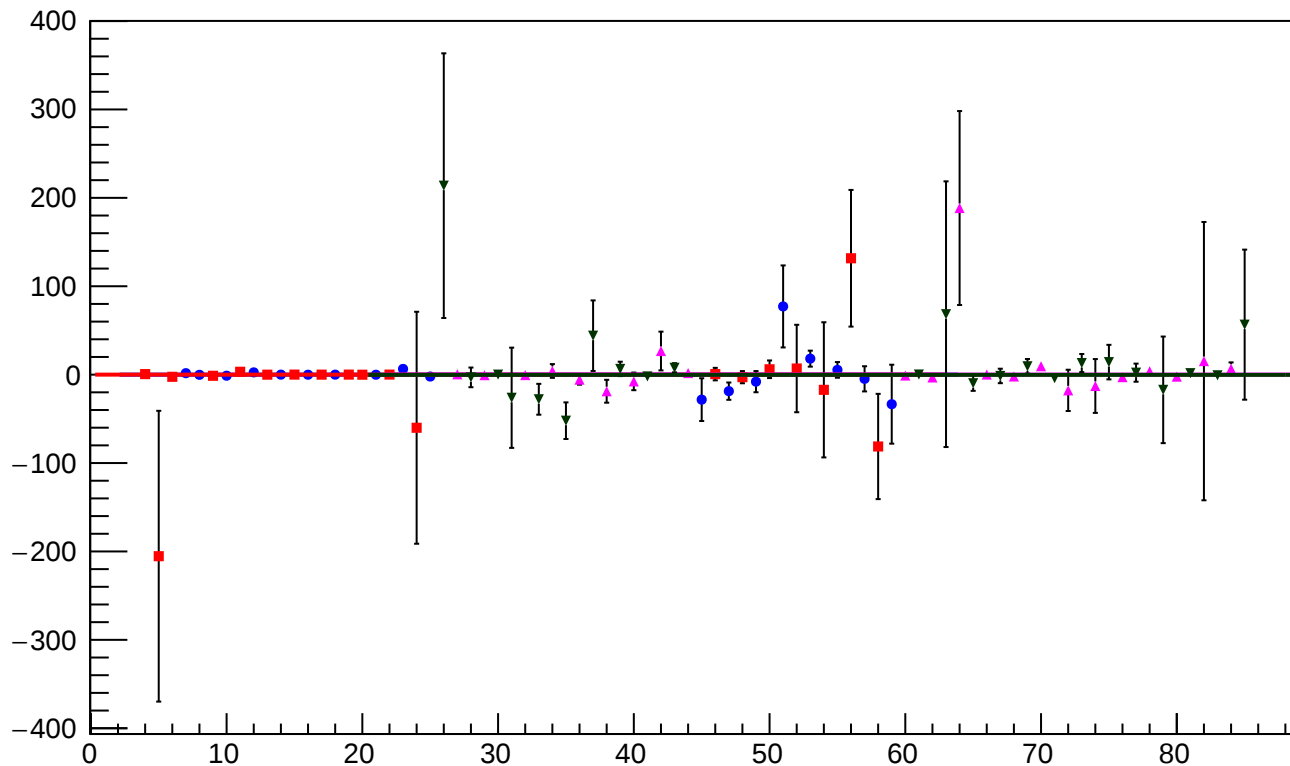


diff_cav4bX_mean vs slug



Right In: -0.014 $\pm$ 0.014

Left Out: -0.236 $\pm$ 0.916

Right Out: 0.017 $\pm$ 0.016

Left In: 0.070 $\pm$ 0.073

χ^2 /NDF: 31.2/17

χ^2 /NDF: 23.9/22

χ^2 /NDF: 24.7/18

χ^2 /NDF: 30.9/21

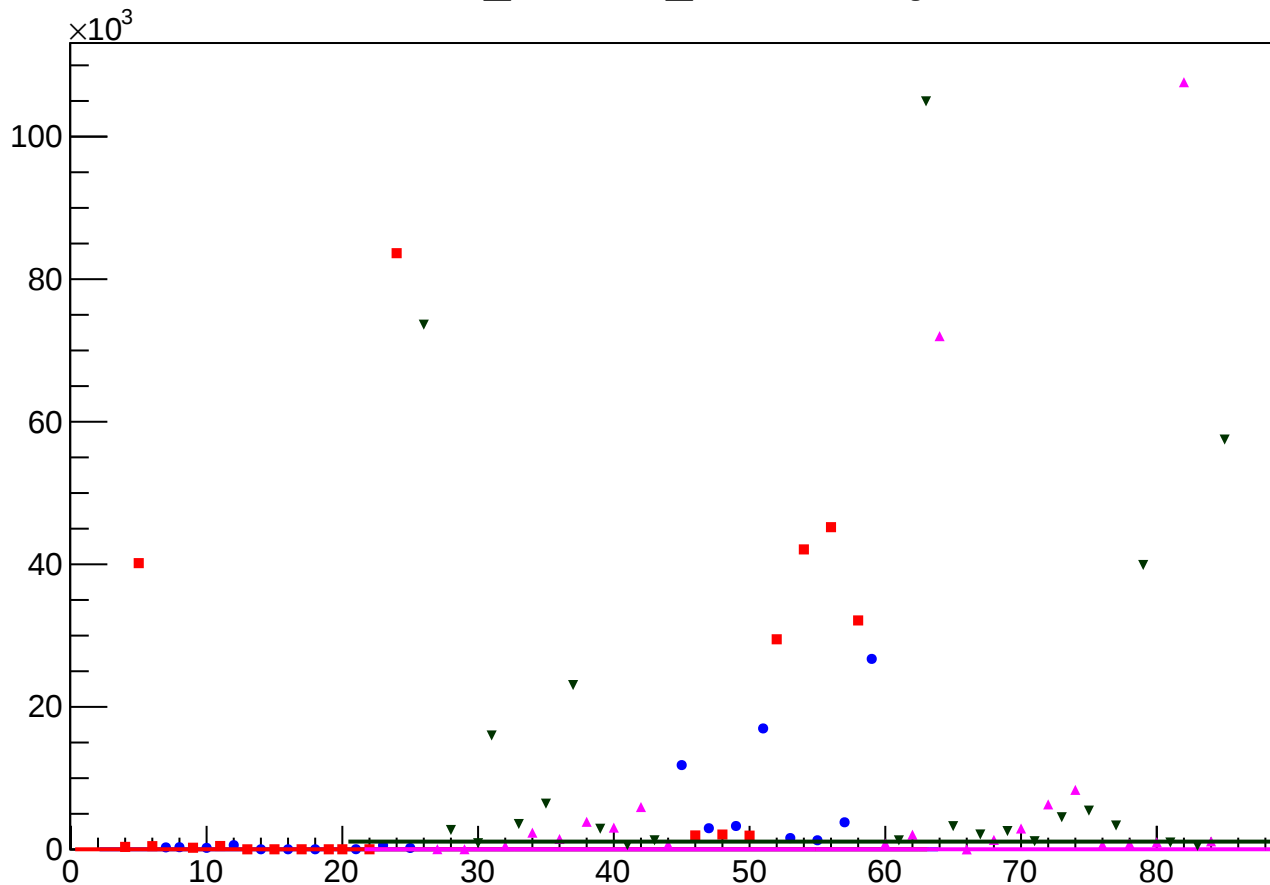
-0.014 $\pm$ 0.014

0.019 $\pm$ 0.016

χ^2 /NDF: 55.2/40

χ^2 /NDF: 56.1/40

diff_cav4bX_rms vs slug



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

Left Out: 1101.256 $\pm$ 0.648 χ^2/NDF : 5126701.7/22

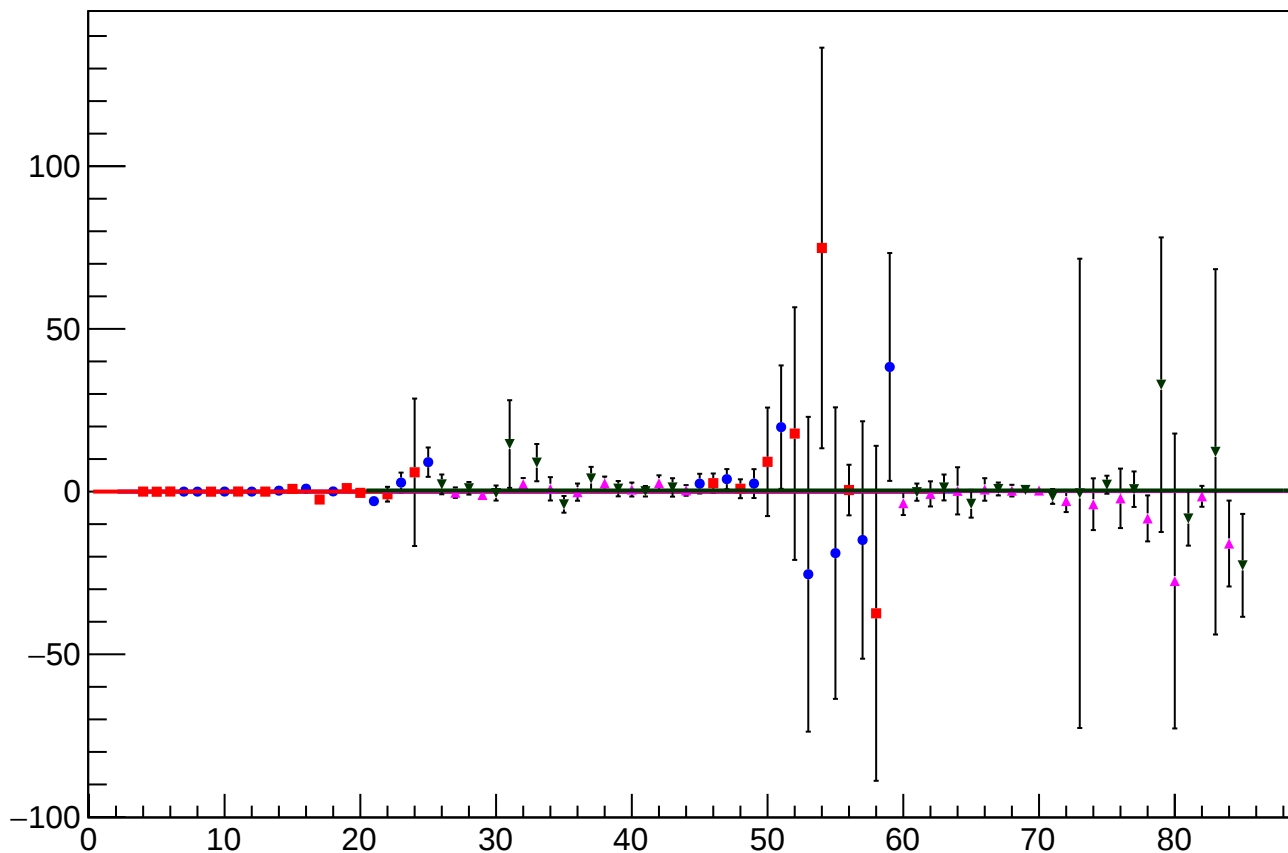
Right Out: 22.611 $\pm$ 0.011 χ^2/NDF : 4395534.2/18

Left In: 26.849 $\pm$ 0.051 χ^2/NDF : 6588517.8/21

22.693 $\pm$ 0.010 χ^2/NDF : 10703125.3/40

22.810 $\pm$ 0.011 χ^2/NDF : 10990512.8/40

diff_cav4bY_mean vs slug



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

Left Out: 0.344 ± 0.587 χ^2/NDF : 13.9/22

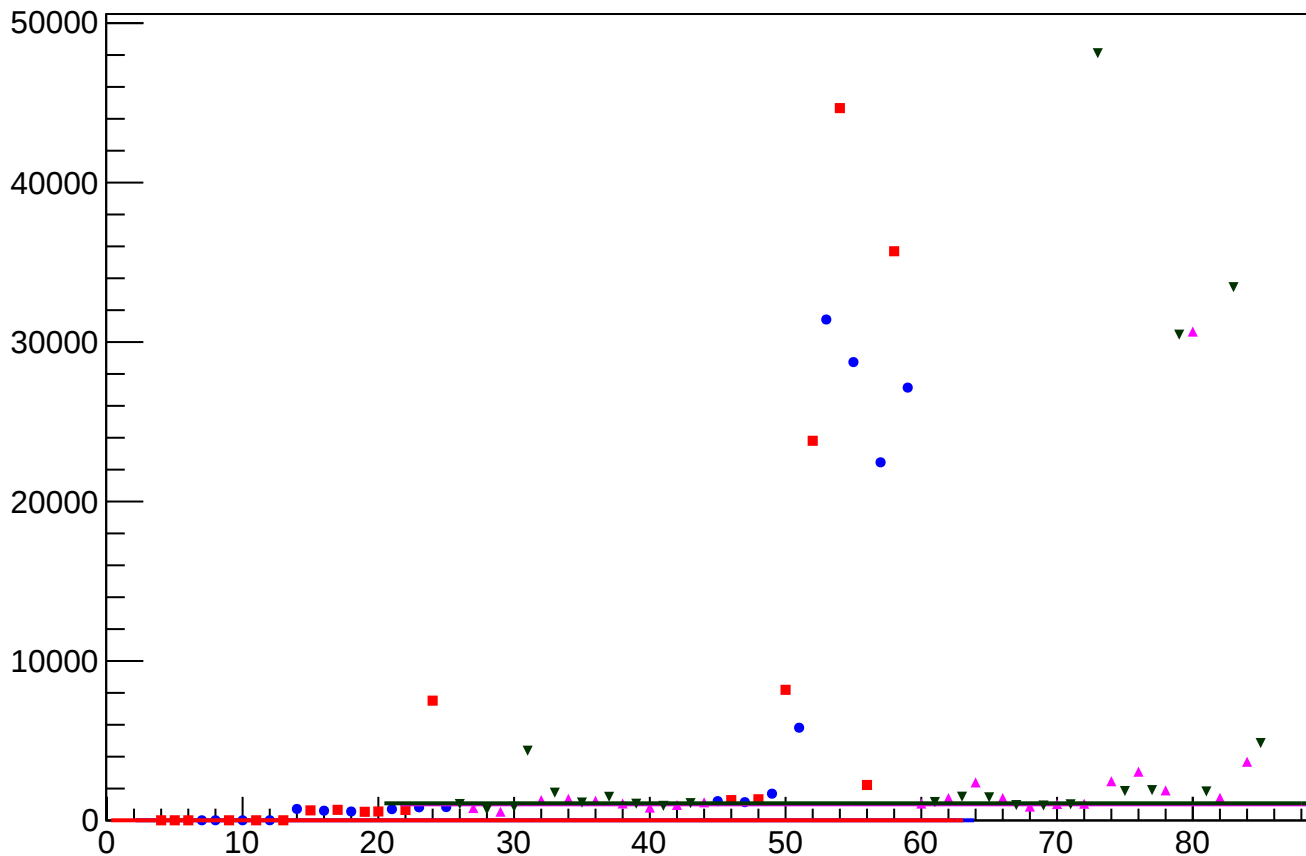
Right Out: 0.002 ± 0.005 χ^2/NDF : 20.3/18

Left In: 0.152 ± 0.518 χ^2/NDF : 10.4/21

-0.001 ± 0.006 χ^2/NDF : 37.8/40

0.002 ± 0.005 χ^2/NDF : 30.8/40

diff_cav4bY_rms vs slug



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

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

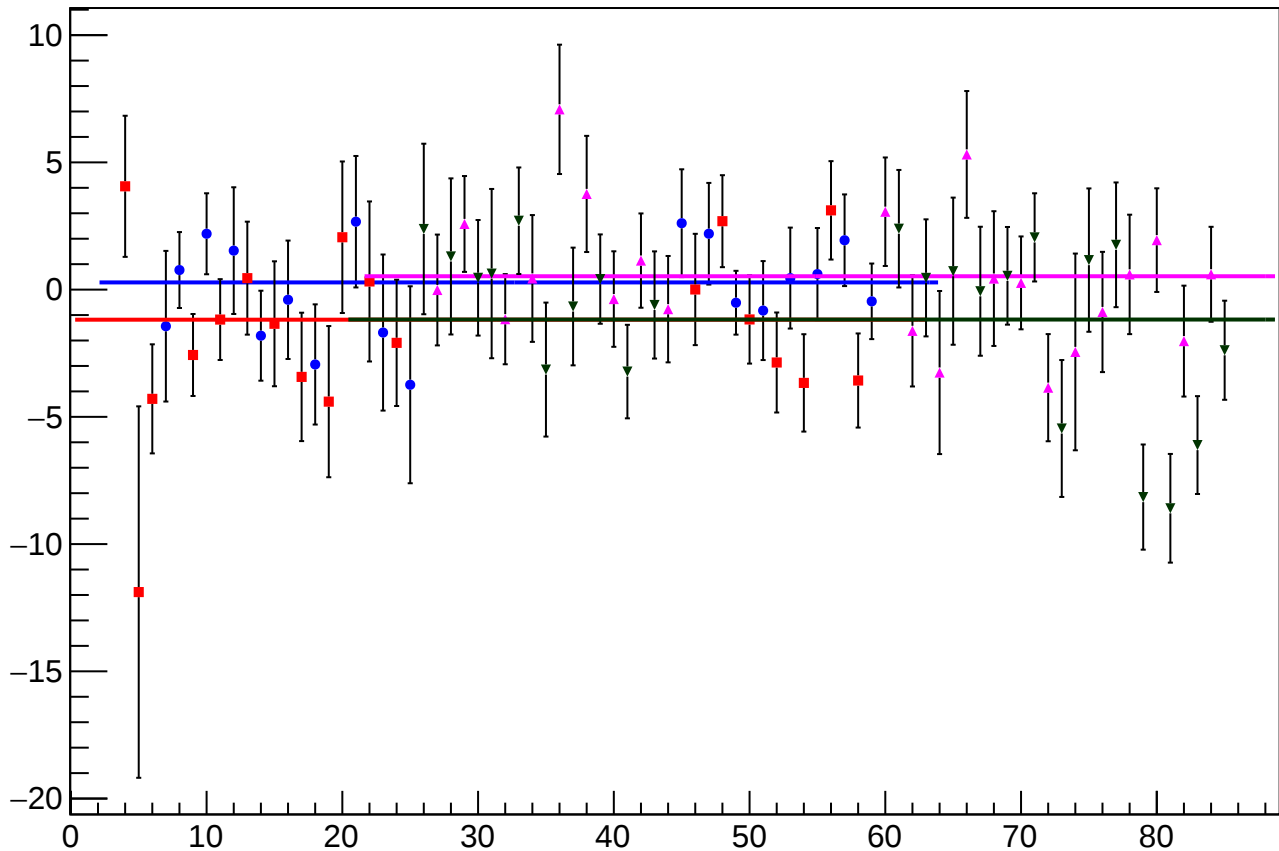
Right Out: 10.086+/-0.004 χ^2 /NDF: 6750125.6/18

Left In: 1009.711+/-0.366 χ^2 /NDF:1681334.7/21

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

10.196+/-0.004 χ^2 /NDF: 15870970.7/40

diff_cav4cX_mean vs slug



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

Left Out: -1.176 ± 0.468 χ^2/NDF : 51.7/22

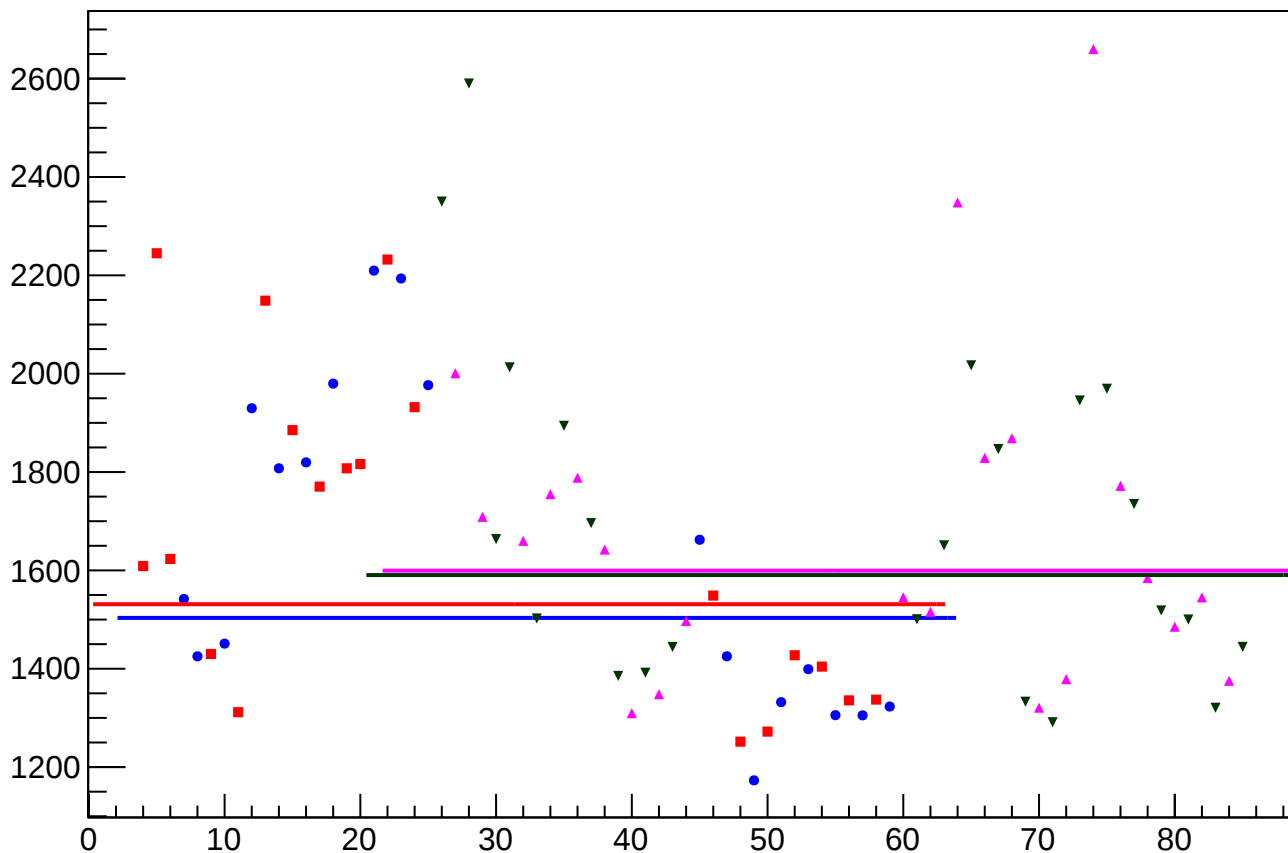
Right Out: -1.182 ± 0.494 χ^2/NDF : 26.5/18

Left In: 0.525 ± 0.464 χ^2/NDF : 26.2/21

-0.426 ± 0.326 χ^2/NDF : 68.5/40

-0.275 ± 0.338 χ^2/NDF : 59.1/40

diff_cav4cX_rms vs slug



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

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

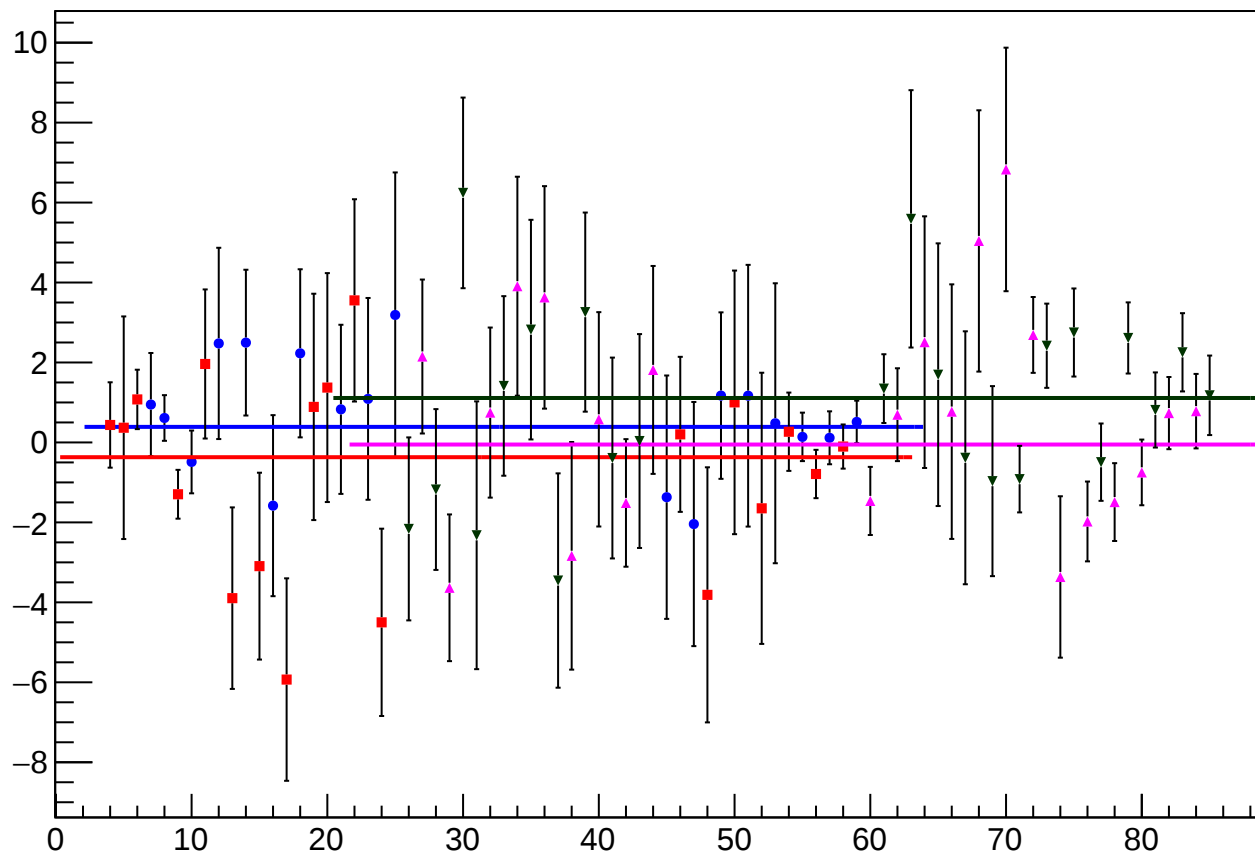
Right Out: 1531.211+/-0.349 χ^2/NDF : 621310.9/18

Left In: 1599.456+/-0.328 χ^2/NDF : 603268.6/21

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

1567.450+/-0.239 χ^2/NDF : 1244876.7/40

diff_cav4cY_mean vs slug



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

Left Out: 1.112 ± 0.287 χ^2/NDF : 33.4/22

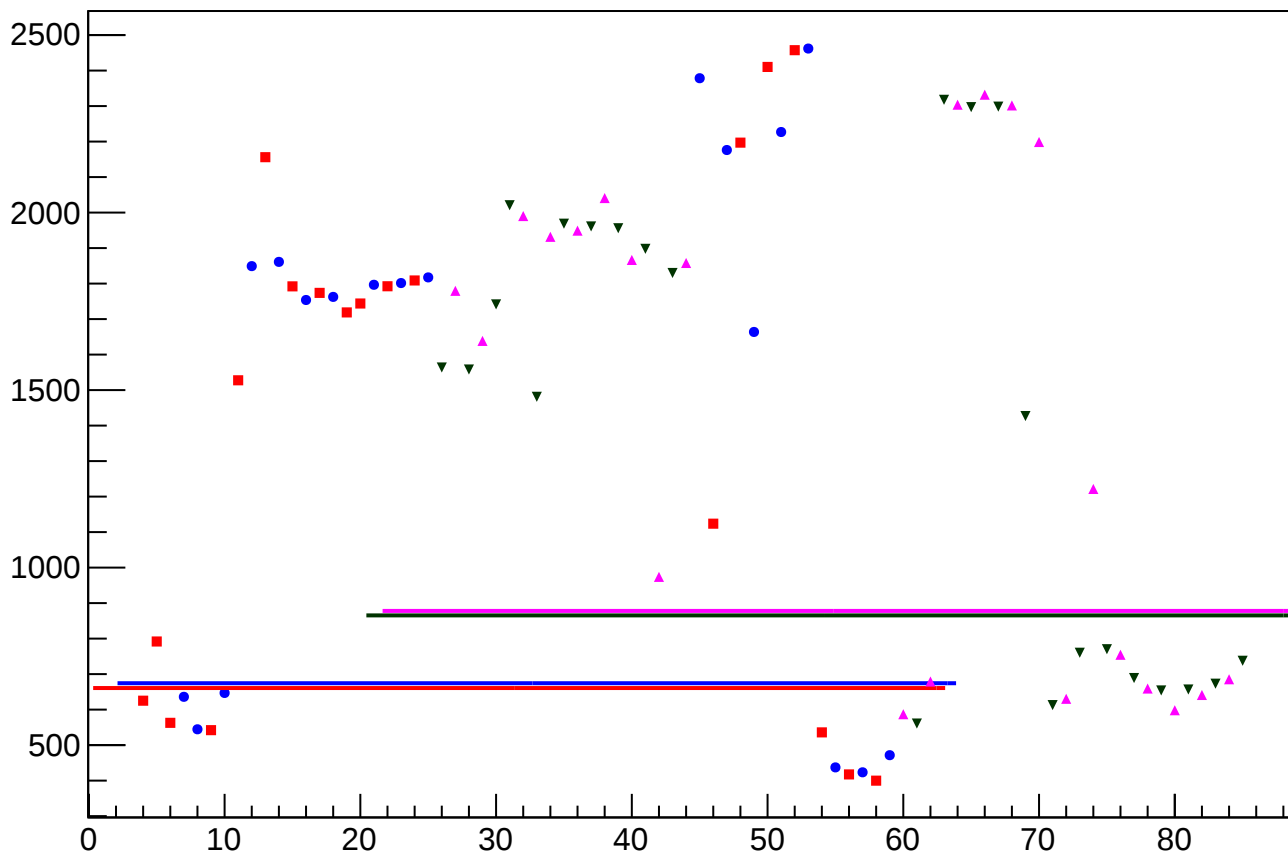
Right Out: -0.369 ± 0.263 χ^2/NDF : 25.7/18

Left In: -0.052 ± 0.293 χ^2/NDF : 42.1/21

0.703 ± 0.189 χ^2/NDF : 44.5/40

-0.228 ± 0.196 χ^2/NDF : 68.4/40

diff_cav4cY_rms vs slug



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

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

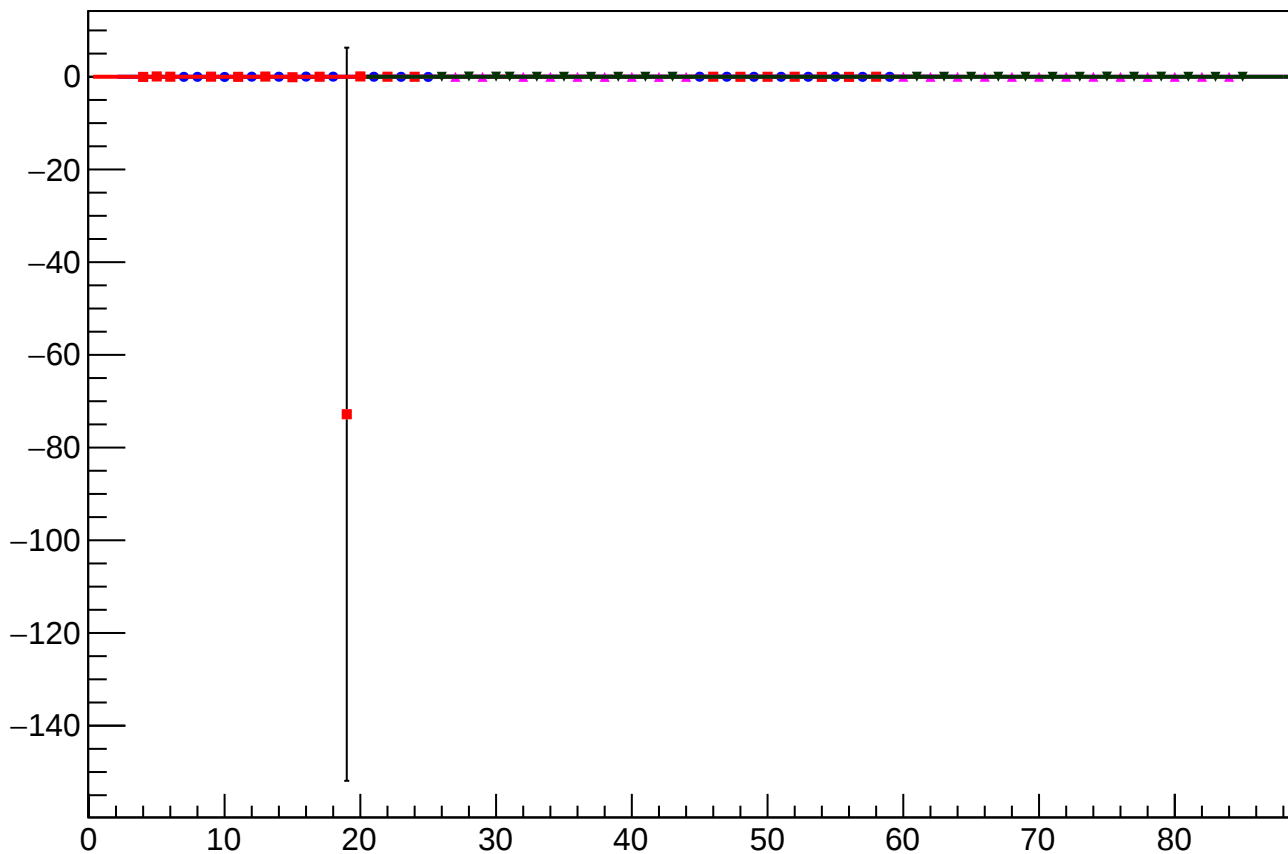
Right Out: 660.761+/-0.186 χ^2/NDF : 6222915.7/18

Left In: 877.987+/-0.207 χ^2/NDF : 5474189.2/21

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

757.514+/-0.138 χ^2/NDF : 12306863.6/40

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 : 18.4/22

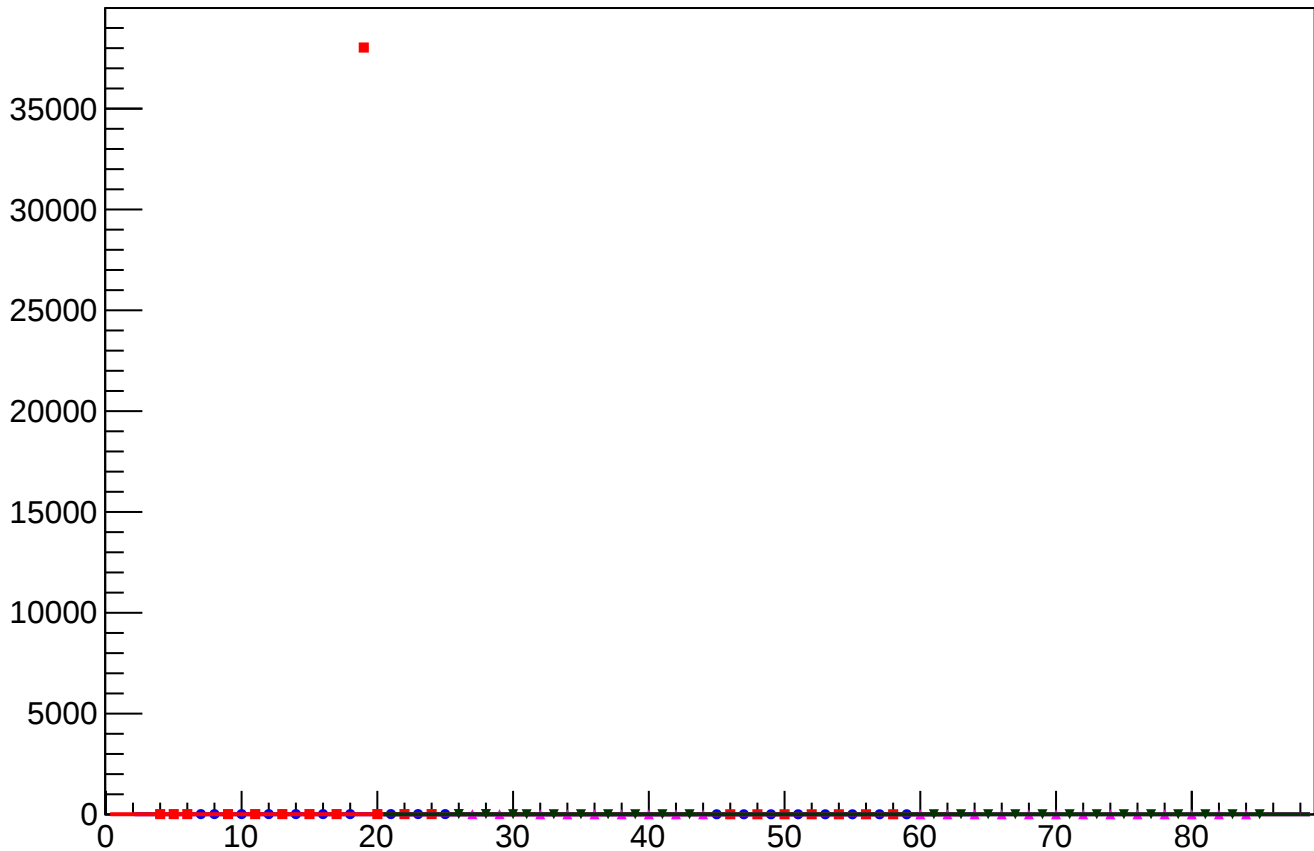
Right Out: 0.002+/-0.004 χ^2/NDF : 20.0/18

Left In: 0.002+/-0.003 χ^2/NDF : 10.4/21

0.001+/-0.002 χ^2/NDF : 30.4/40

0.002+/-0.002 χ^2/NDF : 30.4/40

diff_cav4dX_rms vs slug



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

Left Out: 8.927 $\pm$ 0.002 χ^2 /NDF: 626474.0/22

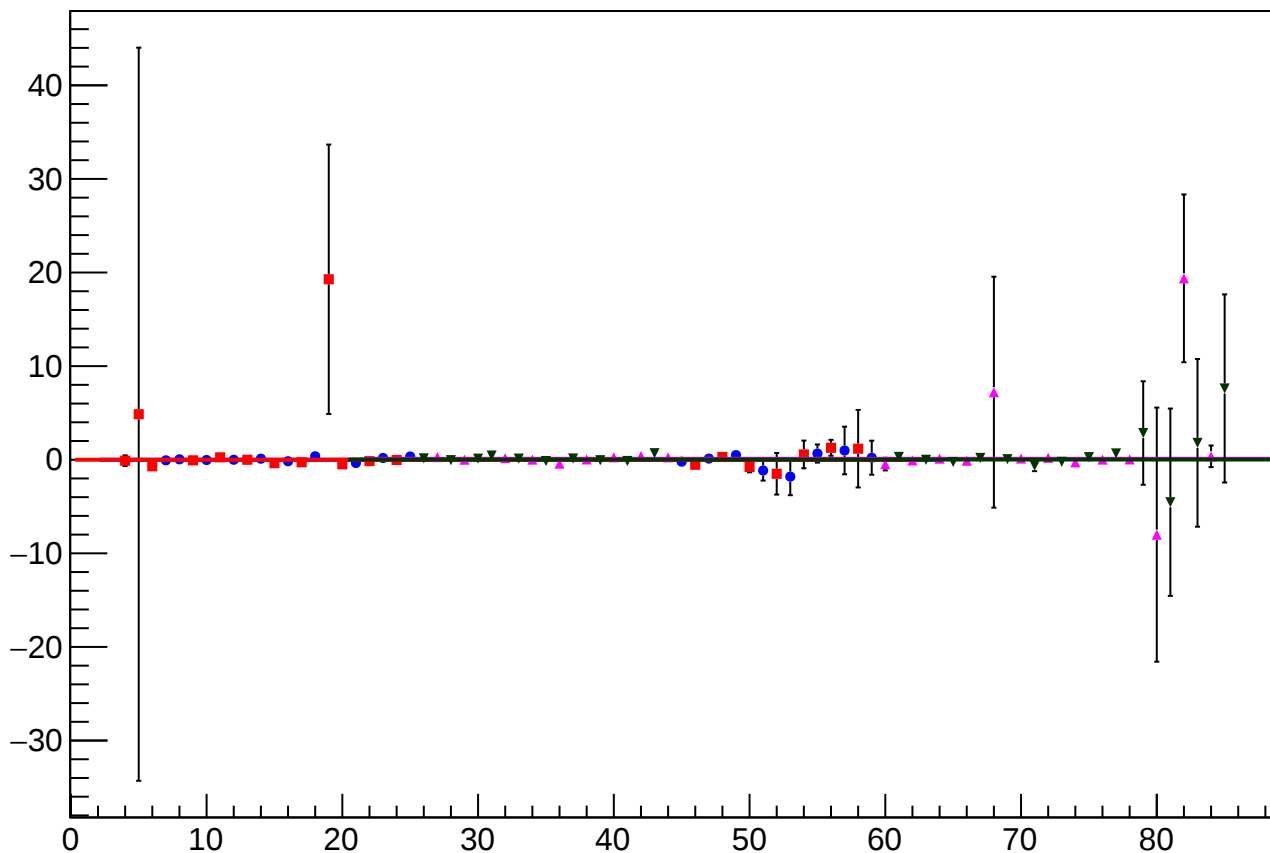
9.530 $\pm$ 0.002 χ^2 /NDF: 2849478.4/40

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

9.595 $\pm$ 0.002 χ^2 /NDF: 3432414.8/40

Left In: 8.944 $\pm$ 0.002 χ^2 /NDF: 793552.5/21

diff_cav4dY_mean vs slug



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

Left Out: 0.022 ± 0.044 χ^2/NDF : 27.0/22

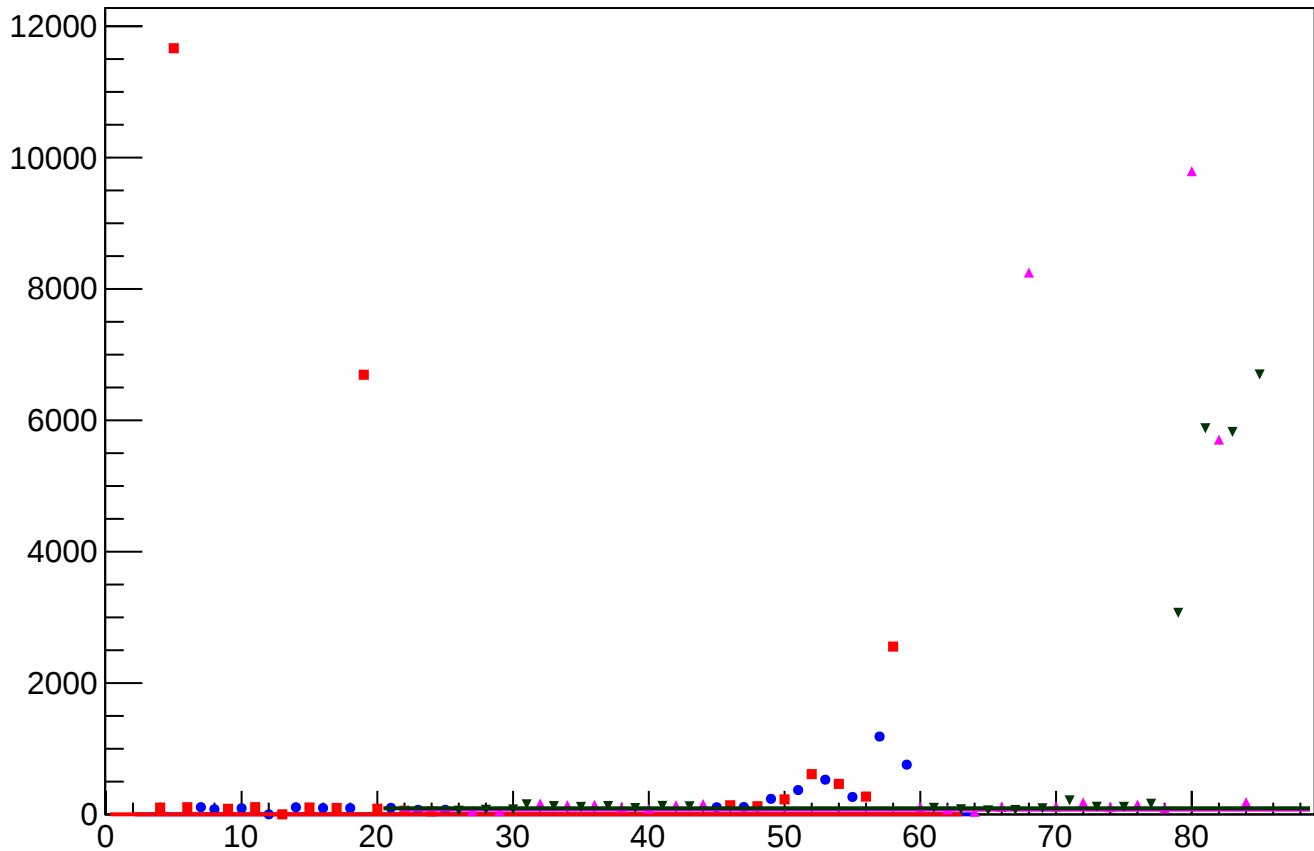
Right Out: -0.003 ± 0.003 χ^2/NDF : 21.1/18

Left In: 0.099 ± 0.037 χ^2/NDF : 20.3/21

-0.003 ± 0.003 χ^2/NDF : 48.2/40

-0.002 ± 0.003 χ^2/NDF : 48.9/40

diff_cav4dY_rms vs slug



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

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

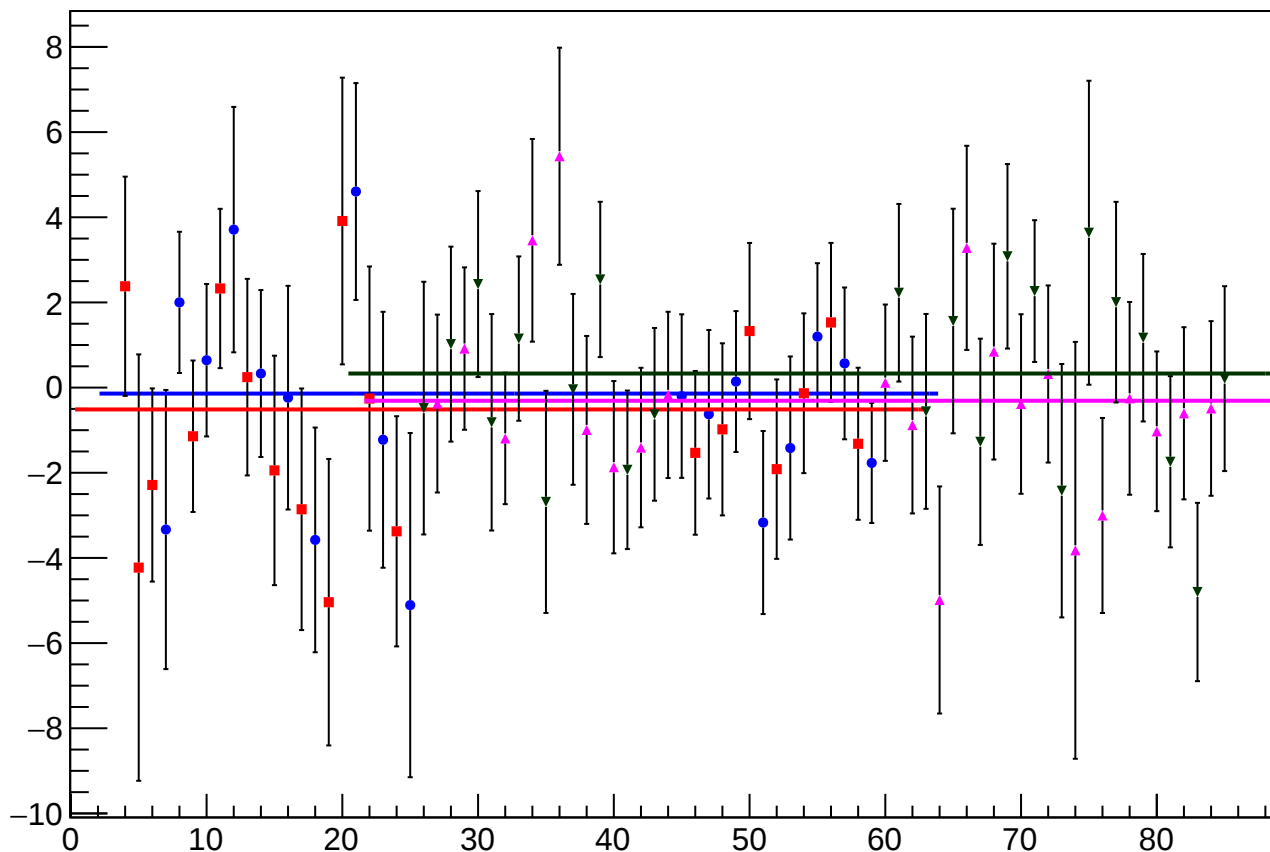
Right Out: 2.101+/-0.002 χ^2/NDF : 6716516.3/18

Left In: 72.611+/-0.026 χ^2/NDF : 4892890.2/21

2.664+/-0.002 χ^2/NDF : 21595081.8/40

2.568+/-0.002 χ^2/NDF : 18821047.7/40

diff_bpm4aX_mean vs slug



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

Left Out: 0.331 ± 0.459 $\chi^2/\text{NDF}: 20.1/22$

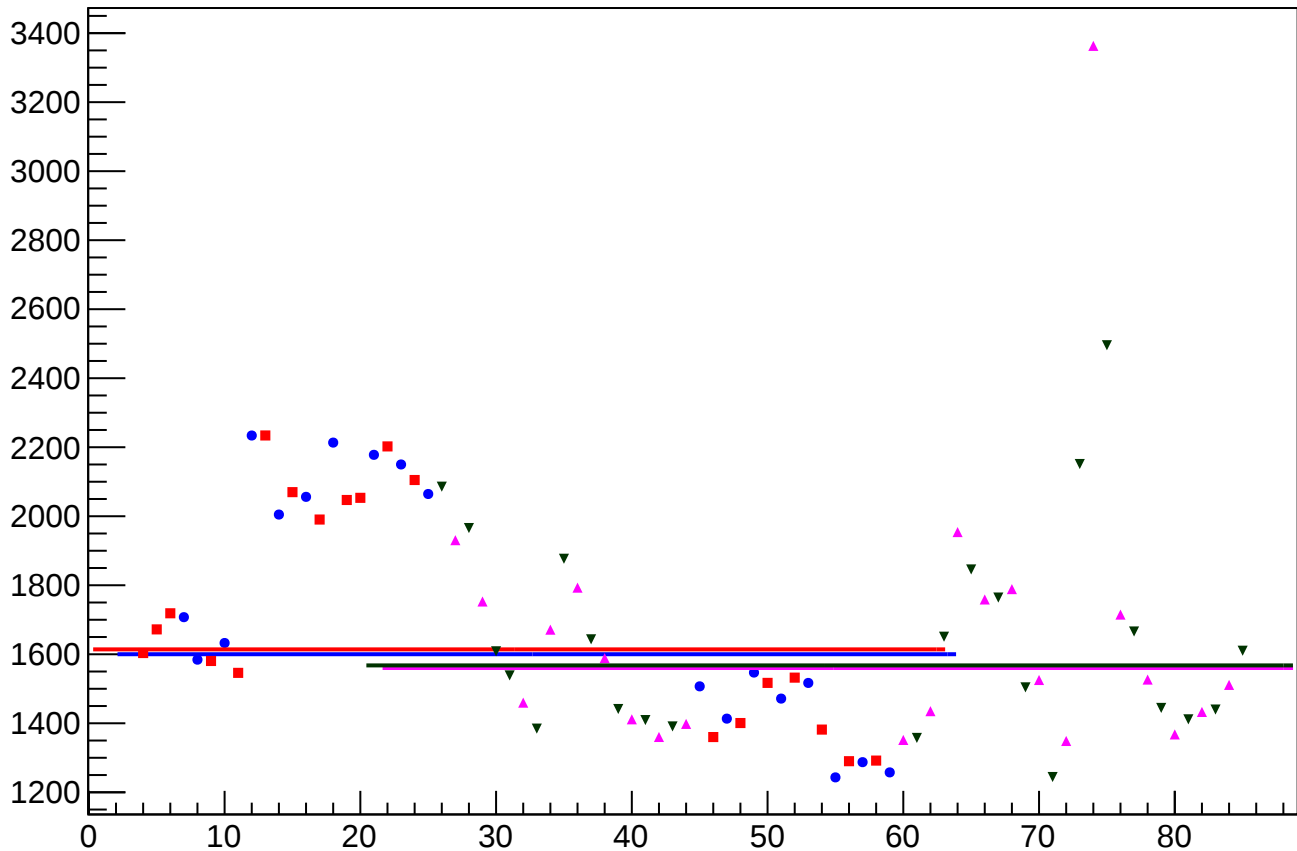
Right Out: -0.513 ± 0.519 $\chi^2/\text{NDF}: 13.6/18$

Left In: -0.309 ± 0.452 $\chi^2/\text{NDF}: 17.2/21$

0.108 ± 0.334 $\chi^2/\text{NDF}: 36.6/40$

-0.397 ± 0.341 $\chi^2/\text{NDF}: 30.9/40$

diff_bpm4aX_rms vs slug



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

Left Out: 1567.725 $\pm$ 0.325 χ^2 /NDF: 589451.5/22

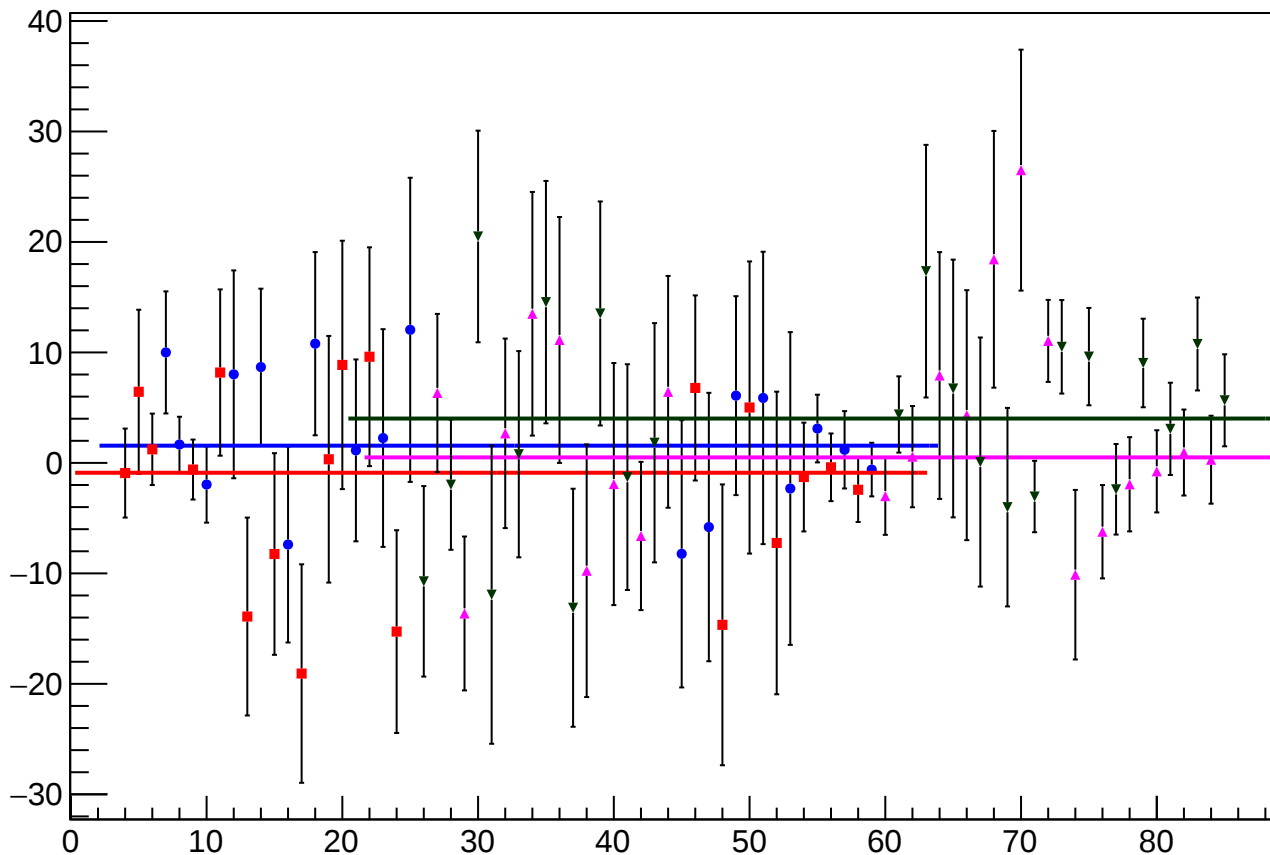
Right Out: 1614.182 $\pm$ 0.367 χ^2 /NDF: 670373.5/18

Left In: 1560.204 $\pm$ 0.319 χ^2 /NDF: 599570.0/21

1583.017 $\pm$ 0.236 χ^2 /NDF: 1443904.5/40

1583.469 $\pm$ 0.241 χ^2 /NDF: 1282254.0/40

diff_bpm4aY_mean vs slug



Right In: 1.560 ± 1.148 $\chi^2/\text{NDF}: 10.2/17$

Left Out: 4.016 ± 1.170 $\chi^2/\text{NDF}: 31.0/22$

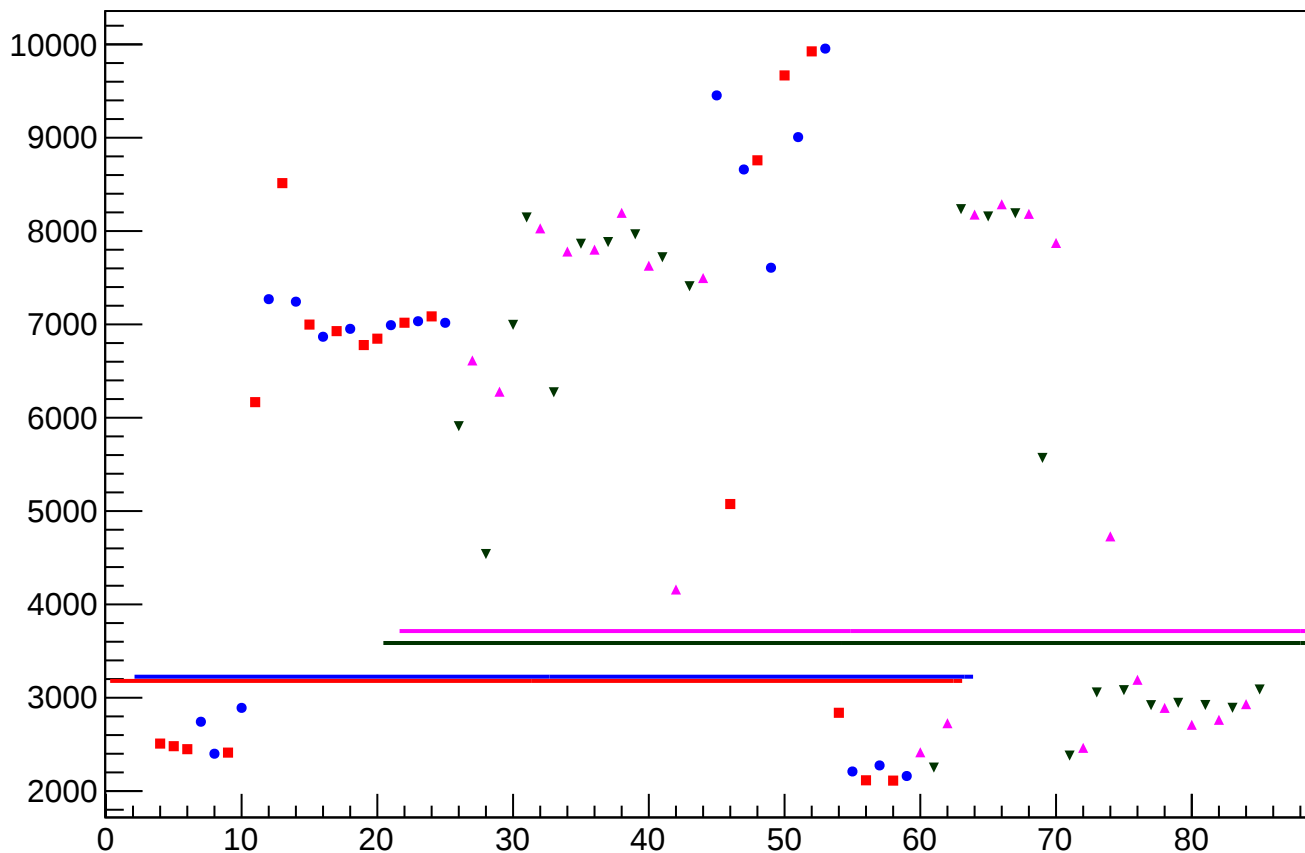
2.765 ± 0.820 $\chi^2/\text{NDF}: 43.4/40$

Right Out: -0.892 ± 1.197 $\chi^2/\text{NDF}: 16.1/18$

-0.206 ± 0.852 $\chi^2/\text{NDF}: 48.8/40$

Left In: 0.499 ± 1.213 $\chi^2/\text{NDF}: 32.0/21$

diff_bpm4aY_rms vs slug



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

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

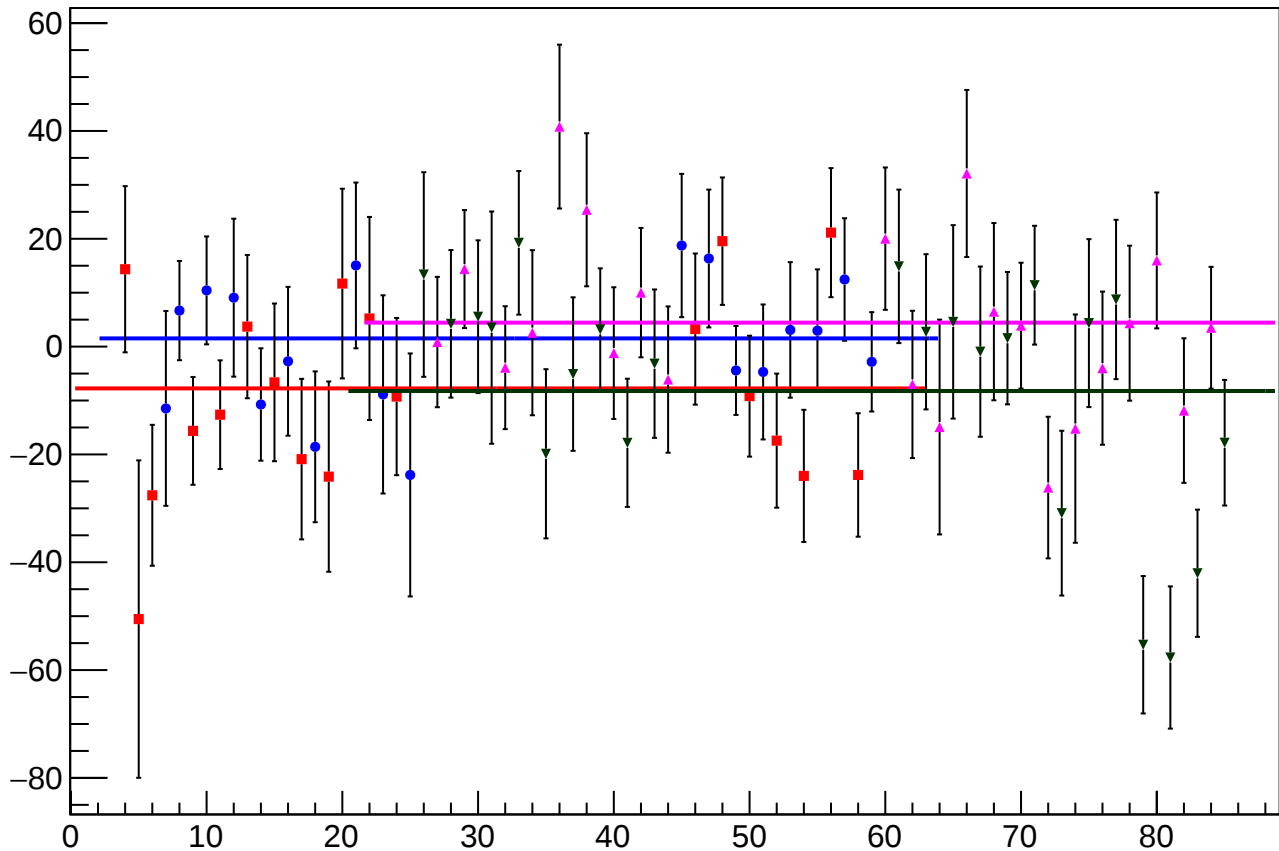
Right Out: 3180.260+/-0.846 χ^2/NDF : 5053490.5/18

Left In: 3714.391+/-0.858 χ^2/NDF : 4787417.7/21

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

3443.738+/-0.602 χ^2/NDF : 10037451.9/40

diff_bpm4eX_mean vs slug



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

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

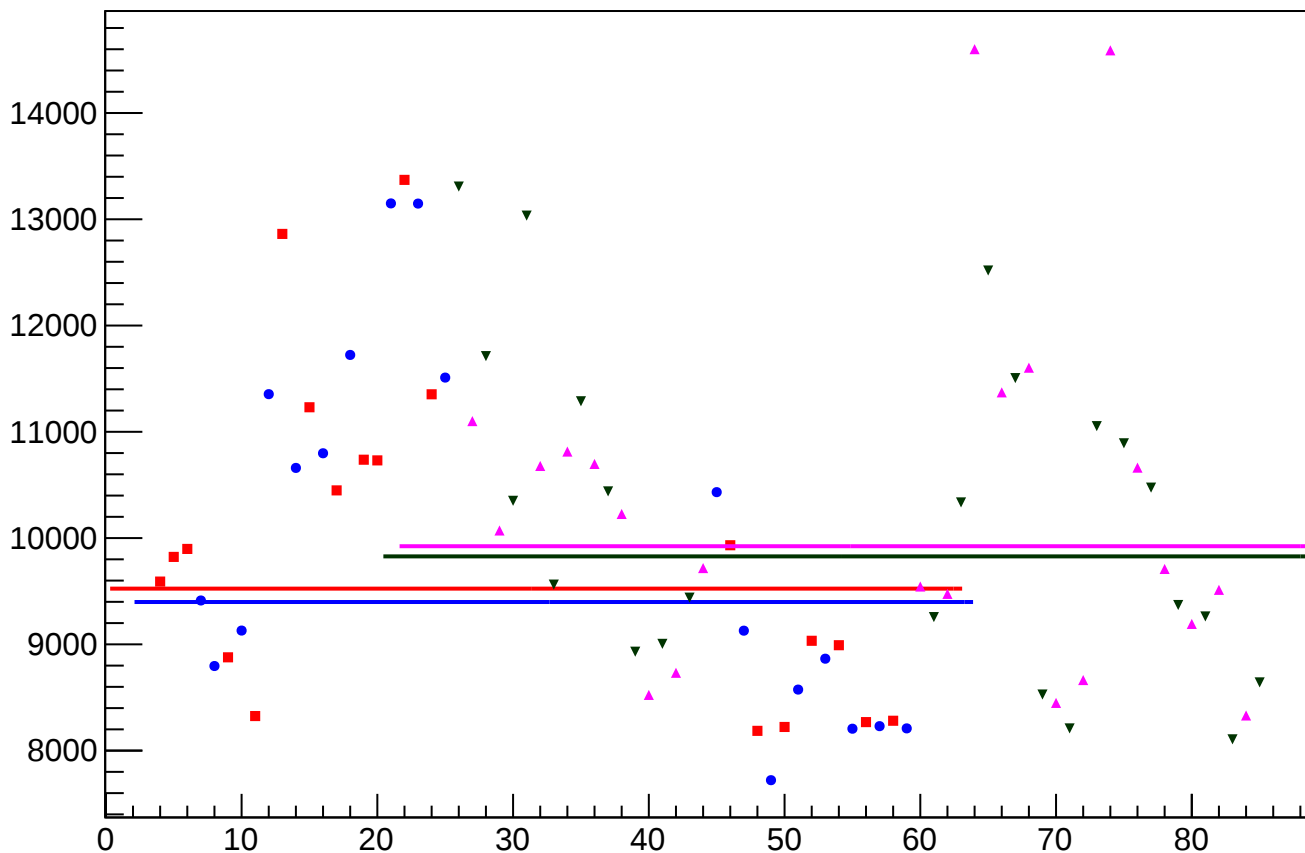
Right Out: -7.752 ± 3.046 $\chi^2/\text{NDF}: 27.5/18$

Left In: 4.444 ± 2.865 $\chi^2/\text{NDF}: 25.6/21$

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

-1.281 ± 2.087 $\chi^2/\text{NDF}: 61.7/40$

diff_bpm4eX_rms vs slug



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

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

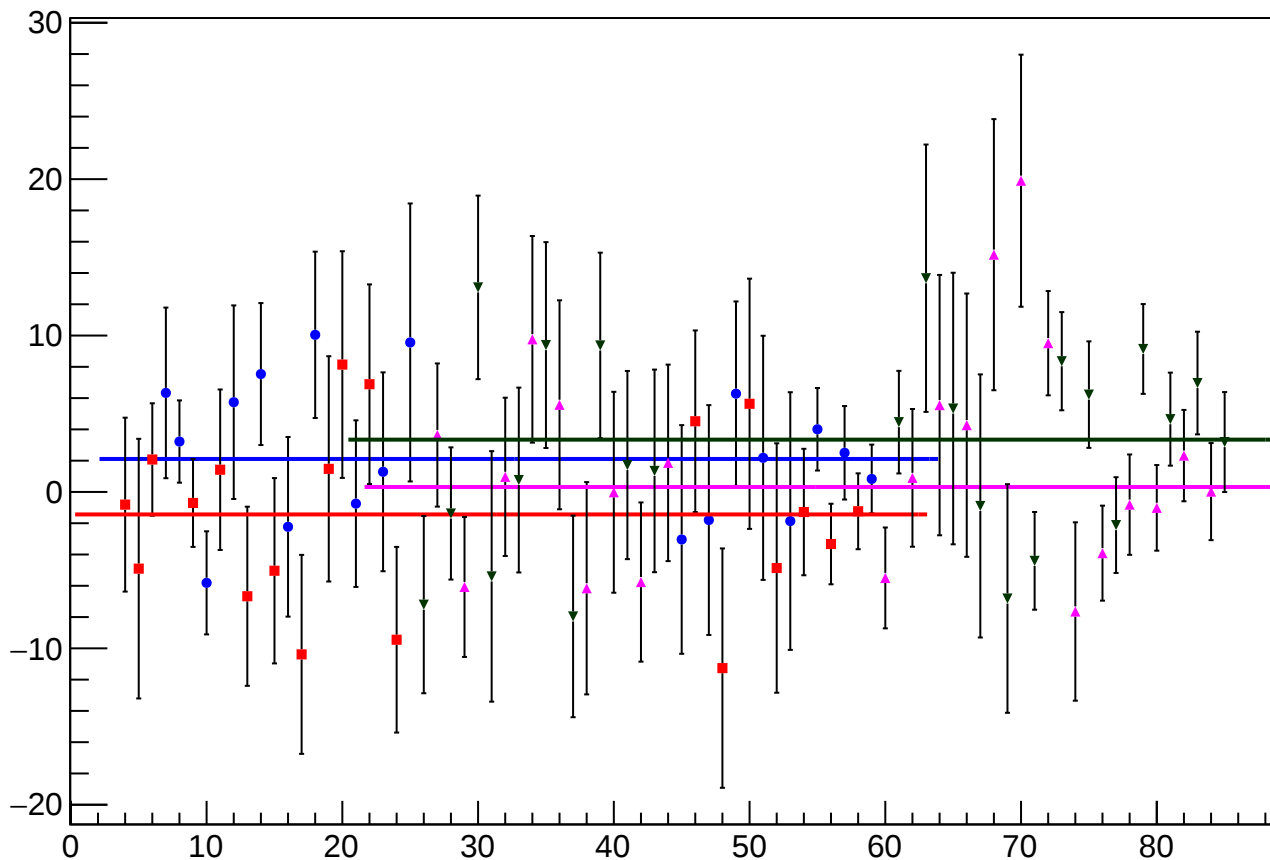
Right Out: 9524.317 $\pm$ 2.154 χ^2 /NDF: 440161.2/18

Left In: 9923.389 $\pm$ 2.026 χ^2 /NDF:441508.9/21

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

9736.065 $\pm$ 1.475 χ^2 /NDF: 899890.1/40

diff_bpm4eY_mean vs slug



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

Left Out: 3.345 ± 0.890 $\chi^2/\text{NDF}: 35.9/22$

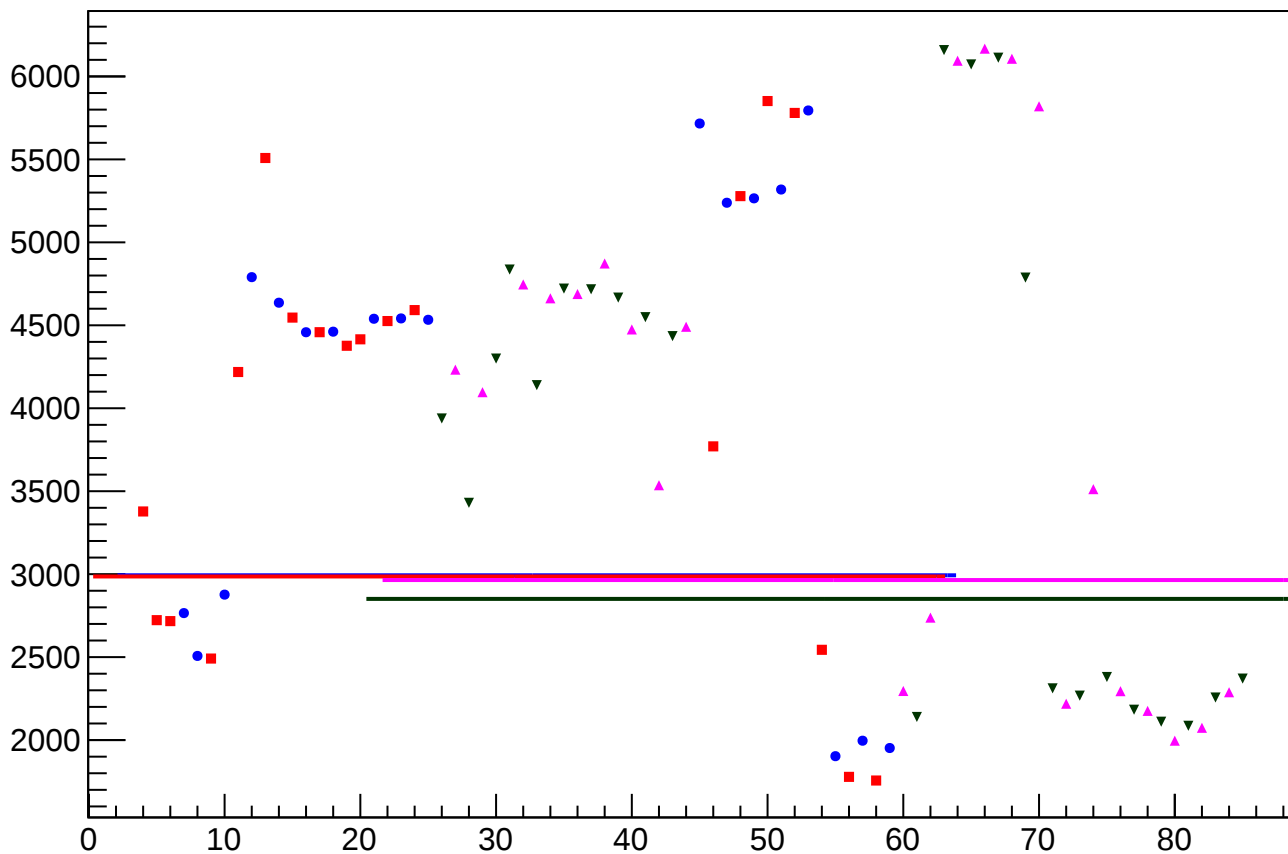
Right Out: -1.438 ± 1.040 $\chi^2/\text{NDF}: 14.4/18$

Left In: 0.315 ± 0.922 $\chi^2/\text{NDF}: 32.7/21$

2.786 ± 0.659 $\chi^2/\text{NDF}: 51.3/40$

-0.456 ± 0.690 $\chi^2/\text{NDF}: 48.7/40$

diff_bpm4eY_rms vs slug



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

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

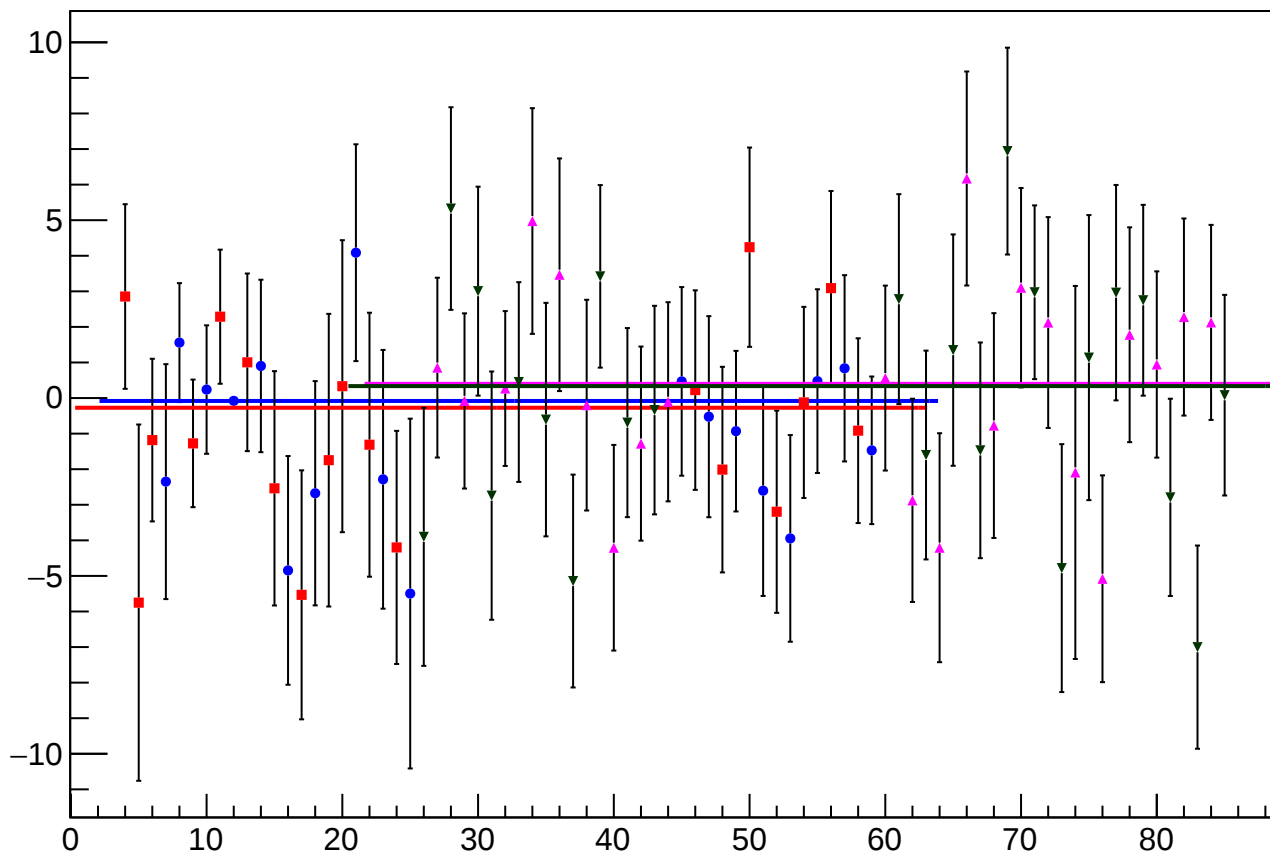
2915.316 $\pm$ 0.466 χ^2 /NDF: 6336064.5/40

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

2974.029 $\pm$ 0.488 χ^2 /NDF: 6197996.1/40

Left In: 2964.544 $\pm$ 0.652 χ^2 /NDF:3251880.1/21

diff_bpm4acX_mean vs slug



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

Left Out: 0.336 ± 0.617 χ^2/NDF : 30.7/22

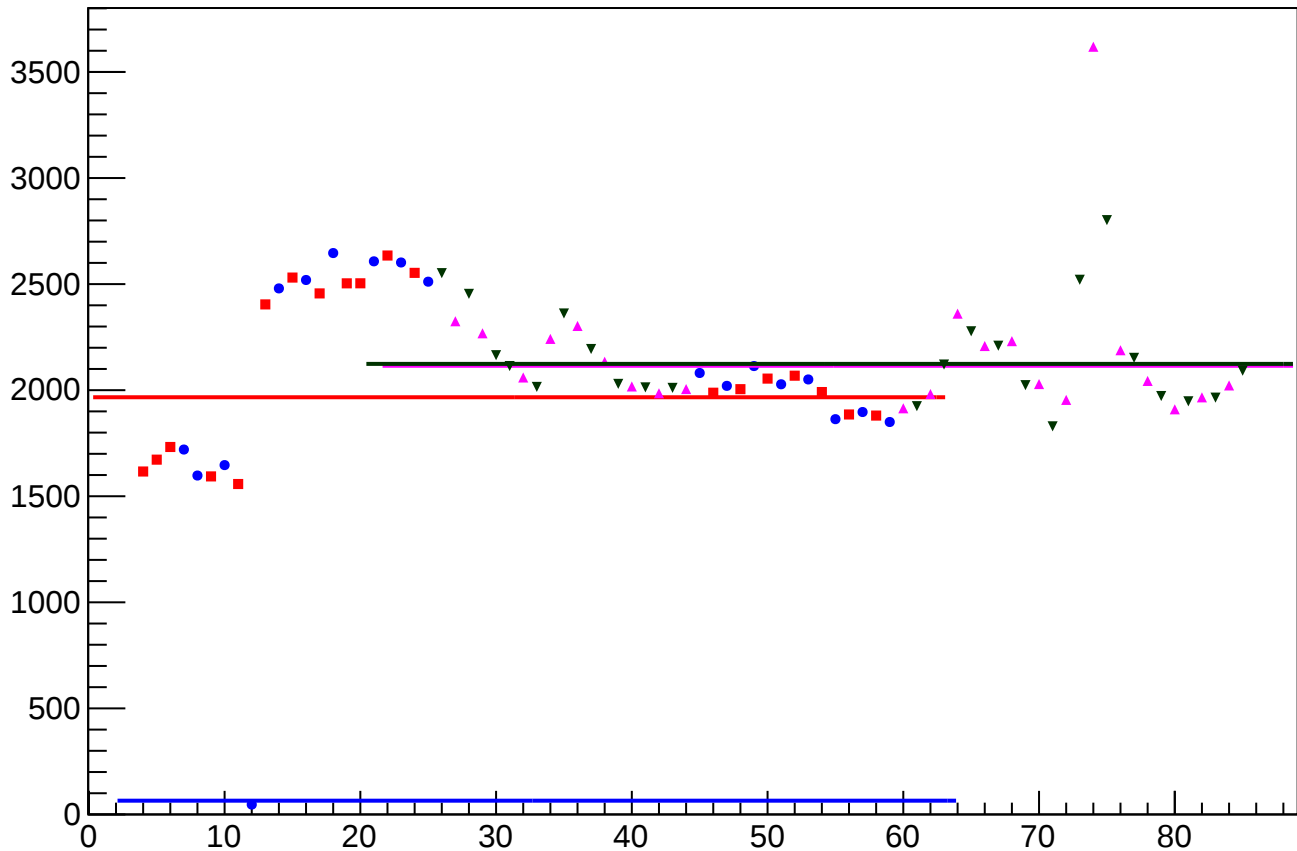
Right Out: -0.272 ± 0.631 χ^2/NDF : 15.3/18

Left In: 0.400 ± 0.607 χ^2/NDF : 19.4/21

-0.078 ± 0.060 χ^2/NDF : 42.4/40

0.077 ± 0.438 χ^2/NDF : 35.2/40

diff_bpm4acX_rms vs slug



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

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

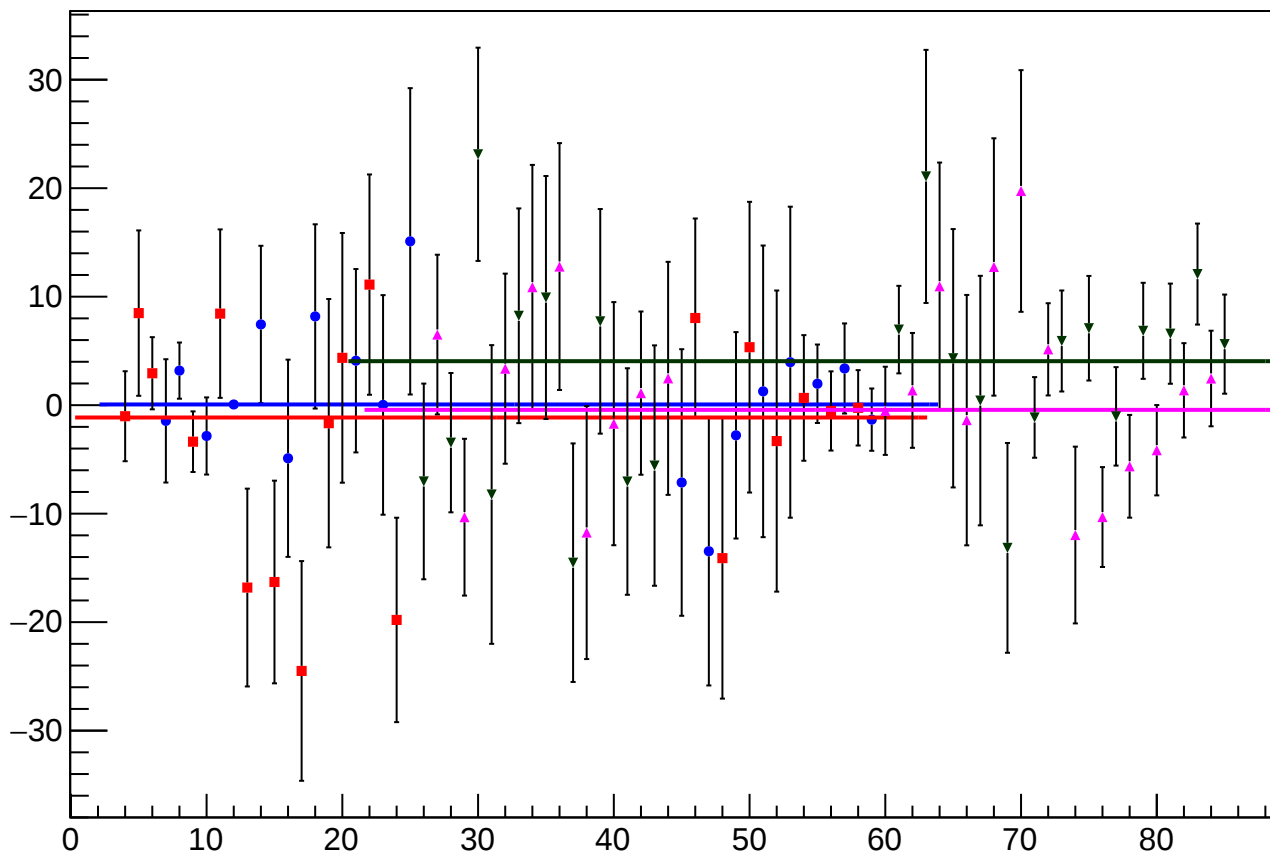
Right Out: 1966.634+/-0.446 χ^2/NDF : 610680.3/18

Left In: 2115.017+/-0.429 χ^2/NDF : 270109.4/21

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

2043.718+/-0.309 χ^2/NDF : 938204.2/40

diff_bpm4acY_mean vs slug



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

Left Out: 4.055 ± 1.289 χ^2/NDF : 26.2/22

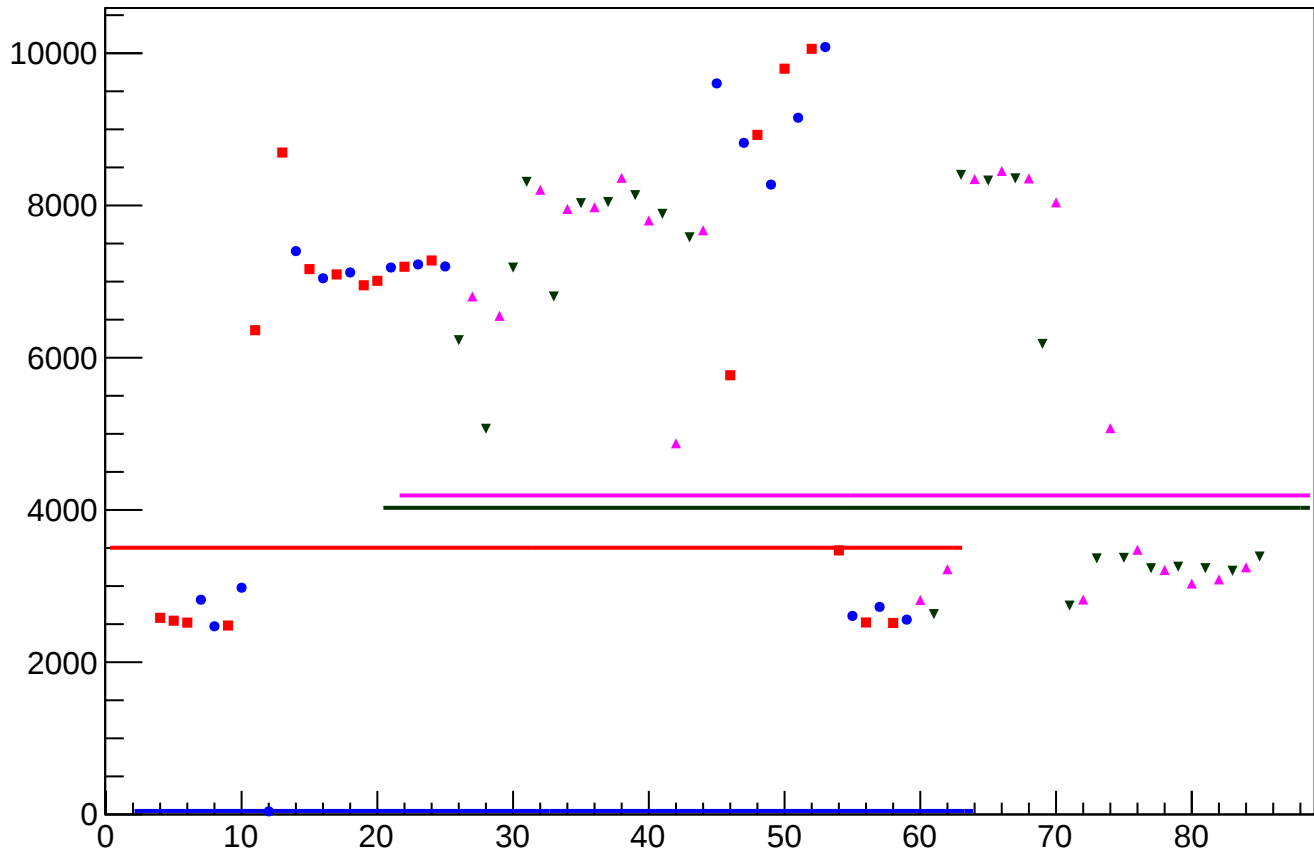
Right Out: -1.137 ± 1.295 χ^2/NDF : 24.2/18

Left In: -0.433 ± 1.338 χ^2/NDF : 23.0/21

0.072 ± 0.052 χ^2/NDF : 44.5/40

-0.796 ± 0.931 χ^2/NDF : 47.3/40

diff_bpm4acY_rms vs slug



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

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

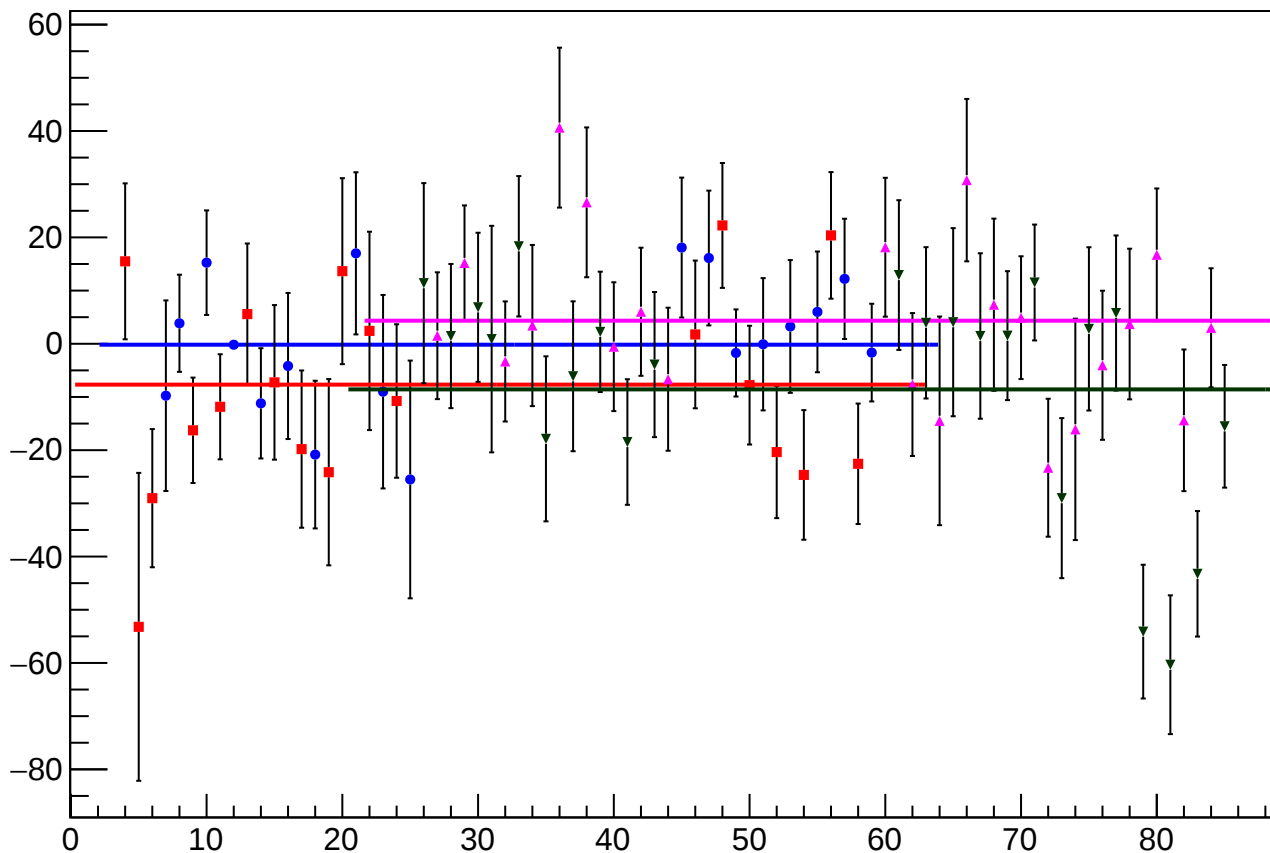
52.743+/-0.037 χ^2 /NDF: 43033933.4/40

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

3836.078+/-0.658 χ^2 /NDF: 9022328.5/40

Left In: 4190.584+/-0.946 χ^2 /NDF:4080487.9/21

diff_bpm4ecX_mean vs slug



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

Left Out: -8.576 ± 2.843 χ^2/NDF : 58.7/22

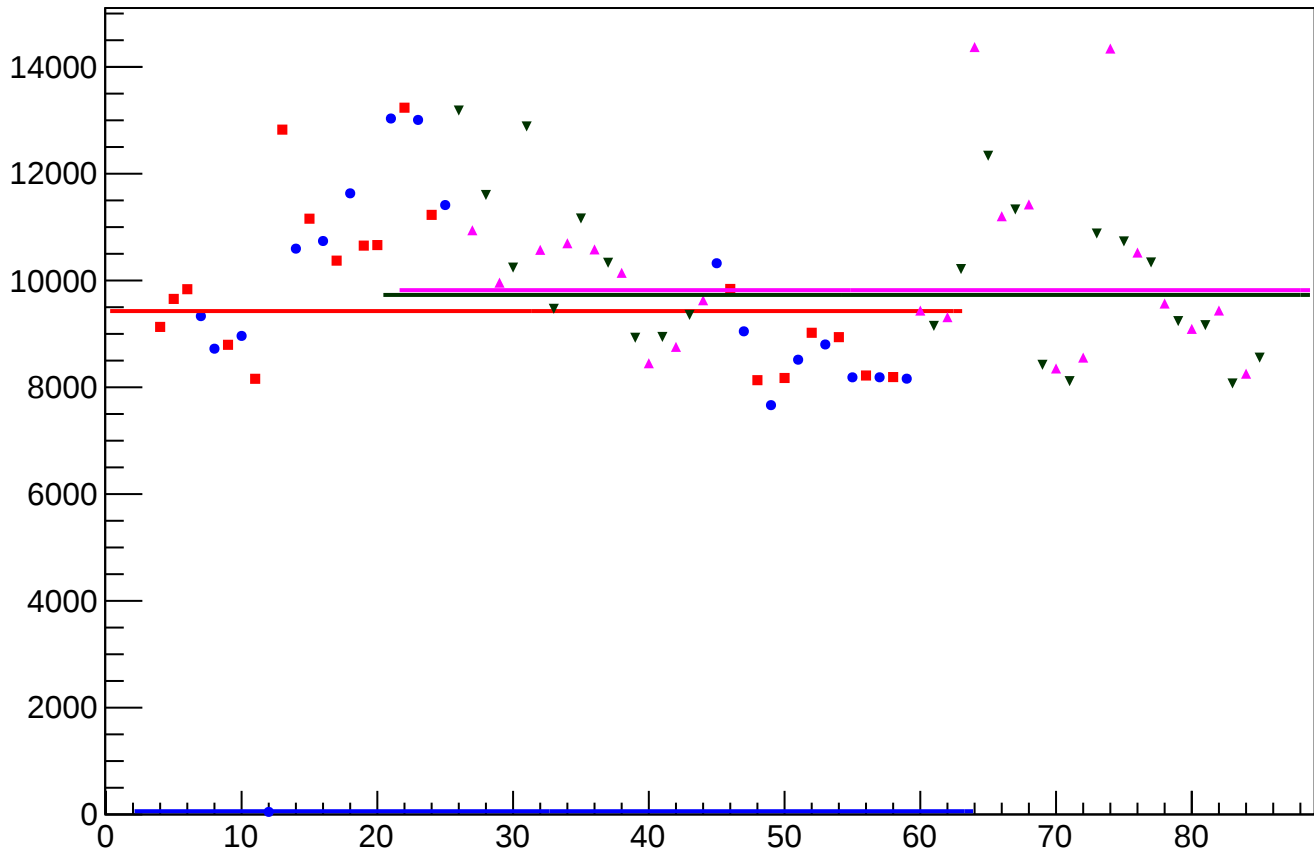
Right Out: -7.679 ± 3.015 χ^2/NDF : 30.2/18

Left In: 4.338 ± 2.834 χ^2/NDF : 25.4/21

-0.186 ± 0.106 χ^2/NDF : 81.8/40

-1.298 ± 2.065 χ^2/NDF : 64.1/40

diff_bpm4ecX_rms vs slug



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

Left Out: 9729.864 $\pm$ 2.010 χ^2 /NDF: 422505.1/22

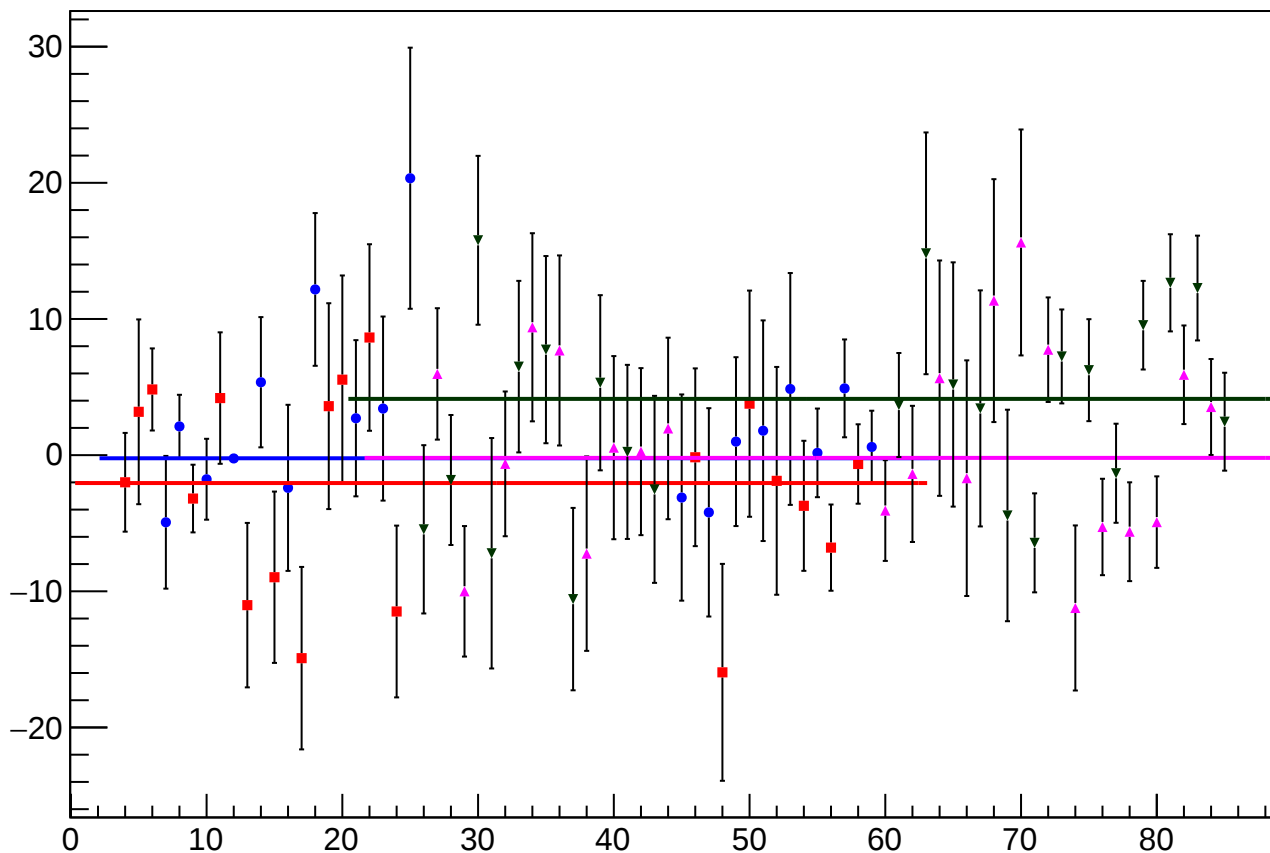
Right Out: 9427.549 $\pm$ 2.132 χ^2 /NDF: 447350.4/18

Left In: 9819.269 $\pm$ 2.004 χ^2 /NDF: 428935.4/21

74.281 $\pm$ 0.075 χ^2 /NDF: 44643911.6/40

9635.561 $\pm$ 1.460 χ^2 /NDF: 894207.7/40

diff_bpm4ecY_mean vs slug



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

Left Out: 4.132 ± 1.002 χ^2/NDF : 43.6/22

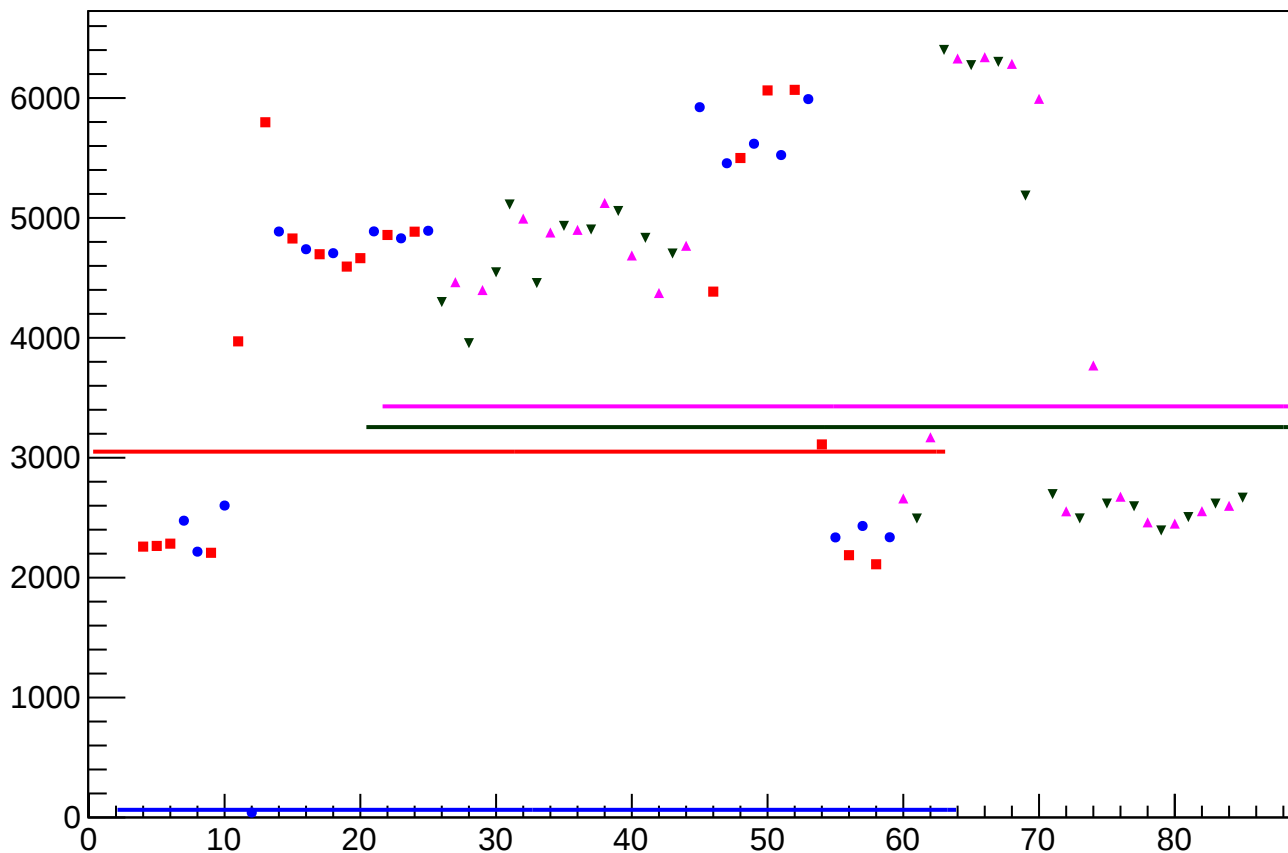
Right Out: -2.049 ± 1.055 χ^2/NDF : 27.2/18

Left In: -0.201 ± 1.044 χ^2/NDF : 34.9/21

-0.195 ± 0.089 χ^2/NDF : 79.2/40

-1.115 ± 0.742 χ^2/NDF : 63.6/40

diff_bpm4ecY_rms vs slug



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

Left Out: 3255.599 $\pm$ 0.708 χ^2 /NDF: 2497316.3/22

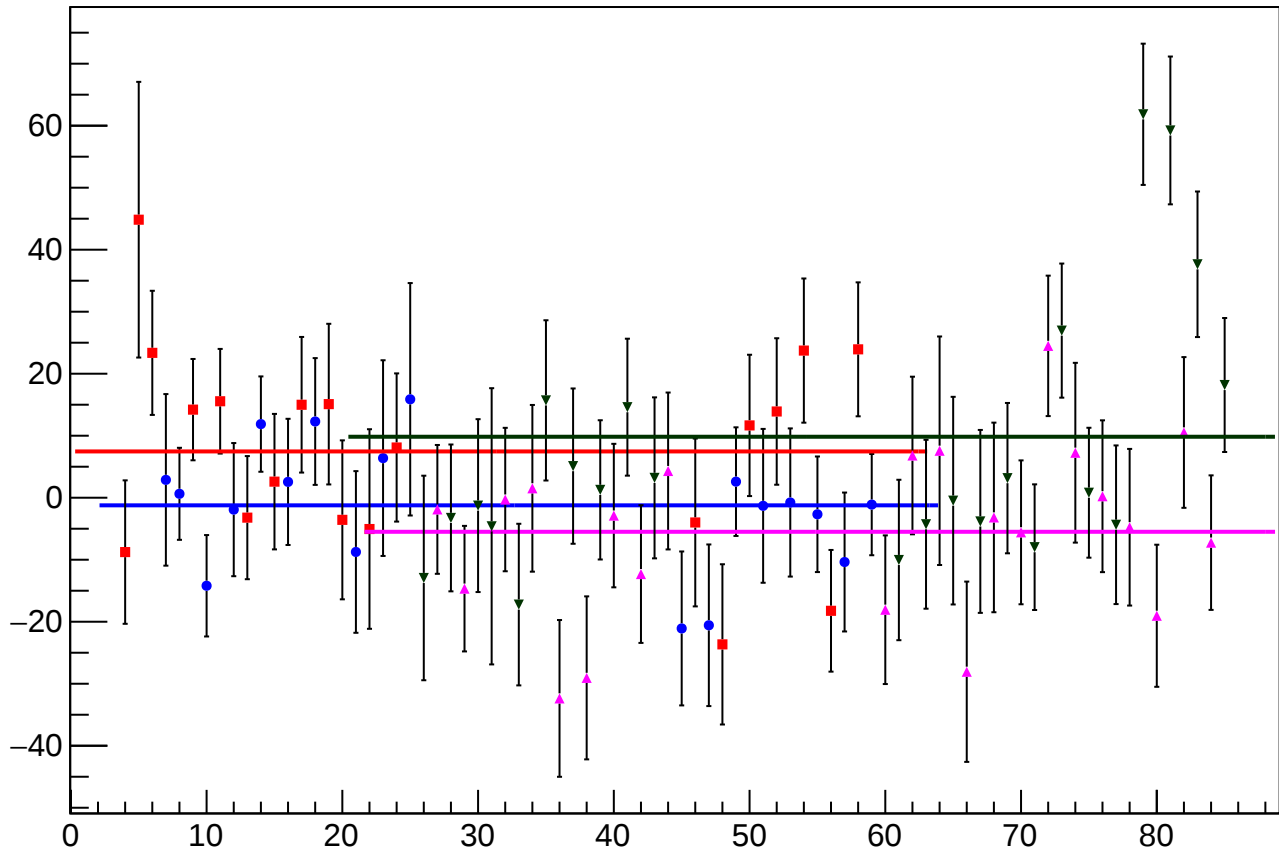
Right Out: 3050.872 $\pm$ 0.746 χ^2 /NDF: 2882138.2/18

Left In: 3428.419 $\pm$ 0.738 χ^2 /NDF: 2515099.9/21

89.164 $\pm$ 0.063 χ^2 /NDF: 42905647.0/40

3241.669 $\pm$ 0.525 χ^2 /NDF: 5526576.0/40

diff_bpm1X_mean vs slug



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

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

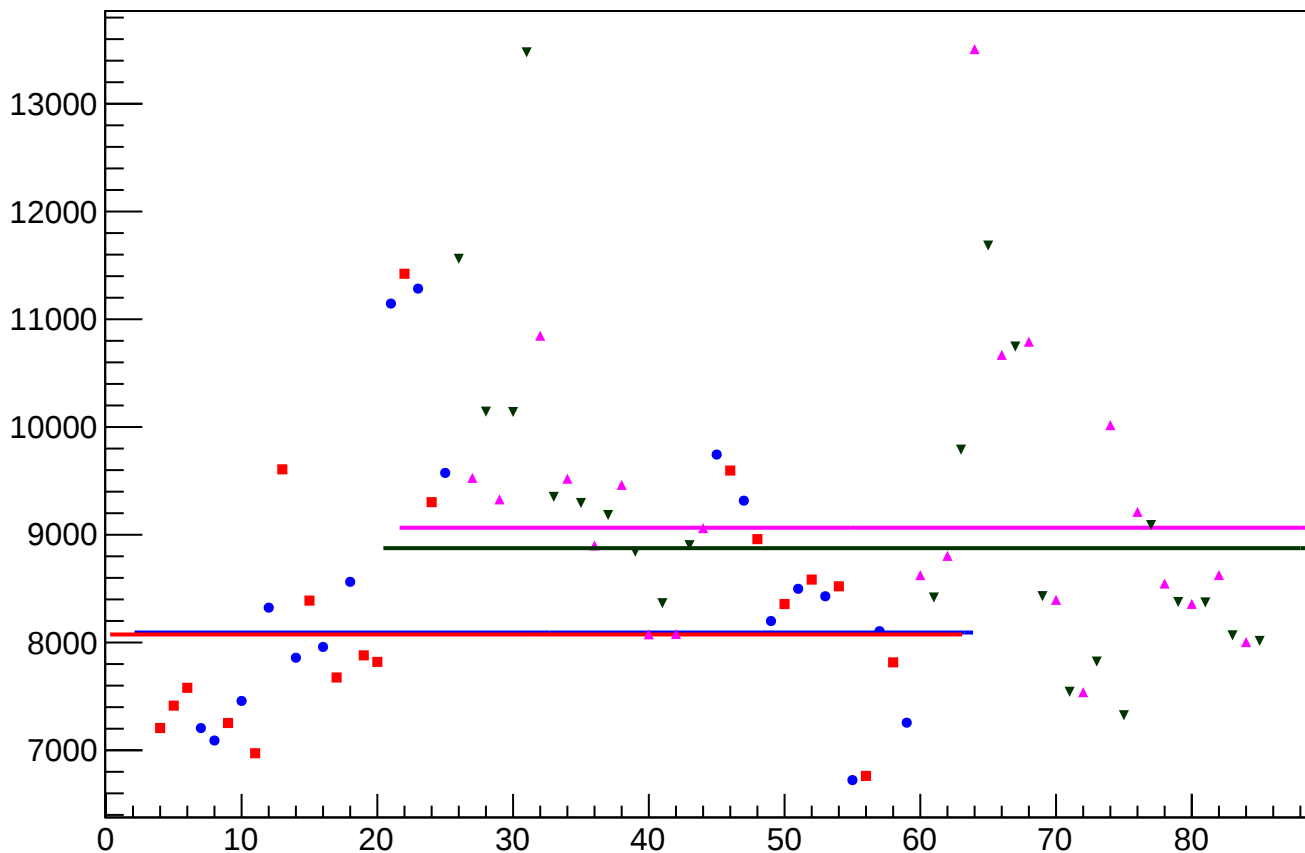
Right Out: 7.465 ± 2.574 $\chi^2/\text{NDF}: 30.5/18$

Left In: -5.494 ± 2.610 $\chi^2/\text{NDF}: 26.3/21$

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

1.076 ± 1.833 $\chi^2/\text{NDF}: 69.3/40$

diff_bpm1X_rms vs slug



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

Left Out: 8875.707 $\pm$ 1.834 χ^2 /NDF:418200.8/22

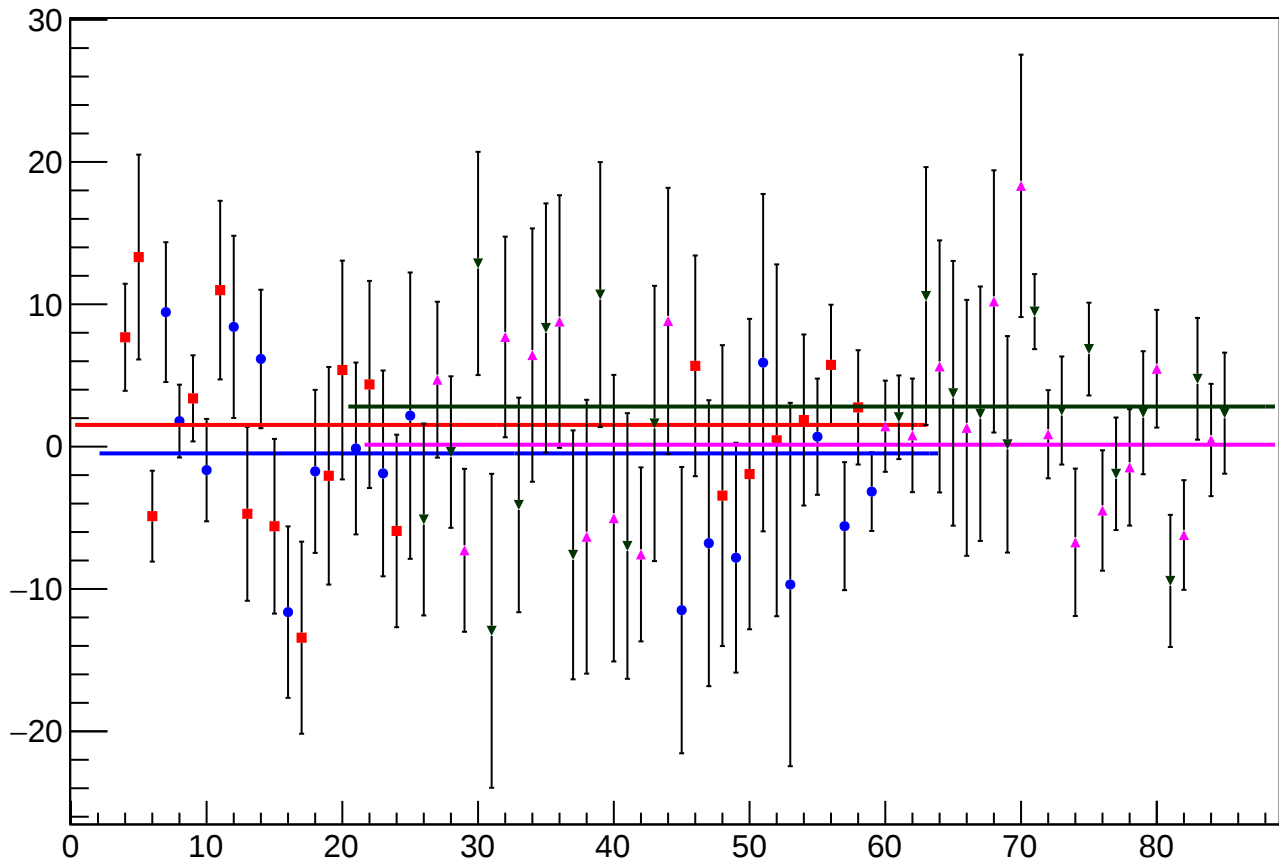
Right Out: 8074.654 $\pm$ 1.820 χ^2 /NDF: 312658.9/18

Left In: 9065.240 $\pm$ 1.846 χ^2 /NDF:341890.4/21

8458.934 $\pm$ 1.254 χ^2 /NDF: 904587.8/40

8563.045 $\pm$ 1.296 χ^2 /NDF: 800608.5/40

diff_bpm1Y_mean vs slug



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

Left Out: 2.816 ± 1.048 χ^2/NDF : 27.4/22

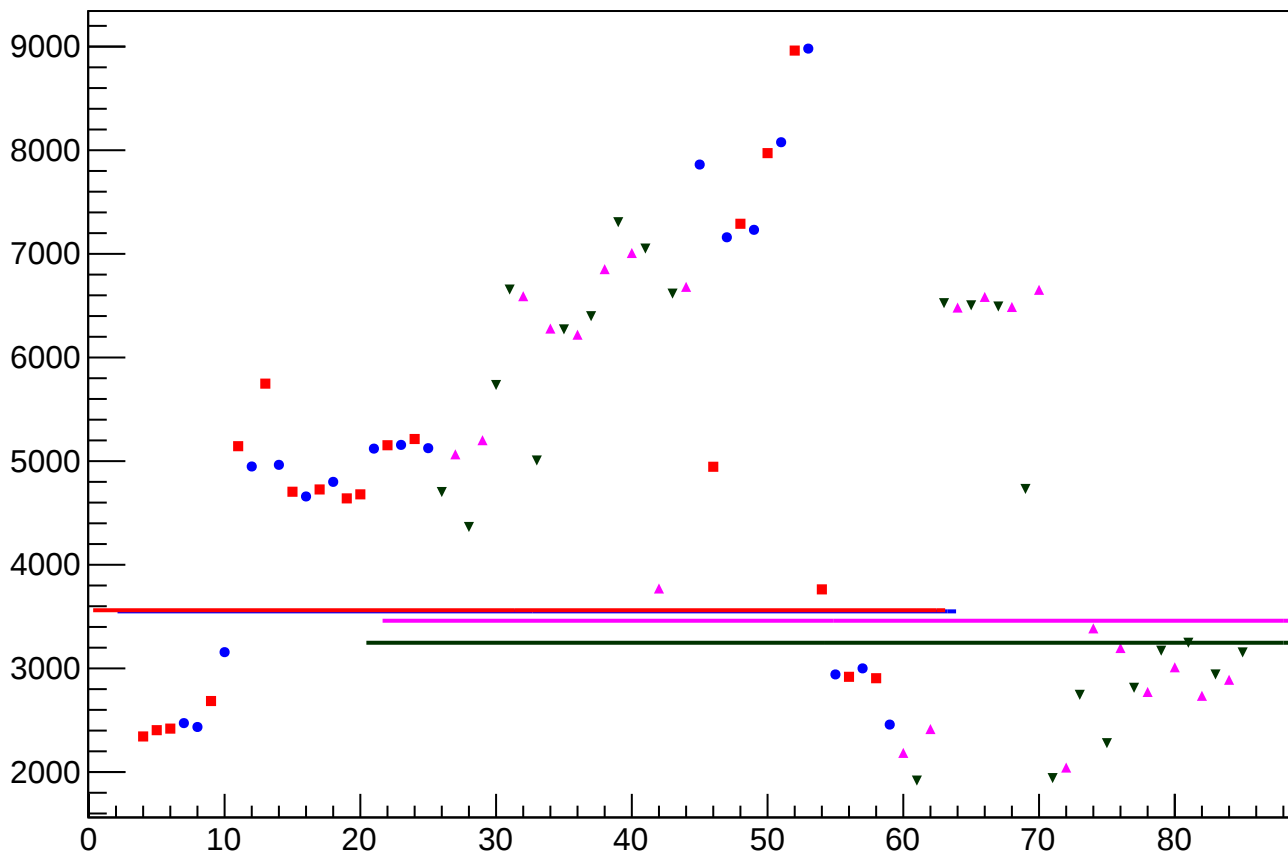
Right Out: 1.525 ± 1.232 χ^2/NDF : 22.9/18

Left In: 0.134 ± 1.101 χ^2/NDF : 21.4/21

1.338 ± 0.778 χ^2/NDF : 49.8/40

0.752 ± 0.821 χ^2/NDF : 45.0/40

diff_bpm1Y_rms vs slug



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

Left Out: 3247.564+/-0.741 χ^2/NDF : 4130539.1/22

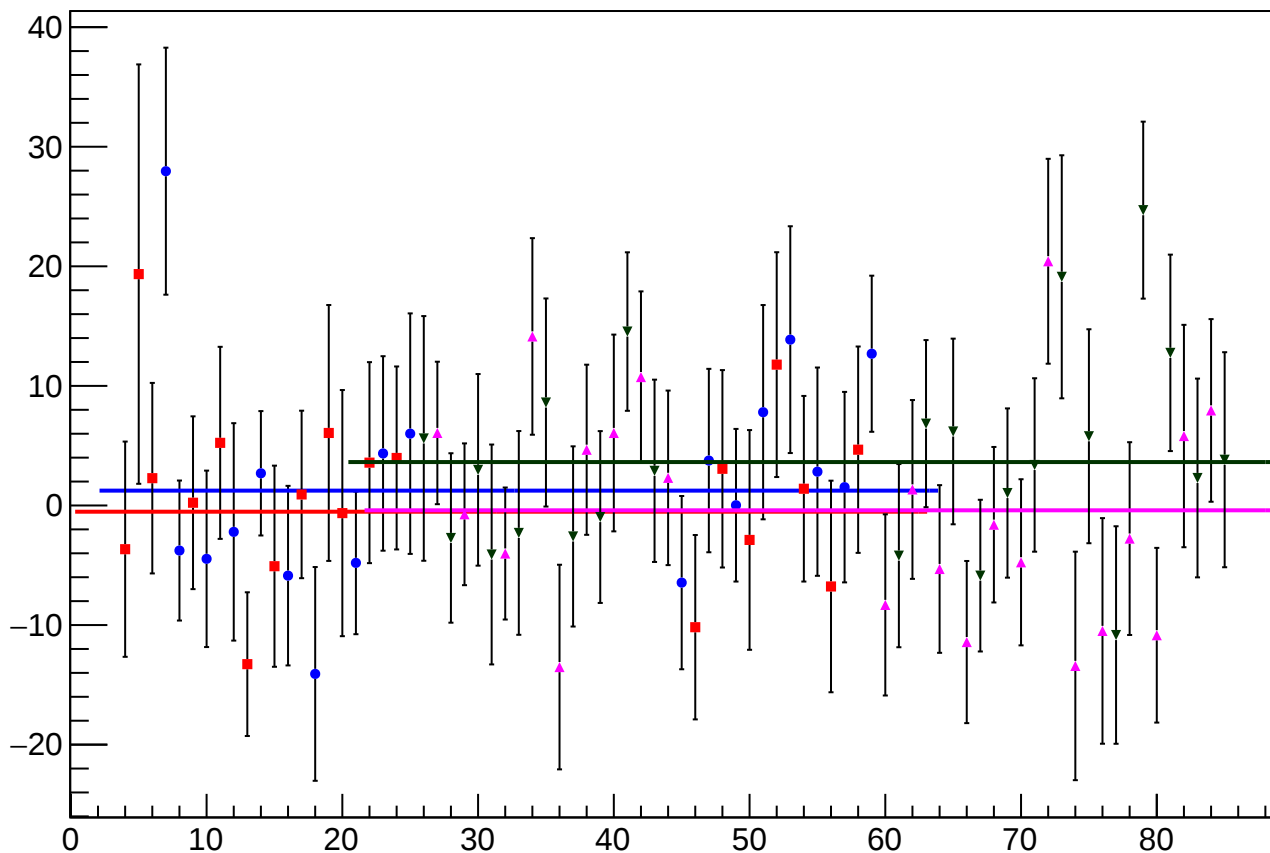
Right Out: 3561.233+/-0.871 χ^2/NDF : 2618224.4/18

Left In: 3460.036+/-0.779 χ^2/NDF : 3890223.3/21

3383.559+/-0.550 χ^2/NDF : 7499483.1/40

3504.994+/-0.581 χ^2/NDF : 6515949.4/40

diff_bpm11X_mean vs slug



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

Left Out: 3.631 ± 1.637 χ^2/NDF : 24.2/22

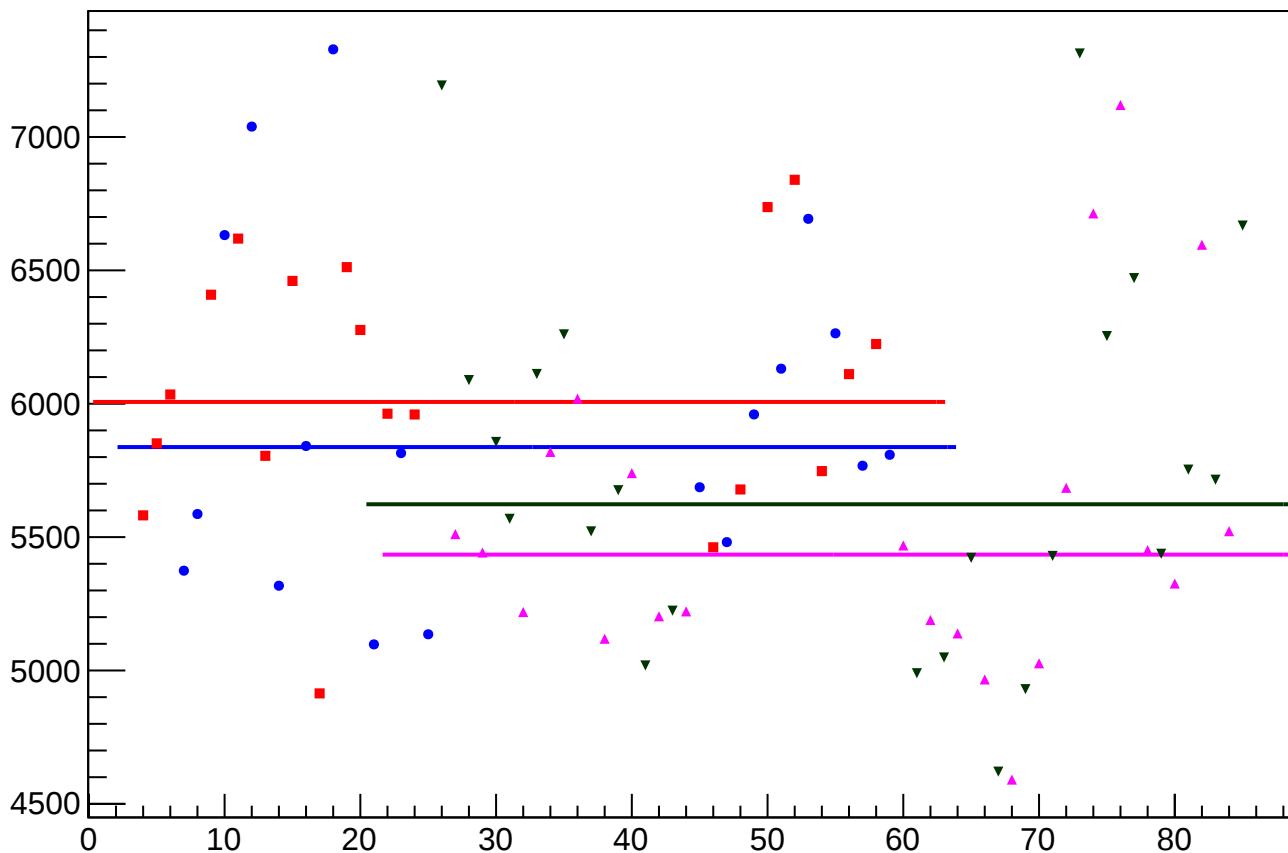
Right Out: -0.521 ± 1.907 χ^2/NDF : 12.3/18

Left In: -0.405 ± 1.560 χ^2/NDF : 28.2/21

2.517 ± 1.196 χ^2/NDF : 45.4/40

-0.451 ± 1.207 χ^2/NDF : 40.5/40

diff_bpm11X_rms vs slug



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

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

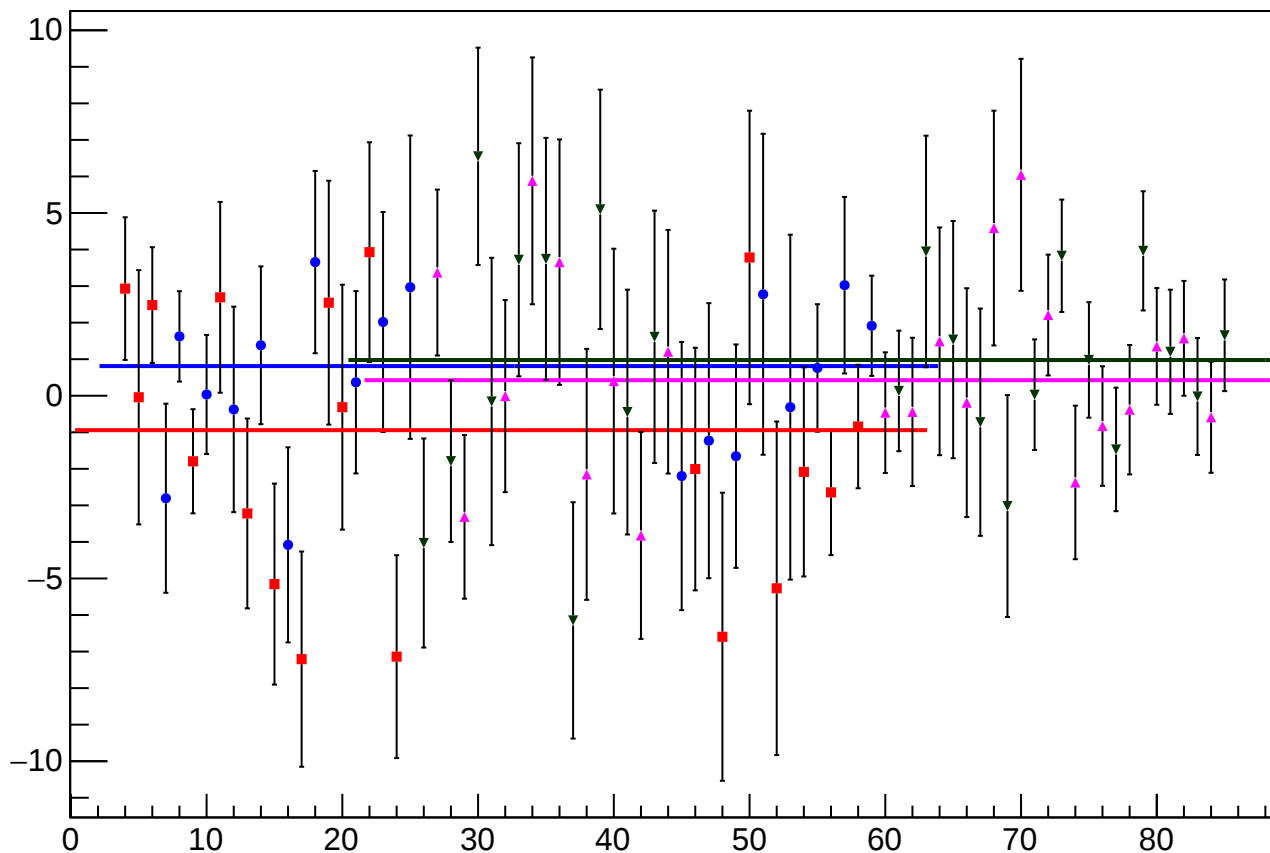
Right Out: 6006.736 $\pm$ 1.348 χ^2 /NDF: 130455.1/18

Left In: 5434.332 $\pm$ 1.103 χ^2 /NDF:216711.5/21

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

5663.808 $\pm$ 0.854 χ^2 /NDF: 455175.6/40

diff_bpm11Y_mean vs slug



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

Left Out: 0.977 ± 0.448 χ^2/NDF : 29.4/22

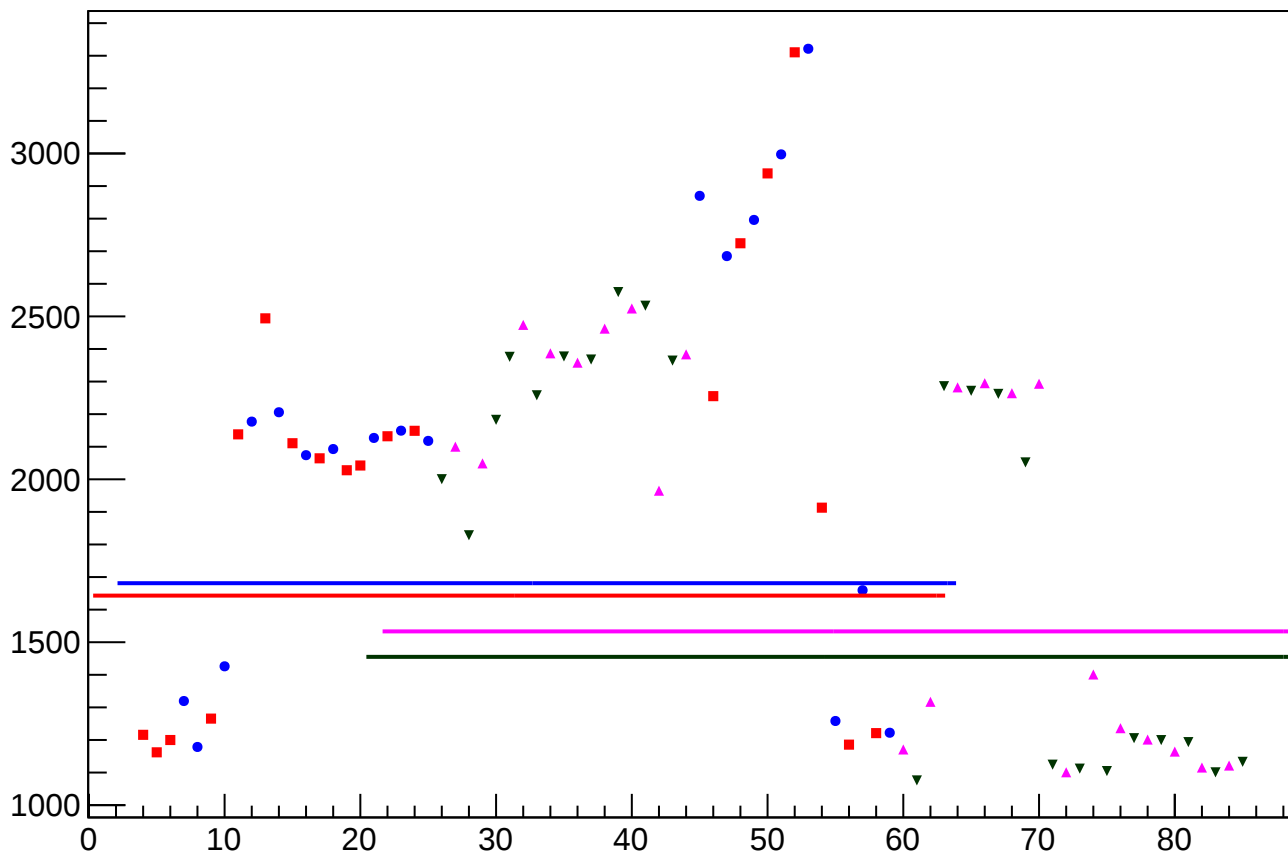
Right Out: -0.942 ± 0.553 χ^2/NDF : 32.9/18

Left In: 0.425 ± 0.465 χ^2/NDF : 21.4/21

0.908 ± 0.343 χ^2/NDF : 40.8/40

-0.142 ± 0.356 χ^2/NDF : 57.9/40

diff_bpm11Y_rms vs slug



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

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

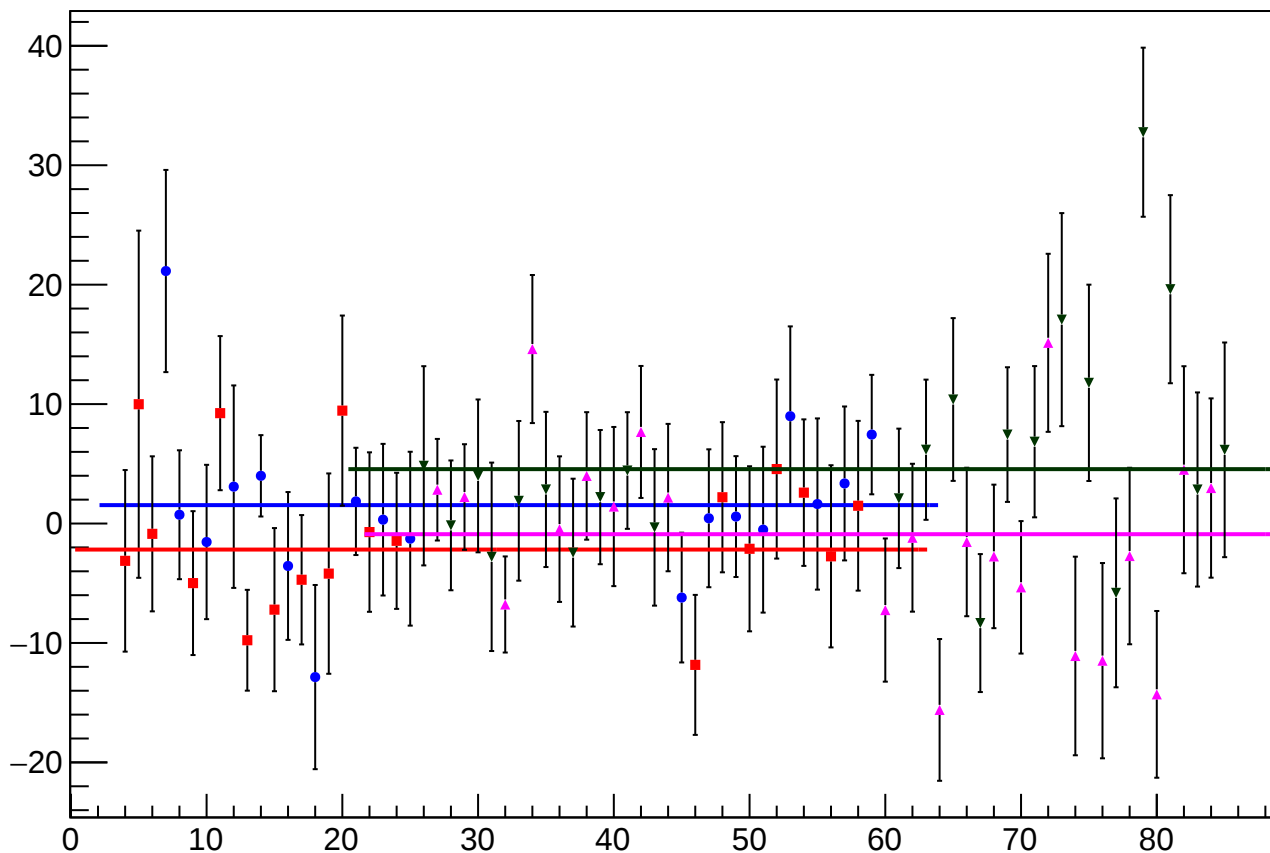
Right Out: 1643.071 $\pm$ 0.391 χ^2 /NDF: 1969332.5/18

Left In: 1533.225 $\pm$ 0.329 χ^2 /NDF: 2456064.2/21

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

1578.804 $\pm$ 0.252 χ^2 /NDF: 4471641.2/40

diff_bpm12X_mean vs slug



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

Left Out: 4.554 ± 1.372 χ^2/NDF : 34.3/22

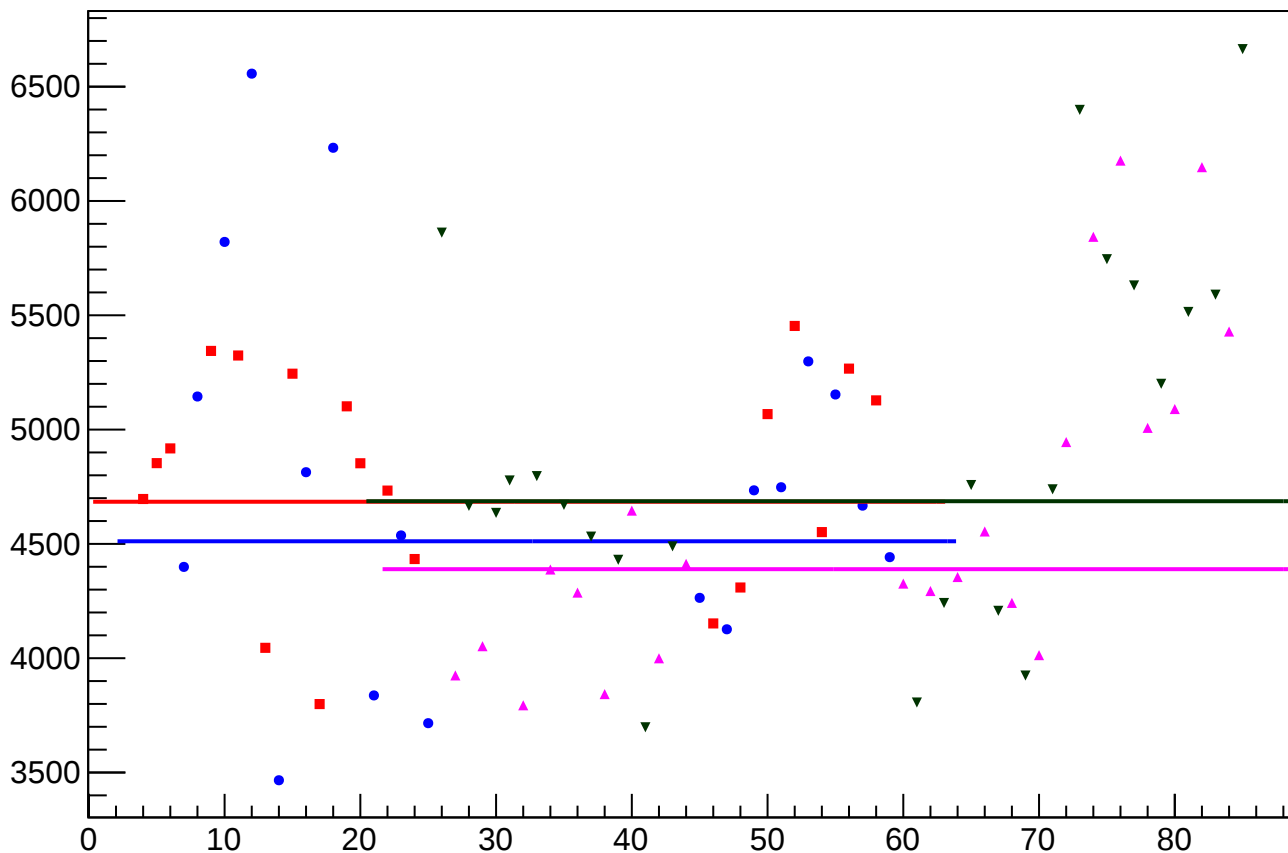
Right Out: -2.180 ± 1.492 χ^2/NDF : 15.2/18

Left In: -0.893 ± 1.266 χ^2/NDF : 33.5/21

3.044 ± 0.969 χ^2/NDF : 51.9/40

-1.432 ± 0.966 χ^2/NDF : 49.2/40

diff_bpm12X_rms vs slug



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

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

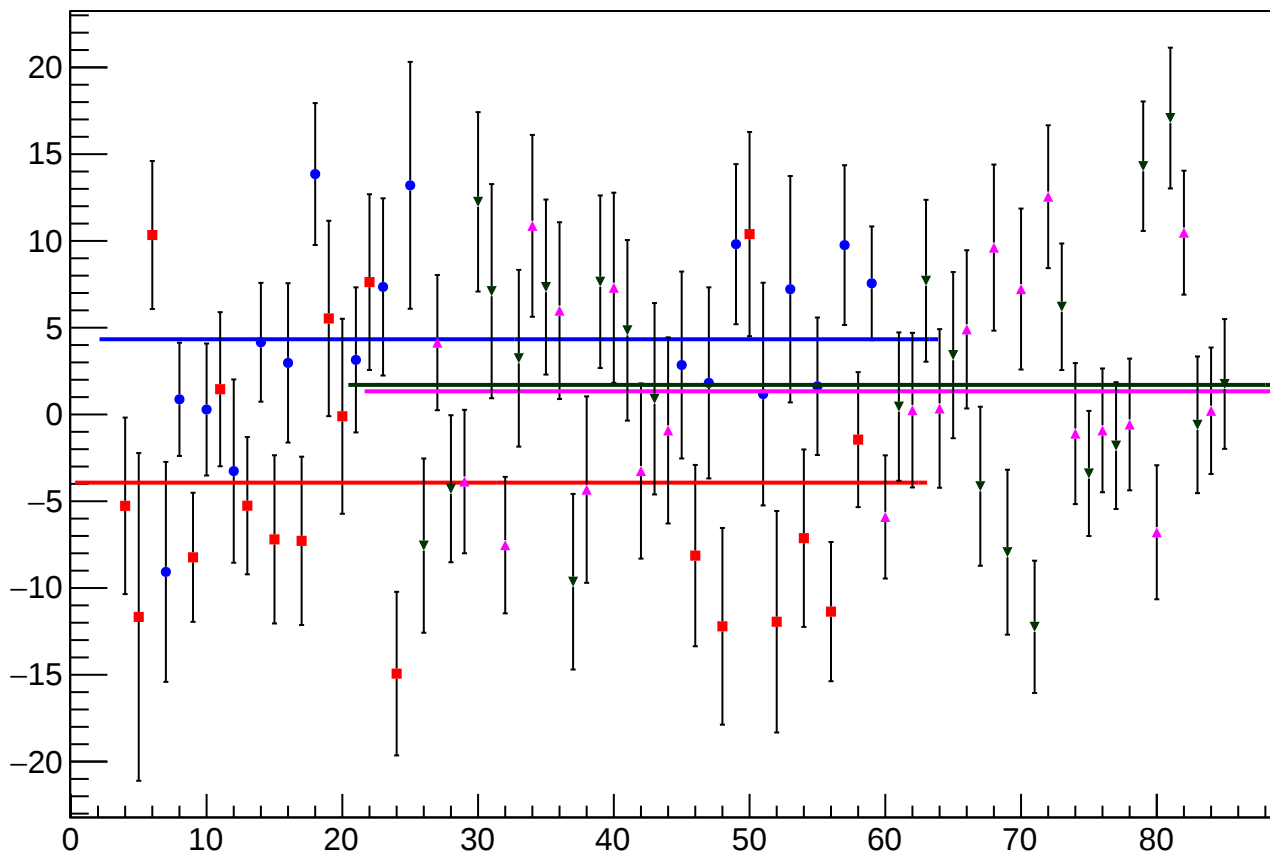
Right Out: 4684.391+/-1.055 χ^2/NDF : 240230.9/18

Left In: 4389.439+/-0.896 χ^2/NDF : 448986.6/21

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

4512.913+/-0.683 χ^2/NDF : 734631.5/40

diff_bpm12Y_mean vs slug



Right In: 4.334 $\pm$ 1.055 χ^2 /NDF: 21.3/17

Left Out: 1.704 $\pm$ 0.918 χ^2 /NDF: 70.1/22

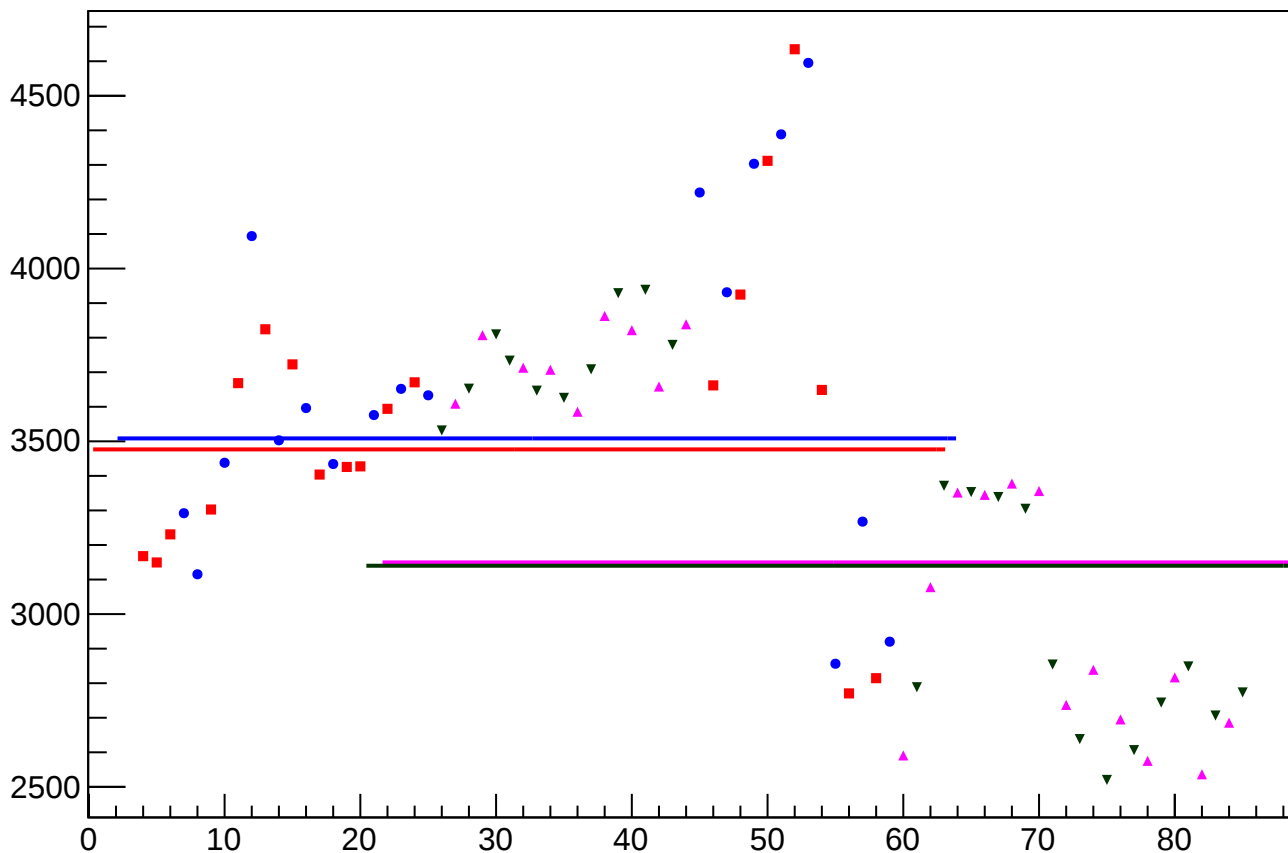
Right Out: -3.927 $\pm$ 1.110 χ^2 /NDF: 44.2/18

Left In: 1.336 $\pm$ 0.909 χ^2 /NDF: 43.6/21

2.837 $\pm$ 0.692 χ^2 /NDF: 94.9/40

-0.777 $\pm$ 0.703 χ^2 /NDF: 101.3/40

diff_bpm12Y_rms vs slug



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

Left Out: 3139.968 $\pm$ 0.649 χ^2 /NDF:537309.2/22

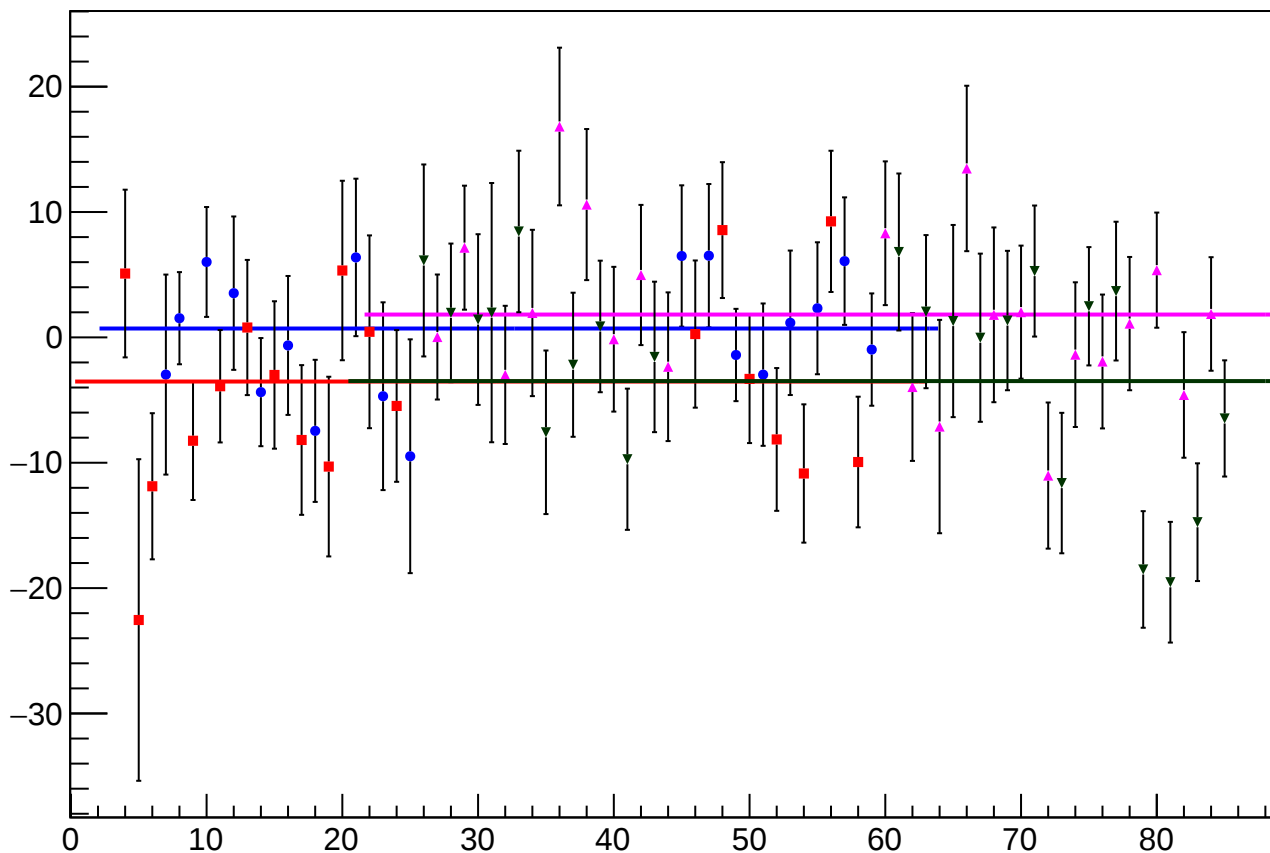
Right Out: 3476.662 $\pm$ 0.785 χ^2 /NDF: 293750.8/18

Left In: 3149.612 $\pm$ 0.643 χ^2 /NDF:558037.7/21

3298.657 $\pm$ 0.490 χ^2 /NDF: 1060291.0/40

3280.901 $\pm$ 0.497 χ^2 /NDF: 955740.2/40

diff_bpm16X_mean vs slug



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

Left Out: -3.487 ± 1.191 $\chi^2/\text{NDF}: 50.1/22$

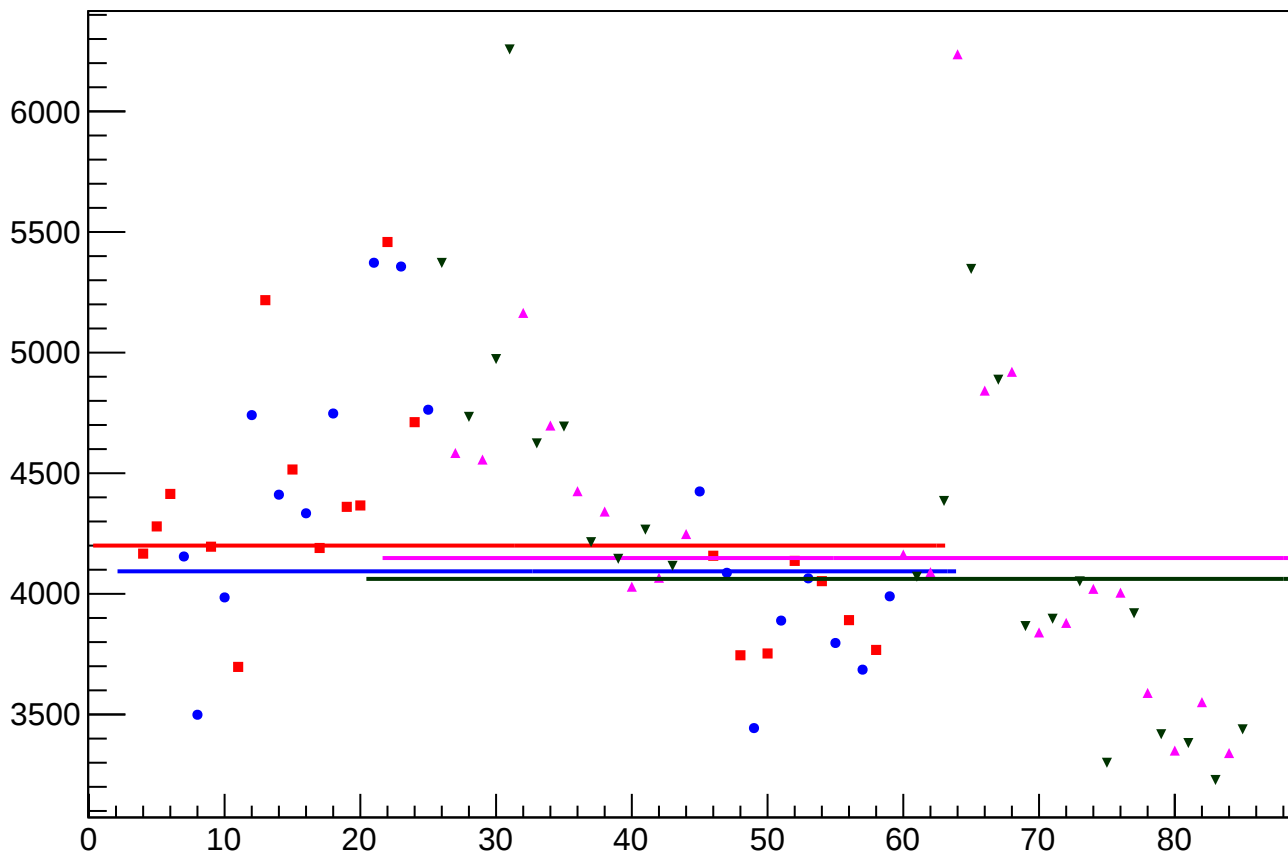
Right Out: -3.522 ± 1.336 $\chi^2/\text{NDF}: 25.4/18$

Left In: 1.821 ± 1.197 $\chi^2/\text{NDF}: 25.2/21$

-1.456 ± 0.855 $\chi^2/\text{NDF}: 68.3/40$

-0.558 ± 0.891 $\chi^2/\text{NDF}: 59.5/40$

diff_bpm16X_rms vs slug



Right In: 4093.382+/-0.869 χ^2/NDF : 359698.6/17

Left Out: 4061.997+/-0.842 χ^2/NDF : 580261.5/22

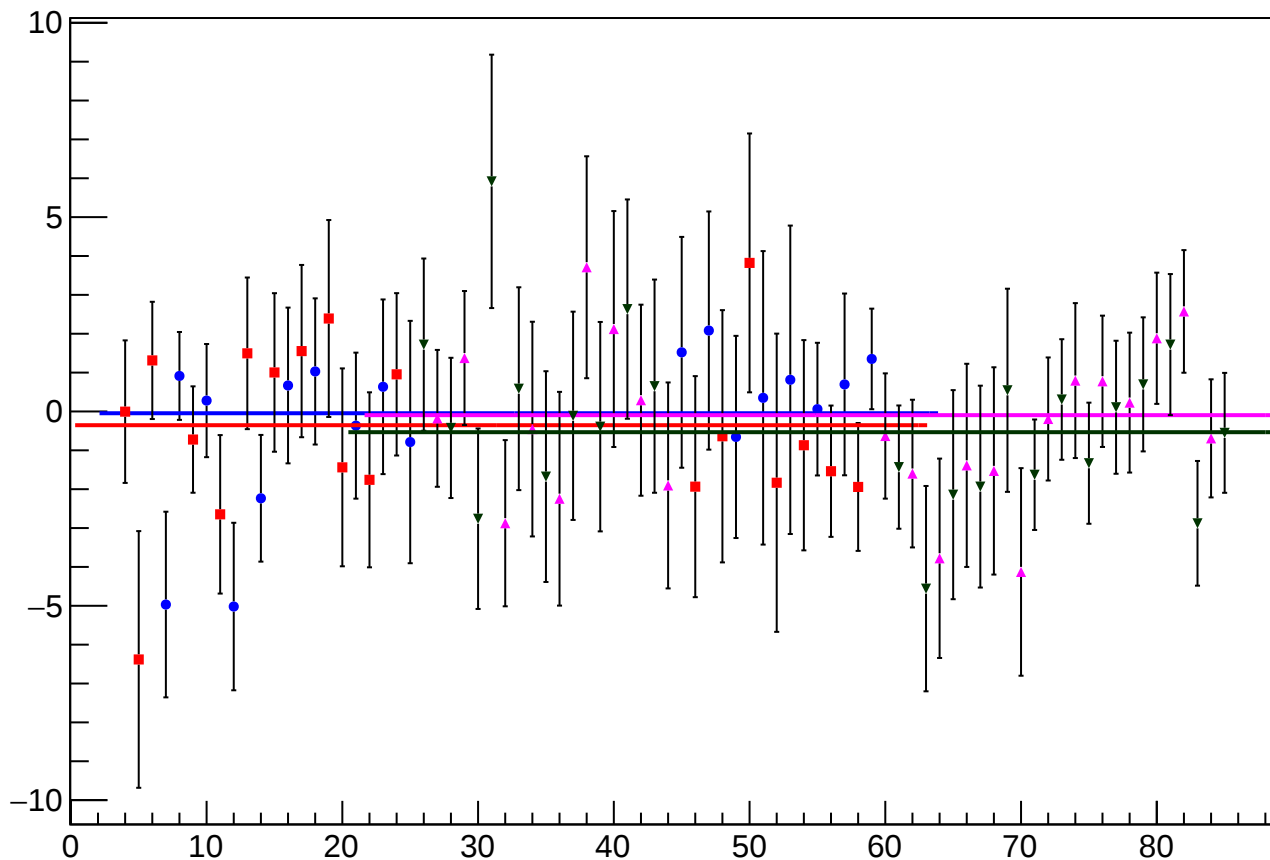
4077.194+/-0.605 χ^2/NDF : 940633.1/40

Right Out: 4200.125+/-0.945 χ^2/NDF : 225858.3/18

4171.447+/-0.630 χ^2/NDF : 701325.3/40

Left In: 4148.427+/-0.846 χ^2/NDF : 473805.7/21

diff_bpm16Y_mean vs slug



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

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

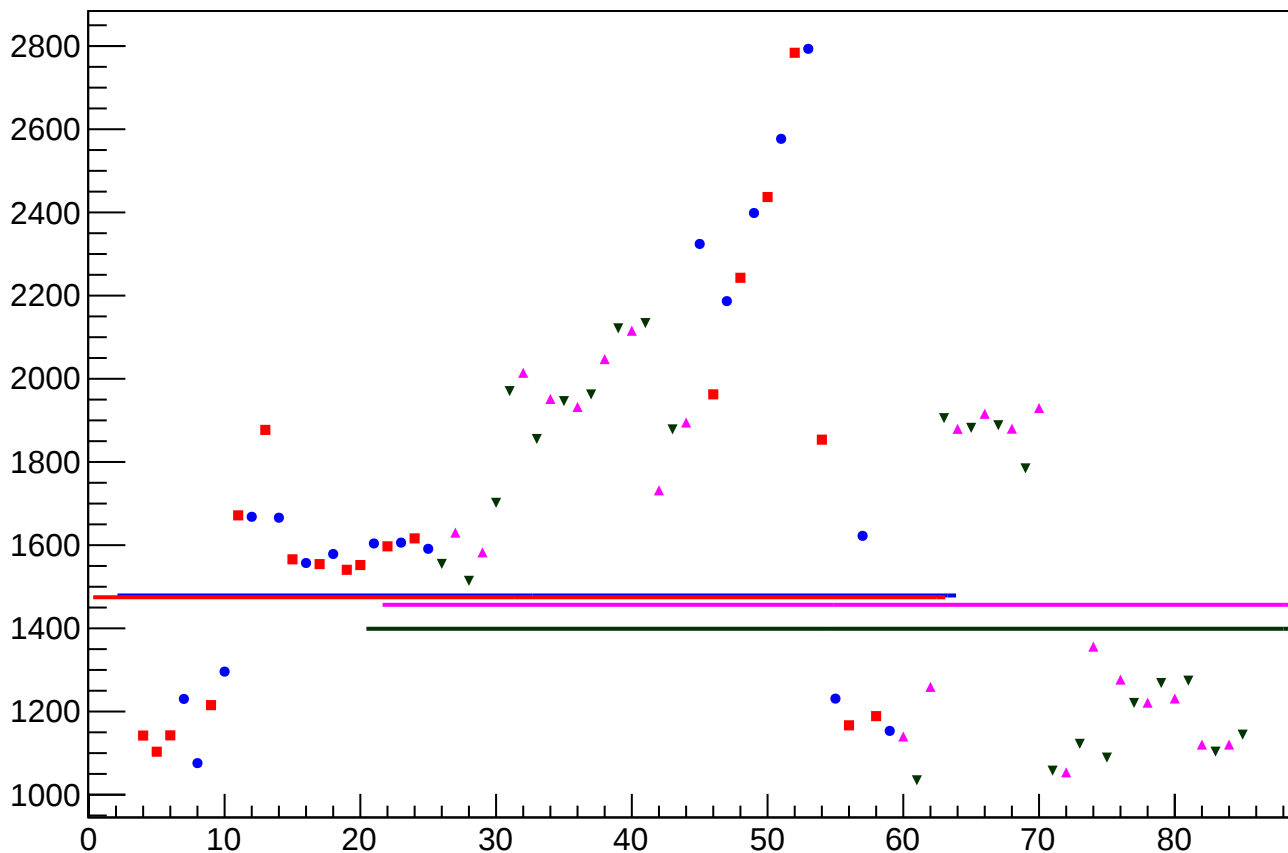
Right Out: -0.354 ± 0.483 χ^2/NDF : 13.6/18

Left In: -0.095 ± 0.430 χ^2/NDF : 16.4/21

-0.311 ± 0.309 χ^2/NDF : 32.2/40

-0.209 ± 0.321 χ^2/NDF : 30.2/40

diff_bpm16Y_rms vs slug



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

Left Out: 1398.979+/-0.296 χ^2/NDF :1466170.2/22

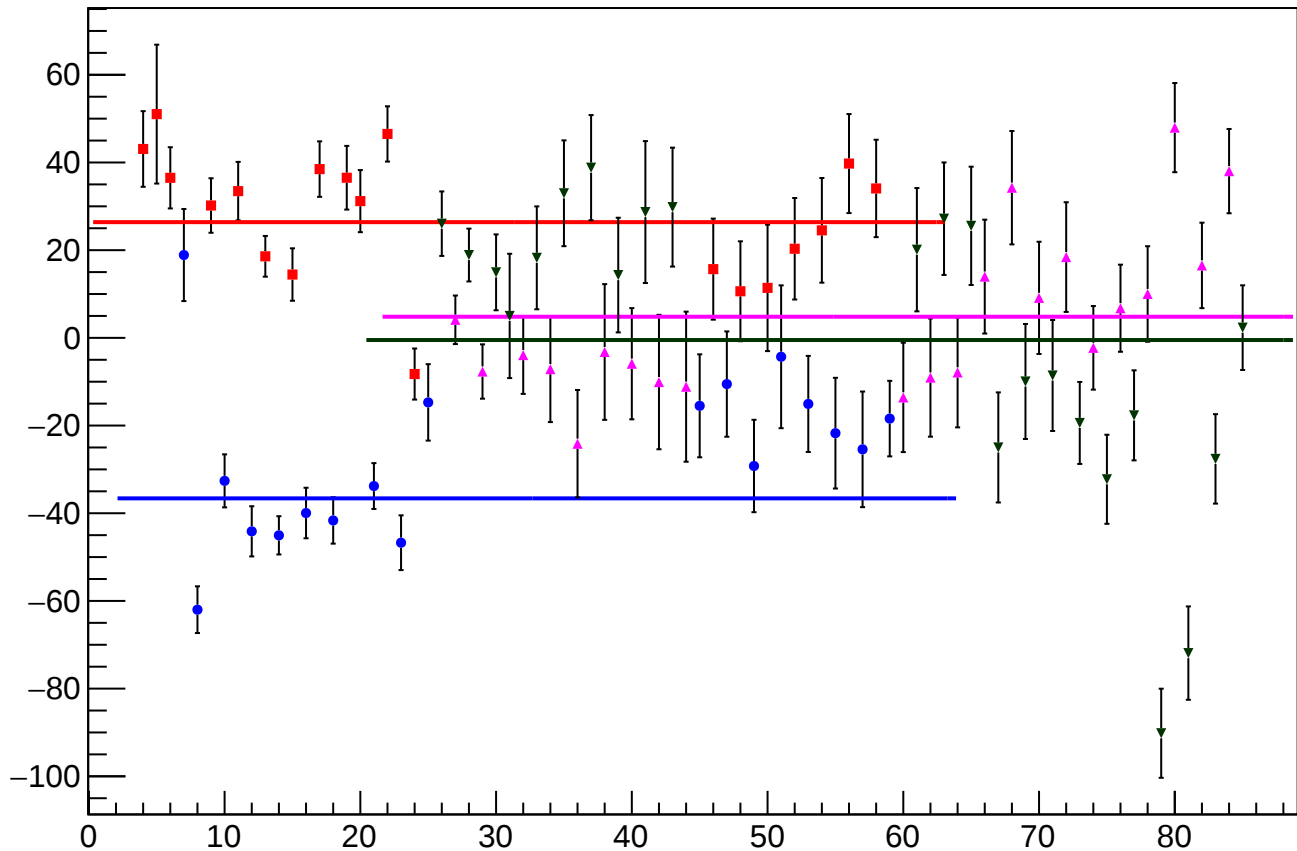
Right Out: 1474.750+/-0.342 χ^2/NDF : 1125200.2/18

Left In: 1456.593+/-0.304 χ^2/NDF :1293670.5/21

1435.423+/-0.219 χ^2/NDF : 2958742.1/40

1464.607+/-0.227 χ^2/NDF : 2420447.1/40

diff_bpm0l01X_mean vs slug



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

Left Out: -0.493 ± 2.208 $\chi^2/\text{NDF}: 219.2/22$

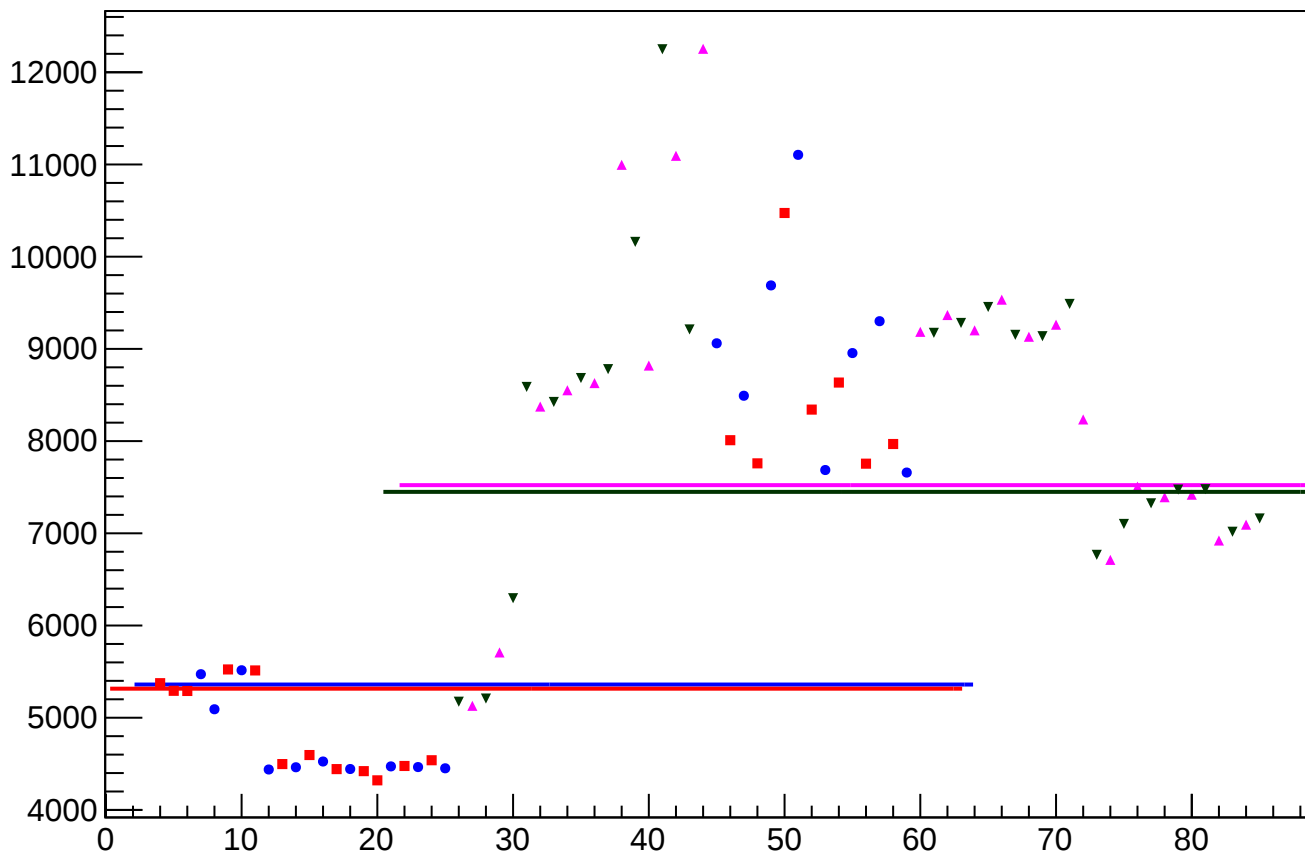
Right Out: 26.394 ± 1.742 $\chi^2/\text{NDF}: 74.2/18$

Left In: 4.821 ± 2.202 $\chi^2/\text{NDF}: 57.8/21$

-23.427 ± 1.334 $\chi^2/\text{NDF}: 478.8/40$

18.088 ± 1.366 $\chi^2/\text{NDF}: 191.1/40$

diff_bpm0l01X_rms vs slug



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

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

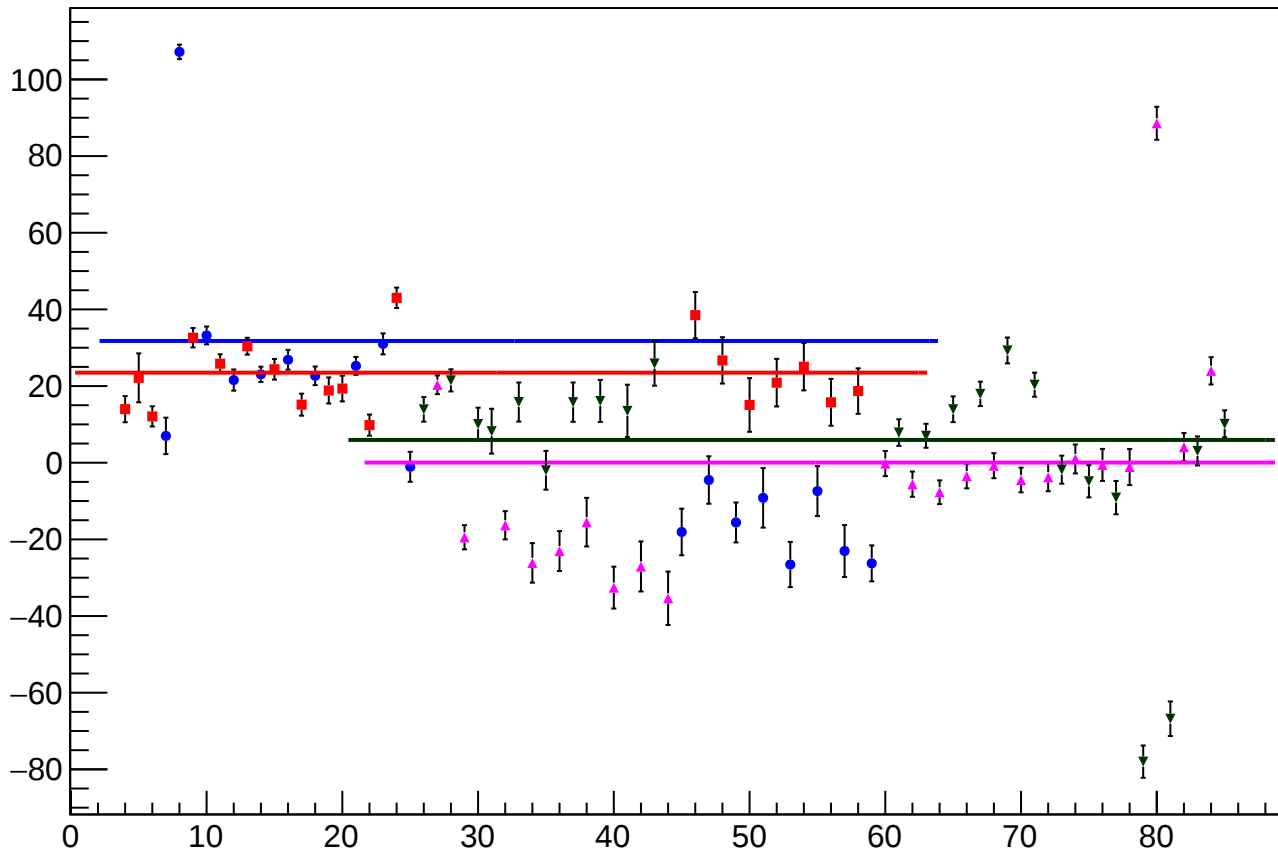
6122.573+/-0.943 χ^2/NDF : 4124972.4/40

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

6164.889+/-0.966 χ^2/NDF : 3701819.0/40

Left In: 7522.361+/-1.557 χ^2/NDF :1235540.9/21

diff_bpm0l01Y_mean vs slug



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

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

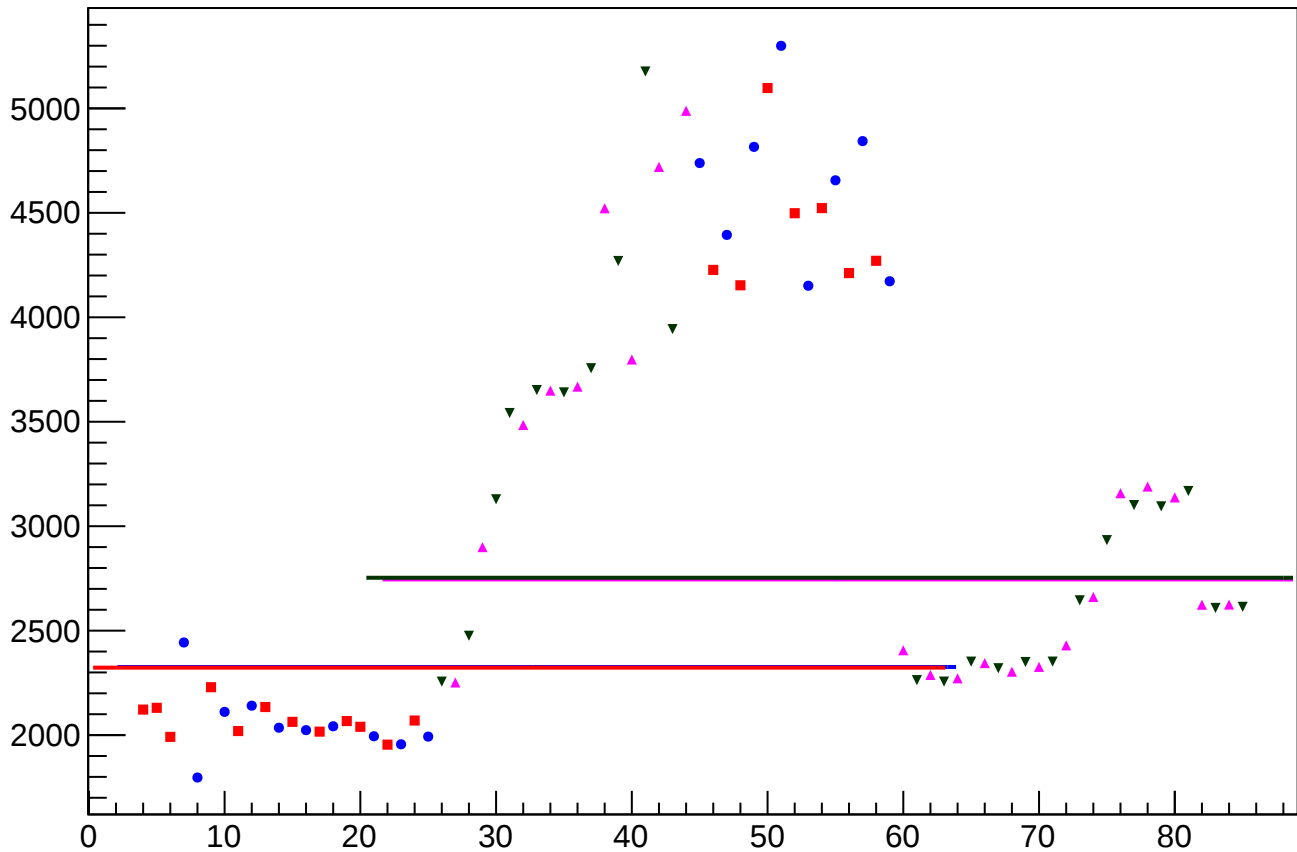
Right Out: 23.500 $\pm$ 0.773 χ^2 /NDF: 151.3/18

Left In: 0.051 $\pm$ 0.803 χ^2 /NDF:741.1/21

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

12.222 $\pm$ 0.557 χ^2 /NDF: 1335.4/40

diff_bpm0l01Y_rms vs slug



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

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

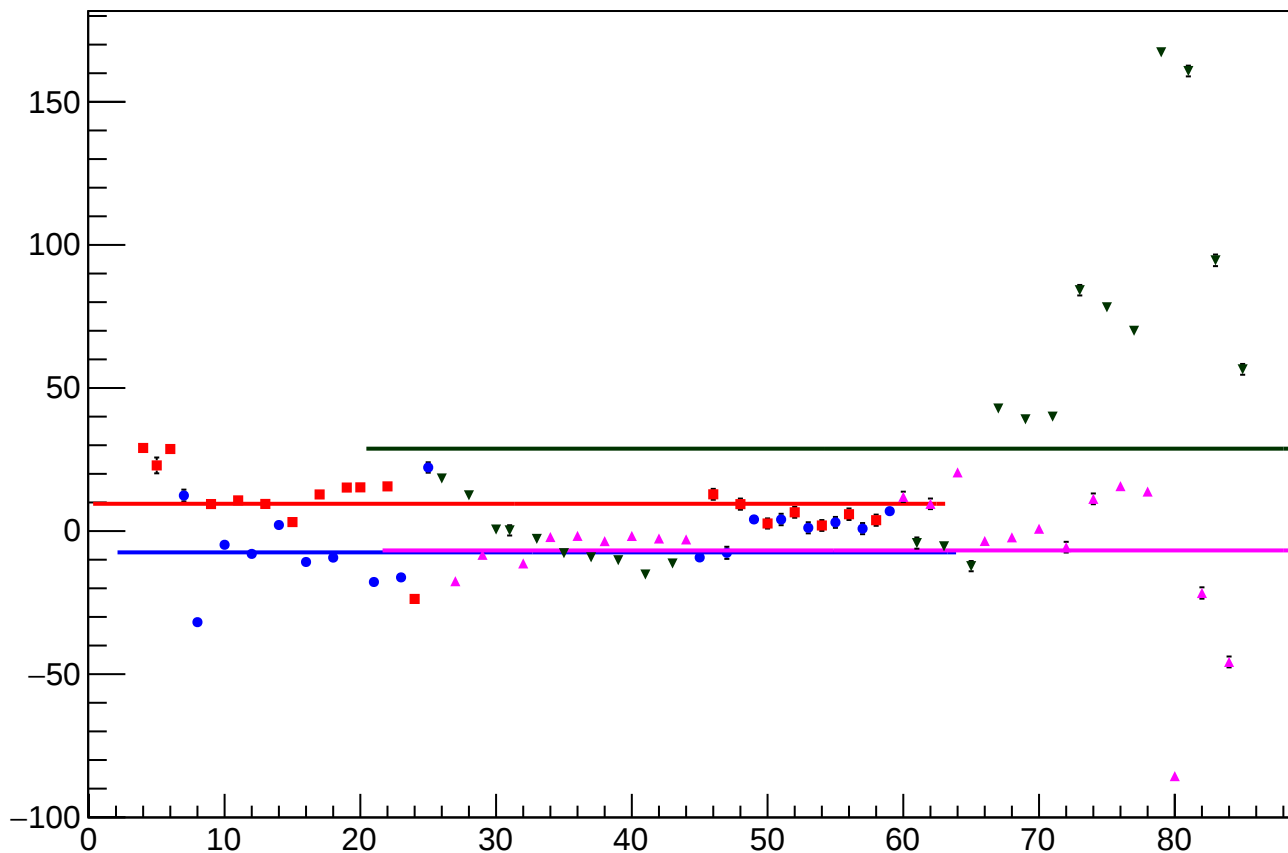
2519.198 $\pm$ 0.388 χ^2 /NDF: 4075705.1/40

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

2525.918 $\pm$ 0.394 χ^2 /NDF: 3294563.3/40

Left In: 2745.004 $\pm$ 0.568 χ^2 /NDF:1196723.3/21

diff_bpm2i01X_mean vs slug



Right In: -7.442 $\pm$ 0.310 χ^2 /NDF: 1753.9/17

Left Out: 28.802 $\pm$ 0.331 χ^2 /NDF:22407.6/22

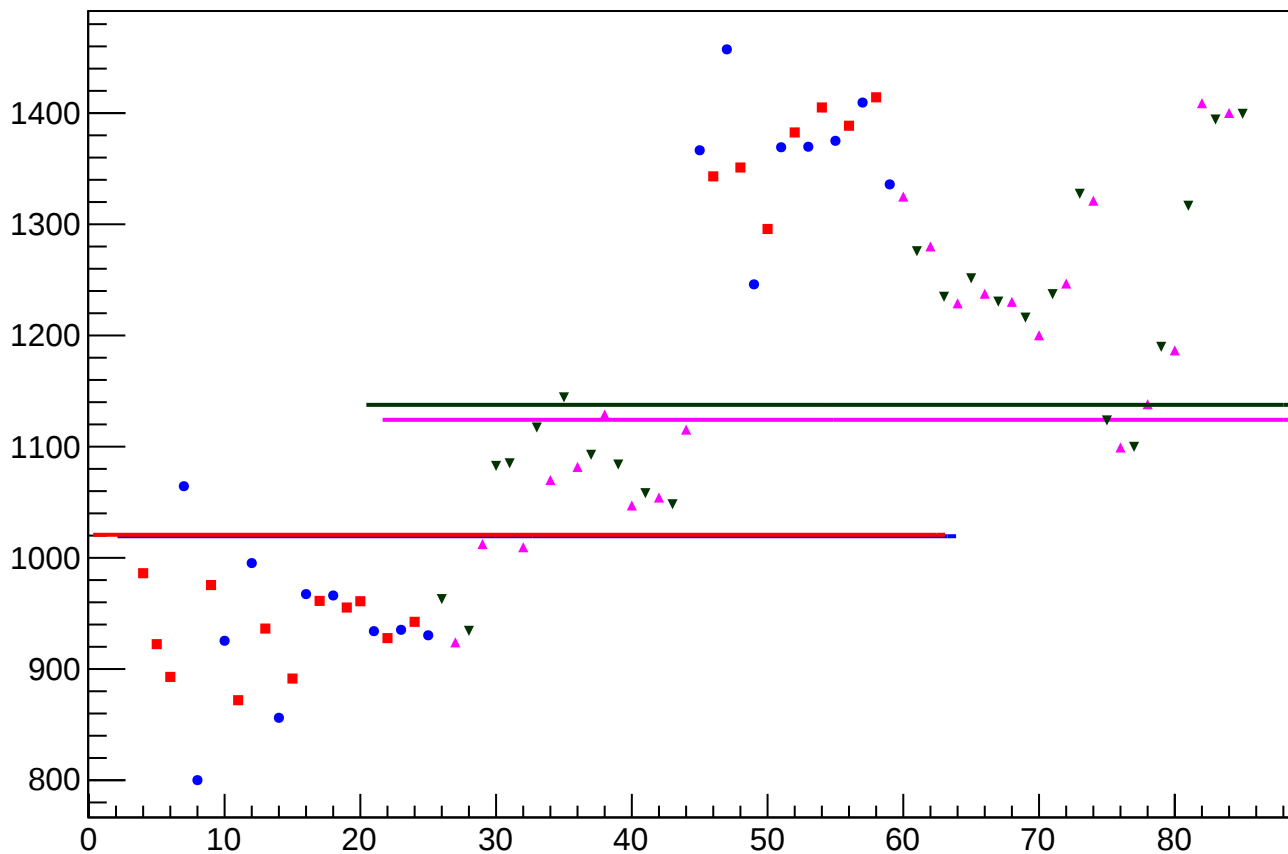
Right Out: 9.540 $\pm$ 0.328 χ^2 /NDF: 1327.8/18

Left In: -6.762 $\pm$ 0.323 χ^2 /NDF:3971.9/21

9.493 $\pm$ 0.226 χ^2 /NDF: 30551.2/40

1.267 $\pm$ 0.230 χ^2 /NDF: 6556.1/40

diff_bpm2i01X_rms vs slug



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

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

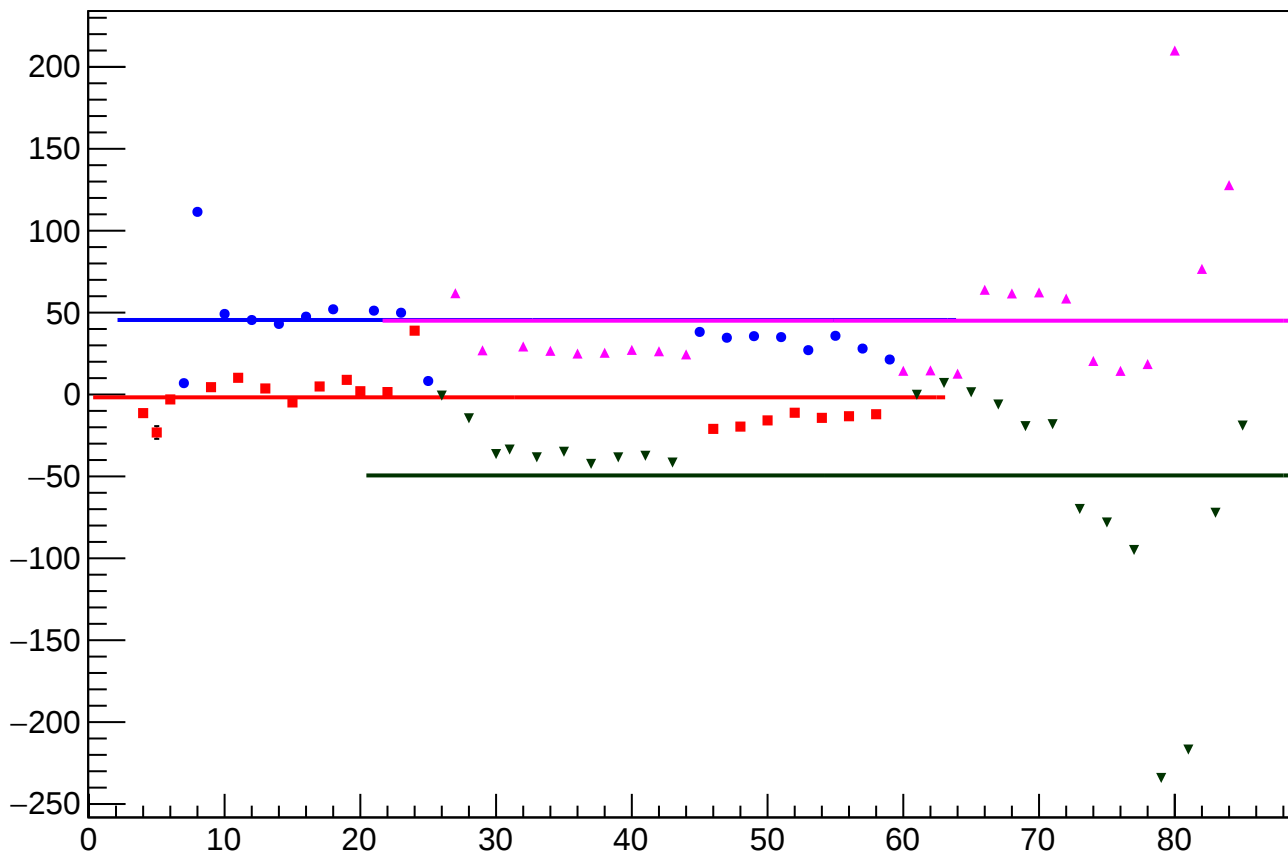
Right Out: 1020.749+/-0.232 χ^2/NDF : 605072.5/18

Left In: 1124.156+/-0.228 χ^2/NDF : 323235.9/21

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

1073.224+/-0.163 χ^2/NDF : 1029417.0/40

diff_bpm2i01Y_mean vs slug



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

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

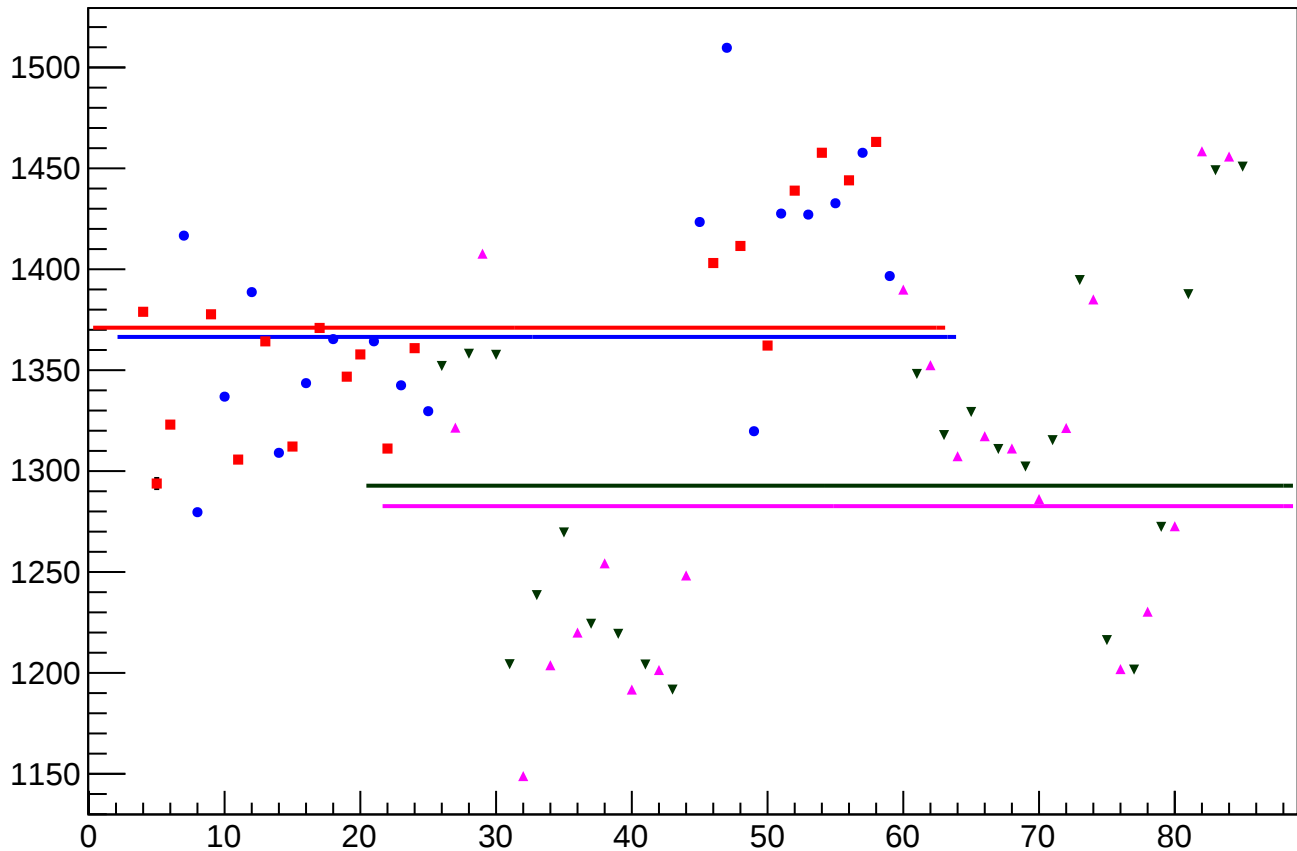
Right Out: -1.724+/-0.434 χ^2/NDF : 1071.7/18

Left In: 45.062+/-0.366 χ^2/NDF : 14017.4/21

-6.023+/-0.276 χ^2/NDF : 57687.3/40

25.585+/-0.280 χ^2/NDF : 21874.4/40

diff_bpm2i01Y_rms vs slug



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

Left Out: 1292.766 $\pm$ 0.265 χ^2 /NDF: 82297.3/22

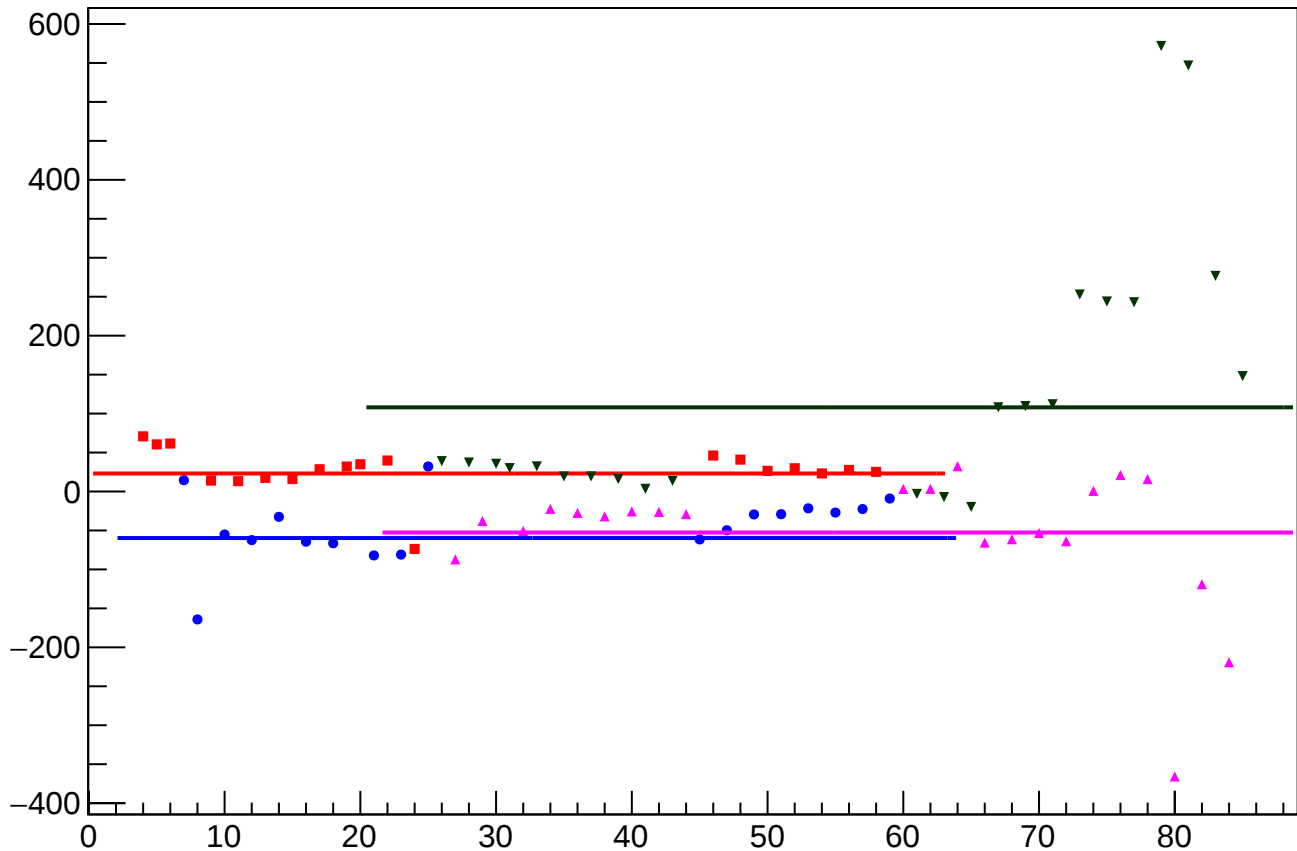
Right Out: 1371.055 $\pm$ 0.307 χ^2 /NDF: 24860.5/18

Left In: 1282.635 $\pm$ 0.259 χ^2 /NDF: 111577.8/21

1326.461 $\pm$ 0.195 χ^2 /NDF: 156374.6/40

1319.443 $\pm$ 0.198 χ^2 /NDF: 184909.4/40

diff_bpm2i02X_mean vs slug



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

Left Out: 107.989 ± 0.345 $\chi^2/\text{NDF}: 197942.2/22$

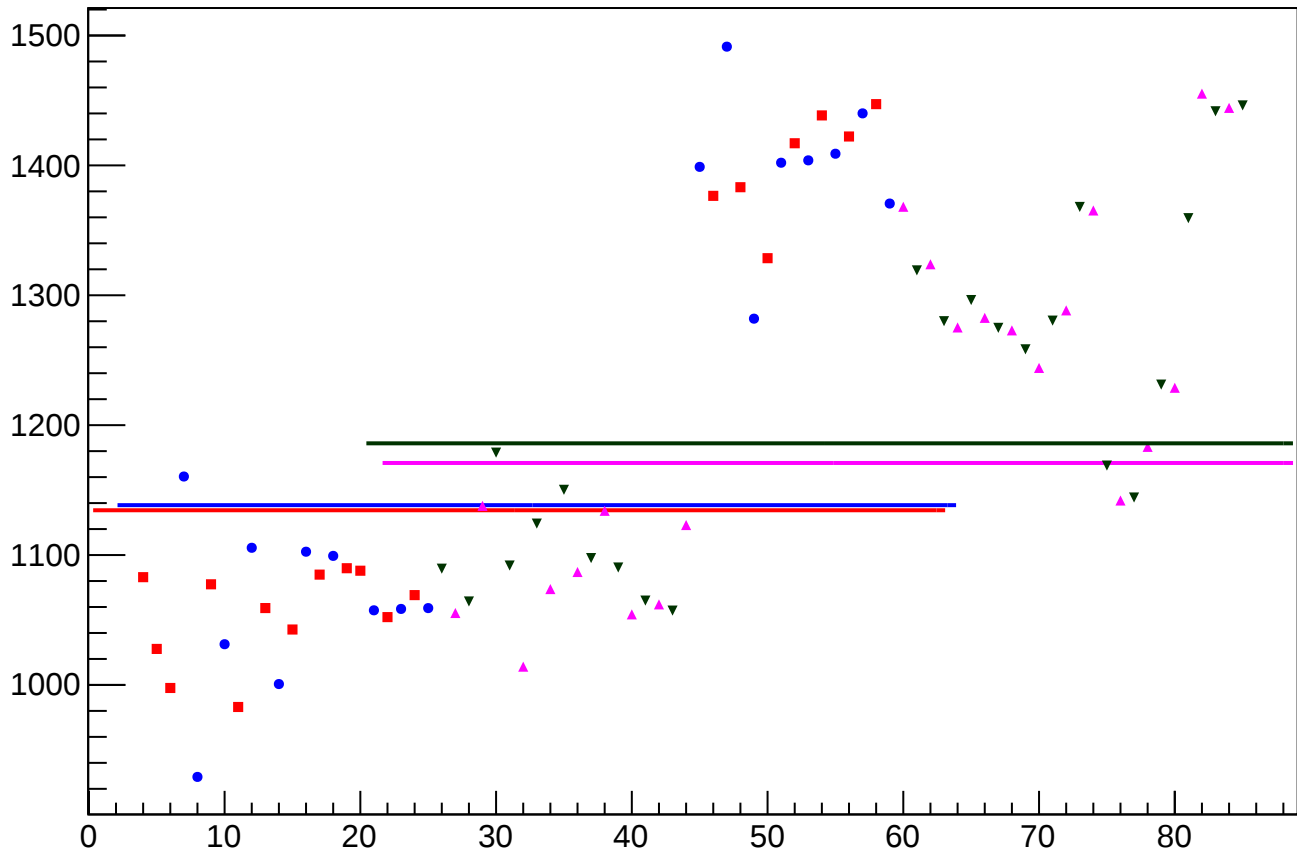
23.788 ± 0.243 $\chi^2/\text{NDF}: 335682.6/40$

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

-17.581 ± 0.246 $\chi^2/\text{NDF}: 85399.1/40$

Left In: -52.647 ± 0.336 $\chi^2/\text{NDF}: 54480.4/21$

diff_bpm2i02X_rms vs slug



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

Left Out: 1186.009+/-0.244 χ^2/NDF : 220853.6/22

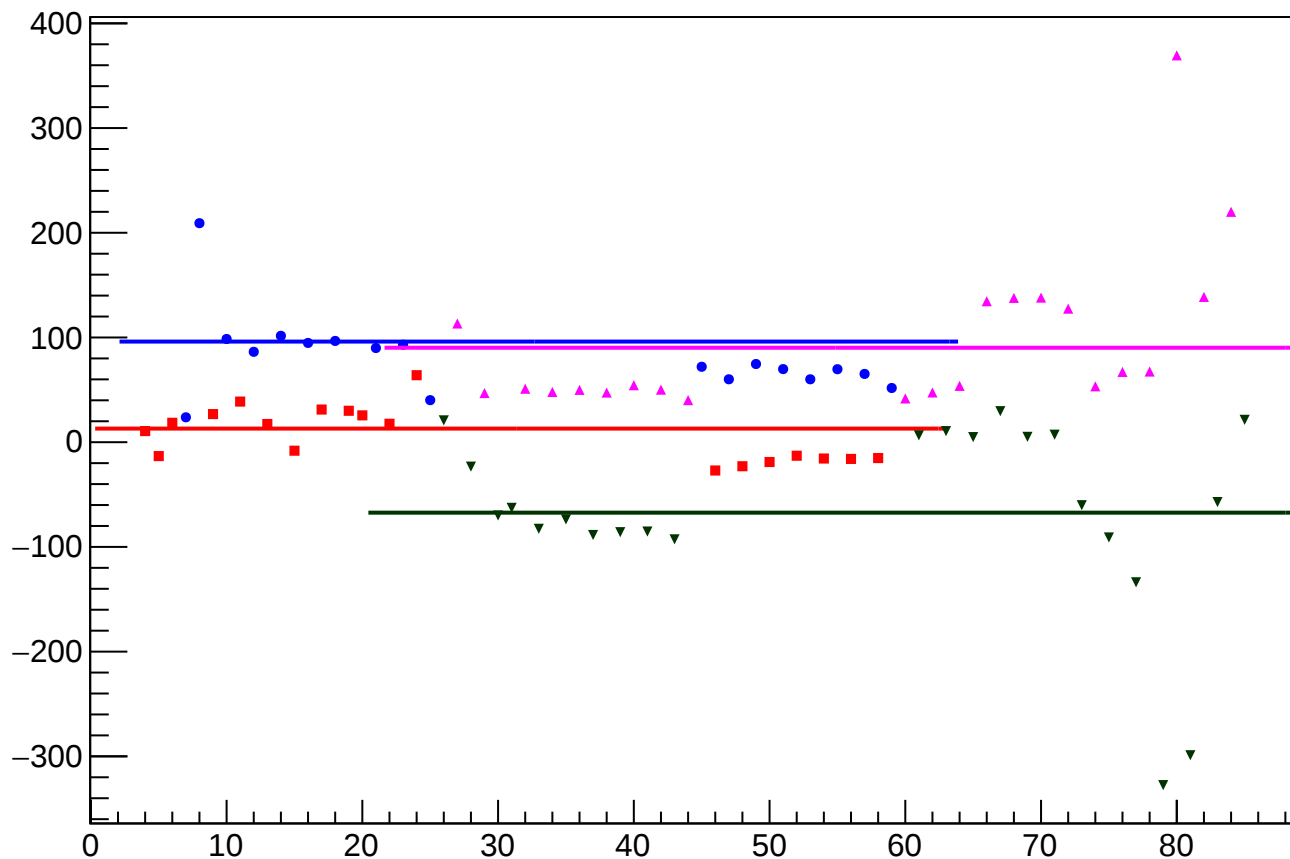
Right Out: 1134.479+/-0.256 χ^2/NDF : 360721.2/18

Left In: 1170.888+/-0.237 χ^2/NDF : 273542.8/21

1162.114+/-0.172 χ^2/NDF : 728092.8/40

1154.038+/-0.174 χ^2/NDF : 645144.5/40

diff_bpm2i02Y_mean vs slug



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

Left Out: -67.284 $\pm$ 0.338 χ^2 /NDF: 64537.1/22

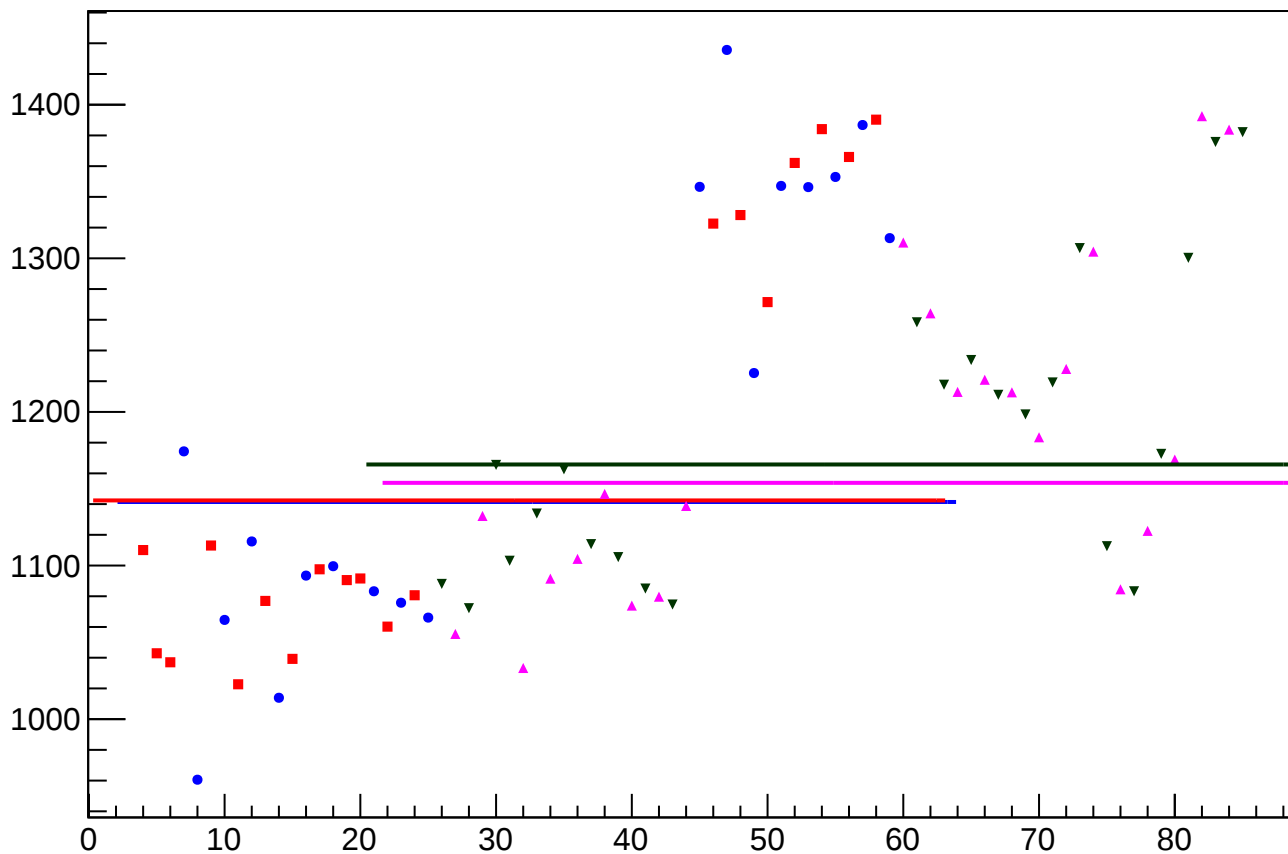
Right Out: 12.992 $\pm$ 0.363 χ^2 /NDF: 4541.3/18

Left In: 90.220 $\pm$ 0.330 χ^2 /NDF: 48333.5/21

13.240 $\pm$ 0.241 χ^2 /NDF: 196797.9/40

55.284 $\pm$ 0.244 χ^2 /NDF: 77626.5/40

diff_bpm2i02Y_rms vs slug



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

Left Out: 1165.793 $\pm$ 0.239 χ^2 /NDF:132382.0/22

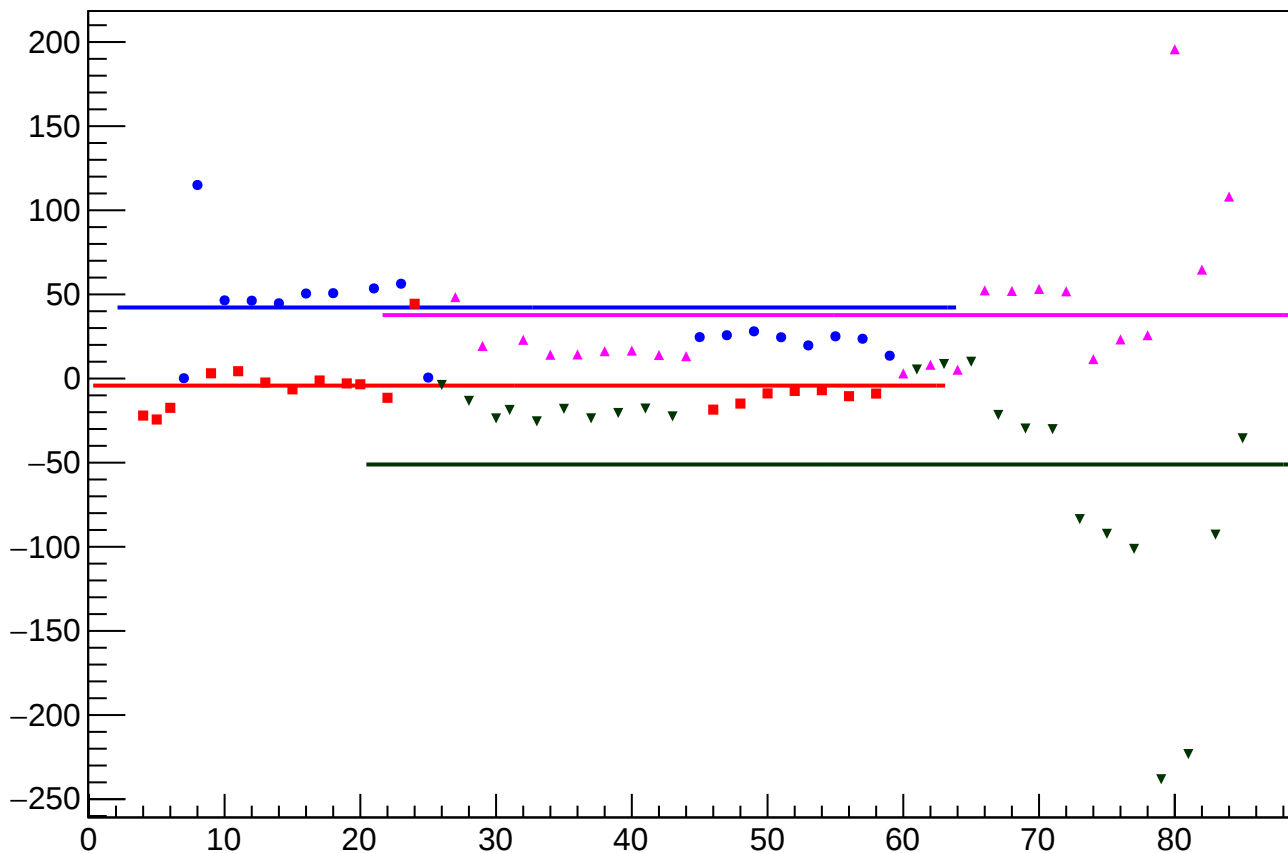
Right Out: 1142.390 $\pm$ 0.257 χ^2 /NDF: 236212.3/18

Left In: 1153.839 $\pm$ 0.233 χ^2 /NDF:168862.6/21

1153.761 $\pm$ 0.170 χ^2 /NDF: 466830.7/40

1148.660 $\pm$ 0.173 χ^2 /NDF: 406162.9/40

diff_bpm1i04X_mean vs slug



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

Left Out: -51.082 $\pm$ 0.210 χ^2 /NDF: 98016.8/22

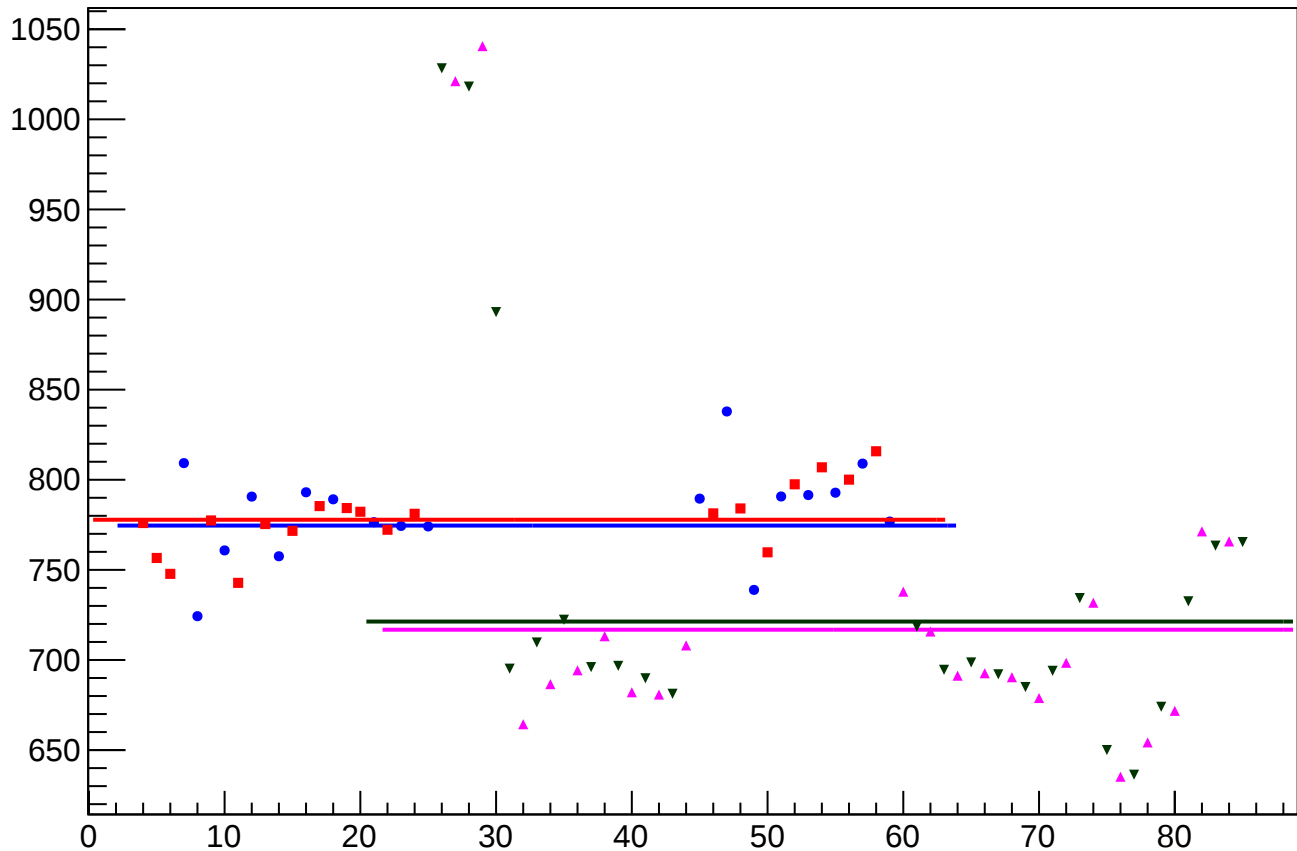
Right Out: -4.198 $\pm$ 0.246 χ^2 /NDF: 3378.3/18

Left In: 37.713 $\pm$ 0.206 χ^2 /NDF: 43935.1/21

-8.839 $\pm$ 0.155 χ^2 /NDF: 201707.3/40

20.428 $\pm$ 0.158 χ^2 /NDF: 64399.6/40

diff_bpm1i04X_rms vs slug



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

Left Out: 721.328 $\pm$ 0.148 χ^2 /NDF: 315565.3/22

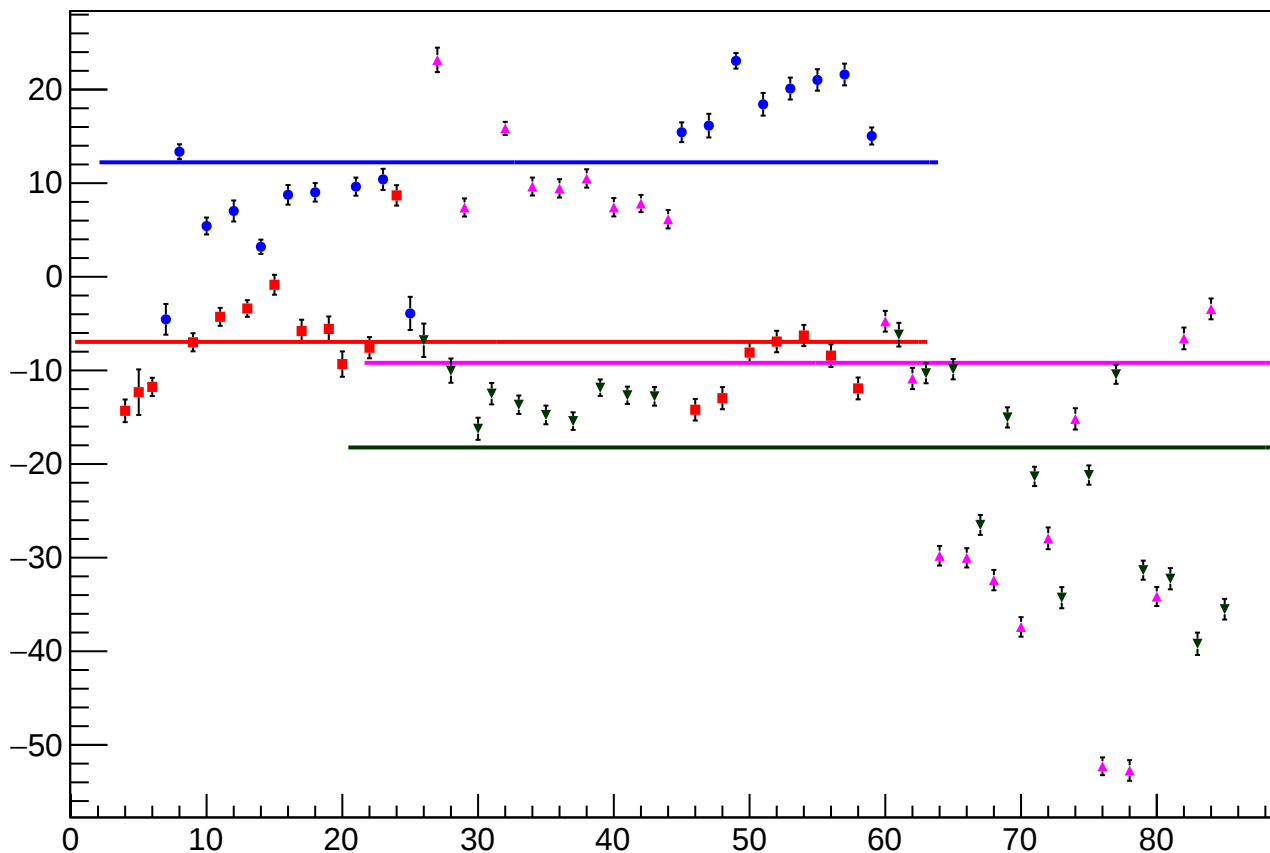
Right Out: 777.816 $\pm$ 0.174 χ^2 /NDF: 11180.5/18

Left In: 716.798 $\pm$ 0.146 χ^2 /NDF: 387825.6/21

745.436 $\pm$ 0.110 χ^2 /NDF: 400158.4/40

741.963 $\pm$ 0.112 χ^2 /NDF: 471441.0/40

diff_bpm1i04Y_mean vs slug



Right In: 12.227 ± 0.244 χ^2/NDF : 832.9/17

Left Out: -18.231 ± 0.223 χ^2/NDF : 1695.2/22

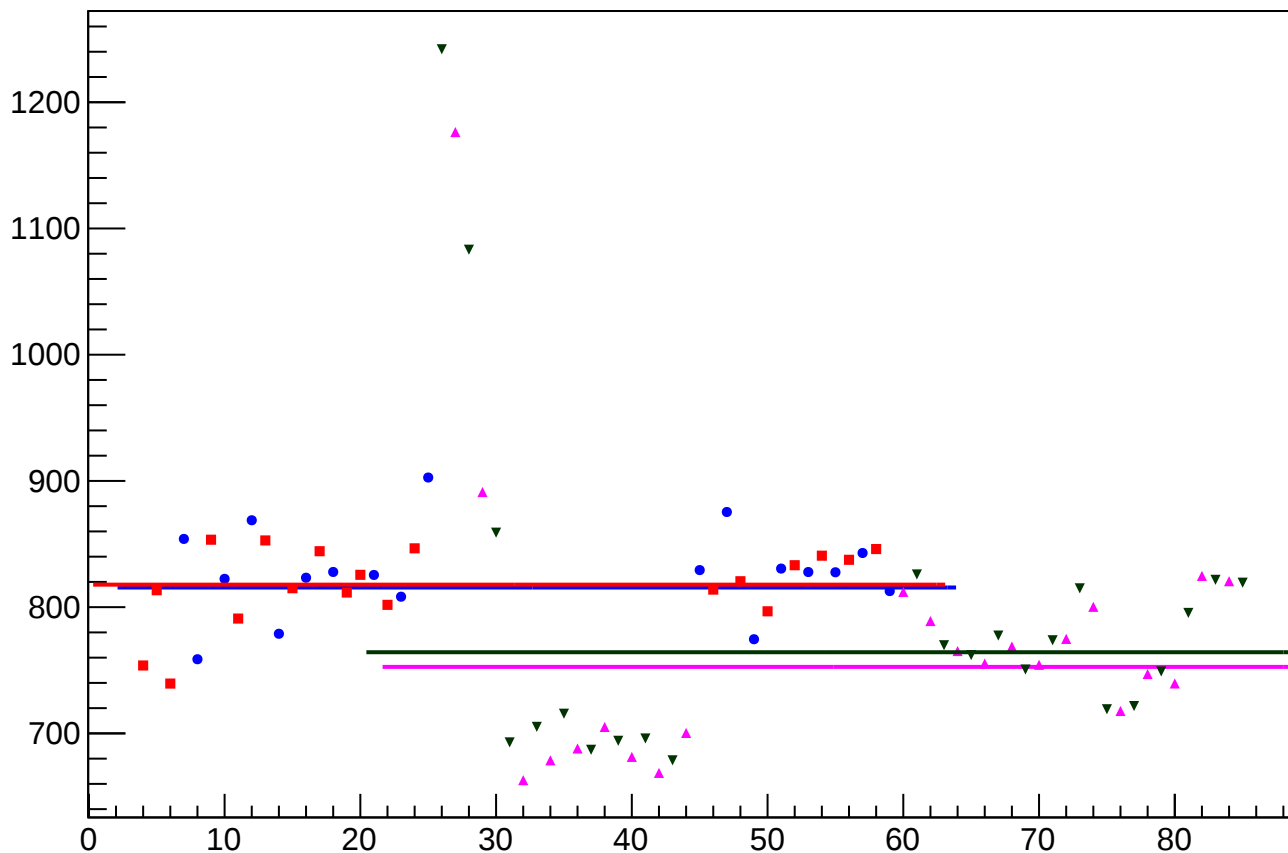
Right Out: -6.954 ± 0.259 χ^2/NDF : 420.8/18

Left In: -9.190 ± 0.217 χ^2/NDF : 10756.1/21

-4.306 ± 0.165 χ^2/NDF : 11020.7/40

-8.270 ± 0.166 χ^2/NDF : 11220.7/40

diff_bpm1i04Y_rms vs slug



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

Left Out: 764.302+/-0.158 χ^2/NDF : 378220.3/22

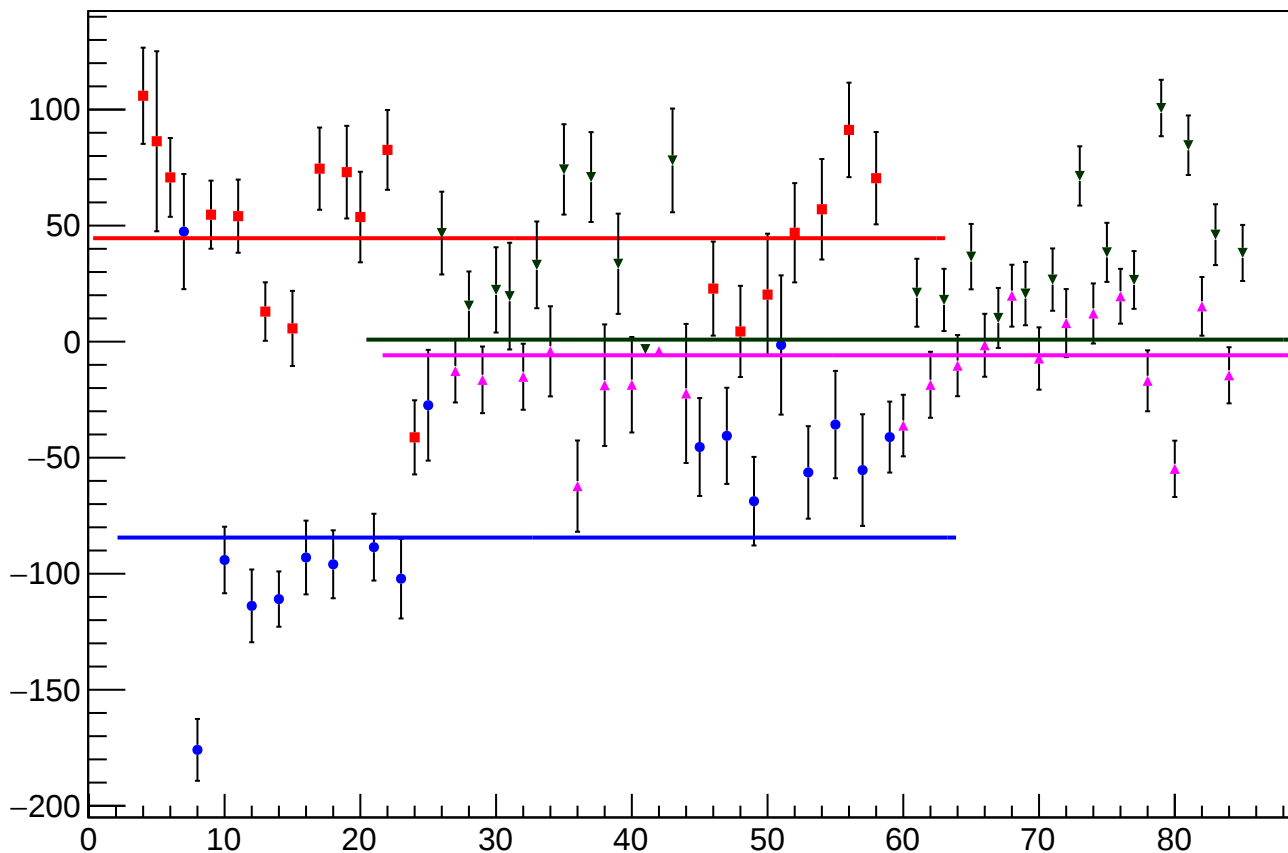
Right Out: 817.840+/-0.183 χ^2/NDF : 32410.2/18

Left In: 752.680+/-0.153 χ^2/NDF : 373817.1/21

787.742+/-0.116 χ^2/NDF : 463999.1/40

779.498+/-0.118 χ^2/NDF : 480685.1/40

diff_bpm0l02X_mean vs slug



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

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

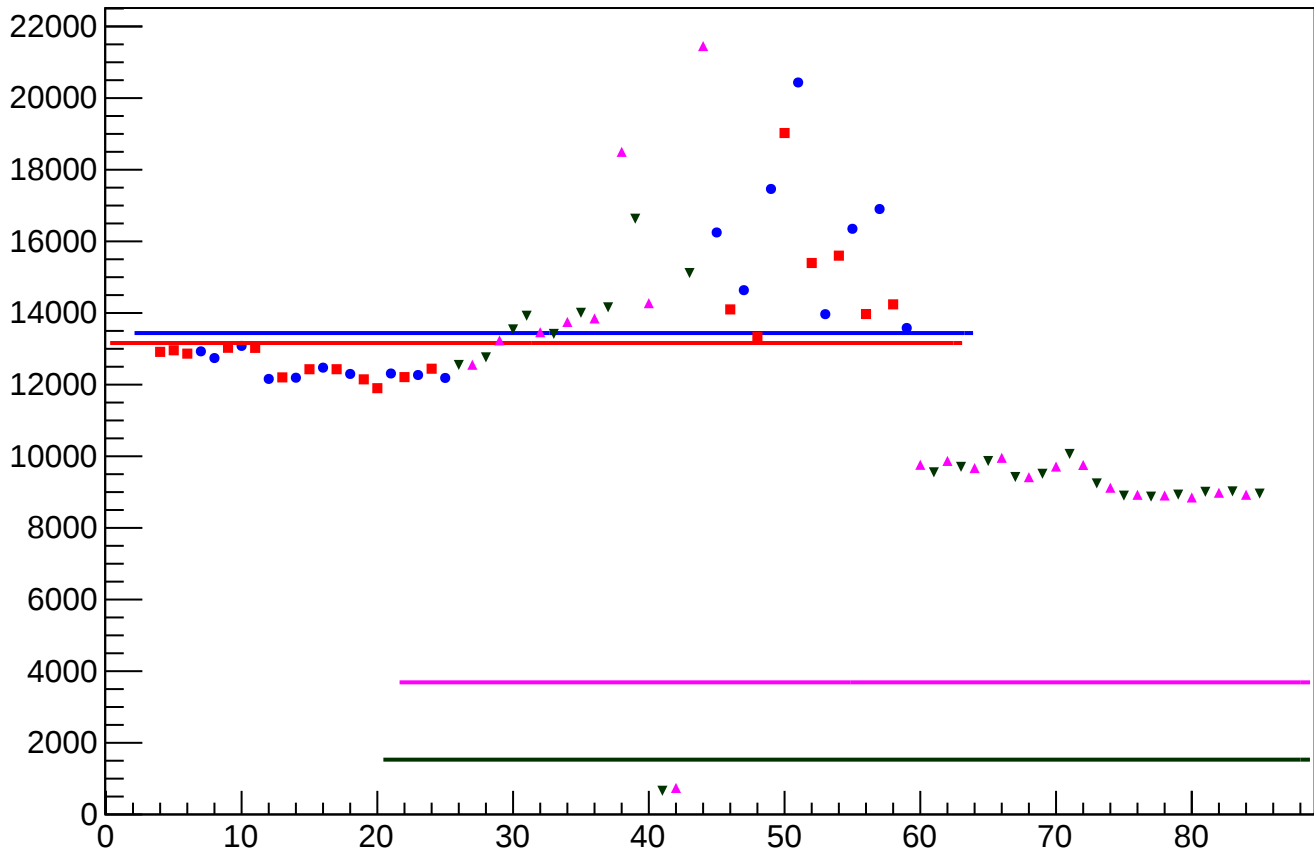
Right Out: 44.573 ± 4.203 χ^2/NDF : 77.6/18

Left In: -5.869 ± 1.722 χ^2/NDF : 48.8/21

-3.459 ± 0.914 χ^2/NDF : 805.8/40

1.382 ± 1.593 χ^2/NDF : 249.7/40

diff_bpm0l02X_rms vs slug



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

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

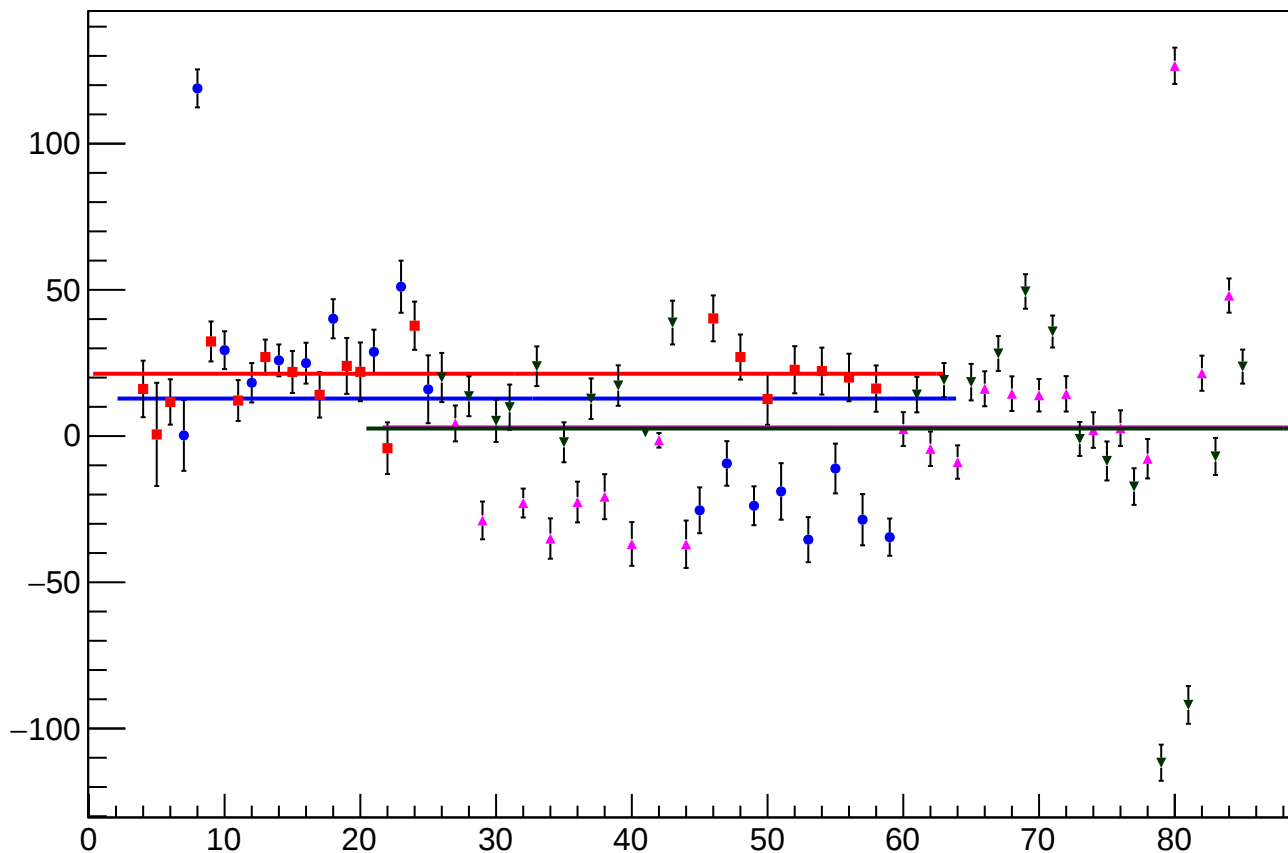
Right Out: 13162.769+/-2.972 χ^2/NDF : 204436.9/18

Left In: 3688.563+/-1.218 χ^2/NDF :14620651.7/21

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

5050.340+/-1.127 χ^2/NDF : 23528427.0/40

diff_bpm0l02Y_mean vs slug



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

Left Out: 2.587+/-0.923 χ^2/NDF : 771.5/22

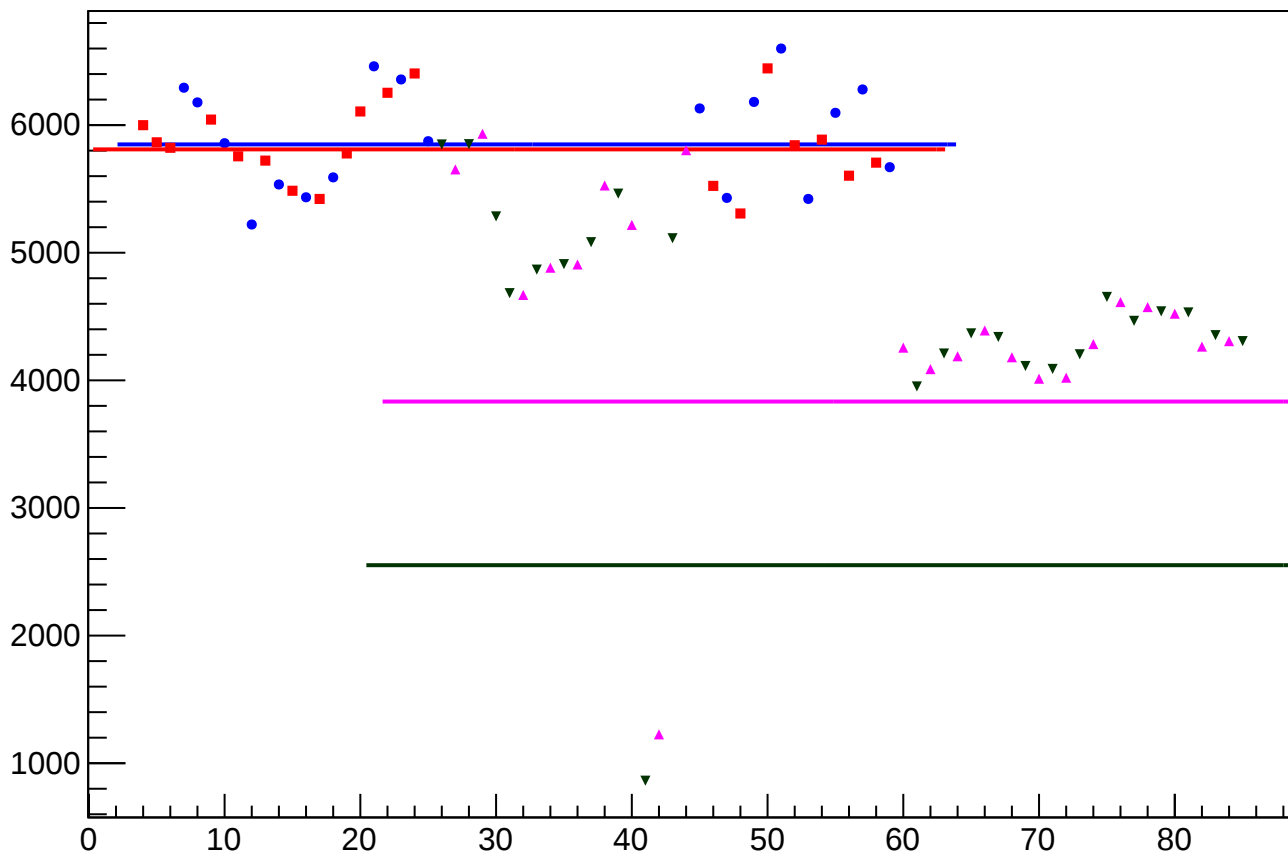
Right Out: 21.314+/-1.847 χ^2/NDF : 29.5/18

Left In: 2.984+/-1.188 χ^2/NDF : 651.6/21

4.811+/-0.817 χ^2/NDF : 1320.0/40

8.348+/-0.999 χ^2/NDF : 750.8/40

diff_bpm0l02Y_rms vs slug



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

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

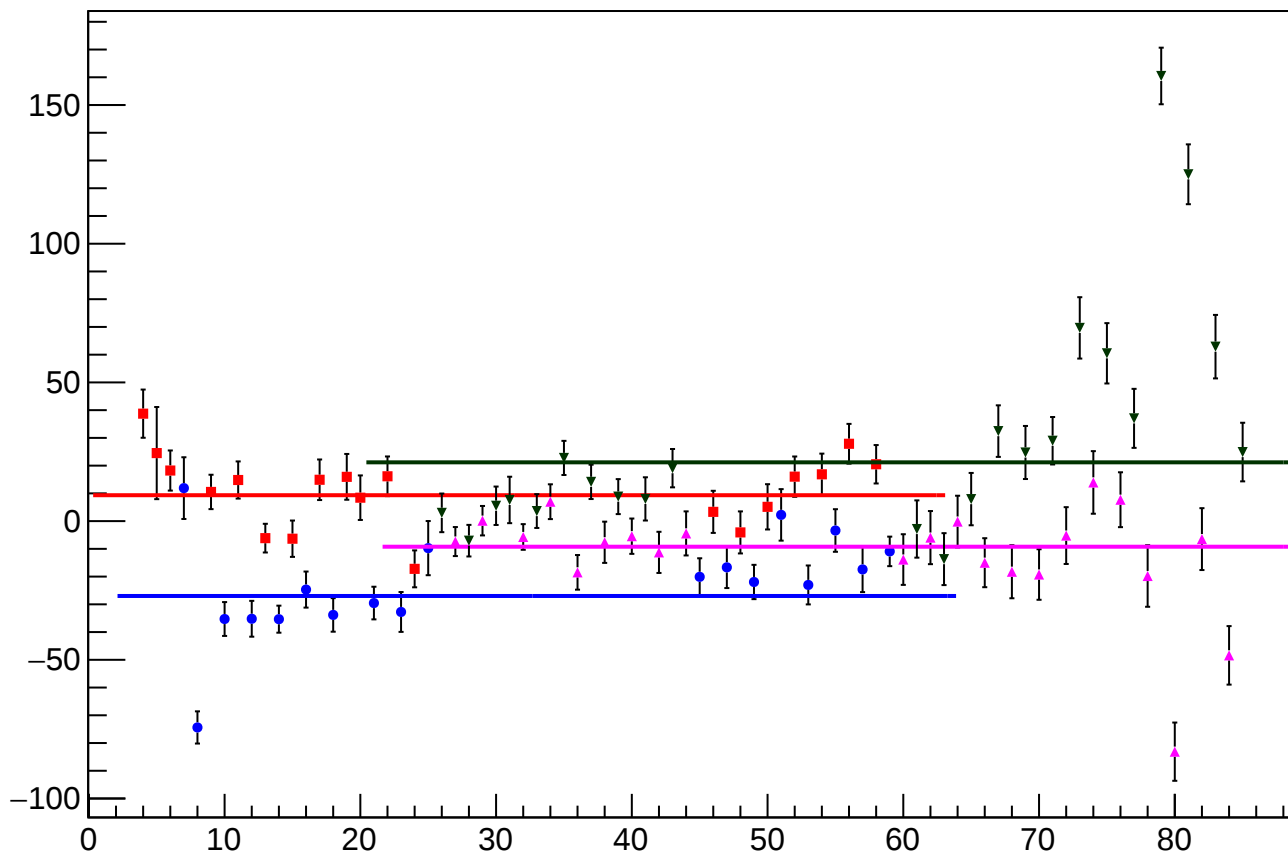
Right Out: 5809.767+/-1.306 χ^2/NDF : 53321.4/18

Left In: 3833.904+/-0.840 χ^2/NDF : 3180834.9/21

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

4412.120+/-0.707 χ^2/NDF : 4853184.6/40

diff_bpm0l03X_mean vs slug



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

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

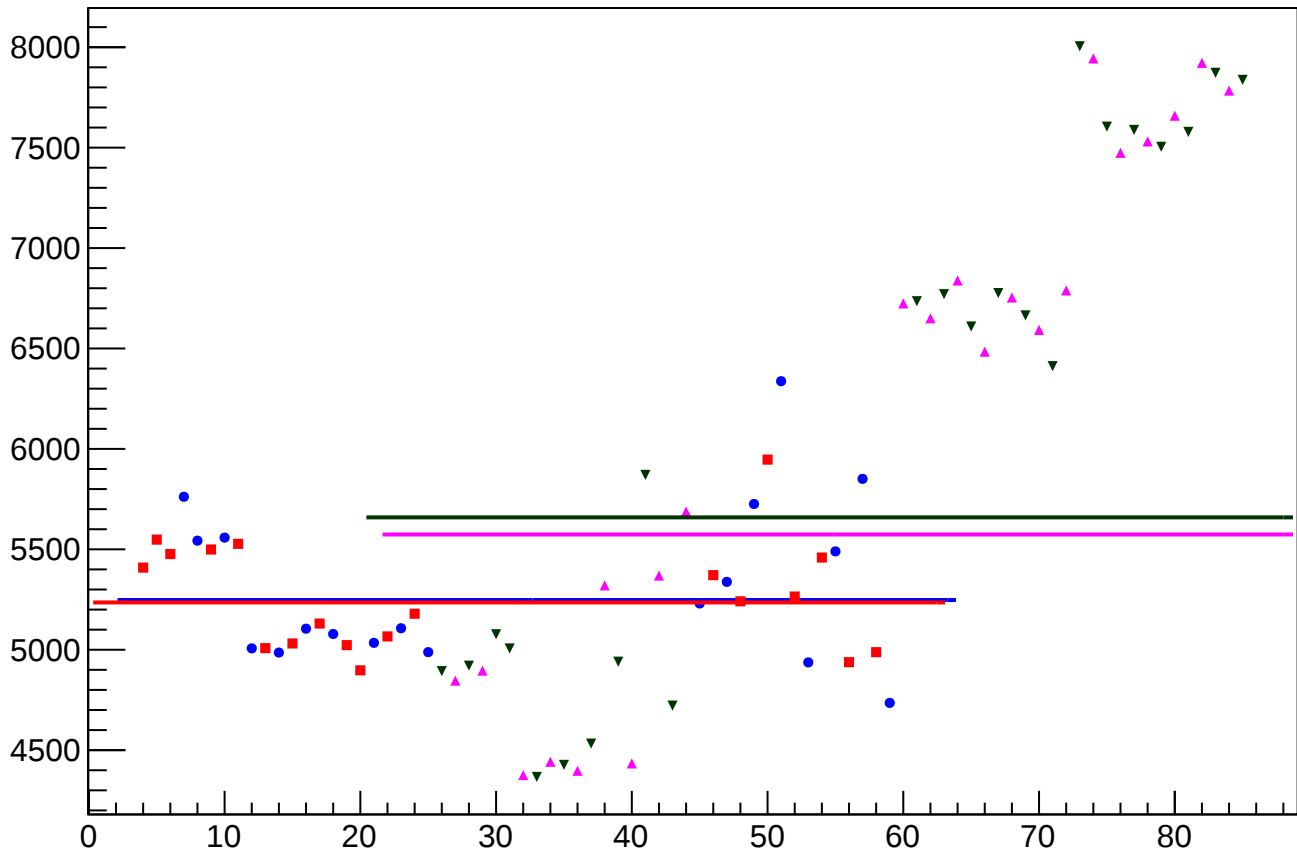
Right Out: 9.337 ± 1.659 $\chi^2/\text{NDF}: 62.4/18$

Left In: -9.228 ± 1.625 $\chi^2/\text{NDF}: 89.0/21$

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

-0.140 ± 1.161 $\chi^2/\text{NDF}: 215.3/40$

diff_bpm0l03X_rms vs slug



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

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

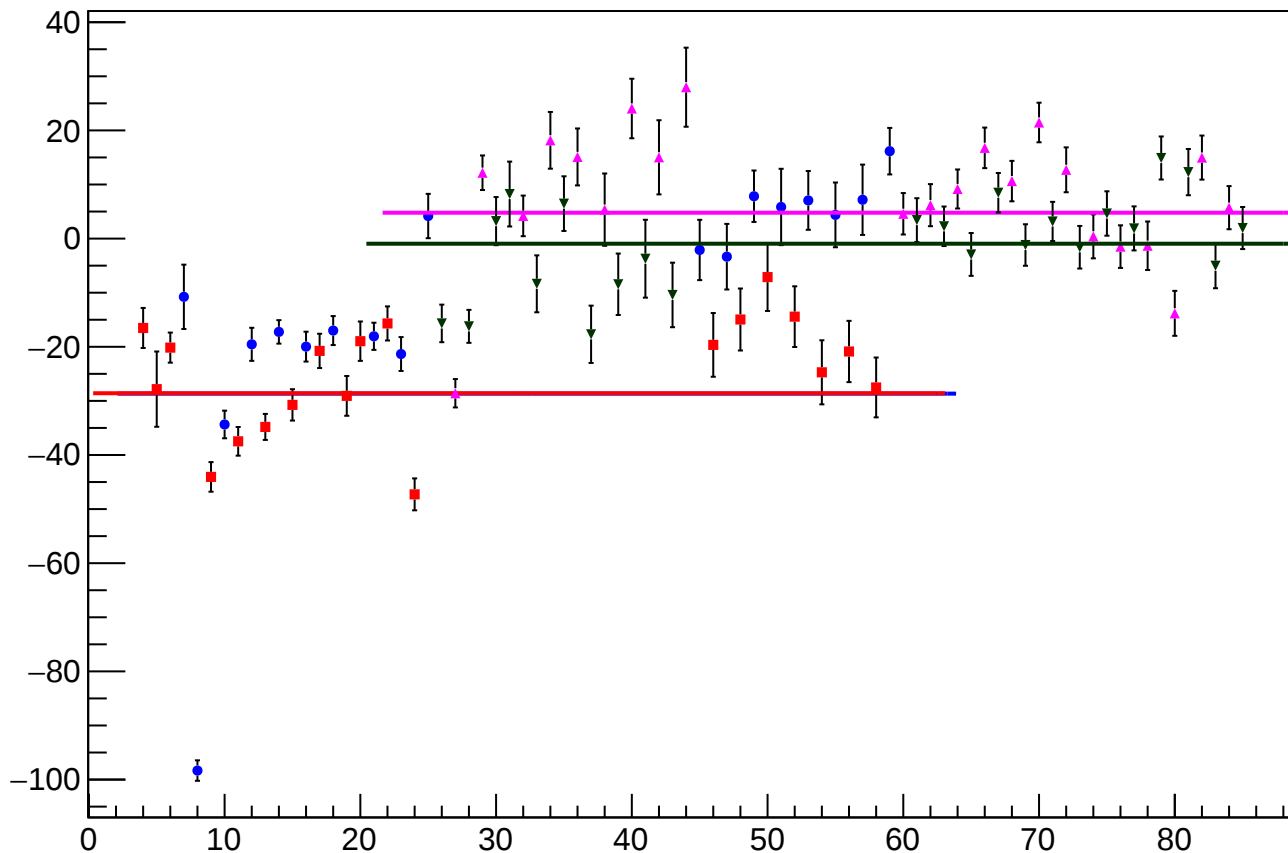
Right Out: 5235.469+/-1.173 χ^2/NDF : 47165.0/18

Left In: 5573.910+/-1.149 χ^2/NDF : 1088348.8/21

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

5408.228+/-0.821 χ^2/NDF : 1177975.9/40

diff_bpm0l03Y_mean vs slug



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

Left Out: -0.944 ± 0.876 χ^2/NDF : 104.4/22

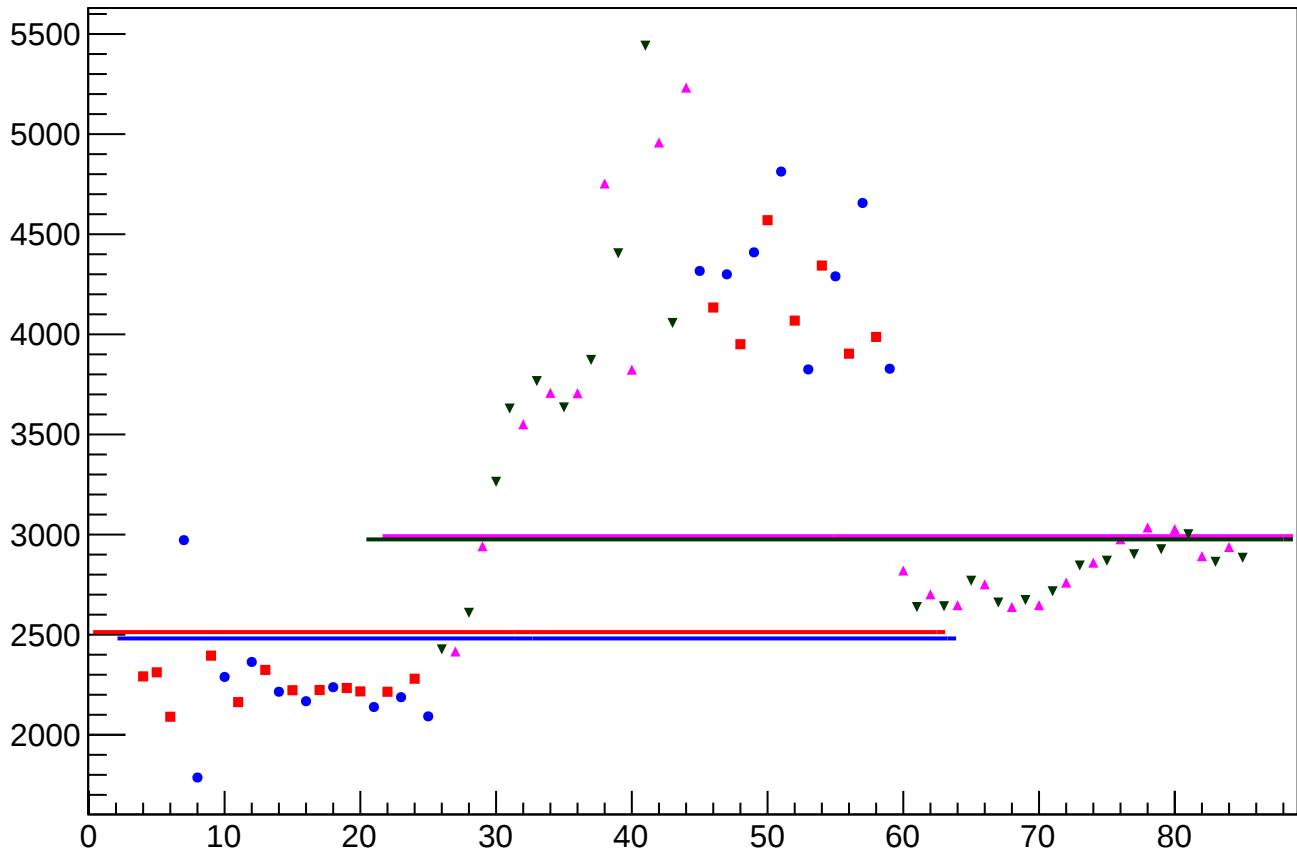
Right Out: -28.584 ± 0.826 χ^2/NDF : 168.7/18

Left In: 4.785 ± 0.869 χ^2/NDF : 273.1/21

-16.365 ± 0.583 χ^2/NDF : 2518.9/40

-12.732 ± 0.599 χ^2/NDF : 1216.3/40

diff_bpm0l03Y_rms vs slug



Right In: 2481.193 $\pm$ 0.553 χ^2 /NDF: 2112375.4/17

Left Out: 2975.866 $\pm$ 0.619 χ^2 /NDF: 755542.1/22

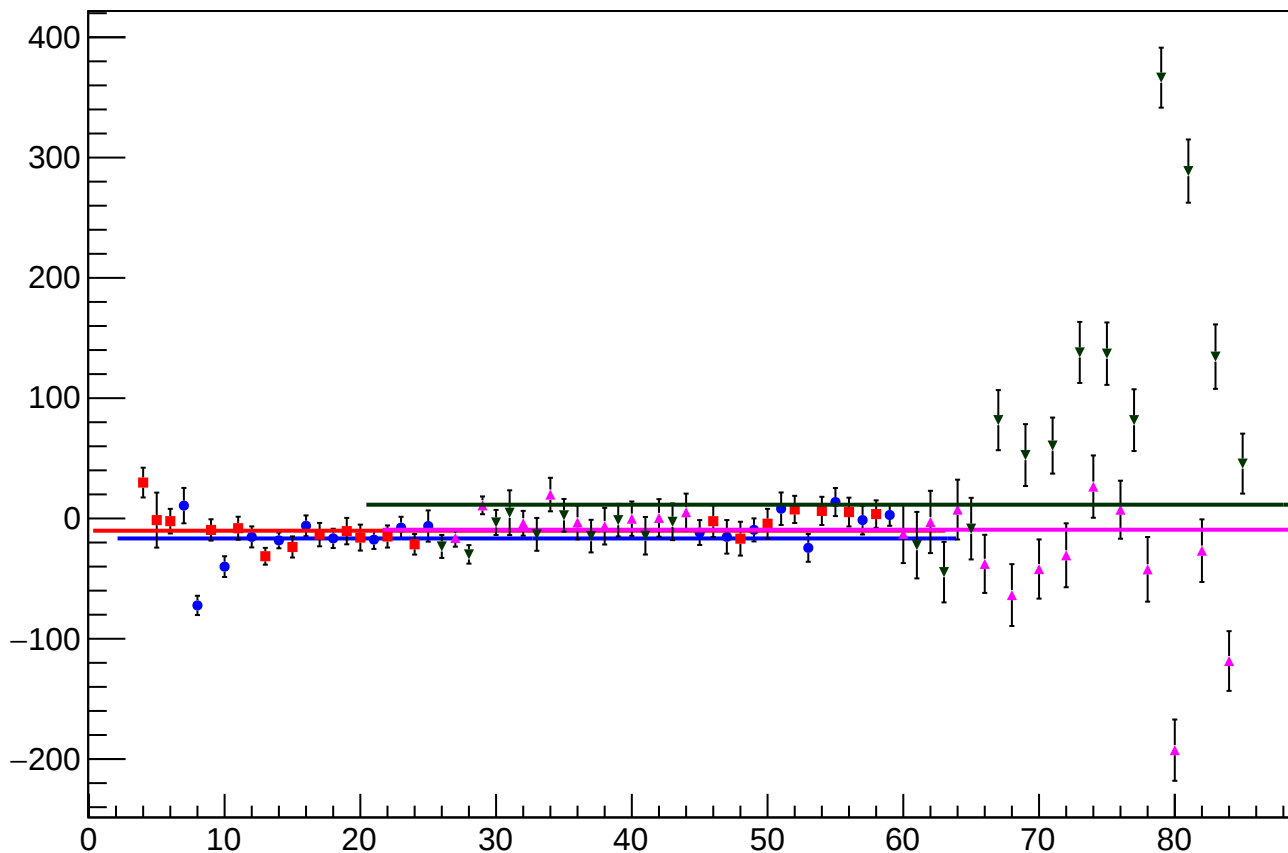
2700.605 $\pm$ 0.413 χ^2 /NDF: 3222838.2/40

Right Out: 2512.934 $\pm$ 0.584 χ^2 /NDF: 1298593.5/18

2740.584 $\pm$ 0.423 χ^2 /NDF: 2458225.5/40

Left In: 2992.138 $\pm$ 0.614 χ^2 /NDF: 840172.0/21

diff_bpm0l04X_mean vs slug



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

Left Out: 11.440 ± 3.333 χ^2/NDF : 470.9/22

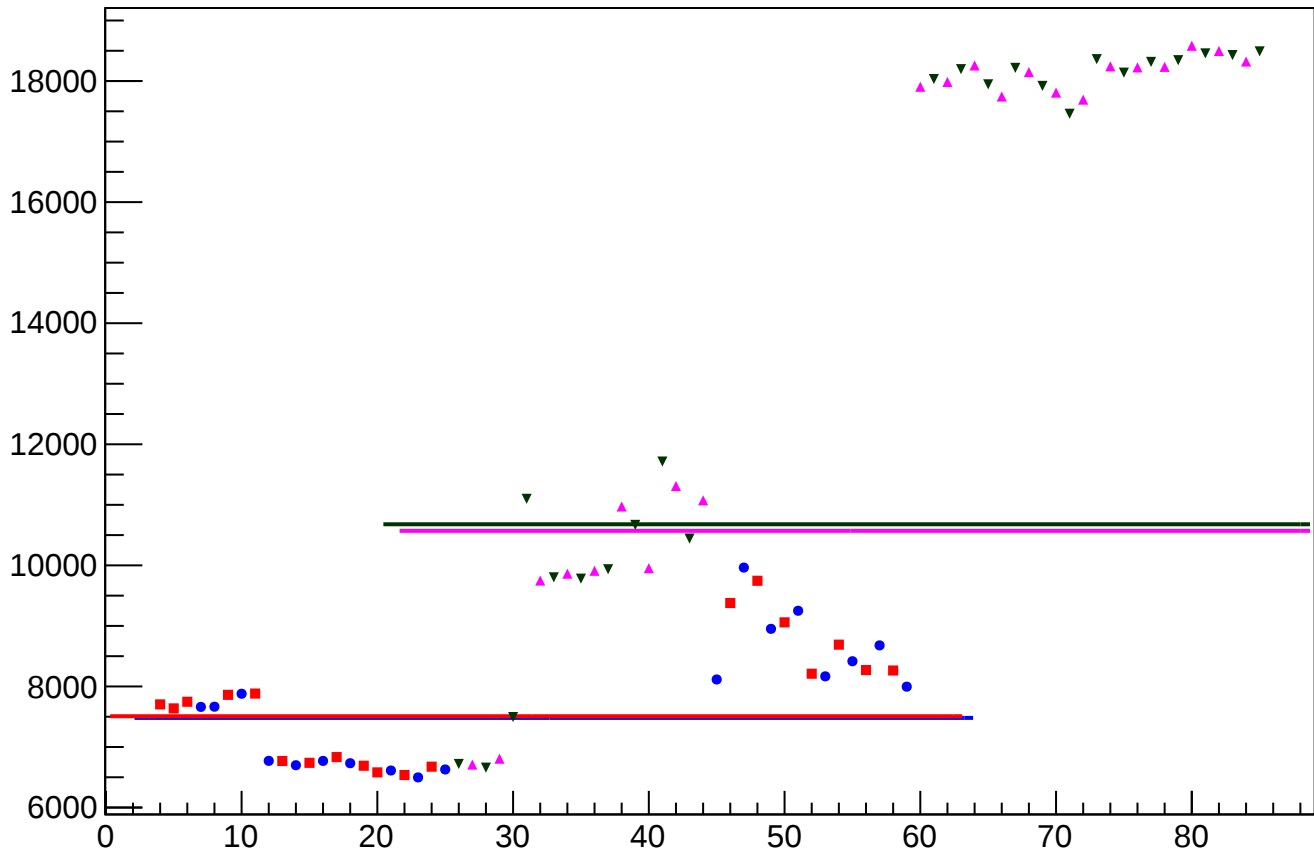
Right Out: -10.172 ± 2.389 χ^2/NDF : 33.7/18

Left In: -9.357 ± 3.246 χ^2/NDF : 99.2/21

-7.875 ± 1.860 χ^2/NDF : 599.5/40

-9.886 ± 1.924 χ^2/NDF : 132.9/40

diff_bpm0l04X_rms vs slug



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

Left Out: 10678.863+/-2.357 χ^2/NDF : 3353949.5/22

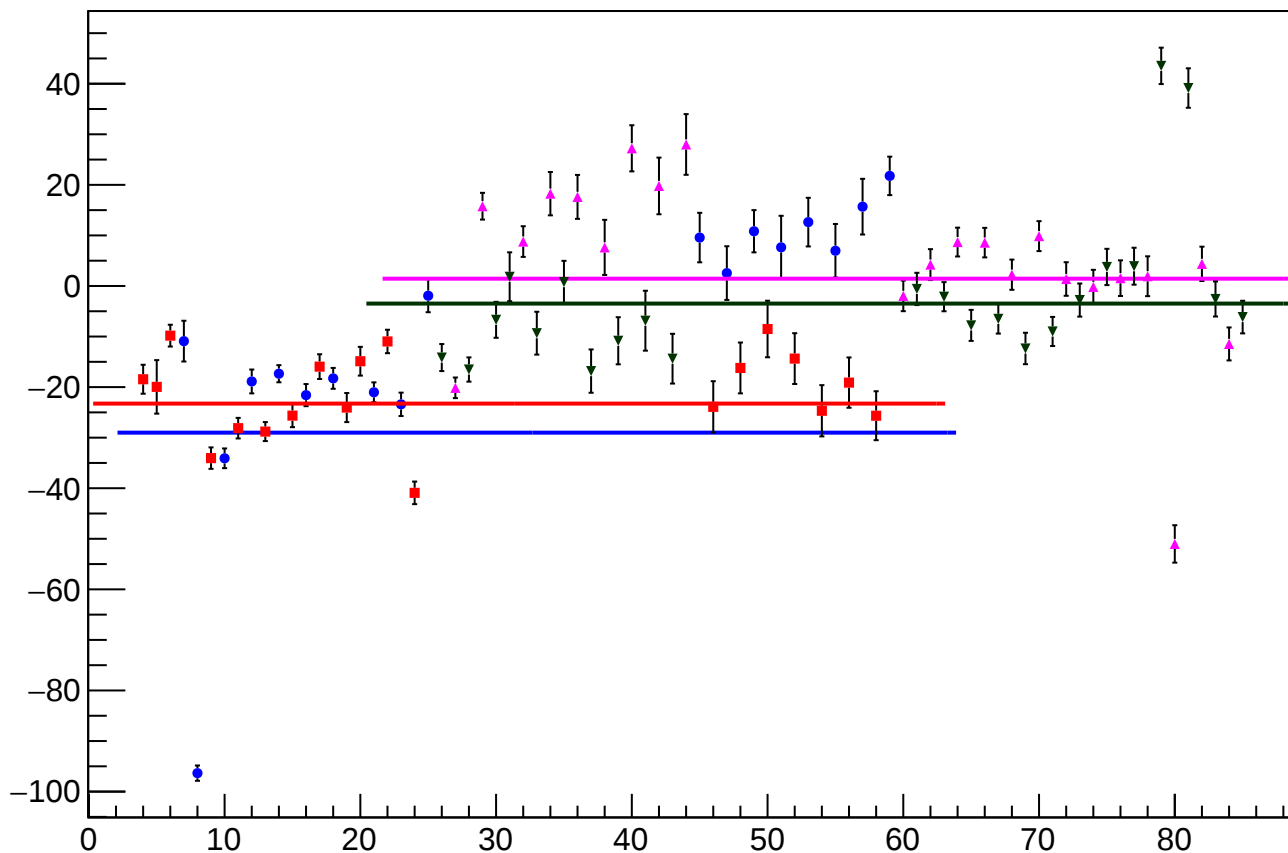
8476.773+/-1.315 χ^2/NDF : 4956585.1/40

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

8583.977+/-1.361 χ^2/NDF : 4888085.5/40

Left In: 10570.335+/-2.296 χ^2/NDF : 3444351.6/21

diff_bpm0l04Y_mean vs slug



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

Left Out: -3.482 ± 0.715 χ^2/NDF : 382.9/22

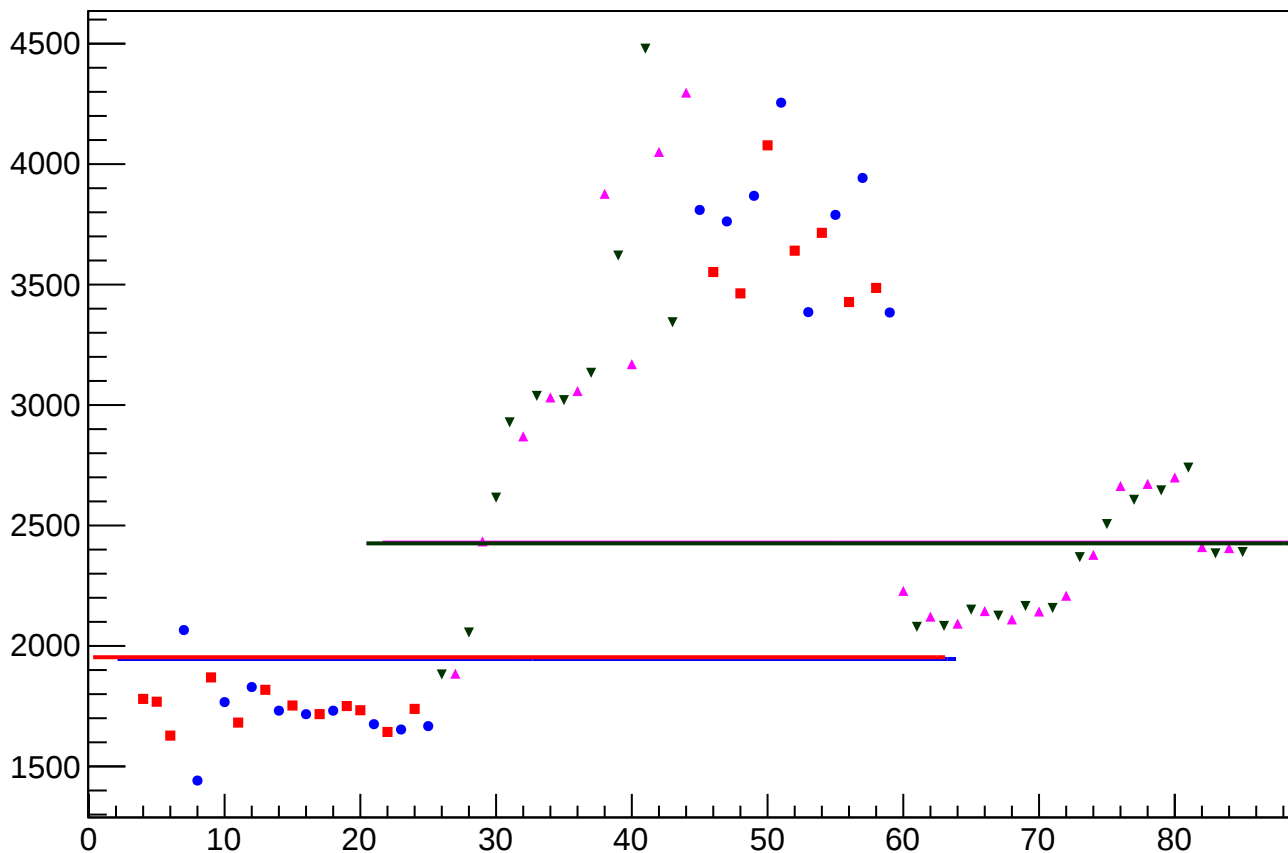
Right Out: -23.263 ± 0.648 χ^2/NDF : 204.8/18

Left In: 1.442 ± 0.707 χ^2/NDF : 480.4/21

-18.094 ± 0.468 χ^2/NDF : 3903.4/40

-11.984 ± 0.478 χ^2/NDF : 1348.9/40

diff_bpm0l04Y_rms vs slug



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

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

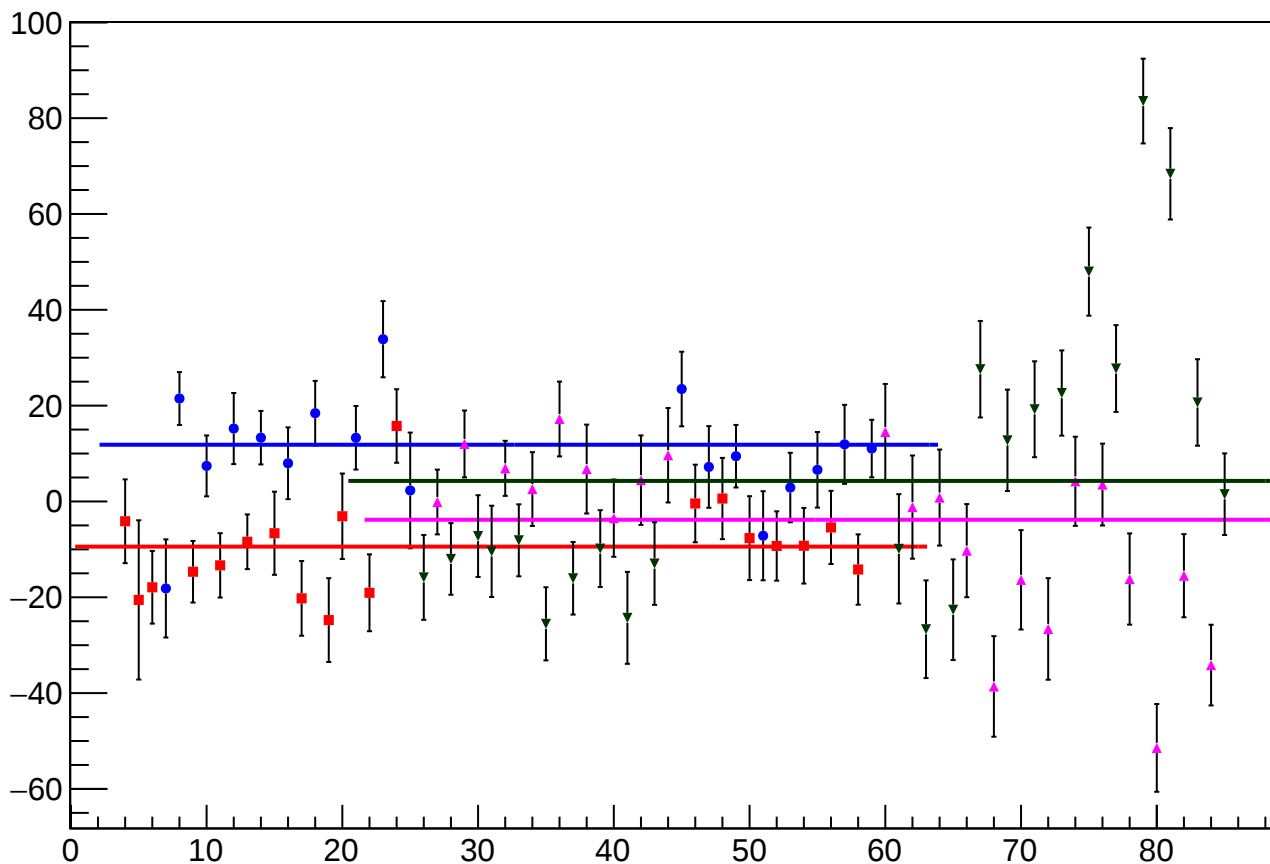
Right Out: 1953.157+/-0.458 χ^2/NDF : 1725858.1/18

Left In: 2429.119+/-0.500 χ^2/NDF : 975414.3/21

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

2170.449+/-0.338 χ^2/NDF : 3193948.4/40

diff_bpm0l05X_mean vs slug



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

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

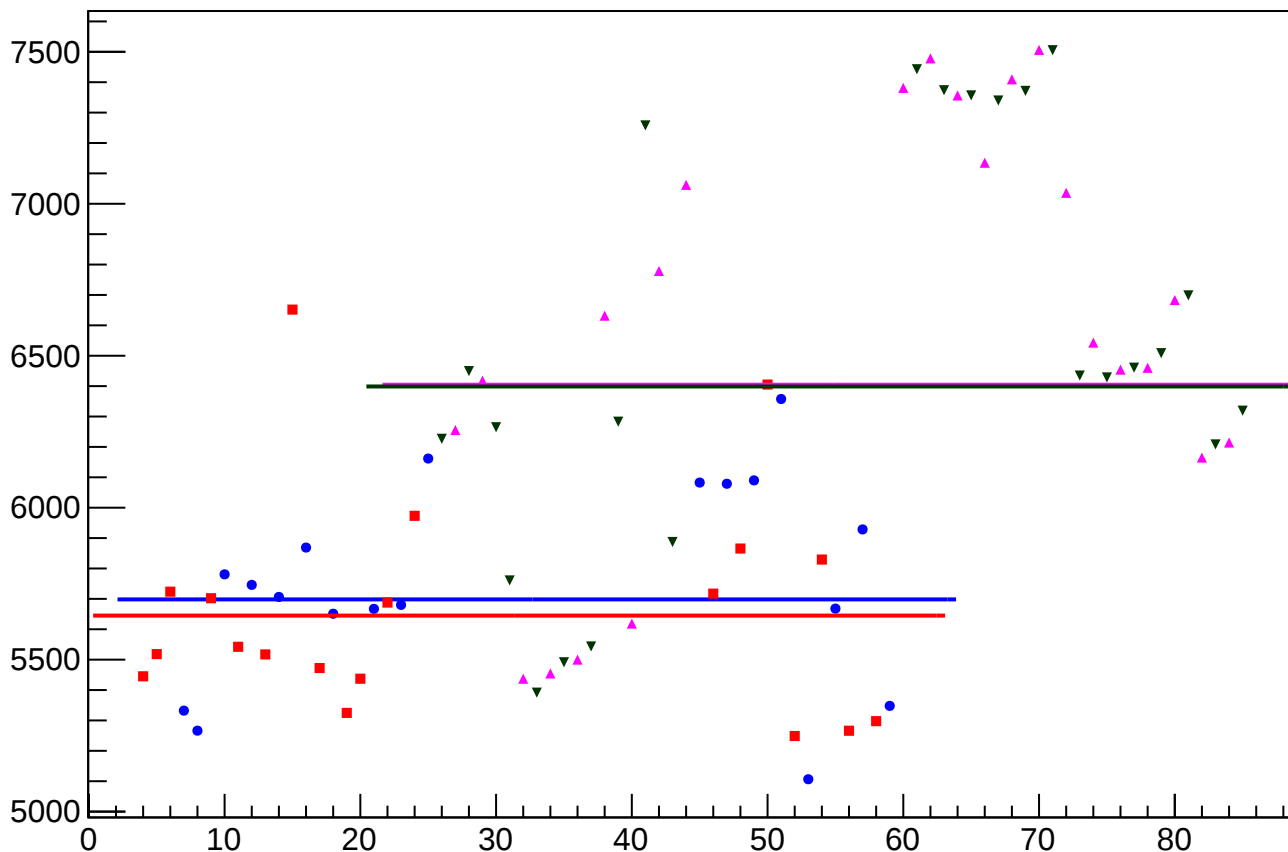
Right Out: -9.425 ± 1.790 $\chi^2/\text{NDF}: 24.3/18$

Left In: -3.819 ± 1.836 $\chi^2/\text{NDF}: 86.9/21$

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

-6.693 ± 1.282 $\chi^2/\text{NDF}: 116.0/40$

diff_bpm0l05X_rms vs slug



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

Left Out: 6398.836+/-1.315 χ^2/NDF : 237612.7/22

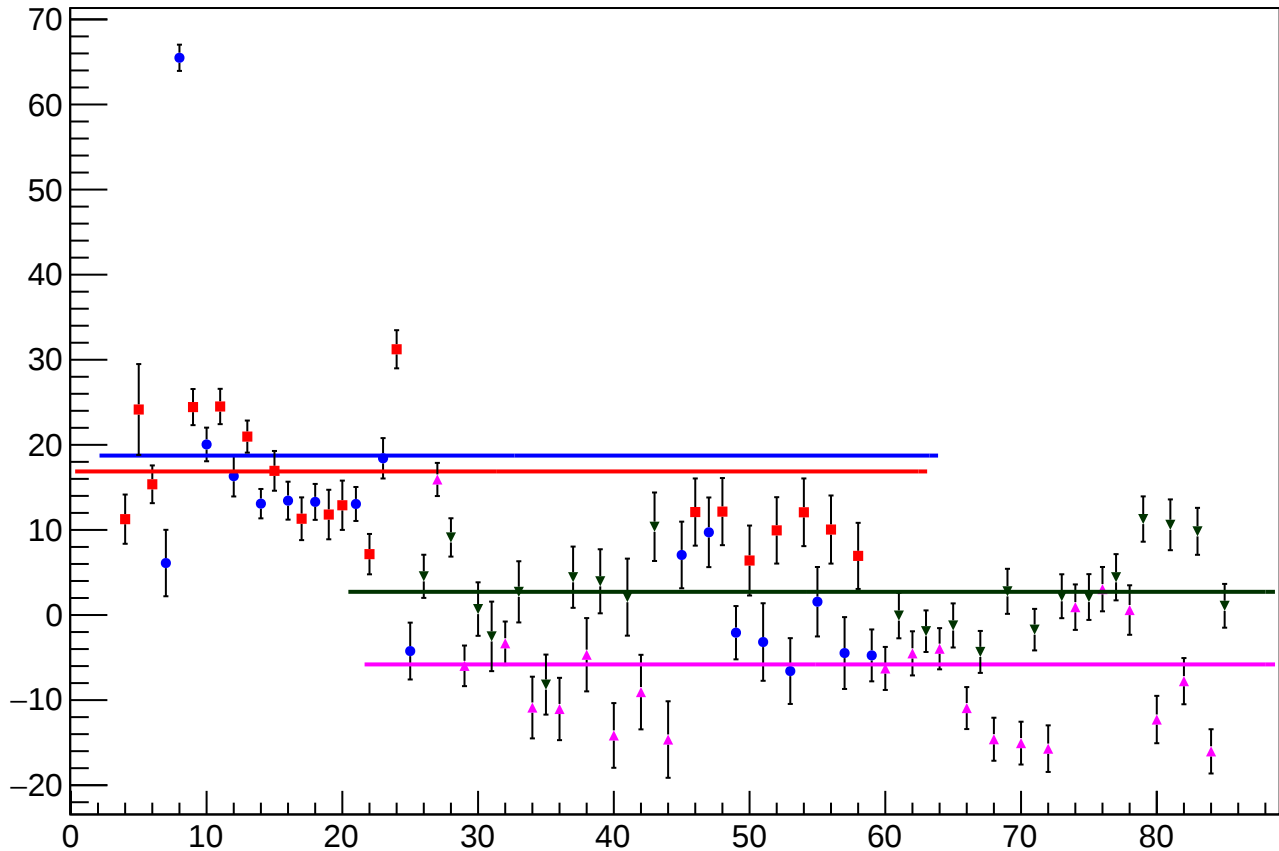
Right Out: 5644.999+/-1.266 χ^2/NDF : 71475.4/18

Left In: 6404.670+/-1.298 χ^2/NDF : 268448.9/21

6017.513+/-0.887 χ^2/NDF : 459412.5/40

6015.245+/-0.906 χ^2/NDF : 515495.7/40

diff_bpm0l05Y_mean vs slug



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

Left Out: 2.726 $\pm$ 0.595 χ^2 /NDF: 67.5/22

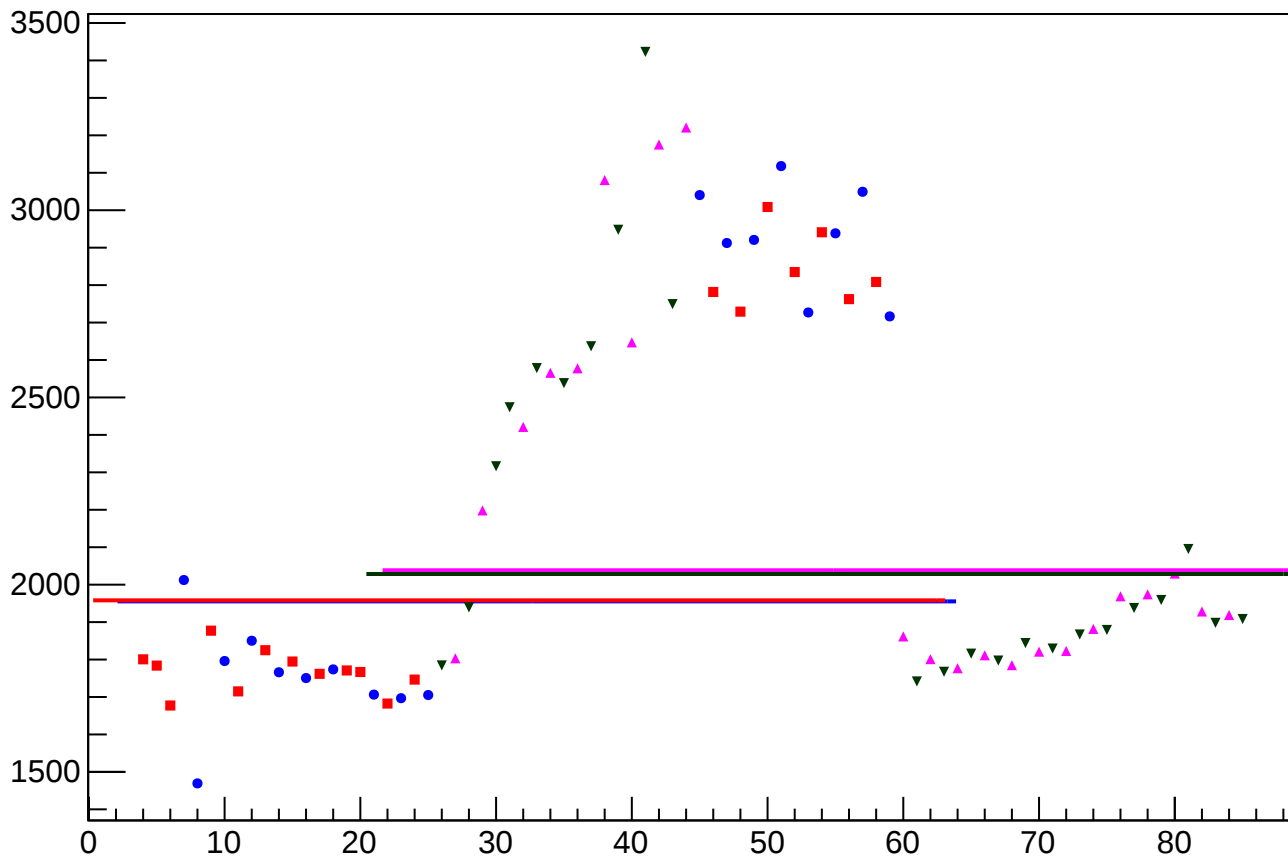
Right Out: 16.874 $\pm$ 0.633 χ^2 /NDF: 128.0/18

Left In: -5.806 $\pm$ 0.590 χ^2 /NDF: 226.7/21

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

4.733 $\pm$ 0.432 χ^2 /NDF: 1041.4/40

diff_bpm0l05Y_rms vs slug



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

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

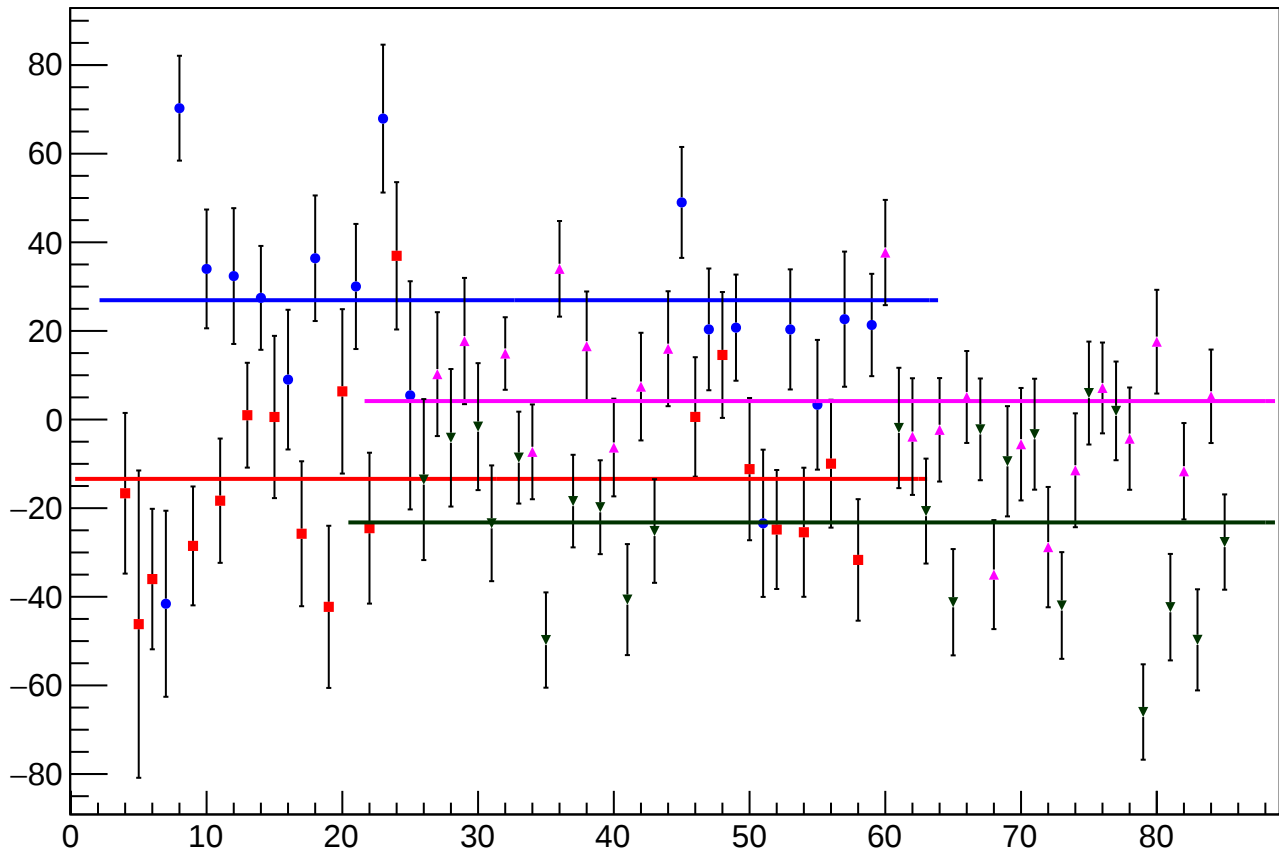
Right Out: 1958.115 $\pm$ 0.448 χ^2 /NDF: 858074.3/18

Left In: 2038.428 $\pm$ 0.417 χ^2 /NDF: 740939.6/21

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

2001.106 $\pm$ 0.305 χ^2 /NDF: 1616236.3/40

diff_bpm0l06X_mean vs slug



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

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

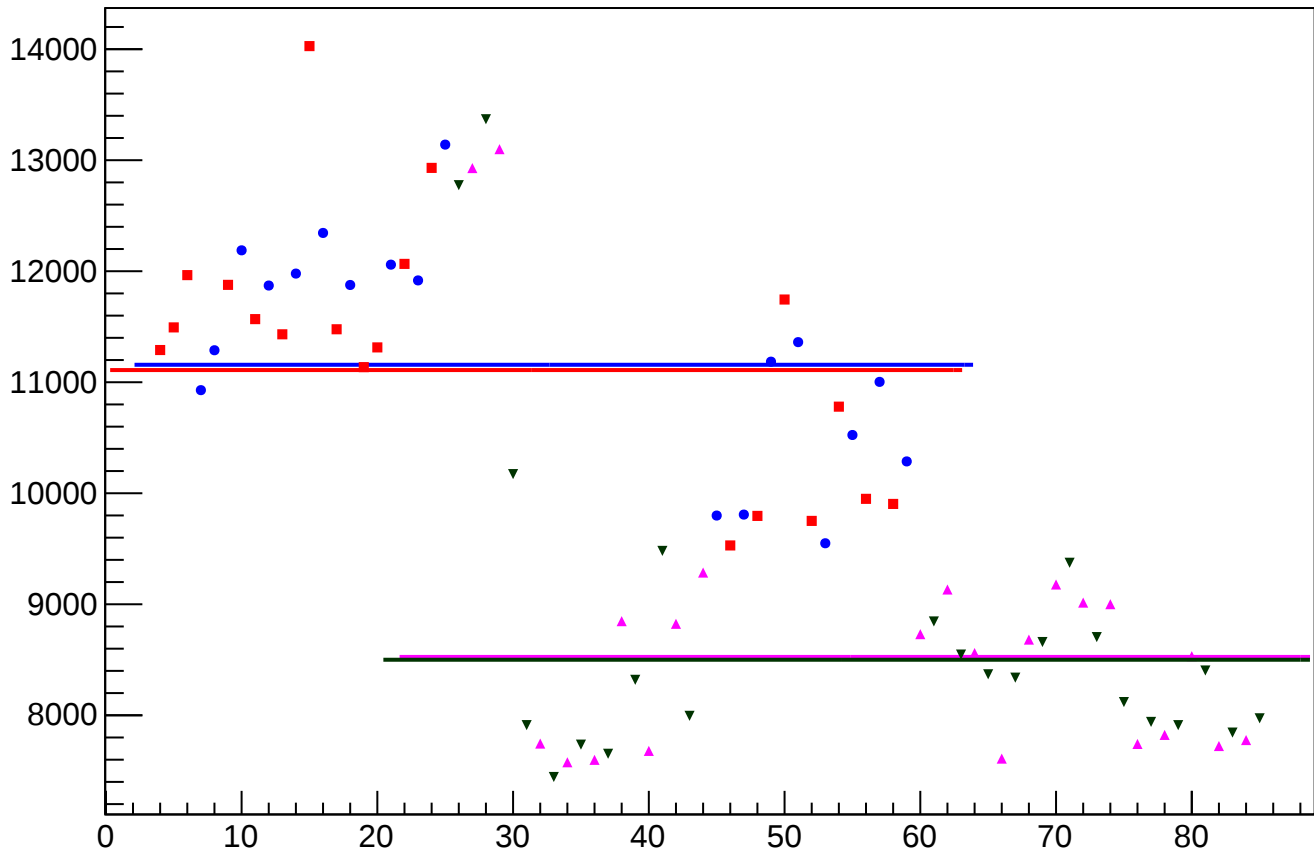
Right Out: -13.392 ± 3.535 $\chi^2/\text{NDF}: 28.4/18$

Left In: 4.169 ± 2.459 $\chi^2/\text{NDF}: 45.2/21$

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

-1.559 ± 2.019 $\chi^2/\text{NDF}: 90.3/40$

diff_bpm0l06X_rms vs slug



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

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

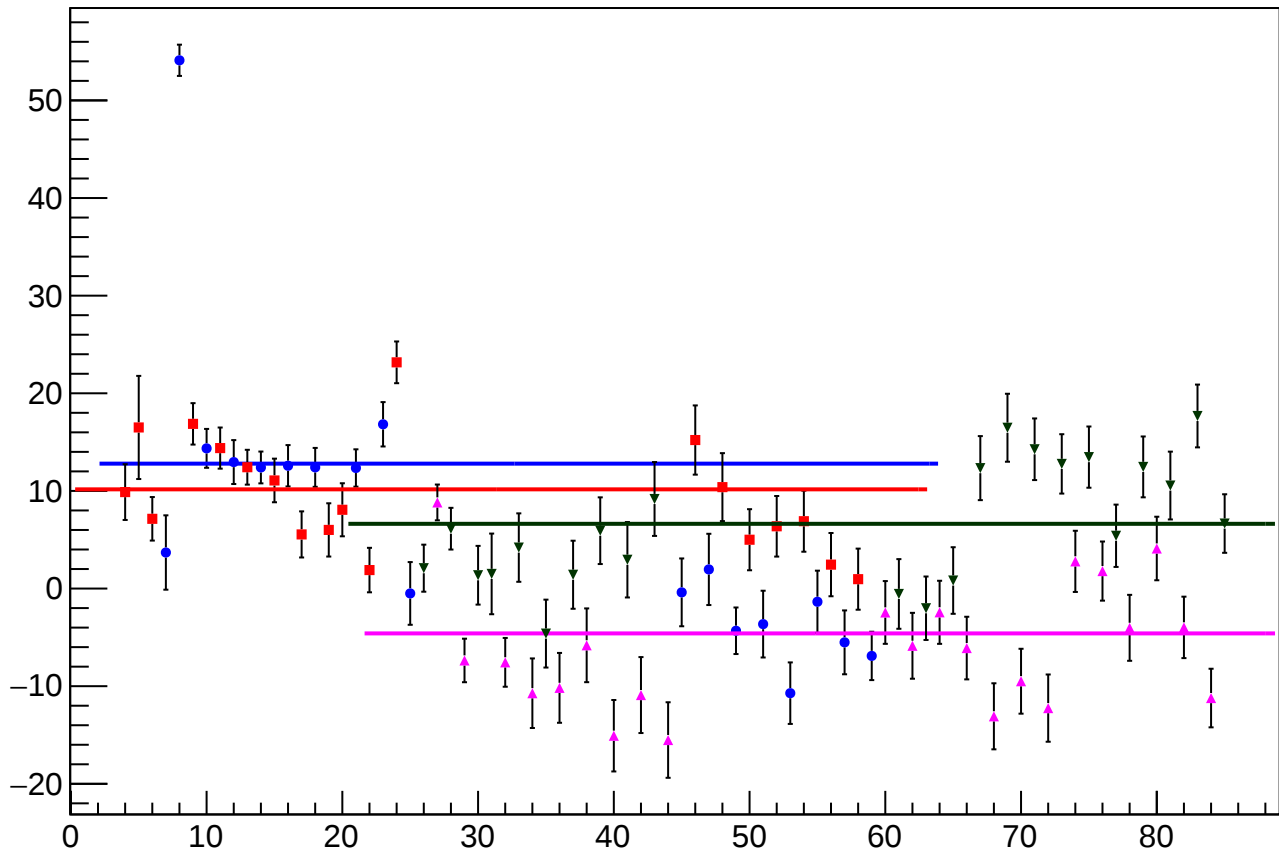
9448.710 $\pm$ 1.410 χ^2 /NDF: 1406003.6/40

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

9368.542 $\pm$ 1.427 χ^2 /NDF: 1462578.8/40

Left In: 8525.745 $\pm$ 1.739 χ^2 /NDF:546003.5/21

diff_bpm0l06Y_mean vs slug



Right In: 12.794 $\pm$ 0.559 χ^2 /NDF: 961.0/17

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

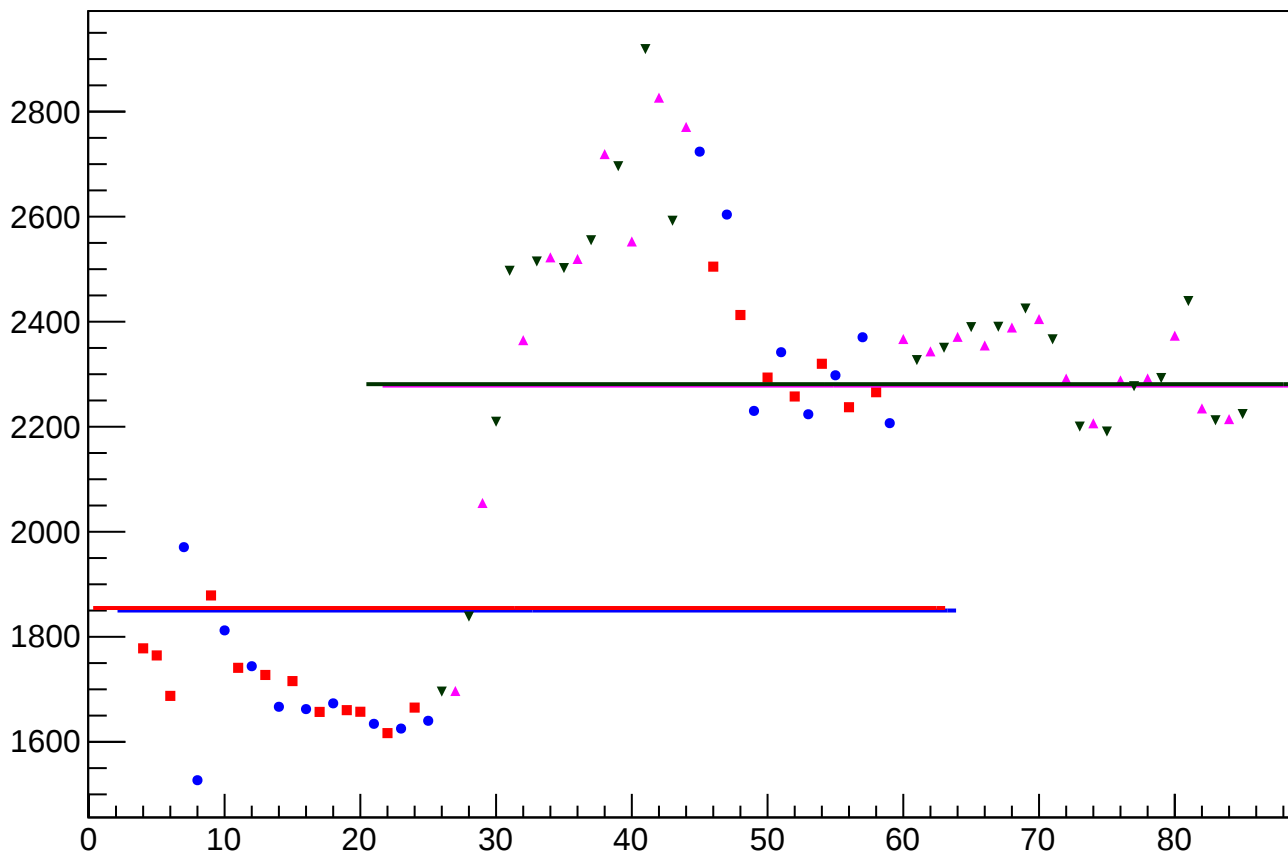
Right Out: 10.162 $\pm$ 0.592 χ^2 /NDF: 97.7/18

Left In: -4.594 $\pm$ 0.654 χ^2 /NDF: 117.5/21

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

3.512 $\pm$ 0.439 χ^2 /NDF: 494.9/40

diff_bpm0l06Y_rms vs slug



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

Left Out: 2281.056+/-0.470 χ^2/NDF : 356653.0/22

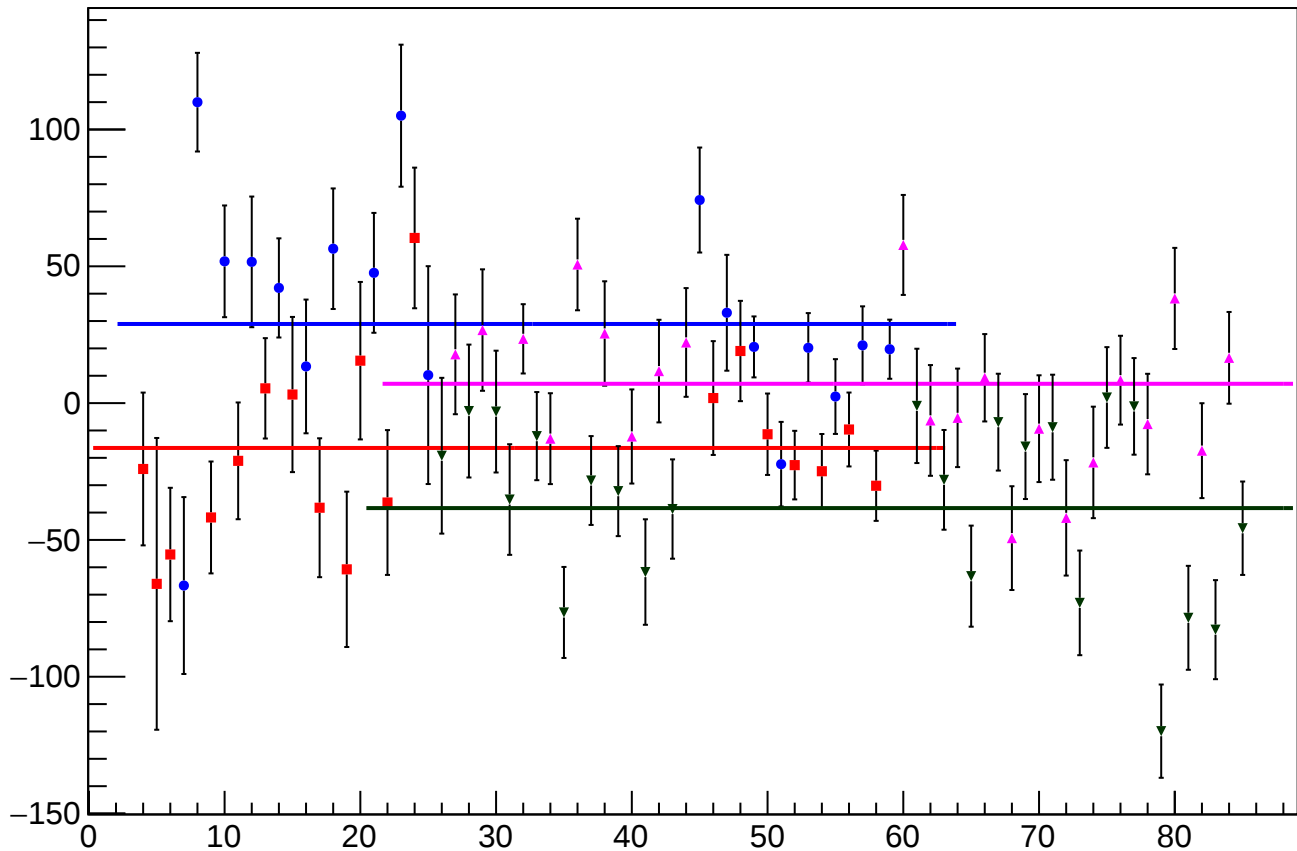
Right Out: 1854.854+/-0.419 χ^2/NDF : 407929.4/18

Left In: 2278.279+/-0.462 χ^2/NDF : 367056.3/21

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

2045.677+/-0.310 χ^2/NDF : 1235587.0/40

diff_bpm0l07X_mean vs slug



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

Left Out: -38.365 ± 3.877 $\chi^2/\text{NDF}: 73.3/22$

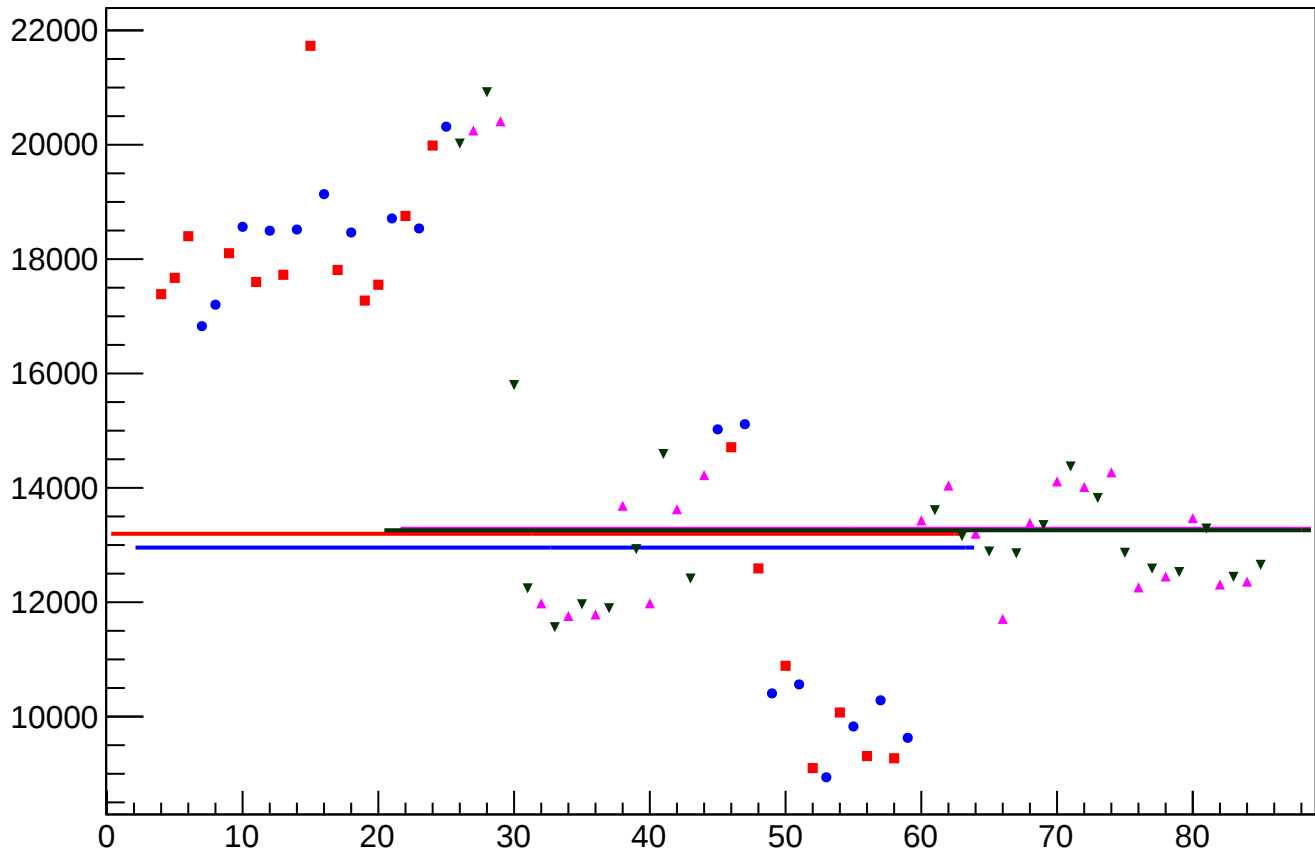
Right Out: -16.388 ± 4.377 $\chi^2/\text{NDF}: 27.5/18$

Left In: 7.064 ± 3.831 $\chi^2/\text{NDF}: 45.2/21$

-6.066 ± 2.796 $\chi^2/\text{NDF}: 283.6/40$

-3.109 ± 2.883 $\chi^2/\text{NDF}: 89.0/40$

diff_bpm0l07X_rms vs slug



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

Left Out: 13258.629 $\pm$ 2.741 χ^2 /NDF: 430993.4/22

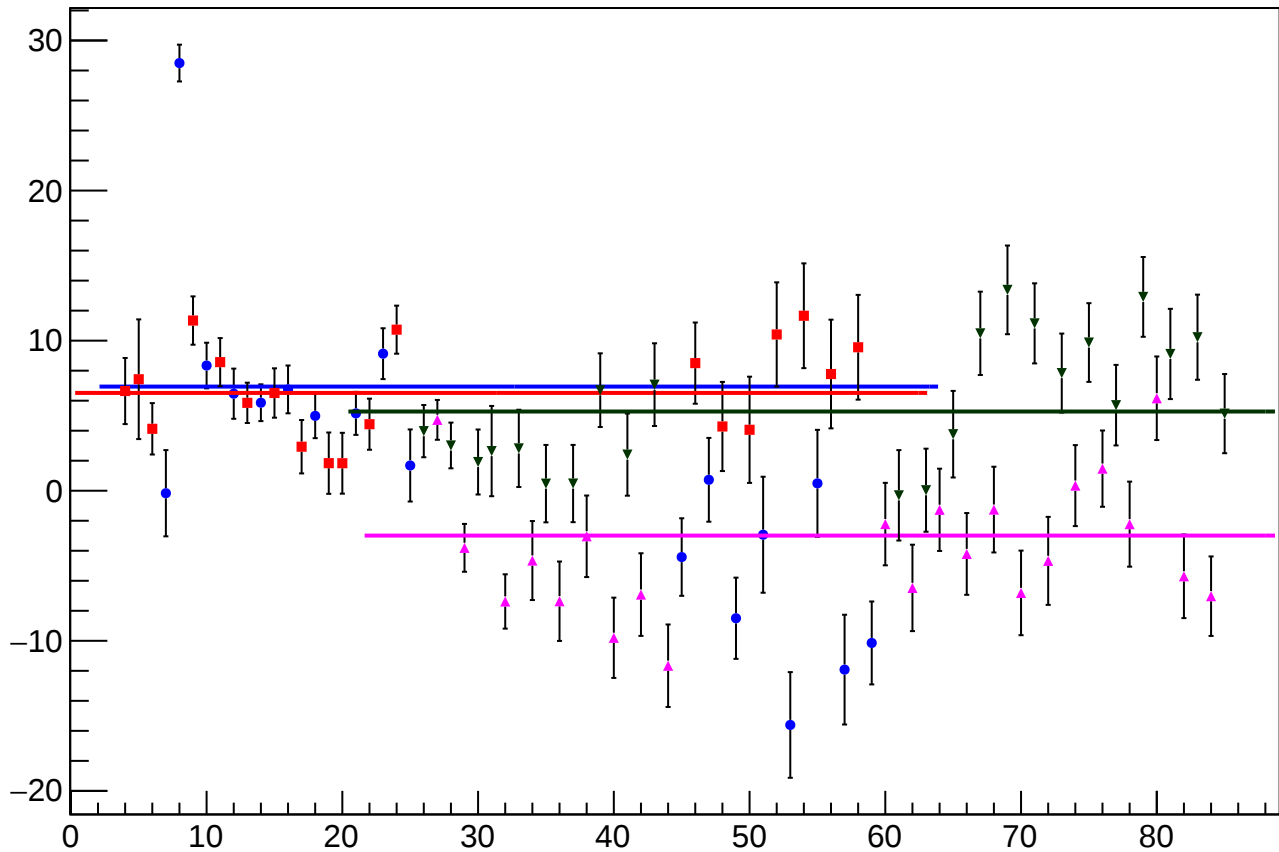
13113.325 $\pm$ 1.977 χ^2 /NDF: 2337481.2/40

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

13246.935 $\pm$ 2.038 χ^2 /NDF: 2306250.3/40

Left In: 13285.047 $\pm$ 2.709 χ^2 /NDF: 538041.3/21

diff_bpm0l07Y_mean vs slug



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

Left Out: 5.278 ± 0.523 χ^2/NDF : 55.8/22

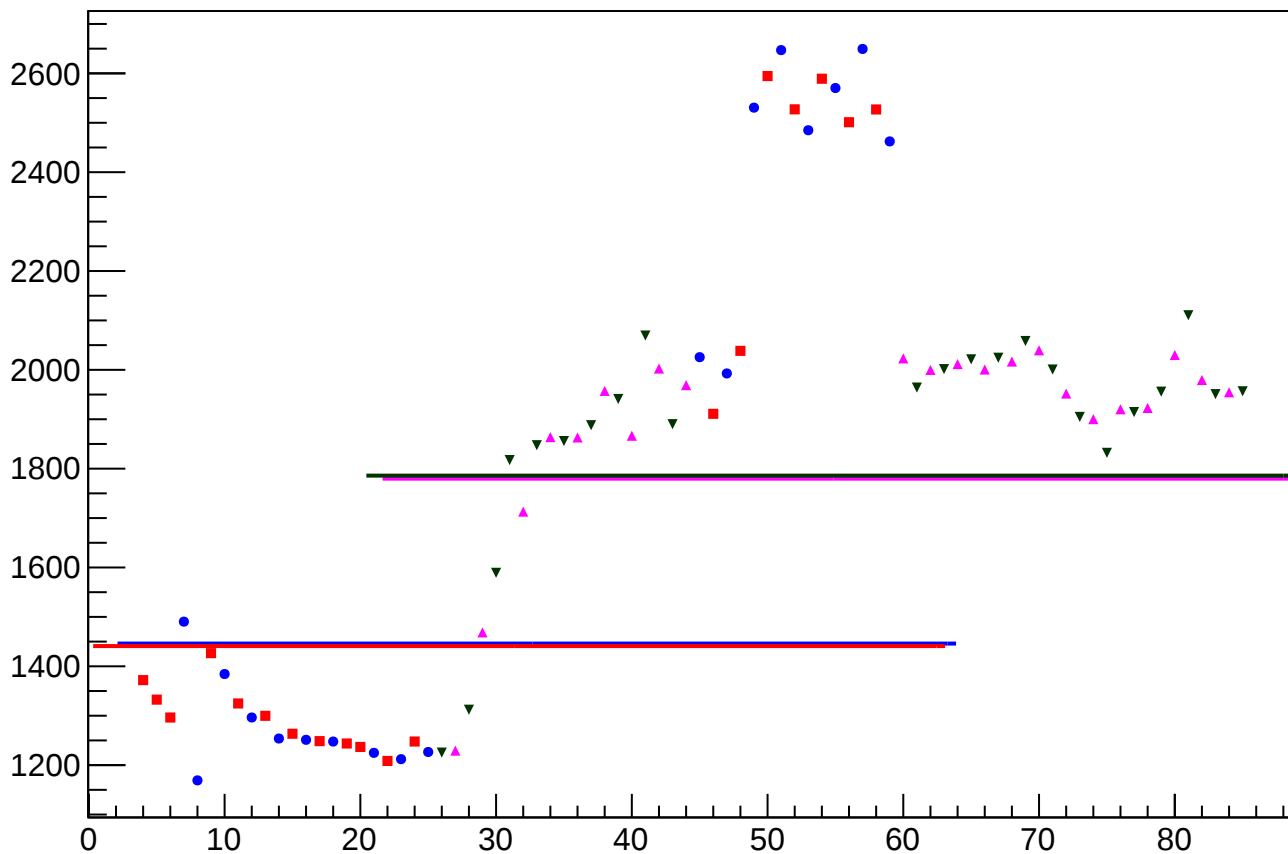
Right Out: 6.517 ± 0.472 χ^2/NDF : 41.8/18

Left In: -2.988 ± 0.513 χ^2/NDF : 84.9/21

6.232 ± 0.341 χ^2/NDF : 561.2/40

2.166 ± 0.347 χ^2/NDF : 312.7/40

diff_bpm0l07Y_rms vs slug



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

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

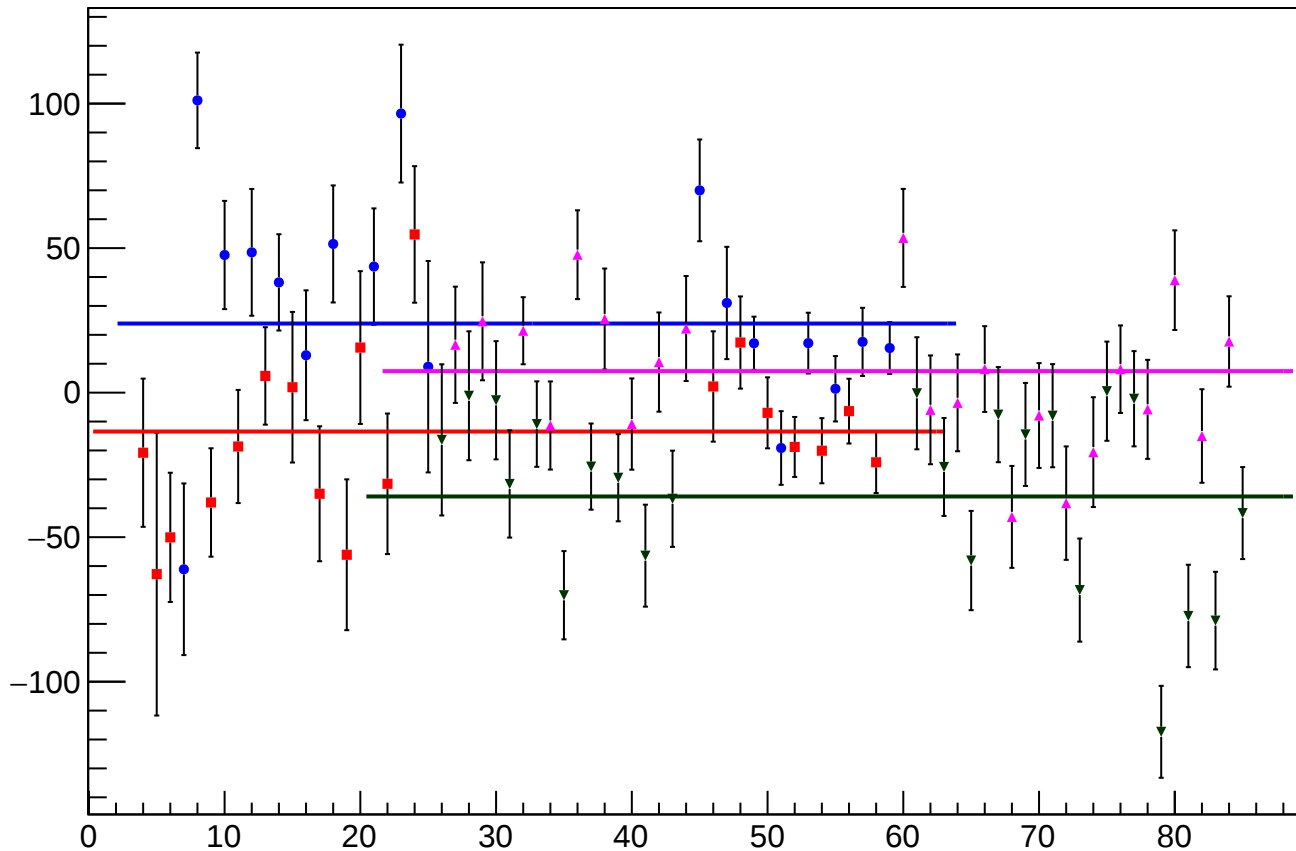
Right Out: 1440.962+/-0.333 χ^2/NDF : 1333198.7/18

Left In: 1779.754+/-0.363 χ^2/NDF : 602700.7/21

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

1596.040+/-0.246 χ^2/NDF : 2408383.1/40

diff_bpm0l08X_mean vs slug



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

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

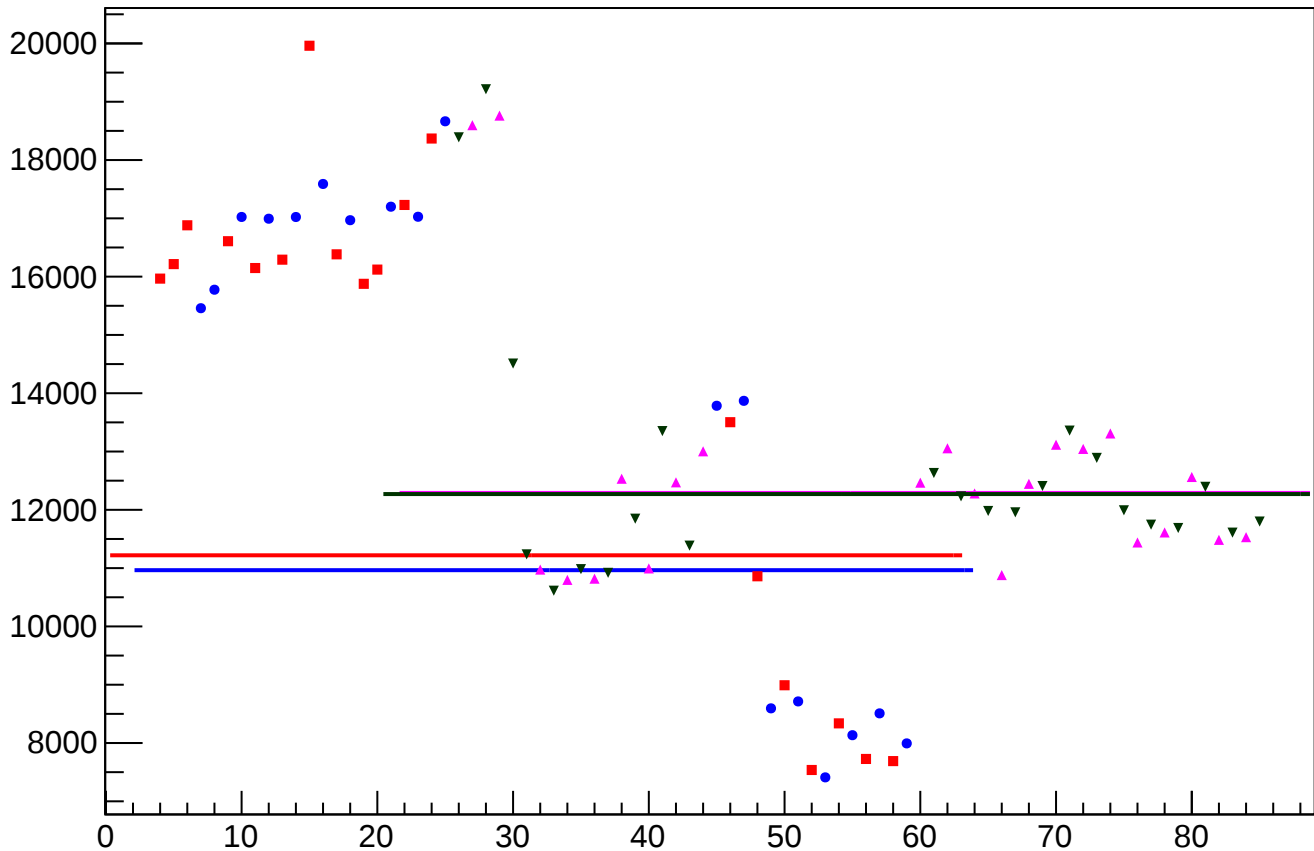
Right Out: -13.450 ± 3.783 χ^2/NDF : 27.5/18

Left In: 7.443 ± 3.543 χ^2/NDF : 45.0/21

-5.010 ± 2.494 χ^2/NDF : 292.5/40

-2.321 ± 2.586 χ^2/NDF : 88.7/40

diff_bpm0l08X_rms vs slug



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

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

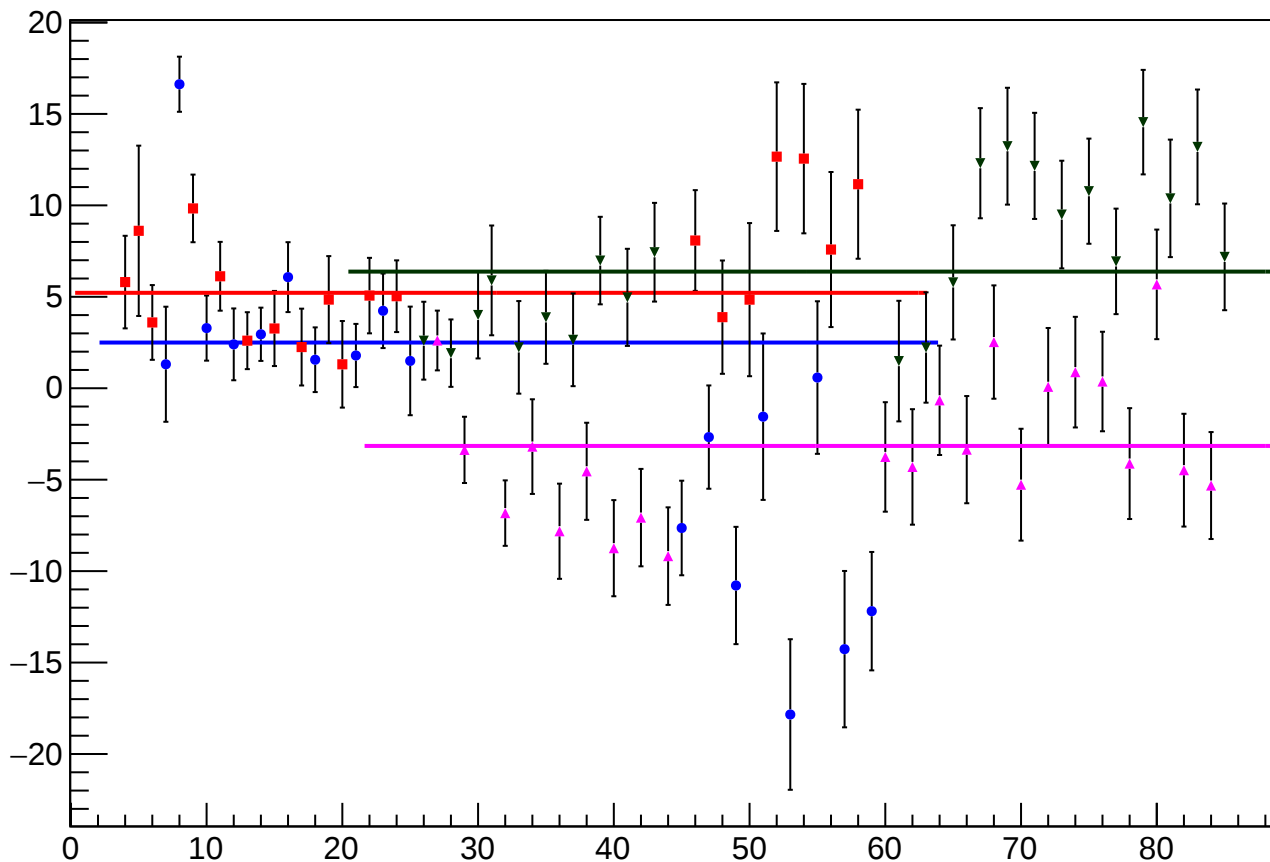
11595.838 $\pm$ 1.764 χ^2 /NDF: 3113933.3/40

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

11789.784 $\pm$ 1.829 χ^2 /NDF: 2961769.4/40

Left In: 12289.687 $\pm$ 2.506 χ^2 /NDF:532639.4/21

diff_bpm0l08Y_mean vs slug



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

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

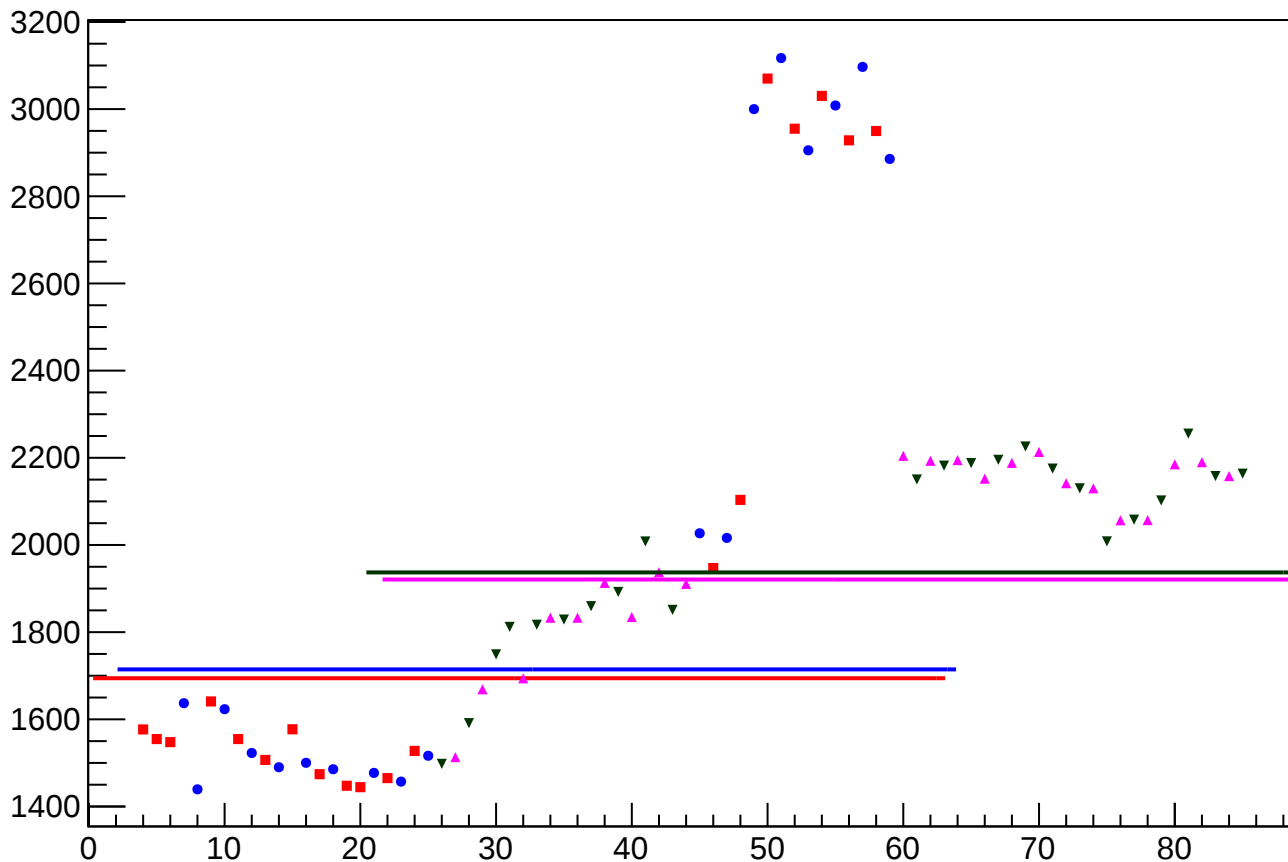
Right Out: 5.218 ± 0.553 χ^2/NDF : 26.5/18

Left In: -3.154 ± 0.551 χ^2/NDF : 50.7/21

4.320 ± 0.386 χ^2/NDF : 266.4/40

1.020 ± 0.390 χ^2/NDF : 192.1/40

diff_bpm0l08Y_rms vs slug



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

Left Out: 1937.062+/-0.398 χ^2/NDF : 326340.9/22

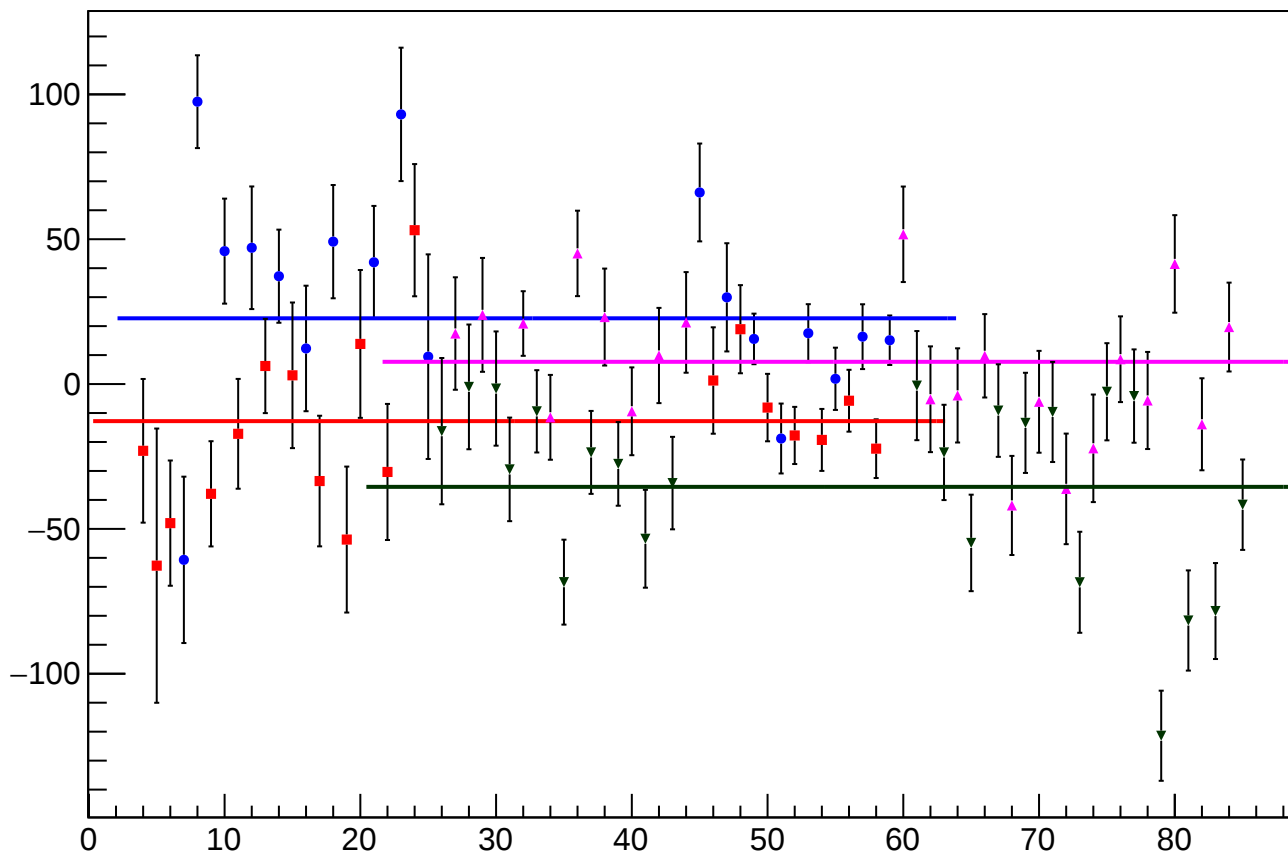
Right Out: 1694.263+/-0.391 χ^2/NDF : 1202765.8/18

Left In: 1920.767+/-0.390 χ^2/NDF : 369283.9/21

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

1807.832+/-0.276 χ^2/NDF : 1740413.3/40

diff_bpm0l09X_mean vs slug



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

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

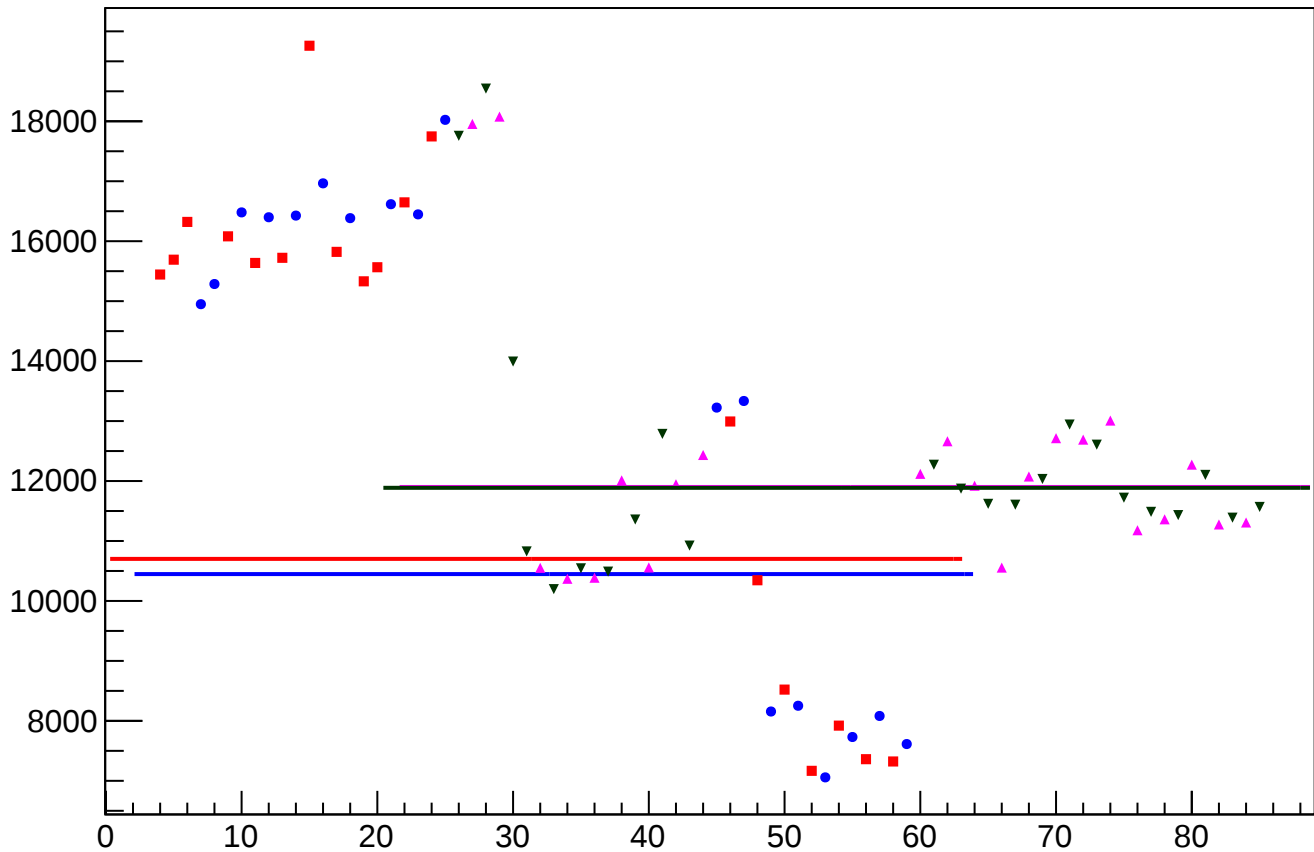
Right Out: -12.799 ± 3.618 $\chi^2/\text{NDF}: 28.2/18$

Left In: 7.681 ± 3.431 $\chi^2/\text{NDF}: 45.4/21$

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

-2.016 ± 2.490 $\chi^2/\text{NDF}: 90.4/40$

diff_bpm0l09X_rms vs slug



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

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

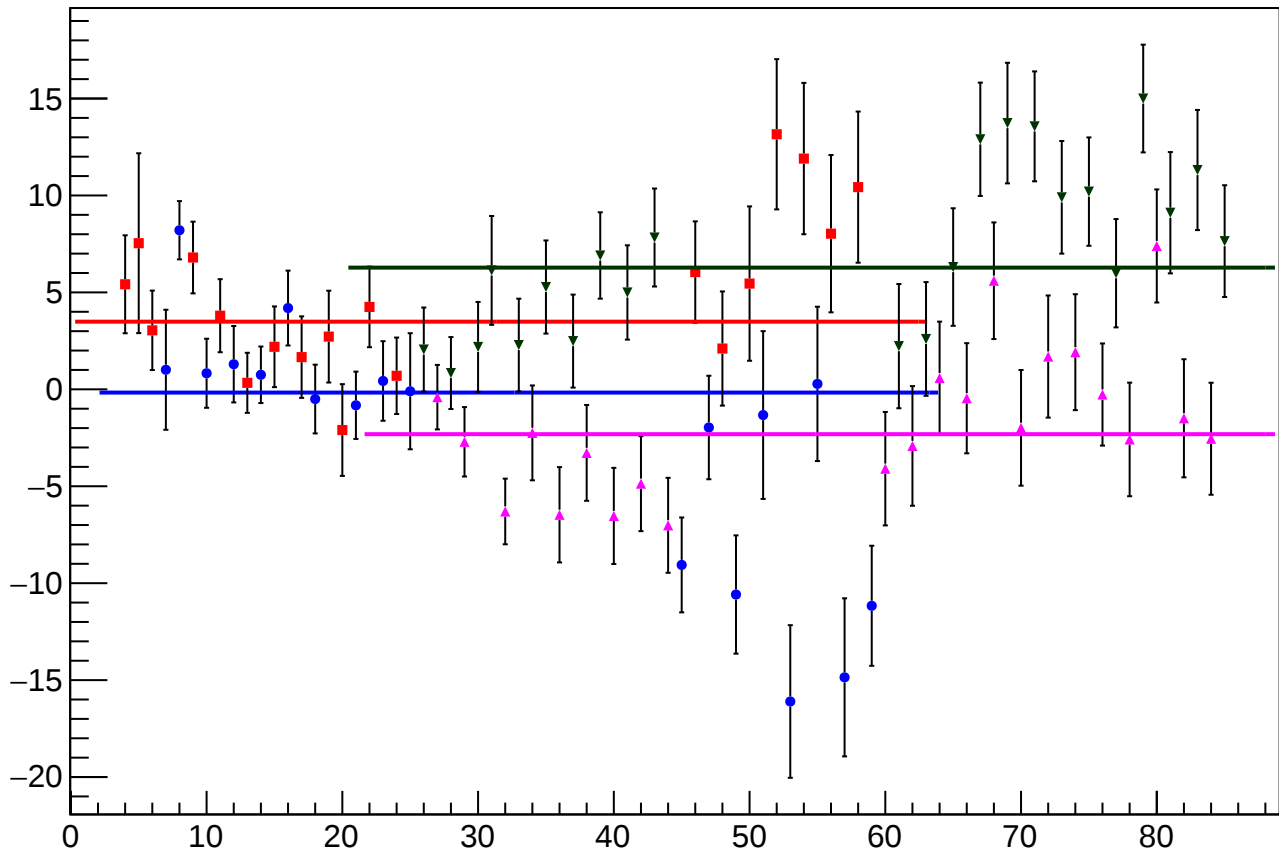
11133.567+/-1.696 χ^2/NDF : 3262253.0/40

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

11333.030+/-1.761 χ^2/NDF : 3086281.4/40

Left In: 11901.011+/-2.426 χ^2/NDF : 532045.3/21

diff_bpm0l09Y_mean vs slug



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

Left Out: 6.278 $\pm$ 0.545 χ^2/NDF : 59.4/22

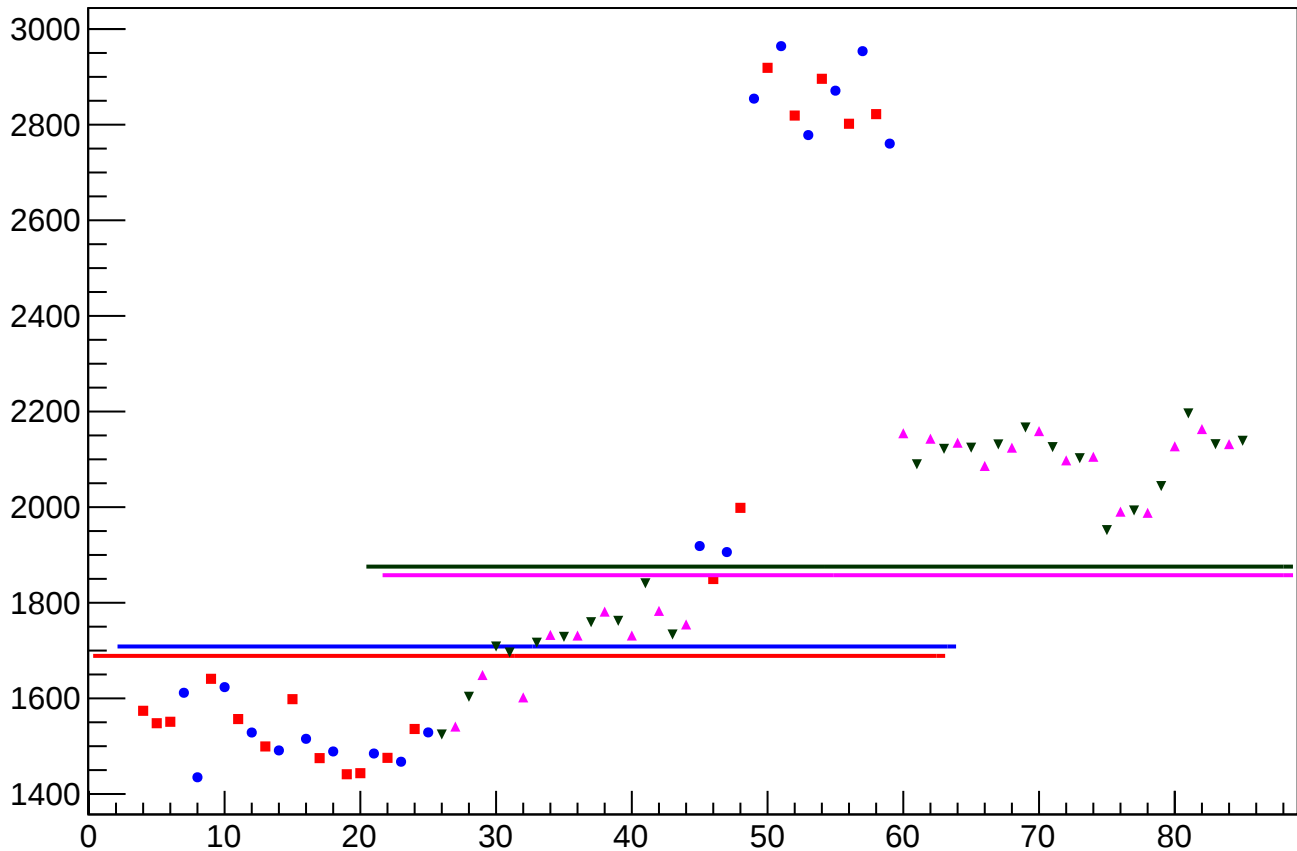
Right Out: 3.490 $\pm$ 0.549 χ^2/NDF : 34.4/18

Left In: -2.314 $\pm$ 0.533 χ^2/NDF : 41.7/21

2.938 $\pm$ 0.378 χ^2/NDF : 237.0/40

0.503 $\pm$ 0.382 χ^2/NDF : 133.7/40

diff_bpm0l09Y_rms vs slug



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

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

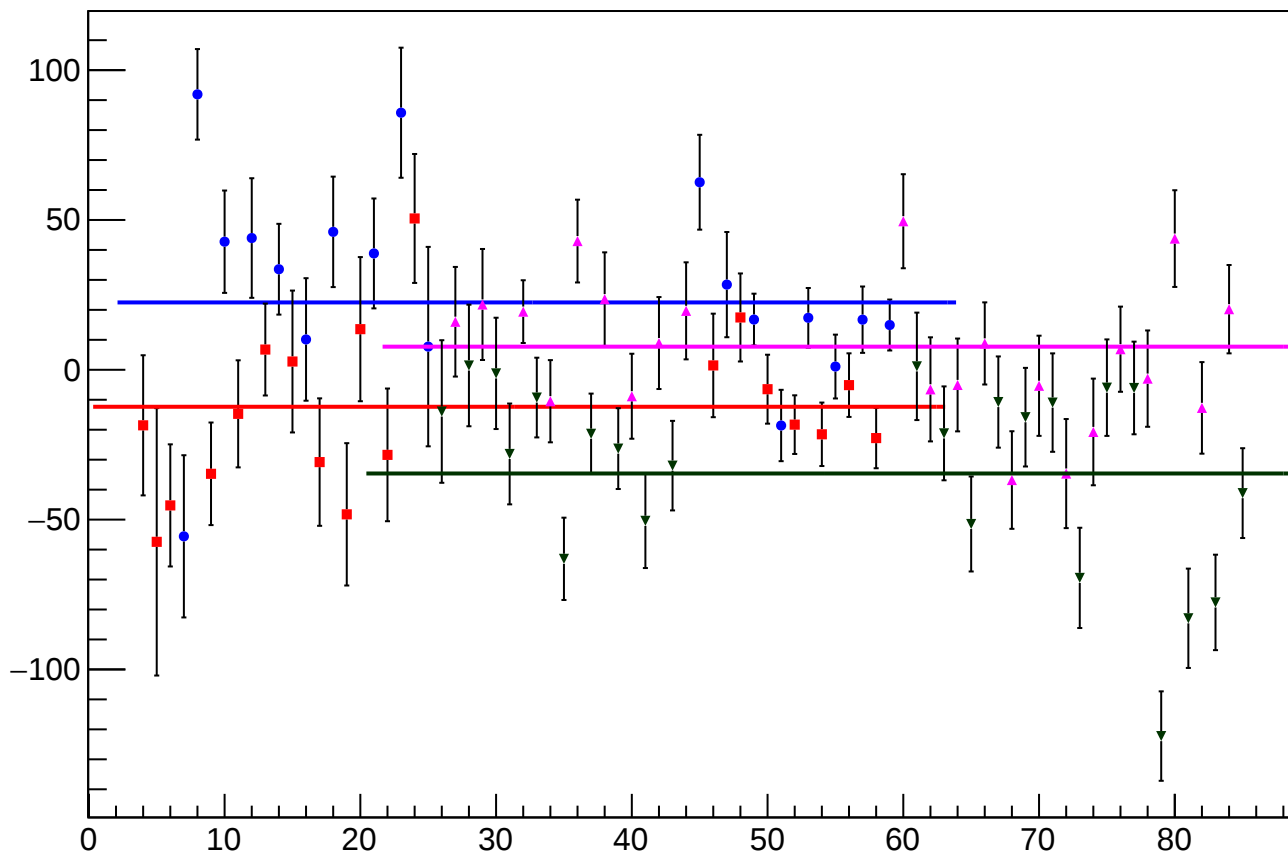
1789.045+/-0.268 χ^2/NDF : 1869640.4/40

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

1775.743+/-0.270 χ^2/NDF : 1518679.0/40

Left In: 1857.628+/-0.377 χ^2/NDF : 362793.8/21

diff_bpm0l10X_mean vs slug



Right In: 22.480 ± 3.228 χ^2/NDF : 68.3/17

Left Out: -34.608 ± 3.294 χ^2/NDF : 90.7/22

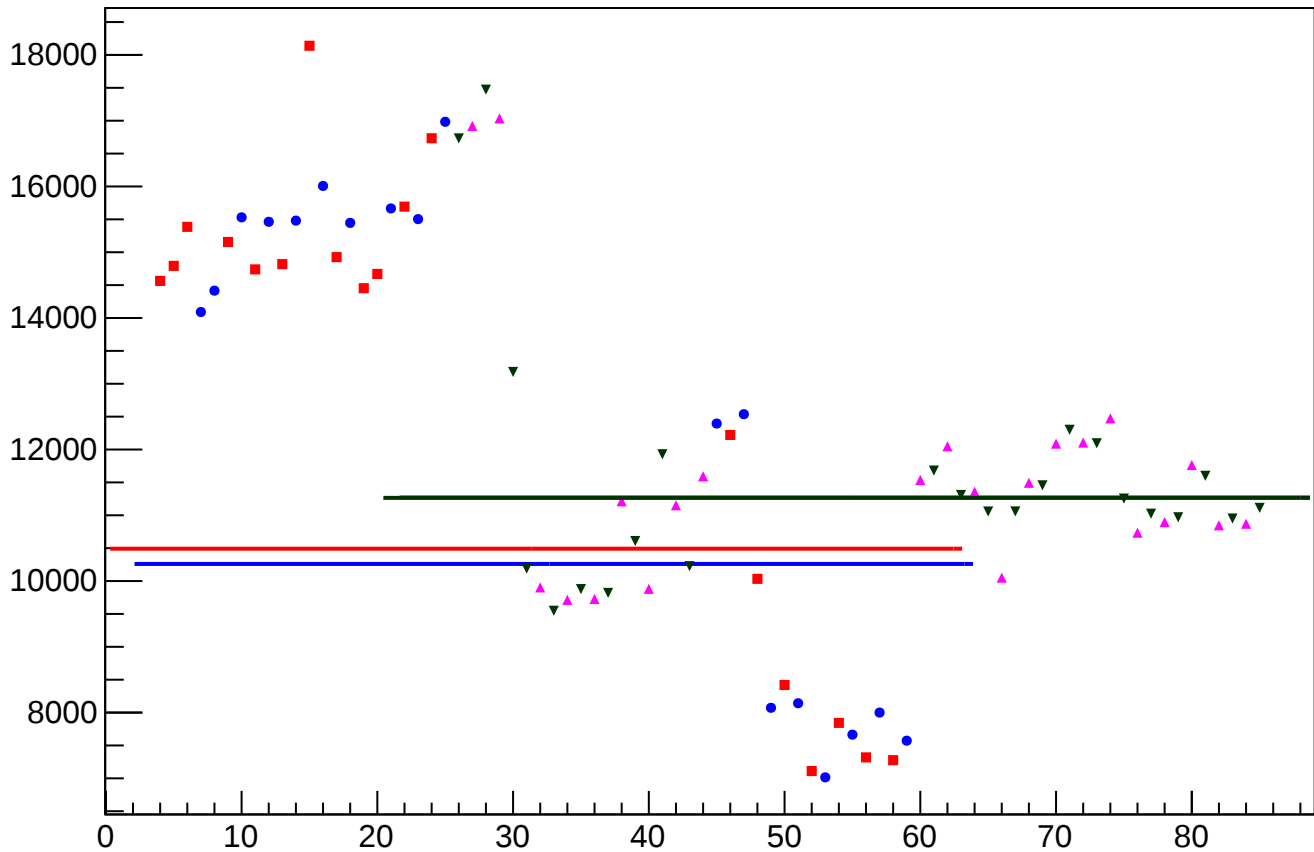
Right Out: -12.340 ± 3.516 χ^2/NDF : 28.3/18

Left In: 7.718 ± 3.250 χ^2/NDF : 45.7/21

-5.487 ± 2.305 χ^2/NDF : 312.2/40

-1.524 ± 2.387 χ^2/NDF : 91.6/40

diff_bpm0l10X_rms vs slug



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

Left Out: 11264.866 $\pm$ 2.329 χ^2 /NDF: 435244.5/22

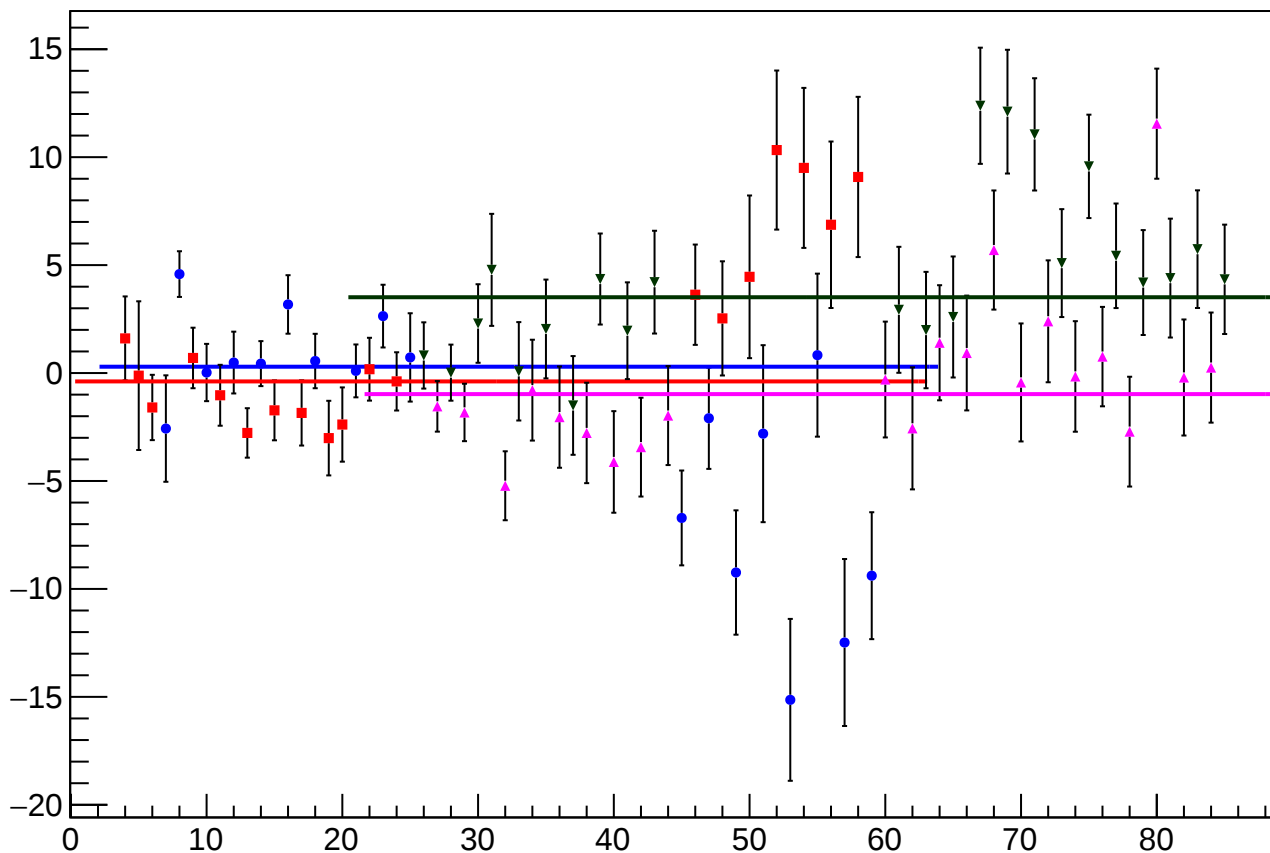
10752.342 $\pm$ 1.630 χ^2 /NDF: 2850168.3/40

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

10913.227 $\pm$ 1.688 χ^2 /NDF: 2729238.6/40

Left In: 11273.059 $\pm$ 2.298 χ^2 /NDF: 537176.7/21

diff_bpm0l10Y_mean vs slug



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

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

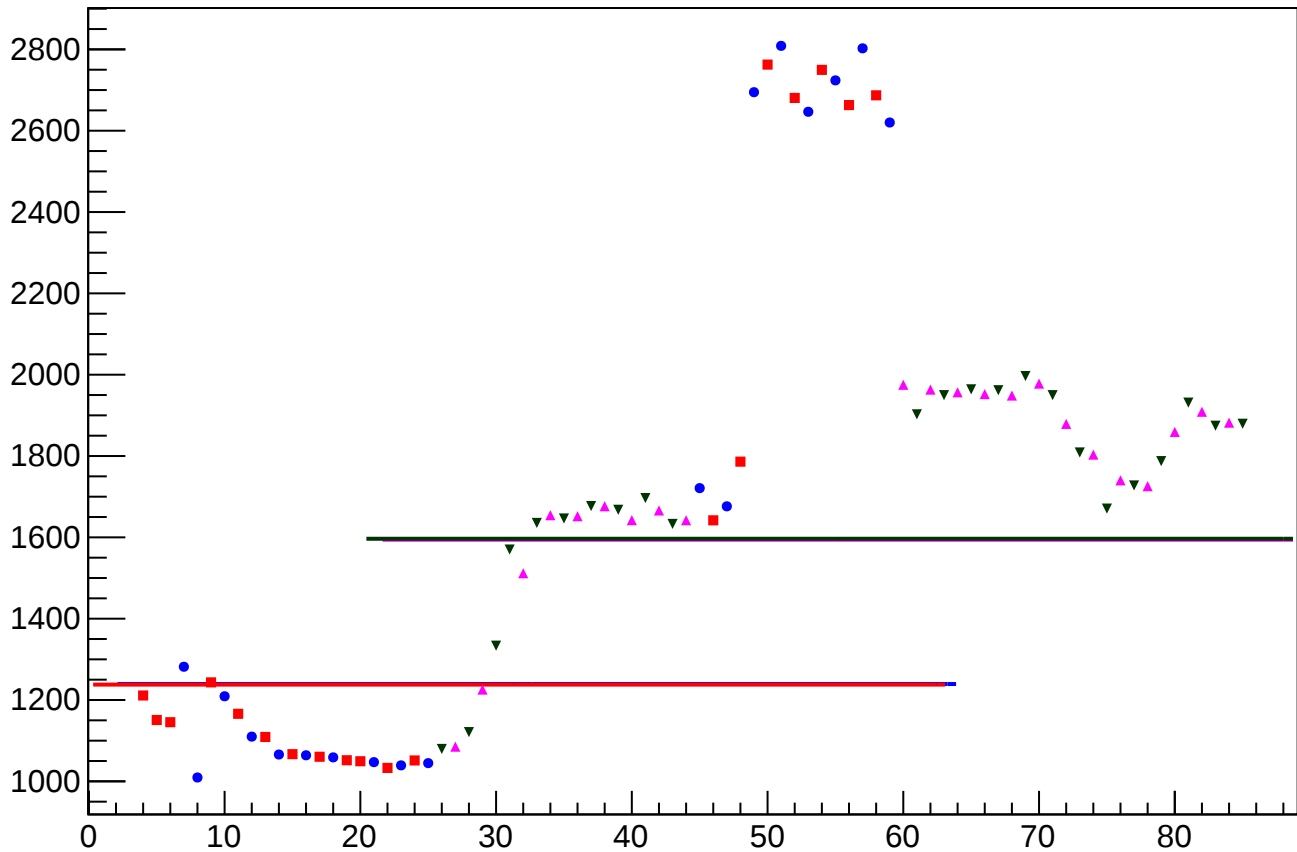
Right Out: -0.388 ± 0.412 χ^2/NDF : 44.0/18

Left In: -0.976 ± 0.462 χ^2/NDF : 46.2/21

1.617 ± 0.301 χ^2/NDF : 170.5/40

-0.648 ± 0.308 χ^2/NDF : 91.1/40

diff_bpm0l10Y_rms vs slug



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

Left Out: 1596.529+/-0.332 χ^2/NDF : 861163.9/22

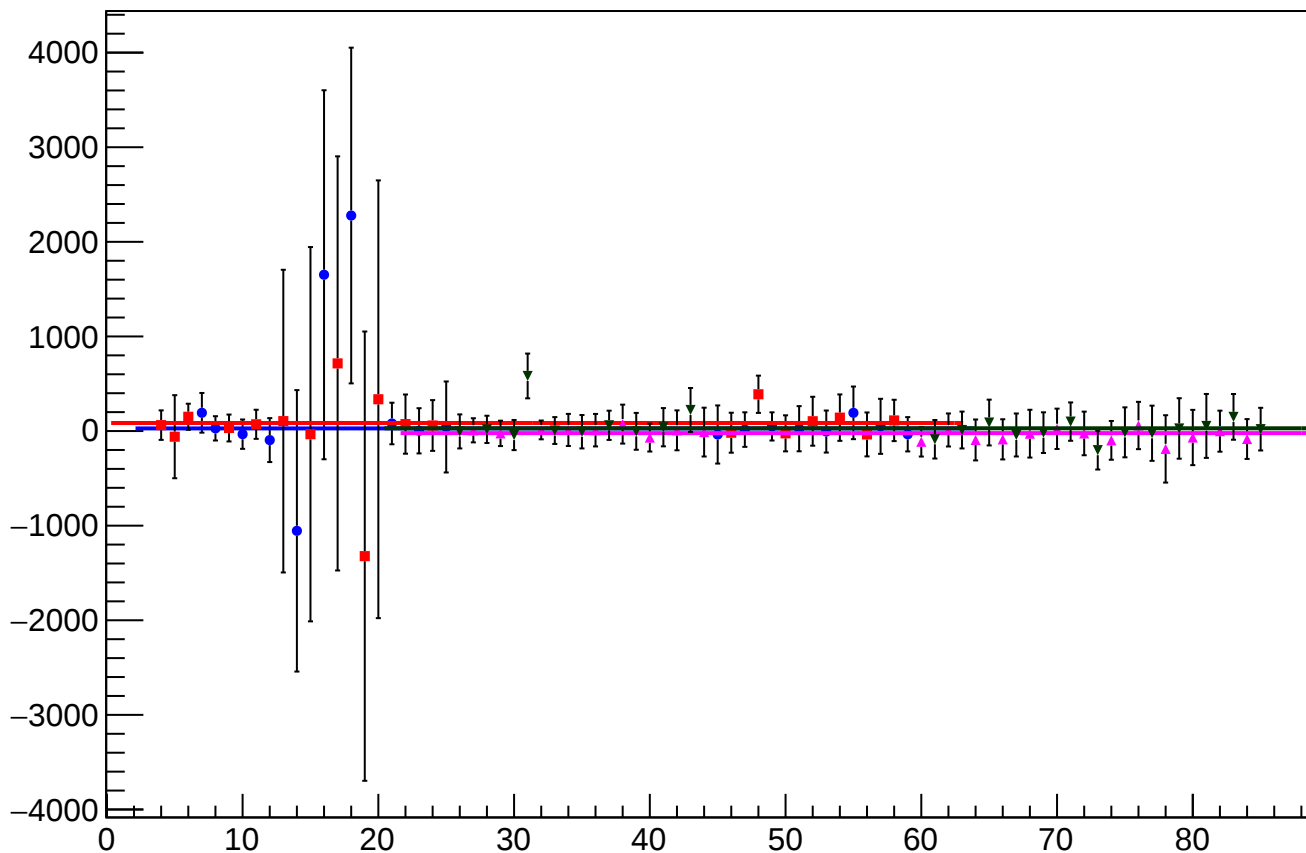
Right Out: 1237.907+/-0.291 χ^2/NDF : 1914347.8/18

Left In: 1594.138+/-0.327 χ^2/NDF : 886873.3/21

1386.271+/-0.213 χ^2/NDF : 4217384.2/40

1395.471+/-0.217 χ^2/NDF : 3463082.2/40

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs slug



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

Left Out: 29.186+/-41.975 χ^2/NDF : 8.8/22

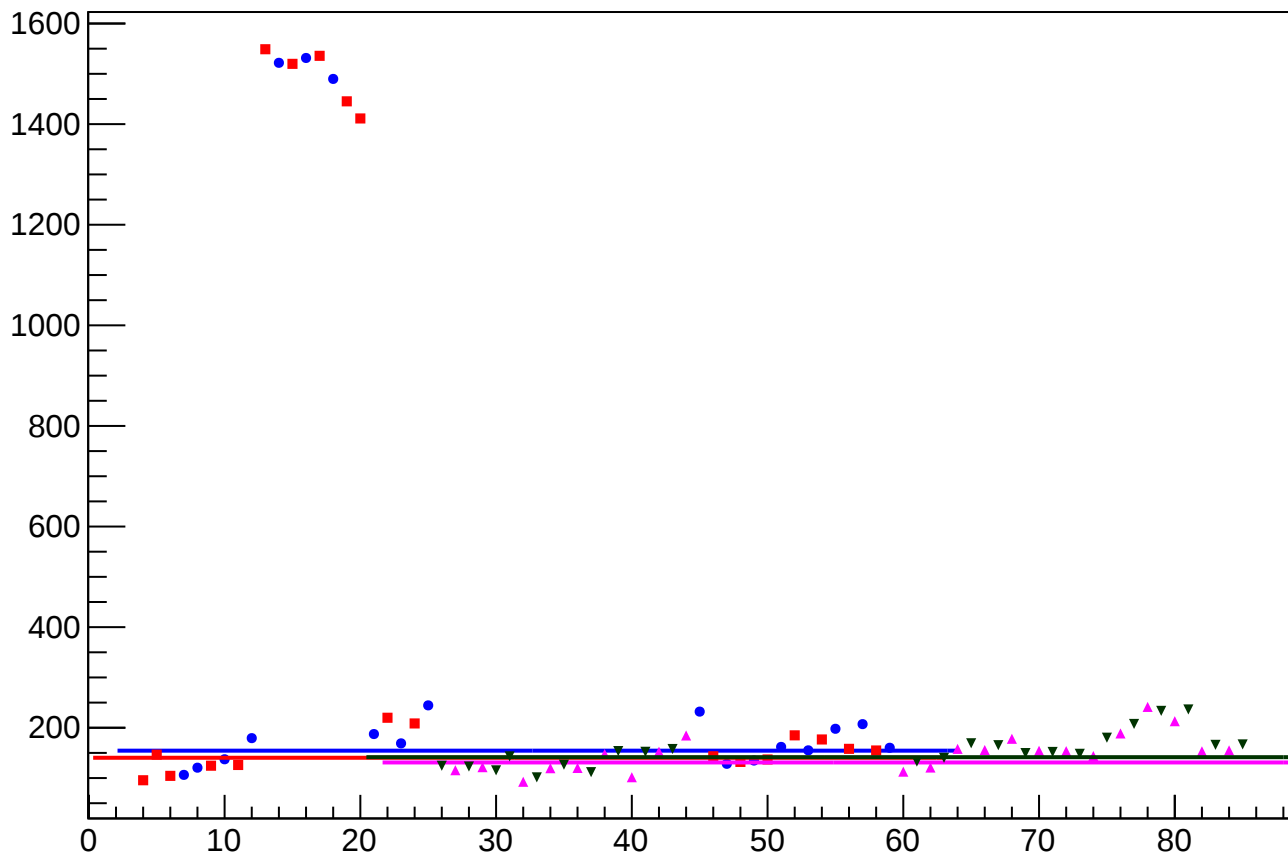
Right Out: 85.325+/-52.506 χ^2/NDF : 4.3/18

Left In: -21.800+/-38.597 χ^2/NDF : 1.8/21

28.672+/-32.735 χ^2/NDF : 13.3/40

15.781+/-31.099 χ^2/NDF : 8.8/40

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs slug



Right In: 154.452 $\pm$ 0.037 χ^2 /NDF: 4556738.2/17

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

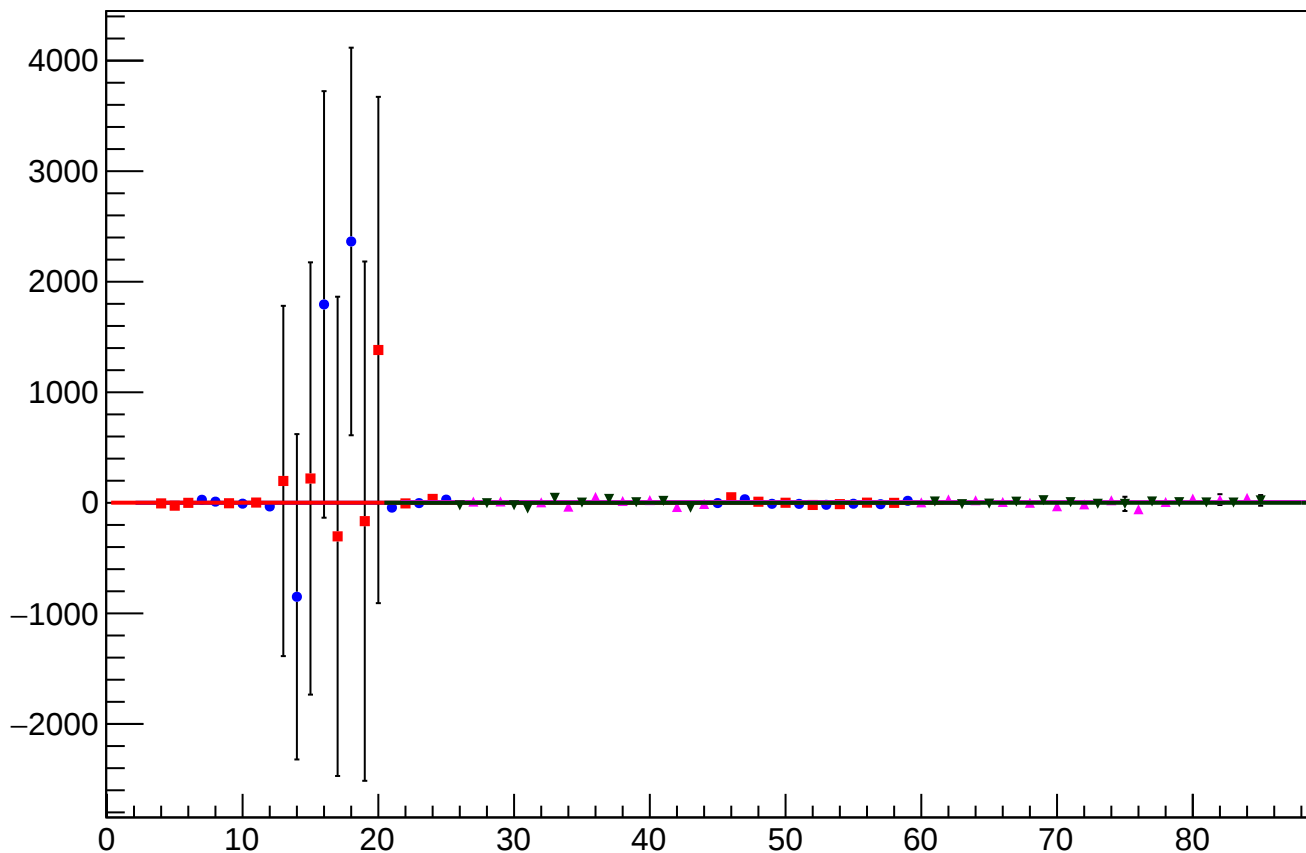
Right Out: 140.345 $\pm$ 0.037 χ^2 /NDF: 5274055.6/18

Left In: 131.007 $\pm$ 0.027 χ^2 /NDF:1270290.3/21

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

134.283 $\pm$ 0.022 χ^2 /NDF: 6585417.3/40

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs slug



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

Left Out: 0.582 ± 5.085 χ^2/NDF : 16.9/22

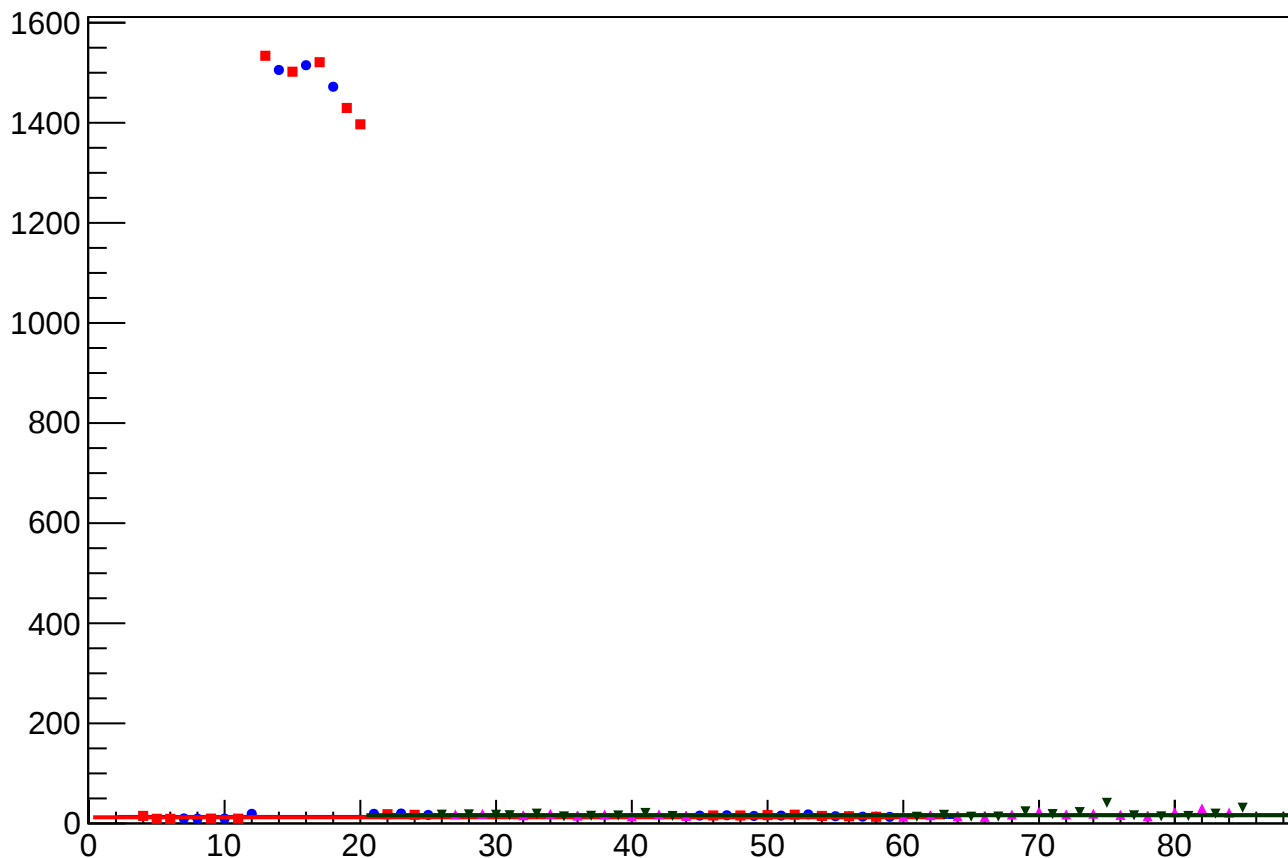
Right Out: 1.382 ± 4.789 χ^2/NDF : 9.5/18

Left In: 7.124 ± 5.073 χ^2/NDF : 23.3/21

0.582 ± 3.417 χ^2/NDF : 33.5/40

4.087 ± 3.482 χ^2/NDF : 33.5/40

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs slug



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

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

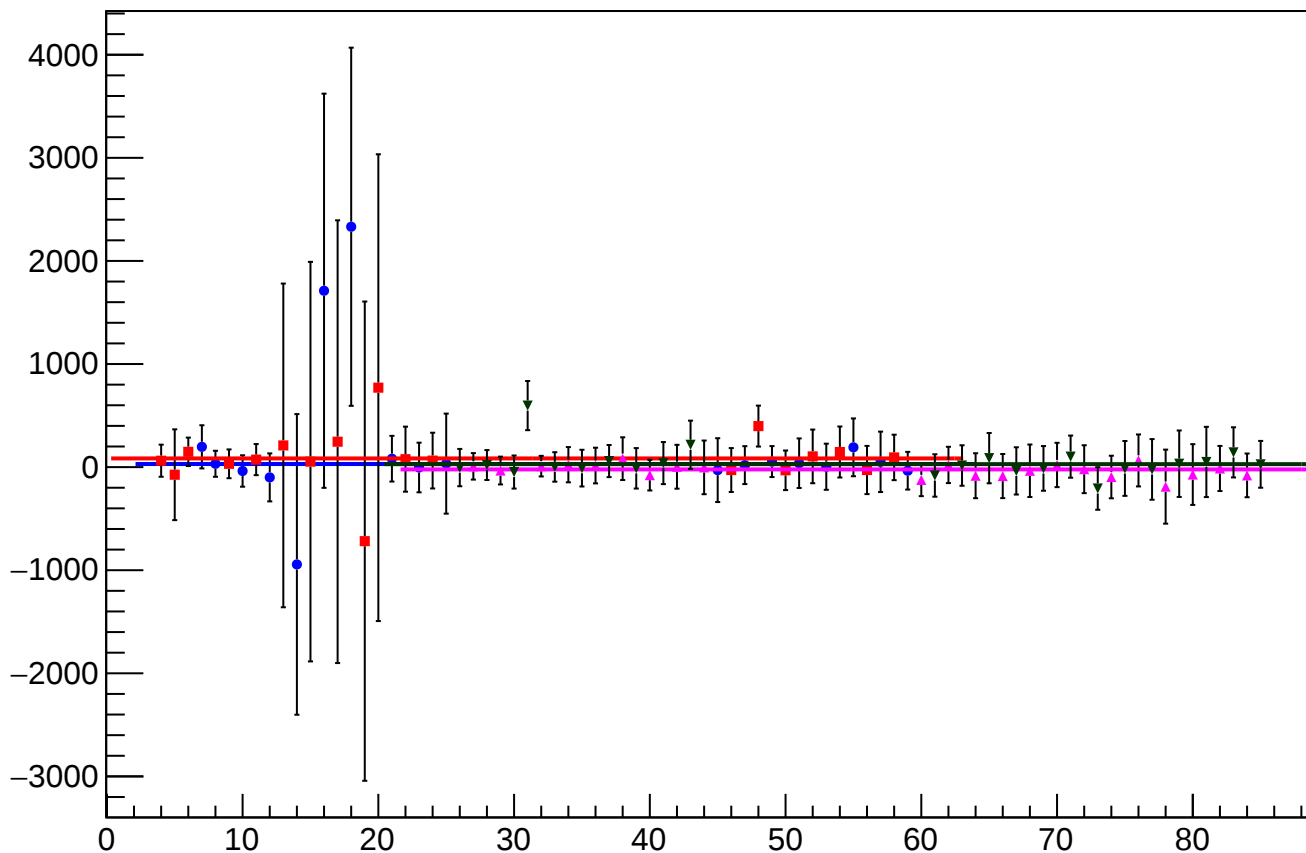
Right Out: 12.312 $\pm$ 0.003 χ^2 /NDF: 6373010.7/18

Left In: 16.720 $\pm$ 0.004 χ^2 /NDF: 658608.0/21

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

14.389 $\pm$ 0.002 χ^2 /NDF: 7829858.3/40

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs slug



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

Left Out: 28.791+/-42.306 χ^2/NDF :8.9/22

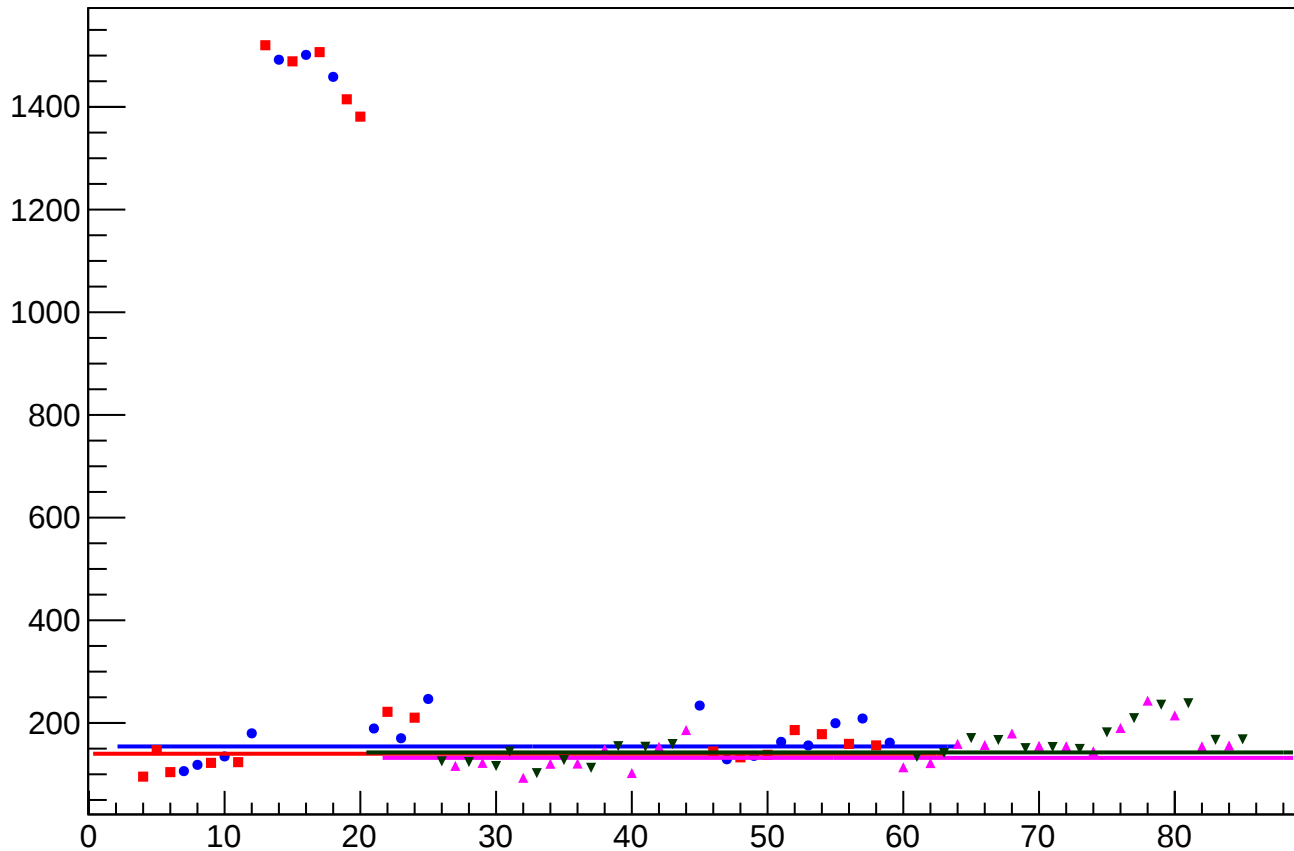
Right Out: 84.316+/-52.424 χ^2/NDF : 4.2/18

Left In: -22.187+/-38.892 χ^2/NDF :1.9/21

29.274+/-32.884 χ^2/NDF : 13.7/40

15.621+/-31.235 χ^2/NDF : 8.8/40

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs slug



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

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

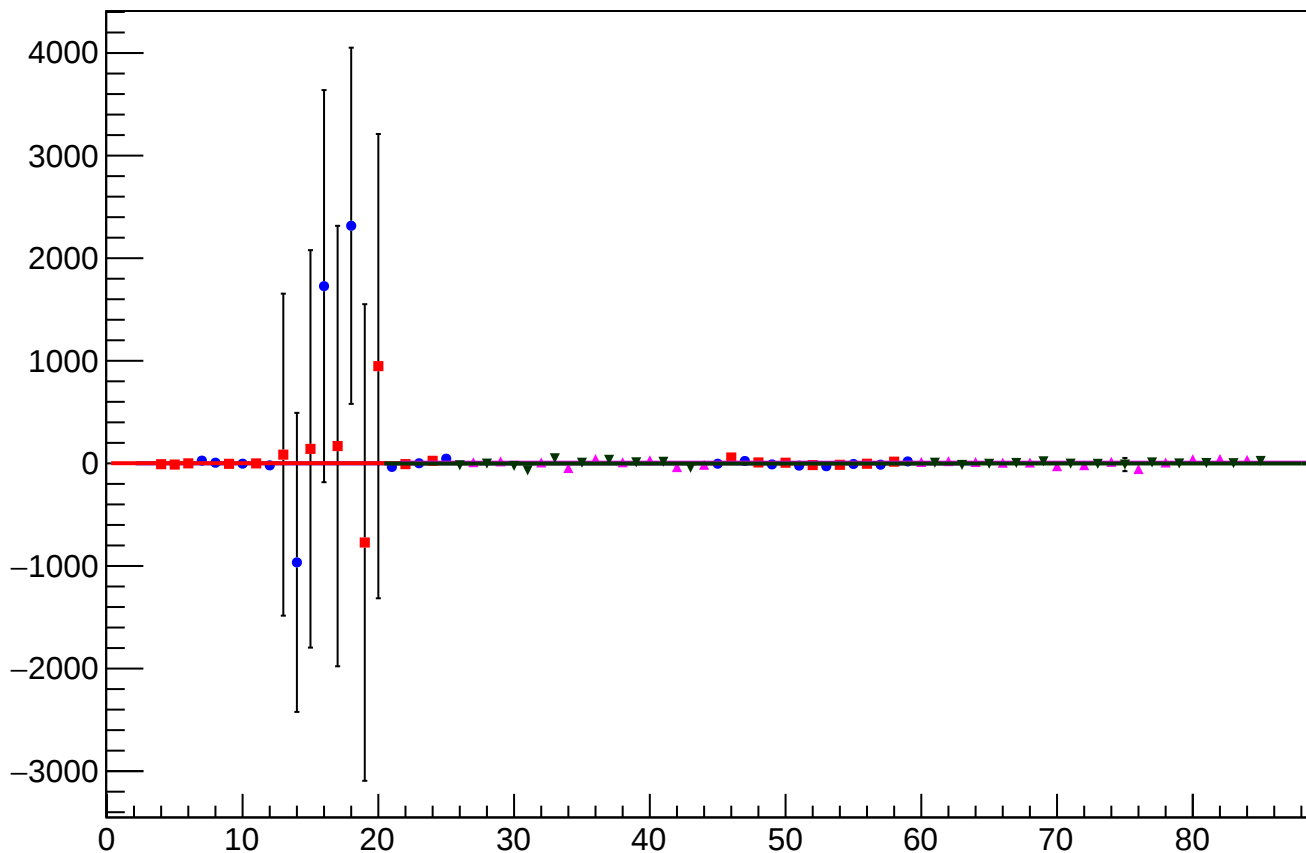
Right Out: 140.050 $\pm$ 0.037 χ^2 /NDF: 5289912.8/18

Left In: 131.995 $\pm$ 0.028 χ^2 /NDF:1273725.6/21

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

134.855 $\pm$ 0.022 χ^2 /NDF: 6594093.4/40

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs slug



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

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

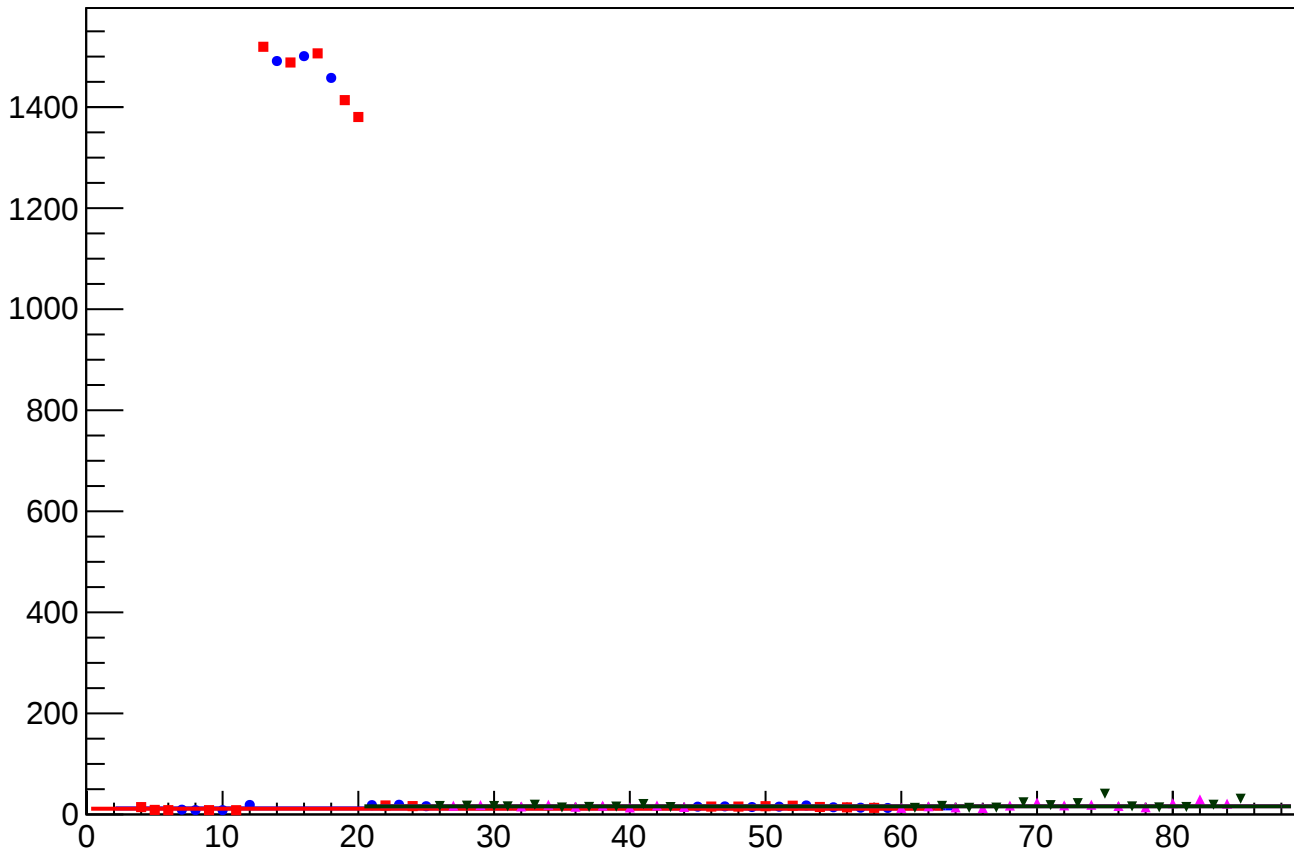
Right Out: 1.782 $\pm$ 4.470 χ^2 /NDF: 10.1/18

Left In: 7.011 $\pm$ 4.969 χ^2 /NDF:22.5/21

0.028 $\pm$ 3.261 χ^2 /NDF: 35.7/40

4.121 $\pm$ 3.323 χ^2 /NDF: 33.2/40

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs slug



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

Left Out: 16.098+/-0.004 χ^2 /NDF:986574.3/22

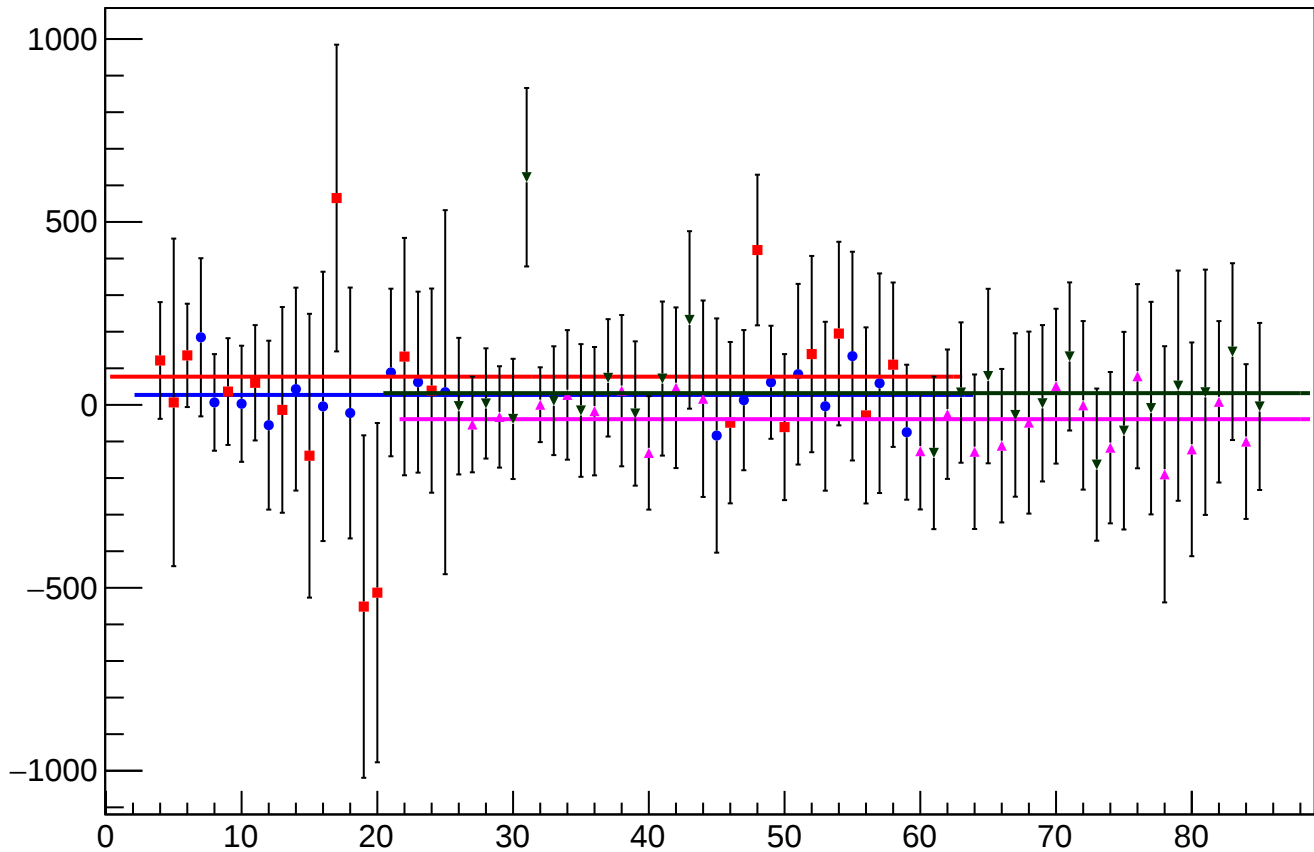
Right Out: 11.361+/-0.003 χ^2 /NDF: 6645877.2/18

Left In: 16.341+/-0.004 χ^2 /NDF:665192.8/21

13.765+/-0.002 χ^2 /NDF: 7816682.6/40

13.588+/-0.002 χ^2 /NDF: 8421533.1/40

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs slug



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

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

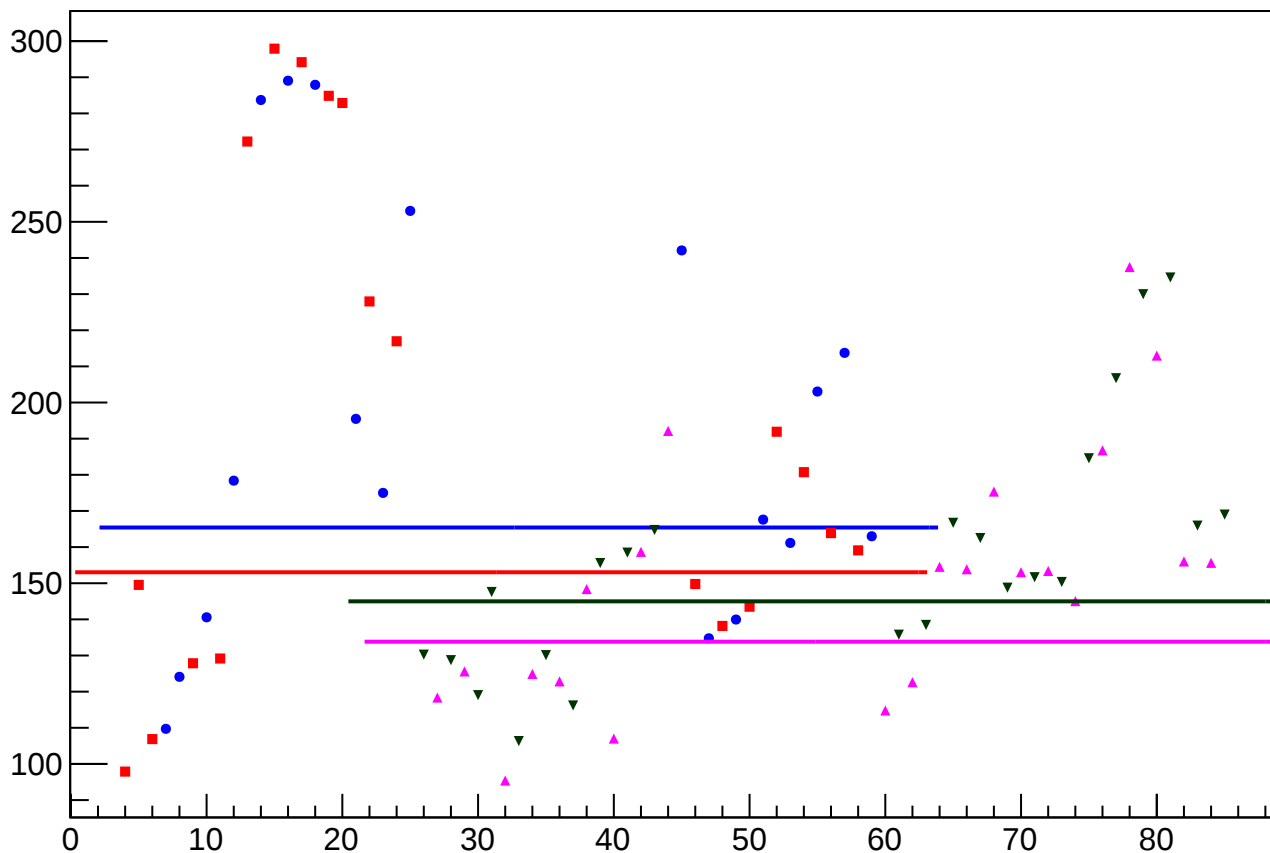
Right Out: 77.113 $\pm$ 51.687 χ^2 /NDF: 9.7/18

Left In: -39.064 $\pm$ 39.342 χ^2 /NDF: 2.6/21

30.107 $\pm$ 33.025 χ^2 /NDF: 10.9/40

3.553 $\pm$ 31.305 χ^2 /NDF: 15.5/40

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs slug



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

Left Out: 144.986 ± 0.030 χ^2/NDF : 824967.1/22

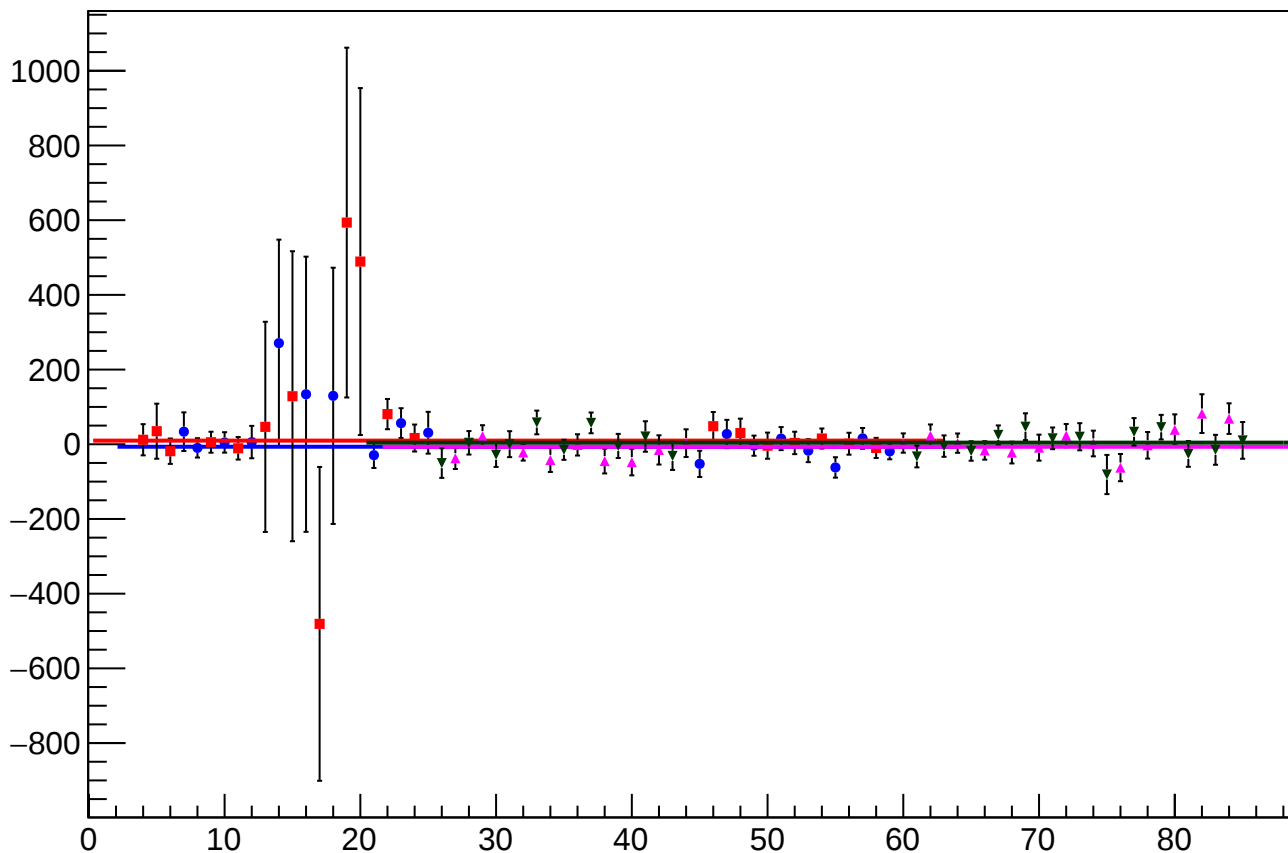
153.286 ± 0.023 χ^2/NDF : 2646040.7/40

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

140.871 ± 0.022 χ^2/NDF : 3351950.4/40

Left In: 133.821 ± 0.028 χ^2/NDF : 1139015.1/21

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: 4.410+/-6.838 χ^2/NDF : 21.8/22

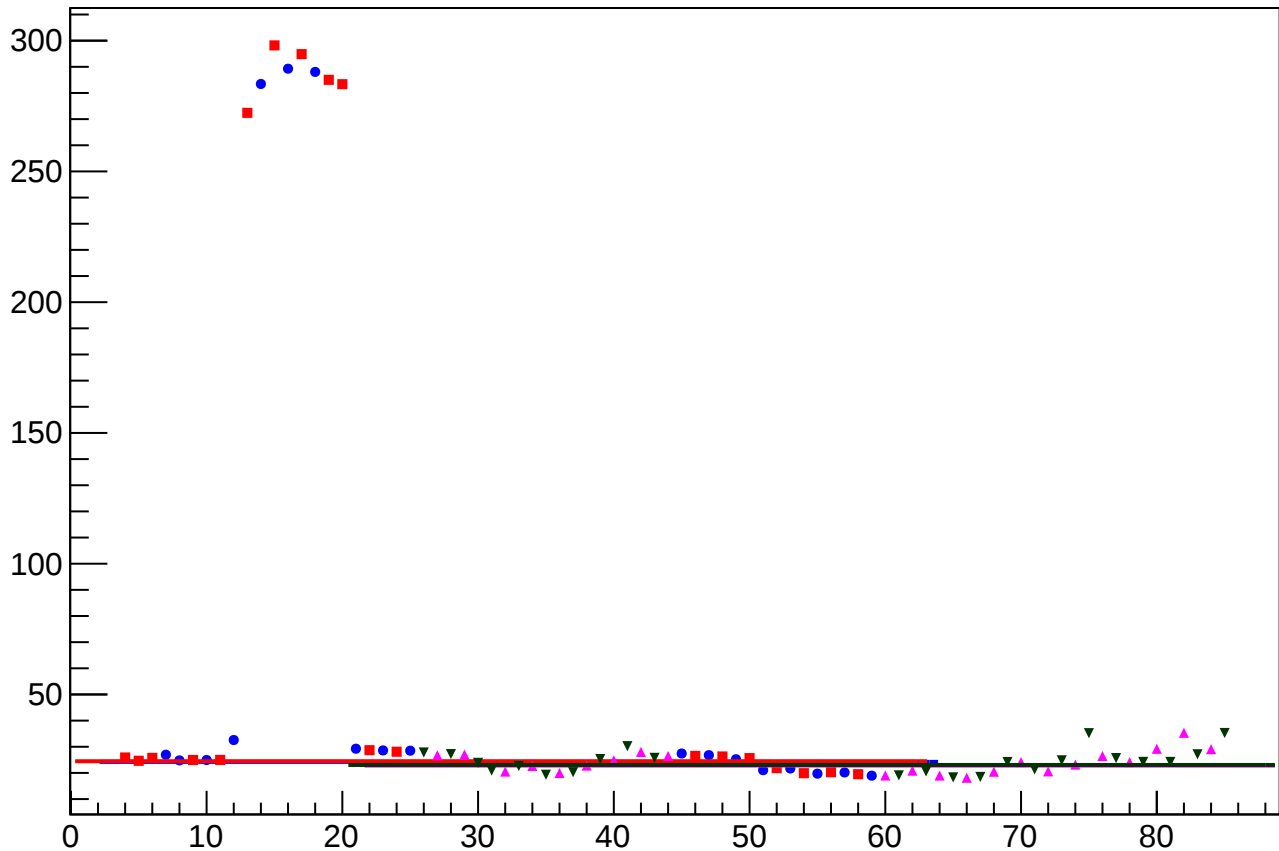
Right Out: 9.755+/-8.898 χ^2/NDF : 10.7/18

Left In: -6.689+/-6.680 χ^2/NDF : 19.1/21

-0.181+/-5.216 χ^2/NDF : 36.7/40

-0.763+/-5.342 χ^2/NDF : 31.9/40

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs slug



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

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

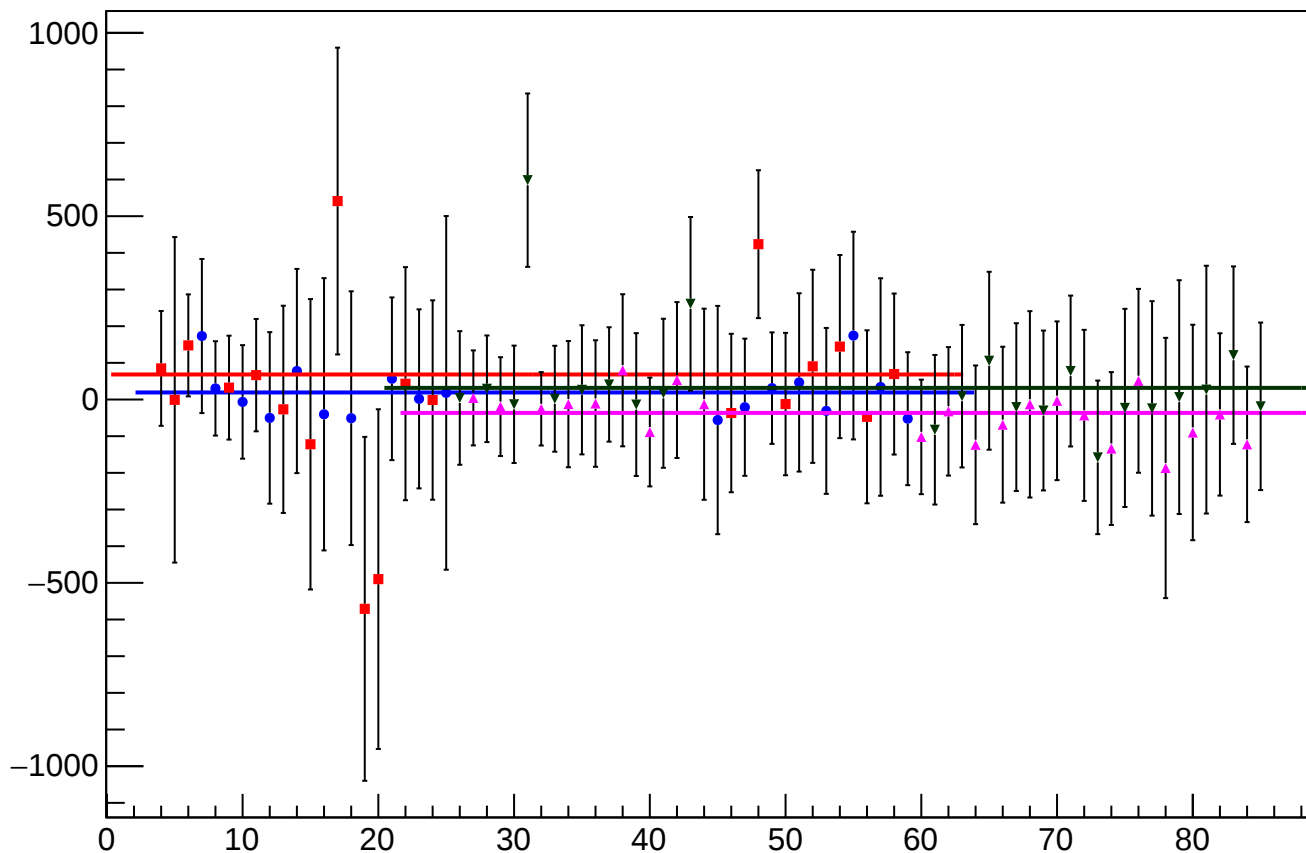
Right Out: 24.466 $\pm$ 0.006 χ^2 /NDF: 4859985.2/18

Left In: 22.808 $\pm$ 0.005 χ^2 /NDF:608177.6/21

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

23.406 $\pm$ 0.004 χ^2 /NDF: 5512546.1/40

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs slug



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

Left Out: 31.776+/-42.320 χ^2/NDF : 8.6/22

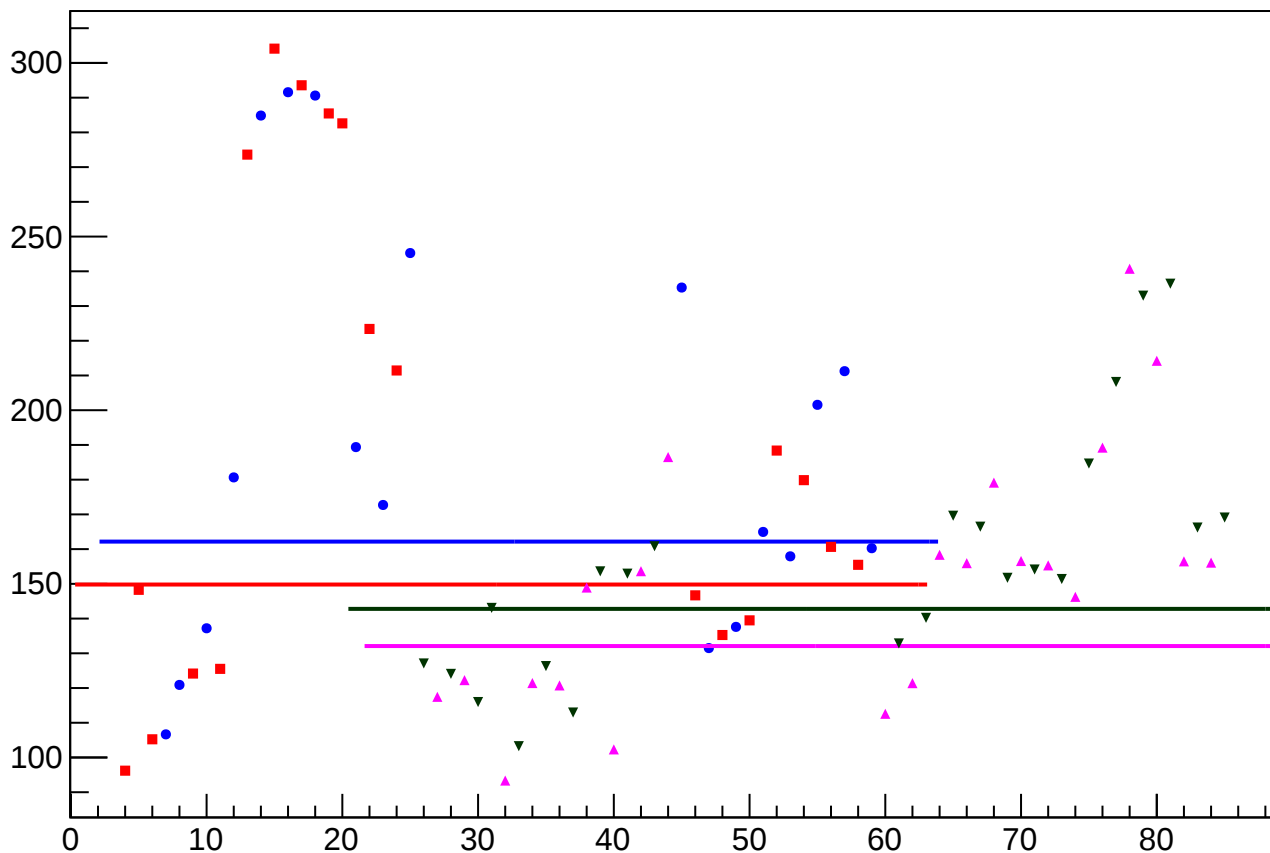
Right Out: 68.308+/-50.710 χ^2/NDF : 9.3/18

Left In: -36.486+/-38.904 χ^2/NDF : 1.9/21

26.663+/-32.545 χ^2/NDF : 10.0/40

2.341+/-30.867 χ^2/NDF : 13.9/40

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs slug



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

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

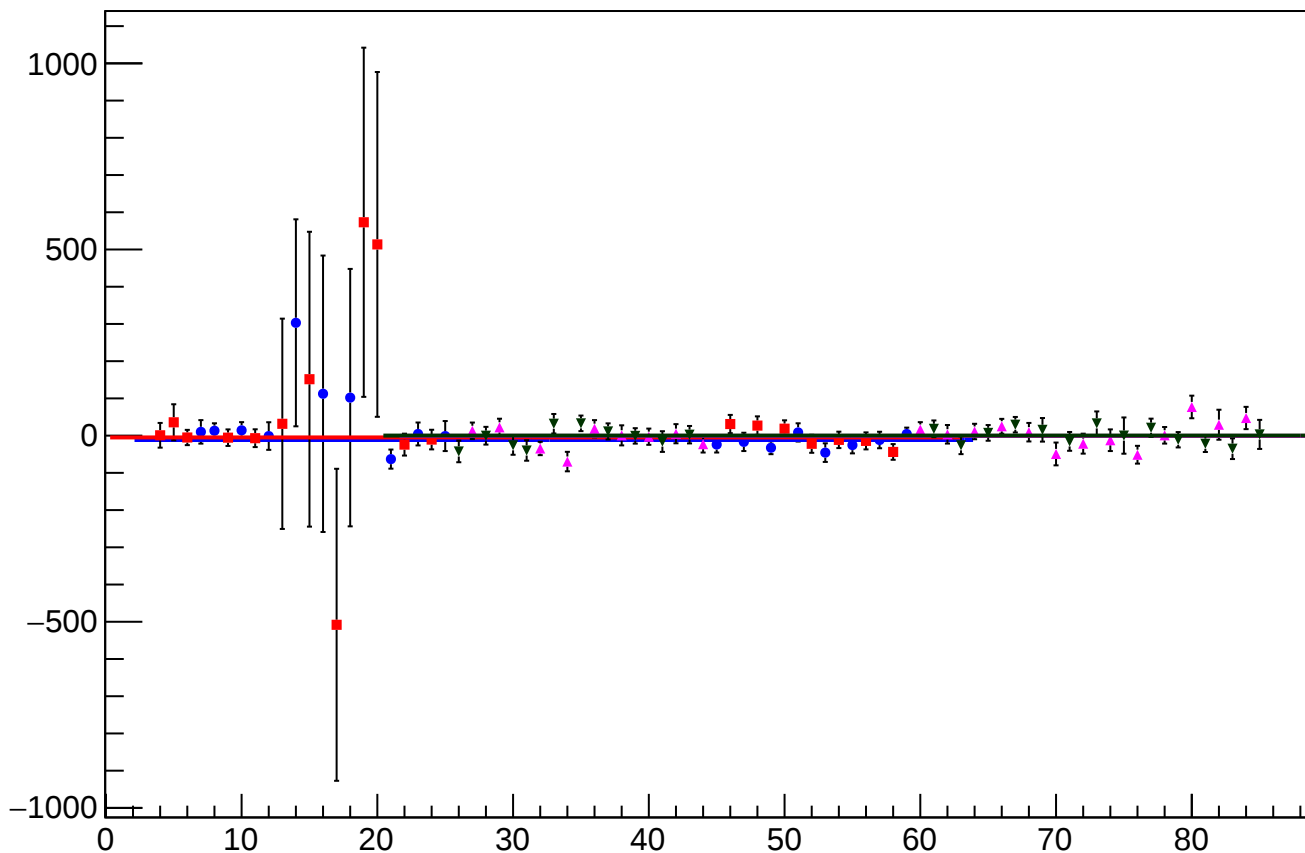
Right Out: 149.803 ± 0.036 $\chi^2/\text{NDF}: 2114602.4/18$

Left In: 132.089 ± 0.028 $\chi^2/\text{NDF}: 1267511.4/21$

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

138.652 ± 0.022 $\chi^2/\text{NDF}: 3535751.0/40$

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs slug



Right In: -11.713 ± 6.036 $\chi^2/\text{NDF}: 15.0/17$

Left Out: 0.140 ± 5.172 $\chi^2/\text{NDF}: 19.1/22$

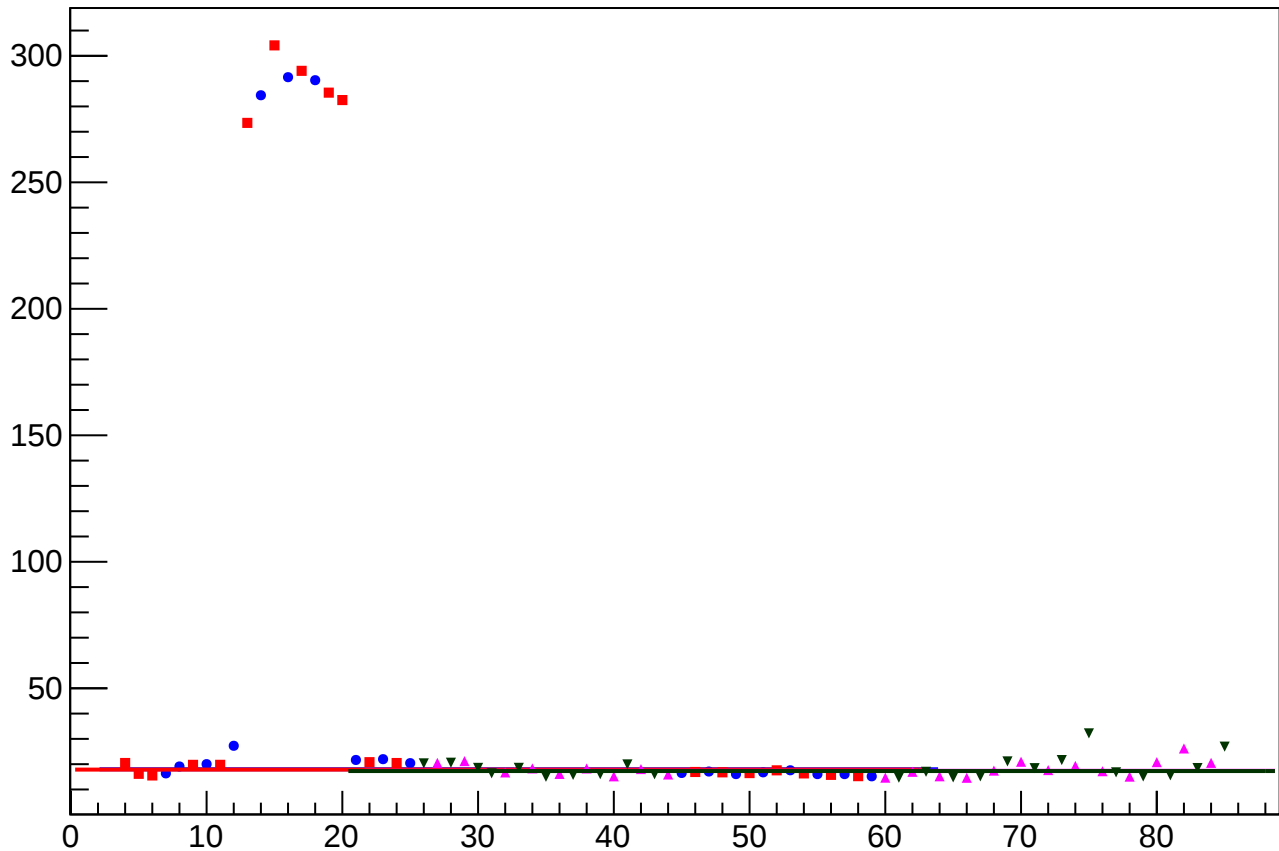
Right Out: -4.846 ± 6.550 $\chi^2/\text{NDF}: 14.7/18$

Left In: -0.760 ± 5.122 $\chi^2/\text{NDF}: 34.0/21$

-4.878 ± 3.927 $\chi^2/\text{NDF}: 36.3/40$

-2.311 ± 4.035 $\chi^2/\text{NDF}: 48.9/40$

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs slug



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

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

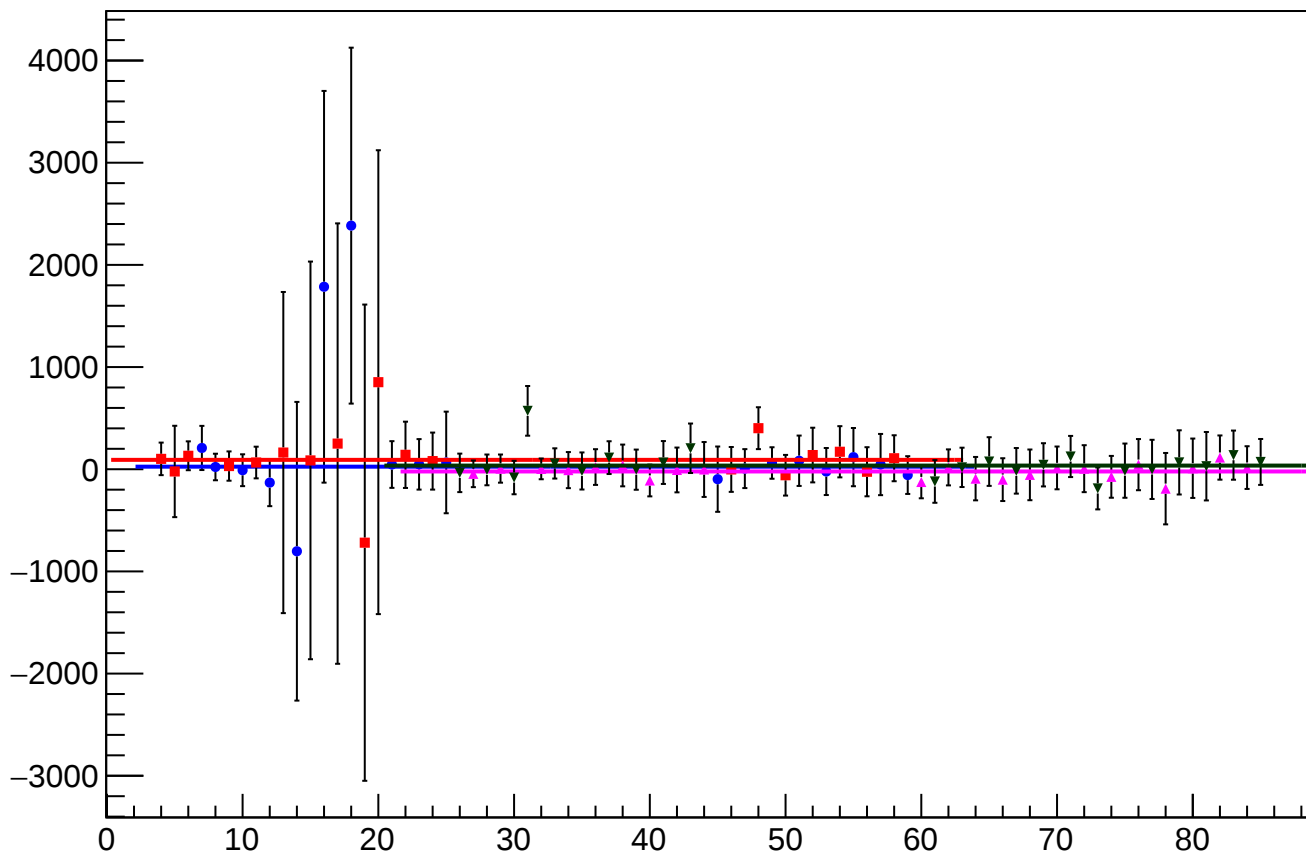
17.582+/-0.003 χ^2/NDF : 5170605.2/40

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

17.567+/-0.003 χ^2/NDF : 5476098.4/40

Left In: 17.391+/-0.004 χ^2/NDF : 435766.0/21

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs slug



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

Left Out: 35.775+/-42.726 χ^2/NDF : 8.8/22

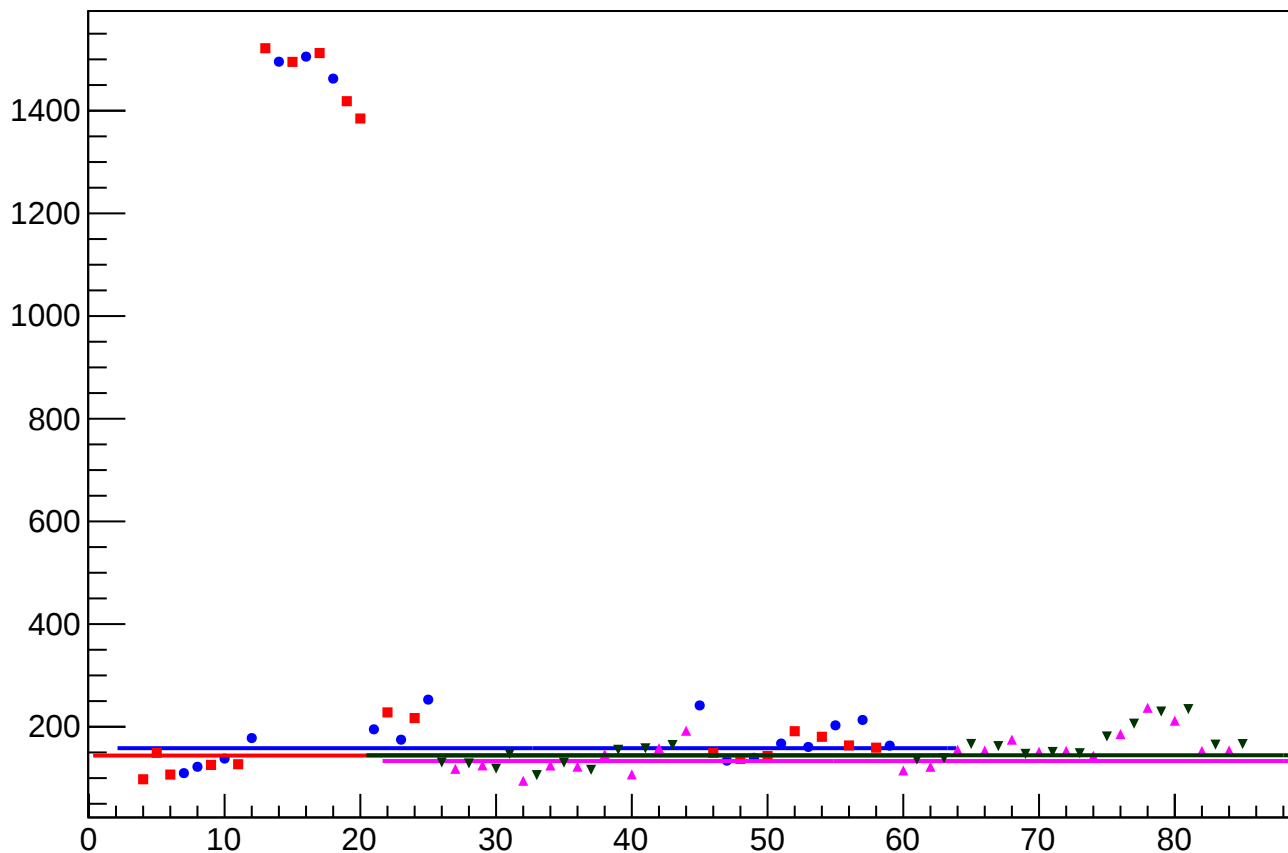
Right Out: 91.771+/-53.823 χ^2/NDF : 4.0/18

Left In: -21.860+/-39.174 χ^2/NDF : 2.2/21

31.627+/-33.395 χ^2/NDF : 13.7/40

17.489+/-31.673 χ^2/NDF : 9.2/40

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs slug



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

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

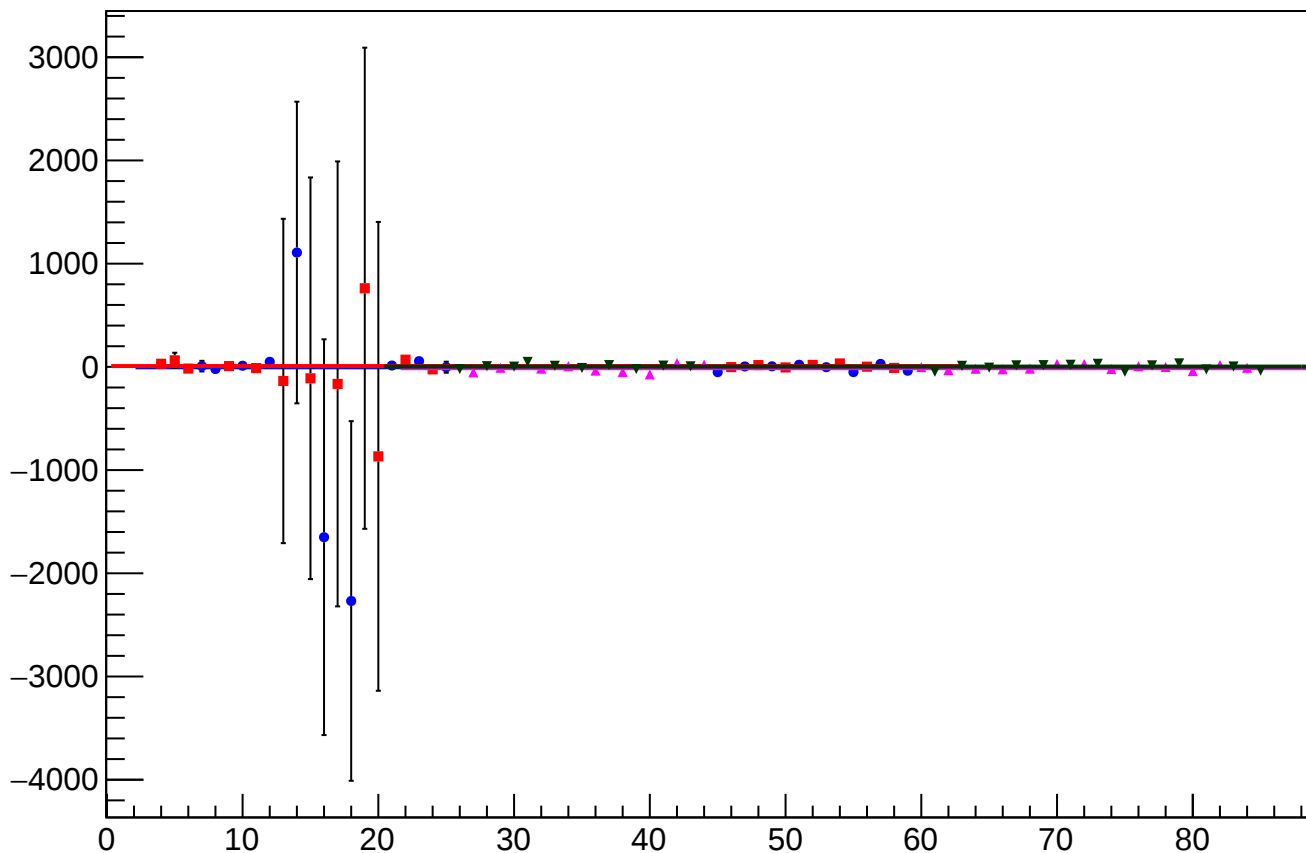
Right Out: 143.939+/-0.038 χ^2/NDF : 5267987.5/18

Left In: 133.256+/-0.028 χ^2/NDF : 1132675.8/21

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

136.956+/-0.022 χ^2/NDF : 6452170.1/40

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs slug



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

Left Out: 2.837+/-6.359 χ^2/NDF :13.3/22

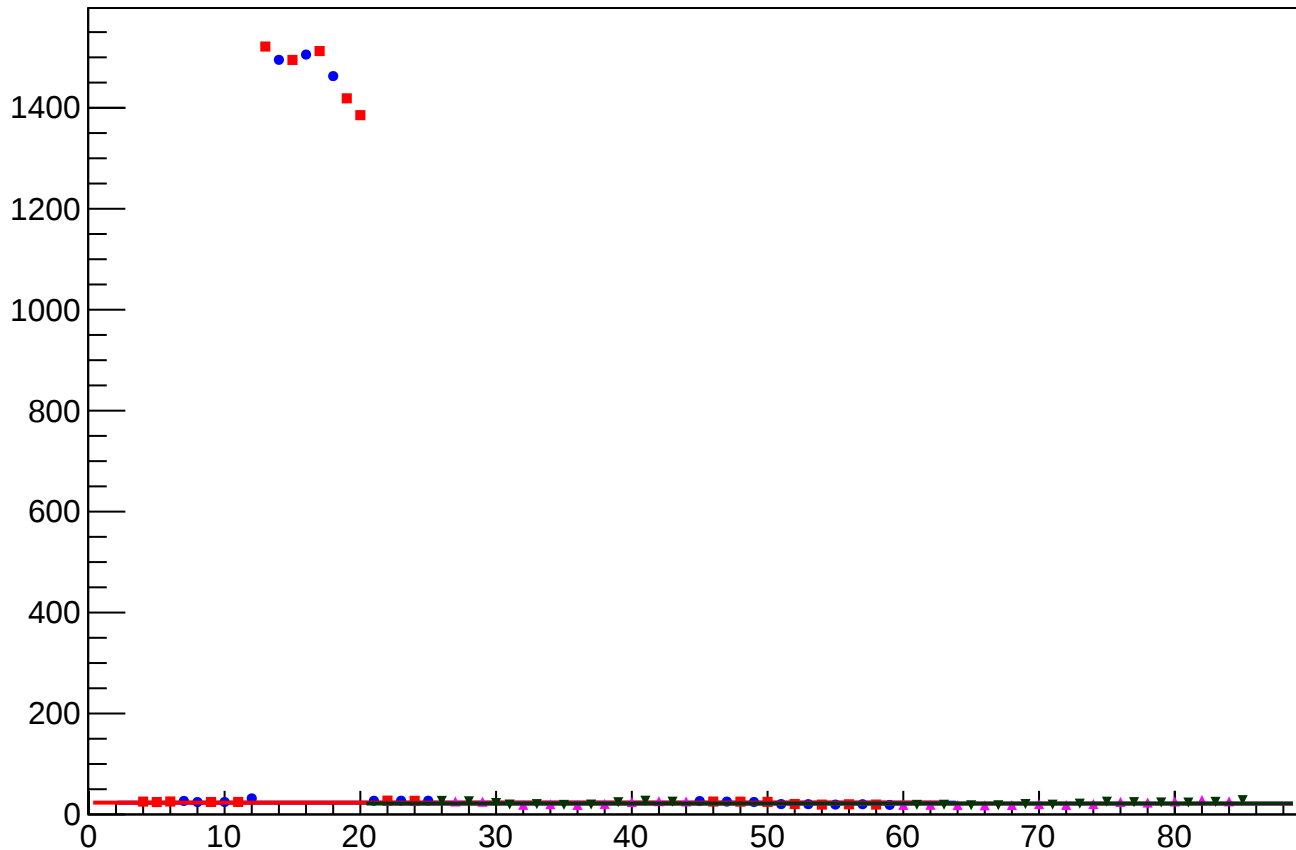
Right Out: 7.973+/-8.718 χ^2/NDF : 7.3/18

Left In: -12.899+/-6.203 χ^2/NDF :17.2/21

0.111+/-4.948 χ^2/NDF : 31.4/40

-5.883+/-5.054 χ^2/NDF : 28.4/40

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs slug



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

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

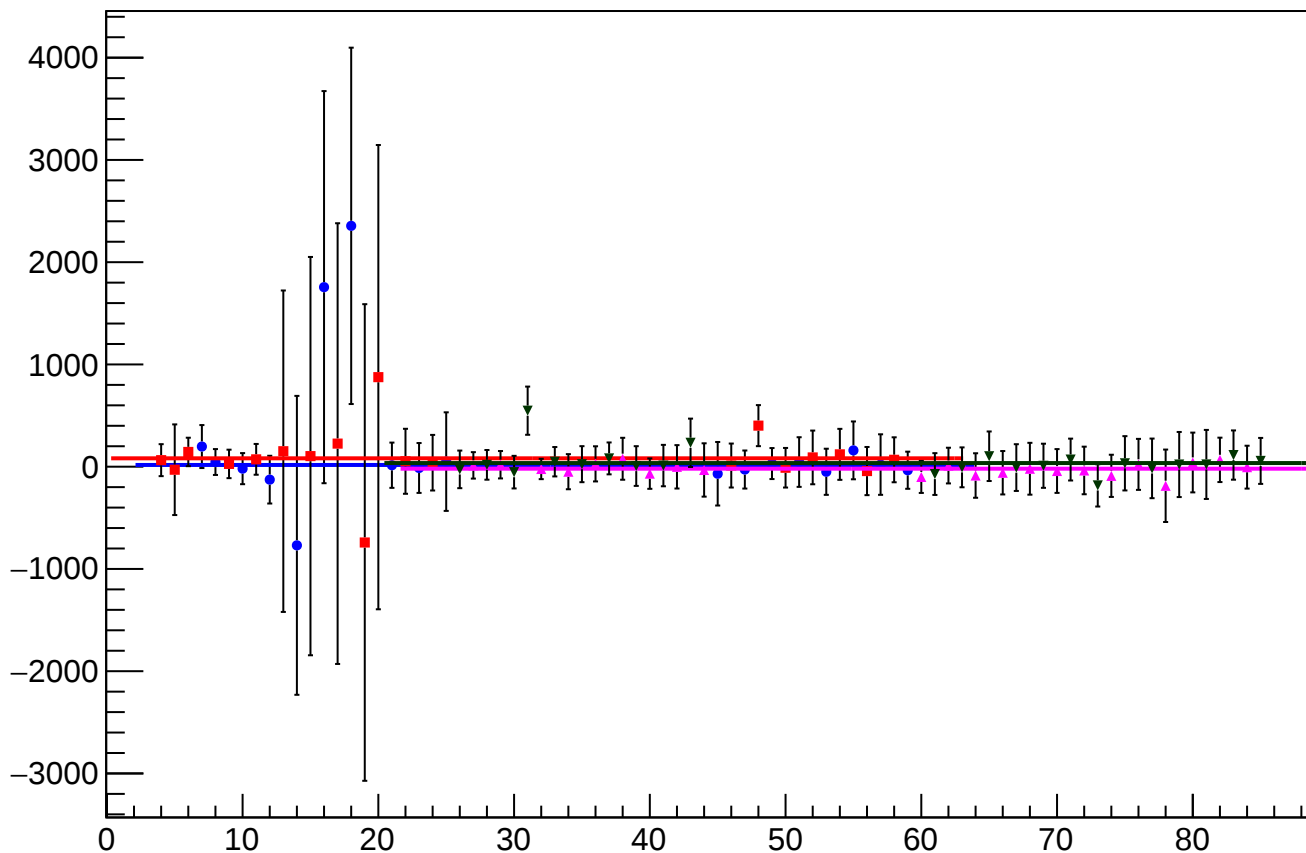
22.357+/-0.003 χ^2/NDF : 5474577.1/40

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

22.124+/-0.004 χ^2/NDF : 6126258.8/40

Left In: 21.456+/-0.004 χ^2/NDF : 495579.3/21

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs slug



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

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

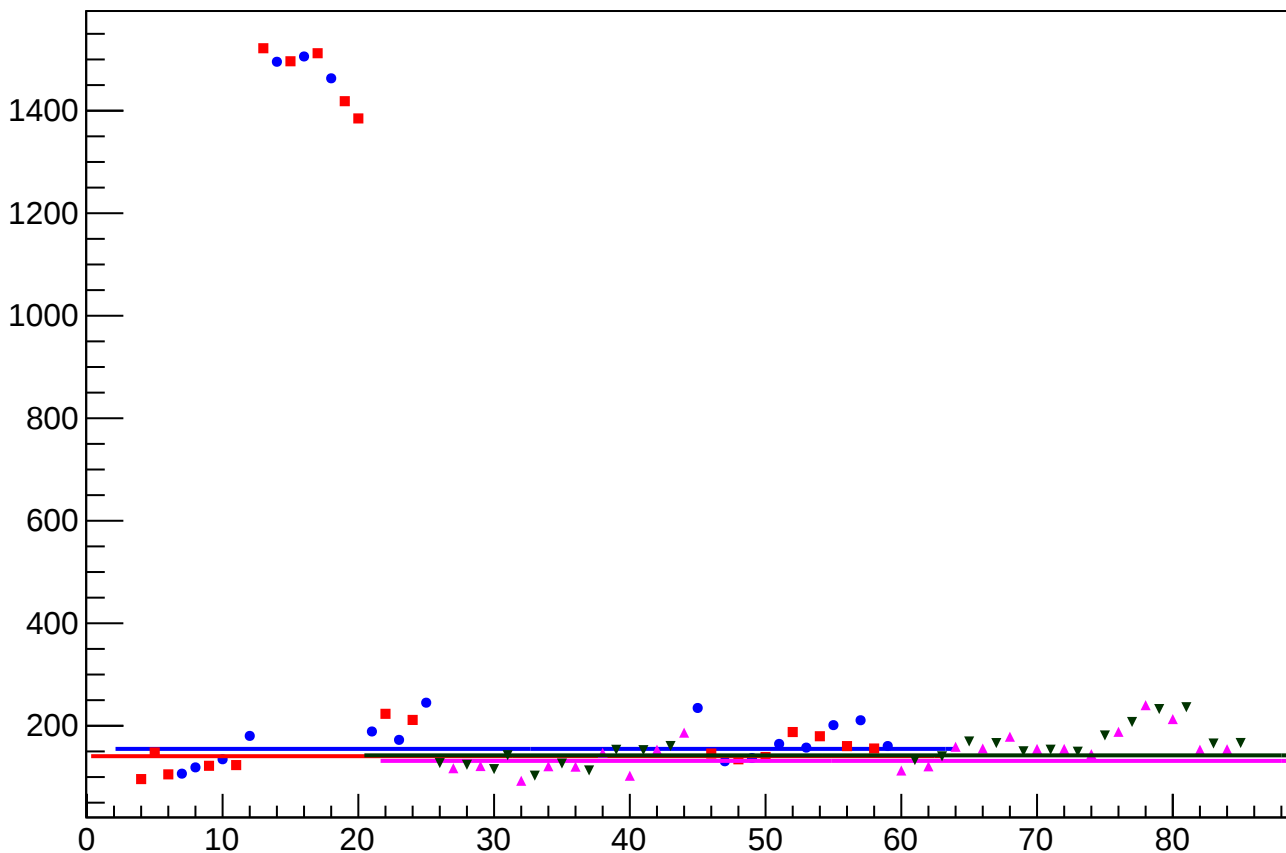
Right Out: 81.906+/-52.666 χ^2/NDF : 3.9/18

Left In: -19.636+/-38.737 χ^2/NDF : 1.6/21

28.240+/-32.884 χ^2/NDF : 12.6/40

16.013+/-31.205 χ^2/NDF : 7.9/40

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs slug



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

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

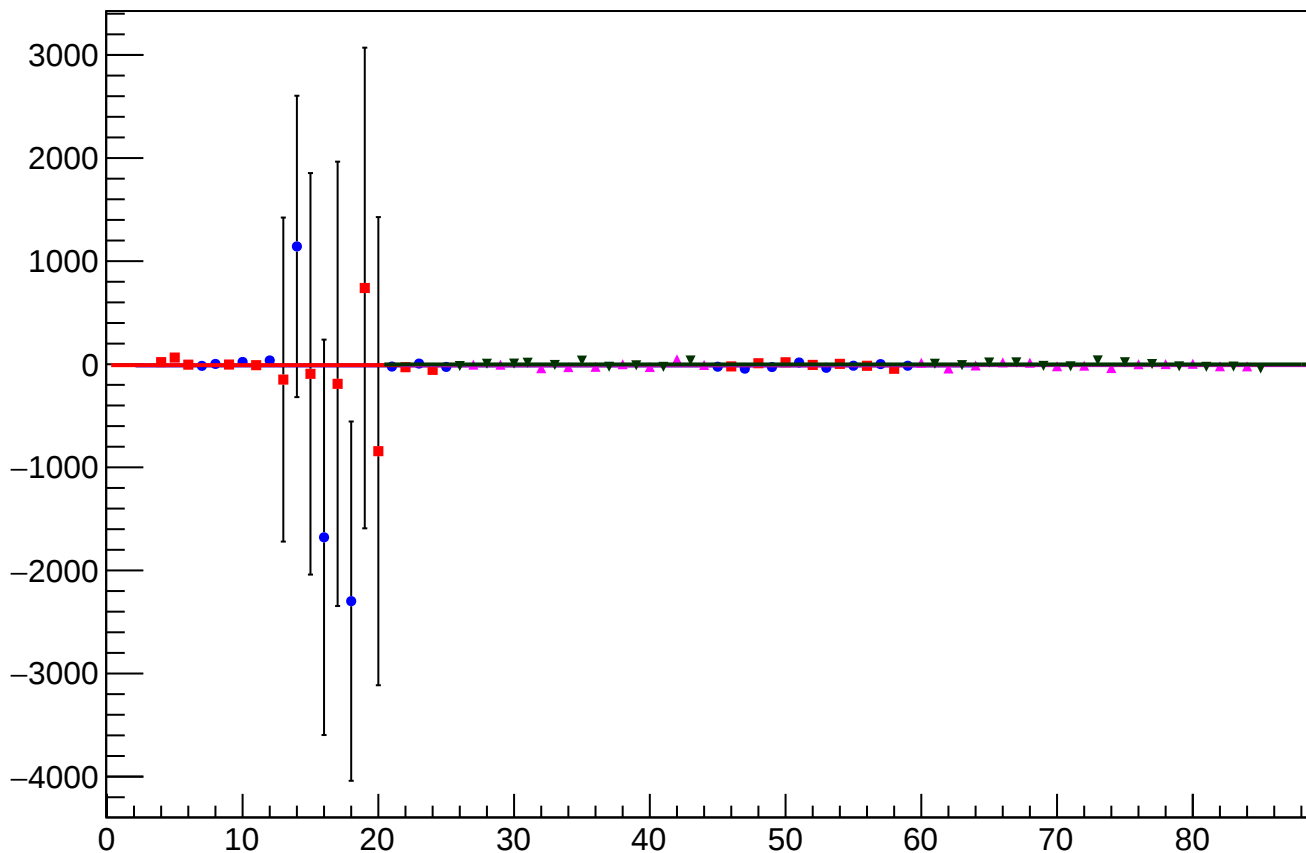
Right Out: 140.710 $\pm$ 0.037 χ^2 /NDF: 5291988.7/18

Left In: 131.529 $\pm$ 0.027 χ^2 /NDF: 1260792.8/21

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

134.752 $\pm$ 0.022 χ^2 /NDF: 6592217.2/40

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs slug



Right In: -11.332+/-5.773 χ^2/NDF : 15.0/17

Left Out: -2.017+/-4.727 χ^2/NDF : 20.2/22

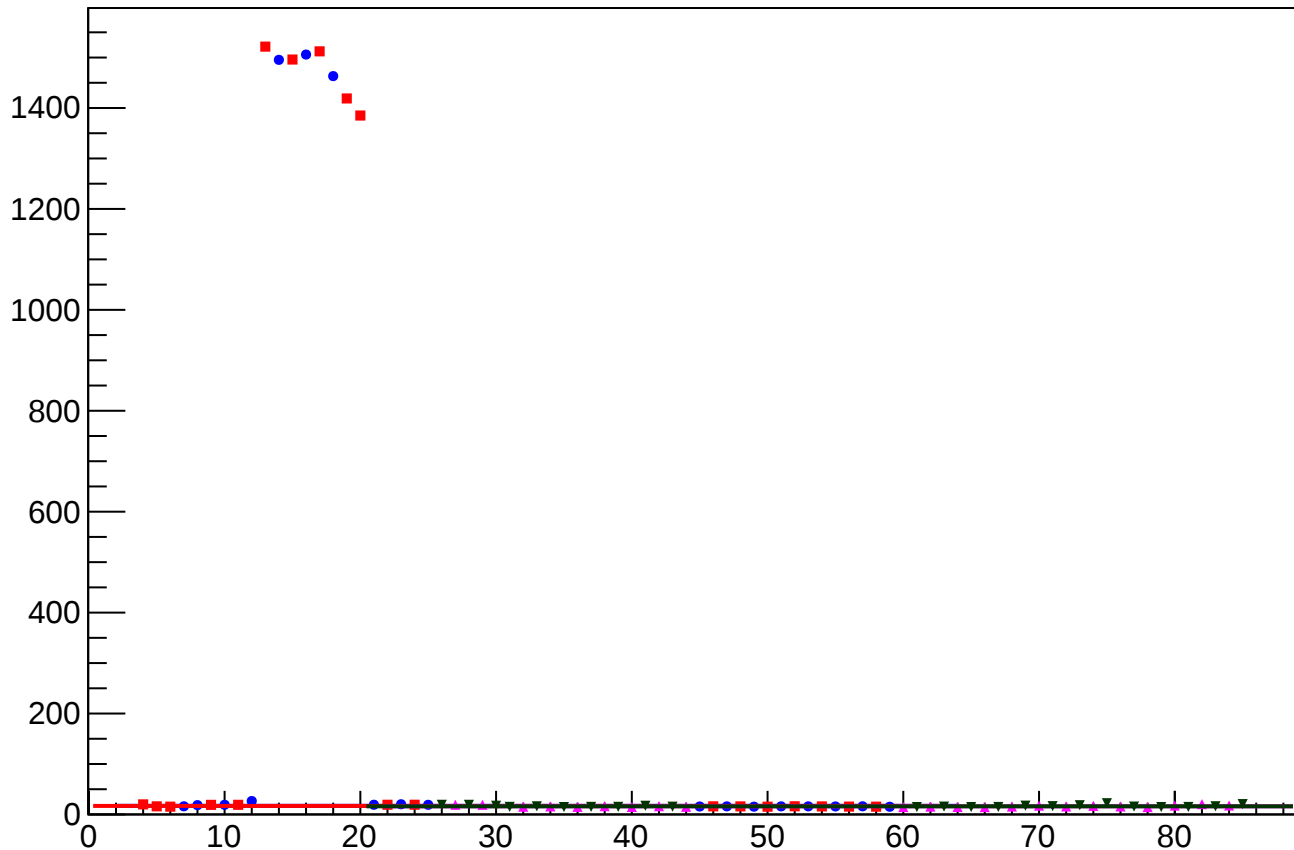
Right Out: -8.864+/-6.293 χ^2/NDF : 13.3/18

Left In: -8.782+/-4.662 χ^2/NDF : 20.6/21

-5.756+/-3.658 χ^2/NDF : 36.8/40

-8.811+/-3.746 χ^2/NDF : 33.9/40

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs slug



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

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

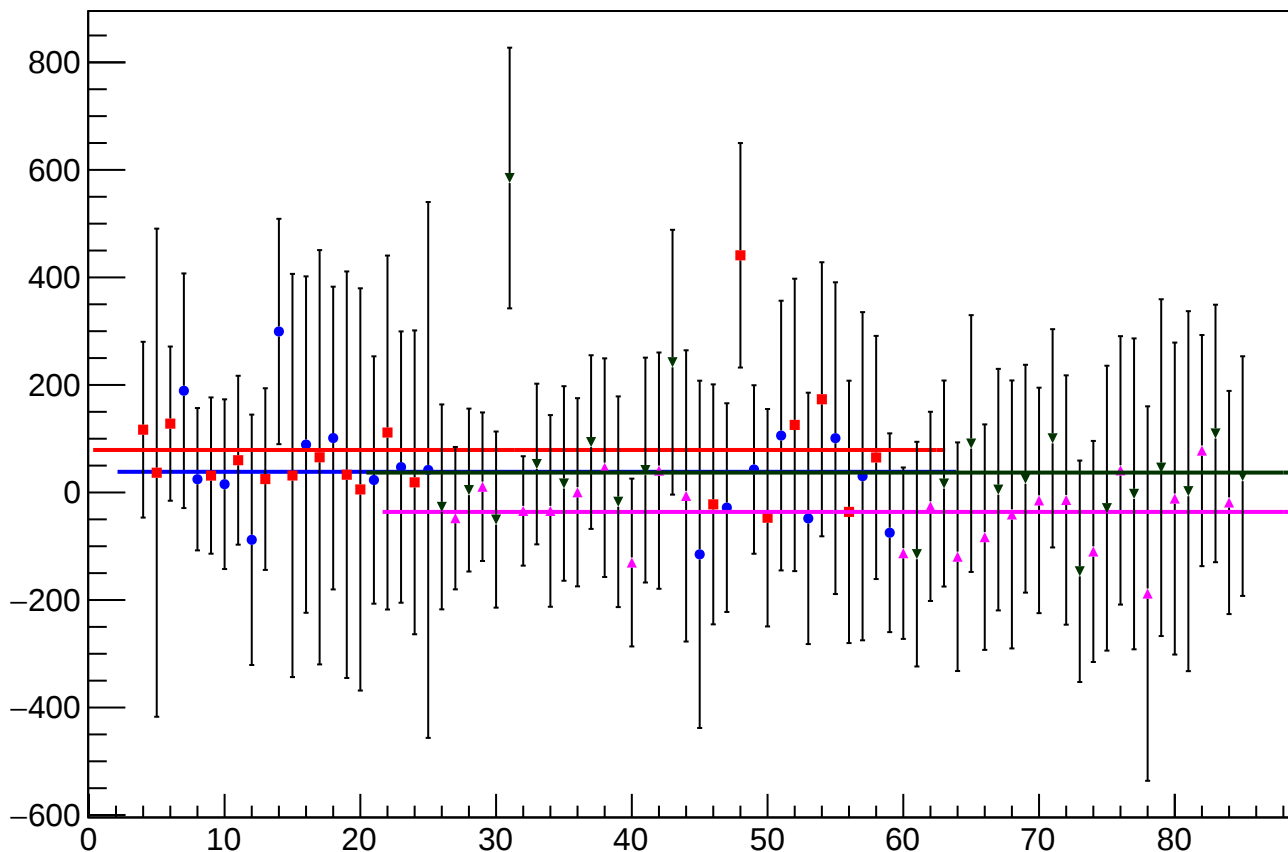
Right Out: 16.920+/-0.004 χ^2/NDF : 5539958.1/18

Left In: 16.169+/-0.003 χ^2/NDF : 216701.5/21

16.529+/-0.003 χ^2/NDF : 5236972.5/40

16.435+/-0.003 χ^2/NDF : 5775049.3/40

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs slug



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

Left Out: 37.000+/-42.836 χ^2/NDF : 8.2/22

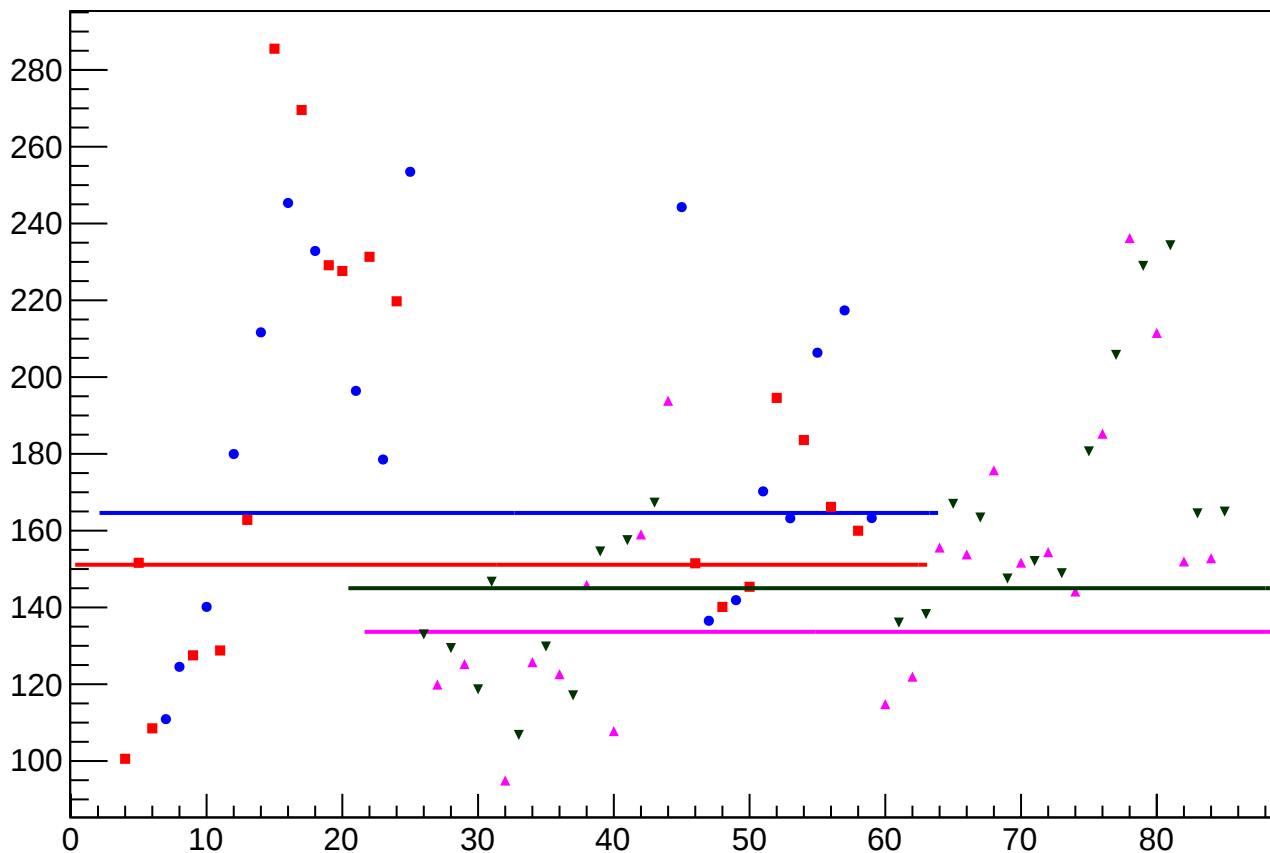
Right Out: 79.078+/-50.233 χ^2/NDF : 4.5/18

Left In: -36.169+/-39.273 χ^2/NDF : 2.0/21

37.599+/-32.812 χ^2/NDF : 11.6/40

7.550+/-30.940 χ^2/NDF : 9.8/40

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs slug



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

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

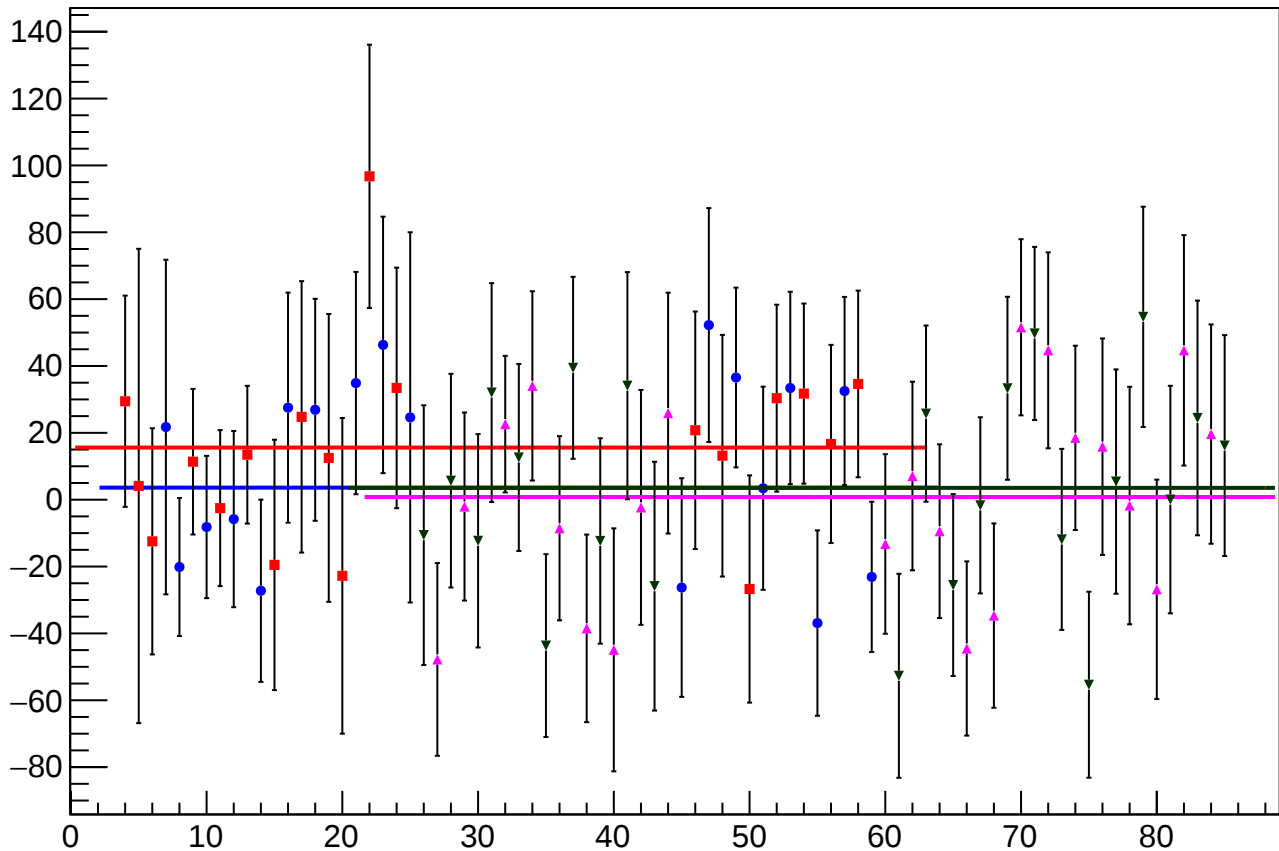
153.113 $\pm$ 0.023 χ^2 /NDF: 2095352.9/40

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

140.275 $\pm$ 0.022 χ^2 /NDF: 2695930.1/40

Left In: 133.644 $\pm$ 0.028 χ^2 /NDF: 1122209.3/21

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs slug



Right In: 3.606 $\pm$ 6.842 χ^2 /NDF: 16.3/17

Left Out: 3.535 $\pm$ 6.280 χ^2 /NDF:25.1/22

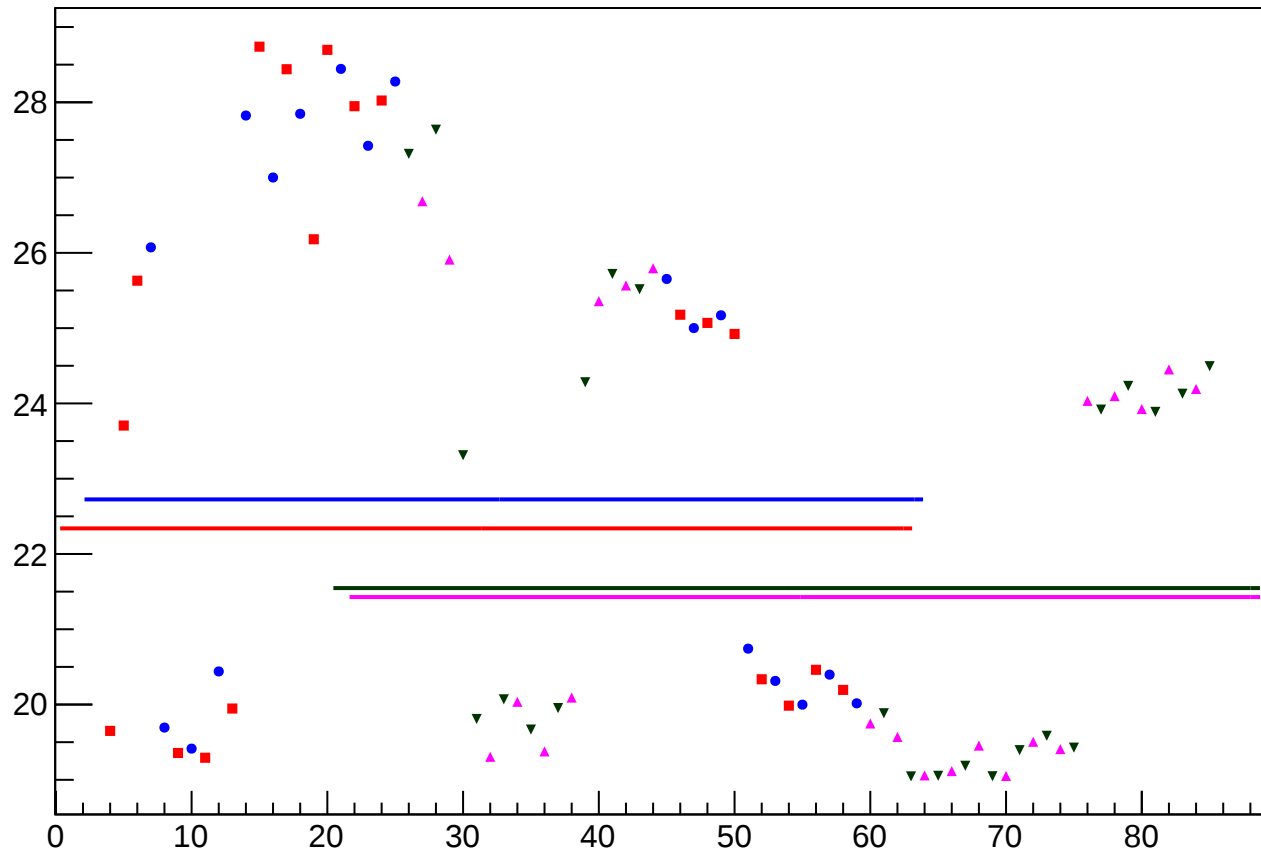
Right Out: 15.596 $\pm$ 7.143 χ^2 /NDF: 10.3/18

Left In: 0.811 $\pm$ 6.164 χ^2 /NDF:23.9/21

3.567 $\pm$ 4.626 χ^2 /NDF: 41.4/40

7.122 $\pm$ 4.667 χ^2 /NDF: 36.7/40

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs slug



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

Left Out: 21.547 $\pm$ 0.004 χ^2 /NDF: 387997.0/22

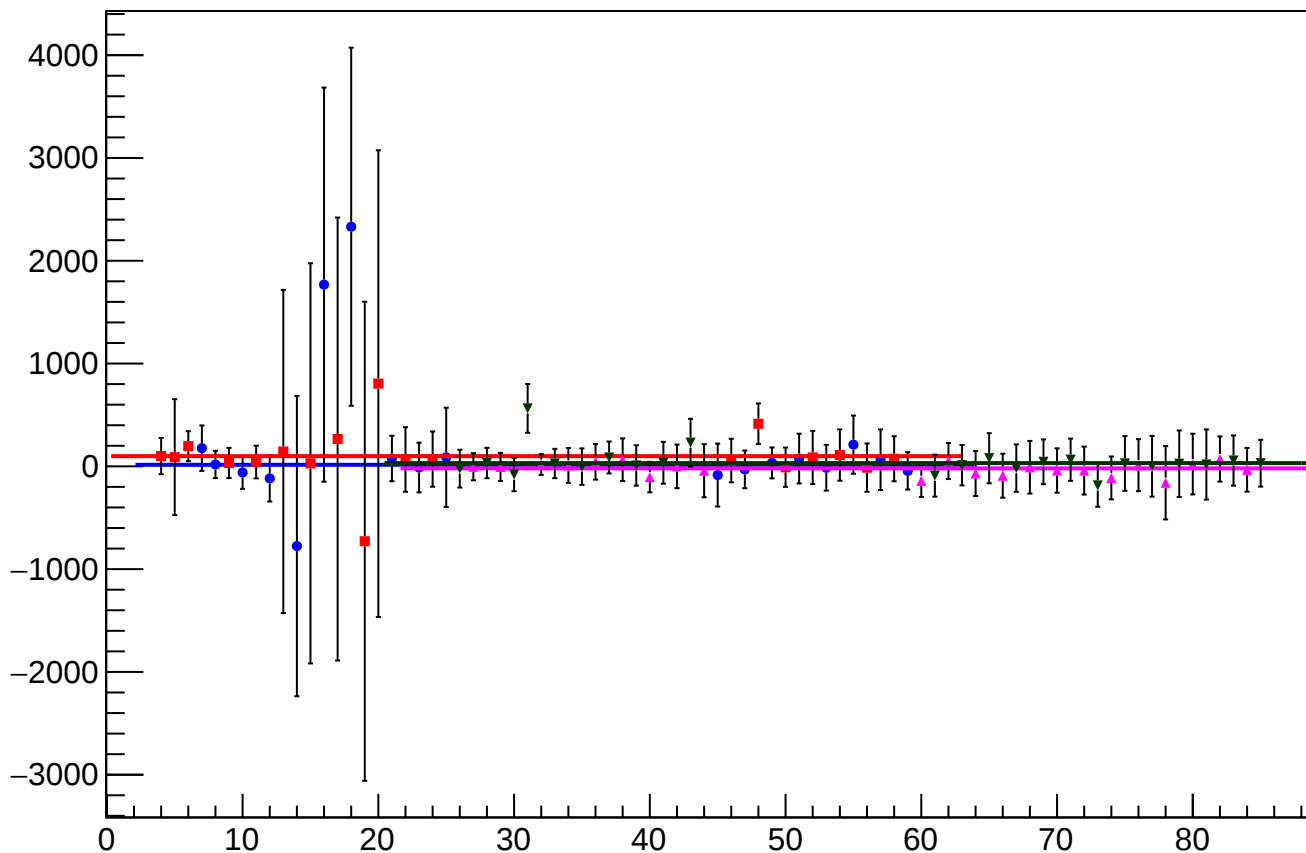
Right Out: 22.340 $\pm$ 0.005 χ^2 /NDF: 460008.2/18

Left In: 21.428 $\pm$ 0.004 χ^2 /NDF: 400003.8/21

22.086 $\pm$ 0.003 χ^2 /NDF: 918949.4/40

21.817 $\pm$ 0.003 χ^2 /NDF: 878691.6/40

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs slug



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

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

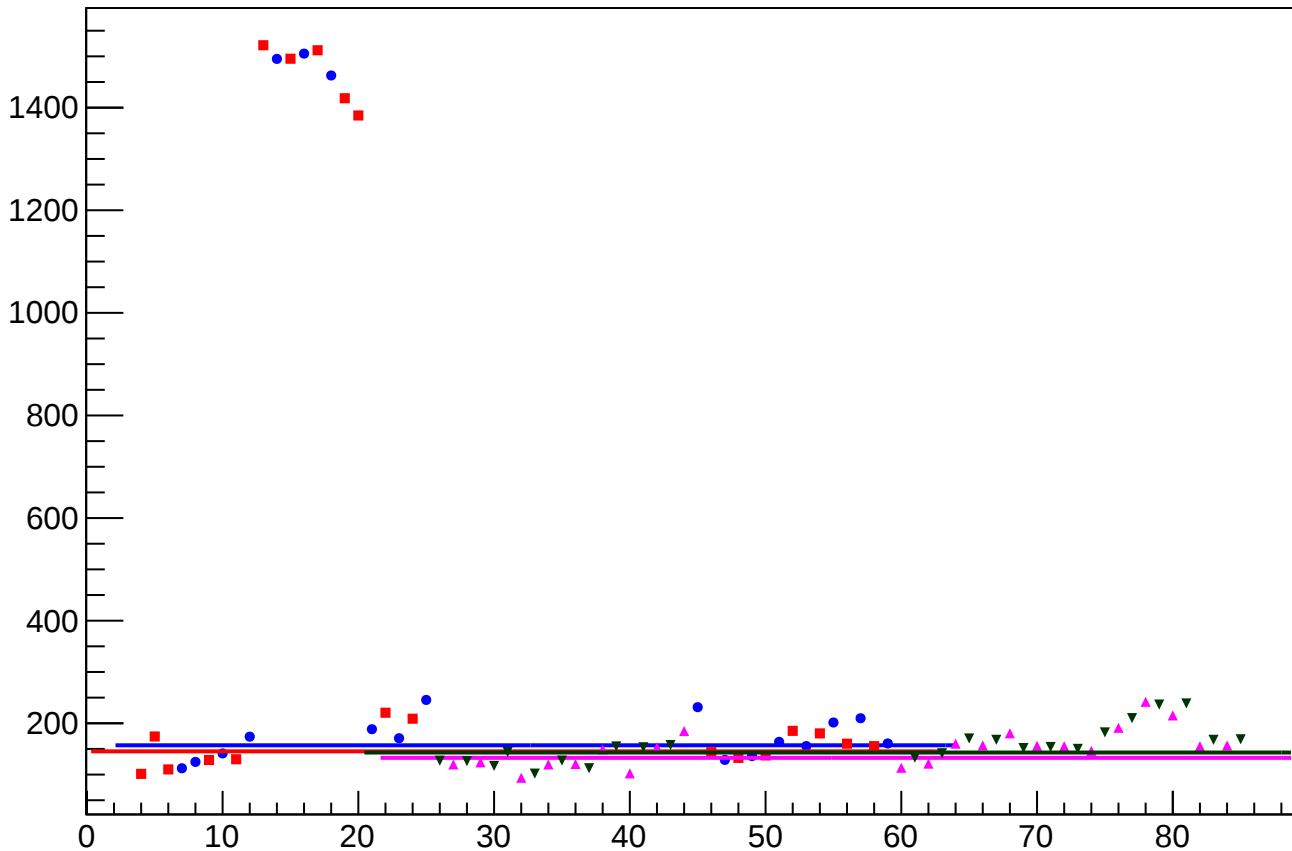
Right Out: 99.514+/-54.286 χ^2/NDF : 4.2/18

Left In: -19.434+/-39.057 χ^2/NDF : 2.3/21

25.135+/-33.122 χ^2/NDF : 13.1/40

21.136+/-31.704 χ^2/NDF : 9.7/40

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs slug



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

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

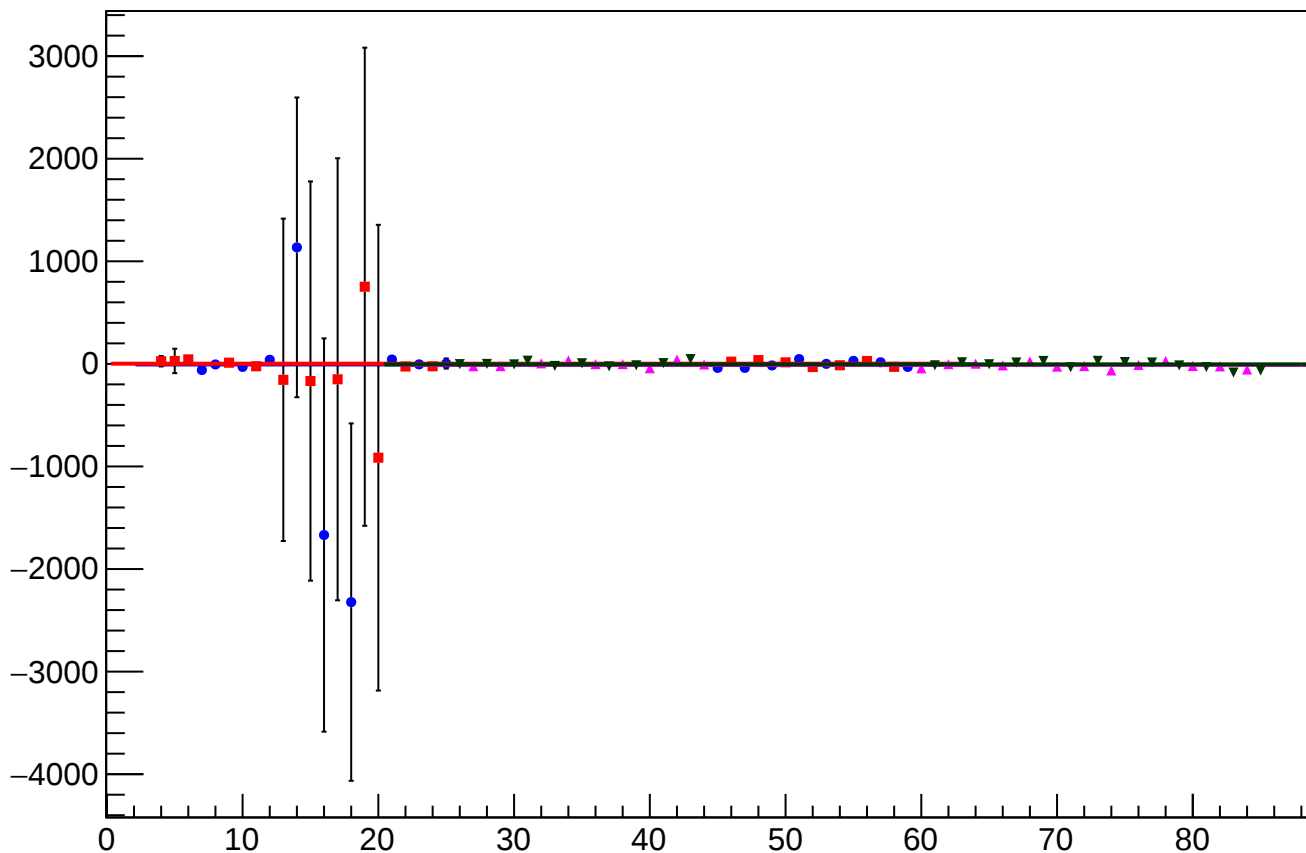
148.504 $\pm$ 0.023 χ^2 /NDF: 5497205.6/40

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

136.956 $\pm$ 0.022 χ^2 /NDF: 6454102.1/40

Left In: 132.637 $\pm$ 0.028 χ^2 /NDF:1258259.8/21

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs slug



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

Left Out: -4.918+/-6.110 χ^2/NDF : 21.9/22

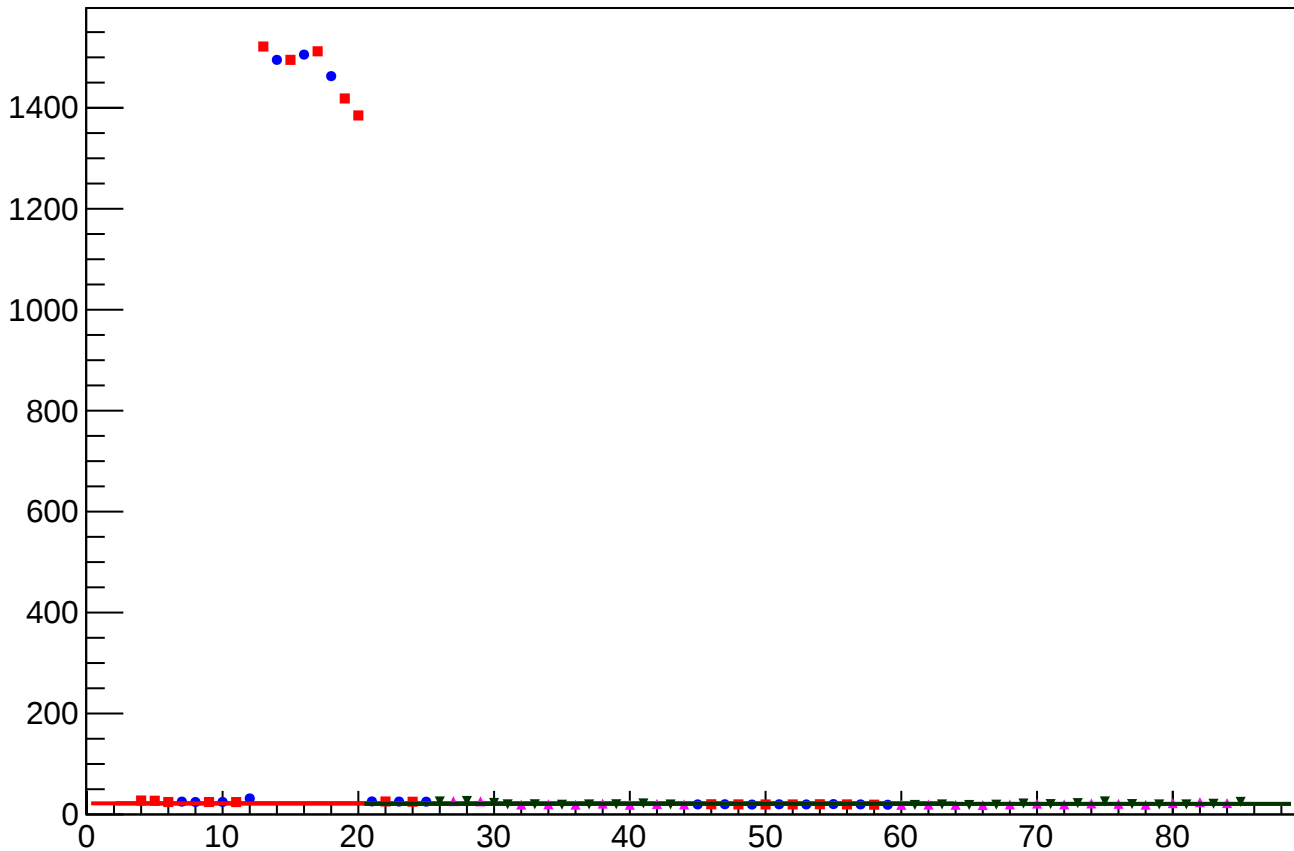
Right Out: 1.722+/-8.261 χ^2/NDF : 10.4/18

Left In: -9.700+/-5.999 χ^2/NDF : 19.2/21

-5.220+/-4.709 χ^2/NDF : 40.7/40

-5.757+/-4.854 χ^2/NDF : 30.8/40

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs slug



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

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

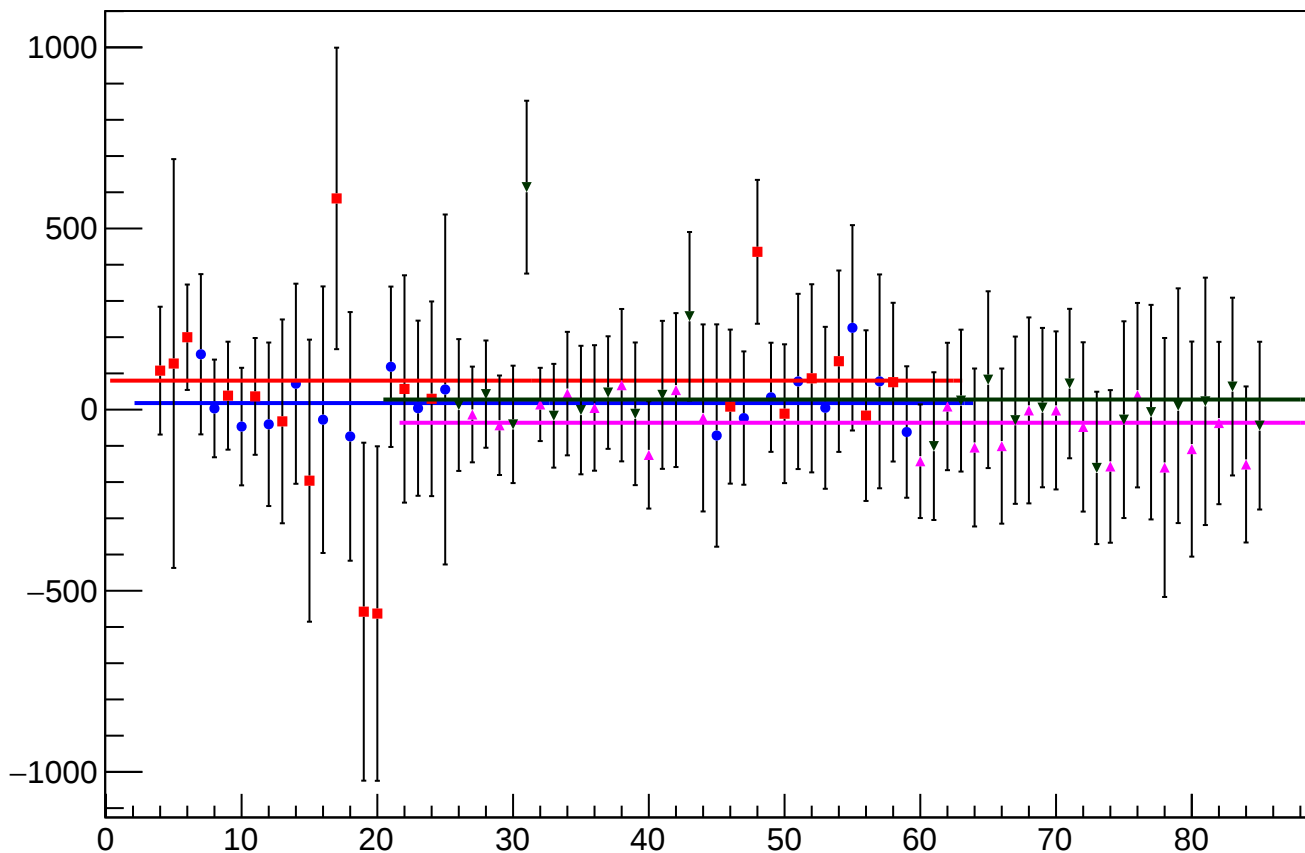
21.346 $\pm$ 0.003 χ^2 /NDF: 5191850.9/40

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

21.254 $\pm$ 0.003 χ^2 /NDF: 5829289.8/40

Left In: 20.868 $\pm$ 0.004 χ^2 /NDF:245300.2/21

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs slug



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

Left Out: 27.922+/-42.544 χ^2/NDF : 8.9/22

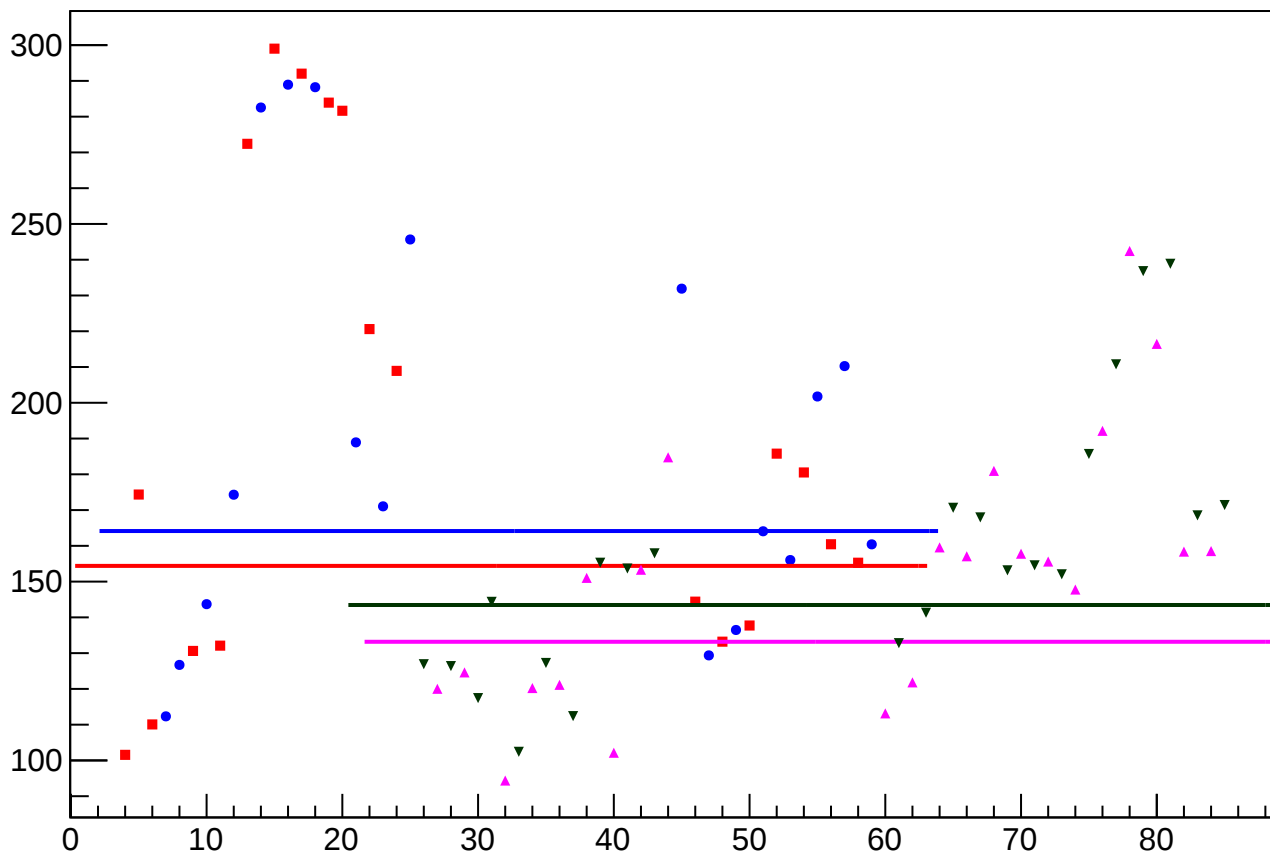
Right Out: 80.043+/-52.081 χ^2/NDF : 10.6/18

Left In: -36.235+/-39.219 χ^2/NDF : 3.0/21

23.925+/-32.756 χ^2/NDF : 10.9/40

5.841+/-31.329 χ^2/NDF : 16.8/40

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs slug



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

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

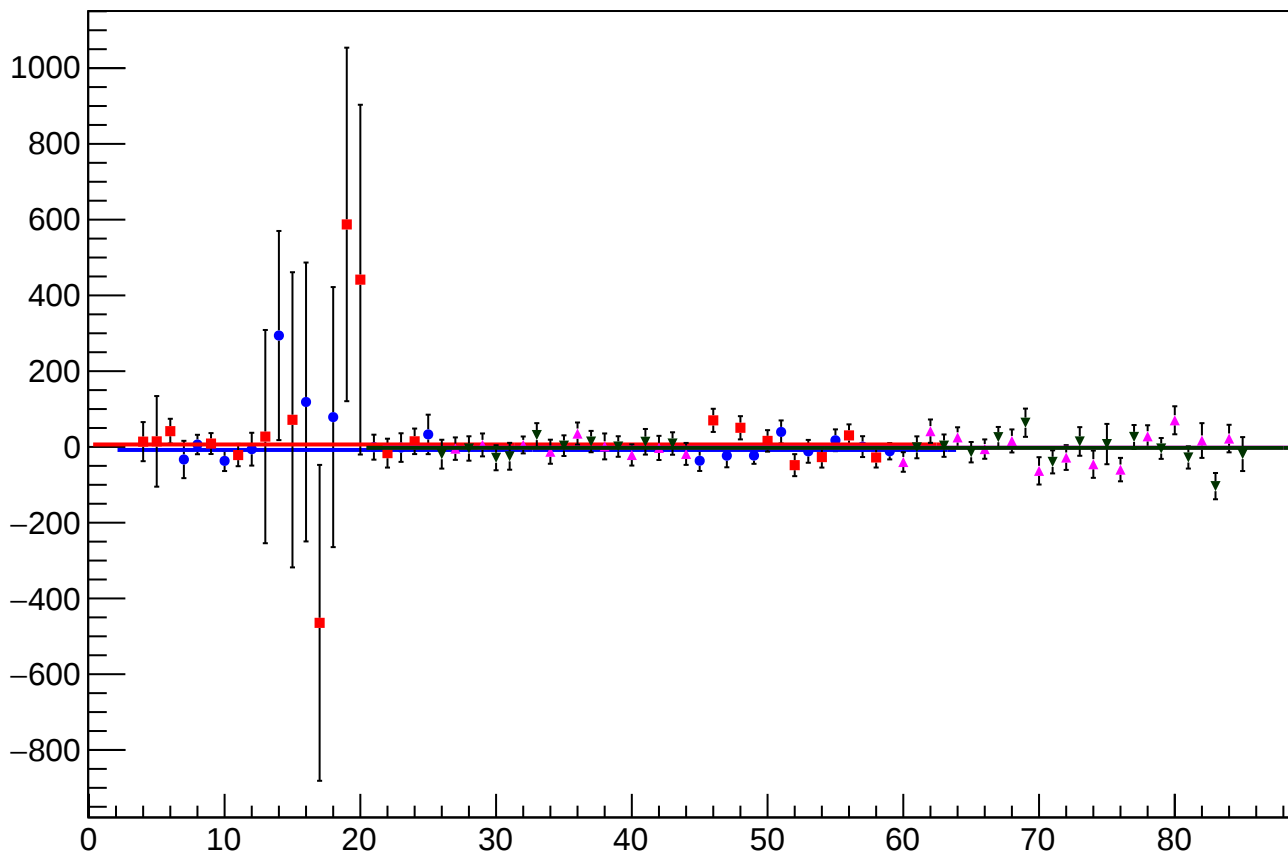
151.881 $\pm$ 0.023 χ^2 /NDF: 2724462.7/40

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

140.854 $\pm$ 0.022 χ^2 /NDF: 3353318.5/40

Left In: 133.175 $\pm$ 0.028 χ^2 /NDF: 1265883.1/21

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs slug



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

Left Out: -2.429+/-6.575 χ^2/NDF : 19.6/22

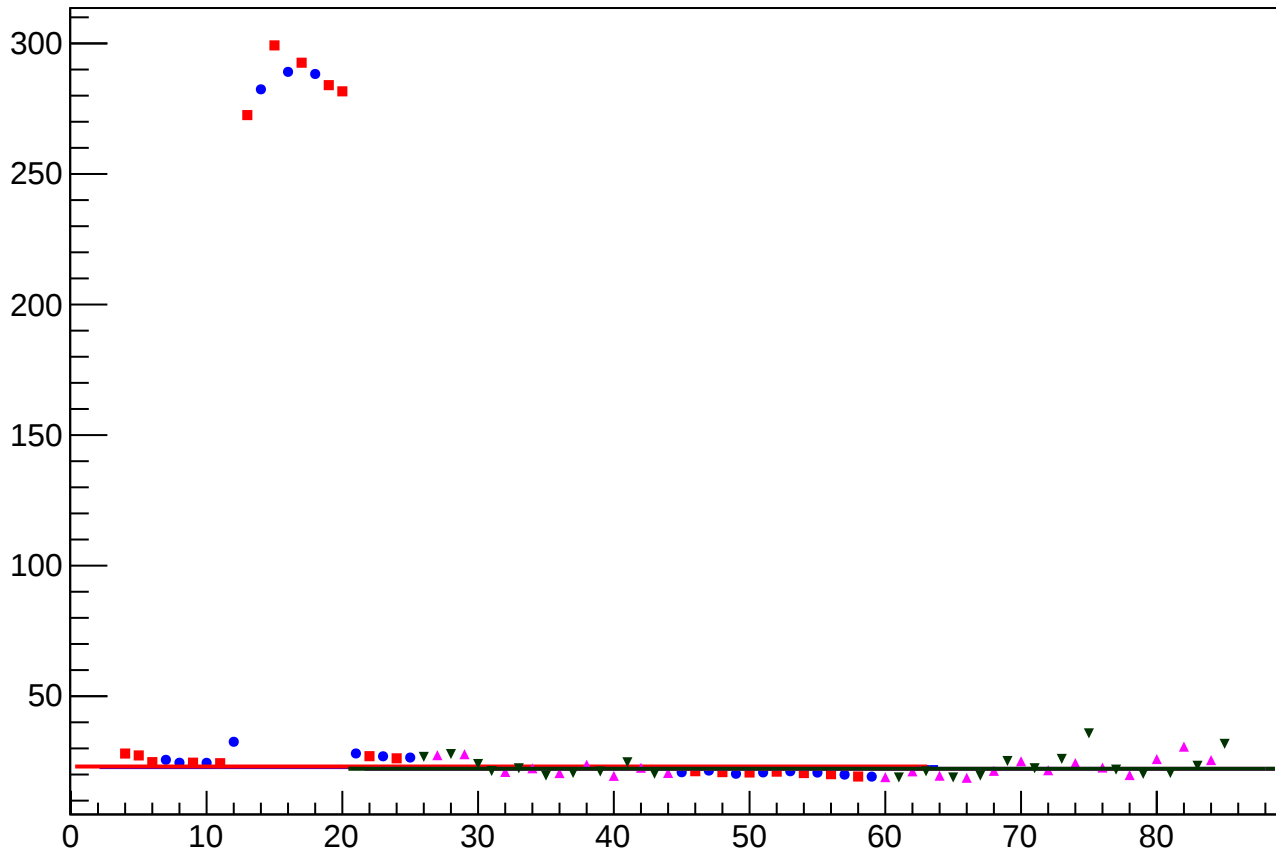
Right Out: 6.463+/-8.479 χ^2/NDF : 20.1/18

Left In: -1.948+/-6.465 χ^2/NDF : 22.2/21

-4.805+/-4.974 χ^2/NDF : 28.9/40

1.144+/-5.141 χ^2/NDF : 42.9/40

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs slug



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

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

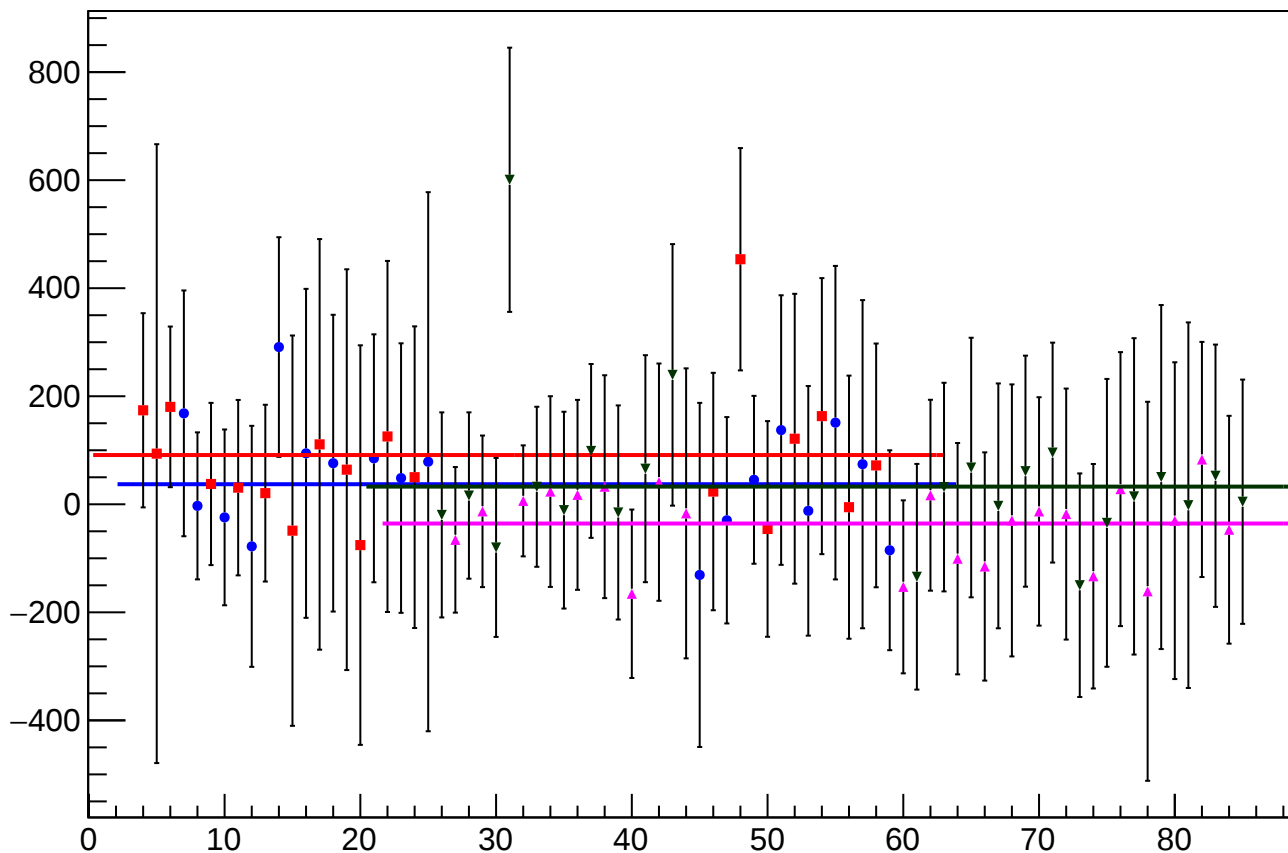
Right Out: 23.069+/-0.006 χ^2/NDF : 4856723.7/18

Left In: 22.158+/-0.005 χ^2/NDF : 401502.3/21

22.487+/-0.004 χ^2/NDF : 4865744.7/40

22.493+/-0.004 χ^2/NDF : 5272822.2/40

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs slug



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

Left Out: 32.705+/-43.058 χ^2/NDF : 8.7/22

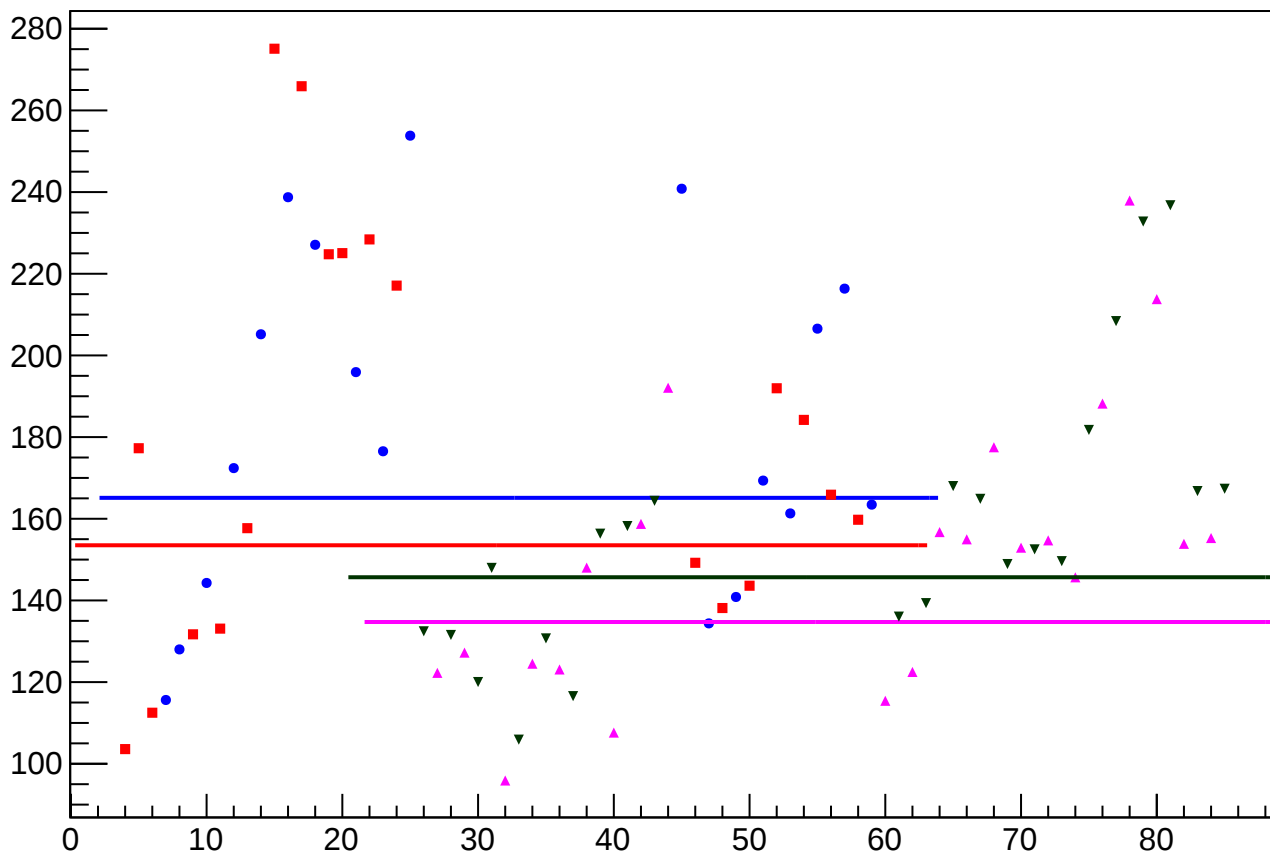
Right Out: 91.157+/-50.934 χ^2/NDF : 5.3/18

Left In: -35.598+/-39.582 χ^2/NDF : 3.0/21

34.555+/-32.911 χ^2/NDF : 12.4/40

12.129+/-31.254 χ^2/NDF : 12.2/40

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs slug



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

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

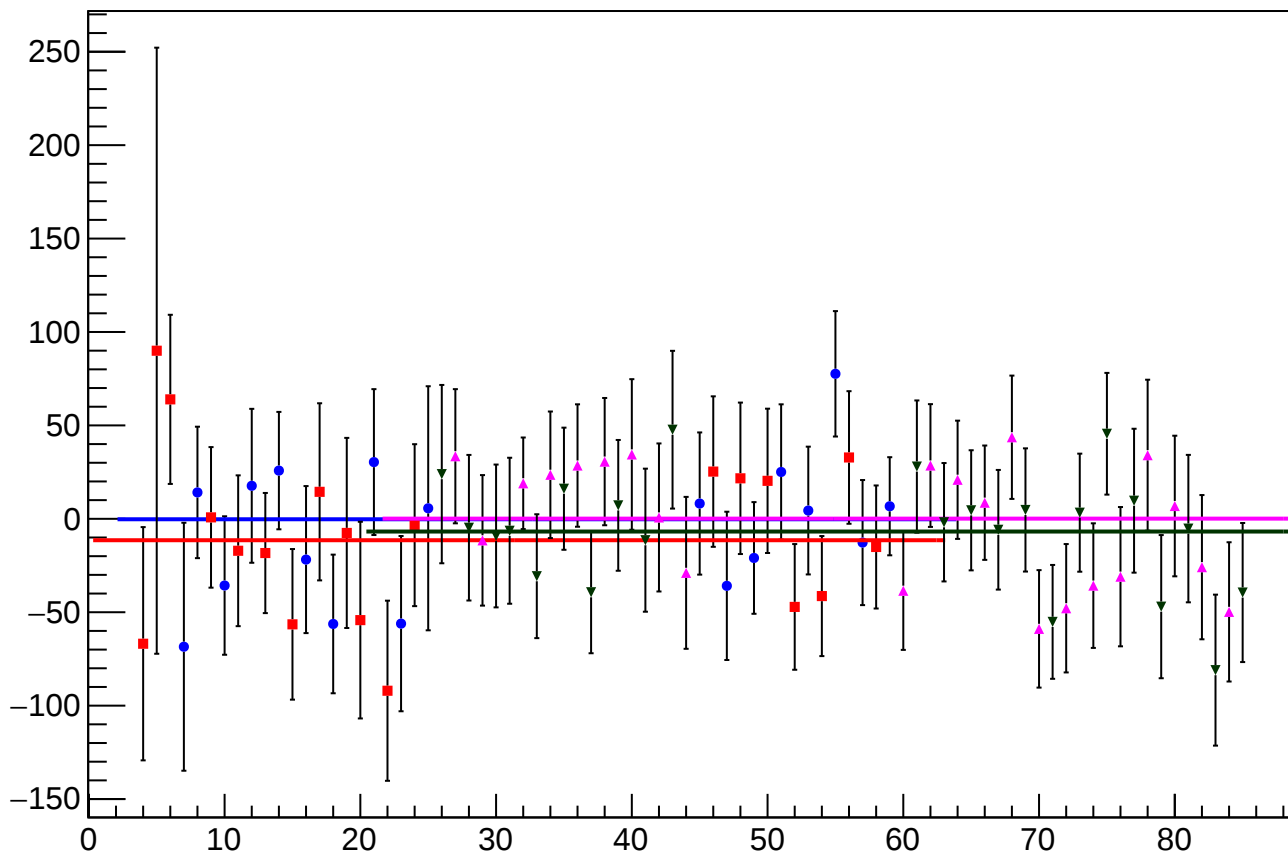
153.765+/-0.023 χ^2/NDF : 1981075.7/40

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

141.793+/-0.022 χ^2/NDF : 2529038.3/40

Left In: 134.718+/-0.028 χ^2/NDF : 1120713.7/21

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs slug



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

Left Out: -6.808 ± 7.394 χ^2/NDF : 16.1/22

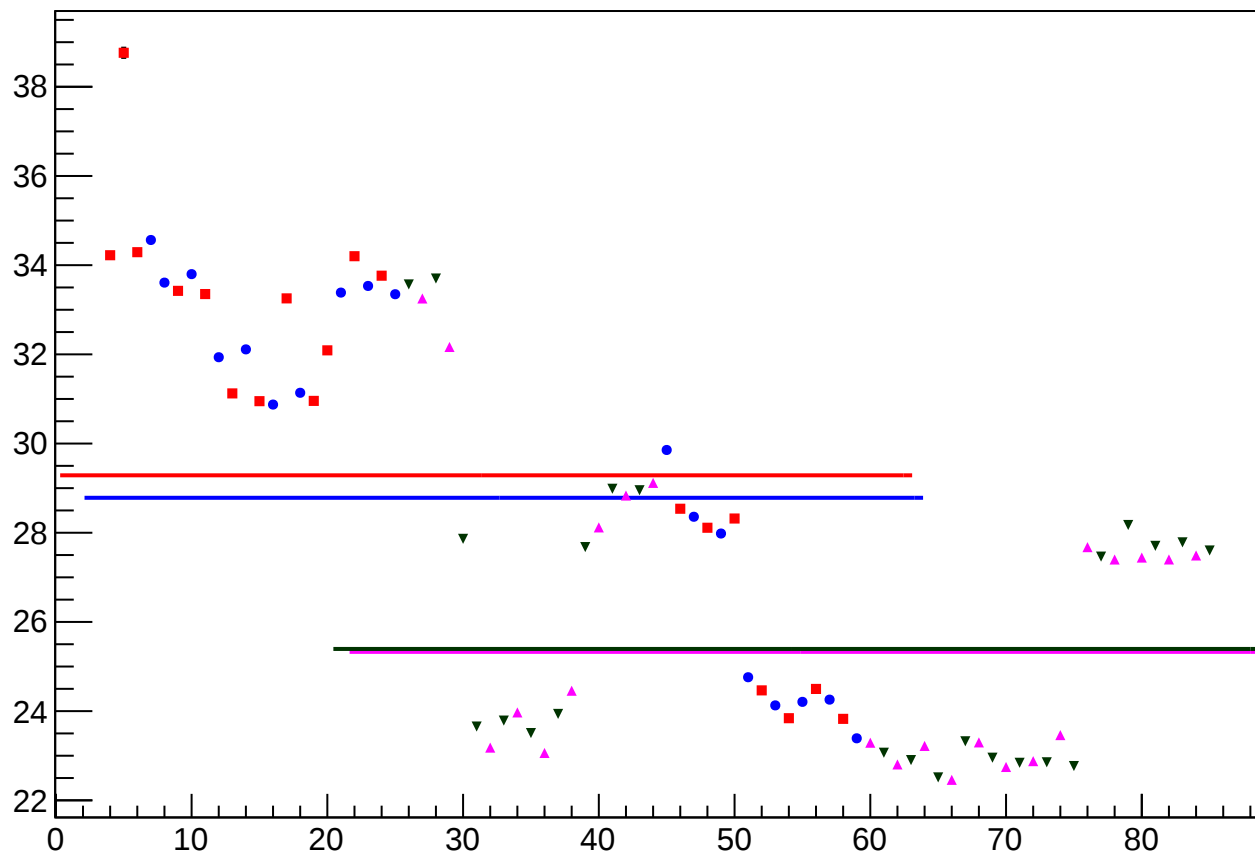
Right Out: -11.462 ± 9.405 χ^2/NDF : 14.9/18

Left In: 0.100 ± 7.278 χ^2/NDF : 19.6/21

-4.033 ± 5.619 χ^2/NDF : 31.5/40

-4.230 ± 5.756 χ^2/NDF : 35.5/40

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs slug



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

Left Out: 25.394+/-0.005 χ^2/NDF :351112.4/22

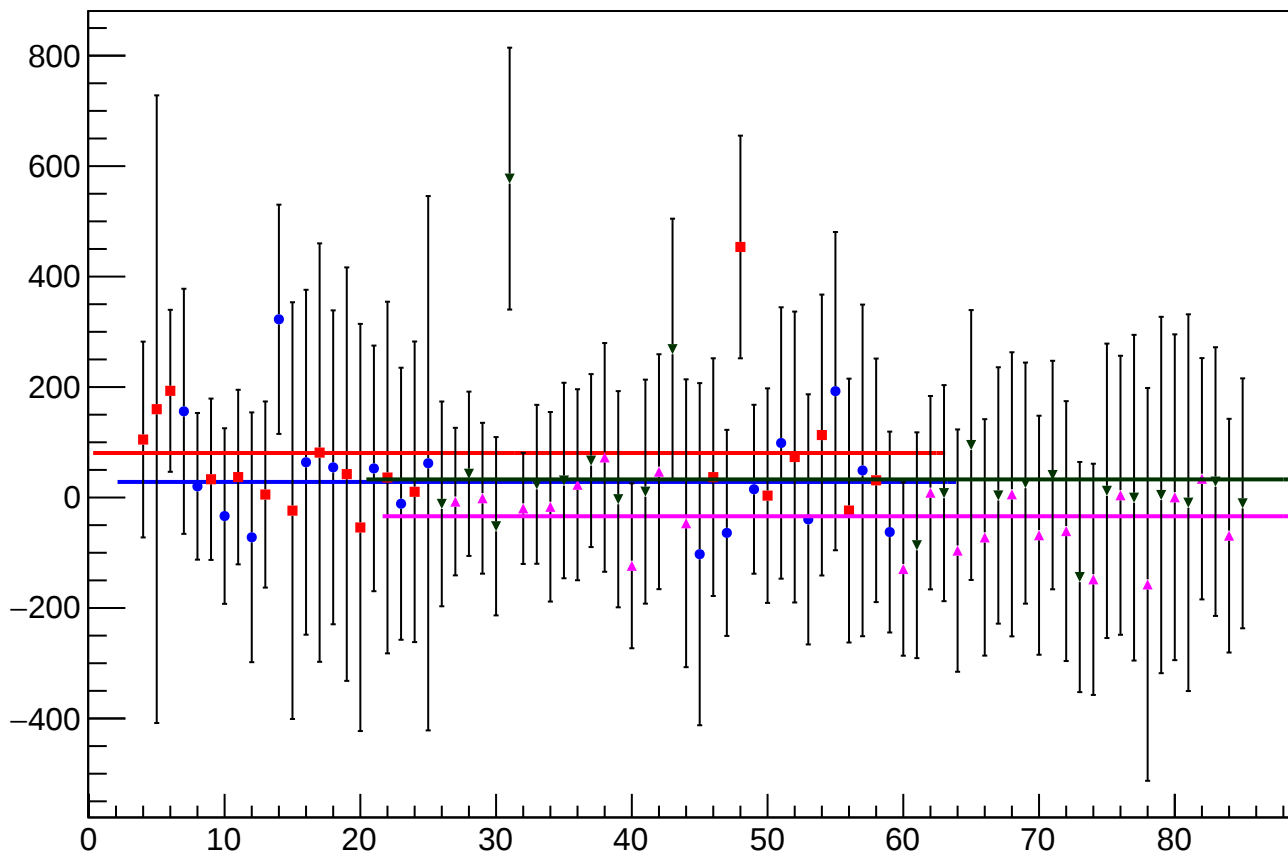
Right Out: 29.288+/-0.007 χ^2/NDF : 355757.4/18

Left In: 25.329+/-0.005 χ^2/NDF :362122.6/21

26.826+/-0.004 χ^2/NDF : 947144.3/40

26.812+/-0.004 χ^2/NDF : 939500.1/40

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs slug



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

Left Out: 32.821+/-42.528 χ^2/NDF : 7.9/22

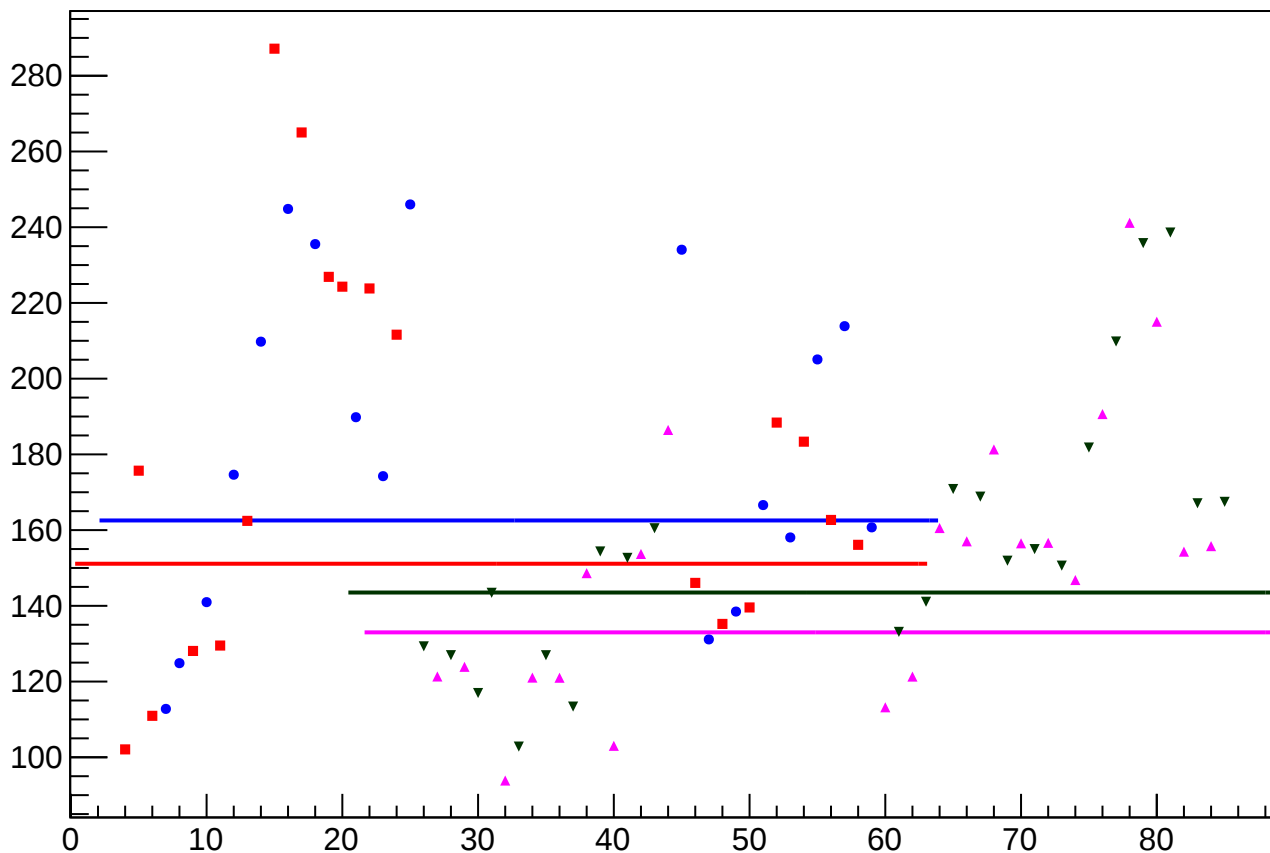
Right Out: 80.614+/-50.242 χ^2/NDF : 5.2/18

Left In: -33.895+/-39.147 χ^2/NDF : 2.2/21

30.907+/-32.490 χ^2/NDF : 11.9/40

9.362+/-30.880 χ^2/NDF : 10.6/40

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs slug



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

Left Out: 143.515 $\pm$ 0.030 χ^2 /NDF: 931218.5/22

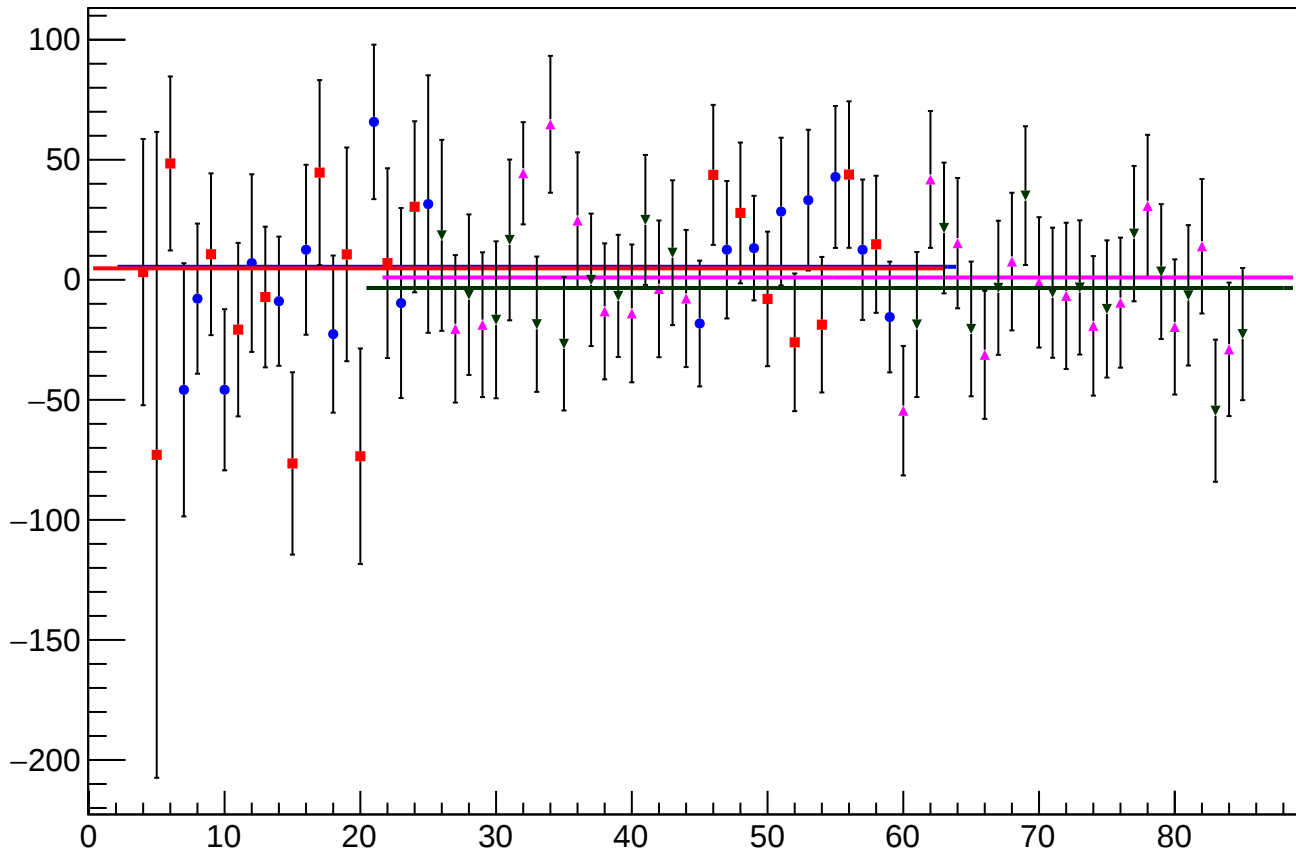
151.440 $\pm$ 0.023 χ^2 /NDF: 2187308.7/40

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

139.839 $\pm$ 0.022 χ^2 /NDF: 2716596.6/40

Left In: 132.992 $\pm$ 0.028 χ^2 /NDF: 1248179.8/21

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs slug



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

Left Out: -3.397 ± 6.036 χ^2/NDF : 10.7/22

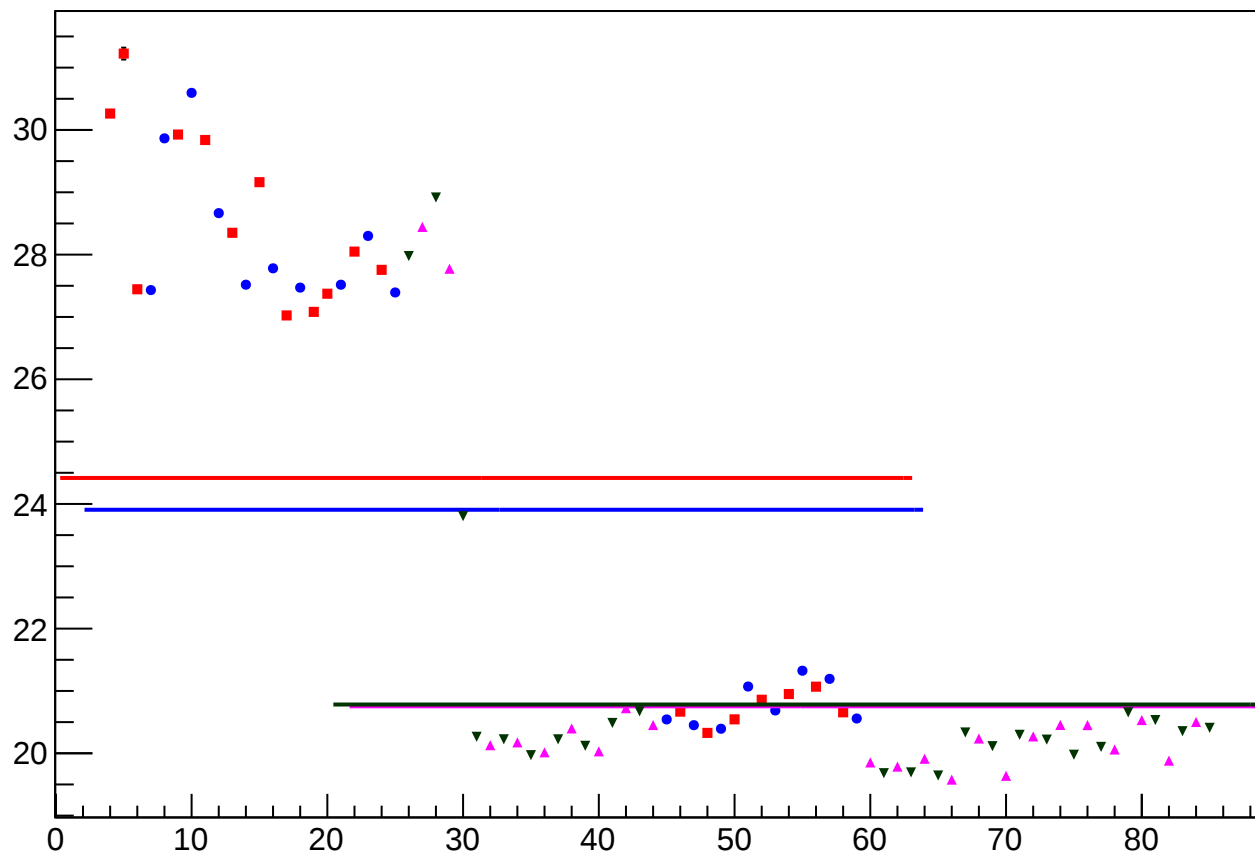
Right Out: 4.784 ± 7.872 χ^2/NDF : 17.9/18

Left In: 0.975 ± 5.945 χ^2/NDF : 23.1/21

0.242 ± 4.627 χ^2/NDF : 24.9/40

2.359 ± 4.744 χ^2/NDF : 41.2/40

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs slug



Right In: 23.907+/-0.005 χ^2/NDF : 565903.0/17

Left Out: 20.782+/-0.004 χ^2/NDF : 222231.0/22

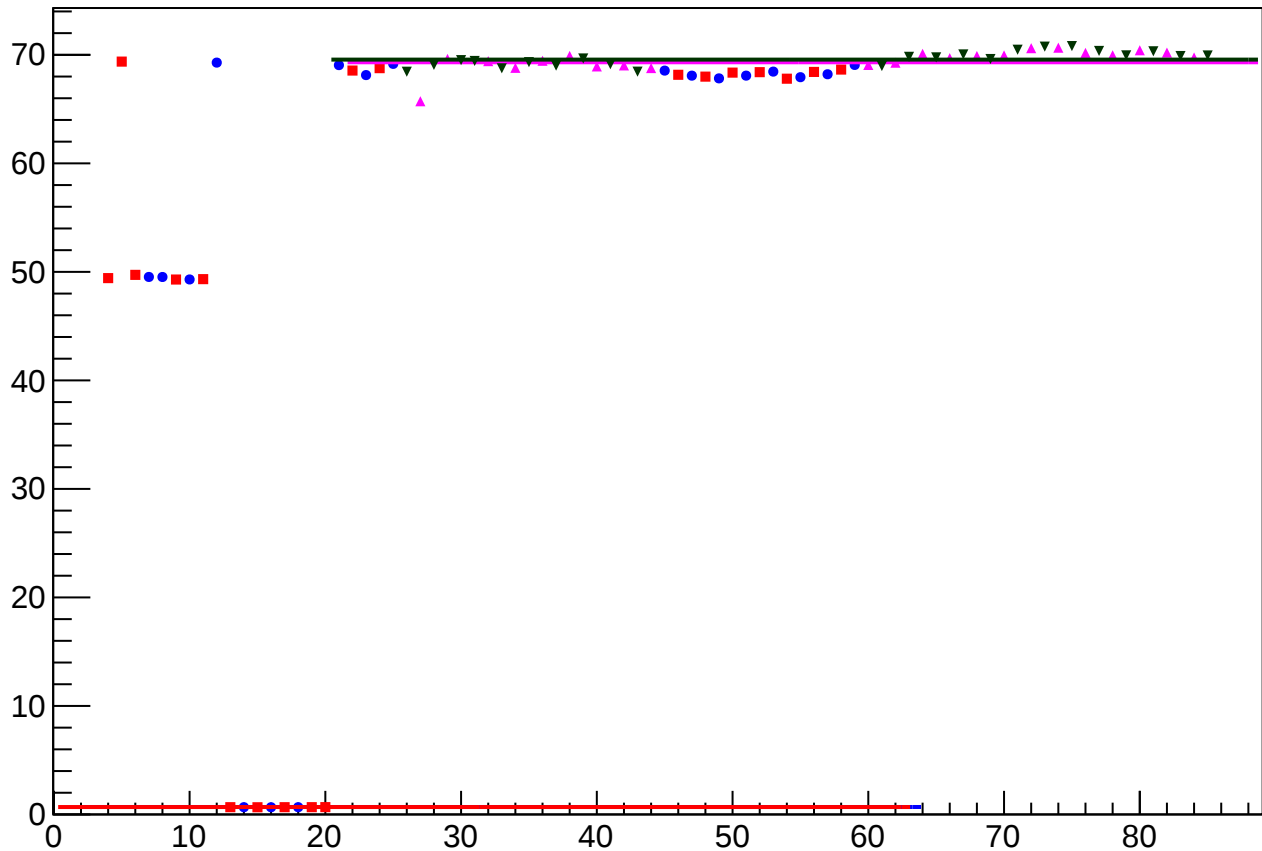
Right Out: 24.417+/-0.006 χ^2/NDF : 496476.9/18

Left In: 20.753+/-0.004 χ^2/NDF : 258068.0/21

22.071+/-0.003 χ^2/NDF : 1009156.0/40

22.084+/-0.003 χ^2/NDF : 1030401.2/40

yield_bcm_an_ds_mean vs slug



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

Left Out: 69.561+/-0.000 χ^2/NDF : 129851130.0/22

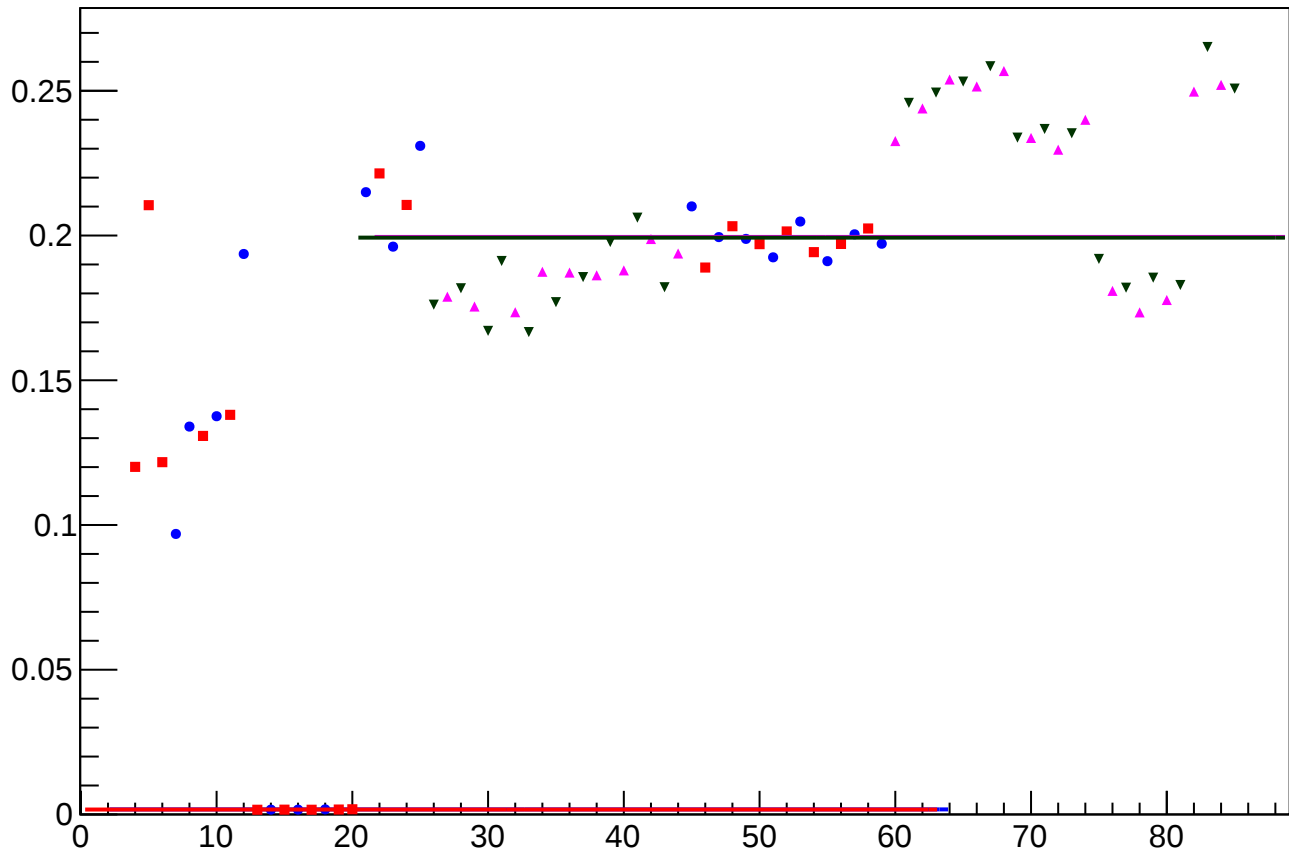
0.712+/-0.000 χ^2/NDF : 2401420796380.5/40

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

0.704+/-0.000 χ^2/NDF : 2236704361364.6/40

Left In: 69.315+/-0.000 χ^2/NDF : 438077724.7/21

yield_bcm_an_ds_rms vs slug



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

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

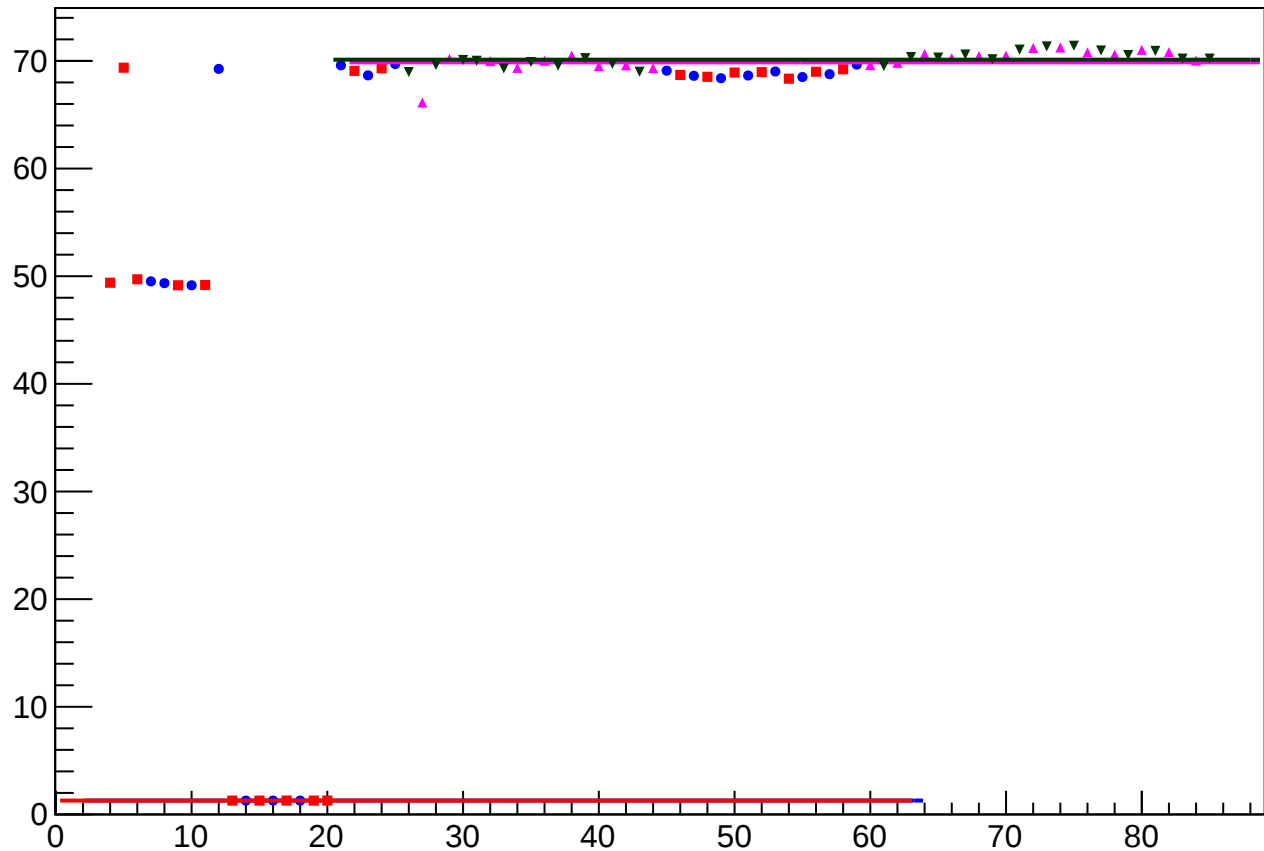
0.002+/-0.000 χ^2/NDF : 39849273.5/40

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

0.002+/-0.000 χ^2/NDF : 37116840.8/40

Left In: 0.200+/-0.000 χ^2/NDF : 503902.2/21

yield_bcm_an_ds3_mean vs slug



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

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

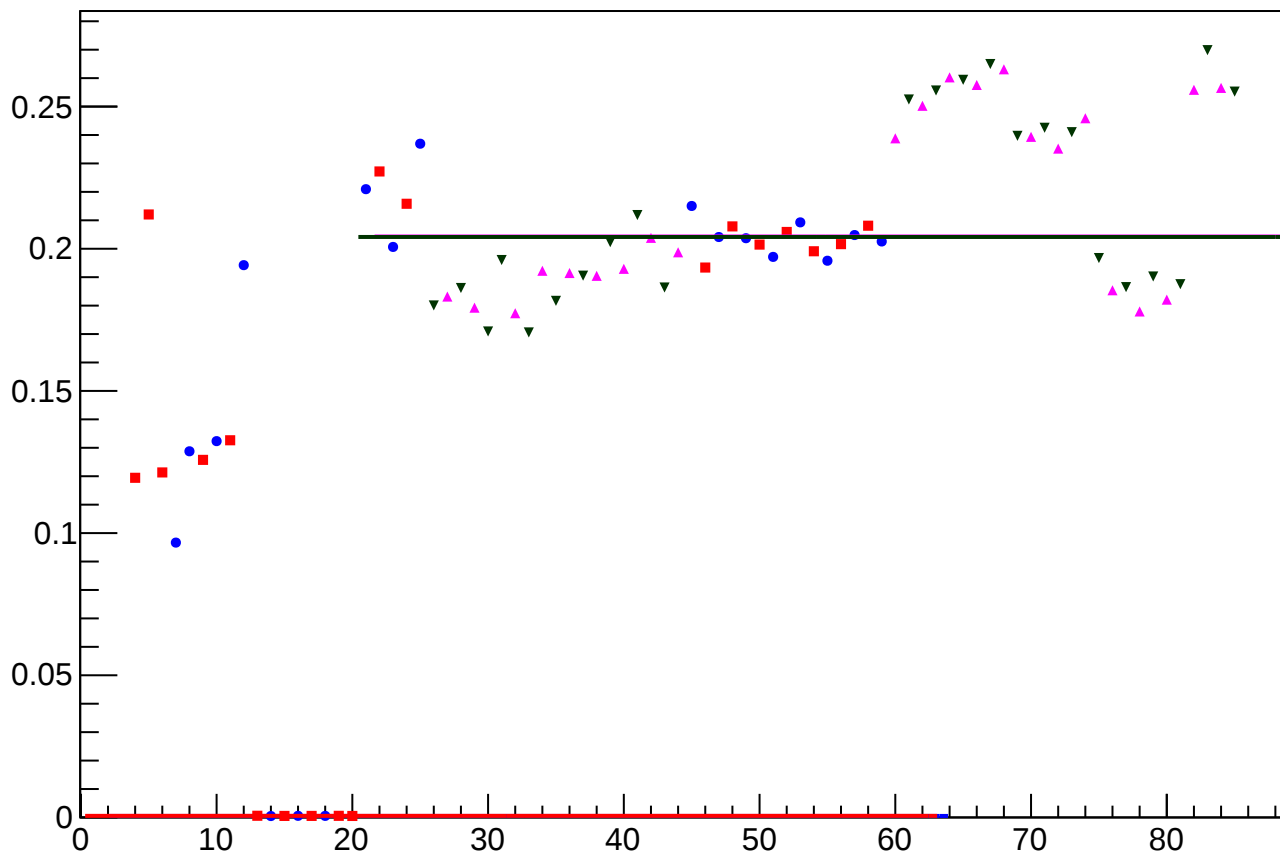
1.293+/-0.000 χ^2/NDF : 2308747808581.0/40

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

1.292+/-0.000 χ^2/NDF : 2151150341453.3/40

Left In: 69.866+/-0.000 χ^2/NDF : 448628625.4/21

yield_bcm_an_ds3_rms vs slug



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

Left Out: 0.204+/-0.000 χ^2/NDF : 504976.2/22

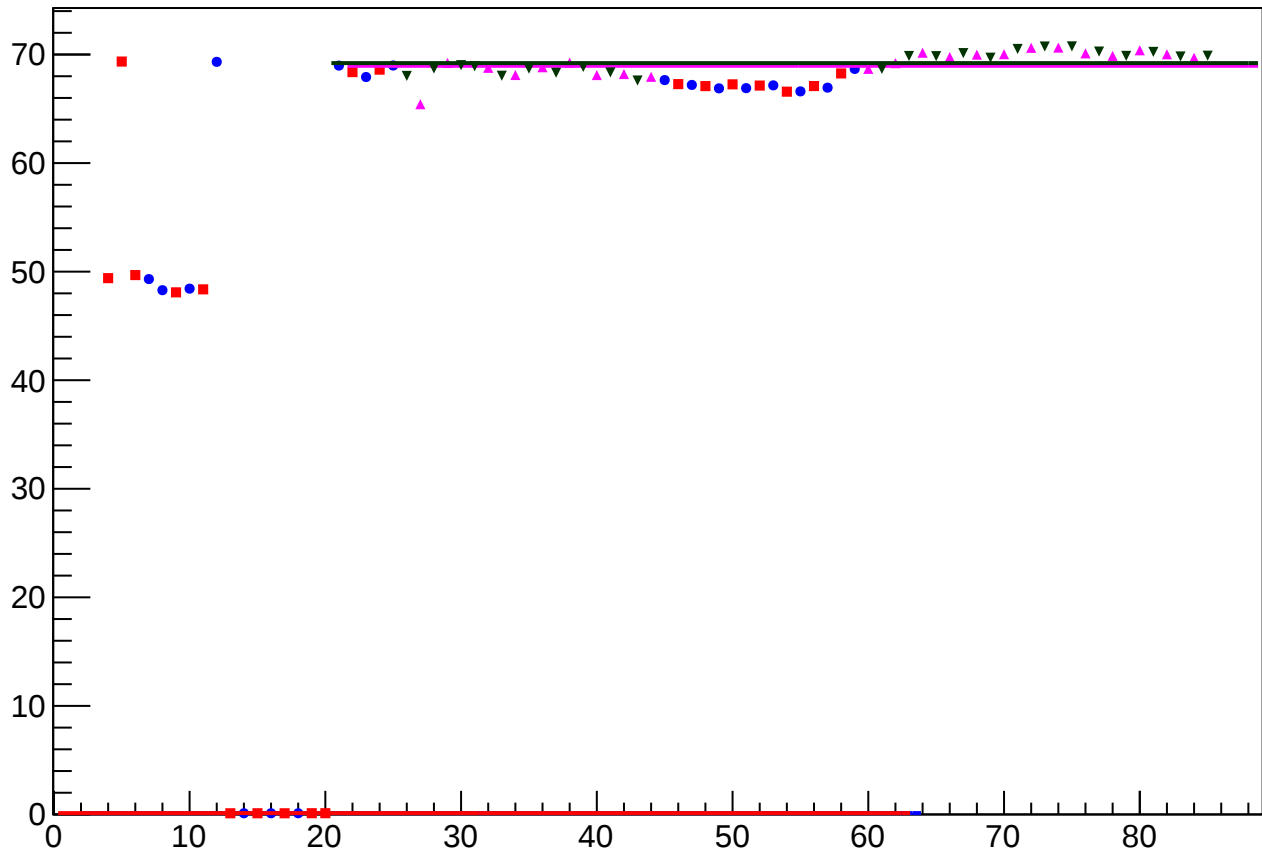
Right Out: 0.001+/-0.000 χ^2/NDF : 13695888.0/18

Left In: 0.204+/-0.000 χ^2/NDF : 505197.2/21

0.001+/-0.000 χ^2/NDF : 40379312.3/40

0.001+/-0.000 χ^2/NDF : 37576053.3/40

yield_bcm_an_us_mean vs slug



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

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

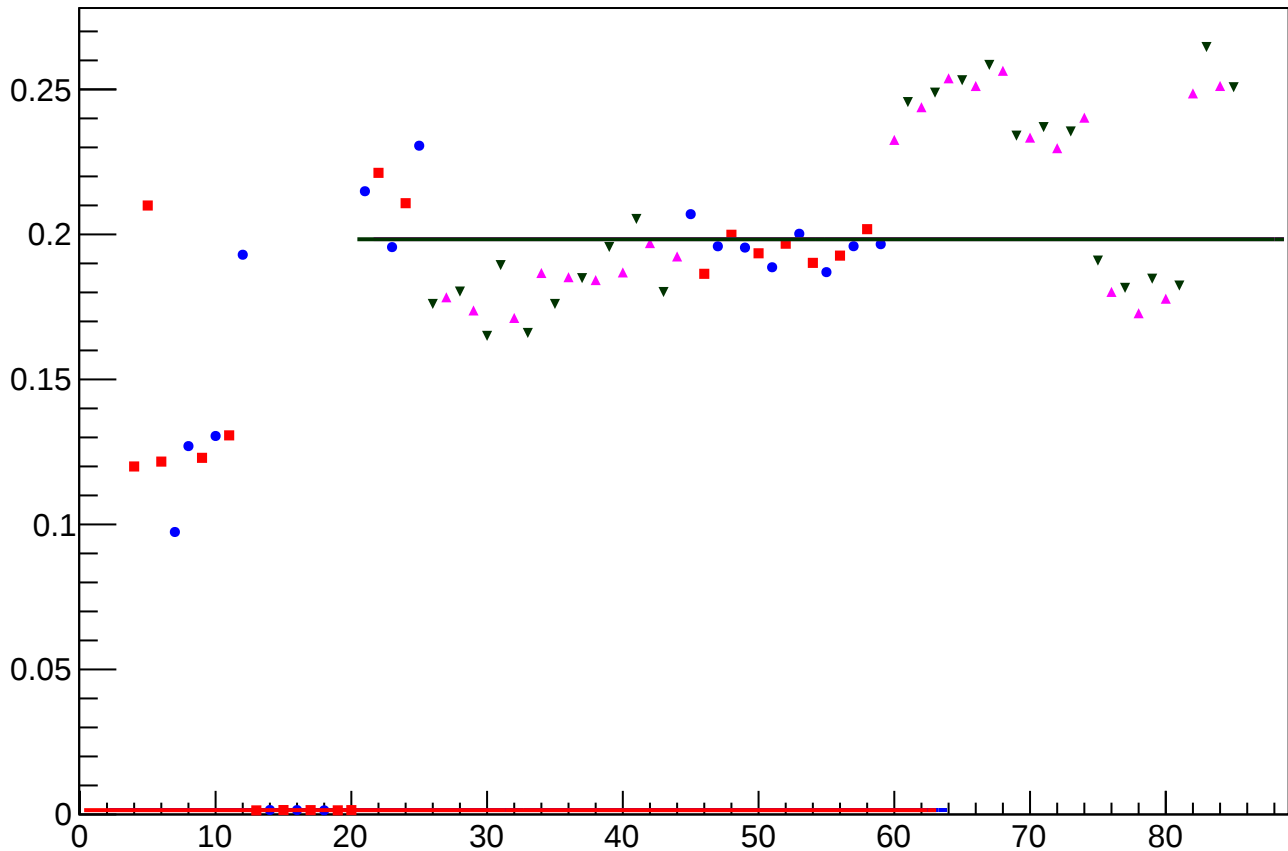
0.145+/-0.000 χ^2/NDF : 2454164195594.1/40

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

0.138+/-0.000 χ^2/NDF : 2290580959973.9/40

Left In: 68.961+/-0.000 χ^2/NDF : 534153659.8/21

yield_bcm_an_us_rms vs slug



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

Left Out: 0.198 $\pm$ 0.000 χ^2 /NDF: 523628.8/22

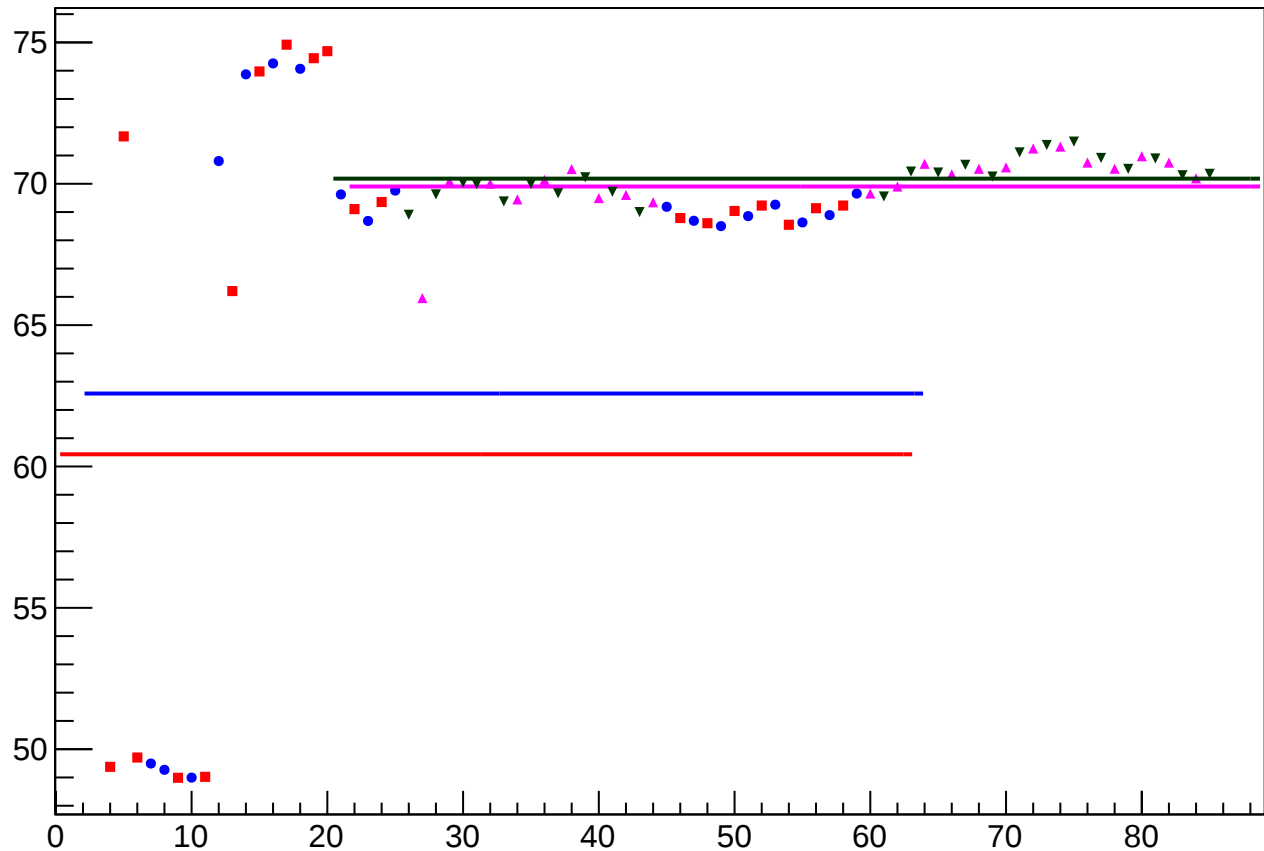
0.002 $\pm$ 0.000 χ^2 /NDF: 39904105.8/40

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

0.002 $\pm$ 0.000 χ^2 /NDF: 37188518.0/40

Left In: 0.198 $\pm$ 0.000 χ^2 /NDF: 521486.7/21

yield_bcm_dg_us_mean vs slug



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

Left Out: 70.182+/-0.000 χ^2/NDF : 128232735.5/22

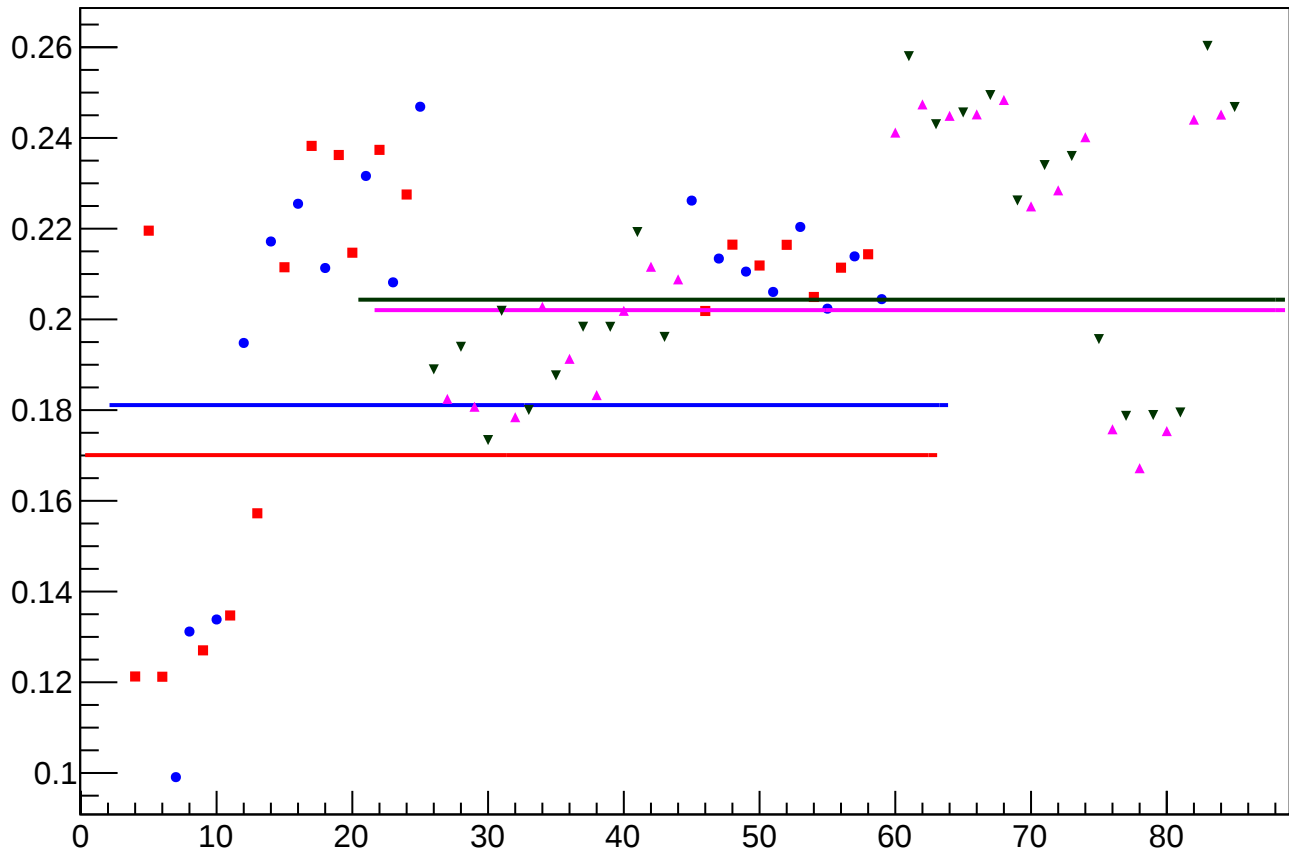
Right Out: 60.432+/-0.000 χ^2/NDF : 32977972131.8/18

Left In: 69.904+/-0.000 χ^2/NDF : 489132187.8/21

66.131+/-0.000 χ^2/NDF : 42280393074.2/40

65.021+/-0.000 χ^2/NDF : 46782172193.2/40

yield_bcm_dg_us_rms vs slug



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

Left Out: 0.204+/-0.000 χ^2/NDF : 384795.1/22

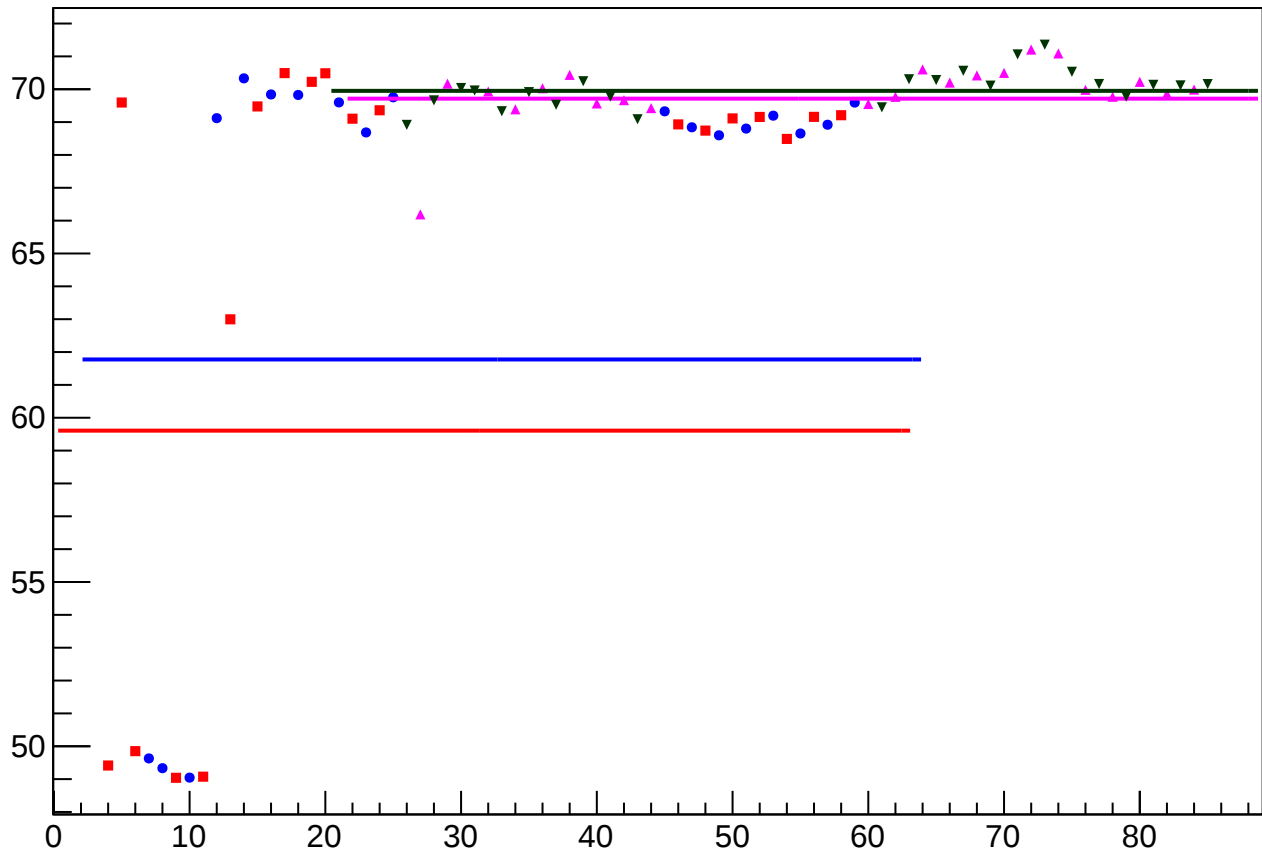
0.192+/-0.000 χ^2/NDF : 1759378.5/40

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

0.186+/-0.000 χ^2/NDF : 1931227.4/40

Left In: 0.202+/-0.000 χ^2/NDF : 444392.7/21

yield_bcm_dg_ds_mean vs slug



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

Left Out: 69.951 ± 0.000 χ^2/NDF : 79004095.4/22

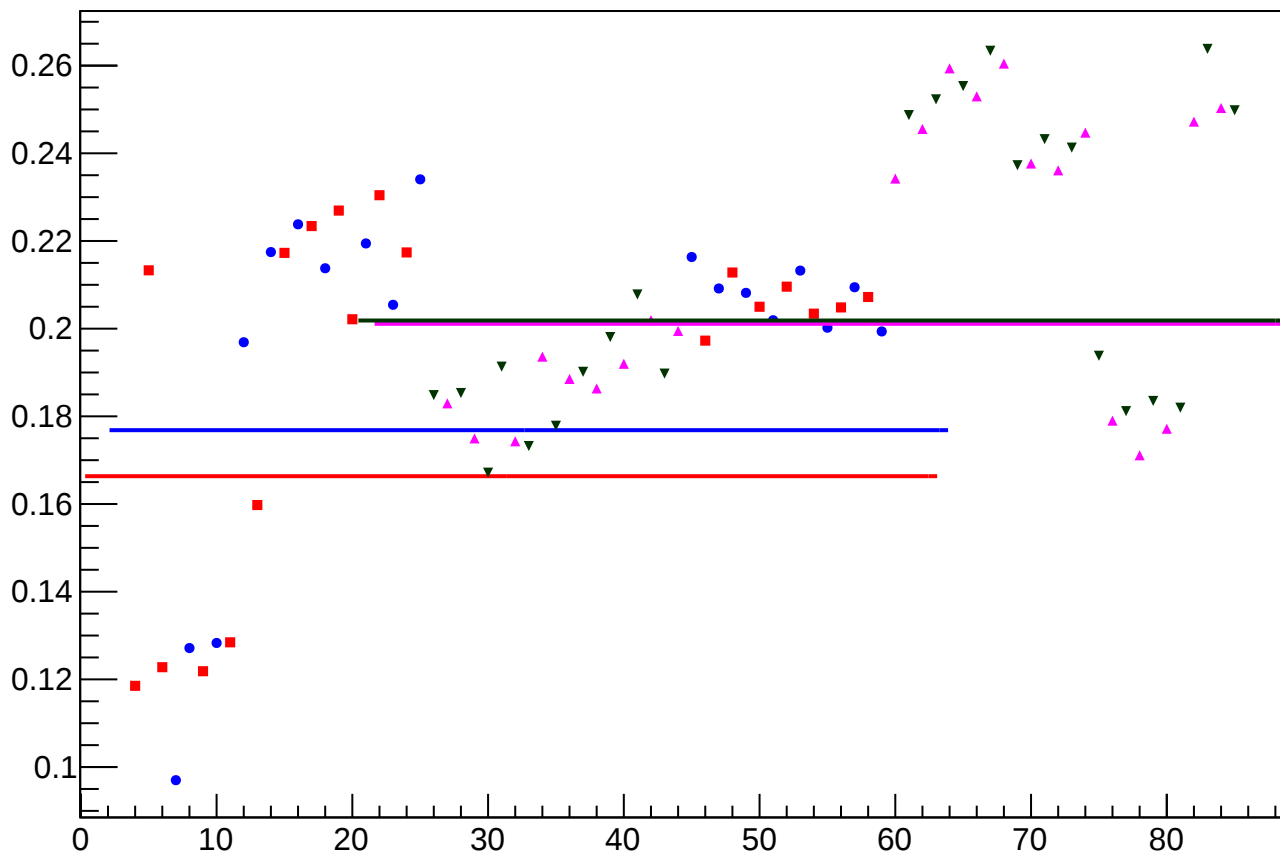
65.541 ± 0.000 χ^2/NDF : 41166518098.6/40

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

64.411 ± 0.000 χ^2/NDF : 45481545563.9/40

Left In: 69.713 ± 0.000 χ^2/NDF : 377737967.7/21

yield_bcm_dg_ds_rms vs slug



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

Left Out: 0.202+/-0.000 χ^2/NDF : 499256.0/22

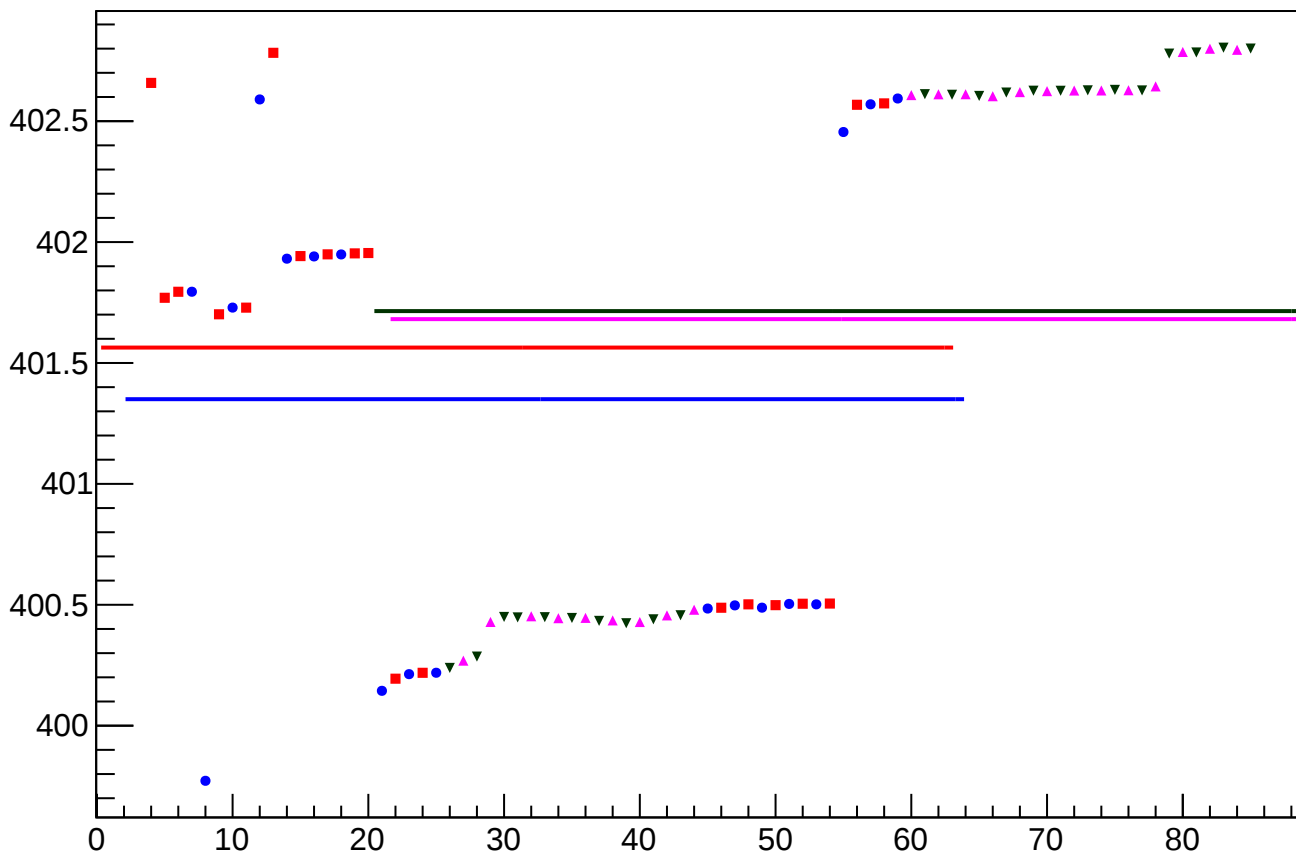
Right Out: 0.166+/-0.000 χ^2/NDF : 1156468.8/18

Left In: 0.201+/-0.000 χ^2/NDF : 523231.2/21

0.188+/-0.000 χ^2/NDF : 1965375.2/40

0.183+/-0.000 χ^2/NDF : 2047833.2/40

yield_cav4bQ_mean vs slug



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

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

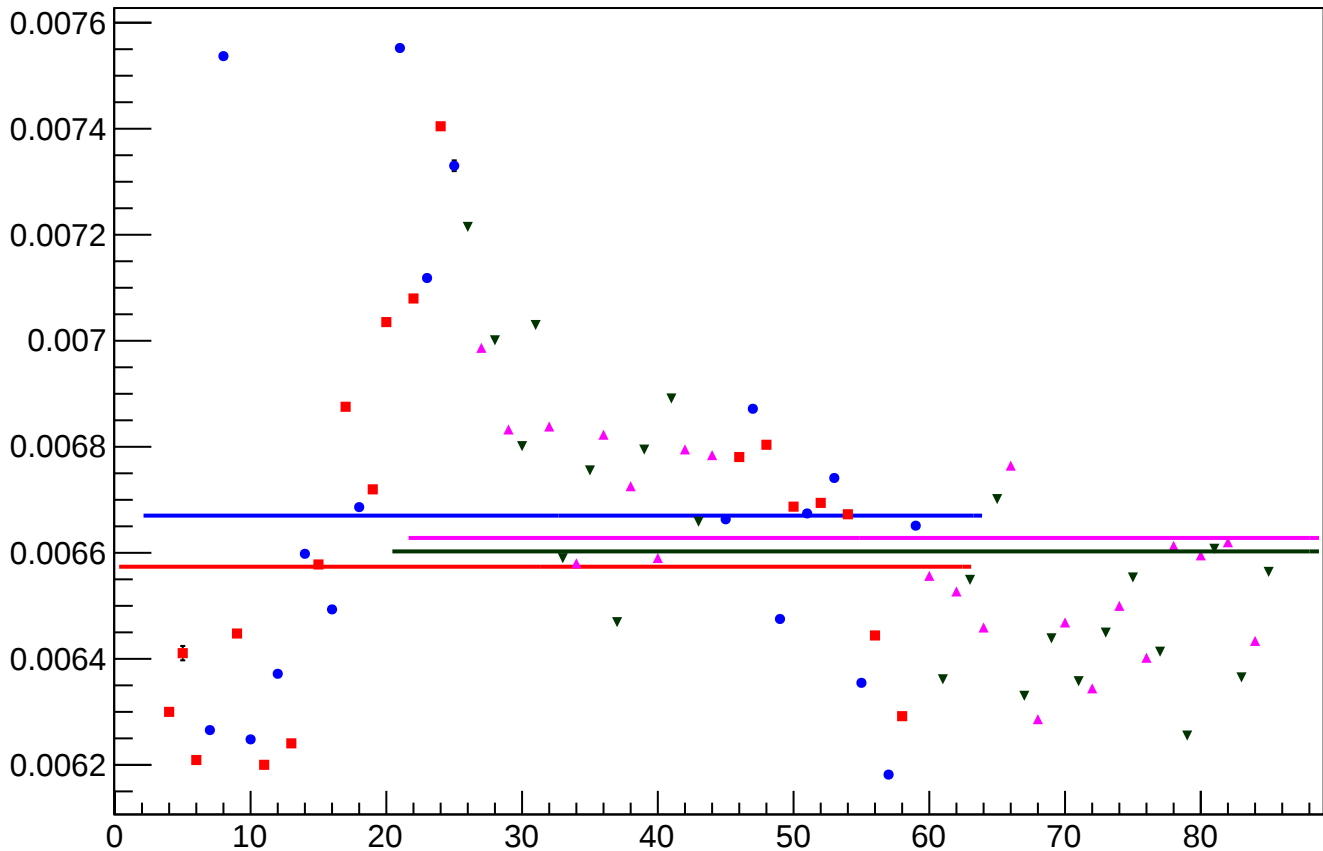
Right Out: 401.564+/-0.000 χ^2/NDF : 183973928948.5/18

Left In: 401.681+/-0.000 χ^2/NDF : 346973025837.5/21

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

401.628+/-0.000 χ^2/NDF : 532695171096.2/40

yield_cav4bQ_rms vs slug



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

Left Out: 0.007+/-0.000 χ^2/NDF : 31615.9/22

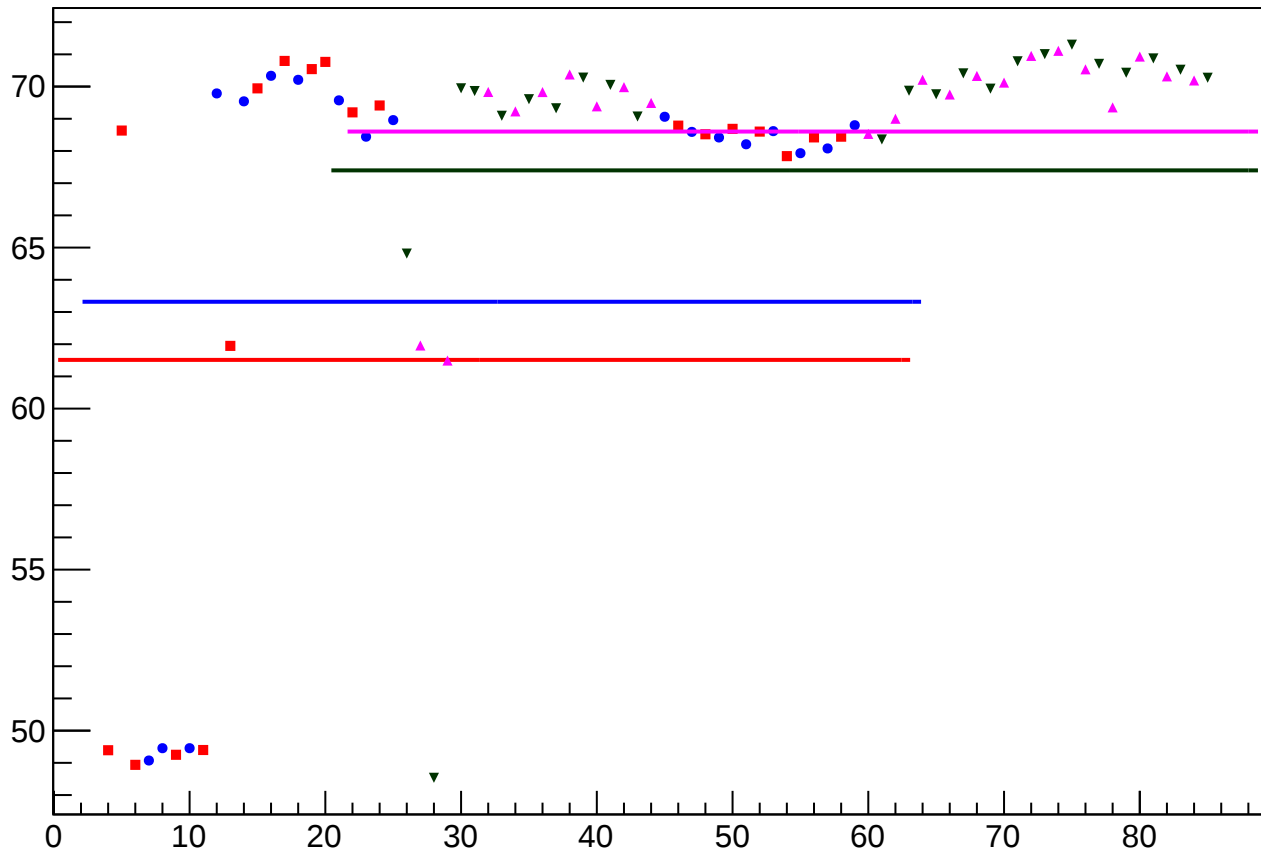
0.007+/-0.000 χ^2/NDF : 109495.0/40

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

0.007+/-0.000 χ^2/NDF : 68170.2/40

Left In: 0.007+/-0.000 χ^2/NDF : 19743.7/21

yield_cav4cQ_mean vs slug



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

Left Out: 67.397+/-0.000 χ^2/NDF : 10762276438.6/22

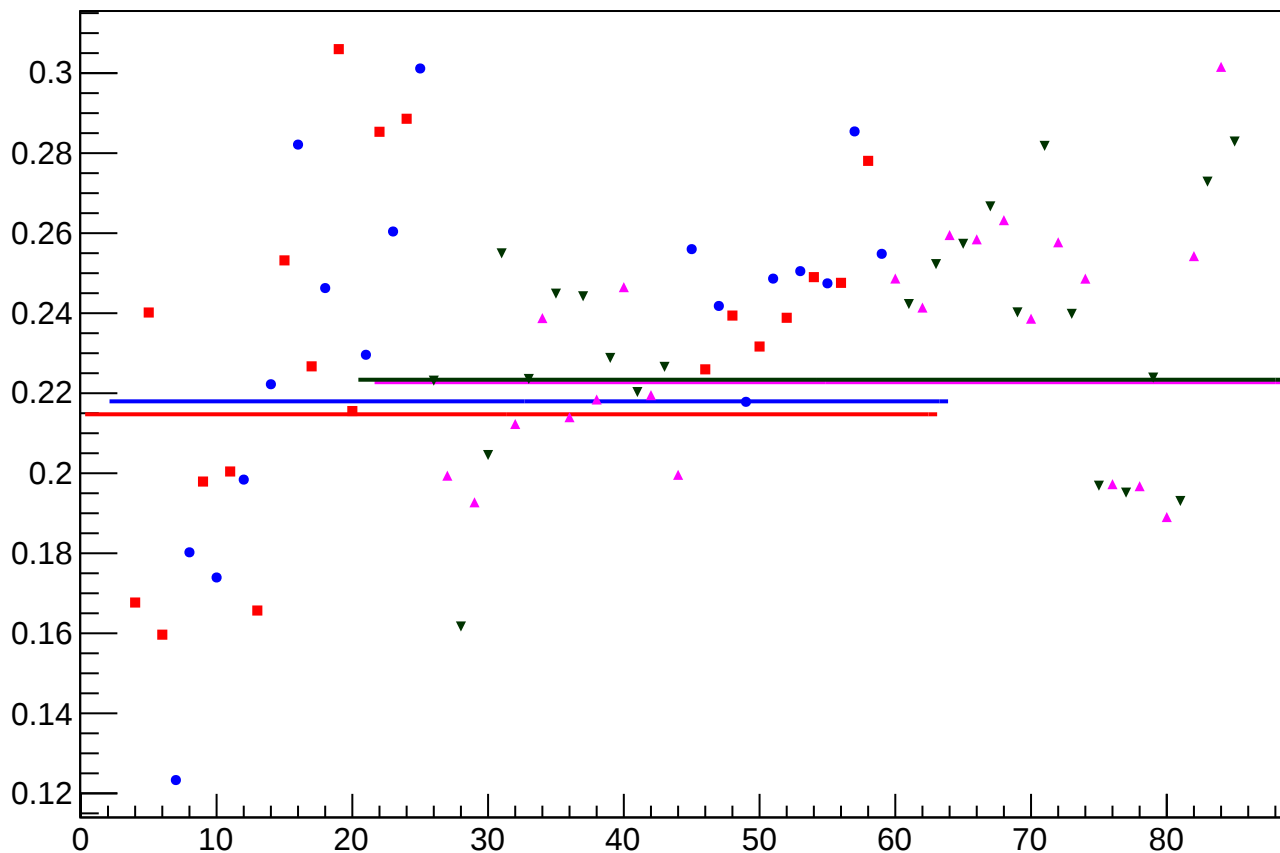
65.404+/-0.000 χ^2/NDF : 29609798539.8/40

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

65.426+/-0.000 χ^2/NDF : 22774112237.3/40

Left In: 68.603+/-0.000 χ^2/NDF : 2256832332.4/21

yield_cav4cQ_rms vs slug



Right In: 0.218+/-0.000 χ^2/NDF : 734629.1/17

Left Out: 0.223+/-0.000 χ^2/NDF : 488828.7/22

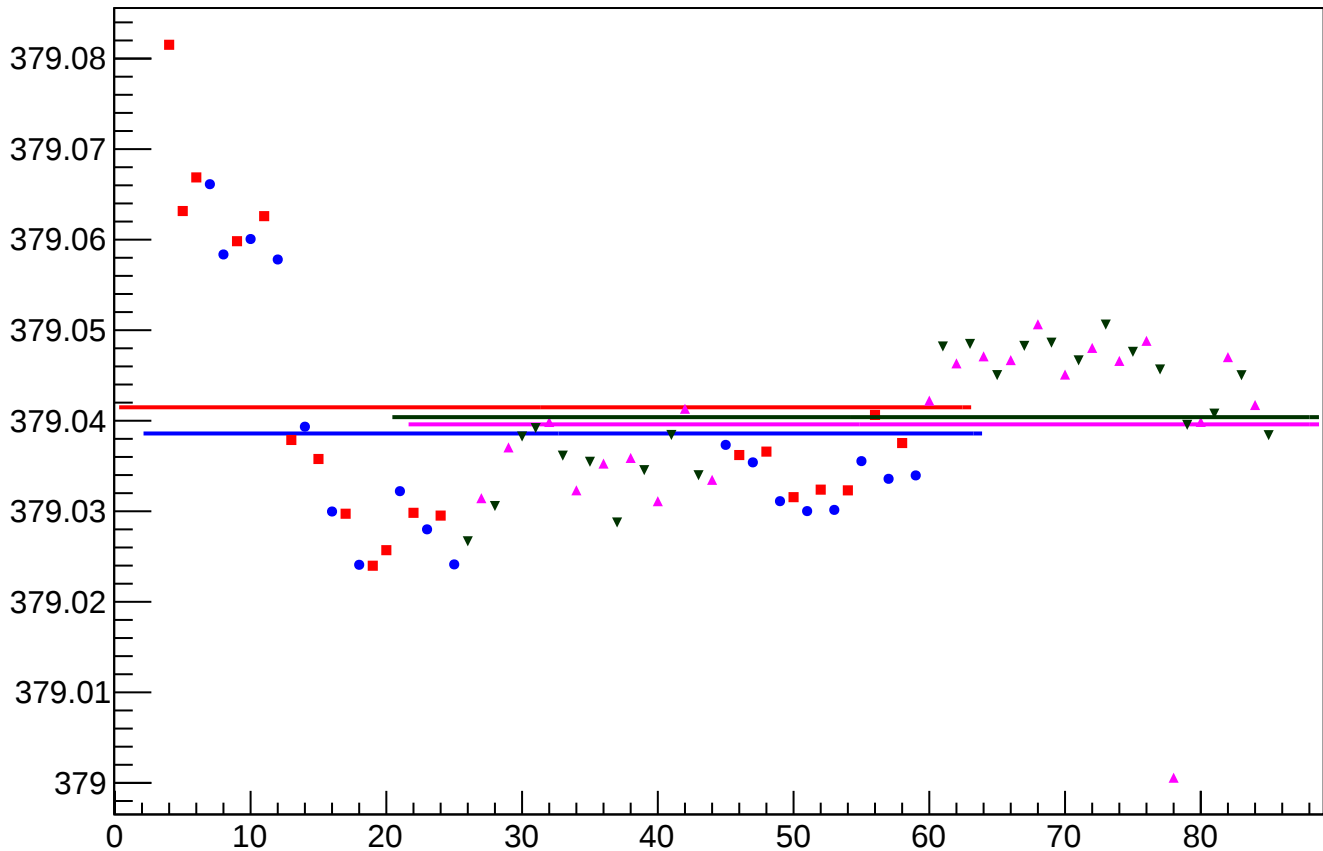
Right Out: 0.215+/-0.000 χ^2/NDF : 631176.3/18

Left In: 0.223+/-0.000 χ^2/NDF : 351956.9/21

0.221+/-0.000 χ^2/NDF : 1229767.4/40

0.219+/-0.000 χ^2/NDF : 996353.0/40

yield_cav4dQ_mean vs slug



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

Left Out: 379.040 $\pm$ 0.000 χ^2 /NDF:12153989.9/22

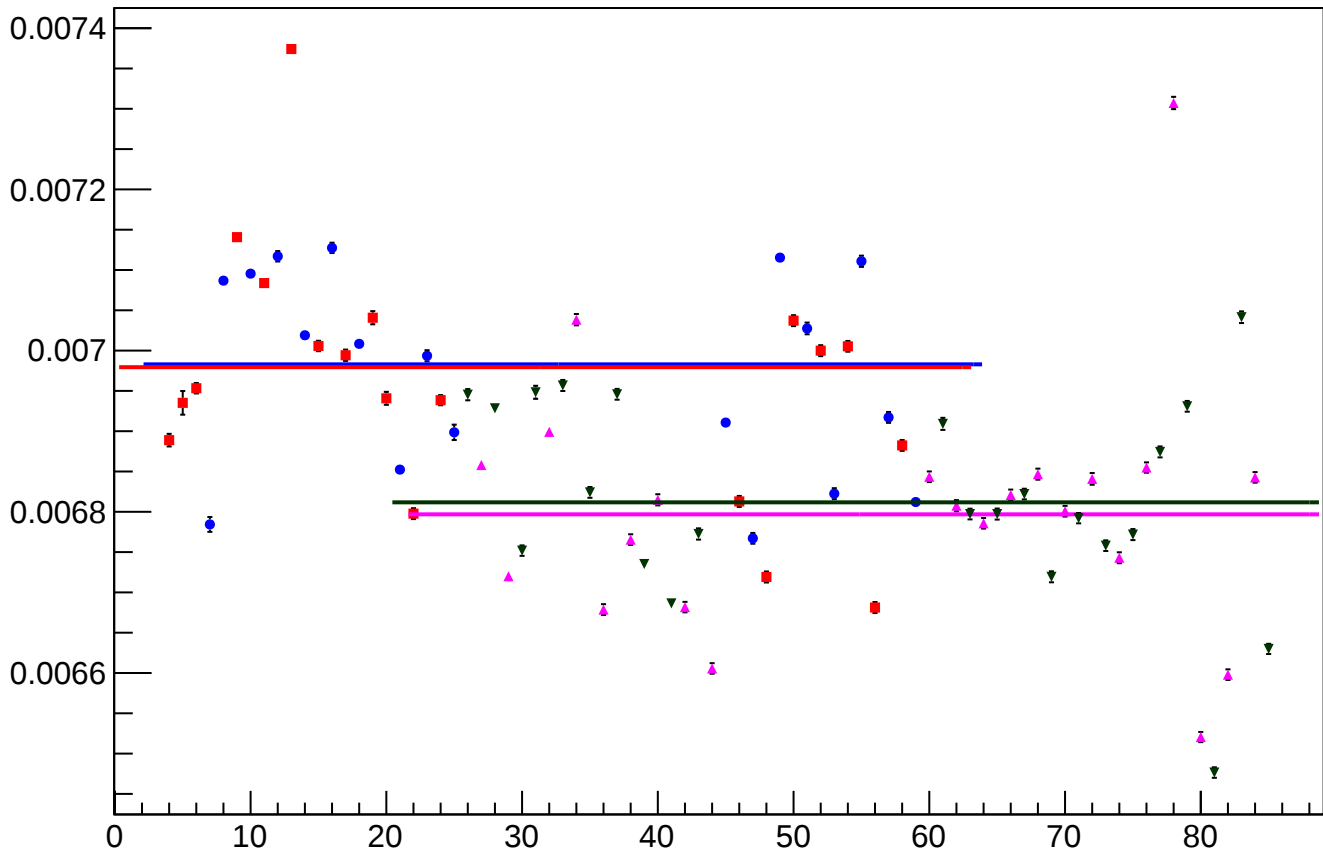
Right Out: 379.041 $\pm$ 0.000 χ^2 /NDF: 46280794.1/18

Left In: 379.040 $\pm$ 0.000 χ^2 /NDF:22896314.9/21

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

379.040 $\pm$ 0.000 χ^2 /NDF: 69589100.9/40

yield_cav4dQ_rms vs slug



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

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 7961.3/22

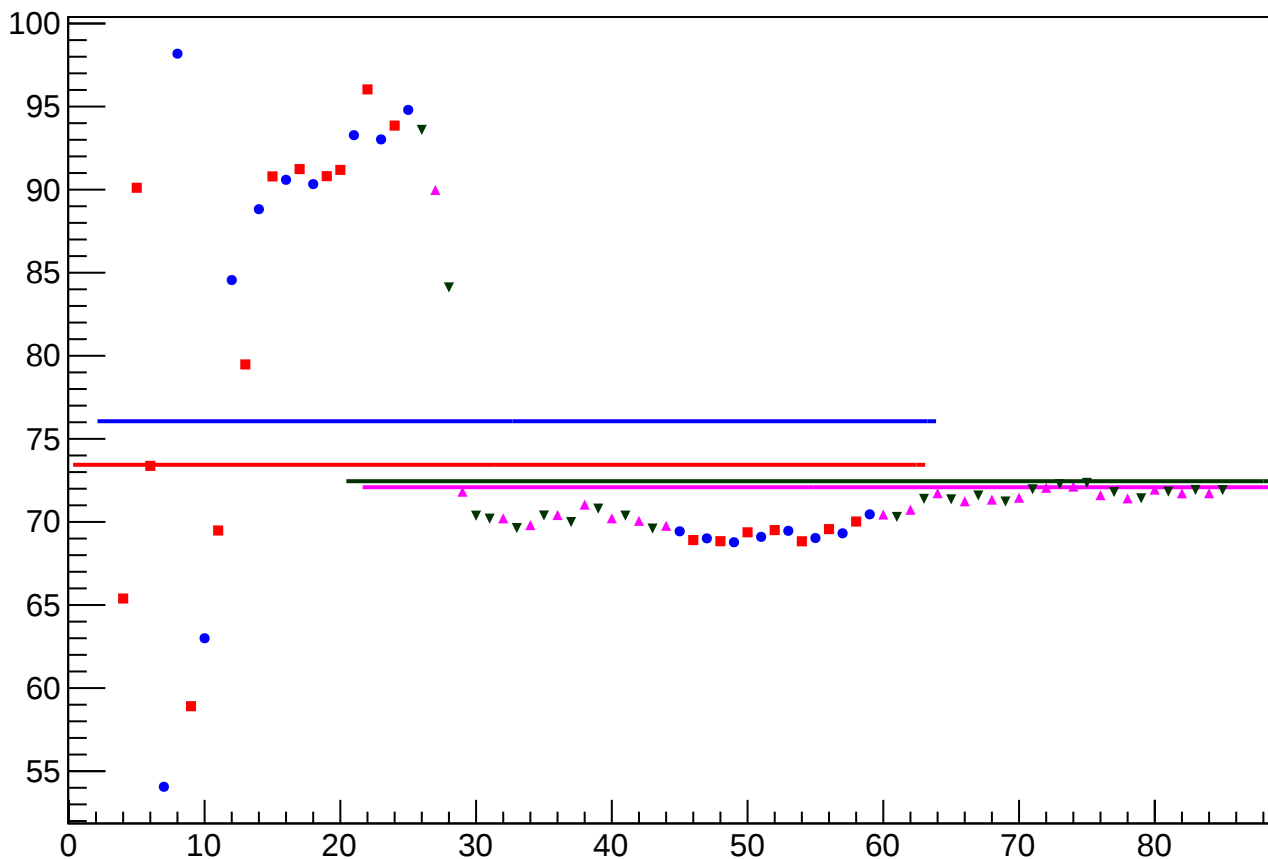
Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 11747.2/18

Left In: 0.007 $\pm$ 0.000 χ^2 /NDF: 11095.8/21

0.007 $\pm$ 0.000 χ^2 /NDF: 21817.8/40

0.007 $\pm$ 0.000 χ^2 /NDF: 30577.6/40

yield_bcm0l02_mean vs slug



Right In: 76.061 ± 0.000 $\chi^2/NDF: 20787602024.2/17$

Left Out: 72.451 ± 0.000 $\chi^2/NDF: 3836404642.5/22$

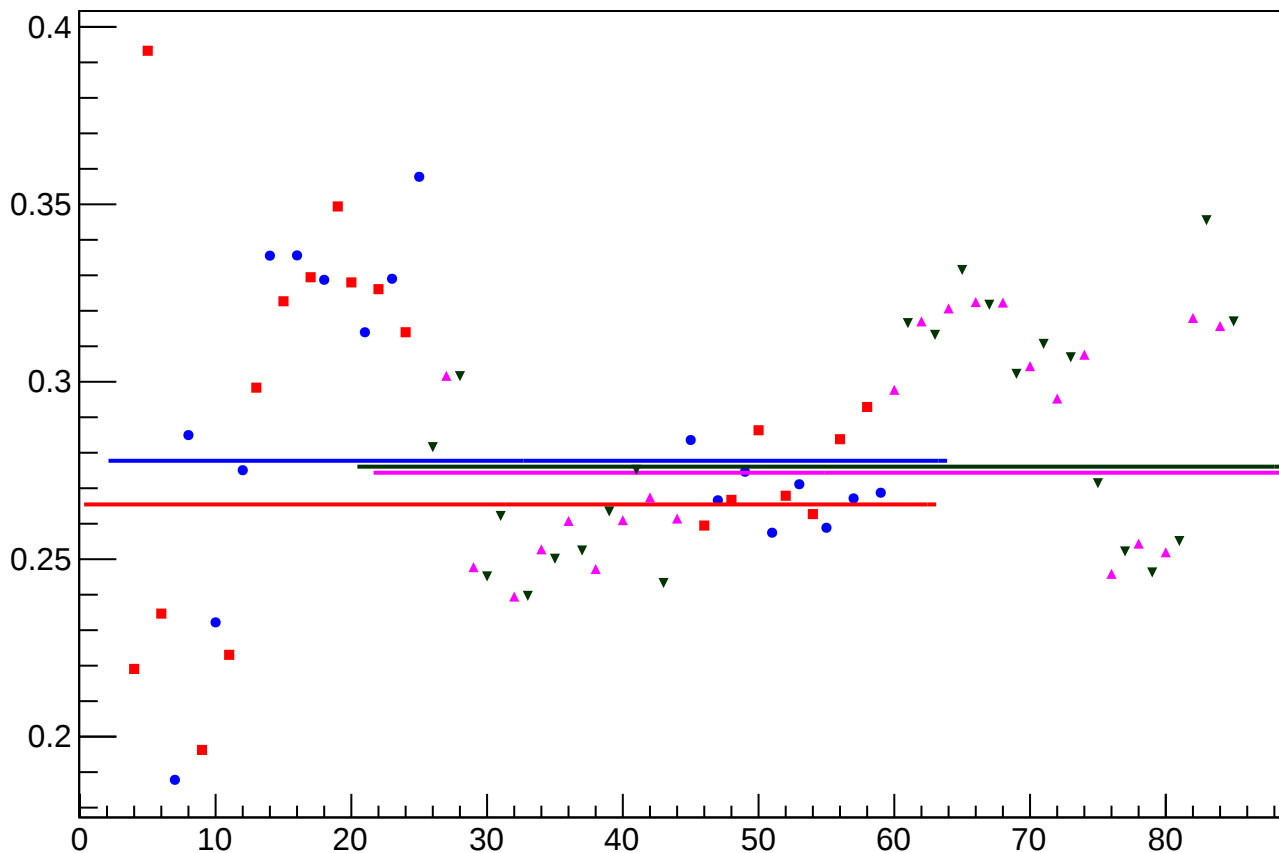
Right Out: 73.439 ± 0.000 $\chi^2/NDF: 14741427319.0/18$

Left In: 72.090 ± 0.000 $\chi^2/NDF: 2991859638.8/21$

74.167 ± 0.000 $\chi^2/NDF: 25530190657.1/40$

72.695 ± 0.000 $\chi^2/NDF: 17858515947.0/40$

yield_bcm0l02_rms vs slug



Right In: 0.278+/-0.000 χ^2/NDF : 370245.0/17

Left Out: 0.276+/-0.000 χ^2/NDF : 277486.1/22

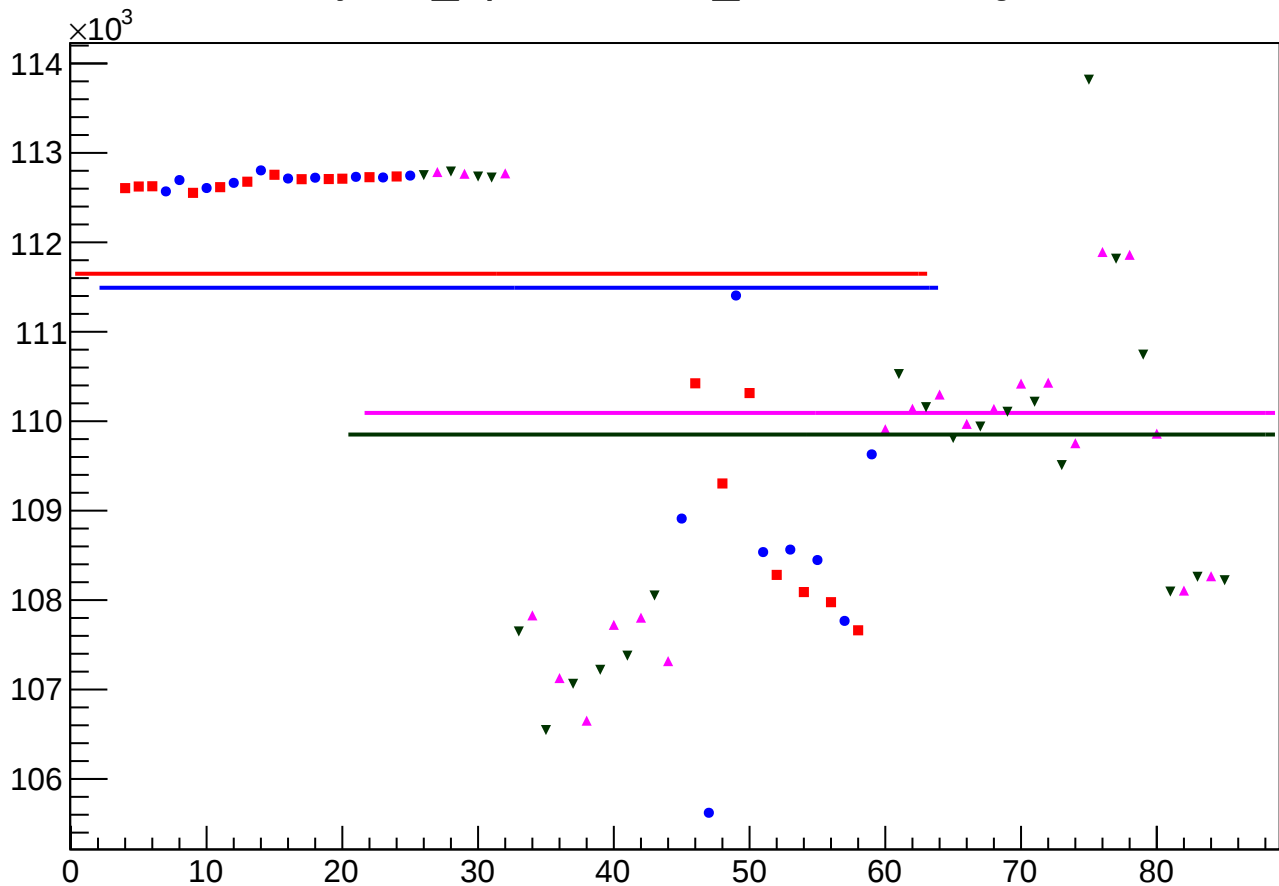
Right Out: 0.265+/-0.000 χ^2/NDF : 503582.7/18

Left In: 0.274+/-0.000 χ^2/NDF : 271519.9/21

0.277+/-0.000 χ^2/NDF : 648113.8/40

0.270+/-0.000 χ^2/NDF : 786086.6/40

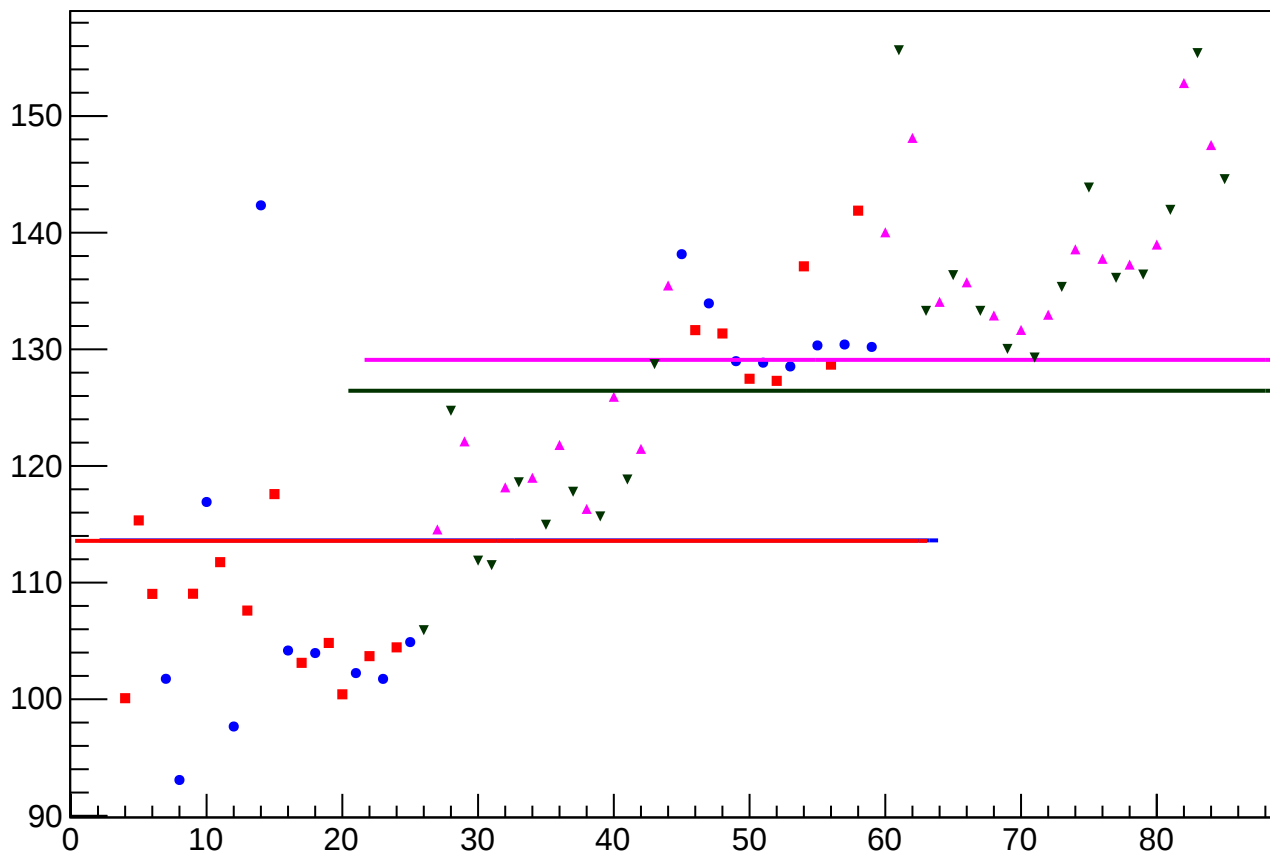
yield_bpm2i01WS_mean vs slug



Right In: 111492.185 ± 0.035 $\chi^2/\text{NDF}: 3171680490.6/17$
 Left Out: 109851.132 ± 0.038 $\chi^2/\text{NDF}: 3328177944.5/22$
 Right Out: 111648.935 ± 0.037 $\chi^2/\text{NDF}: 2298631932.7/18$
 Left In: 110092.758 ± 0.038 $\chi^2/\text{NDF}: 2933755433.8/21$

110747.955 ± 0.026 $\chi^2/\text{NDF}: 7500143392.5/40$
 110893.578 ± 0.027 $\chi^2/\text{NDF}: 6080174182.7/40$

yield_bpm2i01WS_rms vs slug



Right In: 113.620 ± 0.025 χ^2/NDF : 422351.8/17

Left Out: 126.448 ± 0.027 χ^2/NDF : 215015.0/22

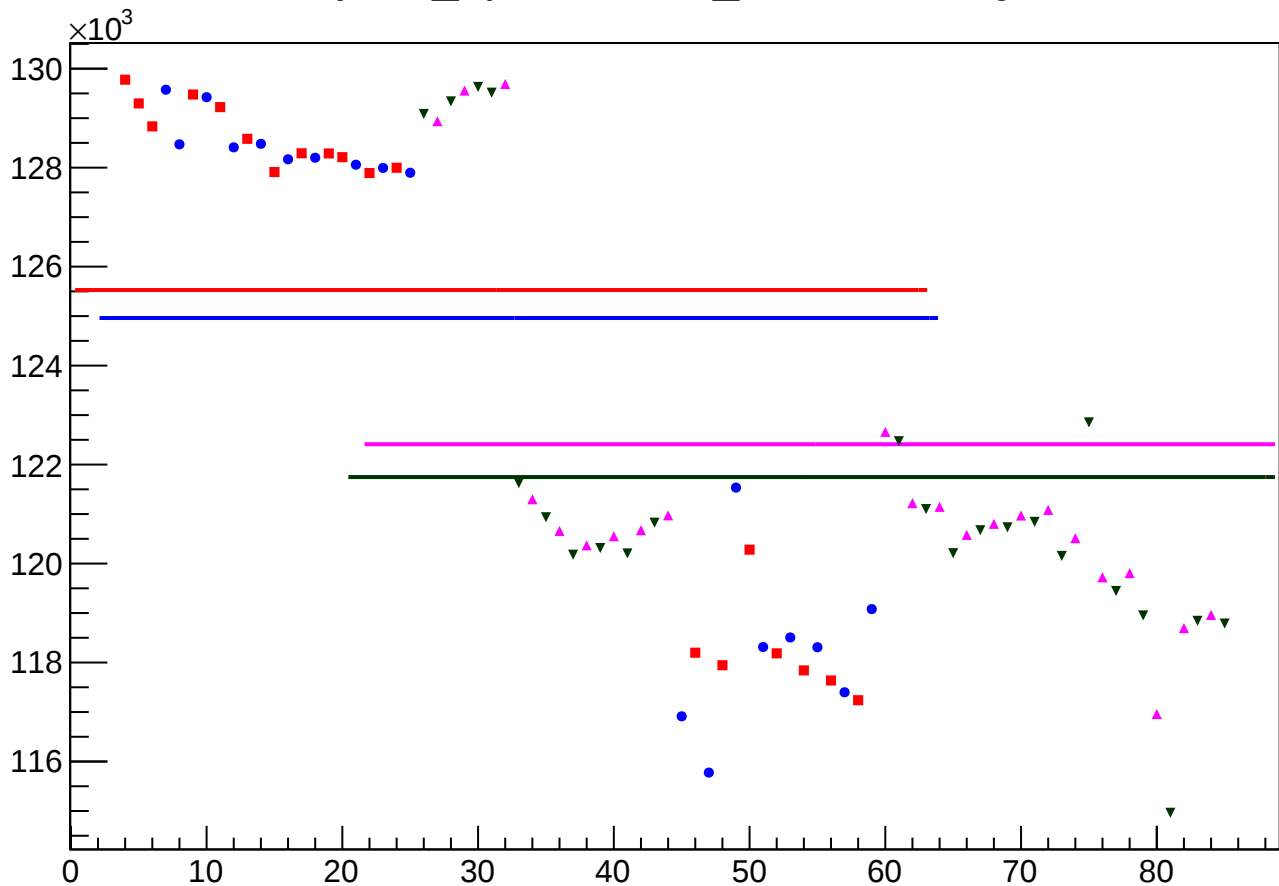
Right Out: 113.579 ± 0.026 χ^2/NDF : 206805.2/18

Left In: 129.097 ± 0.027 χ^2/NDF : 151755.7/21

119.438 ± 0.018 χ^2/NDF : 759628.2/40

121.111 ± 0.019 χ^2/NDF : 527147.6/40

yield_bpm0i07WS_mean vs slug



Right In: 124961.680 $\pm$ 0.057 χ^2 /NDF: 7216201458.1/17

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

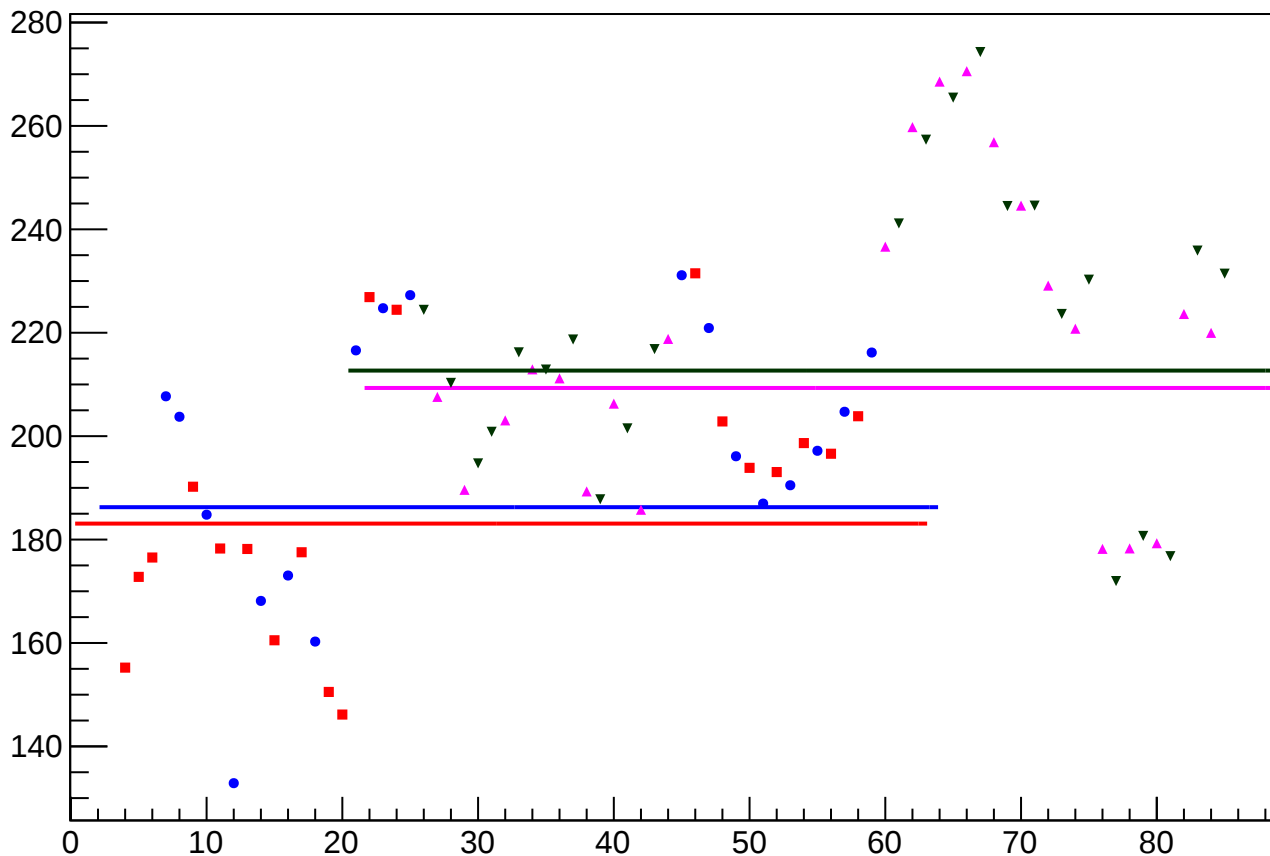
Right Out: 125527.018 $\pm$ 0.060 χ^2 /NDF: 6545248421.9/18

Left In: 122411.041 $\pm$ 0.061 χ^2 /NDF: 4514854637.2/21

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

123996.293 $\pm$ 0.042 χ^2 /NDF: 12405348098.4/4

yield_bpm0i07WS_rms vs slug



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

Left Out: 212.683 ± 0.044 $\chi^2/\text{NDF}: 363124.4/22$

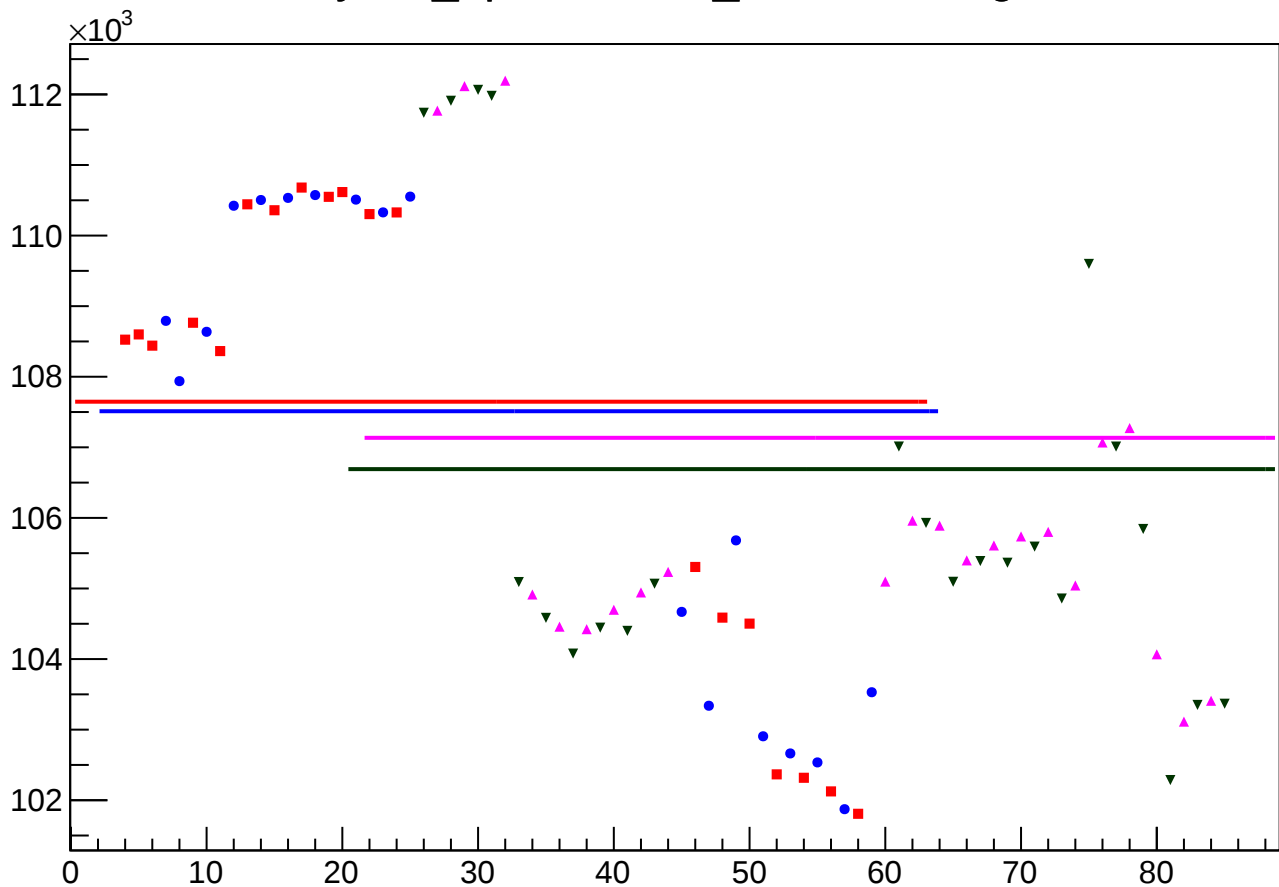
Right Out: 183.088 ± 0.042 $\chi^2/\text{NDF}: 276420.3/18$

Left In: 209.321 ± 0.043 $\chi^2/\text{NDF}: 364254.0/21$

198.168 ± 0.030 $\chi^2/\text{NDF}: 1020585.9/40$

195.975 ± 0.030 $\chi^2/\text{NDF}: 831361.9/40$

yield_bpm0l01WS_mean vs slug



Right In: 107511.375 $\pm$ 0.037 χ^2 /NDF: 7545366390.6/17

Left Out: 106691.114 $\pm$ 0.038 χ^2 /NDF: 6987834048.4/22

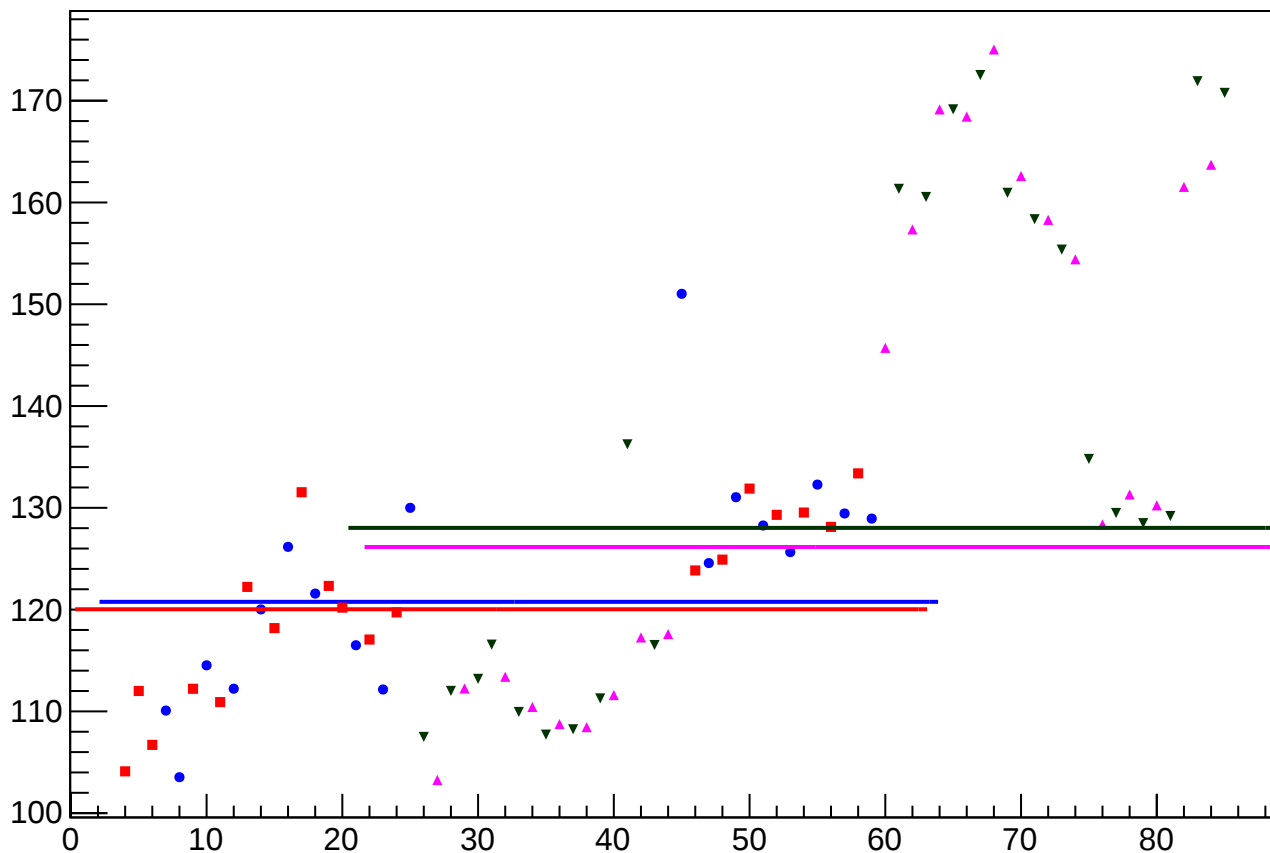
Right Out: 107646.372 $\pm$ 0.039 χ^2 /NDF: 6547636060.9/18

Left In: 107134.684 $\pm$ 0.037 χ^2 /NDF: 7776081139.4/21

107117.806 $\pm$ 0.026 χ^2 /NDF: 14774334803.4/4

107376.521 $\pm$ 0.027 χ^2 /NDF: 14414857989.9/4

yield_bpm0l01WS_rms vs slug



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

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

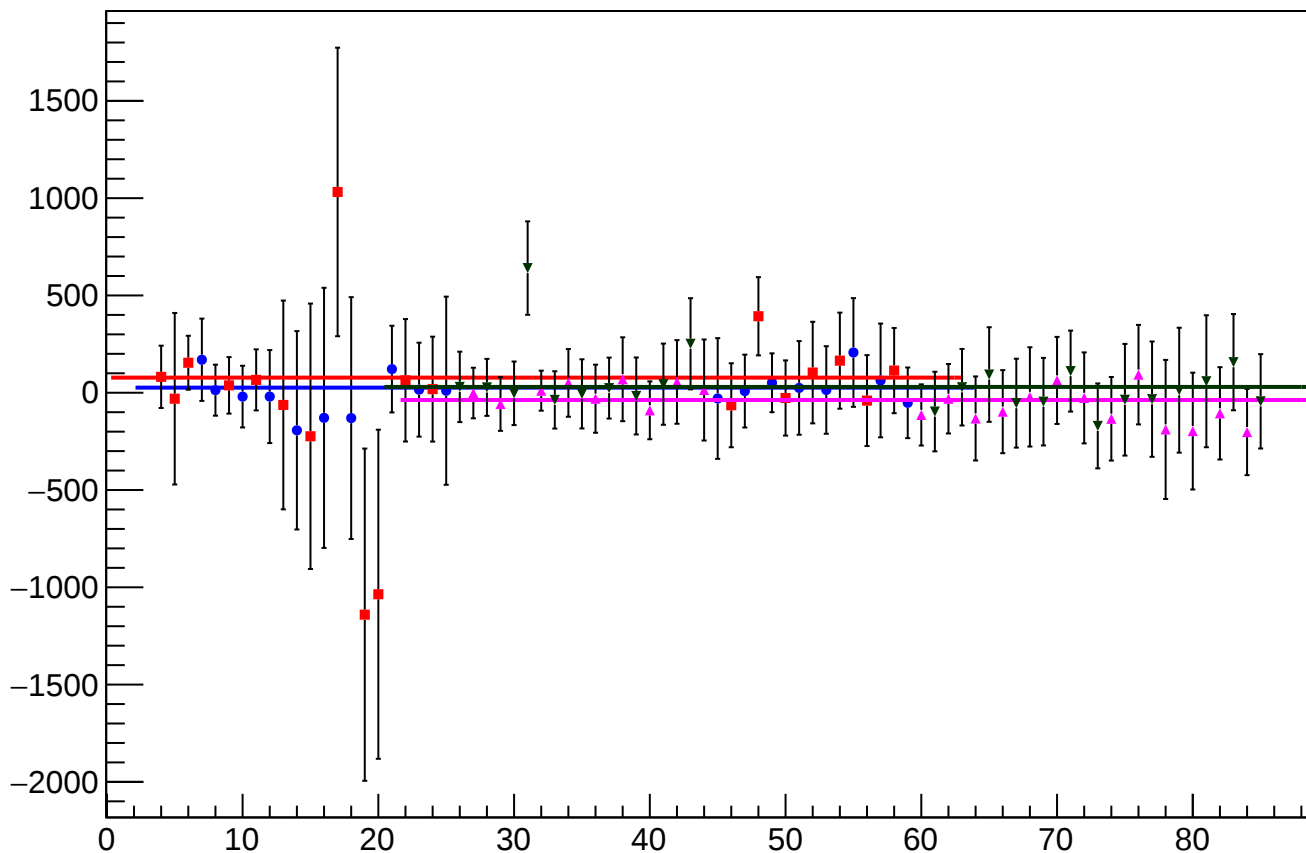
Right Out: 120.035+/-0.028 χ^2/NDF : 93920.3/18

Left In: 126.150+/-0.026 χ^2/NDF : 722124.3/21

124.249+/-0.019 χ^2/NDF : 865024.4/40

123.260+/-0.019 χ^2/NDF : 842079.2/40

asym_bcm_an_ds_mean vs slug



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

Left Out: 29.824 ± 42.949 χ^2/NDF : 9.9/22

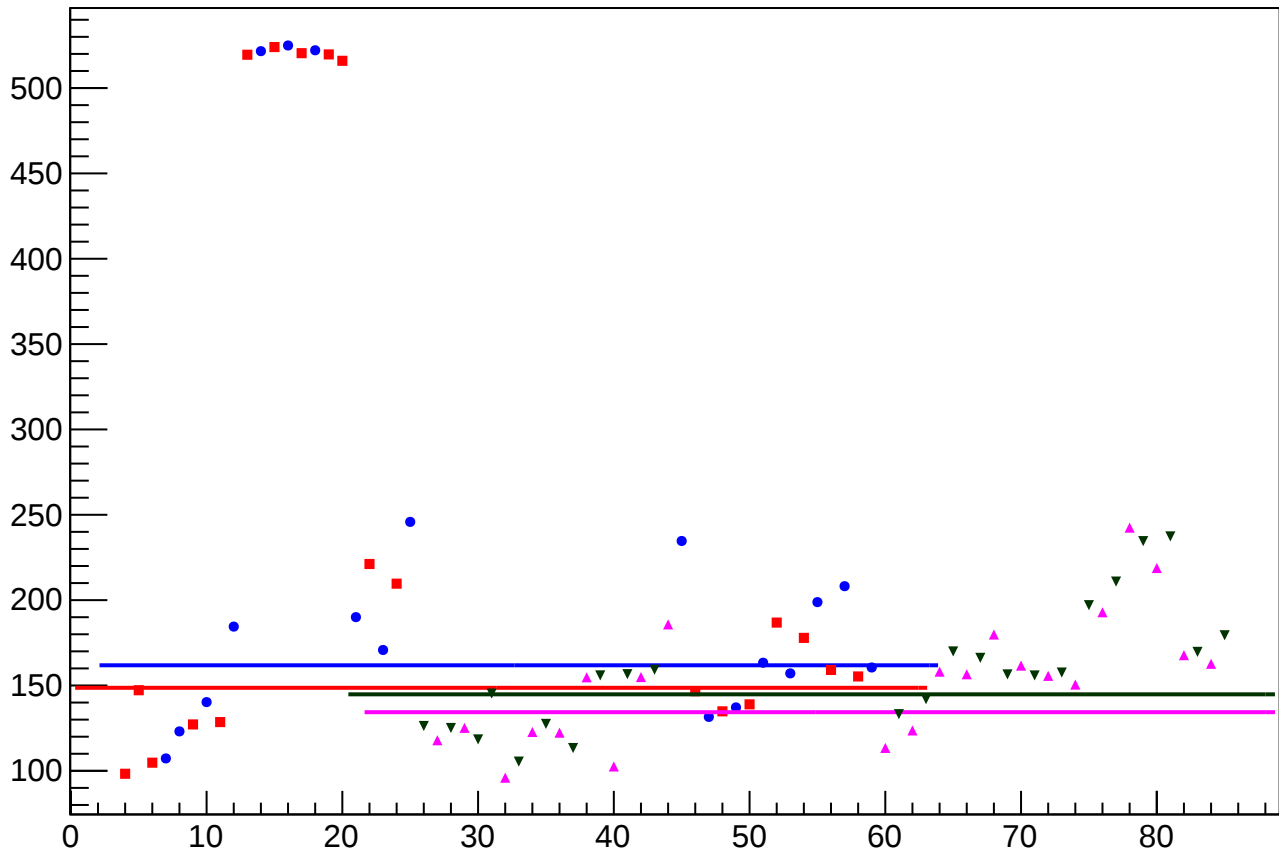
Right Out: 77.703 ± 52.586 χ^2/NDF : 9.8/18

Left In: -37.445 ± 39.582 χ^2/NDF : 3.5/21

28.390 ± 33.245 χ^2/NDF : 11.6/40

4.200 ± 31.624 χ^2/NDF : 16.3/40

asym_bcm_an_ds_rms vs slug



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

Left Out: 144.819 ± 0.030 χ^2/NDF : 967965.3/22

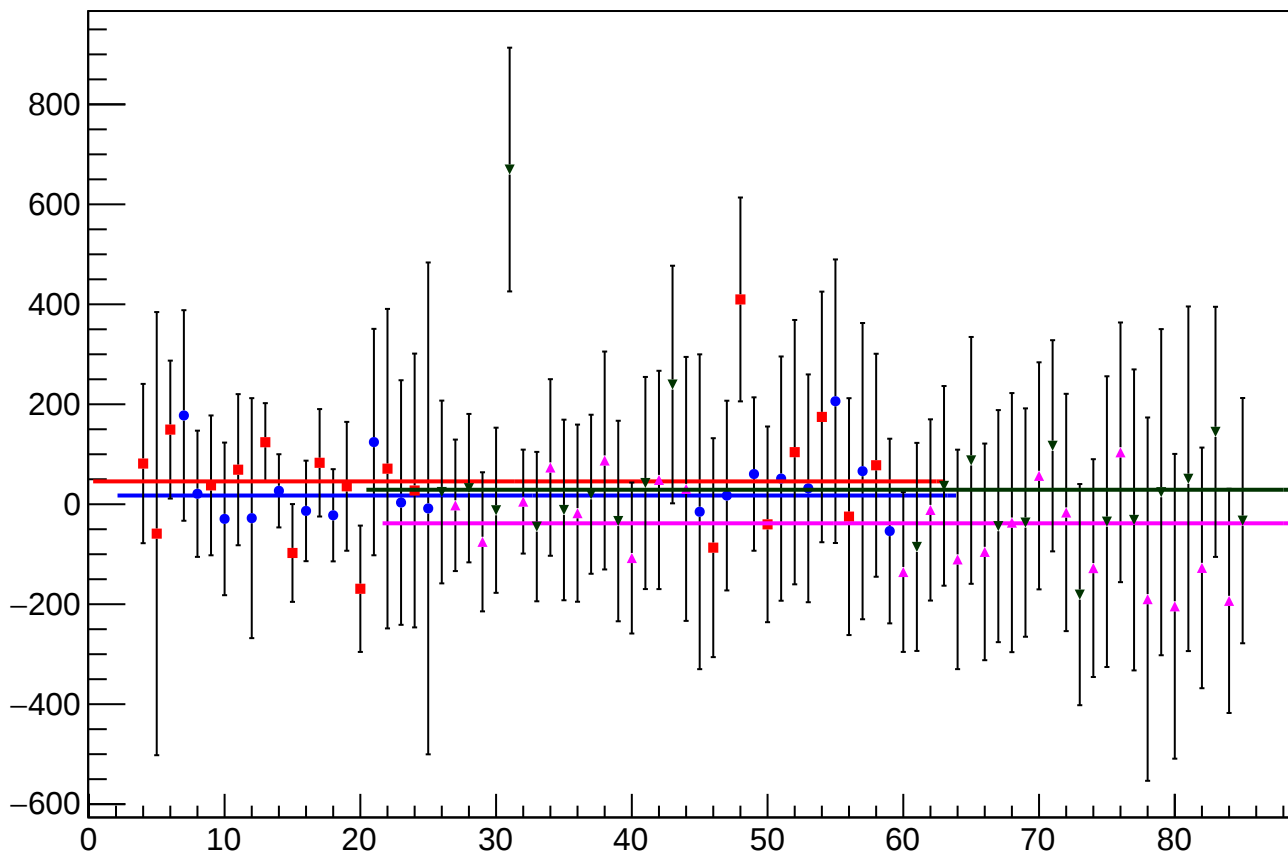
151.639 ± 0.024 χ^2/NDF : 4112659.9/40

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

139.523 ± 0.022 χ^2/NDF : 4961100.5/40

Left In: 134.354 ± 0.028 χ^2/NDF : 1272214.8/21

asym_bcm_an_ds3_mean vs slug



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

Left Out: 28.998 ± 43.569 $\chi^2/\text{NDF}: 10.1/22$

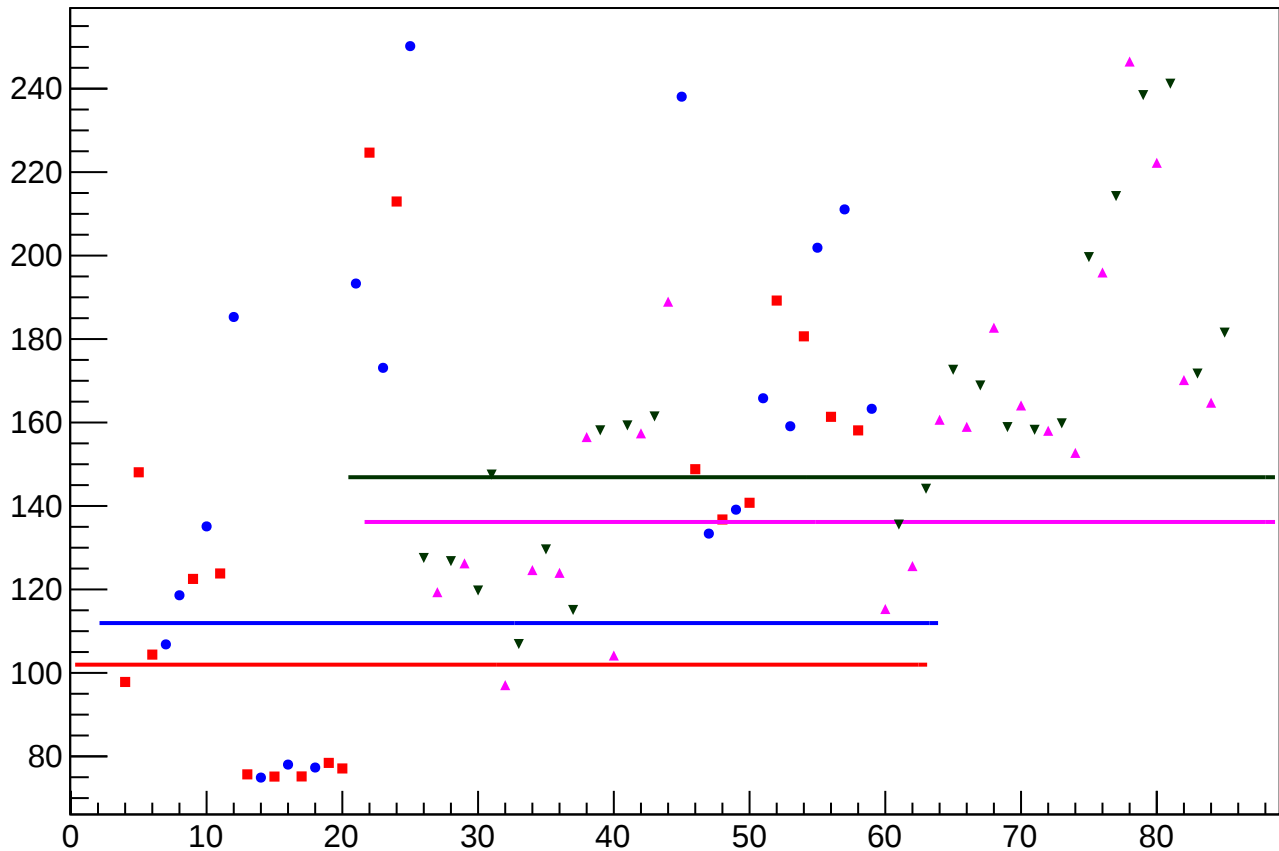
Right Out: 45.735 ± 34.677 $\chi^2/\text{NDF}: 11.0/18$

Left In: -38.124 ± 40.128 $\chi^2/\text{NDF}: 3.8/21$

22.188 ± 27.895 $\chi^2/\text{NDF}: 12.1/40$

9.884 ± 26.238 $\chi^2/\text{NDF}: 17.4/40$

asym_bcm_an_ds3_rms vs slug



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

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

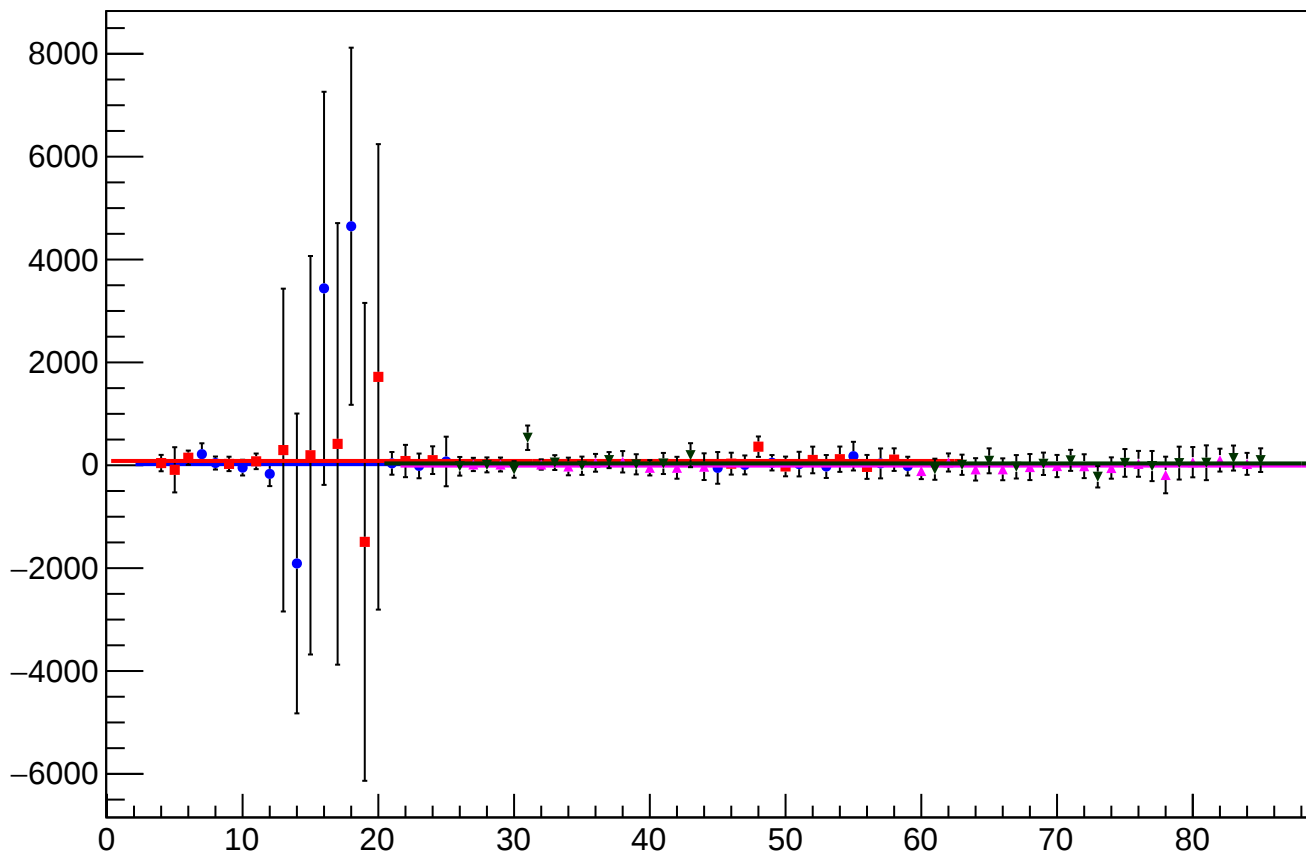
126.269 $\pm$ 0.020 χ^2 /NDF: 4704168.8/40

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

116.592 $\pm$ 0.019 χ^2 /NDF: 4386239.4/40

Left In: 136.168 $\pm$ 0.028 χ^2 /NDF: 1282982.8/21

asym_bcm_an_us_mean vs slug



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

Left Out: 36.051 ± 42.388 χ^2/NDF : 8.2/22

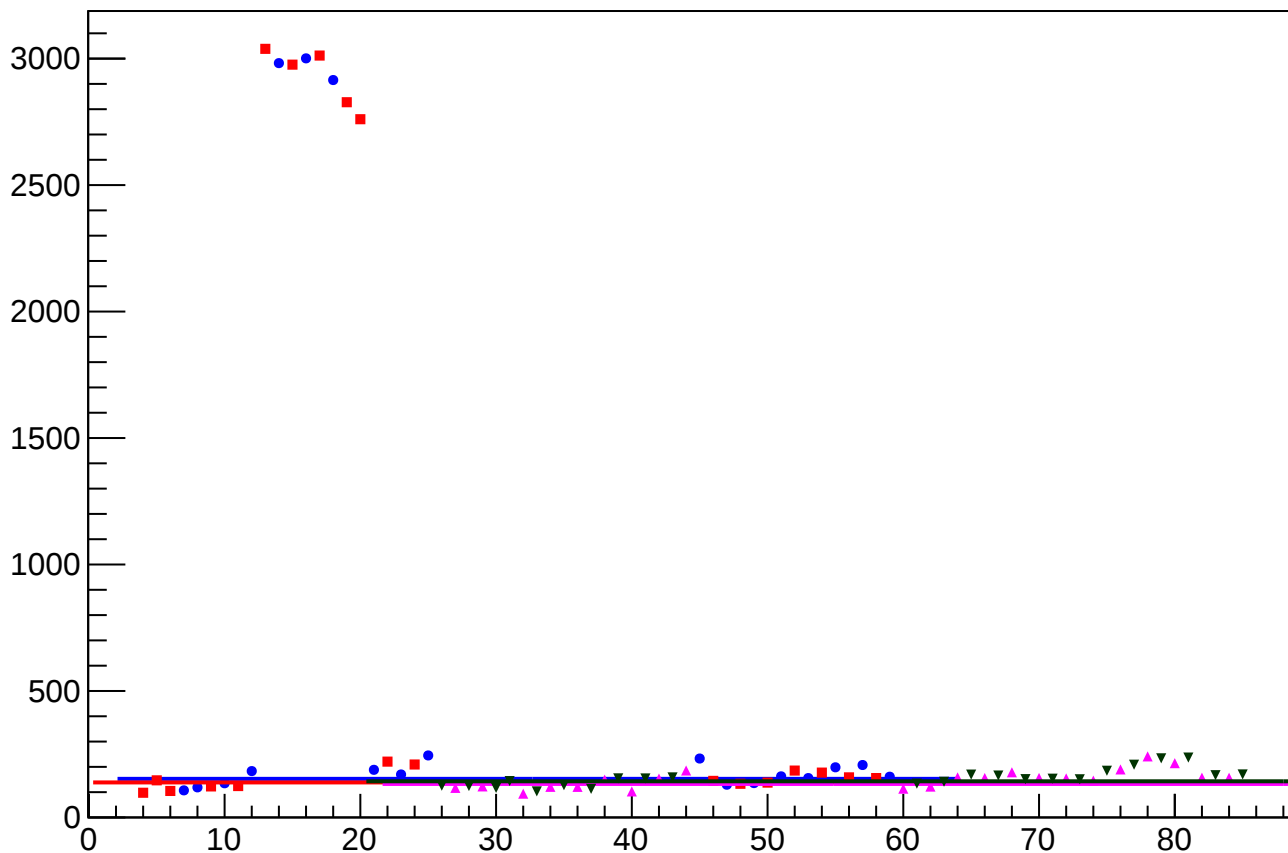
Right Out: 84.092 ± 52.636 χ^2/NDF : 3.5/18

Left In: -6.469 ± 39.000 χ^2/NDF : 1.9/21

30.398 ± 32.947 χ^2/NDF : 13.5/40

25.628 ± 31.336 χ^2/NDF : 7.3/40

asym_bcm_an_us_rms vs slug



Right In: 152.628 $\pm$ 0.037 χ^2 /NDF: 5017627.8/17

Left Out: 142.954 $\pm$ 0.030 χ^2 /NDF: 938248.1/22

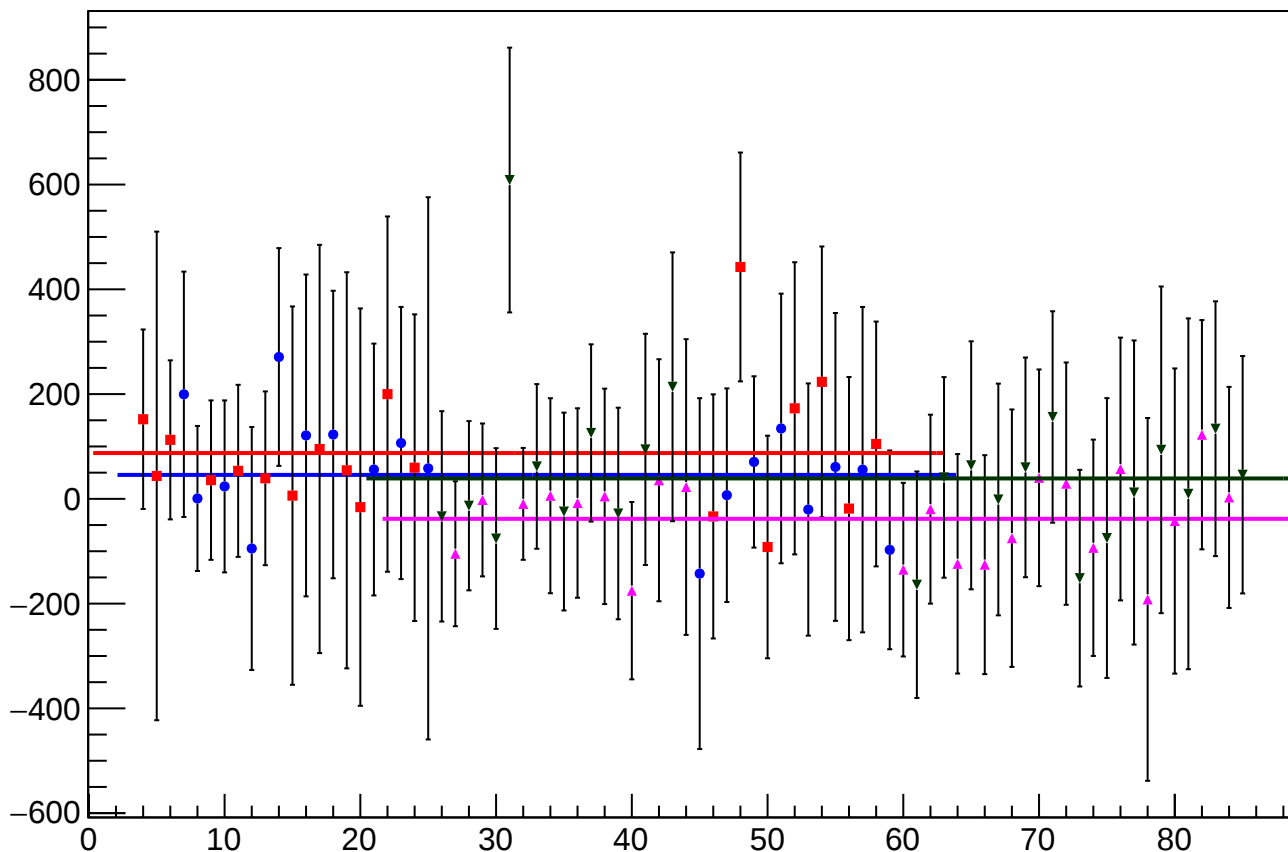
Right Out: 138.455 $\pm$ 0.037 χ^2 /NDF: 5734578.9/18

Left In: 132.462 $\pm$ 0.028 χ^2 /NDF: 1246398.2/21

146.784 $\pm$ 0.023 χ^2 /NDF: 5997115.4/40

134.586 $\pm$ 0.022 χ^2 /NDF: 6997714.1/40

asym_bcm_dg_us_mean vs slug



Right In: 45.739 $\pm$ 52.604 χ^2 /NDF: 3.4/17

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

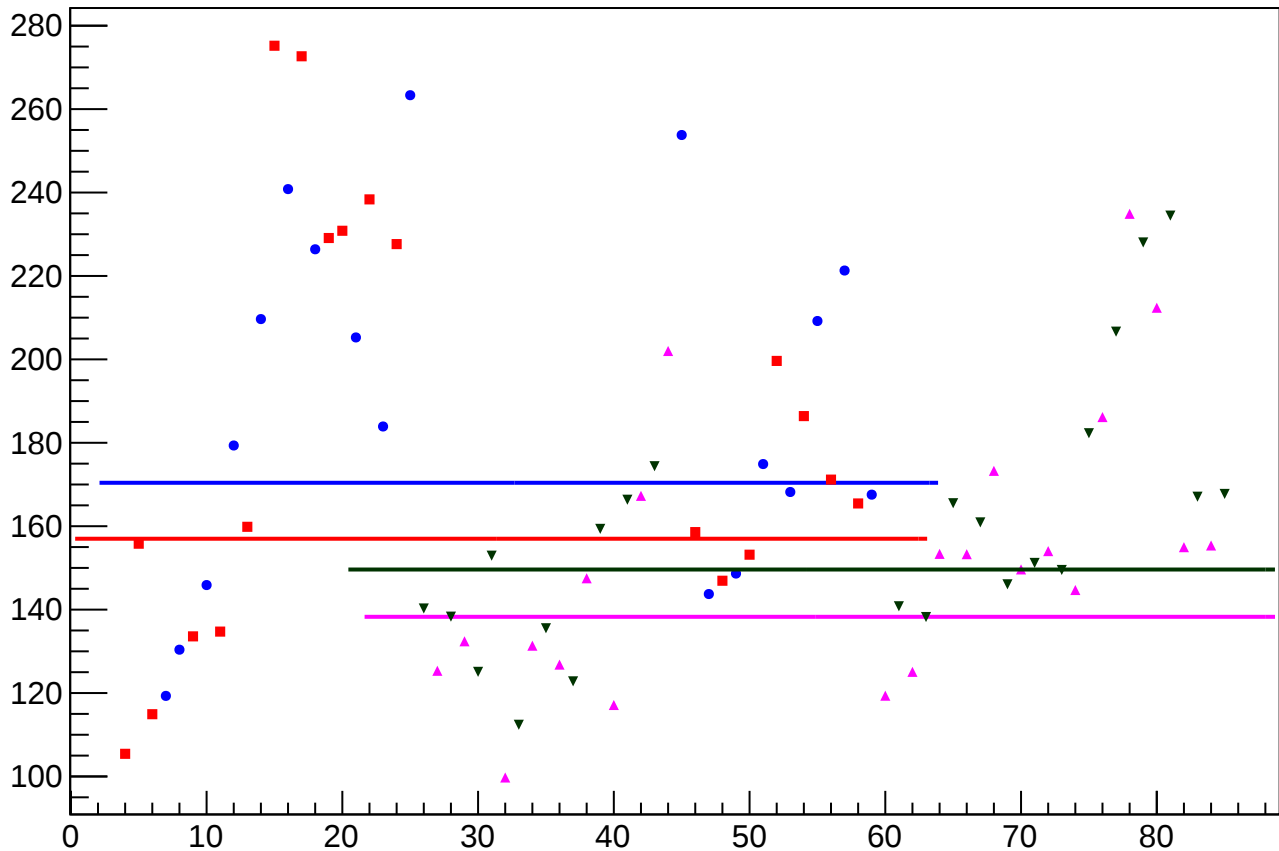
Right Out: 87.434 $\pm$ 51.940 χ^2 /NDF: 4.9/18

Left In: -38.154 $\pm$ 40.476 χ^2 /NDF:3.2/21

41.756 $\pm$ 33.777 χ^2 /NDF: 12.7/40

9.297 $\pm$ 31.927 χ^2 /NDF: 11.7/40

asym_bcm_dg_us_rms vs slug



Right In: 170.412+/-0.037 χ^2/NDF : 964671.4/17

Left Out: 149.616+/-0.031 χ^2/NDF : 673633.5/22

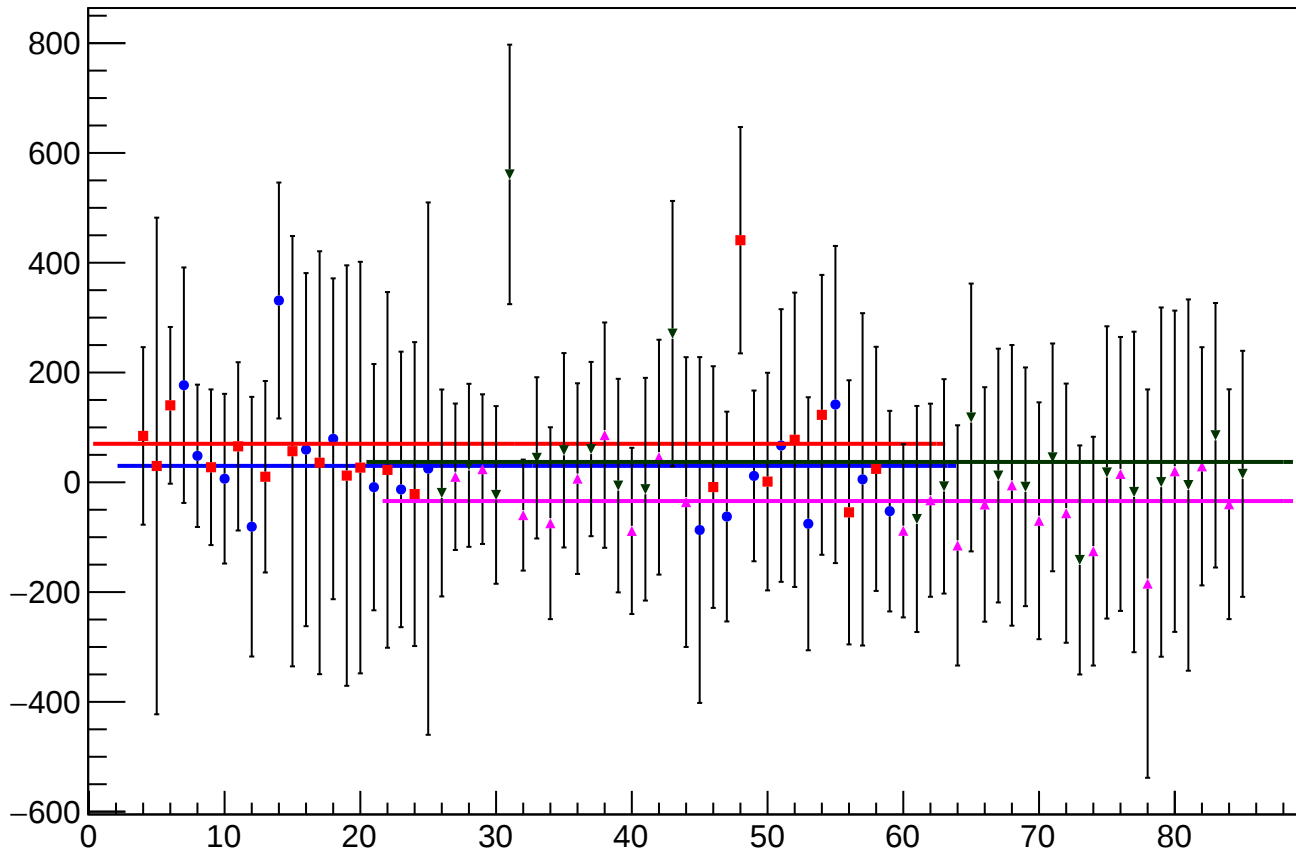
158.190+/-0.024 χ^2/NDF : 1822008.1/40

Right Out: 156.997+/-0.037 χ^2/NDF : 1276447.5/18

145.351+/-0.023 χ^2/NDF : 2396553.9/40

Left In: 138.279+/-0.029 χ^2/NDF : 958502.6/21

asym_bcm_dg_ds_mean vs slug



Right In: 29.919 ± 50.591 χ^2/NDF : 3.8/17

Left Out: 37.091 ± 42.655 χ^2/NDF : 7.5/22

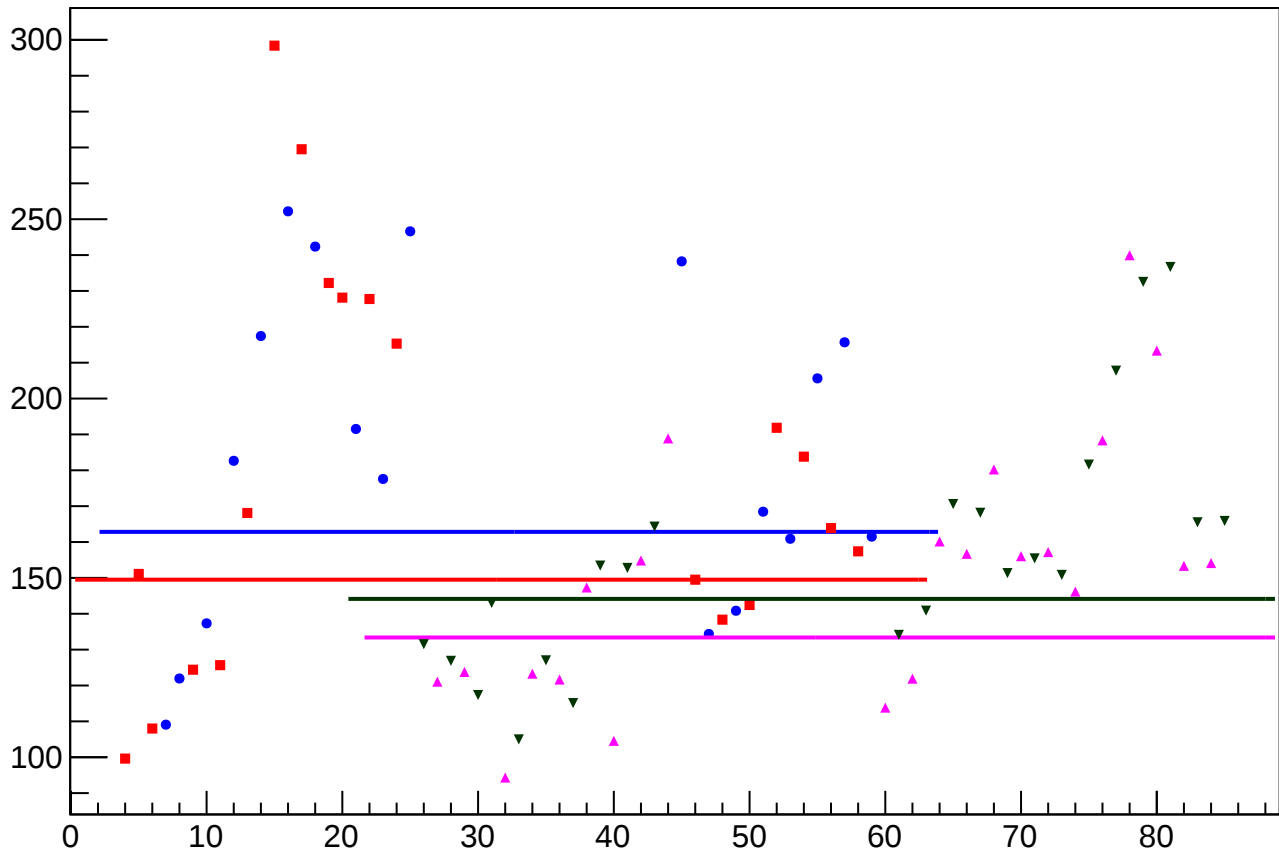
Right Out: 70.155 ± 49.782 χ^2/NDF : 4.5/18

Left In: -34.147 ± 39.221 χ^2/NDF : 1.9/21

34.111 ± 32.611 χ^2/NDF : 11.3/40

5.799 ± 30.808 χ^2/NDF : 9.1/40

asym_bcm_dg_ds_rms vs slug



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

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

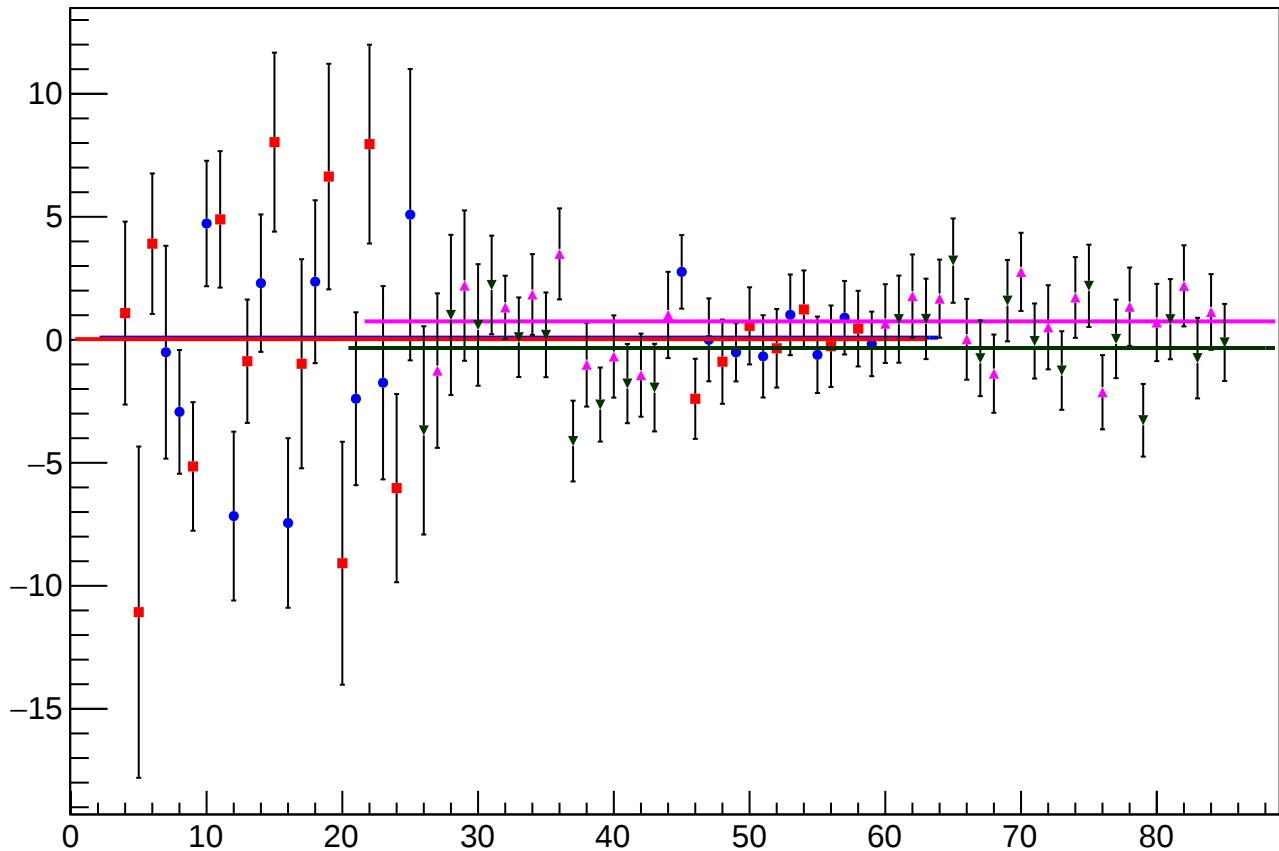
Right Out: 149.507+/-0.035 χ^2/NDF : 1490705.1/18

Left In: 133.386+/-0.028 χ^2/NDF : 1205897.4/21

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

139.560+/-0.022 χ^2/NDF : 2825996.9/40

asym_cav4bQ_mean vs slug



Right In: 0.089 ± 0.466 χ^2/NDF : 21.1/17

Left Out: -0.333 ± 0.358 χ^2/NDF : 25.9/22

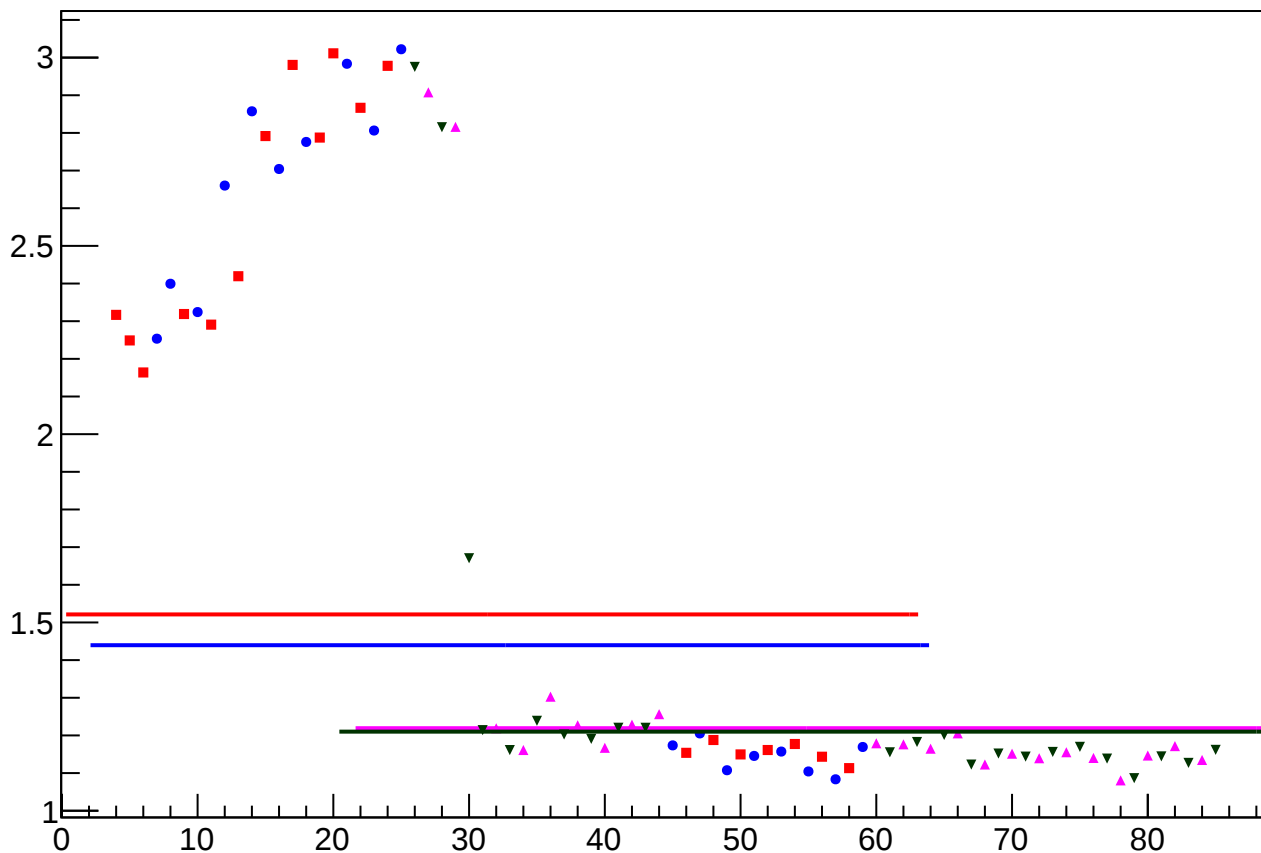
Right Out: 0.028 ± 0.520 χ^2/NDF : 31.9/18

Left In: 0.749 ± 0.356 χ^2/NDF : 16.2/21

-0.176 ± 0.284 χ^2/NDF : 47.5/40

0.519 ± 0.294 χ^2/NDF : 49.4/40

asym_cav4bQ_rms vs slug



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

Left Out: 1.210 $\pm$ 0.000 χ^2 /NDF:952830.8/22

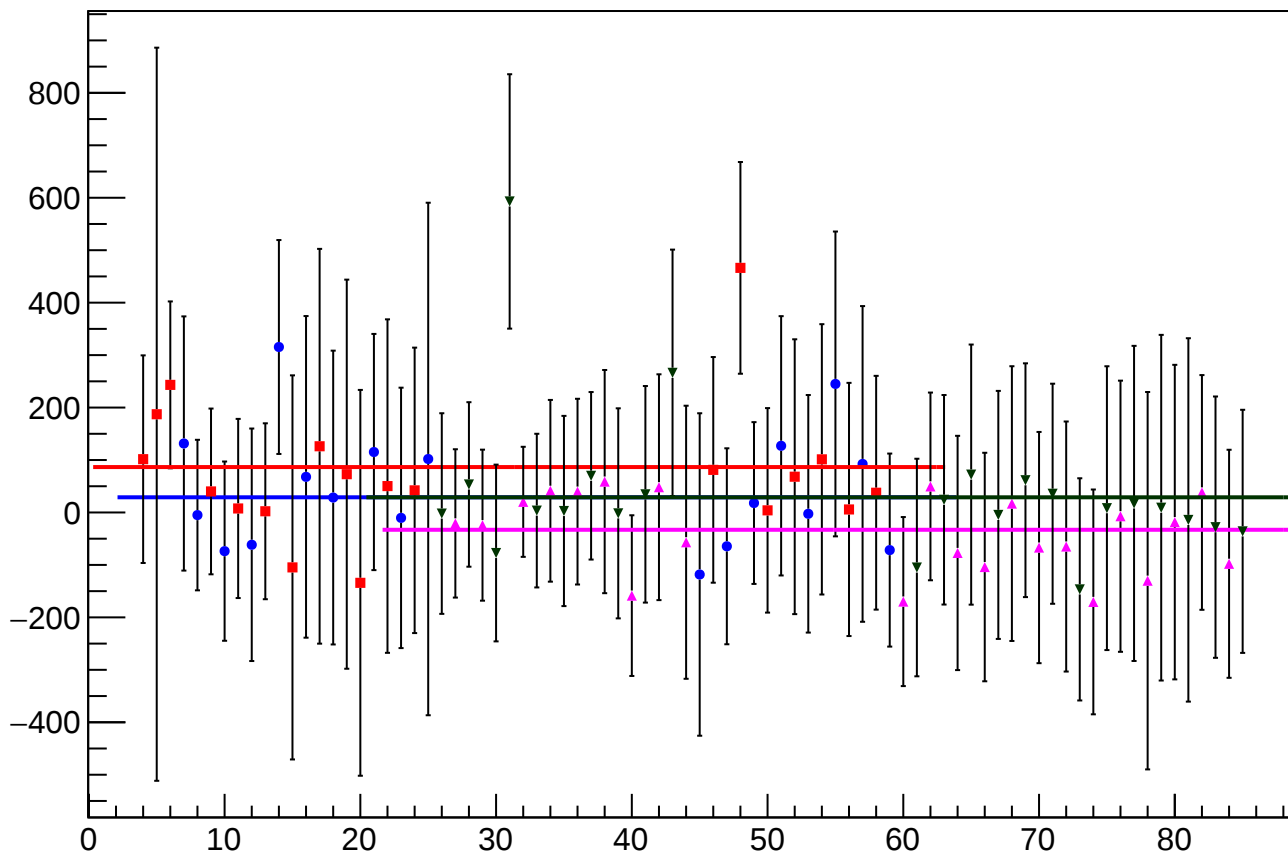
Right Out: 1.521 $\pm$ 0.000 χ^2 /NDF: 2870549.2/18

Left In: 1.219 $\pm$ 0.000 χ^2 /NDF:1189834.5/21

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

1.316 $\pm$ 0.000 χ^2 /NDF: 4520701.5/40

asym_cav4cQ_mean vs slug



Right In: 28.930 $\pm$ 51.478 χ^2/NDF : 4.5/17

Left Out: 28.902 $\pm$ 43.534 χ^2/NDF : 8.4/22

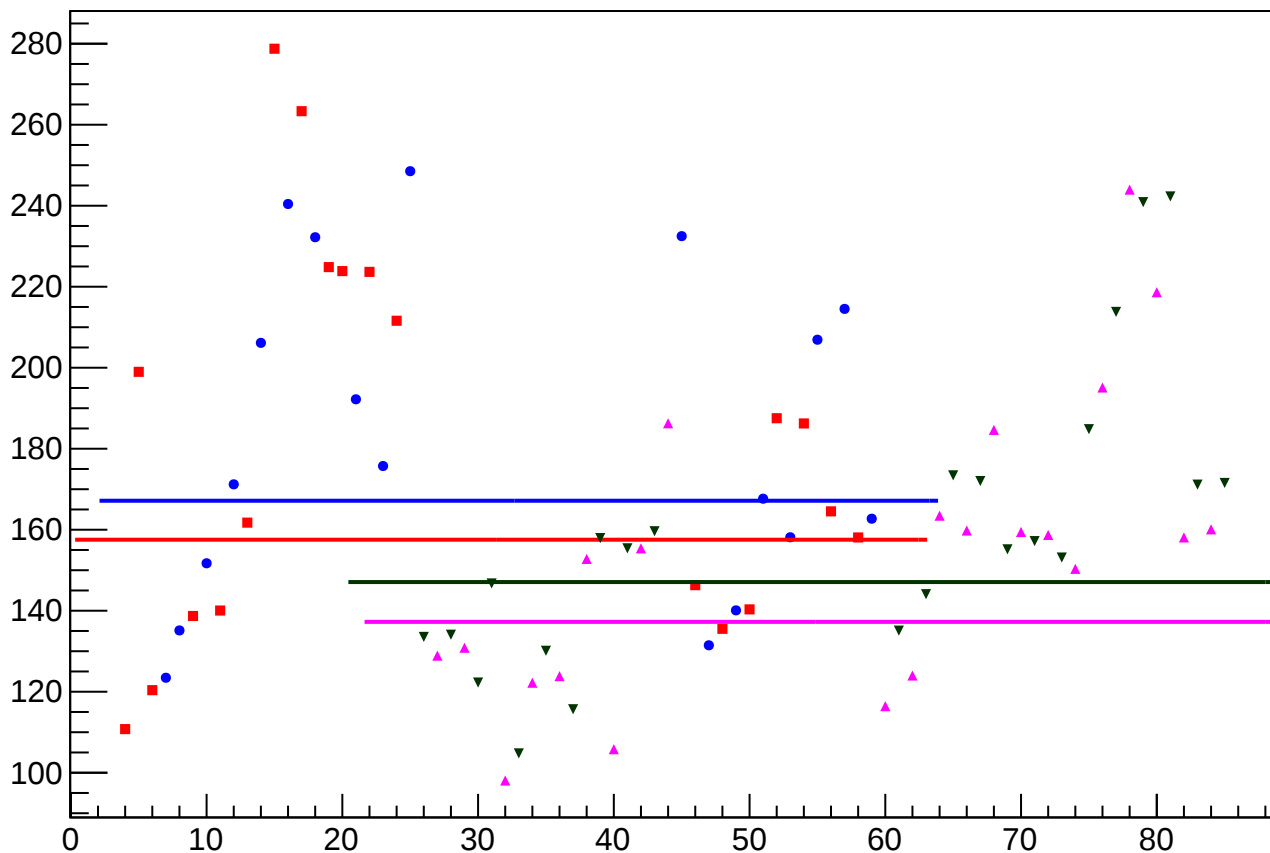
Right Out: 86.558 $\pm$ 52.059 χ^2/NDF : 6.1/18

Left In: -33.004 $\pm$ 40.299 χ^2/NDF : 3.5/21

28.914 $\pm$ 33.241 χ^2/NDF : 12.9/40

11.797 $\pm$ 31.867 χ^2/NDF : 12.9/40

asym_cav4cQ_rms vs slug



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

Left Out: 147.079 $\pm$ 0.031 χ^2 /NDF:896272.0/22

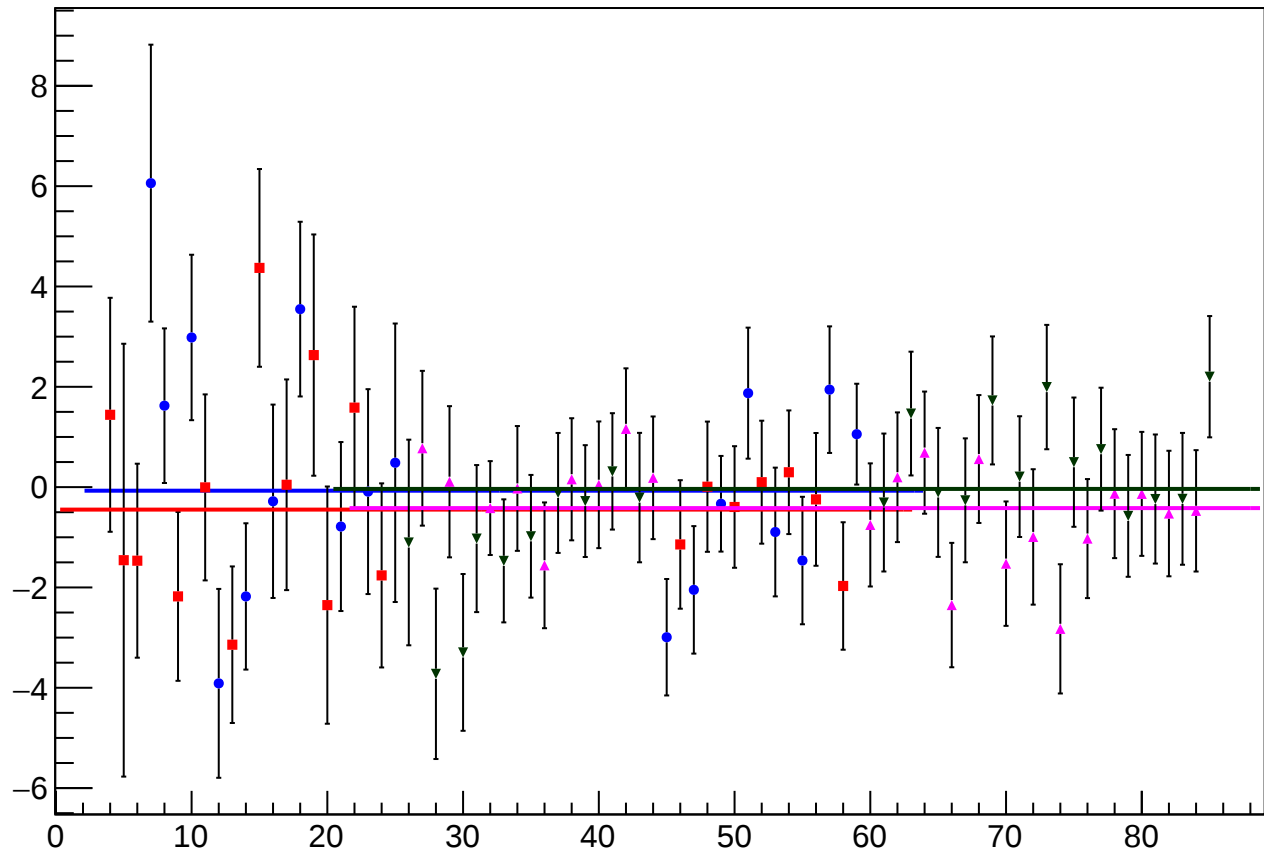
Right Out: 157.534 $\pm$ 0.037 χ^2 /NDF: 1049684.2/18

Left In: 137.250 $\pm$ 0.028 χ^2 /NDF:1162199.4/21

155.452 $\pm$ 0.024 χ^2 /NDF: 1949495.3/40

144.851 $\pm$ 0.023 χ^2 /NDF: 2401749.4/40

asym_cav4dQ_mean vs slug



Right In: -0.071 ± 0.335 χ^2/NDF : 36.8/17

Left Out: -0.036 ± 0.269 χ^2/NDF : 22.4/22

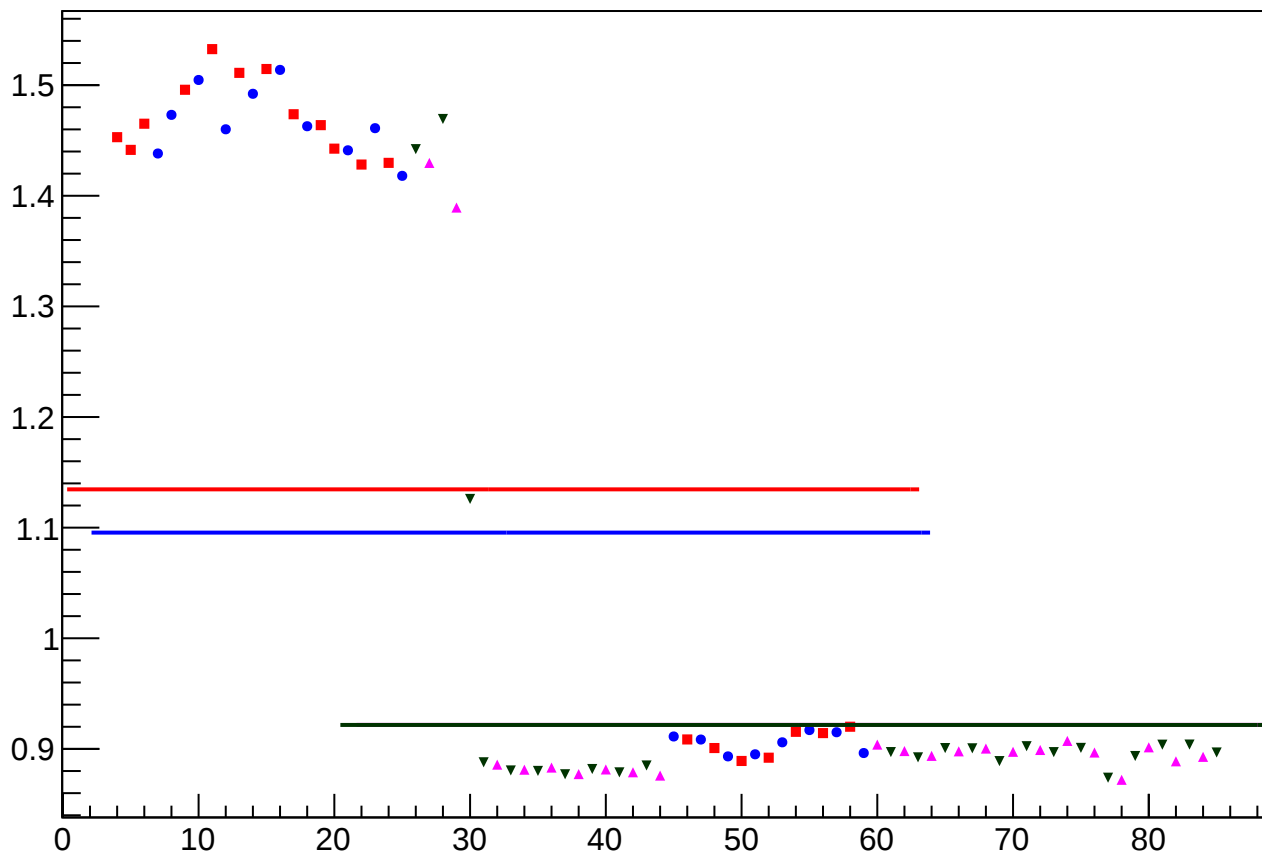
Right Out: -0.448 ± 0.369 χ^2/NDF : 17.4/18

Left In: -0.418 ± 0.265 χ^2/NDF : 13.0/21

-0.050 ± 0.210 χ^2/NDF : 59.2/40

-0.428 ± 0.215 χ^2/NDF : 30.3/40

asym_cav4dQ_rms vs slug



Right In: 1.096+/-0.000 χ^2/NDF : 1288766.9/17

Left Out: 0.922+/-0.000 χ^2/NDF : 398164.9/22

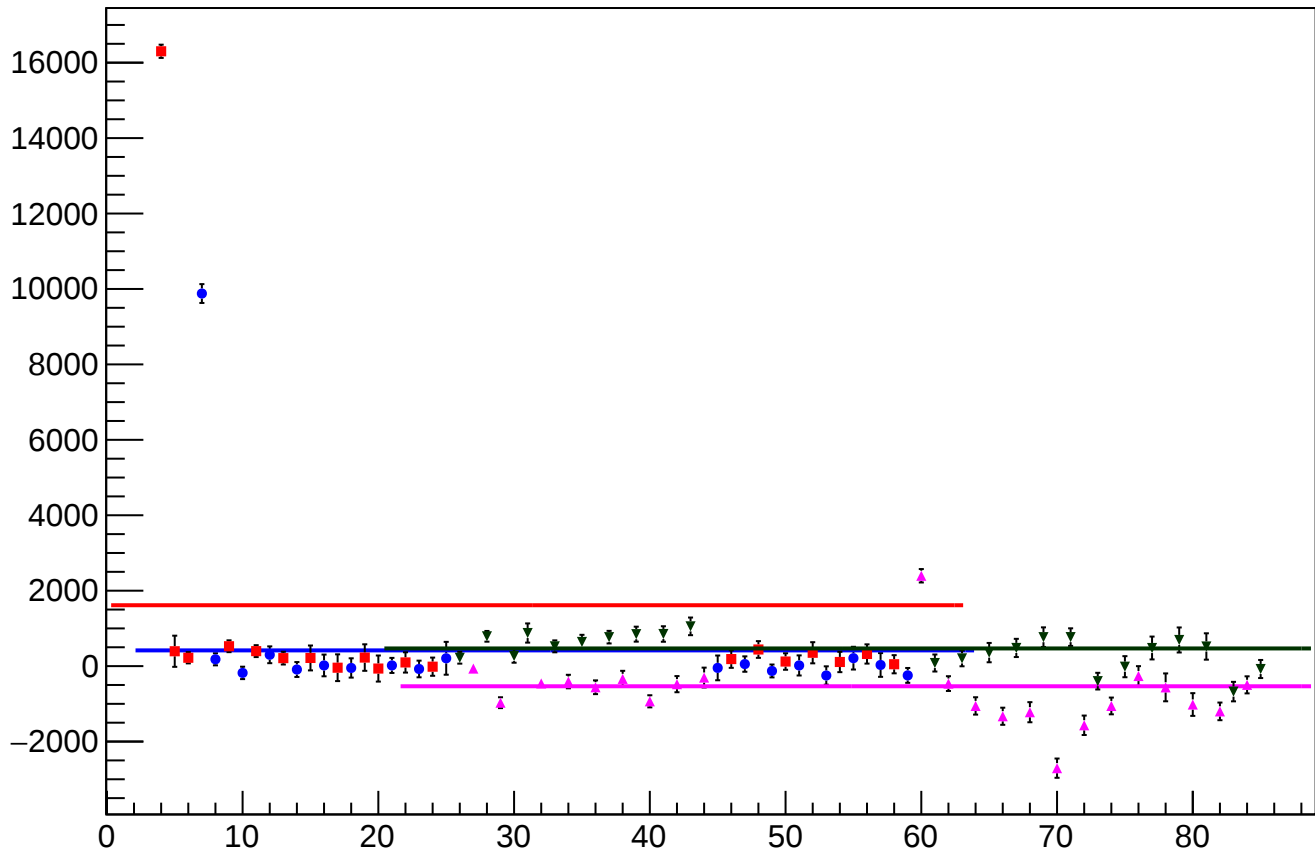
Right Out: 1.135+/-0.000 χ^2/NDF : 1161881.6/18

Left In: 0.922+/-0.000 χ^2/NDF : 438291.2/21

0.990+/-0.000 χ^2/NDF : 2014190.2/40

0.994+/-0.000 χ^2/NDF : 2039168.9/40

asym_bcm0l02_mean vs slug



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

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

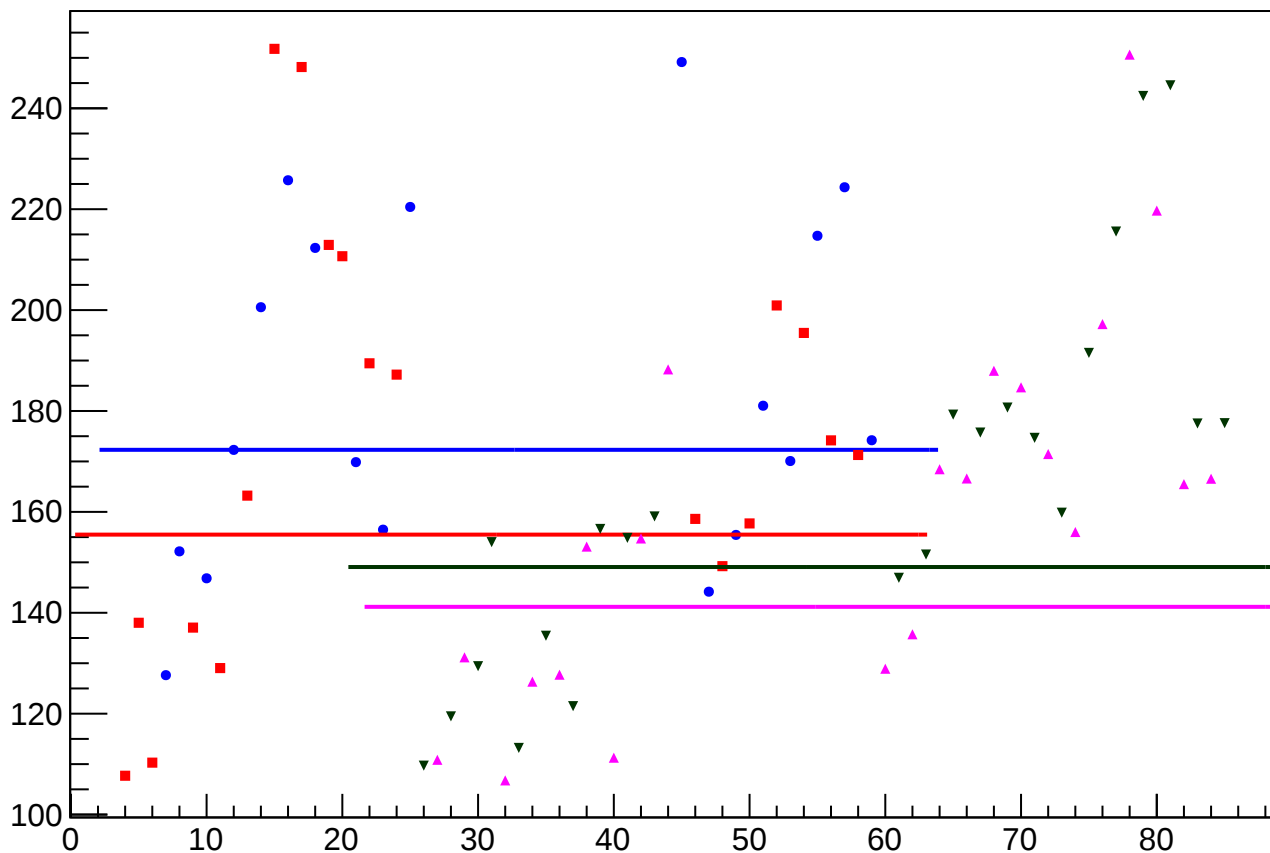
447.320+/-33.878 χ^2/NDF : 1588.8/40

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

316.701+/-32.179 χ^2/NDF : 9165.2/40

Left In: -534.077+/-41.405 χ^2/NDF :433.6/21

asym_bcm0l02_rms vs slug



Right In: 172.303 ± 0.037 χ^2/NDF : 600813.3/17

Left Out: 149.071 ± 0.031 χ^2/NDF : 1028575.3/22

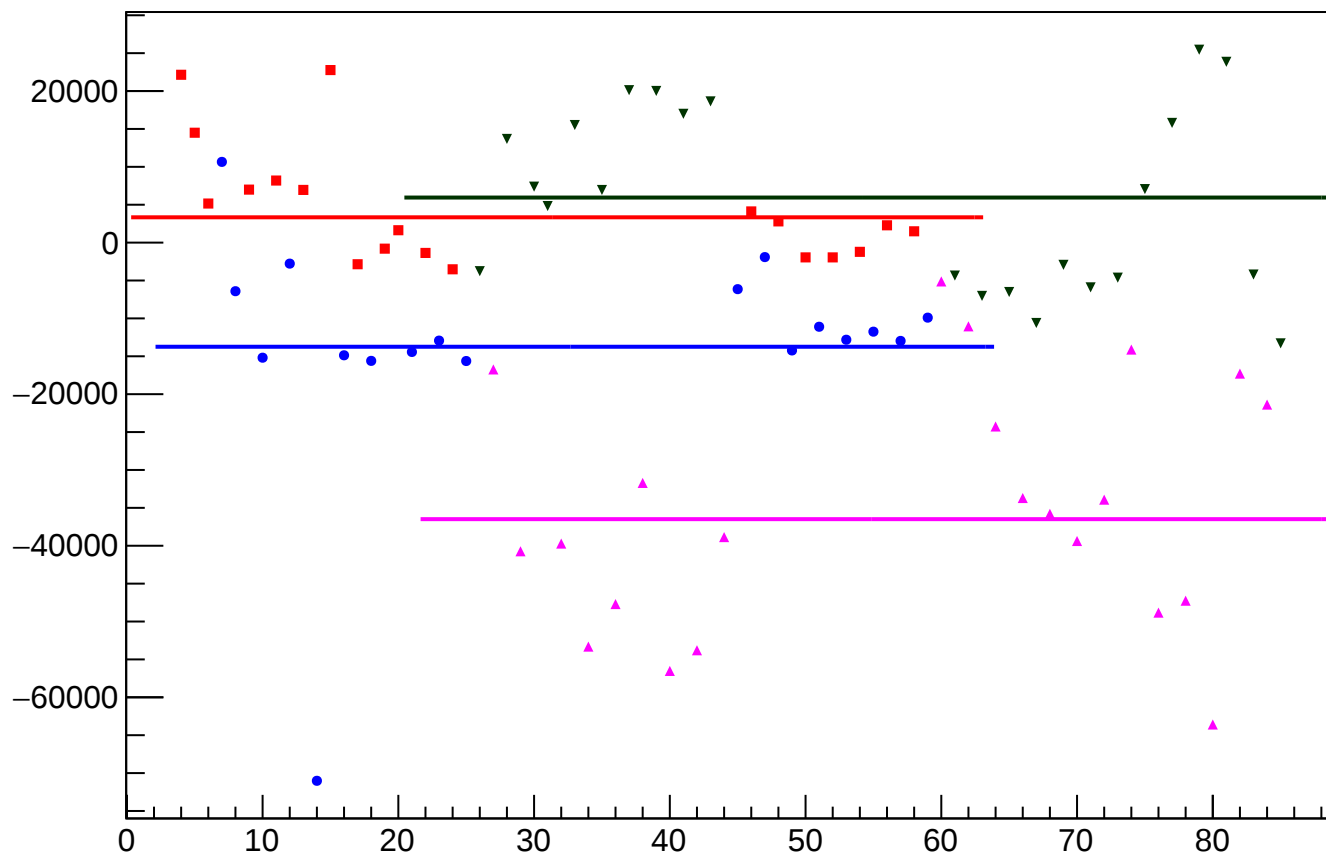
Right Out: 155.494 ± 0.036 χ^2/NDF : 1018742.9/18

Left In: 141.179 ± 0.029 χ^2/NDF : 1160435.5/21

158.695 ± 0.024 χ^2/NDF : 1857608.4/40

146.847 ± 0.023 χ^2/NDF : 2273835.9/40

asym_bpm2i01WS_mean vs slug



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

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

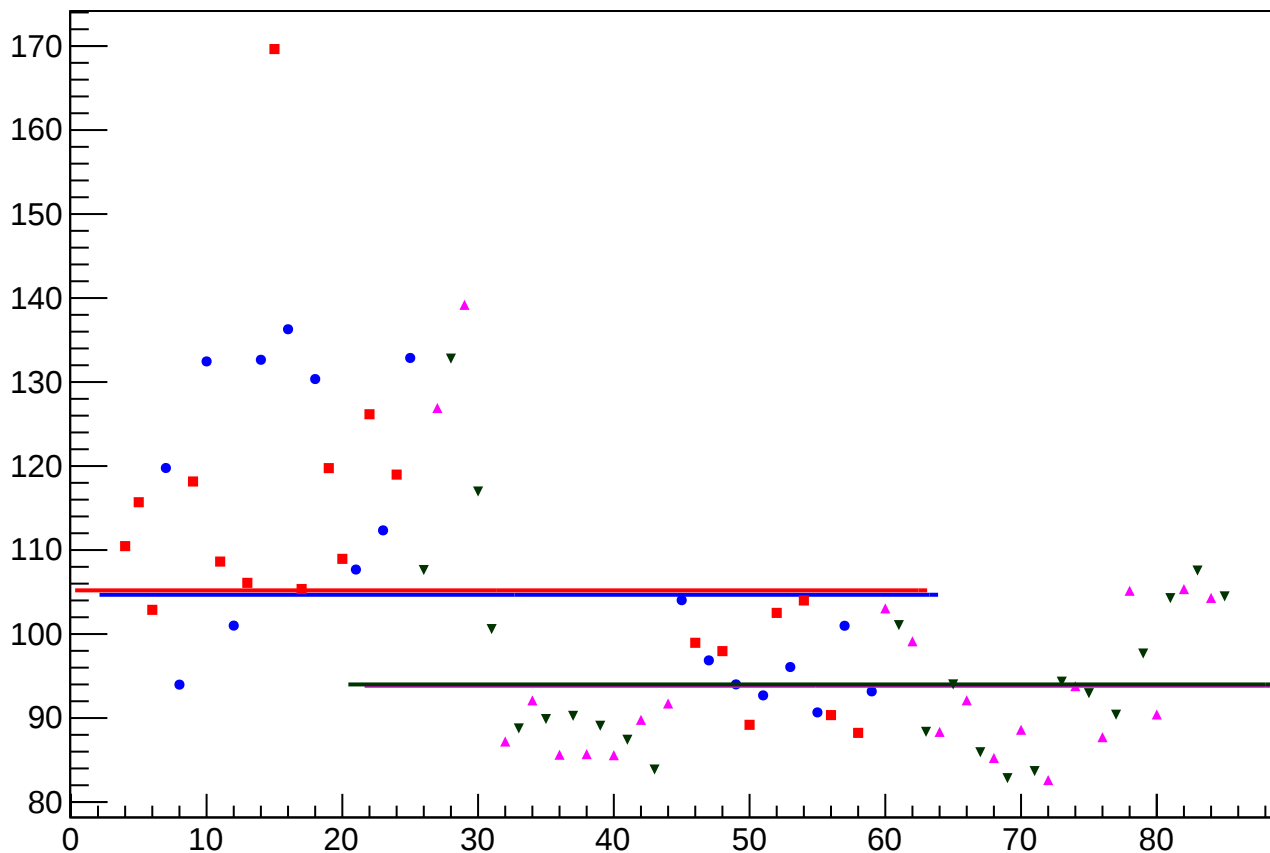
Right Out: 3338.926 ± 34.258 χ^2/NDF : 31361.1/18

Left In: -36491.708 ± 27.376 χ^2/NDF : 300570.4/21

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

-20968.722 ± 21.386 χ^2/NDF : 1156920.2/40

asym_bpm2i01WS_rms vs slug



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

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

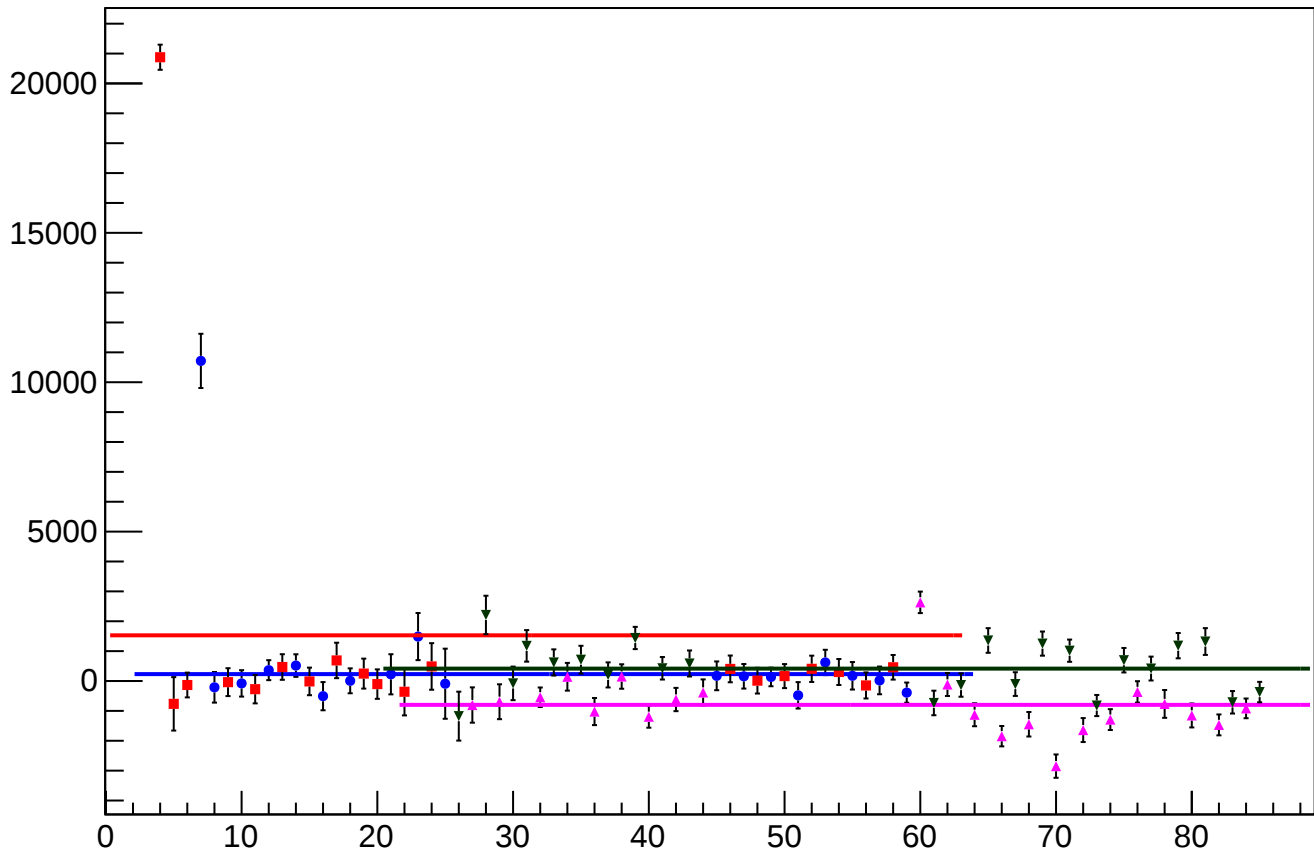
98.582 $\pm$ 0.015 χ^2 /NDF: 851014.2/40

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

98.265 $\pm$ 0.015 χ^2 /NDF: 872182.9/40

Left In: 93.836 $\pm$ 0.019 χ^2 /NDF:401140.1/21

asym_bpm0i07WS_mean vs slug



Right In: 230.965 ± 105.235 $\chi^2/\text{NDF}: 148.0/17$

Left Out: 414.571 ± 87.651 $\chi^2/\text{NDF}: 81.0/22$

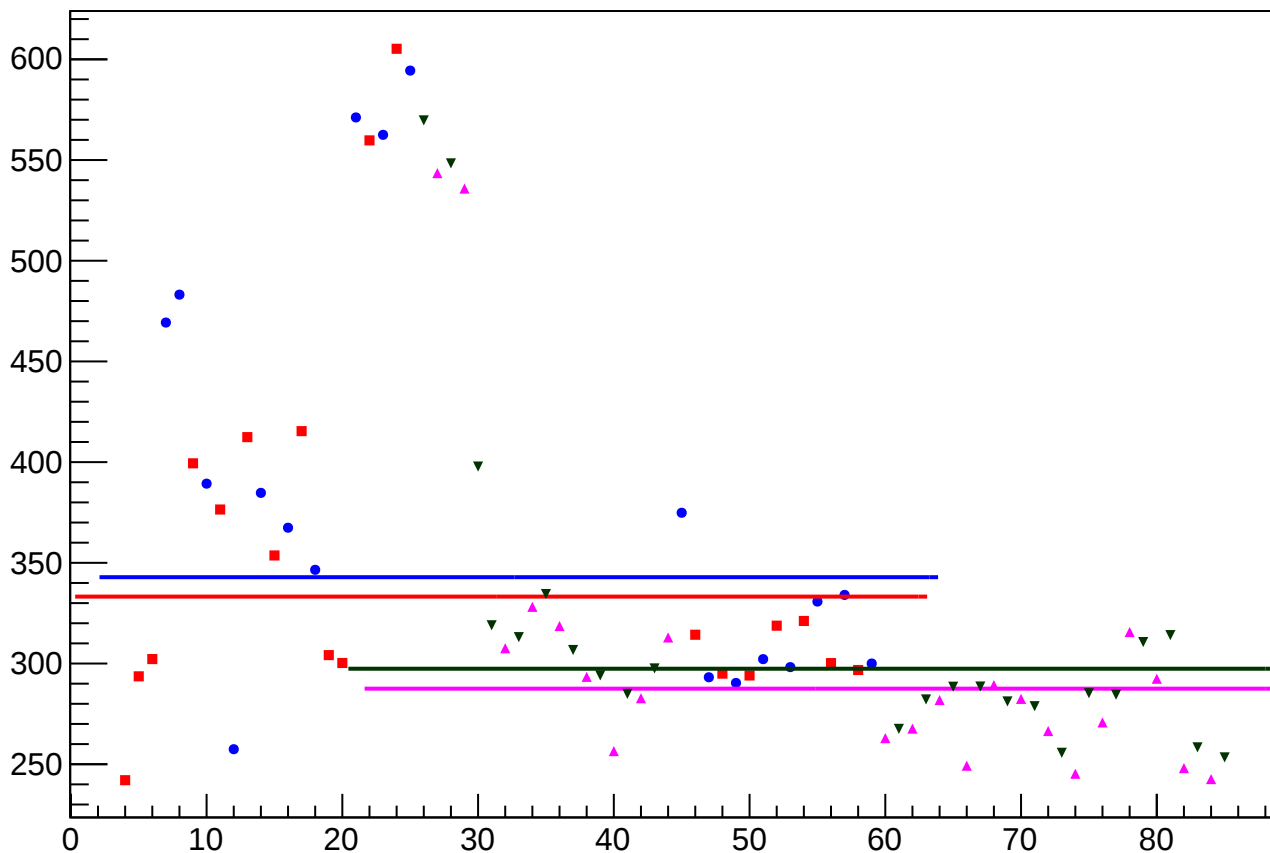
Right Out: 1529.045 ± 108.949 $\chi^2/\text{NDF}: 2274.0/18$

Left In: -798.106 ± 83.735 $\chi^2/\text{NDF}: 159.4/21$

339.368 ± 67.350 $\chi^2/\text{NDF}: 230.7/40$

66.070 ± 66.391 $\chi^2/\text{NDF}: 2720.3/40$

asym_bpm0i07WS_rms vs slug



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

Left Out: 297.419+/-0.062 χ^2/NDF : 725651.4/22

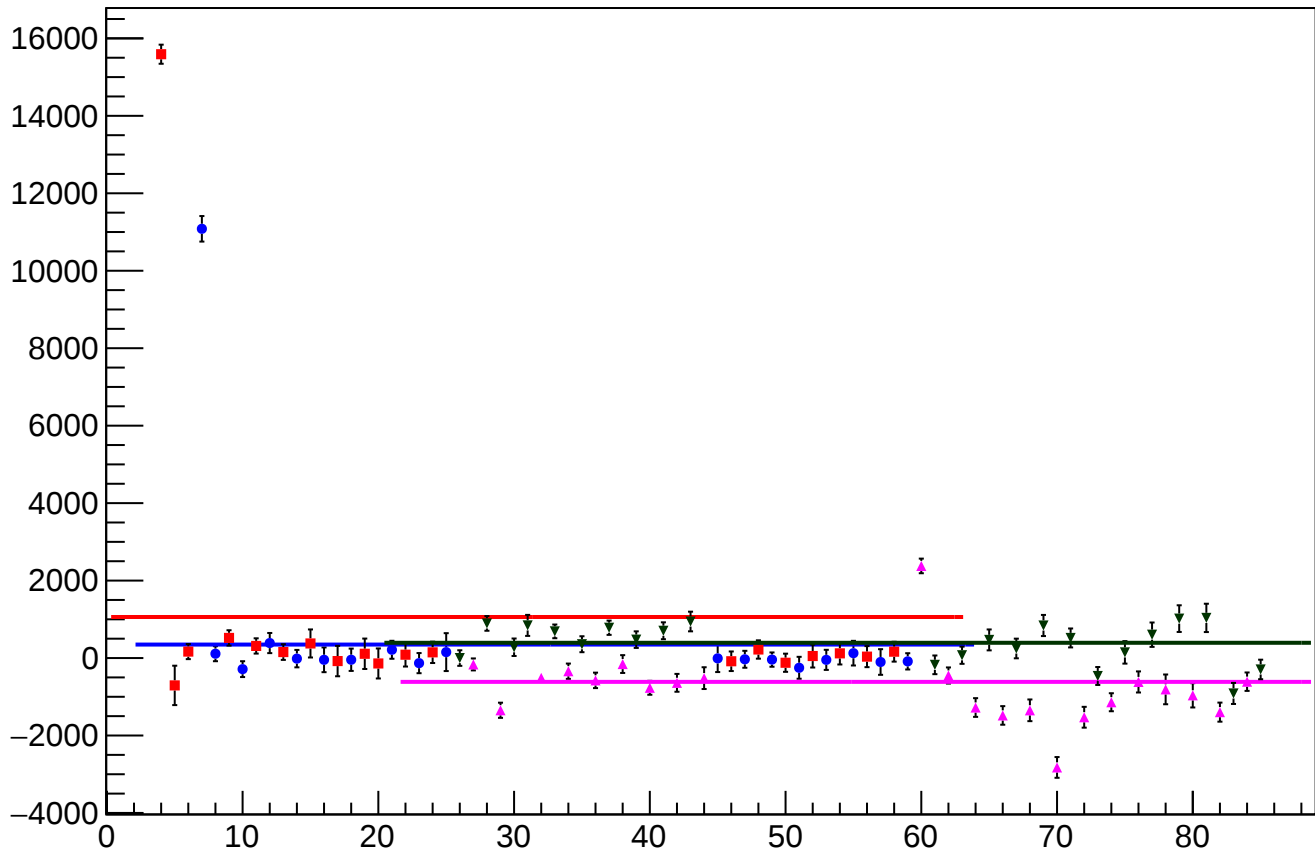
Right Out: 333.230+/-0.077 χ^2/NDF : 768934.3/18

Left In: 287.524+/-0.059 χ^2/NDF : 940885.5/21

316.033+/-0.048 χ^2/NDF : 1964496.0/40

304.497+/-0.047 χ^2/NDF : 1931104.7/40

asym_bpm0l01WS_mean vs slug



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

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

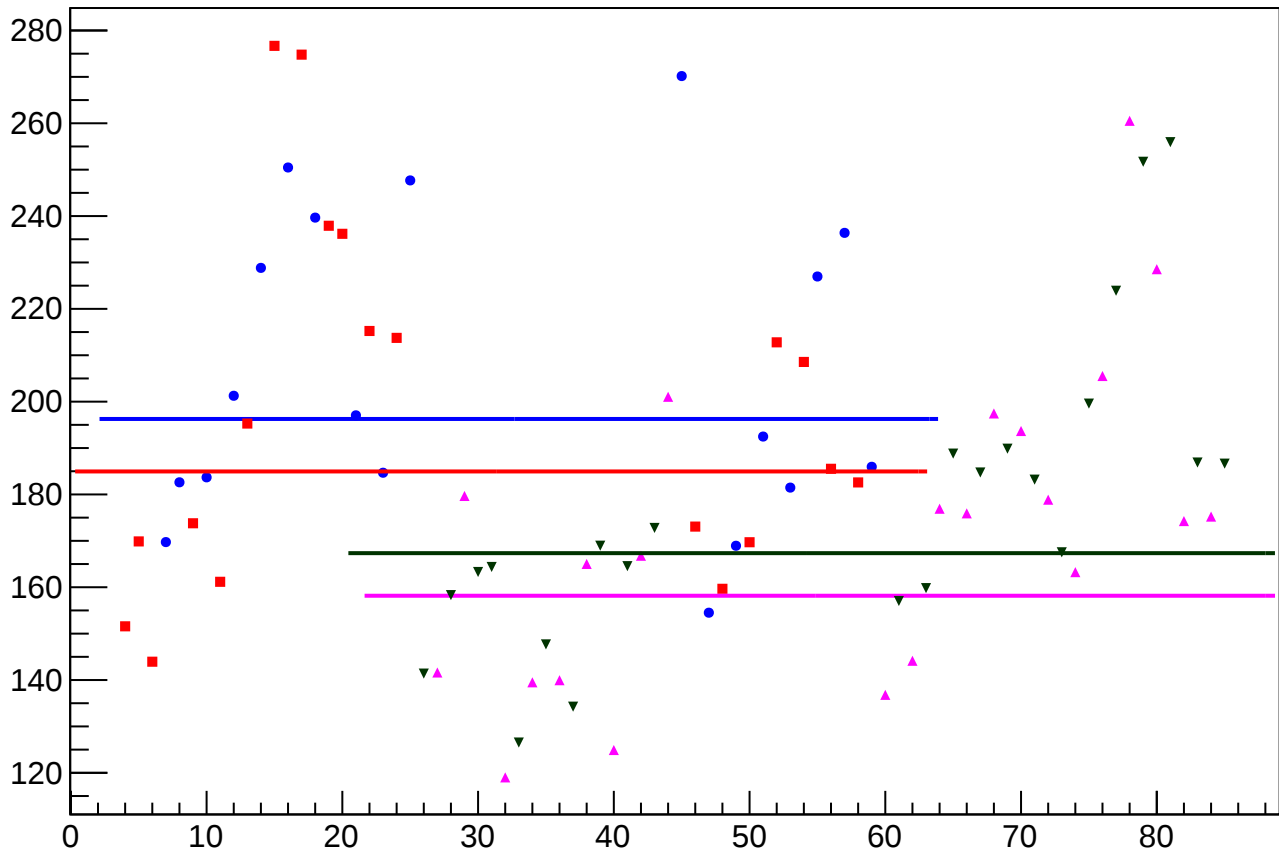
Right Out: 1059.962+/-60.034 χ^2/NDF : 3708.7/18

Left In: -614.953+/-46.045 χ^2/NDF : 405.7/21

375.524+/-37.985 χ^2/NDF : 1194.3/40

5.400+/-36.536 χ^2/NDF : 4604.5/40

asym_bpm0l01WS_rms vs slug



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

Left Out: 167.346 $\pm$ 0.035 χ^2 /NDF: 628198.1/22

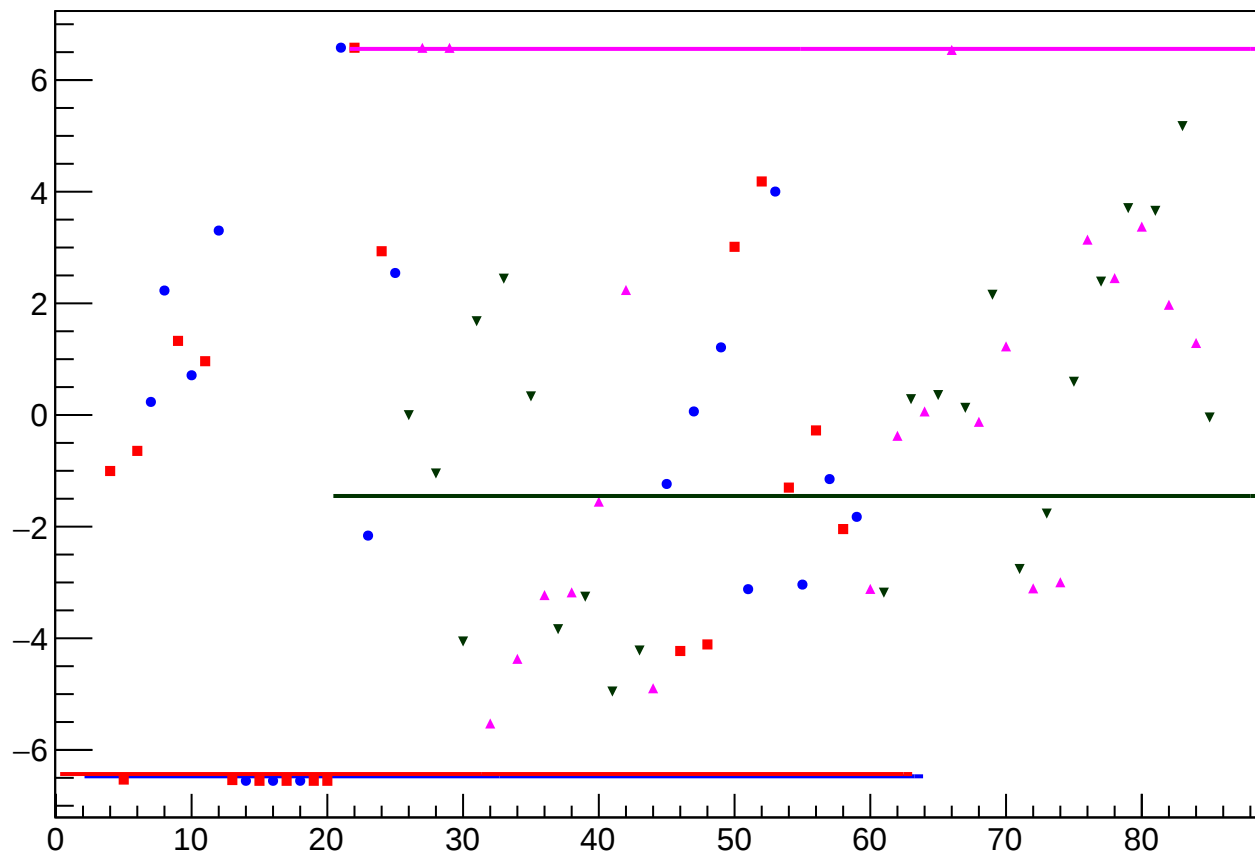
Right Out: 184.956 $\pm$ 0.042 χ^2 /NDF: 580645.4/18

Left In: 158.168 $\pm$ 0.033 χ^2 /NDF: 859428.9/21

179.077 $\pm$ 0.027 χ^2 /NDF: 1373862.0/40

168.090 $\pm$ 0.026 χ^2 /NDF: 1690802.3/40

yield_cav4bX_mean vs slug



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

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

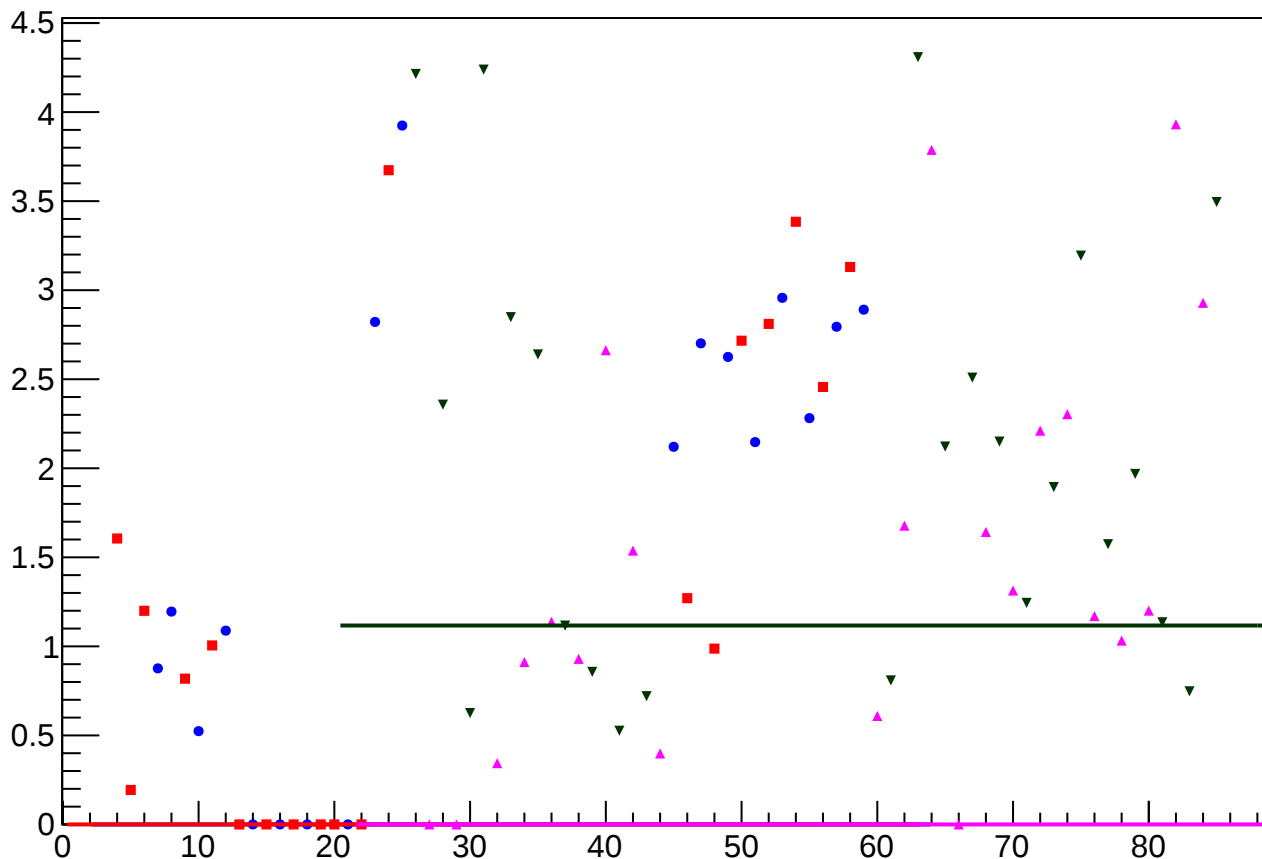
Right Out: -6.432+/-0.000 χ^2/NDF : 150837619676093.8/18

Left In: 6.558+/-0.000 χ^2/NDF : 1588690732.2/21

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

-6.196+/-0.000 χ^2/NDF : 446402761560444.8/4

yield_cav4bX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 11913804.6/17

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

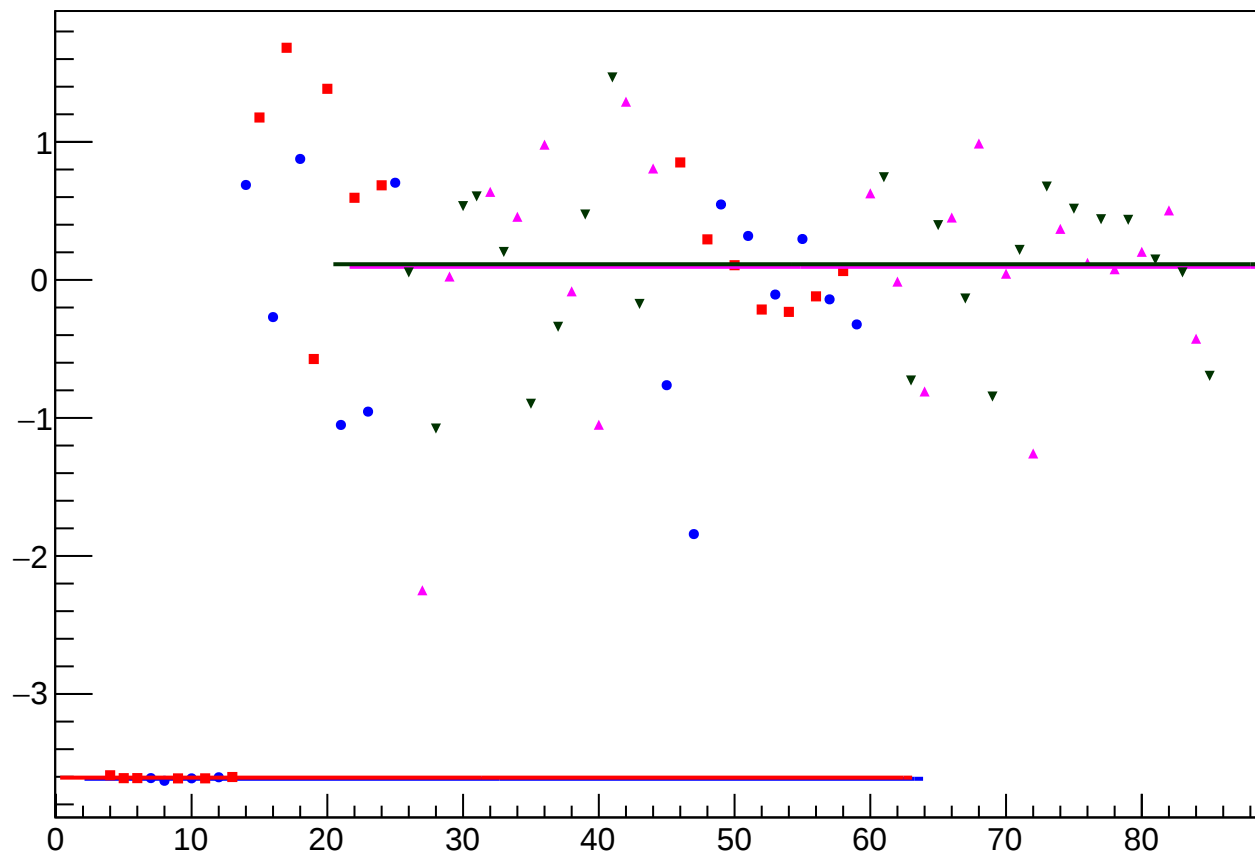
Right Out: 0.000+/-0.000 χ^2/NDF : 9626570.5/18

Left In: 0.000+/-0.000 χ^2/NDF : 14218289.0/21

0.000+/-0.000 χ^2/NDF : 29439137.5/40

0.000+/-0.000 χ^2/NDF : 23844949.4/40

yield_cav4bY_mean vs slug



Right In: -3.614+/-0.000 χ^2/NDF : 49086055221.8/17

Left Out: 0.114+/-0.000 χ^2/NDF : 10877729.0/22

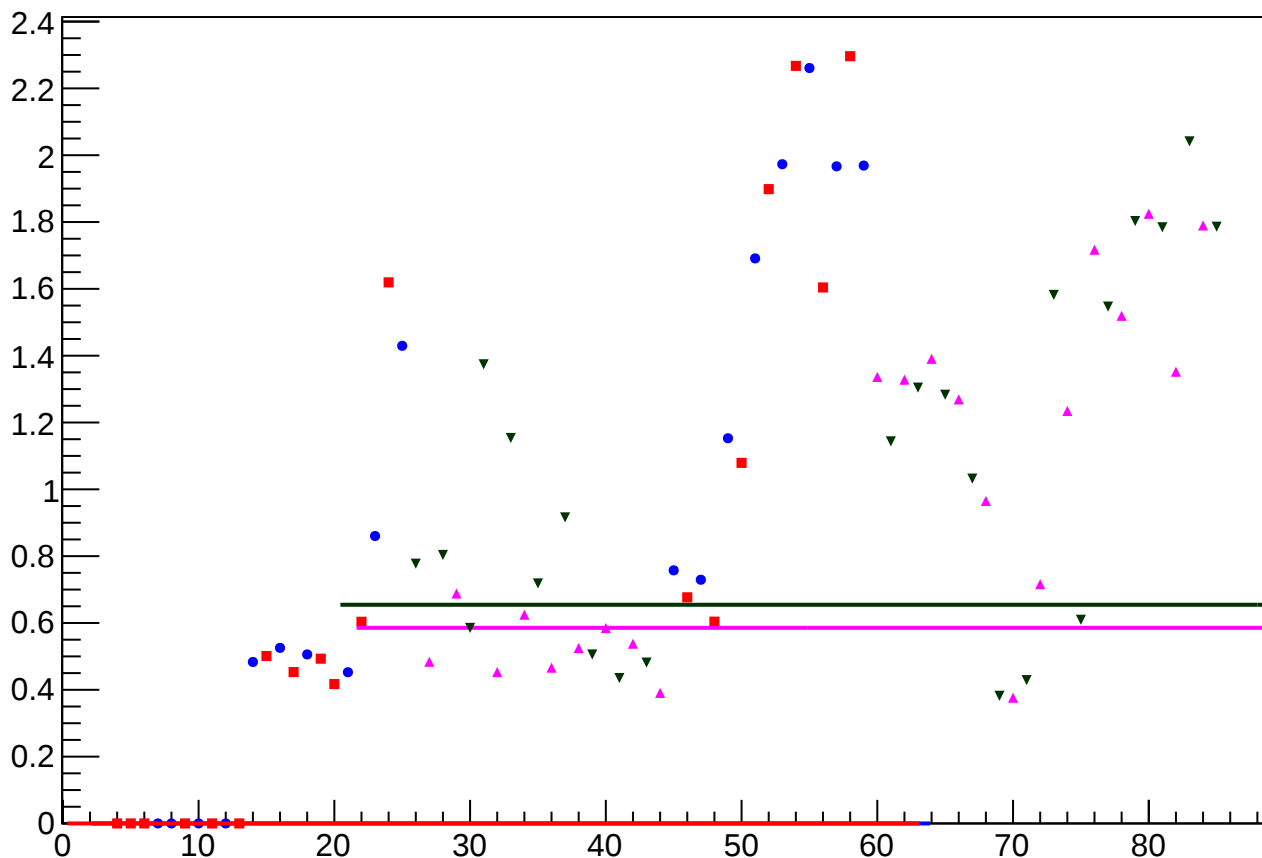
Right Out: -3.606+/-0.000 χ^2/NDF : 37792758949.6/18

Left In: 0.095+/-0.000 χ^2/NDF : 21953942.6/21

-3.614+/-0.000 χ^2/NDF : 49342301816.8/40

-3.606+/-0.000 χ^2/NDF : 38126233617.1/40

yield_cav4bY_rms vs slug



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

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

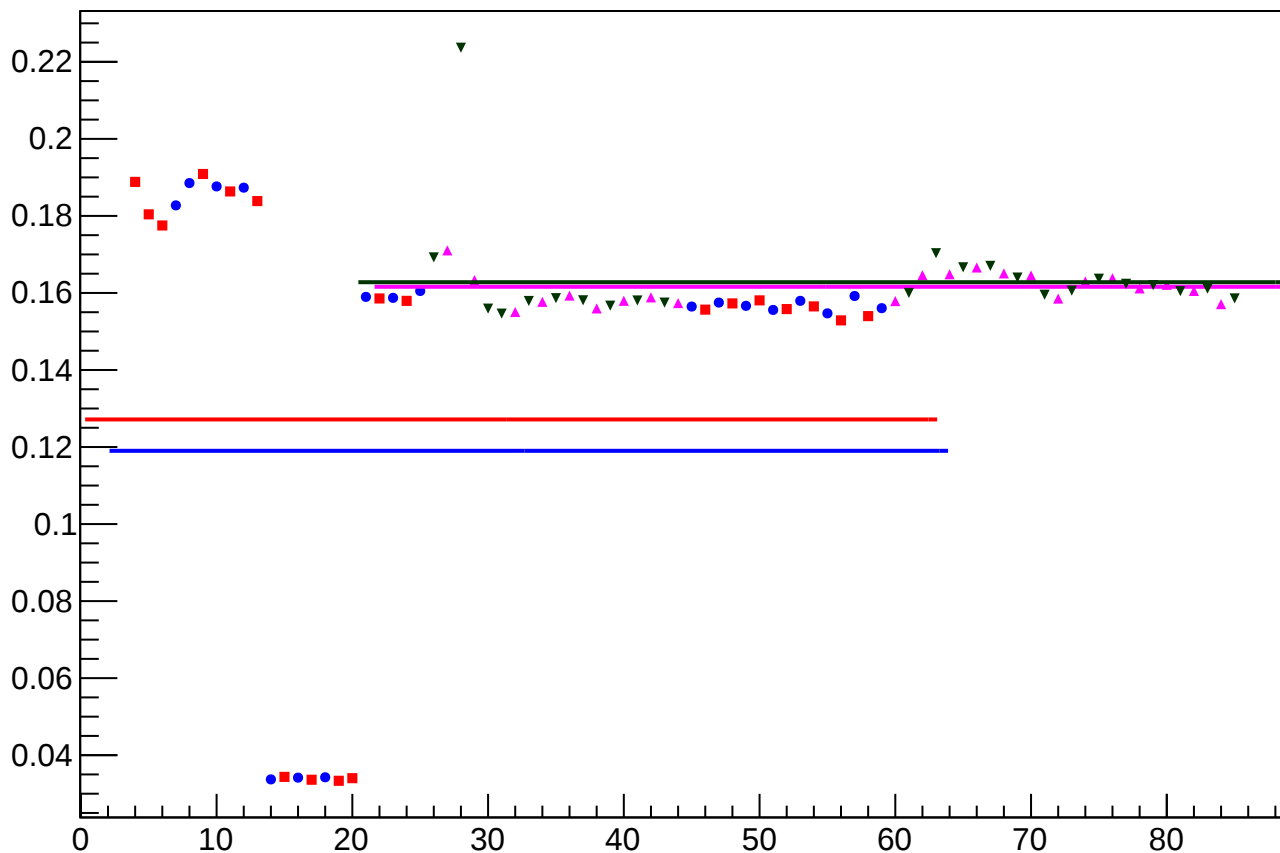
Right Out: 0.000+/-0.000 χ^2/NDF : 10531530.4/18

Left In: 0.586+/-0.000 χ^2/NDF :4449312.9/21

0.000+/-0.000 χ^2/NDF : 33362056.0/40

0.000+/-0.000 χ^2/NDF : 30571628.6/40

yield_cav4cX_mean vs slug



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

Left Out: 0.163 $\pm$ 0.000 χ^2 /NDF:103095267.5/22

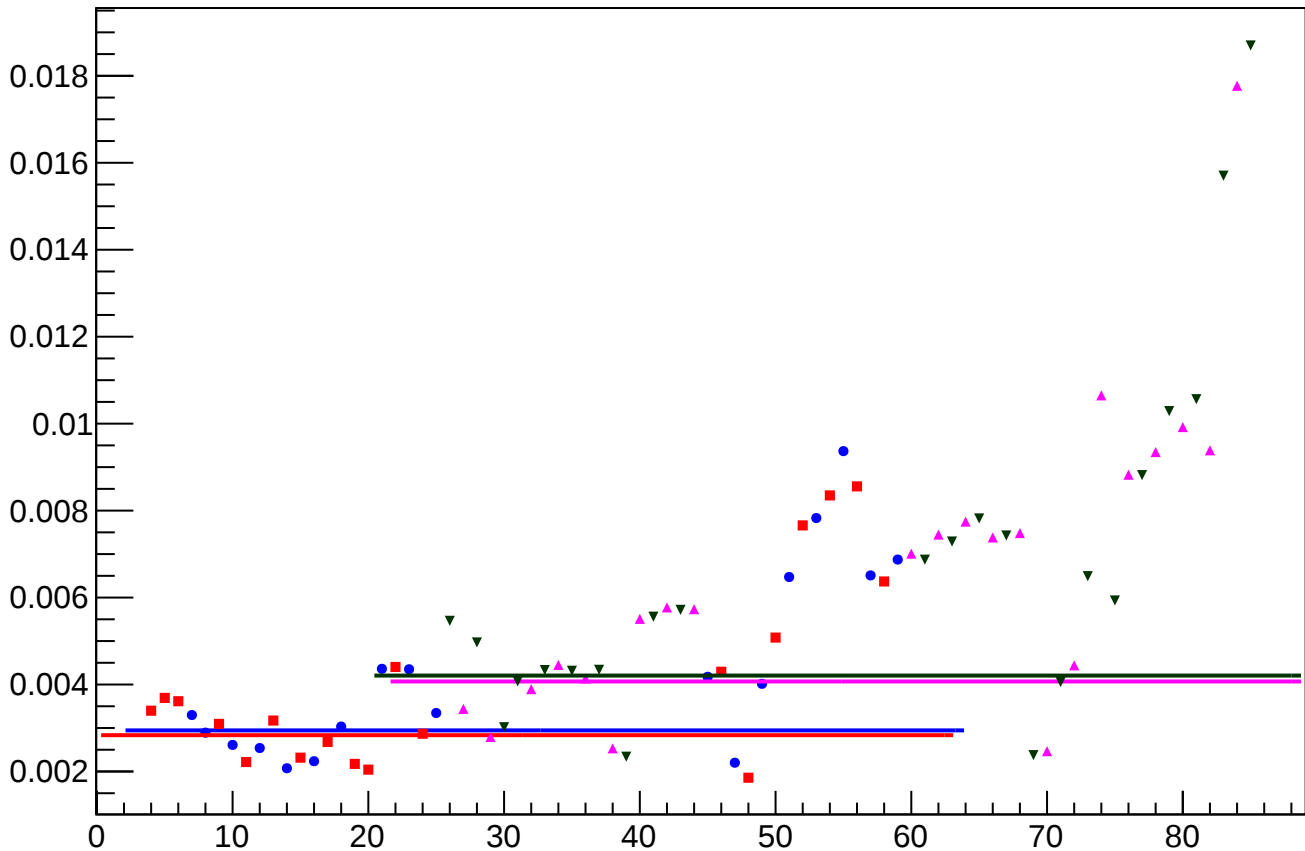
Right Out: 0.127 $\pm$ 0.000 χ^2 /NDF: 4426693928.8/18

Left In: 0.162 $\pm$ 0.000 χ^2 /NDF:13501276.9/21

0.133 $\pm$ 0.000 χ^2 /NDF: 5741119951.1/40

0.140 $\pm$ 0.000 χ^2 /NDF: 4868332743.7/40

yield_cav4cX_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 2985281.5/17

Left Out: 0.004+/-0.000 χ^2/NDF : 4563284.6/22

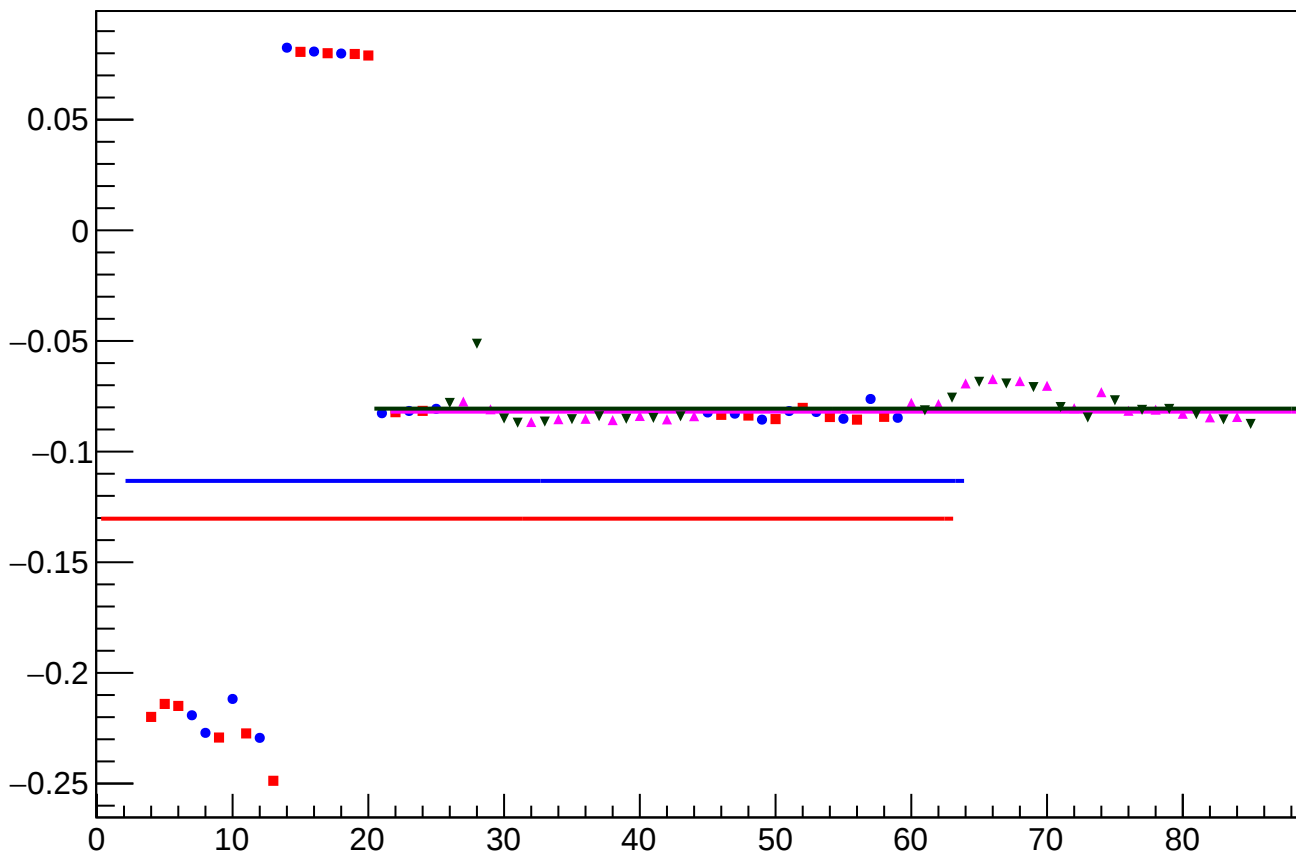
Right Out: 0.003+/-0.000 χ^2/NDF : 2697291.9/18

Left In: 0.004+/-0.000 χ^2/NDF : 4627595.1/21

0.003+/-0.000 χ^2/NDF : 8649553.1/40

0.003+/-0.000 χ^2/NDF : 8425948.5/40

yield_cav4cY_mean vs slug



Right In: -0.113 ± 0.000 χ^2/NDF : 9694608559.9/17

Left Out: -0.081 ± 0.000 χ^2/NDF : 42188967.6/22

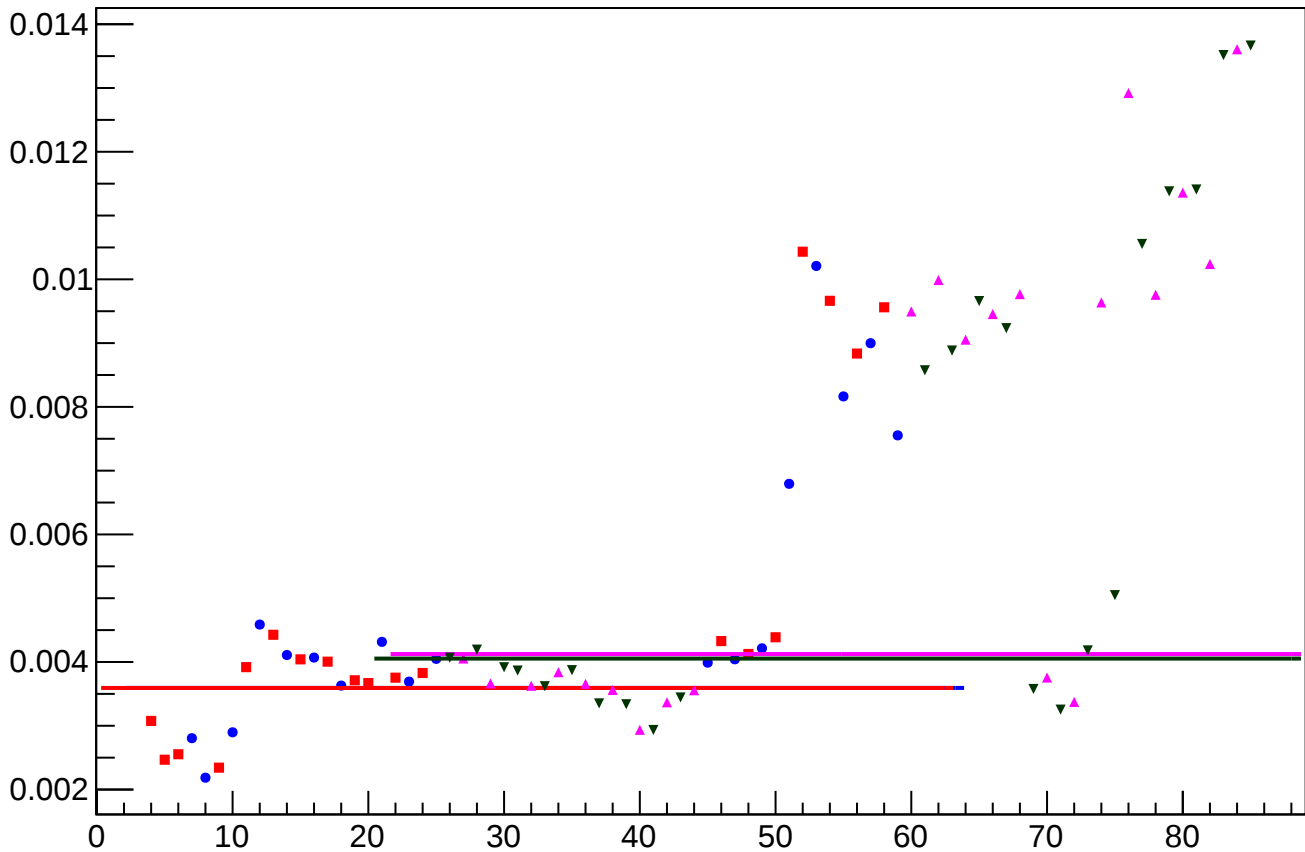
Right Out: -0.130 ± 0.000 χ^2/NDF : 8867144829.5/18

Left In: -0.082 ± 0.000 χ^2/NDF : 13401206.3/21

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

-0.108 ± 0.000 χ^2/NDF : 9566981087.5/40

yield_cav4cY_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 2636393.6/17

Left Out: 0.004+/-0.000 χ^2/NDF : 3539711.2/22

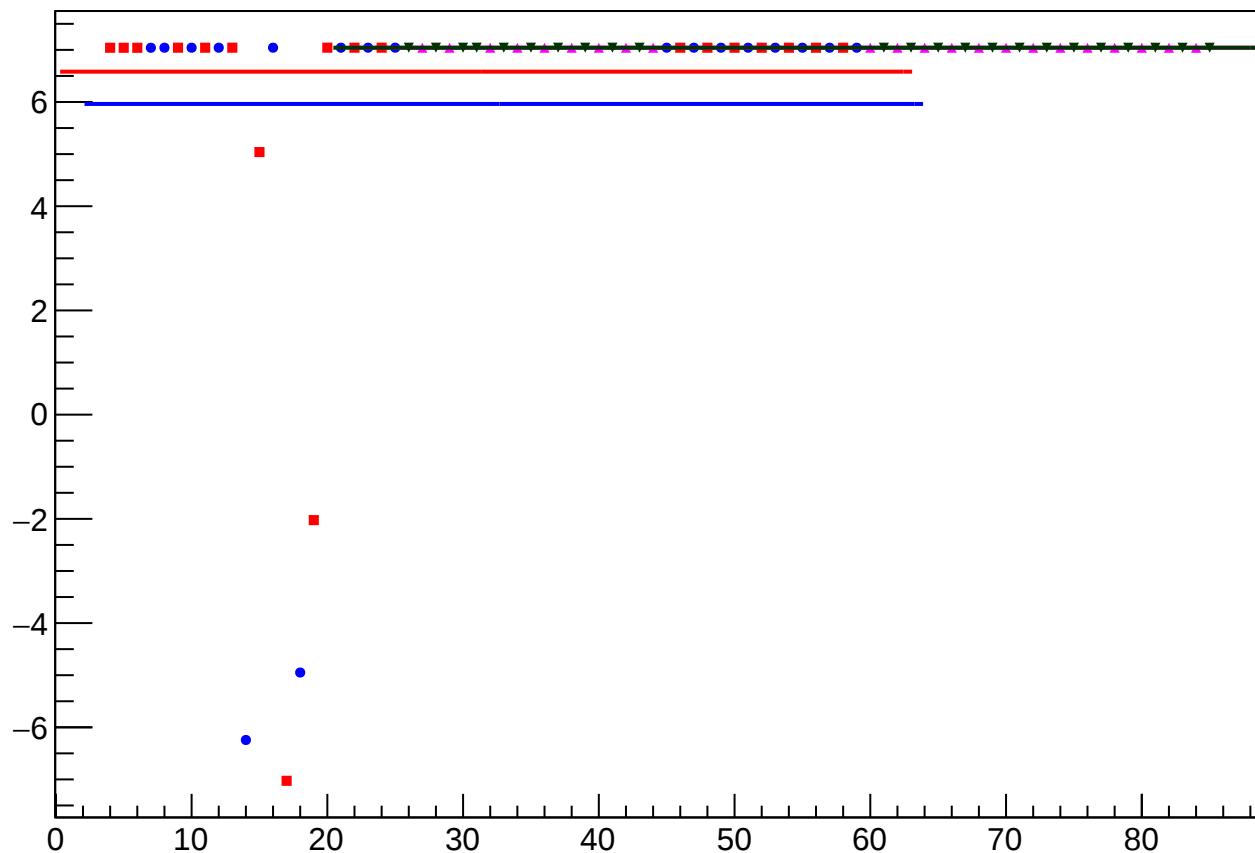
Right Out: 0.004+/-0.000 χ^2/NDF : 2225355.5/18

Left In: 0.004+/-0.000 χ^2/NDF : 3919133.1/21

0.004+/-0.000 χ^2/NDF : 6310598.1/40

0.004+/-0.000 χ^2/NDF : 6310238.5/40

yield_cav4dX_mean vs slug



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

Left Out: 7.042 $\pm$ 0.000 χ^2 /NDF: 45768826.1/22

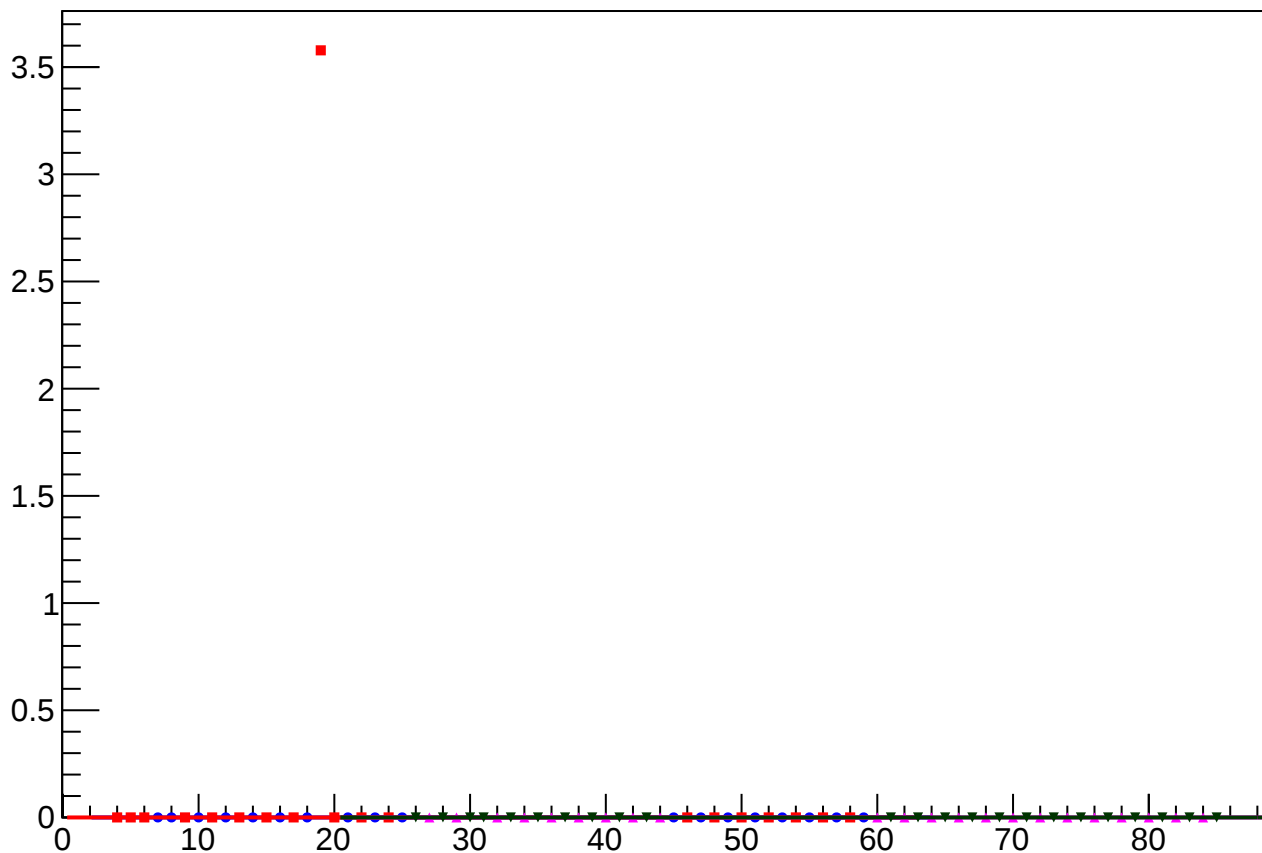
Right Out: 6.582 $\pm$ 0.000 χ^2 /NDF: 1856853993700647.2/18

Left In: 7.042 $\pm$ 0.000 χ^2 /NDF: 38602292.0/21

6.552 $\pm$ 0.000 χ^2 /NDF: 4843322197900441.0/4

6.853 $\pm$ 0.000 χ^2 /NDF: 1895005817765060.2/4

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 : 5462.1/22

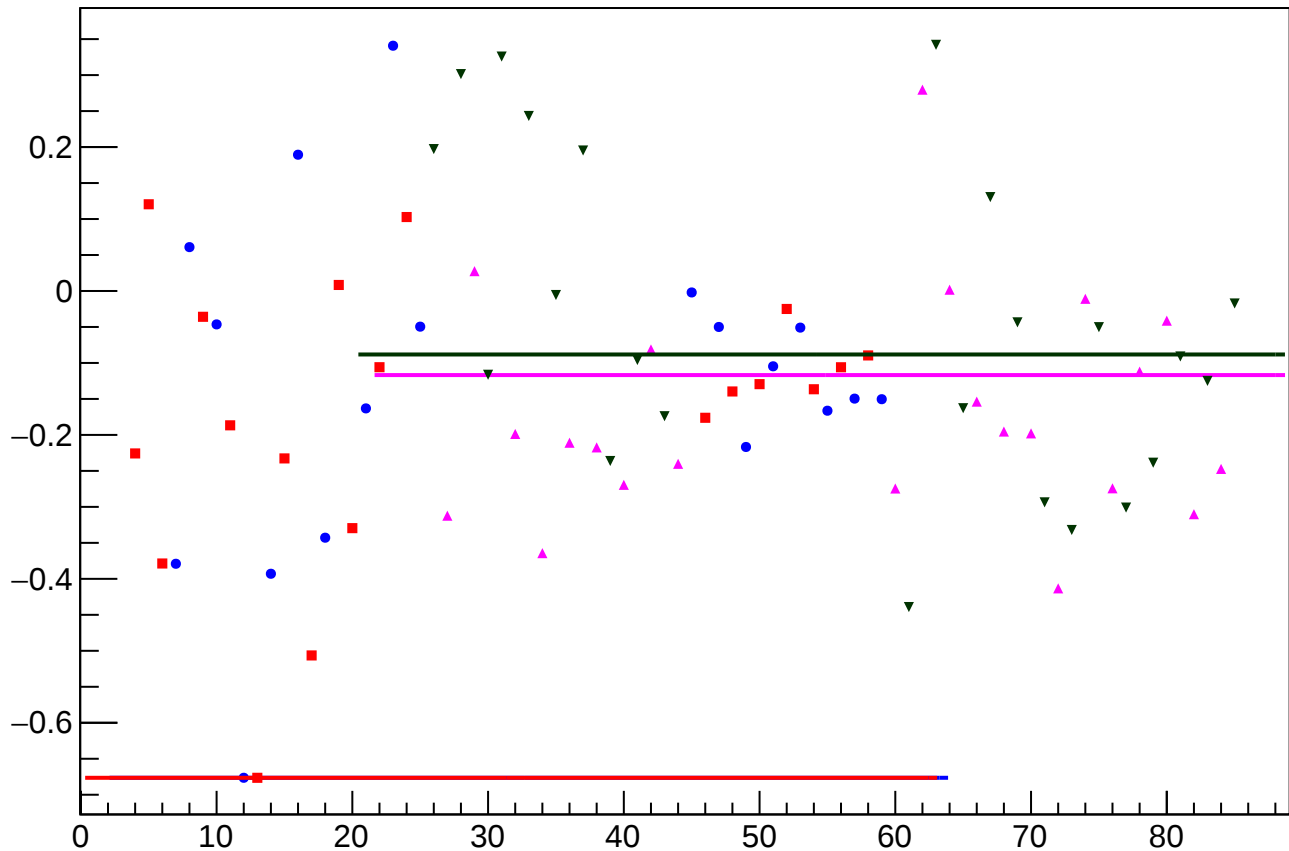
Right Out: 0.000+/-0.000 χ^2/NDF : 697661.6/18

Left In: 0.000+/-0.000 χ^2/NDF : 6240.3/21

0.000+/-0.000 χ^2/NDF : 12577.0/40

0.000+/-0.000 χ^2/NDF : 707935.8/40

yield_cav4dY_mean vs slug



Right In: -0.676+/-0.000 χ^2/NDF : 266364367.2/17

Left Out: -0.088+/-0.000 χ^2/NDF : 36873474.5/22

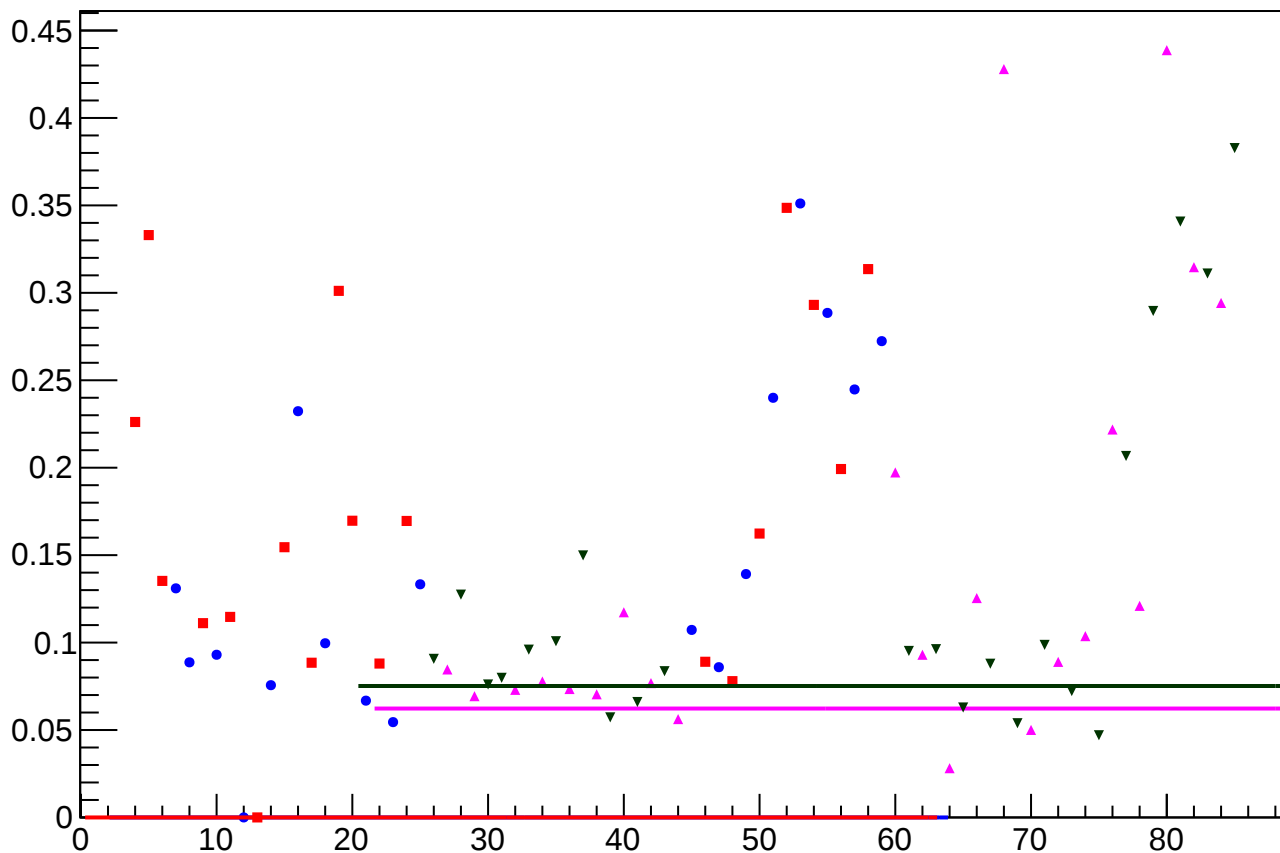
-0.676+/-0.000 χ^2/NDF : 690180276.8/40

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

-0.676+/-0.000 χ^2/NDF : 621619714.8/40

Left In: -0.117+/-0.000 χ^2/NDF : 29817307.9/21

yield_cav4dY_rms vs slug



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

Left Out: 0.075+/-0.000 χ^2/NDF : 3593431.2/22

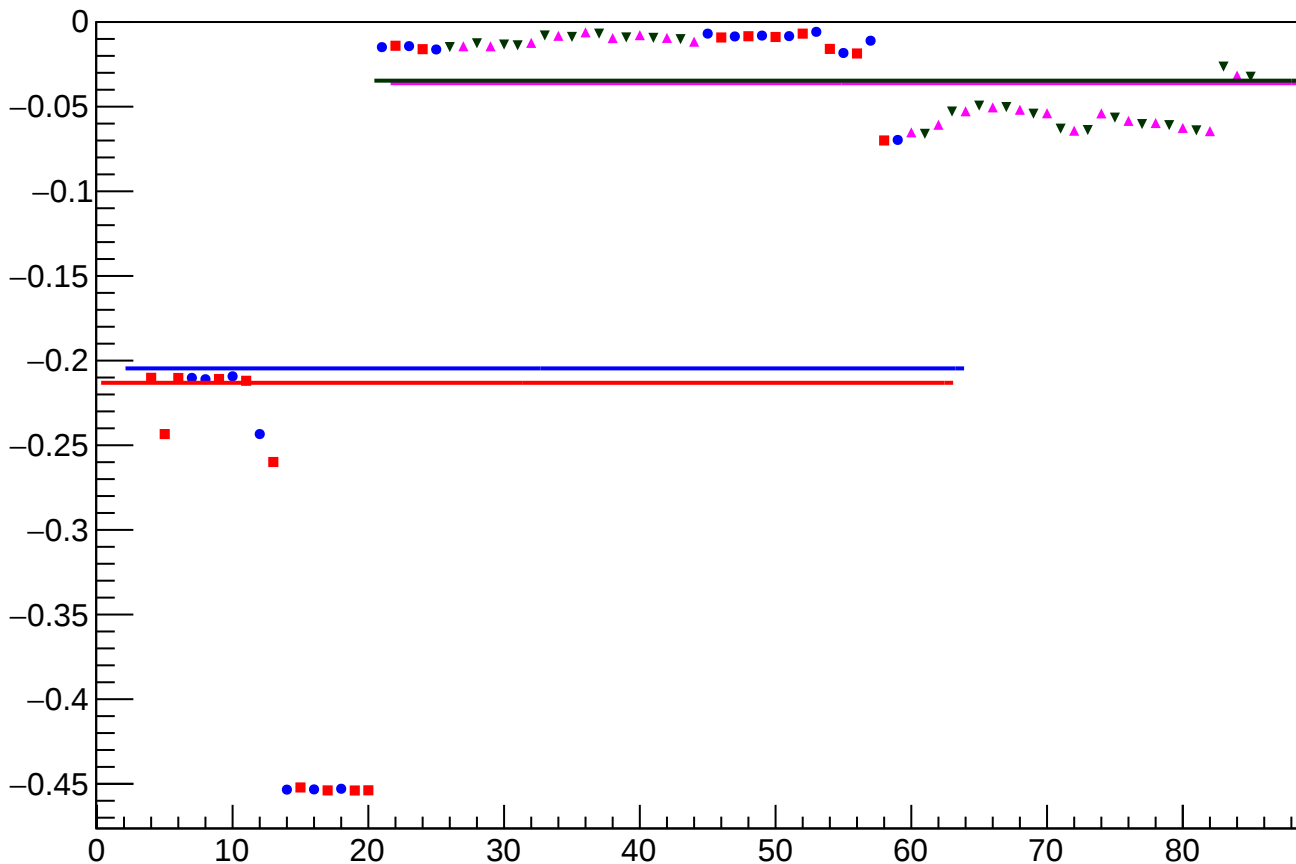
Right Out: 0.000+/-0.000 χ^2/NDF : 13760955.7/18

Left In: 0.062+/-0.000 χ^2/NDF : 5578166.5/21

0.000+/-0.000 χ^2/NDF : 32415687.5/40

0.000+/-0.000 χ^2/NDF : 31466934.7/40

yield_bpm4aX_mean vs slug



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

Left Out: -0.035+/-0.000 χ^2/NDF : 68838376.4/22

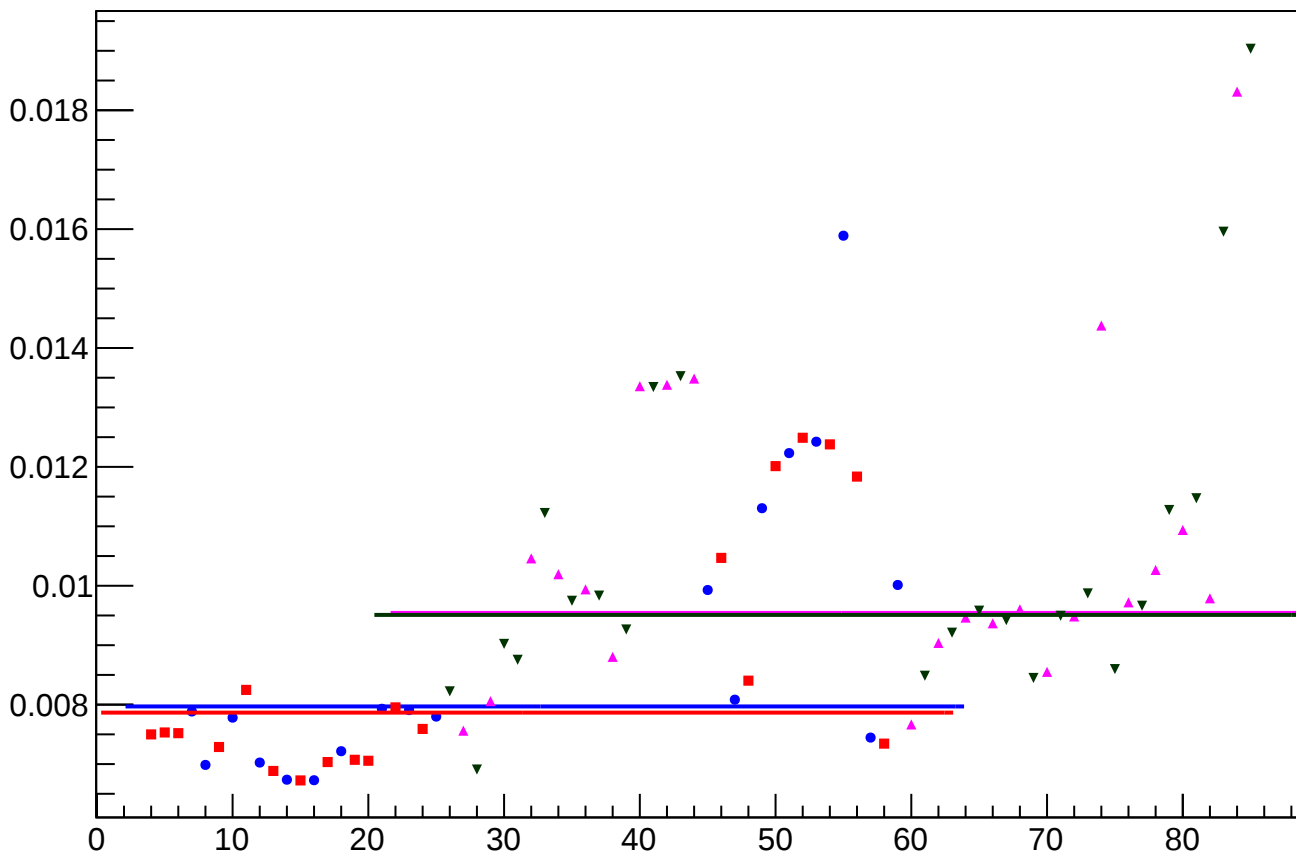
-0.132+/-0.000 χ^2/NDF : 7670182470.6/40

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

-0.133+/-0.000 χ^2/NDF : 6396488631.8/40

Left In: -0.036+/-0.000 χ^2/NDF : 70930748.3/21

yield_bpm4aX_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 943742.9/17

Left Out: 0.010+/-0.000 χ^2/NDF : 936093.3/22

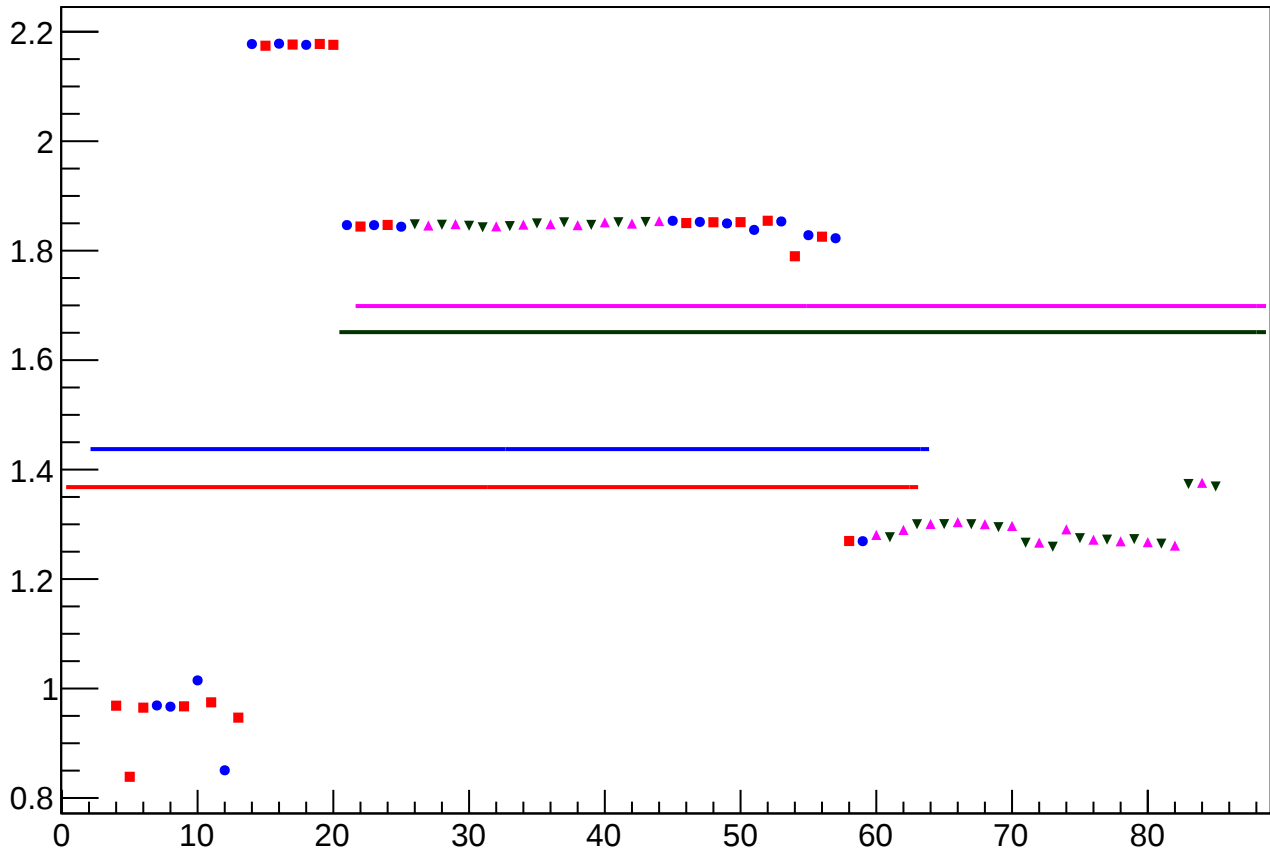
Right Out: 0.008+/-0.000 χ^2/NDF : 696189.4/18

Left In: 0.010+/-0.000 χ^2/NDF : 898297.5/21

0.009+/-0.000 χ^2/NDF : 2218338.6/40

0.009+/-0.000 χ^2/NDF : 1986833.5/40

yield_bpm4aY_mean vs slug



Right In: 1.437+/-0.000 χ^2/NDF : 14236590294.3/17

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

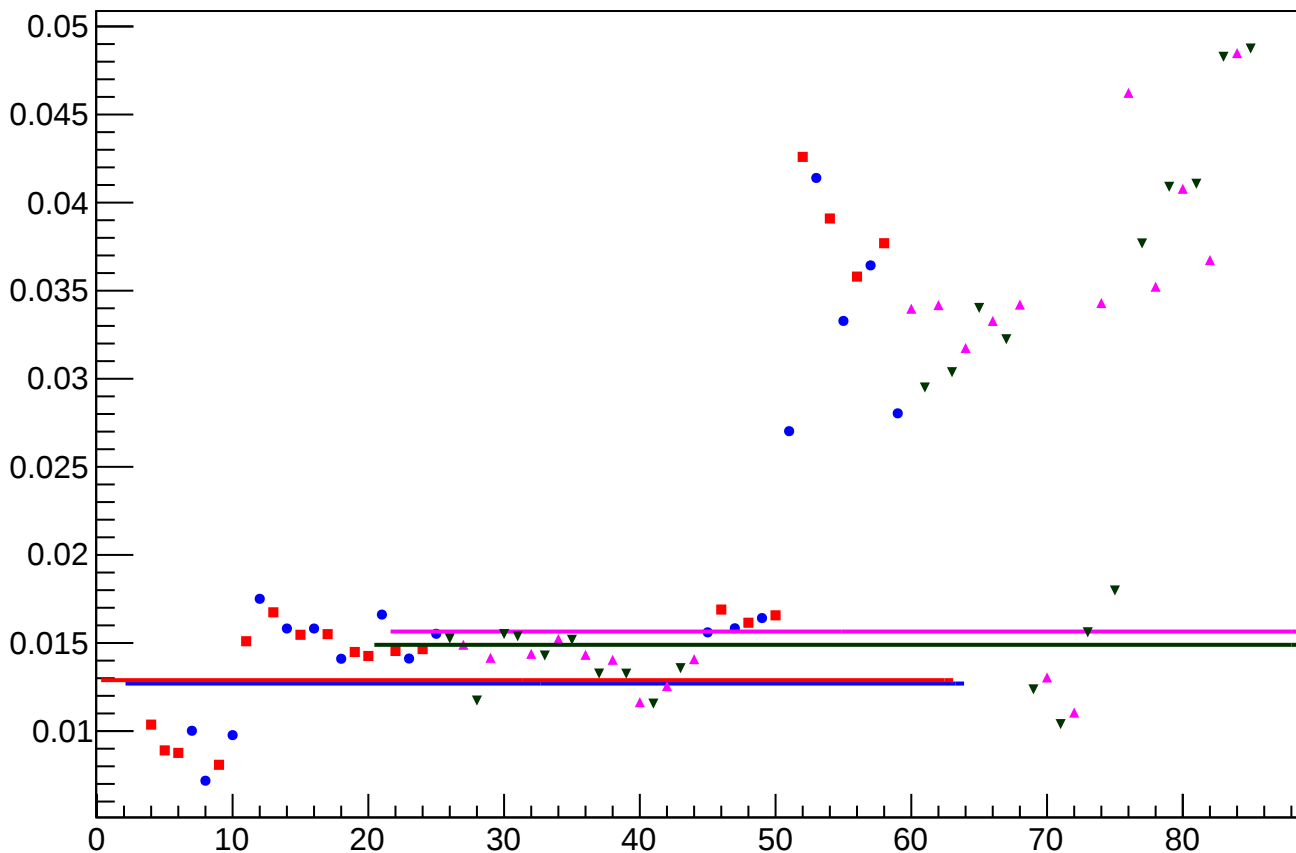
1.531+/-0.000 χ^2/NDF : 18453241358.4/40

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

1.515+/-0.000 χ^2/NDF : 17336475355.6/40

Left In: 1.699+/-0.000 χ^2/NDF : 2397529743.1/21

yield_bpm4aY_rms vs slug



Right In: 0.013+/-0.000 χ^2/NDF : 3534875.5/17

Left Out: 0.015+/-0.000 χ^2/NDF : 3459965.5/22

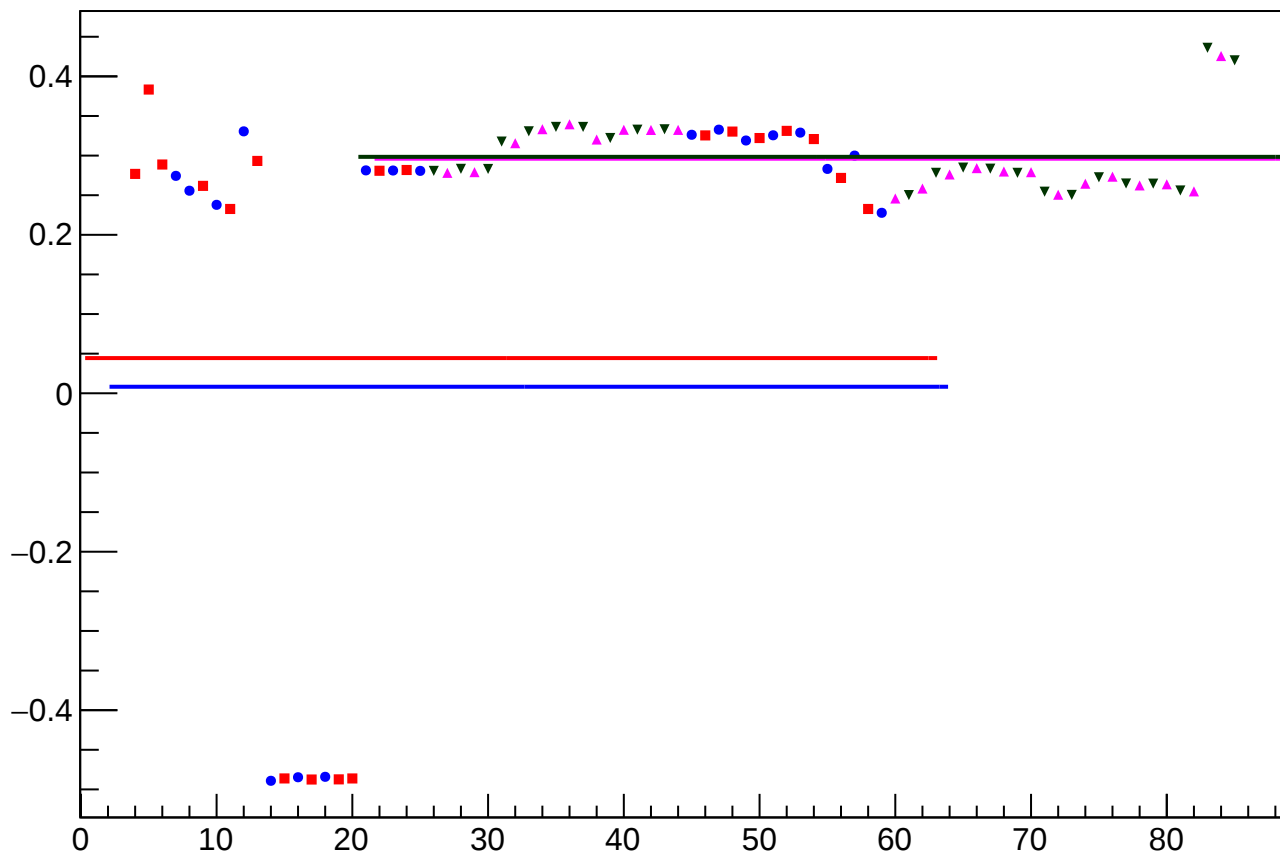
Right Out: 0.013+/-0.000 χ^2/NDF : 2814614.5/18

Left In: 0.016+/-0.000 χ^2/NDF : 3655476.9/21

0.014+/-0.000 χ^2/NDF : 7225358.3/40

0.014+/-0.000 χ^2/NDF : 6796740.0/40

yield_bpm4eX_mean vs slug



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

Left Out: 0.298 ± 0.000 χ^2/NDF : 16276674.7/22

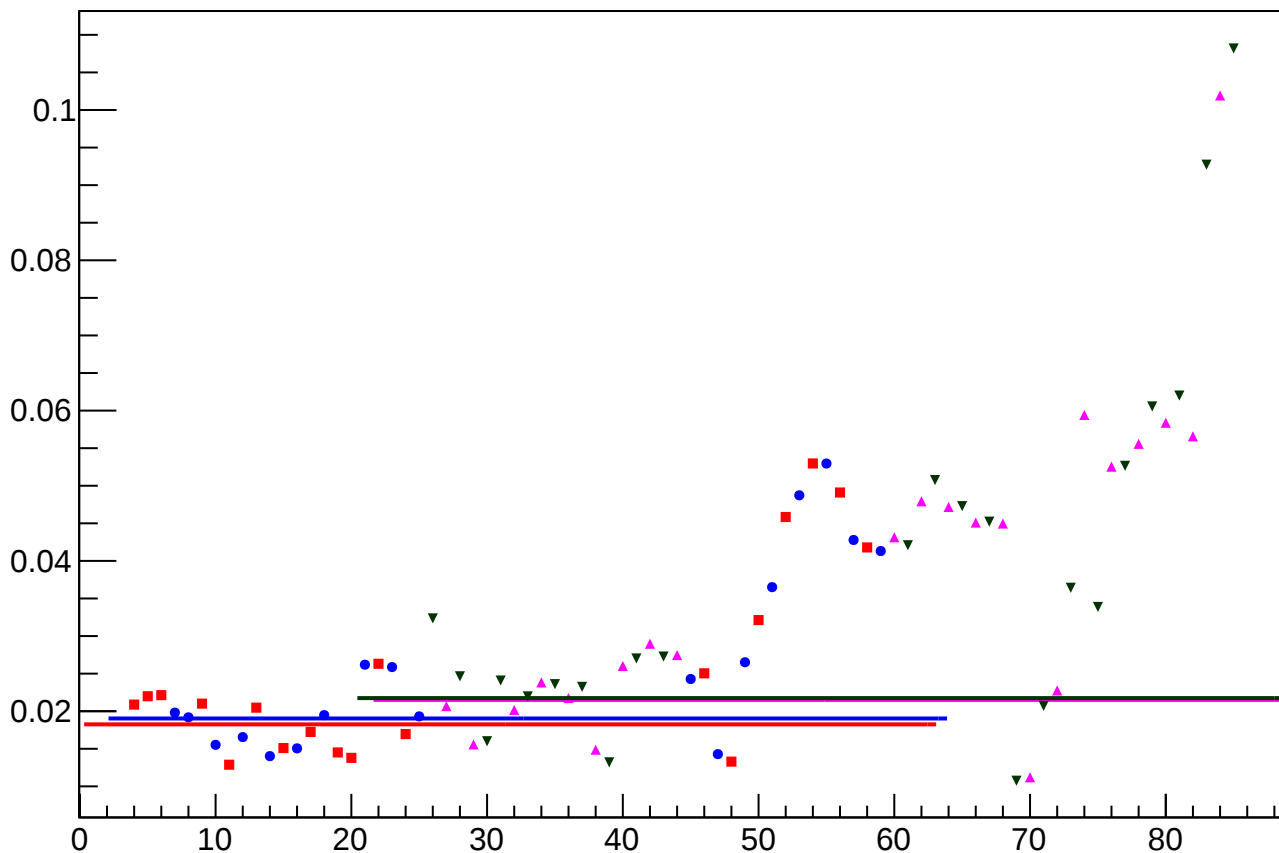
Right Out: 0.044 ± 0.000 χ^2/NDF : 3156873410.8/18

Left In: 0.296 ± 0.000 χ^2/NDF : 14667651.8/21

0.129 ± 0.000 χ^2/NDF : 4509441682.9/40

0.154 ± 0.000 χ^2/NDF : 3861188967.3/40

yield_bpm4eX_rms vs slug



Right In: 0.019+/-0.000 χ^2/NDF : 2594784.8/17

Left Out: 0.022+/-0.000 χ^2/NDF : 5401820.2/22

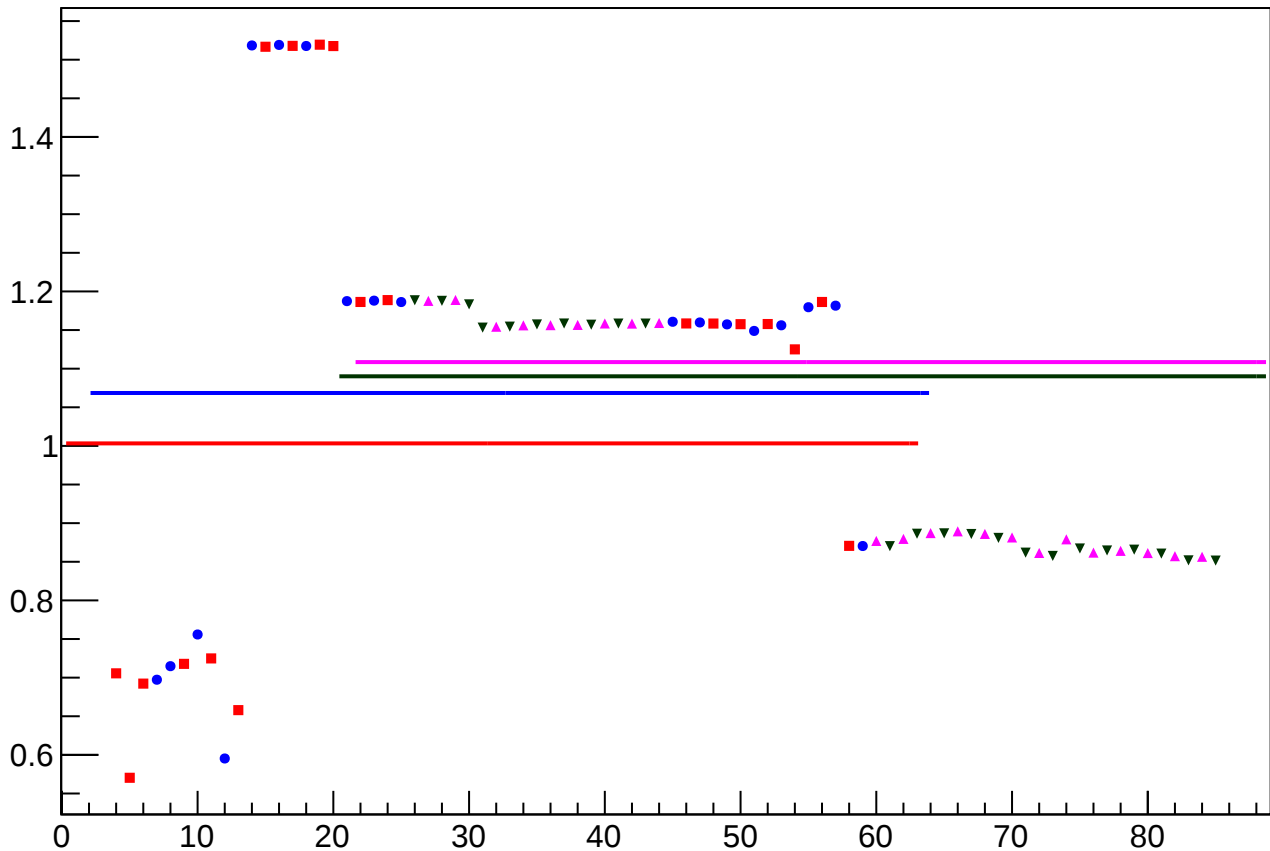
Right Out: 0.018+/-0.000 χ^2/NDF : 2485378.5/18

Left In: 0.021+/-0.000 χ^2/NDF : 5261798.5/21

0.020+/-0.000 χ^2/NDF : 8154570.0/40

0.020+/-0.000 χ^2/NDF : 7977040.2/40

yield_bpm4eY_mean vs slug



Right In: 1.069+/-0.000 χ^2/NDF : 10548206682.3/17

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

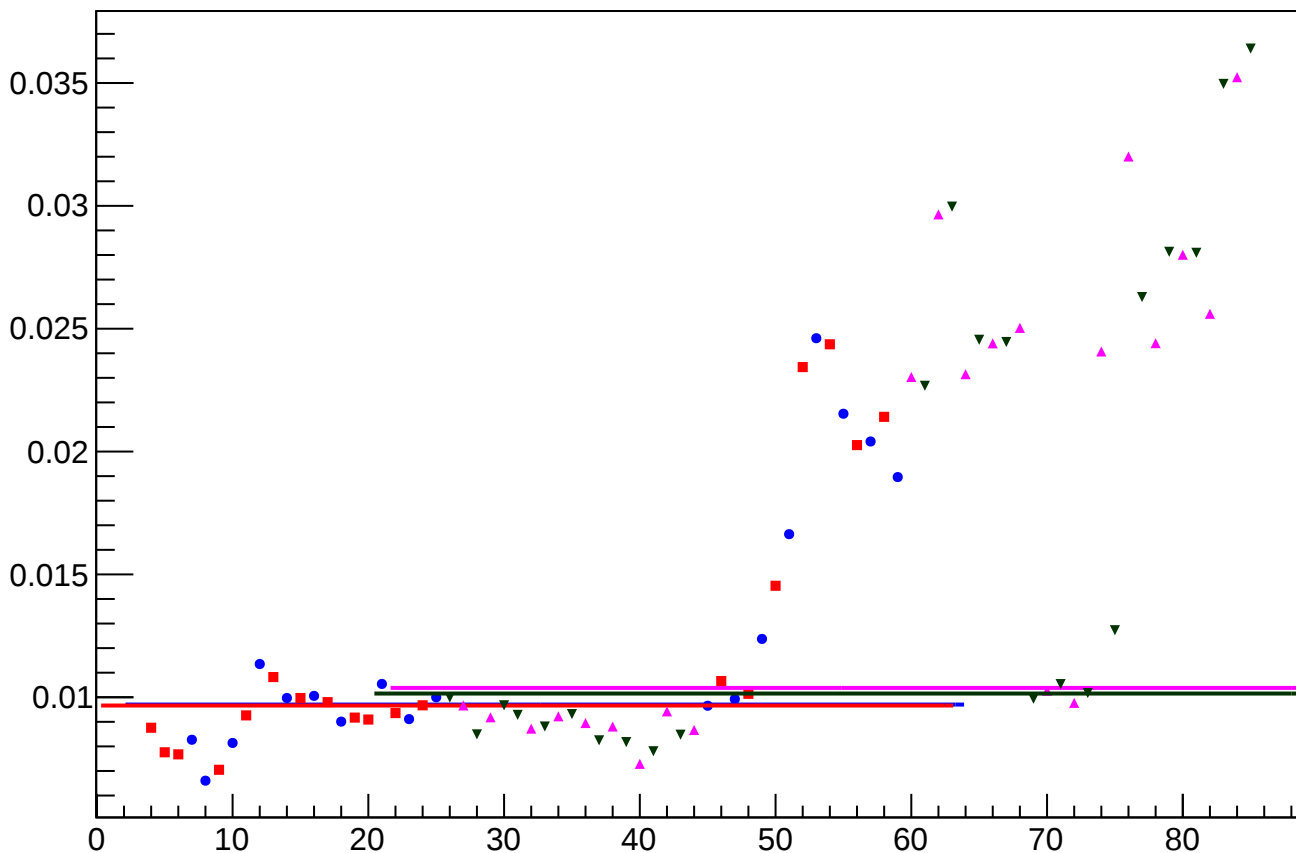
1.079+/-0.000 χ^2/NDF : 12096268871.3/40

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

1.054+/-0.000 χ^2/NDF : 11938998088.7/40

Left In: 1.109+/-0.000 χ^2/NDF :1156769659.7/21

yield_bpm4eY_rms vs slug



Right In: 0.010+/-0.000 χ^2/NDF : 1905622.6/17

Left Out: 0.010+/-0.000 χ^2/NDF : 3699784.9/22

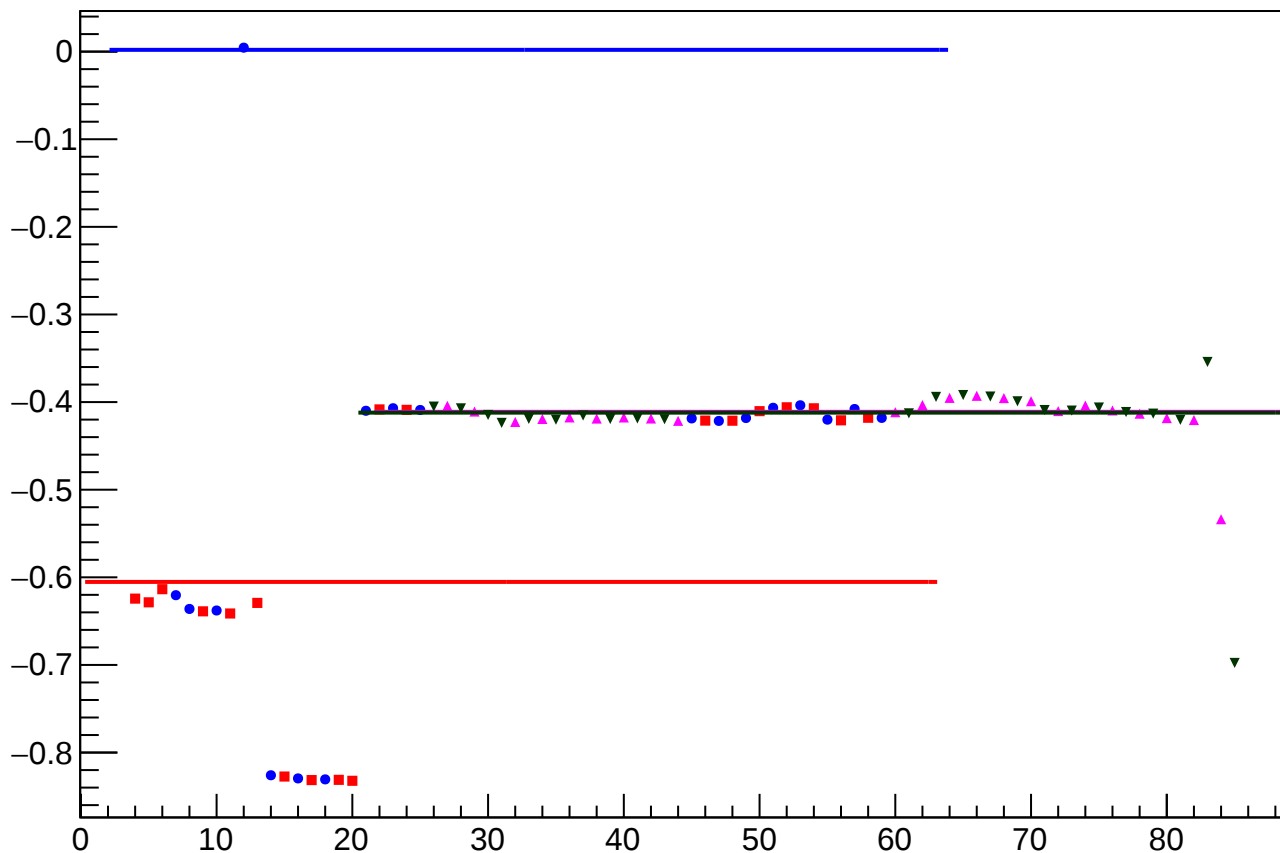
Right Out: 0.010+/-0.000 χ^2/NDF : 1597012.3/18

Left In: 0.010+/-0.000 χ^2/NDF : 3992954.5/21

0.010+/-0.000 χ^2/NDF : 5624684.4/40

0.010+/-0.000 χ^2/NDF : 5635596.8/40

yield_bpm4acX_mean vs slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 59749781854.5/17

Left Out: -0.412 $\pm$ 0.000 χ^2 /NDF: 138889625.3/22

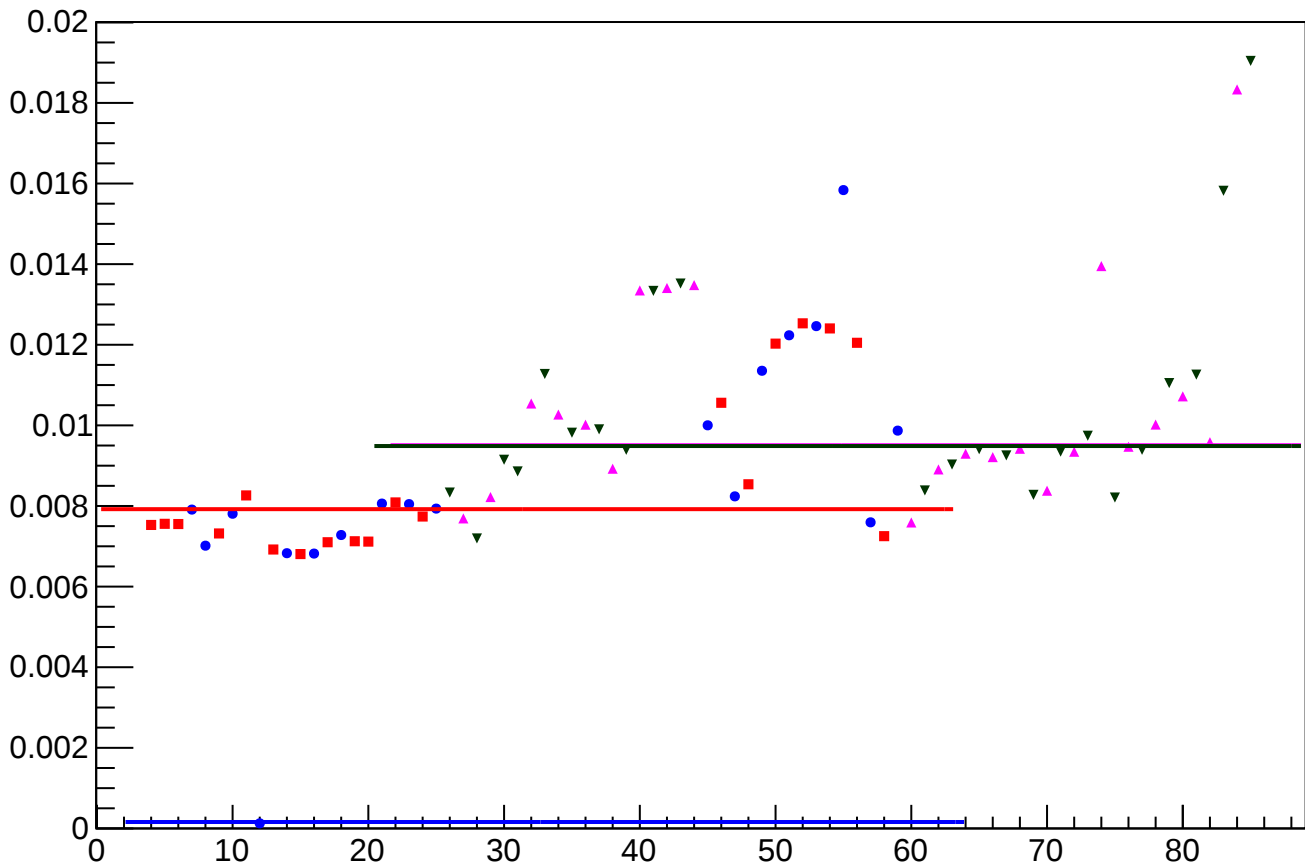
Right Out: -0.605 $\pm$ 0.000 χ^2 /NDF: 3819629229.5/18

Left In: -0.411 $\pm$ 0.000 χ^2 /NDF: 34449338.0/21

0.001 $\pm$ 0.000 χ^2 /NDF: 81331317019.6/40

-0.516 $\pm$ 0.000 χ^2 /NDF: 6476957336.6/40

yield_bpm4acX_rms vs slug



Right In: 0.000+/-0.000 χ^2 /NDF: 20262517.7/17

Left Out: 0.009+/-0.000 χ^2 /NDF:890101.3/22

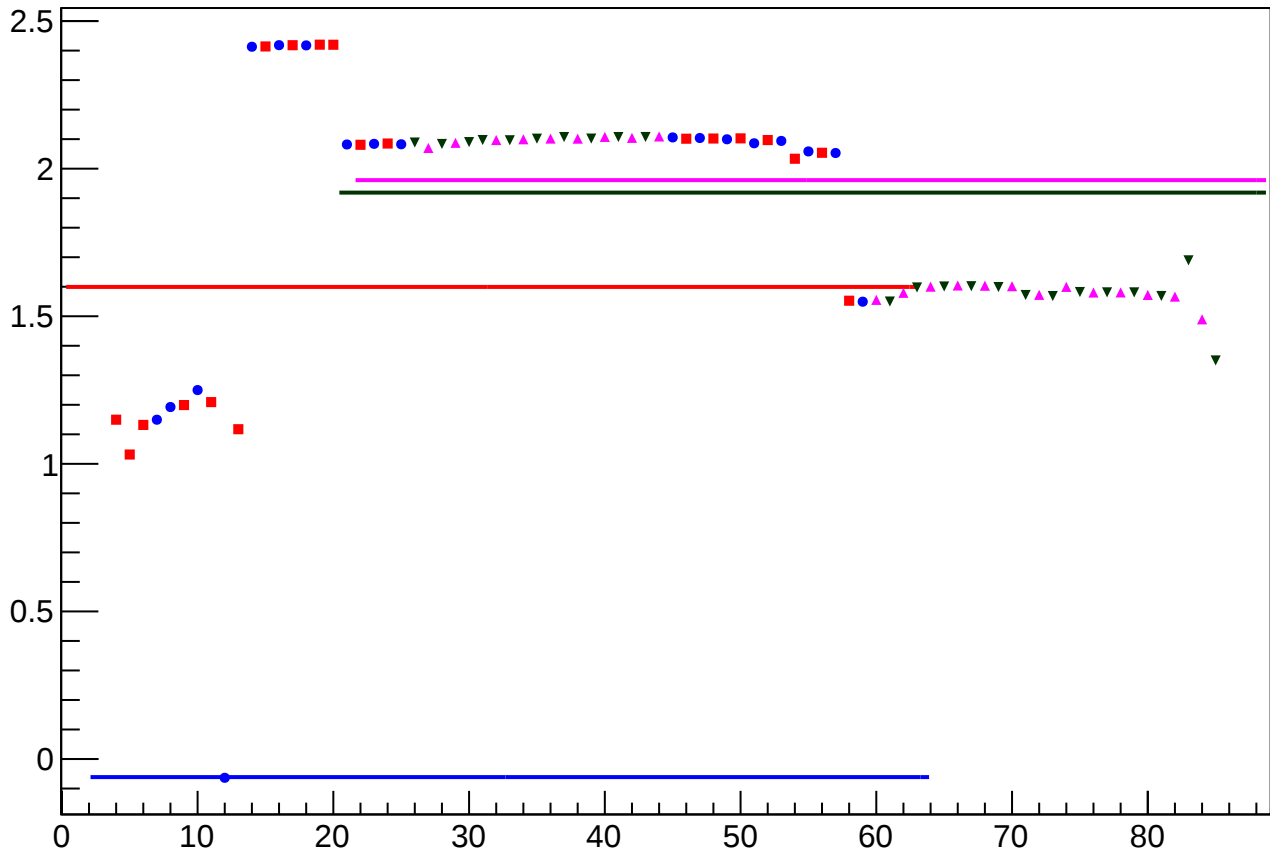
0.000+/-0.000 χ^2 /NDF: 42914555.7/40

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

0.009+/-0.000 χ^2 /NDF: 1914313.7/40

Left In: 0.010+/-0.000 χ^2 /NDF:866123.2/21

yield_bpm4acY_mean vs slug



Right In: -0.061+/-0.000 χ^2/NDF : 171003968524.2/17

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

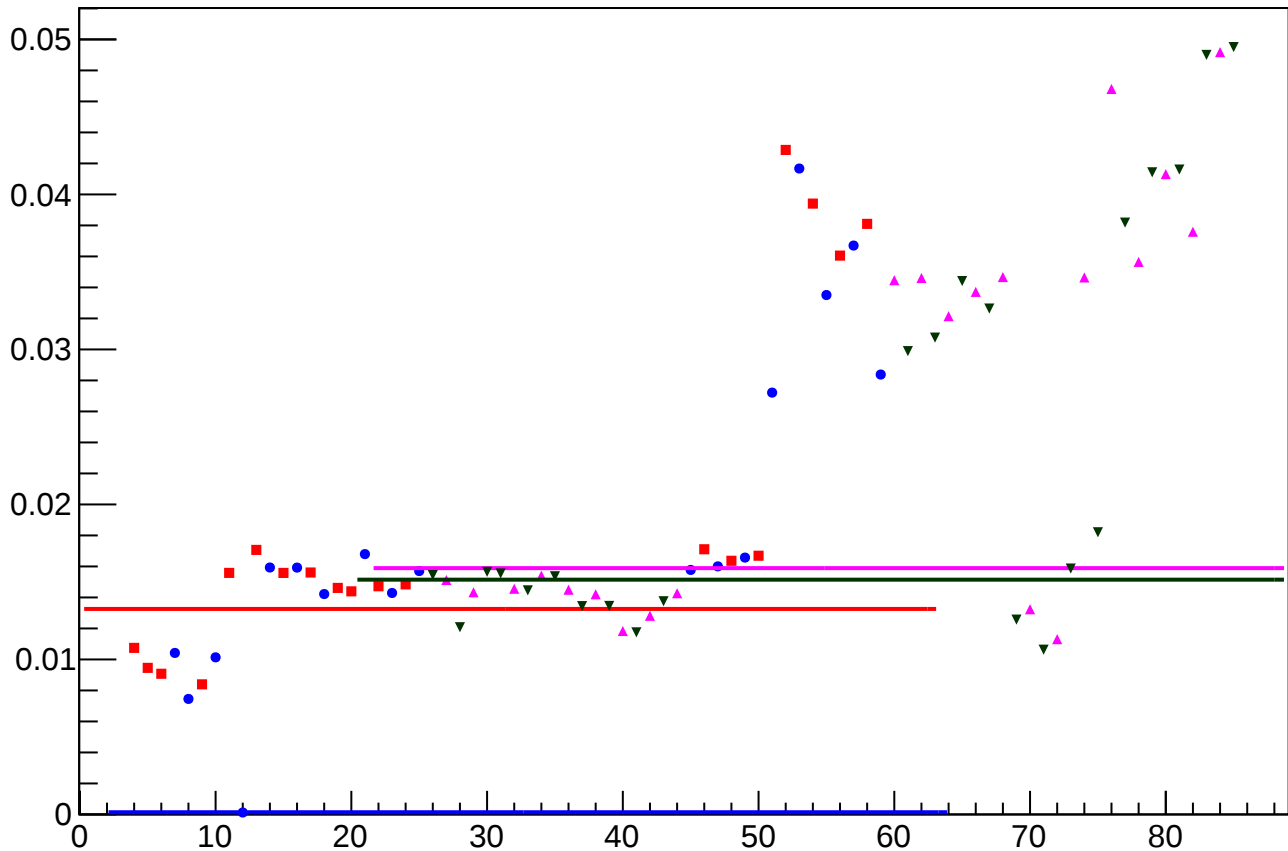
-0.059+/-0.000 χ^2/NDF : 334346441460.7/40

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

1.762+/-0.000 χ^2/NDF : 17712159355.9/40

Left In: 1.961+/-0.000 χ^2/NDF : 1918488346.3/21

yield_bpm4acY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 19632783.5/17

Left Out: 0.015+/-0.000 χ^2/NDF : 3431978.8/22

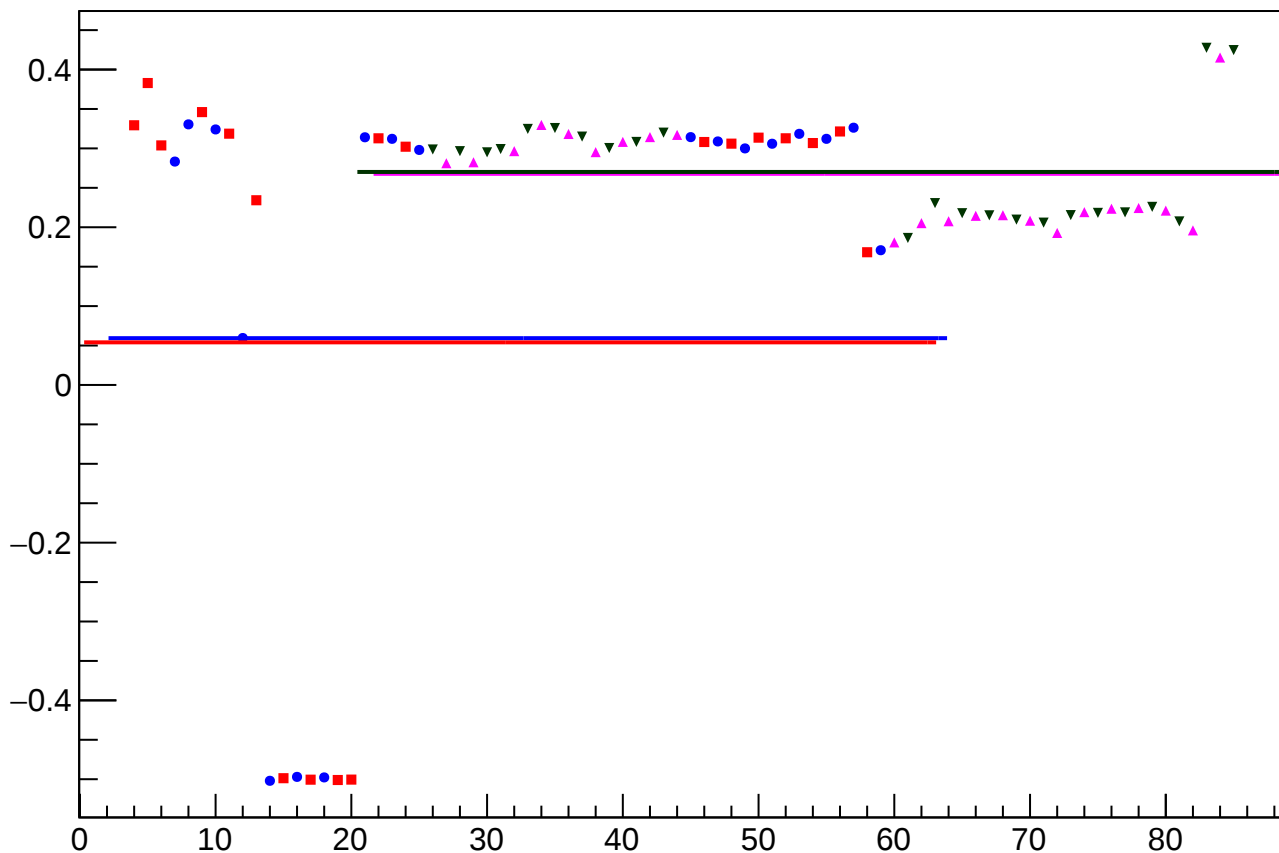
Right Out: 0.013+/-0.000 χ^2/NDF : 2690130.8/18

Left In: 0.016+/-0.000 χ^2/NDF : 3641351.9/21

0.000+/-0.000 χ^2/NDF : 41531922.4/40

0.014+/-0.000 χ^2/NDF : 6617093.3/40

yield_bpm4ecX_mean vs slug



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

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

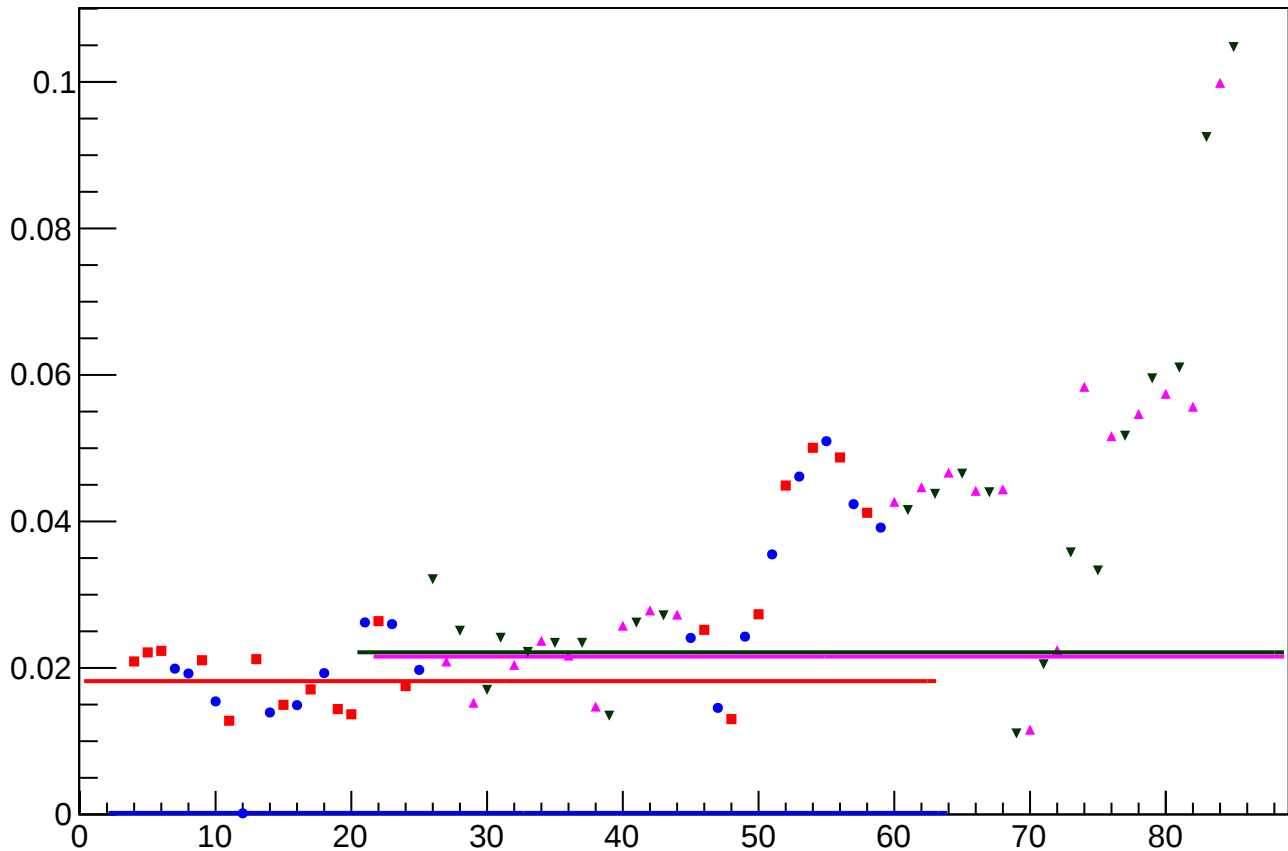
0.060 ± 0.000 χ^2/NDF : 4735978524.3/40

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

0.147 ± 0.000 χ^2/NDF : 4051558335.9/40

Left In: 0.268 ± 0.000 χ^2/NDF : 40028460.8/21

yield_bpm4ecX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 19749394.2/17

Left Out: 0.022+/-0.000 χ^2/NDF : 5052819.6/22

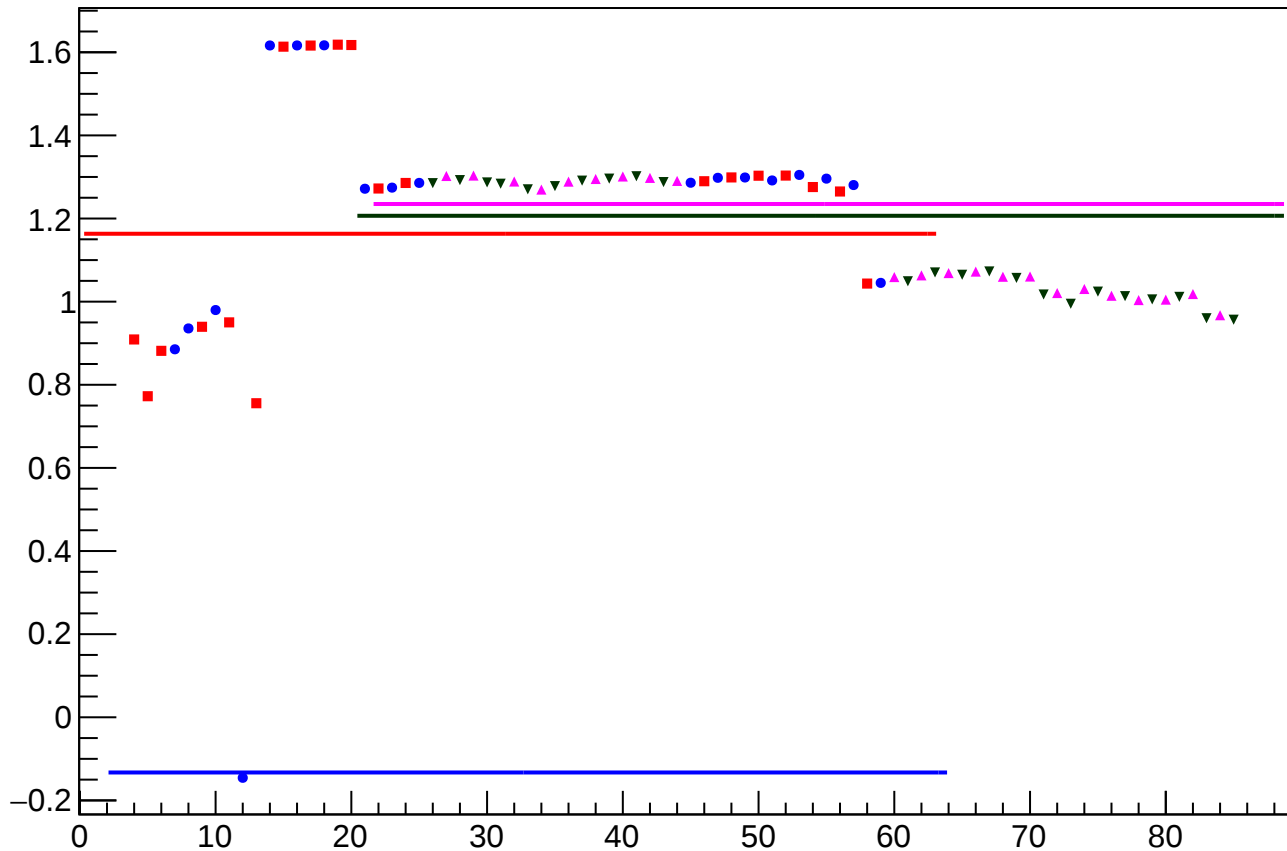
Right Out: 0.018+/-0.000 χ^2/NDF : 2422437.2/18

Left In: 0.022+/-0.000 χ^2/NDF : 5090178.2/21

0.000+/-0.000 χ^2/NDF : 42197151.2/40

0.020+/-0.000 χ^2/NDF : 7758868.1/40

yield_bpm4ecY_mean vs slug



Right In: -0.133 ± 0.000 χ^2/NDF : 169320914657.8/17

Left Out: 1.207 ± 0.000 χ^2/NDF : 1107377735.7/22

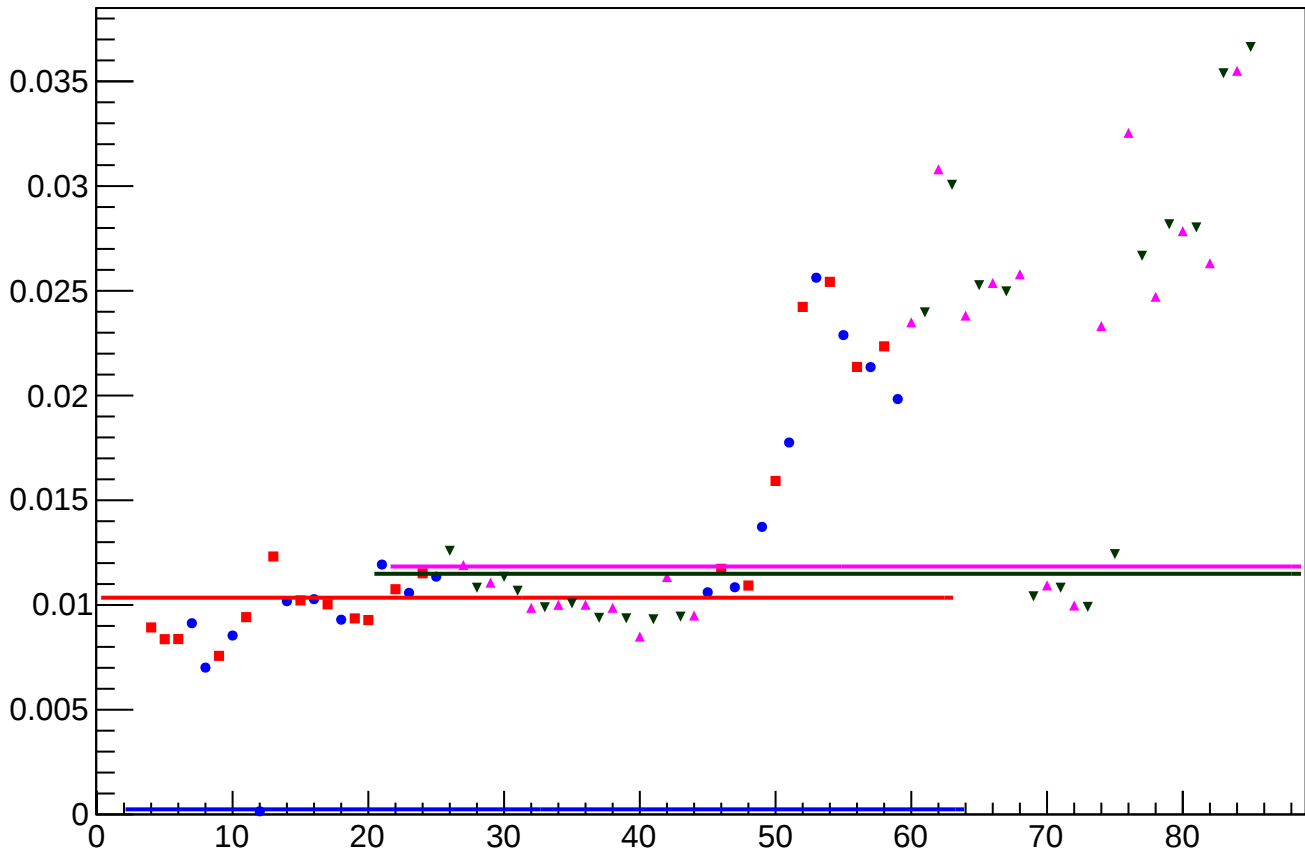
-0.122 ± 0.000 χ^2/NDF : 299541123874.7/40

Right Out: 1.163 ± 0.000 χ^2/NDF : 7253036603.9/18

1.196 ± 0.000 χ^2/NDF : 8230509676.8/40

Left In: 1.235 ± 0.000 χ^2/NDF : 789948971.5/21

yield_bpm4ecY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 19204976.4/17

Left Out: 0.011+/-0.000 χ^2/NDF : 3211405.1/22

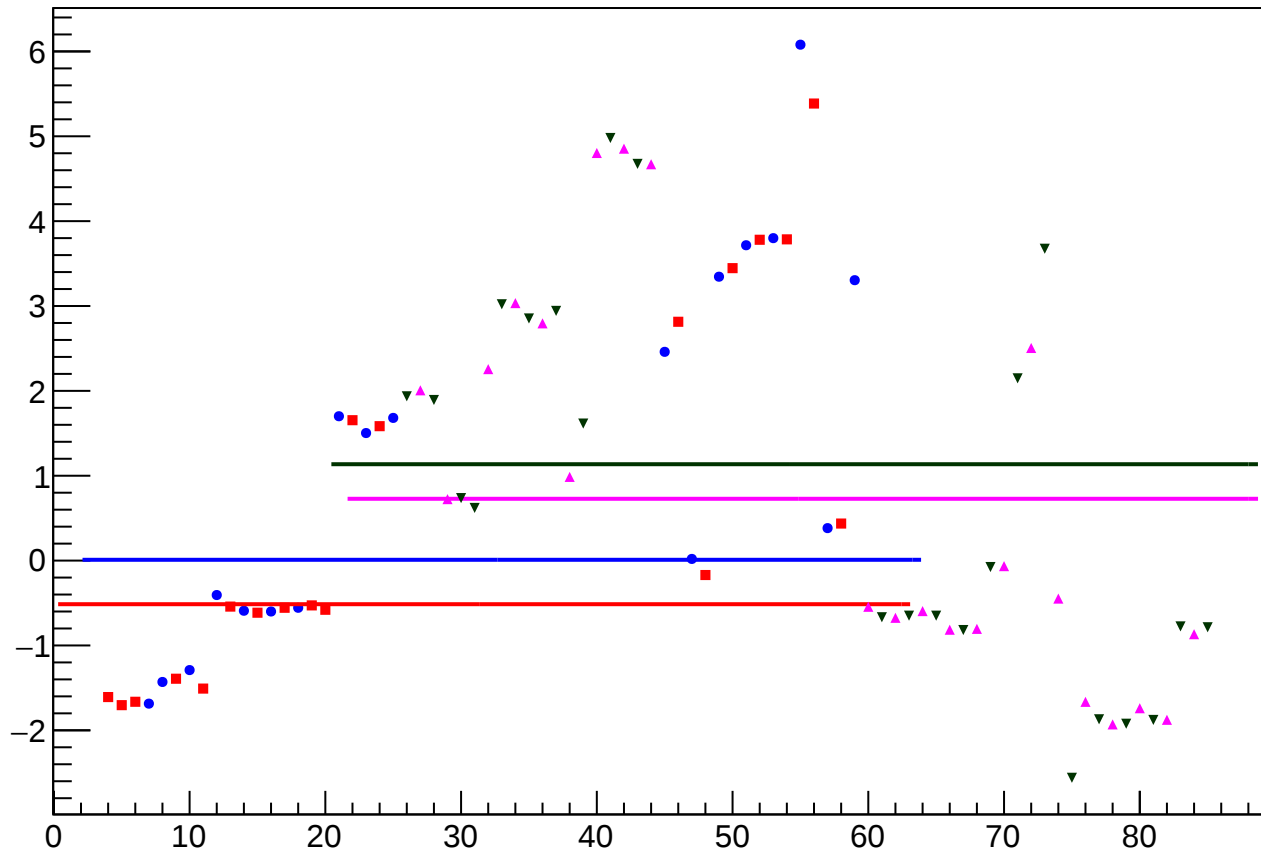
Right Out: 0.010+/-0.000 χ^2/NDF : 1619353.0/18

Left In: 0.012+/-0.000 χ^2/NDF : 3506510.3/21

0.000+/-0.000 χ^2/NDF : 40621314.6/40

0.011+/-0.000 χ^2/NDF : 5288342.6/40

yield_bpm1X_mean vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 18135045883.2/17

Left Out: 1.136+/-0.000 χ^2/NDF : 3654120359.9/22

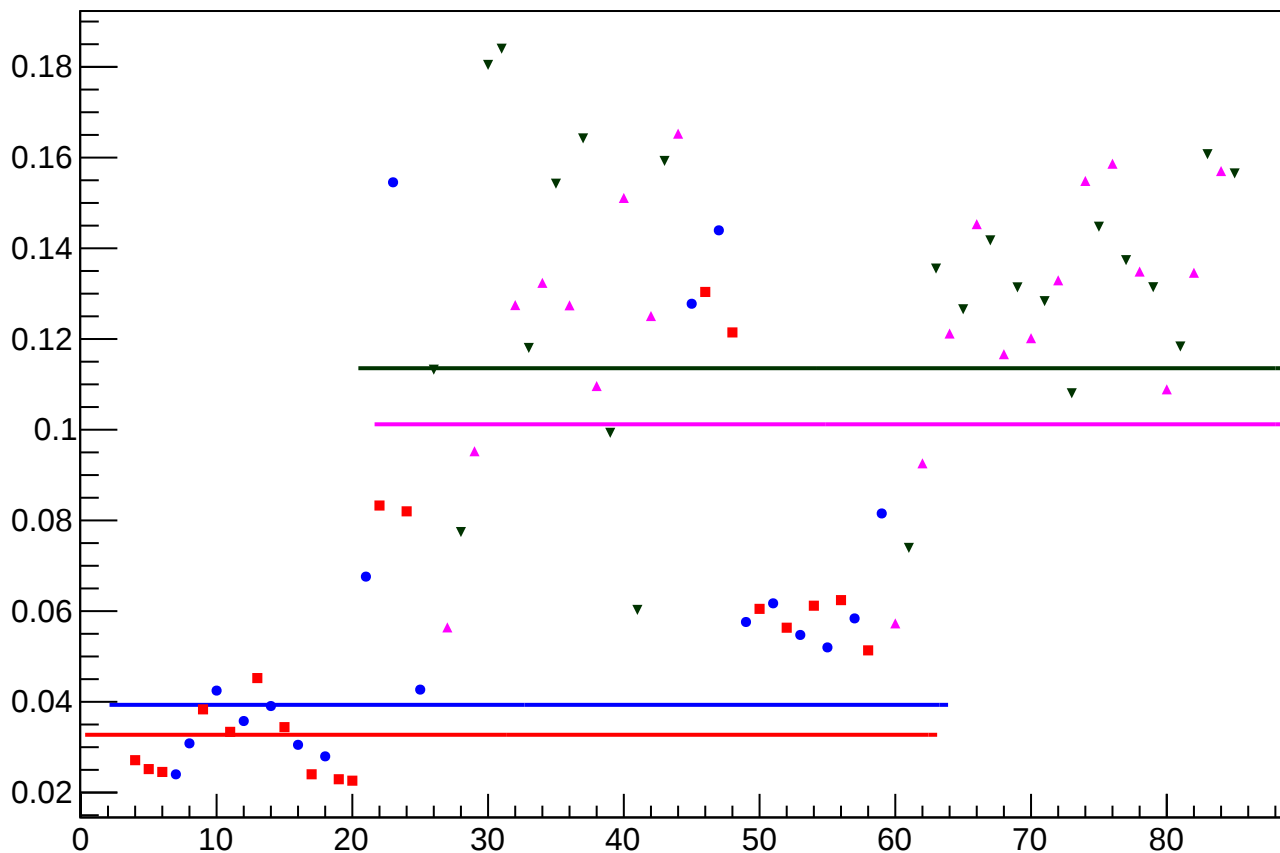
0.153+/-0.000 χ^2/NDF : 22559270684.8/40

Right Out: -0.514+/-0.000 χ^2/NDF : 14474436949.2/18

-0.358+/-0.000 χ^2/NDF : 18643388692.2/40

Left In: 0.728+/-0.000 χ^2/NDF : 2985500427.9/21

yield_bpm1X_rms vs slug



Right In: 0.039+/-0.000 χ^2/NDF : 3078164.7/17

Left Out: 0.114+/-0.000 χ^2/NDF : 1690916.7/22

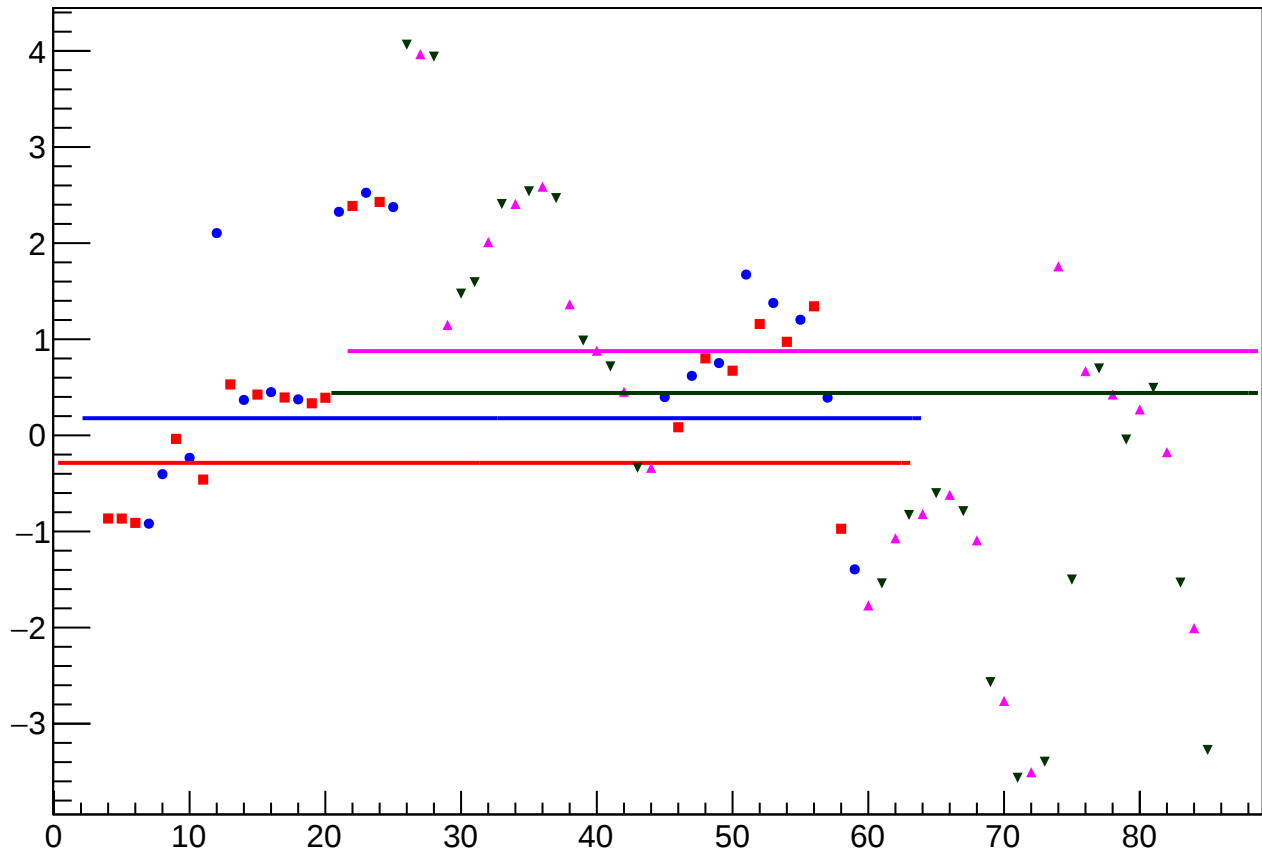
Right Out: 0.033+/-0.000 χ^2/NDF : 2838022.5/18

Left In: 0.101+/-0.000 χ^2/NDF : 2315270.6/21

0.049+/-0.000 χ^2/NDF : 11458606.3/40

0.041+/-0.000 χ^2/NDF : 12341806.2/40

yield_bpm1Y_mean vs slug



Right In: 0.178 ± 0.000 $\chi^2/\text{NDF}: 9482704623.3/17$

Left Out: 0.441 ± 0.000 $\chi^2/\text{NDF}: 7160922610.1/22$

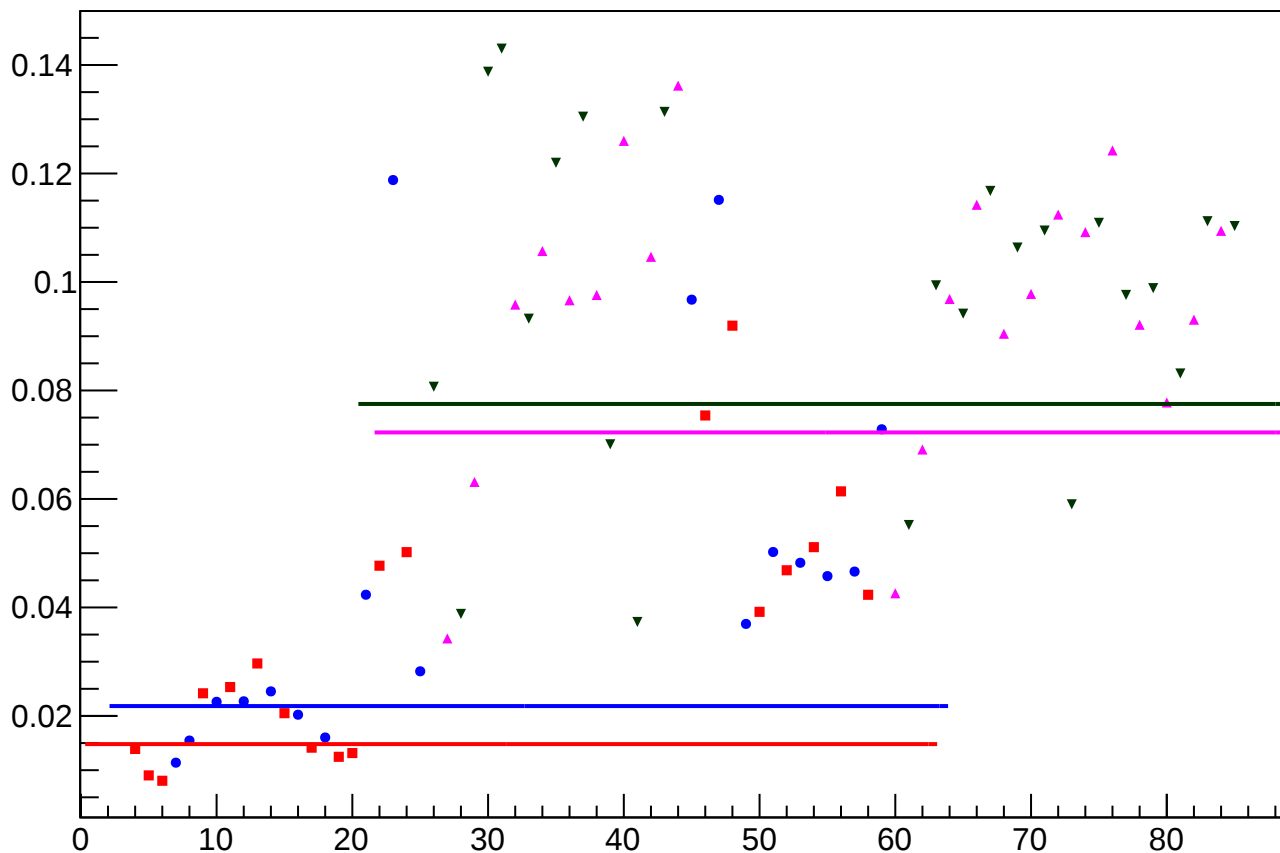
0.204 ± 0.000 $\chi^2/\text{NDF}: 16725941484.7/40$

Right Out: -0.286 ± 0.000 $\chi^2/\text{NDF}: 10734675455.5/18$

-0.208 ± 0.000 $\chi^2/\text{NDF}: 20744618283.9/40$

Left In: 0.876 ± 0.000 $\chi^2/\text{NDF}: 8016696131.8/21$

yield_bpm1Y_rms vs slug



Right In: 0.022+/-0.000 χ^2/NDF : 4669284.8/17

Left Out: 0.078+/-0.000 χ^2/NDF : 2770589.6/22

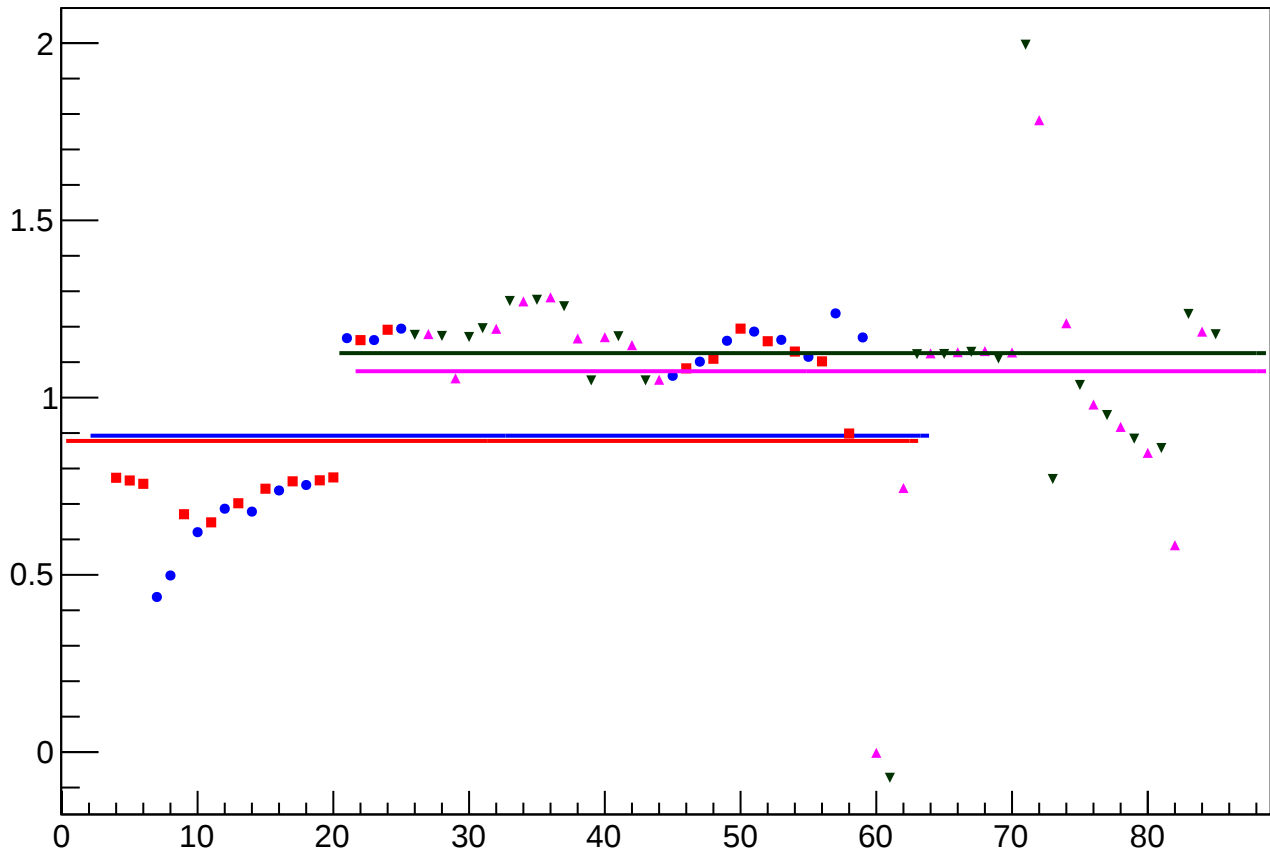
Right Out: 0.015+/-0.000 χ^2/NDF : 4938559.5/18

Left In: 0.072+/-0.000 χ^2/NDF : 3139750.7/21

0.027+/-0.000 χ^2/NDF : 14843709.6/40

0.019+/-0.000 χ^2/NDF : 17814845.8/40

yield_bpm11X_mean vs slug



Right In: 0.893 $\pm$ 0.000 χ^2 /NDF: 1629156385.0/17

Left Out: 1.125 $\pm$ 0.000 χ^2 /NDF: 2137859100.3/22

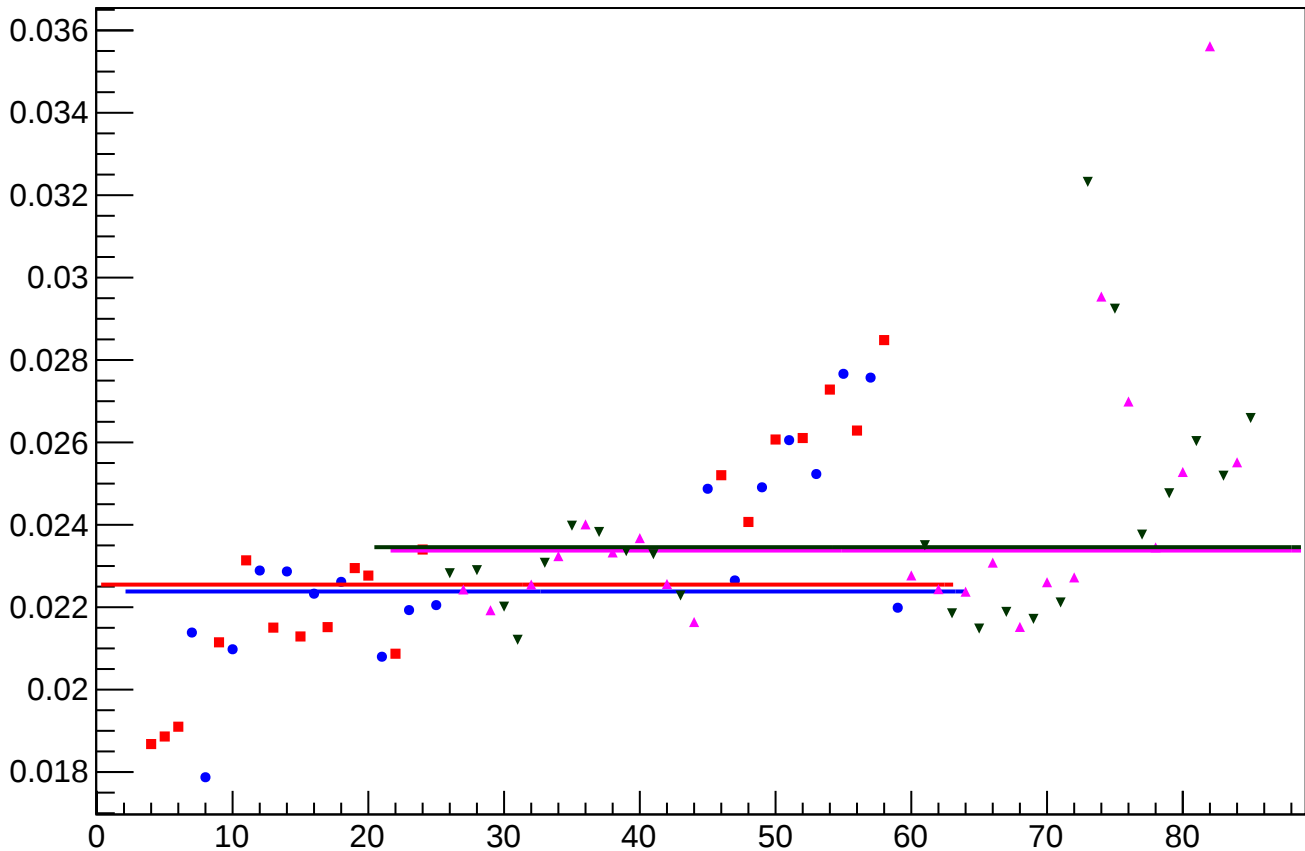
Right Out: 0.878 $\pm$ 0.000 χ^2 /NDF: 761495098.5/18

Left In: 1.074 $\pm$ 0.000 χ^2 /NDF: 1928777944.3/21

1.007 $\pm$ 0.000 χ^2 /NDF: 4340672913.3/40

0.983 $\pm$ 0.000 χ^2 /NDF: 3075417526.0/40

yield_bpm11X_rms vs slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 264611.3/17

Left Out: 0.023 $\pm$ 0.000 χ^2 /NDF:189710.8/22

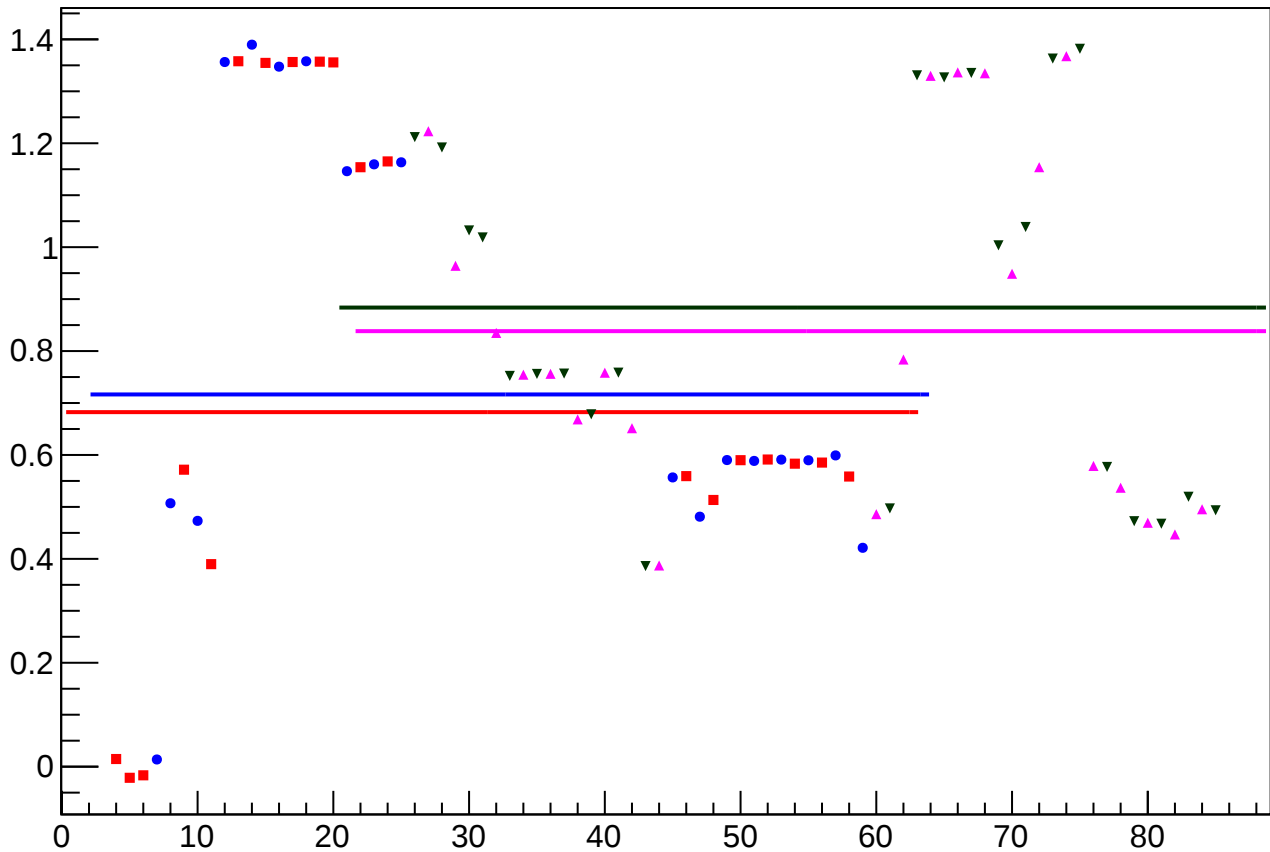
Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 246194.4/18

Left In: 0.023 $\pm$ 0.000 χ^2 /NDF:208553.7/21

0.023 $\pm$ 0.000 χ^2 /NDF: 478769.7/40

0.023 $\pm$ 0.000 χ^2 /NDF: 468349.2/40

yield_bpm11Y_mean vs slug



Right In: 0.716+/-0.000 χ^2/NDF : 131330740430.7/17

Left Out: 0.884+/-0.000 χ^2/NDF : 116144198601.1/22

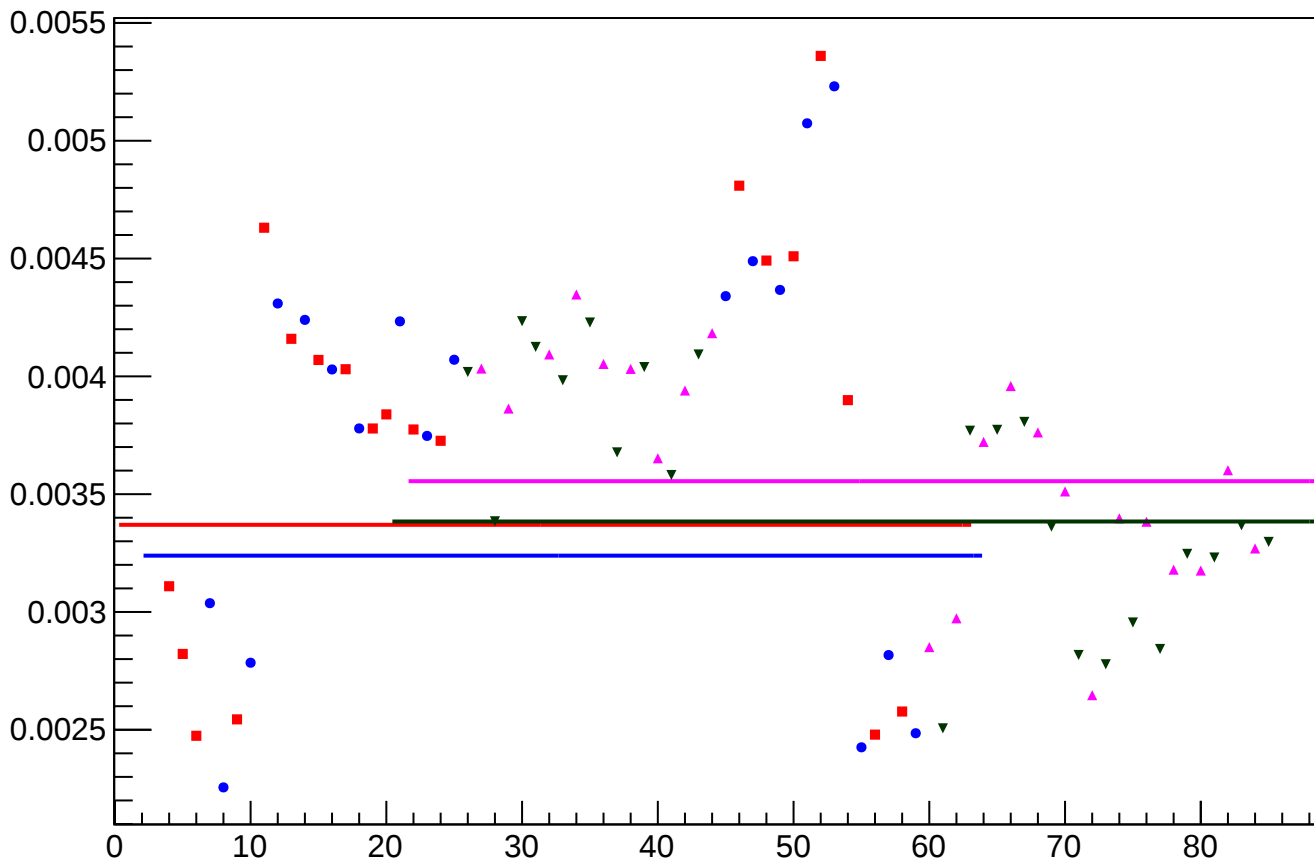
0.801+/-0.000 χ^2/NDF : 261007810066.1/40

Right Out: 0.682+/-0.000 χ^2/NDF : 168328456976.2/18

0.766+/-0.000 χ^2/NDF : 270842089659.2/40

Left In: 0.838+/-0.000 χ^2/NDF : 92234650361.1/21

yield_bpm11Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 1552802.4/17

Left Out: 0.003+/-0.000 χ^2/NDF : 494744.6/22

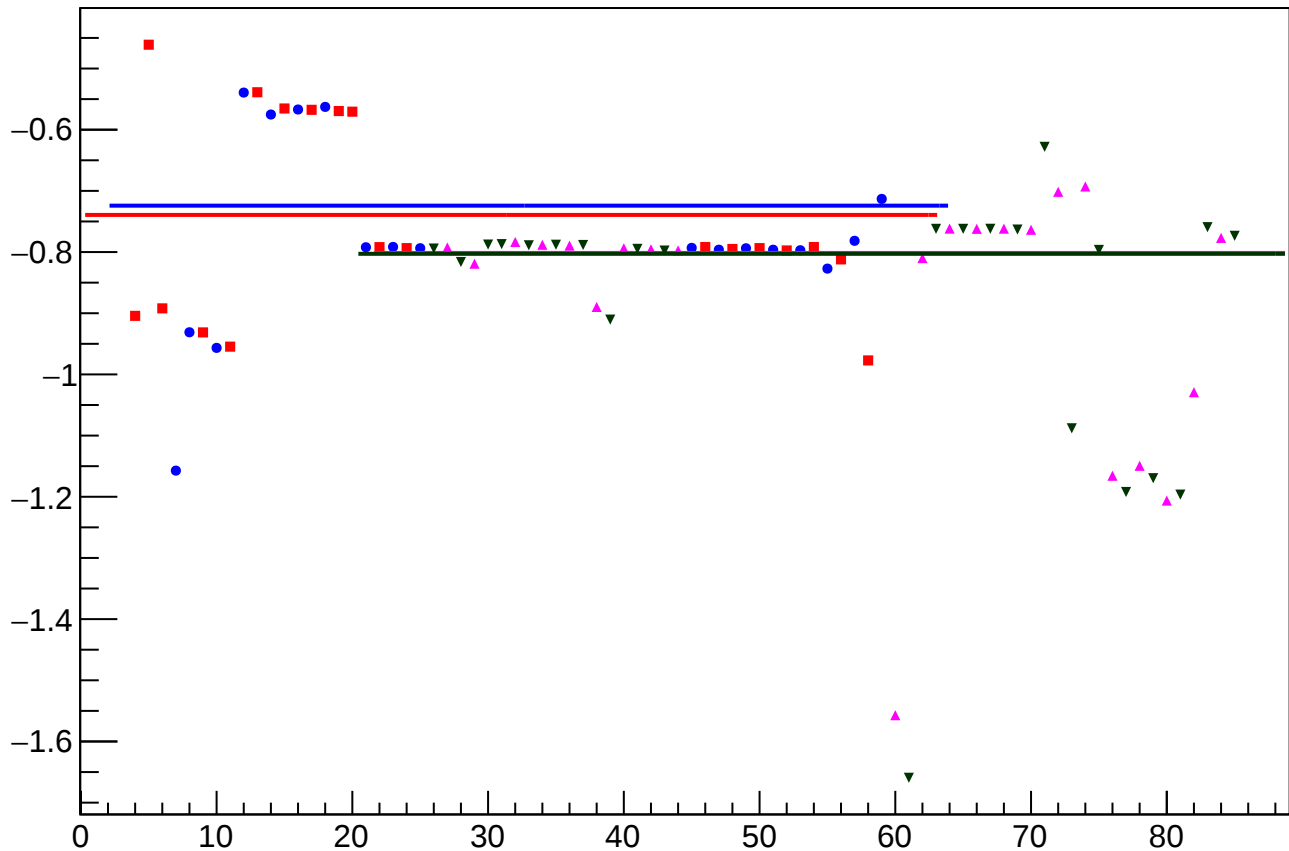
Right Out: 0.003+/-0.000 χ^2/NDF : 1158167.7/18

Left In: 0.004+/-0.000 χ^2/NDF : 395965.4/21

0.003+/-0.000 χ^2/NDF : 2067870.6/40

0.003+/-0.000 χ^2/NDF : 1583161.6/40

yield_bpm12X_mean vs slug



Right In: -0.724+/-0.000 χ^2/NDF : 2243966662.4/17

Left Out: -0.803+/-0.000 χ^2/NDF : 1001675288.6/22

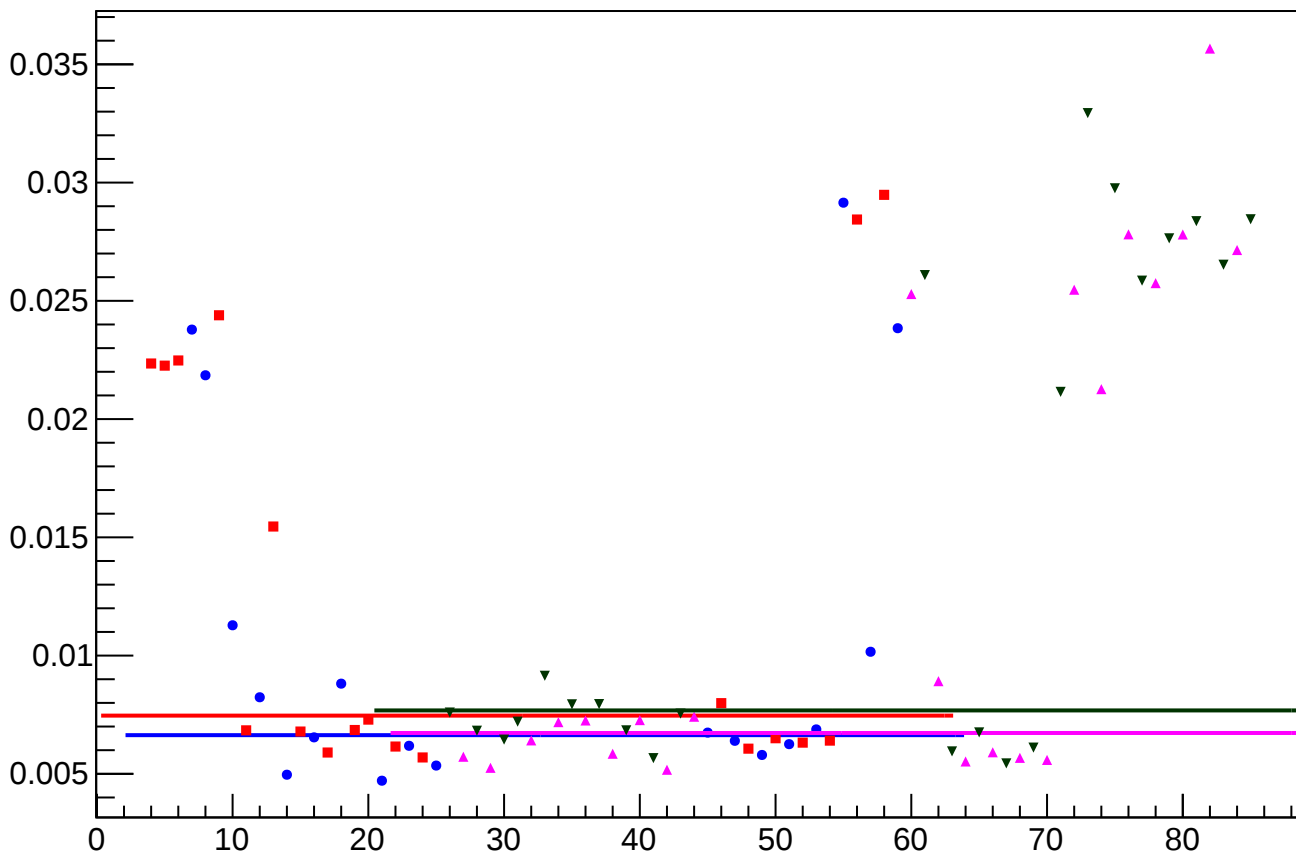
Right Out: -0.739+/-0.000 χ^2/NDF : 1945829237.2/18

Left In: -0.801+/-0.000 χ^2/NDF : 962007153.8/21

-0.759+/-0.000 χ^2/NDF : 3682629633.4/40

-0.776+/-0.000 χ^2/NDF : 3166121575.1/40

yield_bpm12X_rms vs slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 3347518.2/17

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:4983551.3/22

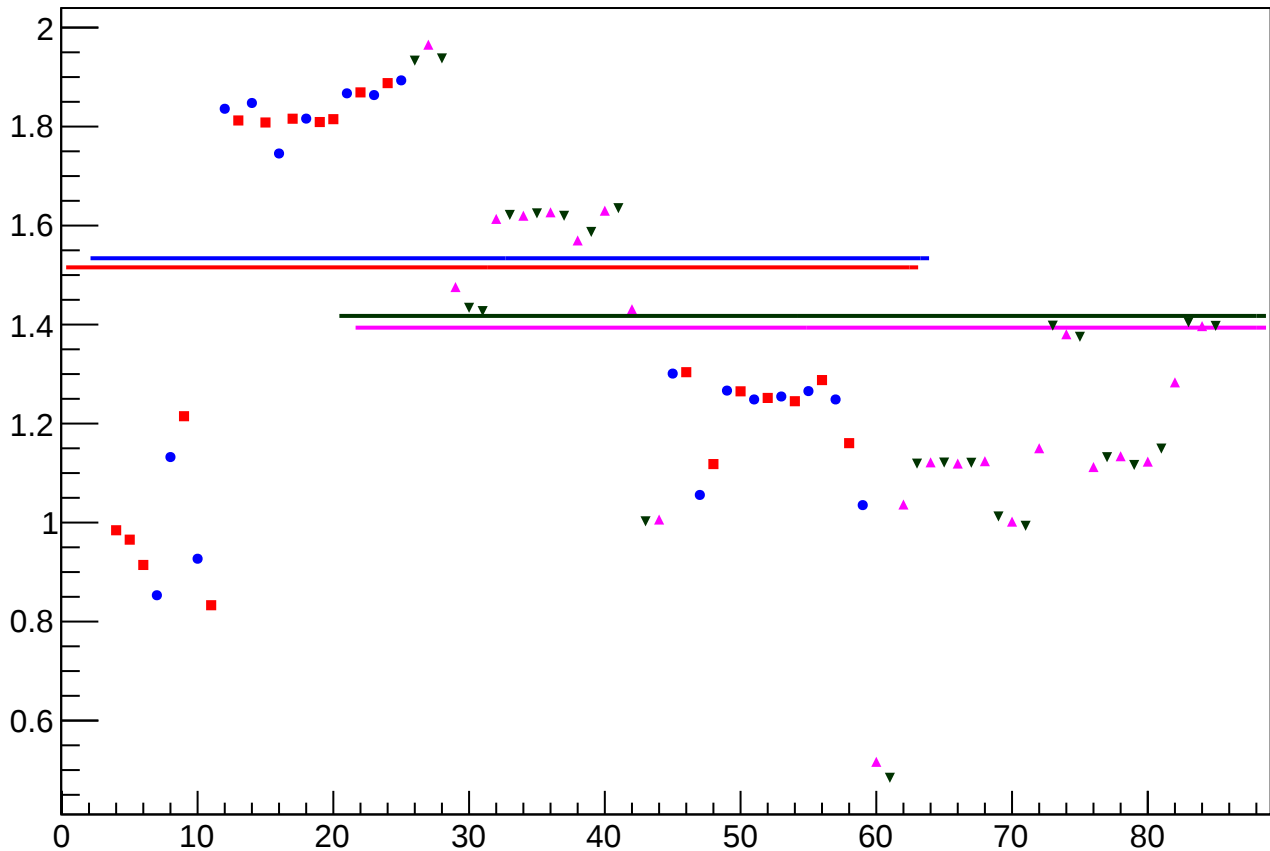
Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 3478880.3/18

Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:4728114.9/21

0.007 $\pm$ 0.000 χ^2 /NDF: 8485365.8/40

0.007 $\pm$ 0.000 χ^2 /NDF: 8279114.0/40

yield_bpm12Y_mean vs slug



Right In: 1.534 $\pm$ 0.000 χ^2/NDF : 22395382646.2/17

Left Out: 1.476 $\pm$ 0.000 χ^2/NDF : 18362061269.7/22

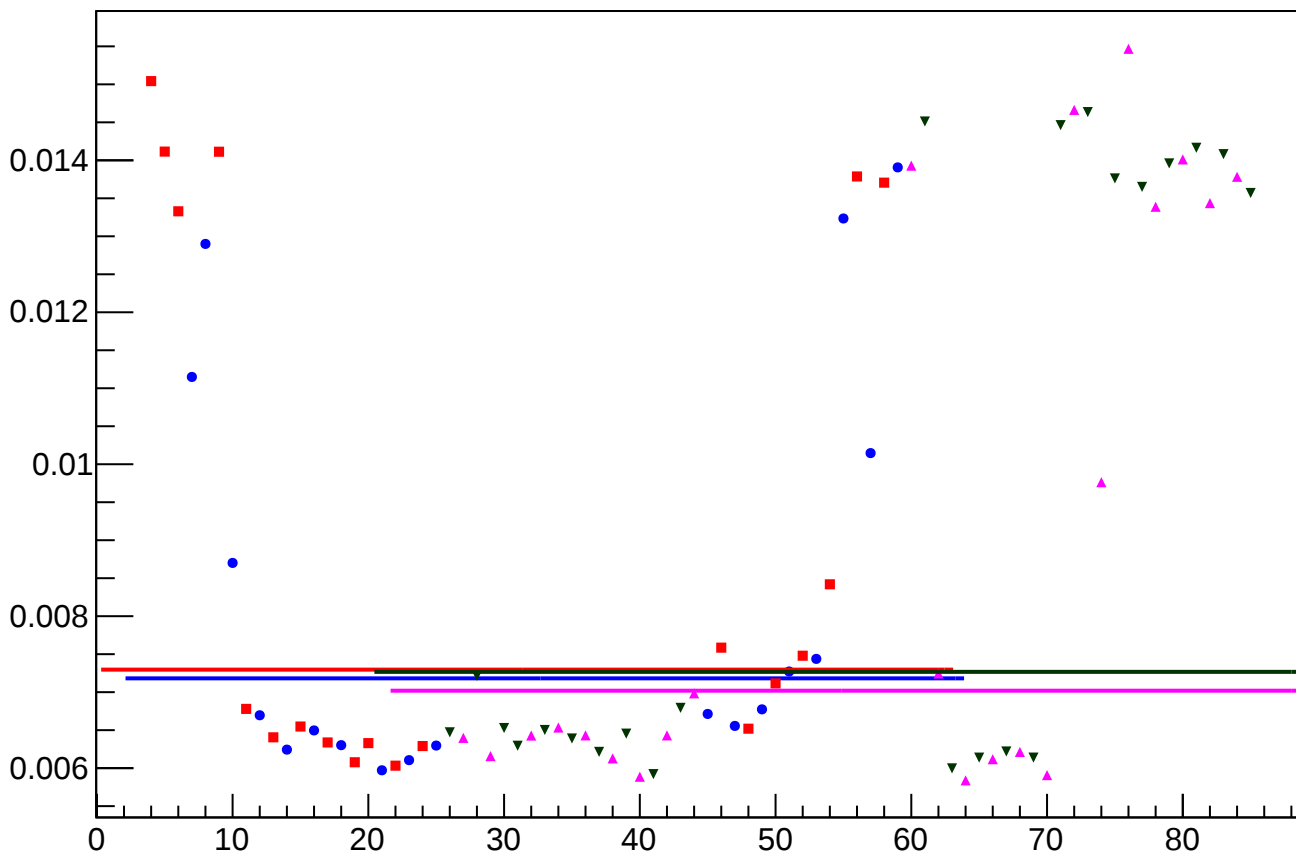
1.476 $\pm$ 0.000 χ^2/NDF : 42042636650.9/40

Right Out: 1.516 $\pm$ 0.000 χ^2/NDF : 21754735470.0/18

1.446 $\pm$ 0.000 χ^2/NDF : 43000901706.7/40

Left In: 1.394 $\pm$ 0.000 χ^2/NDF : 19898162266.4/21

yield_bpm12Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 1305539.8/17

Left Out: 0.007+/-0.000 χ^2/NDF :2359787.0/22

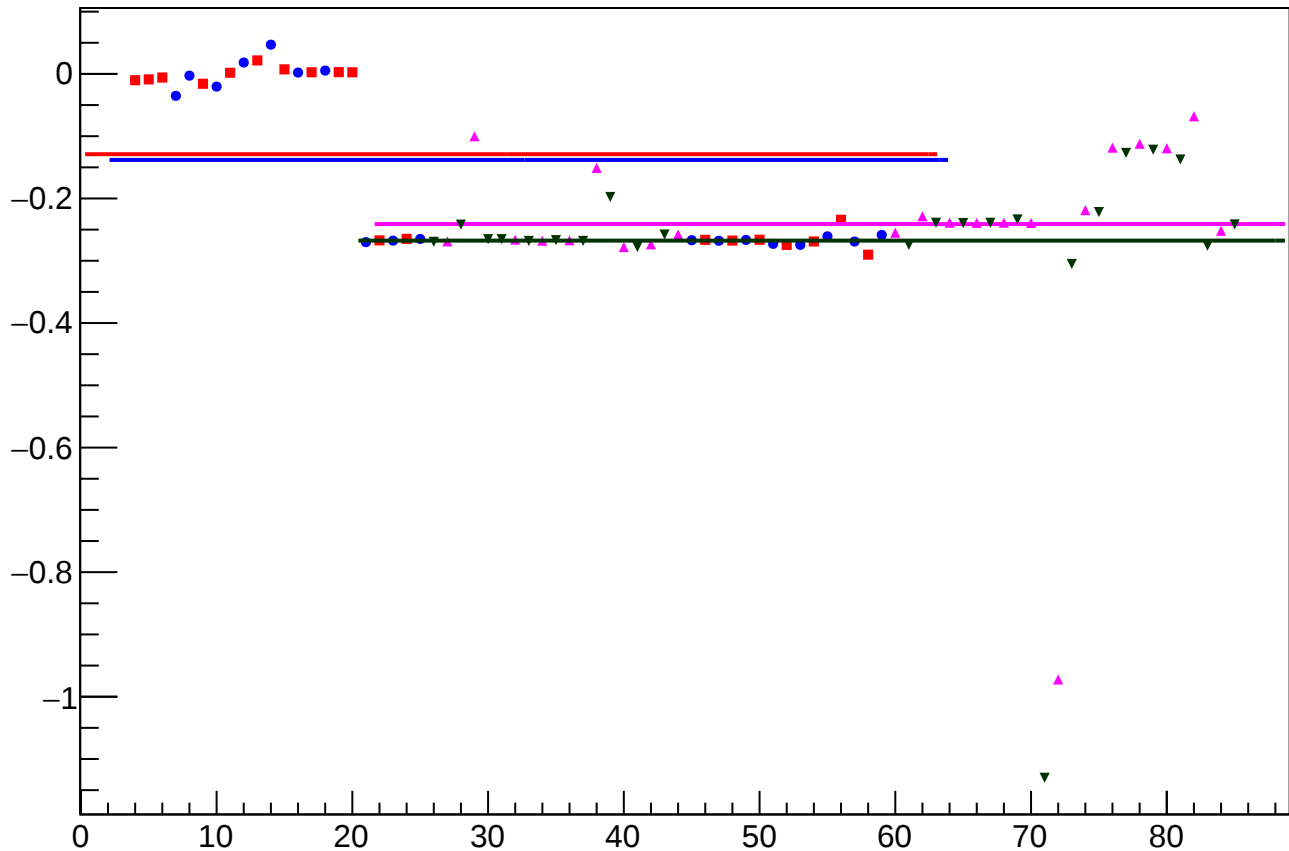
Right Out: 0.007+/-0.000 χ^2/NDF : 1457854.6/18

Left In: 0.007+/-0.000 χ^2/NDF :2073921.3/21

0.007+/-0.000 χ^2/NDF : 3666711.3/40

0.007+/-0.000 χ^2/NDF : 3545743.9/40

yield_bpm16X_mean vs slug



Right In: -0.138+/-0.000 χ^2/NDF : 7275574194.7/17

Left Out: -0.268+/-0.000 χ^2/NDF : 6087515933.6/22

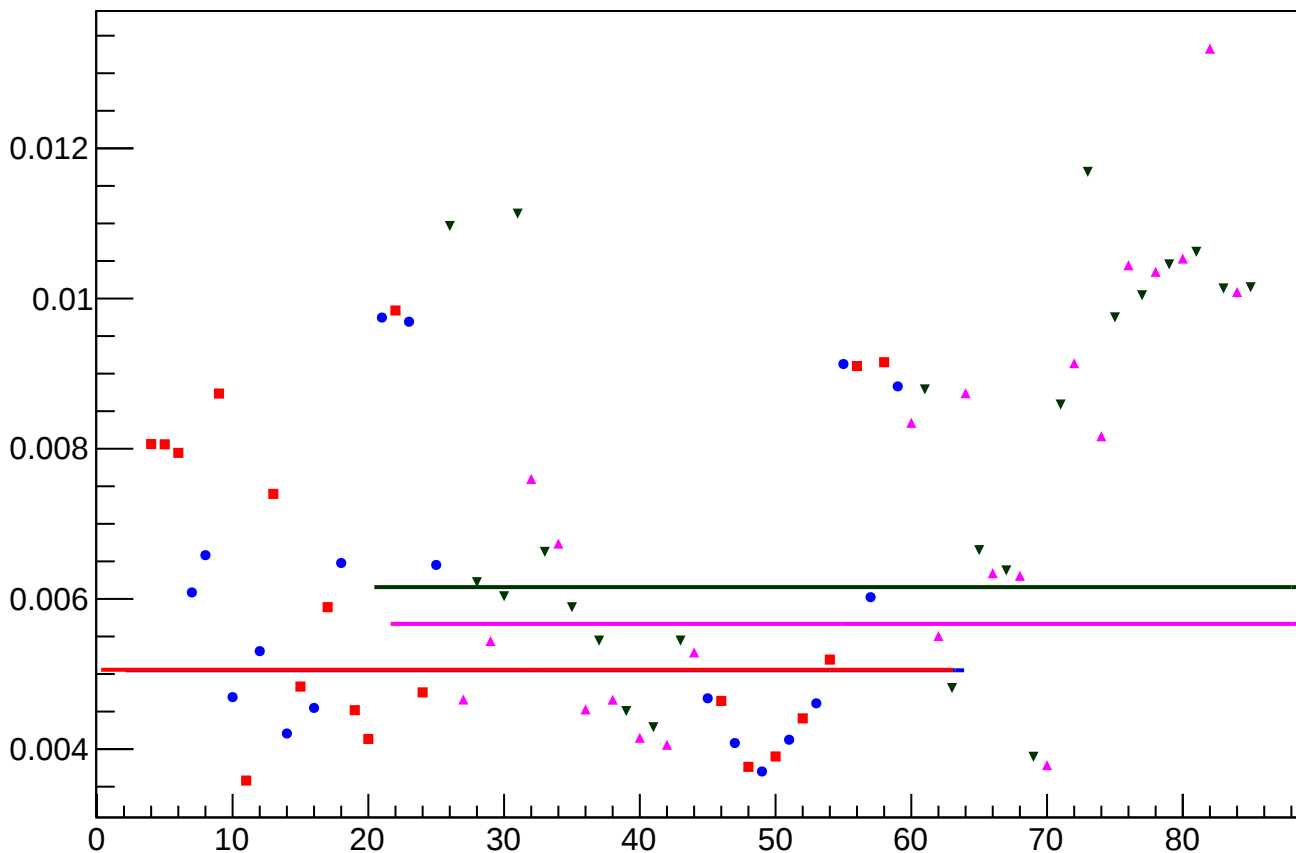
Right Out: -0.129+/-0.000 χ^2/NDF : 5878929515.5/18

Left In: -0.241+/-0.000 χ^2/NDF : 3864758855.2/21

-0.192+/-0.000 χ^2/NDF : 15931692644.5/40

-0.184+/-0.000 χ^2/NDF : 11738377805.8/40

yield_bpm16X_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 1664372.1/17

Left Out: 0.006+/-0.000 χ^2/NDF : 2414408.3/22

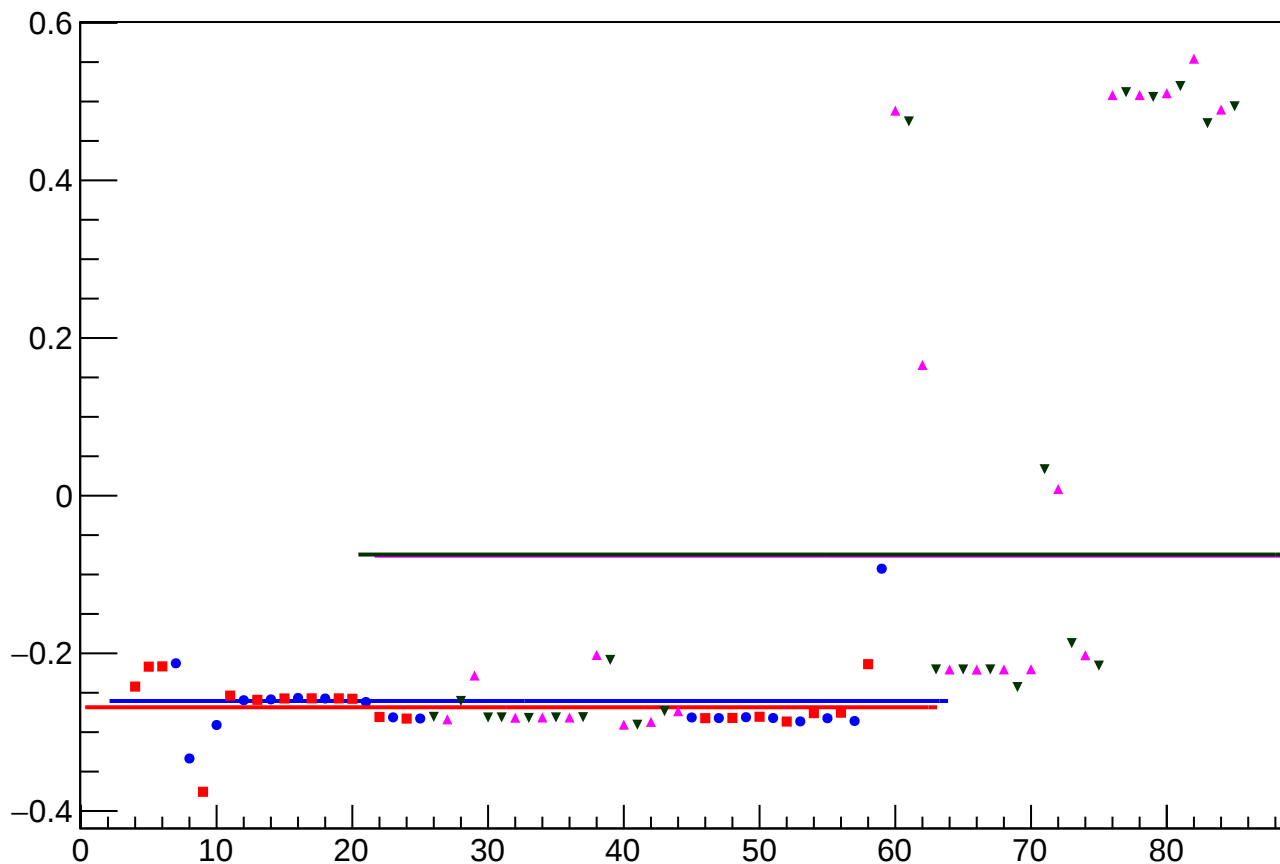
Right Out: 0.005+/-0.000 χ^2/NDF : 1822469.4/18

Left In: 0.006+/-0.000 χ^2/NDF : 2407977.5/21

0.006+/-0.000 χ^2/NDF : 4454174.0/40

0.005+/-0.000 χ^2/NDF : 4348798.9/40

yield_bpm16Y_mean vs slug



Right In: -0.260+/-0.000 χ^2/NDF : 6878369368.1/17

Left Out: -0.075+/-0.000 χ^2/NDF : 135472377791.7/22

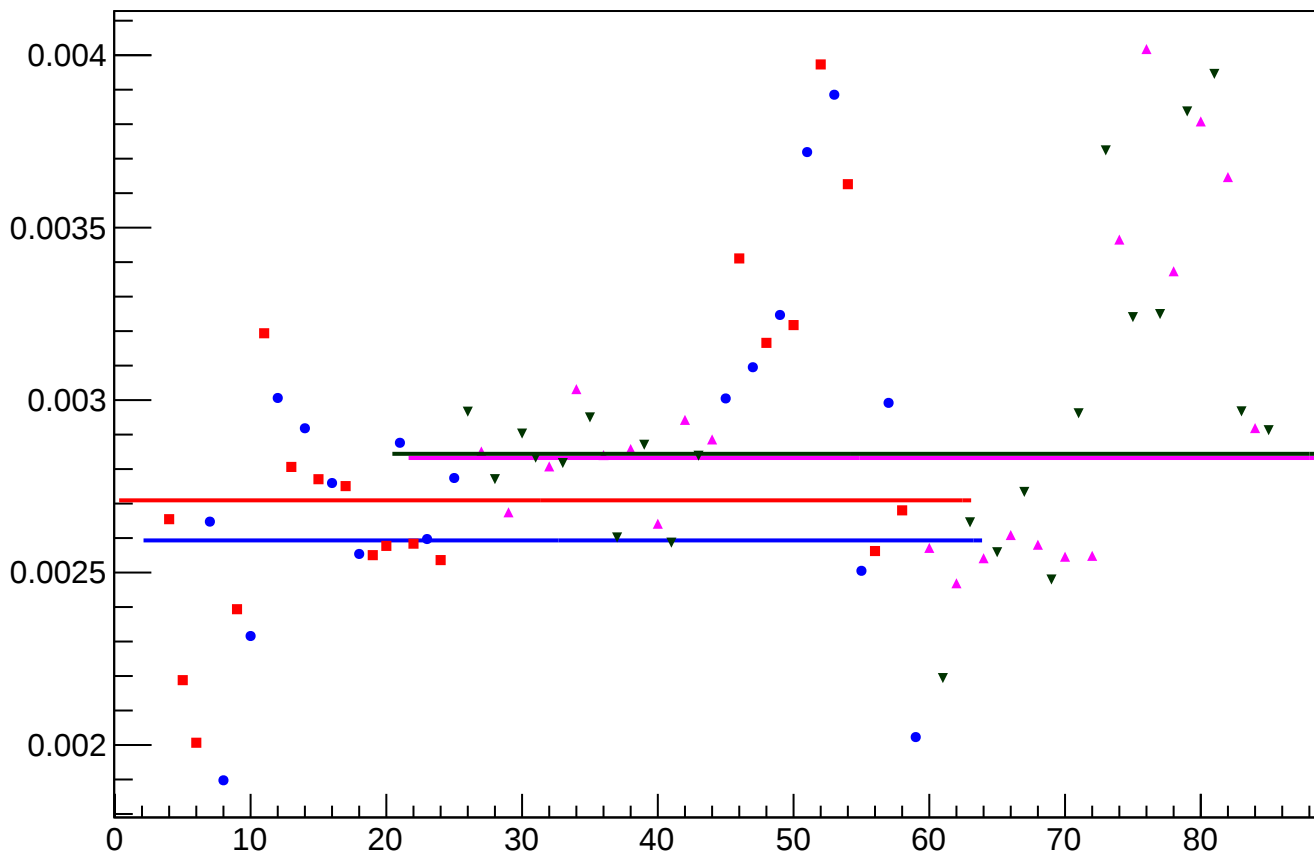
Right Out: -0.268+/-0.000 χ^2/NDF : 2185355194.4/18

Left In: -0.076+/-0.000 χ^2/NDF : 129148762393.1/21

-0.173+/-0.000 χ^2/NDF : 167877101403.3/40

-0.166+/-0.000 χ^2/NDF : 156381124393.1/40

yield_bpm16Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 774114.6/17

Left Out: 0.003+/-0.000 χ^2/NDF : 372544.0/22

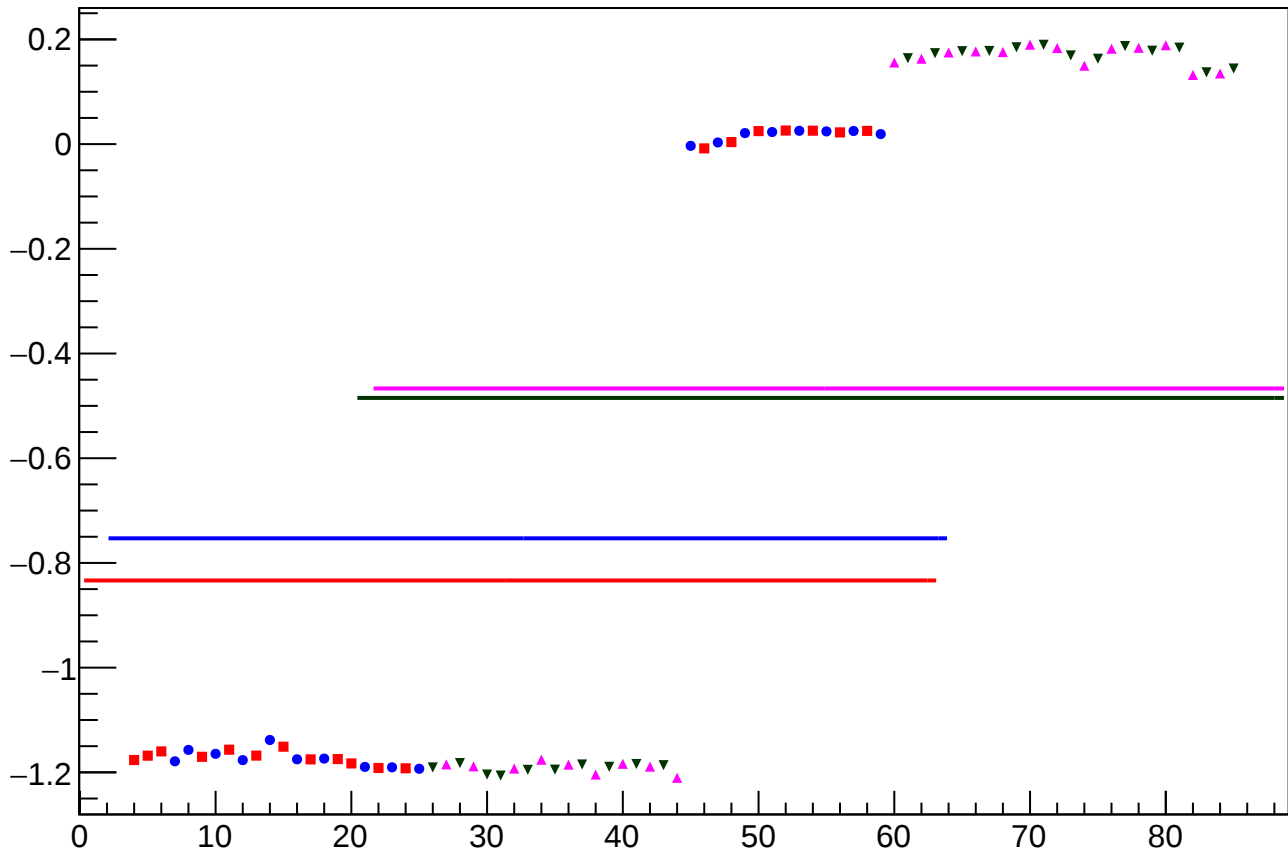
Right Out: 0.003+/-0.000 χ^2/NDF : 476230.4/18

Left In: 0.003+/-0.000 χ^2/NDF : 359783.9/21

0.003+/-0.000 χ^2/NDF : 1239914.9/40

0.003+/-0.000 χ^2/NDF : 856428.5/40

yield_bpm2i01X_mean vs slug



Right In: -0.753+/-0.000 χ^2/NDF : 63524502695.2/17

Left Out: -0.485+/-0.000 χ^2/NDF : 77957710926.6/22

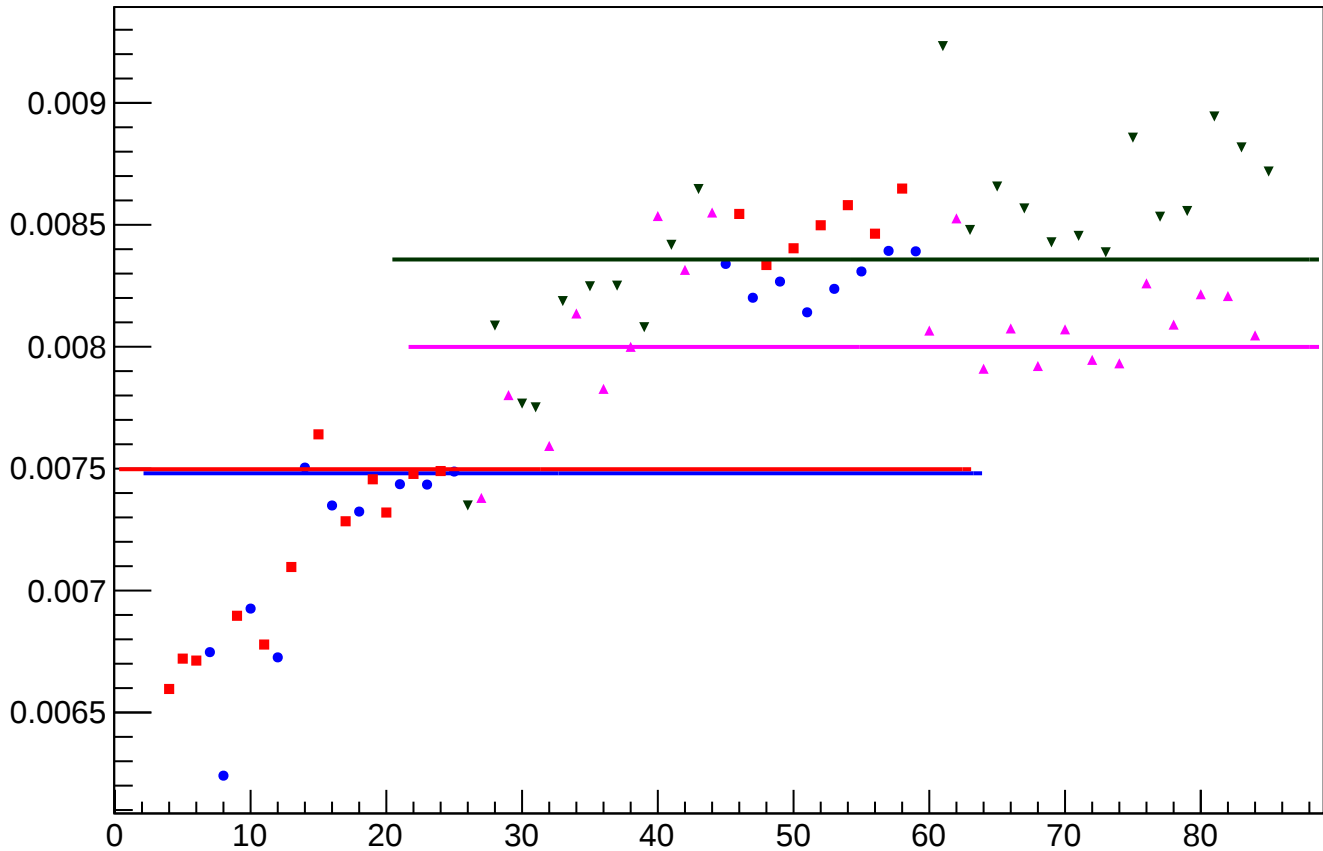
Right Out: -0.833+/-0.000 χ^2/NDF : 50332816661.3/18

Left In: -0.467+/-0.000 χ^2/NDF : 87133641235.1/21

-0.630+/-0.000 χ^2/NDF : 148020705849.1/40

-0.643+/-0.000 χ^2/NDF : 149710505778.7/40

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 : 56254.8/22

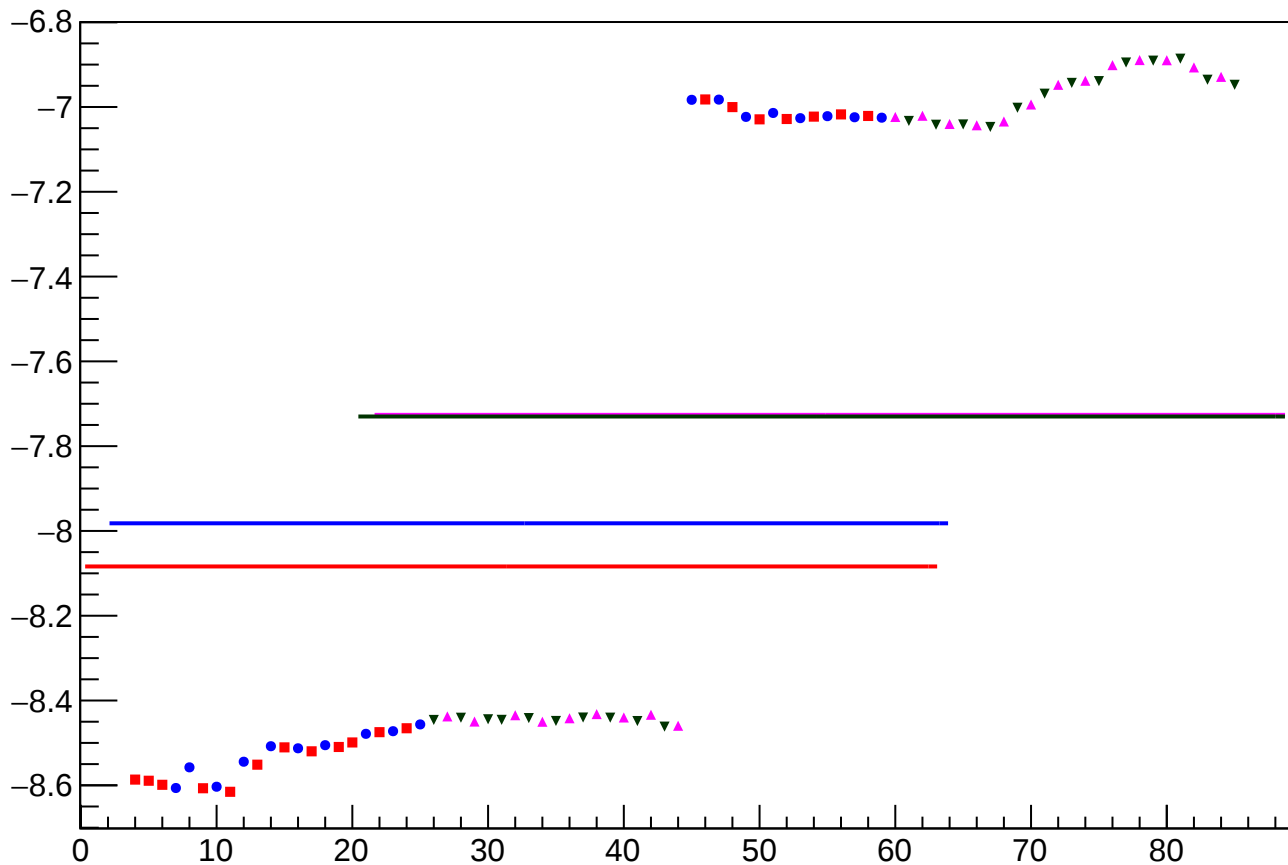
Right Out: 0.007+/-0.000 χ^2/NDF : 167417.2/18

Left In: 0.008+/-0.000 χ^2/NDF : 34952.6/21

0.008+/-0.000 χ^2/NDF : 392116.4/40

0.008+/-0.000 χ^2/NDF : 248168.8/40

yield_bpm2i01Y_mean vs slug



Right In: -7.982+/-0.000 χ^2/NDF : 116524136897.0/17

Left Out: -7.730+/-0.000 χ^2/NDF : 110098385774.1/22

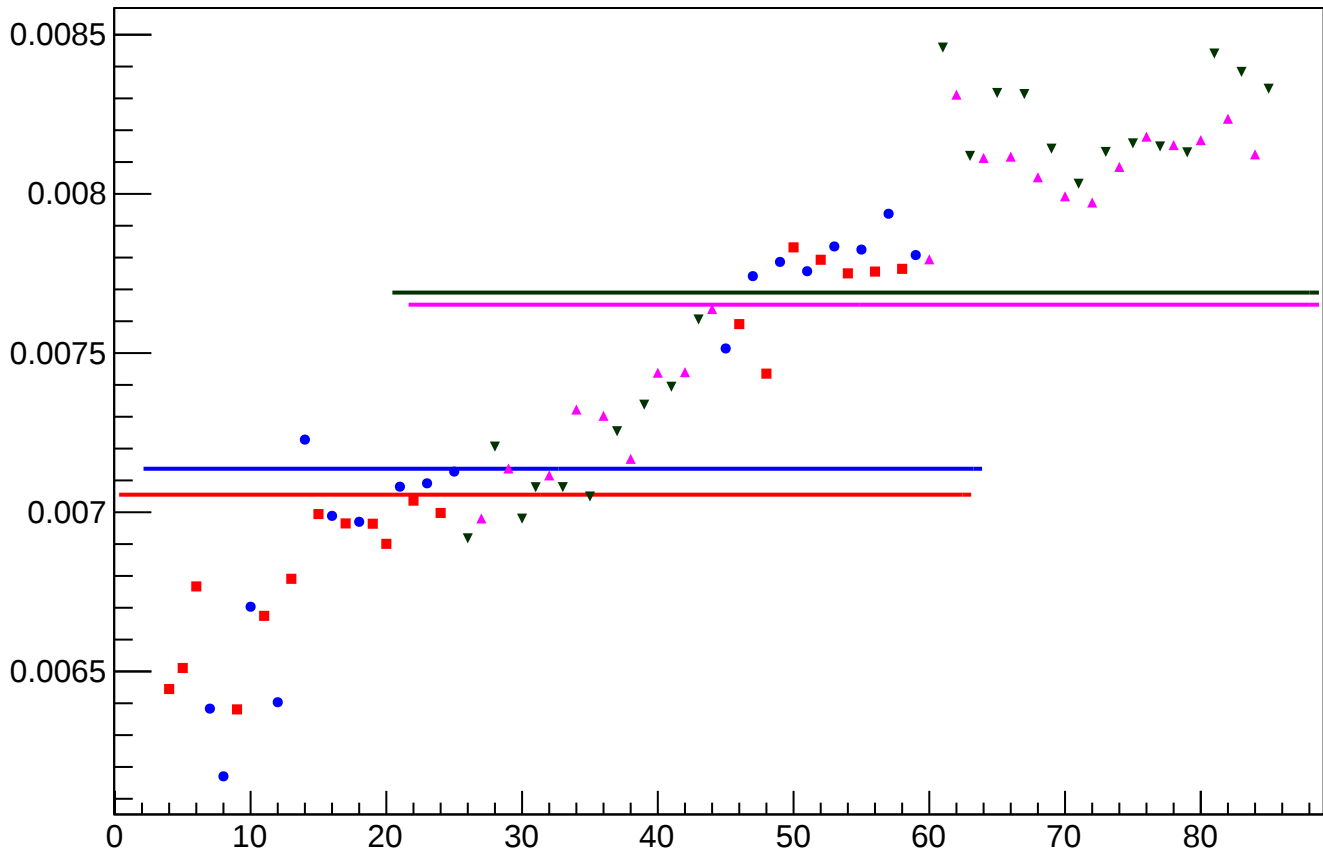
Right Out: -8.084+/-0.000 χ^2/NDF : 99506540389.5/18

Left In: -7.726+/-0.000 χ^2/NDF : 114023964494.7/21

-7.861+/-0.000 χ^2/NDF : 233273381306.2/40

-7.901+/-0.000 χ^2/NDF : 226584638144.7/40

yield_bpm2i01Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 141394.2/17

Left Out: 0.008+/-0.000 χ^2/NDF :120291.4/22

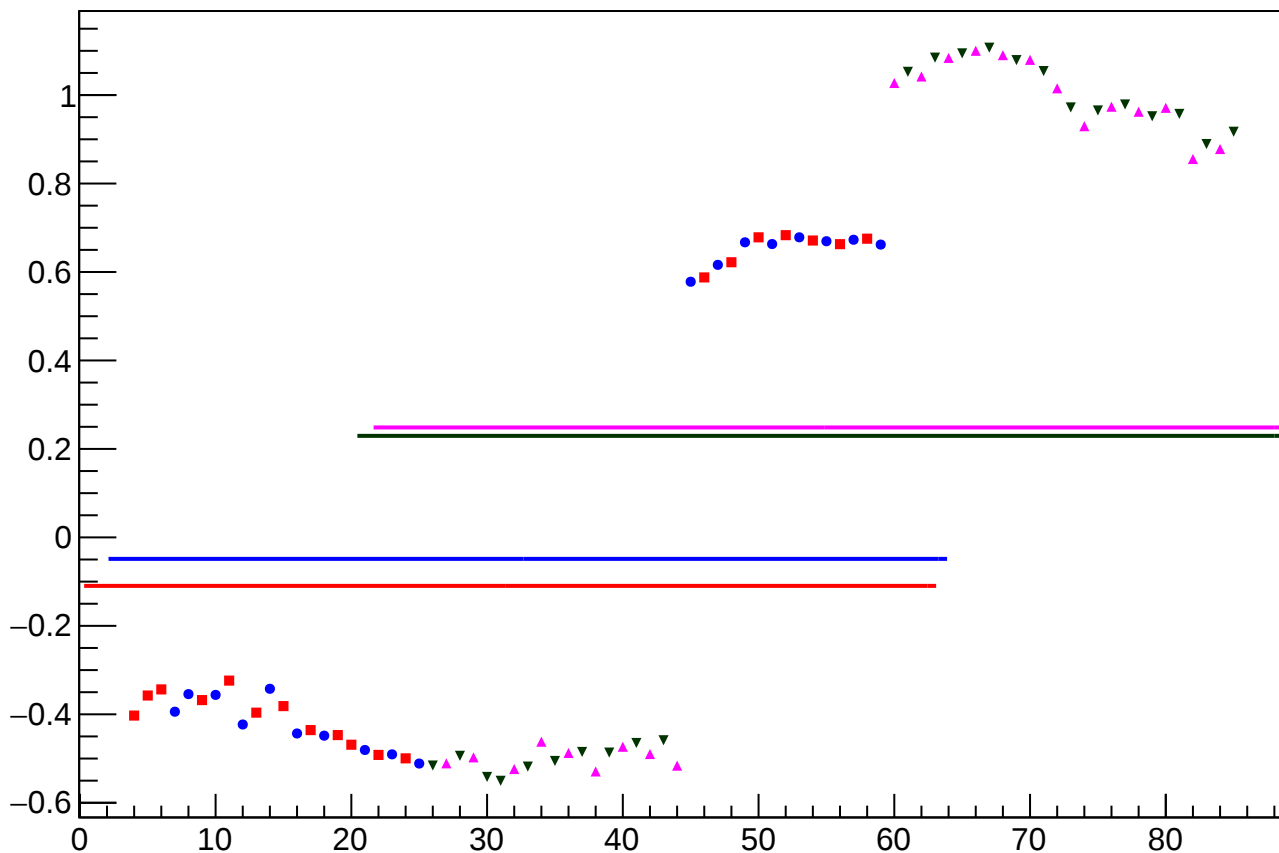
Right Out: 0.007+/-0.000 χ^2/NDF : 88863.4/18

Left In: 0.008+/-0.000 χ^2/NDF :88727.3/21

0.007+/-0.000 χ^2/NDF : 325862.1/40

0.007+/-0.000 χ^2/NDF : 250292.9/40

yield_bpm2i02X_mean vs slug



Right In: -0.049+/-0.000 χ^2/NDF : 7806391272.8/17

Left Out: 0.230+/-0.000 χ^2/NDF :14181948538.3/22

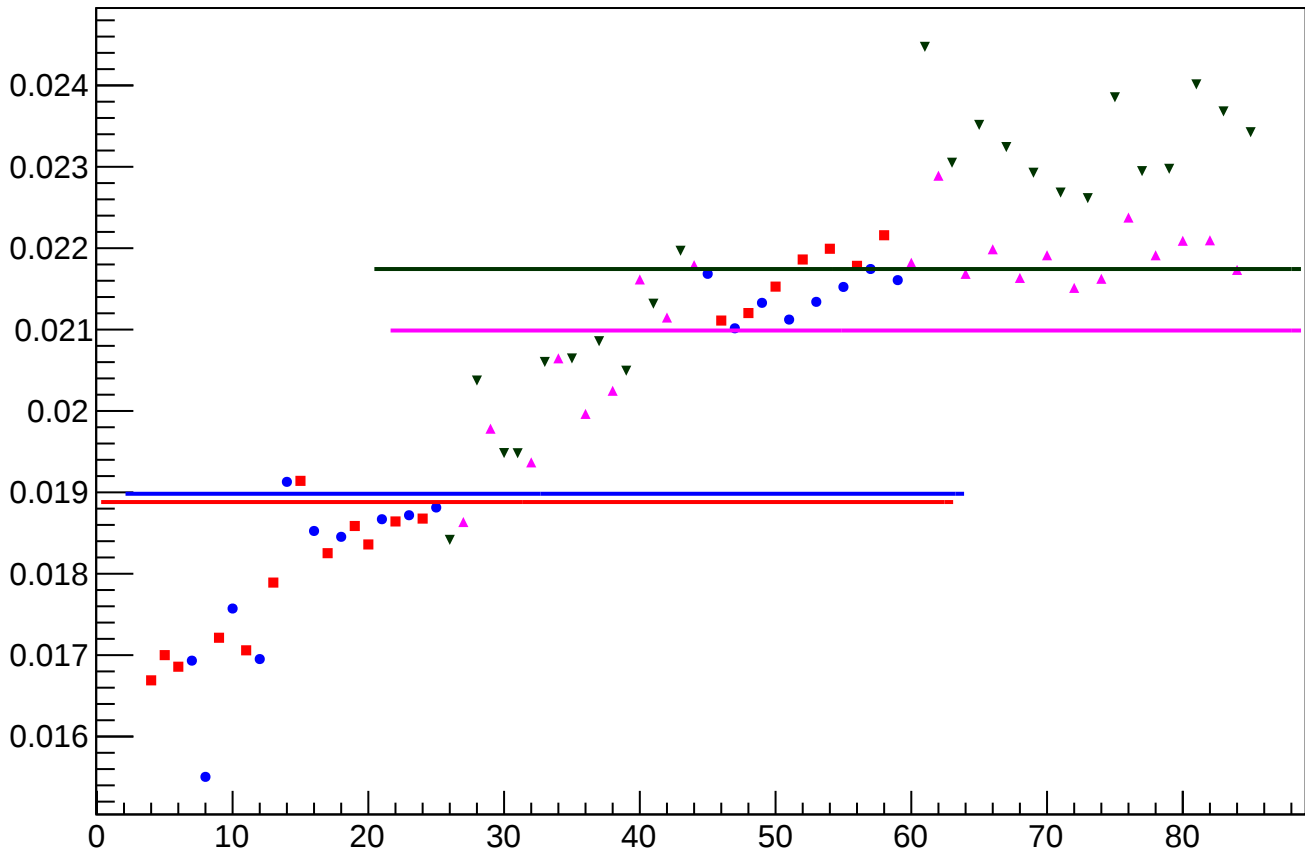
0.075+/-0.000 χ^2/NDF : 23049550402.8/40

Right Out: -0.110+/-0.000 χ^2/NDF : 6259069670.0/18

0.069+/-0.000 χ^2/NDF : 23671085737.1/40

Left In: 0.249+/-0.000 χ^2/NDF :15643301897.8/21

yield_bpm2i02X_rms vs slug



Right In: 0.019 ± 0.000 χ^2/NDF : 254927.5/17

Left Out: 0.022 ± 0.000 χ^2/NDF : 138985.2/22

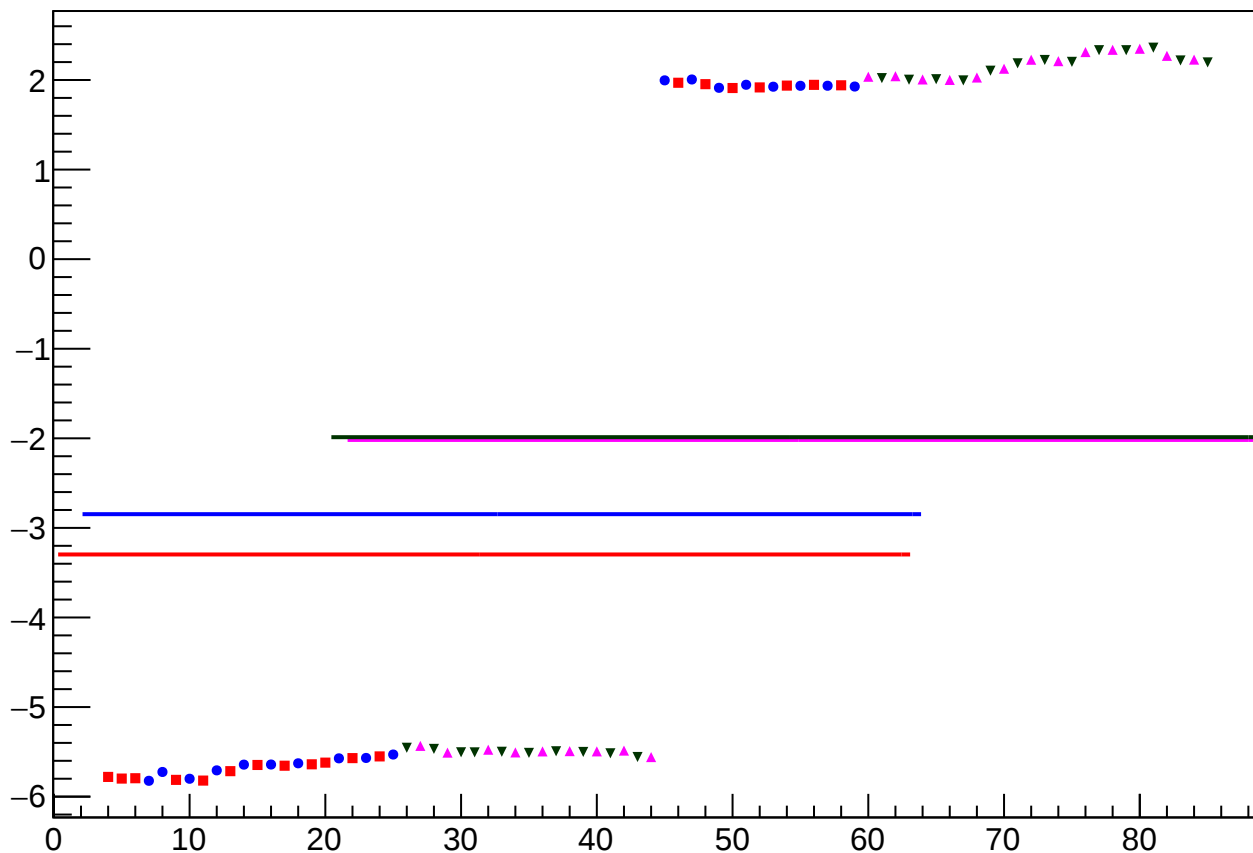
0.020 ± 0.000 χ^2/NDF : 603118.8/40

Right Out: 0.019 ± 0.000 χ^2/NDF : 190553.3/18

0.020 ± 0.000 χ^2/NDF : 392791.8/40

Left In: 0.021 ± 0.000 χ^2/NDF : 79770.4/21

yield_bpm2i02Y_mean vs slug



Right In: -2.847+/-0.000 χ^2/NDF : 988085675921.2/17

Left Out: -1.987+/-0.000 χ^2/NDF : 1000739652929.1/22

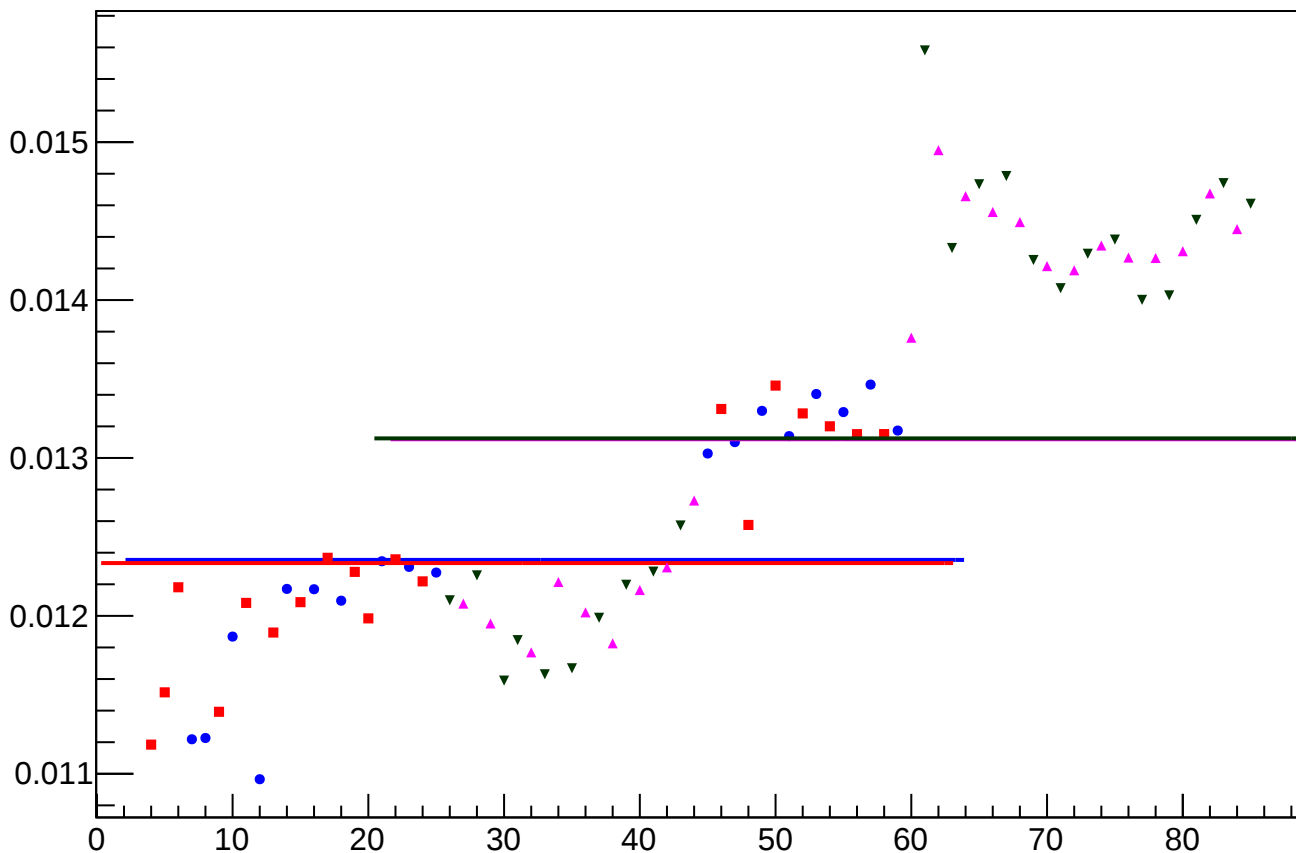
Right Out: -3.297+/-0.000 χ^2/NDF : 819050975647.4/18

Left In: -2.018+/-0.000 χ^2/NDF : 1028009955822.9/21

-2.431+/-0.000 χ^2/NDF : 2014909675890.8/40

-2.630+/-0.000 χ^2/NDF : 1902378530276.1/40

yield_bpm2i02Y_rms vs slug



Right In: 0.012+/-0.000 χ^2/NDF : 89844.3/17

Left Out: 0.013+/-0.000 χ^2/NDF :216795.2/22

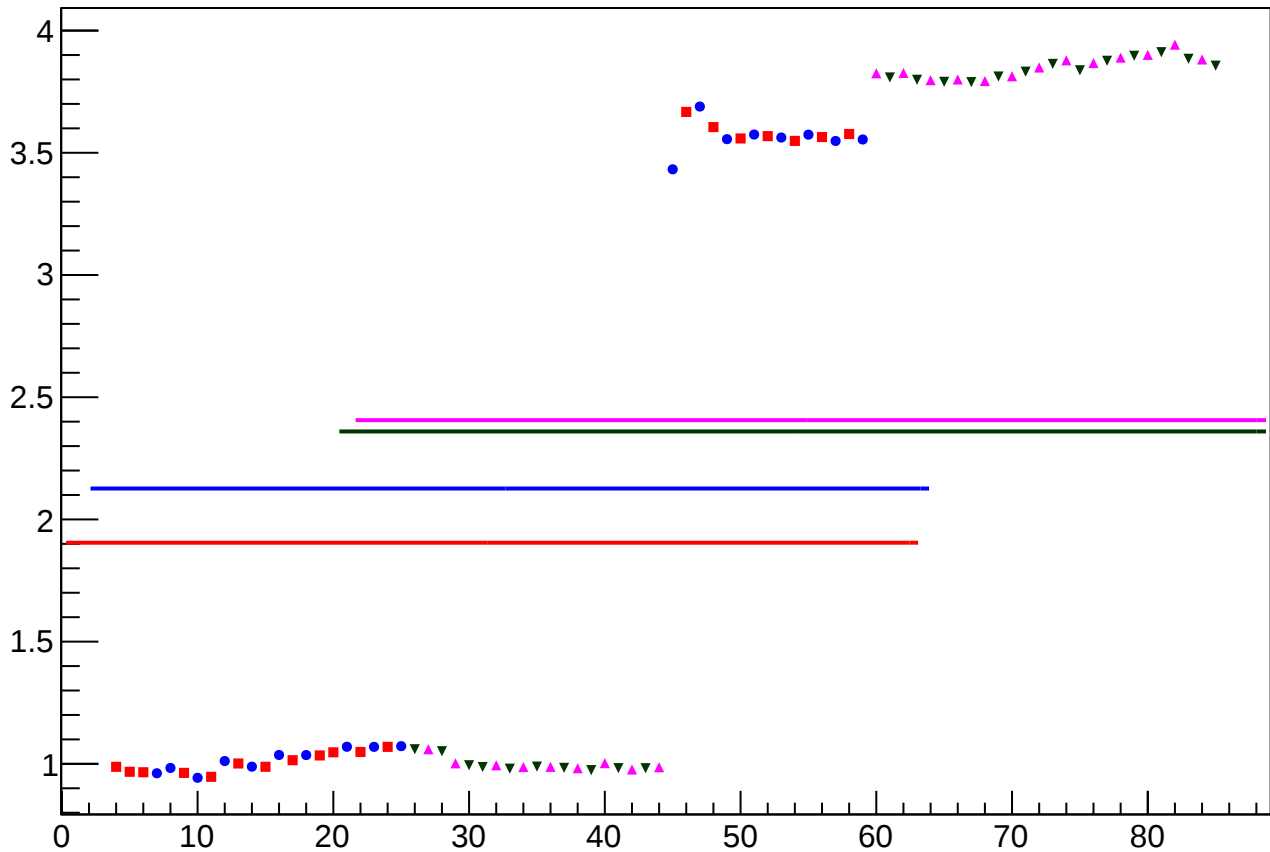
Right Out: 0.012+/-0.000 χ^2/NDF : 54886.5/18

Left In: 0.013+/-0.000 χ^2/NDF :197151.1/21

0.013+/-0.000 χ^2/NDF : 348461.2/40

0.013+/-0.000 χ^2/NDF : 293629.7/40

yield_bpm1i04X_mean vs slug



Right In: 2.126+/-0.000 χ^2/NDF : 292632575878.4/17

Left Out: 2.360+/-0.000 χ^2/NDF : 368875201830.1/22

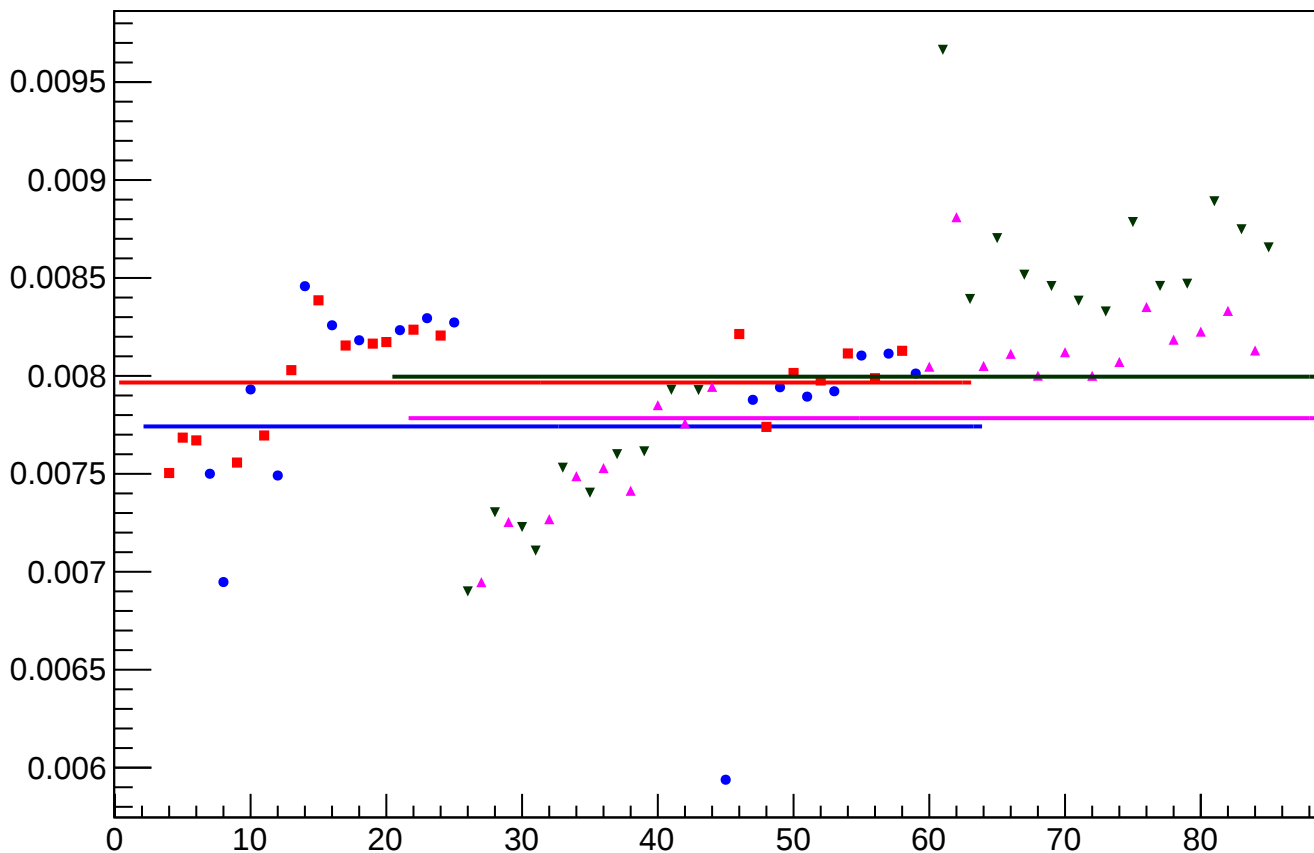
Right Out: 1.905+/-0.000 χ^2/NDF : 236022966001.2/18

Left In: 2.406+/-0.000 χ^2/NDF : 404580753048.7/21

2.243+/-0.000 χ^2/NDF : 666510686159.4/40

2.187+/-0.000 χ^2/NDF : 662548553113.0/40

yield_bpm1i04X_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 178907.2/17

Left Out: 0.008+/-0.000 χ^2/NDF :157508.9/22

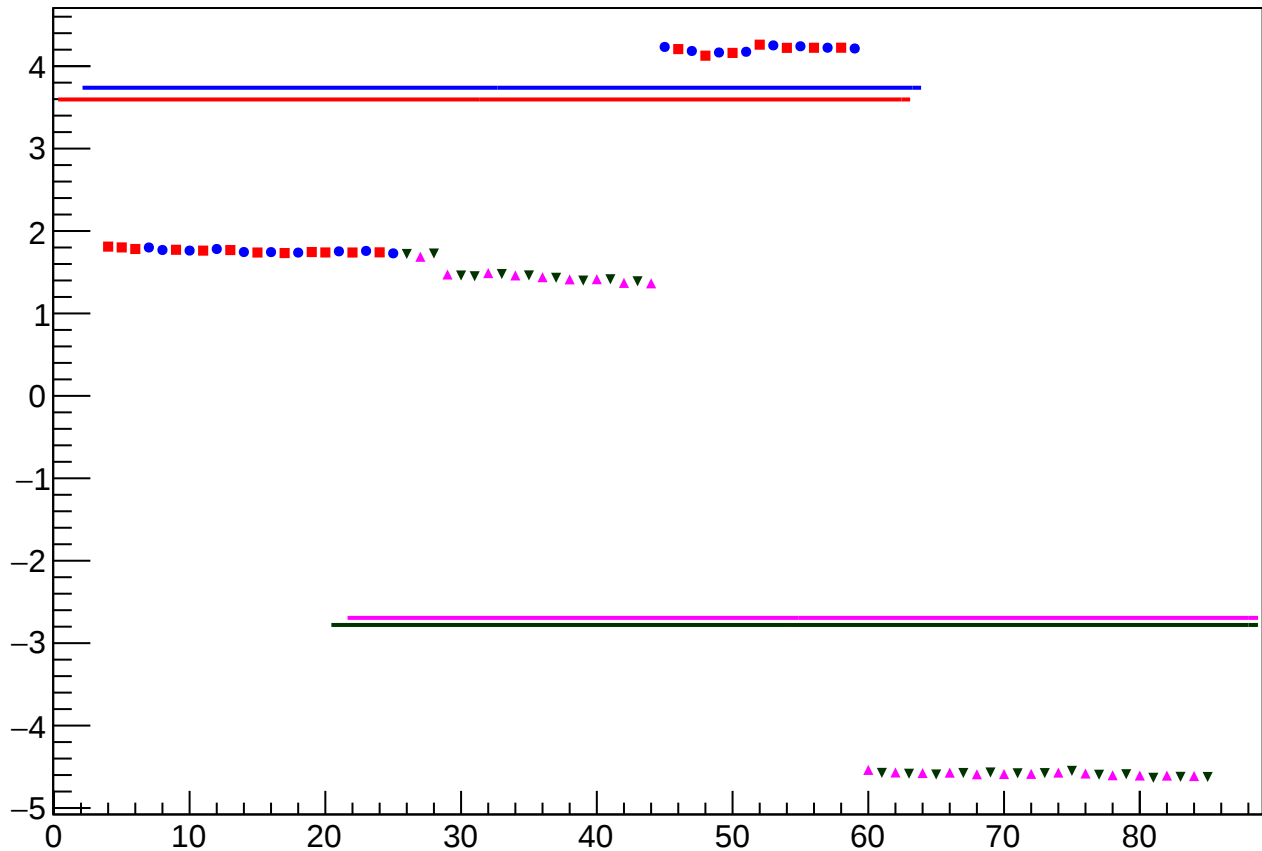
Right Out: 0.008+/-0.000 χ^2/NDF : 20073.5/18

Left In: 0.008+/-0.000 χ^2/NDF :85142.9/21

0.008+/-0.000 χ^2/NDF : 348261.2/40

0.008+/-0.000 χ^2/NDF : 110997.8/40

yield_bpm1i04Y_mean vs slug



Right In: 3.738+/-0.000 χ^2/NDF : 502669373965.6/17

Left Out: -2.779+/-0.000 χ^2/NDF : 4073568844955.7/22

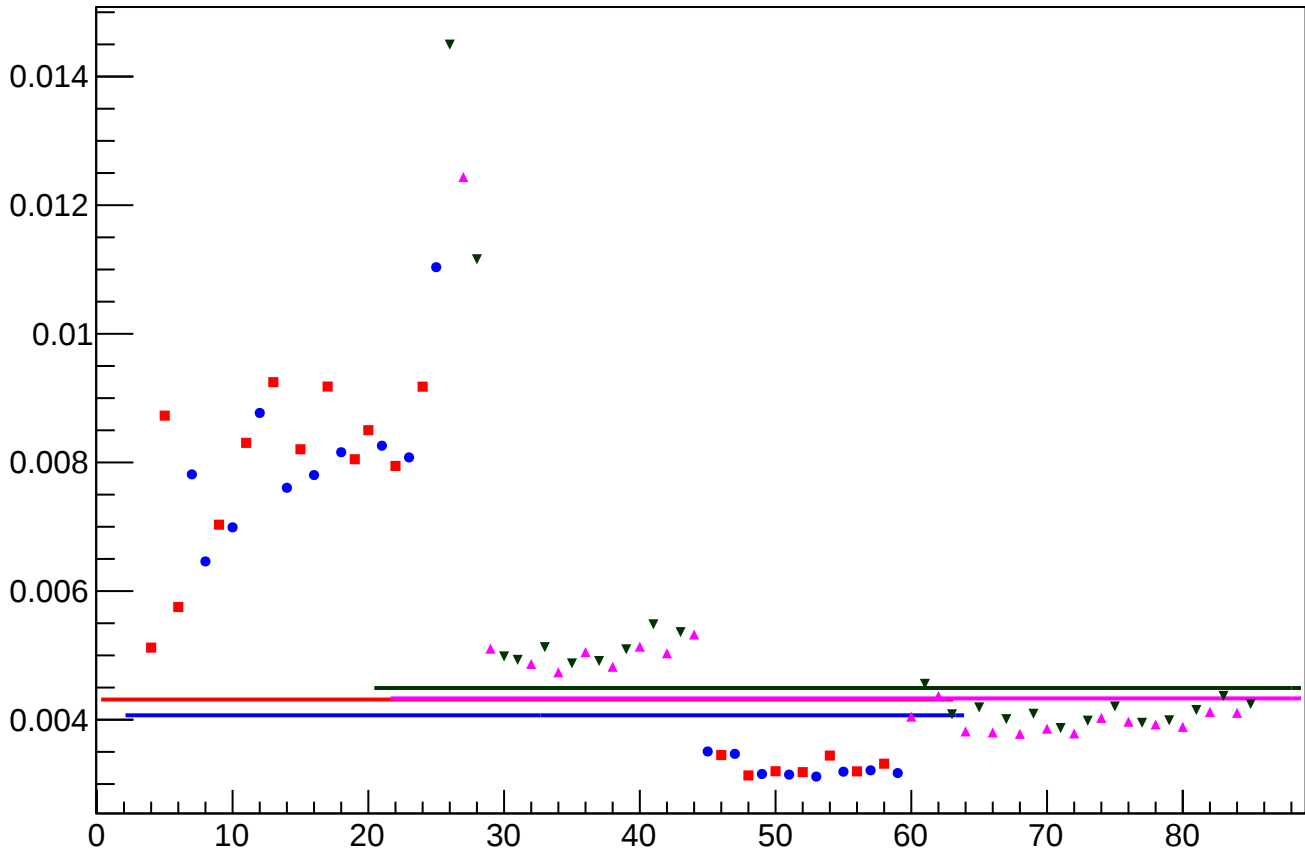
0.503+/-0.000 χ^2/NDF : 15953170811768.8/40

Right Out: 3.596+/-0.000 χ^2/NDF : 468031292414.6/18

-0.099+/-0.000 χ^2/NDF : 14930402021078.2/40

Left In: -2.693+/-0.000 χ^2/NDF : 4687970405643.8/21

yield_bpm1i04Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 3401724.5/17

Left Out: 0.004+/-0.000 χ^2/NDF :1156047.3/22

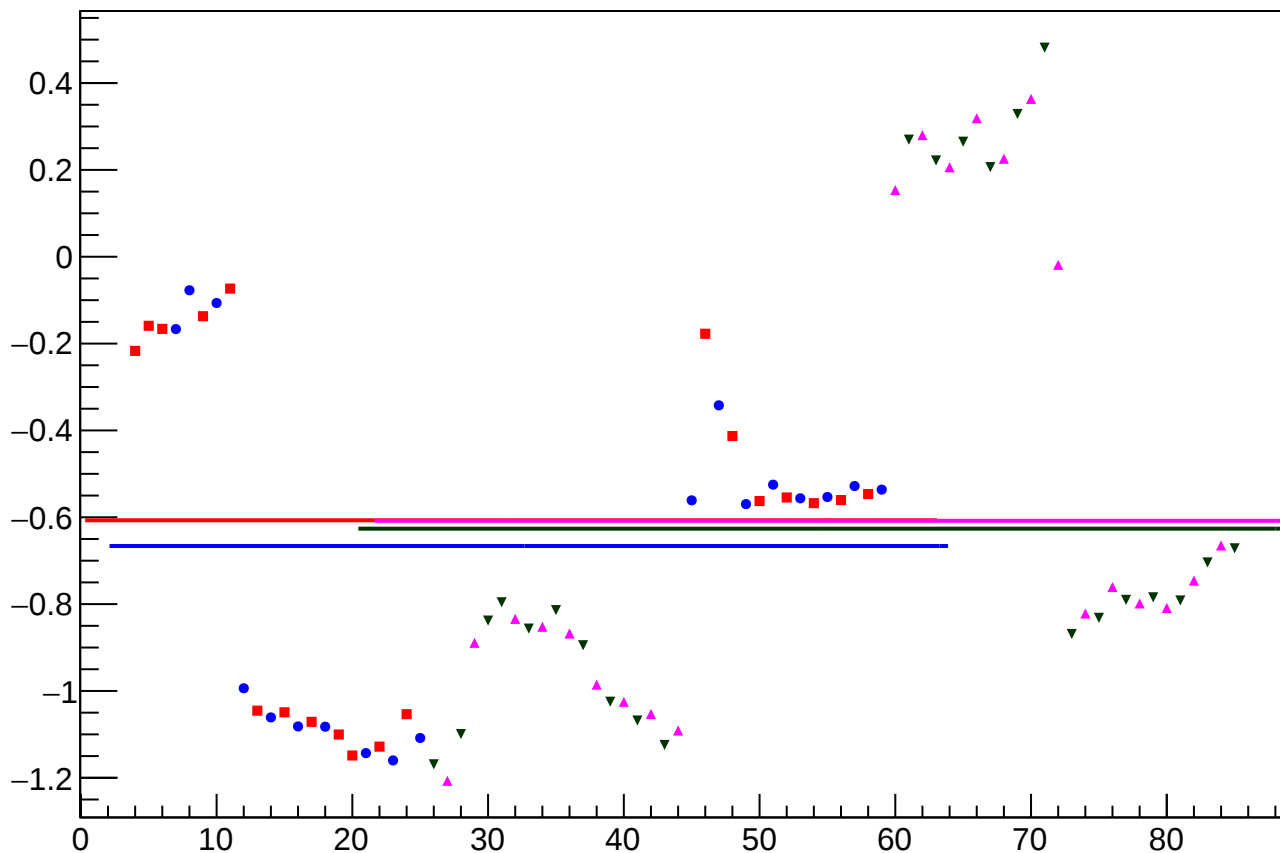
0.004+/-0.000 χ^2/NDF : 4654319.8/40

Right Out: 0.004+/-0.000 χ^2/NDF : 3241260.9/18

0.004+/-0.000 χ^2/NDF : 4165570.5/40

Left In: 0.004+/-0.000 χ^2/NDF :924159.1/21

yield_bpm0l01X_mean vs slug



Right In: -0.666+/-0.000 χ^2/NDF : 19135534349.5/17

Left Out: -0.626+/-0.000 χ^2/NDF : 40325917162.6/22

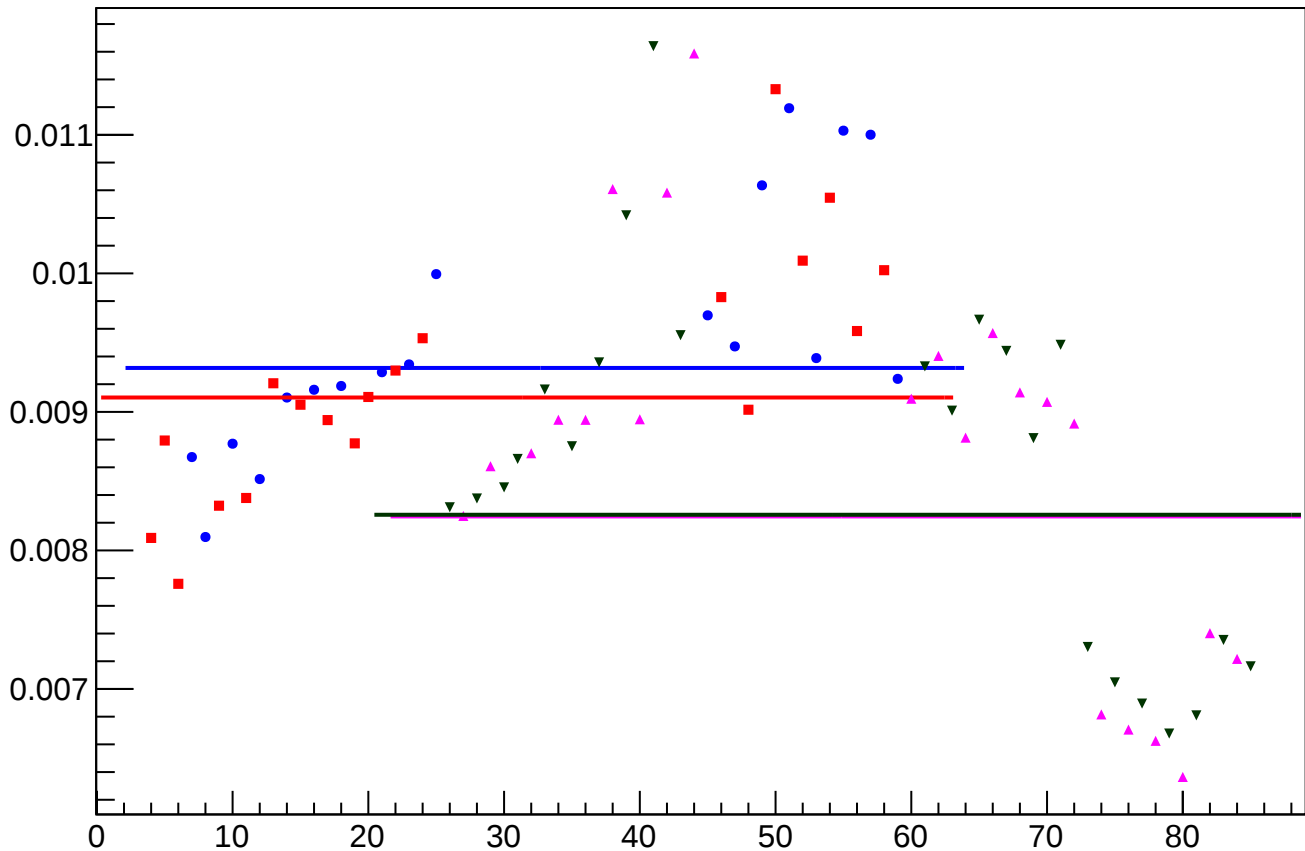
Right Out: -0.607+/-0.000 χ^2/NDF : 19217252419.4/18

Left In: -0.608+/-0.000 χ^2/NDF : 41327702285.9/21

-0.643+/-0.000 χ^2/NDF : 59576305555.2/40

-0.608+/-0.000 χ^2/NDF : 60545060948.3/40

yield_bpm0l01X_rms vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 165772.4/17

Left Out: 0.008+/-0.000 χ^2/NDF : 500418.2/22

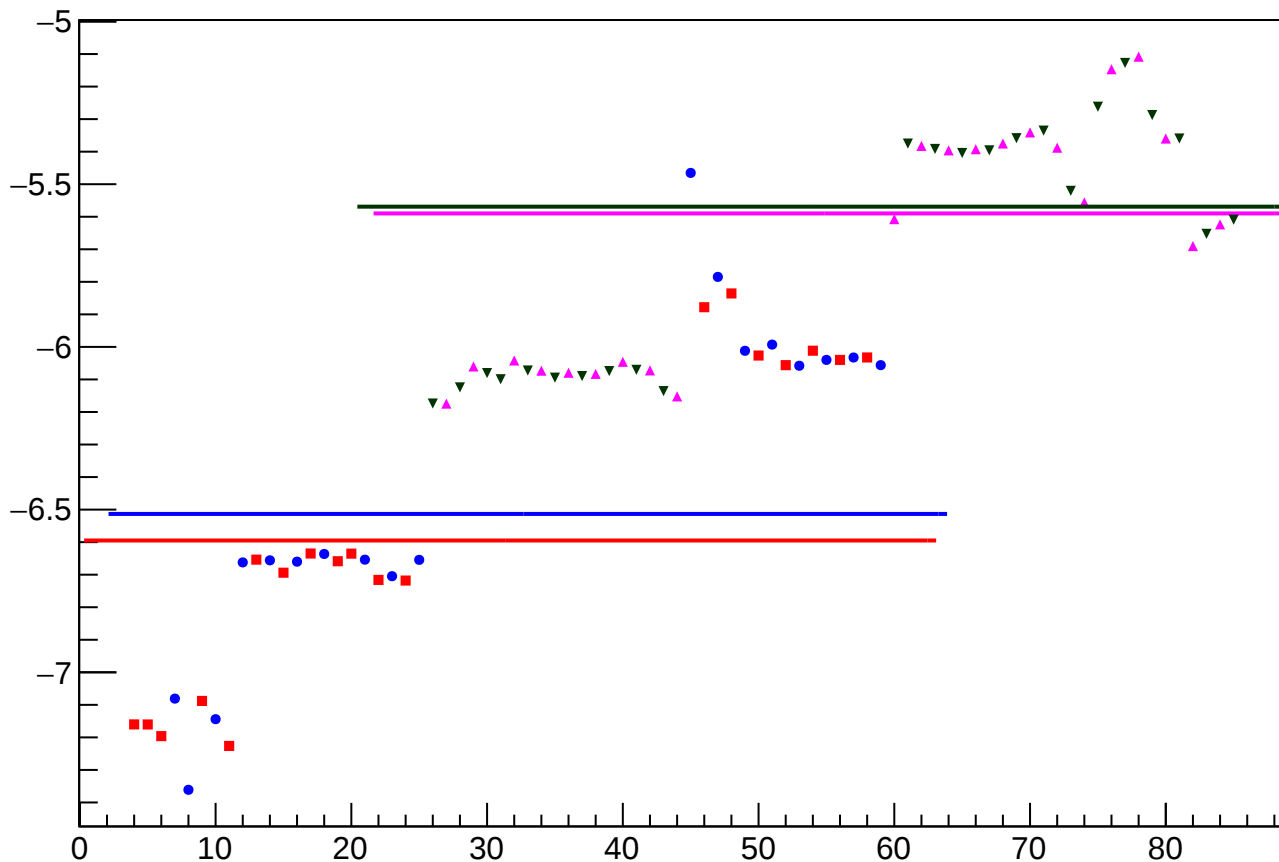
Right Out: 0.009+/-0.000 χ^2/NDF : 159092.9/18

Left In: 0.008+/-0.000 χ^2/NDF : 566217.9/21

0.009+/-0.000 χ^2/NDF : 827659.2/40

0.009+/-0.000 χ^2/NDF : 828174.7/40

yield_bpm0l01Y_mean vs slug



Right In: -6.513+/-0.000 χ^2/NDF : 34103178286.6/17

Left Out: -5.569+/-0.000 χ^2/NDF : 23138446730.5/22

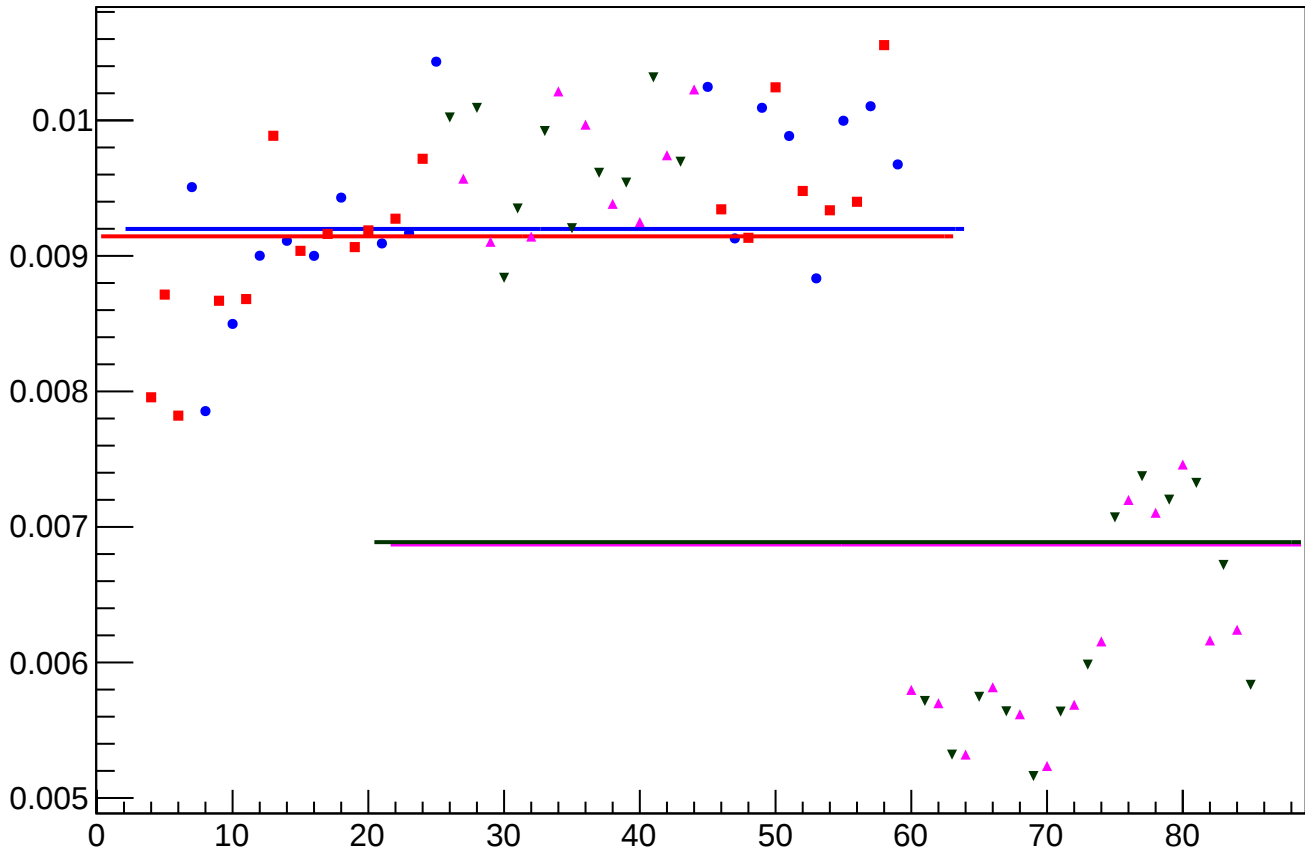
-5.908+/-0.000 χ^2/NDF : 130450612859.6/40

Right Out: -6.595+/-0.000 χ^2/NDF : 25777696502.6/18

-5.913+/-0.000 χ^2/NDF : 127822652950.2/40

Left In: -5.590+/-0.000 χ^2/NDF : 24121312038.1/21

yield_bpm0l01Y_rms vs slug



Right In: 0.009 $\pm$ 0.000 χ^2/NDF : 120528.1/17

Left Out: 0.007 $\pm$ 0.000 χ^2/NDF :1297584.5/22

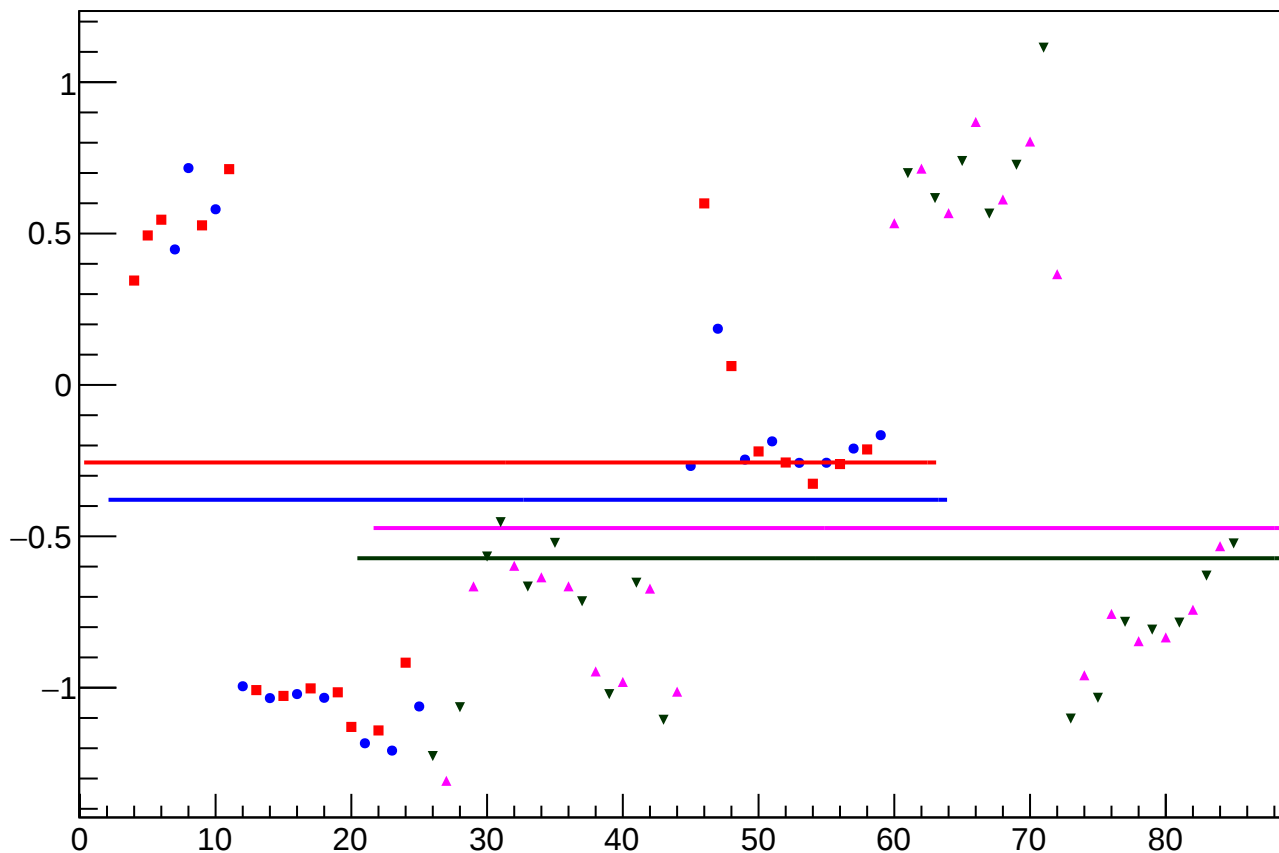
Right Out: 0.009 $\pm$ 0.000 χ^2/NDF : 101222.8/18

Left In: 0.007 $\pm$ 0.000 χ^2/NDF :1298877.5/21

0.008 $\pm$ 0.000 χ^2/NDF : 2295166.8/40

0.008 $\pm$ 0.000 χ^2/NDF : 2197613.7/40

yield_bpm0l02X_mean vs slug



Right In: -0.379+/-0.000 χ^2/NDF : 10136750548.1/17

Left Out: -0.572+/-0.000 χ^2/NDF : 23297669657.7/22

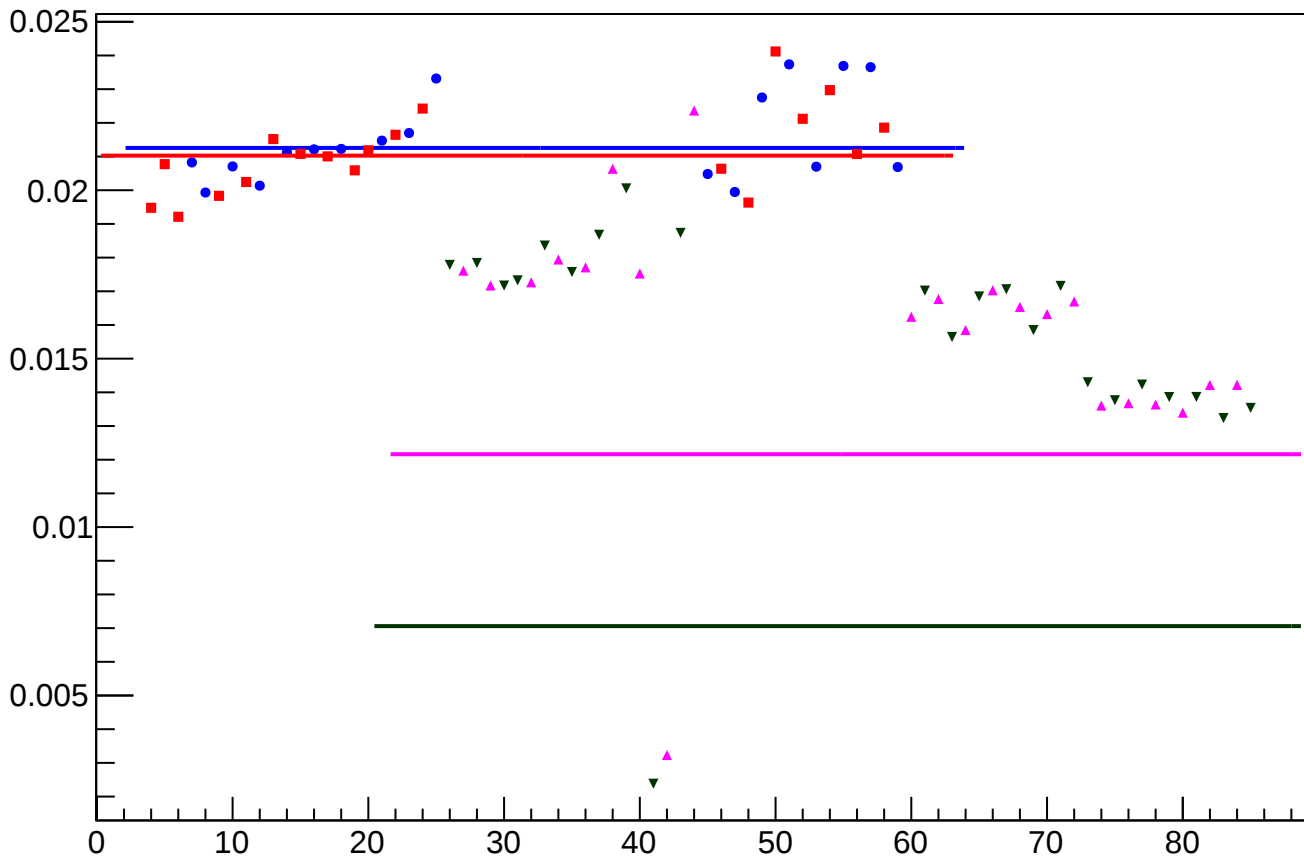
-0.541+/-0.000 χ^2/NDF : 34196326489.3/40

Right Out: -0.256+/-0.000 χ^2/NDF : 10103342122.6/18

-0.417+/-0.000 χ^2/NDF : 32872534826.0/40

Left In: -0.473+/-0.000 χ^2/NDF : 22000390787.5/21

yield_bpm0l02X_rms vs slug



Right In: 0.021+/-0.000 χ^2/NDF : 64142.6/17

Left Out: 0.007+/-0.000 χ^2/NDF : 10738012.5/22

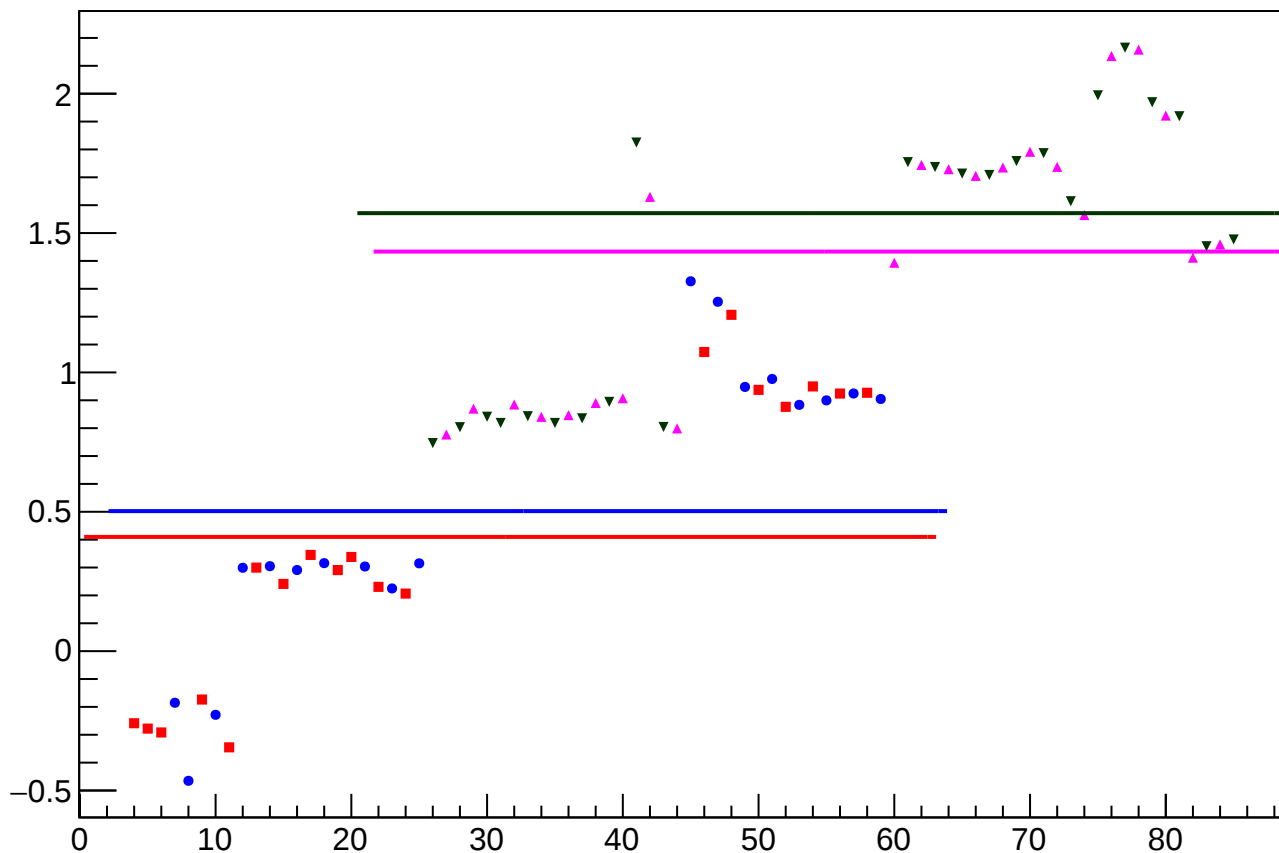
0.009+/-0.000 χ^2/NDF : 19040688.0/40

Right Out: 0.021+/-0.000 χ^2/NDF : 62886.6/18

0.014+/-0.000 χ^2/NDF : 7414597.3/40

Left In: 0.012+/-0.000 χ^2/NDF : 4776423.0/21

yield_bpm0l02Y_mean vs slug



Right In: 0.502 ± 0.000 χ^2/NDF : 19155654908.3/17

Left Out: 1.571 ± 0.000 χ^2/NDF : 26295159195.6/22

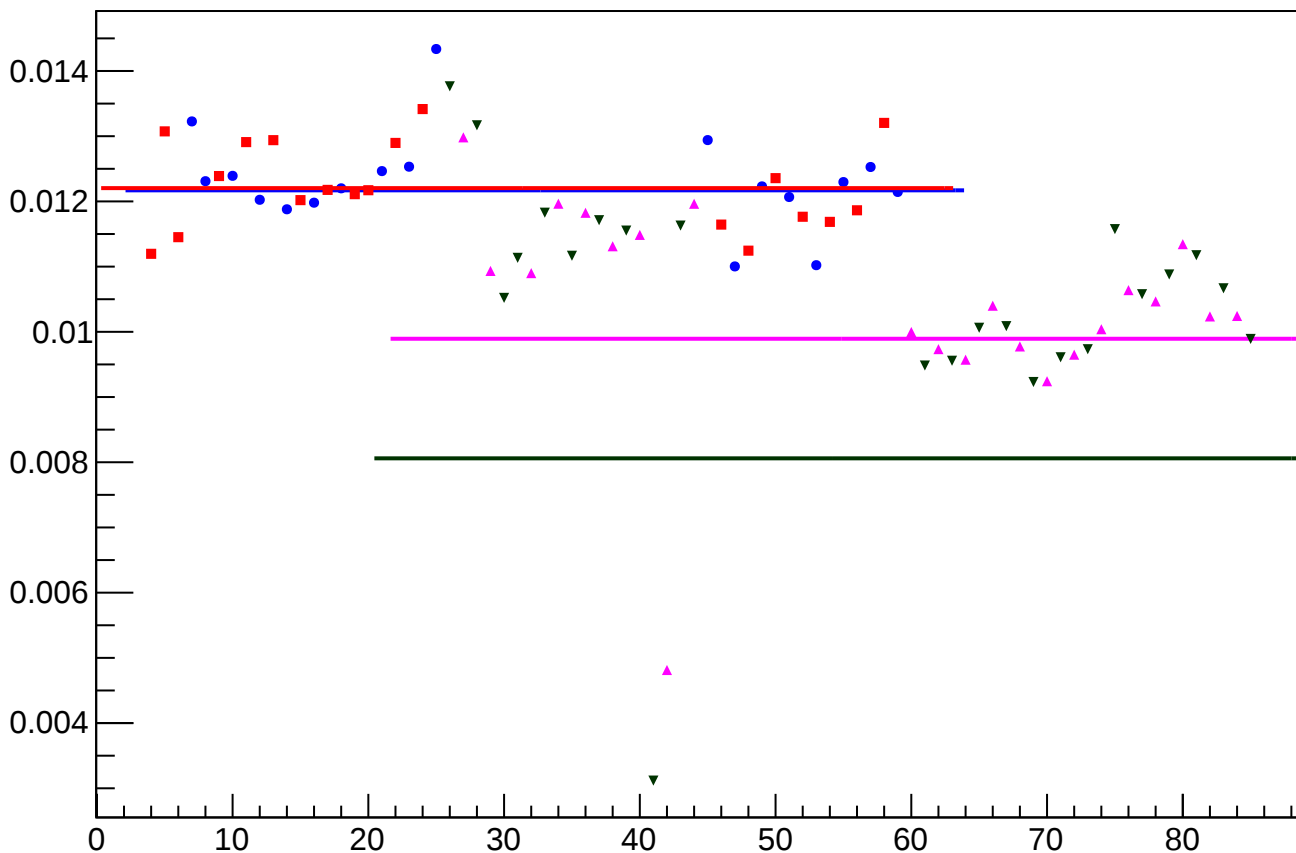
Right Out: 0.410 ± 0.000 χ^2/NDF : 16439315084.0/18

Left In: 1.434 ± 0.000 χ^2/NDF : 21833716295.7/21

1.215 ± 0.000 χ^2/NDF : 101778335633.9/40

1.069 ± 0.000 χ^2/NDF : 81846671342.4/40

yield_bpm0l02Y_rms vs slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 45604.3/17

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 4026665.7/22

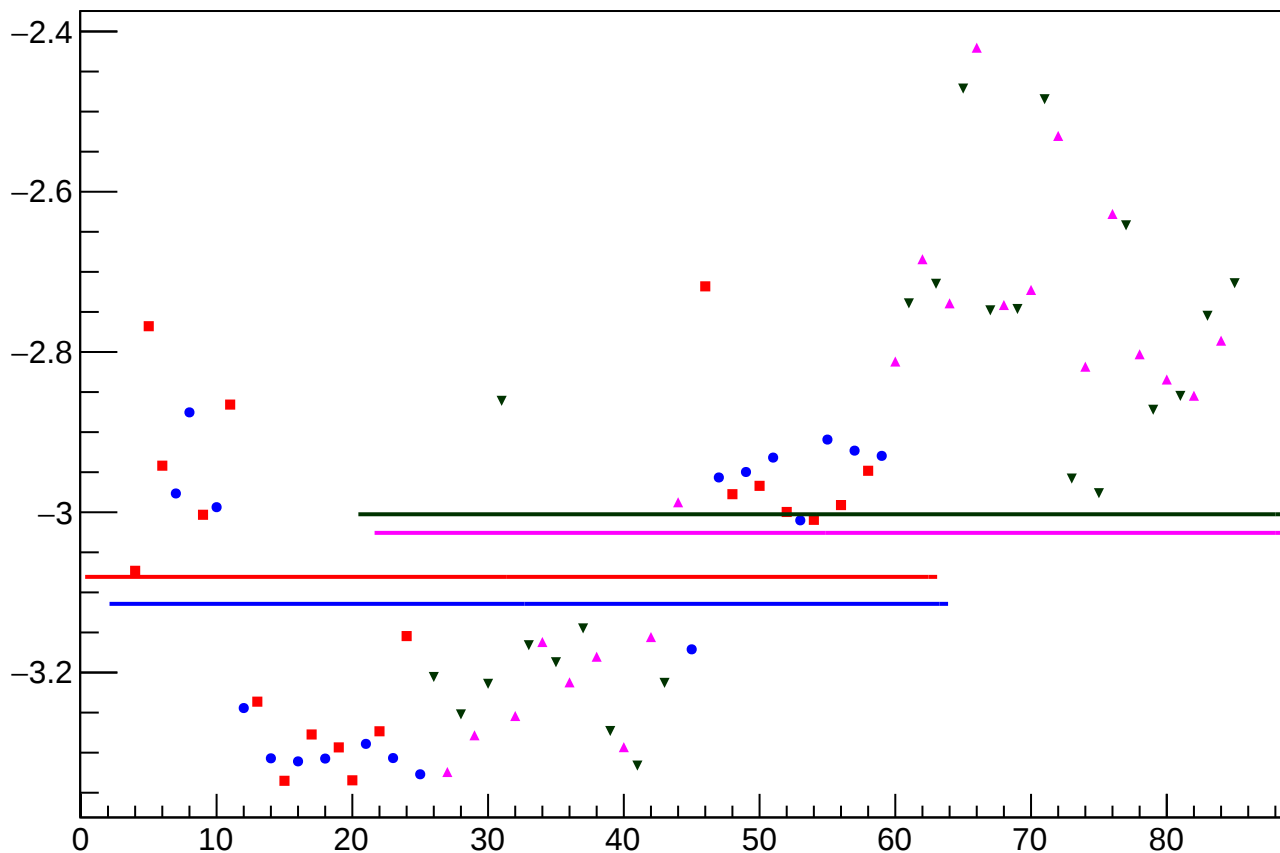
Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 53181.0/18

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1021215.4/21

0.009 $\pm$ 0.000 χ^2 /NDF: 5737415.8/40

0.011 $\pm$ 0.000 χ^2 /NDF: 1518121.9/40

yield_bpm0l03X_mean vs slug



Right In: -3.114+/-0.000 χ^2/NDF : 4627659924.1/17

Left Out: -3.003+/-0.000 χ^2/NDF :12494681083.7/22

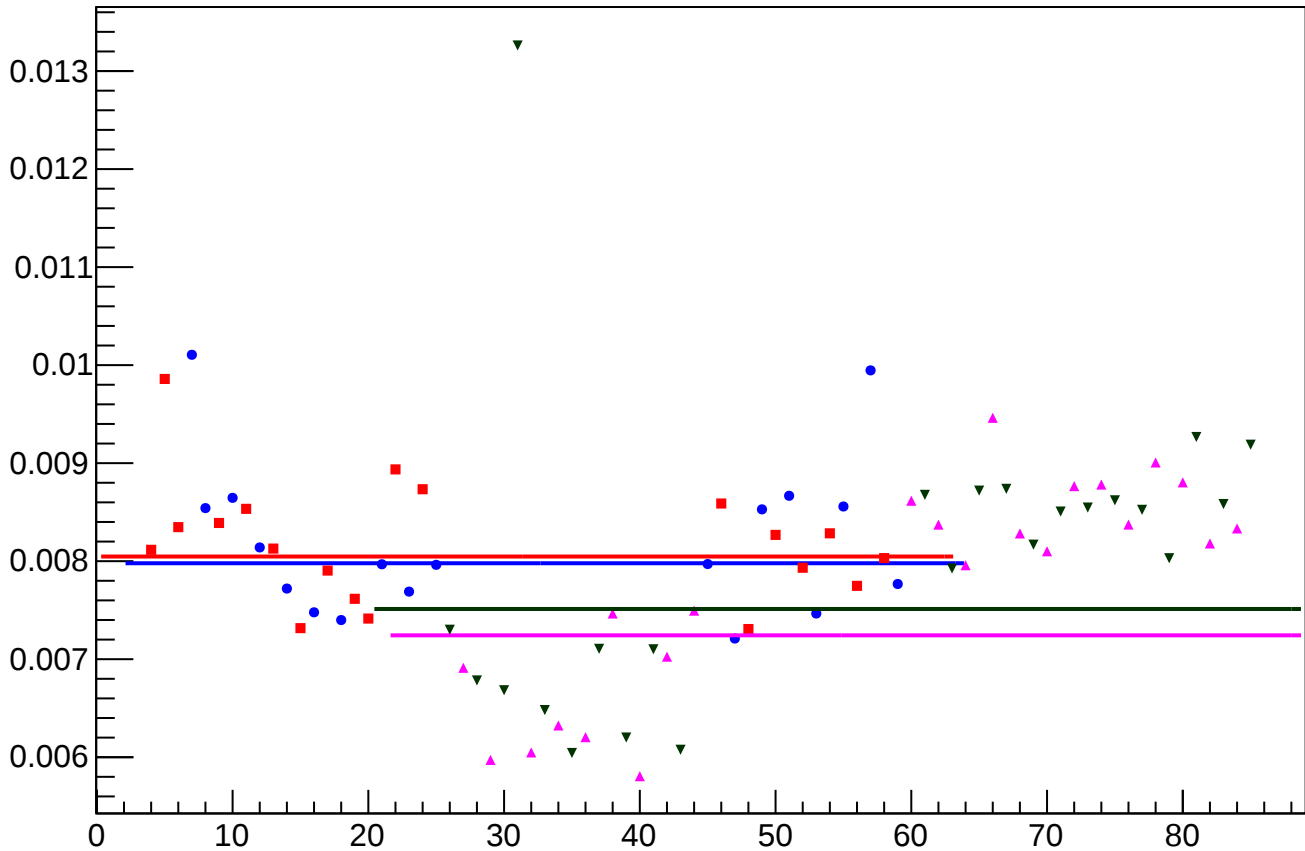
Right Out: -3.081+/-0.000 χ^2/NDF : 3839311184.0/18

Left In: -3.026+/-0.000 χ^2/NDF :14225152482.0/21

-3.053+/-0.000 χ^2/NDF : 18150559905.9/40

-3.047+/-0.000 χ^2/NDF : 18301304798.1/40

yield_bpm0l03X_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 95241.7/17

Left Out: 0.008+/-0.000 χ^2/NDF : 508333.6/22

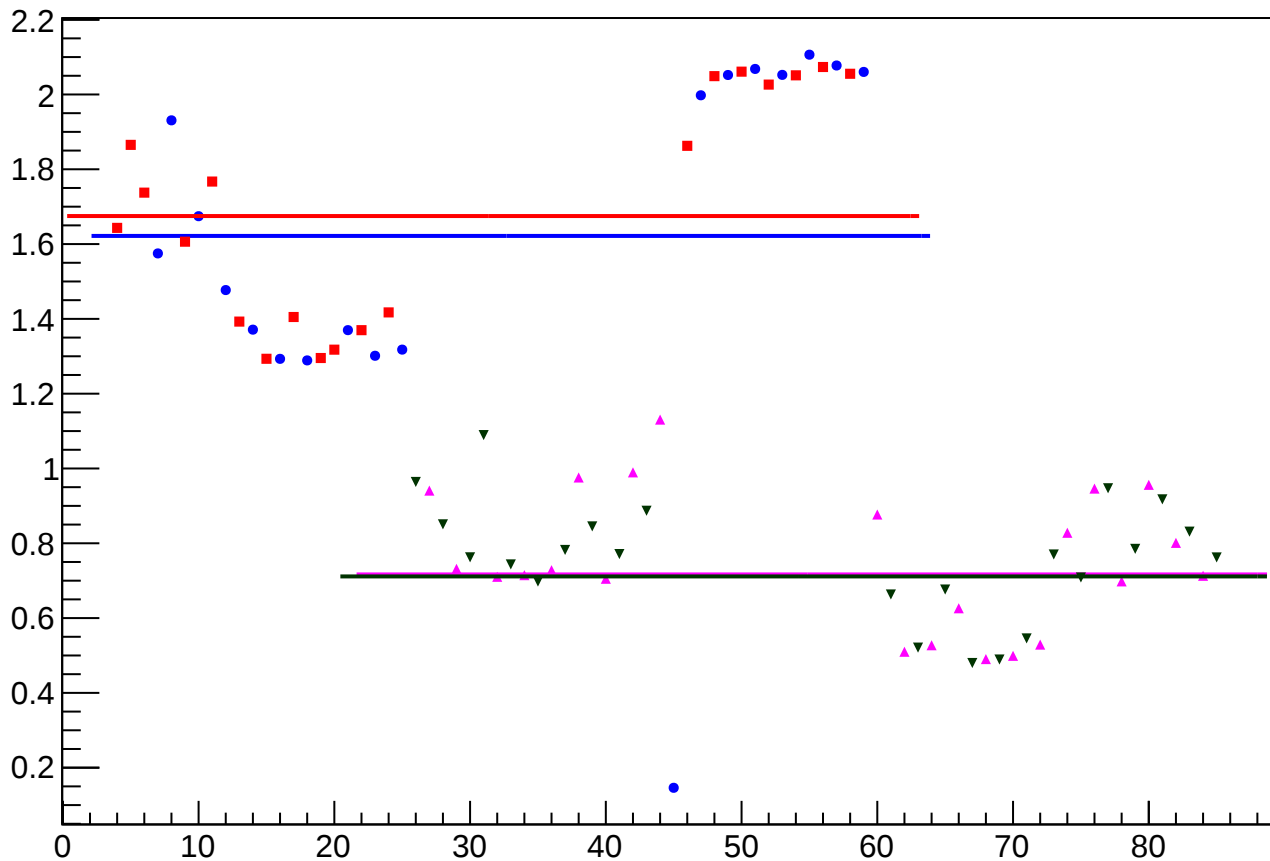
Right Out: 0.008+/-0.000 χ^2/NDF : 57509.8/18

Left In: 0.007+/-0.000 χ^2/NDF : 510752.0/21

0.008+/-0.000 χ^2/NDF : 639414.0/40

0.008+/-0.000 χ^2/NDF : 669810.8/40

yield_bpm0l03Y_mean vs slug



Right In: 1.622 $\pm$ 0.000 χ^2 /NDF: 26006902897.9/17

Left Out: 0.711 $\pm$ 0.000 χ^2 /NDF: 4290512103.2/22

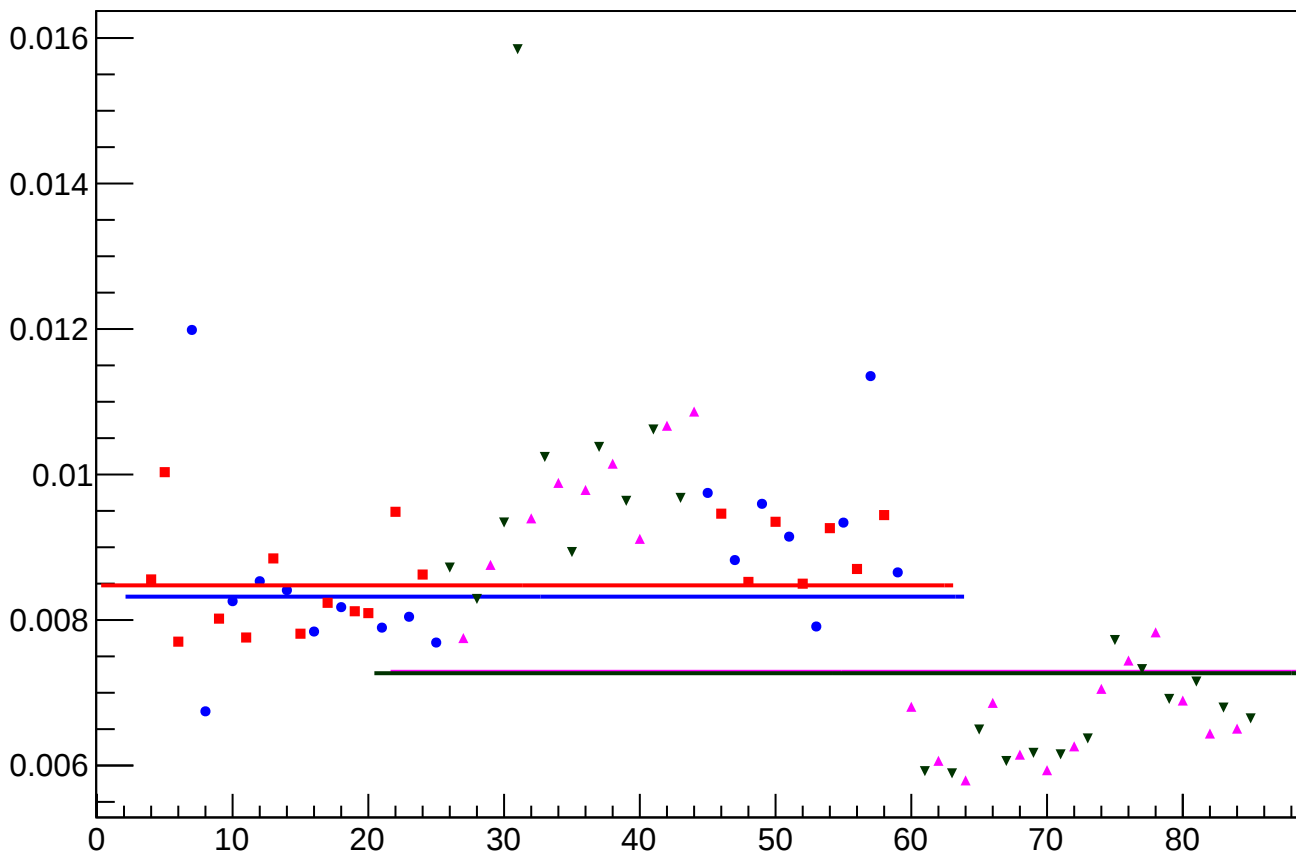
Right Out: 1.675 $\pm$ 0.000 χ^2 /NDF: 9809193440.2/18

Left In: 0.717 $\pm$ 0.000 χ^2 /NDF: 5960900967.9/21

1.093 $\pm$ 0.000 χ^2 /NDF: 95362583803.4/40

1.073 $\pm$ 0.000 χ^2 /NDF: 81472107318.1/40

yield_bpm0l03Y_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 231289.2/17

Left Out: 0.007+/-0.000 χ^2/NDF : 885747.1/22

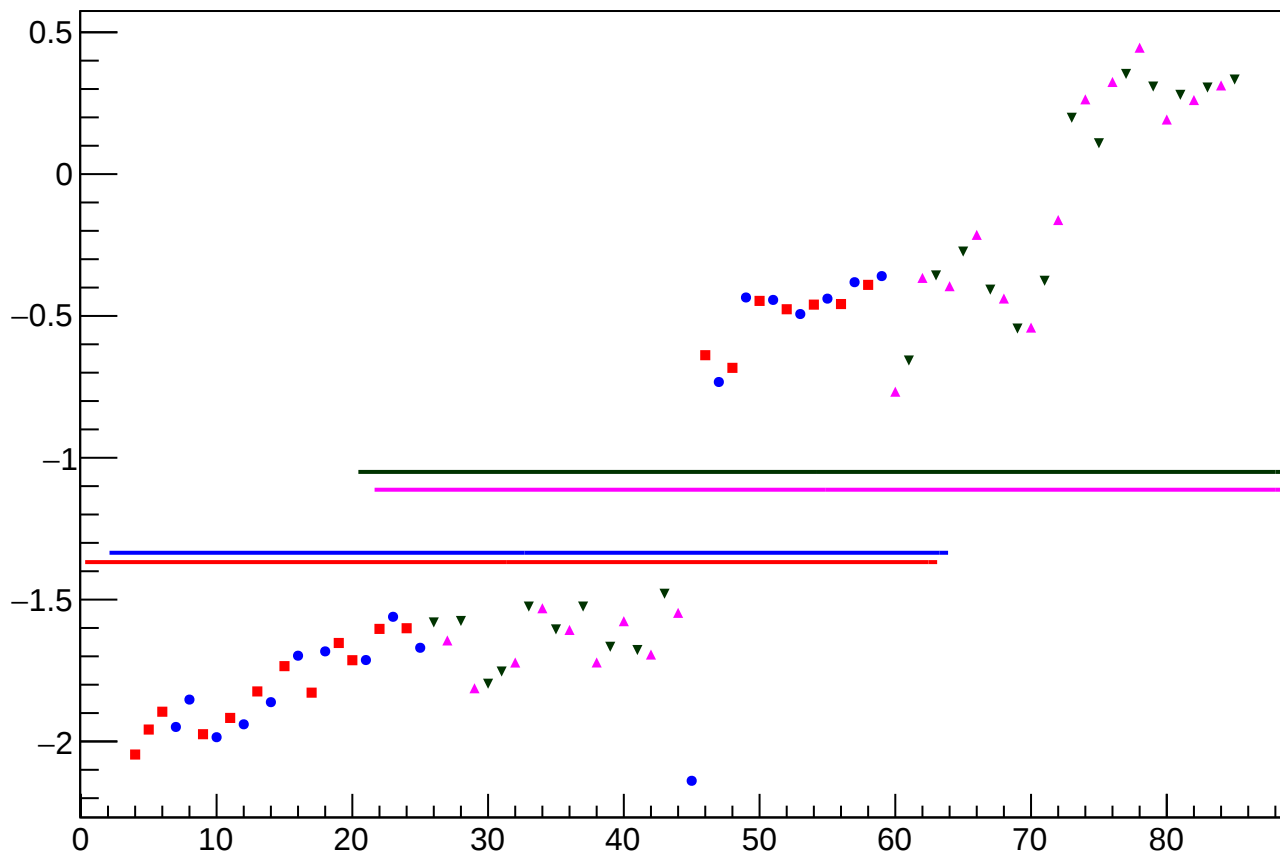
Right Out: 0.008+/-0.000 χ^2/NDF : 80155.6/18

Left In: 0.007+/-0.000 χ^2/NDF : 774574.3/21

0.008+/-0.000 χ^2/NDF : 1290941.5/40

0.008+/-0.000 χ^2/NDF : 1056733.6/40

yield_bpm0l04X_mean vs slug



Right In: -1.335+/-0.000 χ^2/NDF : 38397269291.9/17

Left Out: -1.050+/-0.000 χ^2/NDF : 35201457444.5/22

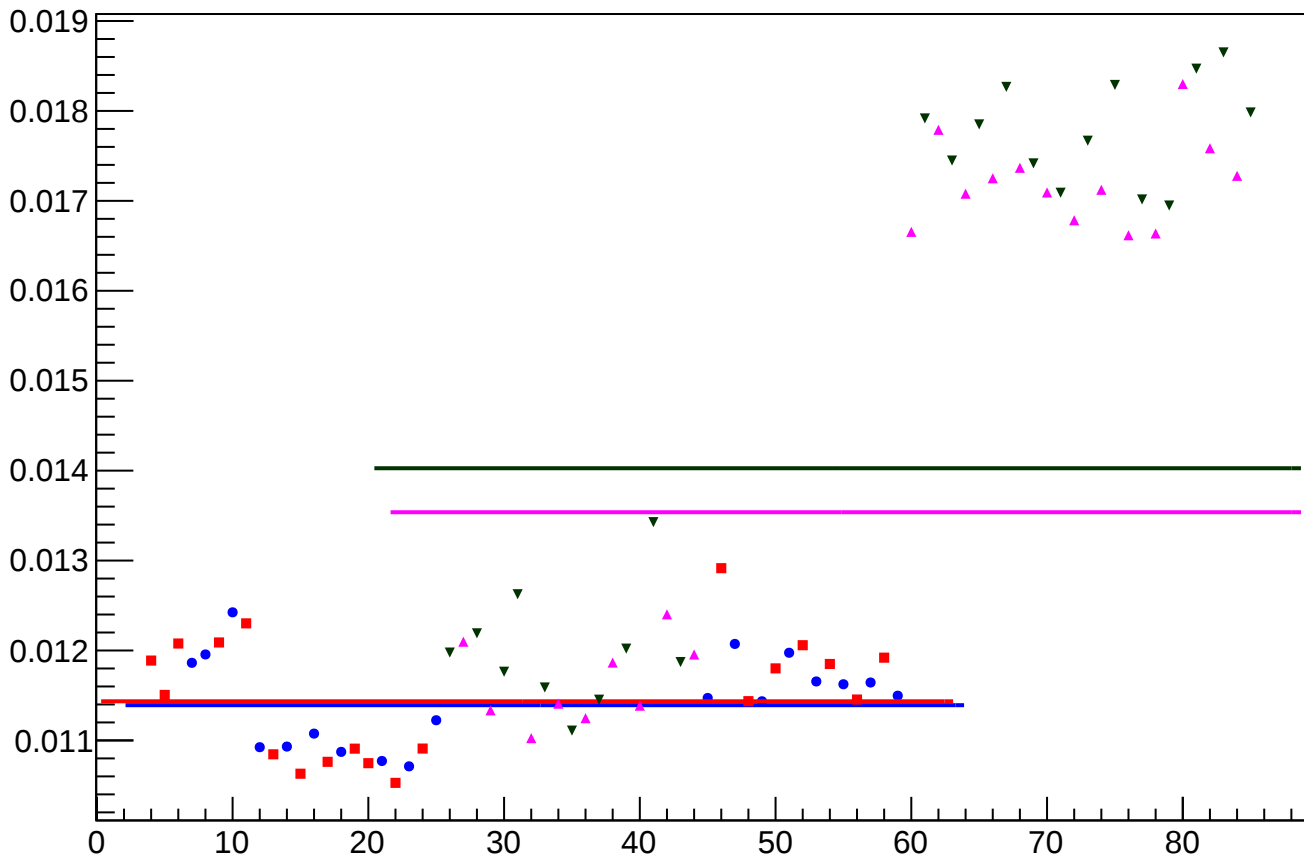
Right Out: -1.368+/-0.000 χ^2/NDF : 29057521992.7/18

Left In: -1.113+/-0.000 χ^2/NDF : 40186113993.9/21

-1.221+/-0.000 χ^2/NDF : 76385945175.1/40

-1.250+/-0.000 χ^2/NDF : 71491036606.8/40

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 : 919438.7/22

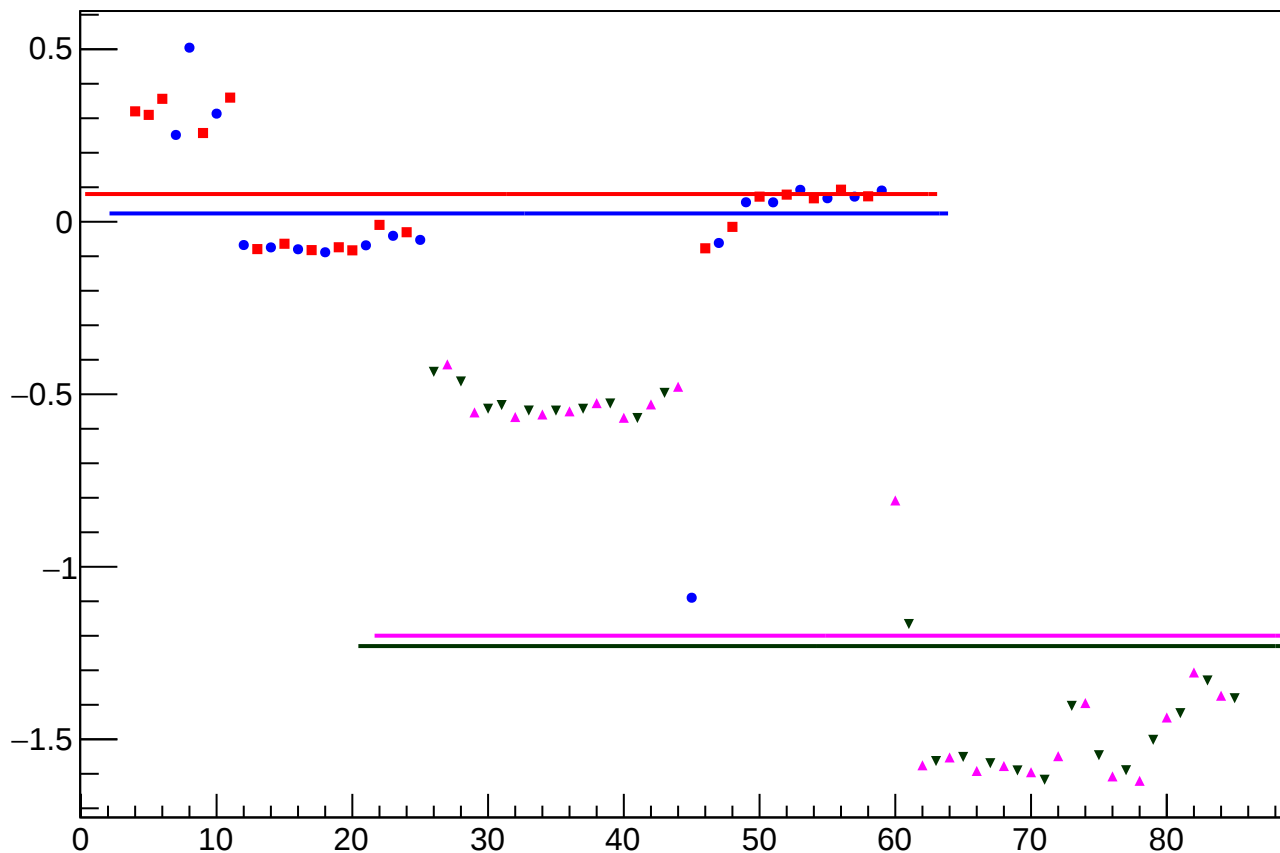
Right Out: 0.011+/-0.000 χ^2/NDF : 65676.1/18

Left In: 0.014+/-0.000 χ^2/NDF : 939393.2/21

0.012+/-0.000 χ^2/NDF : 1437809.2/40

0.012+/-0.000 χ^2/NDF : 1310218.3/40

yield_bpm0l04Y_mean vs slug



Right In: 0.024+/-0.000 χ^2/NDF : 18234538167.9/17

Left Out: -1.230+/-0.000 χ^2/NDF : 57819319047.2/22

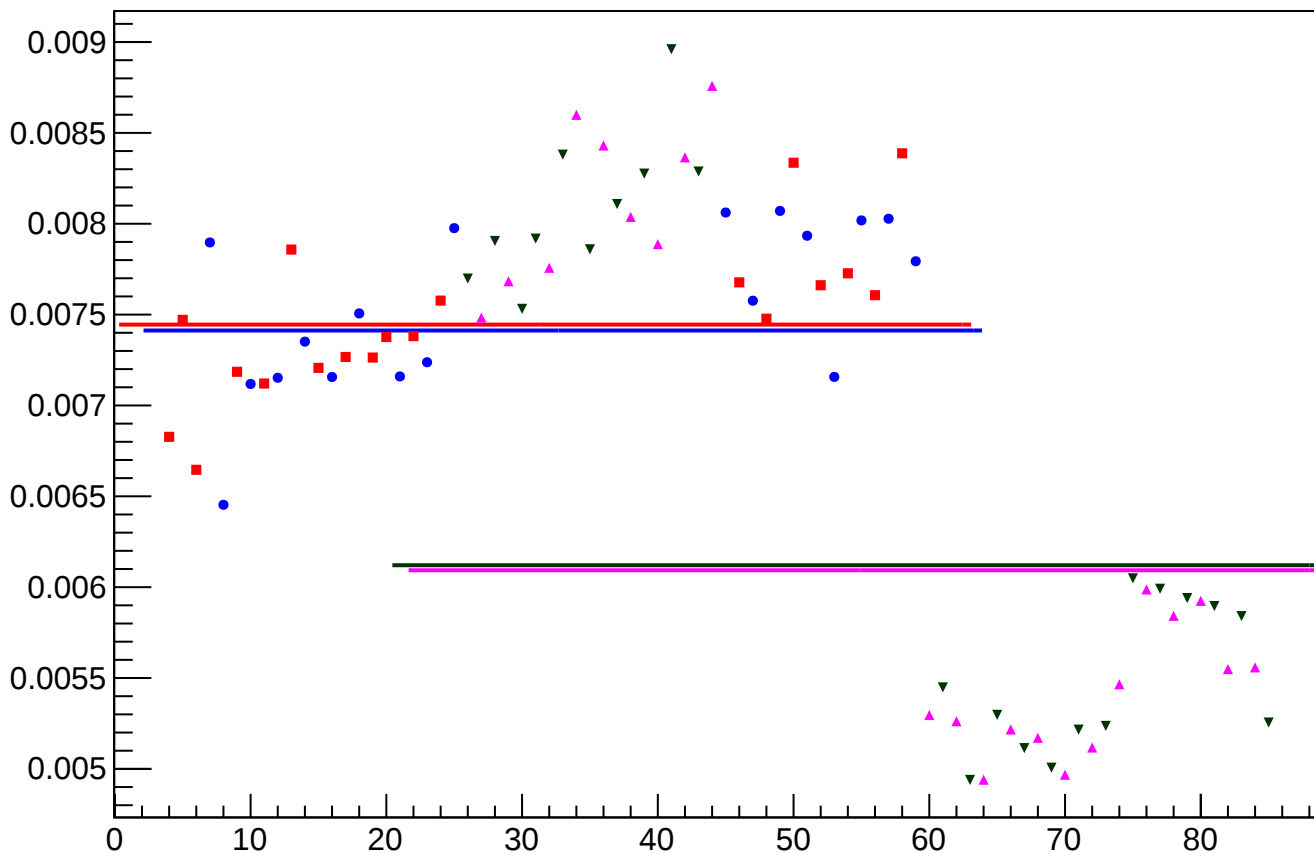
Right Out: 0.080+/-0.000 χ^2/NDF : 4561023053.2/18

Left In: -1.200+/-0.000 χ^2/NDF : 65737128435.4/21

-0.727+/-0.000 χ^2/NDF : 262772062570.4/40

-0.743+/-0.000 χ^2/NDF : 252283441274.0/40

yield_bpm0l04Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 91120.7/17

Left Out: 0.006+/-0.000 χ^2/NDF : 899373.8/22

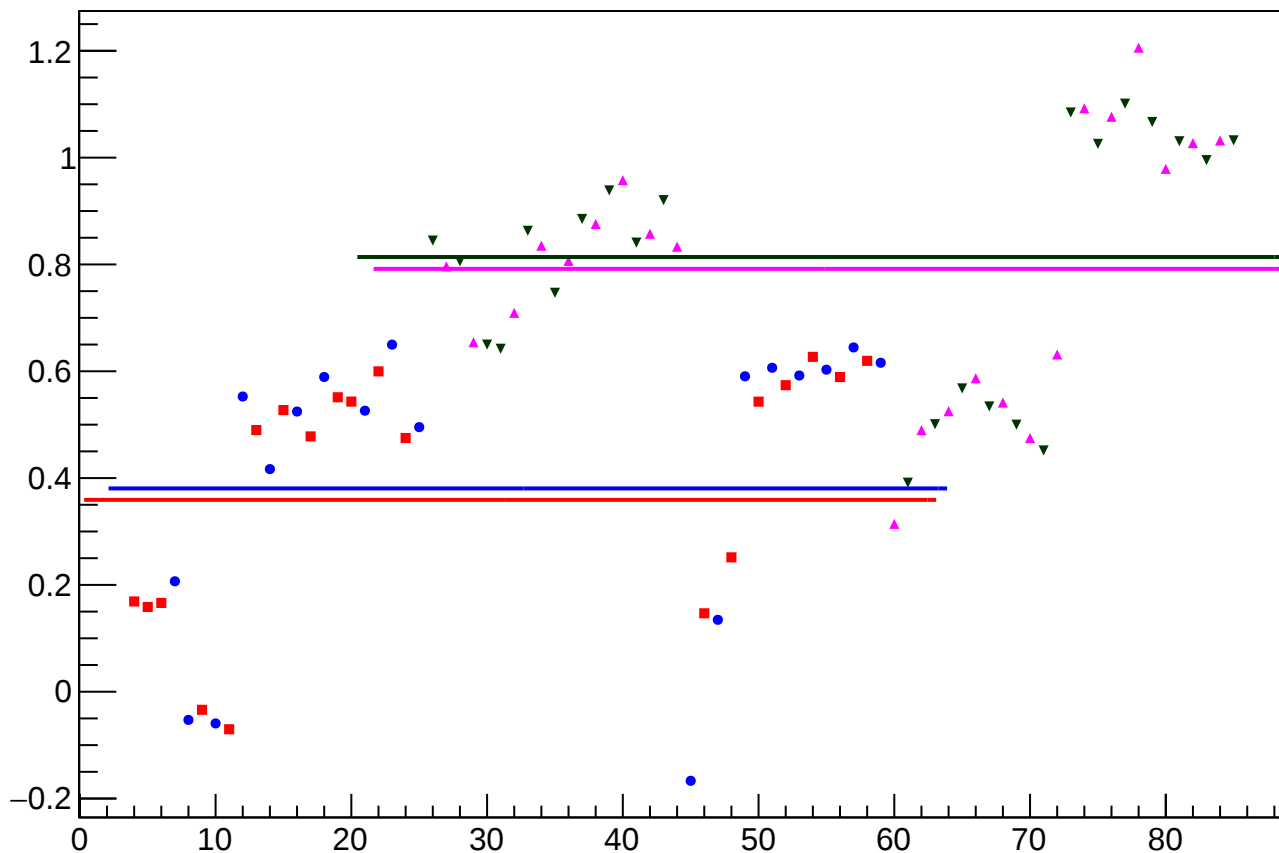
Right Out: 0.007+/-0.000 χ^2/NDF : 61122.7/18

Left In: 0.006+/-0.000 χ^2/NDF : 929959.7/21

0.007+/-0.000 χ^2/NDF : 1386819.6/40

0.007+/-0.000 χ^2/NDF : 1397133.9/40

yield_bpm0l05X_mean vs slug



Right In: 0.381 ± 0.000 $\chi^2/\text{NDF}: 17766233664.3/17$

Left Out: 0.814 ± 0.000 $\chi^2/\text{NDF}: 10606254784.2/22$

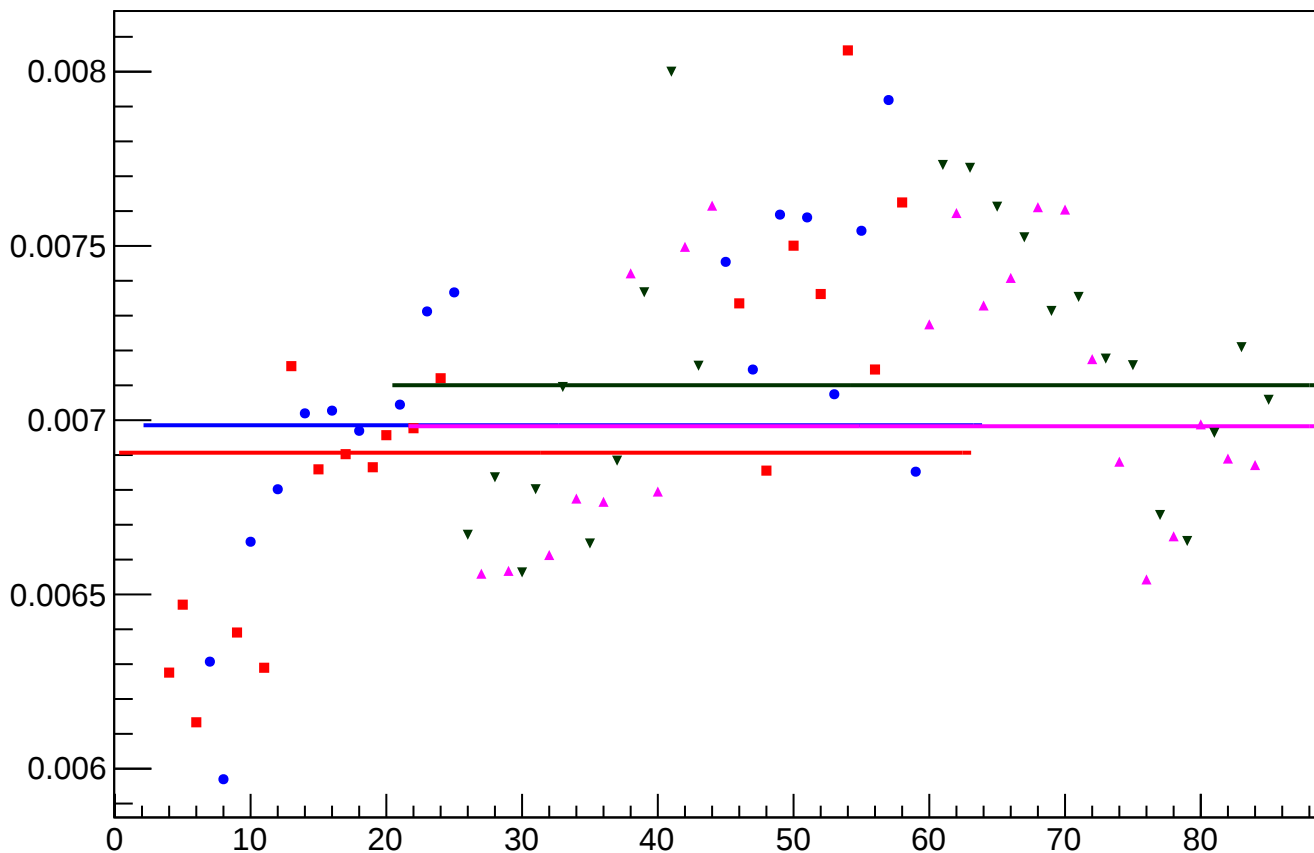
Right Out: 0.359 ± 0.000 $\chi^2/\text{NDF}: 11904326957.3/18$

Left In: 0.792 ± 0.000 $\chi^2/\text{NDF}: 12080818427.6/21$

0.600 ± 0.000 $\chi^2/\text{NDF}: 49756311607.4/40$

0.597 ± 0.000 $\chi^2/\text{NDF}: 44848509395.5/40$

yield_bpm0l05X_rms vs slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 107156.0/17

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:67012.1/22

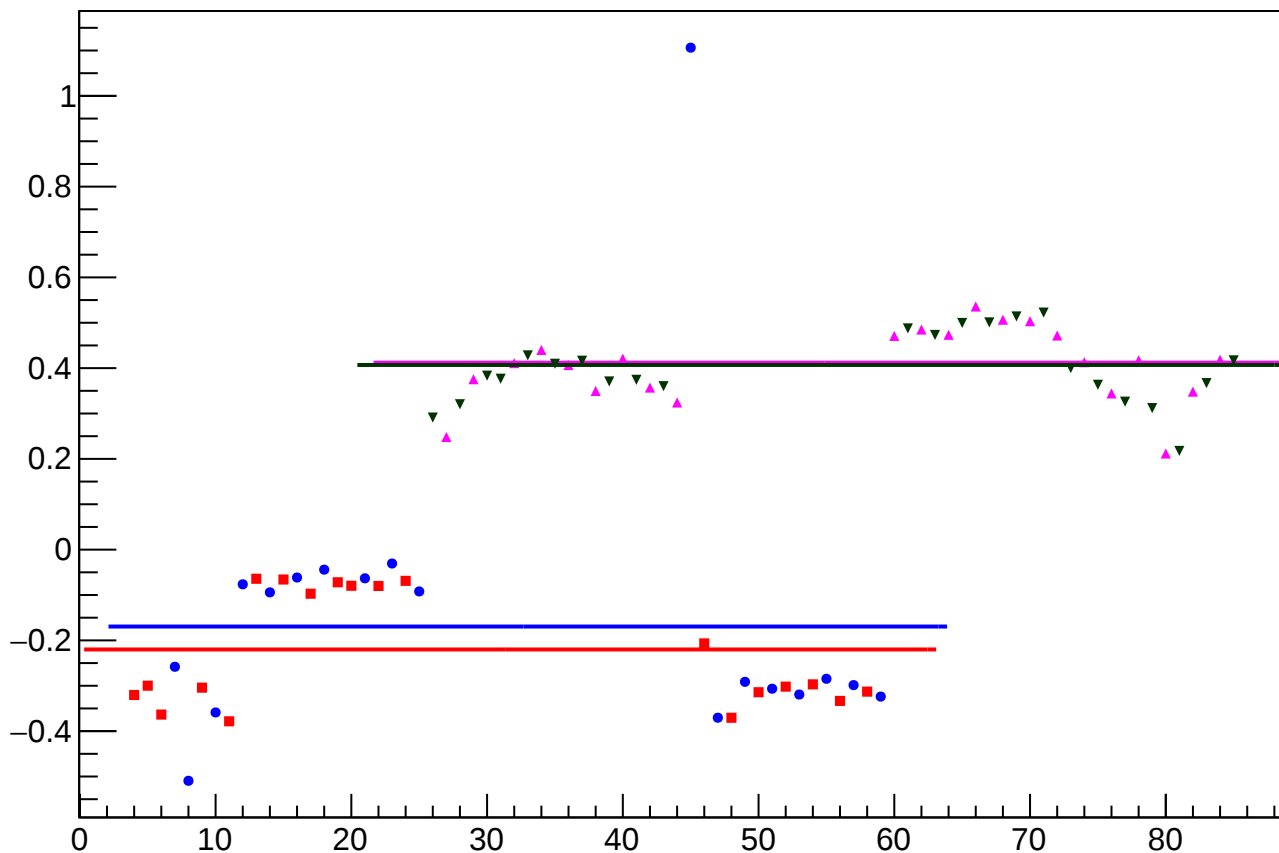
Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 97555.6/18

Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:73102.7/21

0.007 $\pm$ 0.000 χ^2 /NDF: 177174.1/40

0.007 $\pm$ 0.000 χ^2 /NDF: 171944.5/40

yield_bpm0l05Y_mean vs slug



Right In: -0.169+/-0.000 χ^2/NDF : 37135565875.9/17

Left Out: 0.407+/-0.000 χ^2/NDF :3191952910.0/22

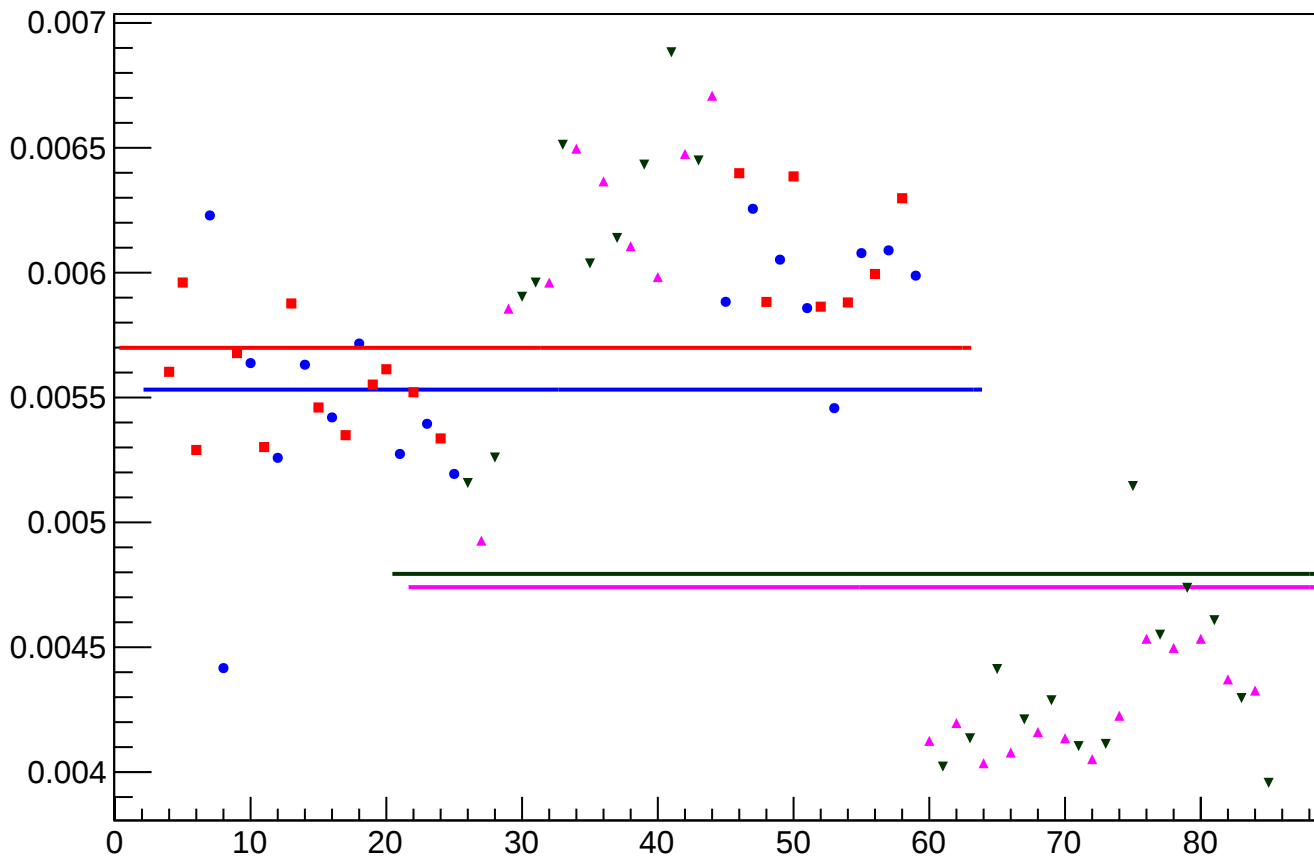
Right Out: -0.220+/-0.000 χ^2/NDF : 4721801975.9/18

Left In: 0.412+/-0.000 χ^2/NDF :3797405928.9/21

0.164+/-0.000 χ^2/NDF : 107997904636.3/40

0.183+/-0.000 χ^2/NDF : 83096445302.5/40

yield_bpm0l05Y_rms vs slug



Right In: 0.006+/-0.000 χ^2/NDF : 186989.4/17

Left Out: 0.005+/-0.000 χ^2/NDF : 704946.9/22

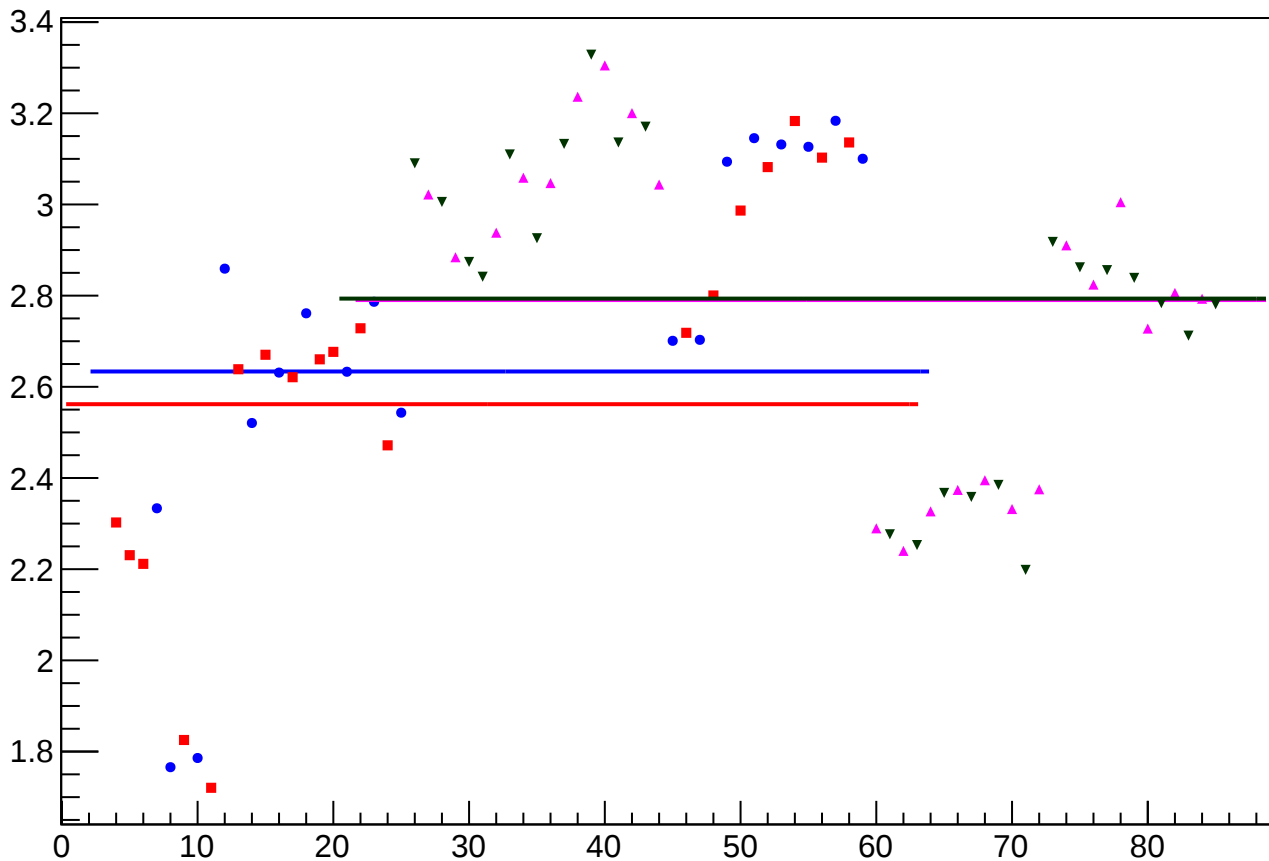
Right Out: 0.006+/-0.000 χ^2/NDF : 66415.4/18

Left In: 0.005+/-0.000 χ^2/NDF : 721637.0/21

0.005+/-0.000 χ^2/NDF : 1113718.5/40

0.005+/-0.000 χ^2/NDF : 1130972.3/40

yield_bpm0l06X_mean vs slug



Right In: 2.634+/-0.000 χ^2/NDF : 15879791998.3/17

Left Out: 2.794+/-0.000 χ^2/NDF : 12952780570.2/22

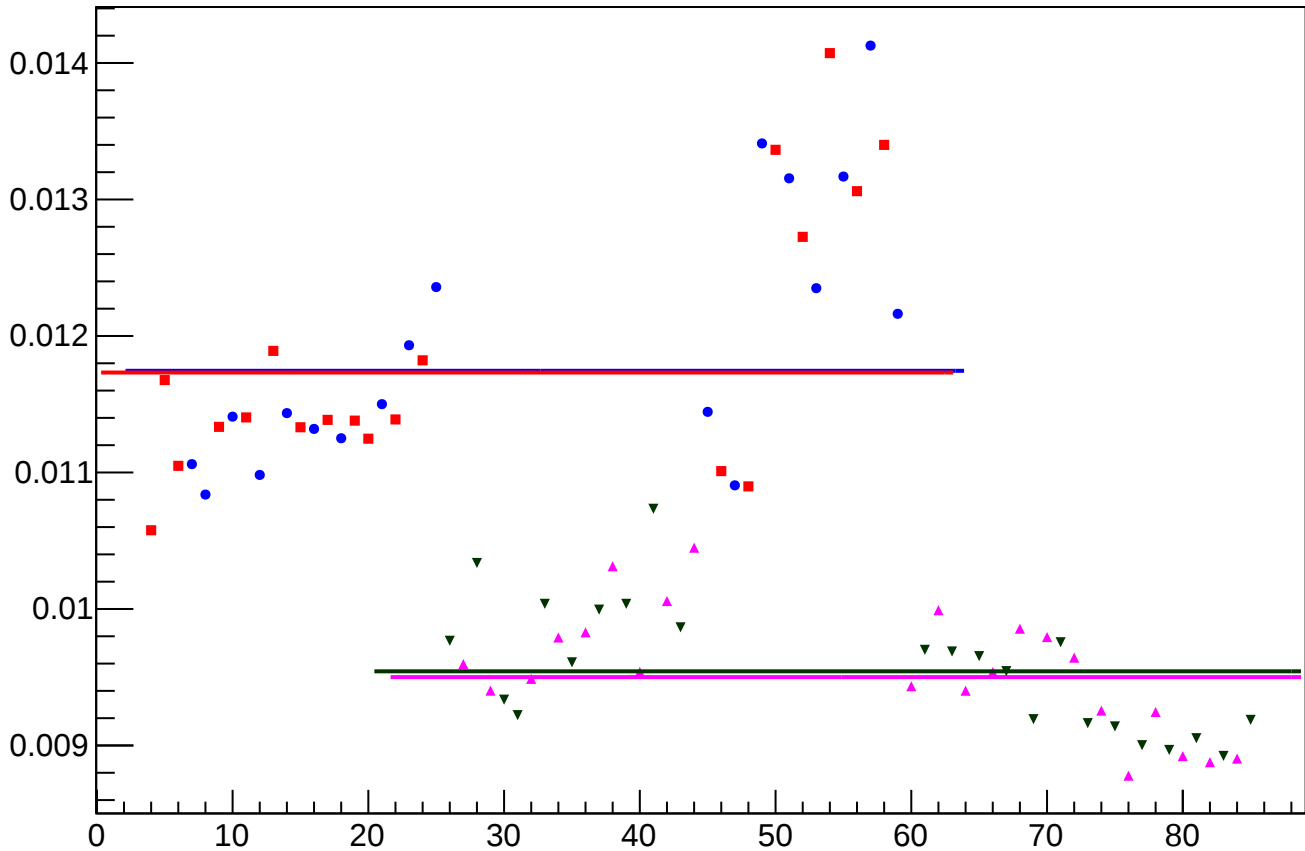
2.733+/-0.000 χ^2/NDF : 30085689980.2/40

Right Out: 2.562+/-0.000 χ^2/NDF : 12349960173.0/18

2.712+/-0.000 χ^2/NDF : 27956198935.7/40

Left In: 2.790+/-0.000 χ^2/NDF : 13213144006.5/21

yield_bpm0l06X_rms vs slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 117347.2/17

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:55784.8/22

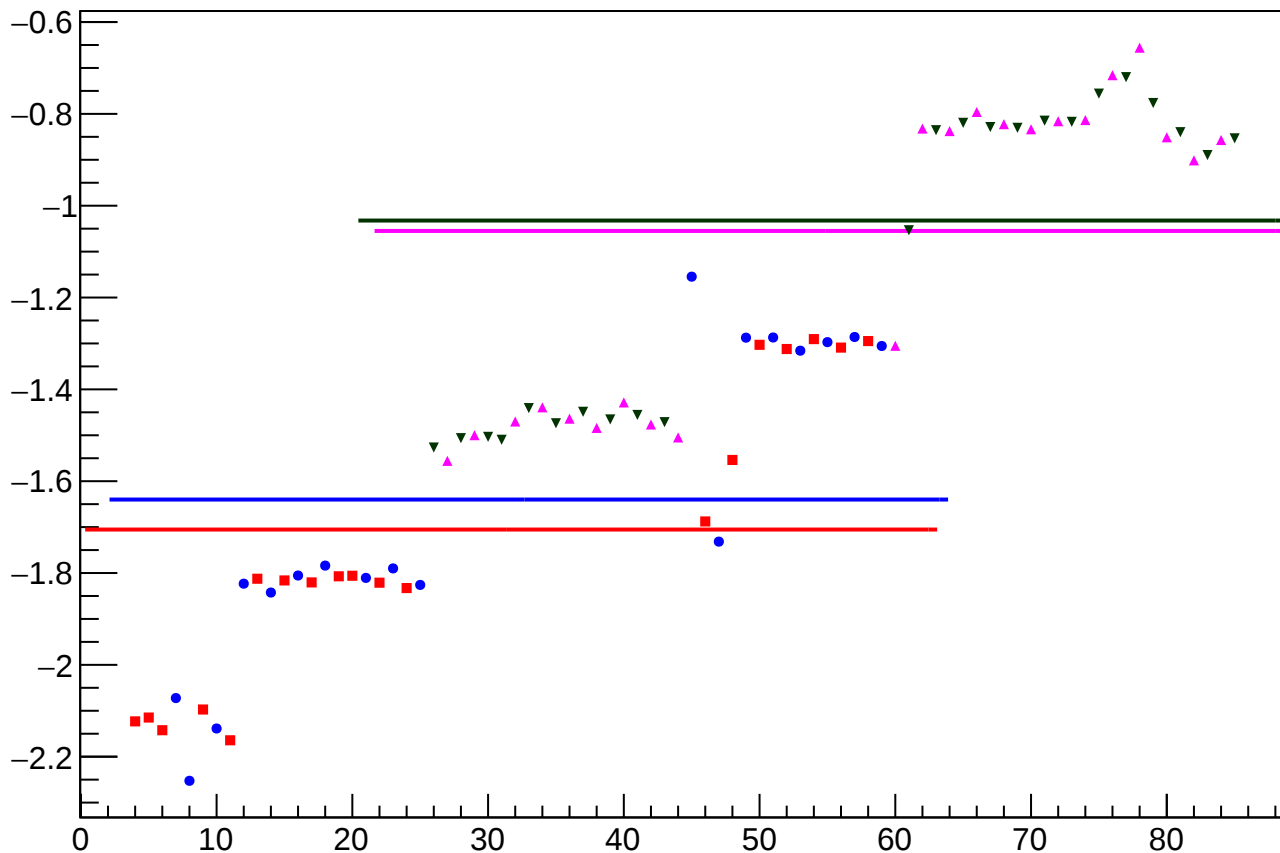
0.010 $\pm$ 0.000 χ^2 /NDF: 648535.1/40

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 107336.5/18

0.010 $\pm$ 0.000 χ^2 /NDF: 612262.9/40

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:48195.3/21

yield_bpm0l06Y_mean vs slug



Right In: -1.640 ± 0.000 χ^2/NDF : 63862011114.5/17

Left Out: -1.032 ± 0.000 χ^2/NDF : 53416855768.2/22

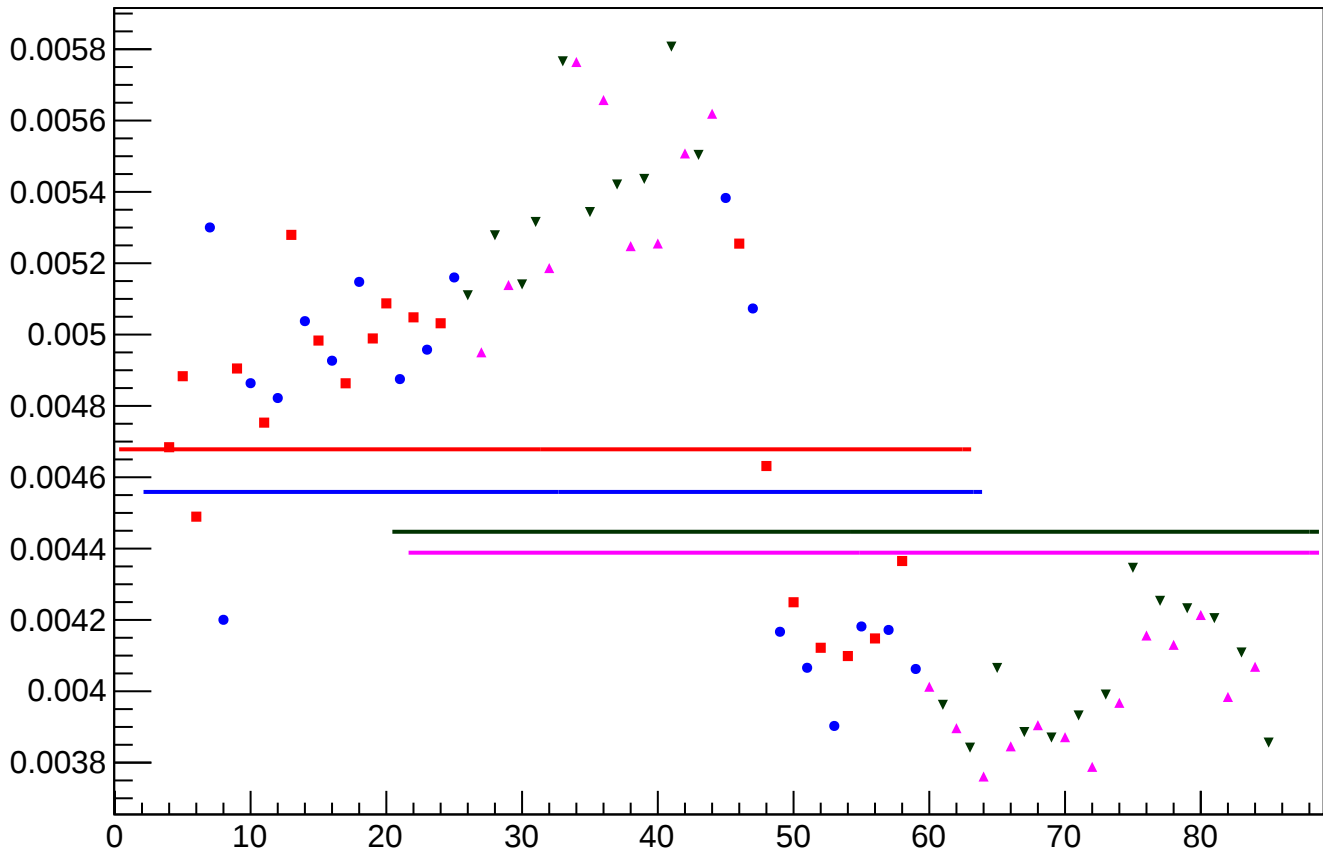
Right Out: -1.705 ± 0.000 χ^2/NDF : 45414052250.2/18

Left In: -1.055 ± 0.000 χ^2/NDF : 62929800597.1/21

-1.322 ± 0.000 χ^2/NDF : 218123157751.6/40

-1.326 ± 0.000 χ^2/NDF : 216278542938.8/40

yield_bpm0l06Y_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 228593.7/17

Left Out: 0.004+/-0.000 χ^2/NDF : 497198.9/22

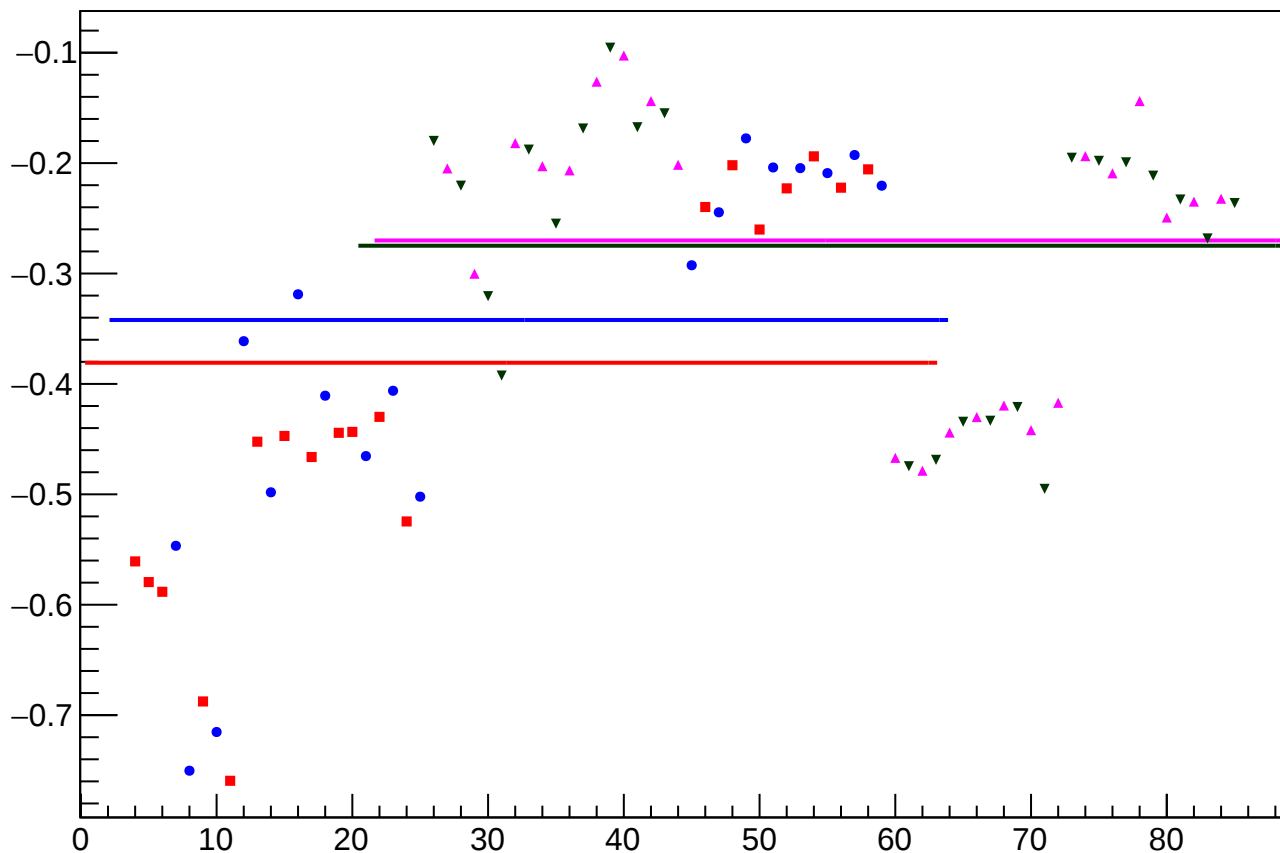
Right Out: 0.005+/-0.000 χ^2/NDF : 136426.0/18

Left In: 0.004+/-0.000 χ^2/NDF : 513739.4/21

0.005+/-0.000 χ^2/NDF : 732601.2/40

0.005+/-0.000 χ^2/NDF : 693034.7/40

yield_bpm0l07X_mean vs slug



Right In: -0.342+/-0.000 χ^2/NDF : 1669772673.5/17

Left Out: -0.275+/-0.000 χ^2/NDF : 775378888.5/22

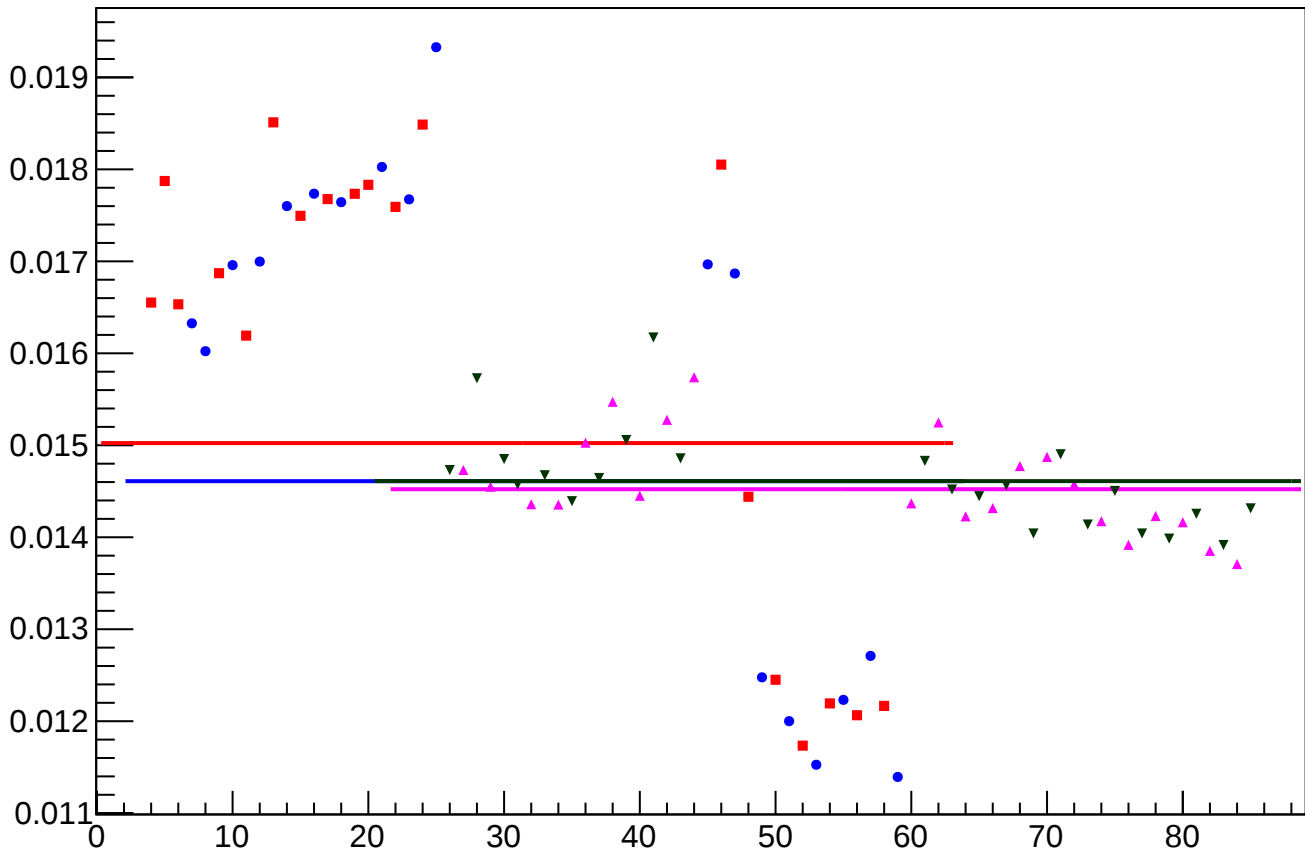
Right Out: -0.381+/-0.000 χ^2/NDF : 1387002500.9/18

Left In: -0.270+/-0.000 χ^2/NDF : 793985093.1/21

-0.307+/-0.000 χ^2/NDF : 2564035376.2/40

-0.316+/-0.000 χ^2/NDF : 2476884123.7/40

yield_bpm0l07X_rms vs slug



Right In: 0.015+/-0.000 χ^2/NDF : 711926.7/17

Left Out: 0.015+/-0.000 χ^2/NDF : 30648.3/22

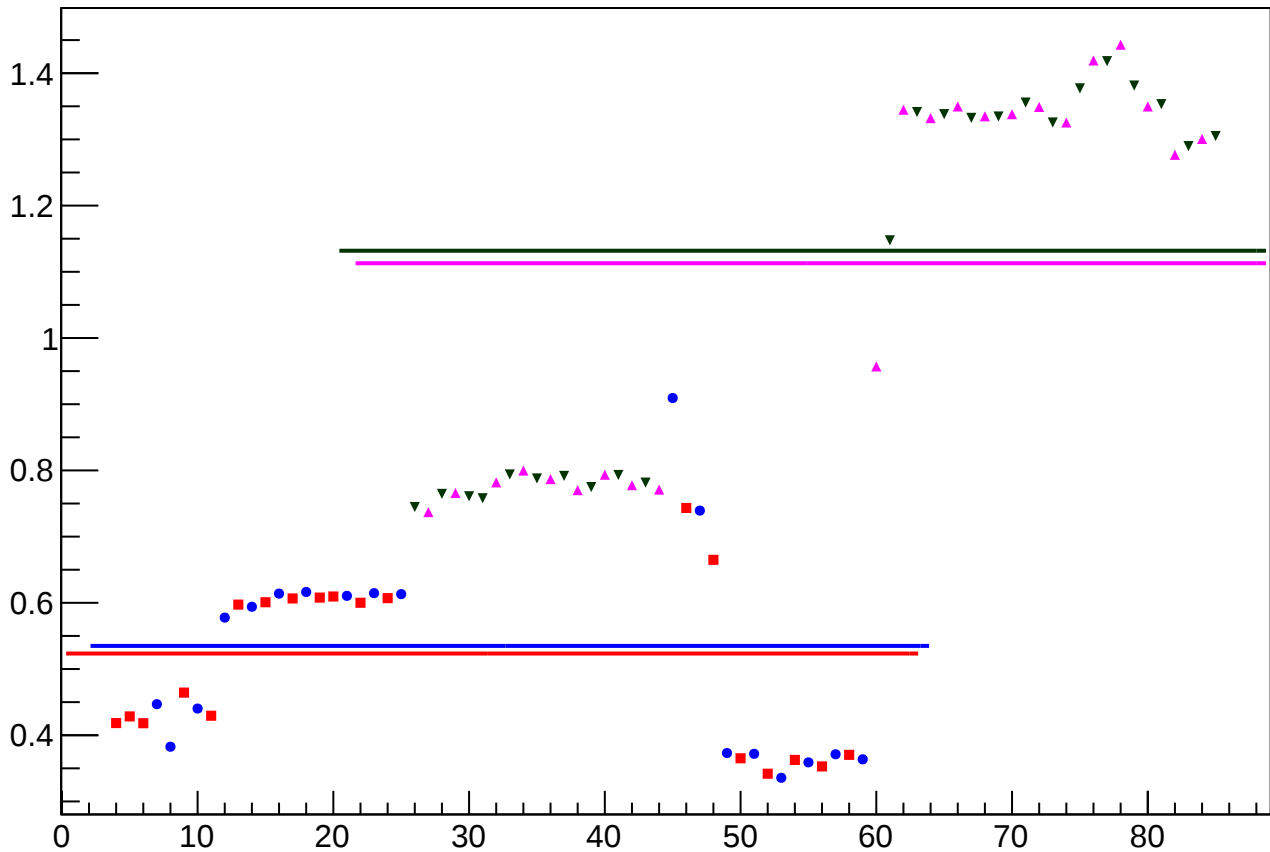
Right Out: 0.015+/-0.000 χ^2/NDF : 573783.3/18

Left In: 0.015+/-0.000 χ^2/NDF : 28162.2/21

0.015+/-0.000 χ^2/NDF : 742575.0/40

0.015+/-0.000 χ^2/NDF : 614086.1/40

yield_bpm0l07Y_mean vs slug



Right In: 0.535 $\pm$ 0.000 χ^2 /NDF: 21231144094.8/17

Left Out: 1.132 $\pm$ 0.000 χ^2 /NDF: 99194290742.9/22

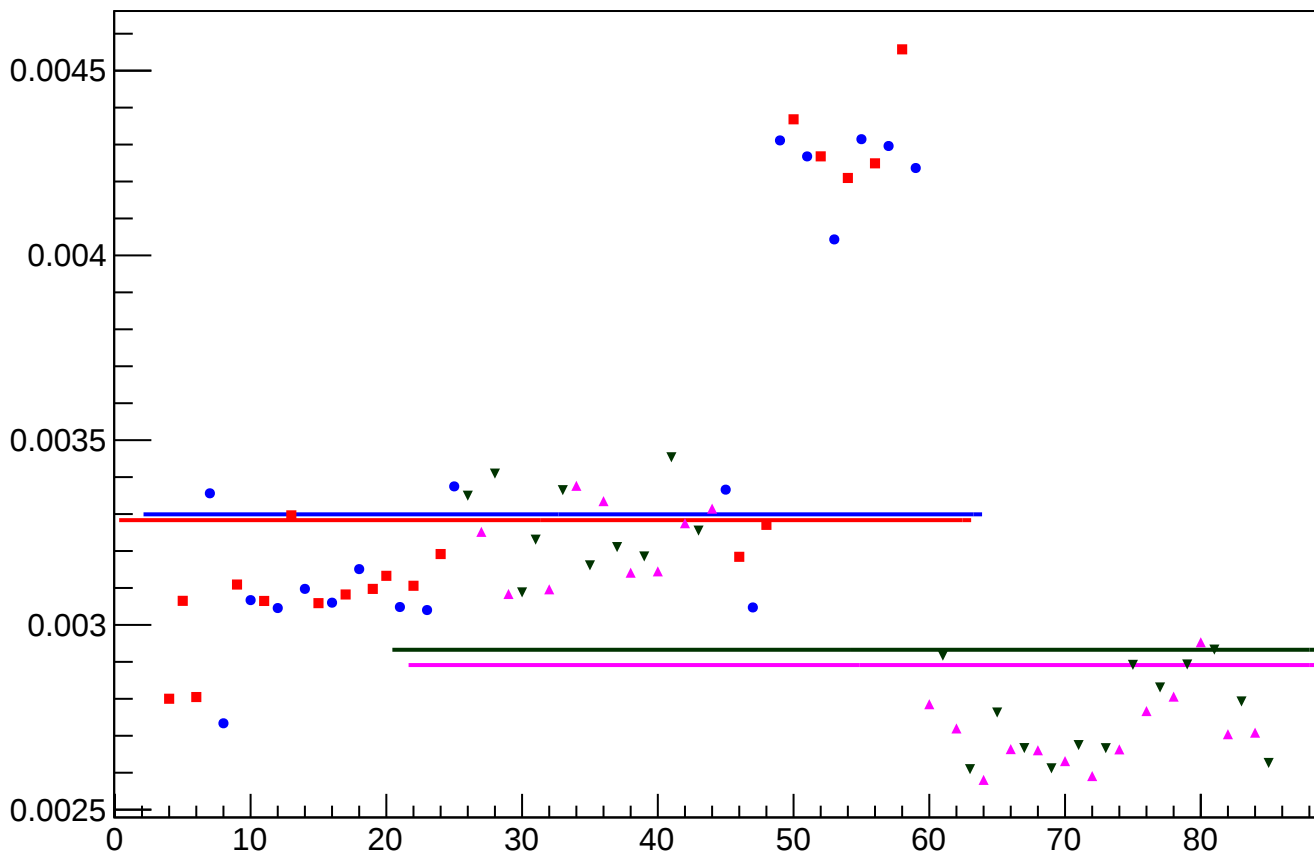
0.879 $\pm$ 0.000 χ^2 /NDF: 322865248086.8/40

Right Out: 0.523 $\pm$ 0.000 χ^2 /NDF: 11523934099.1/18

0.889 $\pm$ 0.000 χ^2 /NDF: 311170427868.9/40

Left In: 1.113 $\pm$ 0.000 χ^2 /NDF: 110472847092.3/21

yield_bpm0l07Y_rms vs slug



Right In: 0.003 ± 0.000 χ^2/NDF : 497565.6/17

Left Out: 0.003 ± 0.000 χ^2/NDF : 205074.8/22

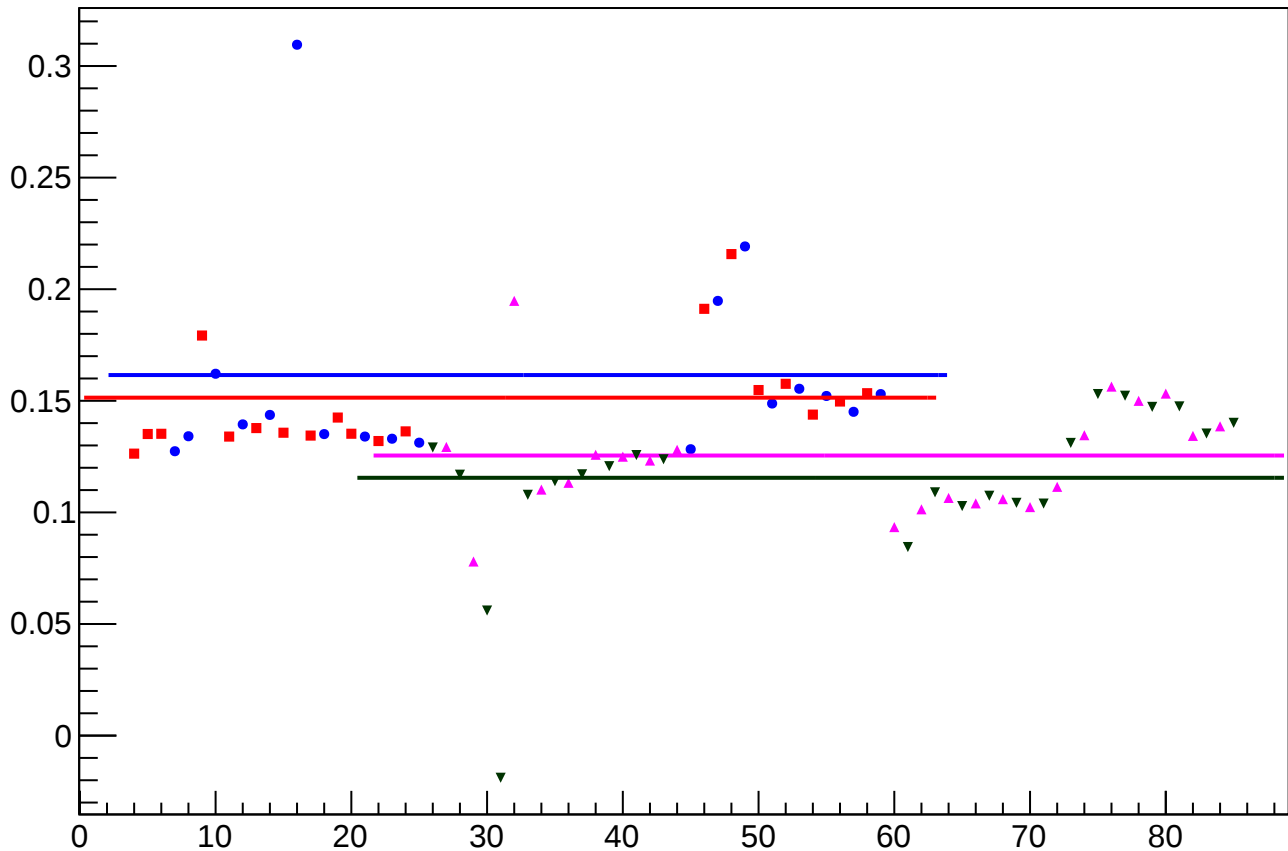
Right Out: 0.003 ± 0.000 χ^2/NDF : 382277.8/18

Left In: 0.003 ± 0.000 χ^2/NDF : 193829.3/21

0.003 ± 0.000 χ^2/NDF : 855327.6/40

0.003 ± 0.000 χ^2/NDF : 743558.4/40

yield_bpm0l08X_mean vs slug



Right In: 0.162 ± 0.000 χ^2/NDF : 94764439.1/17

Left Out: 0.116 ± 0.000 χ^2/NDF : 67468221.9/22

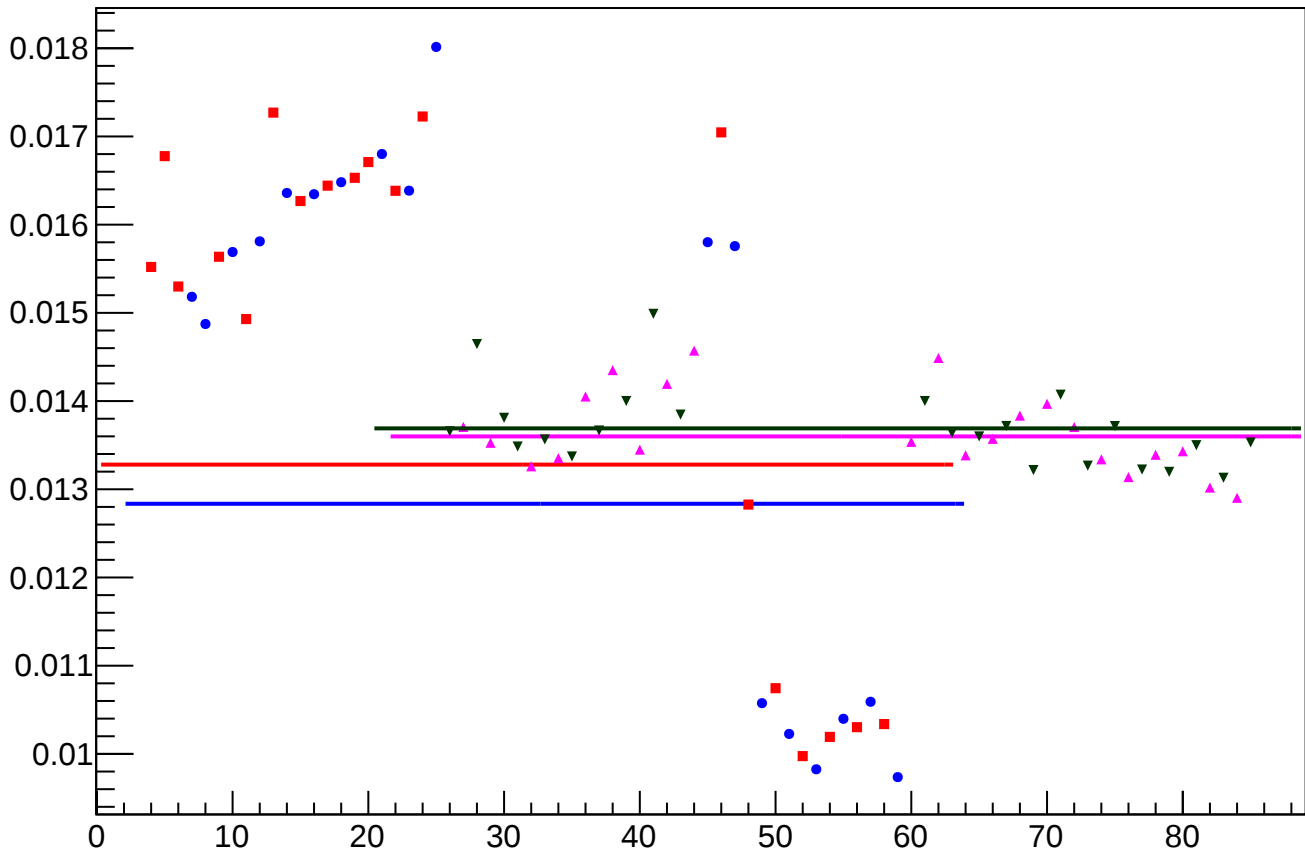
Right Out: 0.151 ± 0.000 χ^2/NDF : 22463584.0/18

Left In: 0.125 ± 0.000 χ^2/NDF : 52832260.0/21

0.139 ± 0.000 χ^2/NDF : 229250100.8/40

0.137 ± 0.000 χ^2/NDF : 94777908.7/40

yield_bpm0l08X_rms vs slug



Right In: 0.013+/-0.000 χ^2/NDF : 1088247.1/17

Left Out: 0.014+/-0.000 χ^2/NDF : 24707.9/22

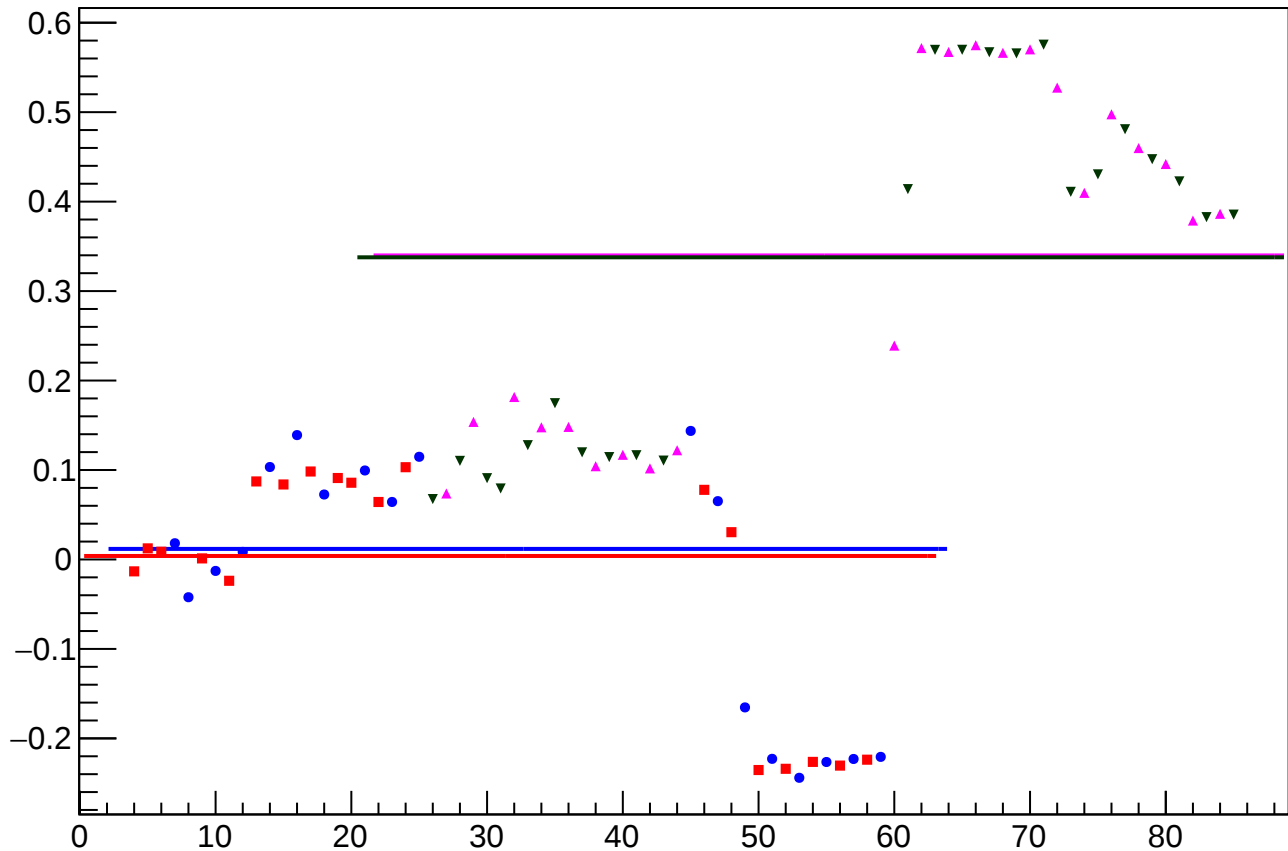
Right Out: 0.013+/-0.000 χ^2/NDF : 890007.3/18

Left In: 0.014+/-0.000 χ^2/NDF : 24201.1/21

0.013+/-0.000 χ^2/NDF : 1159167.2/40

0.013+/-0.000 χ^2/NDF : 920127.6/40

yield_bpm0l08Y_mean vs slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 12179192870.2/17

Left Out: 0.338 $\pm$ 0.000 χ^2 /NDF: 45480715320.9/22

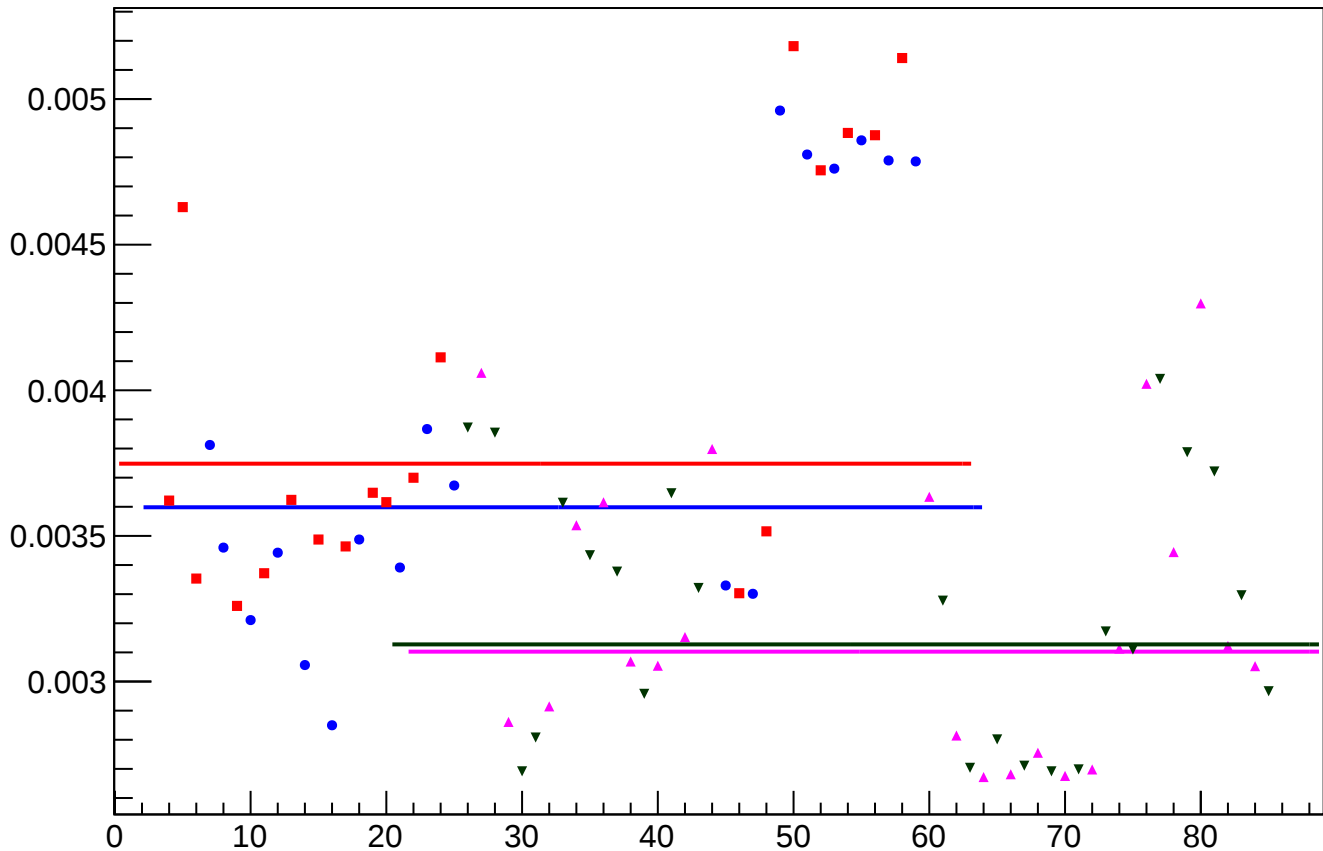
0.203 $\pm$ 0.000 χ^2 /NDF: 107974275016.2/40

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 7924148421.7/18

0.222 $\pm$ 0.000 χ^2 /NDF: 100863076257.8/40

Left In: 0.340 $\pm$ 0.000 χ^2 /NDF: 45057552081.2/21

yield_bpm0l08Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 672957.8/17

Left Out: 0.003+/-0.000 χ^2/NDF : 402496.1/22

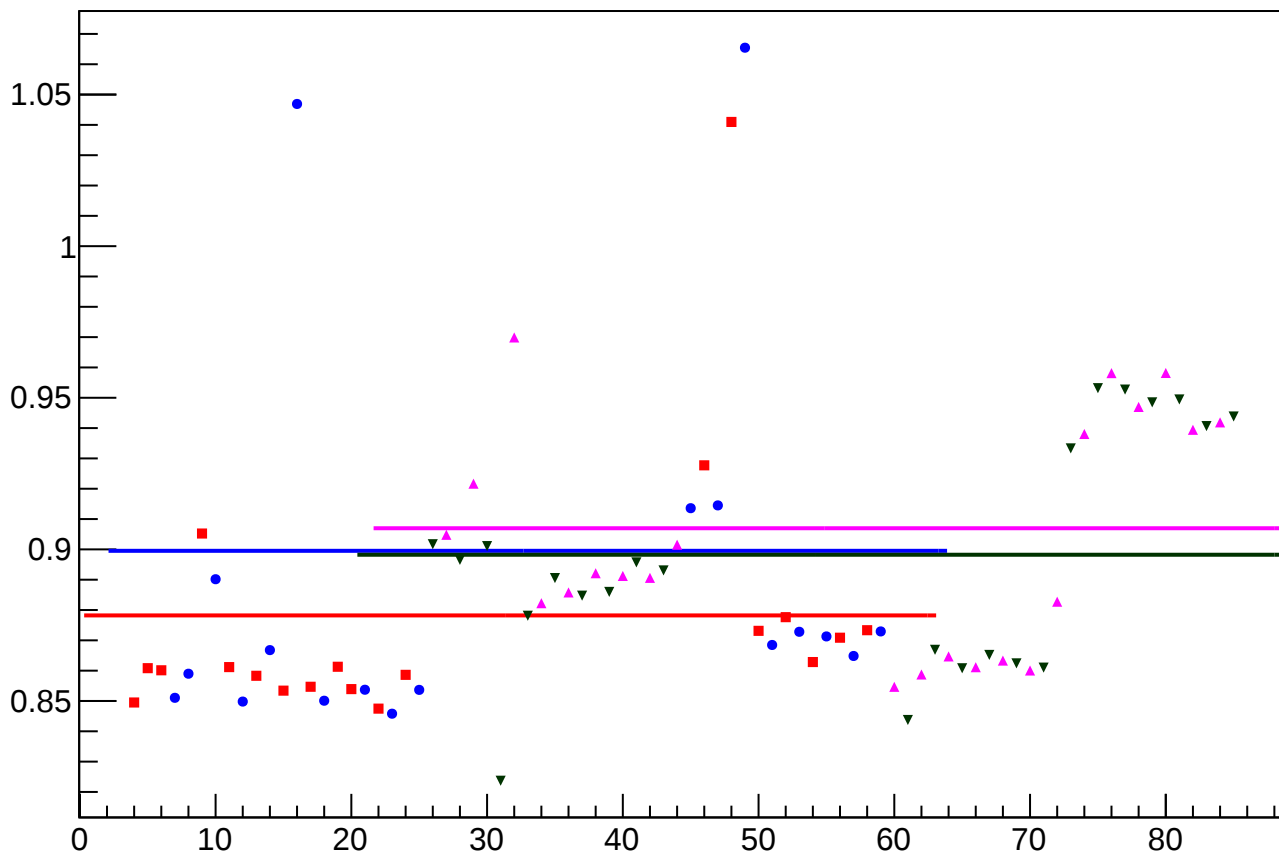
Right Out: 0.004+/-0.000 χ^2/NDF : 427283.7/18

Left In: 0.003+/-0.000 χ^2/NDF : 466446.1/21

0.003+/-0.000 χ^2/NDF : 1285446.8/40

0.003+/-0.000 χ^2/NDF : 1247185.0/40

yield_bpm0l09X_mean vs slug



Right In: 0.900 ± 0.000 χ^2/NDF : 324904340.4/17

Left Out: 0.898 ± 0.000 χ^2/NDF : 82896515.9/22

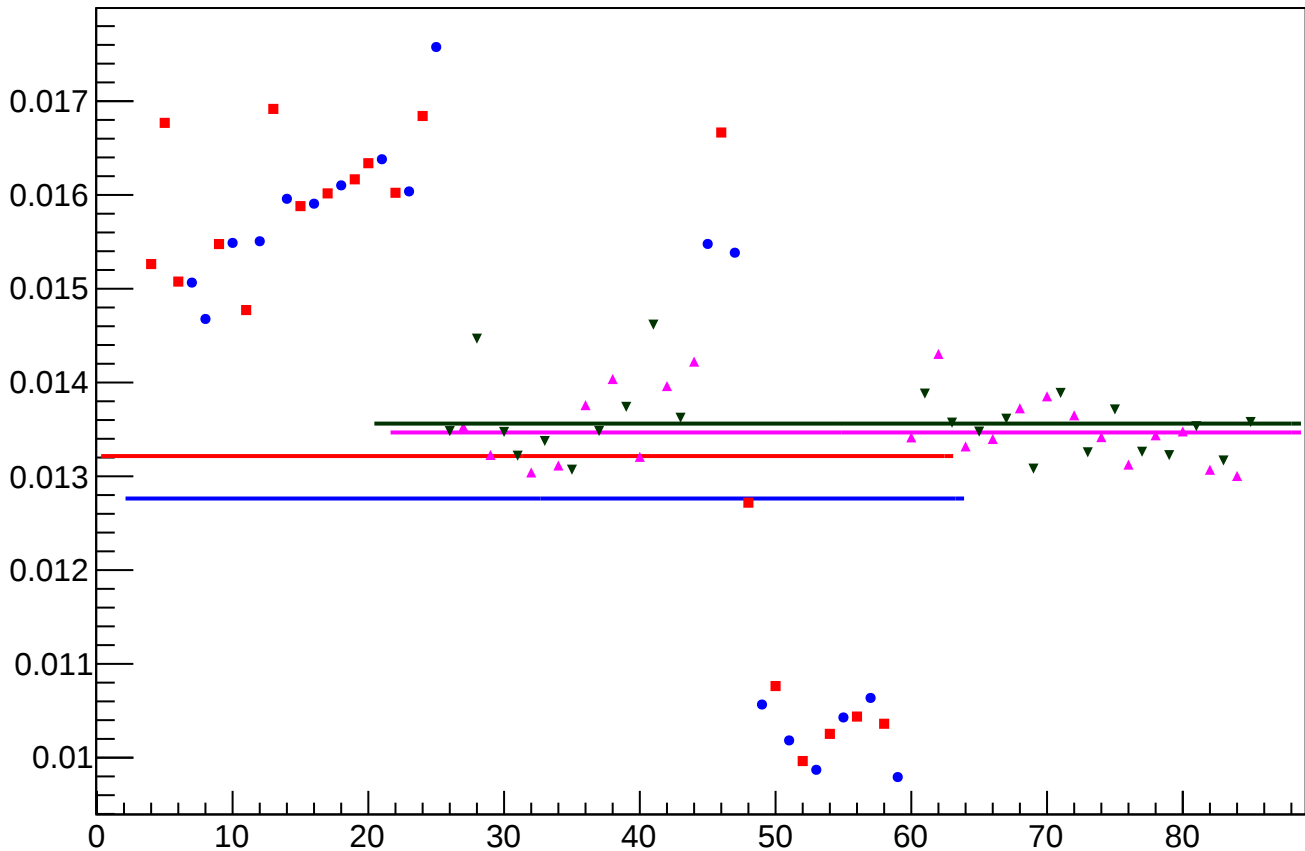
Right Out: 0.878 ± 0.000 χ^2/NDF : 92356263.0/18

Left In: 0.907 ± 0.000 χ^2/NDF : 93198189.4/21

0.899 ± 0.000 χ^2/NDF : 407854703.3/40

0.894 ± 0.000 χ^2/NDF : 209864969.7/40

yield_bpm0l09X_rms vs slug



Right In: 0.013+/-0.000 χ^2/NDF : 980141.4/17

Left Out: 0.014+/-0.000 χ^2/NDF :19148.1/22

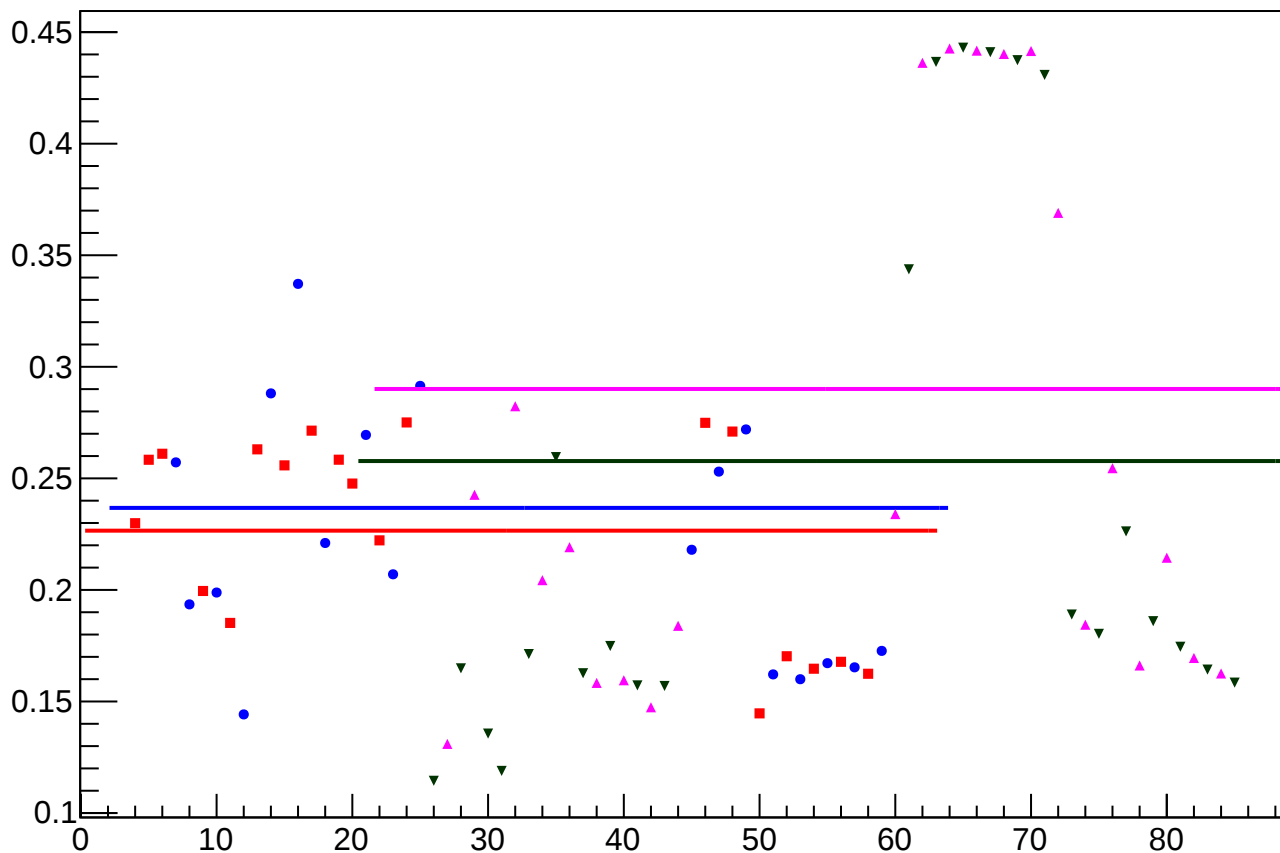
Right Out: 0.013+/-0.000 χ^2/NDF : 798846.8/18

Left In: 0.013+/-0.000 χ^2/NDF :17682.4/21

0.013+/-0.000 χ^2/NDF : 1040317.3/40

0.013+/-0.000 χ^2/NDF : 820255.2/40

yield_bpm0l09Y_mean vs slug



Right In: 0.237+/-0.000 χ^2/NDF : 2411617824.9/17

Left Out: 0.258+/-0.000 χ^2/NDF :16694327787.7/22

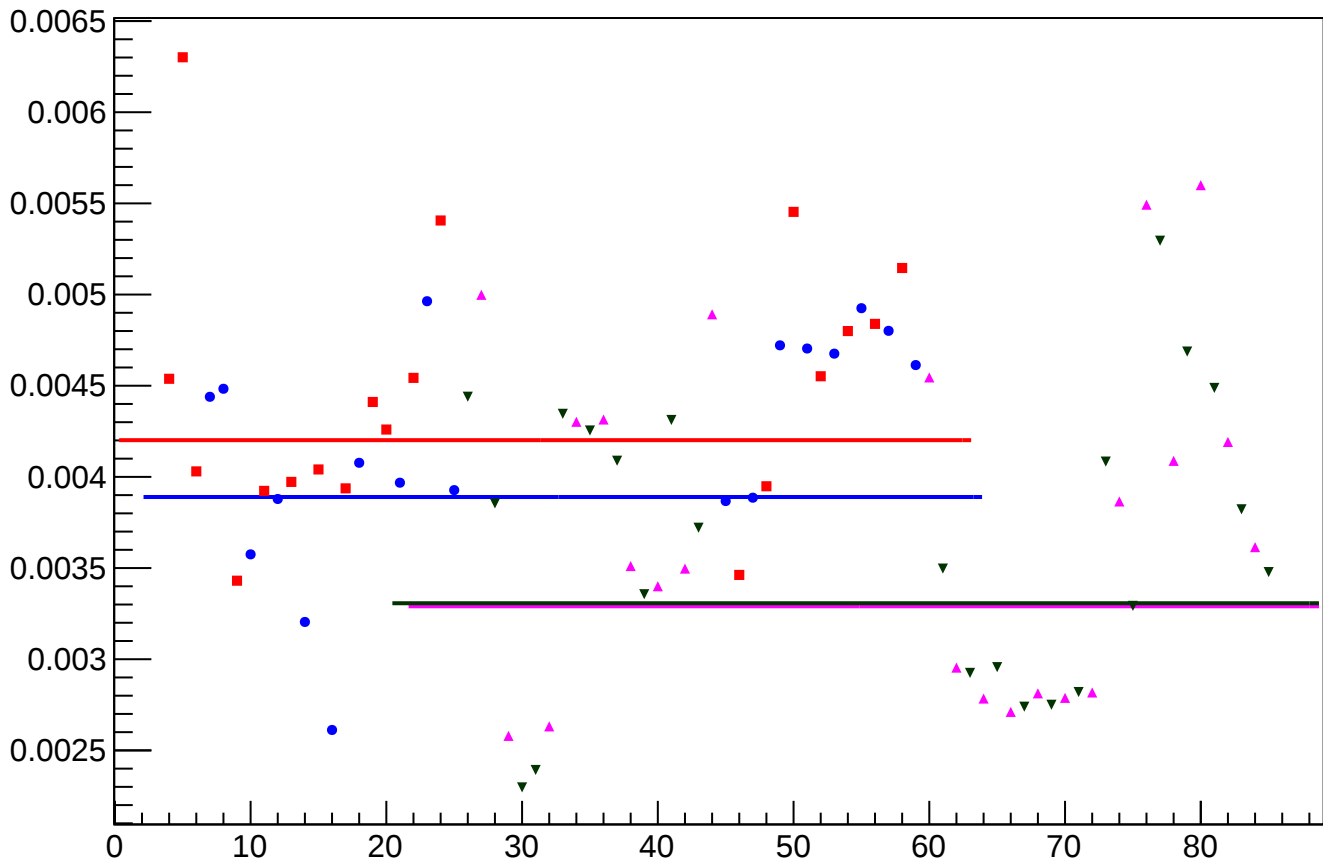
Right Out: 0.227+/-0.000 χ^2/NDF : 943883207.4/18

Left In: 0.290+/-0.000 χ^2/NDF :13273183250.9/21

0.249+/-0.000 χ^2/NDF : 19281636932.8/40

0.269+/-0.000 χ^2/NDF : 15578959370.5/40

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:1071302.7/22

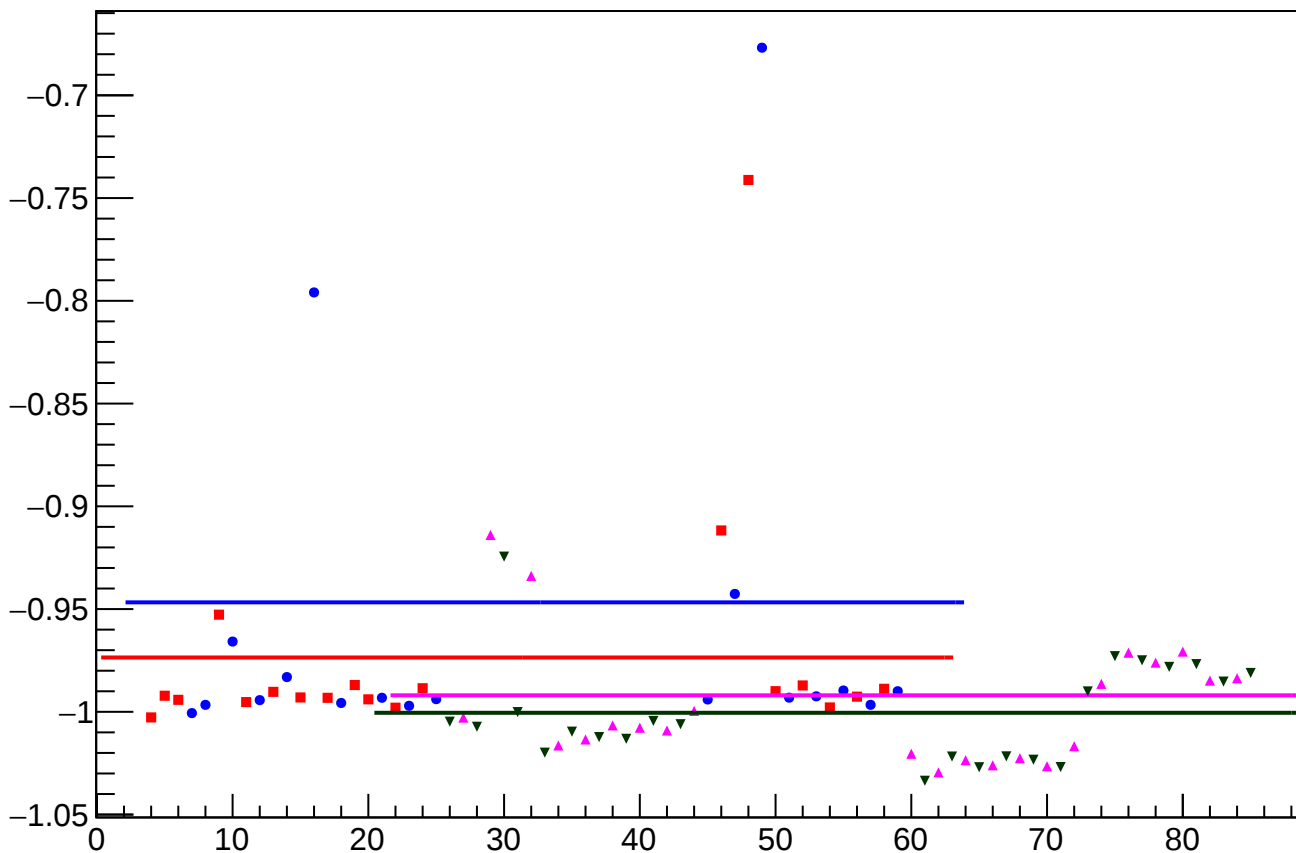
Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 341340.8/18

Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:1315315.0/21

0.004 $\pm$ 0.000 χ^2 /NDF: 2037722.6/40

0.004 $\pm$ 0.000 χ^2 /NDF: 2217259.2/40

yield_bpm0l10X_mean vs slug



Right In: -0.947 ± 0.000 χ^2/NDF : 662253046.3/17

Left Out: -1.000 ± 0.000 χ^2/NDF : 40273210.4/22

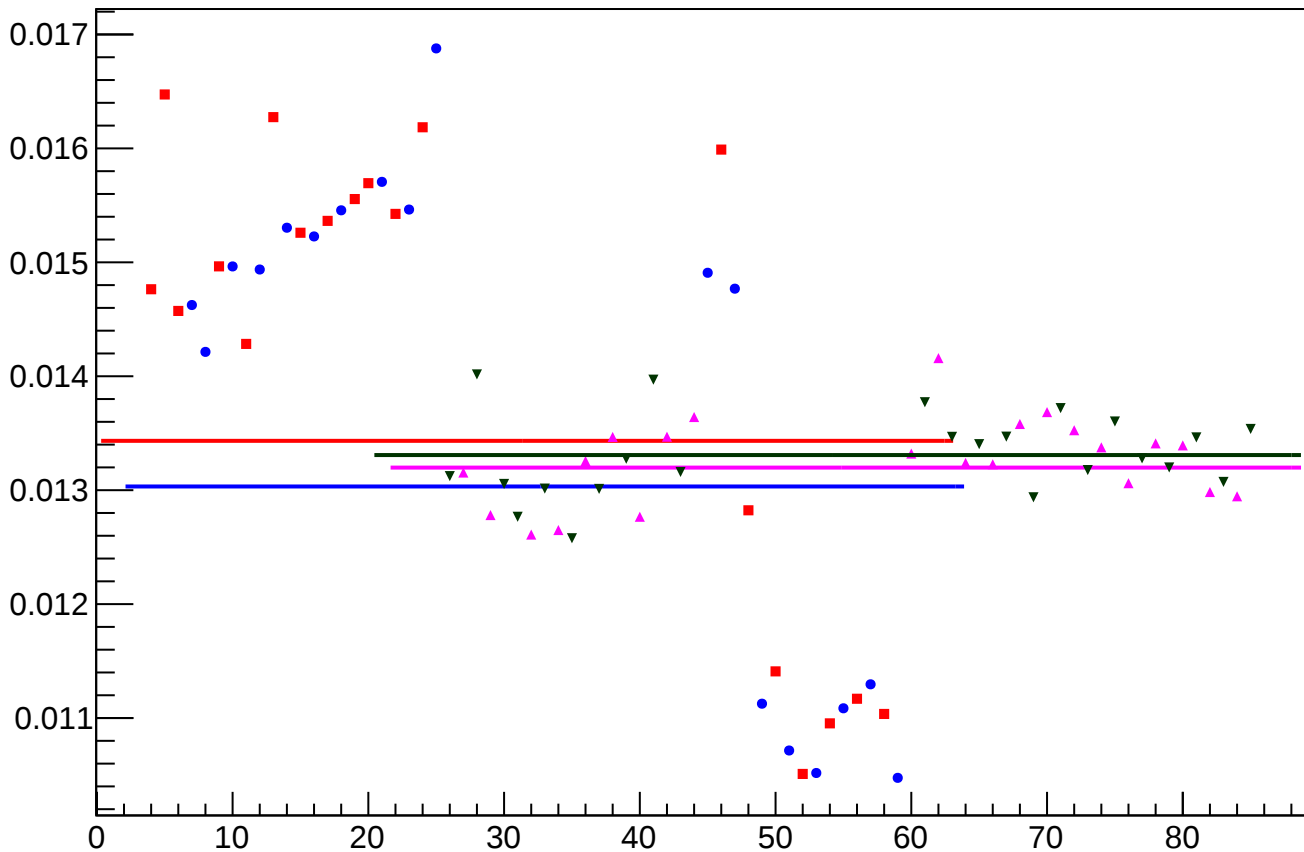
Right Out: -0.974 ± 0.000 χ^2/NDF : 174691792.1/18

Left In: -0.992 ± 0.000 χ^2/NDF : 79271806.9/21

-0.974 ± 0.000 χ^2/NDF : 795810369.5/40

-0.984 ± 0.000 χ^2/NDF : 263985114.4/40

yield_bpm0l10X_rms vs slug



Right In: 0.013 ± 0.000 χ^2/NDF : 587832.0/17

Left Out: 0.013 ± 0.000 χ^2/NDF : 17209.9/22

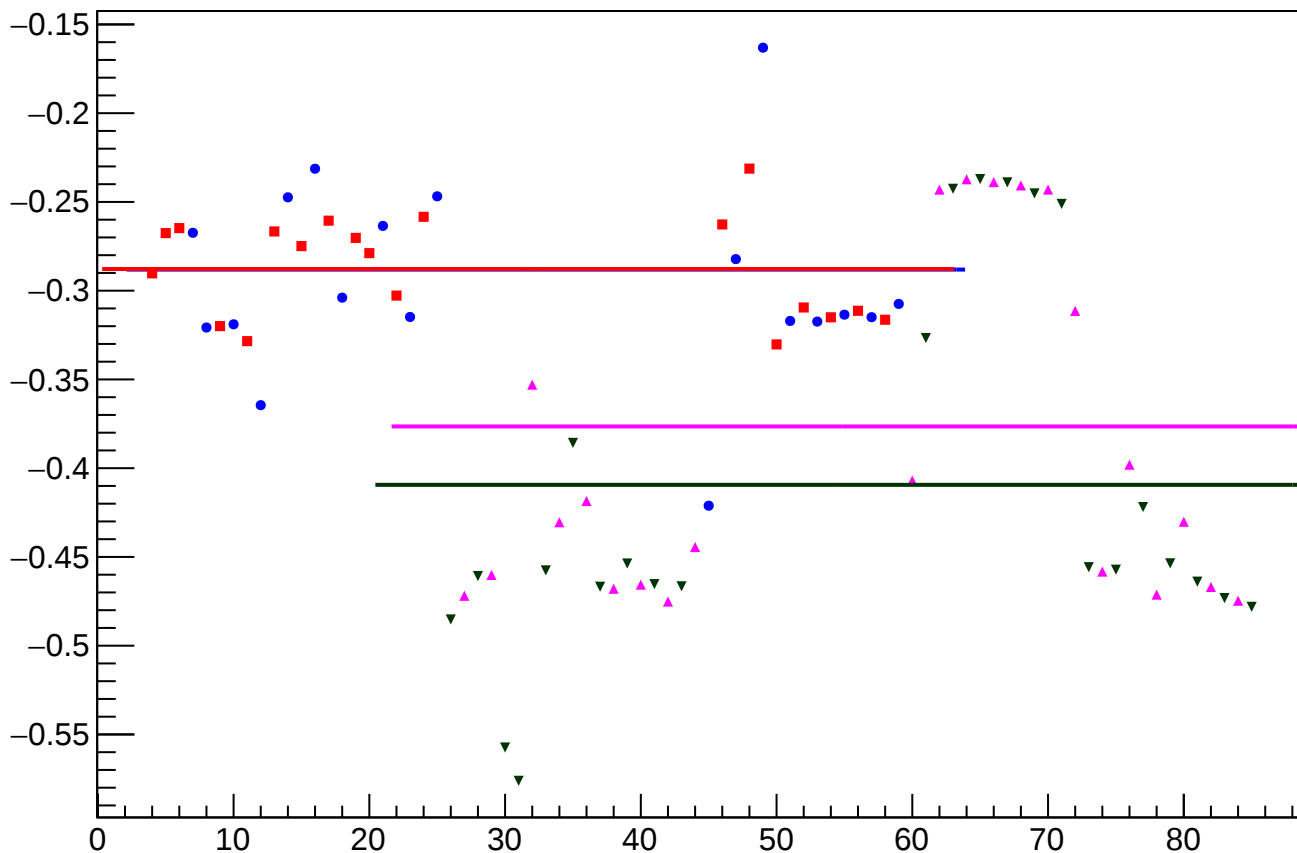
Right Out: 0.013 ± 0.000 χ^2/NDF : 479245.1/18

Left In: 0.013 ± 0.000 χ^2/NDF : 18949.3/21

0.013 ± 0.000 χ^2/NDF : 609955.7/40

0.013 ± 0.000 χ^2/NDF : 501461.7/40

yield_bpm0l10Y_mean vs slug



Right In: -0.288+/-0.000 χ^2/NDF : 2601289511.6/17

Left Out: -0.409+/-0.000 χ^2/NDF : 14293569341.3/22

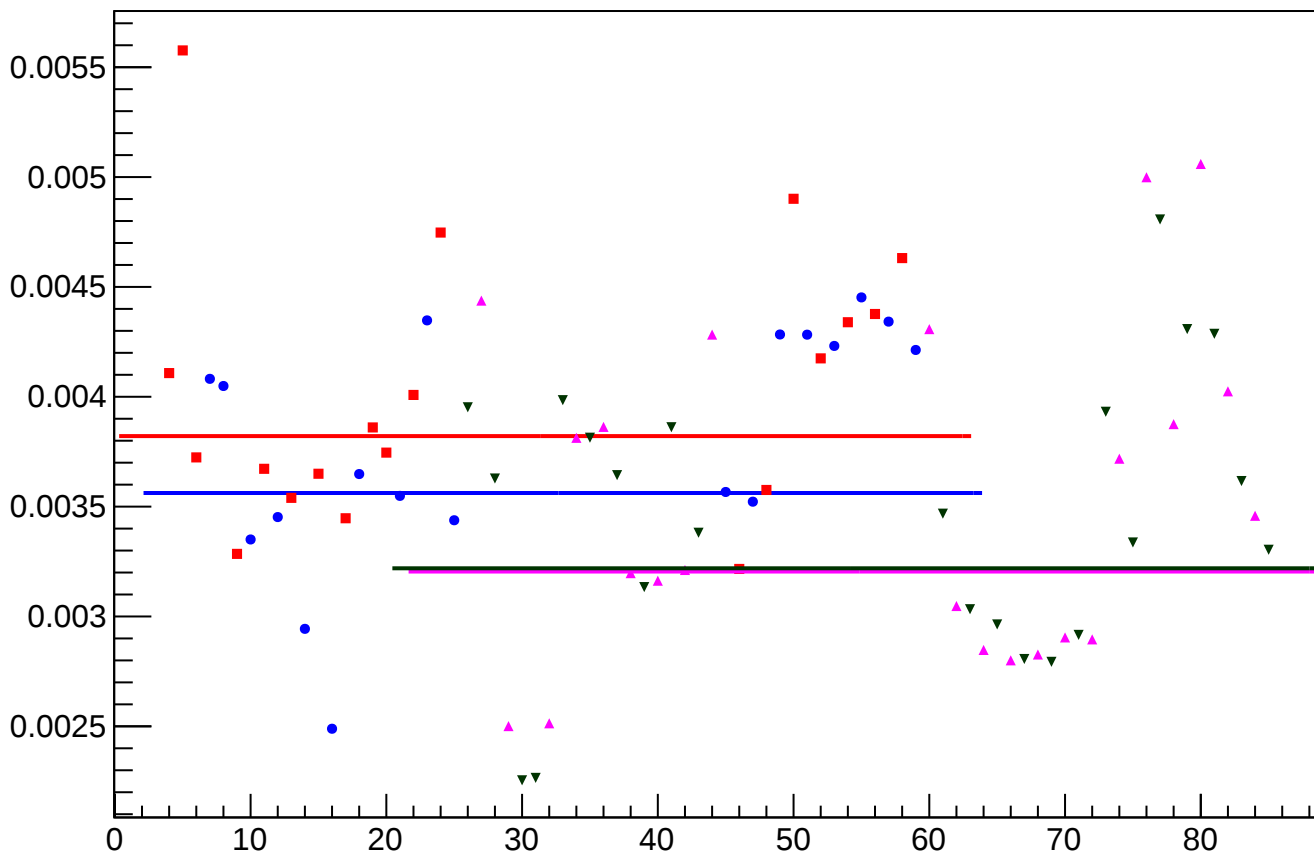
Right Out: -0.288+/-0.000 χ^2/NDF : 515794849.9/18

Left In: -0.376+/-0.000 χ^2/NDF : 9890337425.0/21

-0.356+/-0.000 χ^2/NDF : 23646783199.8/40

-0.344+/-0.000 χ^2/NDF : 13521267902.1/40

yield_bpm0l10Y_rms vs slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 588741.6/17

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 807391.7/22

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 282191.6/18

Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 988391.5/21

0.003 $\pm$ 0.000 χ^2 /NDF: 1504001.0/40

0.003 $\pm$ 0.000 χ^2 /NDF: 1571585.5/40