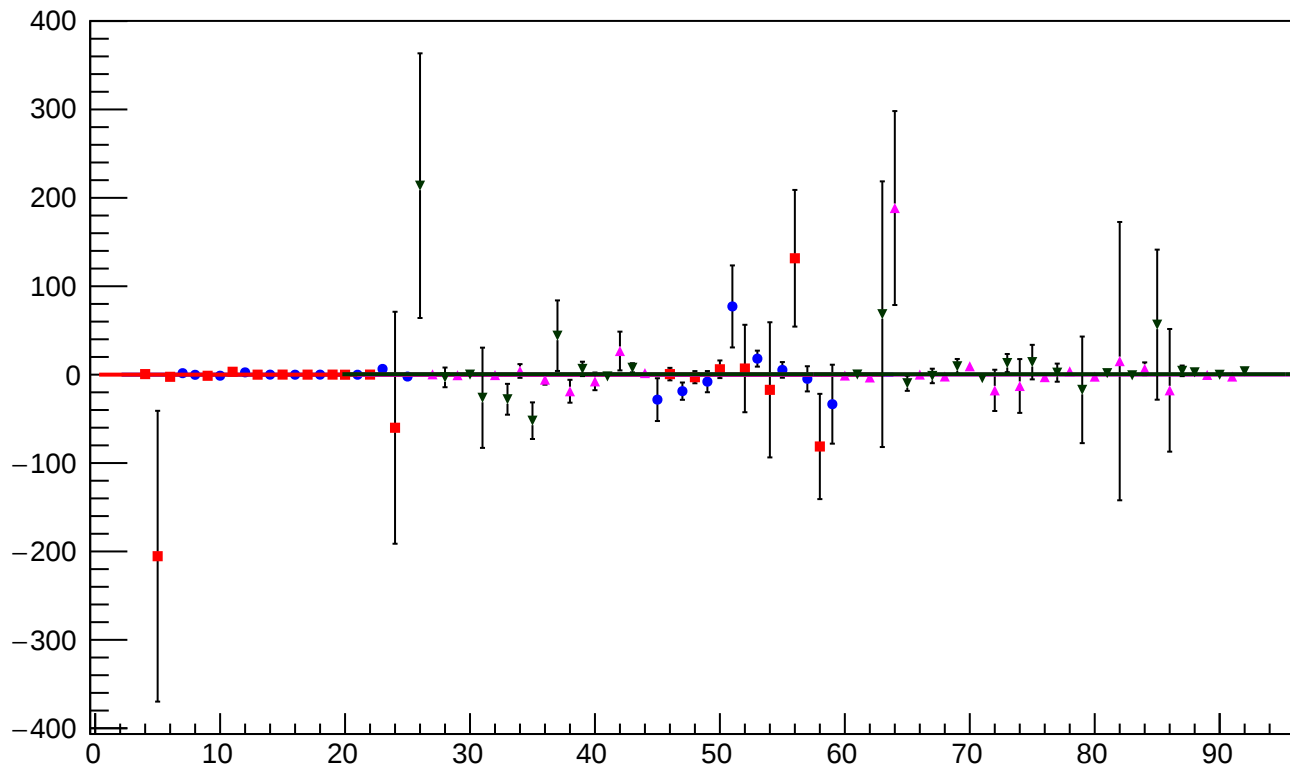


diff_cav4bX_mean vs slug



Right In: -0.014 ± 0.014

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

Left Out: 0.501 ± 0.797

$\chi^2/\text{NDF}: 27.5/26$

Right Out: 0.017 ± 0.016

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

Left In: 0.058 ± 0.073

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

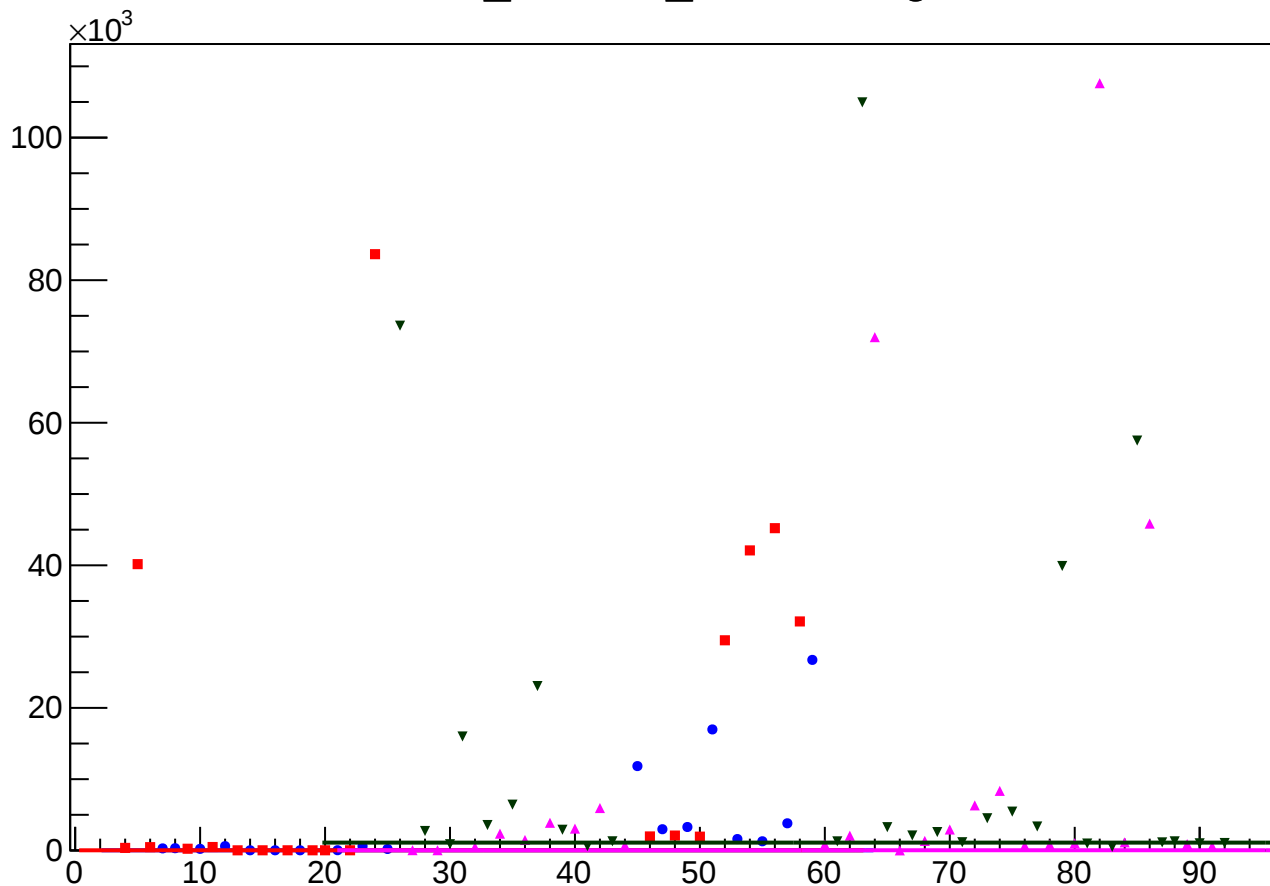
-0.014 ± 0.014

$\chi^2/\text{NDF}: 59.1/44$

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: 1100.164 $\pm$ 0.563 χ^2/NDF : 5134884.5/26

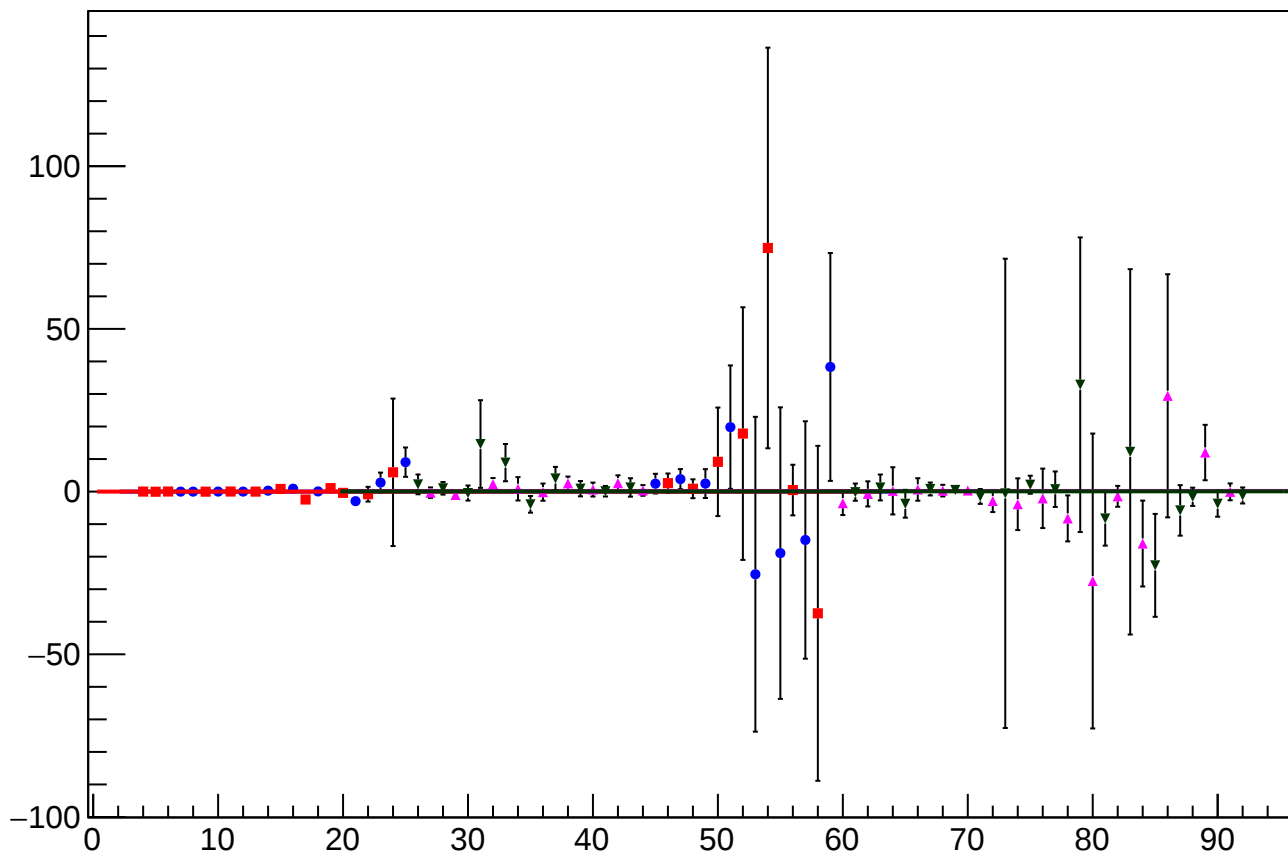
Right Out: 22.611 $\pm$ 0.011 χ^2/NDF : 4395534.2/18

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

22.778 $\pm$ 0.010 χ^2/NDF : 11599481.7/44

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

diff_cav4bY_mean vs slug



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

Left Out: 0.083 ± 0.553 χ^2/NDF : 16.1/26

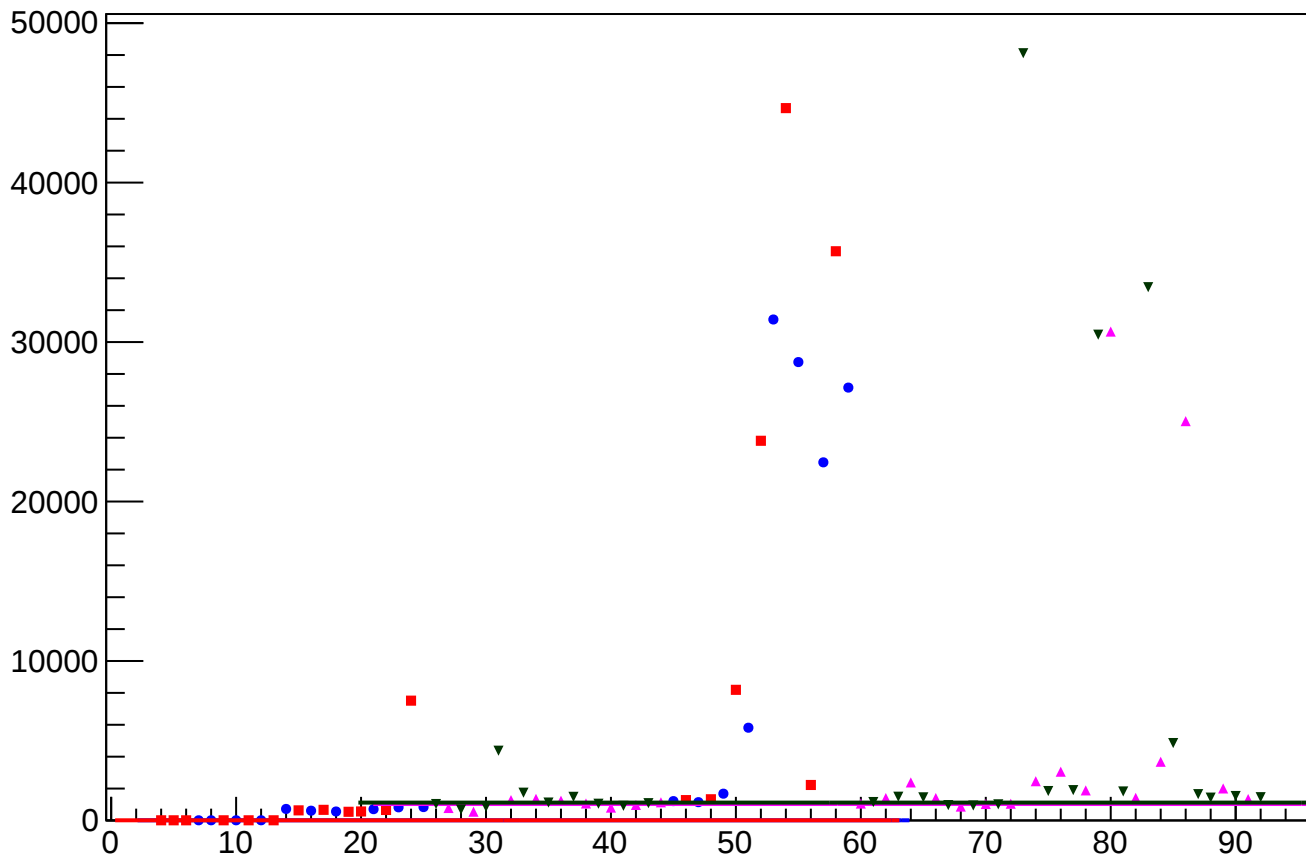
Right Out: 0.002 ± 0.005 χ^2/NDF : 20.3/18

Left In: 0.190 ± 0.507 χ^2/NDF : 13.0/24

-0.001 ± 0.006 χ^2/NDF : 39.8/44

0.002 ± 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: 1119.949 $\pm$ 0.391 χ^2 /NDF:3155008.7/26

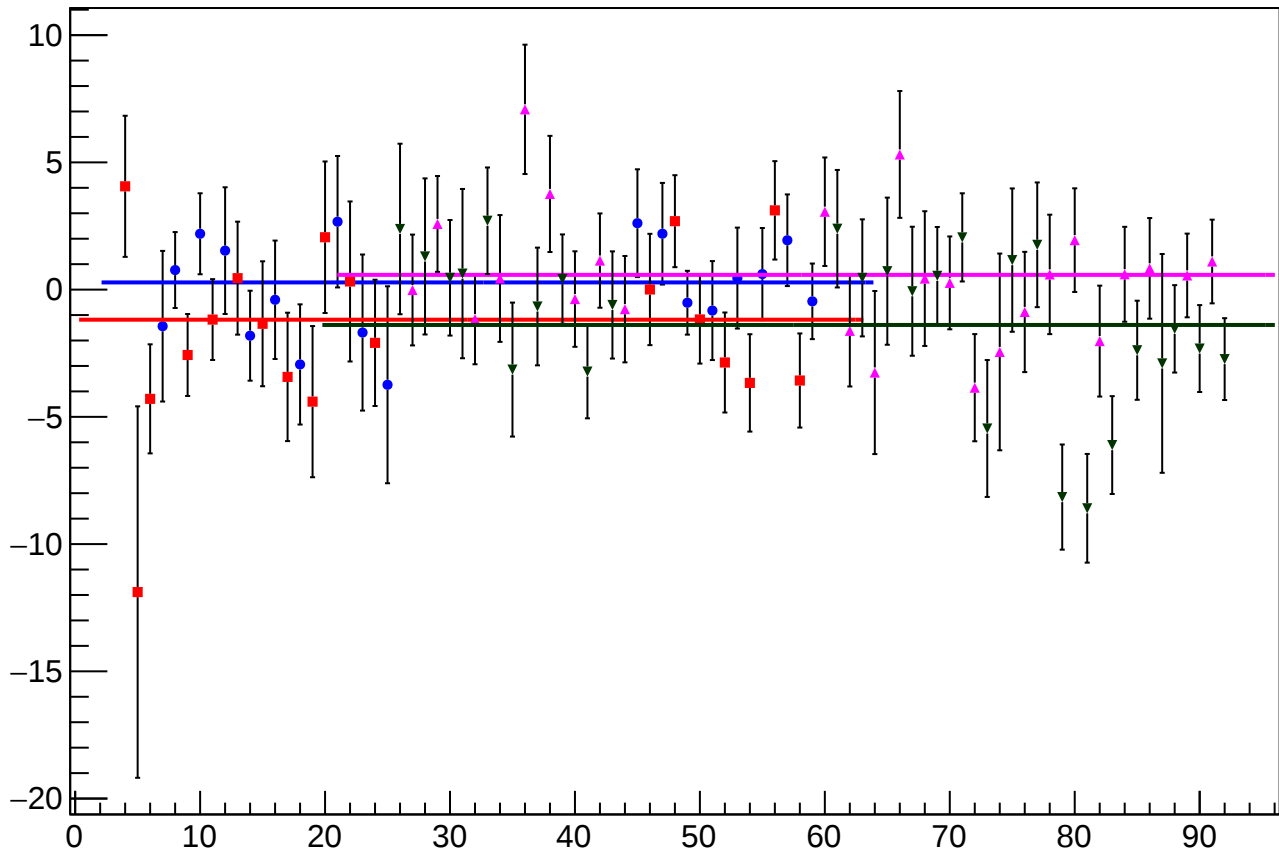
Right Out: 10.086 $\pm$ 0.004 χ^2 /NDF: 6750125.6/18

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

10.660 $\pm$ 0.005 χ^2 /NDF: 20163881.7/44

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: -1.389 ± 0.419 $\chi^2/\text{NDF}: 53.0/26$

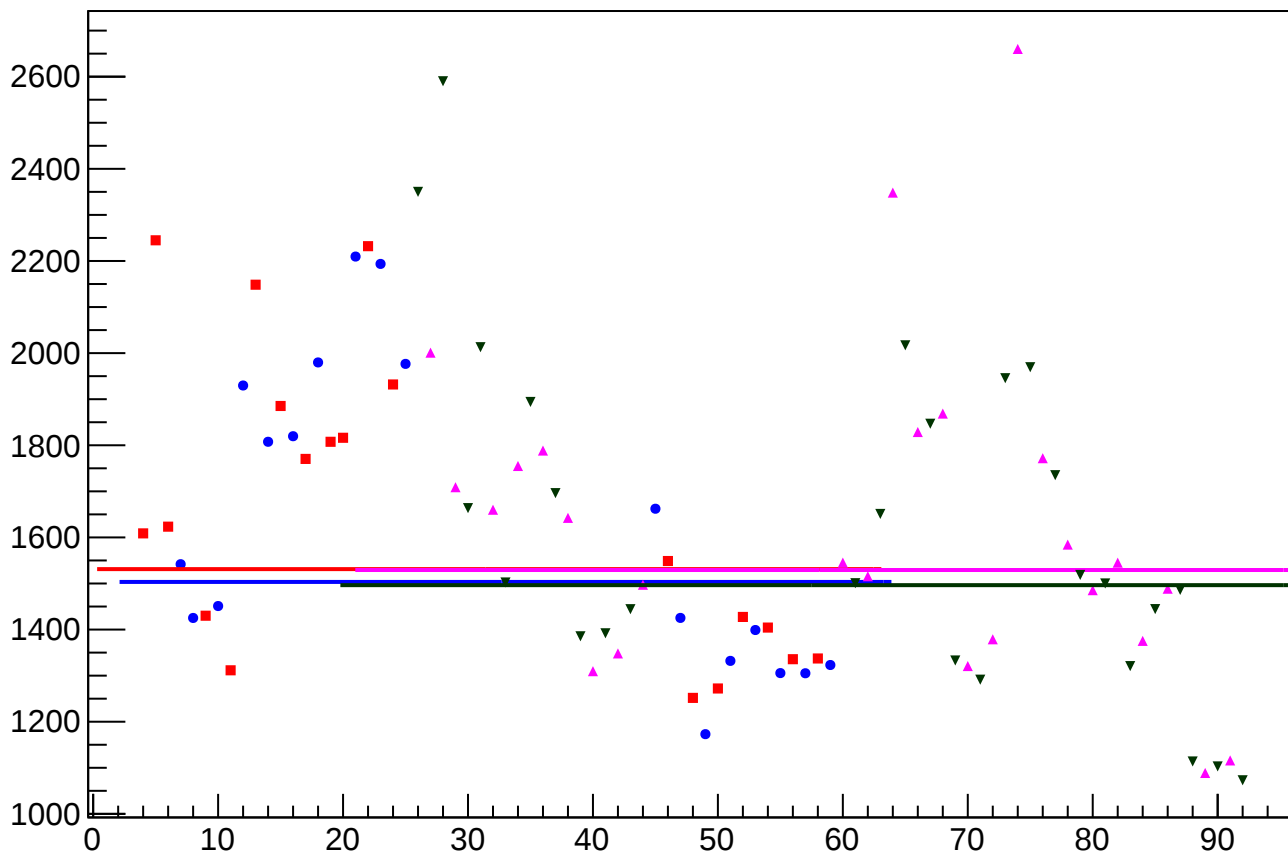
Right Out: -1.182 ± 0.494 $\chi^2/\text{NDF}: 26.5/18$

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

-0.621 ± 0.309 $\chi^2/\text{NDF}: 72.1/44$

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

diff_cav4cX_rms vs slug



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

Left Out: 1496.411+/-0.297 χ^2/NDF :1167723.2/26

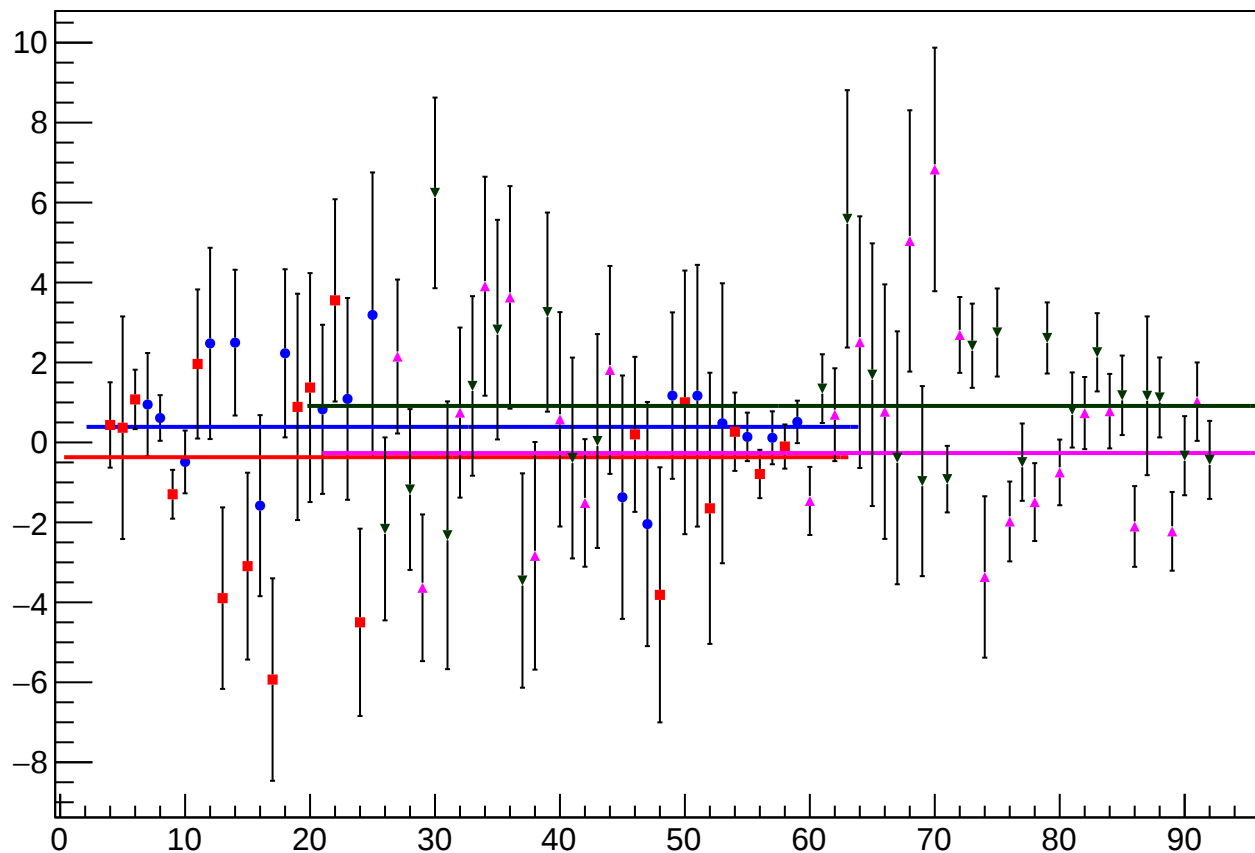
Right Out: 1531.211+/-0.349 χ^2/NDF : 621310.9/18

Left In: 1529.271+/-0.298 χ^2/NDF :919700.7/24

1499.621+/-0.218 χ^2/NDF : 1944747.7/44

1530.088+/-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: 0.913 ± 0.254 χ^2/NDF : 37.4/26

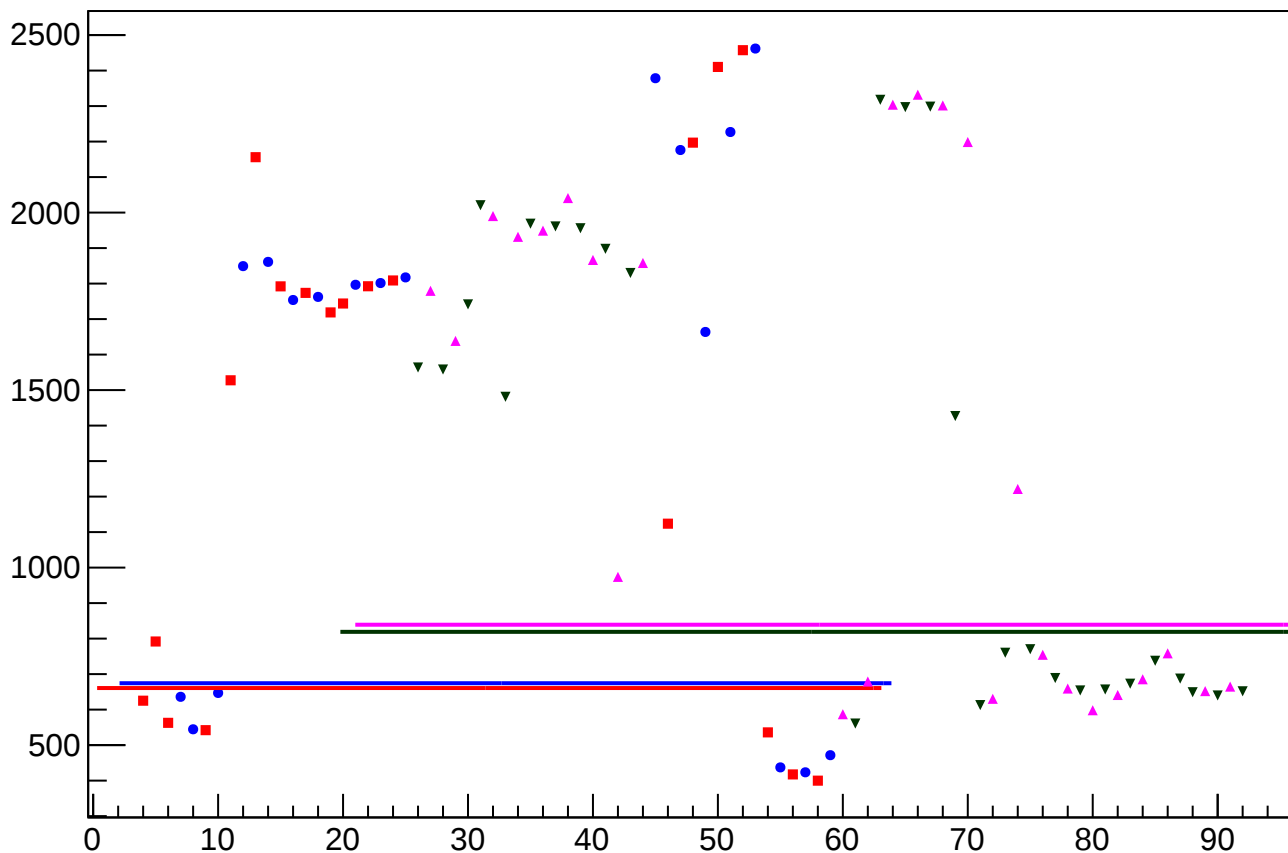
Right Out: -0.369 ± 0.263 χ^2/NDF : 25.7/18

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

0.648 ± 0.179 χ^2/NDF : 47.1/44

-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: 819.054+/-0.180 χ^2/NDF : 5130807.4/26

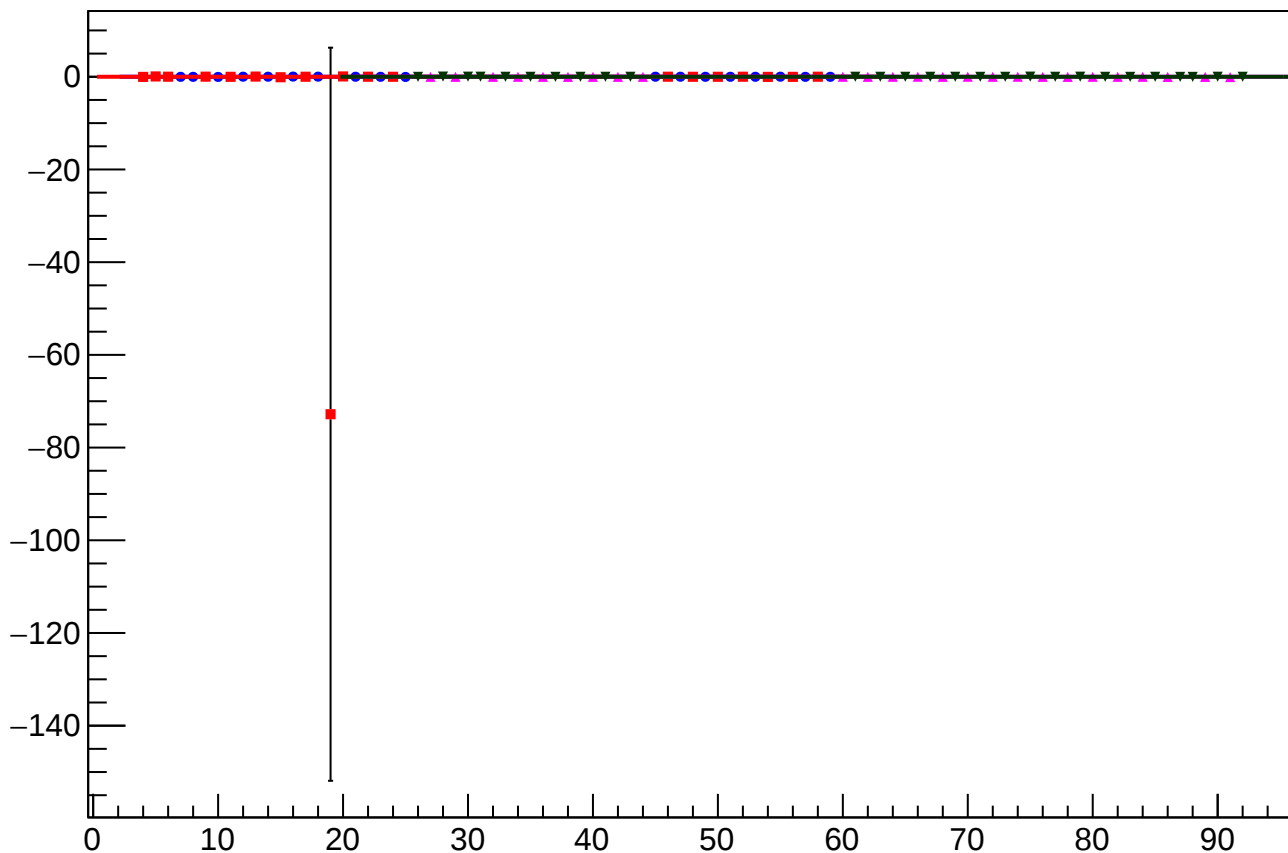
Right Out: 660.761+/-0.186 χ^2/NDF : 6222915.7/18

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

745.890+/-0.126 χ^2/NDF : 12471569.1/44

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 : 20.3/26

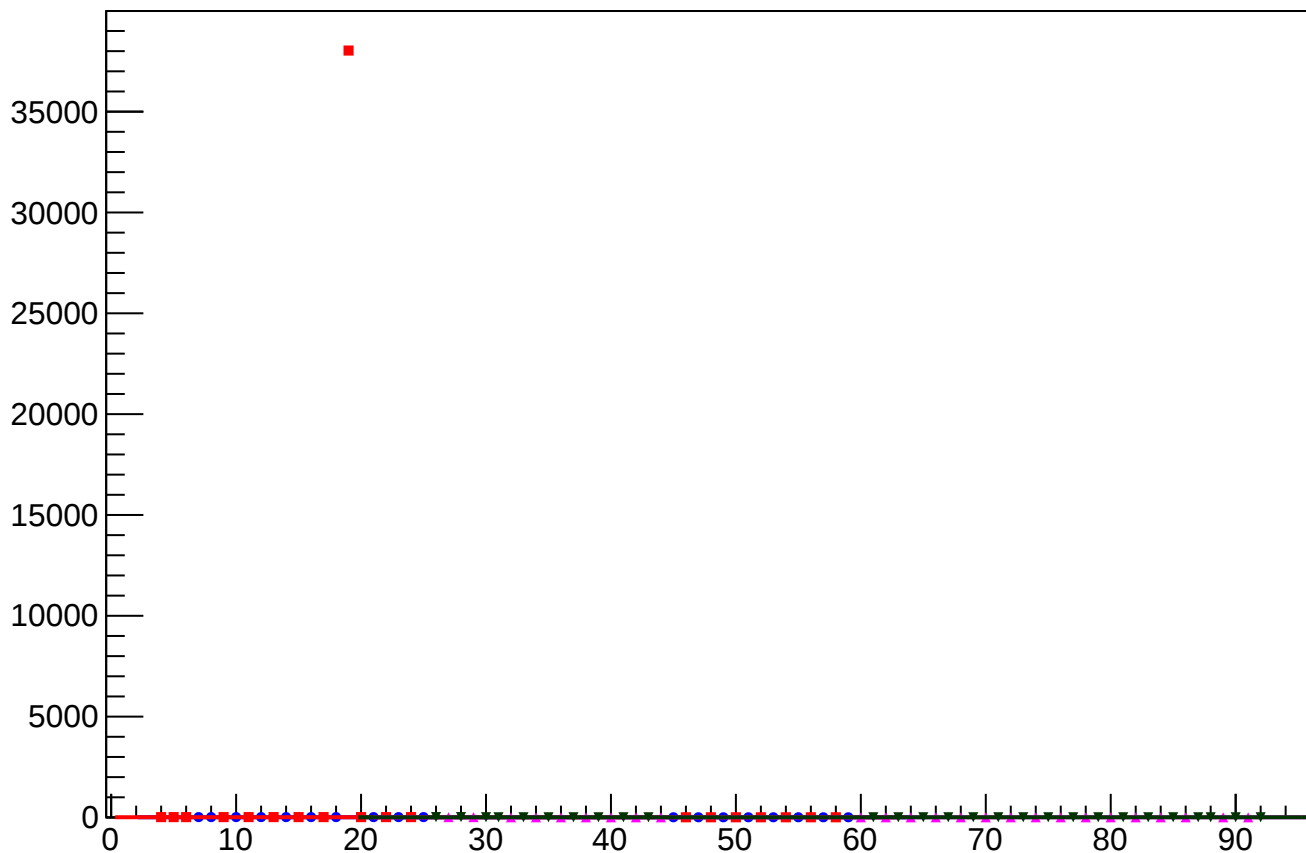
Right Out: 0.002+/-0.004 χ^2/NDF : 20.0/18

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

0.001+/-0.002 χ^2/NDF : 32.3/44

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: 8.891+/-0.002 χ^2/NDF : 631669.8/26

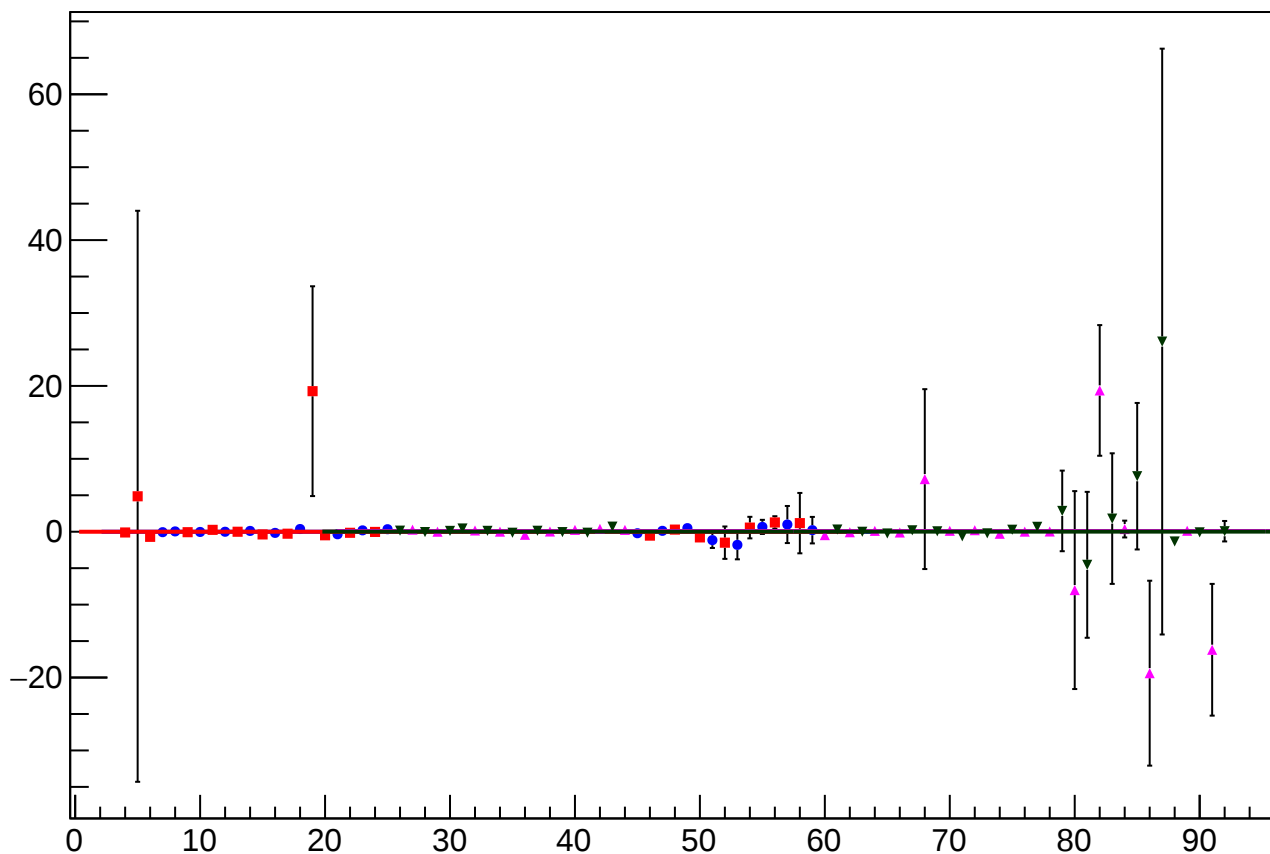
Right Out: 11.097+/-0.003 χ^2/NDF : 2257827.7/18

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

9.479+/-0.002 χ^2/NDF : 2873489.3/44

9.554+/-0.002 χ^2/NDF : 3450515.4/43

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 : 31.6/26

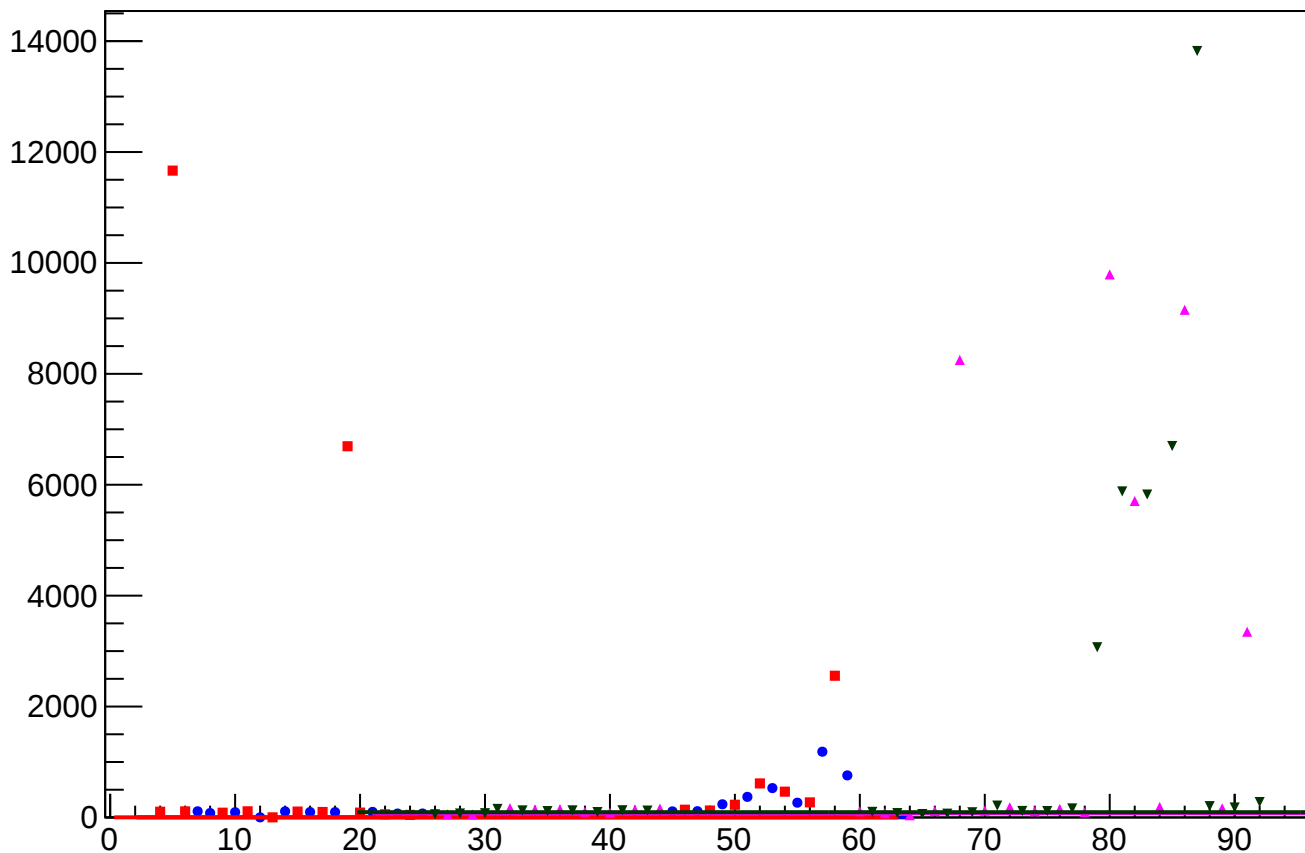
Right Out: -0.003 ± 0.003 χ^2/NDF : 21.1/18

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

-0.003 ± 0.003 χ^2/NDF : 52.7/44

-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: 94.801+/-0.031 χ^2/NDF : 4095579.0/26

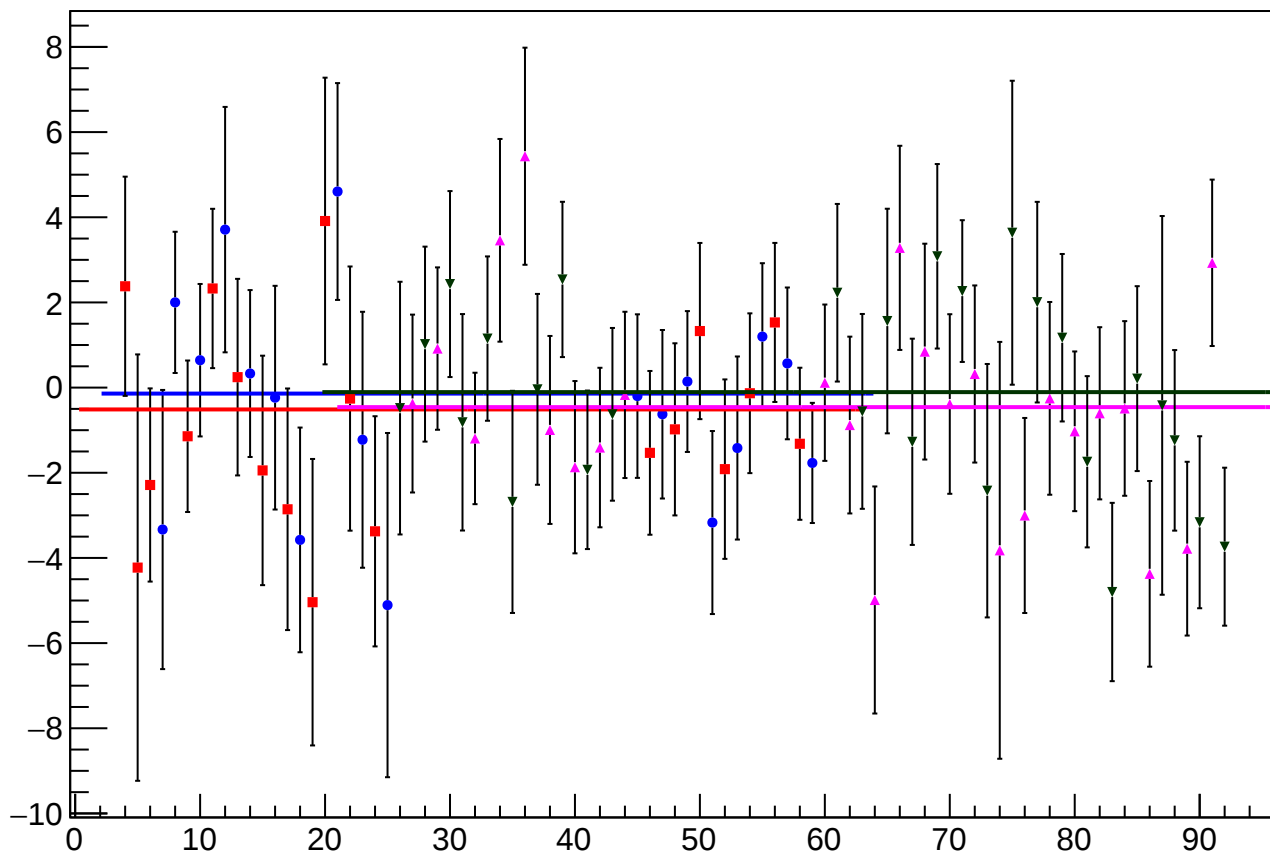
Right Out: 2.101+/-0.002 χ^2/NDF : 6716516.3/18

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

2.674+/-0.002 χ^2/NDF : 22234438.8/44

2.574+/-0.002 χ^2/NDF : 20320422.0/43

diff_bpm4aX_mean vs slug



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

Left Out: -0.106 ± 0.424 $\chi^2/\text{NDF}: 27.4/26$

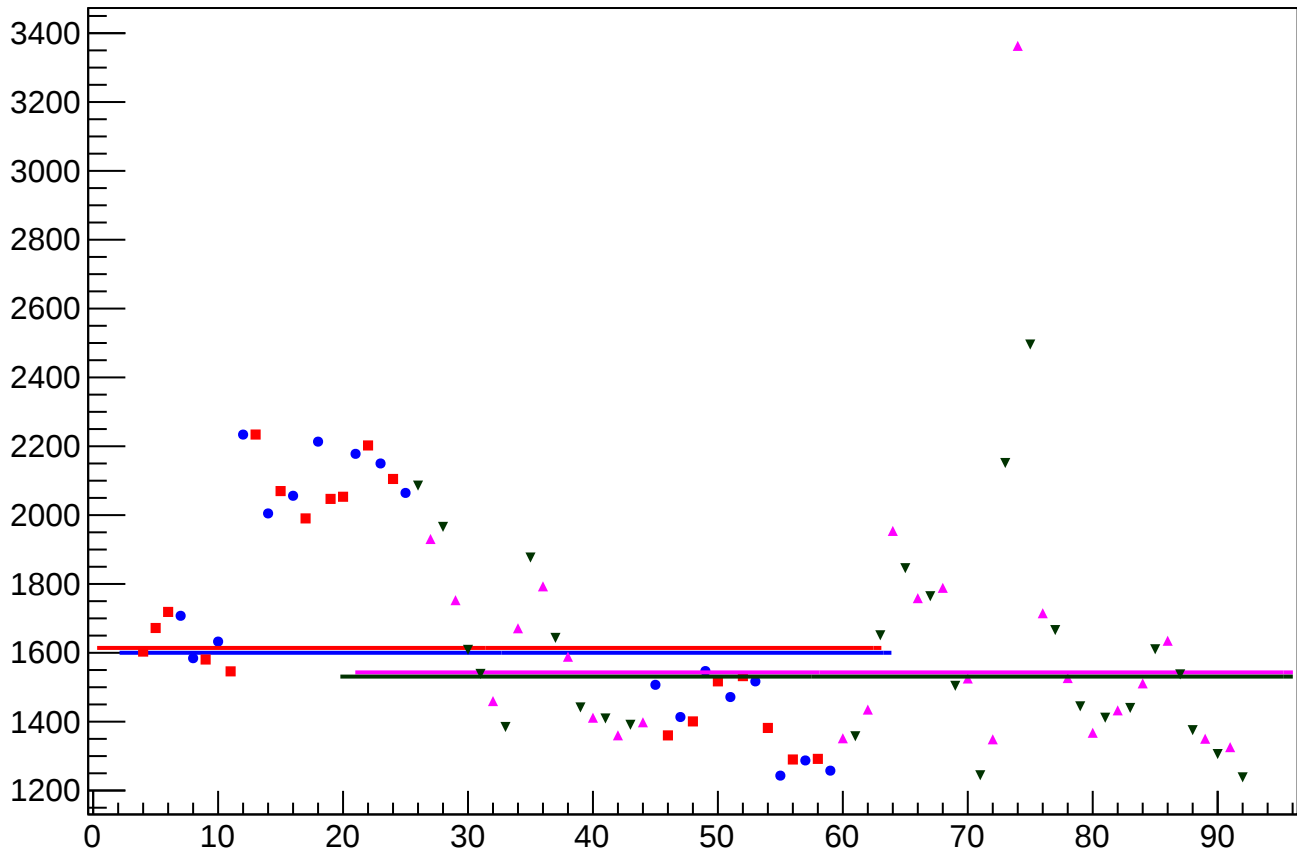
Right Out: -0.513 ± 0.519 $\chi^2/\text{NDF}: 13.6/18$

Left In: -0.459 ± 0.422 $\chi^2/\text{NDF}: 26.2/24$

-0.121 ± 0.320 $\chi^2/\text{NDF}: 43.4/44$

-0.480 ± 0.327 $\chi^2/\text{NDF}: 39.8/43$

diff_bpm4aX_rms vs slug



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

Left Out: 1530.925 $\pm$ 0.300 χ^2 /NDF: 687720.6/26

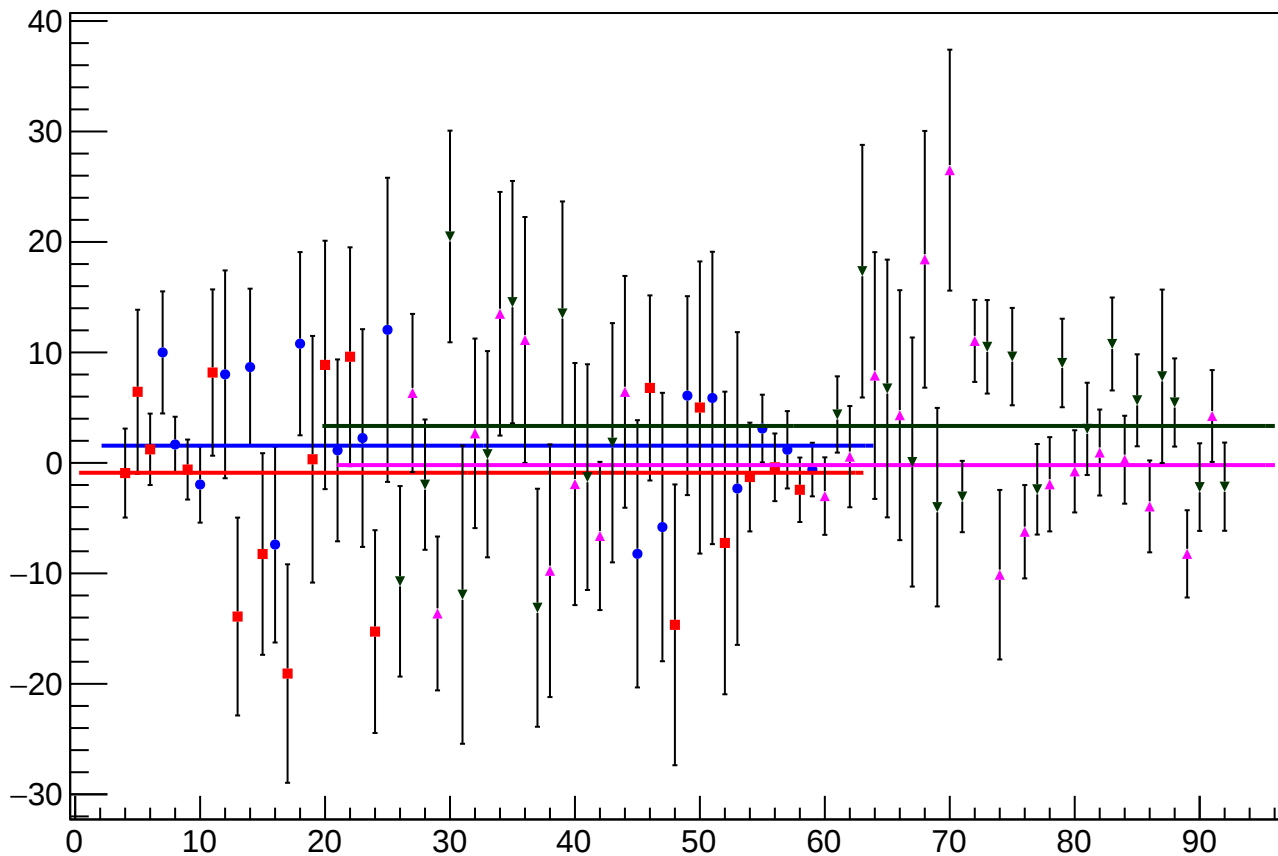
Right Out: 1614.182 $\pm$ 0.367 χ^2 /NDF: 670373.5/18

Left In: 1543.106 $\pm$ 0.298 χ^2 /NDF: 648523.4/24

1560.896 $\pm$ 0.226 χ^2 /NDF: 1560501.3/44

1571.400 $\pm$ 0.232 χ^2 /NDF: 1341476.9/43

diff_bpm4aY_mean vs slug



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

Left Out: 3.344 ± 1.034 χ^2/NDF : 35.7/26

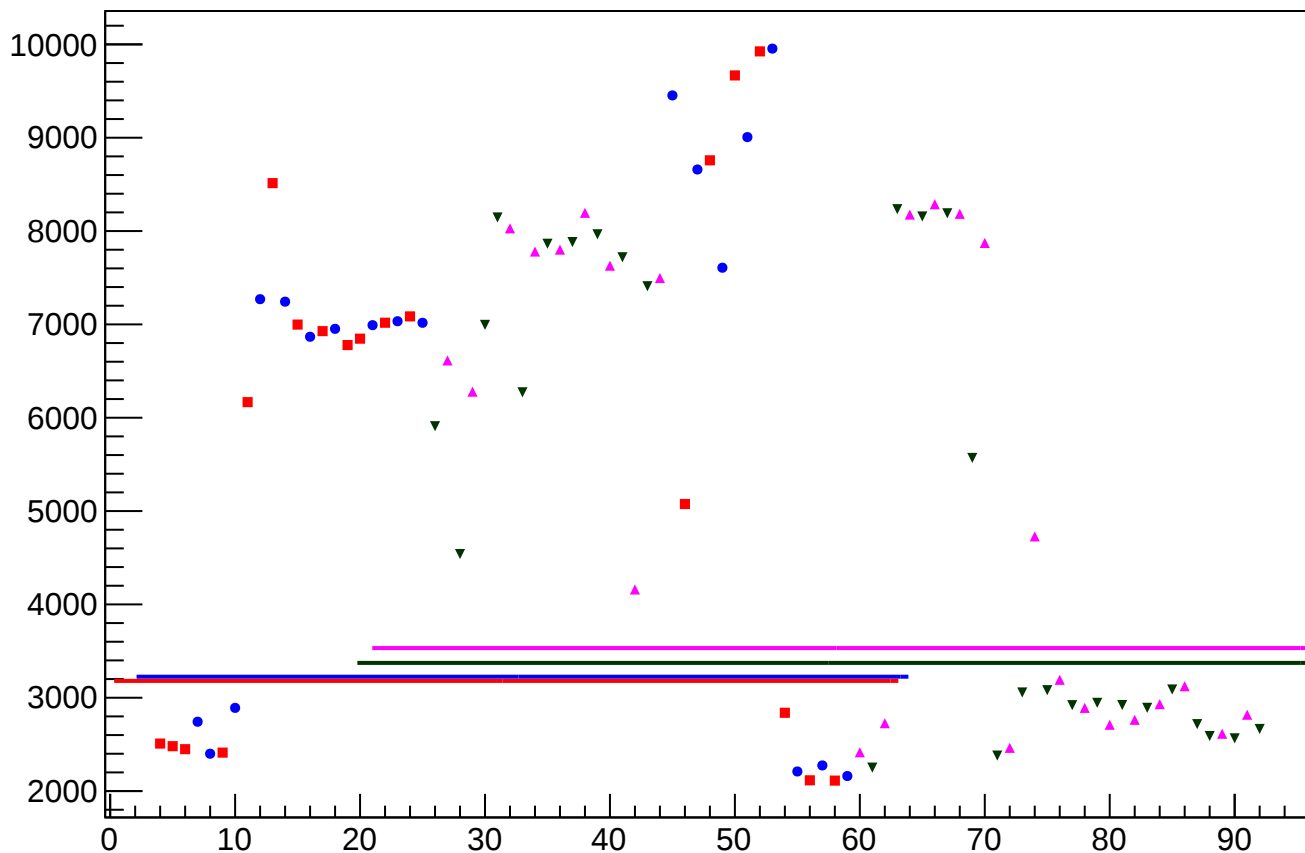
Right Out: -0.892 ± 1.197 χ^2/NDF : 16.1/18

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

2.546 ± 0.768 χ^2/NDF : 47.3/44

-0.510 ± 0.801 χ^2/NDF : 54.7/43

diff_bpm4aY_rms vs slug



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

Left Out: 3373.383+/-0.731 χ^2/NDF :4661129.6/26

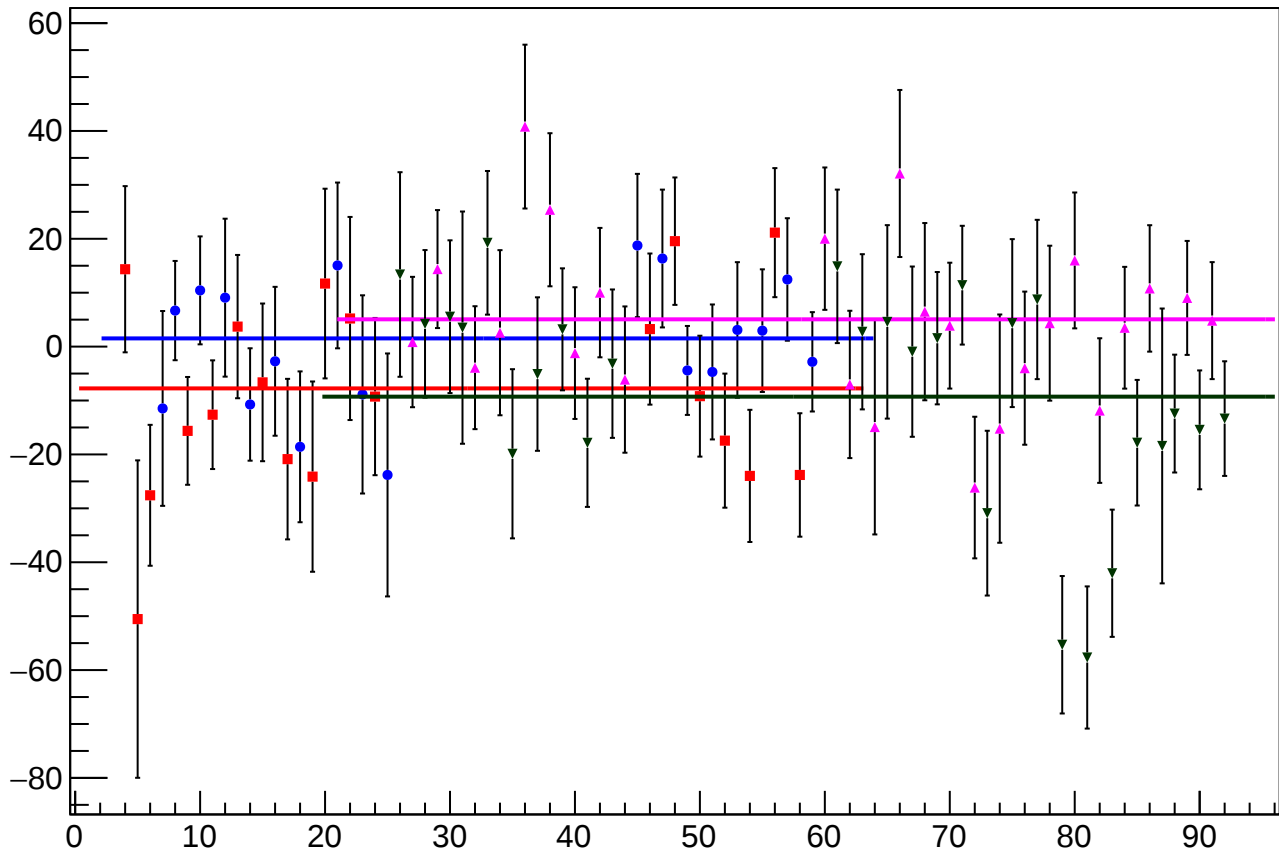
Right Out: 3180.260+/-0.846 χ^2/NDF : 5053490.5/18

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

3307.126+/-0.543 χ^2/NDF : 10540267.1/44

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

diff_bpm4eX_mean vs slug



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

Left Out: -9.284 ± 2.597 $\chi^2/\text{NDF}: 59.3/26$

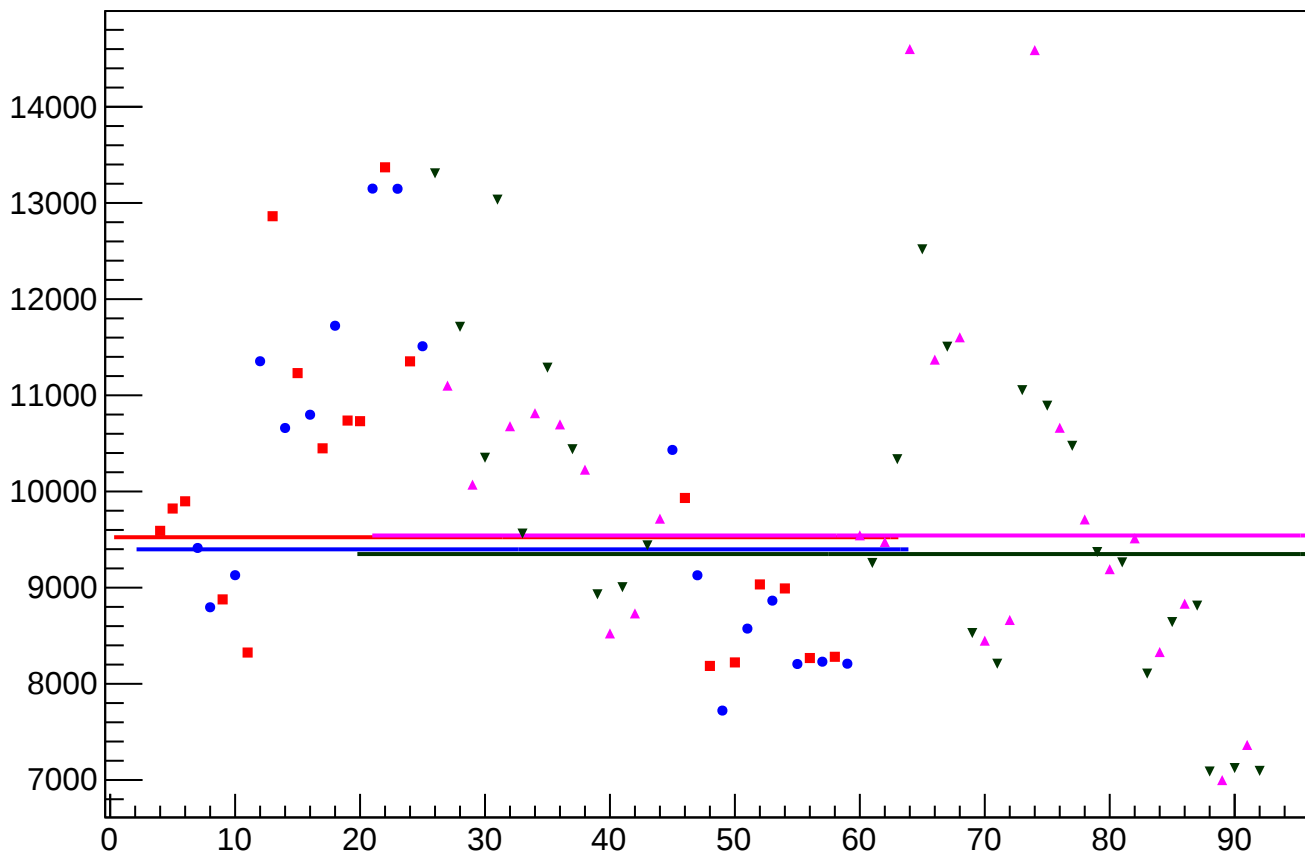
Right Out: -7.752 ± 3.046 $\chi^2/\text{NDF}: 27.5/18$

Left In: 5.061 ± 2.612 $\chi^2/\text{NDF}: 26.0/24$

-4.348 ± 1.914 $\chi^2/\text{NDF}: 80.0/44$

-0.369 ± 1.983 $\chi^2/\text{NDF}: 63.8/43$

diff_bpm4eX_rms vs slug



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

Left Out: 9349.355+/-1.837 χ^2/NDF : 745639.7/26

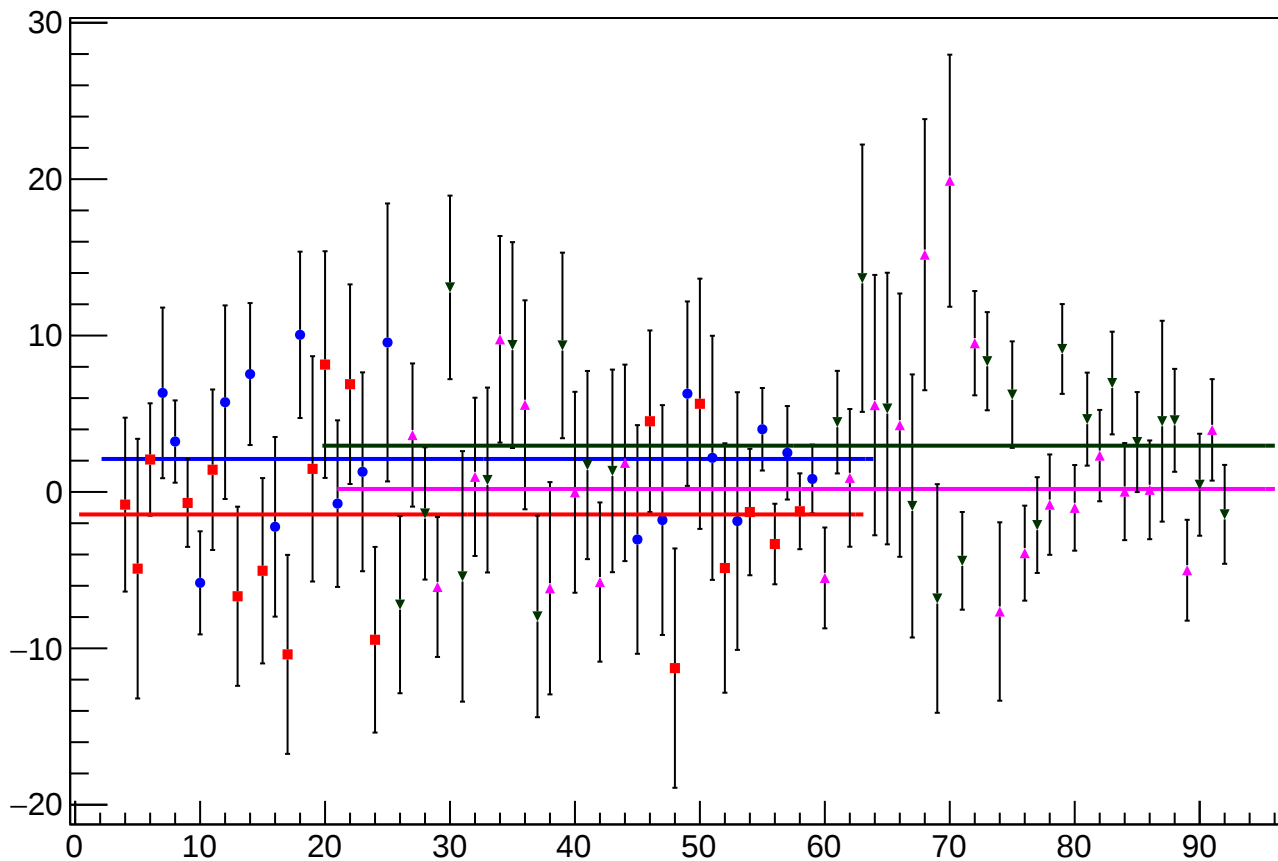
Right Out: 9524.317+/-2.154 χ^2/NDF : 440161.2/18

Left In: 9542.492+/-1.847 χ^2/NDF : 680537.4/24

9371.744+/-1.354 χ^2/NDF : 1300837.2/44

9534.790+/-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: 2.959 ± 0.797 χ^2/NDF : 38.9/26

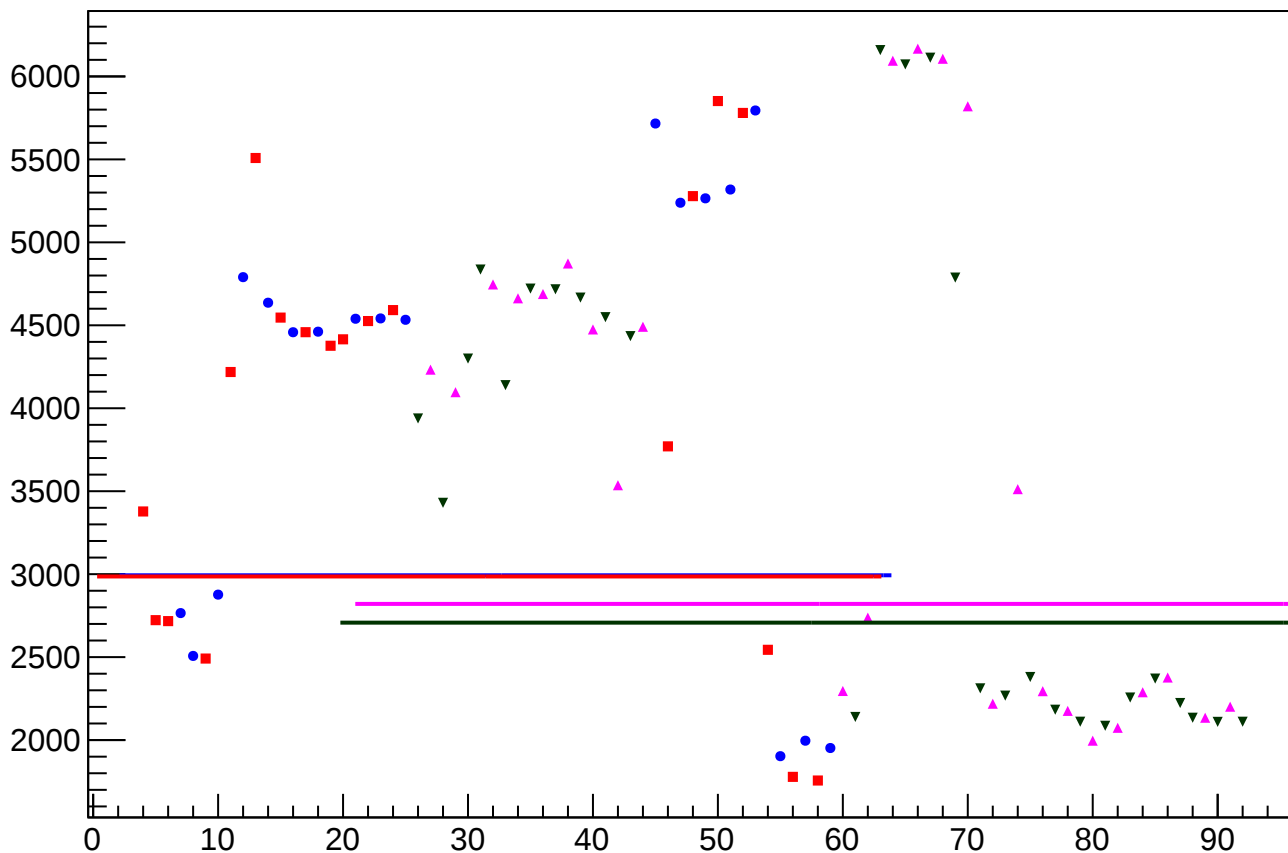
2.620 ± 0.618 χ^2/NDF : 53.9/44

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: 2707.788 $\pm$ 0.564 χ^2 /NDF: 3257226.1/26

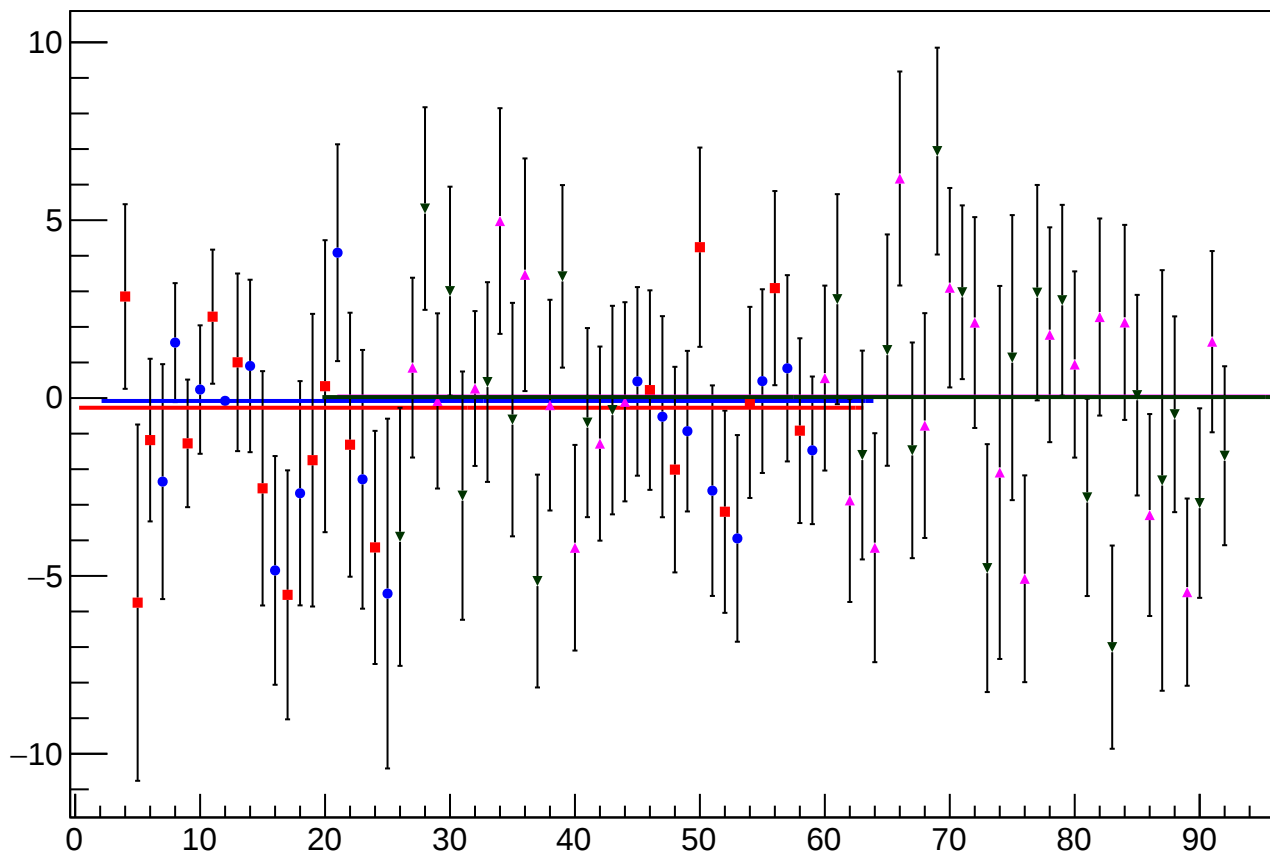
Right Out: 2986.116 $\pm$ 0.736 χ^2 /NDF: 2945634.2/18

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

2821.605 $\pm$ 0.437 χ^2 /NDF: 6677553.7/44

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

diff_bpm4acX_mean vs slug



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

Left Out: 0.028 ± 0.569 $\chi^2/\text{NDF}: 32.8/26$

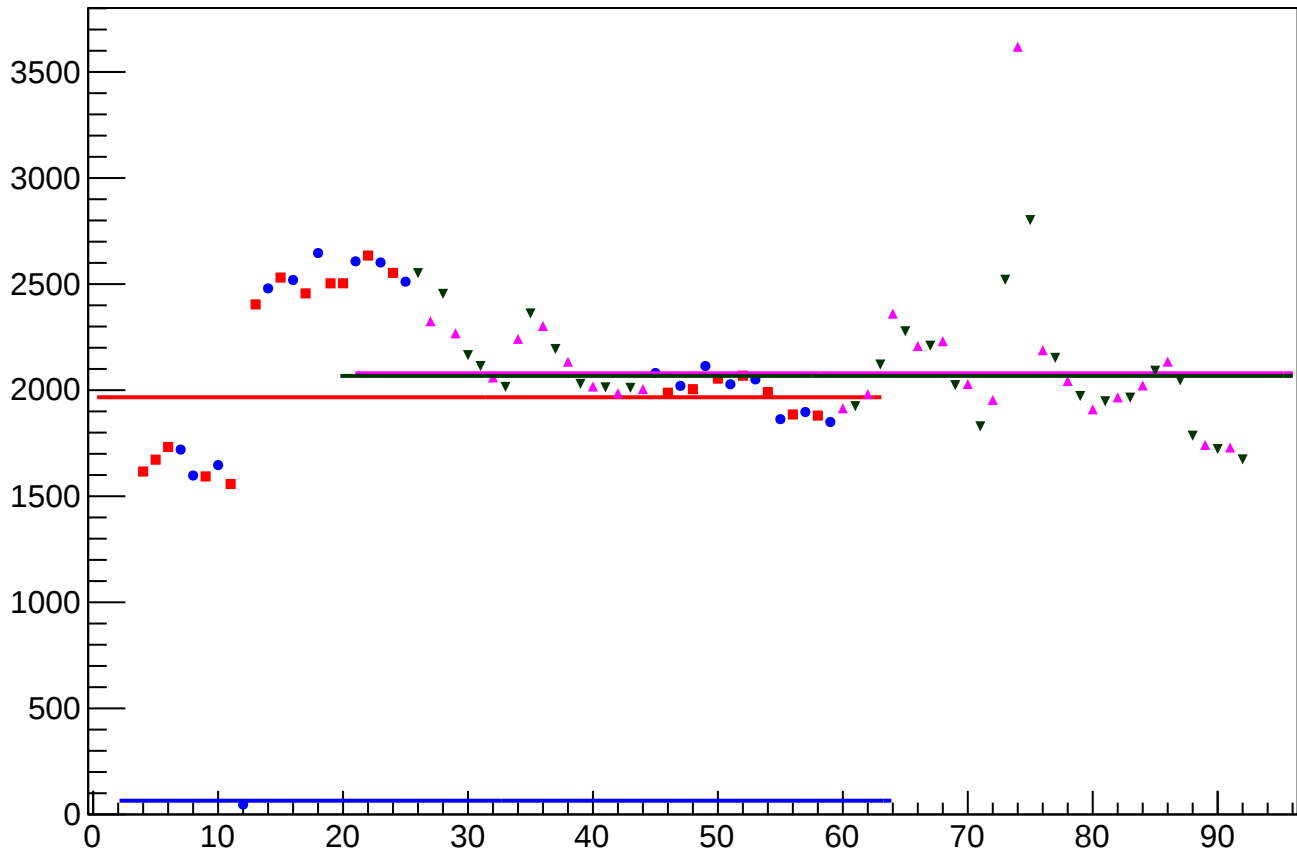
Right Out: -0.272 ± 0.631 $\chi^2/\text{NDF}: 15.3/18$

Left In: 0.043 ± 0.565 $\chi^2/\text{NDF}: 25.8/24$

-0.081 ± 0.060 $\chi^2/\text{NDF}: 44.1/44$

-0.097 ± 0.421 $\chi^2/\text{NDF}: 41.2/43$

diff_bpm4acX_rms vs slug



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

Left Out: 2067.373+/-0.402 χ^2 /NDF:350037.2/26

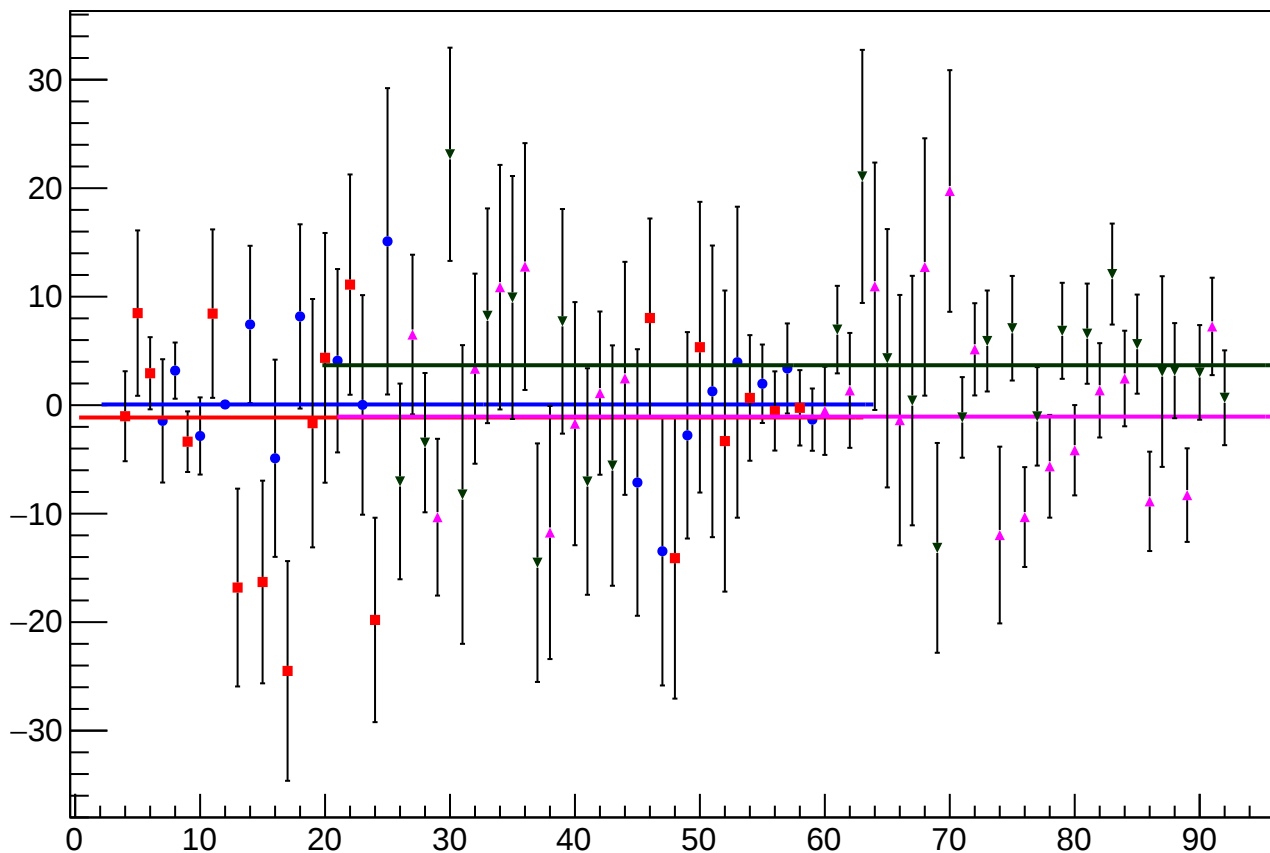
Right Out: 1966.634+/-0.446 χ^2 /NDF: 610680.3/18

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

86.970+/-0.042 χ^2 /NDF: 45111776.5/44

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

diff_bpm4acY_mean vs slug



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

Left Out: 3.680 ± 1.139 χ^2/NDF : 26.8/26

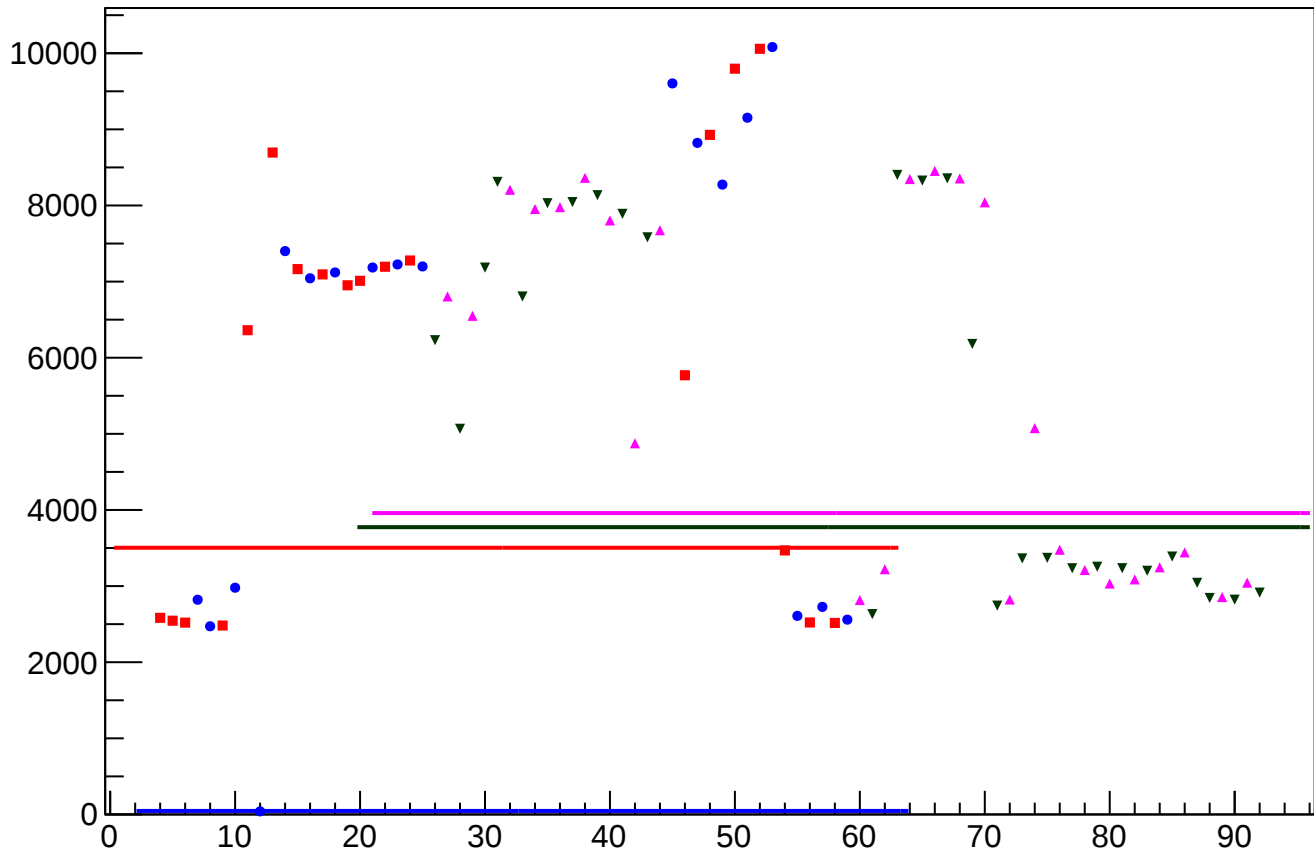
Right Out: -1.137 ± 1.295 χ^2/NDF : 24.2/18

Left In: -1.056 ± 1.187 χ^2/NDF : 32.3/24

0.073 ± 0.052 χ^2/NDF : 45.5/44

-1.093 ± 0.875 χ^2/NDF : 56.6/43

diff_bpm4acY_rms vs slug



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

Left Out: 3774.104+/-0.805 χ^2/NDF :4164042.6/26

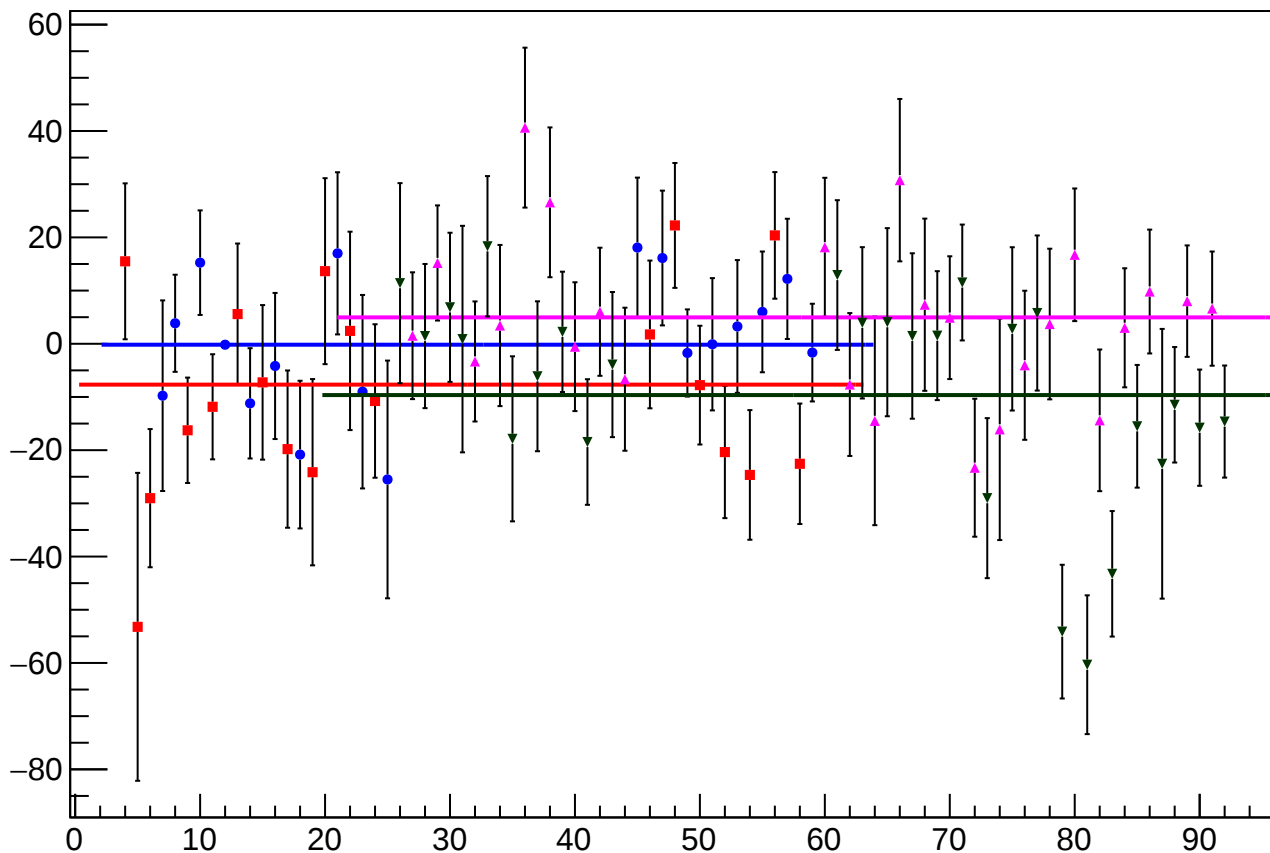
Right Out: 3503.720+/-0.916 χ^2/NDF : 4669685.2/18

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

54.041+/-0.037 χ^2/NDF : 45738746.1/44

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: -9.641 ± 2.572 χ^2/NDF : 59.7/26

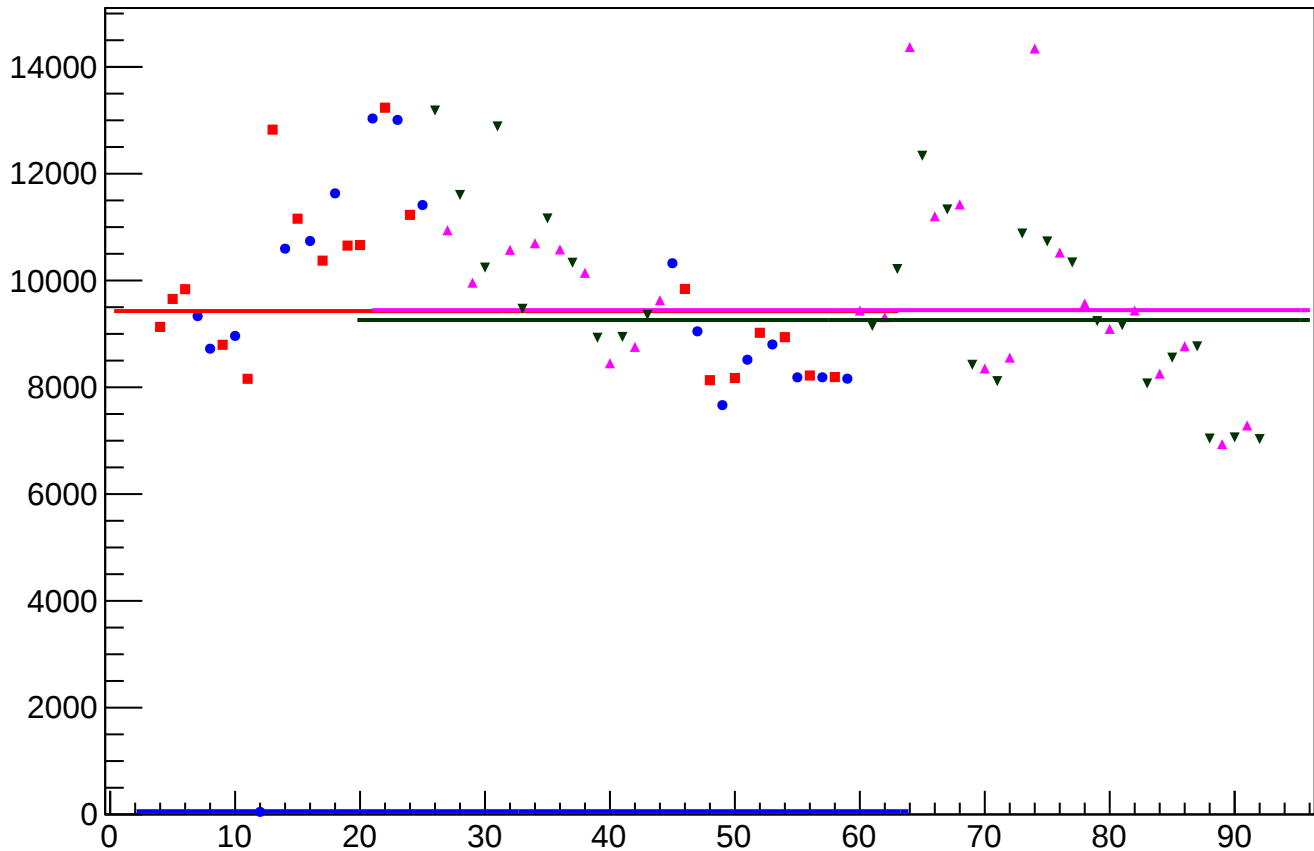
Right Out: -7.679 ± 3.015 χ^2/NDF : 30.2/18

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

-0.190 ± 0.106 χ^2/NDF : 87.6/44

-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: 9260.018 $\pm$ 1.819 χ^2 /NDF: 732194.4/26

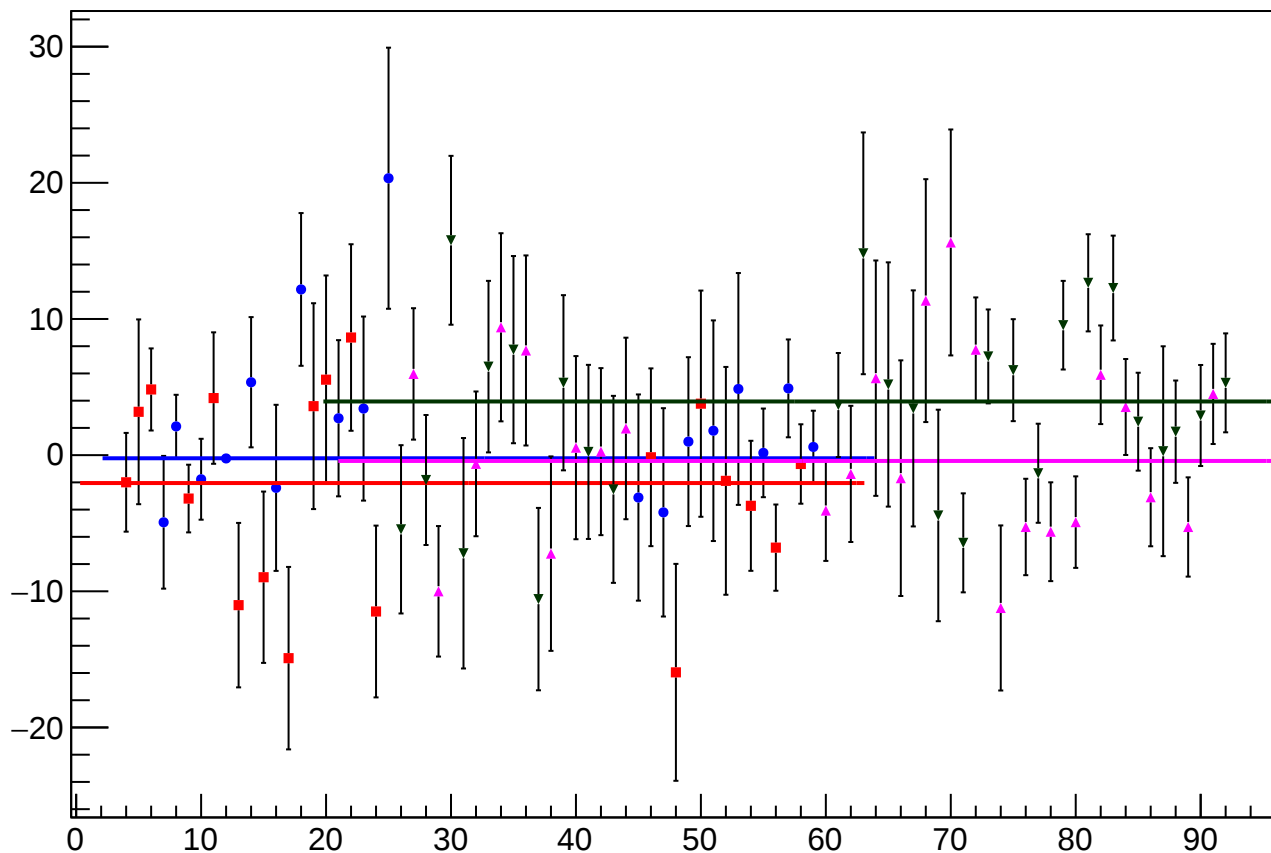
Right Out: 9427.549 $\pm$ 2.132 χ^2 /NDF: 447350.4/18

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

76.475 $\pm$ 0.075 χ^2 /NDF: 47391158.8/44

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: 3.941 ± 0.901 χ^2/NDF : 44.4/26

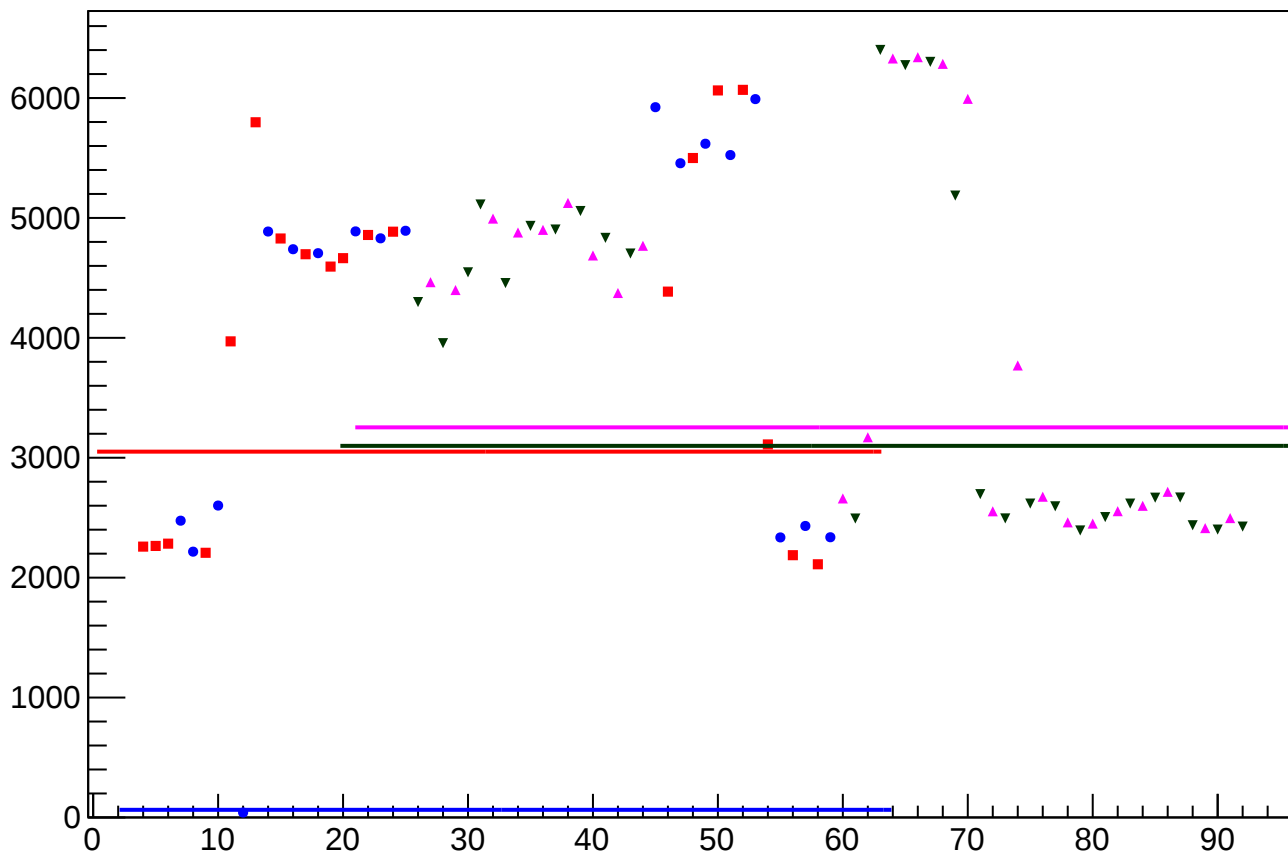
Right Out: -2.049 ± 1.055 χ^2/NDF : 27.2/18

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

-0.189 ± 0.089 χ^2/NDF : 82.4/44

-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: 3099.141 $\pm$ 0.637 χ^2 /NDF: 2754003.5/26

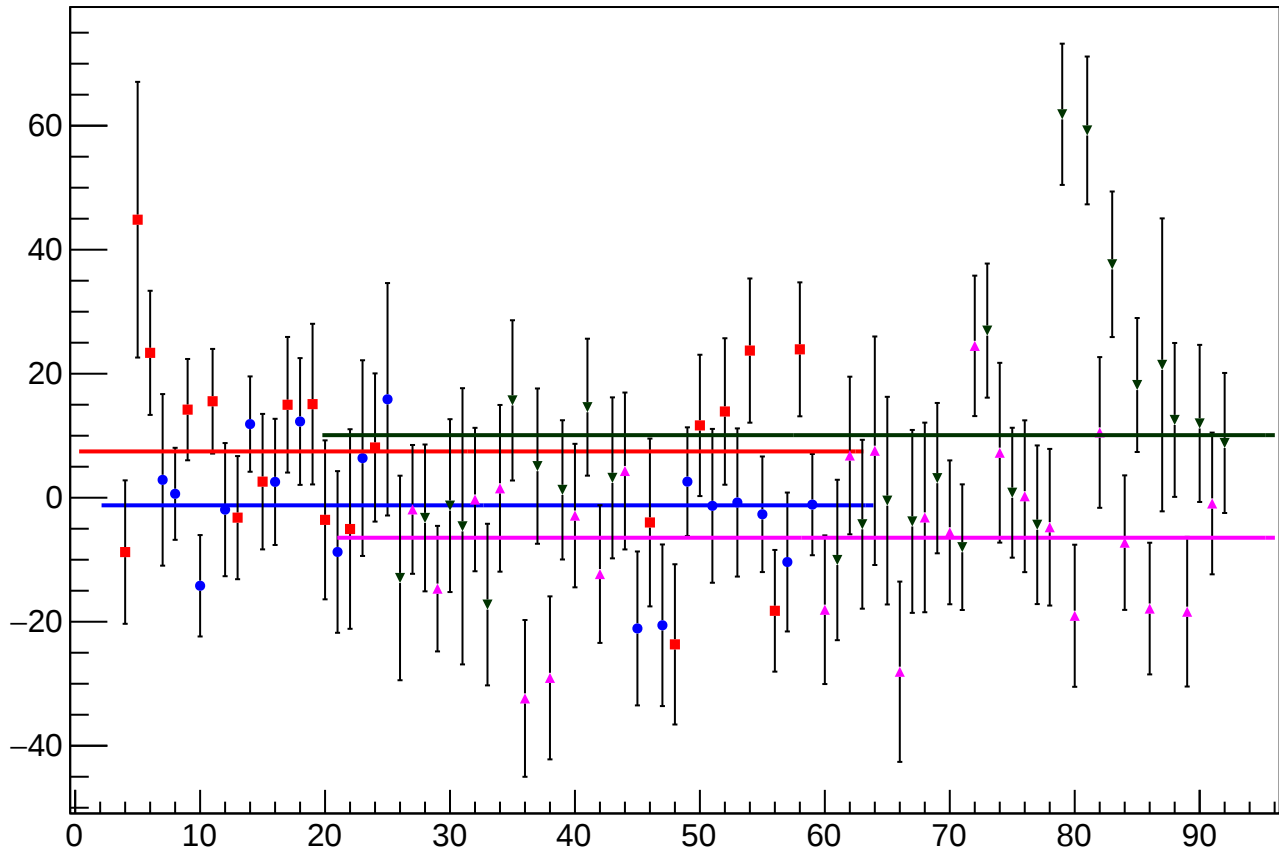
Right Out: 3050.872 $\pm$ 0.746 χ^2 /NDF: 2882138.2/18

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

93.596 $\pm$ 0.063 χ^2 /NDF: 45508914.9/44

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

diff_bpm1X_mean vs slug



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

Left Out: 10.091 ± 2.418 χ^2/NDF : 67.0/26

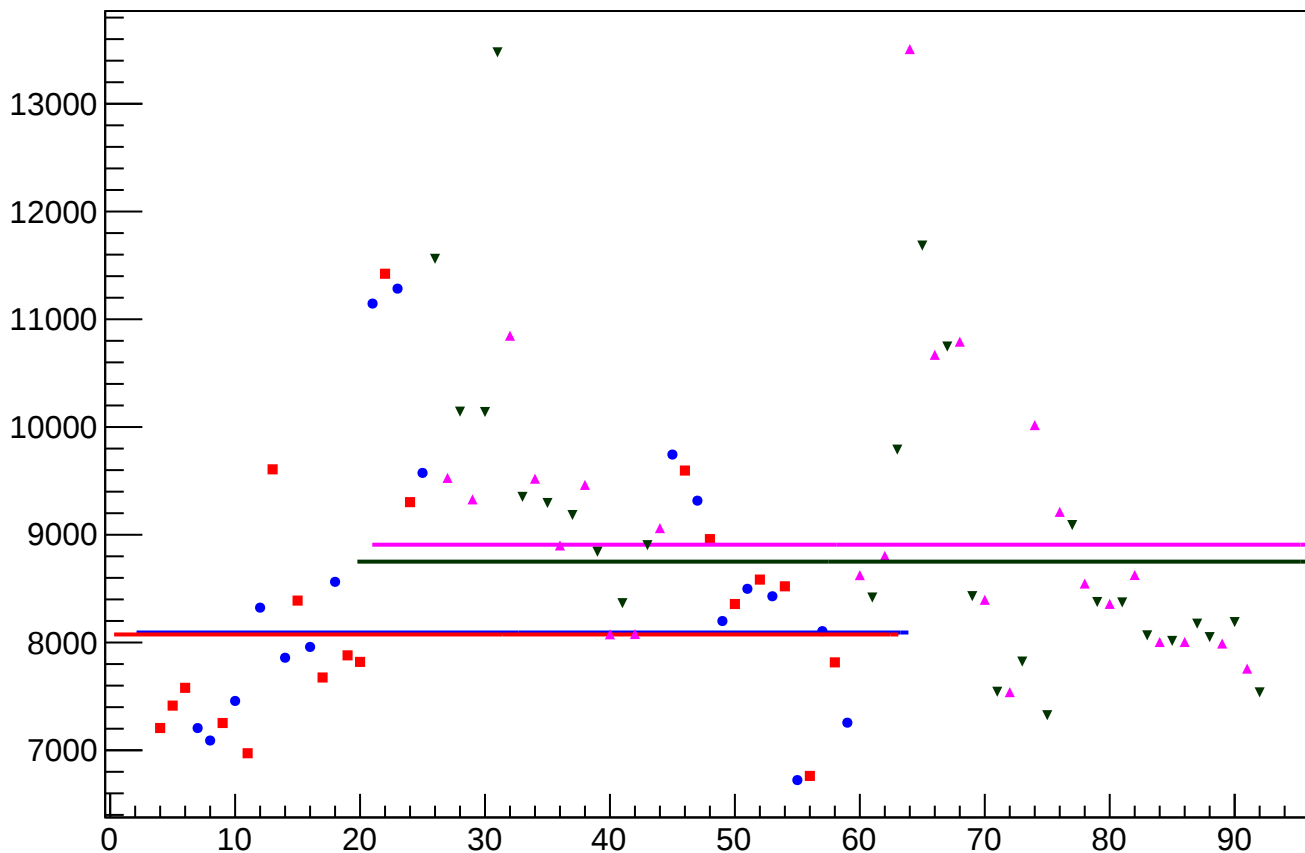
Right Out: 7.465 ± 2.574 χ^2/NDF : 30.5/18

Left In: -6.454 ± 2.424 χ^2/NDF : 28.8/24

4.460 ± 1.714 χ^2/NDF : 92.4/44

0.088 ± 1.765 χ^2/NDF : 74.8/43

diff_bpm1X_rms vs slug



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

Left Out: 8750.674 $\pm$ 1.710 χ^2 /NDF:457430.4/26

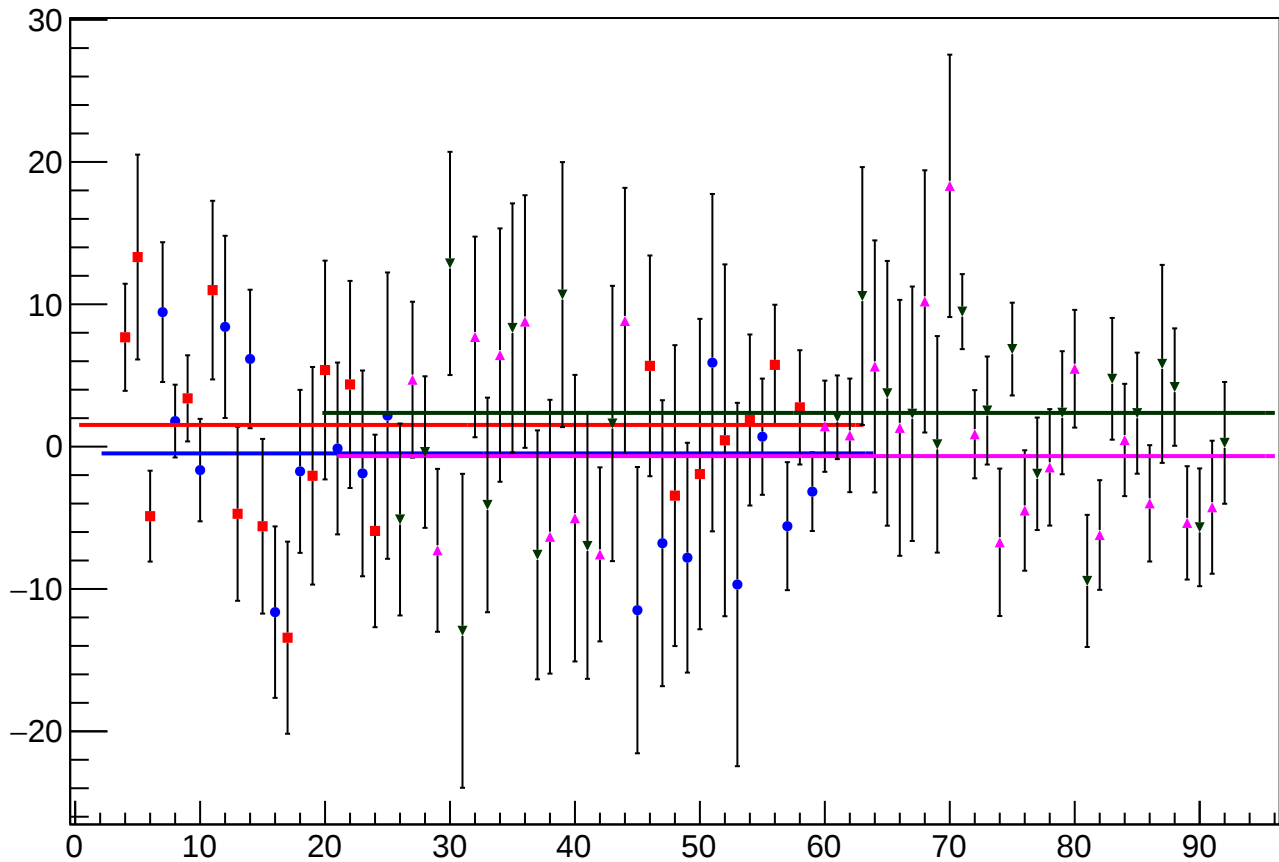
Right Out: 8074.654 $\pm$ 1.820 χ^2 /NDF: 312658.9/18

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

8423.470 $\pm$ 1.212 χ^2 /NDF: 920420.8/44

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: 2.369 ± 0.952 χ^2/NDF : 32.1/26

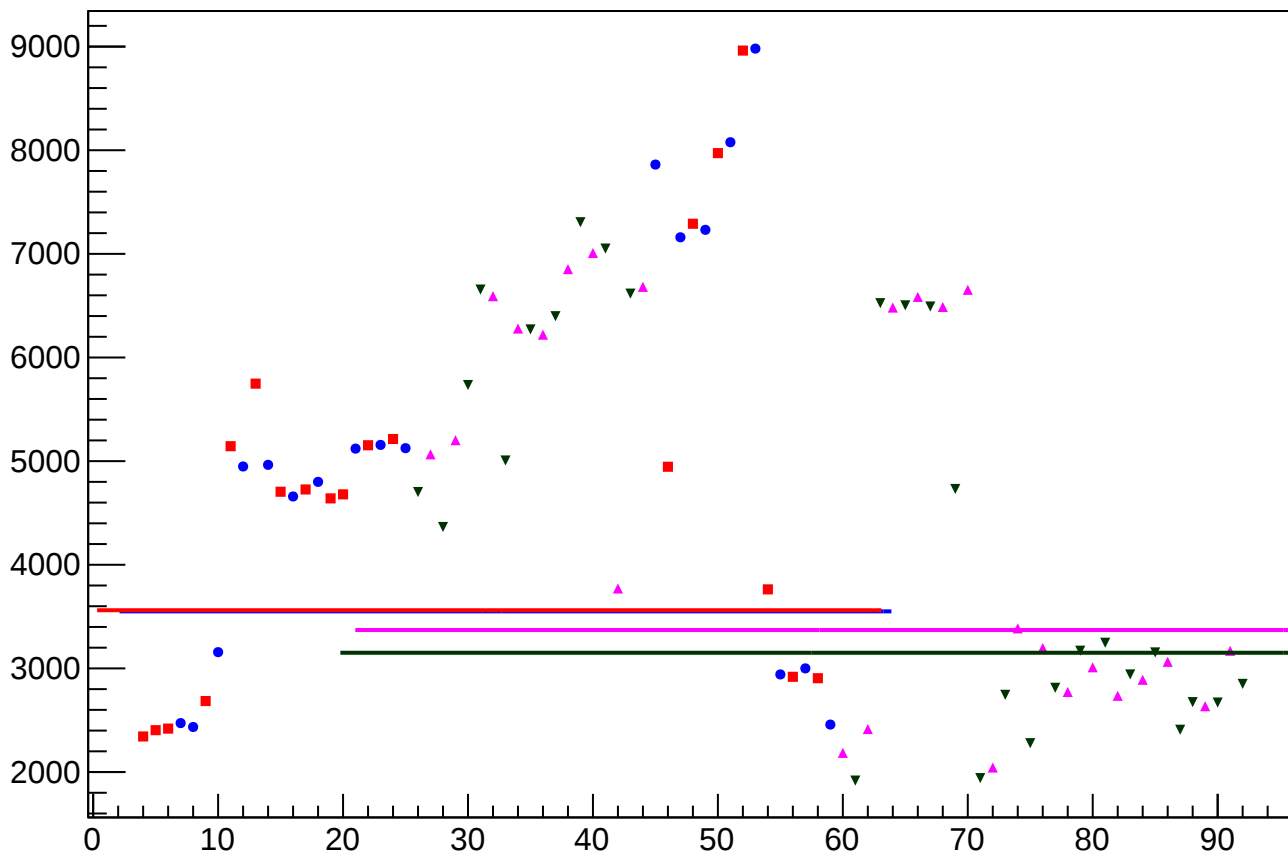
Right Out: 1.525 ± 1.232 χ^2/NDF : 22.9/18

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

1.225 ± 0.736 χ^2/NDF : 53.6/44

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: 3151.042+/-0.673 χ^2/NDF : 4233813.1/26

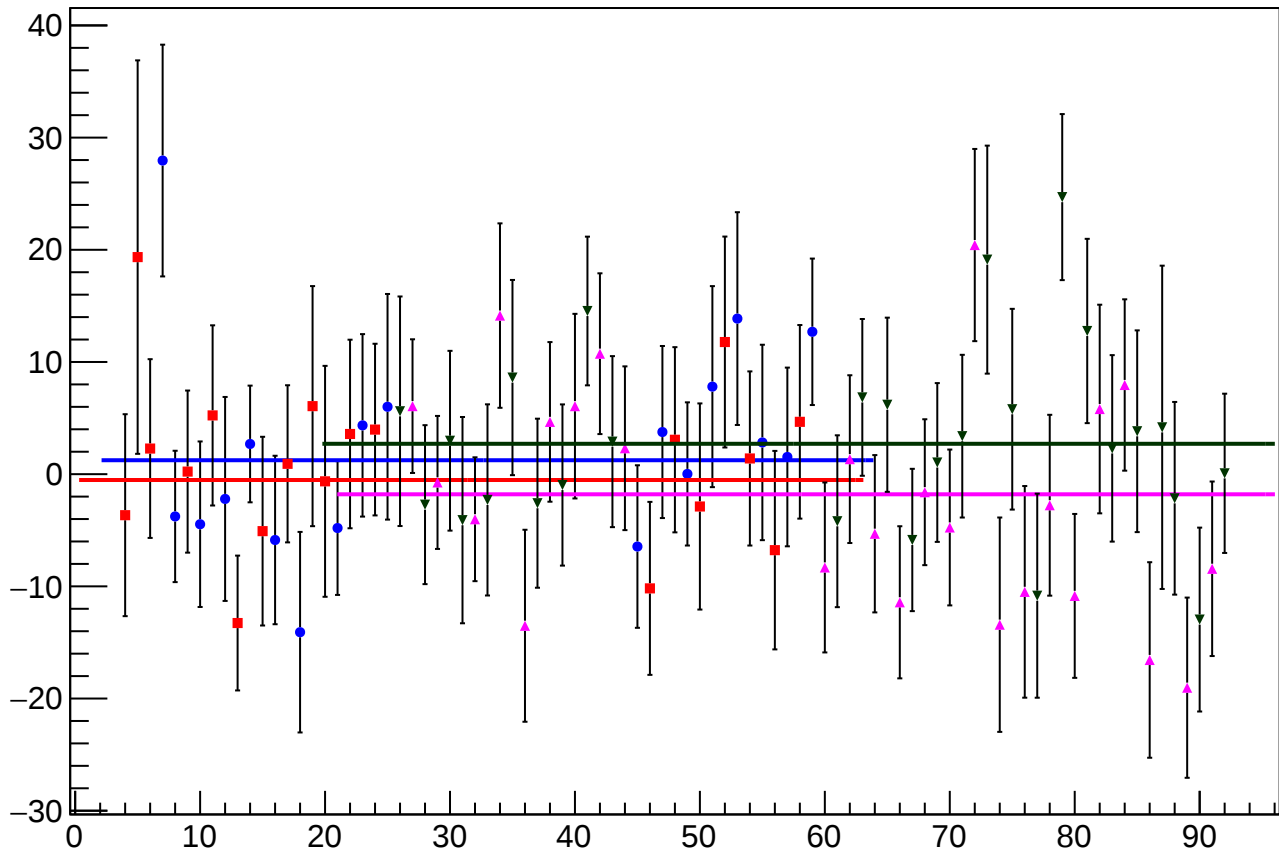
Right Out: 3561.233+/-0.871 χ^2/NDF : 2618224.4/18

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

3311.658+/-0.521 χ^2/NDF : 7669237.1/44

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: 2.708 ± 1.532 χ^2/NDF : 28.6/26

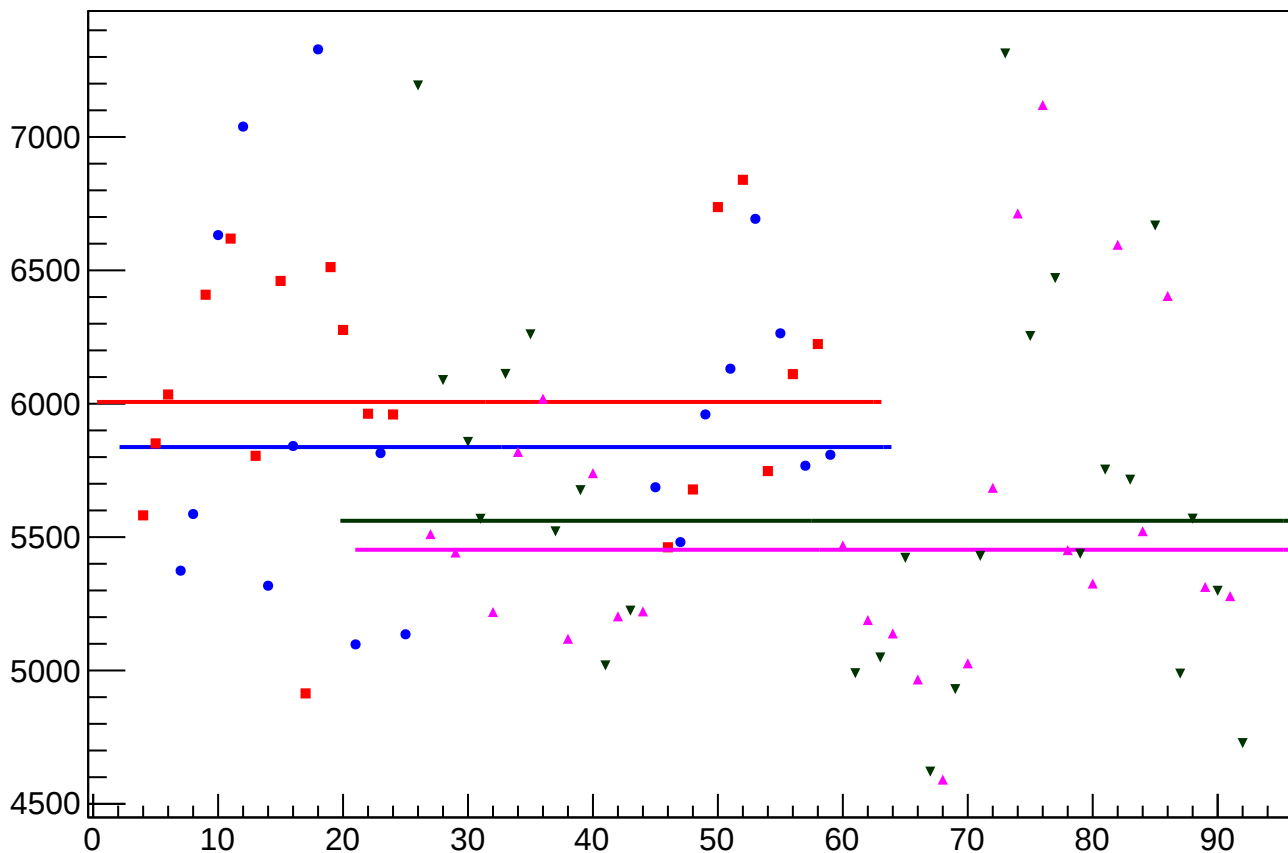
Right Out: -0.521 ± 1.907 χ^2/NDF : 12.3/18

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

2.072 ± 1.153 χ^2/NDF : 49.2/44

-1.315 ± 1.169 χ^2/NDF : 49.7/43

diff_bpm11X_rms vs slug



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

Left Out: 5561.183 $\pm$ 1.083 χ^2 /NDF:343730.6/26

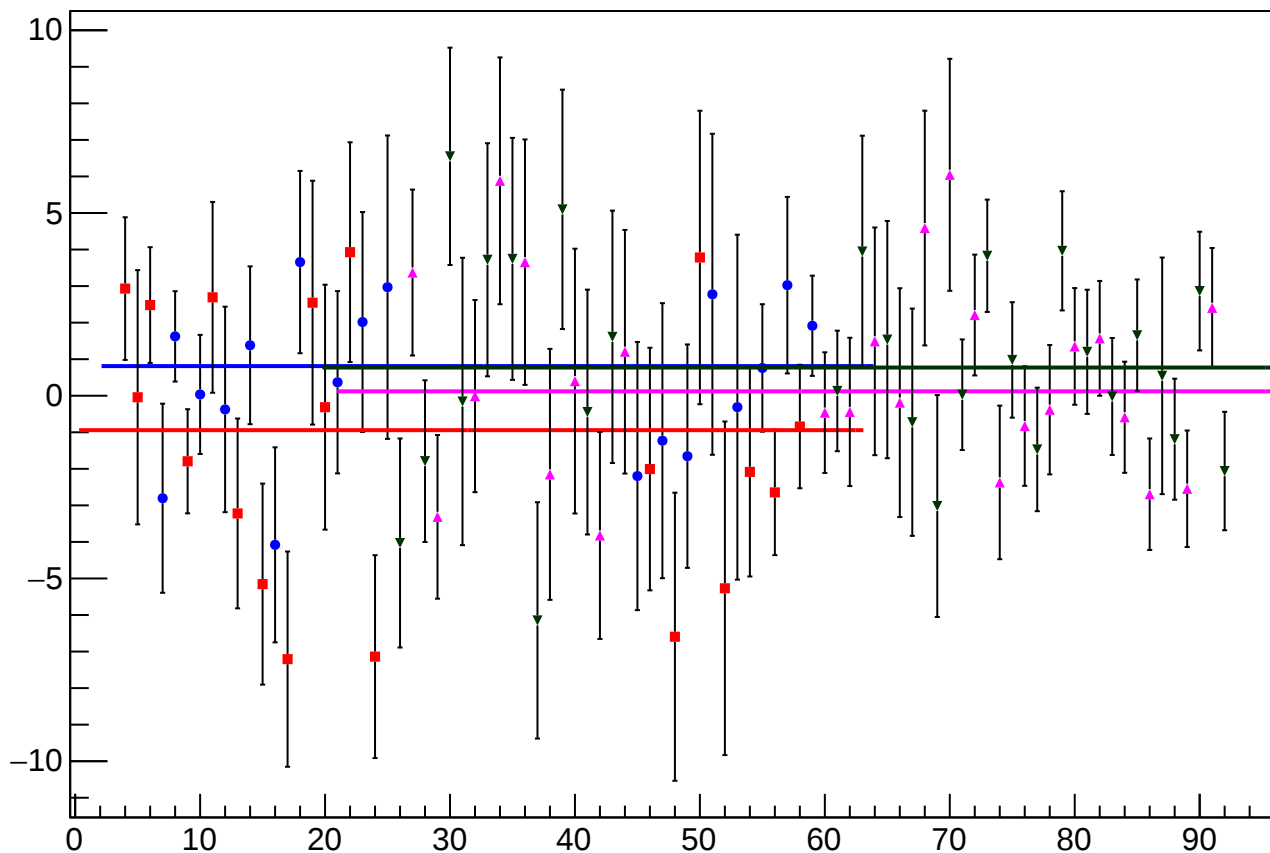
Right Out: 6006.736 $\pm$ 1.348 χ^2 /NDF: 130455.1/18

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

5680.985 $\pm$ 0.815 χ^2 /NDF: 583261.1/44

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

diff_bpm11Y_mean vs slug



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

Left Out: 0.772 ± 0.402 χ^2/NDF : 35.7/26

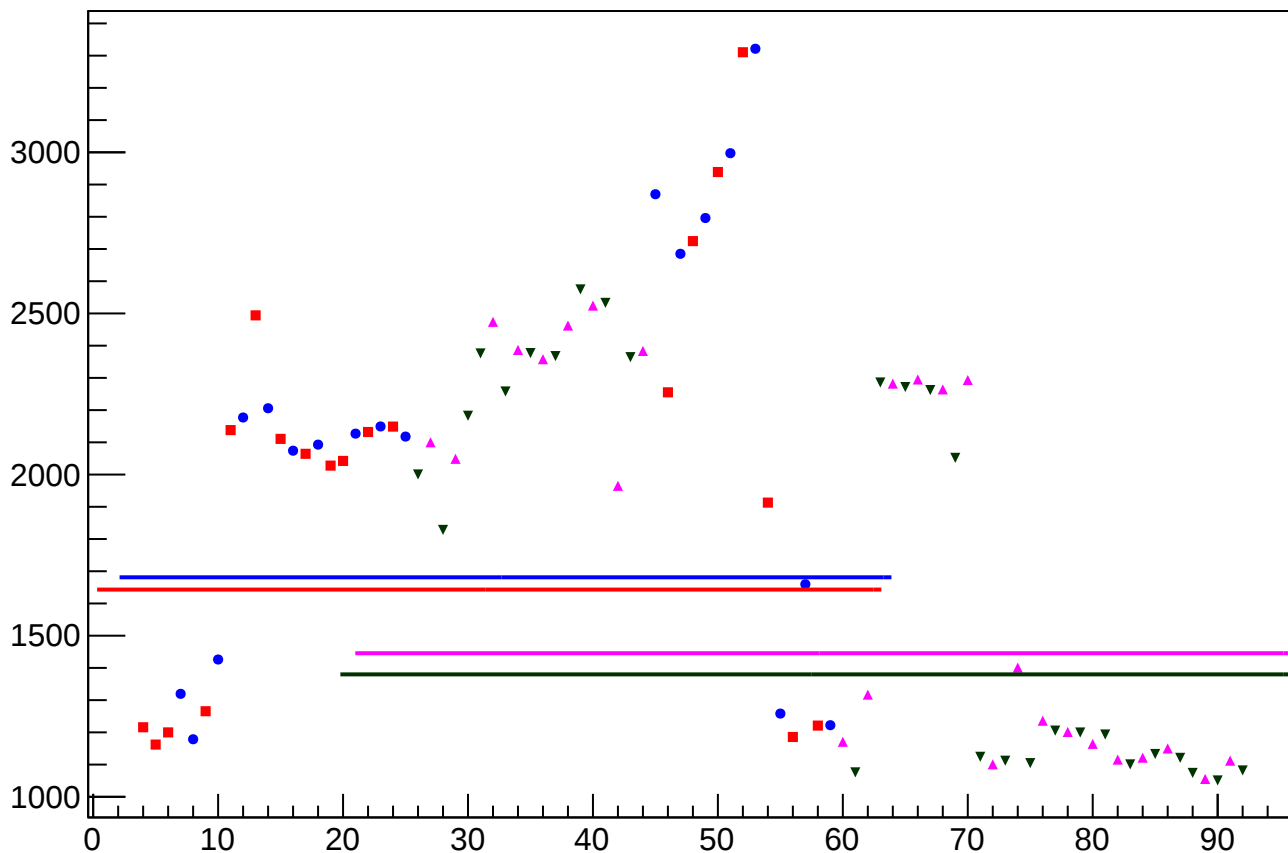
Right Out: -0.942 ± 0.553 χ^2/NDF : 32.9/18

Left In: 0.120 ± 0.415 χ^2/NDF : 30.0/24

0.786 ± 0.320 χ^2/NDF : 47.1/44

-0.263 ± 0.332 χ^2/NDF : 65.3/43

diff_bpm11Y_rms vs slug



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

Left Out: 1379.919 ± 0.284 χ^2/NDF : 2869534.3/26

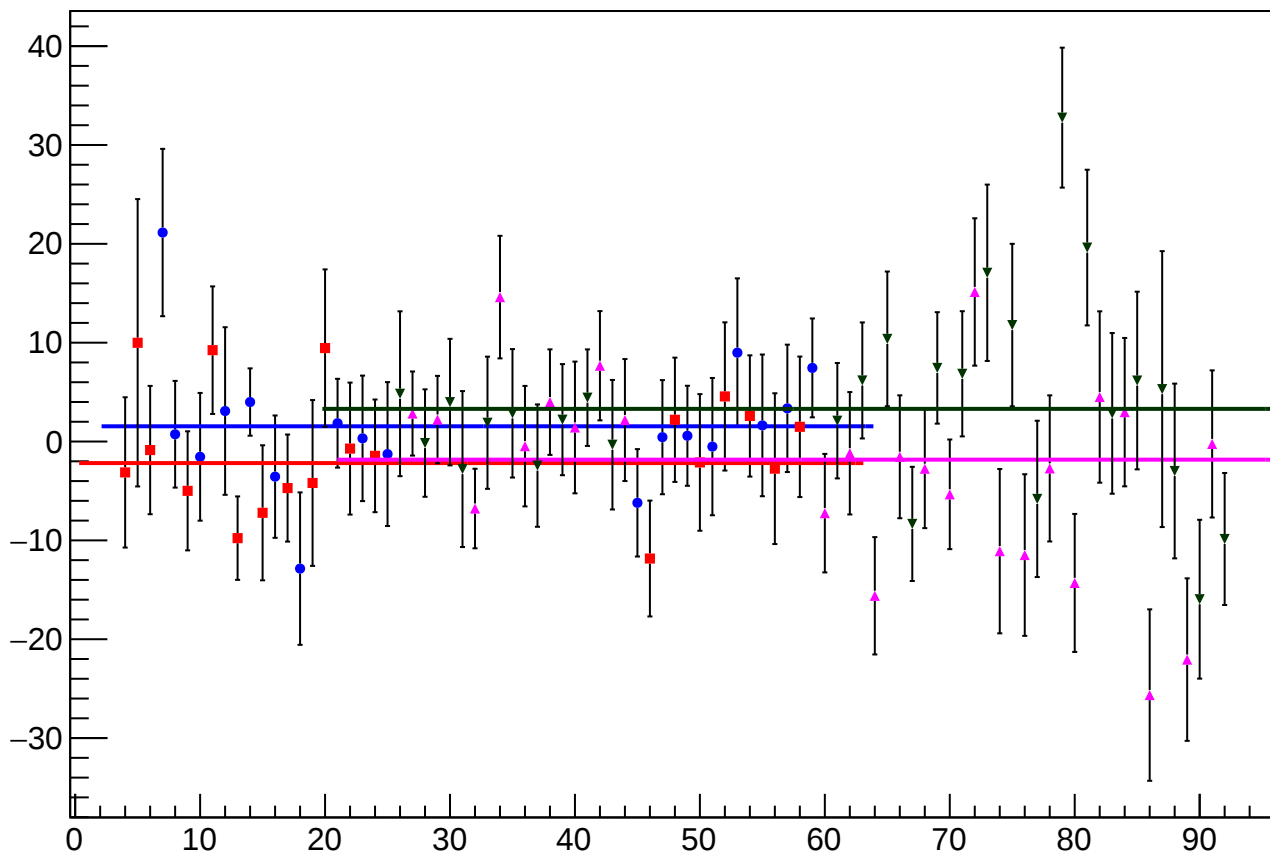
Right Out: 1643.071 ± 0.391 χ^2/NDF : 1969332.5/18

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

1489.234 ± 0.227 χ^2/NDF : 5490976.8/44

1516.753 ± 0.235 χ^2/NDF : 4937343.9/43

diff_bpm12X_mean vs slug



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

Left Out: 3.304 $\pm$ 1.305 χ^2 /NDF: 45.3/26

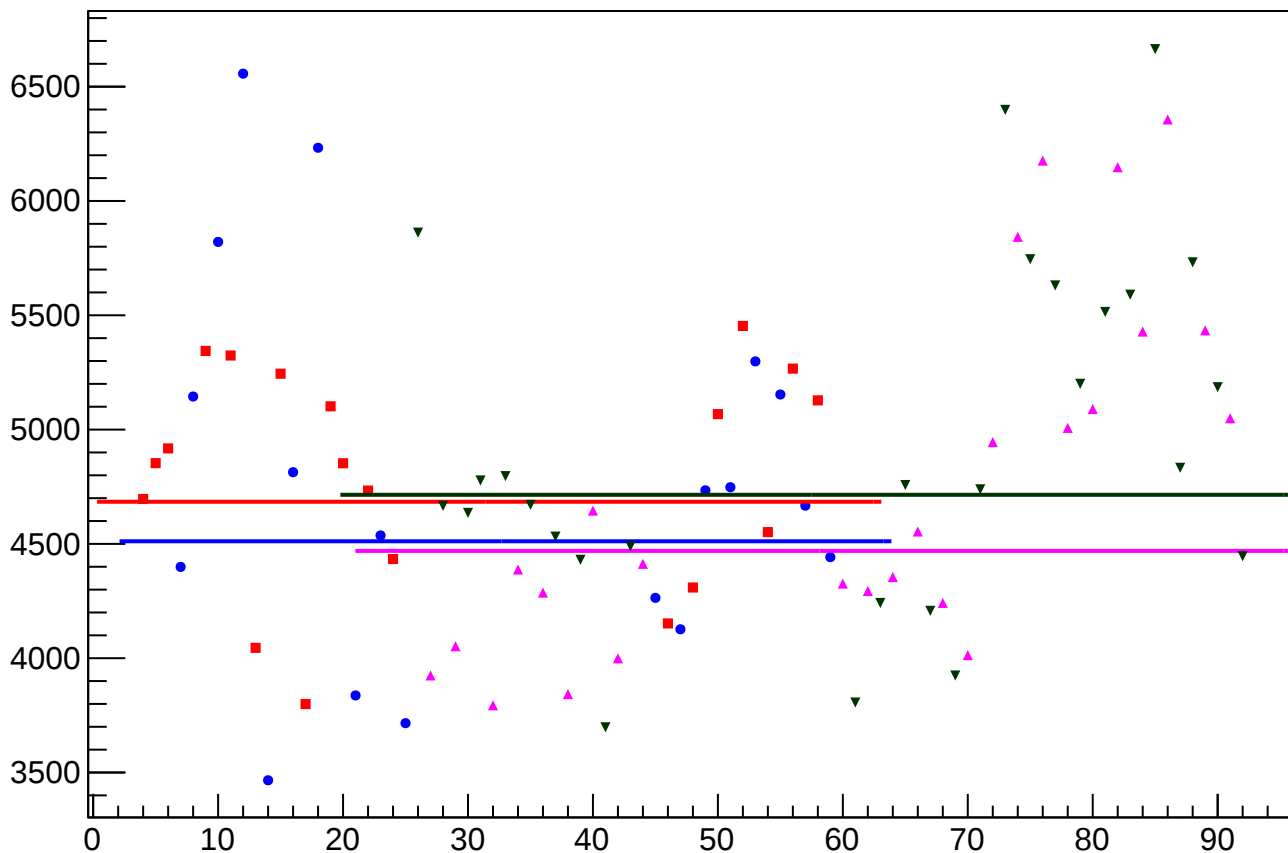
Right Out: -2.180 $\pm$ 1.492 χ^2 /NDF: 15.2/18

Left In: -1.835 $\pm$ 1.222 χ^2 /NDF: 47.7/24

2.465 $\pm$ 0.945 χ^2 /NDF: 61.3/44

-1.973 $\pm$ 0.946 χ^2 /NDF: 63.0/43

diff_bpm12X_rms vs slug



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

Left Out: 4714.760+/-0.923 χ^2/NDF : 564626.3/26

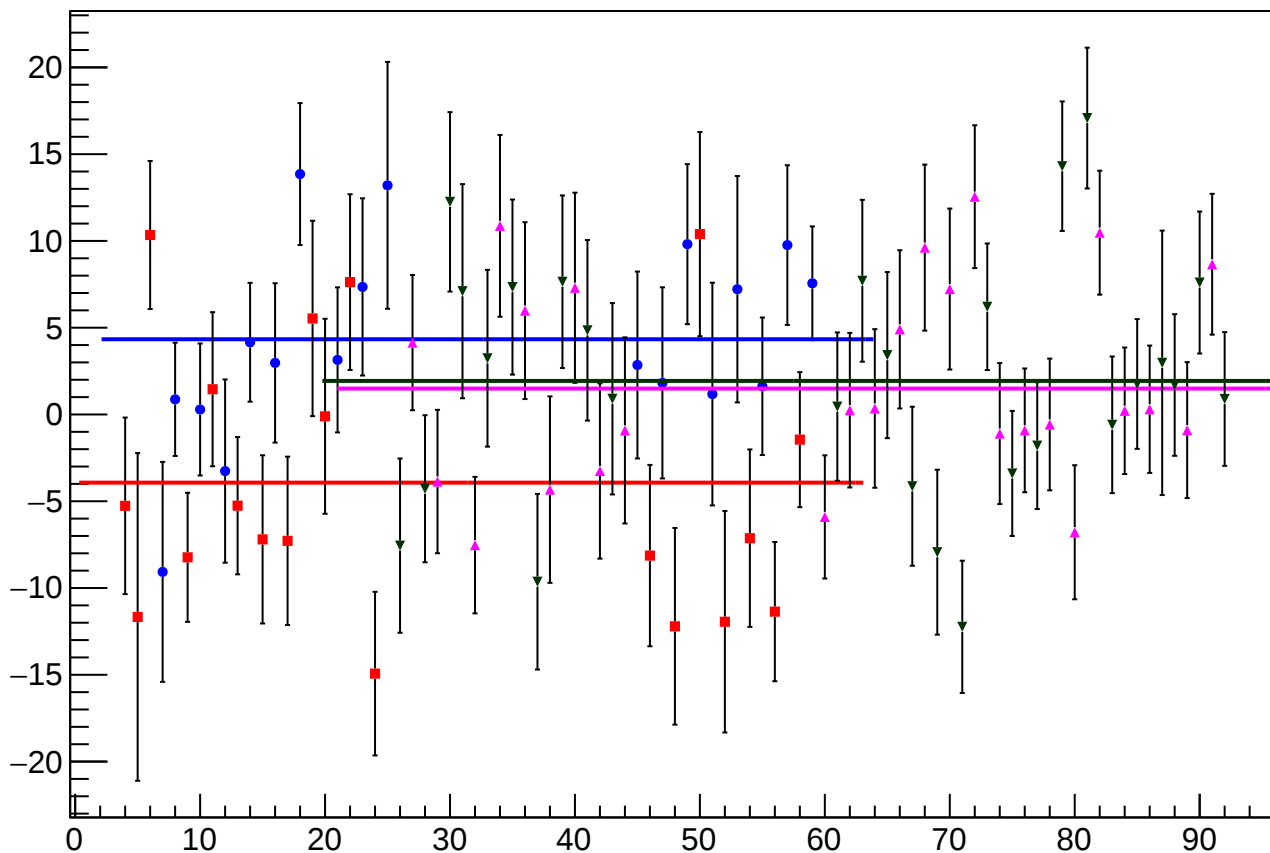
Right Out: 4684.391+/-1.055 χ^2/NDF : 240230.9/18

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

4617.974+/-0.668 χ^2/NDF : 1234716.2/44

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

diff_bpm12Y_mean vs slug



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

Left Out: 1.934 ± 0.848 χ^2/NDF : 72.1/26

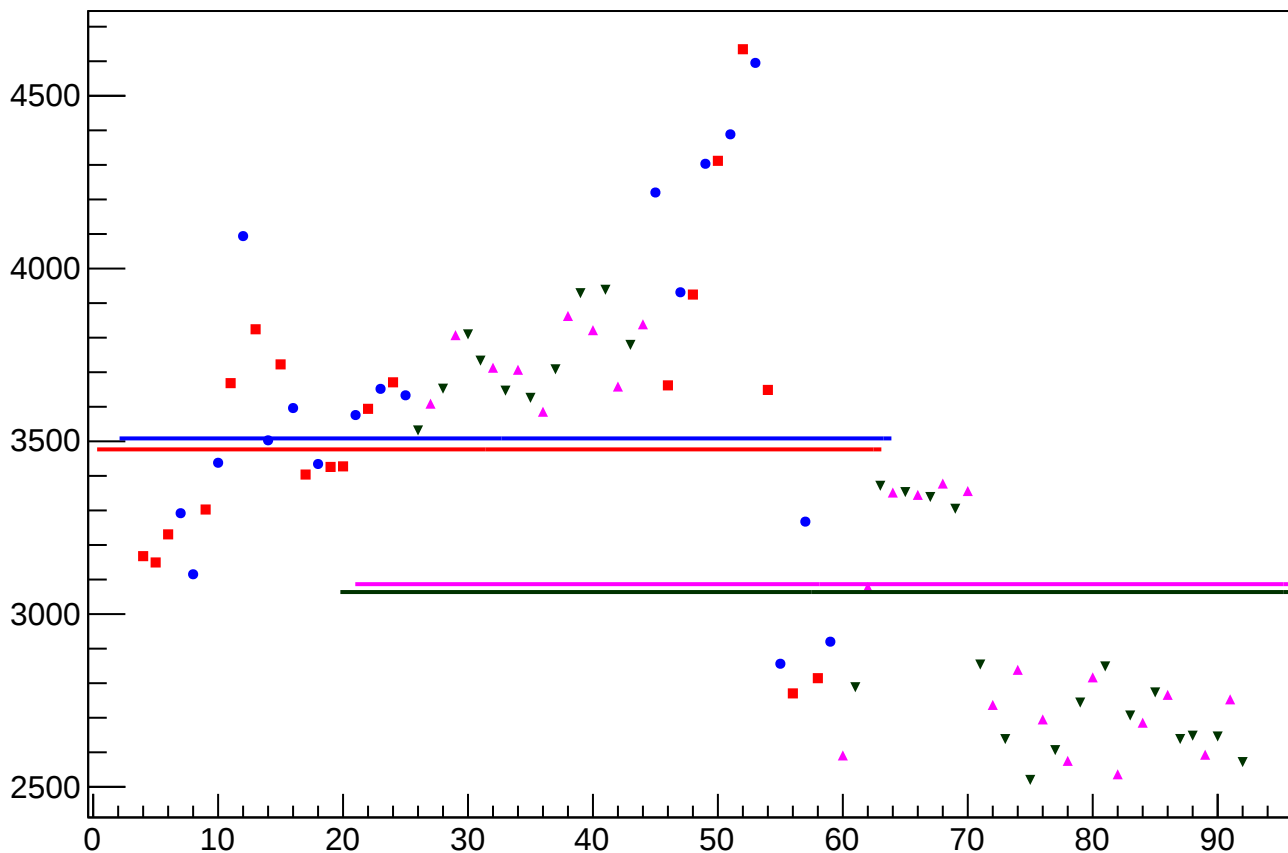
Right Out: -3.927 ± 1.110 χ^2/NDF : 44.2/18

Left In: 1.493 ± 0.842 χ^2/NDF : 47.3/24

2.875 ± 0.661 χ^2/NDF : 96.5/44

-0.487 ± 0.671 χ^2/NDF : 106.6/43

diff_bpm12Y_rms vs slug



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

Left Out: 3063.815 $\pm$ 0.599 χ^2 /NDF: 631574.7/26

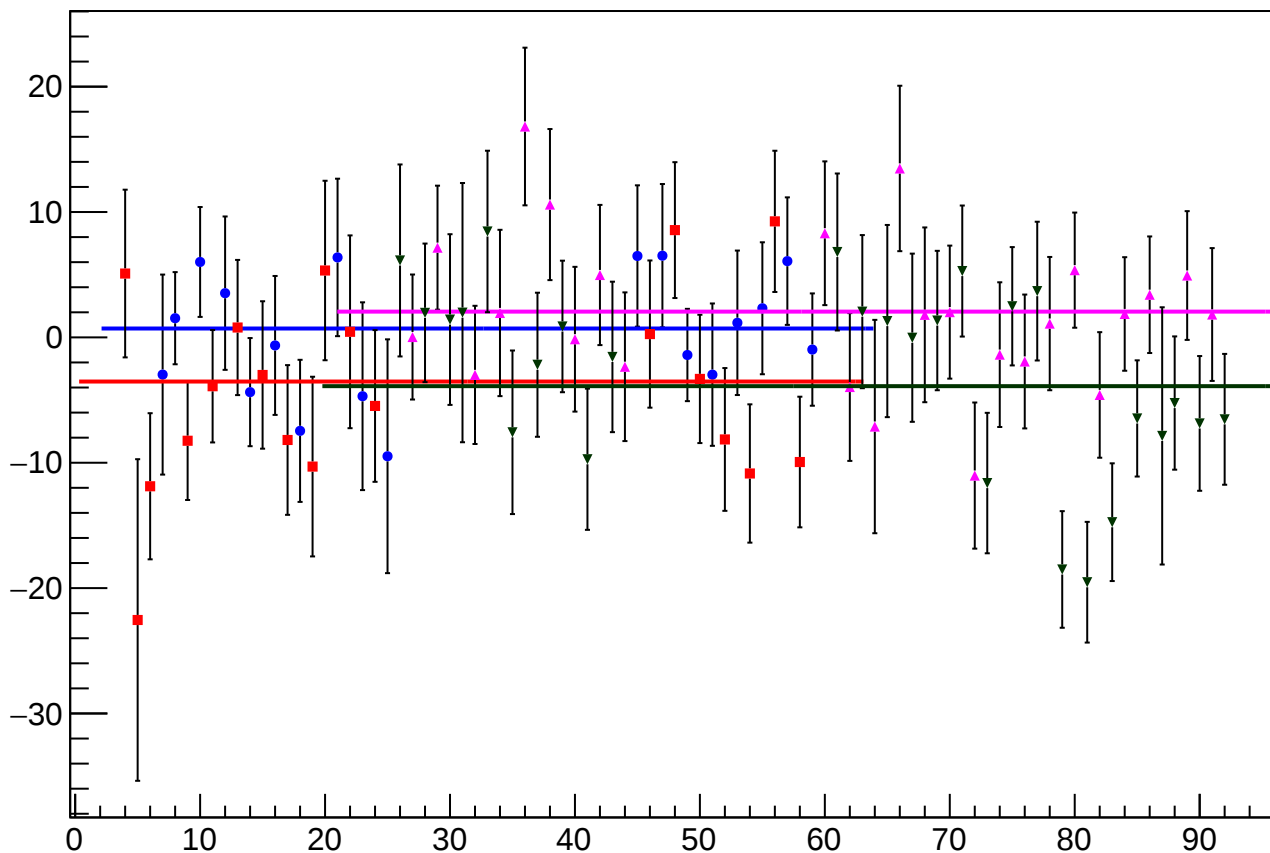
Right Out: 3476.662 $\pm$ 0.785 χ^2 /NDF: 293750.8/18

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

3238.208 $\pm$ 0.467 χ^2 /NDF: 1231525.3/44

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: -3.891 ± 1.103 χ^2/NDF : 51.0/26

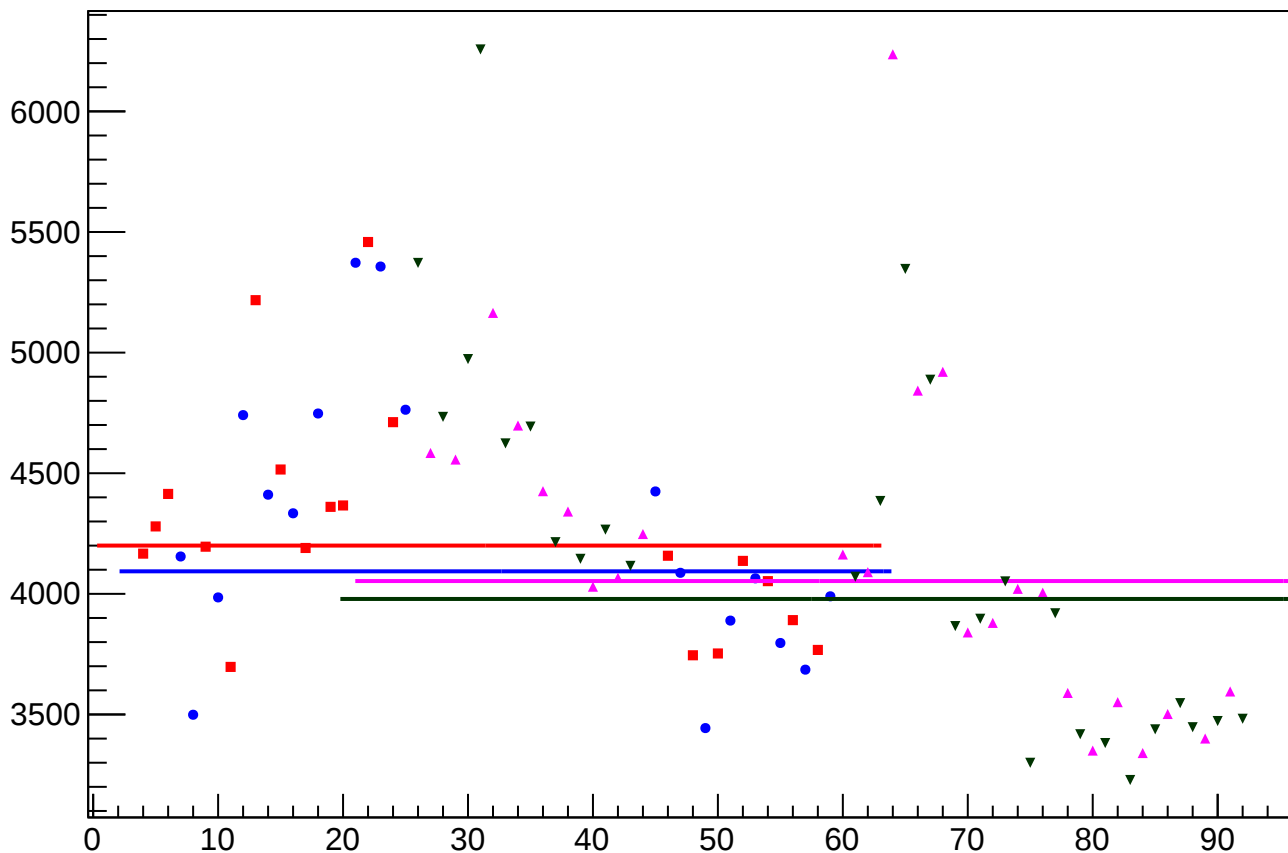
Right Out: -3.522 ± 1.336 χ^2/NDF : 25.4/18

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

-1.839 ± 0.821 χ^2/NDF : 70.9/44

-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: 3978.819 $\pm$ 0.780 χ^2 /NDF:649417.8/26

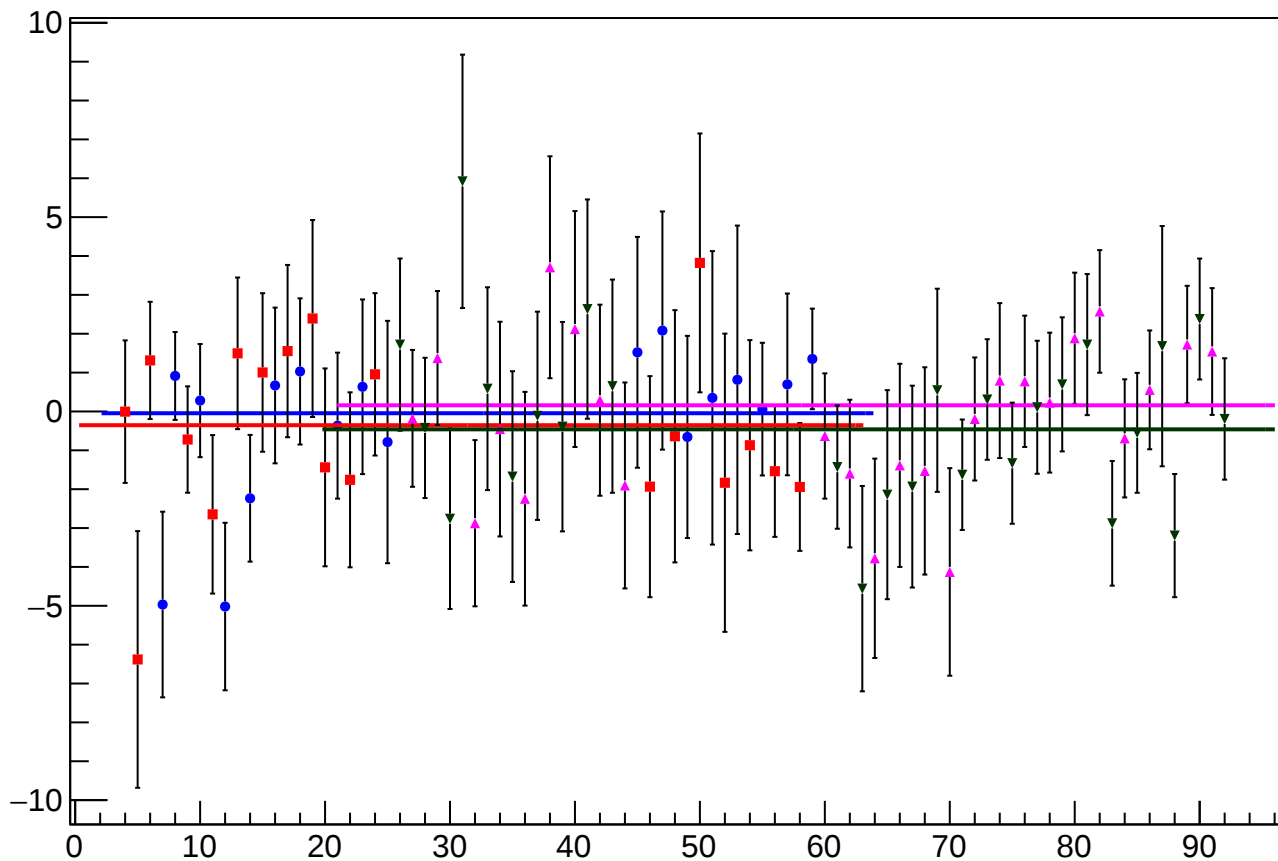
4029.947 $\pm$ 0.580 χ^2 /NDF: 1018741.9/44

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 $\chi^2/\text{NDF}: 14.9/17$

Left Out: -0.460 ± 0.377 $\chi^2/\text{NDF}: 23.5/26$

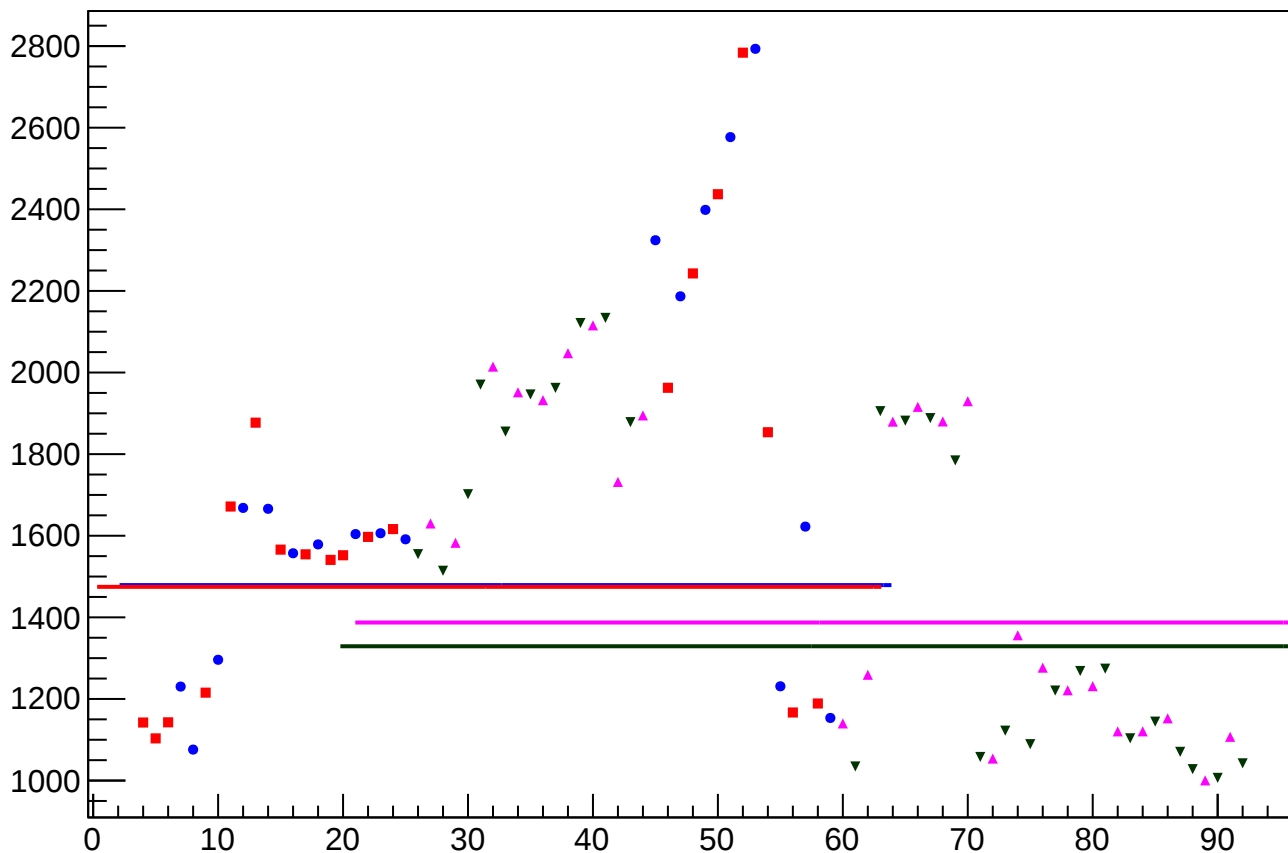
Right Out: -0.354 ± 0.483 $\chi^2/\text{NDF}: 13.6/18$

Left In: 0.159 ± 0.388 $\chi^2/\text{NDF}: 18.6/24$

-0.293 ± 0.291 $\chi^2/\text{NDF}: 38.9/44$

-0.042 ± 0.302 $\chi^2/\text{NDF}: 32.9/43$

diff_bpm16Y_rms vs slug



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

Left Out: 1329.126+/-0.267 χ^2/NDF :1761430.8/26

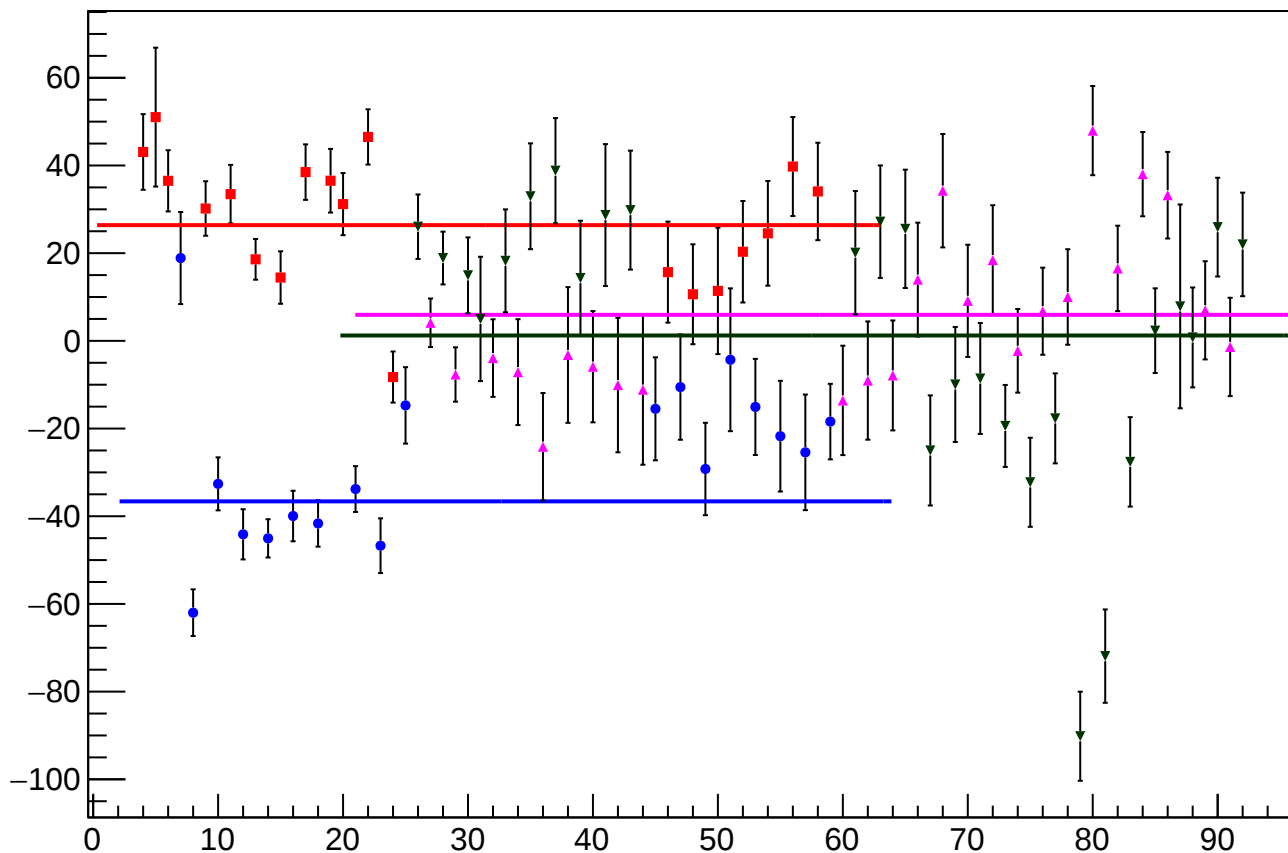
Right Out: 1474.750+/-0.342 χ^2/NDF : 1125200.2/18

Left In: 1387.334+/-0.274 χ^2/NDF :1582873.9/24

1389.698+/-0.206 χ^2/NDF : 3348279.0/44

1421.536+/-0.214 χ^2/NDF : 2747890.5/43

diff_bpm0l01X_mean vs slug



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

Left Out: 1.226 ± 2.087 χ^2/NDF : 227.8/26

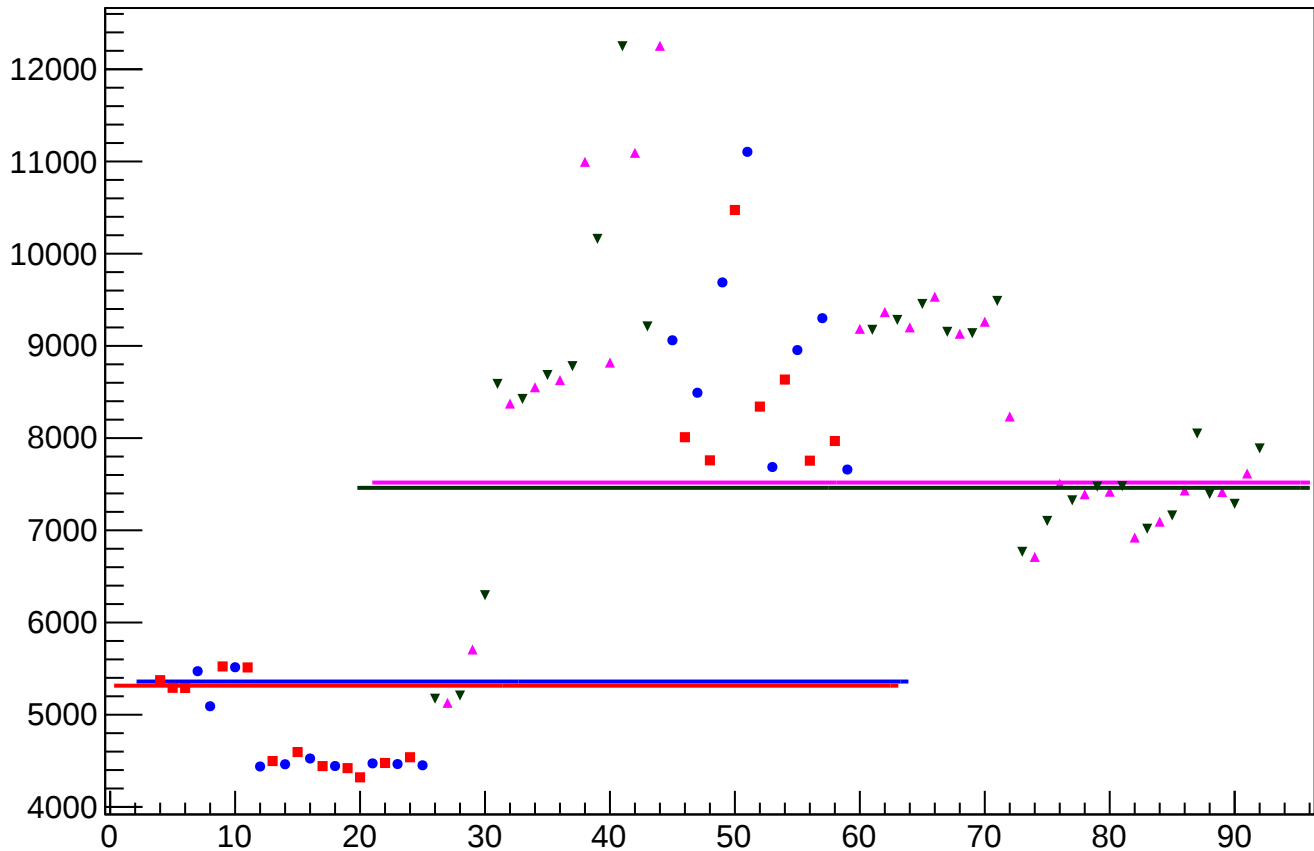
Right Out: 26.394 ± 1.742 χ^2/NDF : 74.2/18

Left In: 5.934 ± 2.074 χ^2/NDF : 66.2/24

-21.792 ± 1.306 χ^2/NDF : 517.6/44

17.931 ± 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: 7460.525+/-1.475 χ^2/NDF : 1132261.3/26

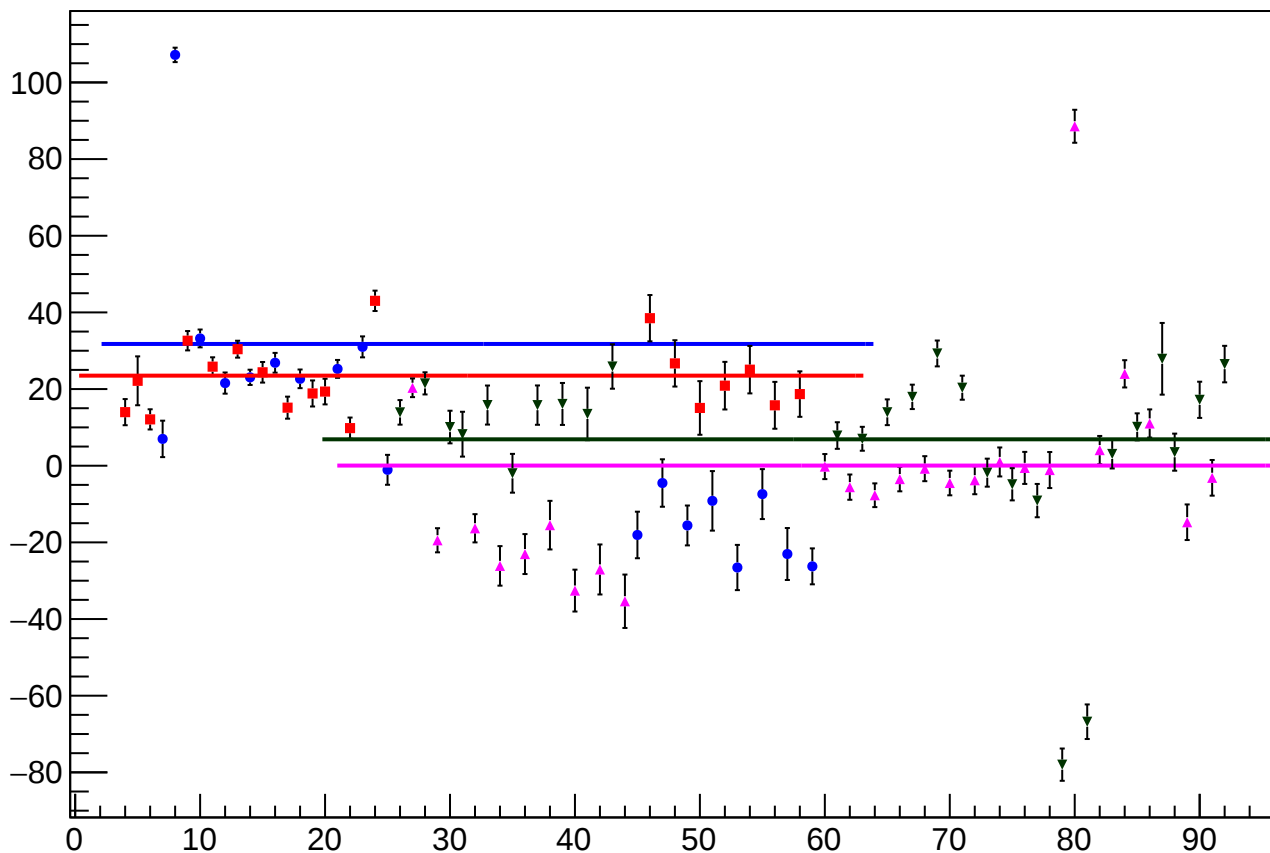
6182.557+/-0.923 χ^2/NDF : 4225414.8/44

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 $\chi^2/\text{NDF}: 2323.1/17$

Left Out: 6.889 ± 0.779 $\chi^2/\text{NDF}: 862.9/26$

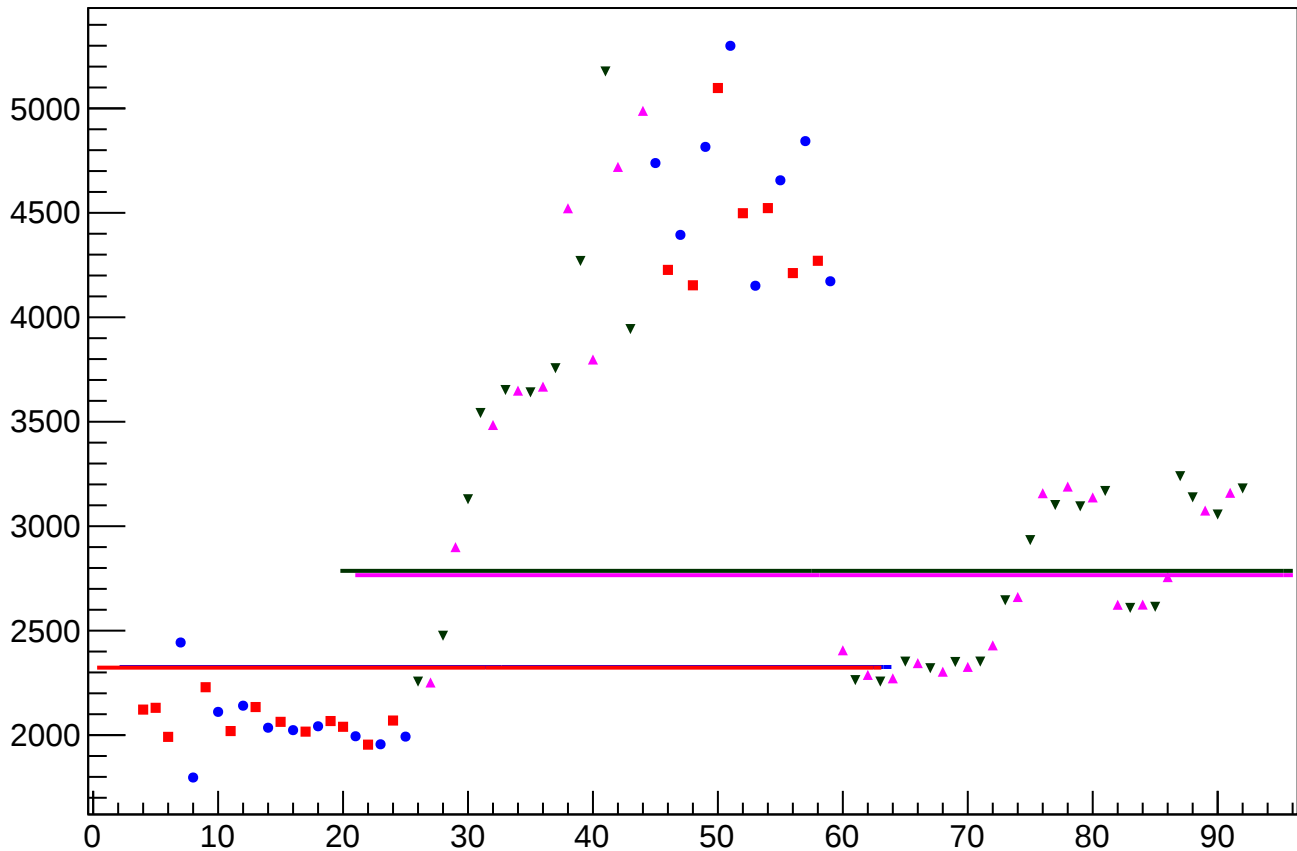
Right Out: 23.500 ± 0.773 $\chi^2/\text{NDF}: 151.3/18$

Left In: 0.039 ± 0.763 $\chi^2/\text{NDF}: 760.6/24$

19.956 ± 0.537 $\chi^2/\text{NDF}: 3721.4/44$

11.618 ± 0.543 $\chi^2/\text{NDF}: 1378.9/43$

diff_bpm0l01Y_rms vs slug



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

Left Out: 2786.236 $\pm$ 0.551 χ^2 /NDF:1117364.6/26

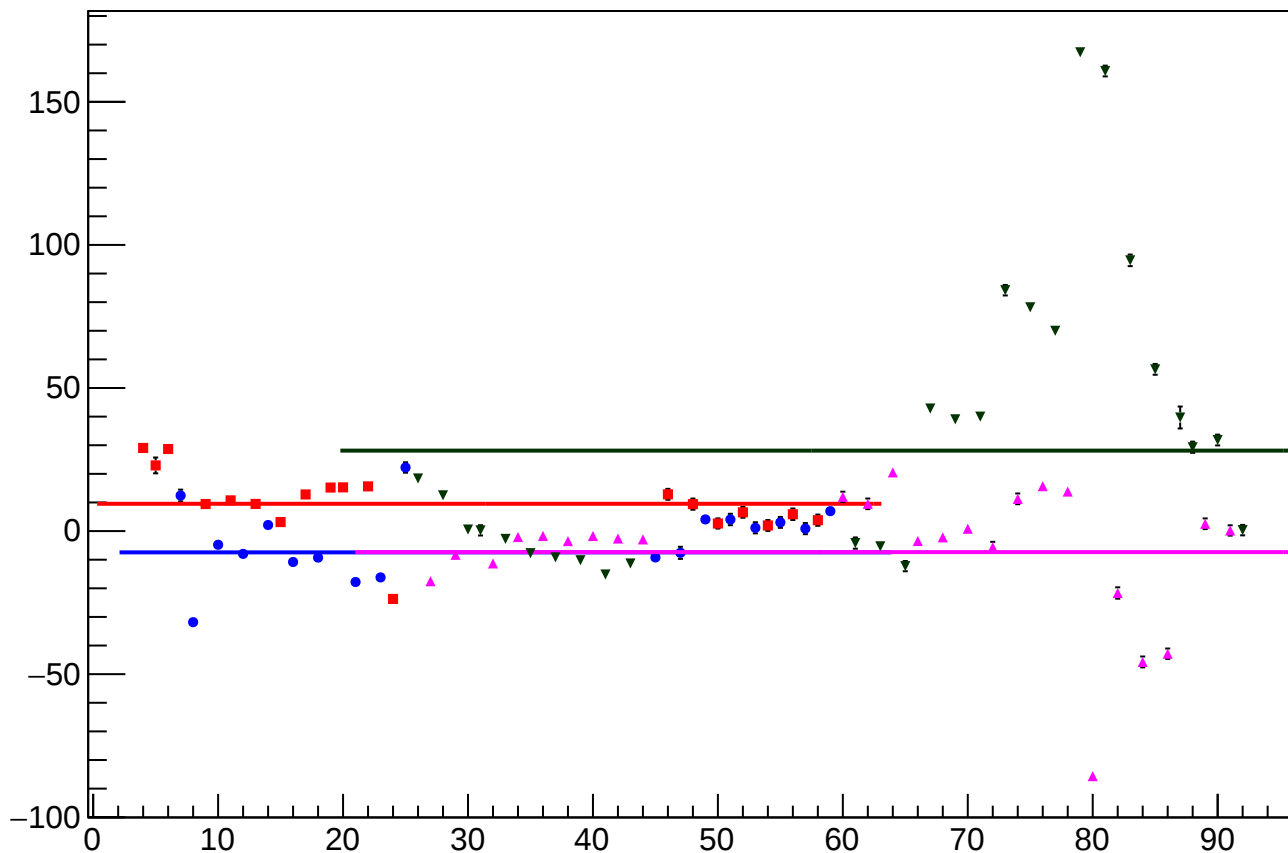
2544.534 $\pm$ 0.380 χ^2 /NDF: 4180227.0/44

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: 28.117 ± 0.316 χ^2/NDF : 22658.4/26

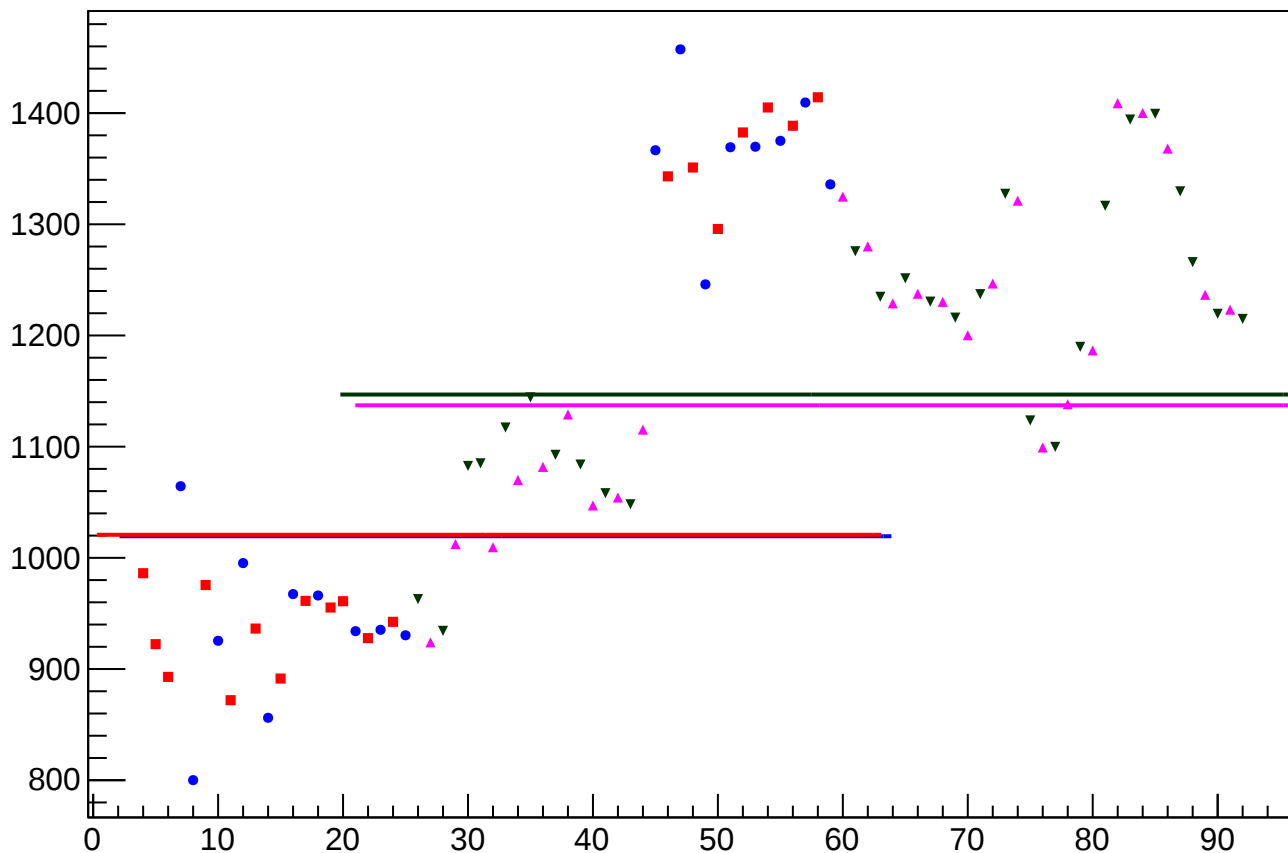
Right Out: 9.540 ± 0.328 χ^2/NDF : 1327.8/18

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

10.020 ± 0.221 χ^2/NDF : 30876.1/44

0.593 ± 0.225 χ^2/NDF : 7139.2/43

diff_bpm2i01X_rms vs slug



Right In: 1019.424 $\pm$ 0.219 χ^2 /NDF: 852878.1/17

Left Out: 1146.874 $\pm$ 0.223 χ^2 /NDF:300770.9/26

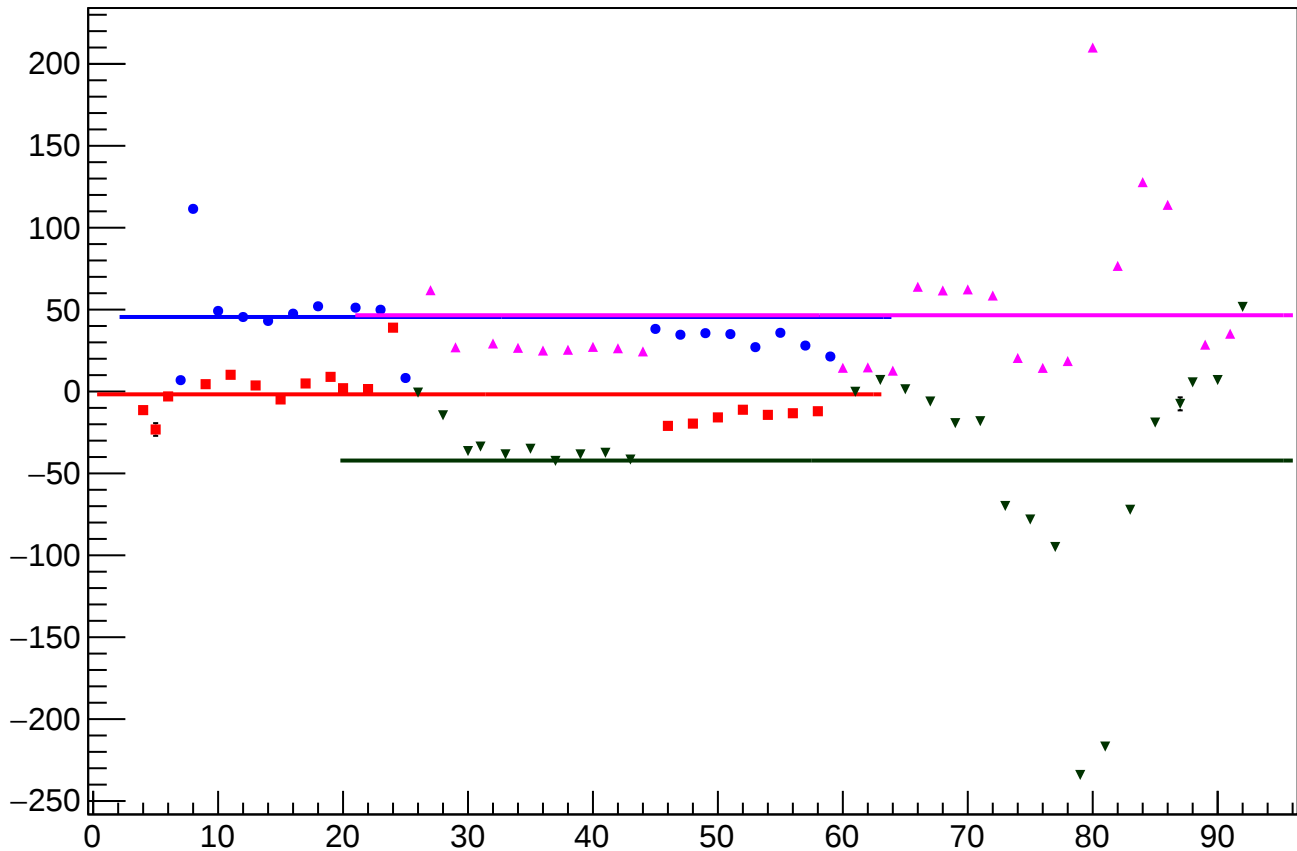
Right Out: 1020.749 $\pm$ 0.232 χ^2 /NDF: 605072.5/18

Left In: 1137.195 $\pm$ 0.218 χ^2 /NDF:369119.0/24

1082.010 $\pm$ 0.156 χ^2 /NDF: 1319726.4/44

1082.442 $\pm$ 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: -42.144+/-0.354 χ^2/NDF : 28922.6/26

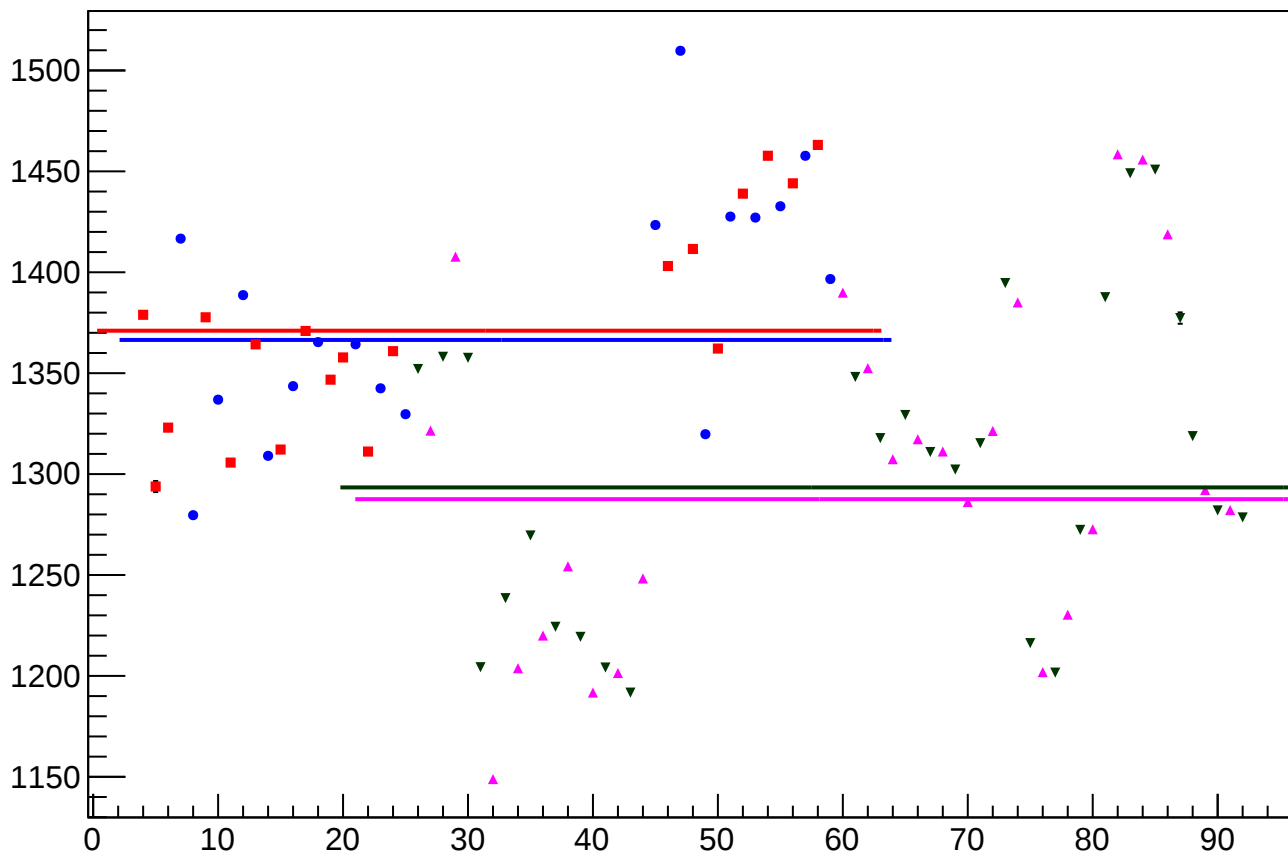
Right Out: -1.724+/-0.434 χ^2/NDF : 1071.7/18

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

-4.467+/-0.267 χ^2/NDF : 58636.5/44

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: 1293.396 $\pm$ 0.250 χ^2 /NDF: 83692.3/26

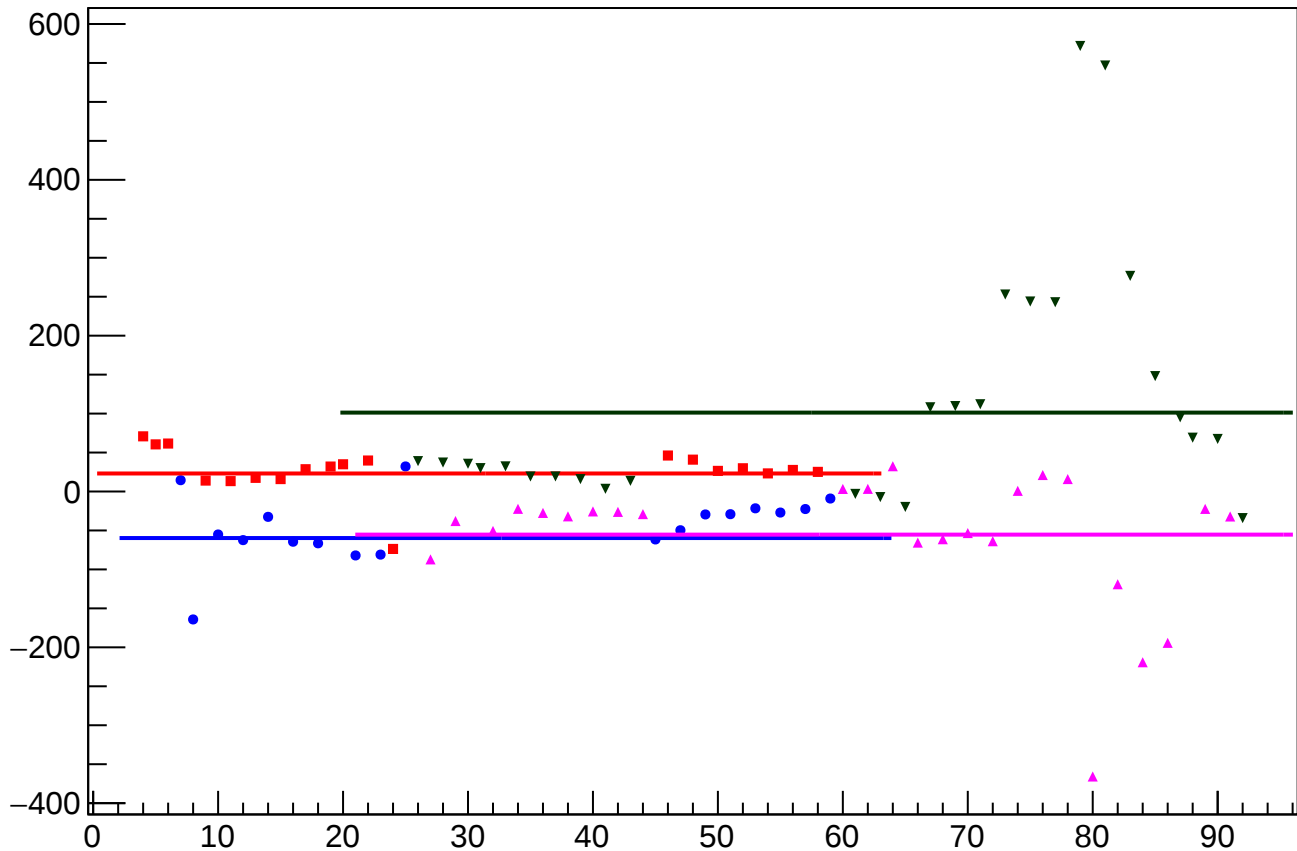
Right Out: 1371.055 $\pm$ 0.307 χ^2 /NDF: 24860.5/18

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

1324.813 $\pm$ 0.189 χ^2 /NDF: 158913.8/44

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

diff_bpm2i02X_mean vs slug



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

Left Out: 101.257 ± 0.328 $\chi^2/\text{NDF}: 204197.8/26$

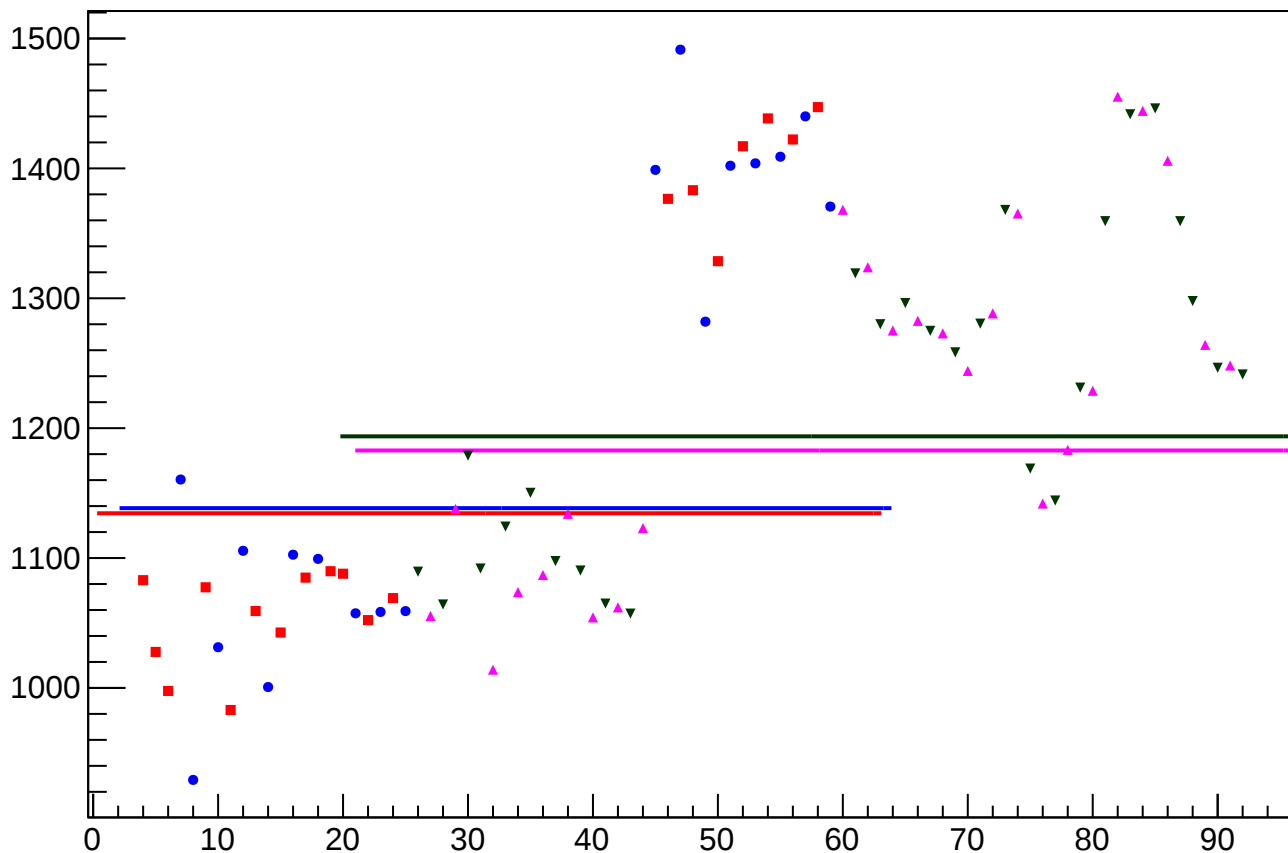
Right Out: 23.126 ± 0.362 $\chi^2/\text{NDF}: 7355.2/18$

Left In: -55.350 ± 0.321 $\chi^2/\text{NDF}: 60550.9/24$

24.404 ± 0.237 $\chi^2/\text{NDF}: 338004.2/44$

-20.827 ± 0.240 $\chi^2/\text{NDF}: 94256.0/43$

diff_bpm2i02X_rms vs slug



Right In: 1138.411+/-0.243 χ^2/NDF : 488075.7/17

Left Out: 1193.700+/-0.232 χ^2/NDF : 233651.8/26

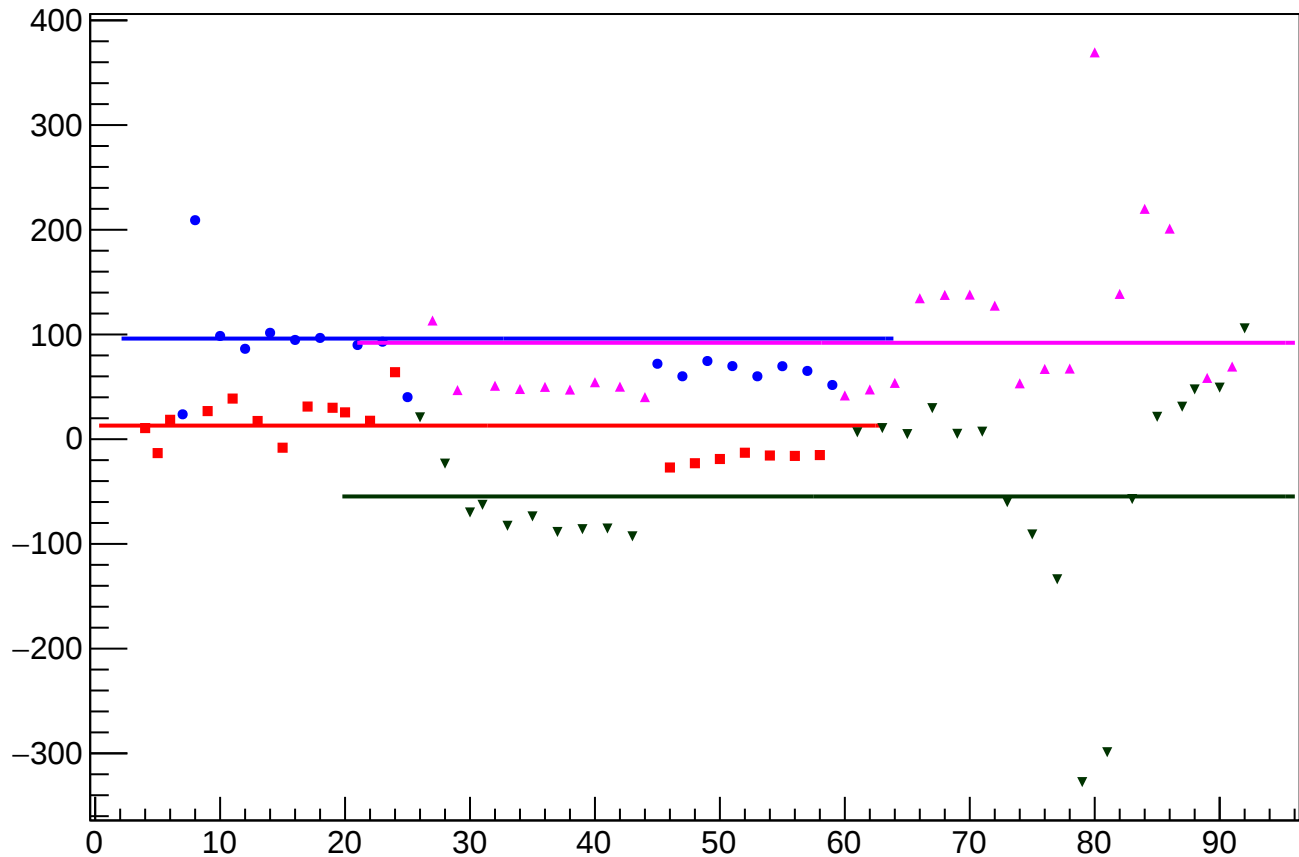
Right Out: 1134.479+/-0.256 χ^2/NDF : 360721.2/18

Left In: 1182.818+/-0.227 χ^2/NDF : 310840.4/24

1167.307+/-0.168 χ^2/NDF : 748864.3/44

1161.553+/-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: -54.676 $\pm$ 0.322 χ^2 /NDF: 79984.8/26

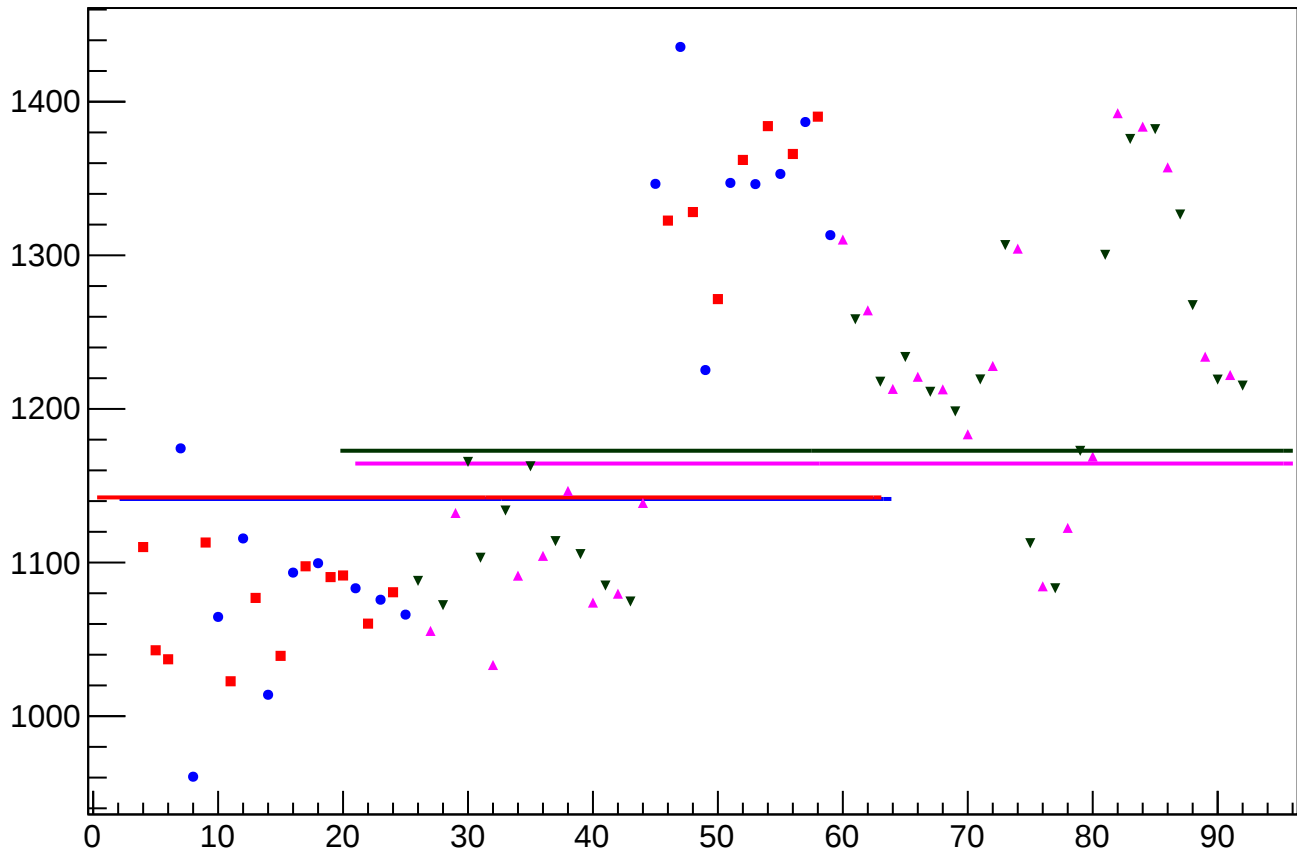
Right Out: 12.992 $\pm$ 0.363 χ^2 /NDF: 4541.3/18

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

15.897 $\pm$ 0.235 χ^2 /NDF: 199952.4/44

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: 1172.780+/-0.227 χ^2/NDF : 143457.9/26

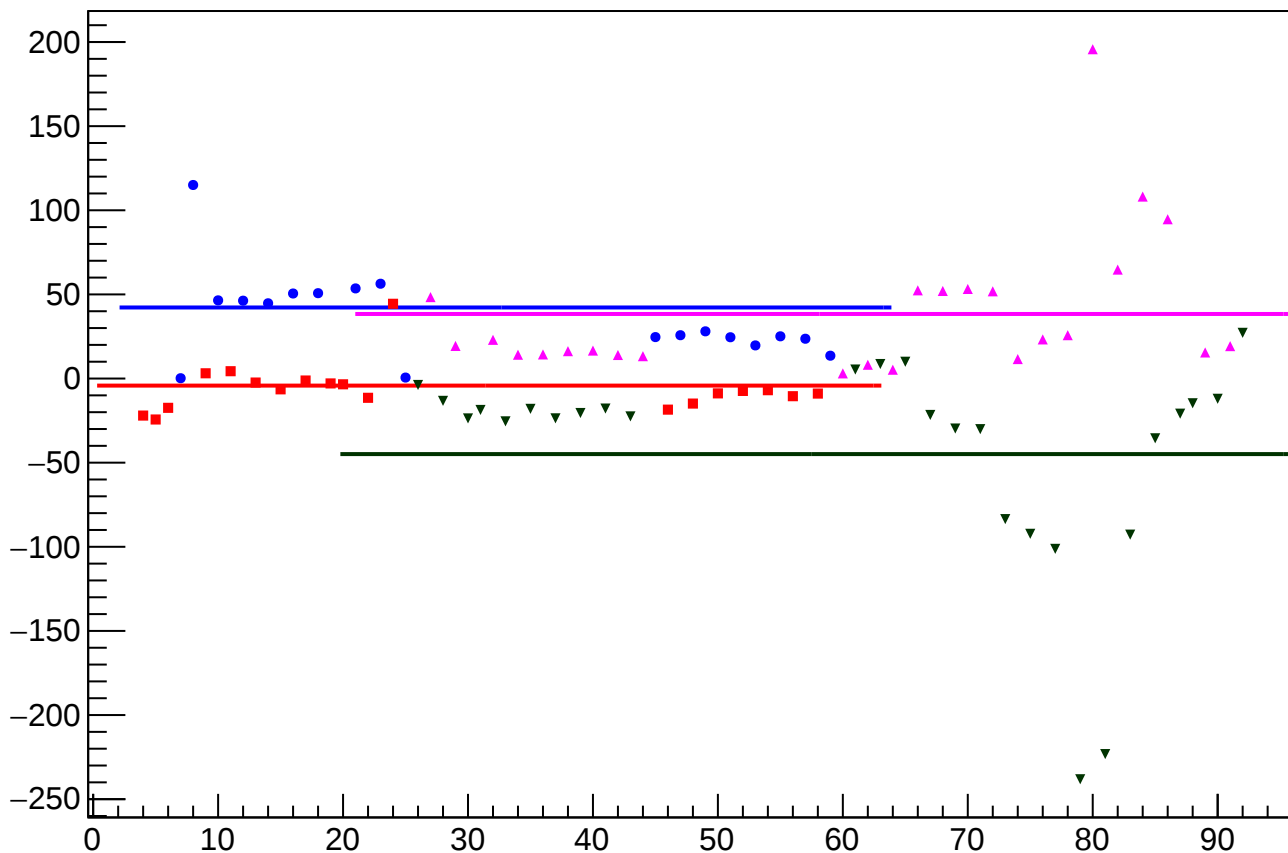
Right Out: 1142.390+/-0.257 χ^2/NDF : 236212.3/18

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

1158.082+/-0.166 χ^2/NDF : 481686.6/44

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: -44.903+/-0.197 χ^2/NDF : 106298.3/26

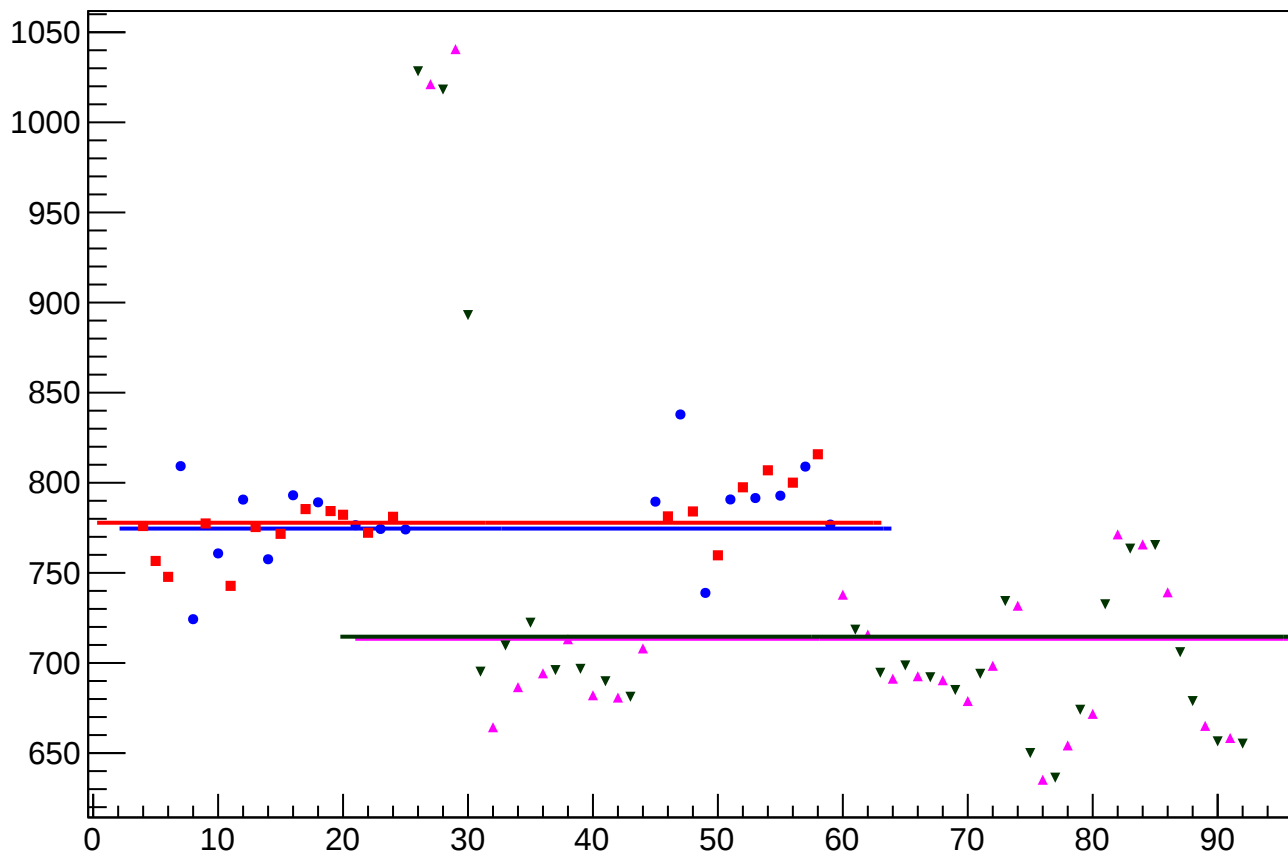
Right Out: -4.198+/-0.246 χ^2/NDF : 3378.3/18

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

-8.256+/-0.150 χ^2/NDF : 203114.4/44

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: 714.591+/-0.139 χ^2/NDF : 333867.1/26

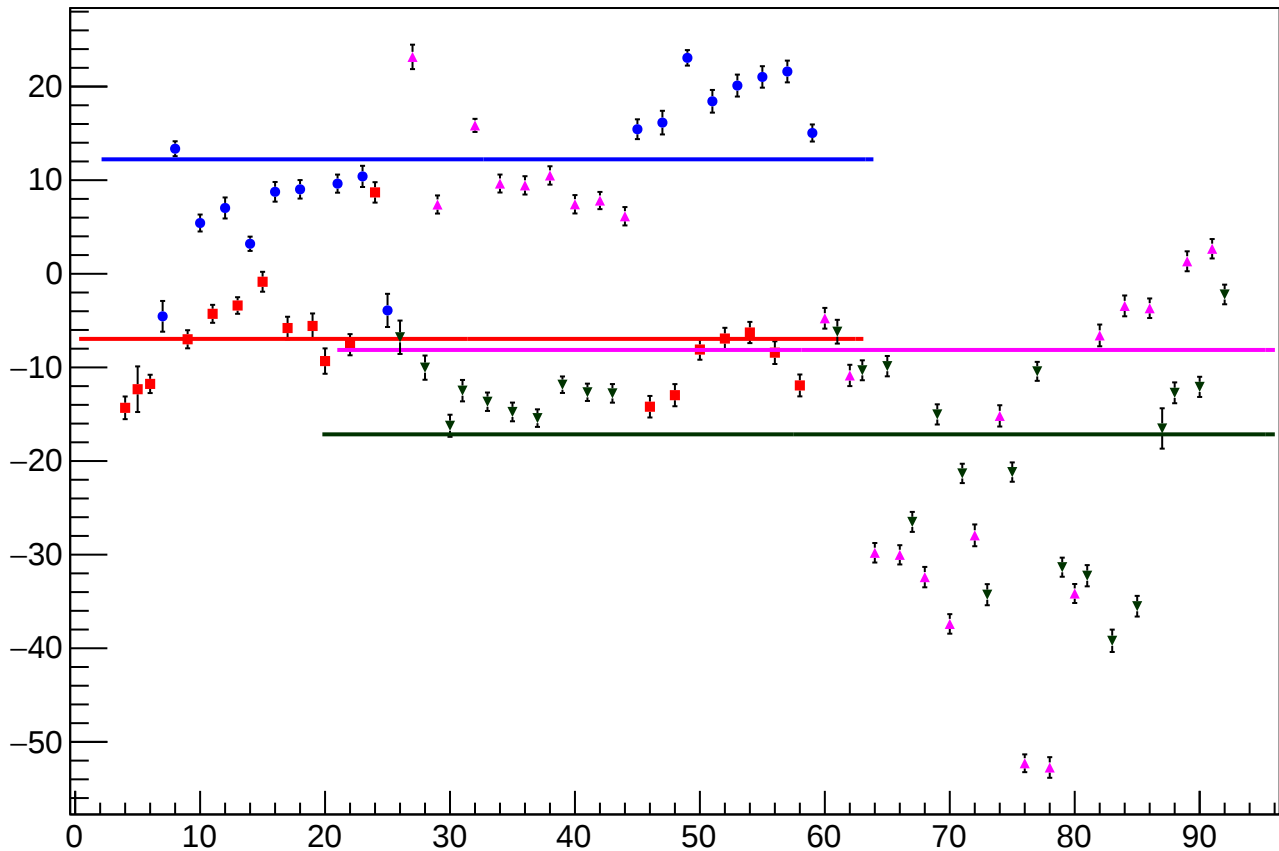
Right Out: 777.816+/-0.174 χ^2/NDF : 11180.5/18

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

739.822+/-0.106 χ^2/NDF : 438462.4/44

738.079+/-0.108 χ^2/NDF : 496719.9/43

diff_bpm1i04Y_mean vs slug



Right In: 12.227 ± 0.244 $\chi^2/\text{NDF}: 832.9/17$

Left Out: -17.150 ± 0.209 $\chi^2/\text{NDF}: 1959.3/26$

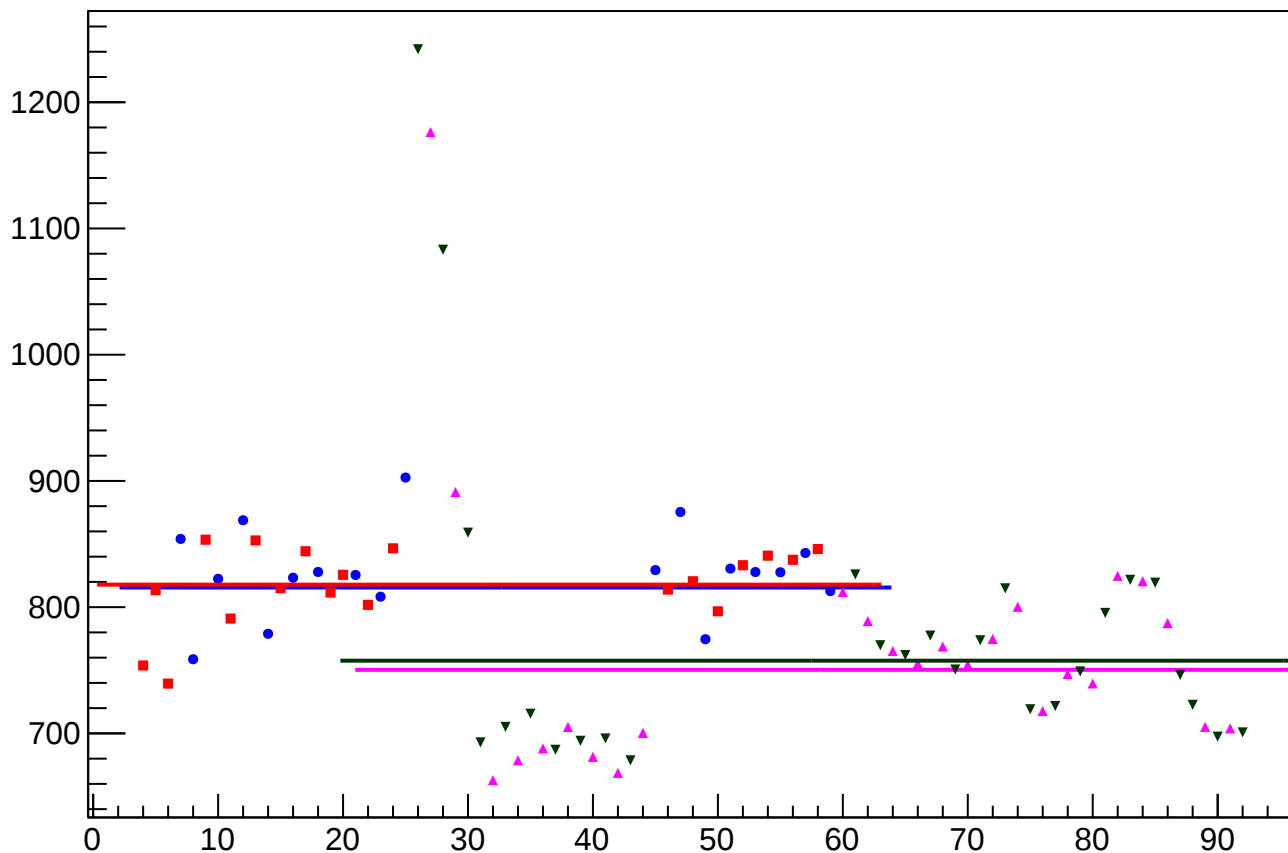
Right Out: -6.954 ± 0.259 $\chi^2/\text{NDF}: 420.8/18$

Left In: -8.134 ± 0.204 $\chi^2/\text{NDF}: 10985.9/24$

-4.664 ± 0.159 $\chi^2/\text{NDF}: 11160.7/44$

-7.682 ± 0.160 $\chi^2/\text{NDF}: 11419.4/43$

diff_bpm1i04Y_rms vs slug



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

Left Out: 757.610+/-0.148 χ^2/NDF : 394139.2/26

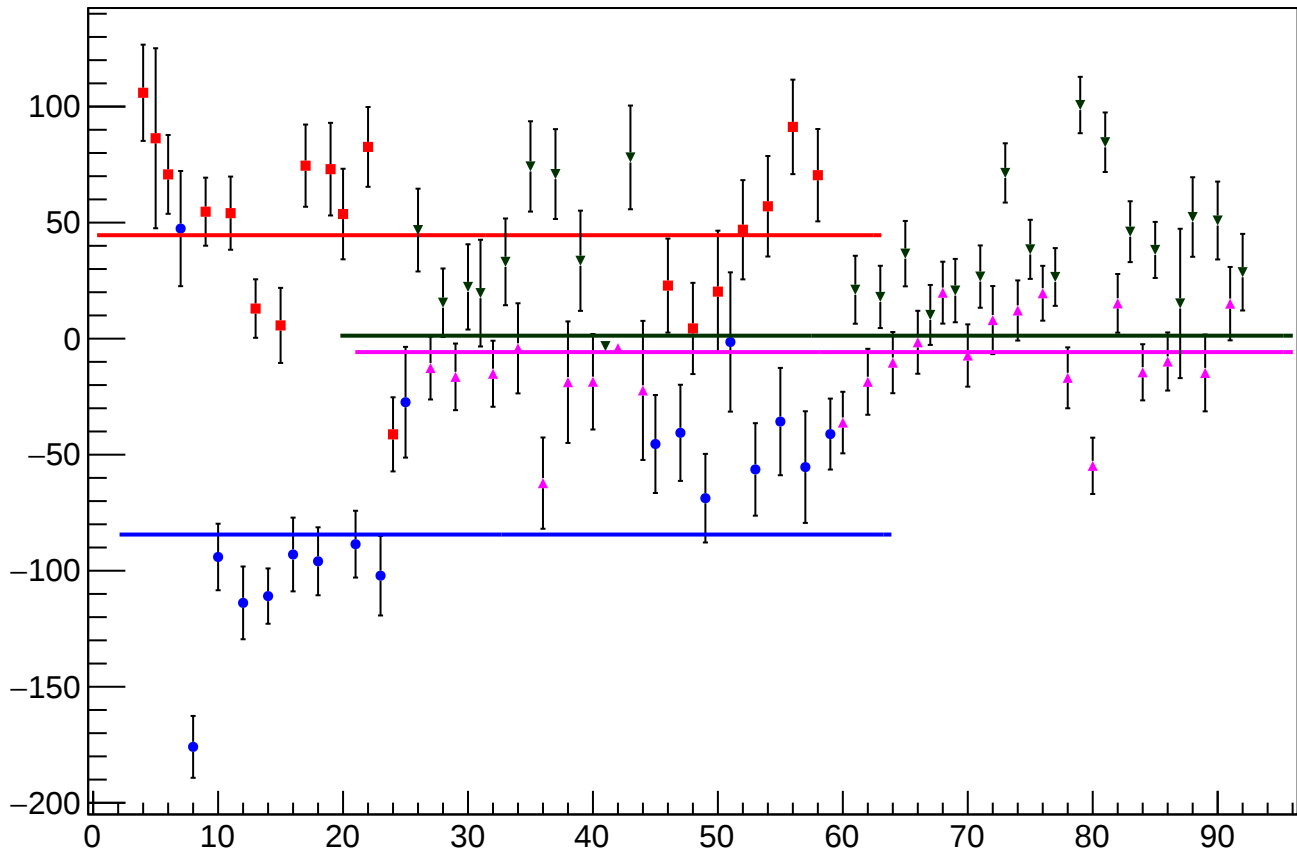
Right Out: 817.840+/-0.183 χ^2/NDF : 32410.2/18

Left In: 750.373+/-0.144 χ^2/NDF : 384170.4/24

782.247+/-0.112 χ^2/NDF : 496945.5/44

776.195+/-0.113 χ^2/NDF : 500315.7/43

diff_bpm0l02X_mean vs slug



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

Left Out: 1.276 ± 0.934 χ^2/NDF : 283.6/26

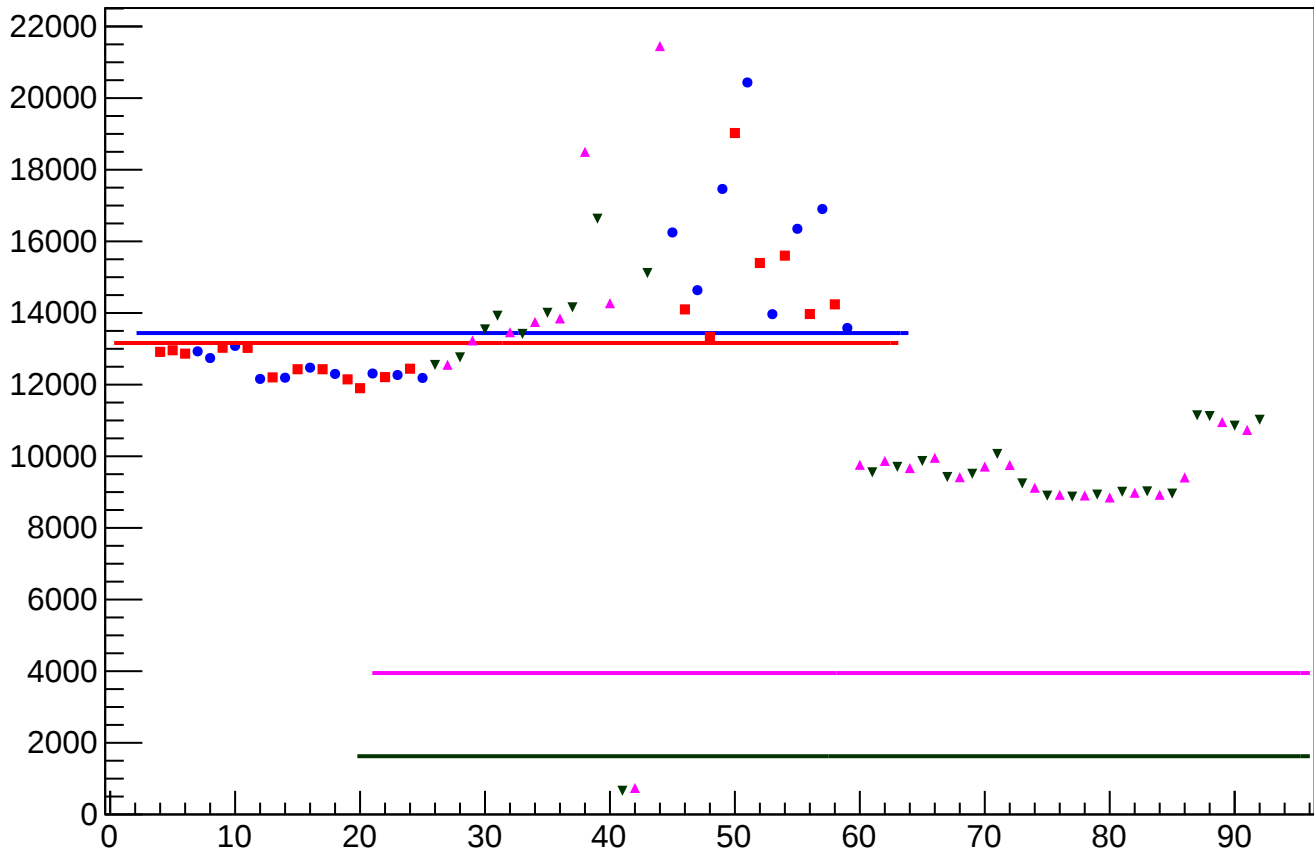
Right Out: 44.573 ± 4.203 χ^2/NDF : 77.6/18

Left In: -5.795 ± 1.687 χ^2/NDF : 50.9/24

-3.029 ± 0.910 χ^2/NDF : 830.8/44

1.196 ± 1.566 χ^2/NDF : 252.2/43

diff_bpm0l02X_rms vs slug



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

Left Out: 1626.023+/-0.660 χ^2/NDF : 20390862.1/26

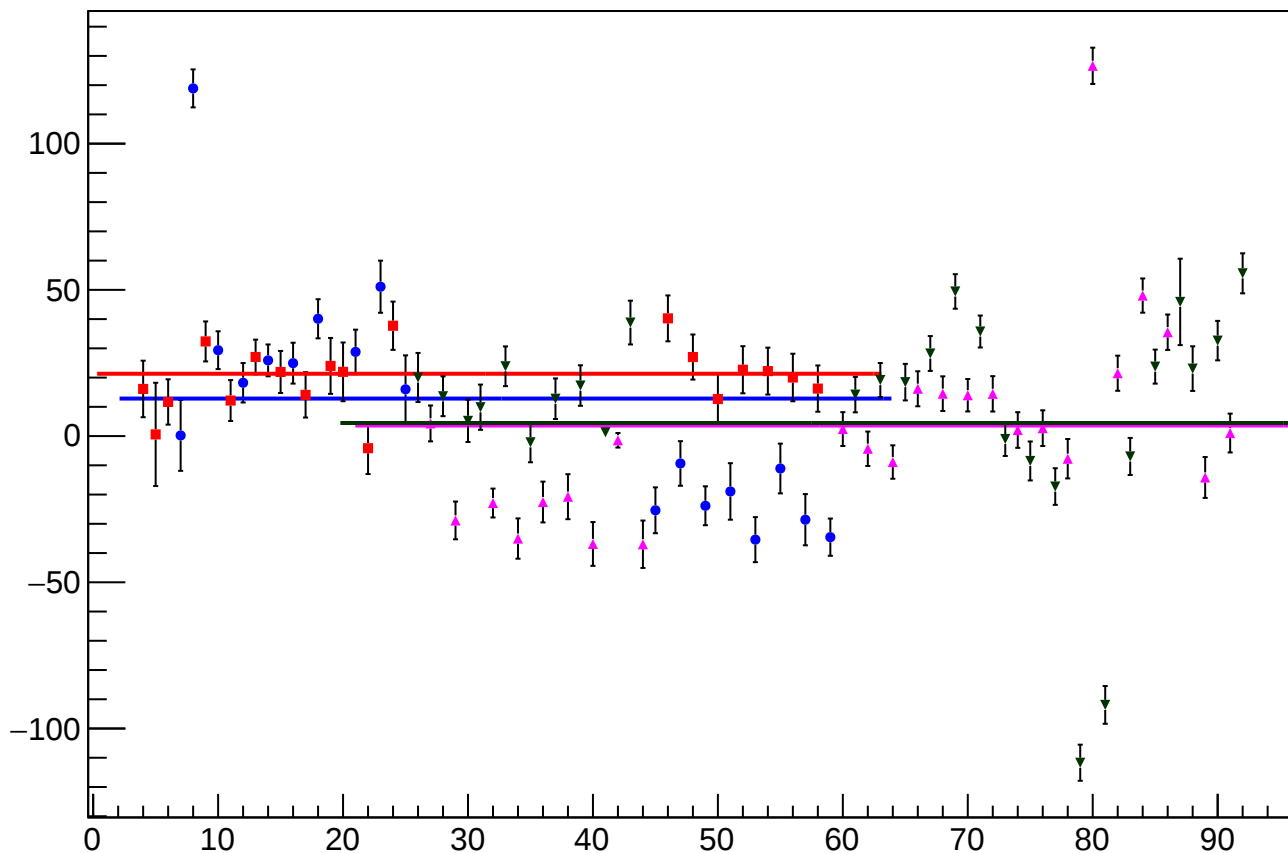
Right Out: 13162.769+/-2.972 χ^2/NDF : 204436.9/18

Left In: 3948.161+/-1.193 χ^2/NDF : 15773659.7/24

2219.565+/-0.643 χ^2/NDF : 36879545.6/44

5227.081+/-1.107 χ^2/NDF : 24258540.6/43

diff_bpm0l02Y_mean vs slug



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

Left Out: 4.479 ± 0.899 $\chi^2/\text{NDF}: 862.9/26$

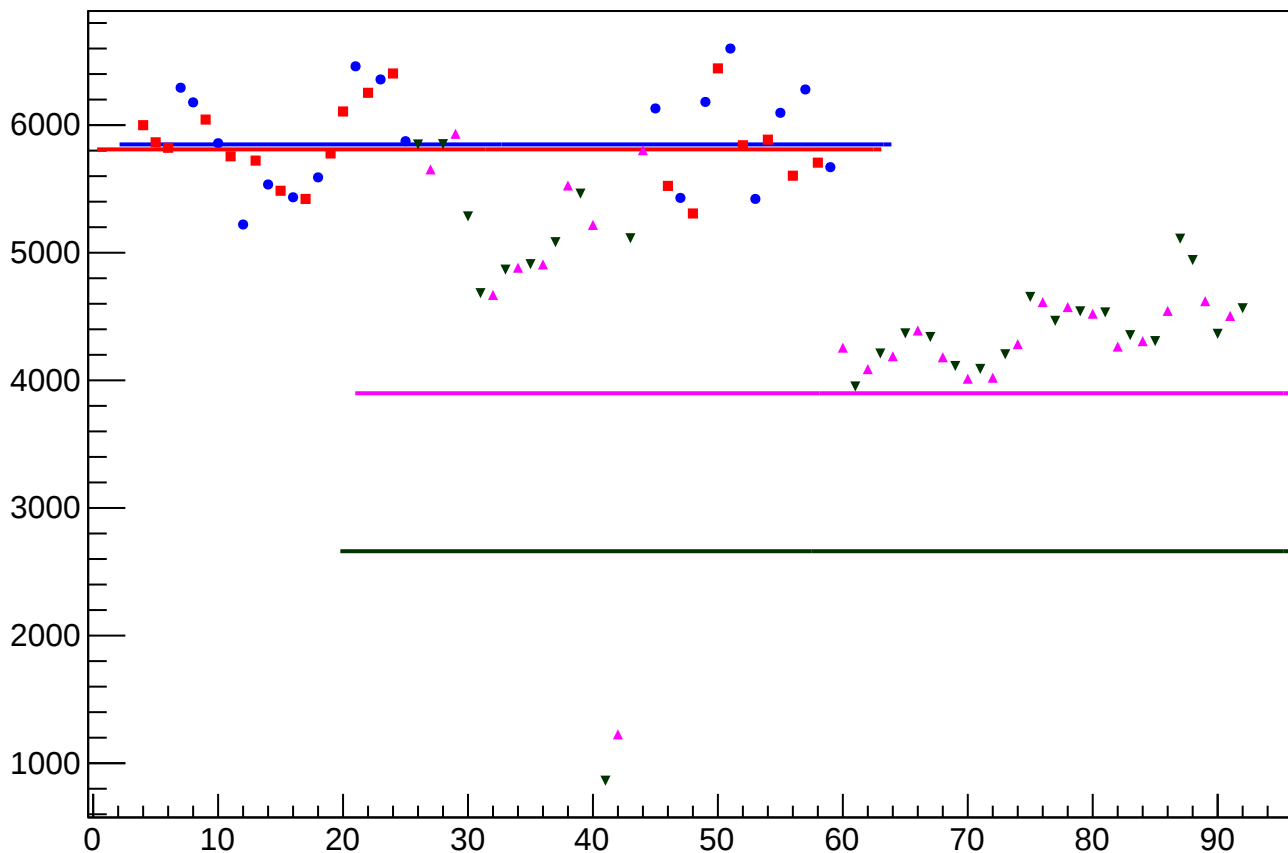
Right Out: 21.314 ± 1.847 $\chi^2/\text{NDF}: 29.5/18$

Left In: 3.615 ± 1.133 $\chi^2/\text{NDF}: 686.2/24$

6.216 ± 0.800 $\chi^2/\text{NDF}: 1402.6/44$

8.454 ± 0.966 $\chi^2/\text{NDF}: 782.5/43$

diff_bpm0l02Y_rms vs slug



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

Left Out: 2661.111+/-0.635 χ^2/NDF : 8964062.8/26

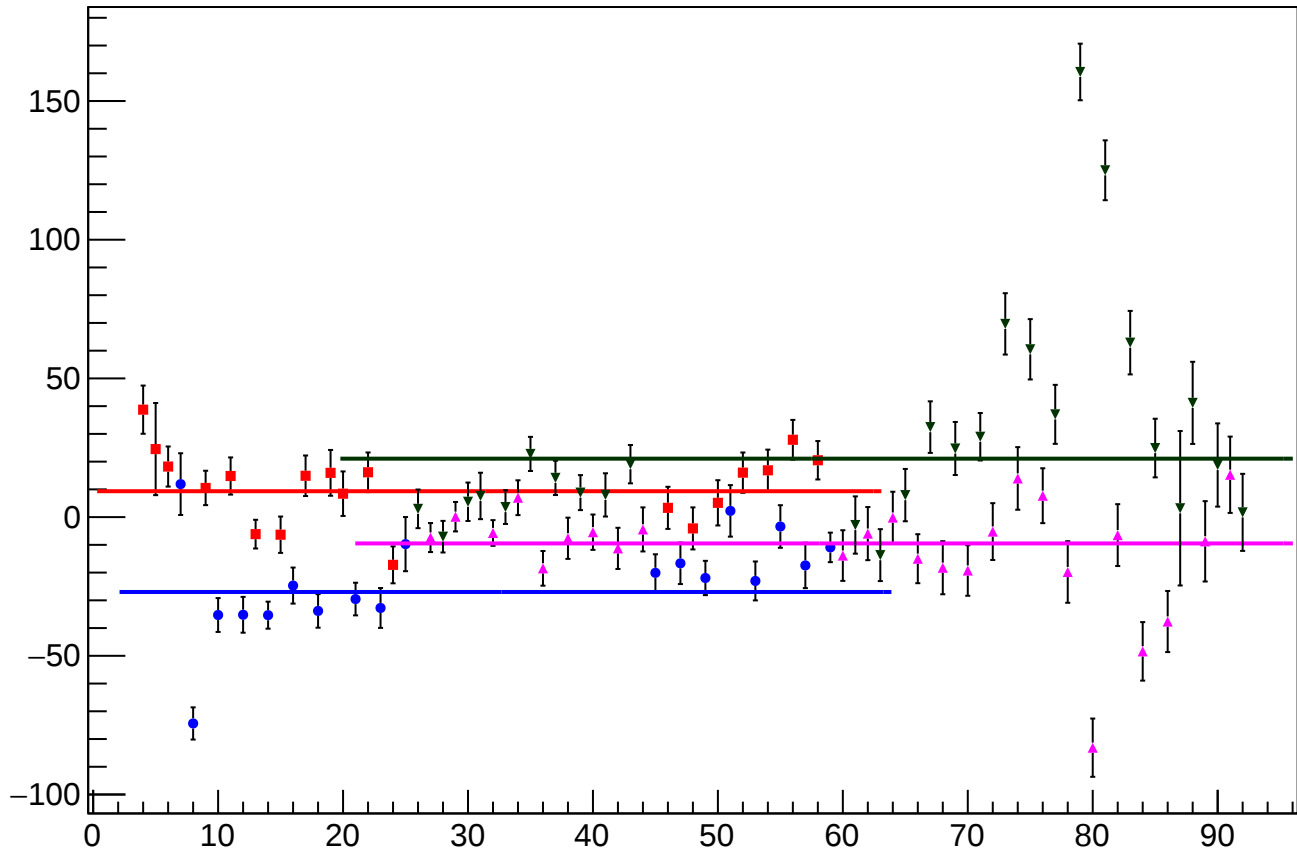
Right Out: 5809.767+/-1.306 χ^2/NDF : 53321.4/18

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

3324.705+/-0.565 χ^2/NDF : 14305121.7/44

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: 21.071 ± 1.638 $\chi^2/\text{NDF}: 410.6/26$

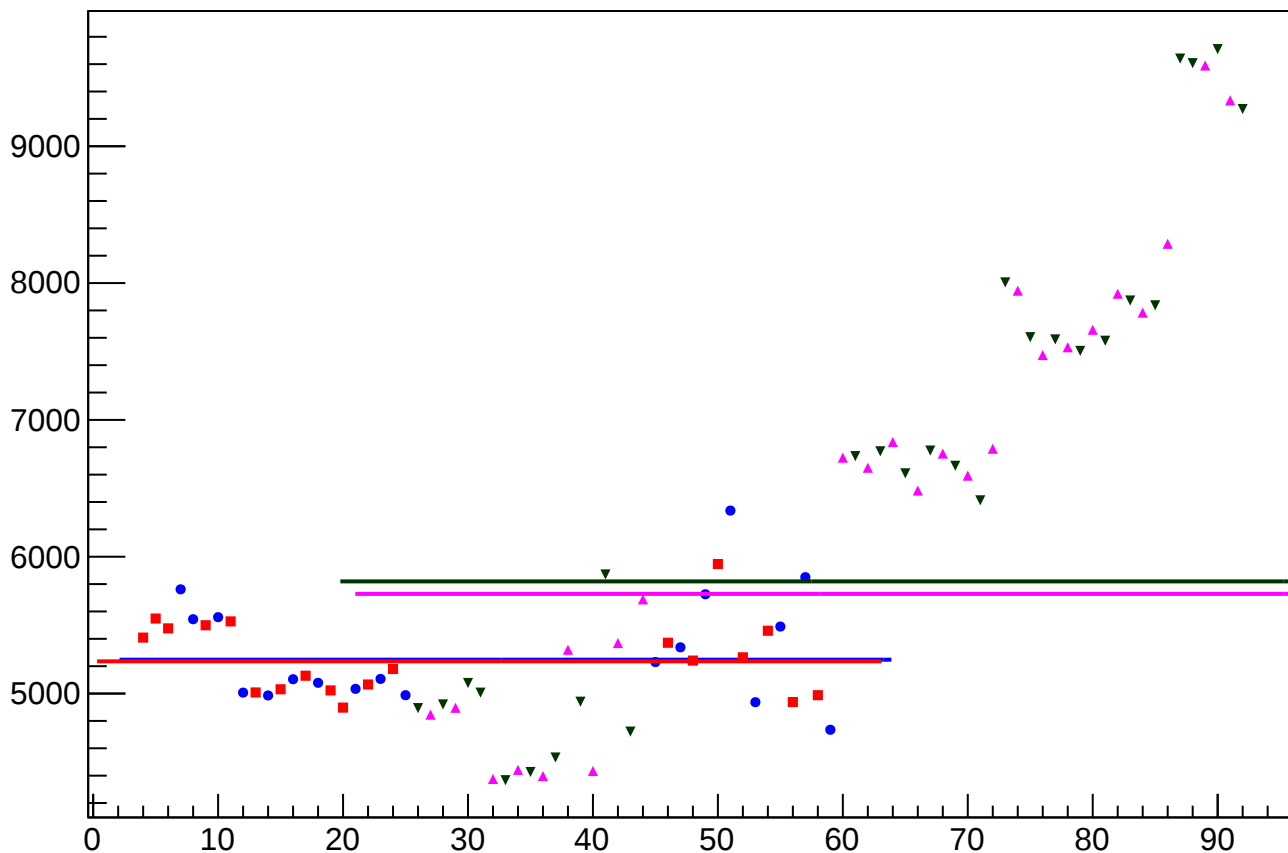
Right Out: 9.337 ± 1.659 $\chi^2/\text{NDF}: 62.4/18$

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

-3.991 ± 1.133 $\chi^2/\text{NDF}: 983.8/44$

-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: 5819.734+/-1.158 χ^2/NDF : 1474898.4/26

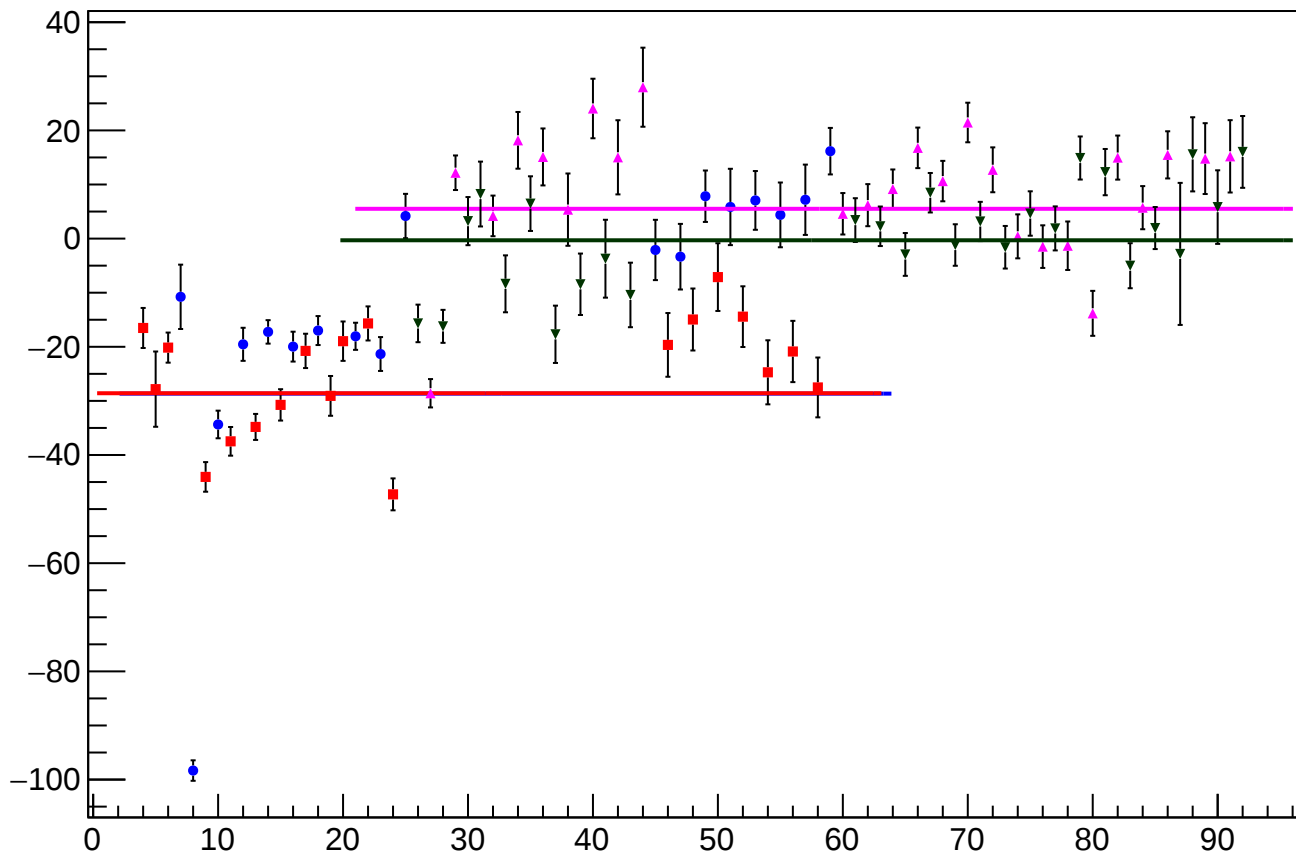
Right Out: 5235.469+/-1.173 χ^2/NDF : 47165.0/18

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

5521.368+/-0.801 χ^2/NDF : 1707731.0/44

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: -0.310 $\pm$ 0.853 χ^2 /NDF: 117.2/26

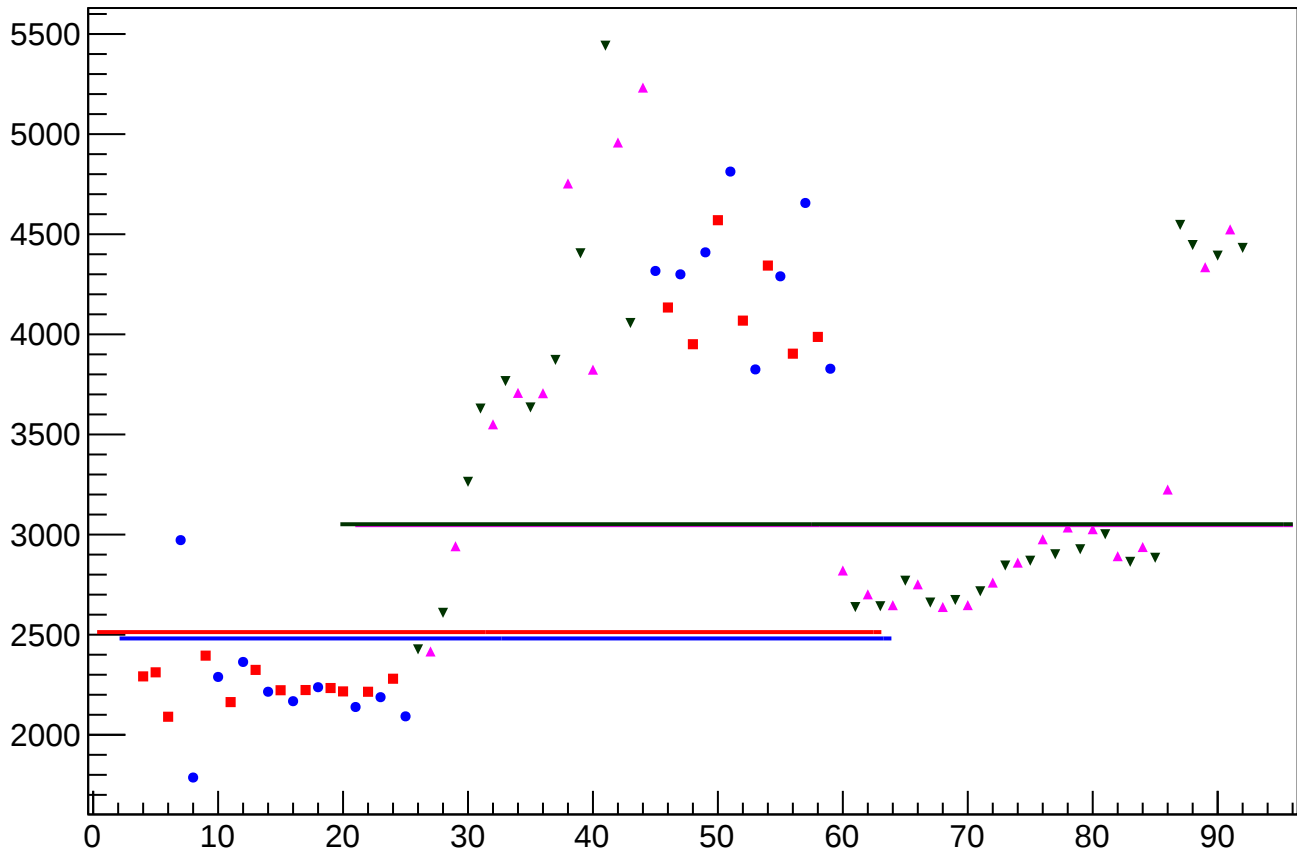
Right Out: -28.584 $\pm$ 0.826 χ^2 /NDF: 168.7/18

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

-15.710 $\pm$ 0.576 χ^2 /NDF: 2574.8/44

-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: 3051.586+/-0.603 χ^2/NDF :1043484.2/26

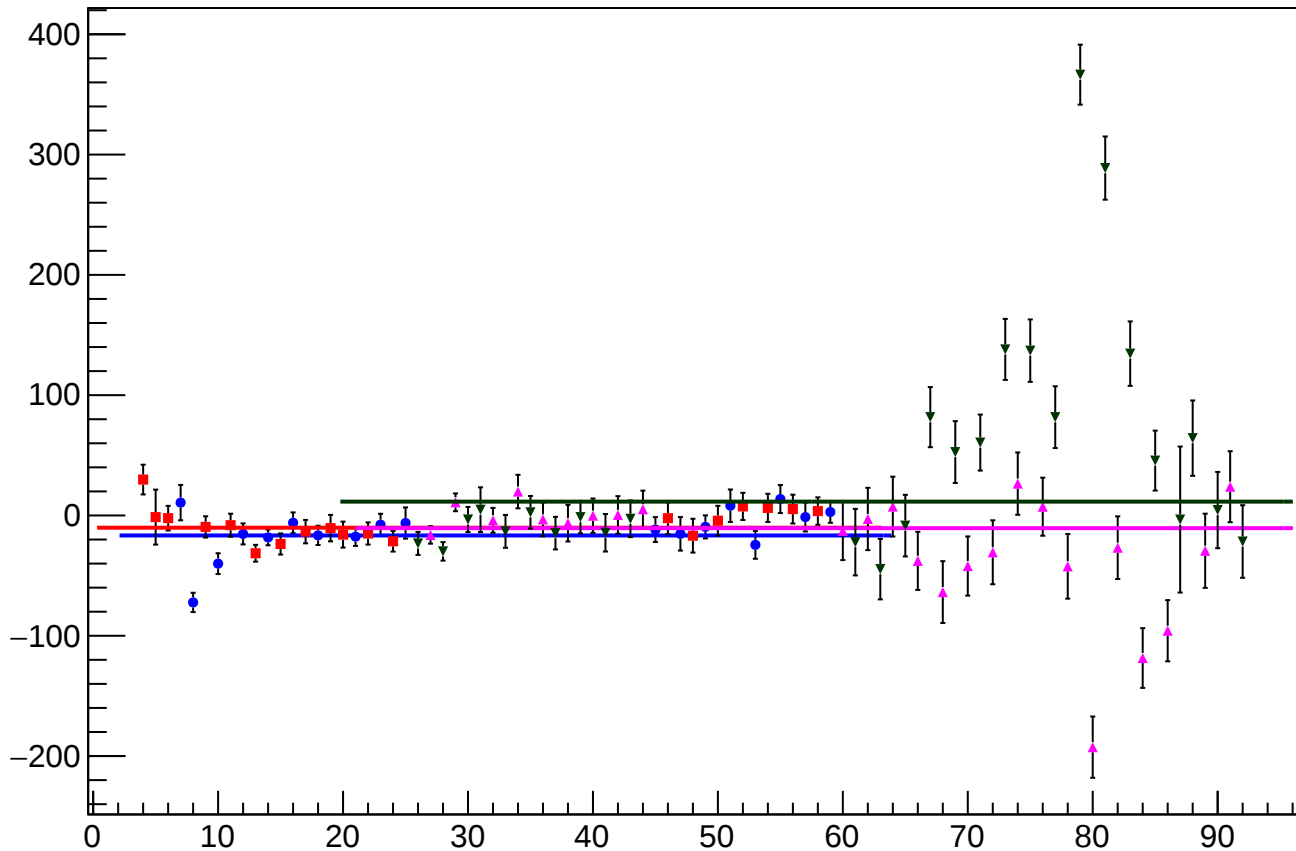
2741.721+/-0.408 χ^2/NDF : 3641798.7/44

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: 11.510 ± 3.272 $\chi^2/\text{NDF}: 475.1/26$

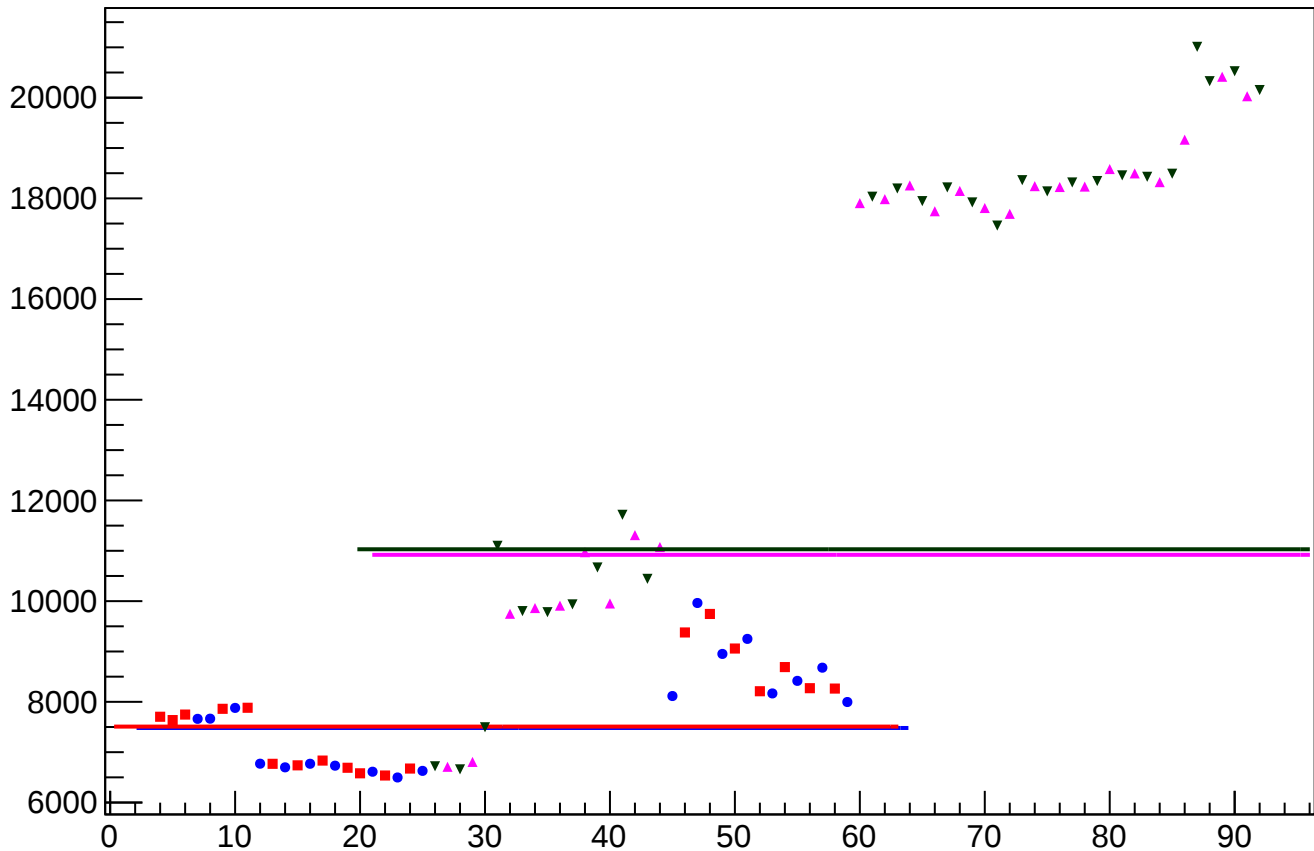
Right Out: -10.172 ± 2.389 $\chi^2/\text{NDF}: 33.7/18$

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

-7.629 ± 1.849 $\chi^2/\text{NDF}: 605.2/44$

-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: 11030.348+/-2.314 χ^2/NDF : 3968358.0/26

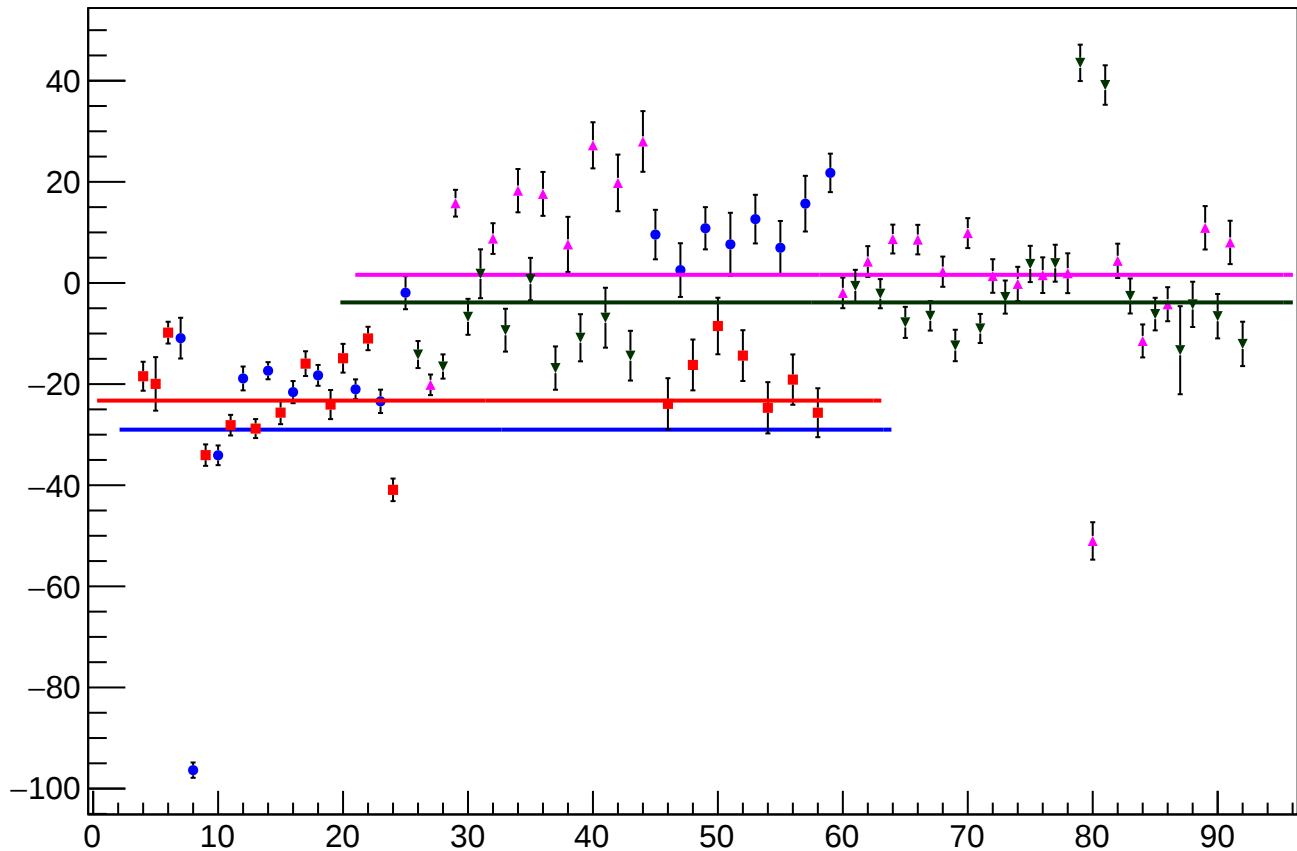
8614.517+/-1.308 χ^2/NDF : 5904913.6/44

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

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

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

diff_bpm0l04Y_mean vs slug



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

Left Out: -3.846 $\pm$ 0.687 χ^2 /NDF: 388.2/26

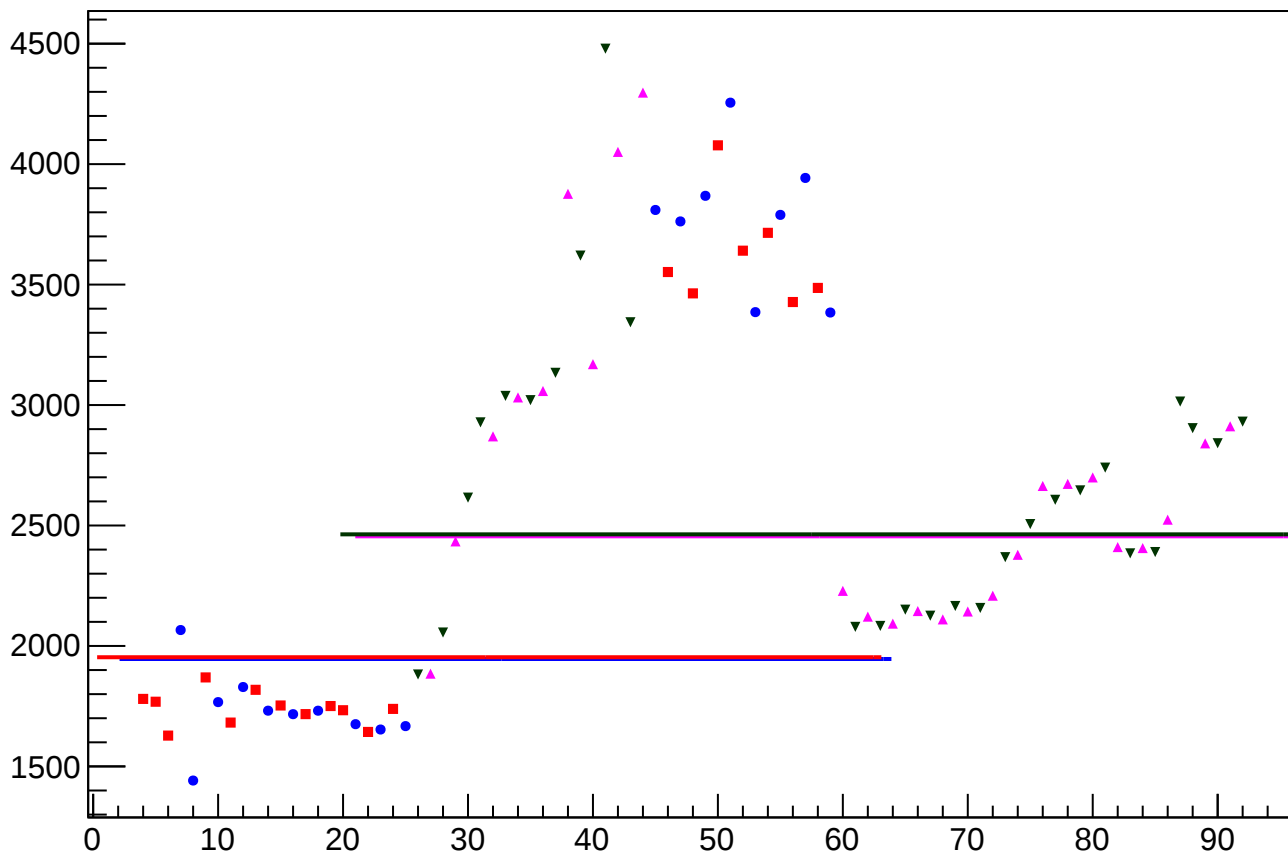
Right Out: -23.263 $\pm$ 0.648 χ^2 /NDF: 204.8/18

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

-17.742 $\pm$ 0.460 χ^2 /NDF: 3921.5/44

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

diff_bpm0l04Y_rms vs slug



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

Left Out: 2463.274+/-0.486 χ^2/NDF : 953979.4/26

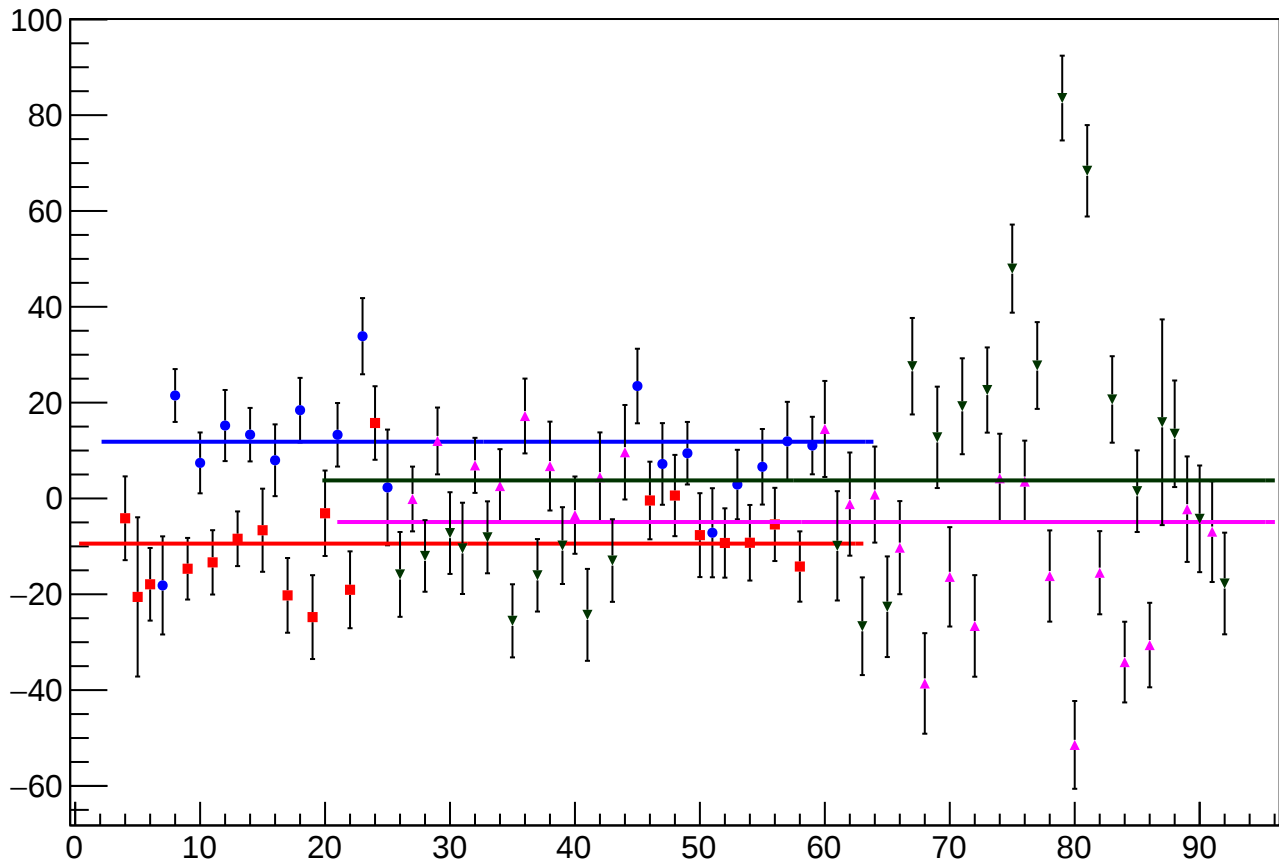
Right Out: 1953.157+/-0.458 χ^2/NDF : 1725858.1/18

Left In: 2455.062+/-0.477 χ^2/NDF : 1017824.5/24

2177.513+/-0.325 χ^2/NDF : 4180460.7/44

2194.024+/-0.330 χ^2/NDF : 3319578.9/43

diff_bpm0l05X_mean vs slug



Right In: 11.837 $\pm$ 1.701 χ^2 /NDF: 30.8/17

Left Out: 3.766 $\pm$ 1.777 χ^2 /NDF:249.1/26

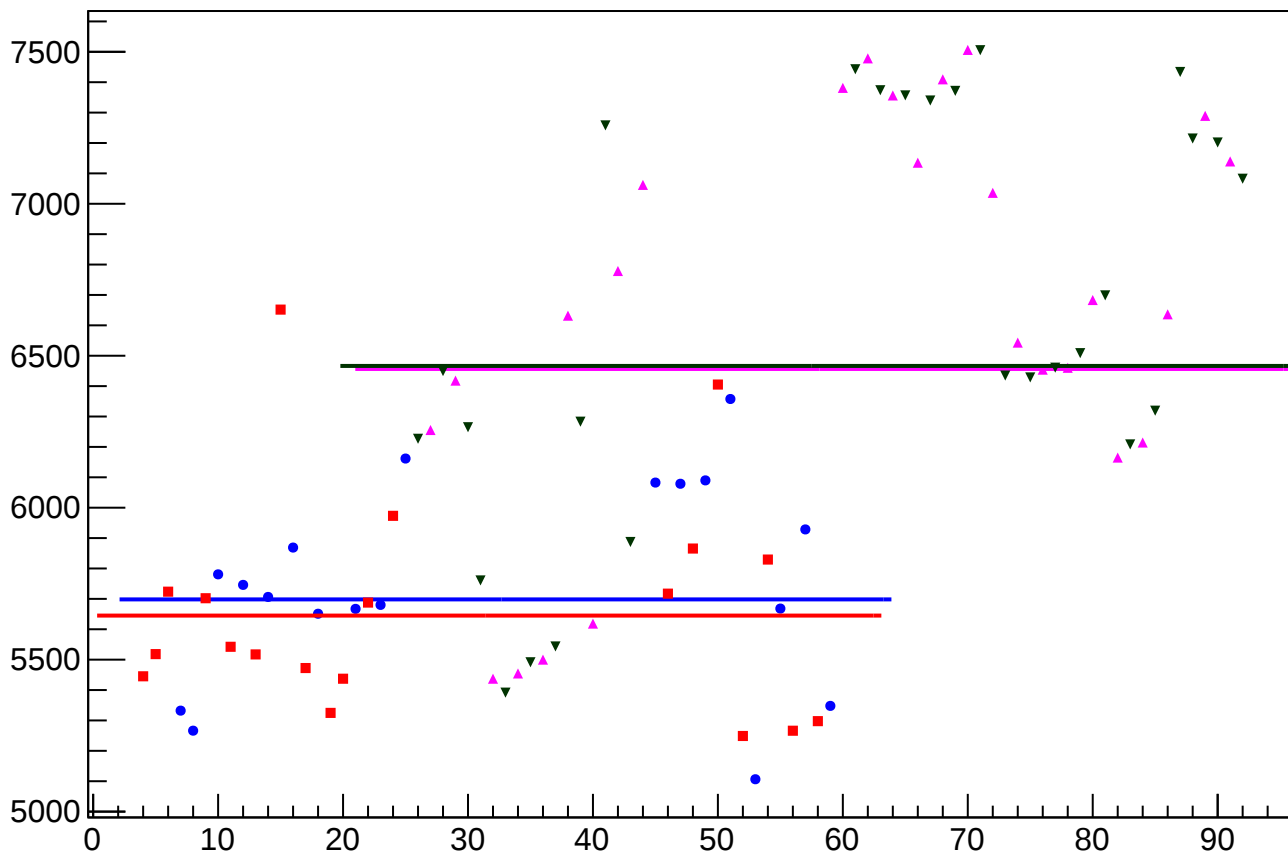
Right Out: -9.425 $\pm$ 1.790 χ^2 /NDF: 24.3/18

Left In: -4.918 $\pm$ 1.749 χ^2 /NDF:95.9/24

7.979 $\pm$ 1.229 χ^2 /NDF: 290.6/44

-7.119 $\pm$ 1.251 χ^2 /NDF: 123.4/43

diff_bpm0l05X_rms vs slug



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

Left Out: 6466.437+/-1.257 χ^2/NDF : 268843.8/26

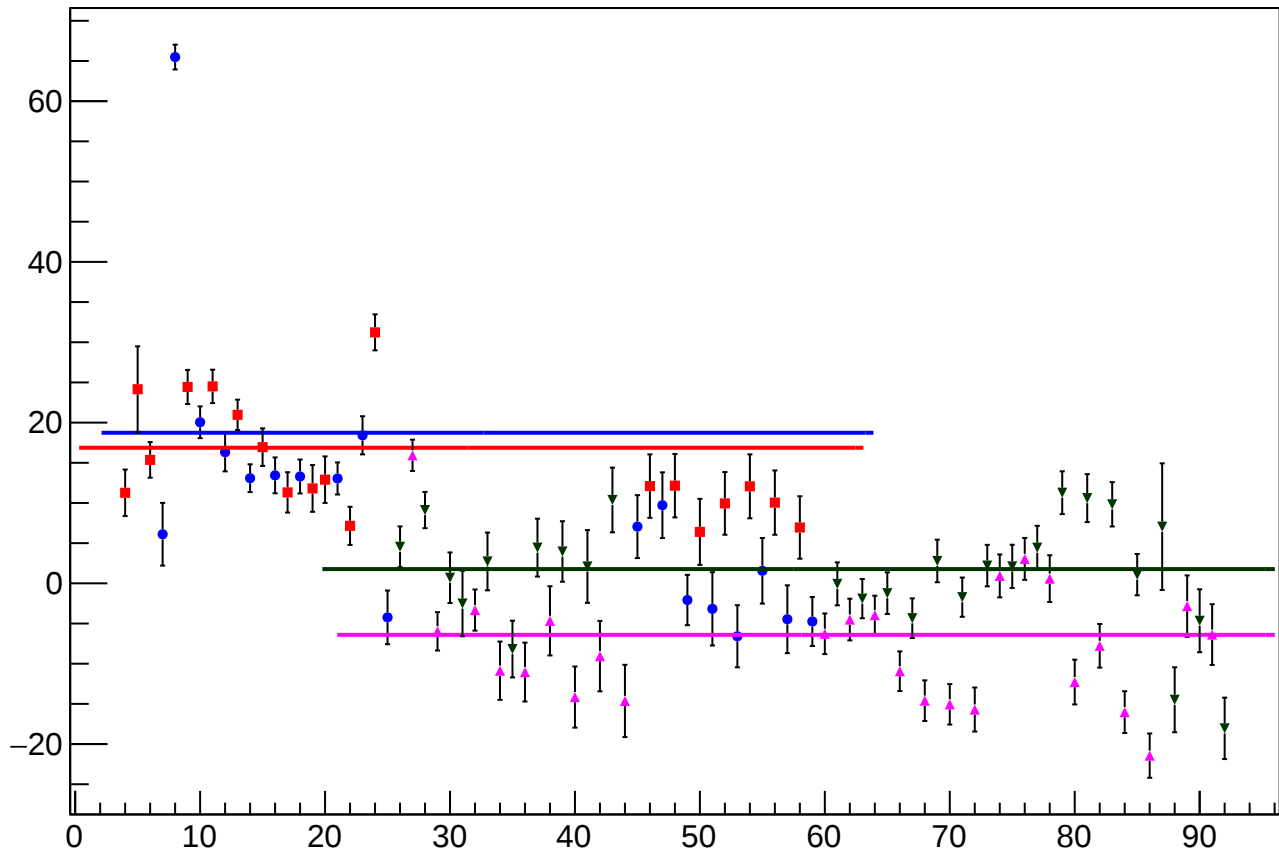
Right Out: 5644.999+/-1.266 χ^2/NDF : 71475.4/18

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

6065.504+/-0.869 χ^2/NDF : 531038.4/44

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

diff_bpm0l05Y_mean vs slug



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

Left Out: 1.774 $\pm$ 0.574 χ^2 /NDF: 116.3/26

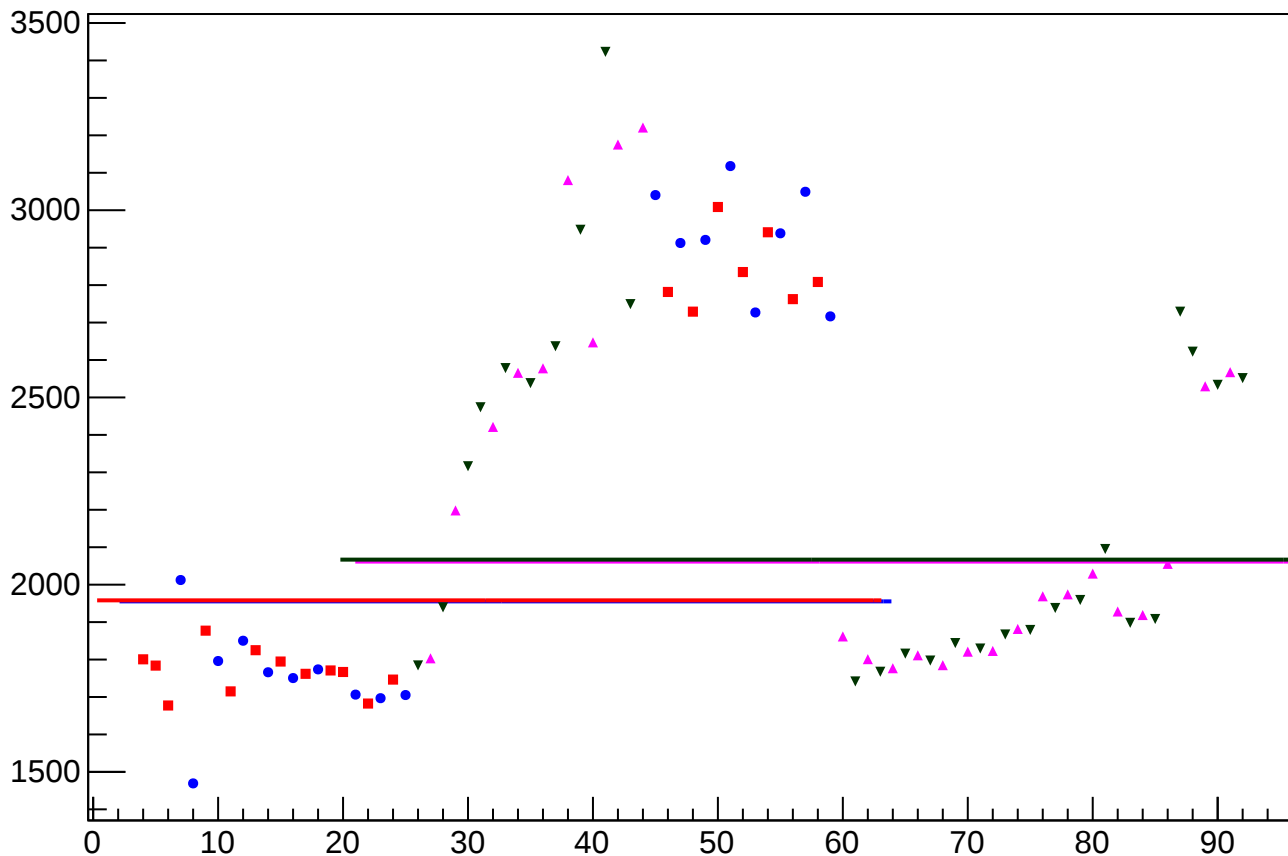
Right Out: 16.874 $\pm$ 0.633 χ^2 /NDF: 128.0/18

Left In: -6.408 $\pm$ 0.564 χ^2 /NDF: 258.3/24

9.862 $\pm$ 0.415 χ^2 /NDF: 1773.5/44

3.893 $\pm$ 0.421 χ^2 /NDF: 1140.1/43

diff_bpm0l05Y_rms vs slug



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

Left Out: 2066.878 $\pm$ 0.406 χ^2 /NDF: 829099.3/26

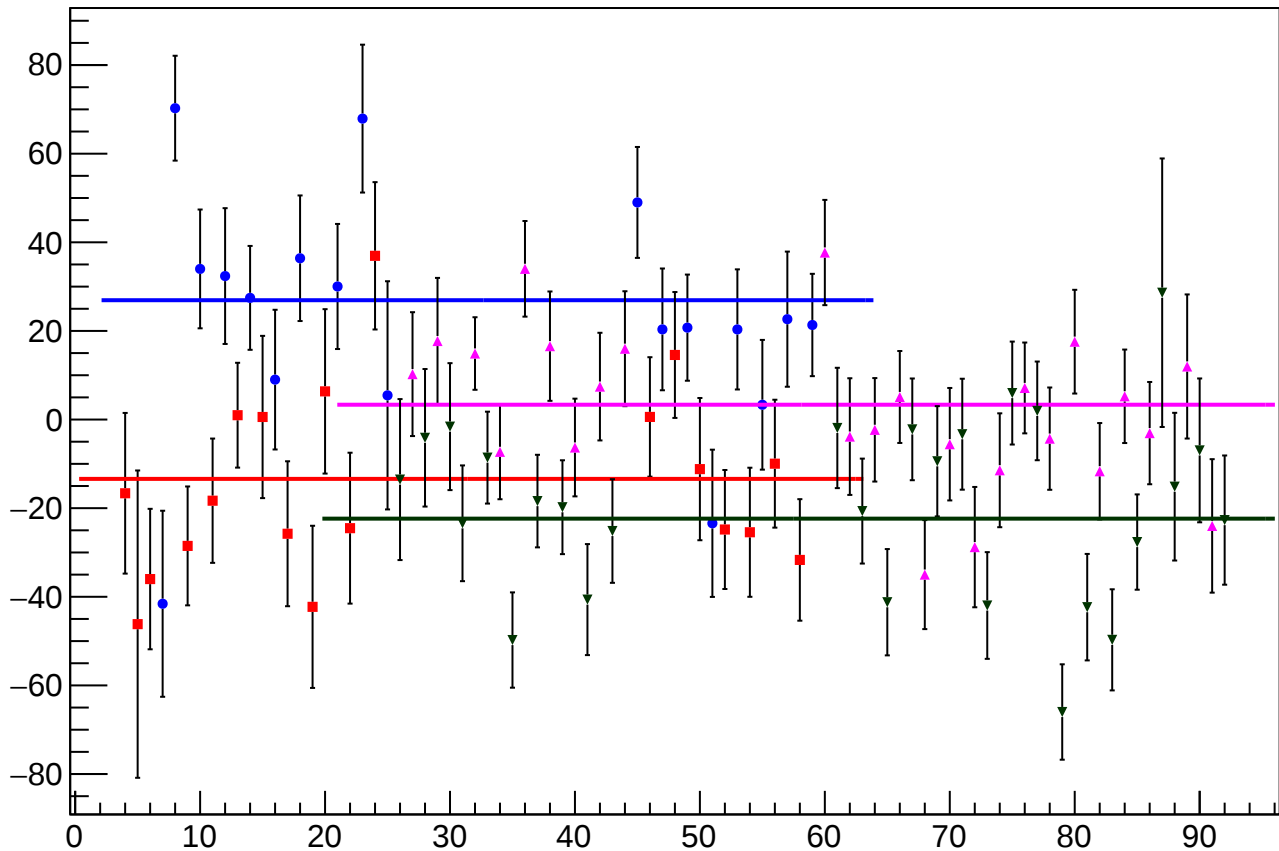
Right Out: 1958.115 $\pm$ 0.448 χ^2 /NDF: 858074.3/18

Left In: 2061.635 $\pm$ 0.399 χ^2 /NDF: 809880.4/24

2013.713 $\pm$ 0.294 χ^2 /NDF: 2240724.7/44

2015.833 $\pm$ 0.298 χ^2 /NDF: 1697757.8/43

diff_bpm0l06X_mean vs slug



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

Left Out: -22.364 ± 2.390 $\chi^2/\text{NDF}: 68.1/26$

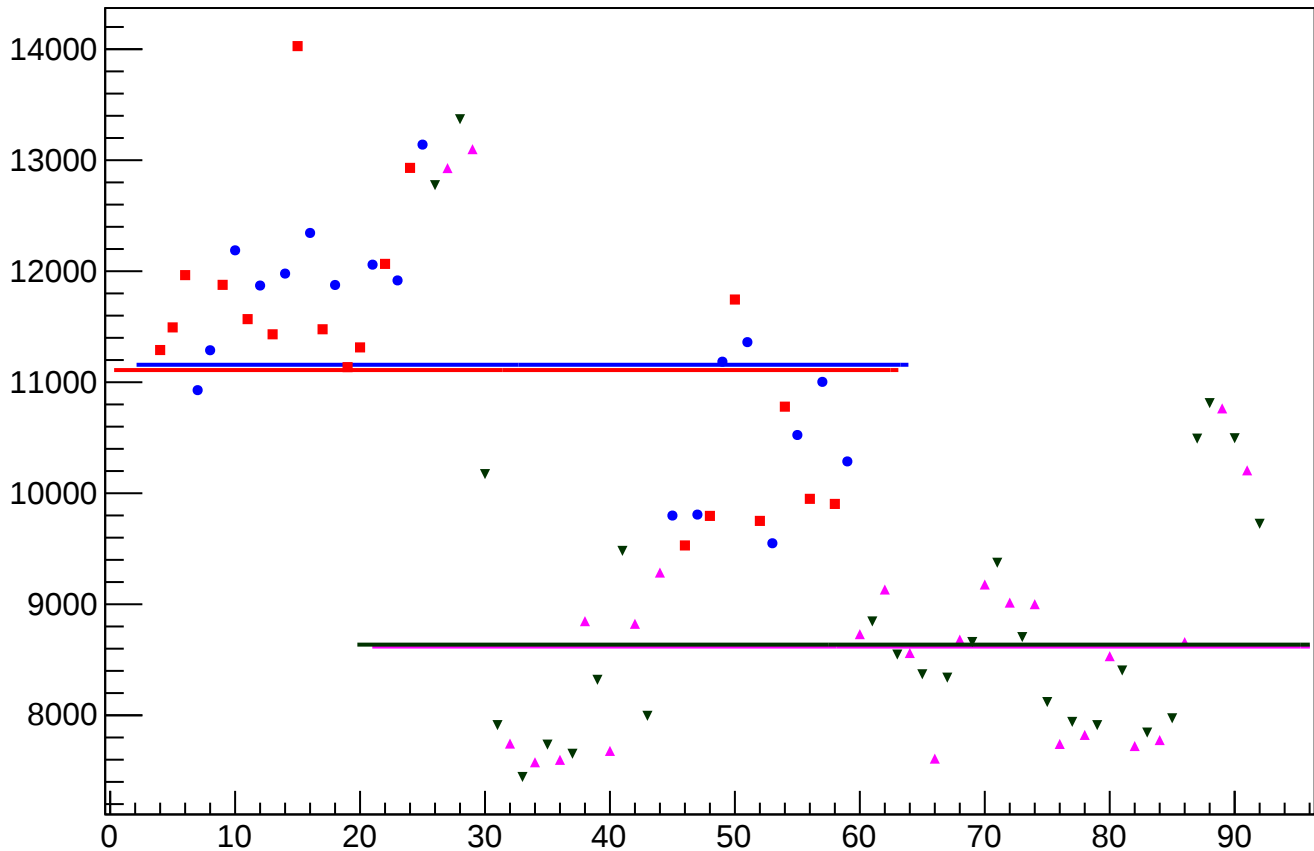
Right Out: -13.392 ± 3.535 $\chi^2/\text{NDF}: 28.4/18$

Left In: 3.346 ± 2.350 $\chi^2/\text{NDF}: 49.2/24$

-5.645 ± 1.943 $\chi^2/\text{NDF}: 261.2/44$

-1.785 ± 1.957 $\chi^2/\text{NDF}: 93.2/43$

diff_bpm0l06X_rms vs slug



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

Left Out: 8636.457 $\pm$ 1.690 χ^2 /NDF:521743.8/26

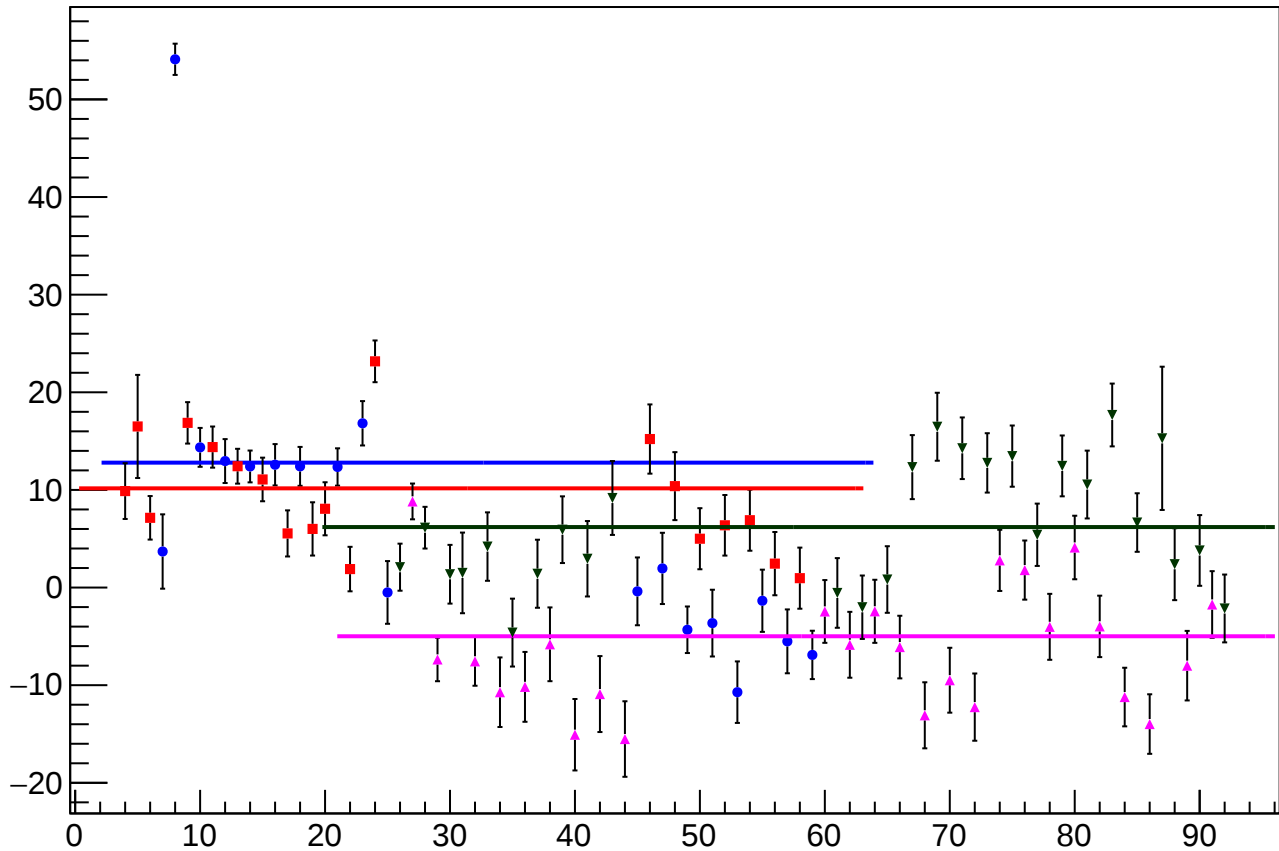
9491.439 $\pm$ 1.374 χ^2 /NDF: 1429819.4/44

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 $\pm$ 0.559 χ^2 /NDF: 961.0/17

Left Out: 6.196 $\pm$ 0.630 χ^2 /NDF: 88.5/26

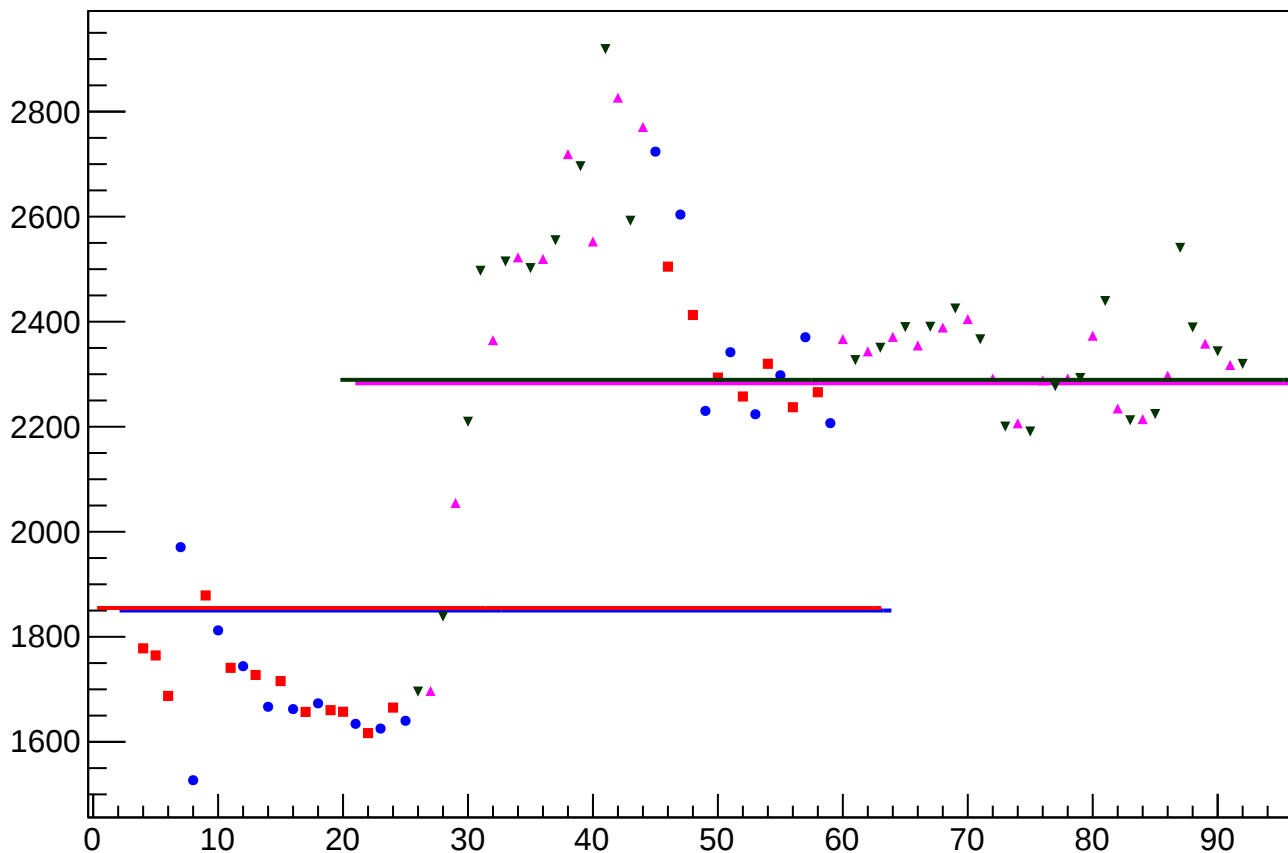
Right Out: 10.162 $\pm$ 0.592 χ^2 /NDF: 97.7/18

Left In: -4.989 $\pm$ 0.619 χ^2 /NDF: 128.2/24

9.889 $\pm$ 0.418 χ^2 /NDF: 1110.8/44

2.919 $\pm$ 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: 2289.292+/-0.446 χ^2/NDF : 361374.1/26

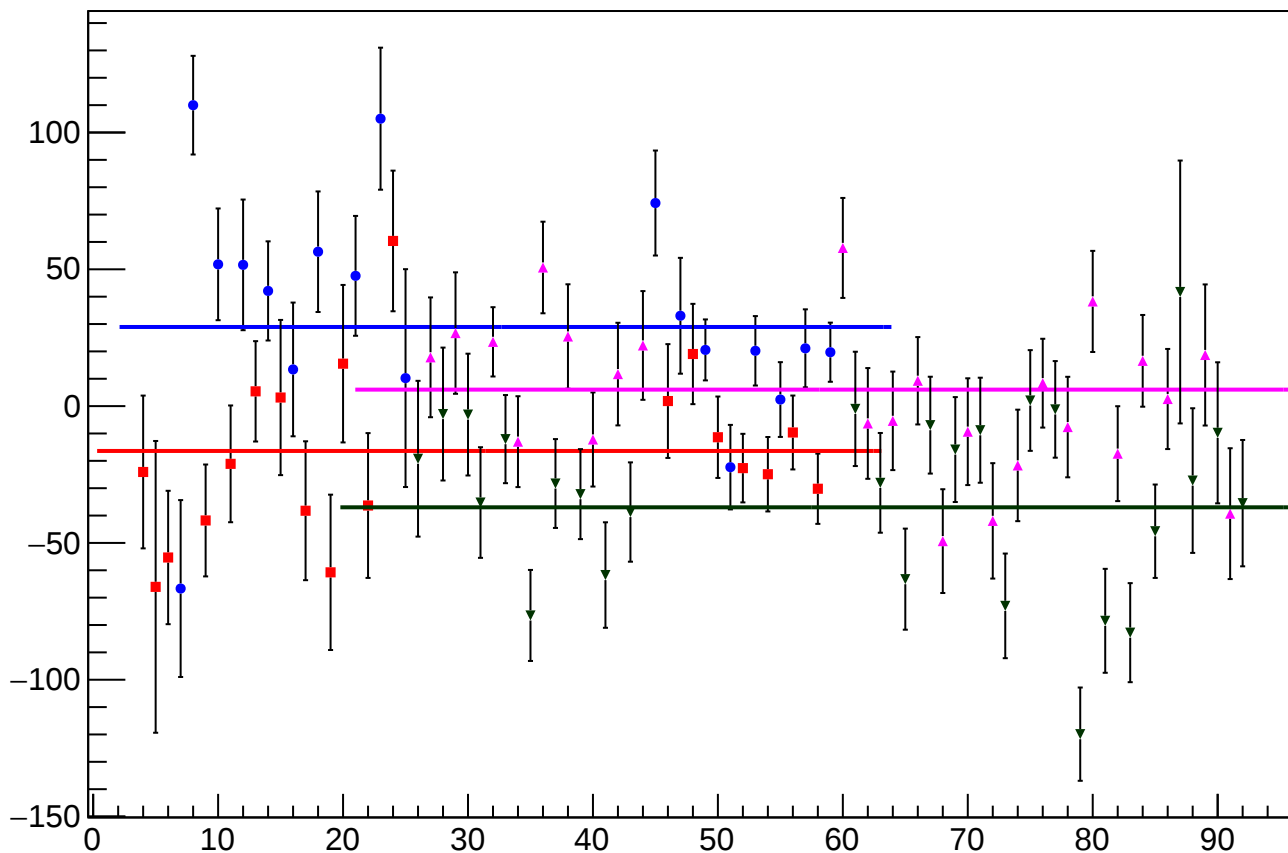
Right Out: 1854.854+/-0.419 χ^2/NDF : 407929.4/18

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

2043.463+/-0.296 χ^2/NDF : 1568158.0/44

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

diff_bpm0l07X_mean vs slug



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

Left Out: -36.983 ± 3.732 $\chi^2/\text{NDF}: 77.4/26$

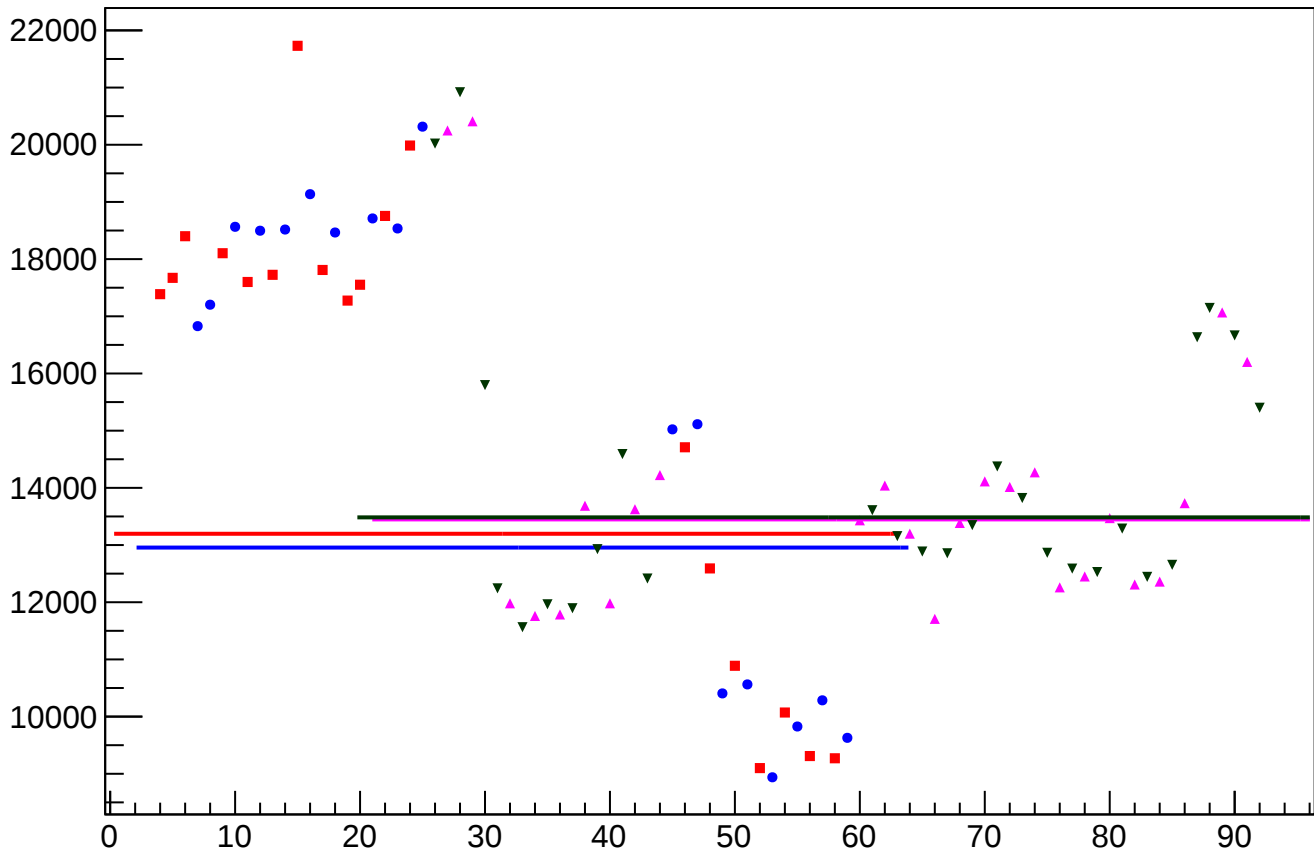
Right Out: -16.388 ± 4.377 $\chi^2/\text{NDF}: 27.5/18$

Left In: 6.030 ± 3.667 $\chi^2/\text{NDF}: 49.1/24$

-6.594 ± 2.740 $\chi^2/\text{NDF}: 286.8/44$

-3.215 ± 2.811 $\chi^2/\text{NDF}: 92.1/43$

diff_bpm0l07X_rms vs slug



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

Left Out: 13483.965 $\pm$ 2.639 χ^2 /NDF: 529014.0/26

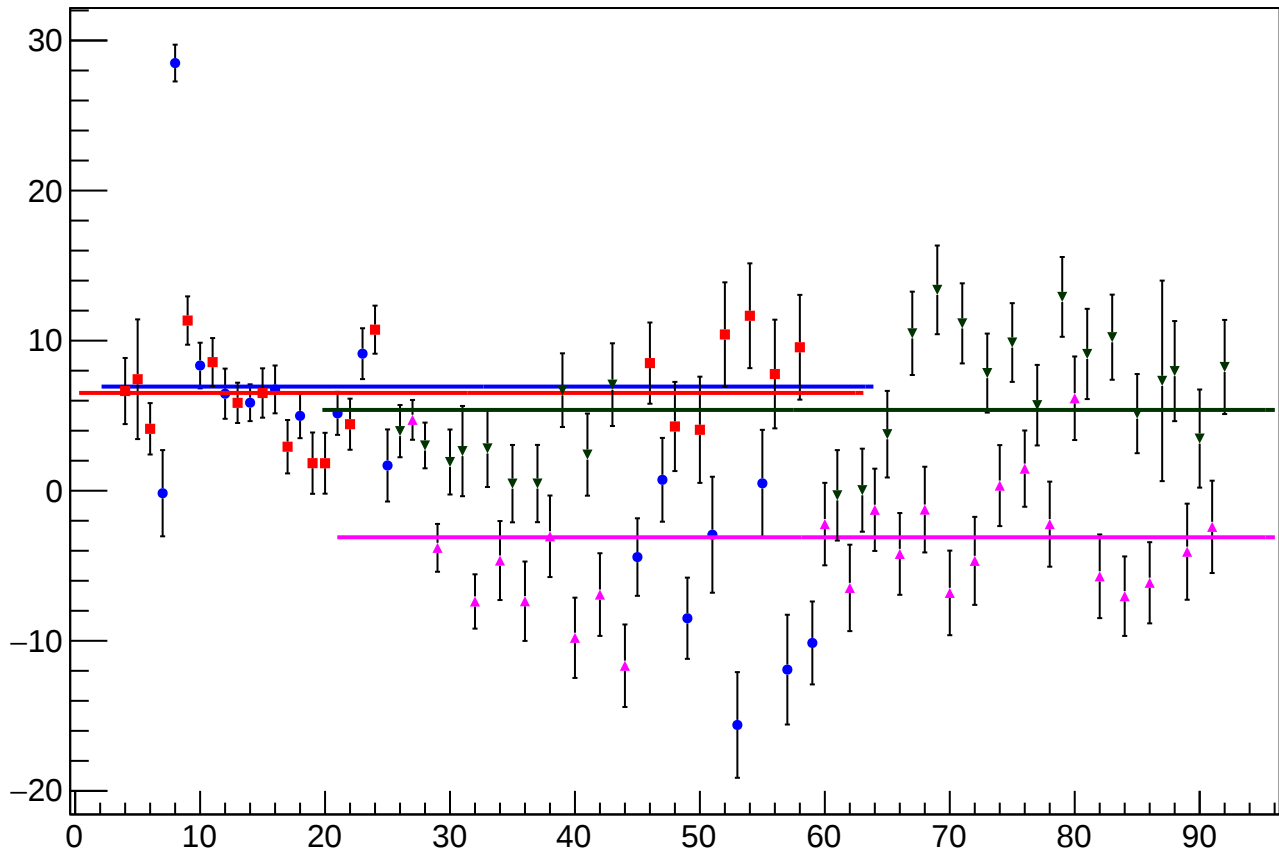
13240.483 $\pm$ 1.937 χ^2 /NDF: 2448106.5/44

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: 5.384 ± 0.502 χ^2/NDF : 57.7/26

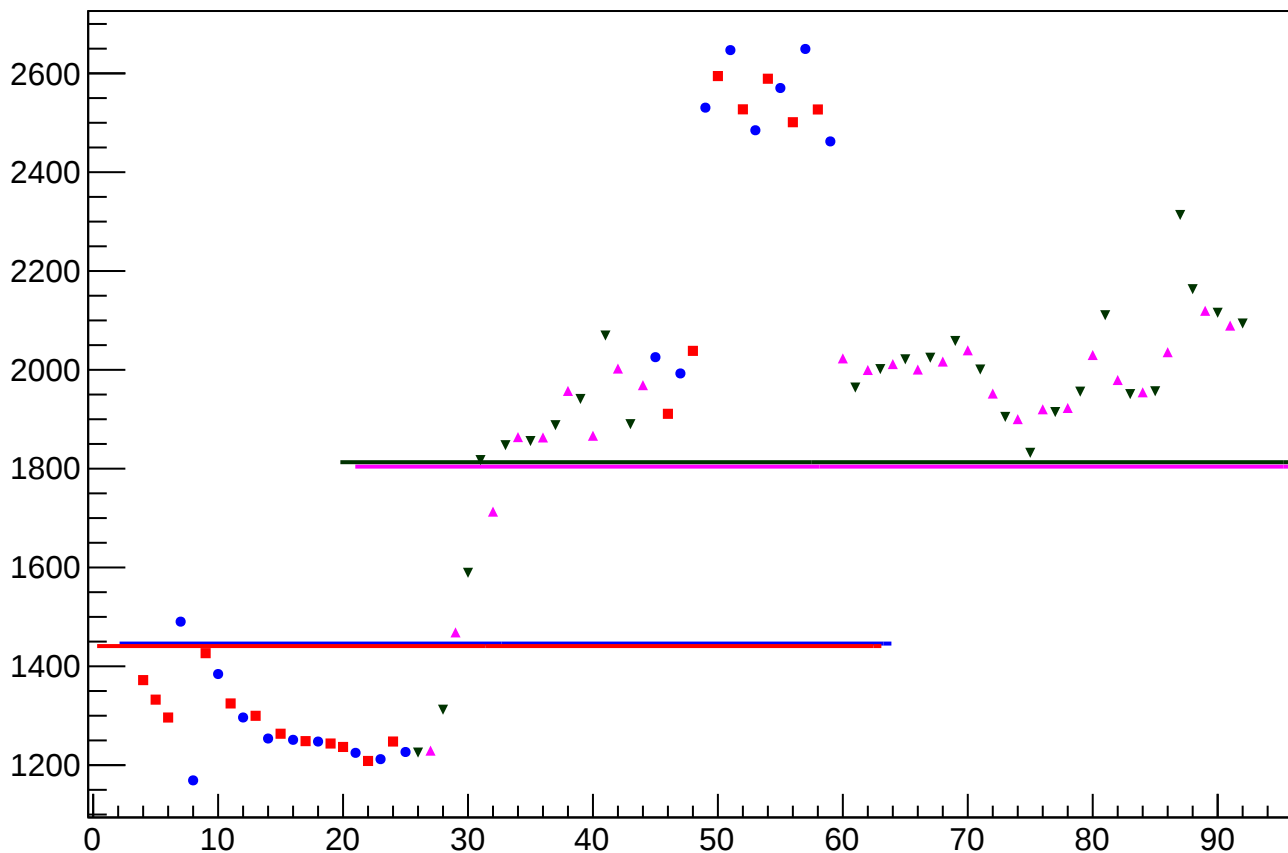
Right Out: 6.517 ± 0.472 χ^2/NDF : 41.8/18

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

6.247 ± 0.335 χ^2/NDF : 562.6/44

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: 1813.084+/-0.355 χ^2/NDF : 660460.9/26

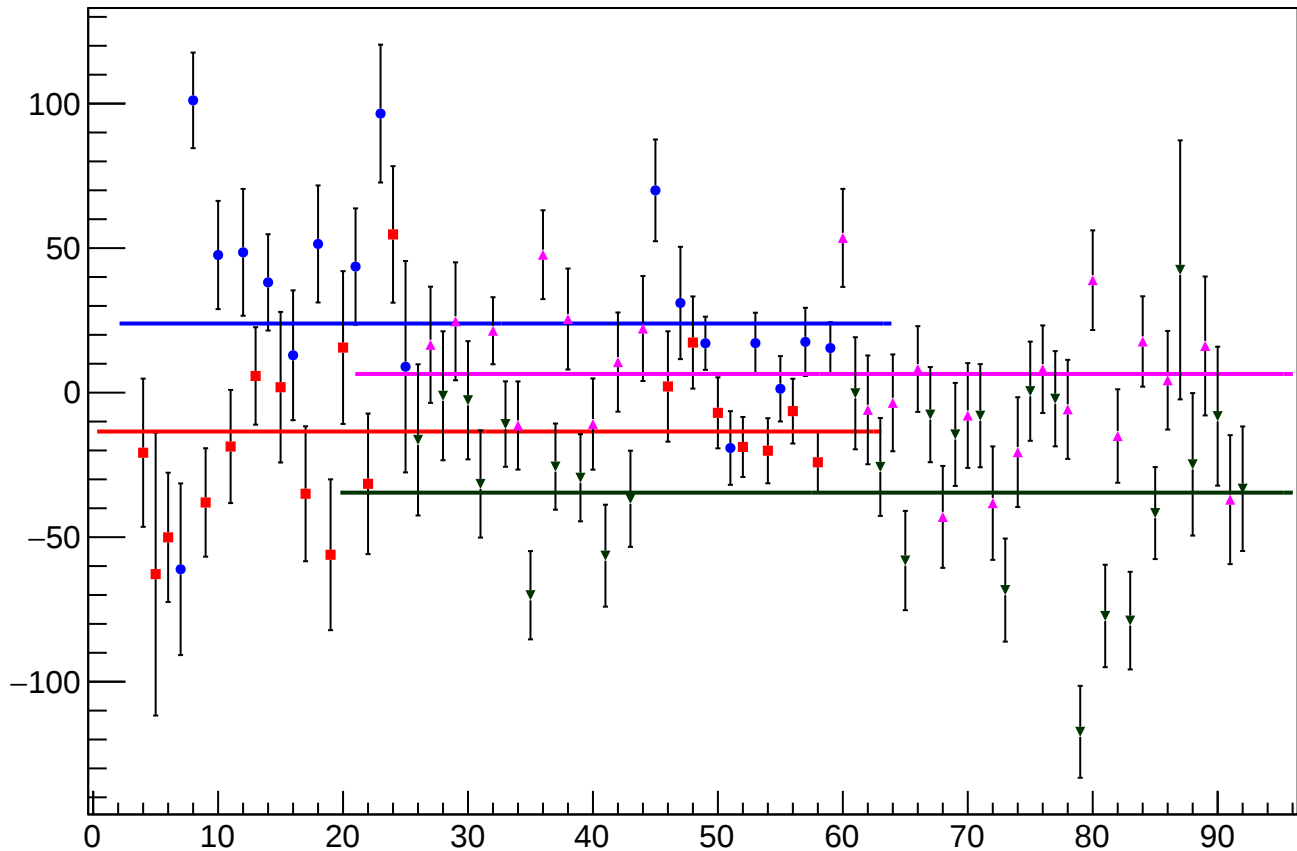
1609.438+/-0.237 χ^2/NDF : 3145439.8/44

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

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

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

diff_bpm0l08X_mean vs slug



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

Left Out: -34.592 ± 3.456 χ^2/NDF : 82.6/26

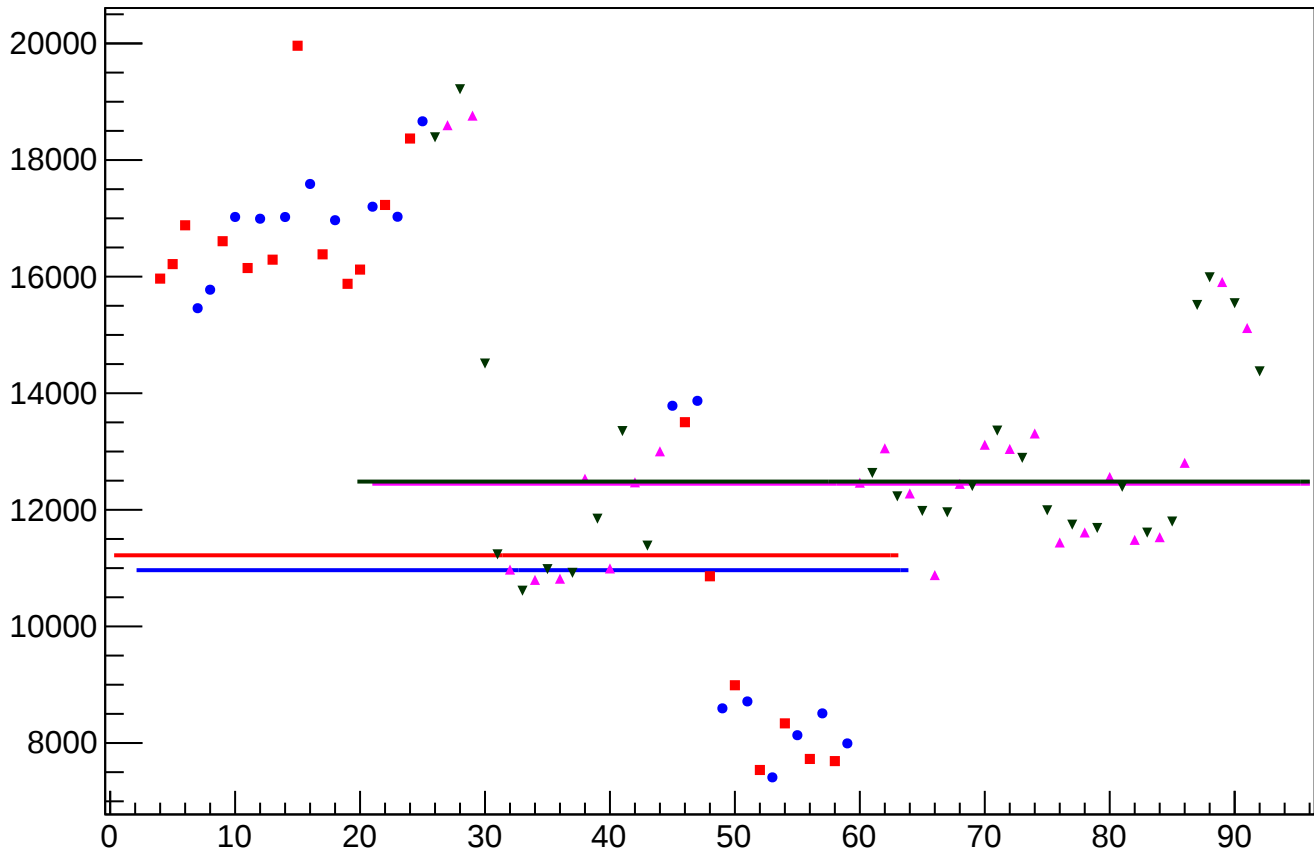
Right Out: -13.450 ± 3.783 χ^2/NDF : 27.5/18

Left In: 6.463 ± 3.394 χ^2/NDF : 49.0/24

-5.461 ± 2.449 χ^2/NDF : 295.9/44

-2.417 ± 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: 12484.577+/-2.444 χ^2/NDF : 530691.2/26

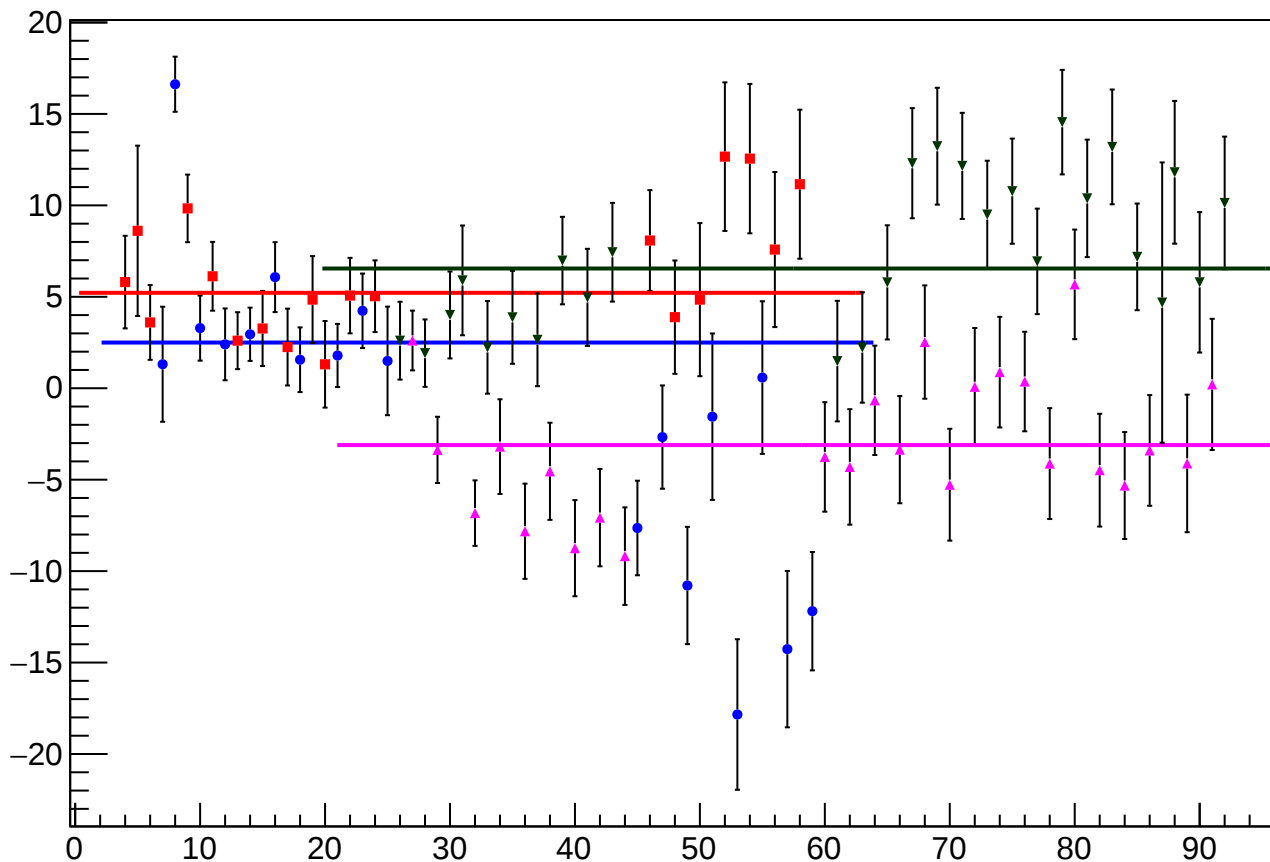
11727.740+/-1.731 χ^2/NDF : 3274151.6/44

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: 6.547 ± 0.544 χ^2/NDF : 53.9/26

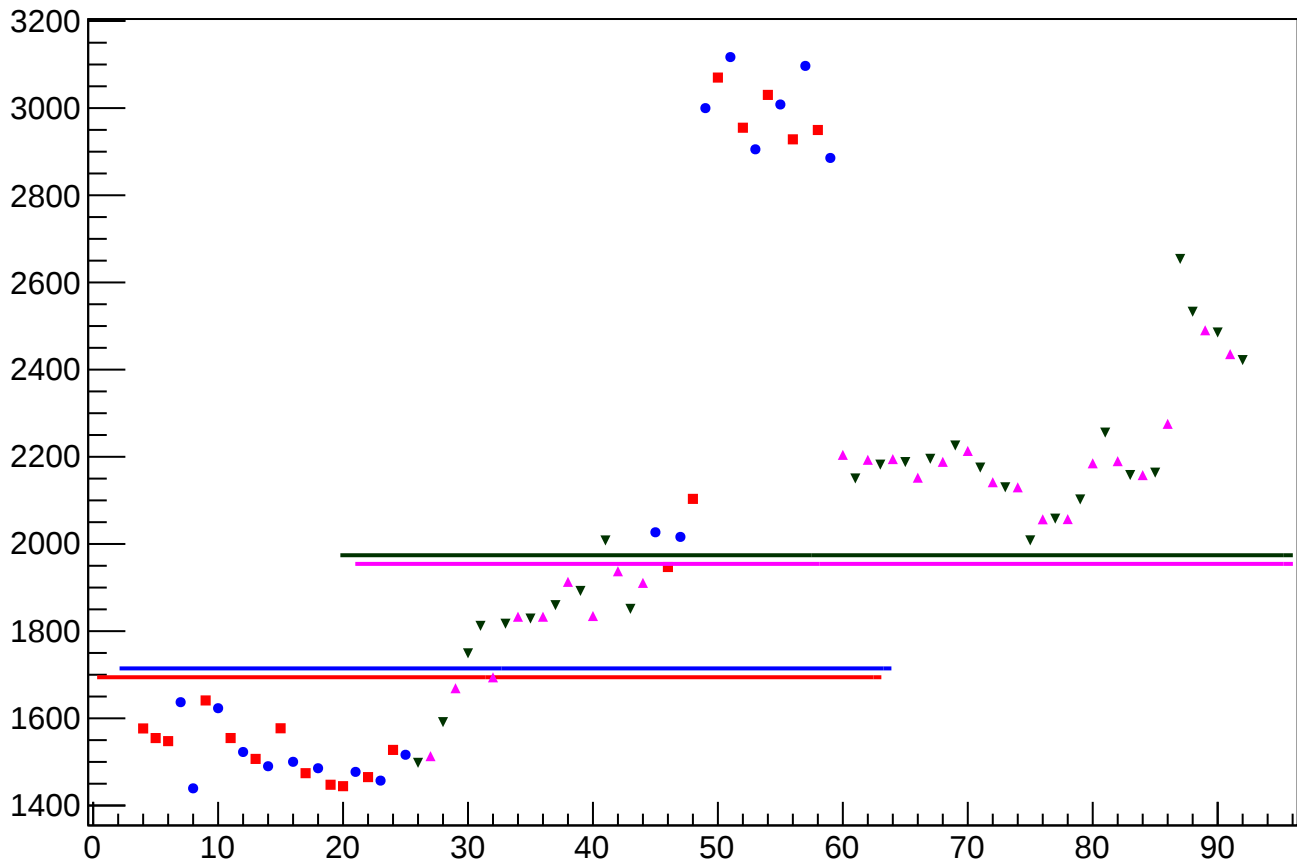
Right Out: 5.218 ± 0.553 χ^2/NDF : 26.5/18

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

4.470 ± 0.380 χ^2/NDF : 272.7/44

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: 1974.174+/-0.385 χ^2/NDF : 457571.6/26

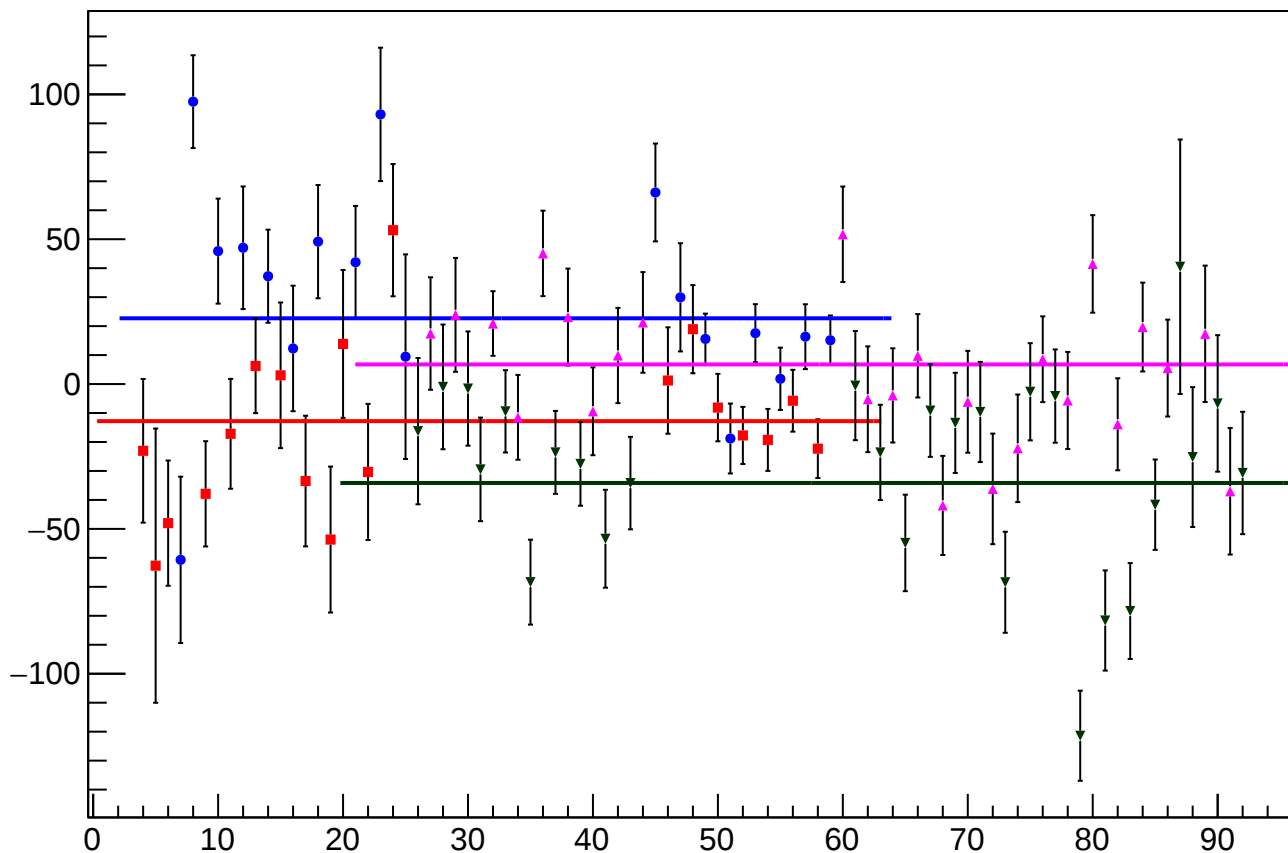
Right Out: 1694.263+/-0.391 χ^2/NDF : 1202765.8/18

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

1840.971+/-0.269 χ^2/NDF : 2361854.3/44

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: -34.146 ± 3.351 $\chi^2/\text{NDF}: 88.9/26$

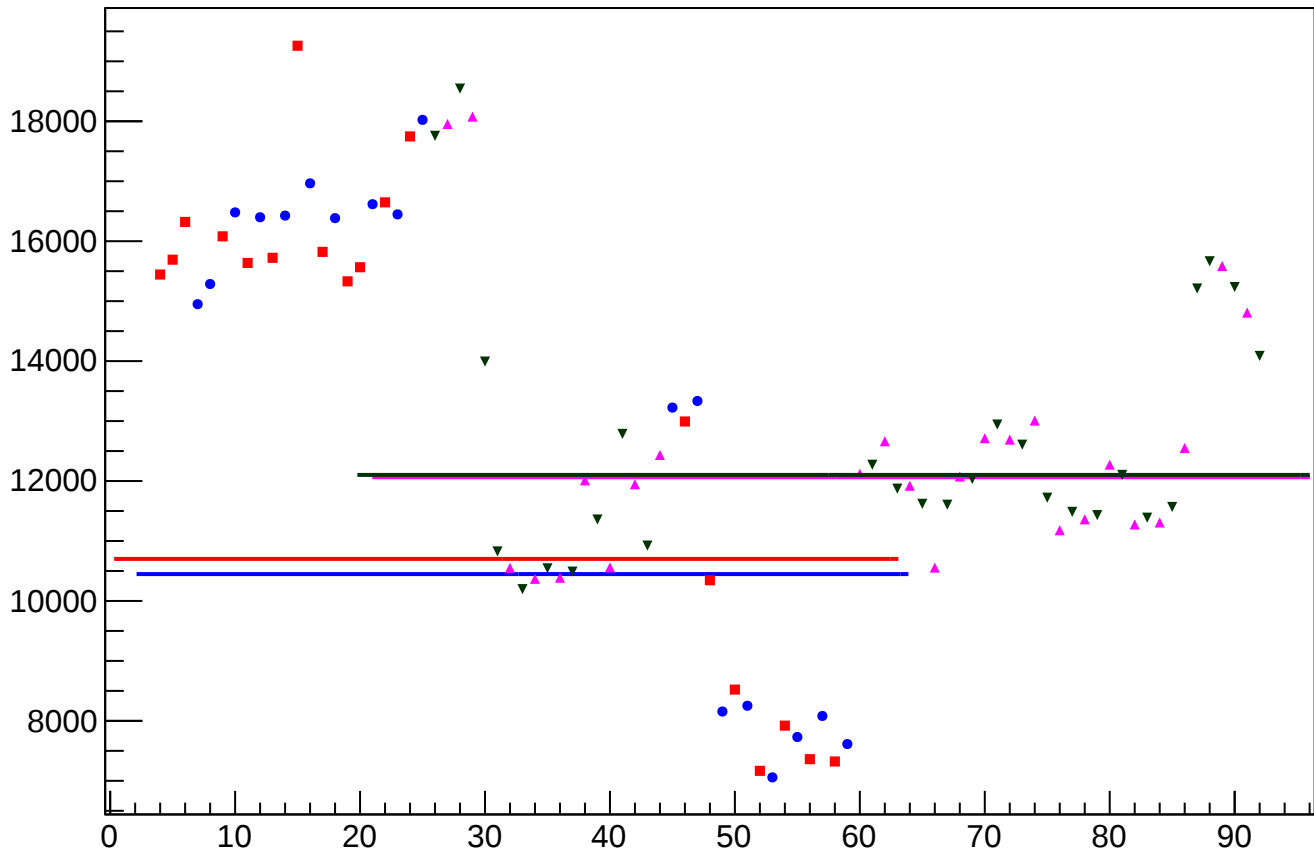
Right Out: -12.799 ± 3.618 $\chi^2/\text{NDF}: 28.2/18$

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

-5.419 ± 2.357 $\chi^2/\text{NDF}: 305.3/44$

-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: 12102.138+/-2.369 χ^2/NDF :542375.4/26

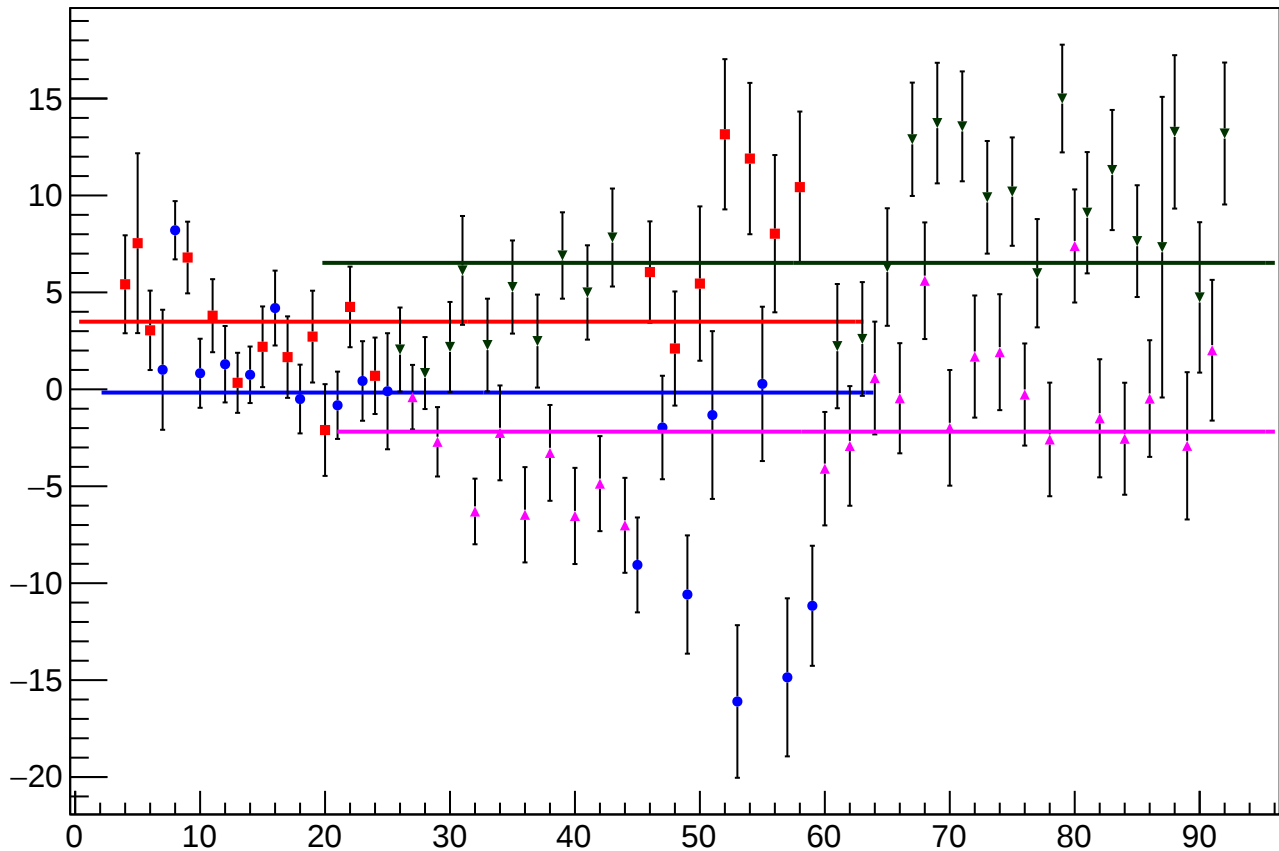
11266.263+/-1.666 χ^2/NDF : 3443311.7/44

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 ± 0.526 χ^2/NDF : 105.2/17

Left Out: 6.523 ± 0.528 χ^2/NDF : 66.1/26

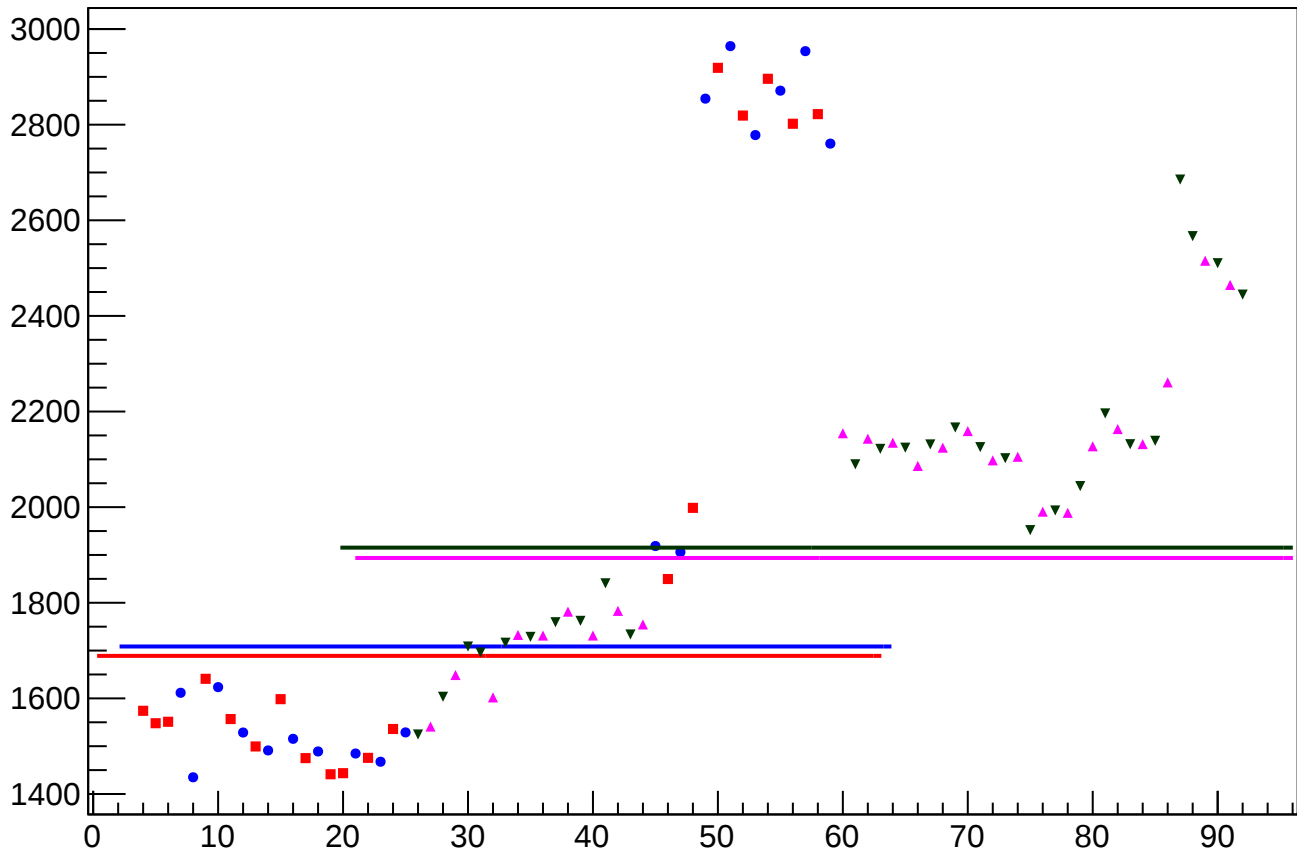
Right Out: 3.490 ± 0.549 χ^2/NDF : 34.4/18

Left In: -2.184 ± 0.515 χ^2/NDF : 43.5/24

3.162 ± 0.373 χ^2/NDF : 251.9/44

0.470 ± 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: 1915.316+/-0.373 χ^2/NDF : 481123.1/26

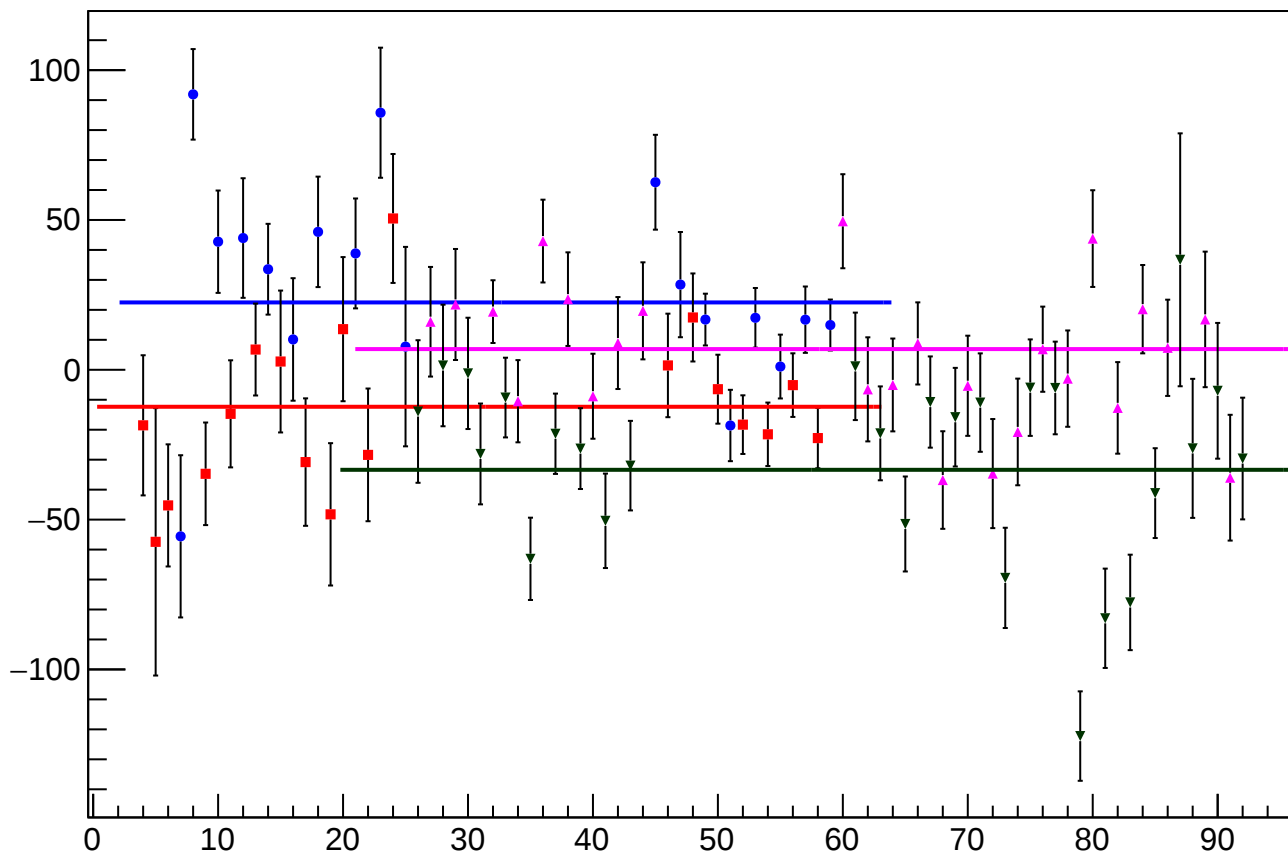
1811.457+/-0.263 χ^2/NDF : 2099655.1/44

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 $\pm$ 3.228 χ^2 /NDF: 68.3/17

Left Out: -33.380 $\pm$ 3.179 χ^2 /NDF: 95.0/26

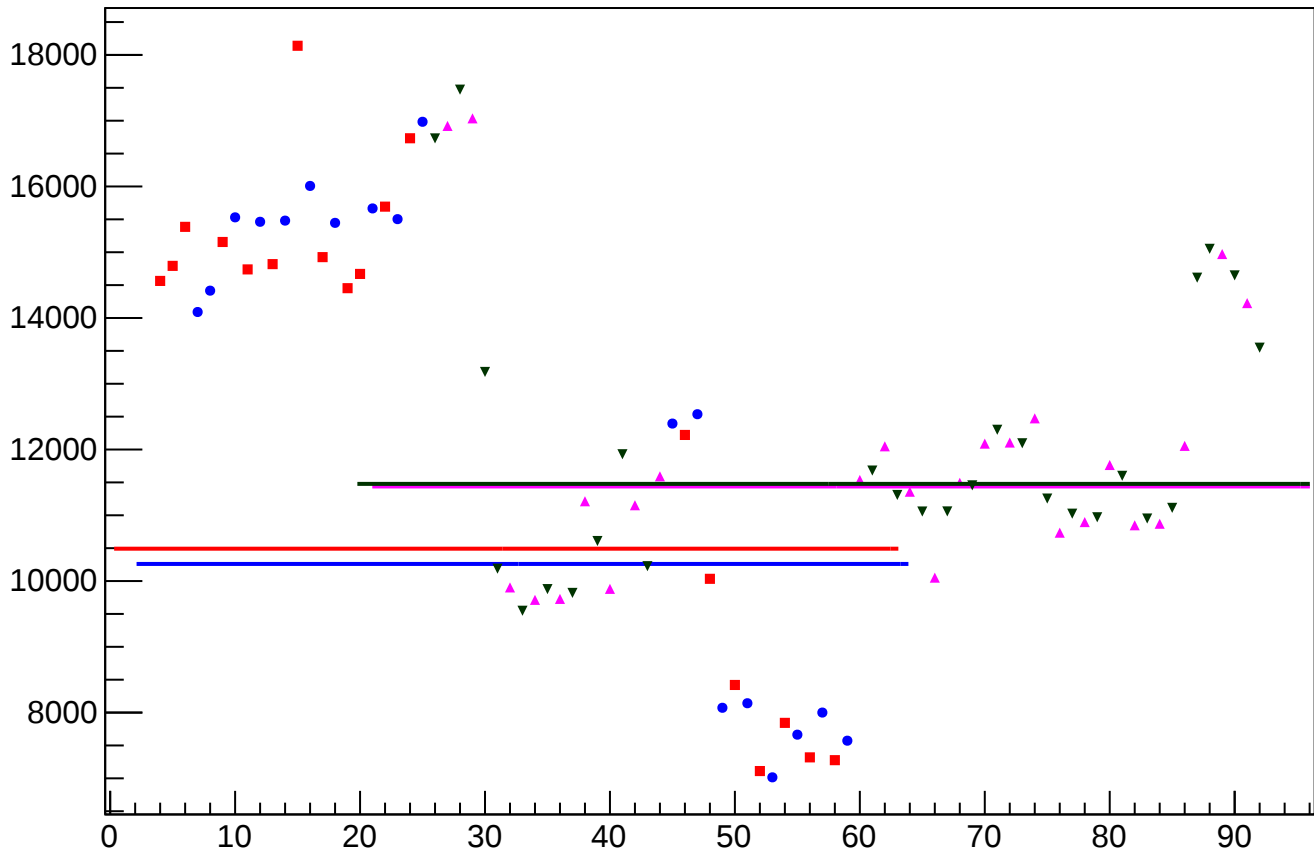
Right Out: -12.340 $\pm$ 3.516 χ^2 /NDF: 28.3/18

Left In: 6.910 $\pm$ 3.120 χ^2 /NDF: 50.2/24

-5.878 $\pm$ 2.265 χ^2 /NDF: 315.4/44

-1.568 $\pm$ 2.334 χ^2 /NDF: 95.2/43

diff_bpm0l10X_rms vs slug



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

Left Out: 11477.515 $\pm$ 2.248 χ^2 /NDF: 562064.6/26

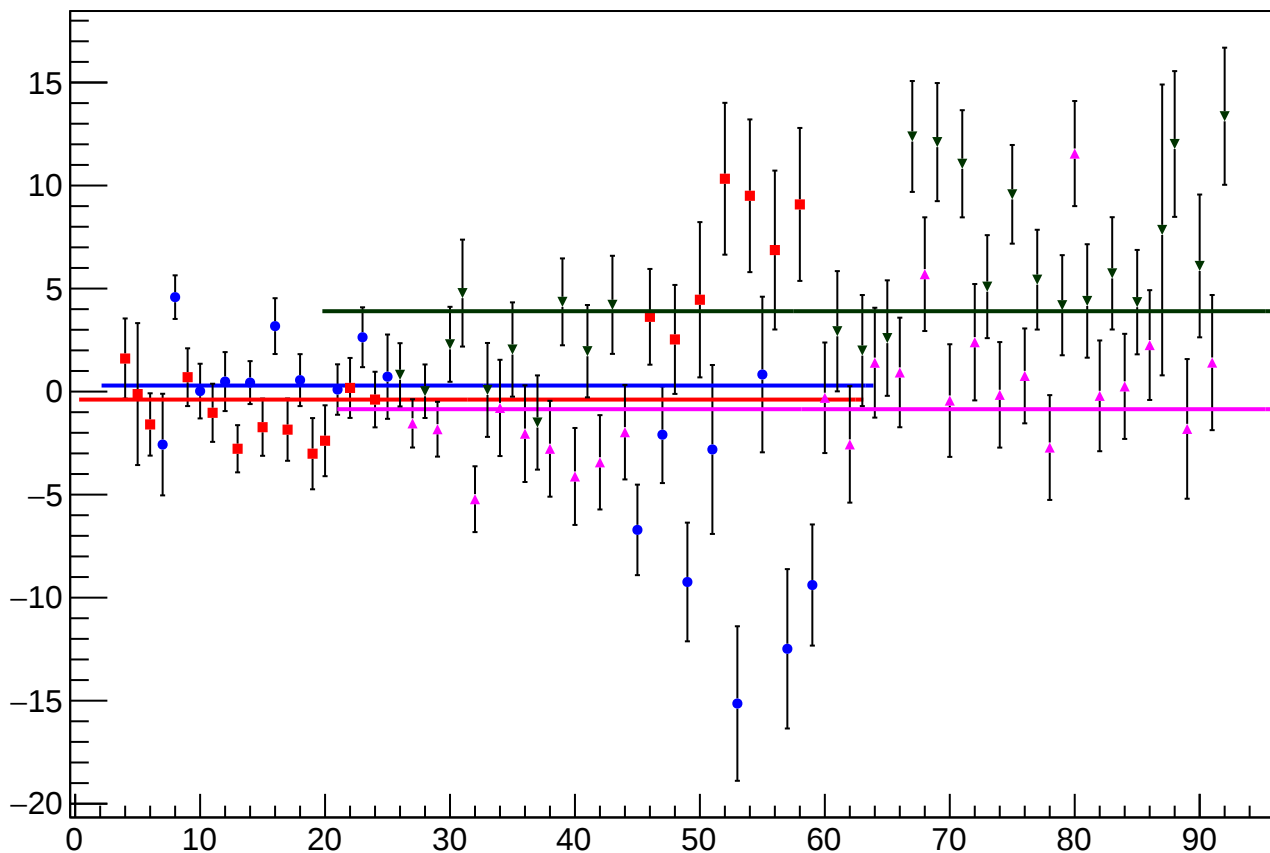
10878.153 $\pm$ 1.602 χ^2 /NDF: 3026477.8/44

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: 3.901 ± 0.456 χ^2/NDF : 71.1/26

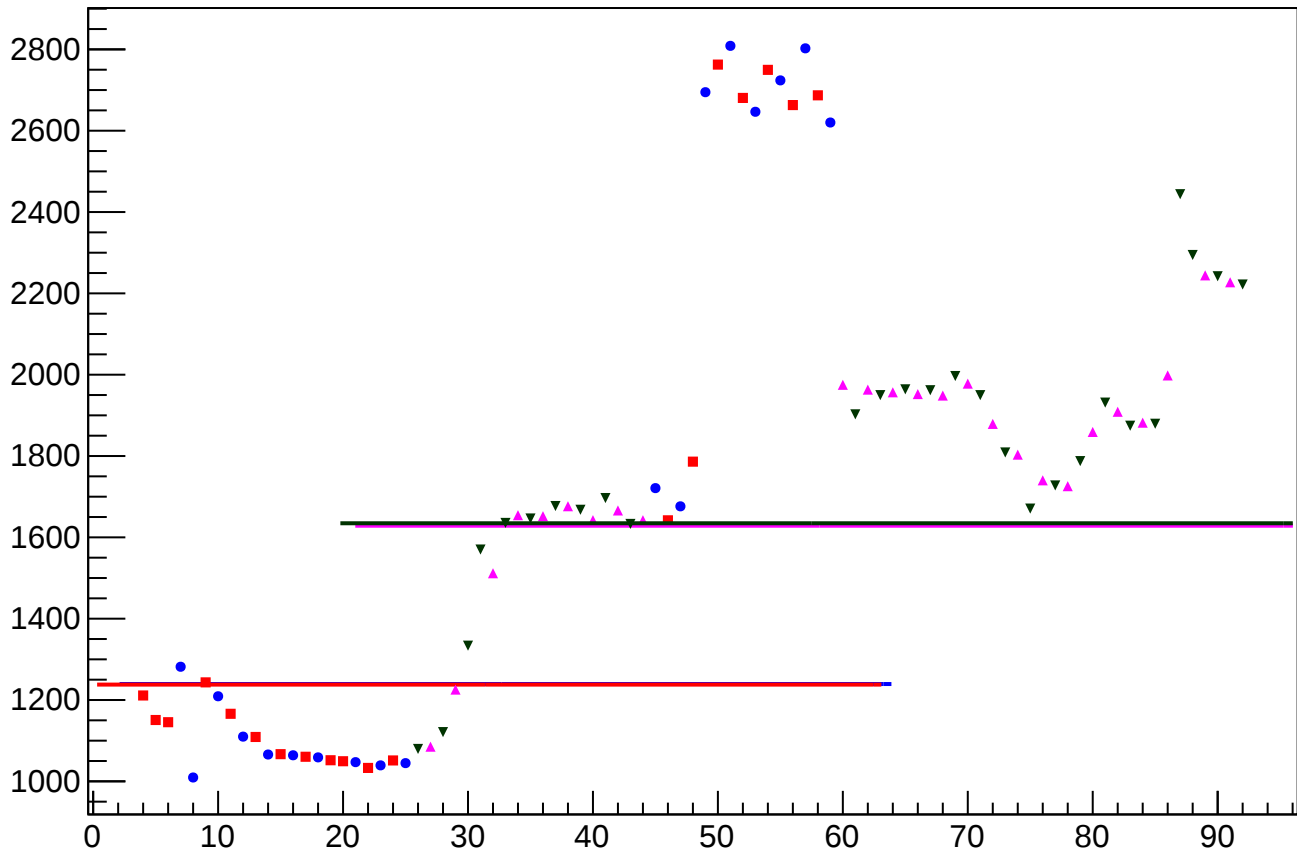
Right Out: -0.388 ± 0.412 χ^2/NDF : 44.0/18

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

1.829 ± 0.298 χ^2/NDF : 193.6/44

-0.602 ± 0.303 χ^2/NDF : 92.8/43

diff_bpm0l10Y_rms vs slug



Right In: 1239.296+/-0.278 χ^2/NDF : 2675601.4/17

Left Out: 1634.628+/-0.323 χ^2/NDF :1093961.2/26

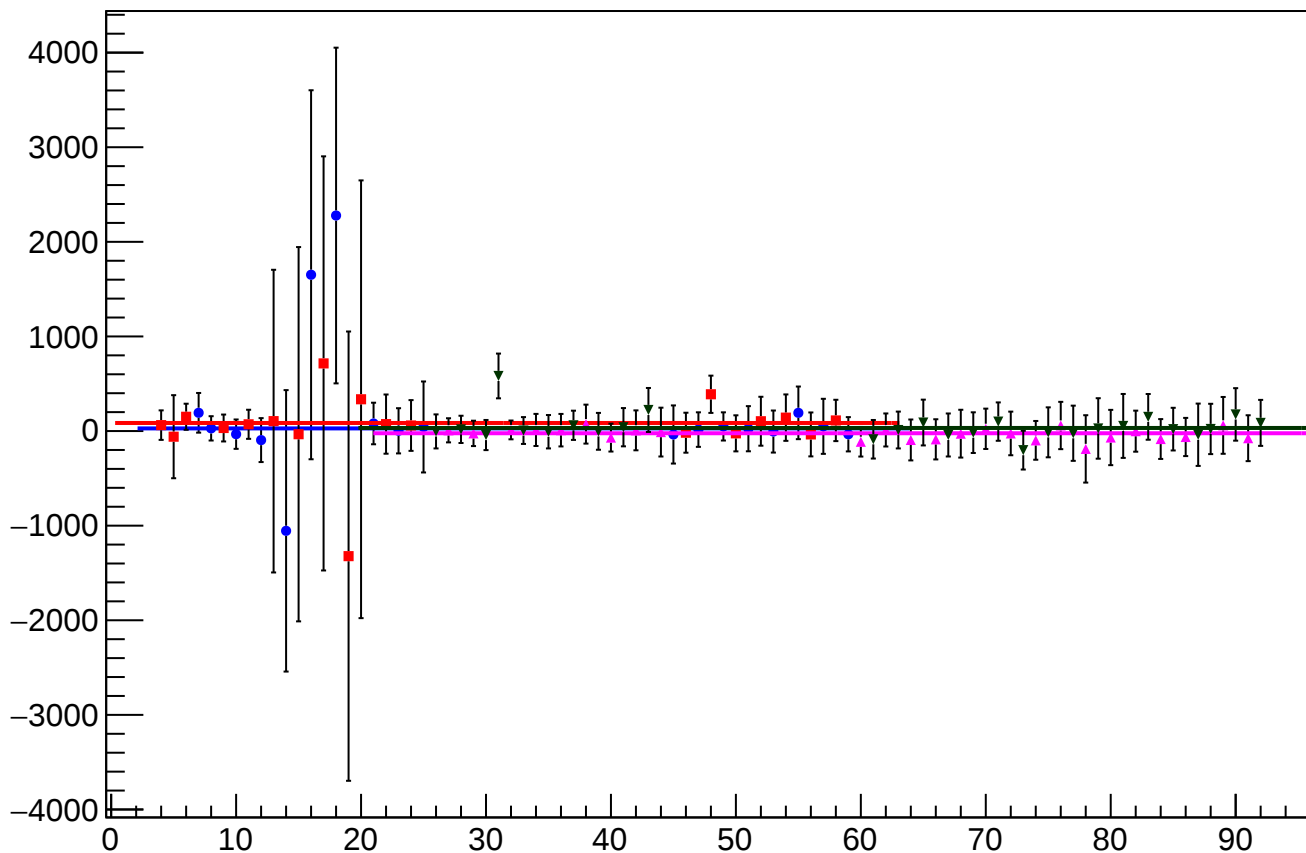
Right Out: 1237.907+/-0.291 χ^2/NDF : 1914347.8/18

Left In: 1628.633+/-0.316 χ^2/NDF :1069094.8/24

1407.588+/-0.210 χ^2/NDF : 4632012.3/44

1417.147+/-0.214 χ^2/NDF : 3809265.0/43

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: 32.640+/-40.134 χ^2/NDF : 9.2/26

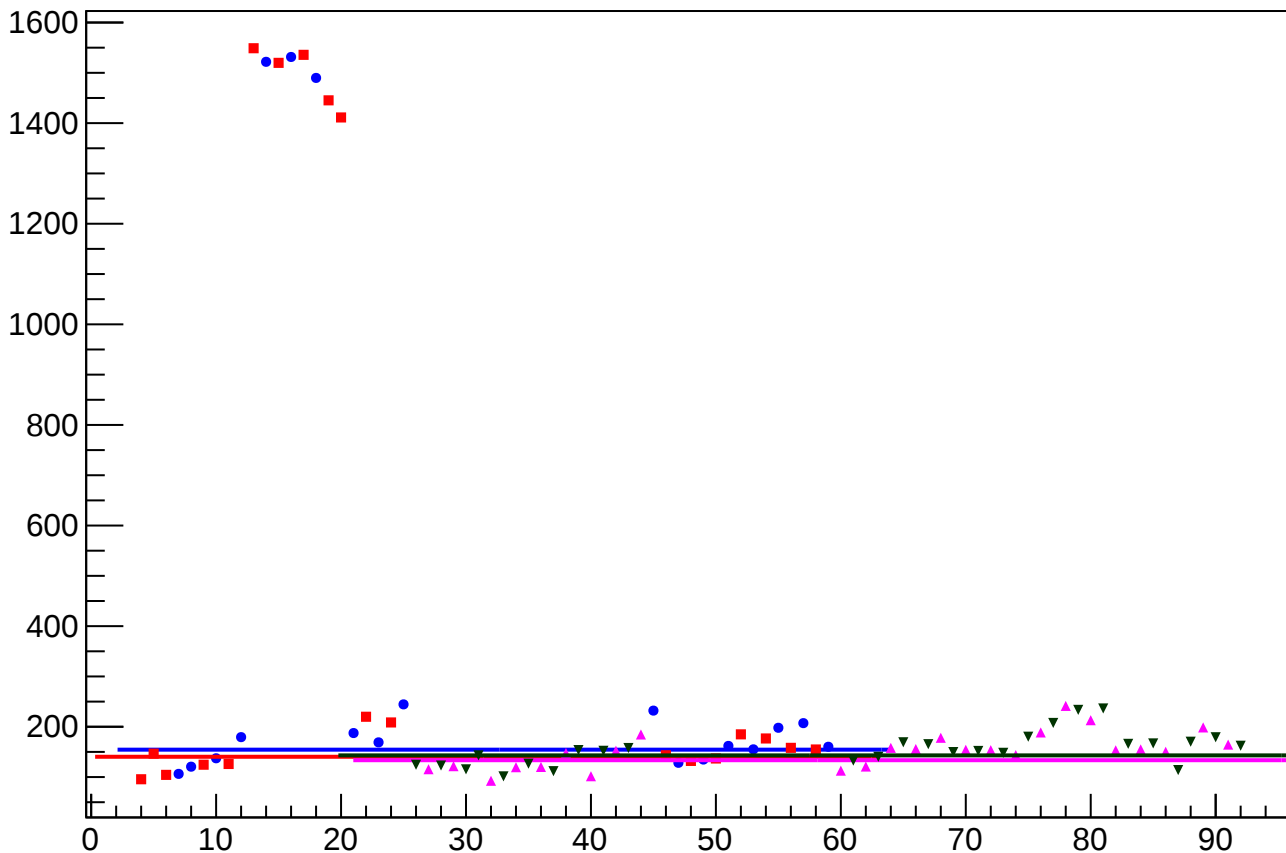
Right Out: 85.325+/-52.506 χ^2/NDF : 4.3/18

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

30.874+/-31.839 χ^2/NDF : 13.7/44

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: 143.097 $\pm$ 0.028 χ^2 /NDF:1040265.8/26

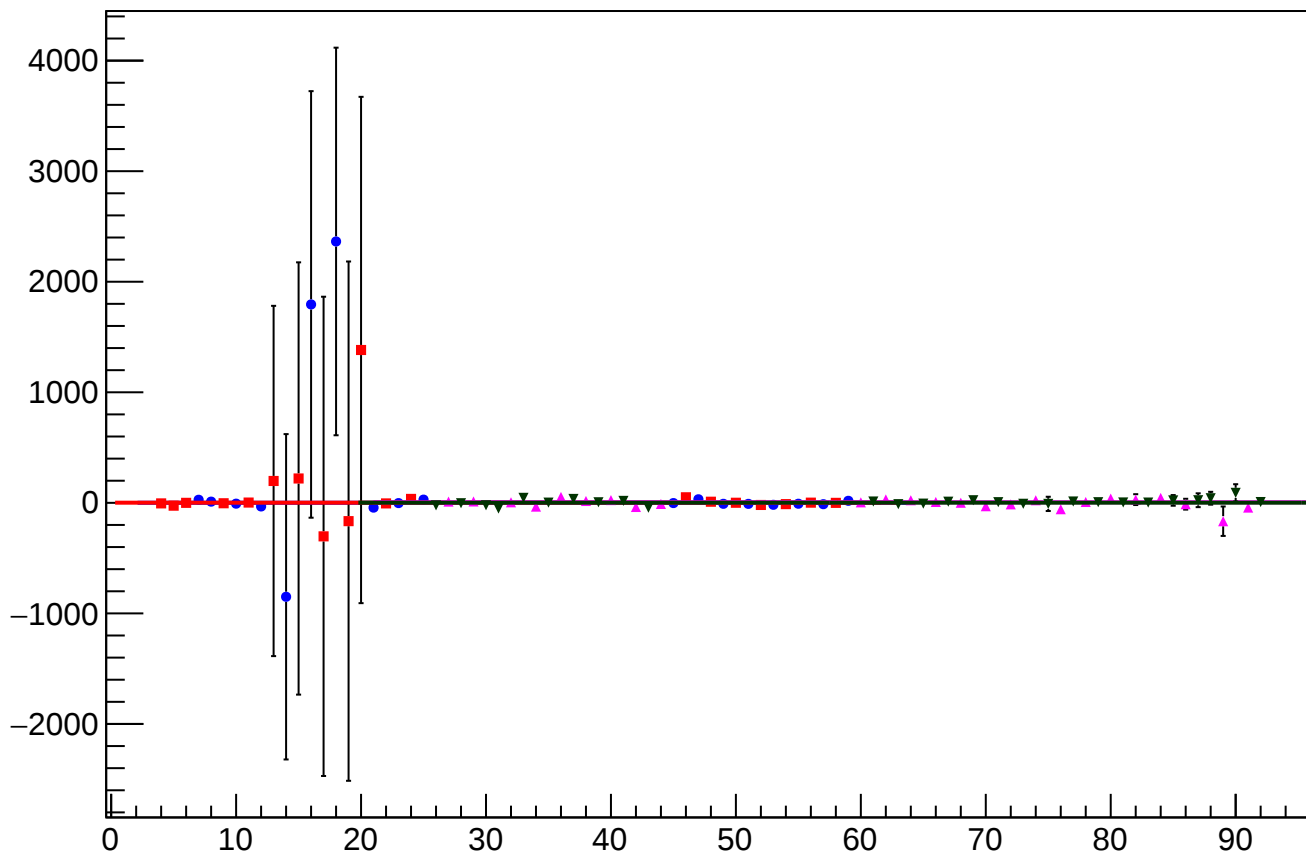
Right Out: 140.345 $\pm$ 0.037 χ^2 /NDF: 5274055.6/18

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

147.306 $\pm$ 0.023 χ^2 /NDF: 5656338.2/44

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 $\chi^2/\text{NDF}: 16.6/17$

Left Out: 1.500 ± 5.001 $\chi^2/\text{NDF}: 18.8/26$

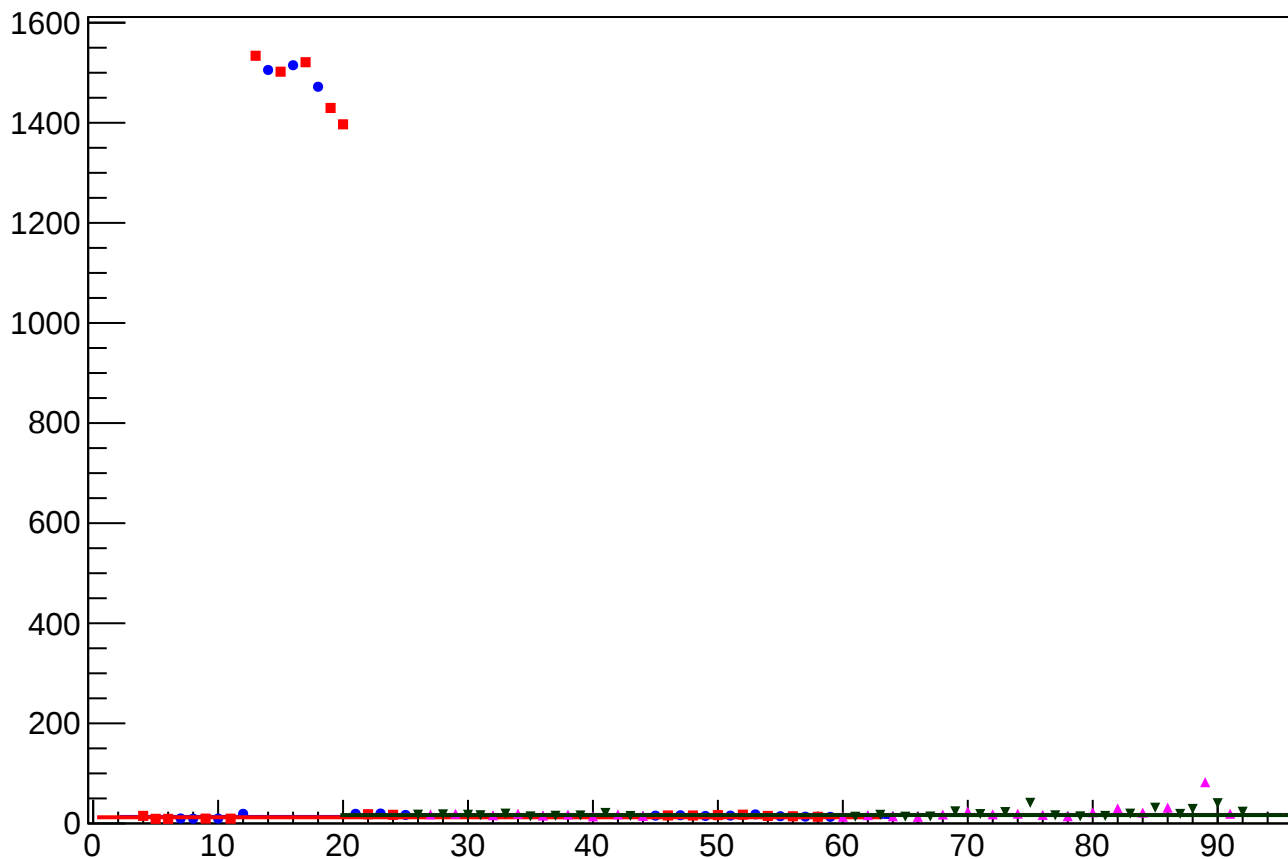
Right Out: 1.382 ± 4.789 $\chi^2/\text{NDF}: 9.5/18$

Left In: 5.578 ± 4.987 $\chi^2/\text{NDF}: 27.3/24$

1.004 ± 3.391 $\chi^2/\text{NDF}: 35.5/44$

3.395 ± 3.454 $\chi^2/\text{NDF}: 37.1/43$

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: 16.779+/-0.004 χ^2/NDF : 1310528.8/26

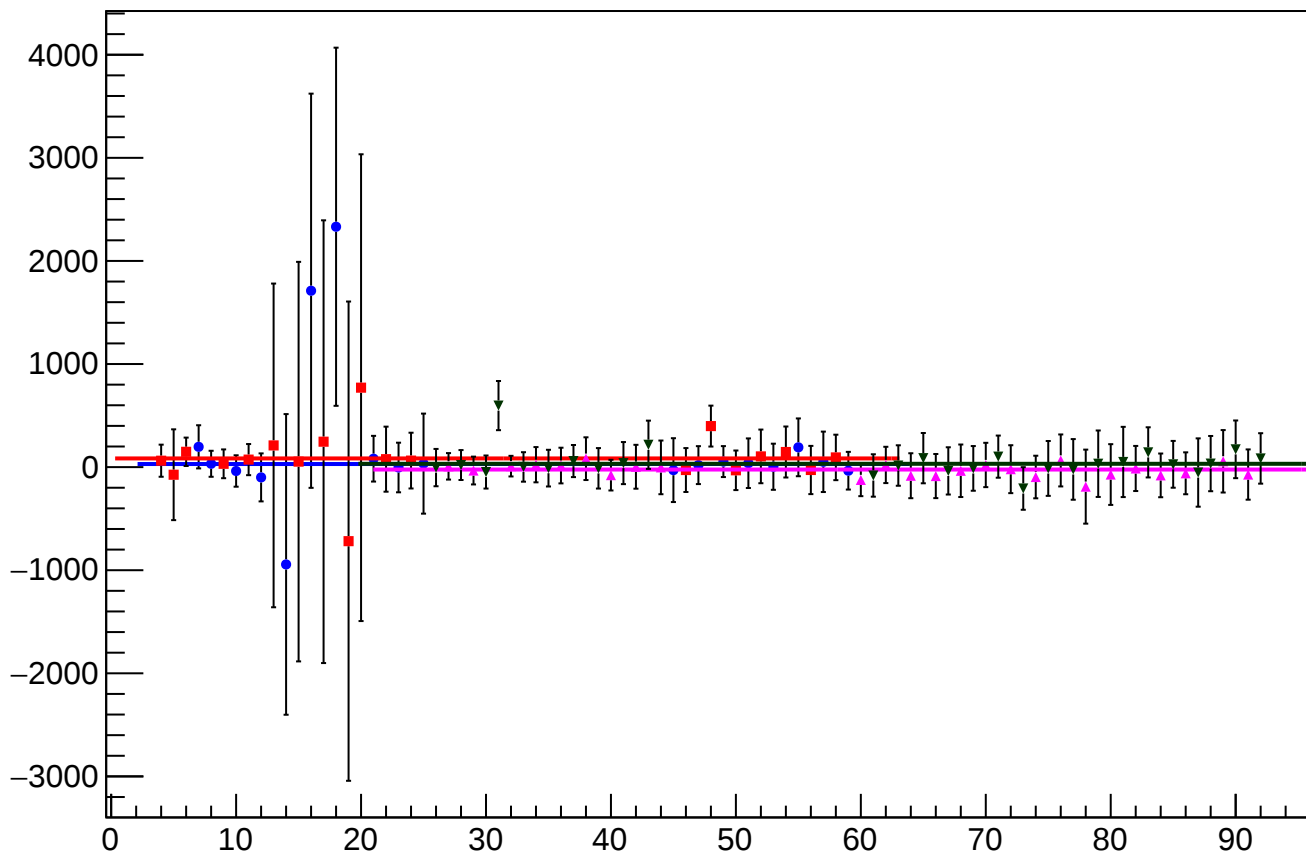
Right Out: 12.312+/-0.003 χ^2/NDF : 6373010.7/18

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

14.745+/-0.002 χ^2/NDF : 7618622.8/44

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: 32.228+/-40.447 χ^2/NDF : 9.3/26

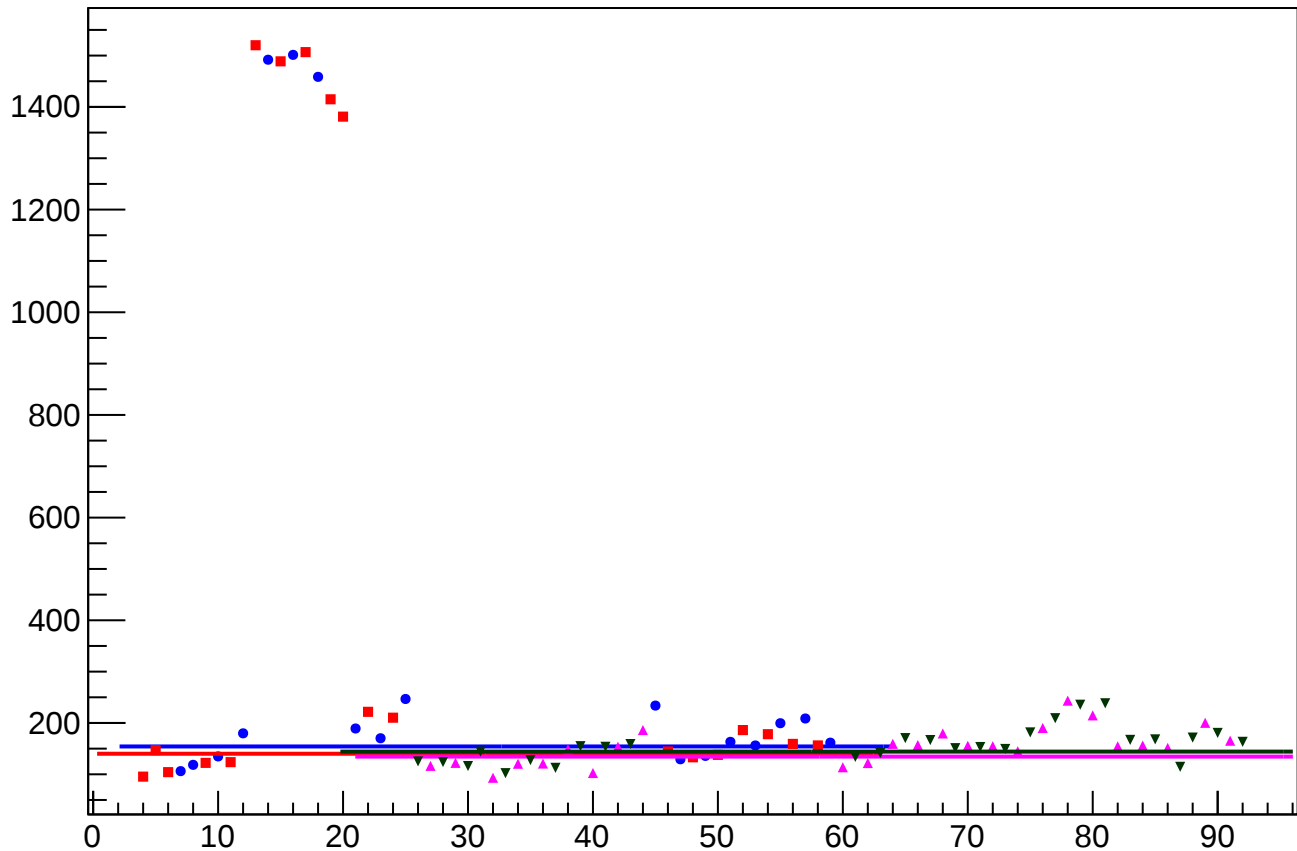
Right Out: 84.316+/-52.424 χ^2/NDF : 4.2/18

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

31.398+/-31.988 χ^2/NDF : 14.0/44

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: 144.210+/-0.029 χ^2/NDF :1040914.6/26

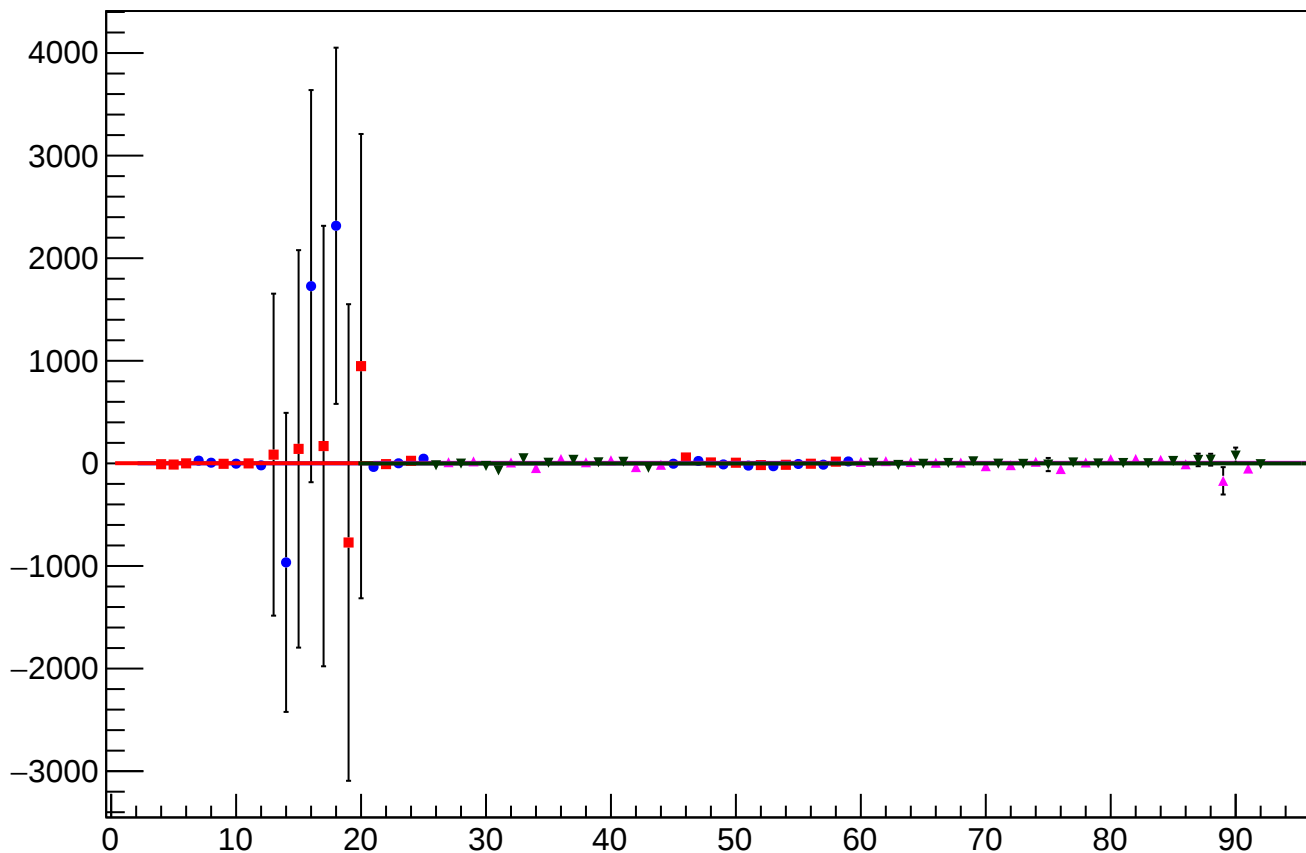
Right Out: 140.050+/-0.037 χ^2/NDF : 5289912.8/18

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

147.965+/-0.023 χ^2/NDF : 5671785.0/44

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

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: -0.115 ± 4.899 $\chi^2/\text{NDF}: 21.4/26$

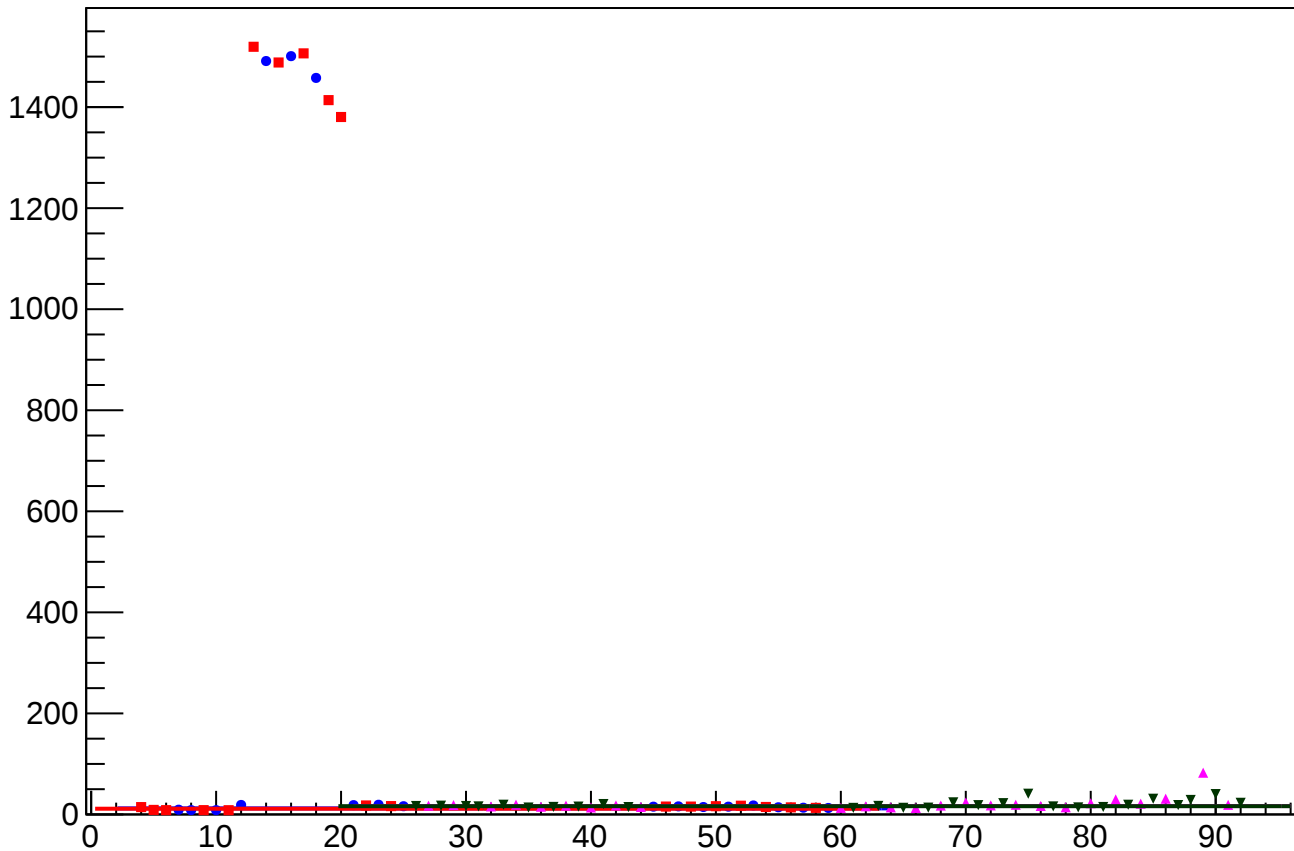
Right Out: 1.782 ± 4.470 $\chi^2/\text{NDF}: 10.1/18$

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

0.316 ± 3.238 $\chi^2/\text{NDF}: 37.4/44$

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 $\pm$ 0.003 χ^2 /NDF: 6061463.6/17

Left Out: 16.401 $\pm$ 0.003 χ^2 /NDF: 1329094.9/26

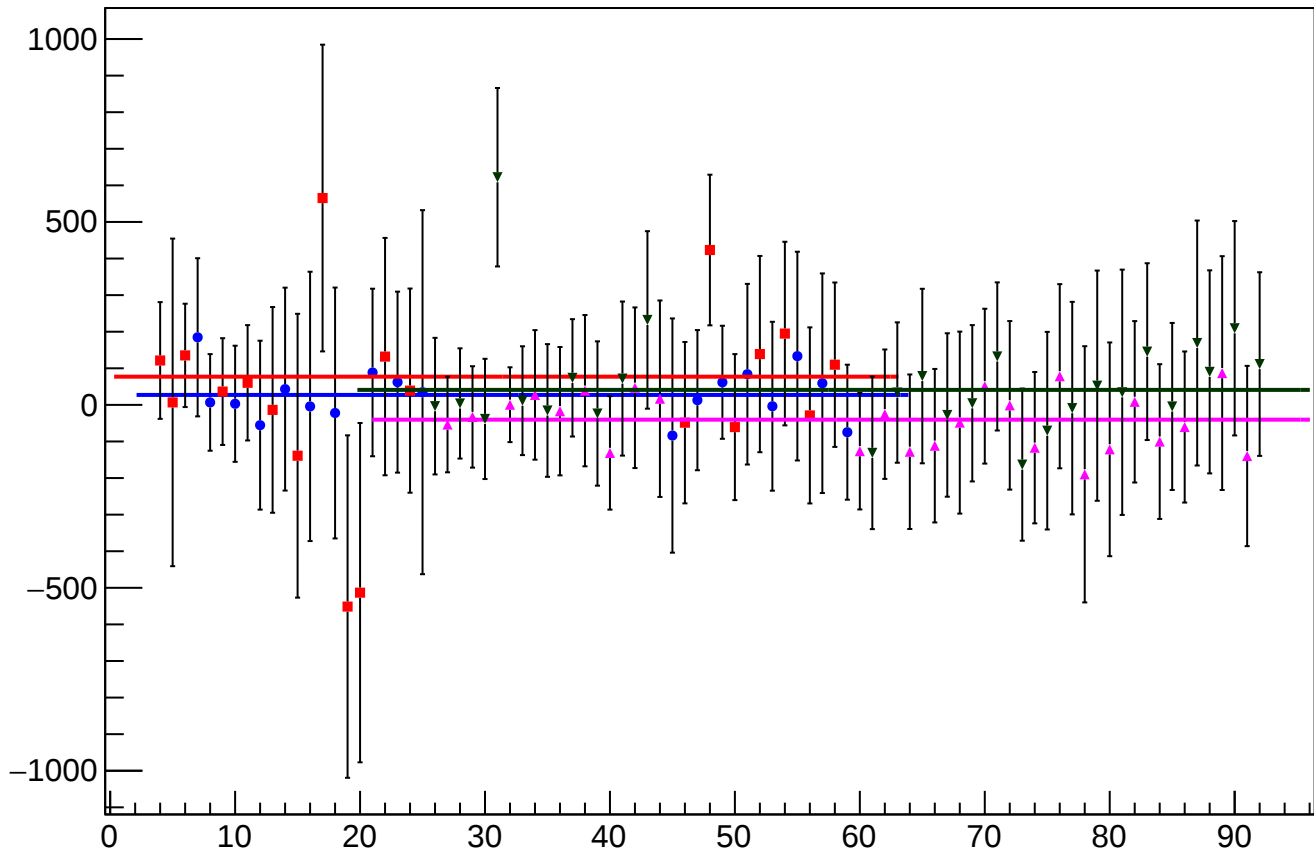
Right Out: 11.361 $\pm$ 0.003 χ^2 /NDF: 6645877.2/18

Left In: 16.639 $\pm$ 0.003 χ^2 /NDF: 1352846.7/24

13.930 $\pm$ 0.002 χ^2 /NDF: 8293817.9/44

13.766 $\pm$ 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: 41.014+/-41.034 χ^2/NDF :10.0/26

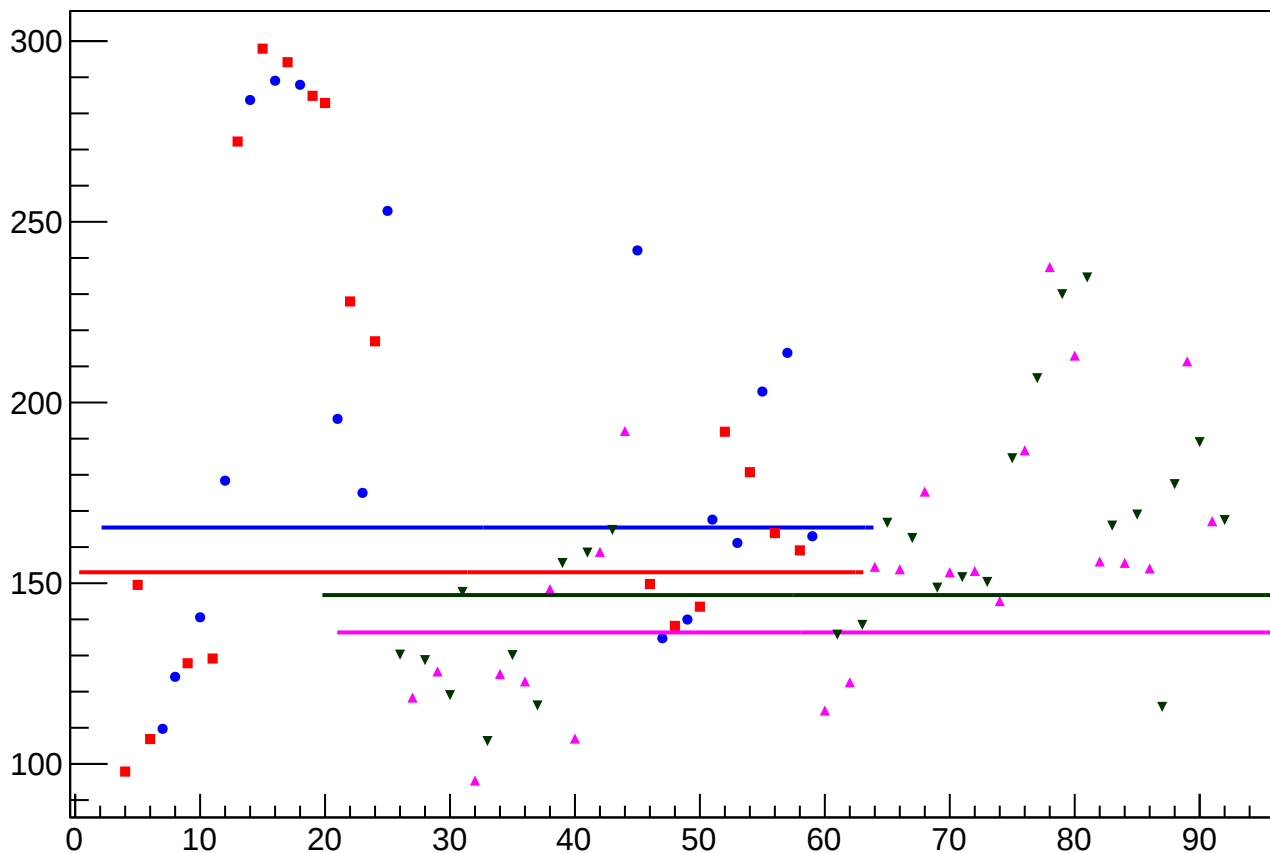
Right Out: 77.113+/-51.687 χ^2/NDF : 9.7/18

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

35.699+/-32.169 χ^2/NDF : 11.5/44

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: 146.722 $\pm$ 0.029 χ^2/NDF : 925198.0/26

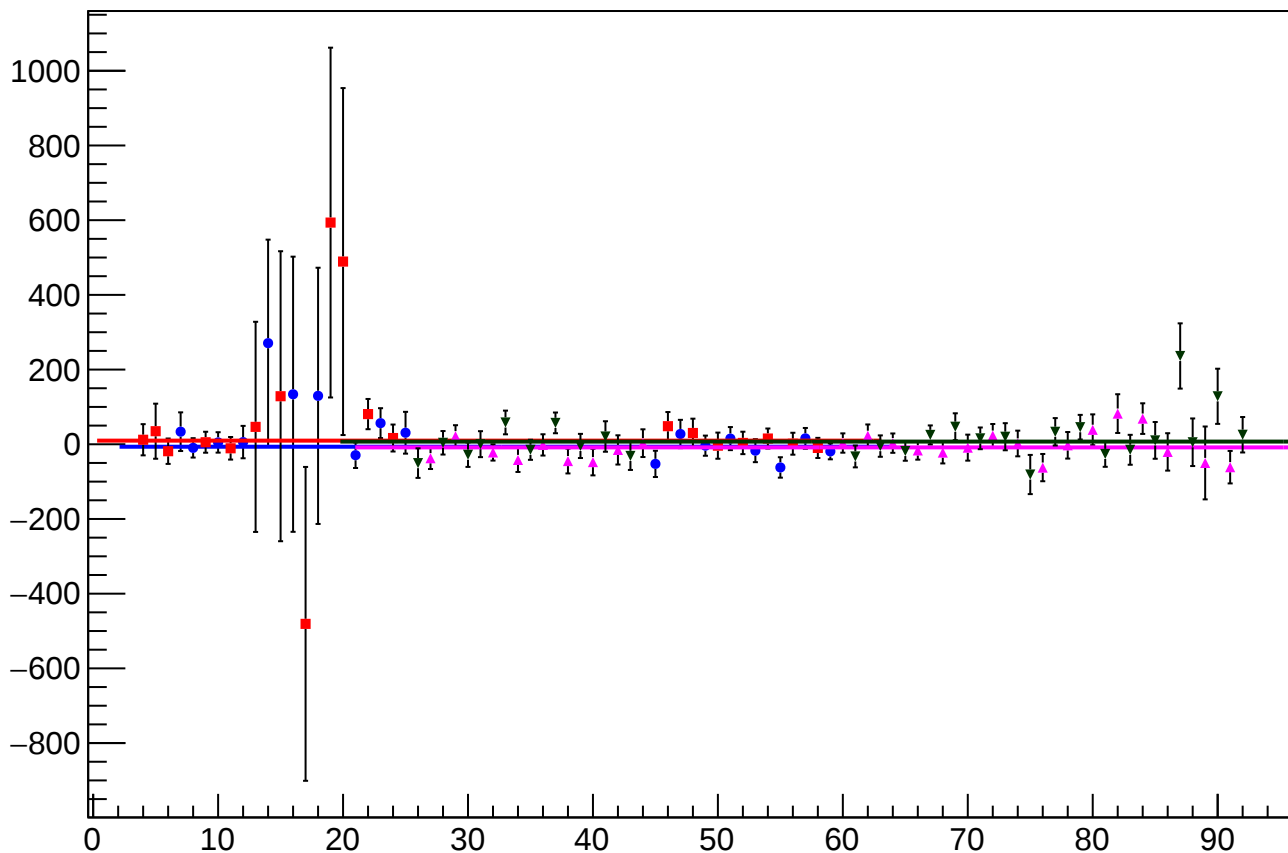
153.928 $\pm$ 0.023 χ^2/NDF : 2721639.3/44

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: 7.212+/-6.683 χ^2/NDF : 31.7/26

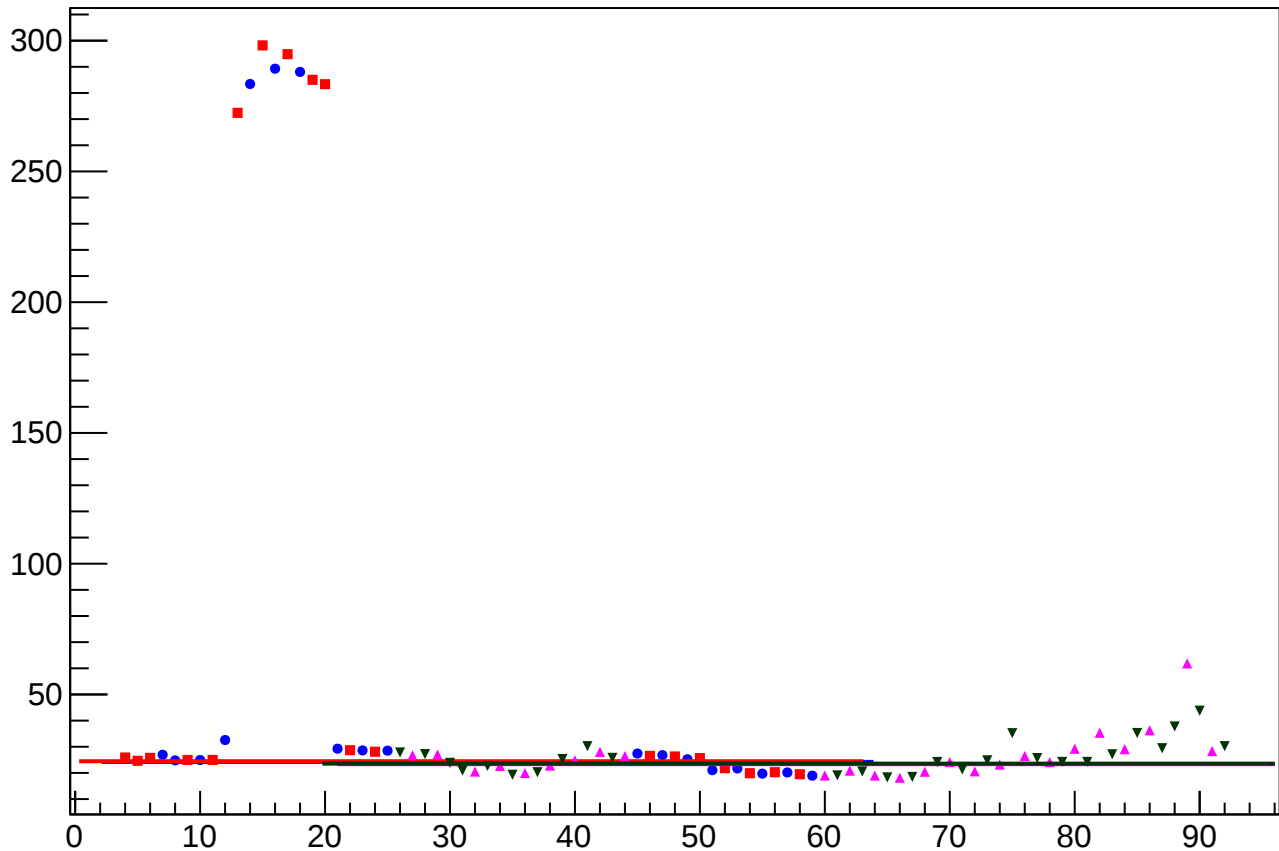
Right Out: 9.755+/-8.898 χ^2/NDF : 10.7/18

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

1.602+/-5.146 χ^2/NDF : 47.2/44

-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 $\pm$ 0.006 χ^2 /NDF: 4413051.2/17

Left Out: 23.553 $\pm$ 0.005 χ^2 /NDF:986961.4/26

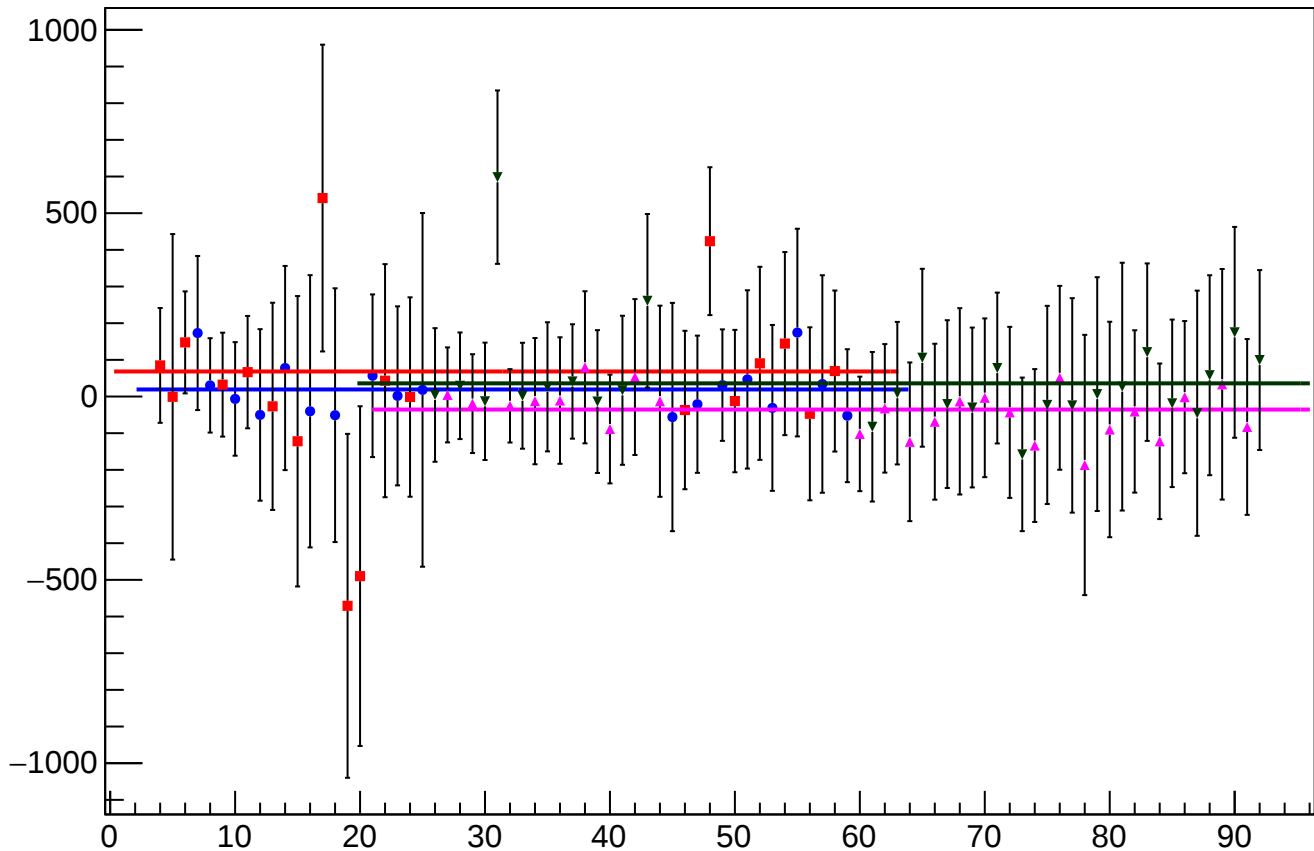
Right Out: 24.466 $\pm$ 0.006 χ^2 /NDF: 4859985.2/18

Left In: 23.338 $\pm$ 0.005 χ^2 /NDF:1093576.9/24

23.827 $\pm$ 0.004 χ^2 /NDF: 5408262.1/44

23.733 $\pm$ 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: 35.910+/-40.507 χ^2/NDF : 9.0/26

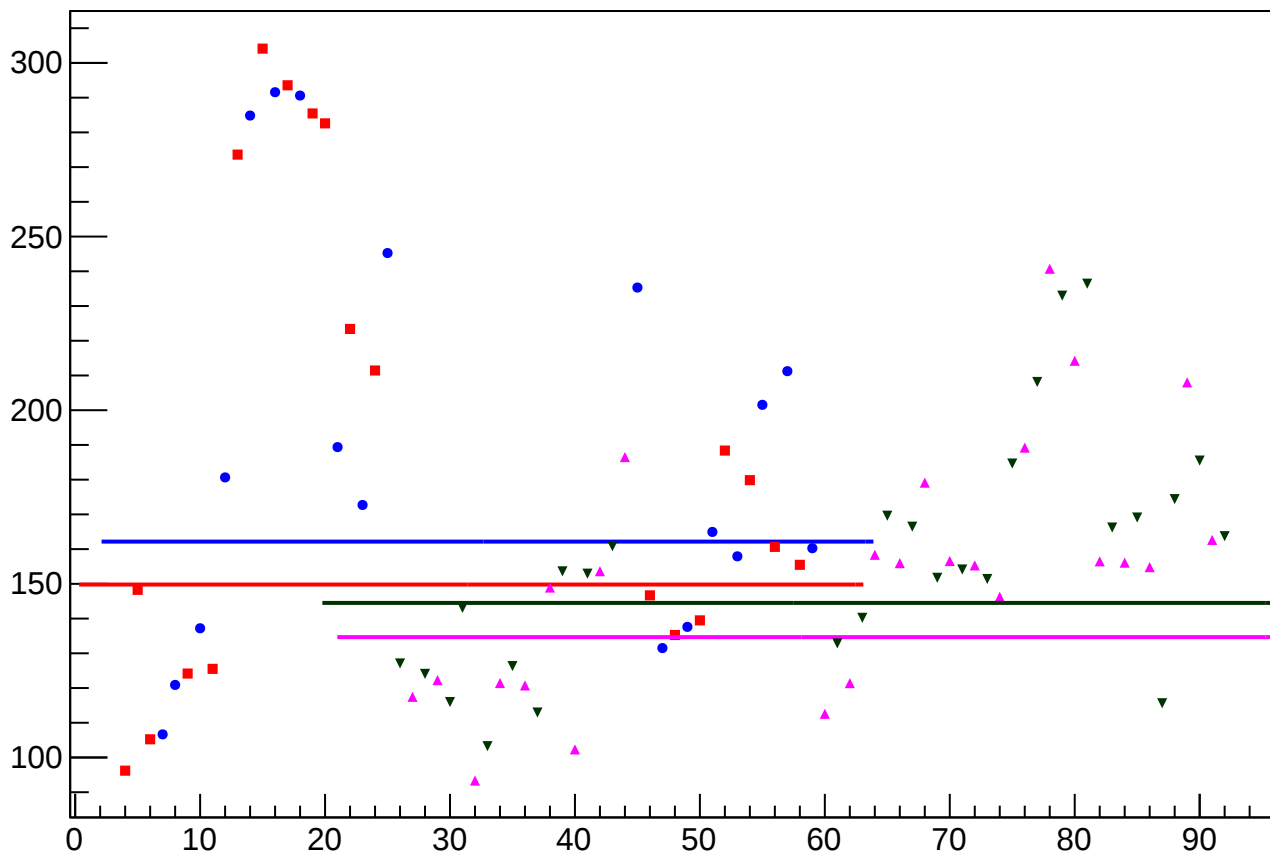
Right Out: 68.308+/-50.710 χ^2/NDF : 9.3/18

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

29.458+/-31.698 χ^2/NDF : 10.5/44

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 ± 0.036 χ^2/NDF : 1720612.8/17

Left Out: 144.510 ± 0.029 χ^2/NDF : 1033200.4/26

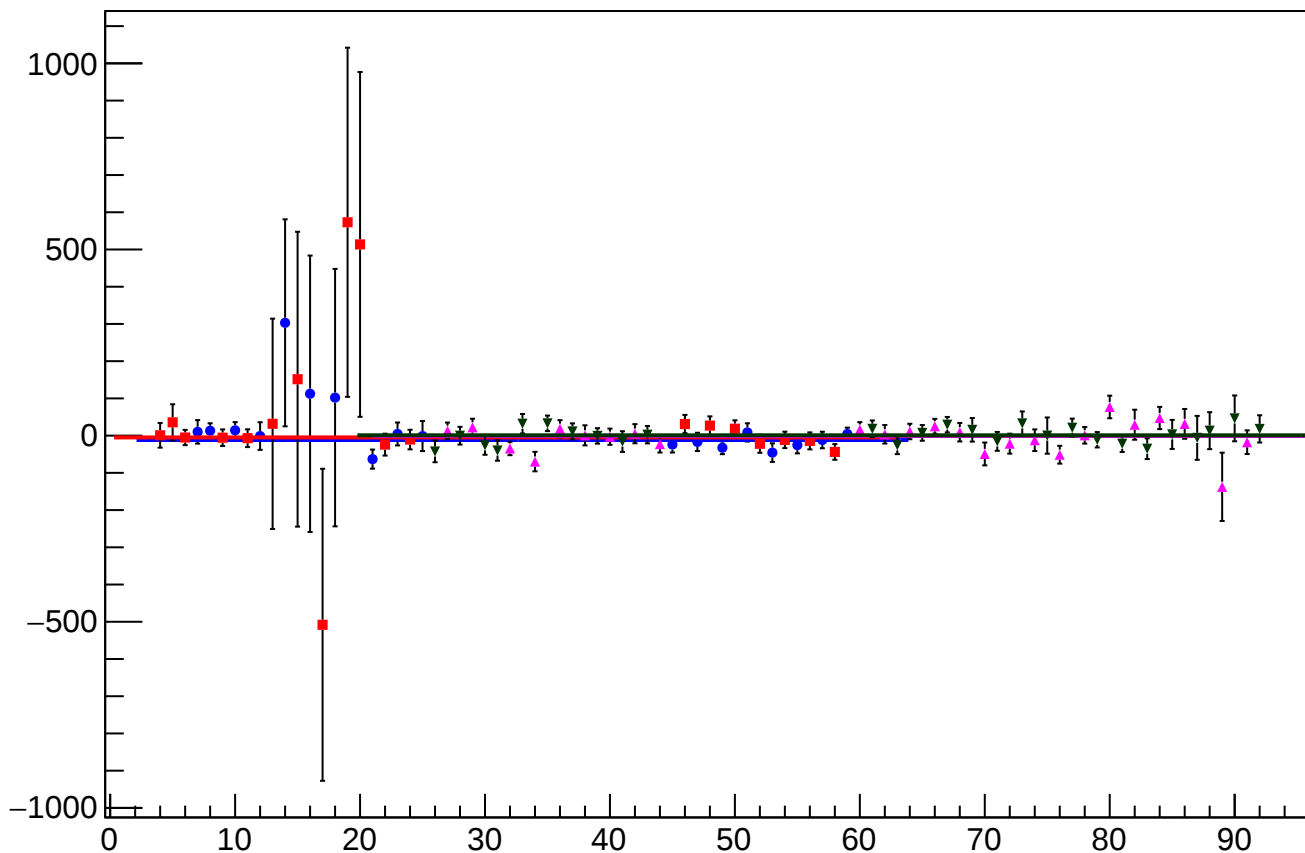
Right Out: 149.803 ± 0.036 χ^2/NDF : 2114602.4/18

Left In: 134.658 ± 0.027 χ^2/NDF : 1431261.3/24

151.354 ± 0.022 χ^2/NDF : 2901100.8/44

140.010 ± 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: 0.885 $\pm$ 5.058 χ^2 /NDF: 20.0/26

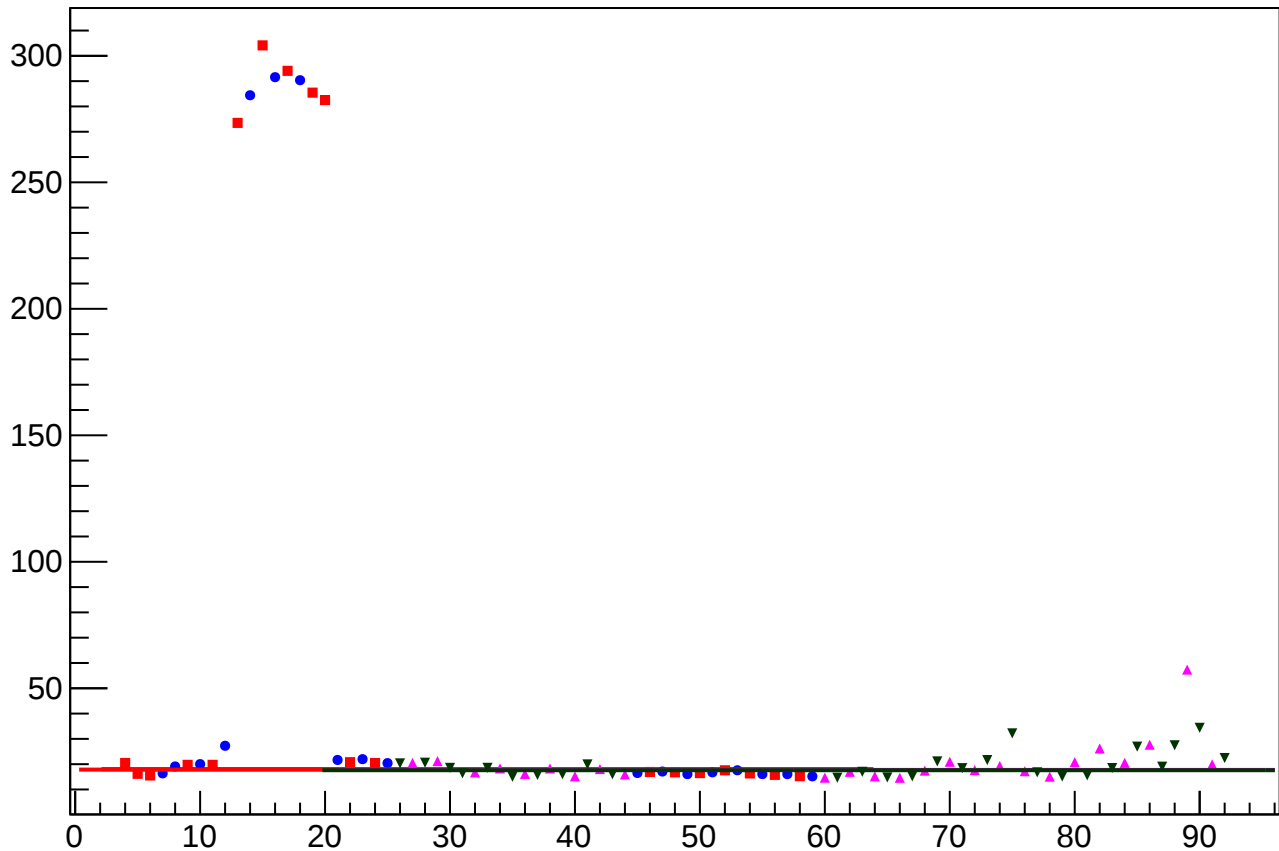
Right Out: -4.846 $\pm$ 6.550 χ^2 /NDF: 14.7/18

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

-4.313 $\pm$ 3.877 χ^2 /NDF: 37.5/44

-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: 17.616 $\pm$ 0.004 χ^2 /NDF: 900209.2/26

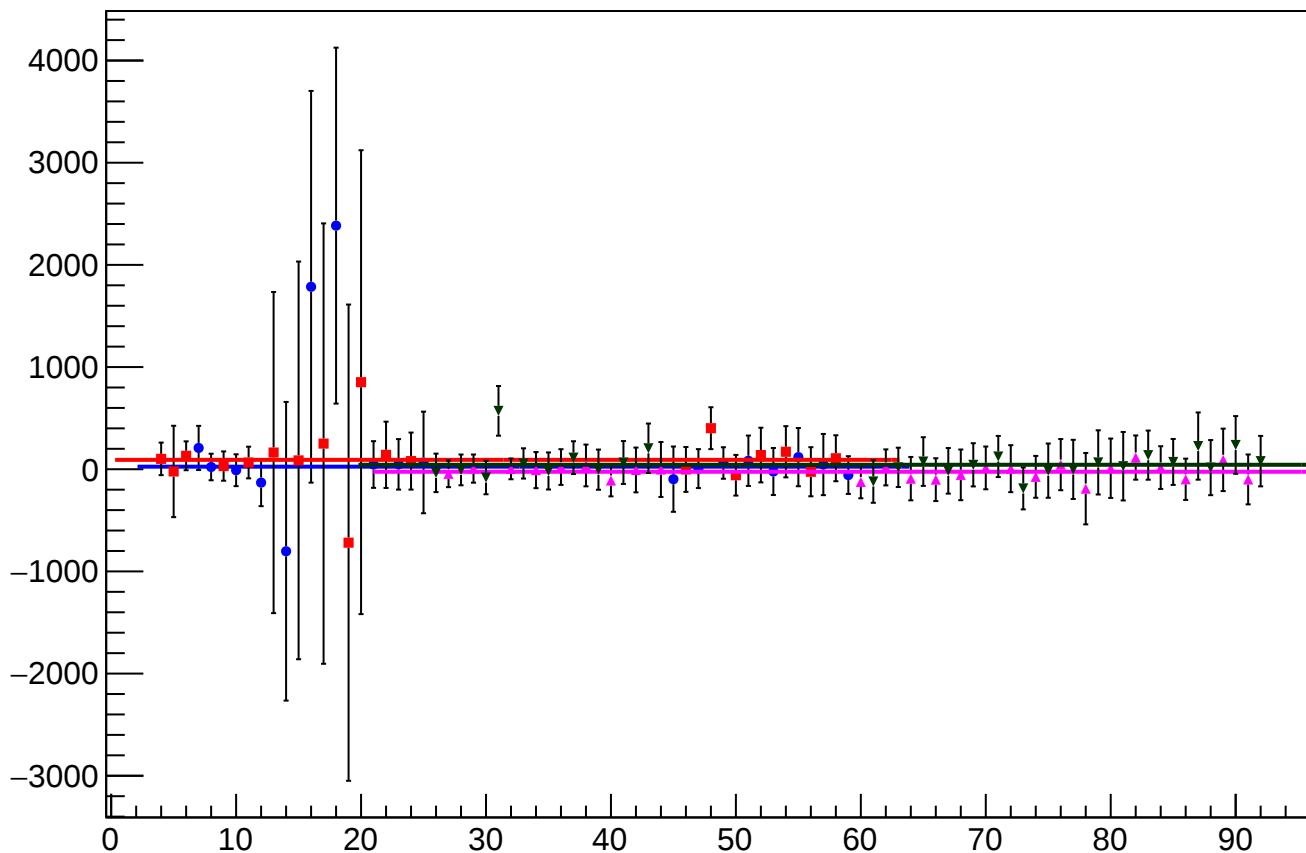
17.769 $\pm$ 0.003 χ^2 /NDF: 5429875.4/44

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: 43.670+/-40.834 χ^2/NDF : 9.6/26

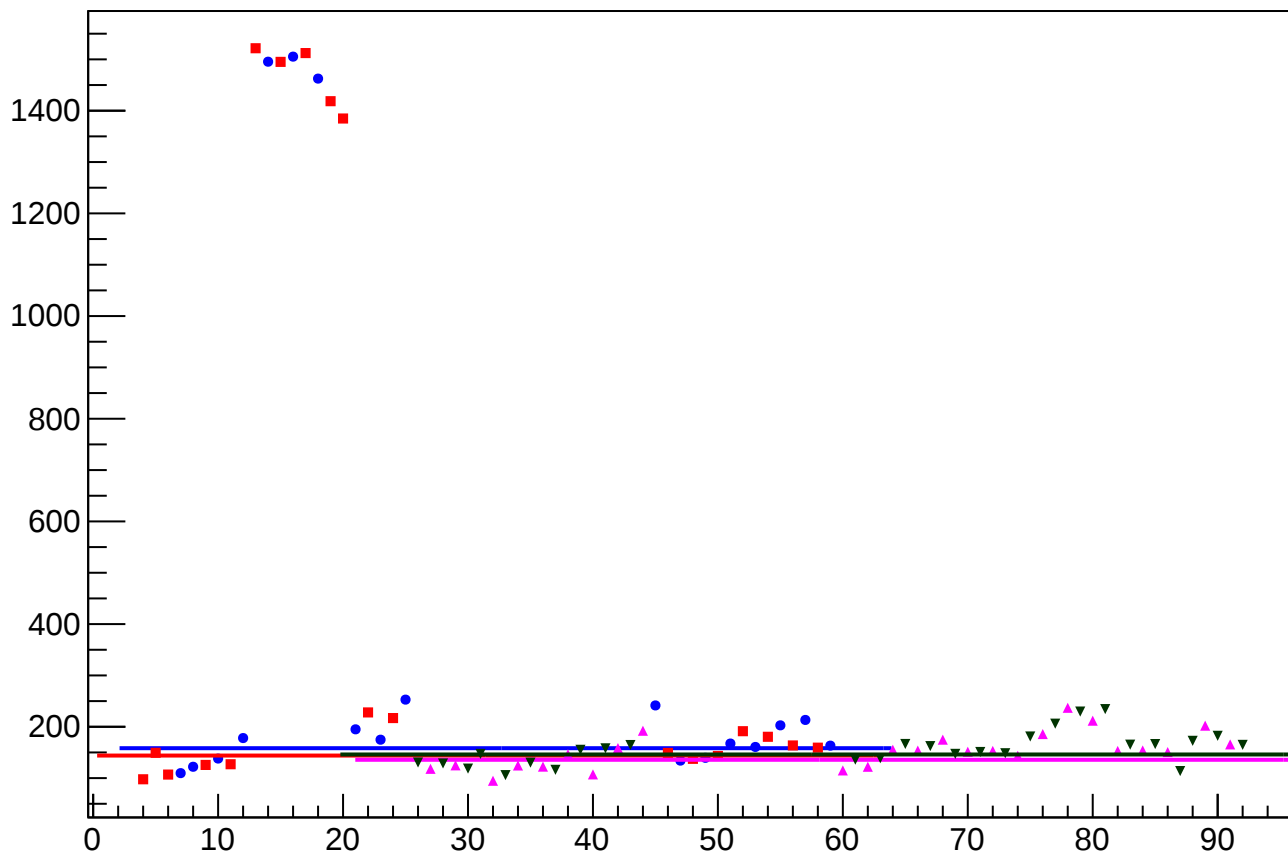
Right Out: 91.771+/-53.823 χ^2/NDF : 4.0/18

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

36.846+/-32.468 χ^2/NDF : 14.6/44

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+/-0.038 χ^2/NDF : 4538983.8/17

Left Out: 146.025+/-0.029 χ^2/NDF : 900775.4/26

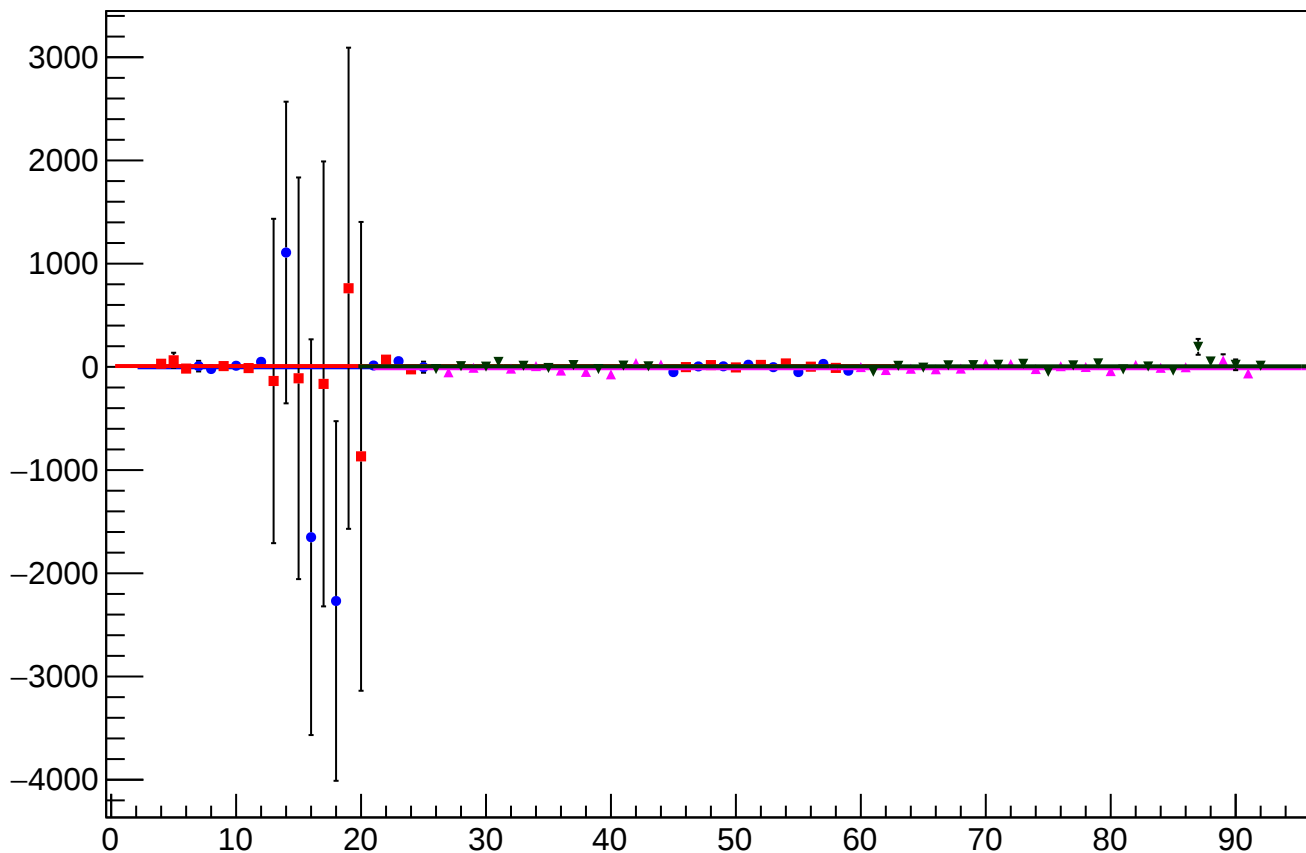
Right Out: 143.939+/-0.038 χ^2/NDF : 5267987.5/18

Left In: 135.686+/-0.027 χ^2/NDF : 1276255.7/24

150.530+/-0.023 χ^2/NDF : 5505978.1/44

138.402+/-0.022 χ^2/NDF : 6575791.3/43

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: 5.309+/-6.159 χ^2/NDF : 20.6/26

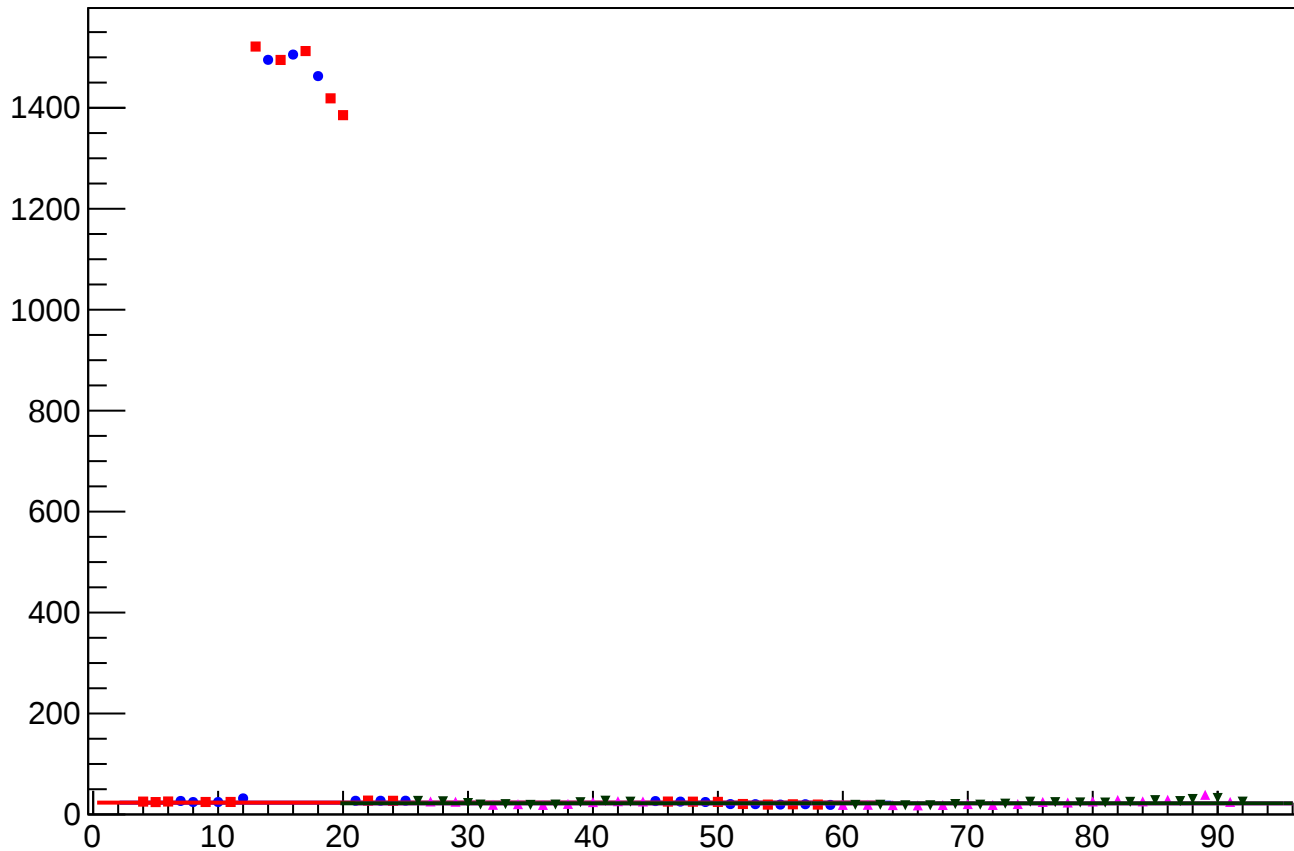
Right Out: 7.973+/-8.718 χ^2/NDF : 7.3/18

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

1.750+/-4.851 χ^2/NDF : 39.0/44

-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: 22.138+/-0.004 χ^2/NDF : 628760.3/26

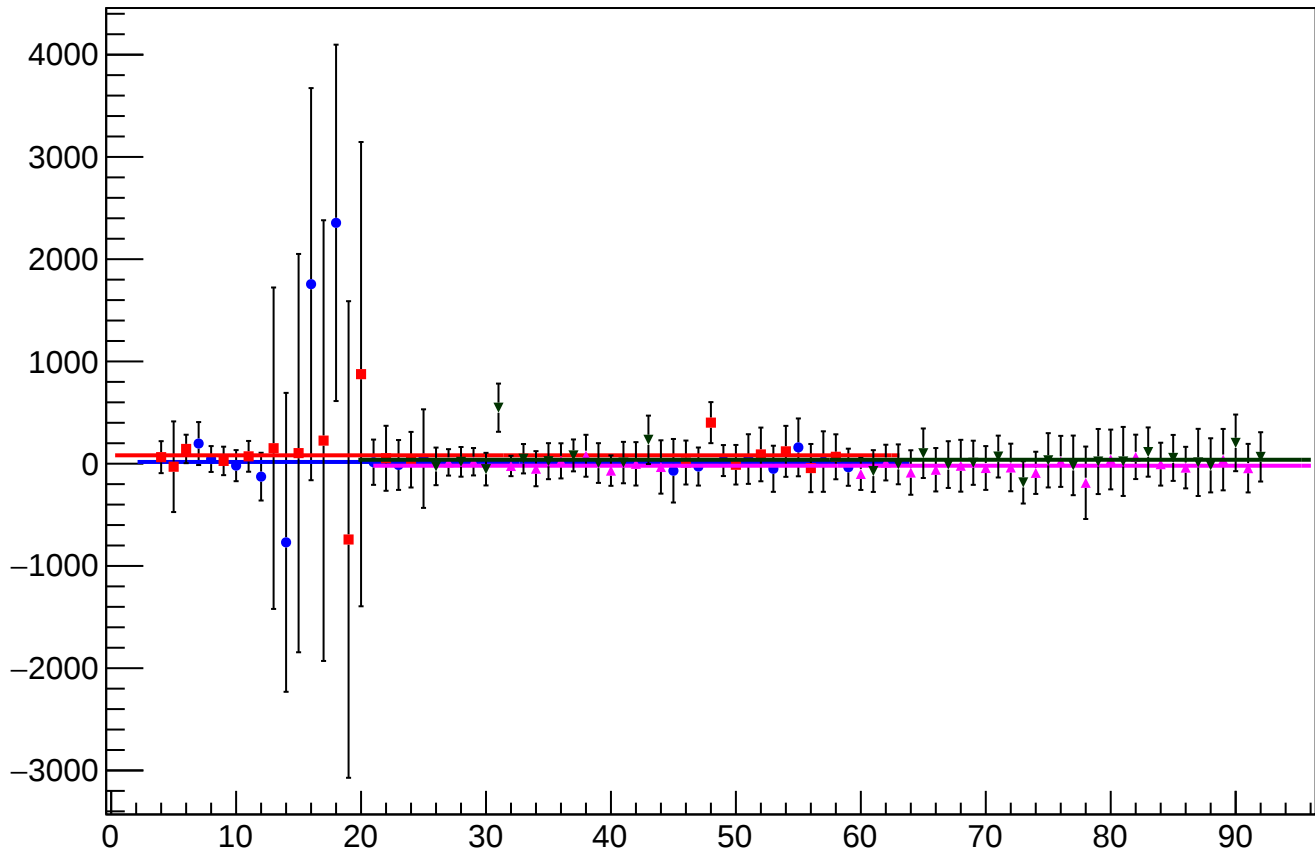
Right Out: 23.445+/-0.006 χ^2/NDF : 5561556.7/18

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

22.592+/-0.003 χ^2/NDF : 5622734.7/44

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: 38.431+/-40.305 χ^2/NDF : 8.2/26

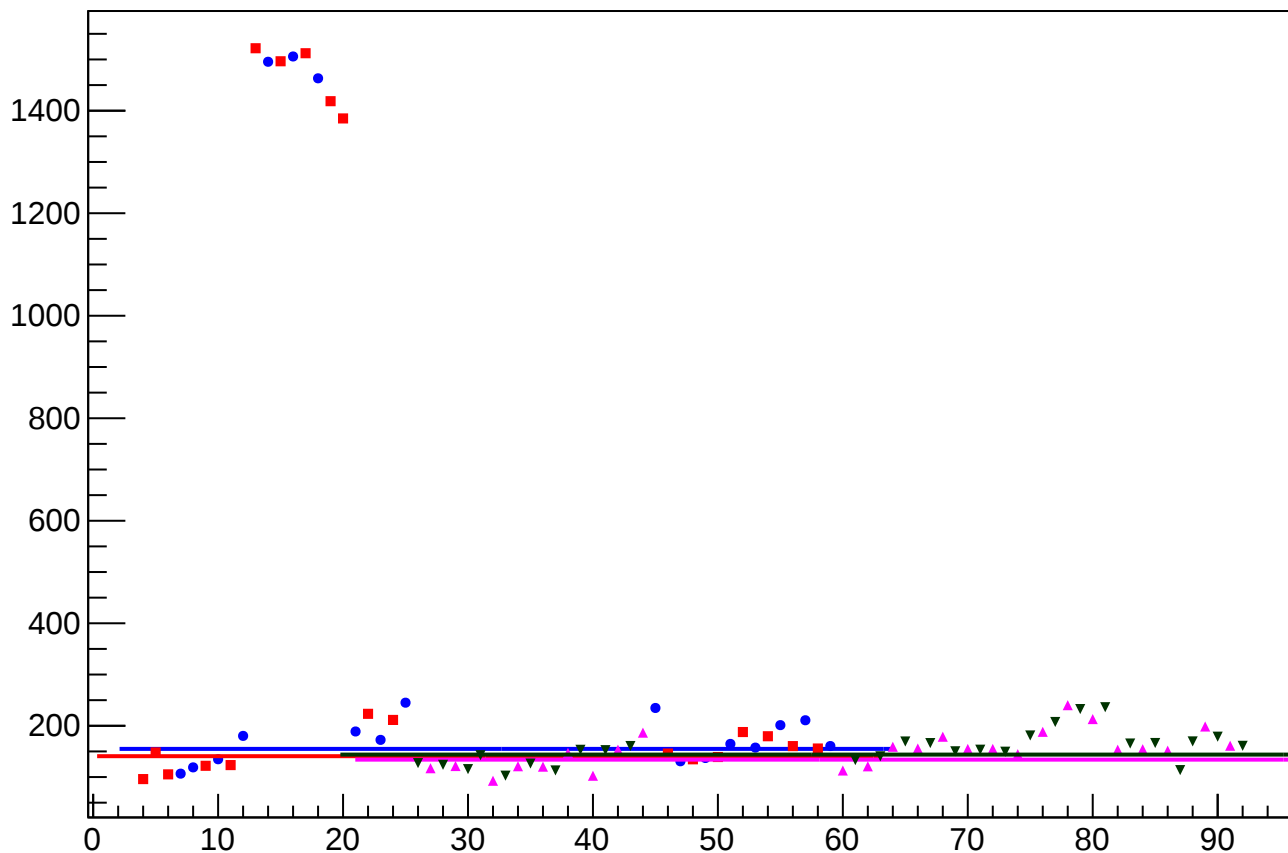
Right Out: 81.906+/-52.666 χ^2/NDF : 3.9/18

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

30.458+/-31.968 χ^2/NDF : 13.0/44

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: 143.815+/-0.029 χ^2/NDF :1007289.2/26

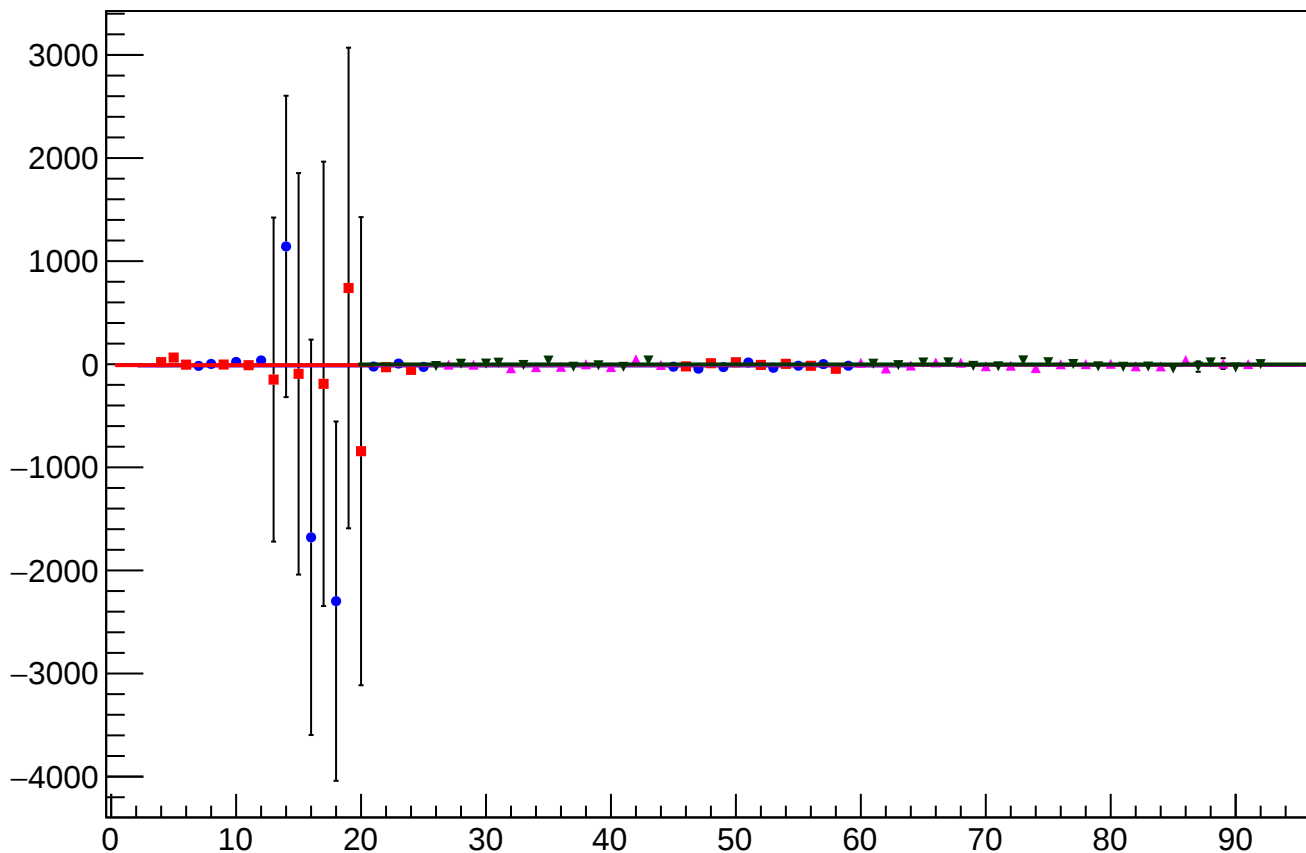
Right Out: 140.710+/-0.037 χ^2/NDF : 5291988.7/18

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

147.945+/-0.023 χ^2/NDF : 5644476.6/44

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: -2.183 $\pm$ 4.576 χ^2 /NDF: 21.2/26

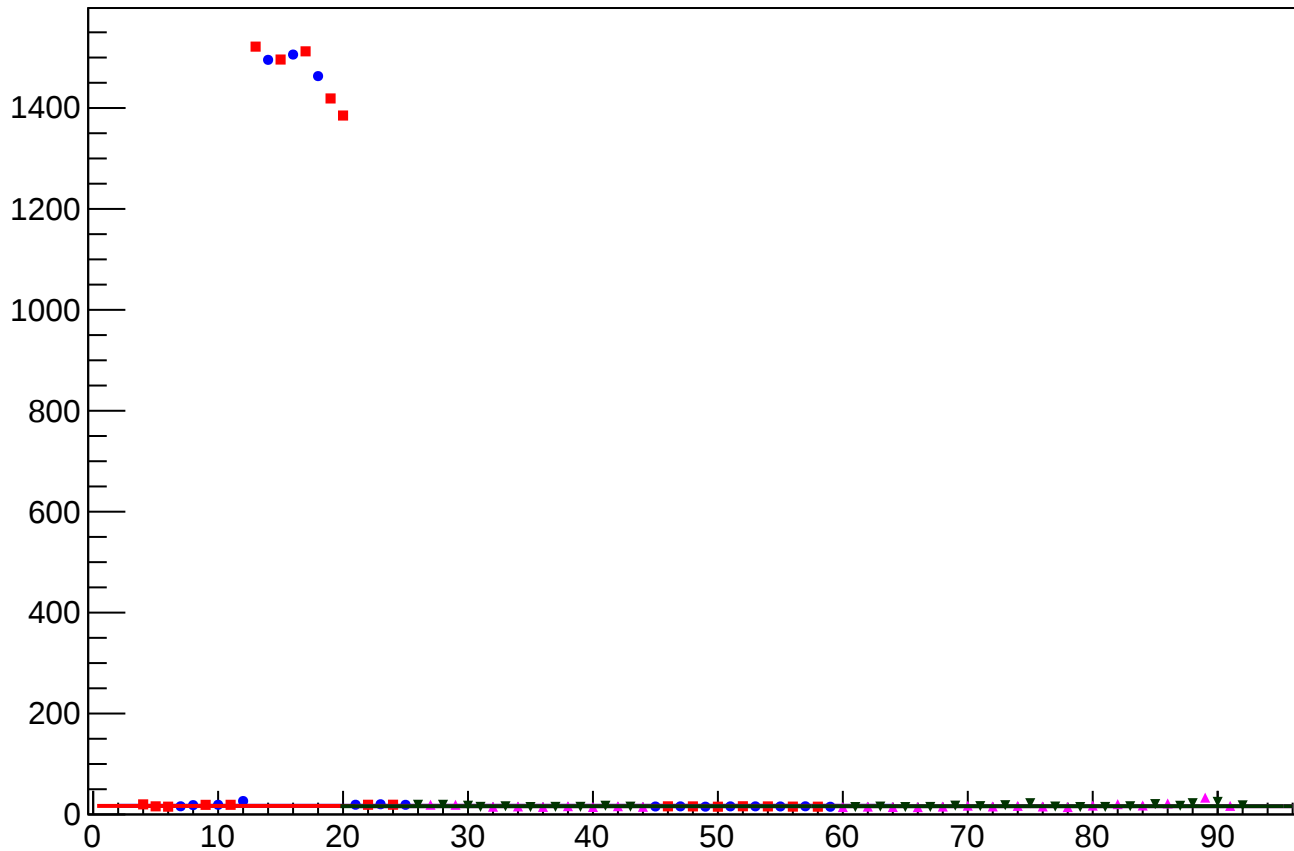
Right Out: -8.864 $\pm$ 6.293 χ^2 /NDF: 13.3/18

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

-5.713 $\pm$ 3.586 χ^2 /NDF: 37.8/44

-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: 16.410+/-0.003 χ^2/NDF : 431181.5/26

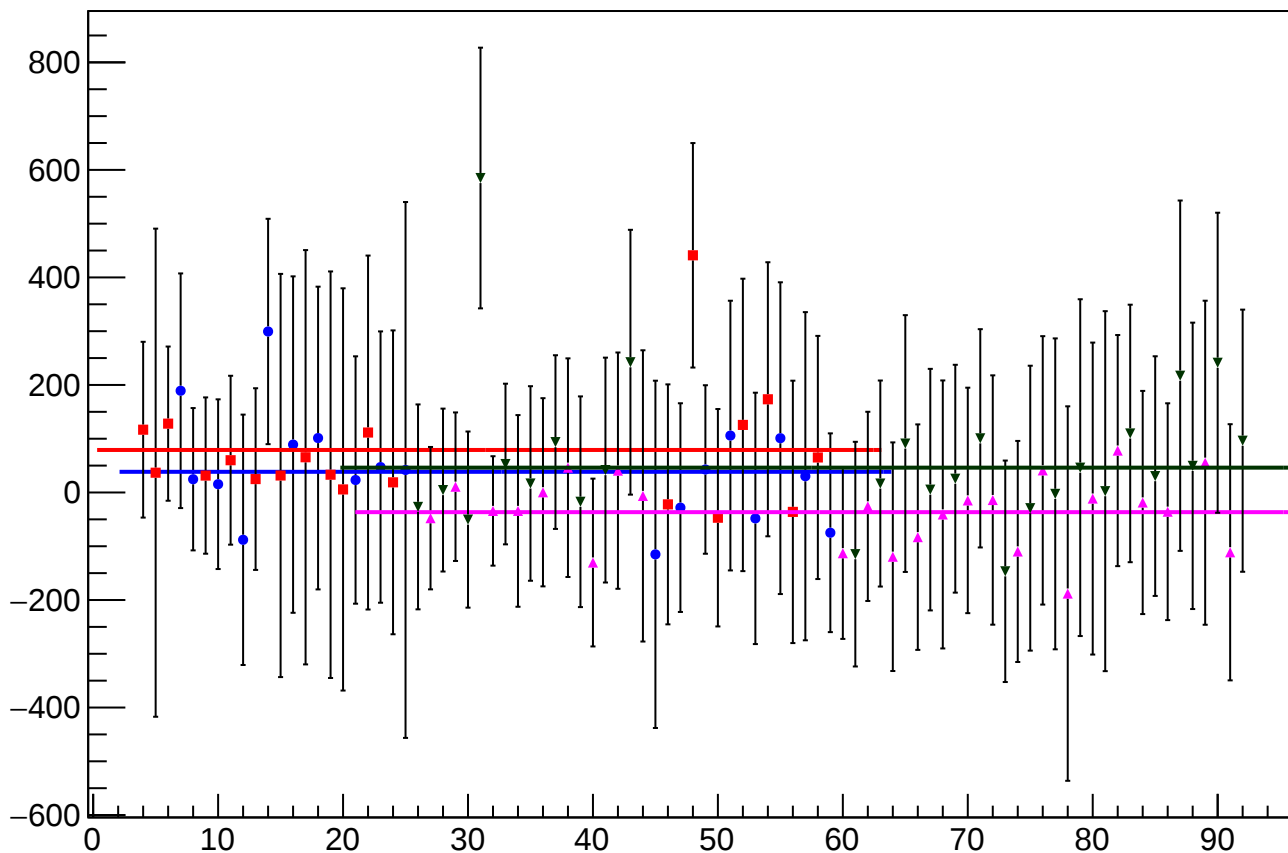
Right Out: 16.920+/-0.004 χ^2/NDF : 5539958.1/18

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

16.674+/-0.003 χ^2/NDF : 5370463.7/44

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: 46.188+/-40.888 χ^2/NDF : 9.0/26

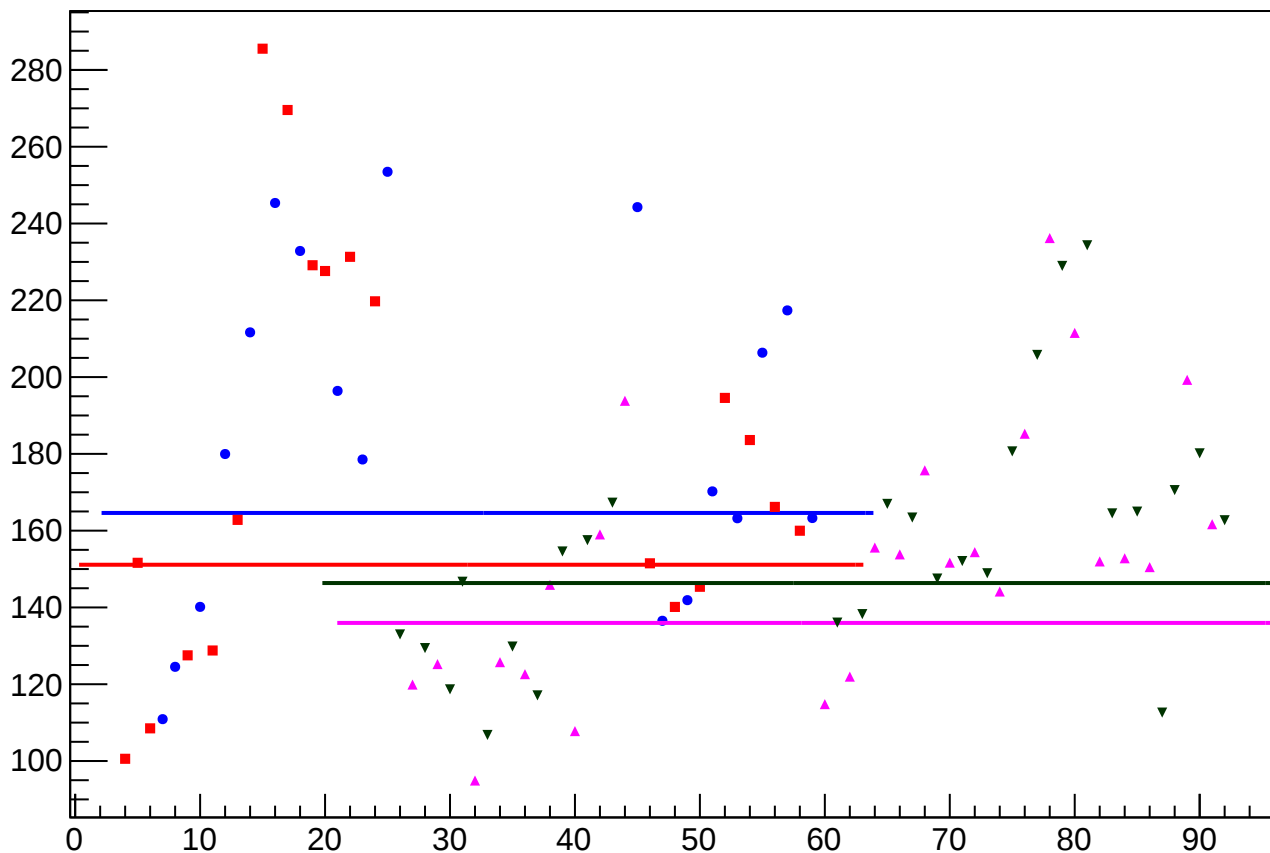
Right Out: 79.078+/-50.233 χ^2/NDF : 4.5/18

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

43.163+/-31.911 χ^2/NDF : 12.4/44

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: 146.357 $\pm$ 0.029 χ^2 /NDF: 872018.9/26

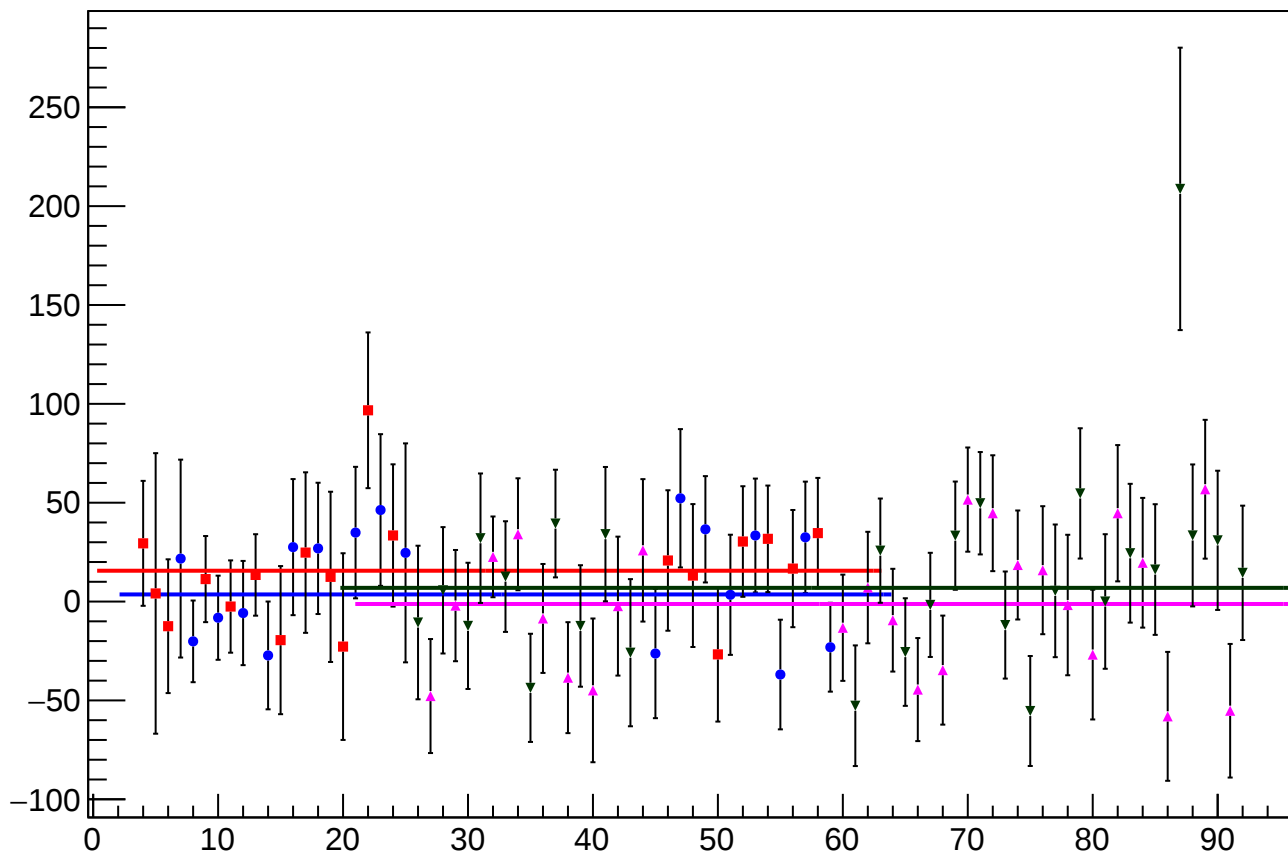
153.493 $\pm$ 0.023 χ^2 /NDF: 2156420.4/44

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

Left Out: 6.931 ± 5.976 $\chi^2/\text{NDF}: 34.4/26$

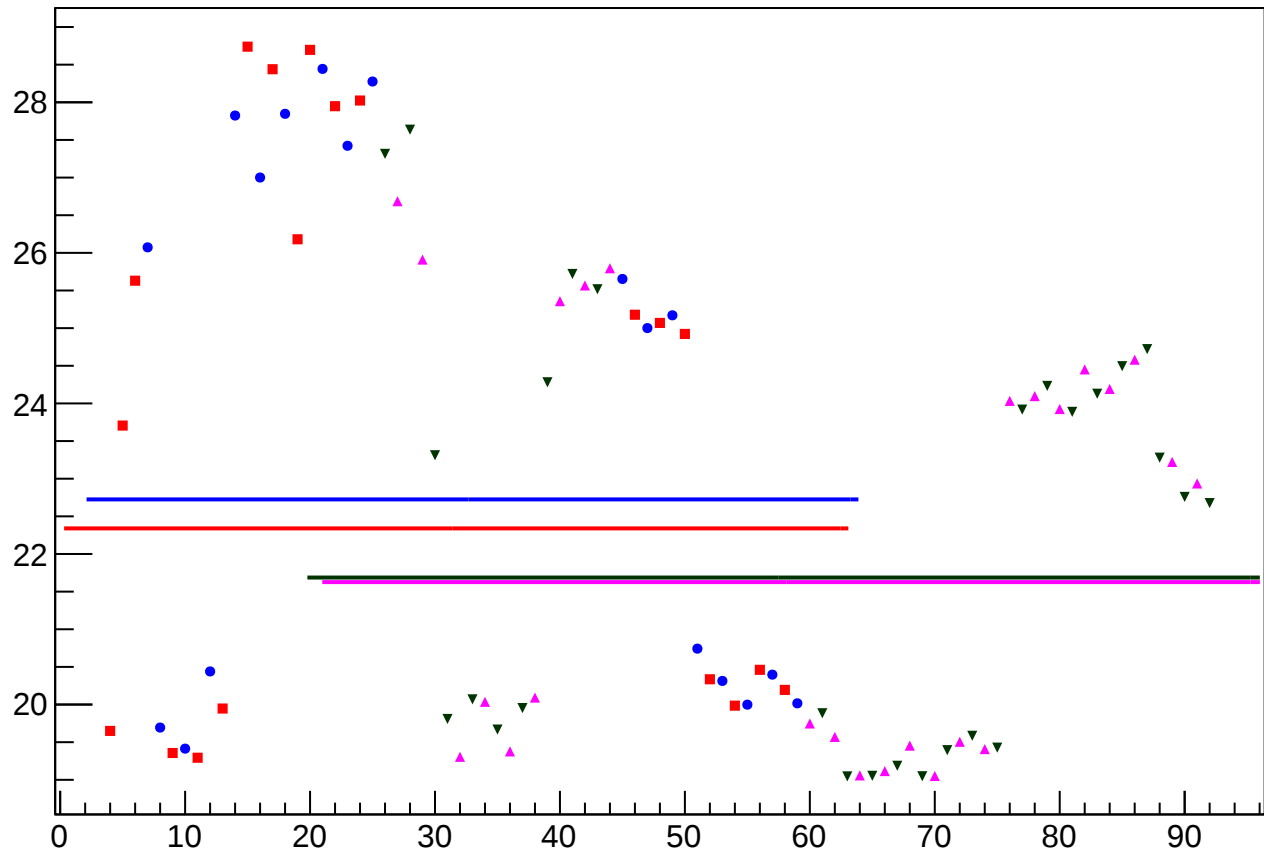
Right Out: 15.596 ± 7.143 $\chi^2/\text{NDF}: 10.3/18$

Left In: -1.229 ± 5.878 $\chi^2/\text{NDF}: 32.4/24$

5.492 ± 4.501 $\chi^2/\text{NDF}: 50.9/44$

5.565 ± 4.539 $\chi^2/\text{NDF}: 46.0/43$

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: 21.687+/-0.004 χ^2/NDF : 400079.9/26

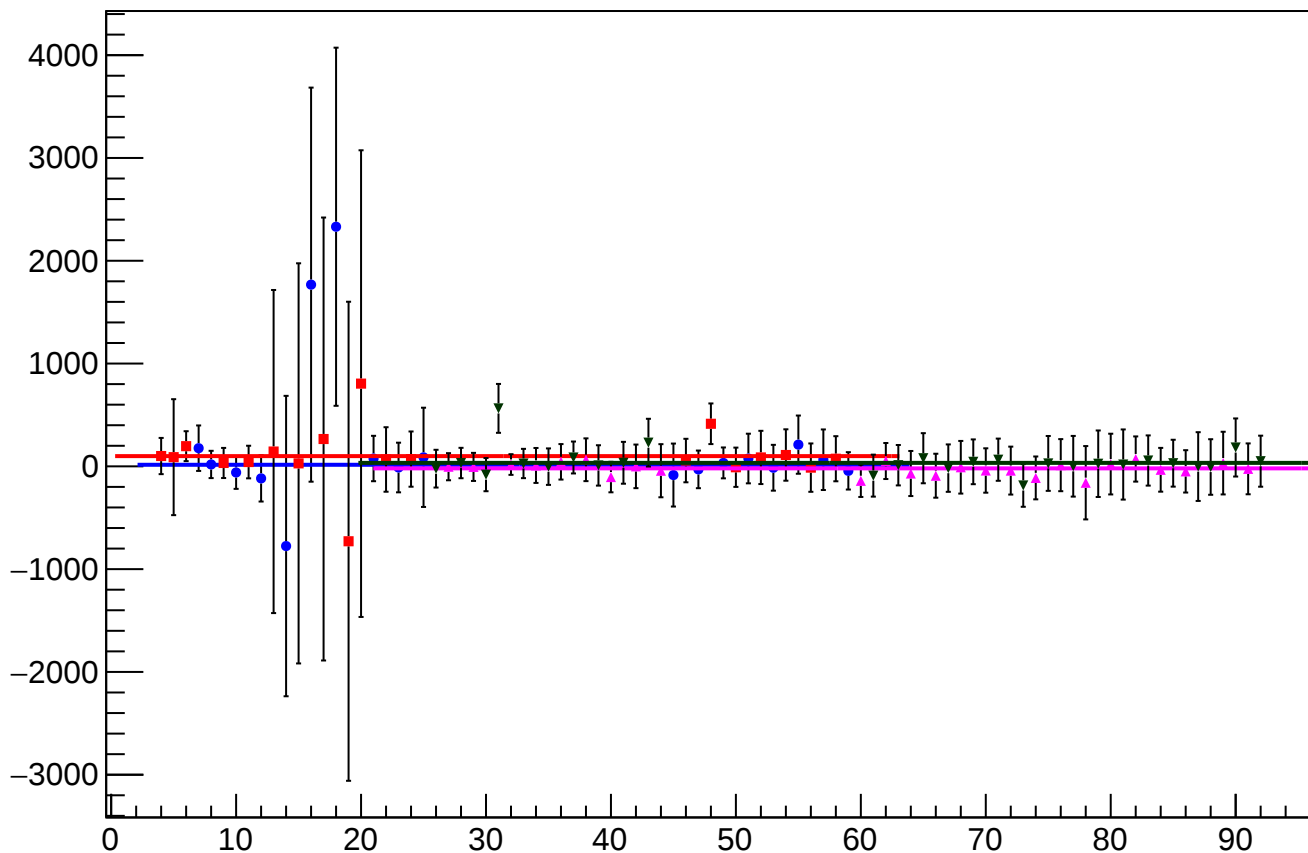
22.136+/-0.003 χ^2/NDF : 924964.2/44

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: 33.780+/-40.584 χ^2/NDF : 8.4/26

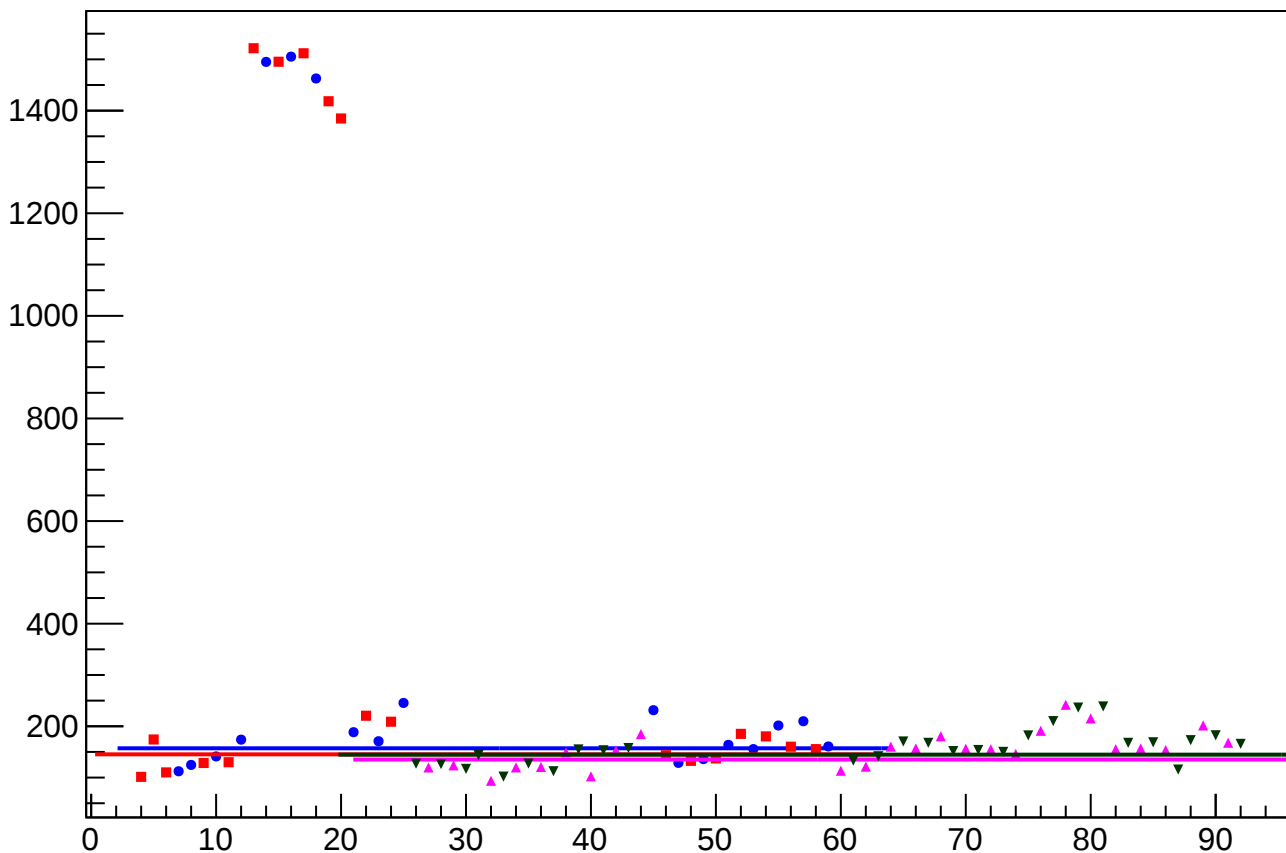
Right Out: 99.514+/-54.286 χ^2/NDF : 4.2/18

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

26.914+/-32.226 χ^2/NDF : 13.5/44

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 $\pm$ 0.037 χ^2 /NDF: 4456786.2/17

Left Out: 144.701 $\pm$ 0.029 χ^2 /NDF:1044533.1/26

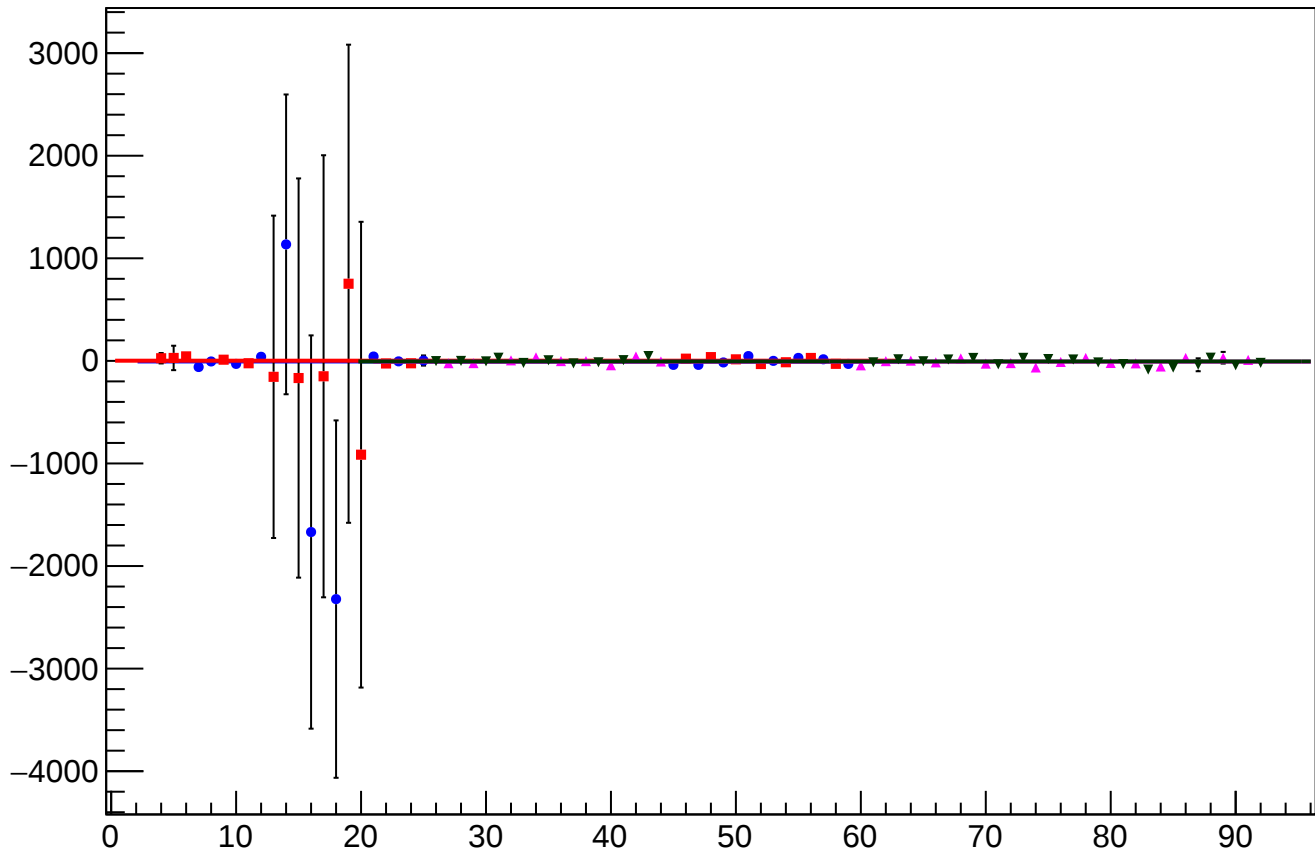
149.278 $\pm$ 0.023 χ^2 /NDF: 5570153.3/44

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

138.482 $\pm$ 0.022 χ^2 /NDF: 6583777.3/43

Left In: 135.206 $\pm$ 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: -5.542+/-5.891 χ^2/NDF : 23.7/26

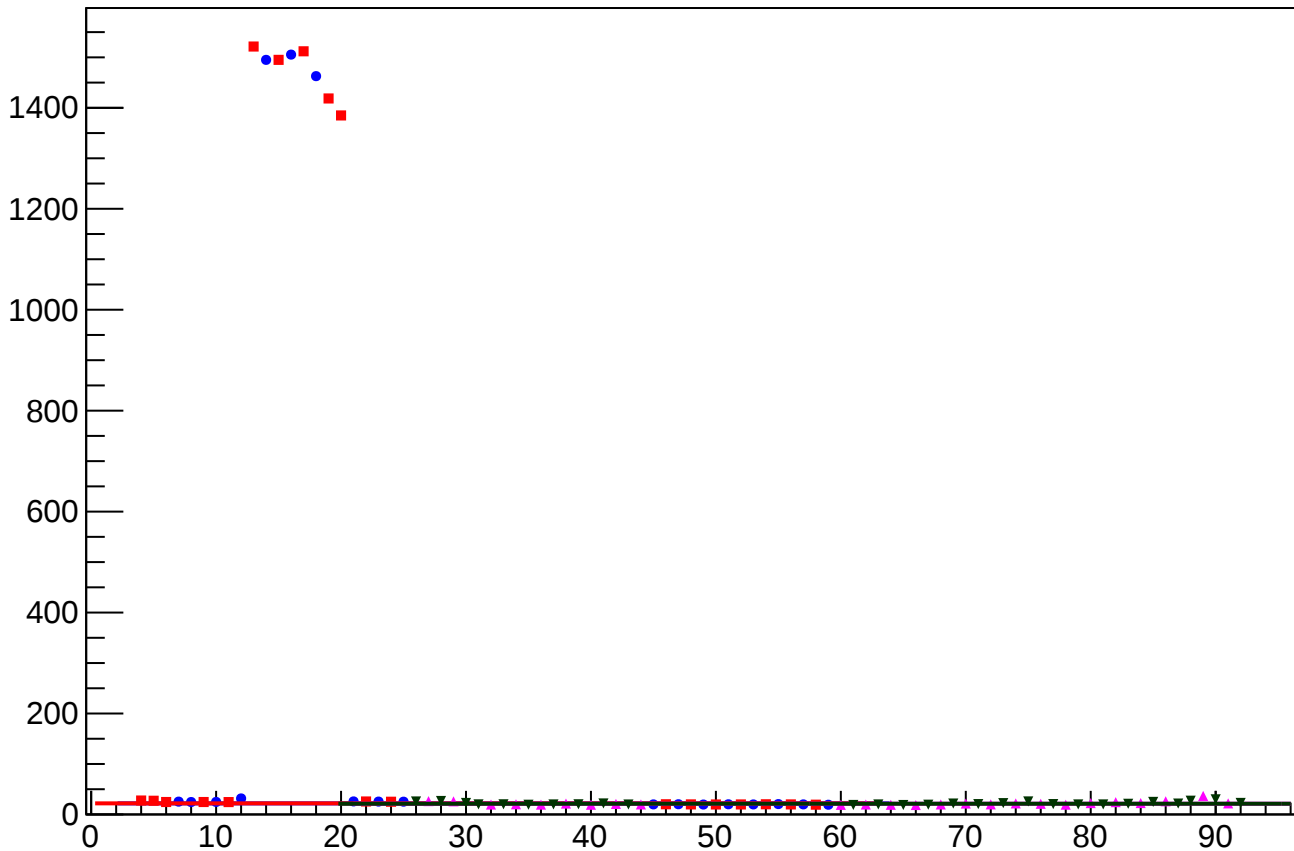
Right Out: 1.722+/-8.261 χ^2/NDF : 10.4/18

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

-5.589+/-4.607 χ^2/NDF : 42.4/44

-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: 21.263 $\pm$ 0.004 χ^2/NDF : 351929.6/26

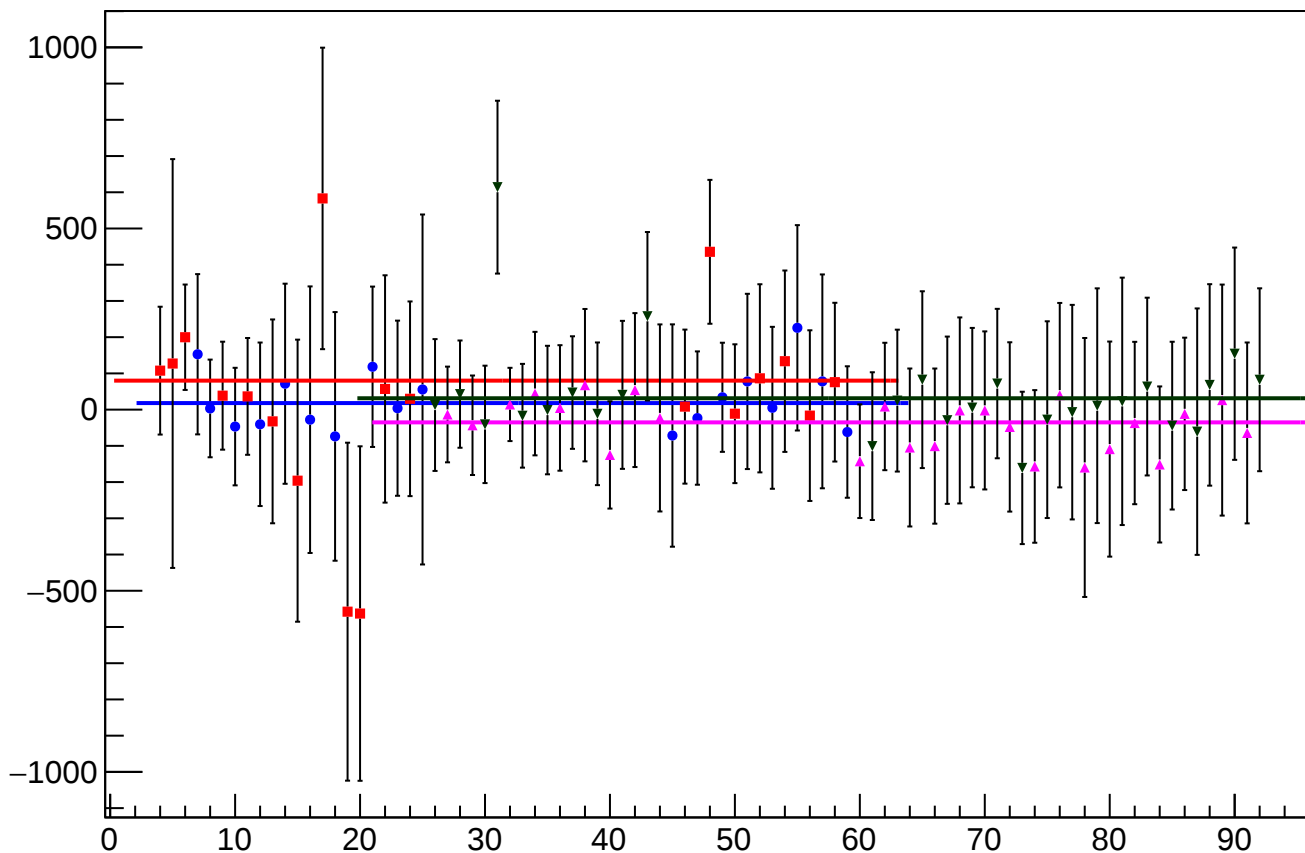
21.518 $\pm$ 0.003 χ^2/NDF : 5293289.5/44

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: 31.385+/-40.777 χ^2/NDF : 9.3/26

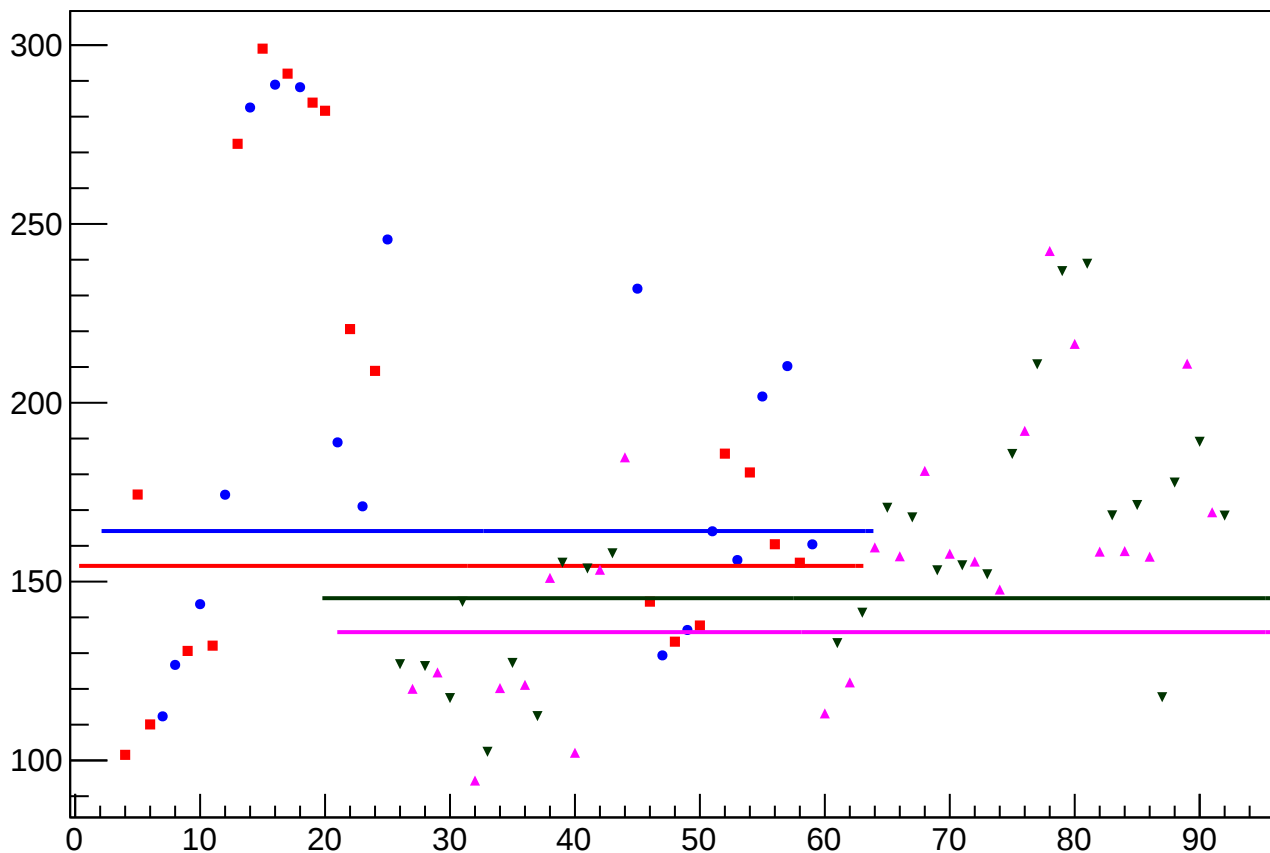
Right Out: 80.043+/-52.081 χ^2/NDF : 10.6/18

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

26.248+/-31.929 χ^2/NDF : 11.2/44

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: 145.362 $\pm$ 0.029 χ^2 /NDF:1071069.4/26

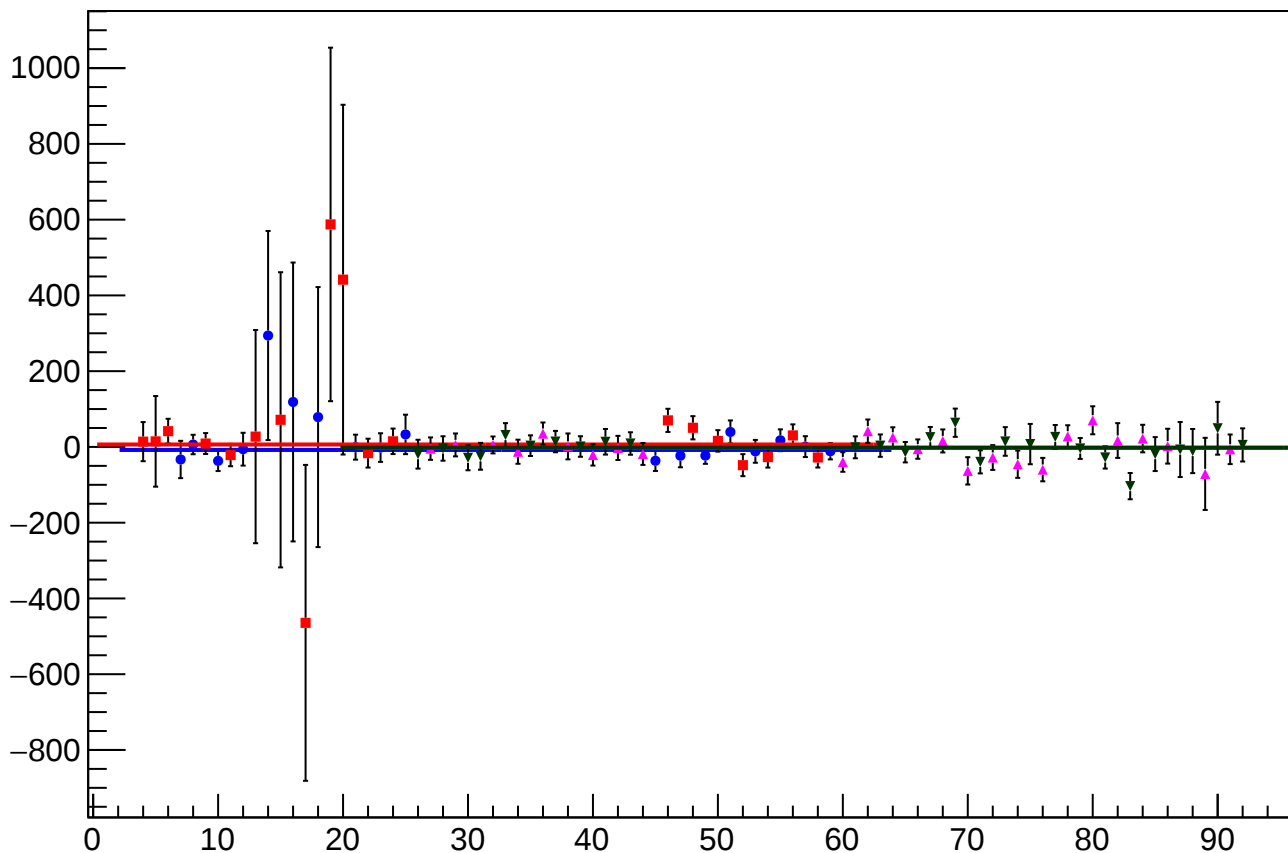
Right Out: 154.395 $\pm$ 0.037 χ^2 /NDF: 1875575.3/18

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

152.627 $\pm$ 0.023 χ^2 /NDF: 2801702.7/44

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: -1.963+/-6.410 χ^2/NDF : 20.2/26

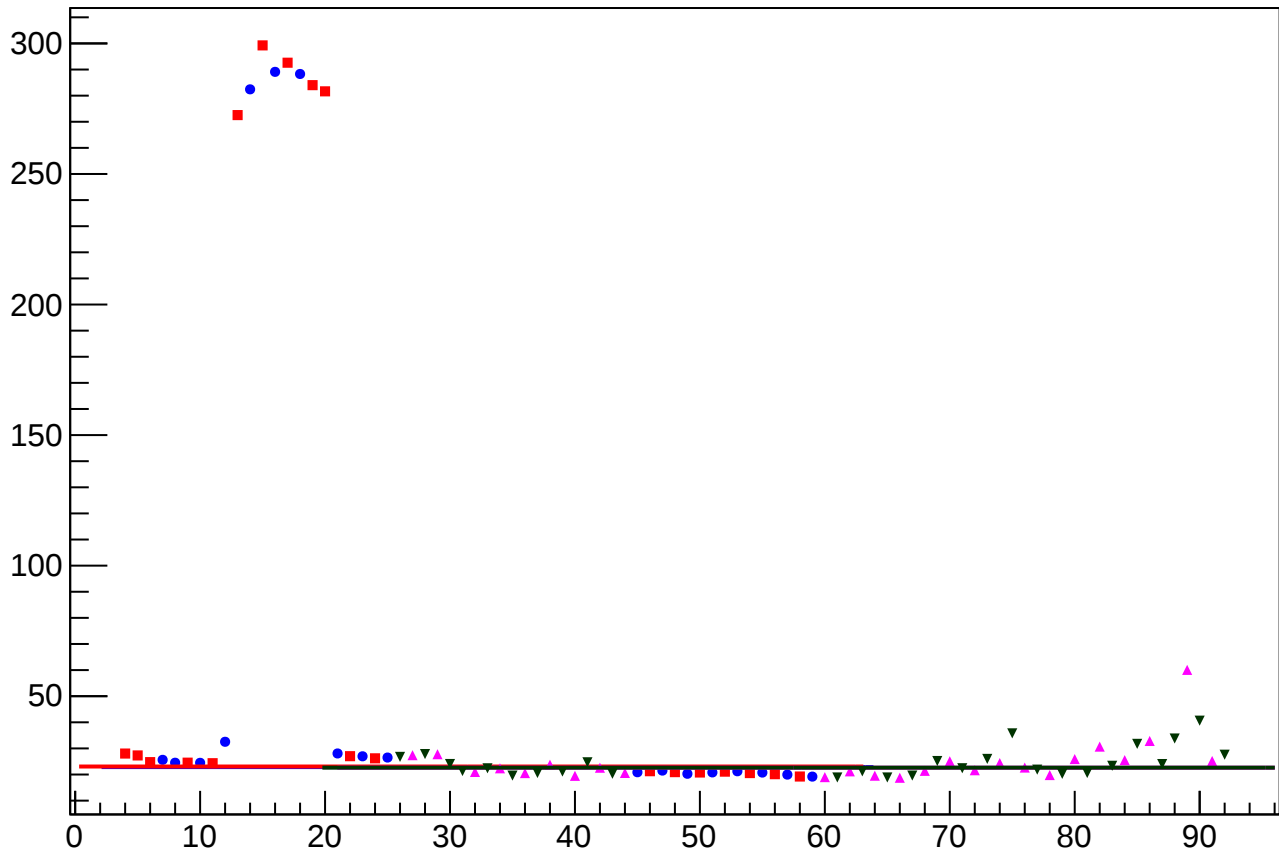
Right Out: 6.463+/-8.479 χ^2/NDF : 20.1/18

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

-4.463+/-4.901 χ^2/NDF : 29.6/44

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 ± 0.005 $\chi^2/\text{NDF}: 4363507.8/17$

Left Out: 22.637 ± 0.005 $\chi^2/\text{NDF}: 735388.2/26$

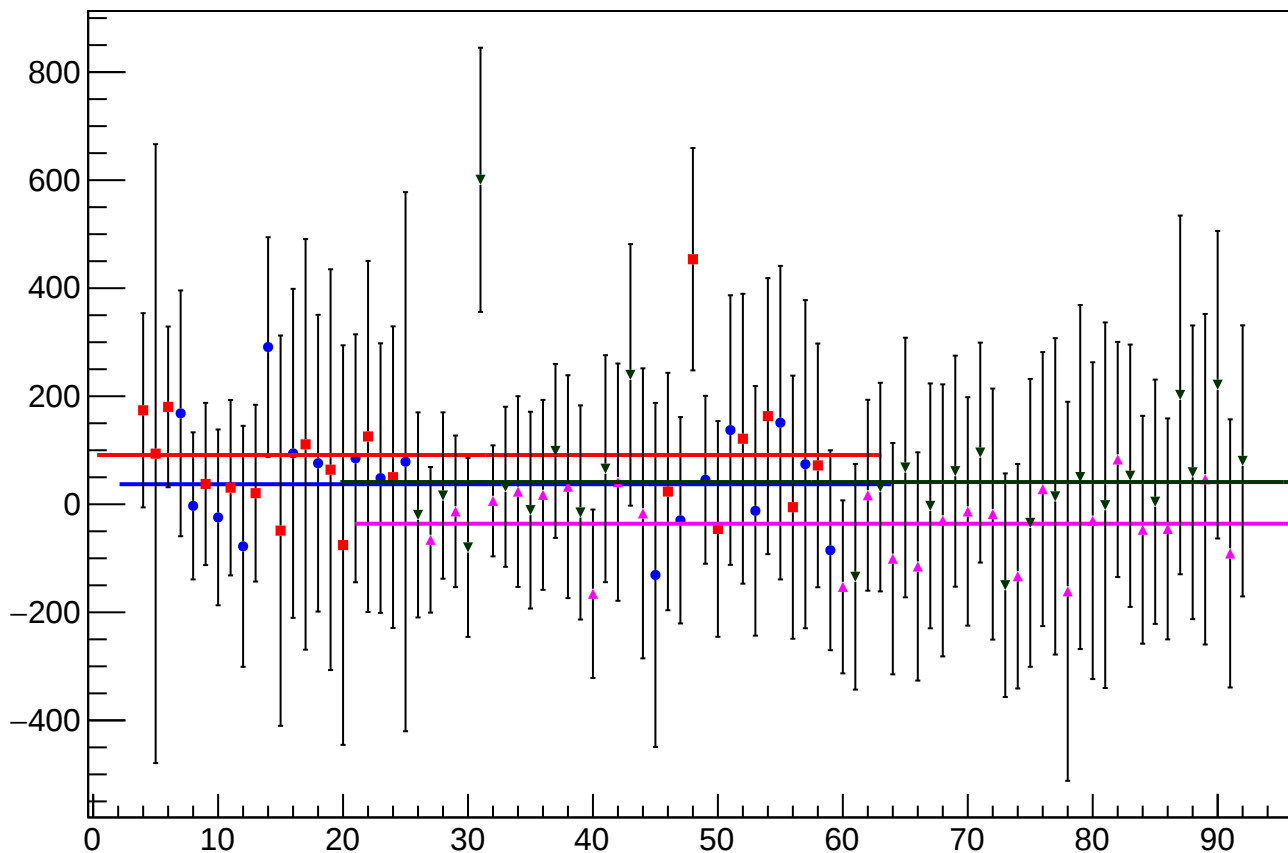
Right Out: 23.069 ± 0.006 $\chi^2/\text{NDF}: 4856723.7/18$

Left In: 22.604 ± 0.004 $\chi^2/\text{NDF}: 829037.7/24$

22.727 ± 0.003 $\chi^2/\text{NDF}: 5099847.6/44$

22.769 ± 0.004 $\chi^2/\text{NDF}: 5689634.1/43$

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs slug



Right In: 37.153 $\pm$ 51.038 χ^2/NDF : 3.7/17

Left Out: 41.149 $\pm$ 41.162 χ^2/NDF :9.4/26

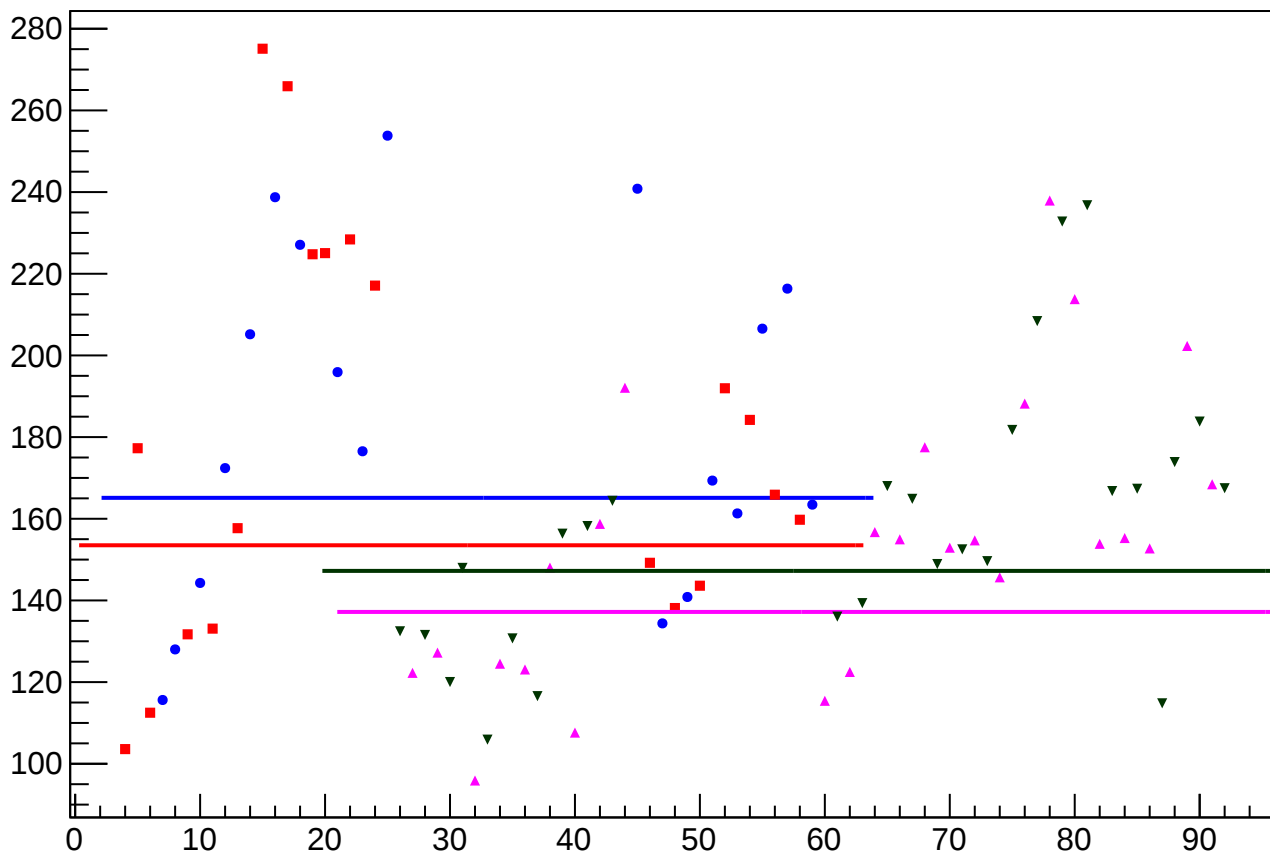
Right Out: 91.157 $\pm$ 50.934 χ^2/NDF : 5.3/18

Left In: -35.976 $\pm$ 38.094 χ^2/NDF :3.1/24

39.574 $\pm$ 32.040 χ^2/NDF : 13.1/44

9.629 $\pm$ 30.506 χ^2/NDF : 12.4/43

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: 147.235 ± 0.029 χ^2/NDF : 907749.8/26

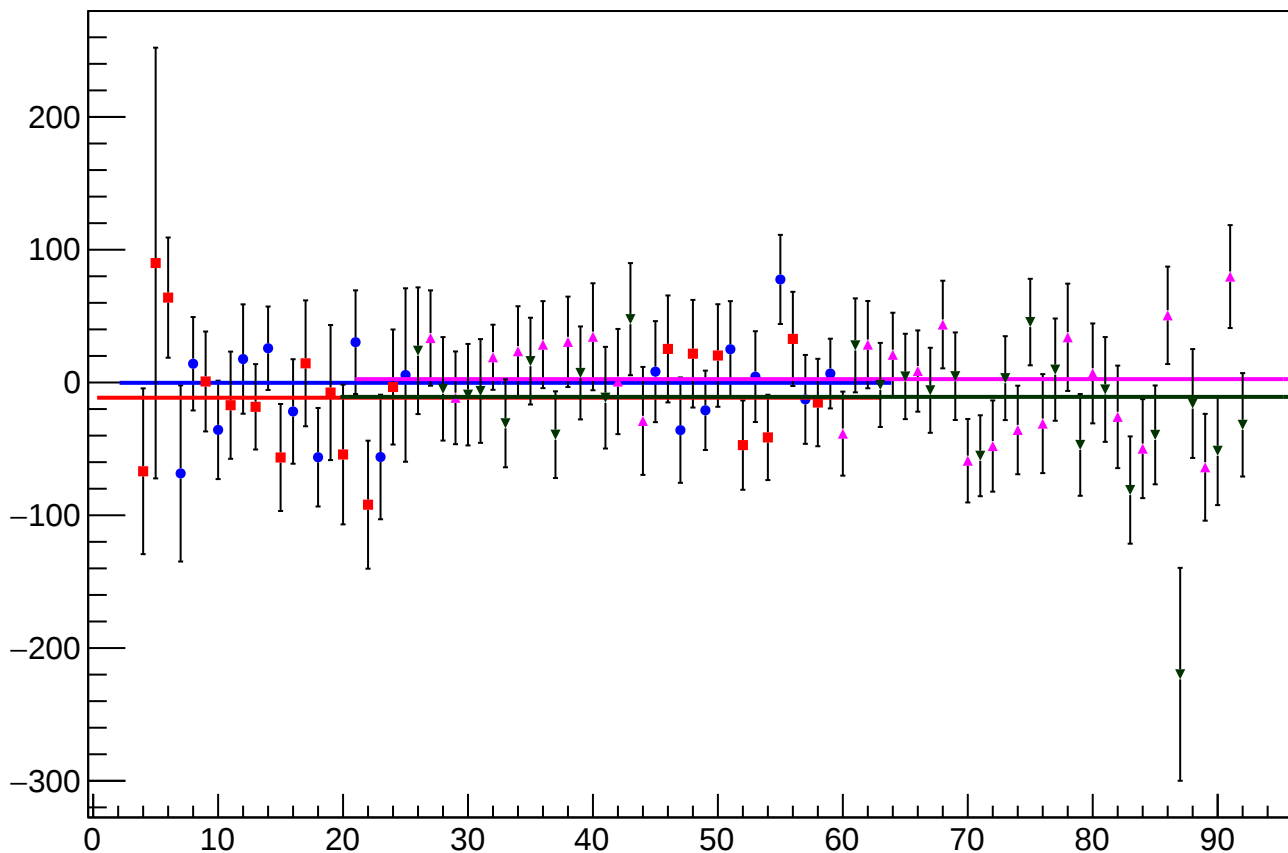
154.286 ± 0.023 χ^2/NDF : 2047294.6/44

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

Left Out: -10.831 ± 7.019 χ^2/NDF : 24.5/26

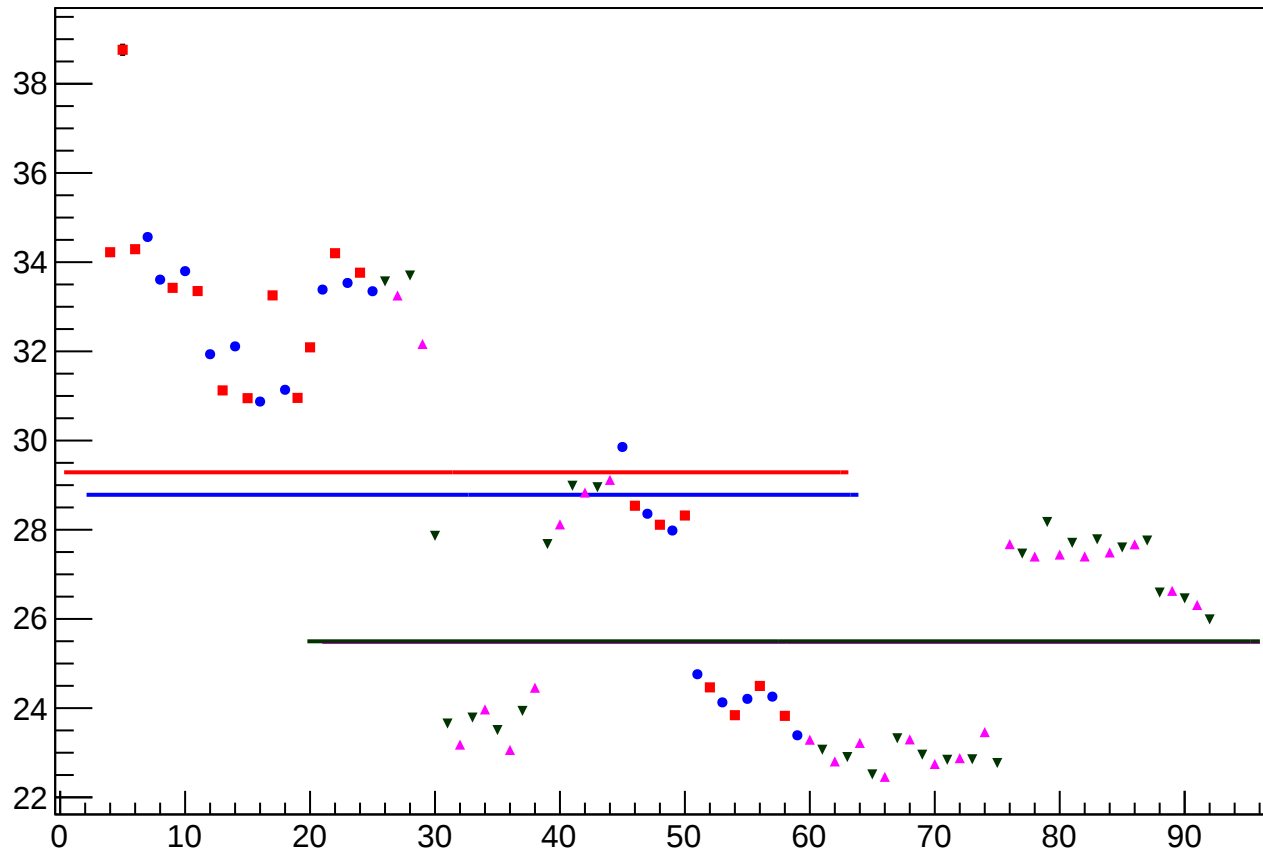
Right Out: -11.462 ± 9.405 χ^2/NDF : 14.9/18

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

-6.624 ± 5.449 χ^2/NDF : 40.5/44

-2.374 ± 5.572 χ^2/NDF : 44.5/43

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: 25.498 $\pm$ 0.005 χ^2 /NDF: 355941.1/26

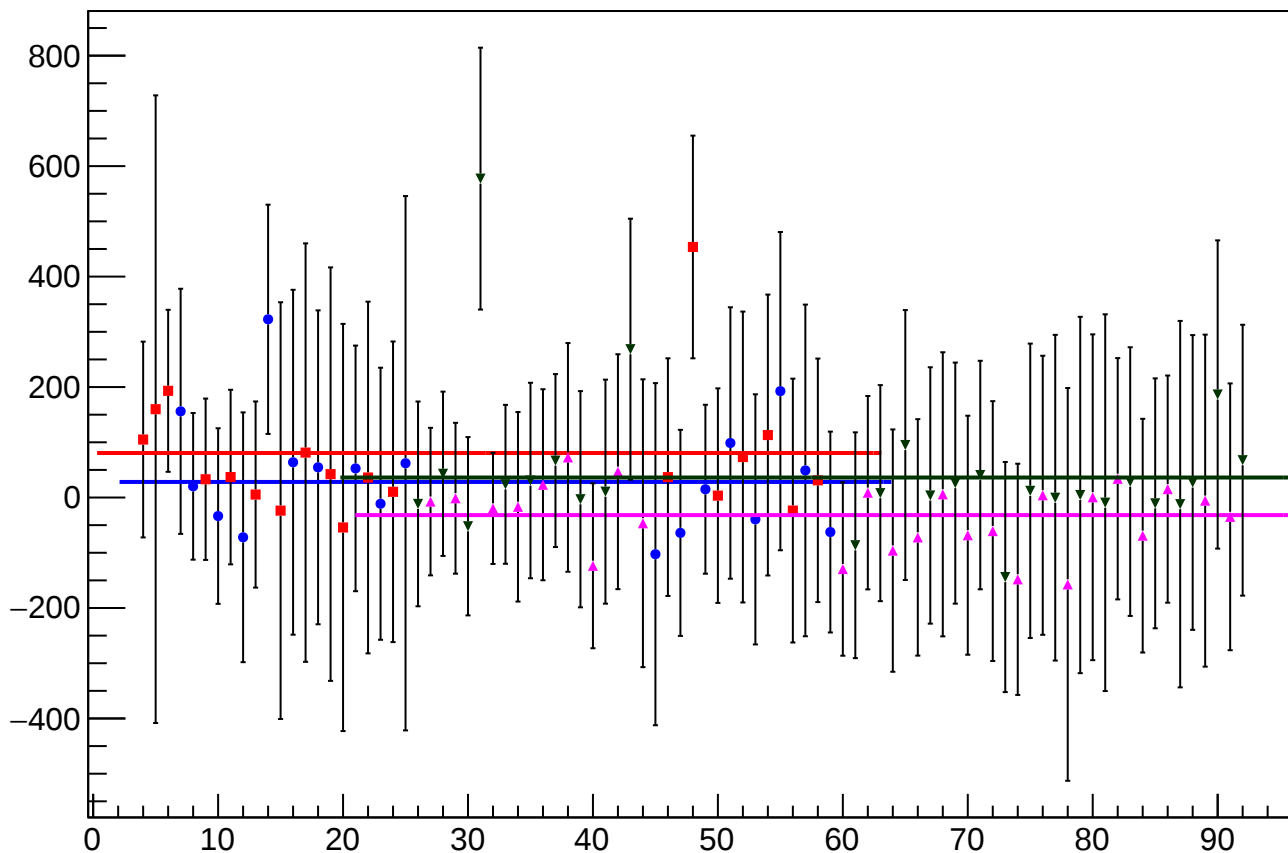
26.803 $\pm$ 0.004 χ^2 /NDF: 948527.3/44

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: 36.236+/-40.639 χ^2/NDF : 8.3/26

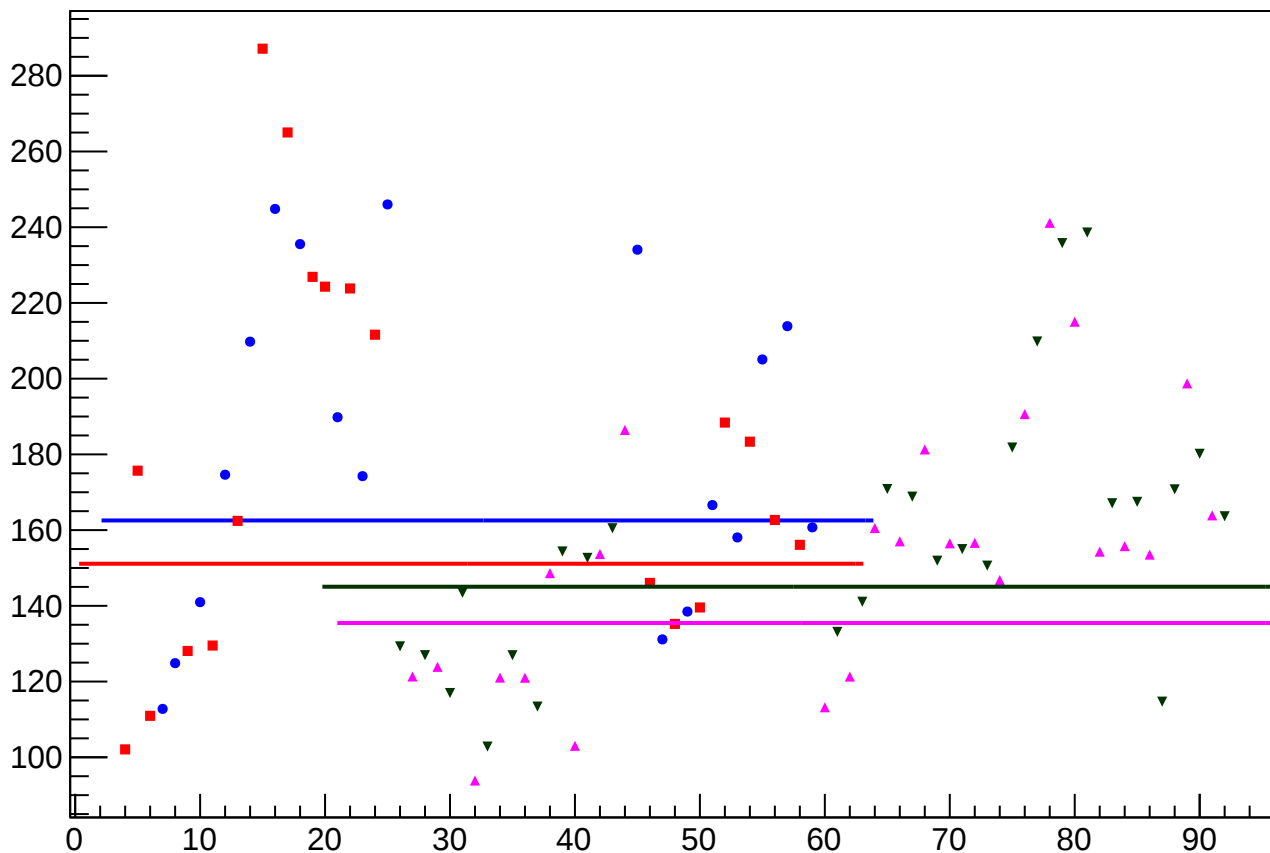
Right Out: 80.614+/-50.242 χ^2/NDF : 5.2/18

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

33.076+/-31.624 χ^2/NDF : 12.2/44

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 ± 0.036 χ^2/NDF : 1089314.8/17

Left Out: 145.046 ± 0.029 χ^2/NDF : 1012333.7/26

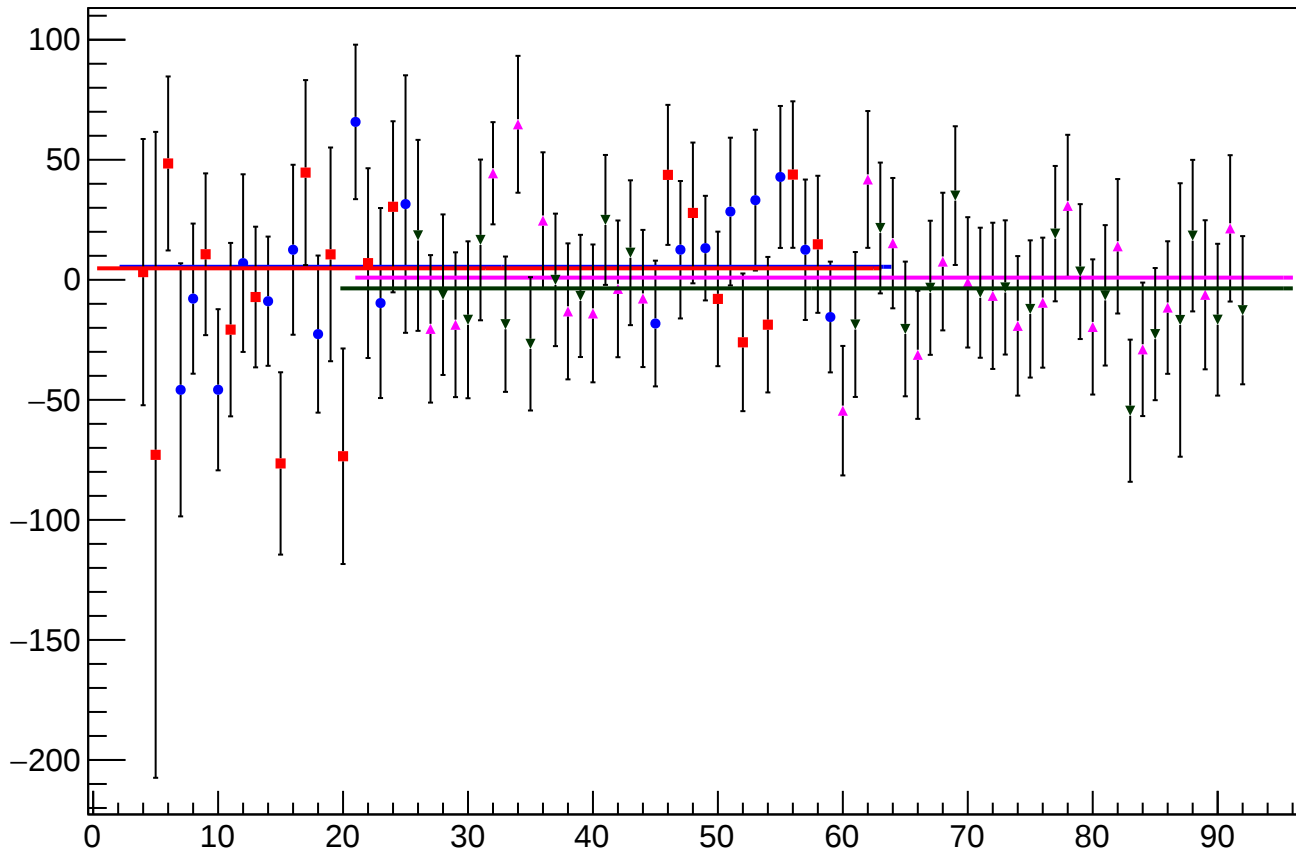
Right Out: 151.117 ± 0.036 χ^2/NDF : 1306443.7/18

Left In: 135.467 ± 0.027 χ^2/NDF : 1387996.0/24

151.949 ± 0.022 χ^2/NDF : 2247981.4/44

141.100 ± 0.021 χ^2/NDF : 2818650.7/43

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs slug



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

Left Out: -3.565 ± 5.697 χ^2/NDF : 11.5/26

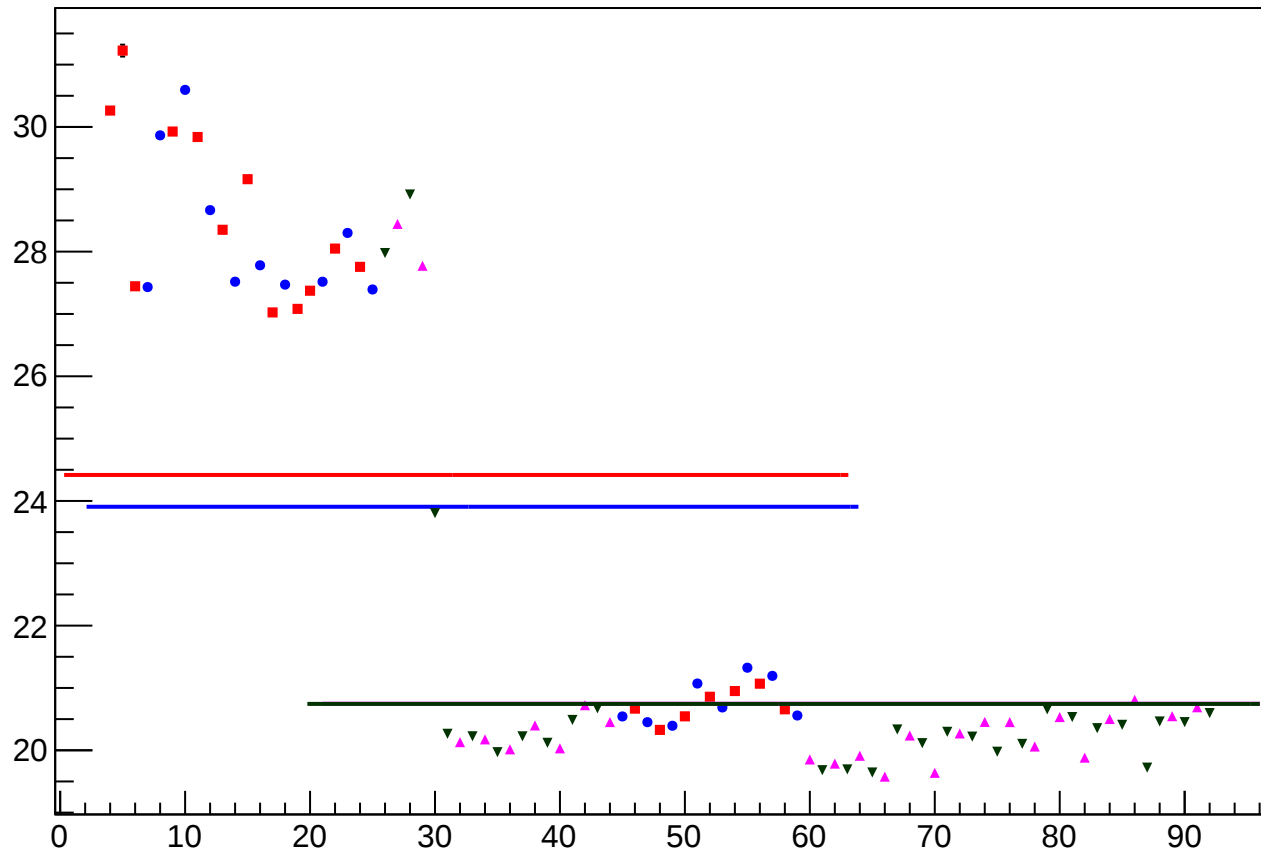
Right Out: 4.784 ± 7.872 χ^2/NDF : 17.9/18

Left In: 0.916 ± 5.615 χ^2/NDF : 23.8/24

-0.106 ± 4.469 χ^2/NDF : 25.8/44

2.220 ± 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: 20.744 $\pm$ 0.004 χ^2 /NDF:223331.5/26

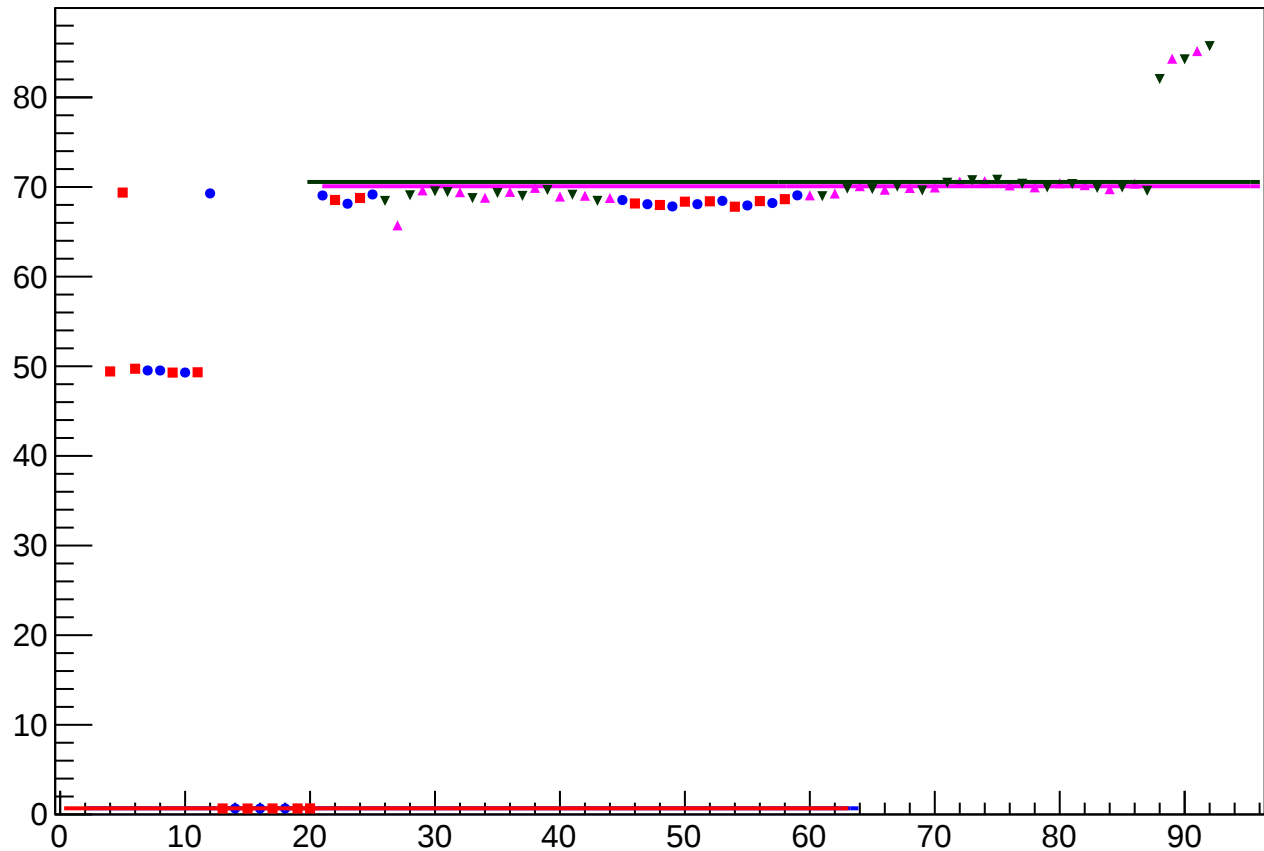
Right Out: 24.417 $\pm$ 0.006 χ^2 /NDF: 496476.9/18

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

21.961 $\pm$ 0.003 χ^2 /NDF: 1026348.1/44

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

yield_bcm_an_ds_mean vs slug



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

Left Out: 70.564 $\pm$ 0.000 χ^2 /NDF: 4391502761.7/26

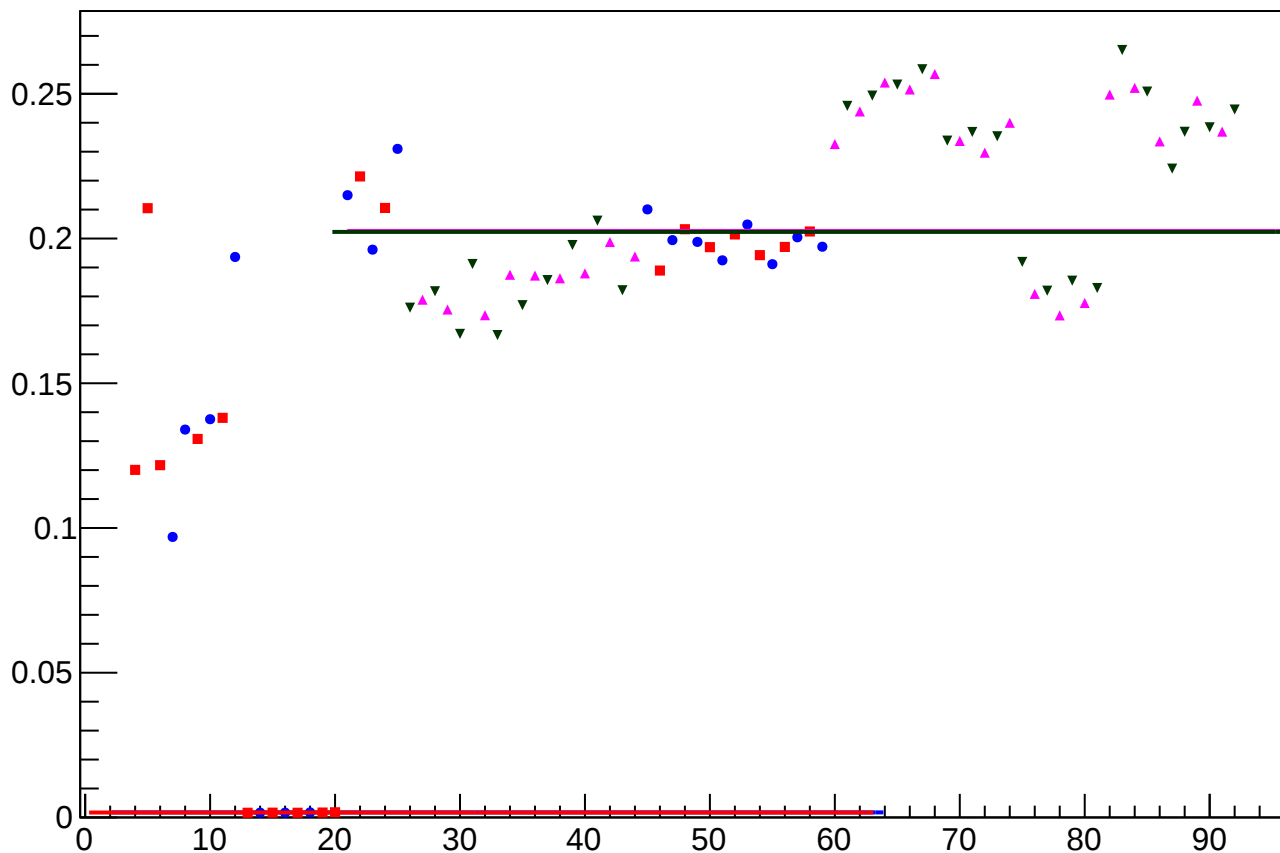
0.714 $\pm$ 0.000 χ^2 /NDF: 2562383399264.8/44

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: 0.202+/-0.000 χ^2/NDF : 577081.2/26

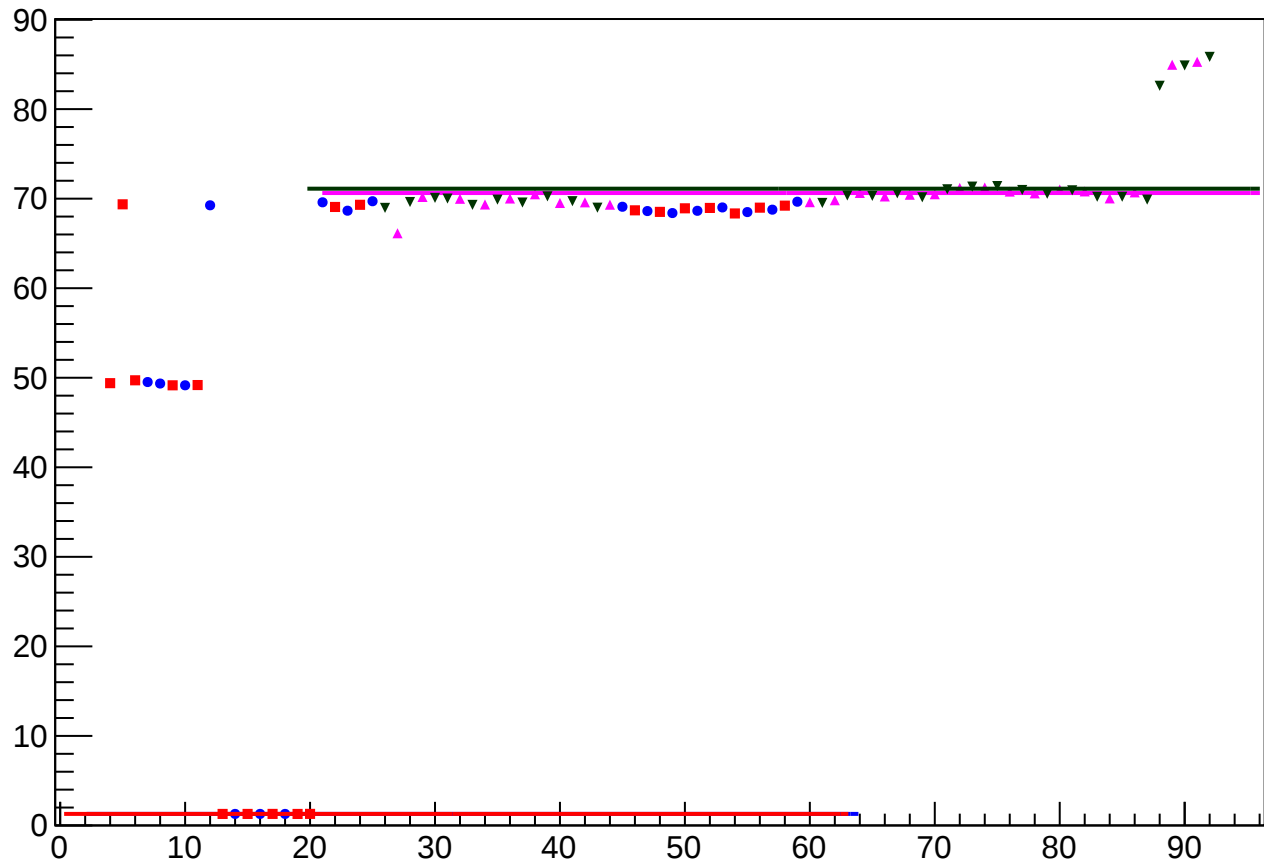
Right Out: 0.002+/-0.000 χ^2/NDF : 13510450.3/18

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

0.002+/-0.000 χ^2/NDF : 42529939.1/44

0.002+/-0.000 χ^2/NDF : 39969769.5/43

yield_bcm_an_ds3_mean vs slug



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

Left Out: 71.114 ± 0.000 χ^2/NDF : 4150204291.7/26

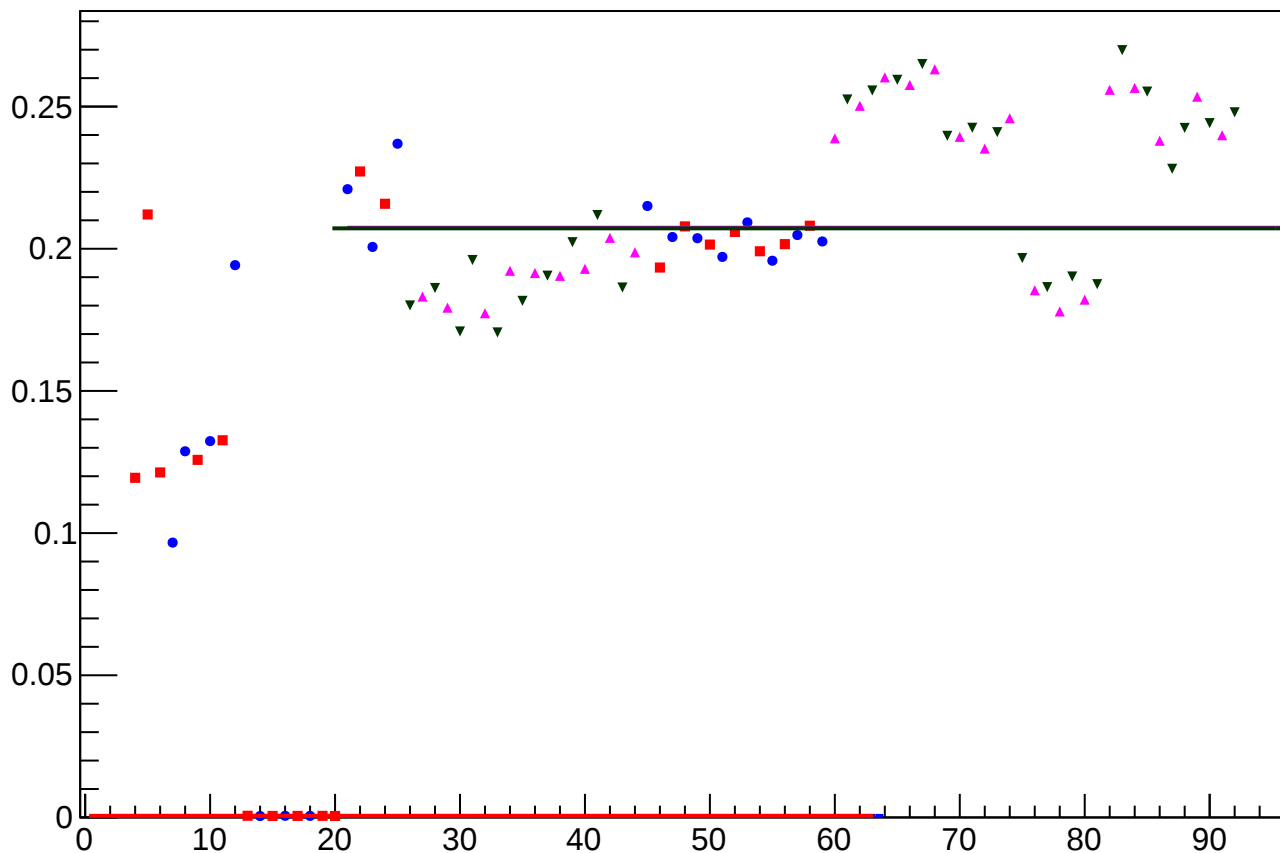
1.293 ± 0.000 χ^2/NDF : 2462822220034.8/44

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

1.293 ± 0.000 χ^2/NDF : 2301873388188.6/43

Left In: 70.627 ± 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: 0.207+/-0.000 χ^2/NDF : 571377.7/26

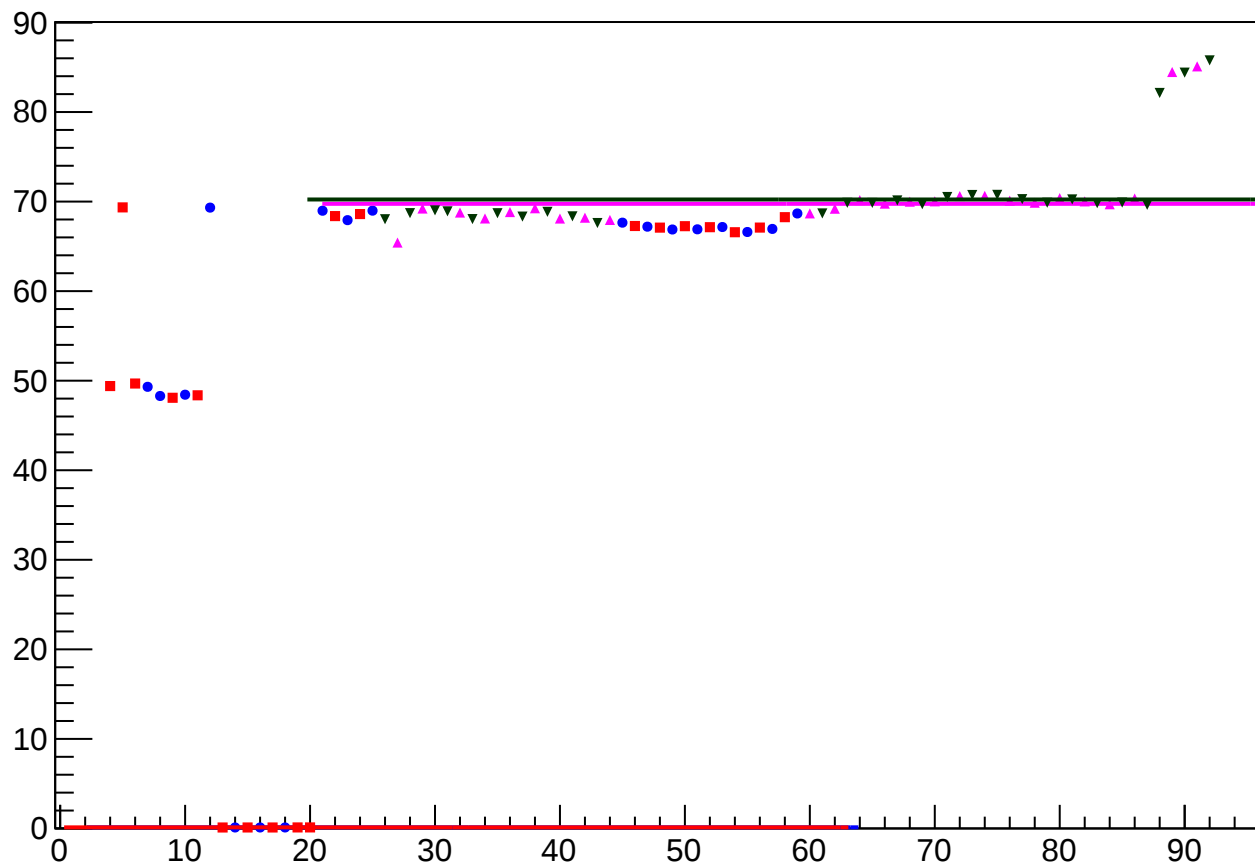
Right Out: 0.001+/-0.000 χ^2/NDF : 13695888.0/18

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

0.001+/-0.000 χ^2/NDF : 43089344.8/44

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: 70.234+/-0.000 χ^2/NDF : 4764977562.2/26

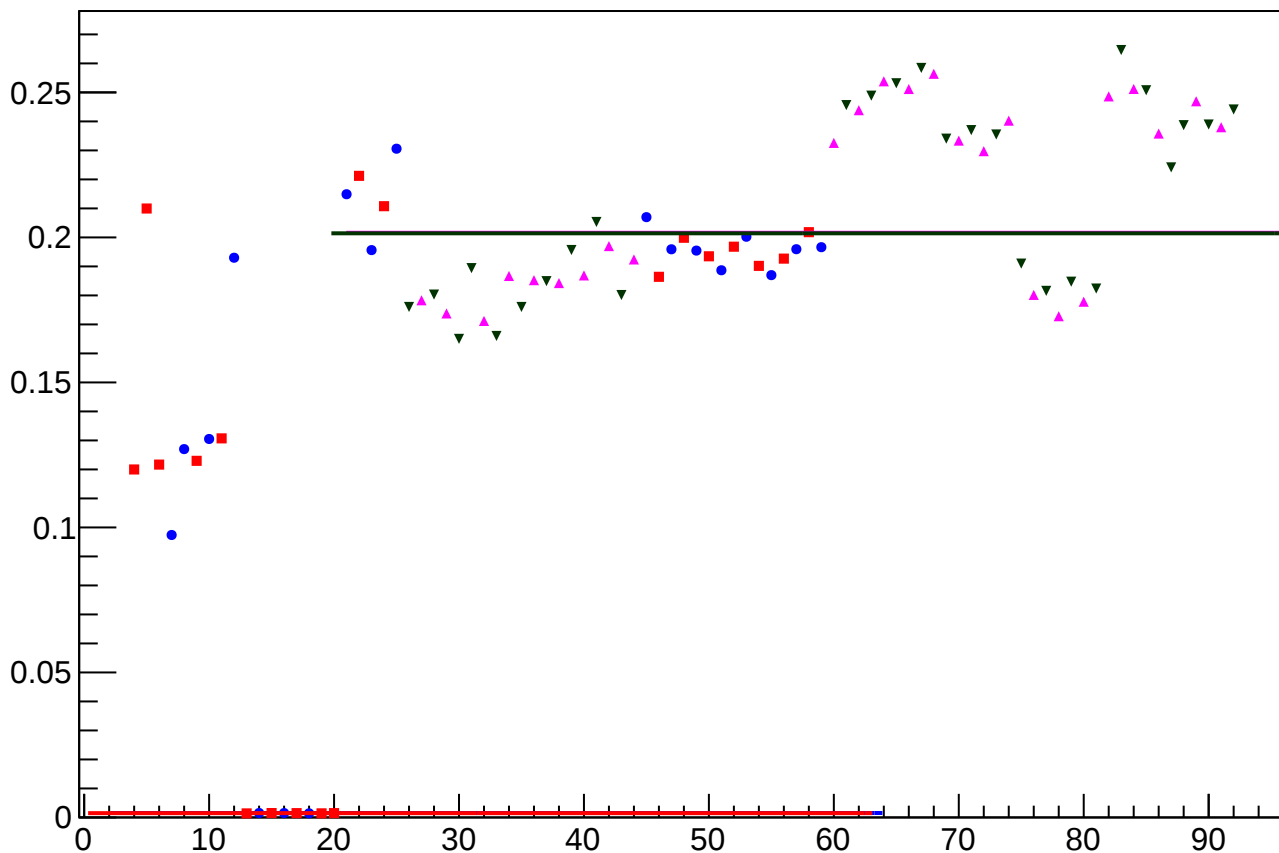
Right Out: 0.122+/-0.000 χ^2/NDF : 876428994690.6/18

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

0.147+/-0.000 χ^2/NDF : 2617077609837.6/44

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

yield_bcm_an_us_rms vs slug



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

Left Out: 0.201+/-0.000 χ^2/NDF : 597966.7/26

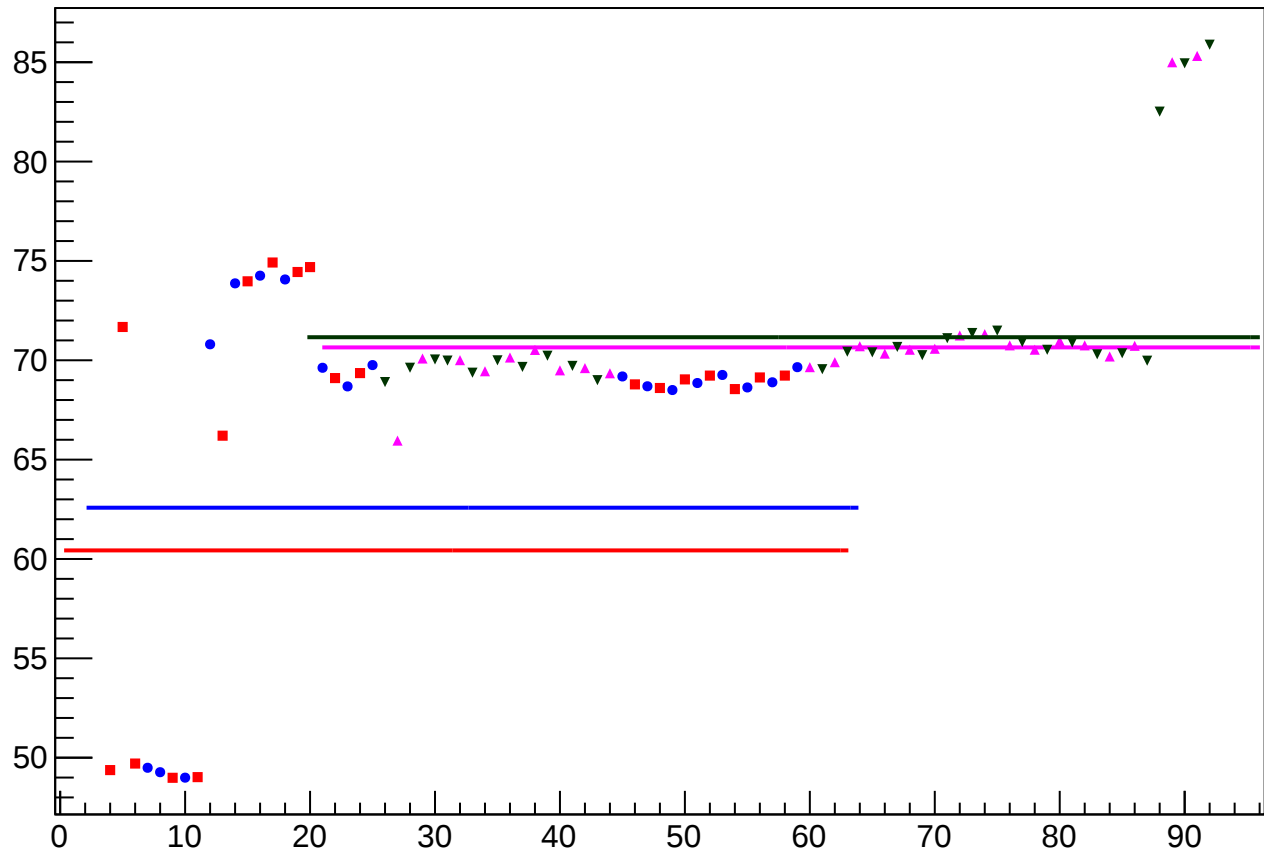
Right Out: 0.001+/-0.000 χ^2/NDF : 13535654.6/18

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

0.002+/-0.000 χ^2/NDF : 42591099.6/44

0.002+/-0.000 χ^2/NDF : 40048464.1/43

yield_bcm_dg_us_mean vs slug



Right In: 62.581 ± 0.000 $\chi^2/NDF: 33681231971.4/17$

Left Out: 71.160 ± 0.000 $\chi^2/NDF: 4066395510.5/26$

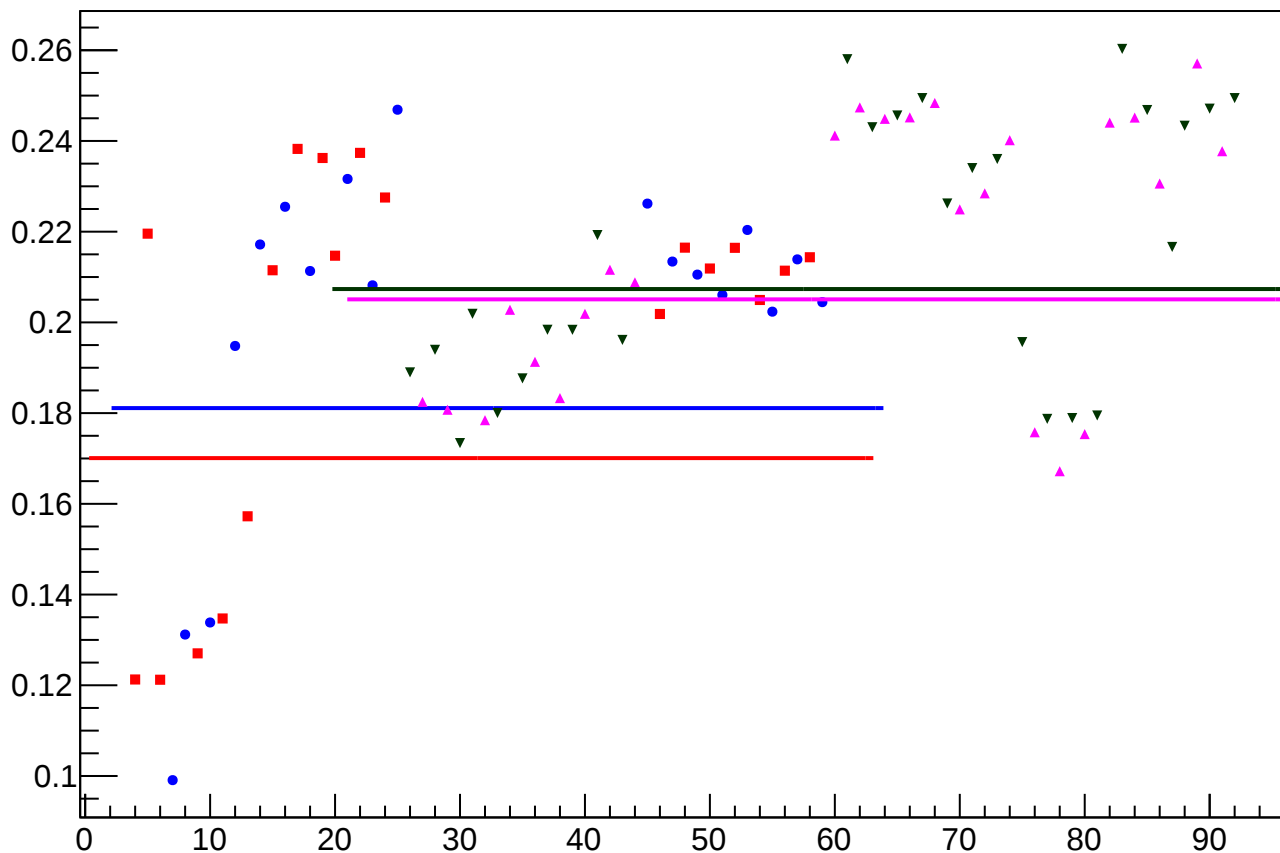
Right Out: 60.432 ± 0.000 $\chi^2/NDF: 32977972131.8/18$

Left In: 70.648 ± 0.000 $\chi^2/NDF: 3748163271.6/24$

66.760 ± 0.000 $\chi^2/NDF: 49000783389.5/44$

65.595 ± 0.000 $\chi^2/NDF: 52884086614.6/43$

yield_bcm_dg_us_rms vs slug



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

Left Out: 0.207+/-0.000 χ^2/NDF : 453755.5/26

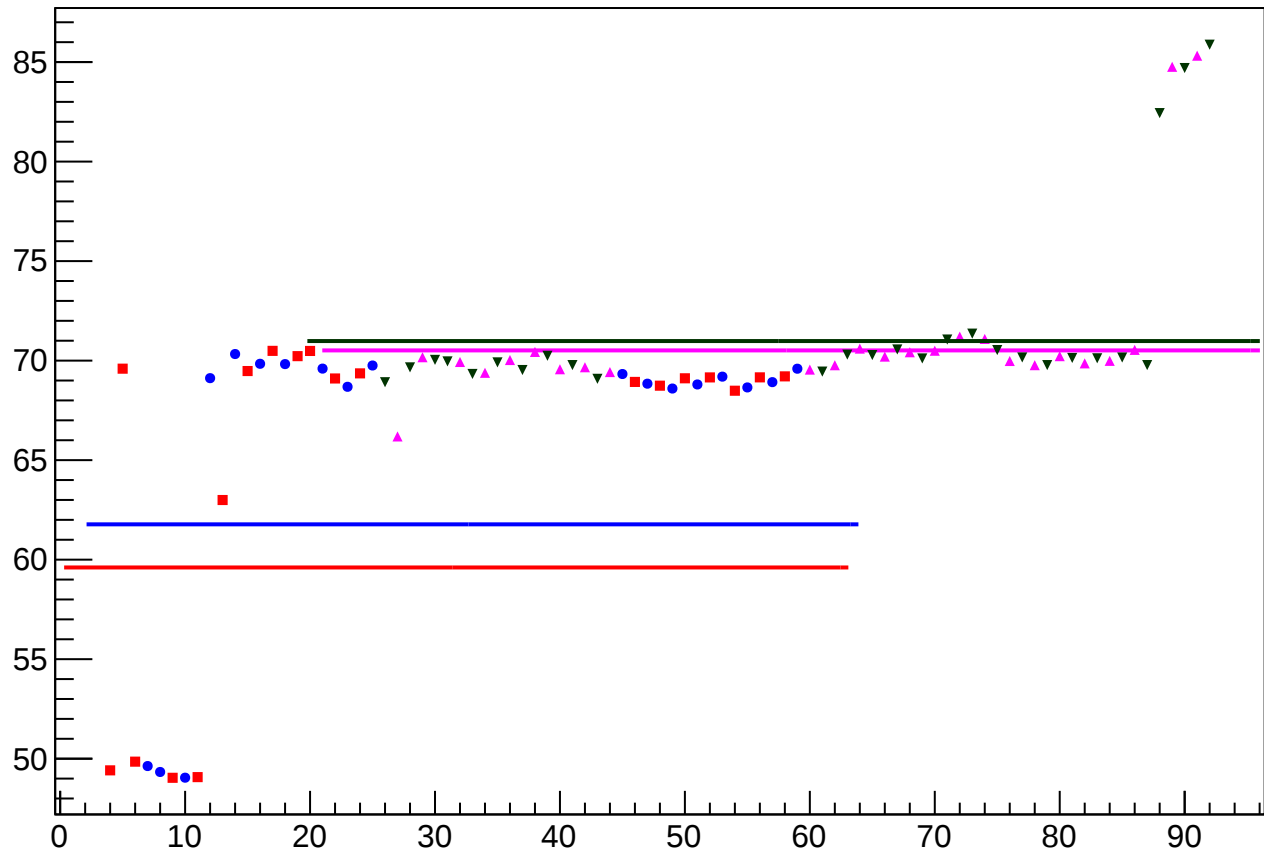
Right Out: 0.170+/-0.000 χ^2/NDF : 1183604.4/18

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

0.194+/-0.000 χ^2/NDF : 1880586.9/44

0.188+/-0.000 χ^2/NDF : 2079088.1/43

yield_bcm_dg_ds_mean vs slug



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

Left Out: 70.983 $\pm$ 0.000 χ^2/NDF : 4352399524.7/26

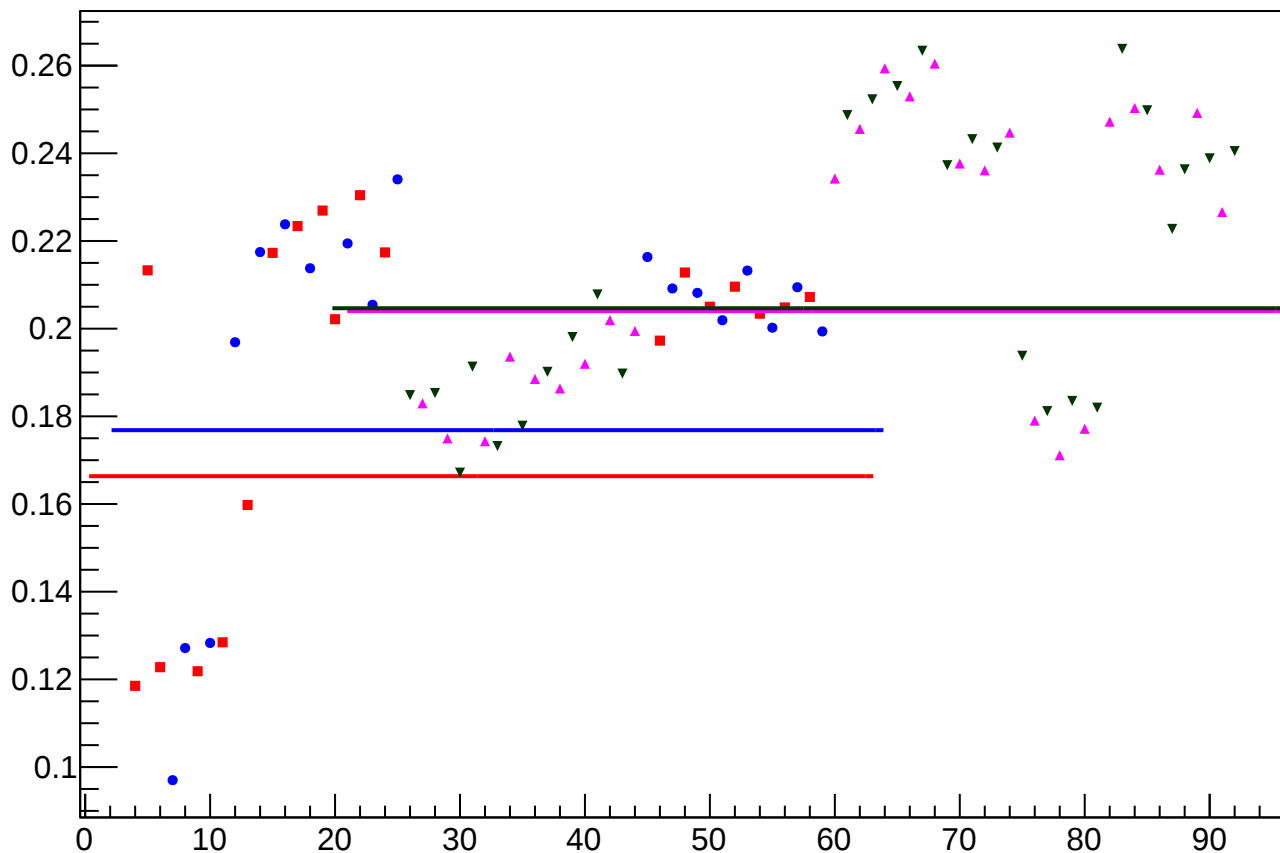
Right Out: 59.608 $\pm$ 0.000 χ^2/NDF : 29547406430.8/18

Left In: 70.513 $\pm$ 0.000 χ^2/NDF : 3942242060.8/24

66.206 $\pm$ 0.000 χ^2/NDF : 48731764202.2/44

65.023 $\pm$ 0.000 χ^2/NDF : 52419408291.6/43

yield_bcm_dg_ds_rms vs slug



Right In: 0.177 $\pm$ 0.000 χ^2 /NDF: 1276663.3/17

Left Out: 0.205 $\pm$ 0.000 χ^2 /NDF:555729.8/26

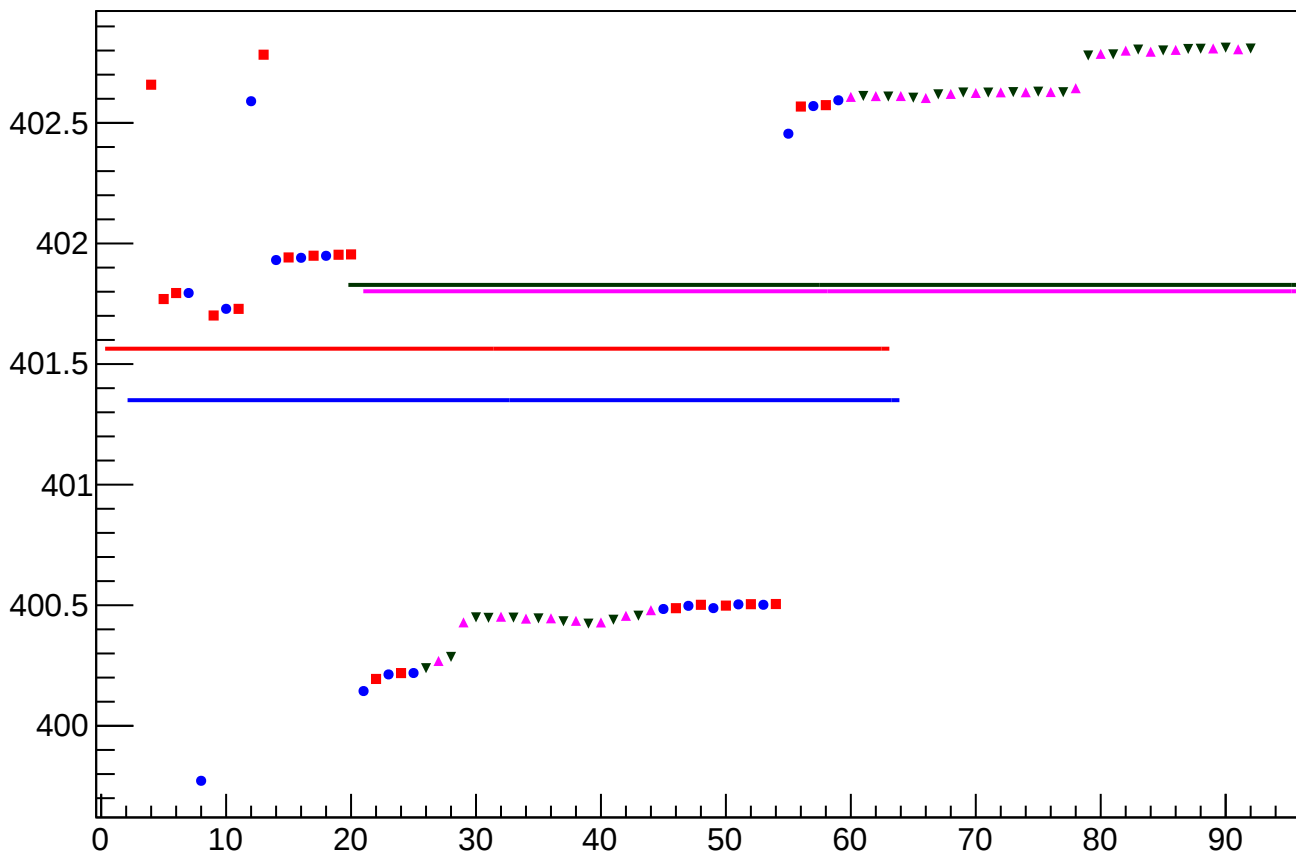
Right Out: 0.166 $\pm$ 0.000 χ^2 /NDF: 1156468.8/18

Left In: 0.204 $\pm$ 0.000 χ^2 /NDF:586569.1/24

0.190 $\pm$ 0.000 χ^2 /NDF: 2077040.8/44

0.185 $\pm$ 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: 401.828+/-0.000 χ^2/NDF : 380594128901.7/26

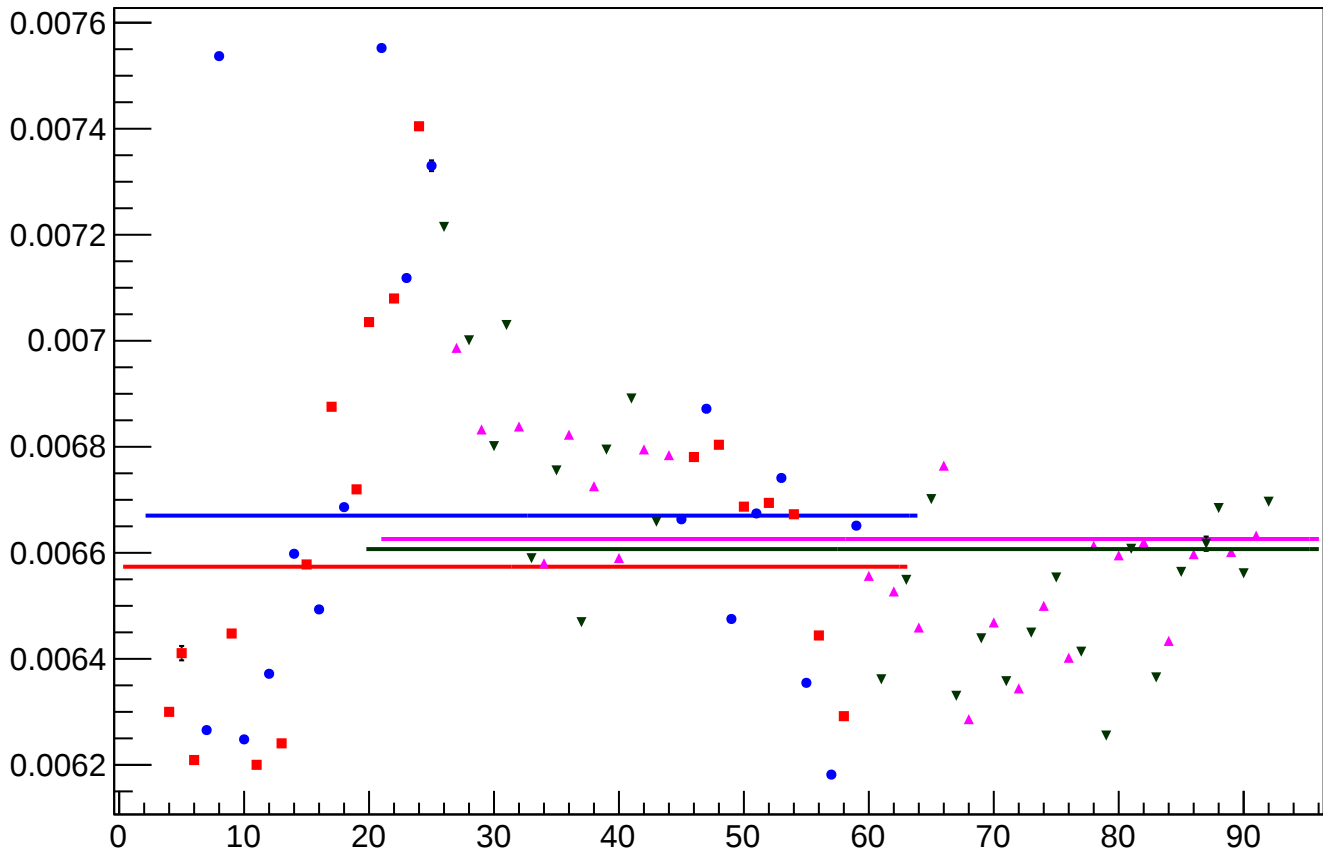
Right Out: 401.564+/-0.000 χ^2/NDF : 183973928948.5/18

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

401.613+/-0.000 χ^2/NDF : 647257640078.7/44

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 :31939.1/26

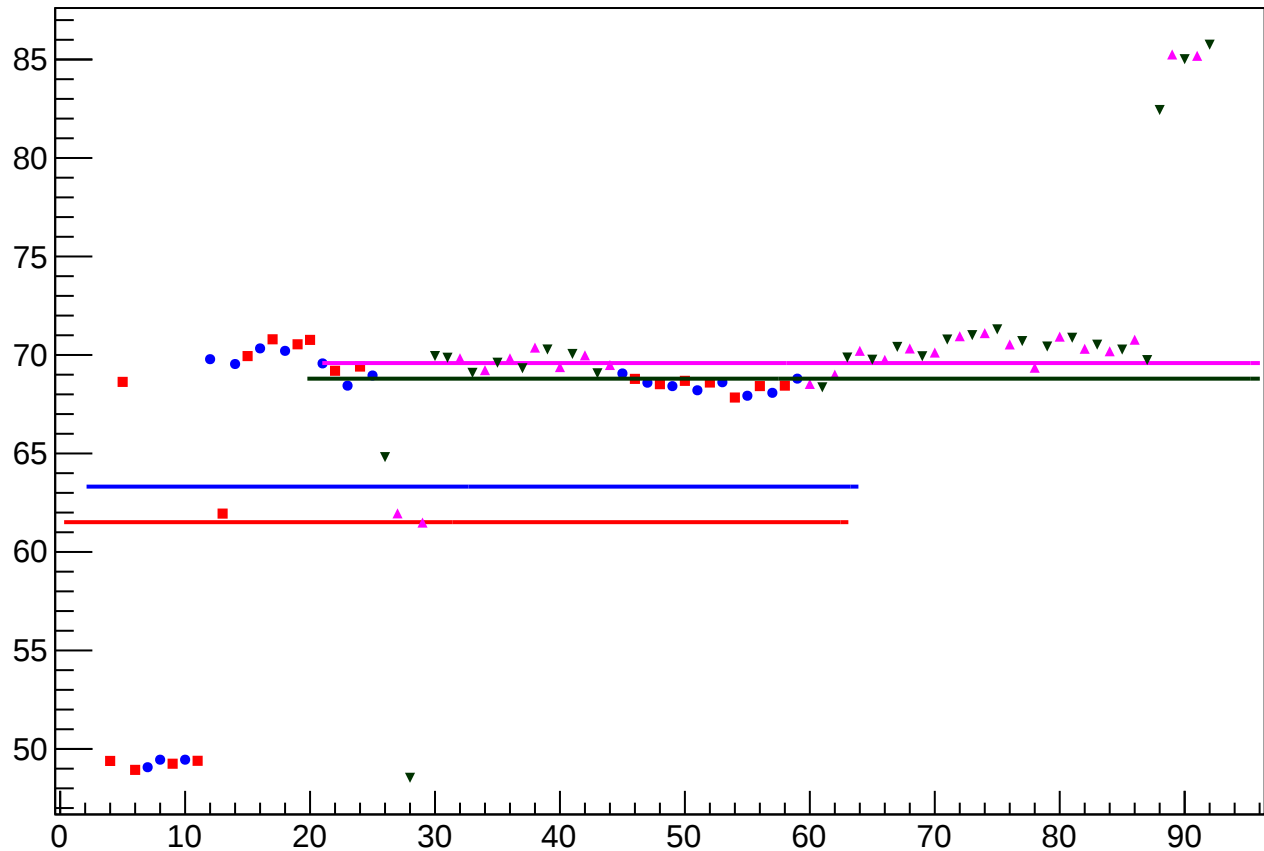
0.007+/-0.000 χ^2/NDF : 109722.7/44

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: 68.797+/-0.000 χ^2/NDF : 16060074614.3/26

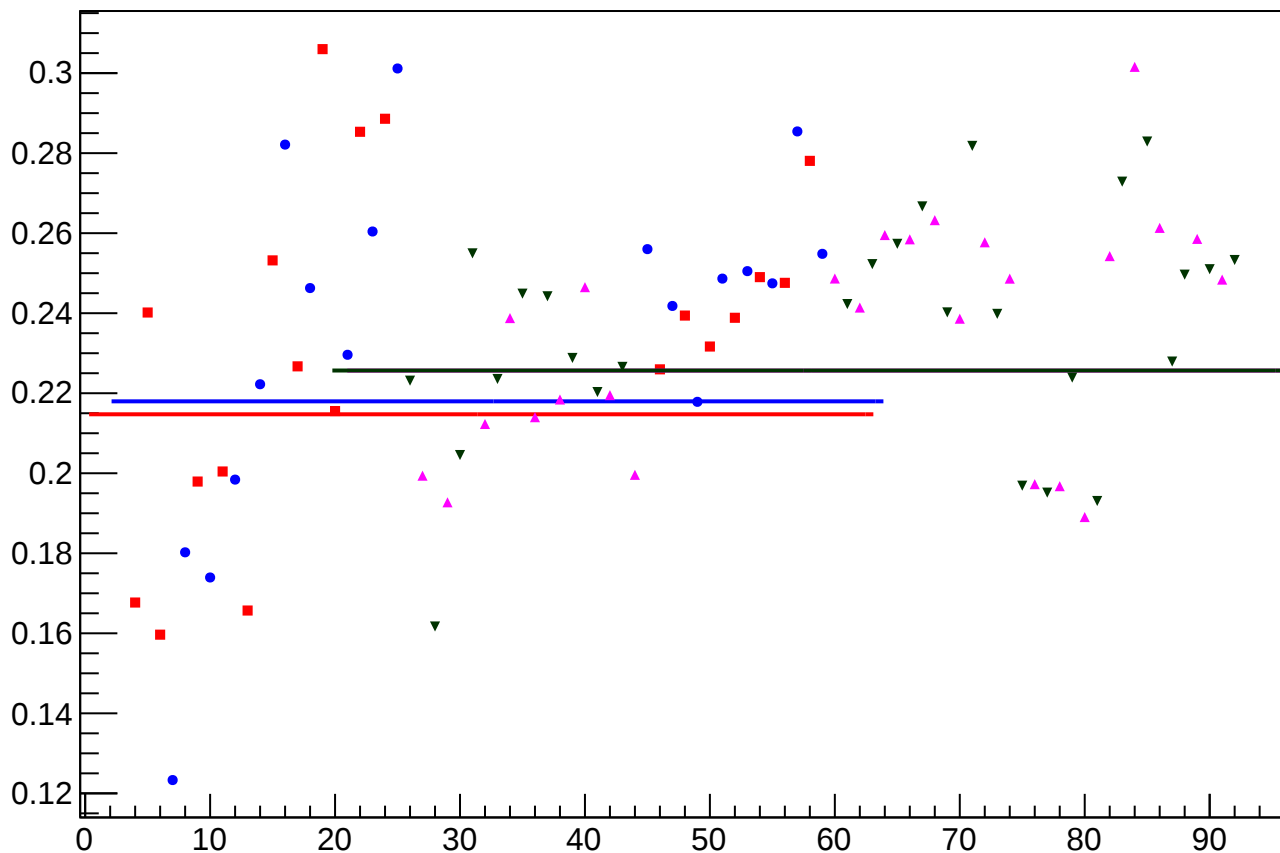
Right Out: 61.513+/-0.000 χ^2/NDF : 15349624825.1/18

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

66.249+/-0.000 χ^2/NDF : 36504695723.3/44

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

yield_cav4cQ_rms vs slug



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

Left Out: 0.226 $\pm$ 0.000 χ^2 /NDF: 517242.0/26

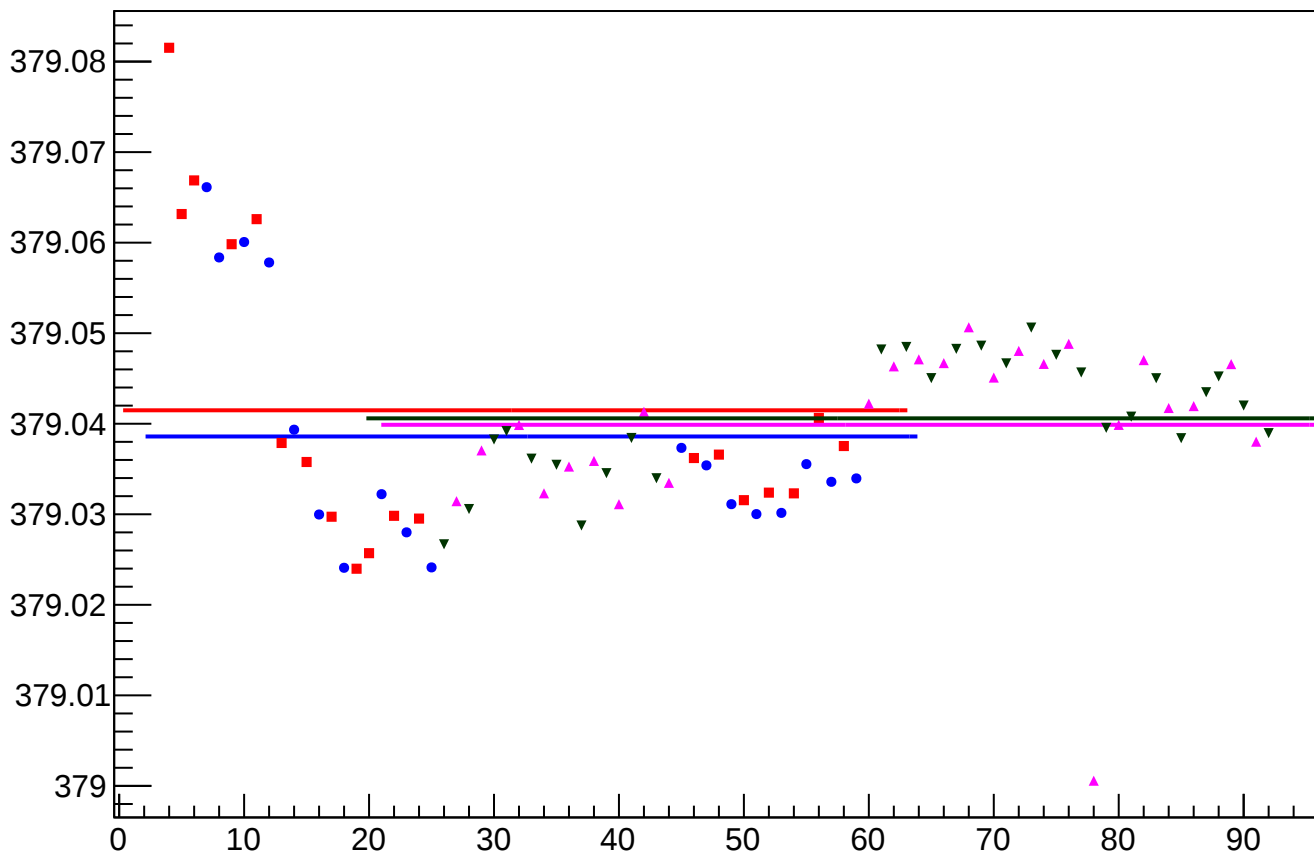
Right Out: 0.215 $\pm$ 0.000 χ^2 /NDF: 631176.3/18

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

0.222 $\pm$ 0.000 χ^2 /NDF: 1265302.0/44

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:12449090.0/26

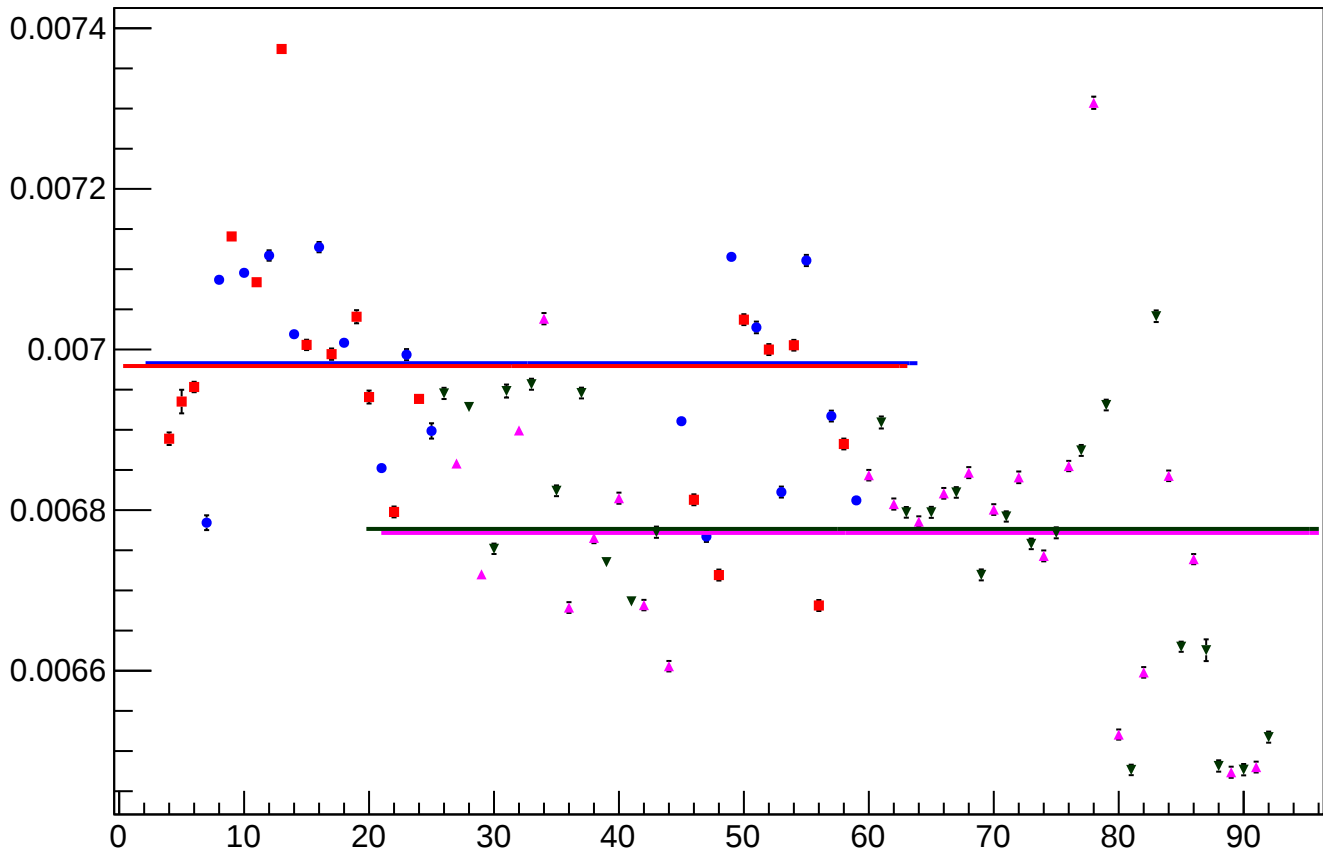
Right Out: 379.041 $\pm$ 0.000 χ^2 /NDF: 46280794.1/18

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

379.040 $\pm$ 0.000 χ^2 /NDF: 46742580.3/44

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 :13672.8/26

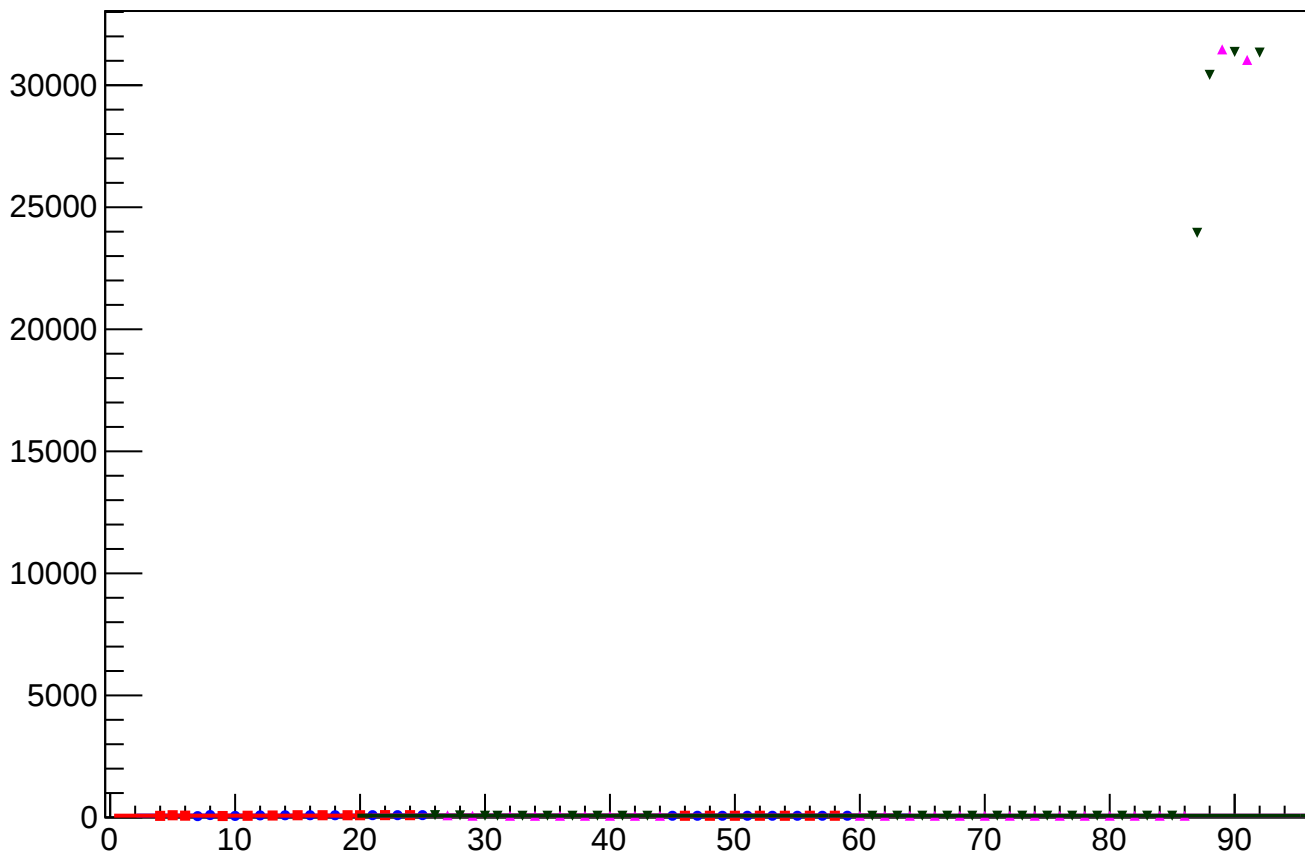
0.007+/-0.000 χ^2/NDF : 31363.4/44

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

0.007+/-0.000 χ^2/NDF : 37473.8/43

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

yield_bcm0l02_mean vs slug



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

Left Out: 72.462+/-0.000 χ^2 /NDF:53021619429.1/26

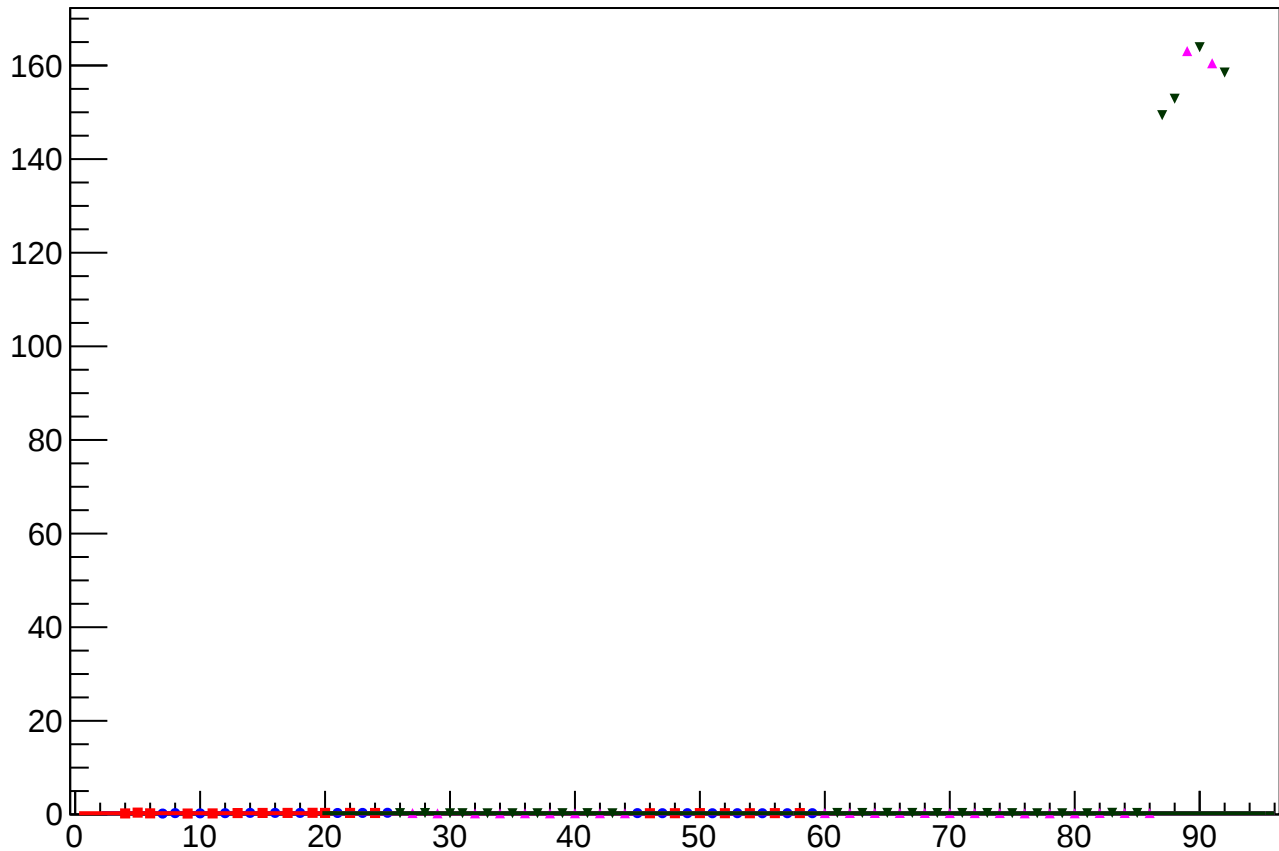
Right Out: 73.439+/-0.000 χ^2 /NDF: 14741427319.0/18

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

74.173+/-0.000 χ^2 /NDF: 74709866267.1/44

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 : 2917712.5/26

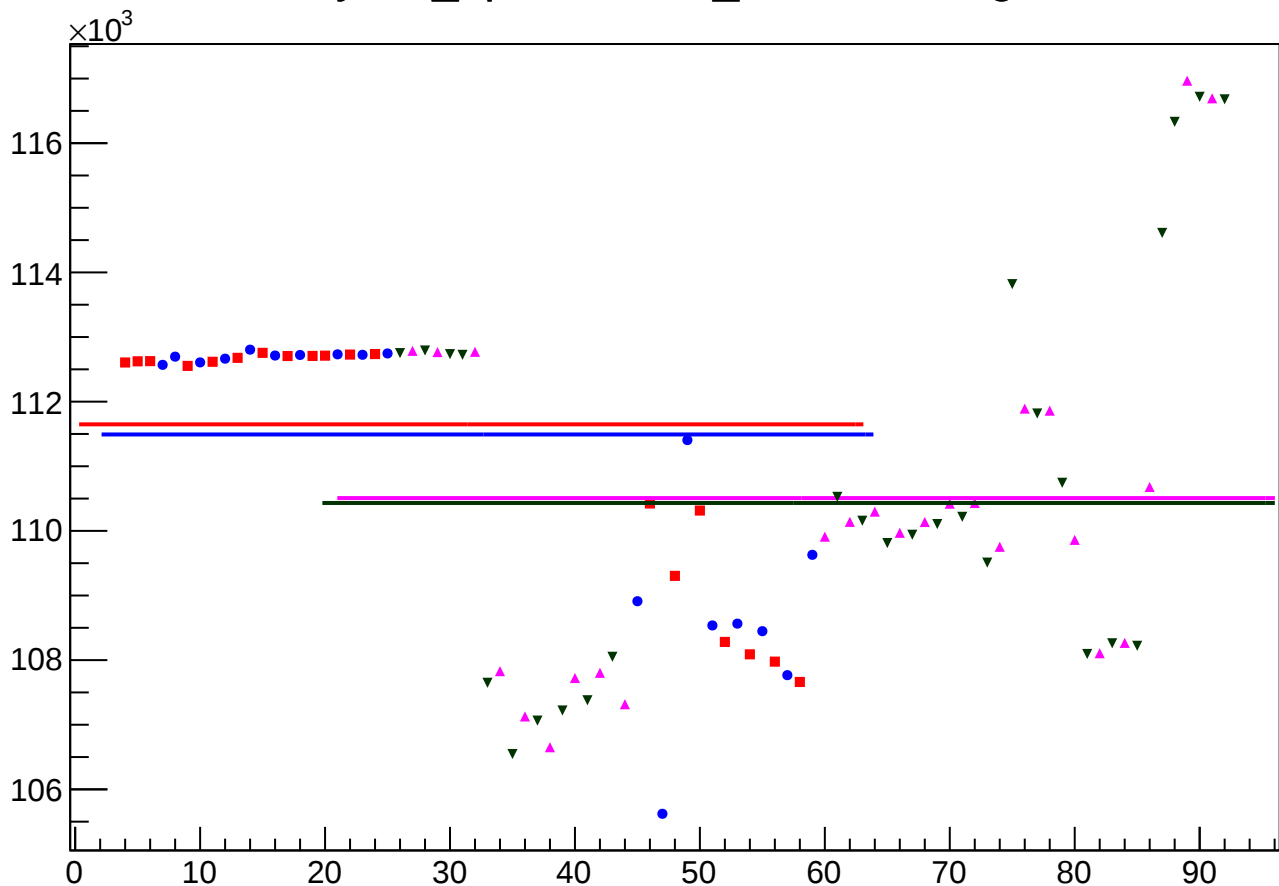
Right Out: 0.265+/-0.000 χ^2/NDF : 503582.7/18

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

0.277+/-0.000 χ^2/NDF : 3288314.3/44

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: 110432.004 $\pm$ 0.037 χ^2 /NDF: 5938396313.9/26

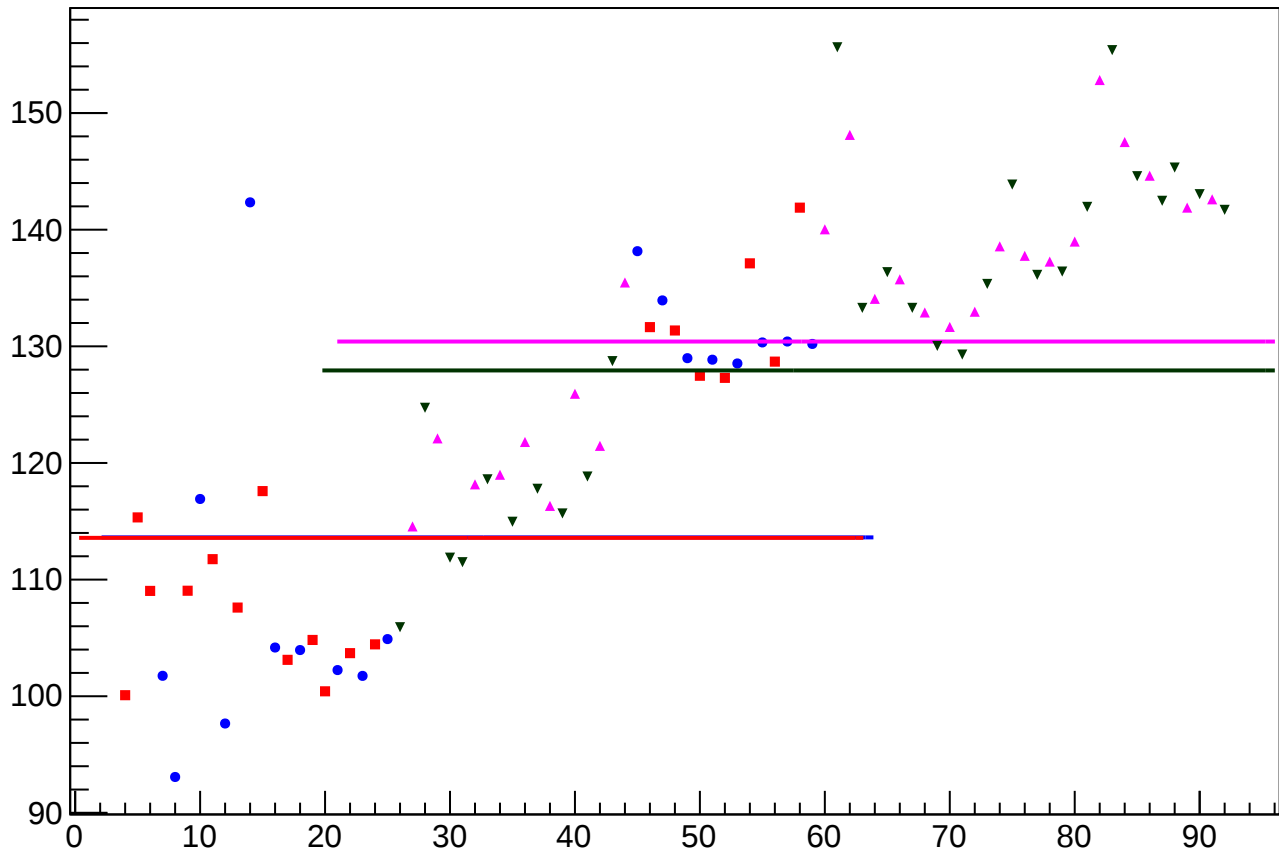
Right Out: 111648.935 $\pm$ 0.037 χ^2 /NDF: 2298631932.7/18

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

110986.913 $\pm$ 0.025 χ^2 /NDF: 9548808987.2/44

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: 127.933 $\pm$ 0.026 χ^2 /NDF: 249093.5/26

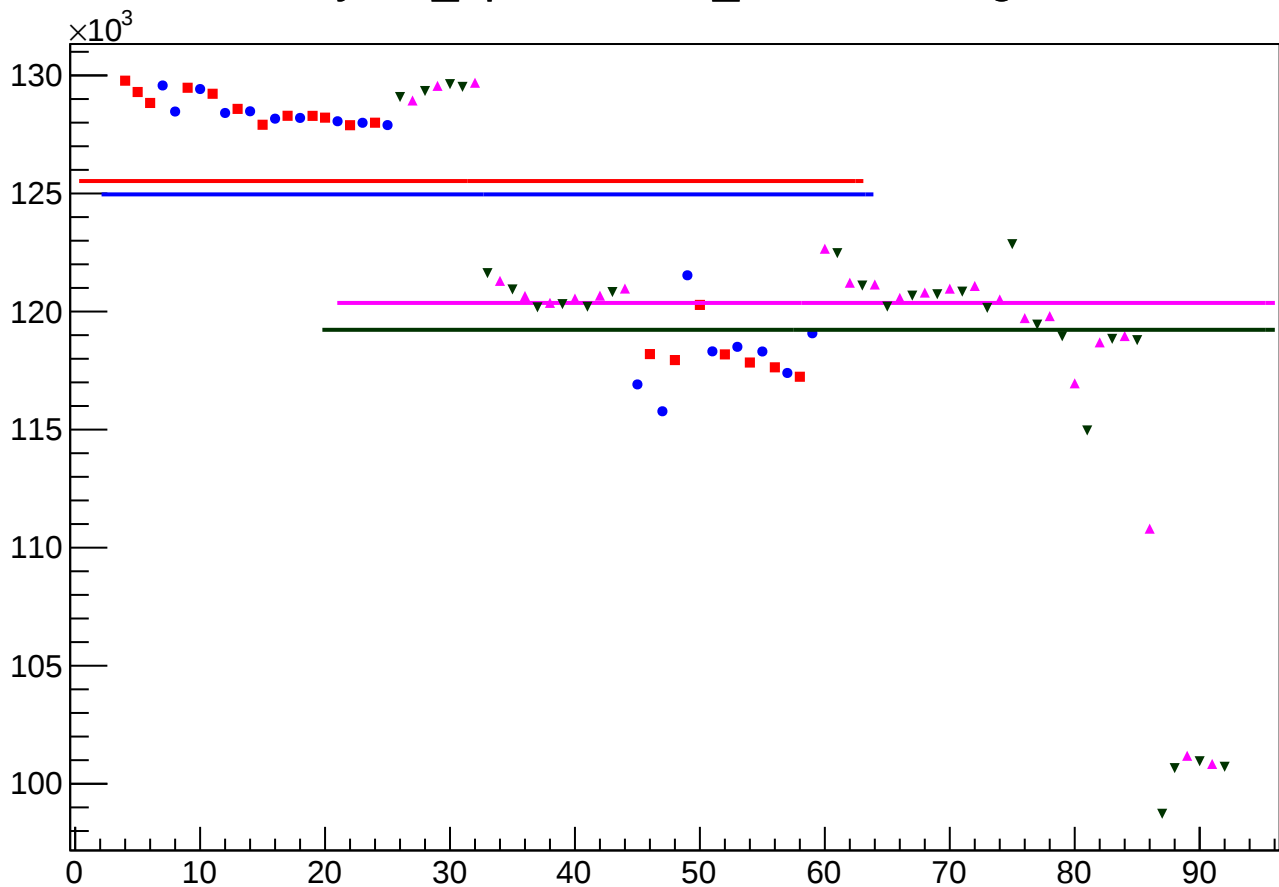
Right Out: 113.579 $\pm$ 0.026 χ^2 /NDF: 206805.2/18

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

120.441 $\pm$ 0.018 χ^2 /NDF: 831384.9/44

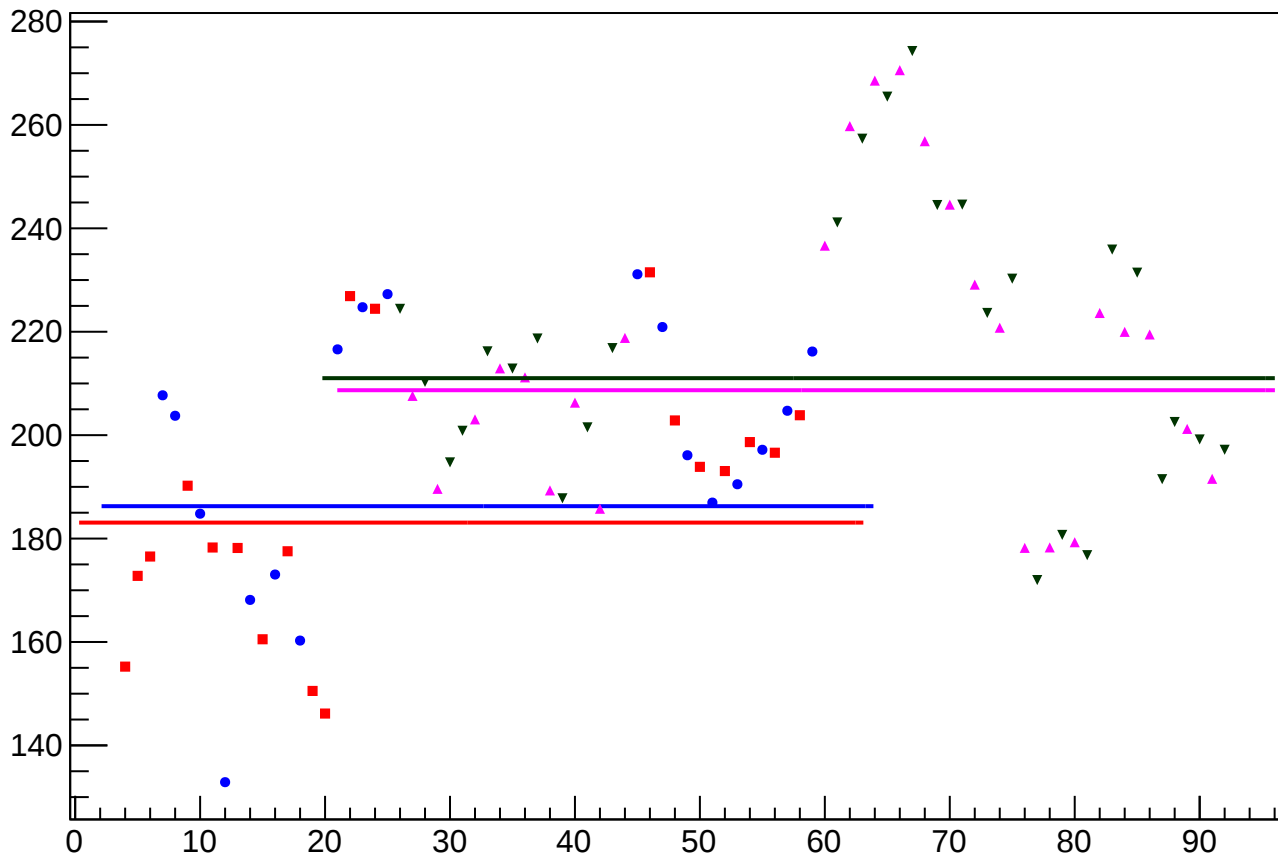
122.163 $\pm$ 0.018 χ^2 /NDF: 592279.0/43

yield_bpm0i07WS_mean vs slug



Right In: 124961.680 $\pm$ 0.057	χ^2 /NDF: 7216201458.1/17	122196.377 $\pm$ 0.041	χ^2 /NDF: 29851217412.9/4
Left Out: 119226.215 $\pm$ 0.059	χ^2 /NDF: 17716637909.0/26		
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 $\pm$ 0.040 χ^2 /NDF: 462392.0/17

Left Out: 211.022 $\pm$ 0.042 χ^2 /NDF: 375599.4/26

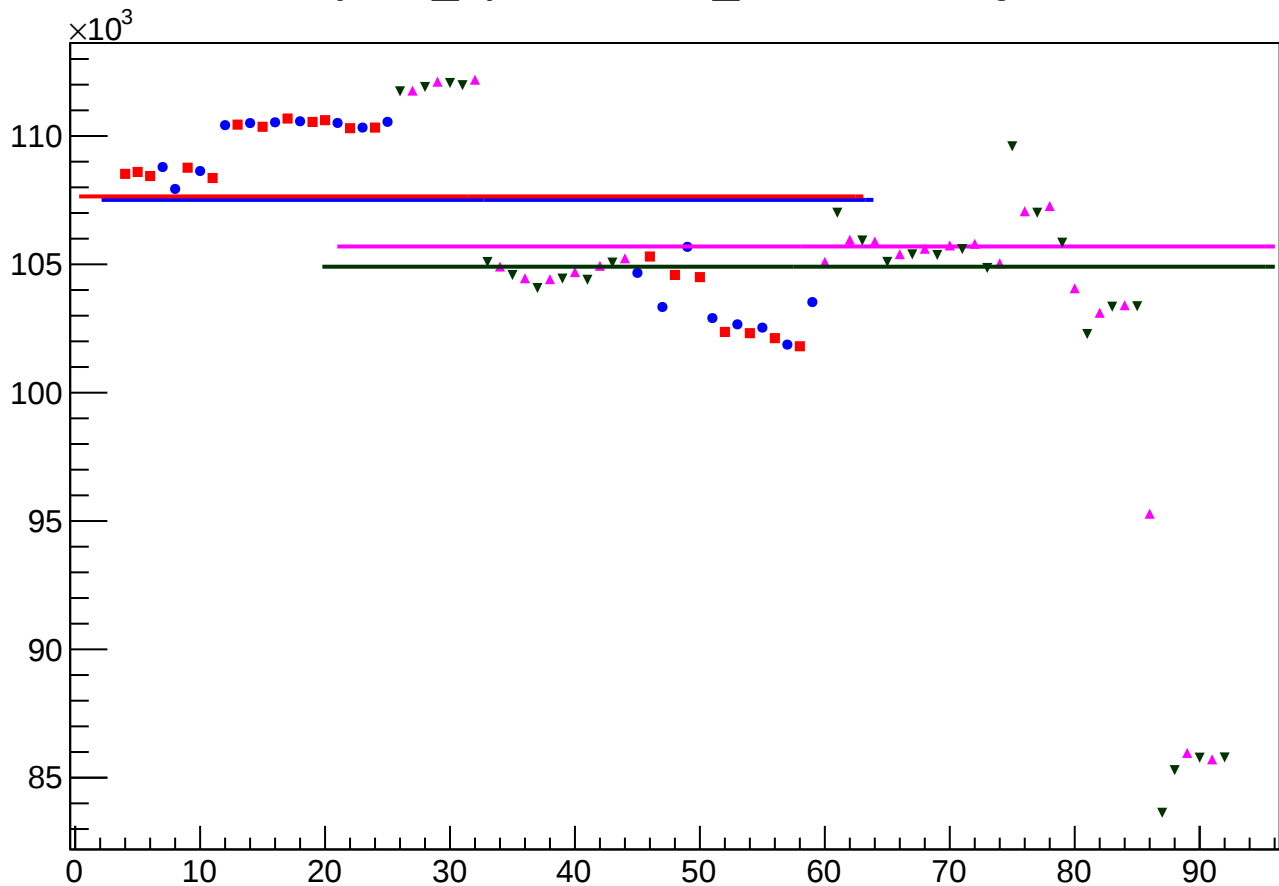
Right Out: 183.088 $\pm$ 0.042 χ^2 /NDF: 276420.3/18

Left In: 208.691 $\pm$ 0.040 χ^2 /NDF: 375671.8/24

198.200 $\pm$ 0.029 χ^2 /NDF: 1021295.1/44

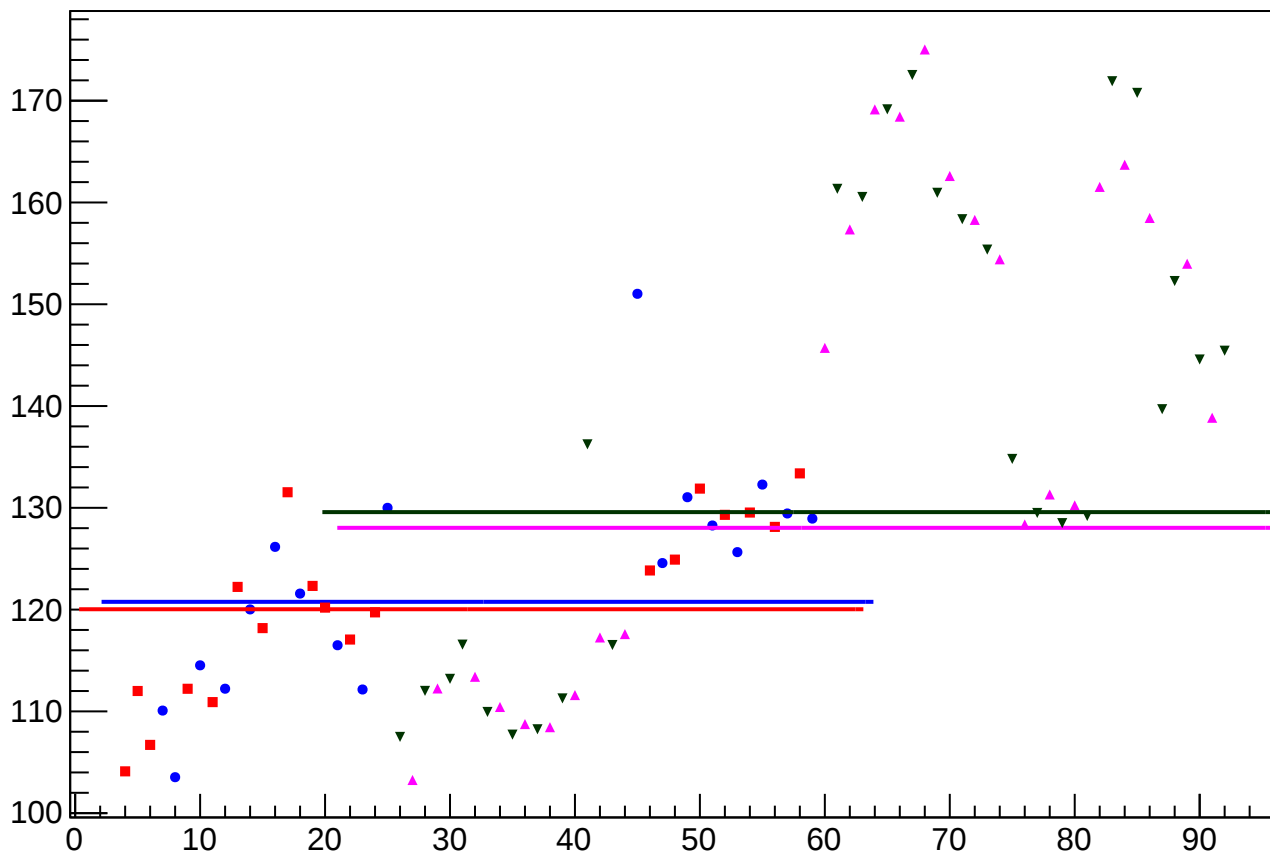
196.429 $\pm$ 0.029 χ^2 /NDF: 844761.1/43

yield_bpm0l01WS_mean vs slug



Right In: 107511.375 $\pm$ 0.037	χ^2 /NDF: 7545366390.6/17	106205.256 $\pm$ 0.026	χ^2 /NDF: 43203182705.5/4
Left Out: 104908.033 $\pm$ 0.036	χ^2 /NDF: 33118012312.6/26		
Right Out: 107646.372 $\pm$ 0.039	χ^2 /NDF: 6547636060.9/18	106577.514 $\pm$ 0.026	χ^2 /NDF: 36146182520.3/4
Left In: 105695.831 $\pm$ 0.035	χ^2 /NDF: 28222417281.1/24		

yield_bpm0l01WS_rms vs slug



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

Left Out: 129.578+/-0.026 χ^2/NDF : 712789.4/26

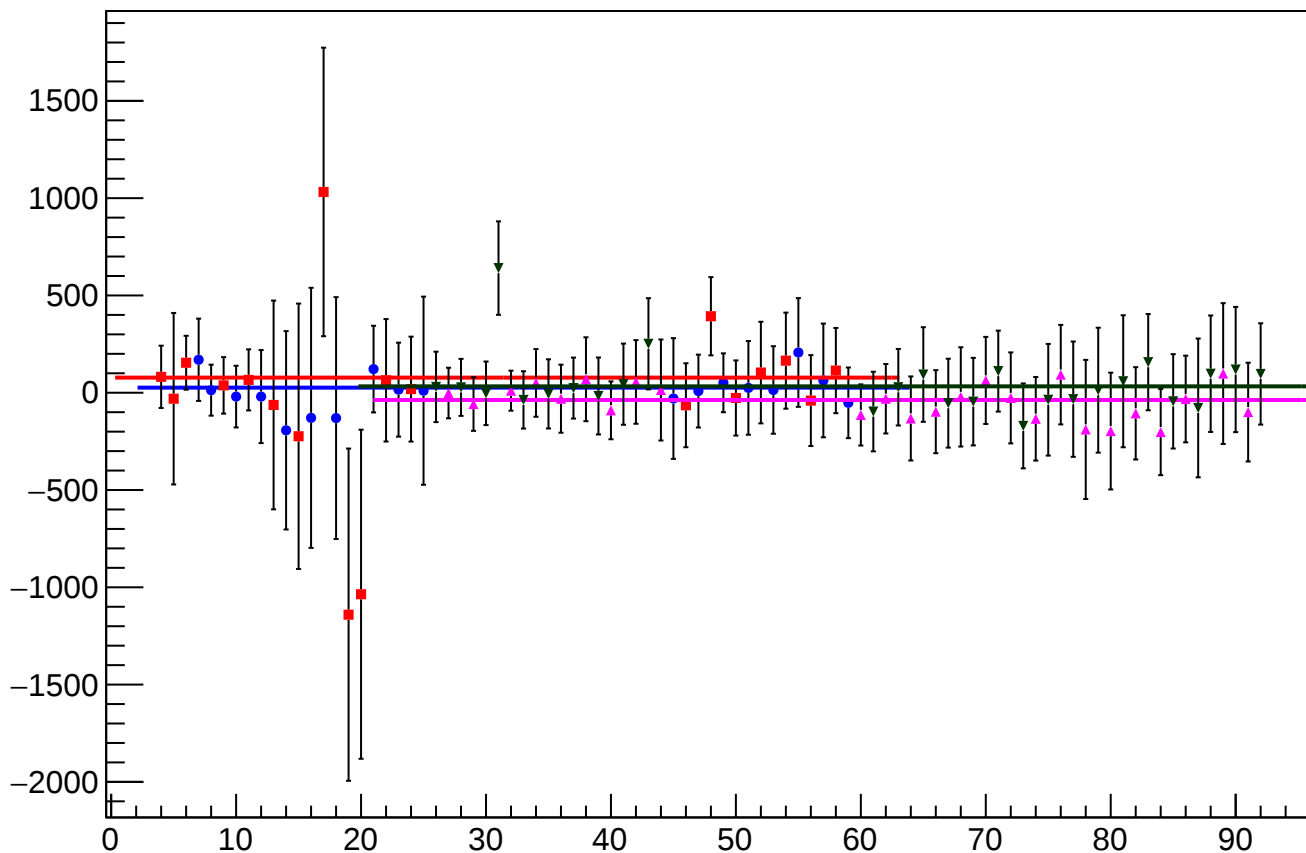
Right Out: 120.035+/-0.028 χ^2/NDF : 93920.3/18

Left In: 128.035+/-0.025 χ^2/NDF : 797527.7/24

125.186+/-0.018 χ^2/NDF : 926762.5/44

124.419+/-0.019 χ^2/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: 32.828+/-41.325 χ^2/NDF :10.2/26

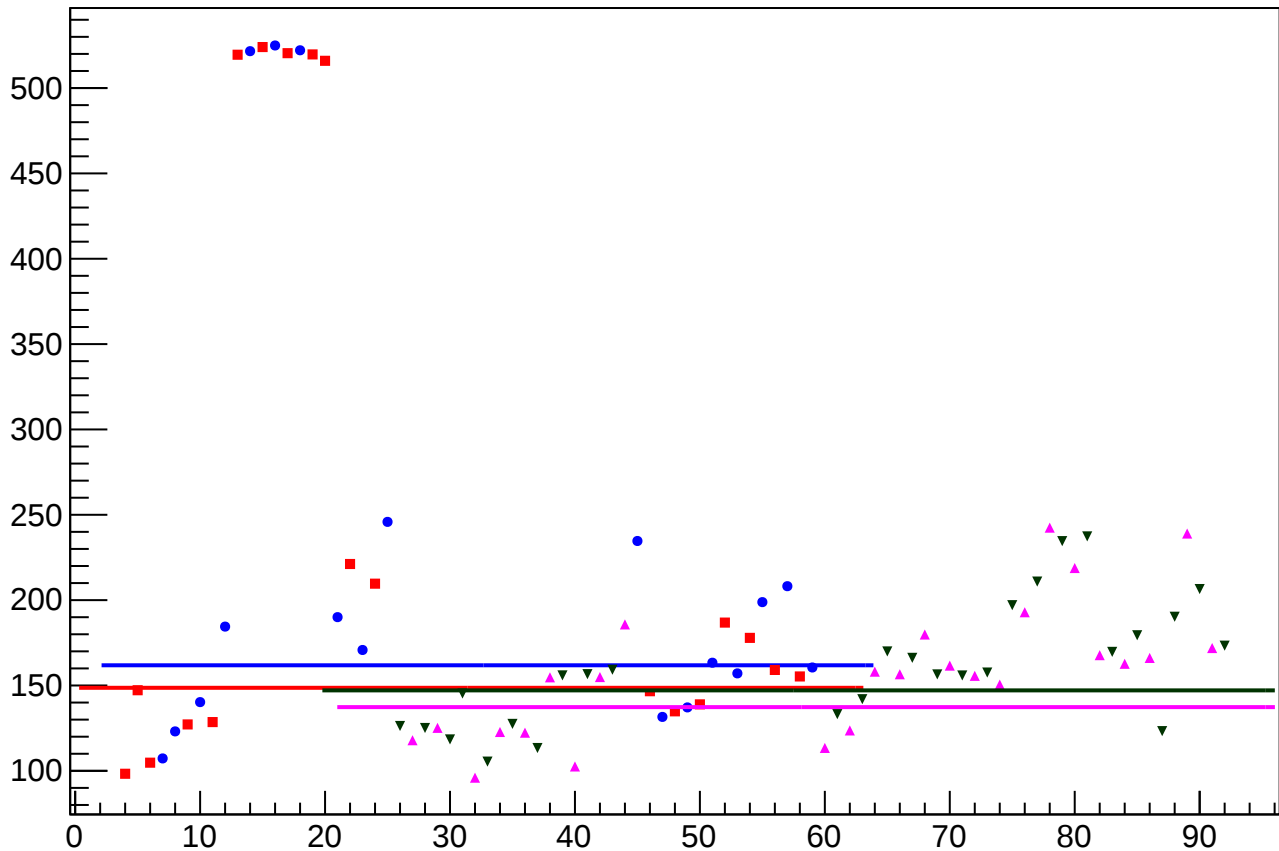
Right Out: 77.703+/-52.586 χ^2/NDF : 9.8/18

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

30.311+/-32.475 χ^2/NDF : 11.9/44

2.645+/-30.961 χ^2/NDF : 16.6/43

asym_bcm_an_ds_rms vs slug



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

Left Out: 147.132+/-0.029 χ^2/NDF :1112595.1/26

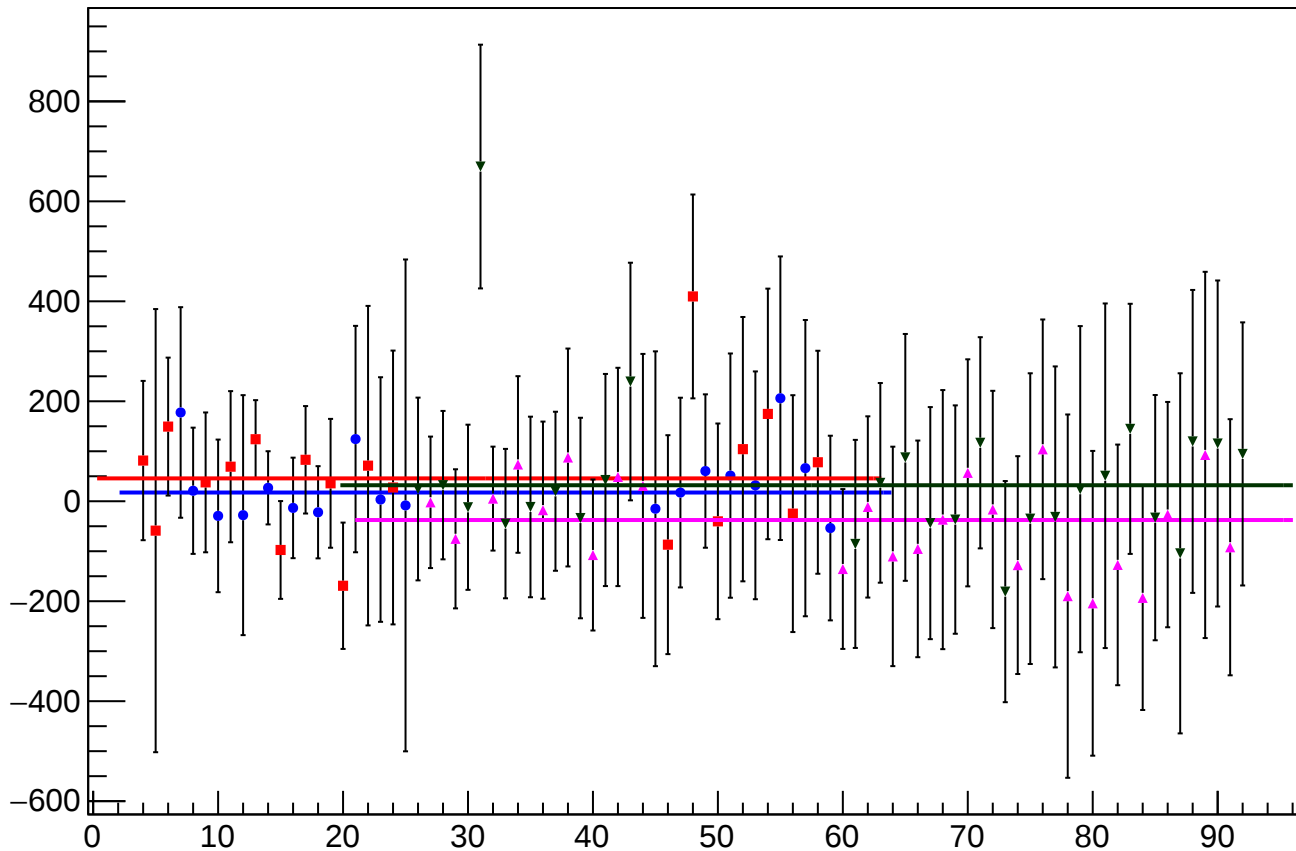
152.755+/-0.023 χ^2/NDF : 4228290.1/44

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

141.248+/-0.022 χ^2/NDF : 5167306.7/43

Left In: 137.323+/-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: 32.025 ± 41.913 $\chi^2/\text{NDF}: 10.5/26$

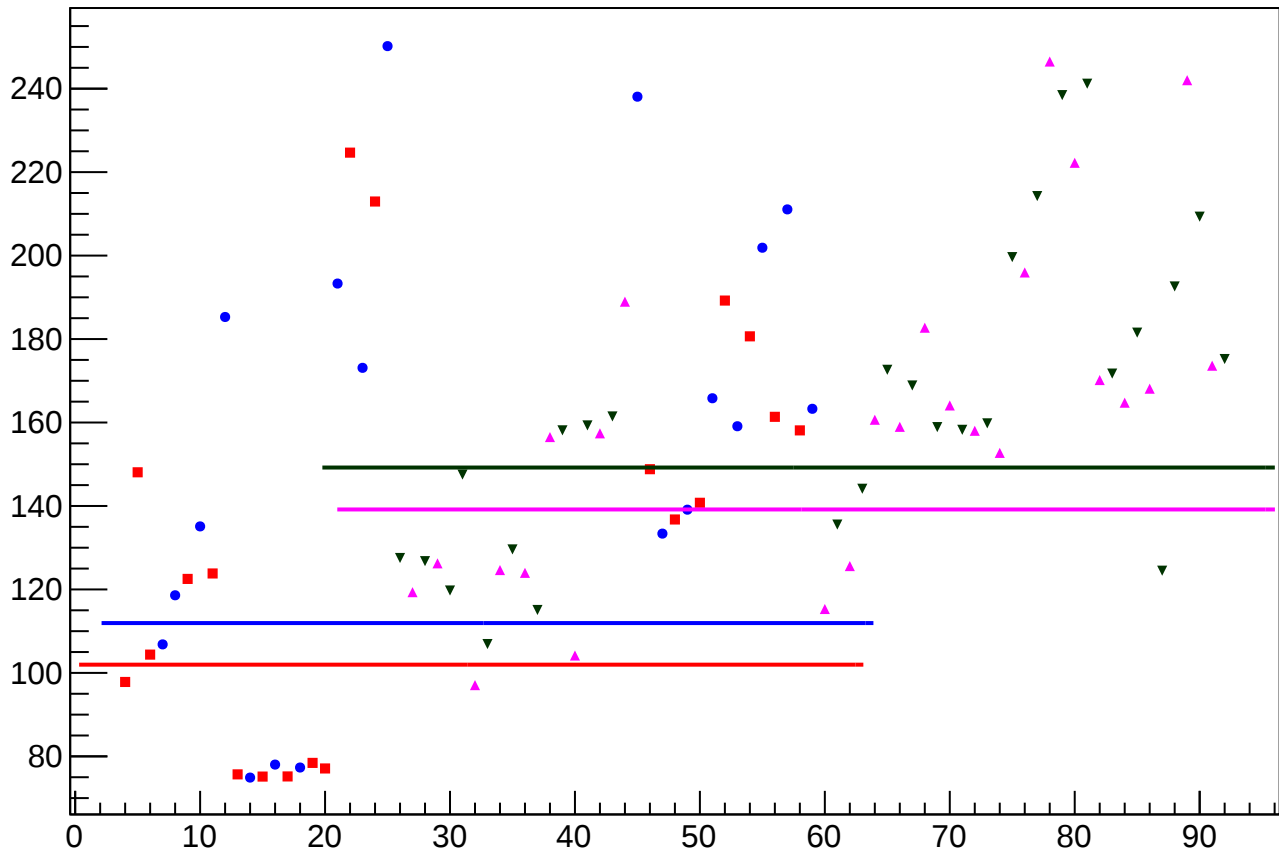
Right Out: 45.735 ± 34.677 $\chi^2/\text{NDF}: 11.0/18$

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

23.704 ± 27.445 $\chi^2/\text{NDF}: 12.5/44$

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: 149.213 $\pm$ 0.030 χ^2 /NDF: 1115583.3/26

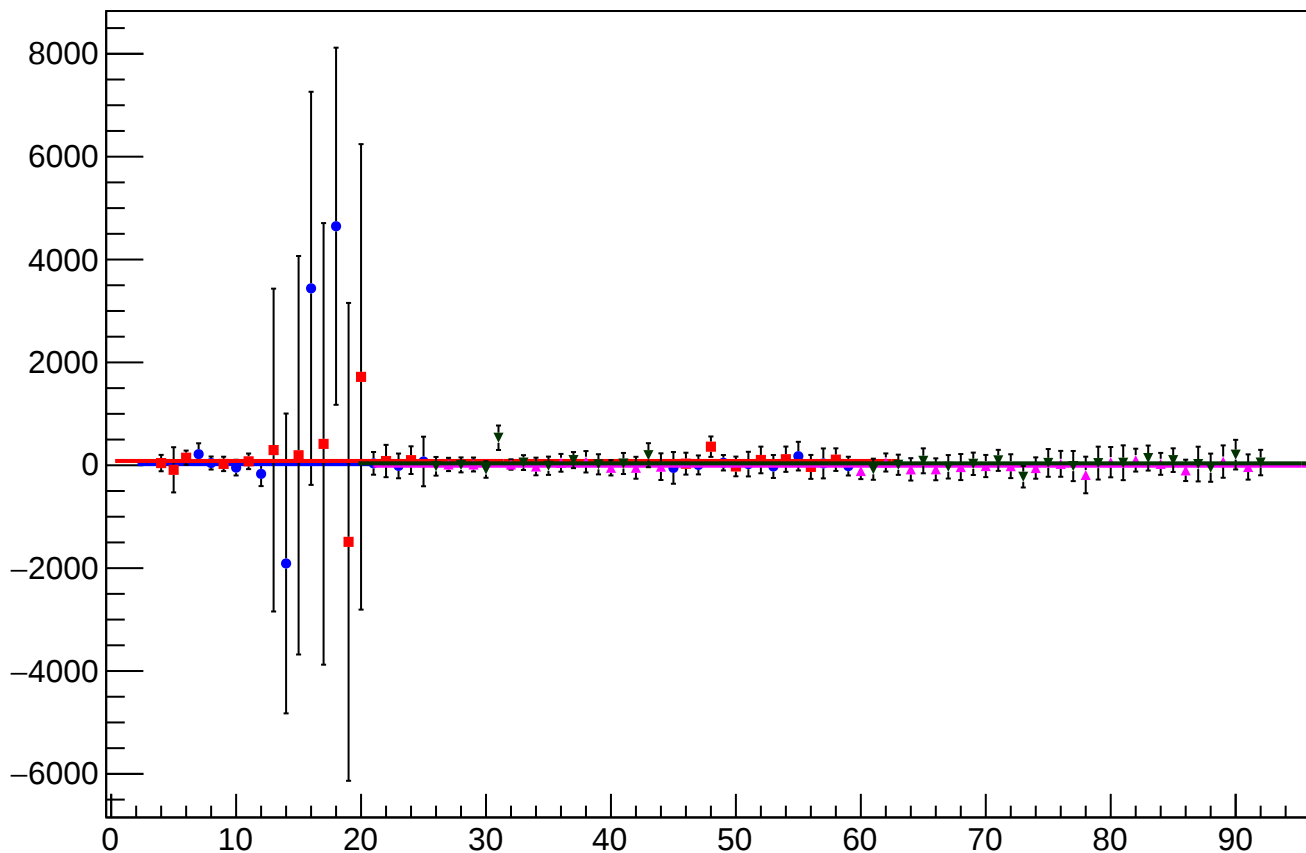
Right Out: 101.974 $\pm$ 0.025 χ^2 /NDF: 2271871.2/18

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

127.923 $\pm$ 0.019 χ^2 /NDF: 4991698.2/44

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

asym_bcm_an_us_mean vs slug



Right In: 21.772+/-52.365 χ^2/NDF : 5.3/17

Left Out: 37.888+/-40.588 χ^2/NDF : 8.6/26

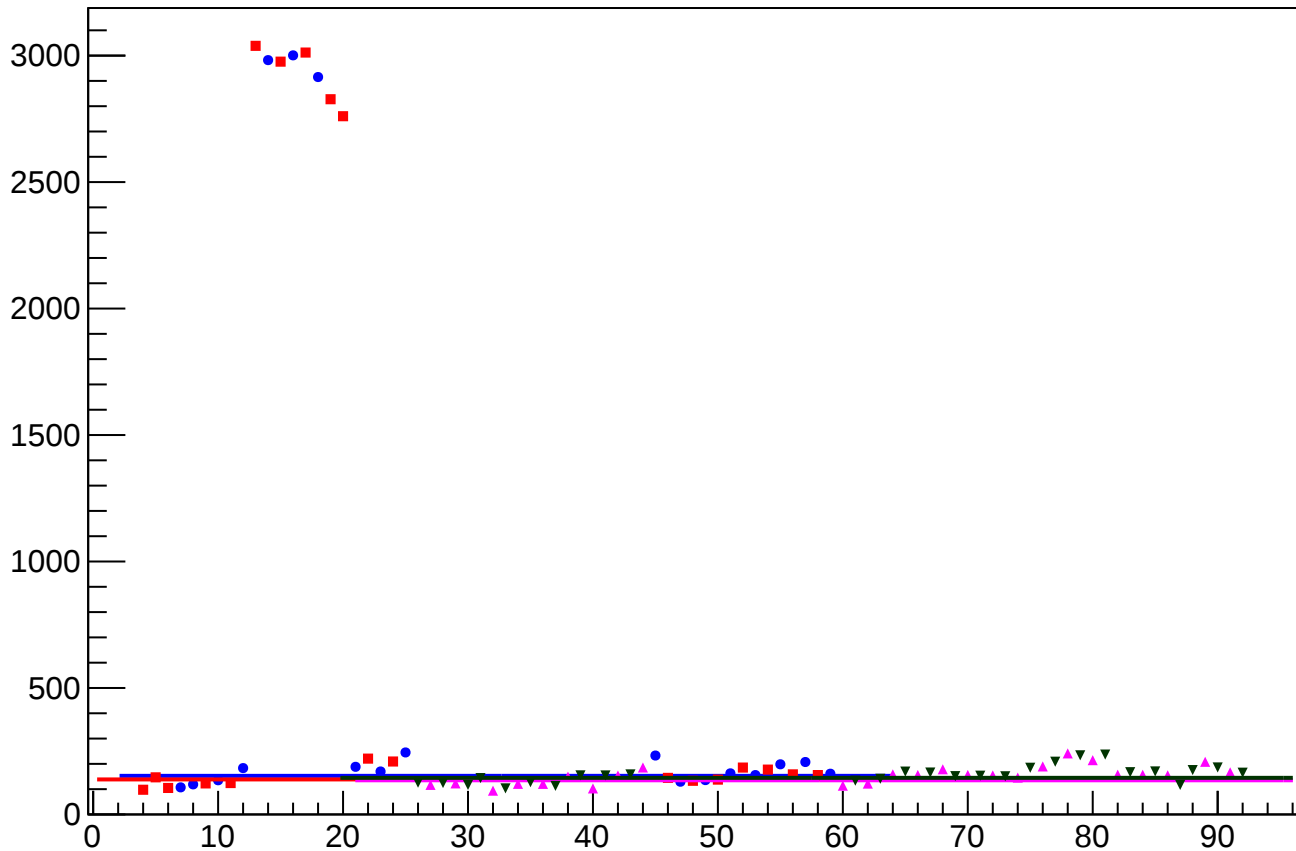
Right Out: 84.092+/-52.636 χ^2/NDF : 3.5/18

Left In: -9.015+/-37.600 χ^2/NDF : 2.2/24

31.839+/-32.080 χ^2/NDF : 13.9/44

22.444+/-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: 144.735+/-0.029 χ^2/NDF : 1034937.2/26

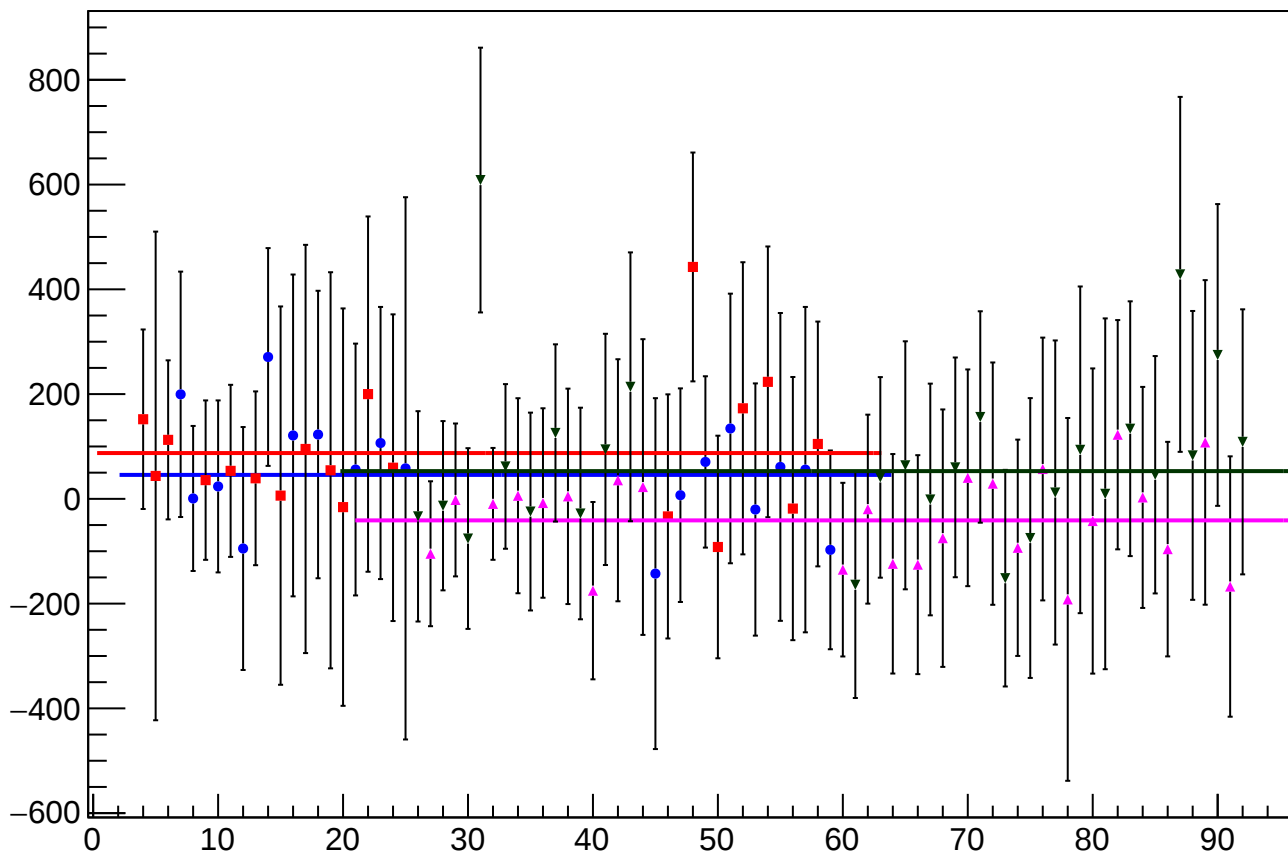
147.697+/-0.023 χ^2/NDF : 6080956.0/44

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: 52.959+/-42.083 χ^2/NDF : 11.3/26

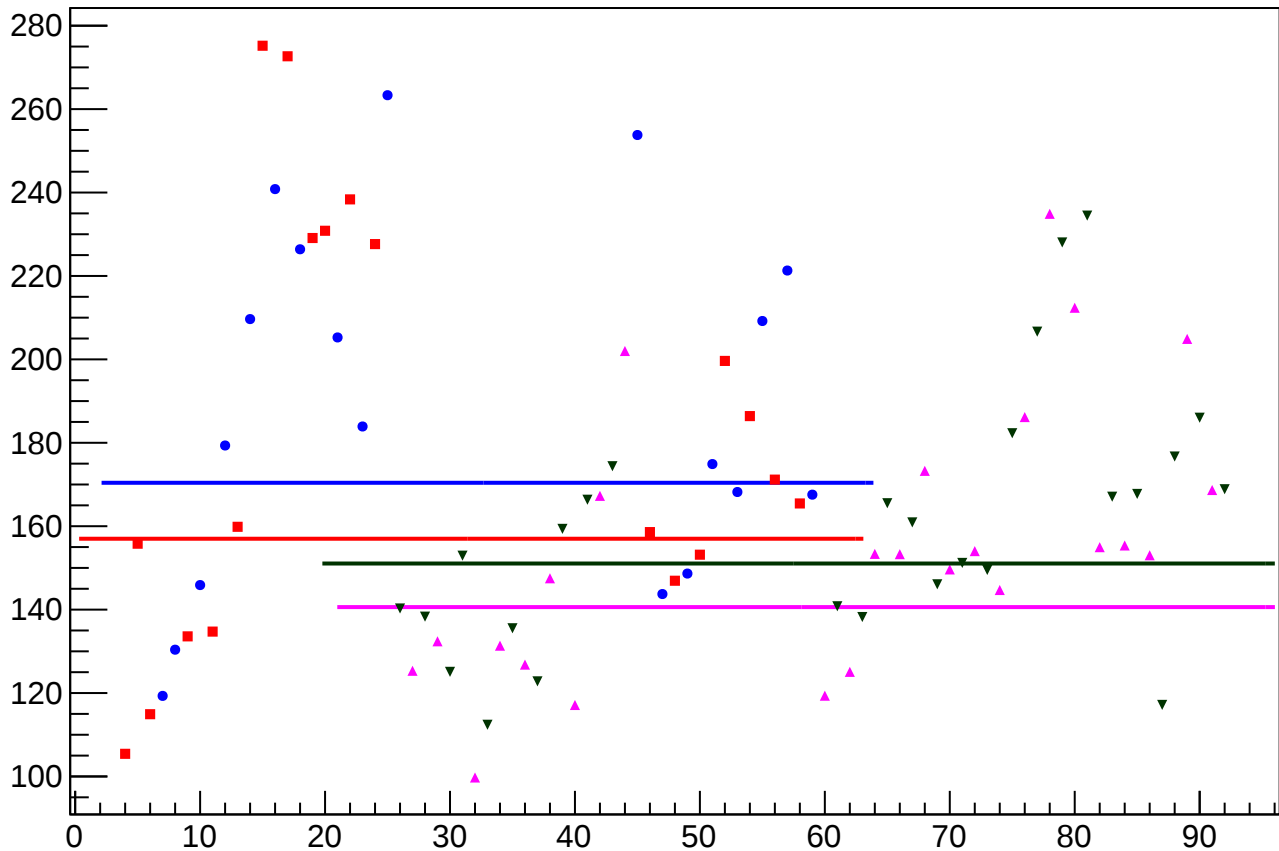
Right Out: 87.434+/-51.940 χ^2/NDF : 4.9/18

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

50.141+/-32.861 χ^2/NDF : 14.7/44

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: 151.056 $\pm$ 0.030 χ^2 /NDF: 752462.4/26

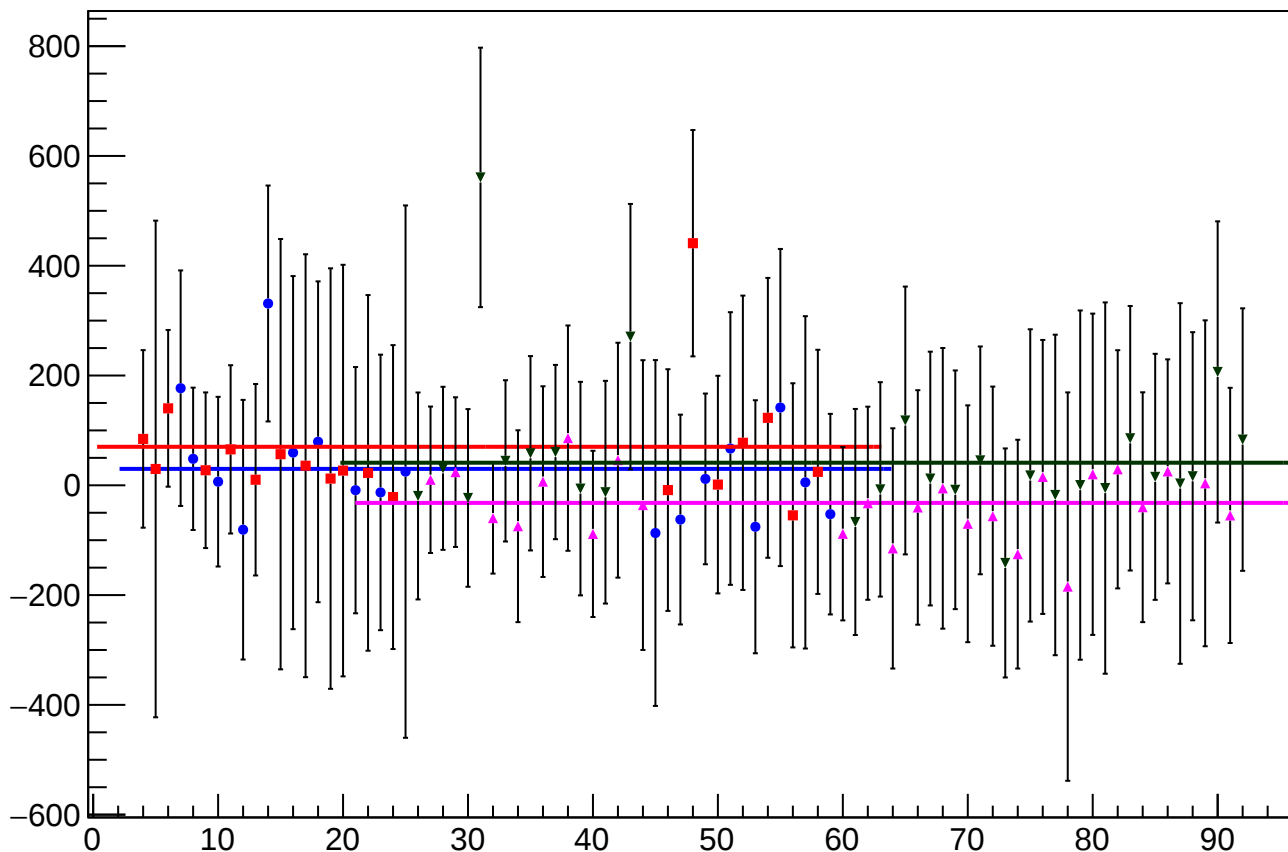
158.609 $\pm$ 0.023 χ^2 /NDF: 1882254.1/44

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: 41.140+/-40.683 $\chi^2/\text{NDF}: 8.0/26$

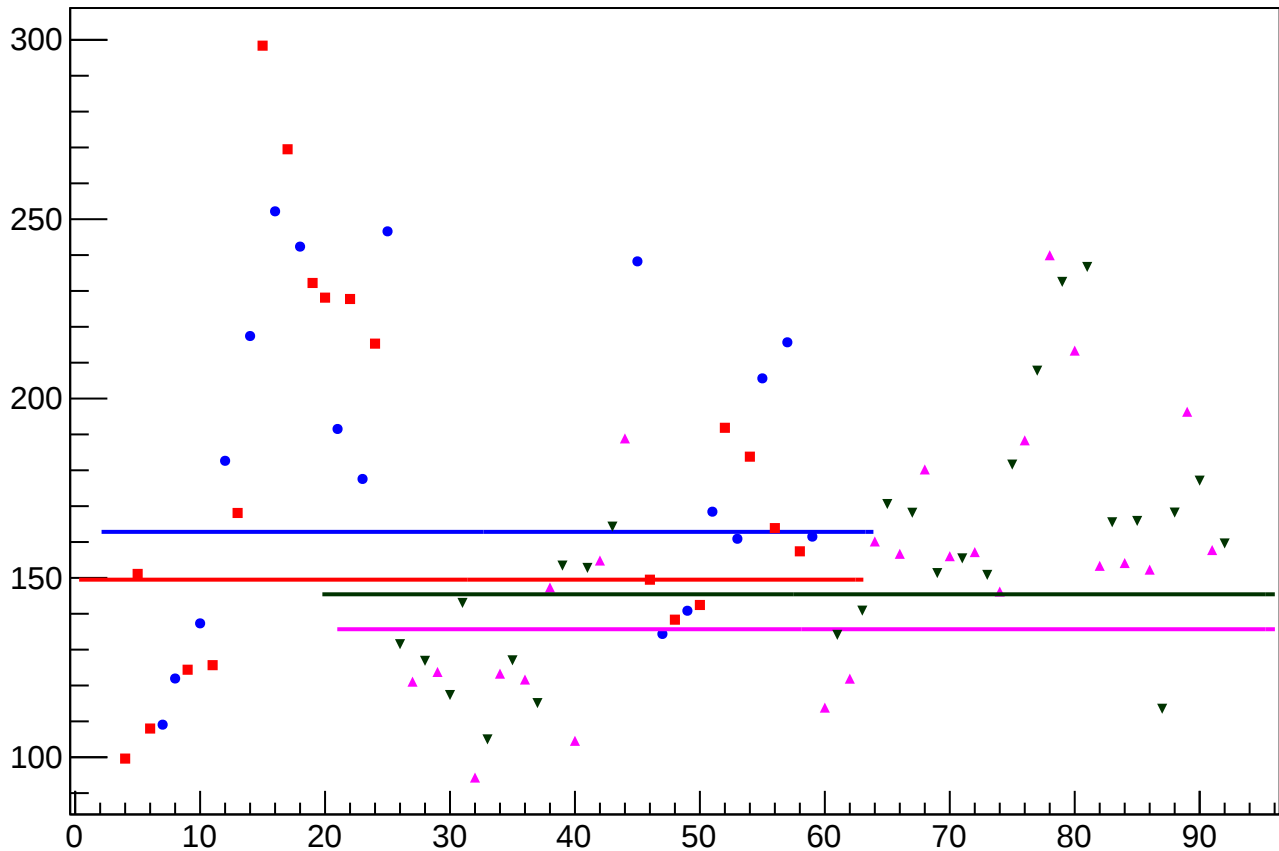
Right Out: 70.155+/-49.782 $\chi^2/\text{NDF}: 4.5/18$

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

36.733+/-31.704 $\chi^2/\text{NDF}: 11.8/44$

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: 145.426+/-0.029 χ^2/NDF :944099.1/26

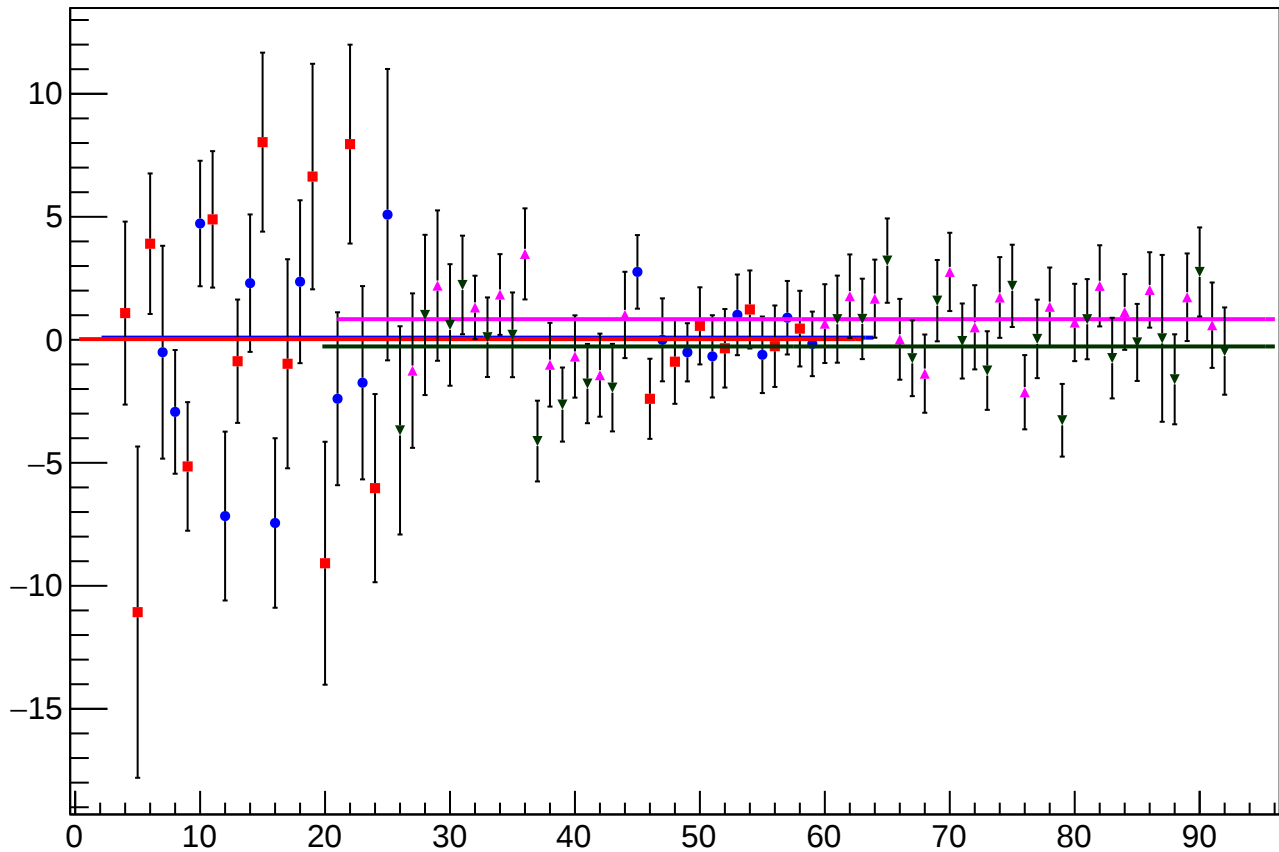
152.262+/-0.022 χ^2/NDF : 2316911.5/44

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: -0.270 ± 0.337 χ^2/NDF : 29.3/26

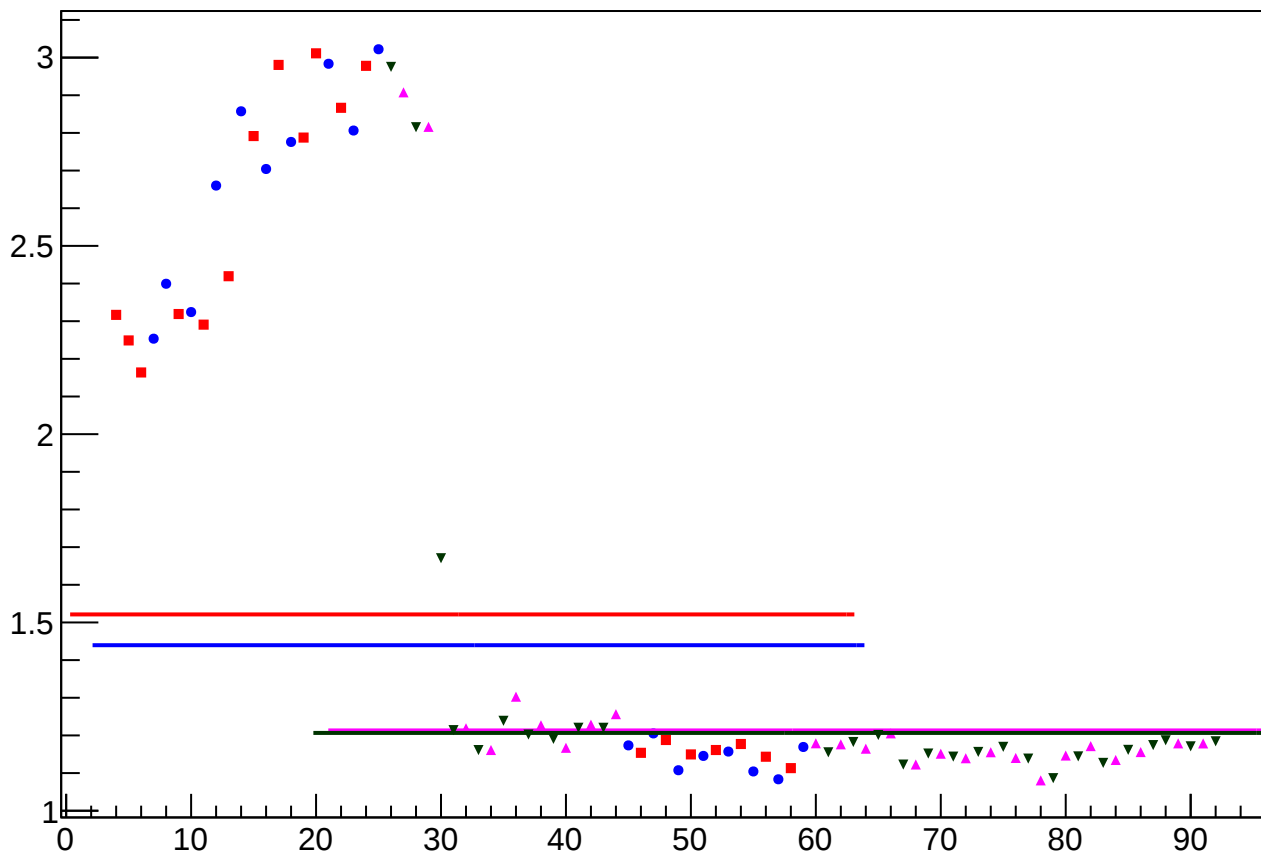
Right Out: 0.028 ± 0.520 χ^2/NDF : 31.9/18

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

-0.146 ± 0.273 χ^2/NDF : 50.8/44

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:954513.4/26

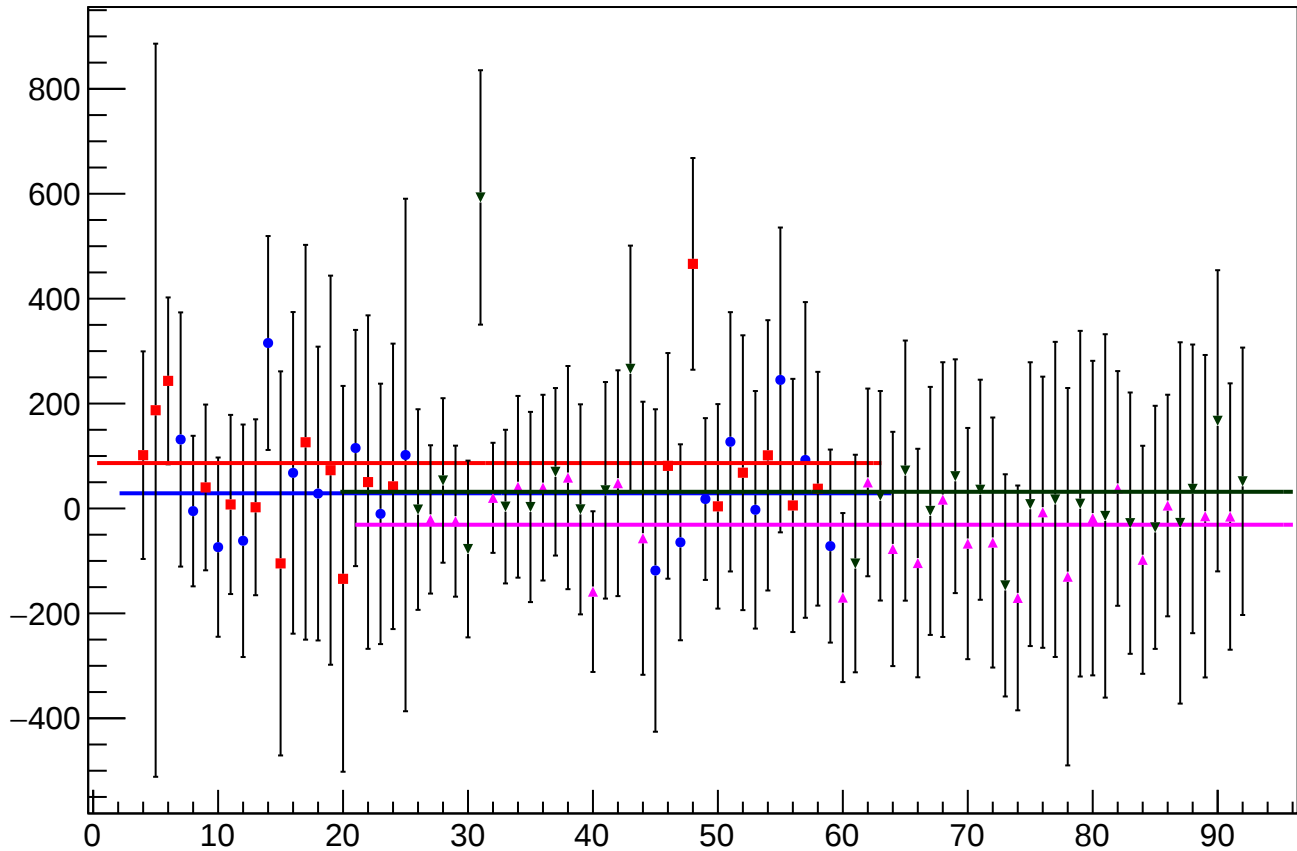
Right Out: 1.521 $\pm$ 0.000 χ^2 /NDF: 2870549.2/18

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

1.287 $\pm$ 0.000 χ^2 /NDF: 4692507.1/44

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: 31.790 ± 41.638 χ^2/NDF : 8.6/26

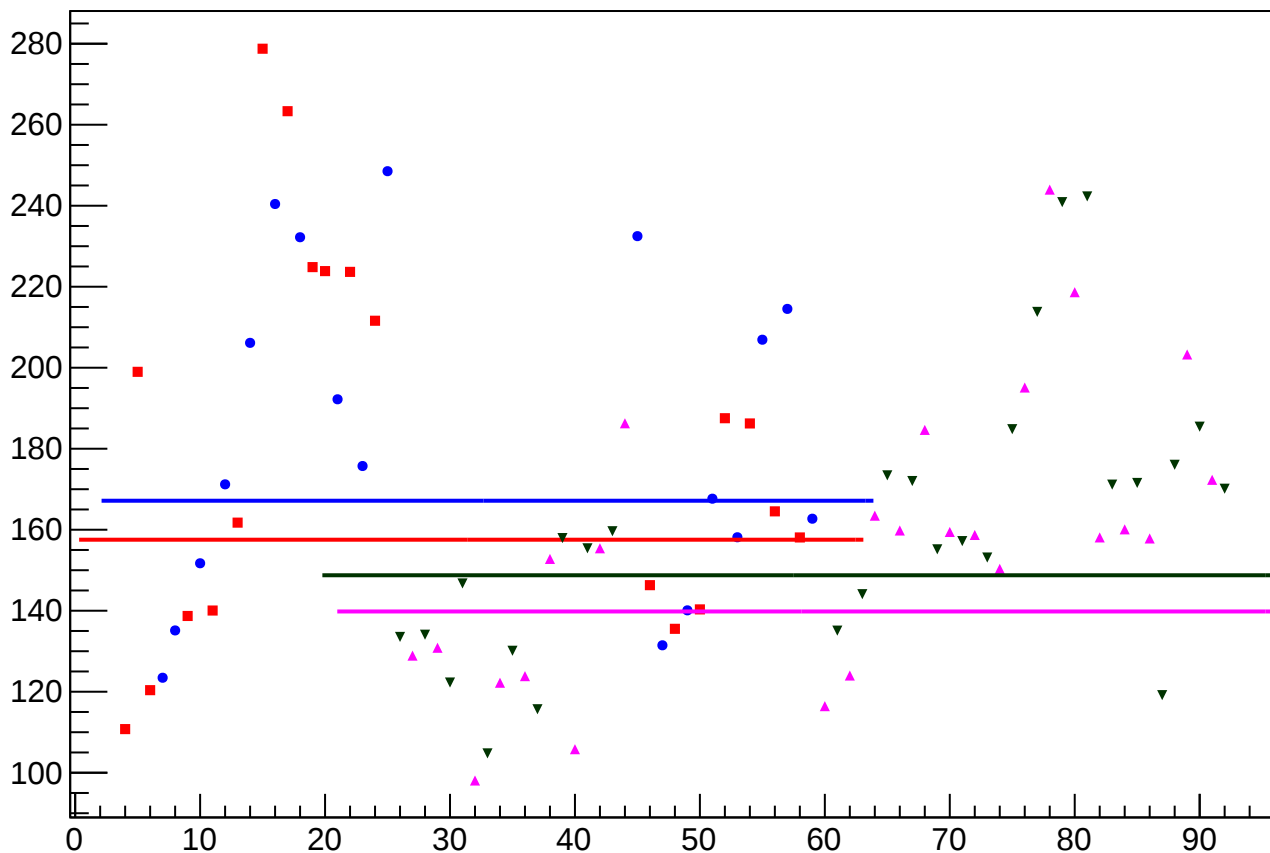
Right Out: 86.558 ± 52.059 χ^2/NDF : 6.1/18

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

30.659 ± 32.374 χ^2/NDF : 13.1/44

10.982 ± 31.110 χ^2/NDF : 12.9/43

asym_cav4cQ_rms vs slug



Right In: 167.159+/-0.036 χ^2/NDF : 875808.6/17

Left Out: 148.756+/-0.029 χ^2/NDF : 980384.0/26

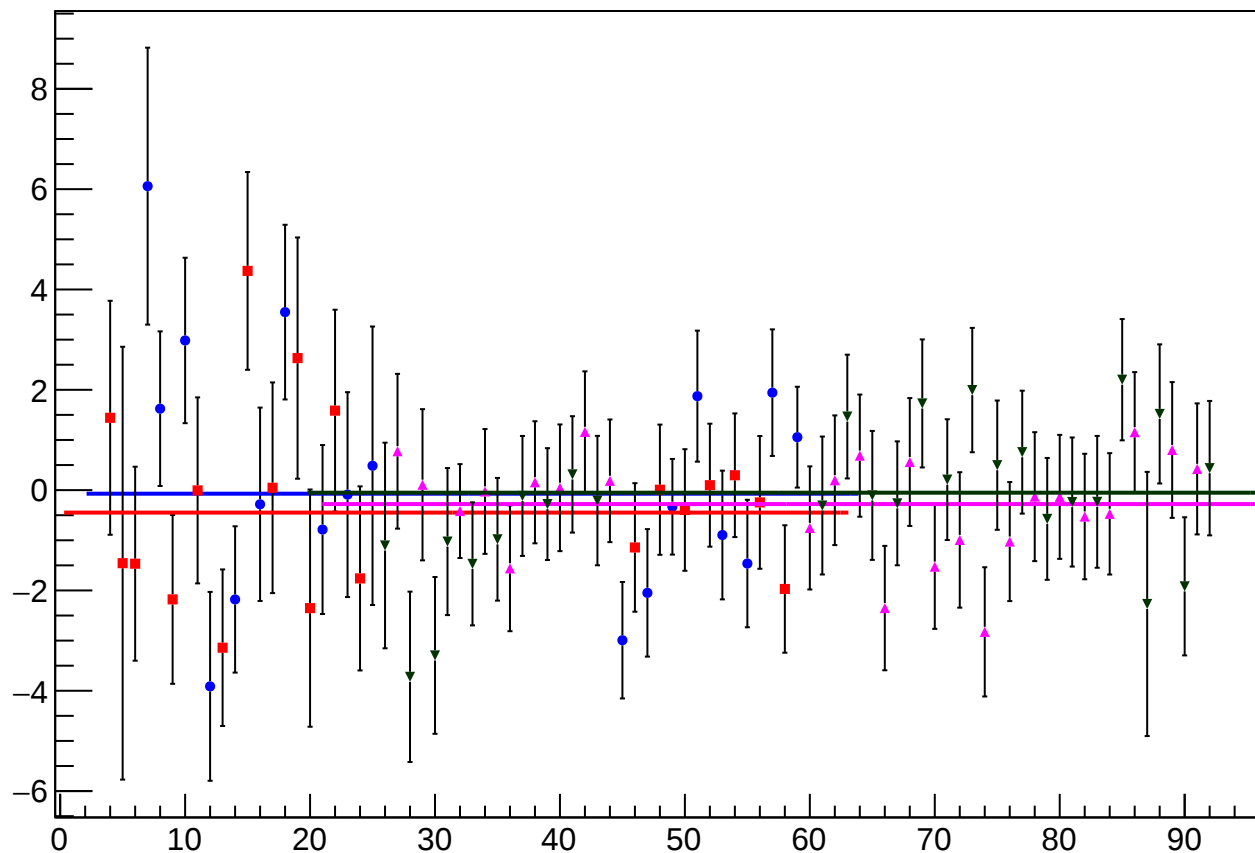
Right Out: 157.534+/-0.037 χ^2/NDF : 1049684.2/18

Left In: 139.816+/-0.027 χ^2/NDF : 1302888.2/24

156.034+/-0.023 χ^2/NDF : 2010705.0/44

146.143+/-0.022 χ^2/NDF : 2501520.8/43

asym_cav4dQ_mean vs slug



Right In: -0.071 $\pm$ 0.335 χ^2 /NDF: 36.8/17

Left Out: -0.051 $\pm$ 0.253 χ^2 /NDF: 26.3/26

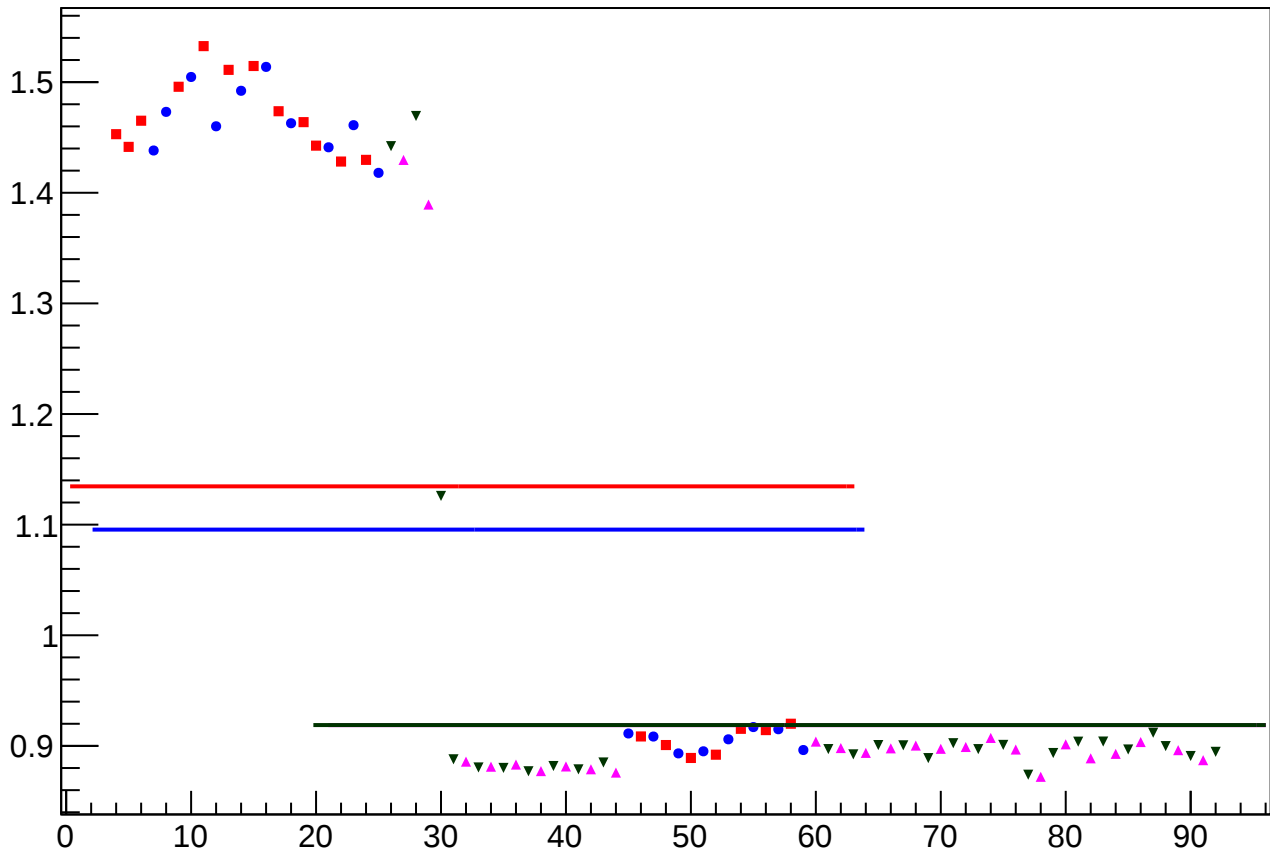
Right Out: -0.448 $\pm$ 0.369 χ^2 /NDF: 17.4/18

Left In: -0.278 $\pm$ 0.249 χ^2 /NDF: 15.6/24

-0.059 $\pm$ 0.202 χ^2 /NDF: 63.2/44

-0.331 $\pm$ 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: 0.919+/-0.000 χ^2/NDF : 400253.9/26

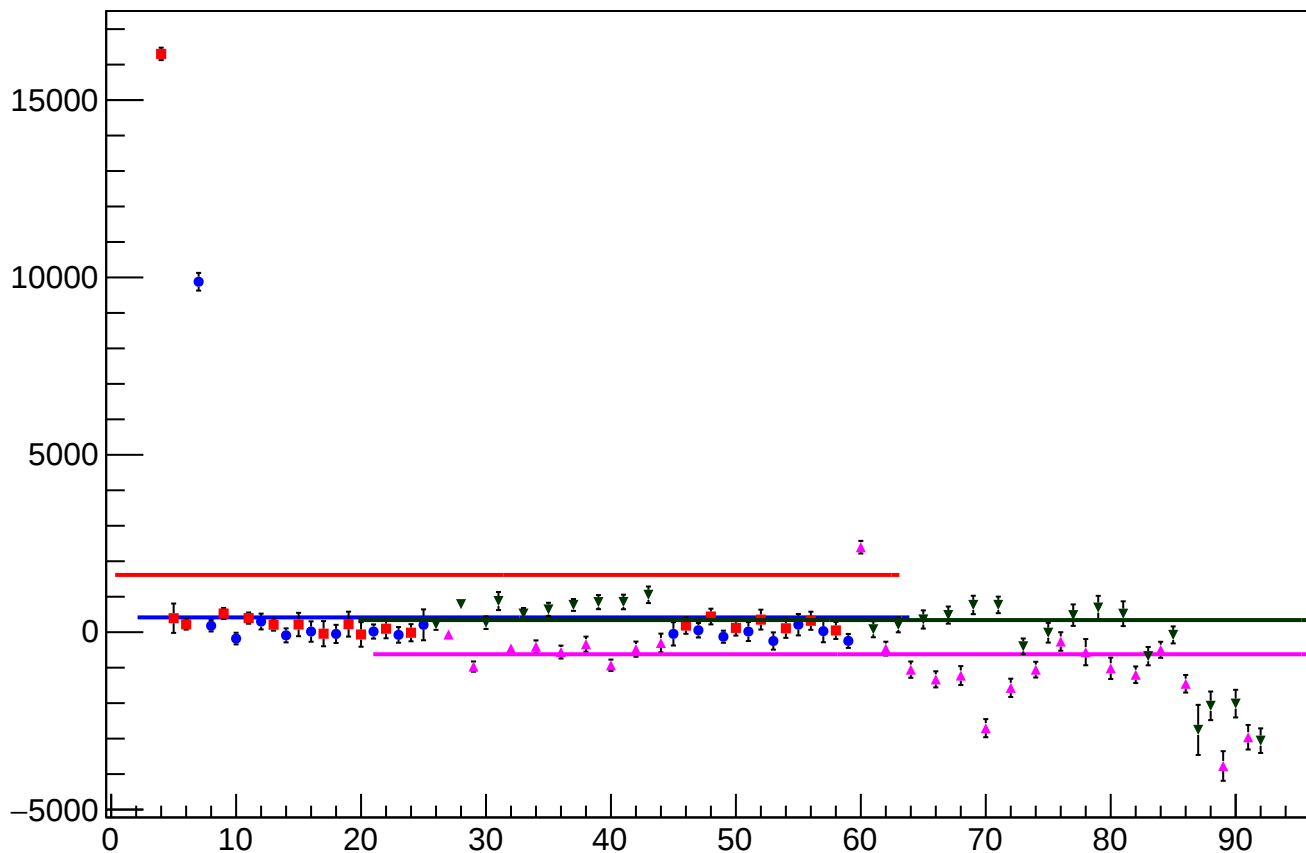
0.983+/-0.000 χ^2/NDF : 2042471.2/44

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: 341.663+/-43.299 χ^2/NDF : 276.2/26

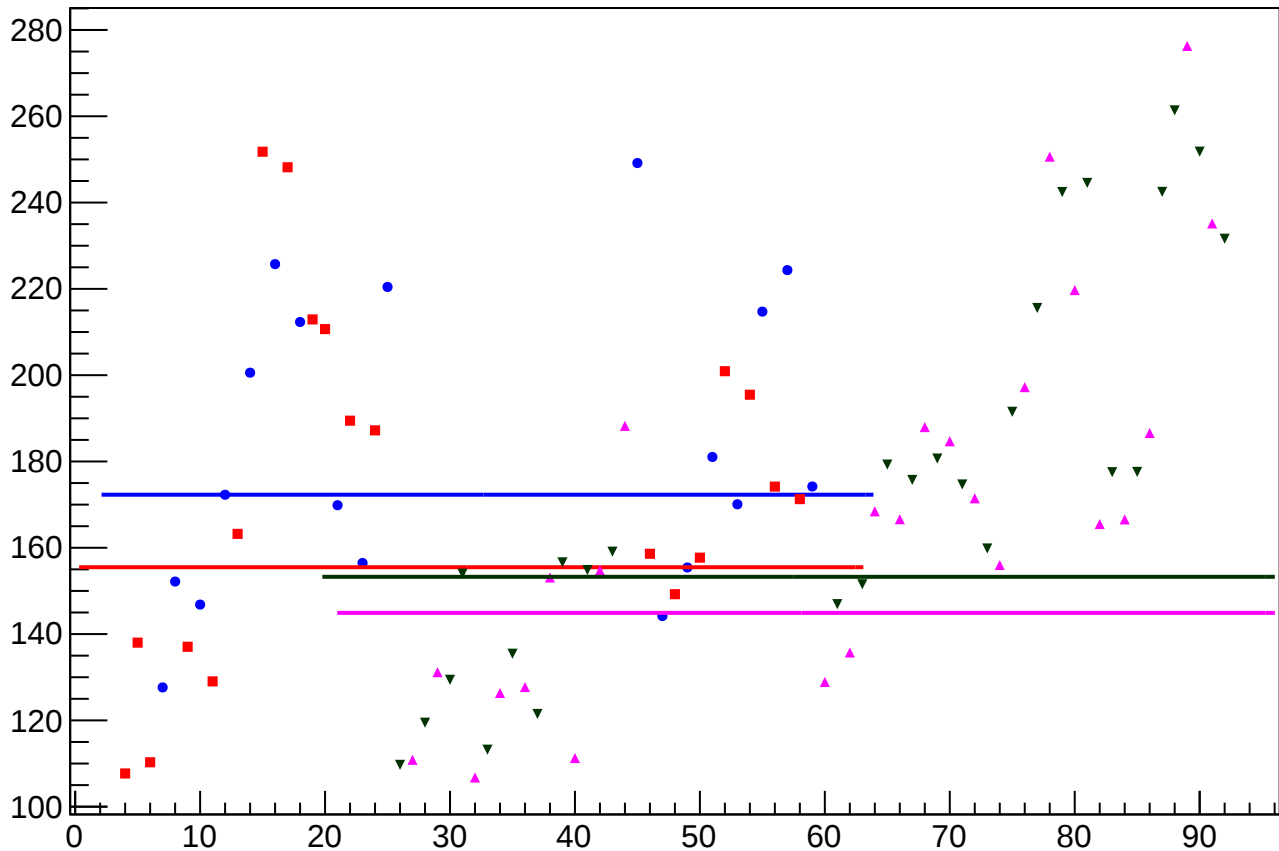
Right Out: 1614.499+/-51.138 χ^2/NDF : 7665.3/18

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

372.143+/-33.439 χ^2/NDF : 1785.4/44

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: 153.270 ± 0.031 χ^2/NDF : 1451922.6/26

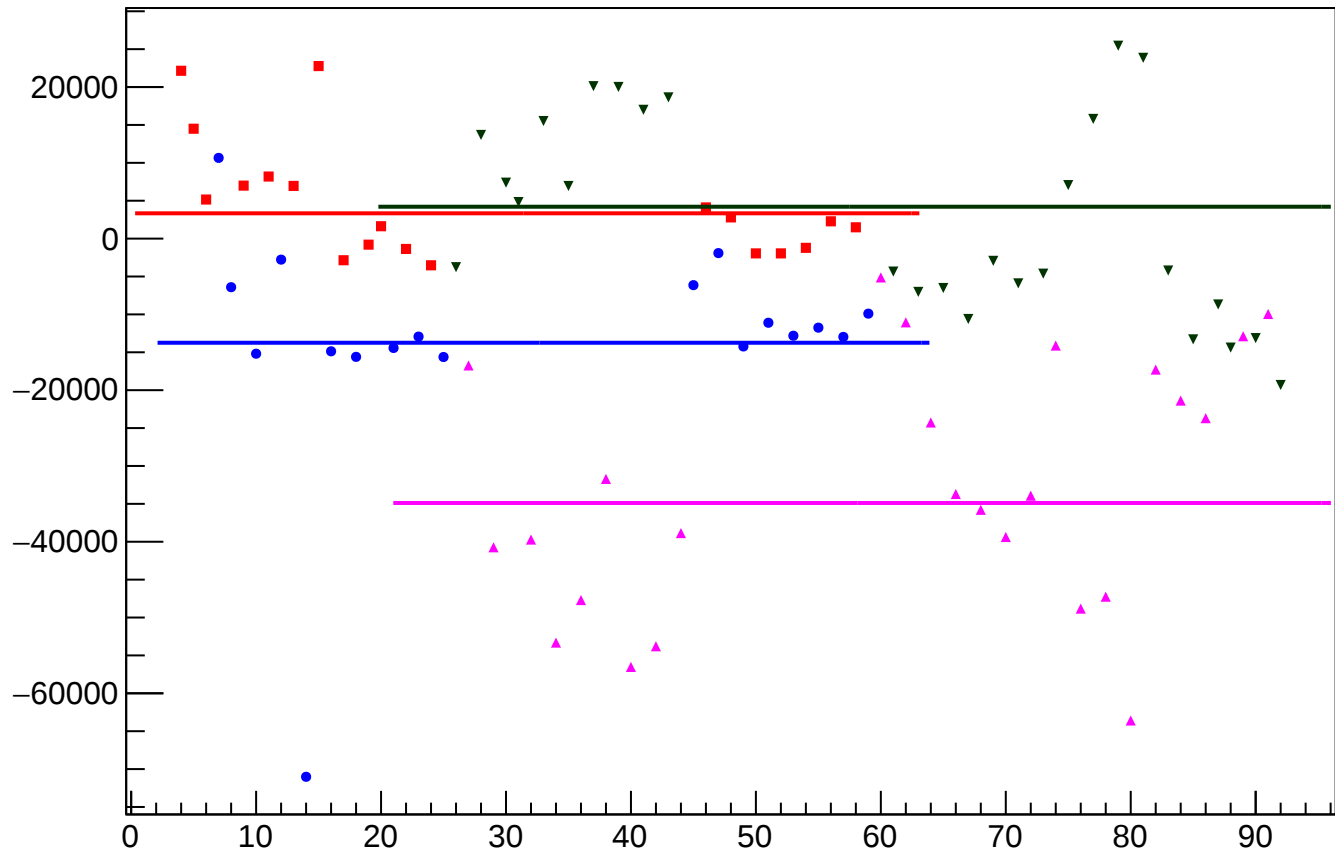
160.951 ± 0.024 χ^2/NDF : 2208716.2/44

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

148.979 ± 0.022 χ^2/NDF : 2638170.2/43

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

asym_bpm2i01WS_mean vs slug



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

Left Out: 4208.413+/-26.604 χ^2/NDF : 236705.8/26

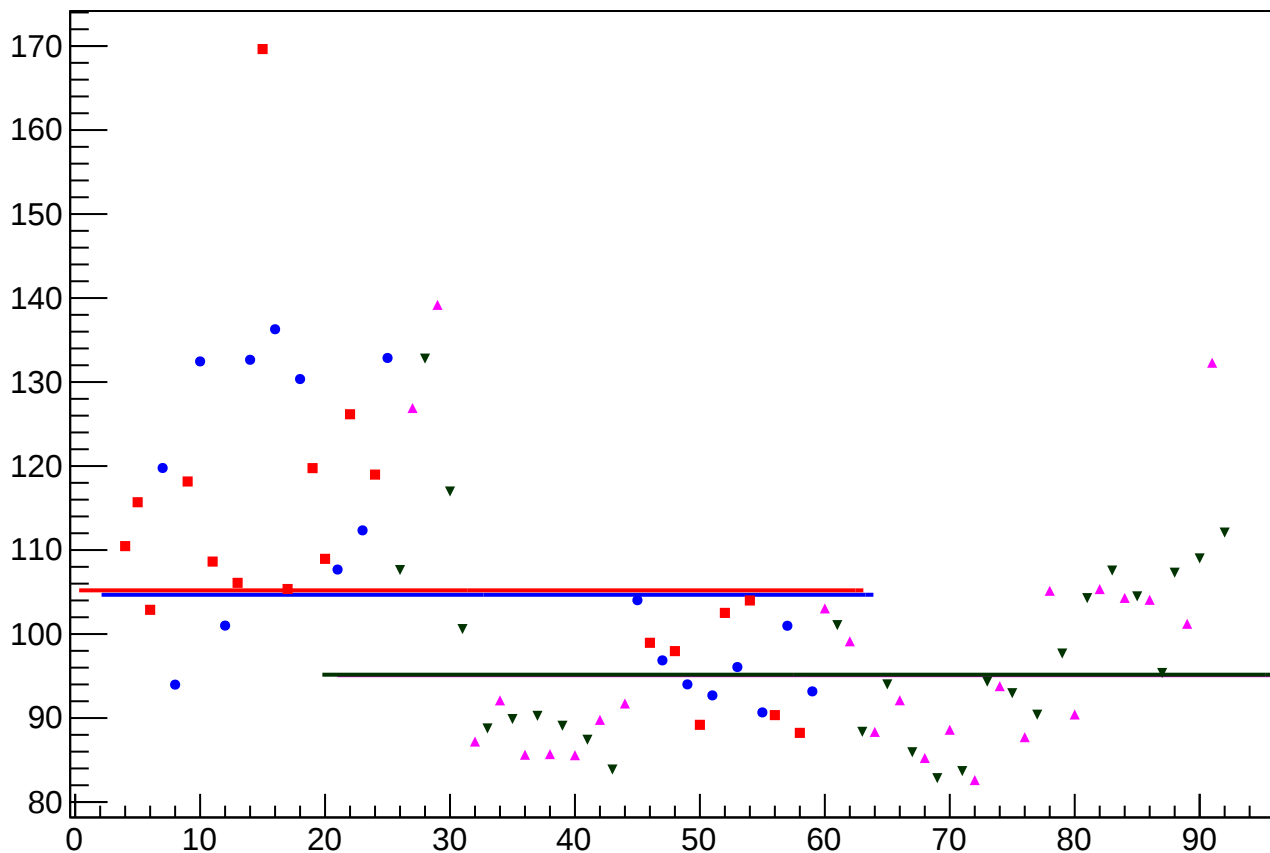
-3113.256+/-20.471 χ^2/NDF : 644588.7/44

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

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

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

asym_bpm2i01WS_rms vs slug



Right In: 104.677 $\pm$ 0.023 χ^2 /NDF: 431749.6/17

Left Out: 95.160 $\pm$ 0.019 χ^2 /NDF:339758.1/26

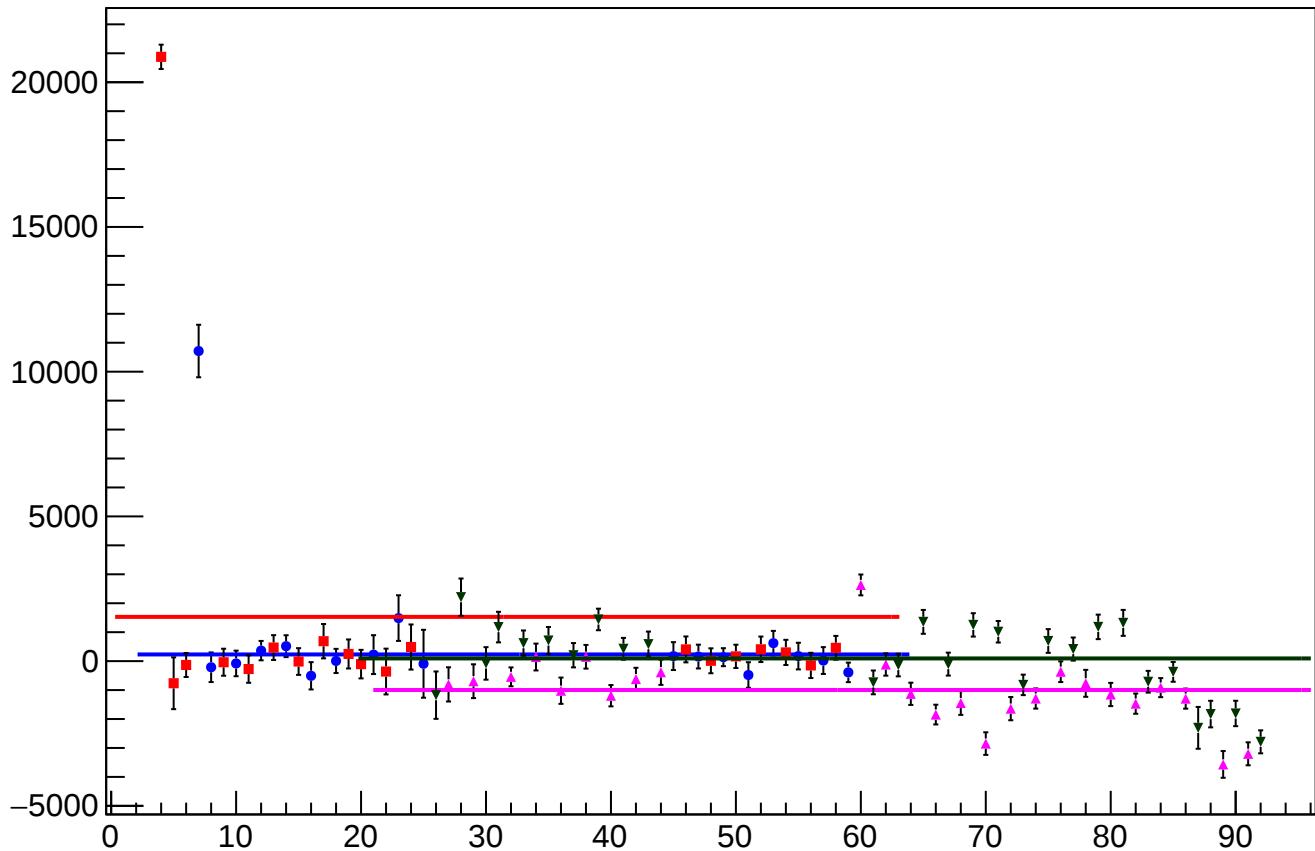
99.042 $\pm$ 0.014 χ^2 /NDF: 875894.3/44

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

98.833 $\pm$ 0.015 χ^2 /NDF: 935170.5/43

Left In: 95.101 $\pm$ 0.019 χ^2 /NDF:488847.9/24

asym_bpm0i07WS_mean vs slug



Right In: 230.965 $\pm$ 105.235 χ^2 /NDF: 148.0/17

Left Out: 92.954 $\pm$ 82.100 χ^2 /NDF:194.4/26

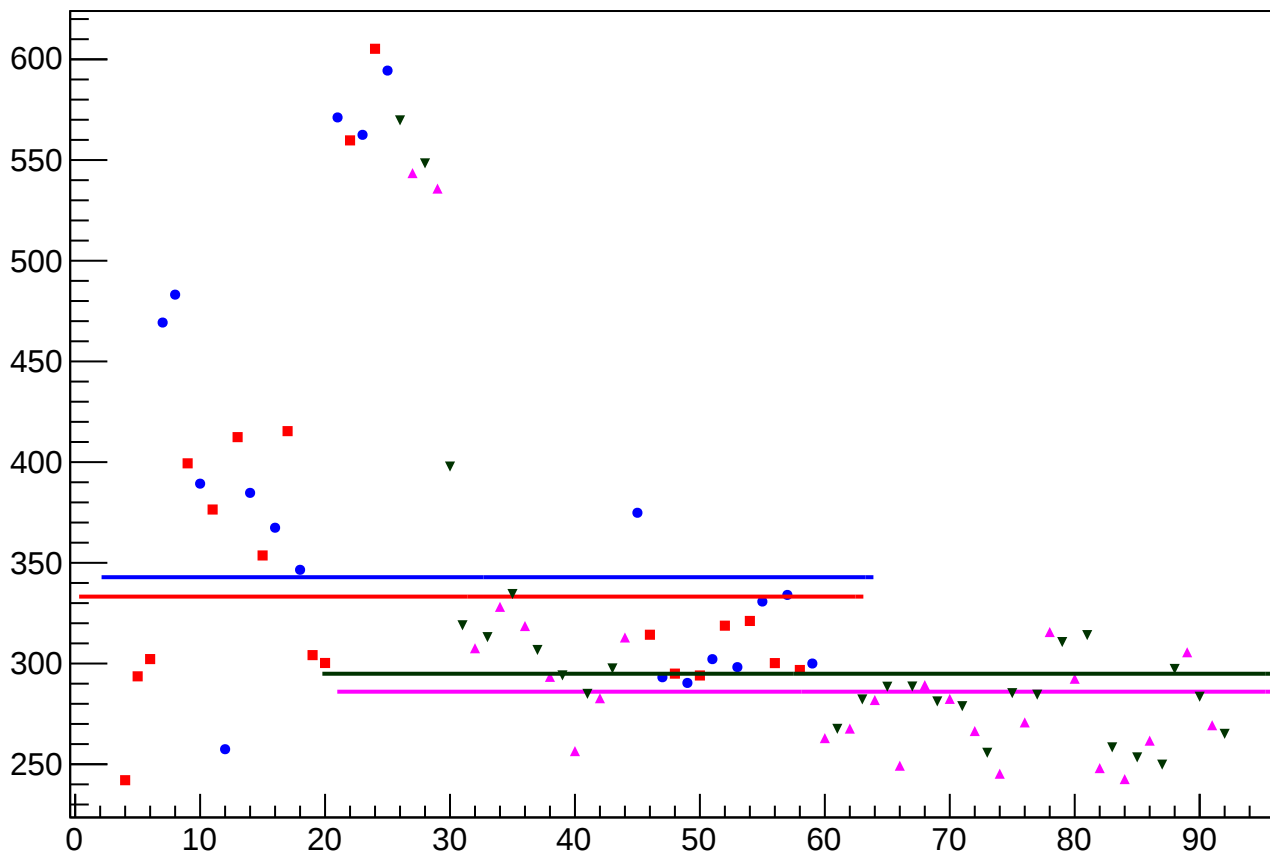
145.171 $\pm$ 64.731 χ^2 /NDF: 343.4/44

Right Out: 1529.045 $\pm$ 108.949 χ^2 /NDF: 2274.0/18

-133.103 $\pm$ 63.734 χ^2 /NDF: 2855.5/43

Left In: -997.842 $\pm$ 78.583 χ^2 /NDF:227.6/24

asym_bpm0i07WS_rms vs slug



Right In: 342.865+/-0.074 χ^2/NDF : 1018623.1/17

Left Out: 294.931+/-0.058 χ^2/NDF : 747769.9/26

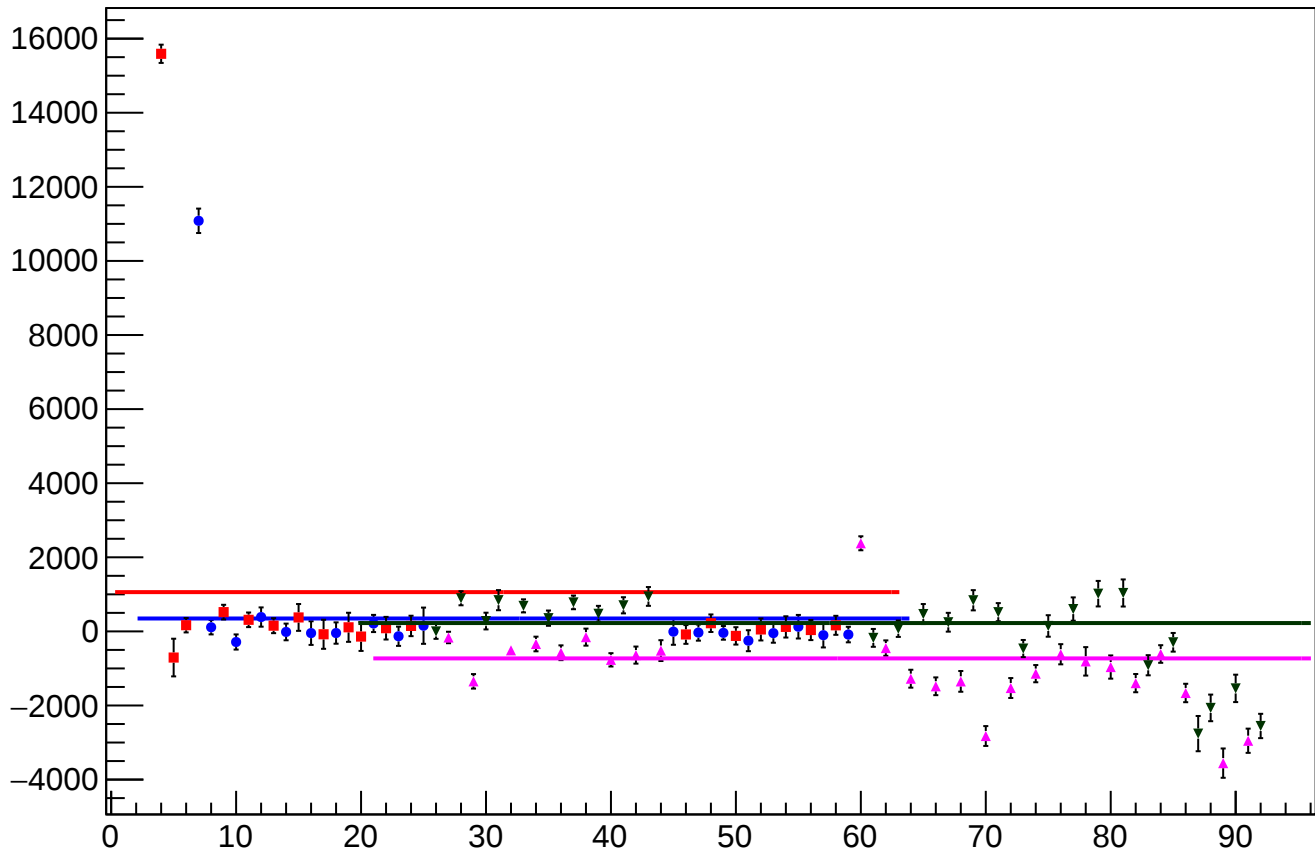
Right Out: 333.230+/-0.077 χ^2/NDF : 768934.3/18

Left In: 286.014+/-0.056 χ^2/NDF : 958429.6/24

313.068+/-0.046 χ^2/NDF : 2024339.0/44

302.172+/-0.045 χ^2/NDF : 1974447.5/43

asym_bpm0l01WS_mean vs slug



Right In: 348.196 $\pm$ 59.644 χ^2 /NDF: 1103.2/17

Left Out: 225.235 $\pm$ 47.635 χ^2 /NDF: 276.9/26

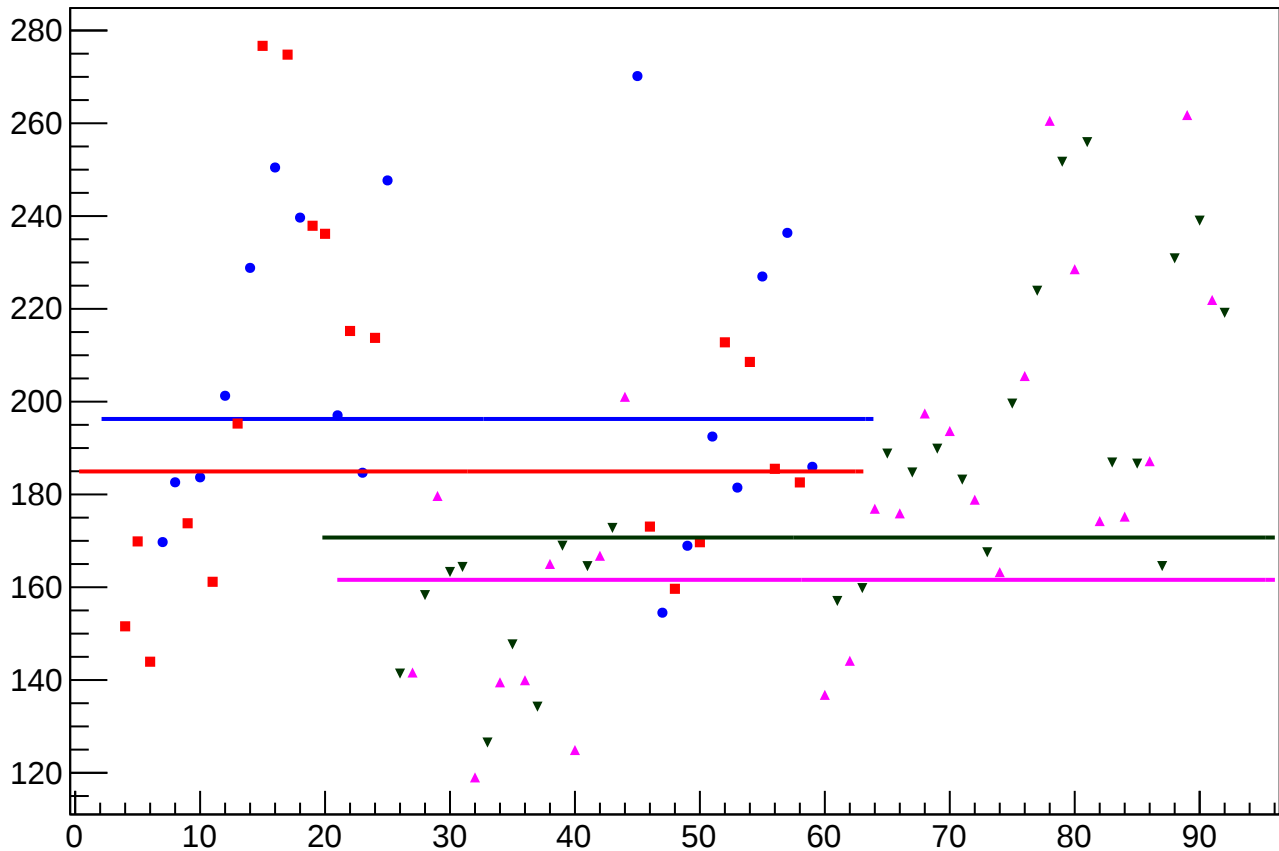
273.121 $\pm$ 37.221 χ^2 /NDF: 1382.7/44

Right Out: 1059.962 $\pm$ 60.034 χ^2 /NDF: 3708.7/18

-93.638 $\pm$ 35.782 χ^2 /NDF: 4804.5/43

Left In: -729.265 $\pm$ 44.563 χ^2 /NDF: 523.1/24

asym_bpm0l01WS_rms vs slug



Right In: 196.269 $\pm$ 0.042 χ^2 /NDF: 466122.9/17

Left Out: 170.715 $\pm$ 0.034 χ^2 /NDF: 805691.8/26

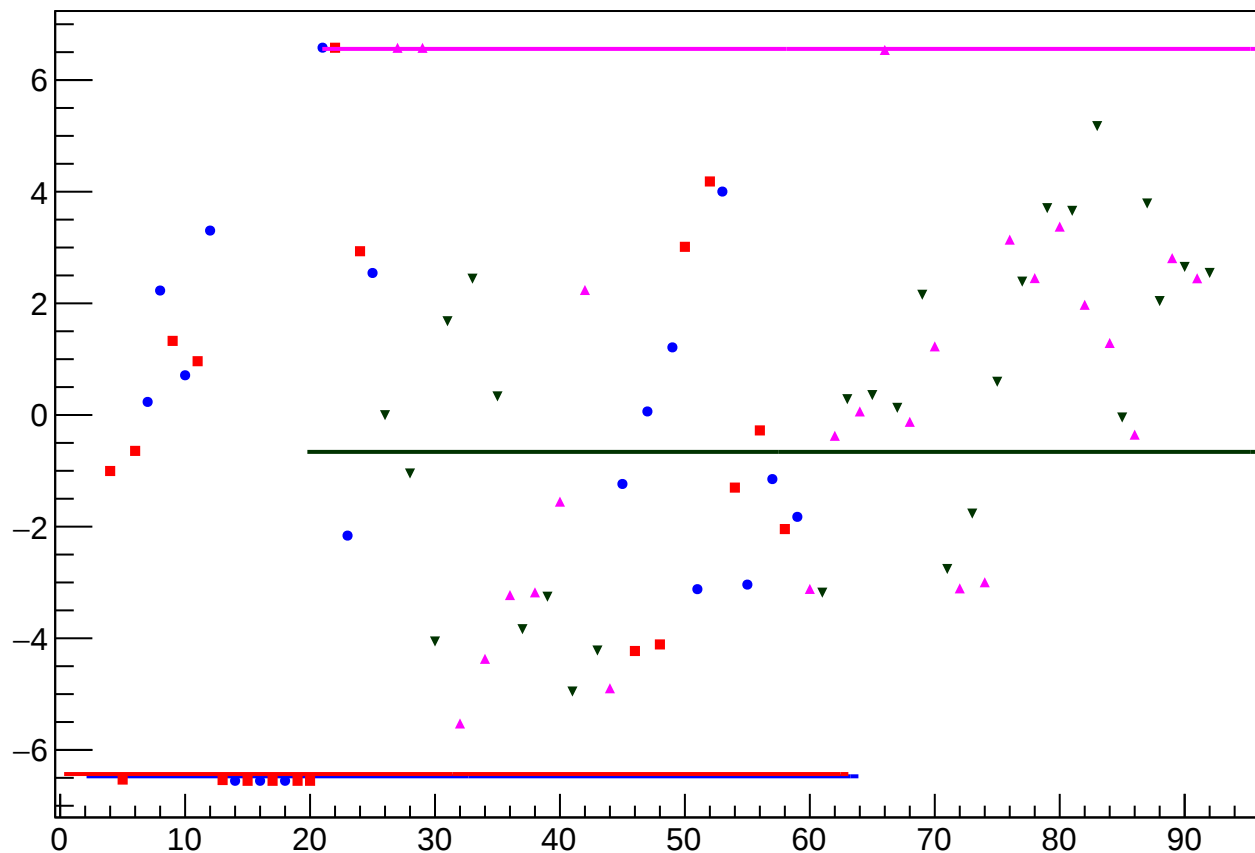
Right Out: 184.956 $\pm$ 0.042 χ^2 /NDF: 580645.4/18

Left In: 161.596 $\pm$ 0.032 χ^2 /NDF: 1087876.2/24

180.666 $\pm$ 0.026 χ^2 /NDF: 1495969.6/44

169.895 $\pm$ 0.025 χ^2 /NDF: 1863759.8/43

yield_cav4bX_mean vs slug



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

Left Out: -0.661+/-0.000 χ^2/NDF : 75605587.7/26

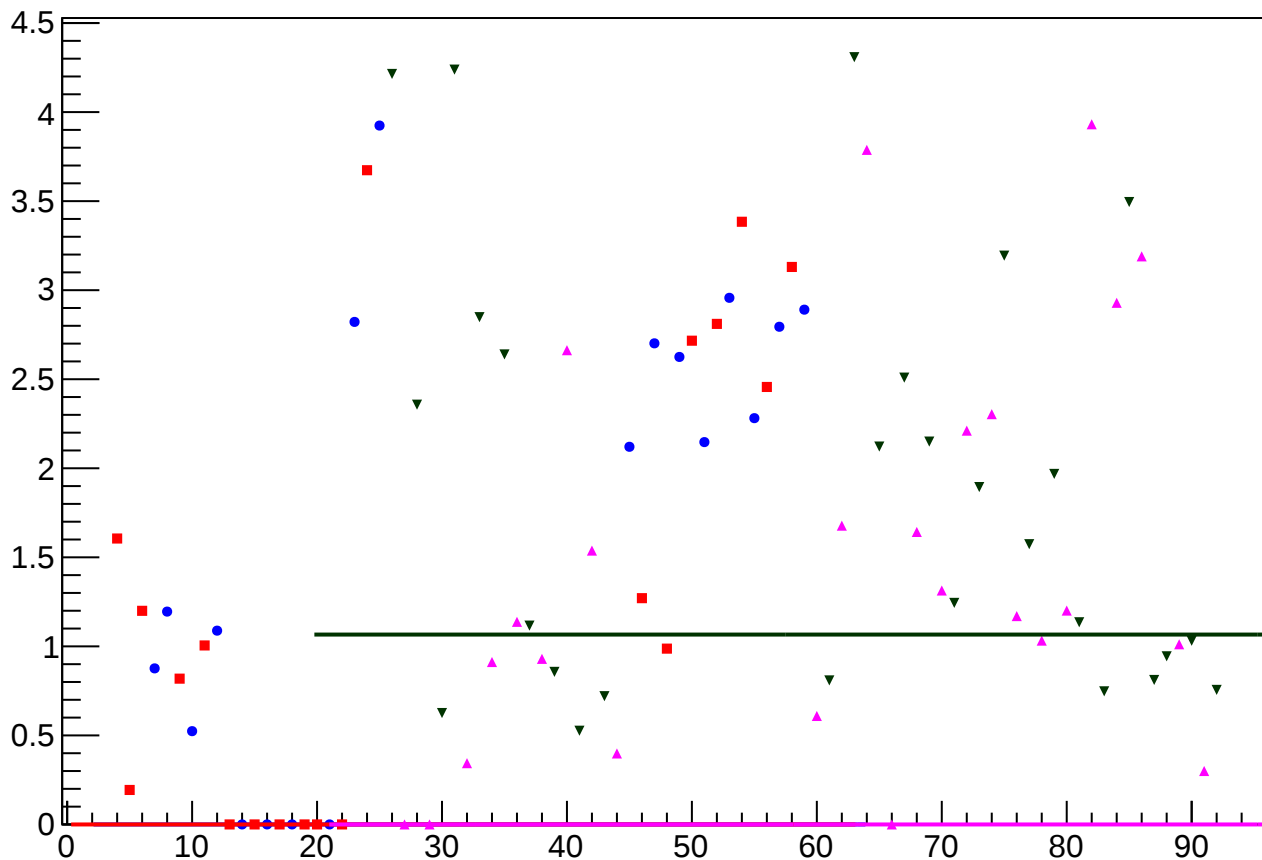
Right Out: -6.432+/-0.000 χ^2/NDF : 150837619676093.8/18

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

-6.473+/-0.000 χ^2/NDF : 127848228890031.6/4

-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: 1.066+/-0.000 χ^2/NDF :5544729.0/26

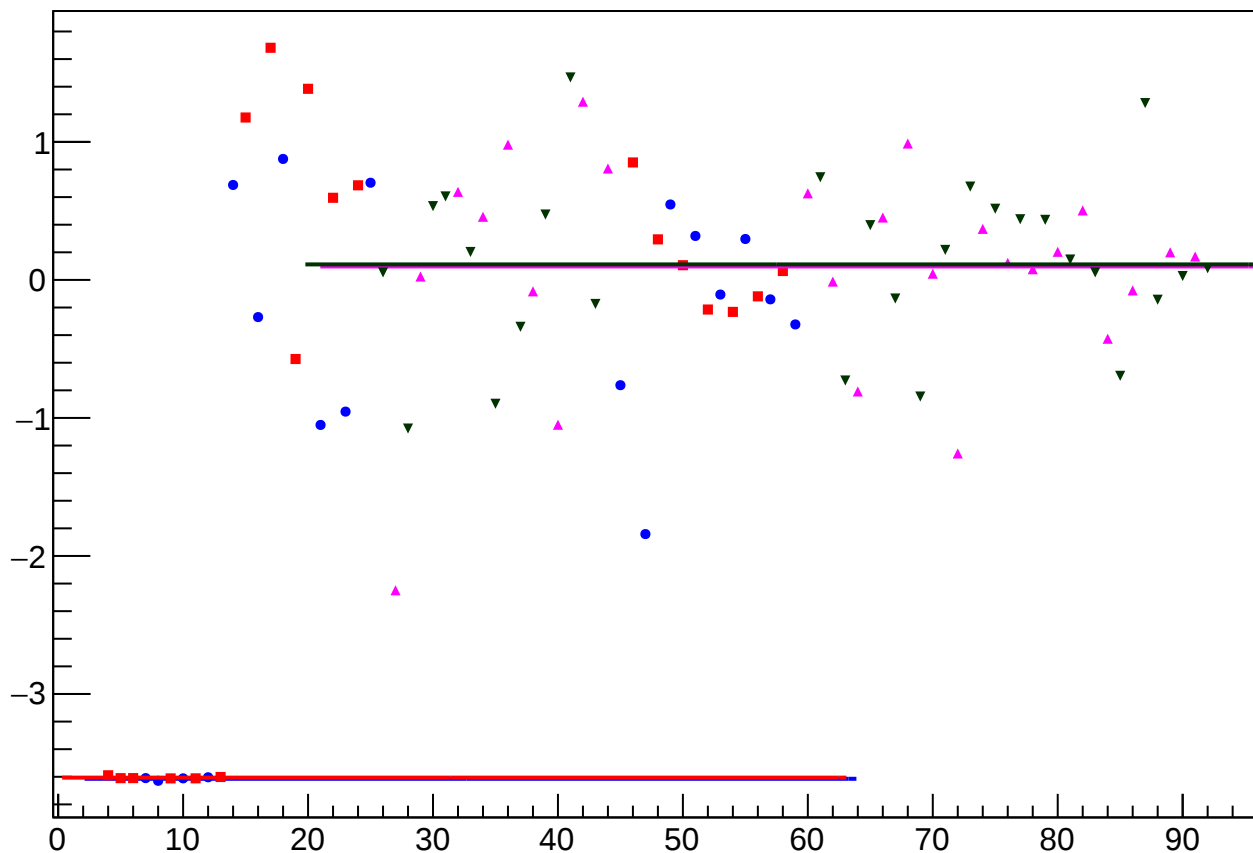
Right Out: 0.000+/-0.000 χ^2/NDF : 9626570.5/18

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

0.000+/-0.000 χ^2/NDF : 31185089.3/44

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: 0.112+/-0.000 χ^2/NDF :11124058.7/26

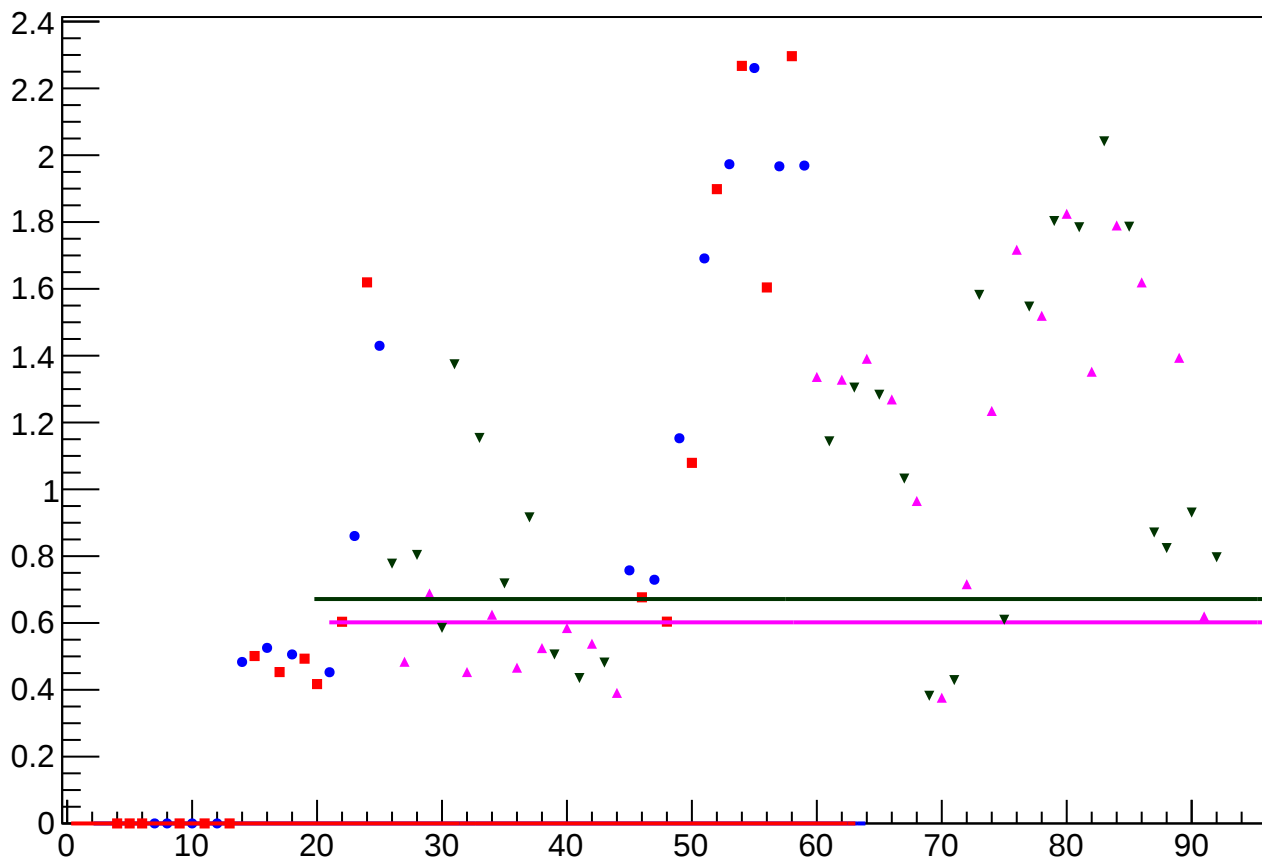
Right Out: -3.606+/-0.000 χ^2/NDF : 37792758949.6/18

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

-3.614+/-0.000 χ^2/NDF : 49367241556.7/44

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

yield_cav4bY_rms vs slug



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

Left Out: 0.672+/-0.000 χ^2/NDF : 4582029.8/26

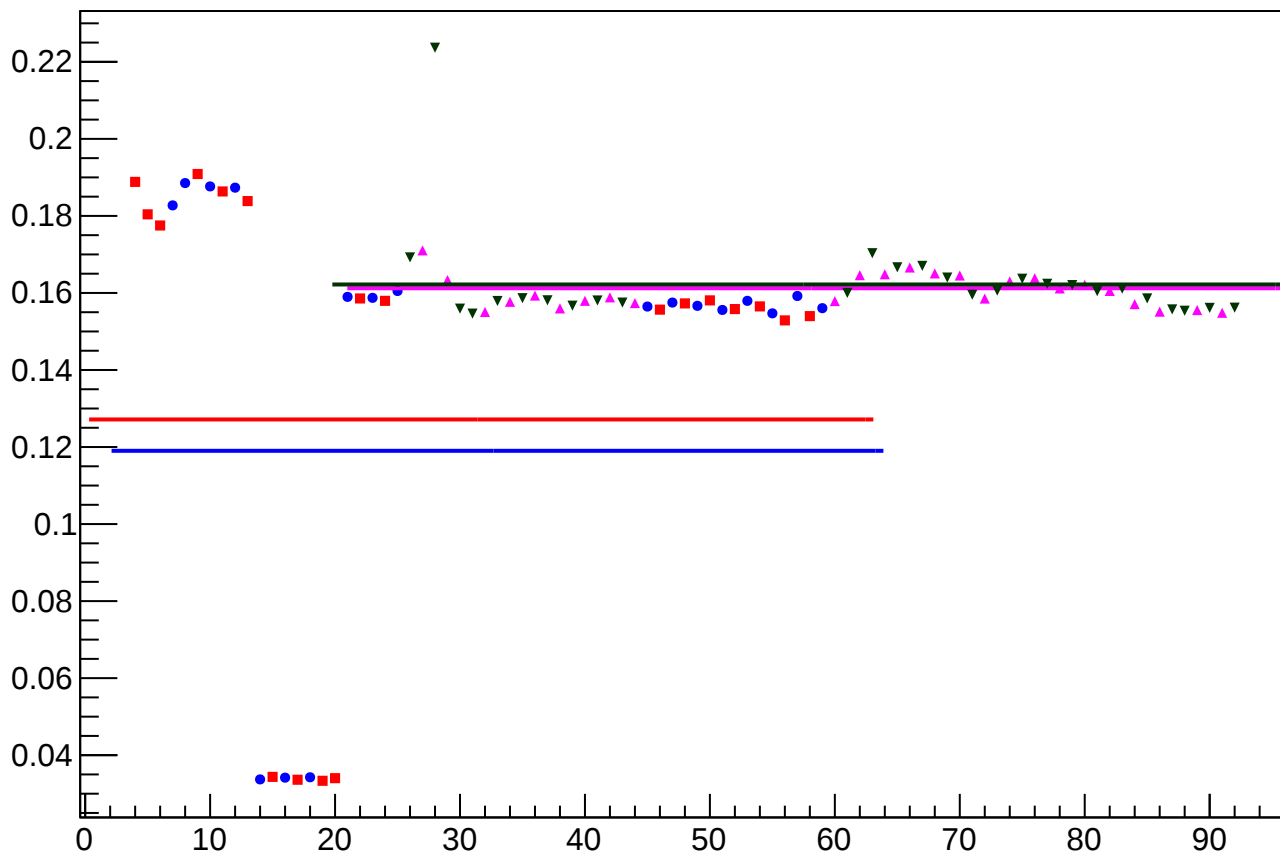
Right Out: 0.000+/-0.000 χ^2/NDF : 10531530.4/18

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

0.000+/-0.000 χ^2/NDF : 35901329.0/44

0.000+/-0.000 χ^2/NDF : 33138287.0/43

yield_cav4cX_mean vs slug



Right In: 0.119+/-0.000 χ^2/NDF : 4974475463.8/17

Left Out: 0.162+/-0.000 χ^2/NDF :105209870.1/26

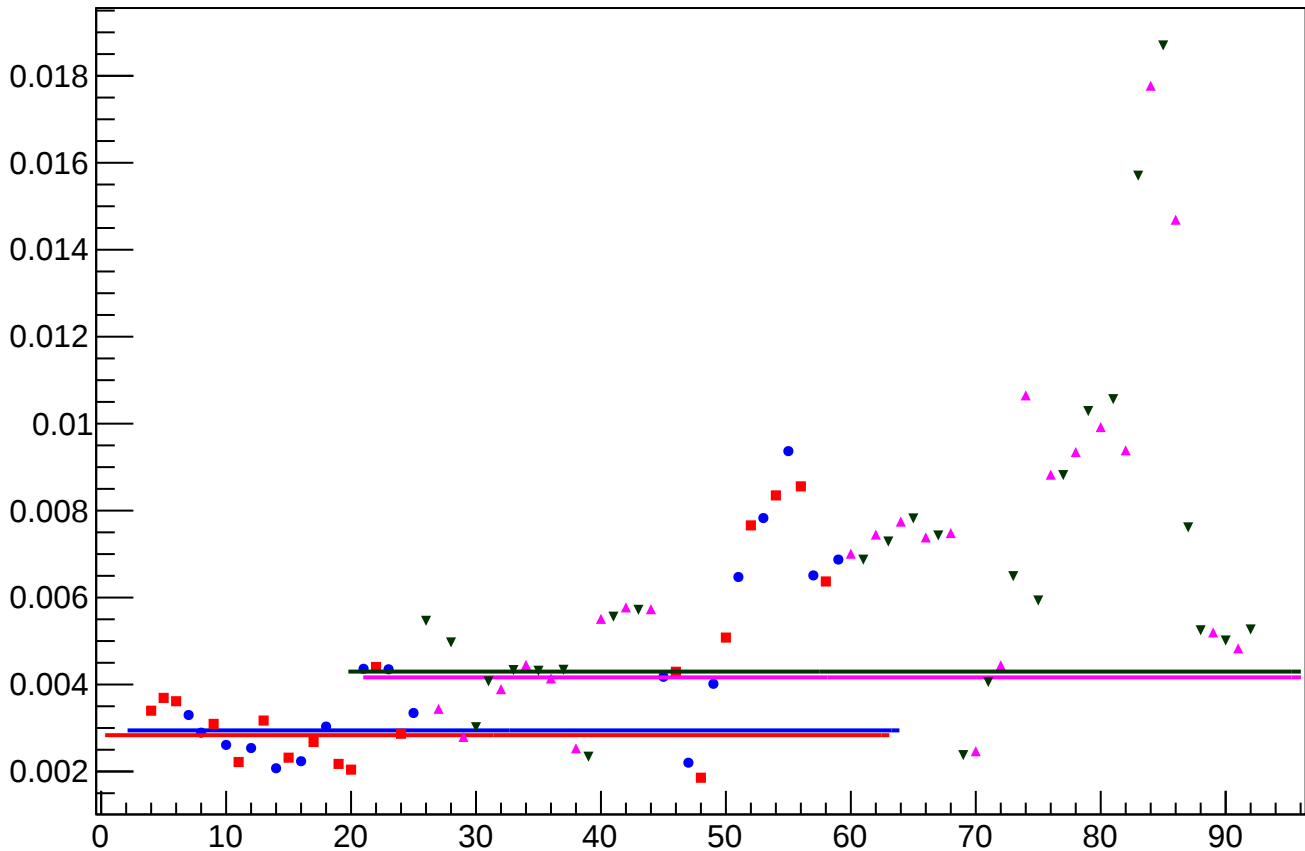
Right Out: 0.127+/-0.000 χ^2/NDF : 4426693928.8/18

Left In: 0.161+/-0.000 χ^2/NDF :14918058.6/24

0.134+/-0.000 χ^2/NDF : 5764823865.2/44

0.140+/-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 : 4687220.2/26

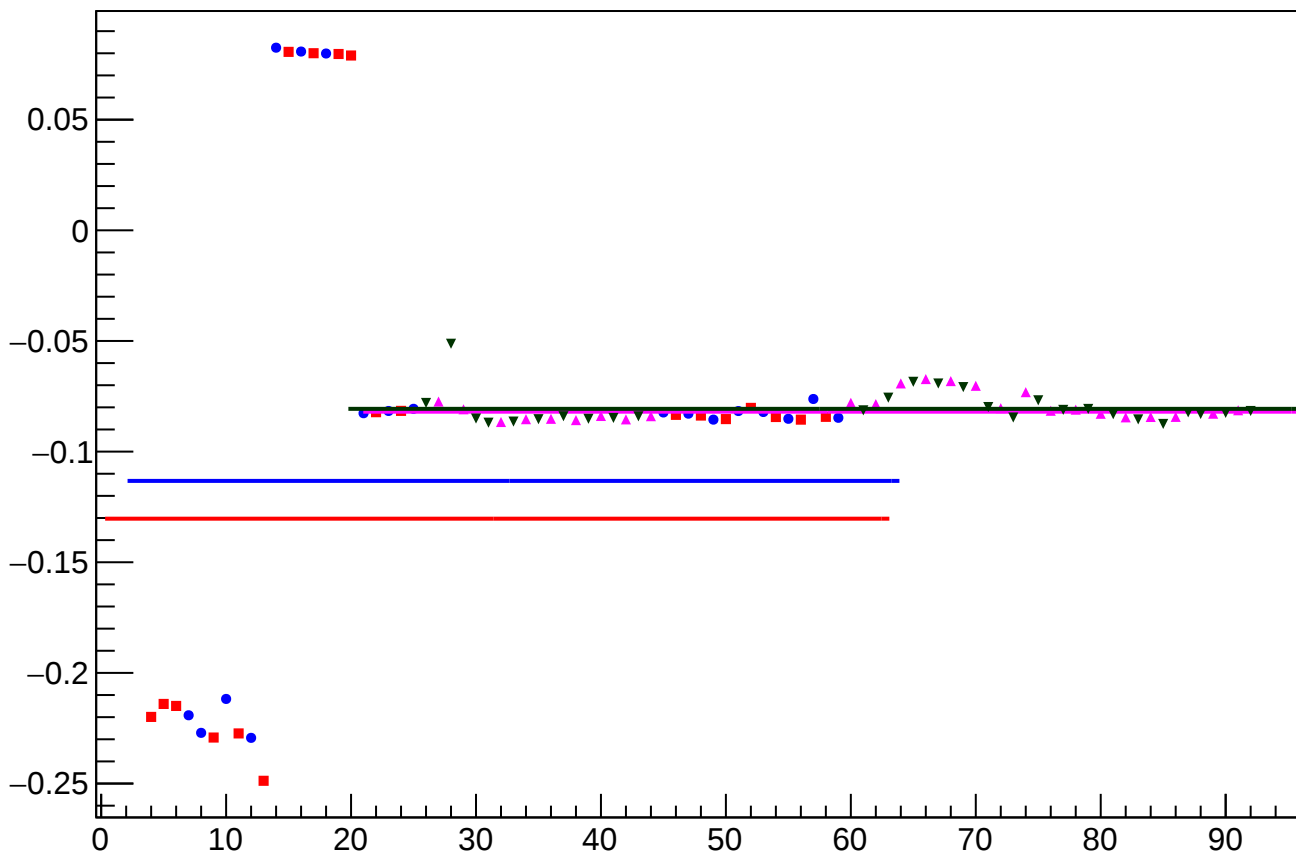
0.003+/-0.000 χ^2/NDF : 9016397.6/44

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

0.003+/-0.000 χ^2/NDF : 9229370.5/43

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

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 : 42299528.1/26

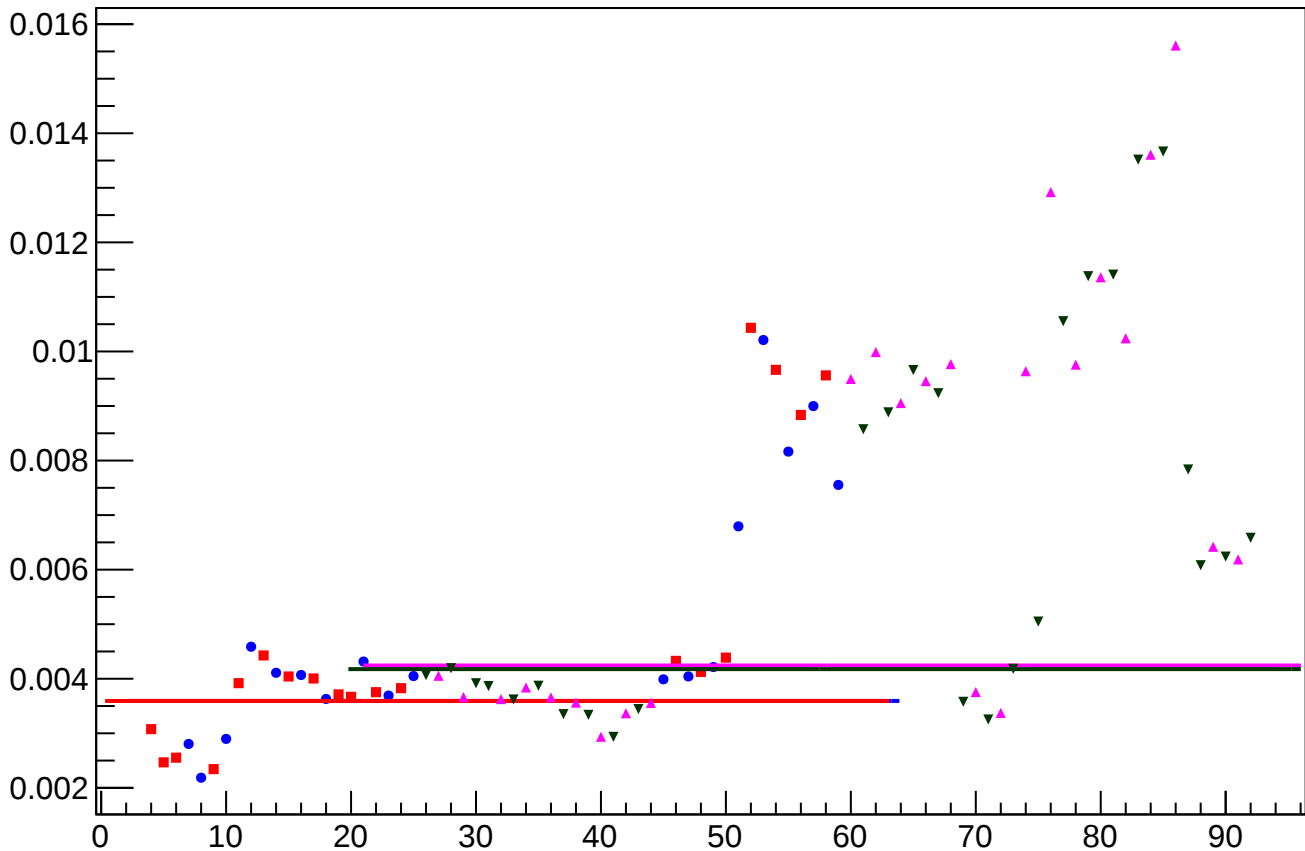
-0.098+/-0.000 χ^2/NDF : 10084196399.6/44

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

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

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

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 :3876912.4/26

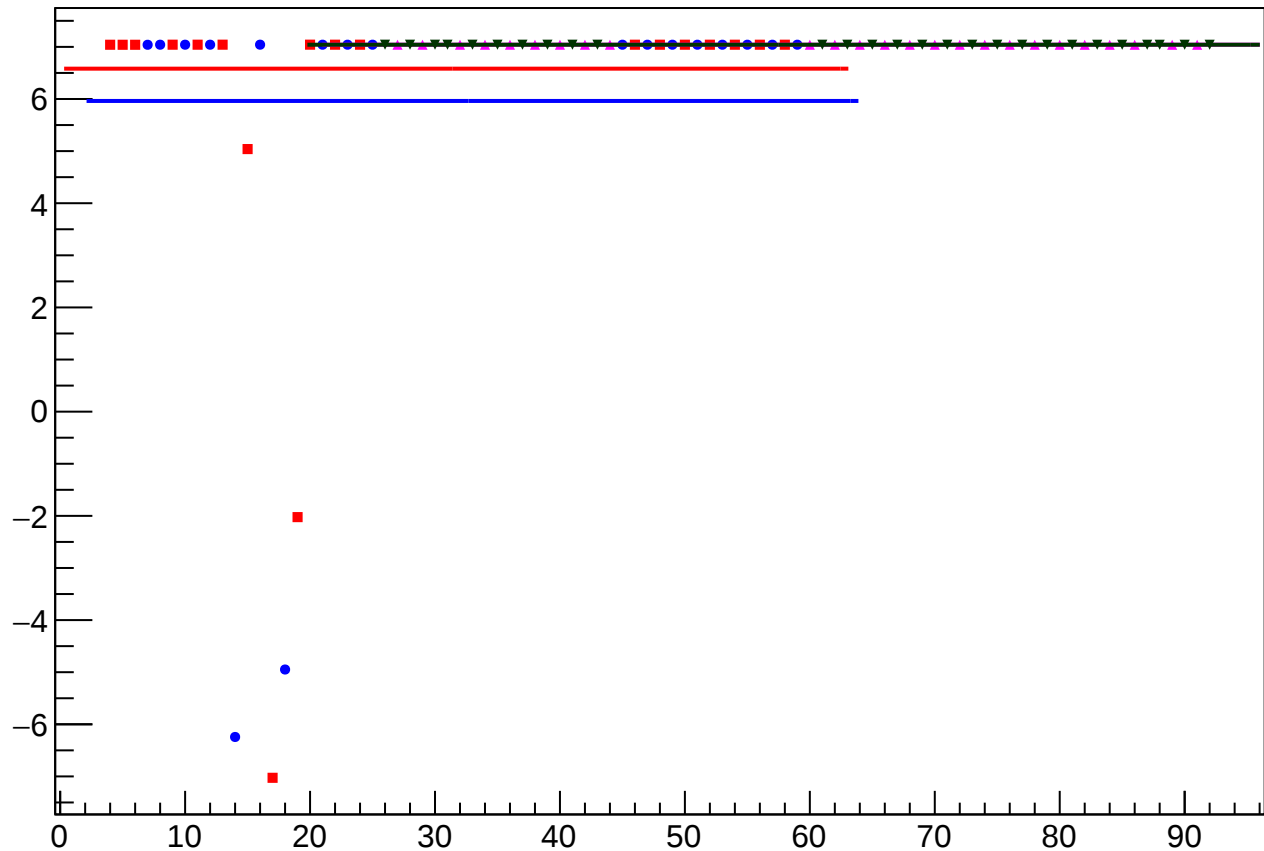
Right Out: 0.004+/-0.000 χ^2/NDF : 2225355.5/18

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

0.004+/-0.000 χ^2/NDF : 6736021.3/44

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 : 57671929.0/26

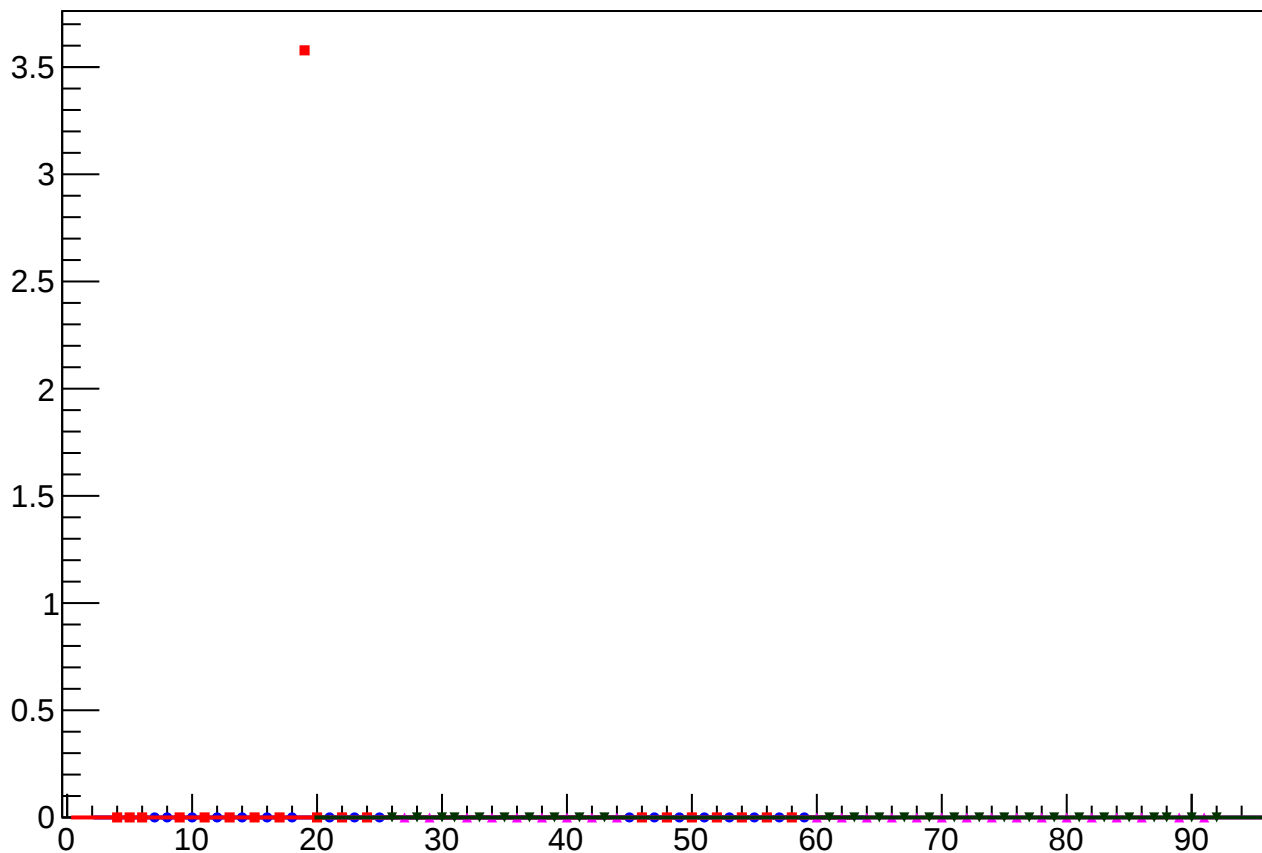
Right Out: 6.582 $\pm$ 0.000 χ^2/NDF : 1856853993700647.2/18

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

6.569 $\pm$ 0.000 χ^2/NDF : 4850072968781352.0/4

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 : 8912.0/26

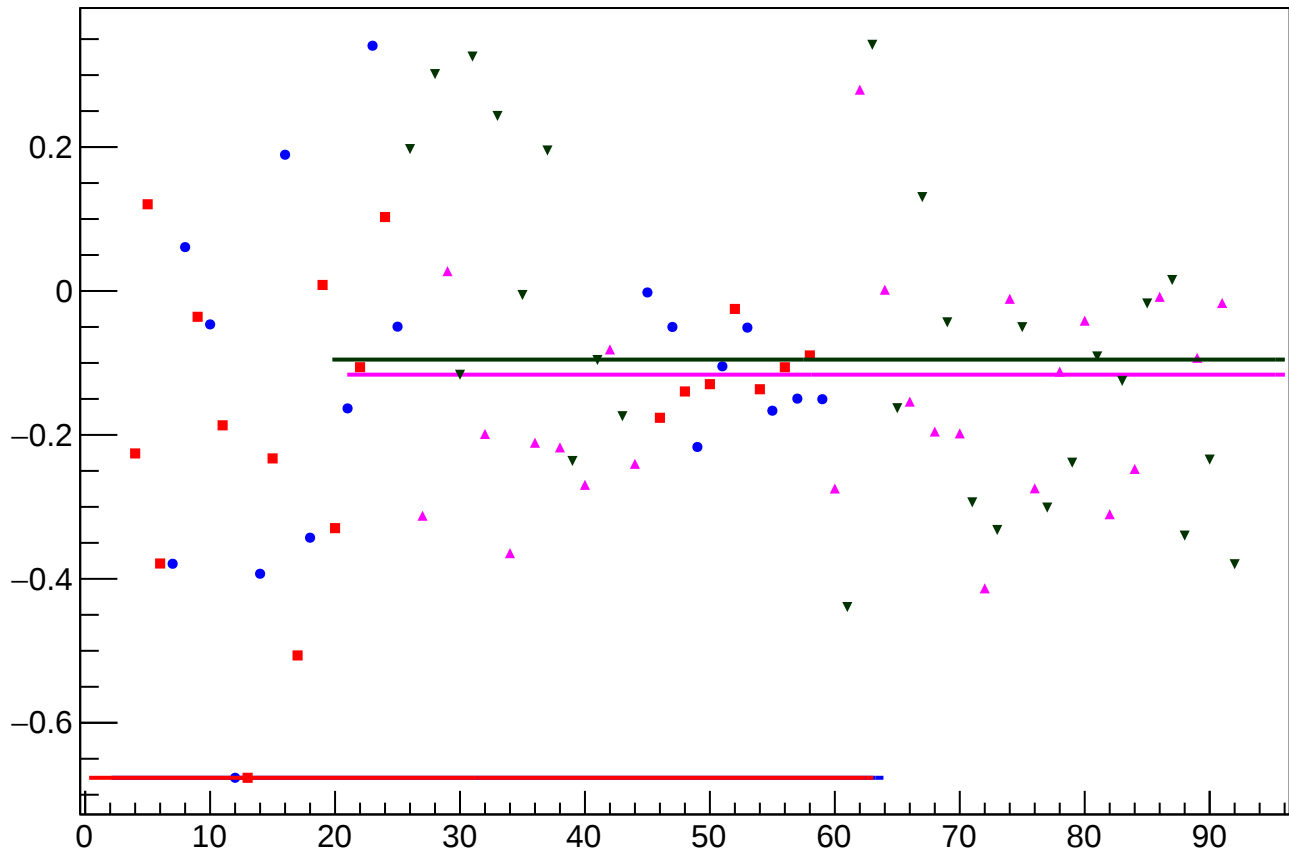
Right Out: 0.000+/-0.000 χ^2/NDF : 697661.6/18

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

0.000+/-0.000 χ^2/NDF : 17302.1/44

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: -0.095+/-0.000 χ^2/NDF : 38734010.9/26

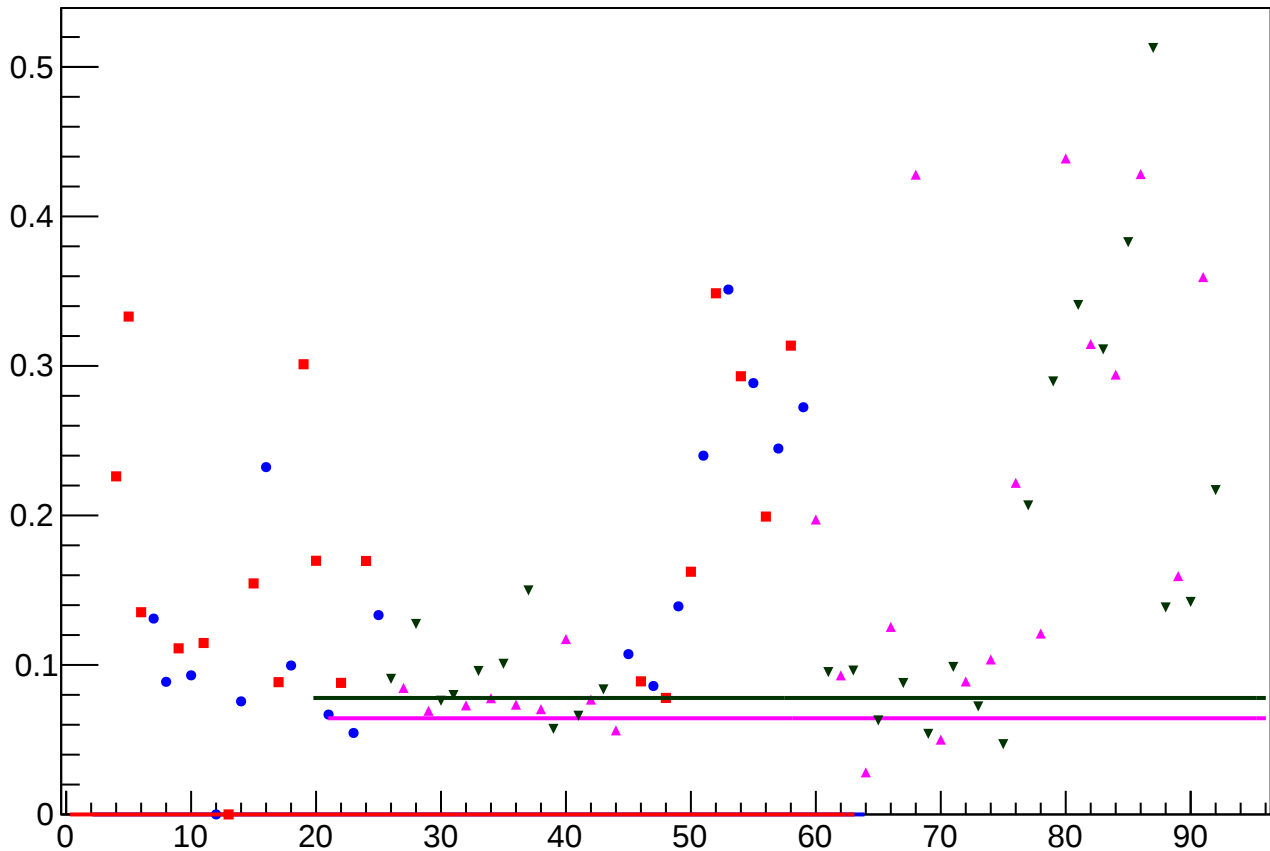
-0.676+/-0.000 χ^2/NDF : 695835934.6/44

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

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

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

yield_cav4dY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 16187995.6/17

Left Out: 0.078+/-0.000 χ^2/NDF : 4276441.0/26

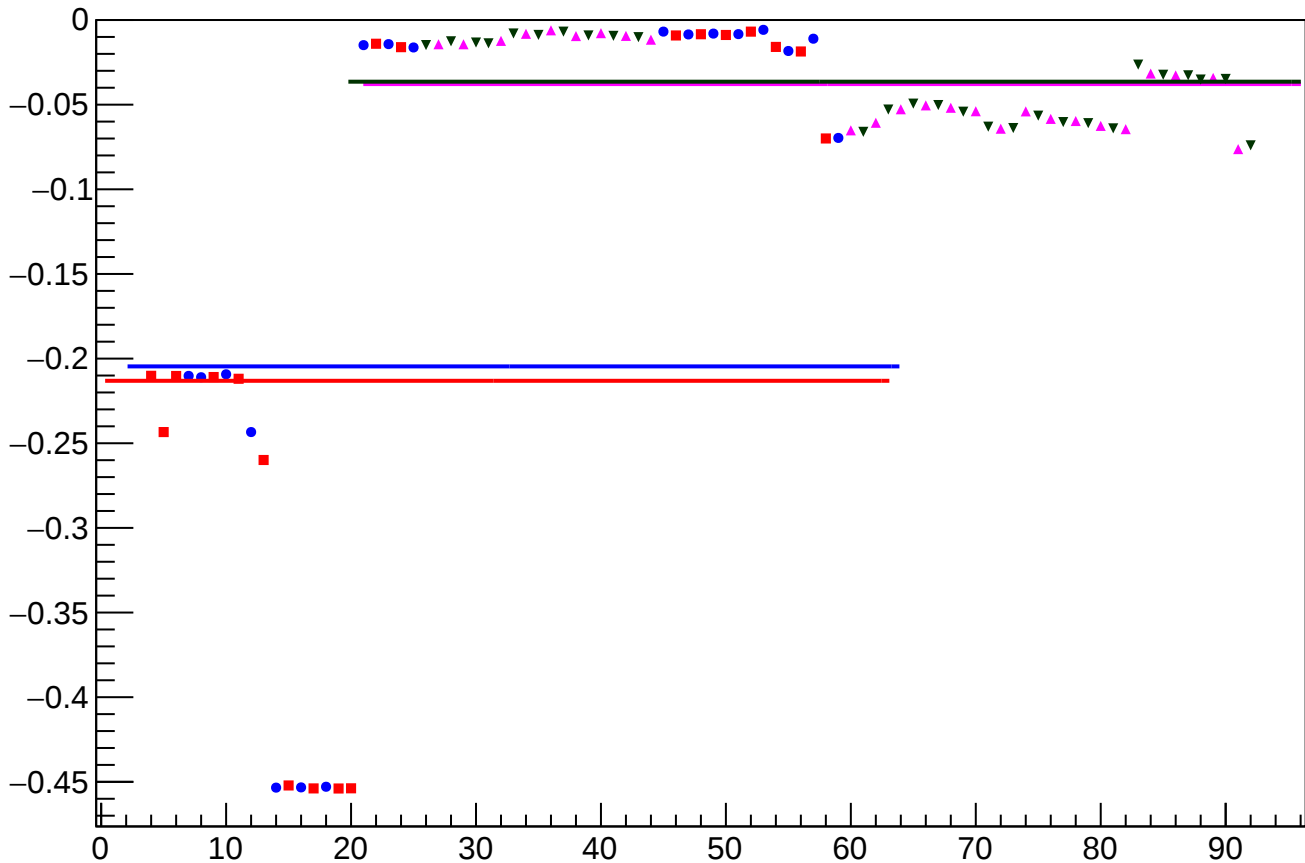
0.000+/-0.000 χ^2/NDF : 34509281.3/44

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

0.000+/-0.000 χ^2/NDF : 33987120.0/43

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

yield_bpm4aX_mean vs slug



Right In: -0.205+/-0.000 χ^2/NDF : 5539981697.6/17

Left Out: -0.036+/-0.000 χ^2/NDF : 78404783.5/26

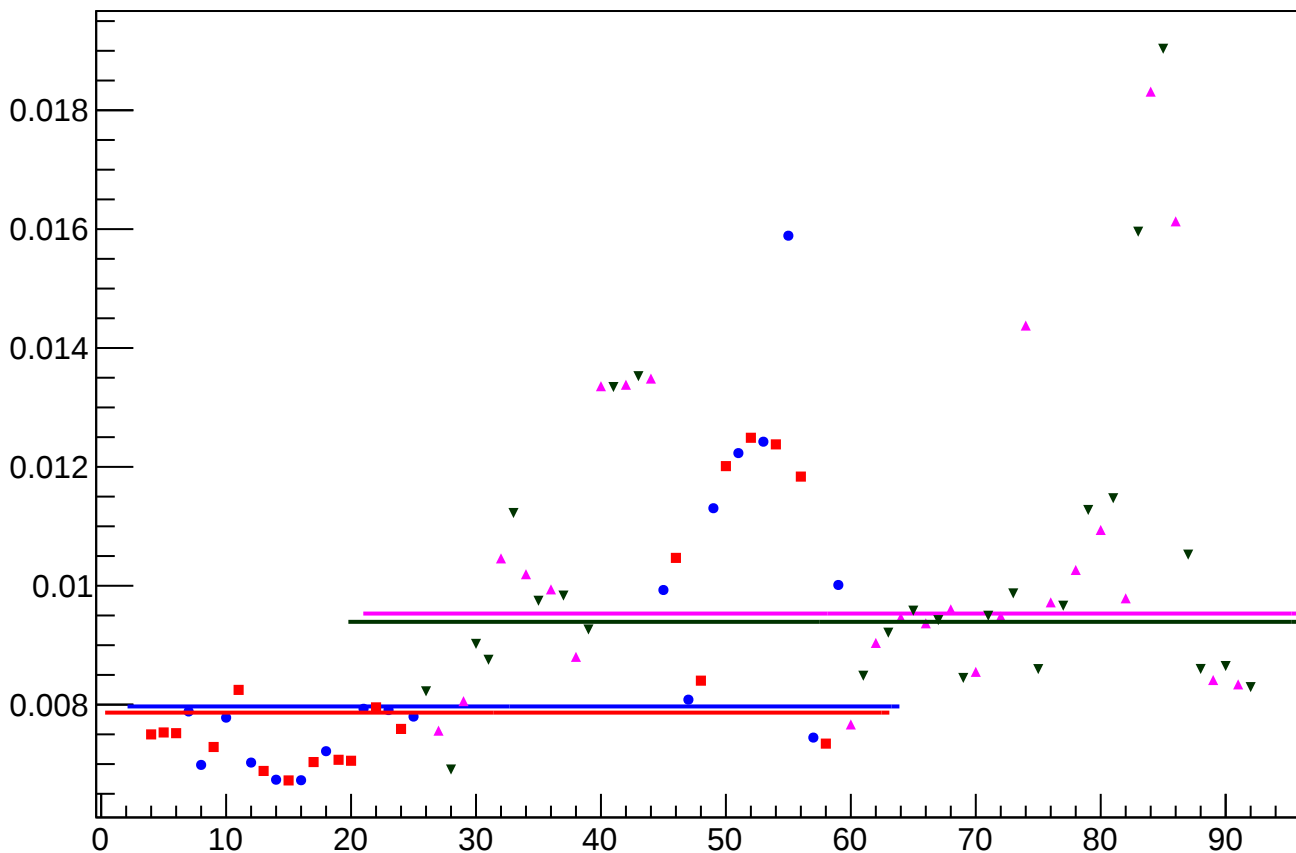
Right Out: -0.213+/-0.000 χ^2/NDF : 4142455601.5/18

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

-0.127+/-0.000 χ^2/NDF : 7799873365.0/44

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

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 : 971021.6/26

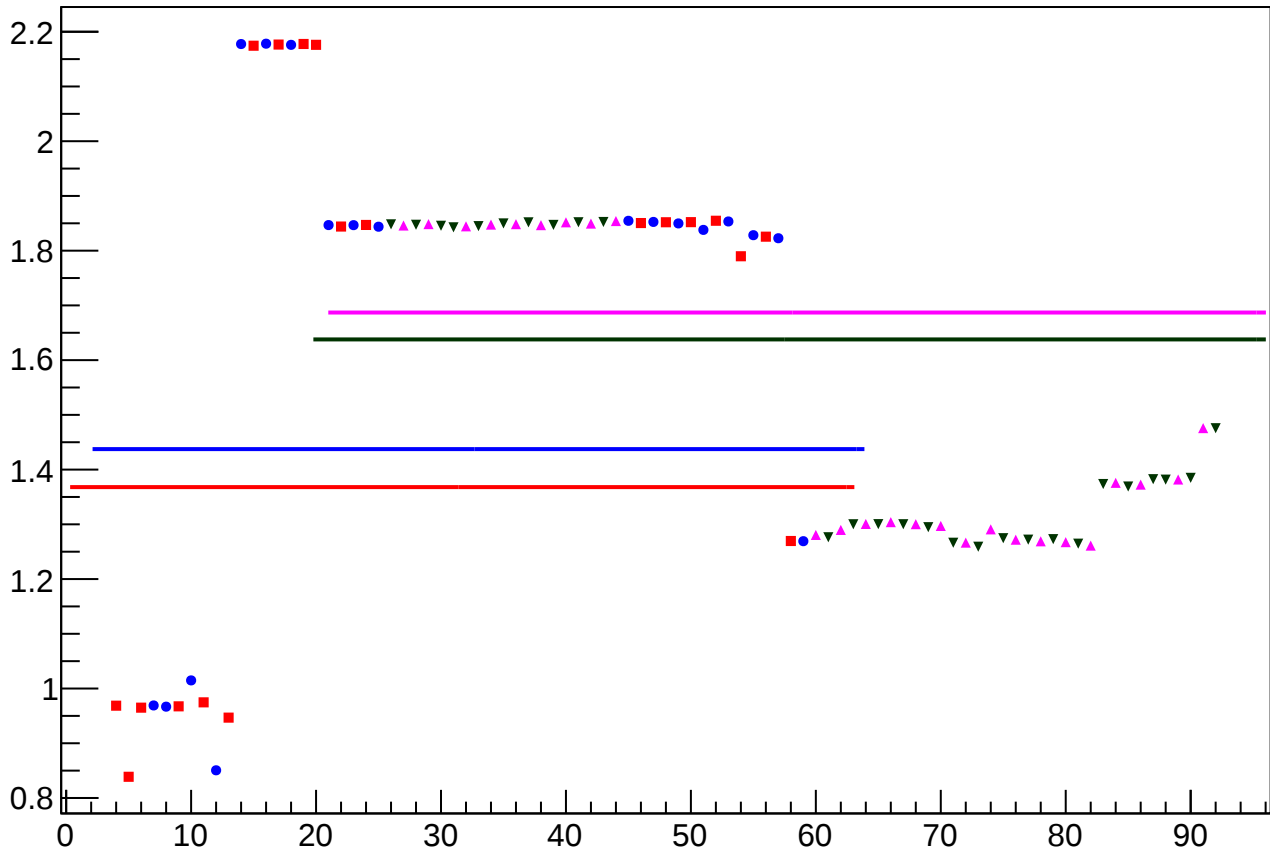
Right Out: 0.008+/-0.000 χ^2/NDF : 696189.4/18

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

0.009+/-0.000 χ^2/NDF : 2227340.4/44

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: 1.638+/-0.000 χ^2/NDF : 3266370199.8/26

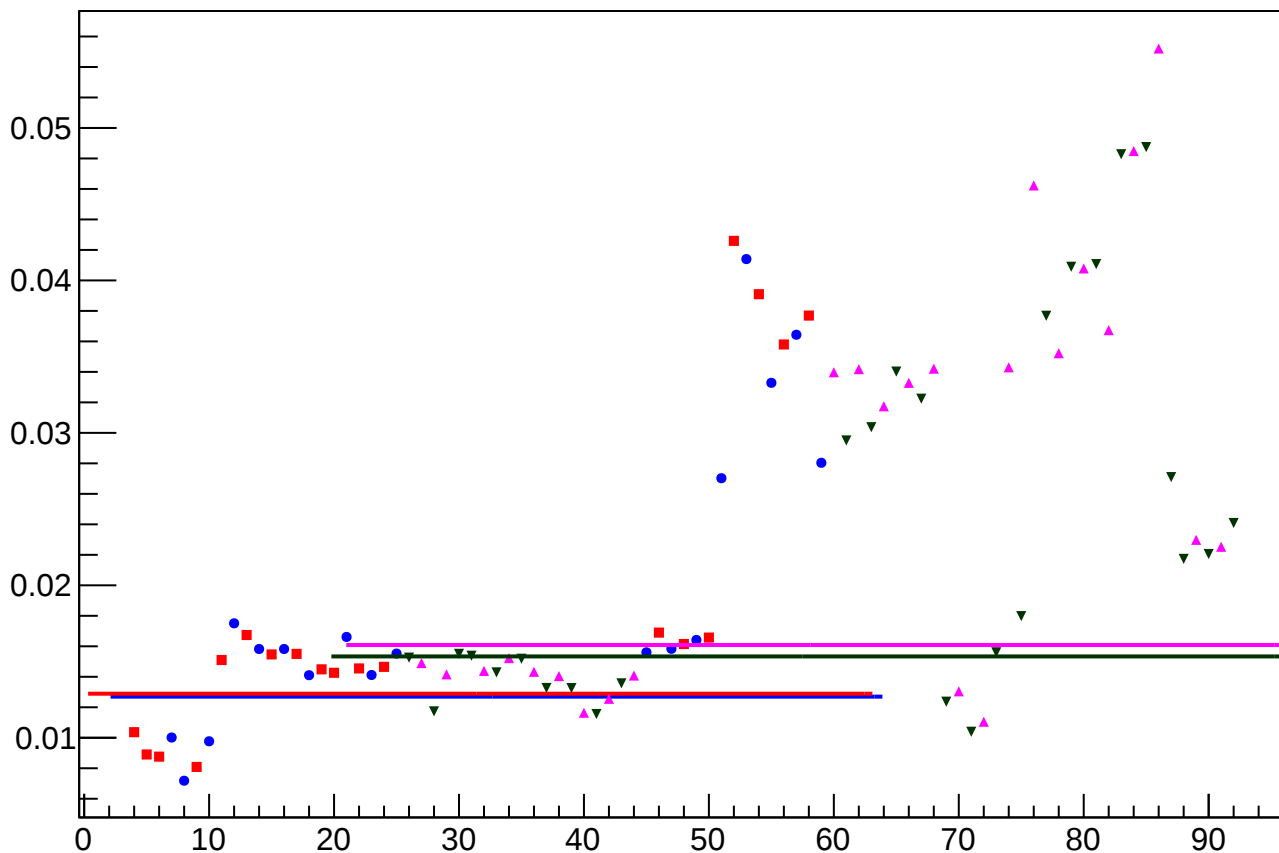
1.528+/-0.000 χ^2/NDF : 18492558108.2/44

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 : 3767218.6/26

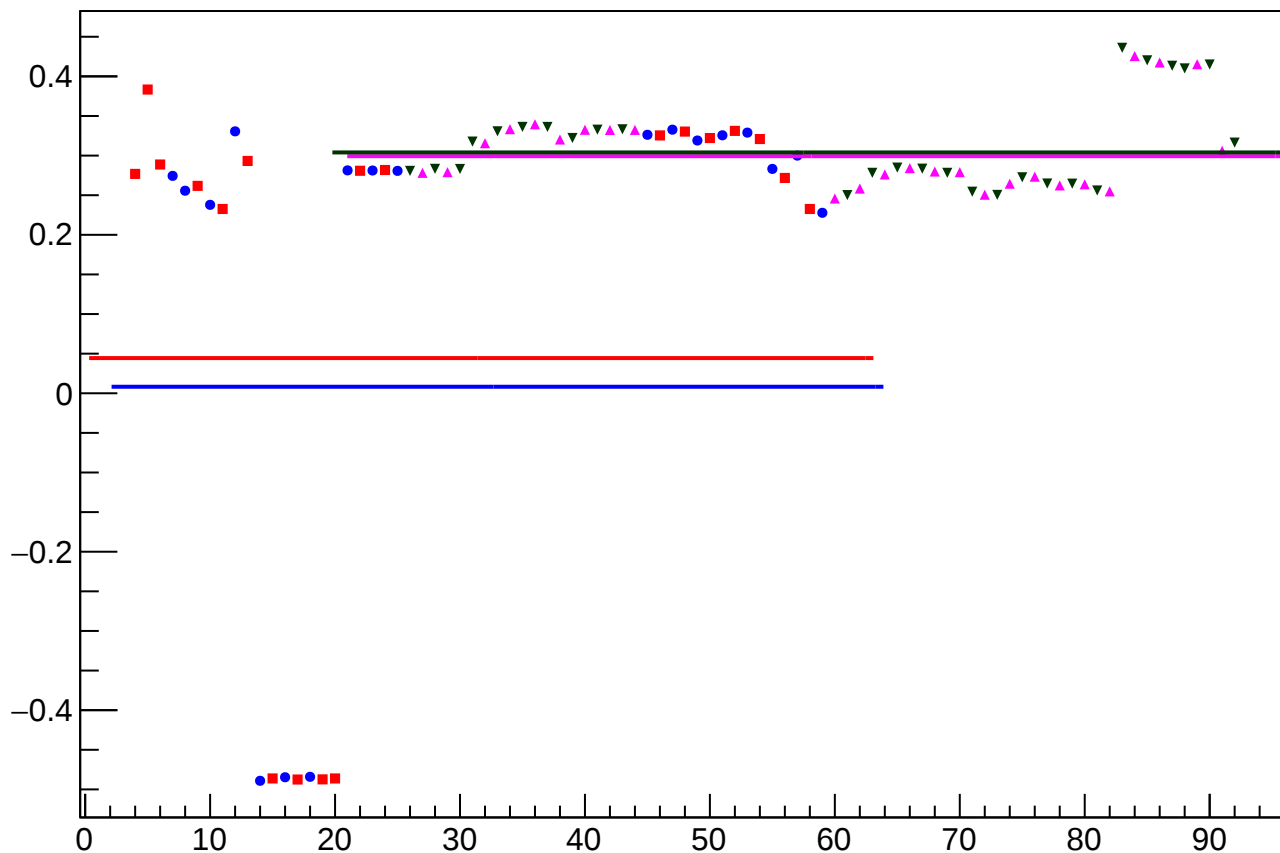
Right Out: 0.013+/-0.000 χ^2/NDF : 2814614.5/18

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

0.014+/-0.000 χ^2/NDF : 7644932.4/44

0.014+/-0.000 χ^2/NDF : 7564935.4/43

yield_bpm4eX_mean vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 3589016563.4/17

Left Out: 0.304+/-0.000 χ^2/NDF : 27500195.5/26

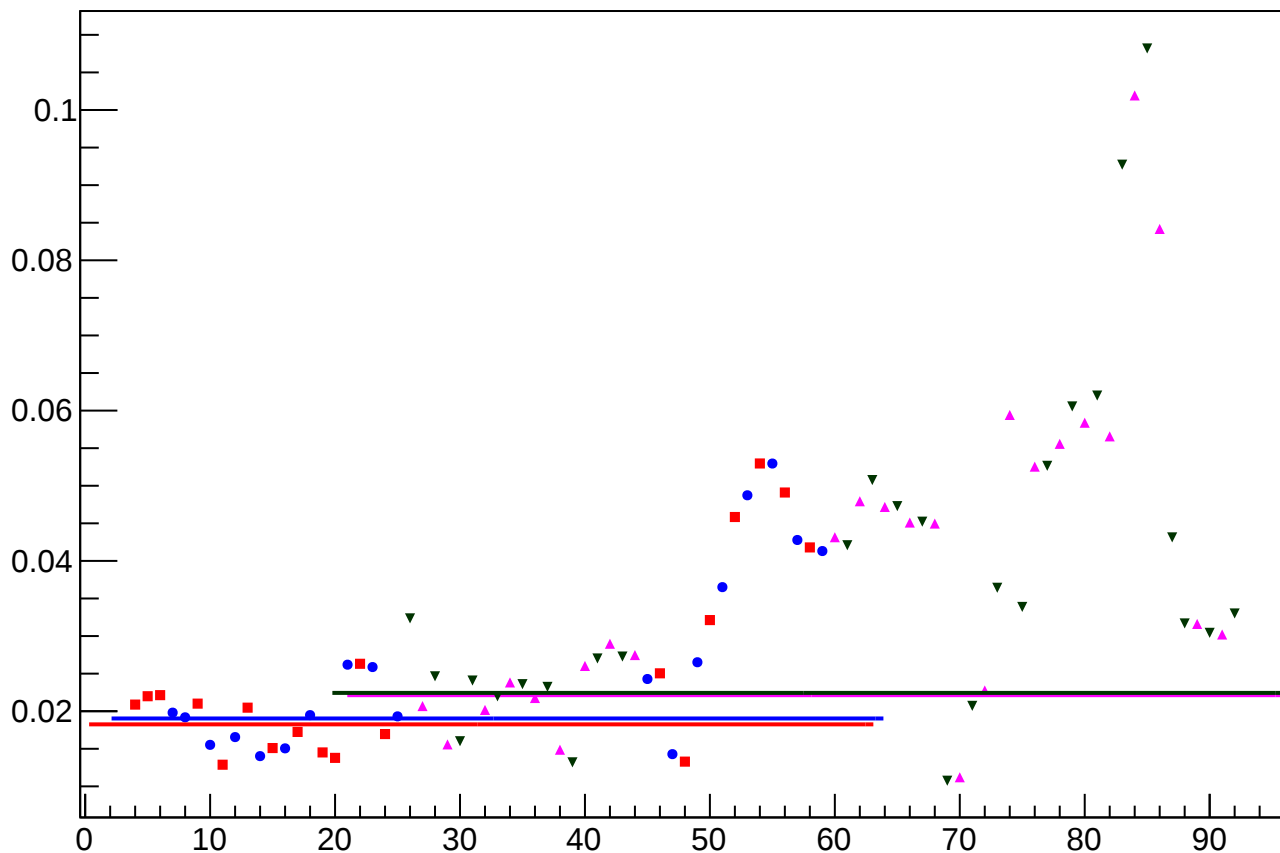
Right Out: 0.044+/-0.000 χ^2/NDF : 3156873410.8/18

Left In: 0.299+/-0.000 χ^2/NDF : 21728103.1/24

0.136+/-0.000 χ^2/NDF : 4593376083.1/44

0.159+/-0.000 χ^2/NDF : 3905394467.3/43

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 : 5686262.1/26

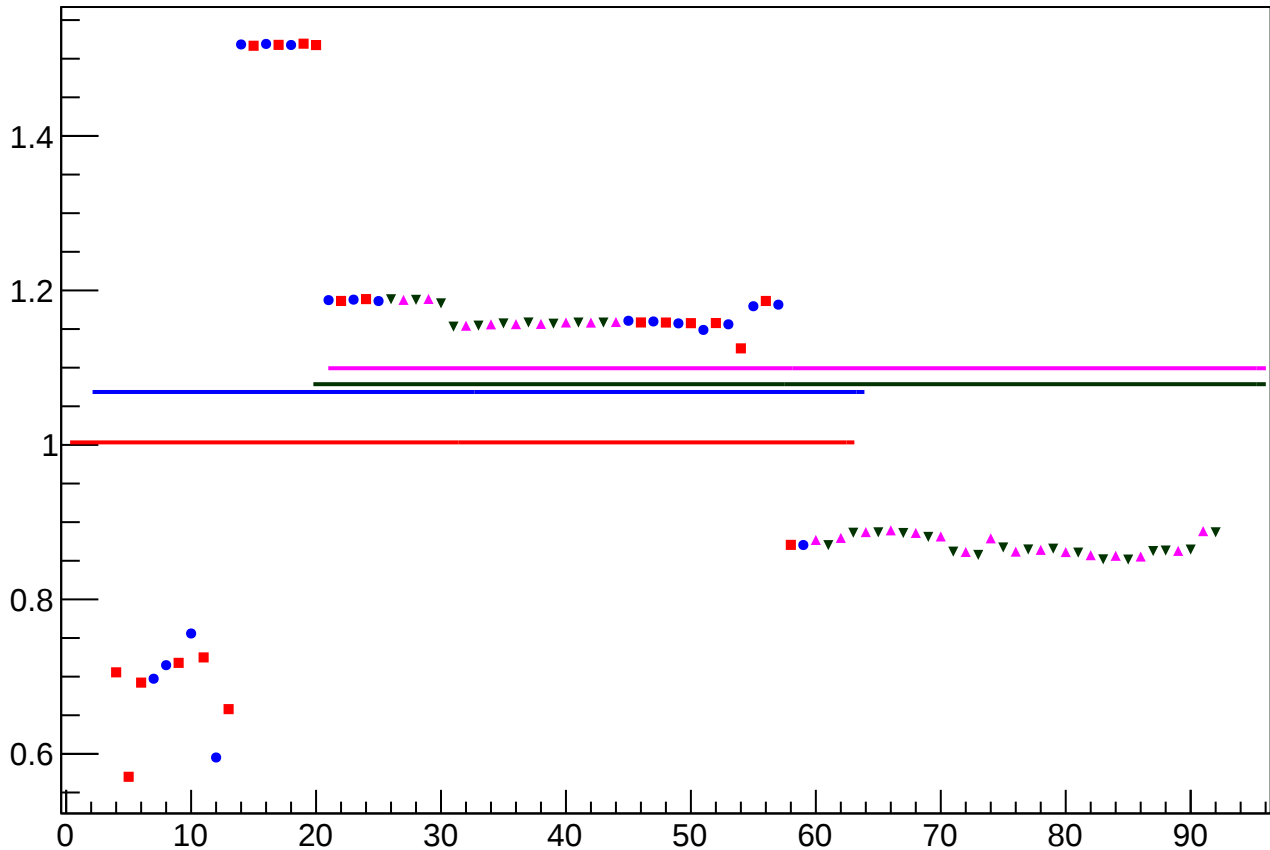
Right Out: 0.018+/-0.000 χ^2/NDF : 2485378.5/18

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

0.021+/-0.000 χ^2/NDF : 8539912.1/44

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: 1.079+/-0.000 χ^2/NDF :1754056181.9/26

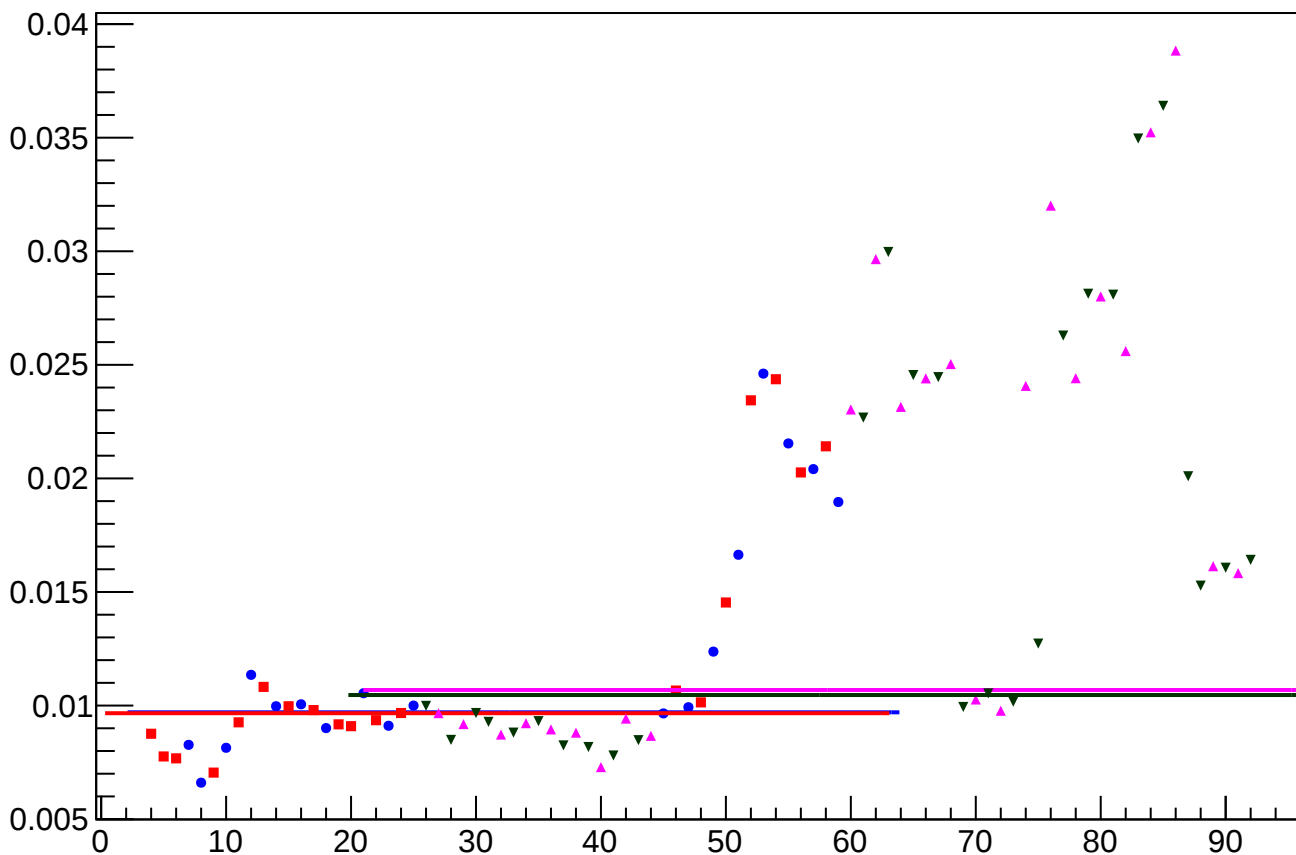
Right Out: 1.003+/-0.000 χ^2/NDF : 10291656361.5/18

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

1.073+/-0.000 χ^2/NDF : 12307279012.8/44

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 : 4048958.5/26

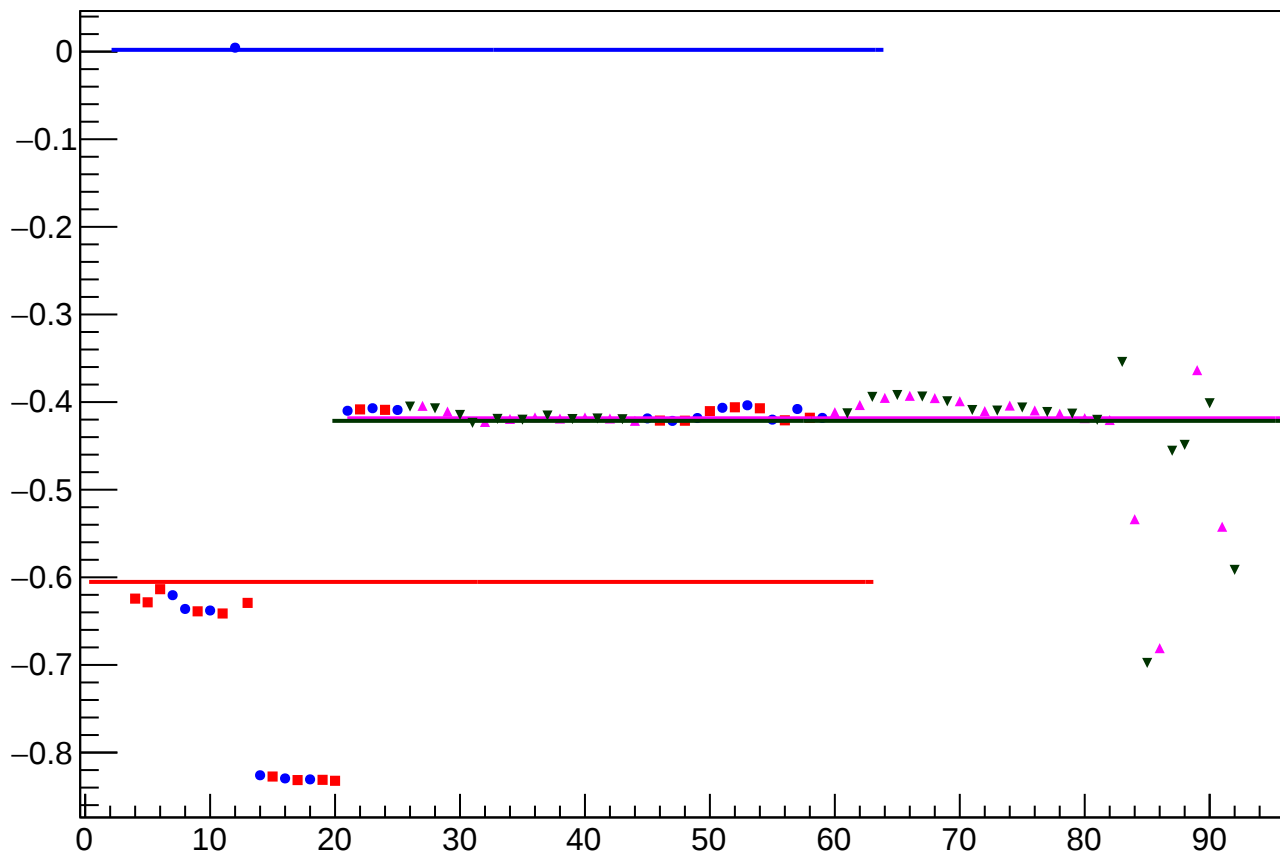
Right Out: 0.010+/-0.000 χ^2/NDF : 1597012.3/18

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

0.010+/-0.000 χ^2/NDF : 6011768.7/44

0.010+/-0.000 χ^2/NDF : 6390970.4/43

yield_bpm4acX_mean vs slug



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

Left Out: -0.421+/-0.000 χ^2/NDF : 339814258.8/26

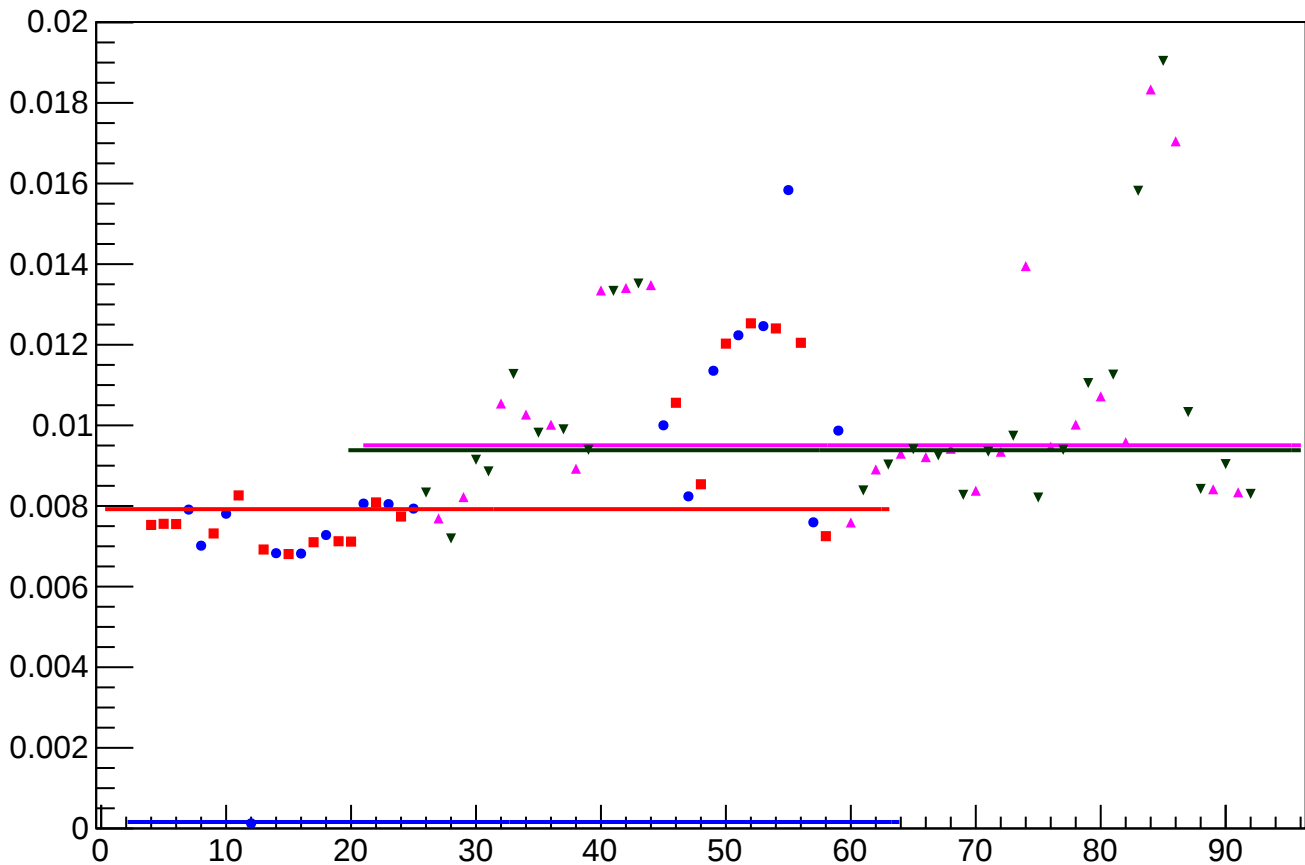
Right Out: -0.605+/-0.000 χ^2/NDF : 3819629229.5/18

Left In: -0.418+/-0.000 χ^2/NDF : 283066208.5/24

0.000+/-0.000 χ^2/NDF : 85706094390.0/44

-0.515+/-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 :921555.0/26

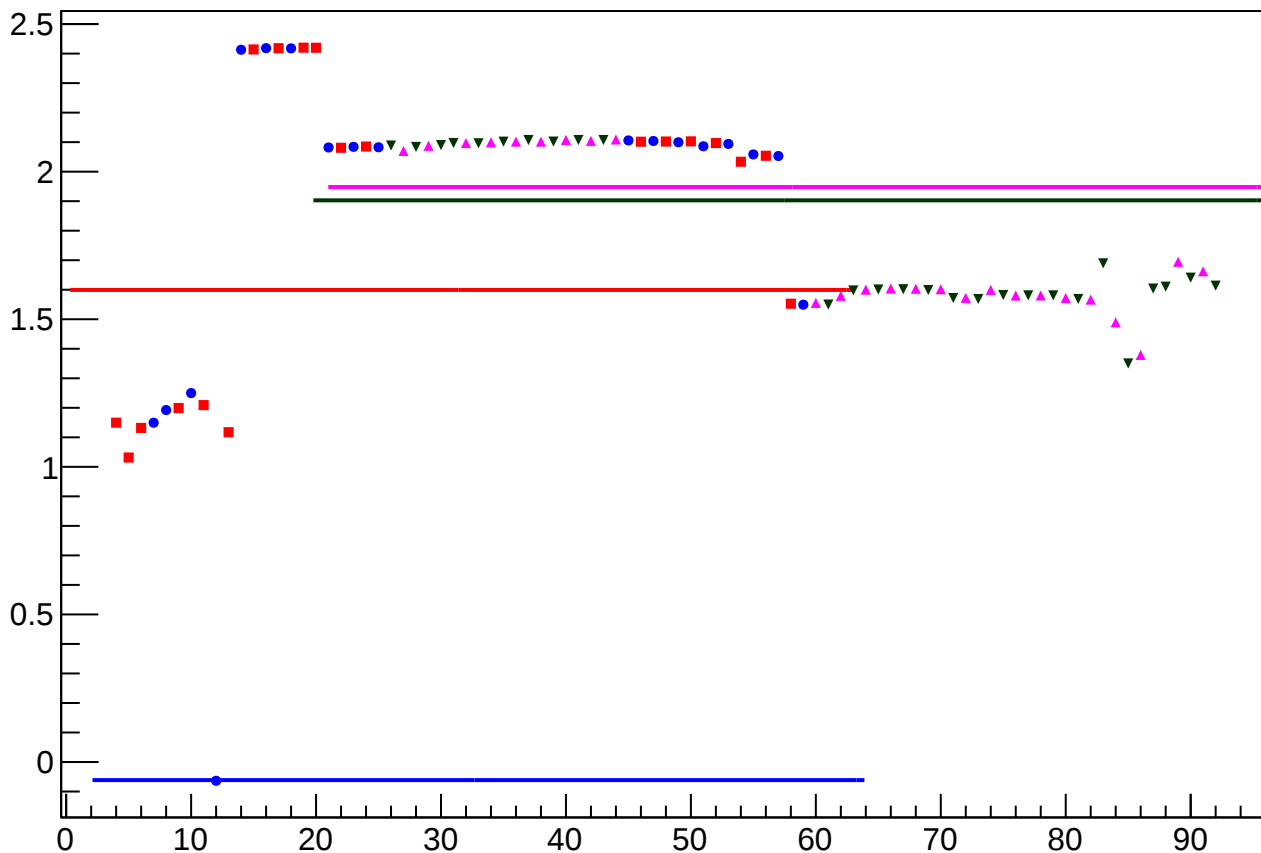
Right Out: 0.008+/-0.000 χ^2/NDF : 697414.3/18

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

0.000+/-0.000 χ^2/NDF : 45489953.5/44

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: 1.903 ± 0.000 χ^2/NDF : 2723238032.4/26

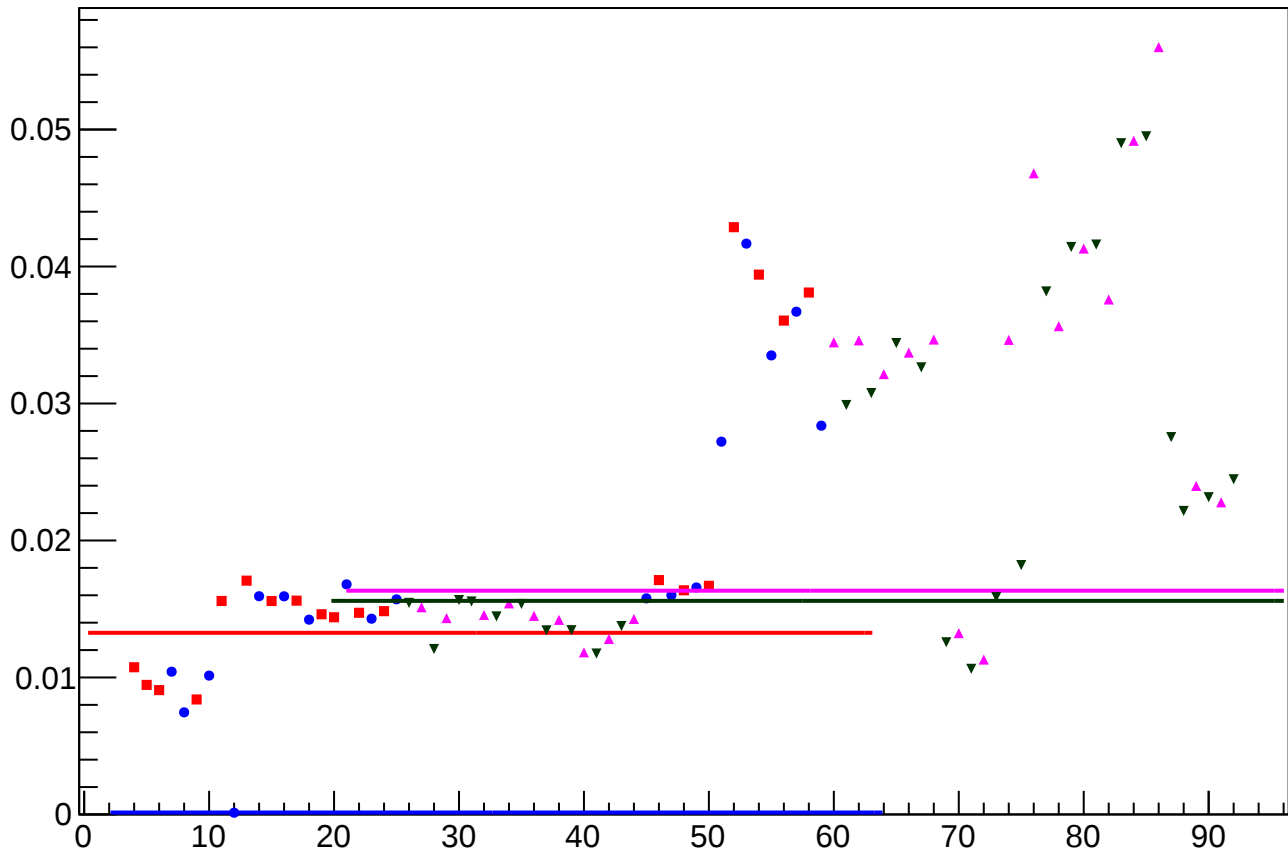
Right Out: 1.599 ± 0.000 χ^2/NDF : 13096029057.2/18

Left In: 1.948 ± 0.000 χ^2/NDF : 2083452251.1/24

-0.059 ± 0.000 χ^2/NDF : 340879491859.8/44

1.760 ± 0.000 χ^2/NDF : 17745204904.1/43

yield_bpm4acY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 19632783.5/17

Left Out: 0.016+/-0.000 χ^2/NDF : 3745161.7/26

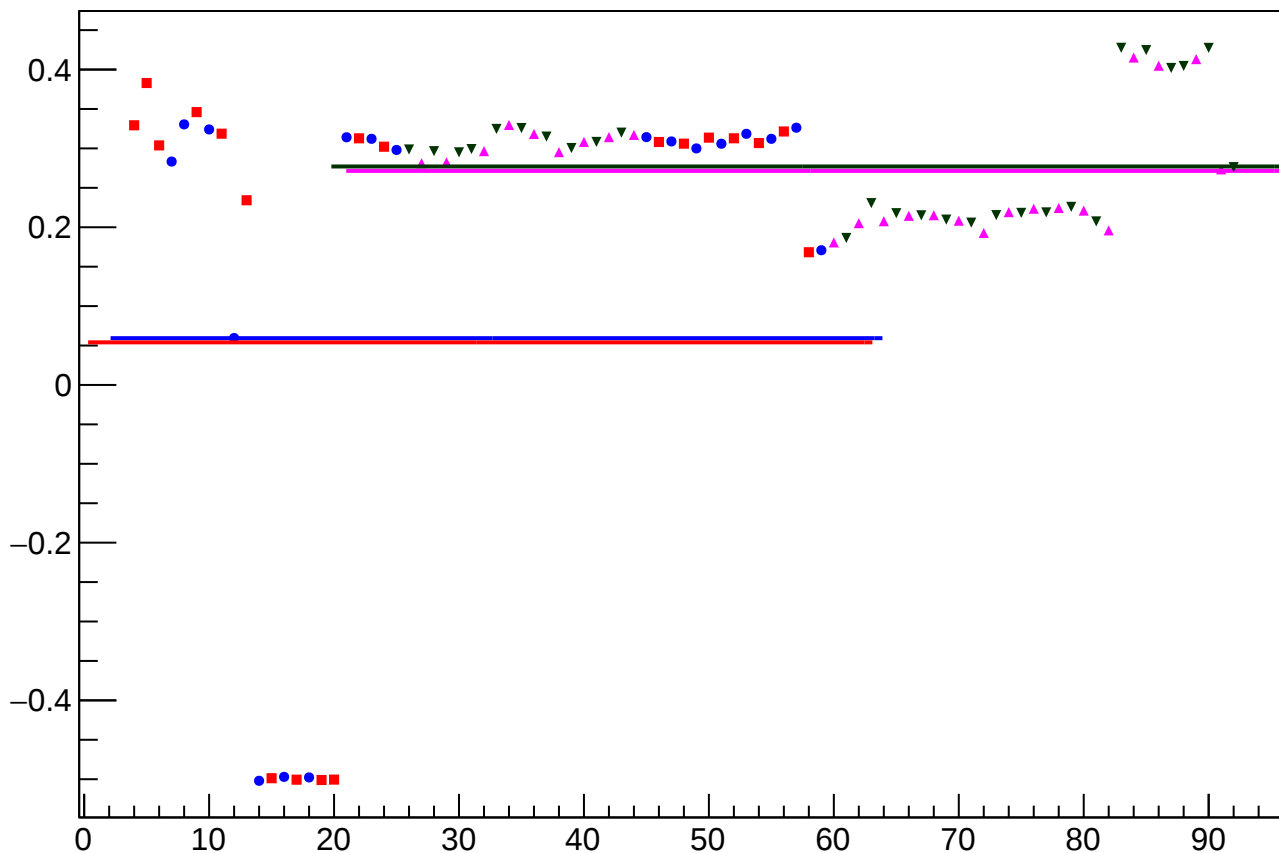
0.000+/-0.000 χ^2/NDF : 44060903.6/44

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

0.015+/-0.000 χ^2/NDF : 7380491.0/43

Left In: 0.016+/-0.000 χ^2/NDF : 4291256.8/24

yield_bpm4ecX_mean vs slug



Right In: 0.059 $\pm$ 0.000 χ^2 /NDF: 3888801914.2/17

Left Out: 0.277 $\pm$ 0.000 χ^2 /NDF: 61763708.0/26

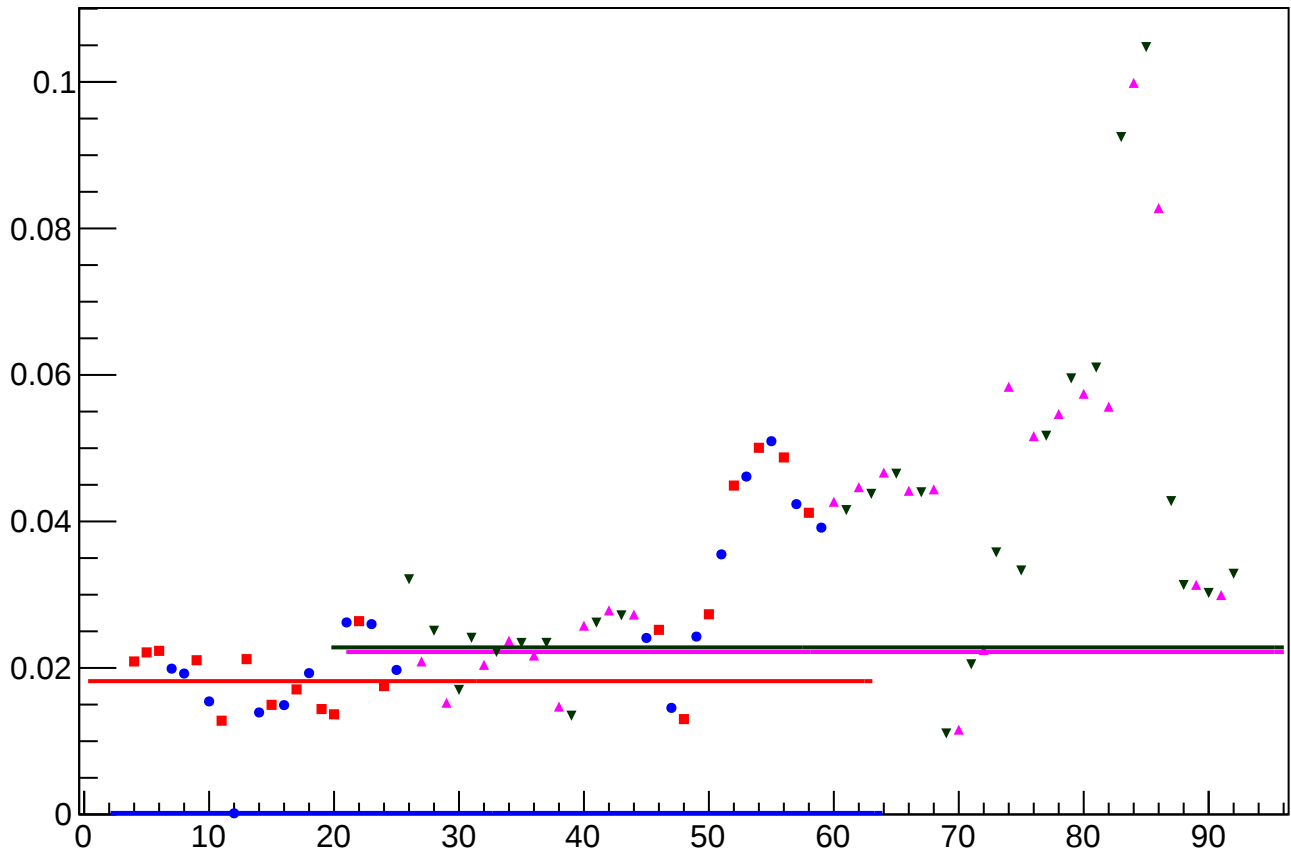
Right Out: 0.054 $\pm$ 0.000 χ^2 /NDF: 3509628523.3/18

Left In: 0.271 $\pm$ 0.000 χ^2 /NDF: 50471375.6/24

0.060 $\pm$ 0.000 χ^2 /NDF: 4870679653.3/44

0.152 $\pm$ 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 : 5309305.9/26

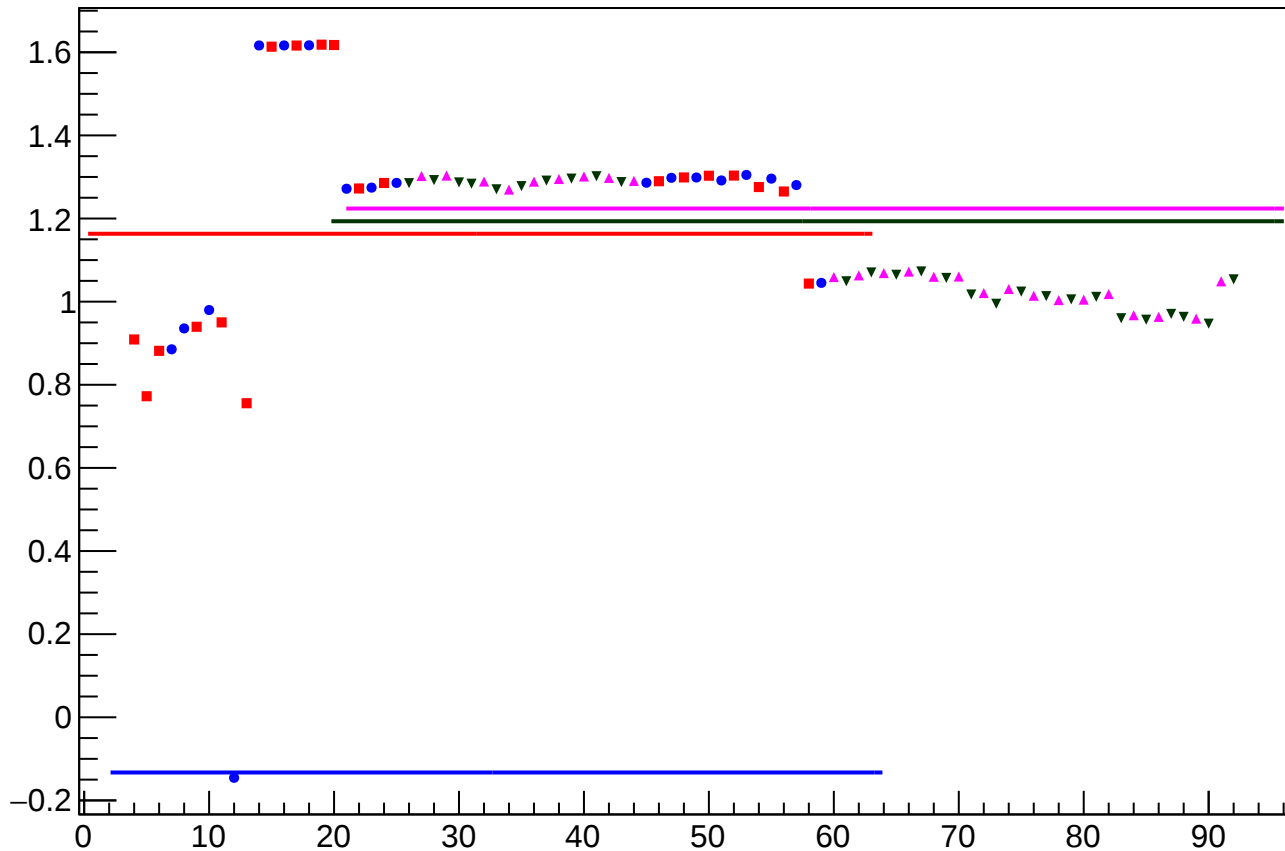
Right Out: 0.018+/-0.000 χ^2/NDF : 2422437.2/18

Left In: 0.022+/-0.000 χ^2/NDF : 5779018.6/24

0.000+/-0.000 χ^2/NDF : 44877224.1/44

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: 1.193+/-0.000 χ^2/NDF :1325975878.2/26

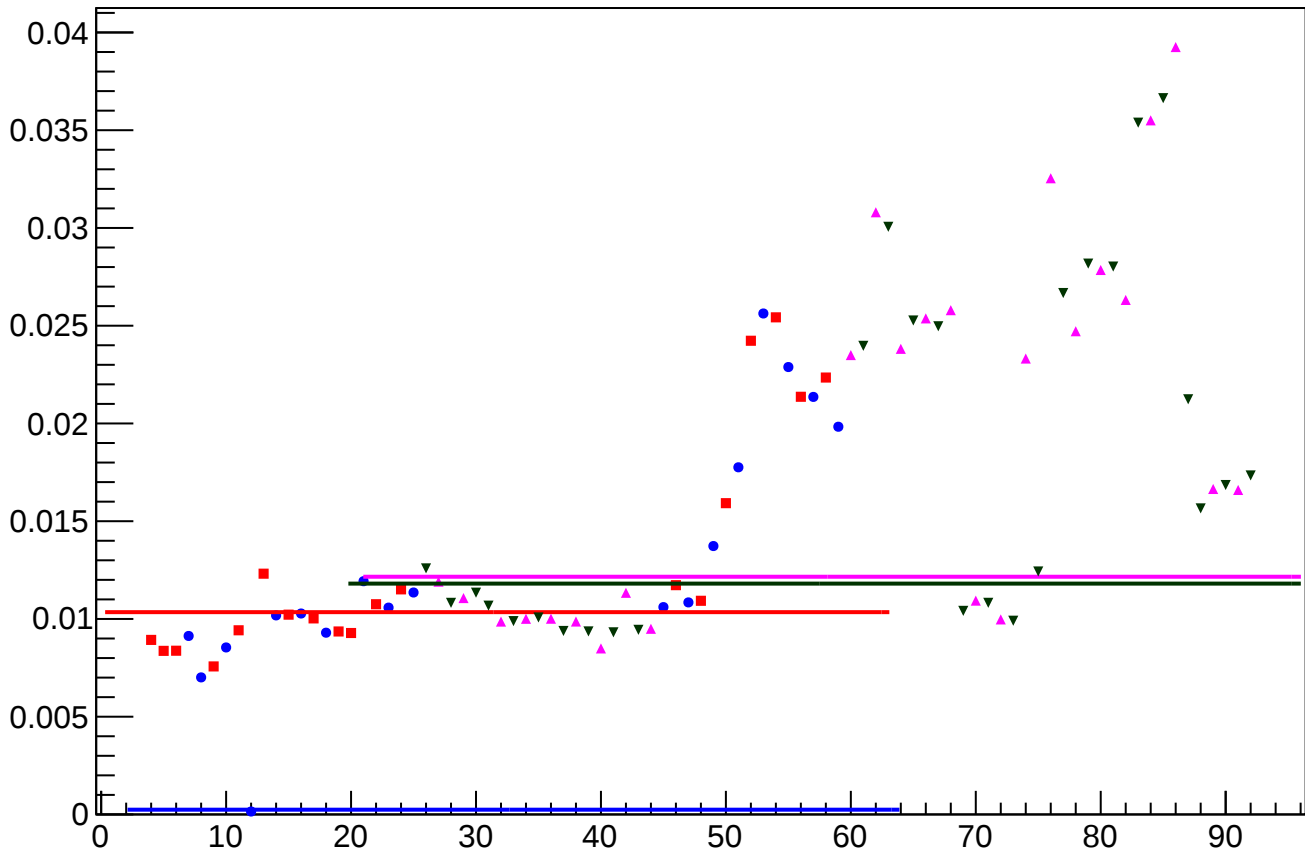
-0.122+/-0.000 χ^2/NDF : 305235398944.1/44

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 : 3471043.5/26

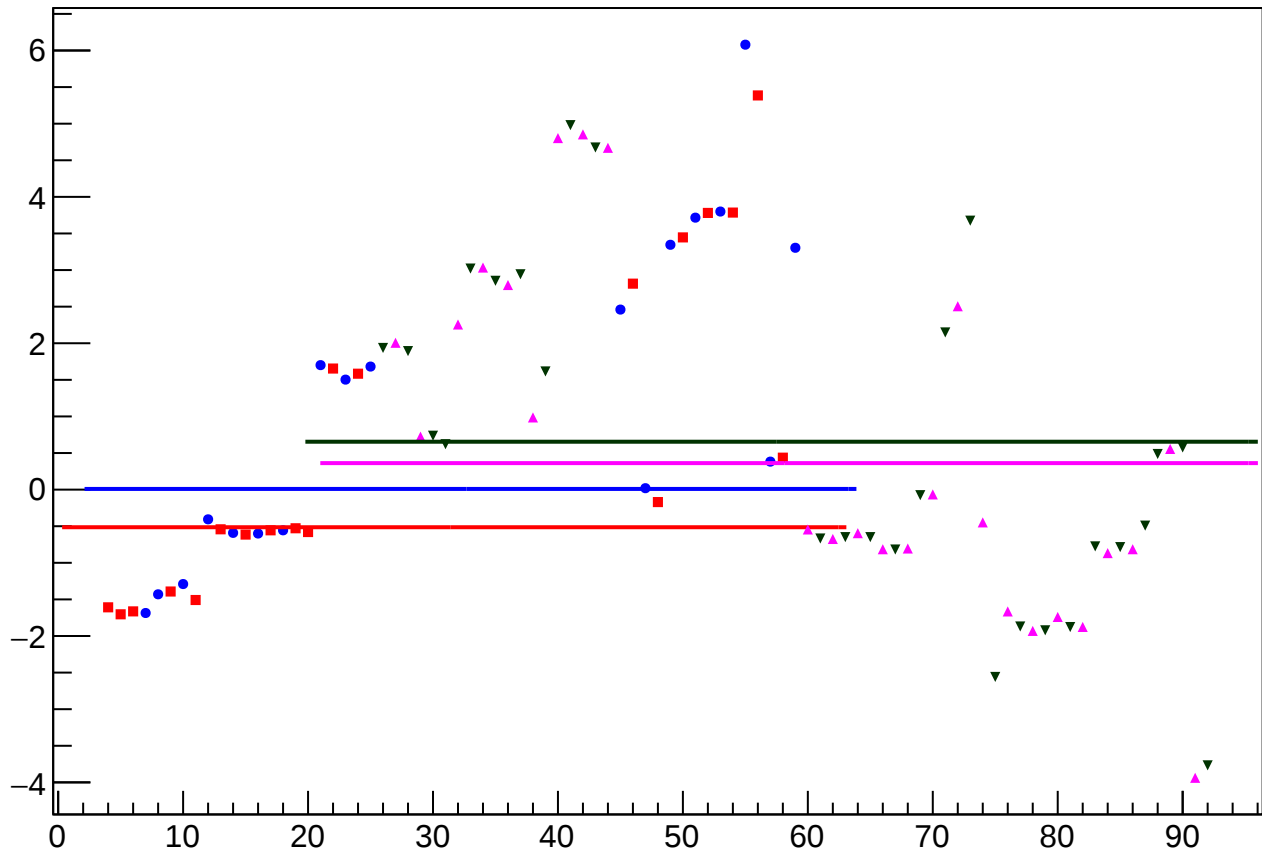
Right Out: 0.010+/-0.000 χ^2/NDF : 1619353.0/18

Left In: 0.012+/-0.000 χ^2/NDF : 4102483.0/24

0.000+/-0.000 χ^2/NDF : 43141406.4/44

0.011+/-0.000 χ^2/NDF : 5968219.6/43

yield_bpm1X_mean vs slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 18135045883.2/17

Left Out: 0.655 $\pm$ 0.000 χ^2 /NDF: 5164443143.2/26

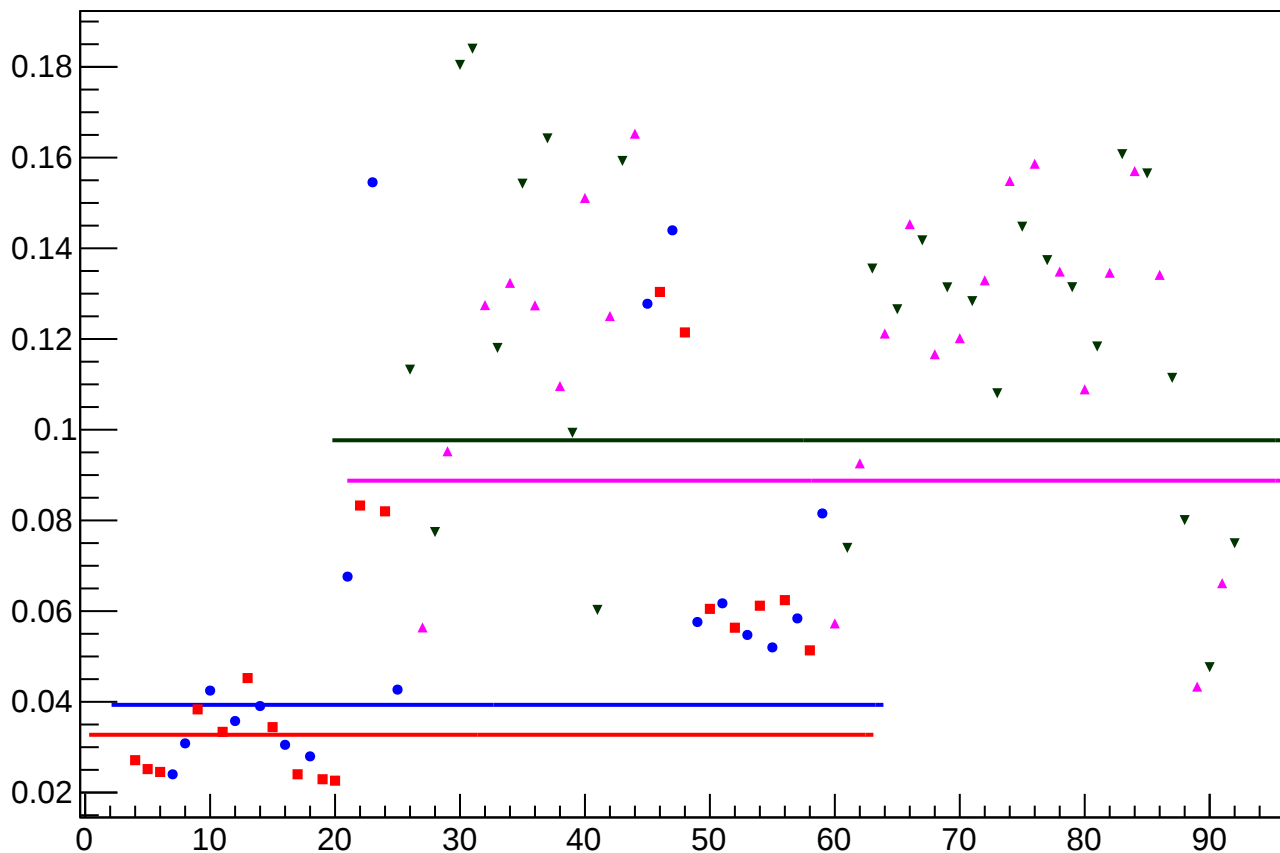
0.122 $\pm$ 0.000 χ^2 /NDF: 23644182220.2/44

Right Out: -0.514 $\pm$ 0.000 χ^2 /NDF: 14474436949.2/18

-0.369 $\pm$ 0.000 χ^2 /NDF: 19832767077.4/43

Left In: 0.362 $\pm$ 0.000 χ^2 /NDF: 4583124833.0/24

yield_bpm1X_rms vs slug



Right In: 0.039+/-0.000 χ^2/NDF : 3078164.7/17

Left Out: 0.098+/-0.000 χ^2/NDF :3010939.8/26

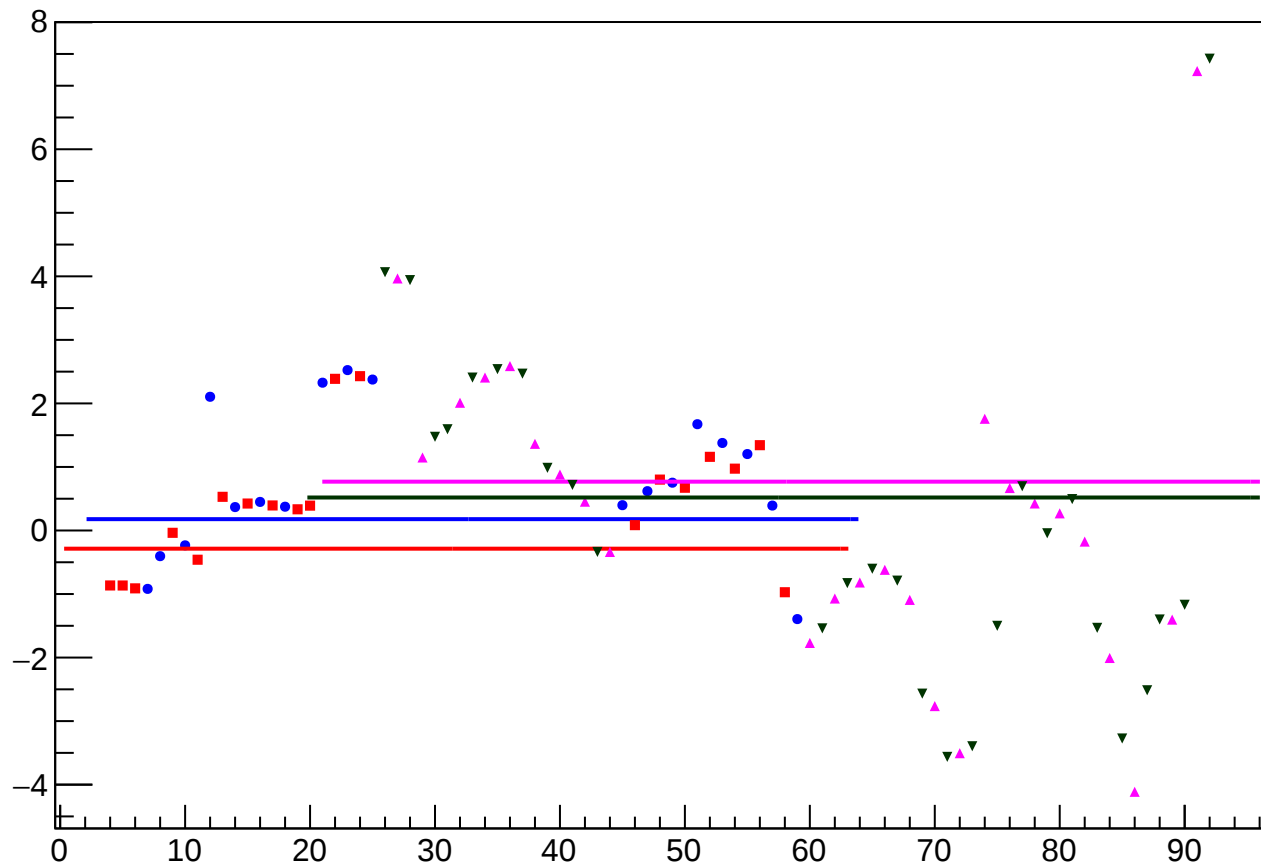
Right Out: 0.033+/-0.000 χ^2/NDF : 2838022.5/18

Left In: 0.089+/-0.000 χ^2/NDF :3717626.9/24

0.049+/-0.000 χ^2/NDF : 11726187.2/44

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: 0.519 ± 0.000 χ^2/NDF : 14911677957.9/26

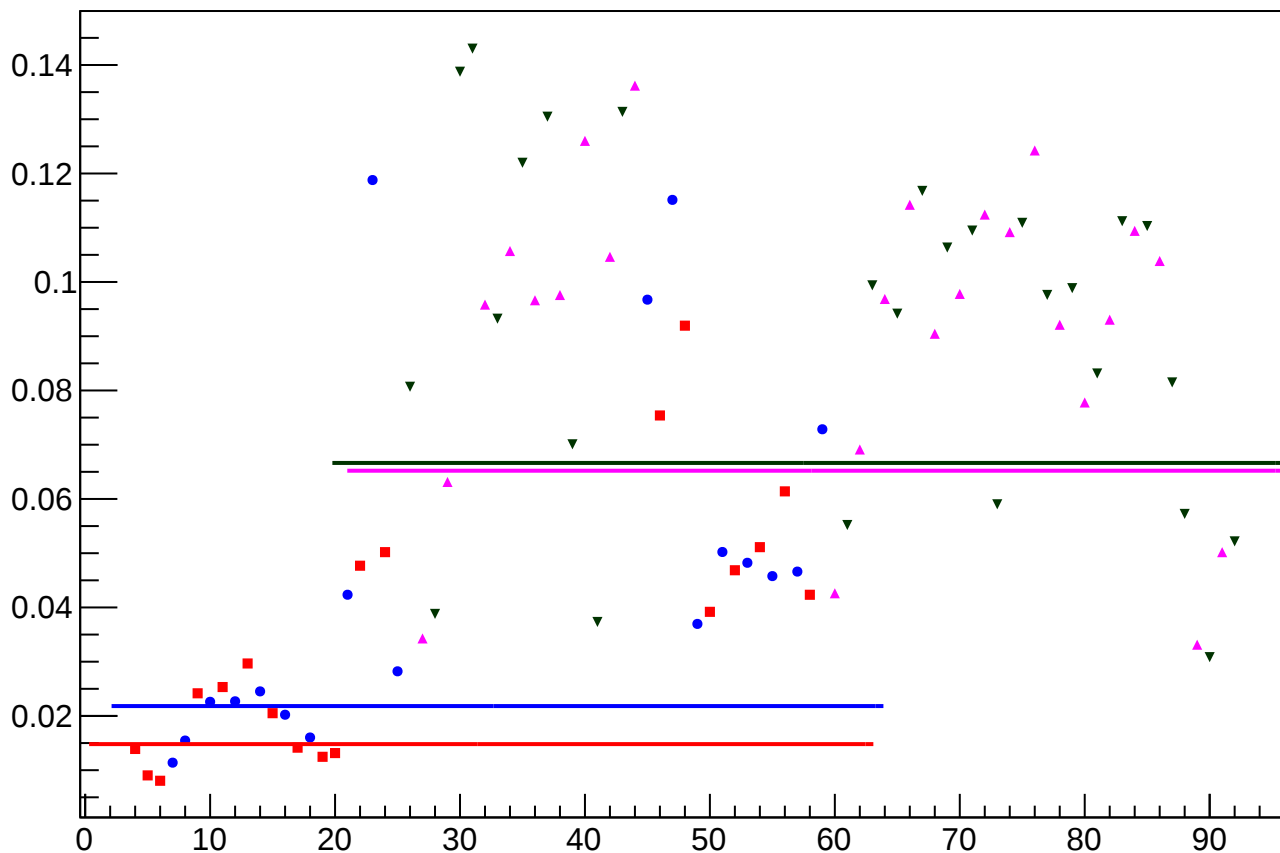
0.224 ± 0.000 χ^2/NDF : 24585747696.9/44

Right Out: -0.286 ± 0.000 χ^2/NDF : 10734675455.5/18

-0.194 ± 0.000 χ^2/NDF : 28830544196.7/43

Left In: 0.768 ± 0.000 χ^2/NDF : 15966453403.4/24

yield_bpm1Y_rms vs slug



Right In: 0.022+/-0.000 χ^2/NDF : 4669284.8/17

Left Out: 0.067+/-0.000 χ^2/NDF : 4003273.1/26

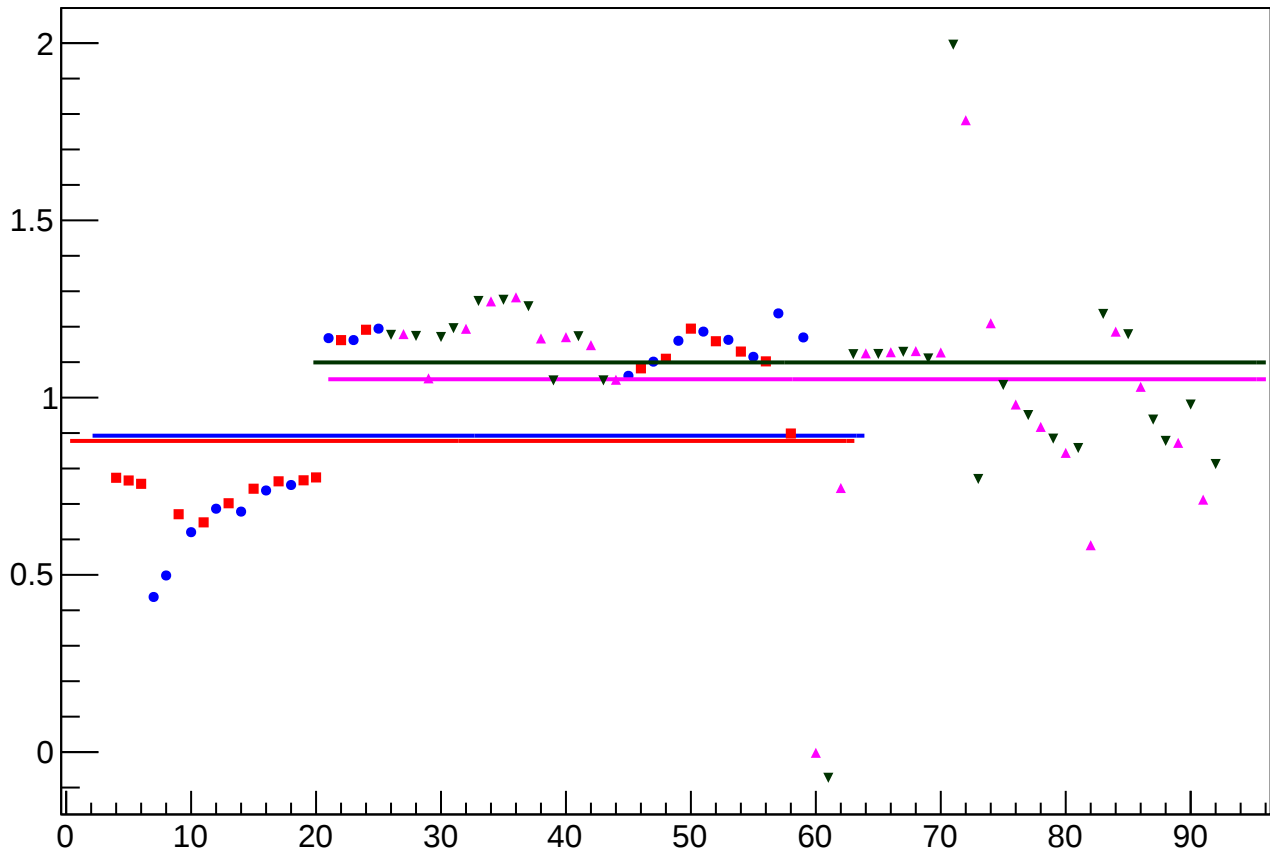
Right Out: 0.015+/-0.000 χ^2/NDF : 4938559.5/18

Left In: 0.065+/-0.000 χ^2/NDF : 4202015.2/24

0.028+/-0.000 χ^2/NDF : 15293522.6/44

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: 1.099+/-0.000 χ^2/NDF : 2279683520.8/26

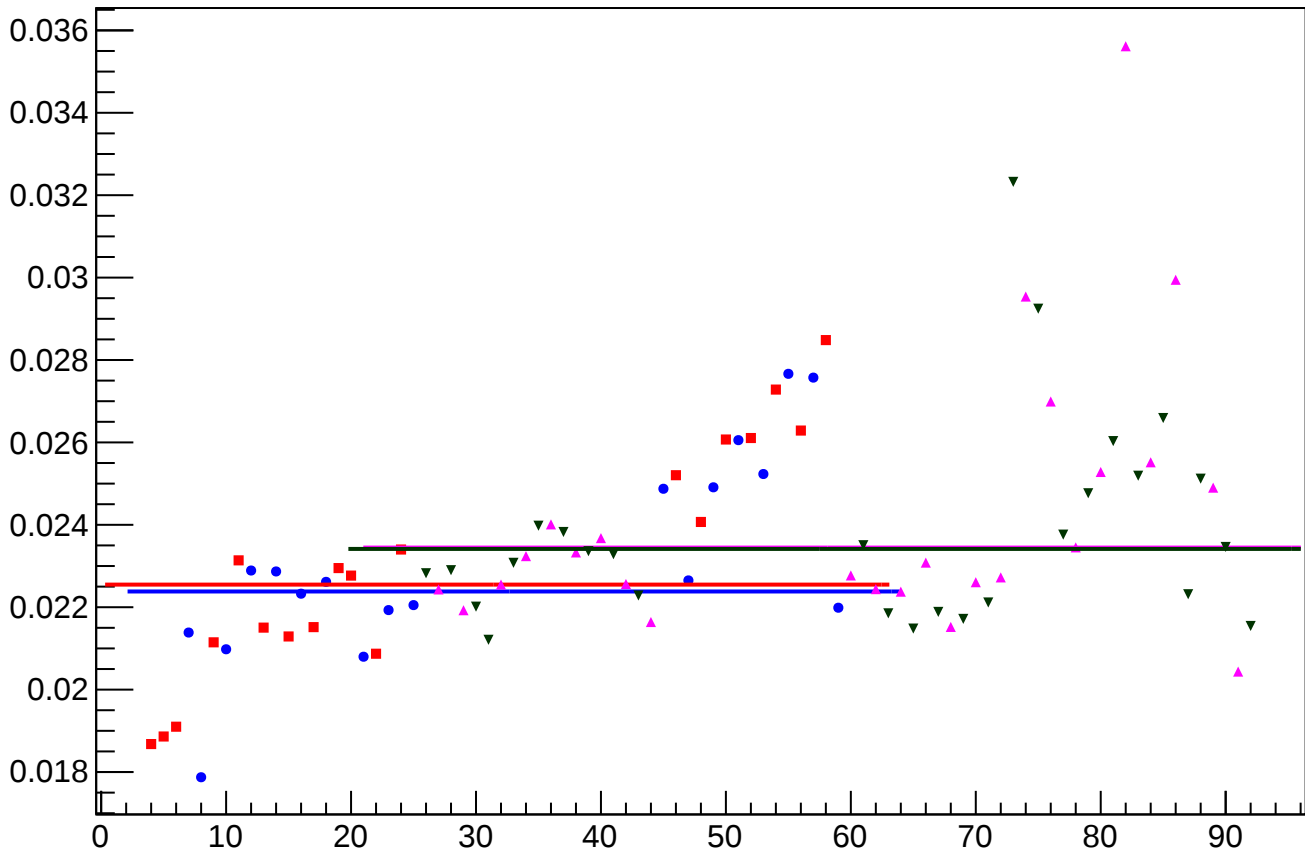
Right Out: 0.878+/-0.000 χ^2/NDF : 761495098.5/18

Left In: 1.052+/-0.000 χ^2/NDF : 2081142934.7/24

1.000+/-0.000 χ^2/NDF : 4387488994.3/44

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 :200890.0/26

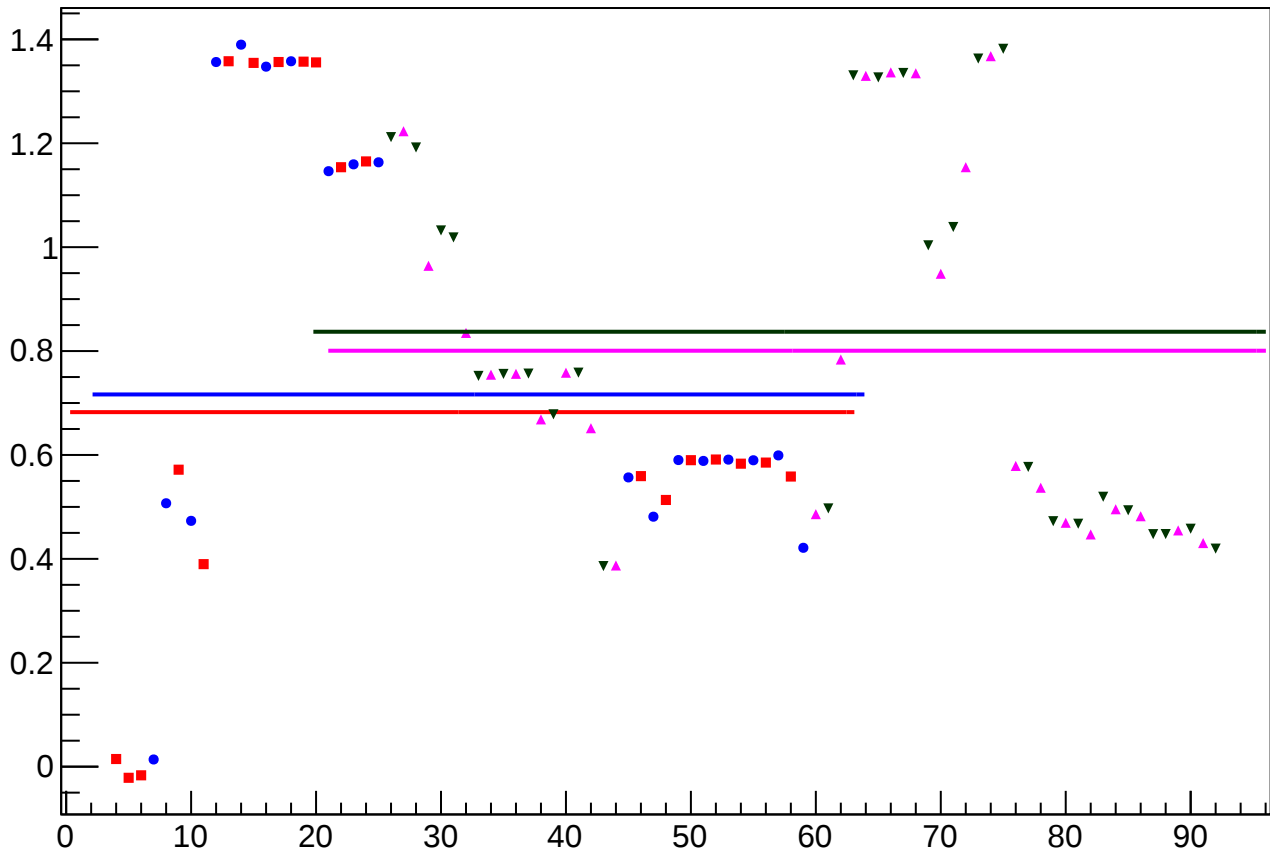
Right Out: 0.023+/-0.000 χ^2/NDF : 246194.4/18

Left In: 0.023+/-0.000 χ^2/NDF :277688.6/24

0.023+/-0.000 χ^2/NDF : 489411.8/44

0.023+/-0.000 χ^2/NDF : 540736.0/43

yield_bpm11Y_mean vs slug



Right In: 0.716+/-0.000 χ^2/NDF : 131330740430.7/17

Left Out: 0.837+/-0.000 χ^2/NDF :136313873506.1/26

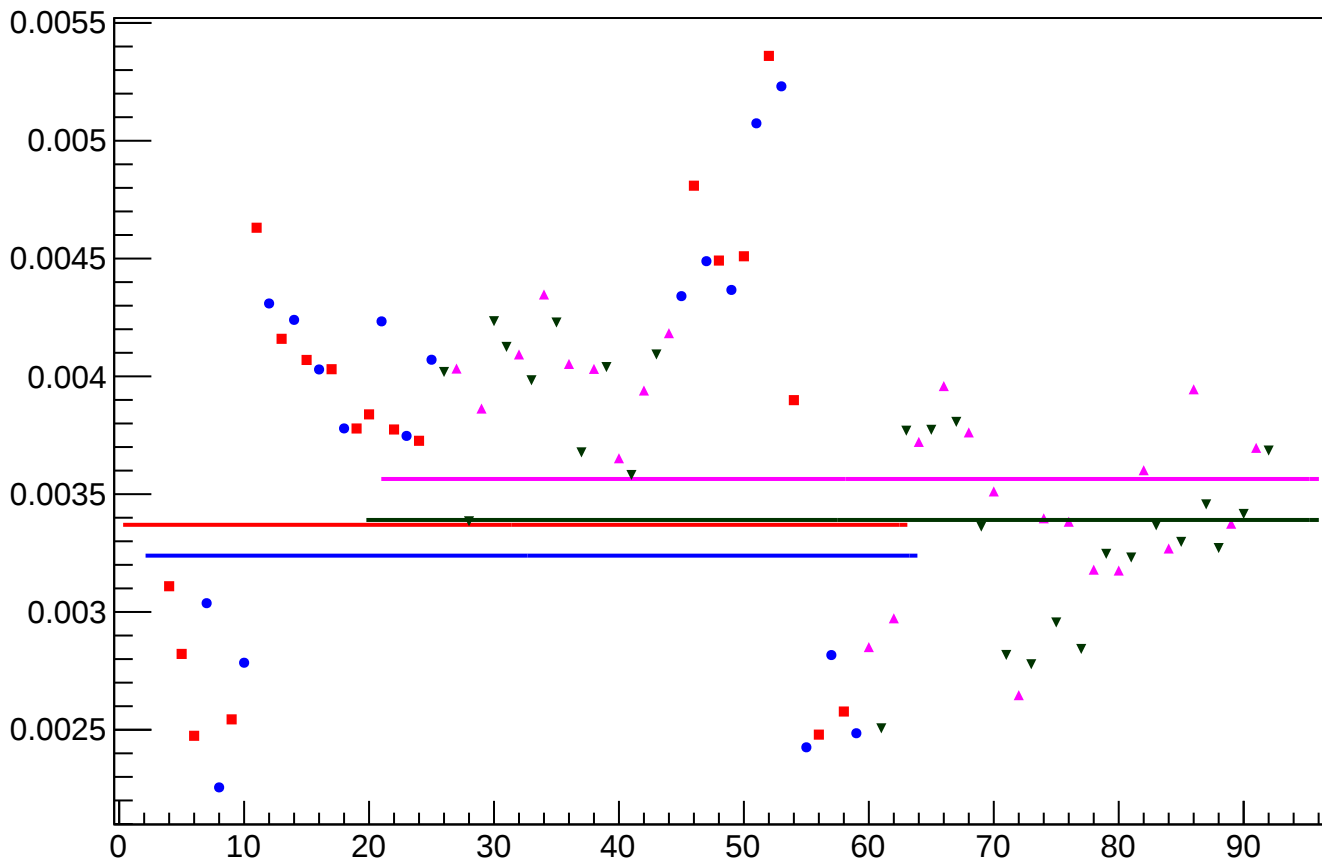
0.781+/-0.000 χ^2/NDF : 275079543170.5/44

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 : 501725.8/26

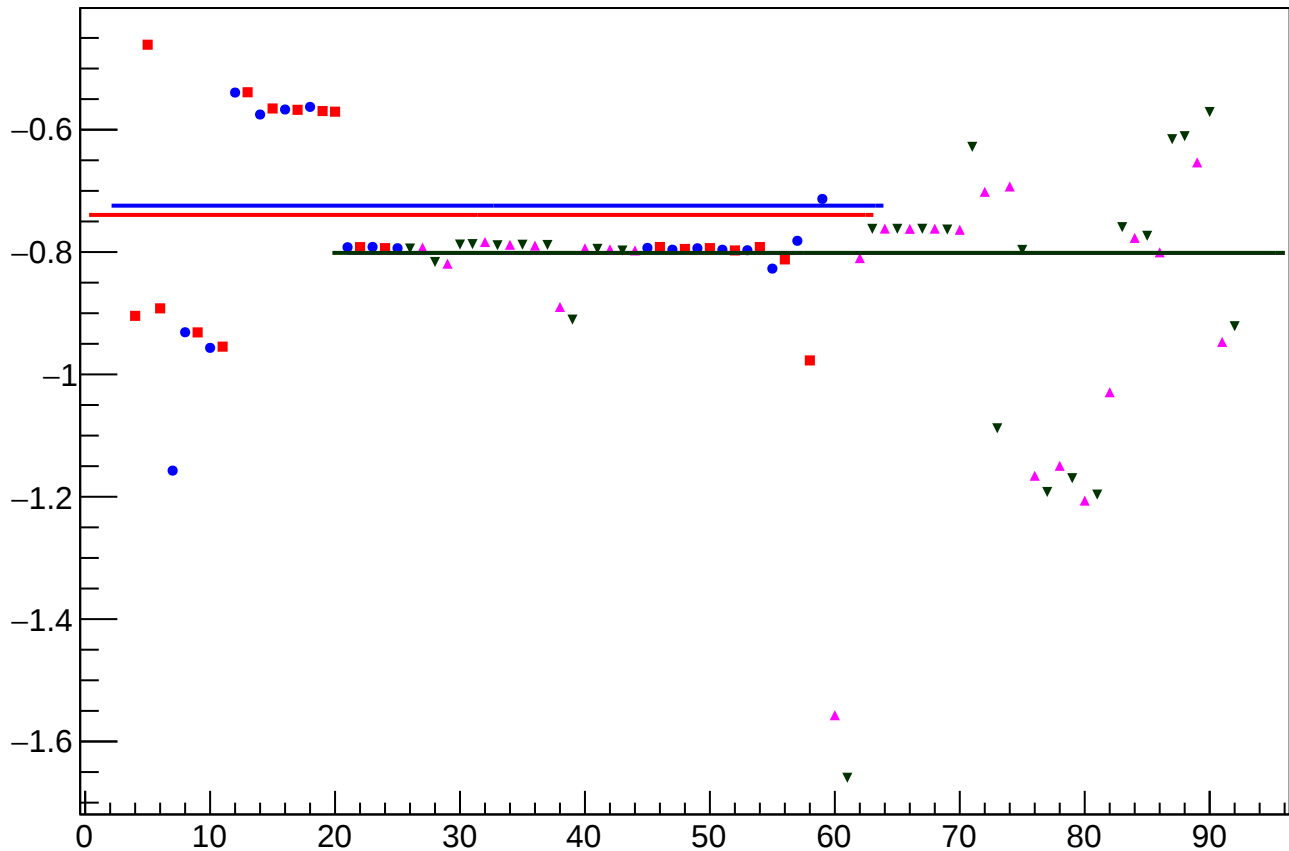
Right Out: 0.003+/-0.000 χ^2/NDF : 1158167.7/18

Left In: 0.004+/-0.000 χ^2/NDF : 408807.3/24

0.003+/-0.000 χ^2/NDF : 2077950.5/44

0.003+/-0.000 χ^2/NDF : 1600543.5/43

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 : 1071351926.5/26

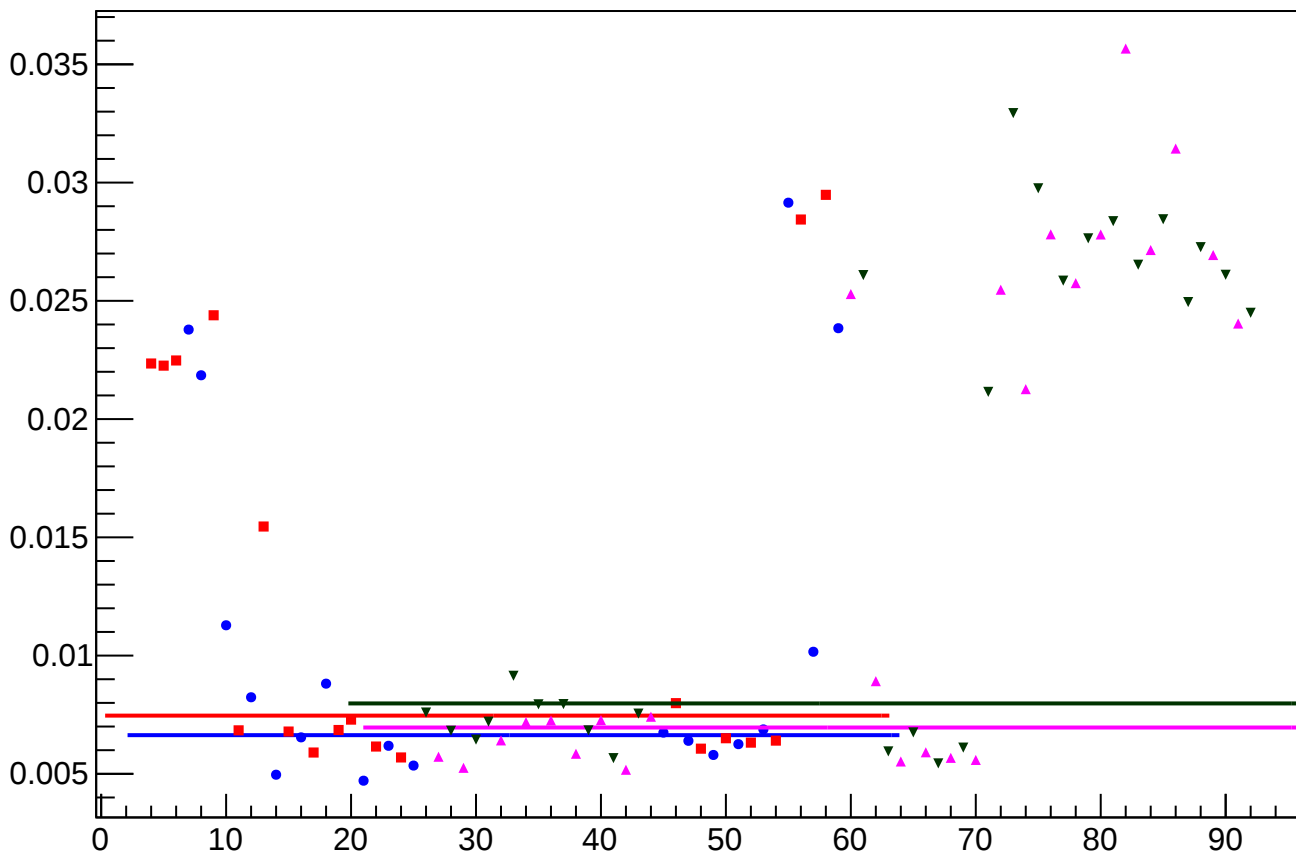
Right Out: -0.739+/-0.000 χ^2/NDF : 1945829237.2/18

Left In: -0.802+/-0.000 χ^2/NDF : 991012900.5/24

-0.758+/-0.000 χ^2/NDF : 3739424521.5/44

-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 : 6331428.6/26

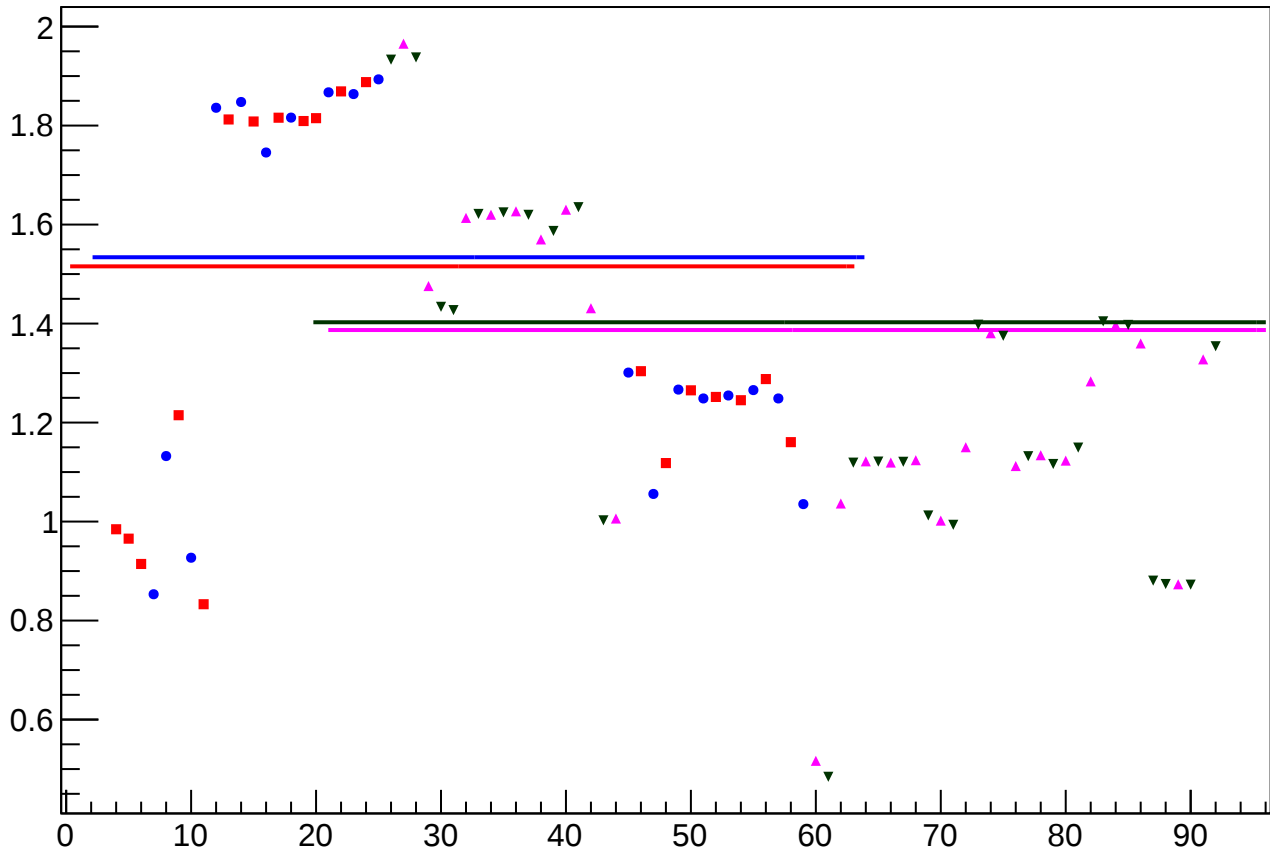
Right Out: 0.007+/-0.000 χ^2/NDF : 3478880.3/18

Left In: 0.007+/-0.000 χ^2/NDF : 6300185.5/24

0.007+/-0.000 χ^2/NDF : 9935144.6/44

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:19817315254.3/26

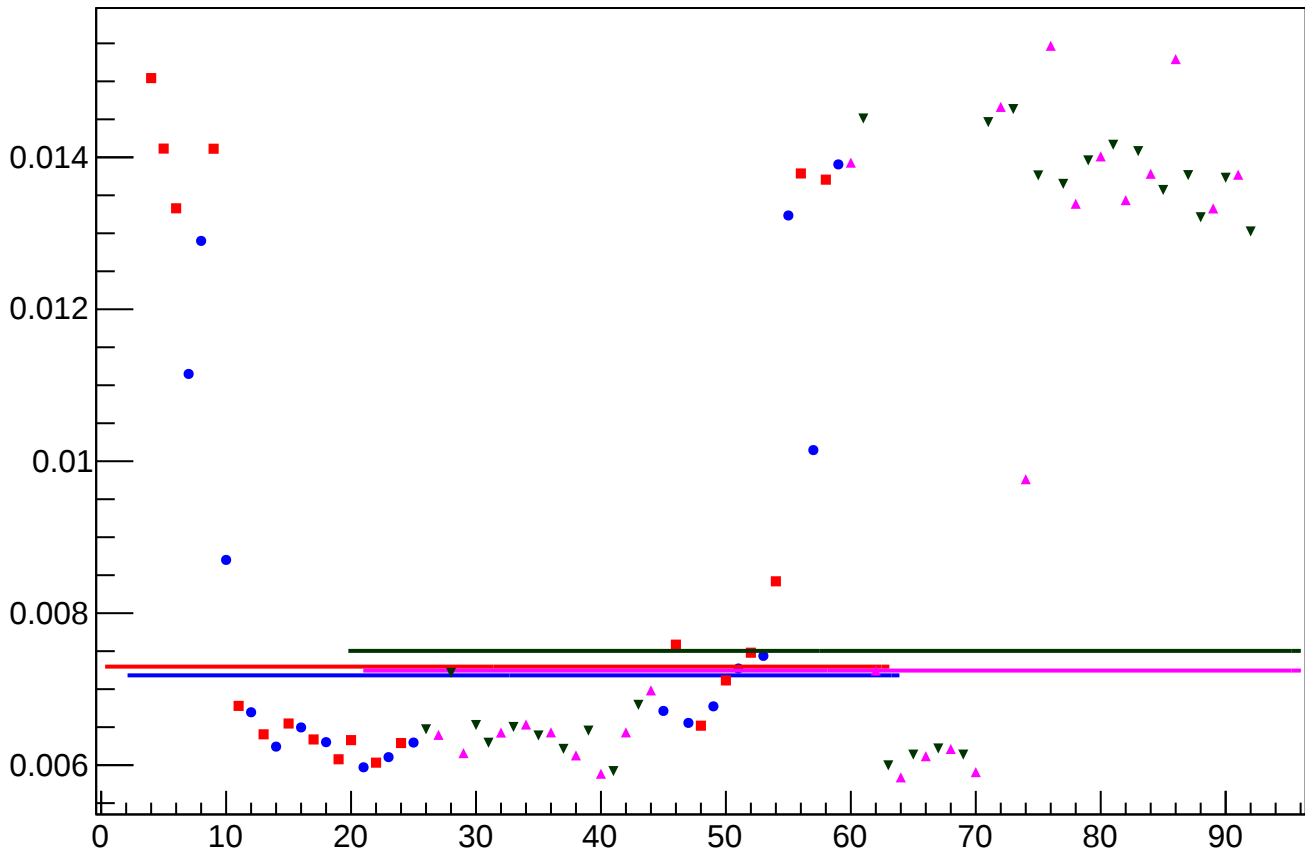
Right Out: 1.516 $\pm$ 0.000 χ^2 /NDF: 21754735470.0/18

Left In: 1.387 $\pm$ 0.000 χ^2 /NDF:20554172994.5/24

1.467 $\pm$ 0.000 χ^2 /NDF: 43878534871.5/44

1.441 $\pm$ 0.000 χ^2 /NDF: 43832937049.9/43

yield_bpm12Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 1305539.8/17

Left Out: 0.008+/-0.000 χ^2/NDF : 2900893.9/26

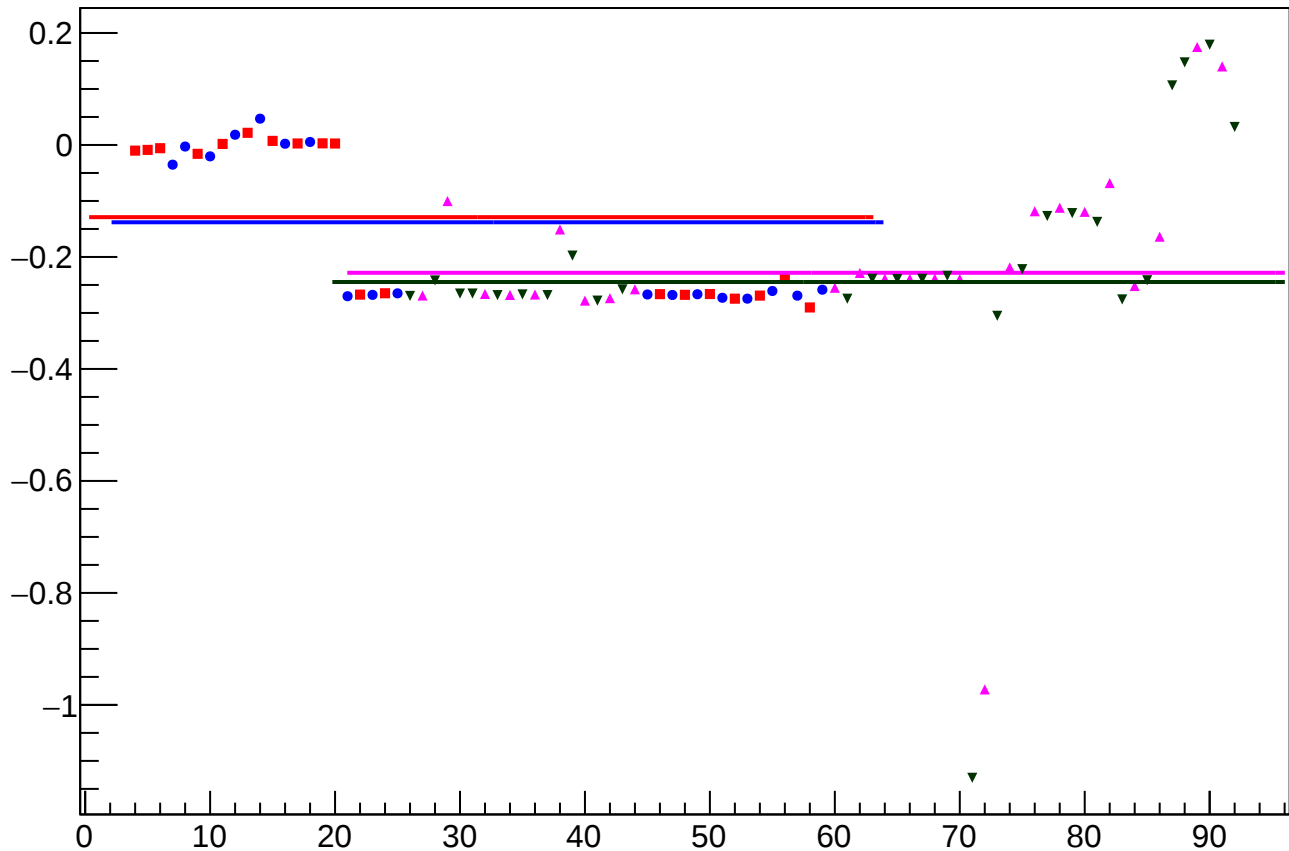
Right Out: 0.007+/-0.000 χ^2/NDF : 1457854.6/18

Left In: 0.007+/-0.000 χ^2/NDF : 2755568.9/24

0.007+/-0.000 χ^2/NDF : 4226466.0/44

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: -0.245+/-0.000 χ^2/NDF : 8457539471.6/26

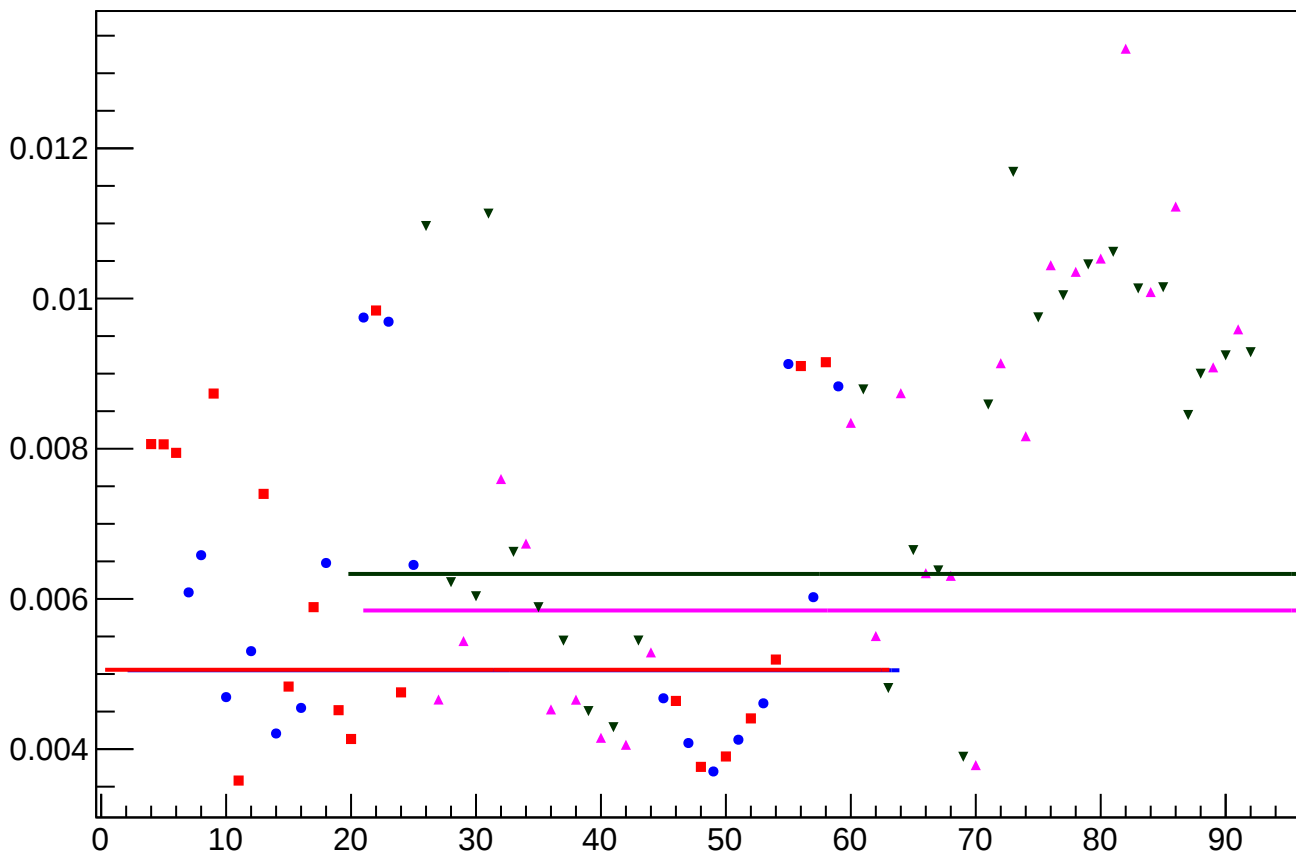
-0.184+/-0.000 χ^2/NDF : 17536549335.4/44

Right Out: -0.129+/-0.000 χ^2/NDF : 5878929515.5/18

-0.179+/-0.000 χ^2/NDF : 12869800183.5/43

Left In: -0.228+/-0.000 χ^2/NDF : 5391877523.4/24

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 : 2687525.6/26

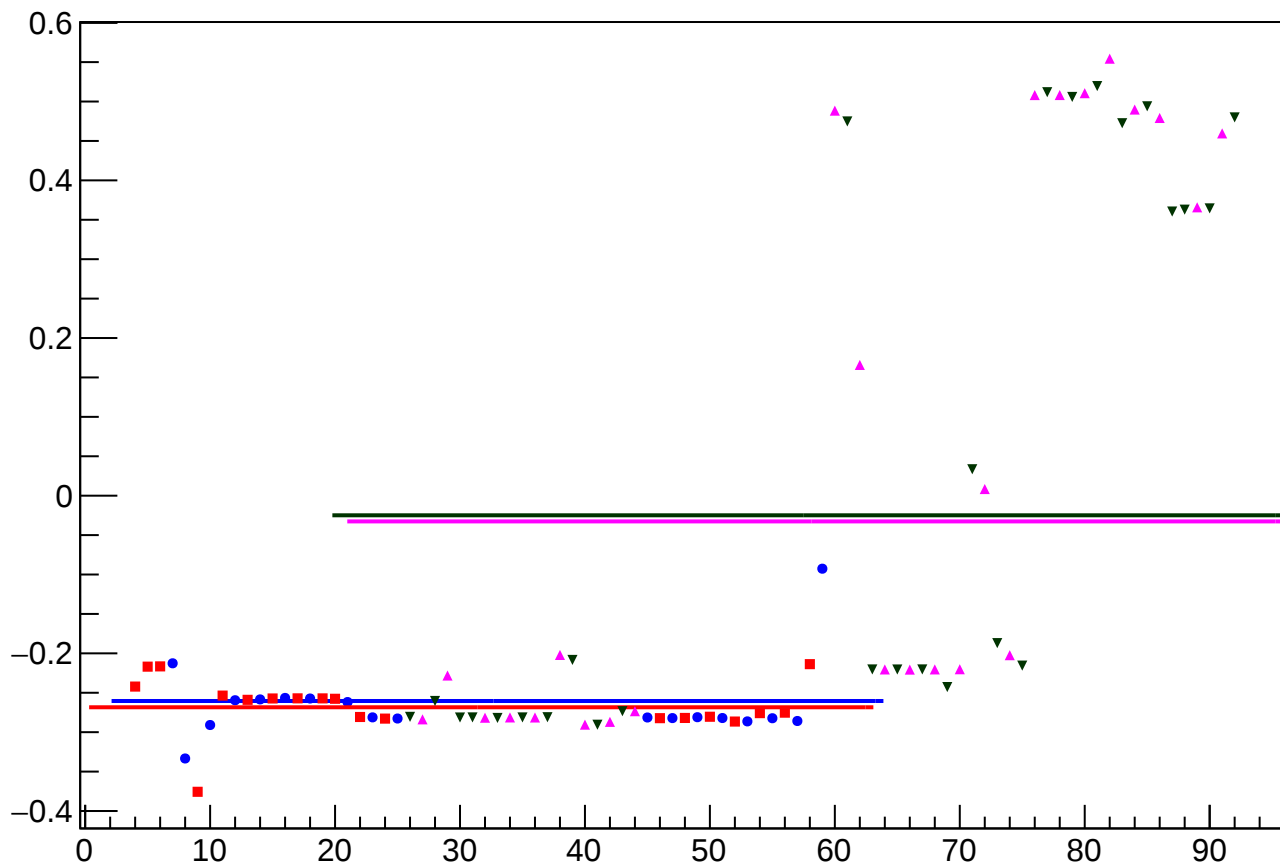
Right Out: 0.005+/-0.000 χ^2/NDF : 1822469.4/18

Left In: 0.006+/-0.000 χ^2/NDF : 2904099.5/24

0.006+/-0.000 χ^2/NDF : 4873762.5/44

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: -0.025+/-0.000 χ^2/NDF : 168983518005.2/26

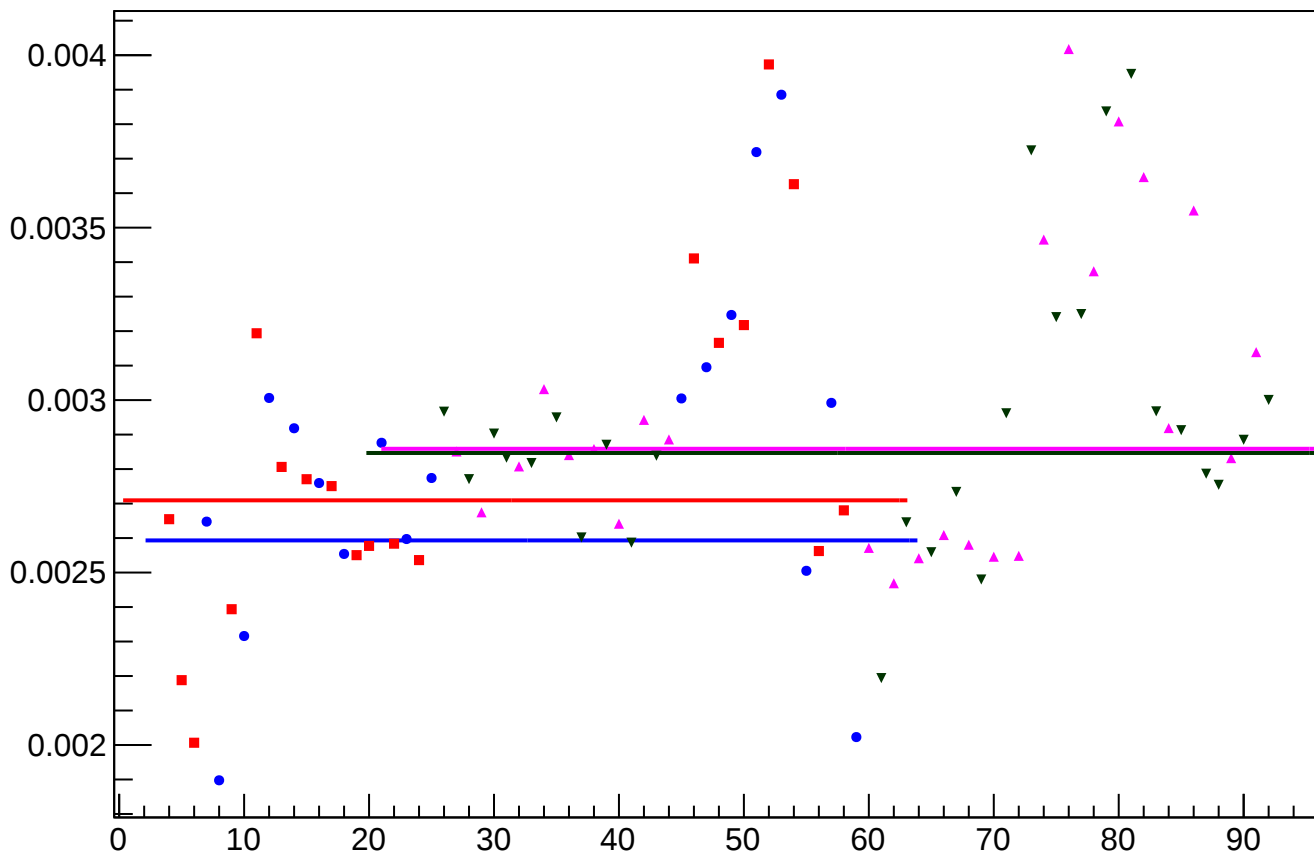
Right Out: -0.268+/-0.000 χ^2/NDF : 2185355194.4/18

Left In: -0.033+/-0.000 χ^2/NDF : 161251187664.3/24

-0.142+/-0.000 χ^2/NDF : 219320823560.9/44

-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 : 376052.3/26

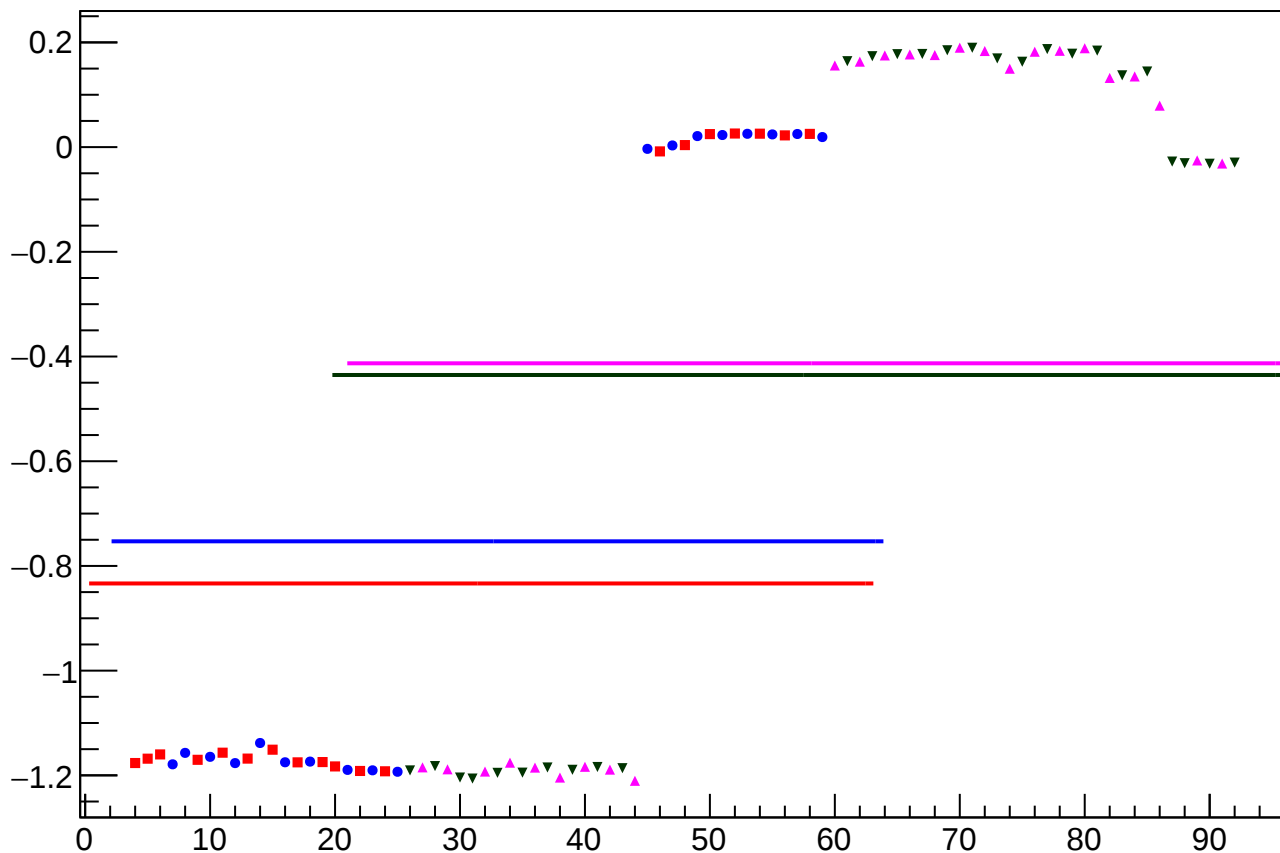
Right Out: 0.003+/-0.000 χ^2/NDF : 476230.4/18

Left In: 0.003+/-0.000 χ^2/NDF : 407869.9/24

0.003+/-0.000 χ^2/NDF : 1250833.2/44

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: -0.435+/-0.000 χ^2/NDF : 81735629392.8/26

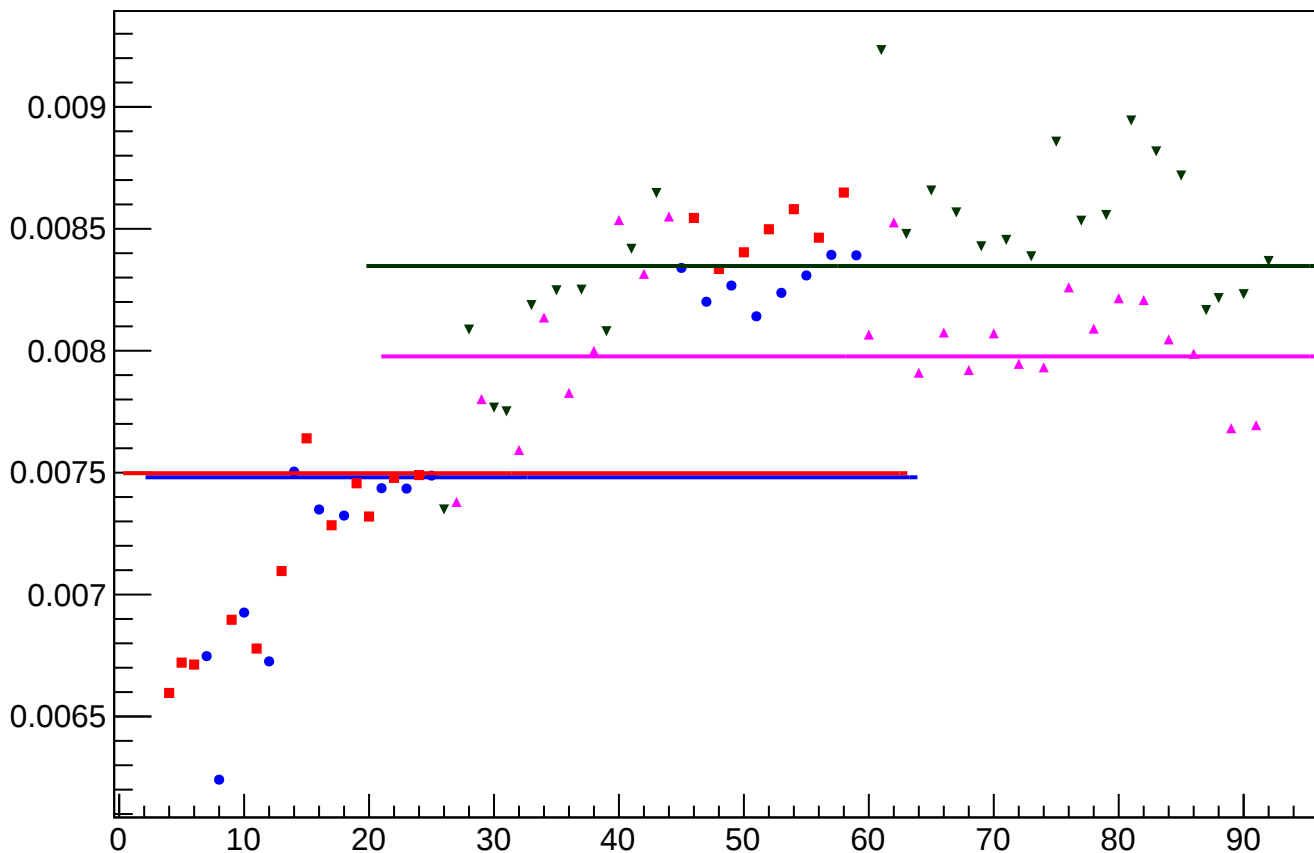
Right Out: -0.833+/-0.000 χ^2/NDF : 50332816661.3/18

Left In: -0.413+/-0.000 χ^2/NDF : 92074063594.0/24

-0.598+/-0.000 χ^2/NDF : 155012237446.5/44

-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 :56793.6/26

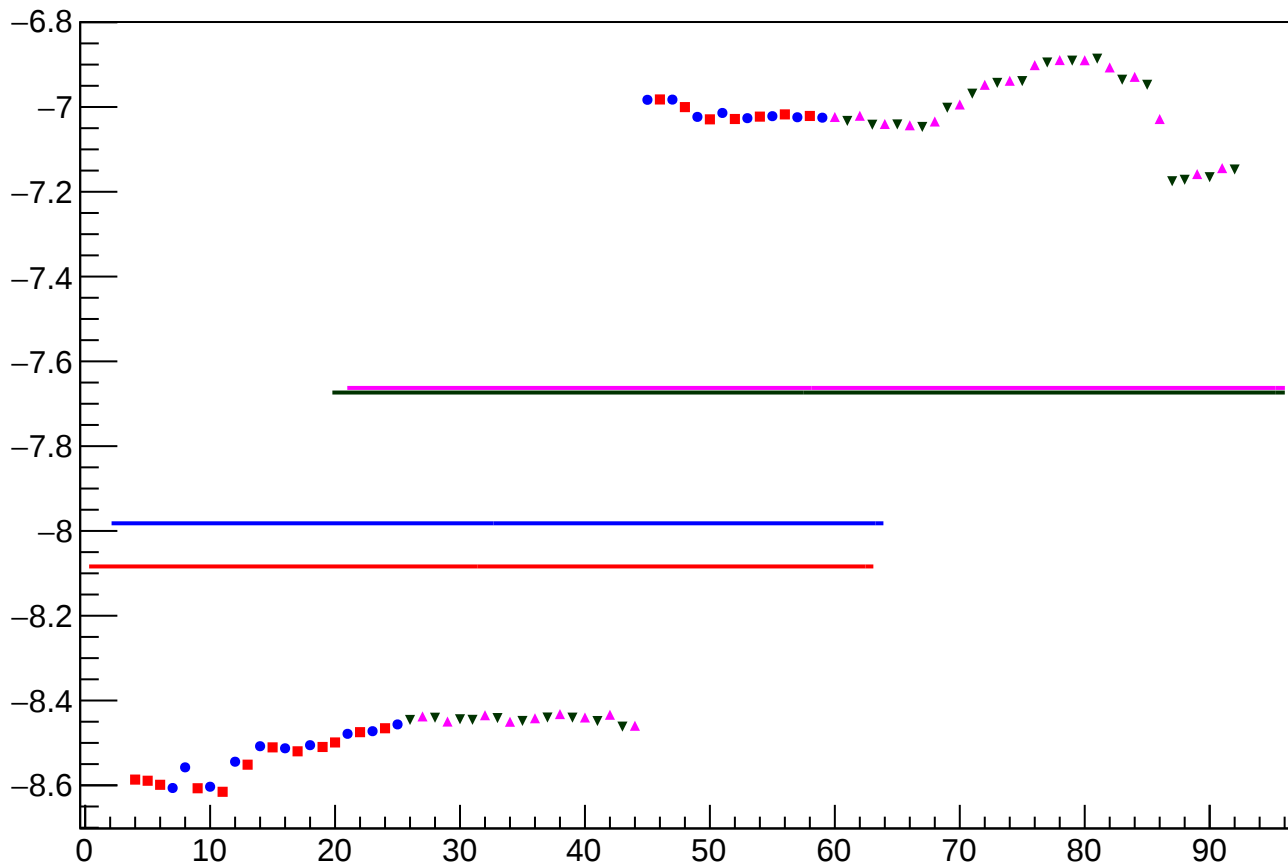
Right Out: 0.007+/-0.000 χ^2/NDF : 167417.2/18

Left In: 0.008+/-0.000 χ^2/NDF :37667.8/24

0.008+/-0.000 χ^2/NDF : 397959.5/44

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: -7.674+/-0.000 χ^2/NDF : 116545745299.6/26

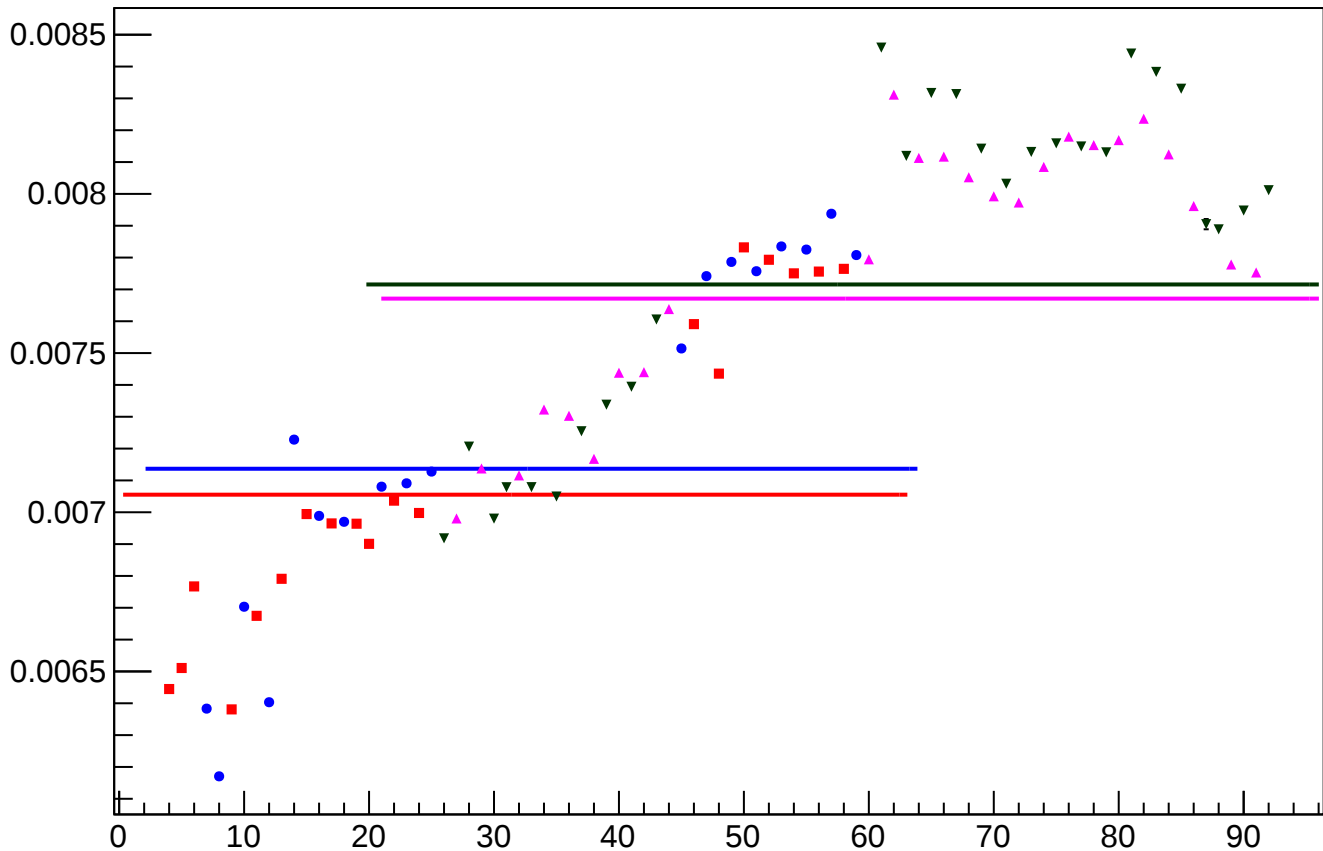
-7.826+/-0.000 χ^2/NDF : 243586334329.5/44

Right Out: -8.084+/-0.000 χ^2/NDF : 99506540389.5/18

-7.857+/-0.000 χ^2/NDF : 240922729614.7/43

Left In: -7.663+/-0.000 χ^2/NDF : 122364488424.6/24

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 :123024.5/26

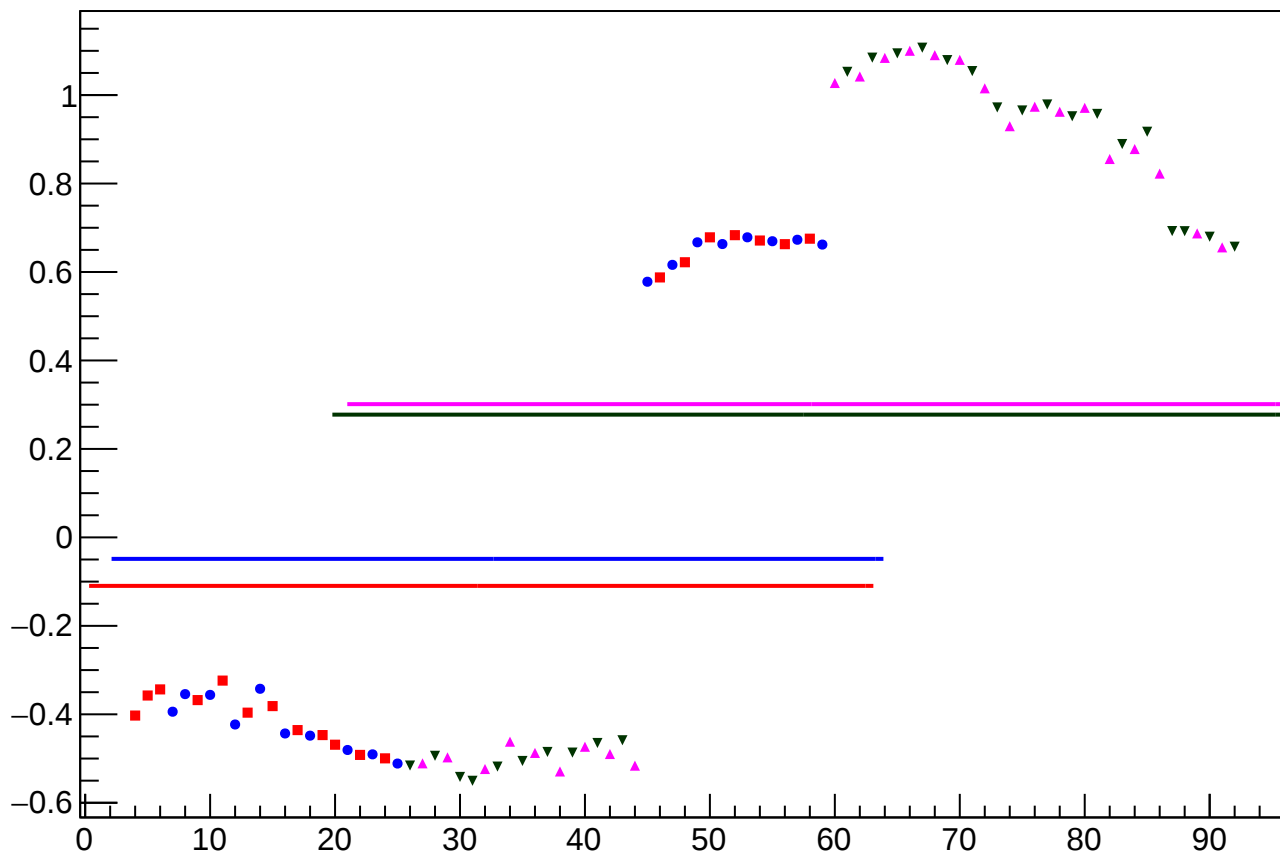
Right Out: 0.007+/-0.000 χ^2/NDF : 88863.4/18

Left In: 0.008+/-0.000 χ^2/NDF :90661.3/24

0.007+/-0.000 χ^2/NDF : 338493.4/44

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: 0.278+/-0.000 χ^2/NDF :14714719939.6/26

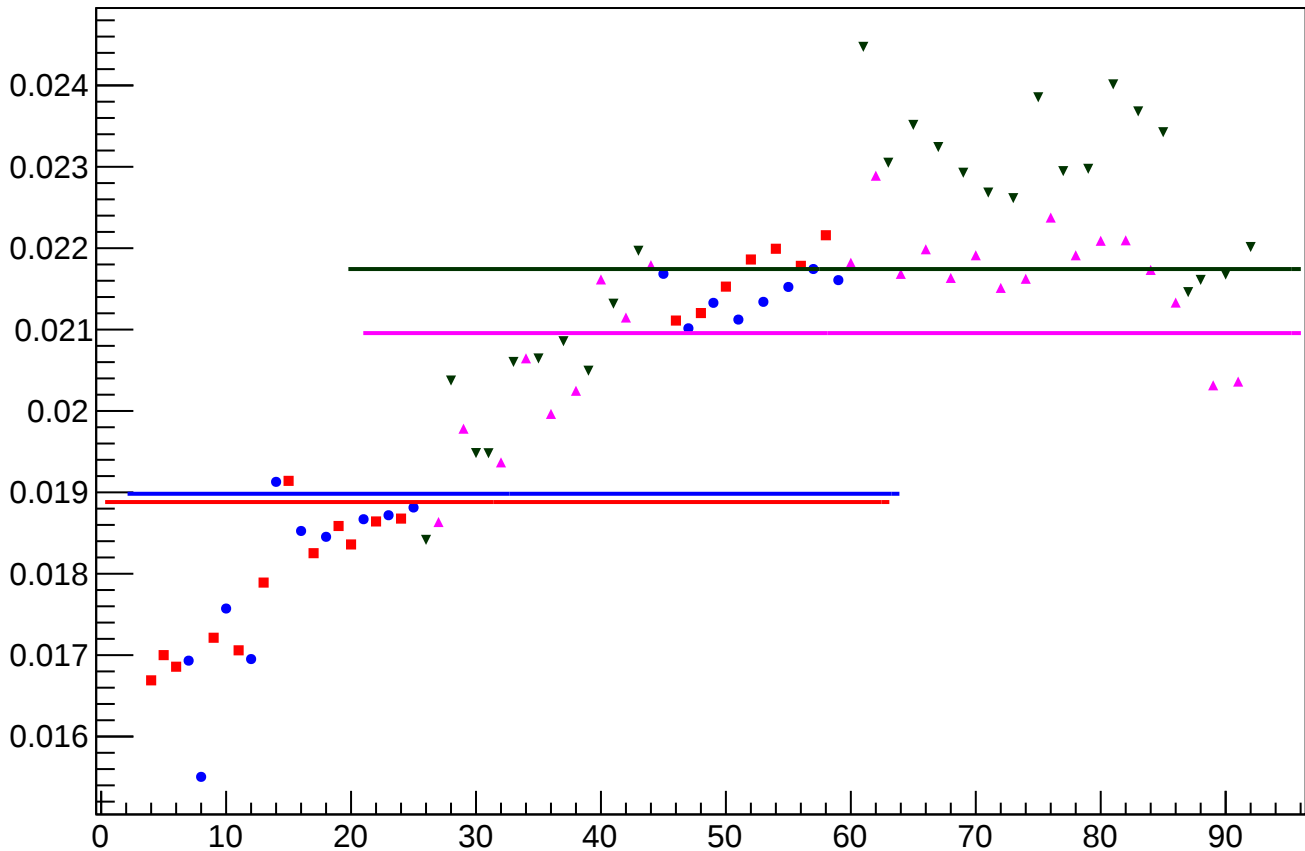
Right Out: -0.110+/-0.000 χ^2/NDF : 6259069670.0/18

Left In: 0.301+/-0.000 χ^2/NDF :16354871886.7/24

0.106+/-0.000 χ^2/NDF : 24071792863.6/44

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 :139201.8/26

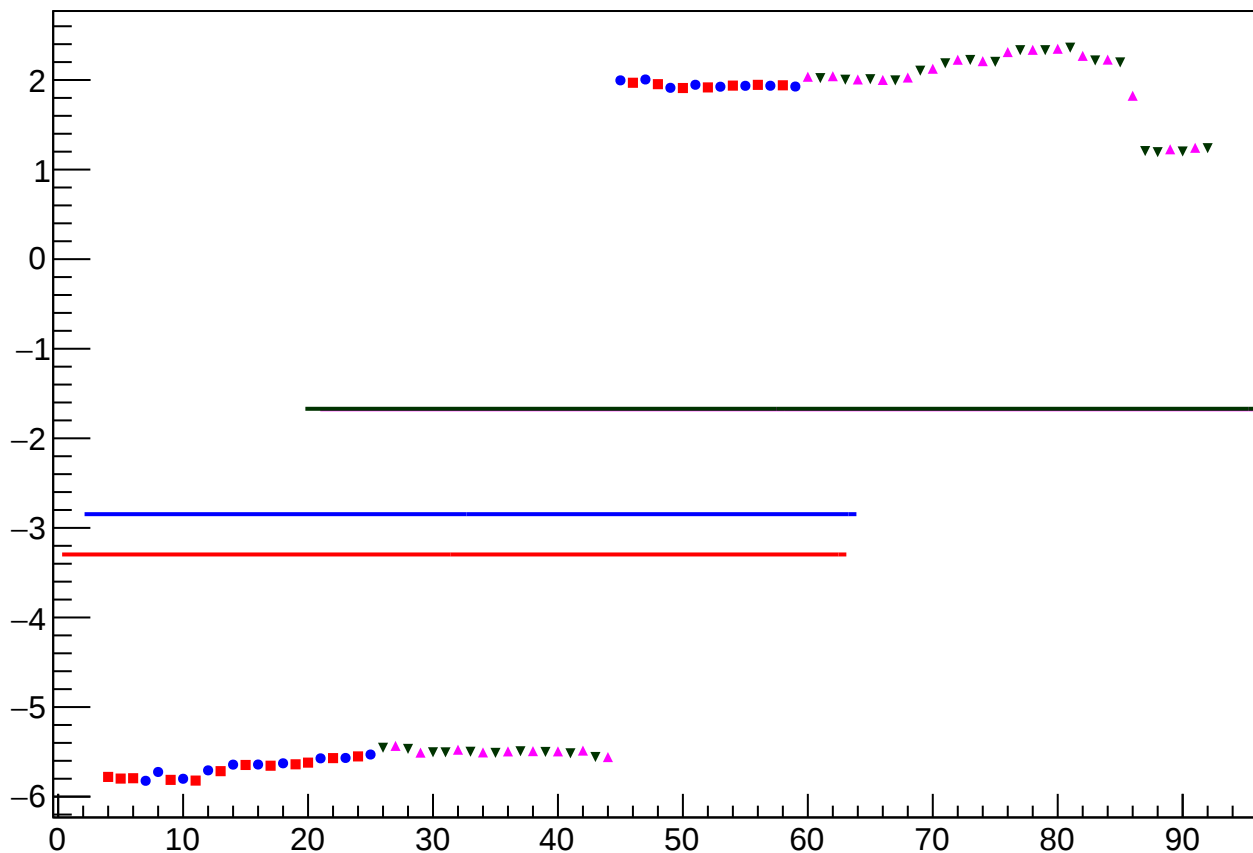
Right Out: 0.019+/-0.000 χ^2/NDF : 190553.3/18

Left In: 0.021+/-0.000 χ^2/NDF :81836.6/24

0.020+/-0.000 χ^2/NDF : 616484.7/44

0.020+/-0.000 χ^2/NDF : 398134.1/43

yield_bpm2i02Y_mean vs slug



Right In: -2.847+/-0.000 χ^2/NDF : 988085675921.2/17

Left Out: -1.670+/-0.000 χ^2/NDF : 1070131460370.8/26

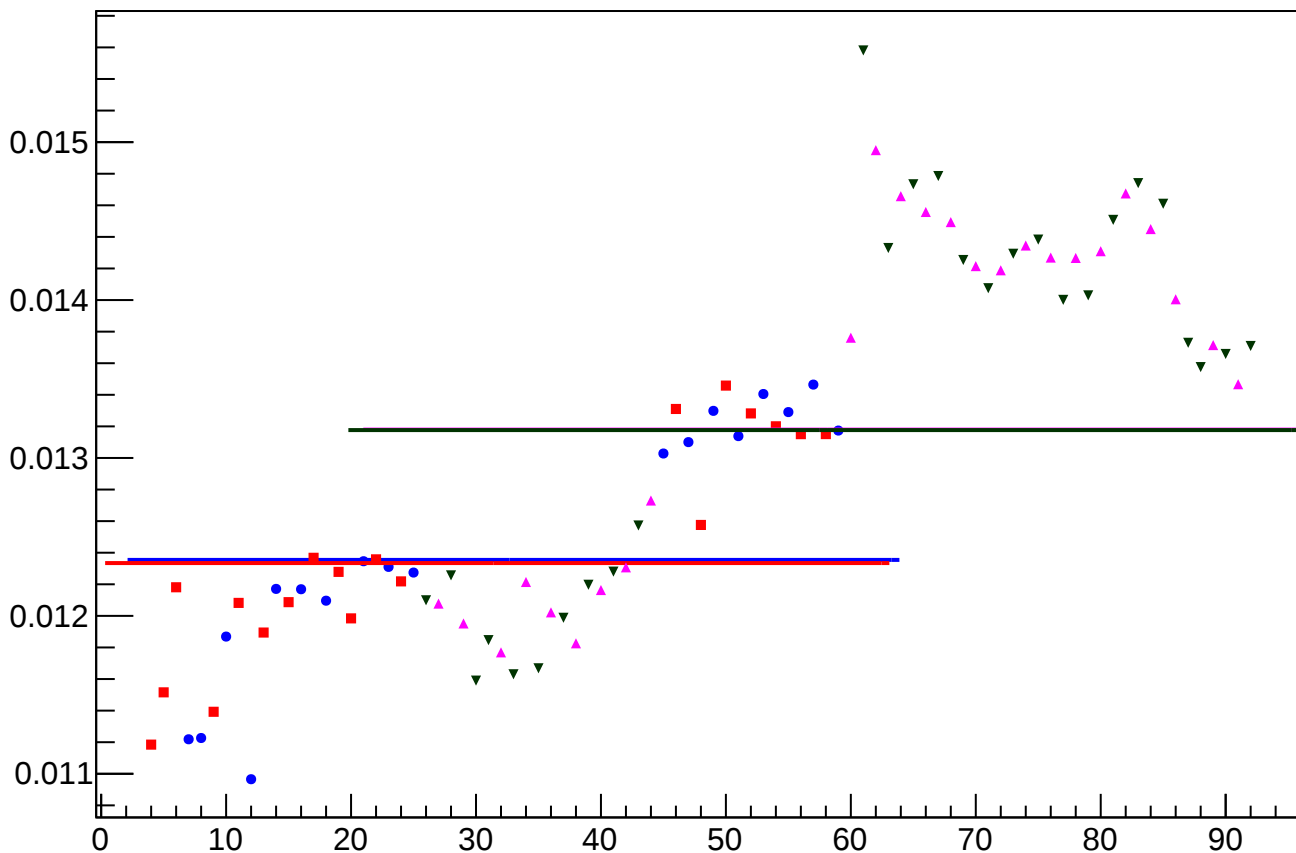
Right Out: -3.297+/-0.000 χ^2/NDF : 819050975647.4/18

Left In: -1.676+/-0.000 χ^2/NDF : 1112671240793.6/24

-2.247+/-0.000 χ^2/NDF : 2109719897382.8/44

-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 :220674.2/26

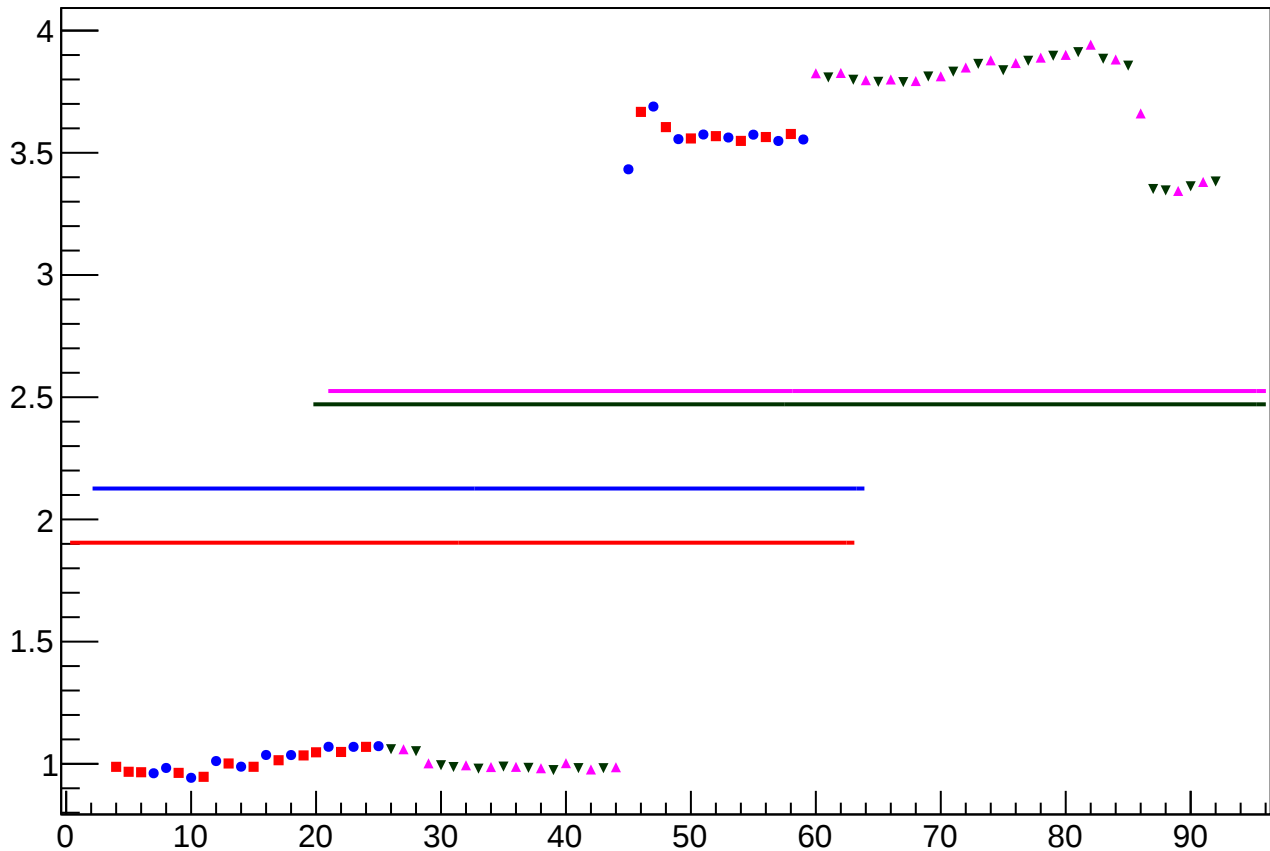
Right Out: 0.012+/-0.000 χ^2/NDF : 54886.5/18

Left In: 0.013+/-0.000 χ^2/NDF :203345.2/24

0.013+/-0.000 χ^2/NDF : 360830.3/44

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: 2.471+/-0.000 χ^2/NDF : 389255583925.1/26

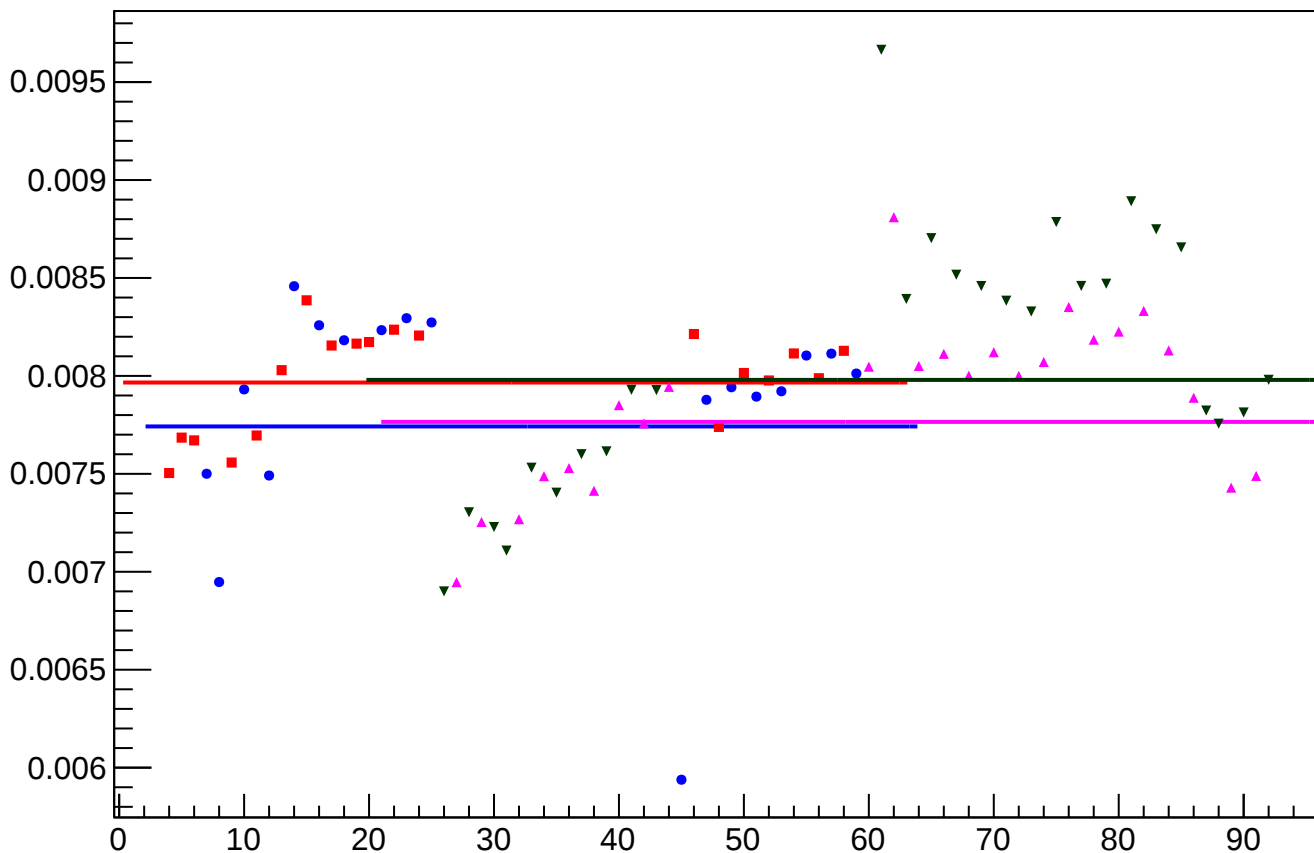
2.308+/-0.000 χ^2/NDF : 693421628712.3/44

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 :158780.4/26

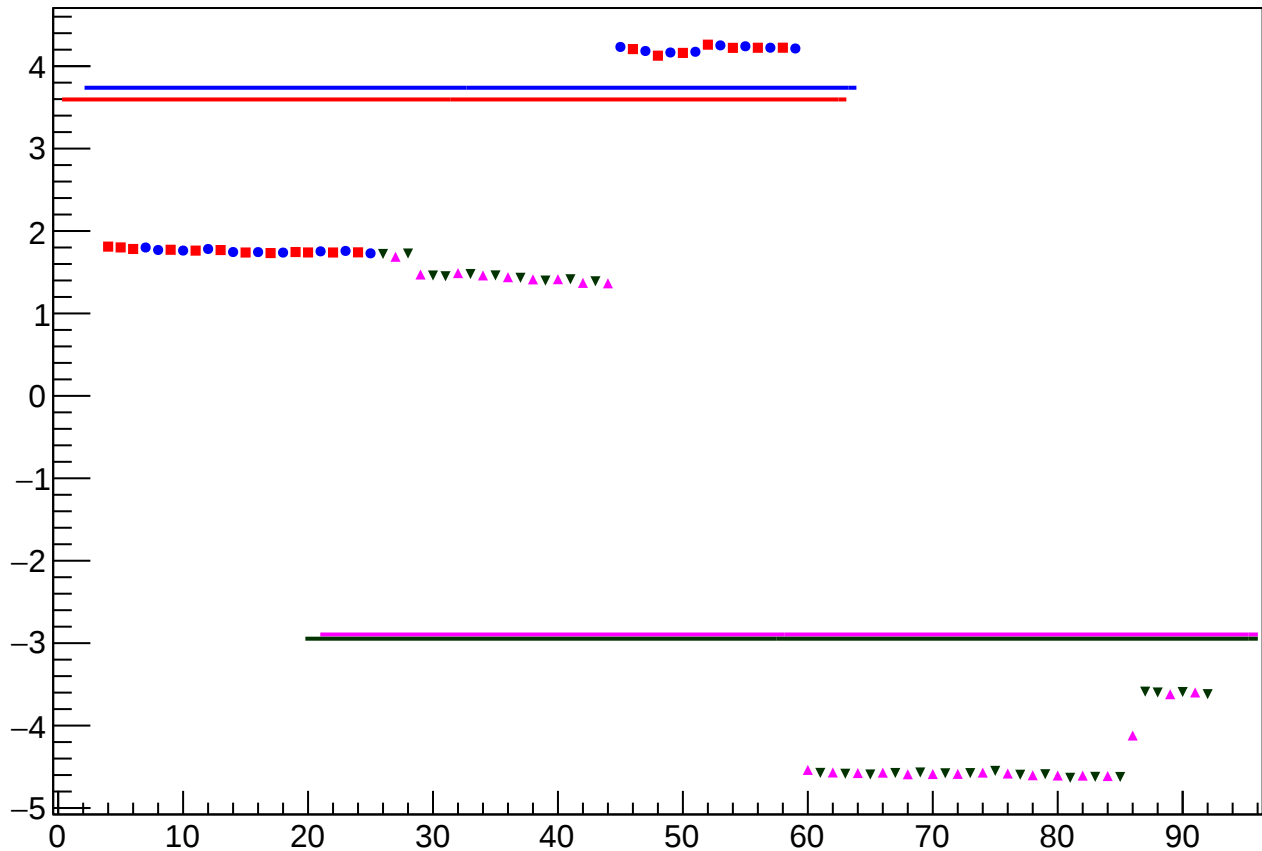
Right Out: 0.008+/-0.000 χ^2/NDF : 20073.5/18

Left In: 0.008+/-0.000 χ^2/NDF :88597.8/24

0.008+/-0.000 χ^2/NDF : 348660.7/44

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: -2.946+/-0.000 χ^2/NDF : 4146466020832.4/26

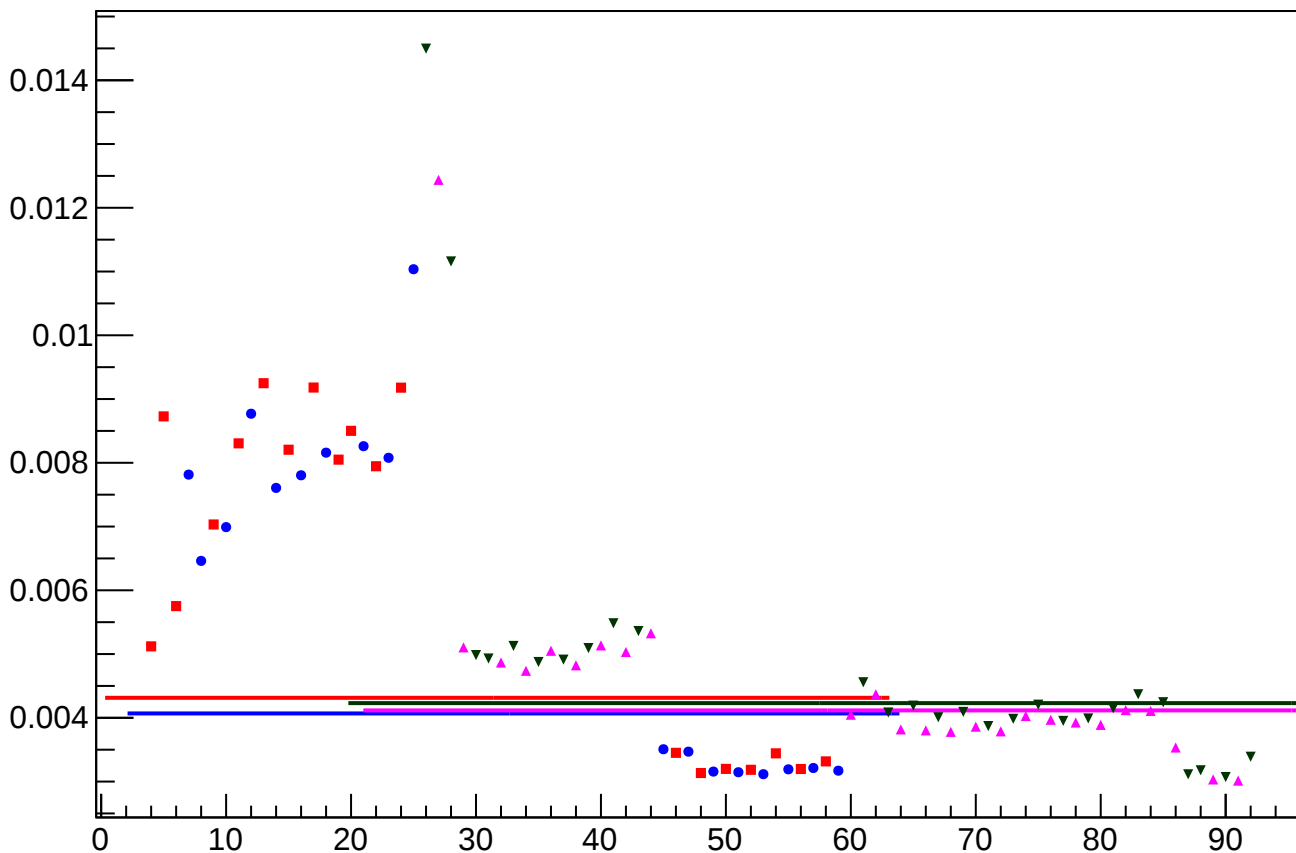
Right Out: 3.596+/-0.000 χ^2/NDF : 468031292414.6/18

Left In: -2.895+/-0.000 χ^2/NDF : 4825778880099.8/24

0.043+/-0.000 χ^2/NDF : 17974655747574.0/44

-0.537+/-0.000 χ^2/NDF : 16577676925366.0/43

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 :1522989.9/26

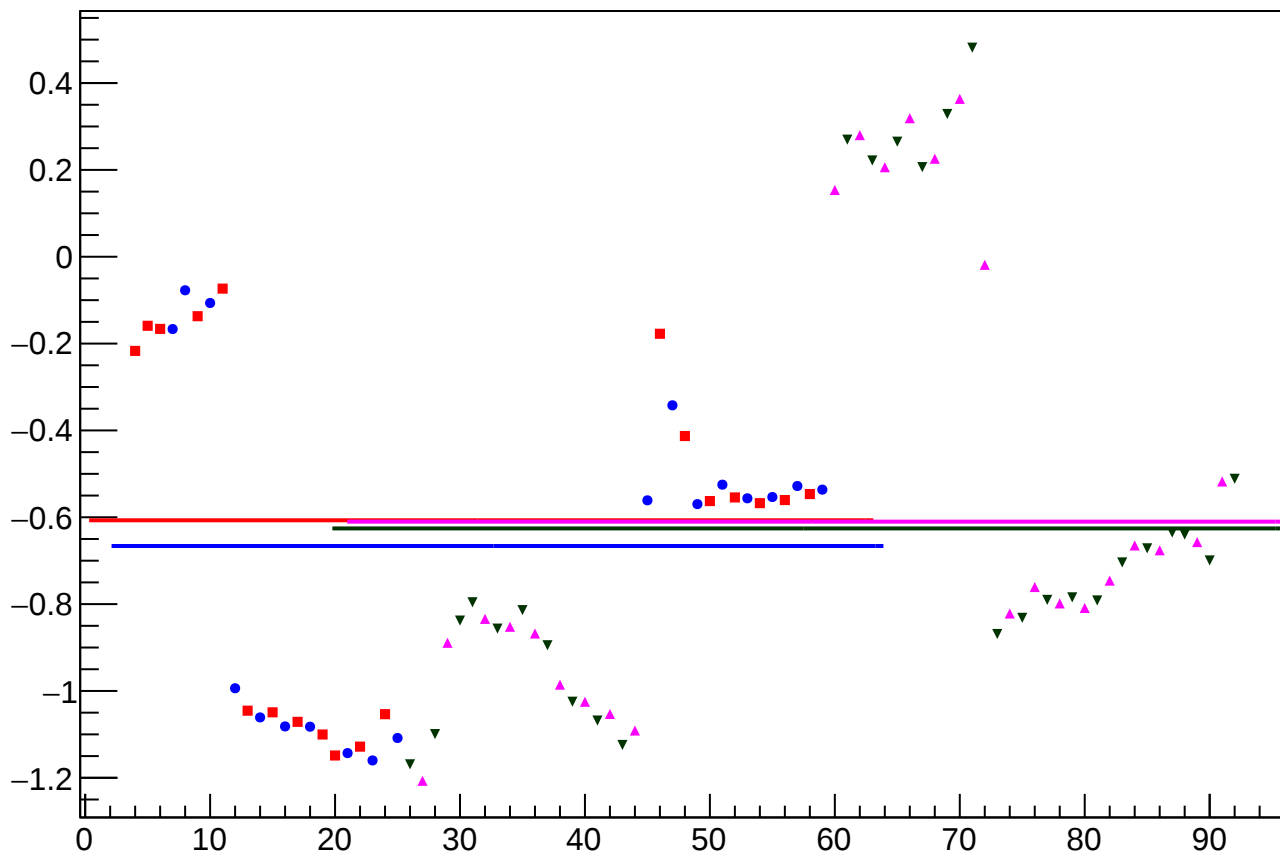
0.004+/-0.000 χ^2/NDF : 4940326.9/44

Right Out: 0.004+/-0.000 χ^2/NDF : 3241260.9/18

0.004+/-0.000 χ^2/NDF : 4497420.4/43

Left In: 0.004+/-0.000 χ^2/NDF :1235247.0/24

yield_bpm0l01X_mean vs slug



Right In: -0.666+/-0.000 χ^2/NDF : 19135534349.5/17

Left Out: -0.626+/-0.000 χ^2/NDF : 40430257937.0/26

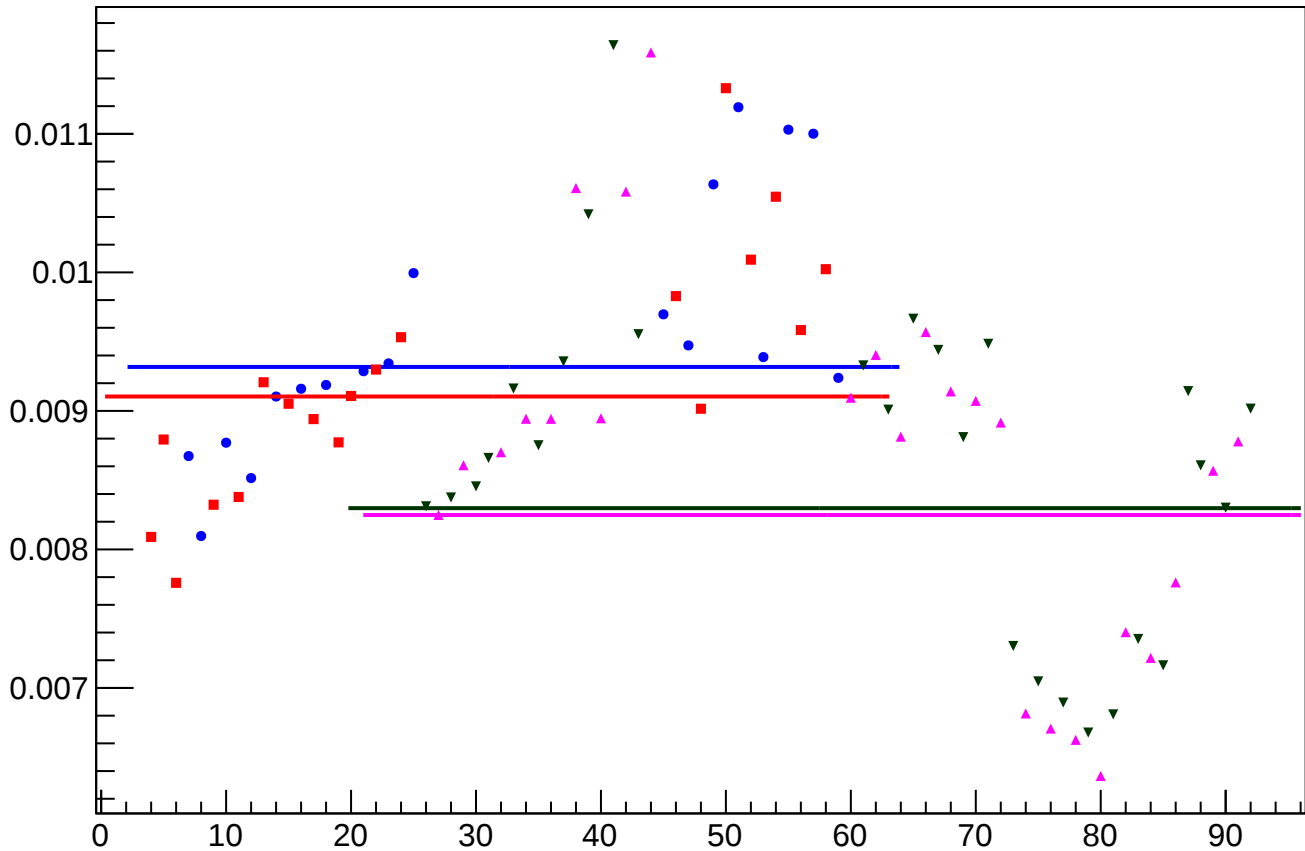
-0.642+/-0.000 χ^2/NDF : 59688791596.6/44

Right Out: -0.607+/-0.000 χ^2/NDF : 19217252419.4/18

-0.609+/-0.000 χ^2/NDF : 60649999137.7/43

Left In: -0.610+/-0.000 χ^2/NDF : 41432013035.7/24

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 : 509613.5/26

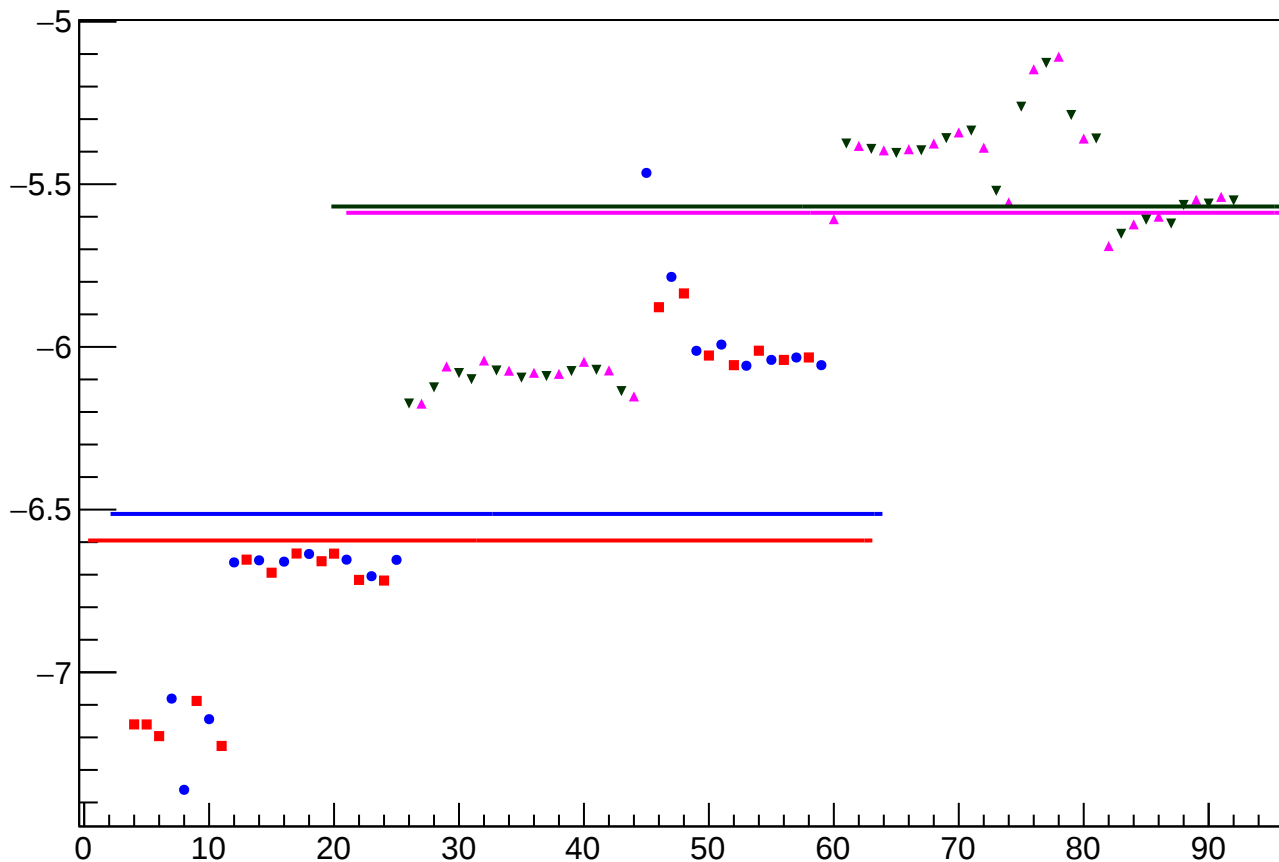
Right Out: 0.009+/-0.000 χ^2/NDF : 159092.9/18

Left In: 0.008+/-0.000 χ^2/NDF : 575122.3/24

0.009+/-0.000 χ^2/NDF : 831313.0/44

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 :23147959441.1/26

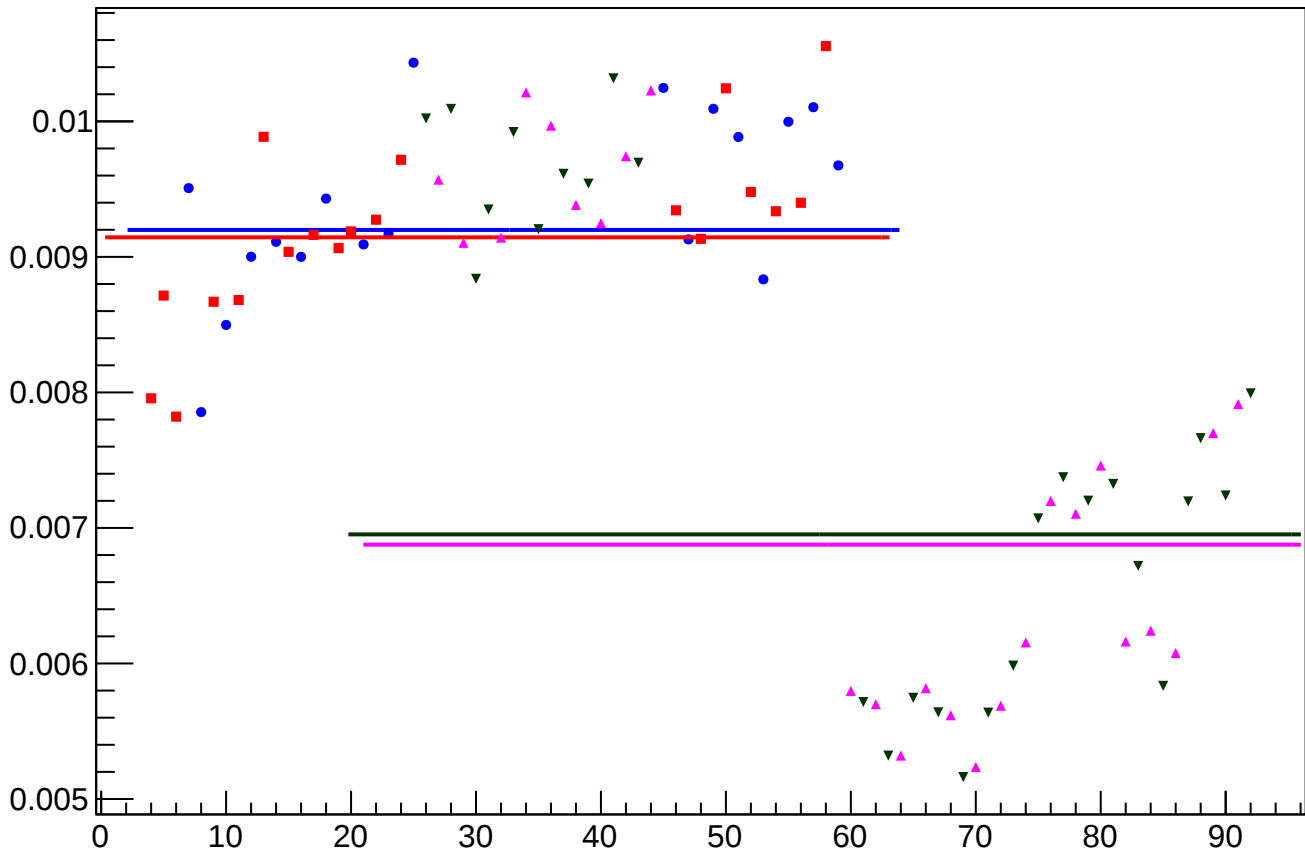
-5.886+/-0.000 χ^2/NDF : 133103233836.8/44

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 $\pm$ 0.000 χ^2 /NDF: 120528.1/17

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:1322850.0/26

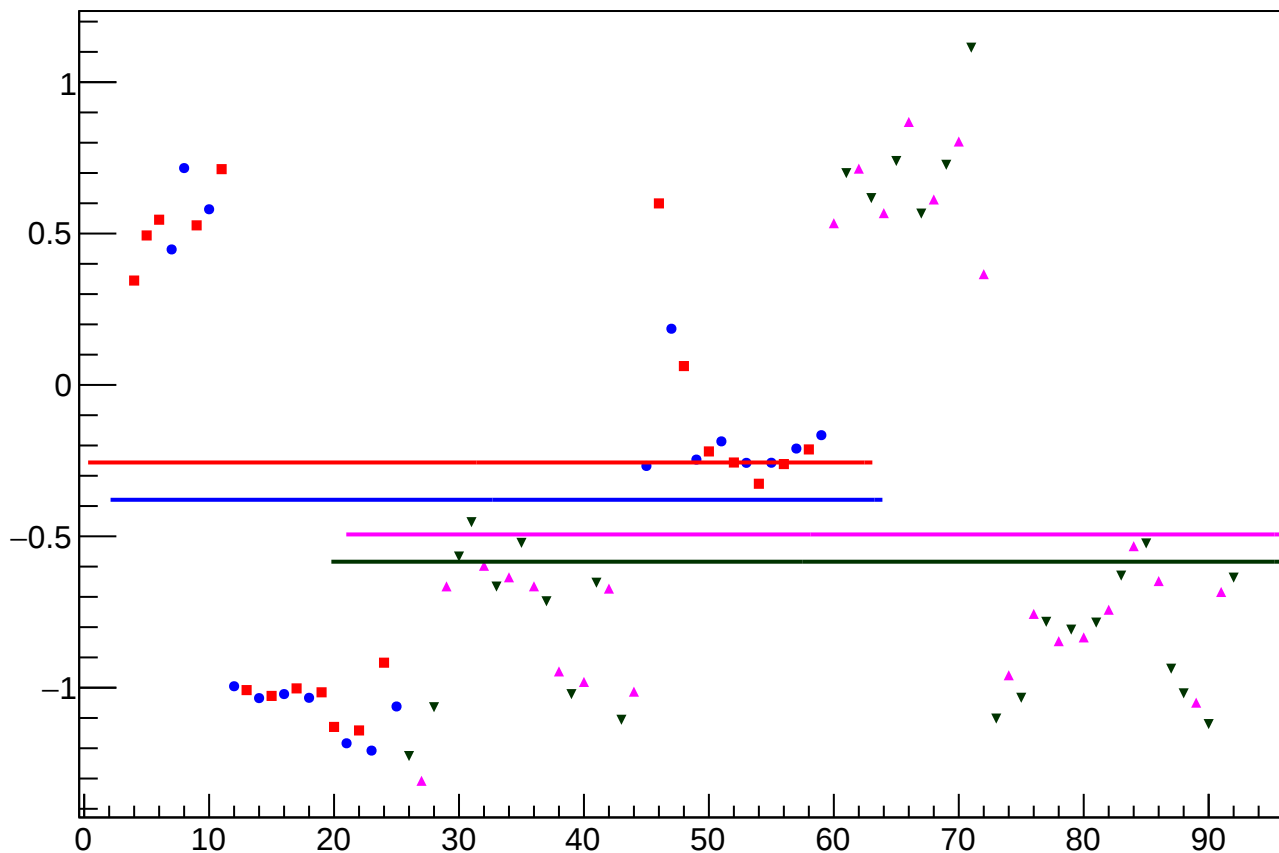
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 101222.8/18

Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:1342854.1/24

0.008 $\pm$ 0.000 χ^2 /NDF: 2301025.8/44

0.008 $\pm$ 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: -0.584+/-0.000 χ^2/NDF : 23972447358.0/26

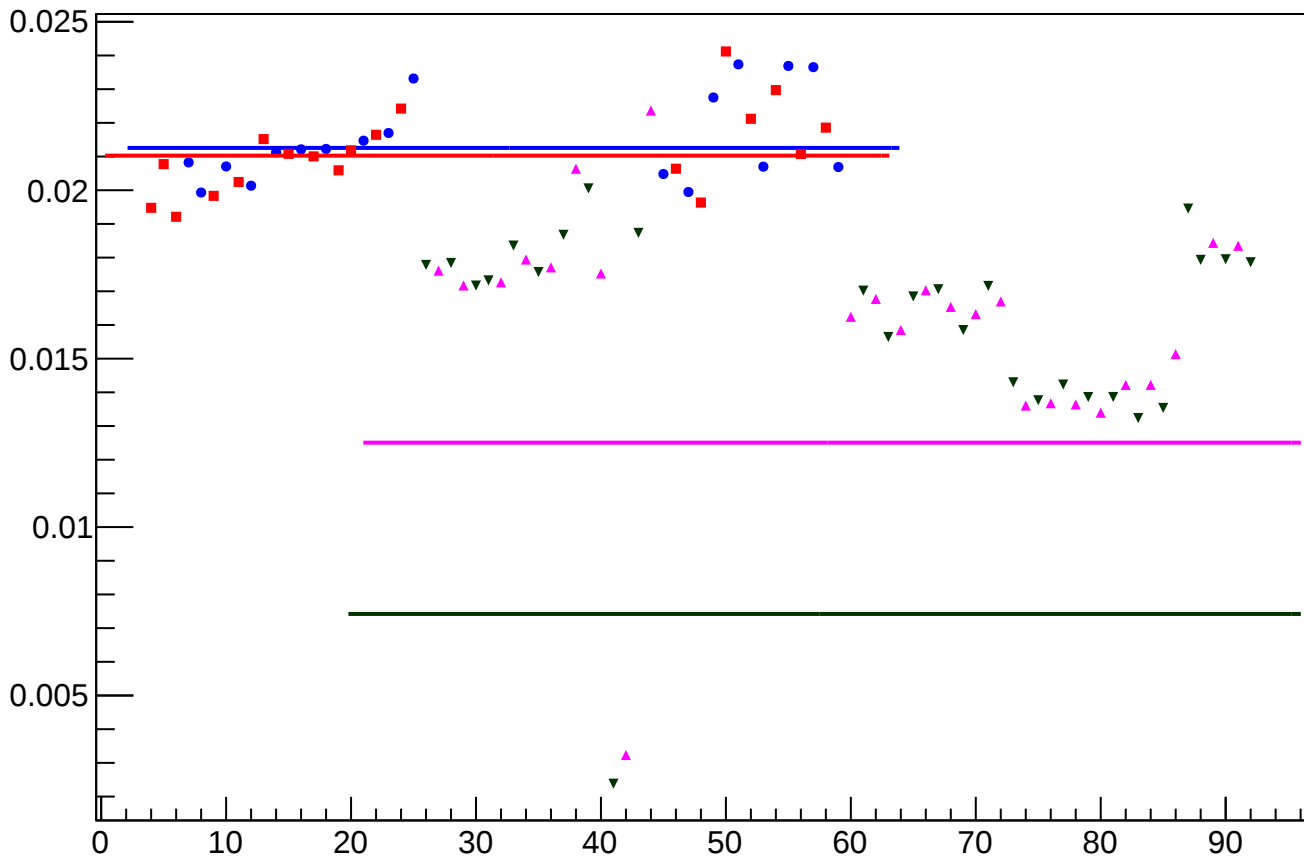
-0.551+/-0.000 χ^2/NDF : 34968722068.6/44

Right Out: -0.256+/-0.000 χ^2/NDF : 10103342122.6/18

-0.436+/-0.000 χ^2/NDF : 33577724816.9/43

Left In: -0.494+/-0.000 χ^2/NDF : 22530908114.8/24

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 :11735400.5/26

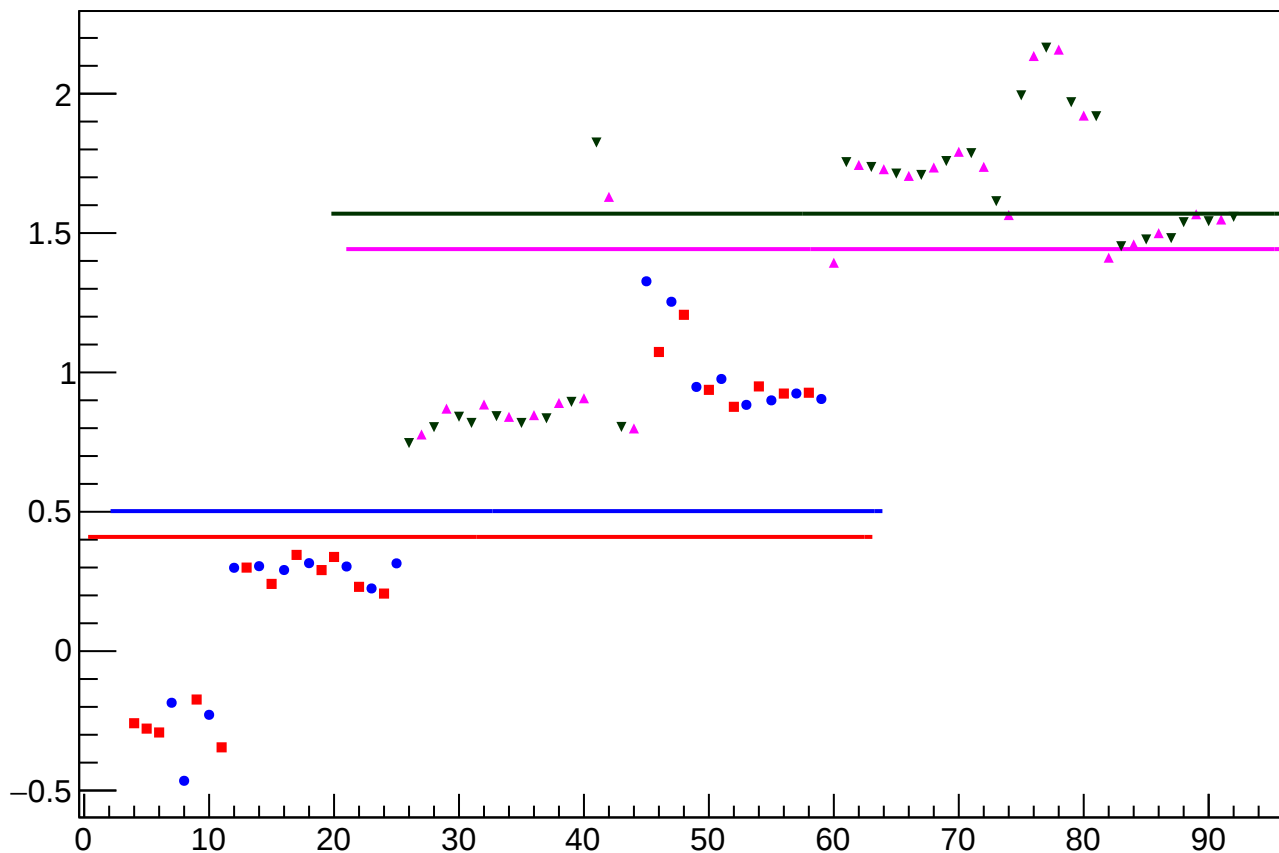
0.010+/-0.000 χ^2/NDF : 19666024.5/44

Right Out: 0.021+/-0.000 χ^2/NDF : 62886.6/18

0.015+/-0.000 χ^2/NDF : 7496214.8/43

Left In: 0.013+/-0.000 χ^2/NDF :5008017.8/24

yield_bpm0l02Y_mean vs slug



Right In: 0.502+/-0.000 χ^2/NDF : 19155654908.3/17

Left Out: 1.570+/-0.000 χ^2/NDF : 26307269818.3/26

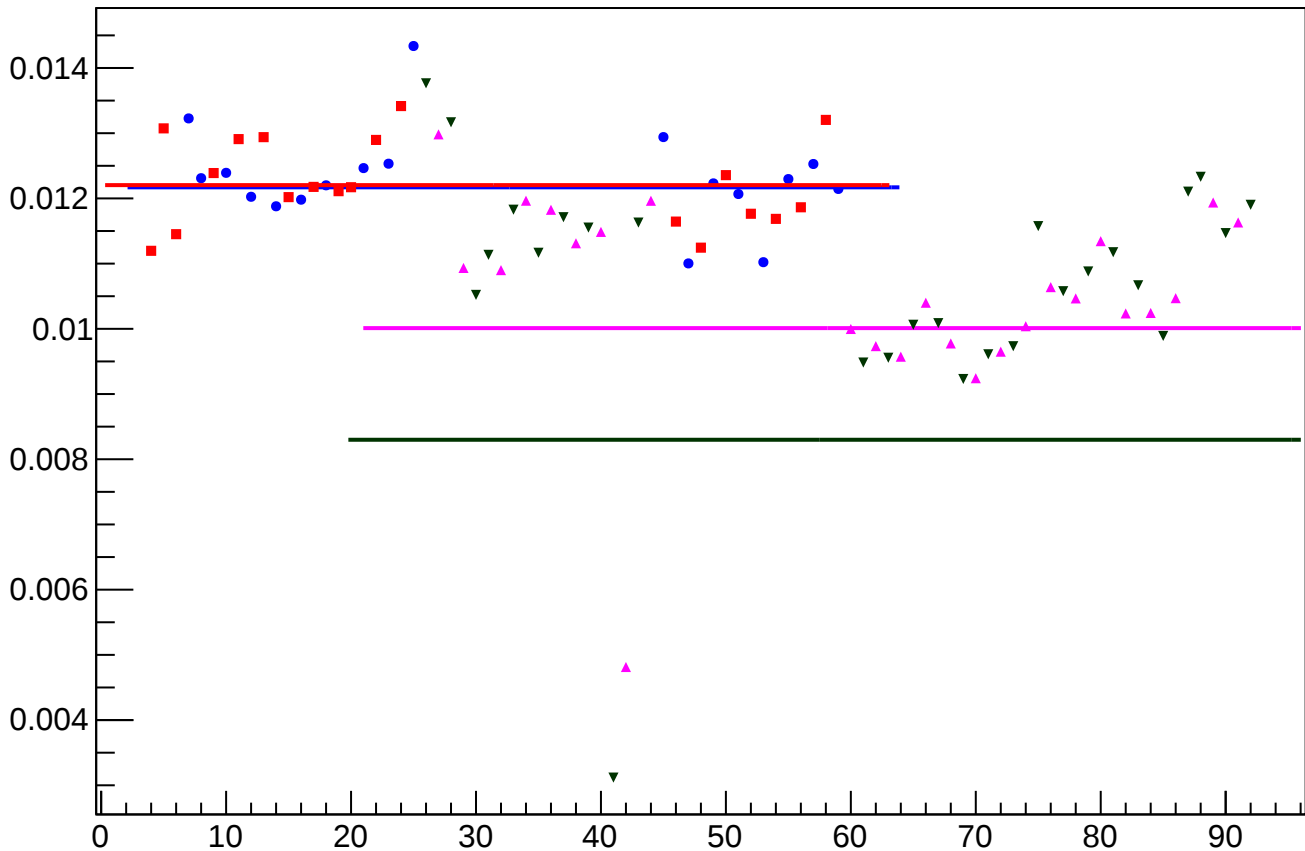
Right Out: 0.410+/-0.000 χ^2/NDF : 16439315084.0/18

Left In: 1.442+/-0.000 χ^2/NDF : 21945265402.1/24

1.229+/-0.000 χ^2/NDF : 102781808098.1/44

1.096+/-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:4300317.2/26

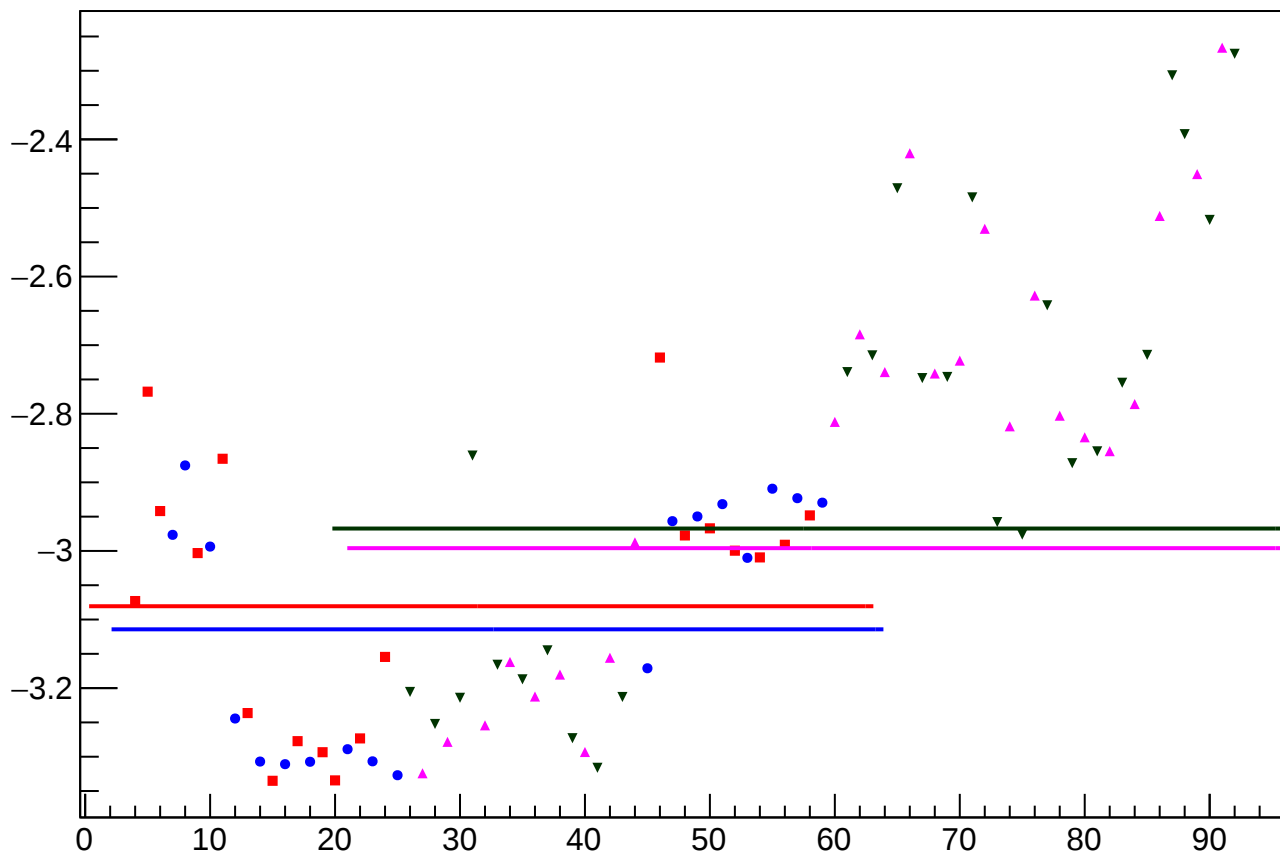
0.010 $\pm$ 0.000 χ^2 /NDF: 5854384.2/44

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: -2.967+/-0.000 χ^2/NDF : 16622367227.9/26

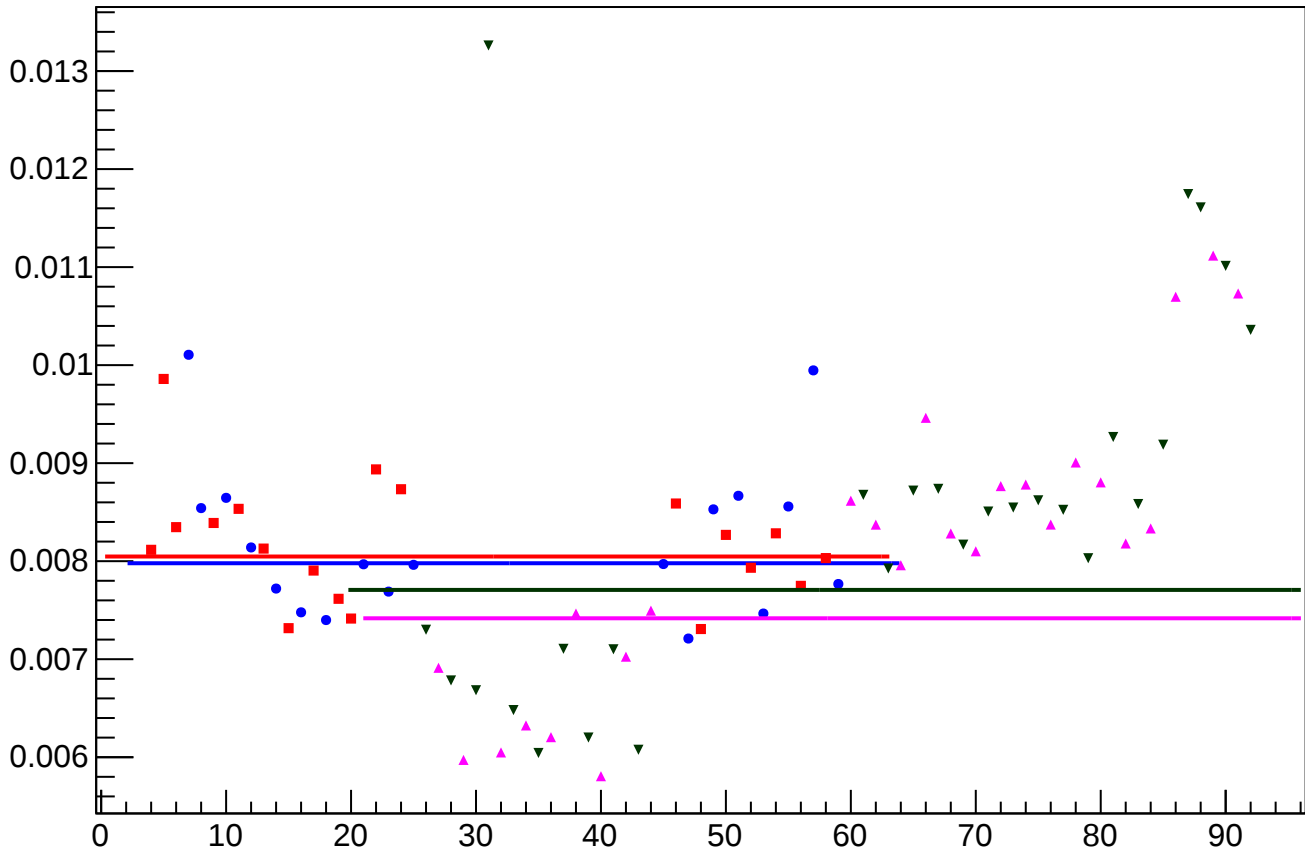
Right Out: -3.081+/-0.000 χ^2/NDF : 3839311184.0/18

Left In: -2.996+/-0.000 χ^2/NDF : 18018372318.5/24

-3.031+/-0.000 χ^2/NDF : 23072961452.2/44

-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 : 760824.2/26

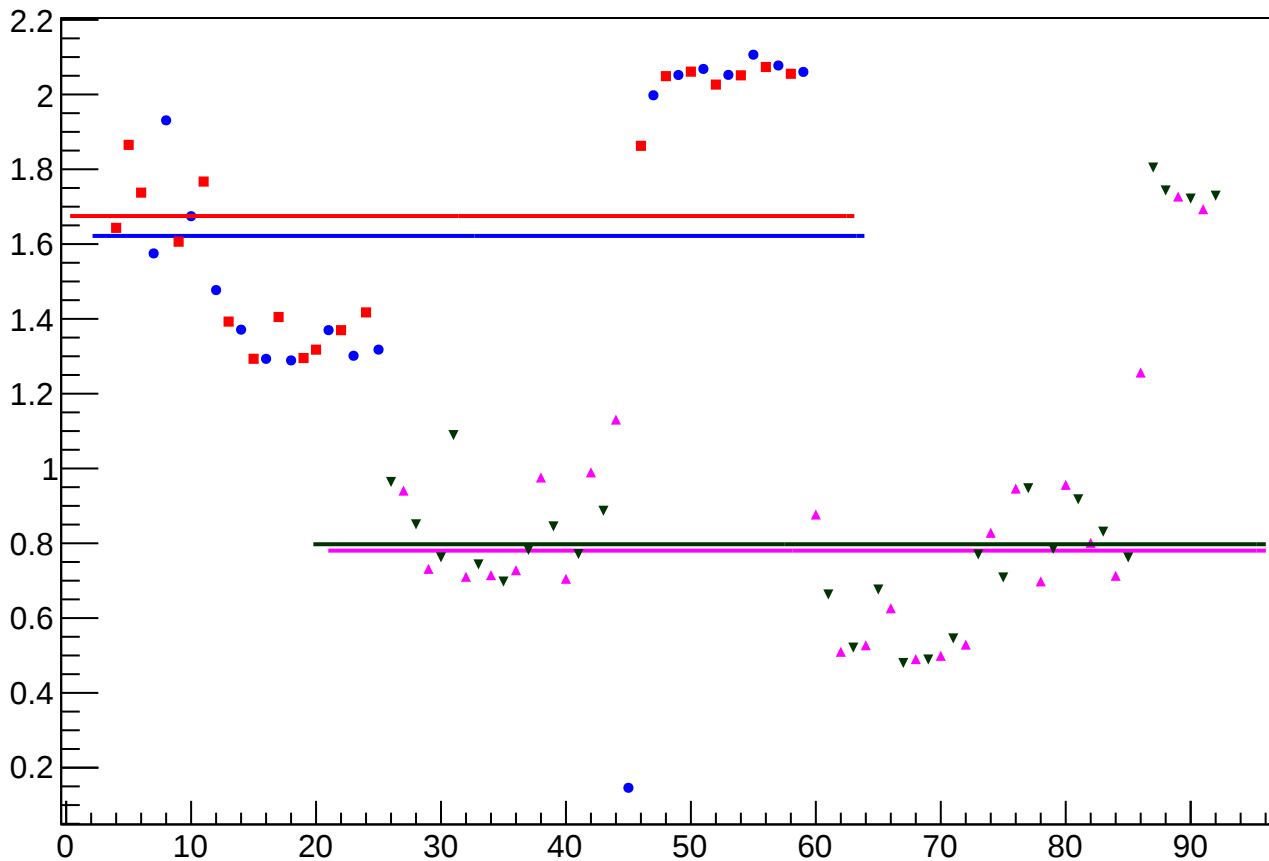
0.008+/-0.000 χ^2/NDF : 868567.9/44

Right Out: 0.008+/-0.000 χ^2/NDF : 57509.8/18

0.008+/-0.000 χ^2/NDF : 883948.2/43

Left In: 0.007+/-0.000 χ^2/NDF : 762841.6/24

yield_bpm0l03Y_mean vs slug



Right In: 1.622 $\pm$ 0.000 χ^2 /NDF: 26006902897.9/17

Left Out: 0.797 $\pm$ 0.000 χ^2 /NDF:20863640206.0/26

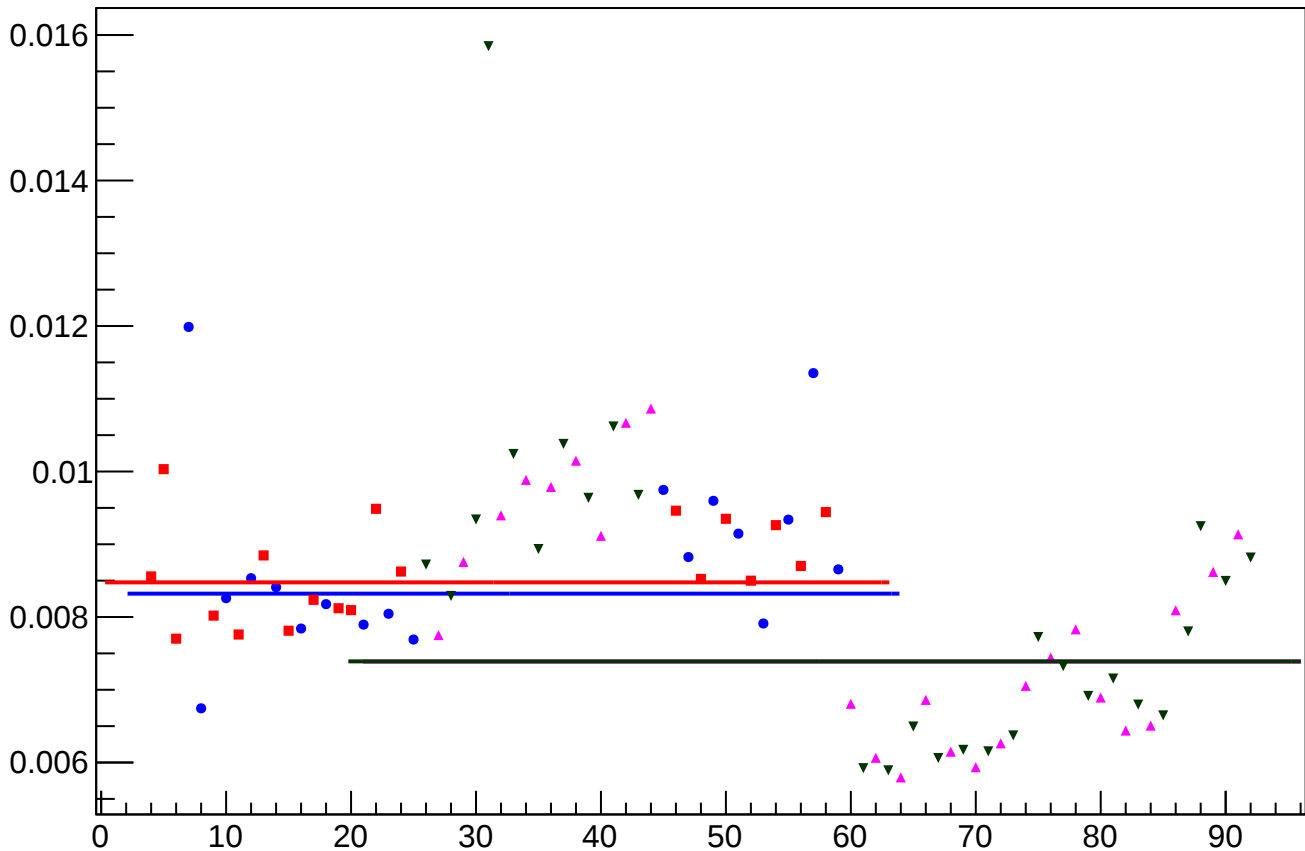
1.126 $\pm$ 0.000 χ^2 /NDF: 102156934533.6/44

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 : 958027.5/26

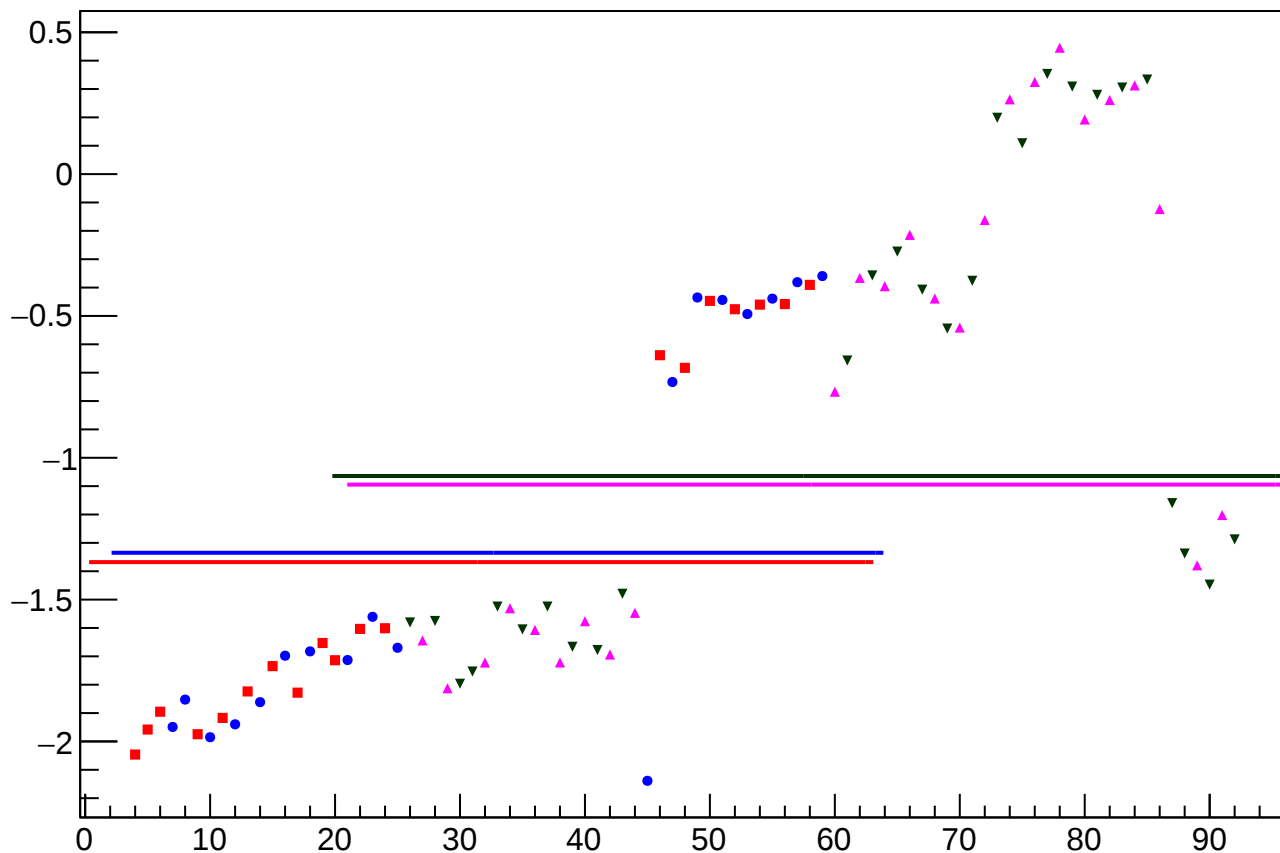
Right Out: 0.008+/-0.000 χ^2/NDF : 80155.6/18

Left In: 0.007+/-0.000 χ^2/NDF : 829643.6/24

0.008+/-0.000 χ^2/NDF : 1330383.4/44

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: -1.064+/-0.000 χ^2/NDF : 35463572915.1/26

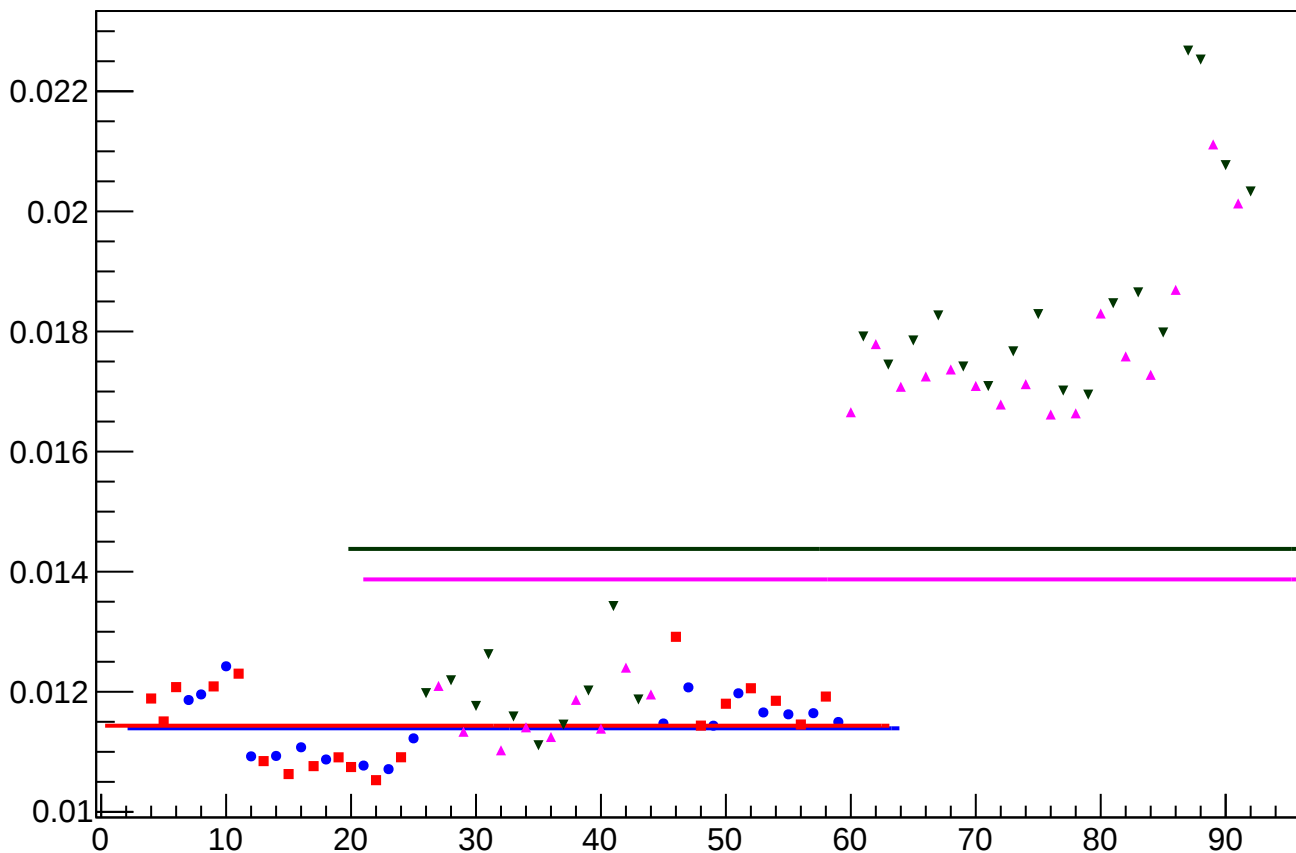
Right Out: -1.368+/-0.000 χ^2/NDF : 29057521992.7/18

Left In: -1.095+/-0.000 χ^2/NDF : 41789860661.3/24

-1.223+/-0.000 χ^2/NDF : 76449681474.3/44

-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 :1213870.1/26

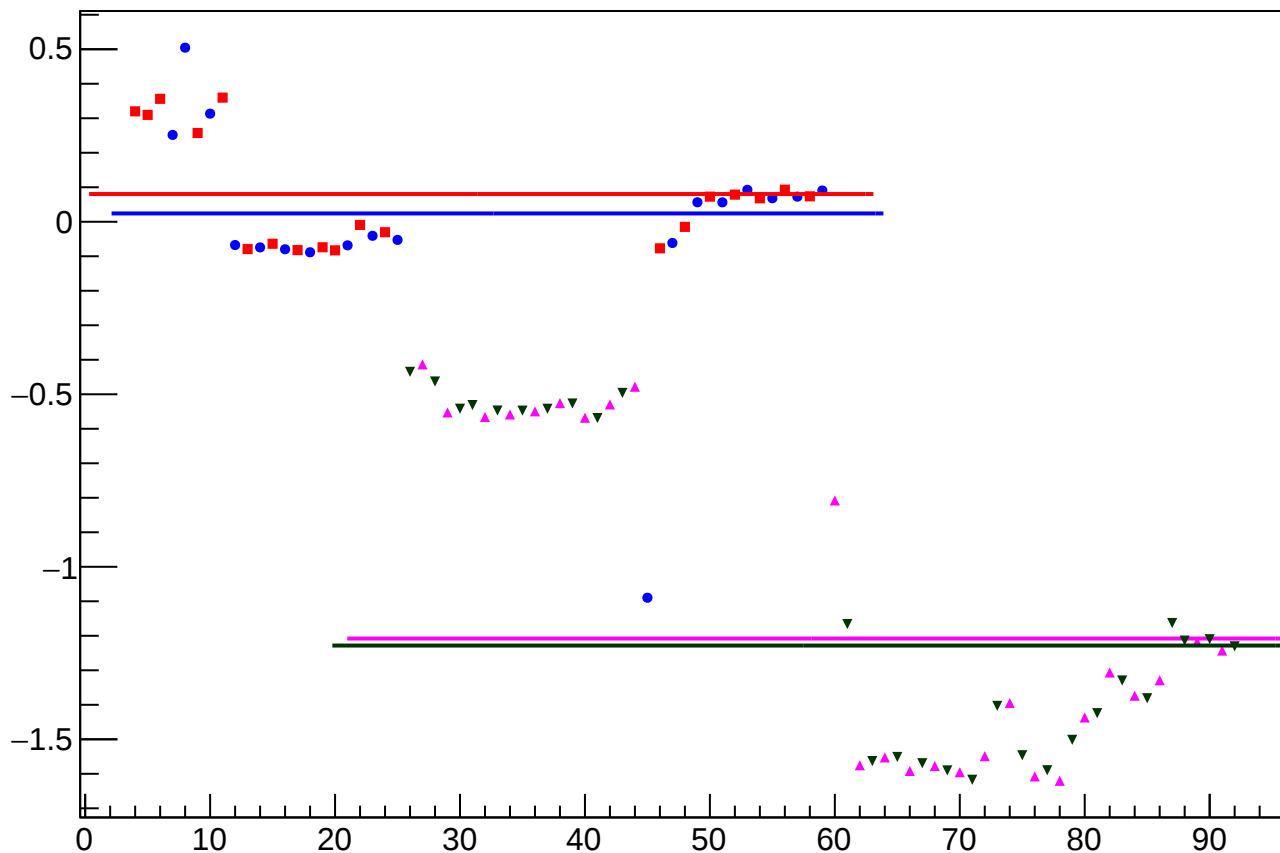
Right Out: 0.011+/-0.000 χ^2/NDF : 65676.1/18

Left In: 0.014+/-0.000 χ^2/NDF :1212568.0/24

0.013+/-0.000 χ^2/NDF : 1886882.3/44

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 : 57837547016.1/26

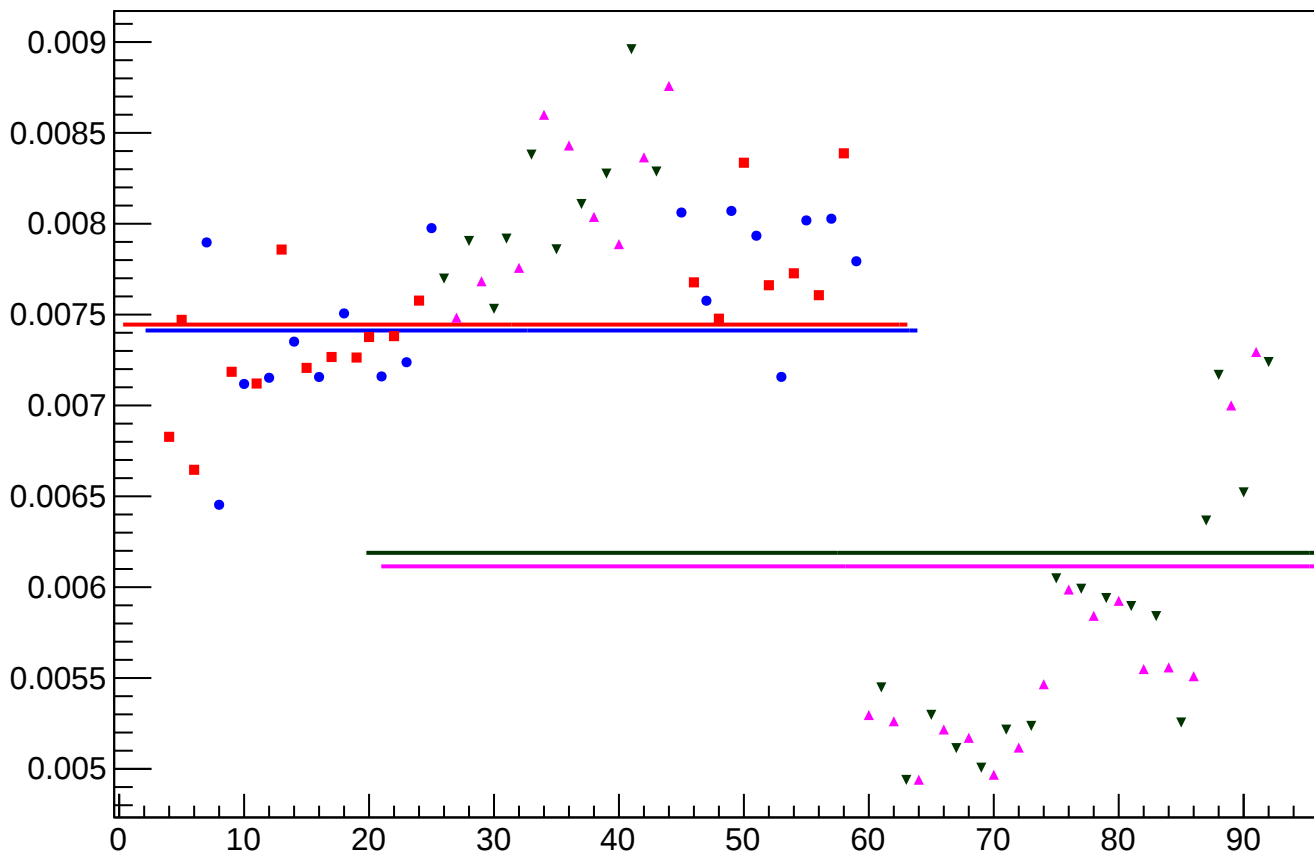
Right Out: 0.080+/-0.000 χ^2/NDF : 4561023053.2/18

Left In: -1.208+/-0.000 χ^2/NDF : 66033405755.2/24

-0.754+/-0.000 χ^2/NDF : 269203347839.7/44

-0.780+/-0.000 χ^2/NDF : 261844313741.7/43

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 : 937940.6/26

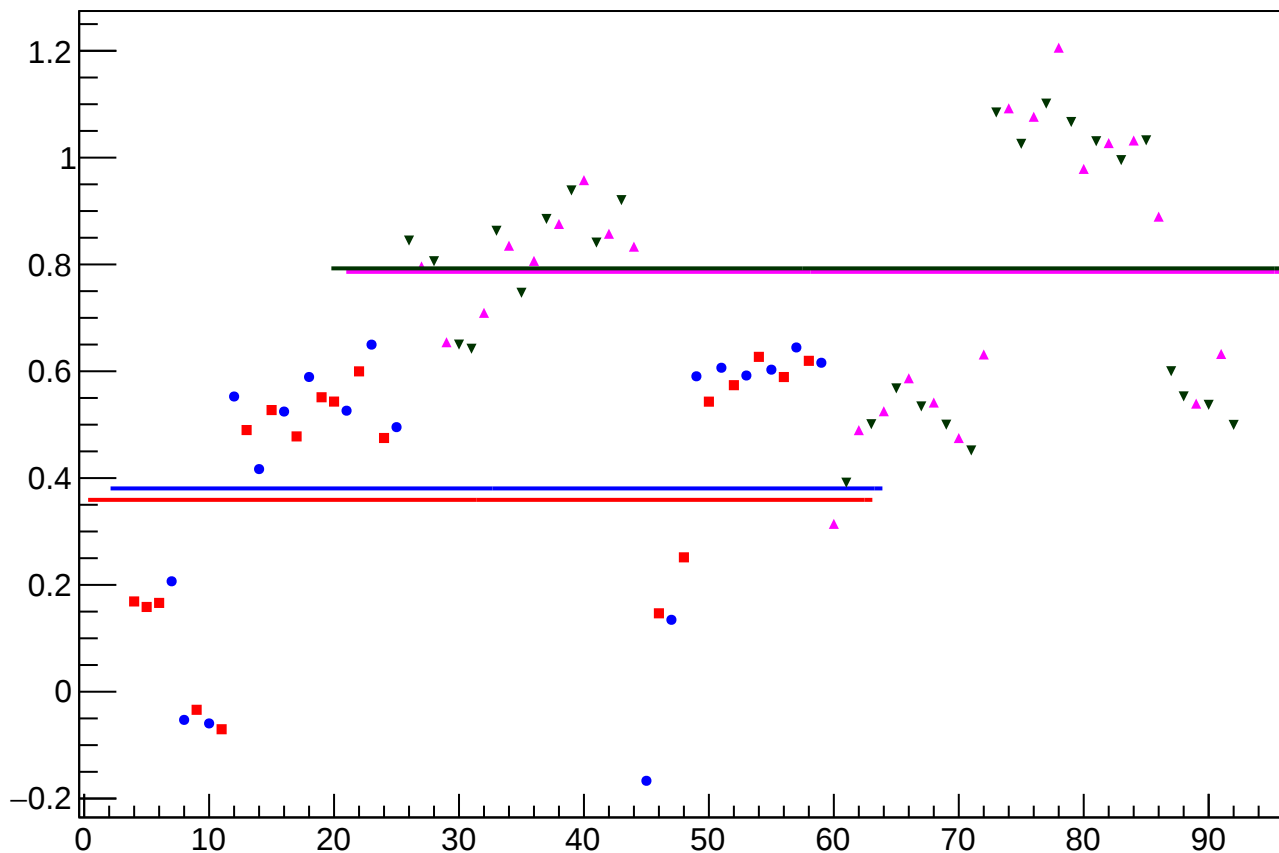
Right Out: 0.007+/-0.000 χ^2/NDF : 61122.7/18

Left In: 0.006+/-0.000 χ^2/NDF : 980494.8/24

0.007+/-0.000 χ^2/NDF : 1397743.6/44

0.007+/-0.000 χ^2/NDF : 1449629.4/43

yield_bpm0l05X_mean vs slug



Right In: 0.381 $\pm$ 0.000 χ^2 /NDF: 17766233664.3/17

Left Out: 0.793 $\pm$ 0.000 χ^2 /NDF:12005149869.2/26

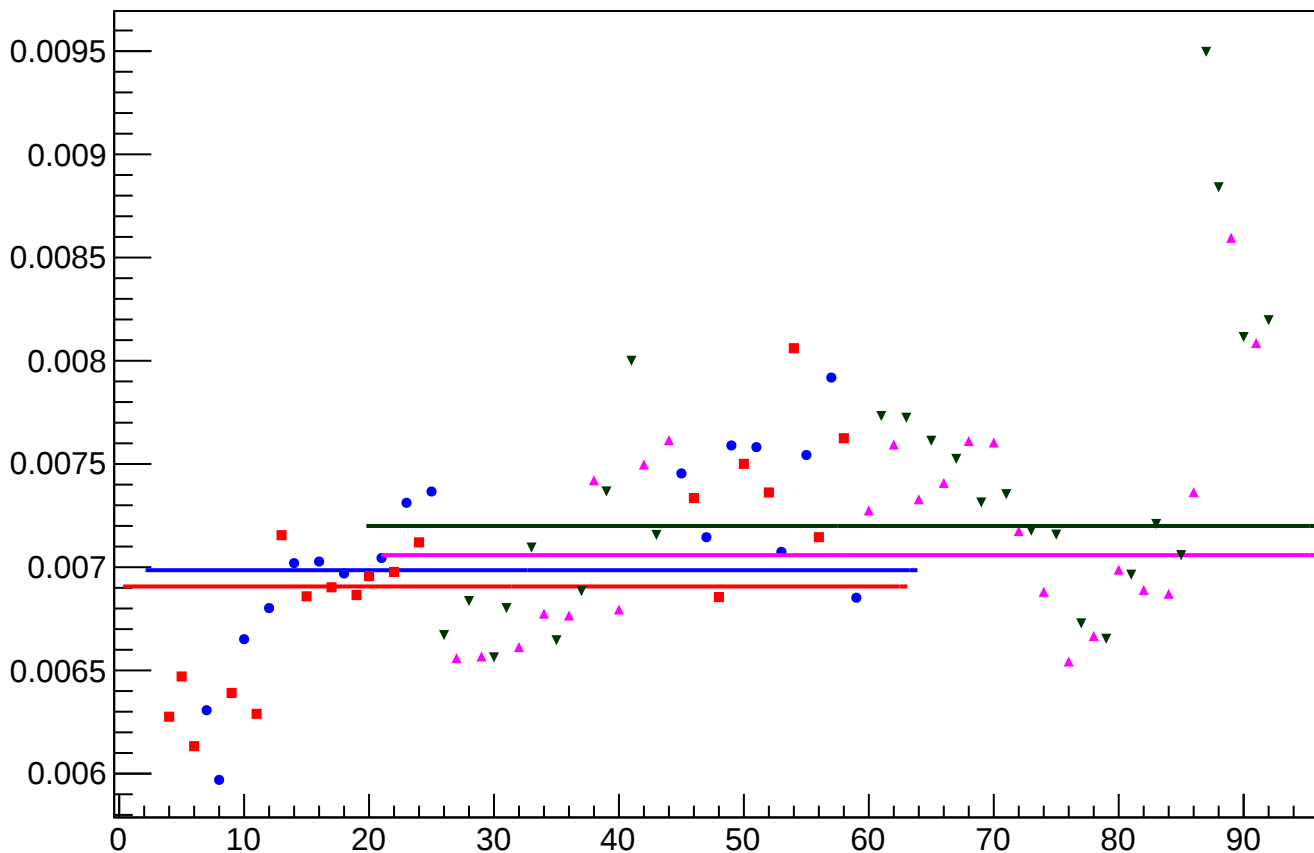
Right Out: 0.359 $\pm$ 0.000 χ^2 /NDF: 11904326957.3/18

Left In: 0.786 $\pm$ 0.000 χ^2 /NDF:12700821354.9/24

0.598 $\pm$ 0.000 χ^2 /NDF: 49855384003.9/44

0.603 $\pm$ 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 :133959.8/26

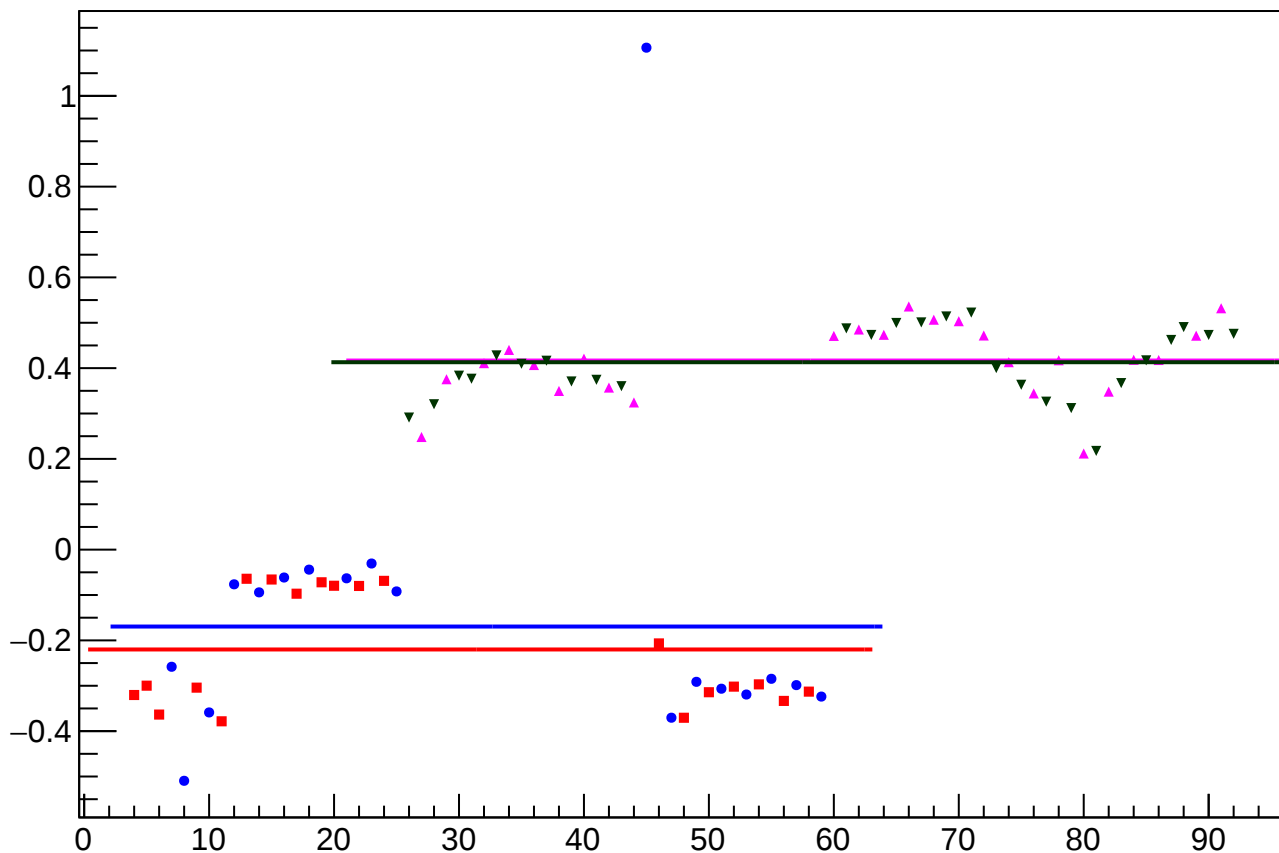
Right Out: 0.007+/-0.000 χ^2/NDF : 97555.6/18

Left In: 0.007+/-0.000 χ^2/NDF :118882.9/24

0.007+/-0.000 χ^2/NDF : 251983.7/44

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: 0.413+/-0.000 χ^2/NDF : 3400190718.1/26

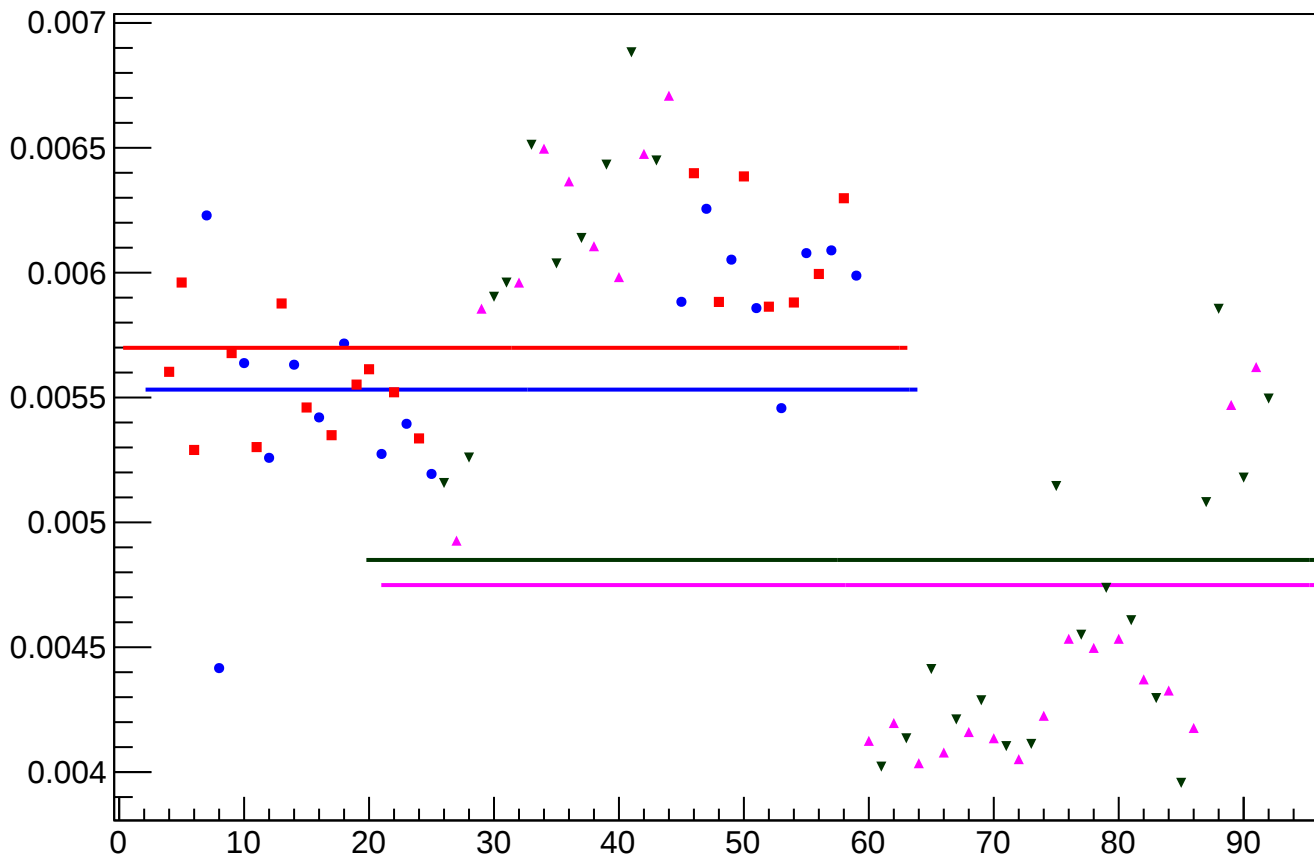
Right Out: -0.220+/-0.000 χ^2/NDF : 4721801975.9/18

Left In: 0.417+/-0.000 χ^2/NDF : 4036499143.1/24

0.180+/-0.000 χ^2/NDF : 112245275662.2/44

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 : 747047.9/26

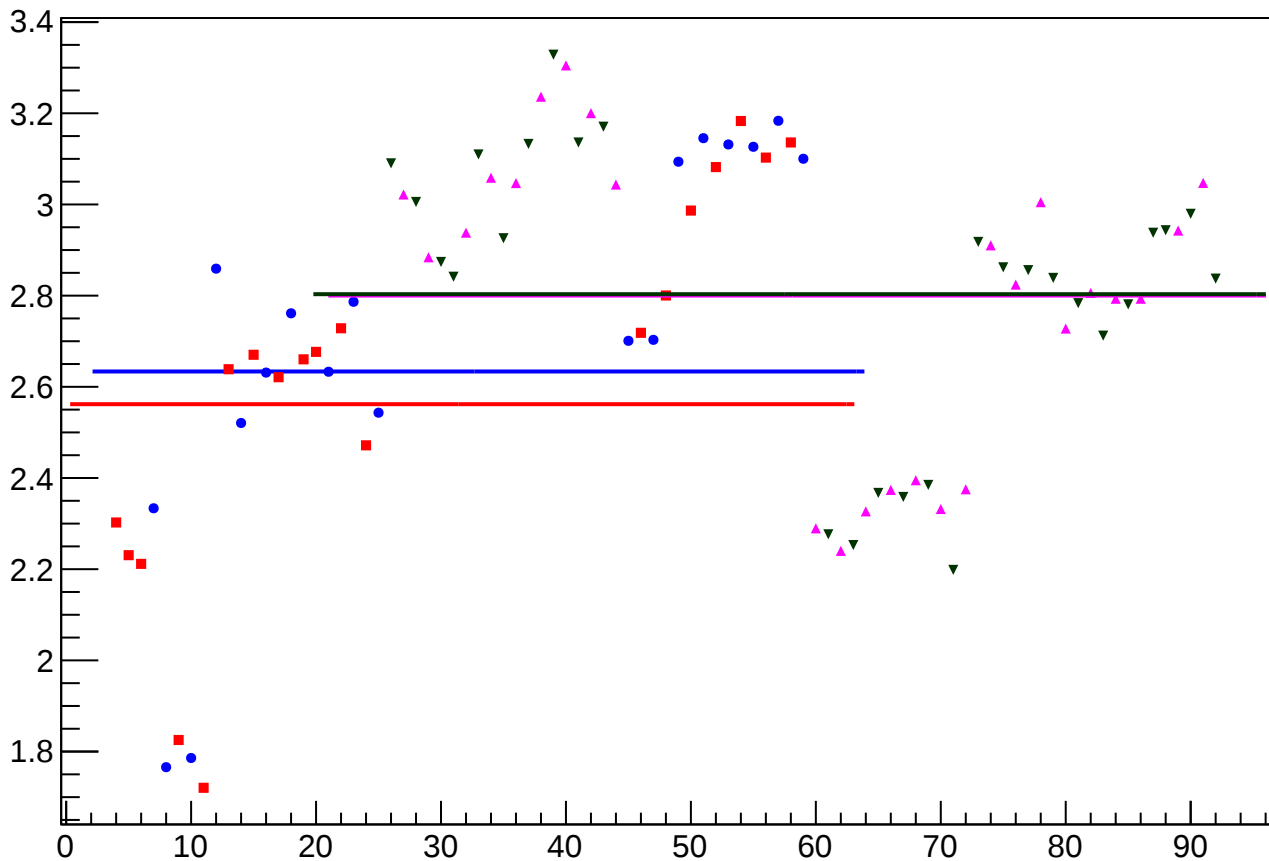
Right Out: 0.006+/-0.000 χ^2/NDF : 66415.4/18

Left In: 0.005+/-0.000 χ^2/NDF : 778331.3/24

0.005+/-0.000 χ^2/NDF : 1130730.9/44

0.005+/-0.000 χ^2/NDF : 1194987.4/43

yield_bpm0l06X_mean vs slug



Right In: 2.634 ± 0.000 $\chi^2/\text{NDF}: 15879791998.3/17$

Left Out: 2.803 ± 0.000 $\chi^2/\text{NDF}: 13147177511.2/26$

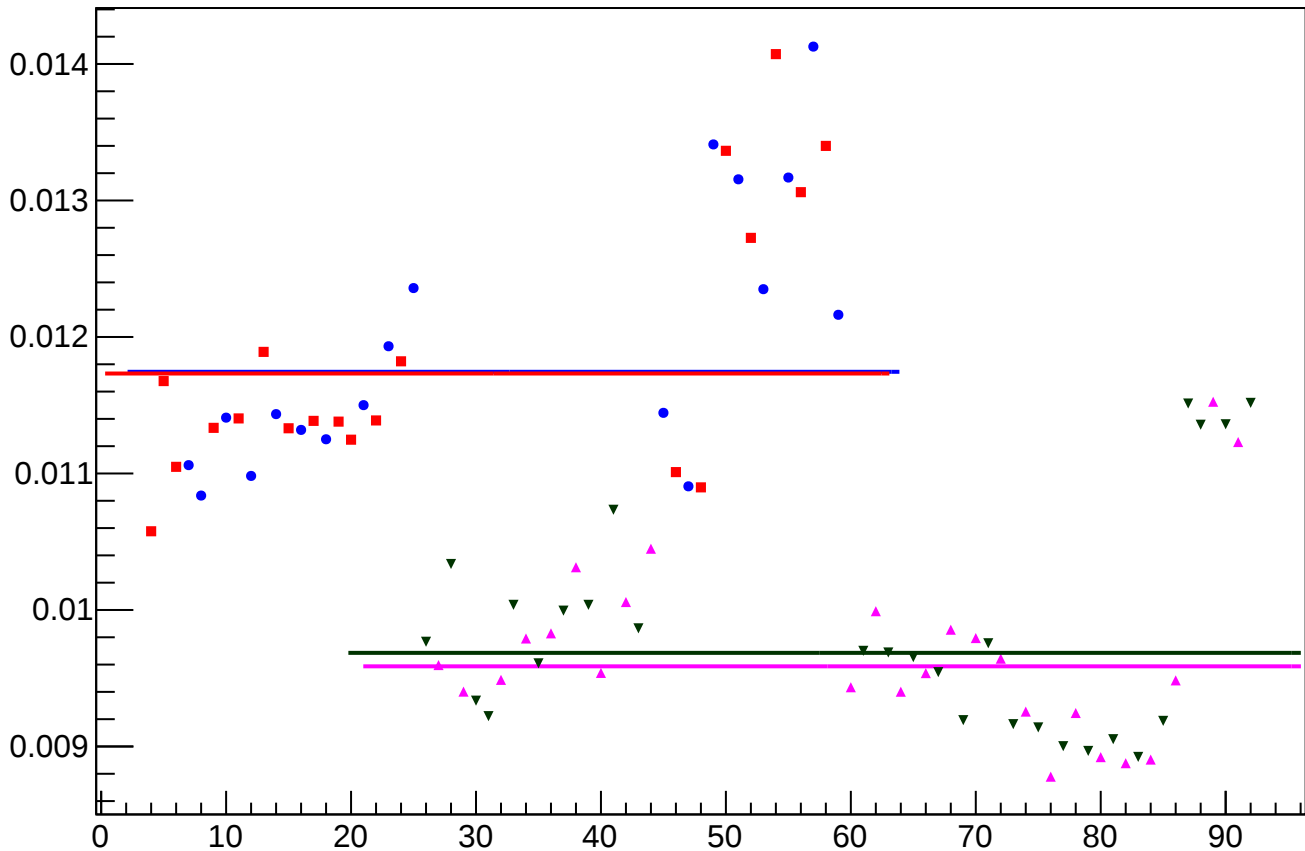
2.742 ± 0.000 $\chi^2/\text{NDF}: 30478561029.0/44$

Right Out: 2.562 ± 0.000 $\chi^2/\text{NDF}: 12349960173.0/18$

2.723 ± 0.000 $\chi^2/\text{NDF}: 28548047994.7/43$

Left In: 2.800 ± 0.000 $\chi^2/\text{NDF}: 13513168691.6/24$

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:124748.0/26

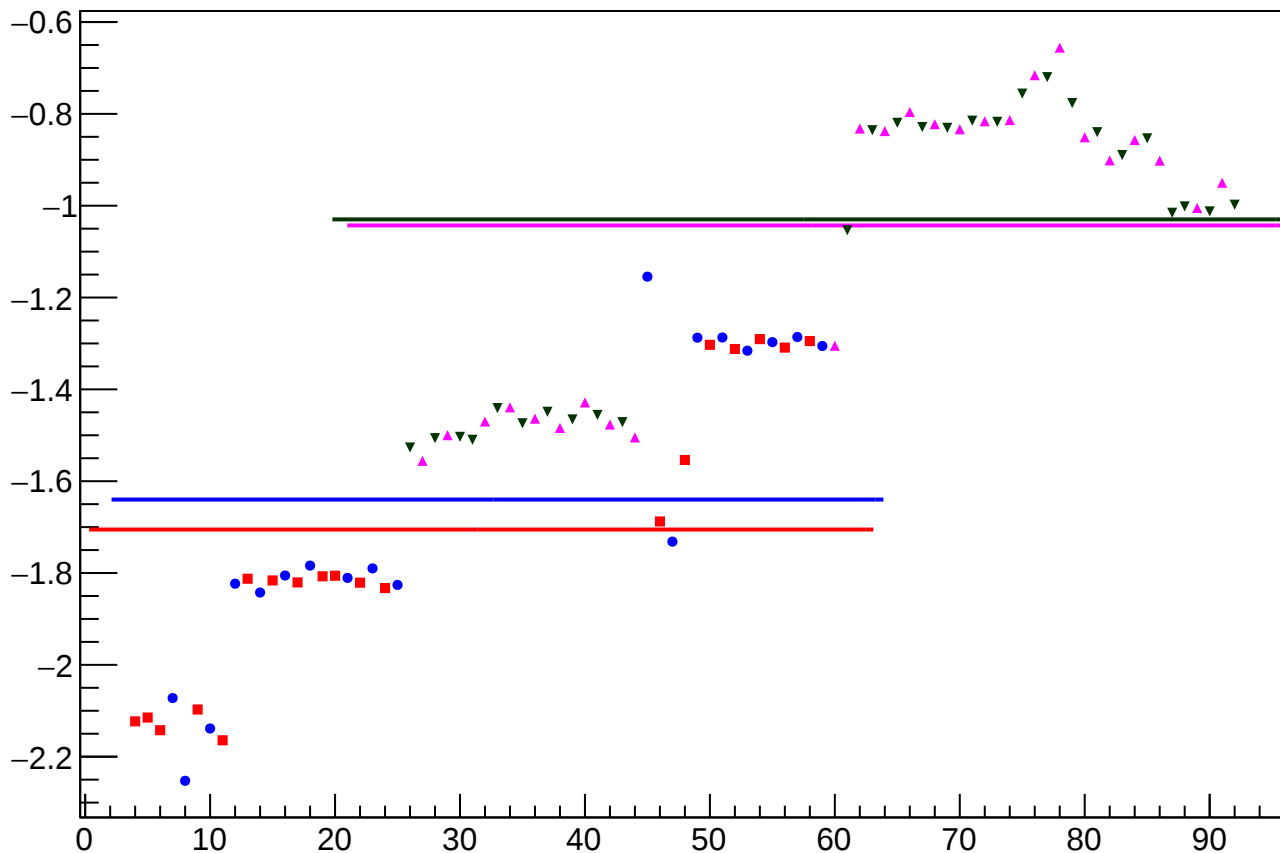
0.010 $\pm$ 0.000 χ^2 /NDF: 670313.1/44

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 107336.5/18

0.010 $\pm$ 0.000 χ^2 /NDF: 636616.2/43

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:93878.8/24

yield_bpm0l06Y_mean vs slug



Right In: -1.640+/-0.000 χ^2/NDF : 63862011114.5/17

Left Out: -1.030+/-0.000 χ^2/NDF : 53458731123.5/26

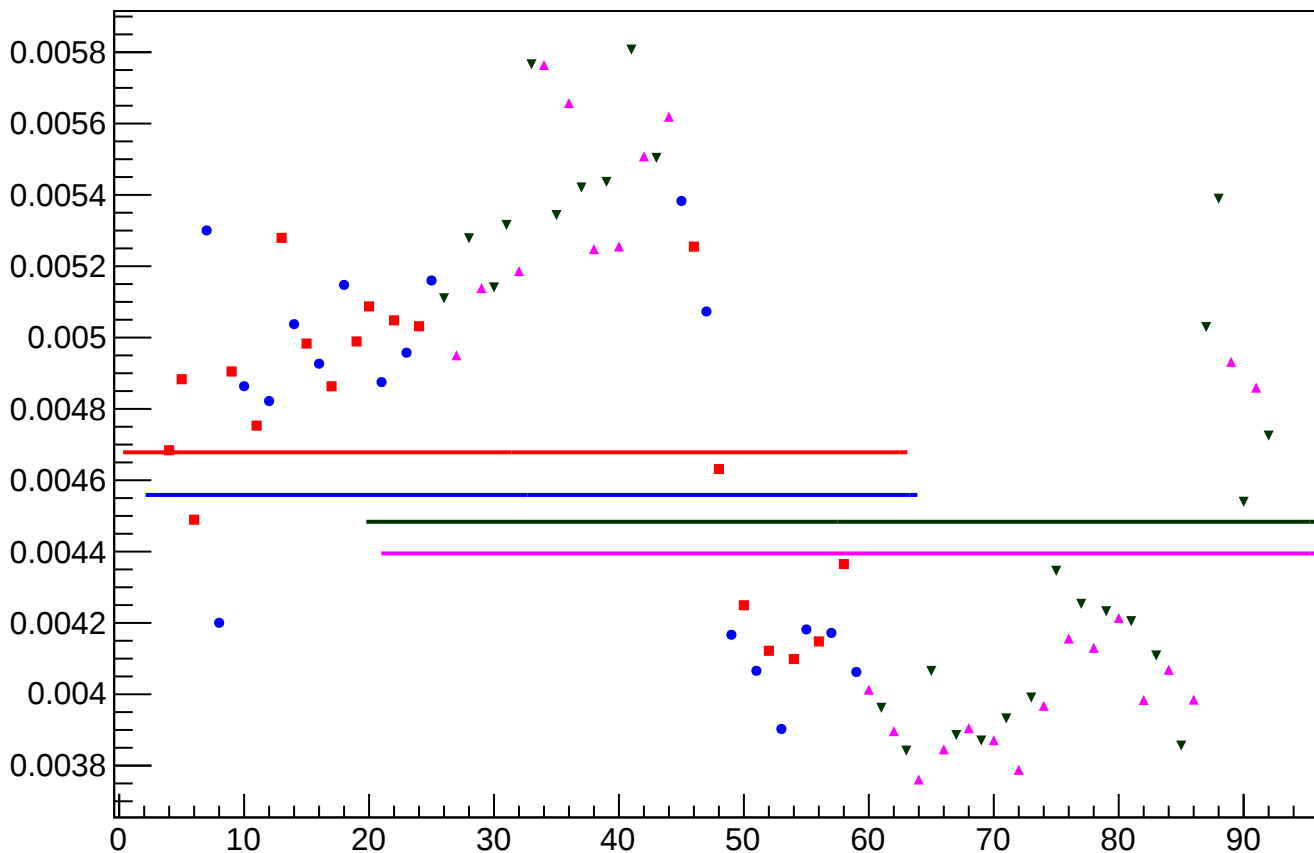
-1.306+/-0.000 χ^2/NDF : 223665878095.0/44

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 : 526433.7/26

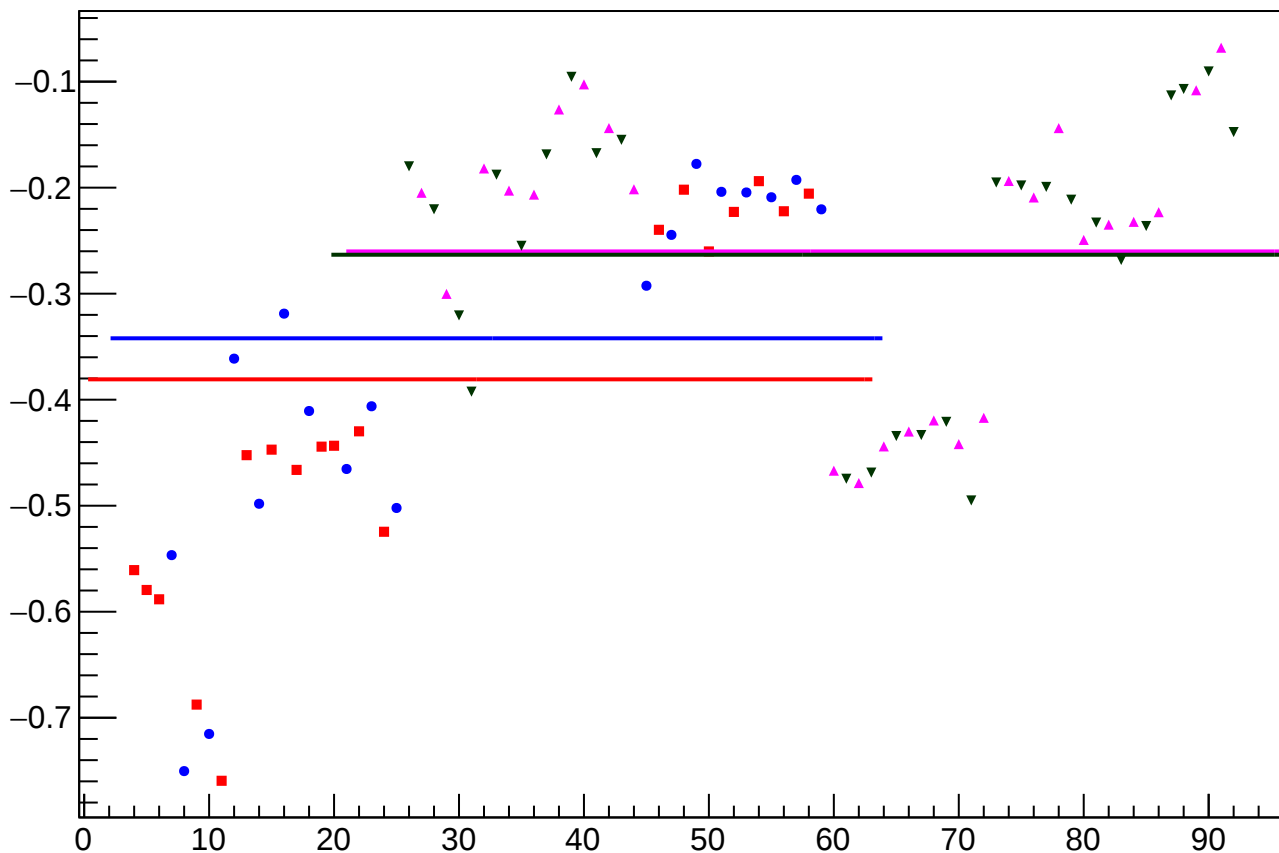
Right Out: 0.005+/-0.000 χ^2/NDF : 136426.0/18

Left In: 0.004+/-0.000 χ^2/NDF : 543803.6/24

0.005+/-0.000 χ^2/NDF : 758264.5/44

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: -0.263+/-0.000 χ^2/NDF : 879833875.7/26

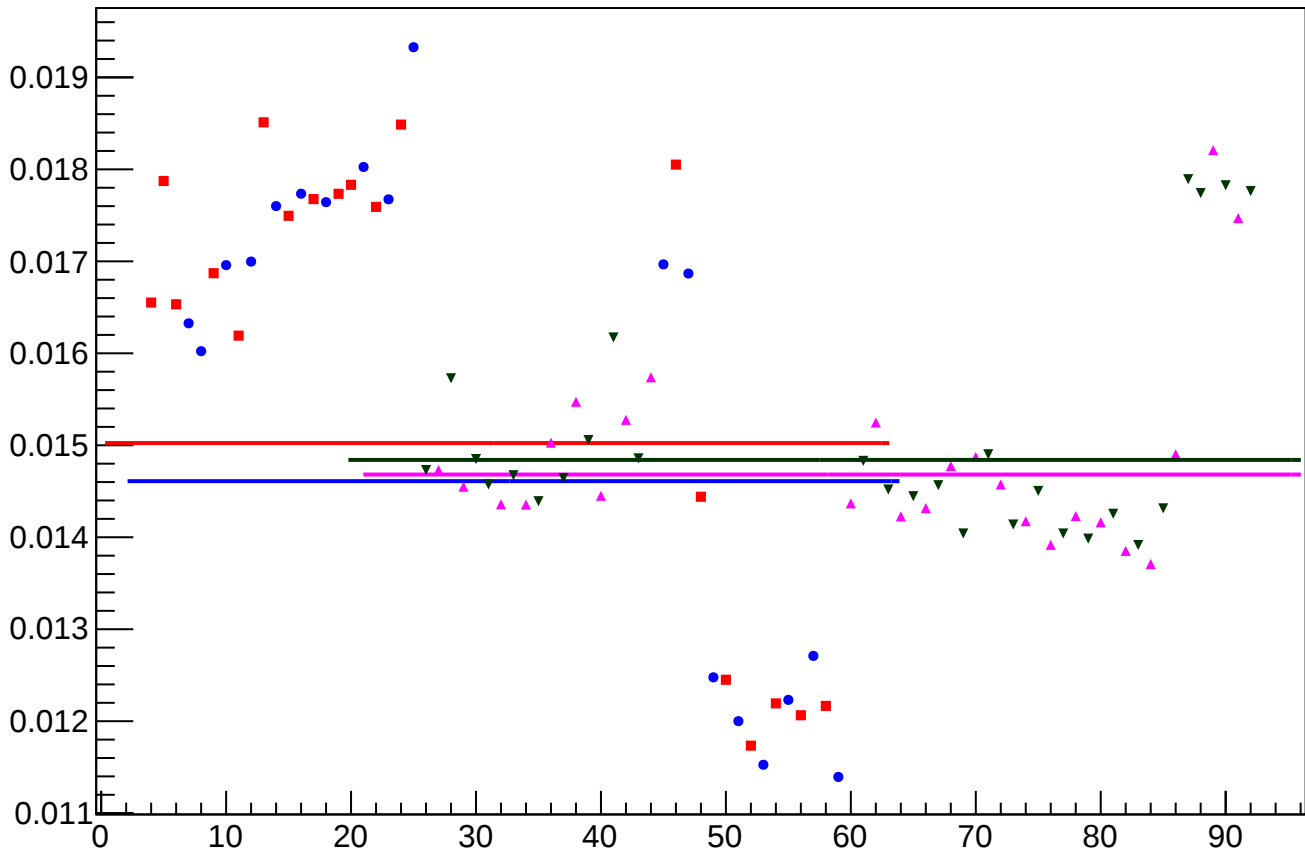
-0.299+/-0.000 χ^2/NDF : 2718677506.9/44

Right Out: -0.381+/-0.000 χ^2/NDF : 1387002500.9/18

-0.308+/-0.000 χ^2/NDF : 2638355312.8/43

Left In: -0.260+/-0.000 χ^2/NDF : 887540222.2/24

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 :111837.8/26

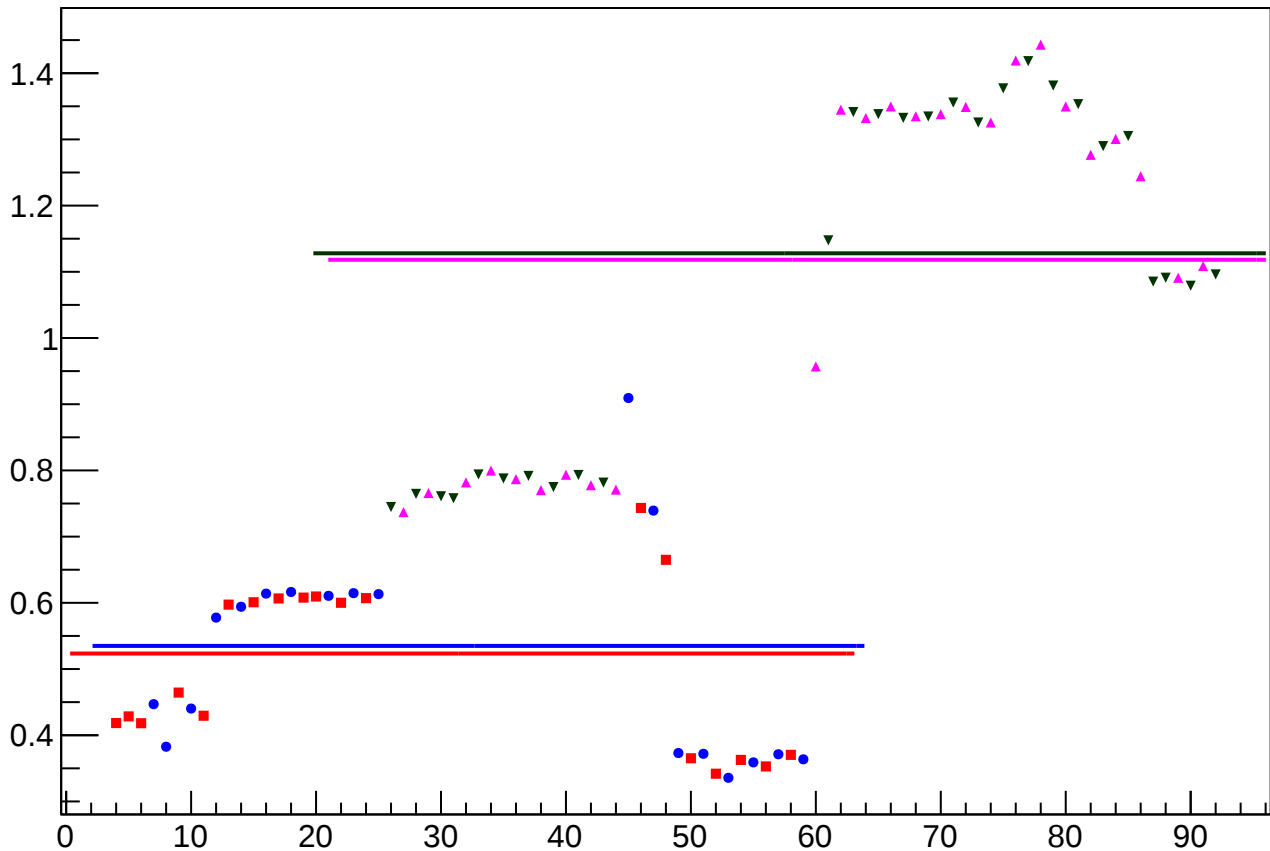
Right Out: 0.015+/-0.000 χ^2/NDF : 573783.3/18

Left In: 0.015+/-0.000 χ^2/NDF :86408.4/24

0.015+/-0.000 χ^2/NDF : 826670.0/44

0.015+/-0.000 χ^2/NDF : 666036.6/43

yield_bpm0l07Y_mean vs slug



Right In: 0.535 $\pm$ 0.000 χ^2 /NDF: 21231144094.8/17

Left Out: 1.128 $\pm$ 0.000 χ^2 /NDF:99426724115.9/26

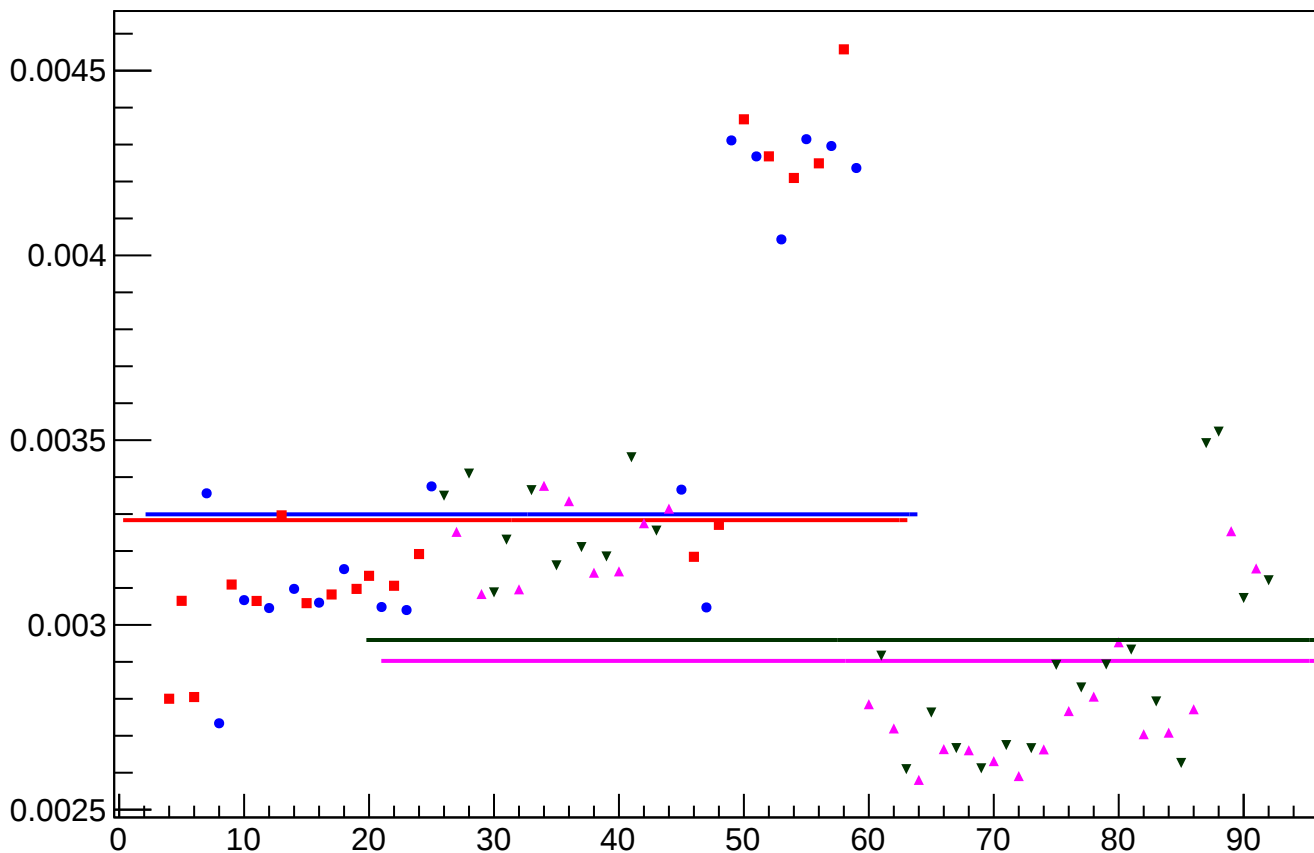
0.890 $\pm$ 0.000 χ^2 /NDF: 328303685993.8/44

Right Out: 0.523 $\pm$ 0.000 χ^2 /NDF: 11523934099.1/18

0.907 $\pm$ 0.000 χ^2 /NDF: 323303729759.1/43

Left In: 1.118 $\pm$ 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 :236268.2/26

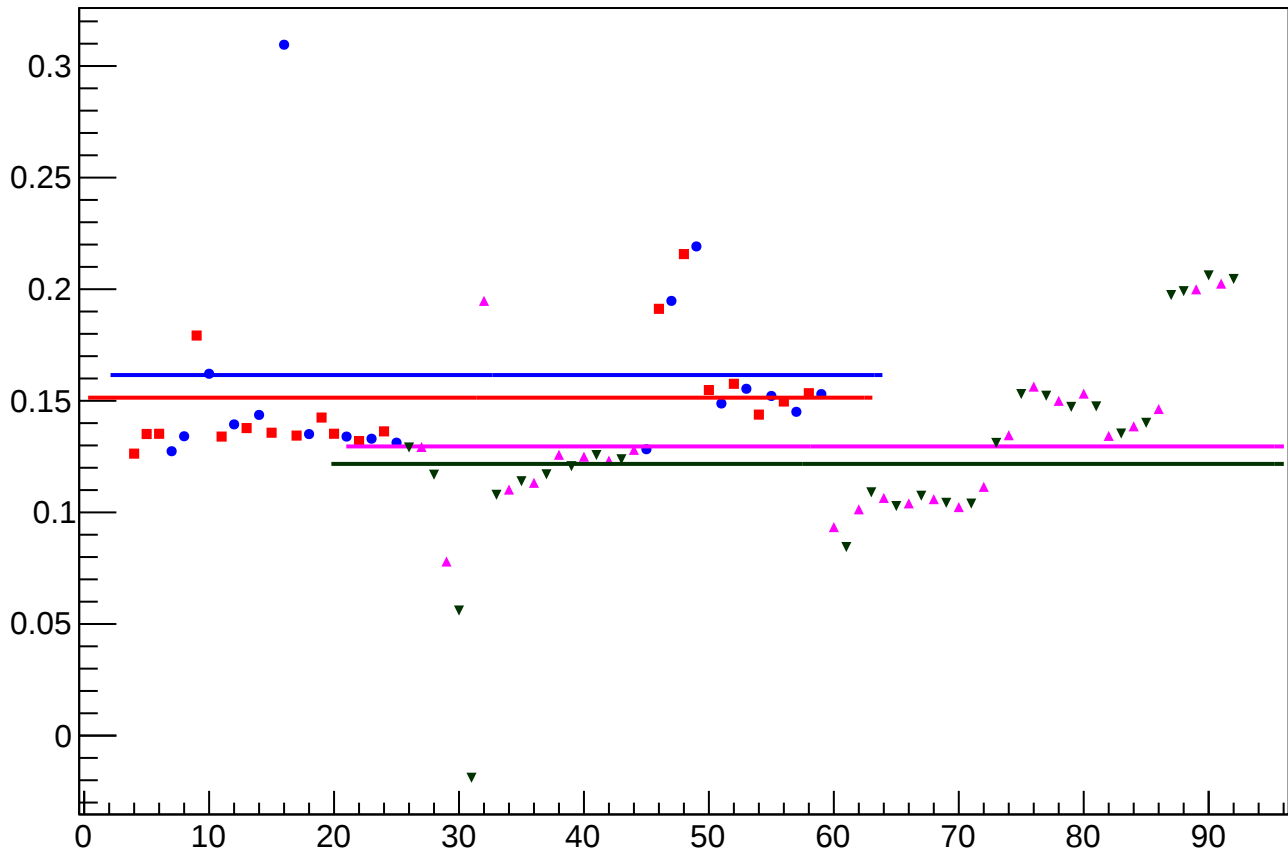
Right Out: 0.003+/-0.000 χ^2/NDF : 382277.8/18

Left In: 0.003+/-0.000 χ^2/NDF :212303.0/24

0.003+/-0.000 χ^2/NDF : 870419.4/44

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: 0.122 $\pm$ 0.000 χ^2 /NDF:101827541.1/26

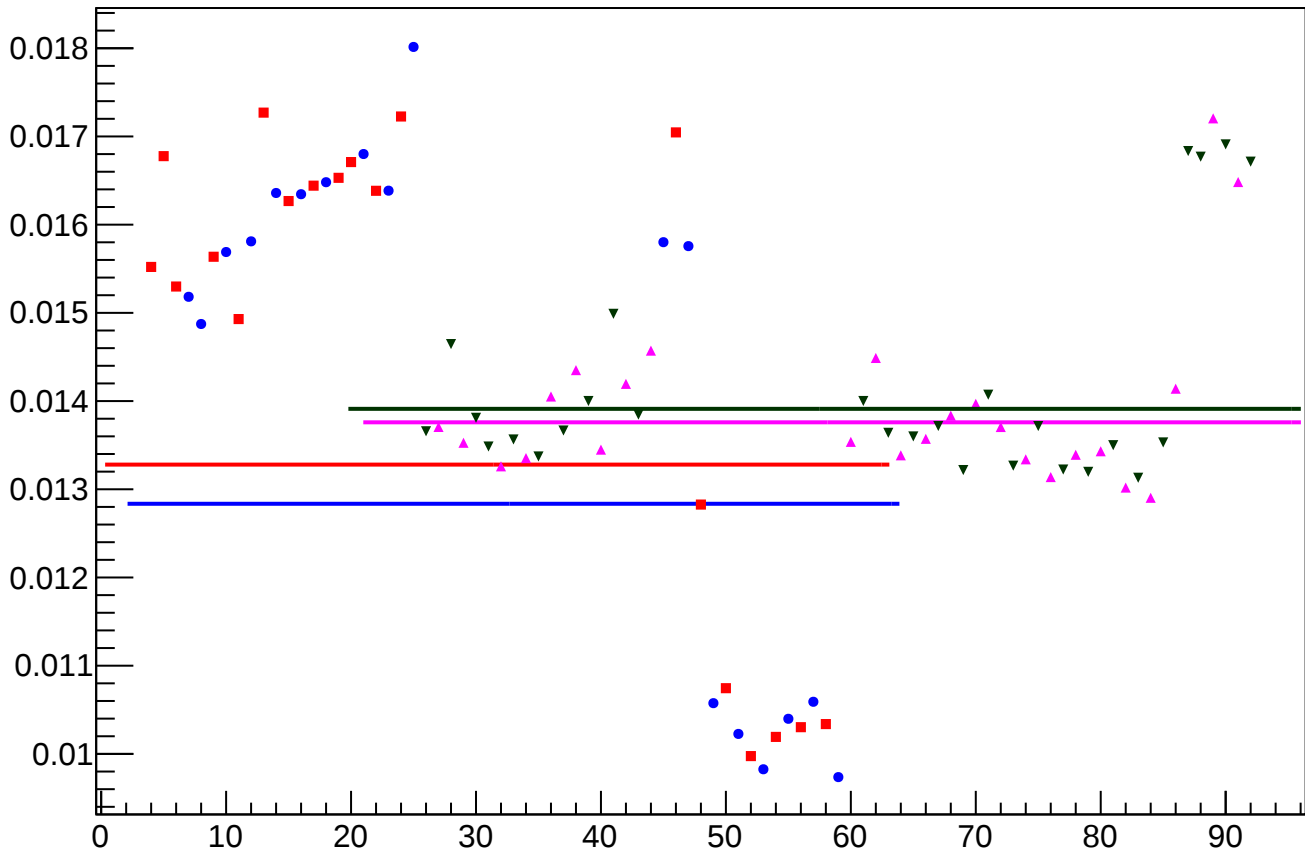
Right Out: 0.151 $\pm$ 0.000 χ^2 /NDF: 22463584.0/18

Left In: 0.130 $\pm$ 0.000 χ^2 /NDF:70665522.3/24

0.141 $\pm$ 0.000 χ^2 /NDF: 248573204.8/44

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 :111737.7/26

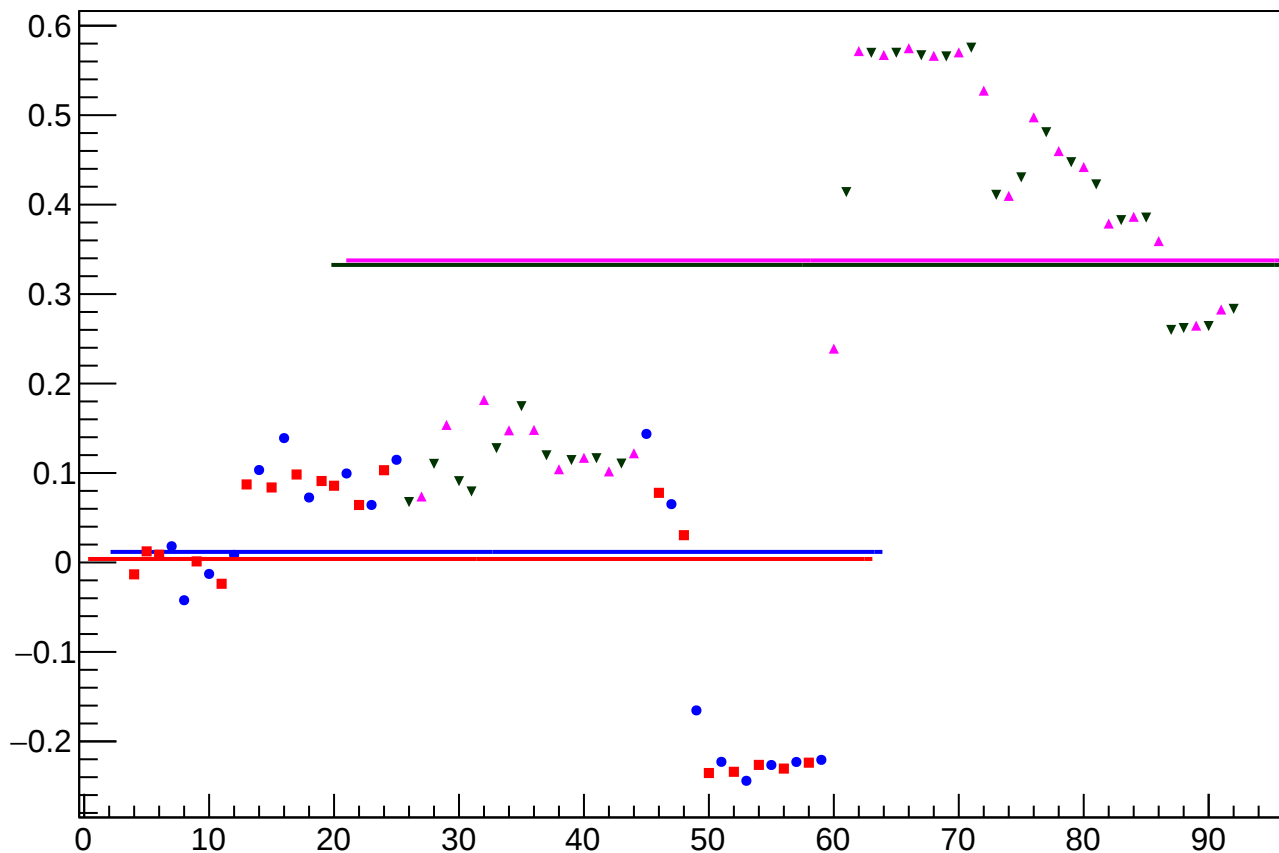
0.013+/-0.000 χ^2/NDF : 1275962.5/44

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: 0.333 $\pm$ 0.000 χ^2 /NDF: 45892944743.6/26

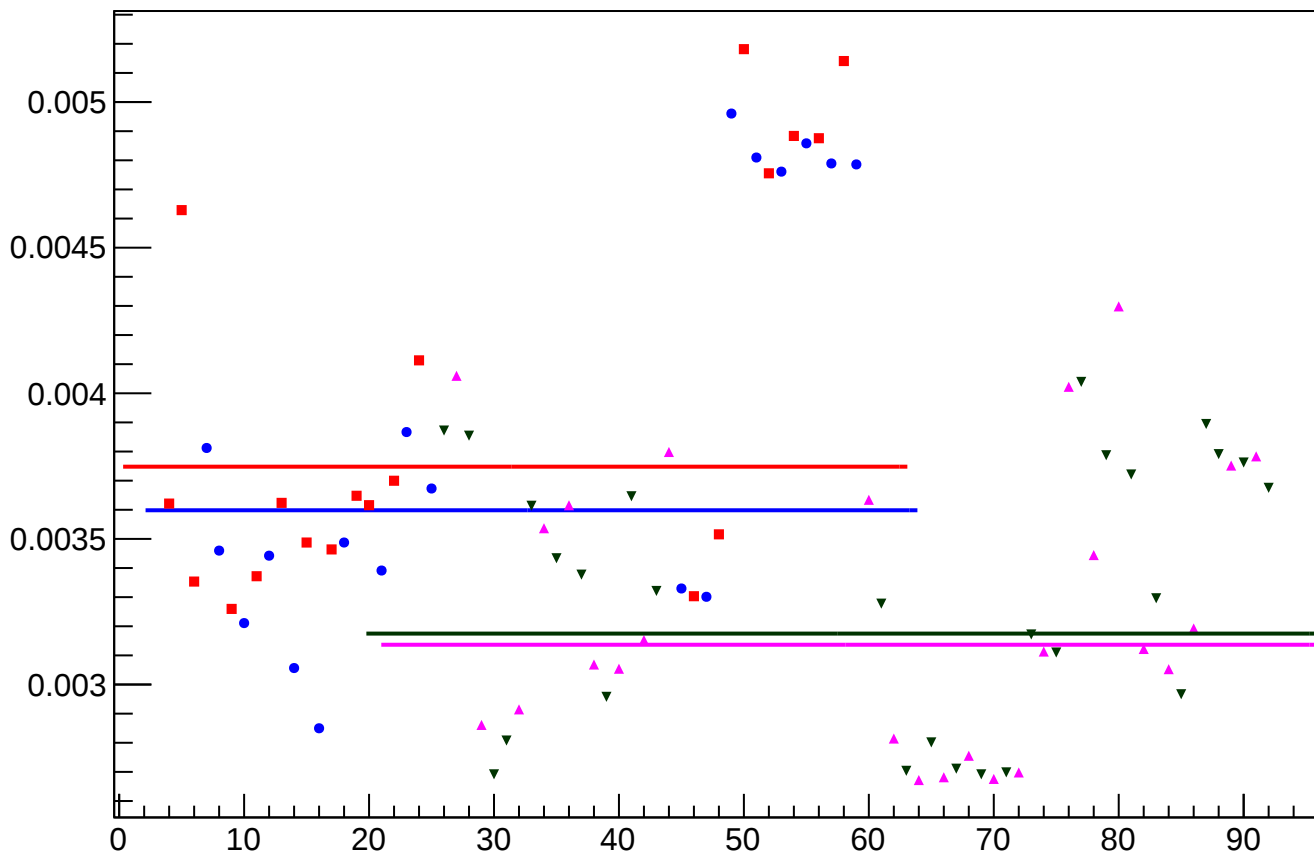
Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 7924148421.7/18

Left In: 0.338 $\pm$ 0.000 χ^2 /NDF: 45337727666.1/24

0.206 $\pm$ 0.000 χ^2 /NDF: 108381179147.0/44

0.227 $\pm$ 0.000 χ^2 /NDF: 101978378560.1/43

yield_bpm0l08Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 672957.8/17

Left Out: 0.003+/-0.000 χ^2/NDF : 471172.5/26

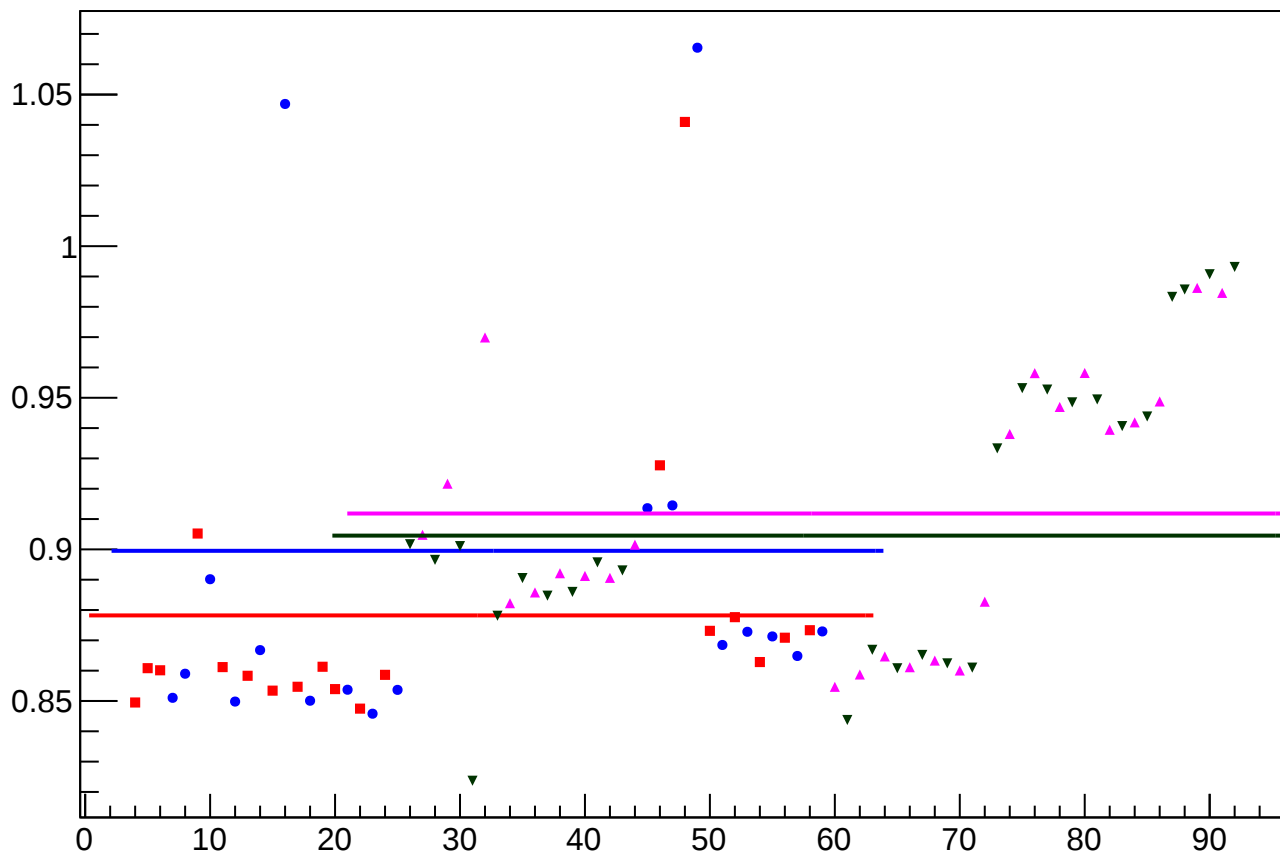
Right Out: 0.004+/-0.000 χ^2/NDF : 427283.7/18

Left In: 0.003+/-0.000 χ^2/NDF : 517717.0/24

0.003+/-0.000 χ^2/NDF : 1319466.3/44

0.003+/-0.000 χ^2/NDF : 1272074.0/43

yield_bpm0l09X_mean vs slug



Right In: 0.900 $\pm$ 0.000 χ^2 /NDF: 324904340.4/17

Left Out: 0.905 $\pm$ 0.000 χ^2 /NDF: 119897815.1/26

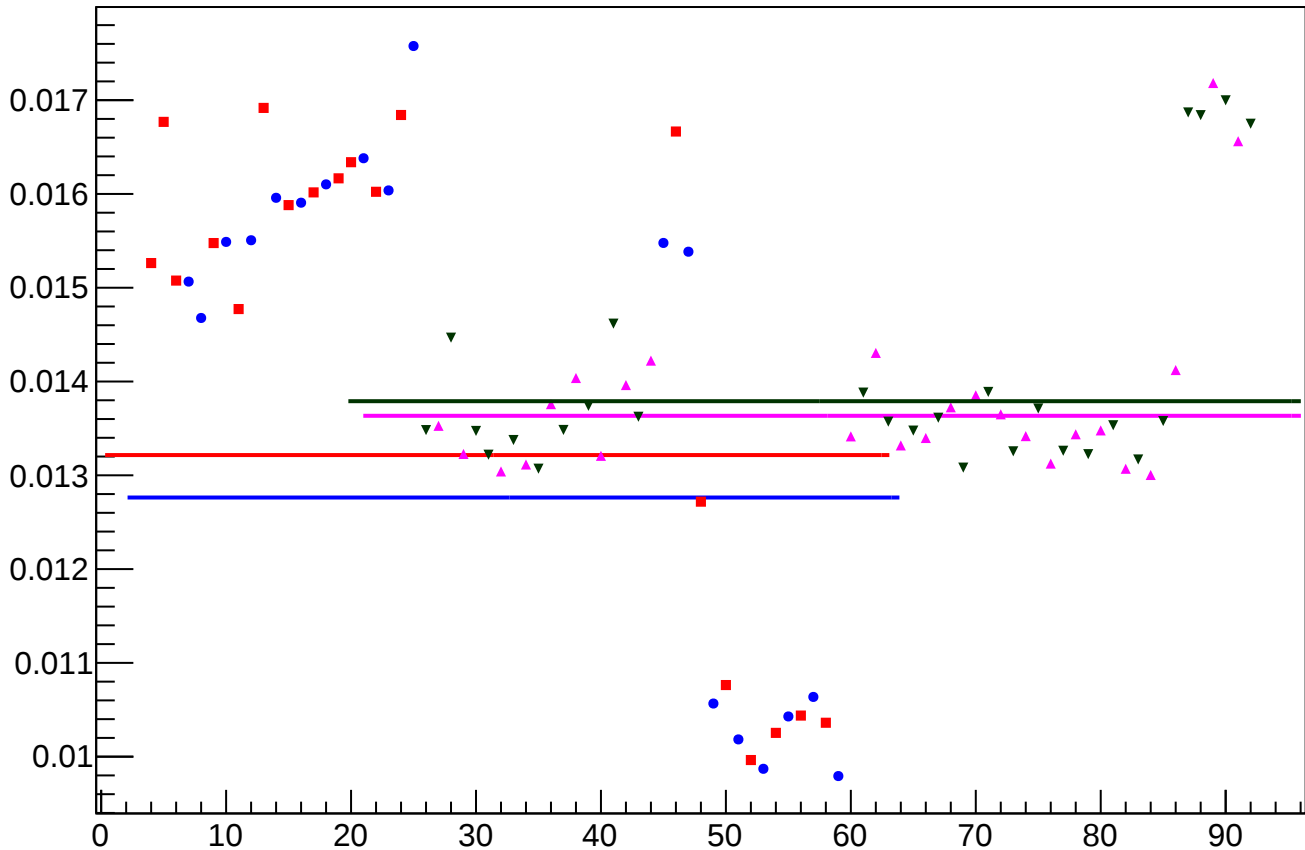
Right Out: 0.878 $\pm$ 0.000 χ^2 /NDF: 92356263.0/18

Left In: 0.912 $\pm$ 0.000 χ^2 /NDF: 115069392.8/24

0.902 $\pm$ 0.000 χ^2 /NDF: 445639537.4/44

0.898 $\pm$ 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 :115866.0/26

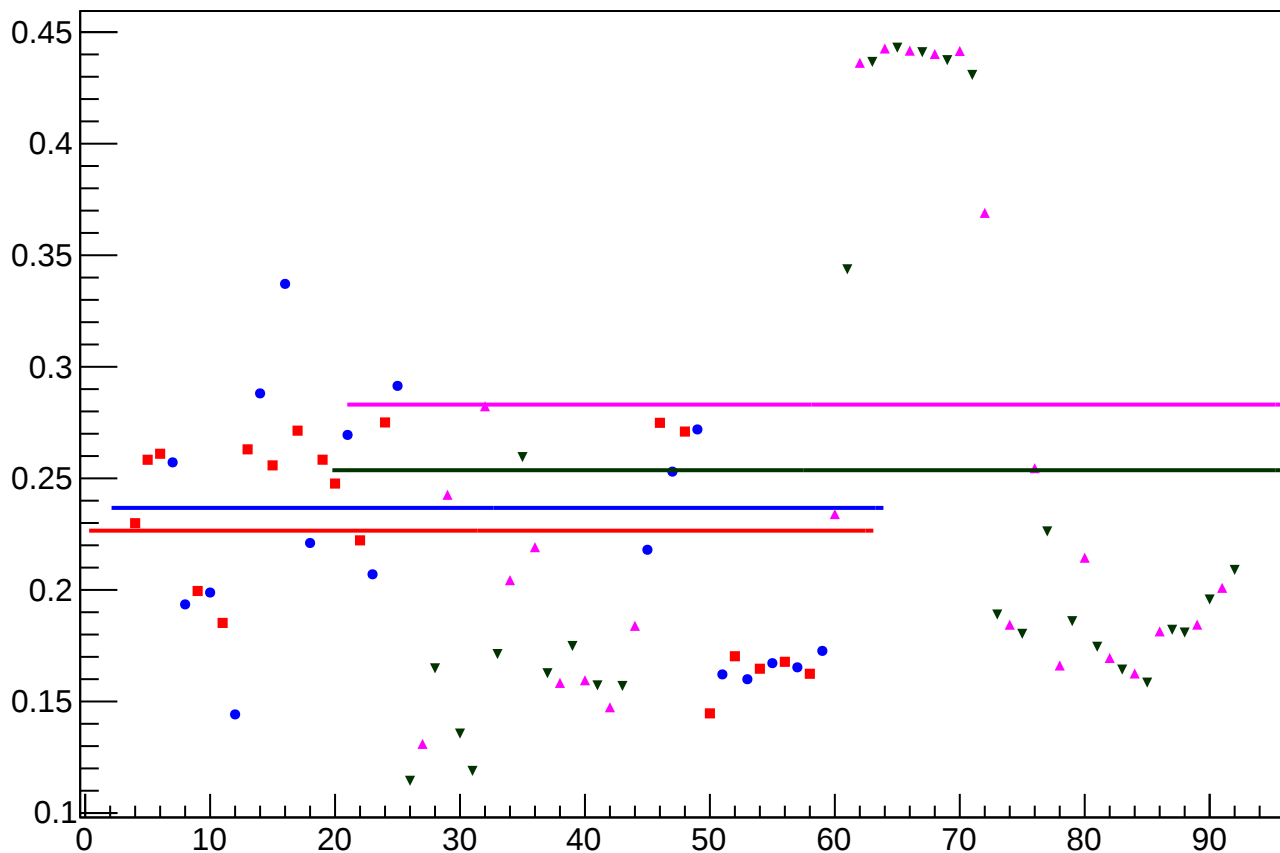
Right Out: 0.013+/-0.000 χ^2/NDF : 798846.8/18

Left In: 0.014+/-0.000 χ^2/NDF :86815.7/24

0.013+/-0.000 χ^2/NDF : 1166249.9/44

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: 0.254 ± 0.000 χ^2/NDF : 16955755754.1/26

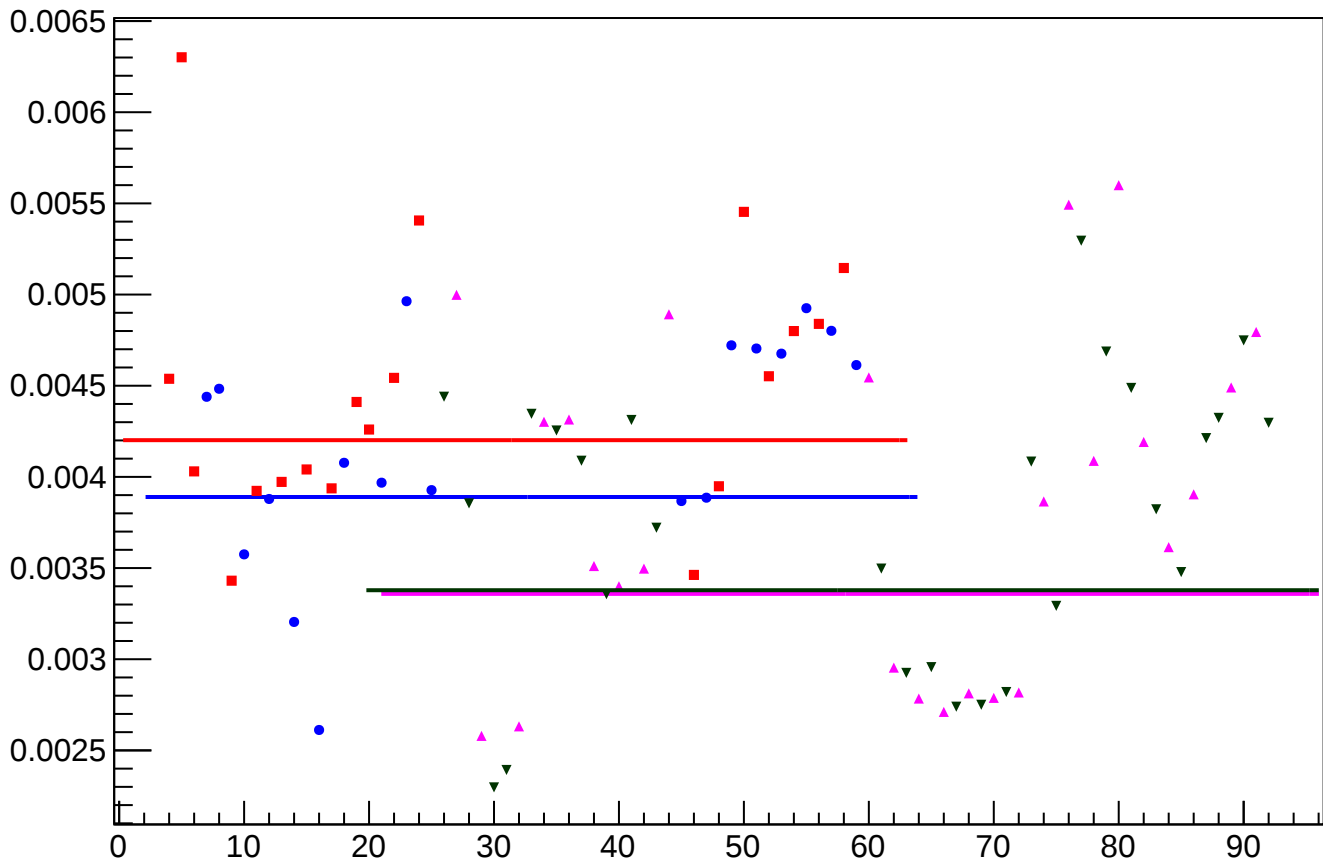
Right Out: 0.227 ± 0.000 χ^2/NDF : 943883207.4/18

Left In: 0.283 ± 0.000 χ^2/NDF : 14000220030.7/24

0.247 ± 0.000 χ^2/NDF : 19484170442.6/44

0.265 ± 0.000 χ^2/NDF : 16047521885.7/43

yield_bpm0l09Y_rms vs slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 695729.3/17

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:1228805.4/26

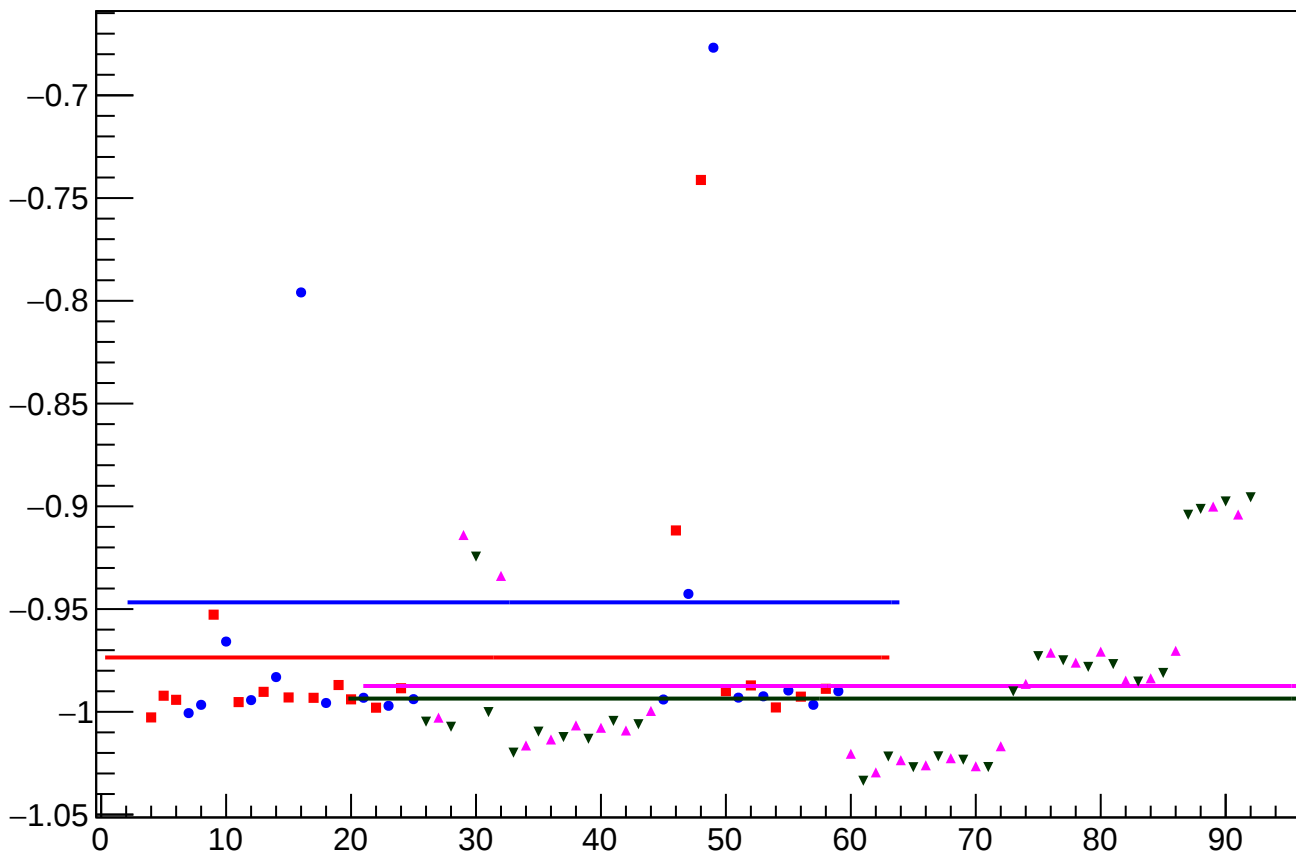
Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 341340.8/18

Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:1473277.3/24

0.004 $\pm$ 0.000 χ^2 /NDF: 2138641.4/44

0.004 $\pm$ 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: -0.994+/-0.000 χ^2/NDF : 87142189.2/26

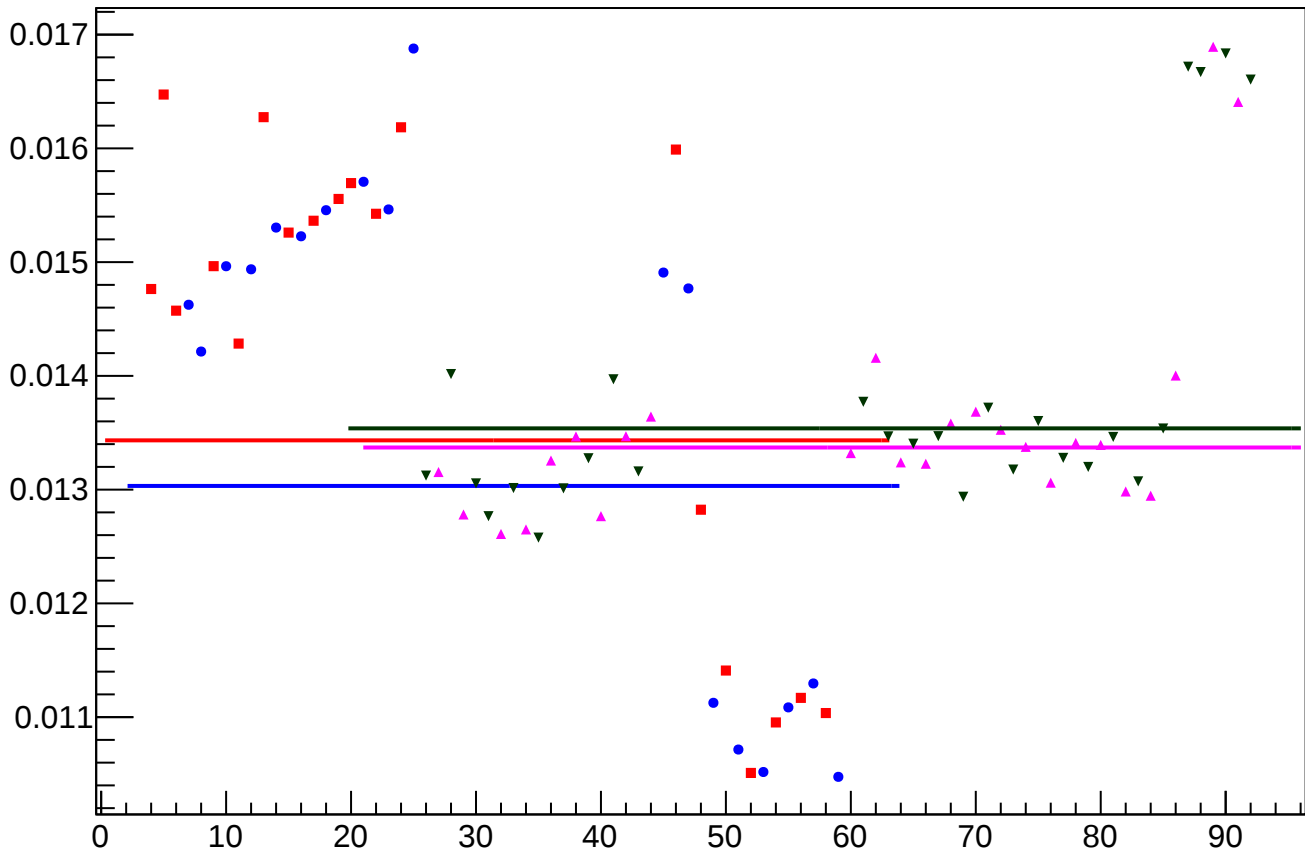
Right Out: -0.974+/-0.000 χ^2/NDF : 174691792.1/18

Left In: -0.987+/-0.000 χ^2/NDF : 104309049.0/24

-0.972+/-0.000 χ^2/NDF : 822637326.8/44

-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: 0.014+/-0.000 χ^2/NDF :121156.4/26

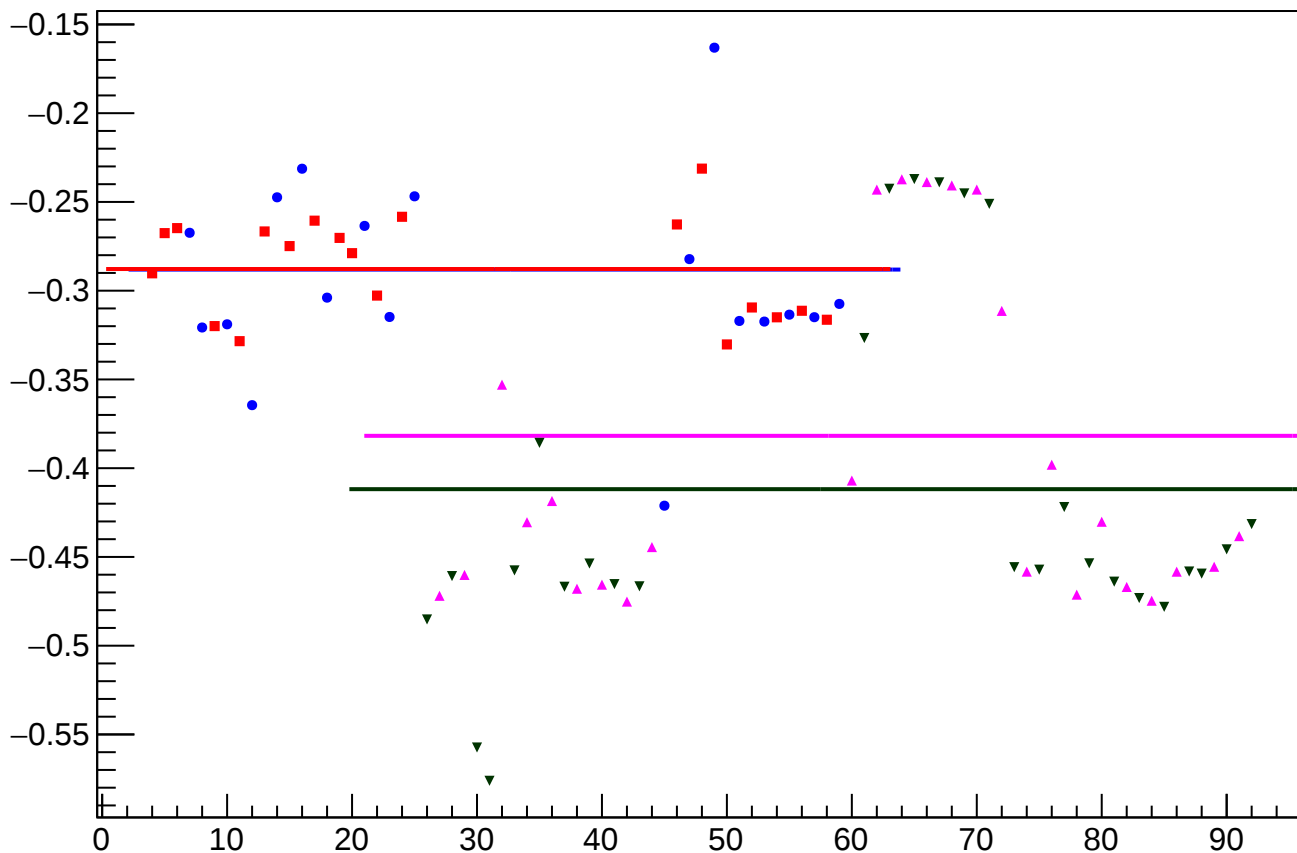
Right Out: 0.013+/-0.000 χ^2/NDF : 479245.1/18

Left In: 0.013+/-0.000 χ^2/NDF :92488.2/24

0.013+/-0.000 χ^2/NDF : 726092.5/44

0.013+/-0.000 χ^2/NDF : 571974.4/43

yield_bpm0l10Y_mean vs slug



Right In: -0.288+/-0.000 χ^2/NDF : 2601289511.6/17

Left Out: -0.412+/-0.000 χ^2/NDF : 14398005587.8/26

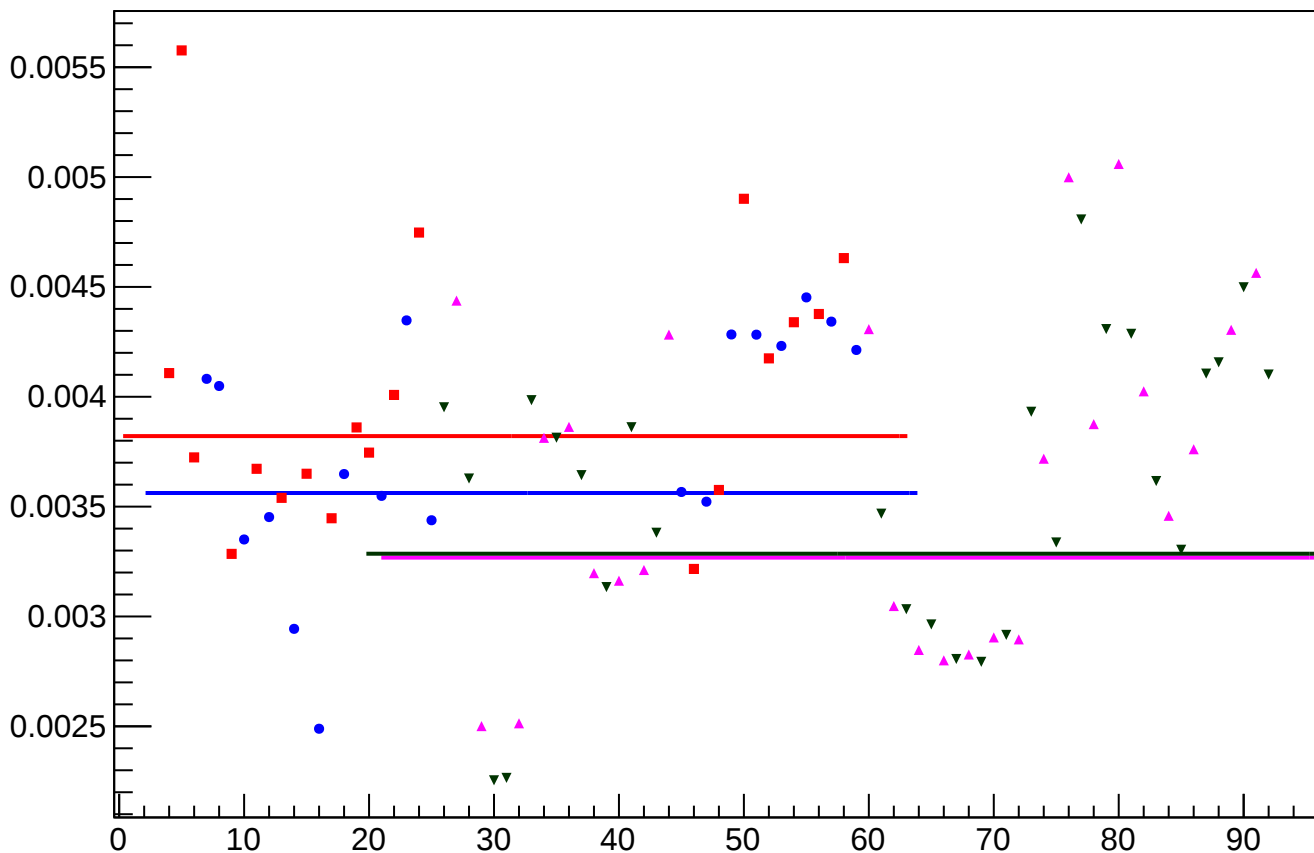
-0.360+/-0.000 χ^2/NDF : 24236926823.7/44

Right Out: -0.288+/-0.000 χ^2/NDF : 515794849.9/18

-0.349+/-0.000 χ^2/NDF : 14435758746.7/43

Left In: -0.382+/-0.000 χ^2/NDF : 10331403404.4/24

yield_bpm0l10Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 588741.6/17

Left Out: 0.003+/-0.000 χ^2/NDF : 950106.5/26

Right Out: 0.004+/-0.000 χ^2/NDF : 282191.6/18

Left In: 0.003+/-0.000 χ^2/NDF : 1133254.1/24

0.003+/-0.000 χ^2/NDF : 1611090.8/44

0.003+/-0.000 χ^2/NDF : 1664050.0/43