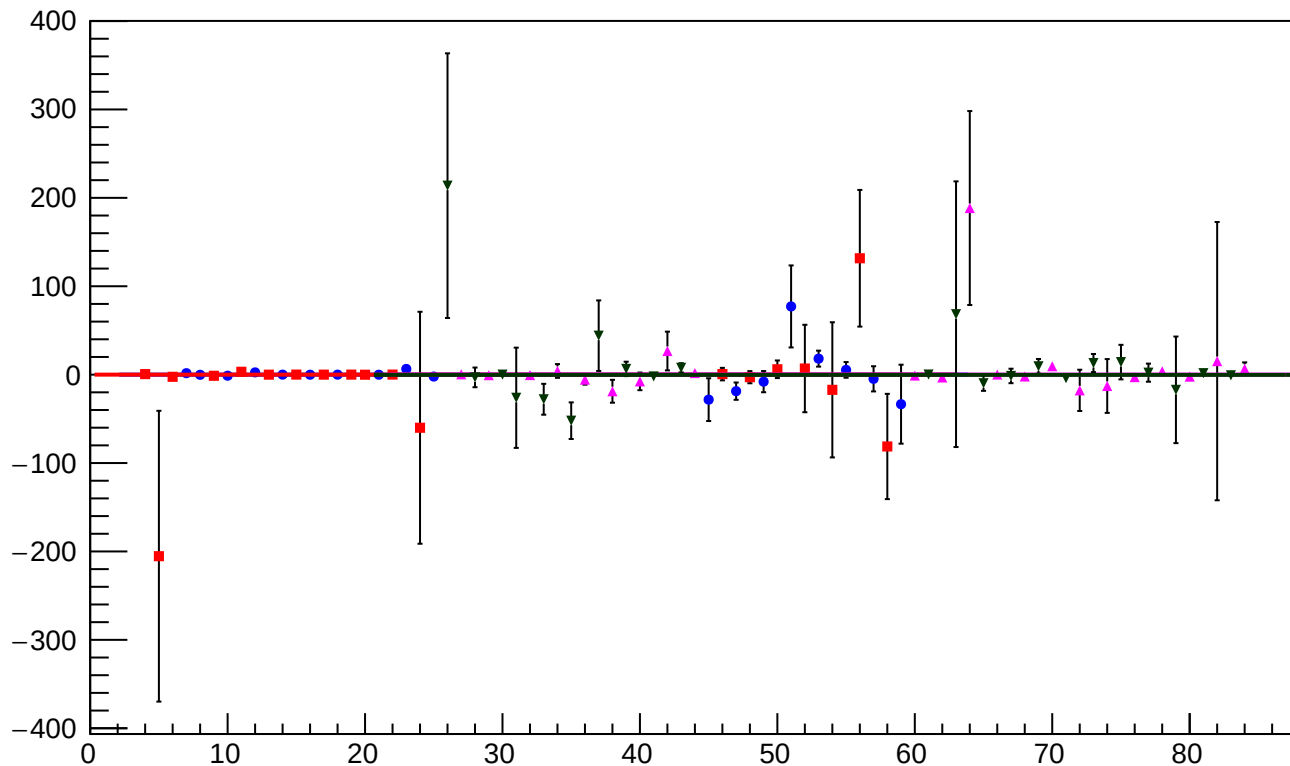


diff_cav4bX_mean vs slug



Right In: -0.014 ± 0.014

χ^2/NDF : 31.2/17

Left Out: -0.242 ± 0.916

χ^2/NDF : 23.5/21

Right Out: 0.017 ± 0.016

χ^2/NDF : 24.7/18

Left In: 0.070 ± 0.073

χ^2/NDF : 30.9/21

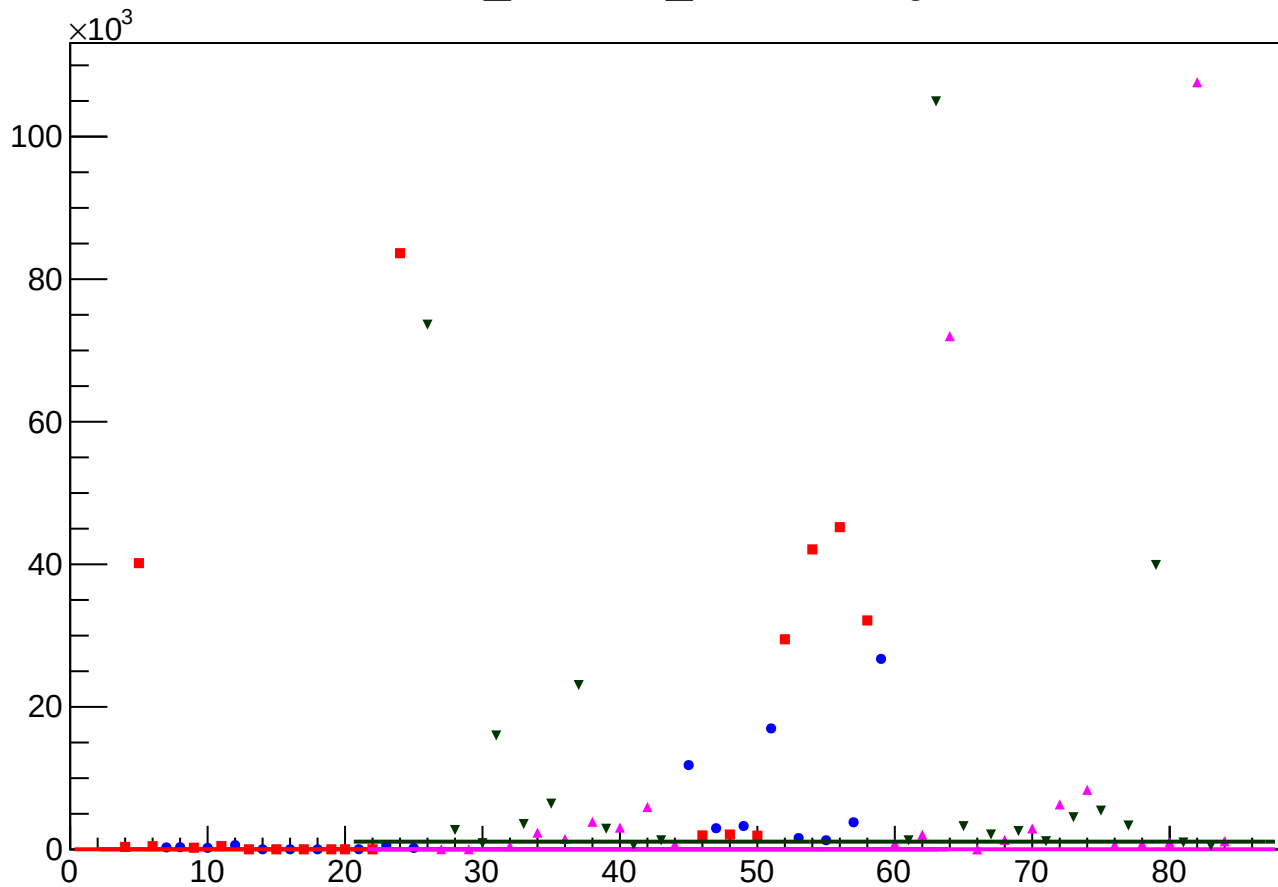
-0.014 ± 0.014

χ^2/NDF : 54.8/39

0.019 ± 0.016

χ^2/NDF : 56.1/40

diff_cav4bX_rms vs slug



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

Left Out: 1094.683+/-0.648 χ^2/NDF : 4243467.6/21

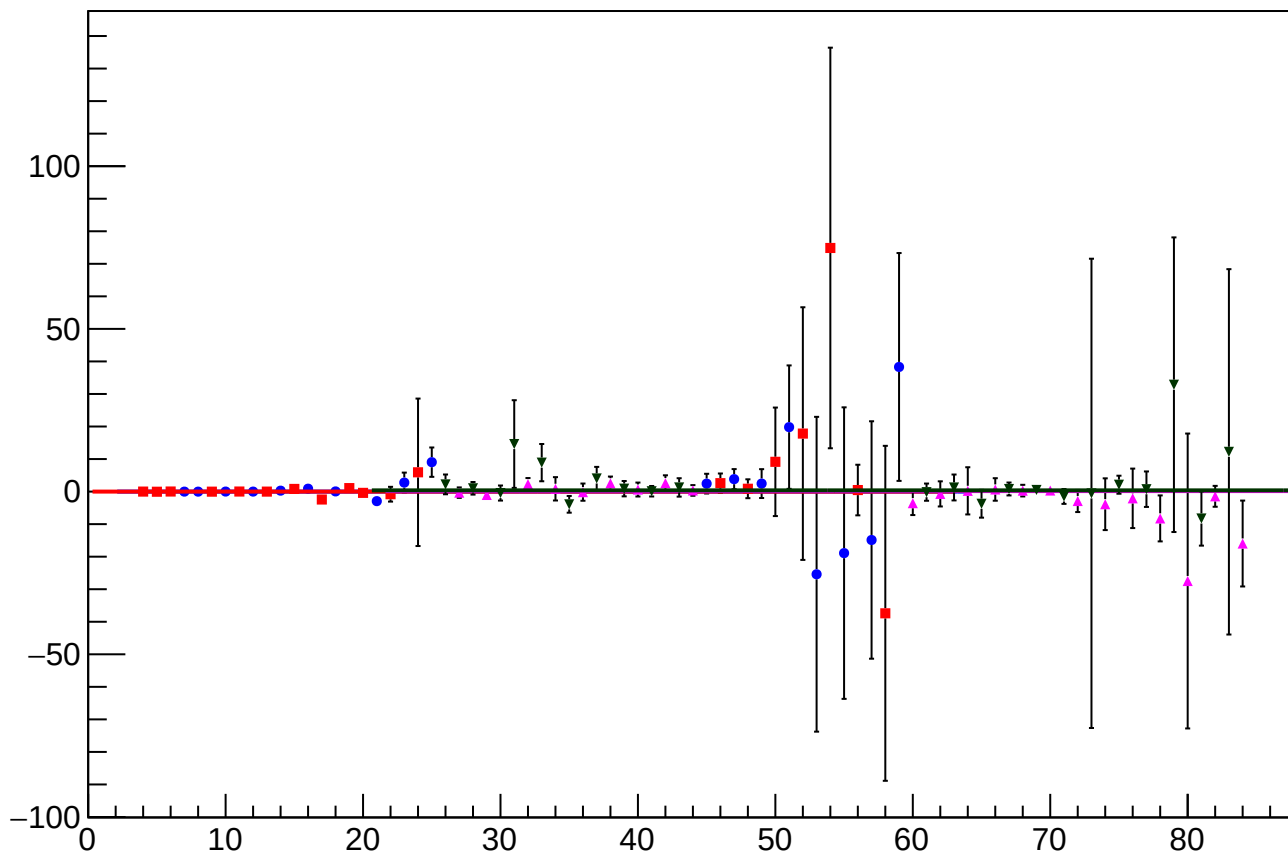
Right Out: 22.611+/-0.011 χ^2/NDF : 4395534.2/18

Left In: 26.849+/-0.051 χ^2/NDF : 6588517.8/21

22.691+/-0.010 χ^2/NDF : 9785893.7/39

22.810+/-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: 0.376 ± 0.588 χ^2/NDF : 11.7/21

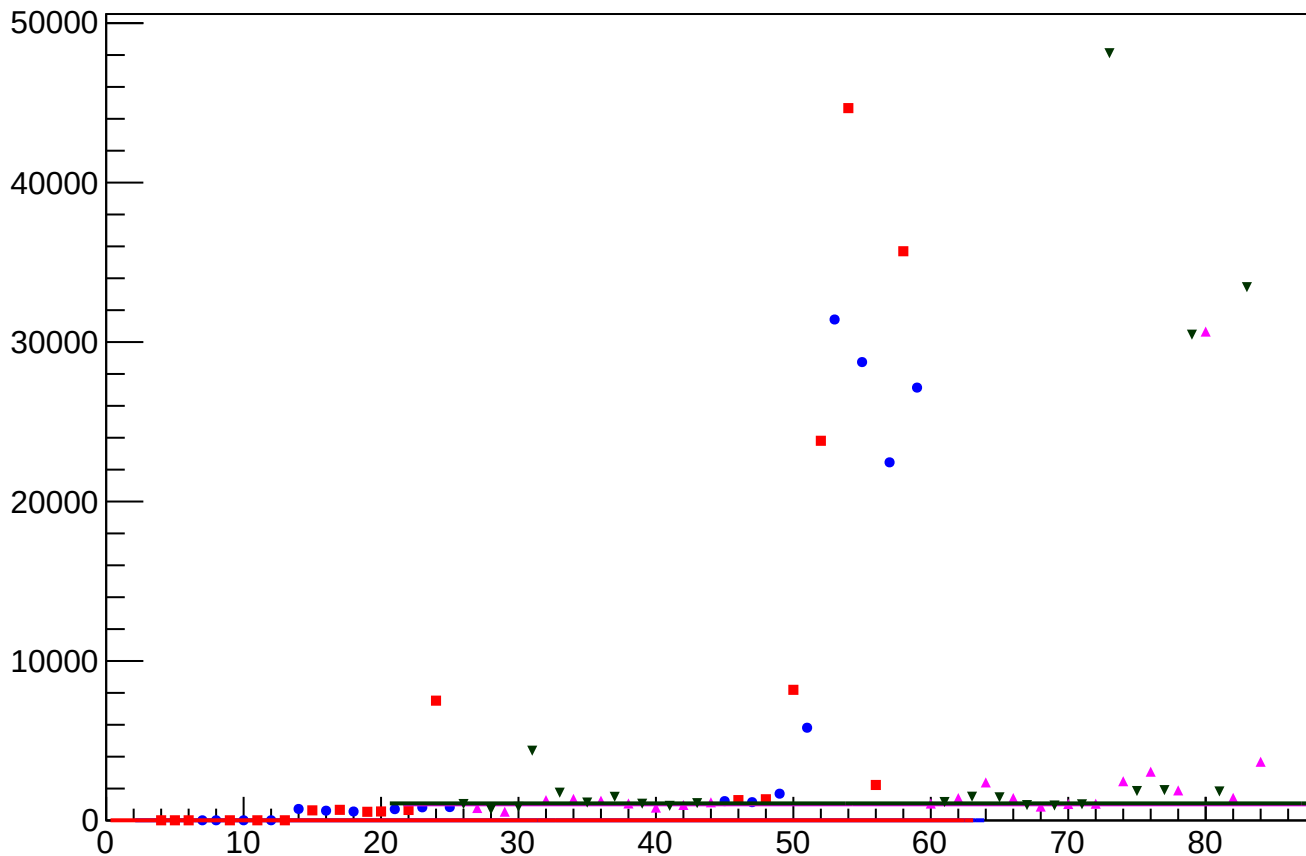
Right Out: 0.002 ± 0.005 χ^2/NDF : 20.3/18

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

-0.001 ± 0.006 χ^2/NDF : 35.7/39

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: 1069.774+/-0.416 χ^2/NDF : 2935343.1/21

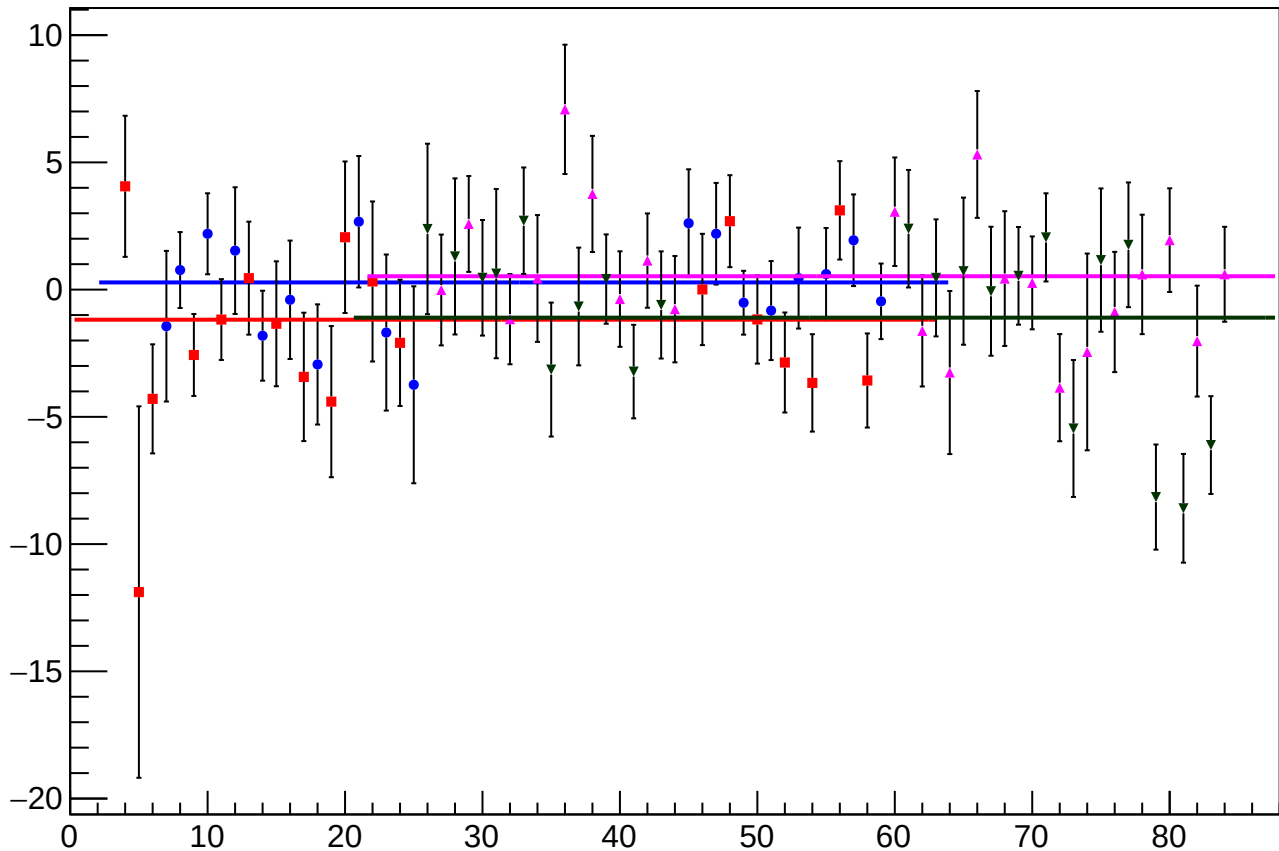
Right Out: 10.086+/-0.004 χ^2/NDF : 6750125.6/18

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

10.636+/-0.005 χ^2/NDF : 18390988.7/39

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: -1.102 ± 0.482 χ^2/NDF : 51.3/21

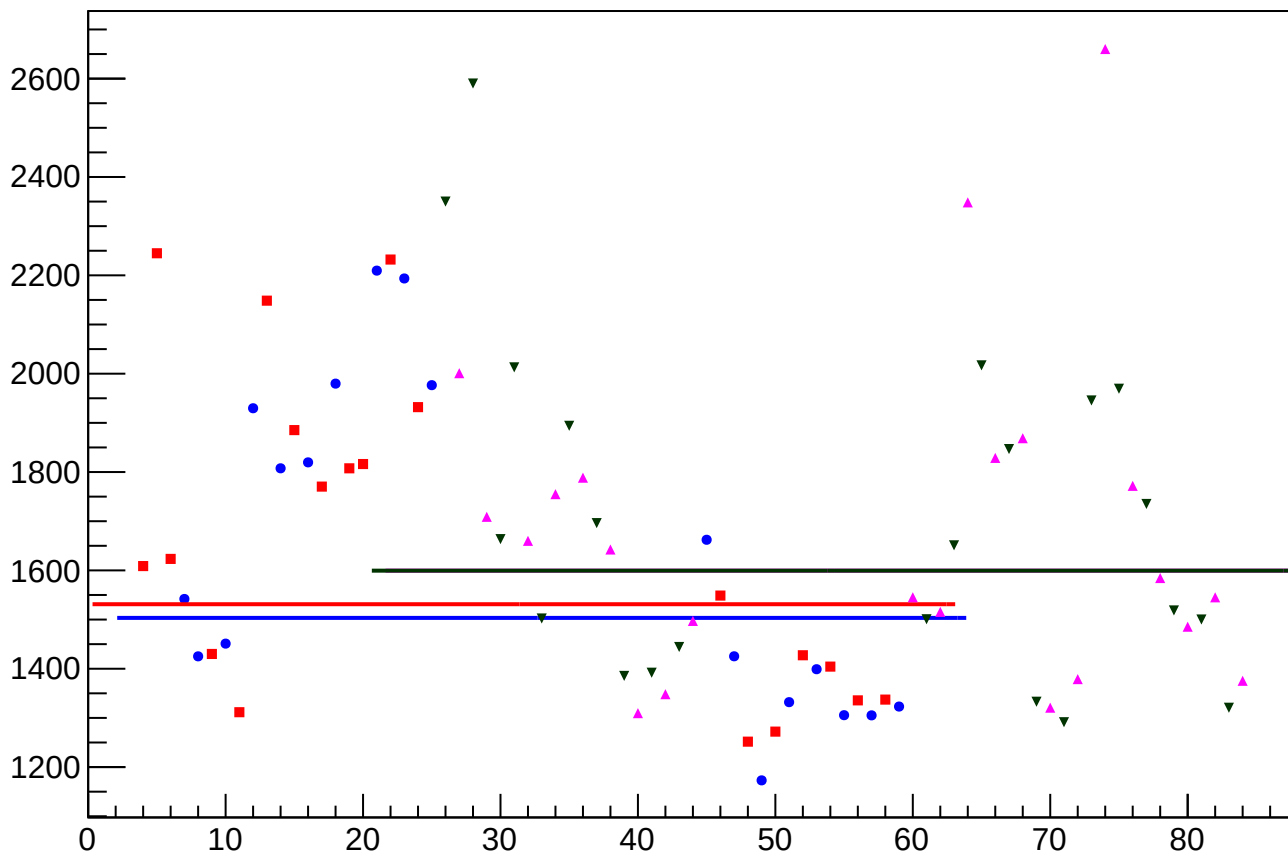
Right Out: -1.182 ± 0.494 χ^2/NDF : 26.5/18

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

-0.370 ± 0.331 χ^2/NDF : 67.4/39

-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: 1599.453+/-0.341 χ^2/NDF : 730860.2/21

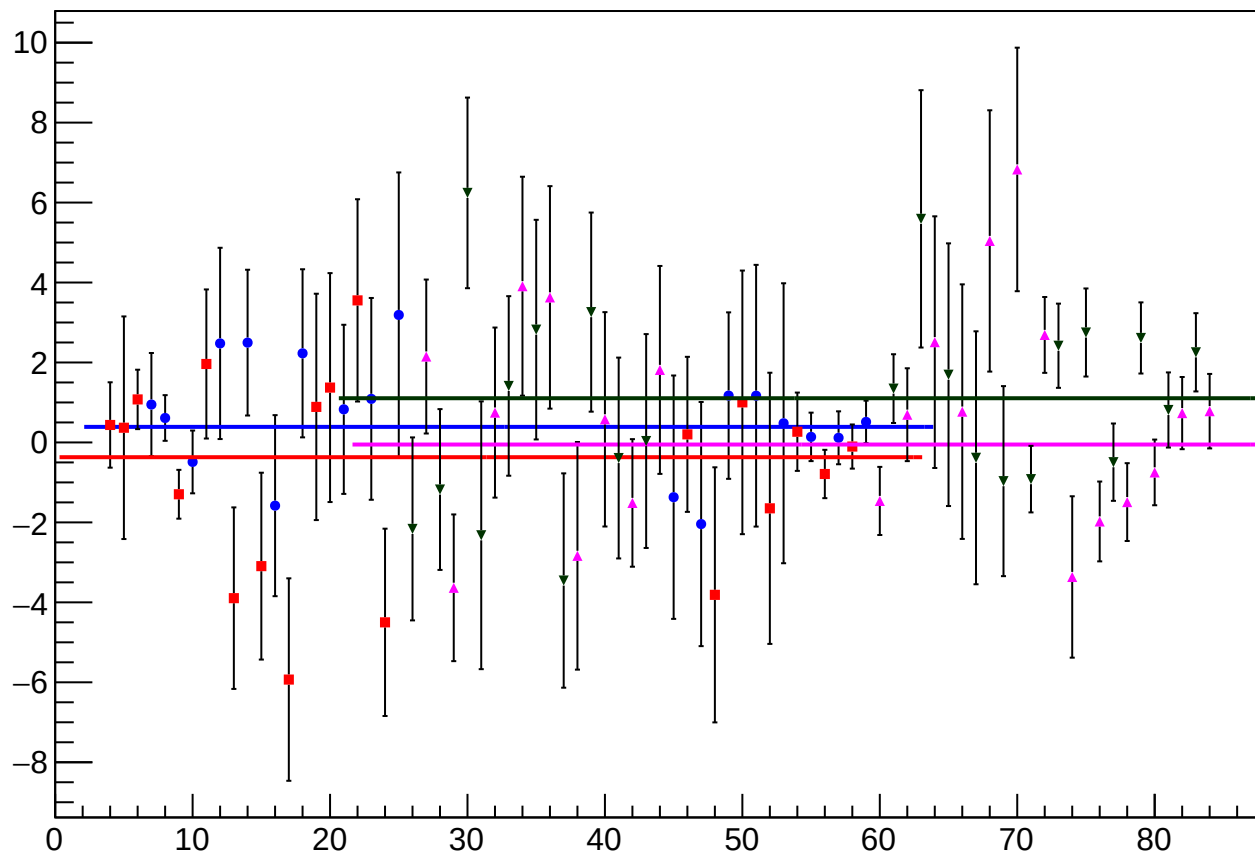
Right Out: 1531.211+/-0.349 χ^2/NDF : 621310.9/18

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

1548.659+/-0.234 χ^2/NDF : 1549551.6/39

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: 1.106 ± 0.300 χ^2/NDF : 33.4/21

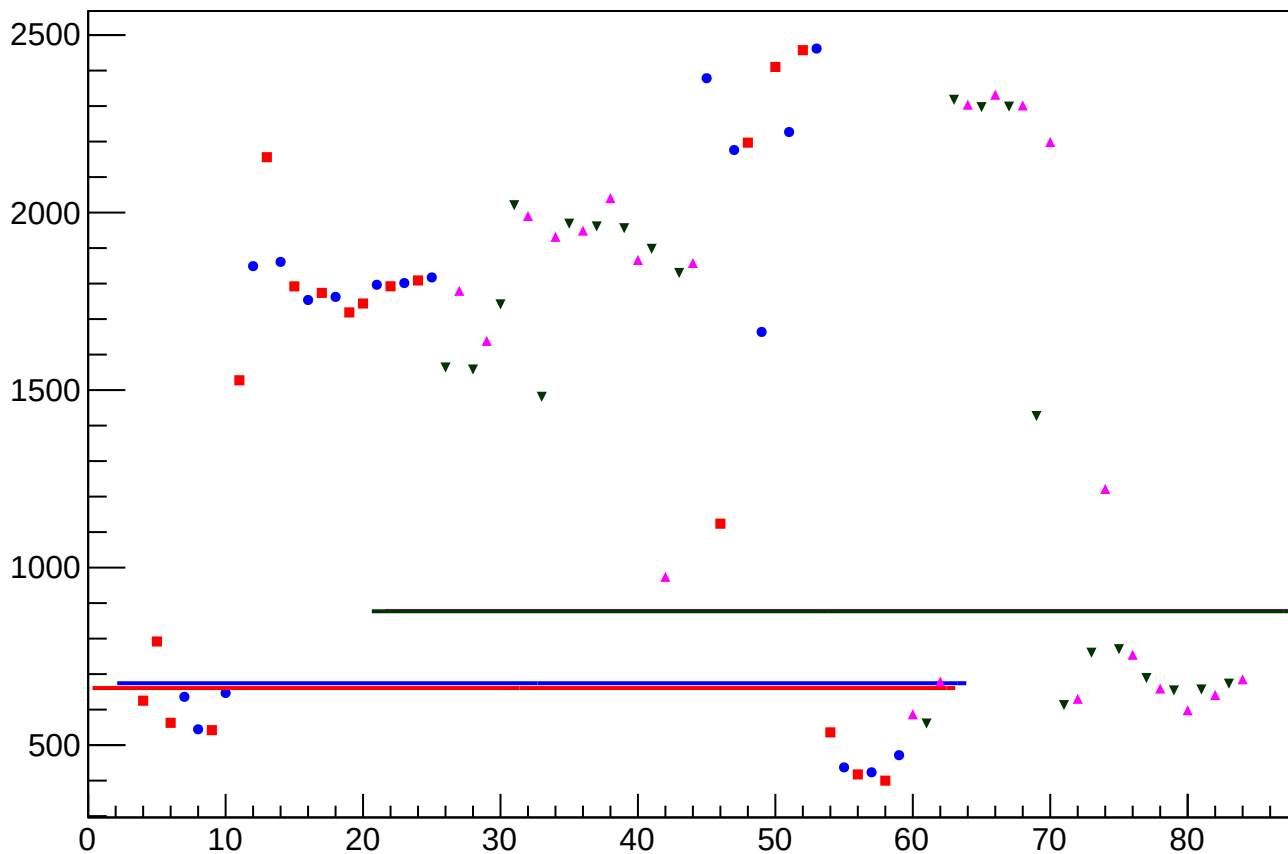
Right Out: -0.369 ± 0.263 χ^2/NDF : 25.7/18

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

0.685 ± 0.193 χ^2/NDF : 44.3/39

-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: 876.991+/-0.212 χ^2/NDF : 4851487.1/21

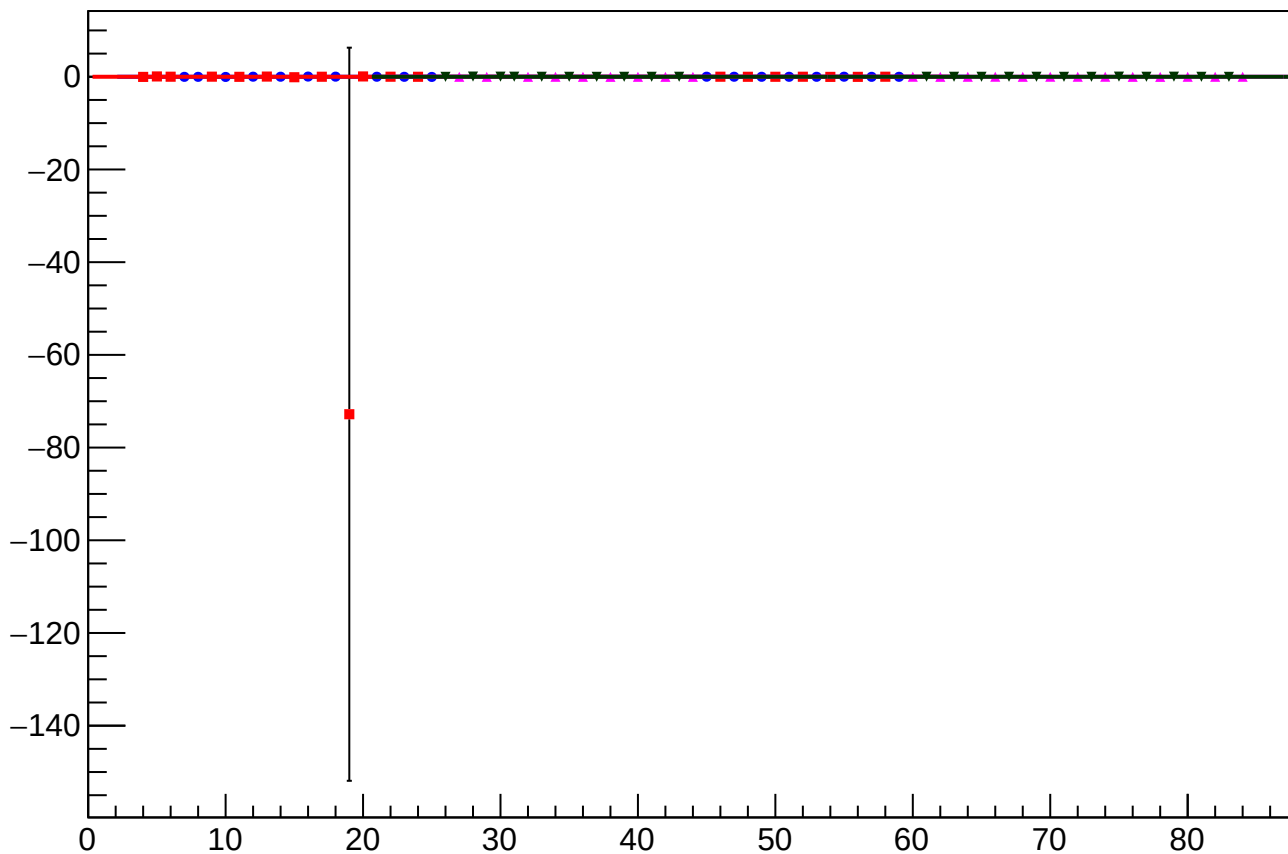
Right Out: 660.761+/-0.186 χ^2/NDF : 6222915.7/18

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

758.048+/-0.136 χ^2/NDF : 12401277.8/39

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 : 18.3/21

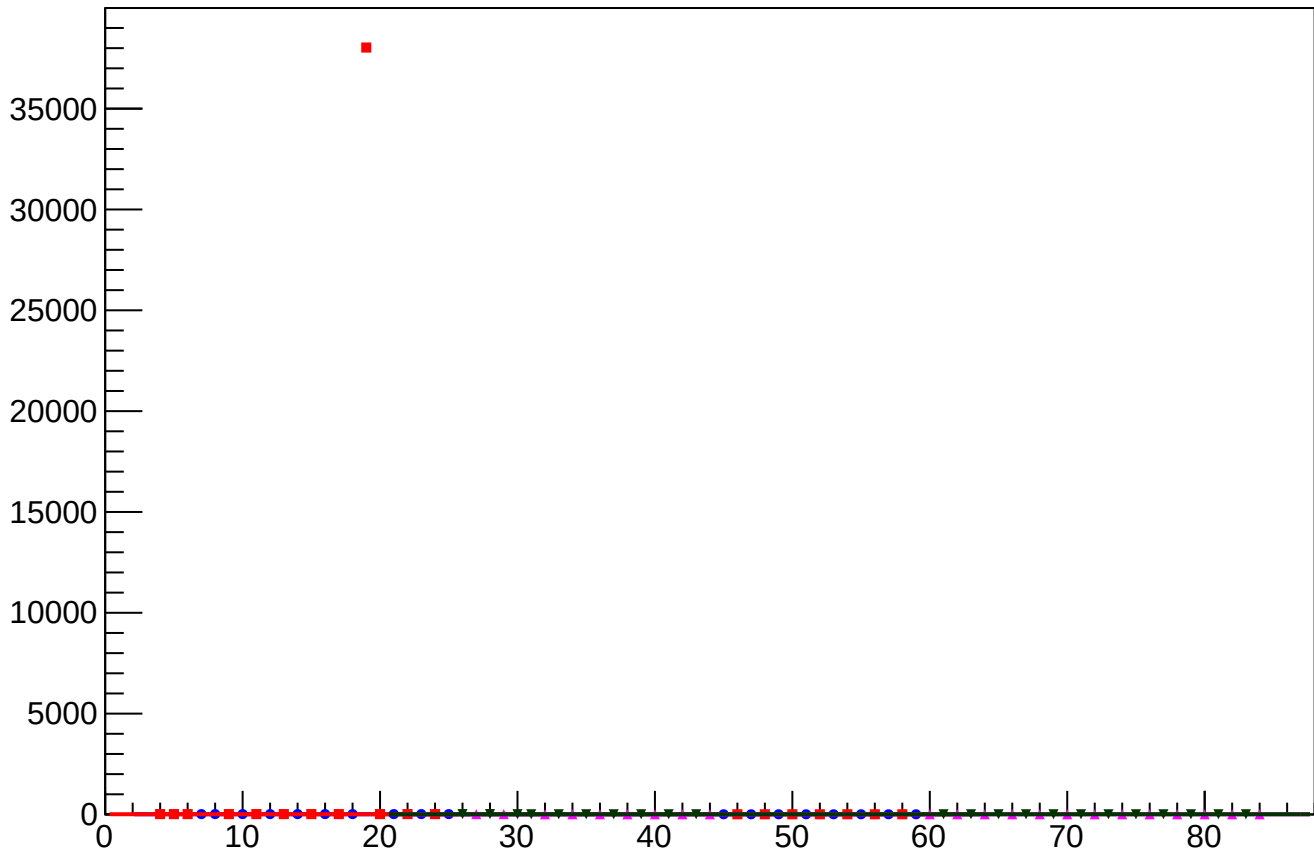
Right Out: 0.002+/-0.004 χ^2/NDF : 20.0/18

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

0.001+/-0.002 χ^2/NDF : 30.3/39

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: 8.945 $\pm$ 0.002 χ^2 /NDF: 624276.6/21

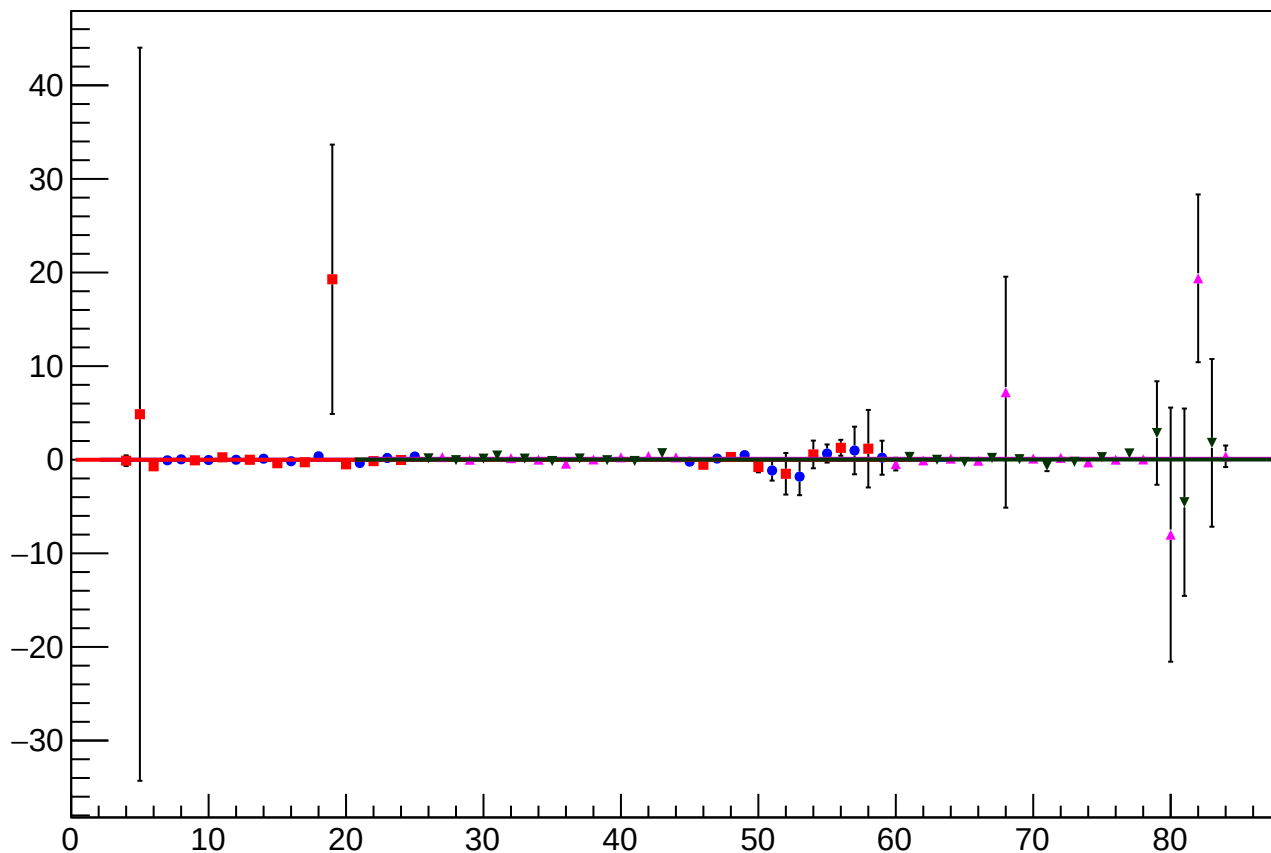
9.556 $\pm$ 0.002 χ^2 /NDF: 2837812.5/39

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 $\pm$ 0.003 χ^2/NDF : 20.9/17

Left Out: 0.022 $\pm$ 0.044 χ^2/NDF : 26.5/21

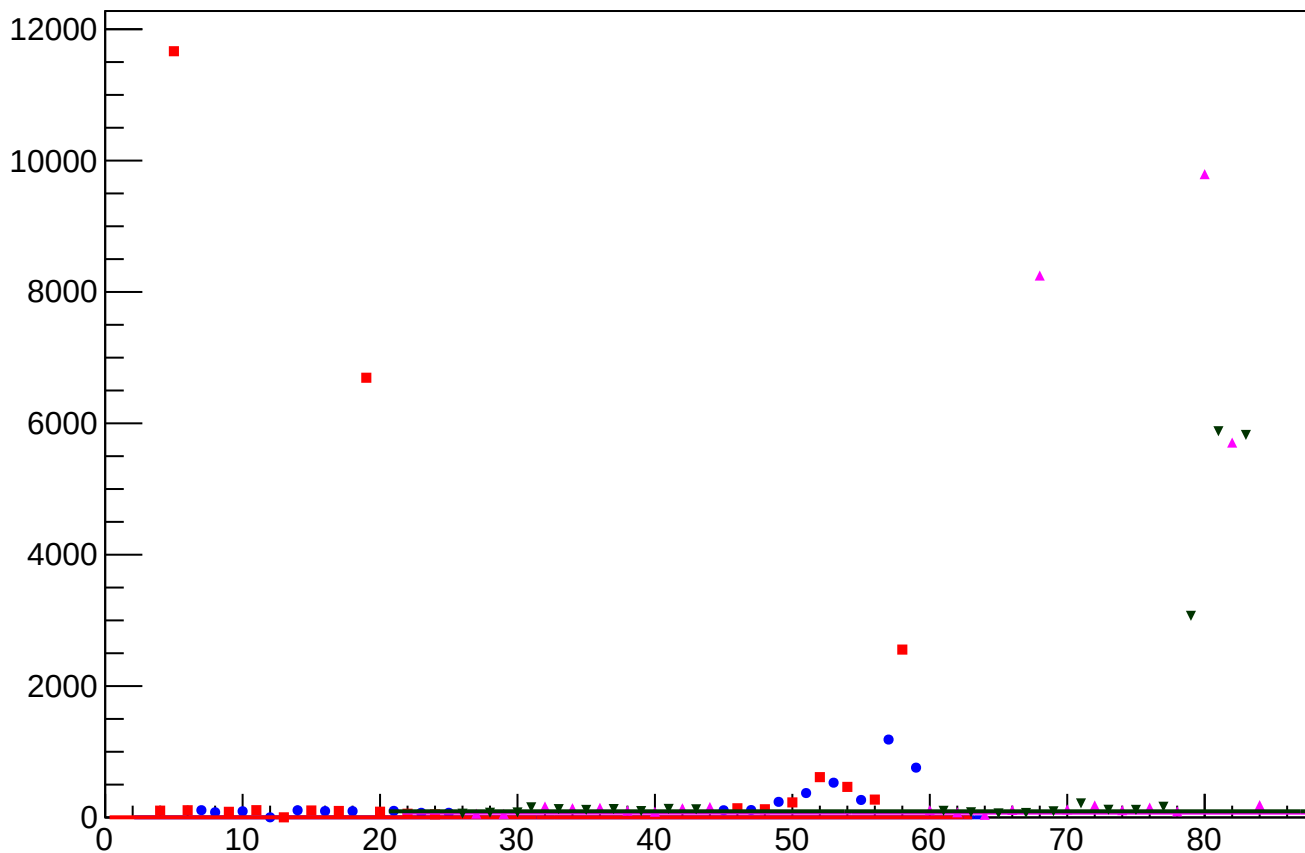
Right Out: -0.003 $\pm$ 0.003 χ^2/NDF : 21.1/18

Left In: 0.099 $\pm$ 0.037 χ^2/NDF : 20.3/21

-0.003 $\pm$ 0.003 χ^2/NDF : 47.6/39

-0.002 $\pm$ 0.003 χ^2/NDF : 48.9/40

diff_cav4dY_rms vs slug



Right In: 2.214 $\pm$ 0.002 χ^2/NDF : 9160380.4/17

Left Out: 93.637 $\pm$ 0.031 χ^2/NDF : 2875930.2/21

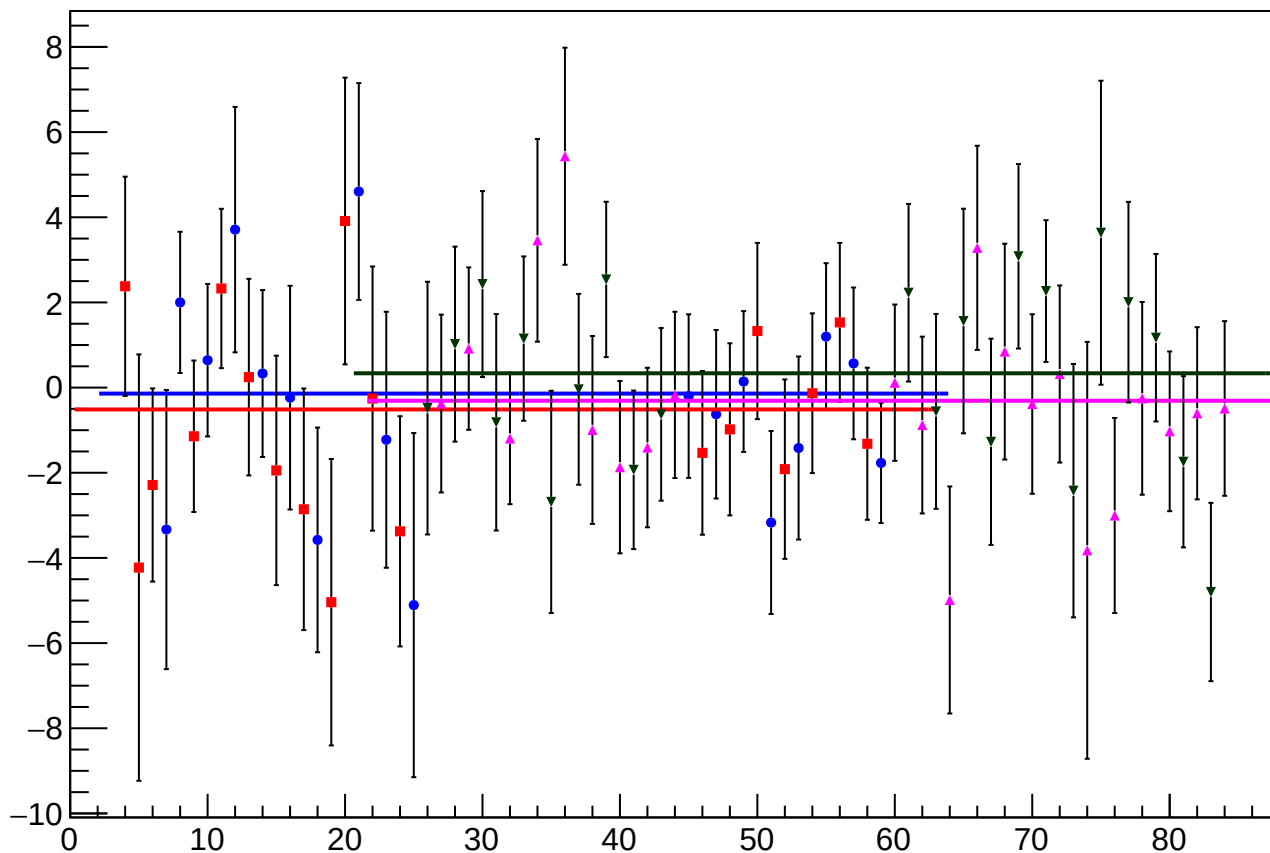
Right Out: 2.101 $\pm$ 0.002 χ^2/NDF : 6716516.3/18

Left In: 72.611 $\pm$ 0.026 χ^2/NDF : 4892890.2/21

2.663 $\pm$ 0.002 χ^2/NDF : 20706915.7/39

2.568 $\pm$ 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: 0.336 ± 0.470 $\chi^2/\text{NDF}: 20.1/21$

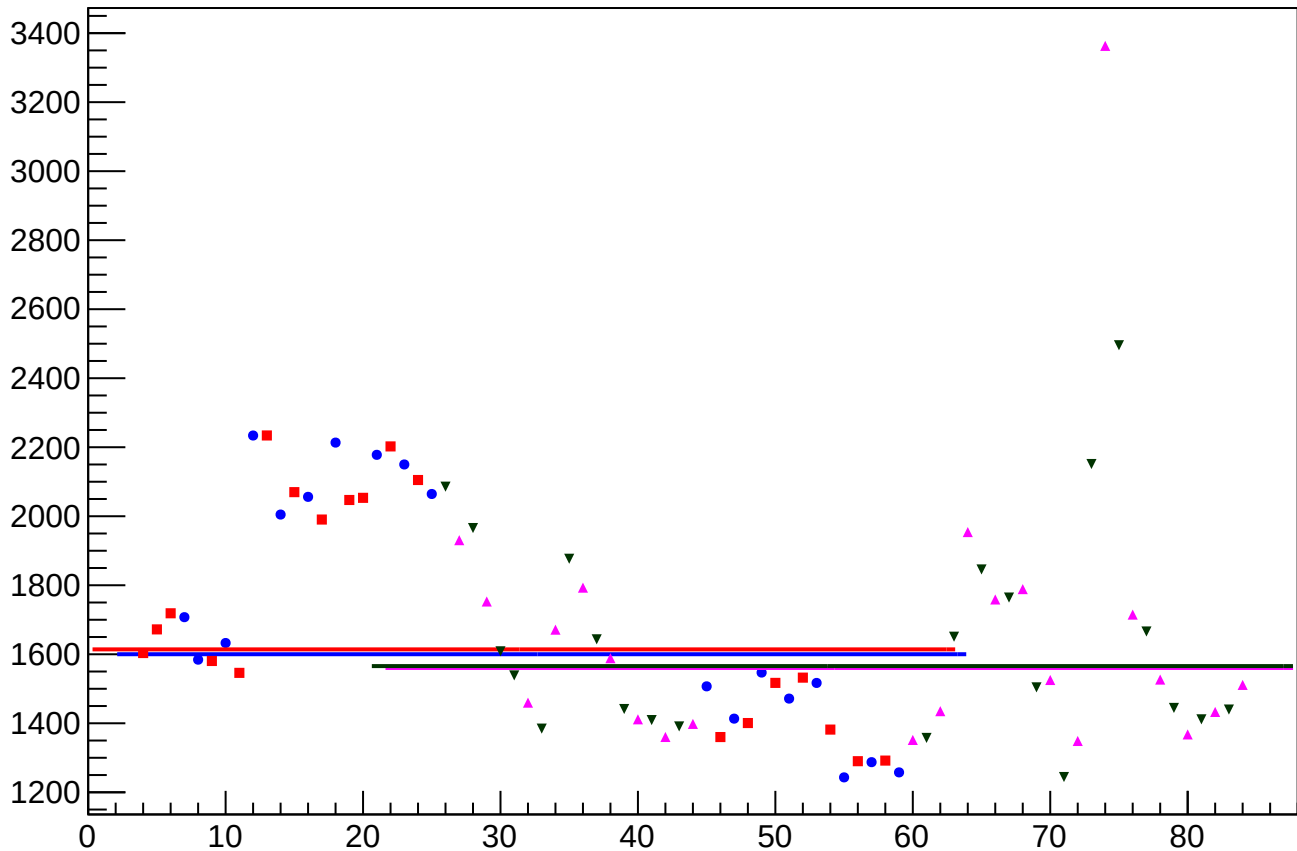
Right Out: -0.513 ± 0.519 $\chi^2/\text{NDF}: 13.6/18$

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

0.106 ± 0.338 $\chi^2/\text{NDF}: 36.6/39$

-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: 1565.733 $\pm$ 0.332 χ^2 /NDF: 588647.5/21

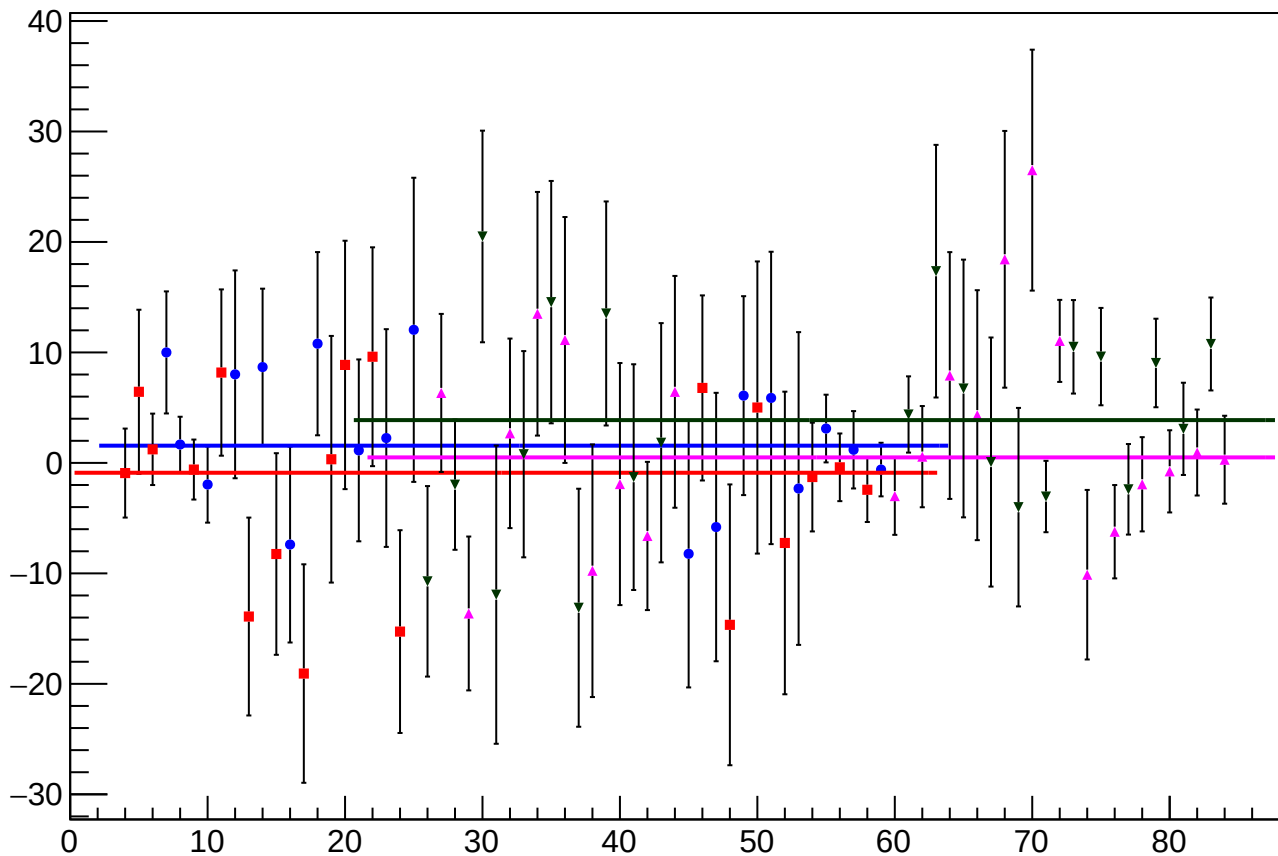
1582.358 $\pm$ 0.239 χ^2 /NDF: 1443581.8/39

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

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

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

diff_bpm4aY_mean vs slug



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

Left Out: 3.874 ± 1.219 χ^2/NDF : 30.8/21

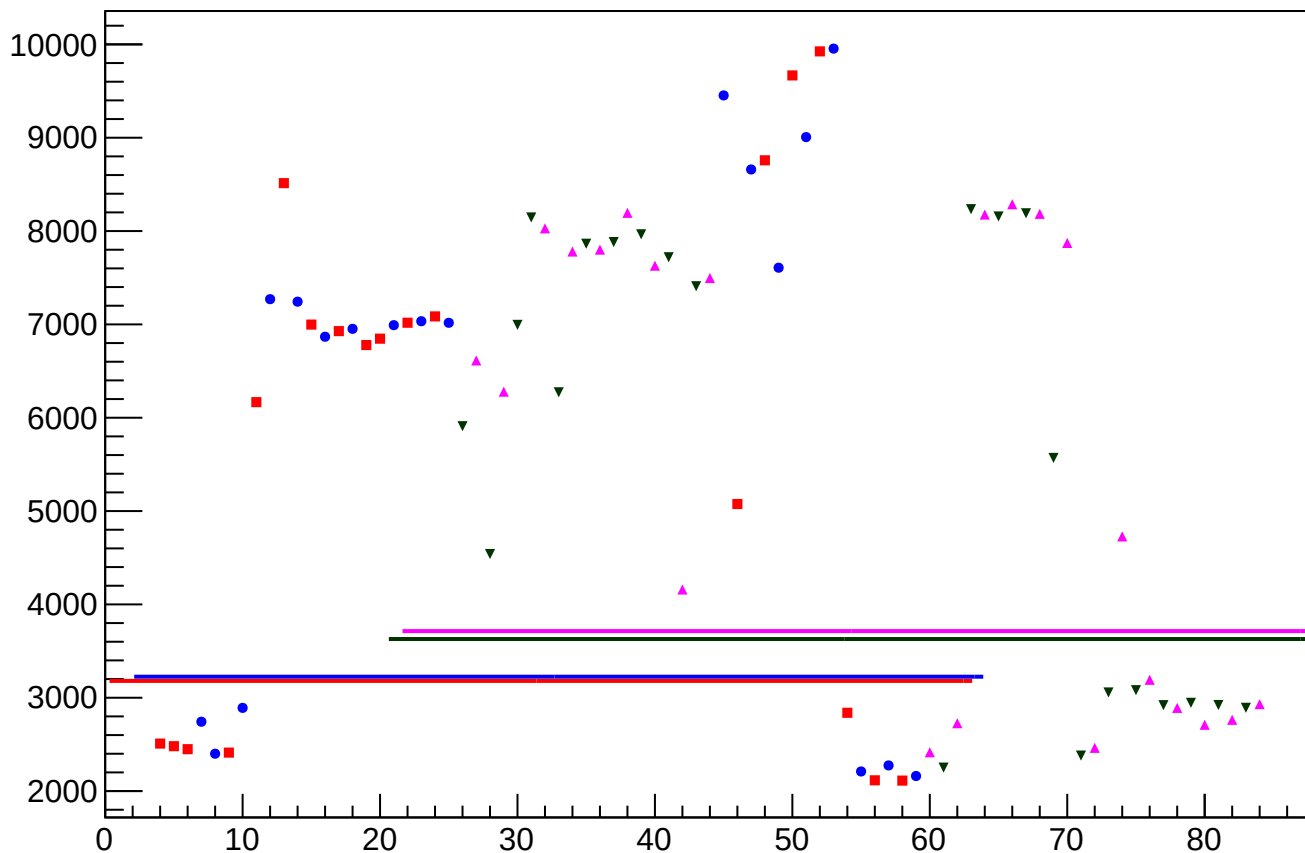
2.648 ± 0.836 χ^2/NDF : 42.9/39

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

-0.206 ± 0.852 χ^2/NDF : 48.8/40

Left In: 0.499 ± 1.213 χ^2/NDF : 32.0/21

diff_bpm4aY_rms vs slug



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

Left Out: 3629.138+/-0.862 χ^2/NDF : 4326673.1/21

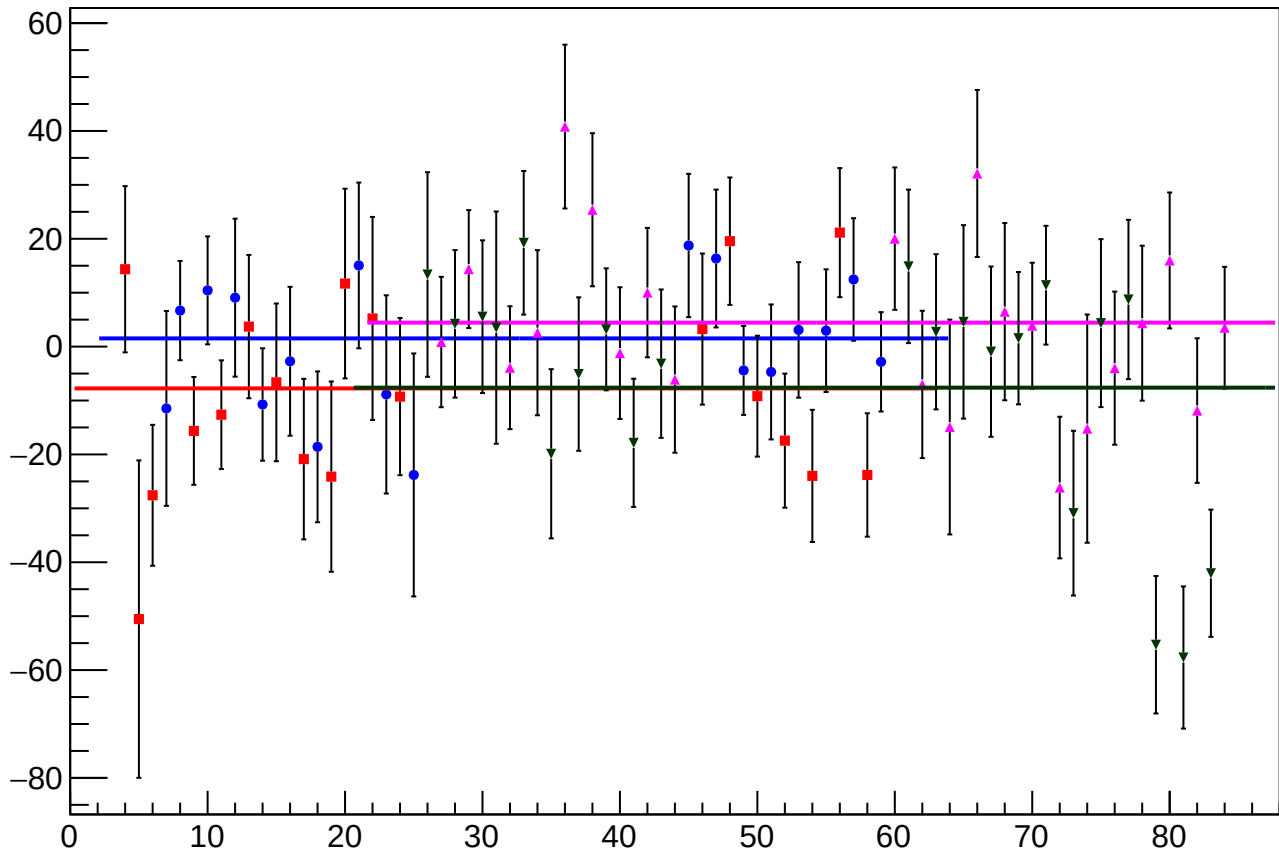
Right Out: 3180.260+/-0.846 χ^2/NDF : 5053490.5/18

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

3415.190+/-0.591 χ^2/NDF : 10303708.4/39

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: -7.616 ± 2.963 $\chi^2/\text{NDF}: 57.8/21$

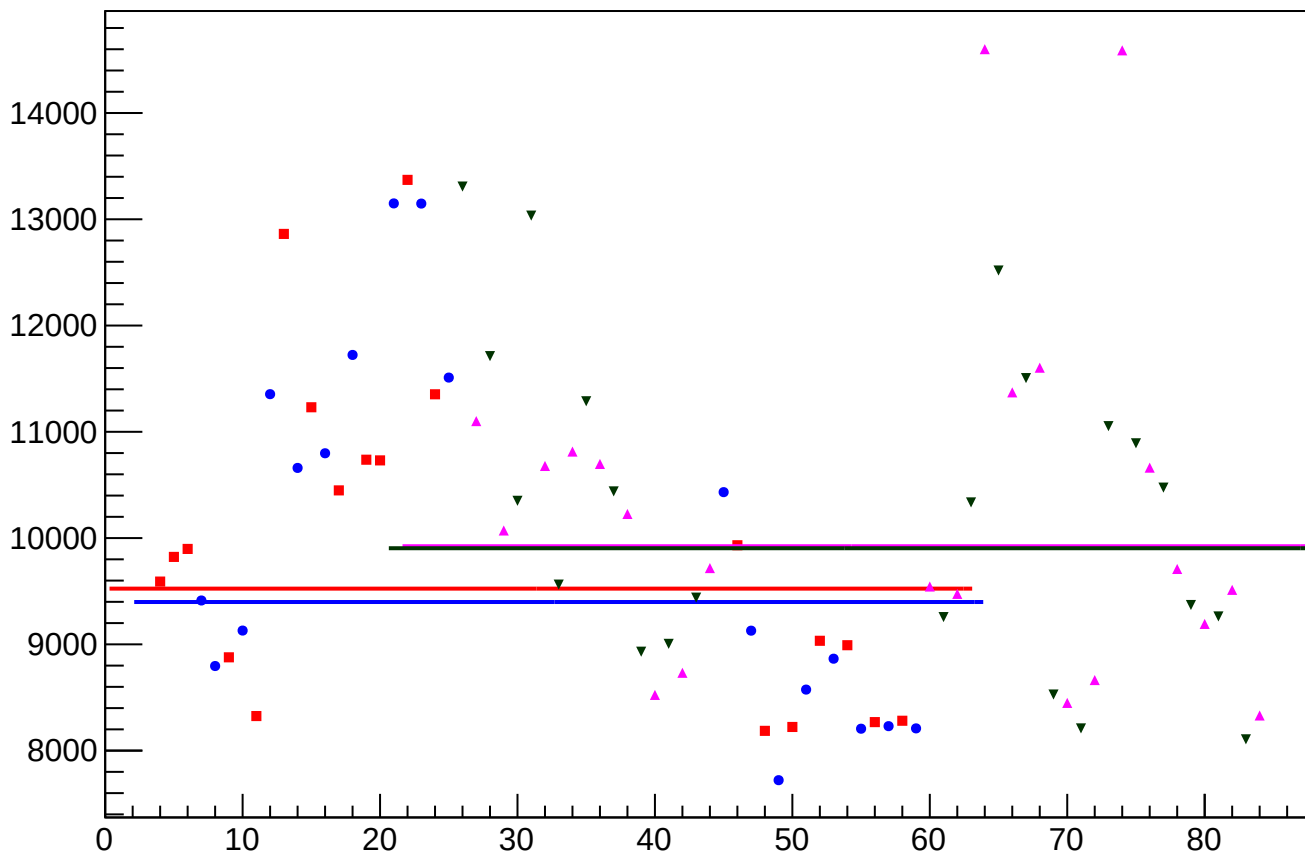
Right Out: -7.752 ± 3.046 $\chi^2/\text{NDF}: 27.5/18$

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

-2.841 ± 2.048 $\chi^2/\text{NDF}: 75.5/39$

-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: 9904.482 $\pm$ 2.095 χ^2 /NDF:410176.1/21

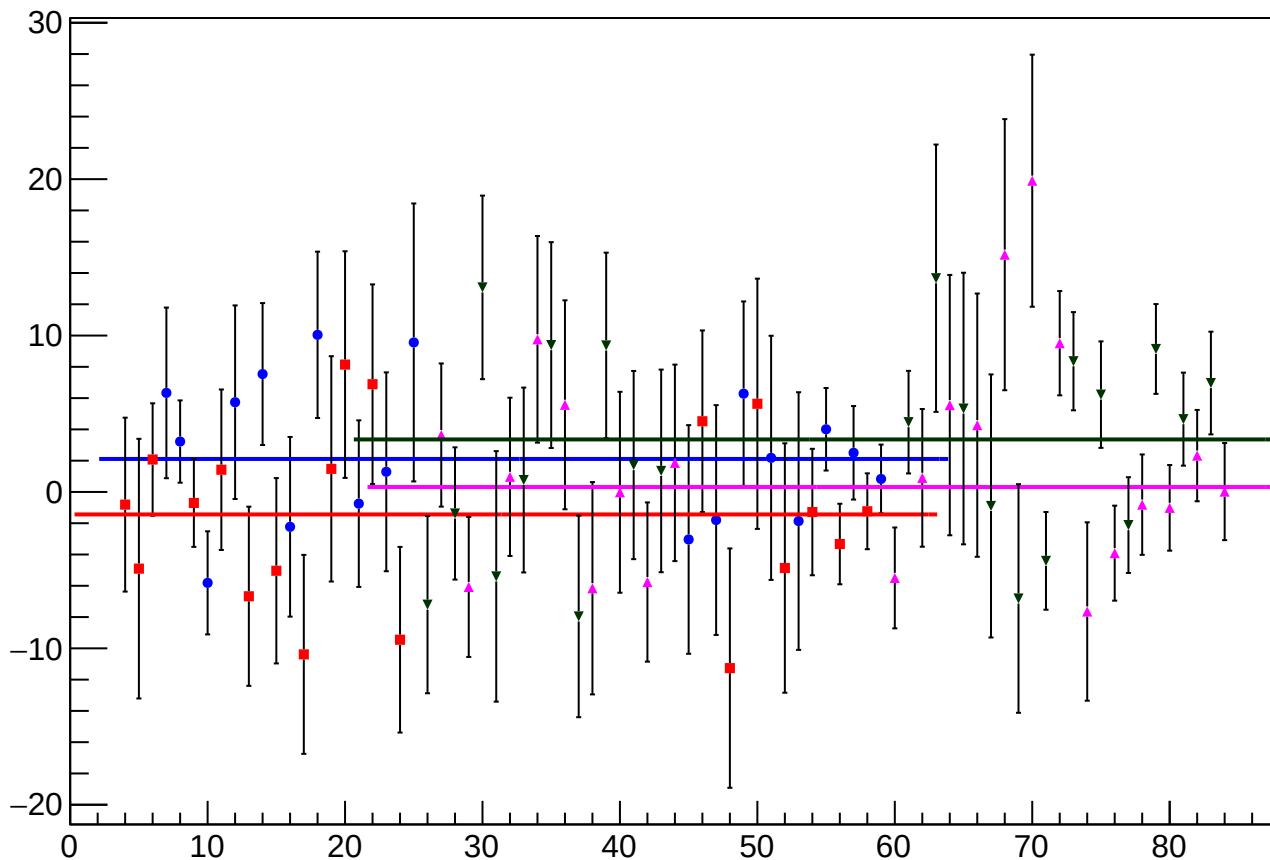
Right Out: 9524.317 $\pm$ 2.154 χ^2 /NDF: 440161.2/18

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

9639.994 $\pm$ 1.448 χ^2 /NDF: 995536.5/39

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

diff_bpm4eY_mean vs slug



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

Left Out: 3.358 ± 0.927 χ^2/NDF : 35.9/21

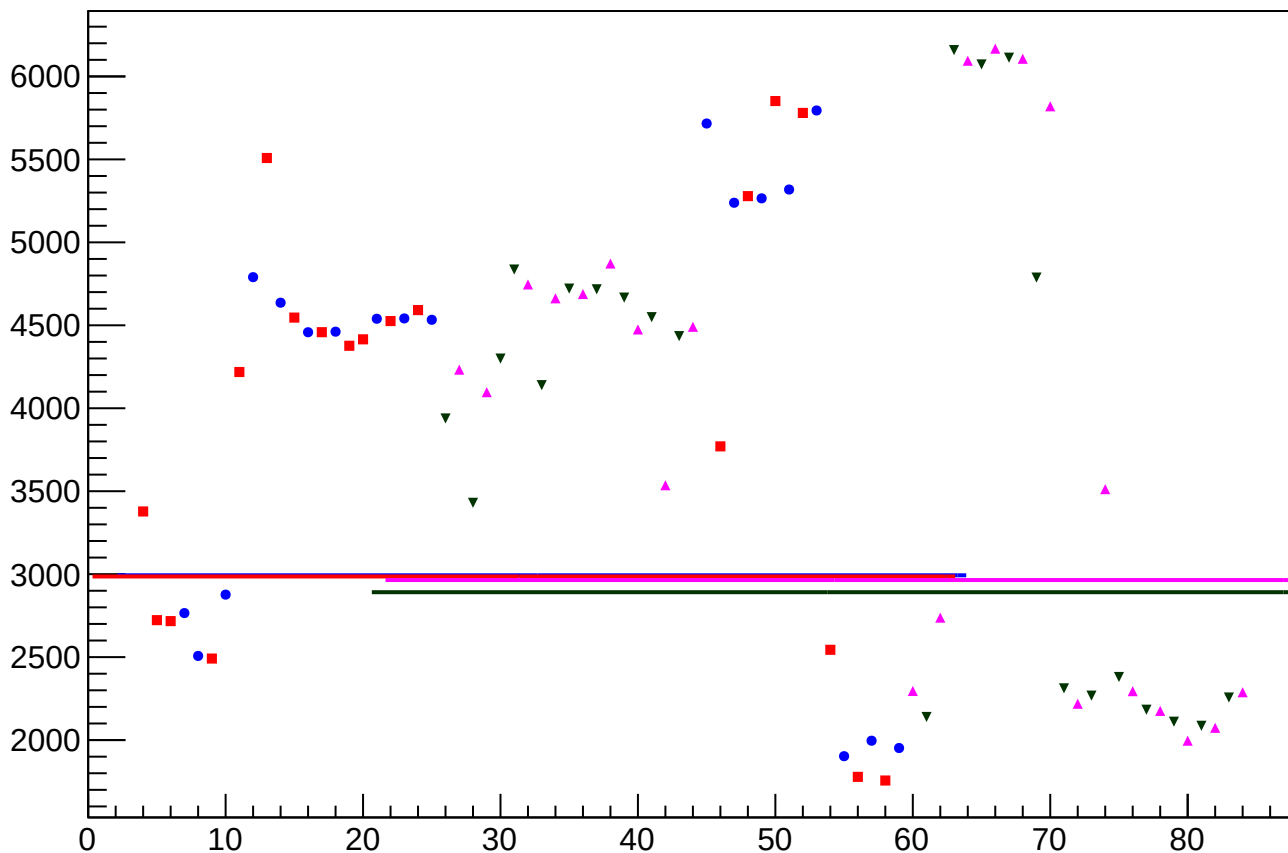
2.768 ± 0.673 χ^2/NDF : 51.3/39

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

-0.456 ± 0.690 χ^2/NDF : 48.7/40

Left In: 0.315 ± 0.922 χ^2/NDF : 32.7/21

diff_bpm4eY_rms vs slug



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

Left Out: 2891.306 $\pm$ 0.655 χ^2 /NDF: 2945854.3/21

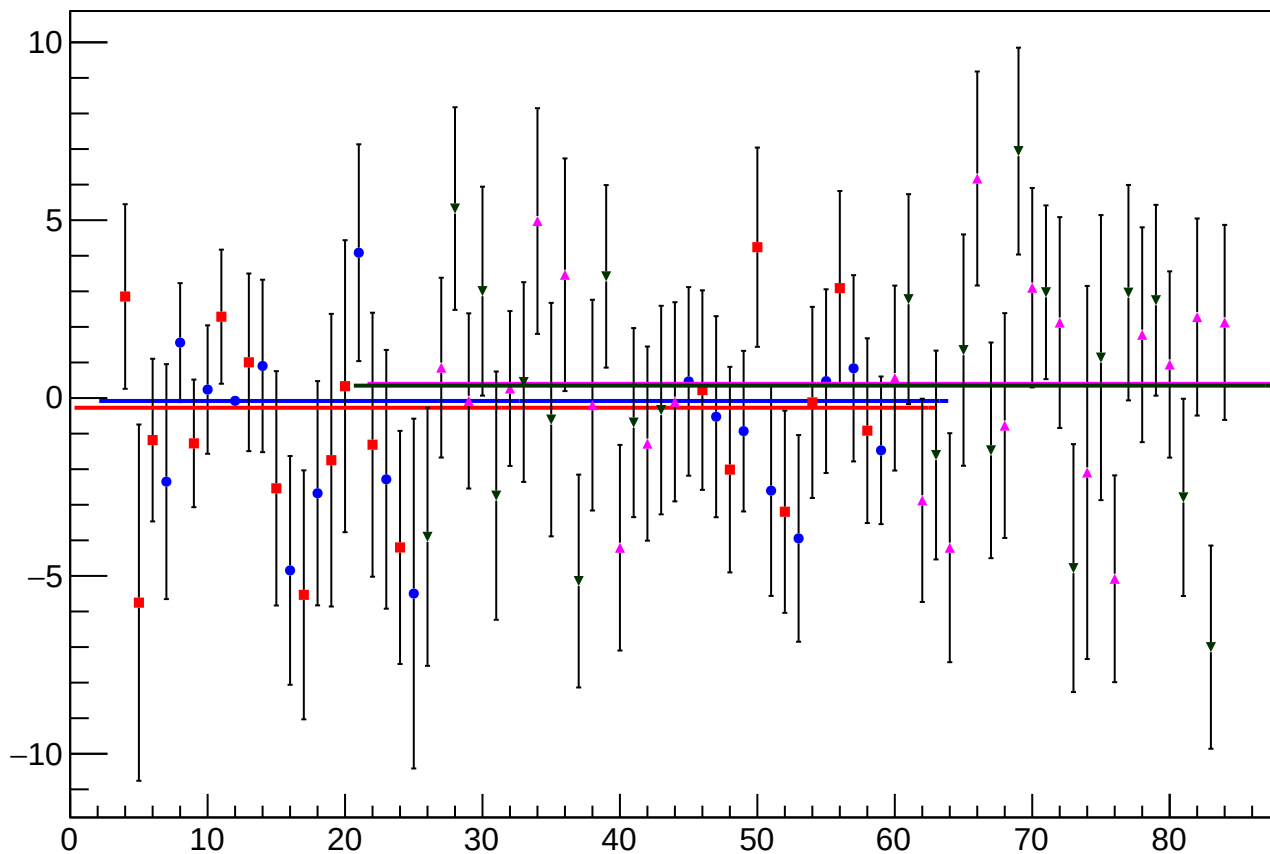
2939.469 $\pm$ 0.476 χ^2 /NDF: 6275409.8/39

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 $\chi^2/\text{NDF}: 11.3/17$

Left Out: 0.349 ± 0.632 $\chi^2/\text{NDF}: 30.7/21$

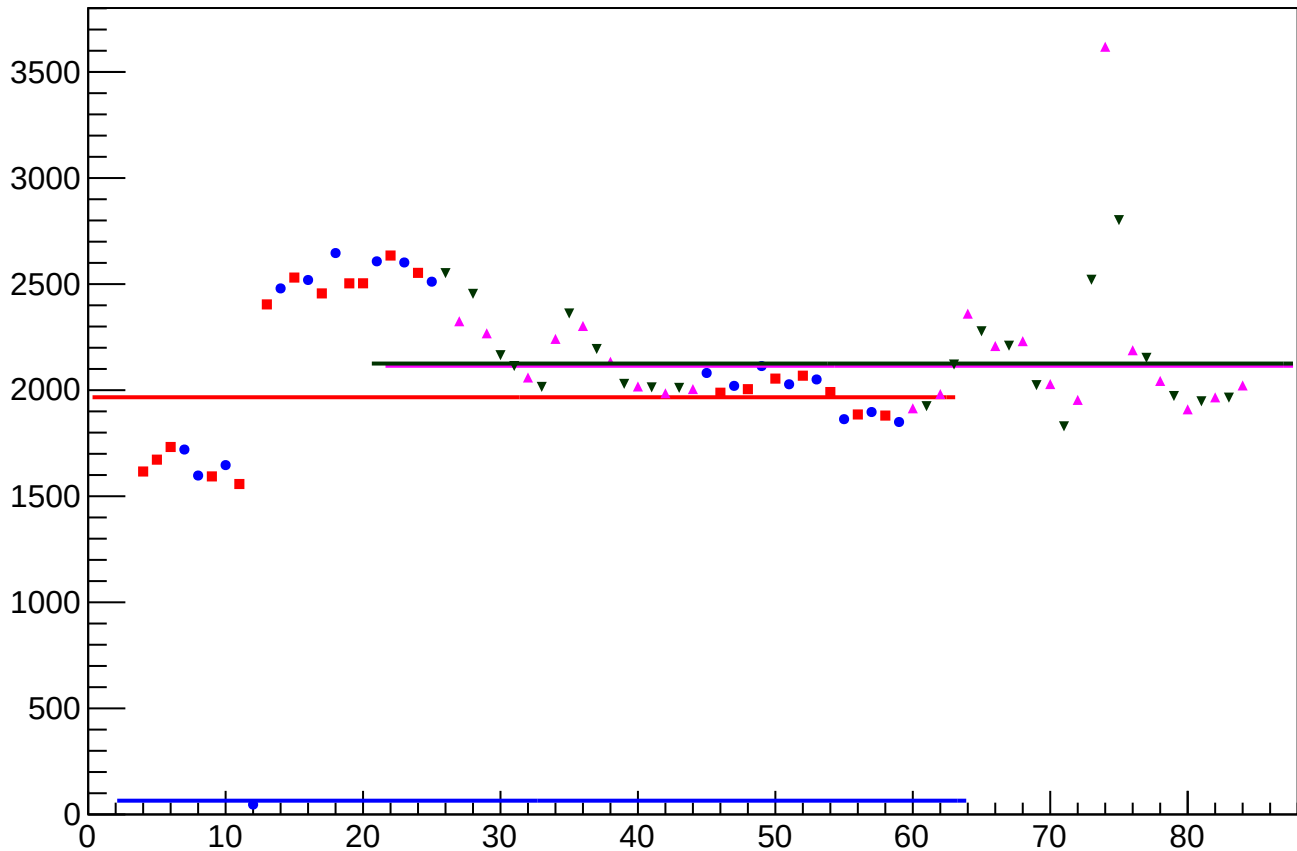
Right Out: -0.272 ± 0.631 $\chi^2/\text{NDF}: 15.3/18$

Left In: 0.400 ± 0.607 $\chi^2/\text{NDF}: 19.4/21$

-0.078 ± 0.060 $\chi^2/\text{NDF}: 42.4/39$

0.077 ± 0.438 $\chi^2/\text{NDF}: 35.2/40$

diff_bpm4acX_rms vs slug



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

Left Out: 2125.526+/-0.447 χ^2 /NDF: 229385.2/21

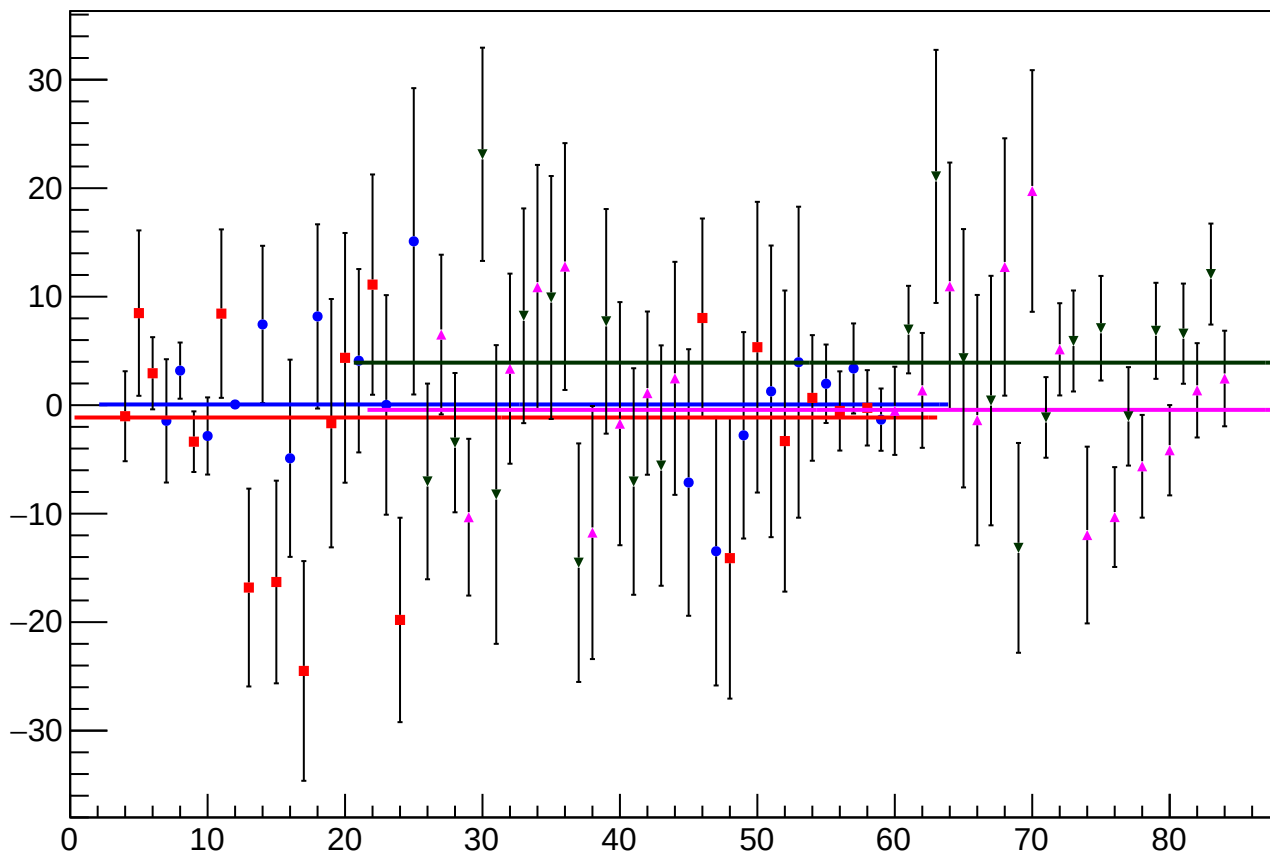
Right Out: 1966.634+/-0.446 χ^2 /NDF: 610680.3/18

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

83.349+/-0.042 χ^2 /NDF: 41562626.0/39

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: 3.919 ± 1.344 χ^2/NDF : 26.1/21

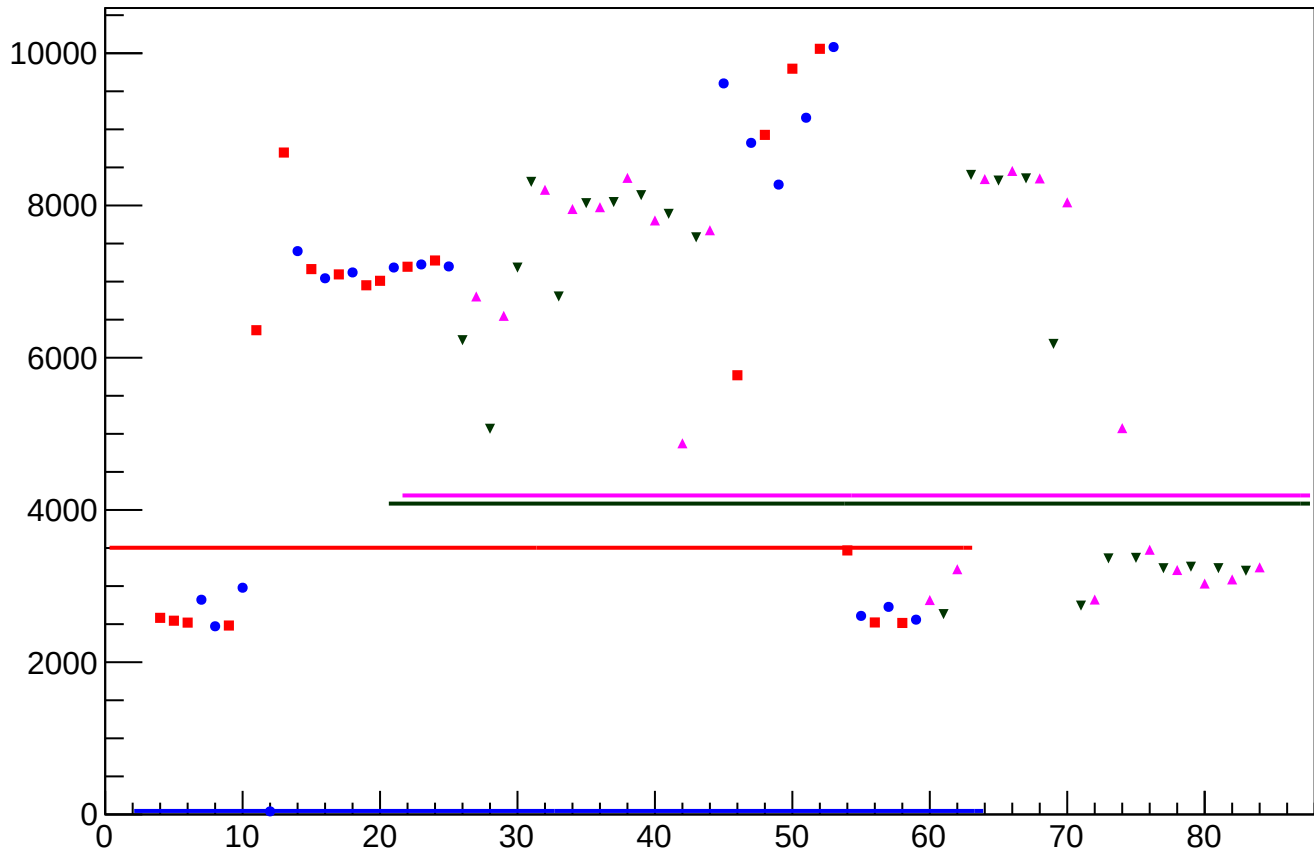
Right Out: -1.137 ± 1.295 χ^2/NDF : 24.2/18

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

0.071 ± 0.052 χ^2/NDF : 43.0/39

-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: 4083.703+/-0.950 χ^2 /NDF:3767054.9/21

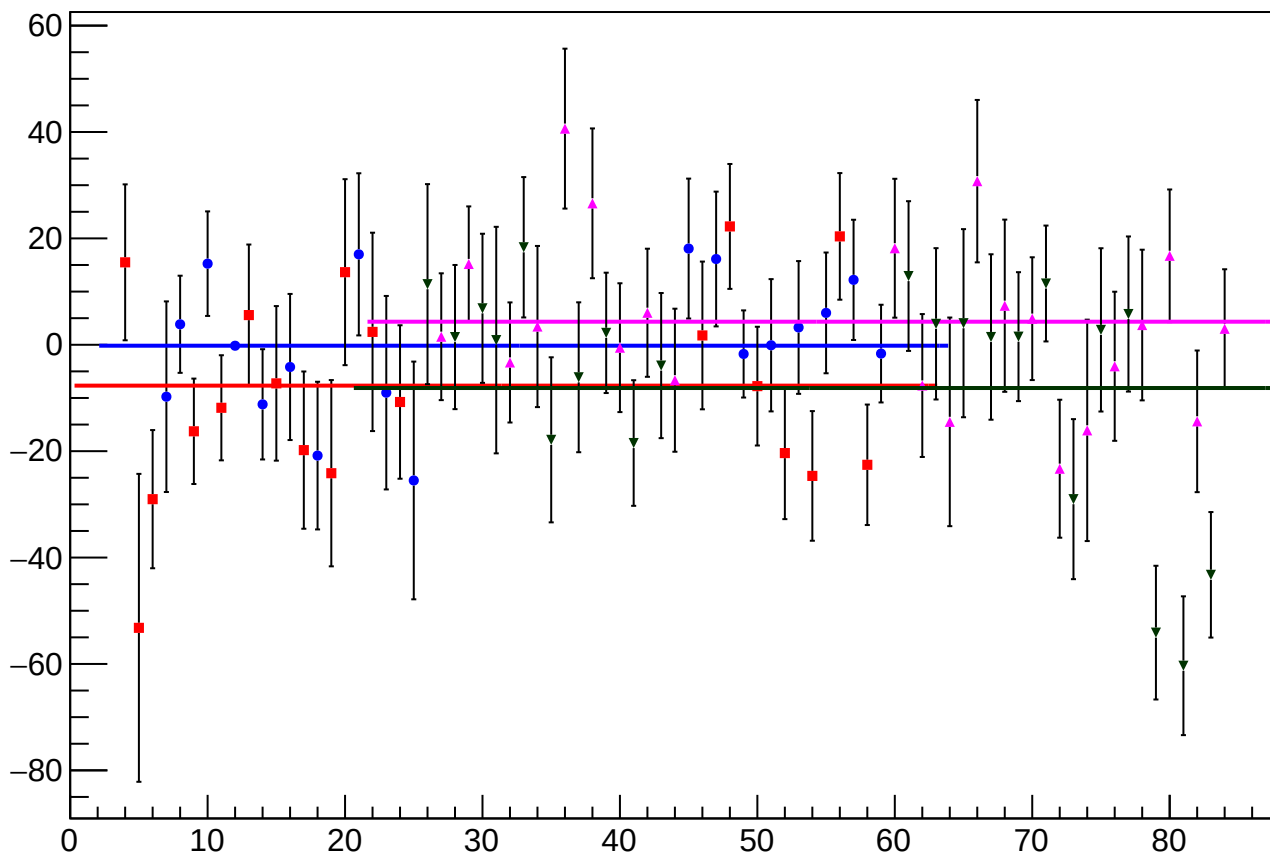
52.310+/-0.037 χ^2 /NDF: 41967443.1/39

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 $\chi^2/\text{NDF}: 14.4/17$

Left Out: -8.127 ± 2.934 $\chi^2/\text{NDF}: 58.3/21$

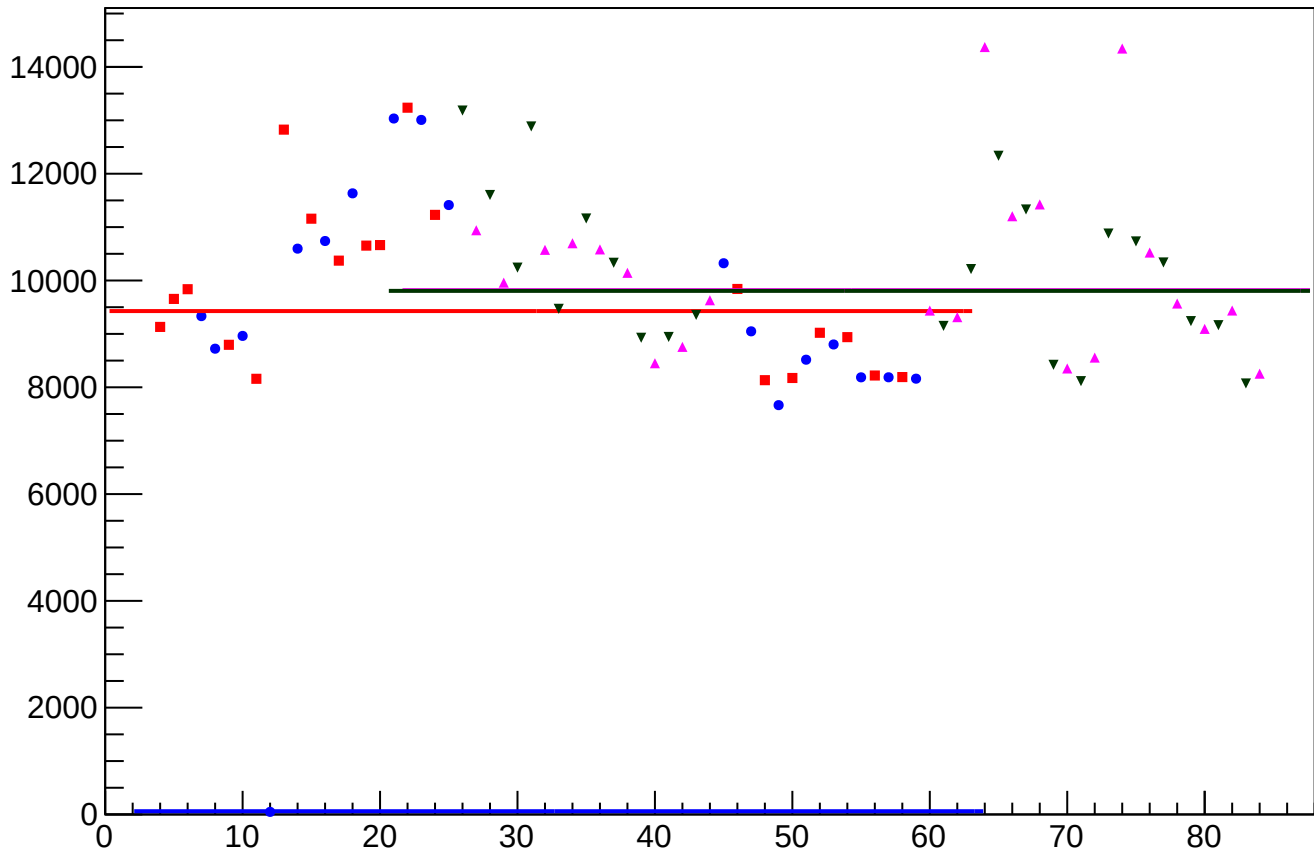
Right Out: -7.679 ± 3.015 $\chi^2/\text{NDF}: 30.2/18$

Left In: 4.338 ± 2.834 $\chi^2/\text{NDF}: 25.4/21$

-0.184 ± 0.106 $\chi^2/\text{NDF}: 80.1/39$

-1.298 ± 2.065 $\chi^2/\text{NDF}: 64.1/40$

diff_bpm4ecX_rms vs slug



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

Left Out: 9805.880 $\pm$ 2.074 χ^2 /NDF: 400410.5/21

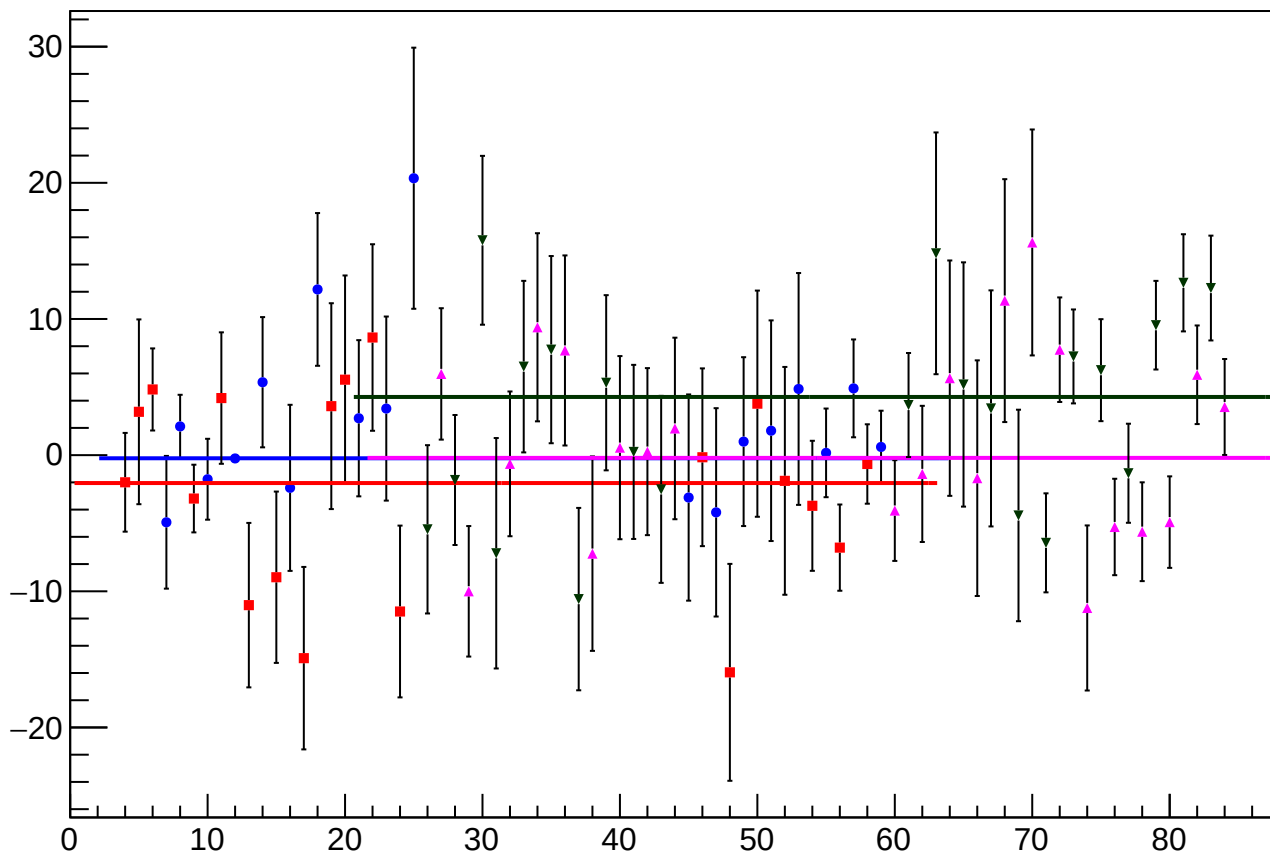
Right Out: 9427.549 $\pm$ 2.132 χ^2 /NDF: 447350.4/18

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

73.559 $\pm$ 0.075 χ^2 /NDF: 43562252.6/39

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: 4.273 ± 1.043 χ^2/NDF : 43.3/21

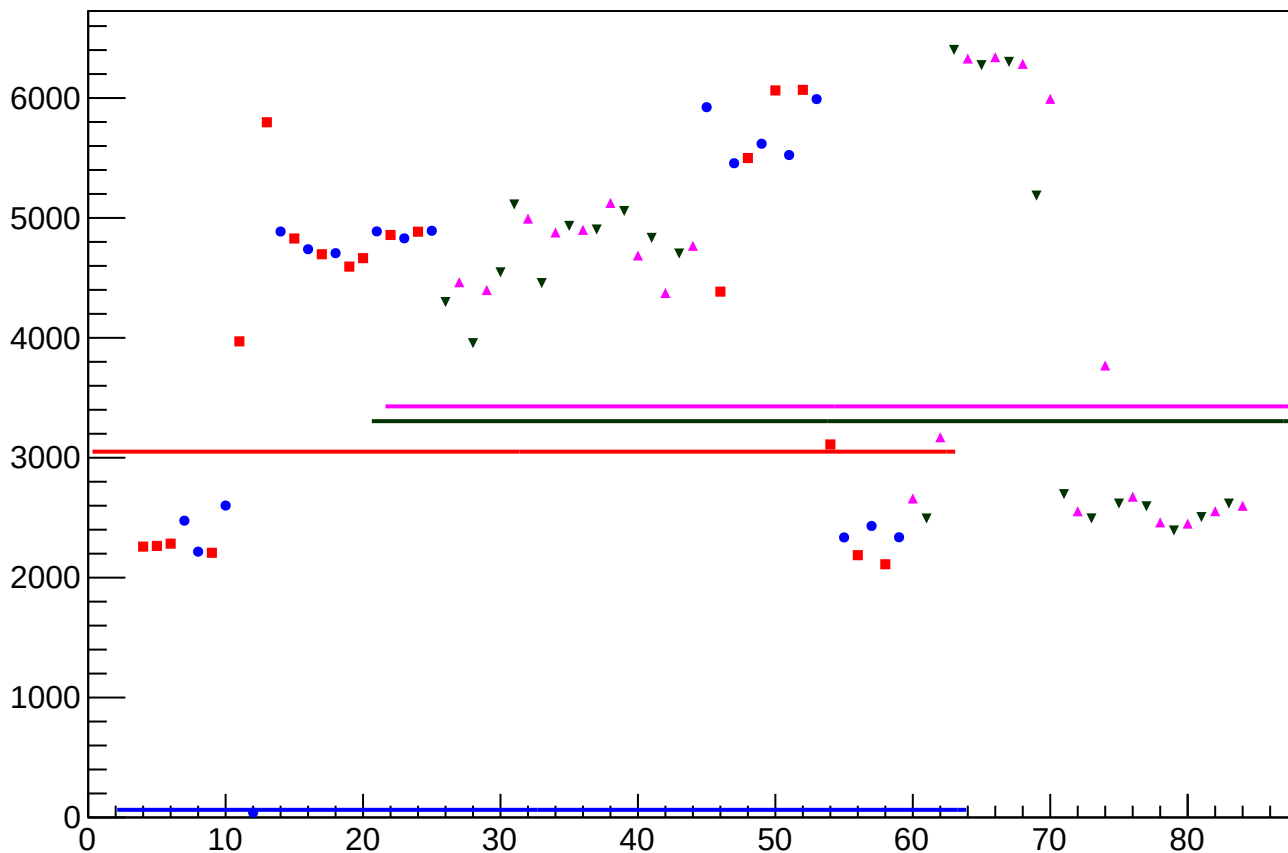
Right Out: -2.049 ± 1.055 χ^2/NDF : 27.2/18

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

-0.197 ± 0.090 χ^2/NDF : 78.6/39

-1.115 ± 0.742 χ^2/NDF : 63.6/40

diff_bpm4ecY_rms vs slug



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

Left Out: 3305.143+/-0.738 χ^2/NDF : 2439201.3/21

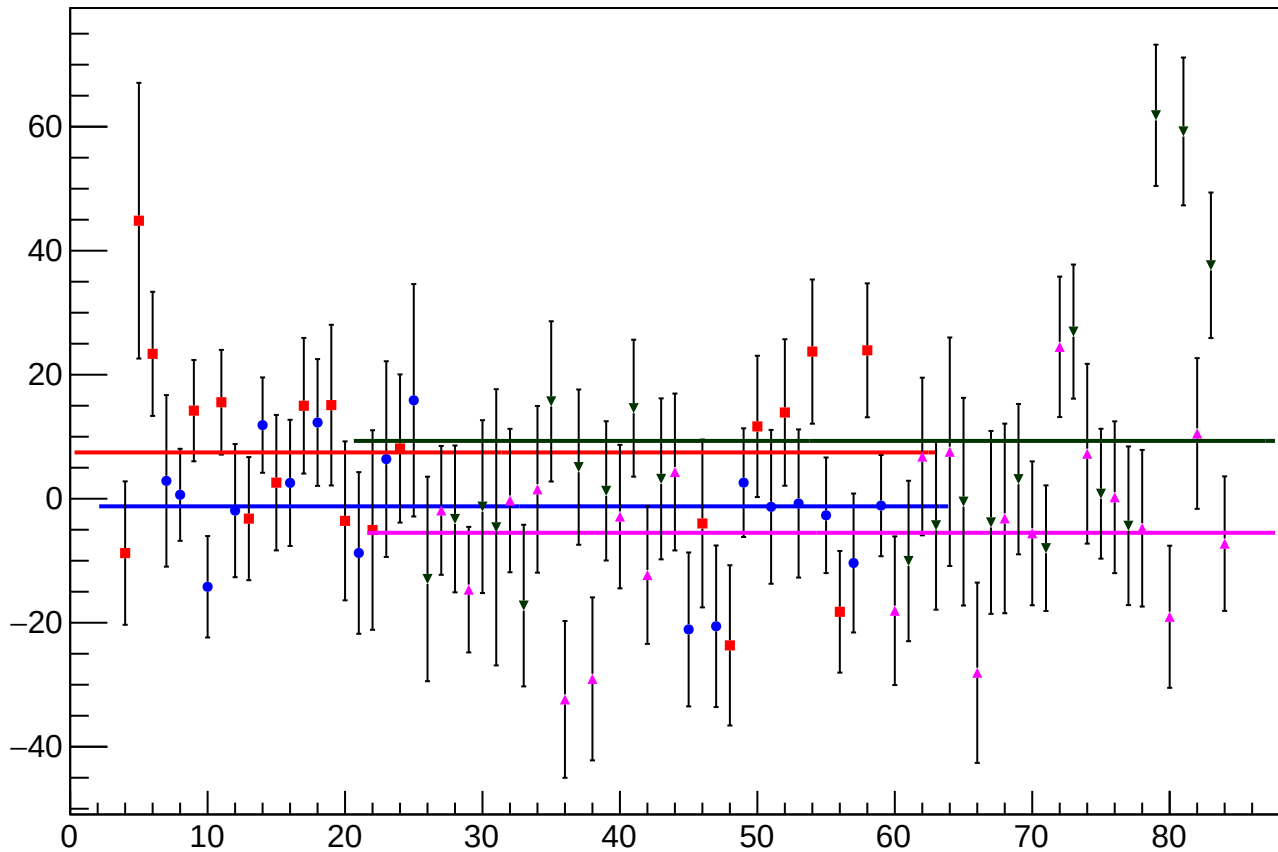
Right Out: 3050.872+/-0.746 χ^2/NDF : 2882138.2/18

Left In: 3428.419+/-0.738 χ^2/NDF : 2515099.9/21

87.567+/-0.063 χ^2/NDF : 41877061.4/39

3241.669+/-0.525 χ^2/NDF : 5526576.0/40

diff_bpm1X_mean vs slug



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

Left Out: 9.324 ± 2.671 χ^2/NDF : 66.0/21

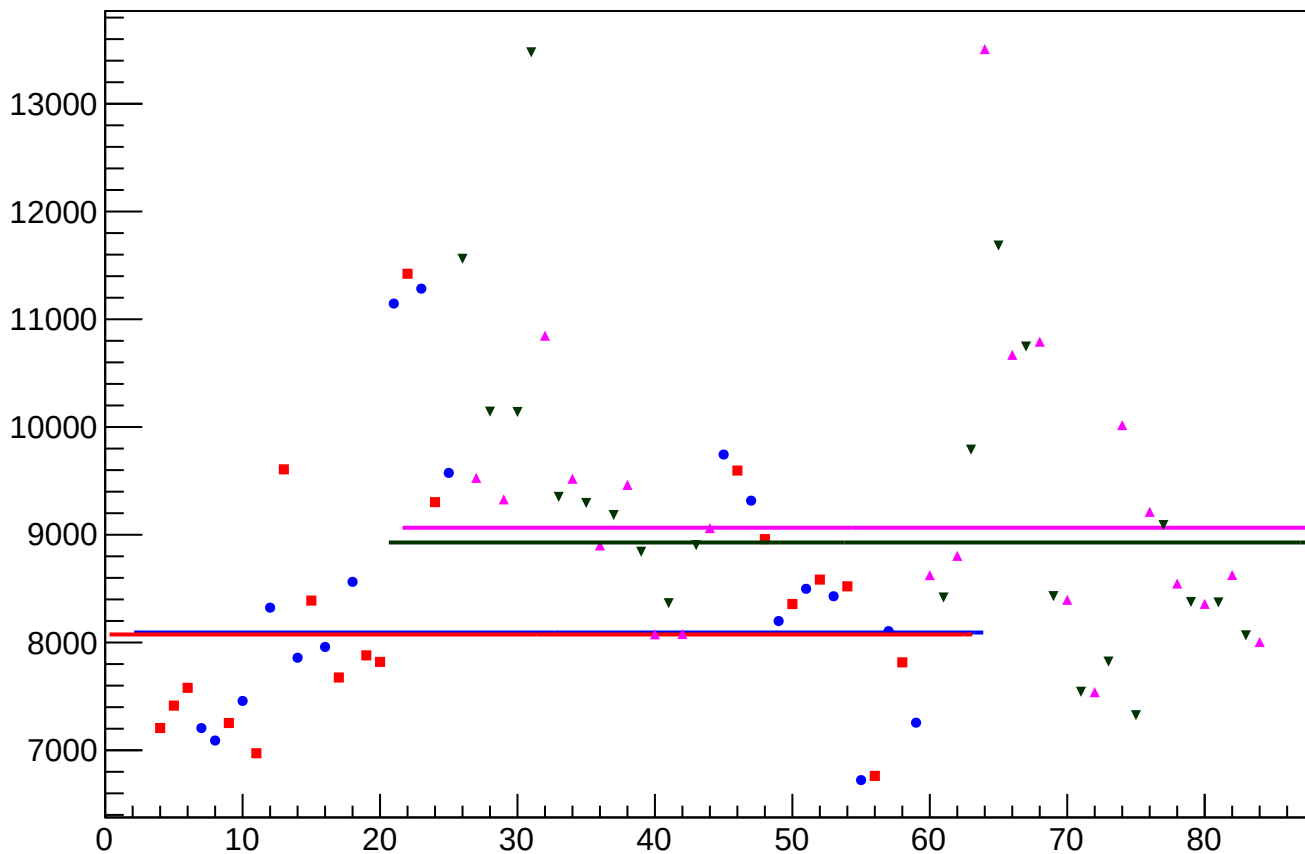
Right Out: 7.465 ± 2.574 χ^2/NDF : 30.5/18

Left In: -5.494 ± 2.610 χ^2/NDF : 26.3/21

3.550 ± 1.798 χ^2/NDF : 89.1/39

1.076 ± 1.833 χ^2/NDF : 69.3/40

diff_bpm1X_rms vs slug



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

Left Out: 8928.328 $\pm$ 1.889 χ^2 /NDF:404729.5/21

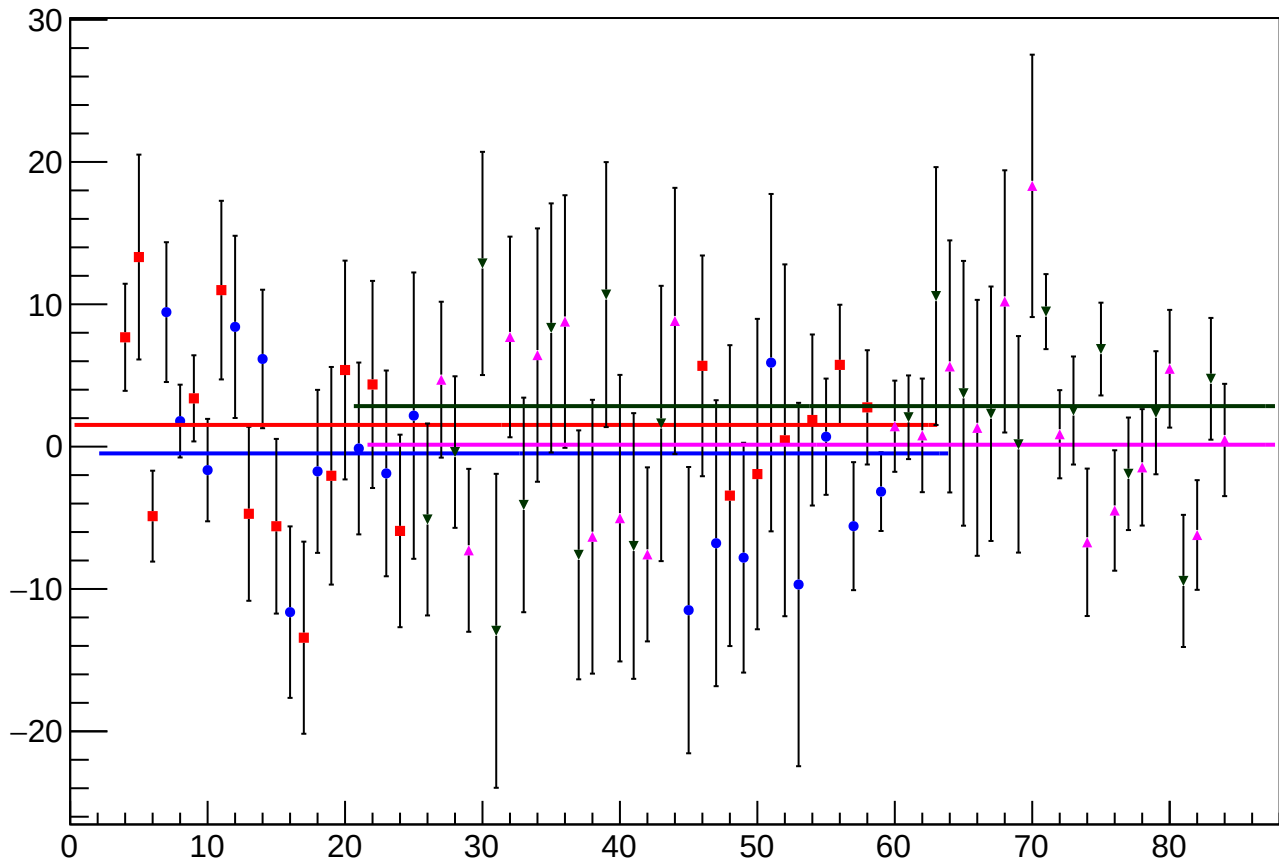
Right Out: 8074.654 $\pm$ 1.820 χ^2 /NDF: 312658.9/18

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

8471.227 $\pm$ 1.271 χ^2 /NDF: 901116.3/39

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

diff_bpm1Y_mean vs slug



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

Left Out: 2.846 ± 1.082 $\chi^2/\text{NDF}: 27.4/21$

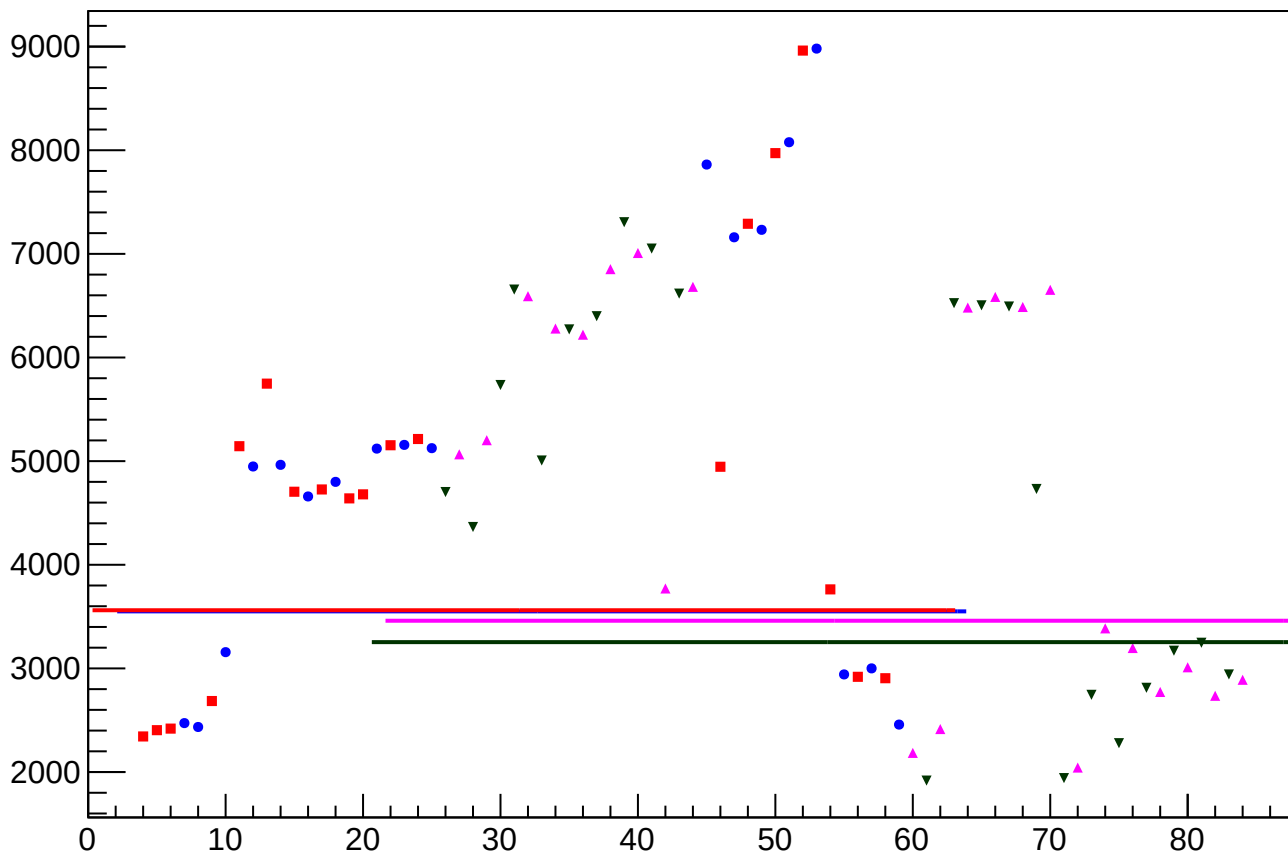
Right Out: 1.525 ± 1.232 $\chi^2/\text{NDF}: 22.9/18$

Left In: 0.134 ± 1.101 $\chi^2/\text{NDF}: 21.4/21$

1.303 ± 0.792 $\chi^2/\text{NDF}: 49.7/39$

0.752 ± 0.821 $\chi^2/\text{NDF}: 45.0/40$

diff_bpm1Y_rms vs slug



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

Left Out: 3253.607+/-0.765 χ^2/NDF : 4129512.4/21

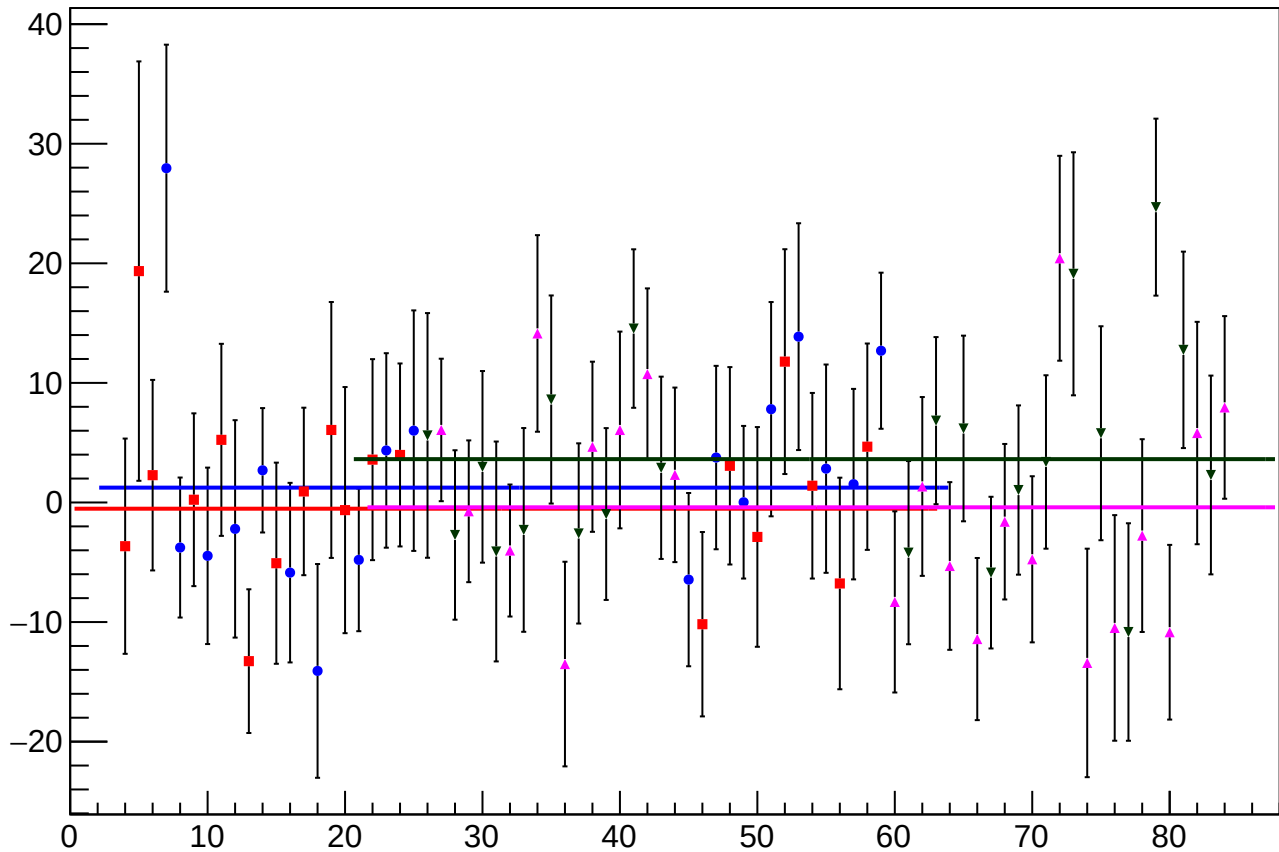
Right Out: 3561.233+/-0.871 χ^2/NDF : 2618224.4/18

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

3391.506+/-0.560 χ^2/NDF : 7493462.2/39

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: 3.624 ± 1.665 χ^2/NDF : 24.2/21

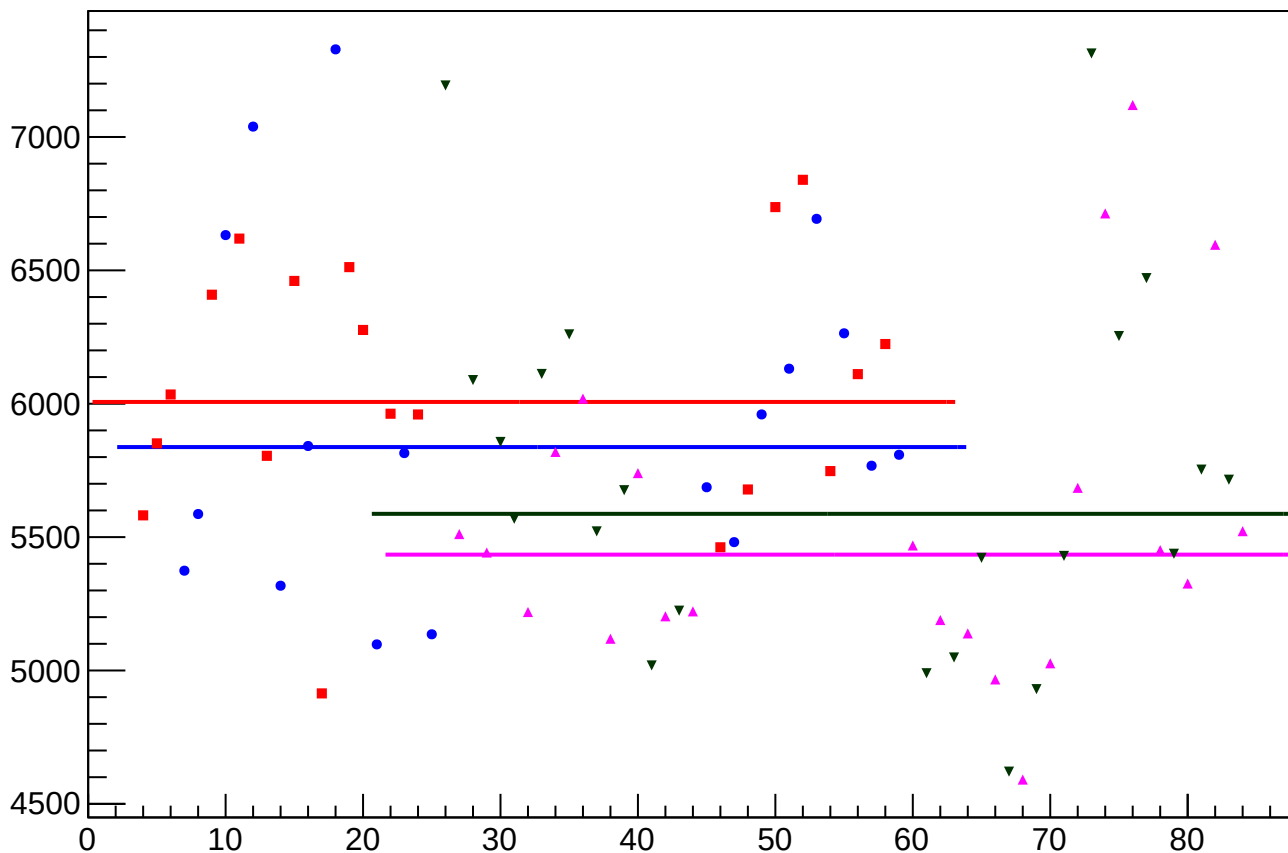
Right Out: -0.521 ± 1.907 χ^2/NDF : 12.3/18

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

2.493 ± 1.207 χ^2/NDF : 45.3/39

-0.451 ± 1.207 χ^2/NDF : 40.5/40

diff_bpm11X_rms vs slug



Right In: 5837.587+/-1.239 χ^2/NDF : 211311.8/17

Left Out: 5587.278+/-1.178 χ^2/NDF :280146.8/21

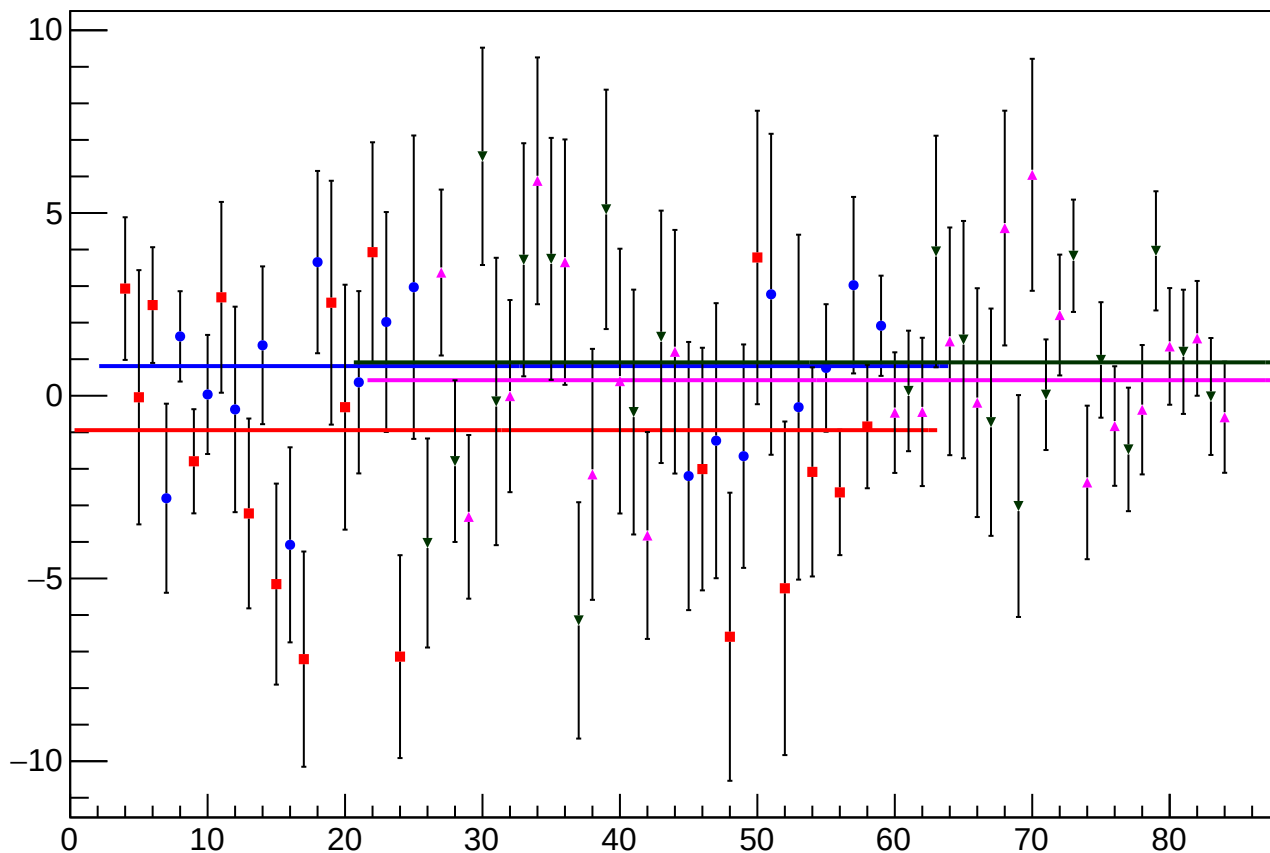
Right Out: 6006.736+/-1.348 χ^2/NDF : 130455.1/18

Left In: 5434.332+/-1.103 χ^2/NDF :216711.5/21

5706.116+/-0.853 χ^2/NDF : 512912.1/39

5663.808+/-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: 0.913 ± 0.469 χ^2/NDF : 29.2/21

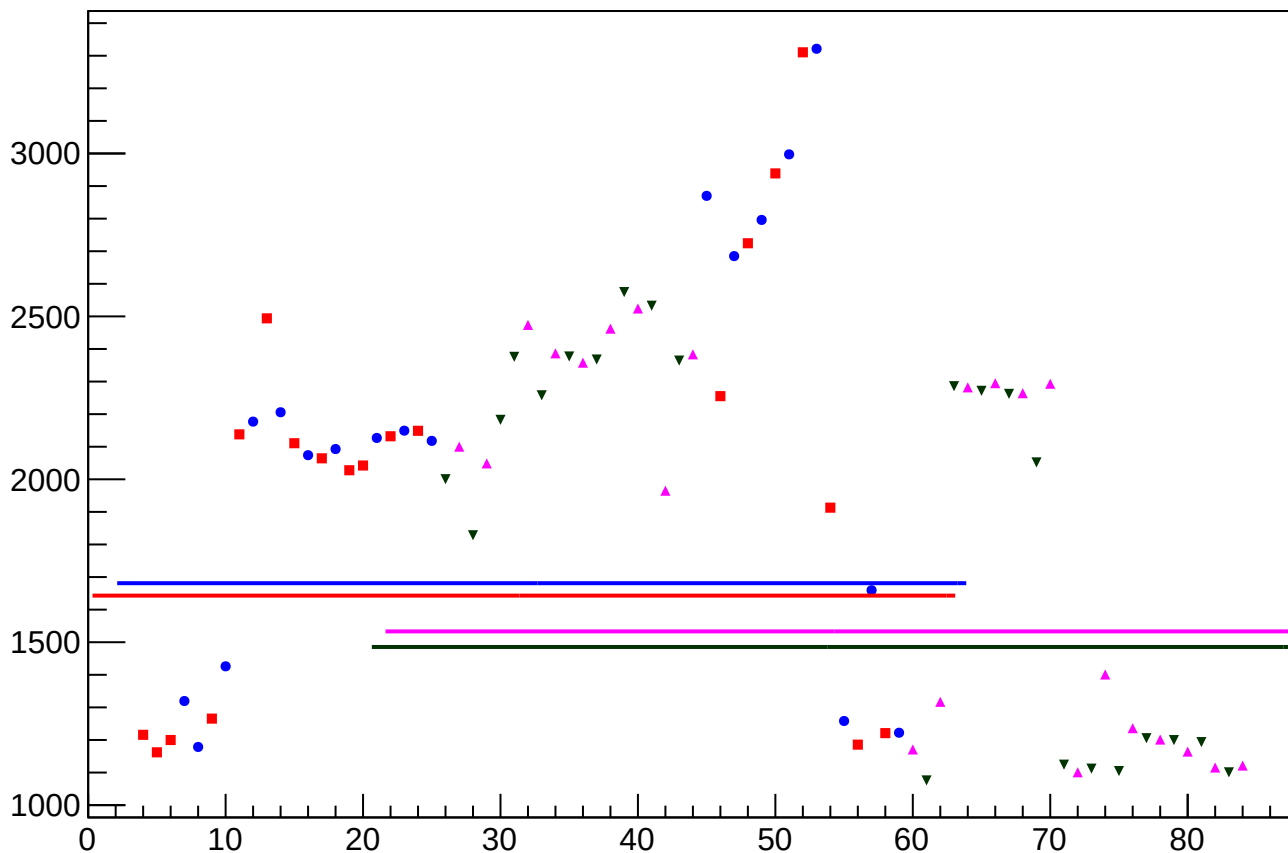
Right Out: -0.942 ± 0.553 χ^2/NDF : 32.9/18

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

0.868 ± 0.352 χ^2/NDF : 40.6/39

-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: 1485.428 $\pm$ 0.331 χ^2 /NDF:2485014.4/21

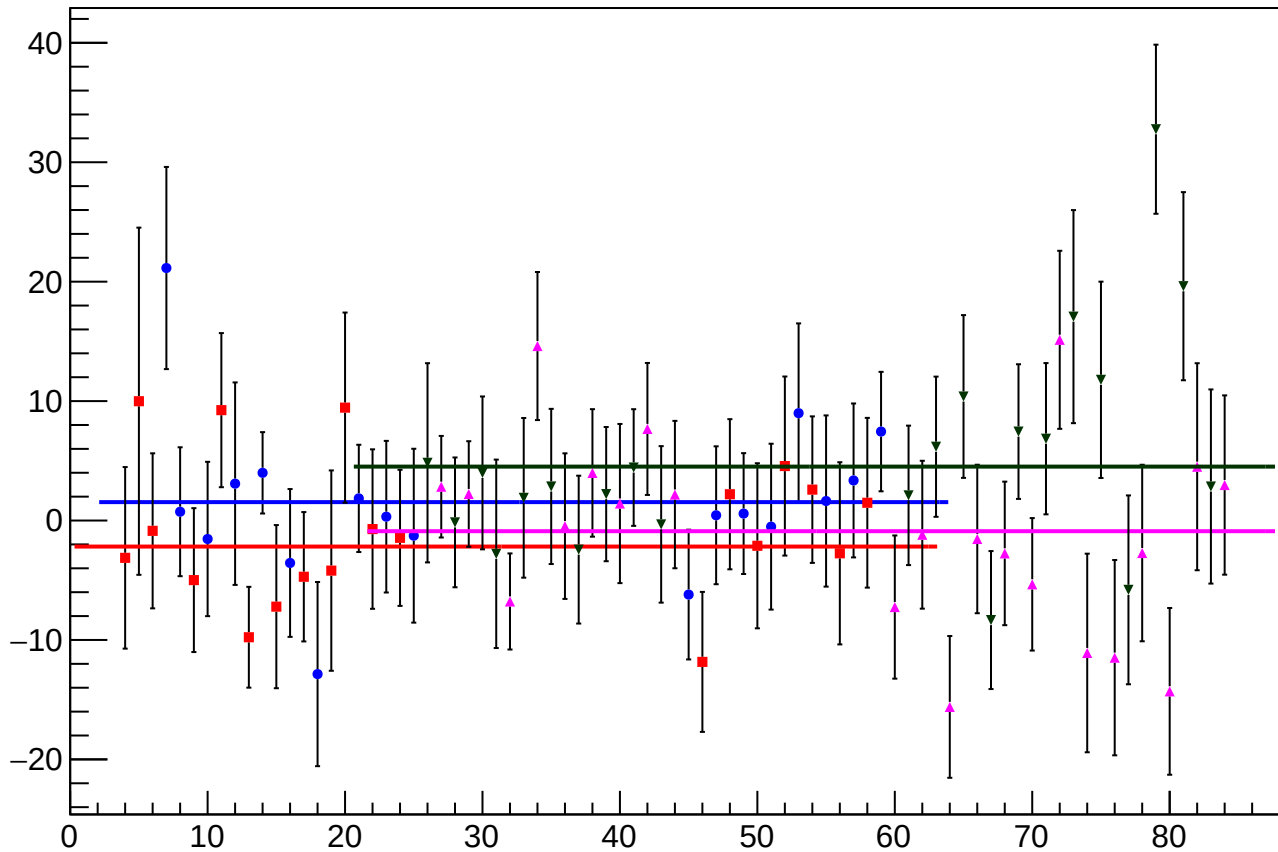
Right Out: 1643.071 $\pm$ 0.391 χ^2 /NDF: 1969332.5/18

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

1570.940 $\pm$ 0.249 χ^2 /NDF: 4850373.5/39

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: 4.515 ± 1.389 χ^2/NDF : 34.3/21

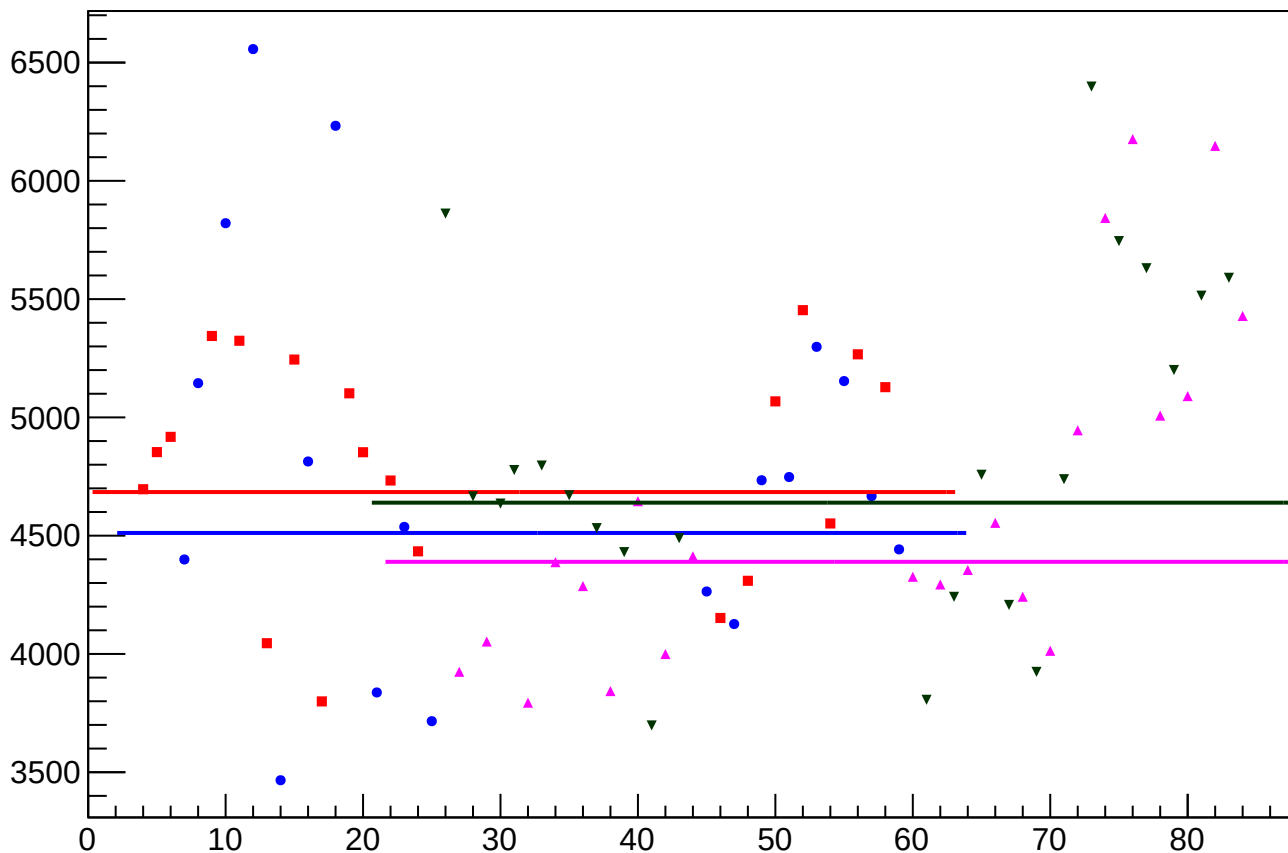
Right Out: -2.180 ± 1.492 χ^2/NDF : 15.2/18

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

3.007 ± 0.975 χ^2/NDF : 51.7/39

-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: 4639.533+/-0.982 χ^2/NDF : 427943.1/21

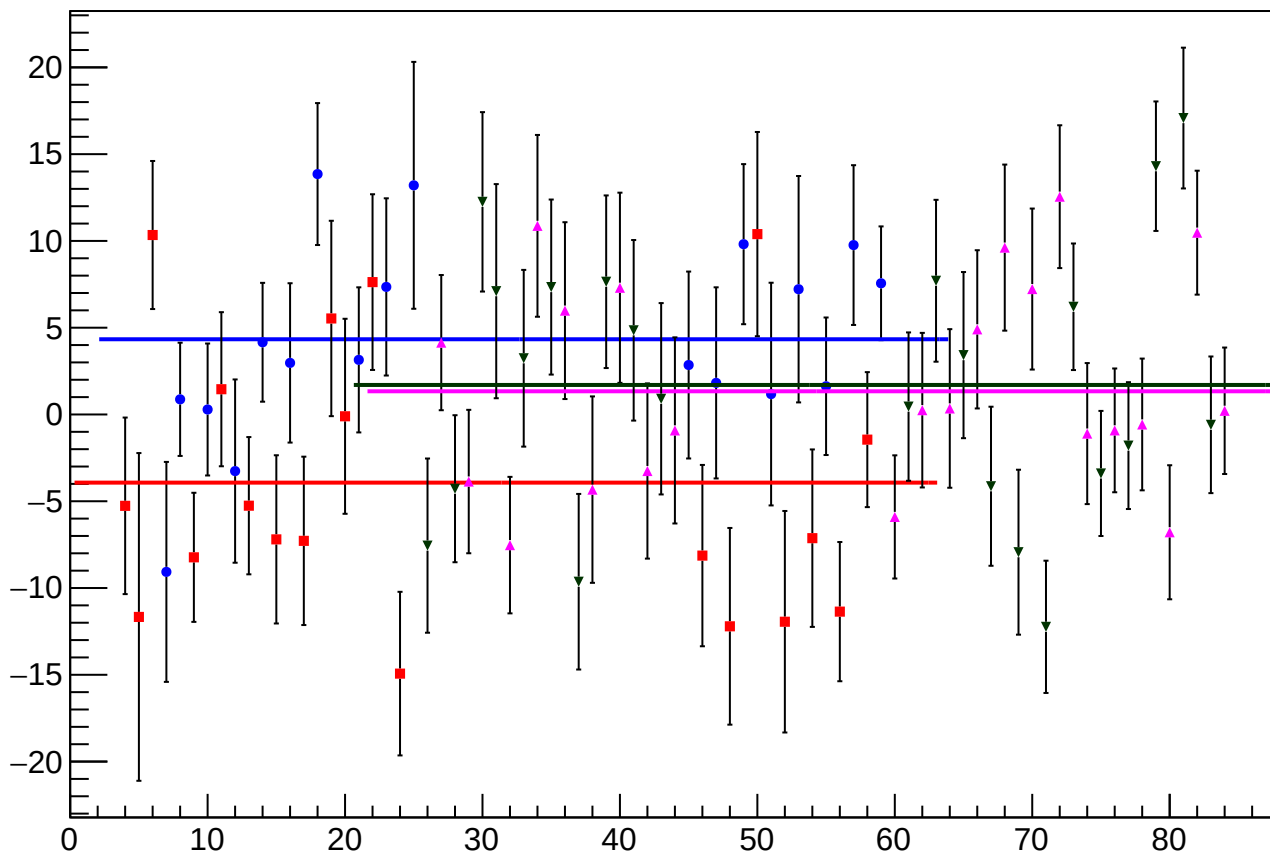
Right Out: 4684.391+/-1.055 χ^2/NDF : 240230.9/18

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

4574.612+/-0.689 χ^2/NDF : 1083564.2/39

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: 1.701 $\pm$ 0.947 χ^2 /NDF: 70.1/21

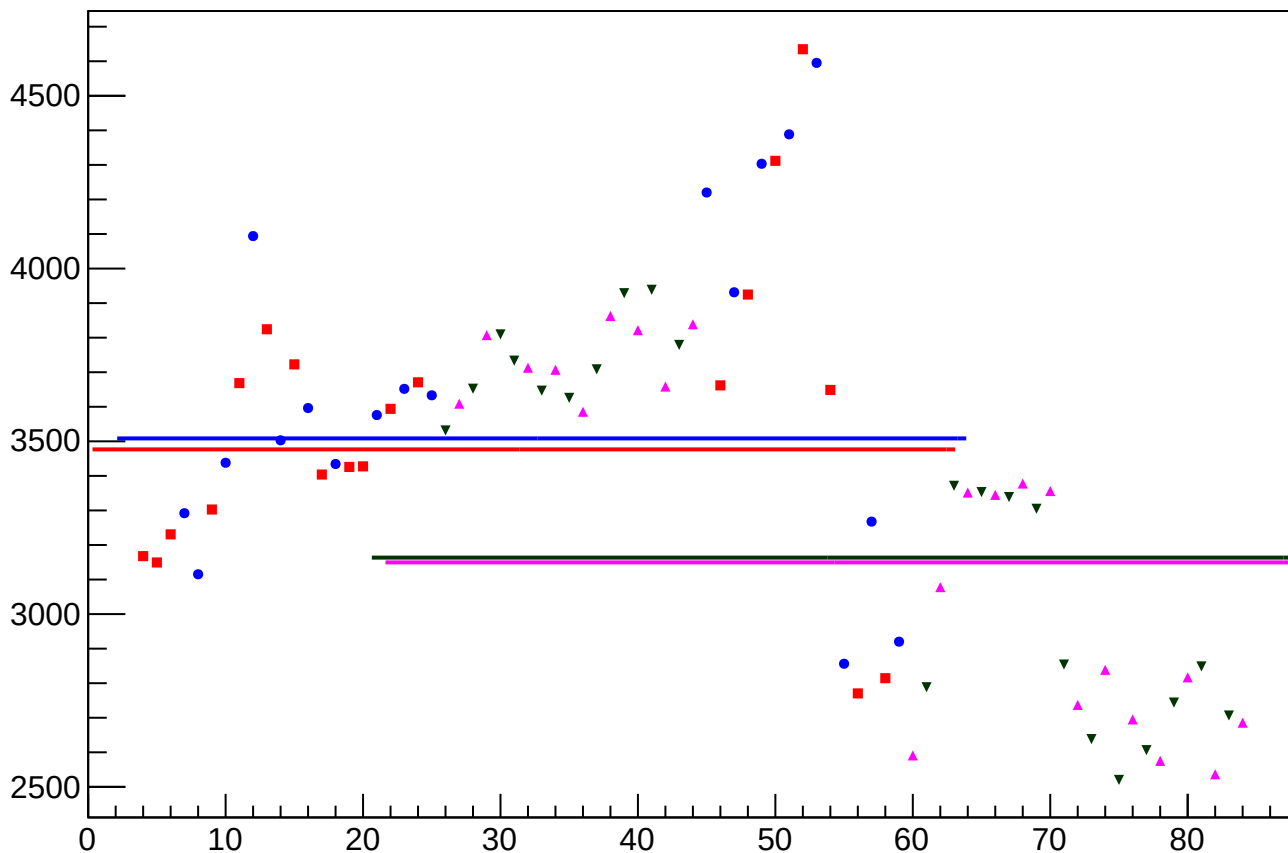
Right Out: -3.927 $\pm$ 1.110 χ^2 /NDF: 44.2/18

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

2.875 $\pm$ 0.705 χ^2 /NDF: 94.8/39

-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: 3163.481 $\pm$ 0.669 χ^2 /NDF: 516837.3/21

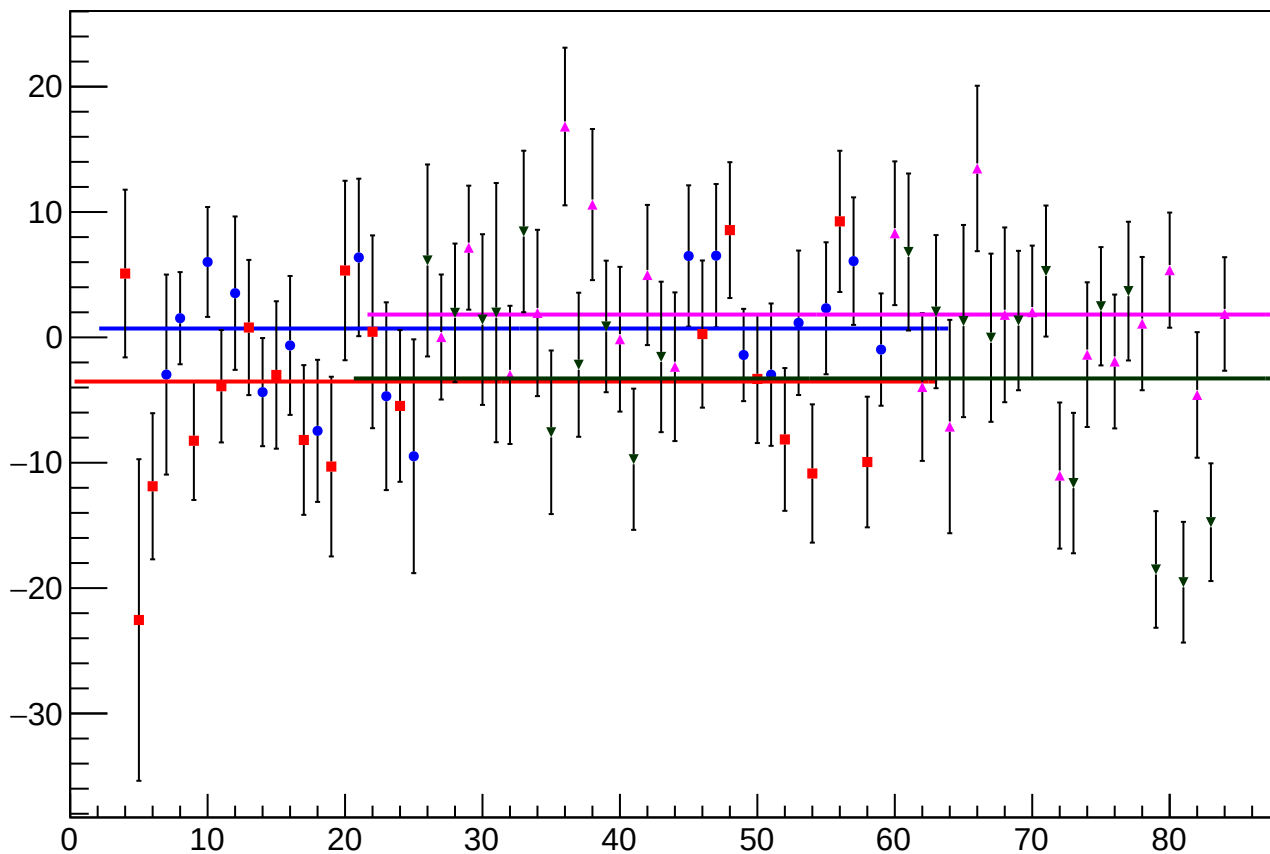
Right Out: 3476.662 $\pm$ 0.785 χ^2 /NDF: 293750.8/18

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

3317.322 $\pm$ 0.498 χ^2 /NDF: 1019394.4/39

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: -3.276 ± 1.232 $\chi^2/\text{NDF}: 49.7/21$

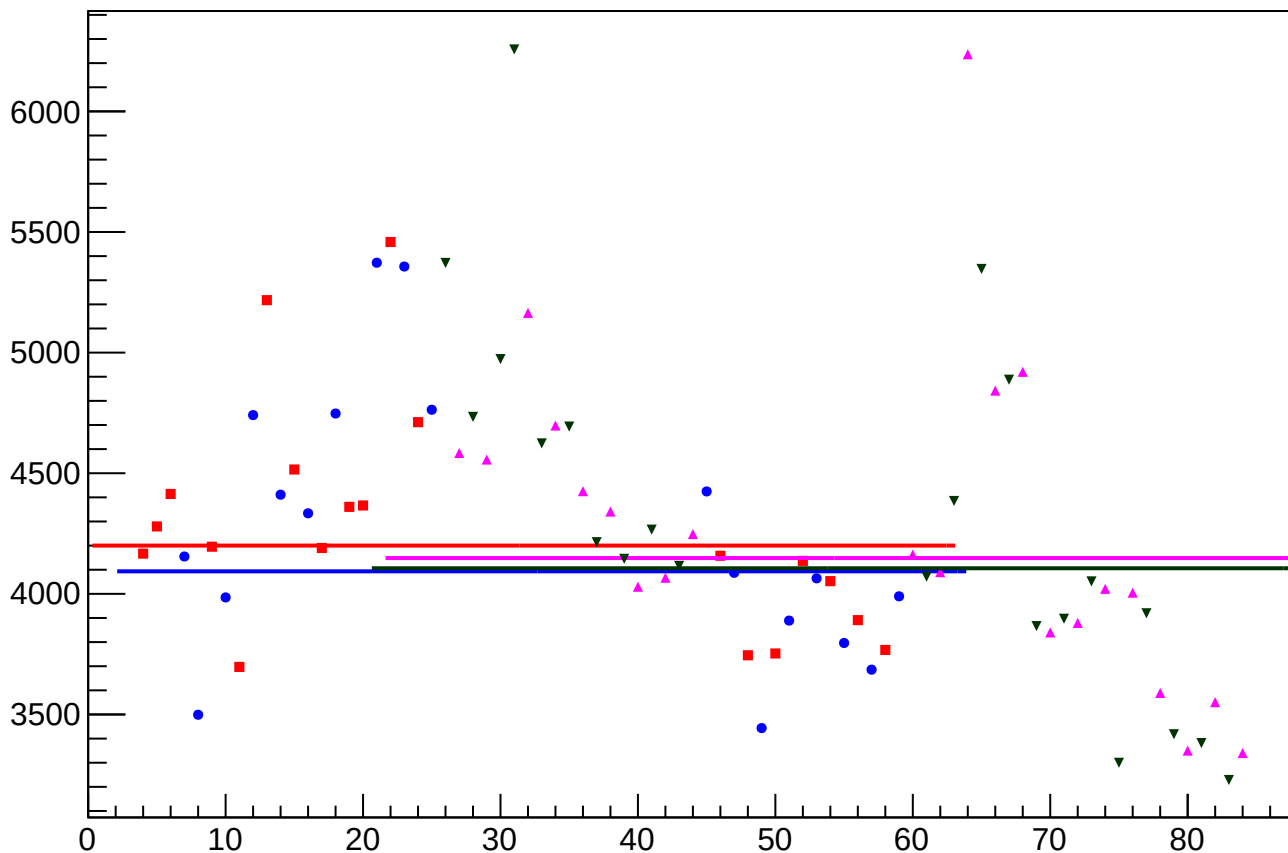
Right Out: -3.522 ± 1.336 $\chi^2/\text{NDF}: 25.4/18$

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

-1.279 ± 0.870 $\chi^2/\text{NDF}: 67.1/39$

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

diff_bpm16X_rms vs slug



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

Left Out: 4106.057 $\pm$ 0.871 χ^2 /NDF:541494.9/21

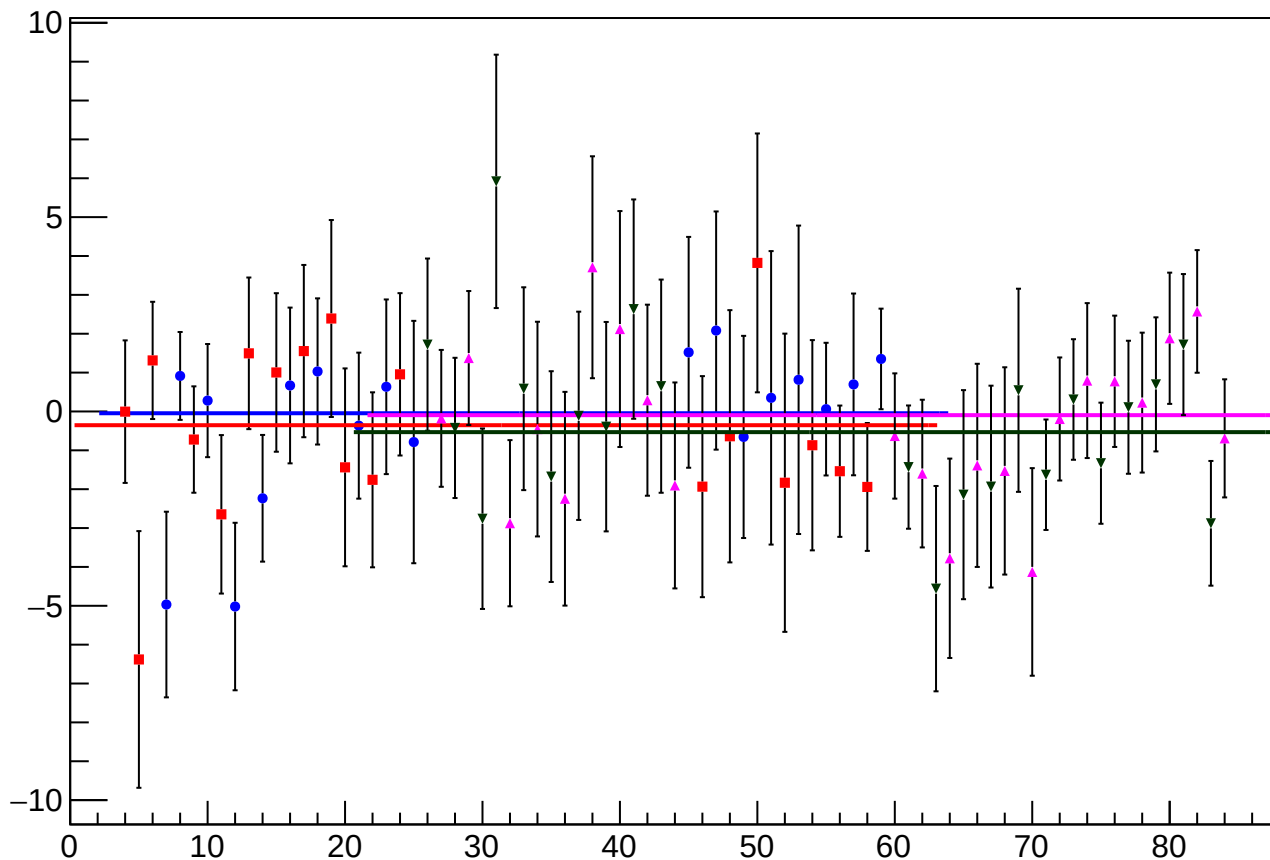
4099.703 $\pm$ 0.615 χ^2 /NDF: 901299.7/39

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

4171.447 $\pm$ 0.630 χ^2 /NDF: 701325.3/40

Left In: 4148.427 $\pm$ 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

-0.301 ± 0.316 χ^2/NDF : 32.2/39

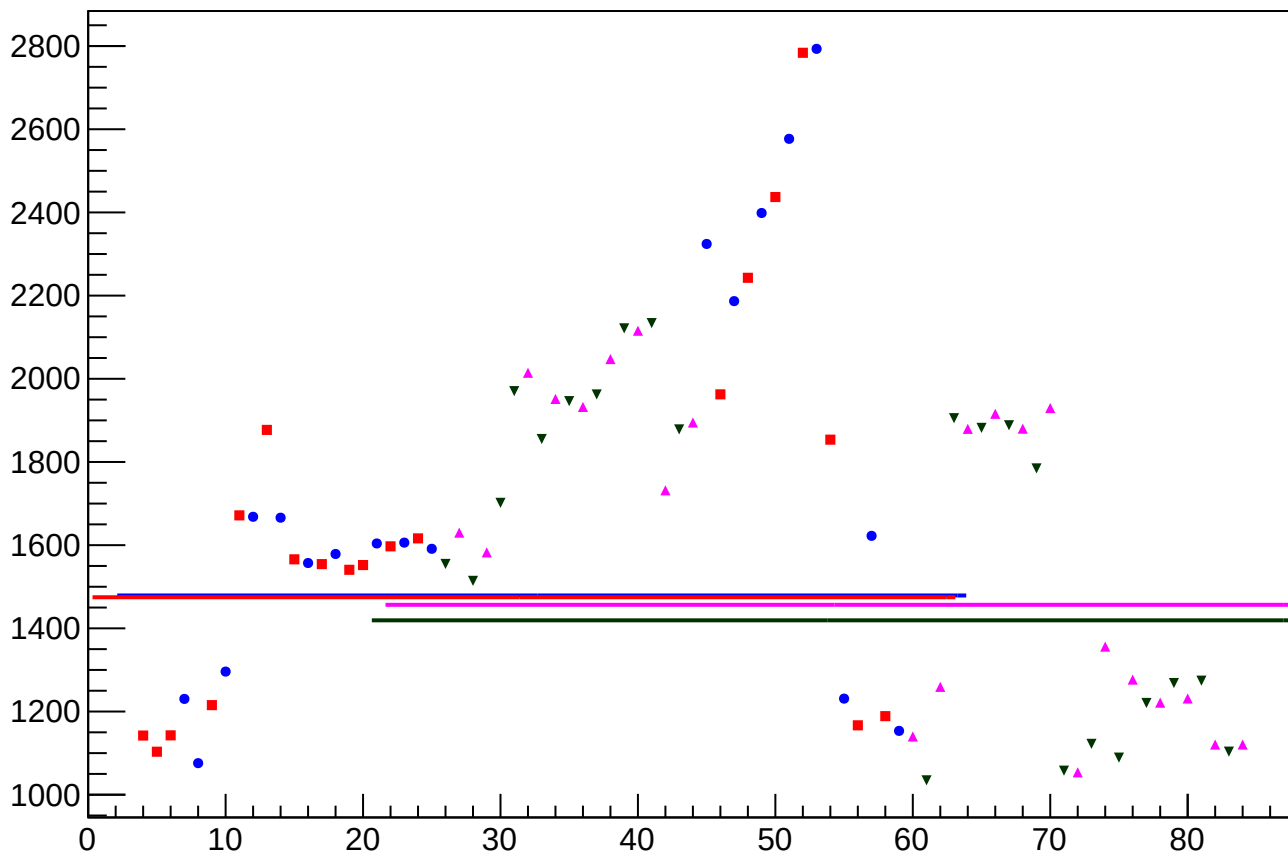
Left Out: -0.532 ± 0.435 χ^2/NDF : 16.7/21

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

-0.209 ± 0.321 χ^2/NDF : 30.2/40

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

diff_bpm16Y_rms vs slug



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

Left Out: 1419.255+/-0.308 χ^2/NDF :1407367.0/21

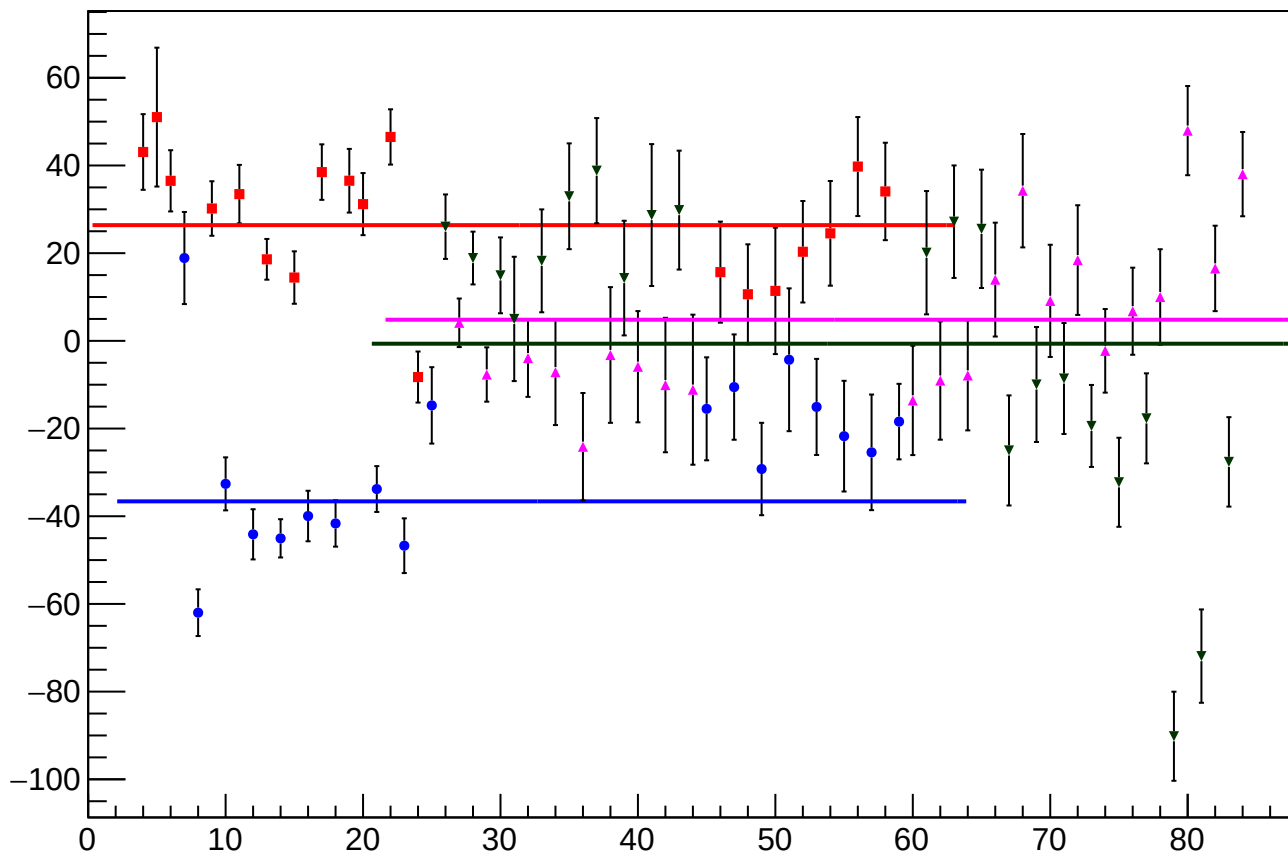
Right Out: 1474.750+/-0.342 χ^2/NDF : 1125200.2/18

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

1447.606+/-0.223 χ^2/NDF : 2884586.9/39

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

diff_bpm0l01X_mean vs slug



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

Left Out: -0.649 $\pm$ 2.268 χ^2 /NDF:219.1/21

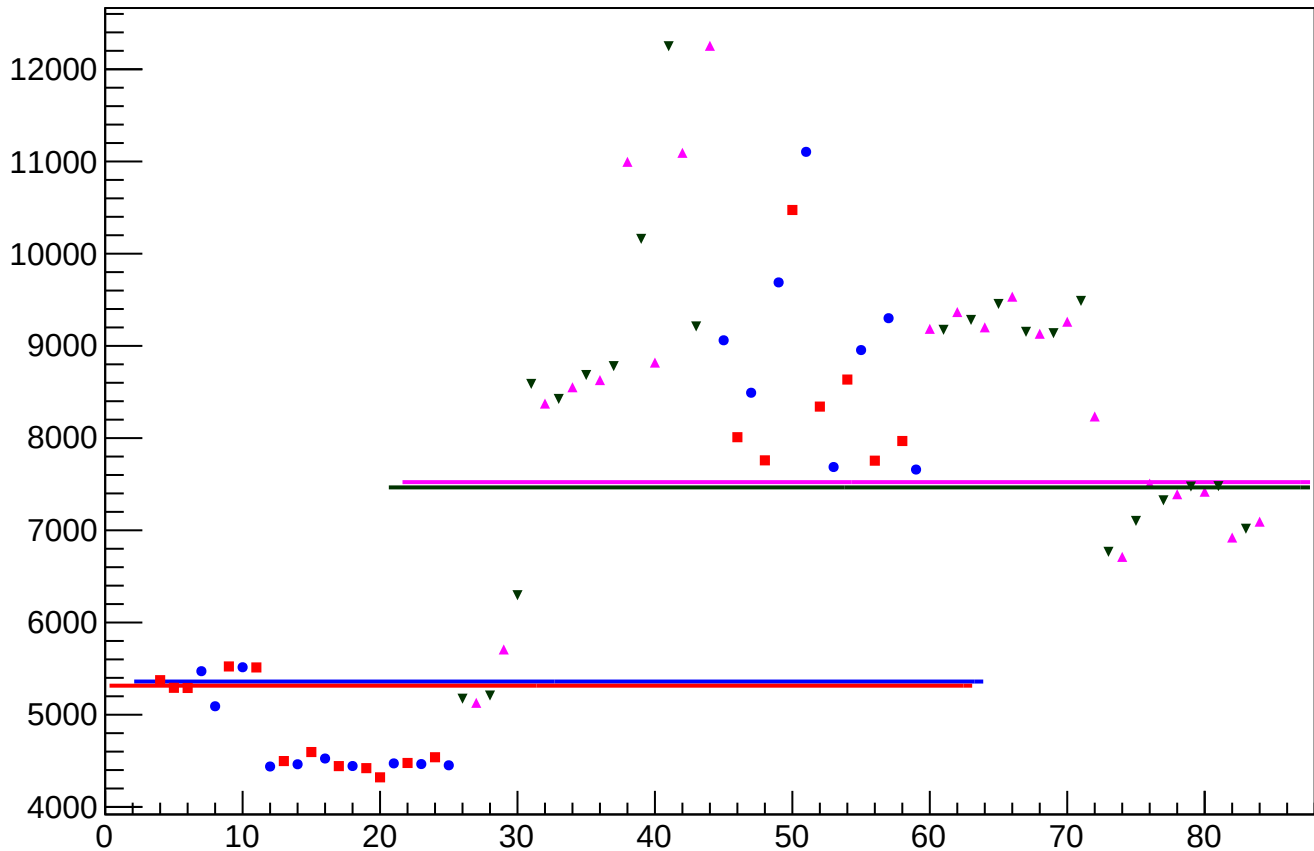
Right Out: 26.394 $\pm$ 1.742 χ^2 /NDF: 74.2/18

Left In: 4.821 $\pm$ 2.202 χ^2 /NDF:57.8/21

-23.928 $\pm$ 1.347 χ^2 /NDF: 471.6/39

18.088 $\pm$ 1.366 χ^2 /NDF: 191.1/40

diff_bpm0l01X_rms vs slug



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

Left Out: 7465.382+/-1.604 χ^2/NDF : 1125882.0/21

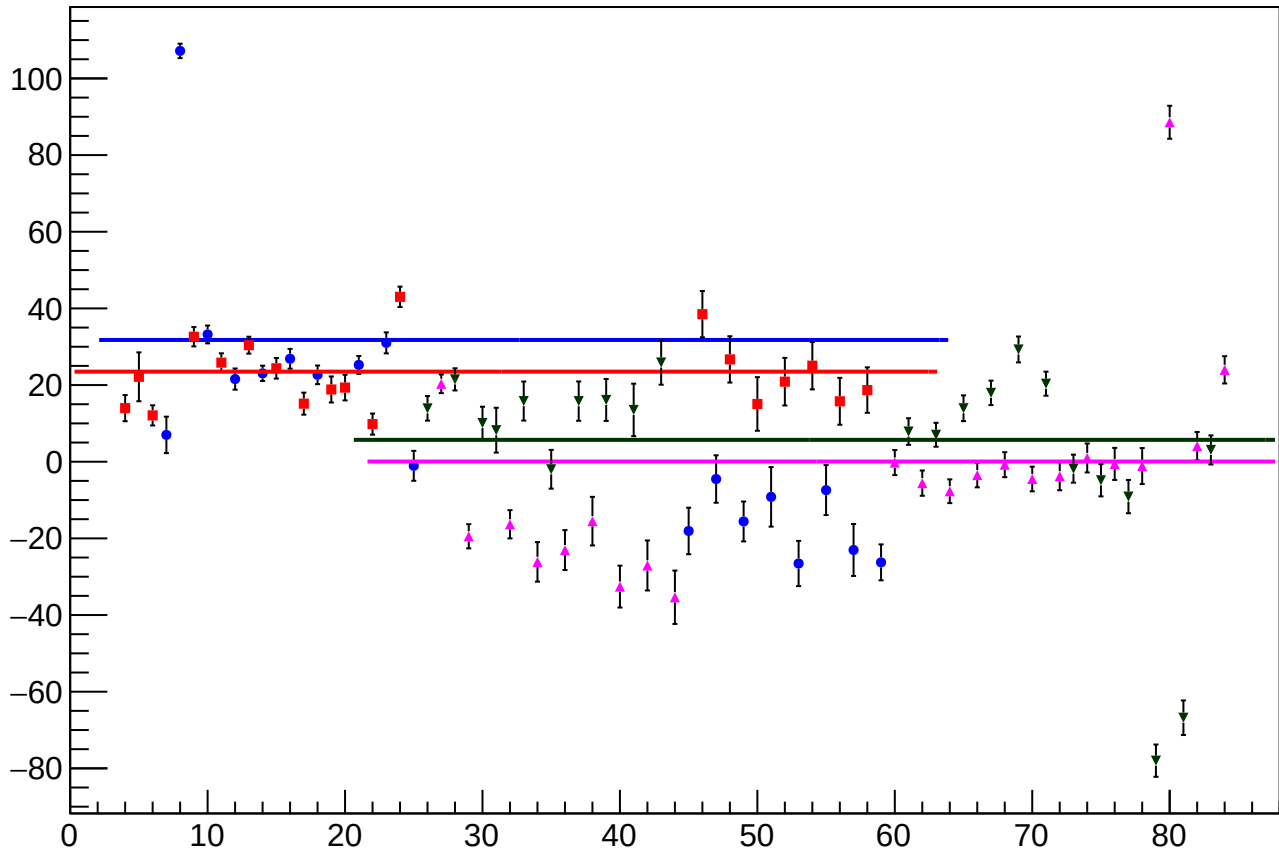
6102.353+/-0.952 χ^2/NDF : 4101370.5/39

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 ± 0.741 $\chi^2/\text{NDF}: 2323.1/17$

Left Out: 5.704 ± 0.838 $\chi^2/\text{NDF}: 832.8/21$

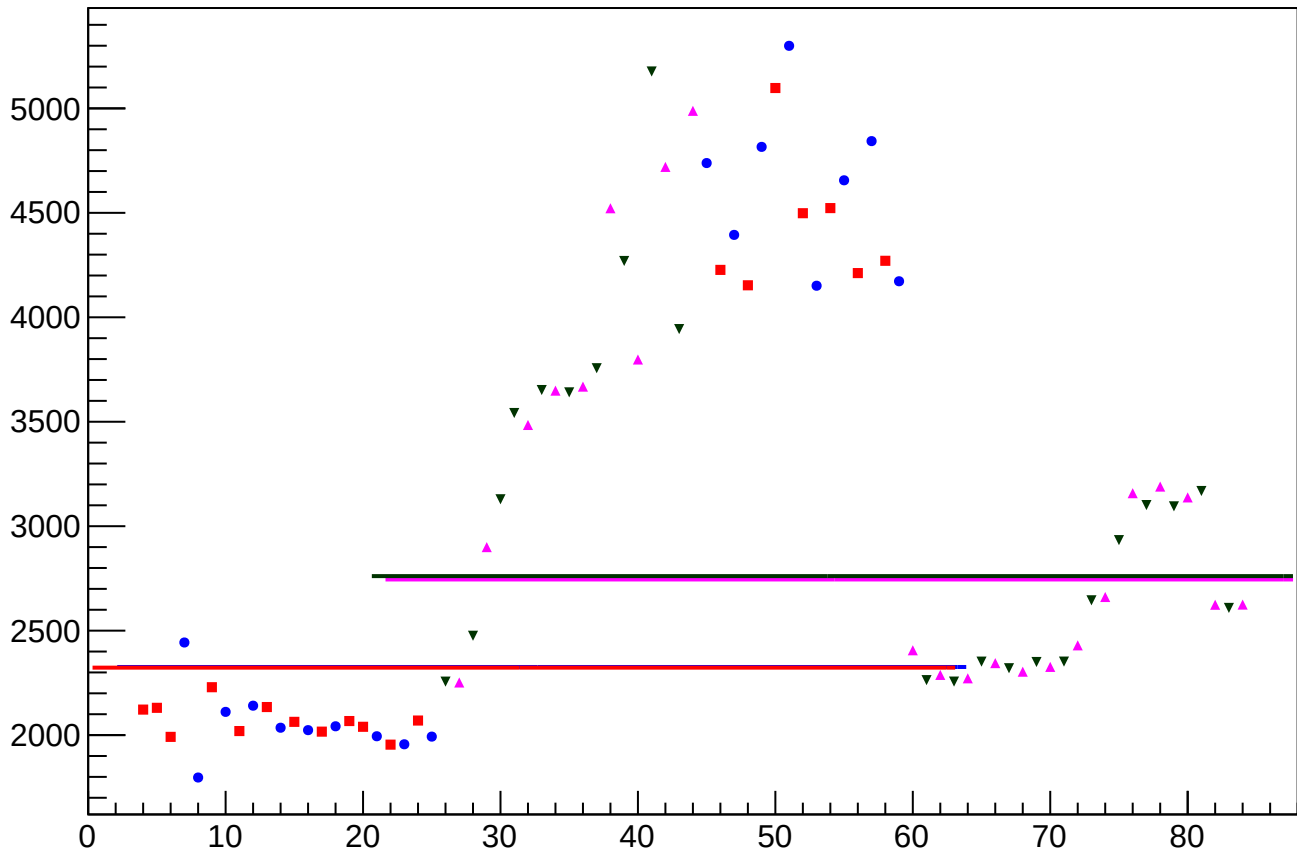
Right Out: 23.500 ± 0.773 $\chi^2/\text{NDF}: 151.3/18$

Left In: 0.051 ± 0.803 $\chi^2/\text{NDF}: 741.1/21$

20.337 ± 0.555 $\chi^2/\text{NDF}: 3698.7/39$

12.222 ± 0.557 $\chi^2/\text{NDF}: 1335.4/40$

diff_bpm0l01Y_rms vs slug



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

Left Out: 2761.065 $\pm$ 0.593 χ^2 /NDF:1075286.2/21

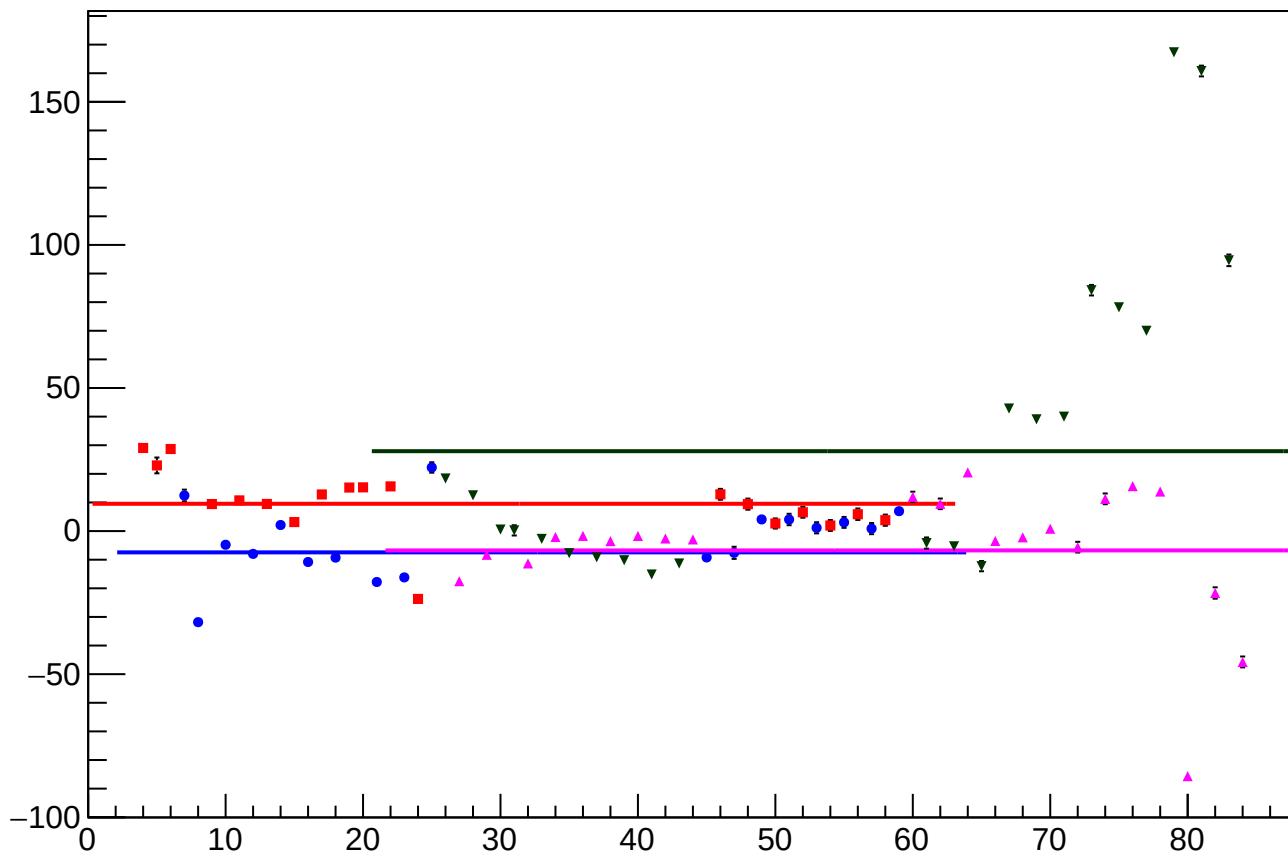
2516.843 $\pm$ 0.393 χ^2 /NDF: 4074218.5/39

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 ± 0.310 χ^2/NDF : 1753.9/17

Left Out: 27.921 ± 0.336 χ^2/NDF : 22184.8/21

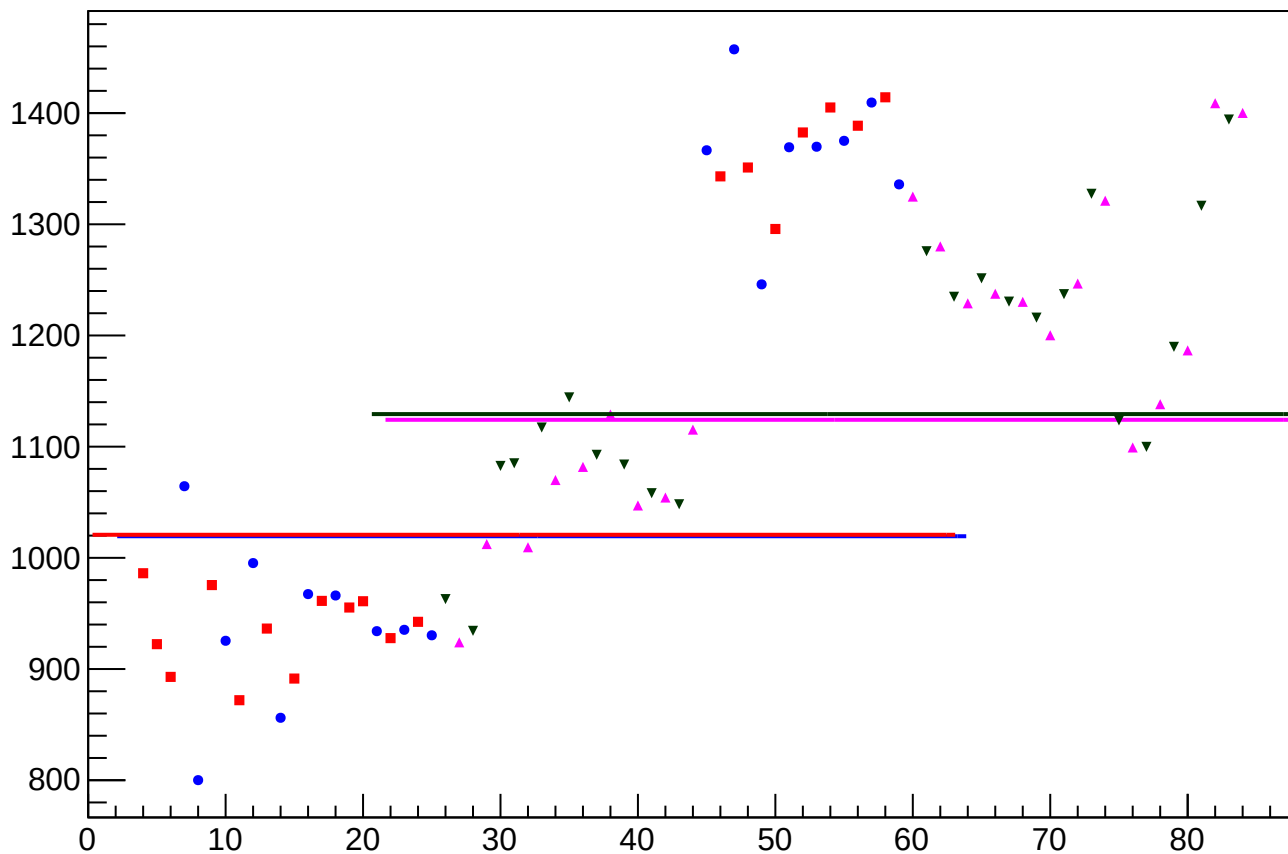
Right Out: 9.540 ± 0.328 χ^2/NDF : 1327.8/18

Left In: -6.762 ± 0.323 χ^2/NDF : 3971.9/21

8.807 ± 0.228 χ^2/NDF : 29920.6/39

1.267 ± 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: 1129.289+/-0.238 χ^2/NDF :241720.4/21

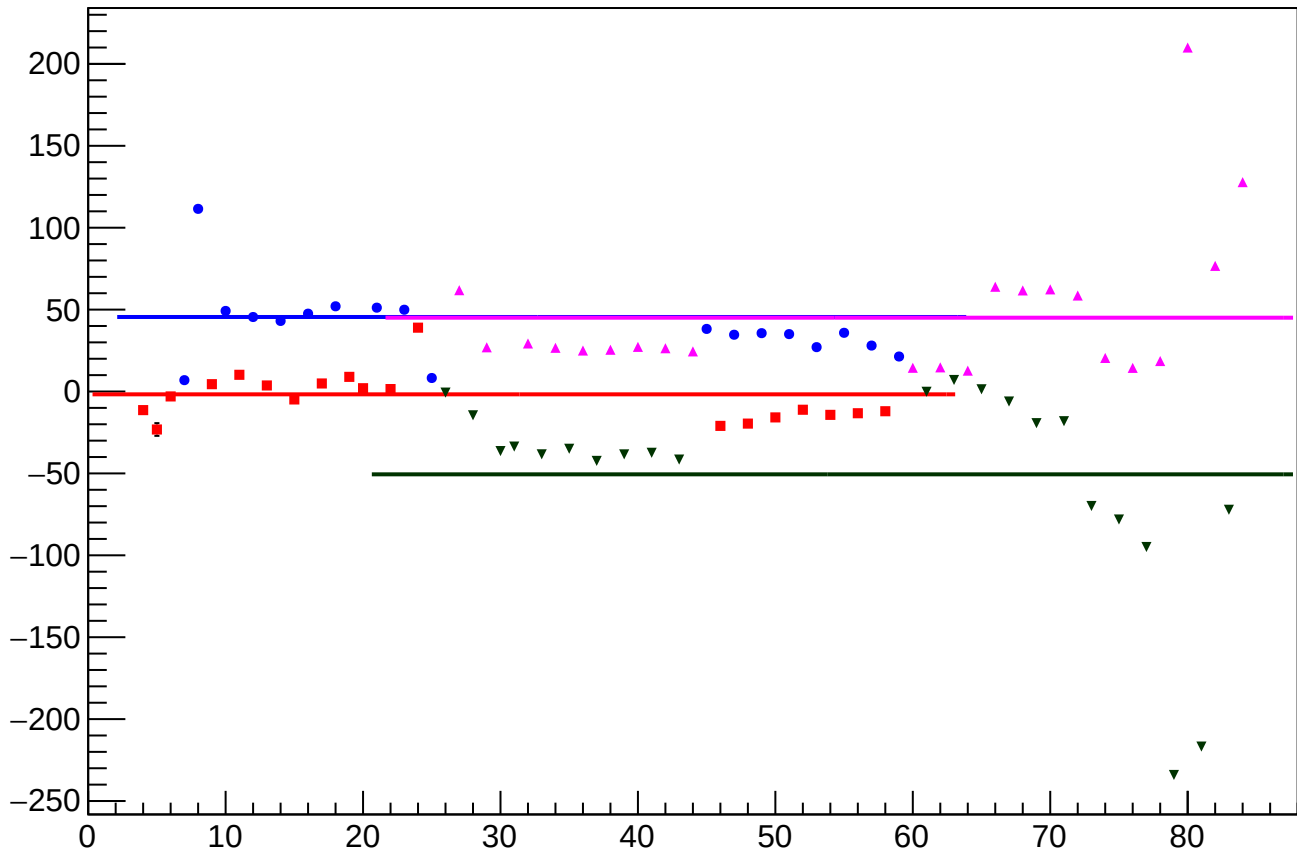
Right Out: 1020.749+/-0.232 χ^2/NDF : 605072.5/18

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

1069.905+/-0.161 χ^2/NDF : 1210072.4/39

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

diff_bpm2i01Y_mean vs slug



Right In: 45.496 ± 0.408 $\chi^2/\text{NDF}: 3402.2/17$

Left Out: -50.565 ± 0.381 $\chi^2/\text{NDF}: 24653.5/21$

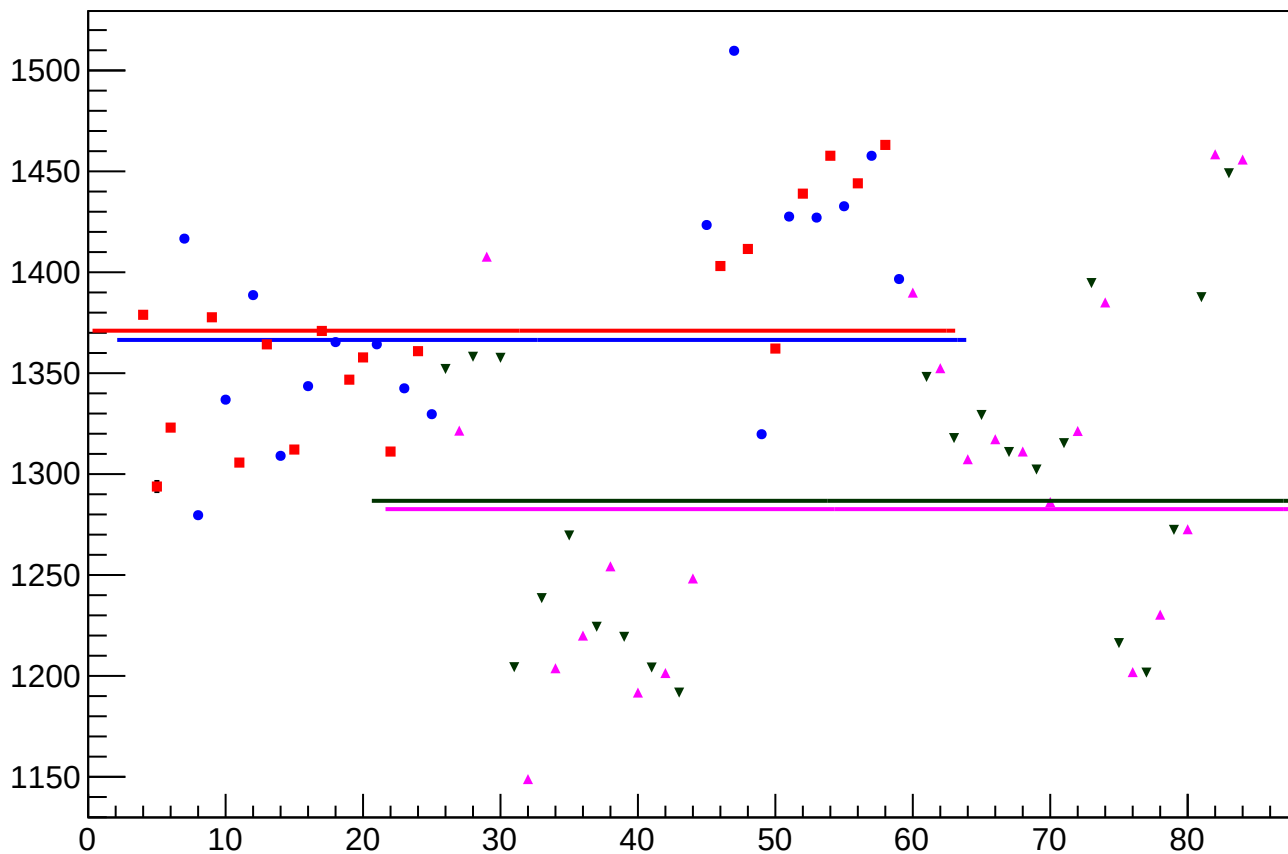
Right Out: -1.724 ± 0.434 $\chi^2/\text{NDF}: 1071.7/18$

Left In: 45.062 ± 0.366 $\chi^2/\text{NDF}: 14017.4/21$

-5.761 ± 0.279 $\chi^2/\text{NDF}: 57642.7/39$

25.585 ± 0.280 $\chi^2/\text{NDF}: 21874.4/40$

diff_bpm2i01Y_rms vs slug



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

Left Out: 1286.754 $\pm$ 0.270 χ^2 /NDF:68734.3/21

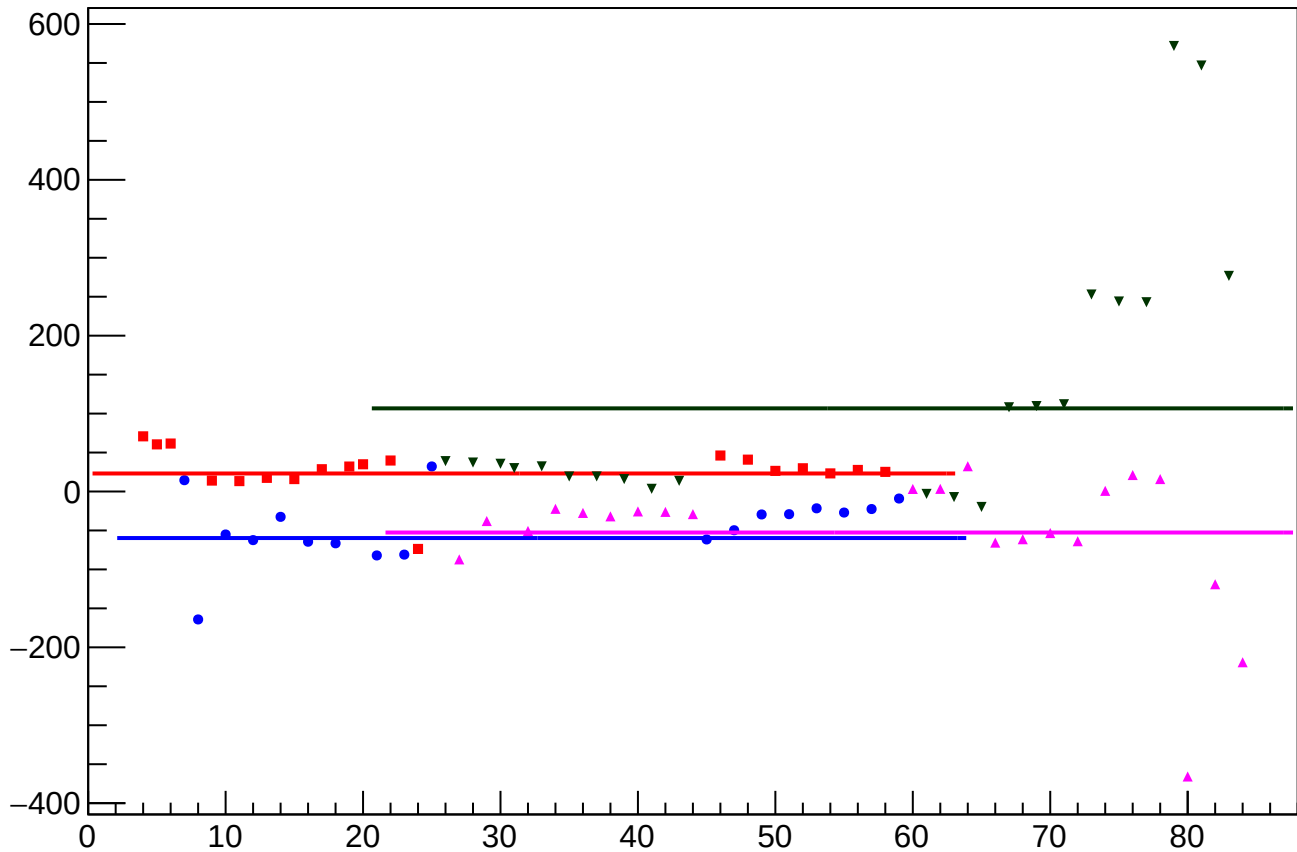
Right Out: 1371.055 $\pm$ 0.307 χ^2 /NDF: 24860.5/18

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

1323.937 $\pm$ 0.197 χ^2 /NDF: 148120.8/39

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: 106.696 ± 0.350 $\chi^2/\text{NDF}: 197505.3/21$

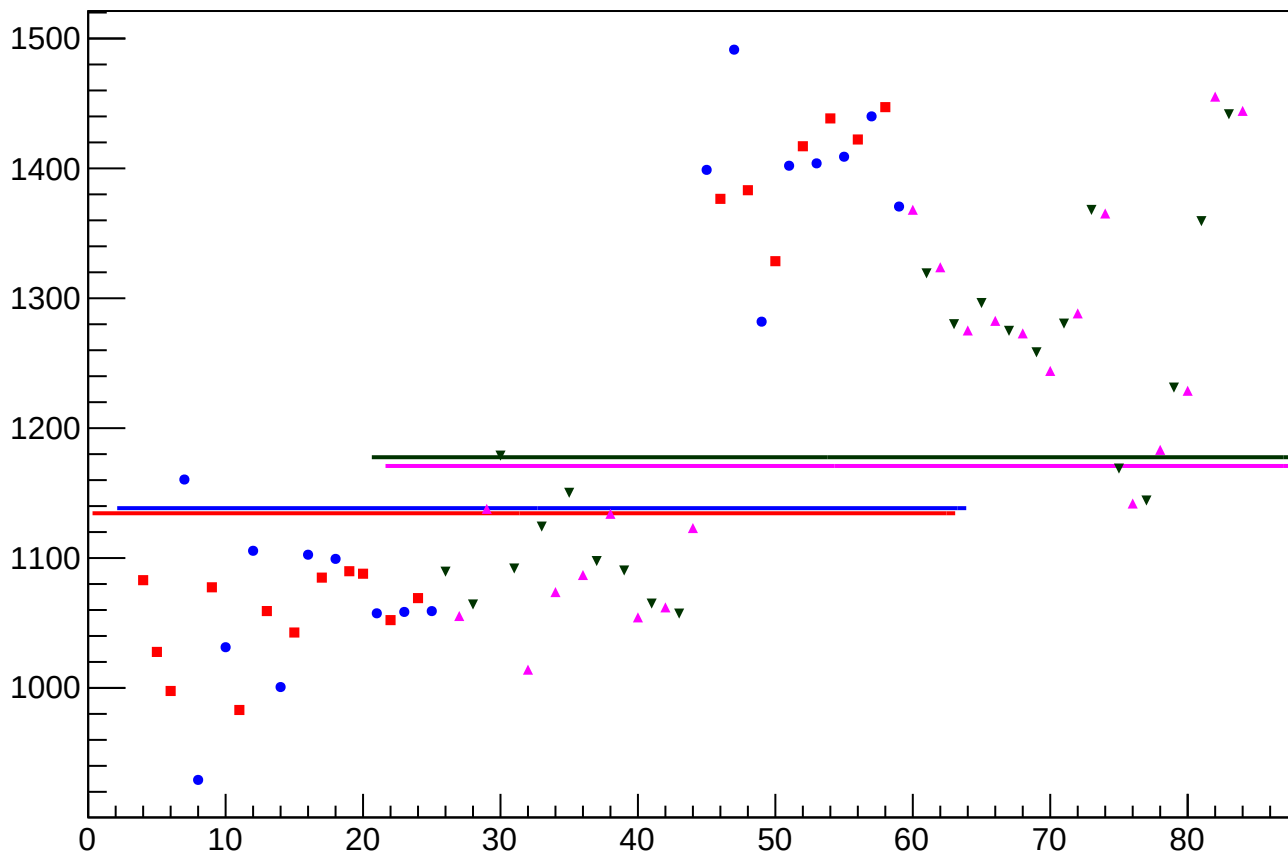
Right Out: 23.126 ± 0.362 $\chi^2/\text{NDF}: 7355.2/18$

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

21.824 ± 0.245 $\chi^2/\text{NDF}: 331552.6/39$

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

diff_bpm2i02X_rms vs slug



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

Left Out: 1177.621 ± 0.248 χ^2/NDF : 184083.2/21

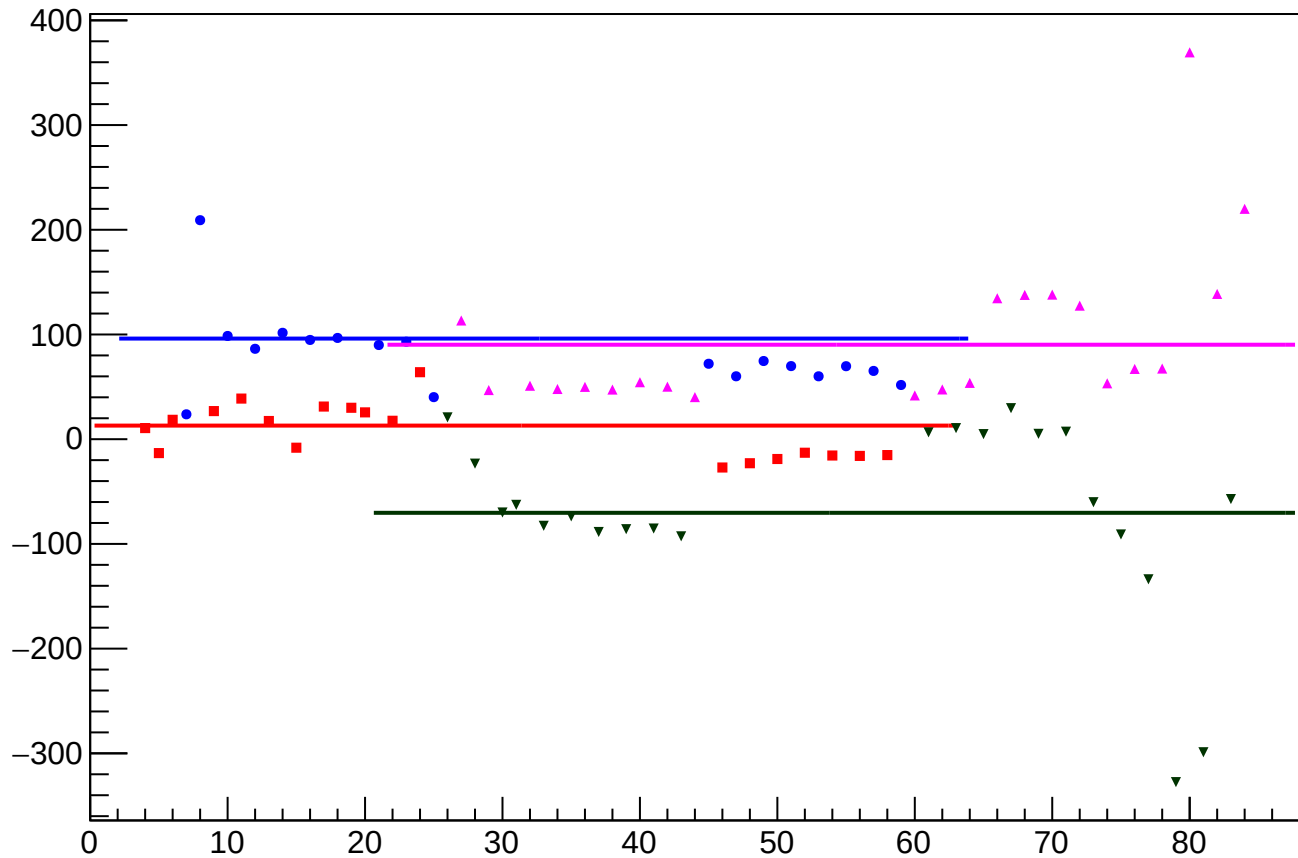
Right Out: 1134.479 ± 0.256 χ^2/NDF : 360721.2/18

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

1157.626 ± 0.173 χ^2/NDF : 684956.3/39

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: -70.301 $\pm$ 0.344 χ^2 /NDF: 62196.1/21

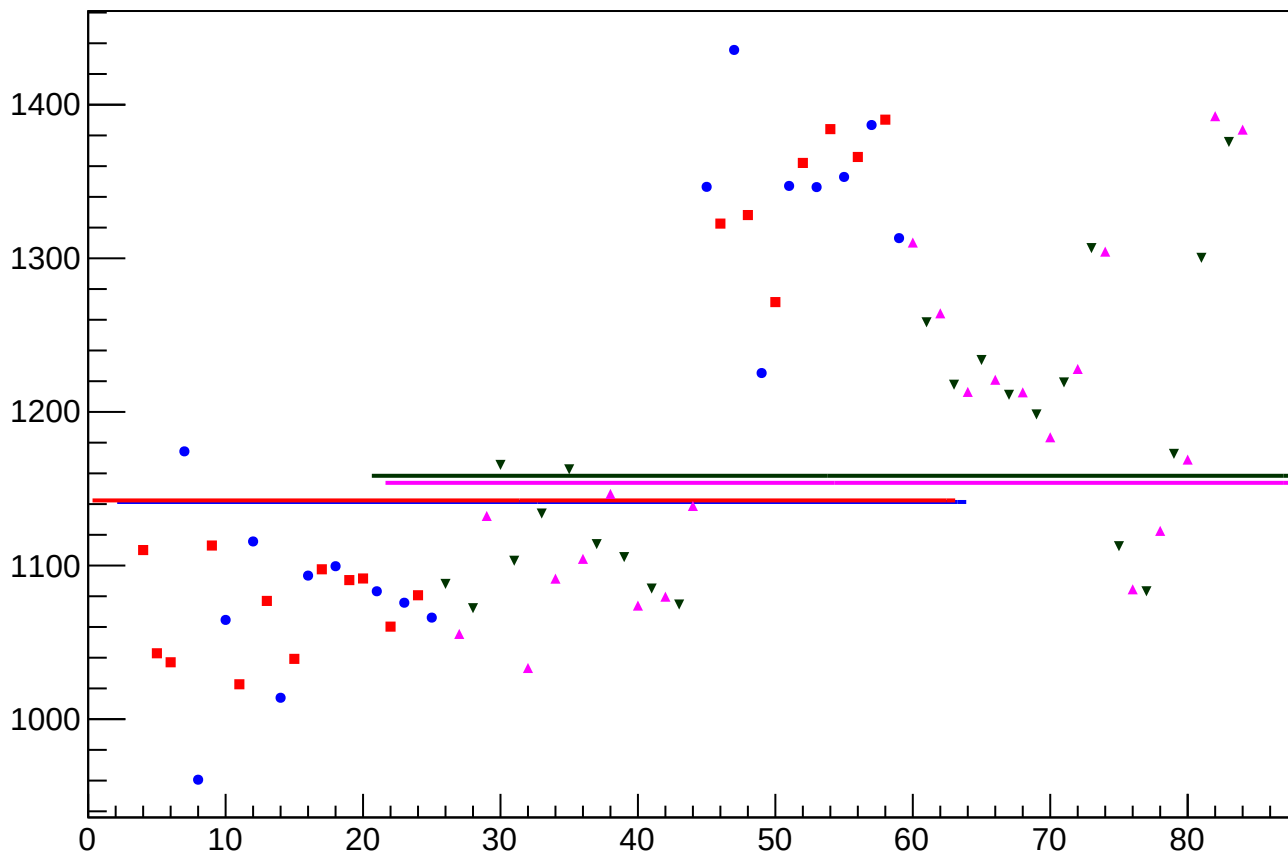
Right Out: 12.992 $\pm$ 0.363 χ^2 /NDF: 4541.3/18

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

13.102 $\pm$ 0.243 χ^2 /NDF: 196778.5/39

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

diff_bpm2i02Y_rms vs slug



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

Left Out: 1158.431+/-0.243 χ^2/NDF :104501.0/21

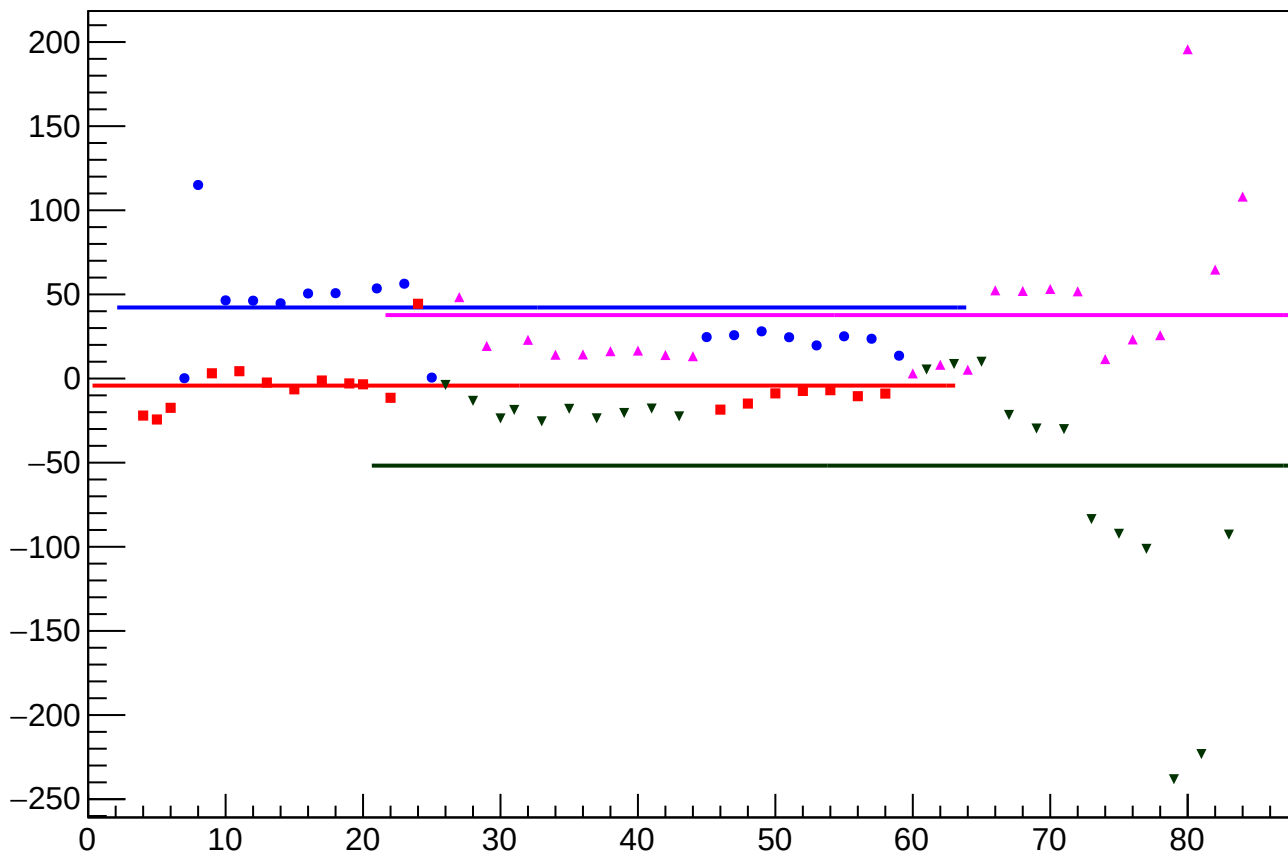
Right Out: 1142.390+/-0.257 χ^2/NDF : 236212.3/18

Left In: 1153.839+/-0.233 χ^2/NDF :168862.6/21

1149.884+/-0.172 χ^2/NDF : 436274.4/39

1148.660+/-0.173 χ^2/NDF : 406162.9/40

diff_bpm1i04X_mean vs slug



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

Left Out: -51.755+/-0.214 χ^2/NDF : 97779.4/21

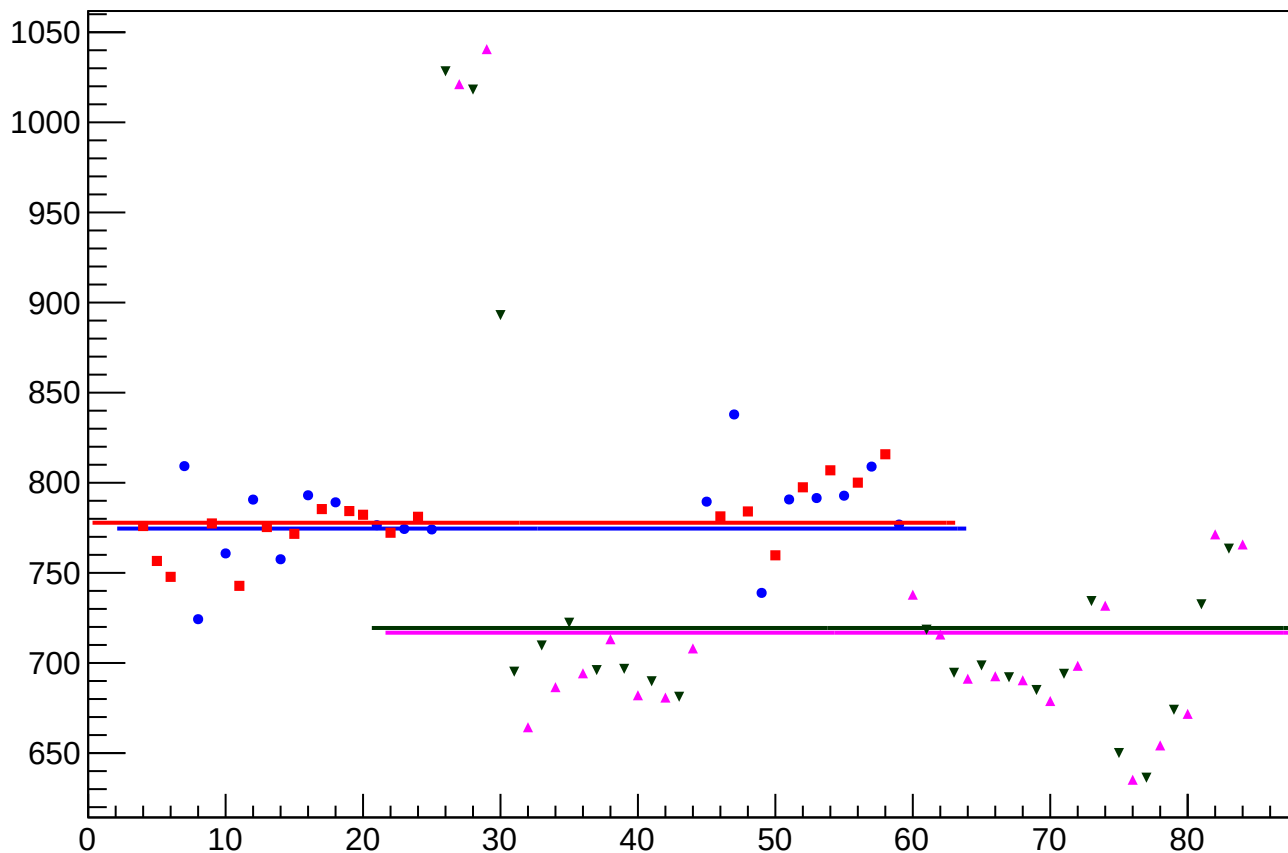
Right Out: -4.198+/-0.246 χ^2/NDF : 3378.3/18

Left In: 37.713+/-0.206 χ^2/NDF : 43935.1/21

-8.221+/-0.157 χ^2/NDF : 201023.3/39

20.428+/-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: 719.422 $\pm$ 0.152 χ^2 /NDF:311752.3/21

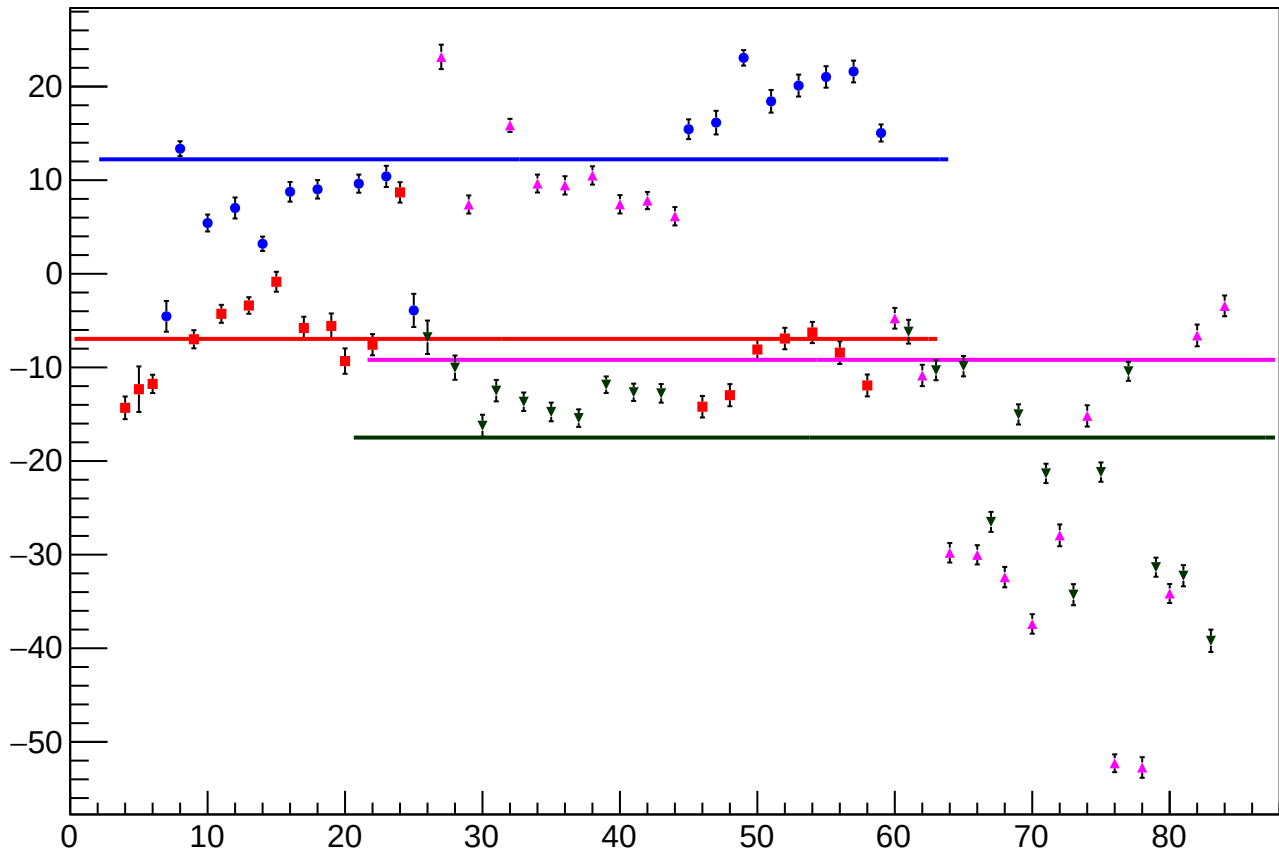
Right Out: 777.816 $\pm$ 0.174 χ^2 /NDF: 11180.5/18

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

744.972 $\pm$ 0.111 χ^2 /NDF: 399389.3/39

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

diff_bpm1i04Y_mean vs slug



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

Left Out: -17.494 $\pm$ 0.228 χ^2 /NDF: 1440.1/21

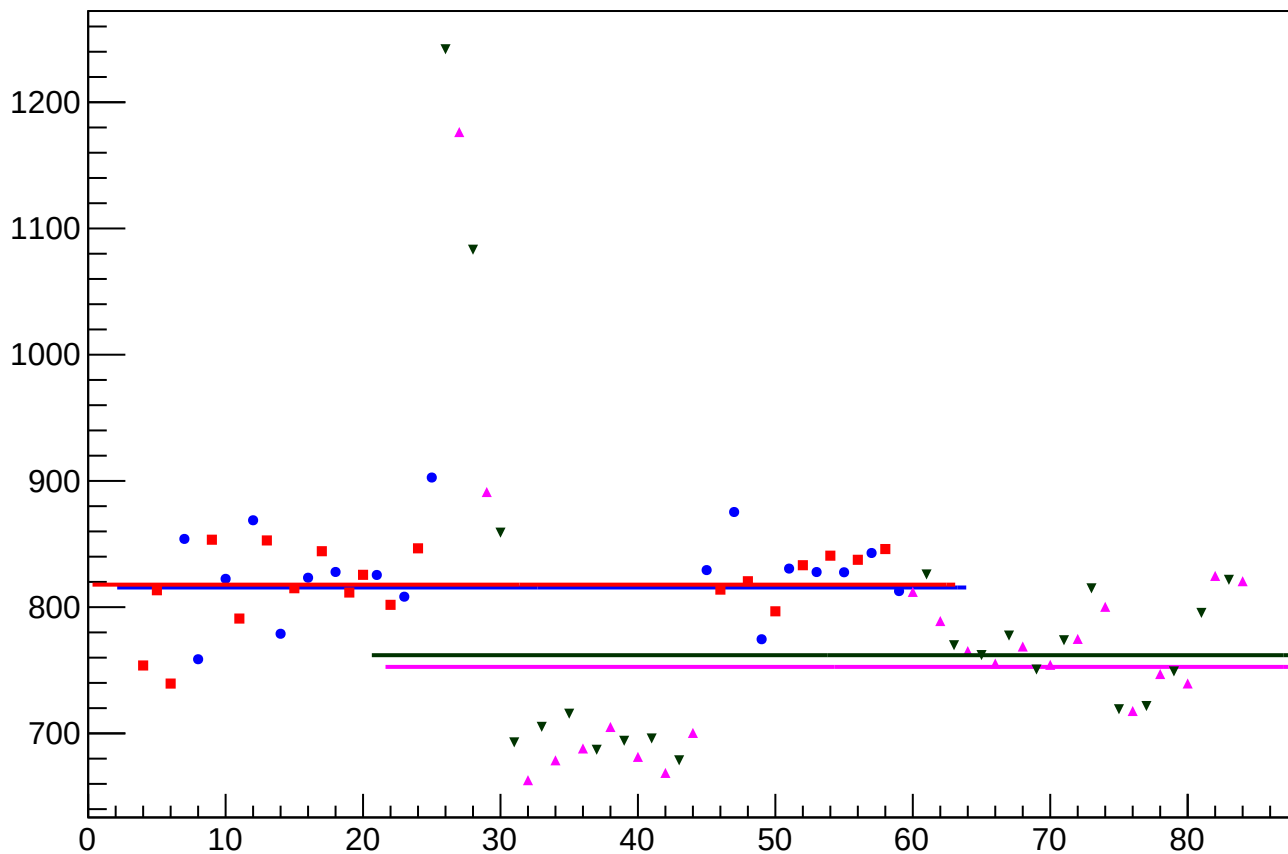
Right Out: -6.954 $\pm$ 0.259 χ^2 /NDF: 420.8/18

Left In: -9.190 $\pm$ 0.217 χ^2 /NDF: 10756.1/21

-3.597 $\pm$ 0.167 χ^2 /NDF: 10204.7/39

-8.270 $\pm$ 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: 761.951+/-0.161 χ^2/NDF : 373034.2/21

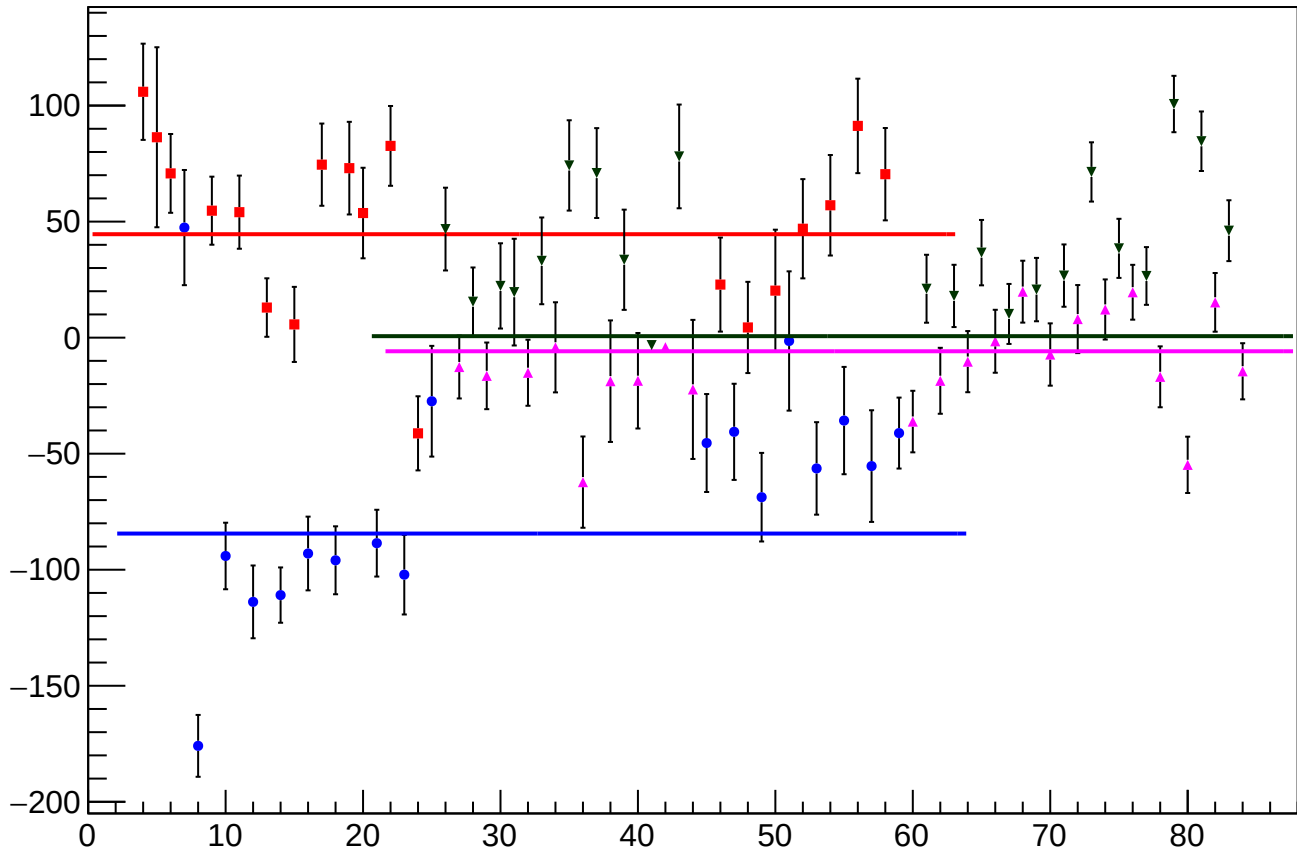
Right Out: 817.840+/-0.183 χ^2/NDF : 32410.2/18

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

787.023+/-0.118 χ^2/NDF : 462320.4/39

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: 0.640 ± 0.941 χ^2/NDF : 253.2/21

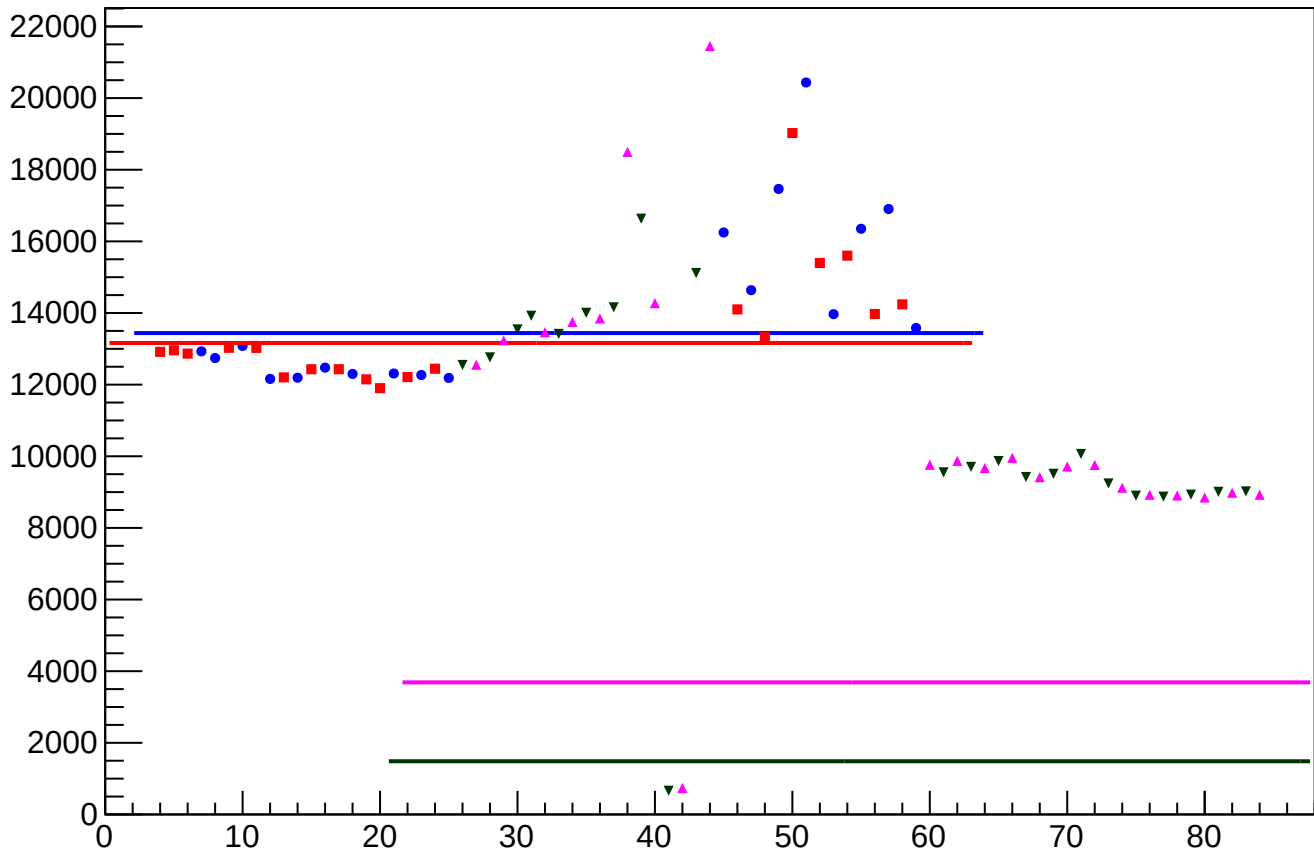
Right Out: 44.573 ± 4.203 χ^2/NDF : 77.6/18

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

-3.699 ± 0.917 χ^2/NDF : 793.8/39

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: 1485.055+/-0.666 χ^2/NDF :17566743.8/21

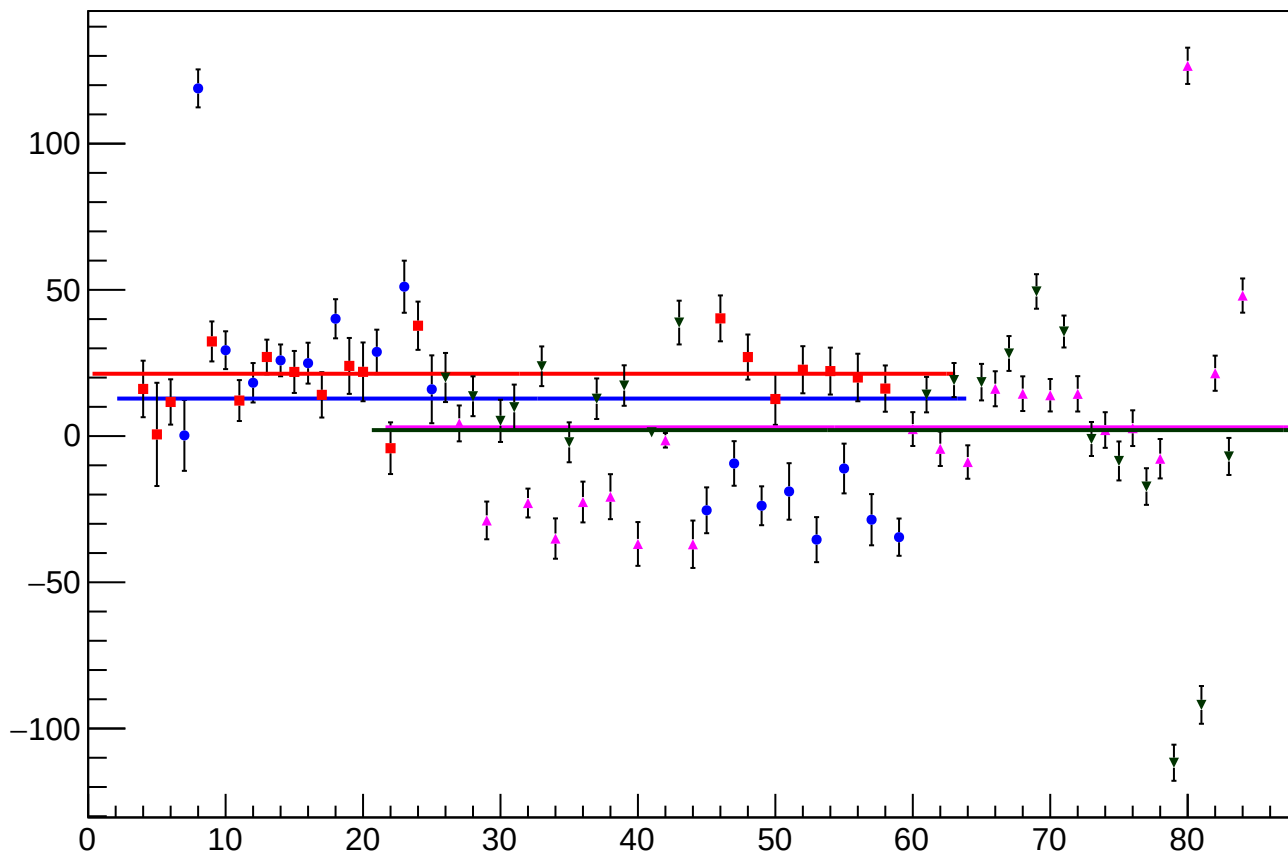
Right Out: 13162.769+/-2.972 χ^2/NDF : 204436.9/18

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

2095.000+/-0.648 χ^2/NDF : 34428048.0/39

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

diff_bpm0l02Y_mean vs slug



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

Left Out: 2.039 $\pm$ 0.935 χ^2 /NDF: 757.9/21

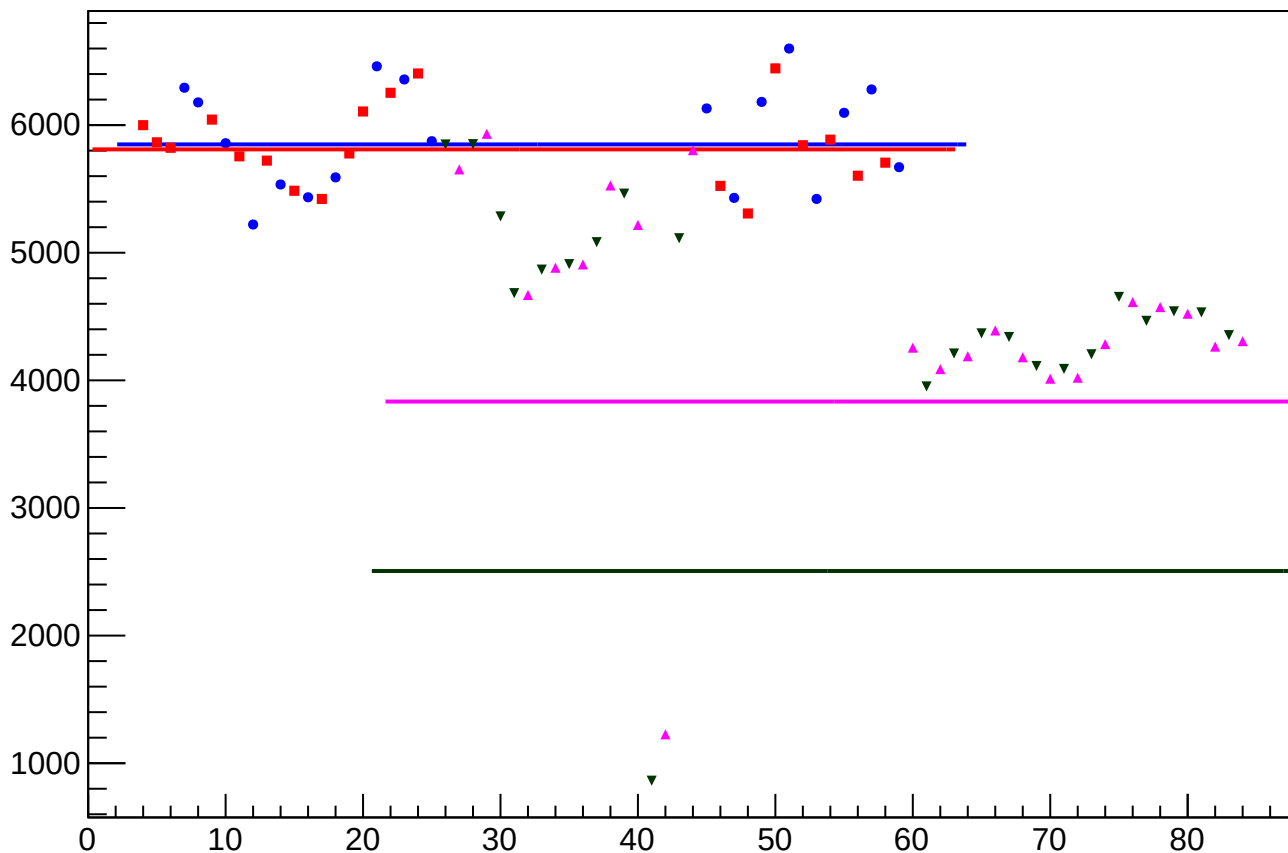
Right Out: 21.314 $\pm$ 1.847 χ^2 /NDF: 29.5/18

Left In: 2.984 $\pm$ 1.188 χ^2 /NDF: 651.6/21

4.429 $\pm$ 0.825 χ^2 /NDF: 1309.2/39

8.348 $\pm$ 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: 2506.233+/-0.661 χ^2/NDF : 8232851.8/21

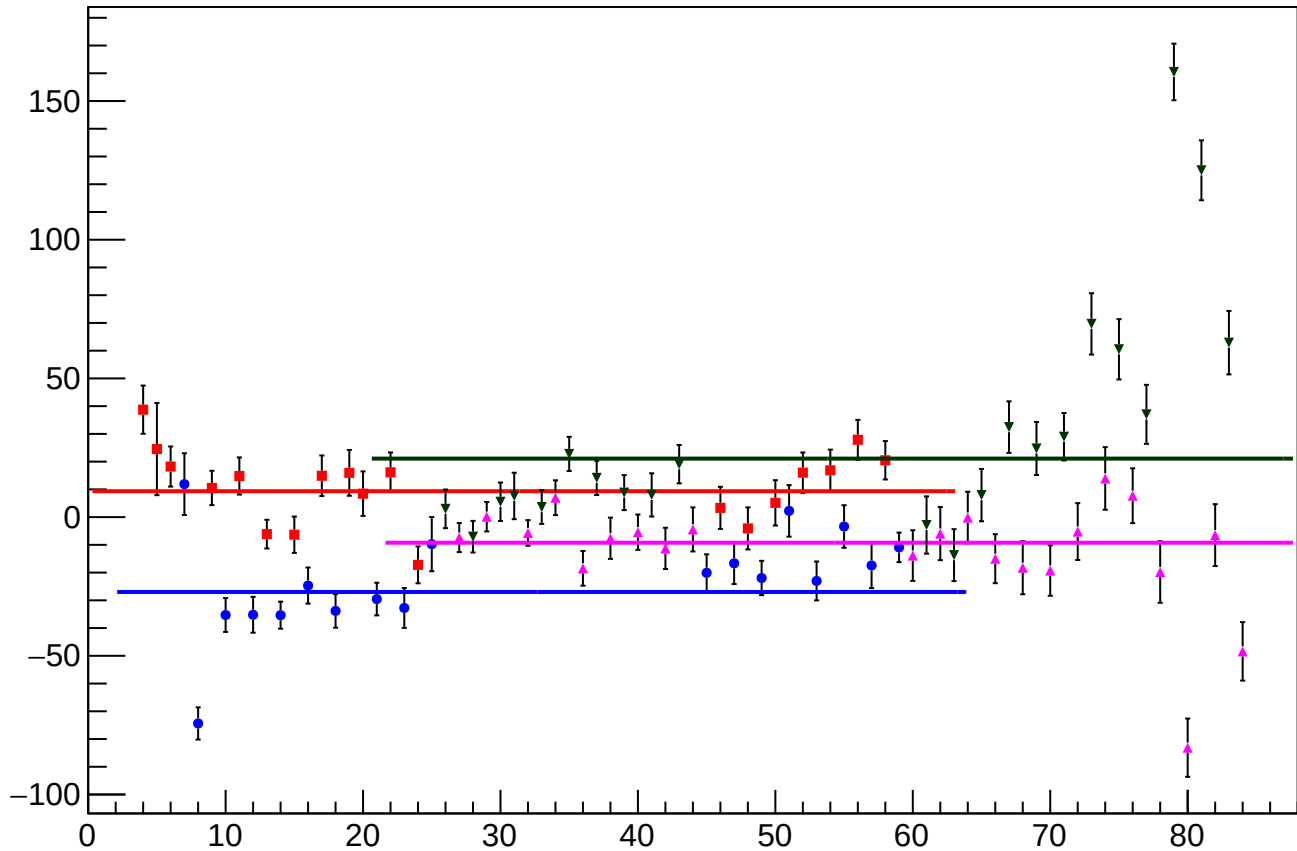
Right Out: 5809.767+/-1.306 χ^2/NDF : 53321.4/18

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

3246.888+/-0.583 χ^2/NDF : 13997893.7/39

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: 21.093 ± 1.695 $\chi^2/\text{NDF}: 406.2/21$

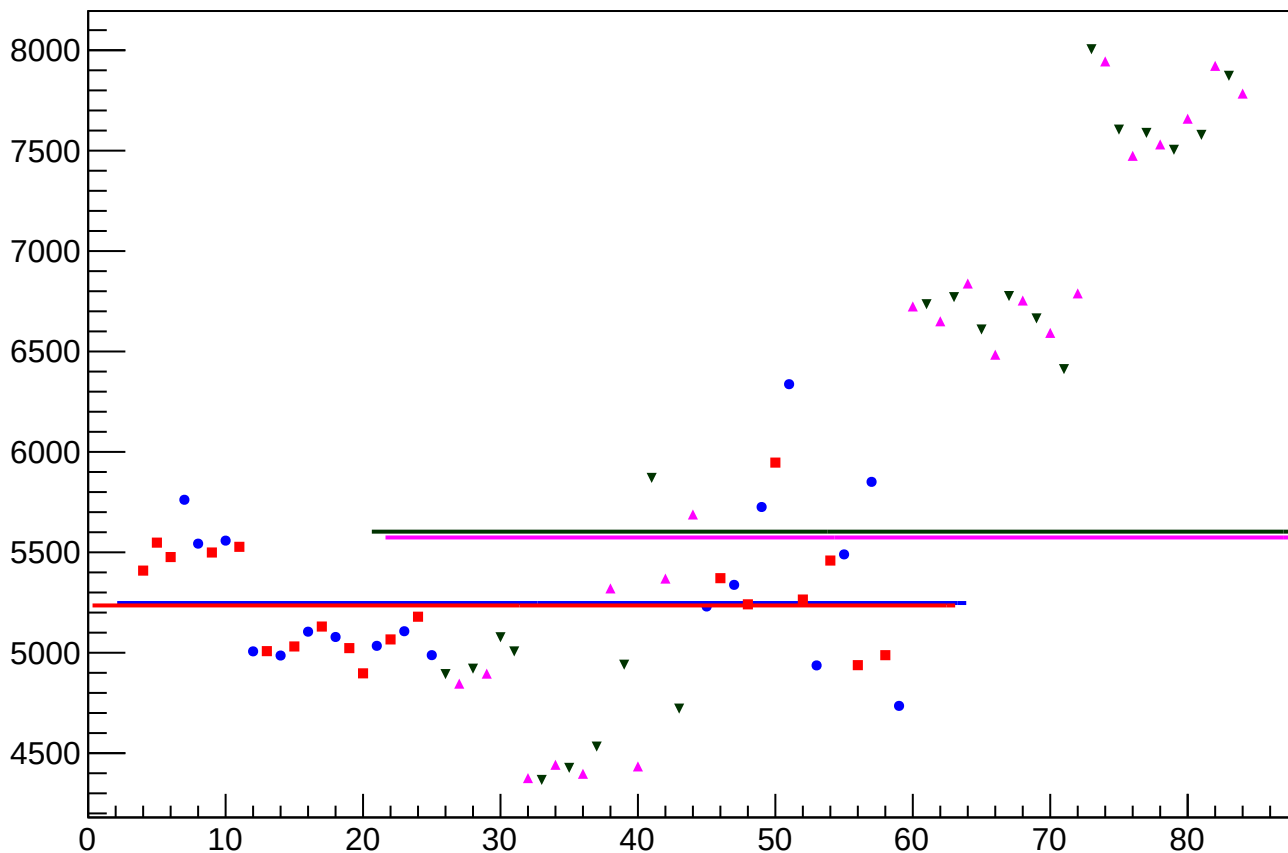
Right Out: 9.337 ± 1.659 $\chi^2/\text{NDF}: 62.4/18$

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

-4.793 ± 1.152 $\chi^2/\text{NDF}: 964.0/39$

-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: 5602.963+/-1.198 χ^2/NDF : 942659.6/21

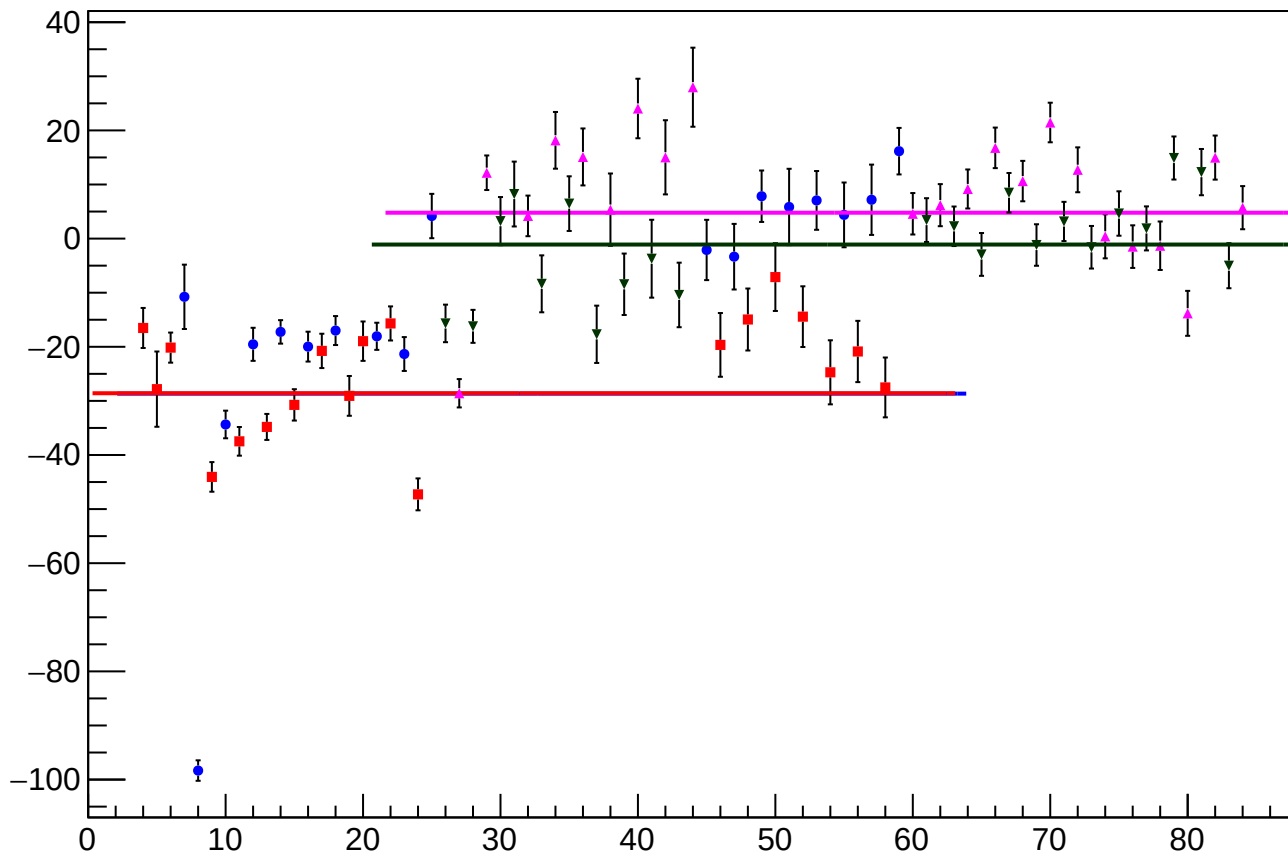
Right Out: 5235.469+/-1.173 χ^2/NDF : 47165.0/18

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

5411.631+/-0.814 χ^2/NDF : 1095632.4/39

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

diff_bpm0l03Y_mean vs slug



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

Left Out: -1.099 $\pm$ 0.899 χ^2 /NDF: 103.8/21

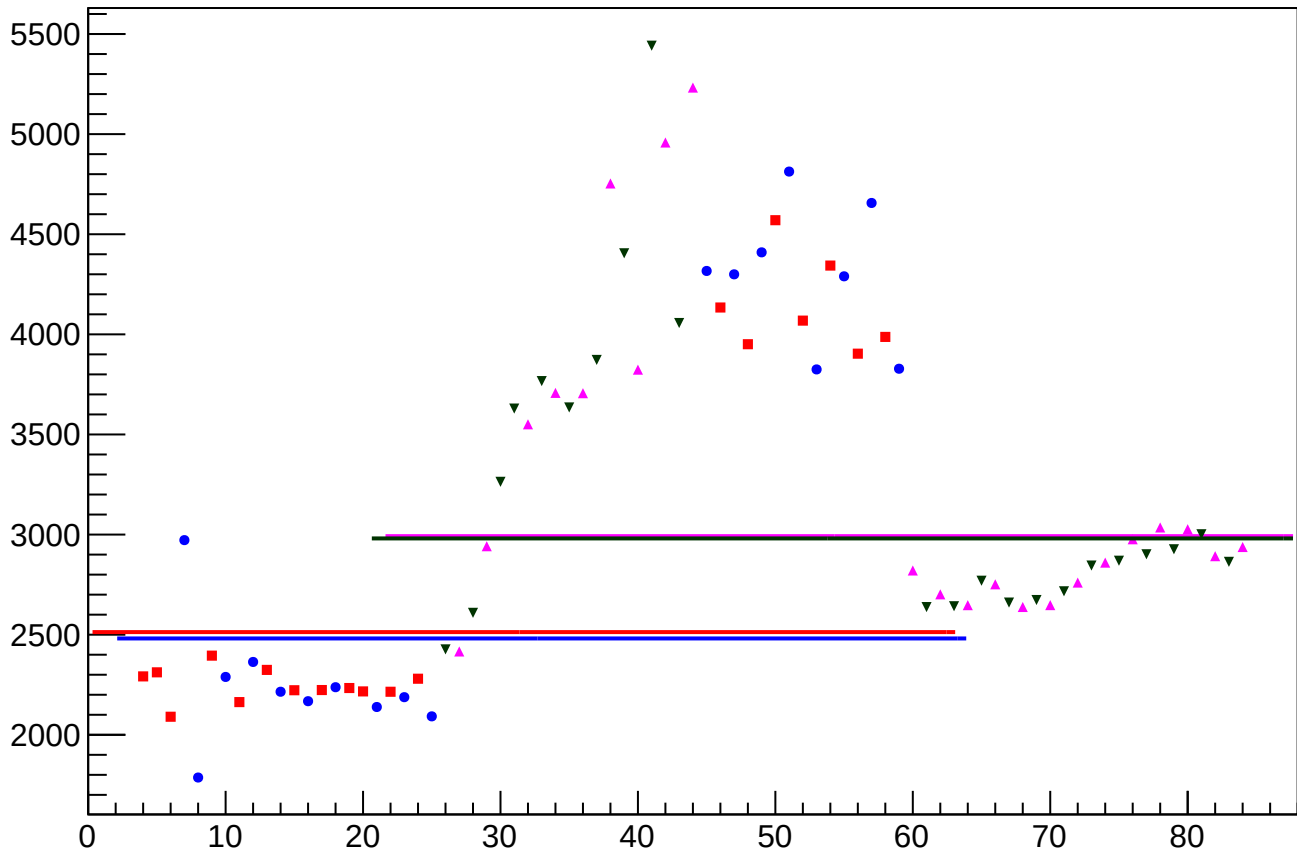
Right Out: -28.584 $\pm$ 0.826 χ^2 /NDF: 168.7/18

Left In: 4.785 $\pm$ 0.869 χ^2 /NDF: 273.1/21

-16.787 $\pm$ 0.590 χ^2 /NDF: 2496.2/39

-12.732 $\pm$ 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: 2980.773 $\pm$ 0.636 χ^2 /NDF: 754368.2/21

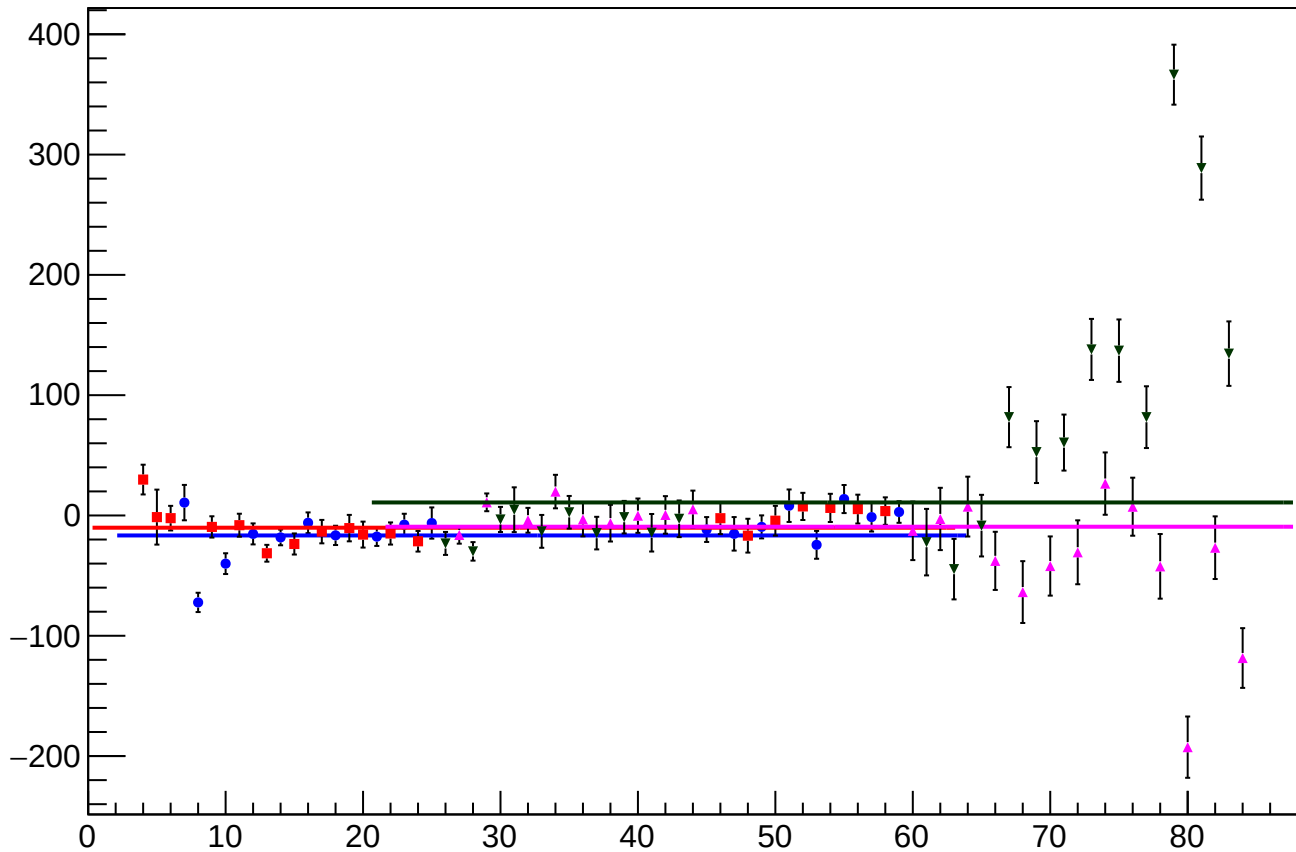
2696.379 $\pm$ 0.417 χ^2 /NDF: 3218281.7/39

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 $\chi^2/\text{NDF}: 79.9/17$

Left Out: 10.817 ± 3.363 $\chi^2/\text{NDF}: 469.0/21$

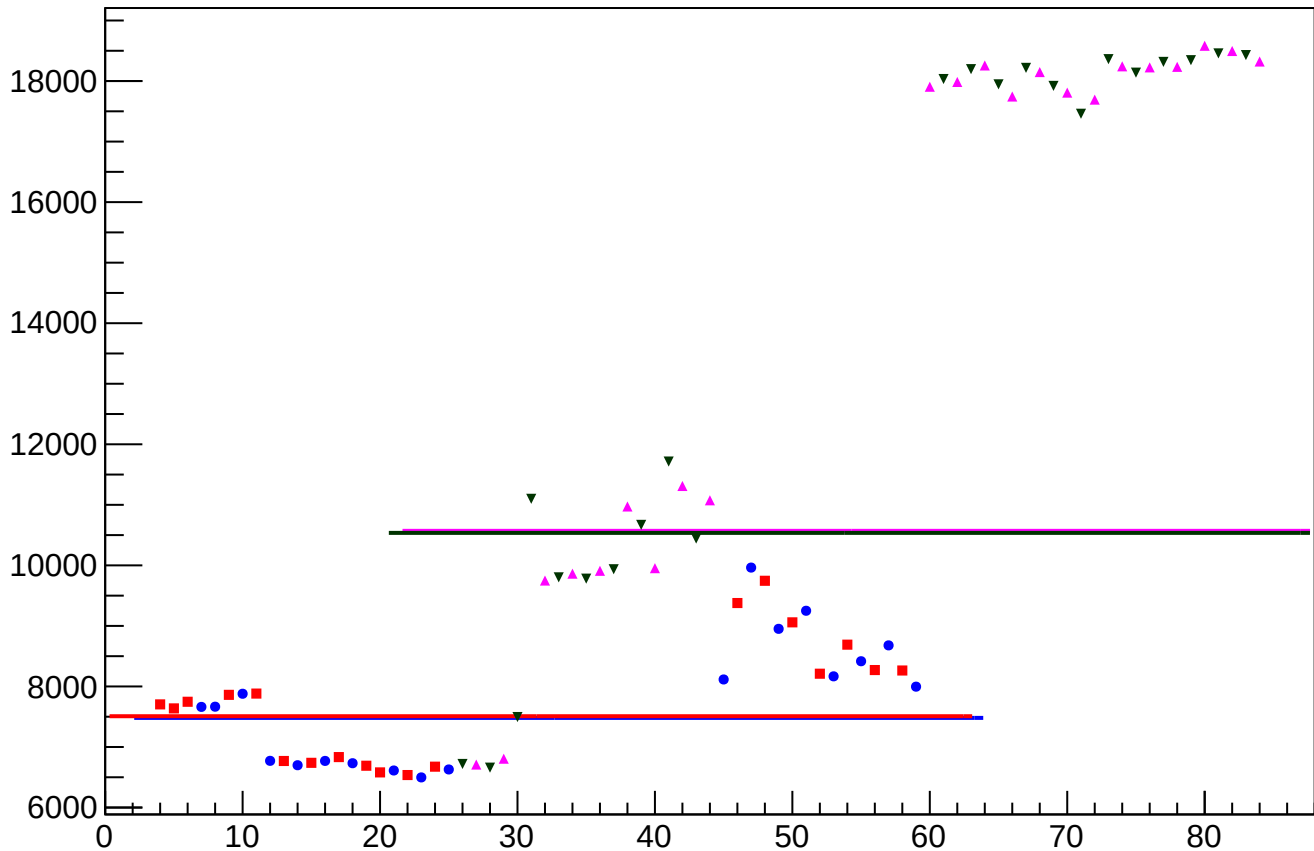
Right Out: -10.172 ± 2.389 $\chi^2/\text{NDF}: 33.7/18$

Left In: -9.357 ± 3.246 $\chi^2/\text{NDF}: 99.2/21$

-8.175 ± 1.865 $\chi^2/\text{NDF}: 594.9/39$

-9.886 ± 1.924 $\chi^2/\text{NDF}: 132.9/40$

diff_bpm0l04X_rms vs slug



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

Left Out: 10536.615+/-2.378 χ^2/NDF : 3153934.2/21

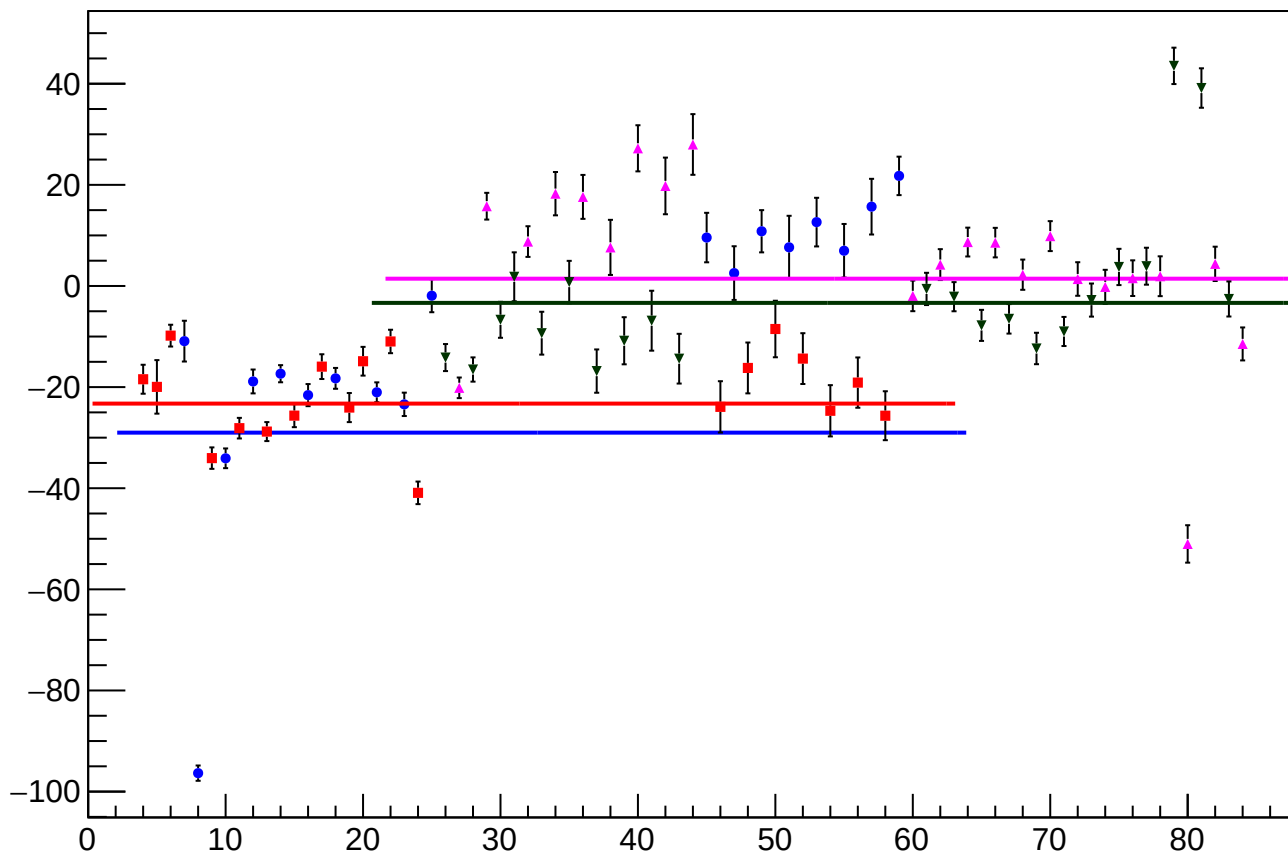
Right Out: 7508.240+/-1.689 χ^2/NDF : 289453.4/18

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

8420.683+/-1.319 χ^2/NDF : 4631966.5/39

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

diff_bpm0l04Y_mean vs slug



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

Left Out: -3.343 ± 0.734 χ^2/NDF : 382.1/21

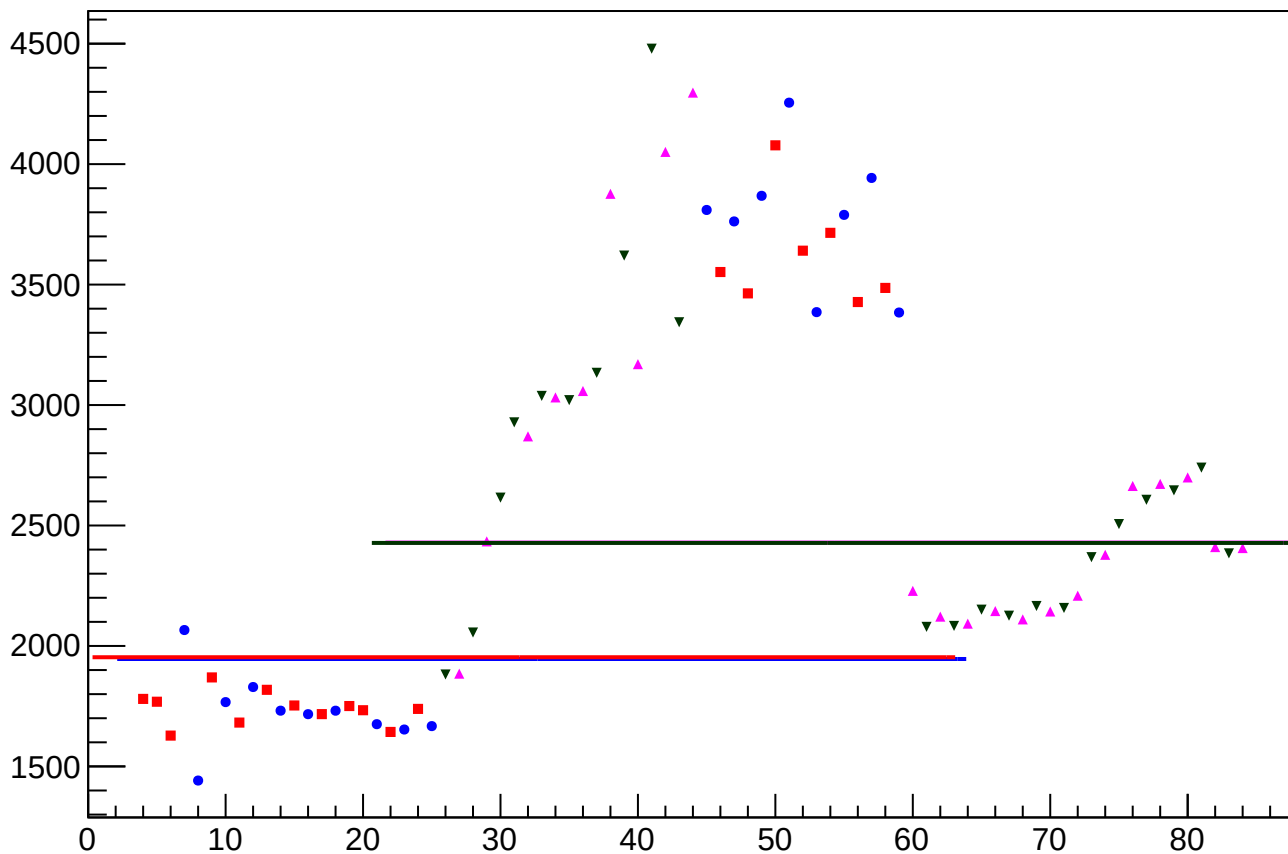
Right Out: -23.263 ± 0.648 χ^2/NDF : 204.8/18

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

-18.351 ± 0.473 χ^2/NDF : 3889.4/39

-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: 2427.689+/-0.519 χ^2/NDF : 883278.0/21

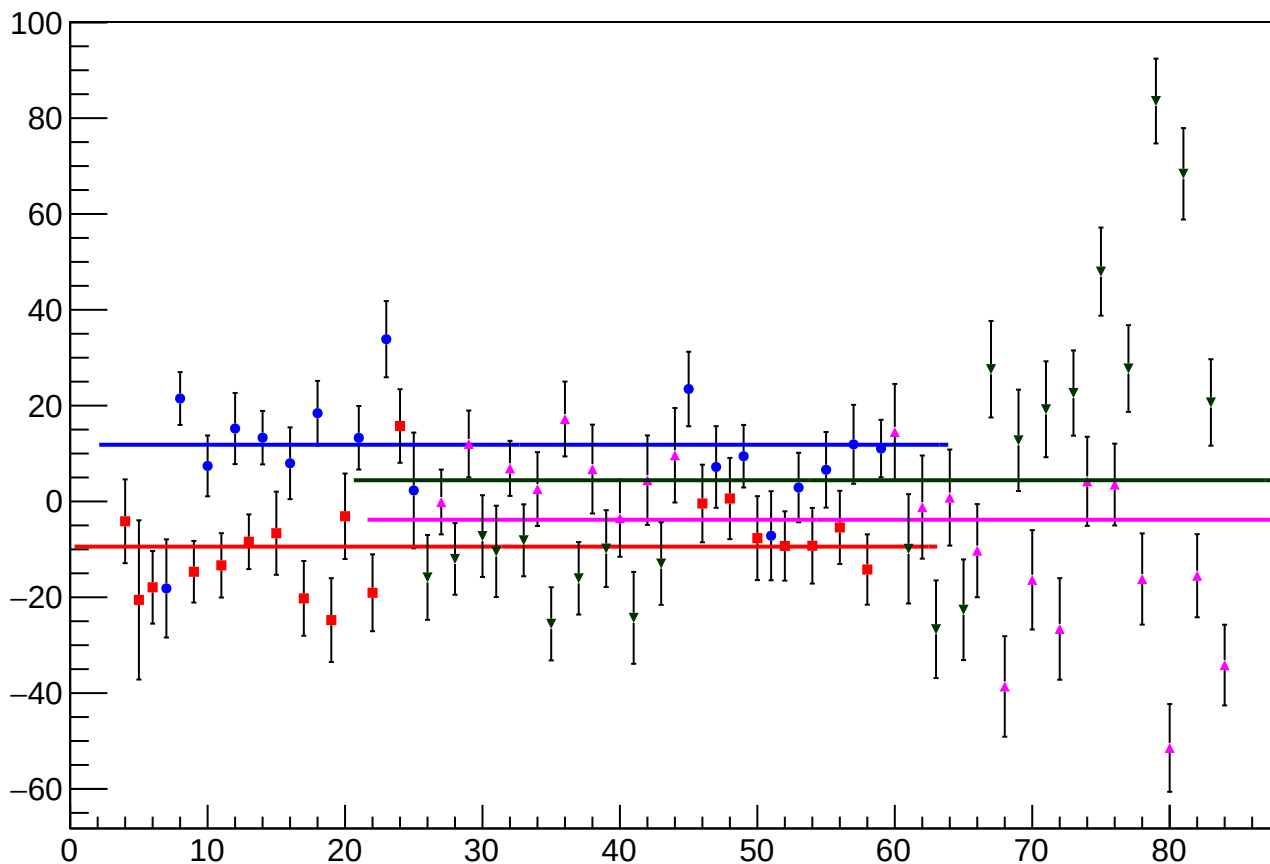
Right Out: 1953.157+/-0.458 χ^2/NDF : 1725858.1/18

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

2145.922+/-0.334 χ^2/NDF : 3987015.4/39

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

diff_bpm0l05X_mean vs slug



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

Left Out: 4.426 $\pm$ 1.905 χ^2 /NDF: 243.1/21

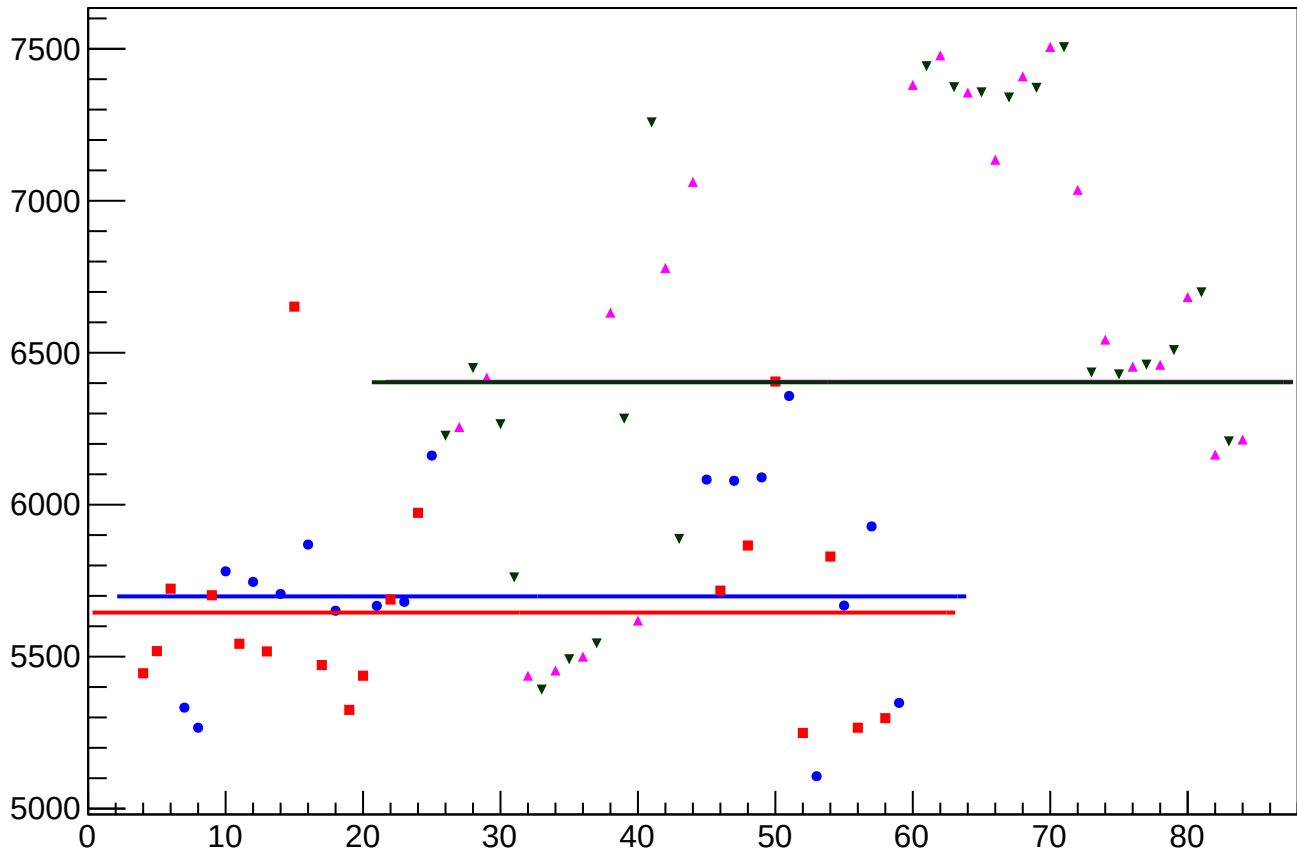
Right Out: -9.425 $\pm$ 1.790 χ^2 /NDF: 24.3/18

Left In: -3.819 $\pm$ 1.836 χ^2 /NDF: 86.9/21

8.550 $\pm$ 1.269 χ^2 /NDF: 282.3/39

-6.693 $\pm$ 1.282 χ^2 /NDF: 116.0/40

diff_bpm0l05X_rms vs slug



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

Left Out: 6402.819+/-1.347 χ^2/NDF : 237429.2/21

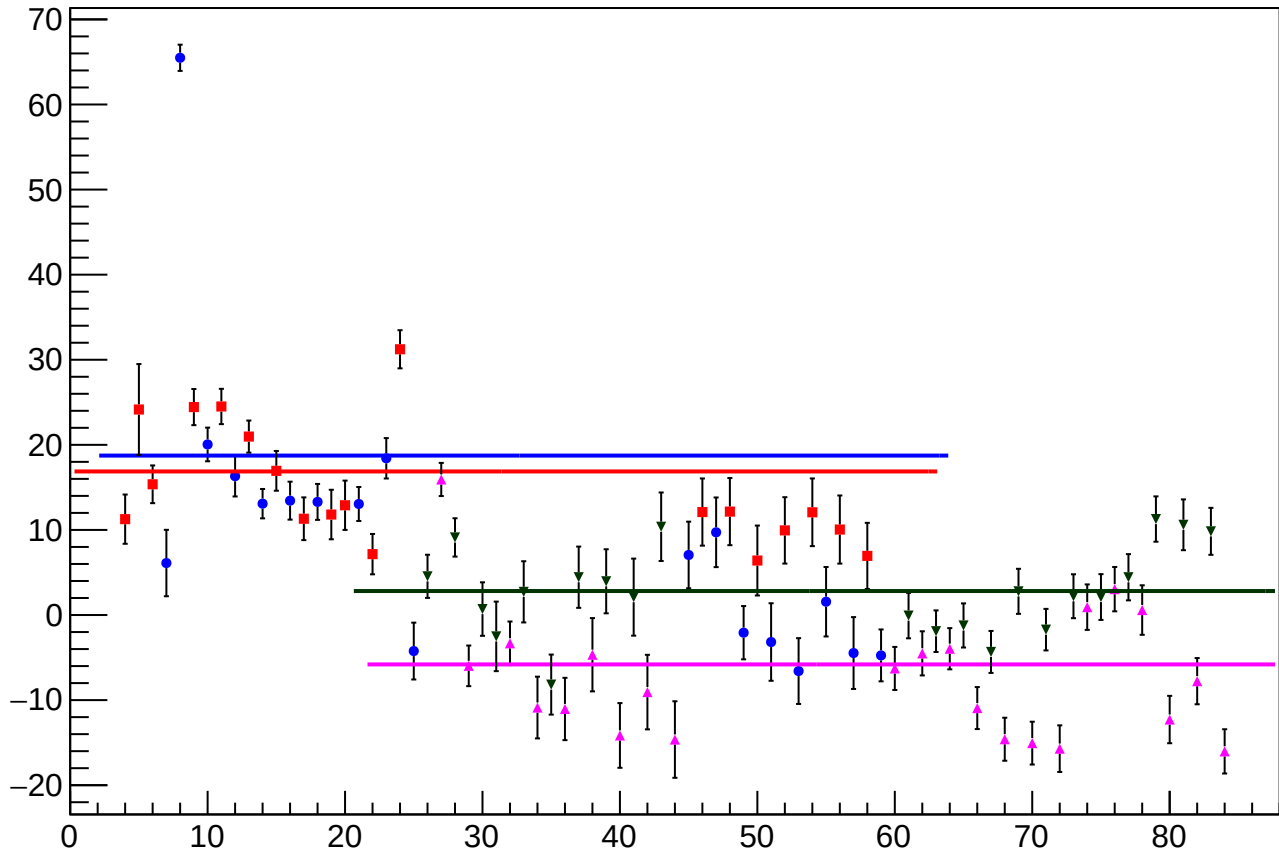
Right Out: 5644.999+/-1.266 χ^2/NDF : 71475.4/18

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

6010.819+/-0.897 χ^2/NDF : 456848.5/39

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: 2.819 $\pm$ 0.612 χ^2 /NDF: 67.0/21

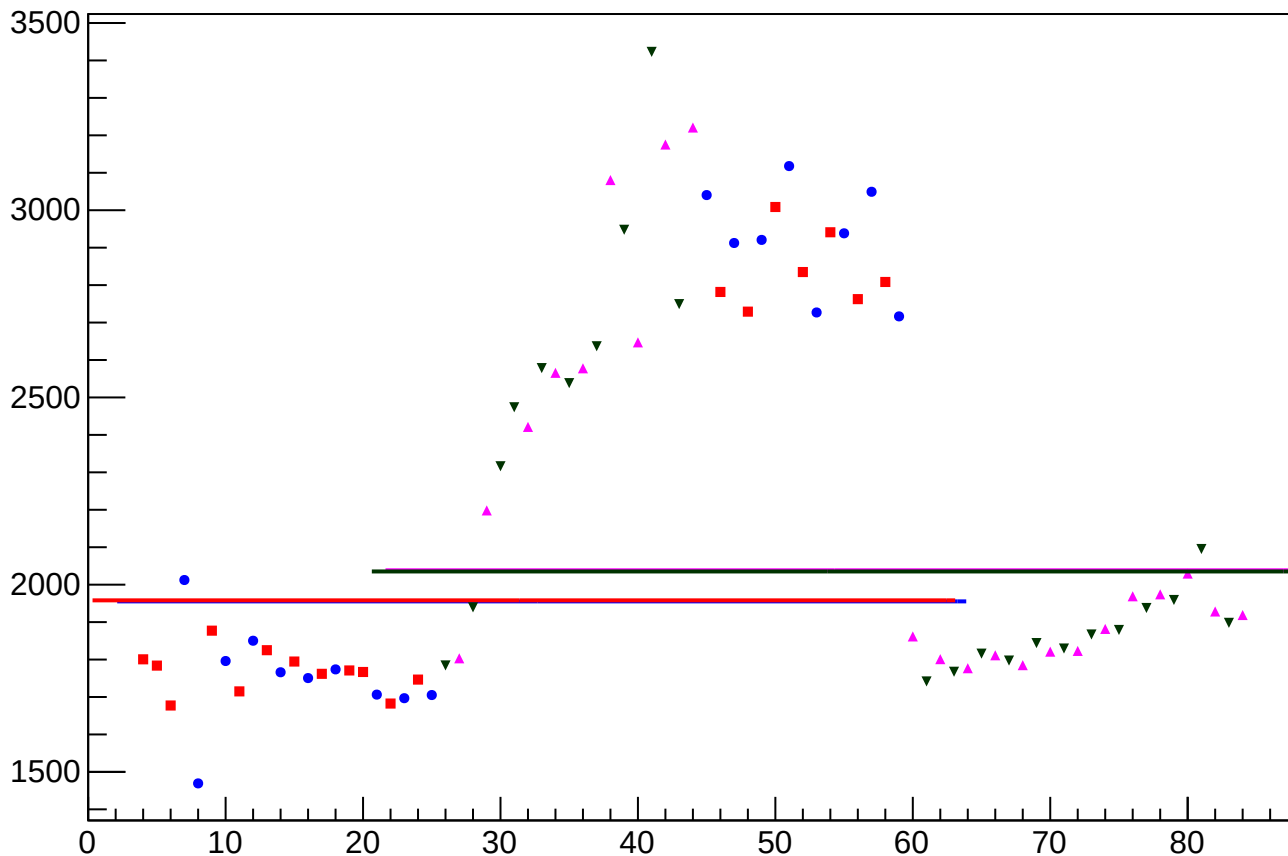
Right Out: 16.874 $\pm$ 0.633 χ^2 /NDF: 128.0/18

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

10.915 $\pm$ 0.429 χ^2 /NDF: 1652.4/39

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: 2035.285 $\pm$ 0.433 χ^2 /NDF: 703690.1/21

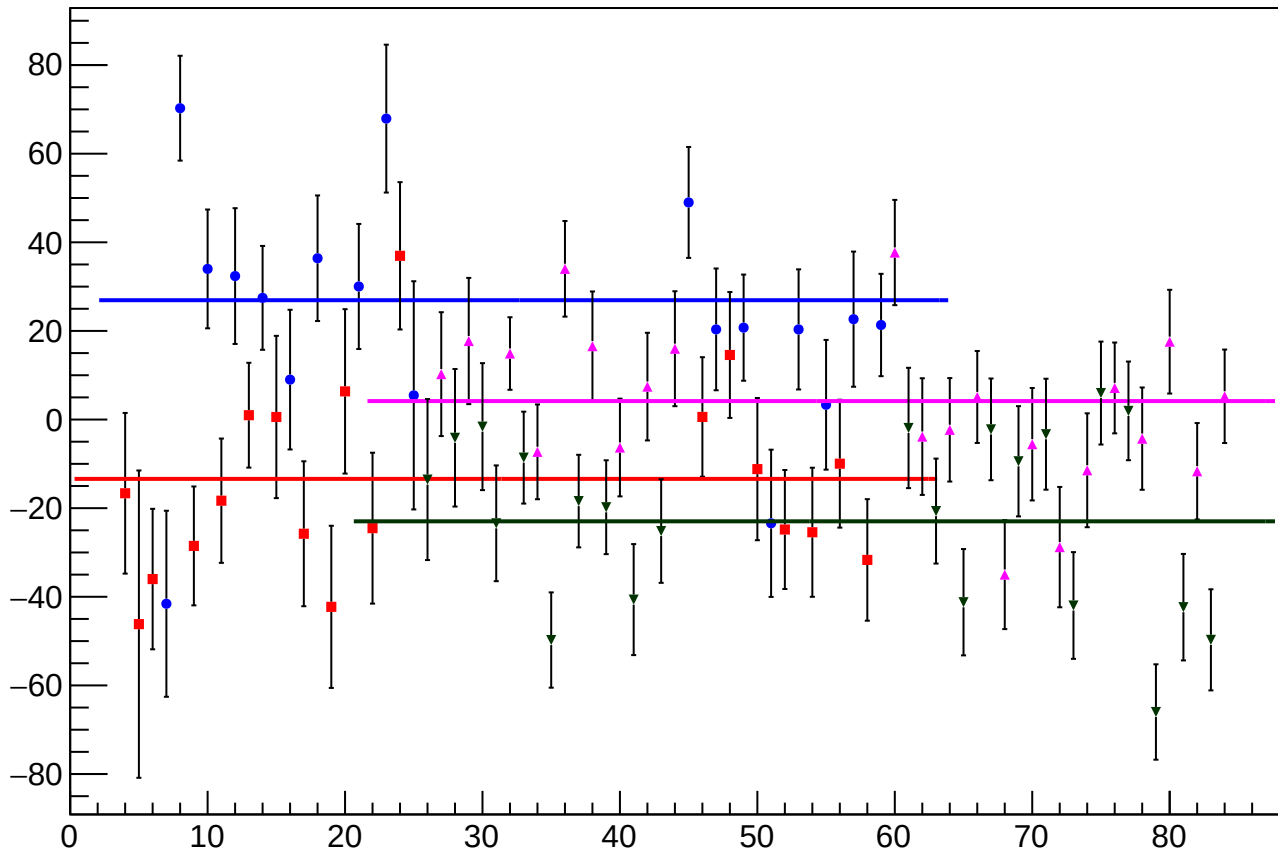
Right Out: 1958.115 $\pm$ 0.448 χ^2 /NDF: 858074.3/18

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

1994.642 $\pm$ 0.303 χ^2 /NDF: 2096711.8/39

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

diff_bpm0l06X_mean vs slug



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

Left Out: -22.969 ± 2.555 χ^2/NDF : 63.9/21

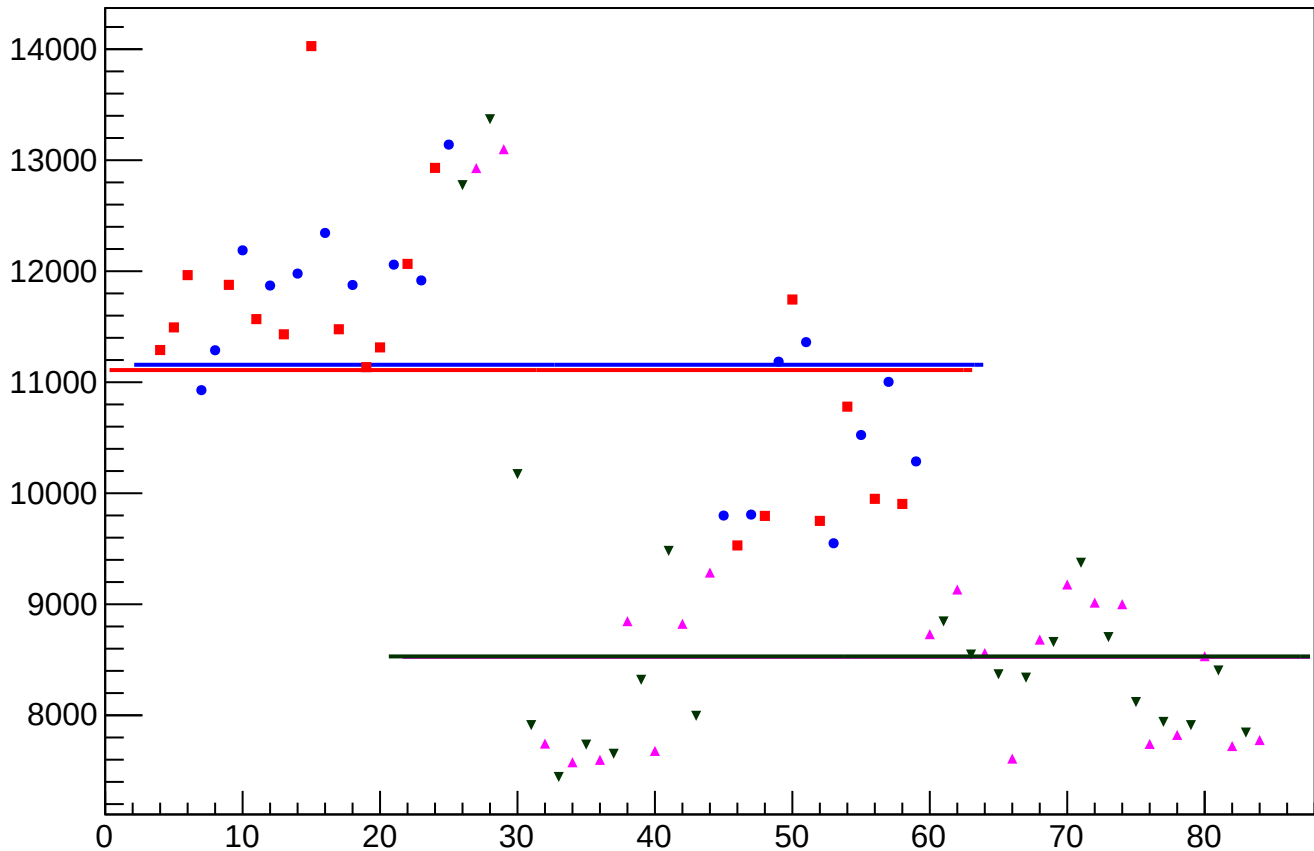
Right Out: -13.392 ± 3.535 χ^2/NDF : 28.4/18

Left In: 4.169 ± 2.459 χ^2/NDF : 45.2/21

-4.524 ± 2.029 χ^2/NDF : 253.8/39

-1.559 ± 2.019 χ^2/NDF : 90.3/40

diff_bpm0l06X_rms vs slug



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

Left Out: 8530.103 $\pm$ 1.807 χ^2 /NDF: 431716.2/21

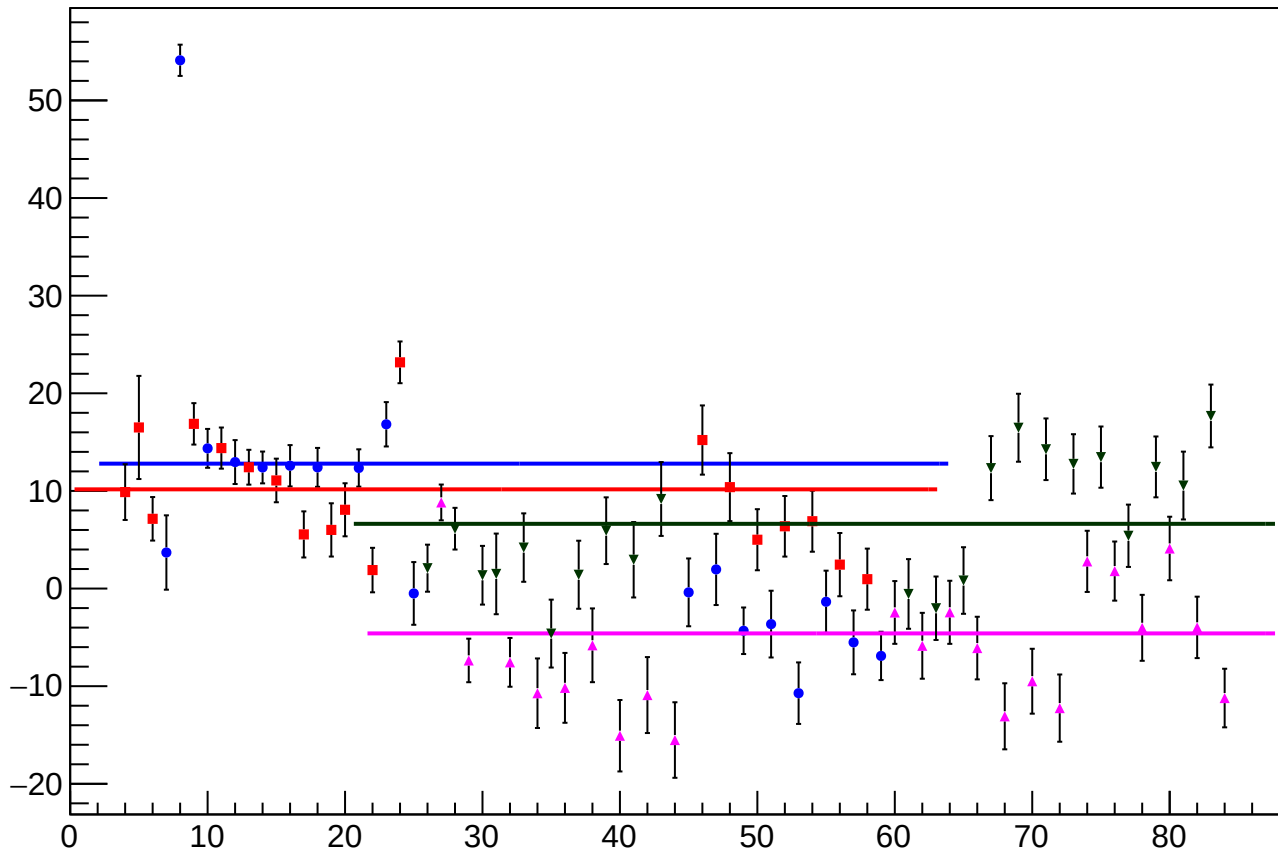
9501.225 $\pm$ 1.435 χ^2 /NDF: 1366998.9/39

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 ± 0.559 χ^2/NDF : 961.0/17

Left Out: 6.629 ± 0.681 χ^2/NDF : 79.2/21

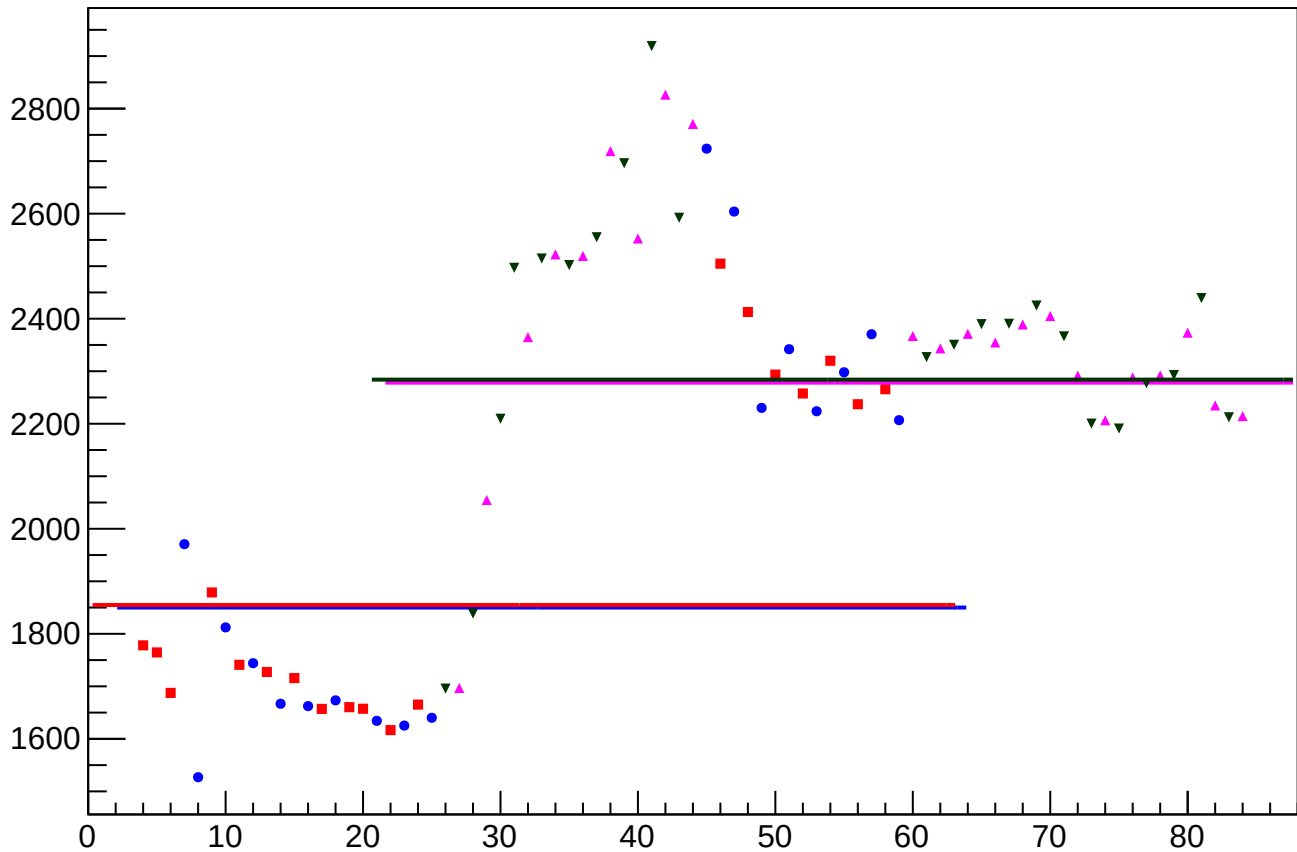
Right Out: 10.162 ± 0.592 χ^2/NDF : 97.7/18

Left In: -4.594 ± 0.654 χ^2/NDF : 117.5/21

10.313 ± 0.432 χ^2/NDF : 1089.2/39

3.512 ± 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: 2283.993+/-0.482 χ^2/NDF : 355895.3/21

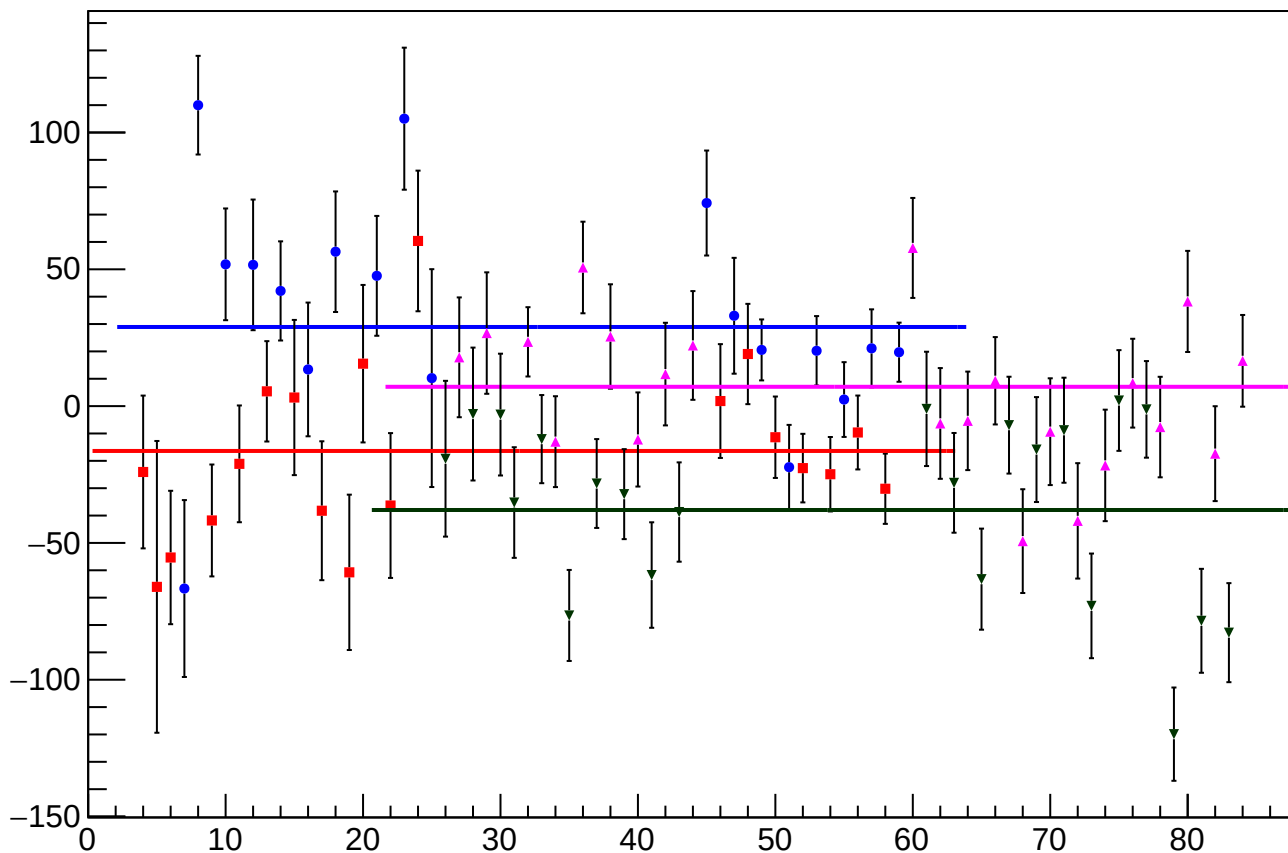
Right Out: 1854.854+/-0.419 χ^2/NDF : 407929.4/18

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

2024.685+/-0.306 χ^2/NDF : 1503961.8/39

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

diff_bpm0l07X_mean vs slug



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

Left Out: -37.964 ± 3.981 χ^2/NDF : 73.2/21

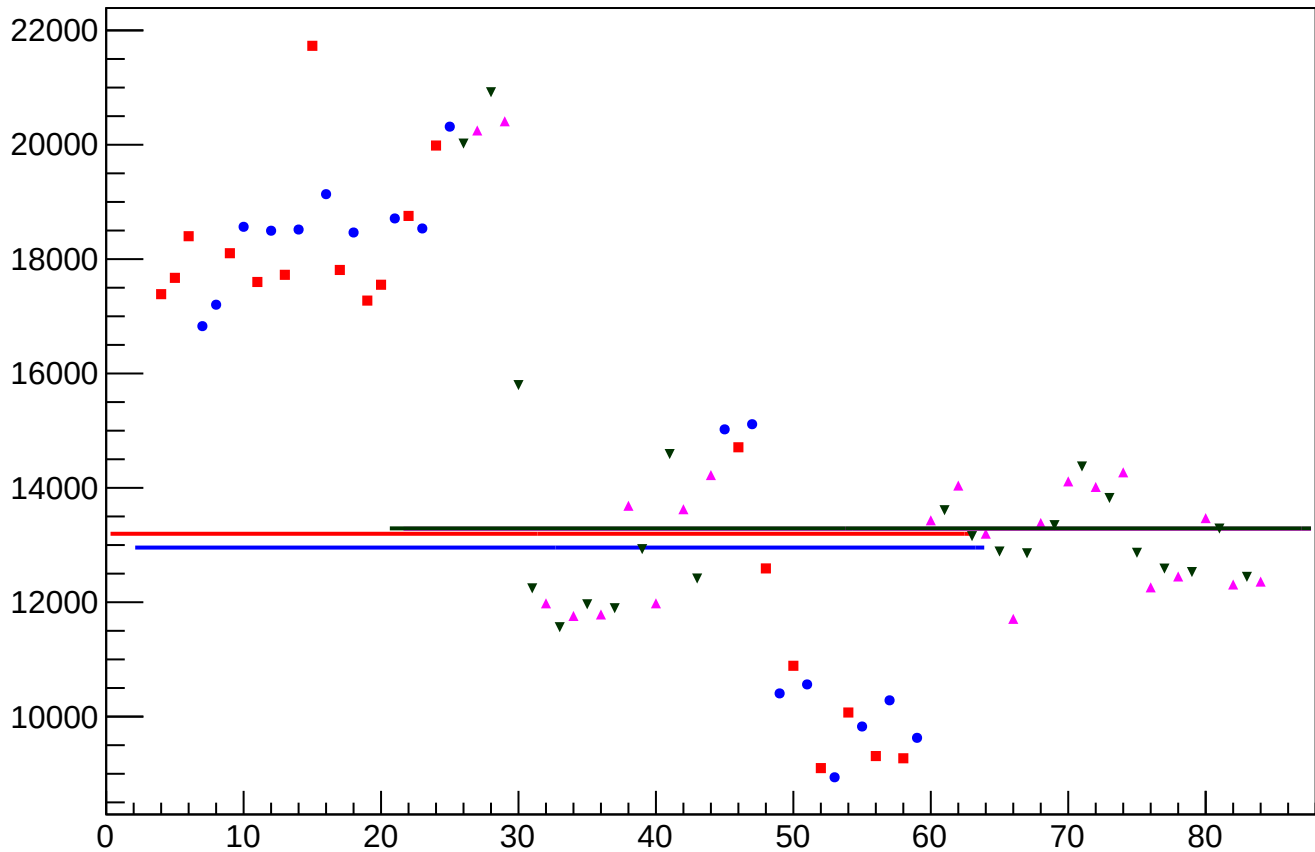
Right Out: -16.388 ± 4.377 χ^2/NDF : 27.5/18

Left In: 7.064 ± 3.831 χ^2/NDF : 45.2/21

-4.973 ± 2.834 χ^2/NDF : 278.0/39

-3.109 ± 2.883 χ^2/NDF : 89.0/40

diff_bpm0l07X_rms vs slug



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

Left Out: 13291.537 $\pm$ 2.815 χ^2 /NDF: 428344.4/21

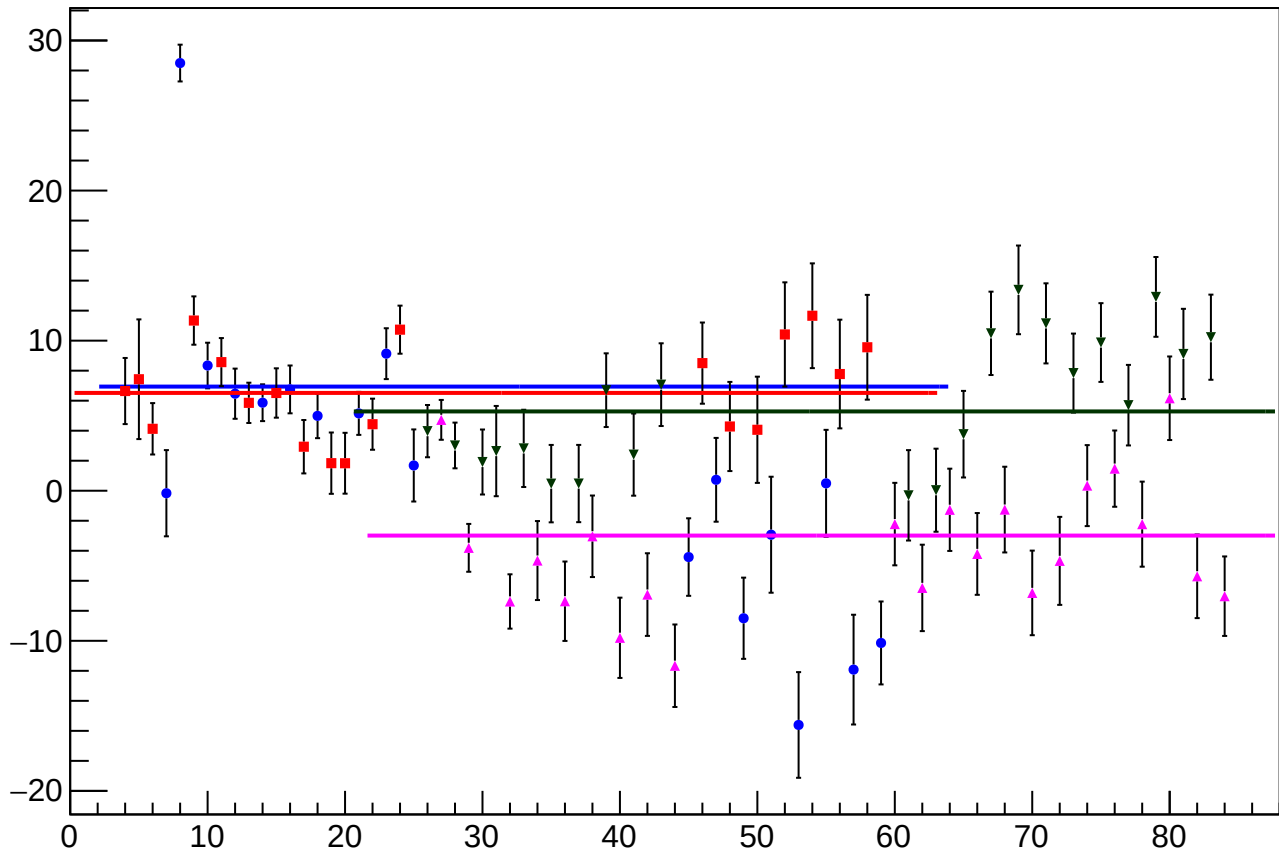
13125.996 $\pm$ 2.004 χ^2 /NDF: 2335990.9/39

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: 5.284 ± 0.533 χ^2/NDF : 55.8/21

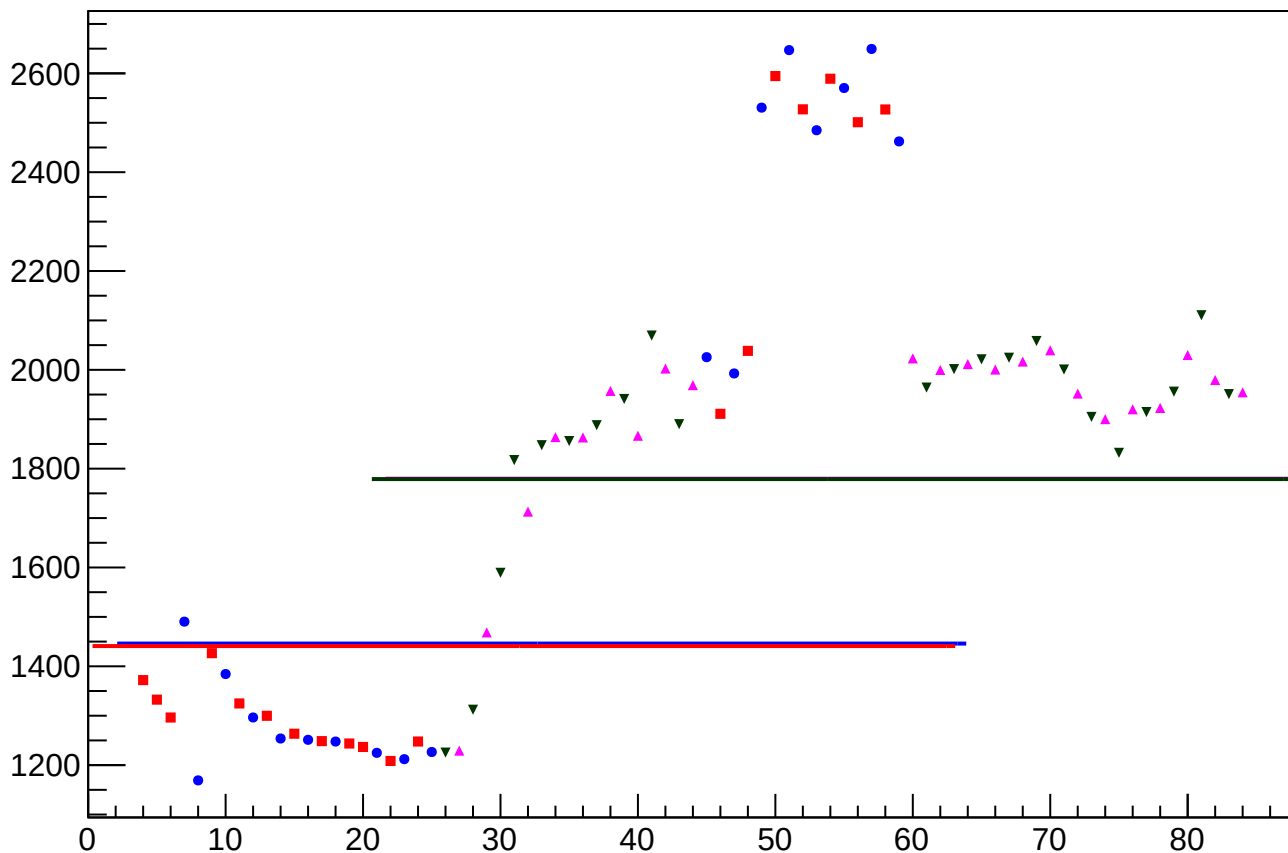
Right Out: 6.517 ± 0.472 χ^2/NDF : 41.8/18

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

6.251 ± 0.344 χ^2/NDF : 561.0/39

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: 1778.933+/-0.377 χ^2/NDF : 579938.0/21

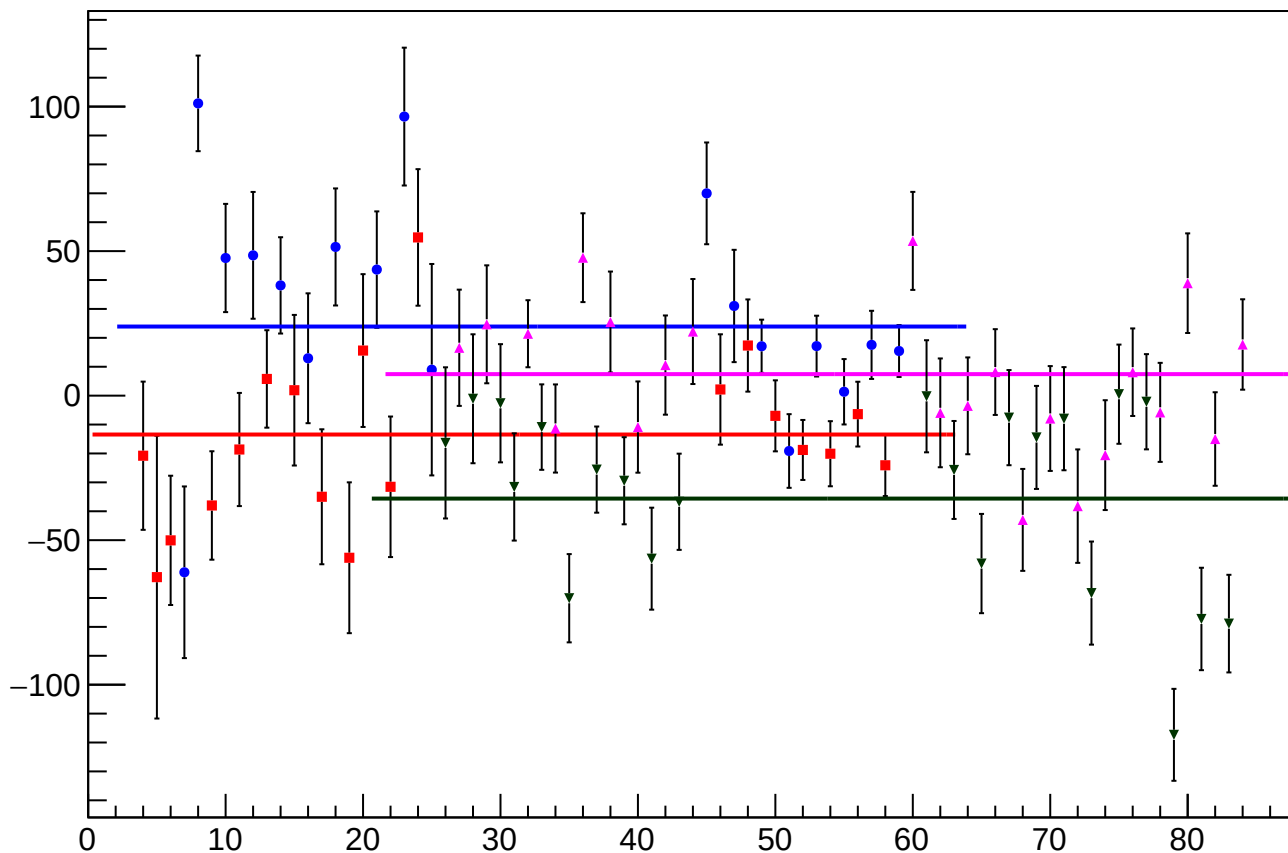
1584.386+/-0.243 χ^2/NDF : 2927182.7/39

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

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

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

diff_bpm0l08X_mean vs slug



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

Left Out: -35.612 $\pm$ 3.682 χ^2 /NDF:78.0/21

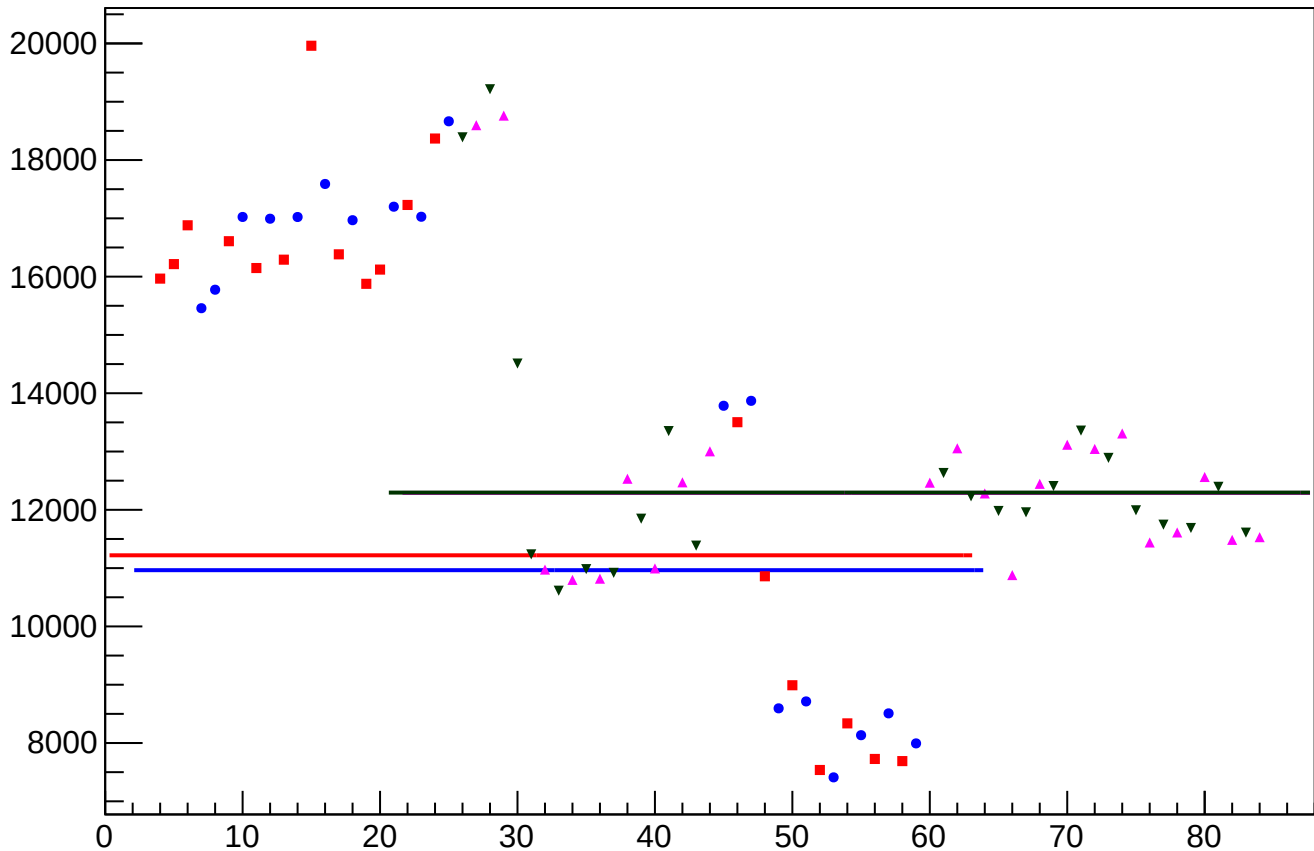
Right Out: -13.450 $\pm$ 3.783 χ^2 /NDF: 27.5/18

Left In: 7.443 $\pm$ 3.543 χ^2 /NDF:45.0/21

-4.087 $\pm$ 2.525 χ^2 /NDF: 287.0/39

-2.321 $\pm$ 2.586 χ^2 /NDF: 88.7/40

diff_bpm0l08X_rms vs slug



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

Left Out: 12295.640+/-2.604 χ^2/NDF :424374.5/21

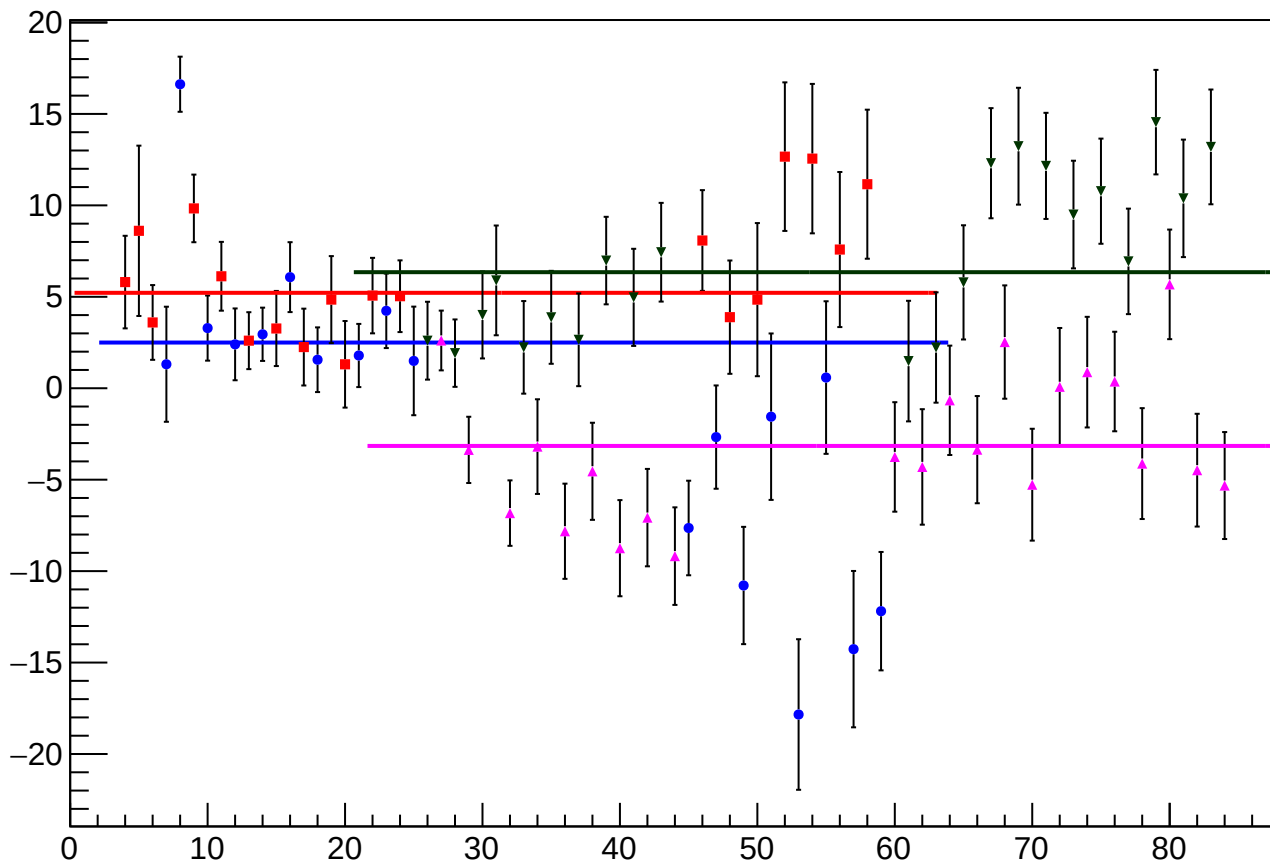
11590.723+/-1.786 χ^2/NDF : 3113599.2/39

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

11789.784+/-1.829 χ^2/NDF : 2961769.4/40

Left In: 12289.687+/-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: 6.346 ± 0.574 χ^2/NDF : 50.9/21

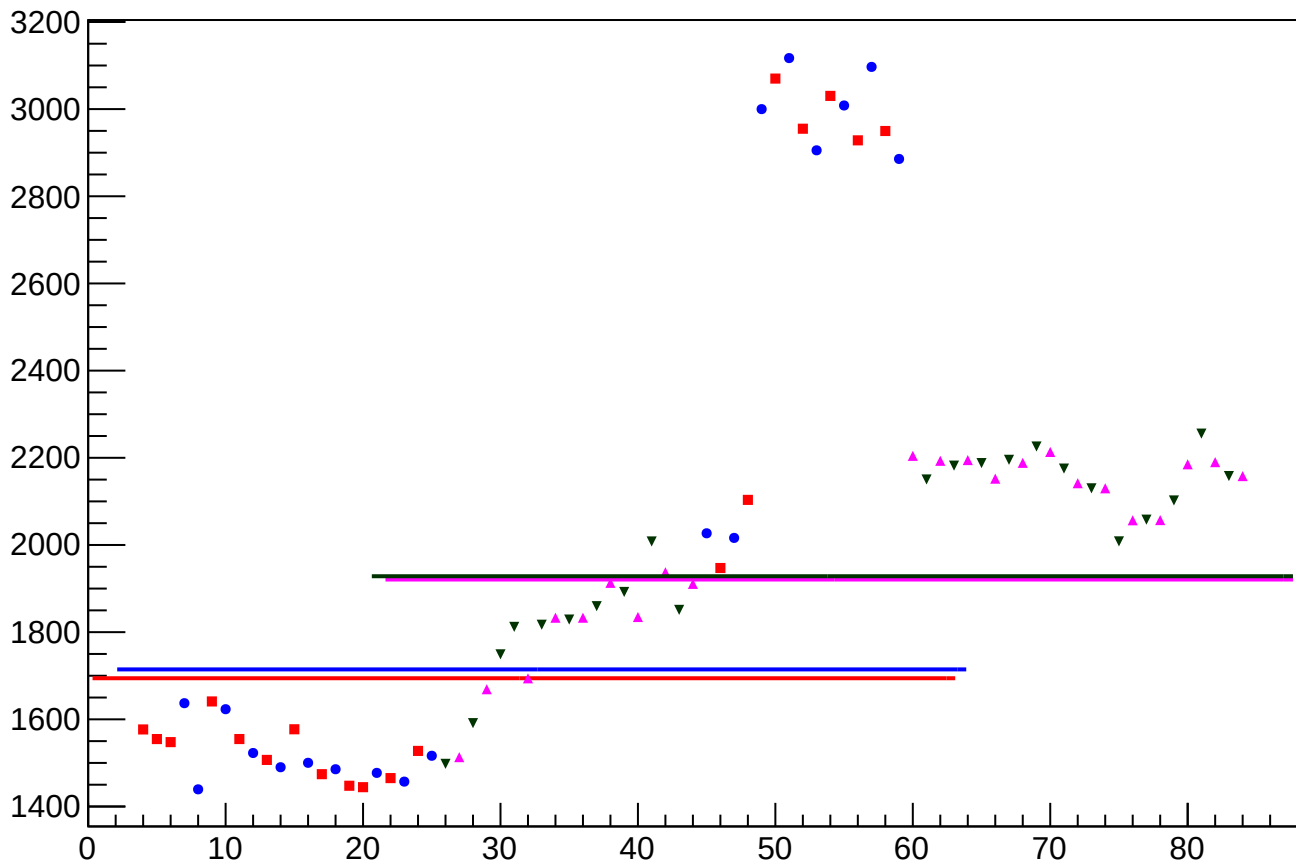
Right Out: 5.218 ± 0.553 χ^2/NDF : 26.5/18

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

4.269 ± 0.390 χ^2/NDF : 265.4/39

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: 1928.279+/-0.406 χ^2/NDF : 313804.4/21

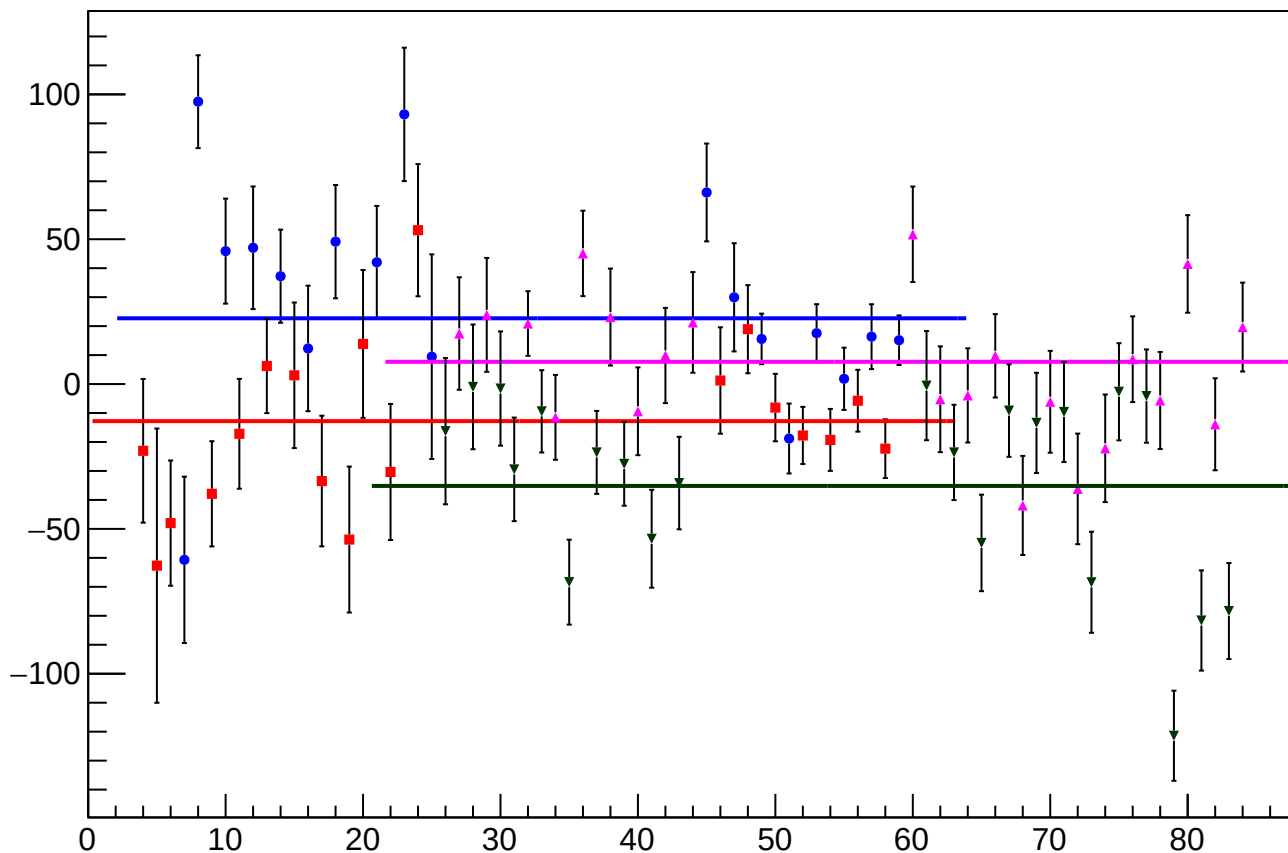
1812.899+/-0.275 χ^2/NDF : 2134117.7/39

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

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

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

diff_bpm0l09X_mean vs slug



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

Left Out: -35.168 ± 3.565 $\chi^2/\text{NDF}: 84.2/21$

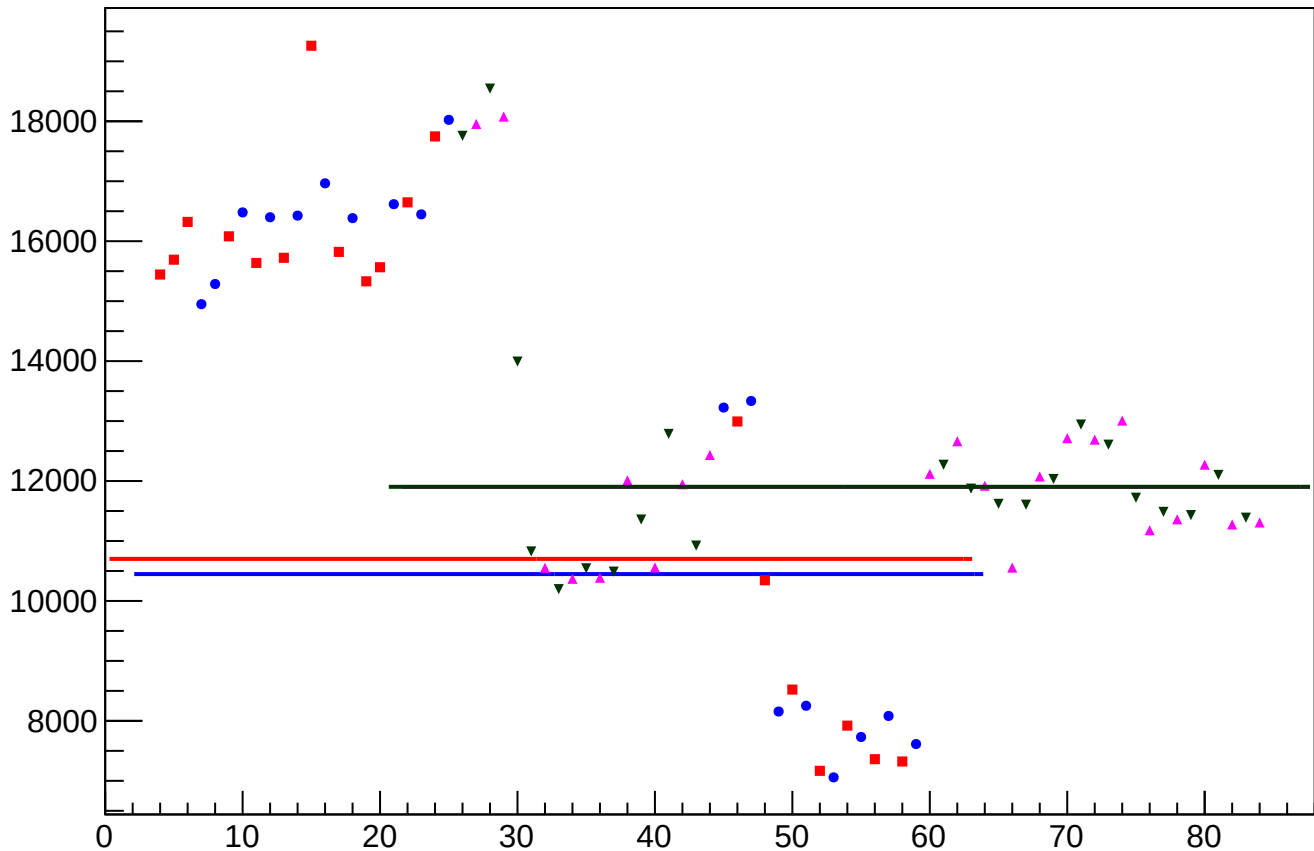
Right Out: -12.799 ± 3.618 $\chi^2/\text{NDF}: 28.2/18$

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

-4.134 ± 2.428 $\chi^2/\text{NDF}: 296.4/39$

-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: 11903.600+/-2.521 χ^2/NDF : 427229.0/21

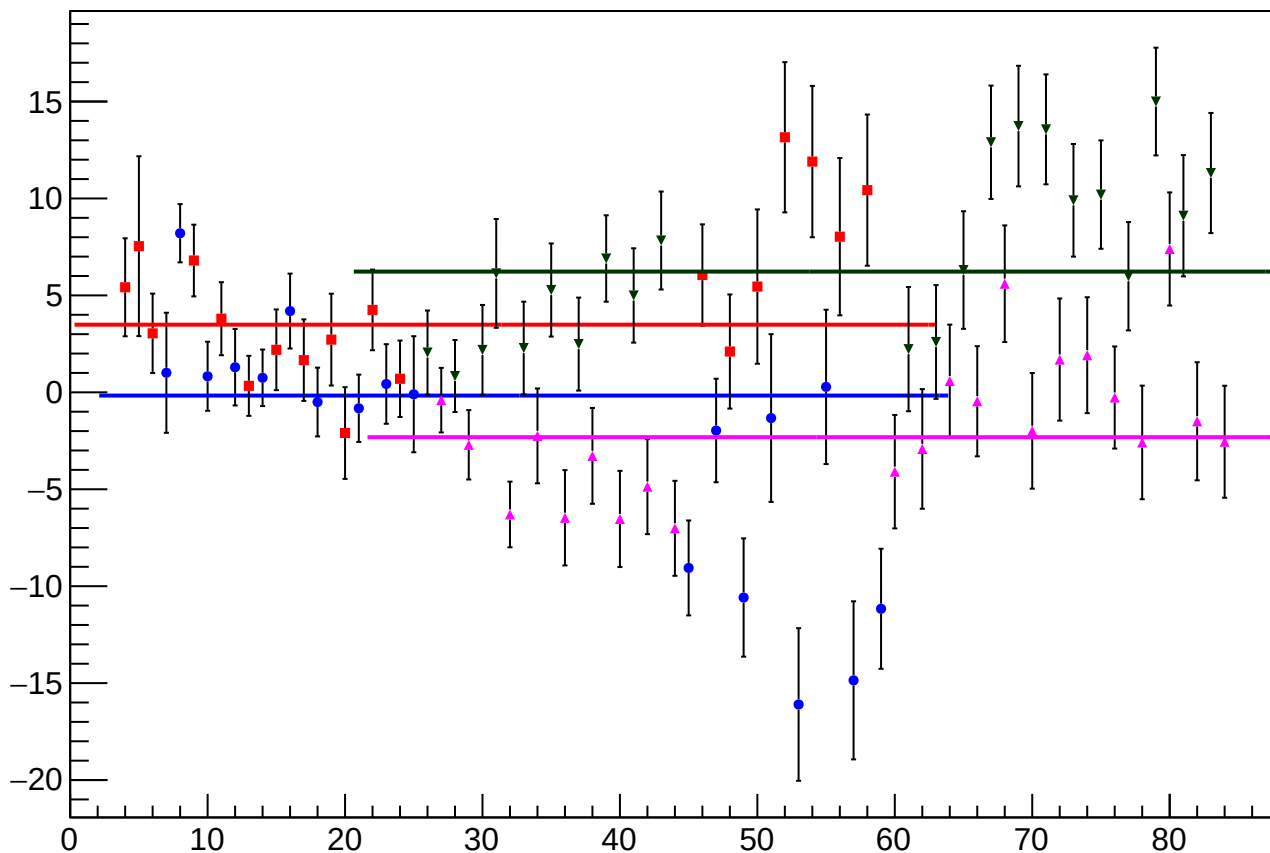
11123.050+/-1.717 χ^2/NDF : 3260664.7/39

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 ± 0.526 χ^2/NDF : 105.2/17

Left Out: 6.227 ± 0.555 χ^2/NDF : 59.2/21

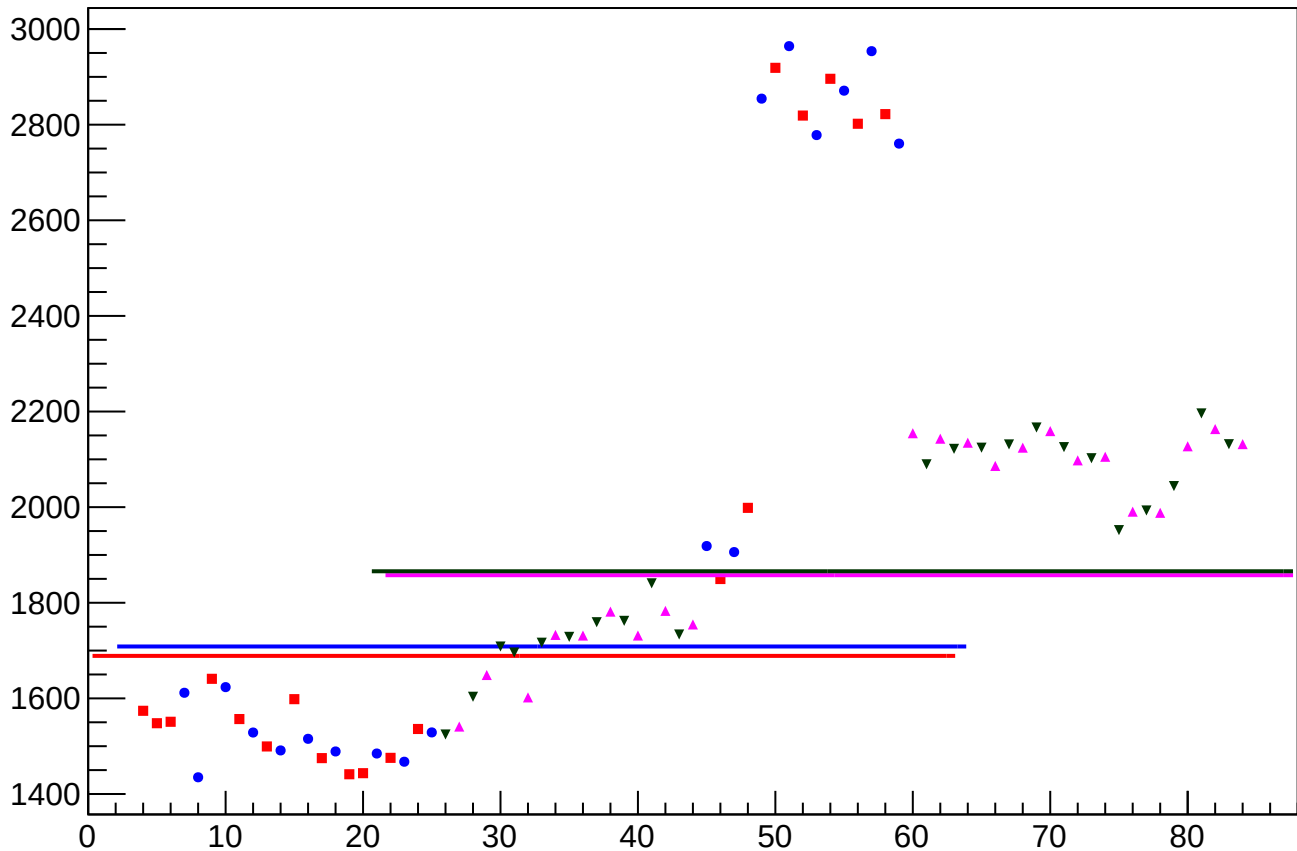
Right Out: 3.490 ± 0.549 χ^2/NDF : 34.4/18

Left In: -2.314 ± 0.533 χ^2/NDF : 41.7/21

2.855 ± 0.382 χ^2/NDF : 234.3/39

0.503 ± 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: 1865.870+/-0.393 χ^2/NDF : 290464.5/21

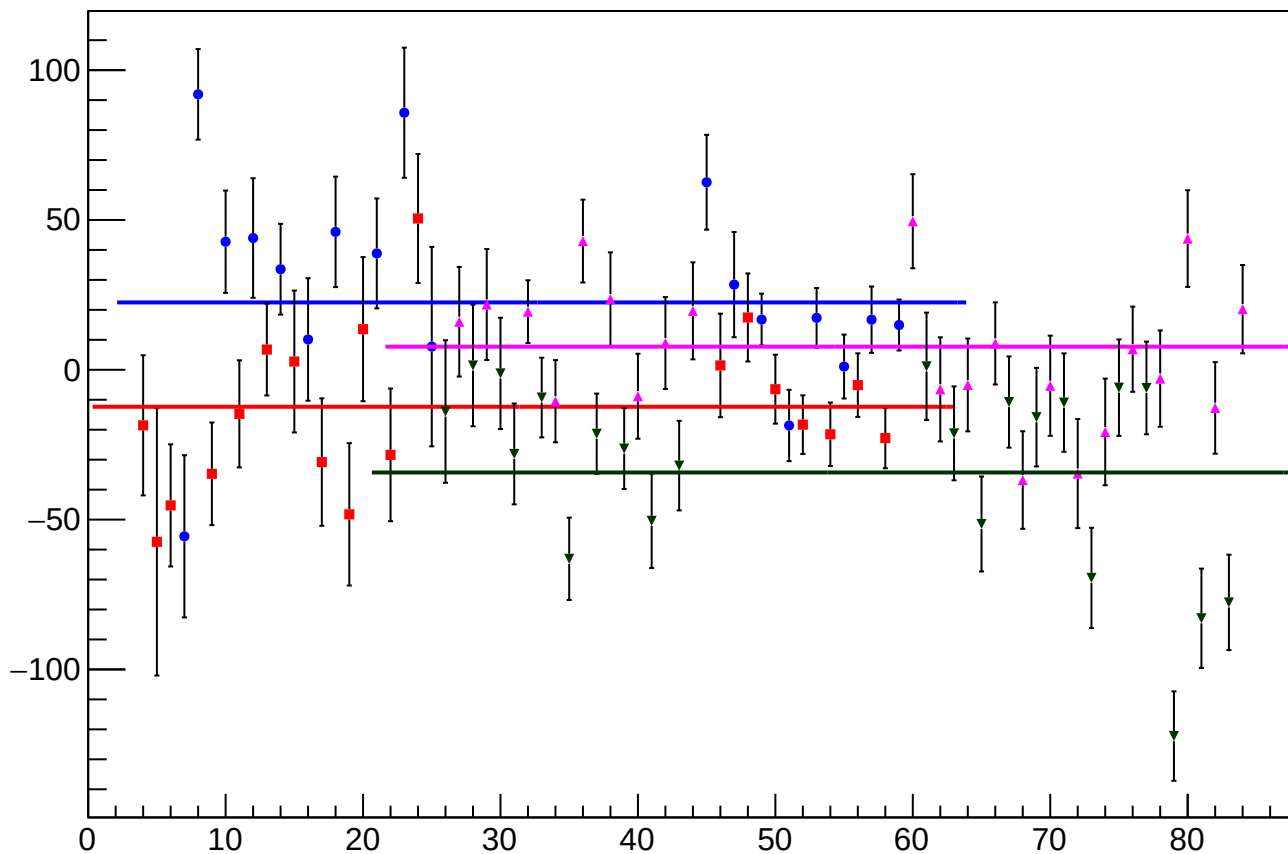
1782.912+/-0.270 χ^2/NDF : 1839689.6/39

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 $\chi^2/\text{NDF}: 68.3/17$

Left Out: -34.275 ± 3.376 $\chi^2/\text{NDF}: 90.5/21$

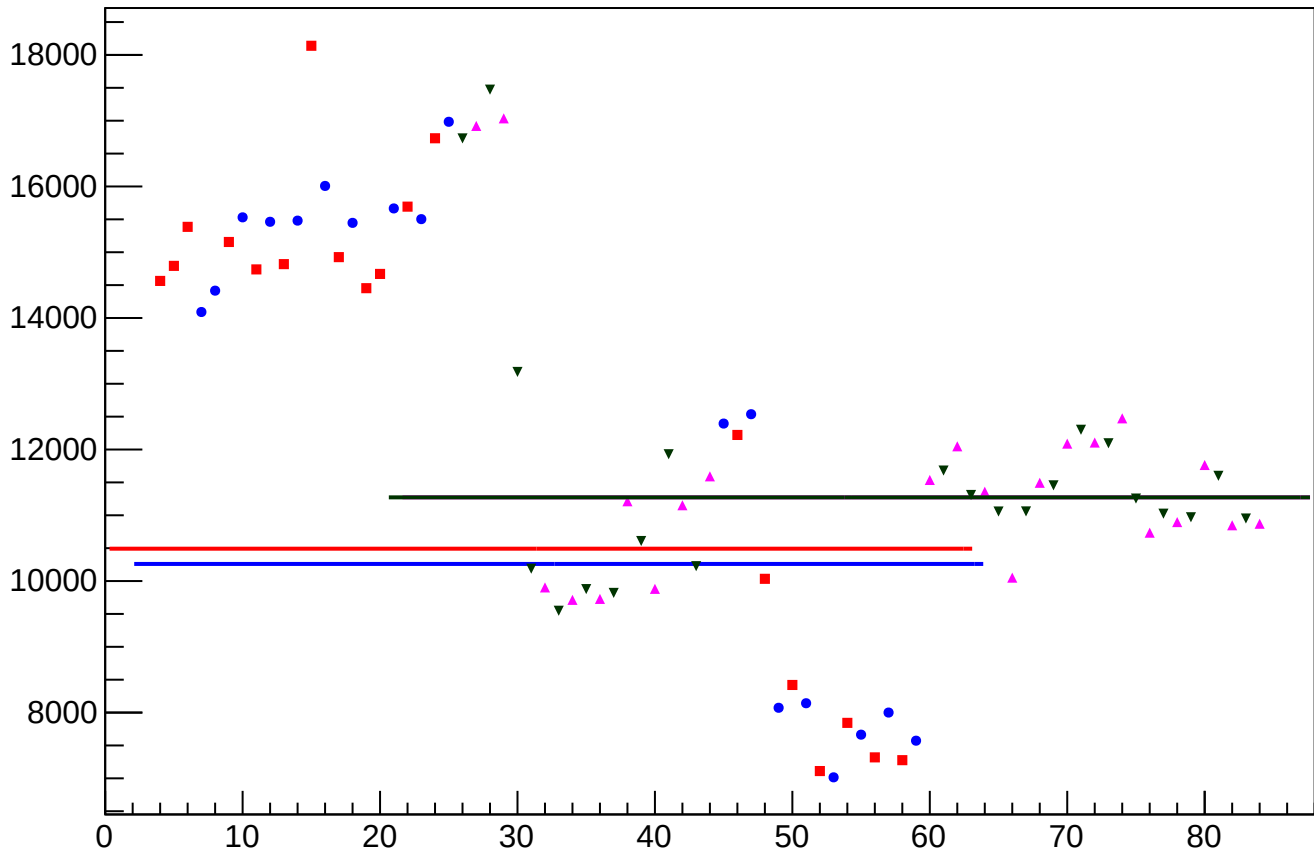
Right Out: -12.340 ± 3.516 $\chi^2/\text{NDF}: 28.3/18$

Left In: 7.718 ± 3.250 $\chi^2/\text{NDF}: 45.7/21$

-4.622 ± 2.333 $\chi^2/\text{NDF}: 306.4/39$

-1.524 ± 2.387 $\chi^2/\text{NDF}: 91.6/40$

diff_bpm0l10X_rms vs slug



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

Left Out: 11272.571 $\pm$ 2.387 χ^2 /NDF: 435028.8/21

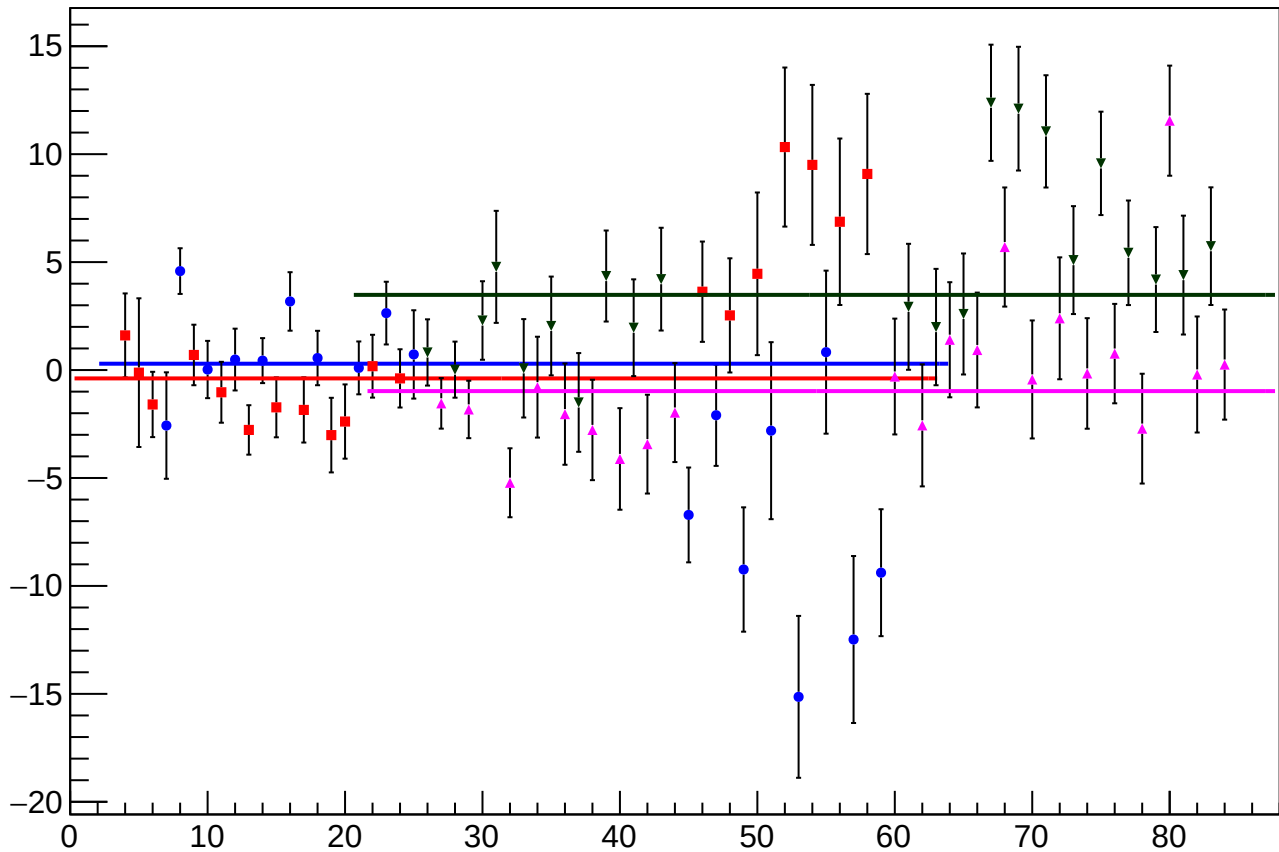
10743.602 $\pm$ 1.650 χ^2 /NDF: 2848982.2/39

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: 3.482 ± 0.478 χ^2/NDF : 56.2/21

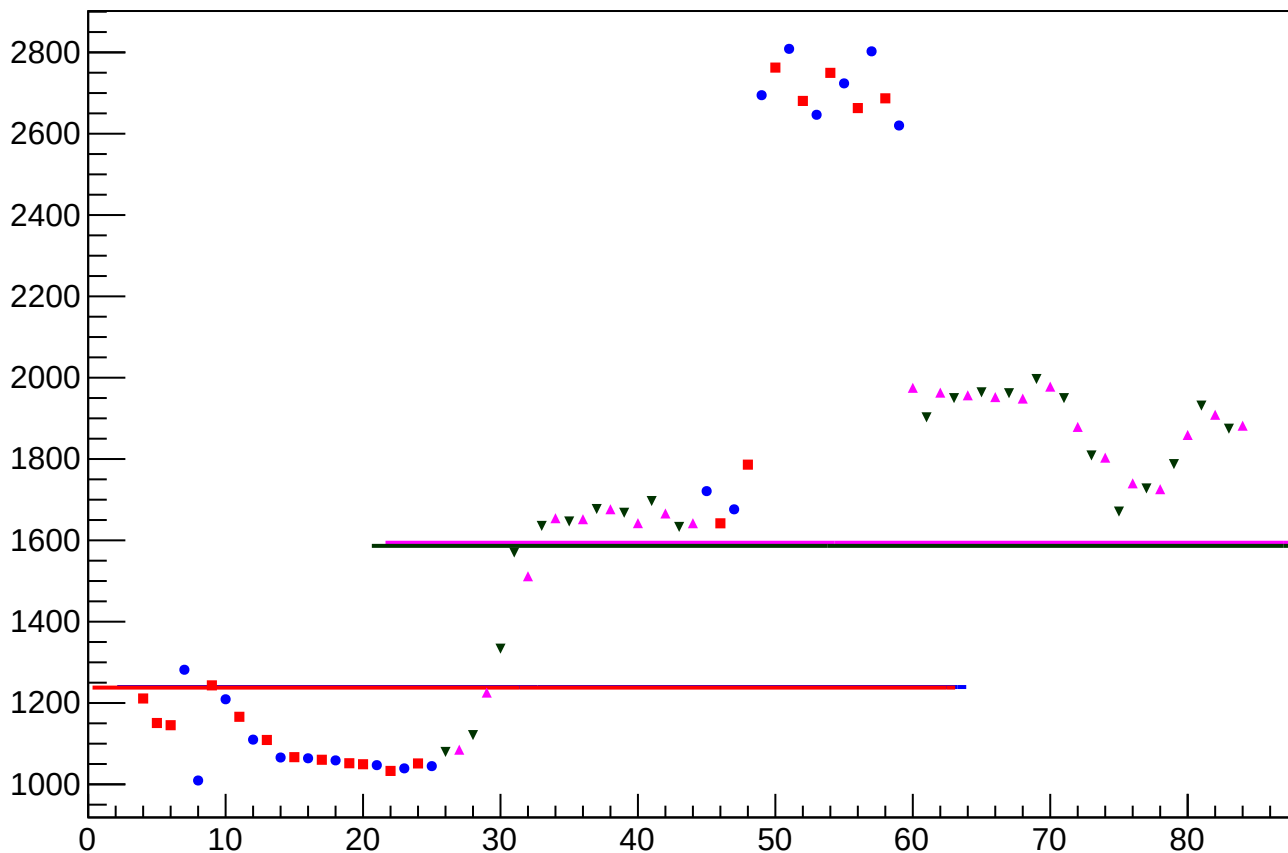
Right Out: -0.388 ± 0.412 χ^2/NDF : 44.0/18

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

1.578 ± 0.303 χ^2/NDF : 169.4/39

-0.648 ± 0.308 χ^2/NDF : 91.1/40

diff_bpm0l10Y_rms vs slug



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

Left Out: 1586.455 $\pm$ 0.338 χ^2 /NDF: 835345.2/21

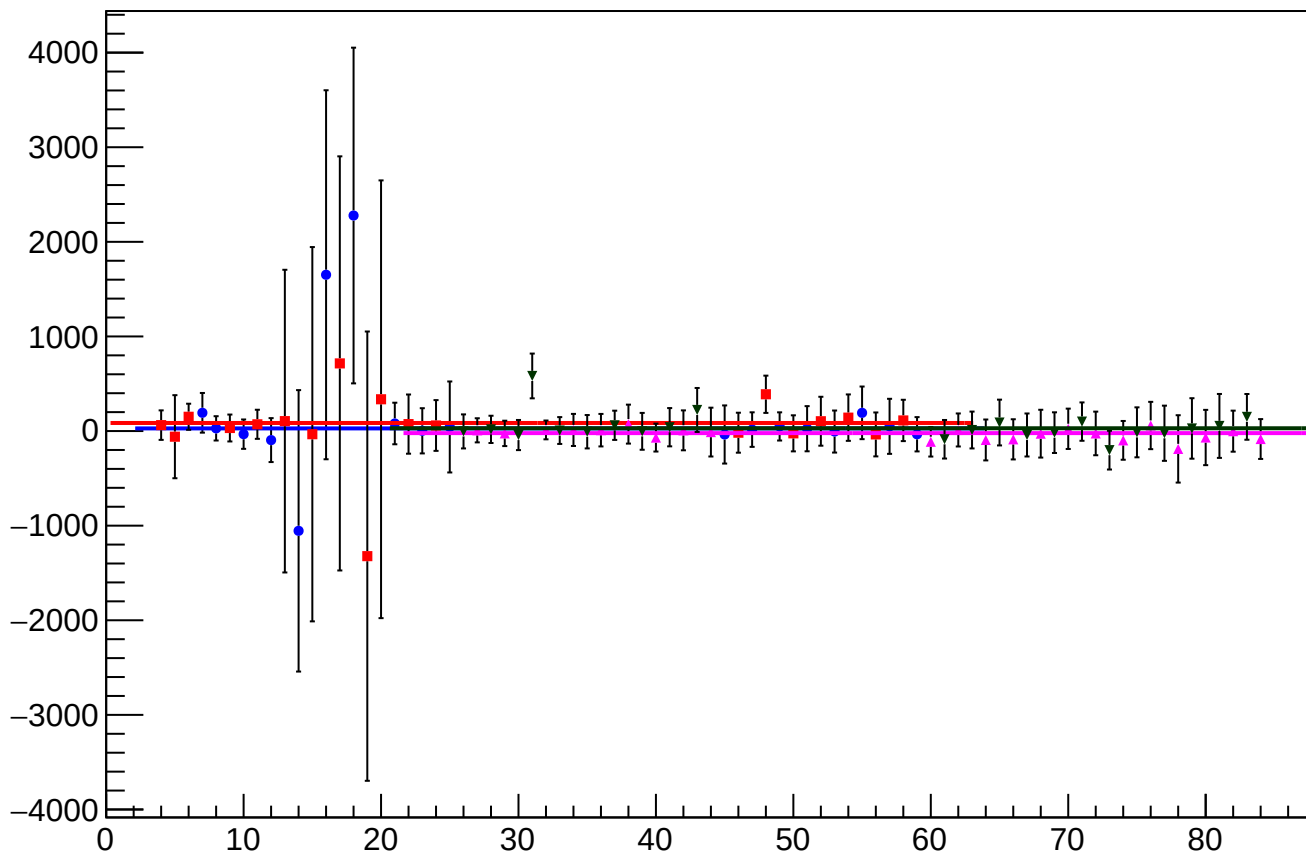
Right Out: 1237.907 $\pm$ 0.291 χ^2 /NDF: 1914347.8/18

Left In: 1594.138 $\pm$ 0.327 χ^2 /NDF: 886873.3/21

1379.194 $\pm$ 0.215 χ^2 /NDF: 4140523.6/39

1395.471 $\pm$ 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: 29.506+/-42.722 χ^2/NDF : 8.8/21

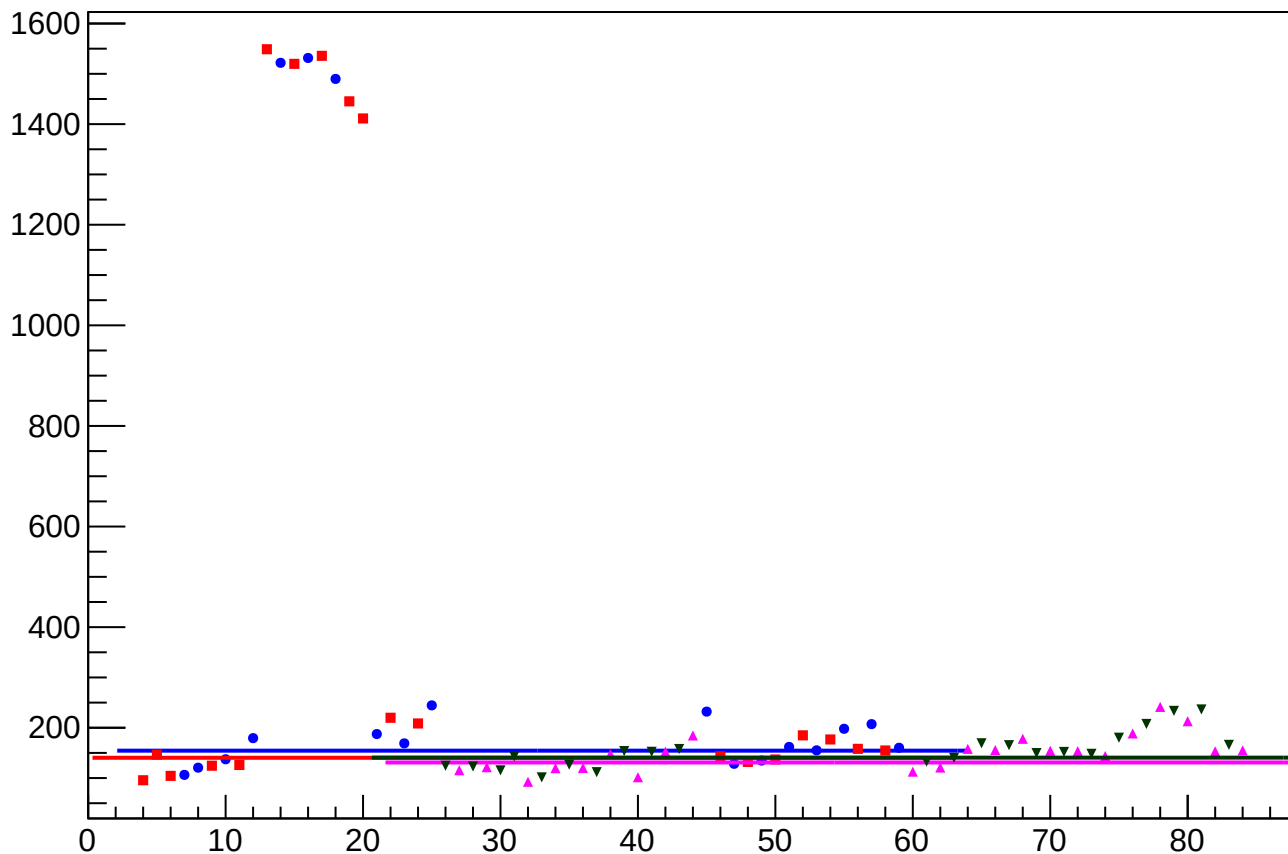
Right Out: 85.325+/-52.506 χ^2/NDF : 4.3/18

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

28.853+/-33.086 χ^2/NDF : 13.3/39

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: 140.587 $\pm$ 0.030 χ^2 /NDF: 928333.7/21

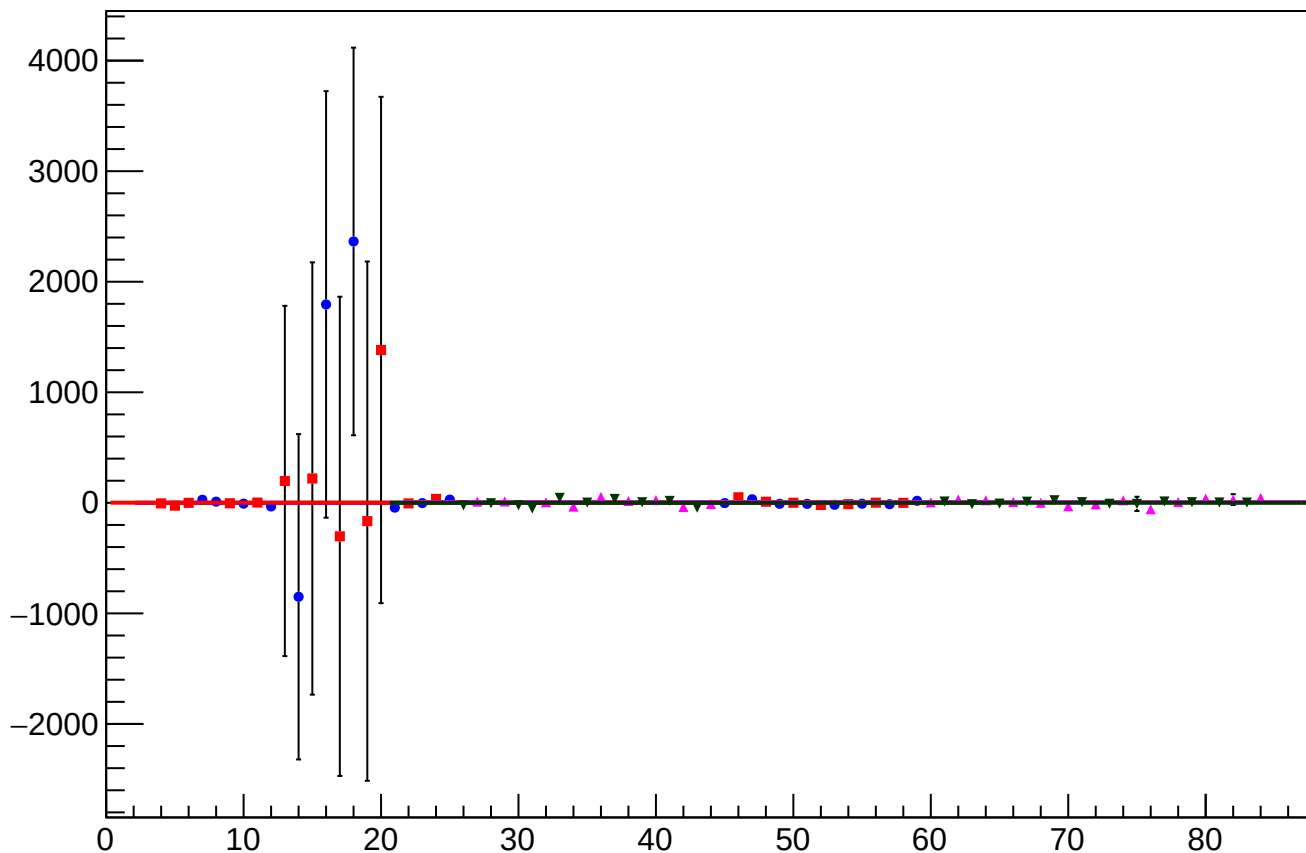
Right Out: 140.345 $\pm$ 0.037 χ^2 /NDF: 5274055.6/18

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

146.136 $\pm$ 0.023 χ^2 /NDF: 5569381.2/39

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: 0.340+/-5.113 χ^2/NDF : 16.7/21

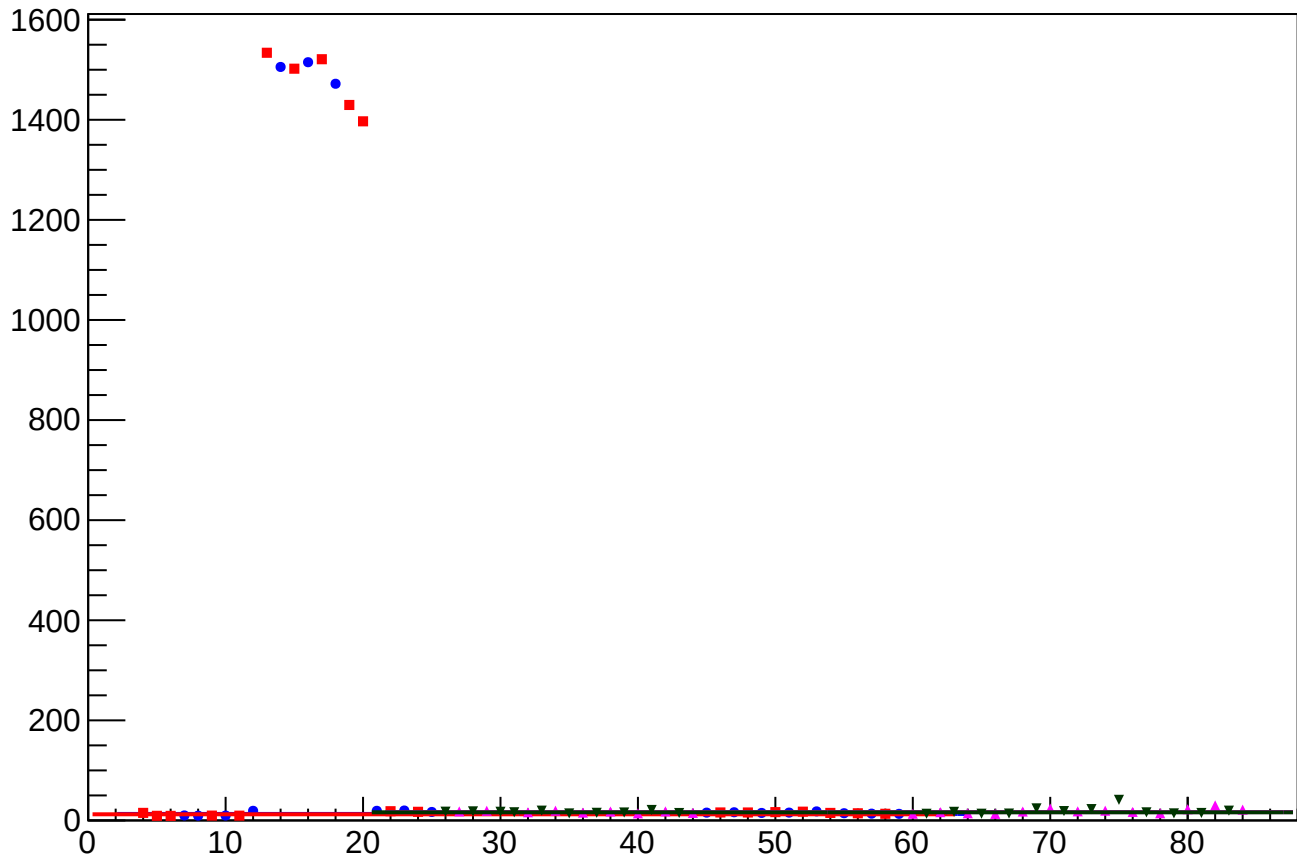
Right Out: 1.382+/-4.789 χ^2/NDF : 9.5/18

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

0.473+/-3.425 χ^2/NDF : 33.3/39

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: 16.301 $\pm$ 0.004 χ^2 /NDF: 781674.2/21

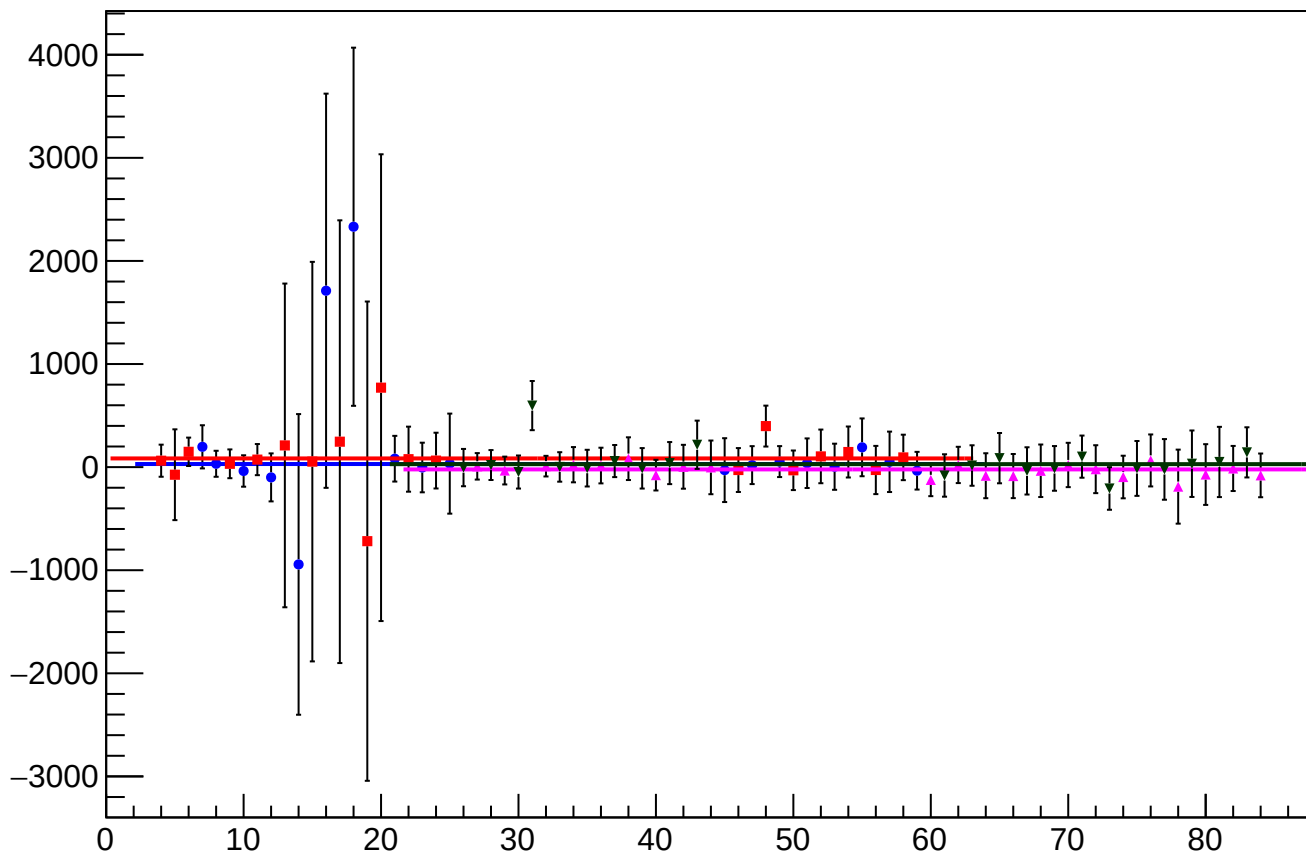
Right Out: 12.312 $\pm$ 0.003 χ^2 /NDF: 6373010.7/18

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

14.489 $\pm$ 0.002 χ^2 /NDF: 6932988.3/39

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: 28.849+/-43.060 χ^2/NDF : 8.9/21

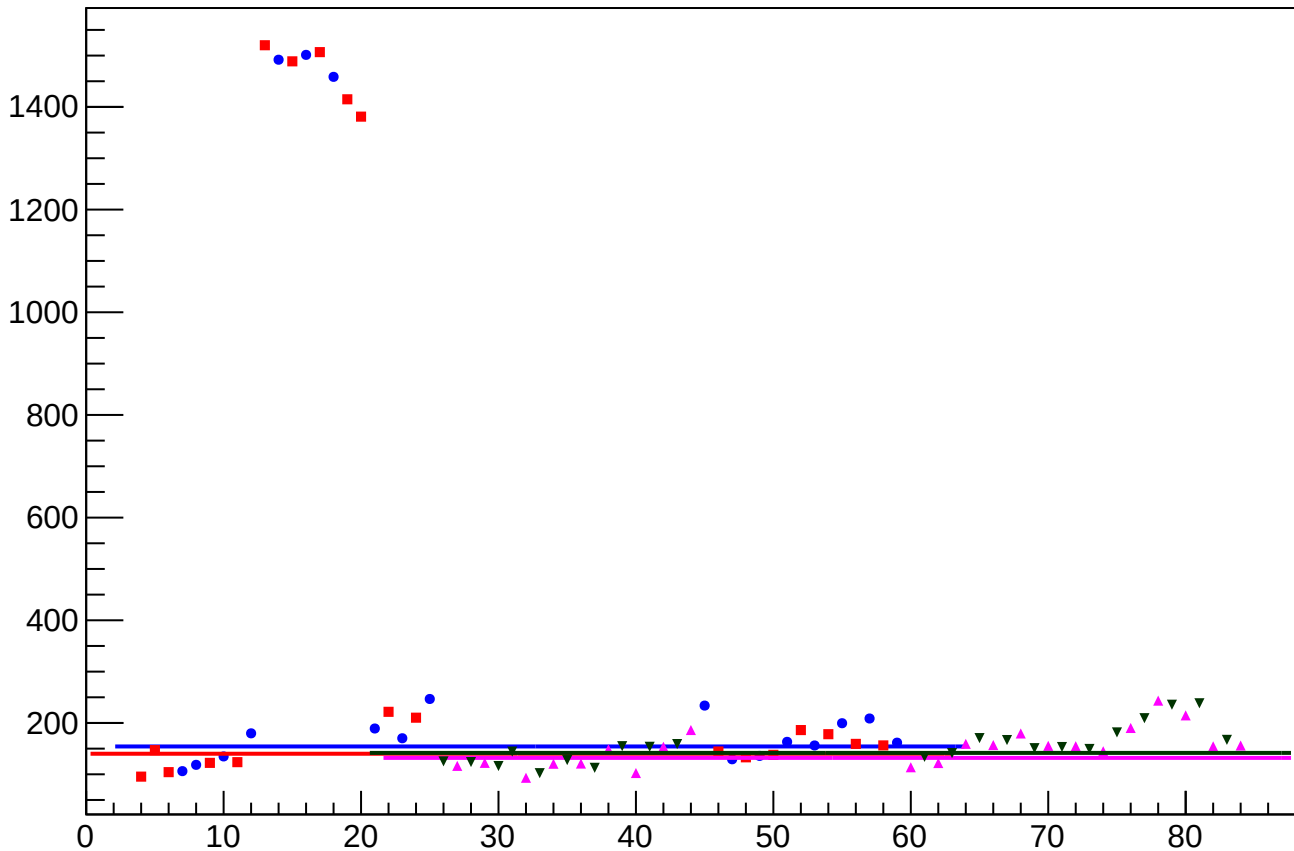
Right Out: 84.316+/-52.424 χ^2/NDF : 4.2/18

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

29.319+/-33.234 χ^2/NDF : 13.7/39

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+/-0.037 χ^2/NDF : 4584859.8/17

Left Out: 141.695+/-0.030 χ^2/NDF : 929265.8/21

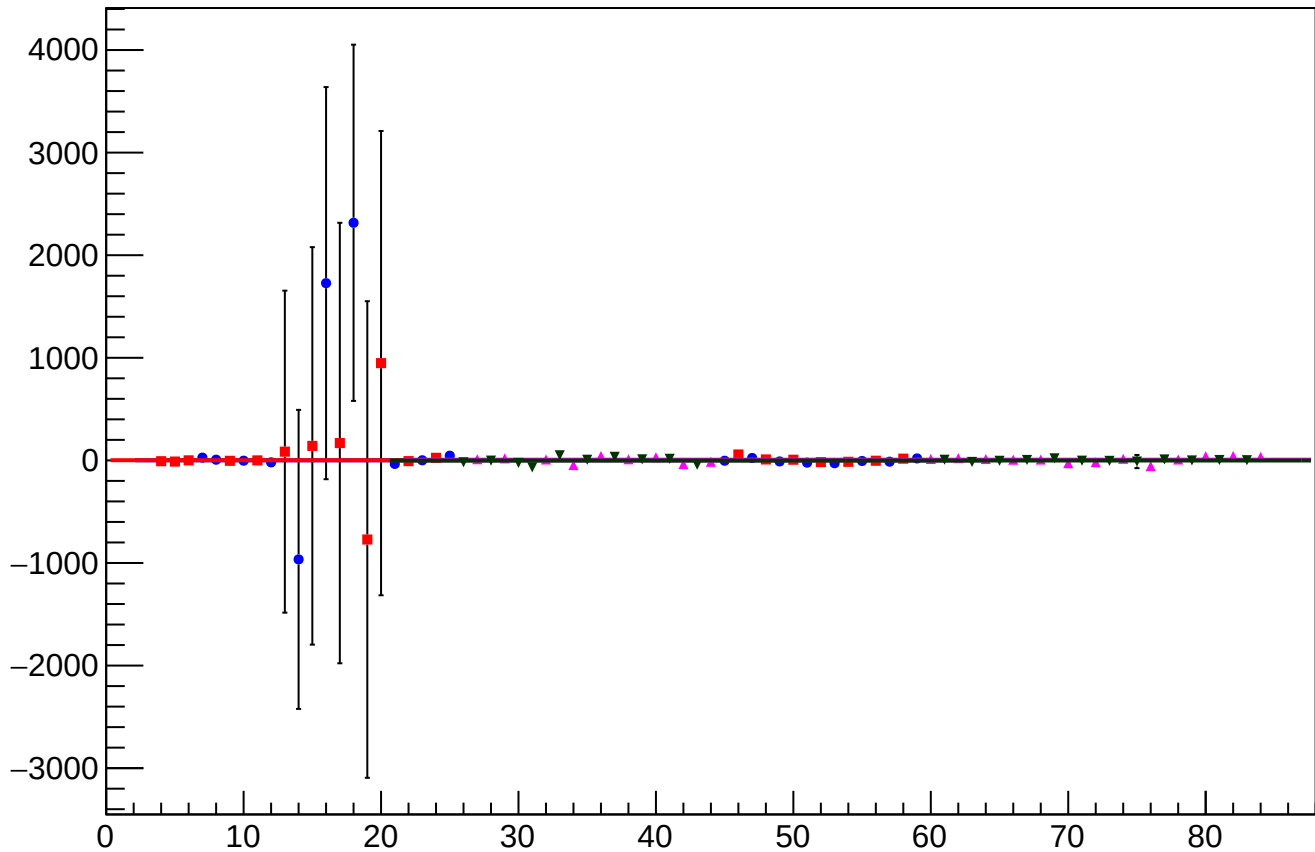
Right Out: 140.050+/-0.037 χ^2/NDF : 5289912.8/18

Left In: 131.995+/-0.028 χ^2/NDF : 1273725.6/21

146.765+/-0.024 χ^2/NDF : 5582698.8/39

134.855+/-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: -1.069 $\pm$ 5.007 χ^2 /NDF:19.4/21

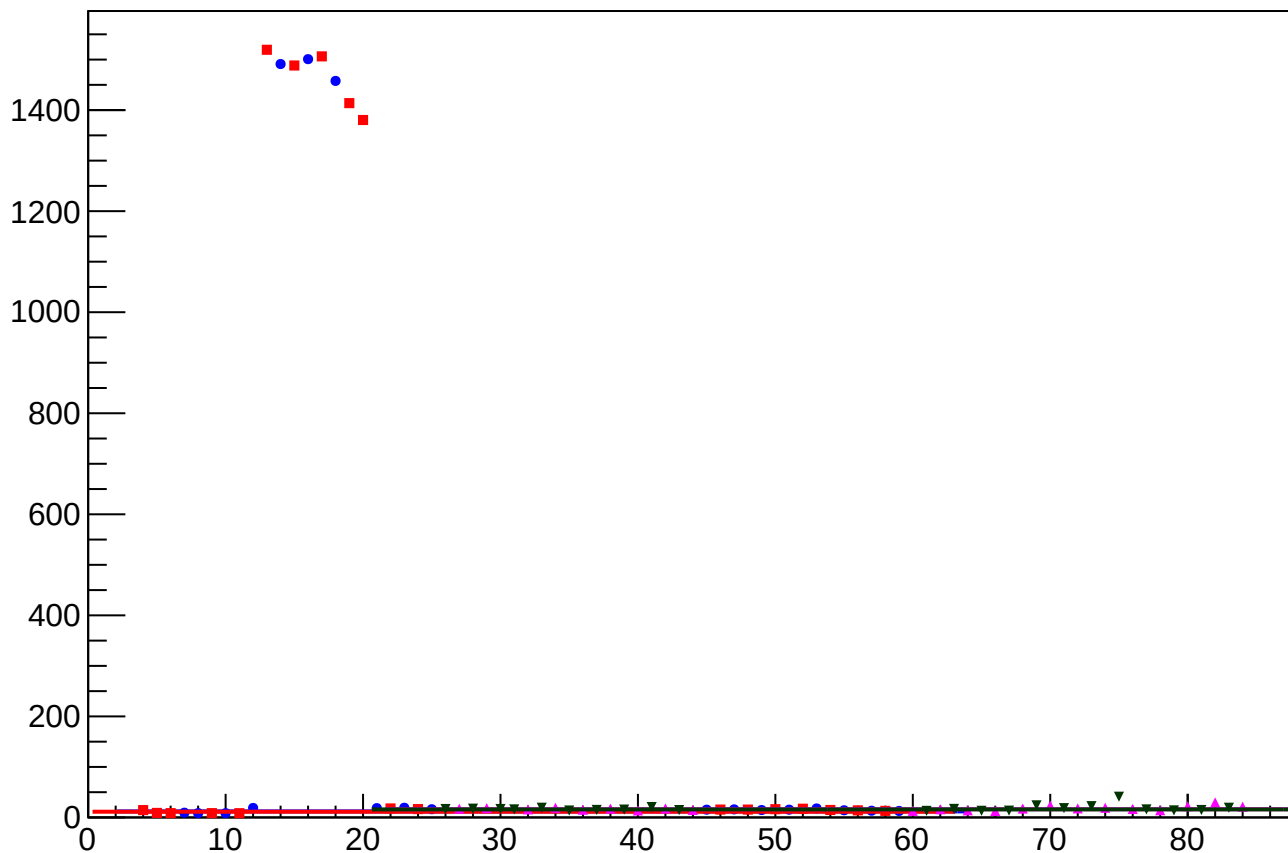
Right Out: 1.782 $\pm$ 4.470 χ^2 /NDF: 10.1/18

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

-0.082 $\pm$ 3.269 χ^2 /NDF: 35.5/39

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 $\pm$ 0.003 χ^2 /NDF: 6061463.6/17

Left Out: 15.933 $\pm$ 0.004 χ^2 /NDF: 787360.9/21

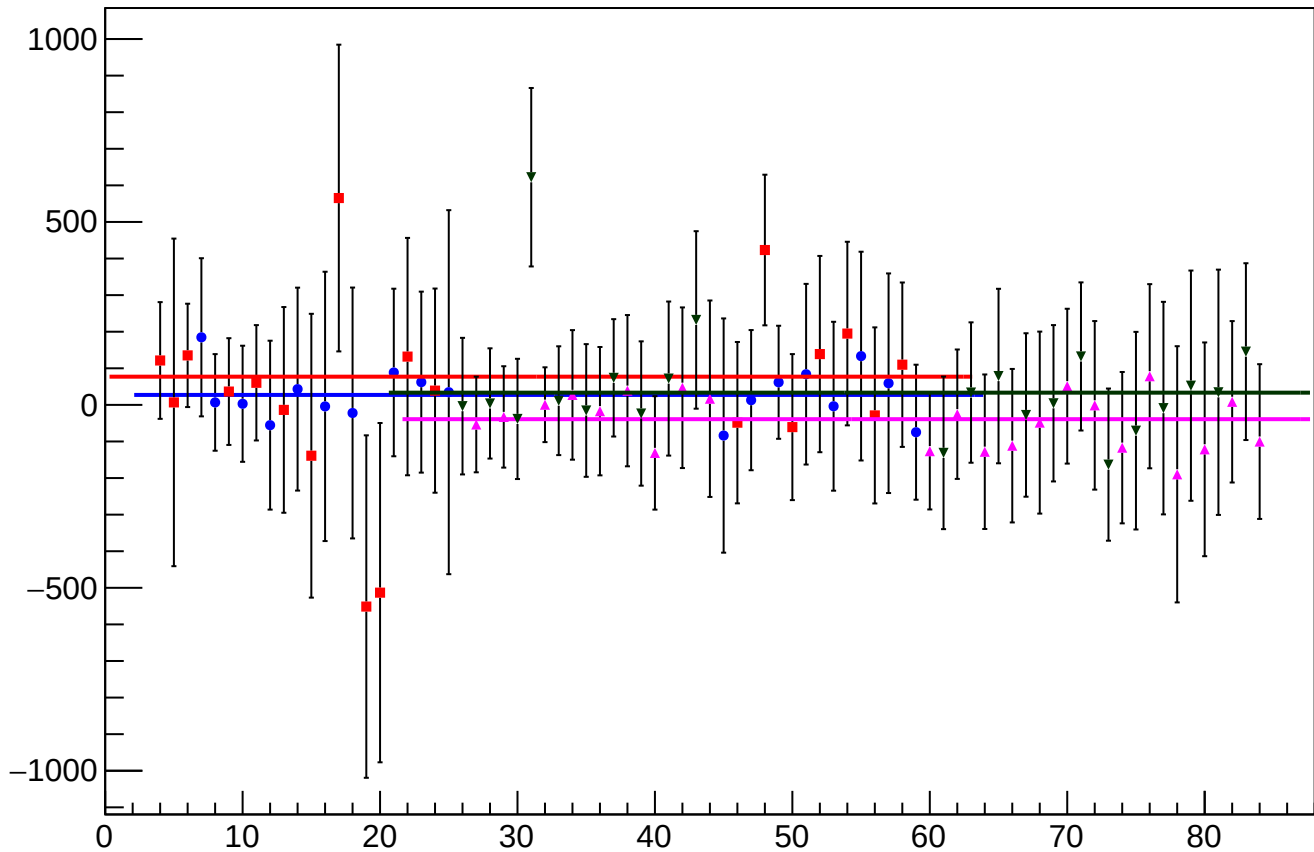
Right Out: 11.361 $\pm$ 0.003 χ^2 /NDF: 6645877.2/18

Left In: 16.341 $\pm$ 0.004 χ^2 /NDF: 665192.8/21

13.684 $\pm$ 0.002 χ^2 /NDF: 7552436.3/39

13.588 $\pm$ 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: 33.407 $\pm$ 43.632 χ^2 /NDF: 9.3/21

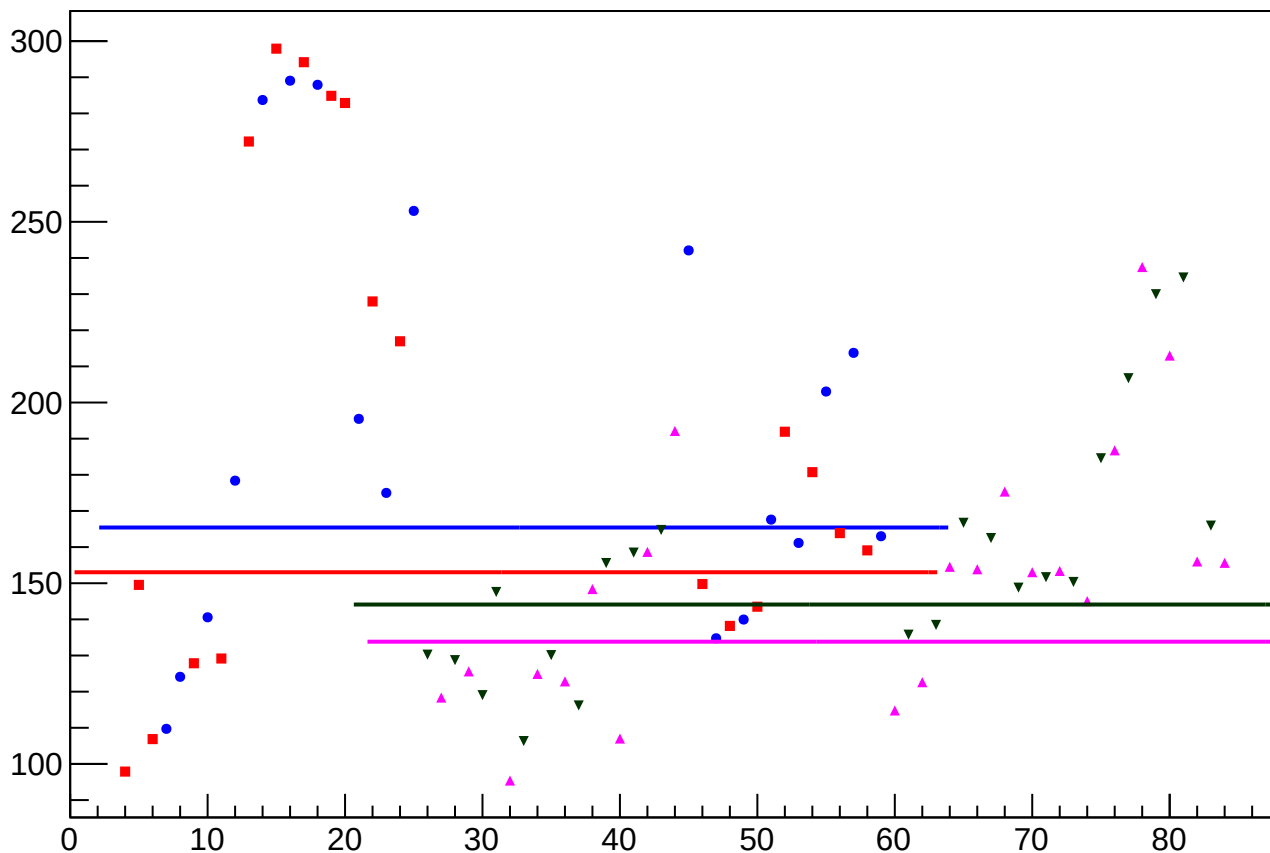
Right Out: 77.113 $\pm$ 51.687 χ^2 /NDF: 9.7/18

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

30.842 $\pm$ 33.376 χ^2 /NDF: 10.9/39

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: 144.109 ± 0.031 χ^2/NDF : 802034.5/21

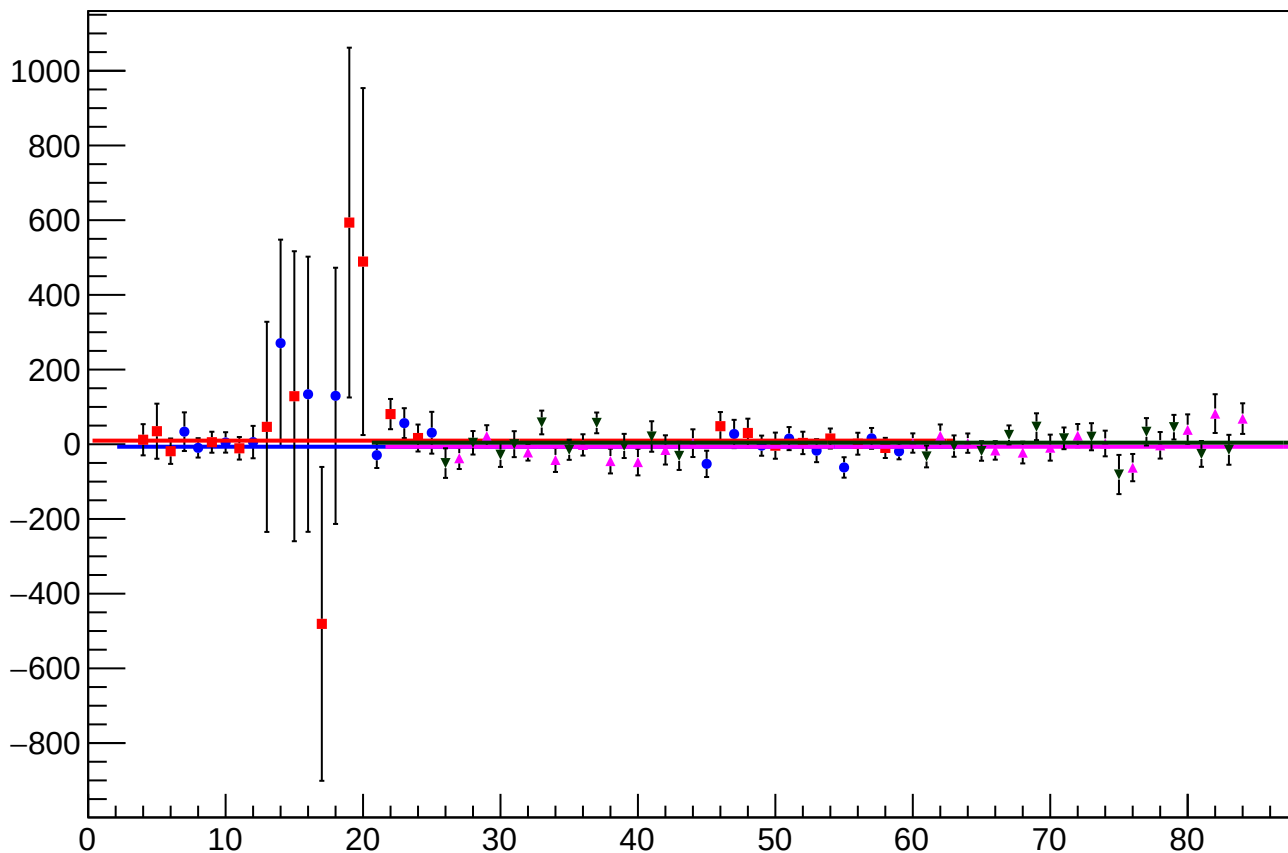
Right Out: 153.039 ± 0.037 χ^2/NDF : 2037868.3/18

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

152.950 ± 0.024 χ^2/NDF : 2636365.7/39

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

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: 4.292+/-6.905 χ^2/NDF : 21.8/21

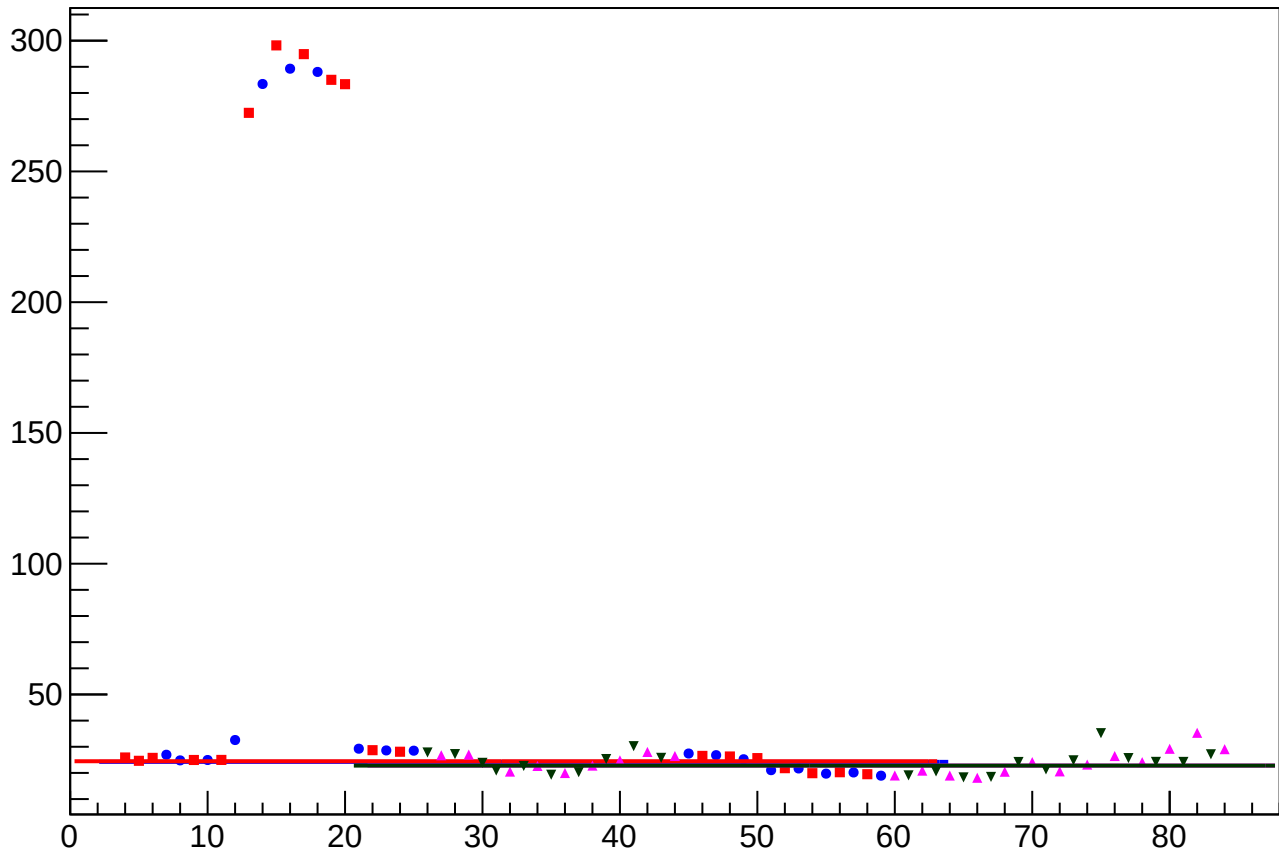
Right Out: 9.755+/-8.898 χ^2/NDF : 10.7/18

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

-0.302+/-5.245 χ^2/NDF : 36.6/39

-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+/-0.006 χ^2/NDF : 4413051.2/17

Left Out: 22.800+/-0.005 χ^2/NDF : 551476.9/21

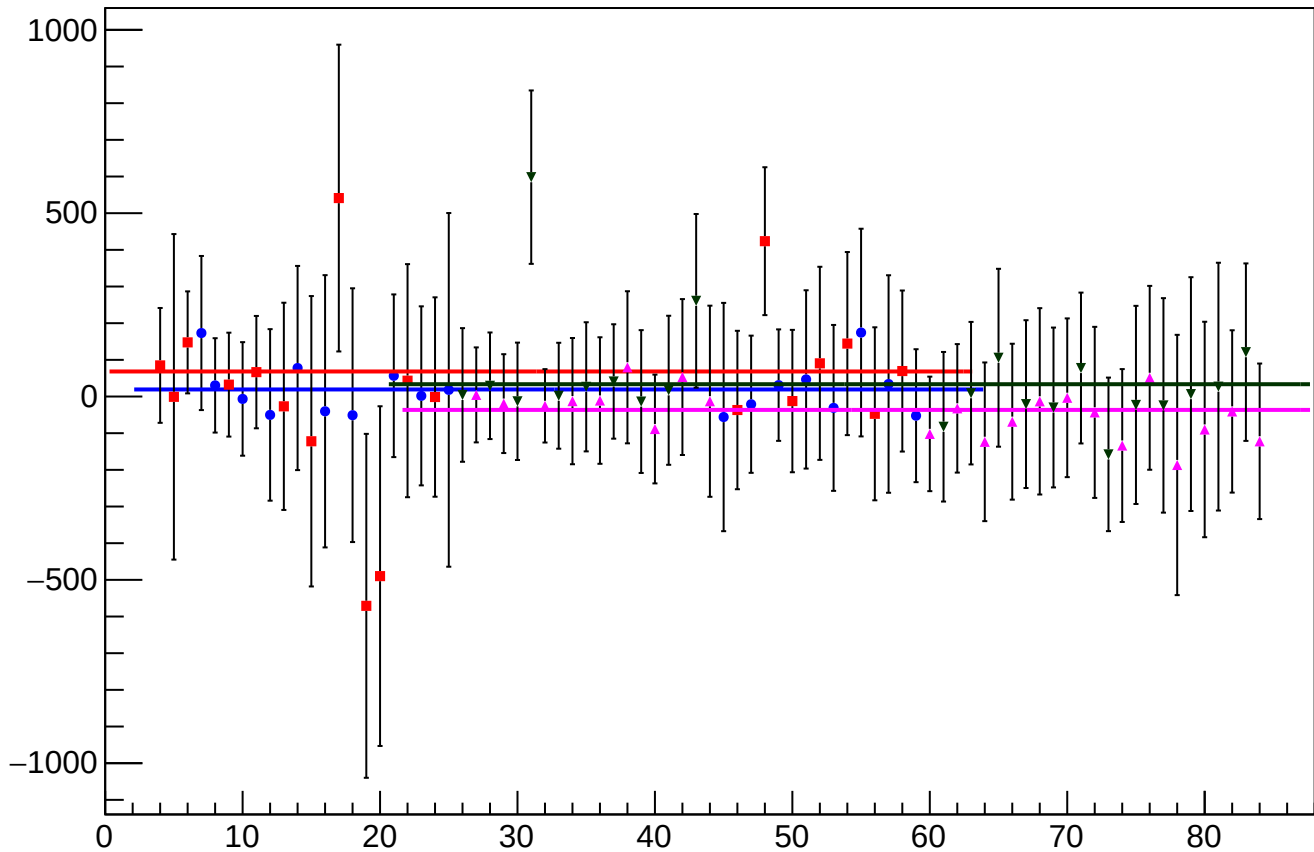
23.403+/-0.004 χ^2/NDF : 5000572.8/39

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

23.406+/-0.004 χ^2/NDF : 5512546.1/40

Left In: 22.808+/-0.005 χ^2/NDF : 608177.6/21

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: 33.565+/-43.066 χ^2/NDF : 8.5/21

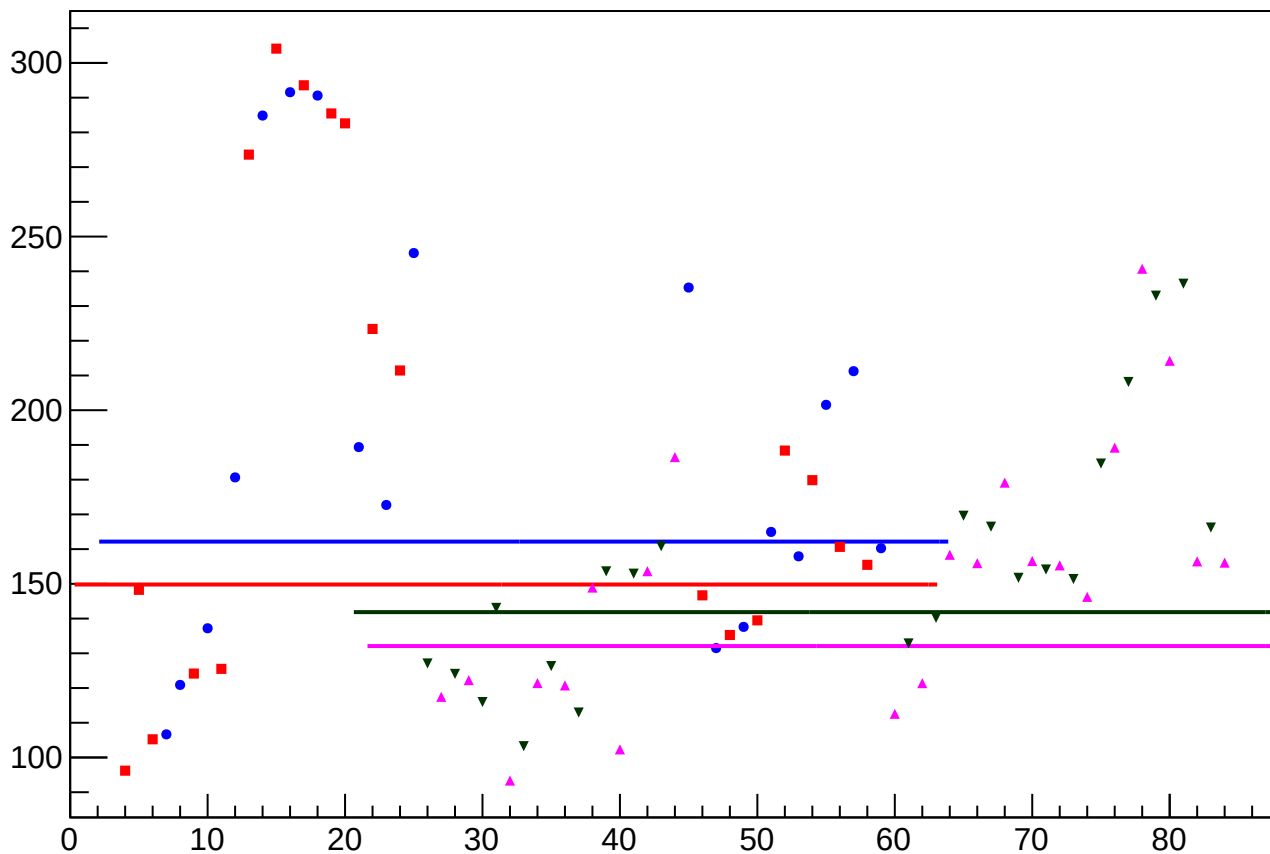
Right Out: 68.308+/-50.710 χ^2/NDF : 9.3/18

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

27.600+/-32.880 χ^2/NDF : 10.0/39

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 χ^2/NDF : 1720612.8/17

Left Out: 141.858+/-0.030 χ^2/NDF : 910564.9/21

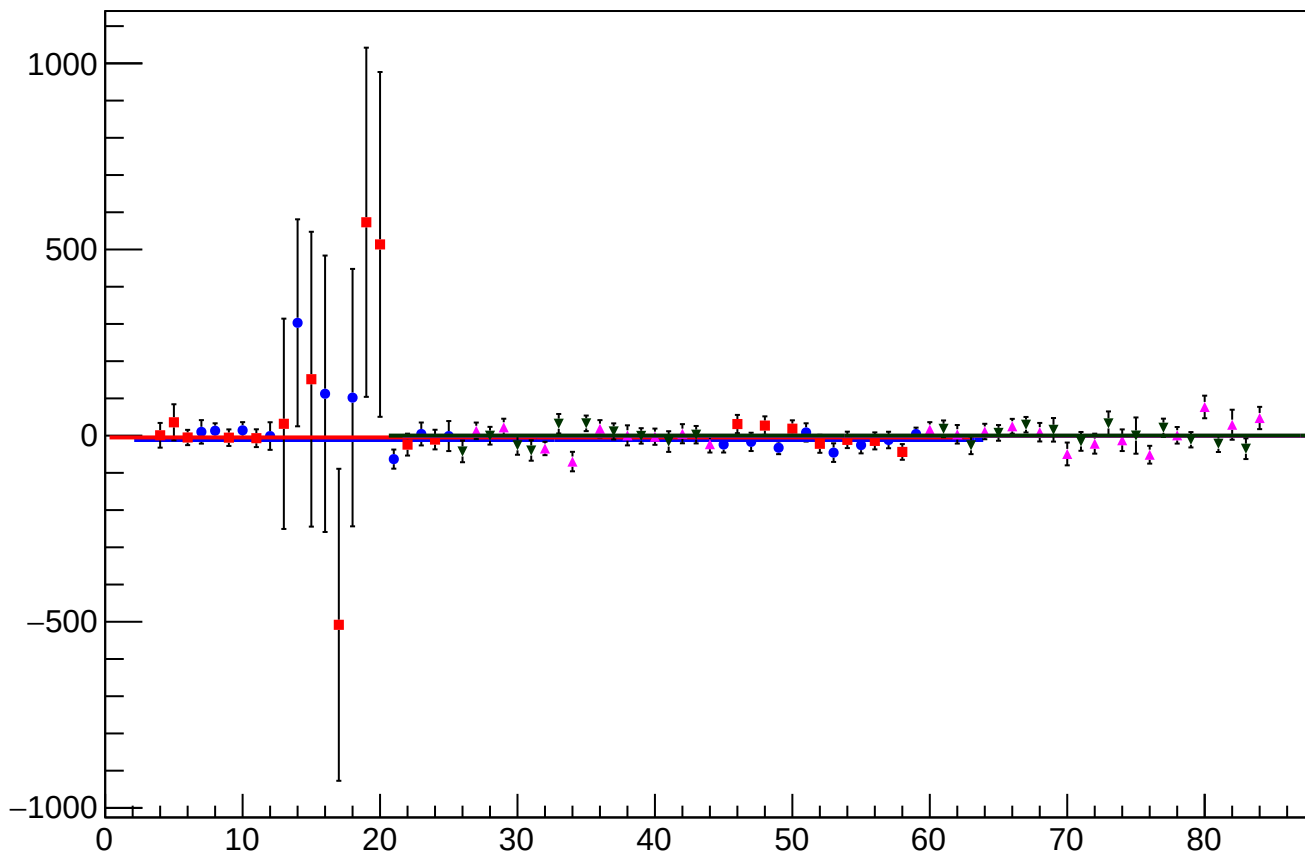
150.328+/-0.023 χ^2/NDF : 2816660.7/39

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

138.652+/-0.022 χ^2/NDF : 3535751.0/40

Left In: 132.089+/-0.028 χ^2/NDF : 1267511.4/21

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs slug



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

Left Out: 0.084 $\pm$ 5.218 χ^2 /NDF: 19.1/21

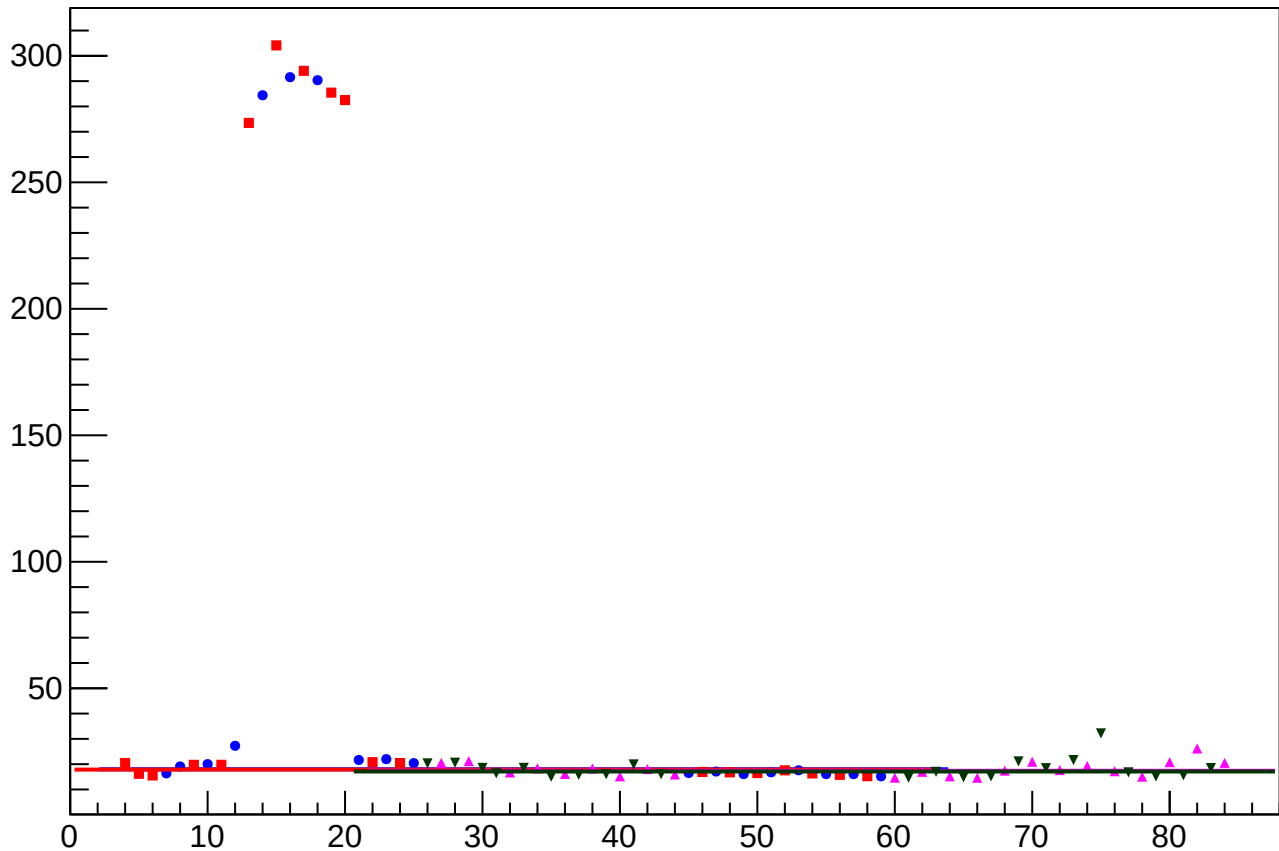
Right Out: -4.846 $\pm$ 6.550 χ^2 /NDF: 14.7/18

Left In: -0.760 $\pm$ 5.122 χ^2 /NDF: 34.0/21

-4.962 $\pm$ 3.947 χ^2 /NDF: 36.3/39

-2.311 $\pm$ 4.035 χ^2 /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: 17.112+/-0.004 χ^2/NDF : 505460.7/21

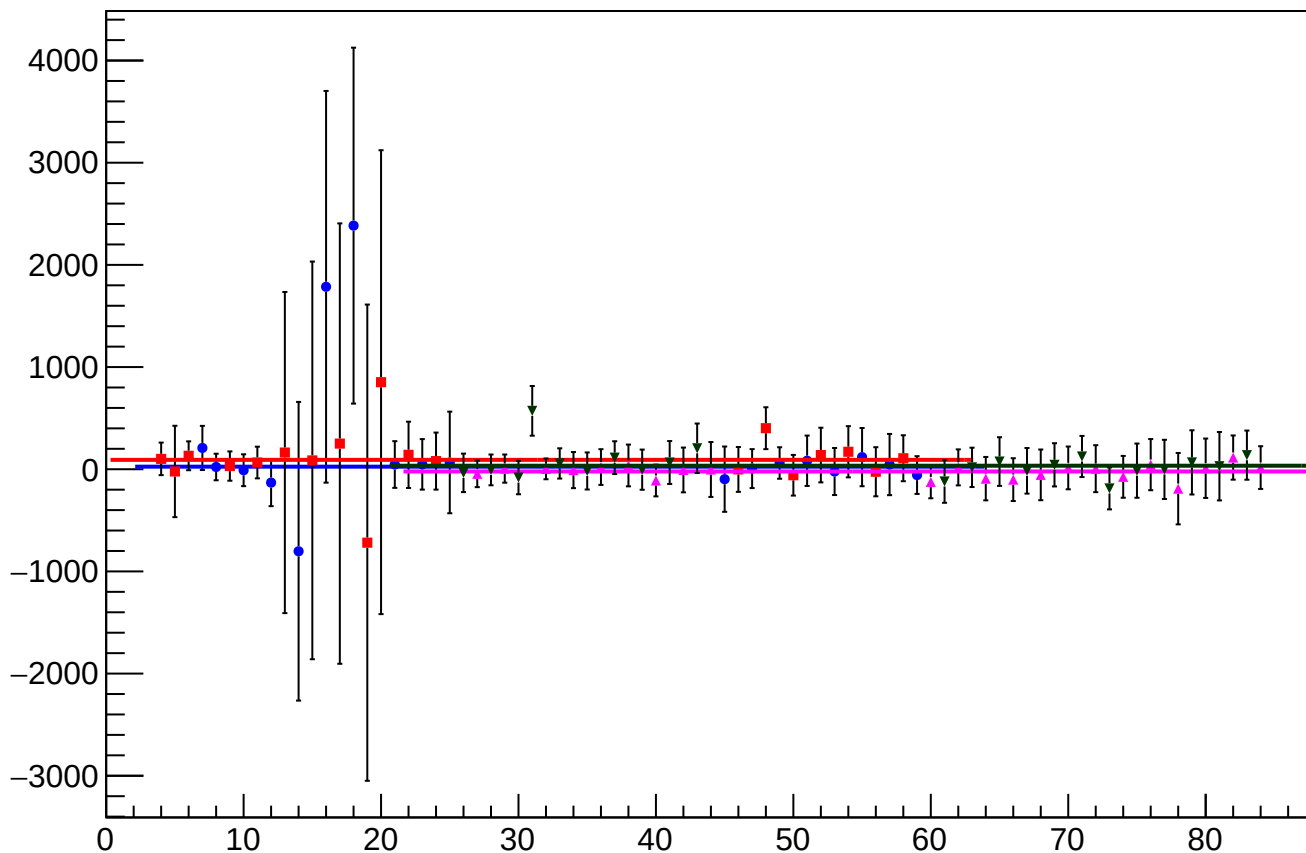
17.487+/-0.003 χ^2/NDF : 5054763.5/39

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: 34.438+/-43.519 χ^2/NDF : 8.7/21

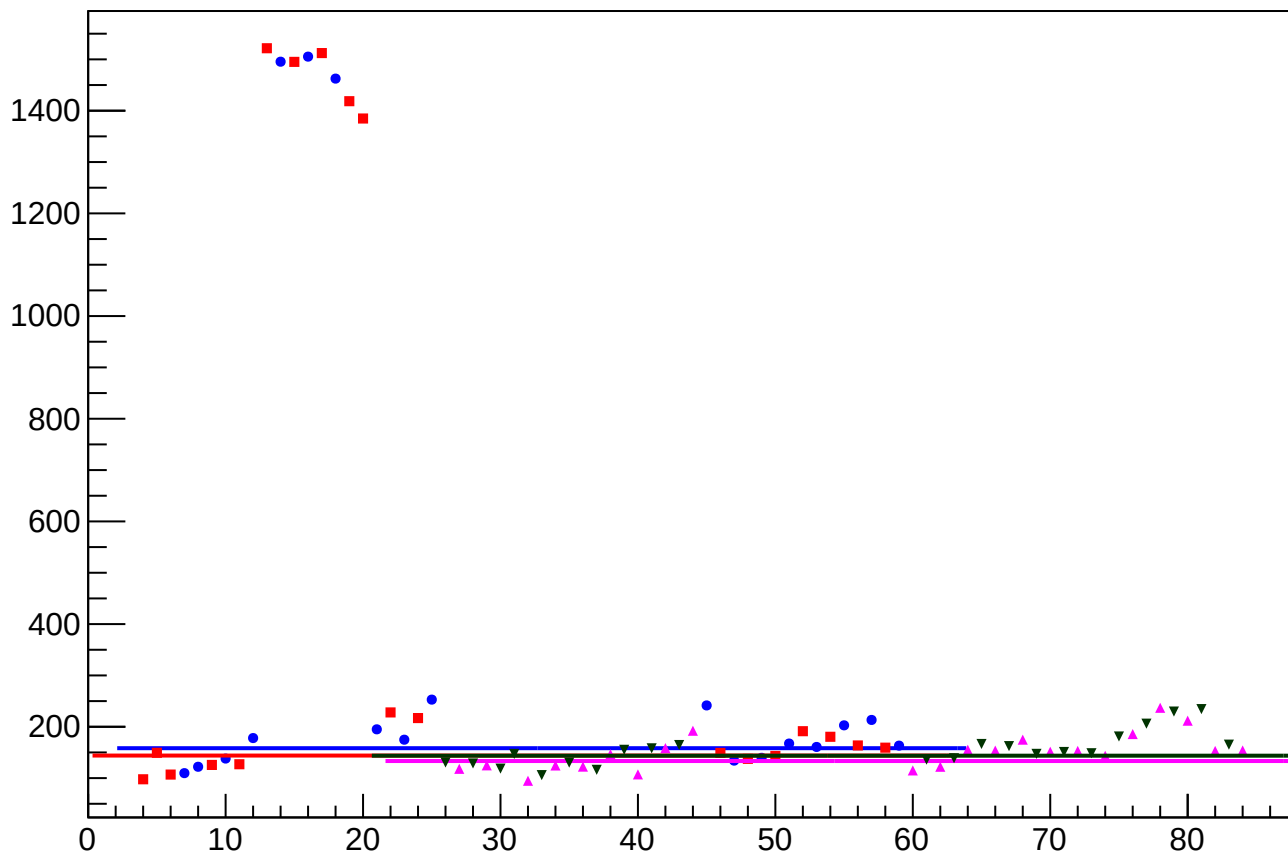
Right Out: 91.771+/-53.823 χ^2/NDF : 4.0/18

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

30.729+/-33.770 χ^2/NDF : 13.6/39

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: 143.691+/-0.031 χ^2/NDF : 795236.5/21

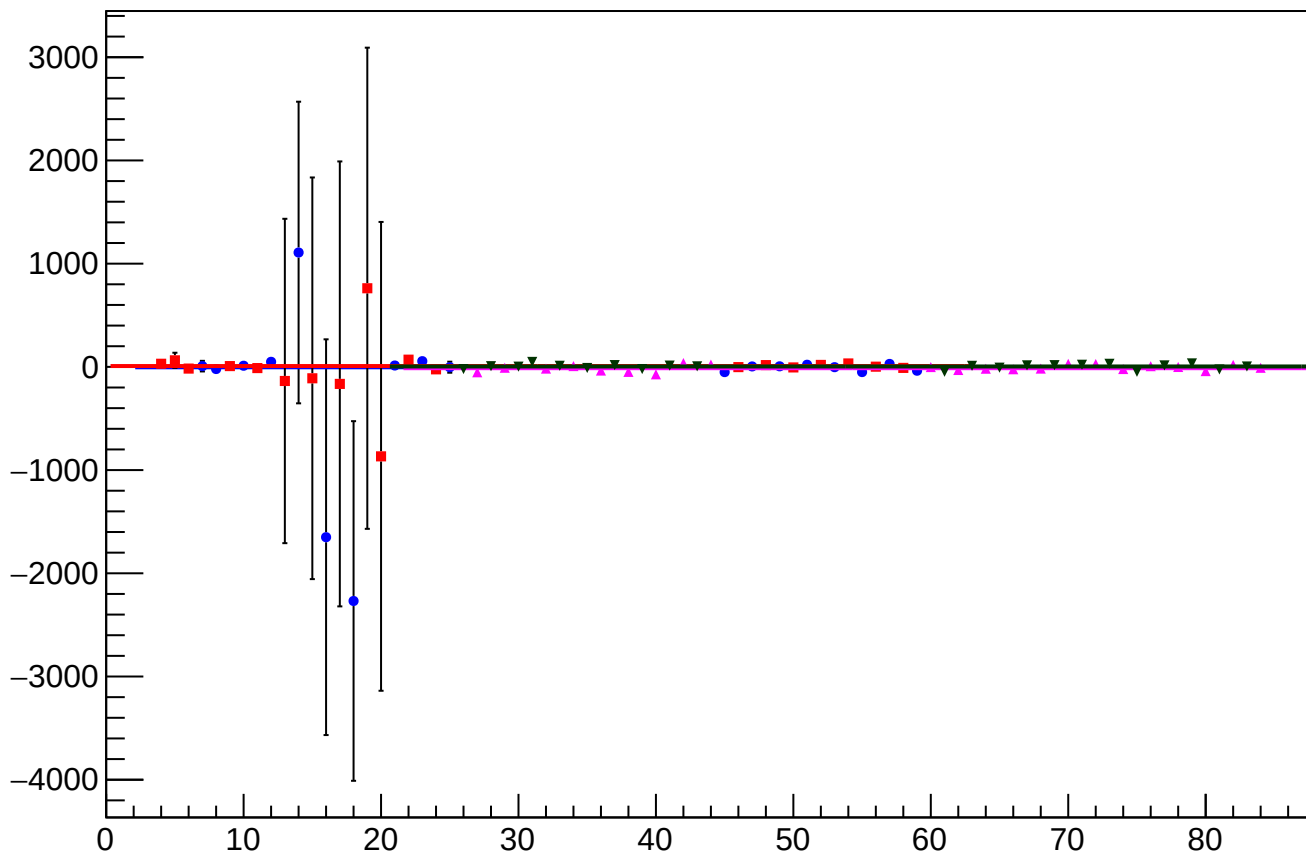
149.494+/-0.024 χ^2/NDF : 5423601.4/39

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

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

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

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: 3.958+/-6.448 χ^2/NDF :12.2/21

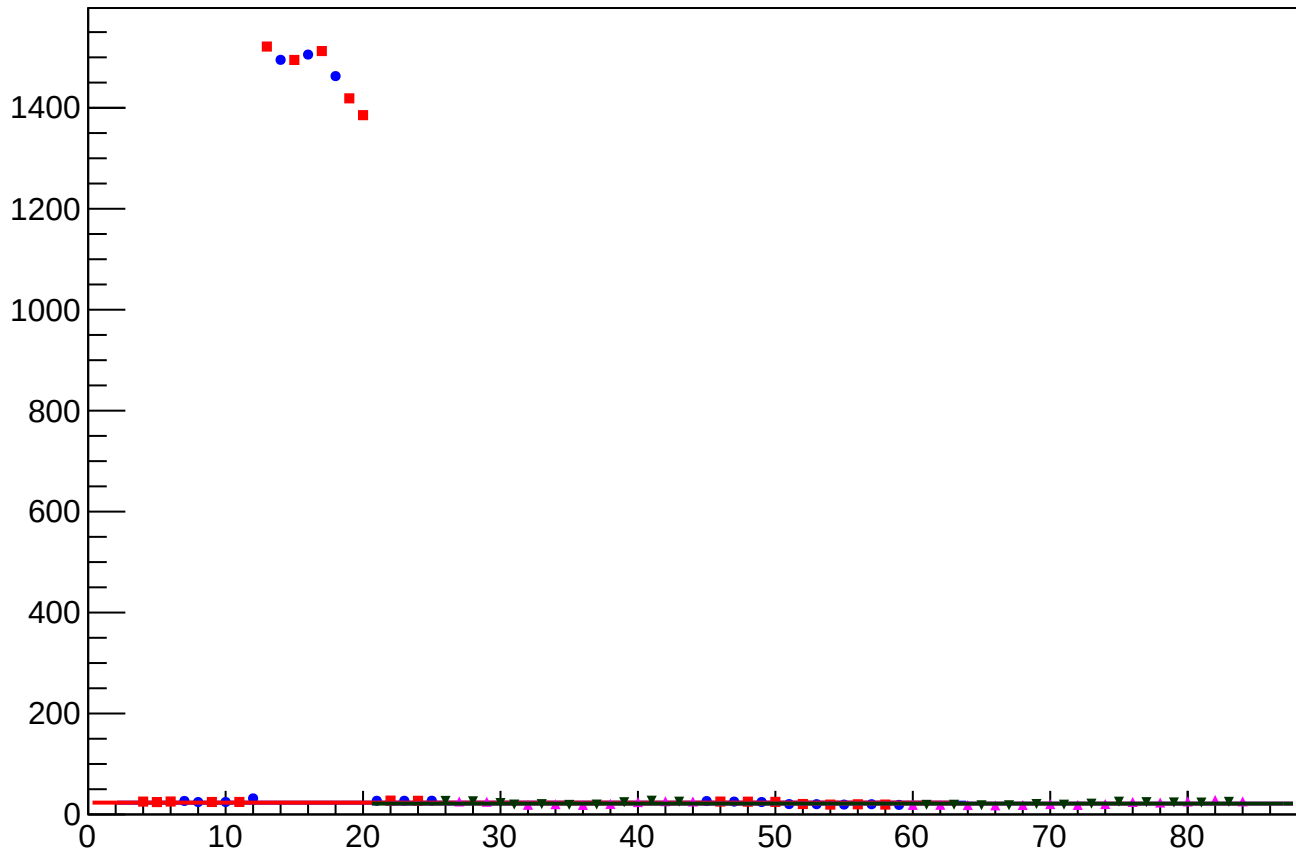
Right Out: 7.973+/-8.718 χ^2/NDF : 7.3/18

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

0.736+/-4.989 χ^2/NDF : 30.5/39

-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

22.257+/-0.004 χ^2/NDF : 5426112.9/39

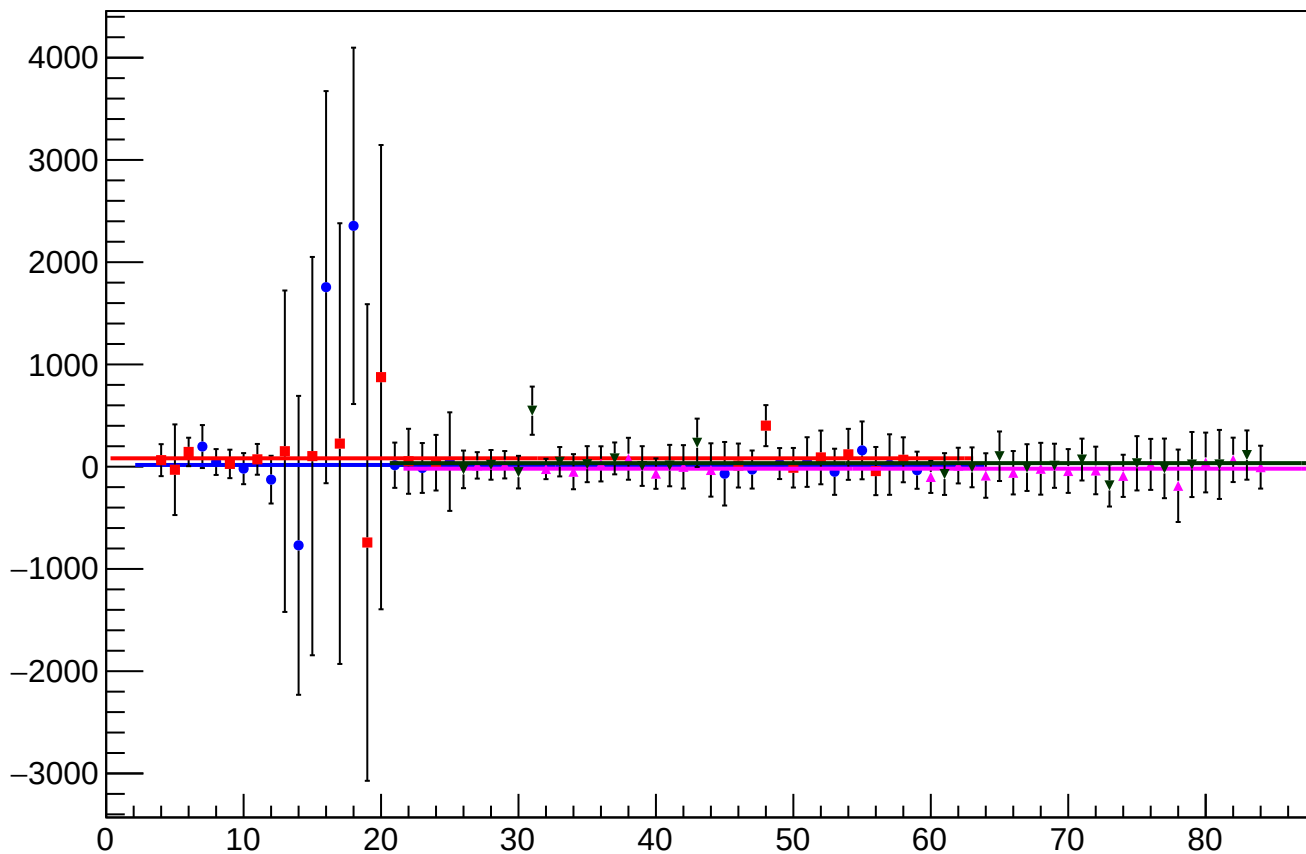
Left Out: 21.534+/-0.005 χ^2/NDF : 398190.2/21

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: 34.775+/-42.954 χ^2/NDF : 7.7/21

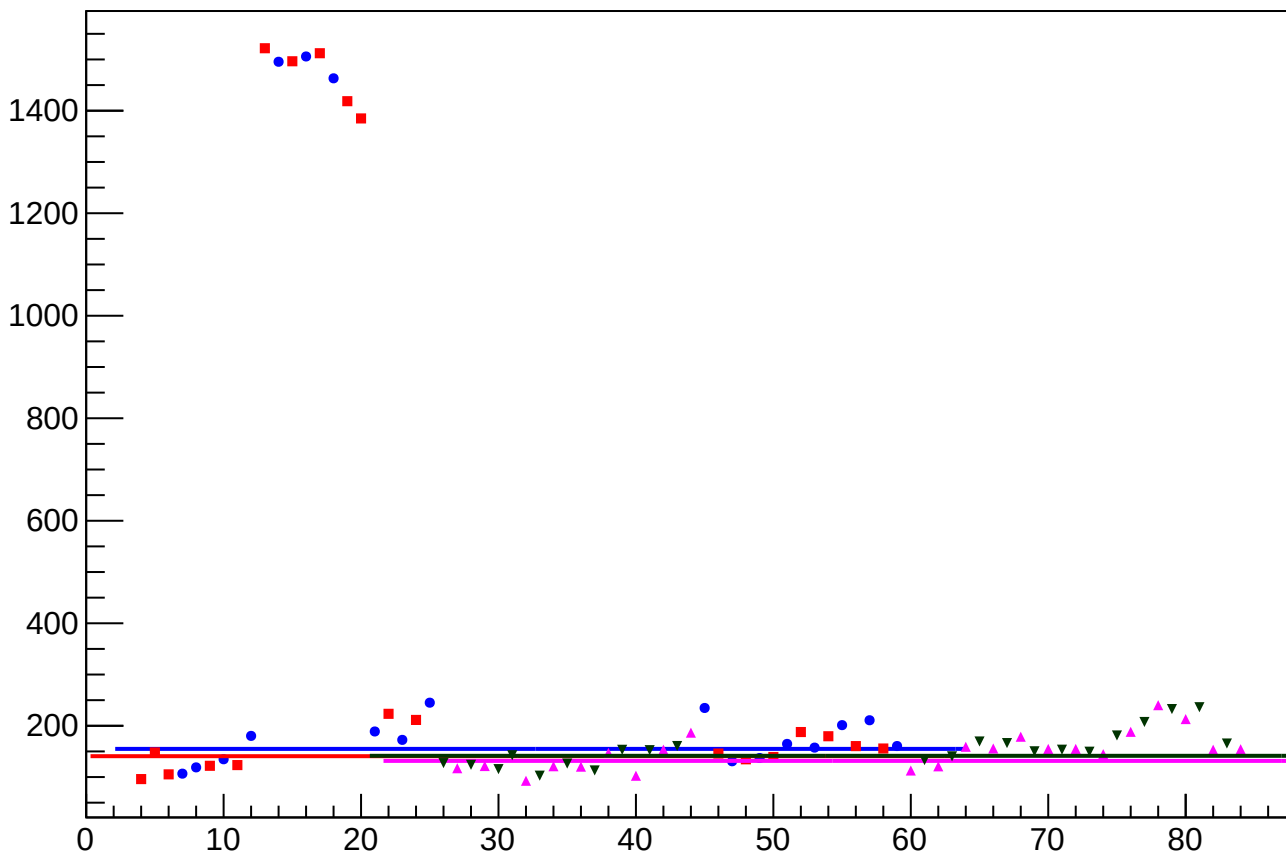
Right Out: 81.906+/-52.666 χ^2/NDF : 3.9/18

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

27.620+/-33.242 χ^2/NDF : 12.5/39

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+/-0.037 χ^2/NDF : 4580594.9/17

Left Out: 141.447+/-0.030 χ^2/NDF :903175.3/21

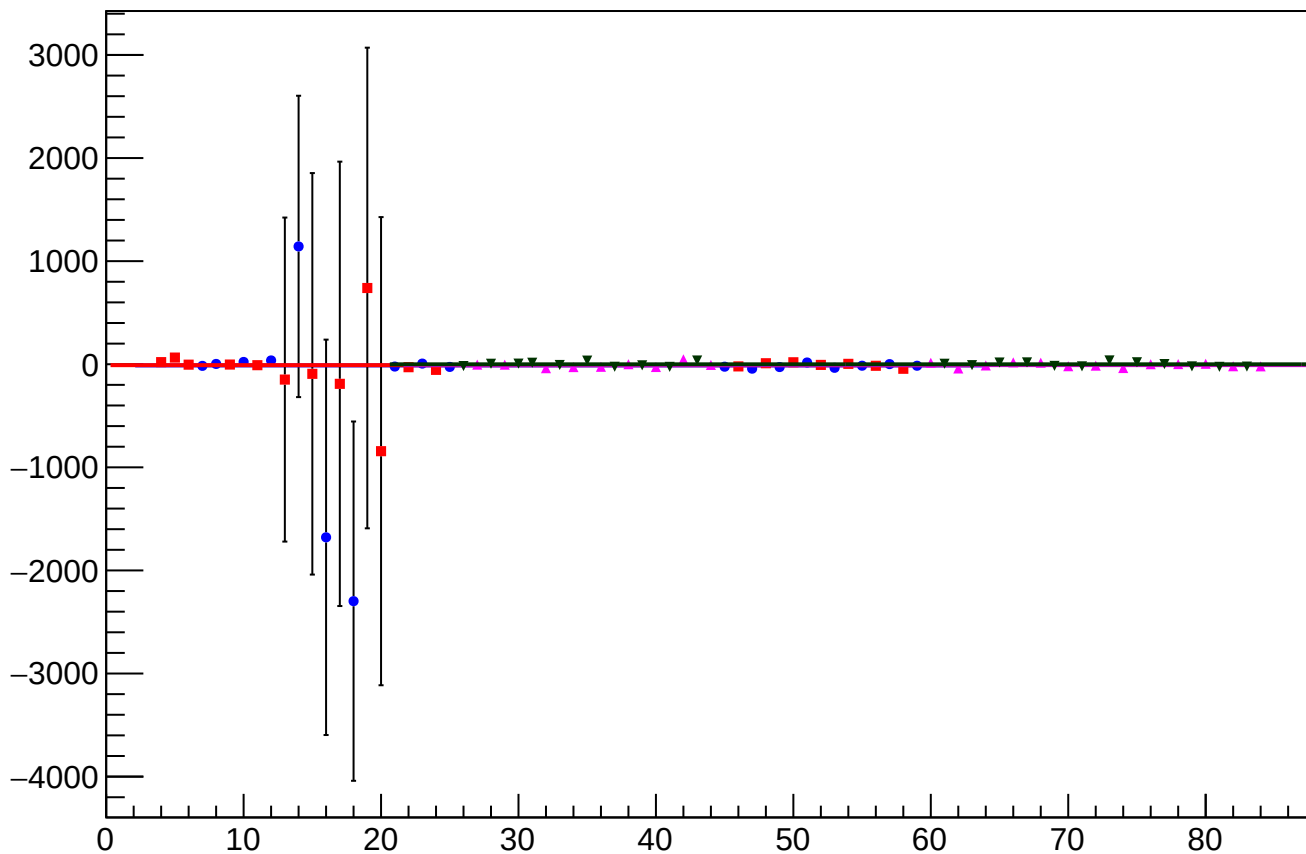
146.862+/-0.024 χ^2/NDF : 5563012.6/39

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

134.752+/-0.022 χ^2/NDF : 6592217.2/40

Left In: 131.529+/-0.027 χ^2/NDF :1260792.8/21

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: -0.869+/-4.795 χ^2/NDF : 18.2/21

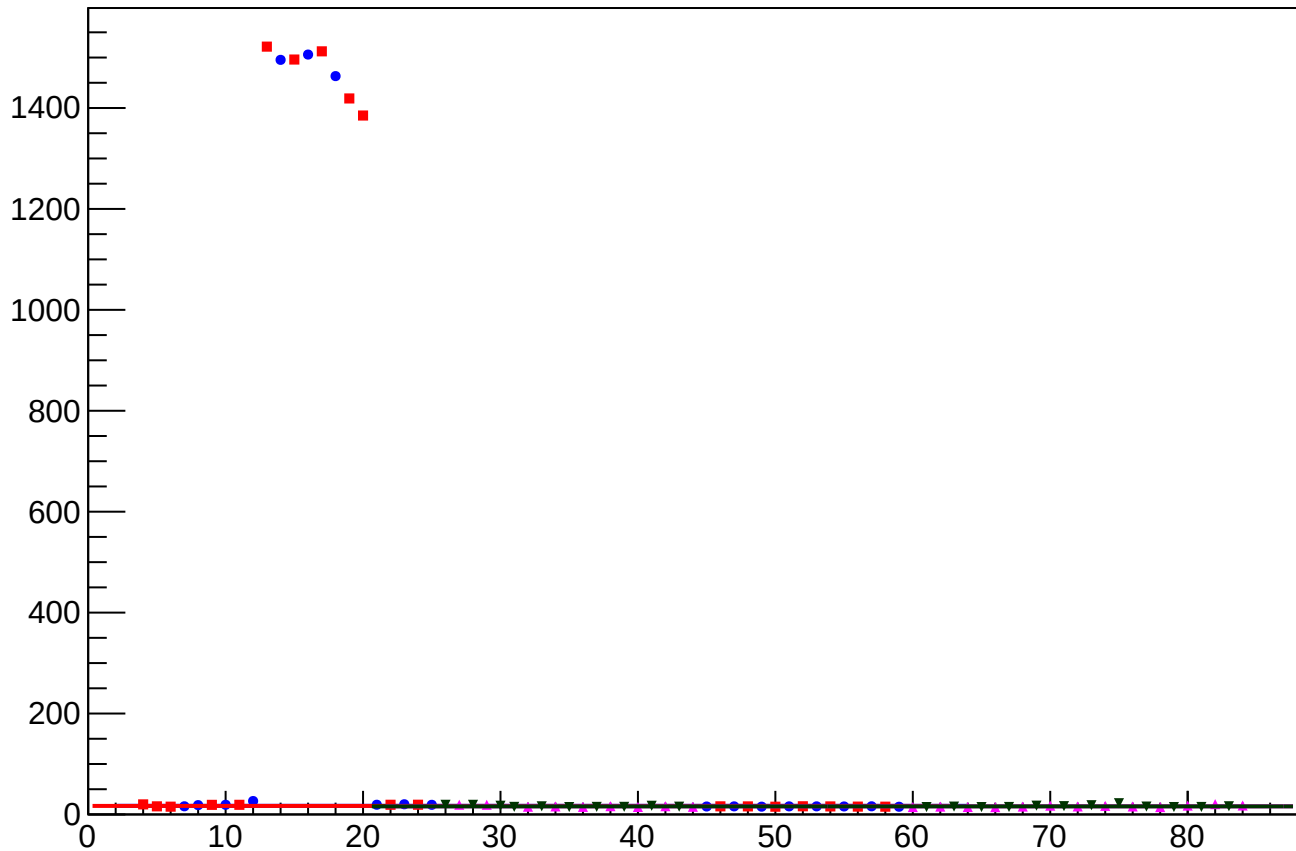
Right Out: -8.864+/-6.293 χ^2/NDF : 13.3/18

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

-5.140+/-3.689 χ^2/NDF : 35.1/39

-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: 16.025+/-0.003 χ^2 /NDF: 234444.3/21

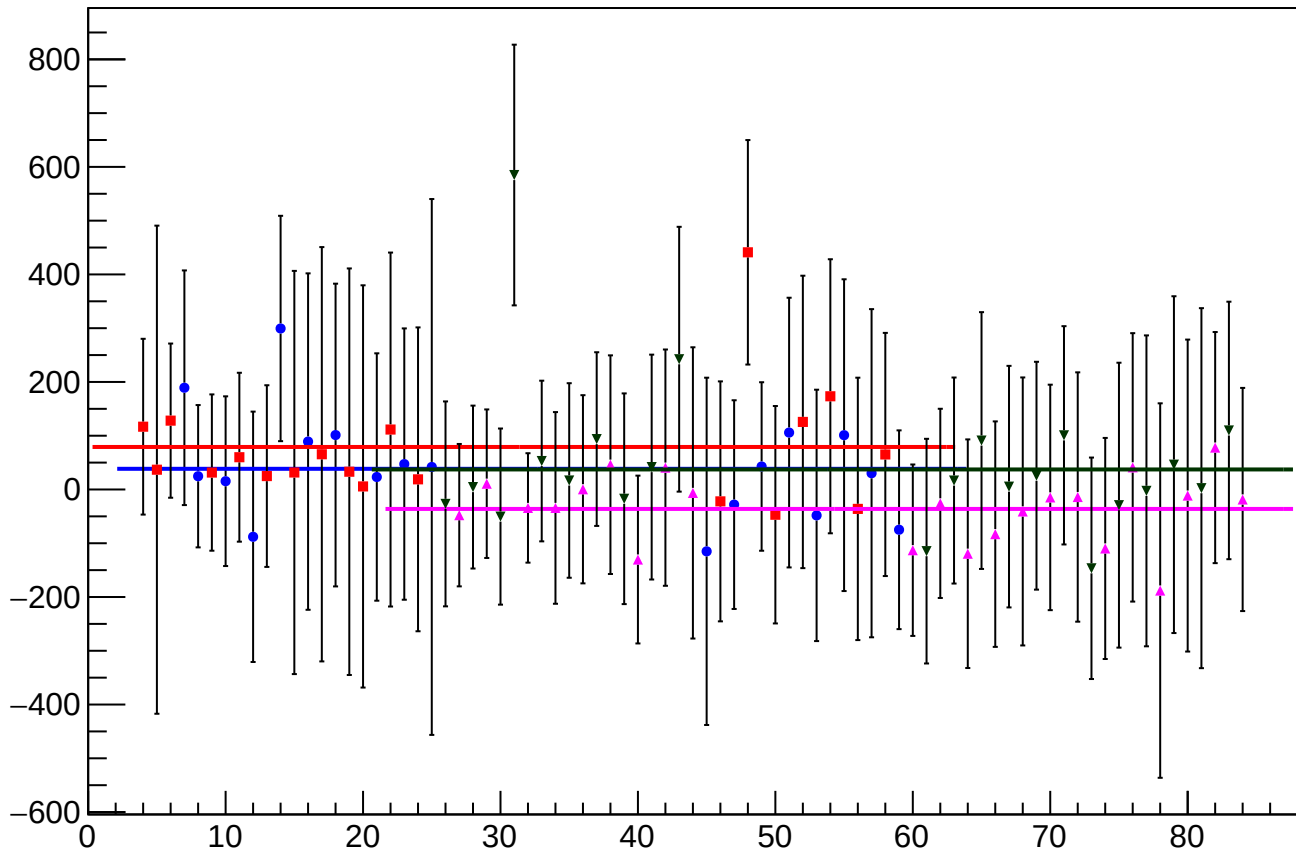
Right Out: 16.920+/-0.004 χ^2 /NDF: 5539958.1/18

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

16.461+/-0.003 χ^2 /NDF: 5197083.3/39

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: 37.250+/-43.650 χ^2/NDF : 8.2/21

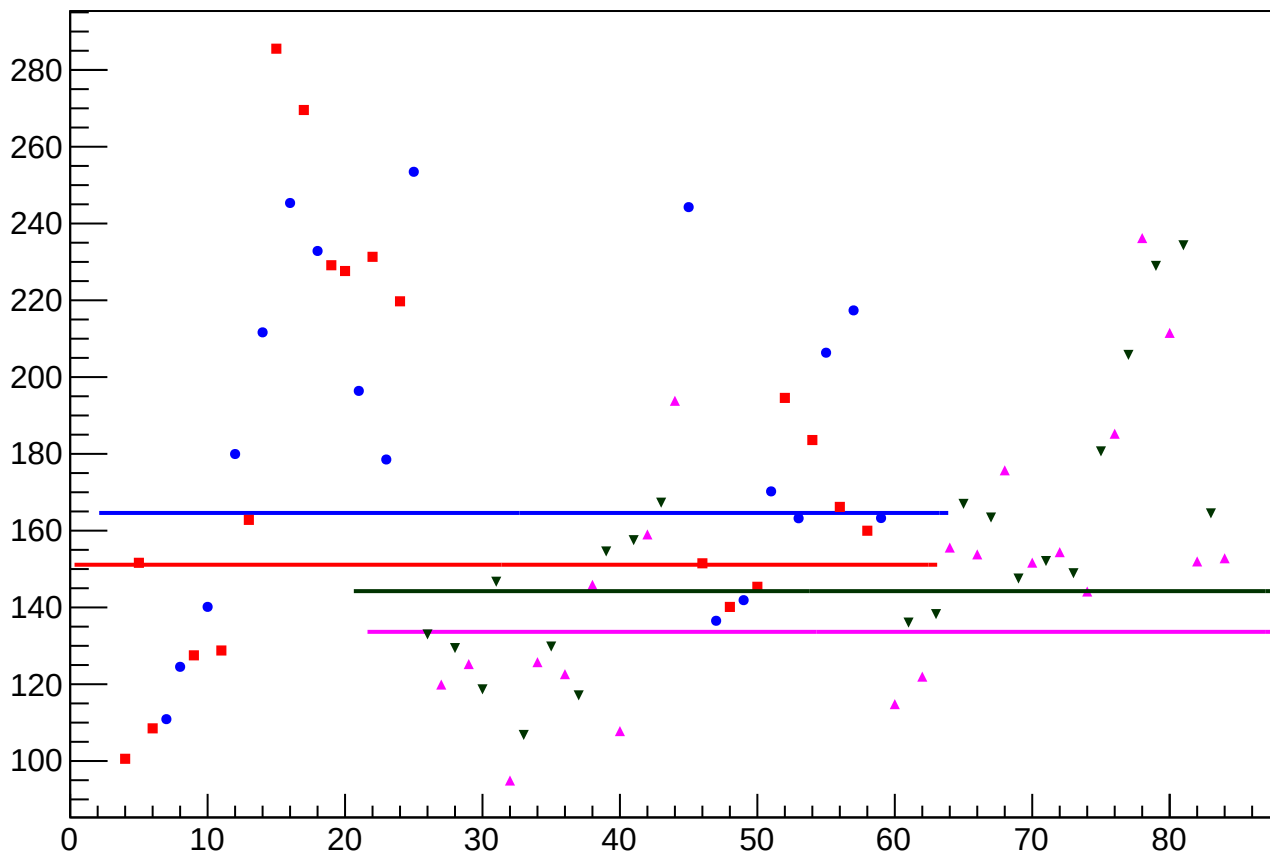
Right Out: 79.078+/-50.233 χ^2/NDF : 4.5/18

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

37.757+/-33.173 χ^2/NDF : 11.6/39

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+/-0.036 χ^2/NDF : 1128549.0/17

Left Out: 144.247+/-0.031 χ^2/NDF : 777127.2/21

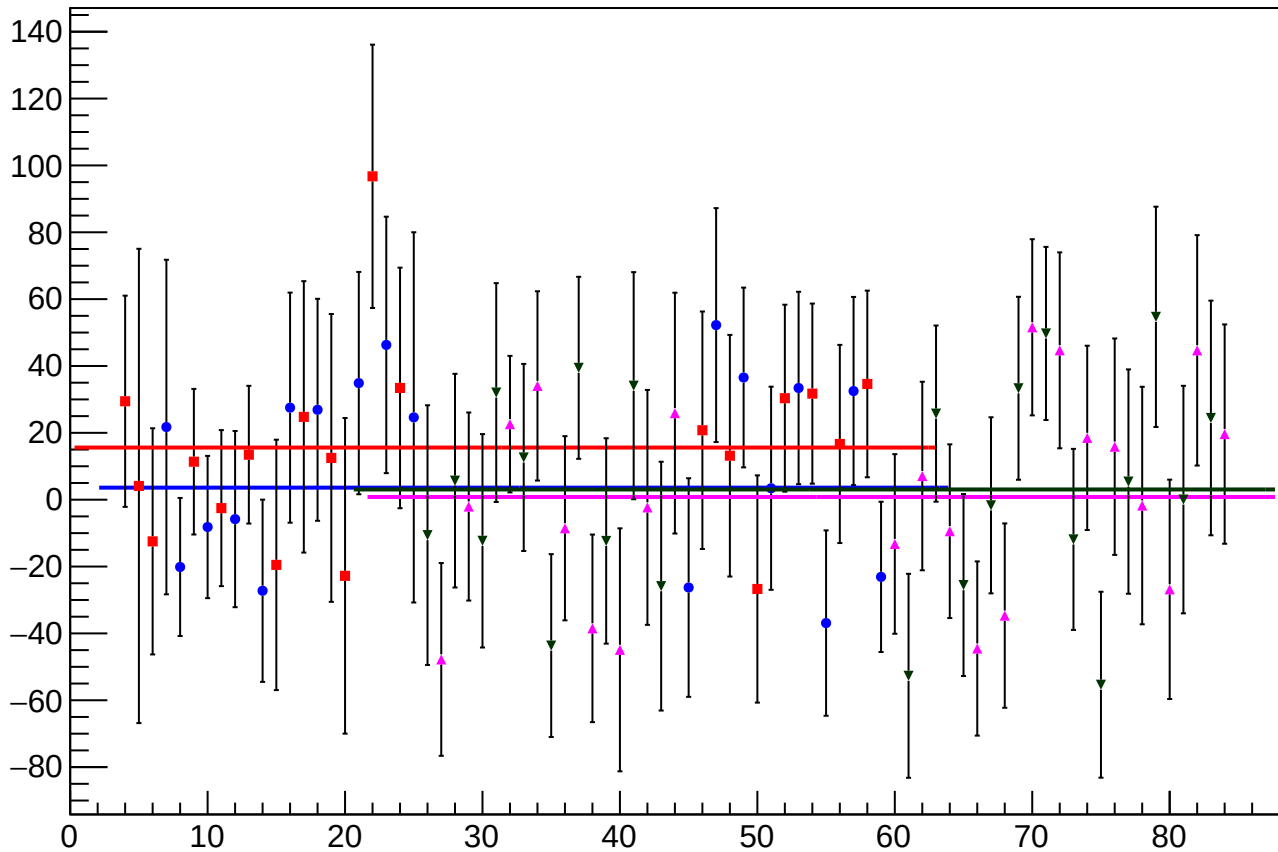
152.850+/-0.023 χ^2/NDF : 2089577.8/39

Right Out: 151.124+/-0.036 χ^2/NDF : 1423423.3/18

140.275+/-0.022 χ^2/NDF : 2695930.1/40

Left In: 133.644+/-0.028 χ^2/NDF : 1122209.3/21

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs slug



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

Left Out: 3.061+/-6.397 χ^2/NDF : 24.9/21

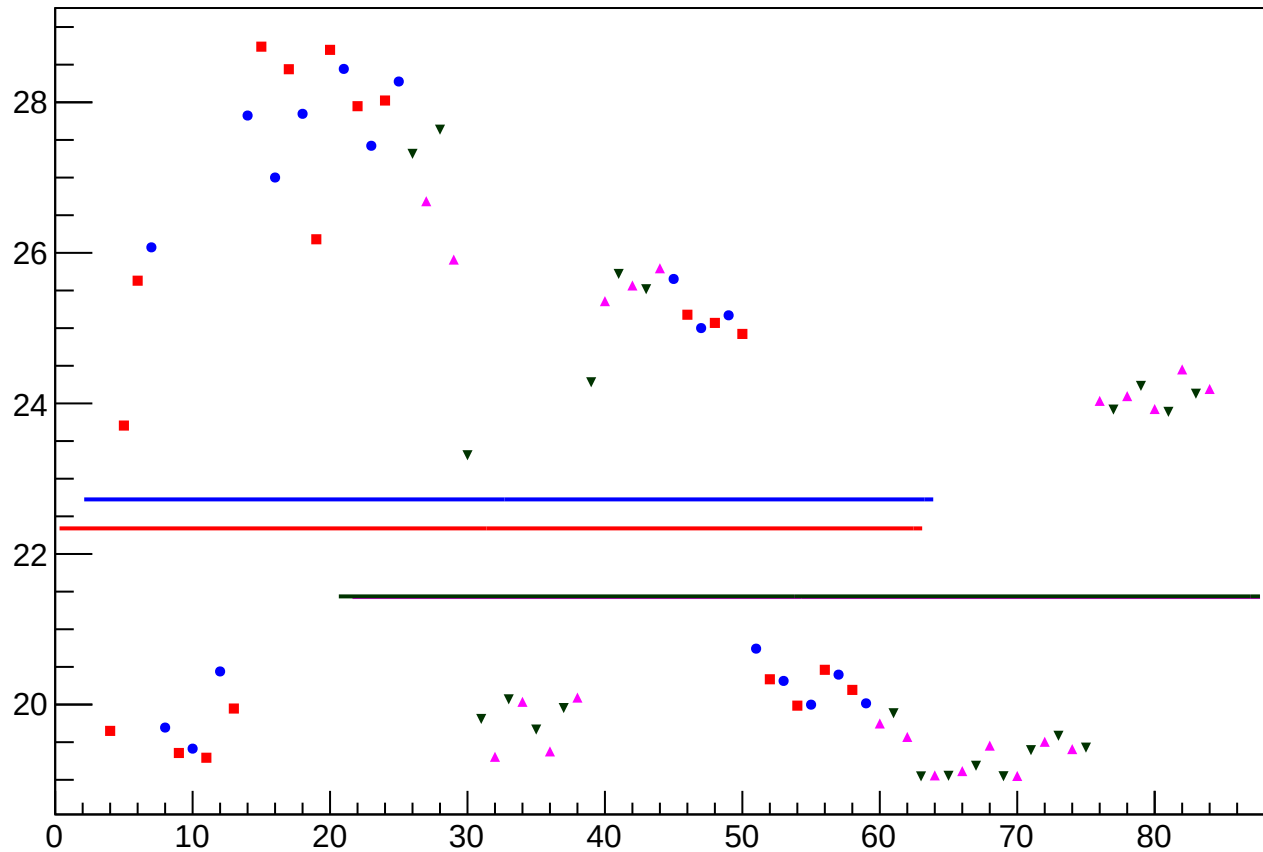
3.315+/-4.673 χ^2/NDF : 41.3/39

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

7.122+/-4.667 χ^2/NDF : 36.7/40

Left In: 0.811+/-6.164 χ^2/NDF : 23.9/21

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs slug



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

Left Out: 21.437+/-0.005 χ^2/NDF : 371483.1/21

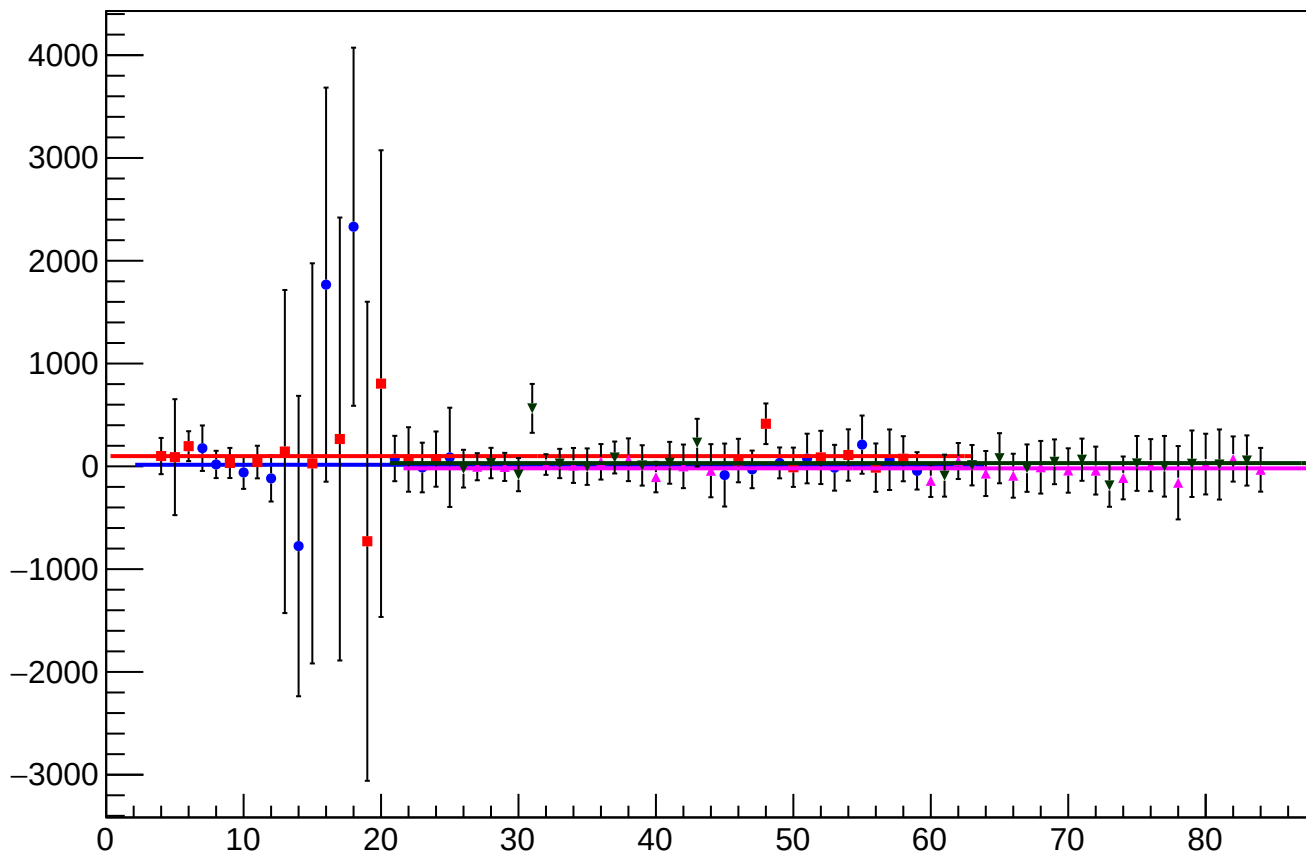
Right Out: 22.340+/-0.005 χ^2/NDF : 460008.2/18

Left In: 21.428+/-0.004 χ^2/NDF : 400003.8/21

22.037+/-0.003 χ^2/NDF : 908105.6/39

21.817+/-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: 31.528+/-43.172 χ^2/NDF : 8.1/21

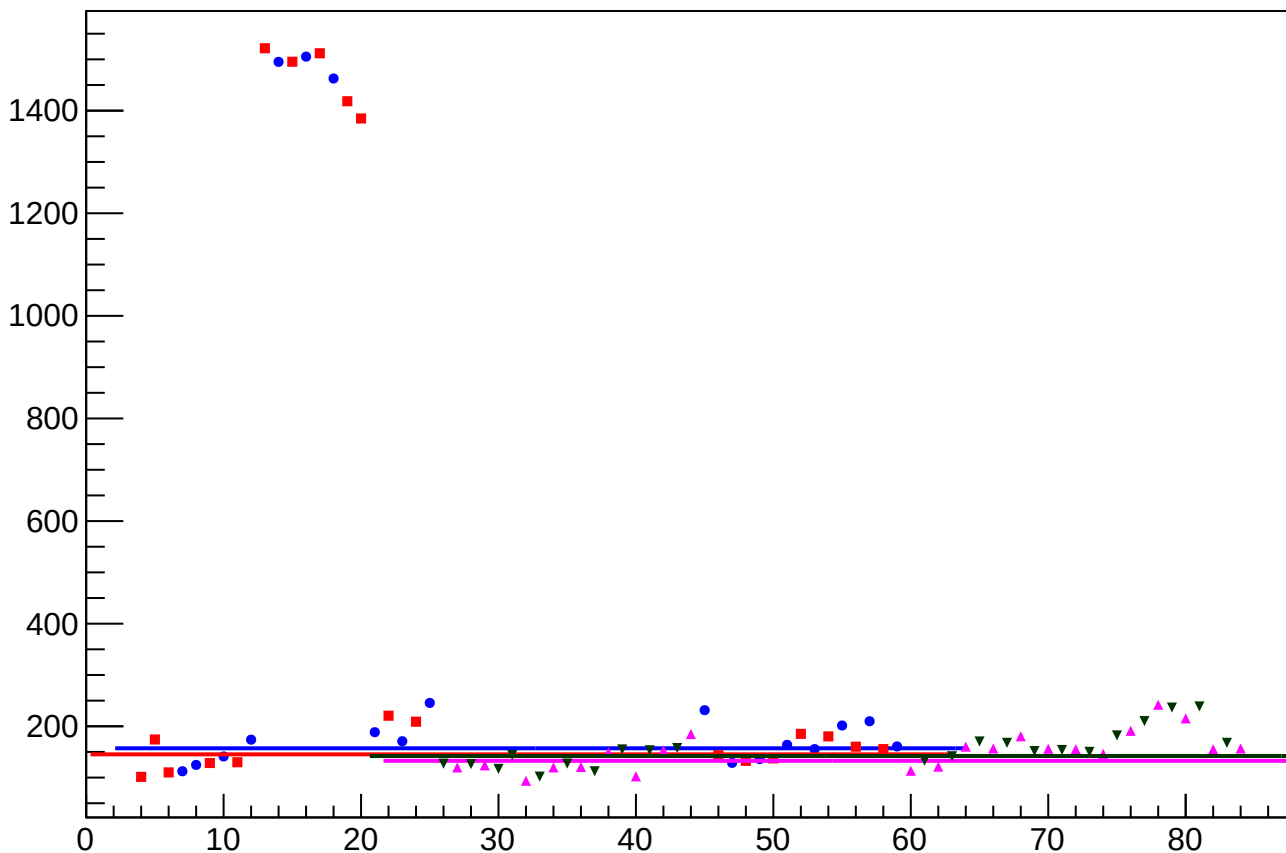
Right Out: 99.514+/-54.286 χ^2/NDF : 4.2/18

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

25.017+/-33.477 χ^2/NDF : 13.1/39

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: 142.086 $\pm$ 0.031 χ^2 /NDF: 927980.9/21

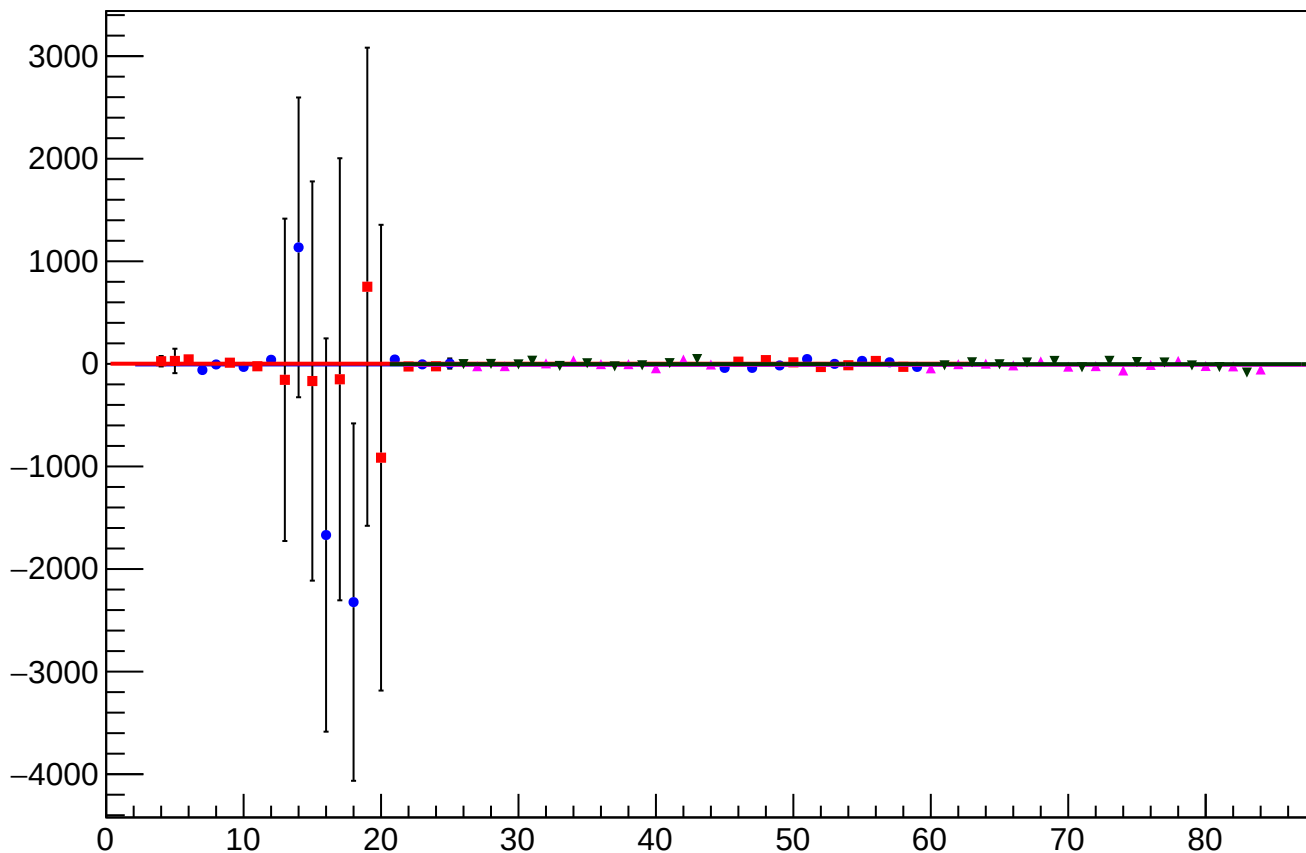
148.067 $\pm$ 0.024 χ^2 /NDF: 5481059.2/39

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: -2.893+/-6.211 χ^2/NDF : 18.6/21

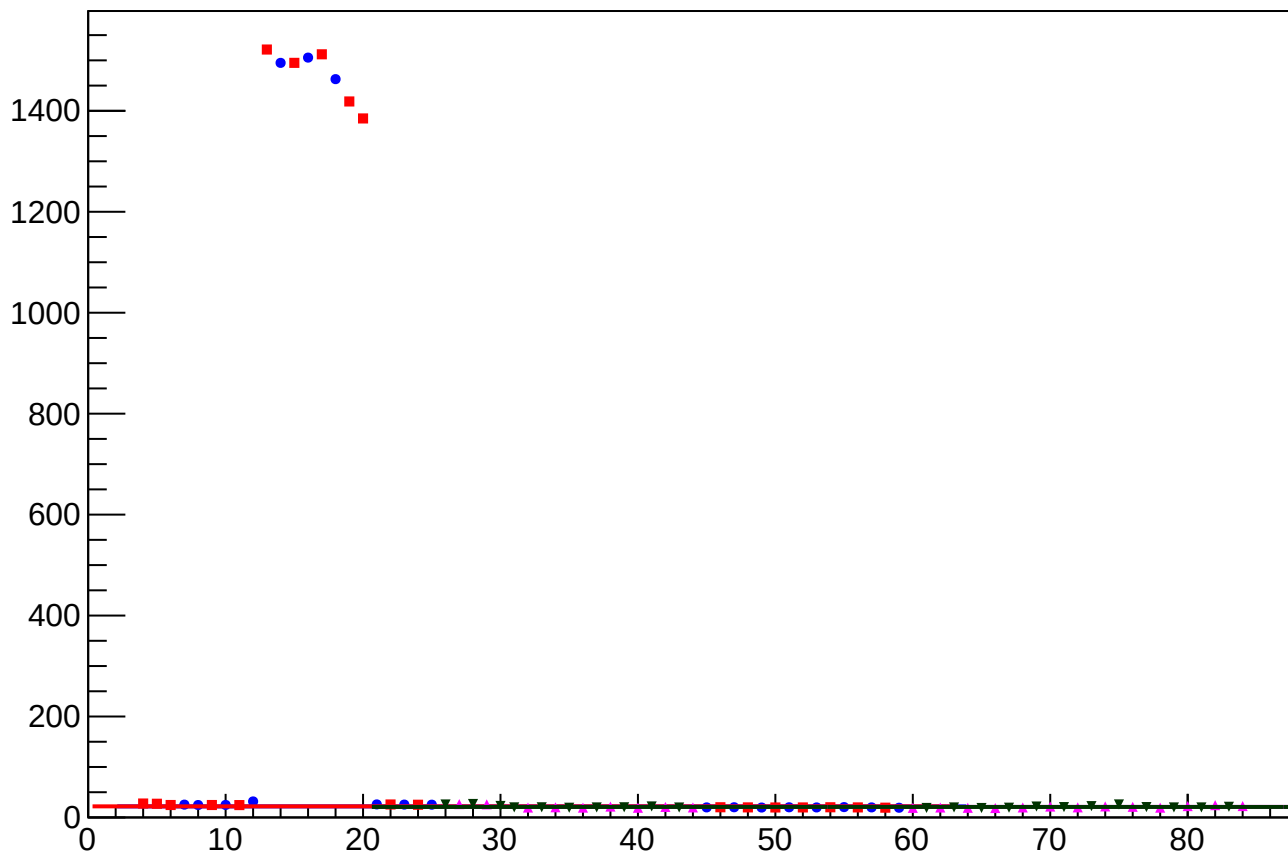
Right Out: 1.722+/-8.261 χ^2/NDF : 10.4/18

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

-4.040+/-4.755 χ^2/NDF : 37.5/39

-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: 20.823 $\pm$ 0.004 χ^2 /NDF:212209.6/21

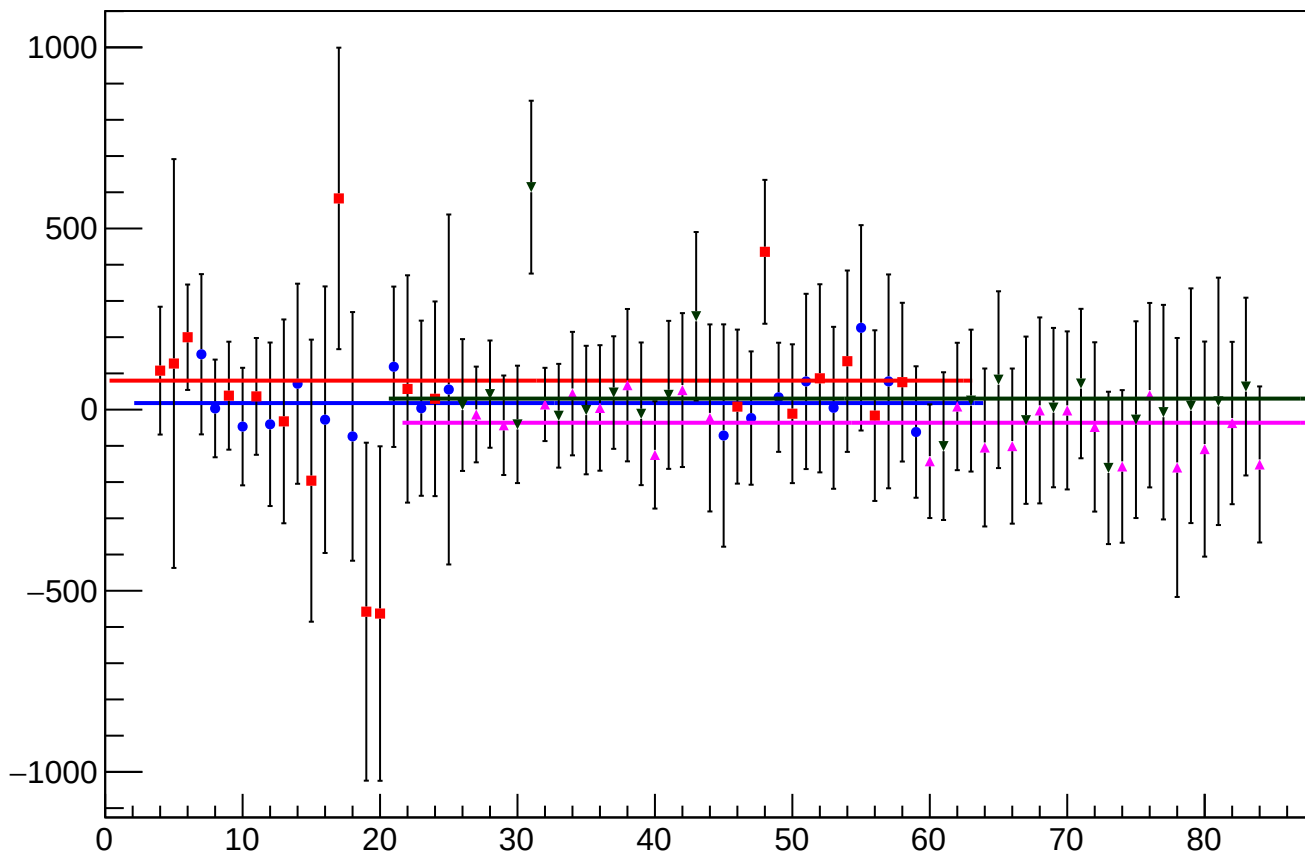
Right Out: 21.987 $\pm$ 0.006 χ^2 /NDF: 5559967.3/18

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

21.277 $\pm$ 0.003 χ^2 /NDF: 5169694.3/39

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

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs slug



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

Left Out: 30.441+/-43.280 χ^2/NDF : 8.8/21

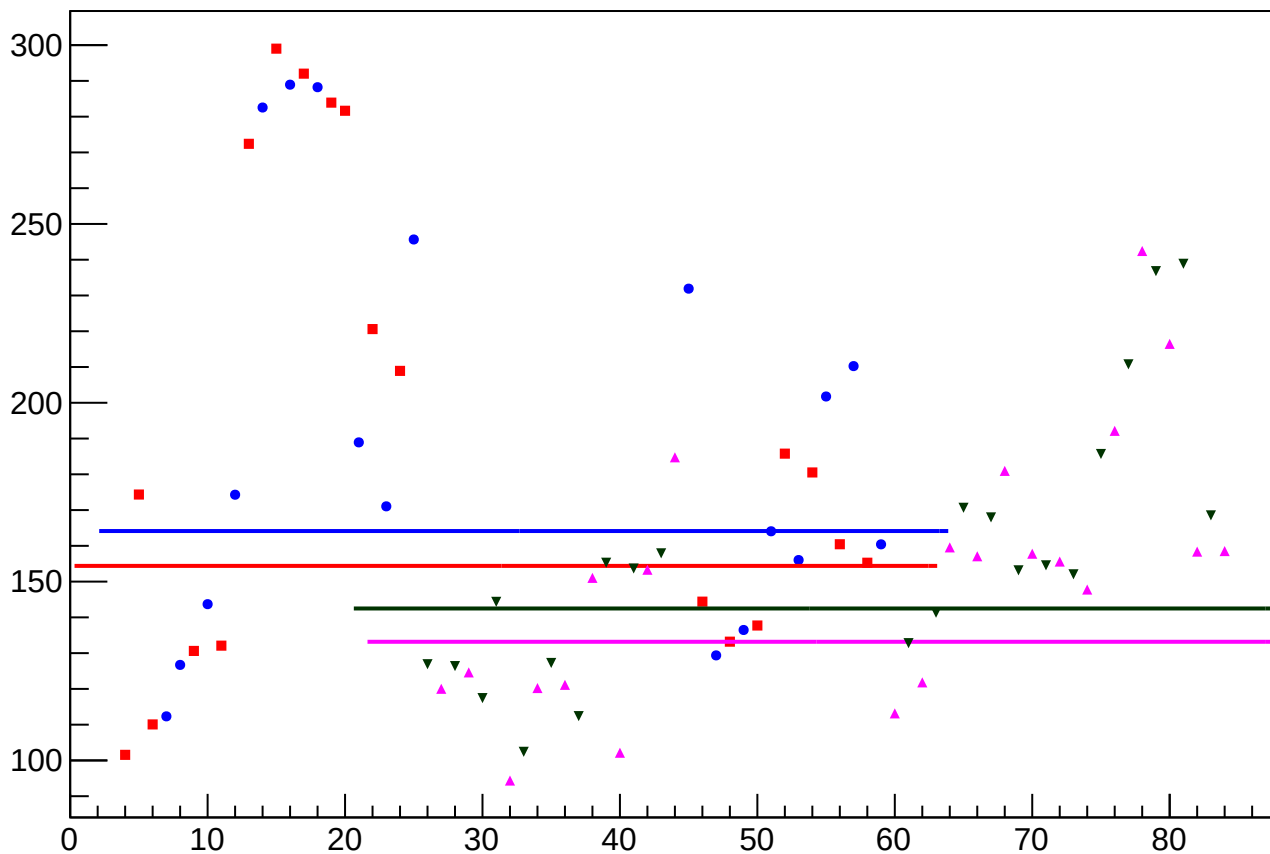
Right Out: 80.043+/-52.081 χ^2/NDF : 10.6/18

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

25.316+/-33.089 χ^2/NDF : 10.8/39

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+/-0.036 χ^2/NDF : 1566554.6/17

Left Out: 142.485+/-0.031 χ^2/NDF : 935355.9/21

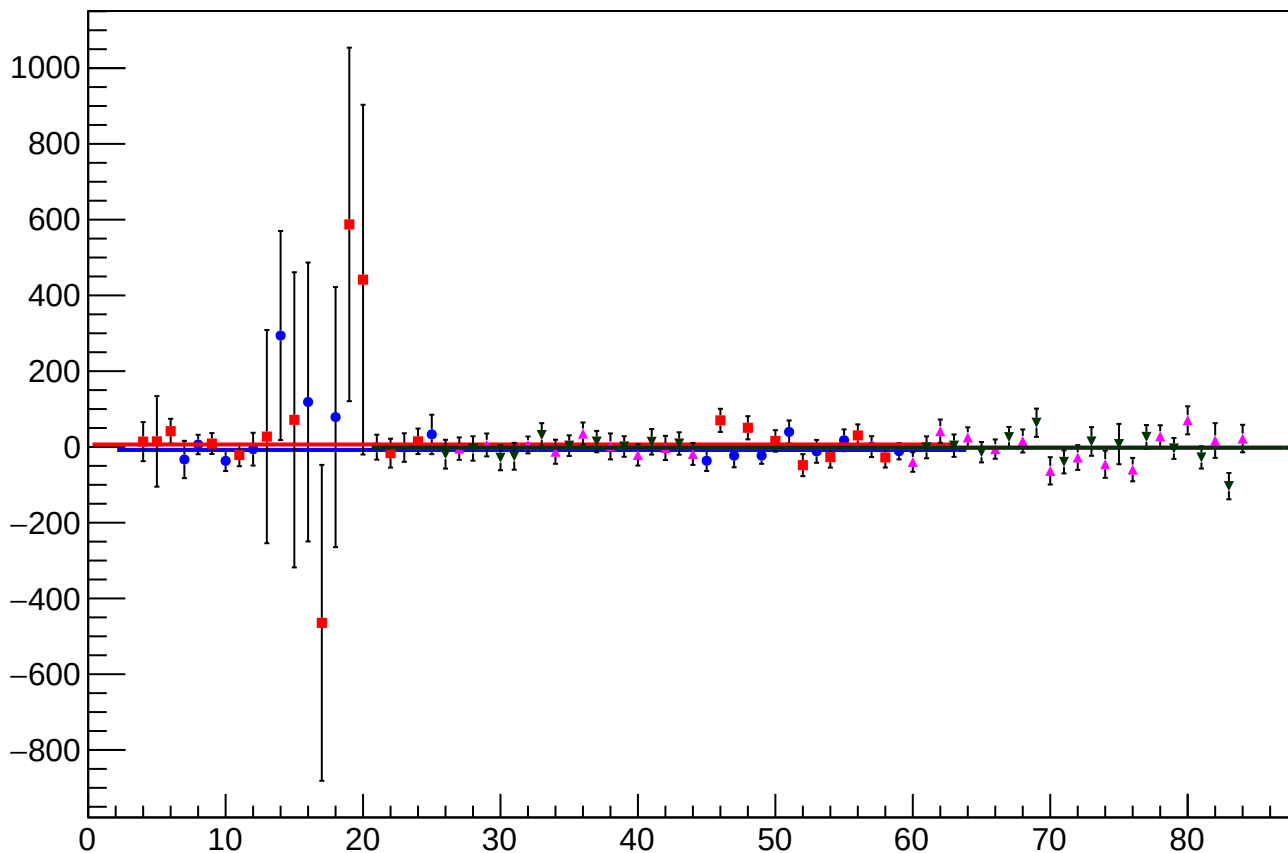
151.483+/-0.023 χ^2/NDF : 2709947.8/39

Right Out: 154.395+/-0.037 χ^2/NDF : 1875575.3/18

140.854+/-0.022 χ^2/NDF : 3353318.5/40

Left In: 133.175+/-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: -2.067+/-6.647 χ^2/NDF : 19.4/21

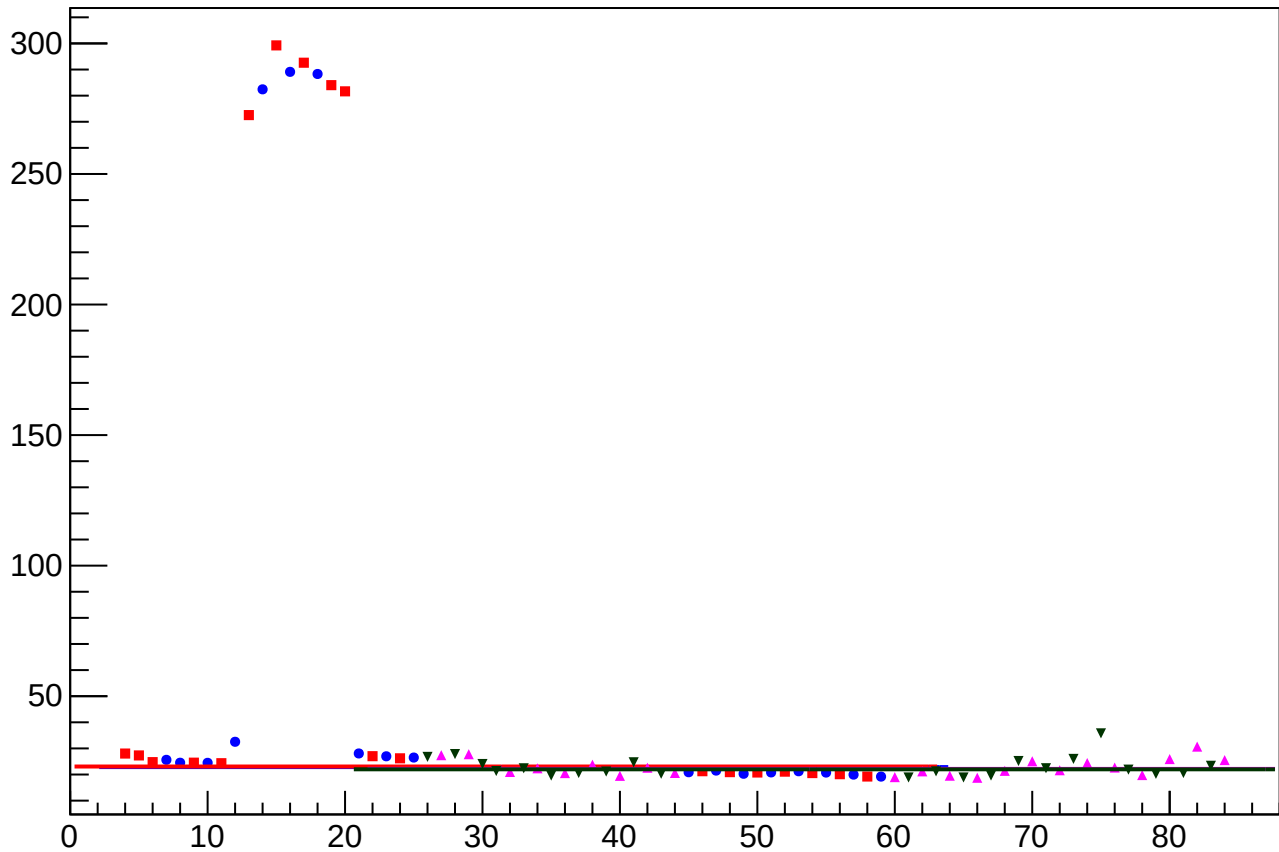
Right Out: 6.463+/-8.479 χ^2/NDF : 20.1/18

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

-4.629+/-5.004 χ^2/NDF : 28.8/39

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: 22.002+/-0.005 χ^2/NDF : 401547.4/21

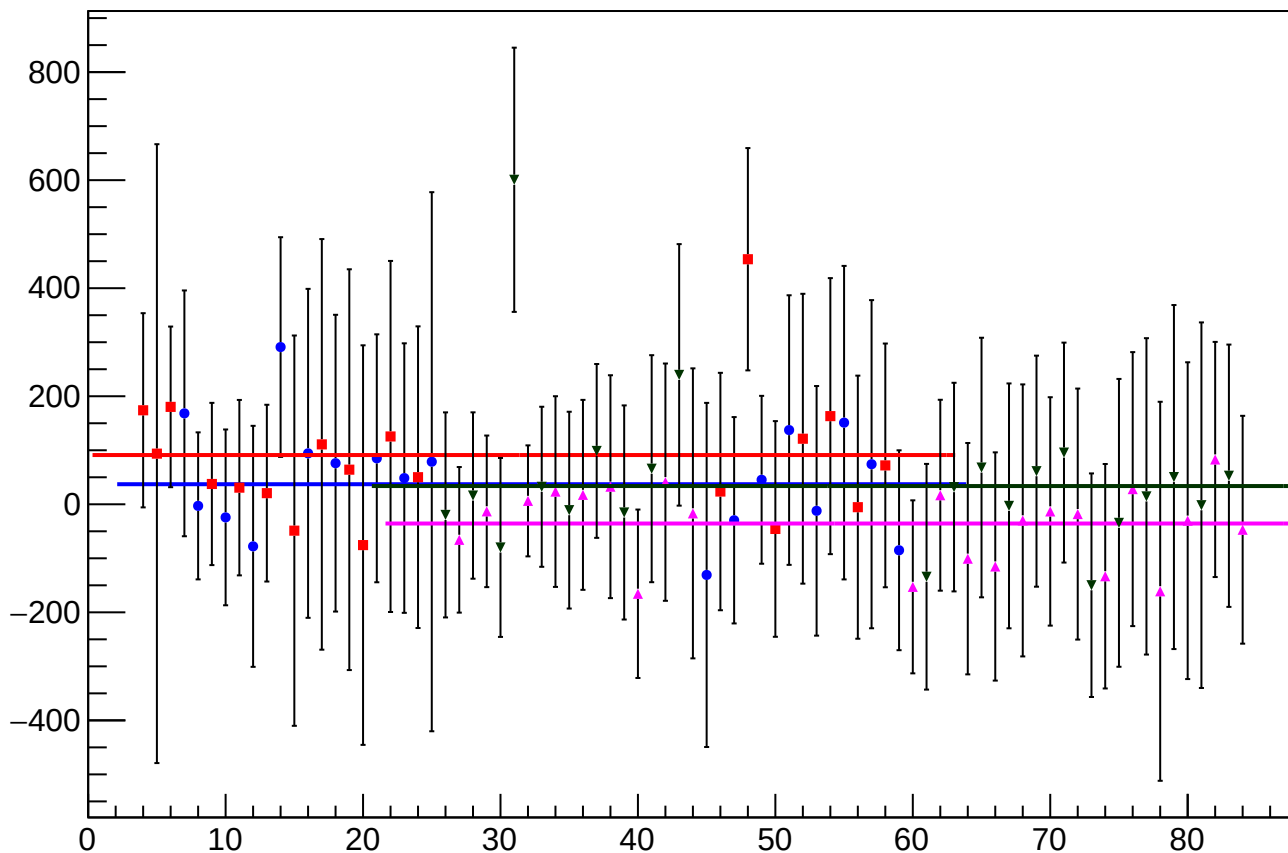
Right Out: 23.069+/-0.006 χ^2/NDF : 4856723.7/18

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

22.371+/-0.004 χ^2/NDF : 4779289.8/39

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: 33.757+/-43.861 χ^2/NDF : 8.6/21

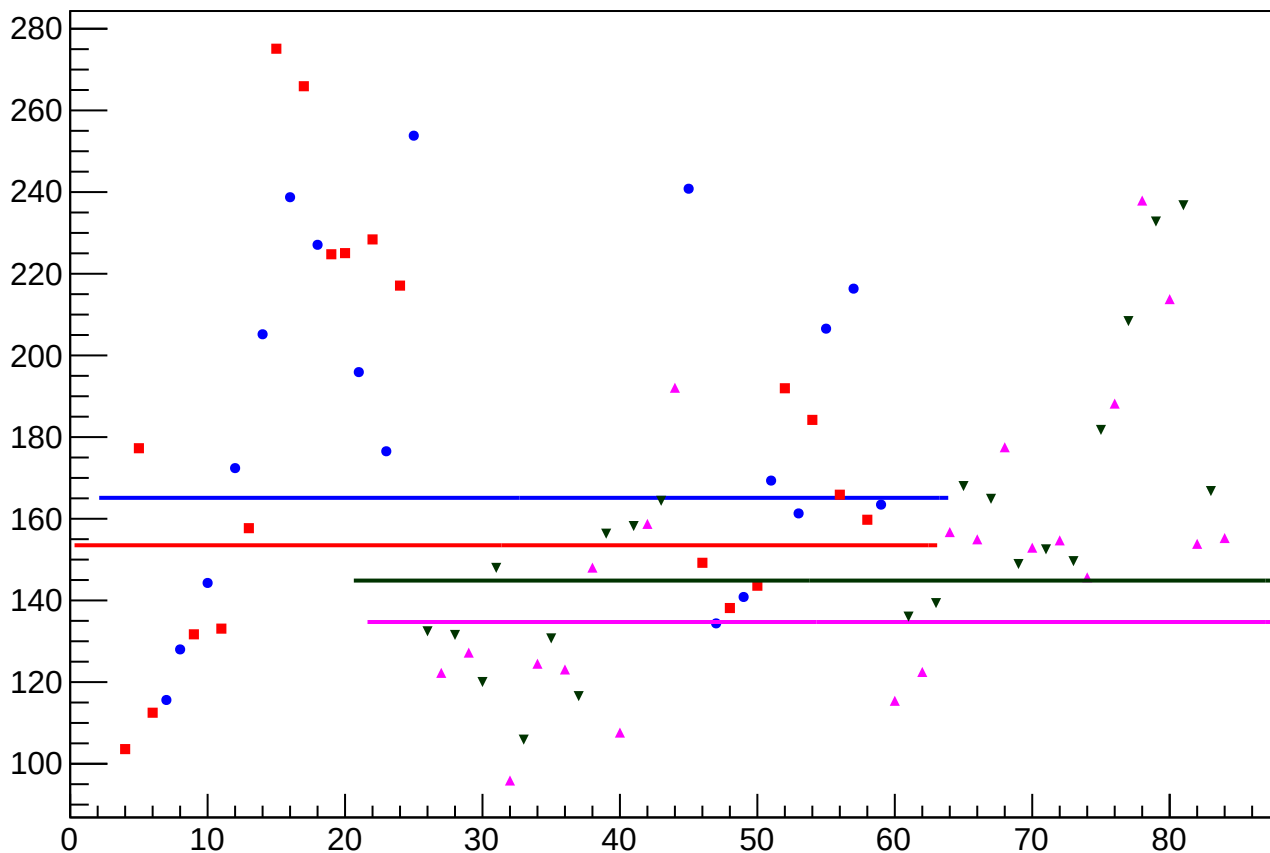
Right Out: 91.157+/-50.934 χ^2/NDF : 5.3/18

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

35.200+/-33.265 χ^2/NDF : 12.4/39

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: 144.864+/-0.031 χ^2/NDF : 801736.4/21

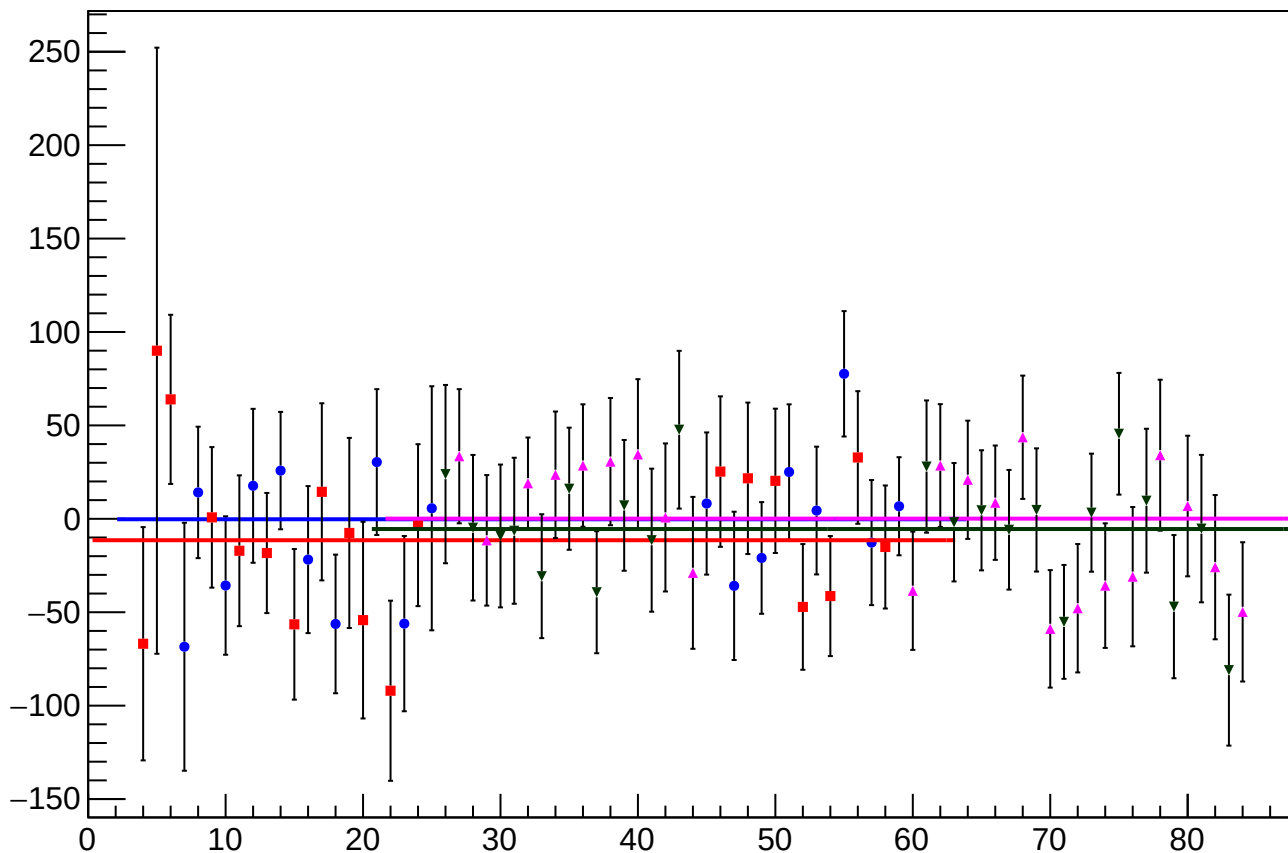
153.471+/-0.024 χ^2/NDF : 1973696.9/39

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: -5.467 ± 7.544 χ^2/NDF : 15.3/21

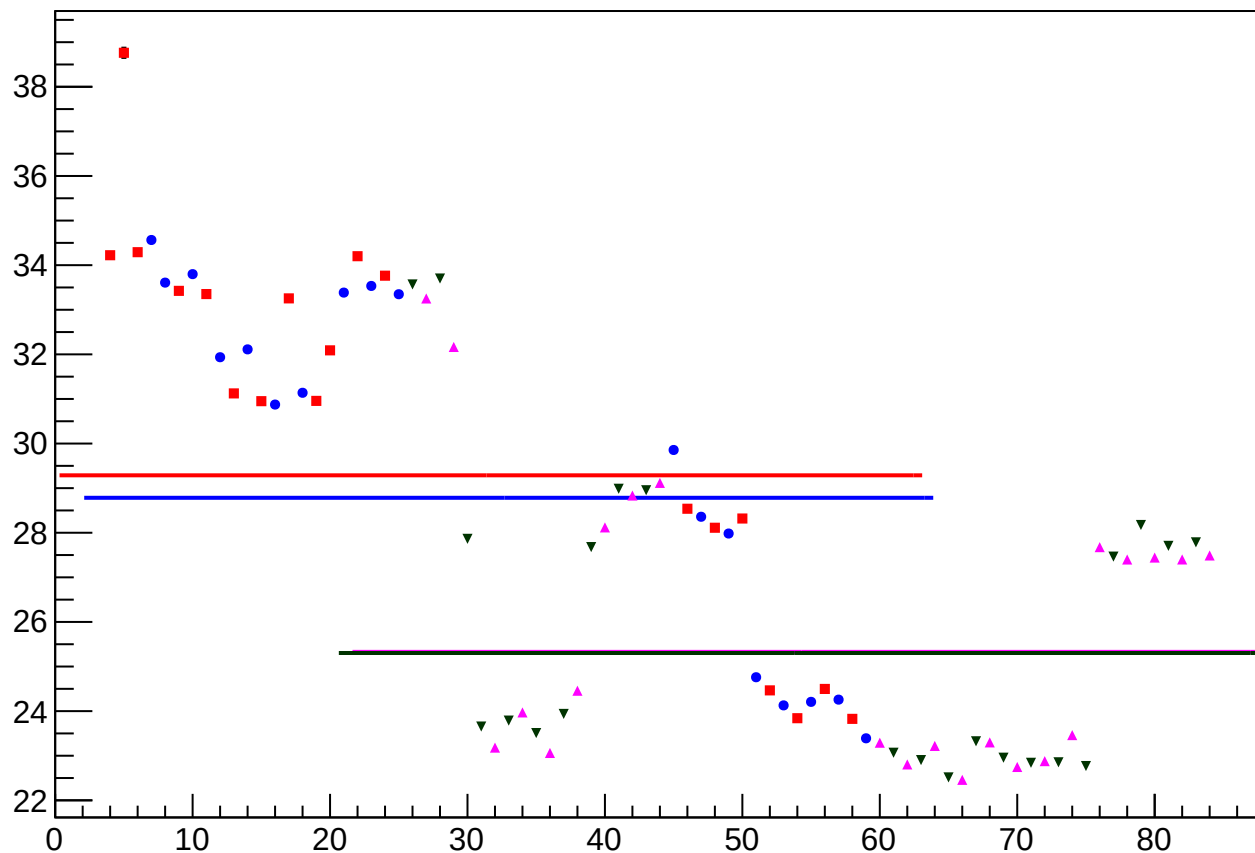
Right Out: -11.462 ± 9.405 χ^2/NDF : 14.9/18

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

-3.207 ± 5.685 χ^2/NDF : 30.6/39

-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 $\pm$ 0.006 χ^2/NDF : 418497.9/17

Left Out: 25.304 $\pm$ 0.005 χ^2/NDF : 343786.3/21

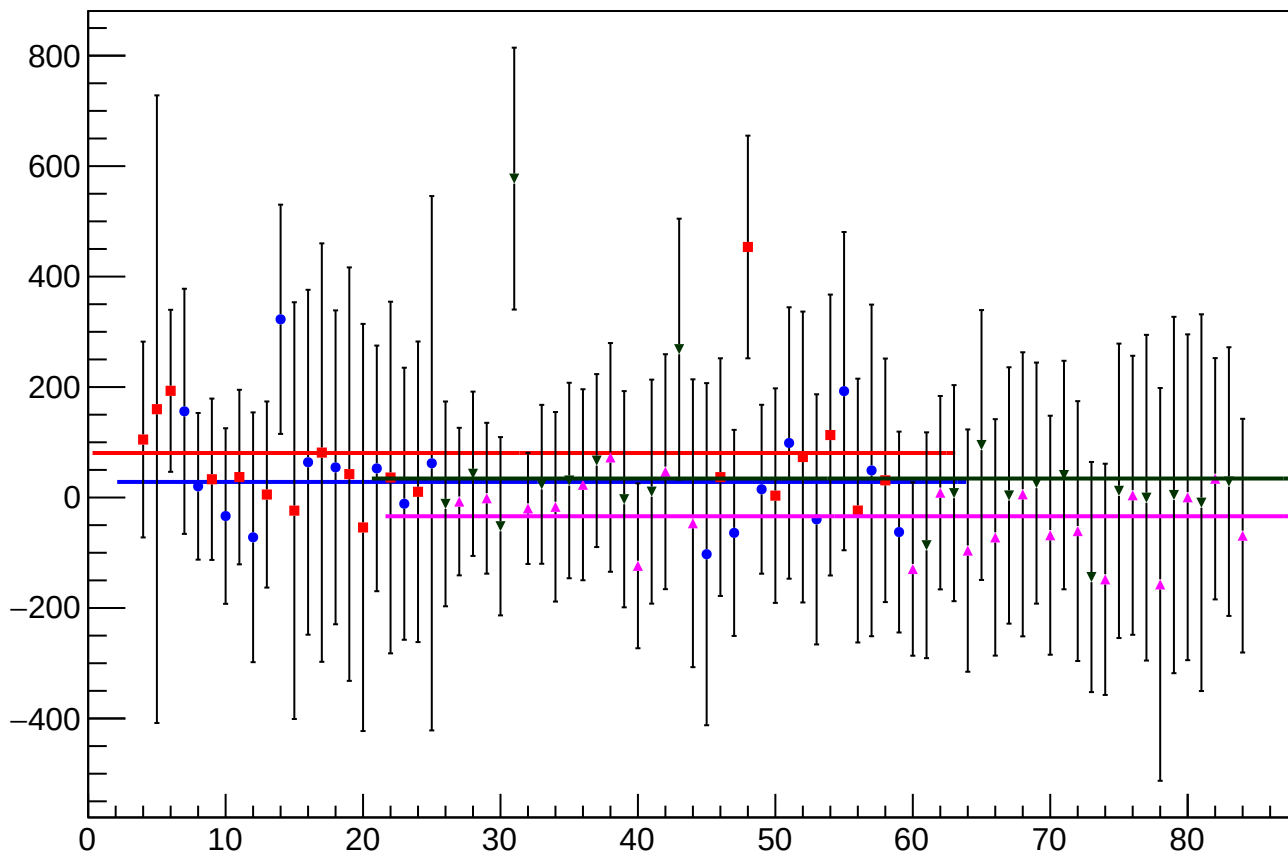
Right Out: 29.288 $\pm$ 0.007 χ^2/NDF : 355757.4/18

Left In: 25.329 $\pm$ 0.005 χ^2/NDF : 362122.6/21

26.808 $\pm$ 0.004 χ^2/NDF : 946254.4/39

26.812 $\pm$ 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: 34.407+/-43.300 χ^2/NDF : 7.9/21

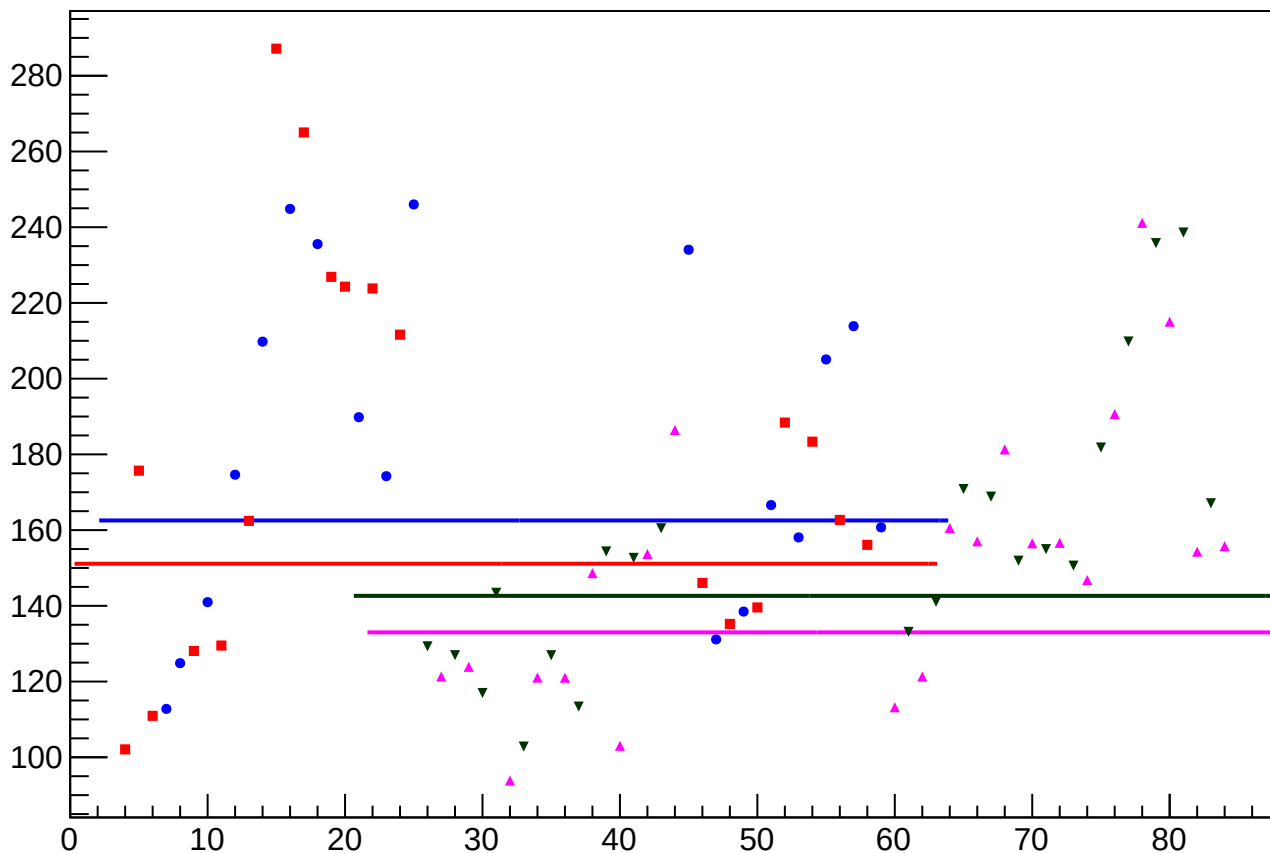
Right Out: 80.614+/-50.242 χ^2/NDF : 5.2/18

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

31.779+/-32.831 χ^2/NDF : 11.9/39

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: 142.638 $\pm$ 0.031 χ^2 /NDF: 907987.4/21

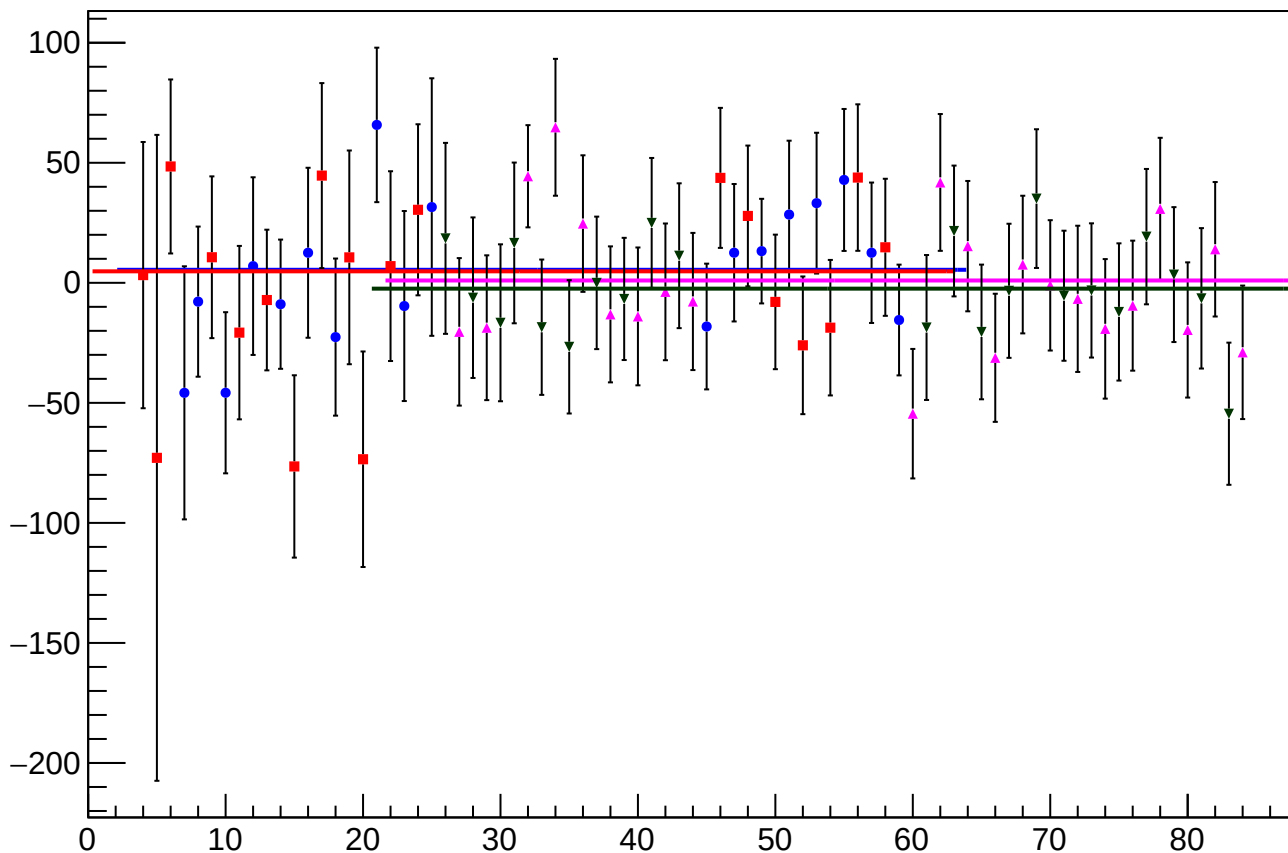
151.102 $\pm$ 0.023 χ^2 /NDF: 2177063.6/39

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: -2.427+/-6.186 χ^2/NDF : 10.2/21

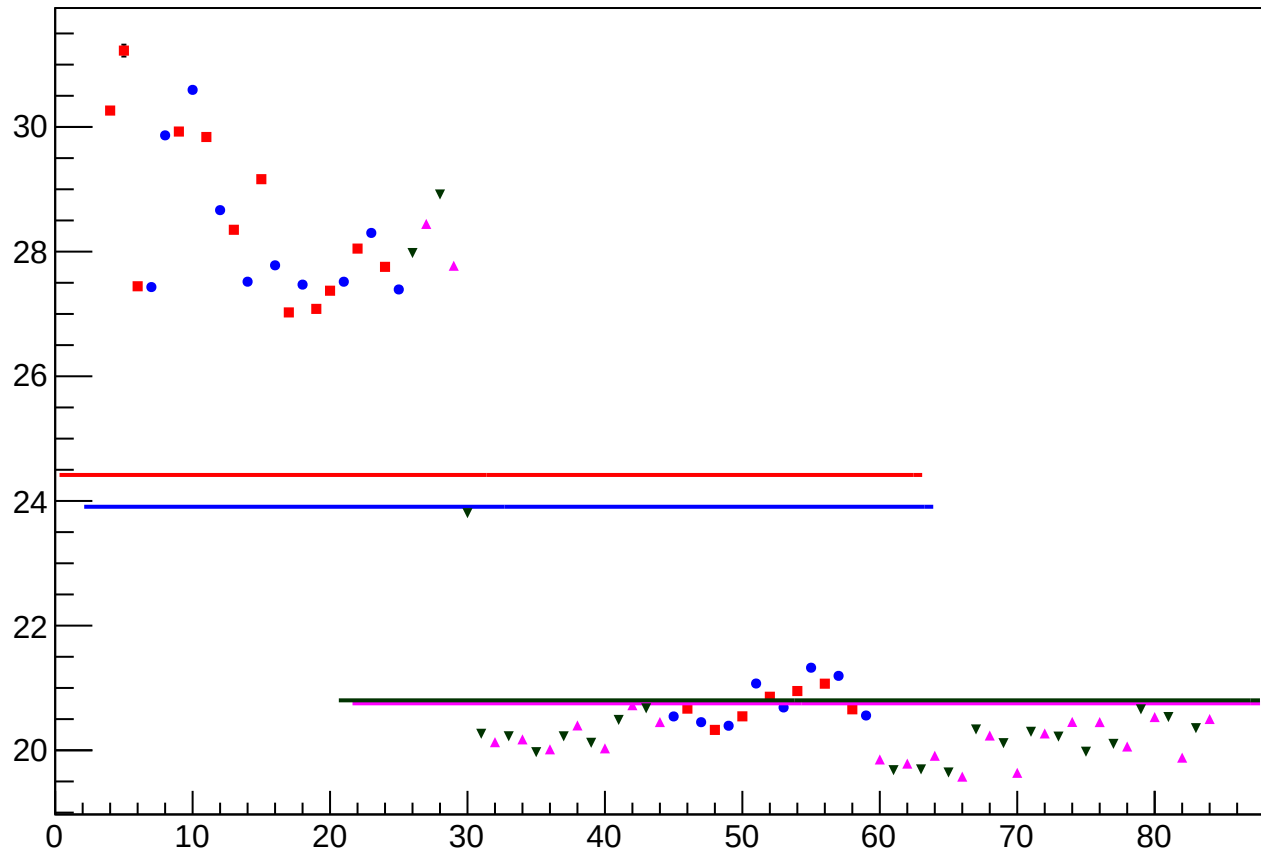
Right Out: 4.784+/-7.872 χ^2/NDF : 17.9/18

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

0.906+/-4.694 χ^2/NDF : 24.2/39

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 $\pm$ 0.005 χ^2 /NDF: 565903.0/17

Left Out: 20.801 $\pm$ 0.004 χ^2 /NDF: 221843.6/21

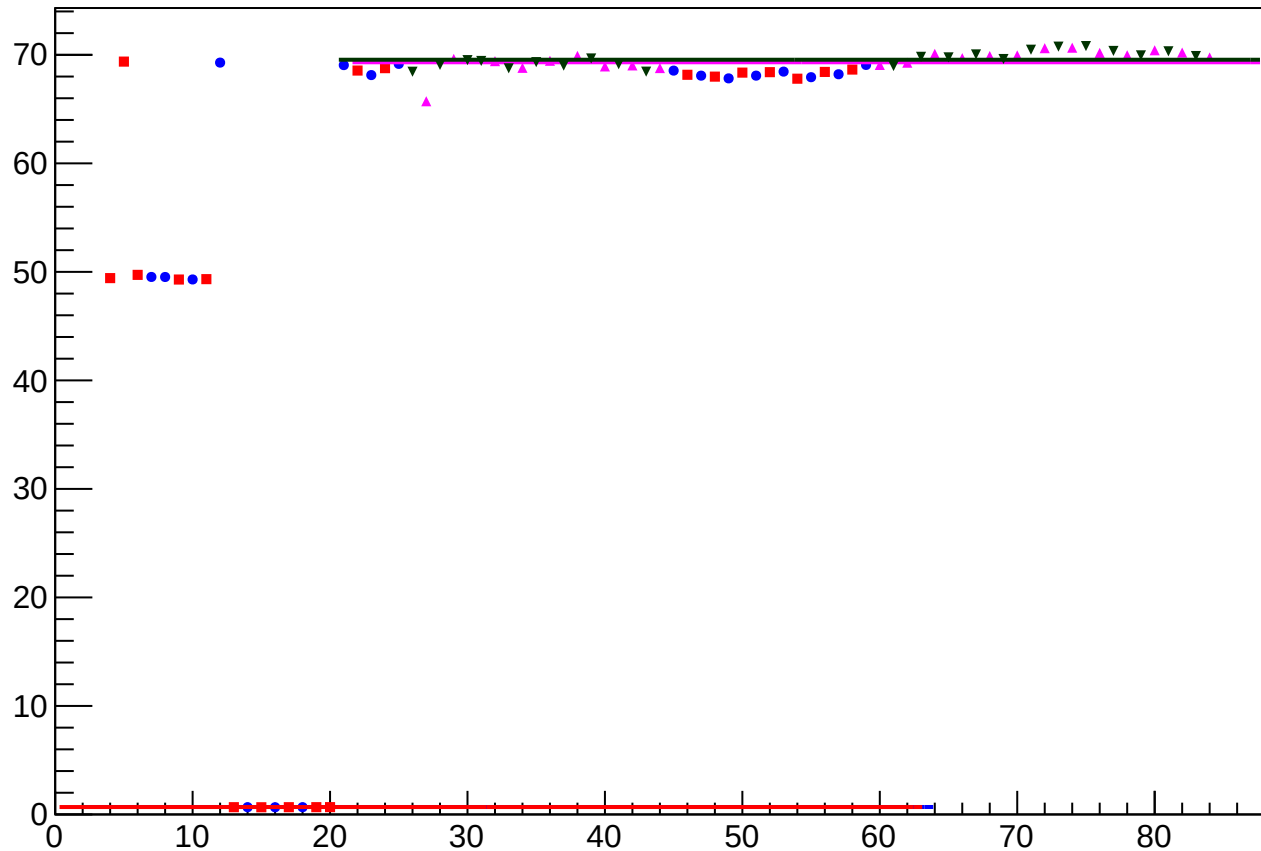
Right Out: 24.417 $\pm$ 0.006 χ^2 /NDF: 496476.9/18

Left In: 20.753 $\pm$ 0.004 χ^2 /NDF: 258068.0/21

22.119 $\pm$ 0.003 χ^2 /NDF: 1001649.8/39

22.084 $\pm$ 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: 69.549+/-0.000 χ^2/NDF : 128536043.0/21

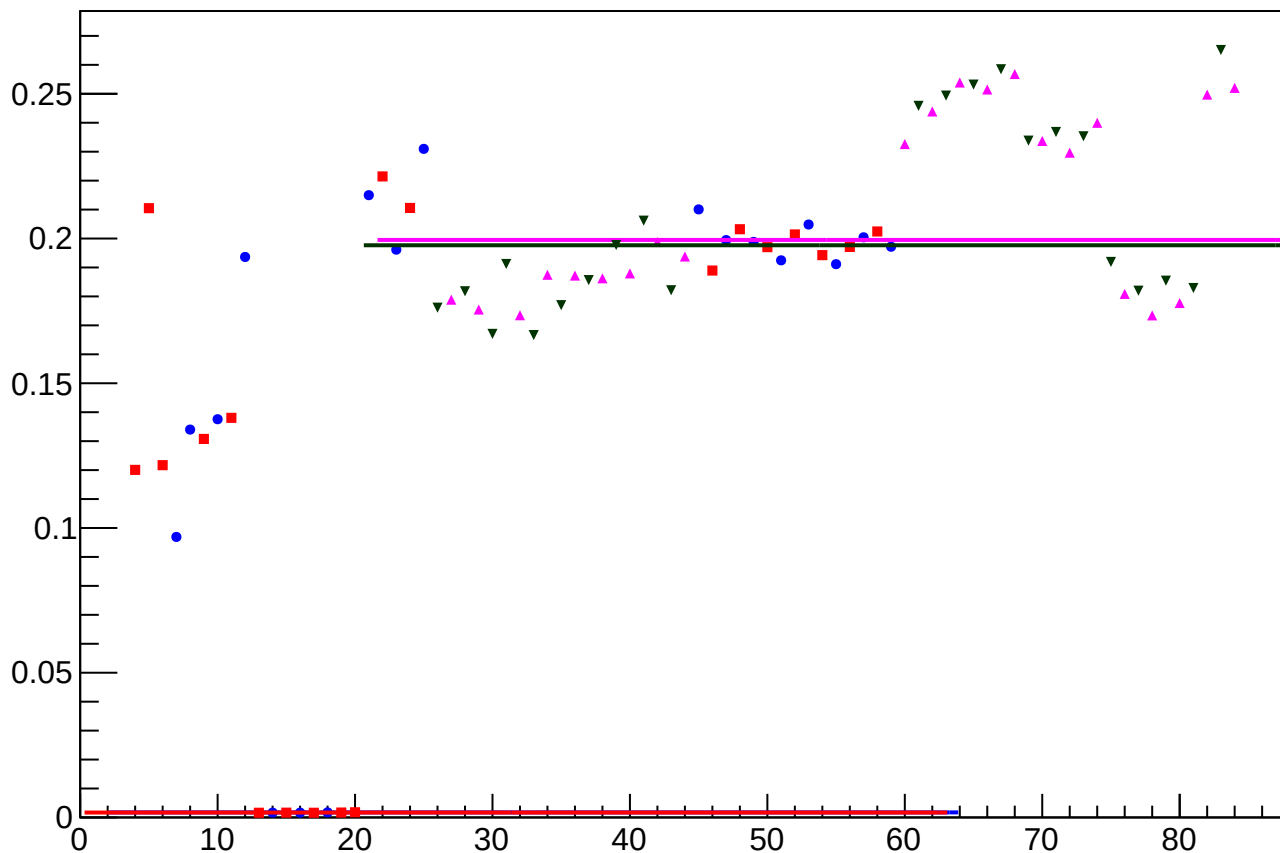
Right Out: 0.684+/-0.000 χ^2/NDF : 845851789818.6/18

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

0.711+/-0.000 χ^2/NDF : 2359814301045.3/39

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

yield_bcm_an_ds_rms vs slug



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

Left Out: 0.198+/-0.000 χ^2/NDF : 460196.2/21

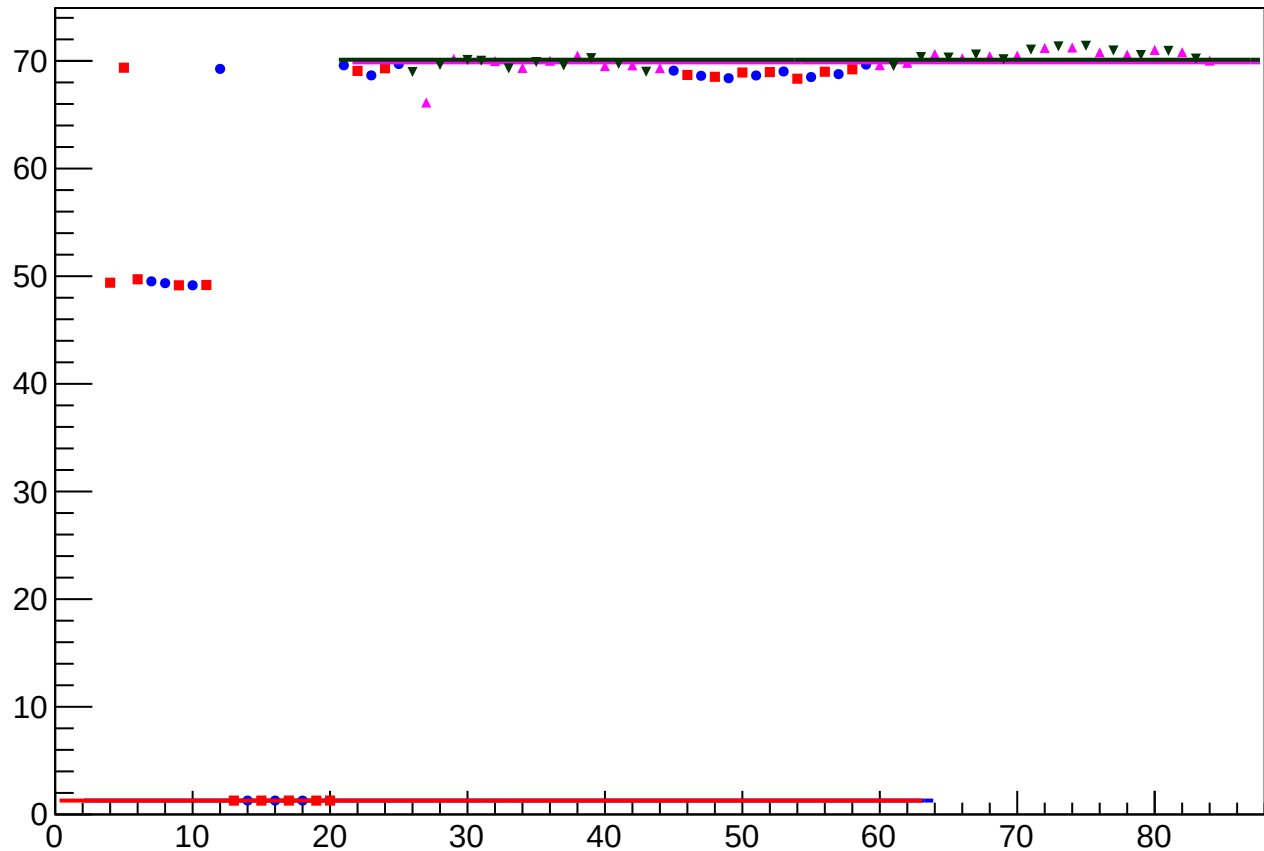
Right Out: 0.002+/-0.000 χ^2/NDF : 13510450.3/18

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

0.002+/-0.000 χ^2/NDF : 38773338.5/39

0.002+/-0.000 χ^2/NDF : 37116840.8/40

yield_bcm_an_ds3_mean vs slug



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

Left Out: 70.111+/-0.000 χ^2/NDF : 128306892.2/21

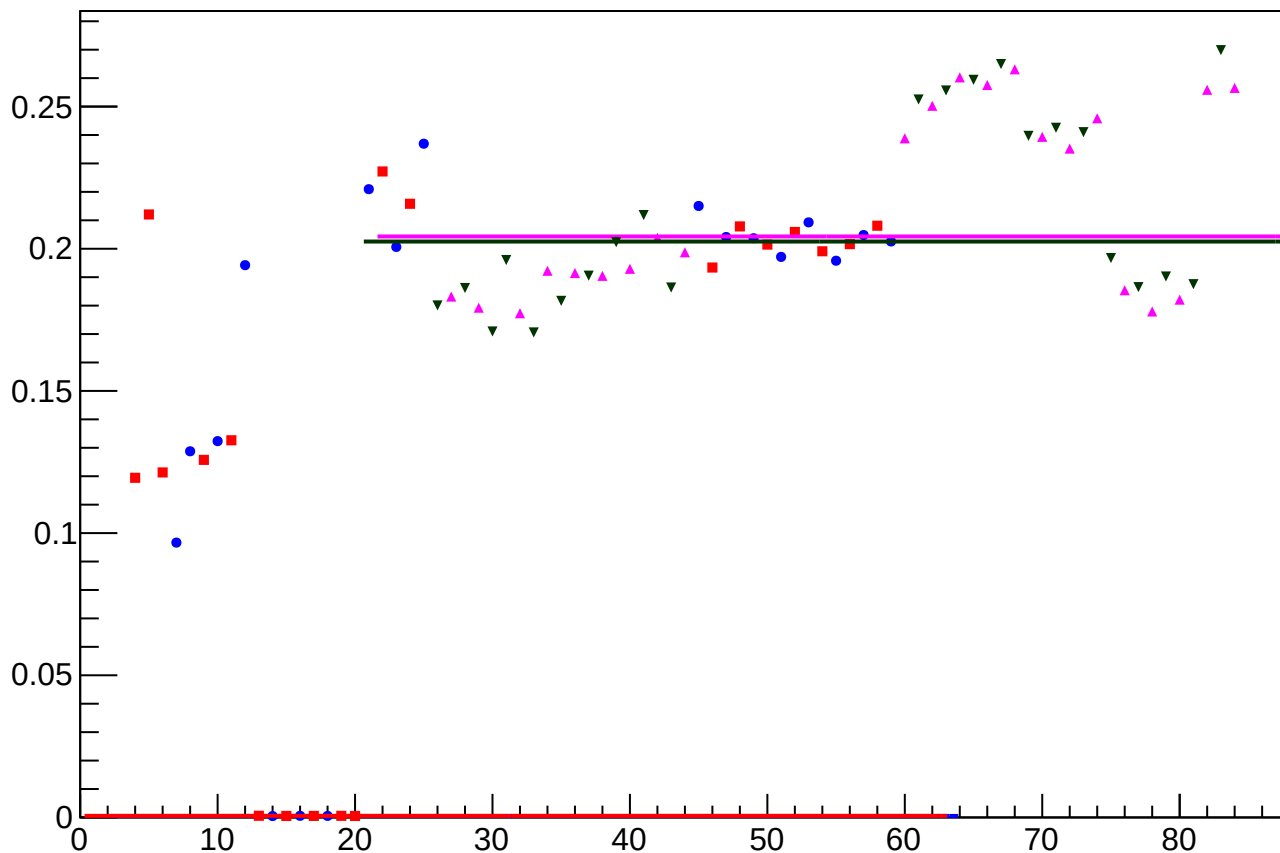
Right Out: 1.290+/-0.000 χ^2/NDF : 826763948171.6/18

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

1.293+/-0.000 χ^2/NDF : 2268957926479.8/39

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

yield_bcm_an_ds3_rms vs slug



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

Left Out: 0.203+/-0.000 χ^2/NDF : 459822.3/21

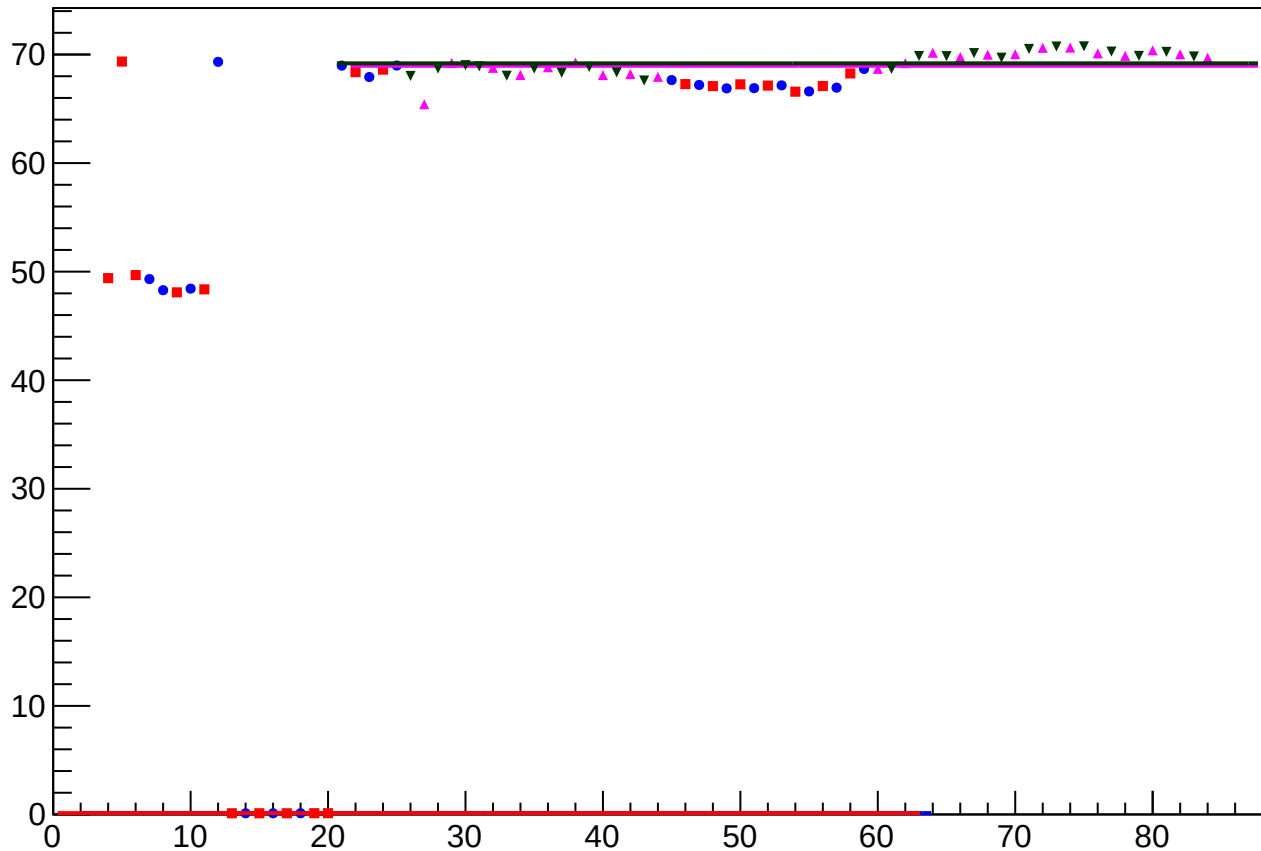
Right Out: 0.001+/-0.000 χ^2/NDF : 13695888.0/18

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

0.001+/-0.000 χ^2/NDF : 39292314.2/39

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: 69.187+/-0.000 χ^2/NDF : 244954969.9/21

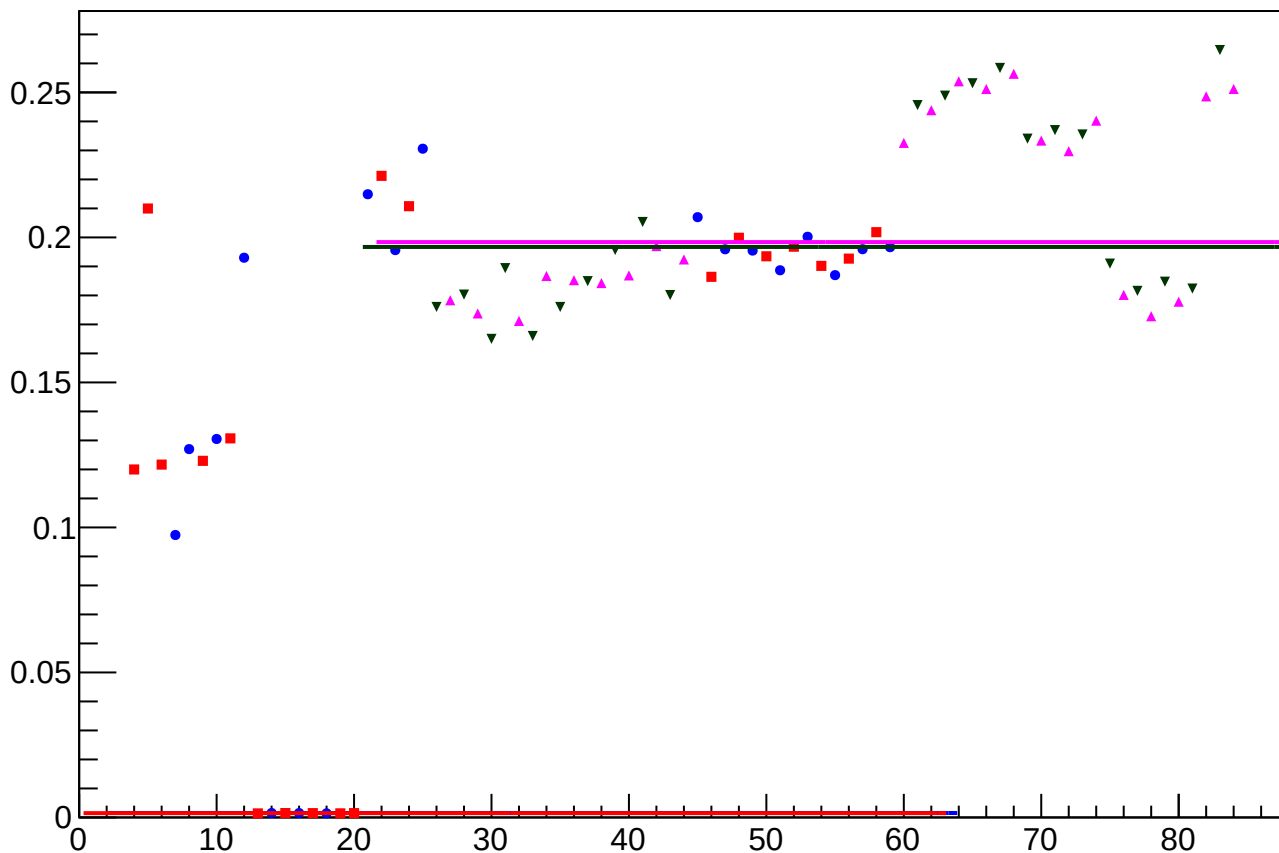
0.145+/-0.000 χ^2/NDF : 2411916907396.8/39

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: 0.197 $\pm$ 0.000 χ^2 /NDF:474429.3/21

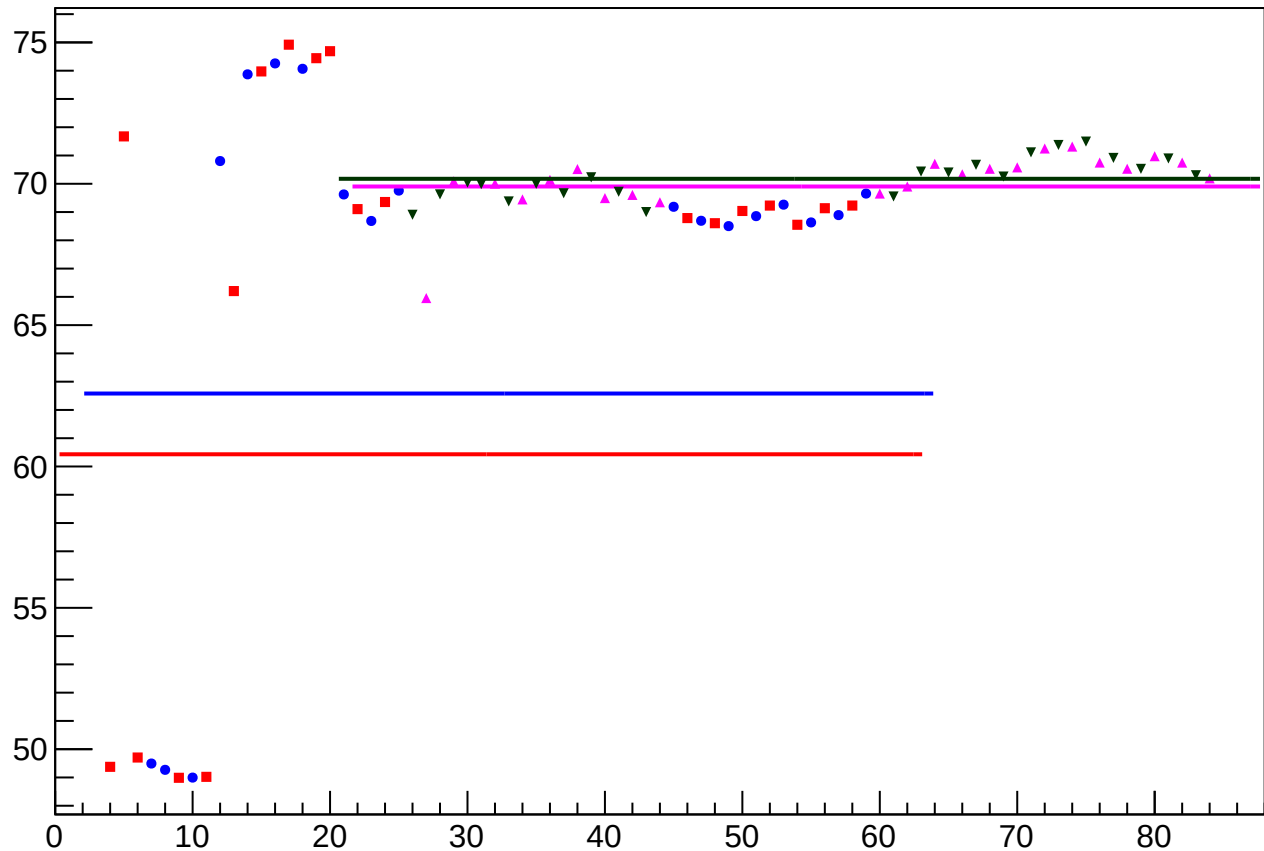
0.002 $\pm$ 0.000 χ^2 /NDF: 38825789.4/39

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: 70.176+/-0.000 χ^2/NDF : 127962186.7/21

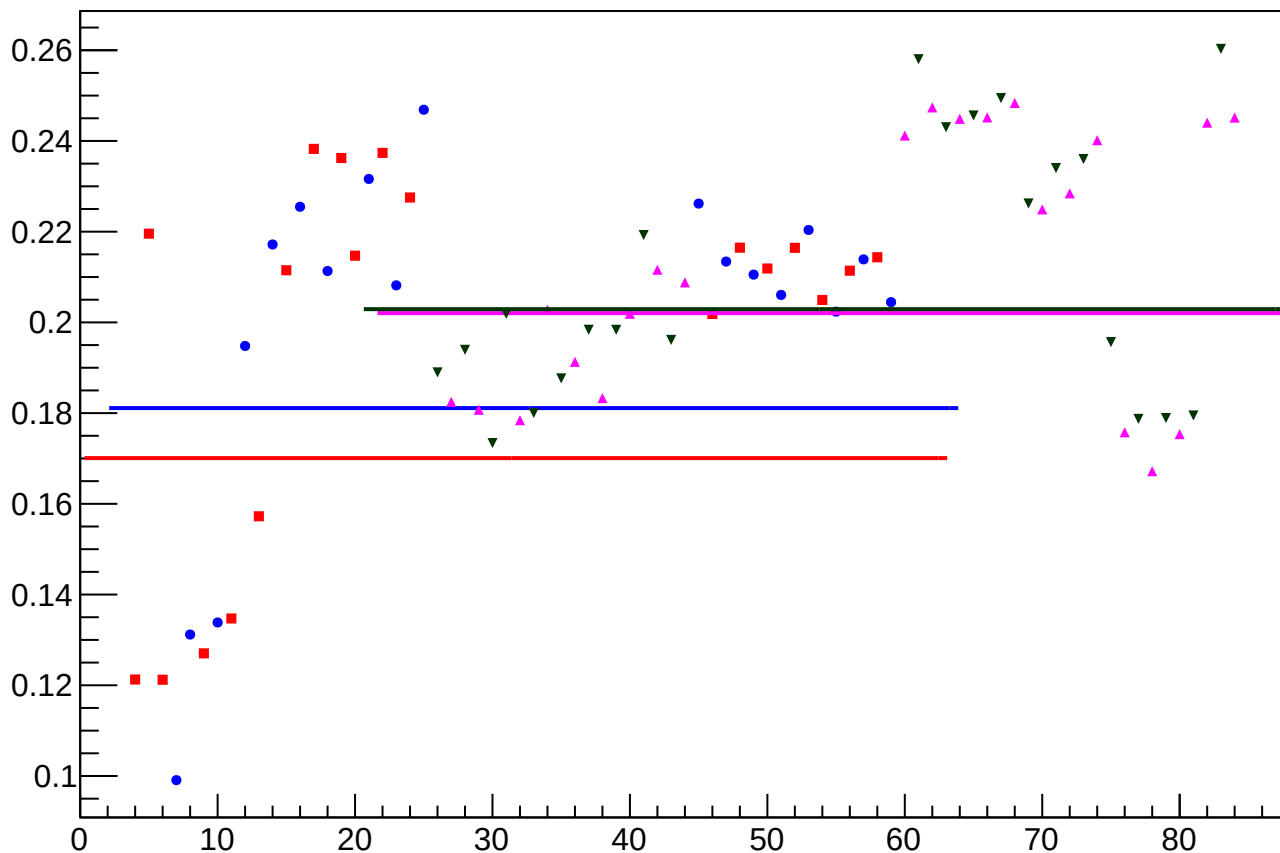
66.066+/-0.000 χ^2/NDF : 42118267444.6/39

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

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

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

yield_bcm_dg_us_rms vs slug



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

Left Out: 0.203+/-0.000 χ^2/NDF : 351383.2/21

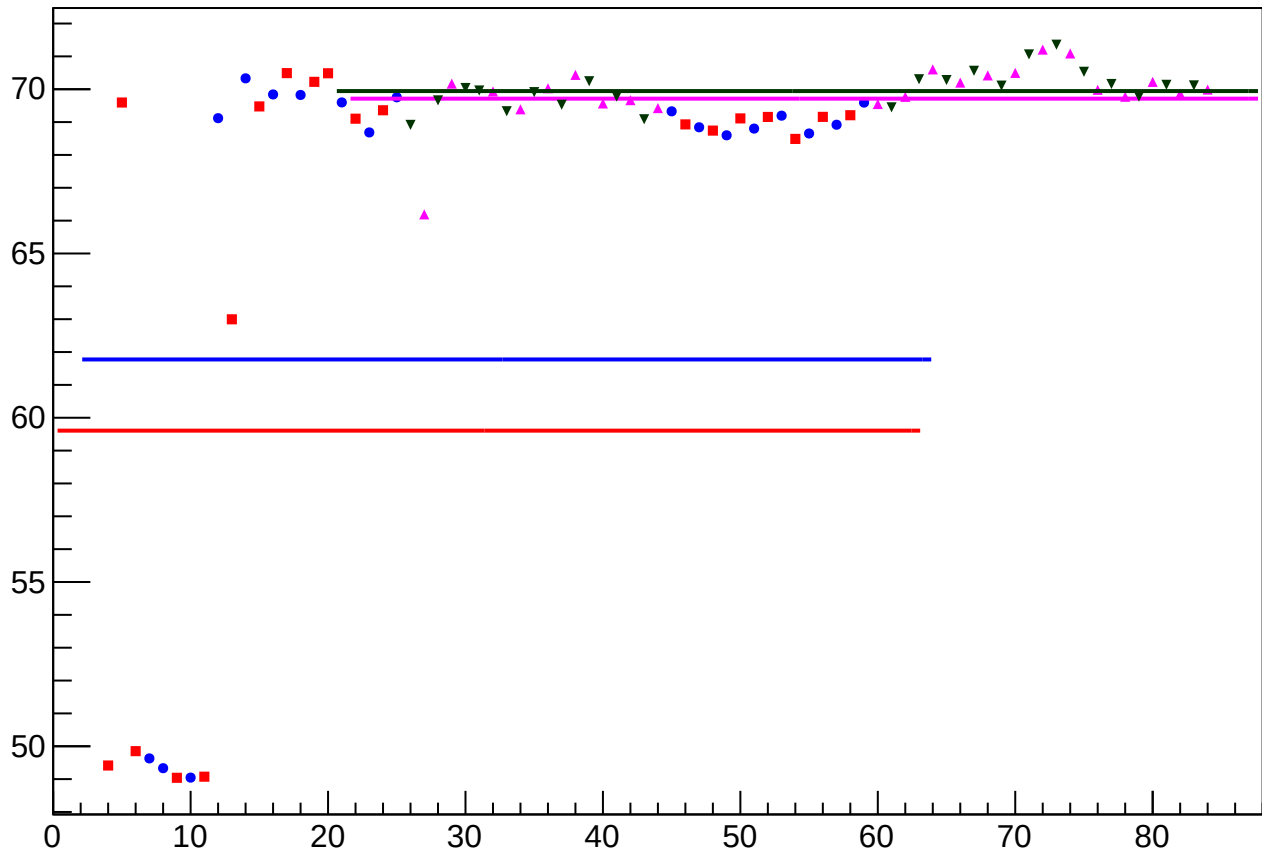
Right Out: 0.170+/-0.000 χ^2/NDF : 1183604.4/18

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

0.191+/-0.000 χ^2/NDF : 1704623.5/39

0.186+/-0.000 χ^2/NDF : 1931227.4/40

yield_bcm_dg_ds_mean vs slug



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

Left Out: 69.944 $\pm$ 0.000 χ^2/NDF : 78620049.9/21

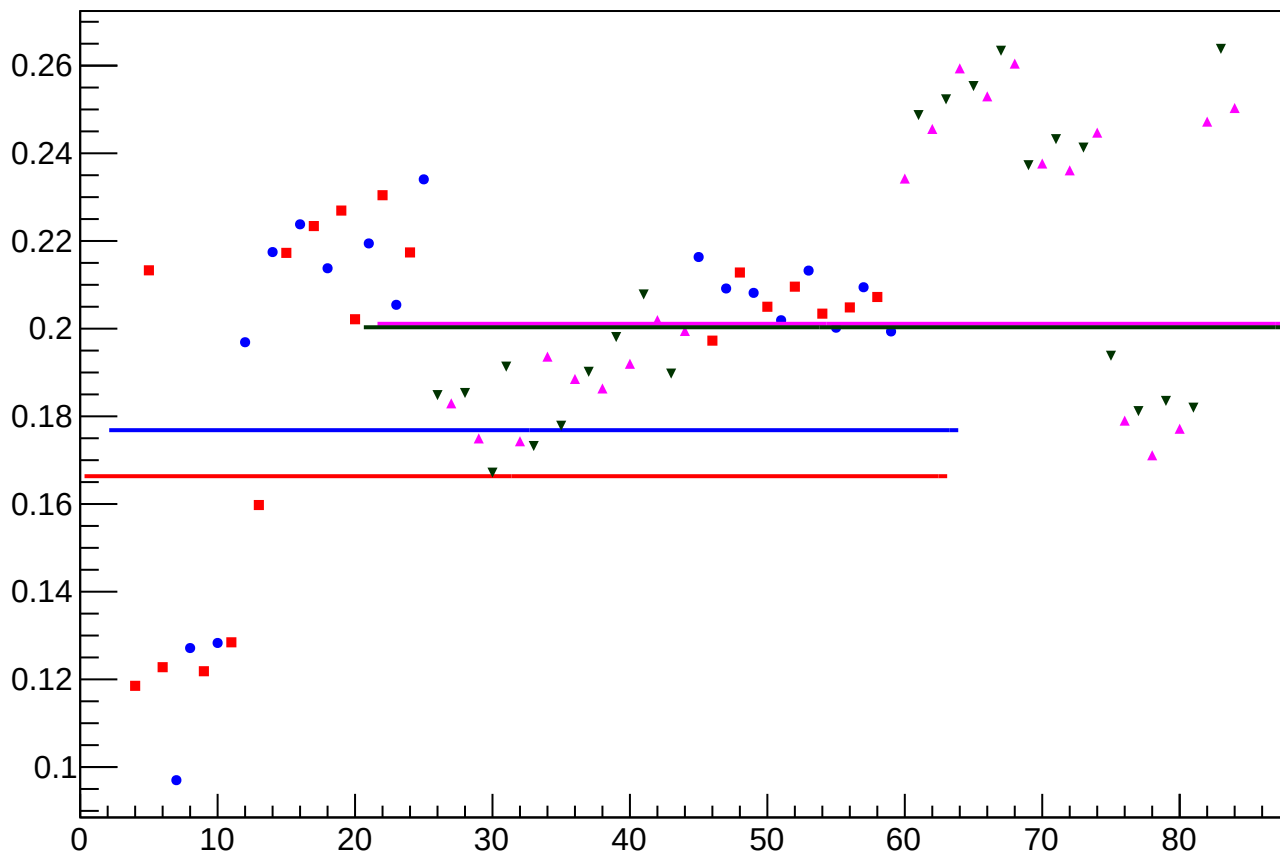
65.473 $\pm$ 0.000 χ^2/NDF : 40977398798.7/39

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

64.411 $\pm$ 0.000 χ^2/NDF : 45481545563.9/40

Left In: 69.713 $\pm$ 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: 0.200+/-0.000 χ^2/NDF : 457744.2/21

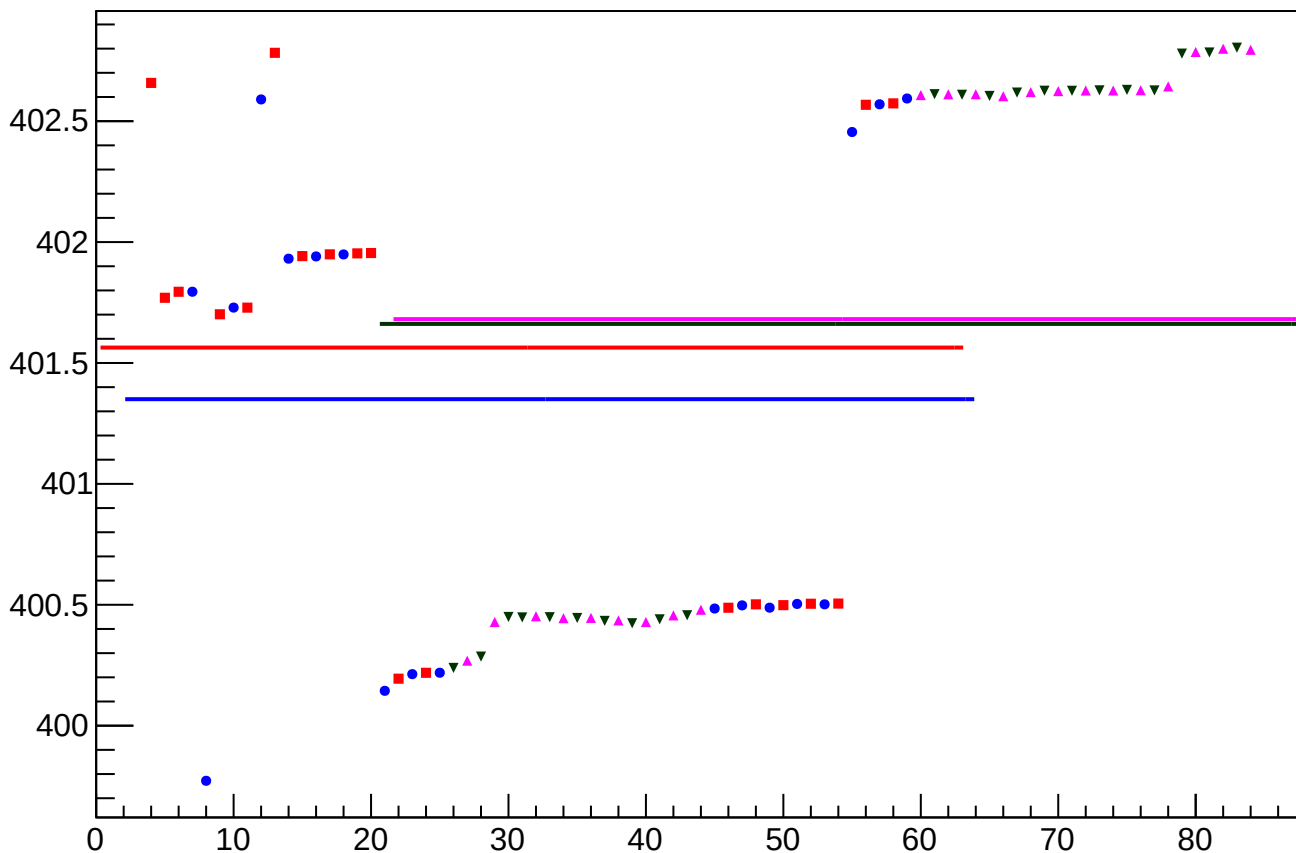
Right Out: 0.166+/-0.000 χ^2/NDF : 1156468.8/18

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

0.187+/-0.000 χ^2/NDF : 1898373.9/39

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: 401.662+/-0.000 χ^2/NDF : 330646951800.1/21

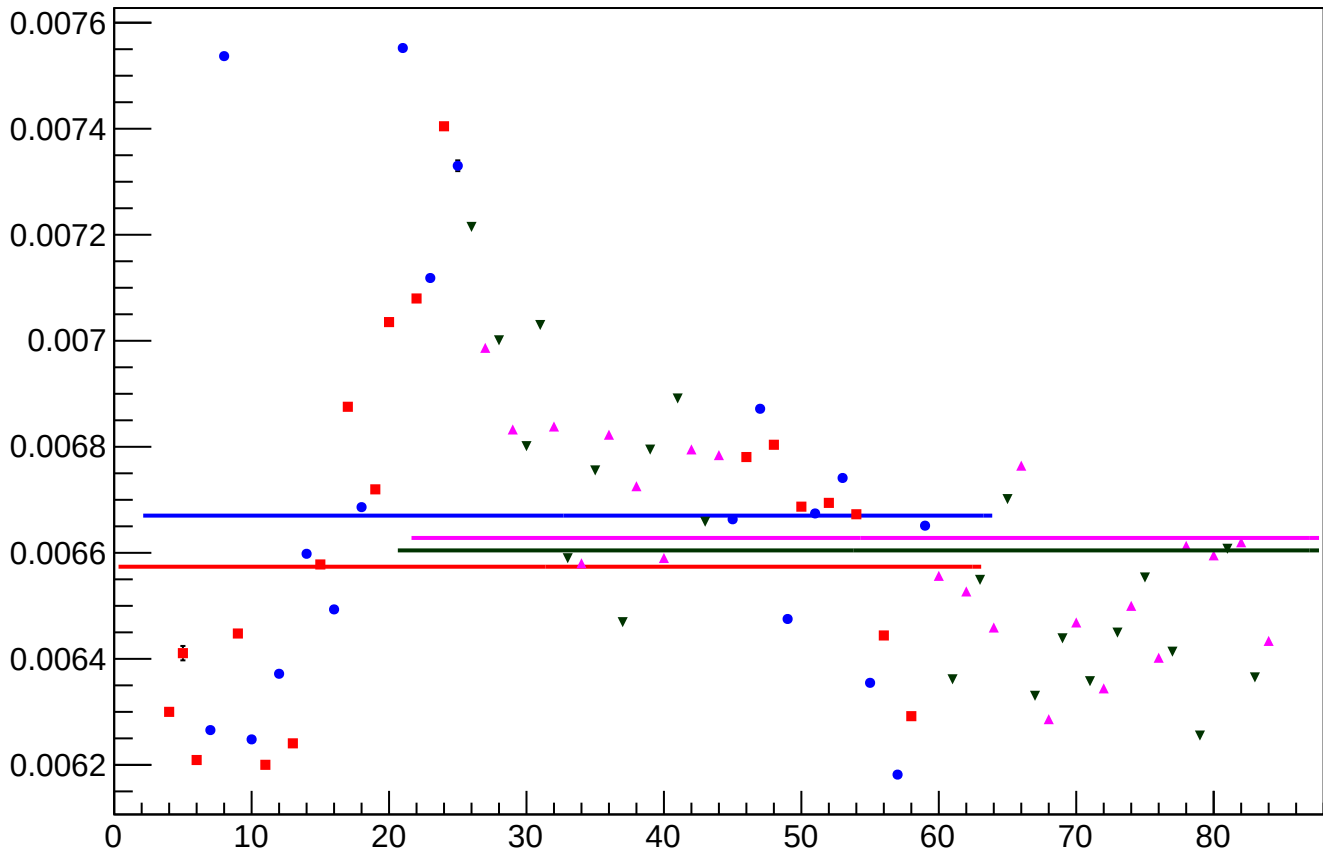
Right Out: 401.564+/-0.000 χ^2/NDF : 183973928948.5/18

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

401.509+/-0.000 χ^2/NDF : 578176052828.6/39

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 : 31575.9/21

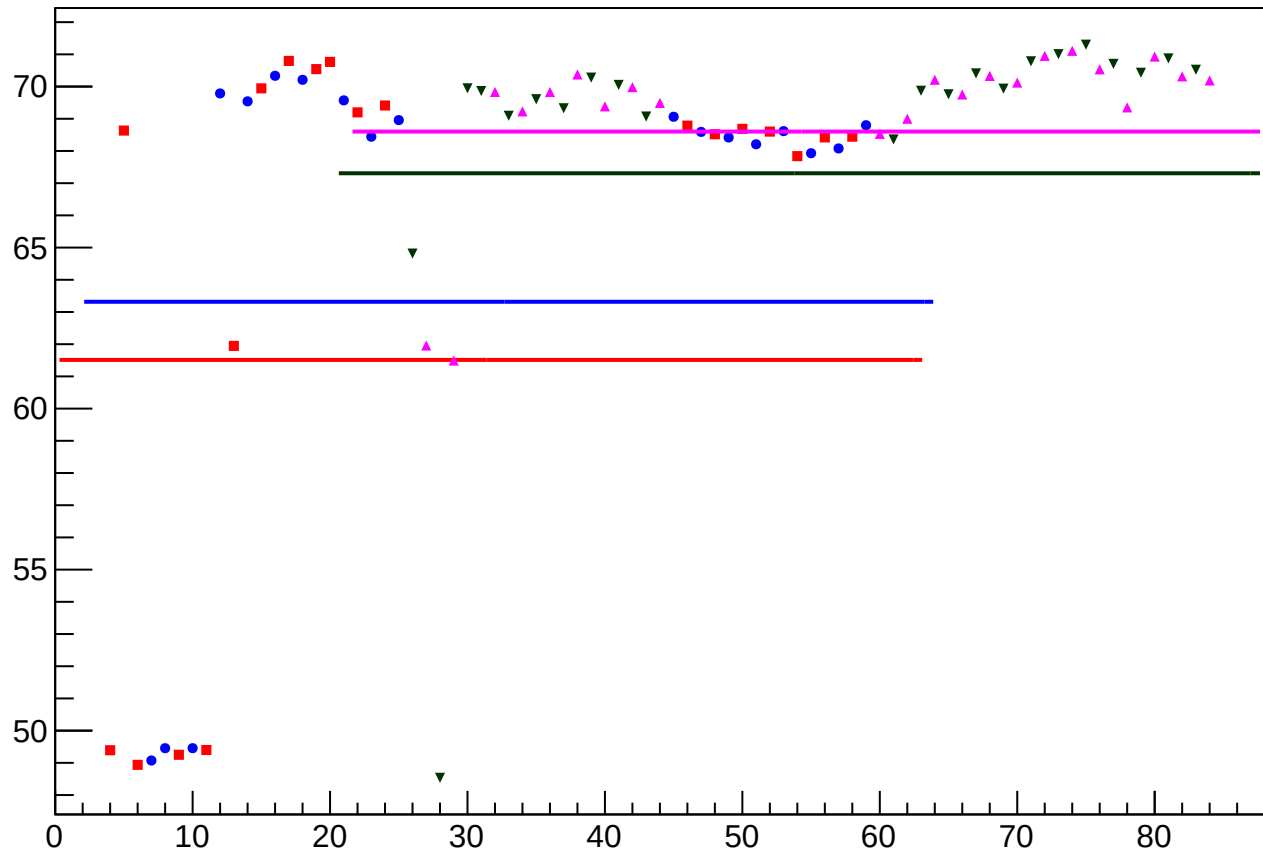
0.007+/-0.000 χ^2/NDF : 109363.2/39

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: 67.308+/-0.000 χ^2/NDF : 10705257869.4/21

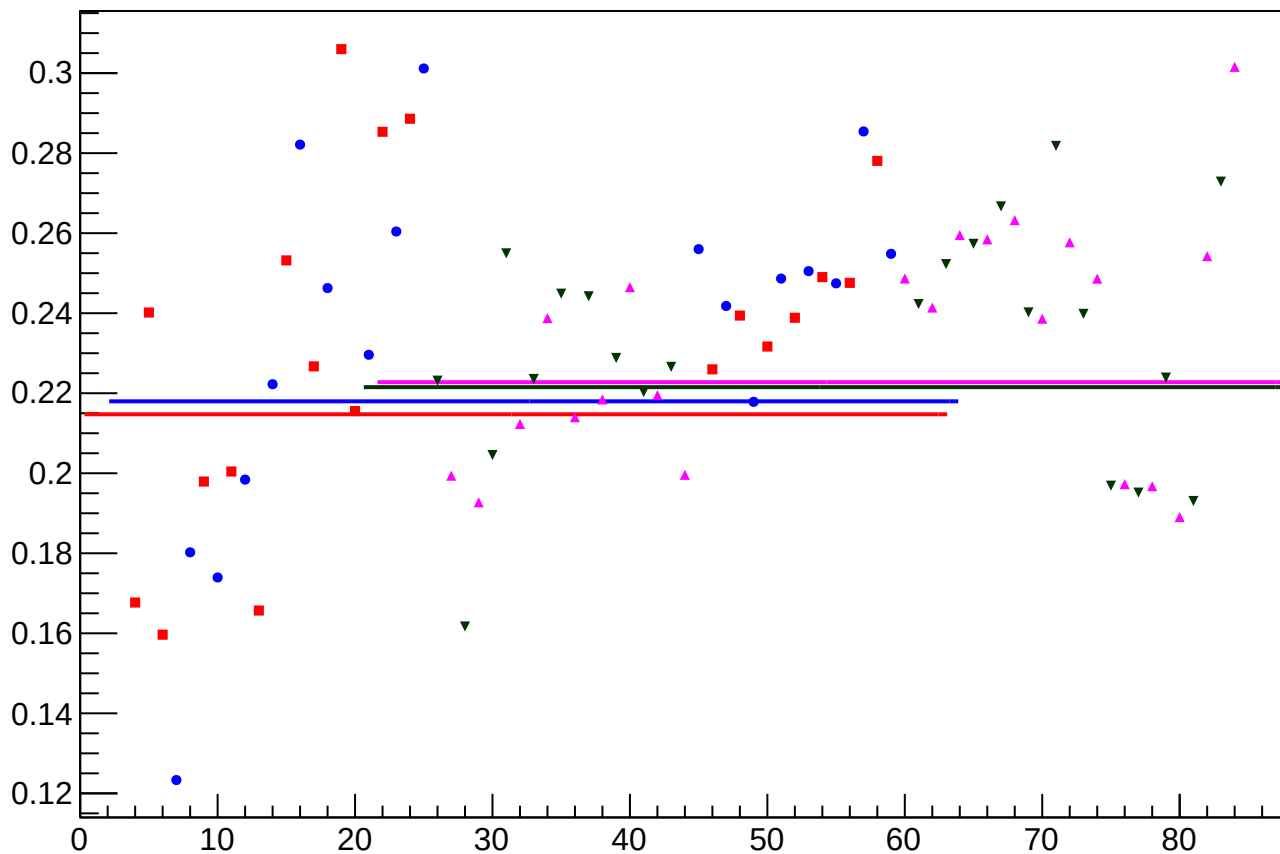
65.328+/-0.000 χ^2/NDF : 29448840257.0/39

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 $\pm$ 0.000 χ^2 /NDF: 734629.1/17

Left Out: 0.222 $\pm$ 0.000 χ^2 /NDF:439990.6/21

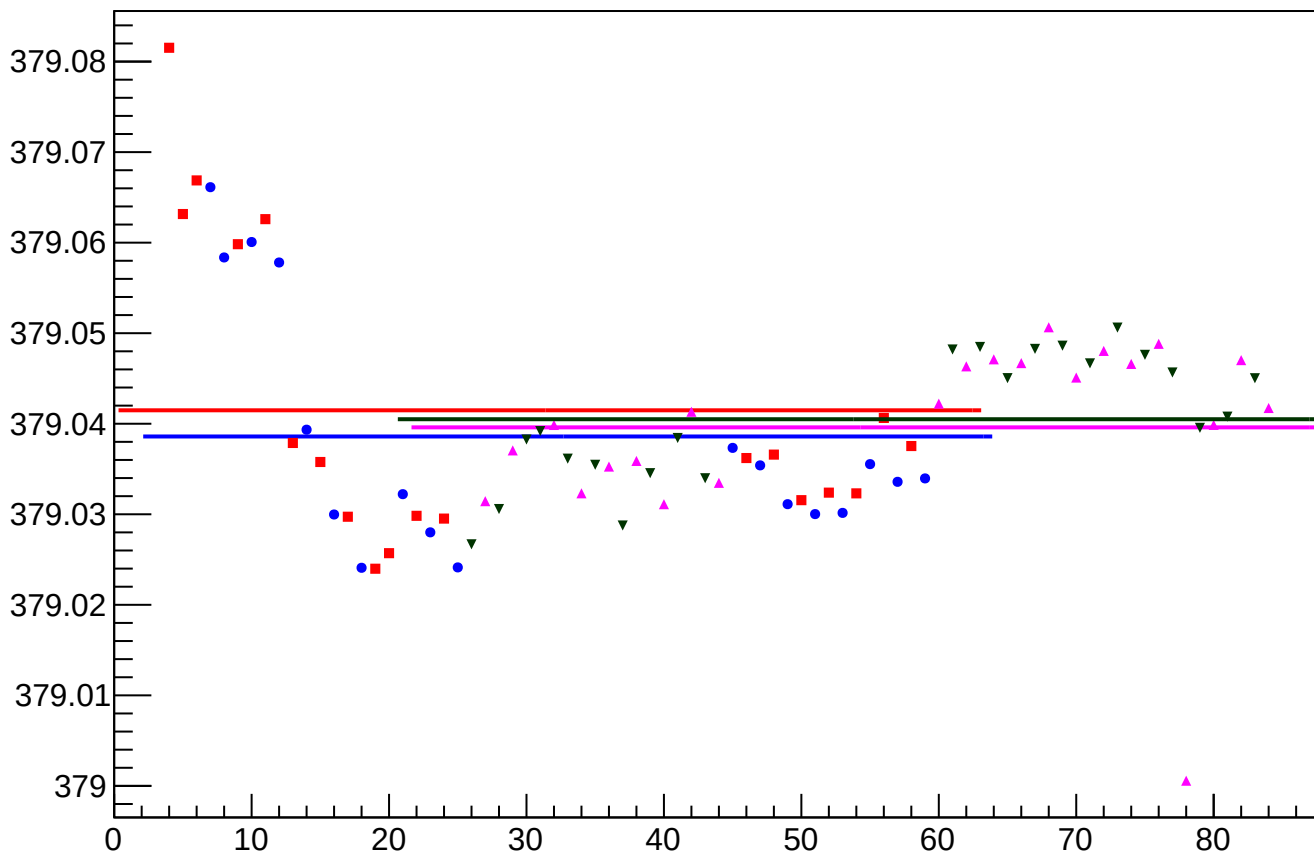
Right Out: 0.215 $\pm$ 0.000 χ^2 /NDF: 631176.3/18

Left In: 0.223 $\pm$ 0.000 χ^2 /NDF:351956.9/21

0.220 $\pm$ 0.000 χ^2 /NDF: 1177301.8/39

0.219 $\pm$ 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:12101755.0/21

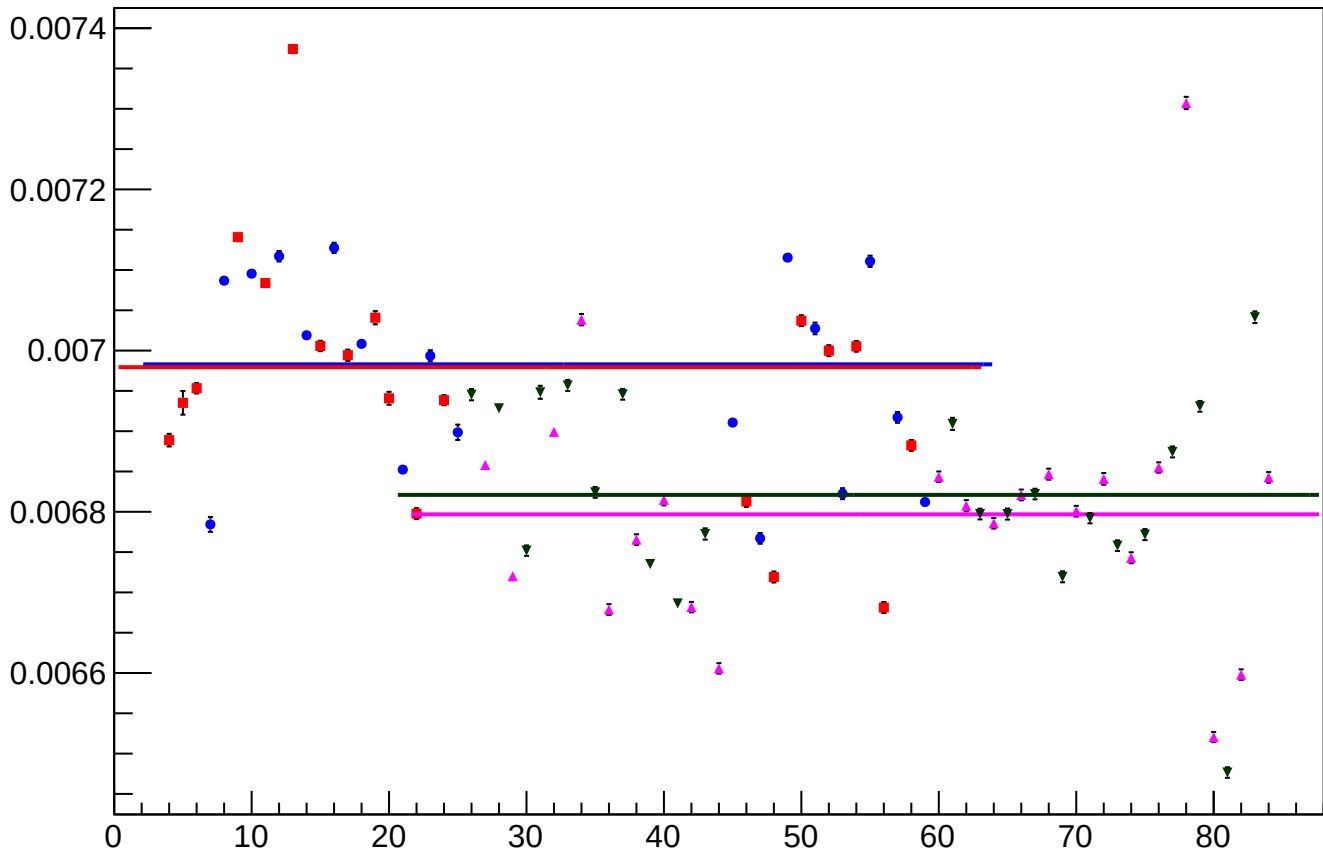
379.040 $\pm$ 0.000 χ^2 /NDF: 46310805.1/39

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

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

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

yield_cav4dQ_rms vs slug



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

Left Out: 0.007 ± 0.000 χ^2/NDF : 7091.7/21

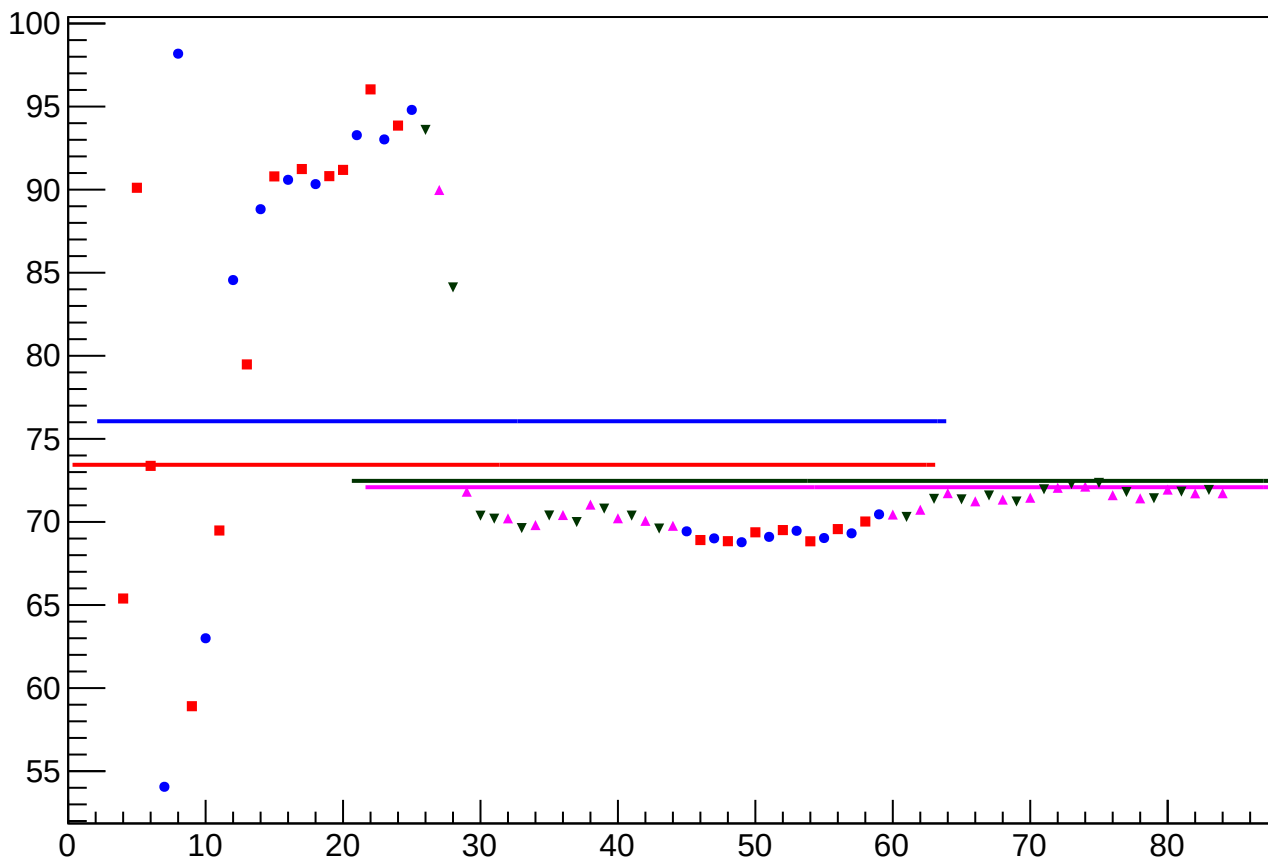
0.007 ± 0.000 χ^2/NDF : 20044.0/39

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

0.007 ± 0.000 χ^2/NDF : 30577.6/40

Left In: 0.007 ± 0.000 χ^2/NDF : 11095.8/21

yield_bcm0l02_mean vs slug



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

Left Out: 72.472 $\pm$ 0.000 χ^2 /NDF: 3834823311.0/21

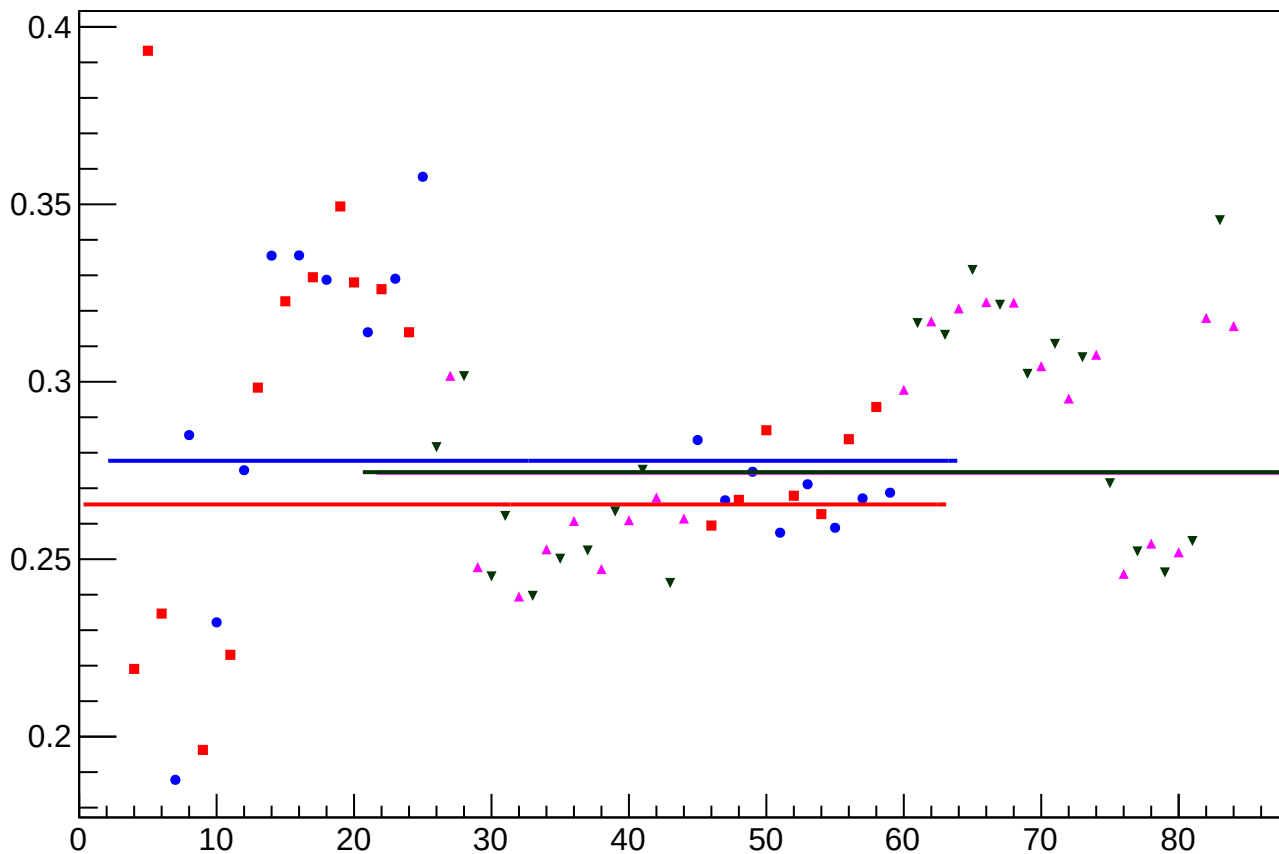
Right Out: 73.439 $\pm$ 0.000 χ^2 /NDF: 14741427319.0/18

Left In: 72.090 $\pm$ 0.000 χ^2 /NDF: 2991859638.8/21

74.211 $\pm$ 0.000 χ^2 /NDF: 25502618591.5/39

72.695 $\pm$ 0.000 χ^2 /NDF: 17858515947.0/40

yield_bcm0l02_rms vs slug



Right In: 0.278+/-0.000 χ^2/NDF : 370245.0/17

Left Out: 0.275+/-0.000 χ^2/NDF : 258909.2/21

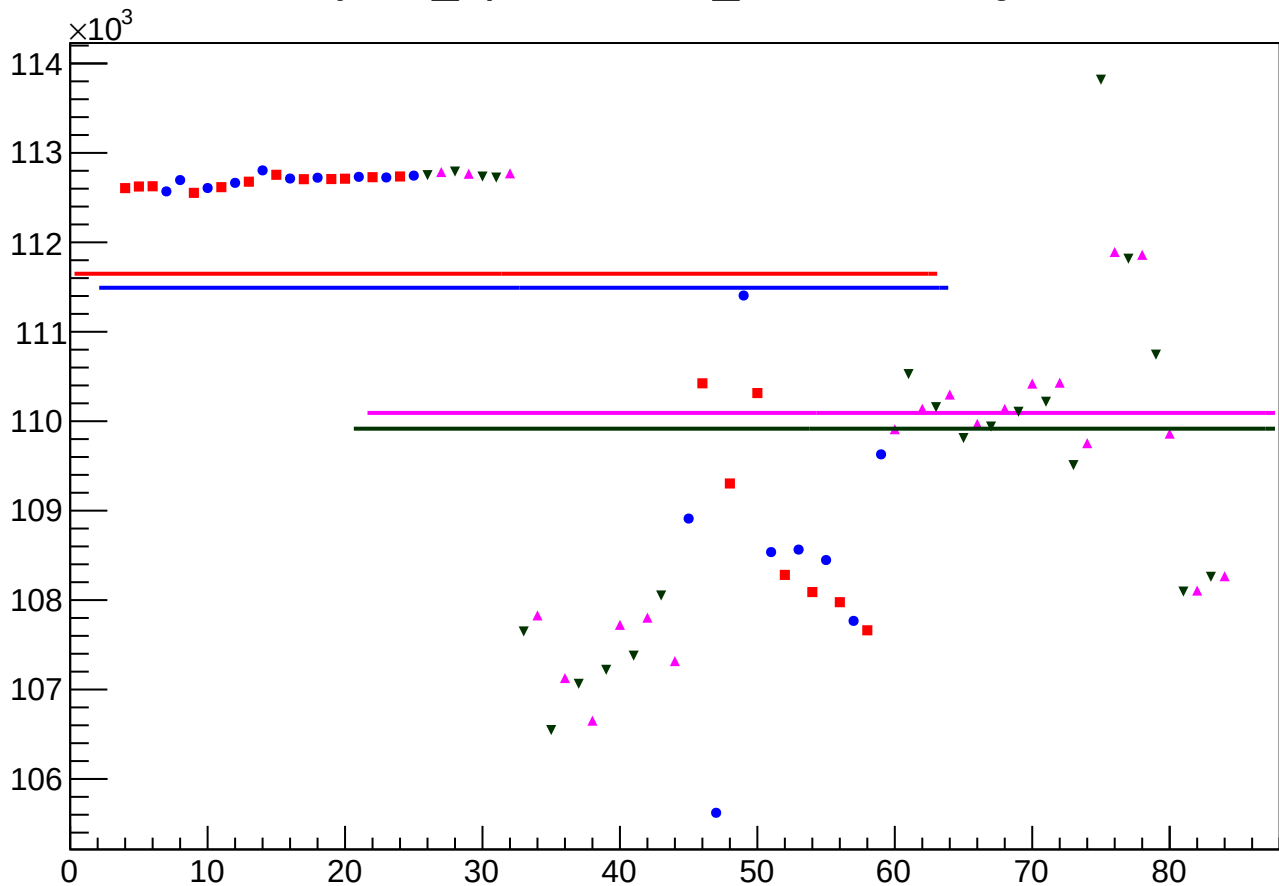
Right Out: 0.265+/-0.000 χ^2/NDF : 503582.7/18

Left In: 0.274+/-0.000 χ^2/NDF : 271519.9/21

0.276+/-0.000 χ^2/NDF : 630562.1/39

0.270+/-0.000 χ^2/NDF : 786086.6/40

yield_bpm2i01WS_mean vs slug



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

Left Out: 109916.505 $\pm$ 0.039 χ^2 /NDF: 3255785064.4/21

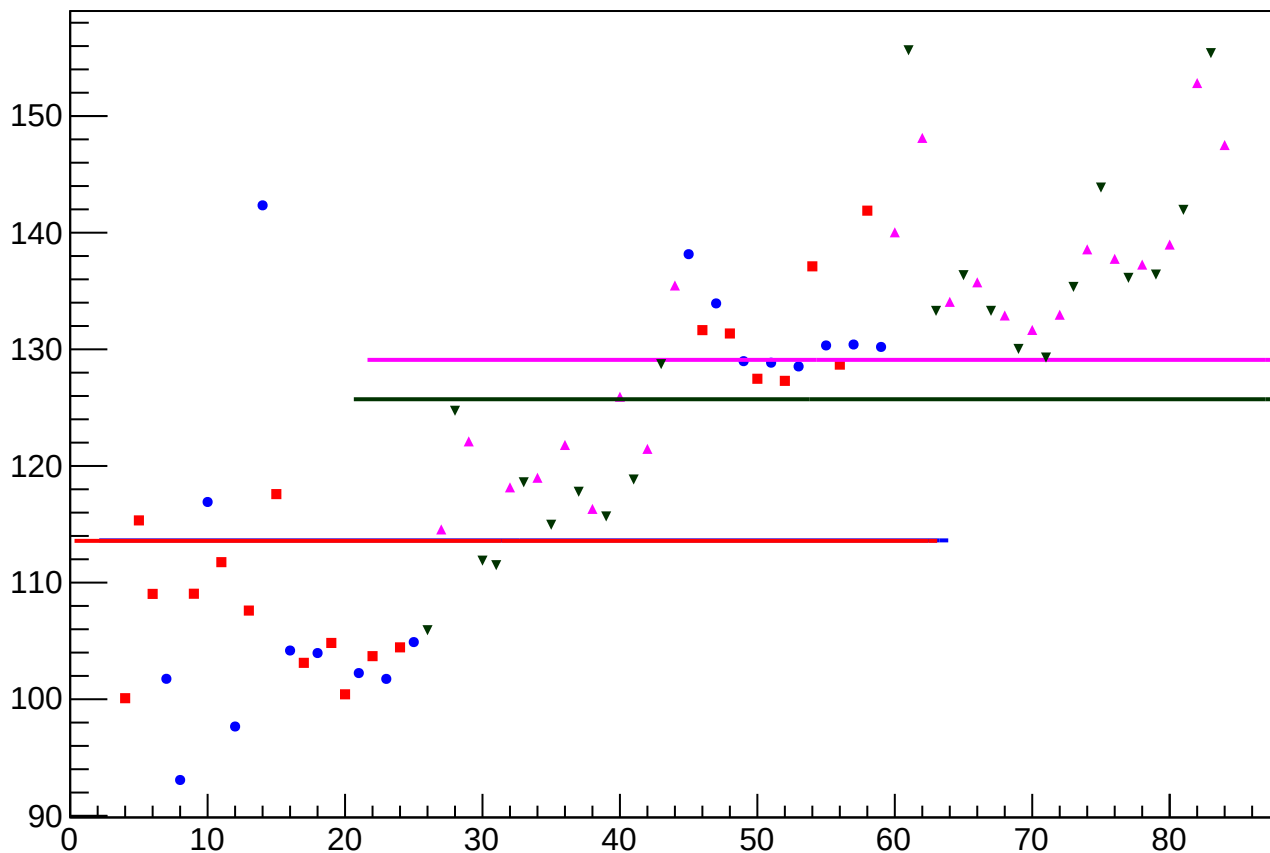
Right Out: 111648.935 $\pm$ 0.037 χ^2 /NDF: 2298631932.7/18

Left In: 110092.758 $\pm$ 0.038 χ^2 /NDF: 2933755433.8/21

110792.935 $\pm$ 0.026 χ^2 /NDF: 7329856564.3/39

110893.578 $\pm$ 0.027 χ^2 /NDF: 6080174182.7/40

yield_bpm2i01WS_rms vs slug



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

Left Out: 125.721 $\pm$ 0.028 χ^2 /NDF:197071.3/21

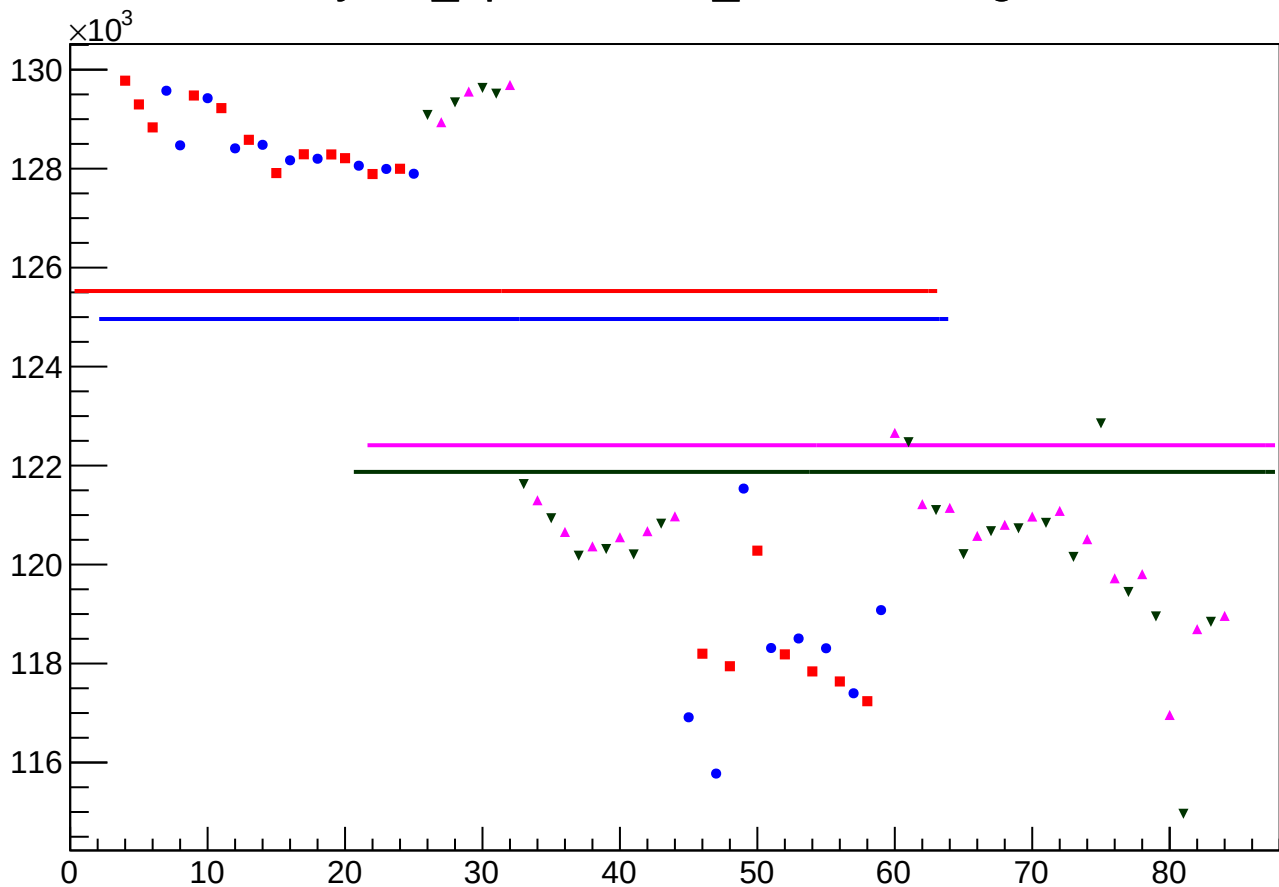
Right Out: 113.579 $\pm$ 0.026 χ^2 /NDF: 206805.2/18

Left In: 129.097 $\pm$ 0.027 χ^2 /NDF:151755.7/21

118.990 $\pm$ 0.018 χ^2 /NDF: 725872.4/39

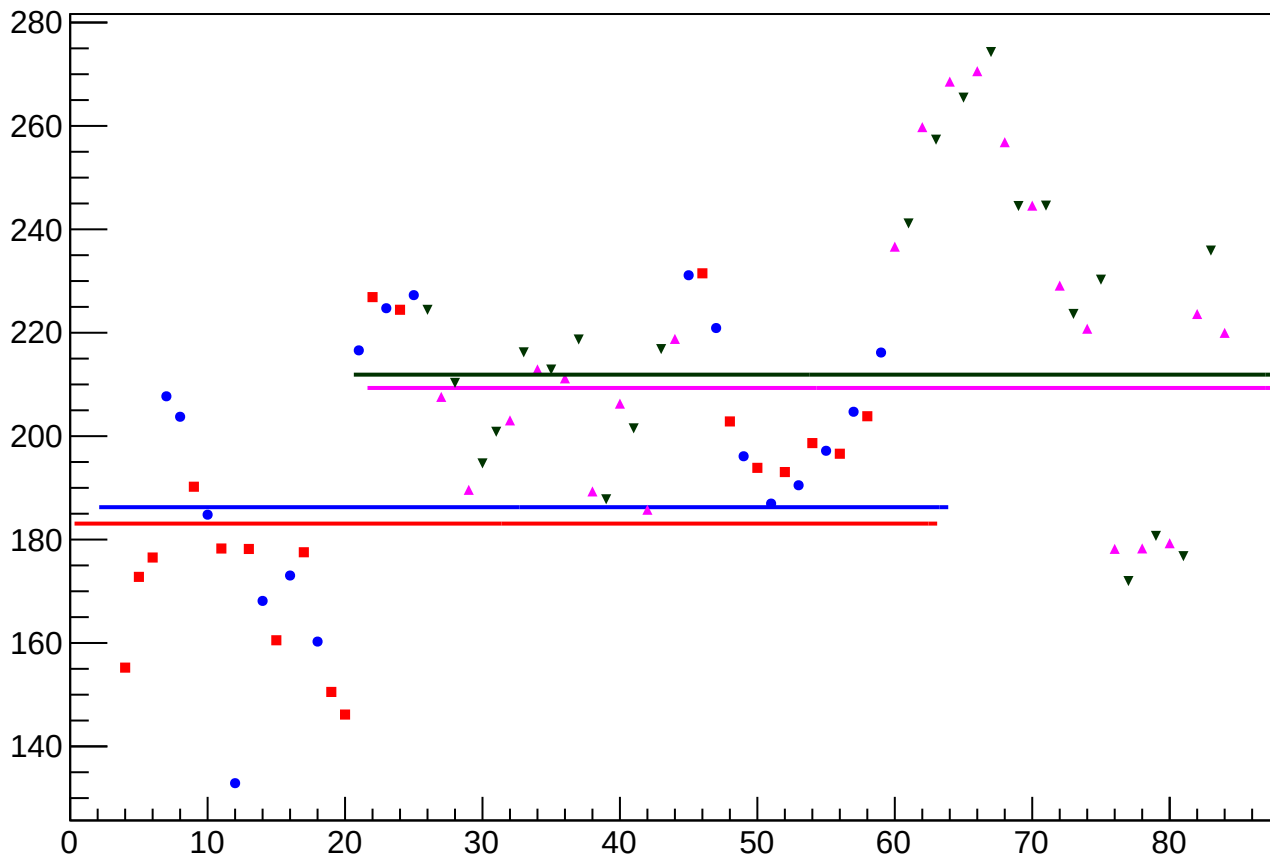
121.111 $\pm$ 0.019 χ^2 /NDF: 527147.6/40

yield_bpm0i07WS_mean vs slug



Right In: 124961.680 $\pm$ 0.057	χ^2 /NDF: 7216201458.1/17	123601.122 $\pm$ 0.042	χ^2 /NDF: 12555621559.3/3
Left Out: 121872.352 $\pm$ 0.064	χ^2 /NDF: 4035978515.4/21		
Right Out: 125527.018 $\pm$ 0.060	χ^2 /NDF: 6545248421.9/18	123996.293 $\pm$ 0.042	χ^2 /NDF: 12405348098.4/4
Left In: 122411.041 $\pm$ 0.061	χ^2 /NDF: 4514854637.2/21		

yield_bpm0i07WS_rms vs slug



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

Left Out: 211.895 ± 0.045 χ^2/NDF : 355609.0/21

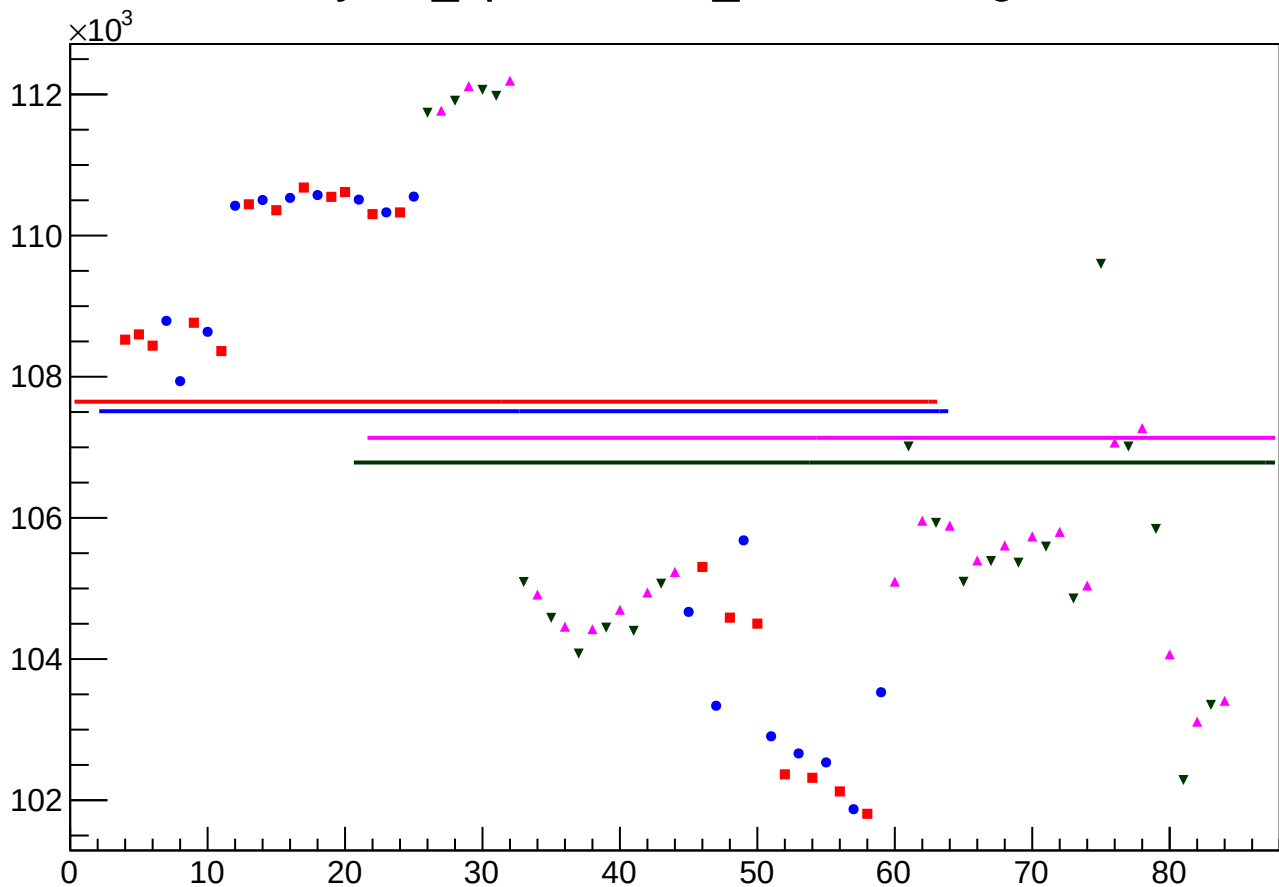
Right Out: 183.088 ± 0.042 χ^2/NDF : 276420.3/18

Left In: 209.321 ± 0.043 χ^2/NDF : 364254.0/21

197.552 ± 0.030 χ^2/NDF : 997456.6/39

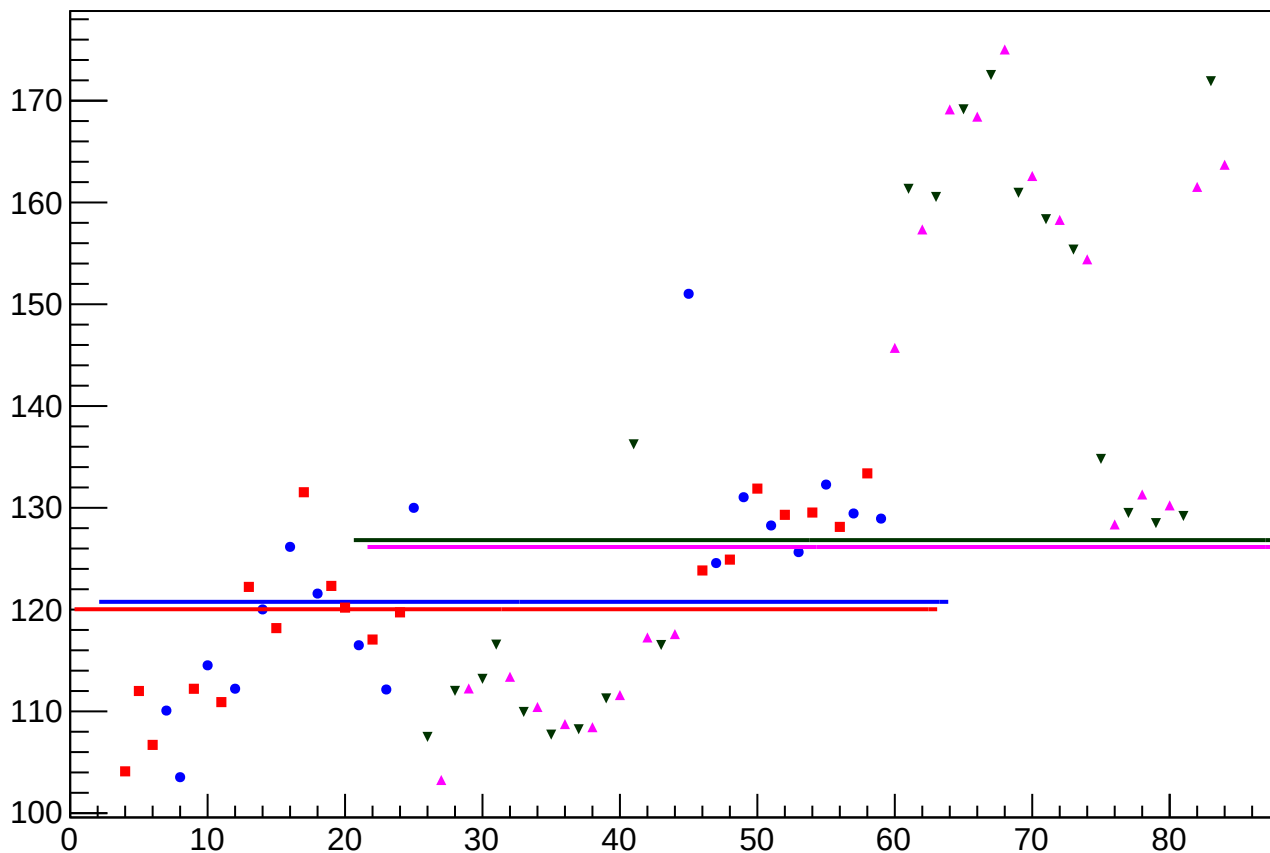
195.975 ± 0.030 χ^2/NDF : 831361.9/40

yield_bpm0l01WS_mean vs slug



Right In: 107511.375 $\pm$ 0.037 χ^2 /NDF: 7545366390.6/17
 Left Out: 106784.544 $\pm$ 0.039 χ^2 /NDF: 6773880490.6/21
 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

yield_bpm0l01WS_rms vs slug



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

Left Out: 126.828+/-0.027 χ^2/NDF : 600704.8/21

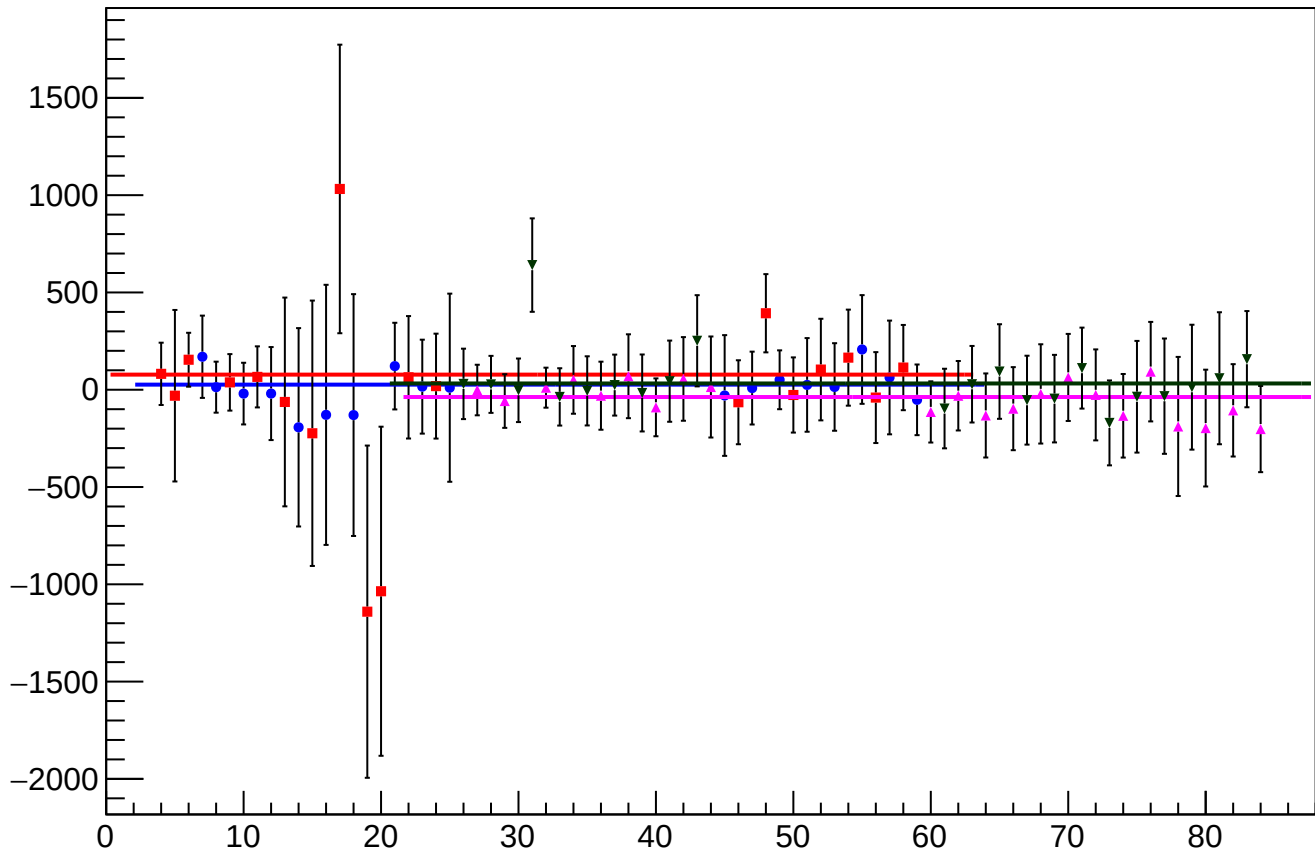
Right Out: 120.035+/-0.028 χ^2/NDF : 93920.3/18

Left In: 126.150+/-0.026 χ^2/NDF : 722124.3/21

123.631+/-0.019 χ^2/NDF : 782417.4/39

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: 32.219+/-43.639 χ^2/NDF : 9.8/21

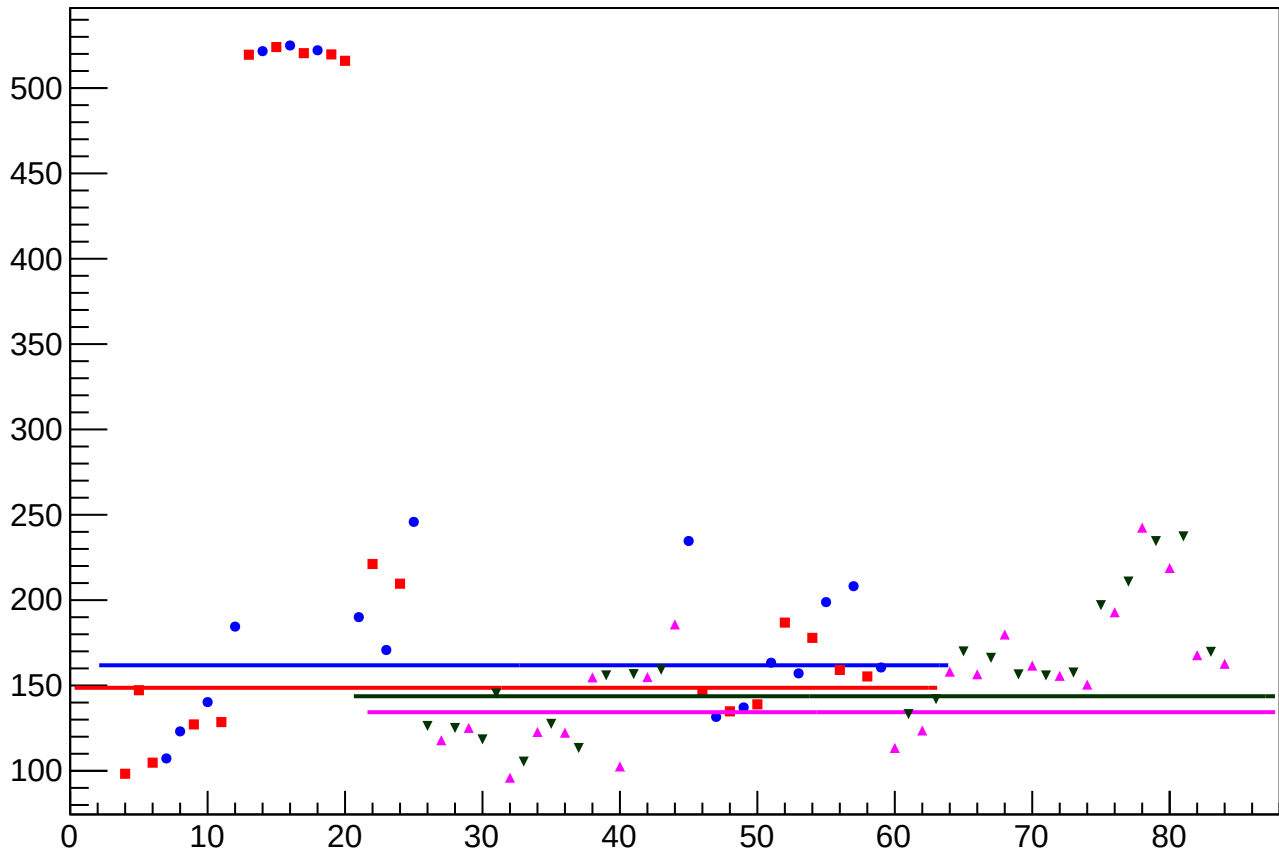
Right Out: 77.703+/-52.586 χ^2/NDF : 9.8/18

Left In: -37.445+/-39.582 χ^2/NDF : 3.5/21

29.779+/-33.562 χ^2/NDF : 11.6/39

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: 143.698 ± 0.031 χ^2/NDF : 925913.7/21

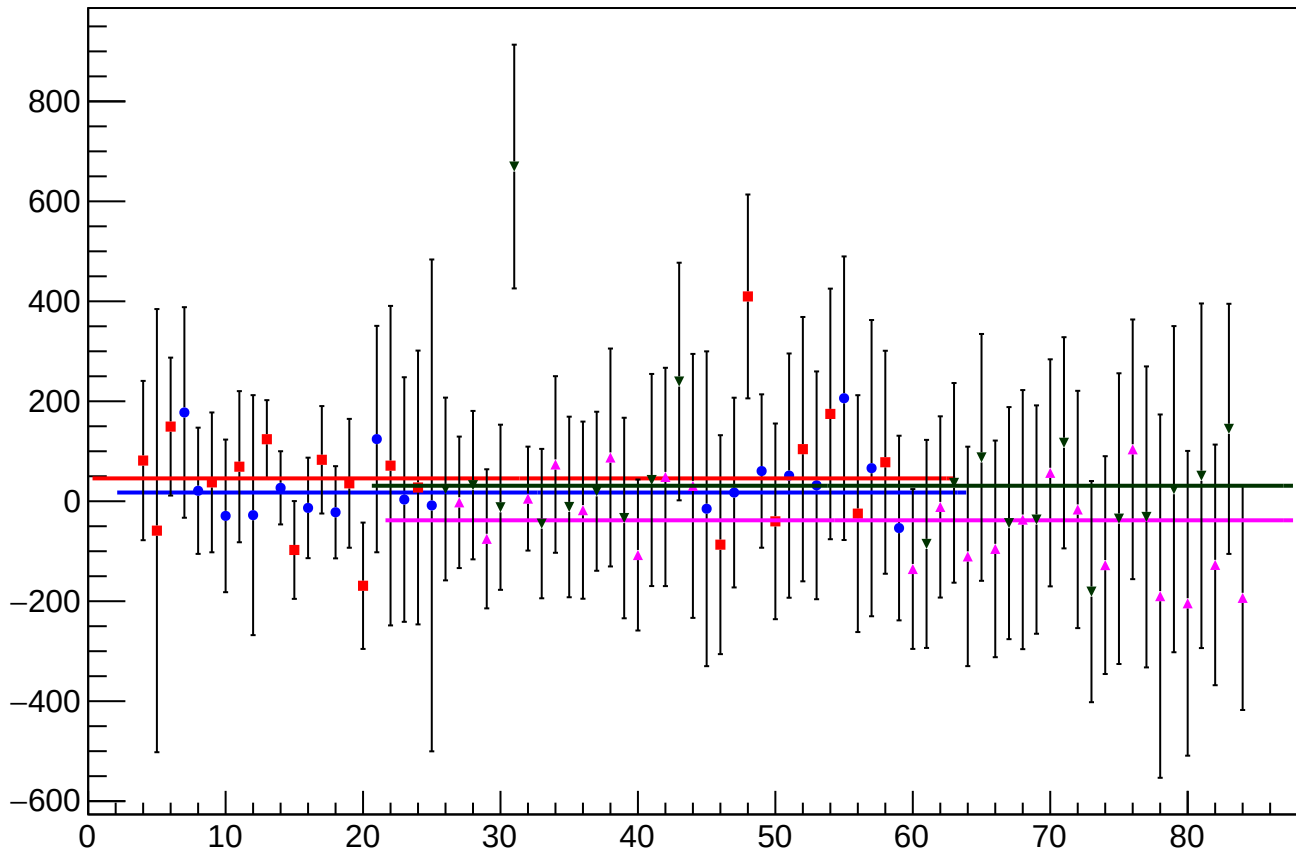
151.107 ± 0.024 χ^2/NDF : 4085897.7/39

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: 31.010 ± 44.272 $\chi^2/\text{NDF}: 10.1/21$

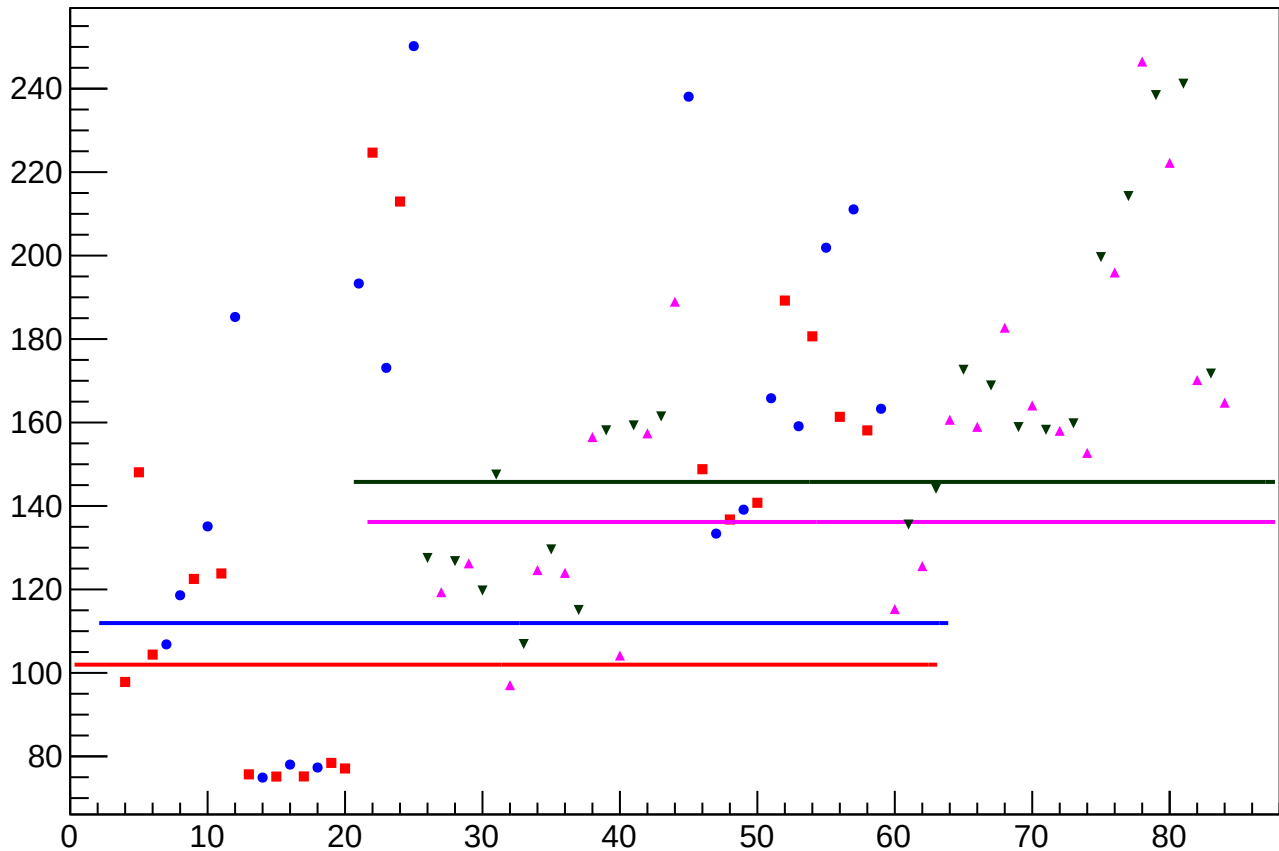
Right Out: 45.735 ± 34.677 $\chi^2/\text{NDF}: 11.0/18$

Left In: -38.124 ± 40.128 $\chi^2/\text{NDF}: 3.8/21$

22.909 ± 28.077 $\chi^2/\text{NDF}: 12.1/39$

9.884 ± 26.238 $\chi^2/\text{NDF}: 17.4/40$

asym_bcm_an_ds3_rms vs slug



Right In: 111.942+/-0.026 χ^2/NDF : 2972725.0/17

Left Out: 145.764+/-0.031 χ^2/NDF : 930819.4/21

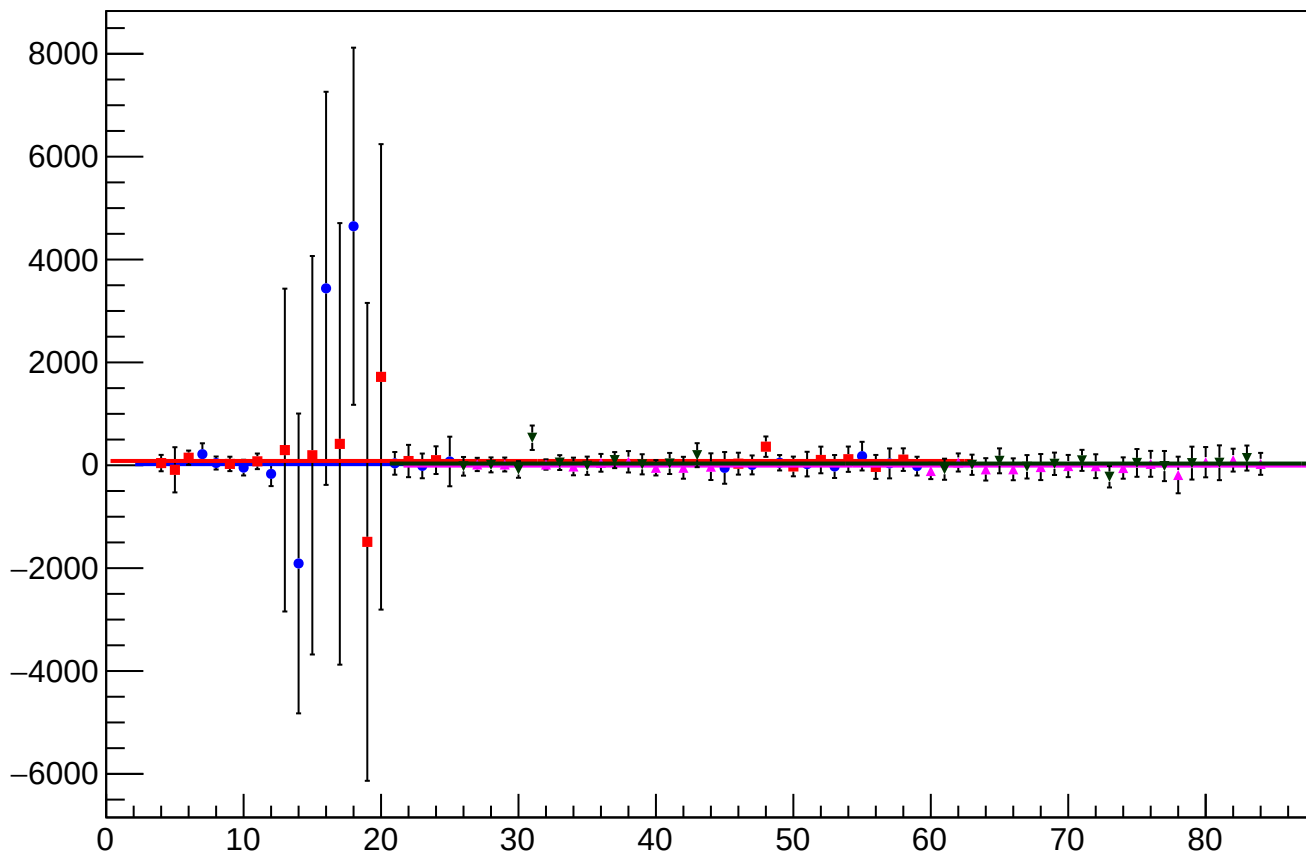
125.545+/-0.020 χ^2/NDF : 4601342.2/39

Right Out: 101.974+/-0.025 χ^2/NDF : 2271871.2/18

116.592+/-0.019 χ^2/NDF : 4386239.4/40

Left In: 136.168+/-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: 33.805+/-43.129 χ^2/NDF : 8.1/21

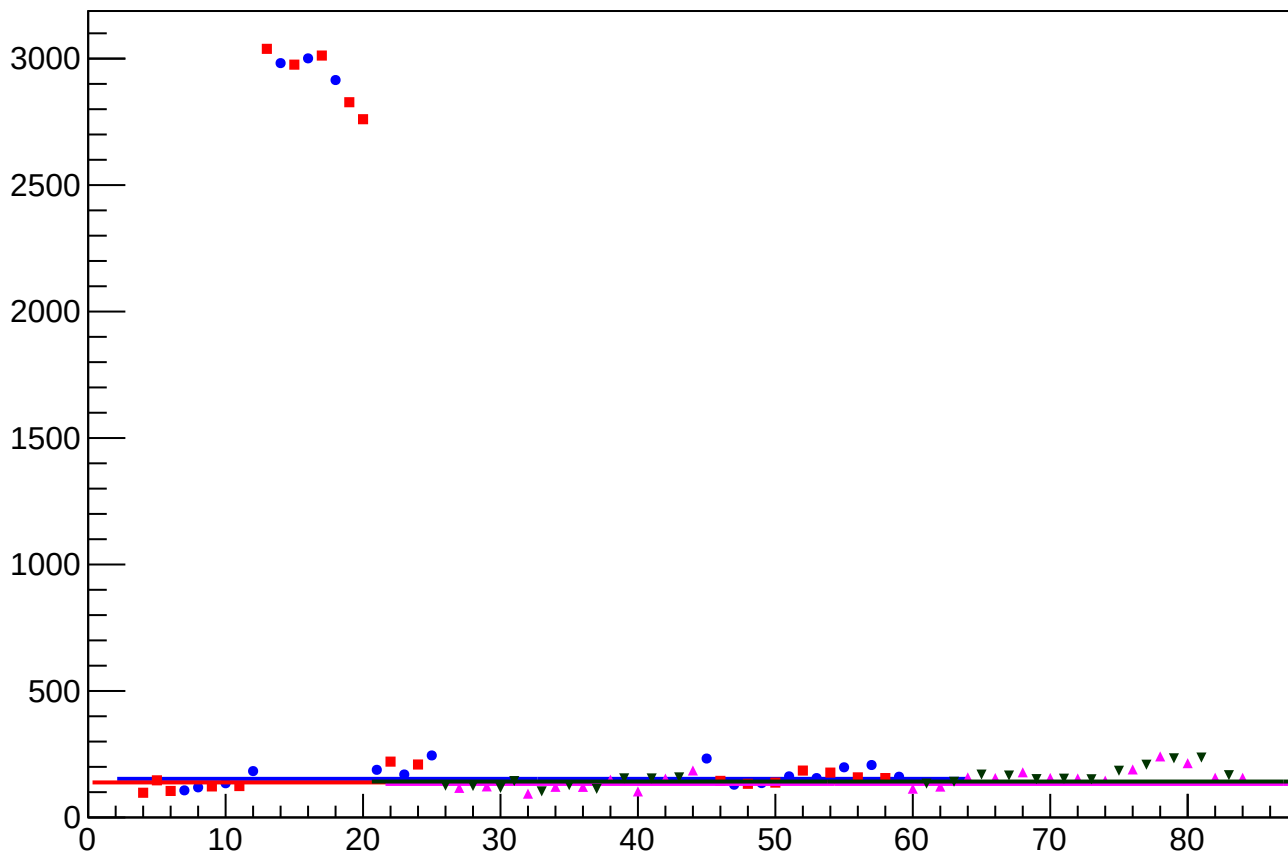
Right Out: 84.092+/-52.636 χ^2/NDF : 3.5/18

Left In: -6.469+/-39.000 χ^2/NDF : 1.9/21

28.941+/-33.291 χ^2/NDF : 13.4/39

25.628+/-31.336 χ^2/NDF : 7.3/40

asym_bcm_an_us_rms vs slug



Right In: 152.628+/-0.037 χ^2/NDF : 5017627.8/17

Left Out: 141.997+/-0.030 χ^2/NDF : 909329.1/21

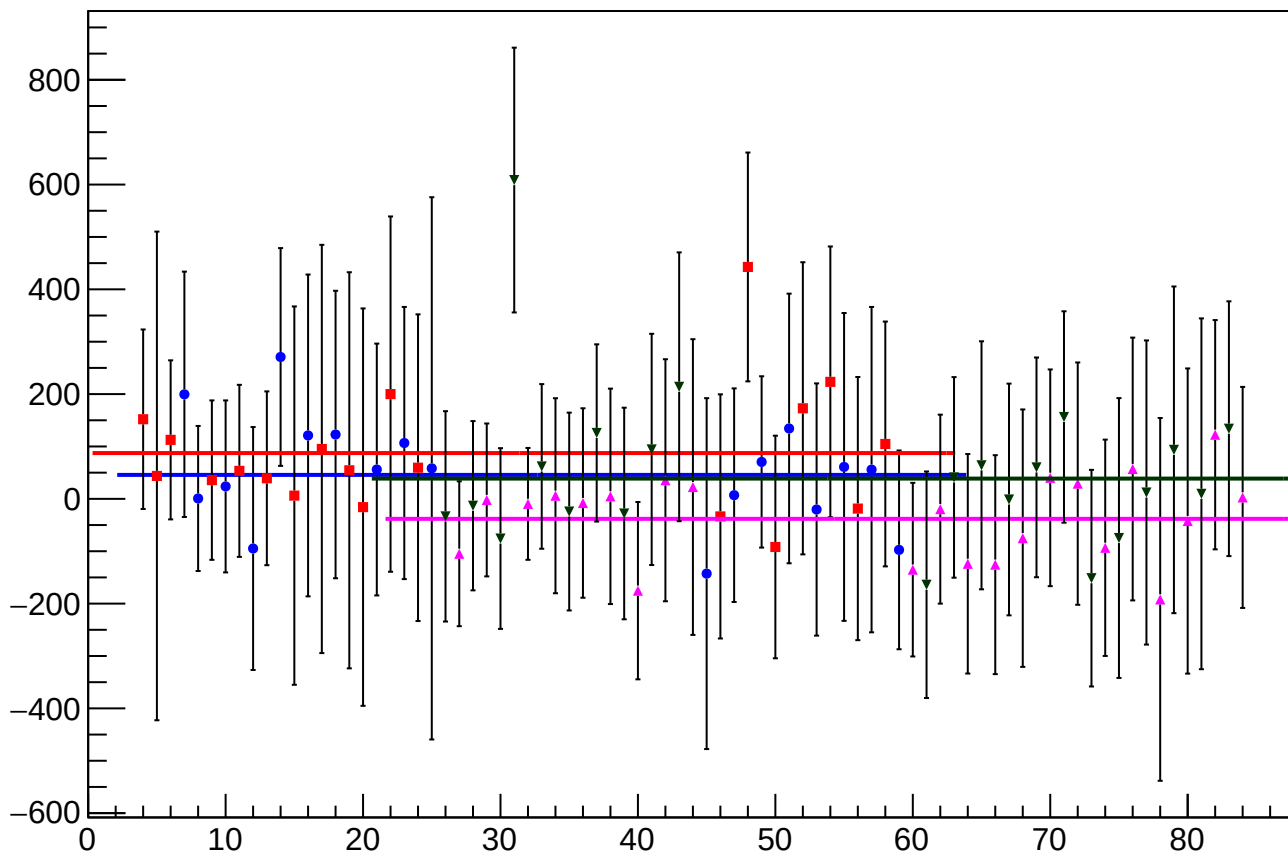
Right Out: 138.455+/-0.037 χ^2/NDF : 5734578.9/18

Left In: 132.462+/-0.028 χ^2/NDF : 1246398.2/21

146.294+/-0.024 χ^2/NDF : 5976071.1/39

134.586+/-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: 38.683 $\pm$ 44.917 χ^2 /NDF:9.3/21

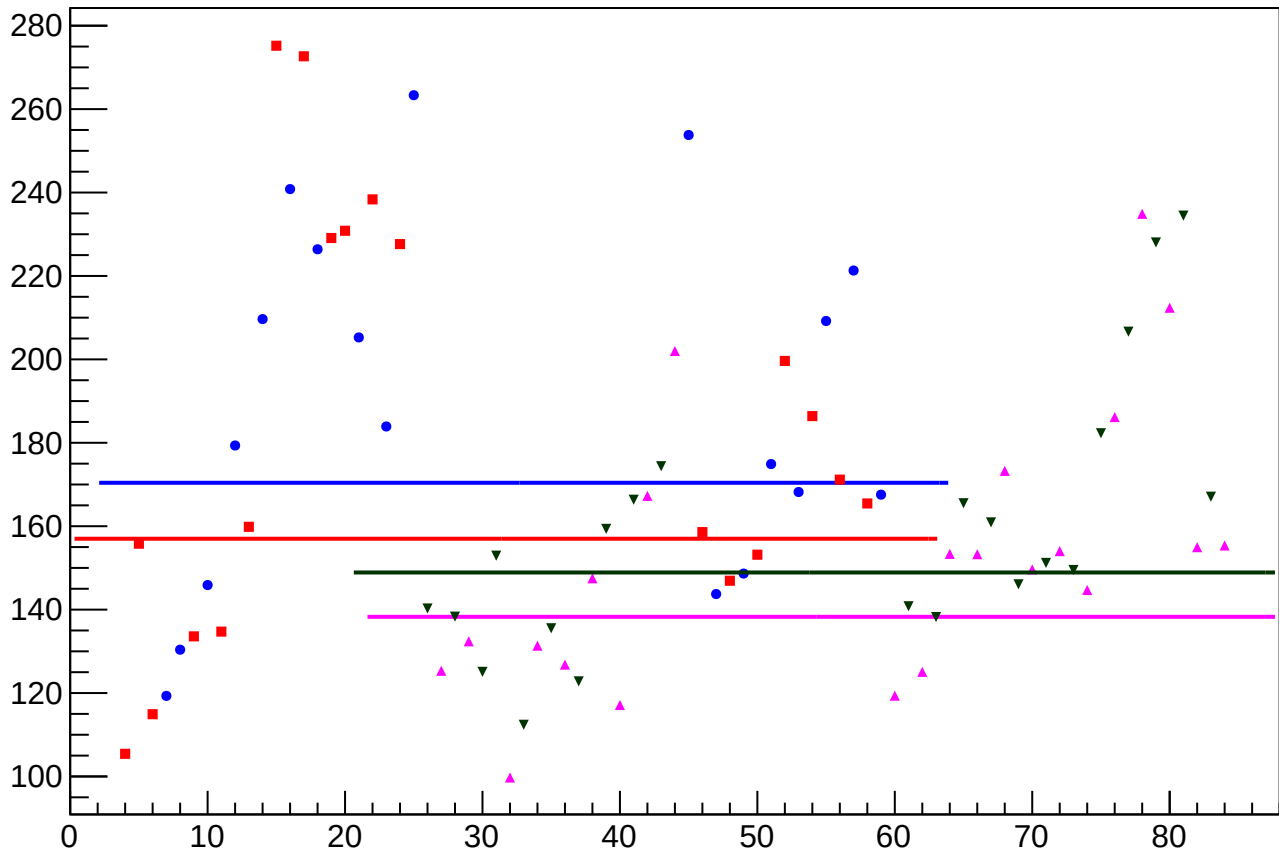
Right Out: 87.434 $\pm$ 51.940 χ^2 /NDF: 4.9/18

Left In: -38.154 $\pm$ 40.476 χ^2 /NDF:3.2/21

41.658 $\pm$ 34.159 χ^2 /NDF: 12.7/39

9.297 $\pm$ 31.927 χ^2 /NDF: 11.7/40

asym_bcm_dg_us_rms vs slug



Right In: 170.412 $\pm$ 0.037 χ^2 /NDF: 964671.4/17

Left Out: 148.904 $\pm$ 0.032 χ^2 /NDF:660337.3/21

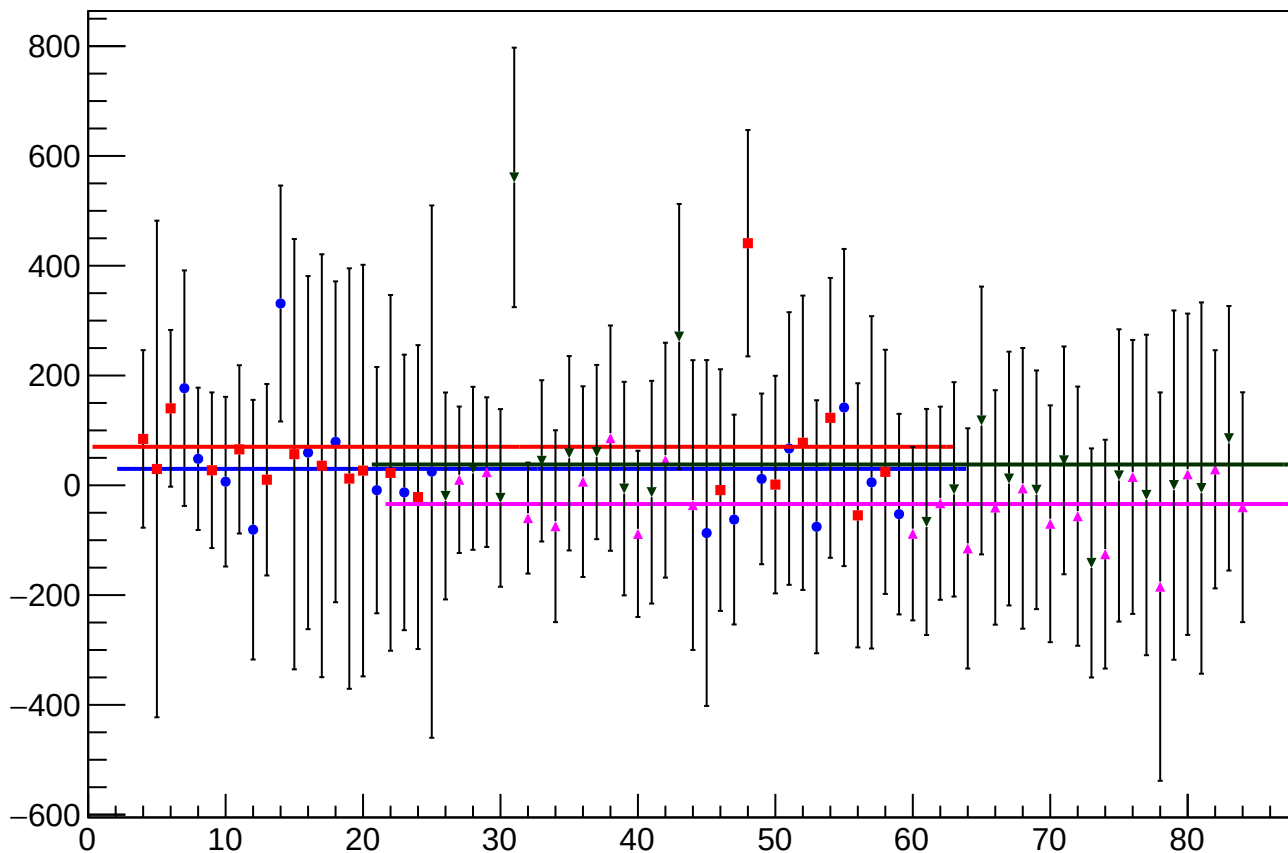
157.973 $\pm$ 0.024 χ^2 /NDF: 1818375.8/39

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

145.351 $\pm$ 0.023 χ^2 /NDF: 2396553.9/40

Left In: 138.279 $\pm$ 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: 37.905 ± 43.449 χ^2/NDF : 7.5/21

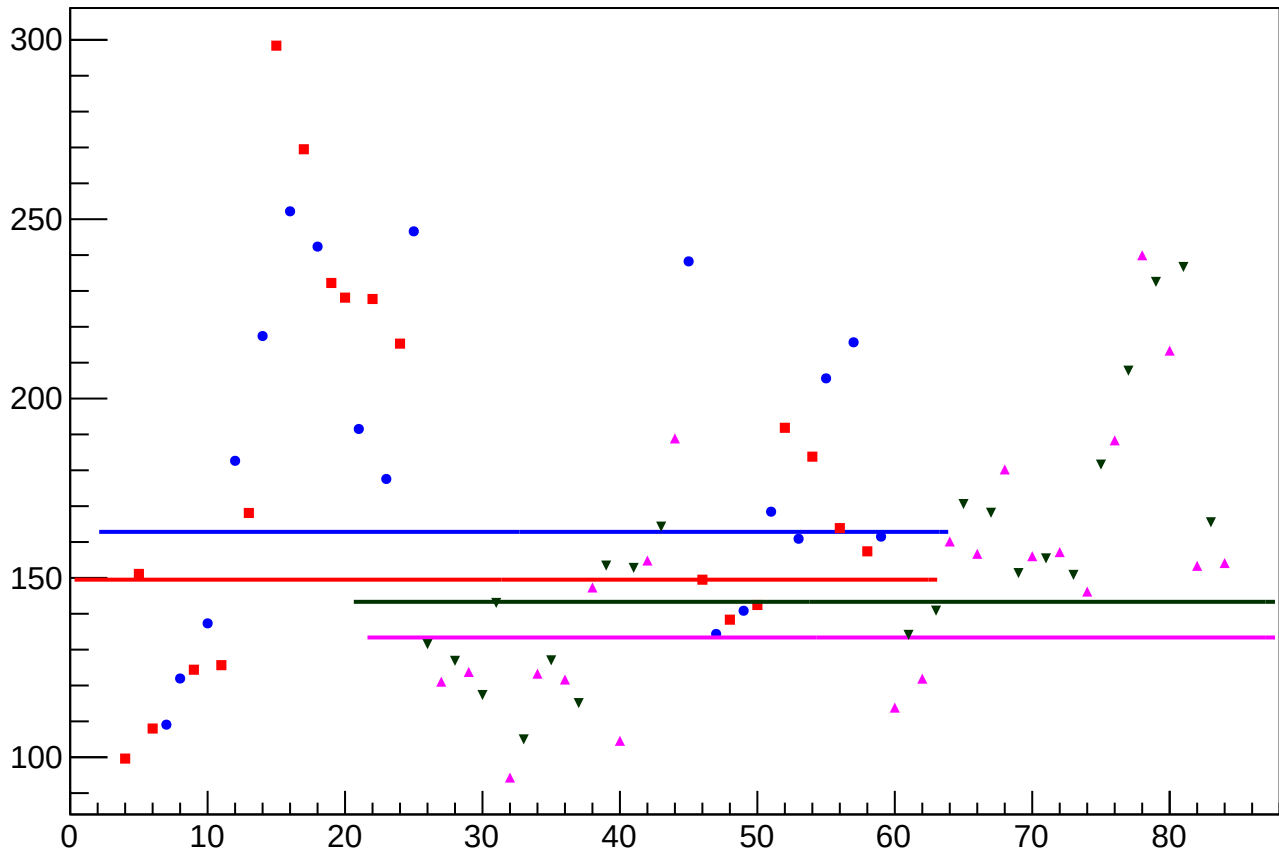
Right Out: 70.155 ± 49.782 χ^2/NDF : 4.5/18

Left In: -34.147 ± 39.221 χ^2/NDF : 1.9/21

34.515 ± 32.961 χ^2/NDF : 11.3/39

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: 143.329+/-0.031 χ^2/NDF : 855150.1/21

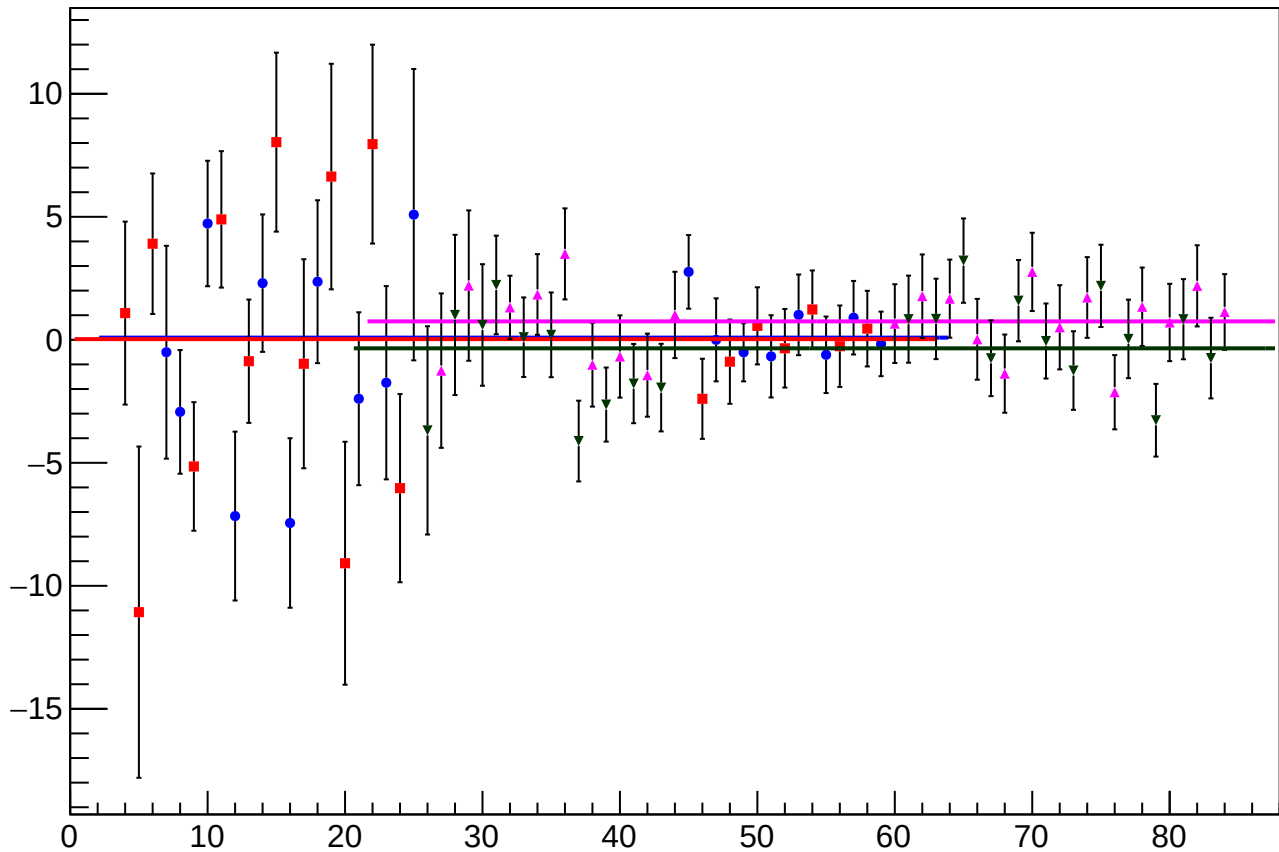
151.608+/-0.023 χ^2/NDF : 2255251.2/39

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

139.560+/-0.022 χ^2/NDF : 2825996.9/40

Left In: 133.386+/-0.028 χ^2/NDF : 1205897.4/21

asym_cav4bQ_mean vs slug



Right In: 0.089 $\pm$ 0.466 χ^2 /NDF: 21.1/17

Left Out: -0.346 $\pm$ 0.368 χ^2 /NDF:25.9/21

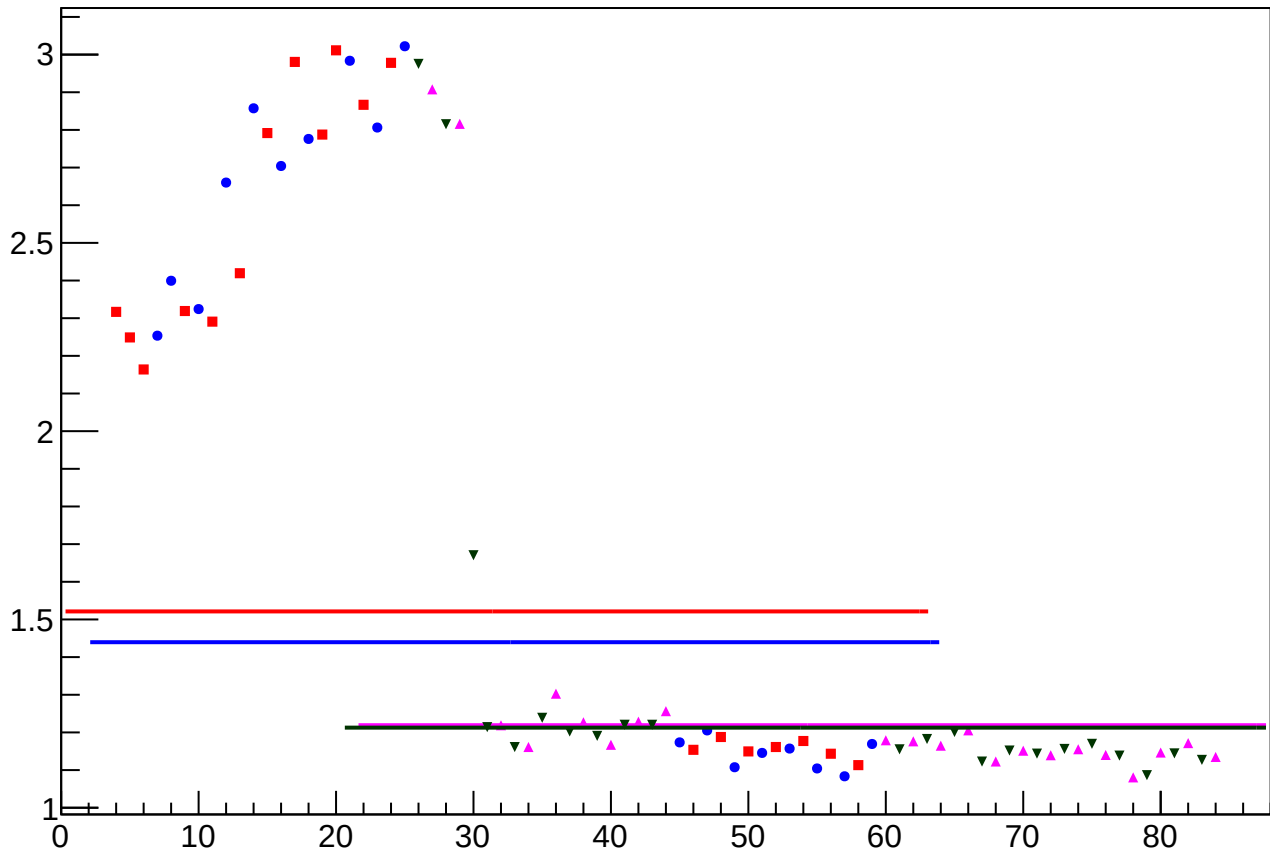
Right Out: 0.028 $\pm$ 0.520 χ^2 /NDF: 31.9/18

Left In: 0.749 $\pm$ 0.356 χ^2 /NDF:16.2/21

-0.179 $\pm$ 0.289 χ^2 /NDF: 47.5/39

0.519 $\pm$ 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: 1.213 $\pm$ 0.000 χ^2 /NDF:950814.4/21

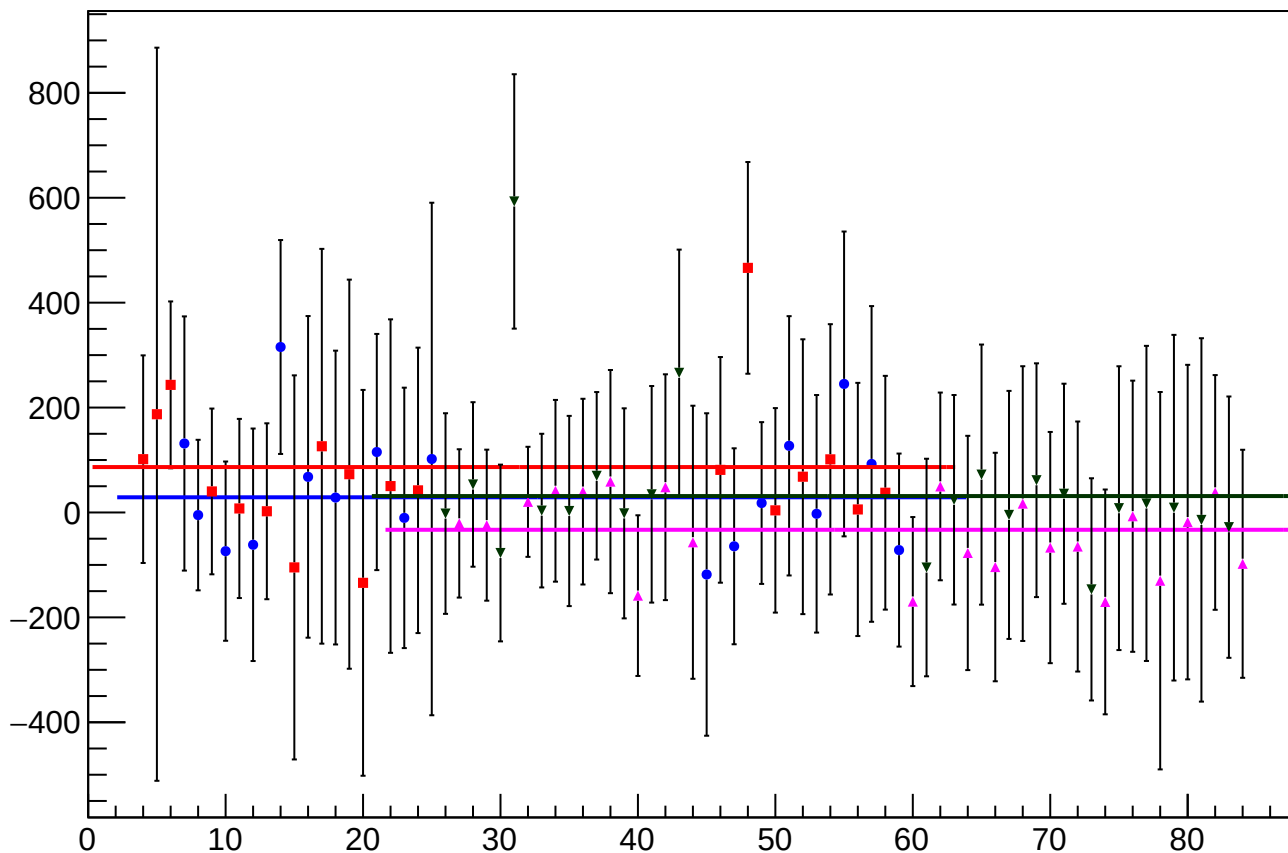
1.300 $\pm$ 0.000 χ^2 /NDF: 4652625.1/39

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

1.316 $\pm$ 0.000 χ^2 /NDF: 4520701.5/40

Left In: 1.219 $\pm$ 0.000 χ^2 /NDF:1189834.5/21

asym_cav4cQ_mean vs slug



Right In: 28.930 ± 51.478 χ^2/NDF : 4.5/17

Left Out: 31.276 ± 44.323 χ^2/NDF : 8.3/21

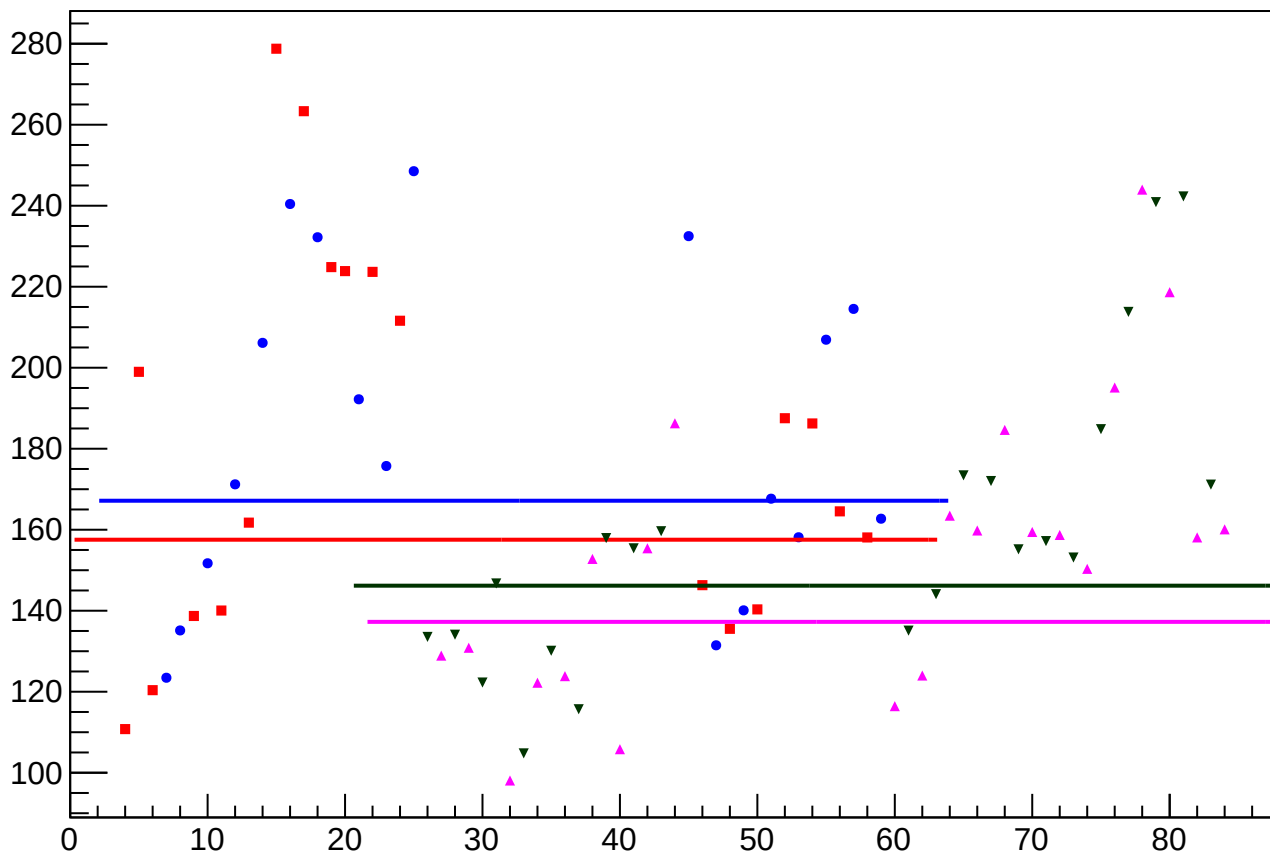
Right Out: 86.558 ± 52.059 χ^2/NDF : 6.1/18

Left In: -33.004 ± 40.299 χ^2/NDF : 3.5/21

30.277 ± 33.589 χ^2/NDF : 12.8/39

11.797 ± 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: 146.184 $\pm$ 0.031 χ^2 /NDF:873155.2/21

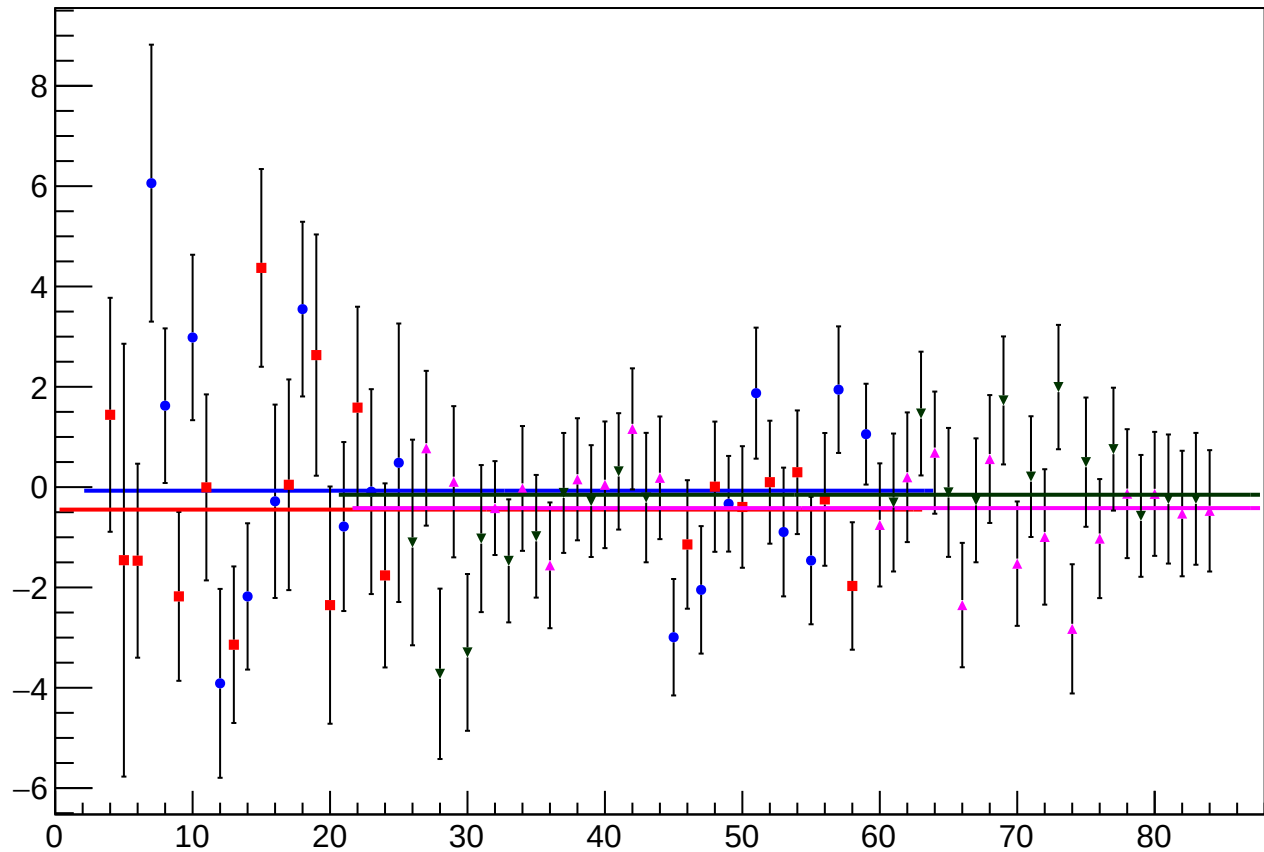
155.114 $\pm$ 0.024 χ^2 /NDF: 1939641.6/39

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

144.851 $\pm$ 0.023 χ^2 /NDF: 2401749.4/40

Left In: 137.250 $\pm$ 0.028 χ^2 /NDF:1162199.4/21

asym_cav4dQ_mean vs slug



Right In: -0.071 ± 0.335 χ^2/NDF : 36.8/17

Left Out: -0.152 ± 0.276 χ^2/NDF : 18.8/21

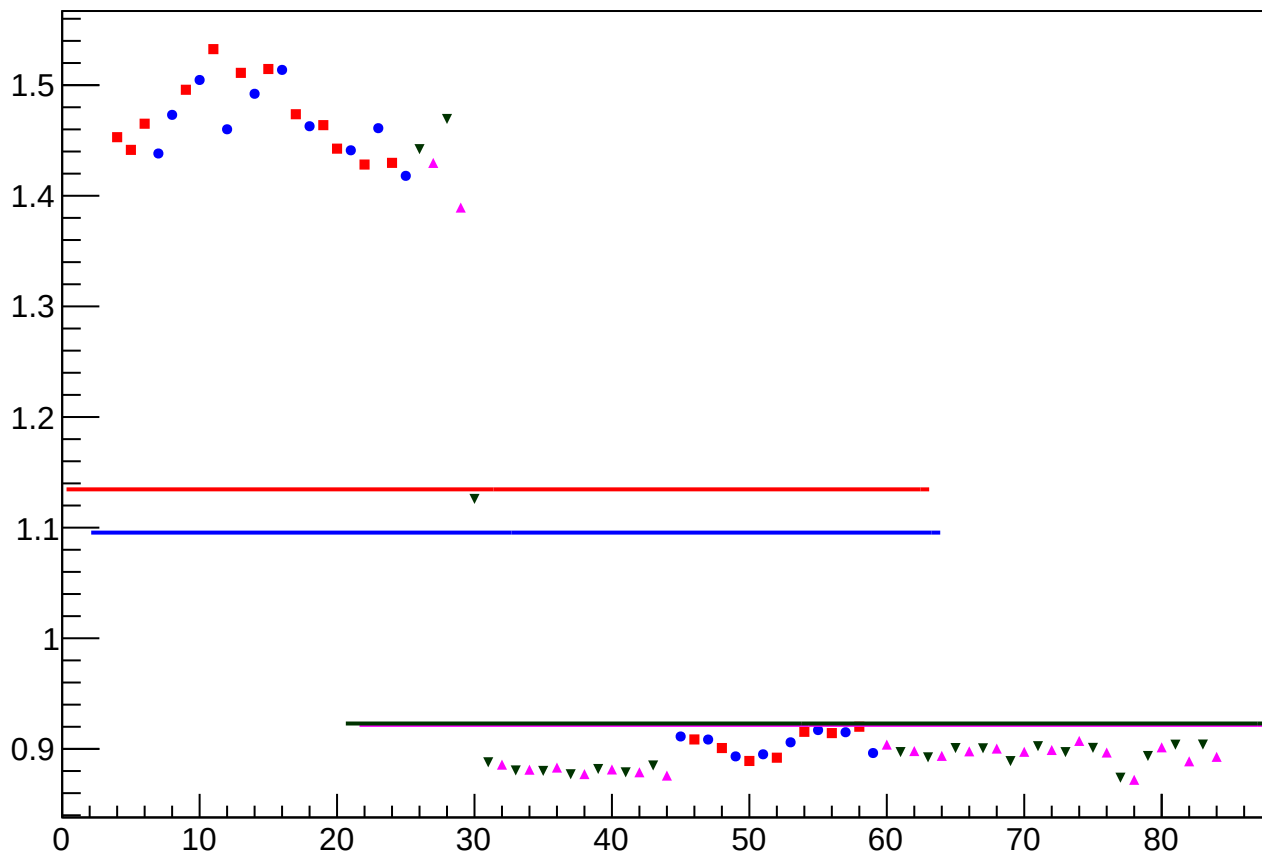
Right Out: -0.448 ± 0.369 χ^2/NDF : 17.4/18

Left In: -0.418 ± 0.265 χ^2/NDF : 13.0/21

-0.119 ± 0.213 χ^2/NDF : 55.6/39

-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: 0.923+/-0.000 χ^2/NDF : 397272.5/21

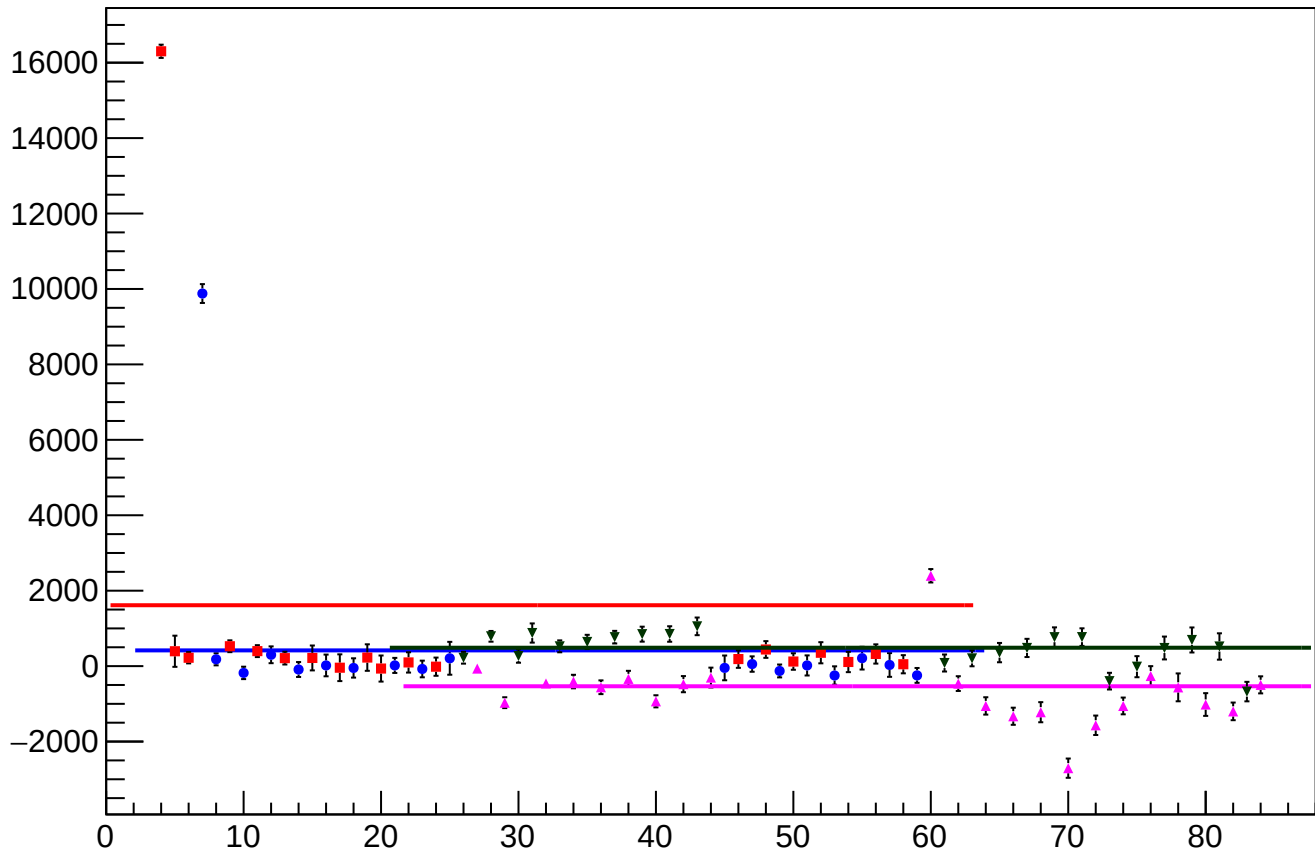
Right Out: 1.135+/-0.000 χ^2/NDF : 1161881.6/18

Left In: 0.922+/-0.000 χ^2/NDF : 438291.2/21

0.992+/-0.000 χ^2/NDF : 2002032.8/39

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: 487.856+/-45.039 χ^2/NDF : 75.0/21

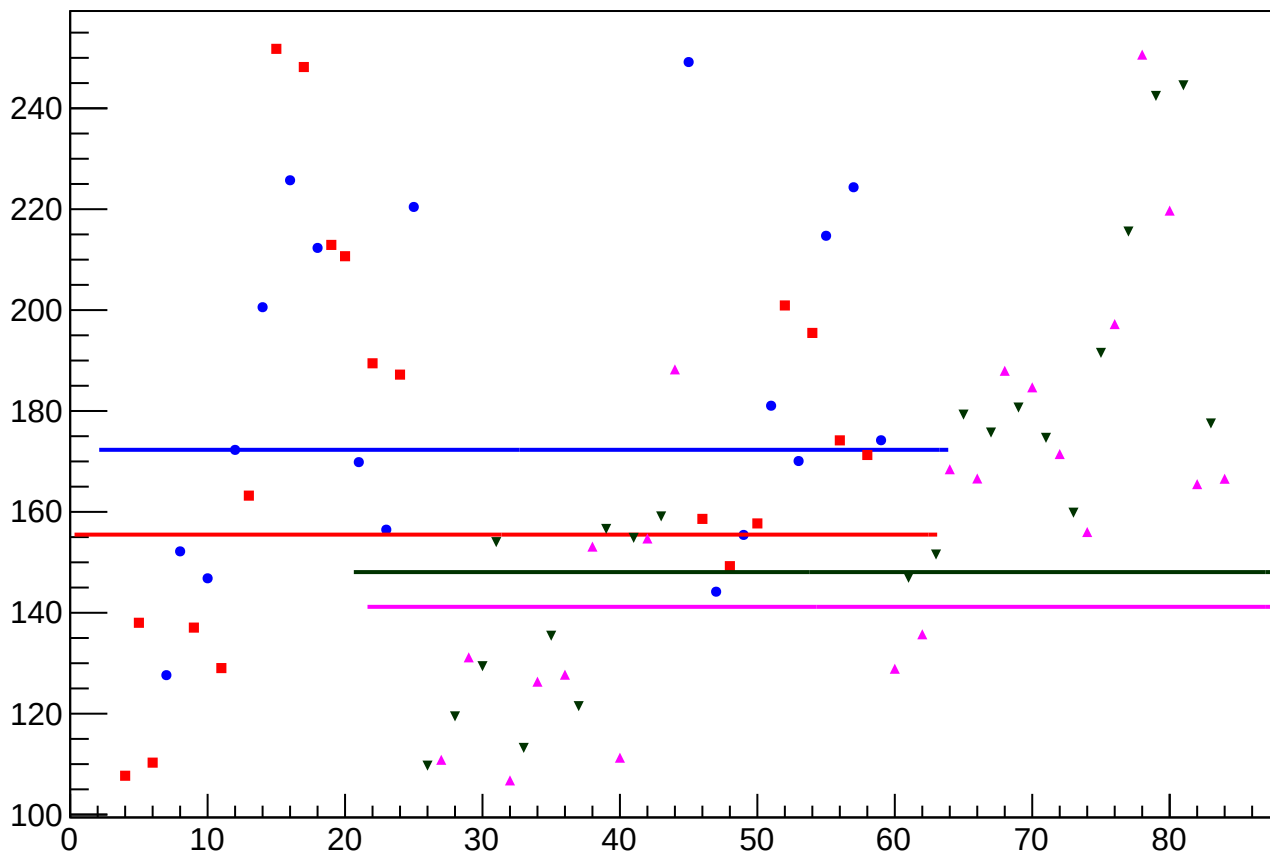
457.984+/-34.221 χ^2/NDF : 1584.0/39

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: 148.066+/-0.032 χ^2/NDF :999306.6/21

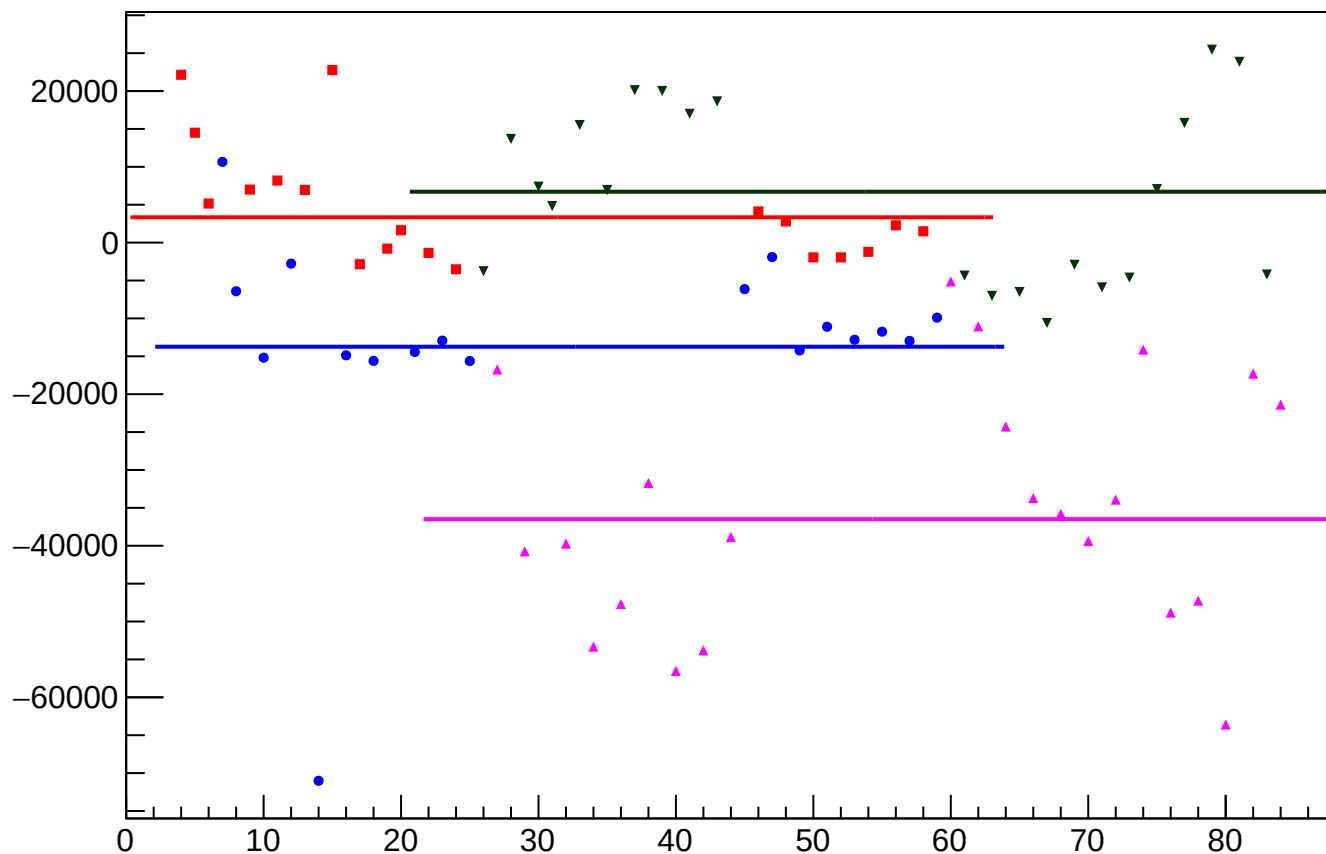
158.311+/-0.024 χ^2/NDF : 1844948.2/39

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

146.847+/-0.023 χ^2/NDF : 2273835.9/40

Left In: 141.179+/-0.029 χ^2/NDF :1160435.5/21

asym_bpm2i01WS_mean vs slug



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

Left Out: 6717.039+/-28.342 χ^2/NDF : 169448.1/21

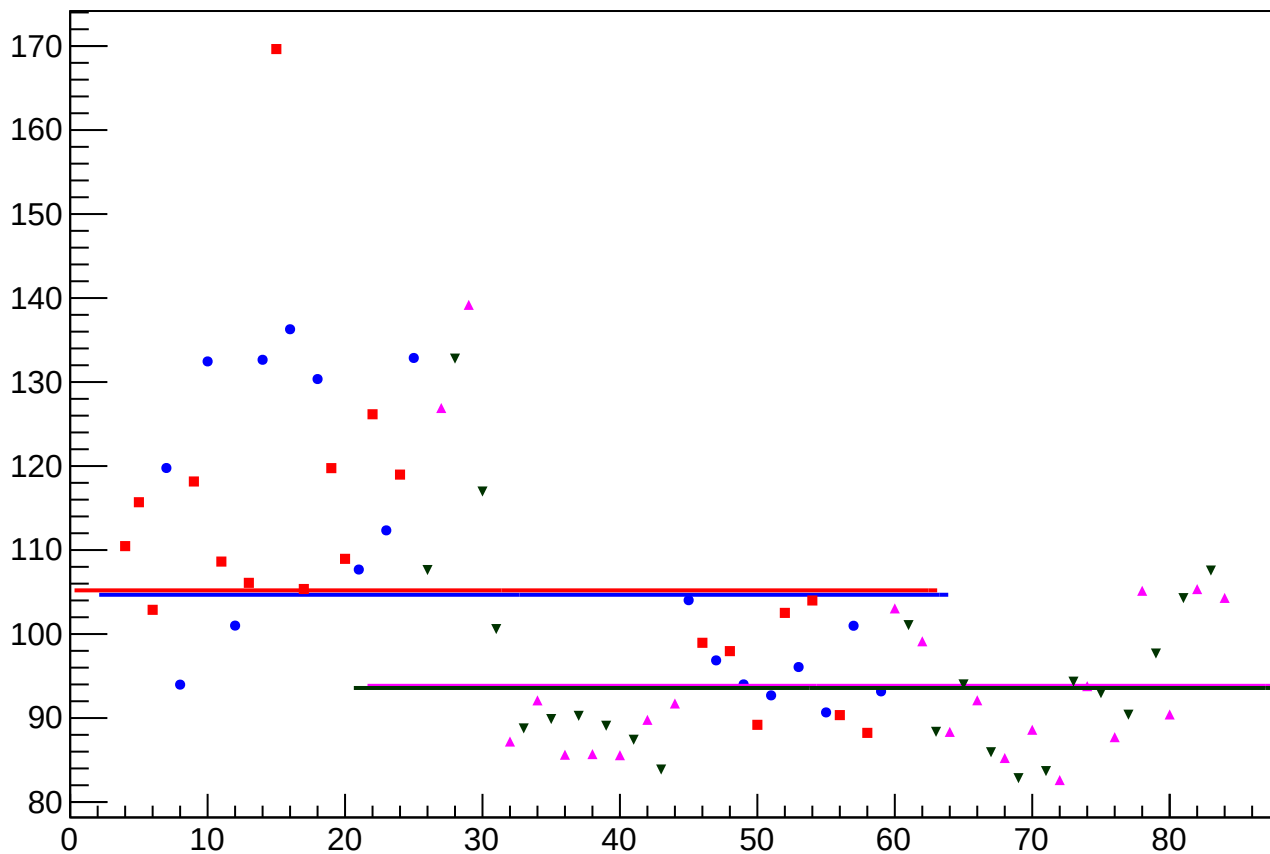
Right Out: 3338.926+/-34.258 χ^2/NDF : 31361.1/18

Left In: -36491.708+/-27.376 χ^2/NDF : 300570.4/21

-2260.057+/-21.232 χ^2/NDF : 620272.3/39

-20968.722+/-21.386 χ^2/NDF : 1156920.2/40

asym_bpm2i01WS_rms vs slug



Right In: 104.677 ± 0.023 χ^2/NDF : 431749.6/17

Left Out: 93.579 ± 0.020 χ^2/NDF : 281170.7/21

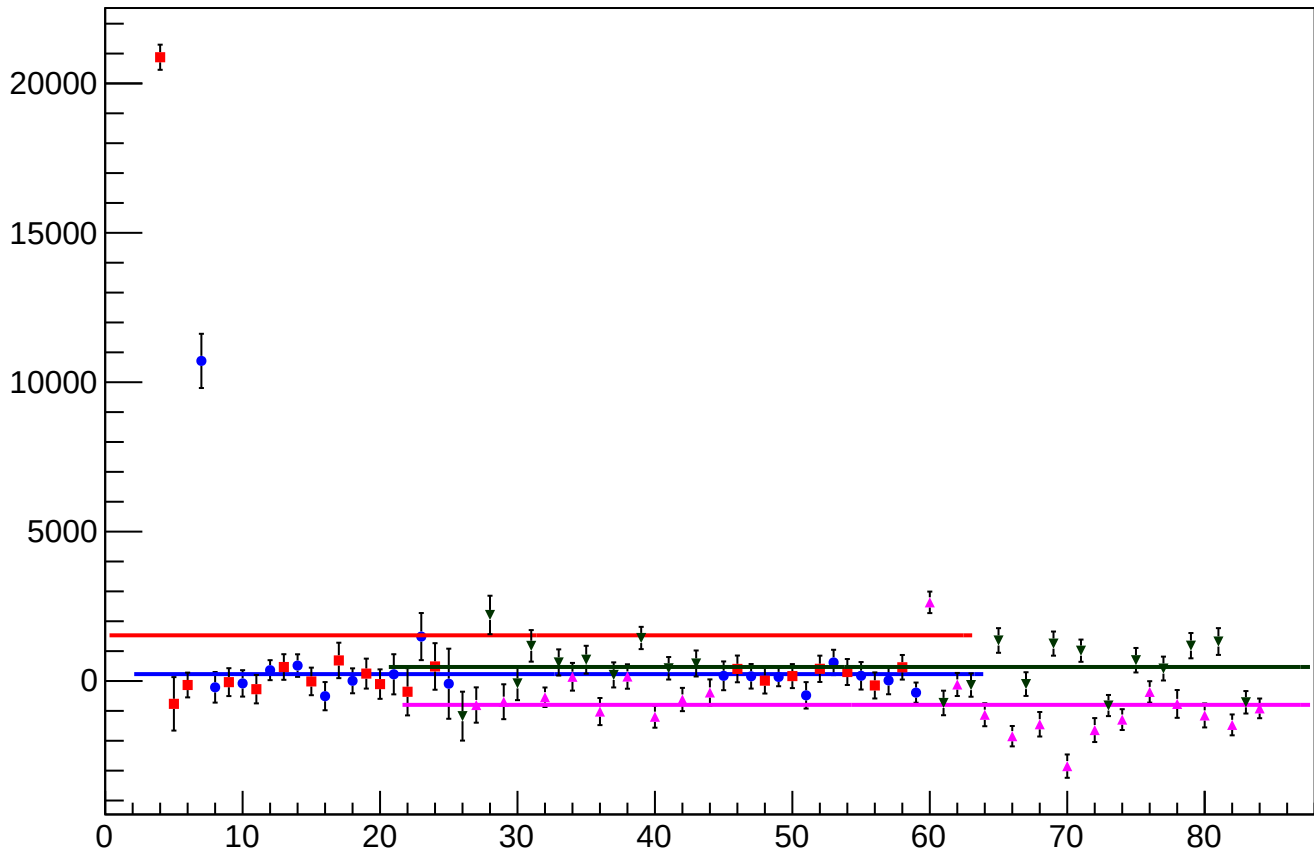
Right Out: 105.200 ± 0.024 χ^2/NDF : 336723.5/18

Left In: 93.836 ± 0.019 χ^2/NDF : 401140.1/21

98.449 ± 0.015 χ^2/NDF : 847463.1/39

98.265 ± 0.015 χ^2/NDF : 872182.9/40

asym_bpm0i07WS_mean vs slug



Right In: 230.965+/-105.235 χ^2/NDF : 148.0/17

Left Out: 469.763+/-90.680 χ^2/NDF : 75.3/21

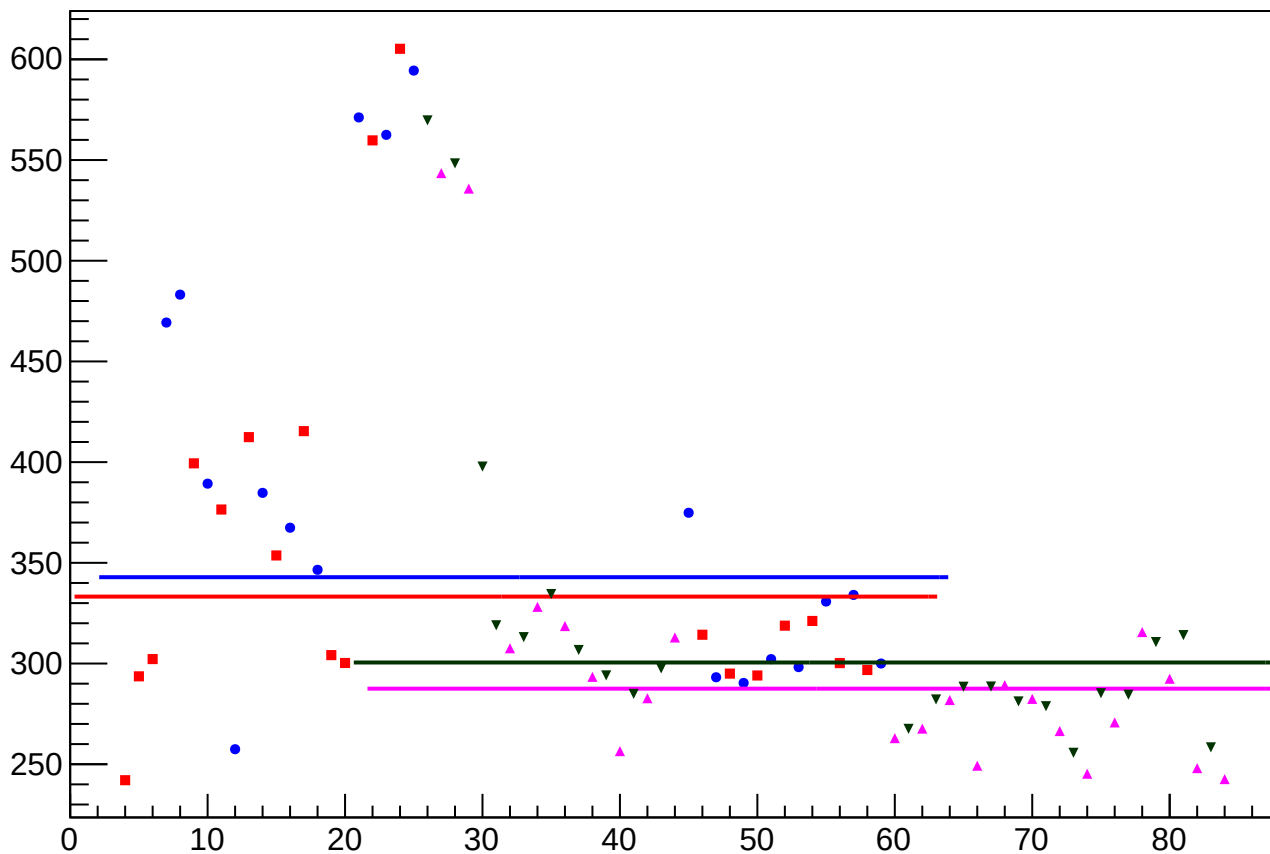
368.008+/-68.695 χ^2/NDF : 226.2/39

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

66.070+/-66.391 χ^2/NDF : 2720.3/40

Left In: -798.106+/-83.735 χ^2/NDF : 159.4/21

asym_bpm0i07WS_rms vs slug



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

Left Out: 300.513+/-0.064 χ^2/NDF : 690191.4/21

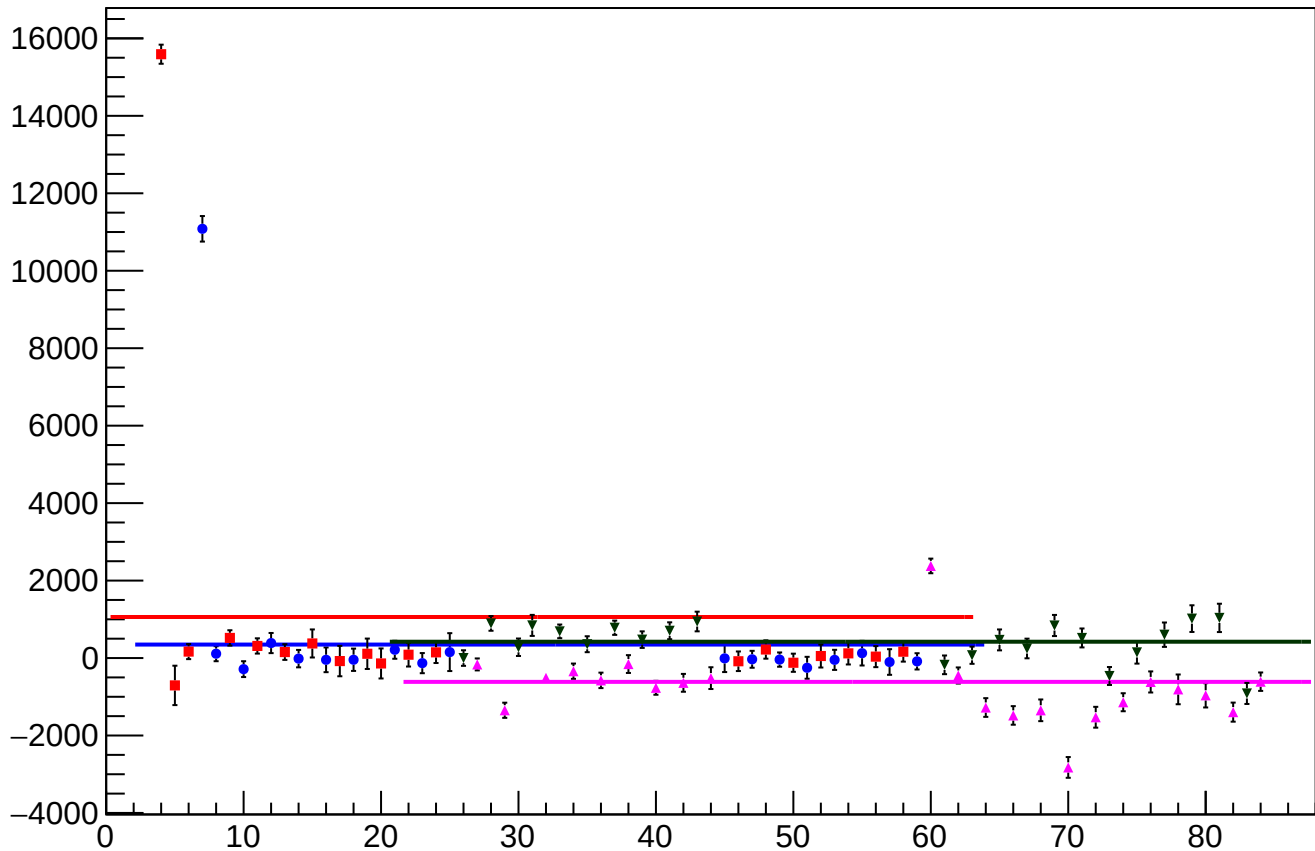
Right Out: 333.230+/-0.077 χ^2/NDF : 768934.3/18

Left In: 287.524+/-0.059 χ^2/NDF : 940885.5/21

318.560+/-0.049 χ^2/NDF : 1894714.7/39

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: 421.523+/-50.238 χ^2/NDF : 83.0/21

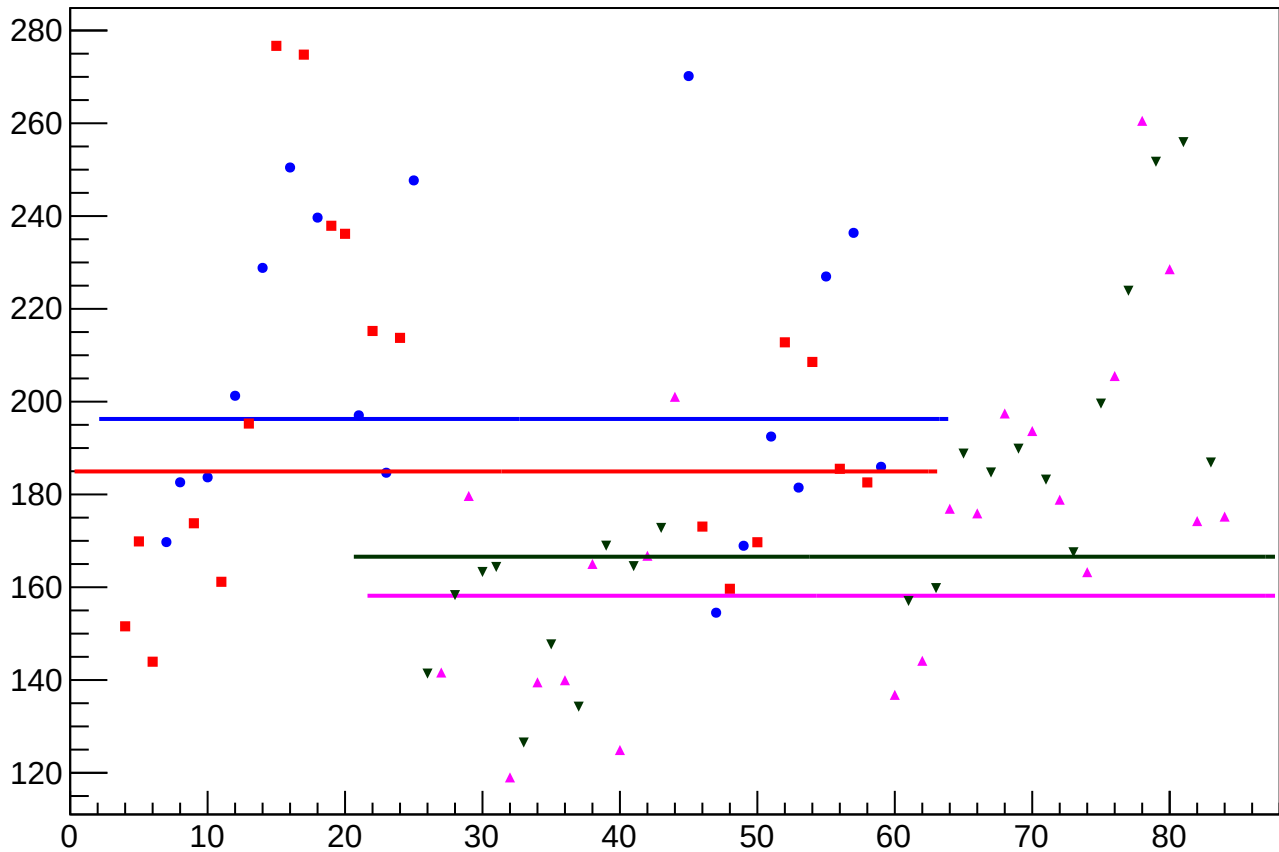
391.091+/-38.424 χ^2/NDF : 1187.1/39

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

5.400+/-36.536 χ^2/NDF : 4604.5/40

Left In: -614.953+/-46.045 χ^2/NDF : 405.7/21

asym_bpm0l01WS_rms vs slug



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

Left Out: 166.580 ± 0.036 $\chi^2/\text{NDF}: 616014.0/21$

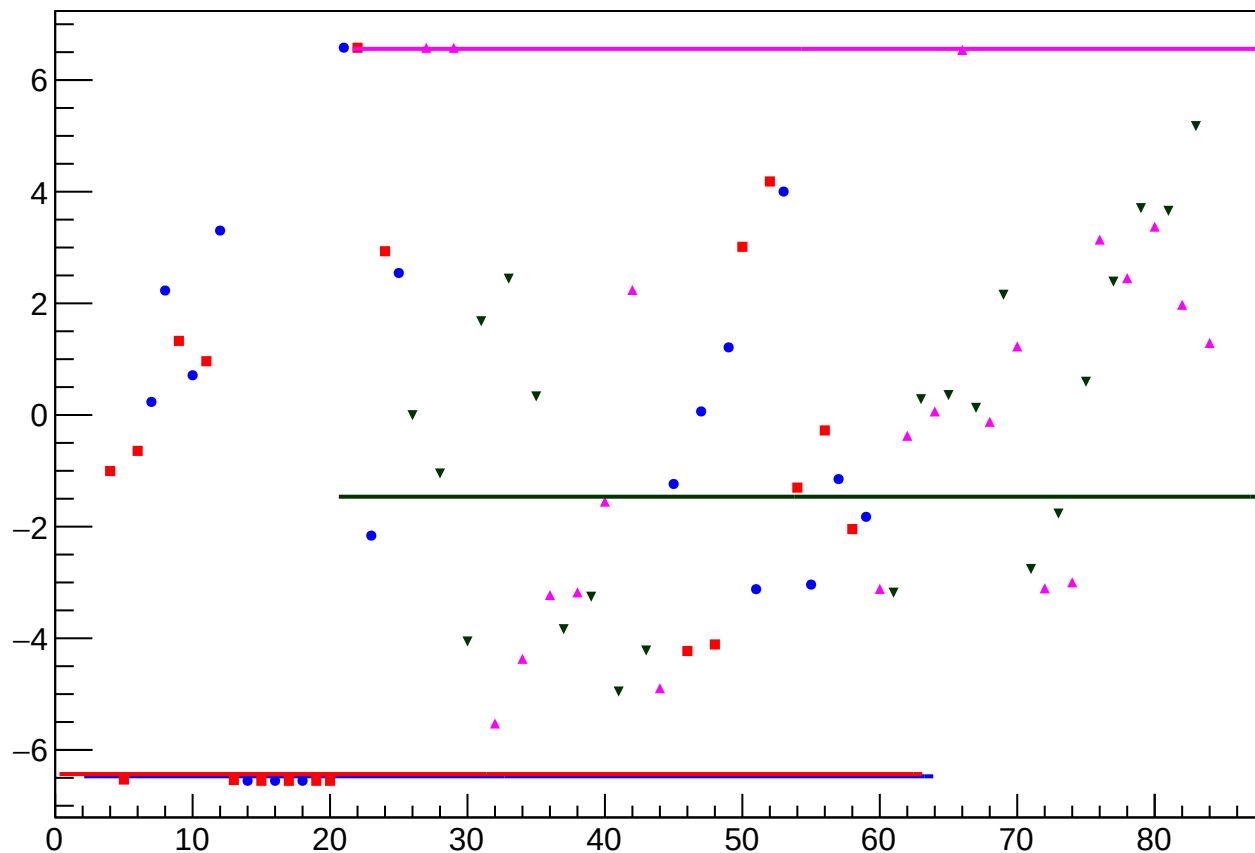
Right Out: 184.956 ± 0.042 $\chi^2/\text{NDF}: 580645.4/18$

Left In: 158.168 ± 0.033 $\chi^2/\text{NDF}: 859428.9/21$

178.901 ± 0.027 $\chi^2/\text{NDF}: 1372019.7/39$

168.090 ± 0.026 $\chi^2/\text{NDF}: 1690802.3/40$

yield_cav4bX_mean vs slug



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

Left Out: -1.464+/-0.000 χ^2/NDF : 59575338.2/21

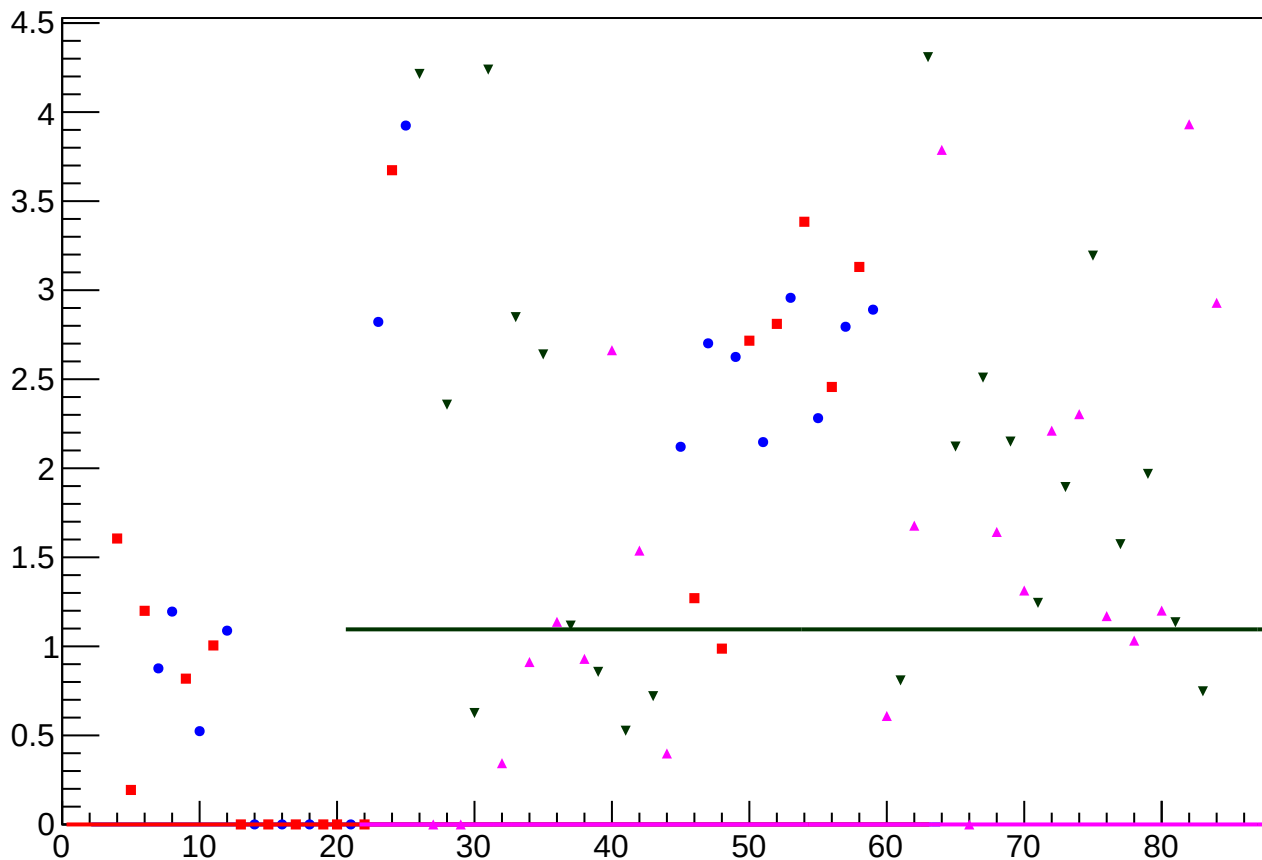
Right Out: -6.432+/-0.000 χ^2/NDF : 150837619676093.8/18

Left In: 6.558+/-0.000 χ^2/NDF : 1588690732.2/21

-6.473+/-0.000 χ^2/NDF : 127848129854081.0/3

-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: 1.095+/-0.000 χ^2/NDF : 4886835.5/21

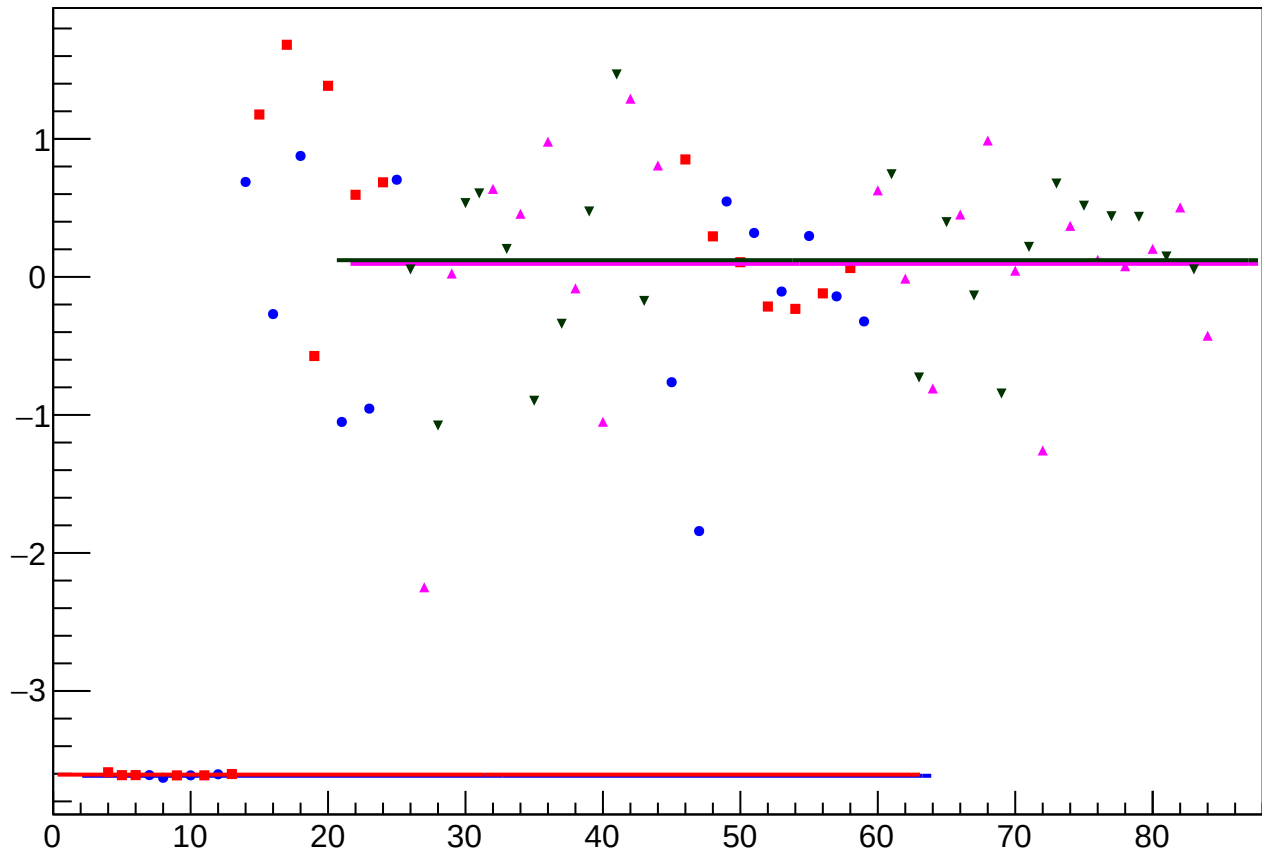
Right Out: 0.000+/-0.000 χ^2/NDF : 9626570.5/18

Left In: 0.000+/-0.000 χ^2/NDF : 14218289.0/21

0.000+/-0.000 χ^2/NDF : 28367559.8/39

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

-3.614+/-0.000 χ^2/NDF : 49340893934.9/39

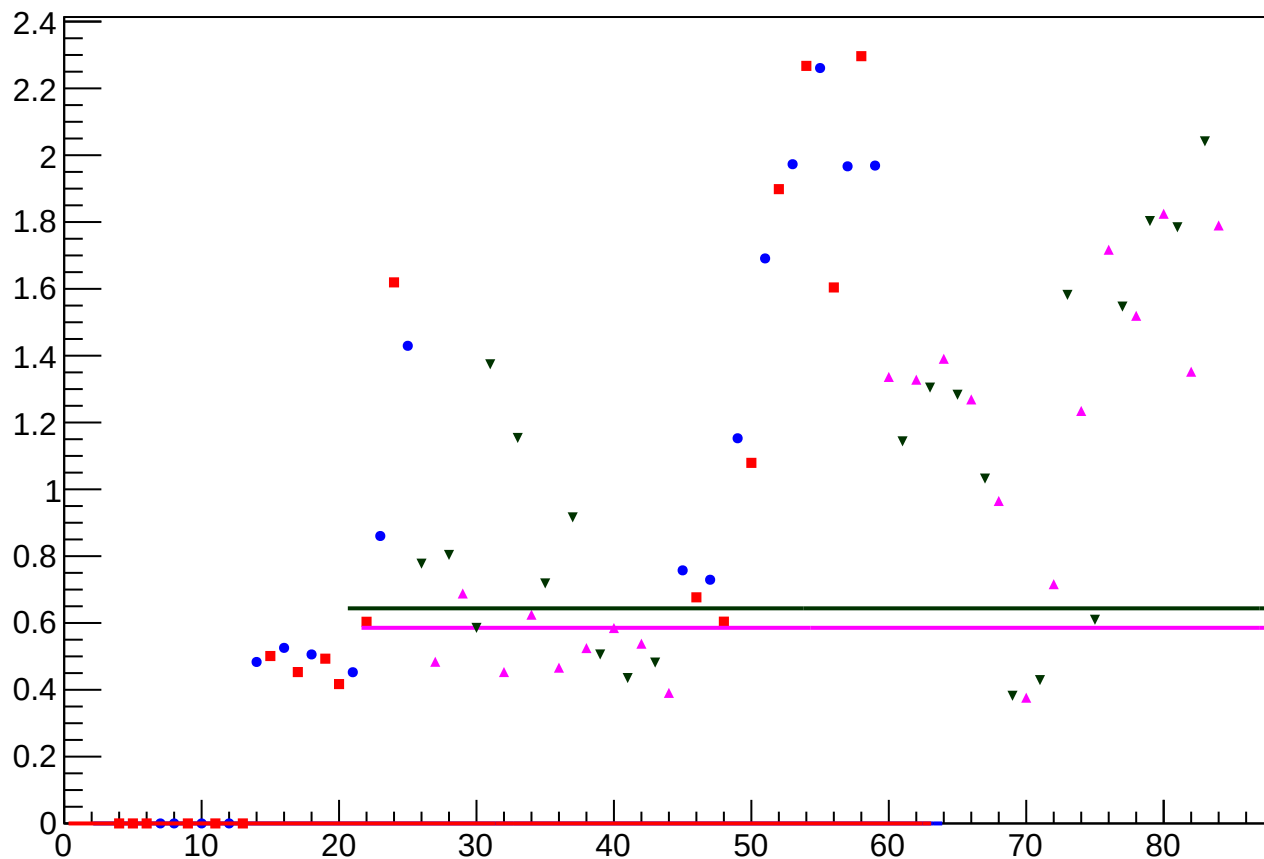
Left Out: 0.121+/-0.000 χ^2/NDF : 10768746.3/21

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

-3.606+/-0.000 χ^2/NDF : 38126233617.1/40

Left In: 0.095+/-0.000 χ^2/NDF : 21953942.6/21

yield_cav4bY_rms vs slug



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

Left Out: 0.644+/-0.000 χ^2/NDF :4032895.2/21

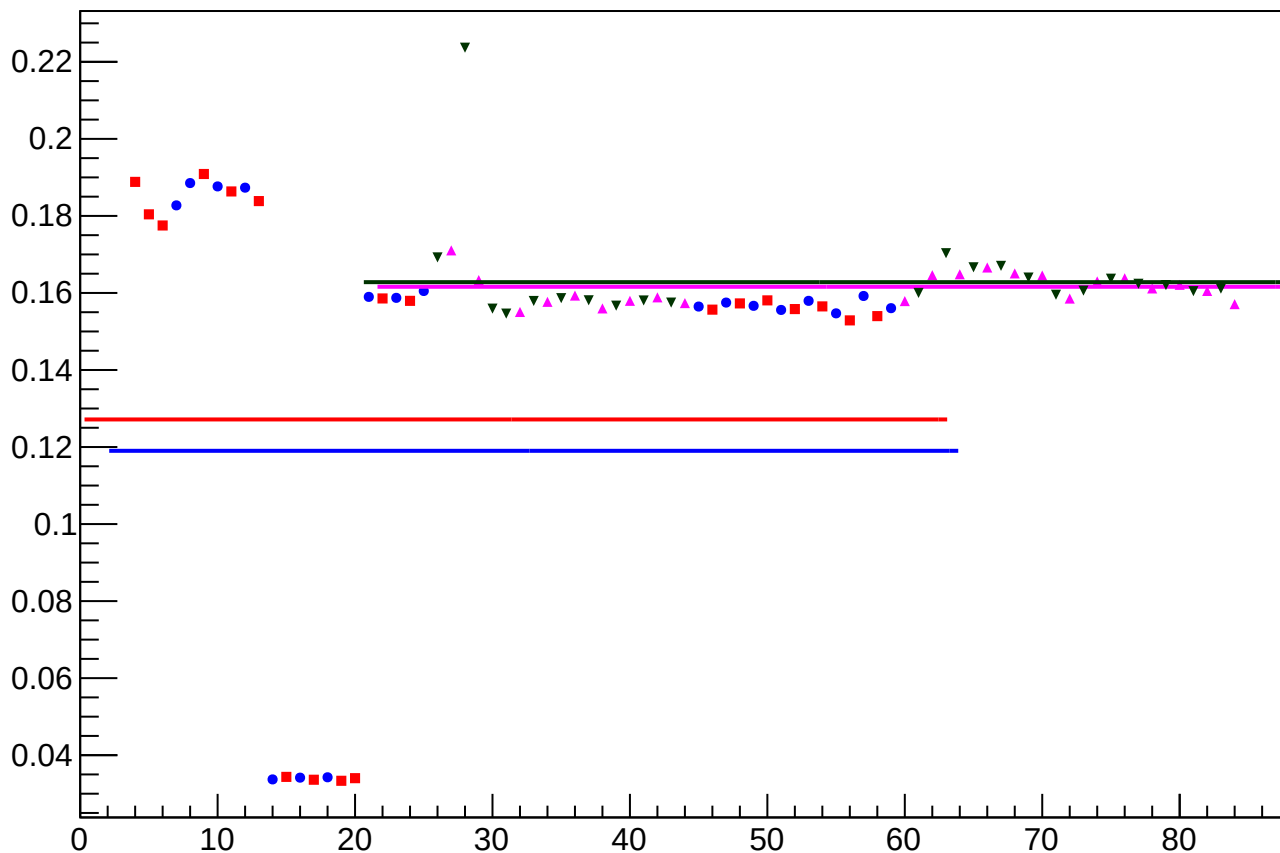
Right Out: 0.000+/-0.000 χ^2/NDF : 10531530.4/18

Left In: 0.586+/-0.000 χ^2/NDF :4449312.9/21

0.000+/-0.000 χ^2/NDF : 32308439.0/39

0.000+/-0.000 χ^2/NDF : 30571628.6/40

yield_cav4cX_mean vs slug



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

Left Out: 0.163+/-0.000 χ^2/NDF :103067712.2/21

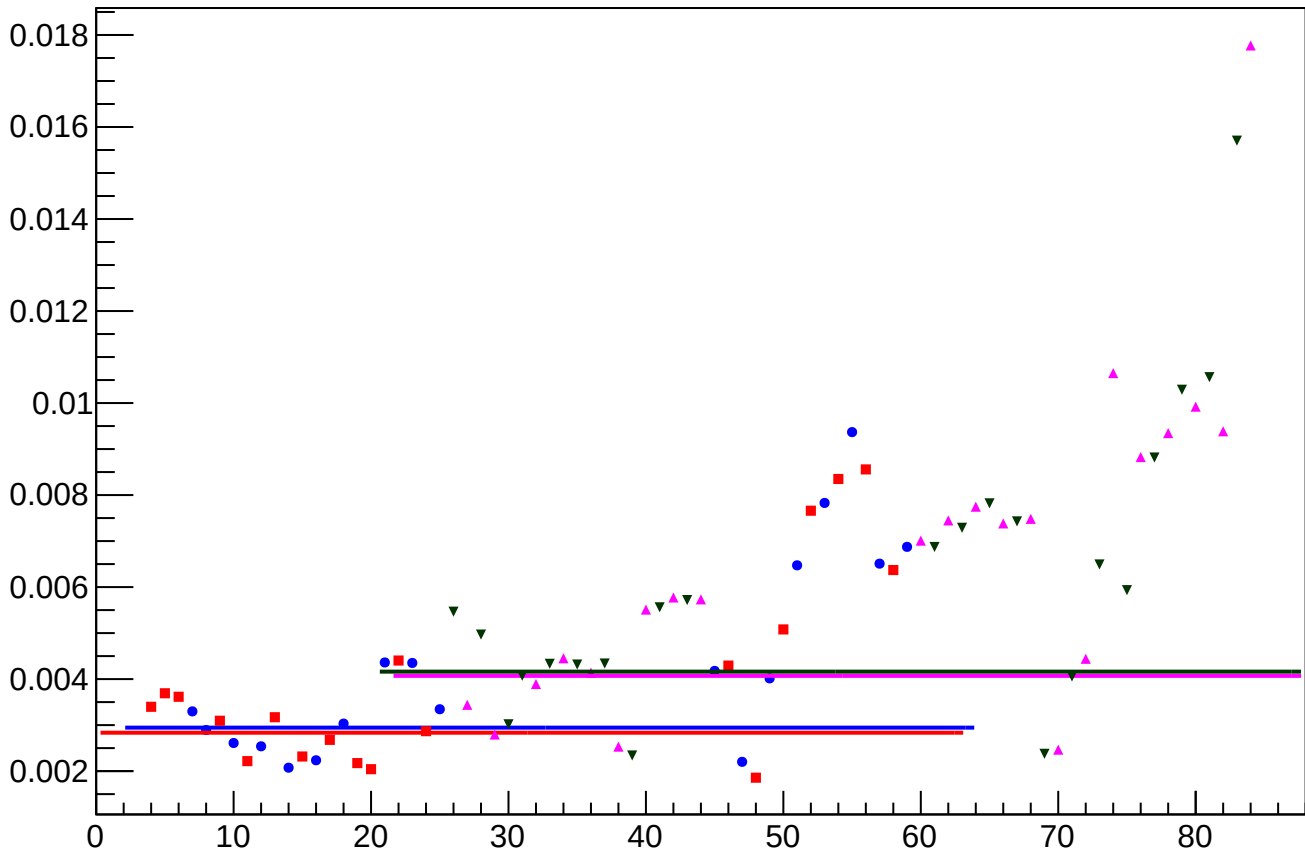
Right Out: 0.127+/-0.000 χ^2/NDF : 4426693928.8/18

Left In: 0.162+/-0.000 χ^2/NDF :13501276.9/21

0.133+/-0.000 χ^2/NDF : 5740137510.0/39

0.140+/-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 :3908123.6/21

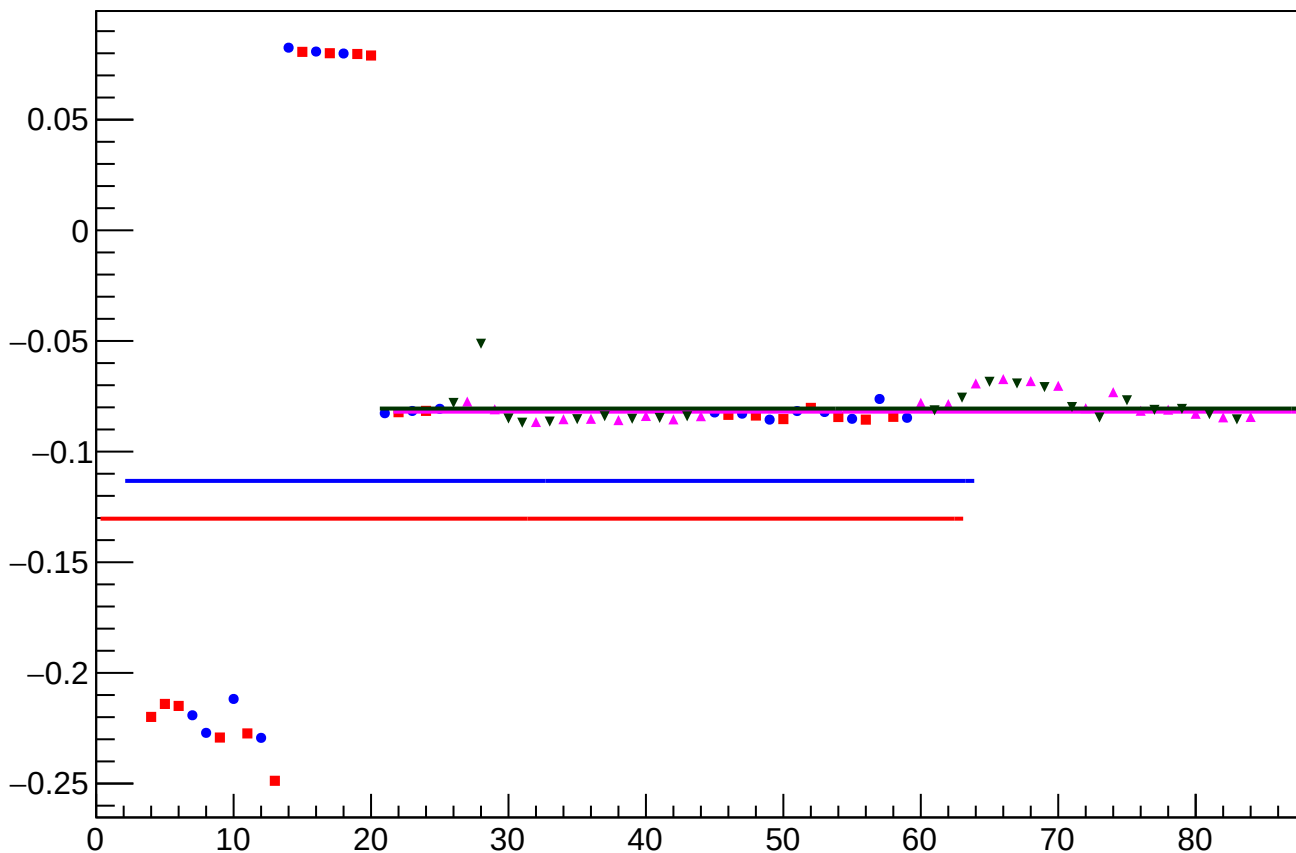
Right Out: 0.003+/-0.000 χ^2/NDF : 2697291.9/18

Left In: 0.004+/-0.000 χ^2/NDF :4627595.1/21

0.003+/-0.000 χ^2/NDF : 7917274.5/39

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 : 42059739.8/21

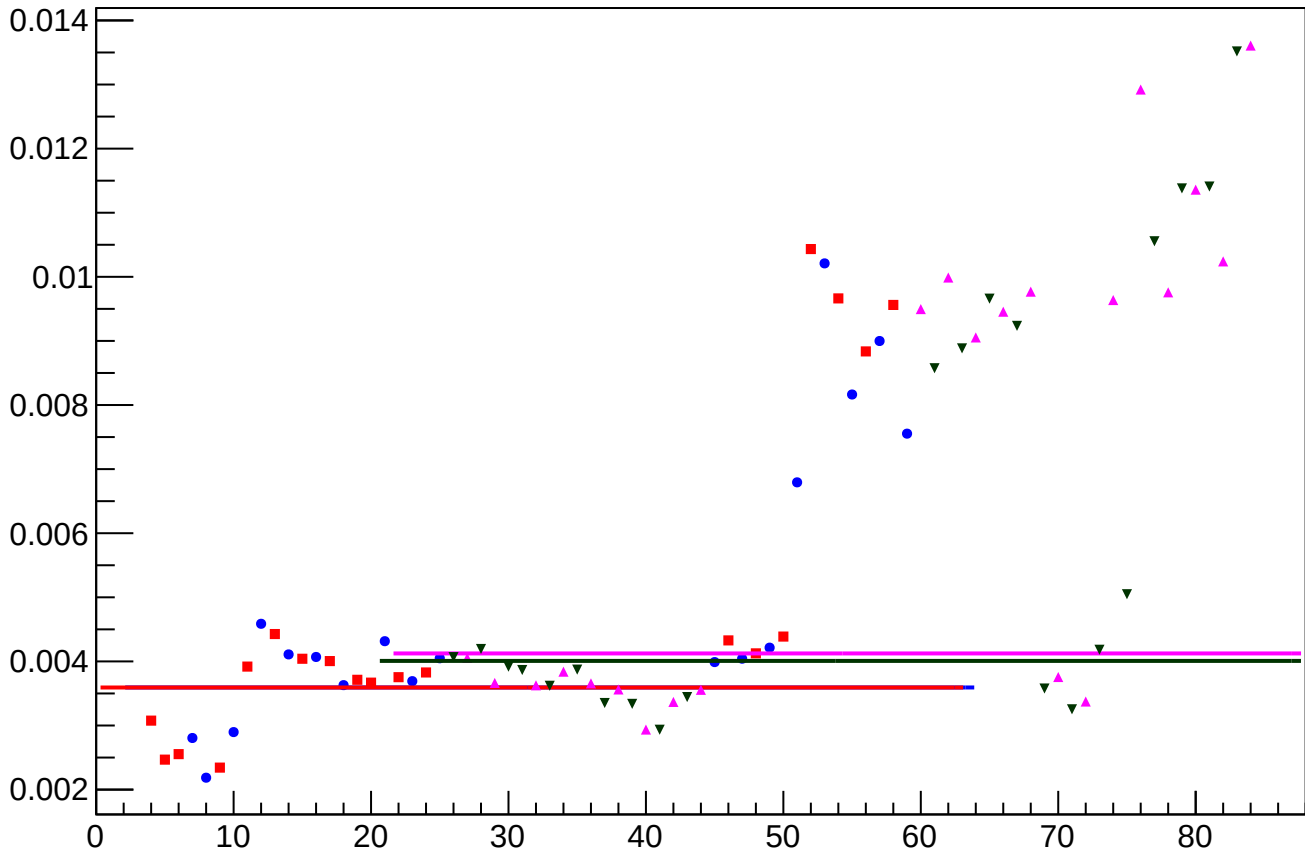
Right Out: -0.130 ± 0.000 χ^2/NDF : 8867144829.5/18

Left In: -0.082 ± 0.000 χ^2/NDF : 13401206.3/21

-0.099 ± 0.000 χ^2/NDF : 10075499178.7/39

-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 :3040508.6/21

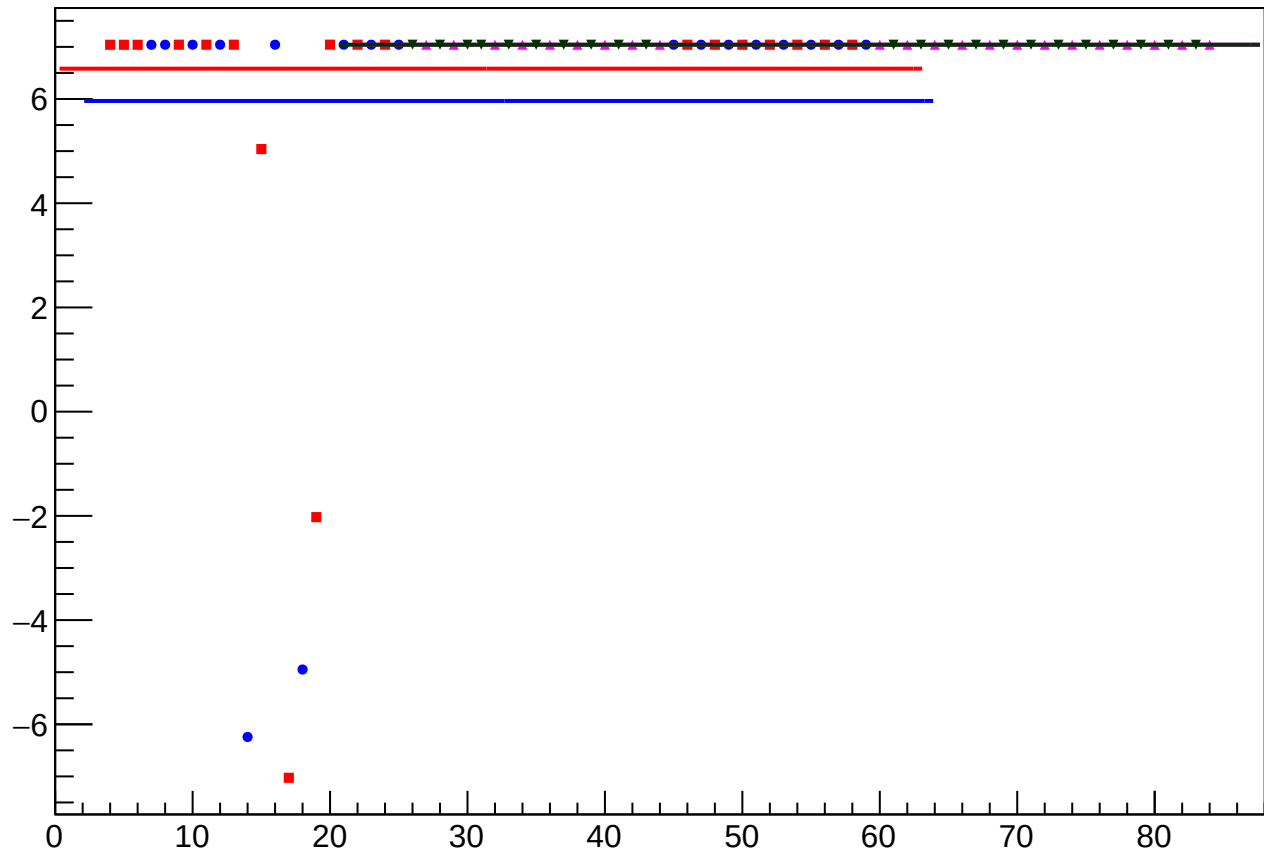
Right Out: 0.004+/-0.000 χ^2/NDF : 2225355.5/18

Left In: 0.004+/-0.000 χ^2/NDF :3919133.1/21

0.004+/-0.000 χ^2/NDF : 5785797.8/39

0.004+/-0.000 χ^2/NDF : 6310238.5/40

yield_cav4dX_mean vs slug



Right In: 5.962+/-0.000 χ^2/NDF : 4616105002600912.0/17

Left Out: 7.042+/-0.000 χ^2/NDF : 38332660.8/21

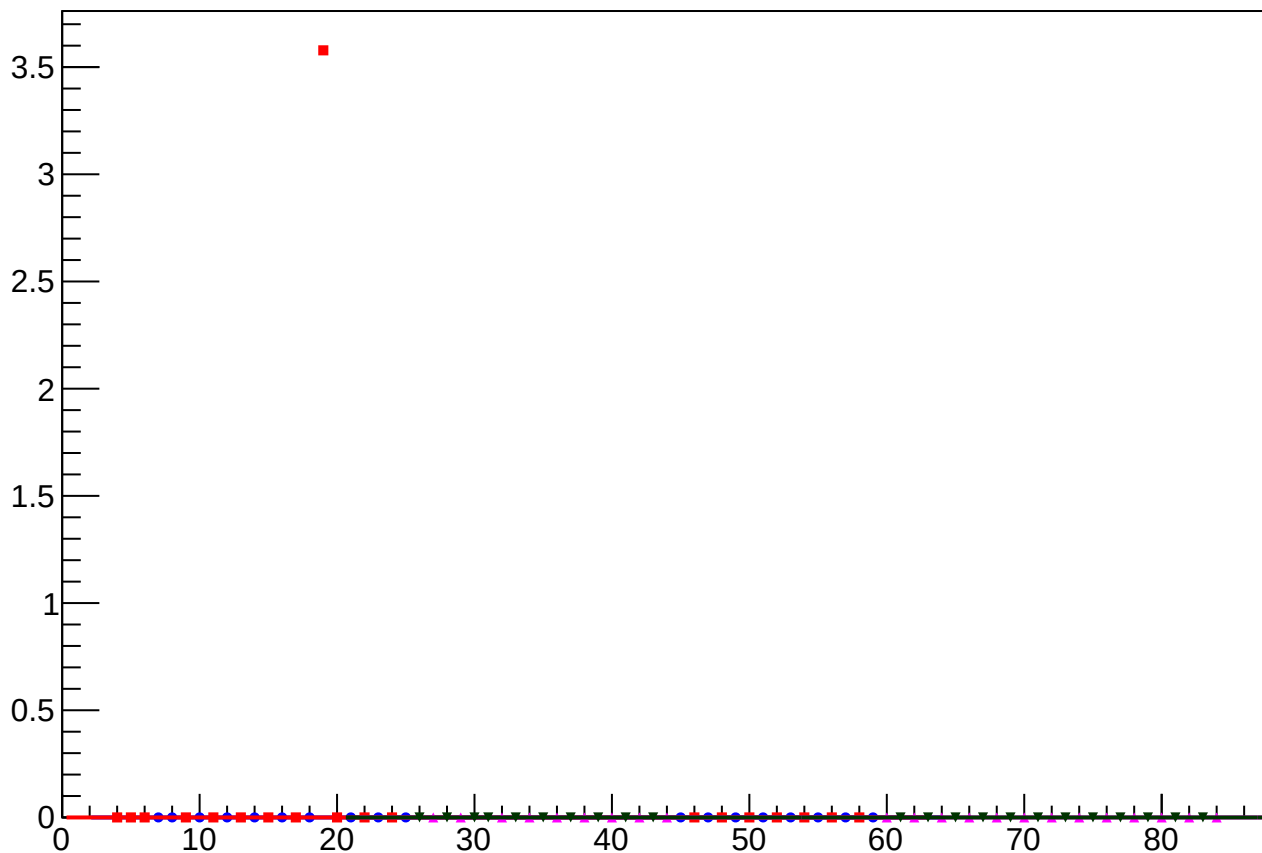
Right Out: 6.582+/-0.000 χ^2/NDF : 1856853993700647.2/18

Left In: 7.042+/-0.000 χ^2/NDF : 38602292.0/21

6.542+/-0.000 χ^2/NDF : 4839618051291976.0/3

6.853+/-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 : 4450.7/21

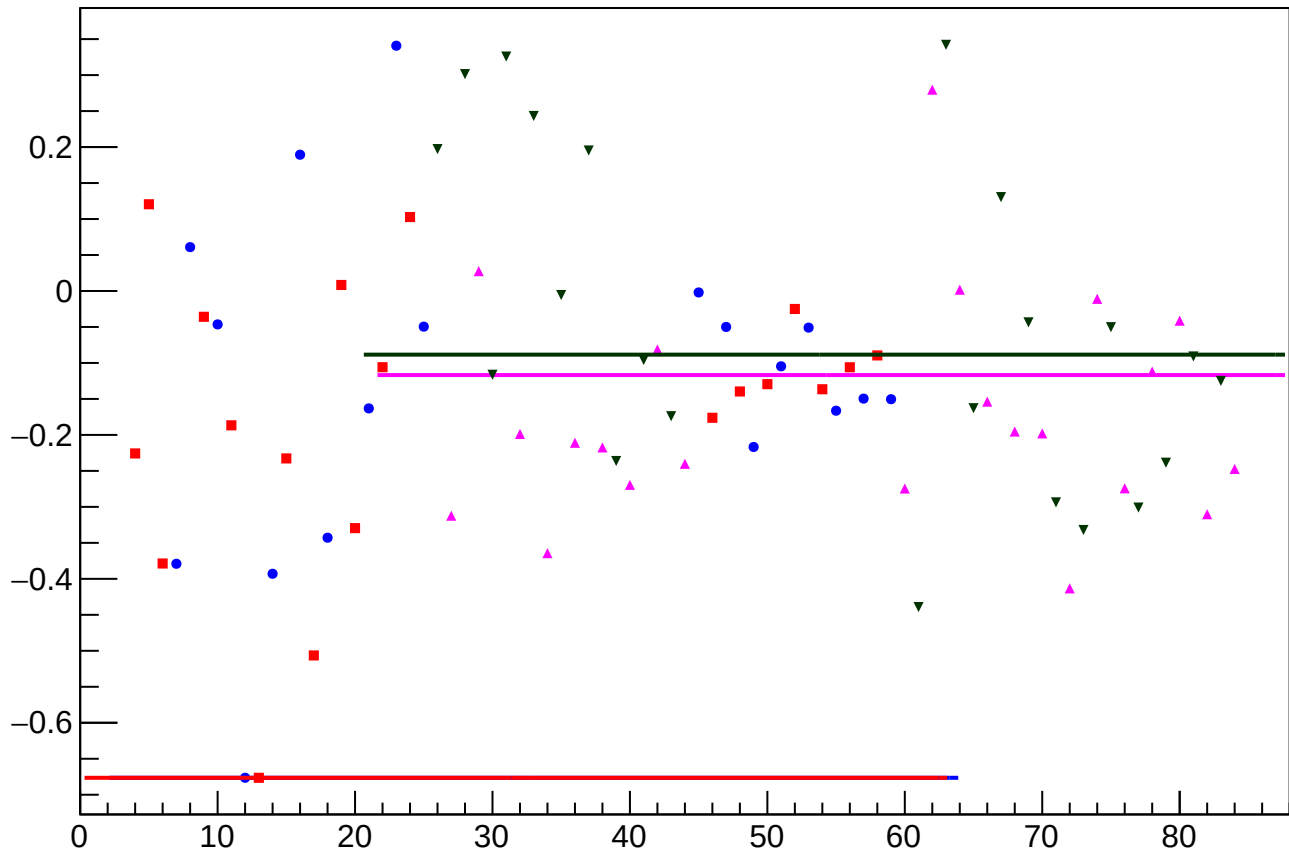
Right Out: 0.000+/-0.000 χ^2/NDF : 697661.6/18

Left In: 0.000+/-0.000 χ^2/NDF : 6240.3/21

0.000+/-0.000 χ^2/NDF : 11106.6/39

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 : 36855224.1/21

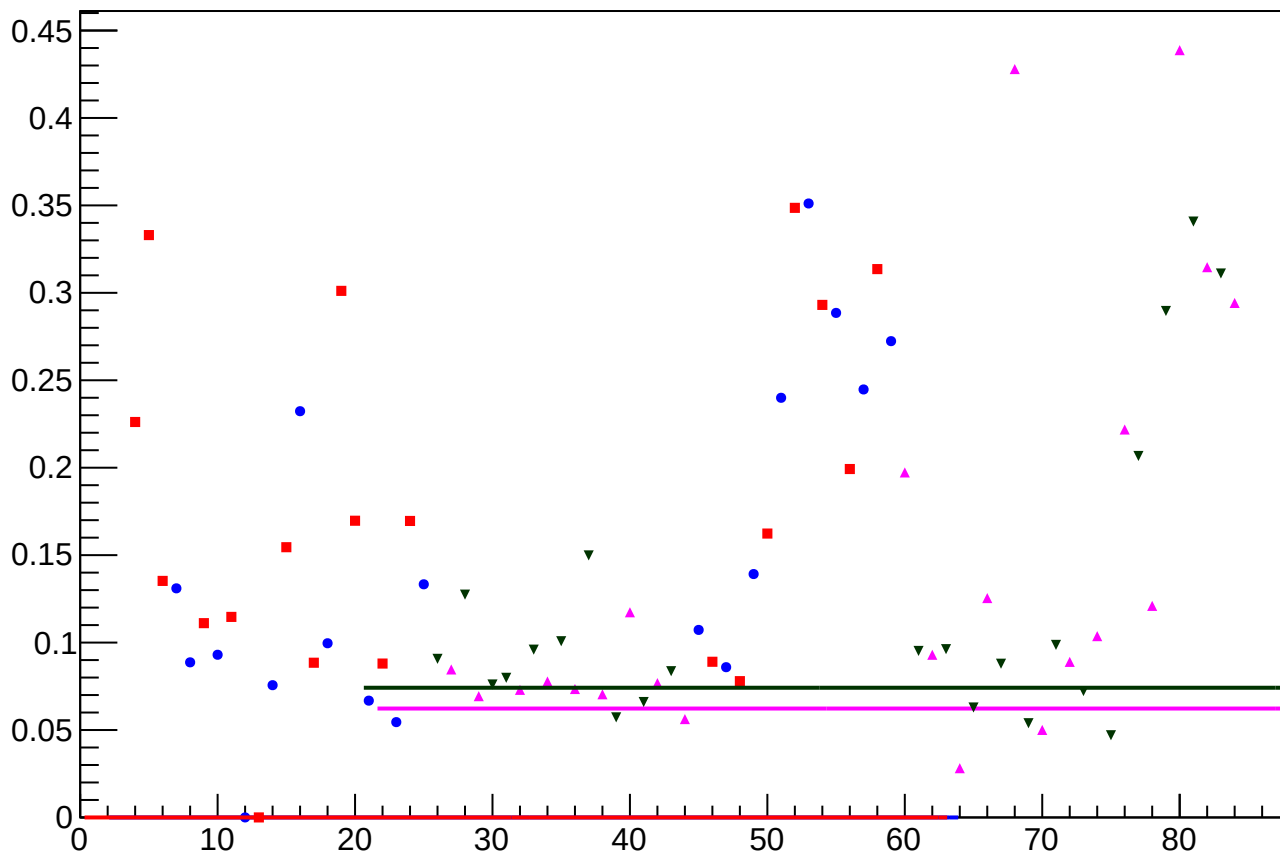
-0.676+/-0.000 χ^2/NDF : 688607516.2/39

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: 0.074+/-0.000 χ^2/NDF : 2906038.3/21

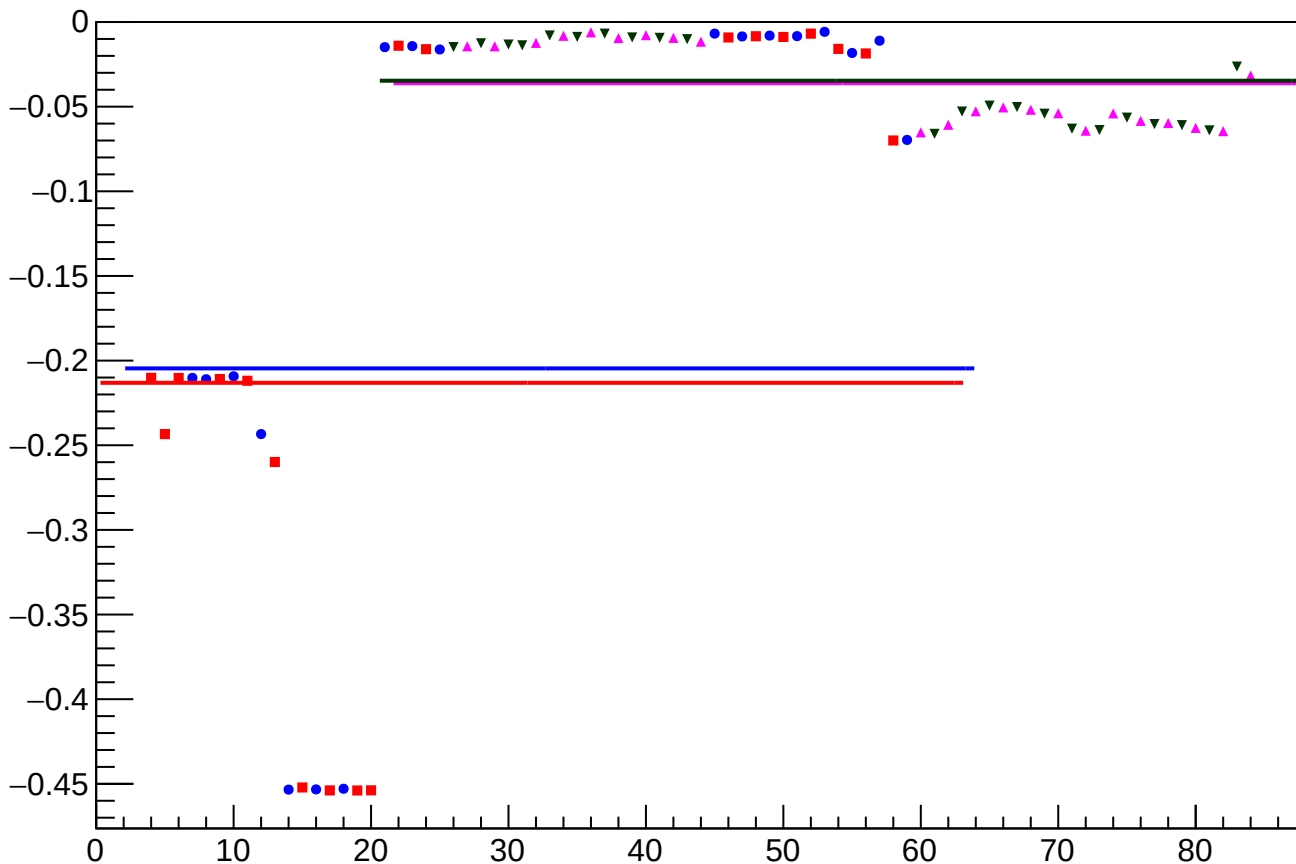
Right Out: 0.000+/-0.000 χ^2/NDF : 13760955.7/18

Left In: 0.062+/-0.000 χ^2/NDF : 5578166.5/21

0.000+/-0.000 χ^2/NDF : 31354810.1/39

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 : 68830195.9/21

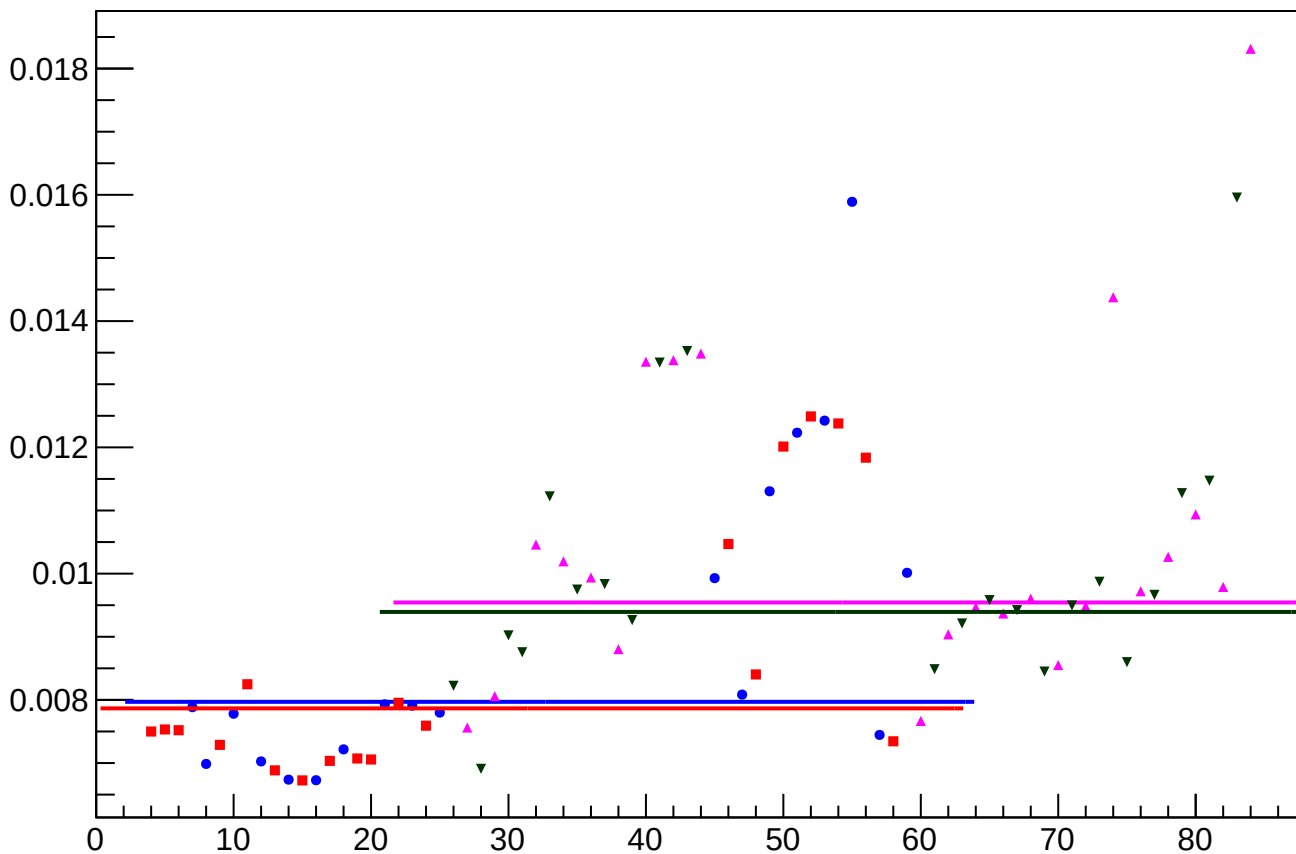
-0.133+/-0.000 χ^2/NDF : 7655196680.1/39

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: 0.009+/-0.000 χ^2/NDF : 660464.6/21

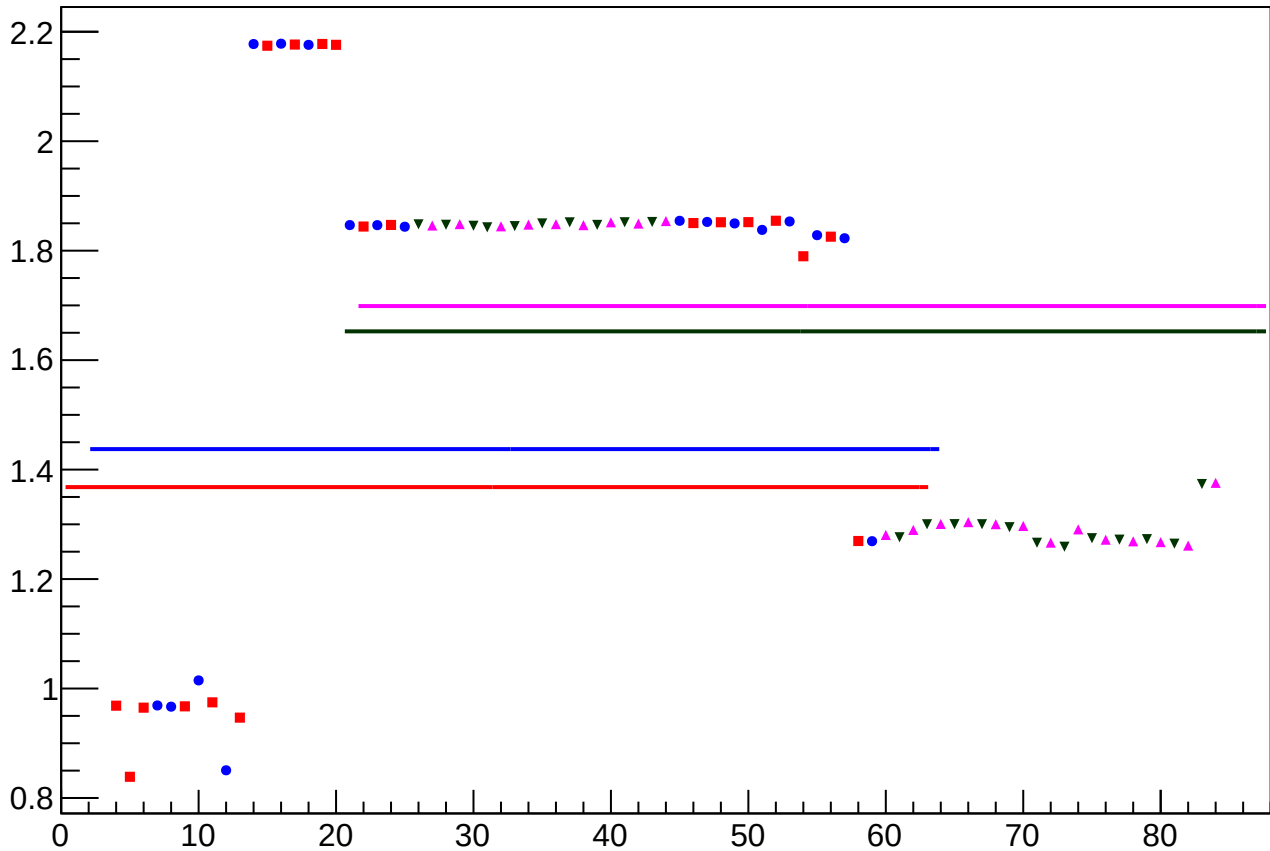
Right Out: 0.008+/-0.000 χ^2/NDF : 696189.4/18

Left In: 0.010+/-0.000 χ^2/NDF : 898297.5/21

0.009+/-0.000 χ^2/NDF : 1891575.5/39

0.009+/-0.000 χ^2/NDF : 1986833.5/40

yield_bpm4aY_mean vs slug



Right In: 1.437 $\pm$ 0.000 χ^2 /NDF: 14236590294.3/17

Left Out: 1.653 $\pm$ 0.000 χ^2 /NDF: 3109391159.5/21

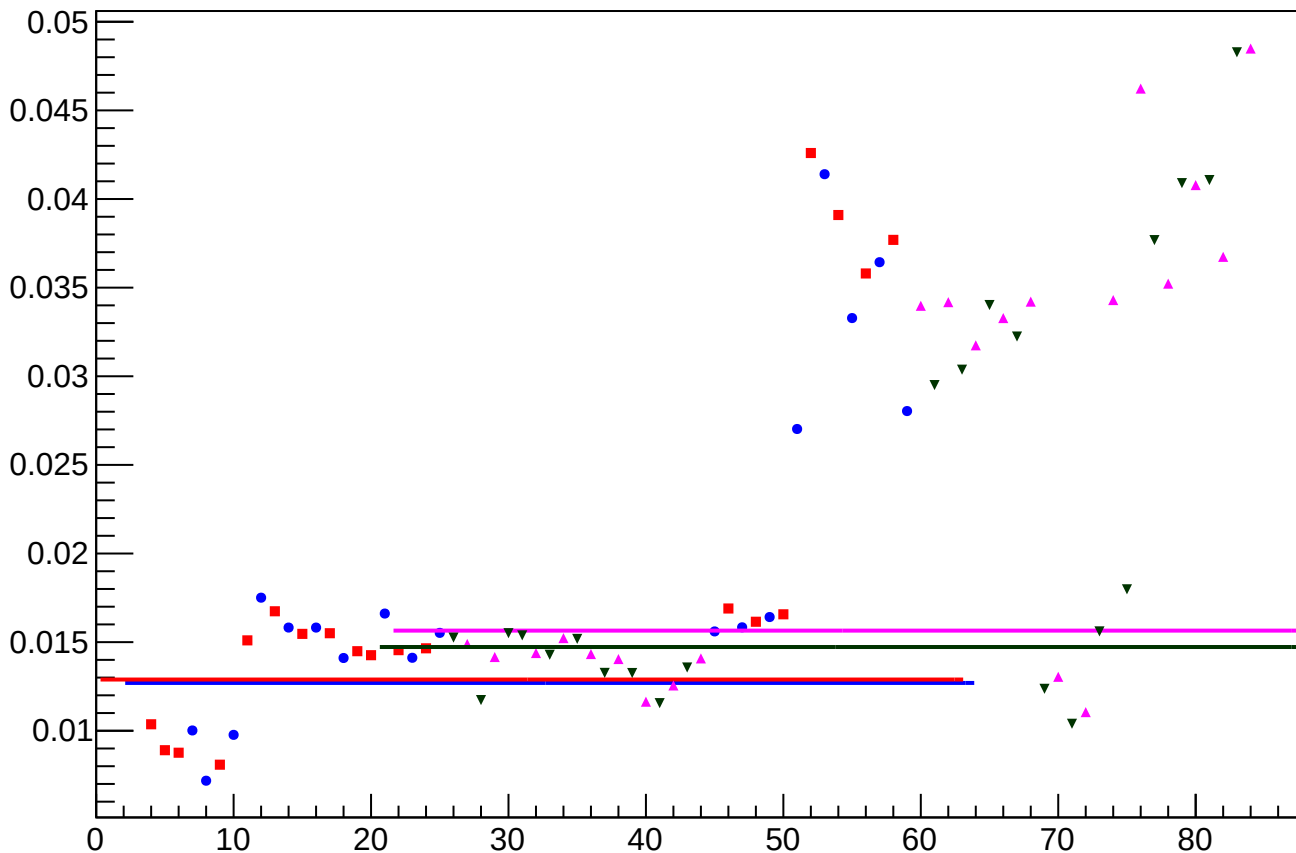
1.531 $\pm$ 0.000 χ^2 /NDF: 18447686625.0/39

Right Out: 1.368 $\pm$ 0.000 χ^2 /NDF: 12592500418.8/18

1.515 $\pm$ 0.000 χ^2 /NDF: 17336475355.6/40

Left In: 1.699 $\pm$ 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 :2971376.7/21

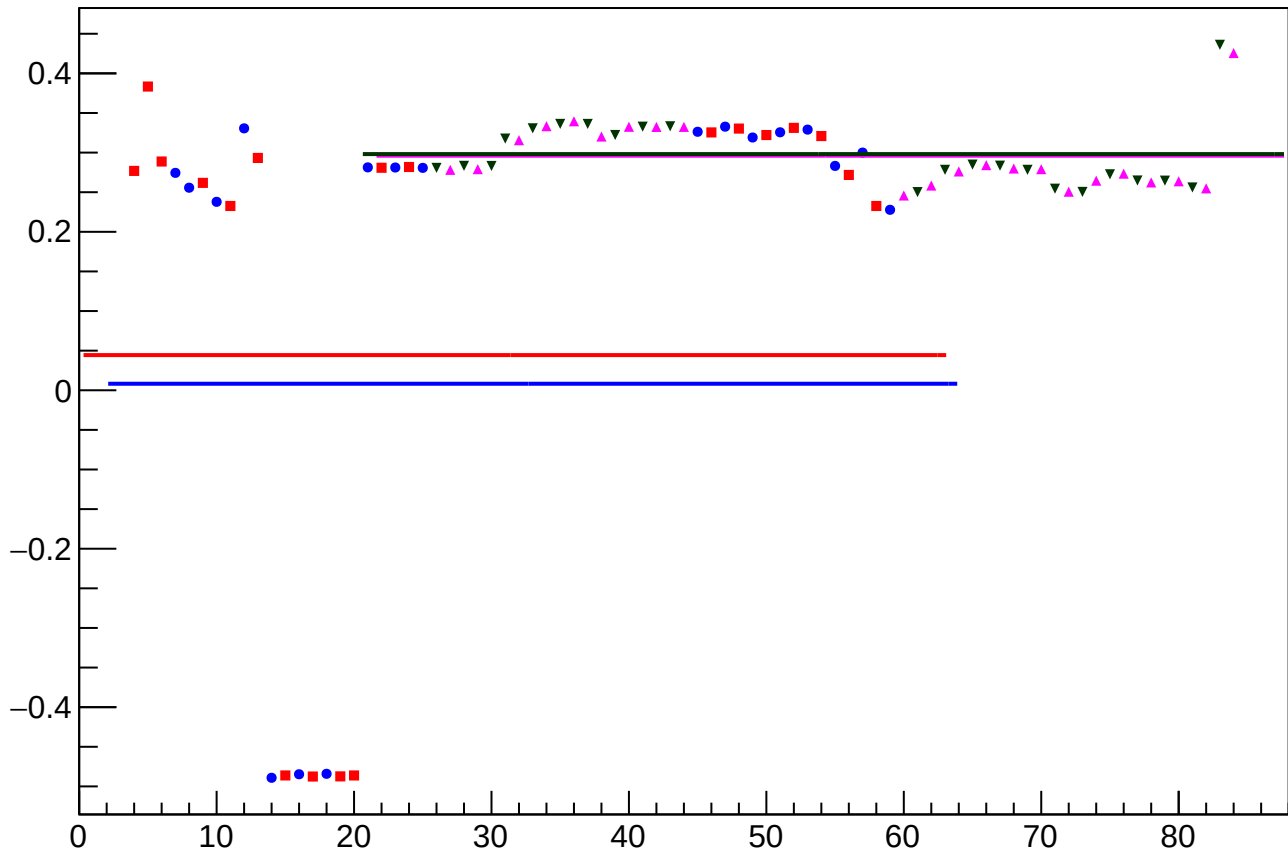
Right Out: 0.013+/-0.000 χ^2/NDF : 2814614.5/18

Left In: 0.016+/-0.000 χ^2/NDF :3655476.9/21

0.014+/-0.000 χ^2/NDF : 6701865.0/39

0.014+/-0.000 χ^2/NDF : 6796740.0/40

yield_bpm4eX_mean vs slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 3589016563.4/17

Left Out: 0.298 $\pm$ 0.000 χ^2 /NDF:15586013.6/21

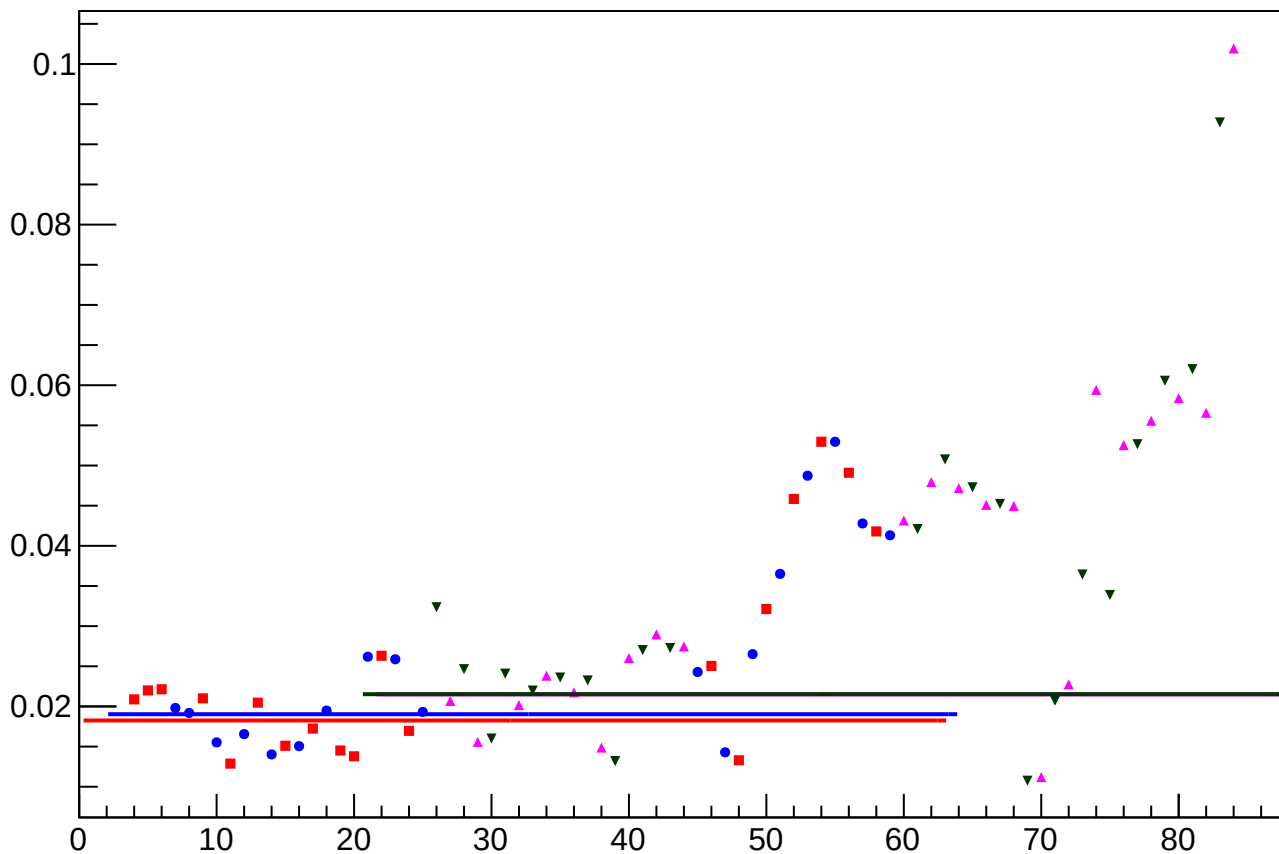
0.129 $\pm$ 0.000 χ^2 /NDF: 4505503438.8/39

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

0.154 $\pm$ 0.000 χ^2 /NDF: 3861188967.3/40

Left In: 0.296 $\pm$ 0.000 χ^2 /NDF:14667651.8/21

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 : 4706323.9/21

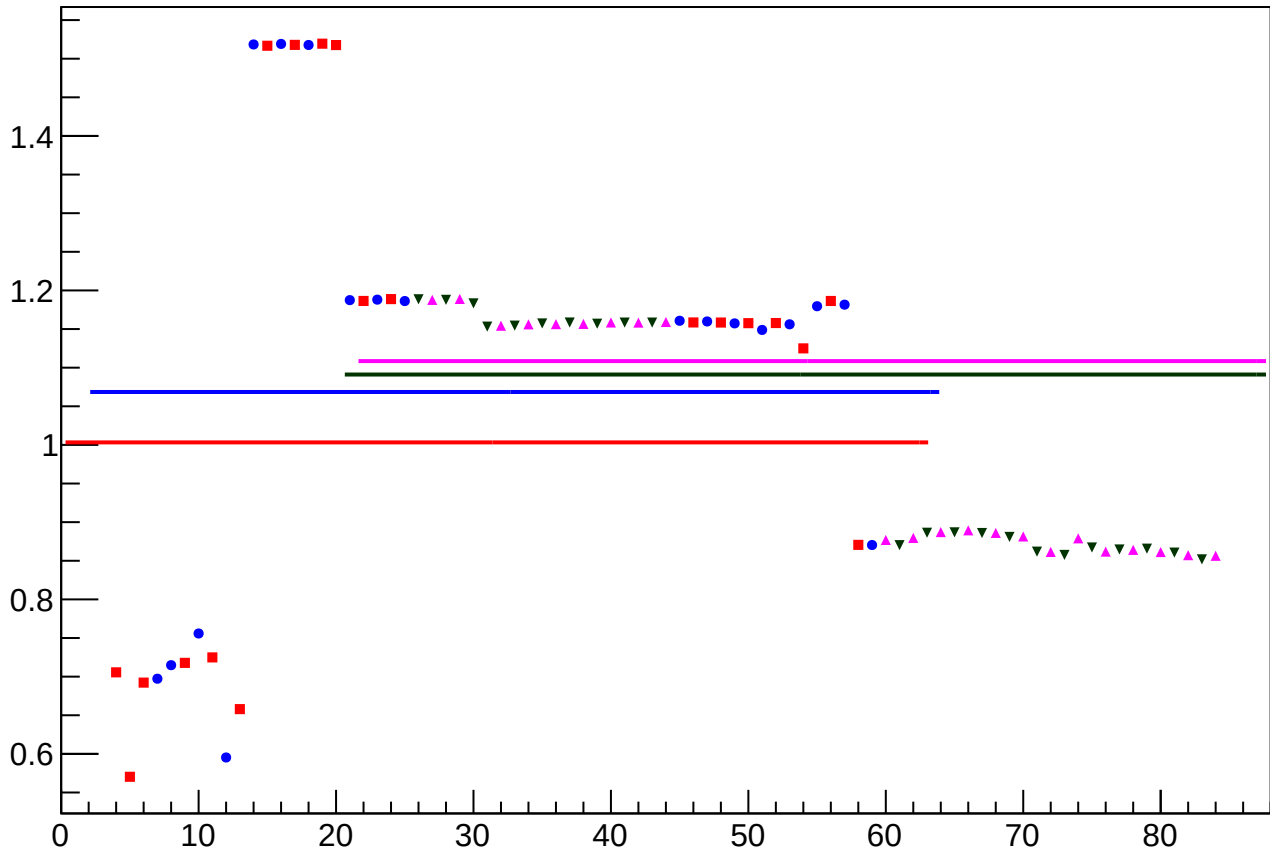
Right Out: 0.018+/-0.000 χ^2/NDF : 2485378.5/18

Left In: 0.021+/-0.000 χ^2/NDF : 5261798.5/21

0.020+/-0.000 χ^2/NDF : 7434441.5/39

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: 1.091+/-0.000 χ^2/NDF :1504111370.8/21

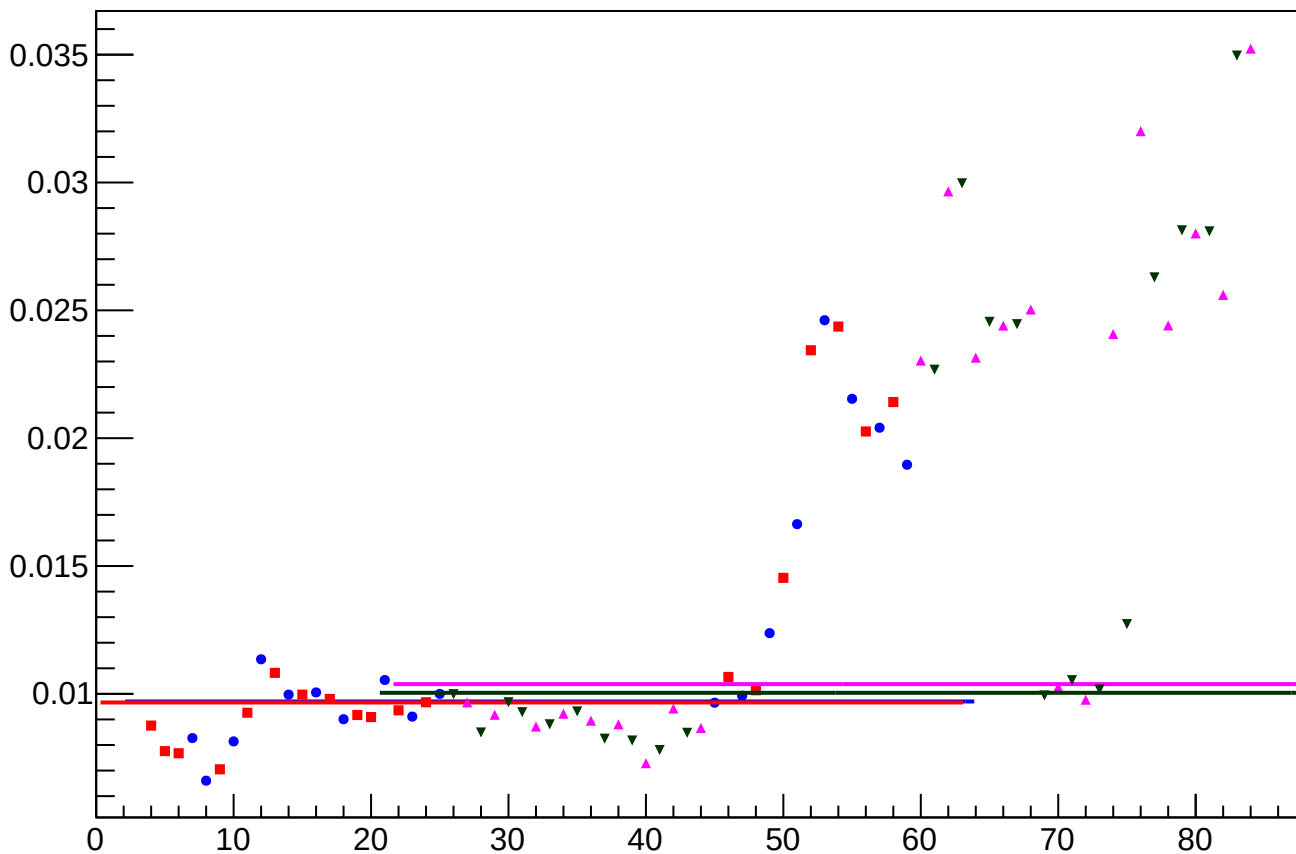
1.079+/-0.000 χ^2/NDF : 12076705208.2/39

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 : 3175991.7/21

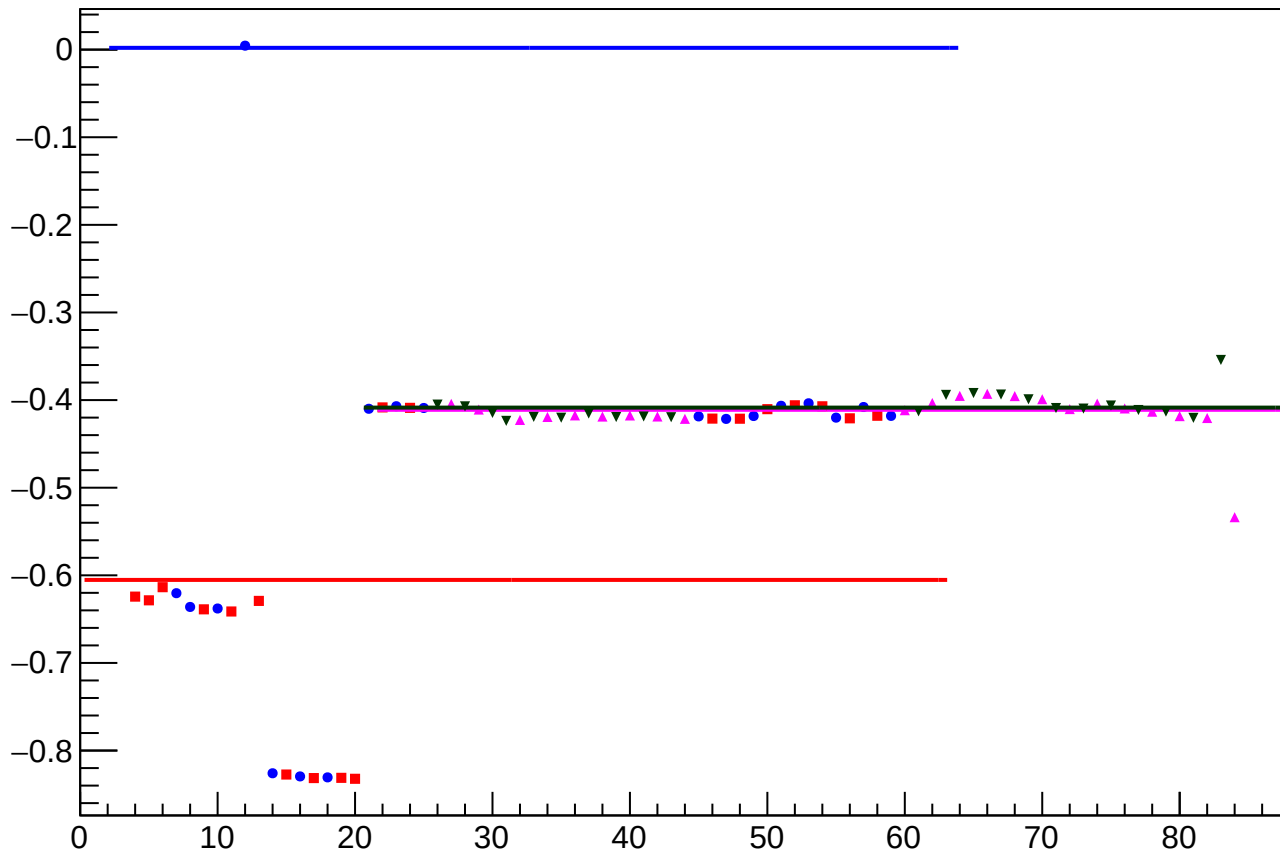
Right Out: 0.010+/-0.000 χ^2/NDF : 1597012.3/18

Left In: 0.010+/-0.000 χ^2/NDF : 3992954.5/21

0.010+/-0.000 χ^2/NDF : 5092551.3/39

0.010+/-0.000 χ^2/NDF : 5635596.8/40

yield_bpm4acX_mean vs slug



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

Left Out: -0.409+/-0.000 χ^2/NDF : 15063501.5/21

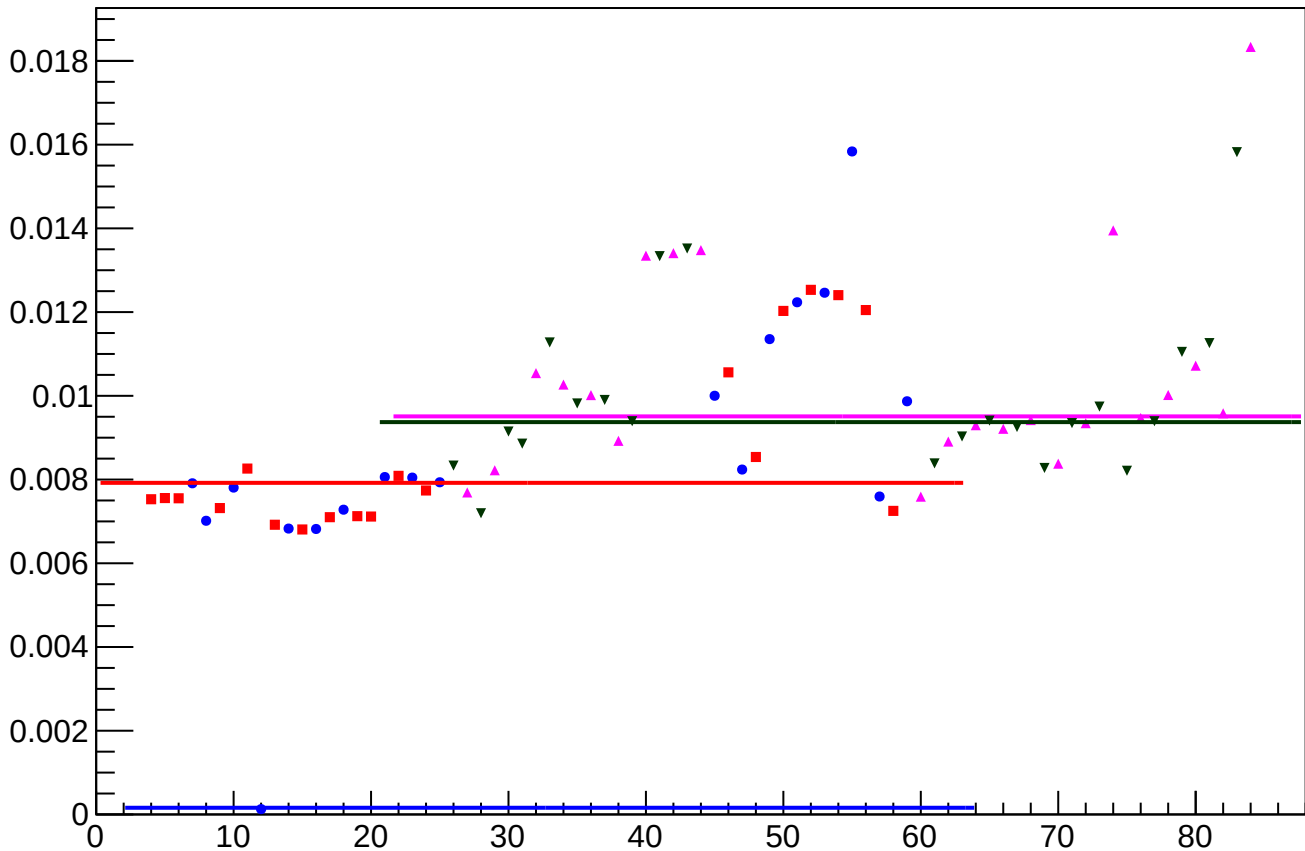
Right Out: -0.605+/-0.000 χ^2/NDF : 3819629229.5/18

Left In: -0.411+/-0.000 χ^2/NDF : 34449338.0/21

0.001+/-0.000 χ^2/NDF : 80600168136.9/39

-0.516+/-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 : 613078.3/21

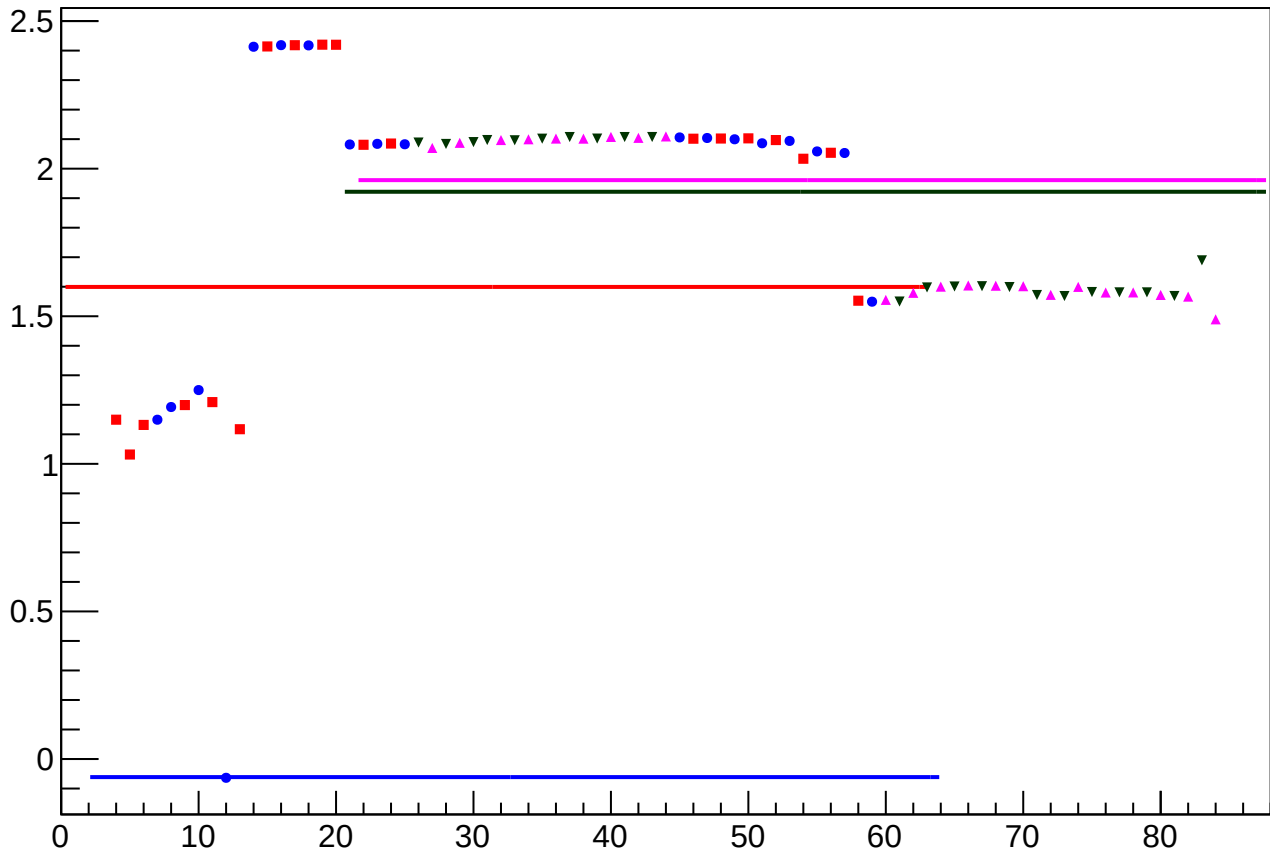
0.000+/-0.000 χ^2/NDF : 41849079.2/39

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: 1.922+/-0.000 χ^2/NDF : 2459201632.4/21

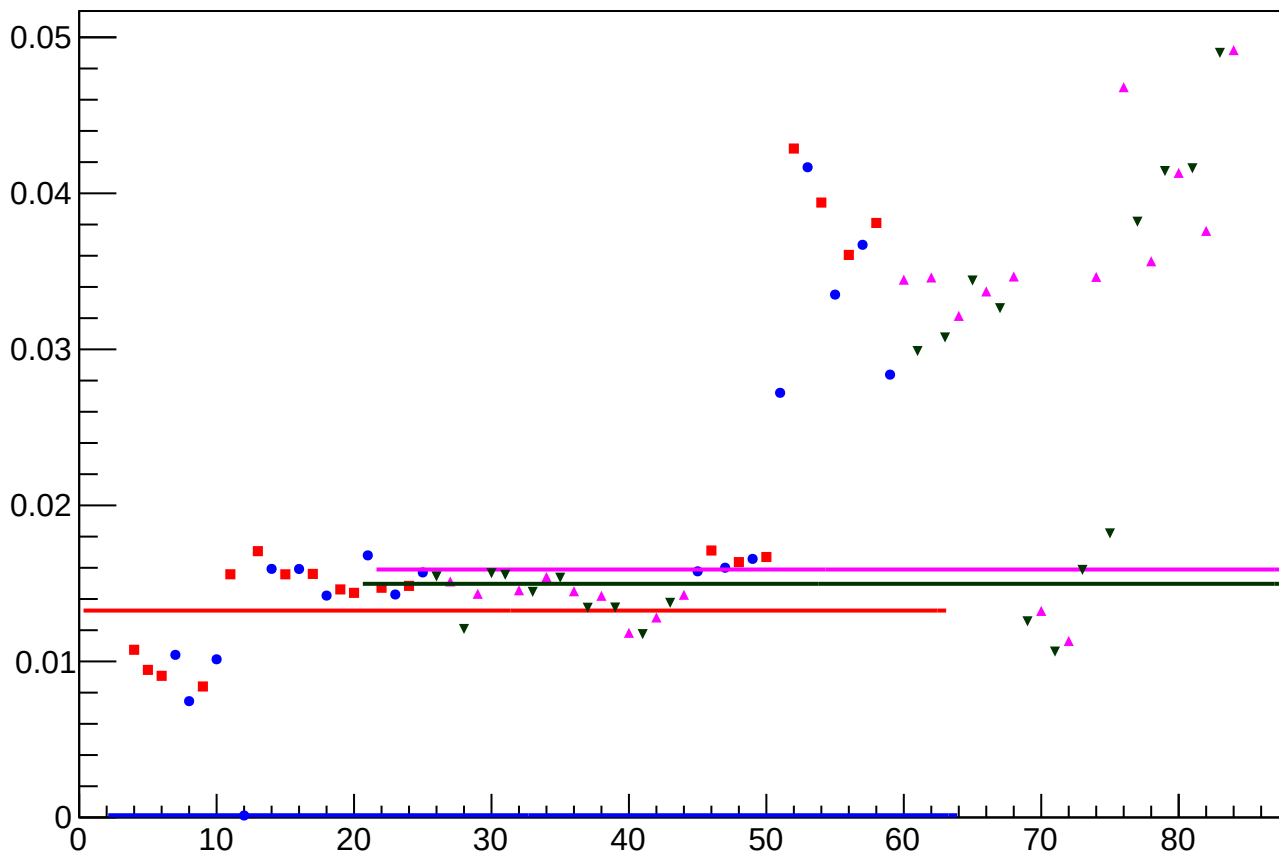
-0.059+/-0.000 χ^2/NDF : 333937537480.2/39

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 : 2943527.8/21

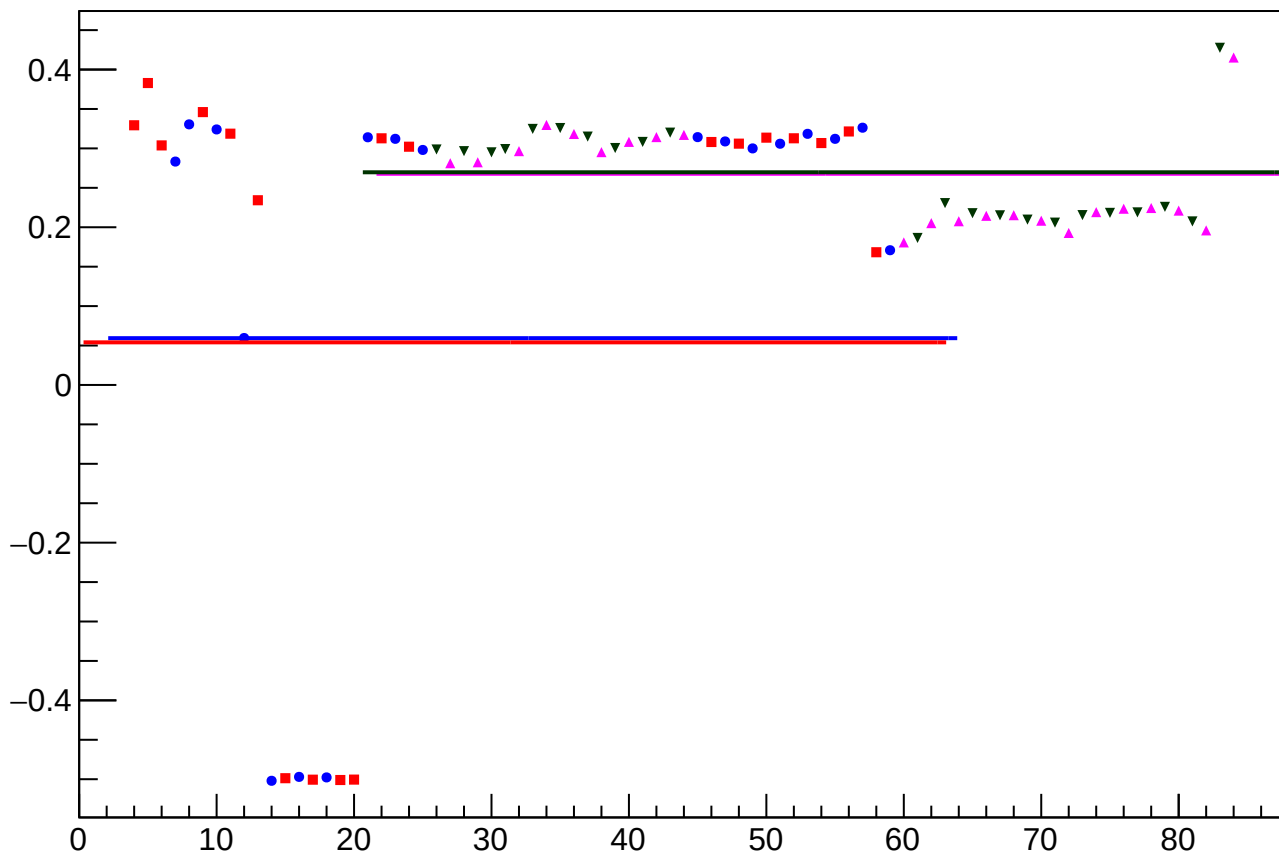
Right Out: 0.013+/-0.000 χ^2/NDF : 2690130.8/18

Left In: 0.016+/-0.000 χ^2/NDF : 3641351.9/21

0.000+/-0.000 χ^2/NDF : 40529418.6/39

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 : 42160301.7/21

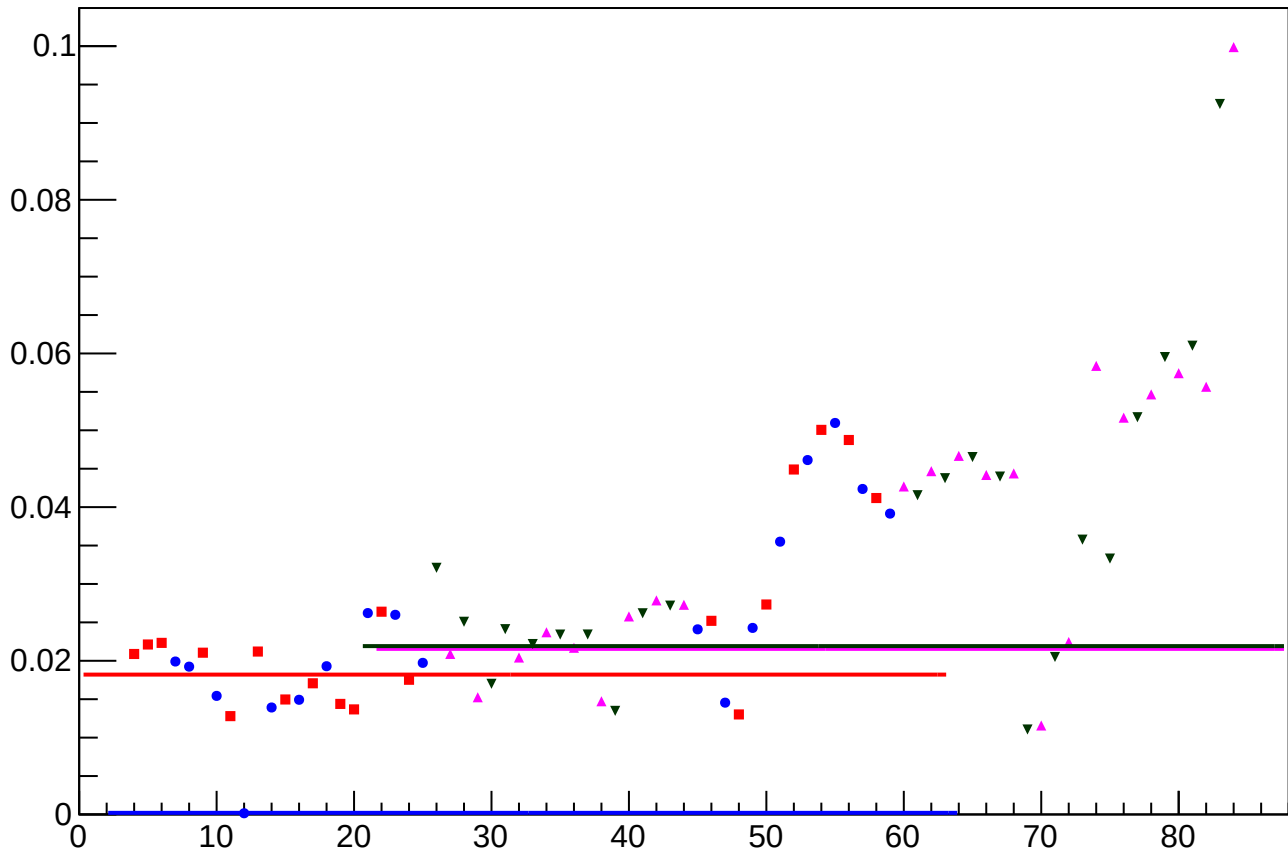
0.060+/-0.000 χ^2/NDF : 4729383798.4/39

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 : 4374803.1/21

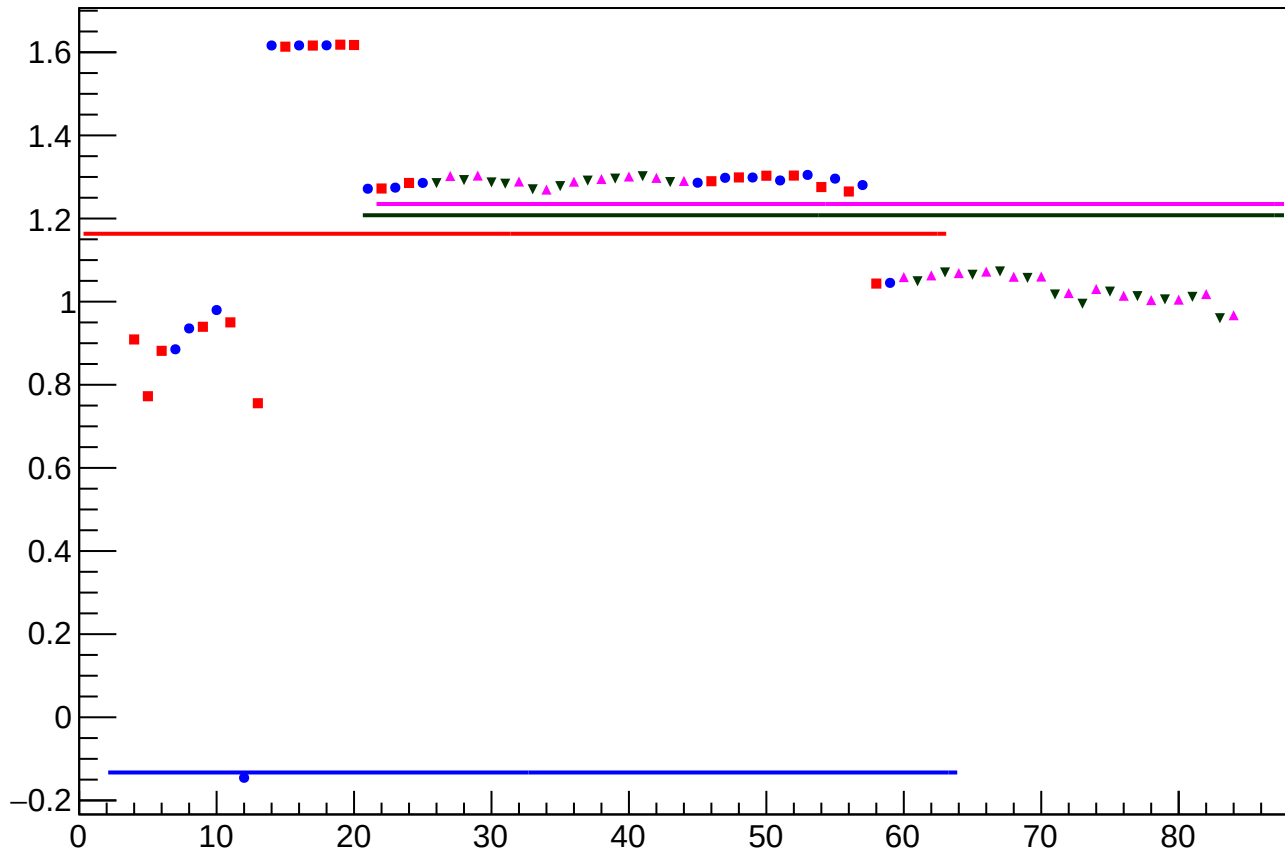
Right Out: 0.018+/-0.000 χ^2/NDF : 2422437.2/18

Left In: 0.022+/-0.000 χ^2/NDF : 5090178.2/21

0.000+/-0.000 χ^2/NDF : 41115425.1/39

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: 1.208 ± 0.000 χ^2/NDF : 1083839485.7/21

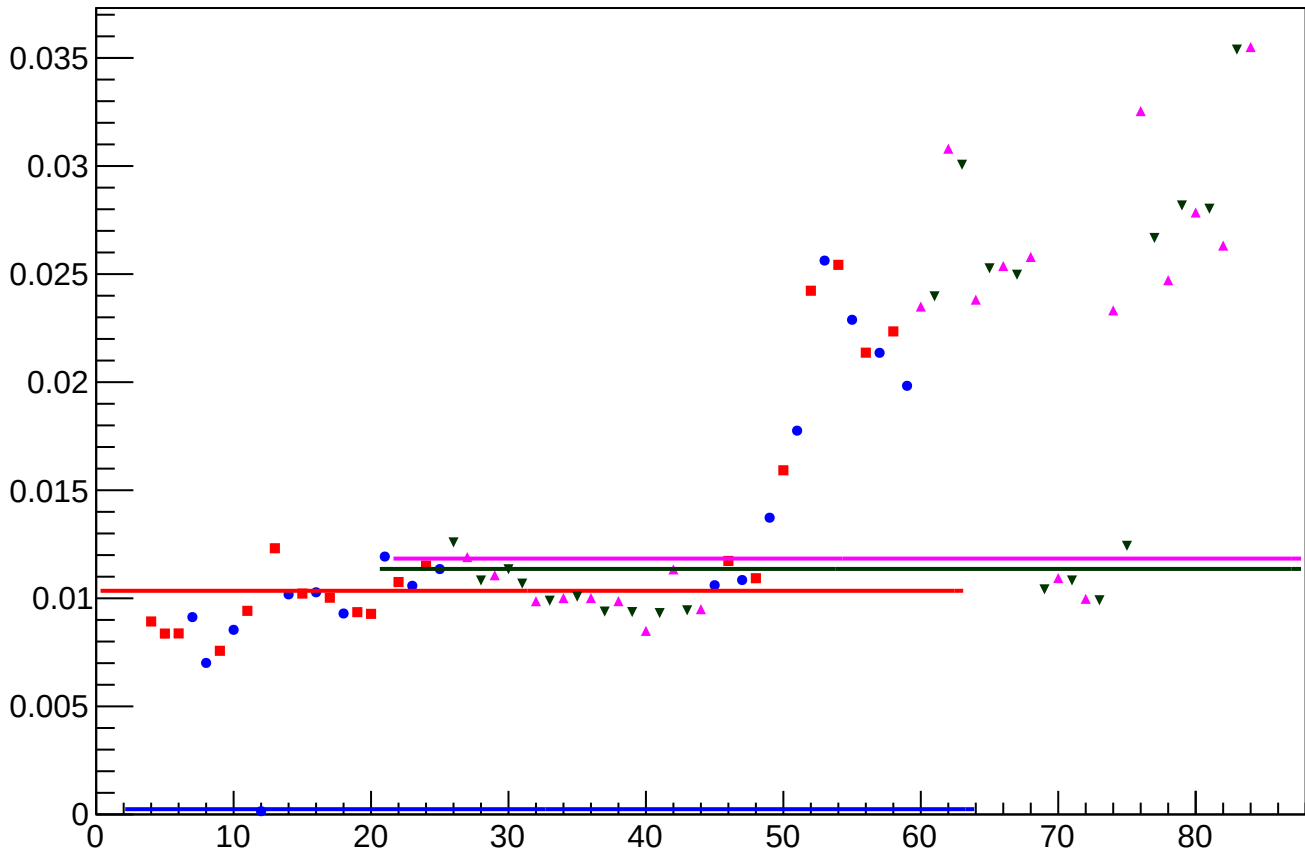
-0.122 ± 0.000 χ^2/NDF : 299104999892.7/39

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 : 2735085.3/21

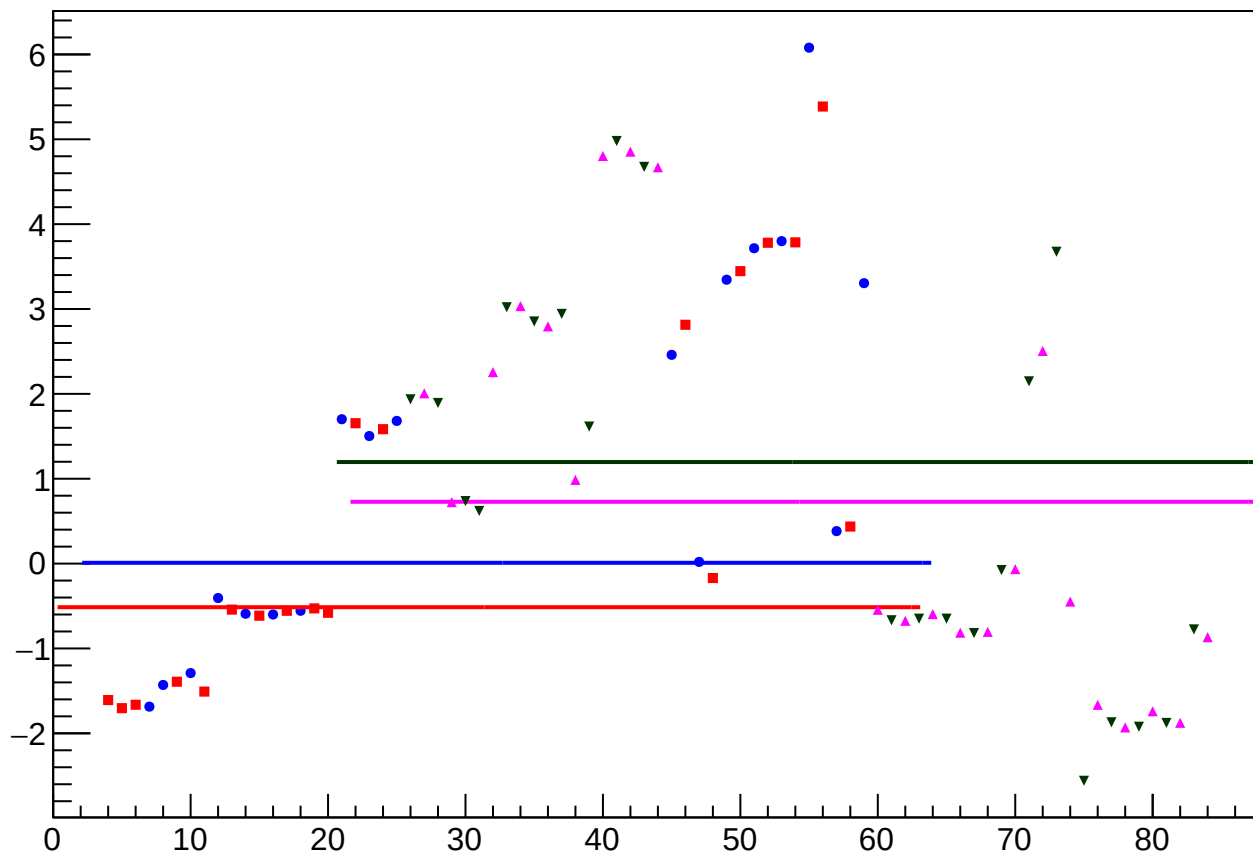
Right Out: 0.010+/-0.000 χ^2/NDF : 1619353.0/18

Left In: 0.012+/-0.000 χ^2/NDF : 3506510.3/21

0.000+/-0.000 χ^2/NDF : 39633617.4/39

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: 1.197+/-0.000 χ^2/NDF : 3572541324.7/21

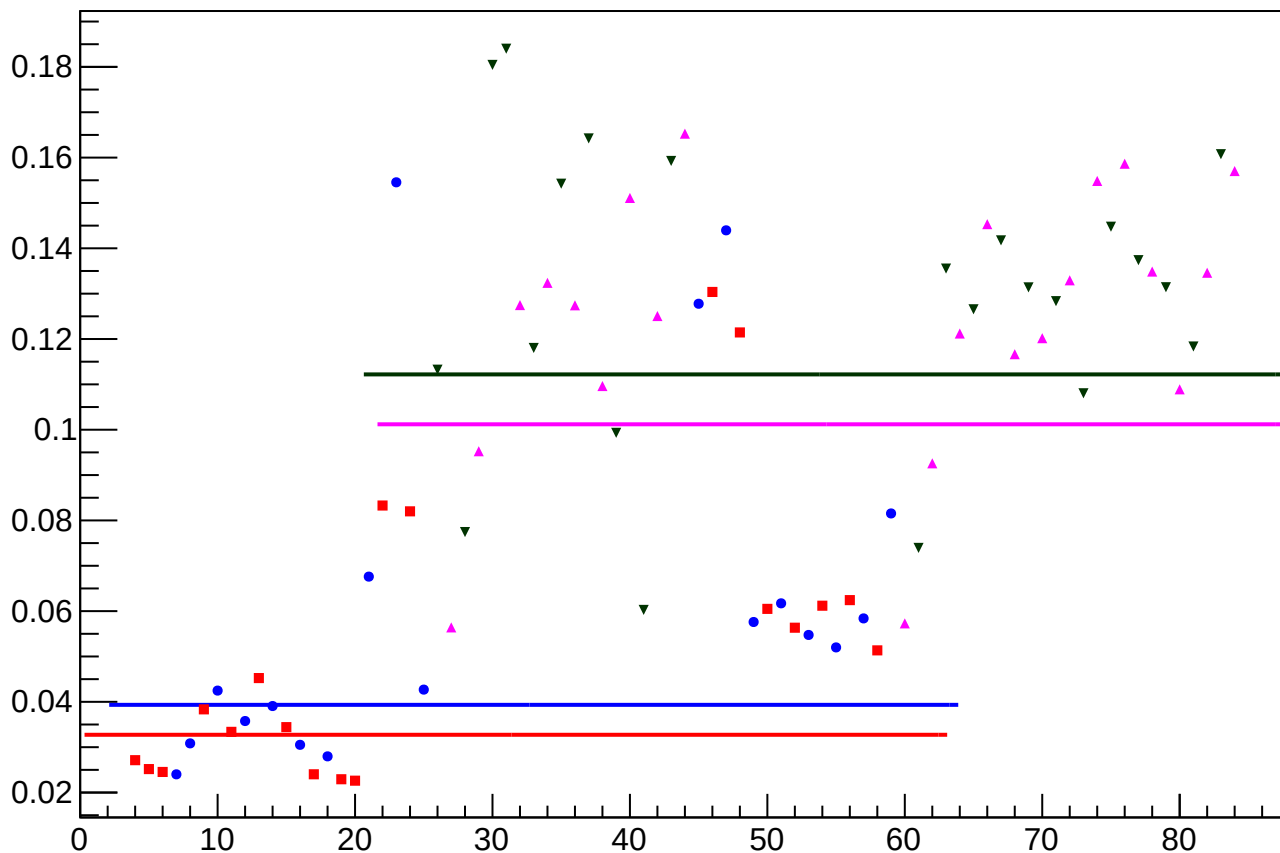
Right Out: -0.514+/-0.000 χ^2/NDF : 14474436949.2/18

Left In: 0.728+/-0.000 χ^2/NDF : 2985500427.9/21

0.157+/-0.000 χ^2/NDF : 22540331591.1/39

-0.358+/-0.000 χ^2/NDF : 18643388692.2/40

yield_bpm1X_rms vs slug



Right In: 0.039+/-0.000 χ^2/NDF : 3078164.7/17

Left Out: 0.112+/-0.000 χ^2/NDF :1609372.3/21

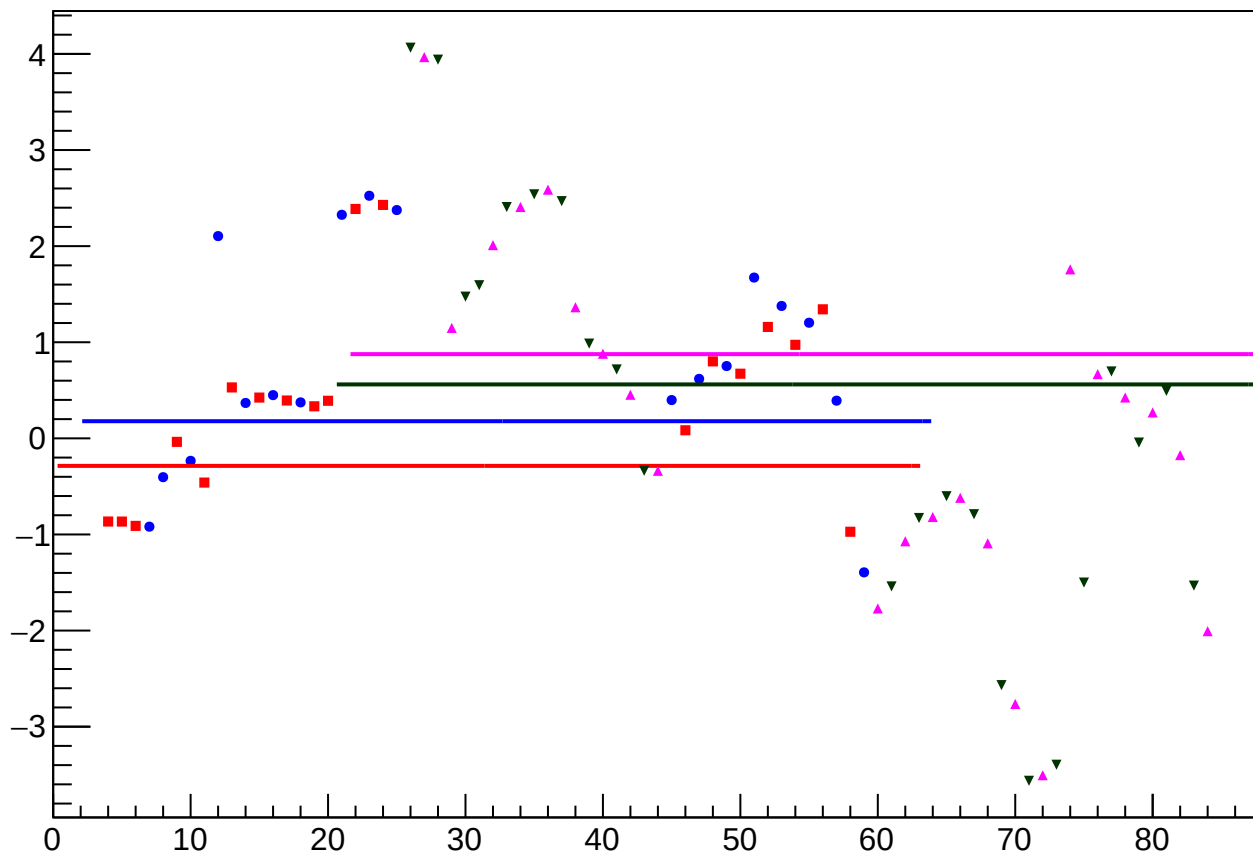
Right Out: 0.033+/-0.000 χ^2/NDF : 2838022.5/18

Left In: 0.101+/-0.000 χ^2/NDF :2315270.6/21

0.048+/-0.000 χ^2/NDF : 10959529.0/39

0.041+/-0.000 χ^2/NDF : 12341806.2/40

yield_bpm1Y_mean vs slug



Right In: 0.178 ± 0.000 χ^2/NDF : 9482704623.3/17

Left Out: 0.561 ± 0.000 χ^2/NDF : 6570953320.7/21

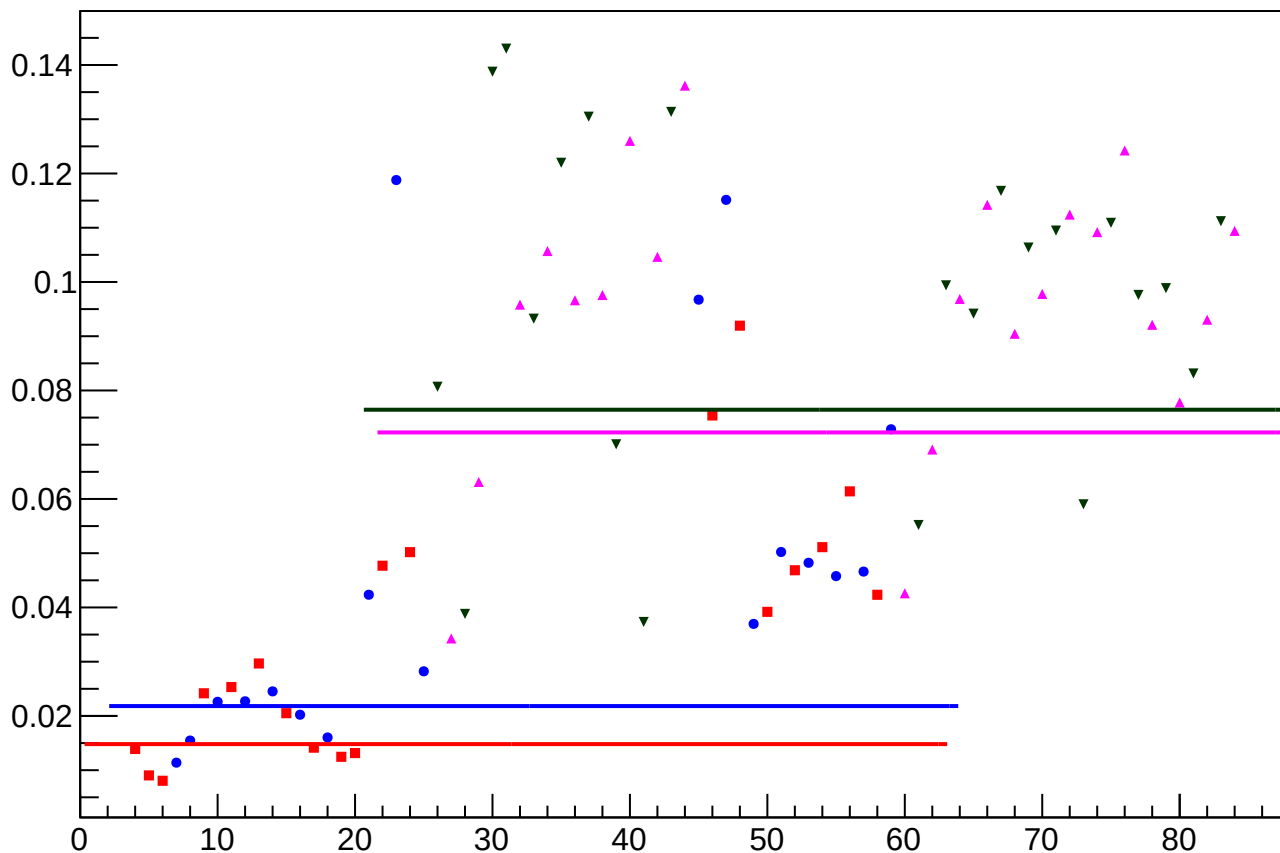
Right Out: -0.286 ± 0.000 χ^2/NDF : 10734675455.5/18

Left In: 0.876 ± 0.000 χ^2/NDF : 8016696131.8/21

0.214 ± 0.000 χ^2/NDF : 16223620621.5/39

-0.208 ± 0.000 χ^2/NDF : 20744618283.9/40

yield_bpm1Y_rms vs slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 4669284.8/17

Left Out: 0.076 $\pm$ 0.000 χ^2 /NDF:2678590.6/21

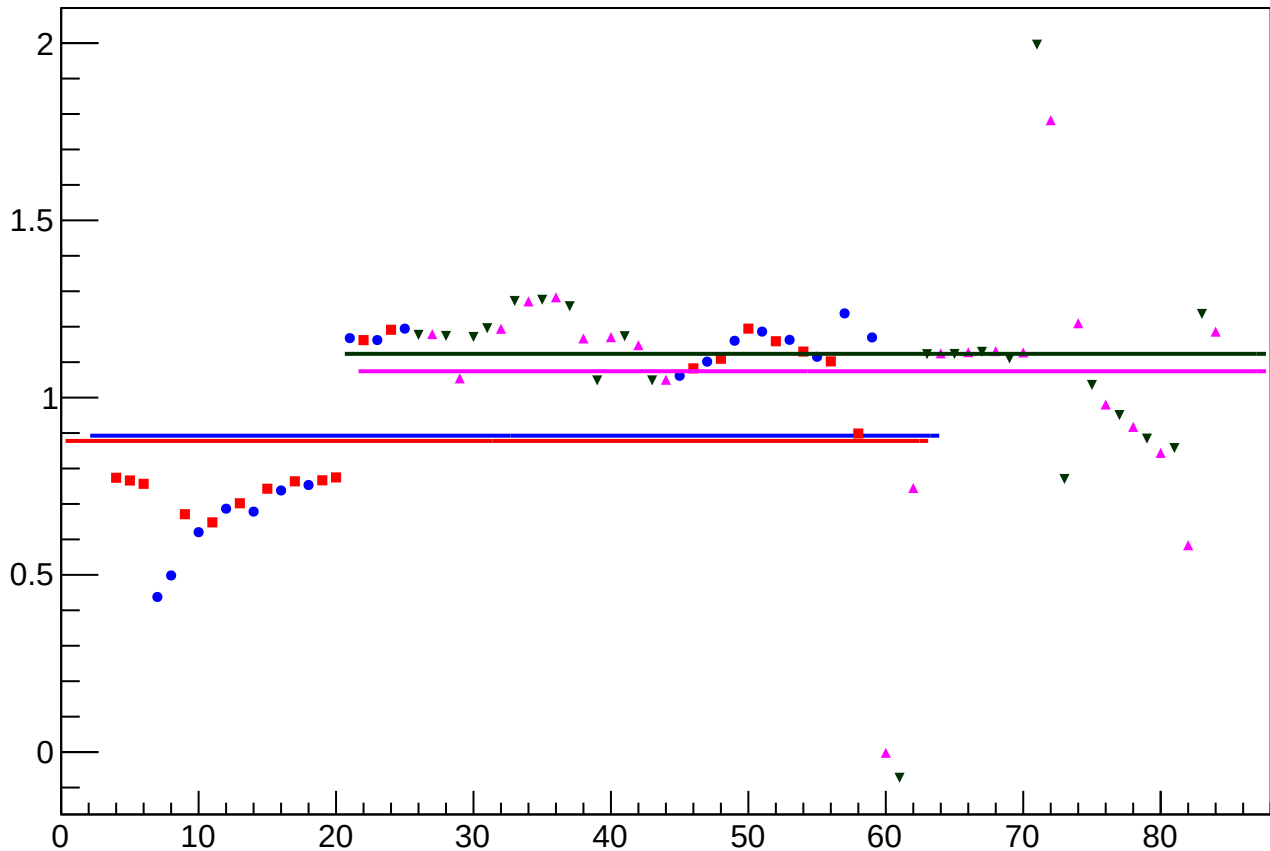
Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 4938559.5/18

Left In: 0.072 $\pm$ 0.000 χ^2 /NDF:3139750.7/21

0.027 $\pm$ 0.000 χ^2 /NDF: 14269737.3/39

0.019 $\pm$ 0.000 χ^2 /NDF: 17814845.8/40

yield_bpm11X_mean vs slug



Right In: 0.893+/-0.000 χ^2/NDF : 1629156385.0/17

Left Out: 1.123+/-0.000 χ^2/NDF : 2135600155.3/21

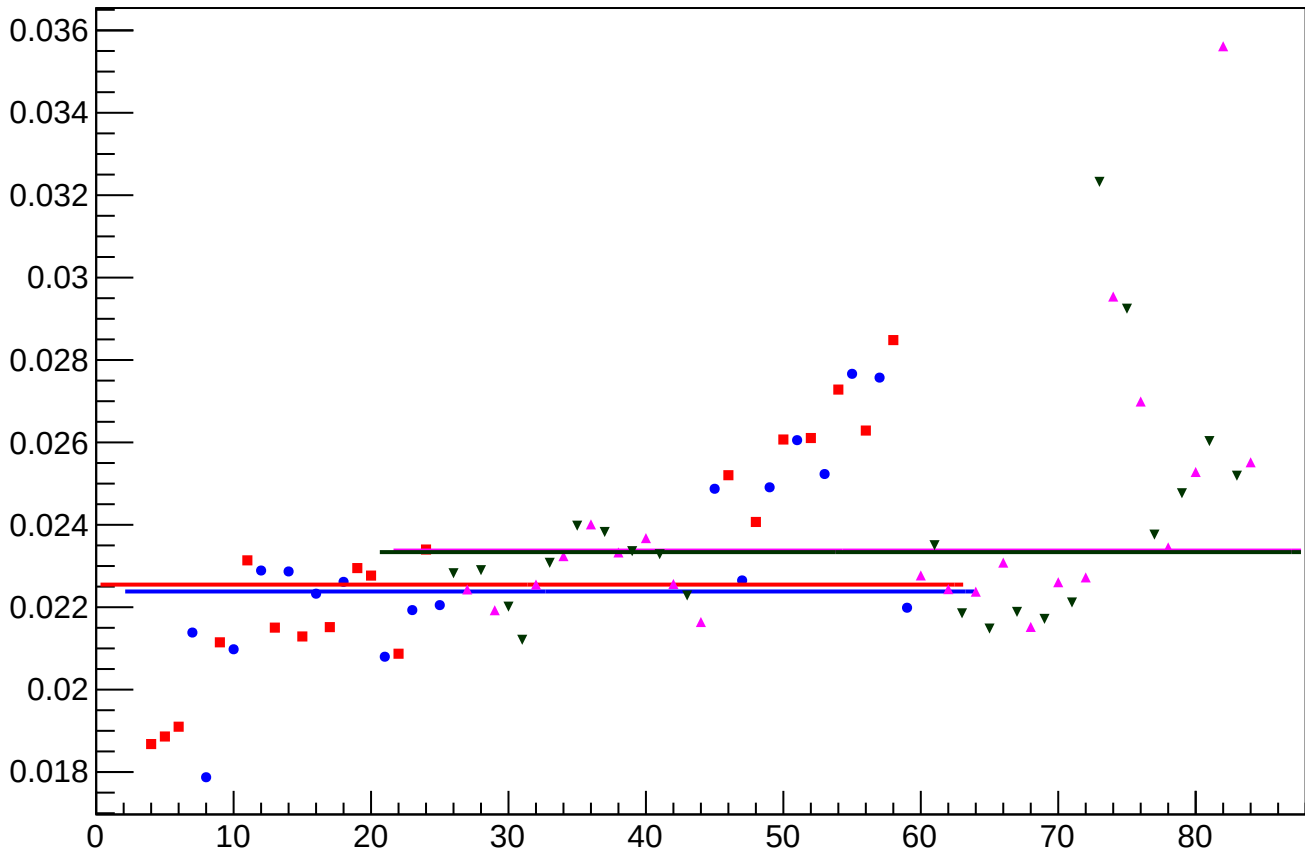
Right Out: 0.878+/-0.000 χ^2/NDF : 761495098.5/18

Left In: 1.074+/-0.000 χ^2/NDF : 1928777944.3/21

1.004+/-0.000 χ^2/NDF : 4317740260.1/39

0.983+/-0.000 χ^2/NDF : 3075417526.0/40

yield_bpm11X_rms vs slug



Right In: 0.022+/-0.000 χ^2/NDF : 264611.3/17

Left Out: 0.023+/-0.000 χ^2/NDF :174083.7/21

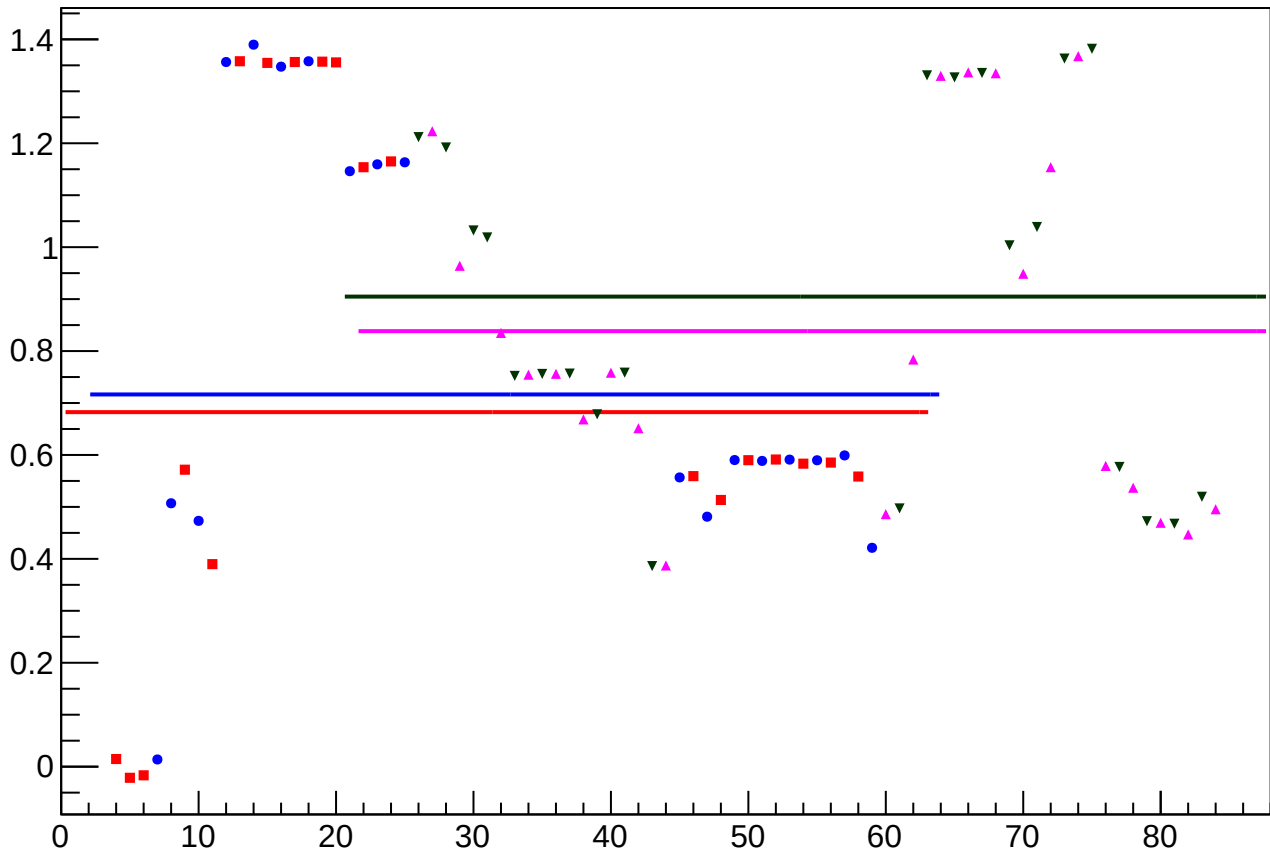
Right Out: 0.023+/-0.000 χ^2/NDF : 246194.4/18

Left In: 0.023+/-0.000 χ^2/NDF :208553.7/21

0.023+/-0.000 χ^2/NDF : 457640.1/39

0.023+/-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: 0.905+/-0.000 χ^2/NDF : 108055567255.8/21

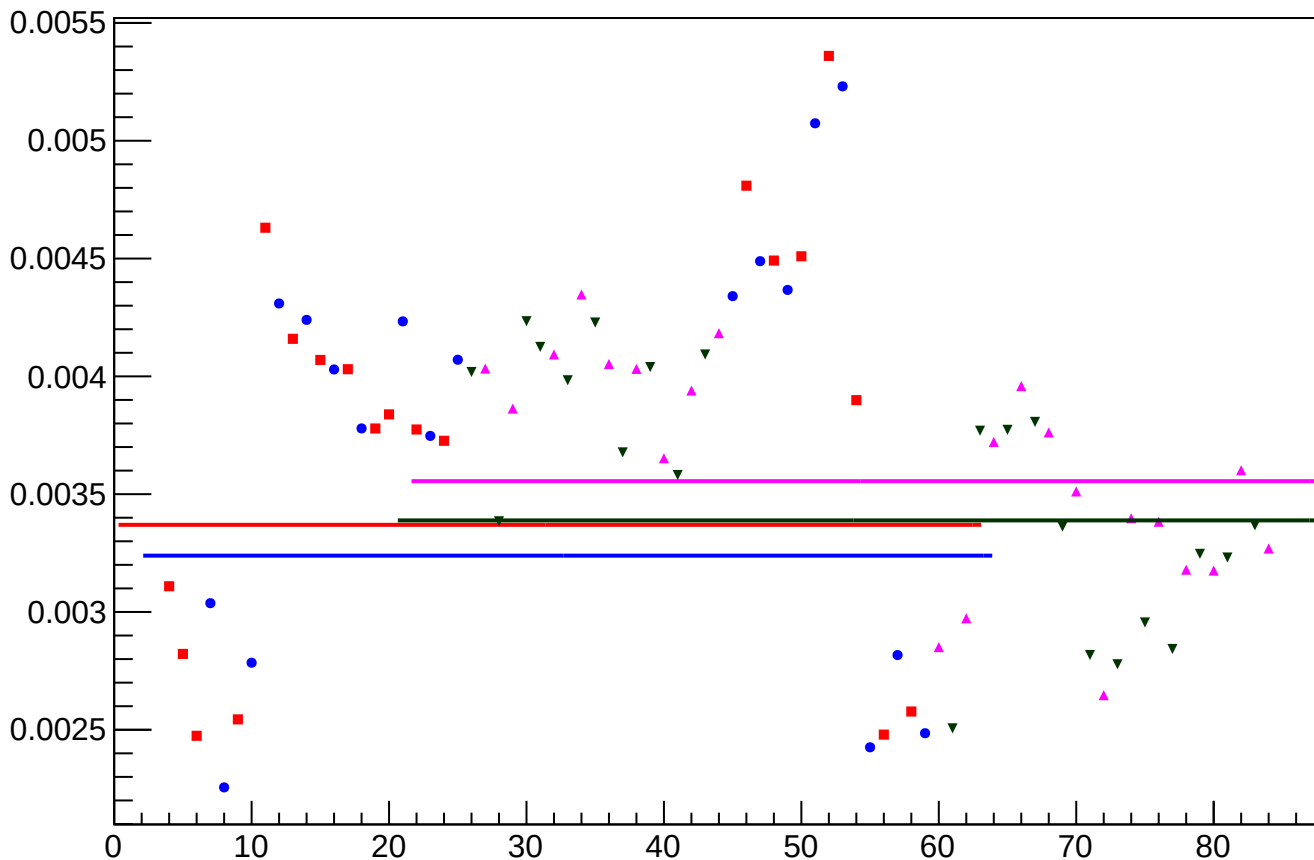
0.810+/-0.000 χ^2/NDF : 256105845308.6/39

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 :493948.0/21

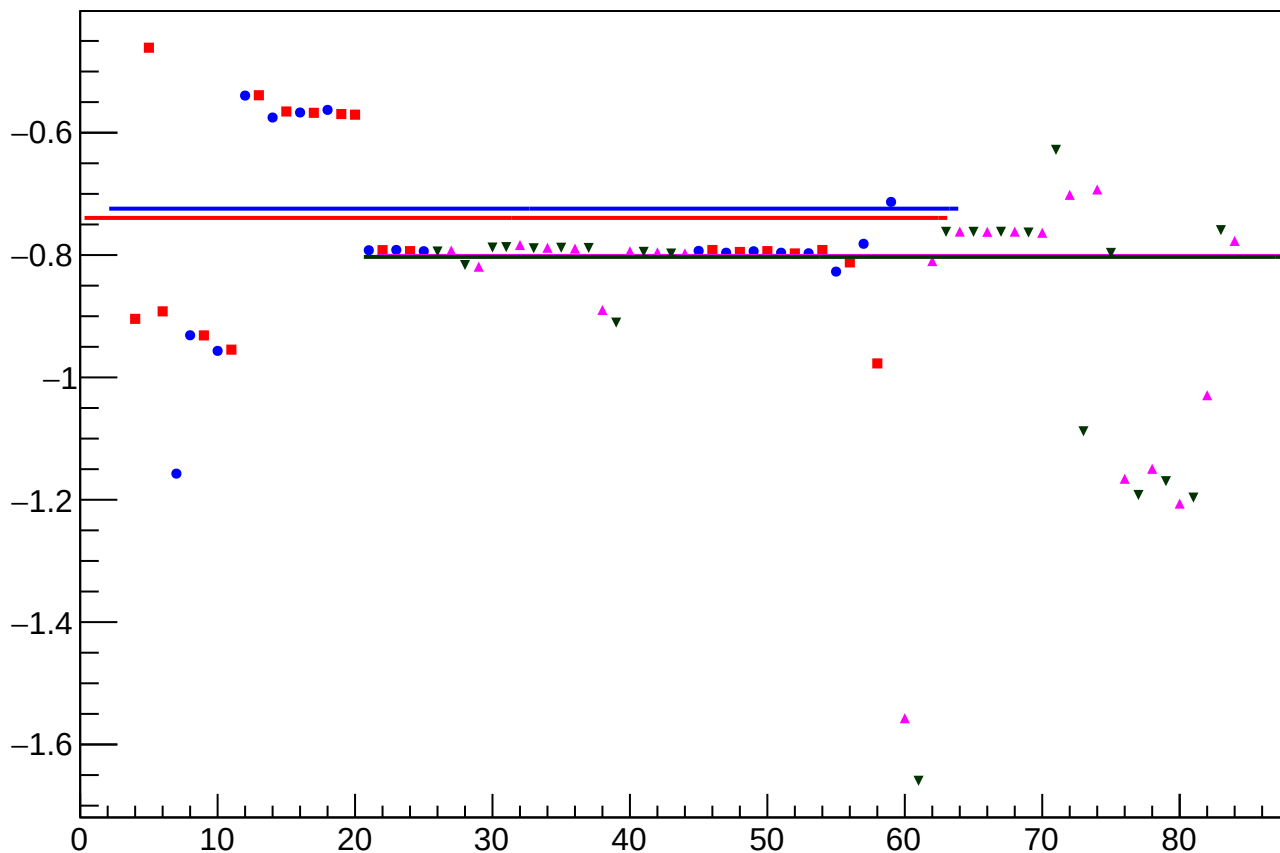
0.003+/-0.000 χ^2/NDF : 2067846.7/39

Right Out: 0.003+/-0.000 χ^2/NDF : 1158167.7/18

0.003+/-0.000 χ^2/NDF : 1583161.6/40

Left In: 0.004+/-0.000 χ^2/NDF :395965.4/21

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: 1001089639.7/21

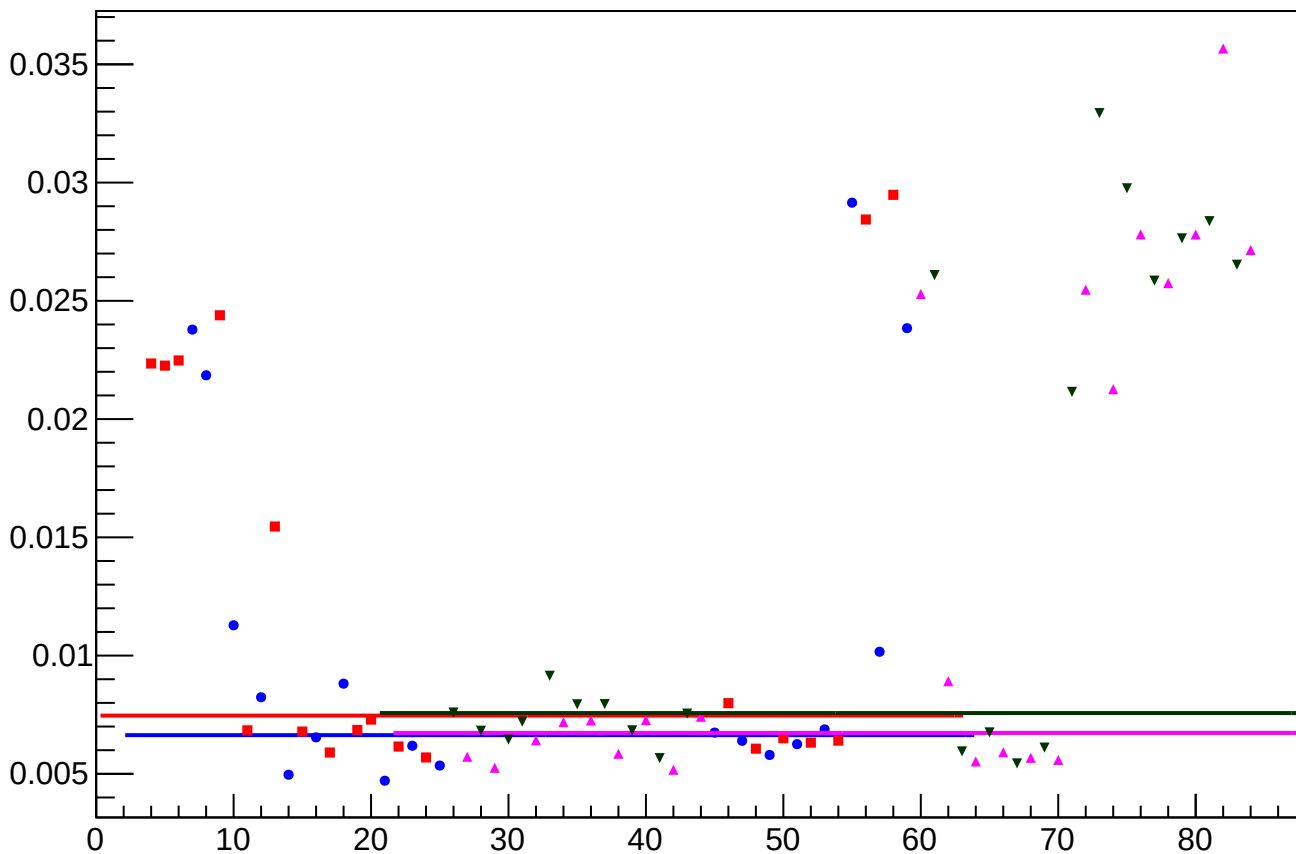
Right Out: -0.739+/-0.000 χ^2 /NDF: 1945829237.2/18

Left In: -0.801+/-0.000 χ^2 /NDF: 962007153.8/21

-0.759+/-0.000 χ^2 /NDF: 3682483818.9/39

-0.776+/-0.000 χ^2 /NDF: 3166121575.1/40

yield_bpm12X_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 3347518.2/17

Left Out: 0.008+/-0.000 χ^2/NDF : 4400841.2/21

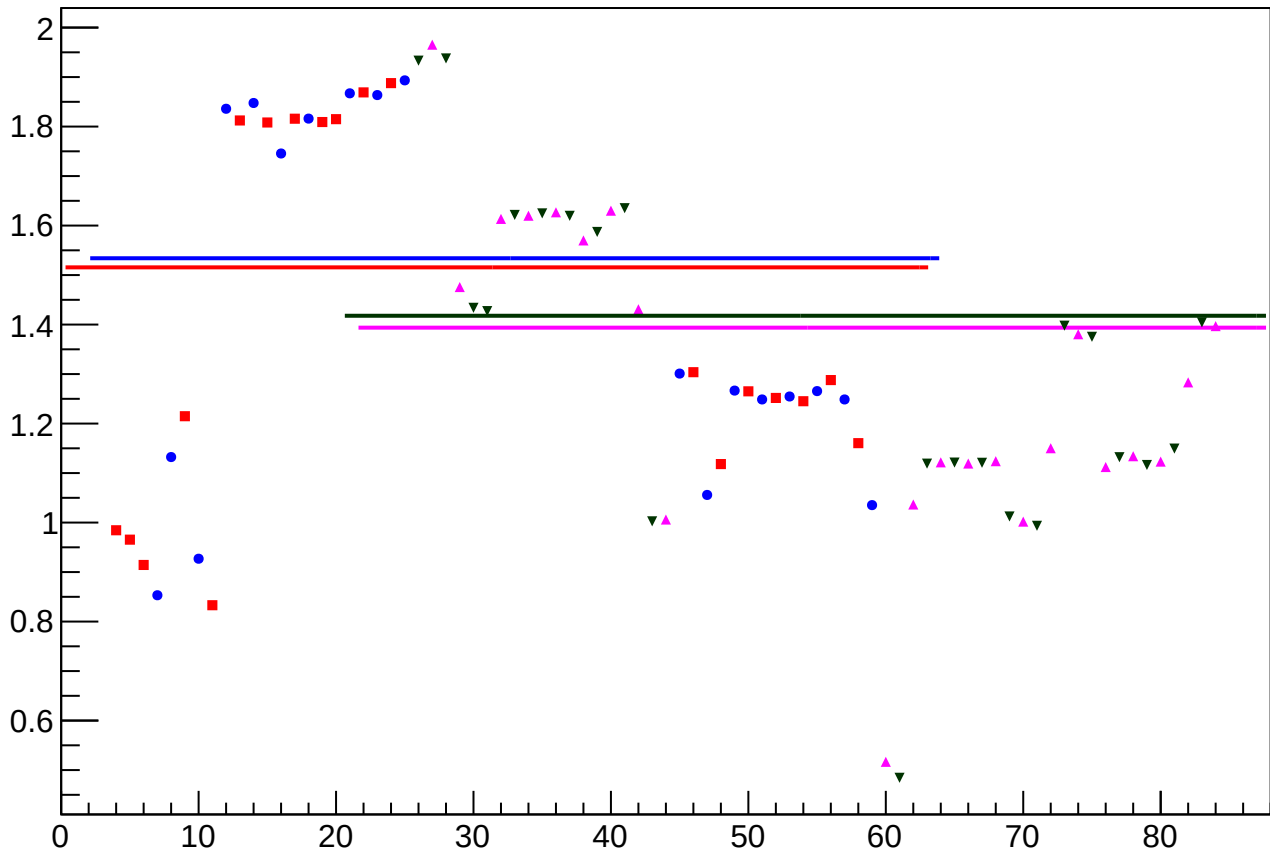
Right Out: 0.007+/-0.000 χ^2/NDF : 3478880.3/18

Left In: 0.007+/-0.000 χ^2/NDF : 4728114.9/21

0.007+/-0.000 χ^2/NDF : 7871116.7/39

0.007+/-0.000 χ^2/NDF : 8279114.0/40

yield_bpm12Y_mean vs slug



Right In: 1.534+/-0.000 χ^2/NDF : 22395382646.2/17

Left Out: 1.418+/-0.000 χ^2/NDF : 18360832987.8/21

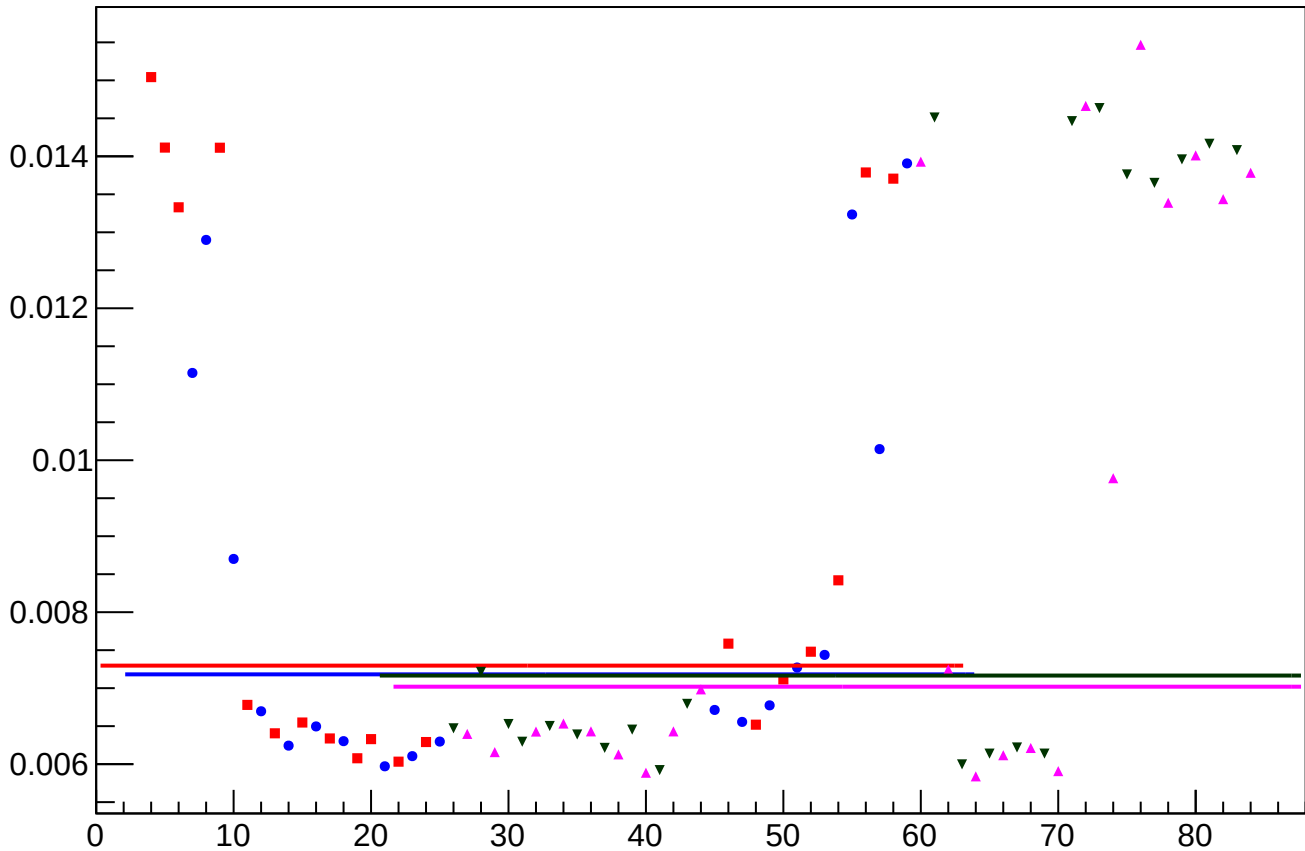
Right Out: 1.516+/-0.000 χ^2/NDF : 21754735470.0/18

Left In: 1.394+/-0.000 χ^2/NDF : 19898162266.4/21

1.477+/-0.000 χ^2/NDF : 42024022630.6/39

1.446+/-0.000 χ^2/NDF : 43000901706.7/40

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 :2119654.9/21

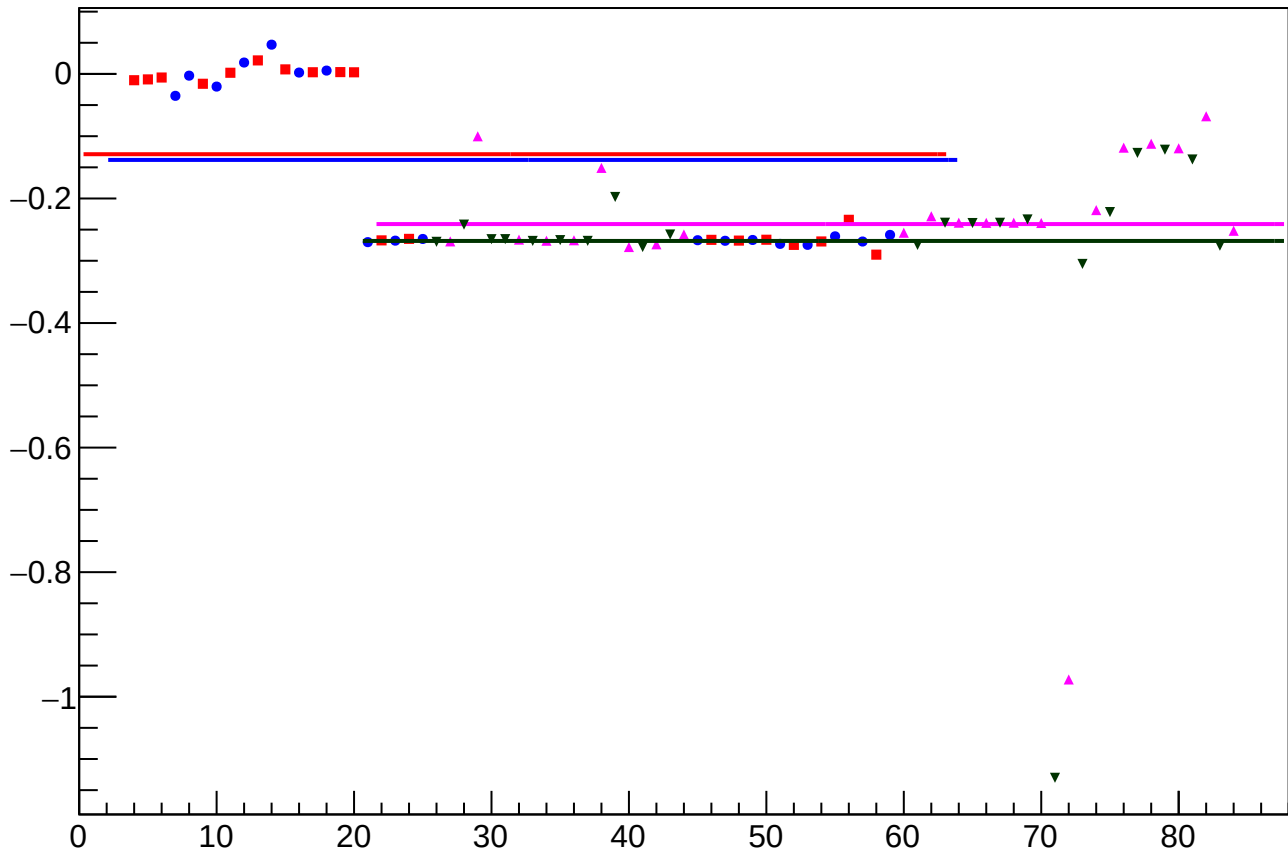
Right Out: 0.007+/-0.000 χ^2/NDF : 1457854.6/18

Left In: 0.007+/-0.000 χ^2/NDF :2073921.3/21

0.007+/-0.000 χ^2/NDF : 3425241.3/39

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 : 6083854271.9/21

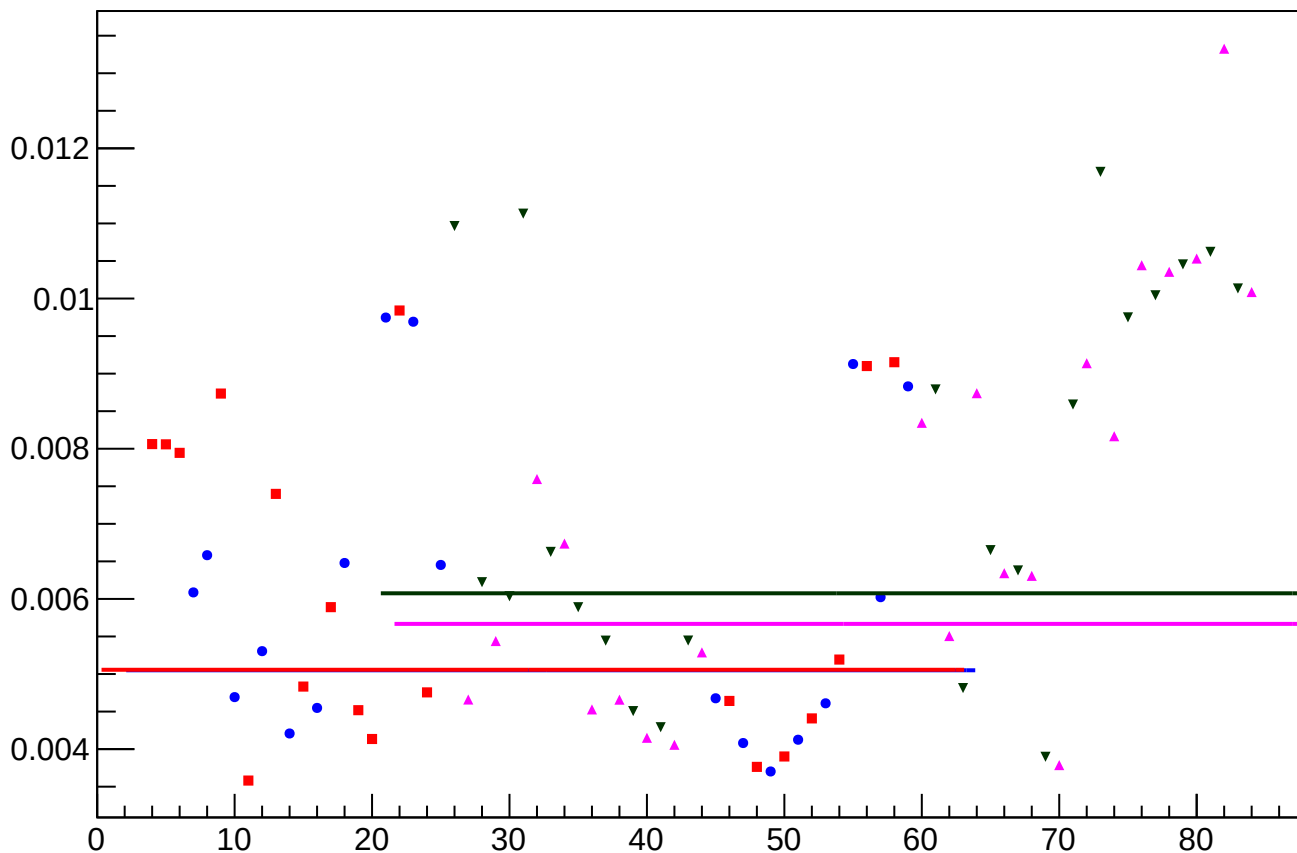
-0.192+/-0.000 χ^2/NDF : 15918557917.0/39

Right Out: -0.129+/-0.000 χ^2/NDF : 5878929515.5/18

-0.184+/-0.000 χ^2/NDF : 11738377805.8/40

Left In: -0.241+/-0.000 χ^2/NDF : 3864758855.2/21

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 :2241810.9/21

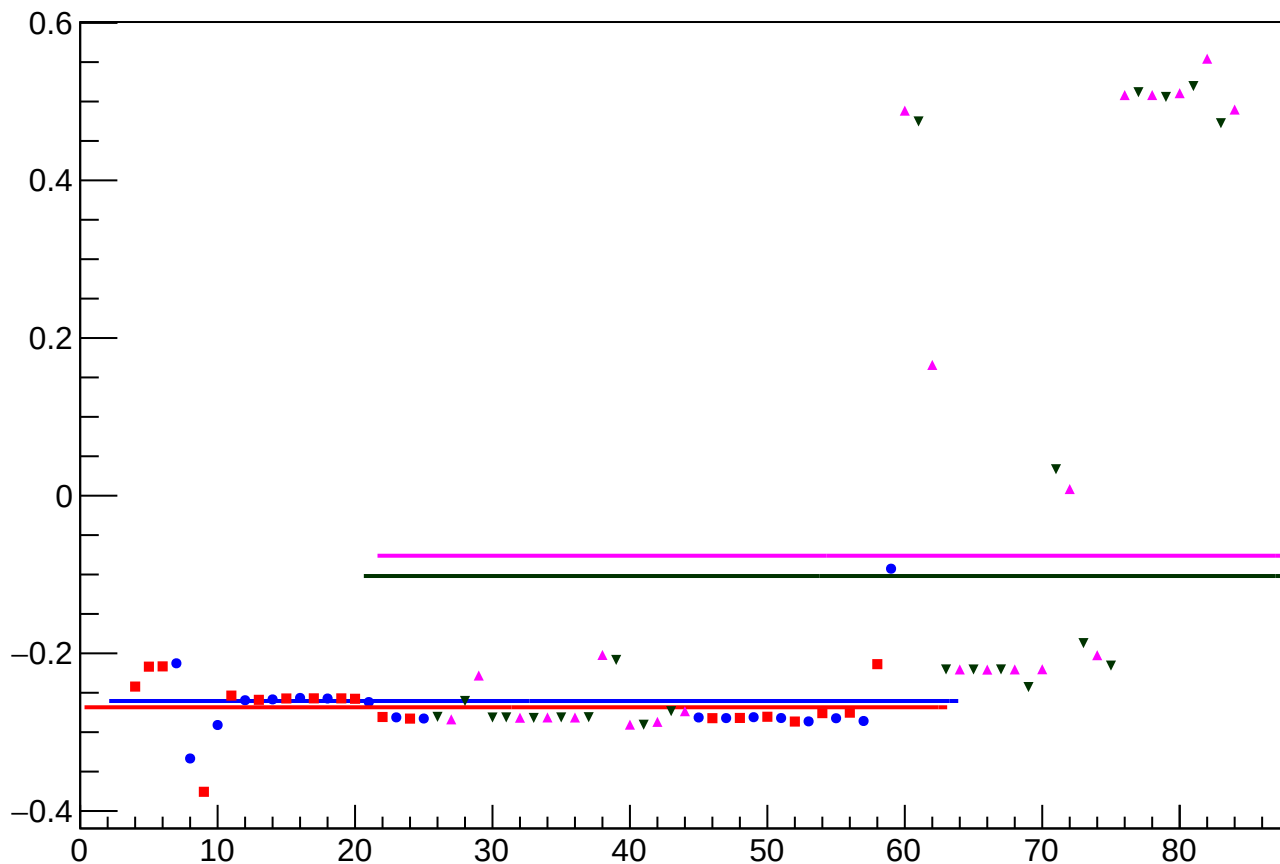
Right Out: 0.005+/-0.000 χ^2/NDF : 1822469.4/18

Left In: 0.006+/-0.000 χ^2/NDF :2407977.5/21

0.005+/-0.000 χ^2/NDF : 4223985.4/39

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: -0.102+/-0.000 χ^2 /NDF: 113731244781.7/21

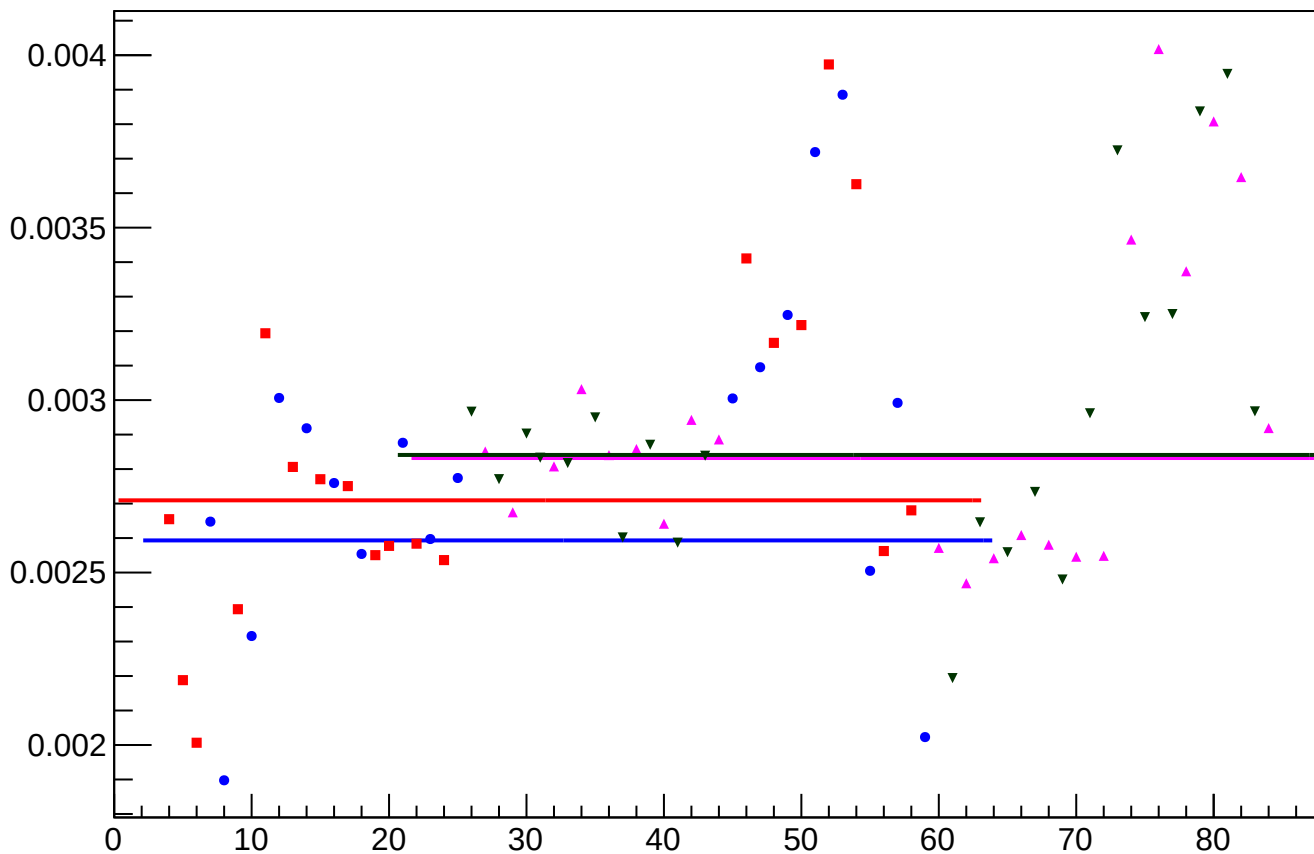
Right Out: -0.268+/-0.000 χ^2 /NDF: 2185355194.4/18

Left In: -0.076+/-0.000 χ^2 /NDF: 129148762393.1/21

-0.187+/-0.000 χ^2 /NDF: 138745015992.8/39

-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 : 371913.0/21

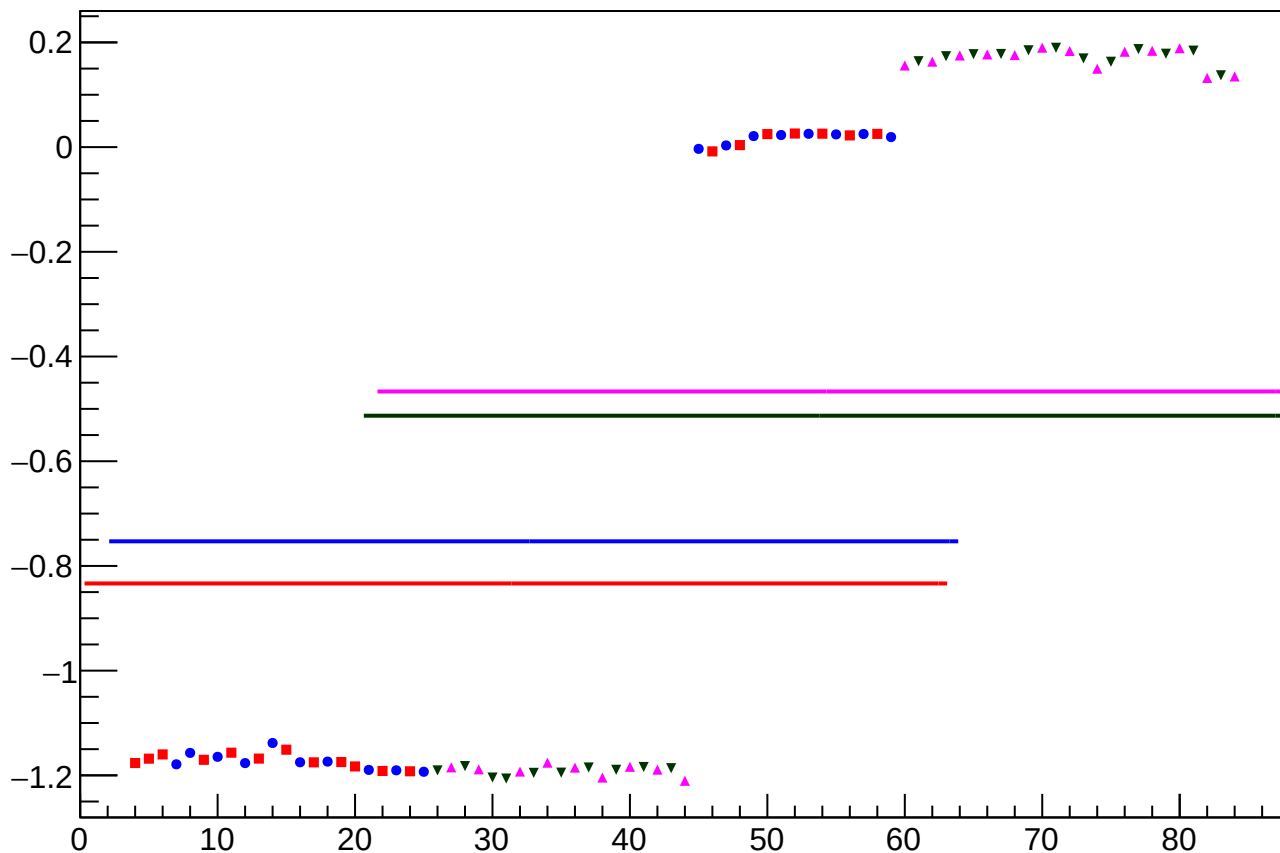
Right Out: 0.003+/-0.000 χ^2/NDF : 476230.4/18

Left In: 0.003+/-0.000 χ^2/NDF : 359783.9/21

0.003+/-0.000 χ^2/NDF : 1234629.2/39

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: -0.513+/-0.000 χ^2/NDF : 74972898053.5/21

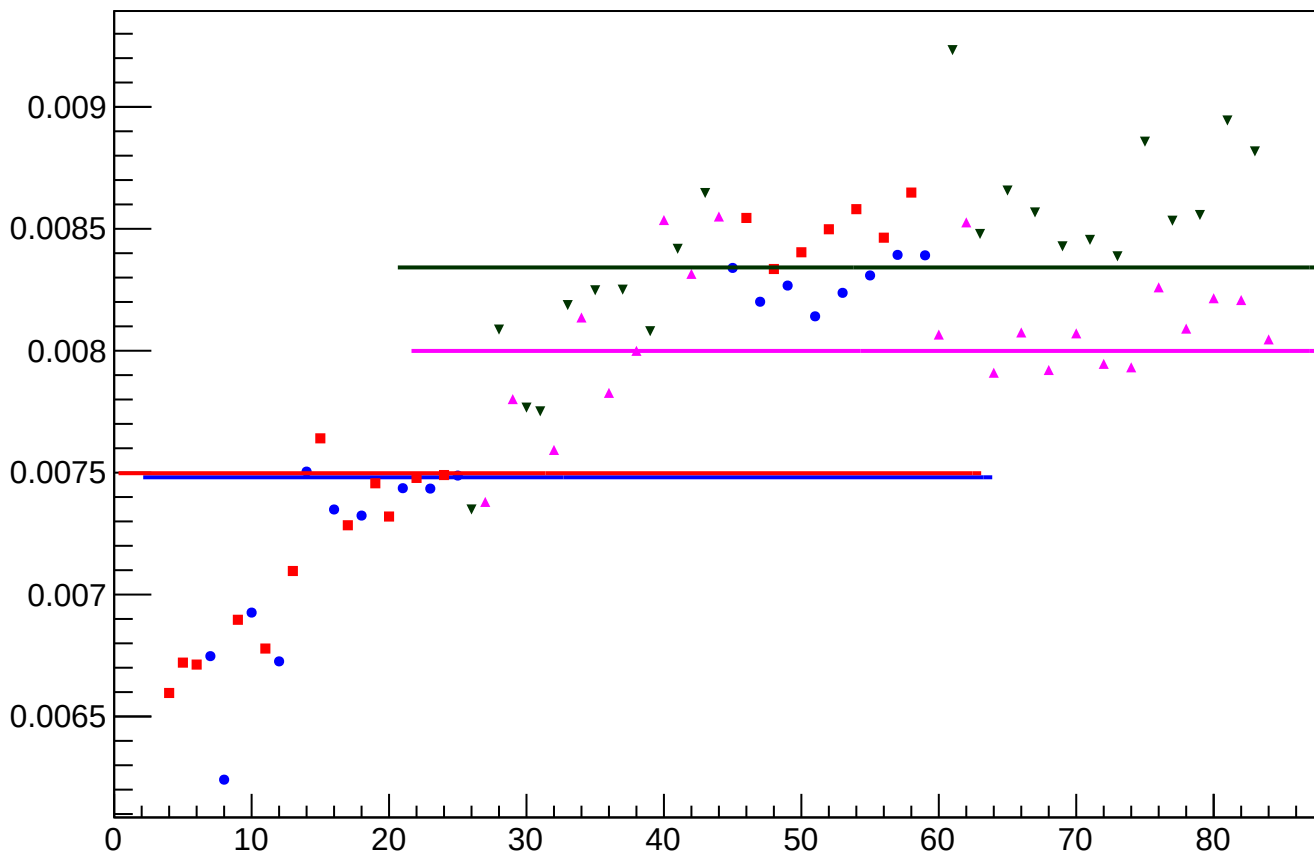
Right Out: -0.833+/-0.000 χ^2/NDF : 50332816661.3/18

Left In: -0.467+/-0.000 χ^2/NDF : 87133641235.1/21

-0.646+/-0.000 χ^2/NDF : 143606346580.2/39

-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 :54292.6/21

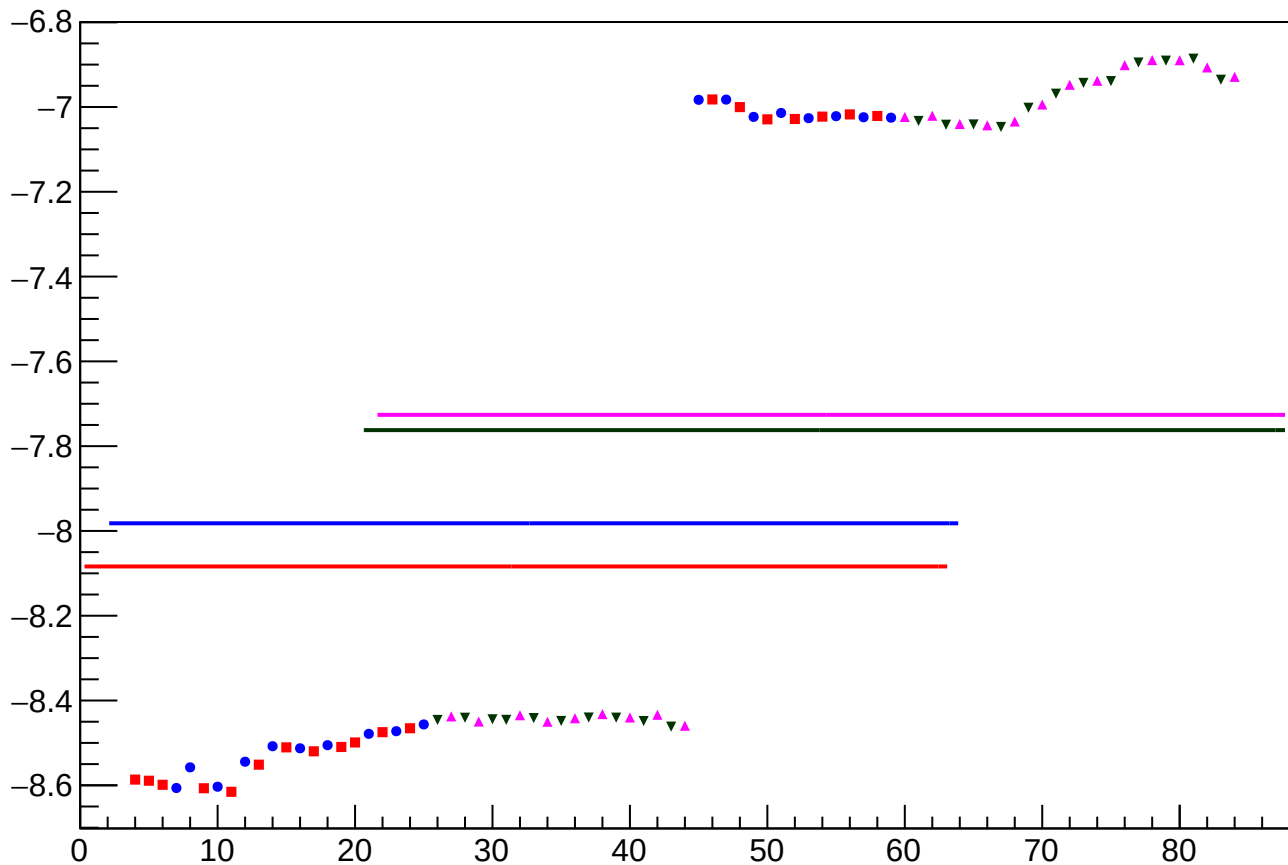
Right Out: 0.007+/-0.000 χ^2/NDF : 167417.2/18

Left In: 0.008+/-0.000 χ^2/NDF :34952.6/21

0.008+/-0.000 χ^2/NDF : 381839.3/39

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: -7.762+/-0.000 χ^2/NDF : 105051723581.4/21

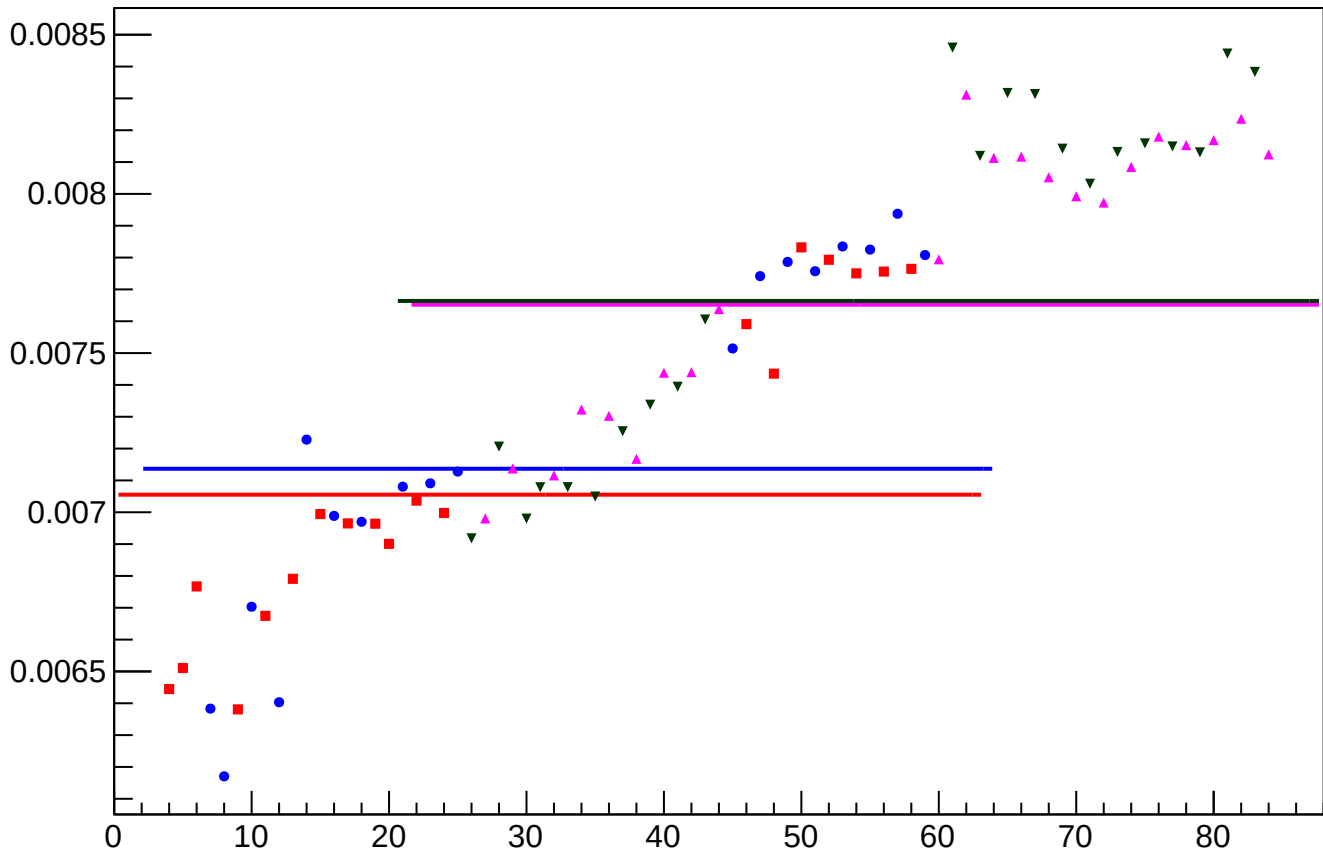
-7.879+/-0.000 χ^2/NDF : 226533809571.4/39

Right Out: -8.084+/-0.000 χ^2/NDF : 99506540389.5/18

-7.901+/-0.000 χ^2/NDF : 226584638144.7/40

Left In: -7.726+/-0.000 χ^2/NDF : 114023964494.7/21

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 :113531.4/21

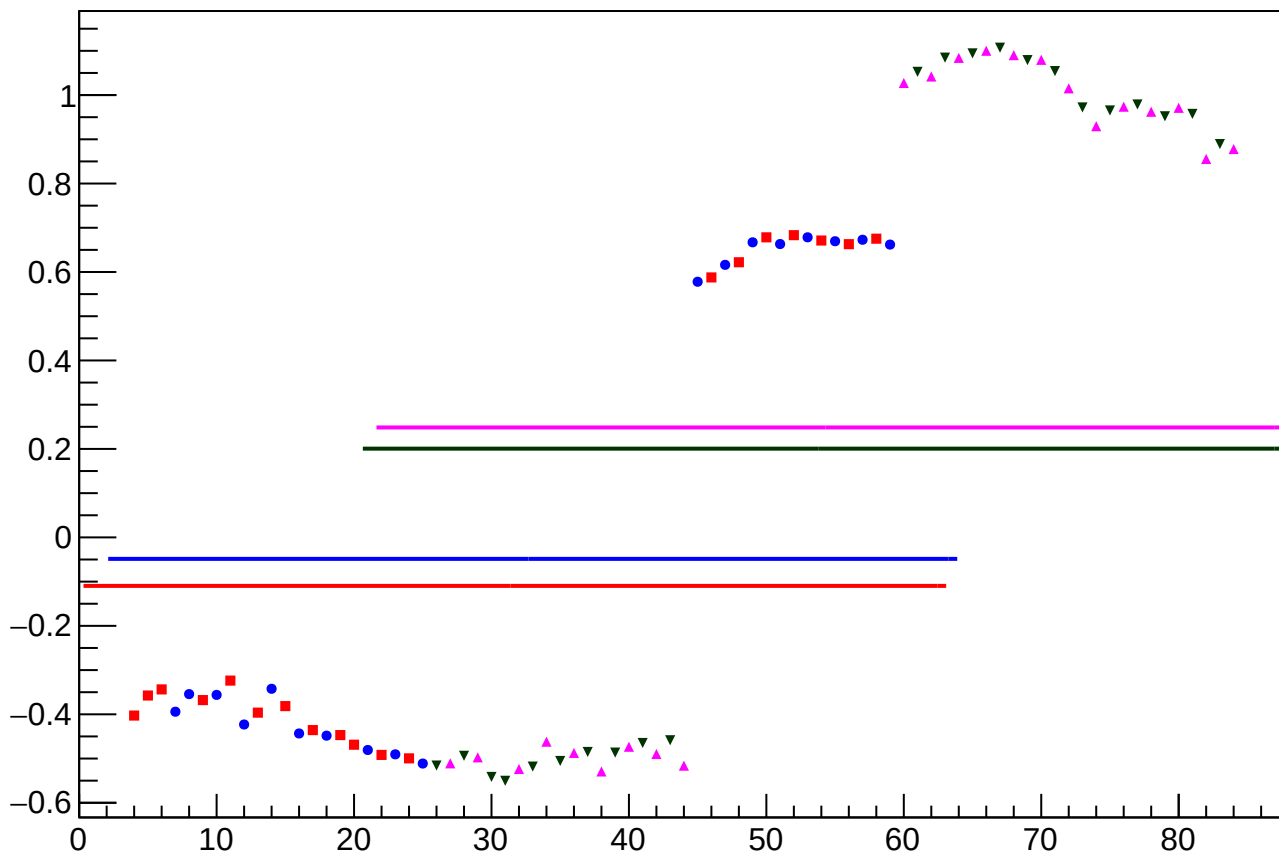
Right Out: 0.007+/-0.000 χ^2/NDF : 88863.4/18

Left In: 0.008+/-0.000 χ^2/NDF :88727.3/21

0.007+/-0.000 χ^2/NDF : 311934.0/39

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: 0.201+/-0.000 χ^2/NDF :13689526483.5/21

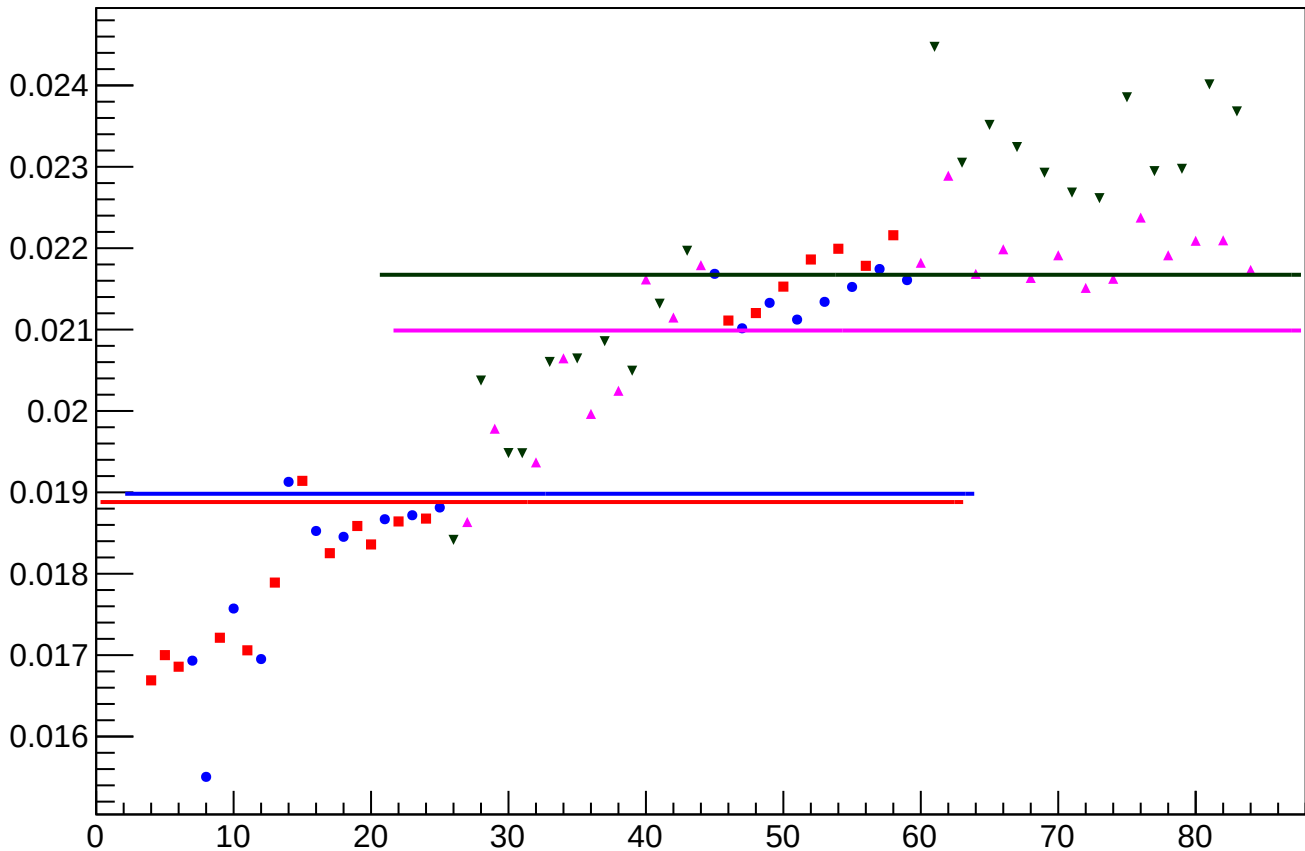
Right Out: -0.110+/-0.000 χ^2/NDF : 6259069670.0/18

Left In: 0.249+/-0.000 χ^2/NDF :15643301897.8/21

0.060+/-0.000 χ^2/NDF : 22328459558.7/39

0.069+/-0.000 χ^2/NDF : 23671085737.1/40

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 :133098.8/21

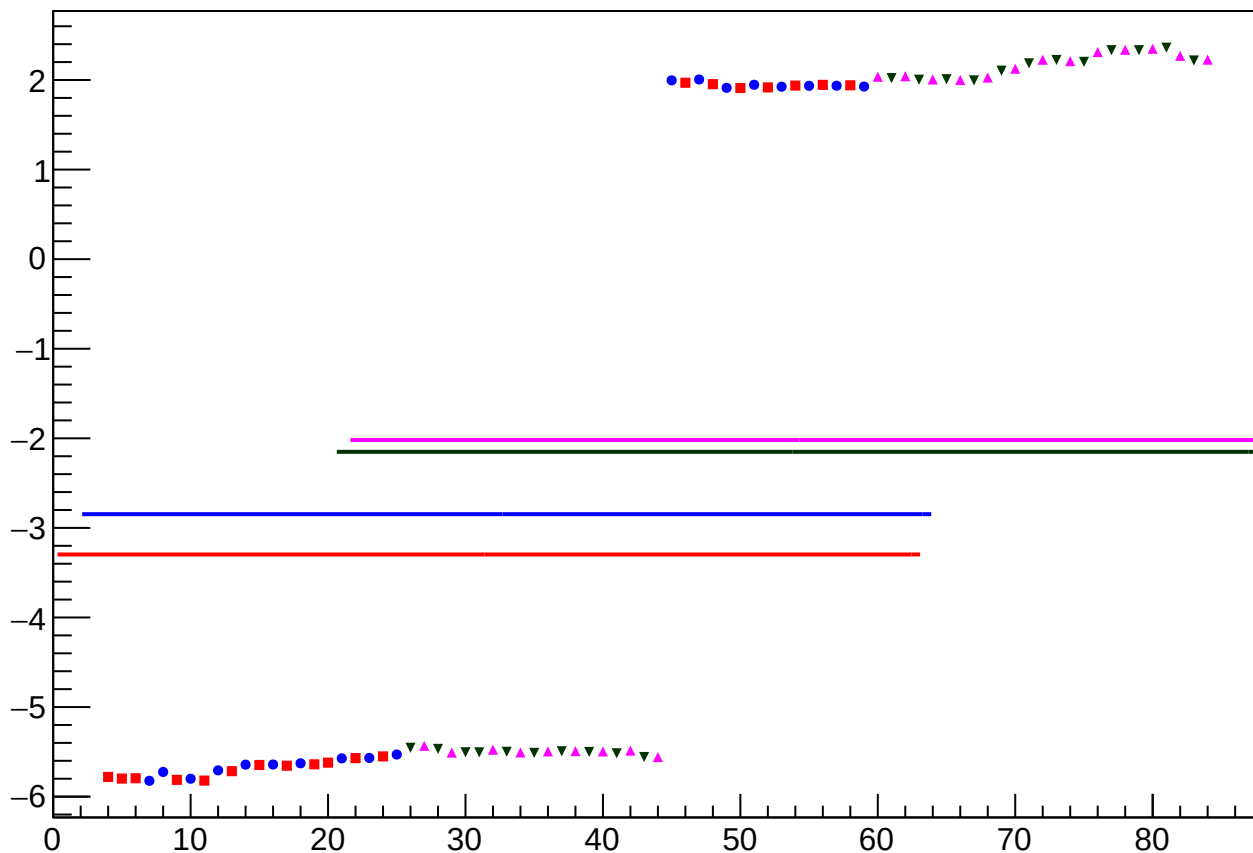
Right Out: 0.019+/-0.000 χ^2/NDF : 190553.3/18

Left In: 0.021+/-0.000 χ^2/NDF :79770.4/21

0.020+/-0.000 χ^2/NDF : 582129.0/39

0.020+/-0.000 χ^2/NDF : 392791.8/40

yield_bpm2i02Y_mean vs slug



Right In: -2.847+/-0.000 χ^2/NDF : 988085675921.2/17

Left Out: -2.151+/-0.000 χ^2/NDF : 953916955509.5/21

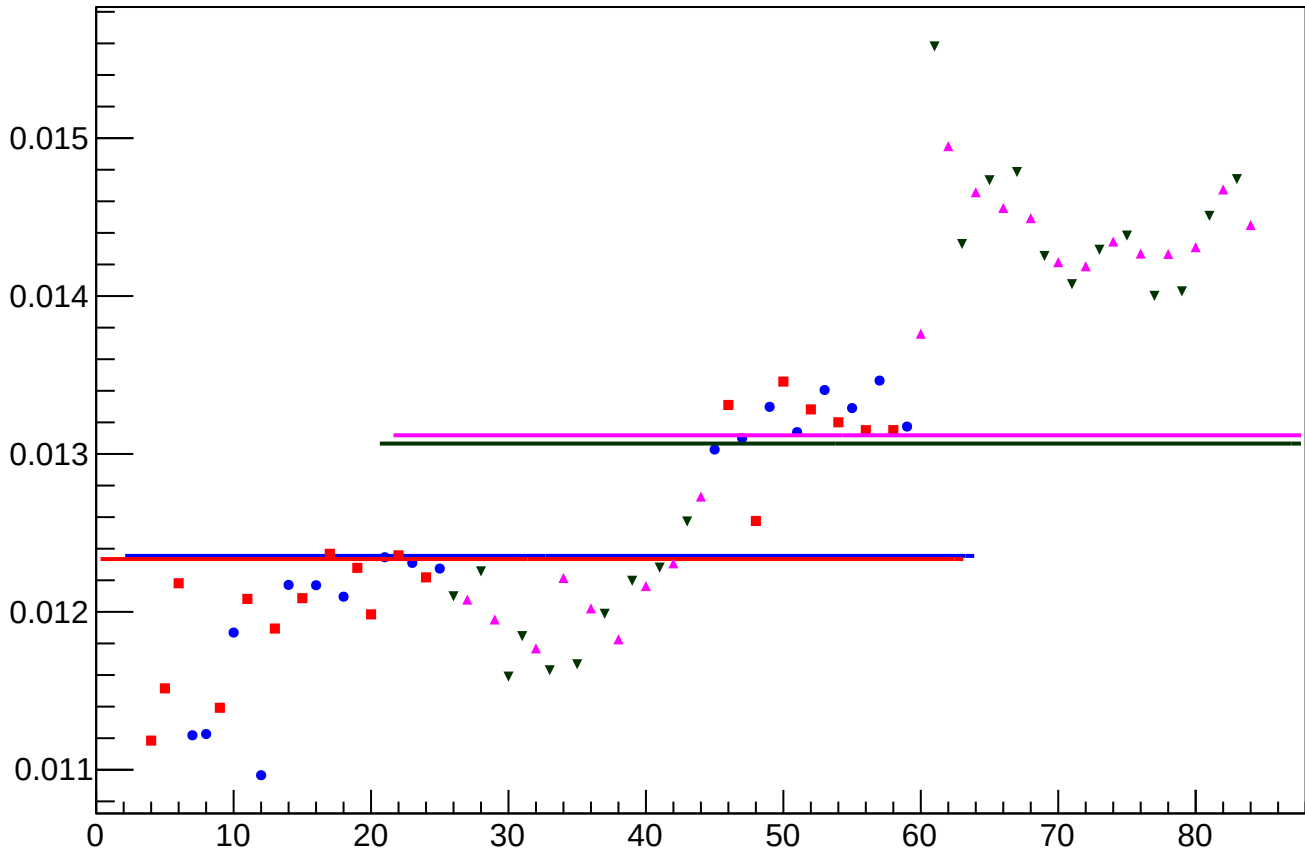
Right Out: -3.297+/-0.000 χ^2/NDF : 819050975647.4/18

Left In: -2.018+/-0.000 χ^2/NDF : 1028009955822.9/21

-2.517+/-0.000 χ^2/NDF : 1958767004982.2/39

-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 : 204981.8/21

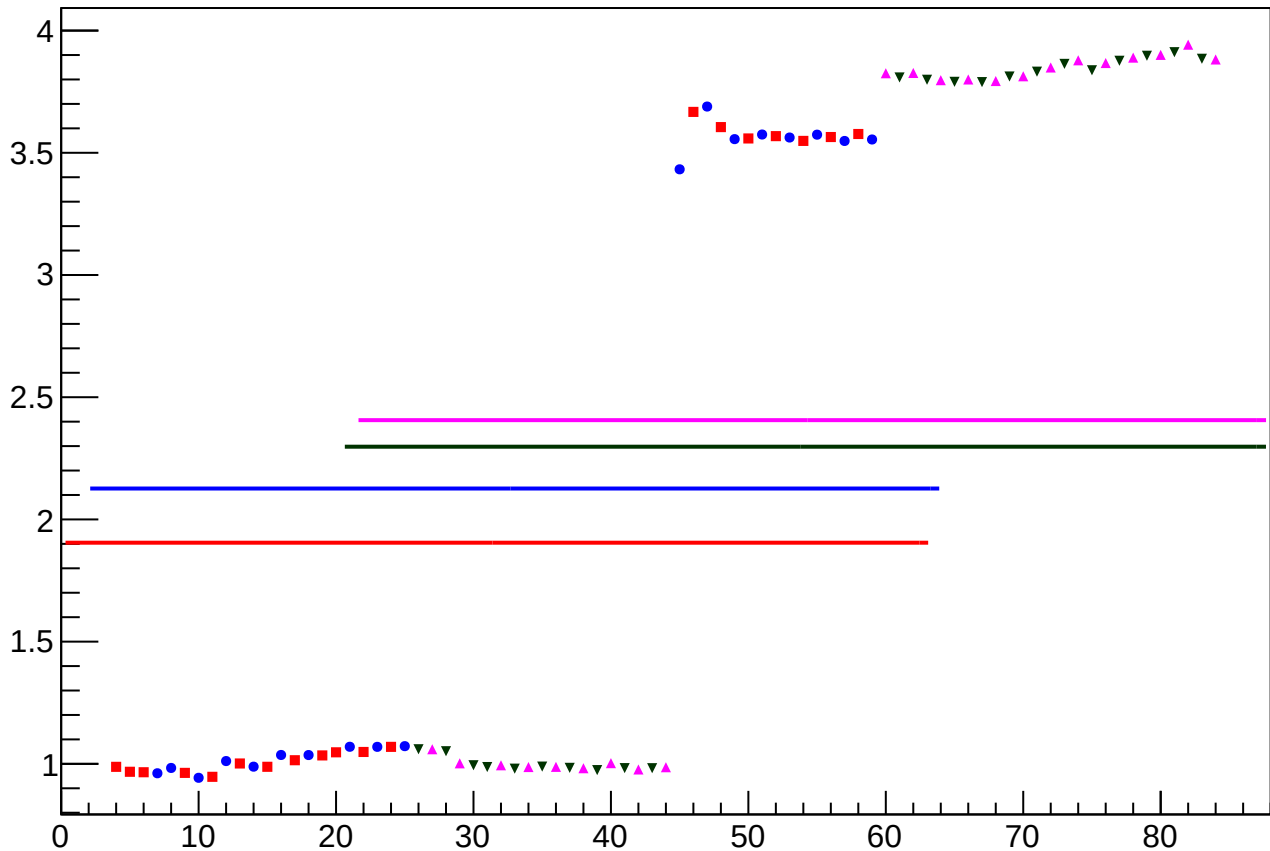
0.013 ± 0.000 χ^2/NDF : 329866.2/39

Right Out: 0.012 ± 0.000 χ^2/NDF : 54886.5/18

0.013 ± 0.000 χ^2/NDF : 293629.7/40

Left In: 0.013 ± 0.000 χ^2/NDF : 197151.1/21

yield_bpm1i04X_mean vs slug



Right In: 2.126+/-0.000 χ^2/NDF : 292632575878.4/17

Left Out: 2.298+/-0.000 χ^2/NDF : 351798004345.6/21

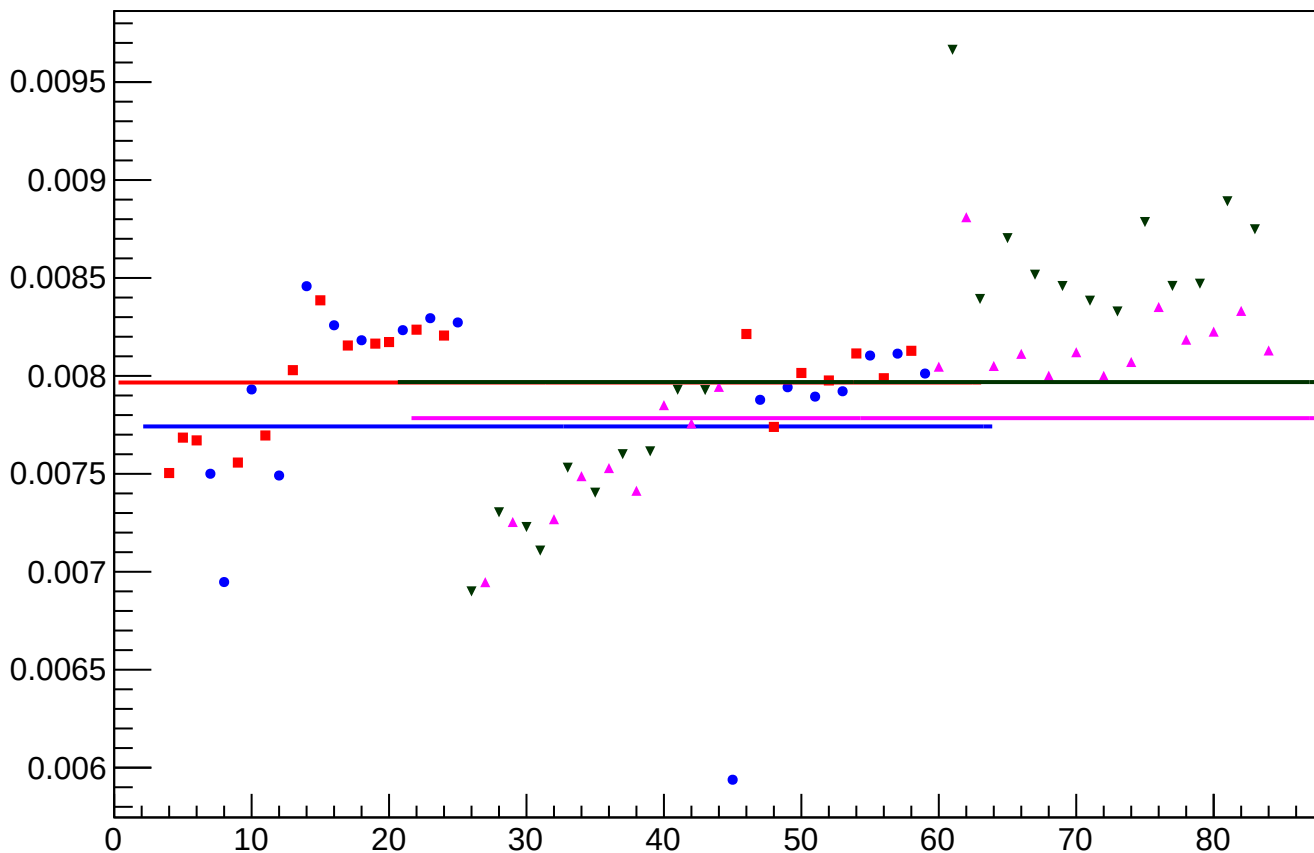
2.210+/-0.000 χ^2/NDF : 647062786683.2/39

Right Out: 1.905+/-0.000 χ^2/NDF : 236022966001.2/18

2.187+/-0.000 χ^2/NDF : 662548553113.0/40

Left In: 2.406+/-0.000 χ^2/NDF : 404580753048.7/21

yield_bpm1i04X_rms vs slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 178907.2/17

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:150866.2/21

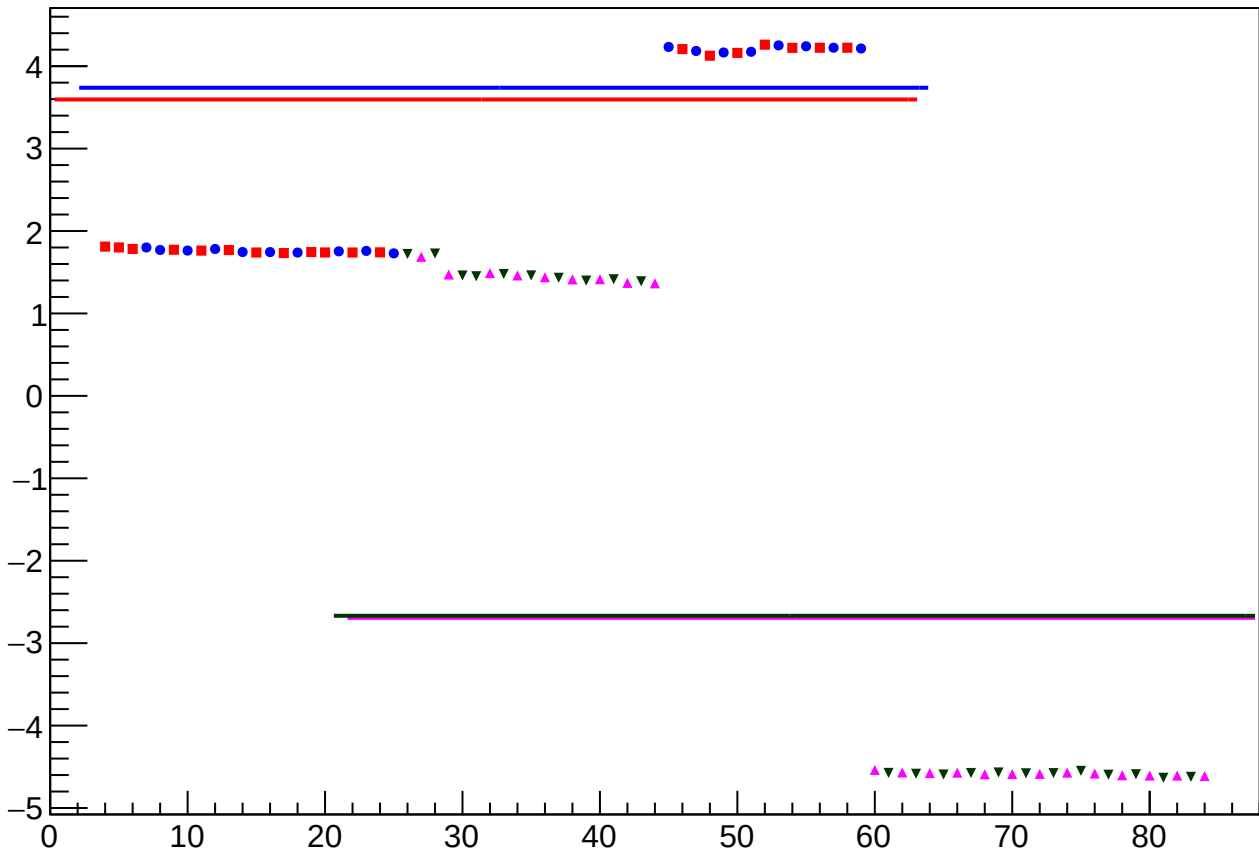
Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 20073.5/18

Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:85142.9/21

0.008 $\pm$ 0.000 χ^2 /NDF: 338999.7/39

0.008 $\pm$ 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: -2.668+/-0.000 χ^2/NDF : 3964403315774.6/21

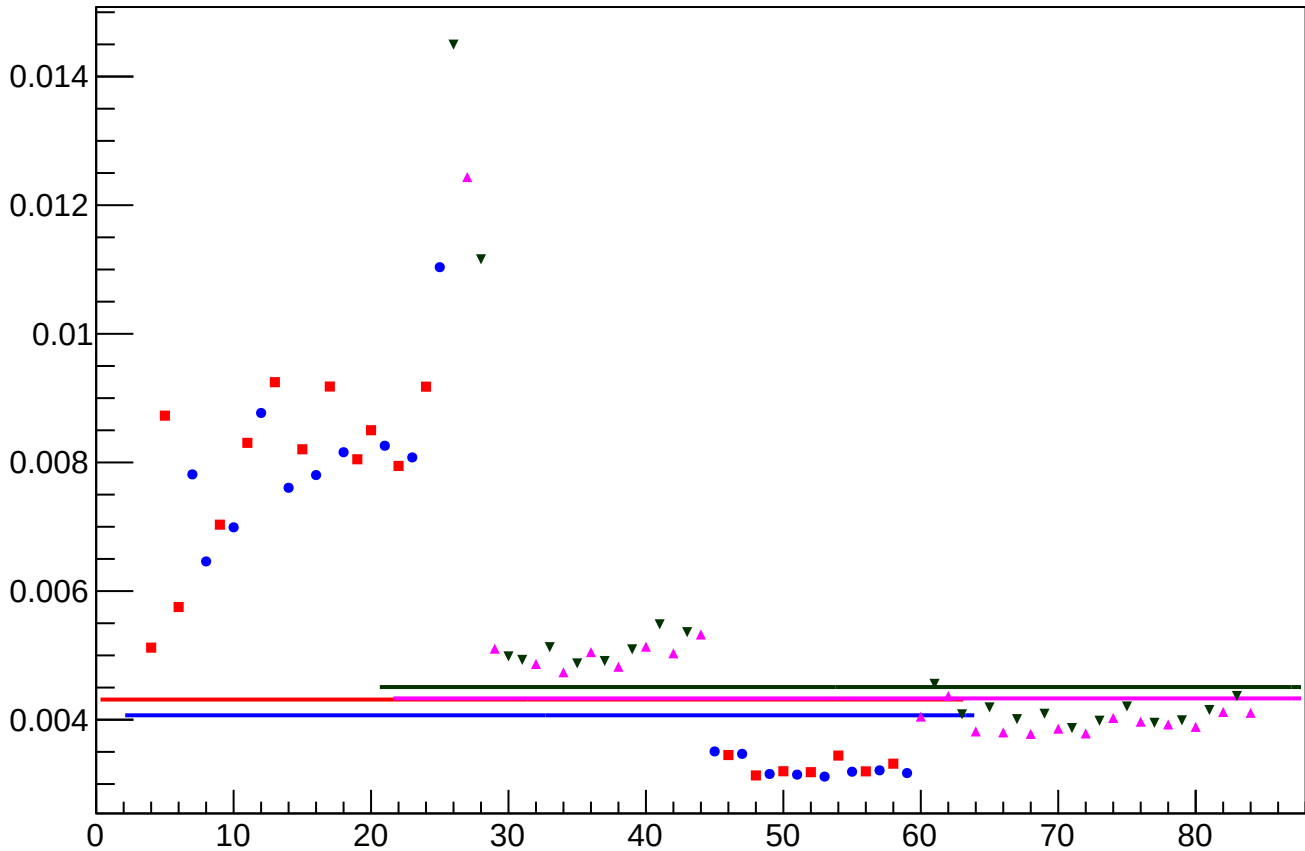
0.652+/-0.000 χ^2/NDF : 15134773317136.0/39

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: 0.005+/-0.000 χ^2/NDF :1152085.6/21

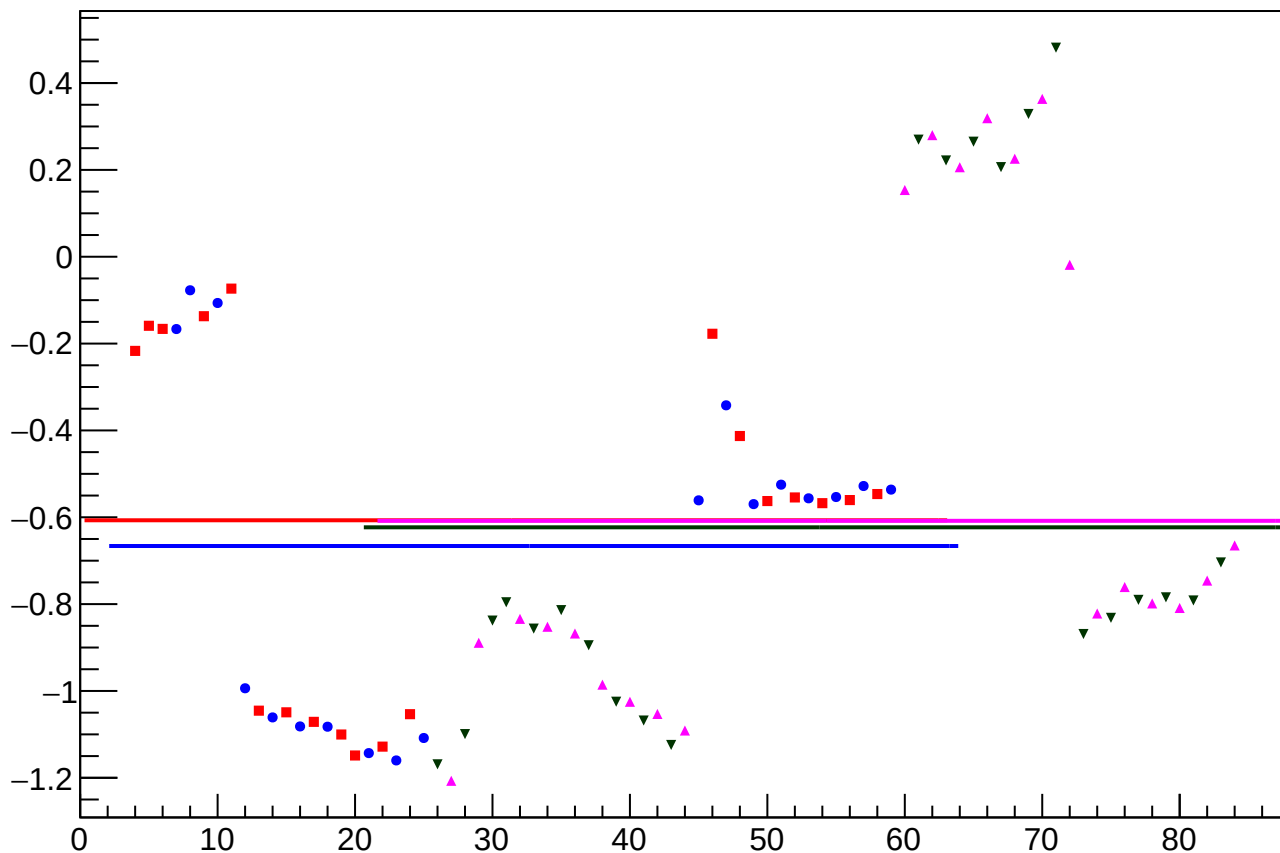
0.004+/-0.000 χ^2/NDF : 4654244.9/39

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: -0.623+/-0.000 χ^2/NDF : 40302637657.3/21

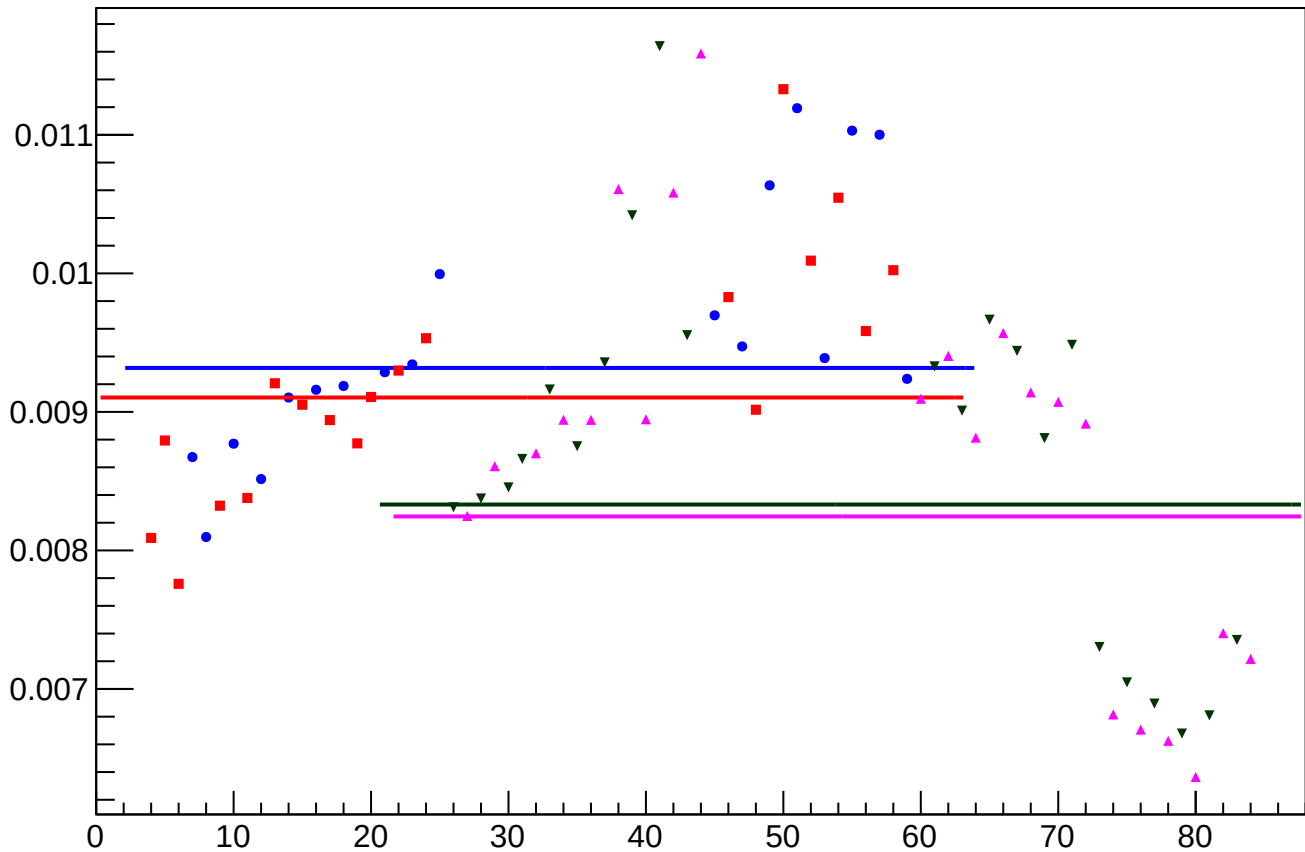
Right Out: -0.607+/-0.000 χ^2/NDF : 19217252419.4/18

Left In: -0.608+/-0.000 χ^2/NDF : 41327702285.9/21

-0.642+/-0.000 χ^2/NDF : 59567554178.2/39

-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 : 473270.9/21

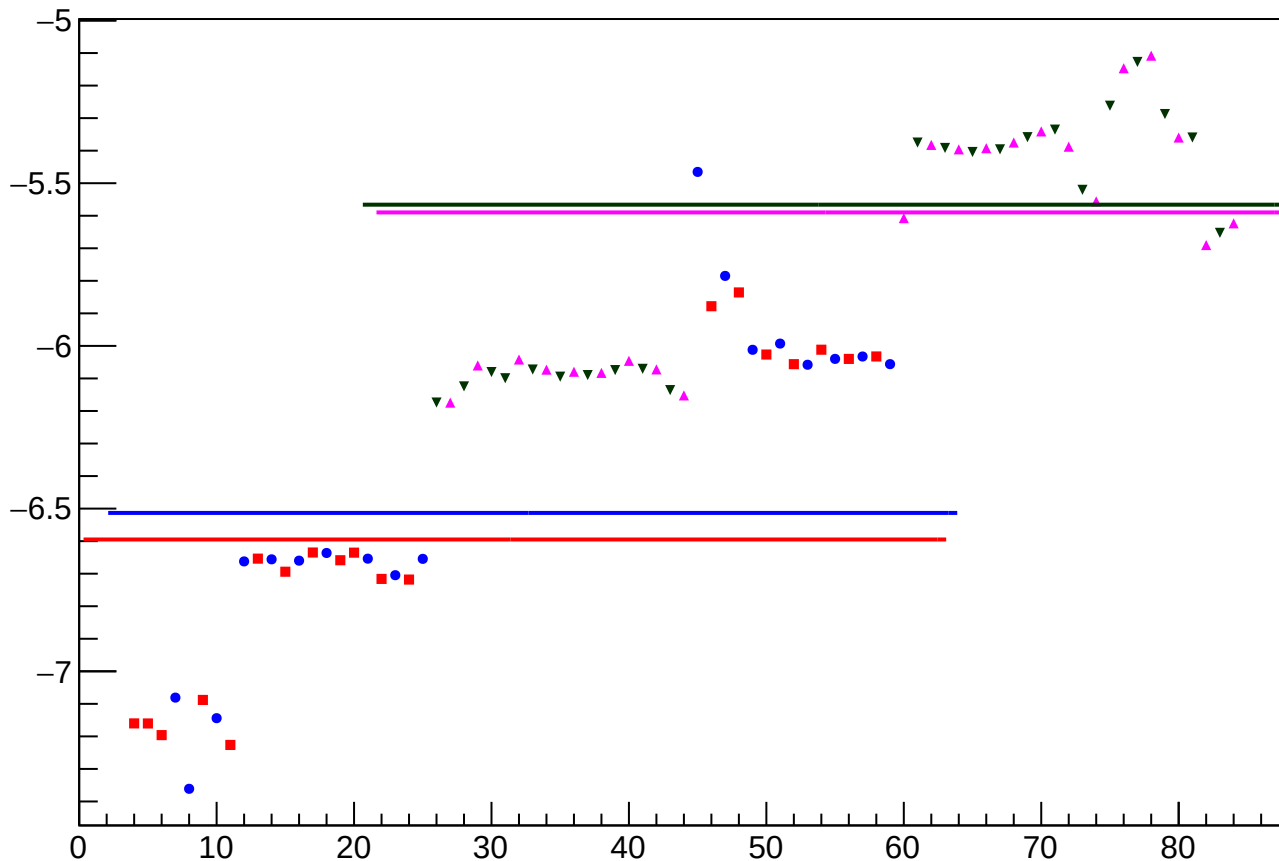
Right Out: 0.009+/-0.000 χ^2/NDF : 159092.9/18

Left In: 0.008+/-0.000 χ^2/NDF : 566217.9/21

0.009+/-0.000 χ^2/NDF : 774827.2/39

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: -5.566+/-0.000 χ^2/NDF : 23111028700.0/21

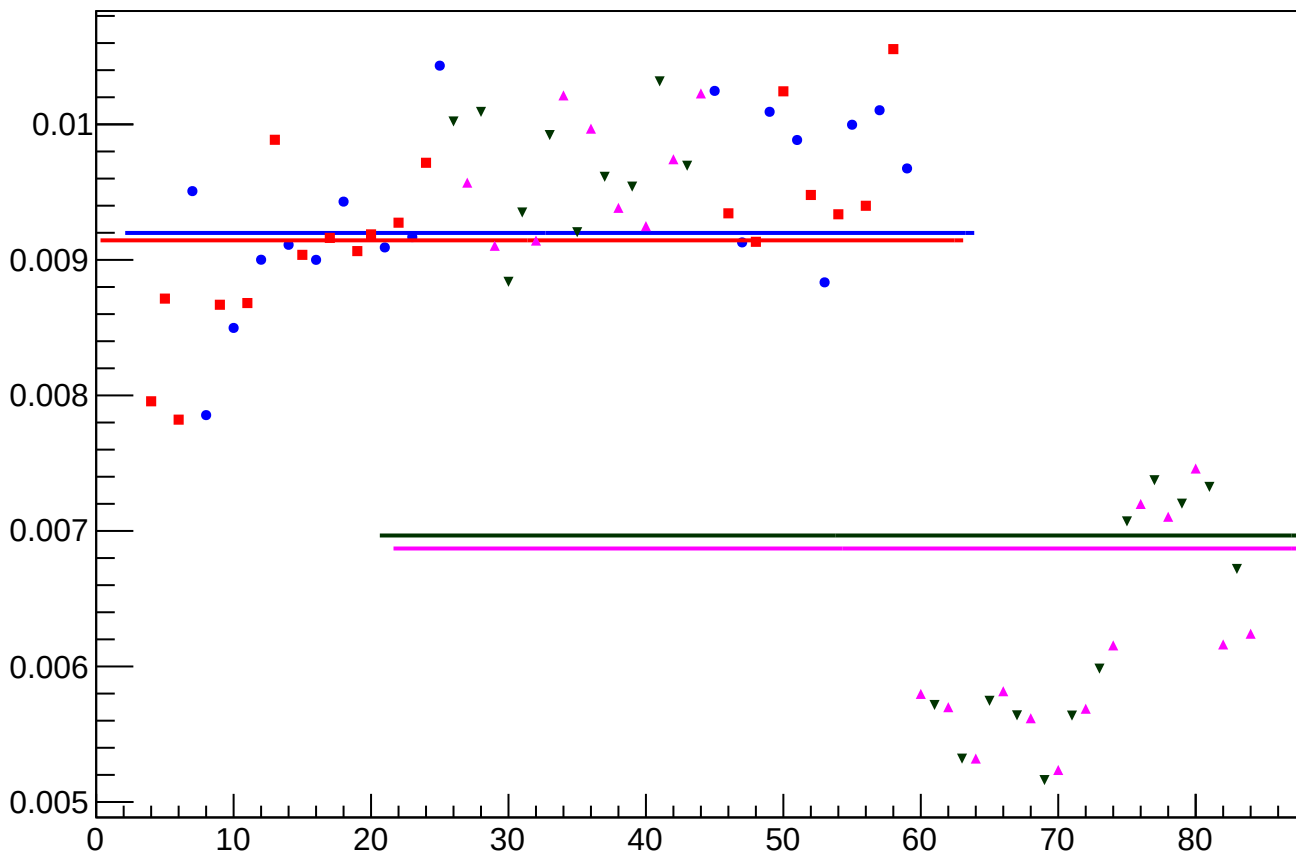
-5.922+/-0.000 χ^2/NDF : 128966341956.2/39

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+/-0.000 χ^2/NDF : 120528.1/17

Left Out: 0.007+/-0.000 χ^2/NDF :1259685.6/21

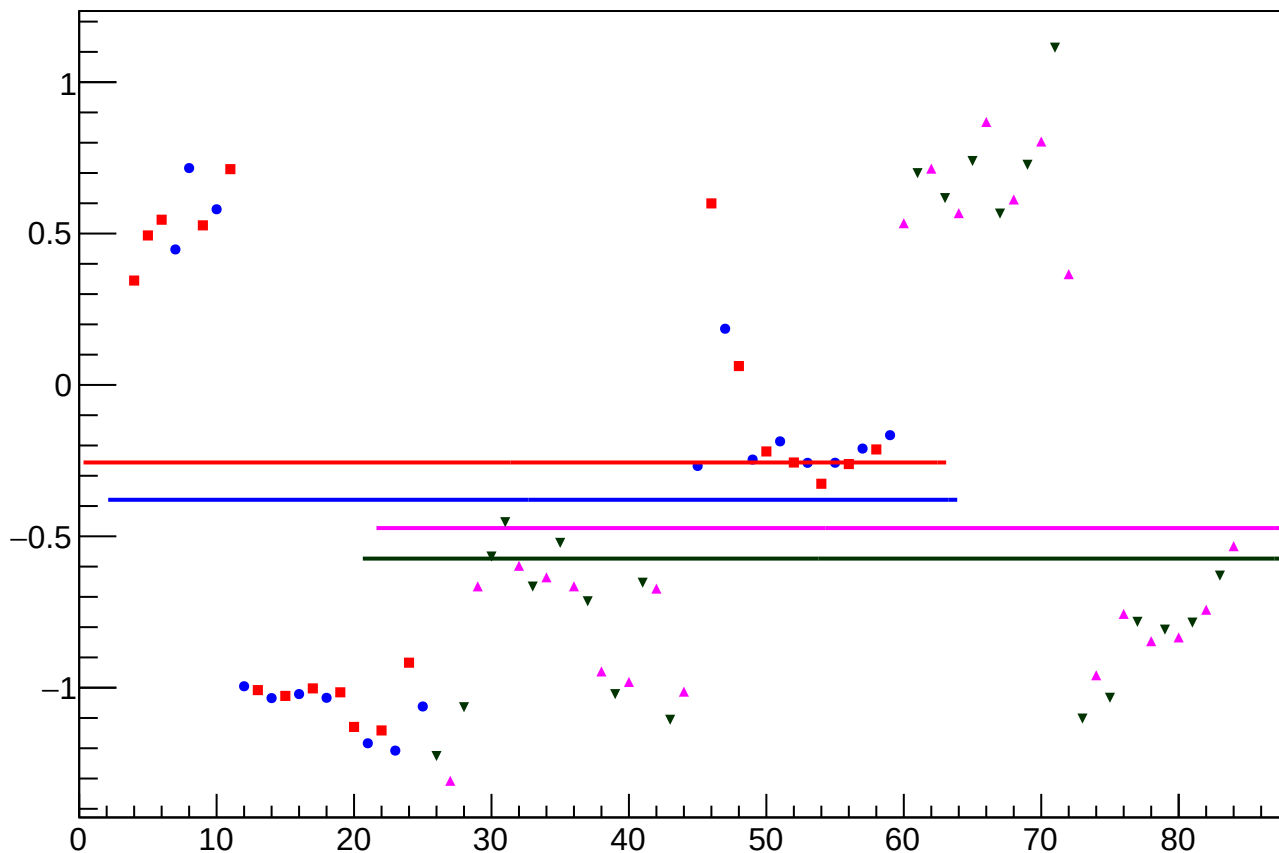
Right Out: 0.009+/-0.000 χ^2/NDF : 101222.8/18

Left In: 0.007+/-0.000 χ^2/NDF :1298877.5/21

0.008+/-0.000 χ^2/NDF : 2177273.8/39

0.008+/-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: -0.574+/-0.000 χ^2/NDF : 23290409464.4/21

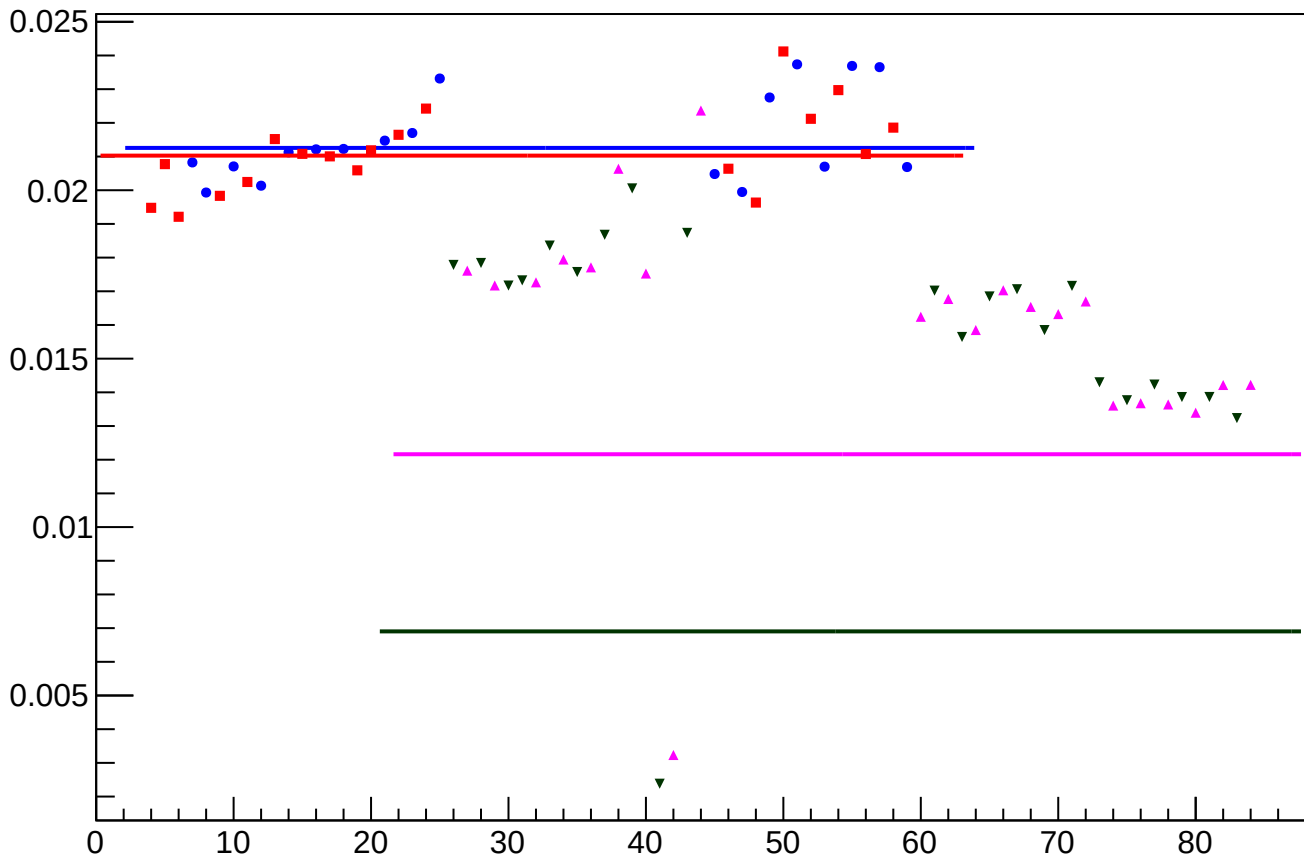
Right Out: -0.256+/-0.000 χ^2/NDF : 10103342122.6/18

Left In: -0.473+/-0.000 χ^2/NDF : 22000390787.5/21

-0.541+/-0.000 χ^2/NDF : 34195403447.4/39

-0.417+/-0.000 χ^2/NDF : 32872534826.0/40

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 :10483015.6/21

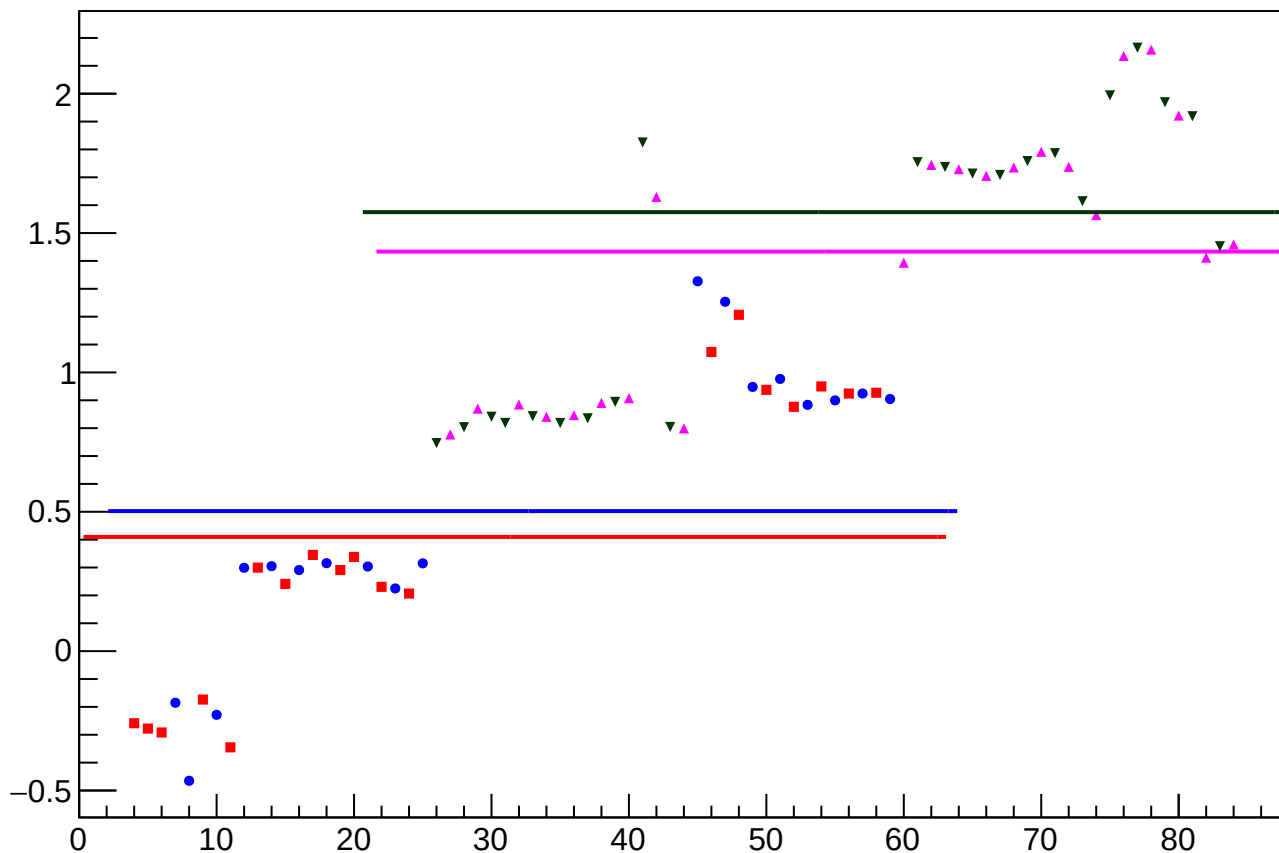
Right Out: 0.021+/-0.000 χ^2/NDF : 62886.6/18

Left In: 0.012+/-0.000 χ^2/NDF :4776423.0/21

0.009+/-0.000 χ^2/NDF : 18935551.0/39

0.014+/-0.000 χ^2/NDF : 7414597.3/40

yield_bpm0l02Y_mean vs slug



Right In: 0.502 $\pm$ 0.000 χ^2 /NDF: 19155654908.3/17

Left Out: 1.575 $\pm$ 0.000 χ^2 /NDF:26243277703.7/21

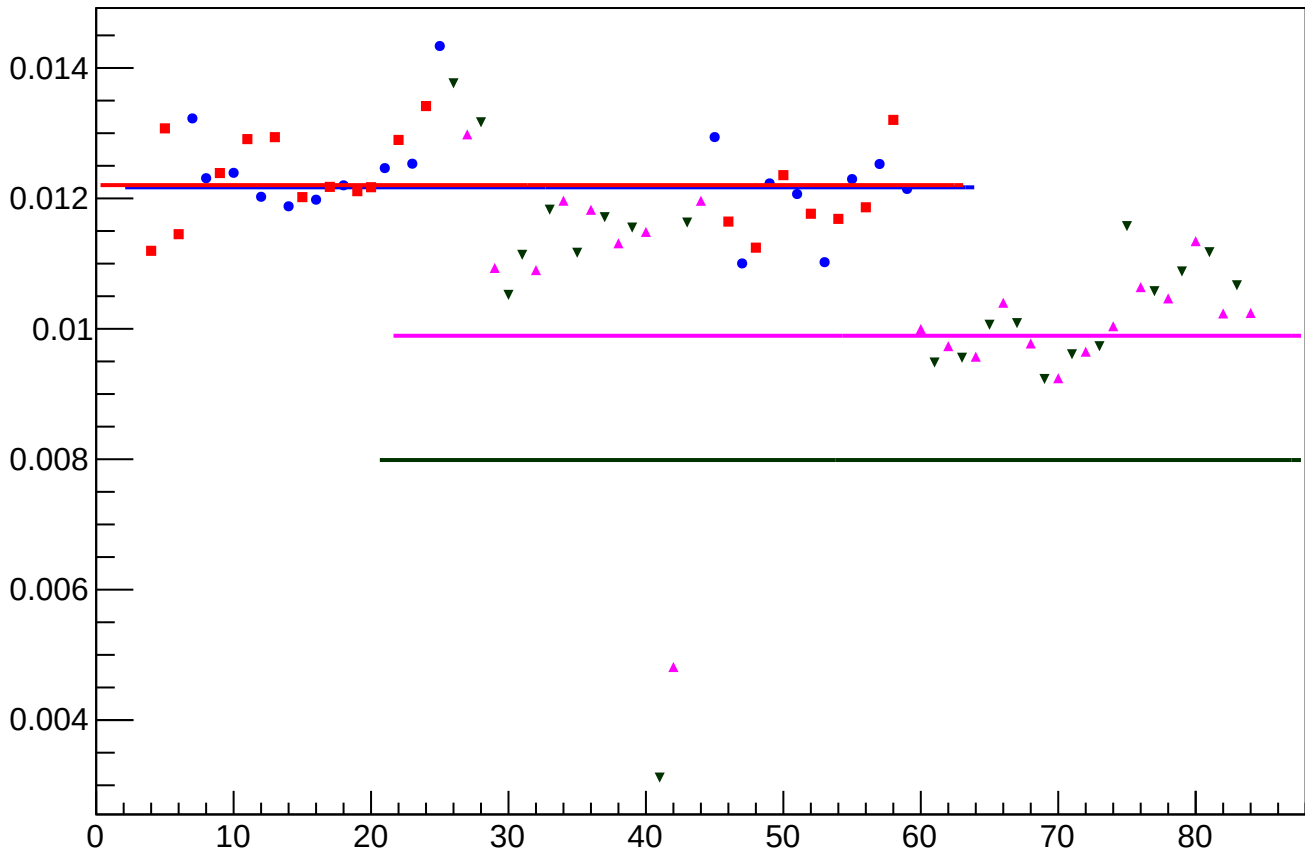
Right Out: 0.410 $\pm$ 0.000 χ^2 /NDF: 16439315084.0/18

Left In: 1.434 $\pm$ 0.000 χ^2 /NDF:21833716295.7/21

1.209 $\pm$ 0.000 χ^2 /NDF: 101384765440.7/39

1.069 $\pm$ 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:3987611.9/21

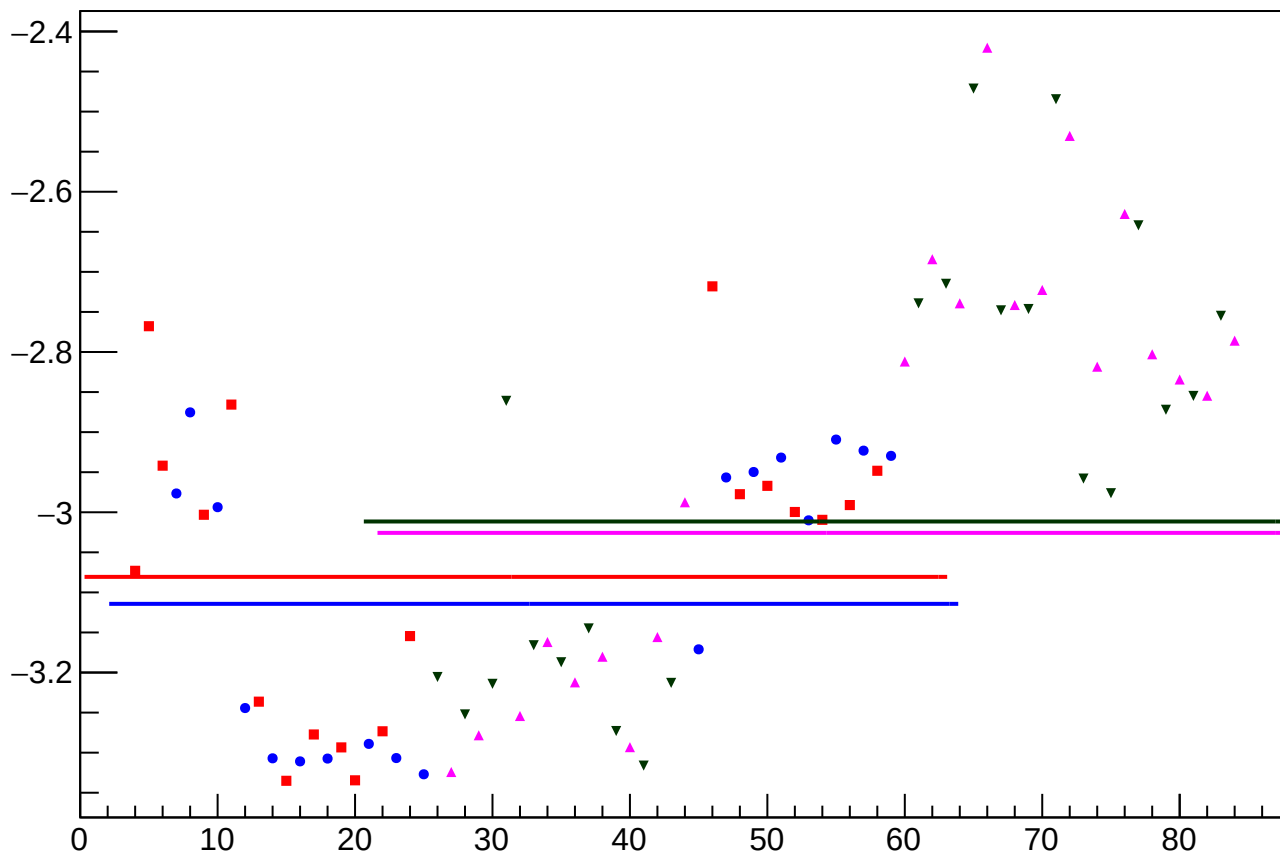
0.009 $\pm$ 0.000 χ^2 /NDF: 5734959.1/39

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 53181.0/18

0.011 $\pm$ 0.000 χ^2 /NDF: 1518121.9/40

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:1021215.4/21

yield_bpm0l03X_mean vs slug



Right In: -3.114+/-0.000 χ^2/NDF : 4627659924.1/17

Left Out: -3.012+/-0.000 χ^2/NDF : 12020443008.7/21

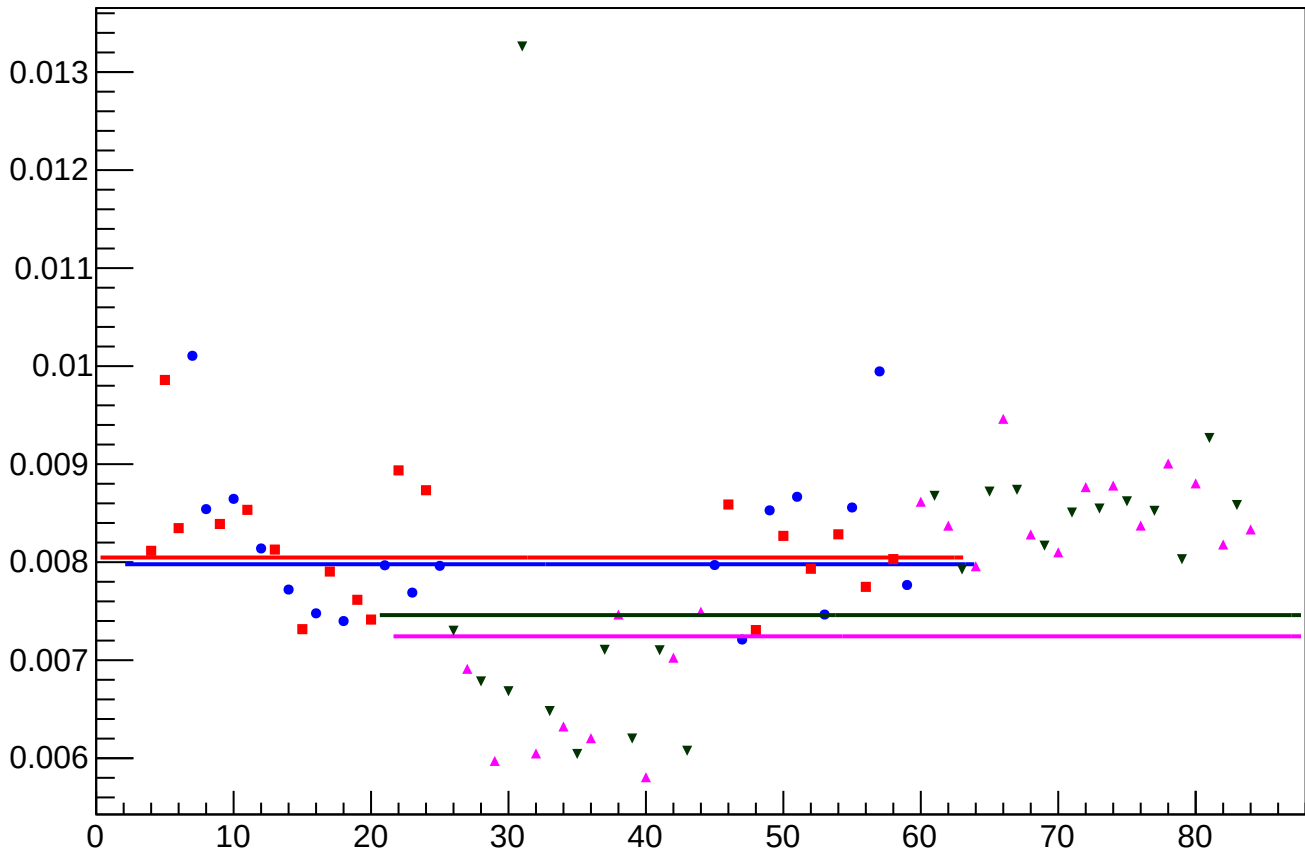
Right Out: -3.081+/-0.000 χ^2/NDF : 3839311184.0/18

Left In: -3.026+/-0.000 χ^2/NDF : 14225152482.0/21

-3.059+/-0.000 χ^2/NDF : 17505293819.3/39

-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: 0.007 ± 0.000 χ^2/NDF : 476280.2/21

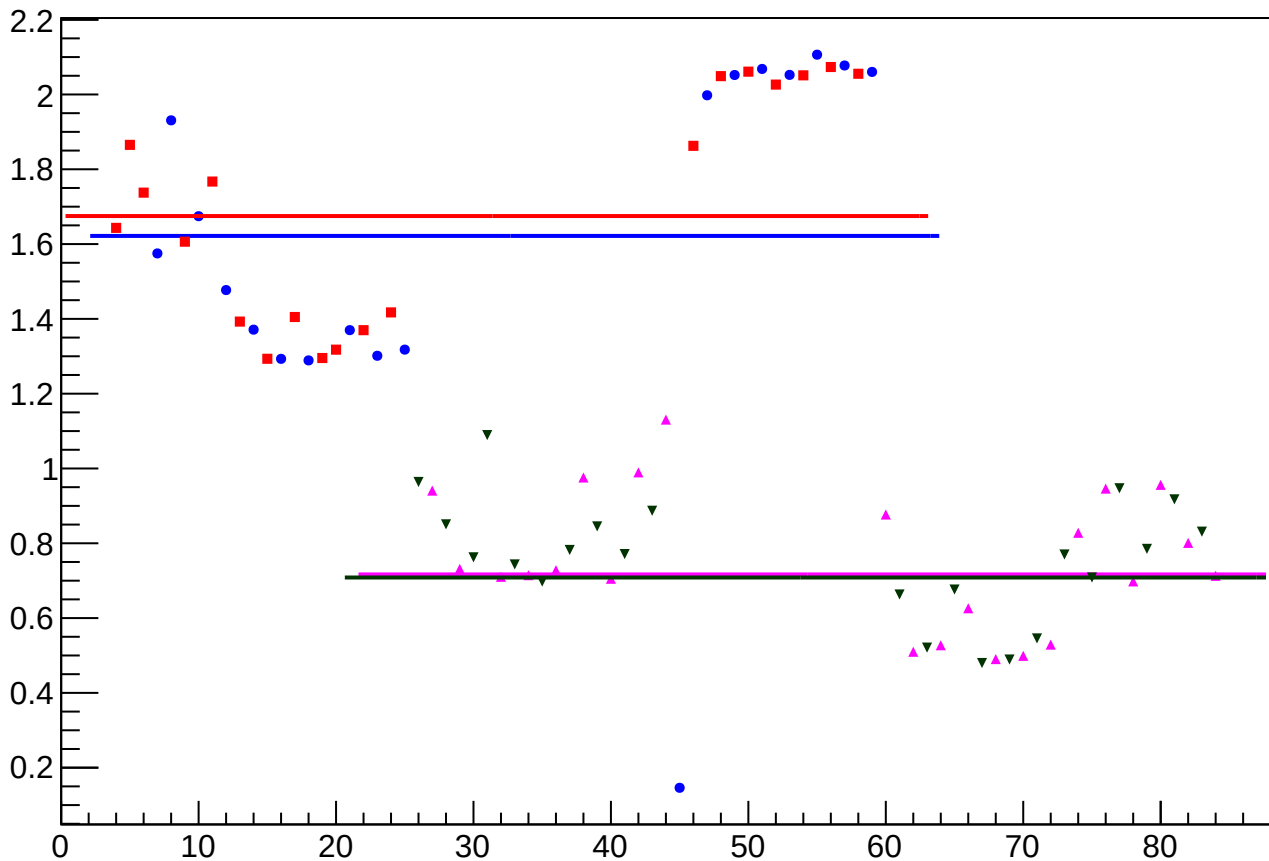
Right Out: 0.008 ± 0.000 χ^2/NDF : 57509.8/18

Left In: 0.007 ± 0.000 χ^2/NDF : 510752.0/21

0.008 ± 0.000 χ^2/NDF : 615236.2/39

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: 0.708 $\pm$ 0.000 χ^2 /NDF:4263113037.0/21

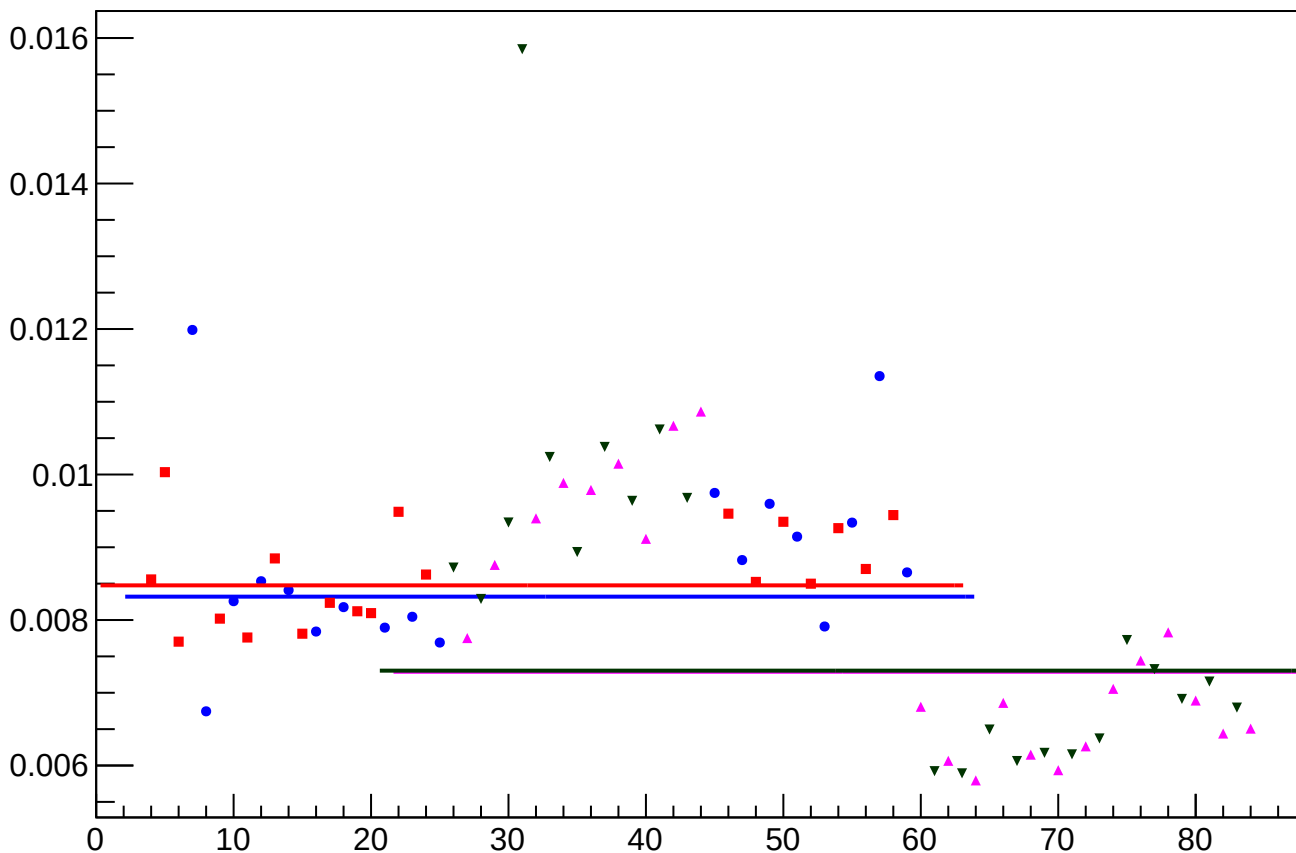
1.104 $\pm$ 0.000 χ^2 /NDF: 94226240728.9/39

Right Out: 1.675 $\pm$ 0.000 χ^2 /NDF: 9809193440.2/18

1.073 $\pm$ 0.000 χ^2 /NDF: 81472107318.1/40

Left In: 0.717 $\pm$ 0.000 χ^2 /NDF:5960900967.9/21

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 : 877558.9/21

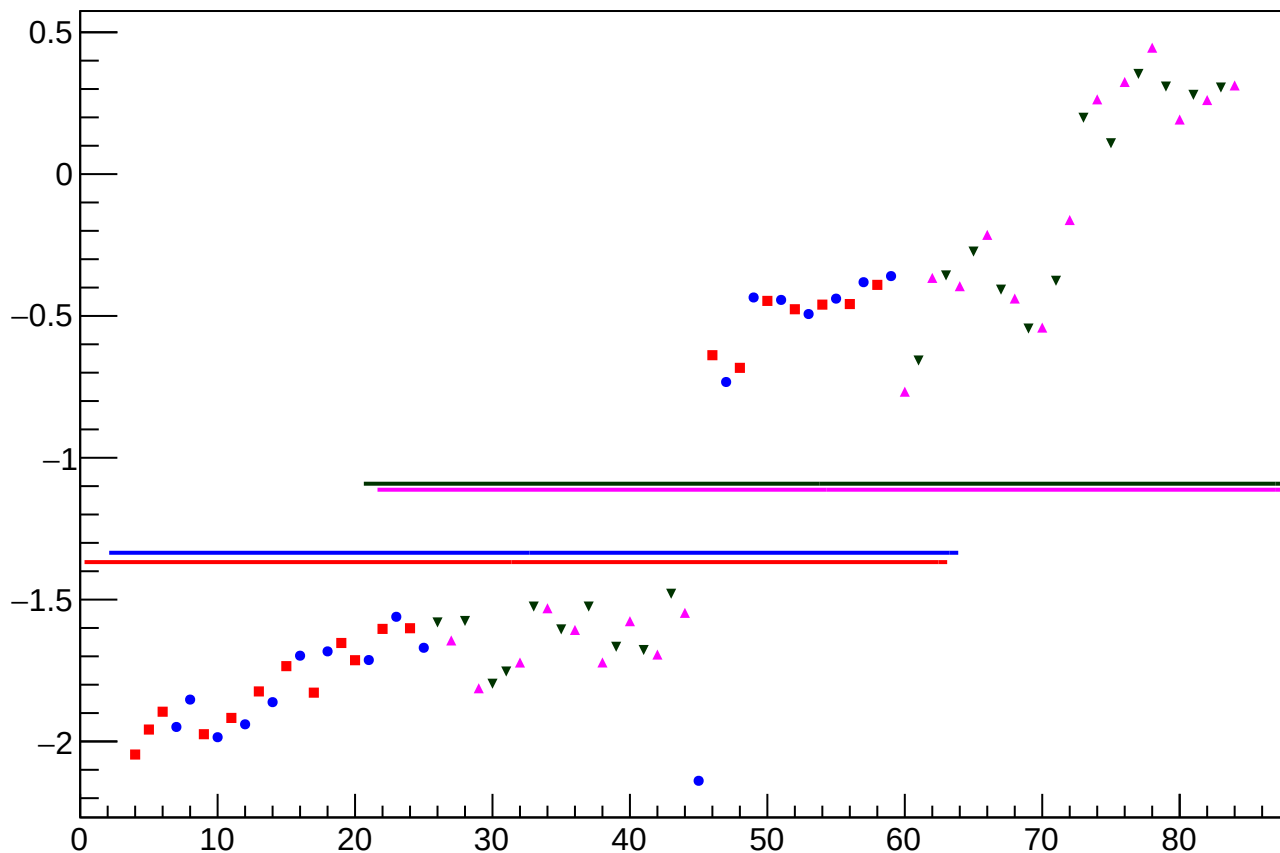
Right Out: 0.008+/-0.000 χ^2/NDF : 80155.6/18

Left In: 0.007+/-0.000 χ^2/NDF : 774574.3/21

0.008+/-0.000 χ^2/NDF : 1267532.8/39

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: -1.091+/-0.000 χ^2/NDF : 31905577712.7/21

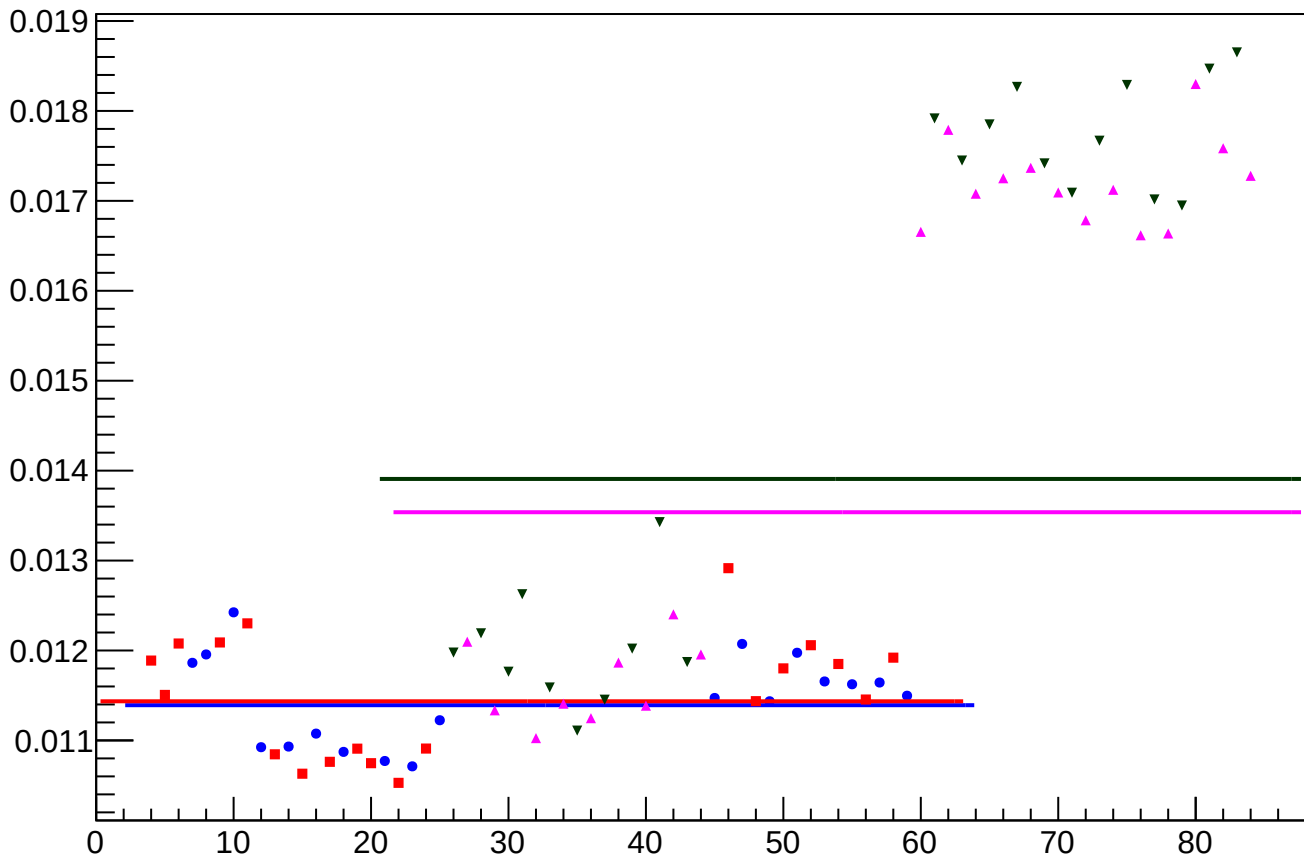
Right Out: -1.368+/-0.000 χ^2/NDF : 29057521992.7/18

Left In: -1.113+/-0.000 χ^2/NDF : 40186113993.9/21

-1.239+/-0.000 χ^2/NDF : 72299990935.8/39

-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 : 865509.9/21

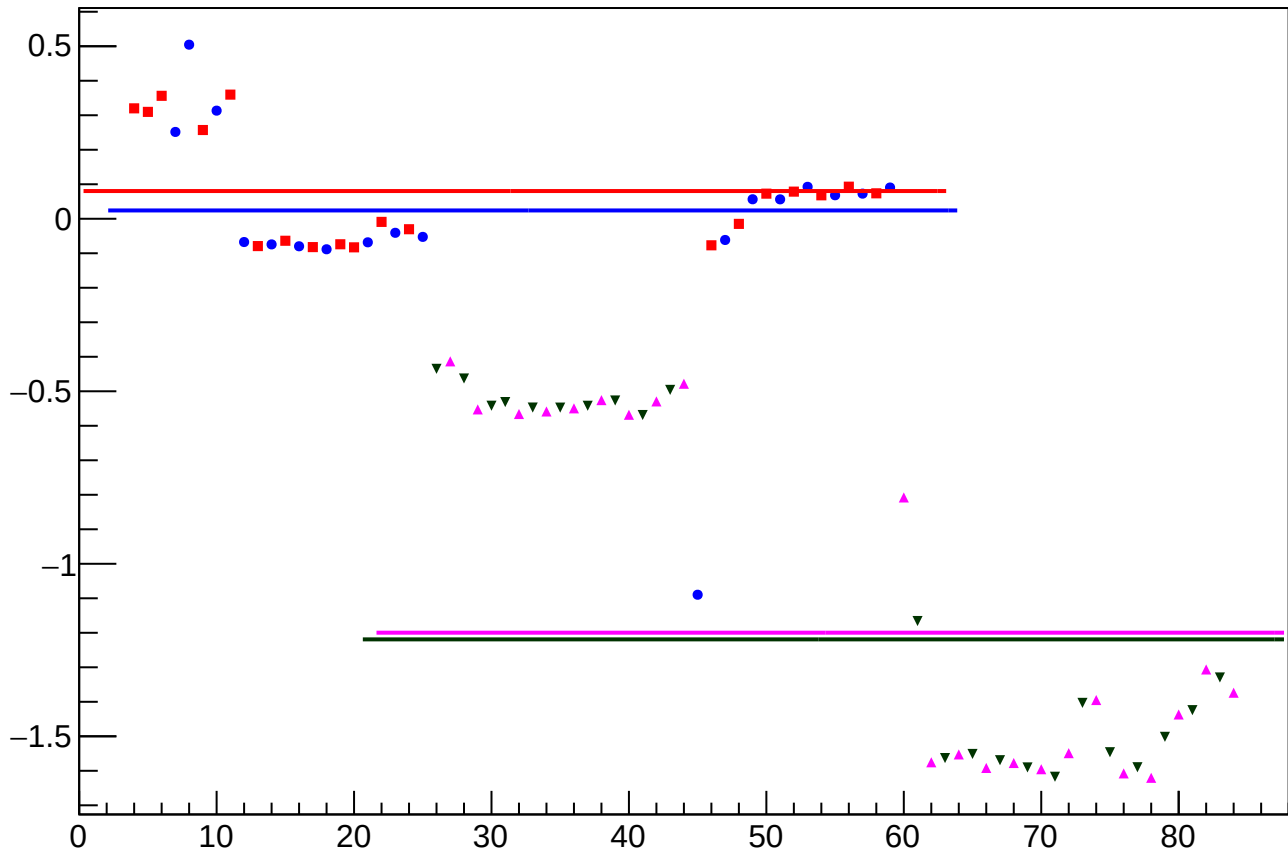
Right Out: 0.011+/-0.000 χ^2/NDF : 65676.1/18

Left In: 0.014+/-0.000 χ^2/NDF : 939393.2/21

0.012+/-0.000 χ^2/NDF : 1334150.0/39

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: -1.219+/-0.000 χ^2/NDF : 57338513488.7/21

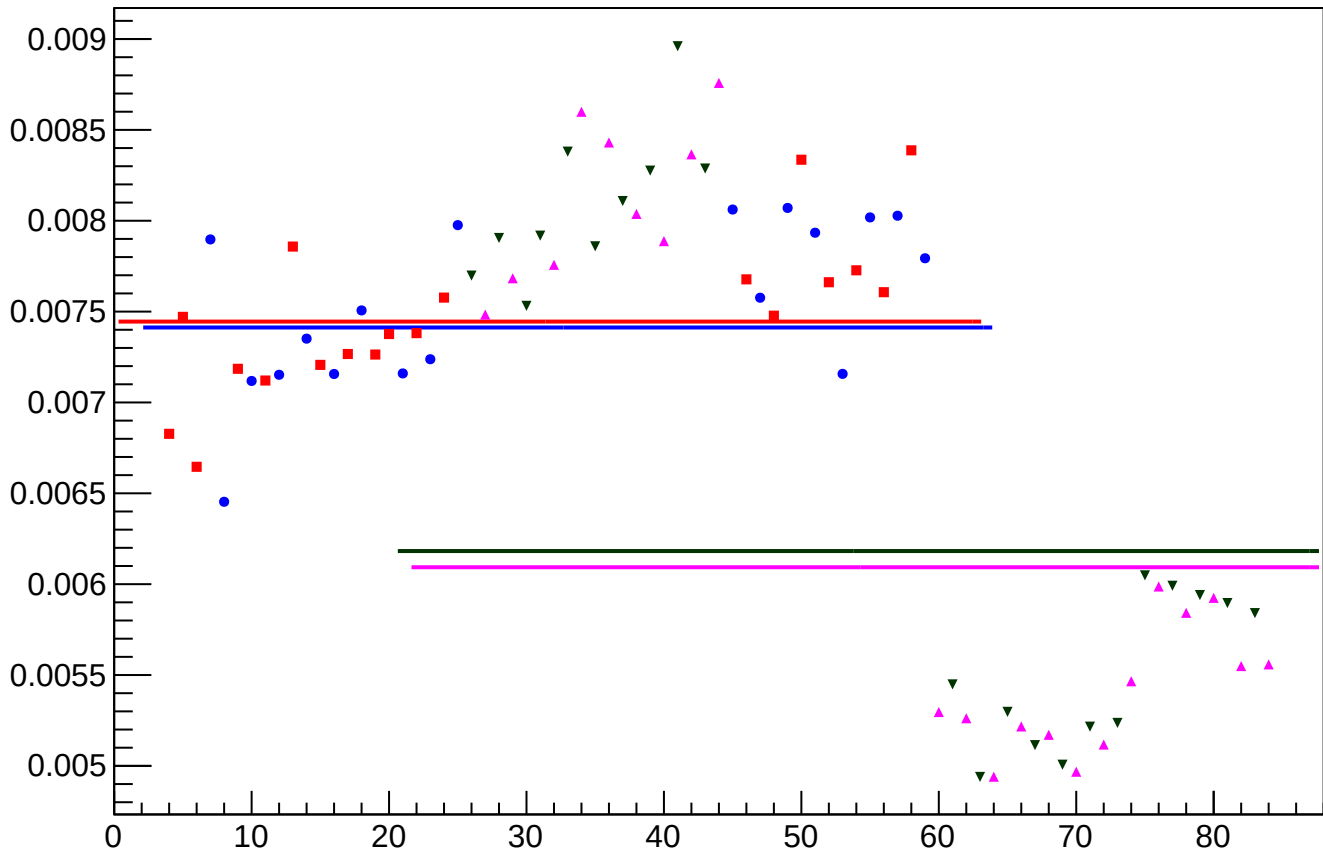
-0.700+/-0.000 χ^2/NDF : 254020150483.5/39

Right Out: 0.080+/-0.000 χ^2/NDF : 4561023053.2/18

-0.743+/-0.000 χ^2/NDF : 252283441274.0/40

Left In: -1.200+/-0.000 χ^2/NDF : 65737128435.4/21

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 : 867844.1/21

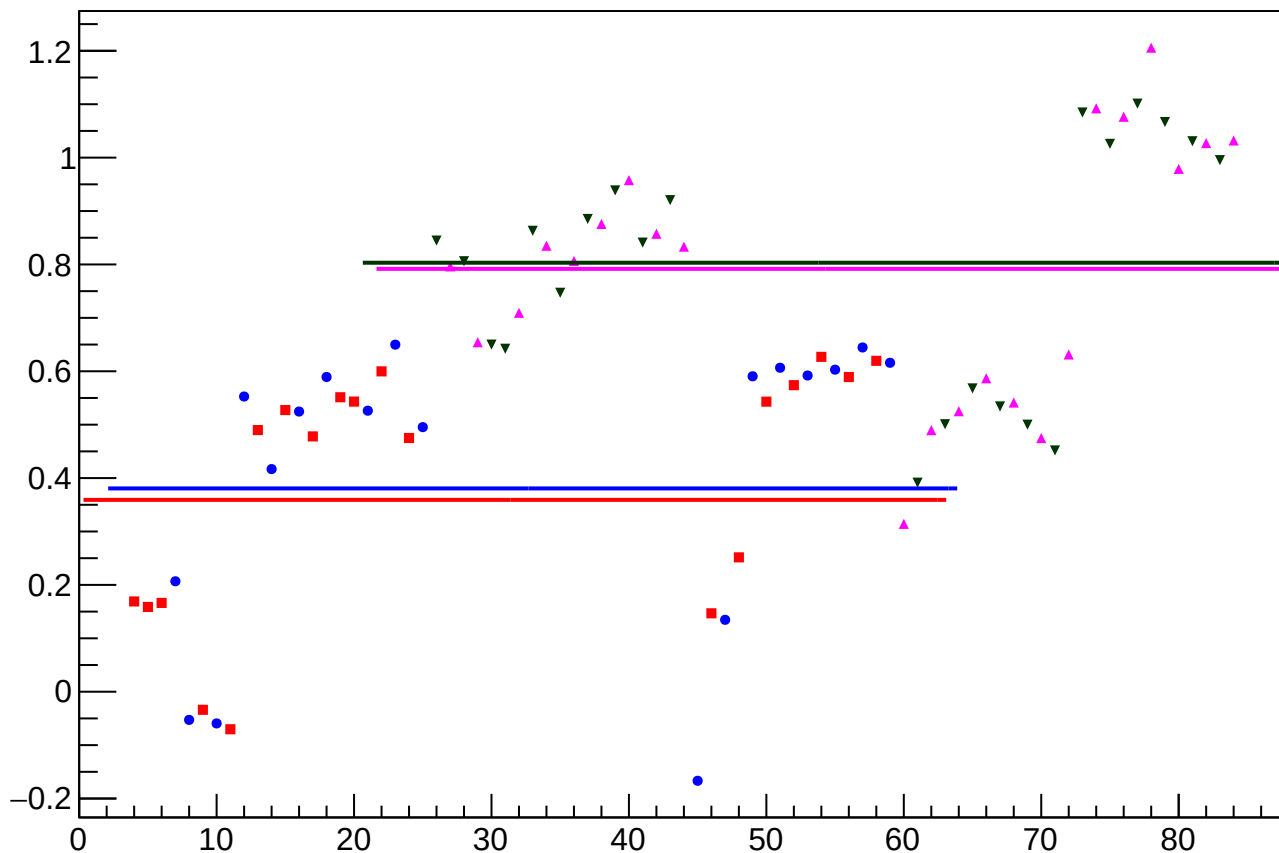
0.007+/-0.000 χ^2/NDF : 1308484.3/39

Right Out: 0.007+/-0.000 χ^2/NDF : 61122.7/18

0.007+/-0.000 χ^2/NDF : 1397133.9/40

Left In: 0.006+/-0.000 χ^2/NDF : 929959.7/21

yield_bpm0l05X_mean vs slug



Right In: 0.381+/-0.000 χ^2/NDF : 17766233664.3/17

Left Out: 0.803+/-0.000 χ^2/NDF : 10066664165.7/21

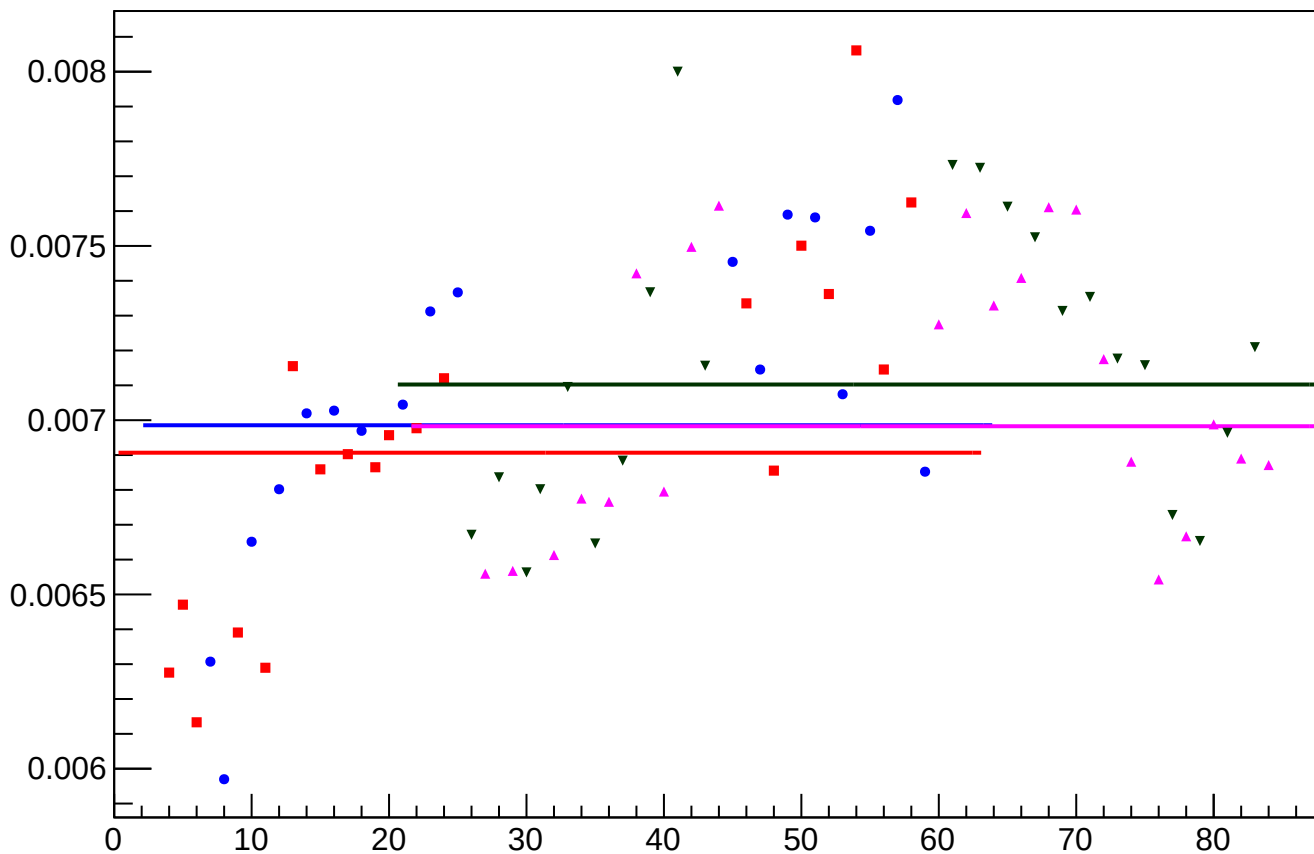
Right Out: 0.359+/-0.000 χ^2/NDF : 11904326957.3/18

Left In: 0.792+/-0.000 χ^2/NDF : 12080818427.6/21

0.590+/-0.000 χ^2/NDF : 47696597806.6/39

0.597+/-0.000 χ^2/NDF : 44848509395.5/40

yield_bpm0l05X_rms vs slug



Right In: 0.007 ± 0.000 χ^2/NDF : 107156.0/17

Left Out: 0.007 ± 0.000 χ^2/NDF : 66972.4/21

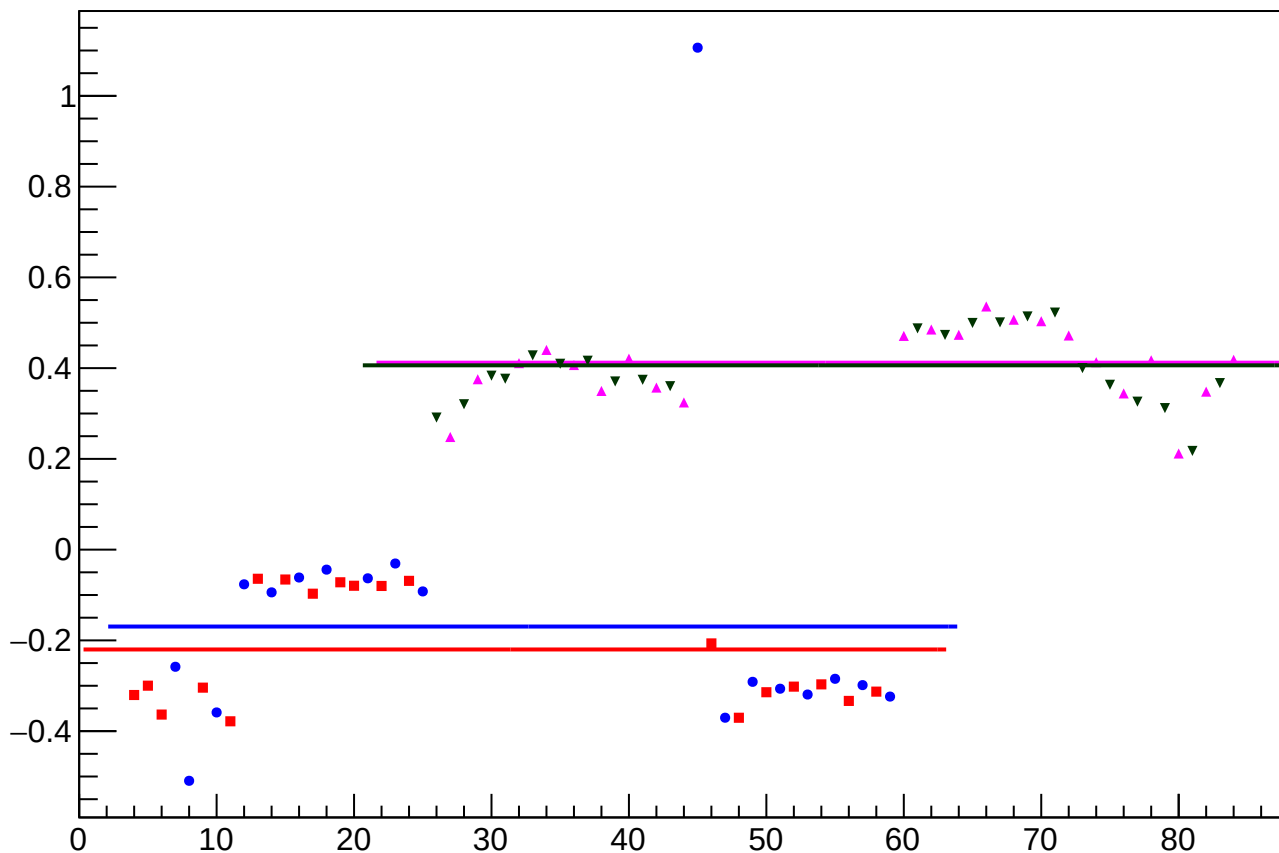
Right Out: 0.007 ± 0.000 χ^2/NDF : 97555.6/18

Left In: 0.007 ± 0.000 χ^2/NDF : 73102.7/21

0.007 ± 0.000 χ^2/NDF : 177169.3/39

0.007 ± 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: 0.406+/-0.000 χ^2/NDF :3188125062.3/21

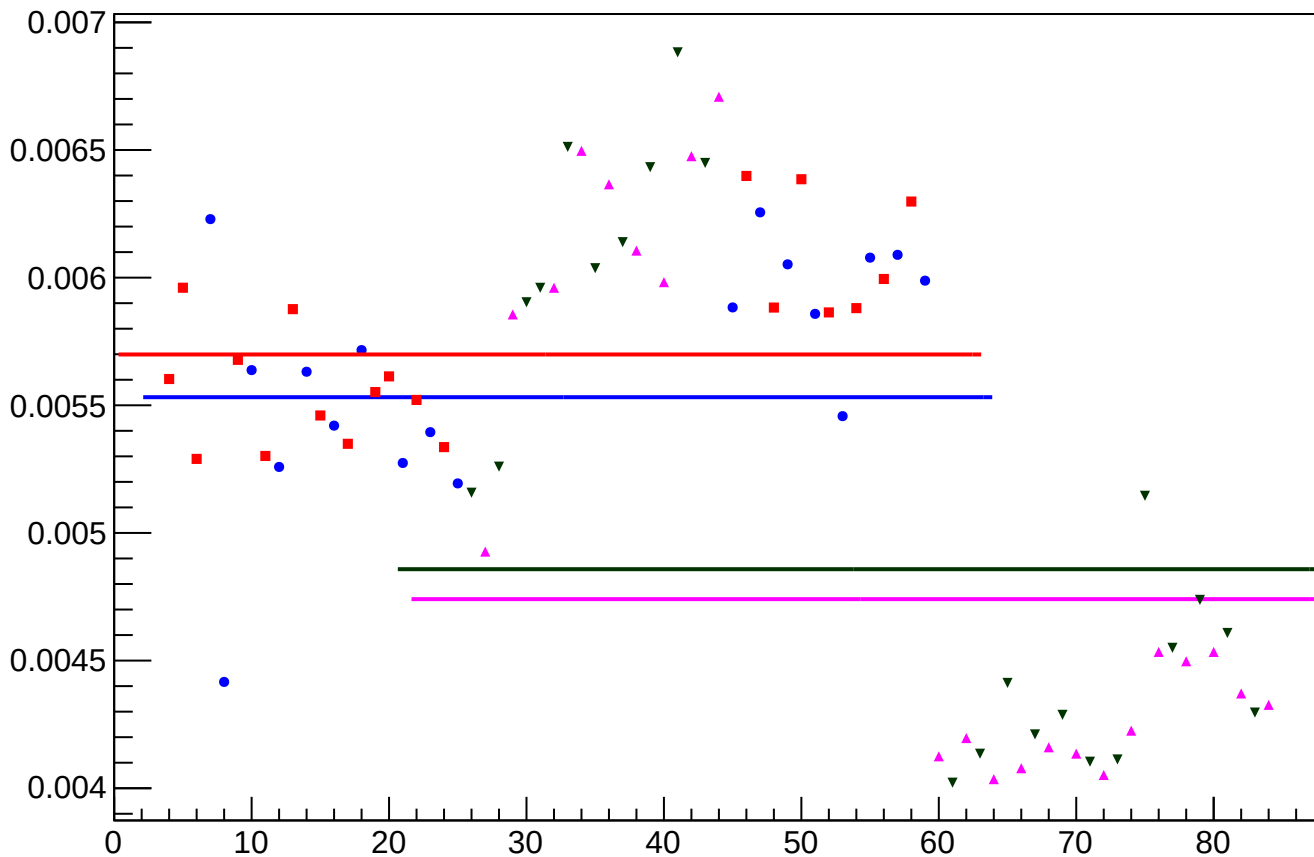
Right Out: -0.220+/-0.000 χ^2/NDF : 4721801975.9/18

Left In: 0.412+/-0.000 χ^2/NDF :3797405928.9/21

0.153+/-0.000 χ^2/NDF : 105692286240.4/39

0.183+/-0.000 χ^2/NDF : 83096445302.5/40

yield_bpm0l05Y_rms vs slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 186989.4/17

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 653082.2/21

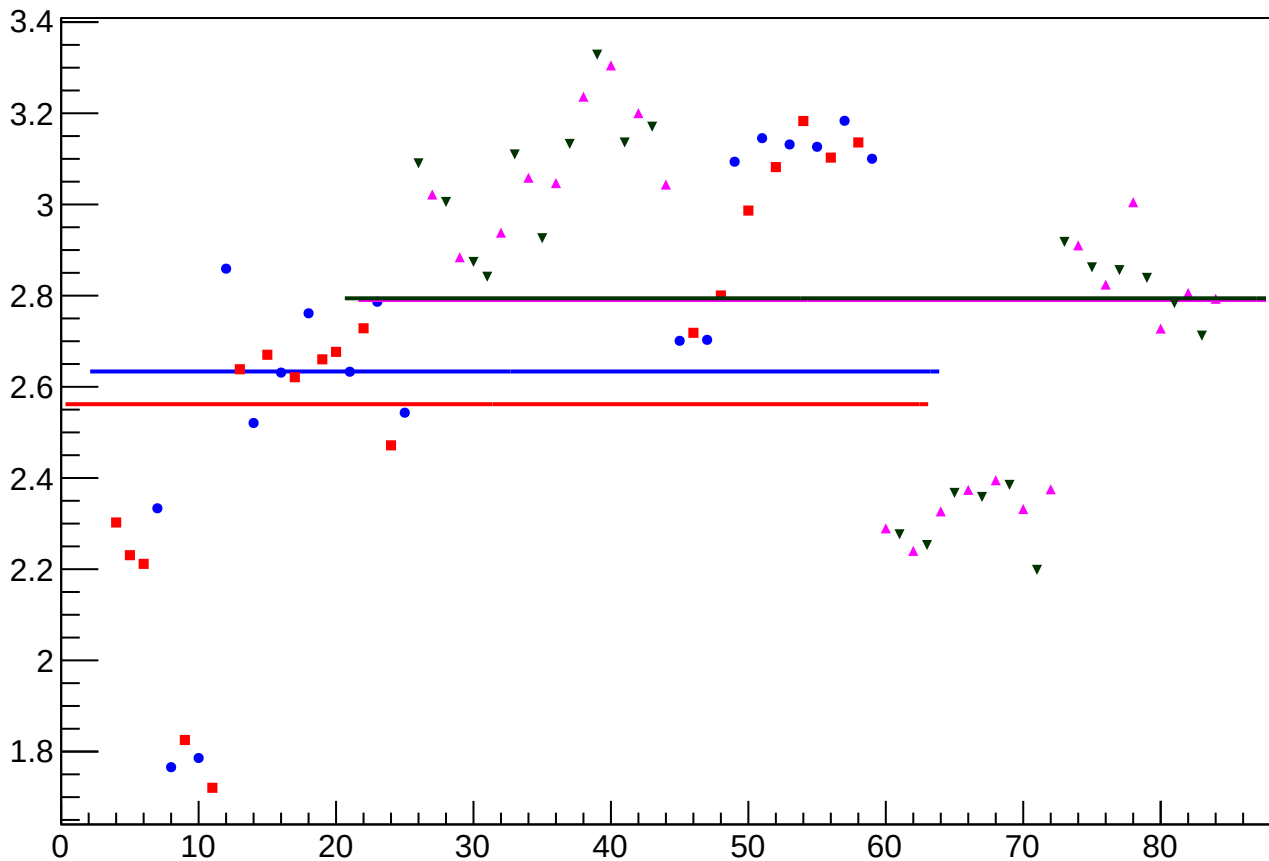
Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 66415.4/18

Left In: 0.005 $\pm$ 0.000 χ^2 /NDF: 721637.0/21

0.005 $\pm$ 0.000 χ^2 /NDF: 1019115.1/39

0.005 $\pm$ 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 : 12951724854.9/21

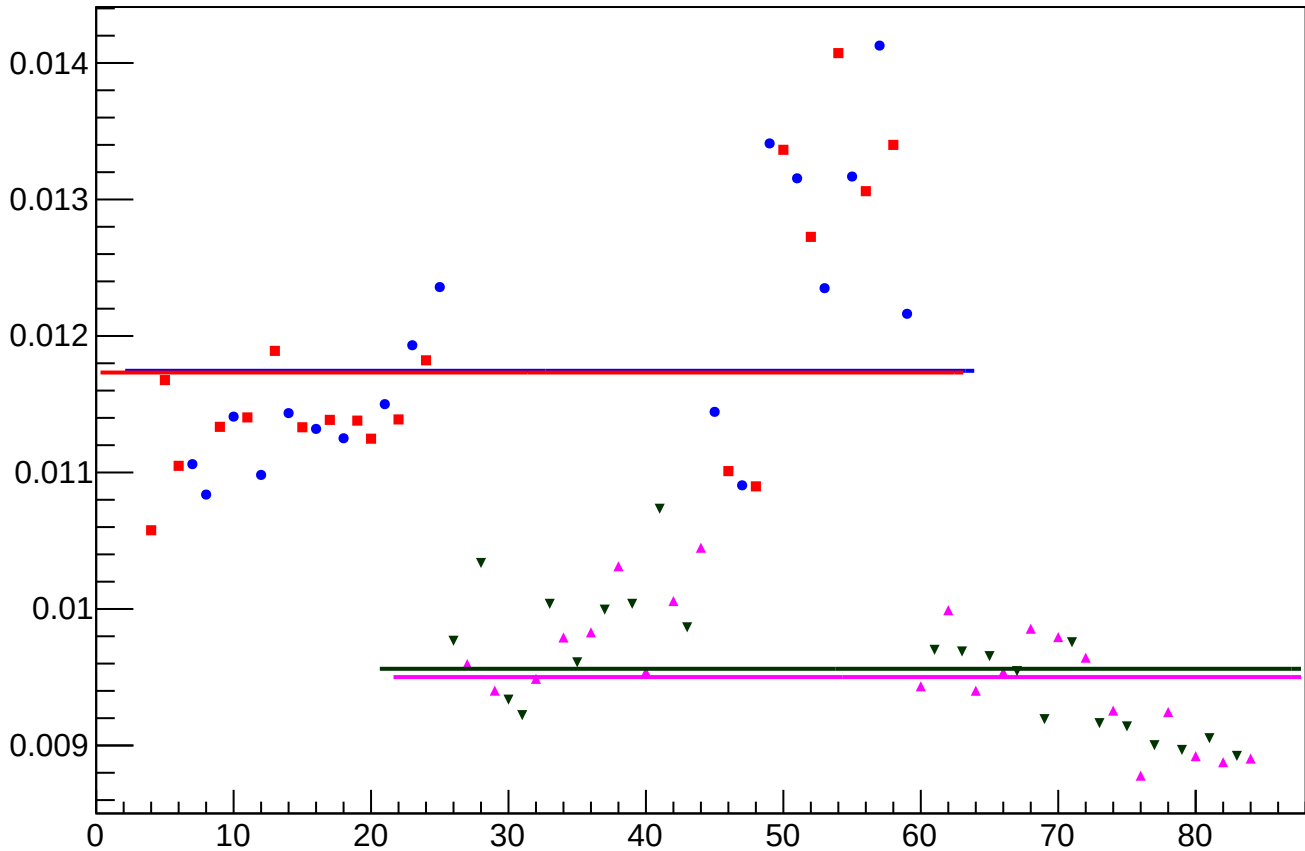
2.731+/-0.000 χ^2/NDF : 30070270471.4/39

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:54089.1/21

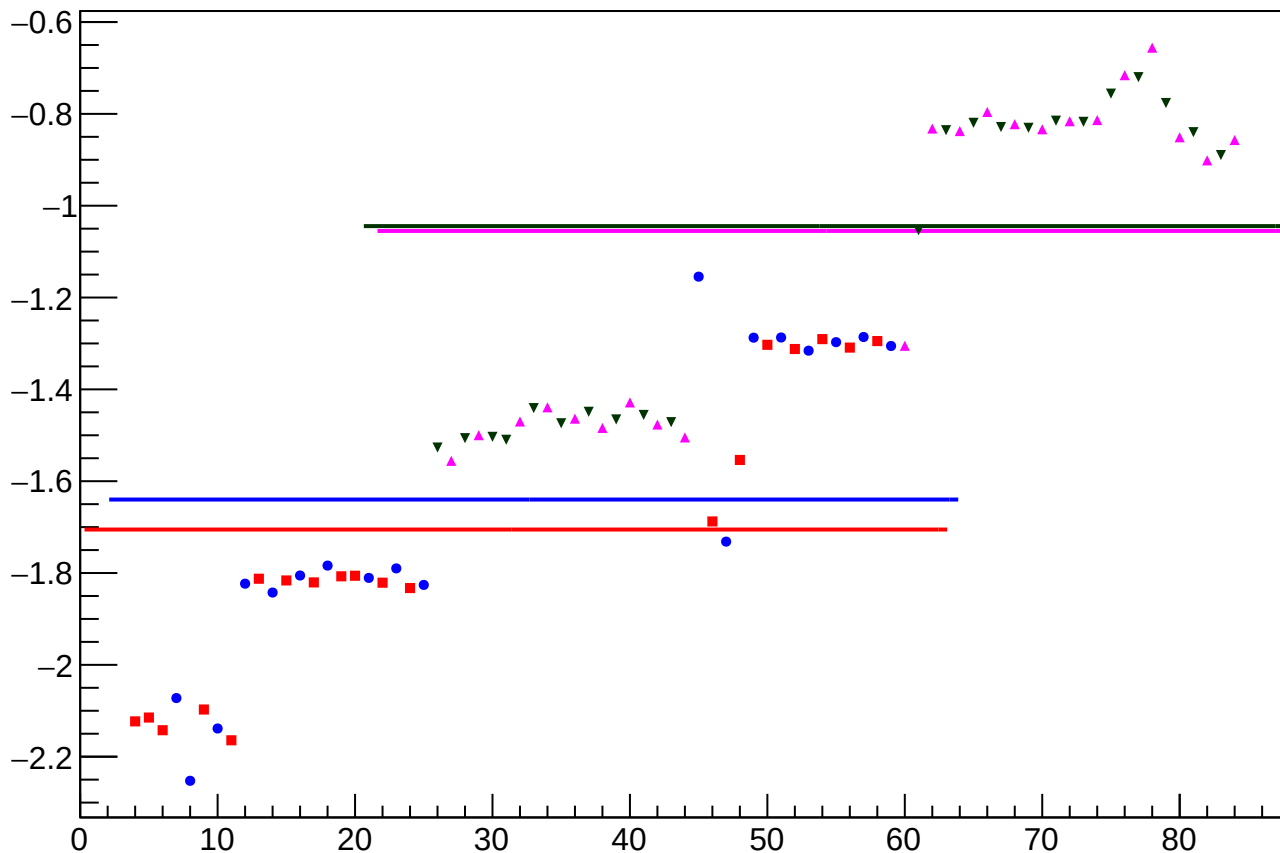
0.010 $\pm$ 0.000 χ^2 /NDF: 629745.6/39

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: -1.044+/-0.000 χ^2/NDF : 52172042050.4/21

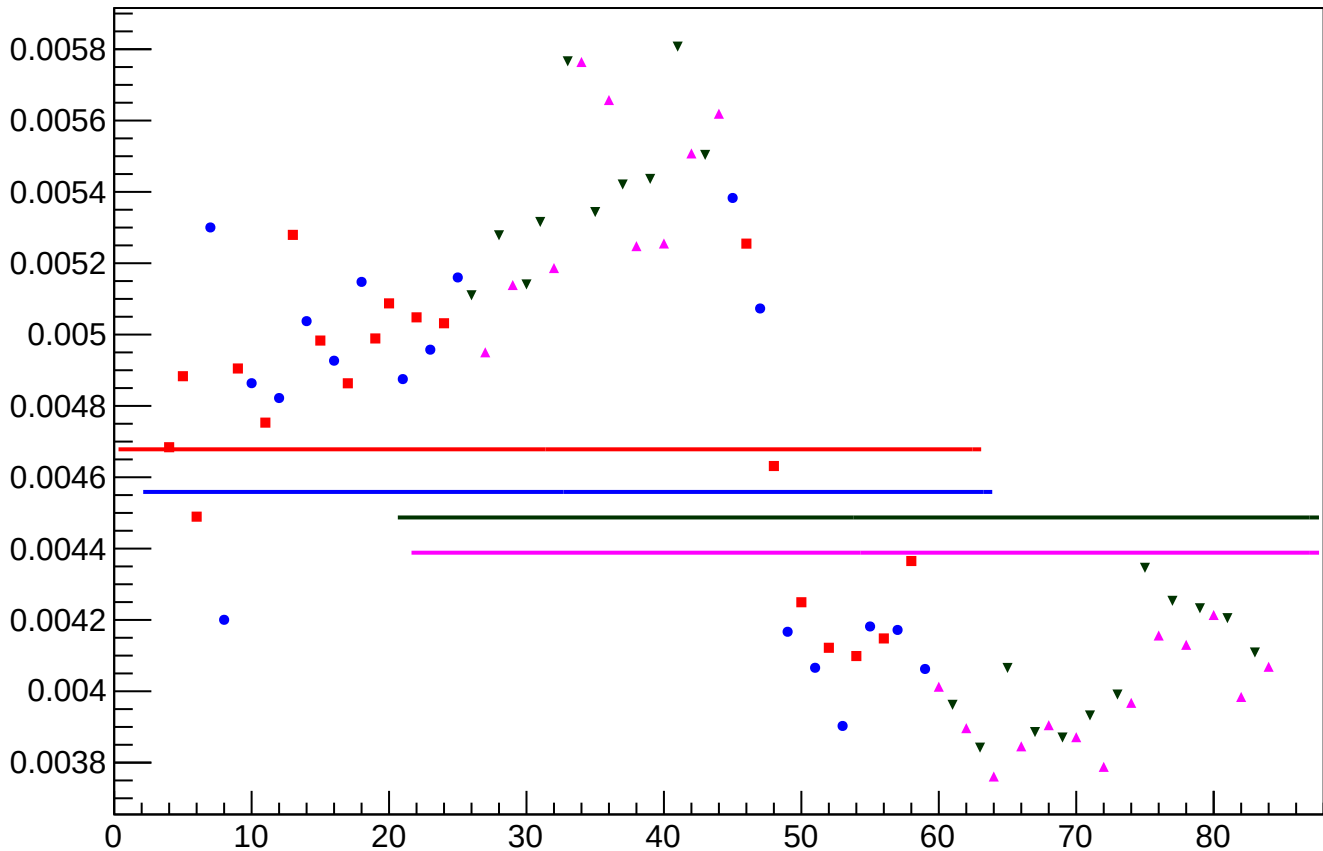
-1.338+/-0.000 χ^2/NDF : 209860393343.7/39

Right Out: -1.705+/-0.000 χ^2/NDF : 45414052250.2/18

-1.326+/-0.000 χ^2/NDF : 216278542938.8/40

Left In: -1.055+/-0.000 χ^2/NDF : 62929800597.1/21

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 : 470067.3/21

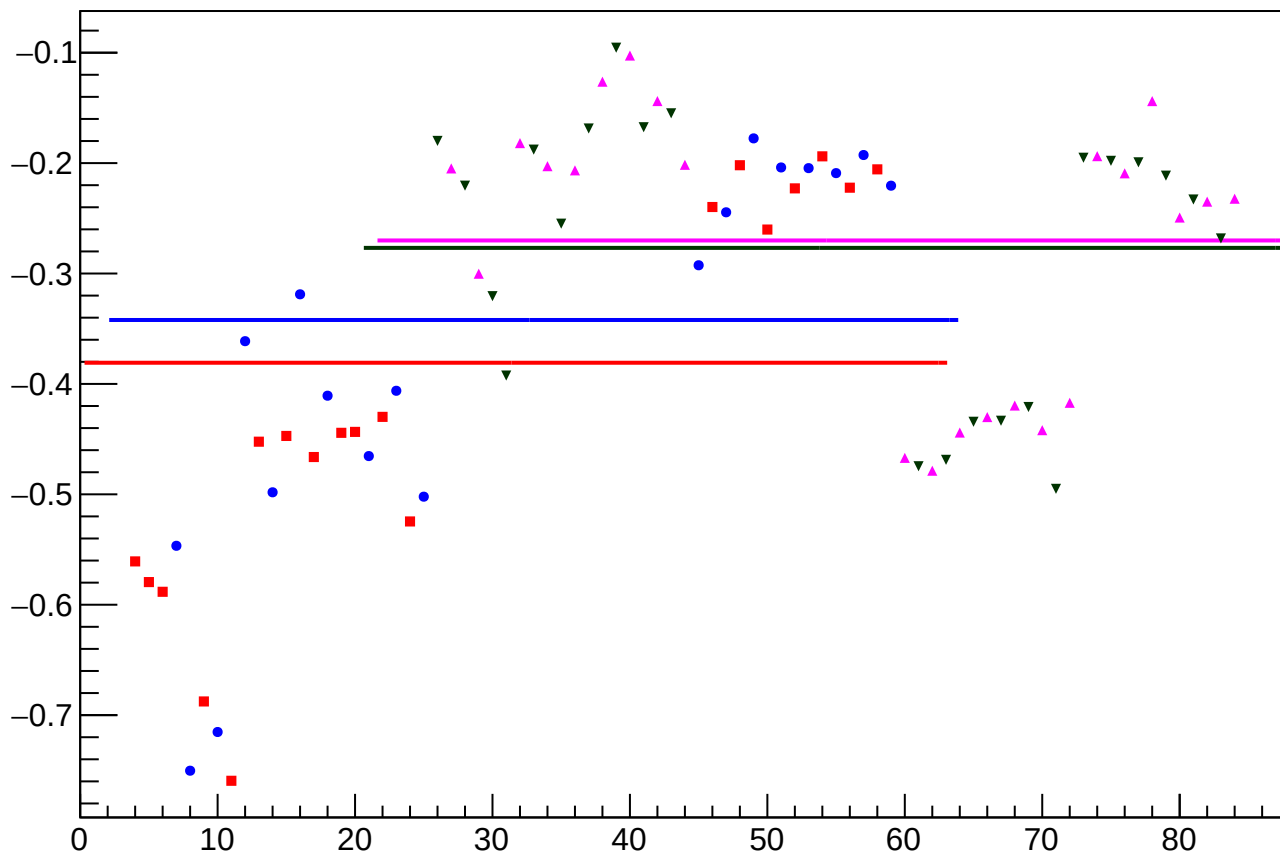
Right Out: 0.005+/-0.000 χ^2/NDF : 136426.0/18

Left In: 0.004+/-0.000 χ^2/NDF : 513739.4/21

0.005+/-0.000 χ^2/NDF : 701372.9/39

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: -0.277+/-0.000 χ^2/NDF : 771203129.5/21

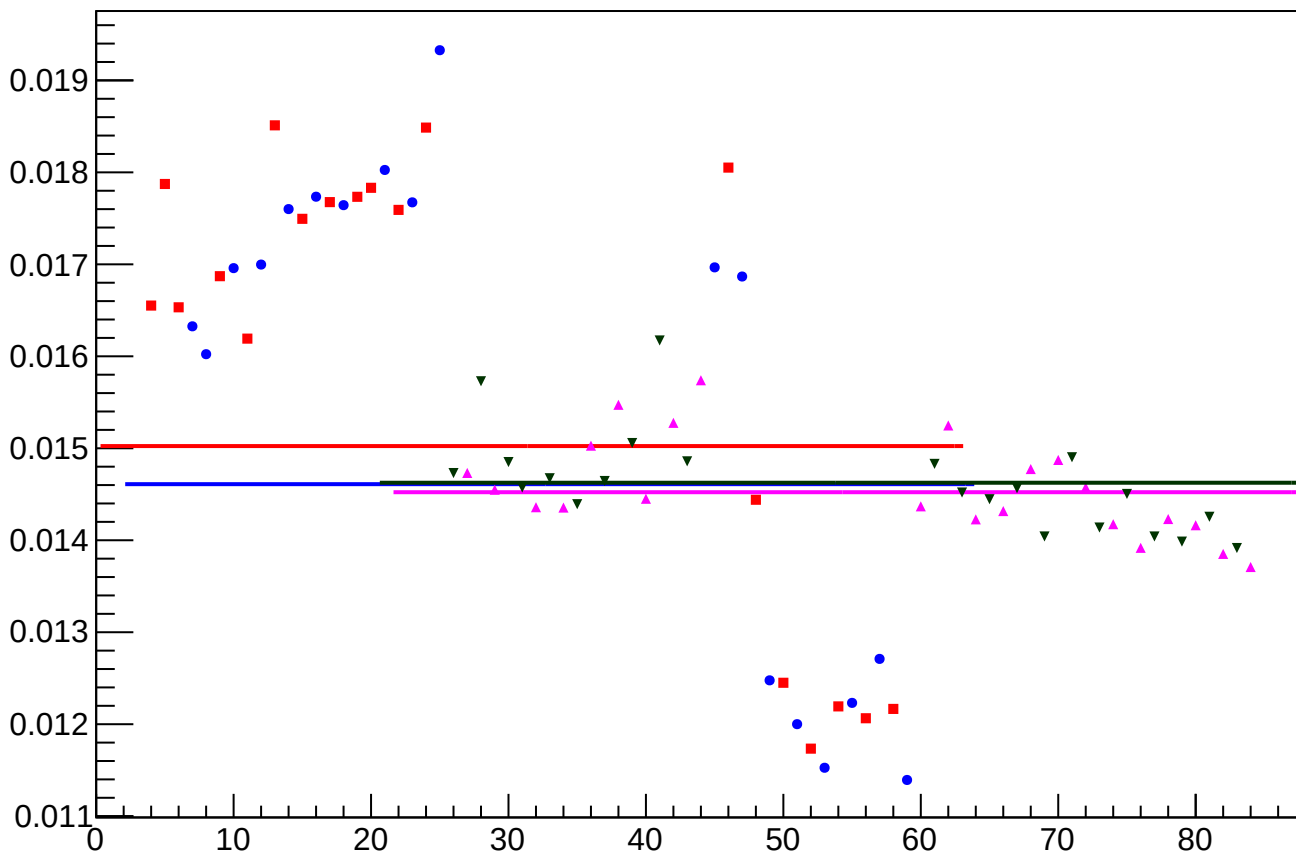
Right Out: -0.381+/-0.000 χ^2/NDF : 1387002500.9/18

Left In: -0.270+/-0.000 χ^2/NDF : 793985093.1/21

-0.309+/-0.000 χ^2/NDF : 2550456133.4/39

-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 : 30157.9/21

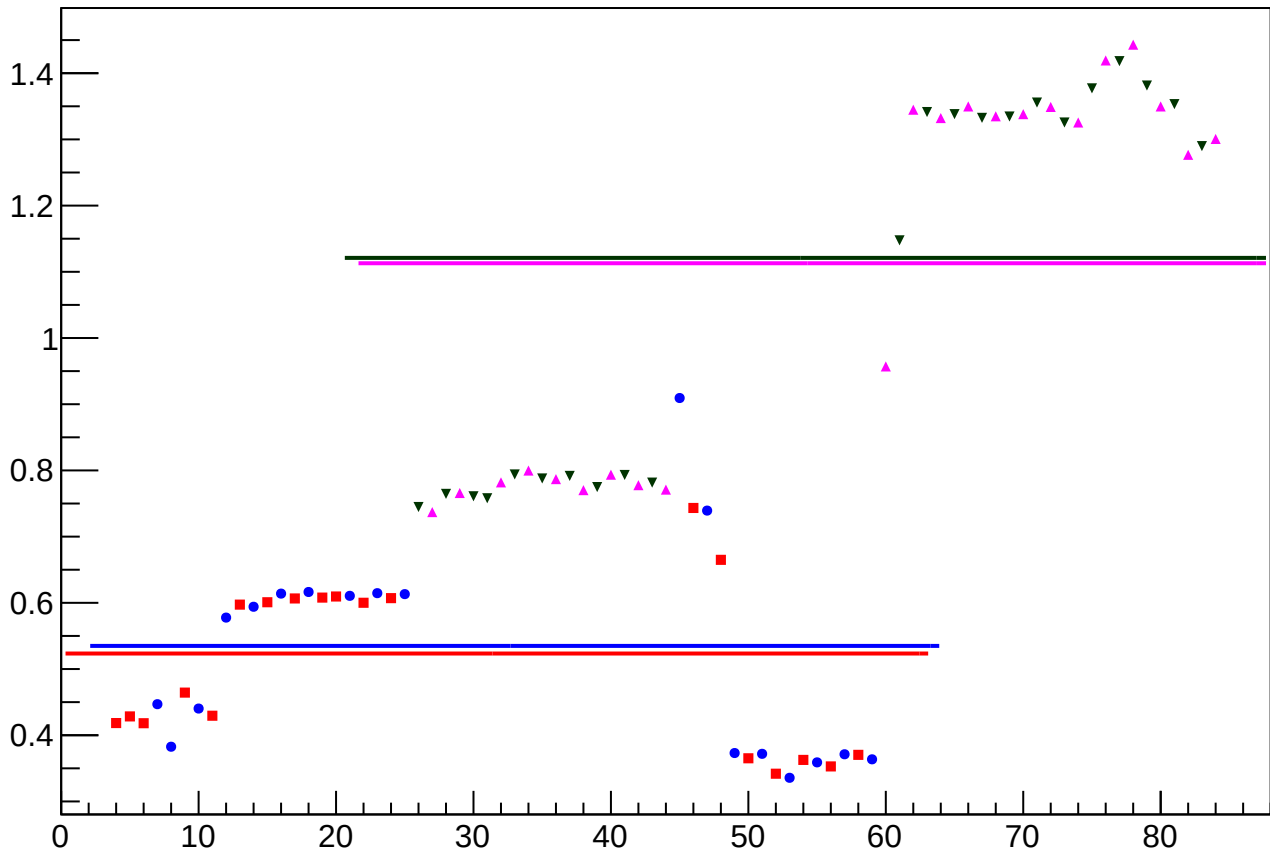
Right Out: 0.015 ± 0.000 χ^2/NDF : 573783.3/18

Left In: 0.015 ± 0.000 χ^2/NDF : 28162.2/21

0.015 ± 0.000 χ^2/NDF : 742096.9/39

0.015 ± 0.000 χ^2/NDF : 614086.1/40

yield_bpm0l07Y_mean vs slug



Right In: 0.535+/-0.000 χ^2/NDF : 21231144094.8/17

Left Out: 1.121+/-0.000 χ^2/NDF : 96683429161.3/21

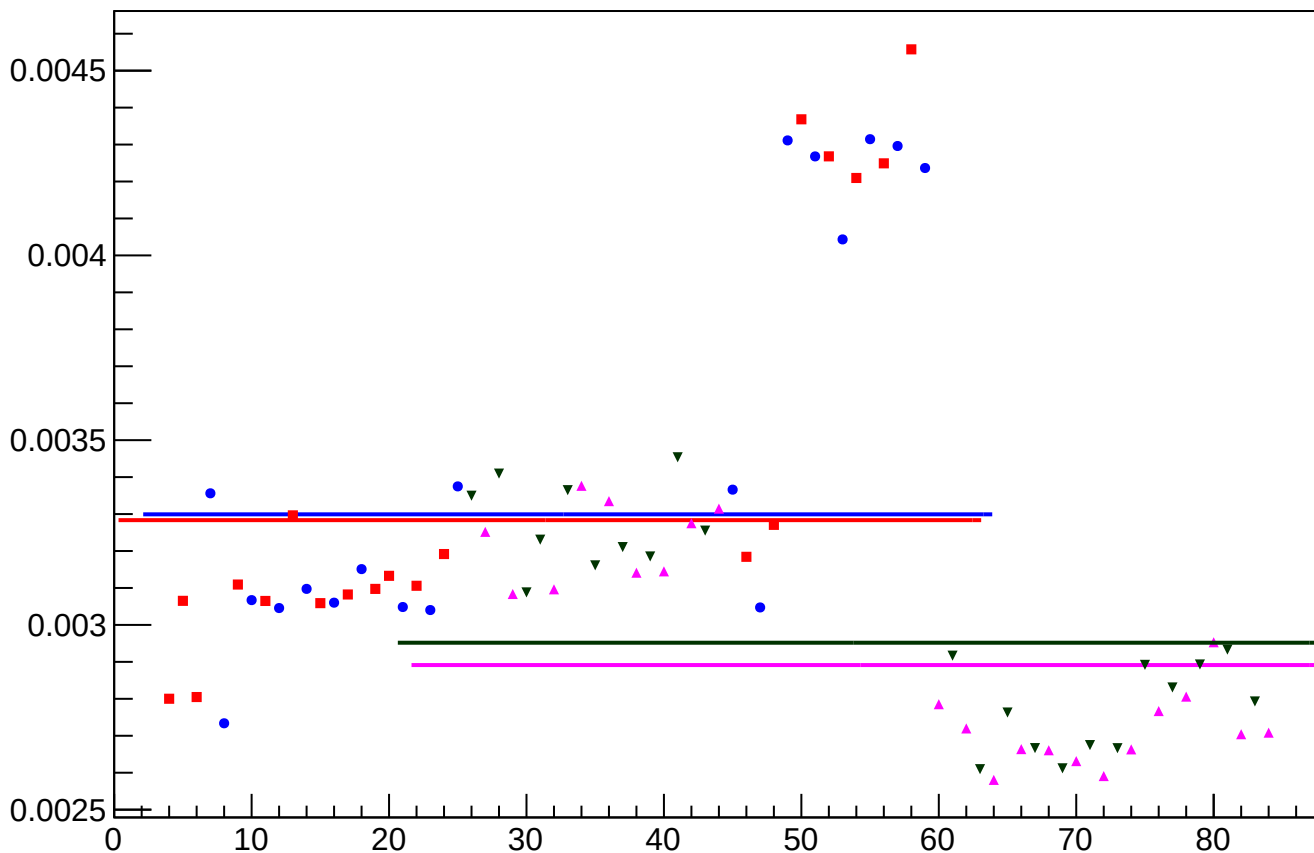
0.864+/-0.000 χ^2/NDF : 308073542877.9/39

Right Out: 0.523+/-0.000 χ^2/NDF : 11523934099.1/18

0.889+/-0.000 χ^2/NDF : 311170427868.9/40

Left In: 1.113+/-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 :189383.4/21

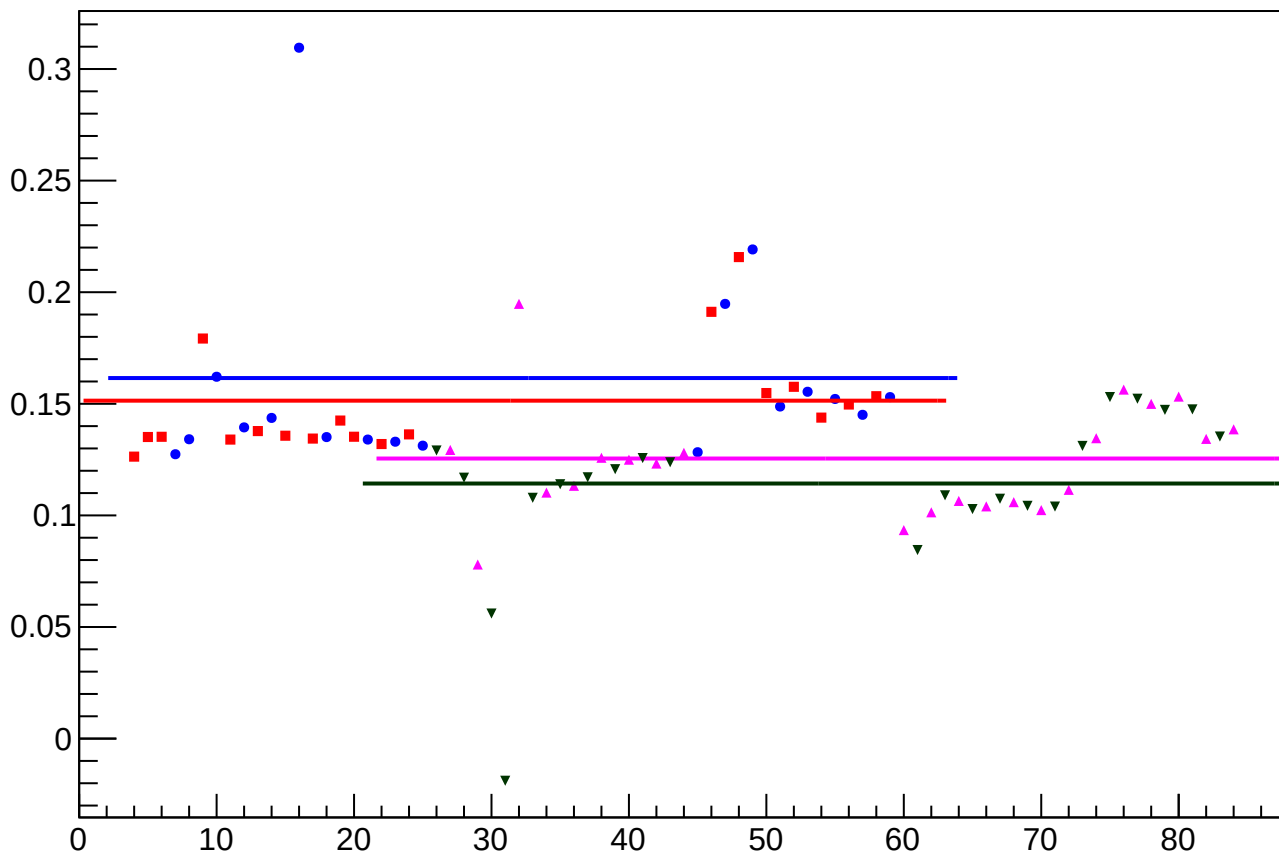
Right Out: 0.003+/-0.000 χ^2/NDF : 382277.8/18

Left In: 0.003+/-0.000 χ^2/NDF :193829.3/21

0.003+/-0.000 χ^2/NDF : 820614.9/39

0.003+/-0.000 χ^2/NDF : 743558.4/40

yield_bpm0l08X_mean vs slug



Right In: 0.162 $\pm$ 0.000 χ^2 /NDF: 94764439.1/17

Left Out: 0.114 $\pm$ 0.000 χ^2 /NDF: 65568521.0/21

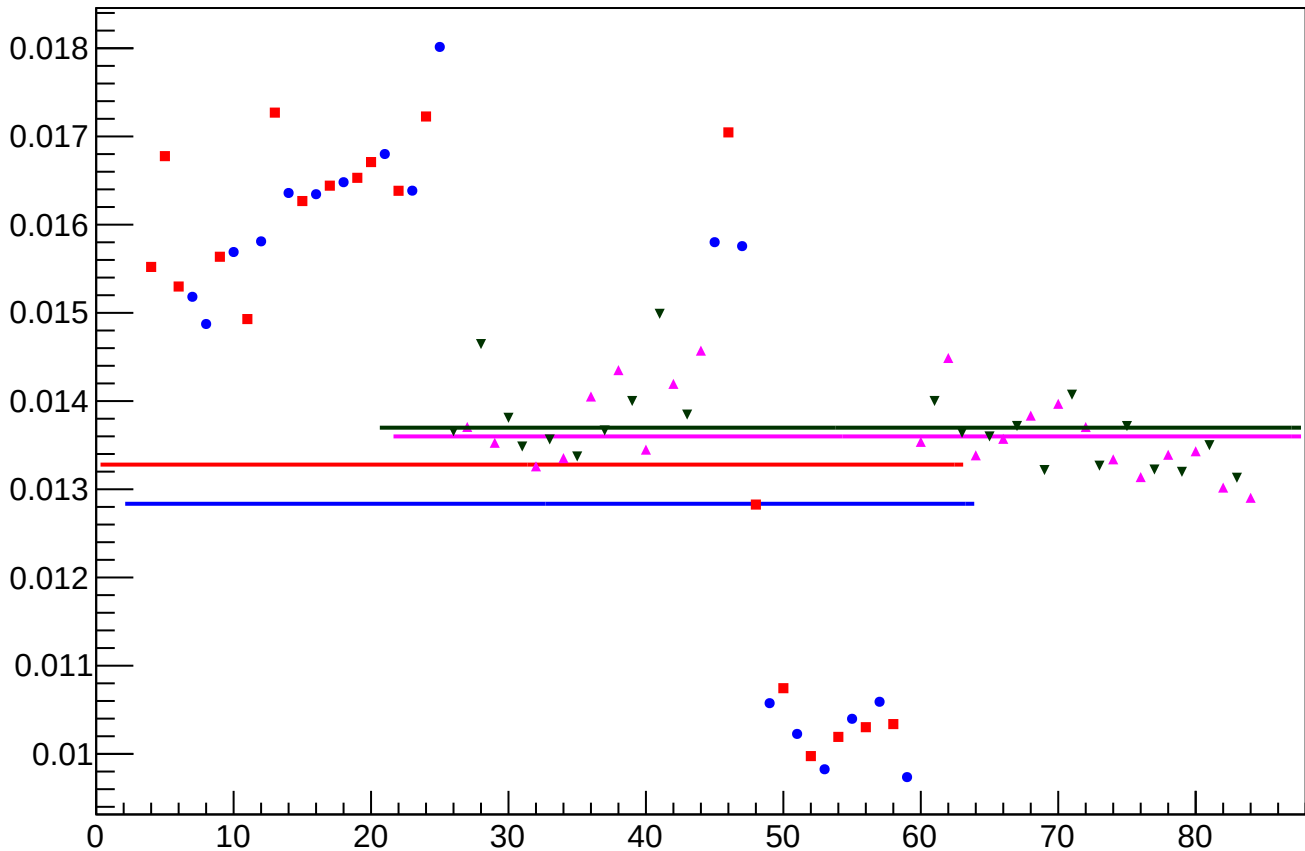
Right Out: 0.151 $\pm$ 0.000 χ^2 /NDF: 22463584.0/18

Left In: 0.125 $\pm$ 0.000 χ^2 /NDF: 52832260.0/21

0.139 $\pm$ 0.000 χ^2 /NDF: 229242442.0/39

0.137 $\pm$ 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 : 24549.2/21

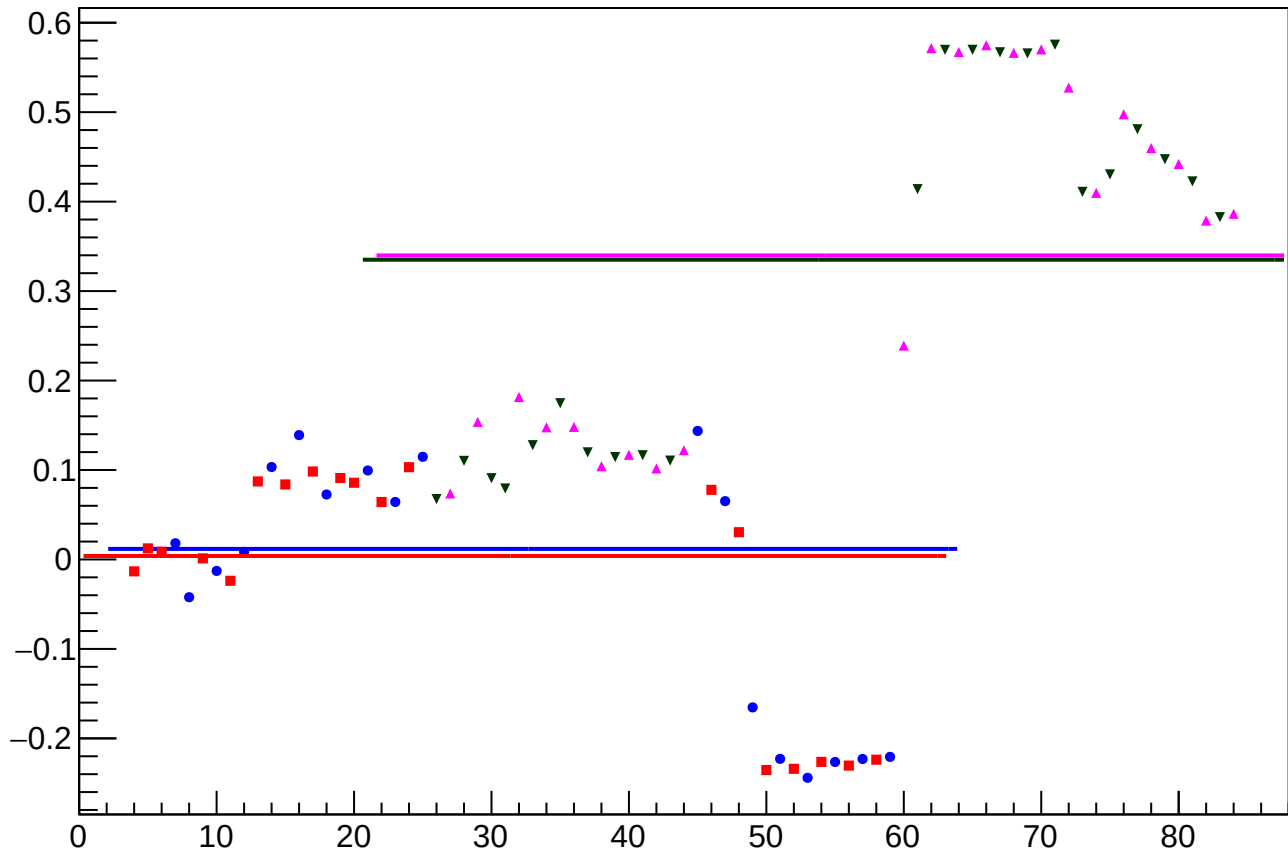
Right Out: 0.013+/-0.000 χ^2/NDF : 890007.3/18

Left In: 0.014+/-0.000 χ^2/NDF : 24201.1/21

0.013+/-0.000 χ^2/NDF : 1158725.9/39

0.013+/-0.000 χ^2/NDF : 920127.6/40

yield_bpm0l08Y_mean vs slug



Right In: 0.012+/-0.000 χ^2/NDF : 12179192870.2/17

Left Out: 0.335+/-0.000 χ^2/NDF : 45332921776.2/21

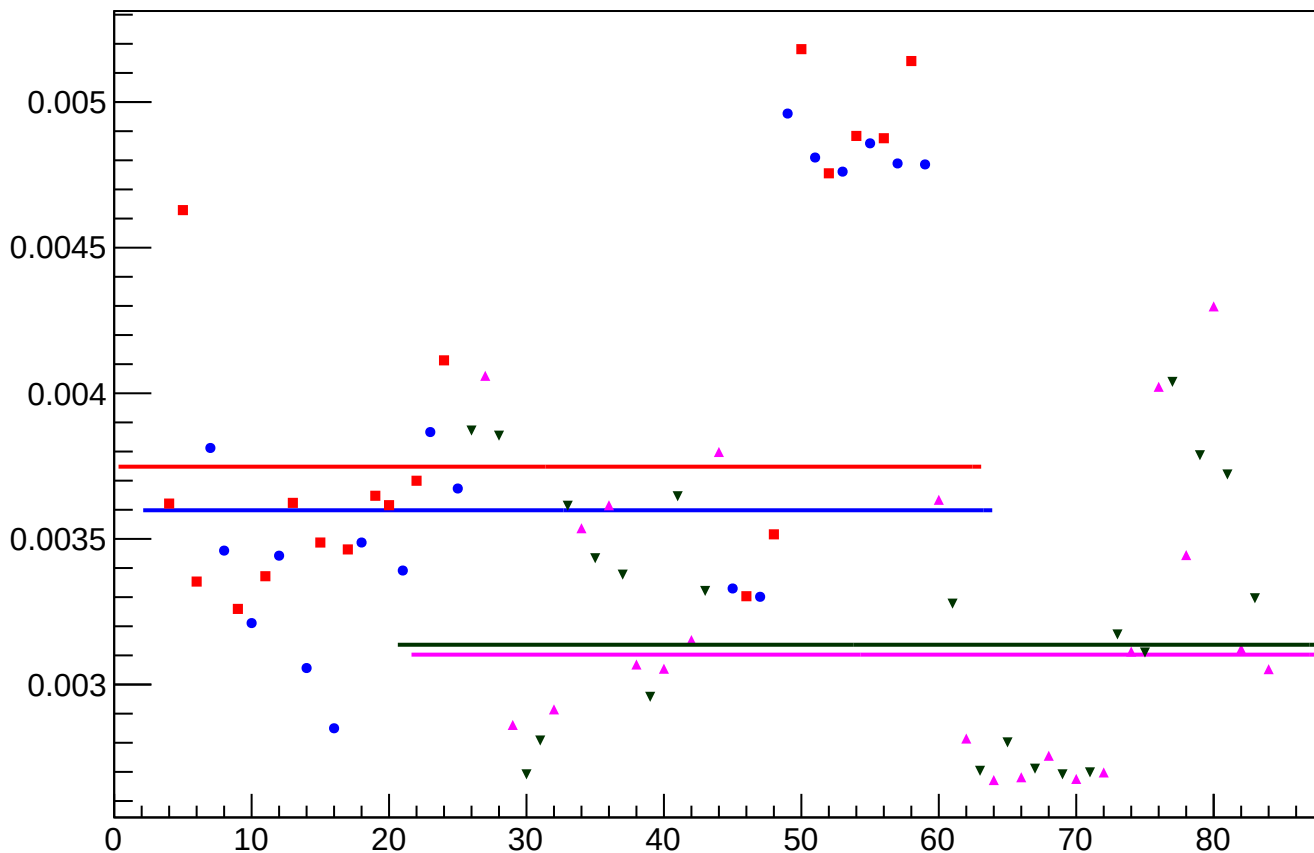
Right Out: 0.004+/-0.000 χ^2/NDF : 7924148421.7/18

Left In: 0.340+/-0.000 χ^2/NDF : 45057552081.2/21

0.197+/-0.000 χ^2/NDF : 105871843750.4/39

0.222+/-0.000 χ^2/NDF : 100863076257.8/40

yield_bpm0l08Y_rms vs slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 672957.8/17

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:399138.5/21

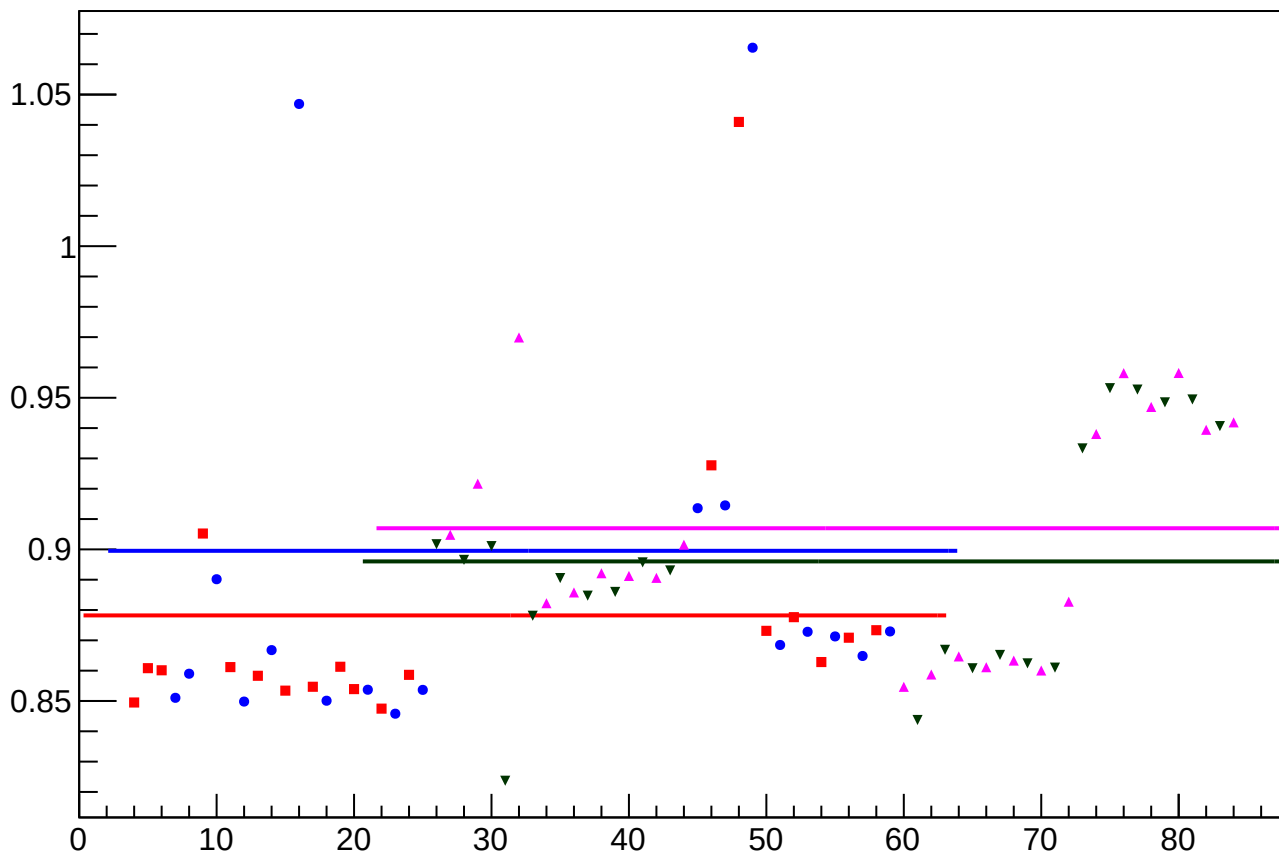
Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 427283.7/18

Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:466446.1/21

0.003 $\pm$ 0.000 χ^2 /NDF: 1269469.0/39

0.003 $\pm$ 0.000 χ^2 /NDF: 1247185.0/40

yield_bpm0l09X_mean vs slug



Right In: 0.900 $\pm$ 0.000 χ^2 /NDF: 324904340.4/17

Left Out: 0.896 $\pm$ 0.000 χ^2 /NDF: 76455996.6/21

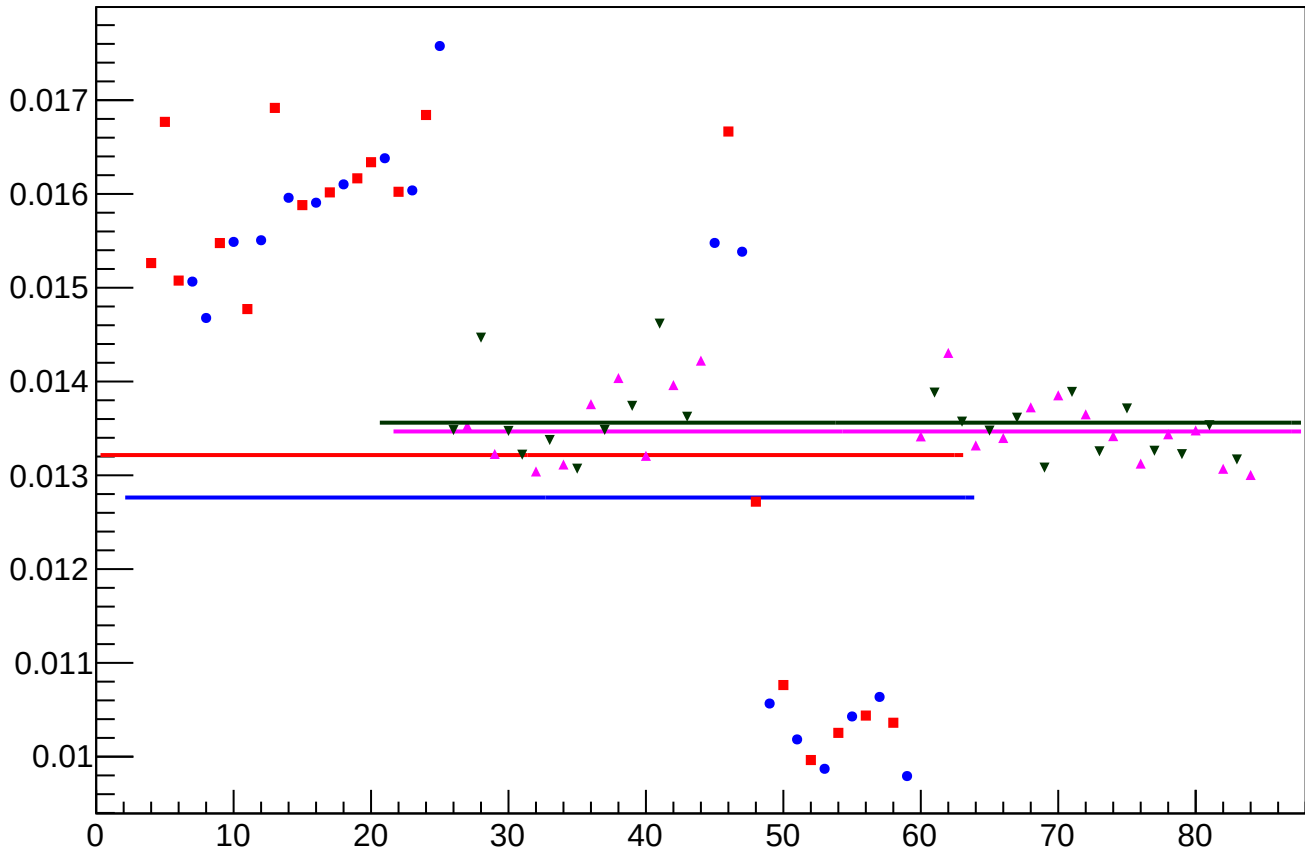
Right Out: 0.878 $\pm$ 0.000 χ^2 /NDF: 92356263.0/18

Left In: 0.907 $\pm$ 0.000 χ^2 /NDF: 93198189.4/21

0.898 $\pm$ 0.000 χ^2 /NDF: 401743353.9/39

0.894 $\pm$ 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 :19146.3/21

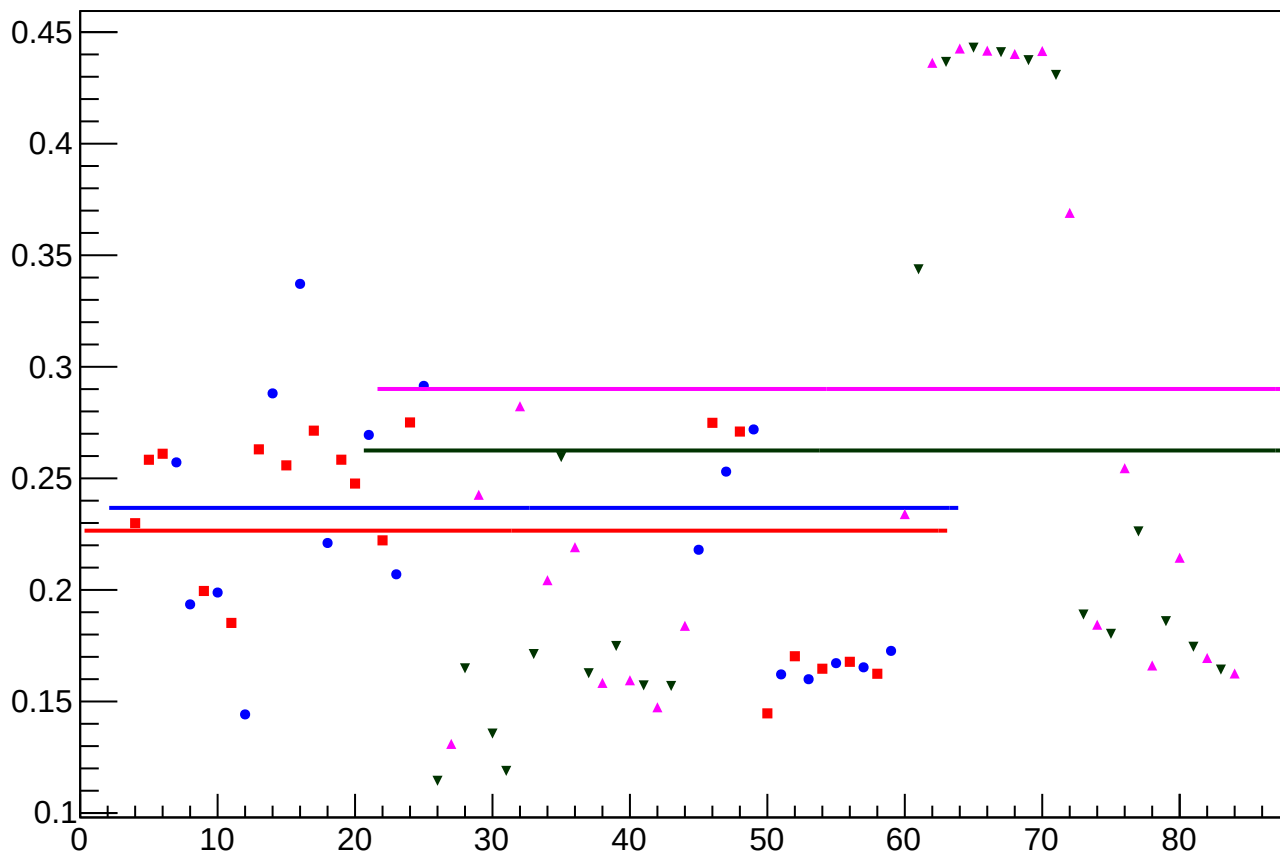
Right Out: 0.013+/-0.000 χ^2/NDF : 798846.8/18

Left In: 0.013+/-0.000 χ^2/NDF :17682.4/21

0.013+/-0.000 χ^2/NDF : 1039267.8/39

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: 0.262 ± 0.000 χ^2/NDF : 16239592635.4/21

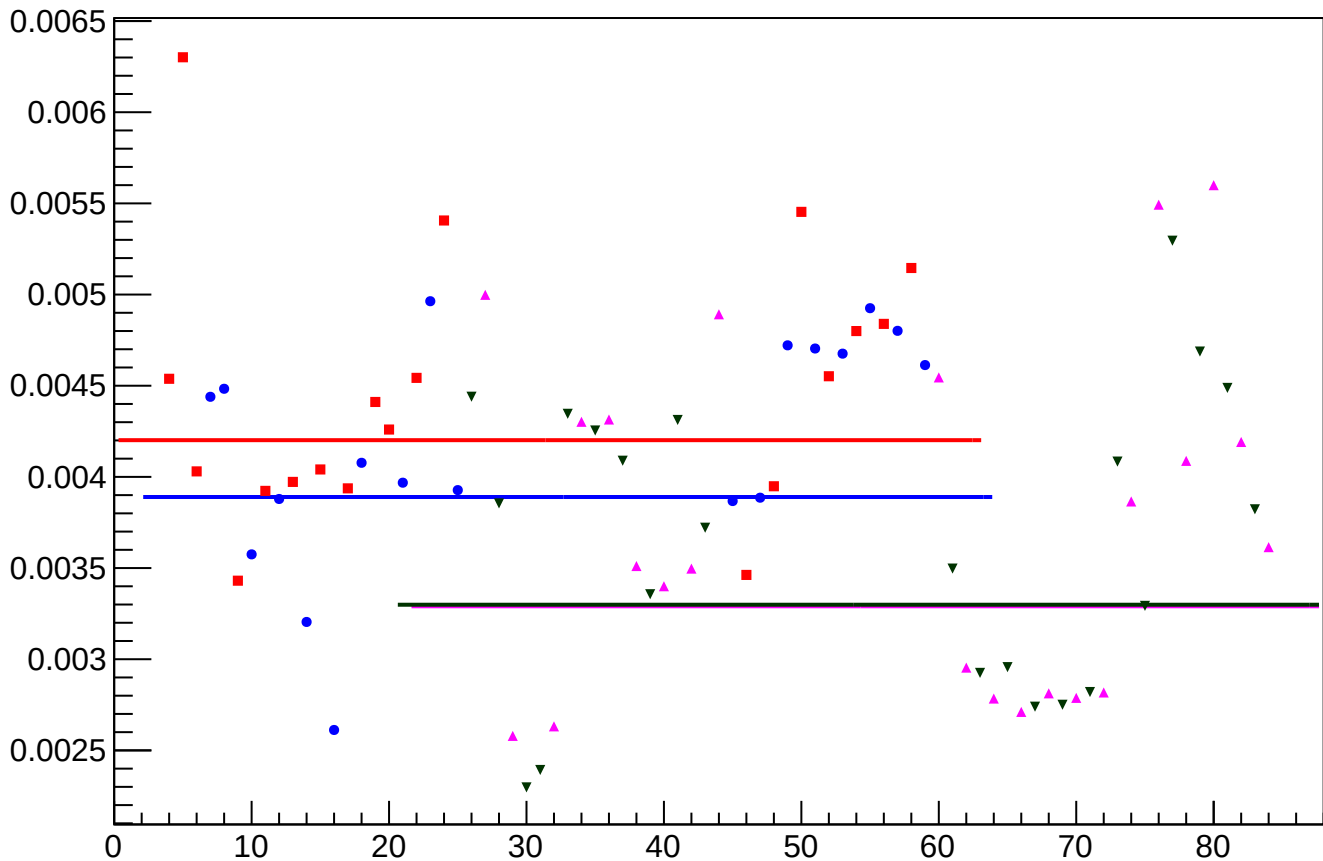
Right Out: 0.227 ± 0.000 χ^2/NDF : 943883207.4/18

Left In: 0.290 ± 0.000 χ^2/NDF : 13273183250.9/21

0.252 ± 0.000 χ^2/NDF : 18910042321.6/39

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:1068609.1/21

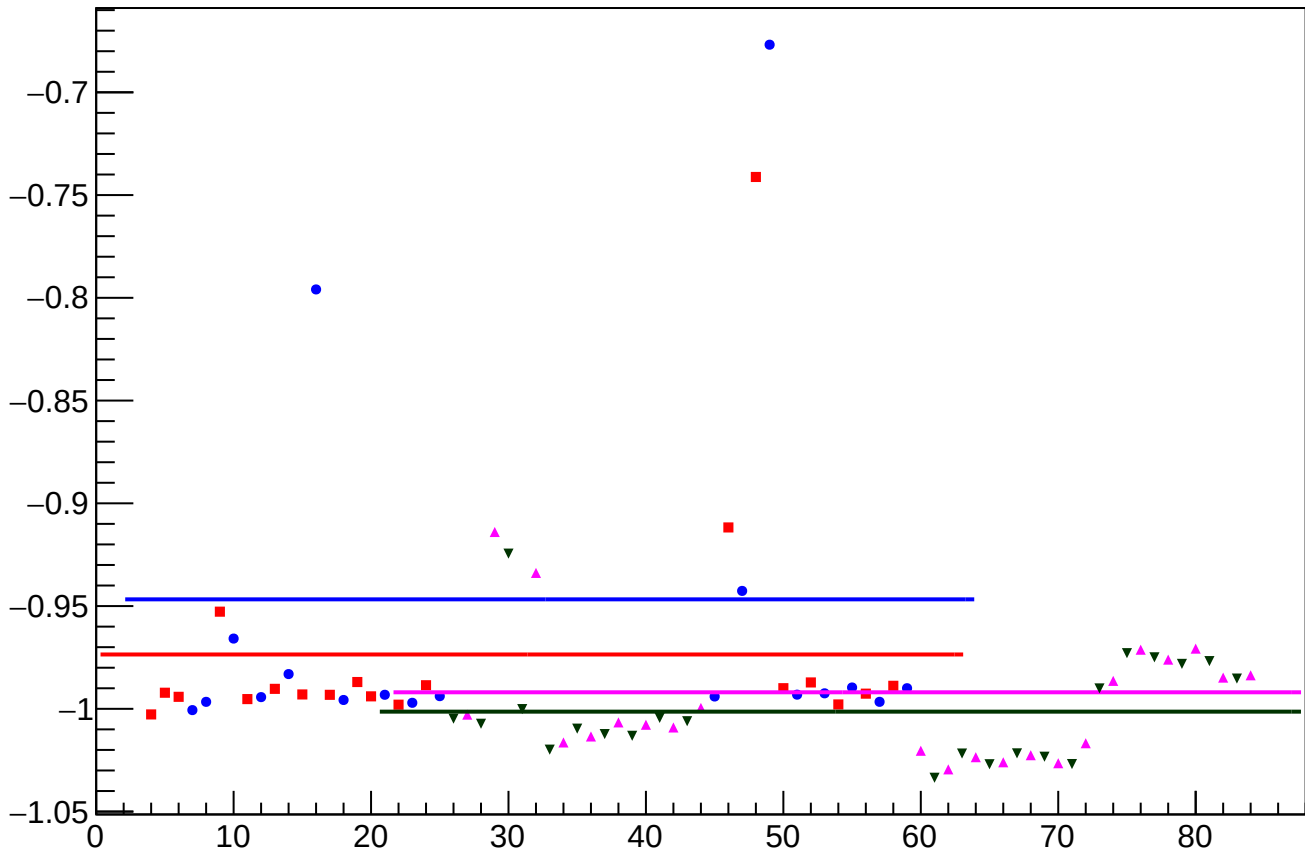
Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 341340.8/18

Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:1315315.0/21

0.004 $\pm$ 0.000 χ^2 /NDF: 2037287.2/39

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: -1.001+/-0.000 χ^2/NDF : 39107622.6/21

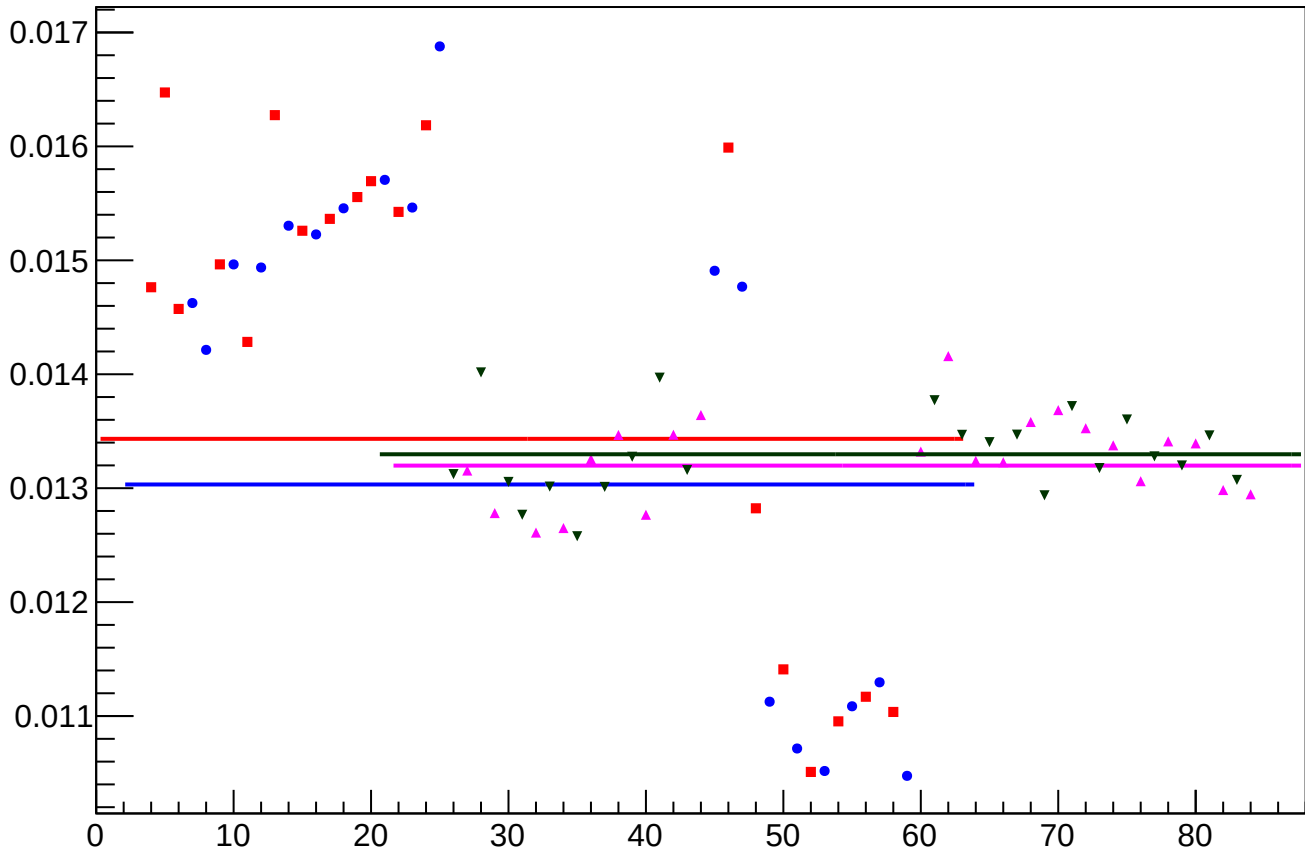
Right Out: -0.974+/-0.000 χ^2/NDF : 174691792.1/18

Left In: -0.992+/-0.000 χ^2/NDF : 79271806.9/21

-0.974+/-0.000 χ^2/NDF : 795673599.3/39

-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 : 16884.2/21

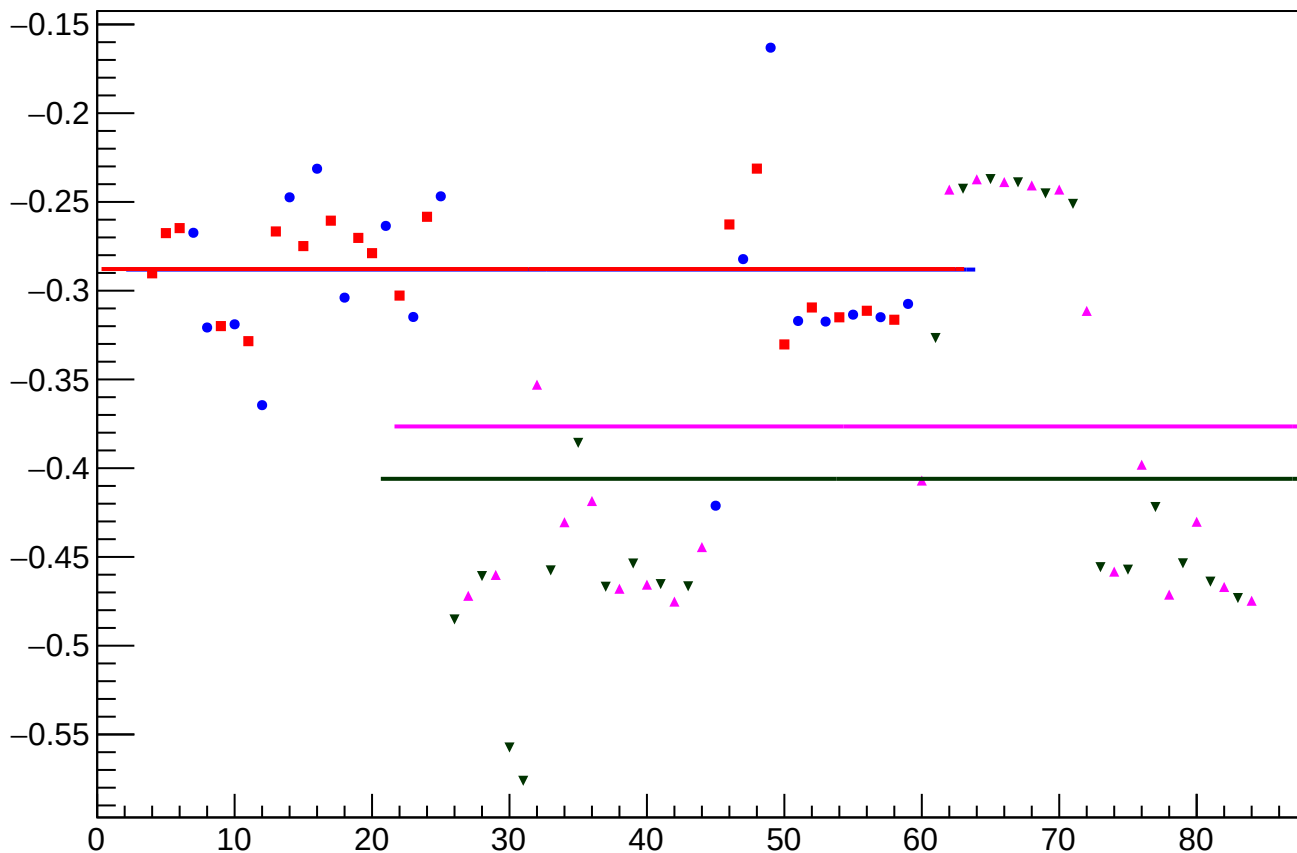
Right Out: 0.013+/-0.000 χ^2/NDF : 479245.1/18

Left In: 0.013+/-0.000 χ^2/NDF : 18949.3/21

0.013+/-0.000 χ^2/NDF : 609155.9/39

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: -0.406+/-0.000 χ^2/NDF : 14050334187.0/21

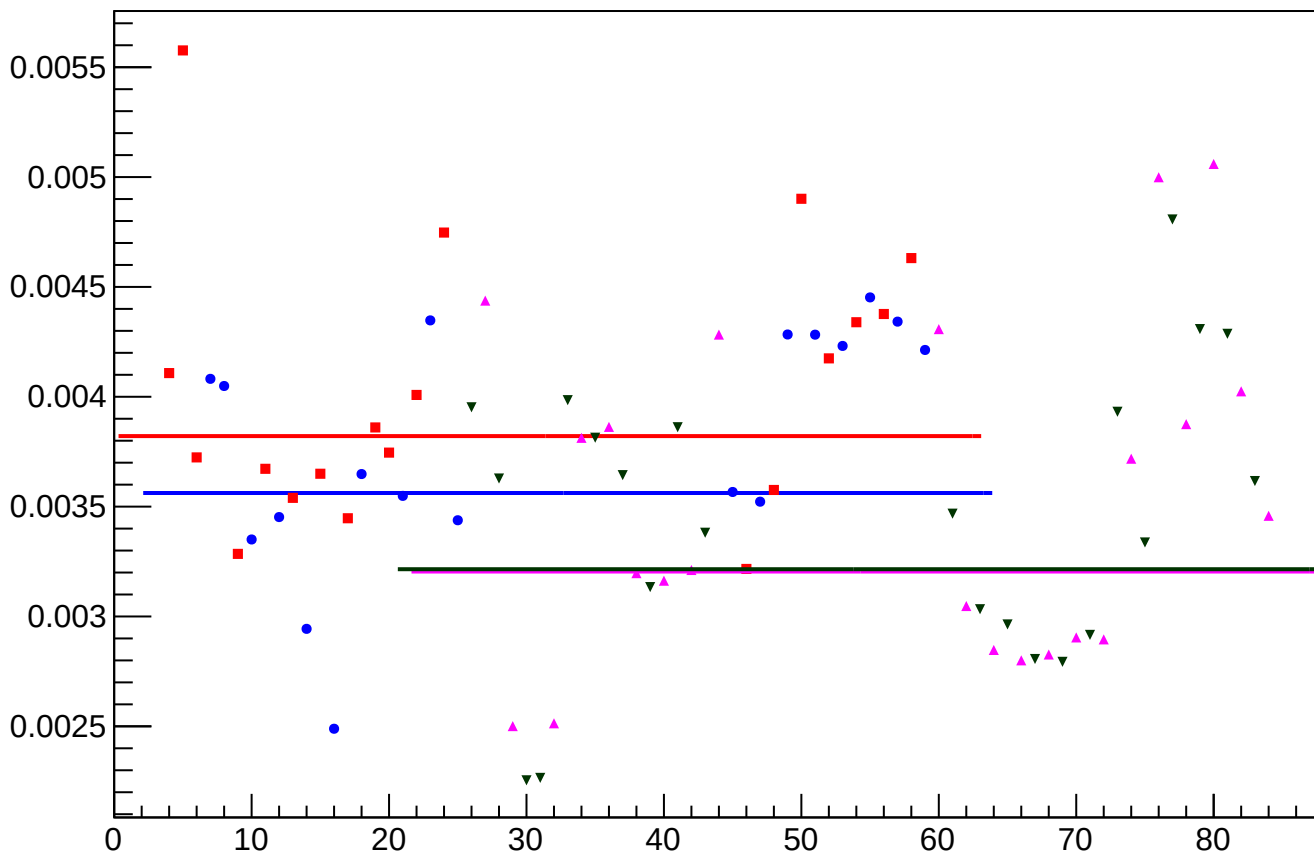
Right Out: -0.288+/-0.000 χ^2/NDF : 515794849.9/18

Left In: -0.376+/-0.000 χ^2/NDF : 9890337425.0/21

-0.353+/-0.000 χ^2/NDF : 22896308067.7/39

-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:806658.5/21

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: 1503558.6/39

0.003 $\pm$ 0.000 χ^2 /NDF: 1571585.5/40