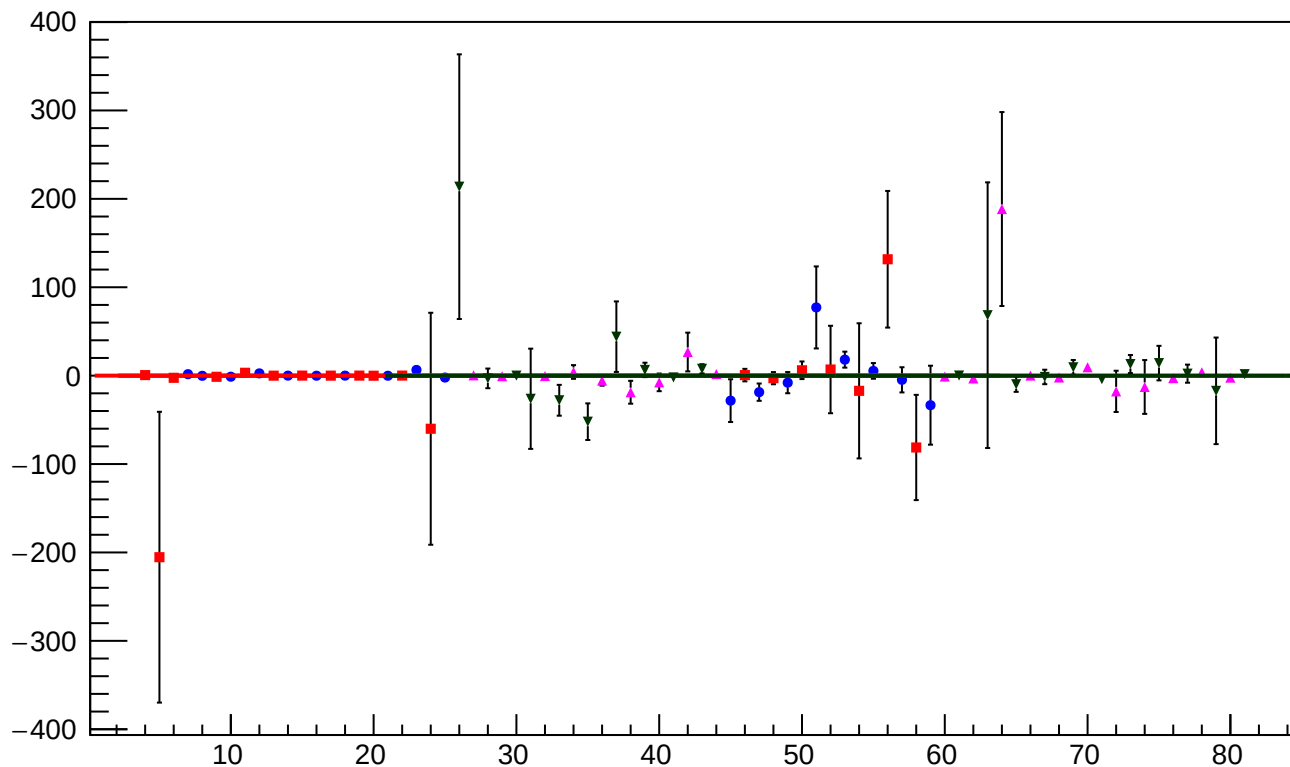


diff_cav4bX_mean vs slug



Right In: -0.014 ± 0.014

Left Out: -0.143 ± 1.003

Right Out: 0.017 ± 0.016

Left In: 0.069 ± 0.073

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

$\chi^2/\text{NDF}: 23.4/20$

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

$\chi^2/\text{NDF}: 30.1/19$

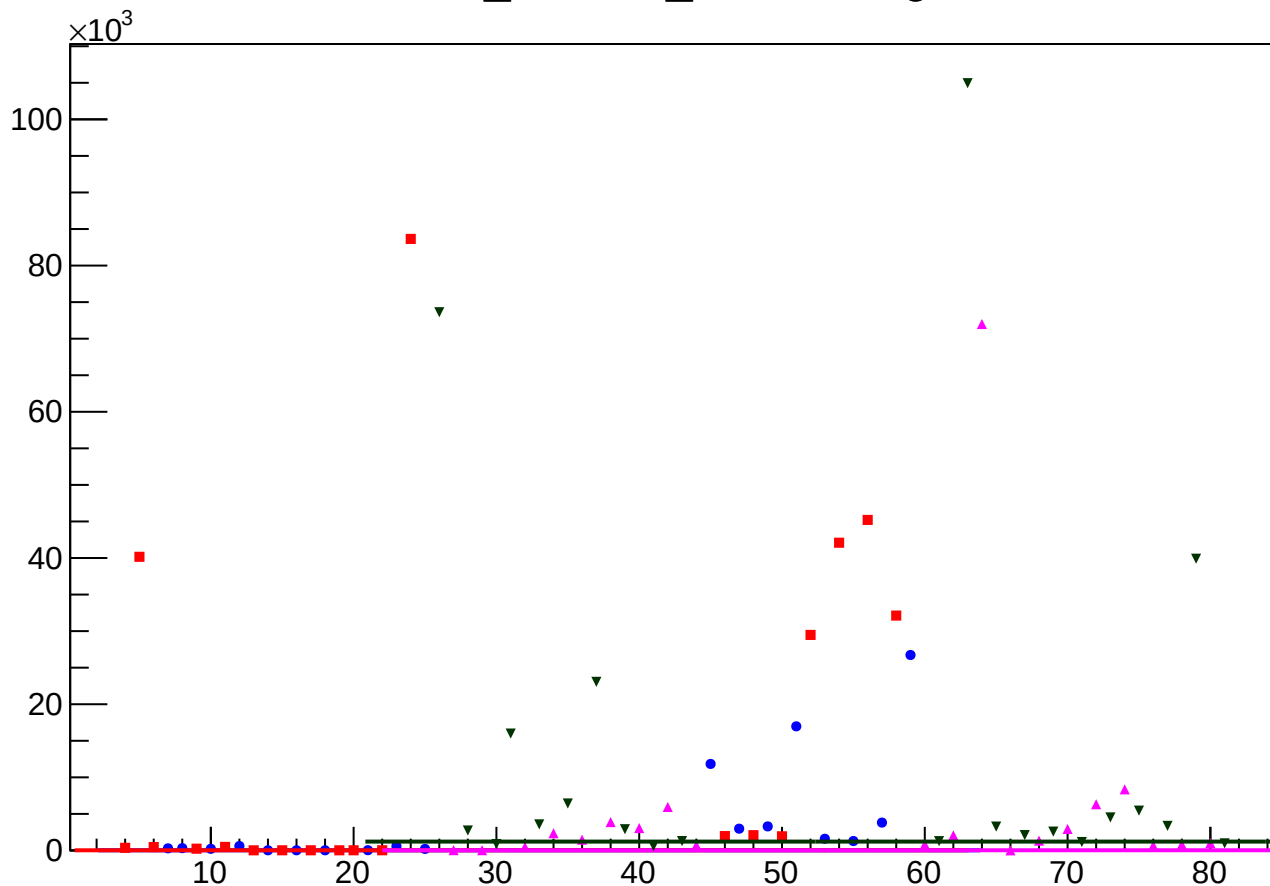
-0.014 ± 0.014

$\chi^2/\text{NDF}: 54.7/38$

0.019 ± 0.016

$\chi^2/\text{NDF}: 55.3/38$

diff_cav4bX_rms vs slug



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

Left Out: 1212.444+/-0.709 χ^2/NDF : 4076340.1/20

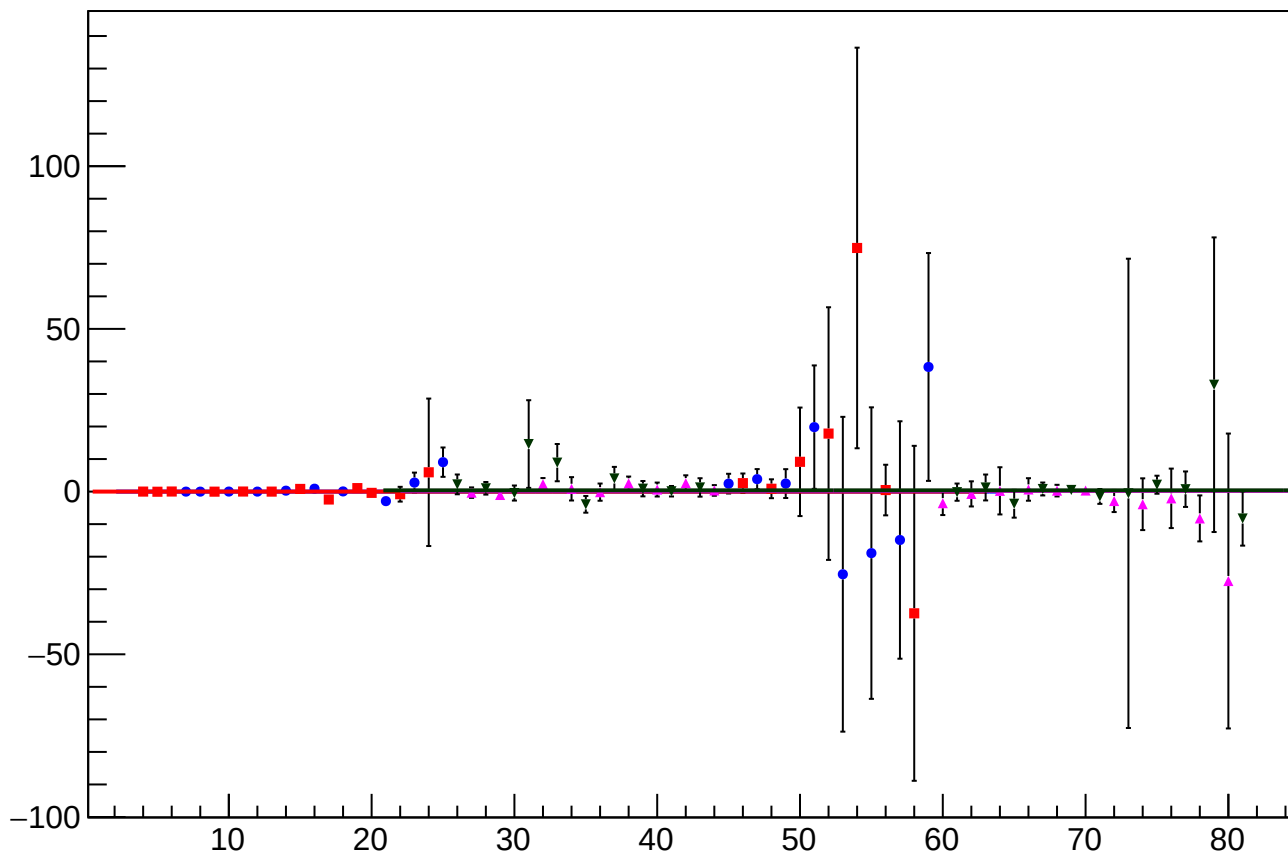
Right Out: 22.611+/-0.011 χ^2/NDF : 4395534.2/18

Left In: 26.714+/-0.051 χ^2/NDF : 5607284.4/19

22.672+/-0.010 χ^2/NDF : 9696750.4/38

22.803+/-0.011 χ^2/NDF : 10008875.3/38

diff_cav4bY_mean vs slug



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

Left Out: 0.375 ± 0.588 χ^2/NDF : 11.7/20

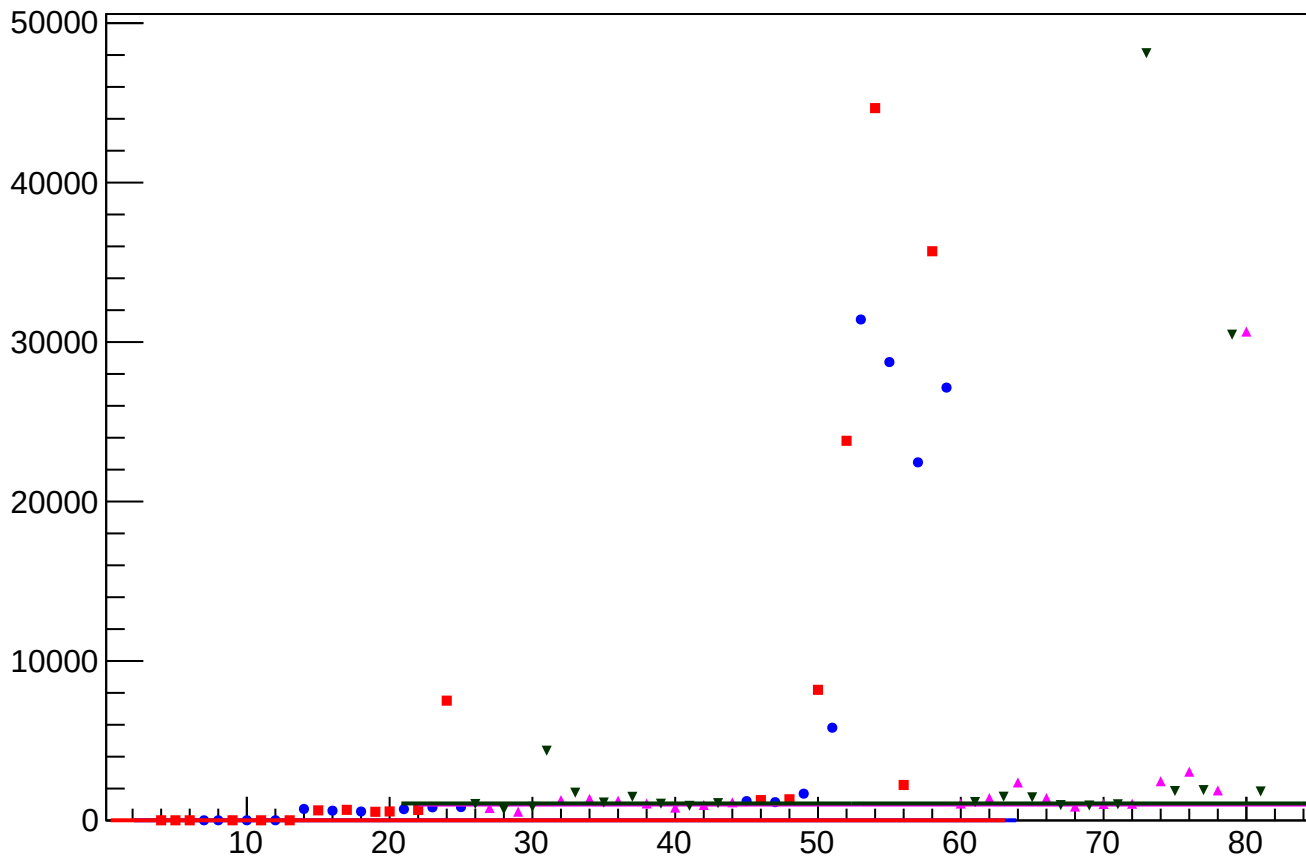
Right Out: 0.002 ± 0.005 χ^2/NDF : 20.3/18

Left In: 0.220 ± 0.526 χ^2/NDF : 8.7/19

-0.001 ± 0.006 χ^2/NDF : 35.7/38

0.002 ± 0.005 χ^2/NDF : 29.2/38

diff_cav4bY_rms vs slug



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

Left Out: 1066.226+/-0.416 χ^2/NDF : 2270271.3/20

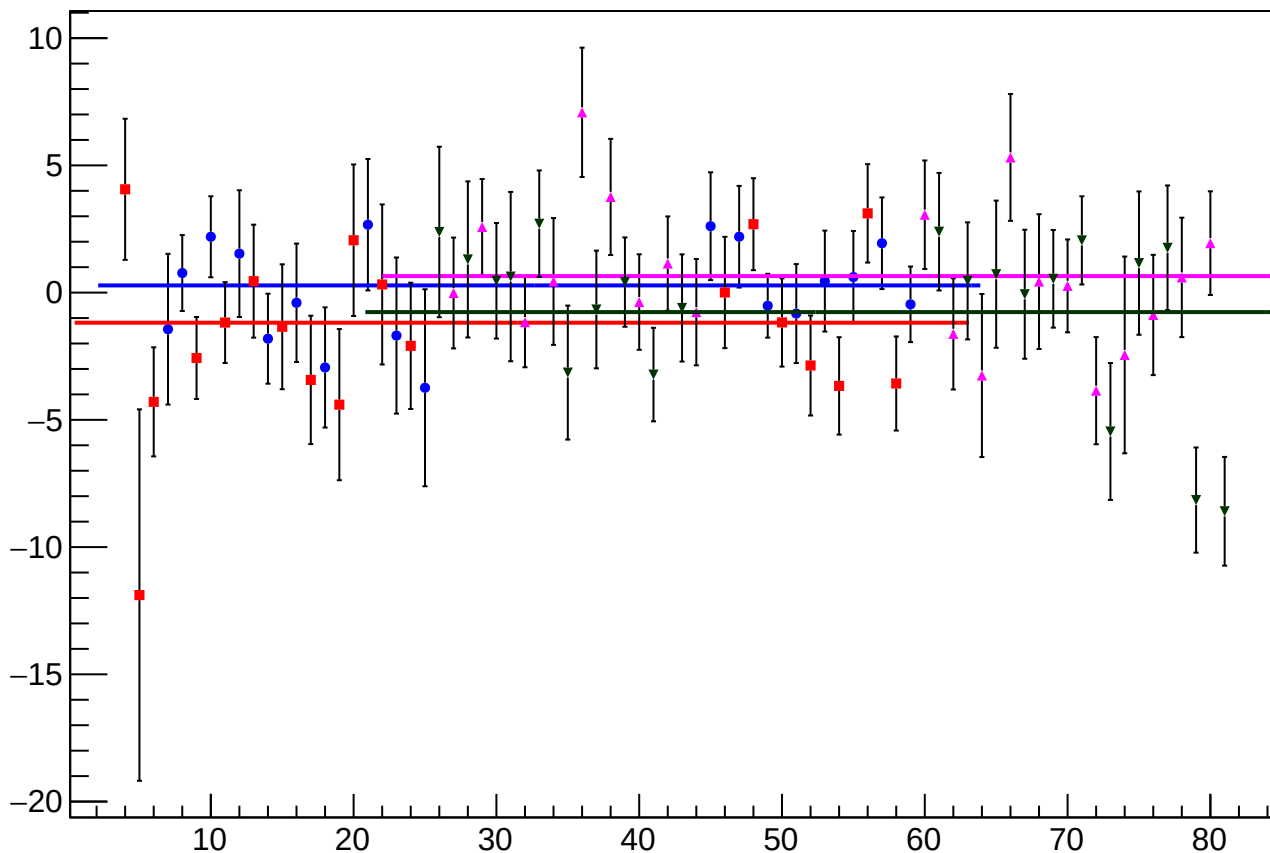
Right Out: 10.086+/-0.004 χ^2/NDF : 6750125.6/18

Left In: 994.513+/-0.372 χ^2/NDF : 1565239.6/19

10.636+/-0.005 χ^2/NDF : 17681763.3/38

10.192+/-0.004 χ^2/NDF : 15331315.4/38

diff_cav4cX_mean vs slug



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

Left Out: -0.765 ± 0.498 χ^2/NDF : 44.0/20

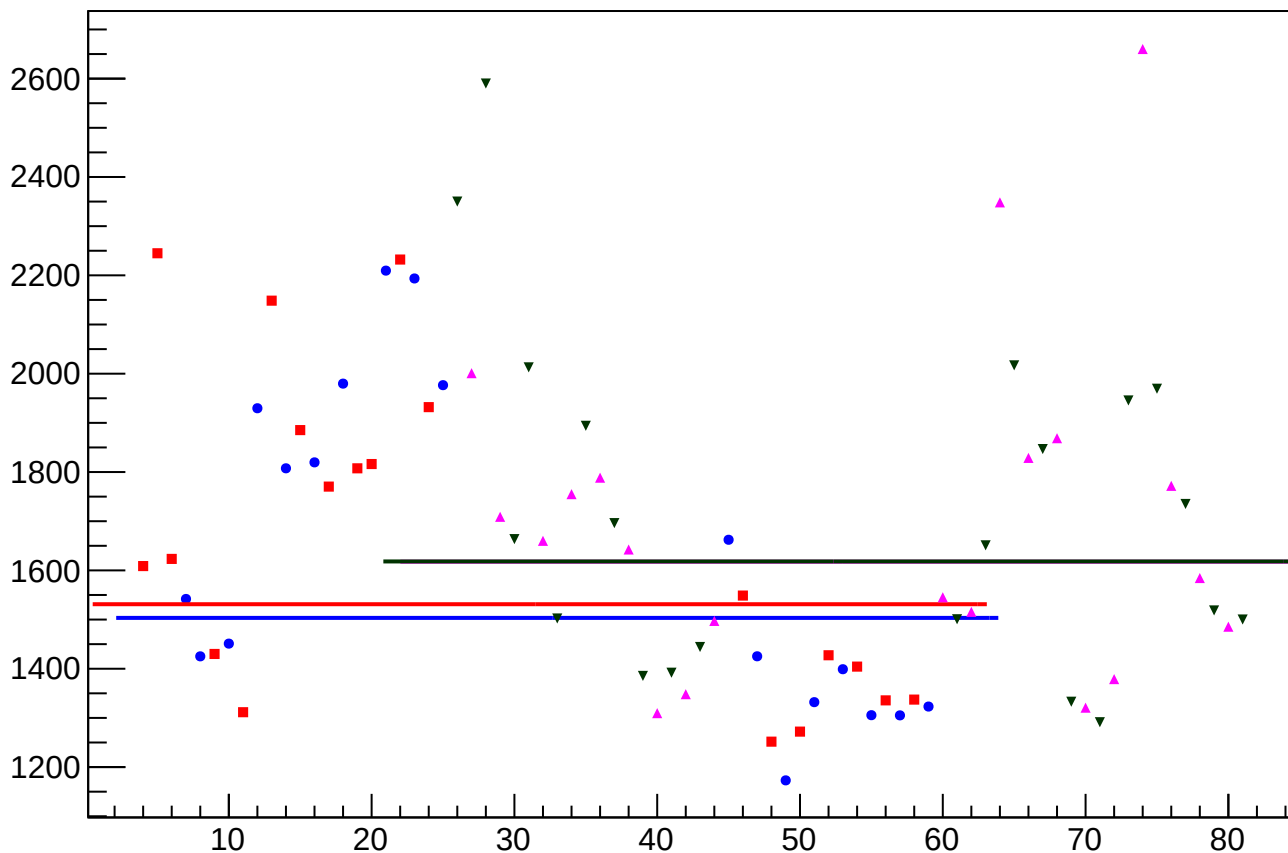
Right Out: -1.182 ± 0.494 χ^2/NDF : 26.5/18

Left In: 0.650 ± 0.491 χ^2/NDF : 24.7/19

-0.194 ± 0.336 χ^2/NDF : 58.3/38

-0.261 ± 0.348 χ^2/NDF : 58.2/38

diff_cav4cX_rms vs slug



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

Left Out: 1618.185+/-0.352 χ^2/NDF : 685987.3/20

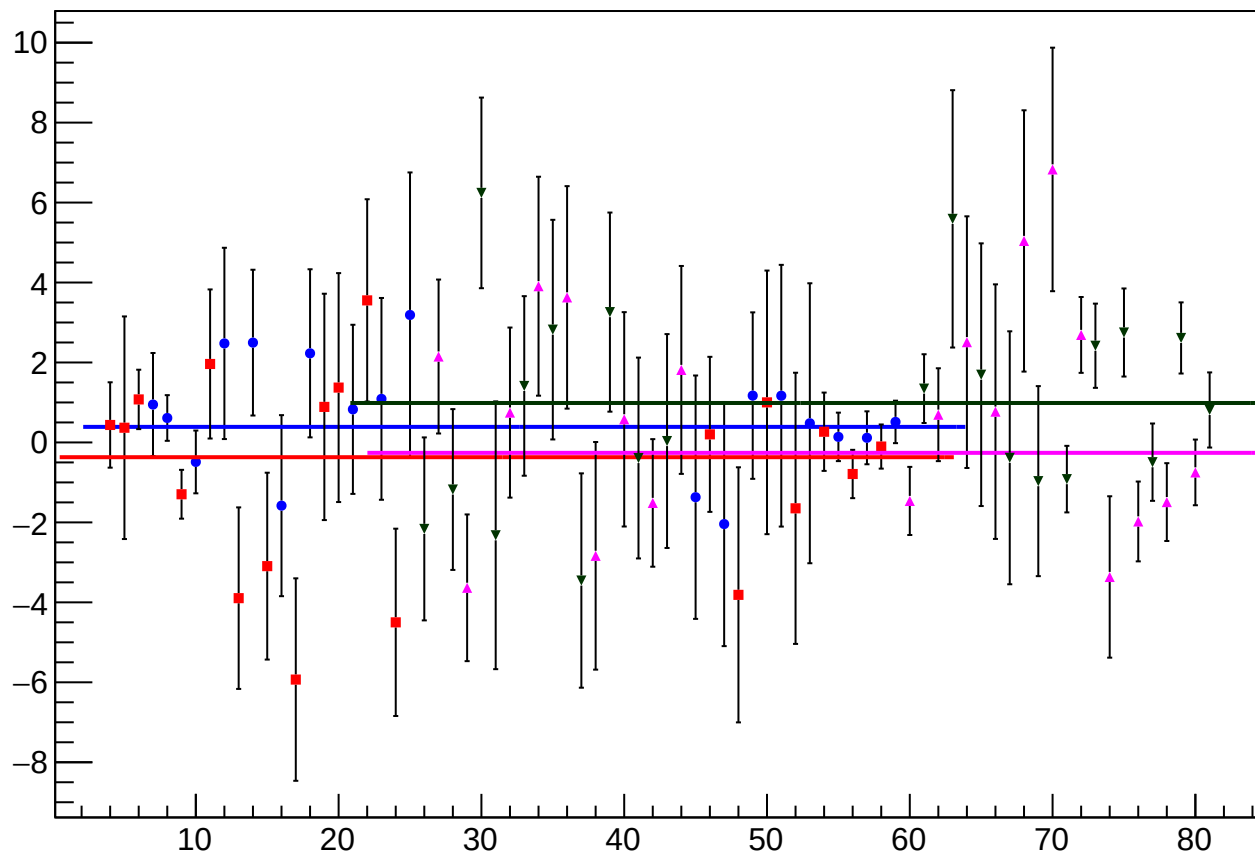
Right Out: 1531.211+/-0.349 χ^2/NDF : 621310.9/18

Left In: 1617.723+/-0.347 χ^2/NDF : 570432.8/19

1555.630+/-0.238 χ^2/NDF : 1520571.1/38

1574.701+/-0.246 χ^2/NDF : 1222622.8/38

diff_cav4cY_mean vs slug



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

Left Out: 0.987 ± 0.315 χ^2/NDF : 31.9/20

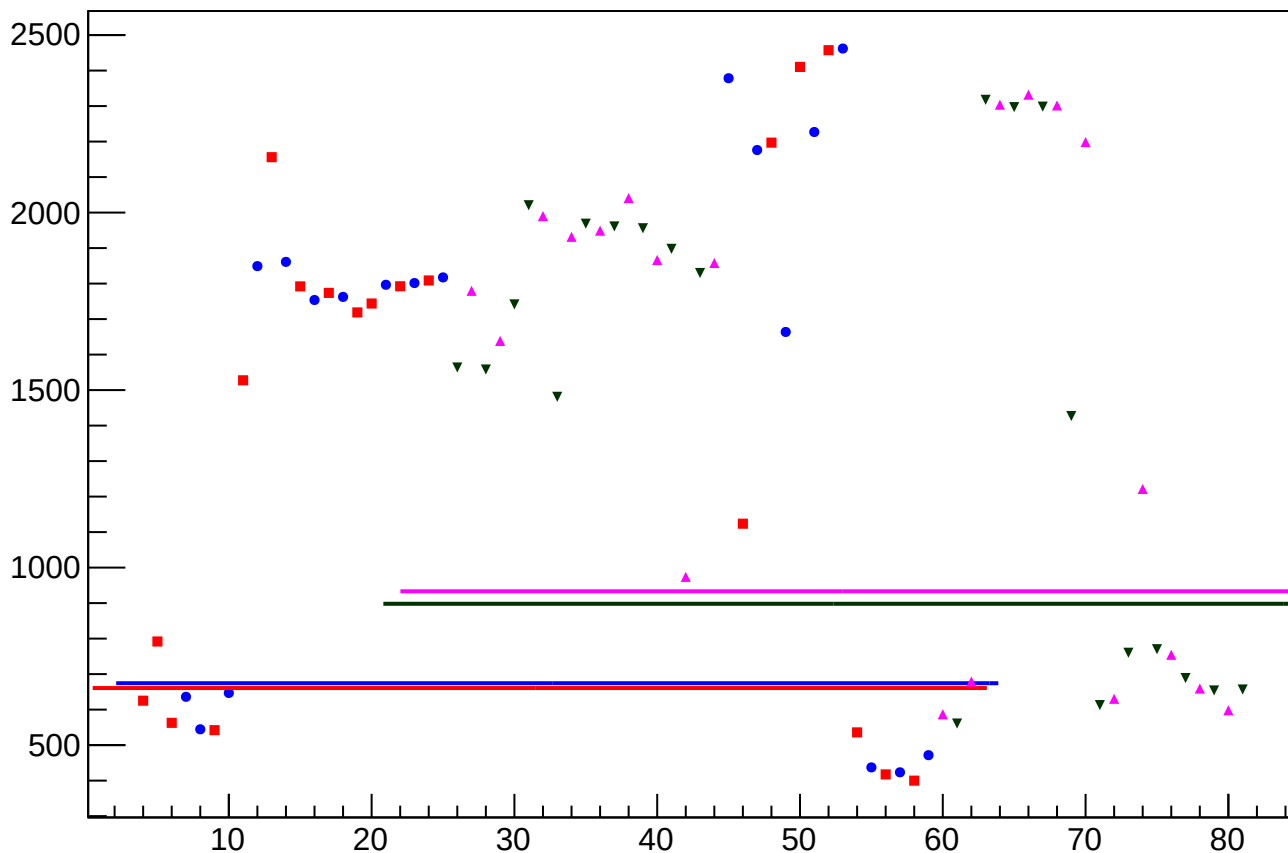
Right Out: -0.369 ± 0.263 χ^2/NDF : 25.7/18

Left In: -0.260 ± 0.328 χ^2/NDF : 40.2/19

0.622 ± 0.197 χ^2/NDF : 41.6/38

-0.327 ± 0.205 χ^2/NDF : 65.9/38

diff_cav4cY_rms vs slug



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

Left Out: 898.108 ± 0.223 χ^2/NDF : 4755615.8/20

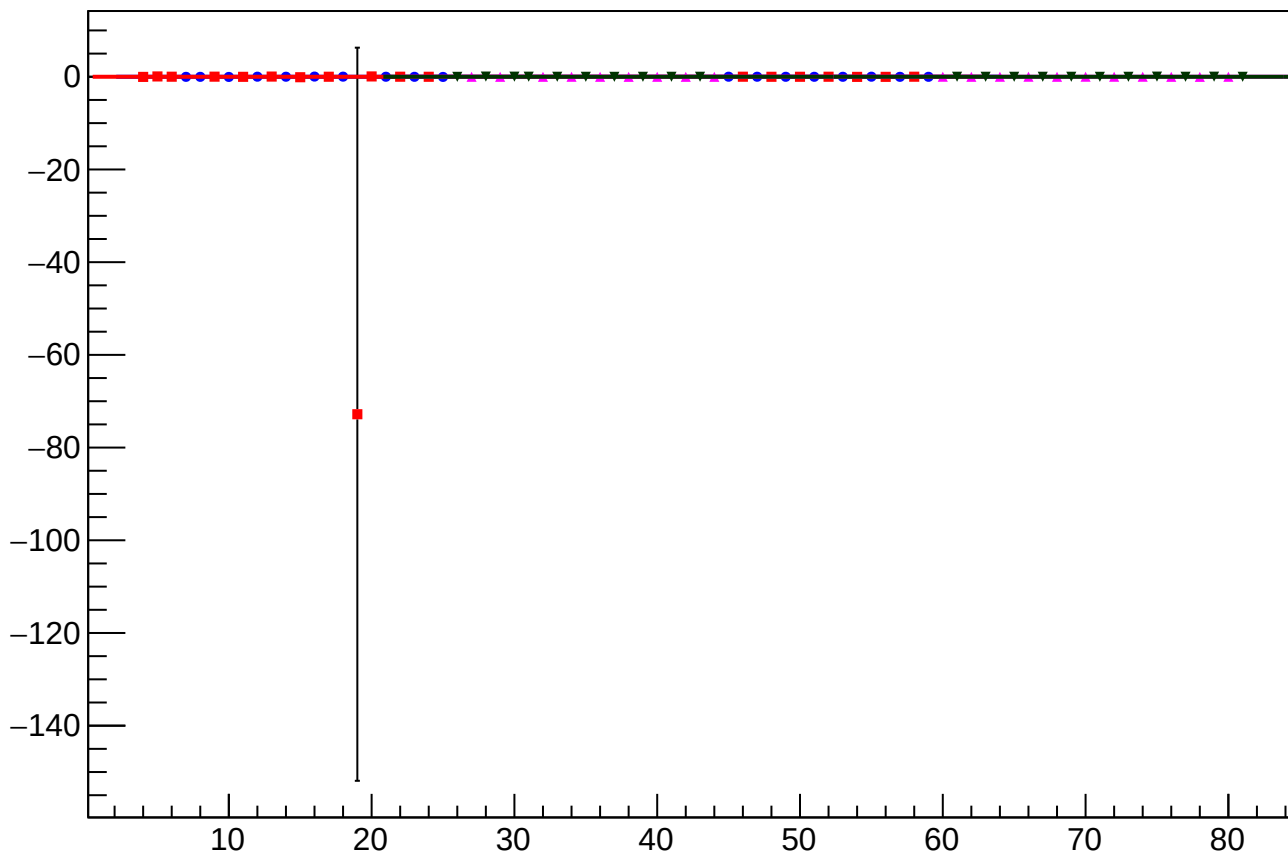
Right Out: 660.761 ± 0.186 χ^2/NDF : 6222915.7/18

Left In: 933.248 ± 0.232 χ^2/NDF : 5194609.3/19

761.476 ± 0.139 χ^2/NDF : 12385572.8/38

767.006 ± 0.145 χ^2/NDF : 12257438.0/38

diff_cav4dX_mean vs slug



Right In: -0.000 $\pm$ 0.004 χ^2 /NDF: 11.9/17

Left Out: 0.002 $\pm$ 0.003 χ^2 /NDF:16.9/20

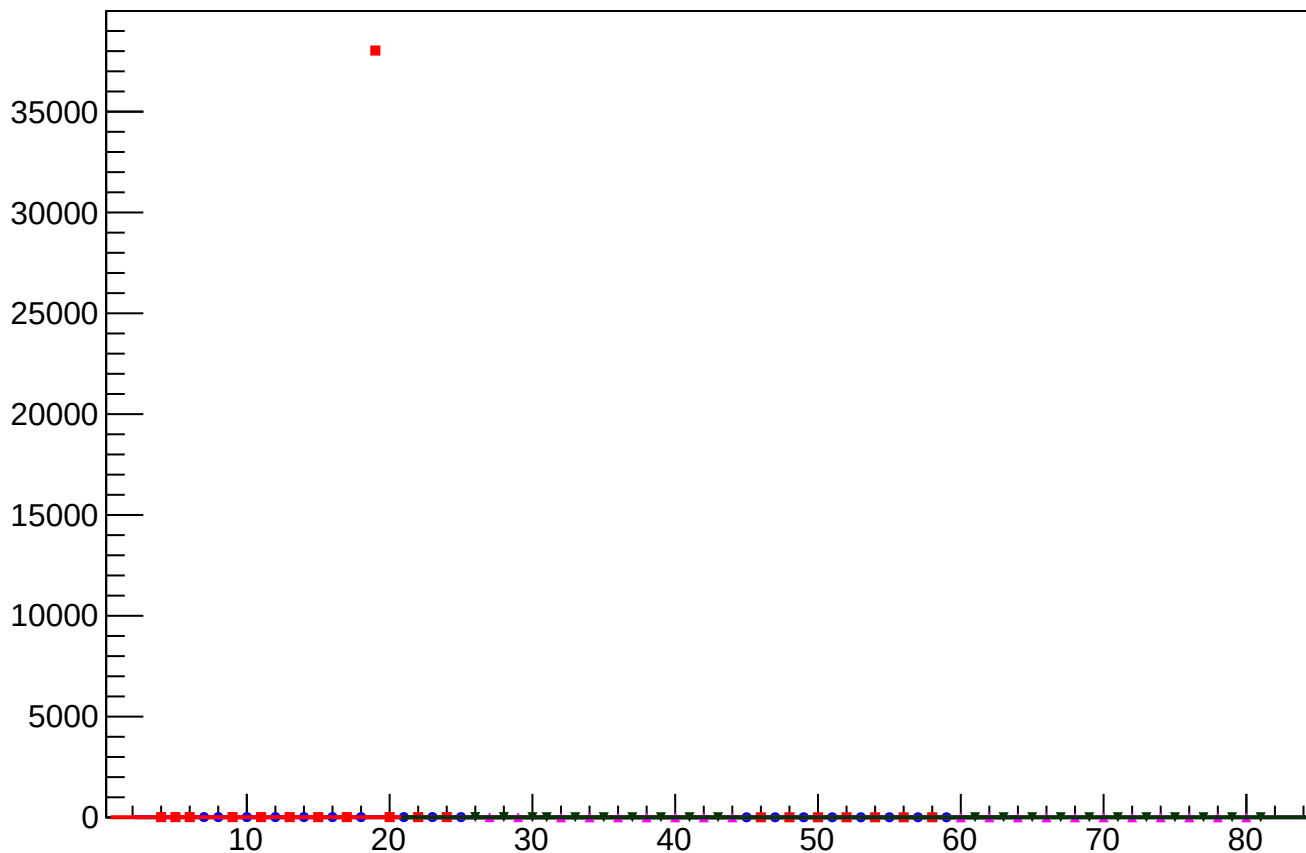
Right Out: 0.002 $\pm$ 0.004 χ^2 /NDF: 20.0/18

Left In: 0.002 $\pm$ 0.003 χ^2 /NDF:10.3/19

0.001 $\pm$ 0.002 χ^2 /NDF: 29.0/38

0.002 $\pm$ 0.002 χ^2 /NDF: 30.3/38

diff_cav4dX_rms vs slug



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

Left Out: 8.958 $\pm$ 0.002 χ^2 /NDF: 623184.8/20

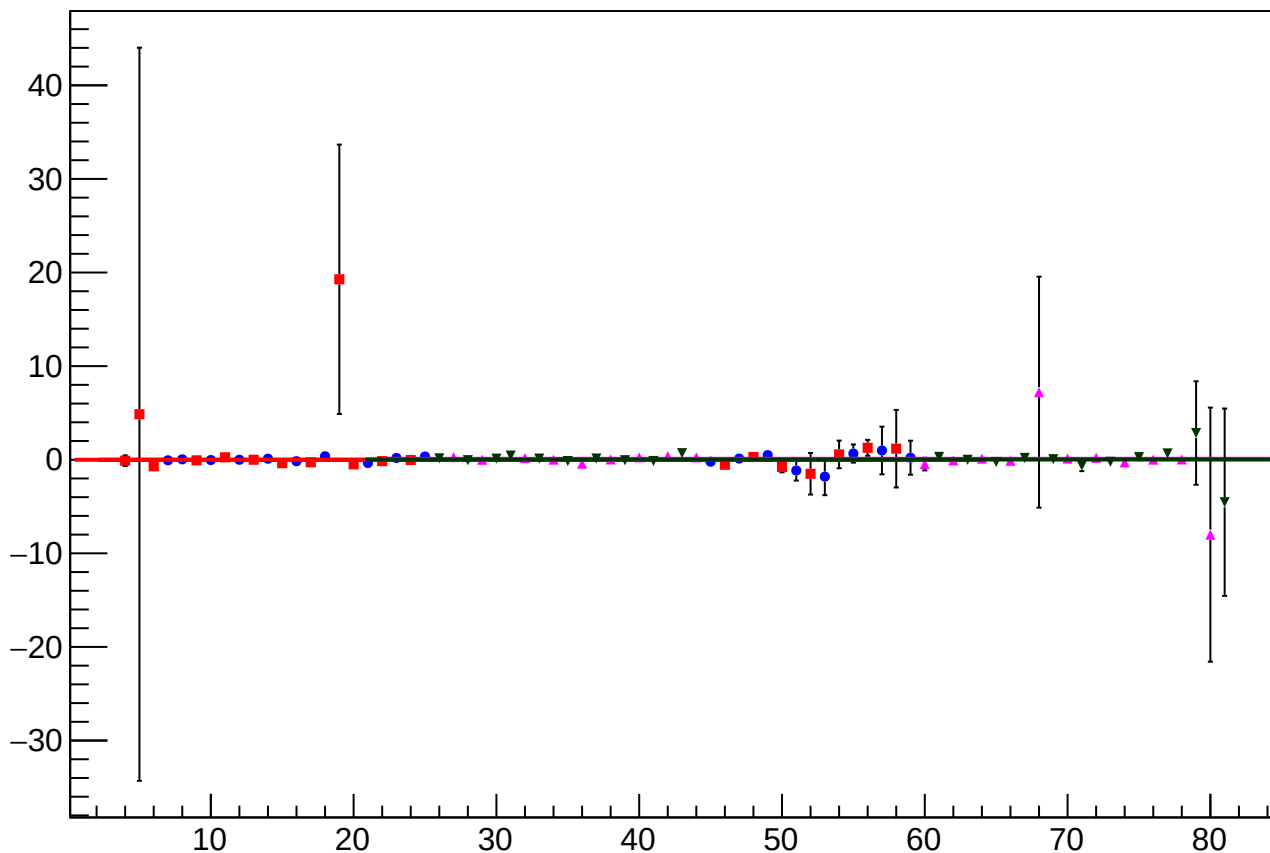
Right Out: 11.097 $\pm$ 0.003 χ^2 /NDF: 2257827.7/18

Left In: 8.974 $\pm$ 0.002 χ^2 /NDF: 788961.9/19

9.579 $\pm$ 0.002 χ^2 /NDF: 2828922.8/38

9.640 $\pm$ 0.002 χ^2 /NDF: 3411229.4/38

diff_cav4dY_mean vs slug



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

Left Out: 0.022 ± 0.044 χ^2/NDF : 26.4/20

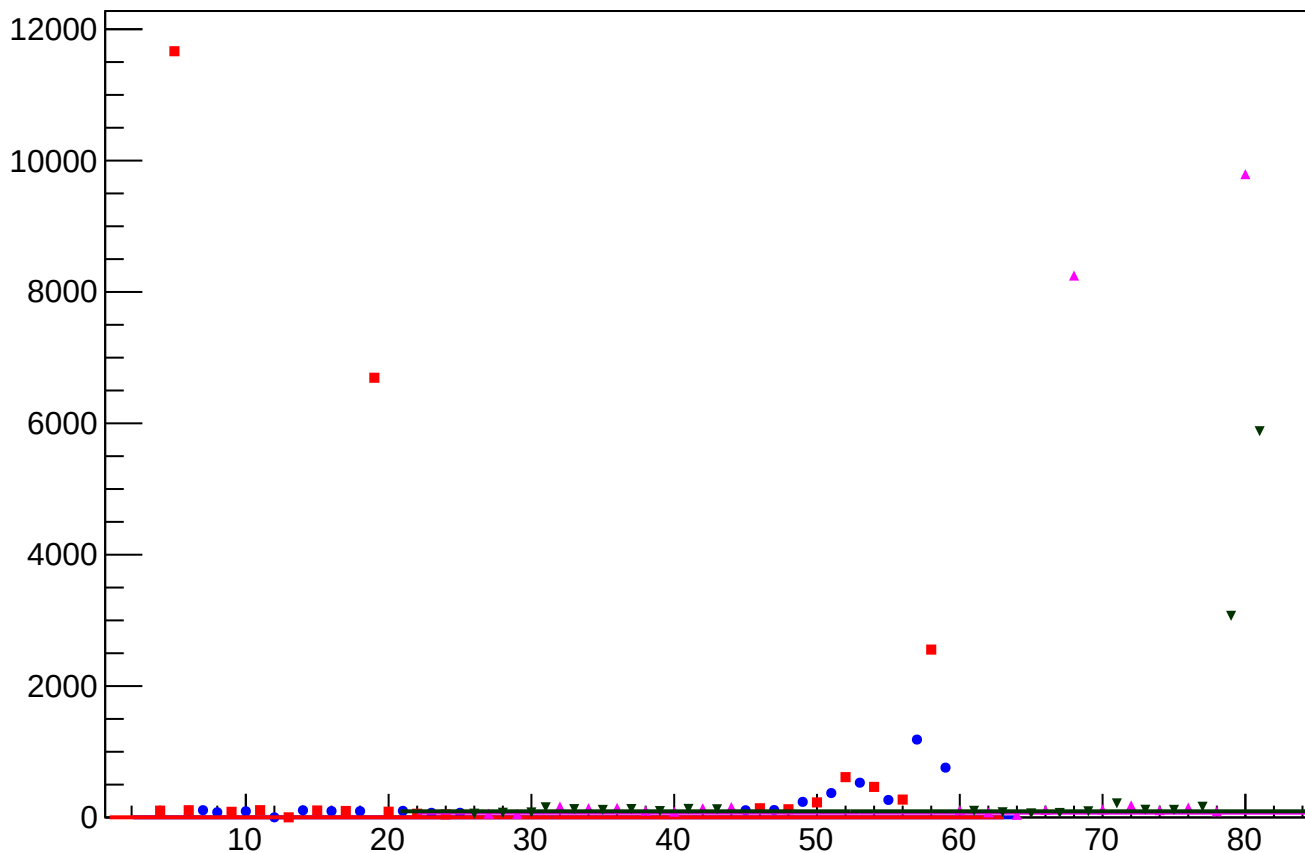
Right Out: -0.003 ± 0.003 χ^2/NDF : 21.1/18

Left In: 0.099 ± 0.037 χ^2/NDF : 15.6/19

-0.003 ± 0.003 χ^2/NDF : 47.6/38

-0.002 ± 0.003 χ^2/NDF : 44.1/38

diff_cav4dY_rms vs slug



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

Left Out: 93.500+/-0.031 χ^2/NDF : 2057387.7/20

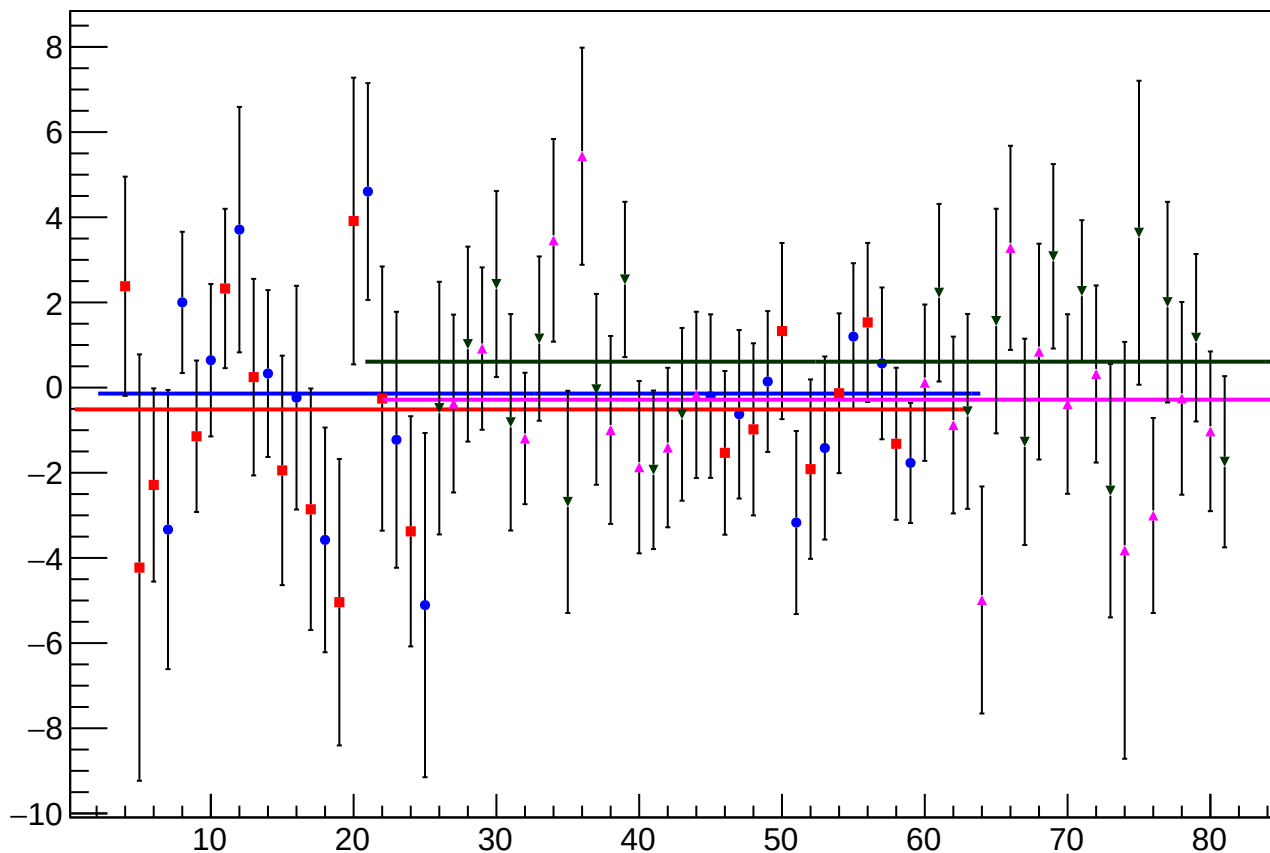
Right Out: 2.101+/-0.002 χ^2/NDF : 6716516.3/18

Left In: 72.395+/-0.026 χ^2/NDF : 4081837.8/19

2.663+/-0.002 χ^2/NDF : 19862193.9/38

2.566+/-0.002 χ^2/NDF : 17958425.5/38

diff_bpm4aX_mean vs slug



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

Left Out: 0.237 ± 0.342 $\chi^2/\text{NDF}: 30.9/38$

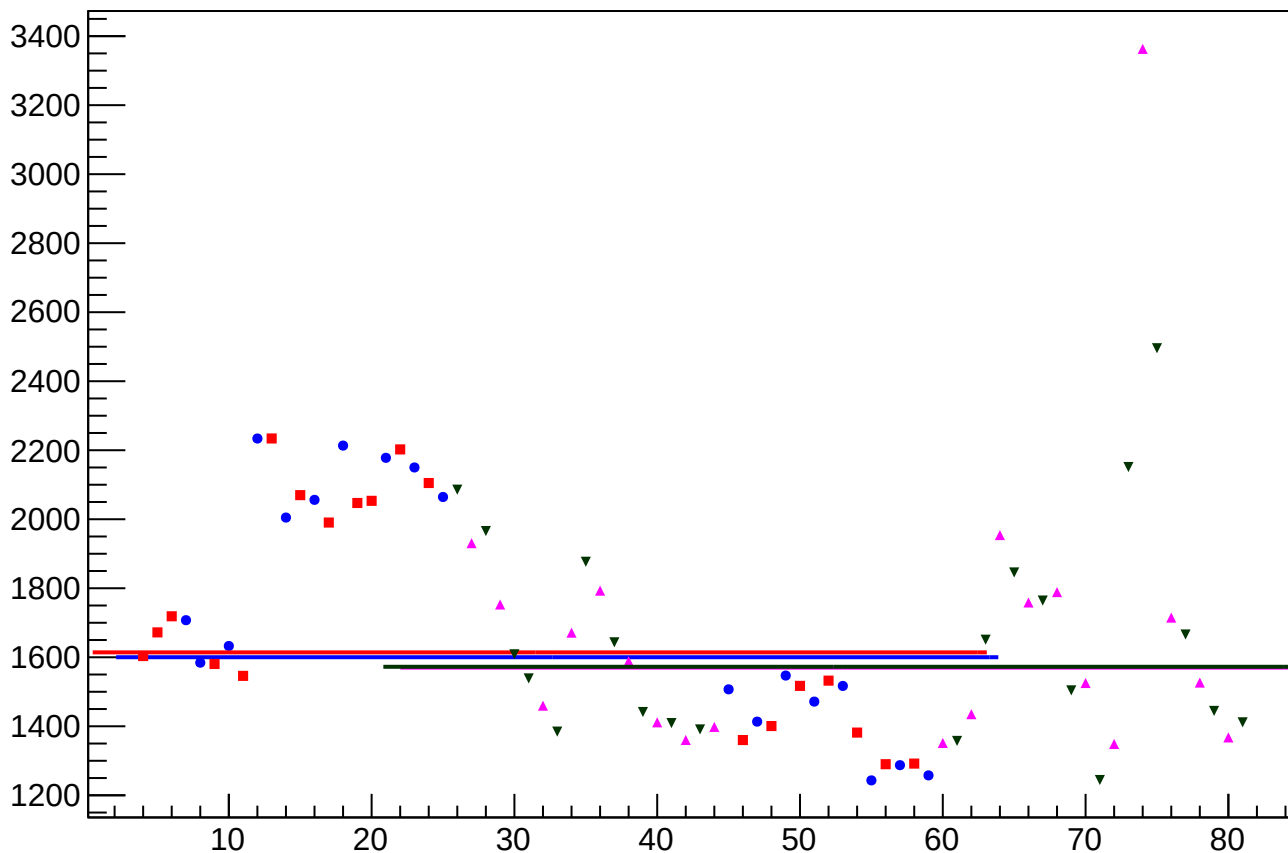
Right Out: -0.513 ± 0.519 $\chi^2/\text{NDF}: 13.6/18$

Left In: -0.283 ± 0.476 $\chi^2/\text{NDF}: 17.2/19$

0.237 ± 0.342 $\chi^2/\text{NDF}: 30.9/38$

-0.388 ± 0.351 $\chi^2/\text{NDF}: 30.9/38$

diff_bpm4aX_rms vs slug



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

Left Out: 1572.408 $\pm$ 0.341 χ^2 /NDF: 581029.5/20

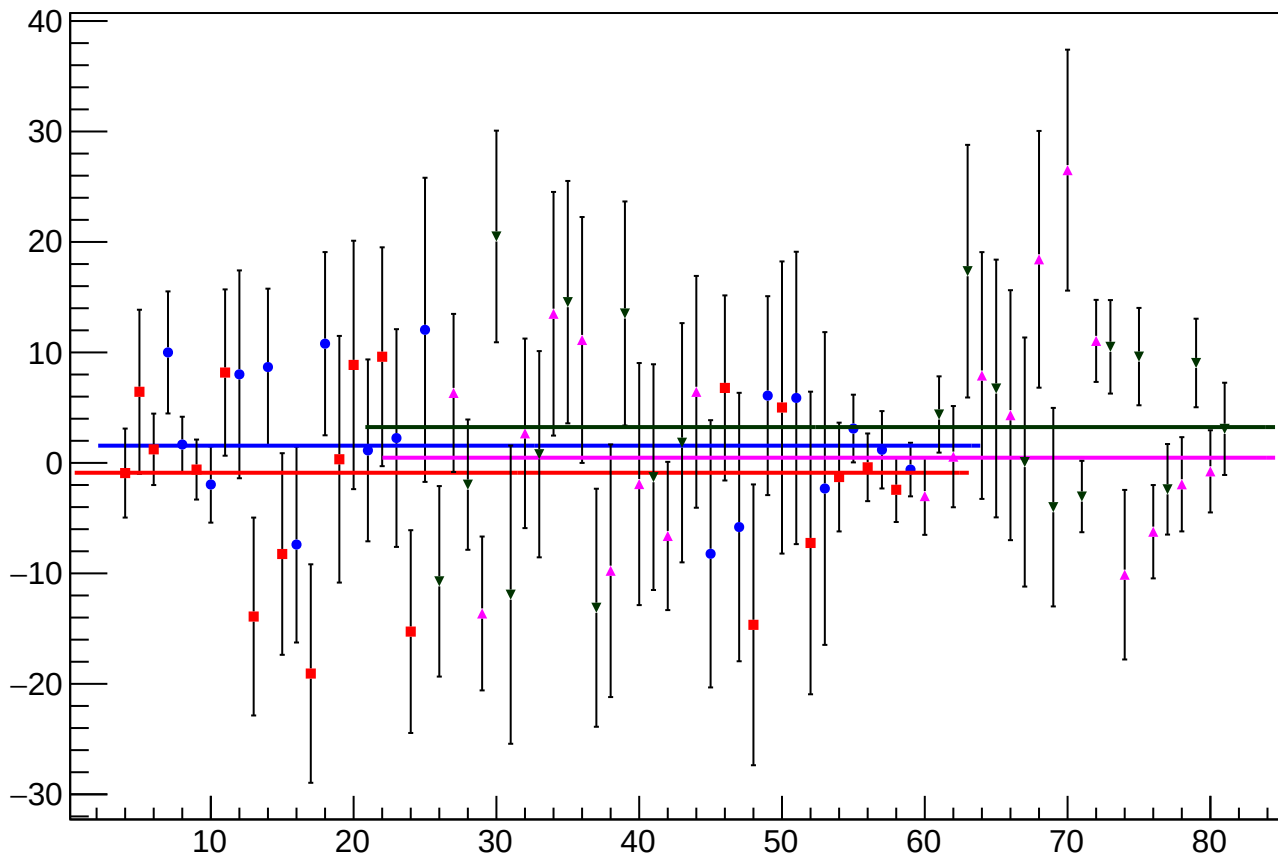
1586.163 $\pm$ 0.242 χ^2 /NDF: 1434063.5/38

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

1590.112 $\pm$ 0.248 χ^2 /NDF: 1267959.4/38

Left In: 1569.888 $\pm$ 0.336 χ^2 /NDF: 589668.8/19

diff_bpm4aY_mean vs slug



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

Left Out: 3.242 ± 1.274 χ^2/NDF : 27.9/20

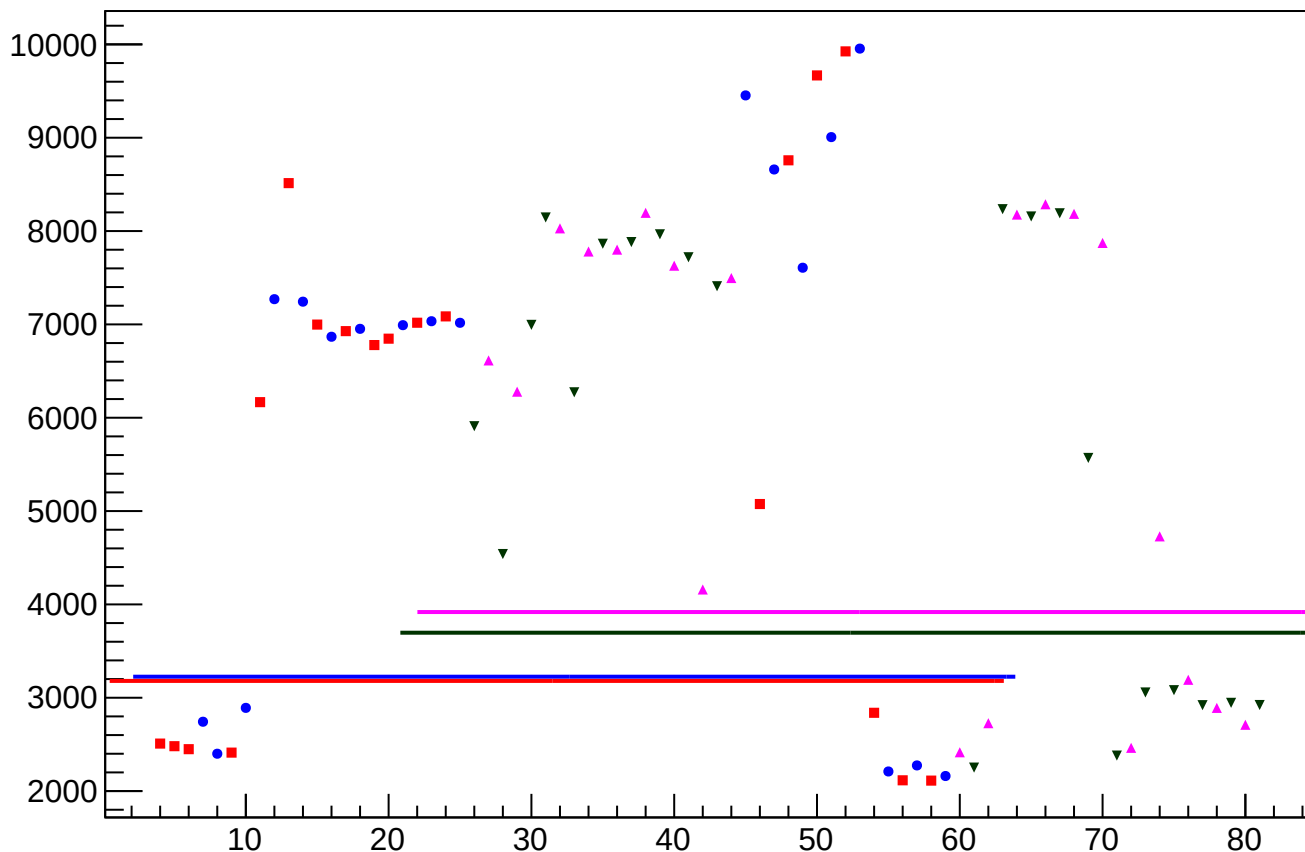
Right Out: -0.892 ± 1.197 χ^2/NDF : 16.1/18

Left In: 0.470 ± 1.348 χ^2/NDF : 32.0/19

2.314 ± 0.853 χ^2/NDF : 39.0/38

-0.292 ± 0.895 χ^2/NDF : 48.7/38

diff_bpm4aY_rms vs slug



Right In: 3225.359 $\pm$ 0.812 χ^2 /NDF: 5860780.1/17

Left Out: 3696.724 $\pm$ 0.901 χ^2 /NDF:4259639.6/20

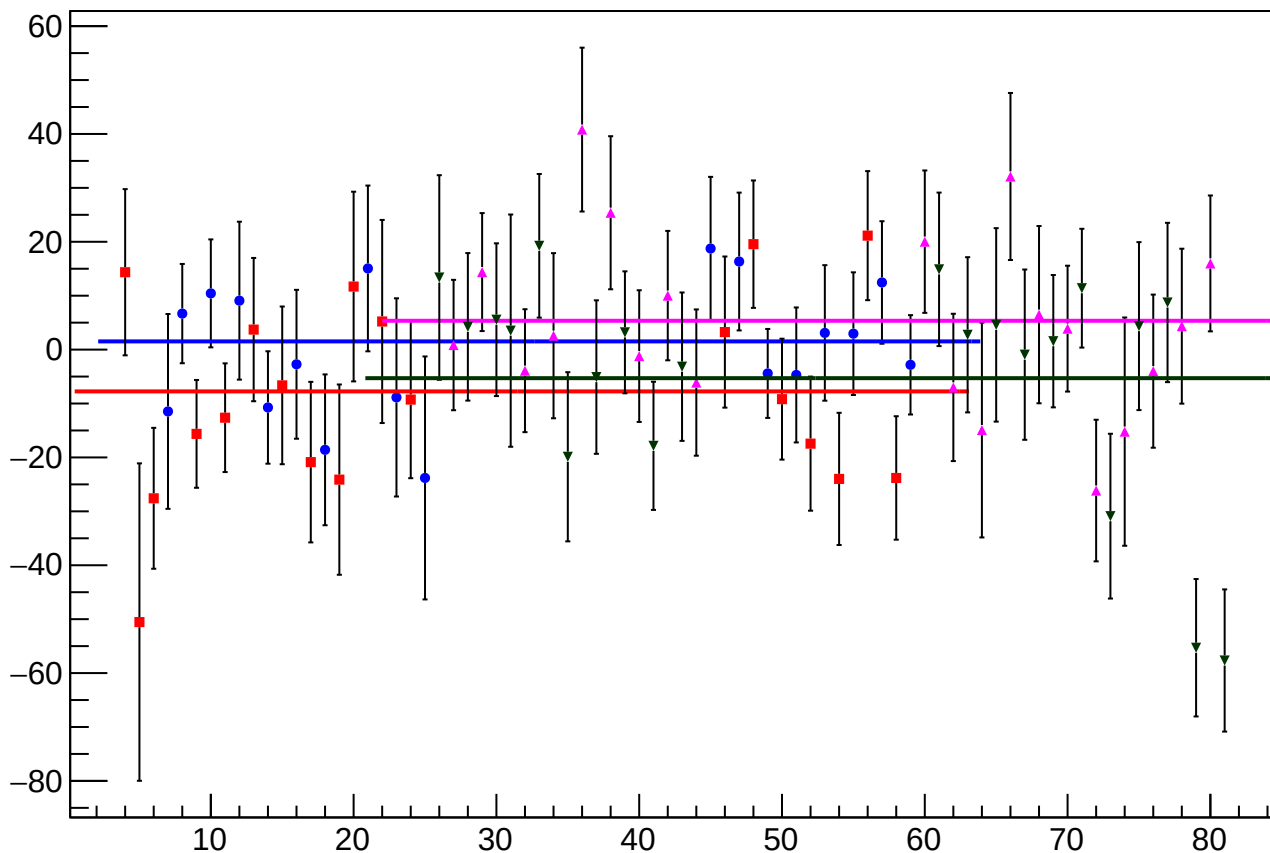
Right Out: 3180.260 $\pm$ 0.846 χ^2 /NDF: 5053490.5/18

Left In: 3918.182 $\pm$ 0.953 χ^2 /NDF:4544910.7/19

3436.696 $\pm$ 0.603 χ^2 /NDF: 10271509.3/38

3505.592 $\pm$ 0.633 χ^2 /NDF: 9933678.6/38

diff_bpm4eX_mean vs slug



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

Left Out: -5.298 ± 3.061 $\chi^2/\text{NDF}: 48.7/20$

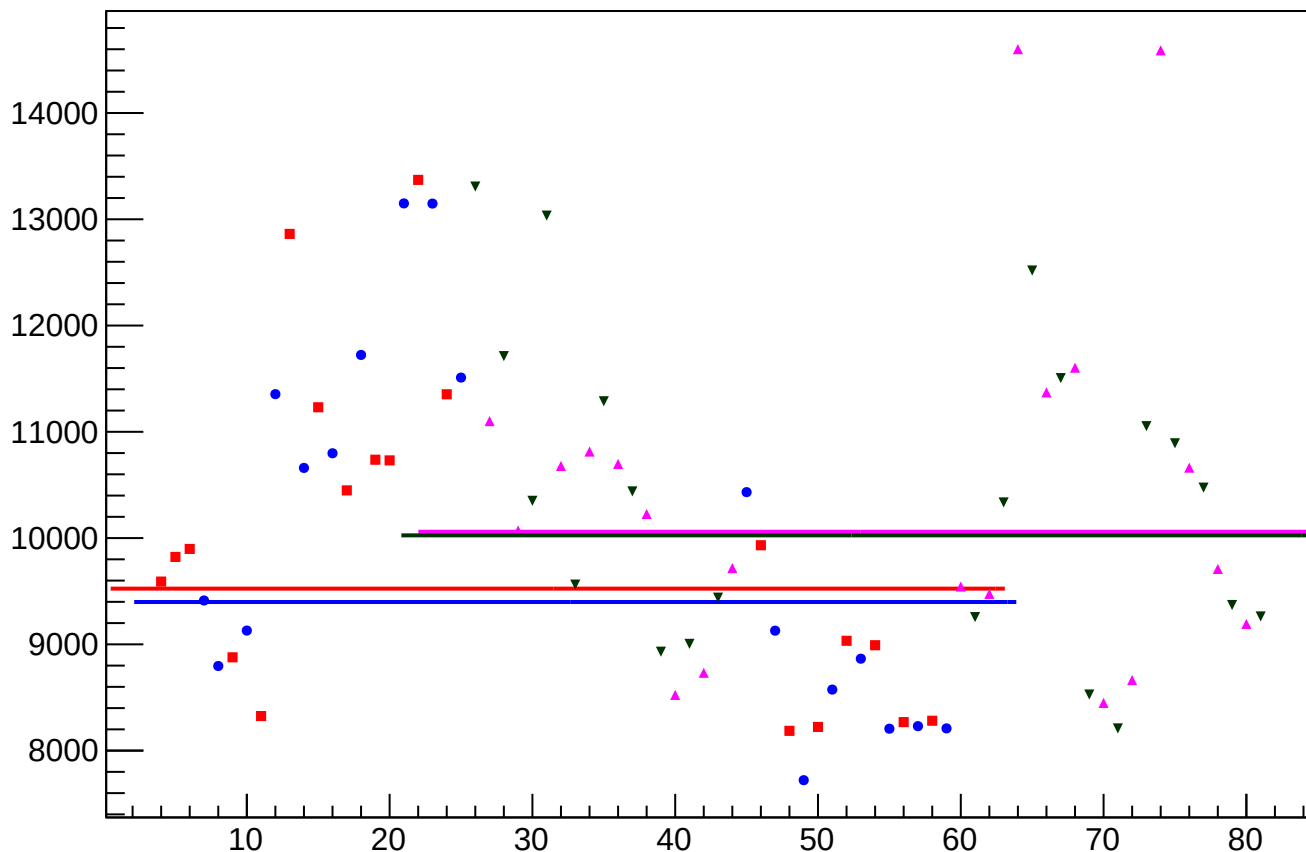
Right Out: -7.752 ± 3.046 $\chi^2/\text{NDF}: 27.5/18$

Left In: 5.348 ± 3.036 $\chi^2/\text{NDF}: 24.0/19$

-1.624 ± 2.079 $\chi^2/\text{NDF}: 64.2/38$

-1.182 ± 2.150 $\chi^2/\text{NDF}: 60.9/38$

diff_bpm4eX_rms vs slug



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

Left Out: 10025.551 $\pm$ 2.165 χ^2 /NDF: 360590.6/20

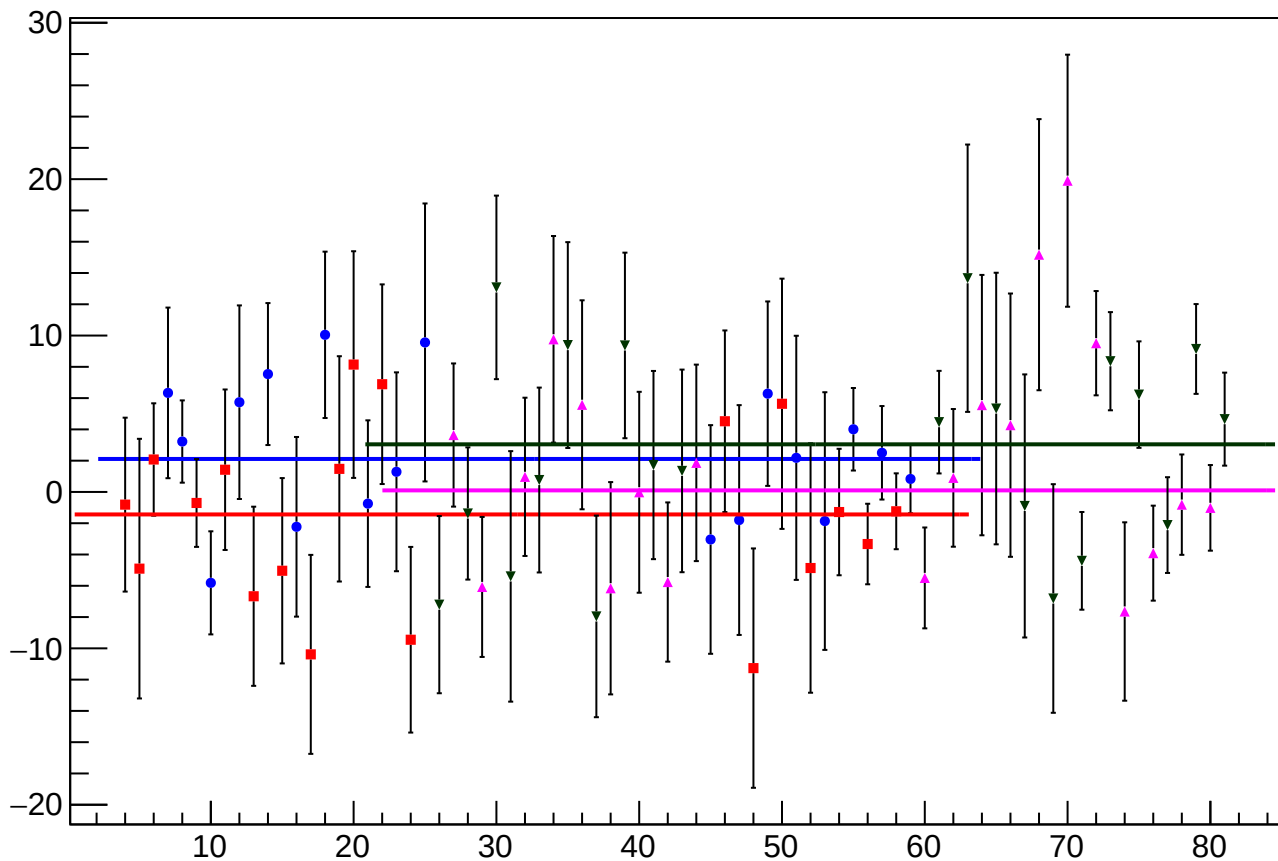
Right Out: 9524.317 $\pm$ 2.154 χ^2 /NDF: 440161.2/18

Left In: 10059.562 $\pm$ 2.147 χ^2 /NDF: 395831.5/19

9687.617 $\pm$ 1.470 χ^2 /NDF: 960690.6/38

9792.752 $\pm$ 1.520 χ^2 /NDF: 866971.9/38

diff_bpm4eY_mean vs slug



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

Left Out: 3.045 ± 0.966 $\chi^2/\text{NDF}: 34.6/20$

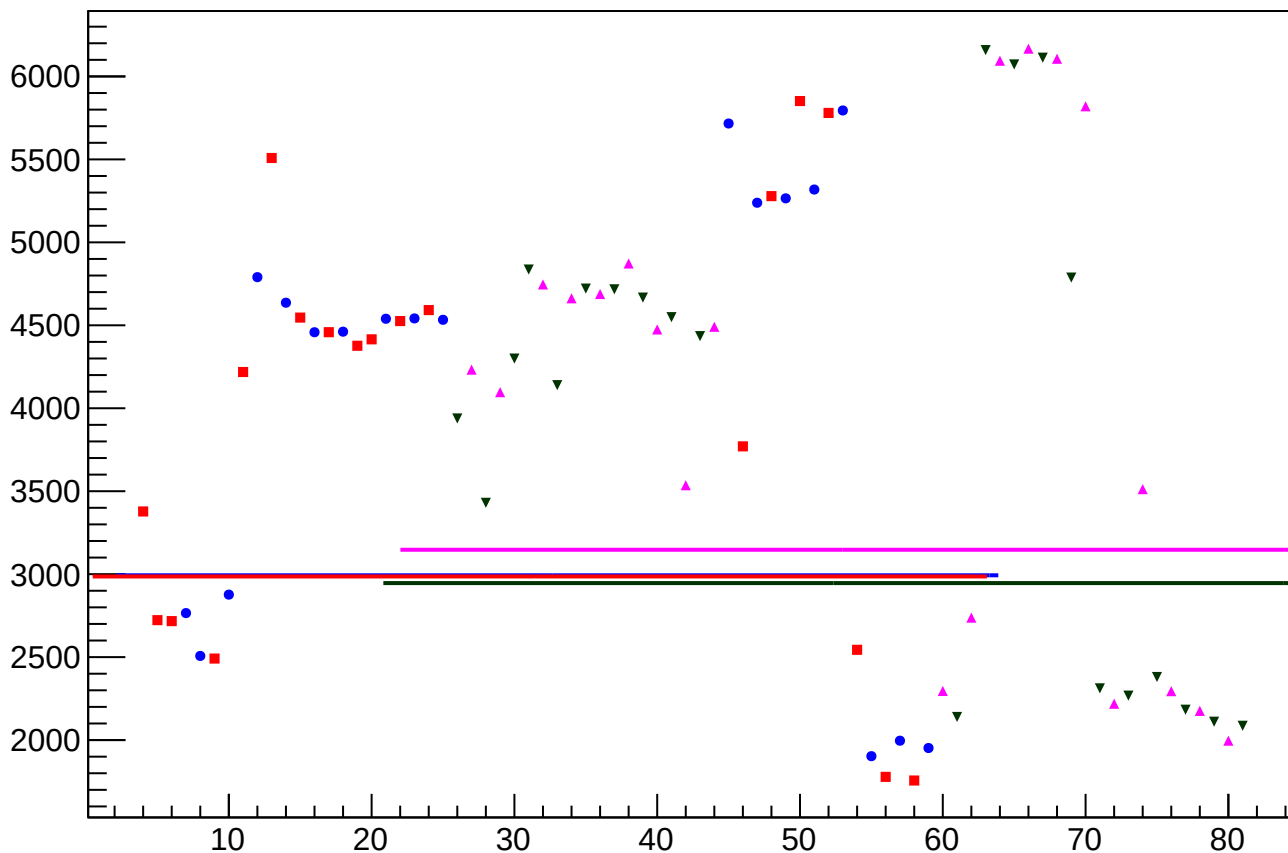
Right Out: -1.438 ± 1.040 $\chi^2/\text{NDF}: 14.4/18$

Left In: 0.100 ± 1.022 $\chi^2/\text{NDF}: 32.2/19$

2.584 ± 0.688 $\chi^2/\text{NDF}: 49.5/38$

-0.656 ± 0.729 $\chi^2/\text{NDF}: 47.6/38$

diff_bpm4eY_rms vs slug



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

Left Out: 2946.275 $\pm$ 0.683 χ^2 /NDF: 2864598.1/20

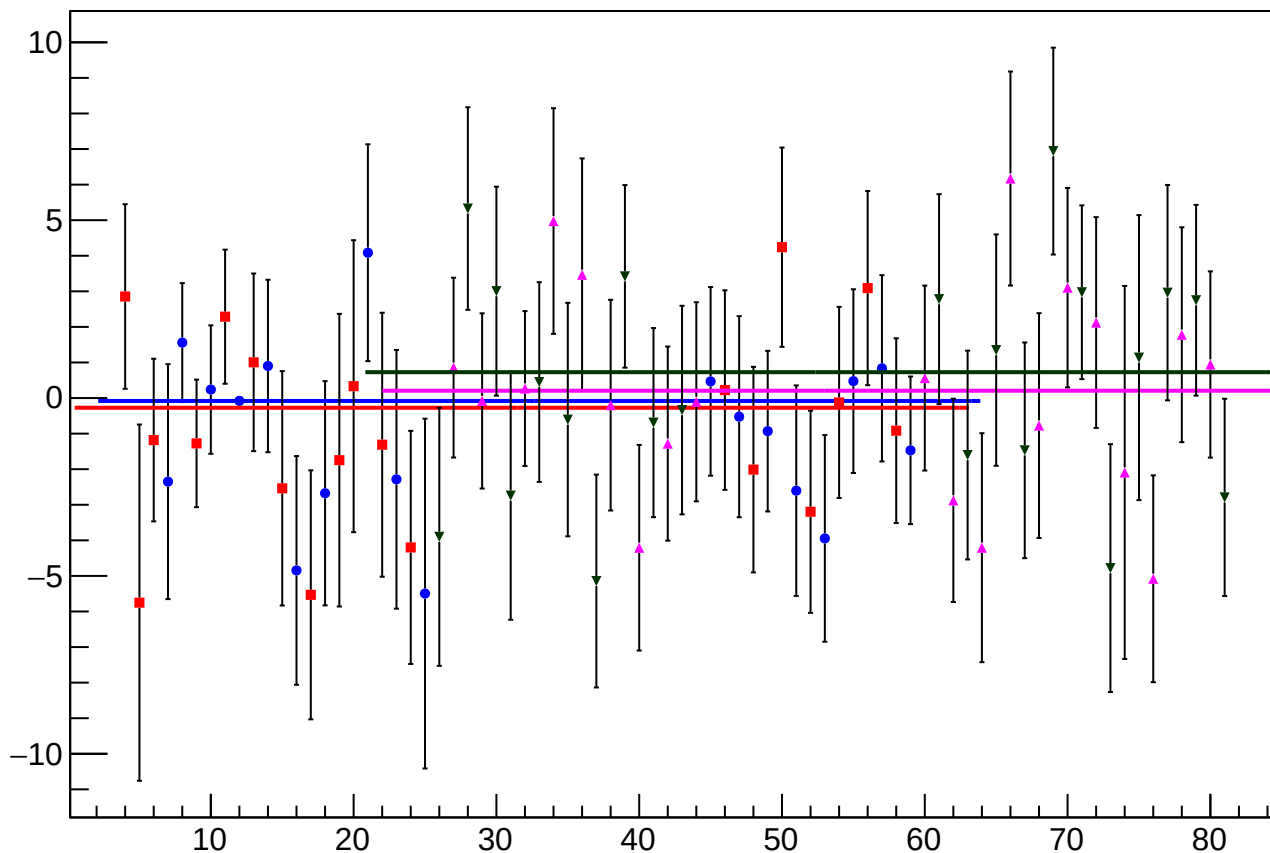
Right Out: 2986.116 $\pm$ 0.736 χ^2 /NDF: 2945634.2/18

Left In: 3147.096 $\pm$ 0.723 χ^2 /NDF: 2907221.4/19

2969.436 $\pm$ 0.486 χ^2 /NDF: 6185053.0/38

3067.994 $\pm$ 0.516 χ^2 /NDF: 5877216.3/38

diff_bpm4acX_mean vs slug



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

Left Out: 0.727 ± 0.648 χ^2/NDF : 23.7/20

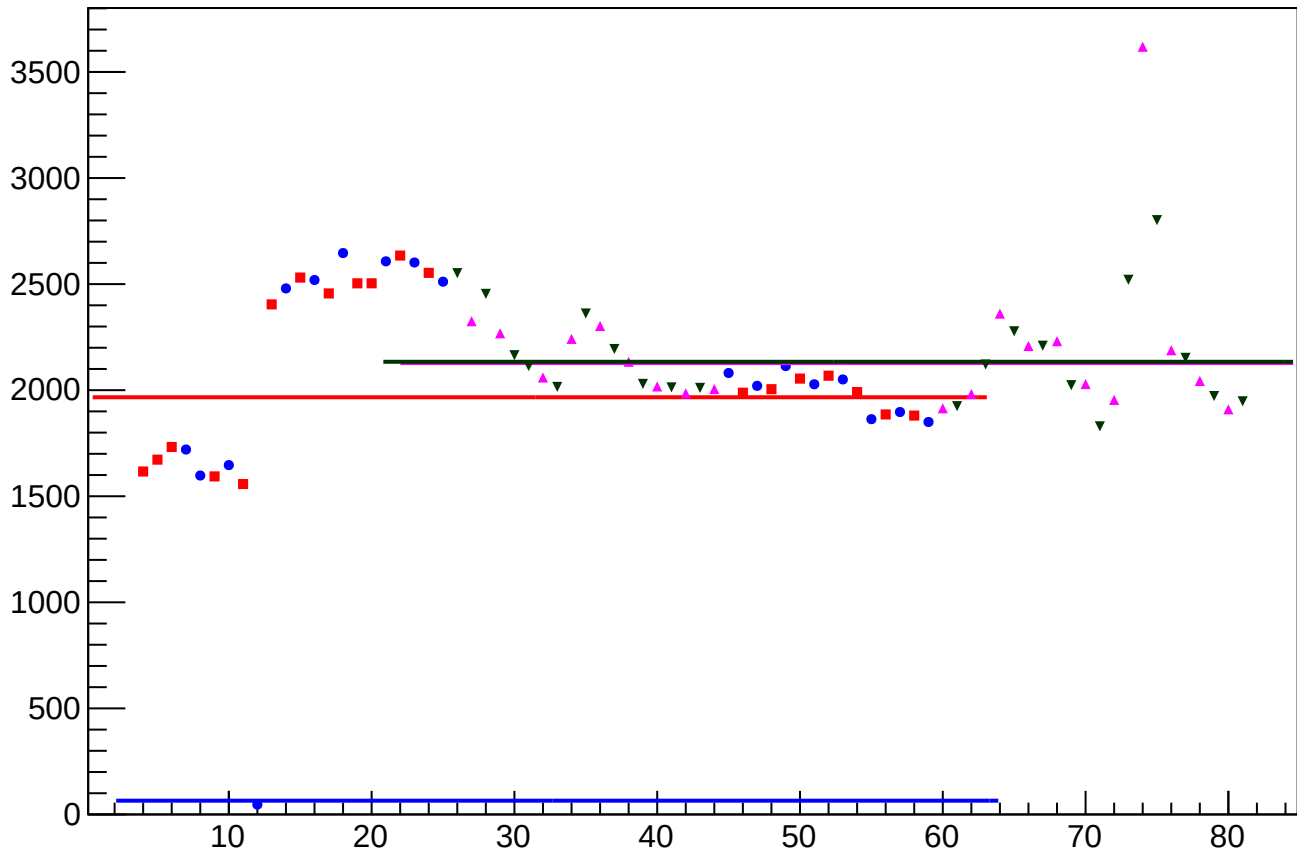
Right Out: -0.272 ± 0.631 χ^2/NDF : 15.3/18

Left In: 0.206 ± 0.639 χ^2/NDF : 18.4/19

-0.075 ± 0.060 χ^2/NDF : 36.5/38

-0.036 ± 0.449 χ^2/NDF : 34.0/38

diff_bpm4acX_rms vs slug



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

Left Out: 2133.796+/-0.458 χ^2 /NDF:222729.6/20

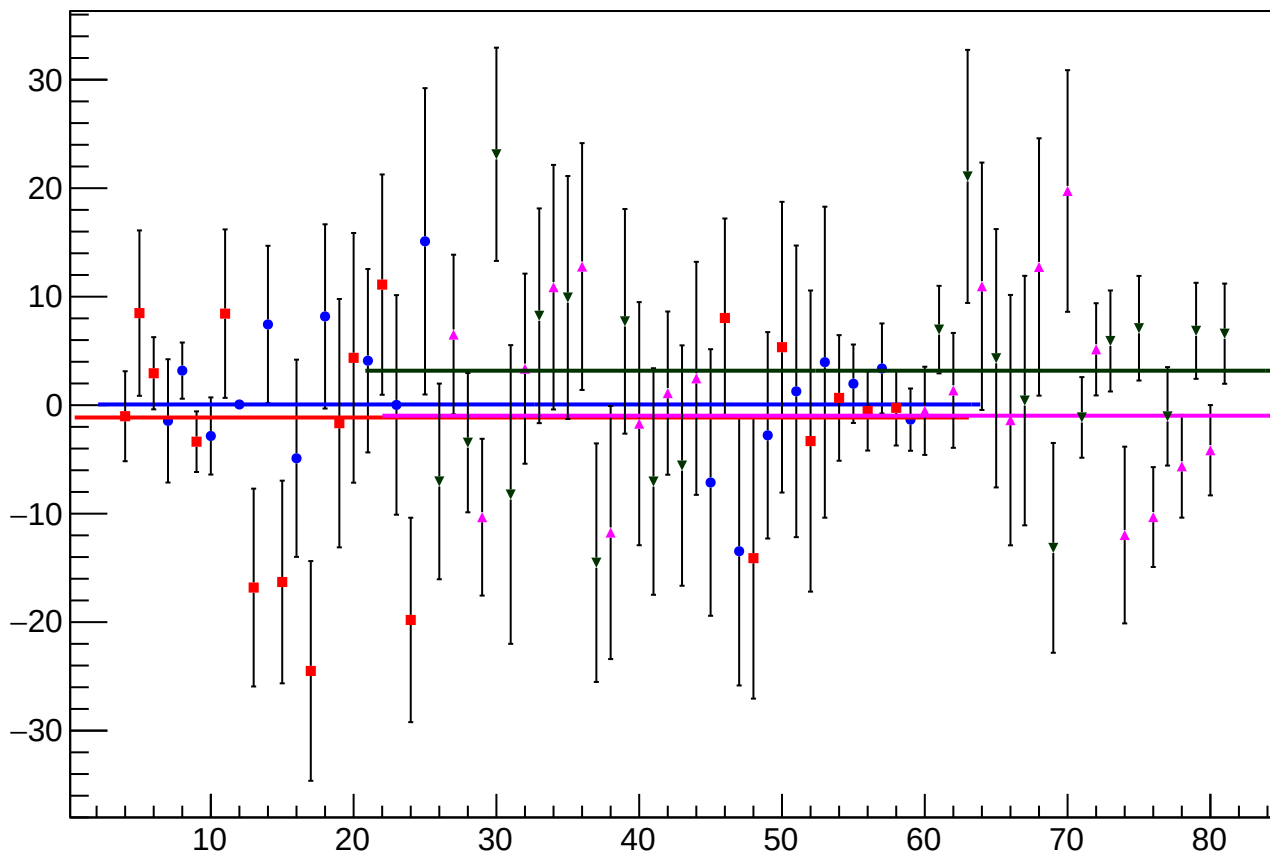
Right Out: 1966.634+/-0.446 χ^2 /NDF: 610680.3/18

Left In: 2127.963+/-0.452 χ^2 /NDF:261233.7/19

82.525+/-0.042 χ^2 /NDF: 40694658.9/38

2046.327+/-0.318 χ^2 /NDF: 936450.3/38

diff_bpm4acY_mean vs slug



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

Left Out: 3.176 ± 1.404 χ^2/NDF : 22.7/20

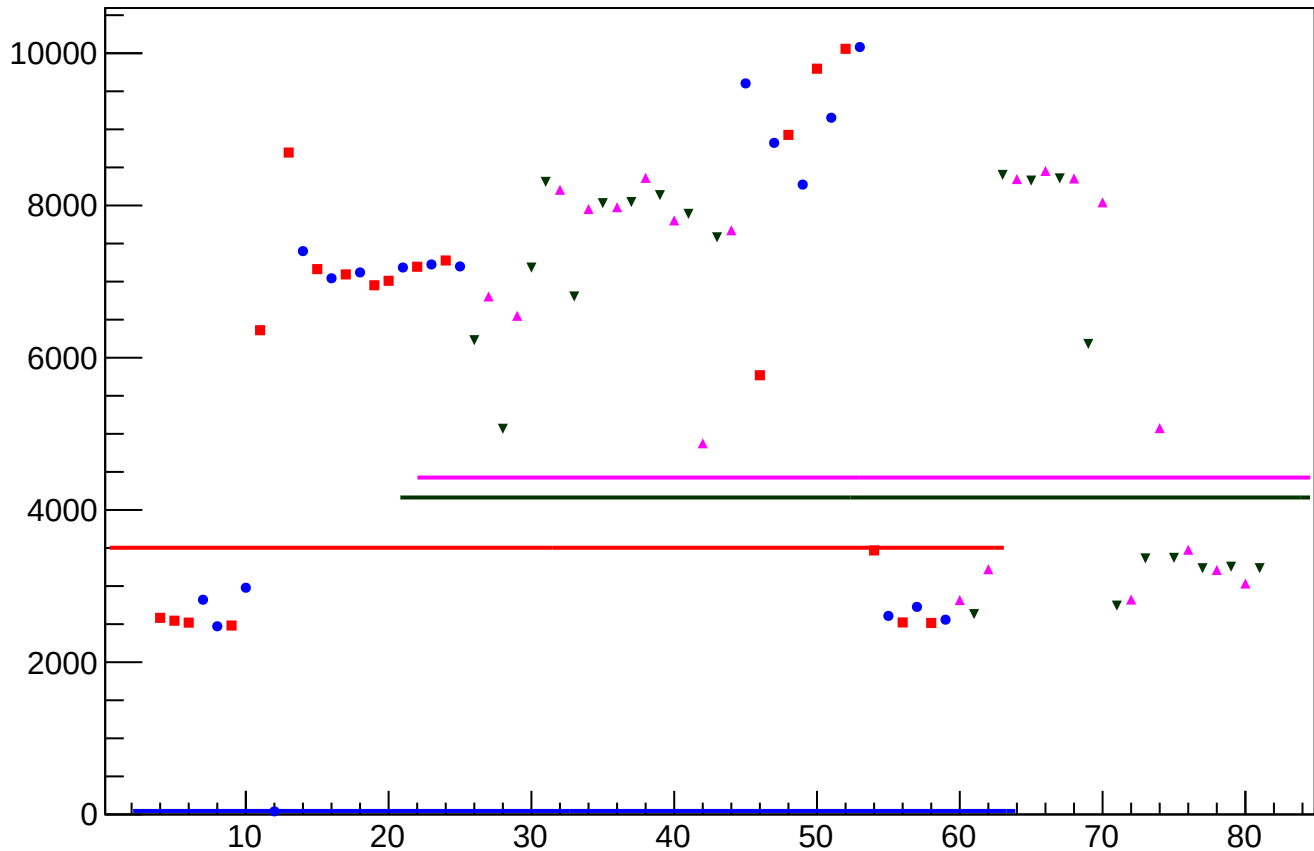
0.070 ± 0.052 χ^2/NDF : 36.3/38

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

Left In: -0.970 ± 1.483 χ^2/NDF : 22.2/19

-1.065 ± 0.976 χ^2/NDF : 46.5/38

diff_bpm4acY_rms vs slug



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

Left Out: 4163.935+/-0.993 χ^2 /NDF:3688659.9/20

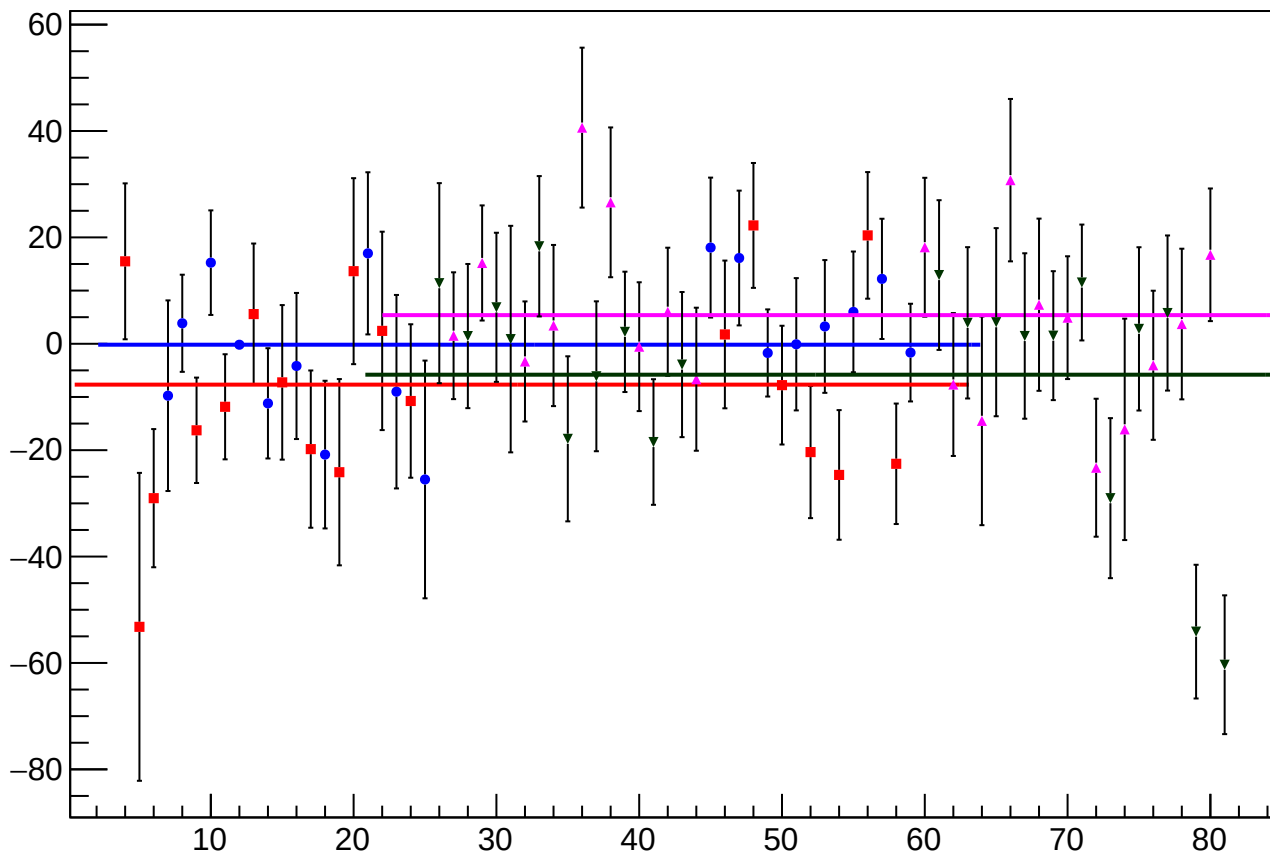
Right Out: 3503.720+/-0.916 χ^2 /NDF: 4669685.2/18

Left In: 4425.995+/-1.049 χ^2 /NDF:3809648.1/19

51.917+/-0.037 χ^2 /NDF: 41052132.5/38

3902.668+/-0.690 χ^2 /NDF: 8917981.3/38

diff_bpm4ecX_mean vs slug



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

Left Out: -5.813 ± 3.029 $\chi^2/\text{NDF}: 48.9/20$

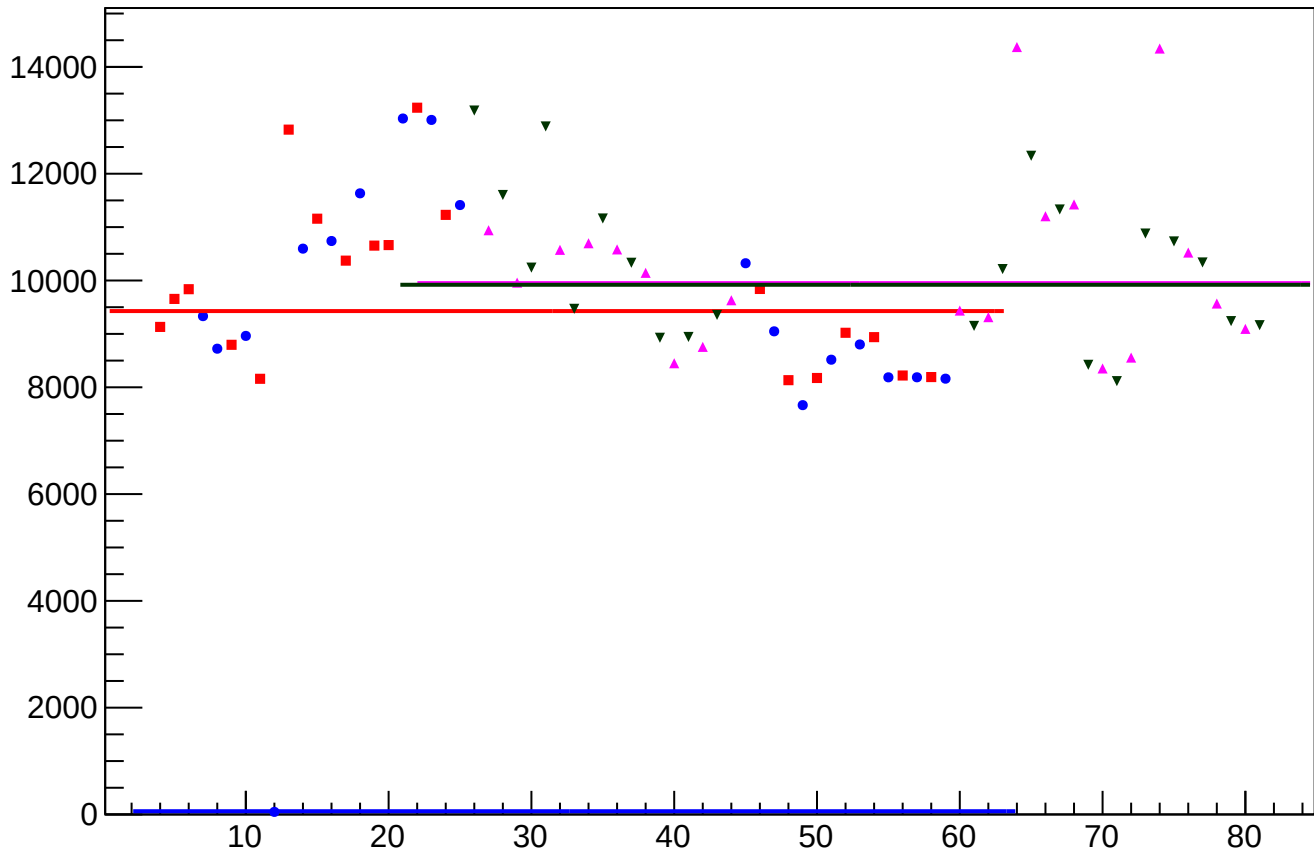
Right Out: -7.679 ± 3.015 $\chi^2/\text{NDF}: 30.2/18$

Left In: 5.386 ± 3.003 $\chi^2/\text{NDF}: 23.3/19$

-0.181 ± 0.106 $\chi^2/\text{NDF}: 66.7/38$

-1.119 ± 2.128 $\chi^2/\text{NDF}: 63.0/38$

diff_bpm4ecX_rms vs slug



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

Left Out: 9920.171 $\pm$ 2.142 χ^2 /NDF: 354356.0/20

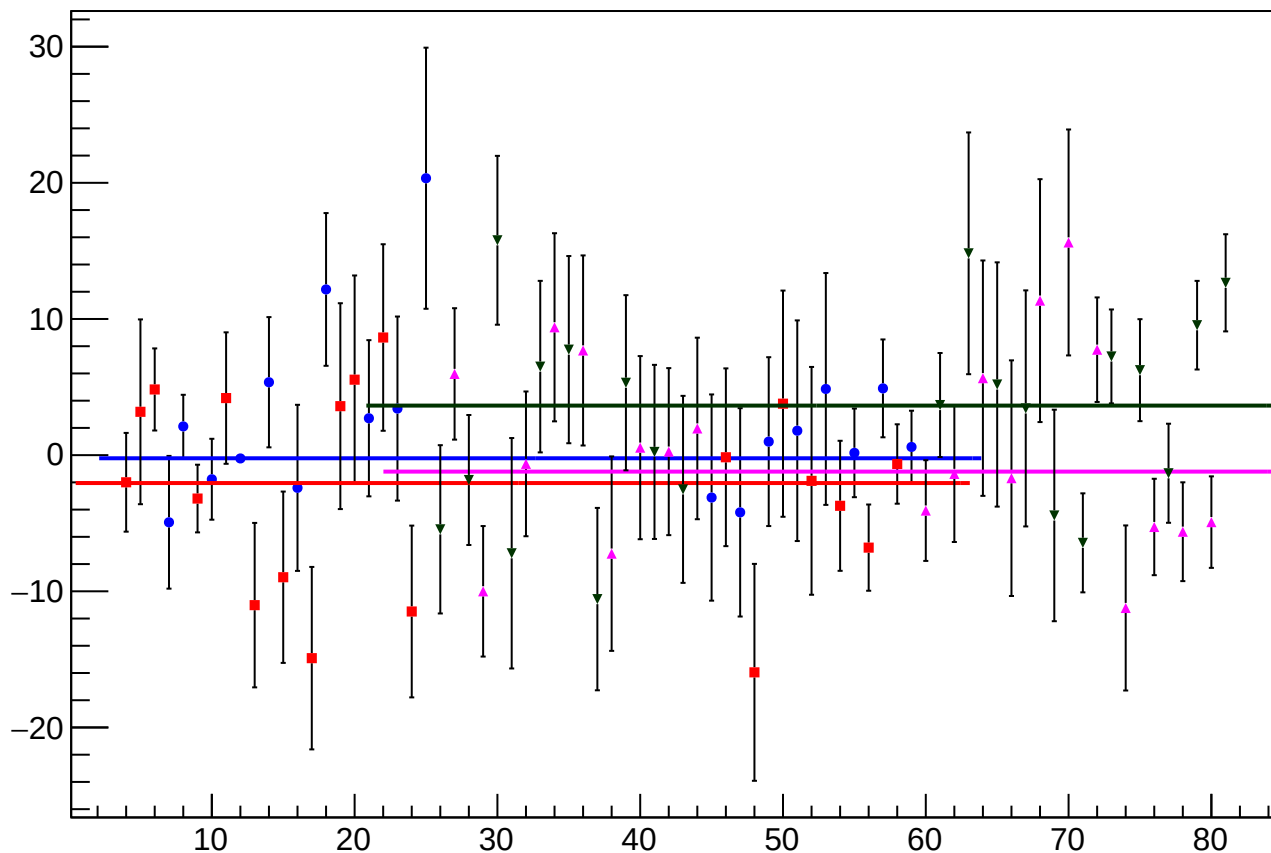
Right Out: 9427.549 $\pm$ 2.132 χ^2 /NDF: 447350.4/18

Left In: 9951.270 $\pm$ 2.123 χ^2 /NDF: 384362.8/19

72.908 $\pm$ 0.075 χ^2 /NDF: 42642930.8/38

9690.506 $\pm$ 1.505 χ^2 /NDF: 862003.6/38

diff_bpm4ecY_mean vs slug



Right In: -0.230 ± 0.090 $\chi^2/\text{NDF}: 16.8/17$

Left Out: 3.639 ± 1.084 $\chi^2/\text{NDF}: 38.7/20$

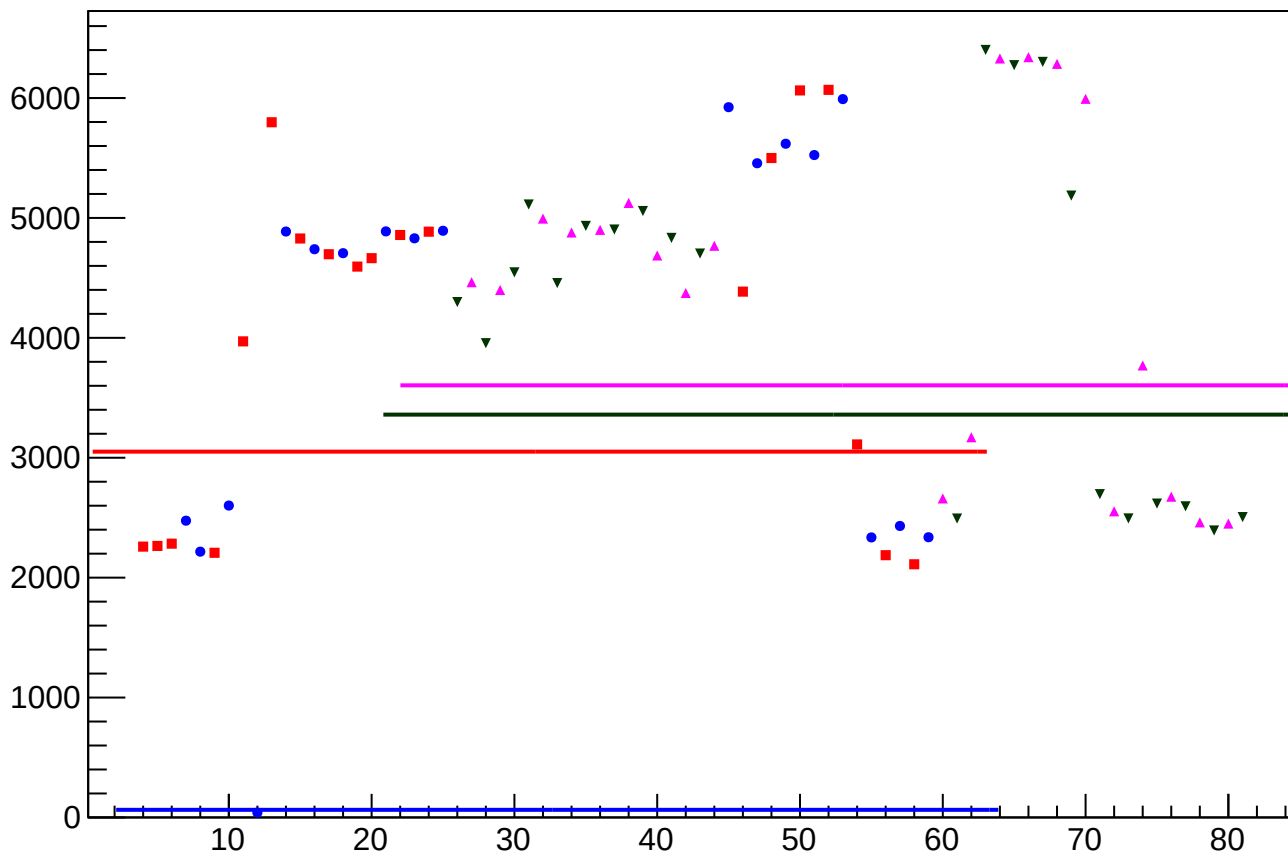
Right Out: -2.049 ± 1.055 $\chi^2/\text{NDF}: 27.2/18$

Left In: -1.209 ± 1.147 $\chi^2/\text{NDF}: 30.1/19$

-0.203 ± 0.090 $\chi^2/\text{NDF}: 68.1/38$

-1.664 ± 0.777 $\chi^2/\text{NDF}: 57.6/38$

diff_bpm4ecY_rms vs slug



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

Left Out: 3359.642+/-0.766 χ^2/NDF : 2370339.0/20

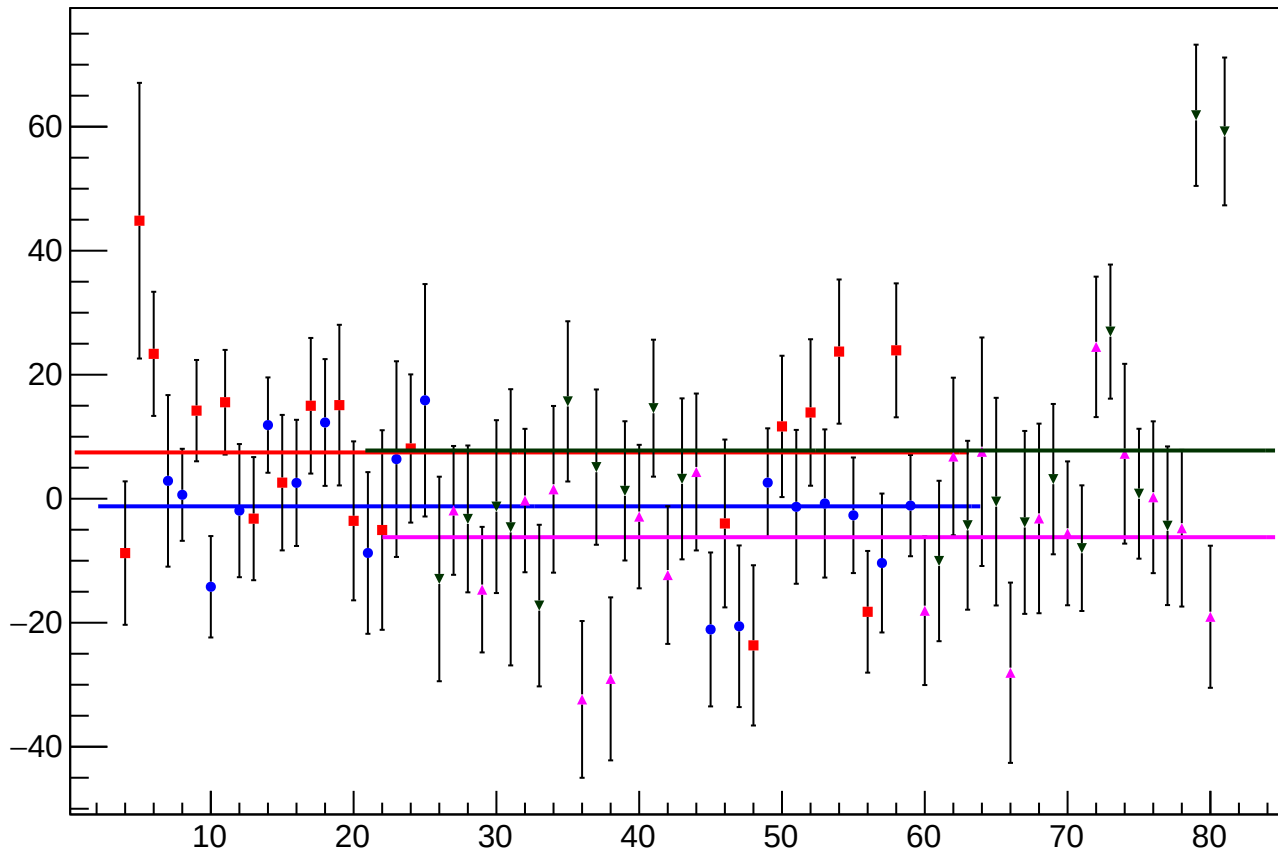
Right Out: 3050.872+/-0.746 χ^2/NDF : 2882138.2/18

Left In: 3603.875+/-0.811 χ^2/NDF : 2241064.2/19

86.198+/-0.063 χ^2/NDF : 41012366.6/38

3304.473+/-0.549 χ^2/NDF : 5375004.8/38

diff_bpm1X_mean vs slug



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

Left Out: 7.777 ± 2.743 $\chi^2/\text{NDF}: 59.9/20$

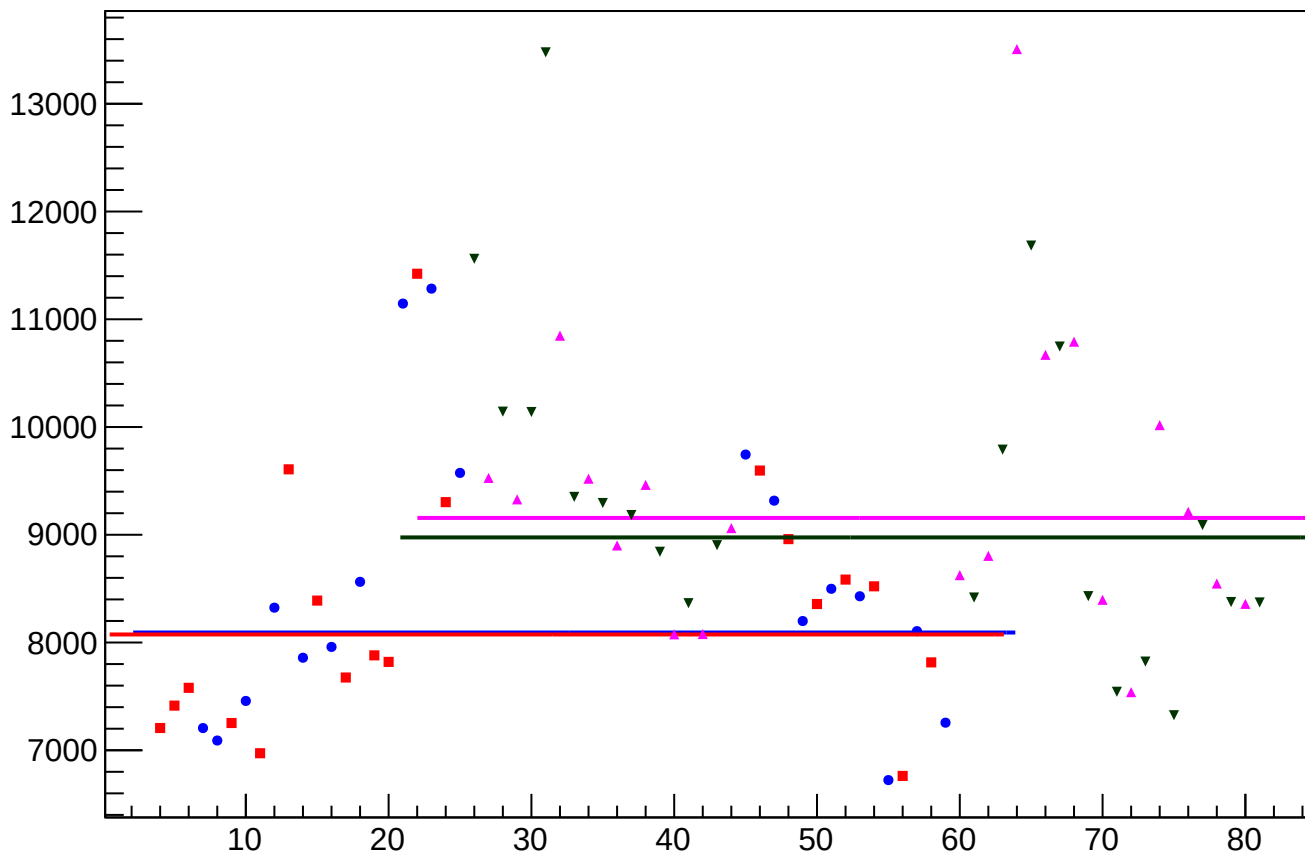
Right Out: 7.465 ± 2.574 $\chi^2/\text{NDF}: 30.5/18$

Left In: -6.206 ± 2.757 $\chi^2/\text{NDF}: 24.5/19$

2.732 ± 1.819 $\chi^2/\text{NDF}: 80.4/38$

1.100 ± 1.881 $\chi^2/\text{NDF}: 68.2/38$

diff_bpm1X_rms vs slug



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

Left Out: 8975.401 $\pm$ 1.940 χ^2 /NDF:393358.9/20

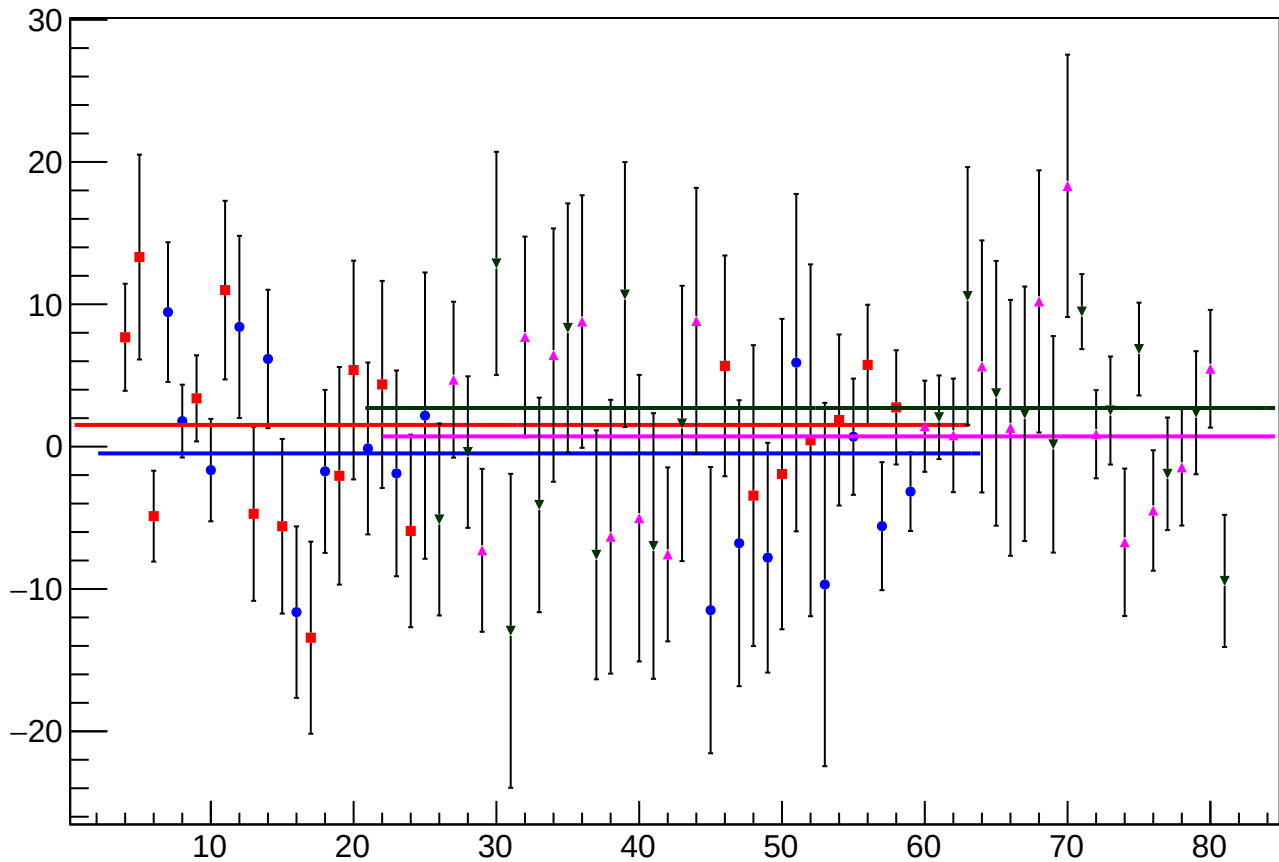
Right Out: 8074.654 $\pm$ 1.820 χ^2 /NDF: 312658.9/18

Left In: 9156.319 $\pm$ 1.950 χ^2 /NDF:317989.8/19

8480.949 $\pm$ 1.286 χ^2 /NDF: 898681.1/38

8578.315 $\pm$ 1.330 χ^2 /NDF: 795123.9/38

diff_bpm1Y_mean vs slug



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

Left Out: 2.715 ± 1.118 χ^2/NDF : 27.2/20

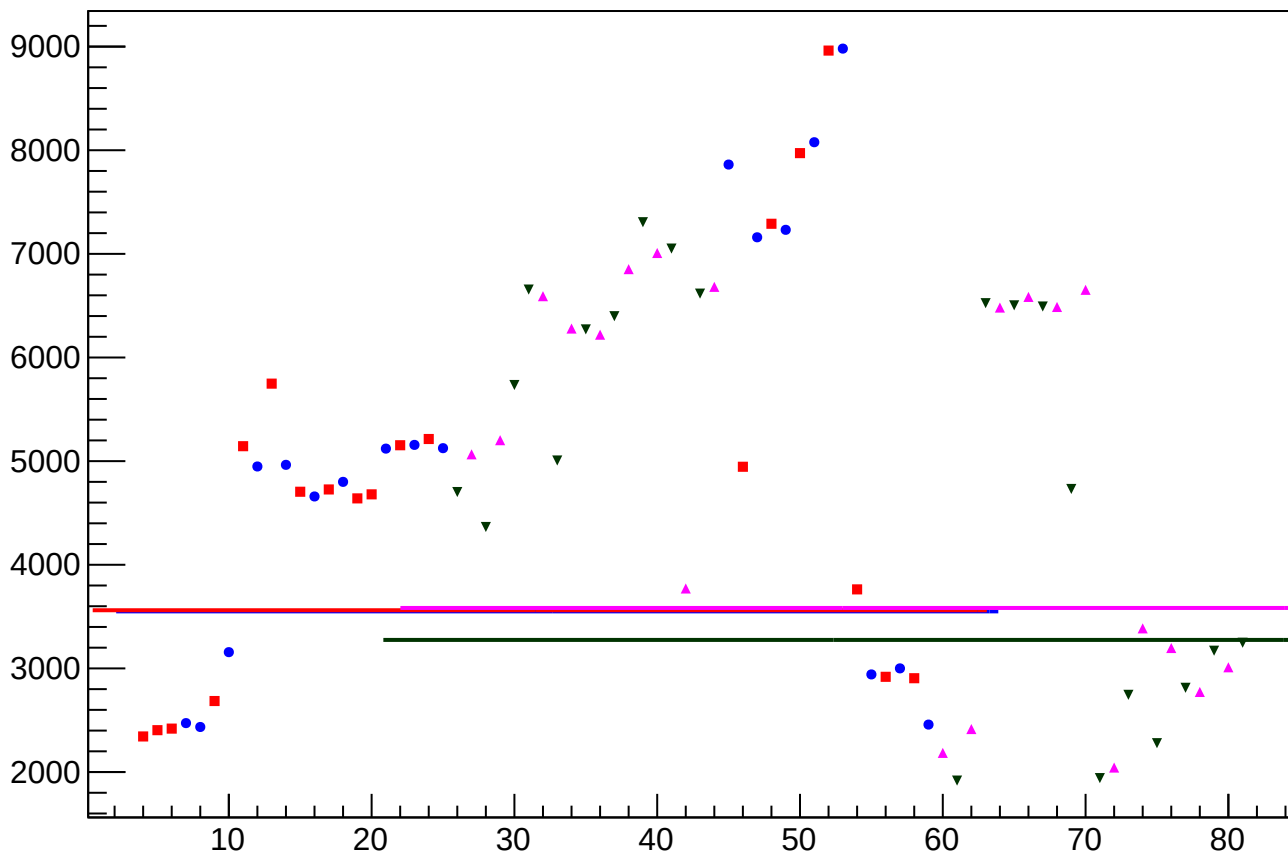
Right Out: 1.525 ± 1.232 χ^2/NDF : 22.9/18

Left In: 0.720 ± 1.201 χ^2/NDF : 18.4/19

1.180 ± 0.805 χ^2/NDF : 49.0/38

1.113 ± 0.860 χ^2/NDF : 41.5/38

diff_bpm1Y_rms vs slug



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

Left Out: 3274.911+/-0.791 χ^2/NDF : 4118159.0/20

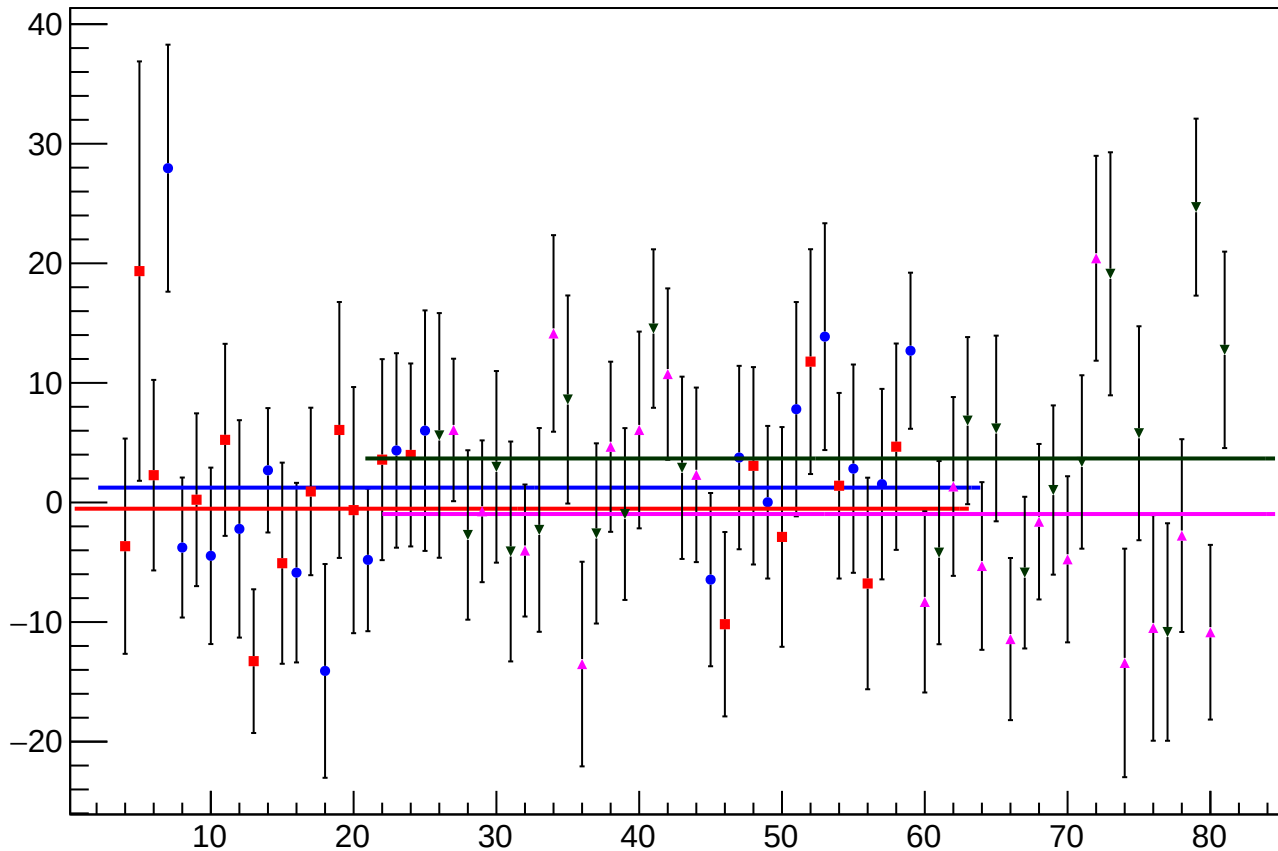
Right Out: 3561.233+/-0.871 χ^2/NDF : 2618224.4/18

Left In: 3583.324+/-0.850 χ^2/NDF : 3756765.5/19

3407.451+/-0.570 χ^2/NDF : 7470571.6/38

3572.554+/-0.608 χ^2/NDF : 6375319.6/38

diff_bpm11X_mean vs slug



Right In: 1.242 ± 1.752 $\chi^2/\text{NDF}: 20.2/17$

Left Out: 3.679 ± 1.700 $\chi^2/\text{NDF}: 24.2/20$

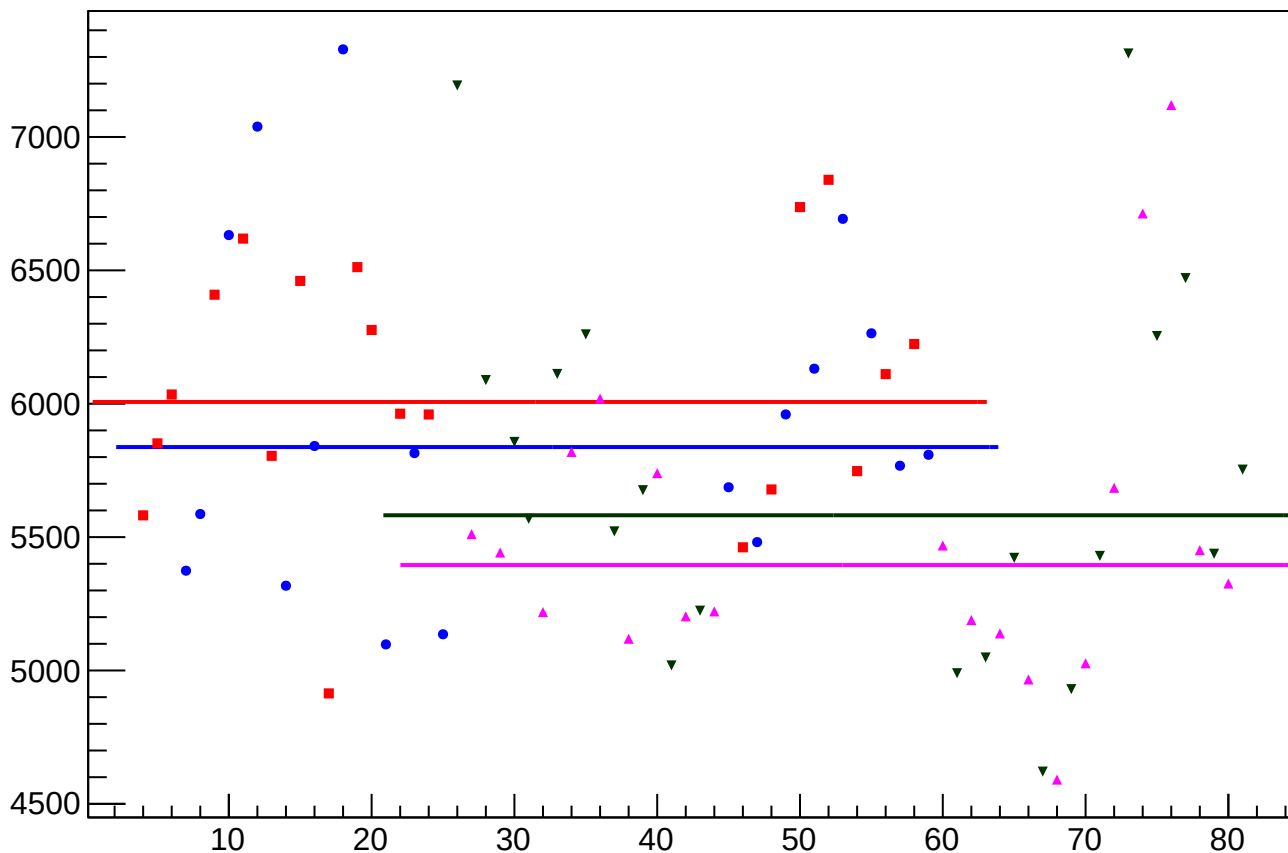
2.497 ± 1.220 $\chi^2/\text{NDF}: 45.3/38$

Right Out: -0.521 ± 1.907 $\chi^2/\text{NDF}: 12.3/18$

-0.780 ± 1.233 $\chi^2/\text{NDF}: 38.7/38$

Left In: -0.967 ± 1.617 $\chi^2/\text{NDF}: 26.4/19$

diff_bpm11X_rms vs slug



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

Left Out: 5581.925 $\pm$ 1.202 χ^2 /NDF:279652.7/20

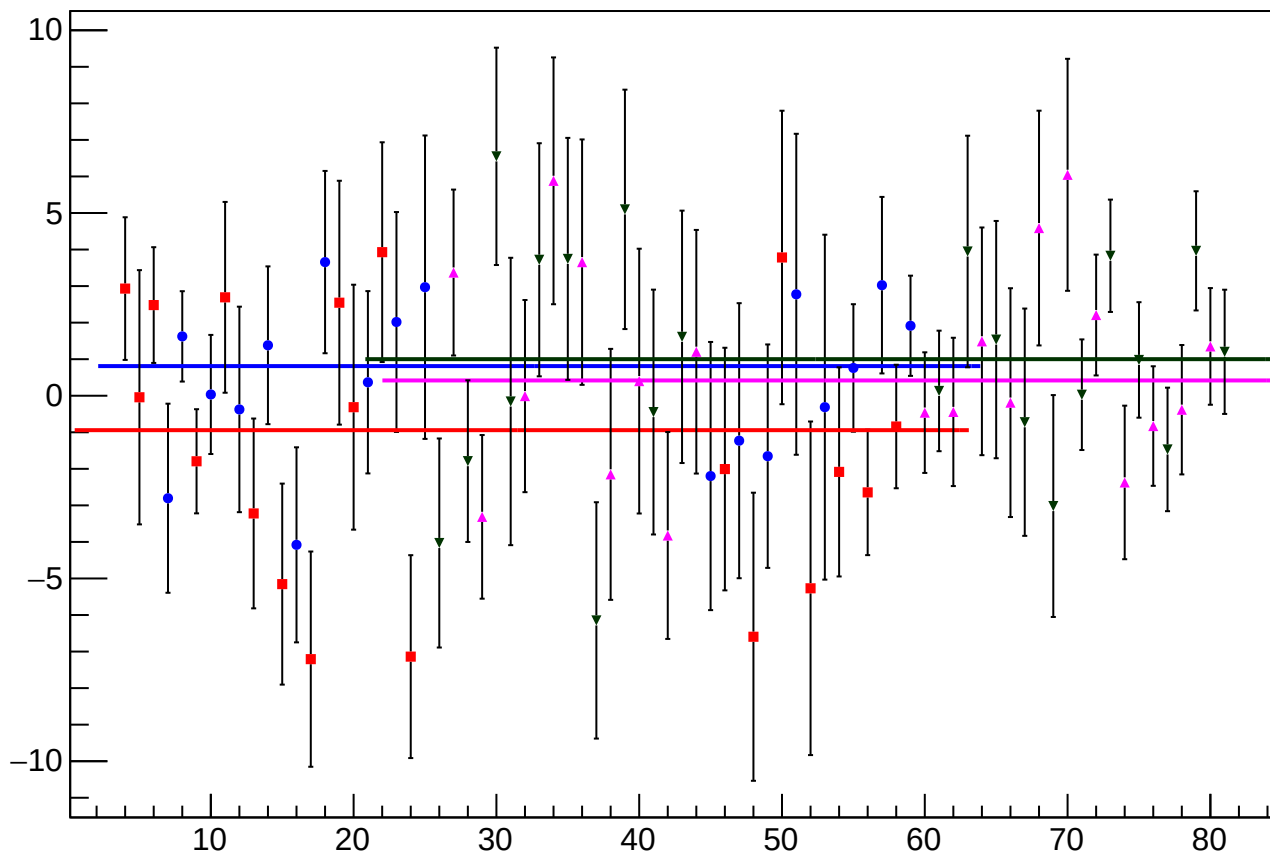
5705.919 $\pm$ 0.863 χ^2 /NDF: 512909.7/38

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

5651.102 $\pm$ 0.872 χ^2 /NDF: 434176.8/38

Left In: 5395.256 $\pm$ 1.143 χ^2 /NDF:184064.3/19

diff_bpm11Y_mean vs slug



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

Left Out: 1.001 ± 0.490 χ^2/NDF : 28.8/20

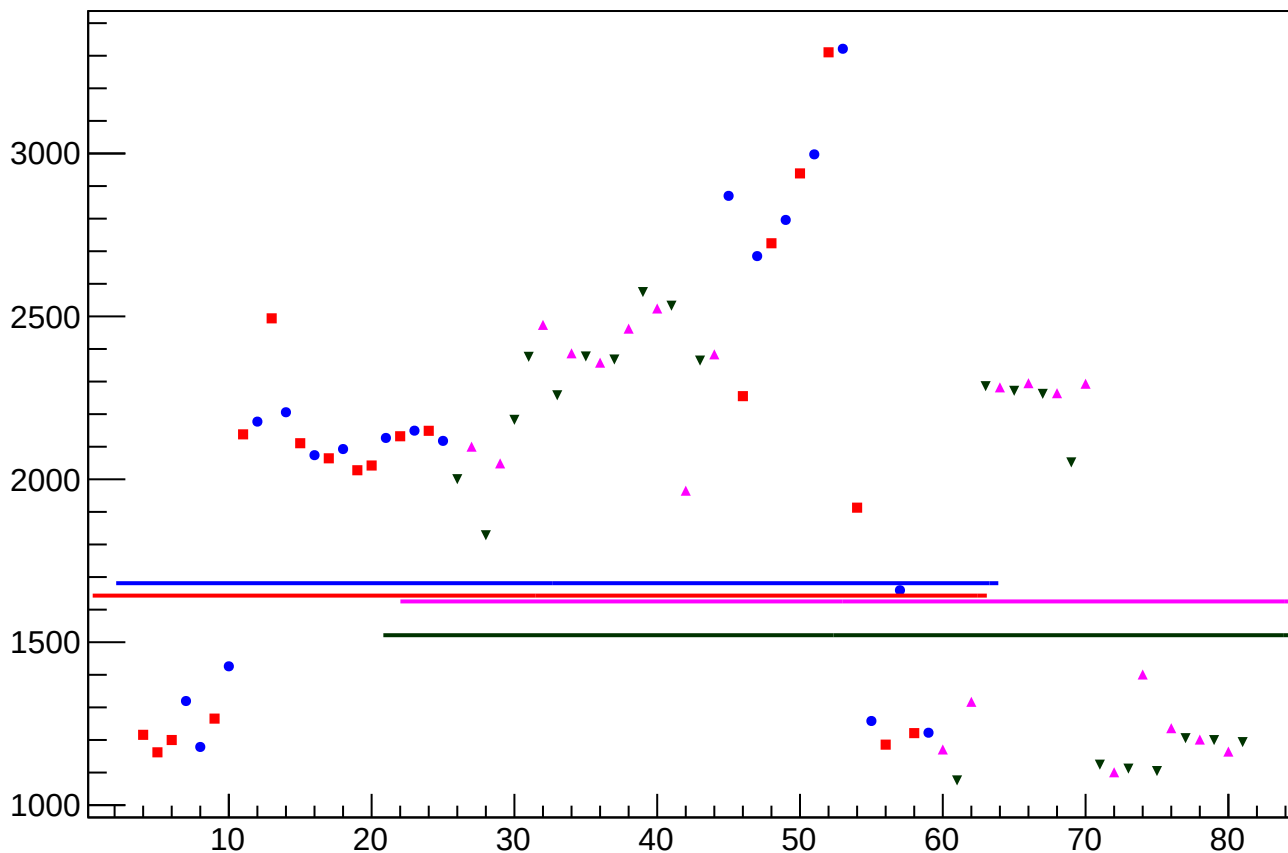
Right Out: -0.942 ± 0.553 χ^2/NDF : 32.9/18

Left In: 0.418 ± 0.514 χ^2/NDF : 20.4/19

0.914 ± 0.360 χ^2/NDF : 40.2/38

-0.213 ± 0.376 χ^2/NDF : 56.6/38

diff_bpm11Y_rms vs slug



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

Left Out: 1521.520 $\pm$ 0.347 χ^2 /NDF: 2358538.6/20

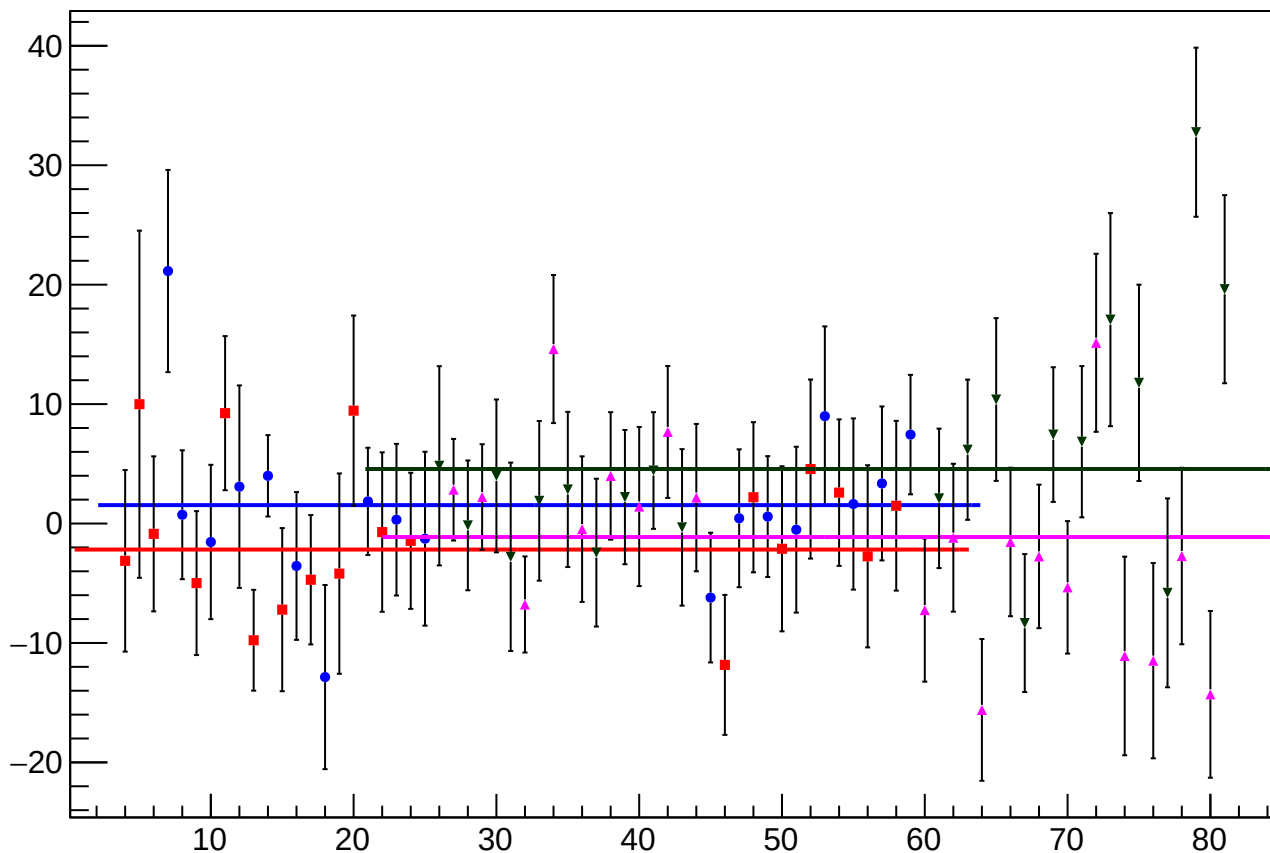
Right Out: 1643.071 $\pm$ 0.391 χ^2 /NDF: 1969332.5/18

Left In: 1625.193 $\pm$ 0.364 χ^2 /NDF: 2103806.4/19

1594.804 $\pm$ 0.255 χ^2 /NDF: 4668869.4/38

1633.493 $\pm$ 0.266 χ^2 /NDF: 4074260.6/38

diff_bpm12X_mean vs slug



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

Left Out: 4.565 ± 1.409 χ^2/NDF : 34.2/20

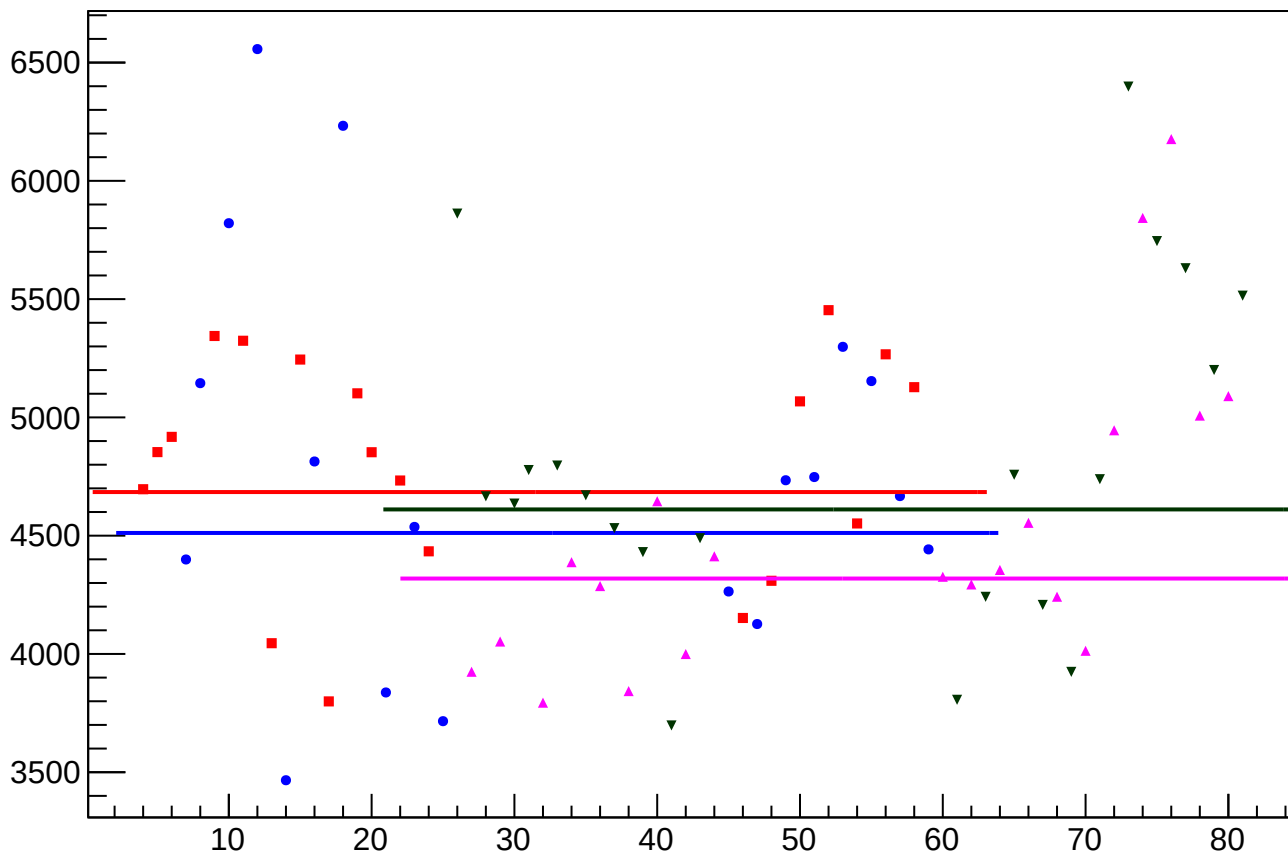
Right Out: -2.180 ± 1.492 χ^2/NDF : 15.2/18

Left In: -1.130 ± 1.299 χ^2/NDF : 32.8/19

3.010 ± 0.982 χ^2/NDF : 51.7/38

-1.583 ± 0.980 χ^2/NDF : 48.3/38

diff_bpm12X_rms vs slug



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

Left Out: 4610.955+/-0.997 χ^2/NDF : 399763.5/20

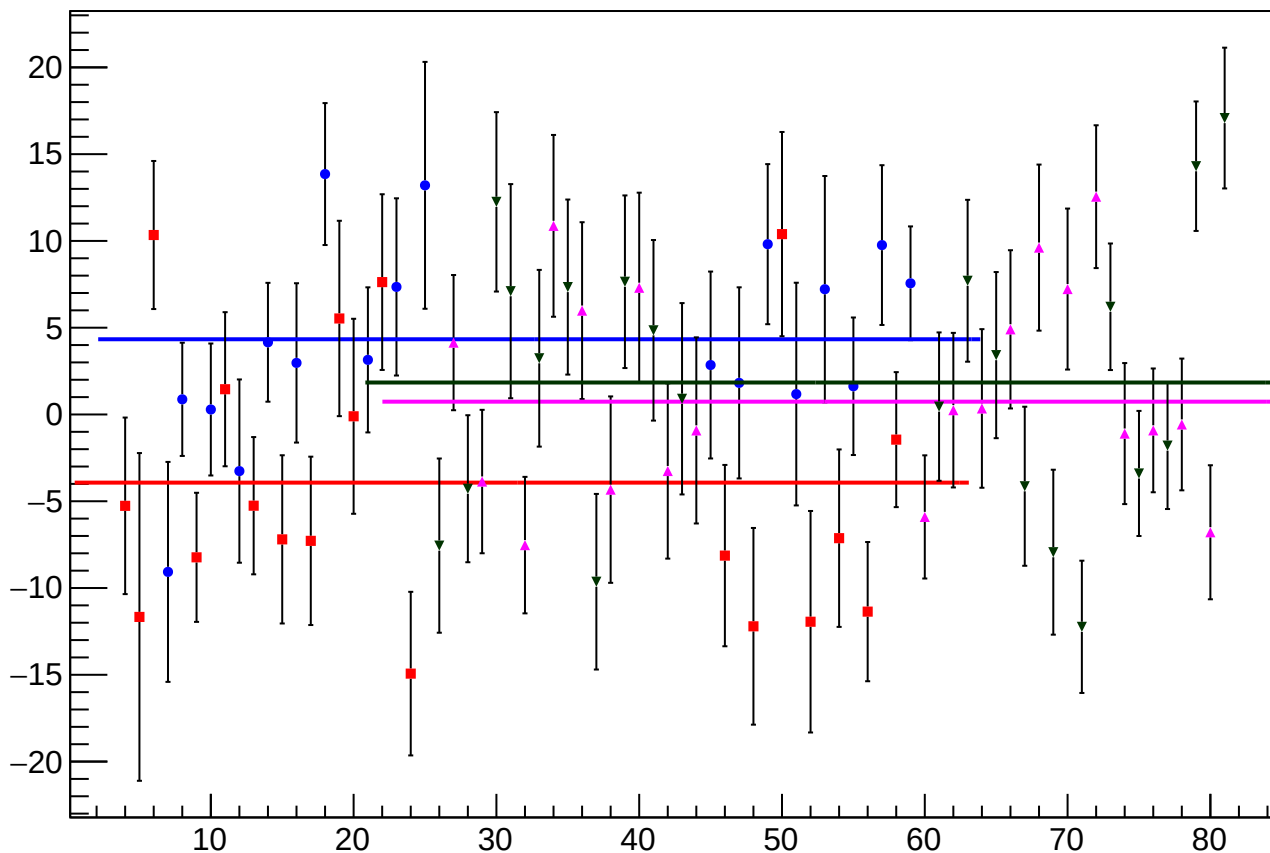
Right Out: 4684.391+/-1.055 χ^2/NDF : 240230.9/18

Left In: 4318.784+/-0.919 χ^2/NDF : 322390.7/19

4559.789+/-0.694 χ^2/NDF : 1051887.1/38

4476.401+/-0.693 χ^2/NDF : 630900.6/38

diff_bpm12Y_mean vs slug



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

Left Out: 1.842 ± 0.975 $\chi^2/\text{NDF}: 69.7/20$

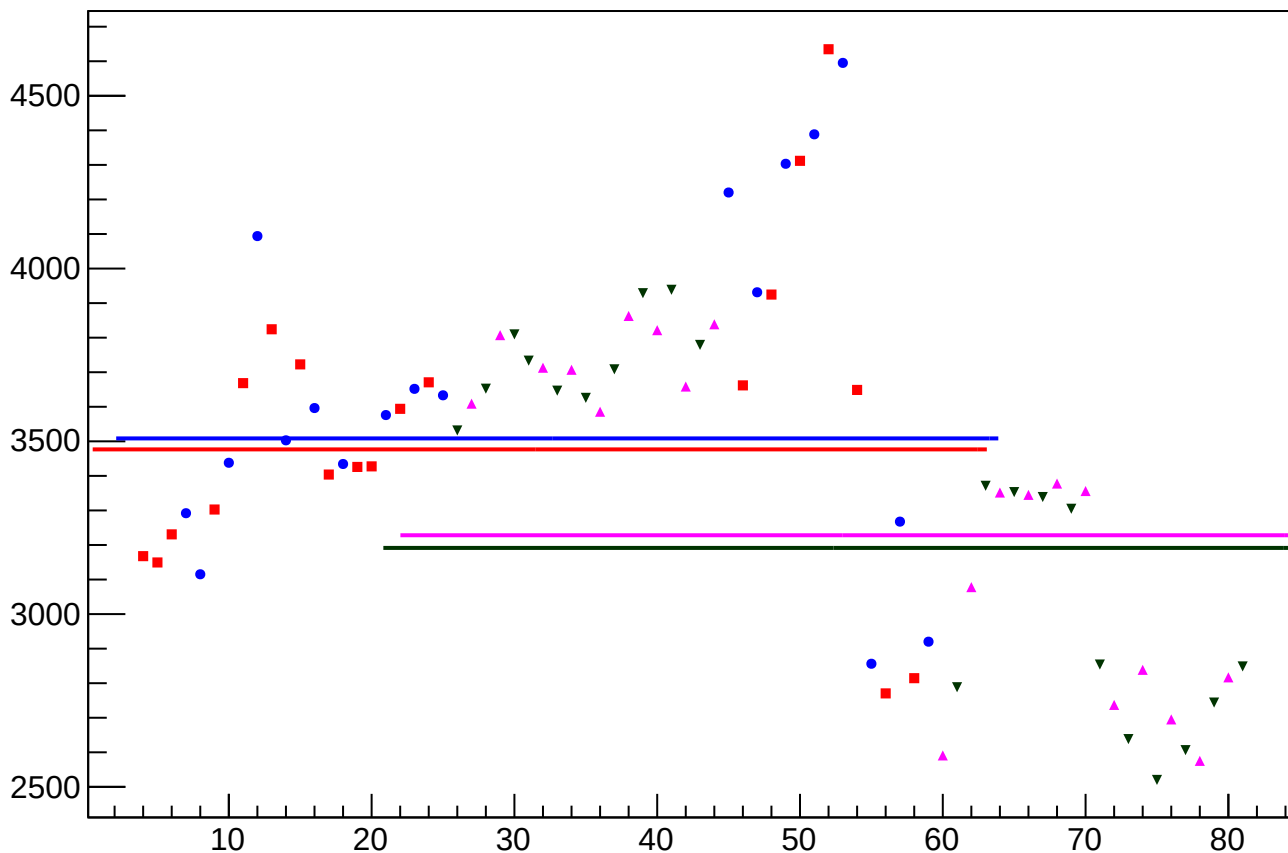
Right Out: -3.927 ± 1.110 $\chi^2/\text{NDF}: 44.2/18$

Left In: 0.738 ± 0.973 $\chi^2/\text{NDF}: 36.6/19$

2.990 ± 0.716 $\chi^2/\text{NDF}: 94.0/38$

-1.289 ± 0.732 $\chi^2/\text{NDF}: 90.8/38$

diff_bpm12Y_rms vs slug



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

Left Out: 3191.534 $\pm$ 0.690 χ^2 /NDF:488231.3/20

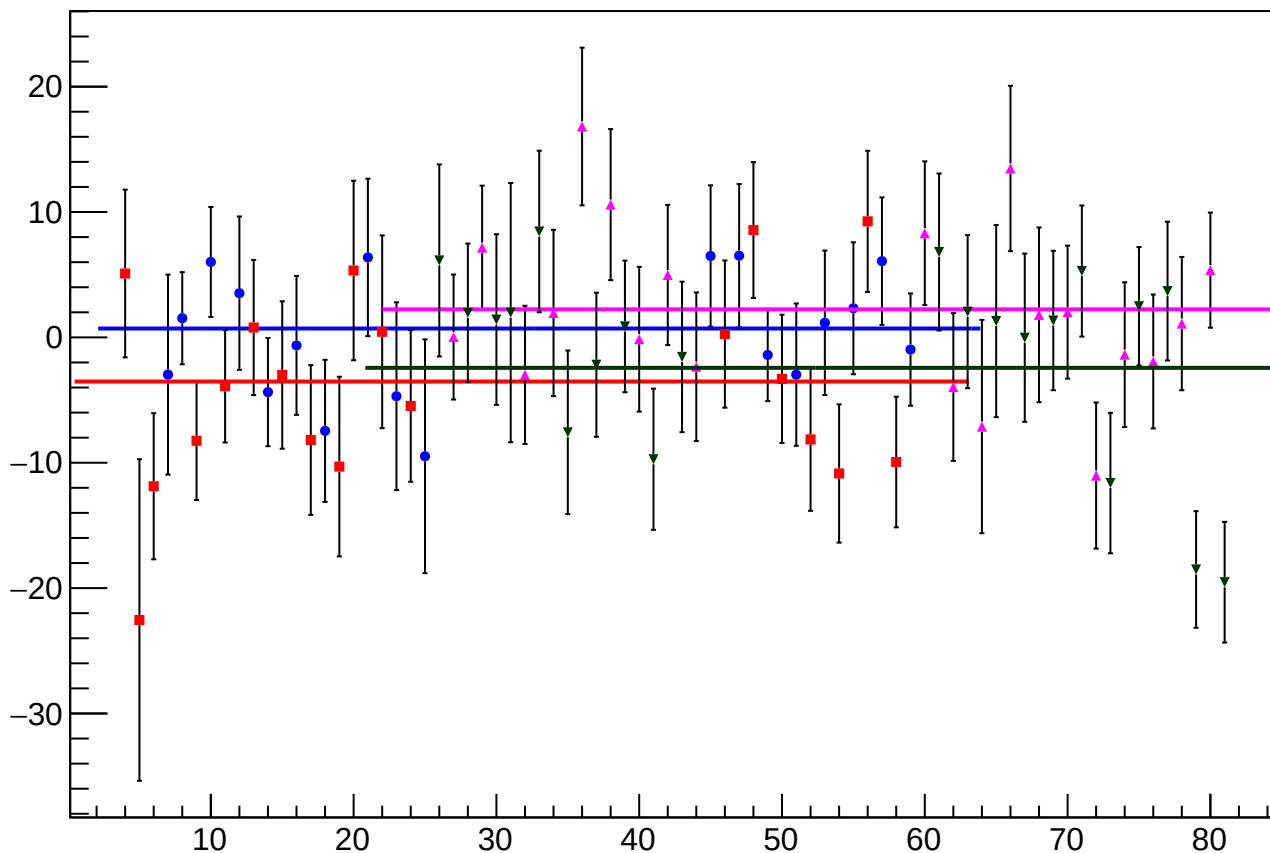
Right Out: 3476.662 $\pm$ 0.785 χ^2 /NDF: 293750.8/18

Left In: 3228.177 $\pm$ 0.688 χ^2 /NDF:453606.0/19

3337.543 $\pm$ 0.506 χ^2 /NDF: 969648.6/38

3336.134 $\pm$ 0.517 χ^2 /NDF: 804052.9/38

diff_bpm16X_mean vs slug



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

Left Out: -2.428 ± 1.277 $\chi^2/\text{NDF}: 43.2/20$

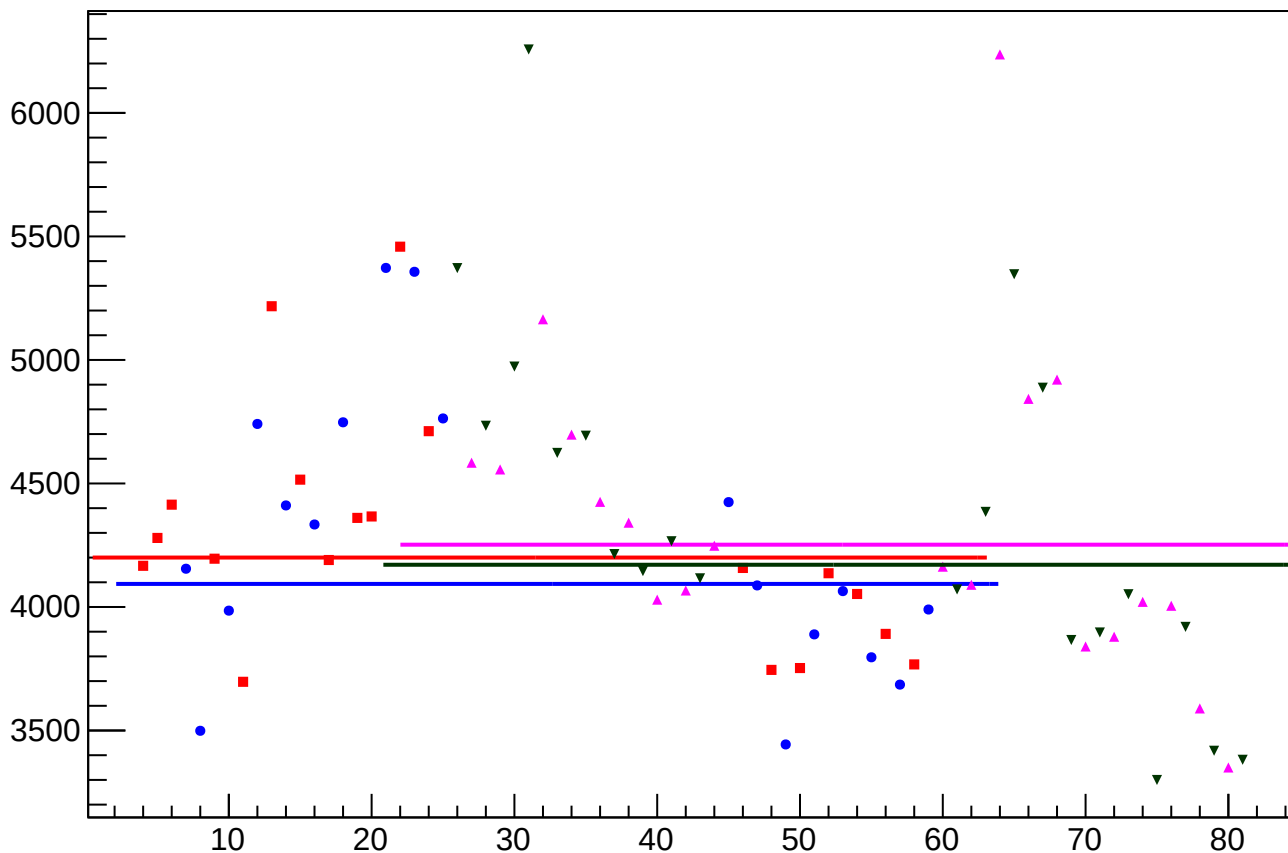
Right Out: -3.522 ± 1.336 $\chi^2/\text{NDF}: 25.4/18$

Left In: 2.237 ± 1.281 $\chi^2/\text{NDF}: 23.4/19$

-0.801 ± 0.885 $\chi^2/\text{NDF}: 58.6/38$

-0.522 ± 0.925 $\chi^2/\text{NDF}: 58.5/38$

diff_bpm16X_rms vs slug



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

Left Out: 4170.943 $\pm$ 0.903 χ^2 /NDF: 466449.8/20

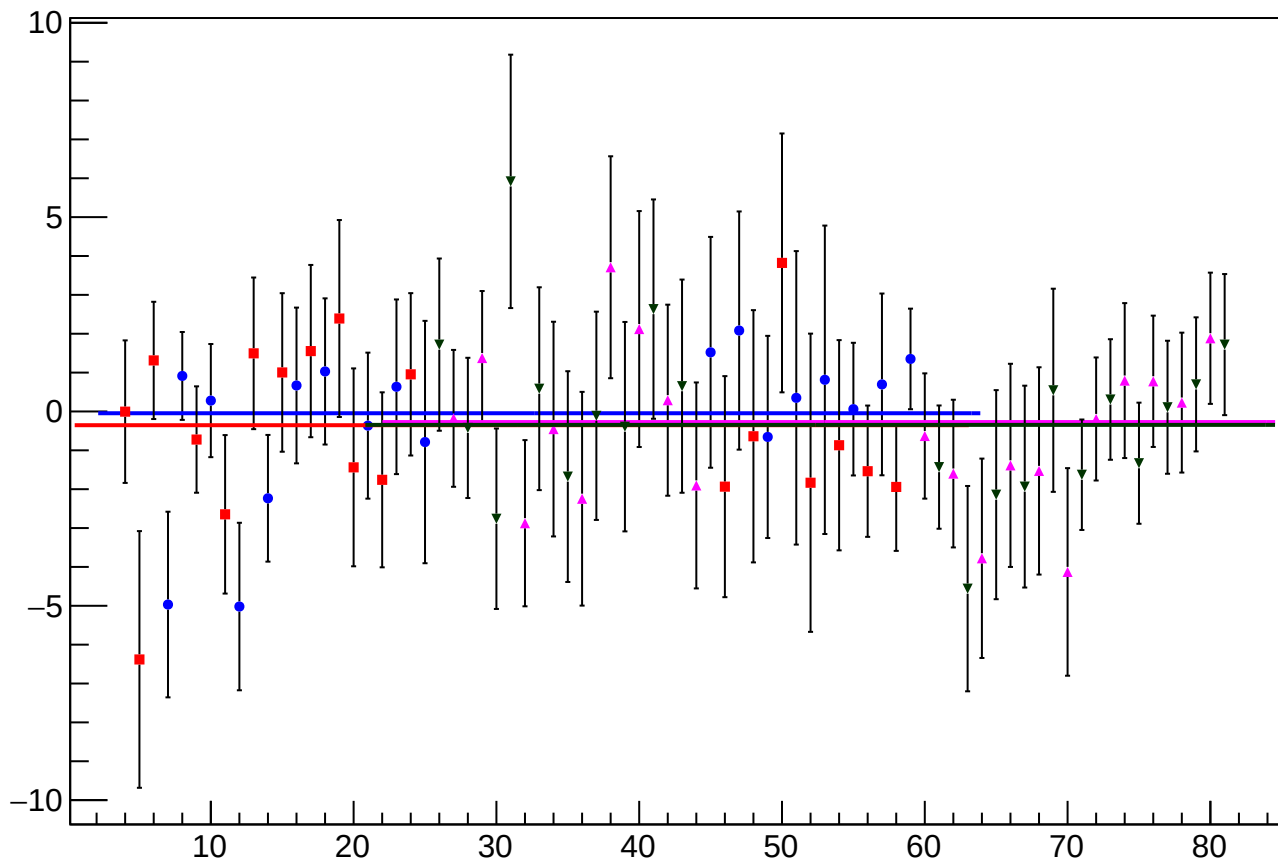
Right Out: 4200.125 $\pm$ 0.945 χ^2 /NDF: 225858.3/18

Left In: 4252.184 $\pm$ 0.906 χ^2 /NDF: 368520.1/19

4130.681 $\pm$ 0.626 χ^2 /NDF: 829980.2/38

4227.247 $\pm$ 0.654 χ^2 /NDF: 595960.6/38

diff_bpm16Y_mean vs slug



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

Left Out: -0.345 ± 0.452 χ^2/NDF : 14.3/20

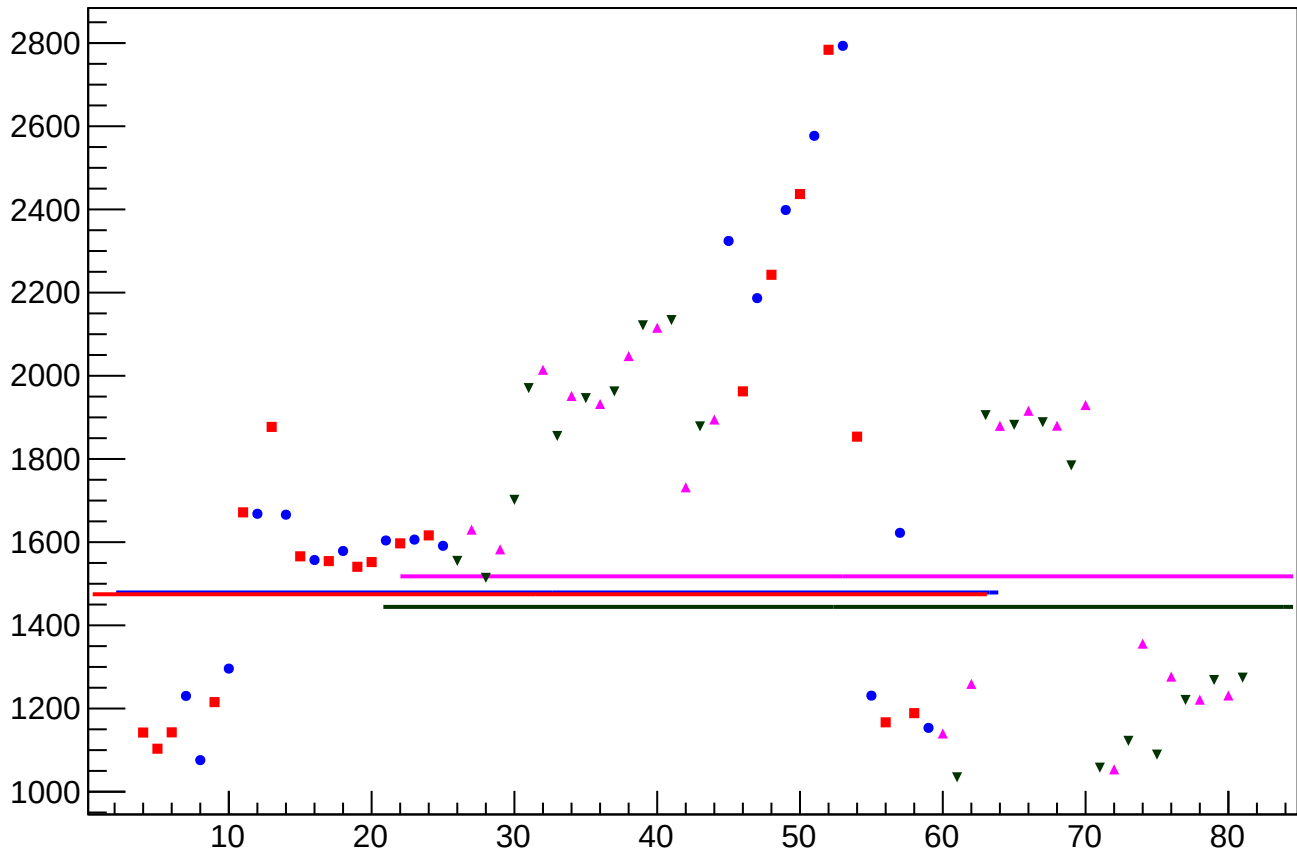
Right Out: -0.354 ± 0.483 χ^2/NDF : 13.6/18

Left In: -0.273 ± 0.467 χ^2/NDF : 13.2/19

-0.198 ± 0.322 χ^2/NDF : 29.5/38

-0.312 ± 0.336 χ^2/NDF : 26.8/38

diff_bpm16Y_rms vs slug



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

Left Out: 1444.353+/-0.320 χ^2/NDF :1323766.5/20

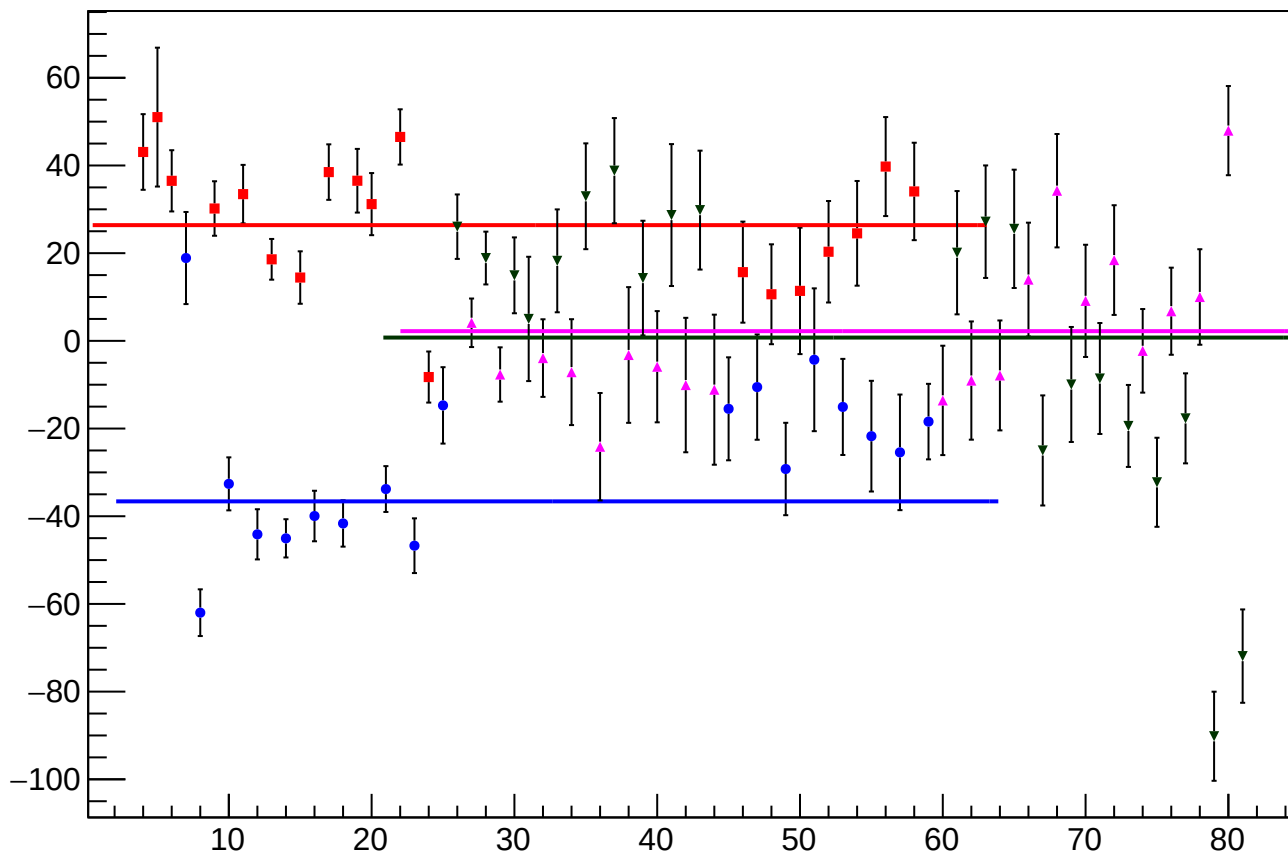
Right Out: 1474.750+/-0.342 χ^2/NDF : 1125200.2/18

Left In: 1517.814+/-0.330 χ^2/NDF :1070842.7/19

1461.459+/-0.228 χ^2/NDF : 2788905.7/38

1497.017+/-0.238 χ^2/NDF : 2204250.4/38

diff_bpm0l01X_mean vs slug



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

Left Out: 0.753 ± 2.327 χ^2/NDF : 211.8/20

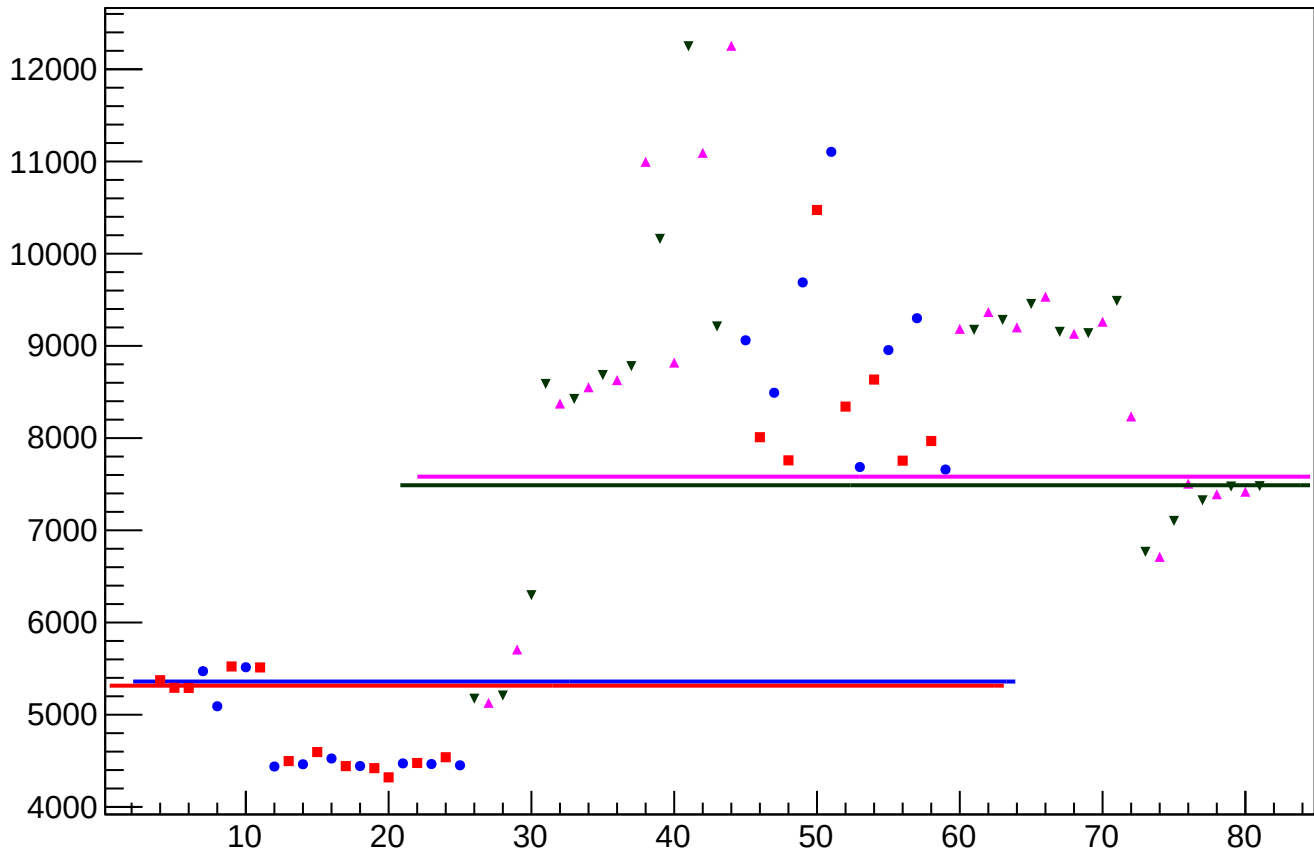
Right Out: 26.394 ± 1.742 χ^2/NDF : 74.2/18

Left In: 2.212 ± 2.325 χ^2/NDF : 43.2/19

-23.863 ± 1.359 χ^2/NDF : 471.5/38

17.701 ± 1.394 χ^2/NDF : 186.7/38

diff_bpm0l01X_rms vs slug



Right In: 5359.964 $\pm$ 1.184 χ^2 /NDF: 1859958.8/17

Left Out: 7488.706 $\pm$ 1.645 χ^2 /NDF:1121816.1/20

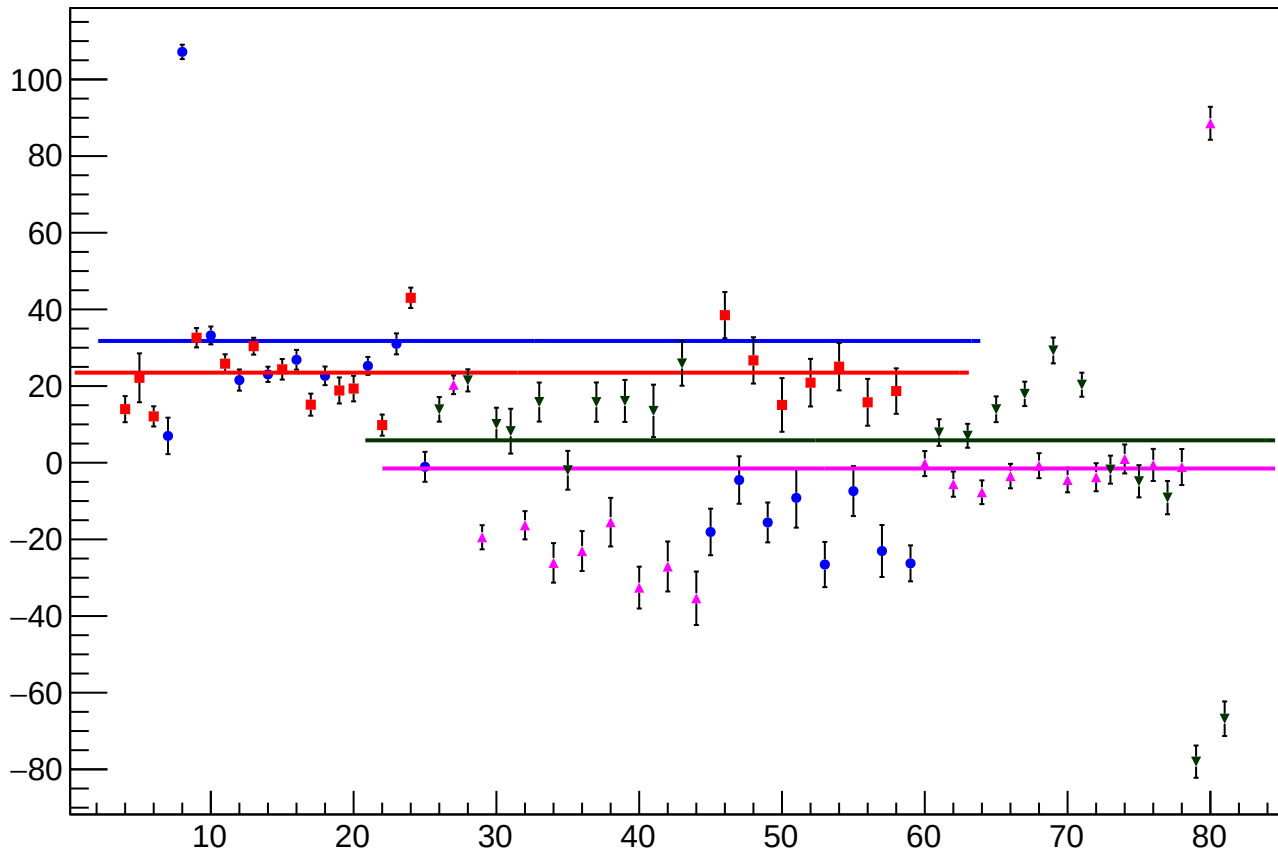
Right Out: 5315.062 $\pm$ 1.232 χ^2 /NDF: 1229938.4/18

Left In: 7581.627 $\pm$ 1.644 χ^2 /NDF:1222670.9/19

6086.126 $\pm$ 0.961 χ^2 /NDF: 4085008.9/38

6129.859 $\pm$ 0.986 χ^2 /NDF: 3669814.3/38

diff_bpm0l01Y_mean vs slug



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

Left Out: 5.839+/-0.859 χ^2/NDF : 832.3/20

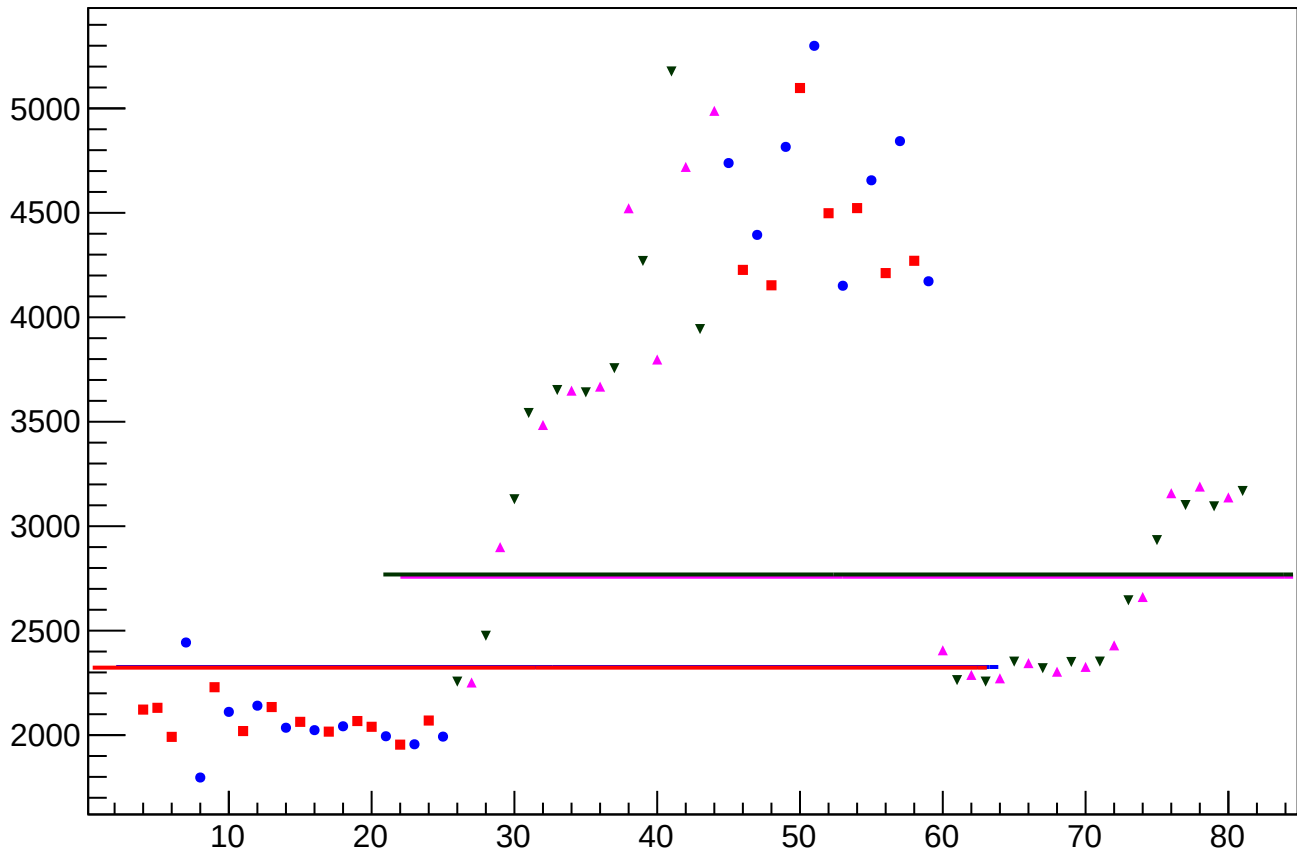
Right Out: 23.500+/-0.773 χ^2/NDF : 151.3/18

Left In: -1.509+/-0.845 χ^2/NDF : 691.3/19

20.715+/-0.561 χ^2/NDF : 3677.5/38

12.114+/-0.570 χ^2/NDF : 1319.5/38

diff_bpm0l01Y_rms vs slug



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

Left Out: 2768.877 $\pm$ 0.608 χ^2 /NDF:1071901.9/20

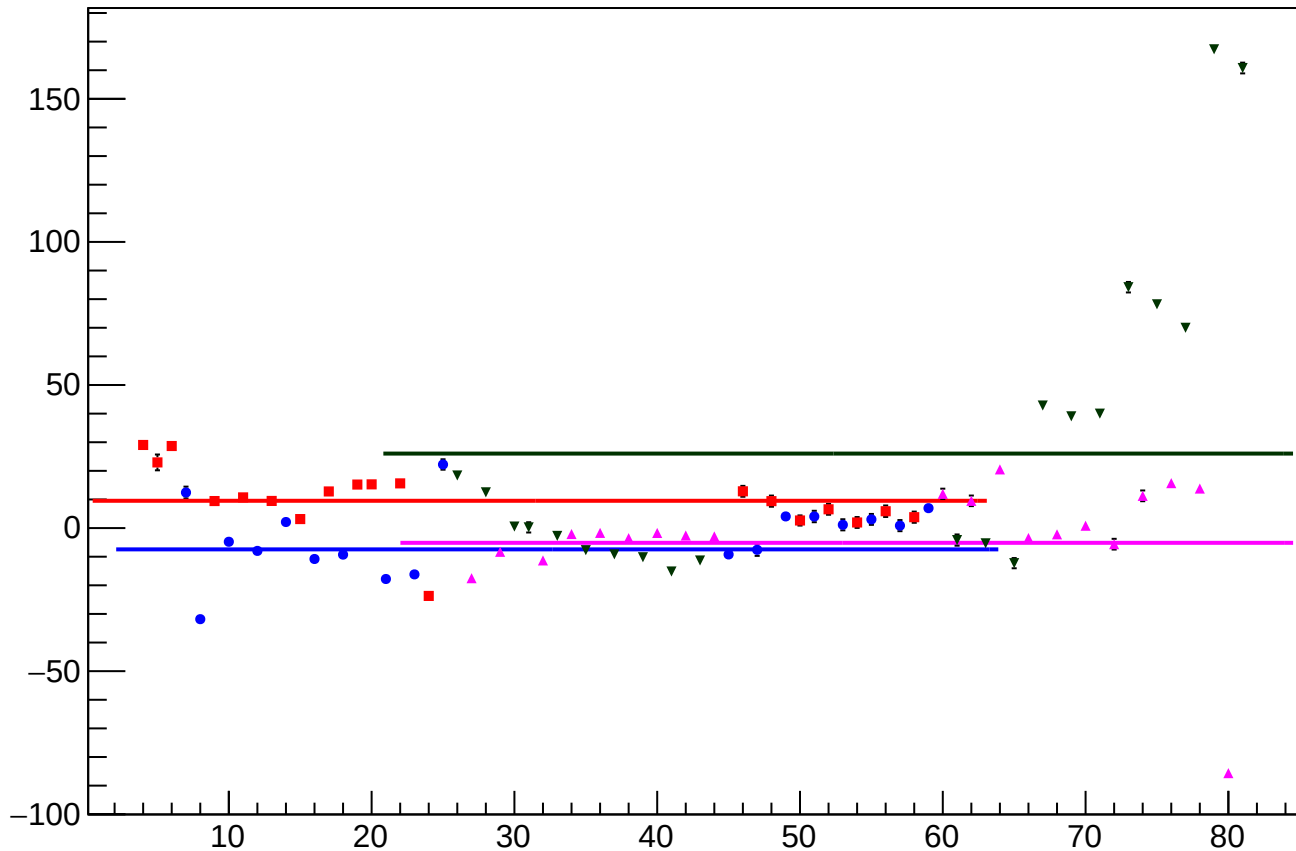
Right Out: 2322.918 $\pm$ 0.546 χ^2 /NDF: 1810759.5/18

Left In: 2758.114 $\pm$ 0.598 χ^2 /NDF:1191817.5/19

2514.830 $\pm$ 0.397 χ^2 /NDF: 4073016.1/38

2521.039 $\pm$ 0.403 χ^2 /NDF: 3291459.3/38

diff_bpm2i01X_mean vs slug



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

Left Out: 26.036 ± 0.341 χ^2/NDF : 21071.9/20

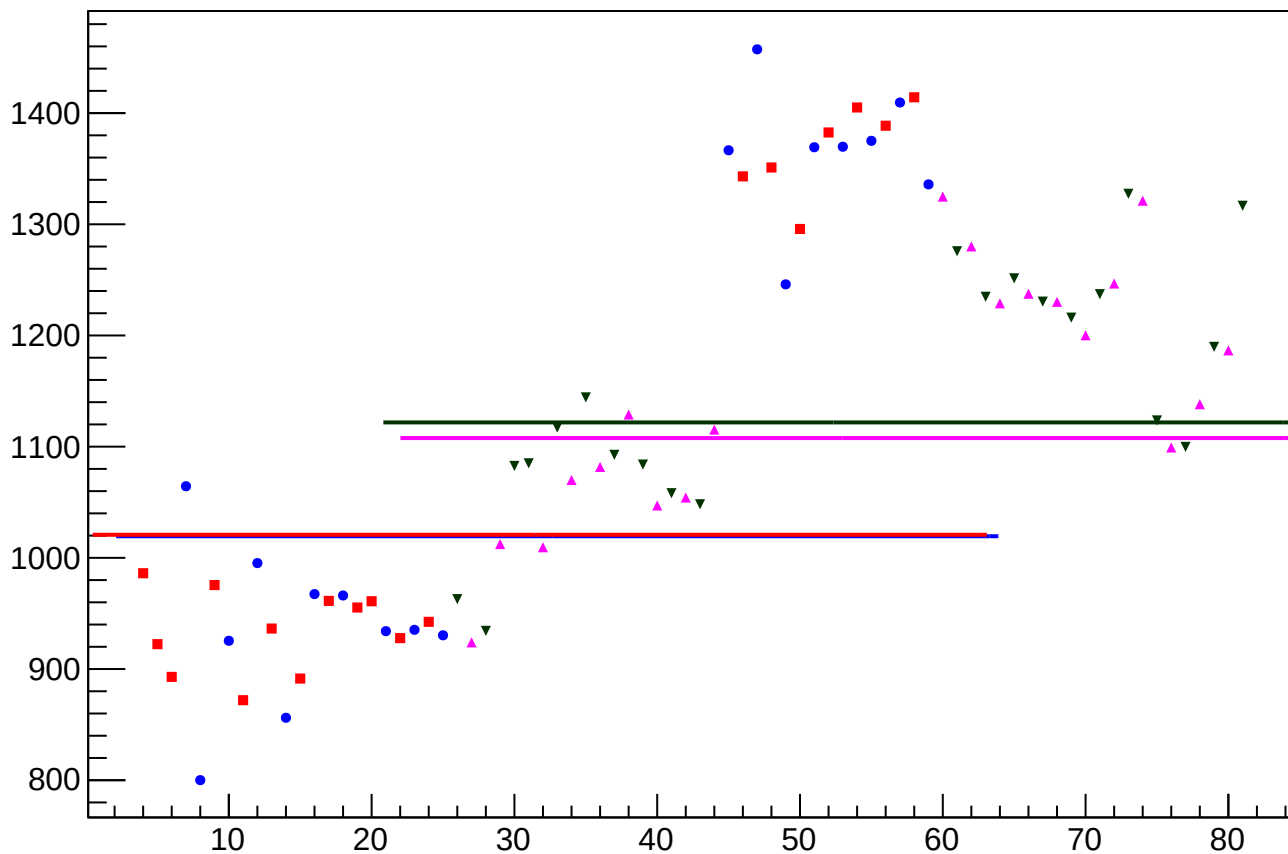
Right Out: 9.540 ± 0.328 χ^2/NDF : 1327.8/18

Left In: -5.152 ± 0.332 χ^2/NDF : 3470.4/19

7.709 ± 0.229 χ^2/NDF : 28106.1/38

2.294 ± 0.233 χ^2/NDF : 5789.9/38

diff_bpm2i01X_rms vs slug



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

Left Out: 1121.798+/-0.241 χ^2/NDF : 206593.7/20

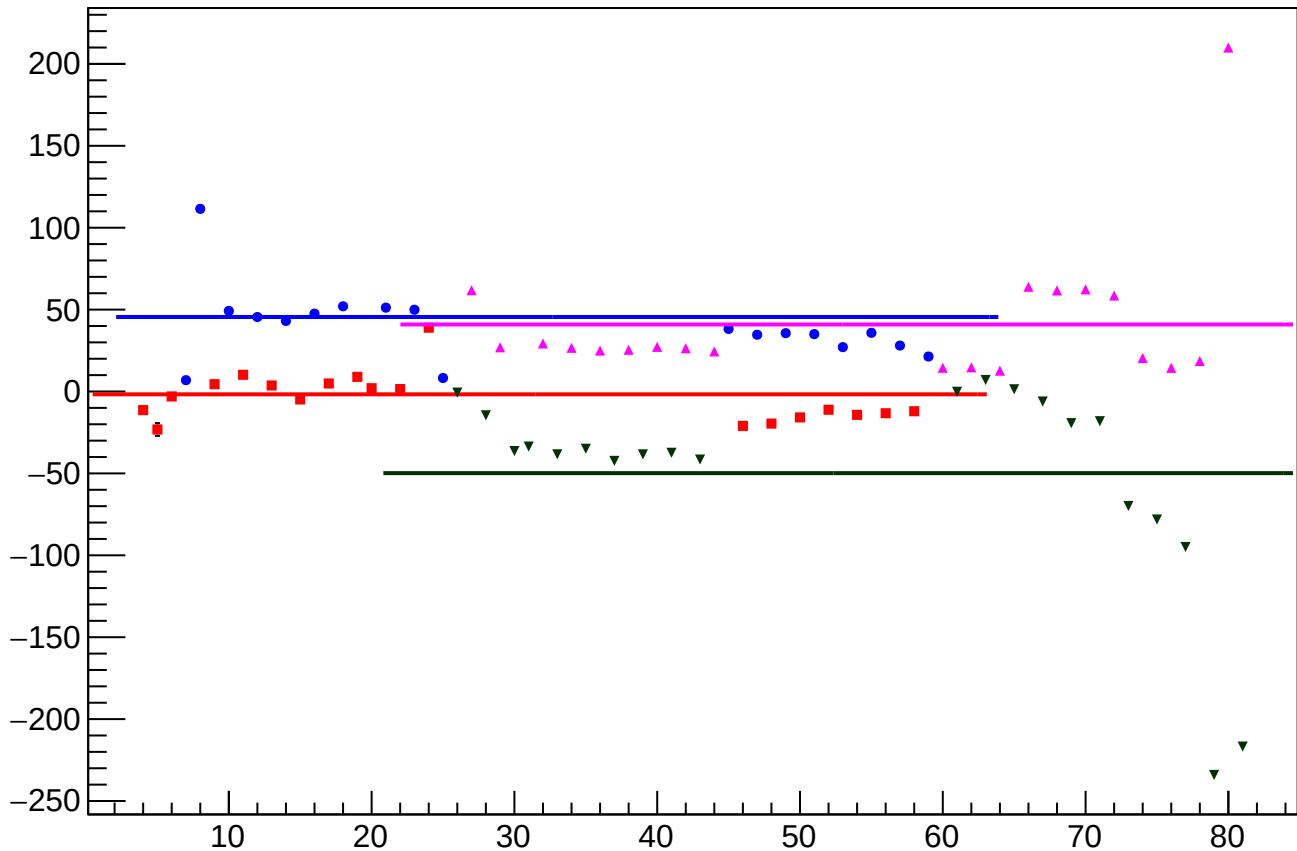
Right Out: 1020.749+/-0.232 χ^2/NDF : 605072.5/18

Left In: 1107.721+/-0.235 χ^2/NDF : 234812.7/19

1065.755+/-0.162 χ^2/NDF : 1158226.5/38

1063.644+/-0.165 χ^2/NDF : 909399.6/38

diff_bpm2i01Y_mean vs slug



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

Left Out: -49.832+/-0.388 χ^2/NDF : 24544.5/20

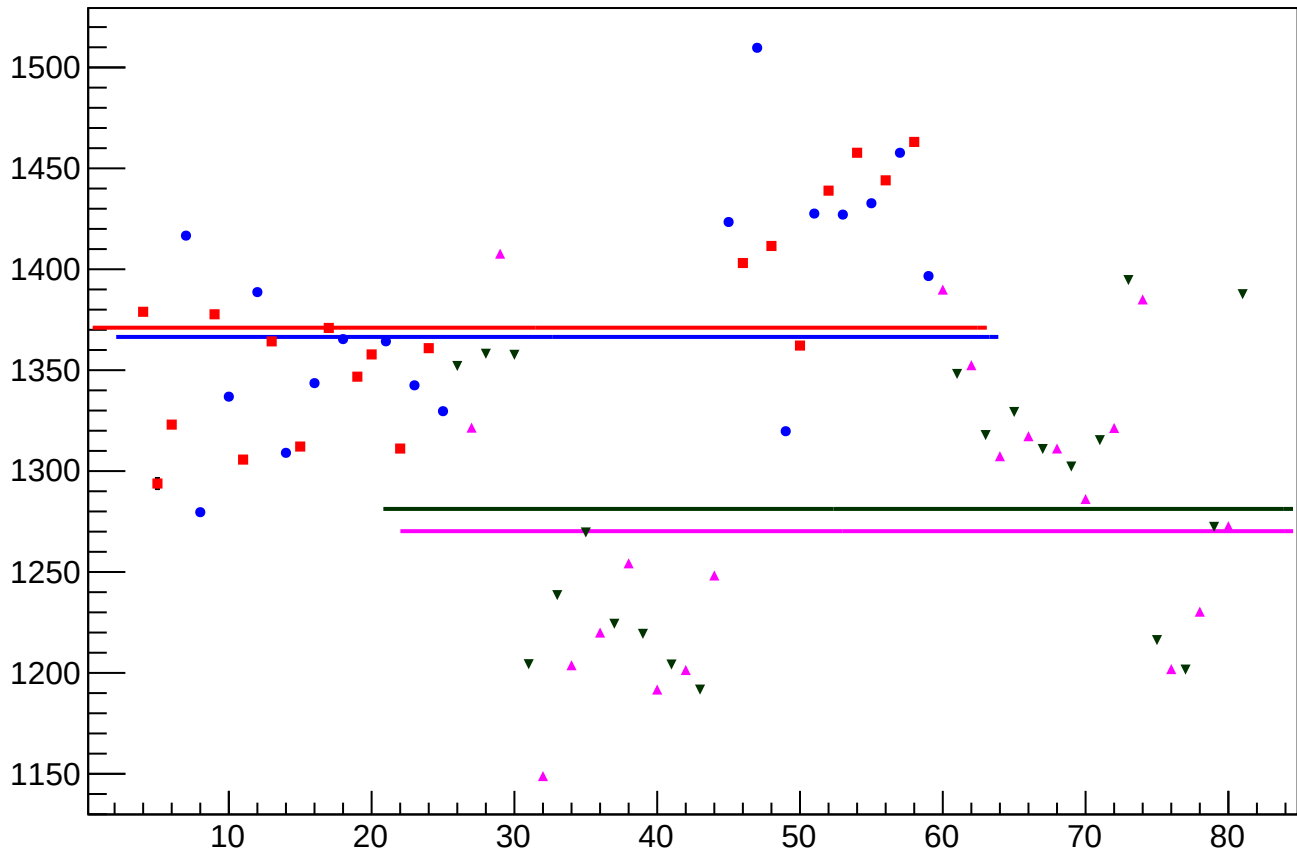
Right Out: -1.724+/-0.434 χ^2/NDF : 1071.7/18

Left In: 40.924+/-0.379 χ^2/NDF : 11901.3/19

-4.578+/-0.281 χ^2/NDF : 56630.6/38

22.455+/-0.286 χ^2/NDF : 18449.3/38

diff_bpm2i01Y_rms vs slug



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

Left Out: 1281.255 $\pm$ 0.274 χ^2 /NDF:56463.2/20

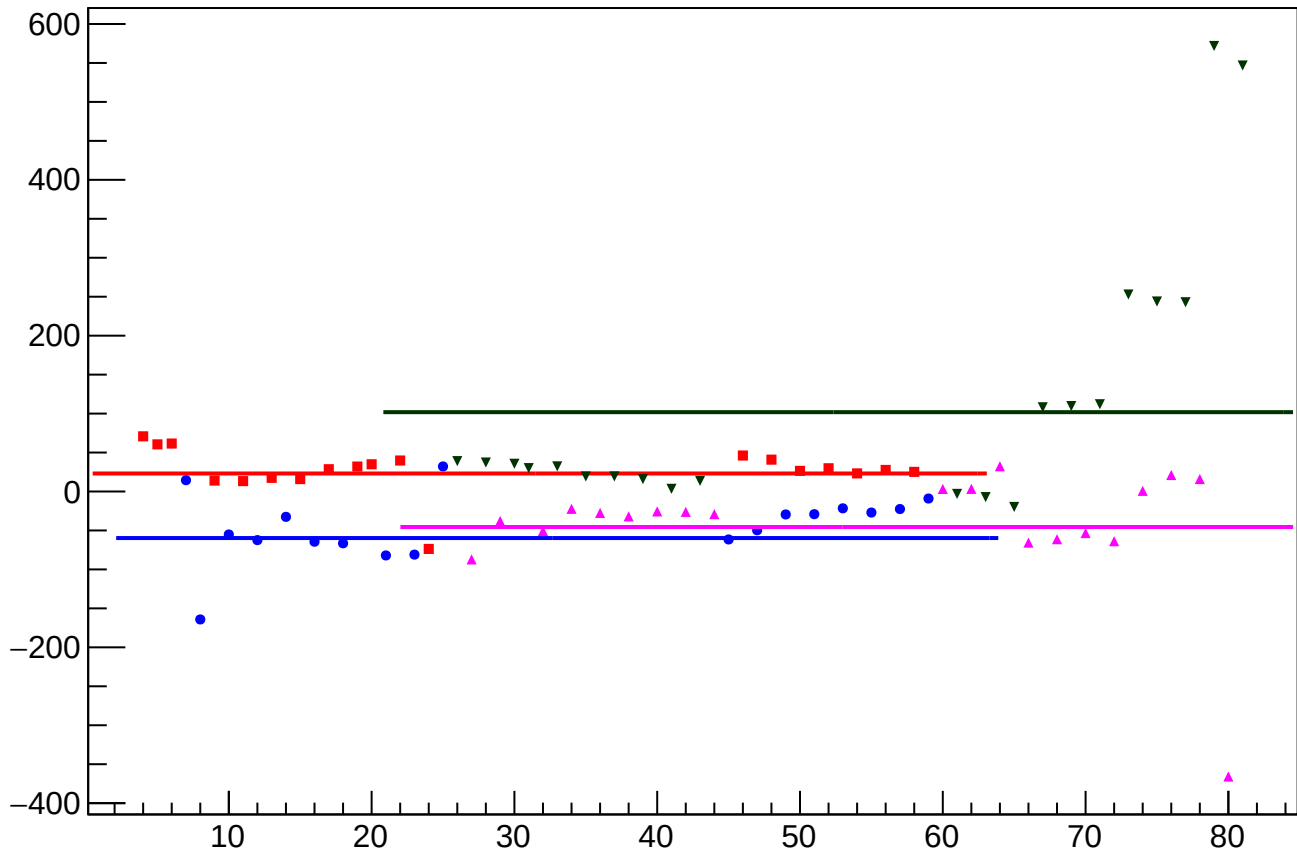
Right Out: 1371.055 $\pm$ 0.307 χ^2 /NDF: 24860.5/18

Left In: 1270.236 $\pm$ 0.268 χ^2 /NDF:79358.9/19

1321.710 $\pm$ 0.199 χ^2 /NDF: 140941.7/38

1313.896 $\pm$ 0.202 χ^2 /NDF: 165426.2/38

diff_bpm2i02X_mean vs slug



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

Left Out: 101.819 ± 0.355 $\chi^2/\text{NDF}: 190736.7/20$

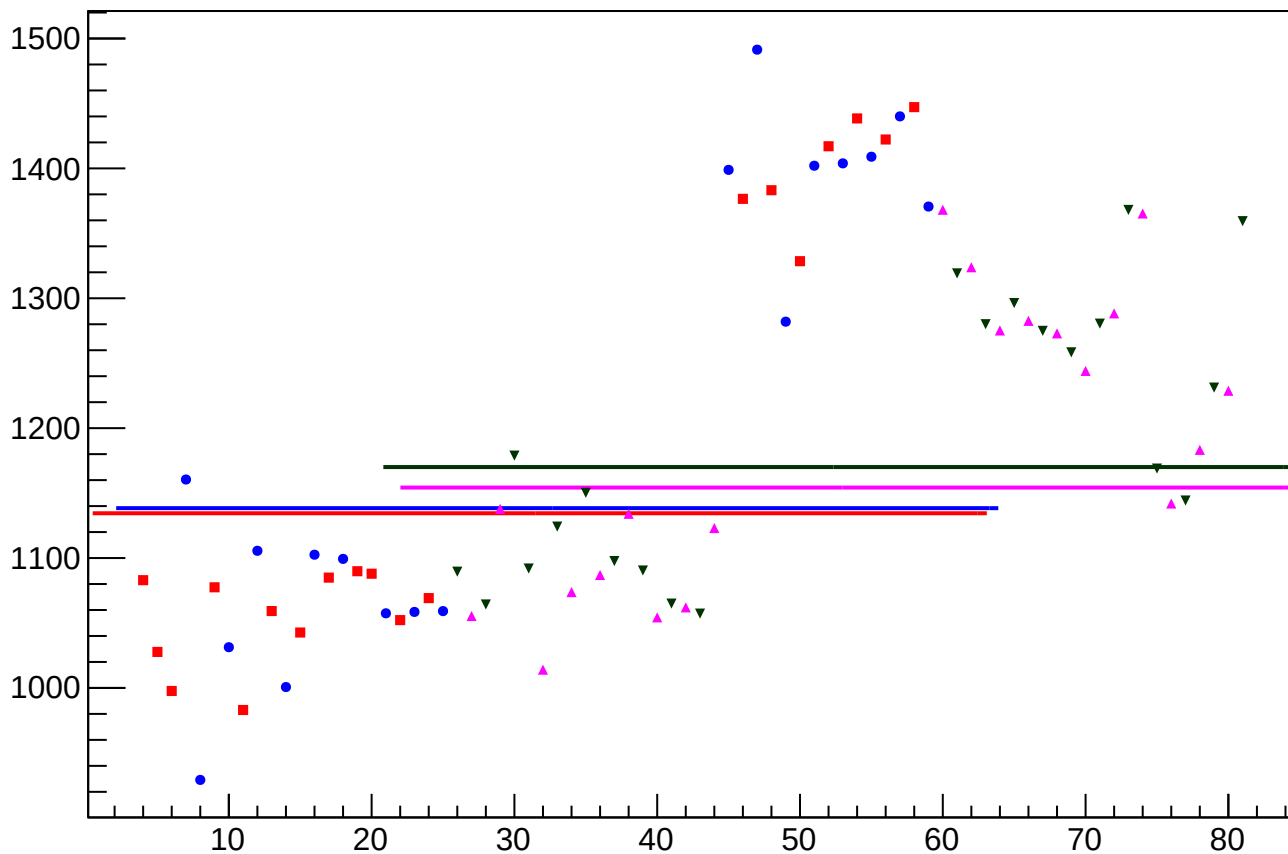
Right Out: 23.126 ± 0.362 $\chi^2/\text{NDF}: 7355.2/18$

Left In: -45.565 ± 0.346 $\chi^2/\text{NDF}: 45775.0/19$

18.292 ± 0.247 $\chi^2/\text{NDF}: 316559.6/38$

-12.785 ± 0.250 $\chi^2/\text{NDF}: 71974.5/38$

diff_bpm2i02X_rms vs slug



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

Left Out: 1170.047 $\pm$ 0.251 χ^2 /NDF:151438.9/20

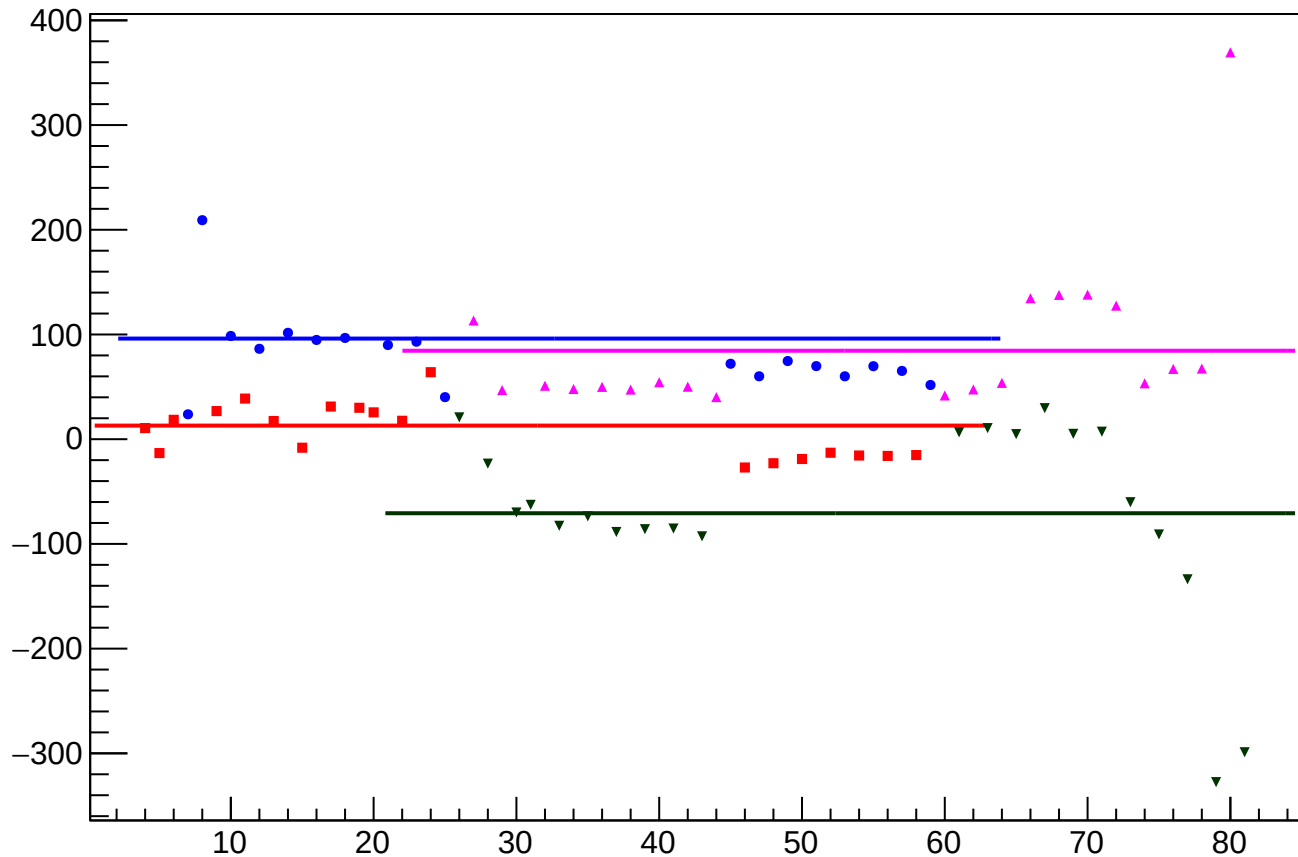
Right Out: 1134.479 $\pm$ 0.256 χ^2 /NDF: 360721.2/18

Left In: 1154.267 $\pm$ 0.244 χ^2 /NDF:191377.3/19

1153.691 $\pm$ 0.174 χ^2 /NDF: 647725.3/38

1144.824 $\pm$ 0.177 χ^2 /NDF: 555226.2/38

diff_bpm2i02Y_mean vs slug



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

Left Out: -70.701 $\pm$ 0.349 χ^2 /NDF: 62151.7/20

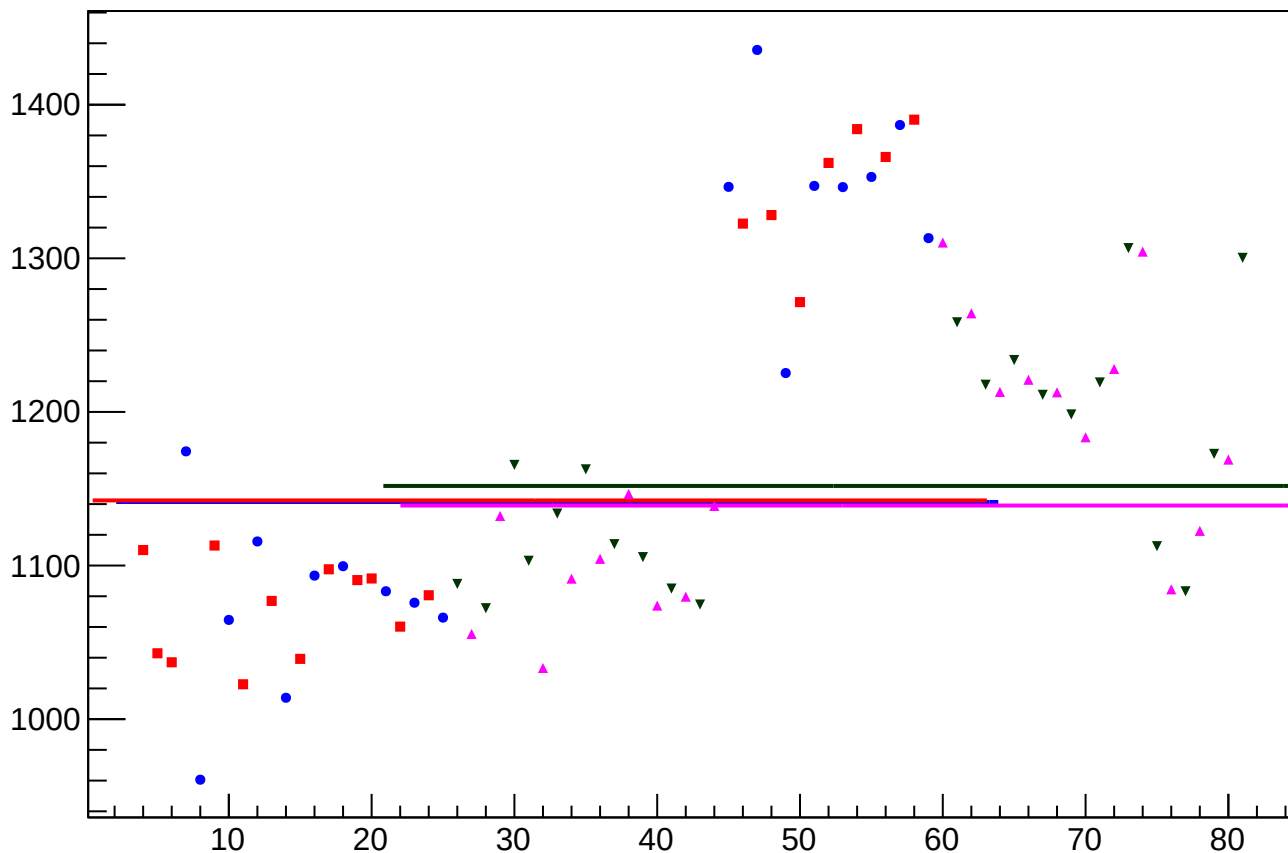
Right Out: 12.992 $\pm$ 0.363 χ^2 /NDF: 4541.3/18

Left In: 84.480 $\pm$ 0.340 χ^2 /NDF: 42645.7/19

14.152 $\pm$ 0.245 χ^2 /NDF: 195526.0/38

51.055 $\pm$ 0.248 χ^2 /NDF: 67807.4/38

diff_bpm2i02Y_rms vs slug



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

Left Out: 1151.819 $\pm$ 0.247 χ^2 /NDF: 80178.8/20

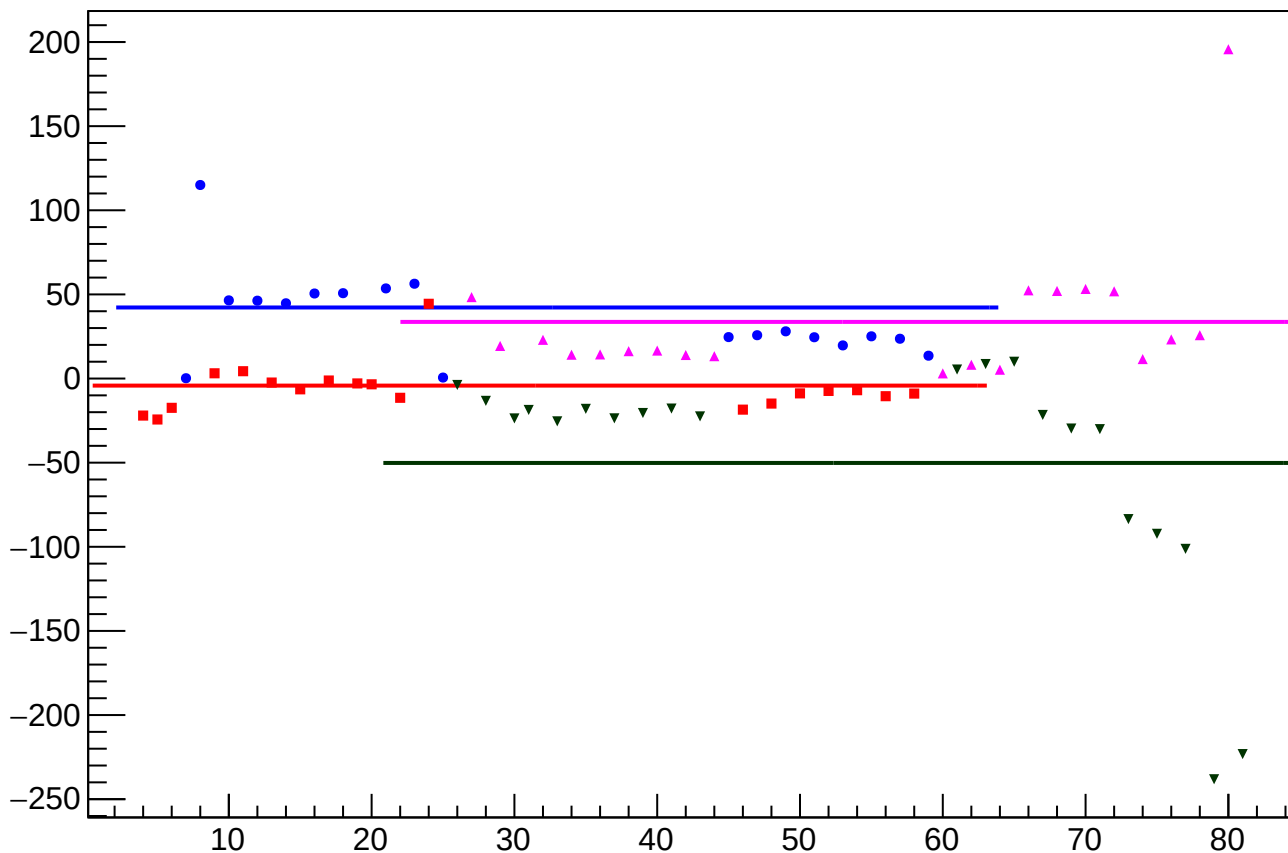
Right Out: 1142.390 $\pm$ 0.257 χ^2 /NDF: 236212.3/18

Left In: 1139.066 $\pm$ 0.241 χ^2 /NDF: 105381.7/19

1146.508 $\pm$ 0.173 χ^2 /NDF: 410396.1/38

1140.620 $\pm$ 0.176 χ^2 /NDF: 341683.1/38

diff_bpm1i04X_mean vs slug



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

Left Out: -50.164 $\pm$ 0.219 χ^2 /NDF: 96360.8/20

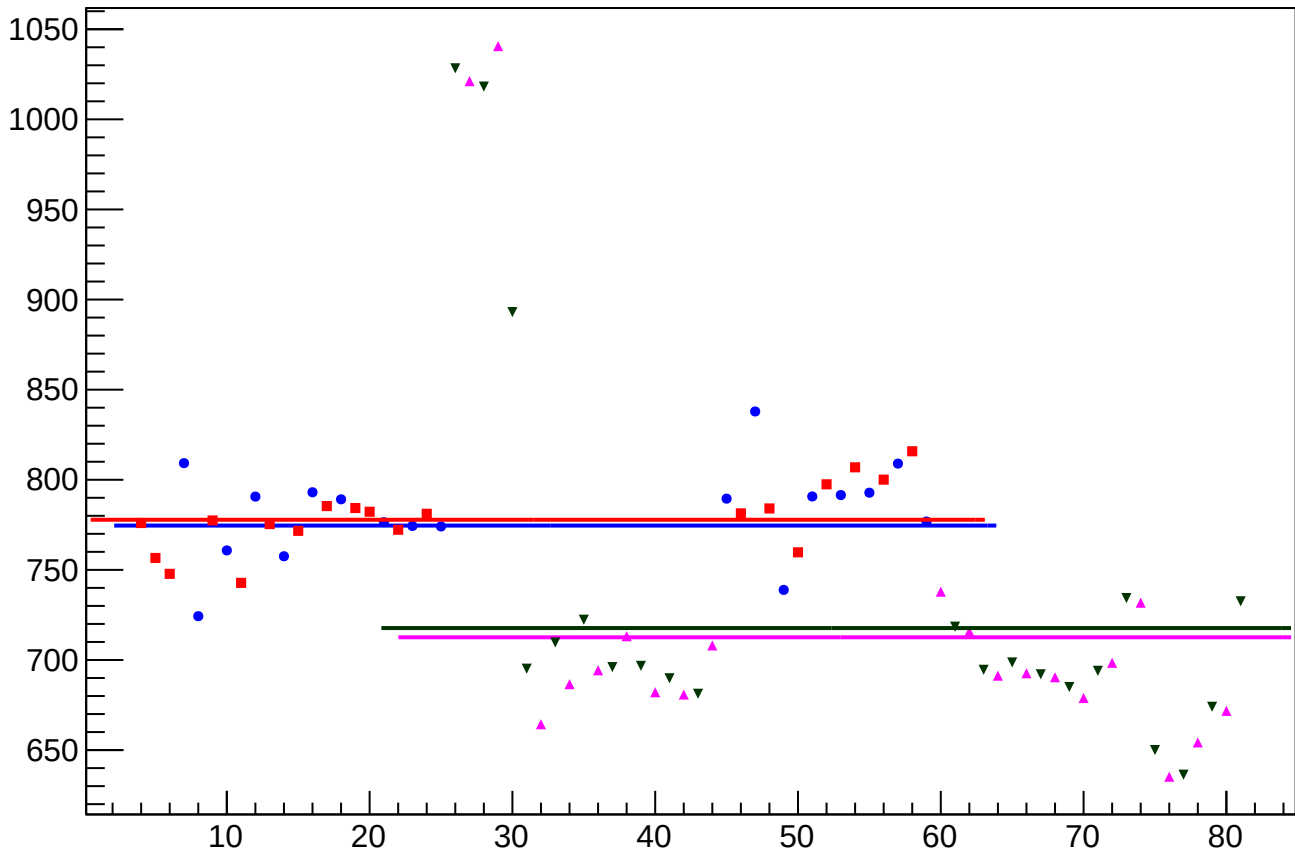
Right Out: -4.198 $\pm$ 0.246 χ^2 /NDF: 3378.3/18

Left In: 33.663 $\pm$ 0.214 χ^2 /NDF: 38350.0/19

-6.491 $\pm$ 0.159 χ^2 /NDF: 195102.1/38

17.326 $\pm$ 0.161 χ^2 /NDF: 55218.8/38

diff_bpm1i04X_rms vs slug



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

Left Out: 717.715+/-0.155 χ^2/NDF : 308483.9/20

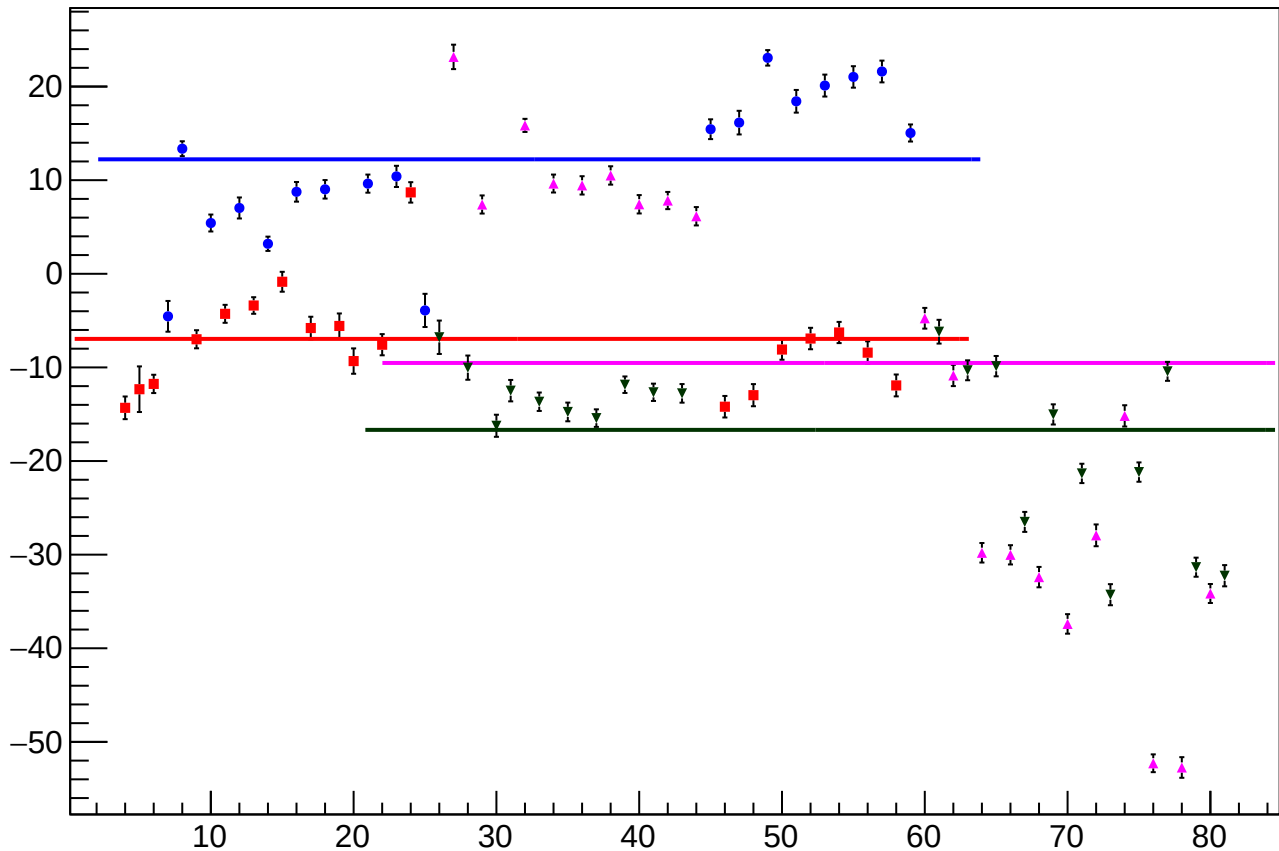
744.594+/-0.112 χ^2/NDF : 398823.9/38

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

740.737+/-0.114 χ^2/NDF : 468805.2/38

Left In: 712.591+/-0.151 χ^2/NDF : 377547.2/19

diff_bpm1i04Y_mean vs slug



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

Left Out: -16.672+/-0.232 χ^2/NDF : 1097.4/20

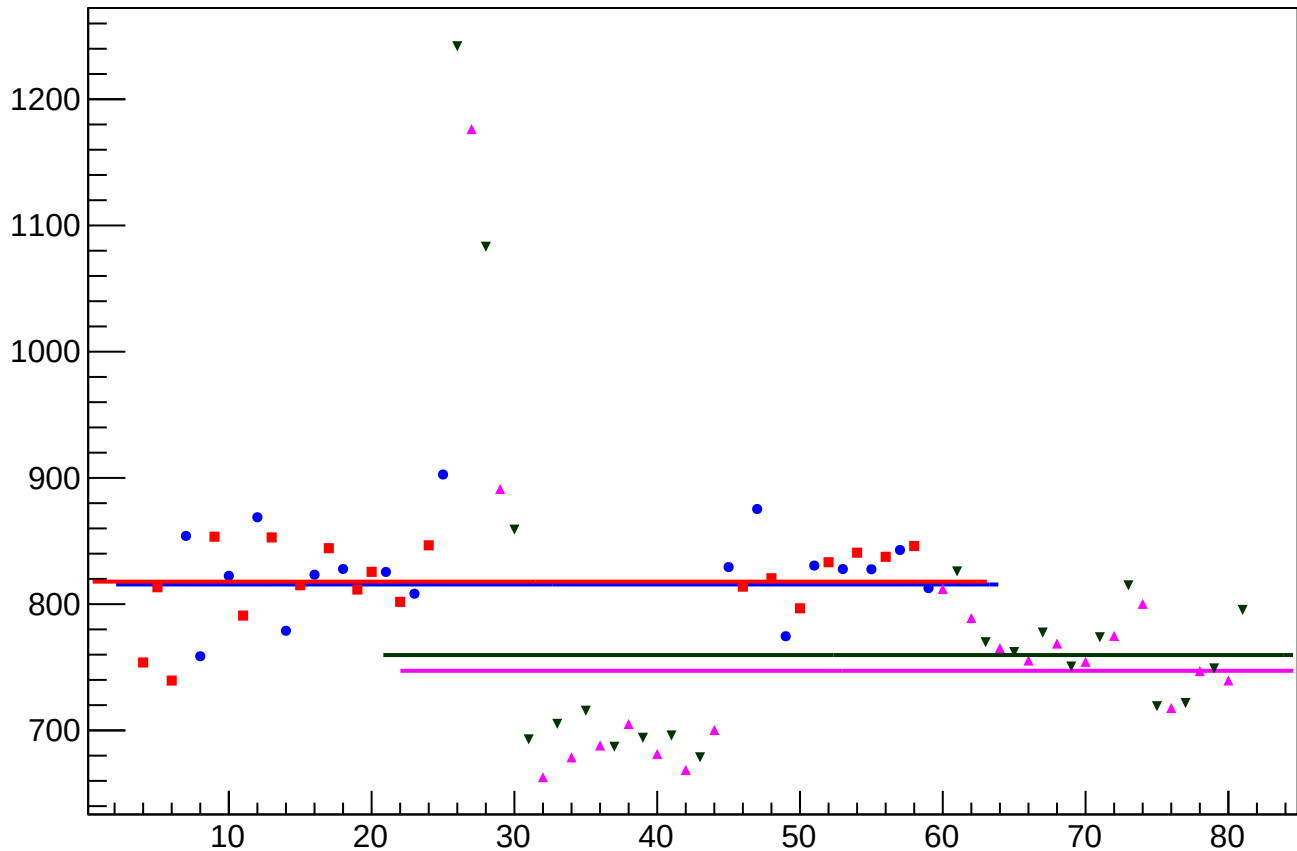
Right Out: -6.954+/-0.259 χ^2/NDF : 420.8/18

Left In: -9.524+/-0.225 χ^2/NDF : 10722.1/19

-2.892+/-0.168 χ^2/NDF : 9298.8/38

-8.419+/-0.170 χ^2/NDF : 11198.9/38

diff_bpm1i04Y_rms vs slug



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

Left Out: 759.690+/-0.164 χ^2/NDF : 367849.7/20

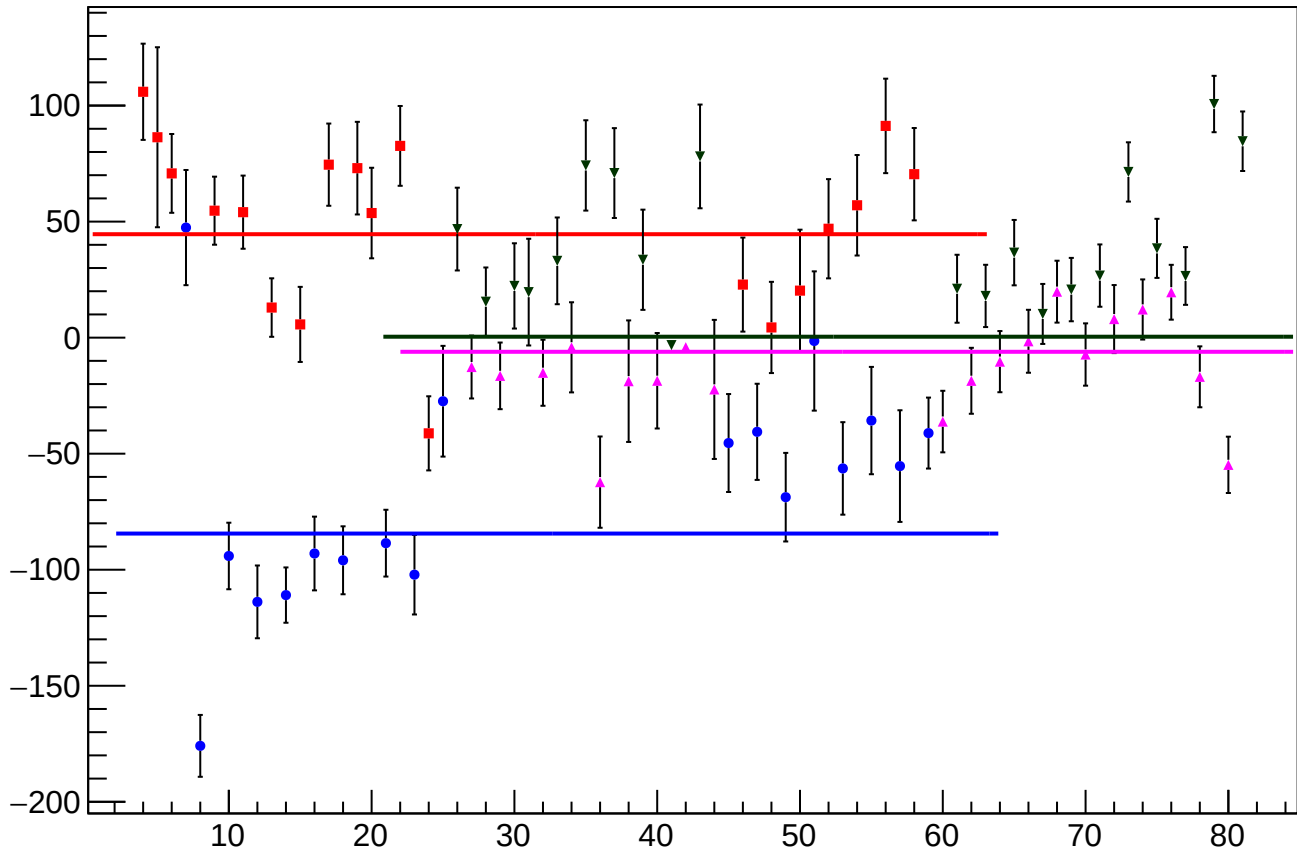
Right Out: 817.840+/-0.183 χ^2/NDF : 32410.2/18

Left In: 747.195+/-0.159 χ^2/NDF : 357468.6/19

786.337+/-0.119 χ^2/NDF : 460606.4/38

777.571+/-0.120 χ^2/NDF : 474661.1/38

diff_bpm0l02X_mean vs slug



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

Left Out: 0.404 ± 0.944 χ^2/NDF : 241.1/20

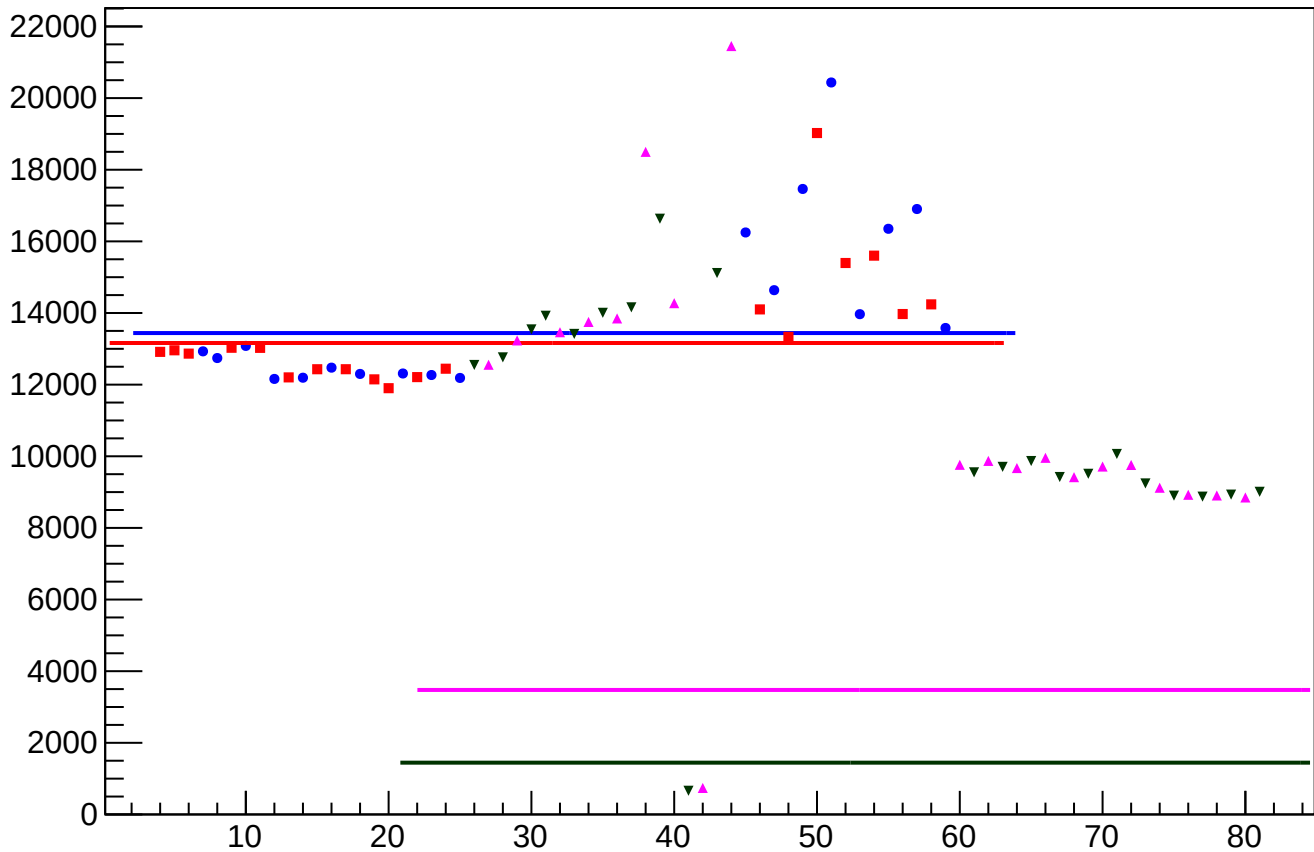
Right Out: 44.573 ± 4.203 χ^2/NDF : 77.6/18

Left In: -6.093 ± 1.756 χ^2/NDF : 45.5/19

-3.944 ± 0.919 χ^2/NDF : 779.3/38

1.439 ± 1.620 χ^2/NDF : 246.8/38

diff_bpm0l02X_rms vs slug



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

Left Out: 1446.022+/-0.667 χ^2/NDF :16902988.8/20

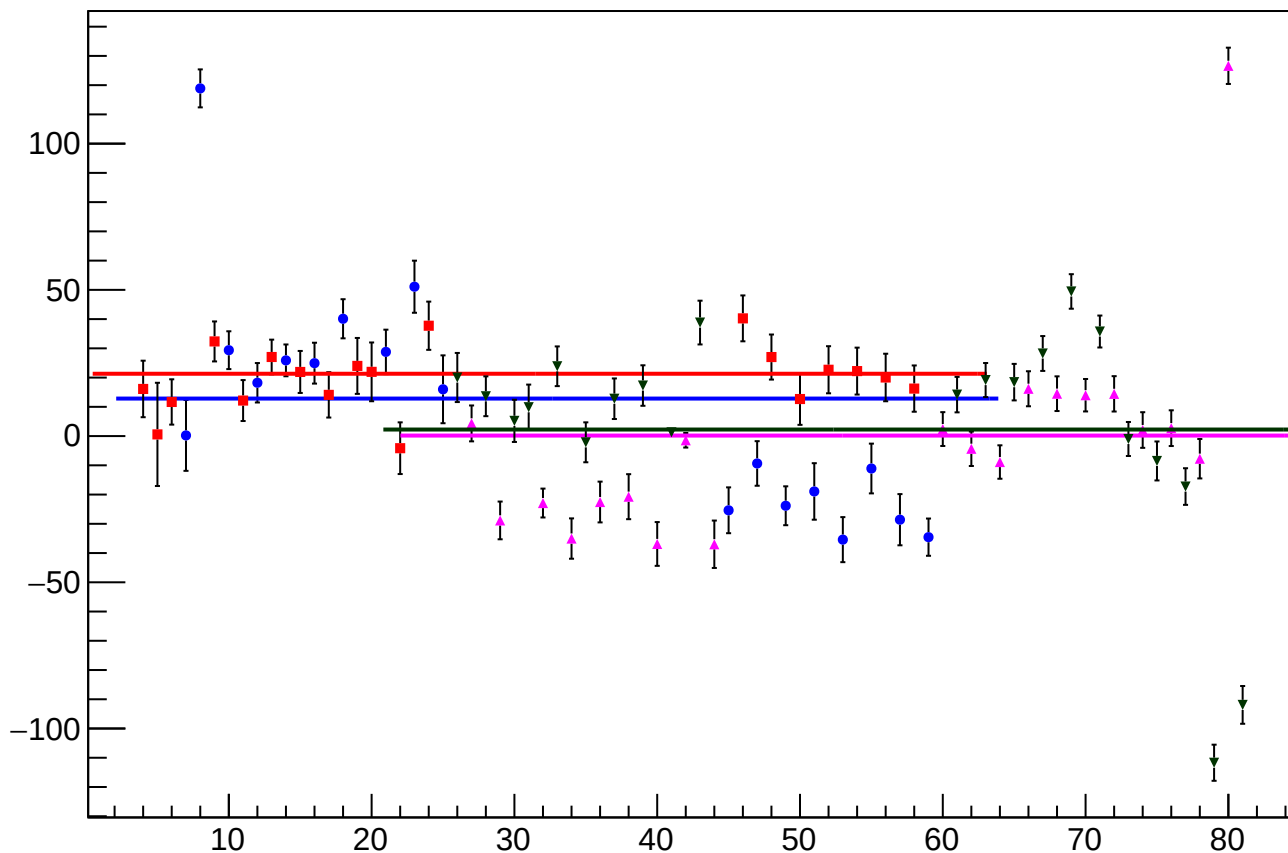
Right Out: 13162.769+/-2.972 χ^2/NDF : 204436.9/18

Left In: 3476.021+/-1.242 χ^2/NDF :13865832.7/19

2060.966+/-0.650 χ^2/NDF : 33867557.0/38

4916.203+/-1.146 χ^2/NDF : 23115992.4/38

diff_bpm0l02Y_mean vs slug



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

Left Out: 2.240 $\pm$ 0.945 χ^2 /NDF: 755.9/20

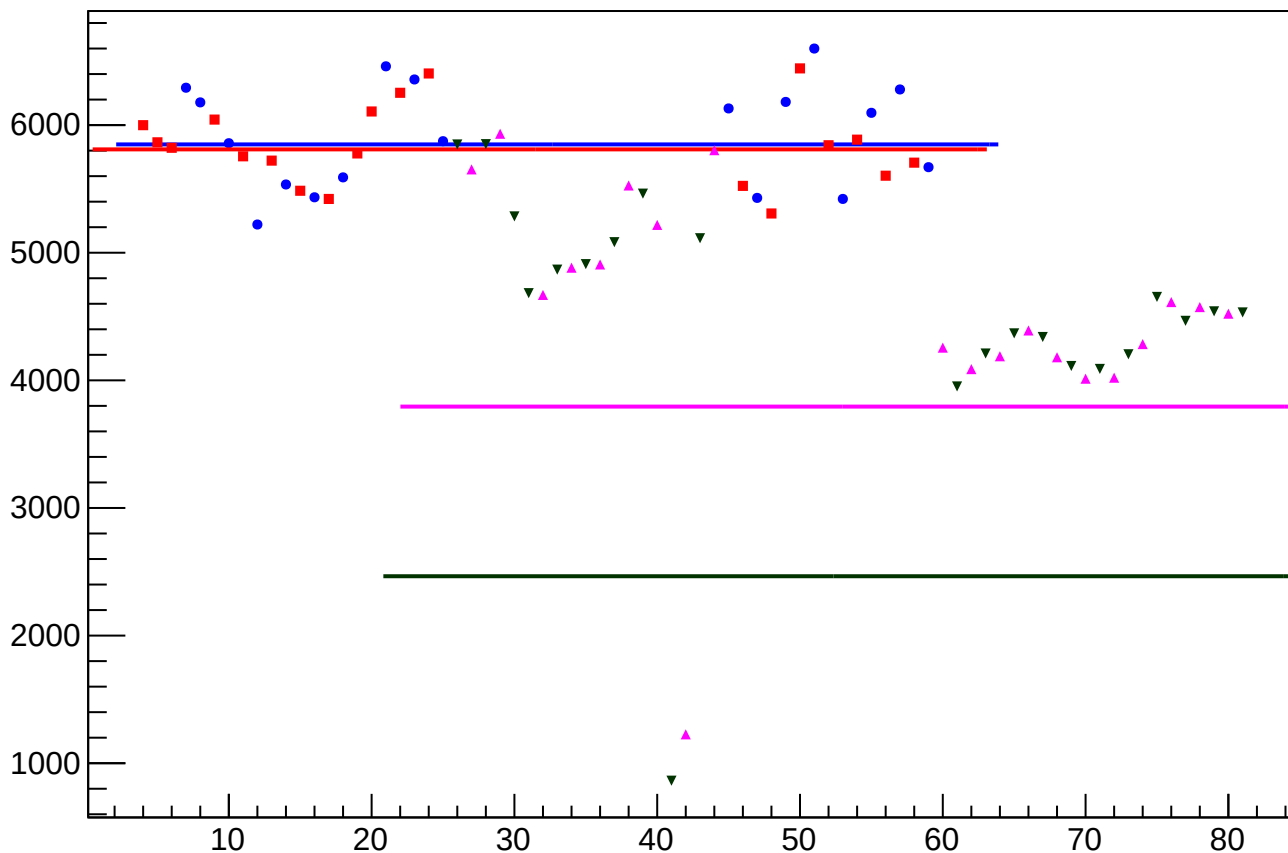
Right Out: 21.314 $\pm$ 1.847 χ^2 /NDF: 29.5/18

Left In: 0.175 $\pm$ 1.239 χ^2 /NDF: 577.6/19

4.626 $\pm$ 0.832 χ^2 /NDF: 1305.9/38

6.734 $\pm$ 1.029 χ^2 /NDF: 697.5/38

diff_bpm0l02Y_rms vs slug



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

Left Out: 2465.098+/-0.668 χ^2/NDF : 8058957.1/20

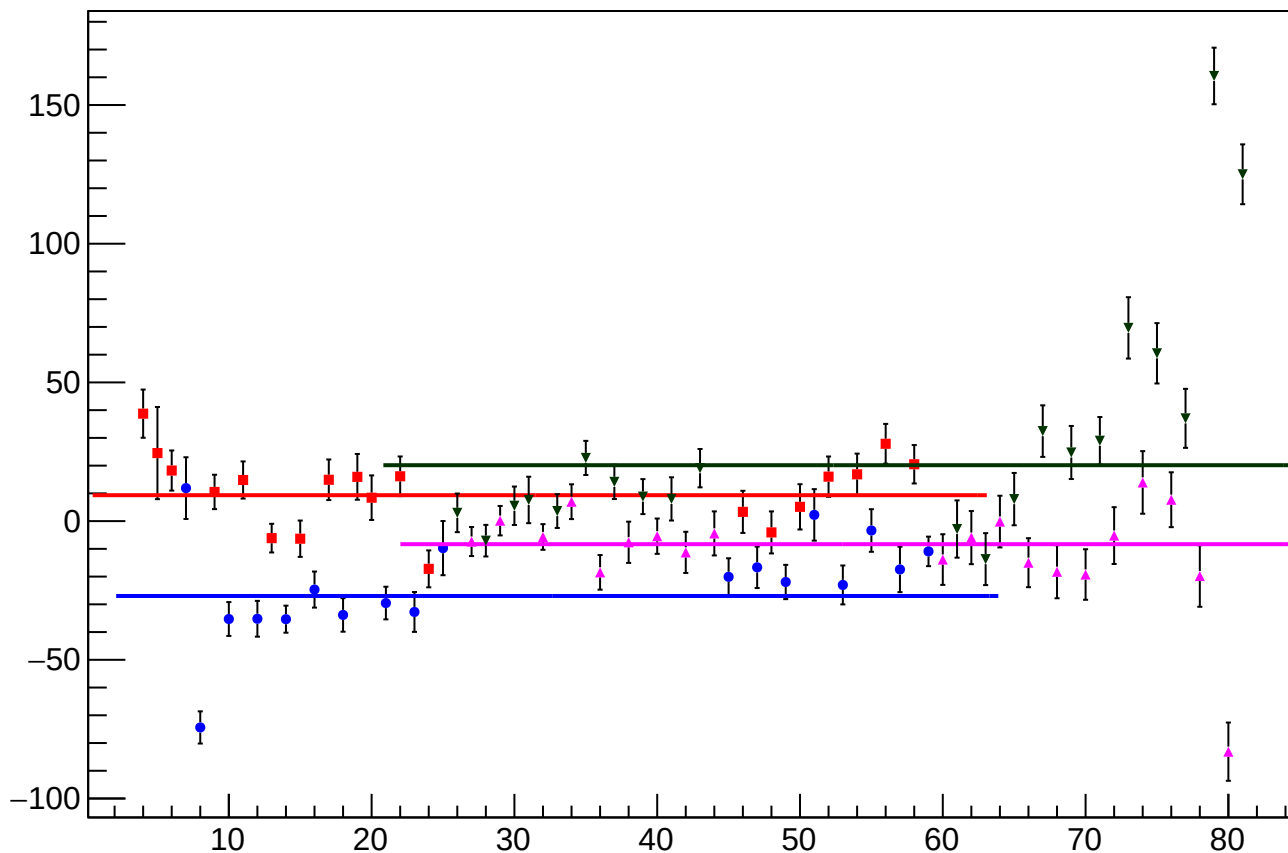
Right Out: 5809.767+/-1.306 χ^2/NDF : 53321.4/18

Left In: 3794.355+/-0.876 χ^2/NDF : 3155418.9/19

3227.797+/-0.588 χ^2/NDF : 13935771.3/38

4419.693+/-0.727 χ^2/NDF : 4851226.7/38

diff_bpm0l03X_mean vs slug



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

Left Out: 20.156 ± 1.714 $\chi^2/\text{NDF}: 392.6/20$

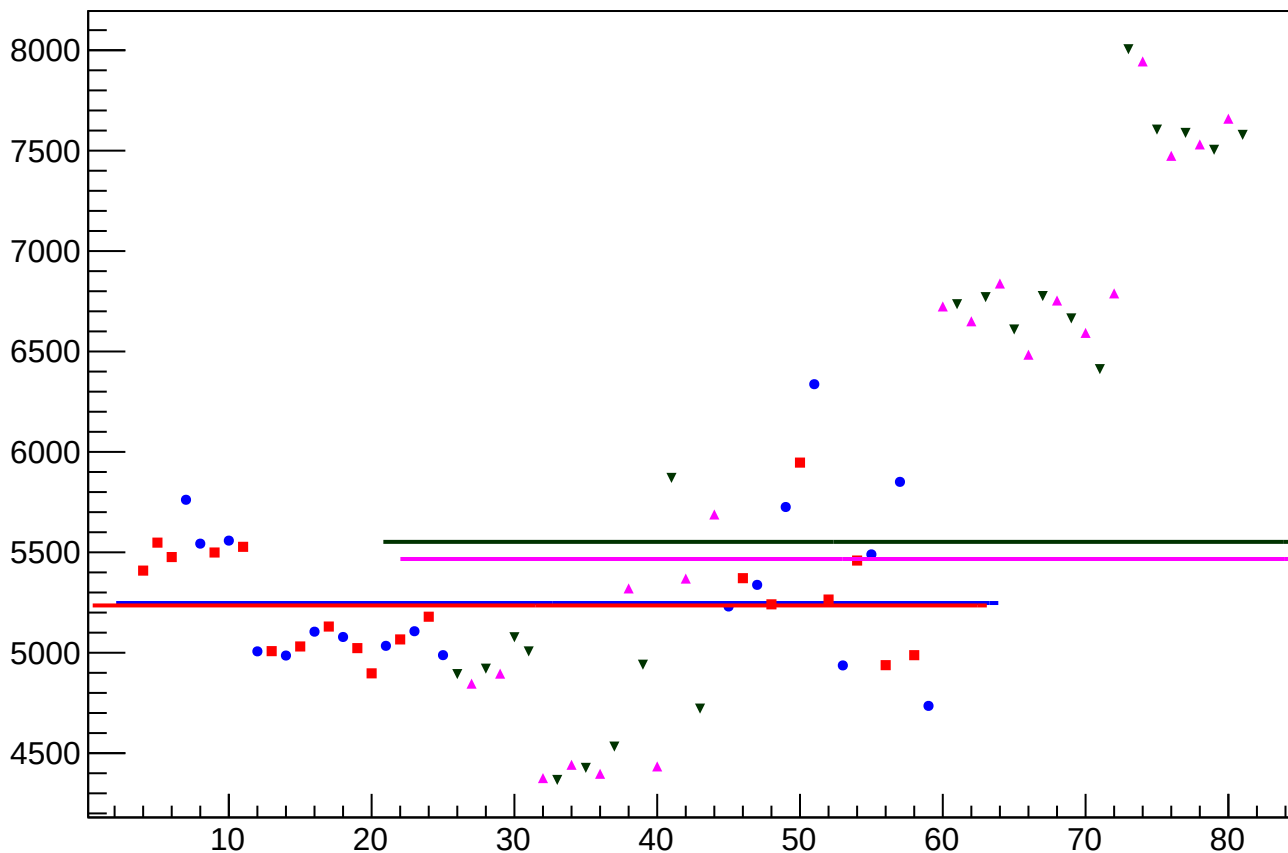
Right Out: 9.337 ± 1.659 $\chi^2/\text{NDF}: 62.4/18$

Left In: -8.316 ± 1.663 $\chi^2/\text{NDF}: 74.8/19$

-5.485 ± 1.157 $\chi^2/\text{NDF}: 928.7/38$

0.529 ± 1.175 $\chi^2/\text{NDF}: 193.7/38$

diff_bpm0l03X_rms vs slug



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

Left Out: 5552.075+/-1.212 χ^2/NDF : 862242.8/20

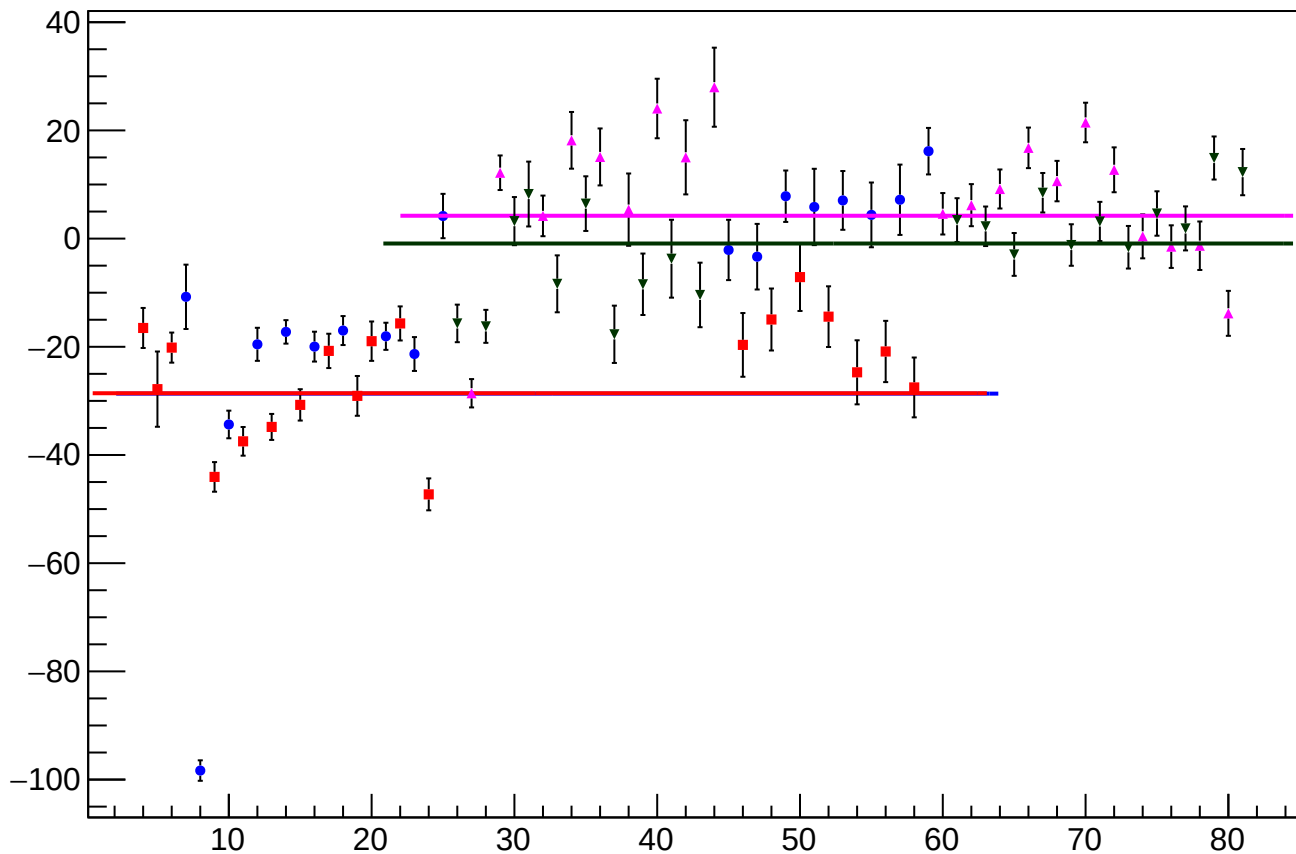
Right Out: 5235.469+/-1.173 χ^2/NDF : 47165.0/18

Left In: 5466.766+/-1.176 χ^2/NDF : 903565.3/19

5386.463+/-0.818 χ^2/NDF : 1002213.6/38

5350.875+/-0.831 χ^2/NDF : 970115.8/38

diff_bpm0l03Y_mean vs slug



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

Left Out: -0.908 ± 0.921 χ^2/NDF : 102.8/20

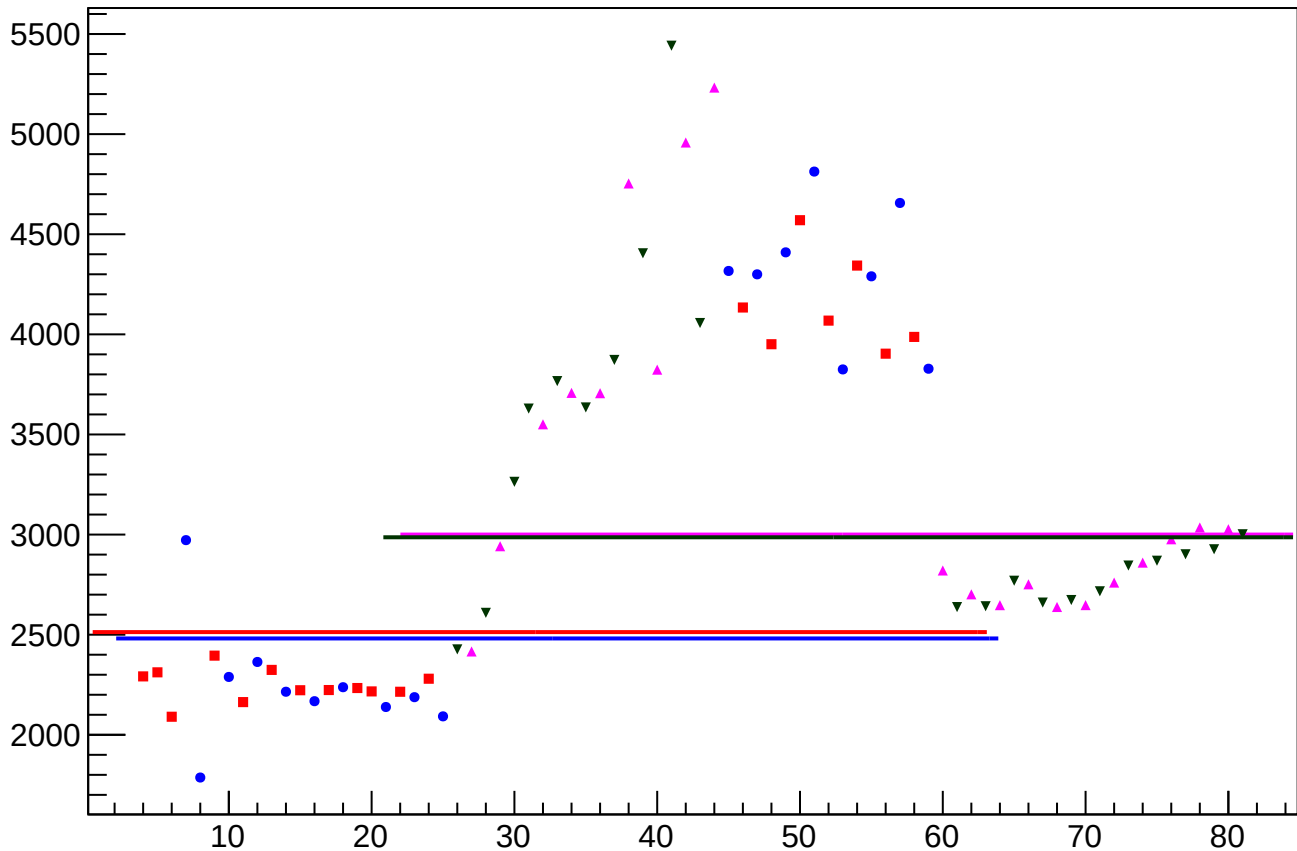
Right Out: -28.584 ± 0.826 χ^2/NDF : 168.7/18

Left In: 4.225 ± 0.912 χ^2/NDF : 266.4/19

-17.028 ± 0.596 χ^2/NDF : 2488.0/38

-13.794 ± 0.612 χ^2/NDF : 1145.6/38

diff_bpm0l03Y_rms vs slug



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

Left Out: 2986.491+/-0.651 χ^2/NDF : 752713.8/20

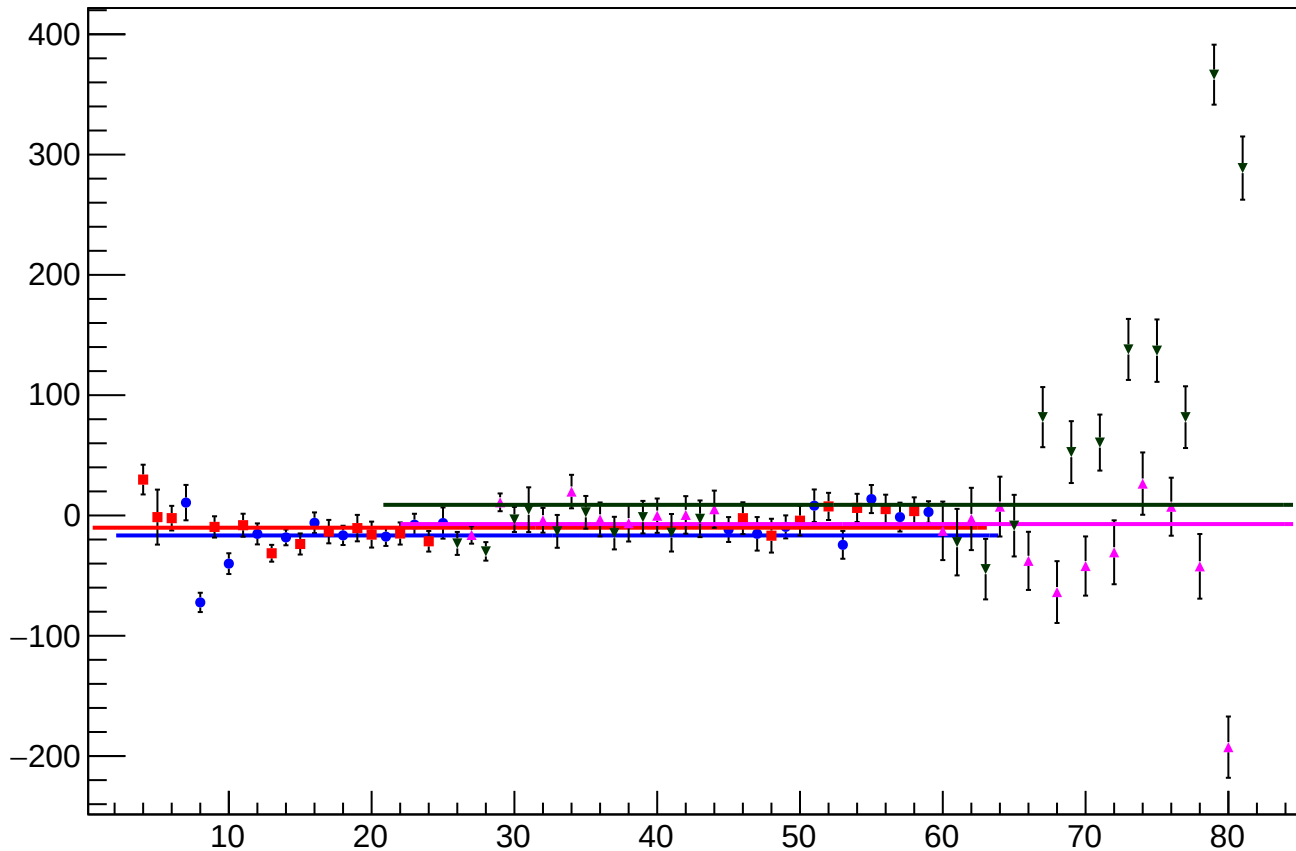
2692.947+/-0.421 χ^2/NDF : 3214980.4/38

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

2732.498+/-0.433 χ^2/NDF : 2450207.3/38

Left In: 2999.997+/-0.645 χ^2/NDF : 838446.5/19

diff_bpm0l04X_mean vs slug



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

Left Out: 8.836 ± 3.390 χ^2/NDF : 447.3/20

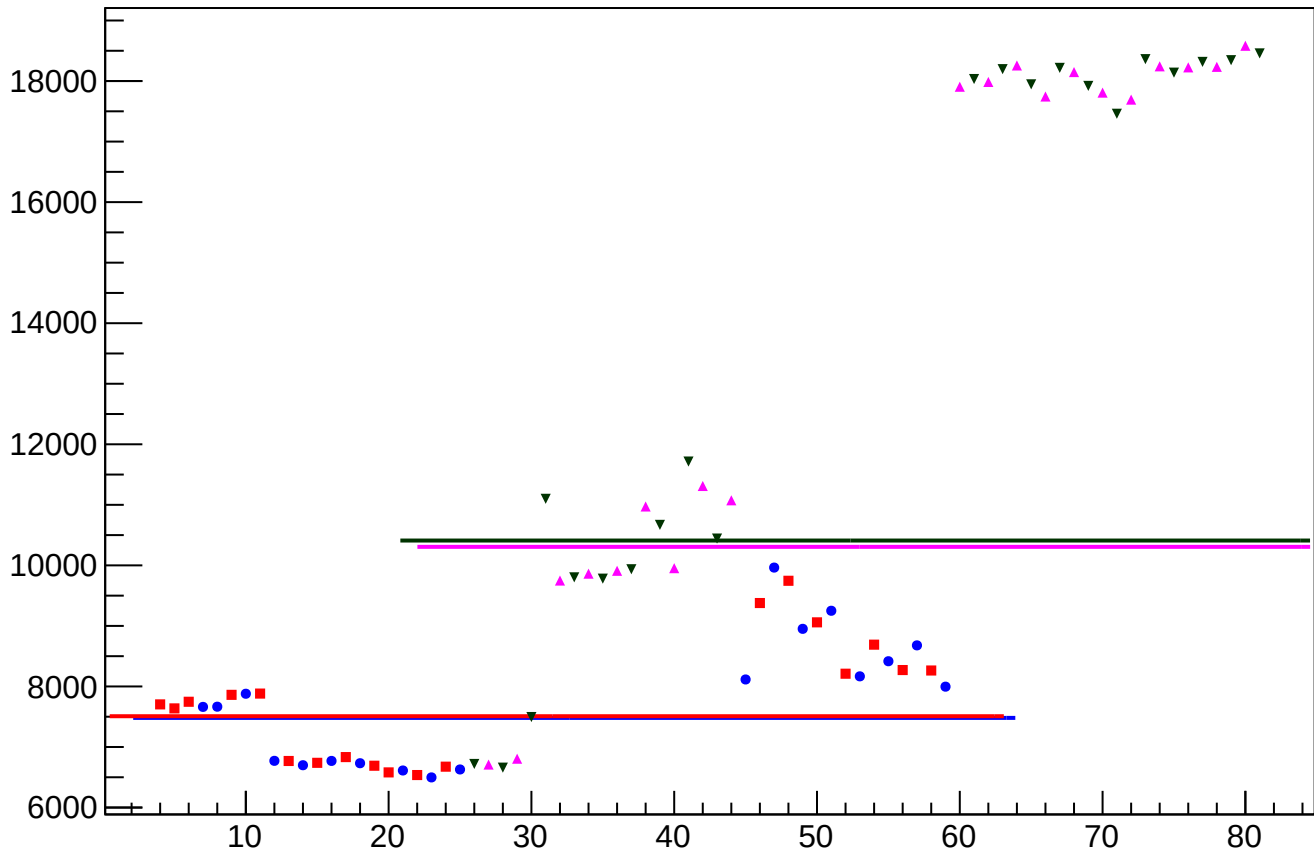
Right Out: -10.172 ± 2.389 χ^2/NDF : 33.7/18

Left In: -7.148 ± 3.301 χ^2/NDF : 79.0/19

-8.870 ± 1.870 χ^2/NDF : 566.4/38

-9.132 ± 1.935 χ^2/NDF : 113.2/38

diff_bpm0l04X_rms vs slug



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

Left Out: 10410.234+/-2.397 χ^2/NDF : 2977594.5/20

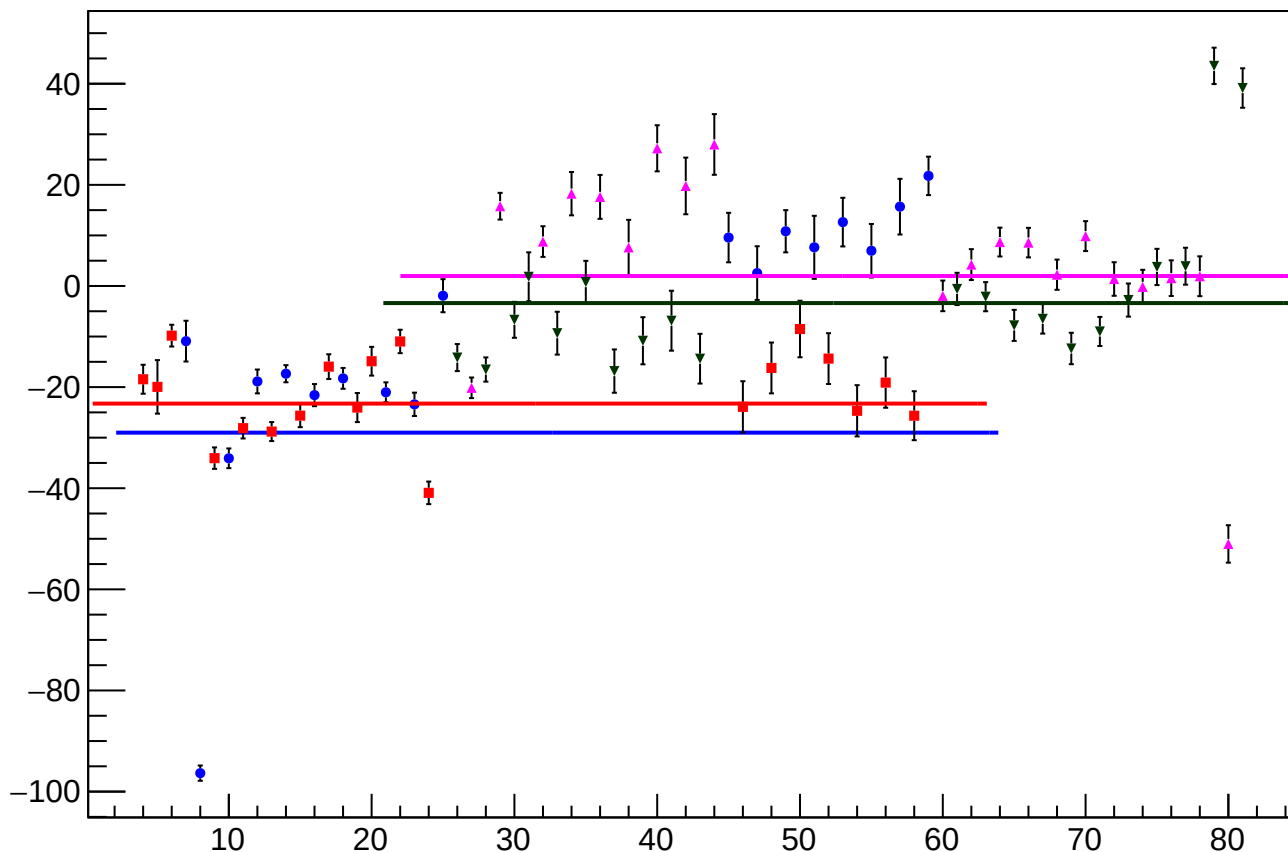
Right Out: 7508.240+/-1.689 χ^2/NDF : 289453.4/18

Left In: 10305.953+/-2.334 χ^2/NDF : 3051202.2/19

8371.928+/-1.322 χ^2/NDF : 4351506.5/38

8470.045+/-1.368 χ^2/NDF : 4283579.2/38

diff_bpm0l04Y_mean vs slug



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

Left Out: -3.380±/0.751 χ^2/NDF : 382.1/20

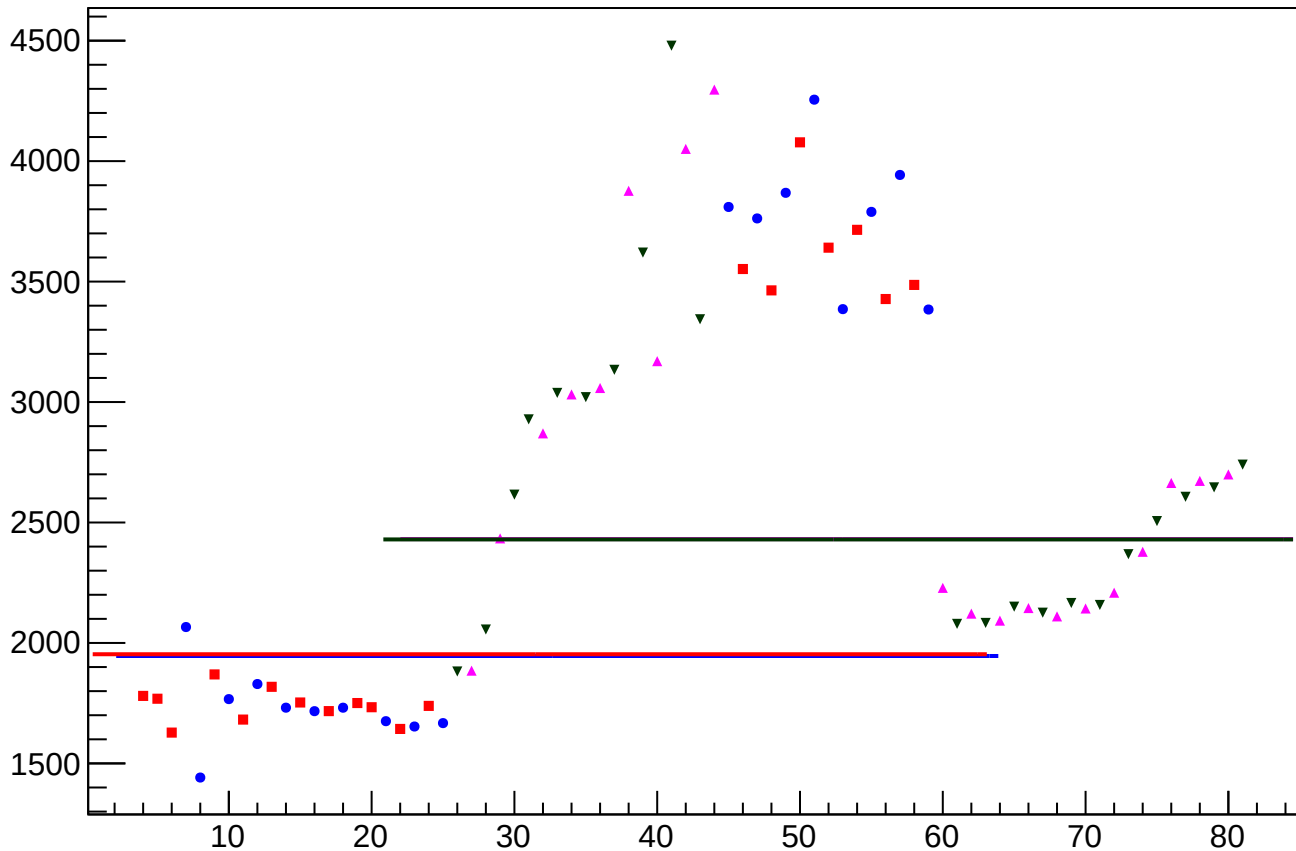
Right Out: -23.263±/0.648 χ^2/NDF : 204.8/18

Left In: 1.968±/0.741 χ^2/NDF : 463.5/19

-18.651±/0.477 χ^2/NDF : 3868.3/38

-12.334±/0.488 χ^2/NDF : 1325.1/38

diff_bpm0l04Y_rms vs slug



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

Left Out: 2429.721+/-0.531 χ^2/NDF : 882950.8/20

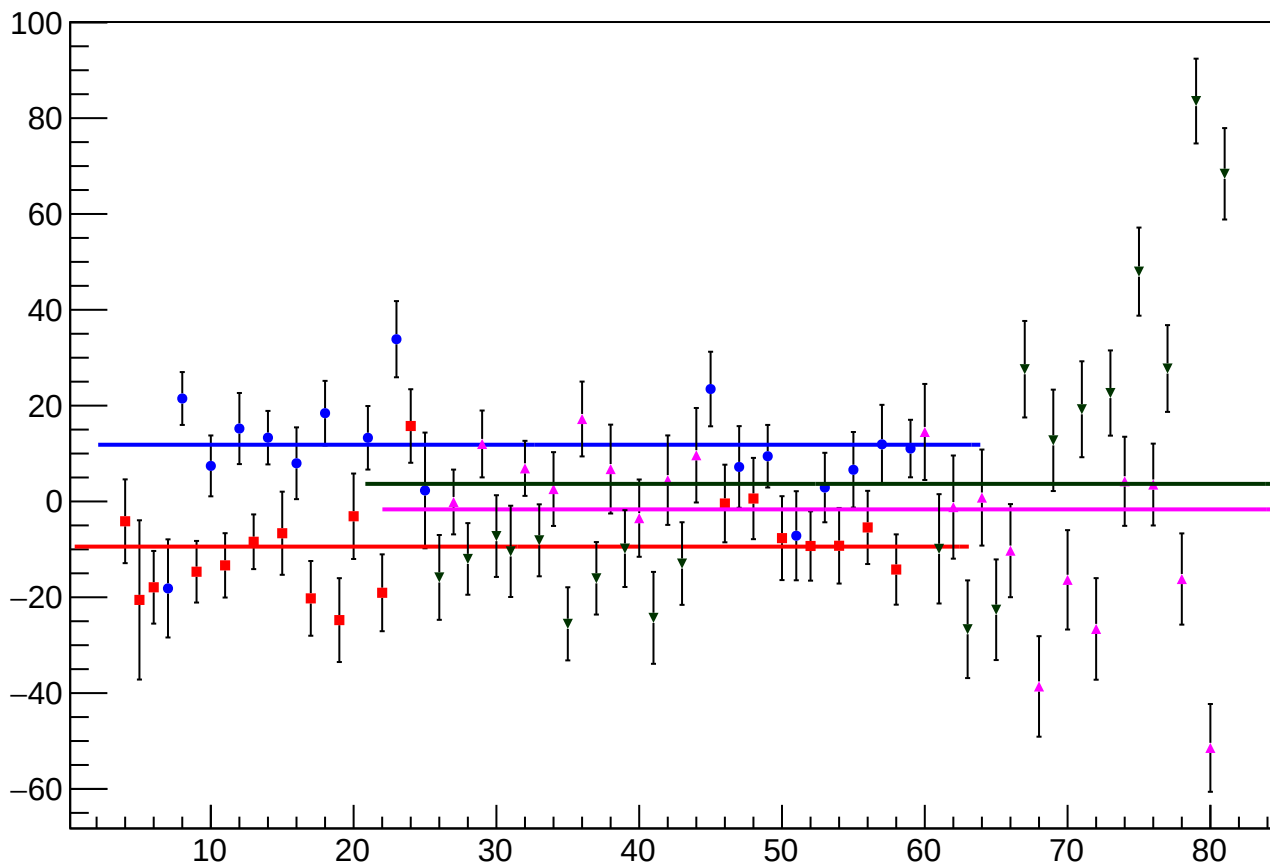
2141.403+/-0.338 χ^2/NDF : 3977376.5/38

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

2160.212+/-0.345 χ^2/NDF : 3172605.1/38

Left In: 2431.188+/-0.524 χ^2/NDF : 975240.5/19

diff_bpm0l05X_mean vs slug



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

Left Out: 3.669 $\pm$ 1.949 χ^2 /NDF: 239.8/20

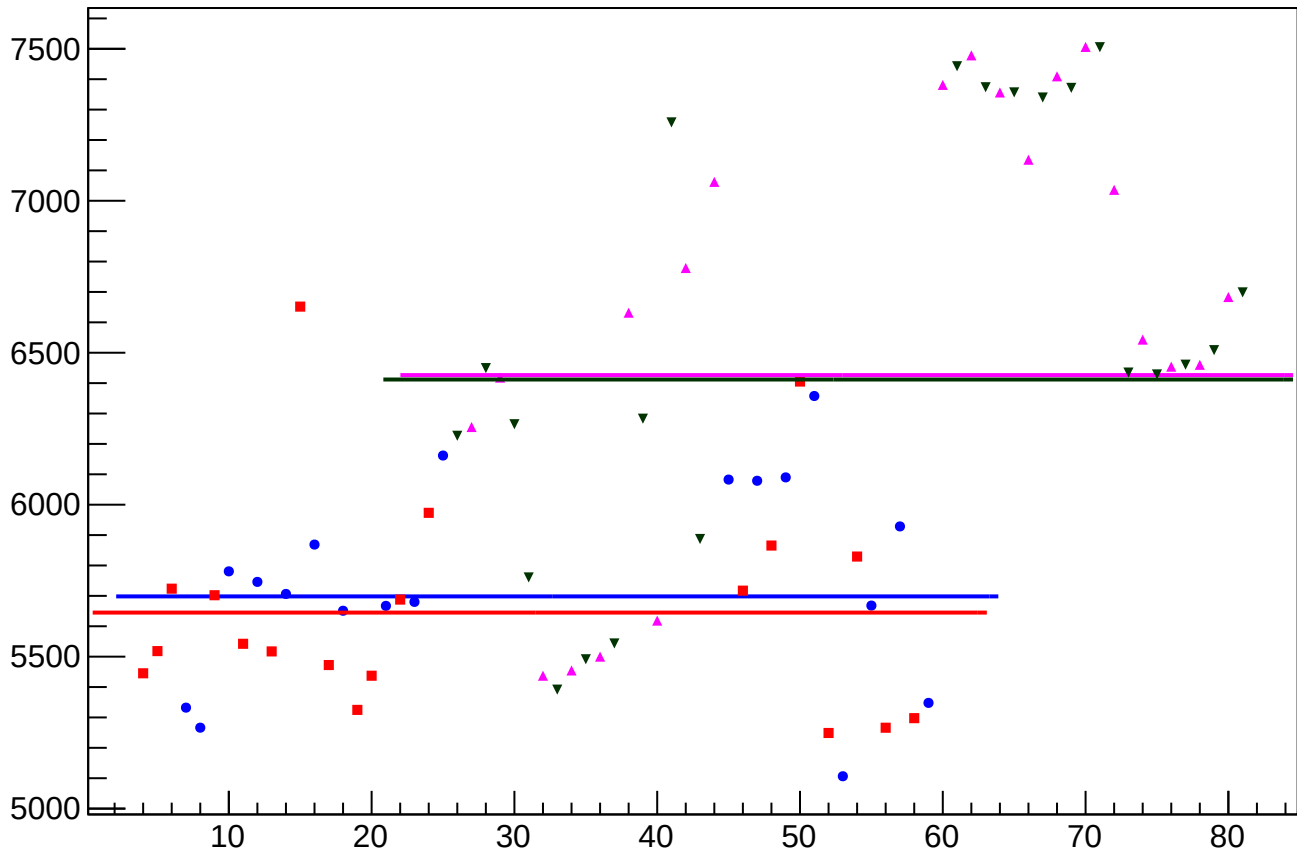
Right Out: -9.425 $\pm$ 1.790 χ^2 /NDF: 24.3/18

Left In: -1.655 $\pm$ 1.927 χ^2 /NDF: 70.9/19

8.305 $\pm$ 1.282 χ^2 /NDF: 280.5/38

-5.826 $\pm$ 1.311 χ^2 /NDF: 103.9/38

diff_bpm0l05X_rms vs slug



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

Left Out: 6411.890+/-1.378 χ^2/NDF : 236456.7/20

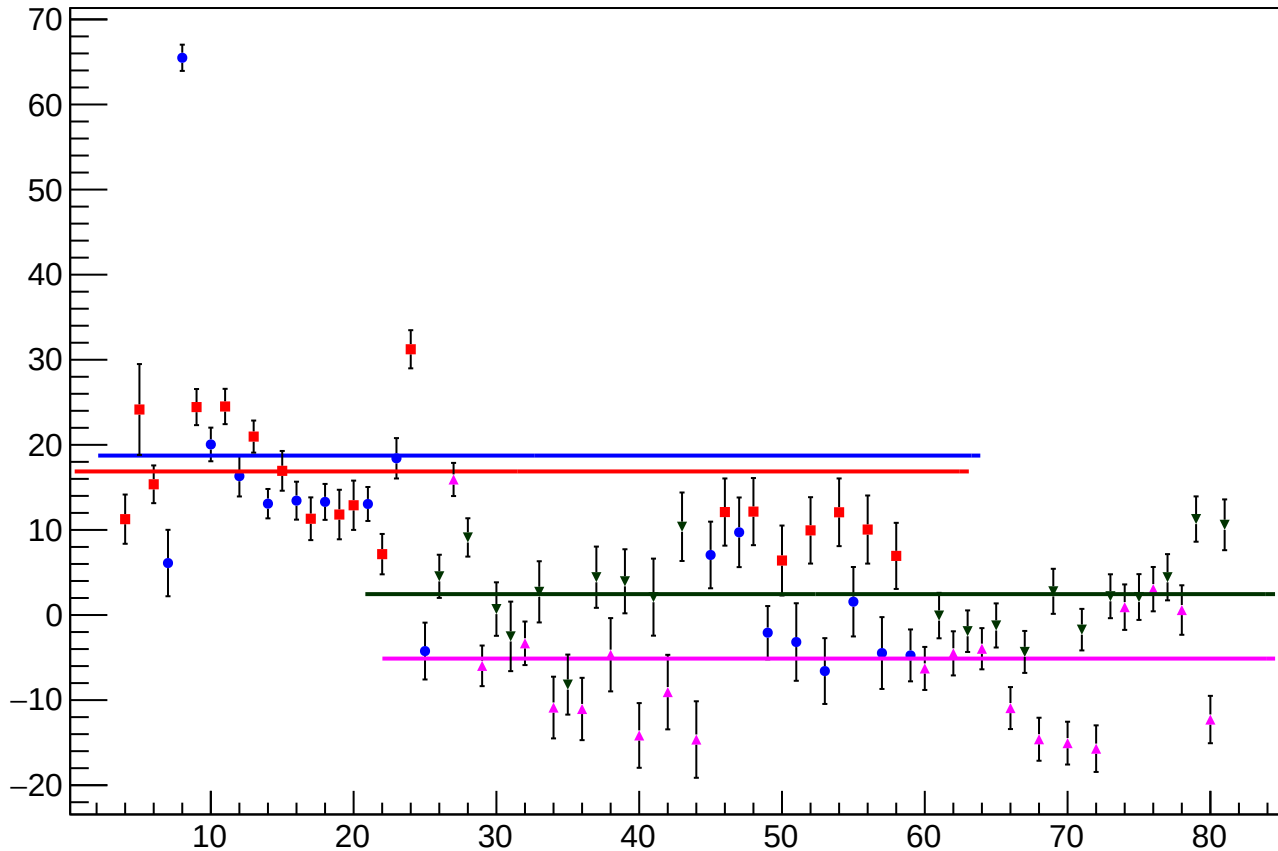
Right Out: 5644.999+/-1.266 χ^2/NDF : 71475.4/18

Left In: 6426.443+/-1.362 χ^2/NDF : 265646.9/19

6006.838+/-0.906 χ^2/NDF : 455872.1/38

6006.997+/-0.927 χ^2/NDF : 513702.8/38

diff_bpm0l05Y_mean vs slug



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

Left Out: 2.456 $\pm$ 0.628 χ^2 /NDF: 60.2/20

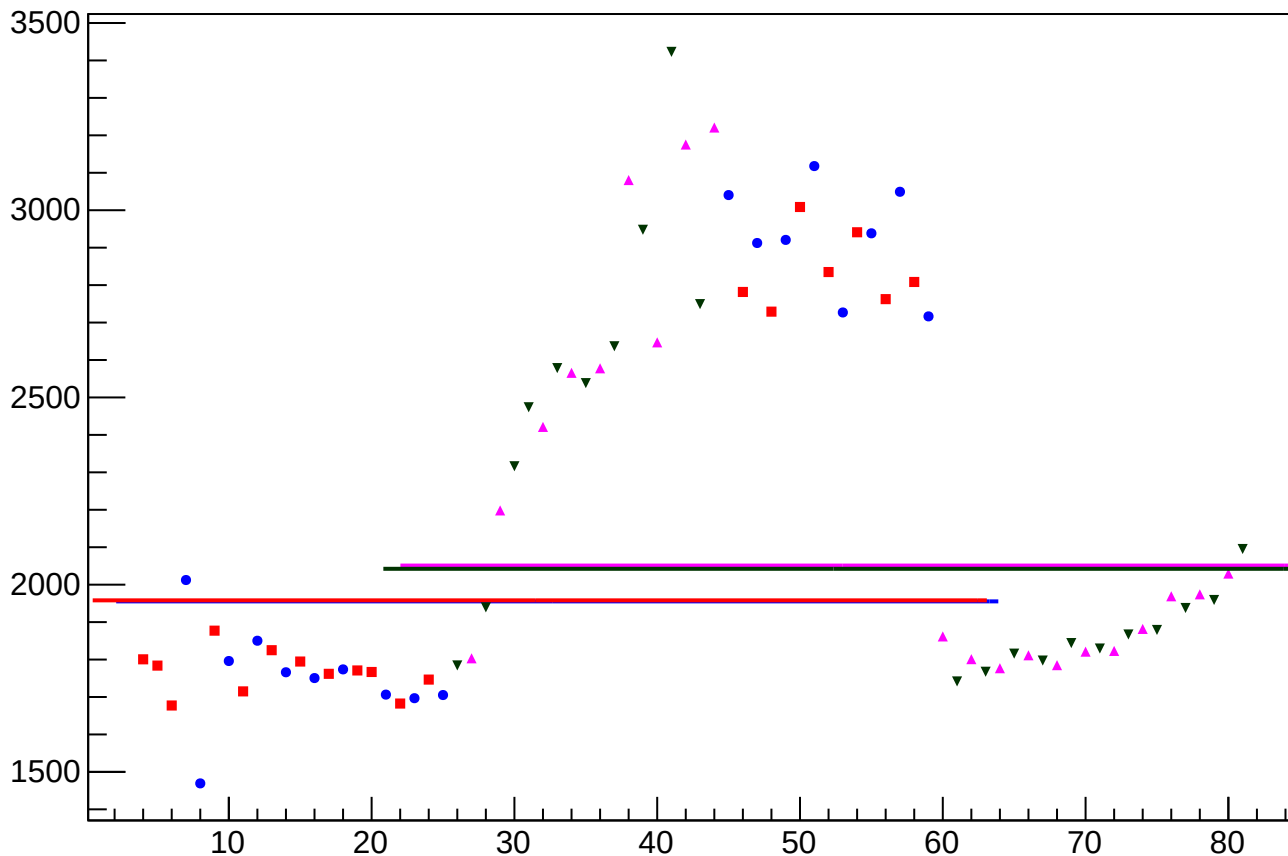
Right Out: 16.874 $\pm$ 0.633 χ^2 /NDF: 128.0/18

Left In: -5.119 $\pm$ 0.621 χ^2 /NDF: 209.5/19

10.942 $\pm$ 0.434 χ^2 /NDF: 1652.2/38

5.671 $\pm$ 0.444 χ^2 /NDF: 952.0/38

diff_bpm0l05Y_rms vs slug



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

Left Out: 2042.382 $\pm$ 0.444 χ^2 /NDF: 698491.0/20

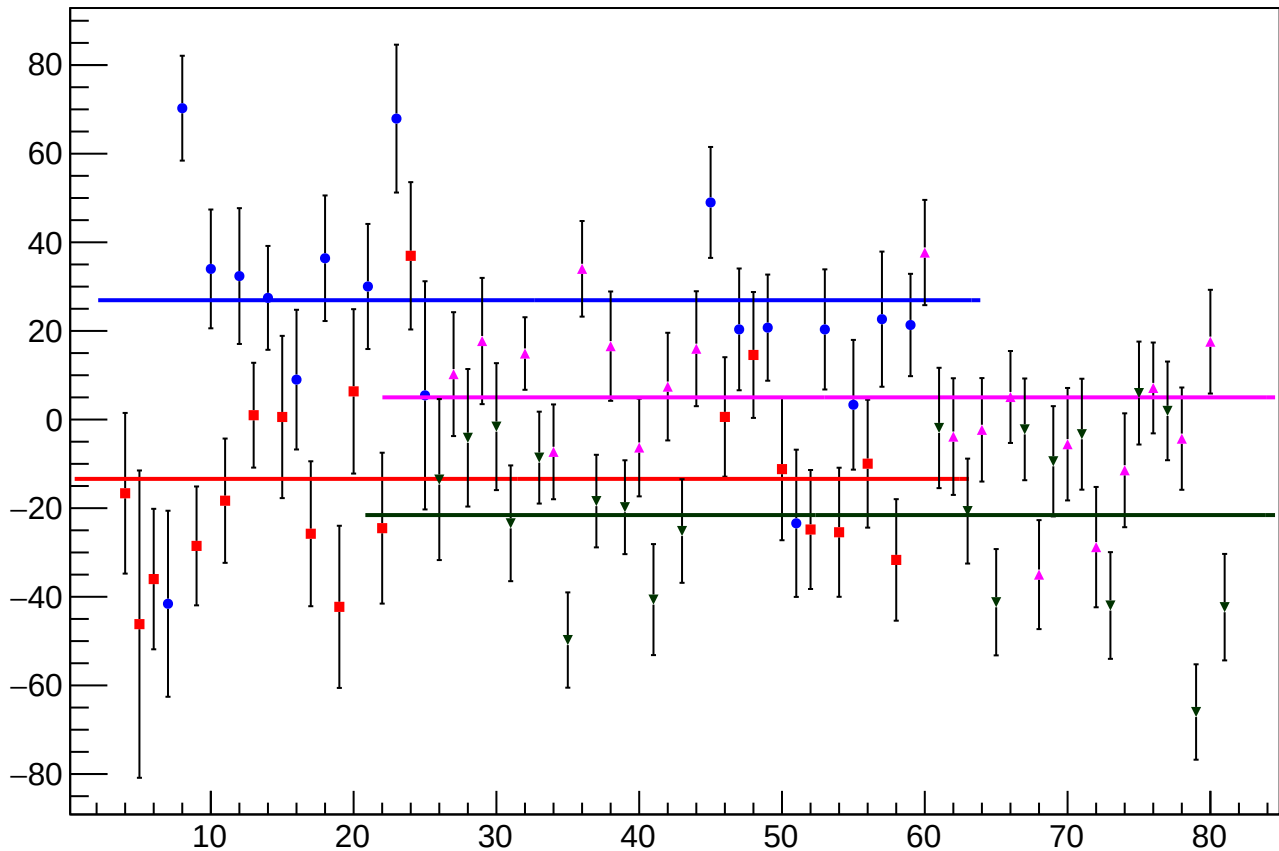
Right Out: 1958.115 $\pm$ 0.448 χ^2 /NDF: 858074.3/18

Left In: 2051.014 $\pm$ 0.439 χ^2 /NDF: 732613.6/19

1997.034 $\pm$ 0.307 χ^2 /NDF: 2094202.6/38

2005.436 $\pm$ 0.314 χ^2 /NDF: 1612615.6/38

diff_bpm0l06X_mean vs slug



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

Left Out: -21.557 ± 2.622 $\chi^2/\text{NDF}: 58.1/20$

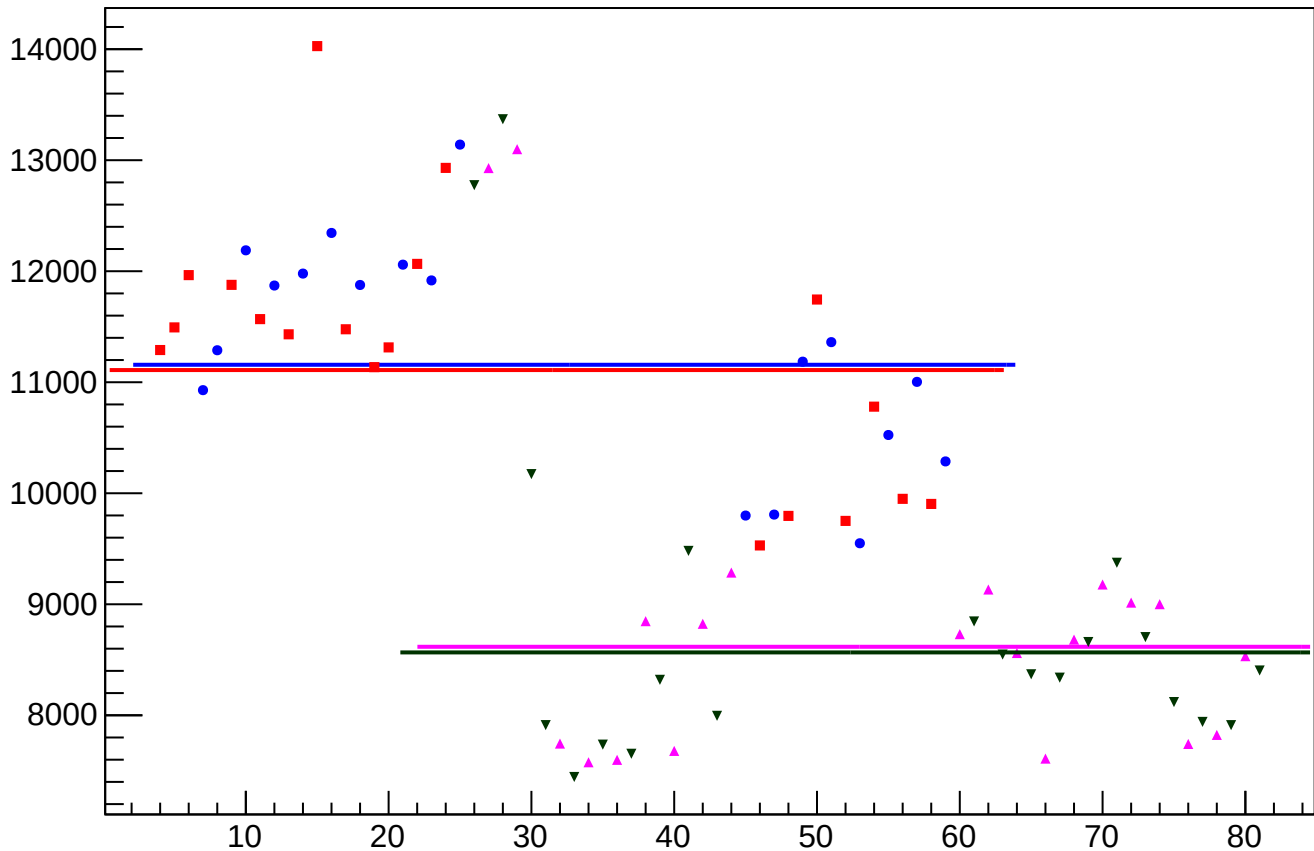
Right Out: -13.392 ± 3.535 $\chi^2/\text{NDF}: 28.4/18$

Left In: 5.008 ± 2.600 $\chi^2/\text{NDF}: 43.0/19$

-3.049 ± 2.062 $\chi^2/\text{NDF}: 237.6/38$

-1.453 ± 2.094 $\chi^2/\text{NDF}: 89.0/38$

diff_bpm0l06X_rms vs slug



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

Left Out: 8566.310 $\pm$ 1.854 χ^2 /NDF: 424108.9/20

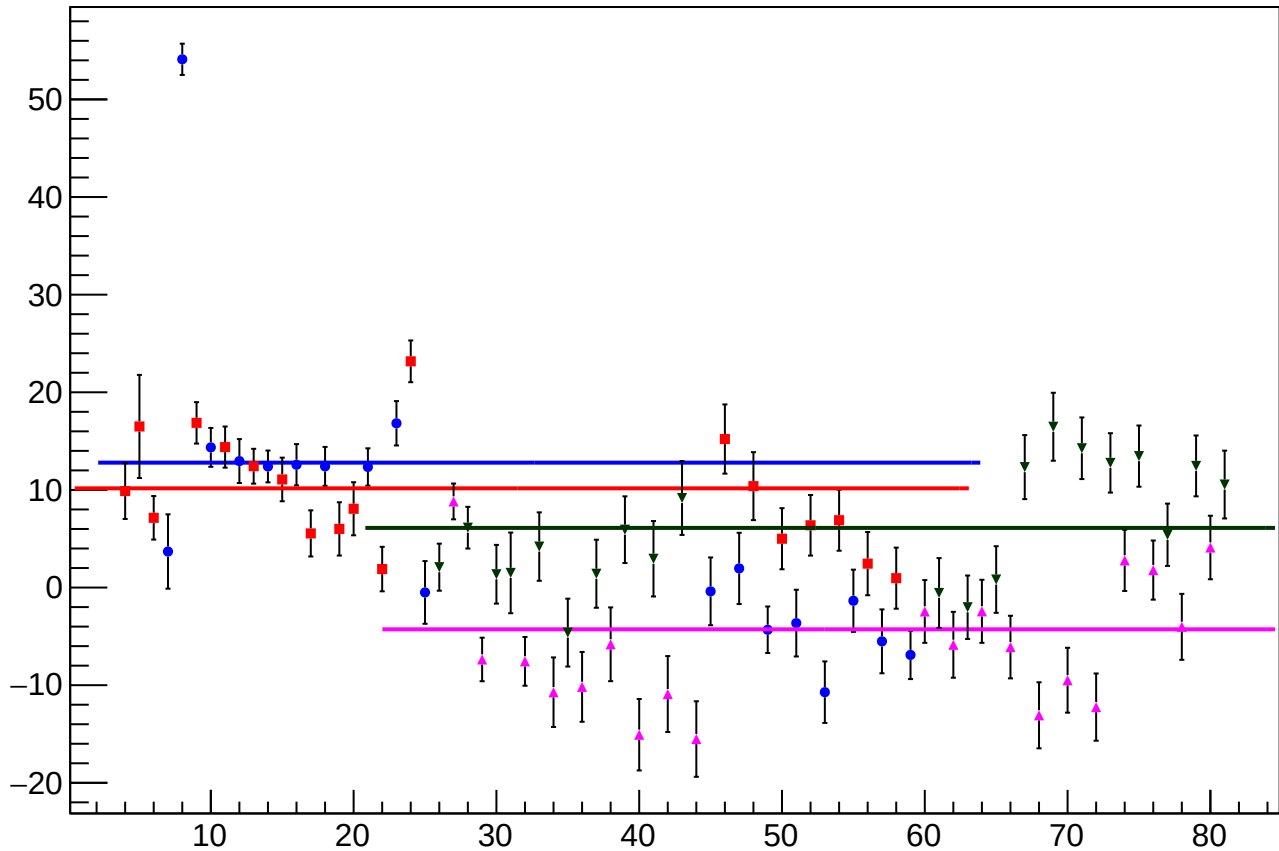
9555.310 $\pm$ 1.458 χ^2 /NDF: 1323448.6/38

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

9492.294 $\pm$ 1.481 χ^2 /NDF: 1364301.6/38

Left In: 8617.102 $\pm$ 1.839 χ^2 /NDF: 522567.2/19

diff_bpm0l06Y_mean vs slug



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

Left Out: 6.111+/-0.697 χ^2 /NDF: 66.9/20

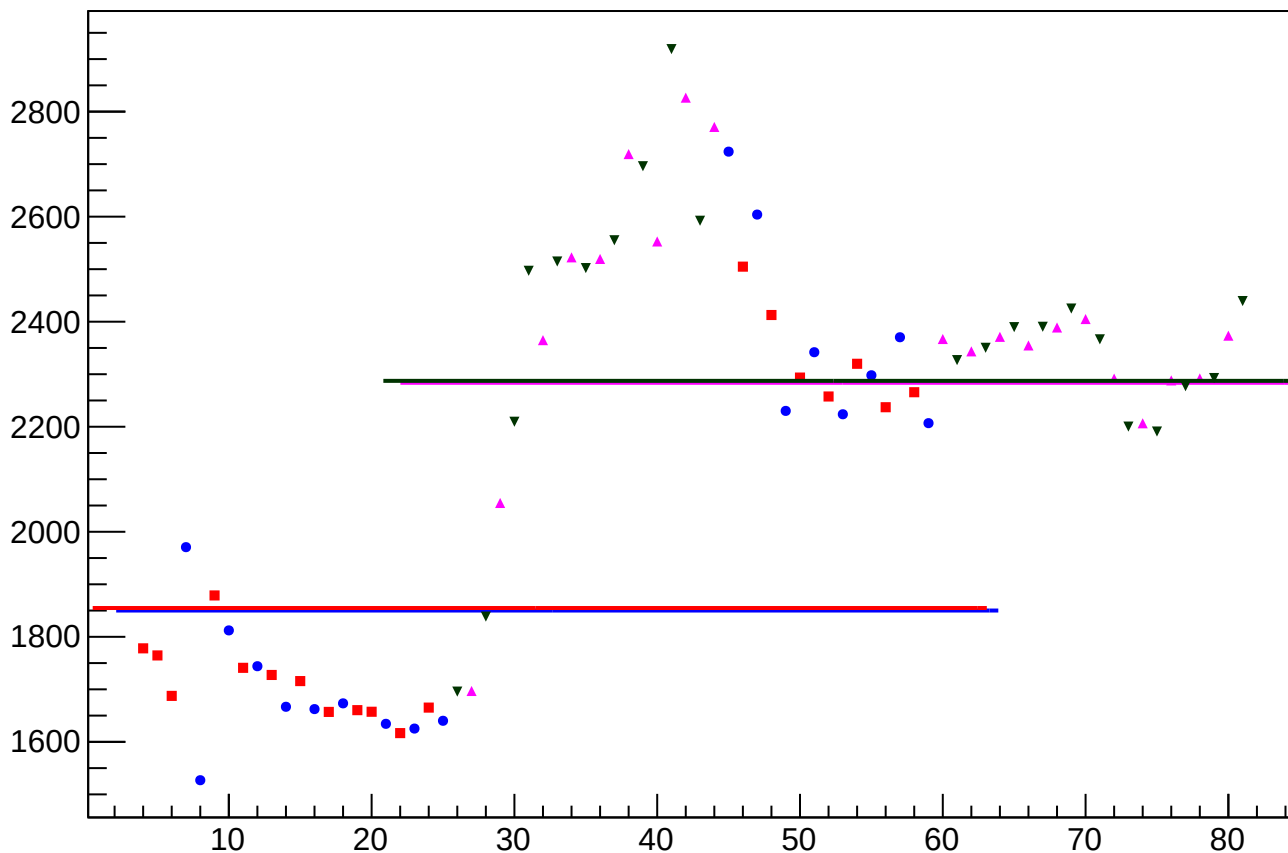
Right Out: 10.162+/-0.592 χ^2 /NDF: 97.7/18

Left In: -4.277+/-0.686 χ^2 /NDF: 112.4/19

10.178+/-0.436 χ^2 /NDF: 1083.9/38

3.992+/-0.448 χ^2 /NDF: 464.0/38

diff_bpm0l06Y_rms vs slug



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

Left Out: 2287.360+/-0.493 χ^2/NDF : 354854.7/20

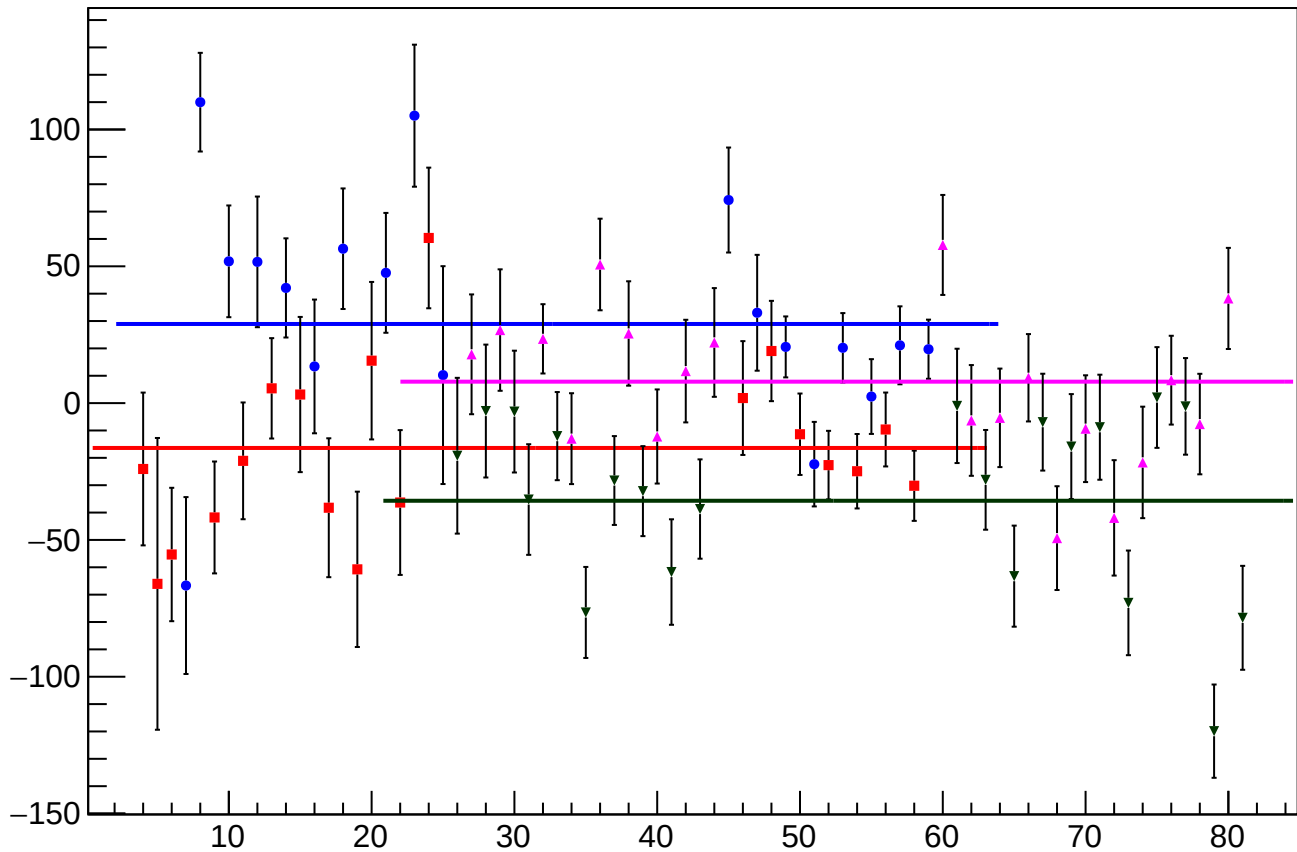
Right Out: 1854.854+/-0.419 χ^2/NDF : 407929.4/18

Left In: 2283.668+/-0.485 χ^2/NDF : 365650.6/19

2021.237+/-0.308 χ^2/NDF : 1497032.0/38

2038.069+/-0.317 χ^2/NDF : 1221445.0/38

diff_bpm0l07X_mean vs slug



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

Left Out: -35.686 ± 4.081 $\chi^2/\text{NDF}: 66.7/20$

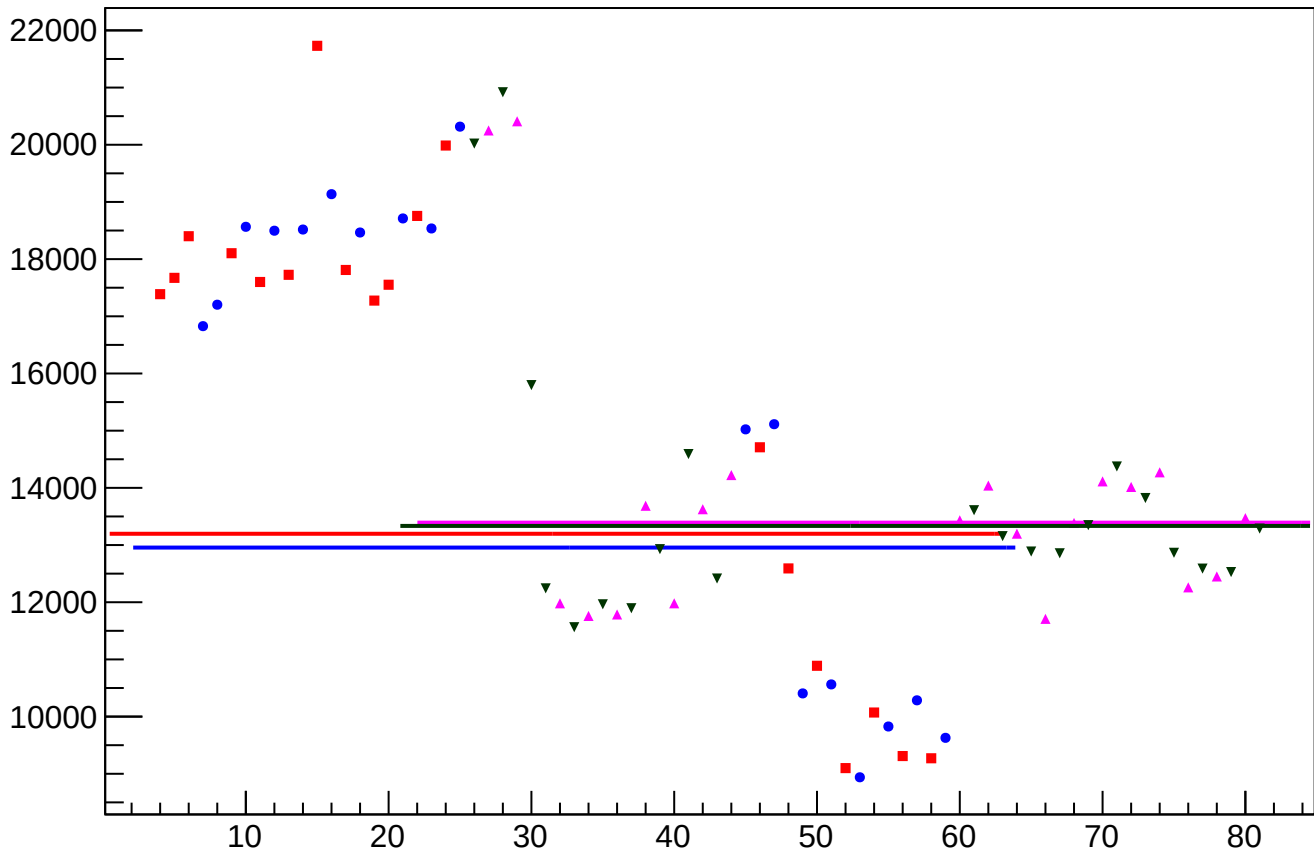
Right Out: -16.388 ± 4.377 $\chi^2/\text{NDF}: 27.5/18$

Left In: 7.840 ± 4.041 $\chi^2/\text{NDF}: 42.8/19$

-3.018 ± 2.869 $\chi^2/\text{NDF}: 259.1/38$

-3.307 ± 2.969 $\chi^2/\text{NDF}: 86.9/38$

diff_bpm0l07X_rms vs slug



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

Left Out: 13334.632 $\pm$ 2.886 χ^2 /NDF: 423733.0/20

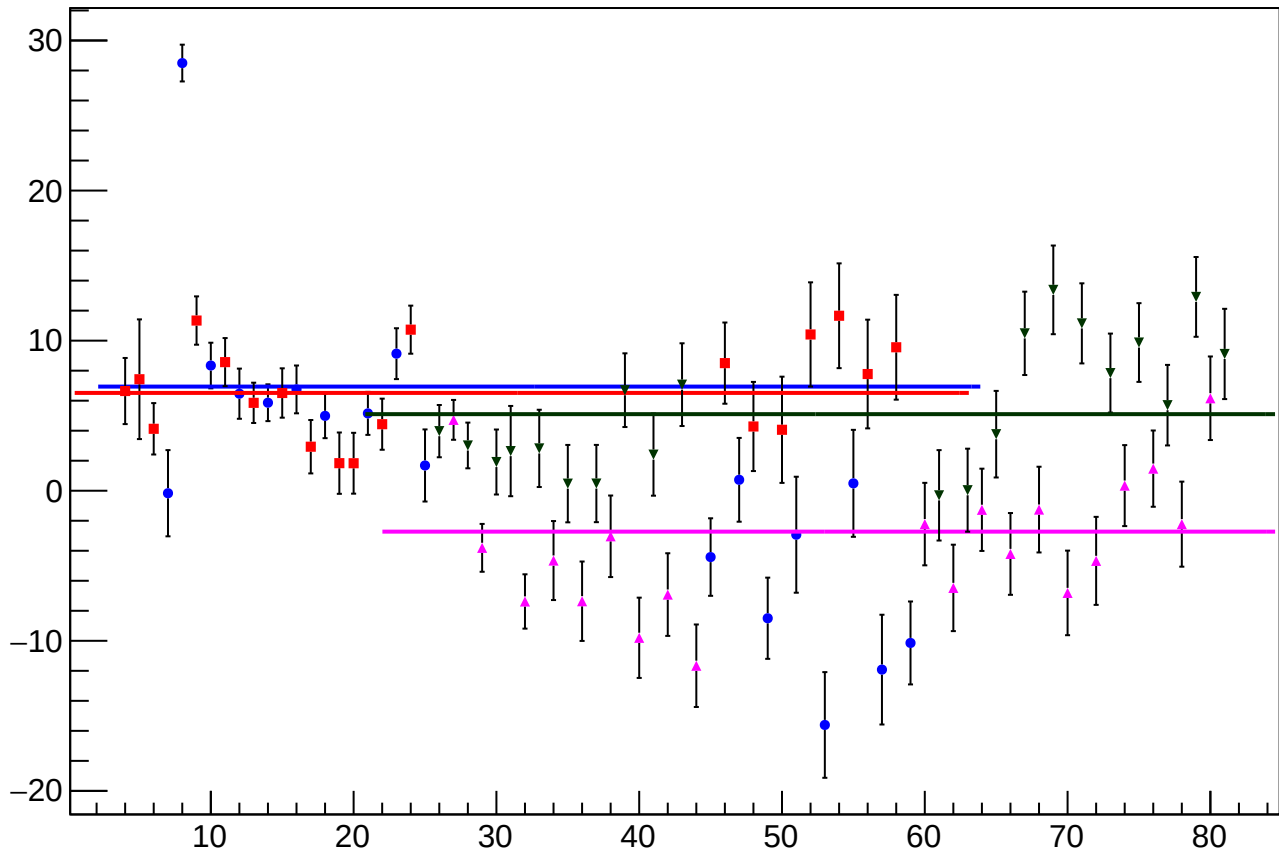
13143.142 $\pm$ 2.029 χ^2 /NDF: 2333077.4/38

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

13302.186 $\pm$ 2.099 χ^2 /NDF: 2294135.1/38

Left In: 13391.667 $\pm$ 2.857 χ^2 /NDF: 524250.7/19

diff_bpm0l07Y_mean vs slug



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

Left Out: 5.103 ± 0.543 χ^2/NDF : 52.7/20

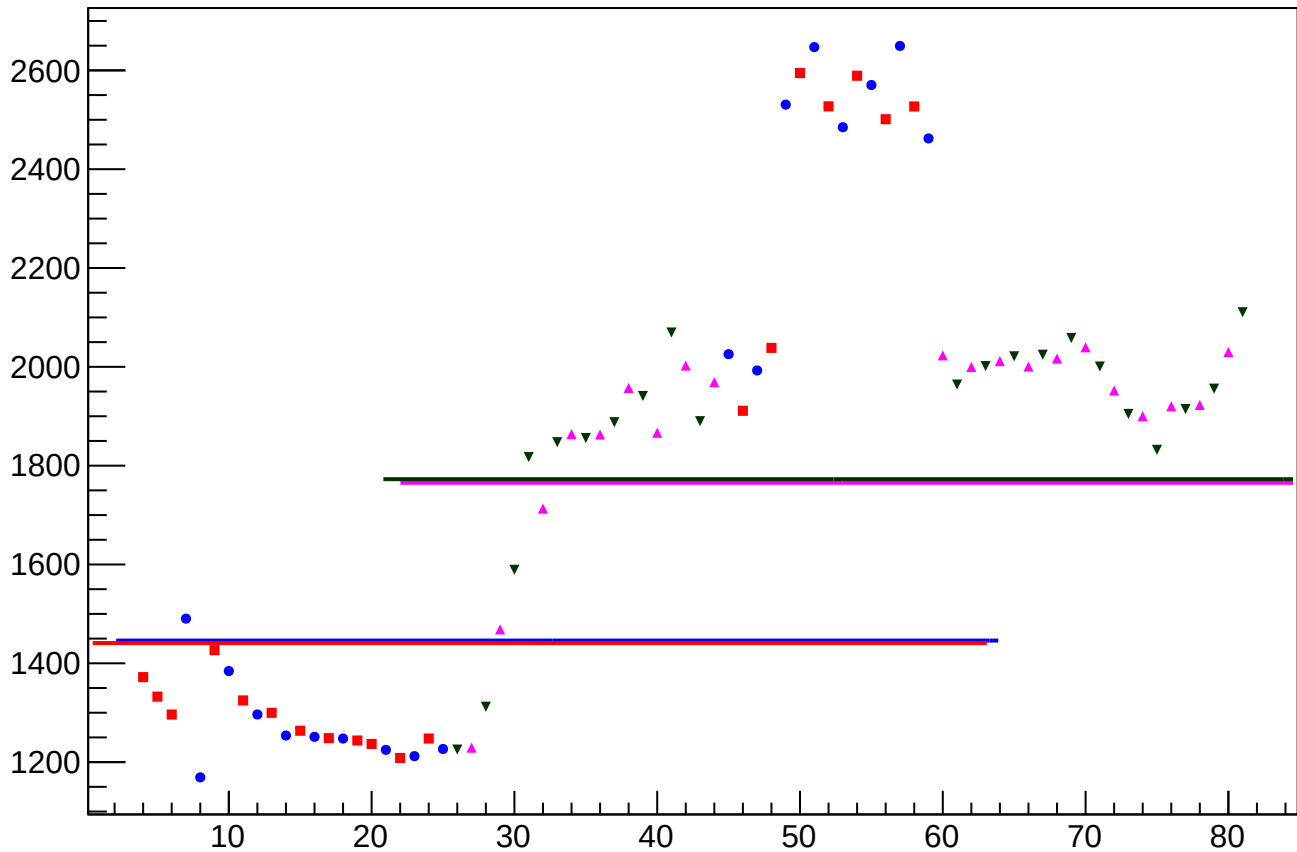
Right Out: 6.517 ± 0.472 χ^2/NDF : 41.8/18

Left In: -2.726 ± 0.533 χ^2/NDF : 81.4/19

6.192 ± 0.346 χ^2/NDF : 559.0/38

2.456 ± 0.353 χ^2/NDF : 292.0/38

diff_bpm0l07Y_rms vs slug



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

Left Out: 1772.636+/-0.384 χ^2/NDF : 572319.4/20

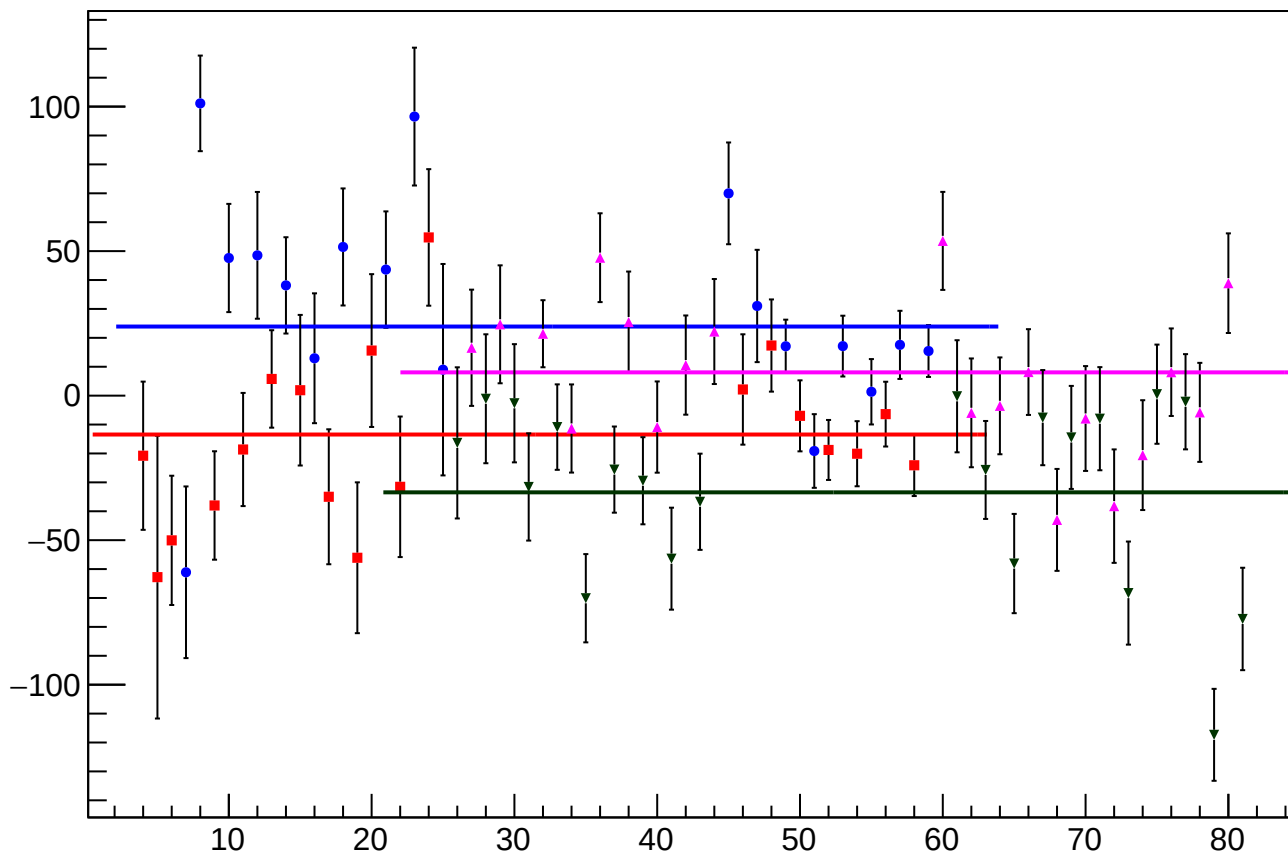
1578.924+/-0.245 χ^2/NDF : 2893293.2/38

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

1583.514+/-0.250 χ^2/NDF : 2331366.9/38

Left In: 1765.388+/-0.377 χ^2/NDF : 582265.4/19

diff_bpm0l08X_mean vs slug



Right In: 23.908 ± 3.470 $\chi^2/\text{NDF}: 70.6/17$

Left Out: -33.453 ± 3.773 $\chi^2/\text{NDF}: 71.1/20$

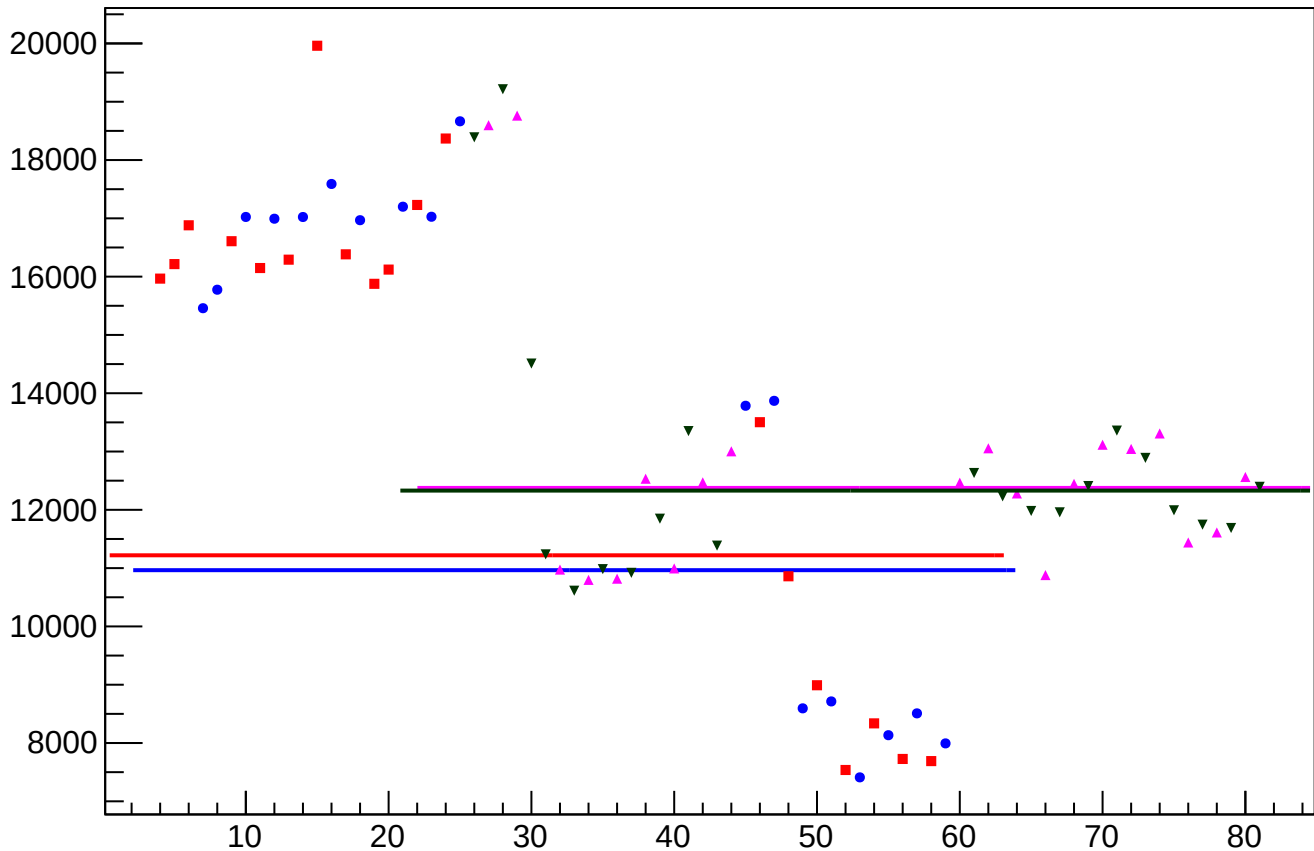
Right Out: -13.450 ± 3.783 $\chi^2/\text{NDF}: 27.5/18$

Left In: 8.054 ± 3.734 $\chi^2/\text{NDF}: 42.6/19$

-2.376 ± 2.554 $\chi^2/\text{NDF}: 267.0/38$

-2.557 ± 2.657 $\chi^2/\text{NDF}: 86.5/38$

diff_bpm0l08X_rms vs slug



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

Left Out: 12329.935+/-2.668 χ^2/NDF : 420899.8/20

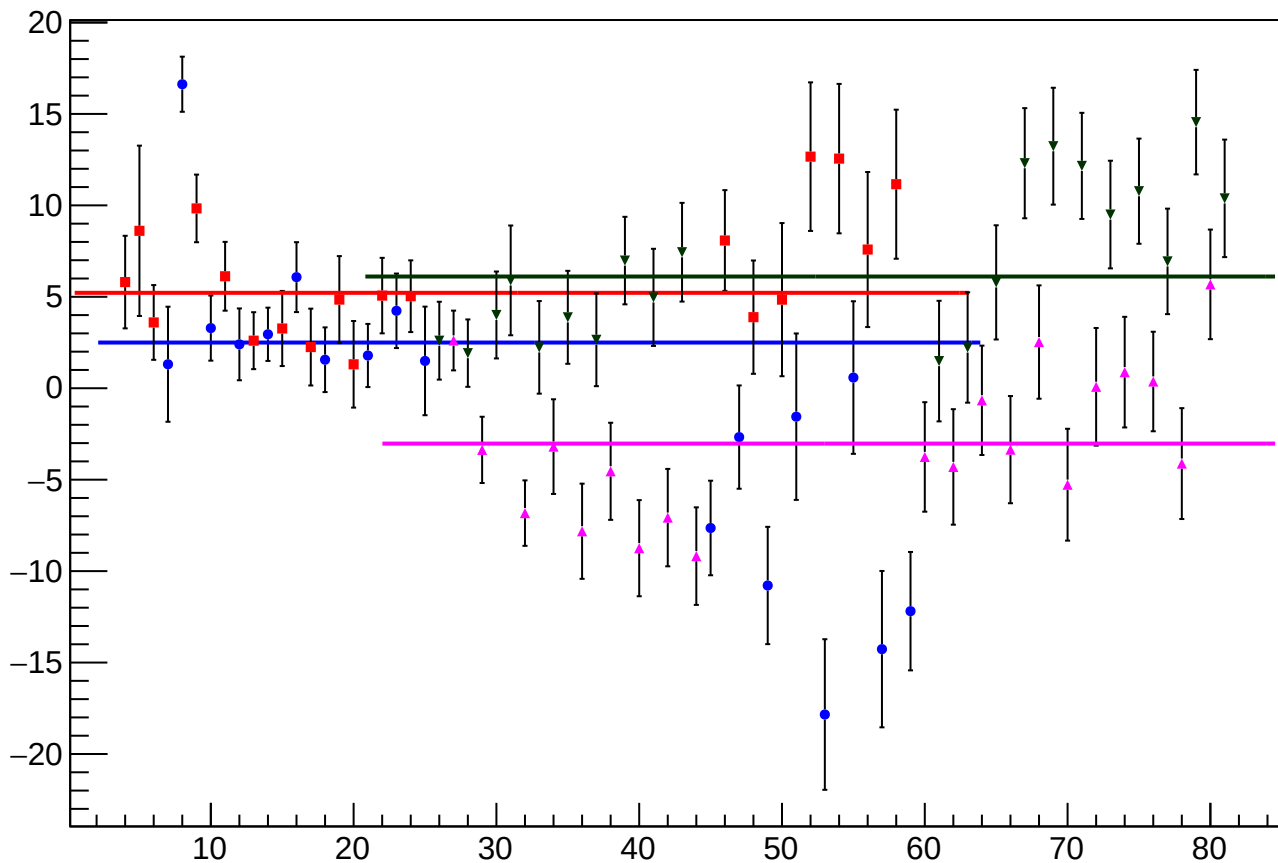
11590.311+/-1.806 χ^2/NDF : 3113596.8/38

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

11805.482+/-1.879 χ^2/NDF : 2960442.2/38

Left In: 12375.806+/-2.640 χ^2/NDF : 521919.5/19

diff_bpm0l08Y_mean vs slug



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

Left Out: 6.109 ± 0.584 χ^2/NDF : 45.9/20

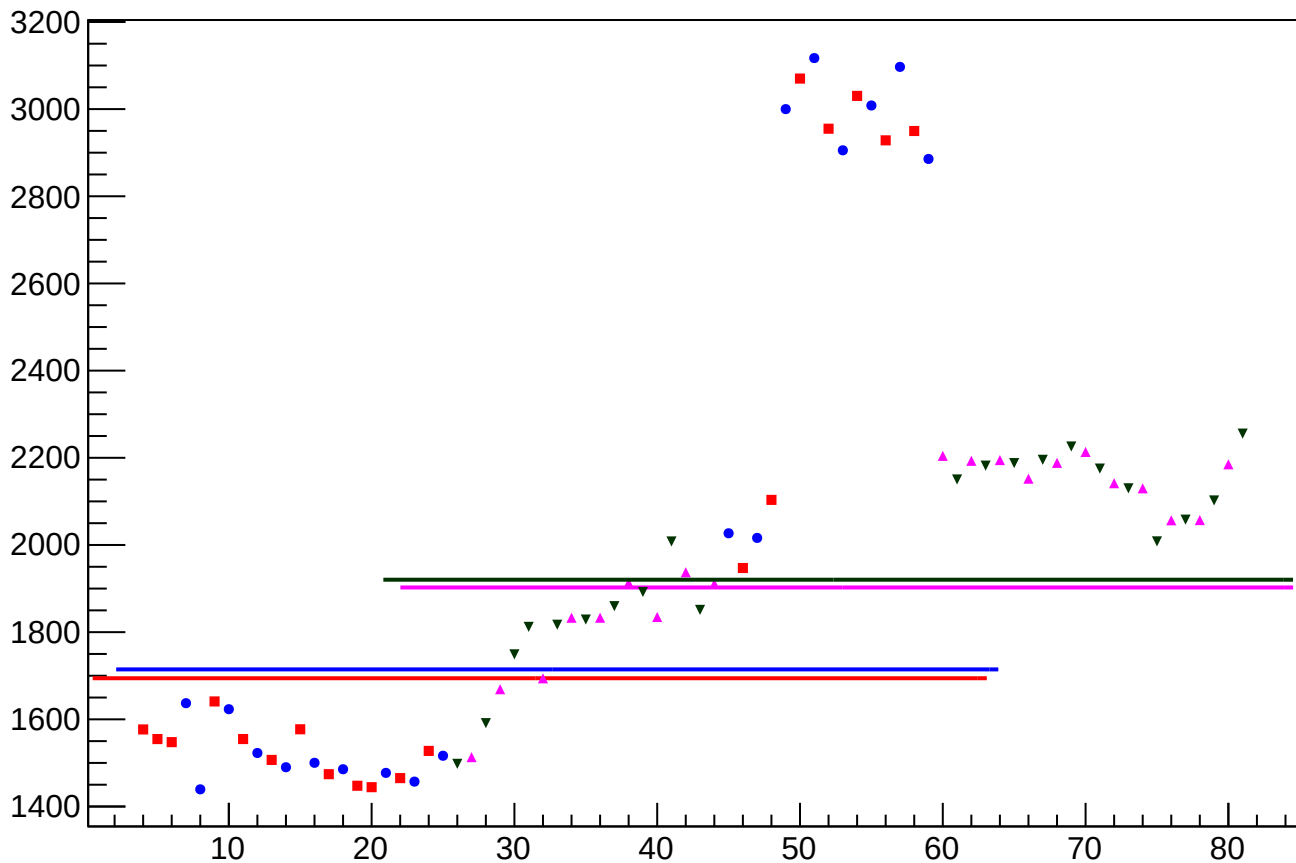
Right Out: 5.218 ± 0.553 χ^2/NDF : 26.5/18

Left In: -3.026 ± 0.571 χ^2/NDF : 49.9/19

4.130 ± 0.393 χ^2/NDF : 257.2/38

1.228 ± 0.397 χ^2/NDF : 184.0/38

diff_bpm0l08Y_rms vs slug



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

Left Out: 1920.311+/-0.413 χ^2/NDF : 302696.1/20

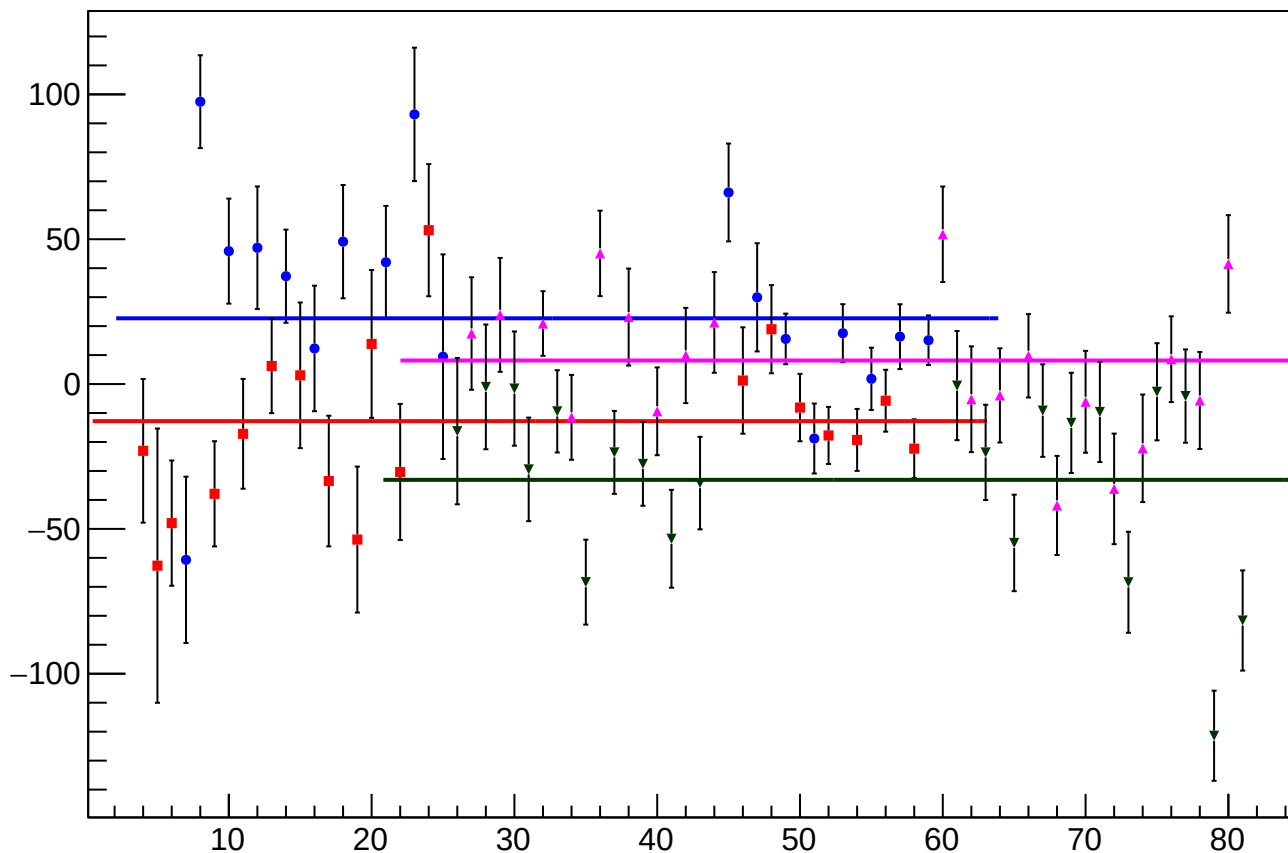
Right Out: 1694.263+/-0.391 χ^2/NDF : 1202765.8/18

Left In: 1902.496+/-0.404 χ^2/NDF : 338817.1/19

1807.493+/-0.278 χ^2/NDF : 2109520.5/38

1795.035+/-0.281 χ^2/NDF : 1678923.9/38

diff_bpm0l09X_mean vs slug



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

Left Out: -33.071 ± 3.650 $\chi^2/\text{NDF}: 77.0/20$

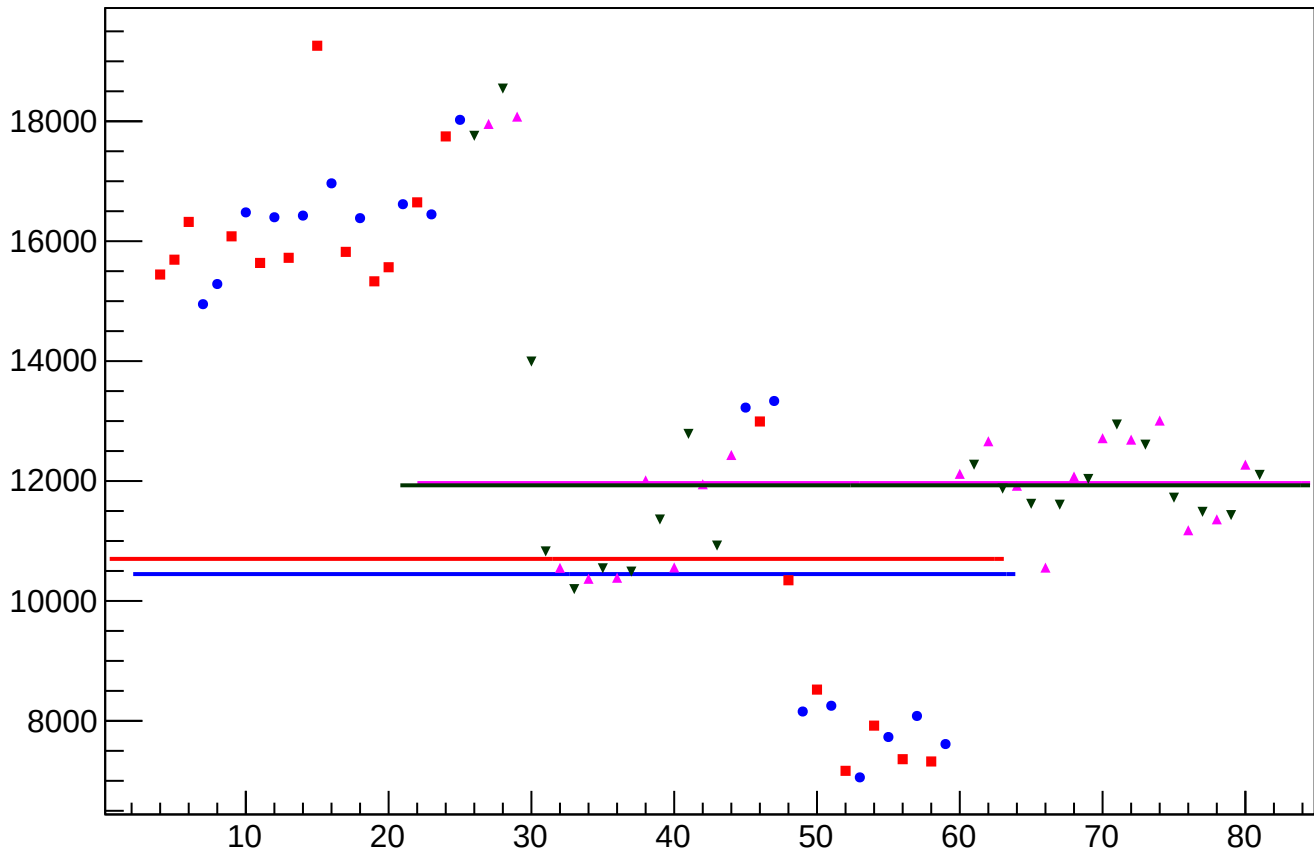
Right Out: -12.799 ± 3.618 $\chi^2/\text{NDF}: 28.2/18$

Left In: 8.130 ± 3.610 $\chi^2/\text{NDF}: 42.9/19$

-2.506 ± 2.454 $\chi^2/\text{NDF}: 275.9/38$

-2.312 ± 2.556 $\chi^2/\text{NDF}: 87.9/38$

diff_bpm0l09X_rms vs slug



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

Left Out: 11928.586+/-2.581 χ^2/NDF : 425205.6/20

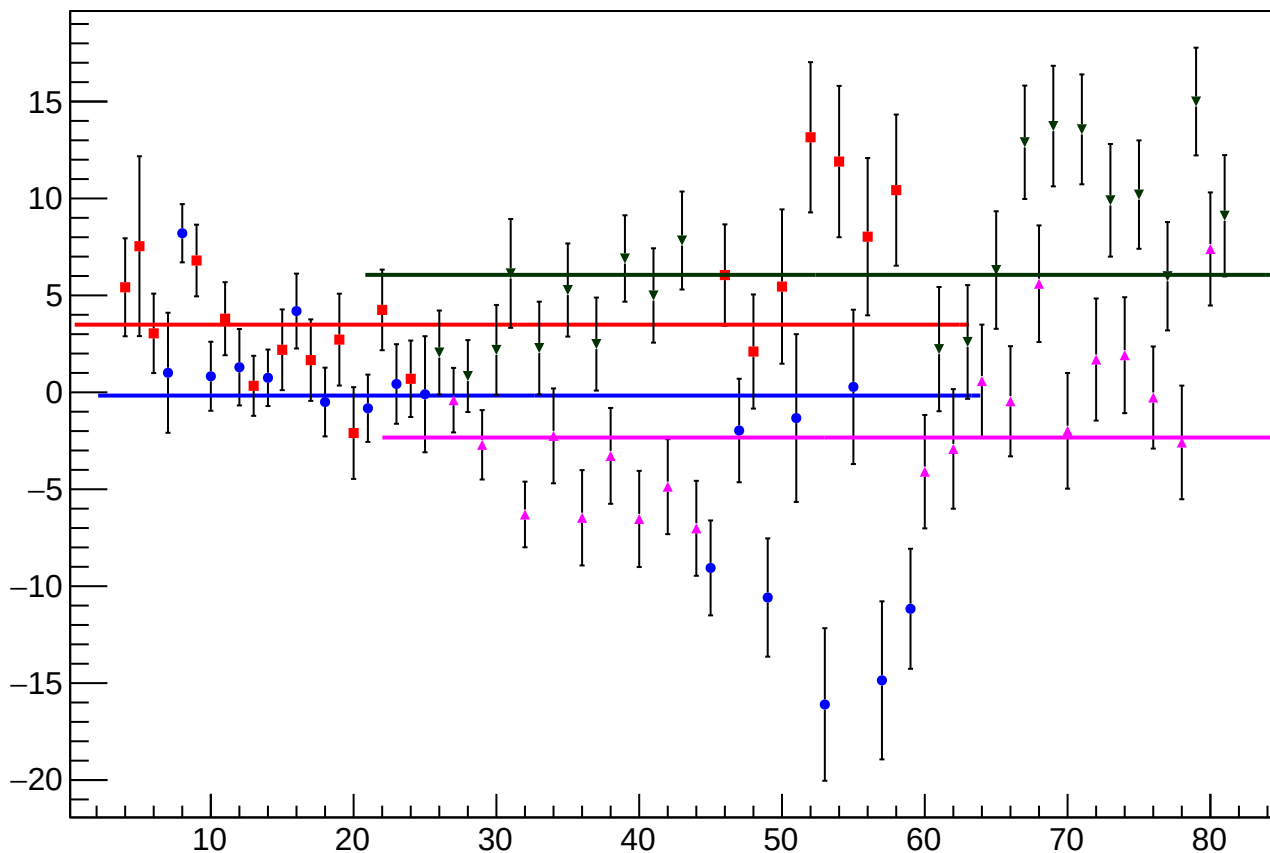
11117.213+/-1.735 χ^2/NDF : 3260137.8/38

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

11335.185+/-1.807 χ^2/NDF : 3086249.0/38

Left In: 11966.143+/-2.553 χ^2/NDF : 525312.3/19

diff_bpm0l09Y_mean vs slug



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

Left Out: 6.059 ± 0.564 χ^2/NDF : 56.4/20

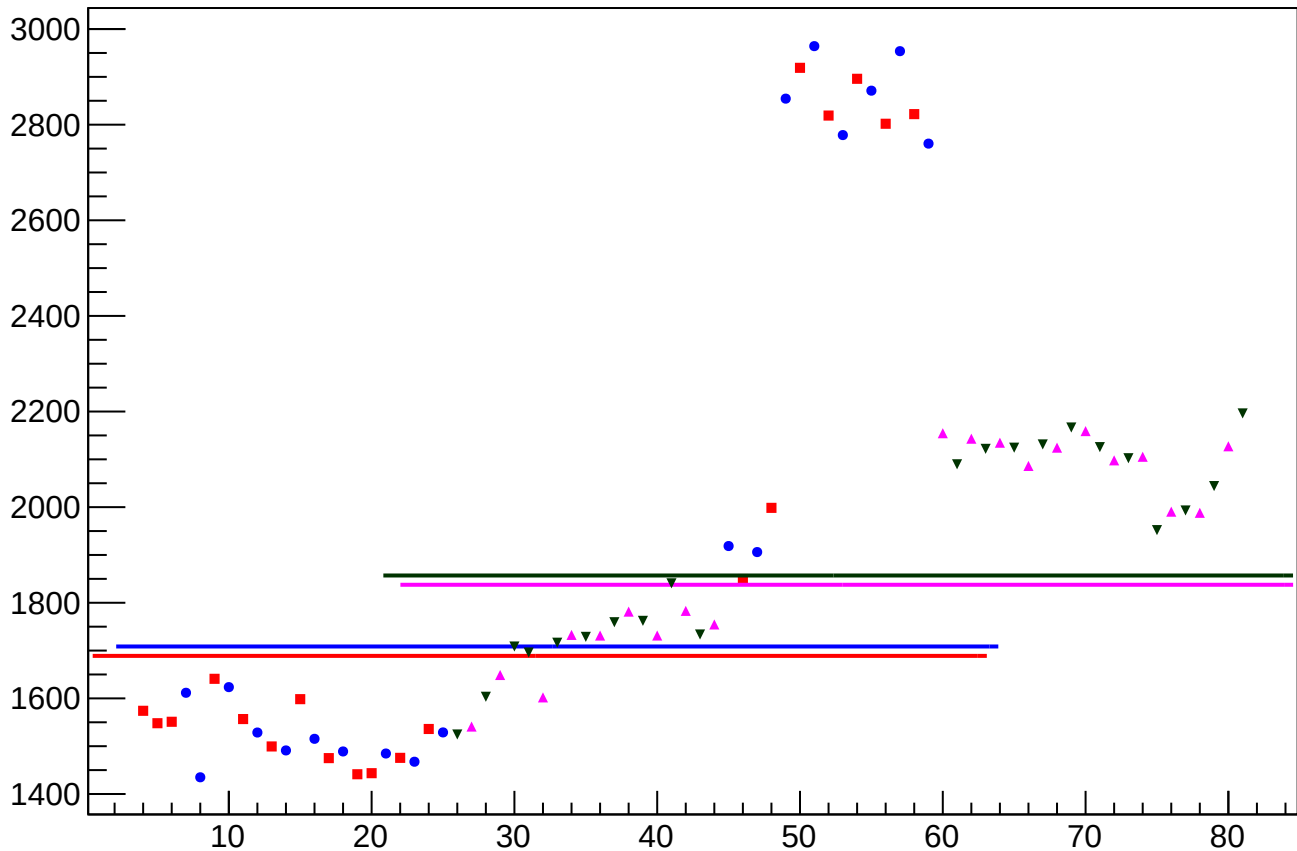
Right Out: 3.490 ± 0.549 χ^2/NDF : 34.4/18

Left In: -2.332 ± 0.551 χ^2/NDF : 41.6/19

2.725 ± 0.385 χ^2/NDF : 226.7/38

0.591 ± 0.389 χ^2/NDF : 132.1/38

diff_bpm0l09Y_rms vs slug



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

Left Out: 1857.053+/-0.399 χ^2/NDF : 275266.1/20

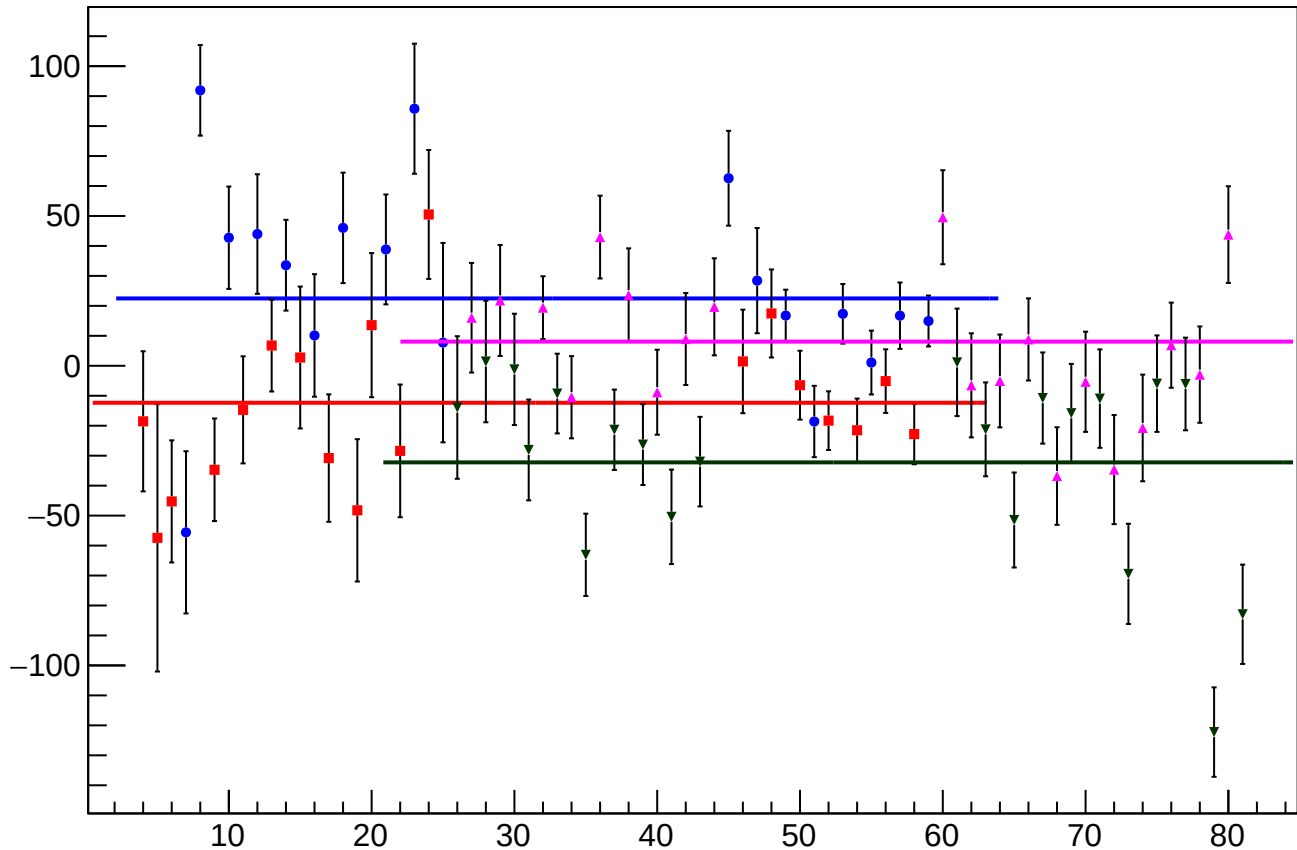
1777.537+/-0.272 χ^2/NDF : 1813972.9/38

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

1762.967+/-0.275 χ^2/NDF : 1453736.2/38

Left In: 1837.635+/-0.390 χ^2/NDF : 321987.6/19

diff_bpm0l10X_mean vs slug



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

Left Out: -32.236 ± 3.455 $\chi^2/\text{NDF}: 82.7/20$

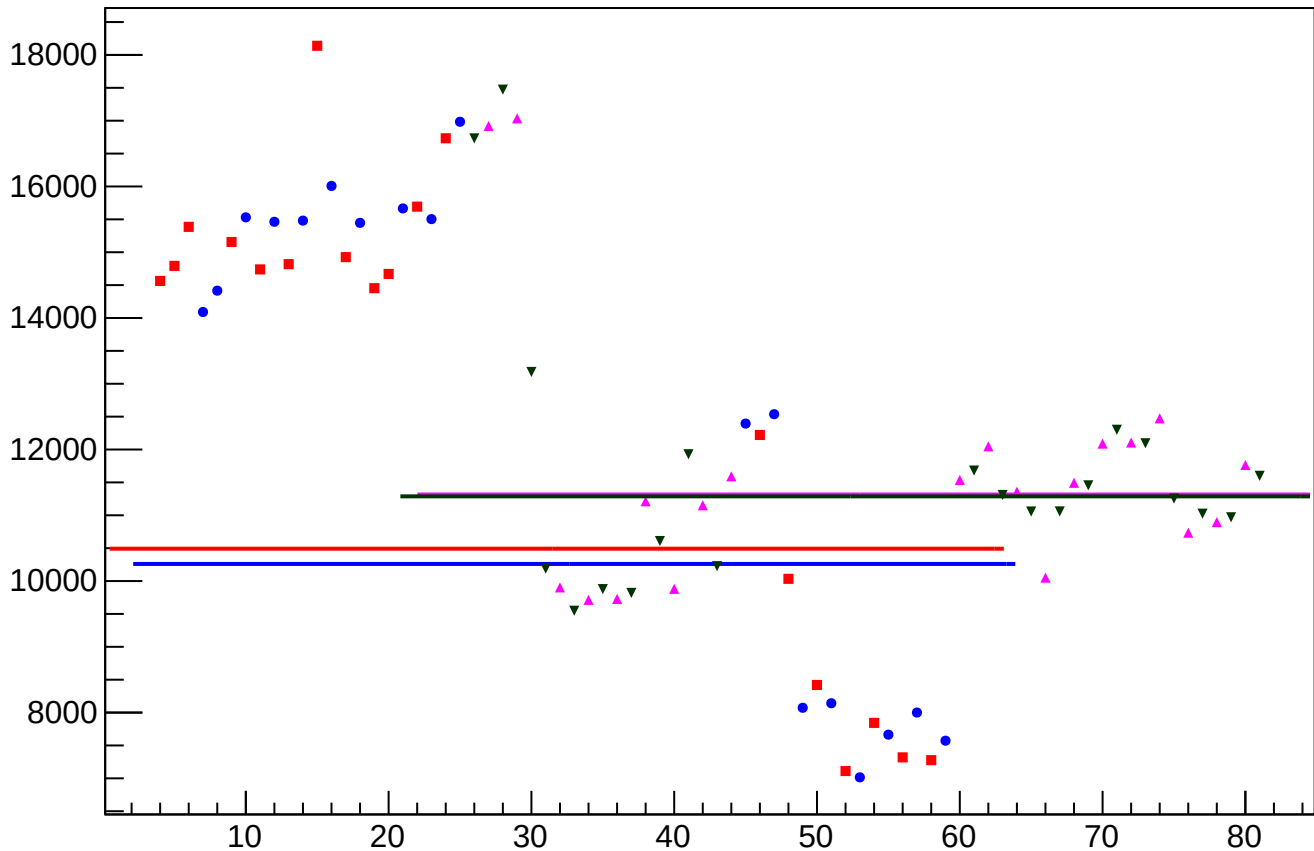
Right Out: -12.340 ± 3.516 $\chi^2/\text{NDF}: 28.3/18$

Left In: 8.067 ± 3.415 $\chi^2/\text{NDF}: 43.2/19$

-3.021 ± 2.359 $\chi^2/\text{NDF}: 284.9/38$

-1.837 ± 2.450 $\chi^2/\text{NDF}: 88.8/38$

diff_bpm0l10X_rms vs slug



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

Left Out: 11287.703 $\pm$ 2.443 χ^2 /NDF: 434175.0/20

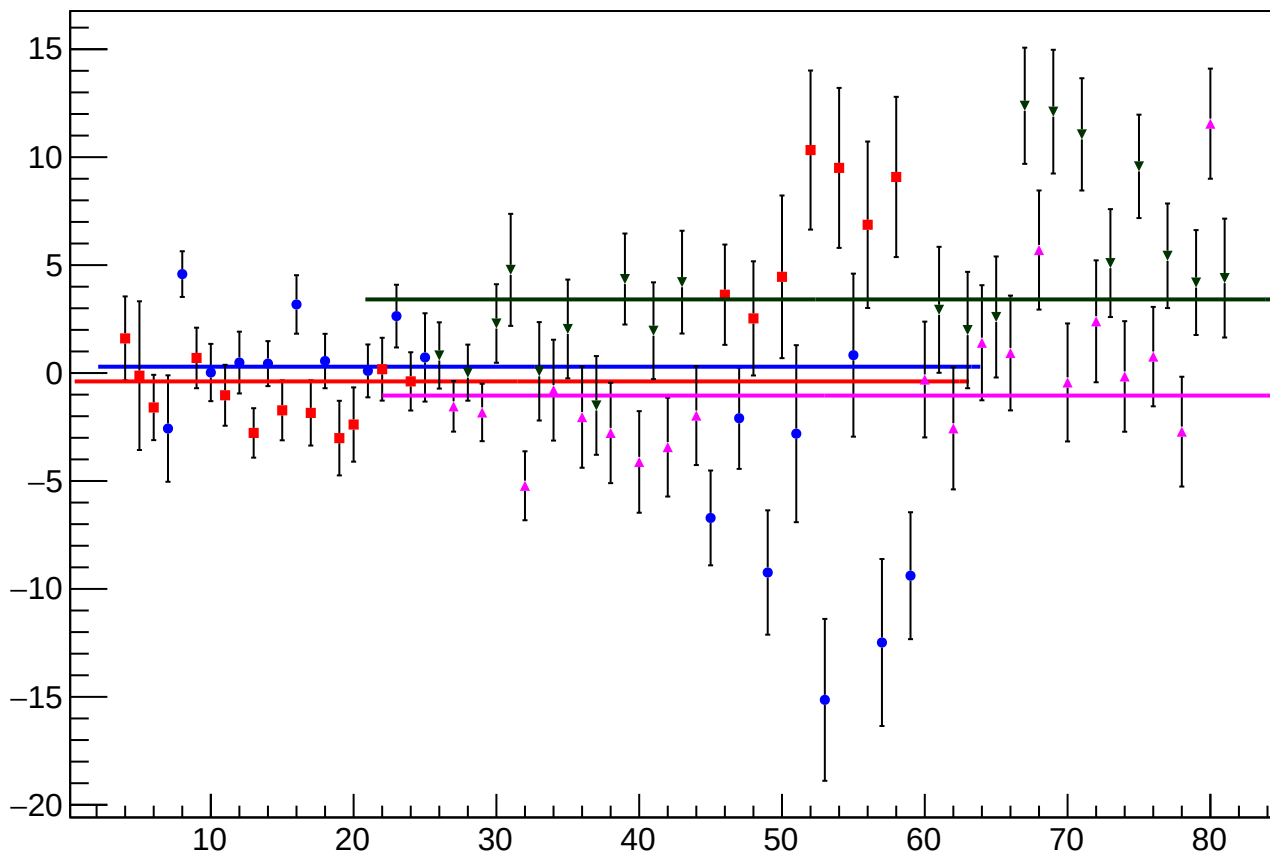
Right Out: 10492.088 $\pm$ 2.487 χ^2 /NDF: 2138865.4/18

Left In: 11315.822 $\pm$ 2.415 χ^2 /NDF: 533832.8/19

10739.055 $\pm$ 1.668 χ^2 /NDF: 2848635.9/38

10916.050 $\pm$ 1.732 χ^2 /NDF: 2729183.7/38

diff_bpm0l10Y_mean vs slug



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

Left Out: 3.410 ± 0.486 χ^2/NDF : 55.5/20

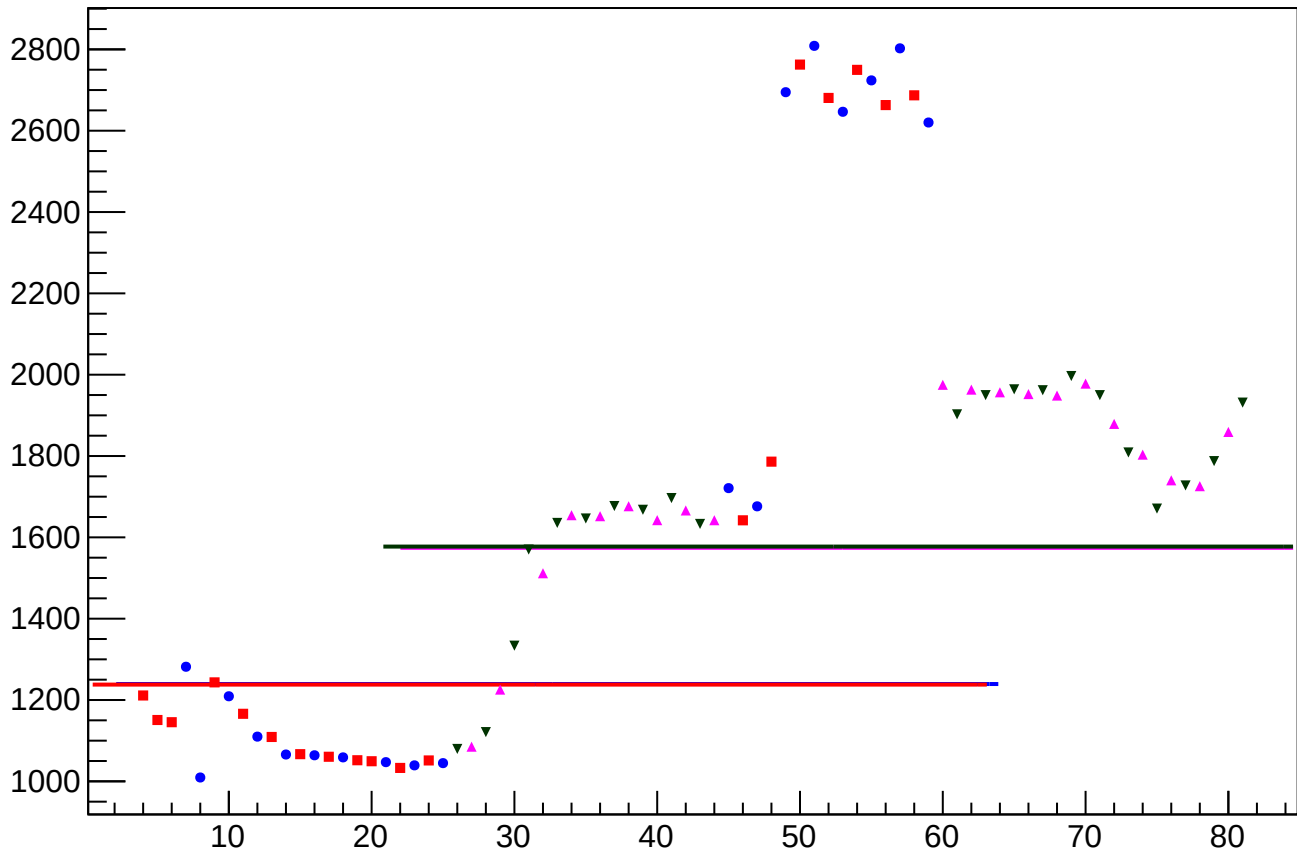
Right Out: -0.388 ± 0.412 χ^2/NDF : 44.0/18

Left In: -1.043 ± 0.478 χ^2/NDF : 45.9/19

1.526 ± 0.305 χ^2/NDF : 167.0/38

-0.667 ± 0.312 χ^2/NDF : 91.0/38

diff_bpm0l10Y_rms vs slug



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

Left Out: 1577.307 $\pm$ 0.343 χ^2 /NDF: 812283.8/20

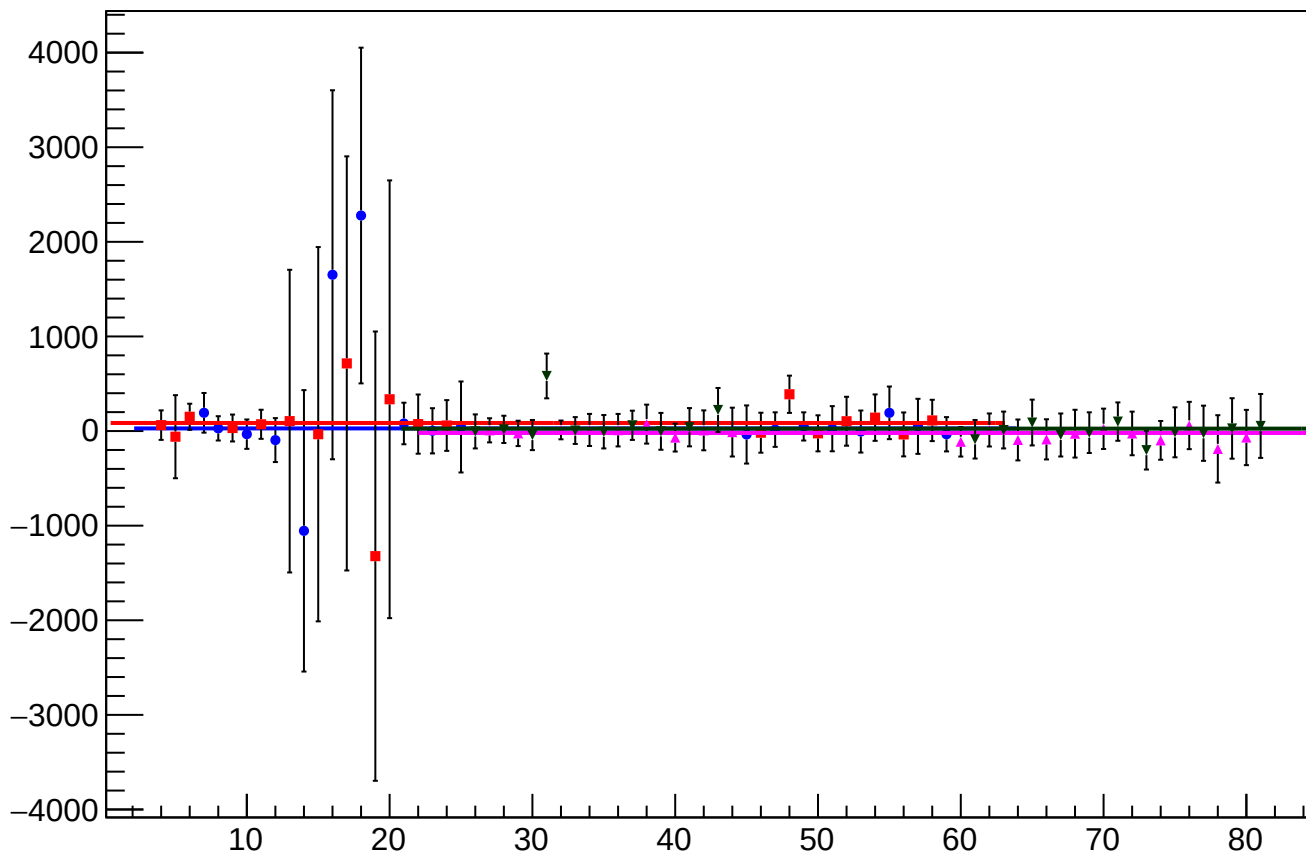
1372.974 $\pm$ 0.216 χ^2 /NDF: 4073615.9/38

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

1381.279 $\pm$ 0.221 χ^2 /NDF: 3313165.0/38

Left In: 1574.102 $\pm$ 0.338 χ^2 /NDF: 830442.6/19

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs slug



Right In: 27.874 $\pm$ 52.297 χ^2 /NDF: 4.5/17

Left Out: 25.623 $\pm$ 43.405 χ^2 /NDF:8.5/20

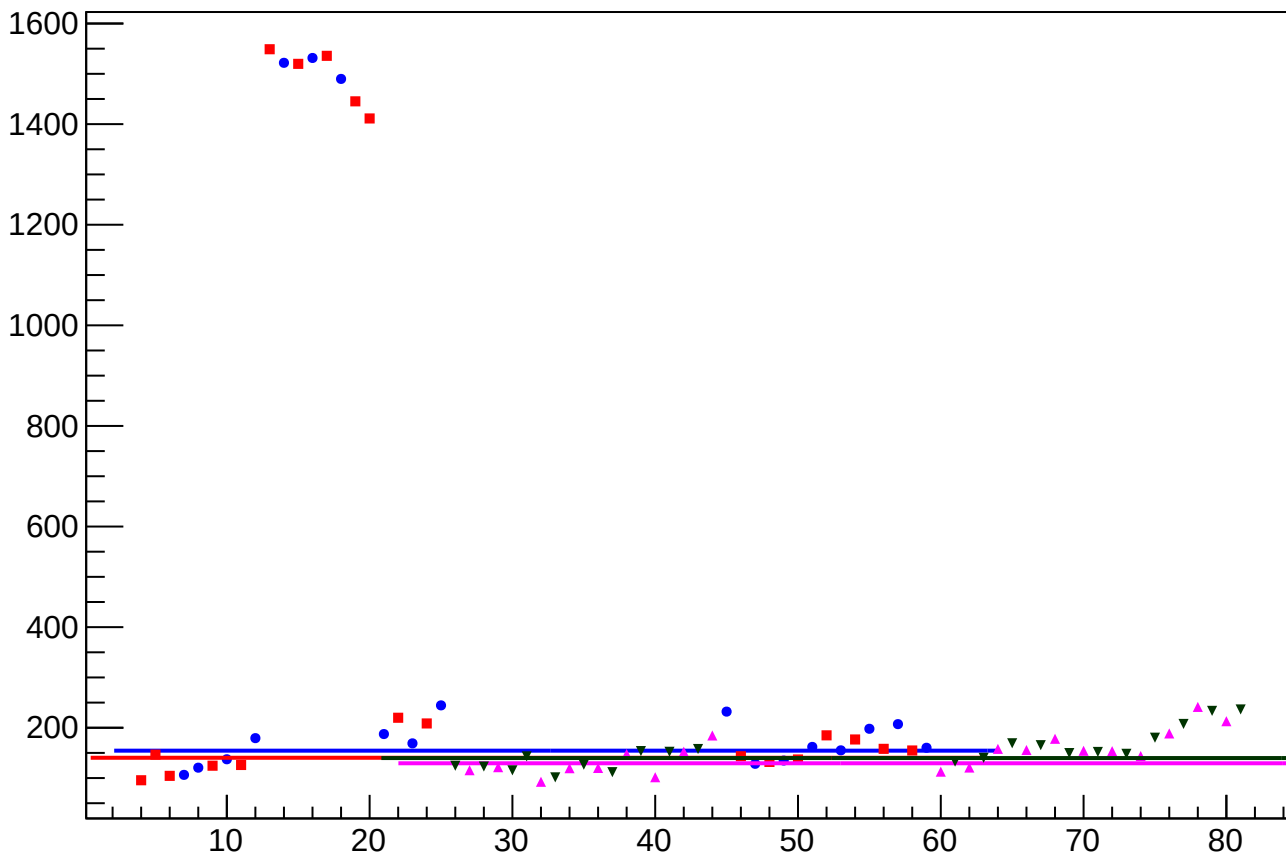
Right Out: 85.325 $\pm$ 52.506 χ^2 /NDF: 4.3/18

Left In: -20.250 $\pm$ 39.922 χ^2 /NDF:1.7/19

26.541 $\pm$ 33.400 χ^2 /NDF: 13.1/38

18.425 $\pm$ 31.779 χ^2 /NDF: 8.5/38

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: 139.767 $\pm$ 0.031 χ^2 /NDF: 905483.2/20

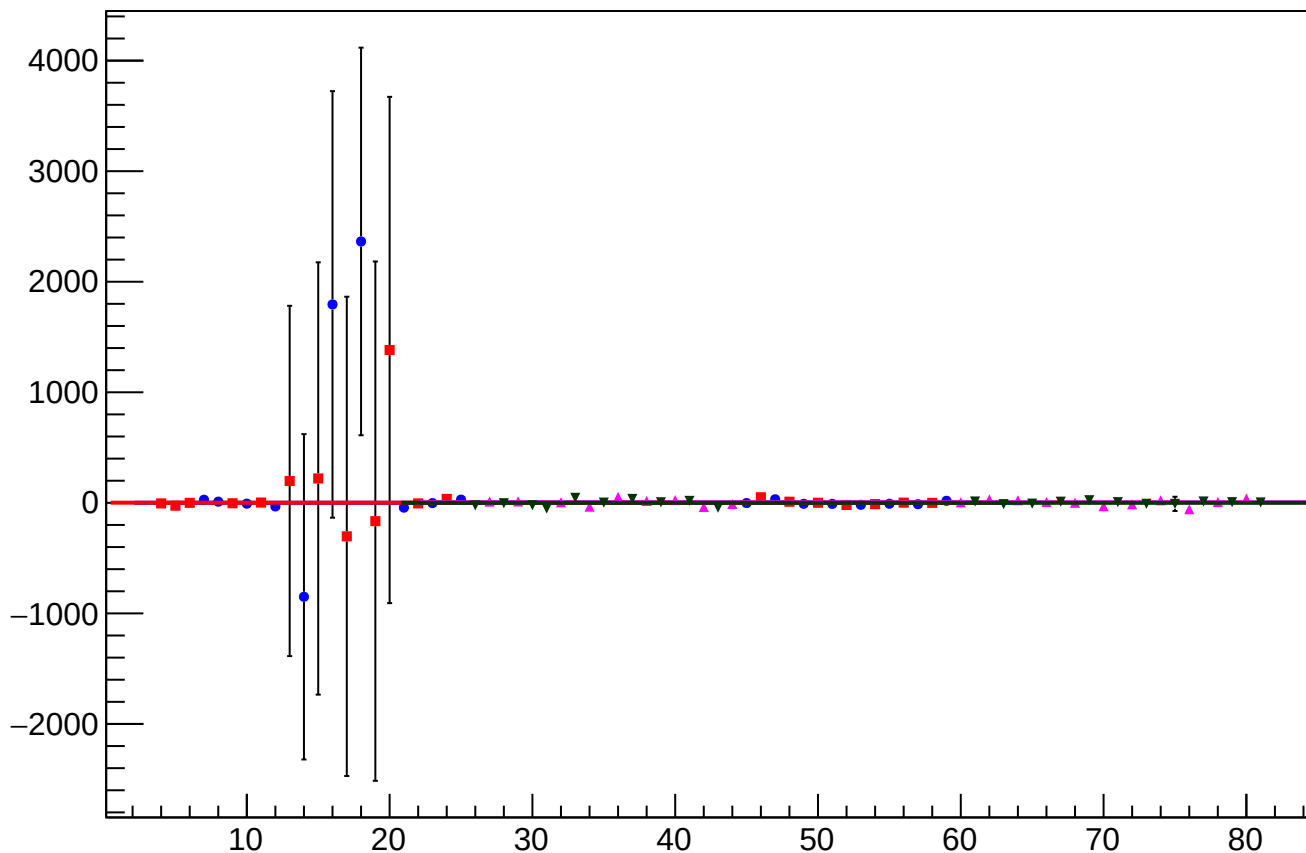
145.757 $\pm$ 0.024 χ^2 /NDF: 5555594.3/38

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

133.405 $\pm$ 0.022 χ^2 /NDF: 6549325.5/38

Left In: 129.393 $\pm$ 0.028 χ^2 /NDF: 1220125.1/19

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: 0.277+/-5.187 χ^2/NDF : 16.7/20

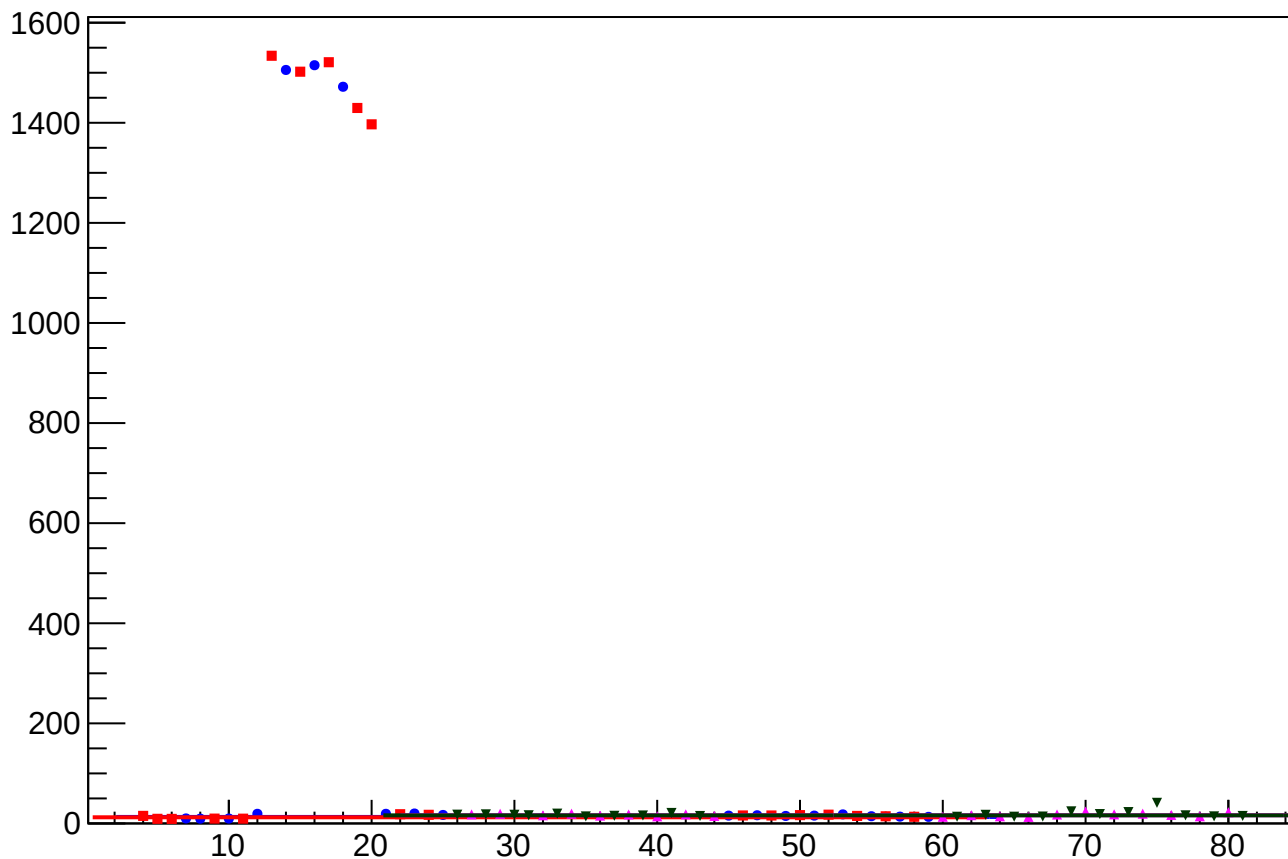
Right Out: 1.382+/-4.789 χ^2/NDF : 9.5/18

Left In: 5.967+/-5.162 χ^2/NDF : 21.8/19

0.447+/-3.447 χ^2/NDF : 33.3/38

3.503+/-3.511 χ^2/NDF : 31.7/38

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs slug



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

Left Out: 16.206+/-0.004 χ^2 /NDF: 757925.8/20

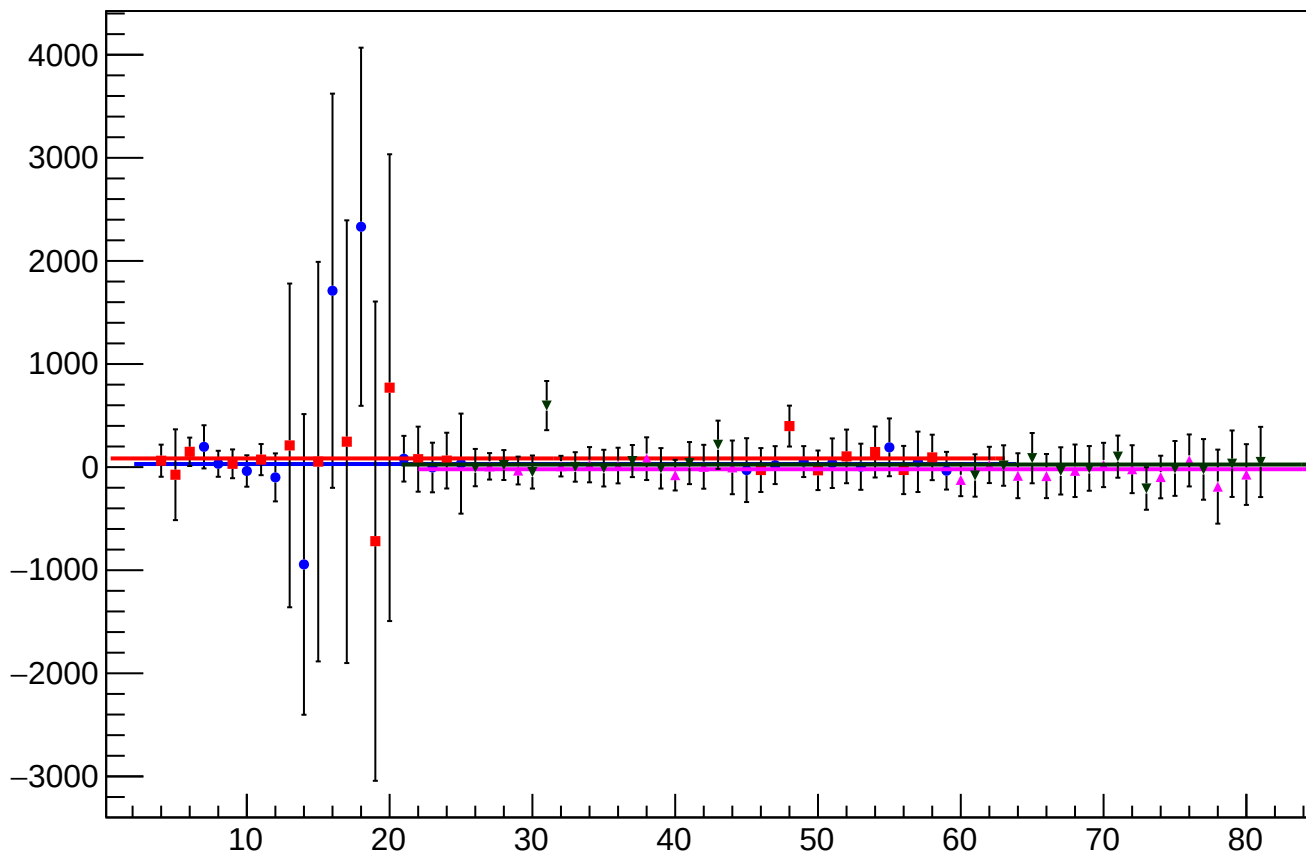
Right Out: 12.312+/-0.003 χ^2 /NDF: 6373010.7/18

Left In: 16.452+/-0.004 χ^2 /NDF: 460182.4/19

14.424+/-0.002 χ^2 /NDF: 6876466.7/38

14.227+/-0.002 χ^2 /NDF: 7524371.7/38

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs slug



Right In: 30.011 $\pm$ 52.267 χ^2 /NDF: 4.7/17

Left Out: 25.151 $\pm$ 43.751 χ^2 /NDF:8.7/20

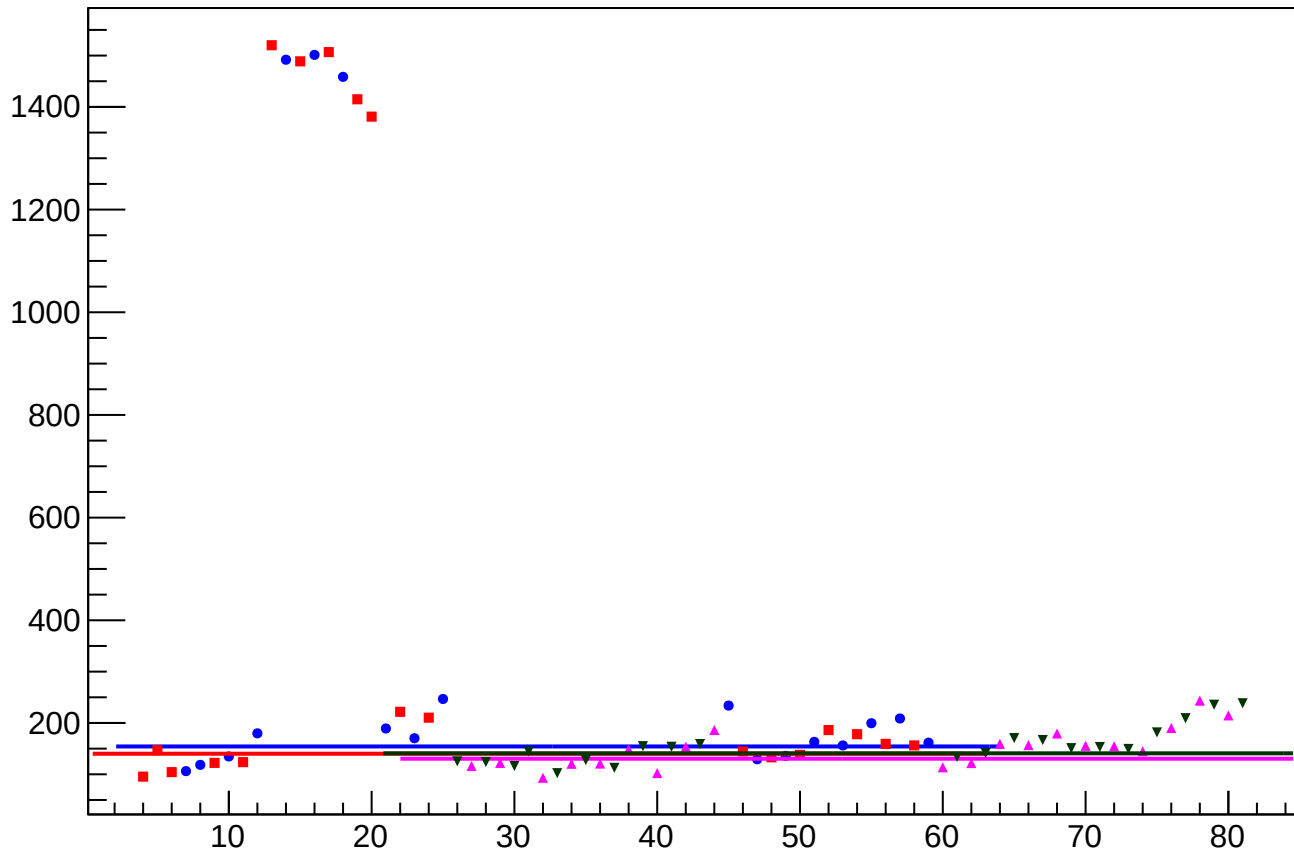
Right Out: 84.316 $\pm$ 52.424 χ^2 /NDF: 4.2/18

Left In: -20.410 $\pm$ 40.227 χ^2 /NDF:1.9/19

27.153 $\pm$ 33.549 χ^2 /NDF: 13.4/38

18.401 $\pm$ 31.914 χ^2 /NDF: 8.6/38

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: 140.874+/-0.031 χ^2/NDF : 906776.0/20

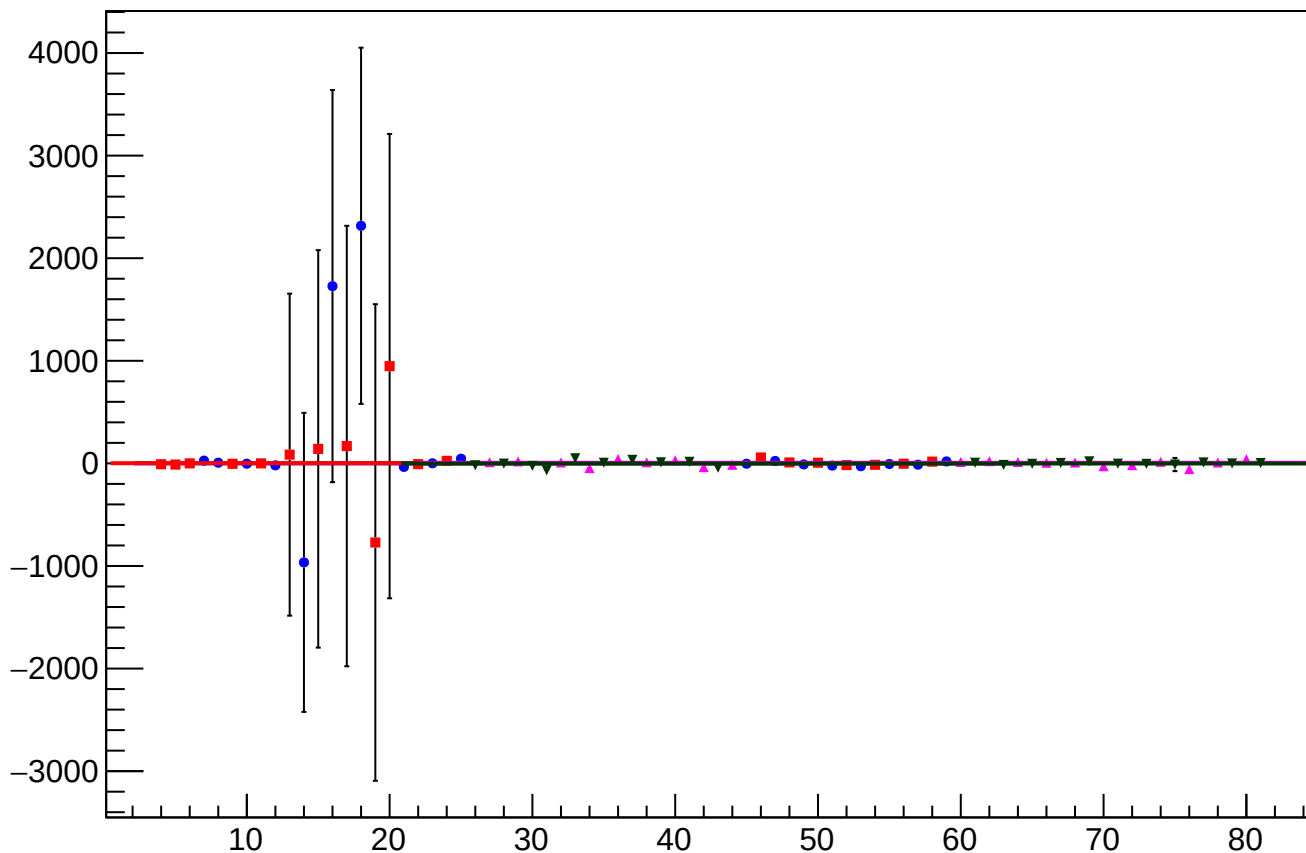
146.378+/-0.024 χ^2/NDF : 5568480.8/38

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

133.956+/-0.023 χ^2/NDF : 6556346.0/38

Left In: 130.368+/-0.028 χ^2/NDF : 1223489.9/19

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs slug



Right In: 0.652+/-4.315 χ^2/NDF : 16.0/17

Left Out: -1.152+/-5.078 χ^2/NDF : 19.4/20

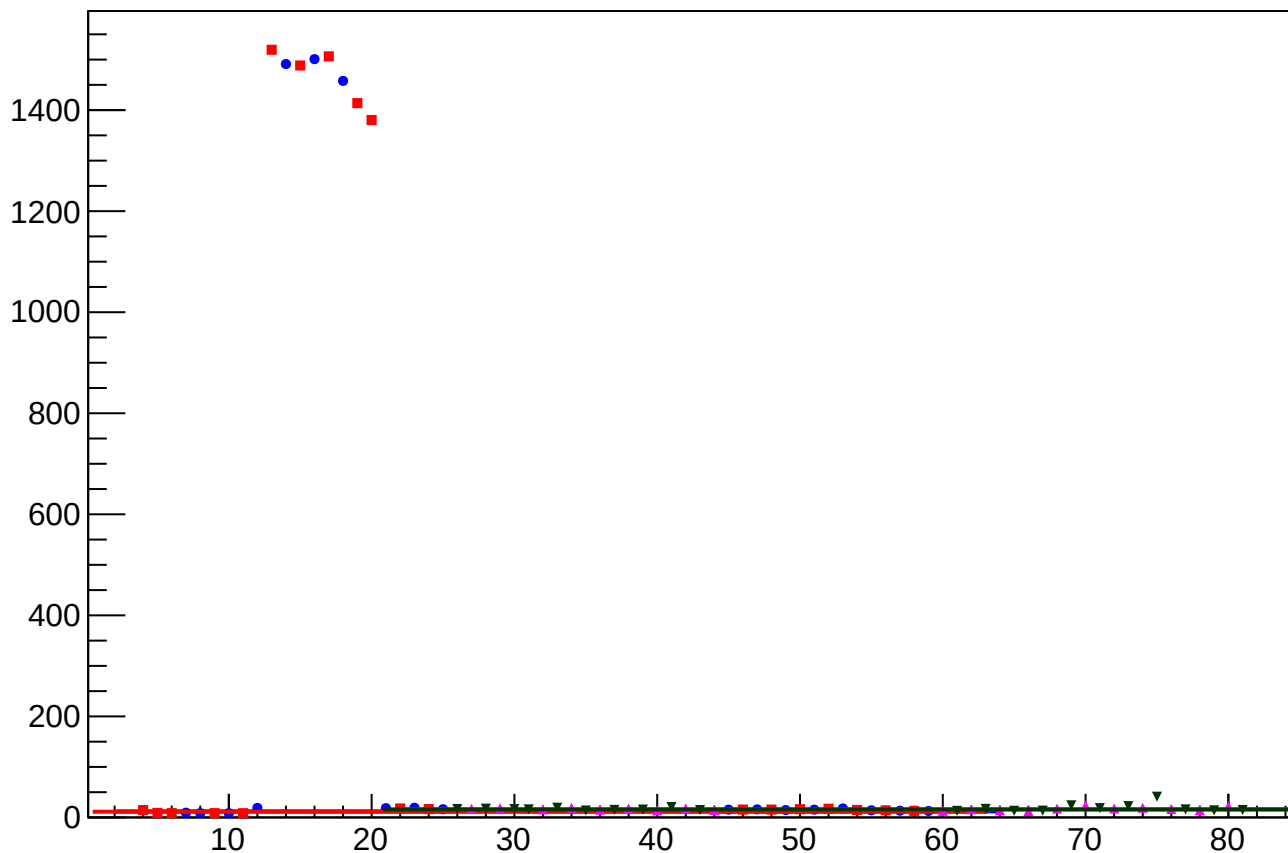
Right Out: 1.782+/-4.470 χ^2/NDF : 10.1/18

Left In: 5.964+/-5.054 χ^2/NDF : 21.2/19

-0.105+/-3.288 χ^2/NDF : 35.5/38

3.617+/-3.348 χ^2/NDF : 31.7/38

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs slug



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

Left Out: 15.838+/-0.004 χ^2/NDF : 762376.6/20

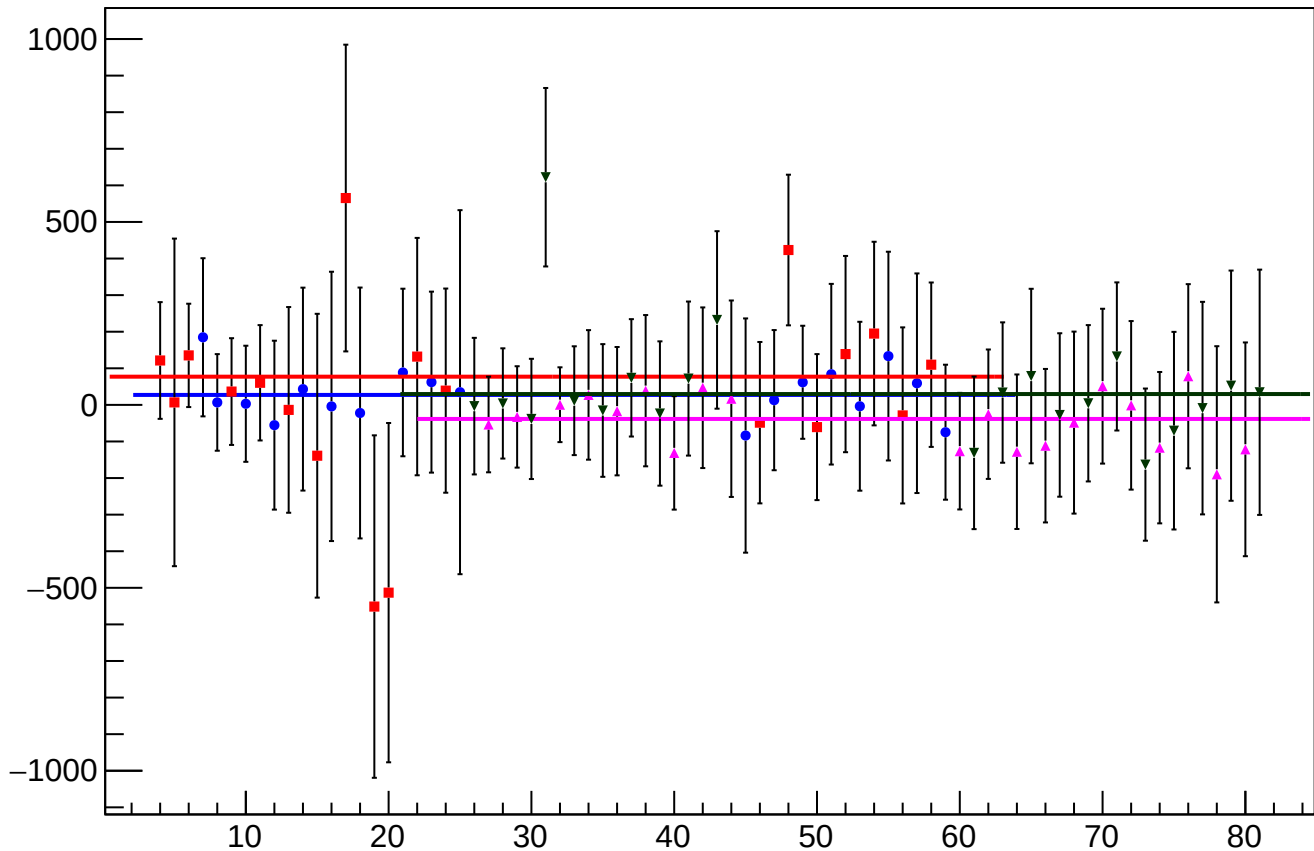
Right Out: 11.361+/-0.003 χ^2/NDF : 6645877.2/18

Left In: 16.077+/-0.004 χ^2/NDF : 460475.5/19

13.617+/-0.002 χ^2/NDF : 7482906.3/38

13.431+/-0.002 χ^2/NDF : 8083516.9/38

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: 29.627 $\pm$ 44.362 χ^2 /NDF: 9.1/20

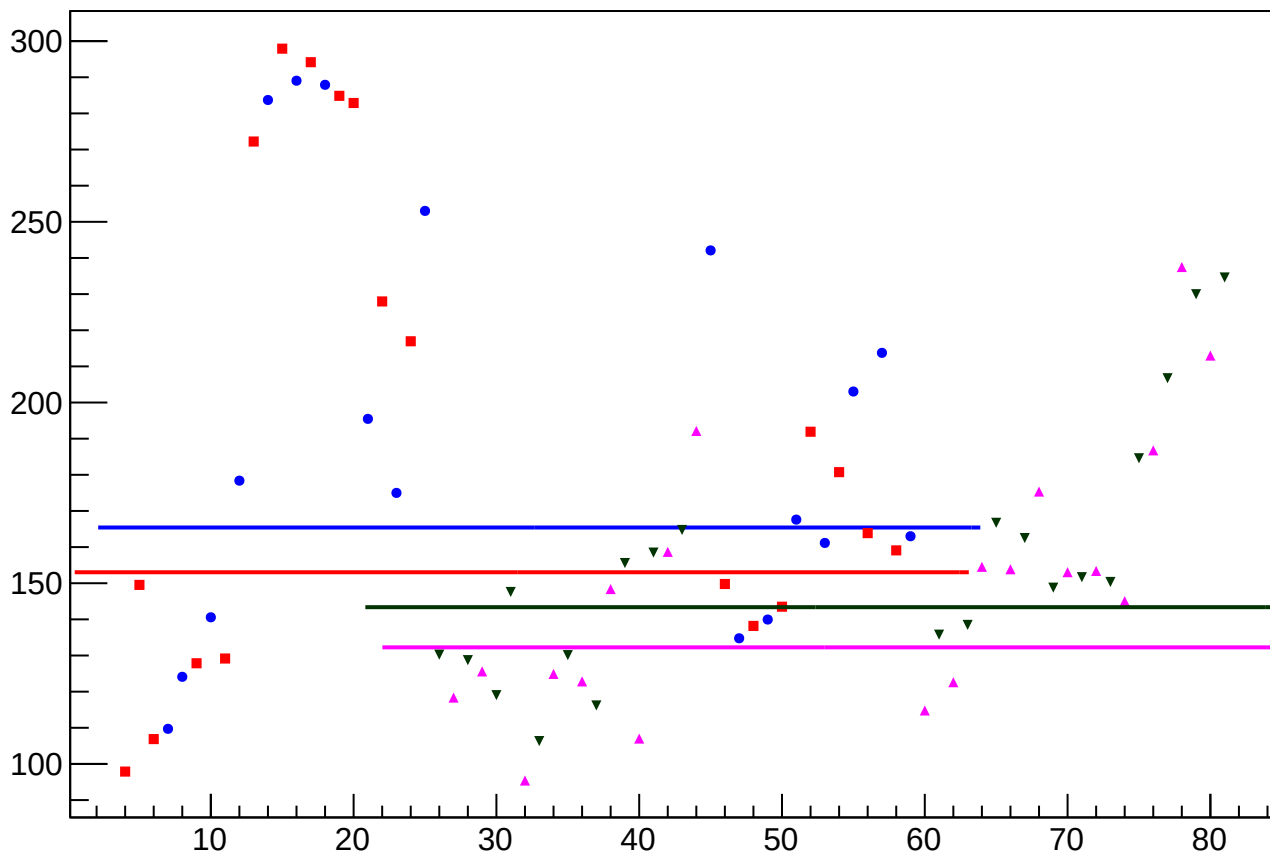
Right Out: 77.113 $\pm$ 51.687 χ^2 /NDF: 9.7/18

Left In: -38.414 $\pm$ 40.717 χ^2 /NDF: 2.4/19

28.611 $\pm$ 33.699 χ^2 /NDF: 10.6/38

5.825 $\pm$ 31.985 χ^2 /NDF: 15.3/38

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs slug



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

Left Out: 143.373 $\pm$ 0.031 χ^2 /NDF: 785149.2/20

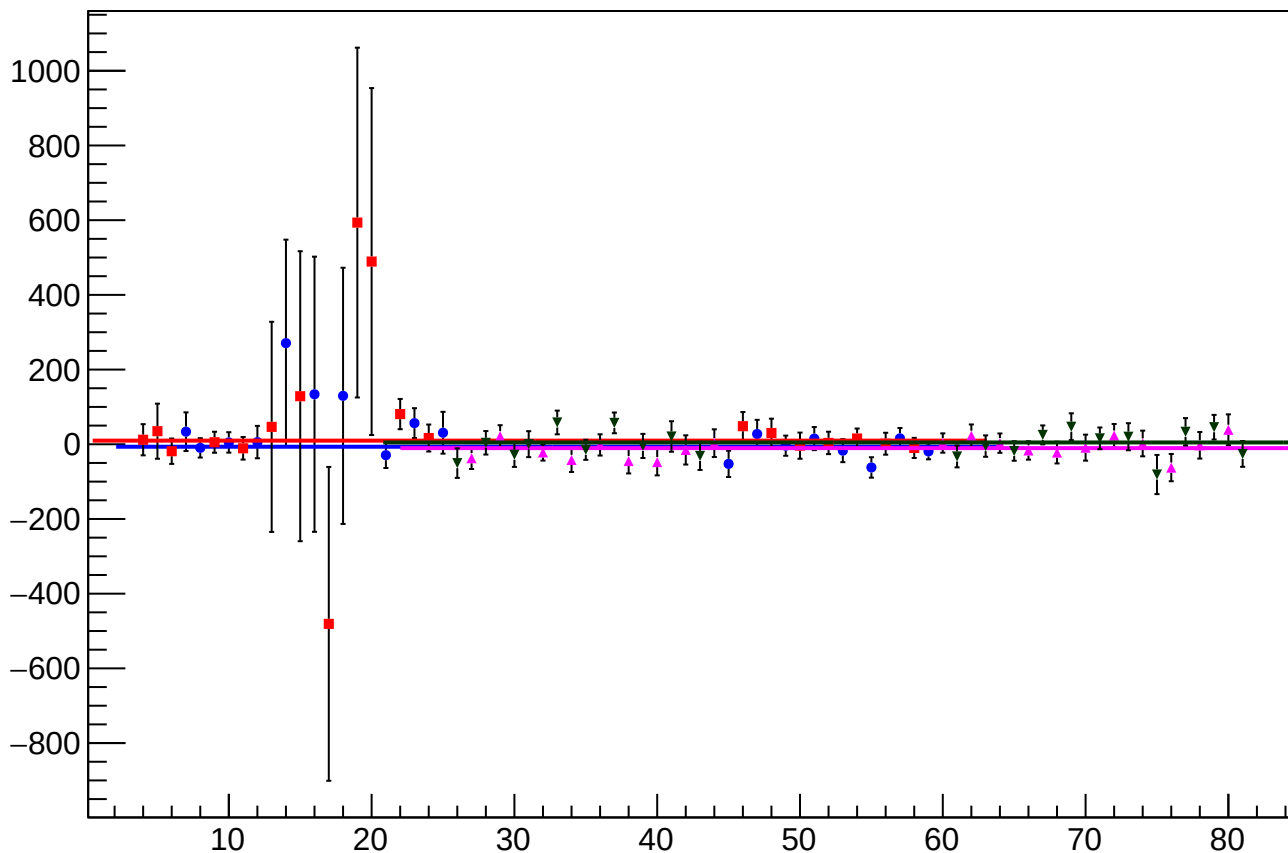
152.698 $\pm$ 0.024 χ^2 /NDF: 2630468.3/38

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

140.215 $\pm$ 0.023 χ^2 /NDF: 3331904.9/38

Left In: 132.256 $\pm$ 0.029 χ^2 /NDF: 1094492.7/19

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: 4.875+/-7.010 χ^2 /NDF:21.5/20

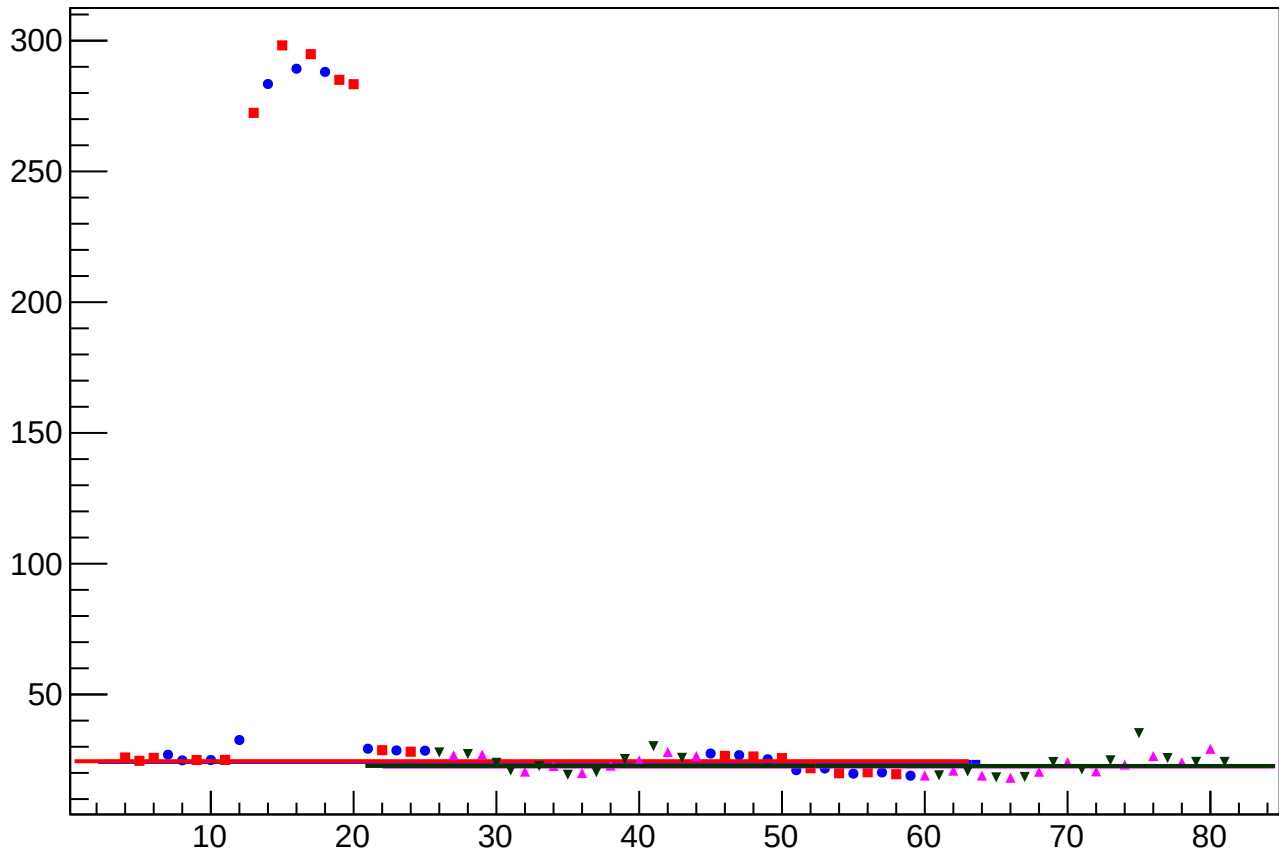
Right Out: 9.755+/-8.898 χ^2 /NDF: 10.7/18

Left In: -10.321+/-6.829 χ^2 /NDF:12.5/19

-0.049+/-5.291 χ^2 /NDF: 36.5/38

-2.880+/-5.417 χ^2 /NDF: 26.4/38

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs slug



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

Left Out: 22.668 $\pm$ 0.005 χ^2 /NDF: 527429.2/20

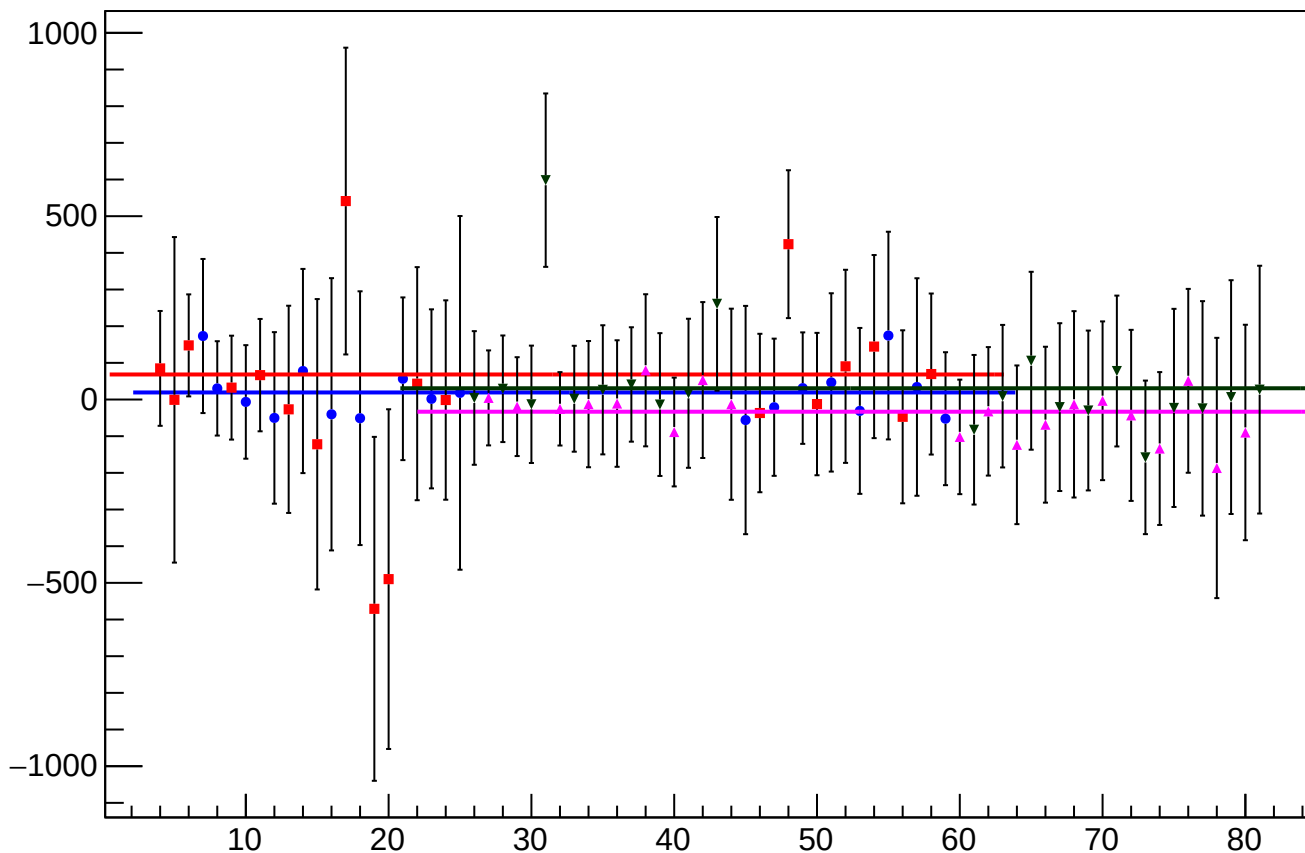
23.338 $\pm$ 0.004 χ^2 /NDF: 4982987.5/38

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

23.176 $\pm$ 0.004 χ^2 /NDF: 5364666.6/38

Left In: 22.417 $\pm$ 0.005 χ^2 /NDF: 437948.1/19

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: 30.706+/-43.764 χ^2/NDF : 8.4/20

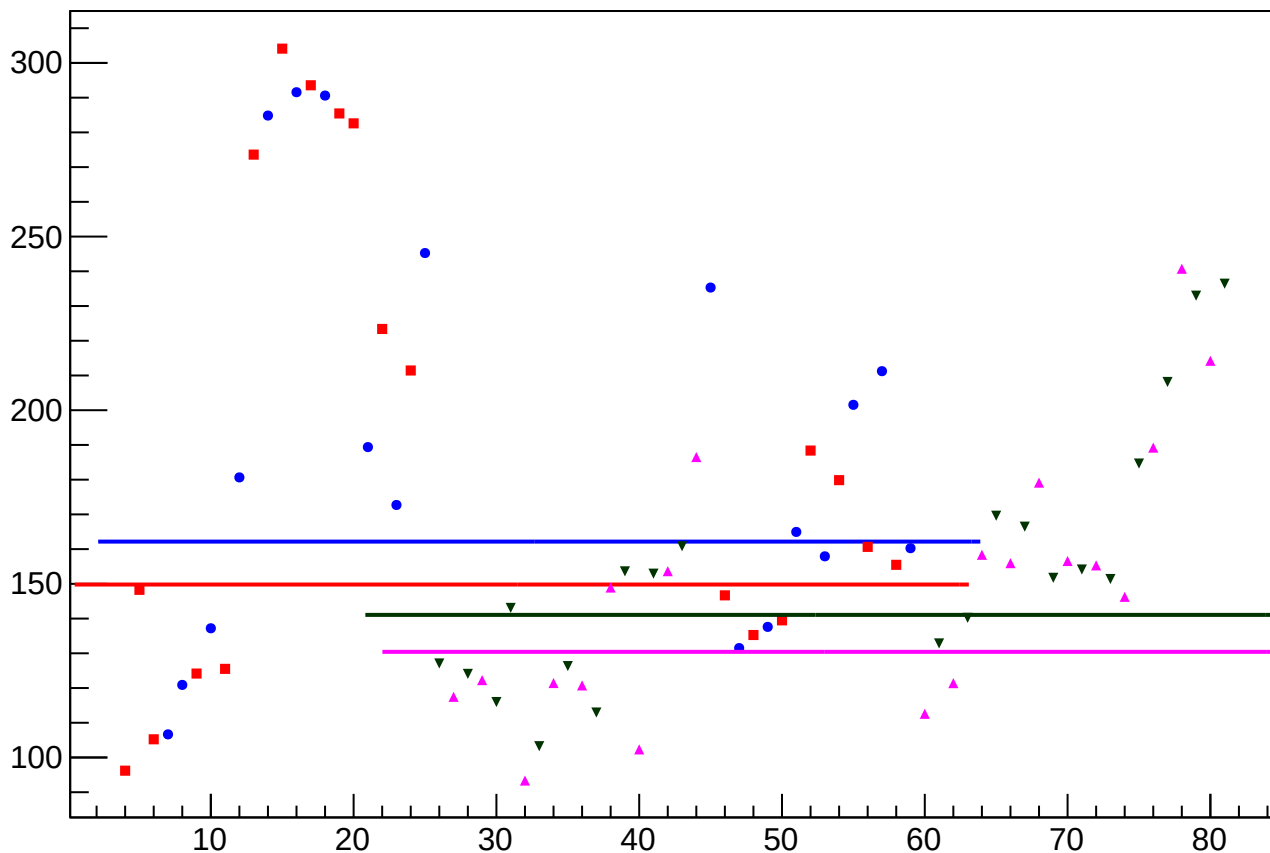
Right Out: 68.308+/-50.710 χ^2/NDF : 9.3/18

Left In: -33.267+/-40.224 χ^2/NDF : 1.7/19

25.844+/-33.188 χ^2/NDF : 9.9/38

5.961+/-31.514 χ^2/NDF : 13.5/38

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs slug



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

Left Out: 141.062 ± 0.031 $\chi^2/\text{NDF}: 889644.2/20$

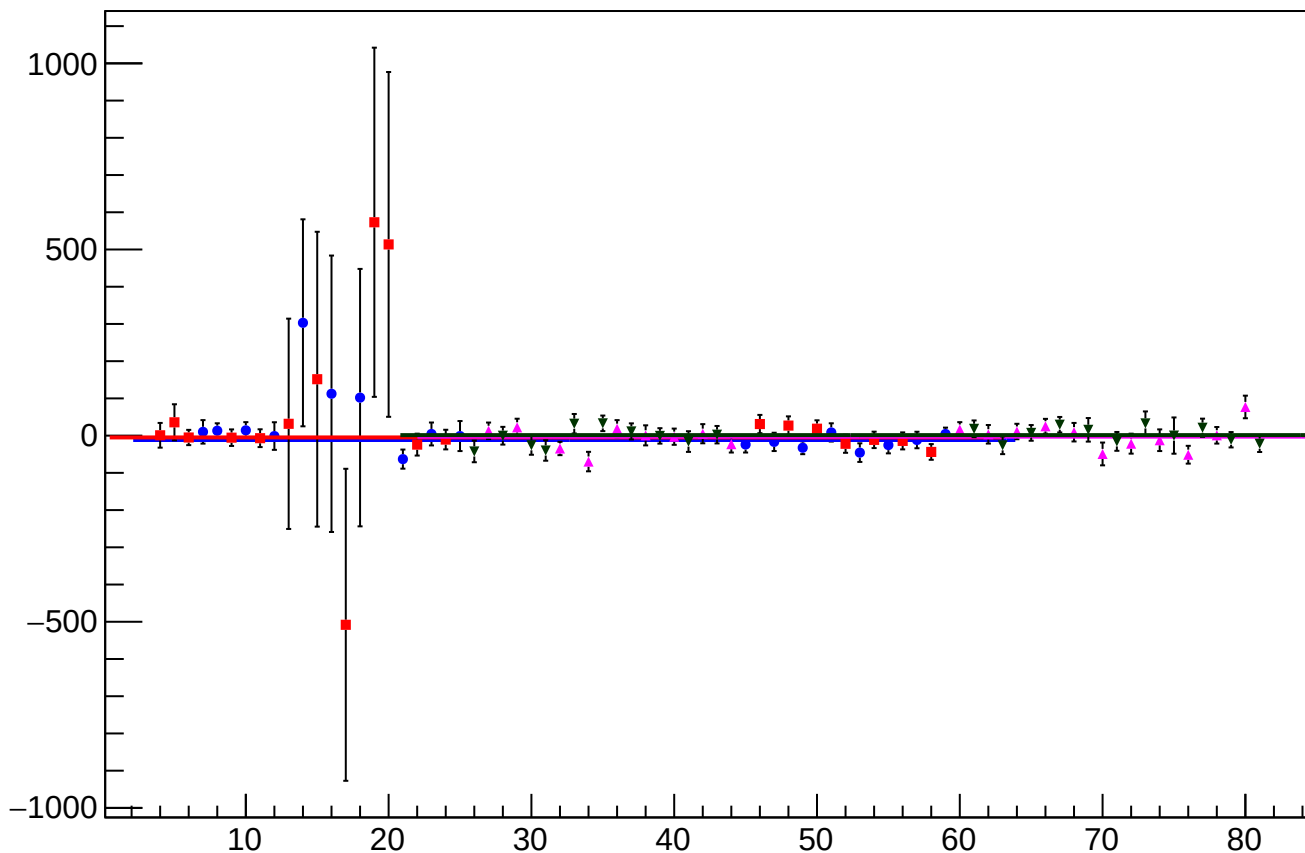
150.030 ± 0.023 $\chi^2/\text{NDF}: 2807880.2/38$

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

137.905 ± 0.022 $\chi^2/\text{NDF}: 3508099.4/38$

Left In: 130.419 ± 0.028 $\chi^2/\text{NDF}: 1214123.7/19$

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs slug



Right In: -11.713 ± 6.036 χ^2/NDF : 15.0/17

Left Out: 1.369 ± 5.312 χ^2/NDF : 17.4/20

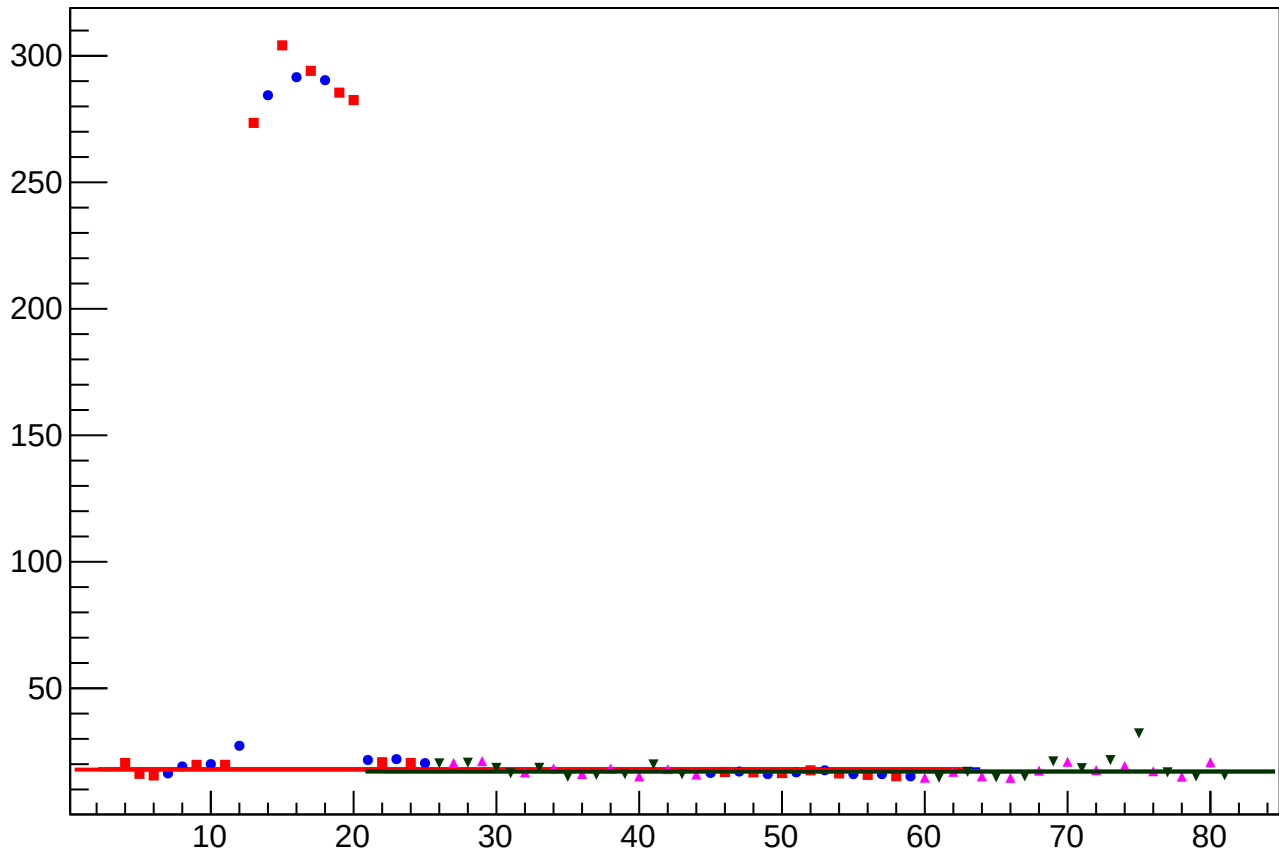
Right Out: -4.846 ± 6.550 χ^2/NDF : 14.7/18

Left In: -2.747 ± 5.243 χ^2/NDF : 30.7/19

-4.342 ± 3.988 χ^2/NDF : 35.1/38

-3.567 ± 4.093 χ^2/NDF : 45.4/38

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs slug



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

Left Out: 17.063 $\pm$ 0.004 χ^2 /NDF: 500504.1/20

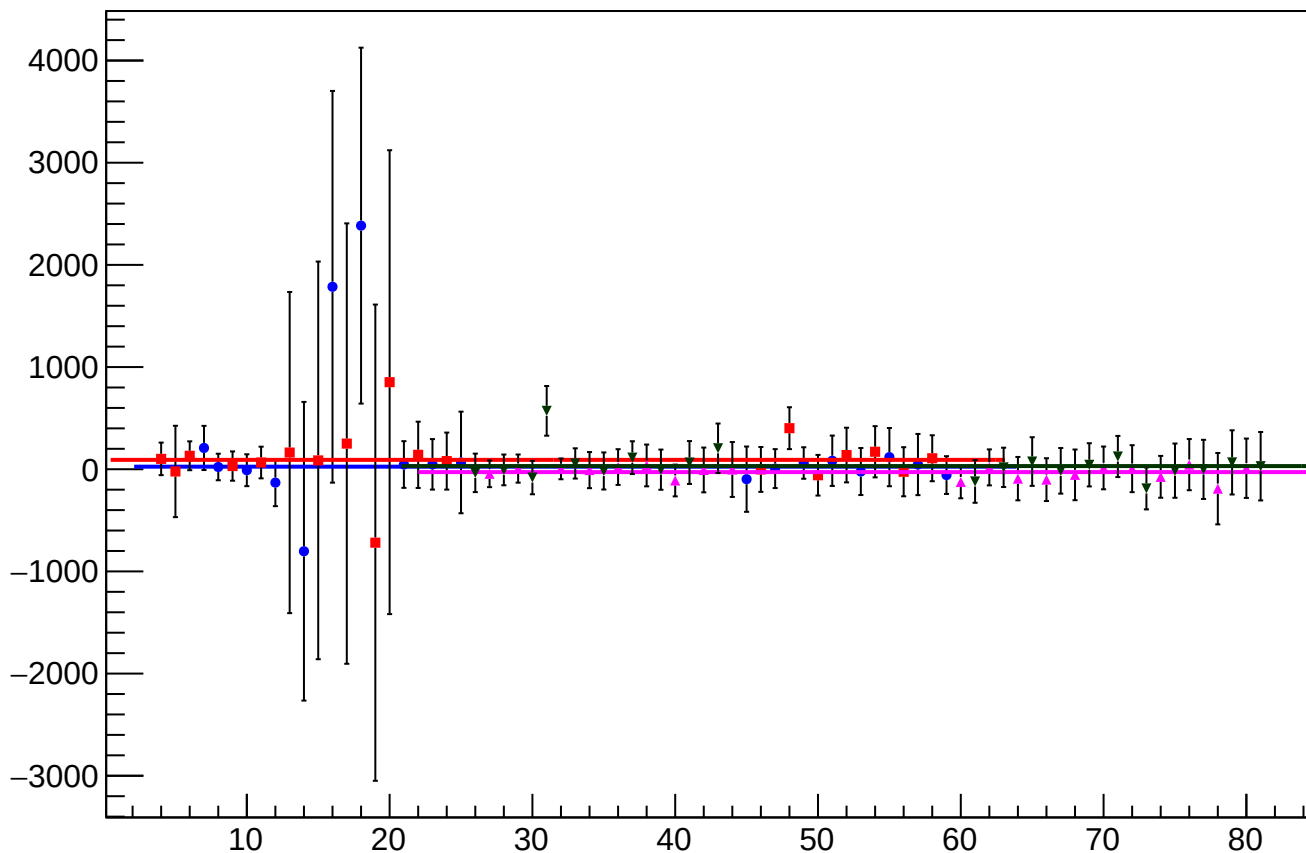
Right Out: 17.855 $\pm$ 0.005 χ^2 /NDF: 5034119.1/18

Left In: 17.146 $\pm$ 0.004 χ^2 /NDF: 313630.1/19

17.466 $\pm$ 0.003 χ^2 /NDF: 5052202.1/38

17.422 $\pm$ 0.003 χ^2 /NDF: 5362029.3/38

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: 30.934+/-44.250 χ^2/NDF : 8.6/20

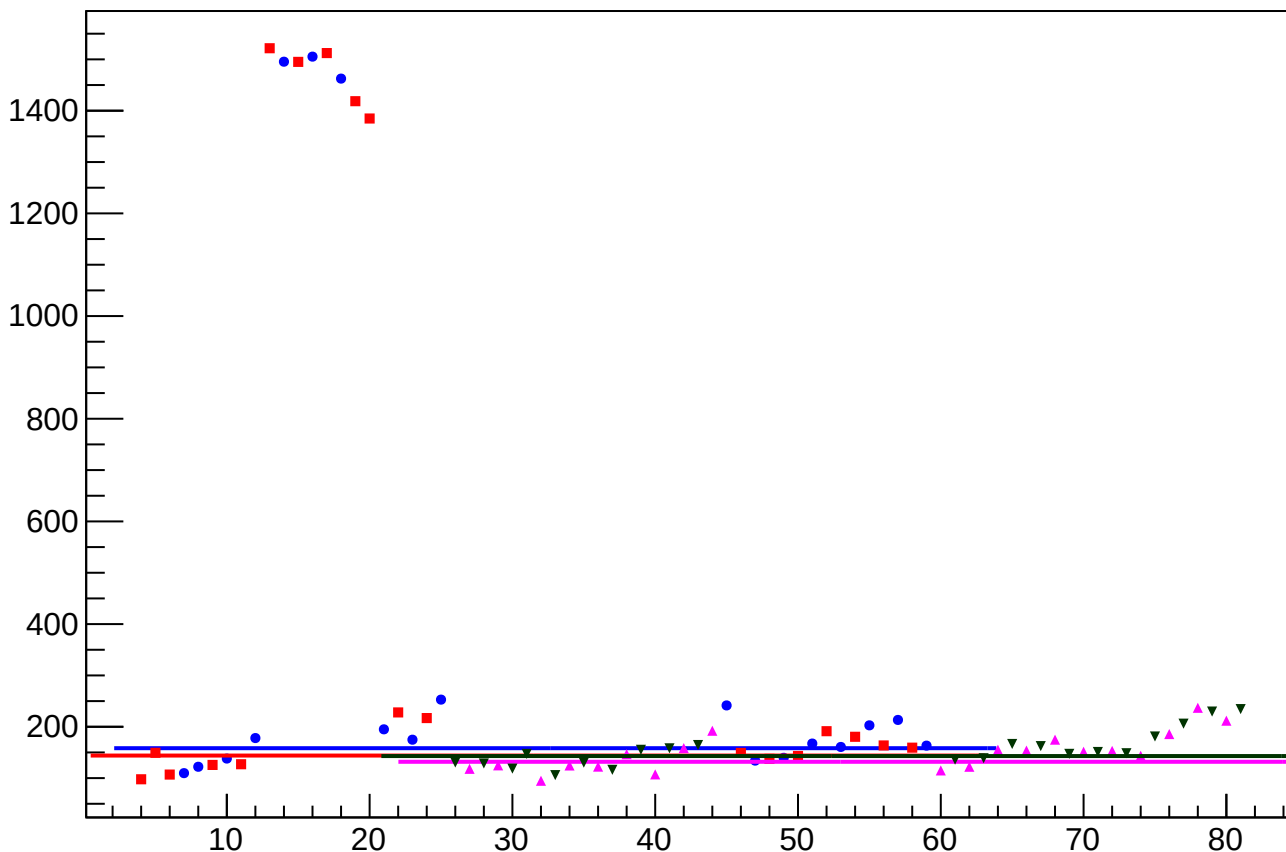
Right Out: 91.771+/-53.823 χ^2/NDF : 4.0/18

Left In: -28.083+/-40.576 χ^2/NDF : 1.8/19

28.572+/-34.108 χ^2/NDF : 13.4/38

15.350+/-32.400 χ^2/NDF : 9.0/38

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs slug



Right In: 158.277 ± 0.038 $\chi^2/\text{NDF}: 4538983.8/17$

Left Out: 142.963 ± 0.031 $\chi^2/\text{NDF}: 778736.1/20$

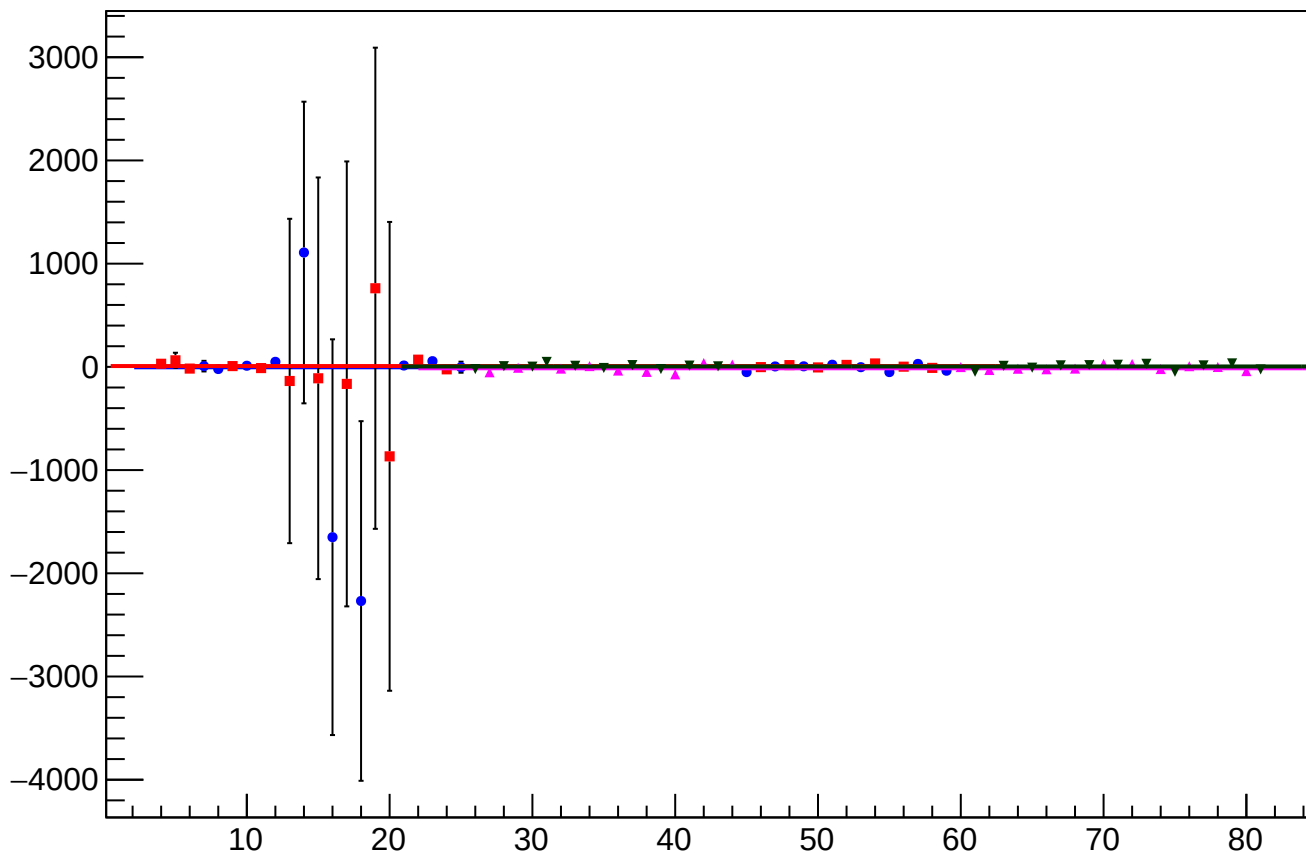
149.178 ± 0.024 $\chi^2/\text{NDF}: 5414928.9/38$

Right Out: 143.939 ± 0.038 $\chi^2/\text{NDF}: 5267987.5/18$

136.190 ± 0.023 $\chi^2/\text{NDF}: 6427023.7/38$

Left In: 131.786 ± 0.029 $\chi^2/\text{NDF}: 1094022.6/19$

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: 3.967+/-6.552 χ^2/NDF : 12.2/20

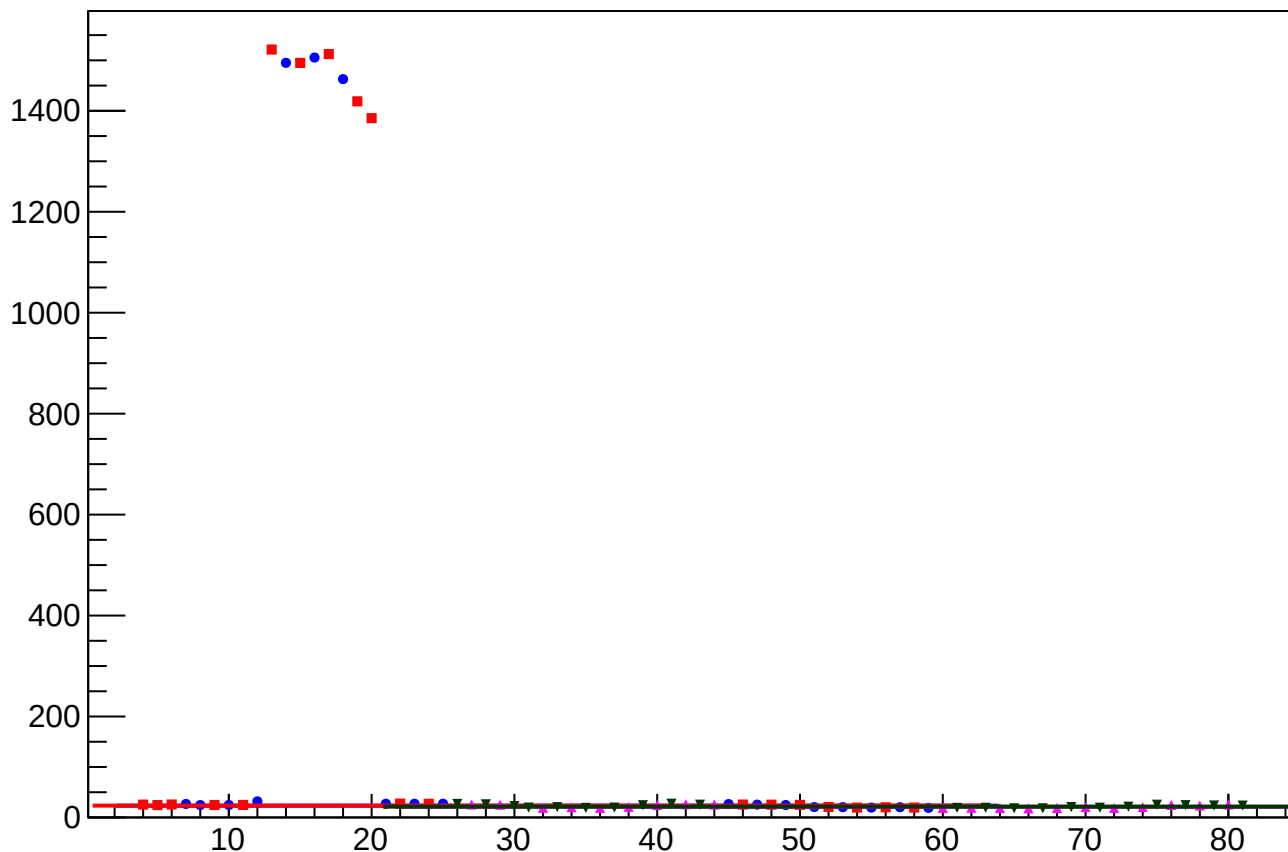
Right Out: 7.973+/-8.718 χ^2/NDF : 7.3/18

Left In: -13.809+/-6.377 χ^2/NDF : 16.6/19

0.680+/-5.037 χ^2/NDF : 30.4/38

-6.217+/-5.147 χ^2/NDF : 28.0/38

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs slug



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

Left Out: 21.424+/-0.005 χ^2/NDF : 380130.6/20

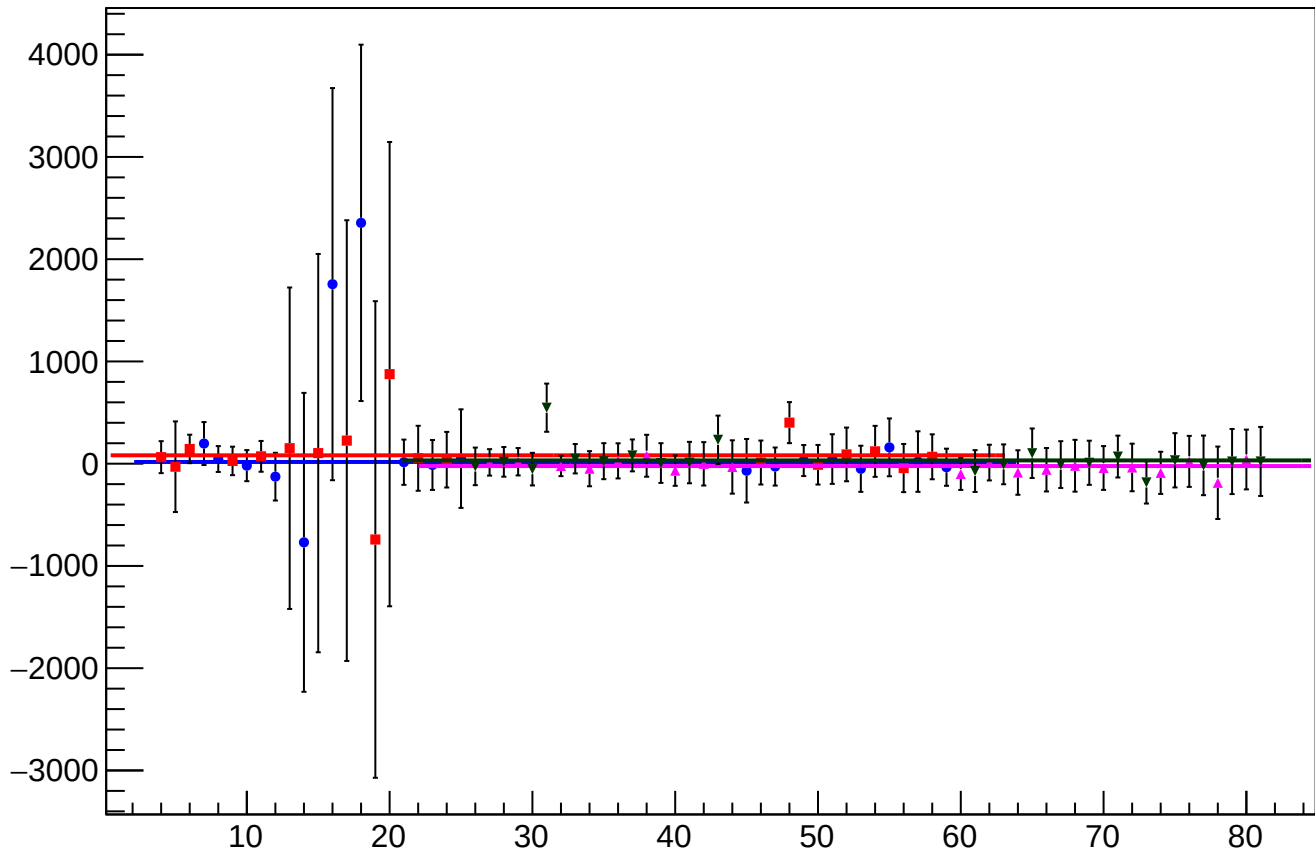
Right Out: 23.445+/-0.006 χ^2/NDF : 5561556.7/18

Left In: 21.134+/-0.005 χ^2/NDF : 395060.3/19

22.206+/-0.004 χ^2/NDF : 5415060.9/38

21.939+/-0.004 χ^2/NDF : 6048199.9/38

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: 32.178+/-43.654 χ^2/NDF : 7.6/20

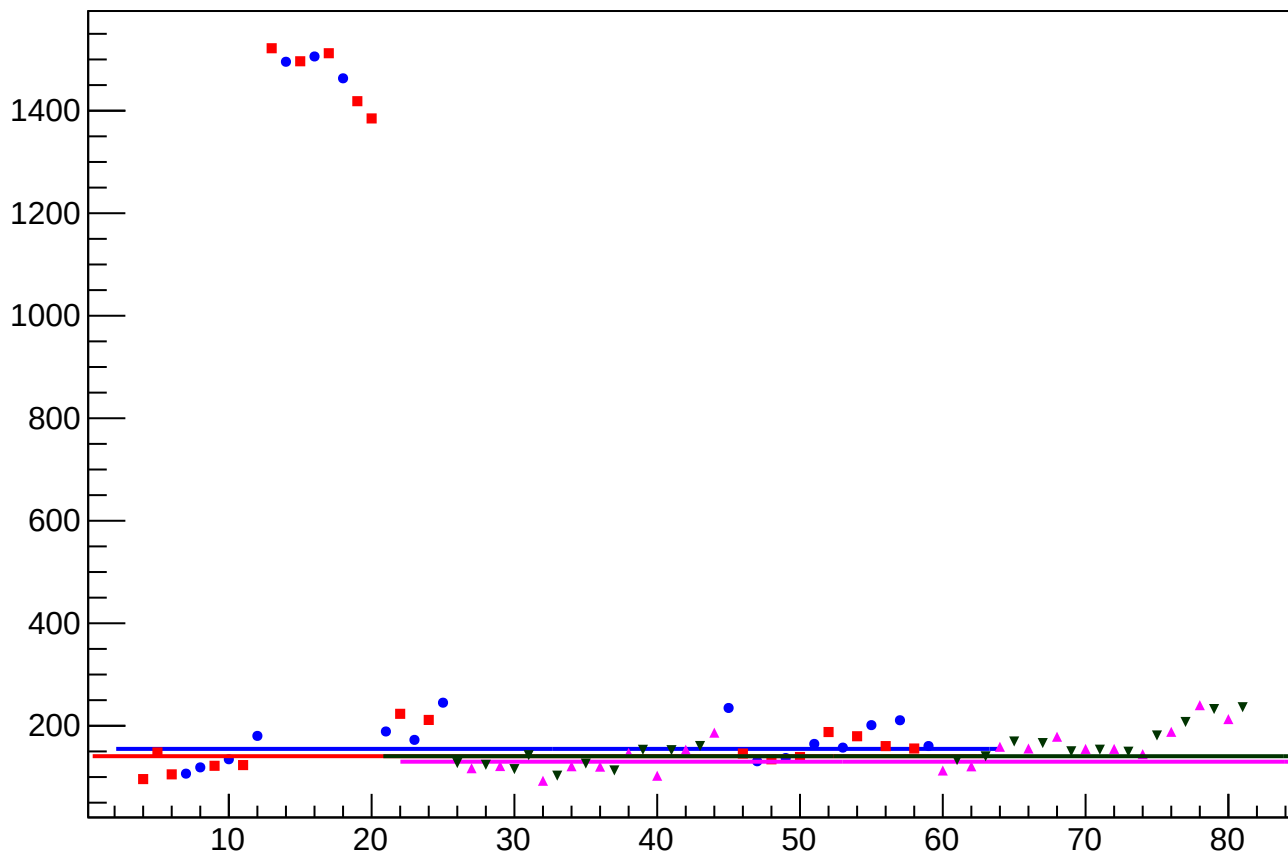
Right Out: 81.906+/-52.666 χ^2/NDF : 3.9/18

Left In: -23.134+/-40.083 χ^2/NDF : 1.4/19

25.946+/-33.563 χ^2/NDF : 12.4/38

15.393+/-31.896 χ^2/NDF : 7.9/38

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs slug



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

Left Out: 140.659 $\pm$ 0.031 χ^2 /NDF: 882686.8/20

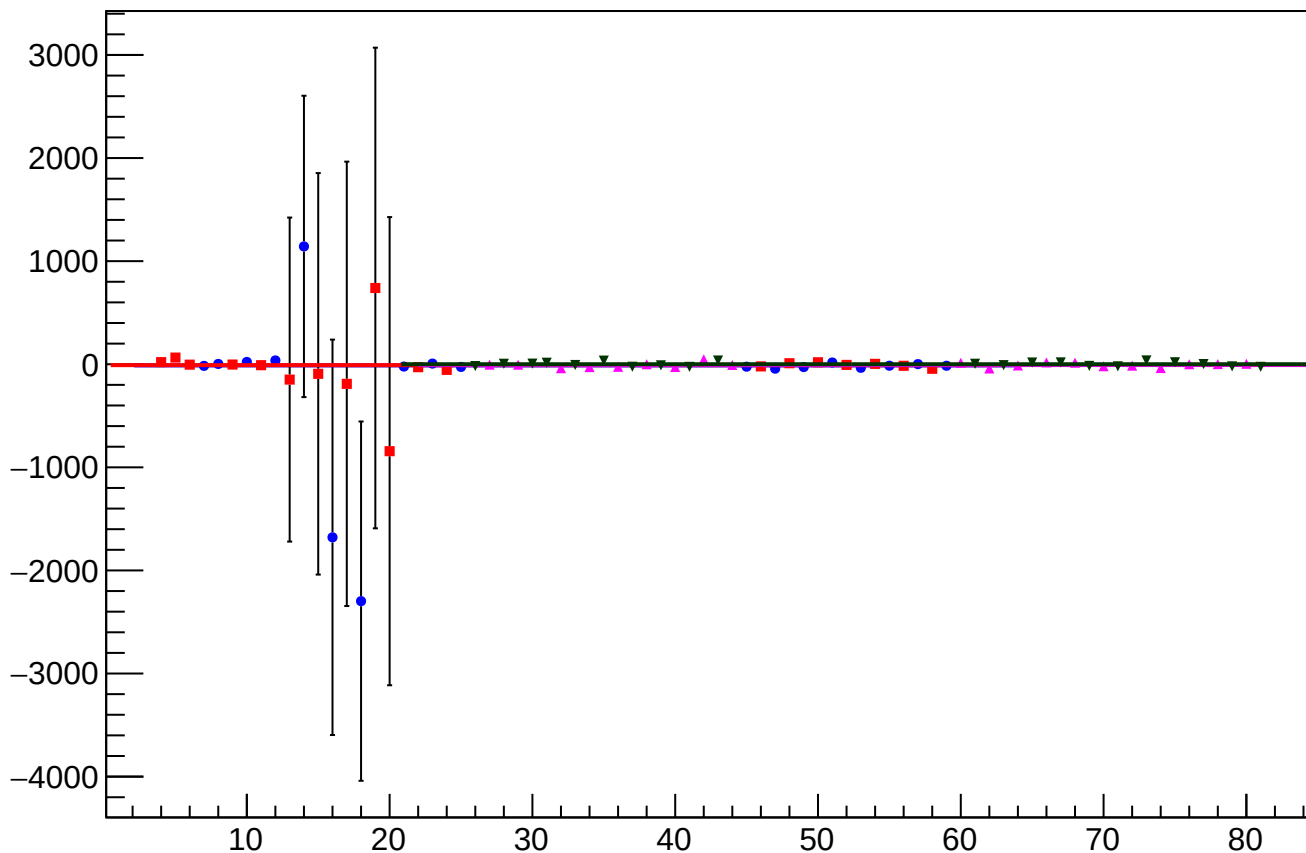
Right Out: 140.710 $\pm$ 0.037 χ^2 /NDF: 5291988.7/18

Left In: 129.951 $\pm$ 0.028 χ^2 /NDF: 1213765.8/19

146.501 $\pm$ 0.024 χ^2 /NDF: 5550890.5/38

133.897 $\pm$ 0.023 χ^2 /NDF: 6558607.2/38

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs slug



Right In: -11.332 $\pm$ 5.773 χ^2 /NDF: 15.0/17

Left Out: 0.059 $\pm$ 4.895 χ^2 /NDF: 17.3/20

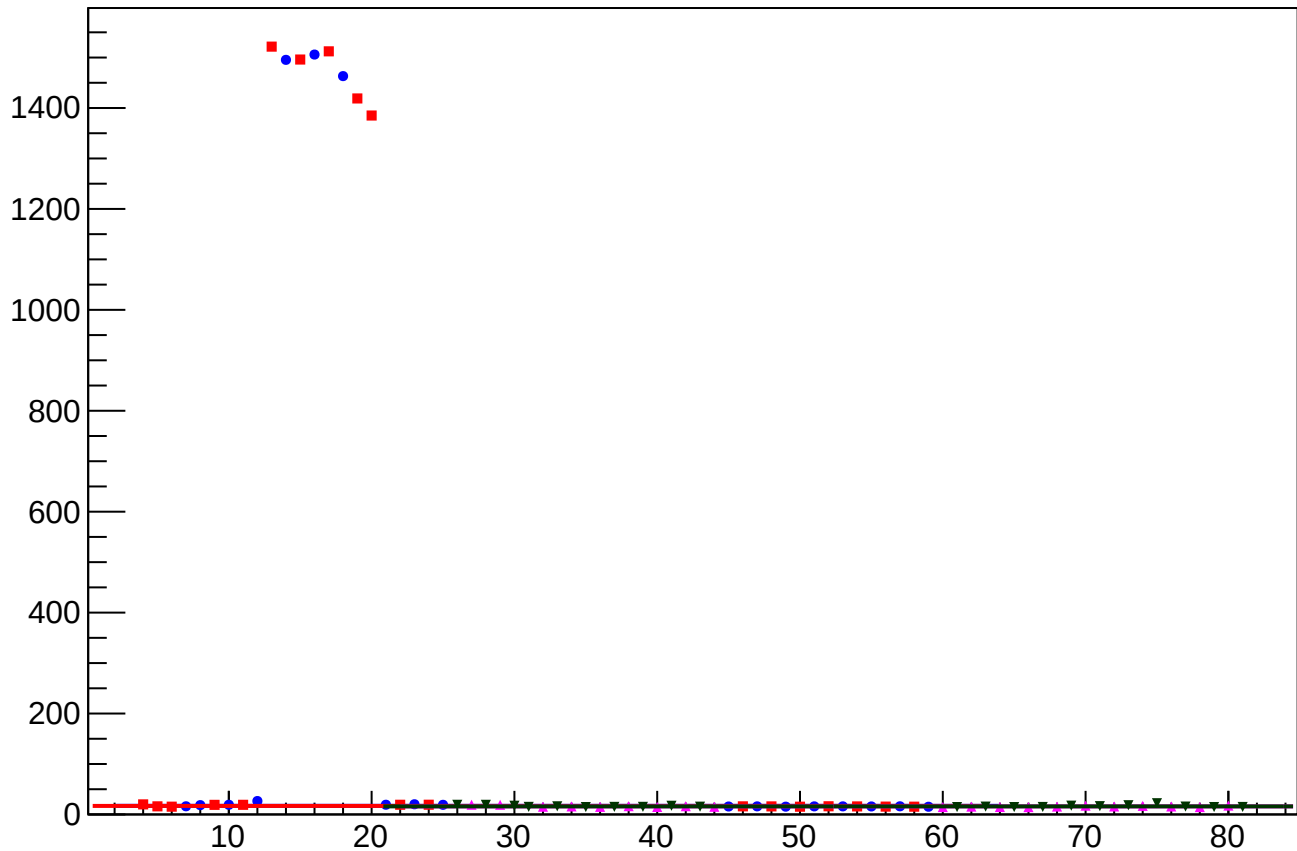
Right Out: -8.864 $\pm$ 6.293 χ^2 /NDF: 13.3/18

Left In: -8.068 $\pm$ 4.809 χ^2 /NDF: 20.2/19

-4.705 $\pm$ 3.733 χ^2 /NDF: 34.5/38

-8.362 $\pm$ 3.821 χ^2 /NDF: 33.6/38

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs slug



Right In: 17.094 $\pm$ 0.004 χ^2 /NDF: 4922010.4/17

Left Out: 16.016 $\pm$ 0.003 χ^2 /NDF:234308.6/20

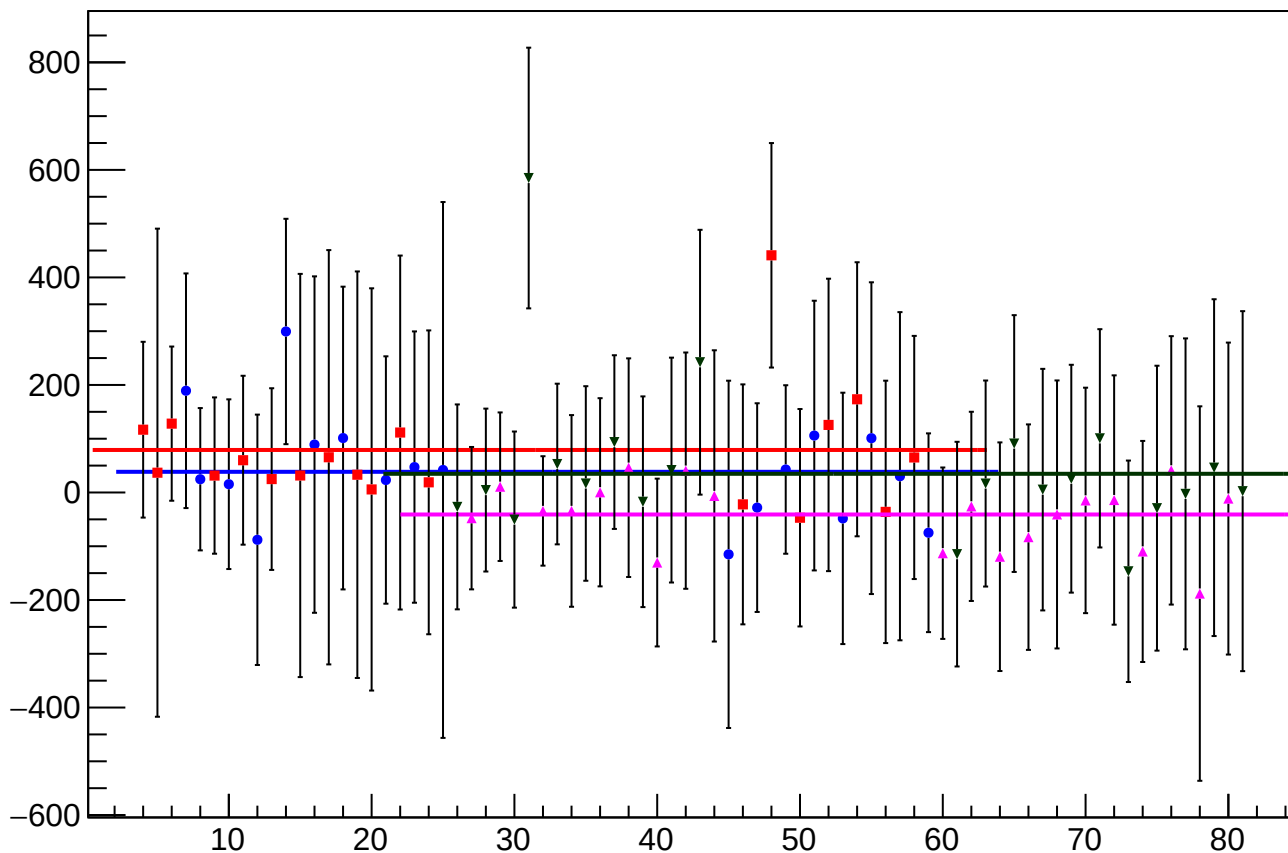
Right Out: 16.920 $\pm$ 0.004 χ^2 /NDF: 5539958.1/18

Left In: 15.996 $\pm$ 0.003 χ^2 /NDF:164366.1/19

16.467 $\pm$ 0.003 χ^2 /NDF: 5196867.8/38

16.337 $\pm$ 0.003 χ^2 /NDF: 5731519.6/38

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: 34.757+/-44.394 χ^2/NDF : 8.1/20

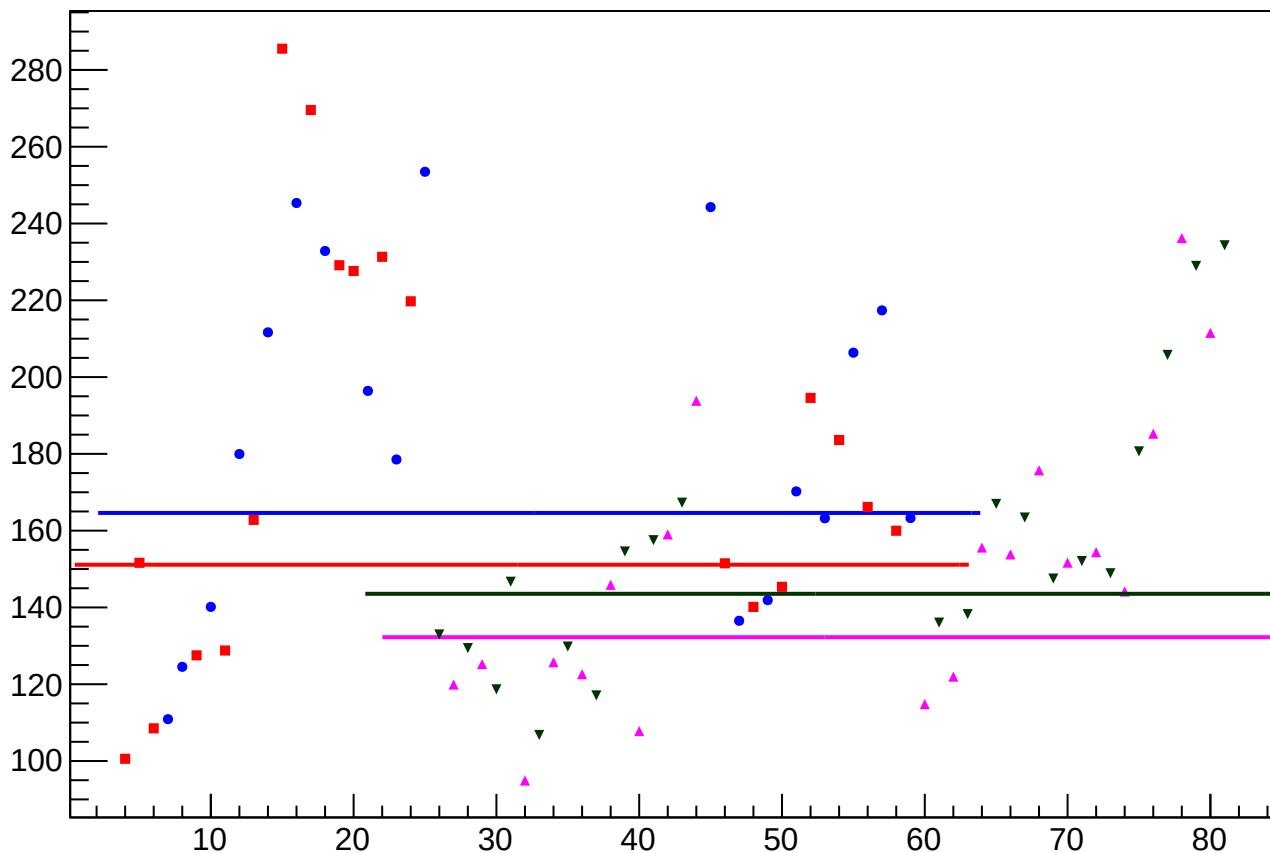
Right Out: 79.078+/-50.233 χ^2/NDF : 4.5/18

Left In: -40.937+/-40.706 χ^2/NDF : 1.7/19

36.347+/-33.496 χ^2/NDF : 11.5/38

6.634+/-31.626 χ^2/NDF : 9.7/38

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs slug



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

Left Out: 143.551 $\pm$ 0.031 χ^2 /NDF: 762330.5/20

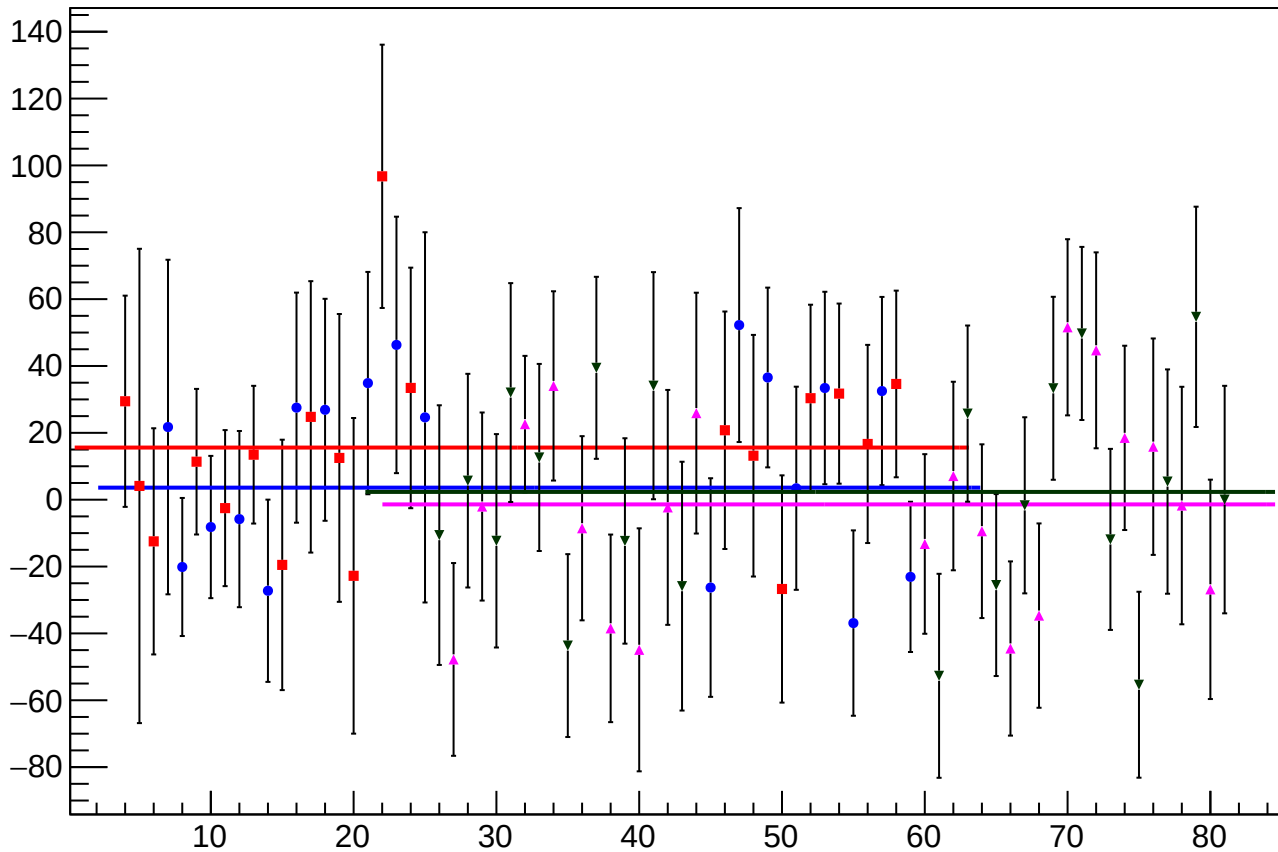
152.622 $\pm$ 0.024 χ^2 /NDF: 2084751.8/38

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

139.730 $\pm$ 0.022 χ^2 /NDF: 2682103.7/38

Left In: 132.249 $\pm$ 0.029 χ^2 /NDF: 1088238.6/19

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs slug



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

Left Out: 2.326 $\pm$ 6.506 χ^2 /NDF:24.5/20

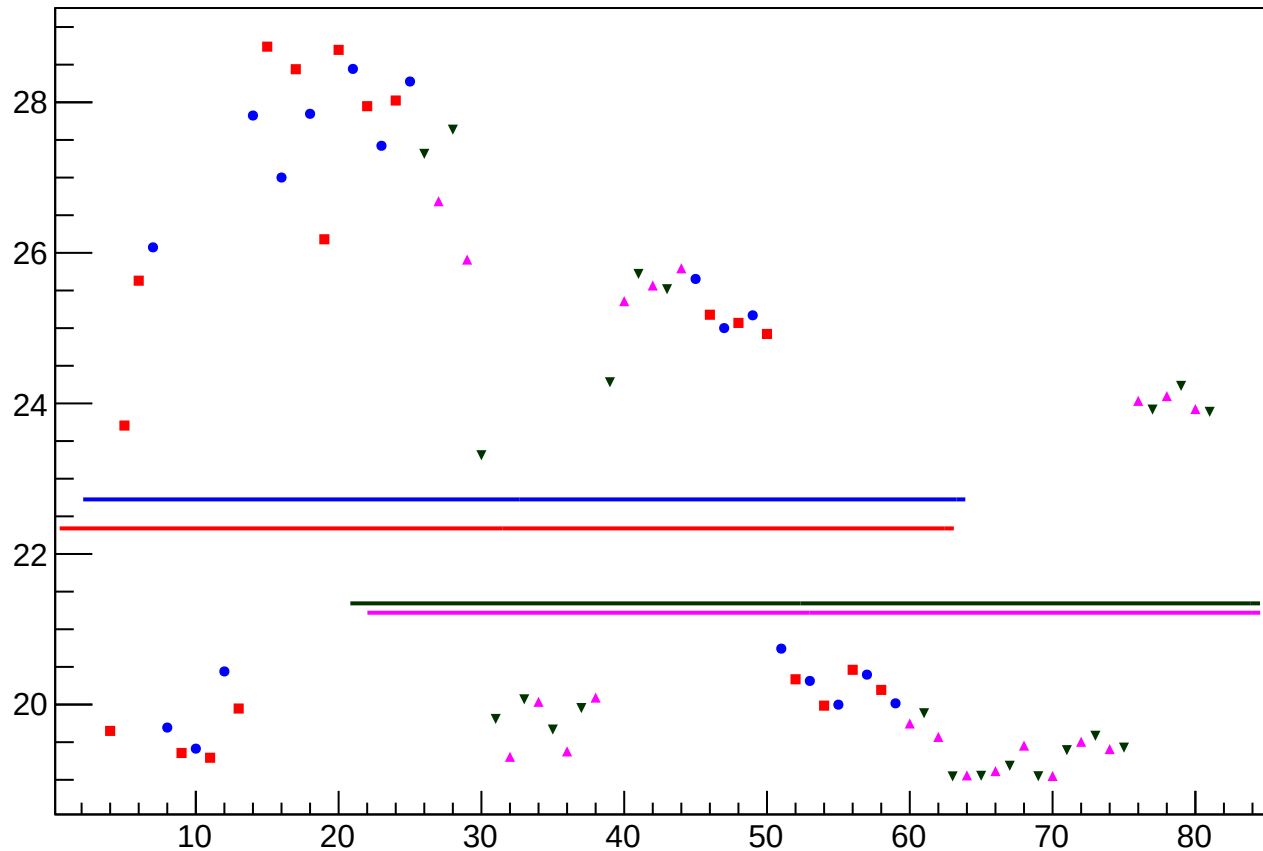
2.934 $\pm$ 4.714 χ^2 /NDF: 40.9/38

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

6.143 $\pm$ 4.760 χ^2 /NDF: 35.3/38

Left In: -1.406 $\pm$ 6.383 χ^2 /NDF:21.9/19

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: 21.344+/-0.005 χ^2/NDF : 359309.7/20

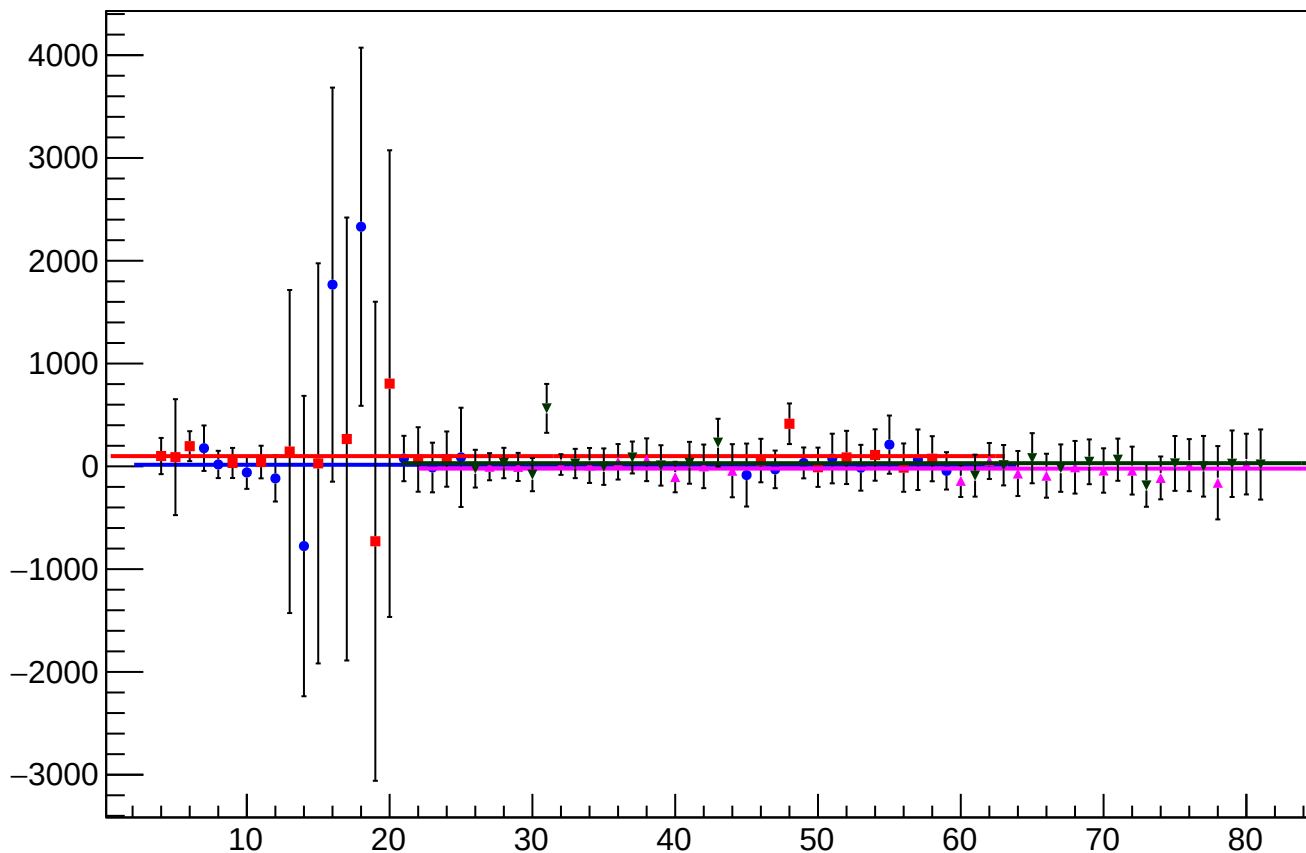
Right Out: 22.340+/-0.005 χ^2/NDF : 460008.2/18

Left In: 21.220+/-0.005 χ^2/NDF : 368281.1/19

22.000+/-0.003 χ^2/NDF : 900876.0/38

21.717+/-0.003 χ^2/NDF : 855638.3/38

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: 30.713+/-43.863 χ^2/NDF : 8.1/20

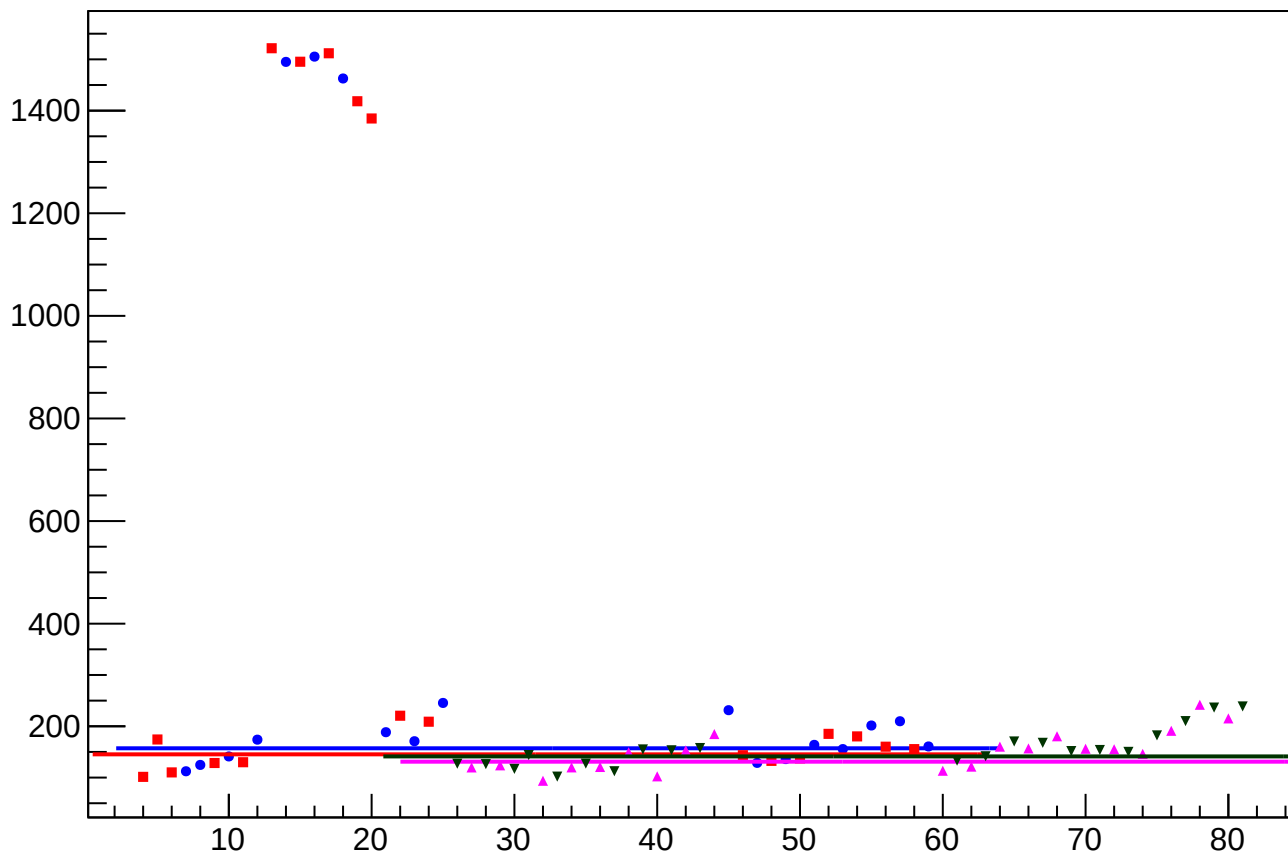
Right Out: 99.514+/-54.286 χ^2/NDF : 4.2/18

Left In: -21.996+/-40.396 χ^2/NDF : 2.2/19

24.409+/-33.796 χ^2/NDF : 13.1/38

21.309+/-32.408 χ^2/NDF : 9.6/38

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: 141.258 $\pm$ 0.031 χ^2/NDF : 905187.4/20

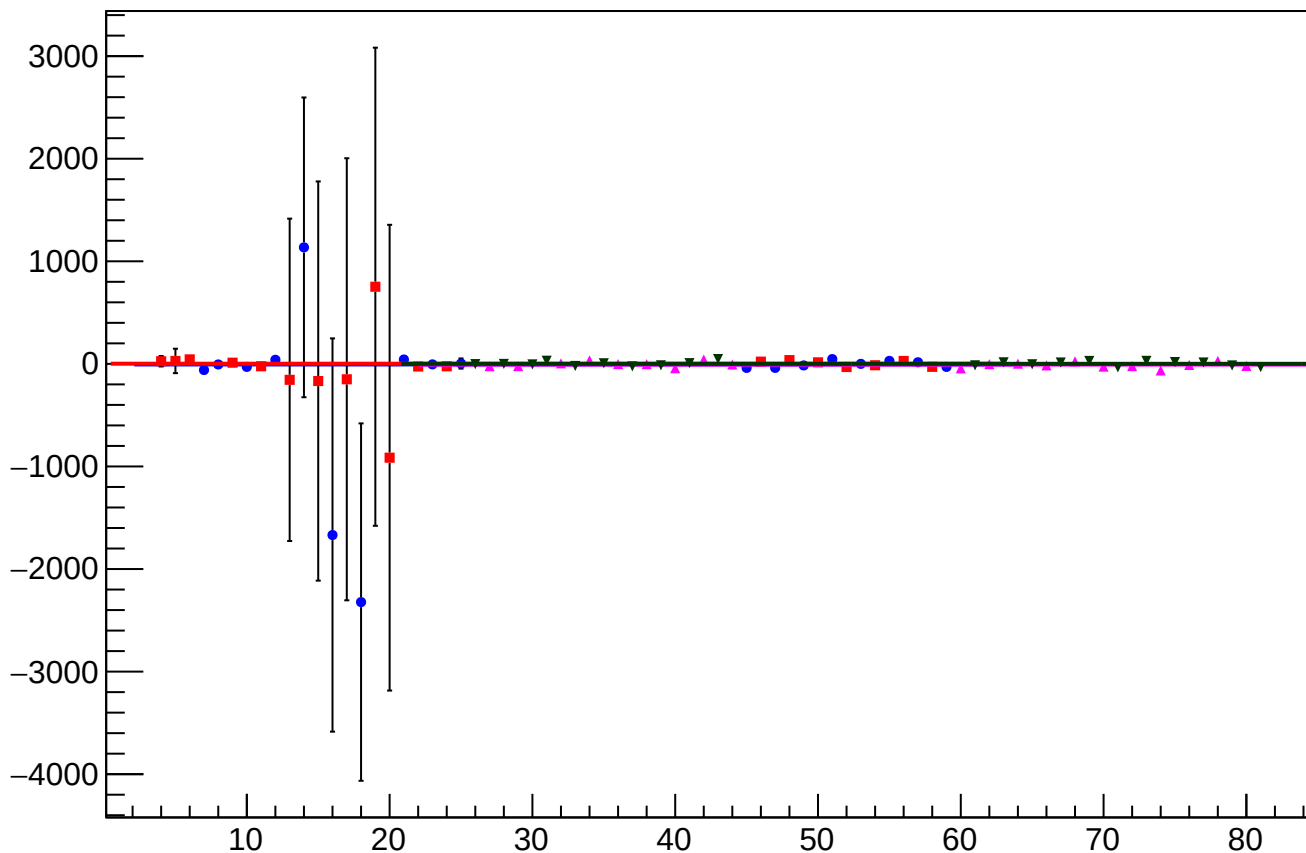
Right Out: 145.299 $\pm$ 0.038 χ^2/NDF : 5124139.9/18

Left In: 131.003 $\pm$ 0.029 χ^2/NDF : 1208027.3/19

147.690 $\pm$ 0.024 χ^2/NDF : 5467824.2/38

136.098 $\pm$ 0.023 χ^2/NDF : 6421444.4/38

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: 0.547+/-6.341 χ^2/NDF : 11.4/20

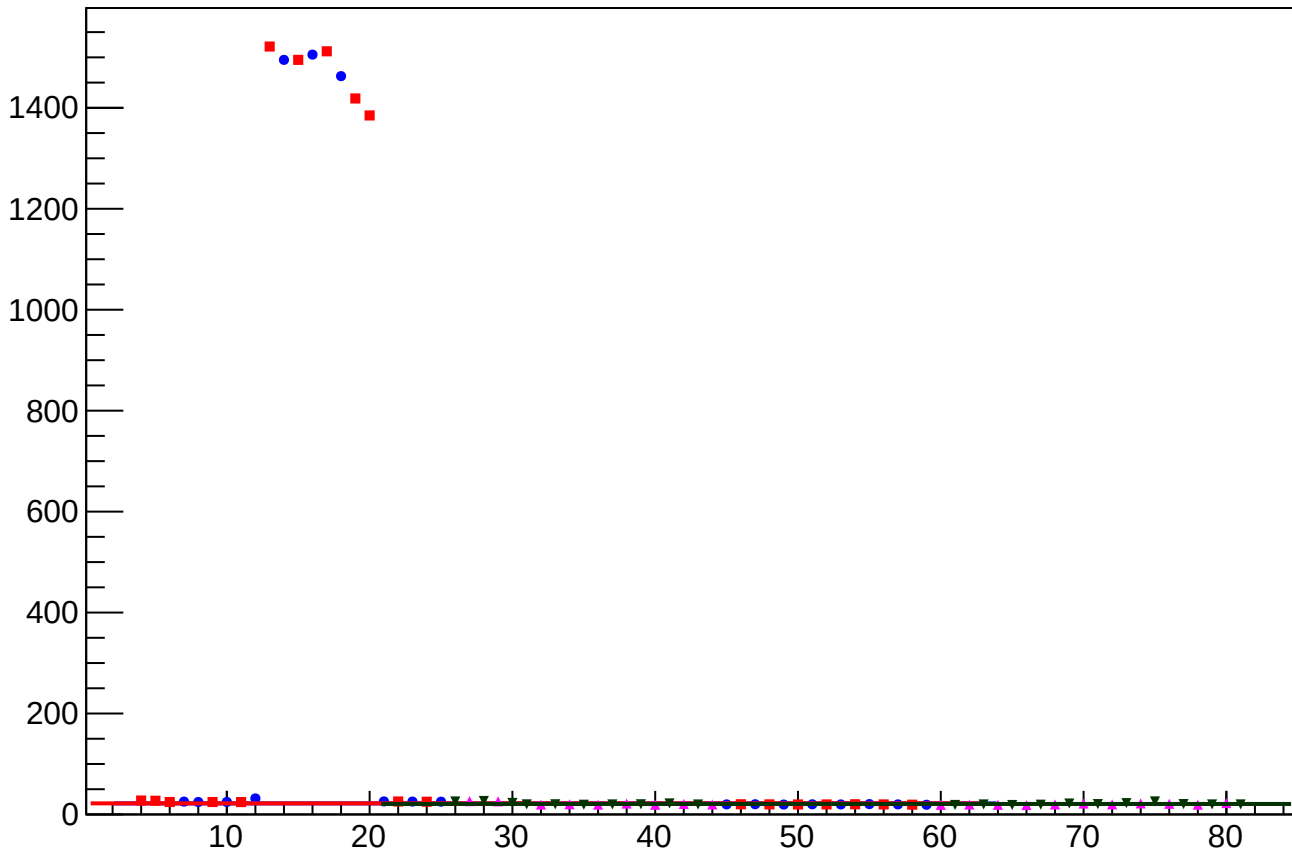
Right Out: 1.722+/-8.261 χ^2/NDF : 10.4/18

Left In: -7.440+/-6.211 χ^2/NDF : 16.8/19

-2.086+/-4.812 χ^2/NDF : 30.5/38

-4.132+/-4.964 χ^2/NDF : 28.0/38

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: 20.810 $\pm$ 0.004 χ^2 /NDF:211983.9/20

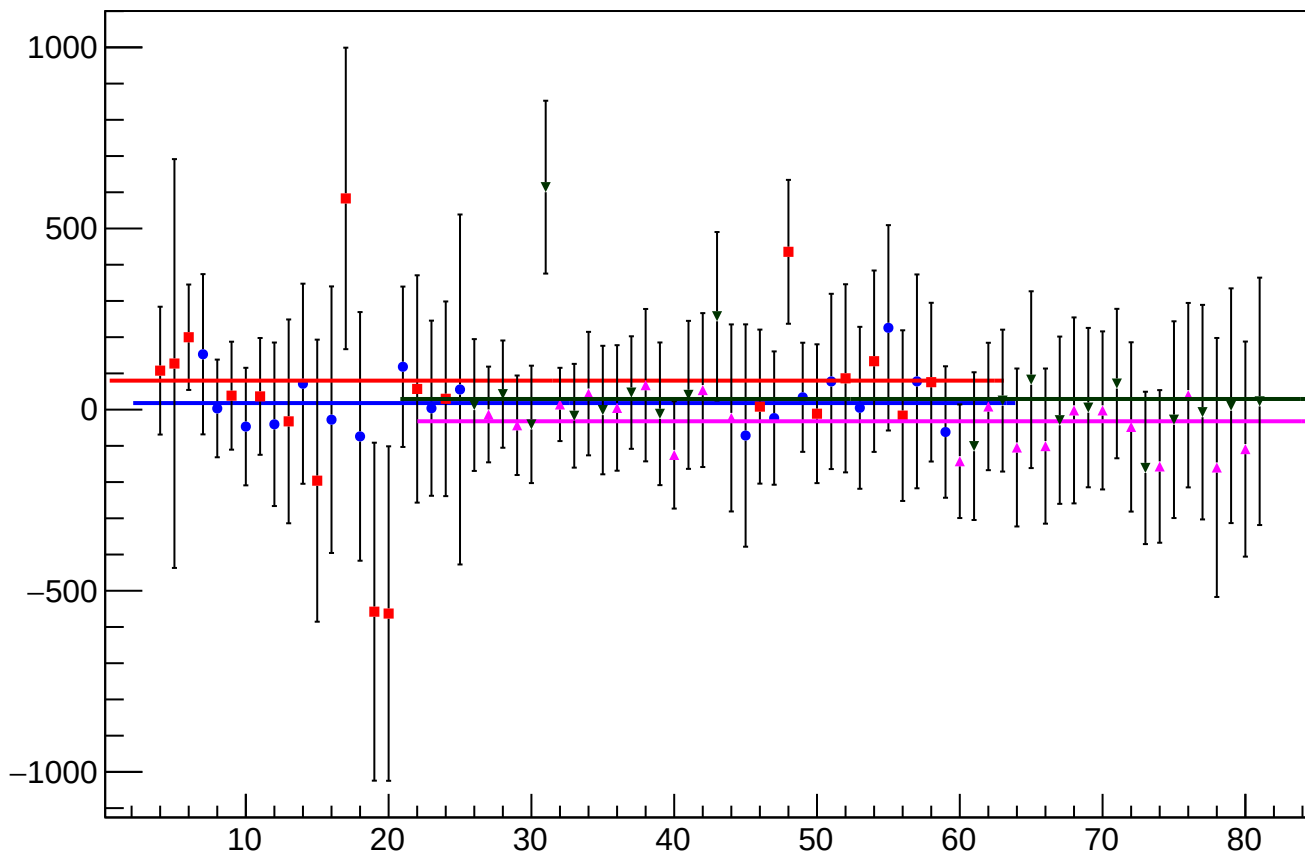
Right Out: 21.987 $\pm$ 0.006 χ^2 /NDF: 5559967.3/18

Left In: 20.688 $\pm$ 0.004 χ^2 /NDF:217292.2/19

21.280 $\pm$ 0.003 χ^2 /NDF: 5169657.2/38

21.157 $\pm$ 0.004 χ^2 /NDF: 5808850.2/38

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: 29.375+/-43.970 χ^2/NDF : 8.8/20

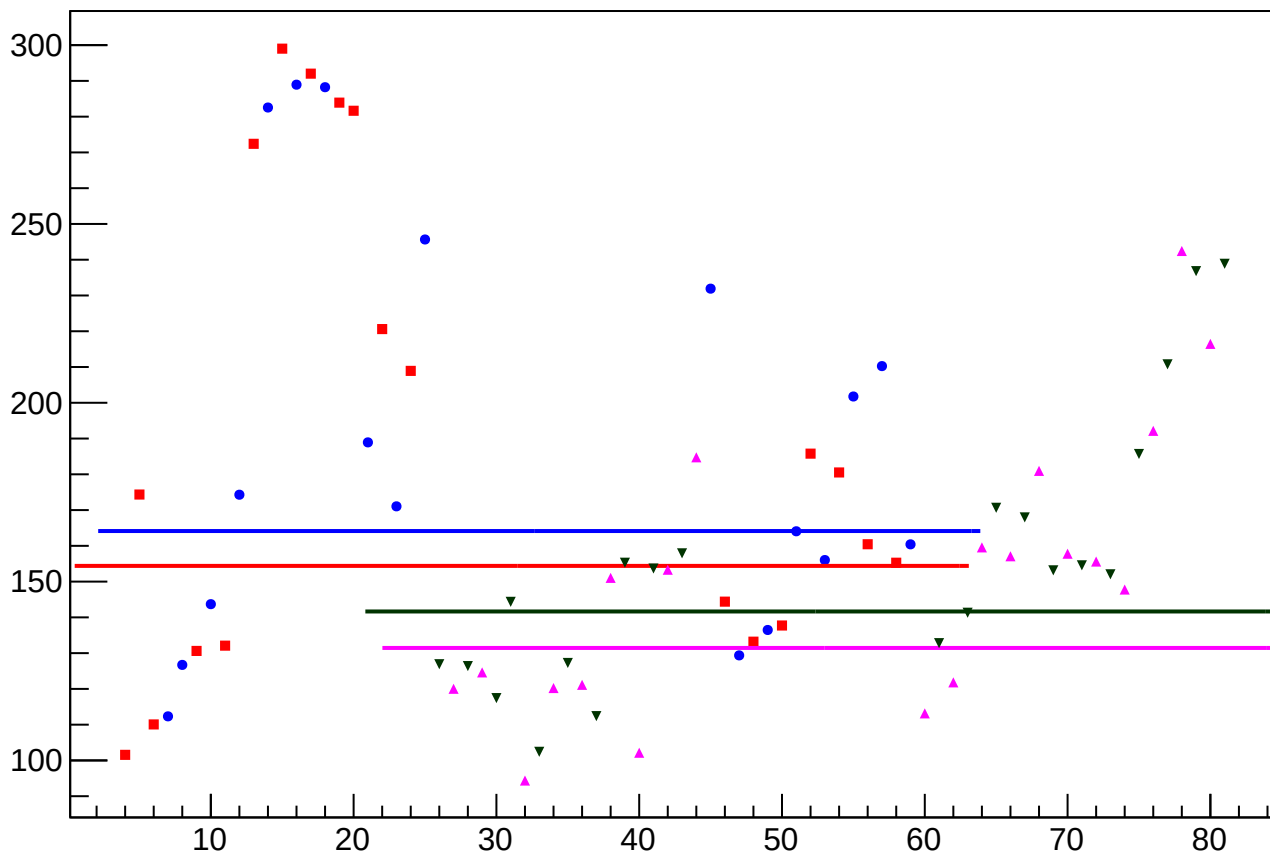
Right Out: 80.043+/-52.081 χ^2/NDF : 10.6/18

Left In: -32.135+/-40.532 χ^2/NDF : 2.7/19

24.606+/-33.394 χ^2/NDF : 10.8/38

10.180+/-31.987 χ^2/NDF : 16.2/38

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: 141.649 ± 0.031 χ^2/NDF : 912115.1/20

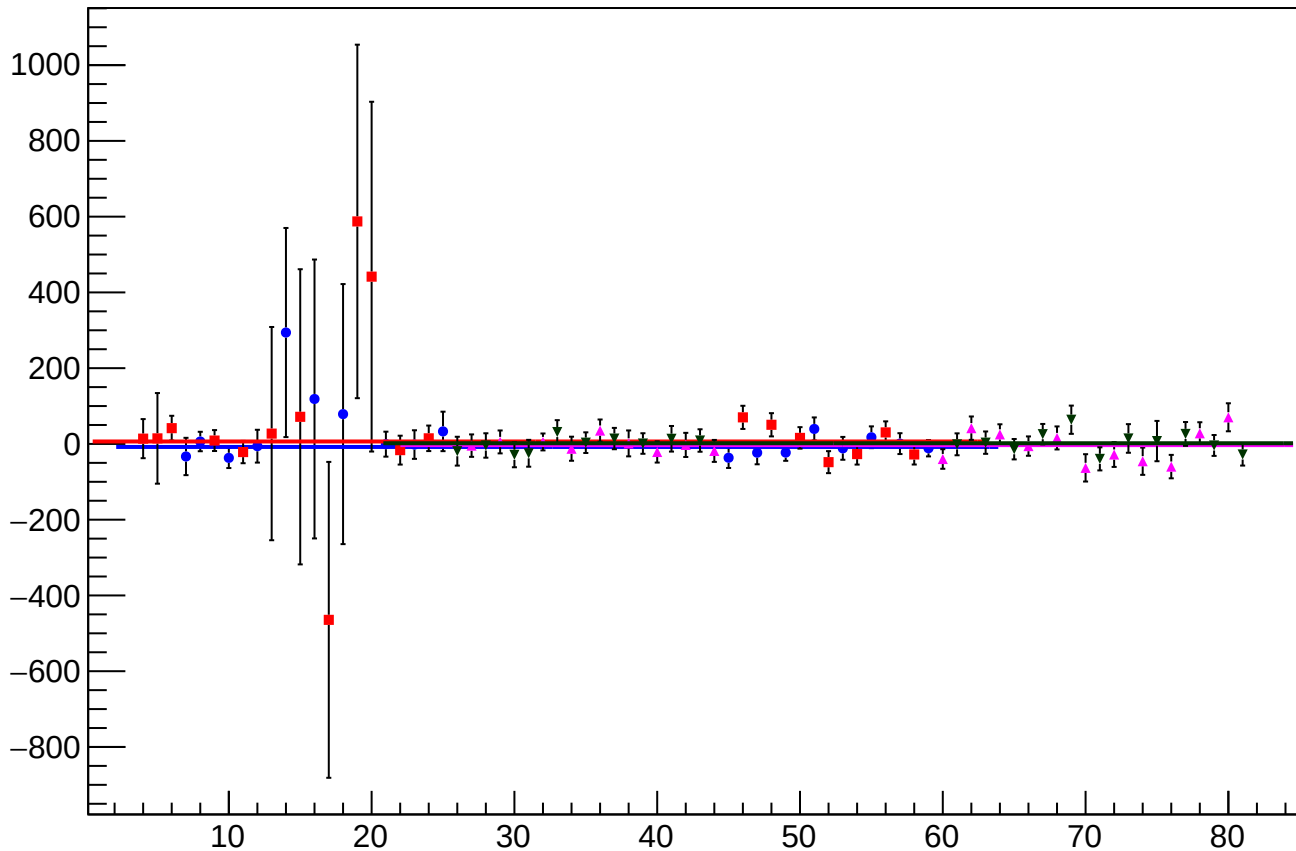
151.167 ± 0.024 χ^2/NDF : 2700126.8/38

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

140.107 ± 0.023 χ^2/NDF : 3326503.0/38

Left In: 131.453 ± 0.029 χ^2/NDF : 1209226.8/19

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs slug



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

Left Out: 1.799+/-6.773 χ^2/NDF :10.6/20

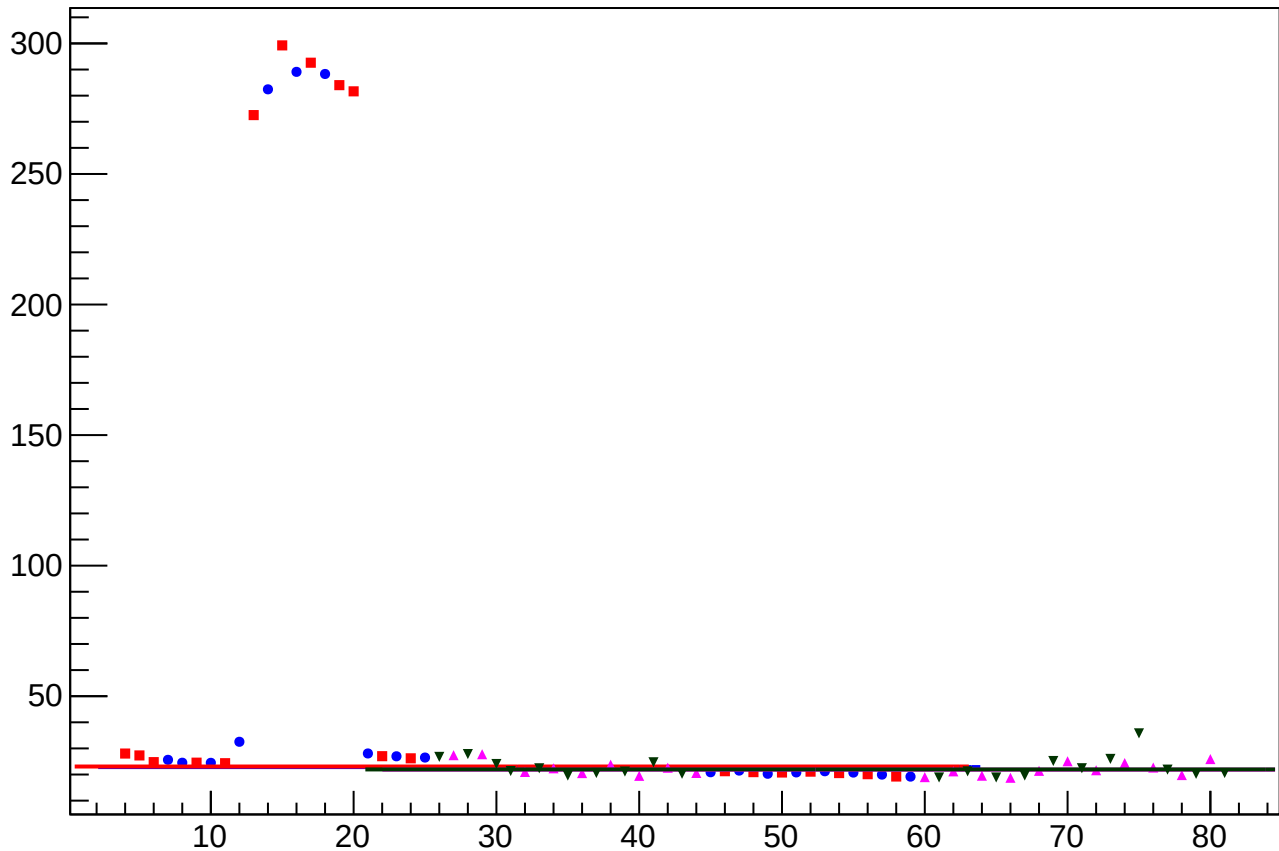
Right Out: 6.463+/-8.479 χ^2/NDF : 20.1/18

Left In: -3.142+/-6.638 χ^2/NDF :21.6/19

-2.528+/-5.057 χ^2/NDF : 20.5/38

0.508+/-5.227 χ^2/NDF : 42.5/38

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: 21.951+/-0.005 χ^2/NDF : 398413.4/20

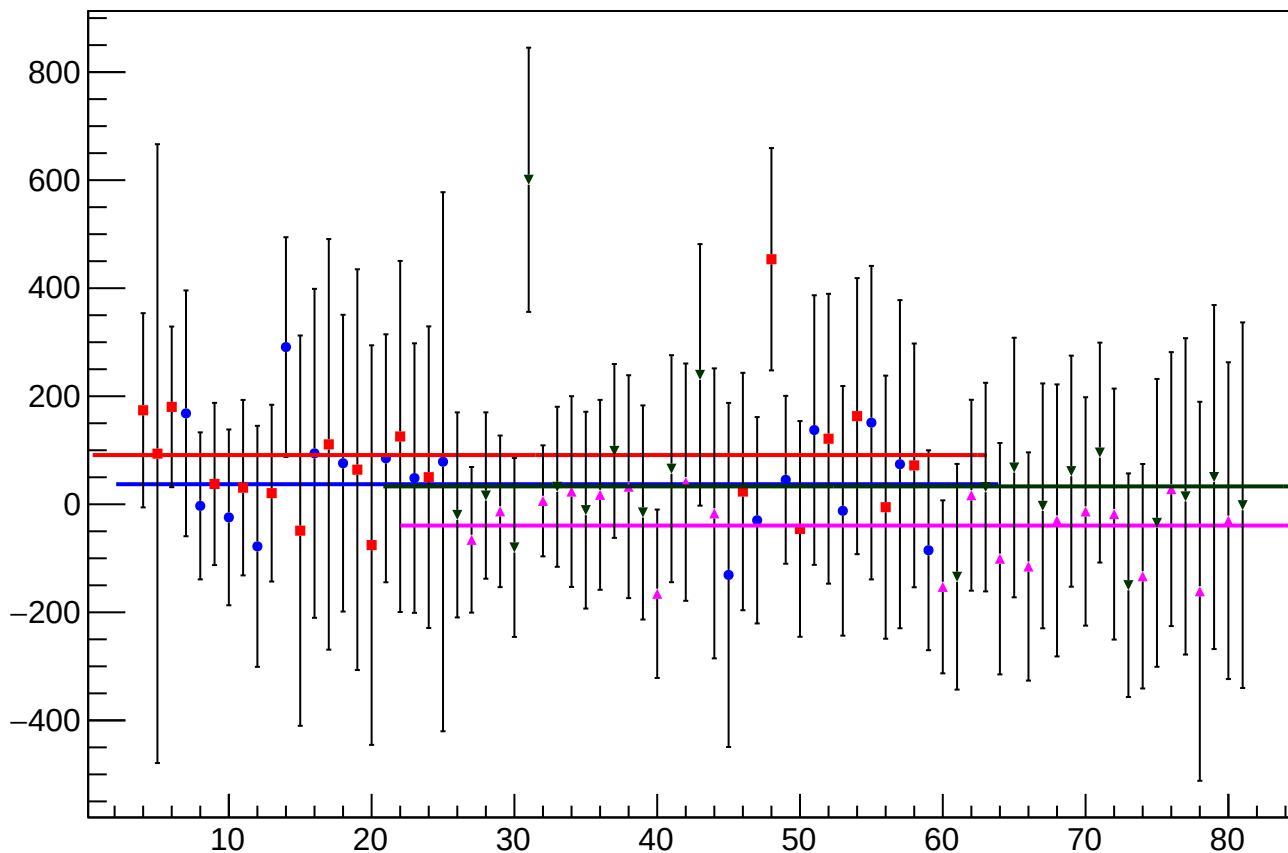
22.350+/-0.004 χ^2/NDF : 4777664.2/38

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

22.324+/-0.004 χ^2/NDF : 5192885.6/38

Left In: 21.867+/-0.005 χ^2/NDF : 311248.9/19

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: 33.113+/-44.594 χ^2/NDF : 8.6/20

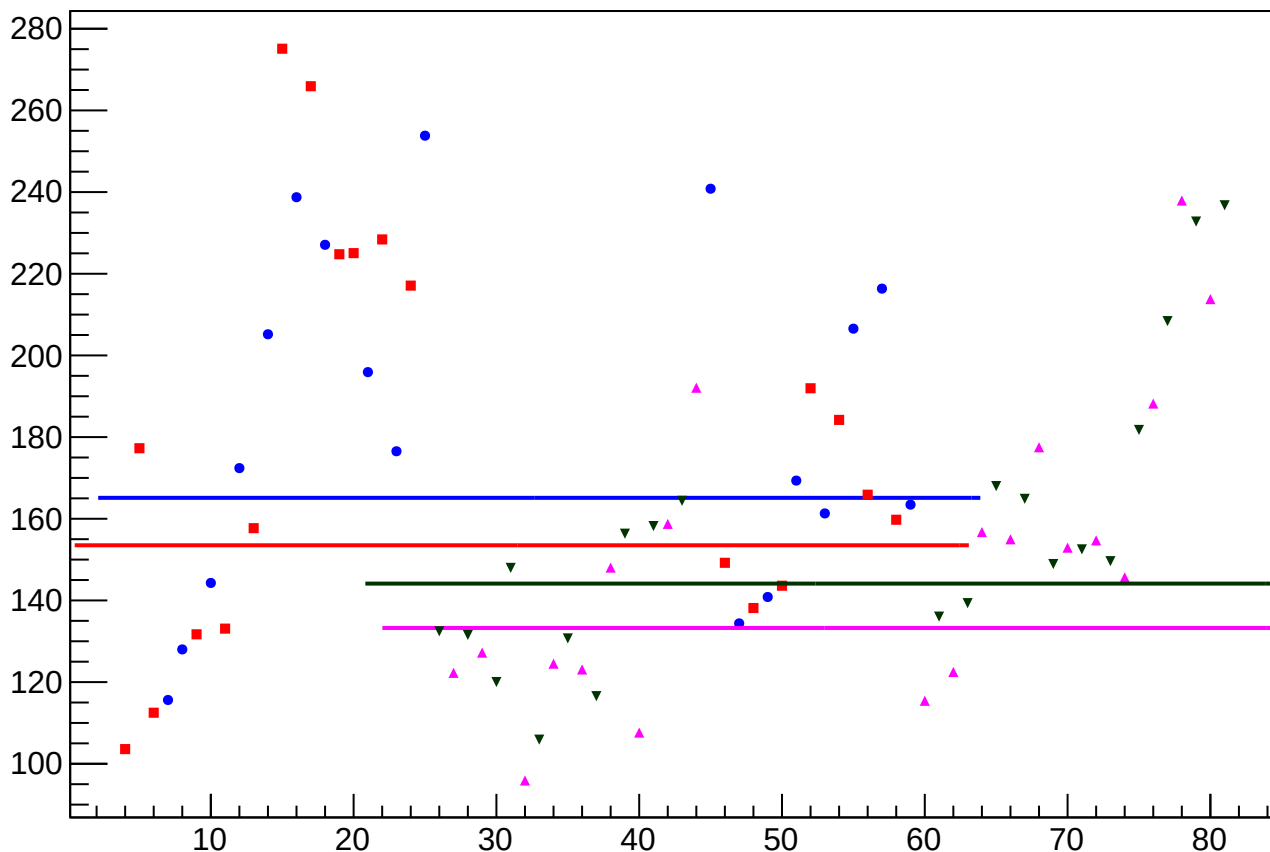
Right Out: 91.157+/-50.934 χ^2/NDF : 5.3/18

Left In: -39.370+/-41.007 χ^2/NDF : 2.7/19

34.862+/-33.582 χ^2/NDF : 12.4/38

11.963+/-31.941 χ^2/NDF : 12.0/38

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: 144.124 ± 0.032 χ^2/NDF : 784885.4/20

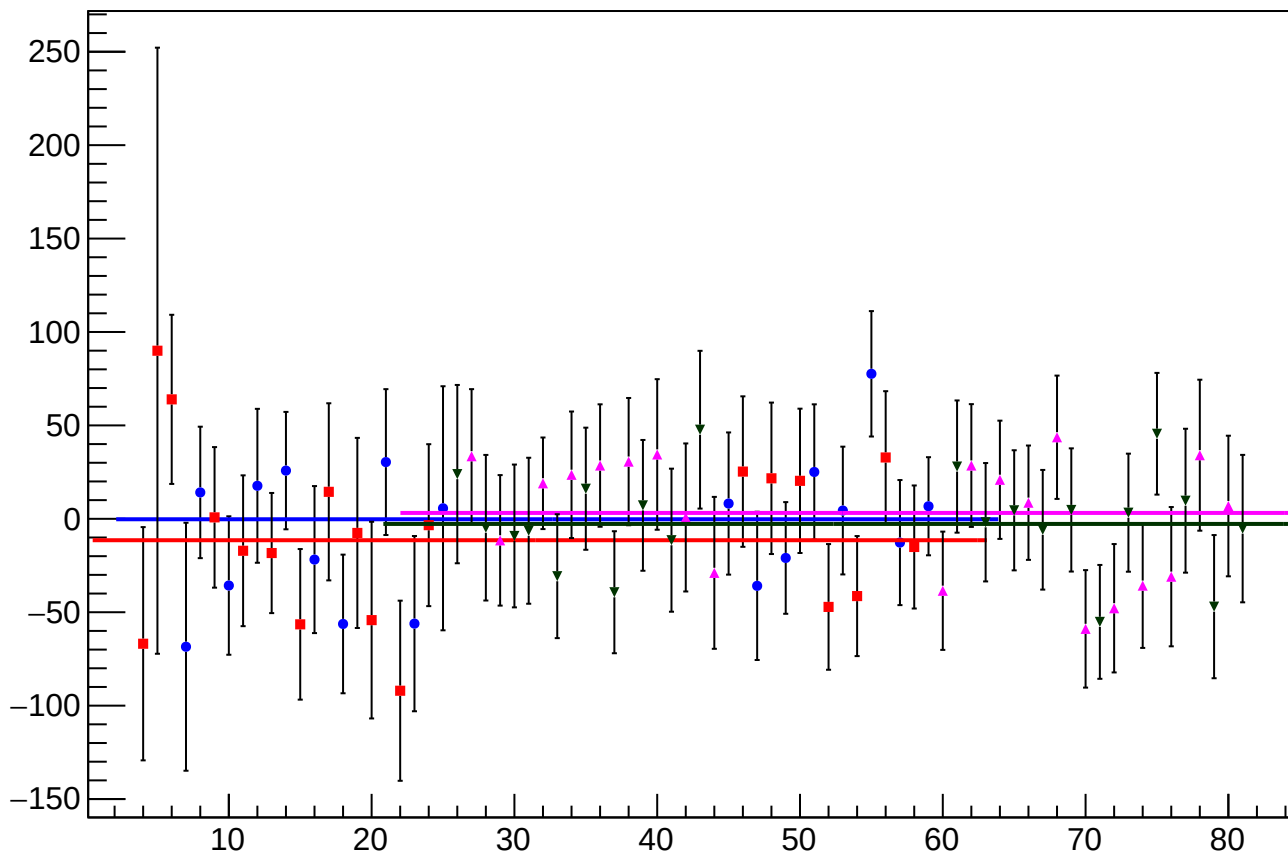
153.216 ± 0.024 χ^2/NDF : 1967569.1/38

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

141.224 ± 0.023 χ^2/NDF : 2514064.4/38

Left In: 133.260 ± 0.029 χ^2/NDF : 1083687.3/19

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs slug



Right In: -0.239 ± 8.646 $\chi^2/\text{NDF}: 15.1/17$

Left Out: -2.739 ± 7.679 $\chi^2/\text{NDF}: 11.7/20$

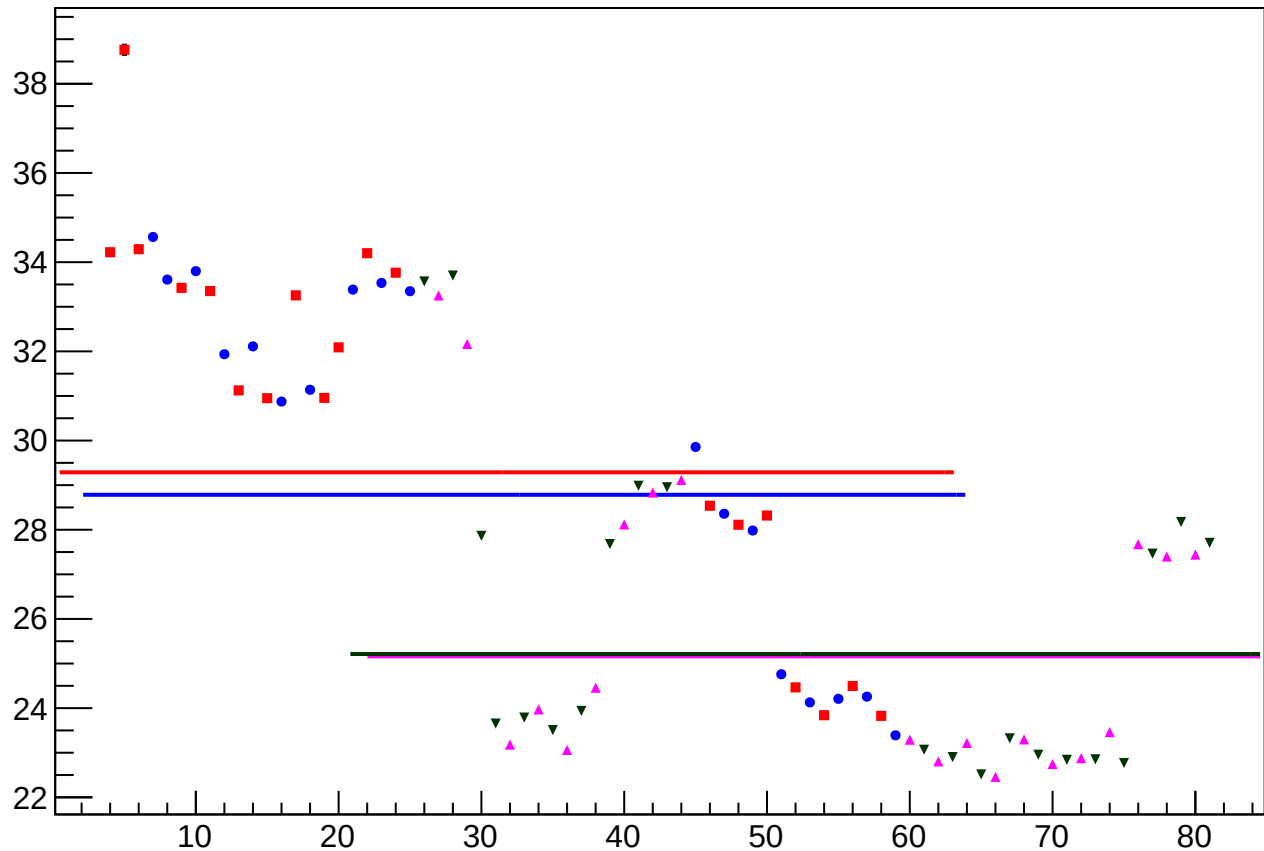
Right Out: -11.462 ± 9.405 $\chi^2/\text{NDF}: 14.9/18$

Left In: 3.152 ± 7.562 $\chi^2/\text{NDF}: 17.2/19$

-1.637 ± 5.742 $\chi^2/\text{NDF}: 26.8/38$

-2.586 ± 5.893 $\chi^2/\text{NDF}: 33.6/38$

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: 25.214 $\pm$ 0.005 χ^2 /NDF:335973.5/20

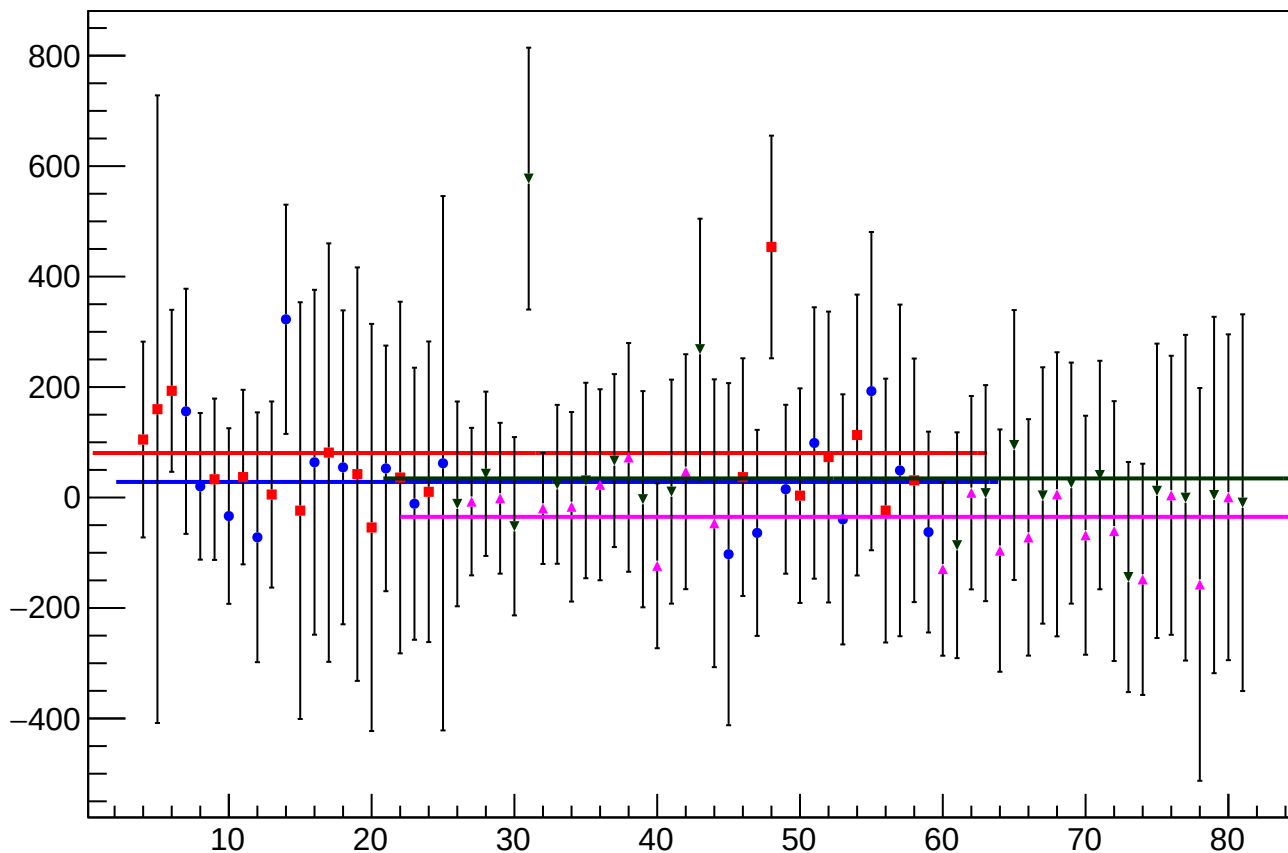
26.788 $\pm$ 0.004 χ^2 /NDF: 945062.2/38

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

26.781 $\pm$ 0.004 χ^2 /NDF: 938316.5/38

Left In: 25.161 $\pm$ 0.005 χ^2 /NDF:348641.8/19

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: 34.589+/-44.003 χ^2/NDF : 7.9/20

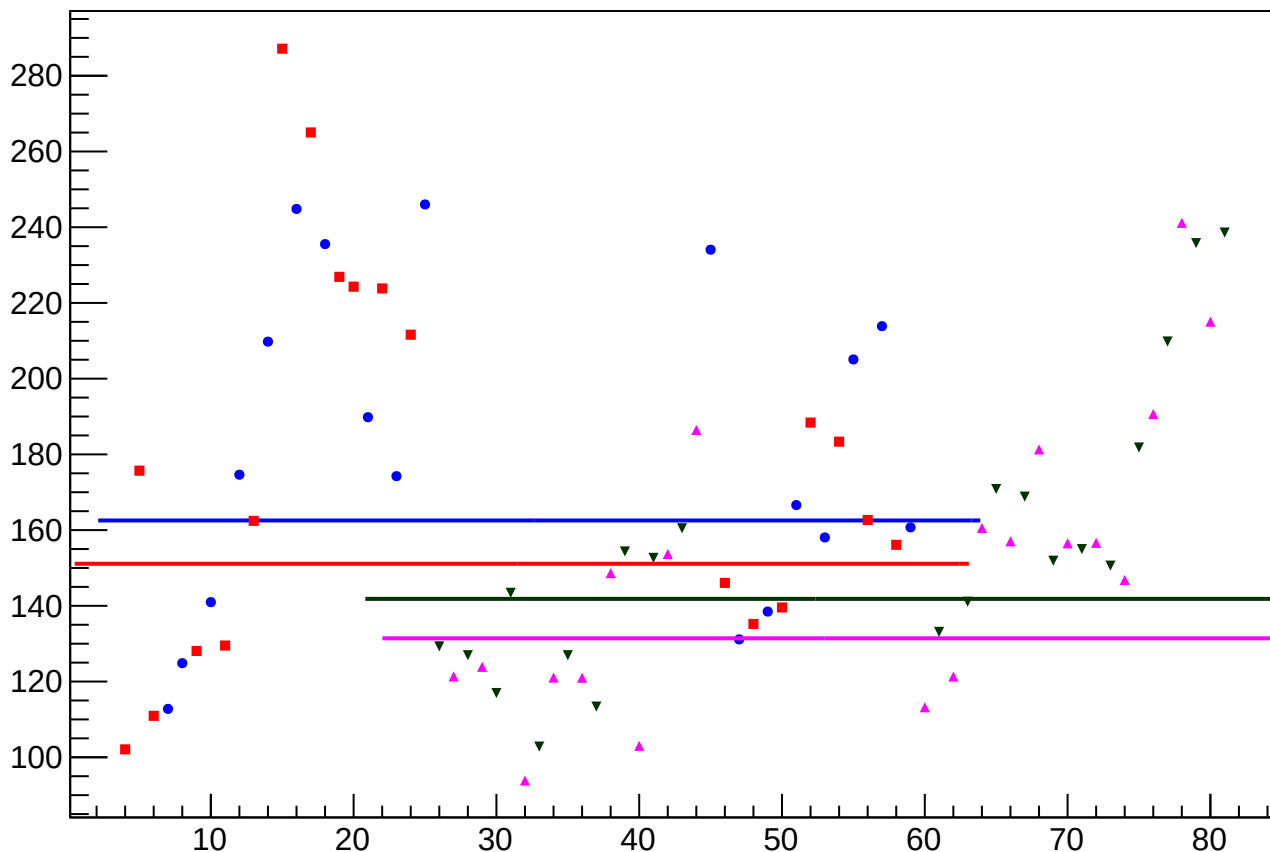
Right Out: 80.614+/-50.242 χ^2/NDF : 5.2/18

Left In: -34.941+/-40.514 χ^2/NDF : 2.1/19

31.833+/-33.134 χ^2/NDF : 11.9/38

10.591+/-31.538 χ^2/NDF : 10.5/38

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: 141.838 $\pm$ 0.031 χ^2/NDF : 887116.9/20

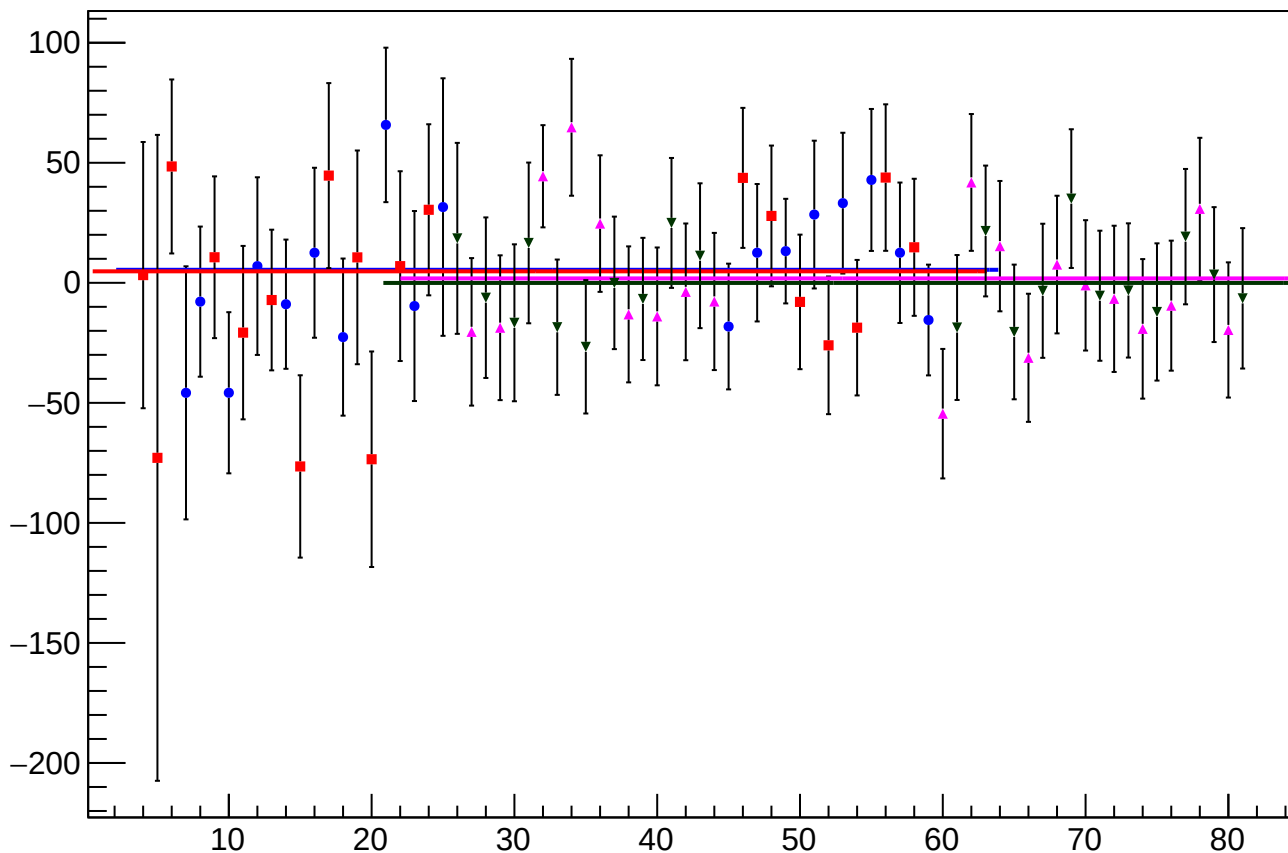
Right Out: 151.117 $\pm$ 0.036 χ^2/NDF : 1306443.7/18

Left In: 131.423 $\pm$ 0.029 χ^2/NDF : 1202937.8/19

150.806 $\pm$ 0.023 χ^2/NDF : 2168264.2/38

139.183 $\pm$ 0.022 χ^2/NDF : 2695607.8/38

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: -0.048 ± 6.326 χ^2/NDF : 7.0/20

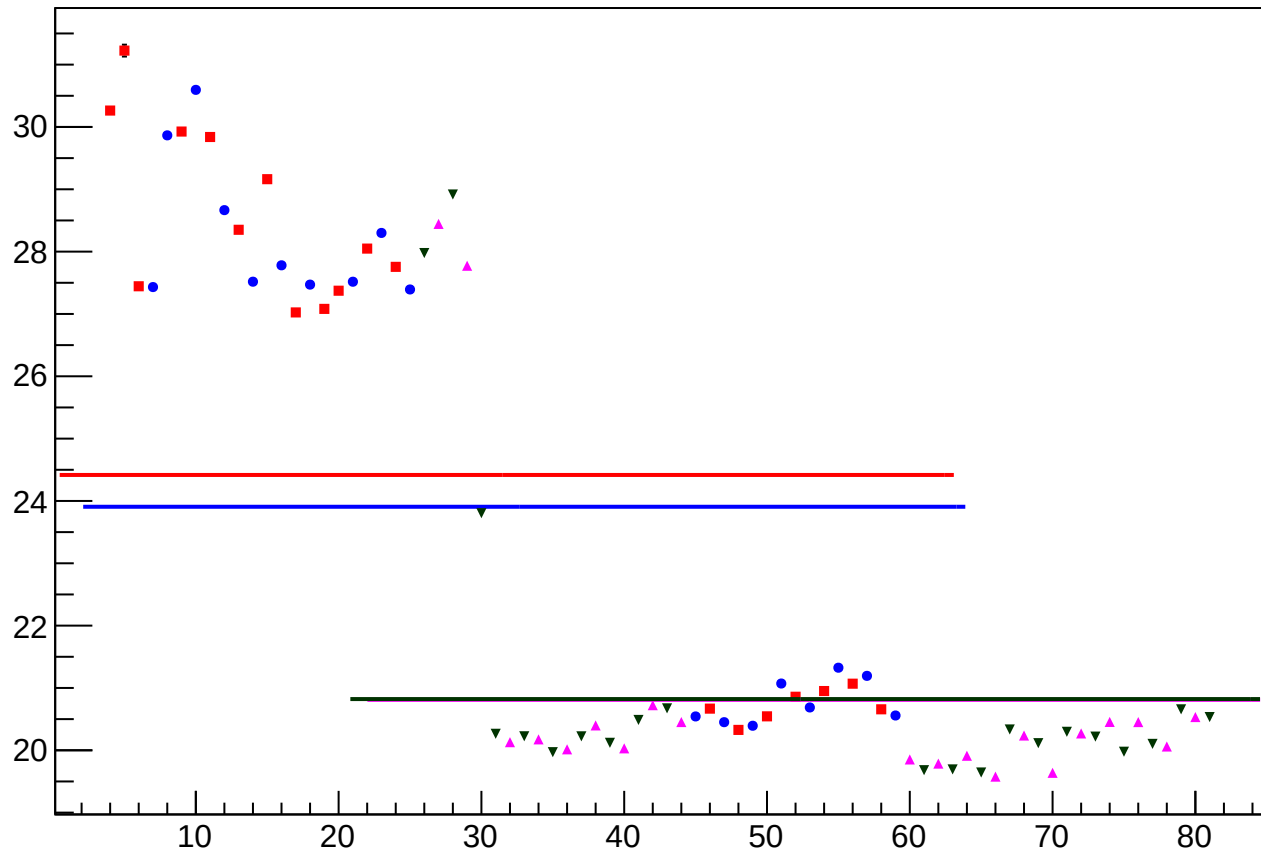
Right Out: 4.784 ± 7.872 χ^2/NDF : 17.9/18

Left In: 1.836 ± 6.235 χ^2/NDF : 21.7/19

2.335 ± 4.754 χ^2/NDF : 20.6/38

2.972 ± 4.888 χ^2/NDF : 39.7/38

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: 20.822 $\pm$ 0.004 χ^2 /NDF: 221367.6/20

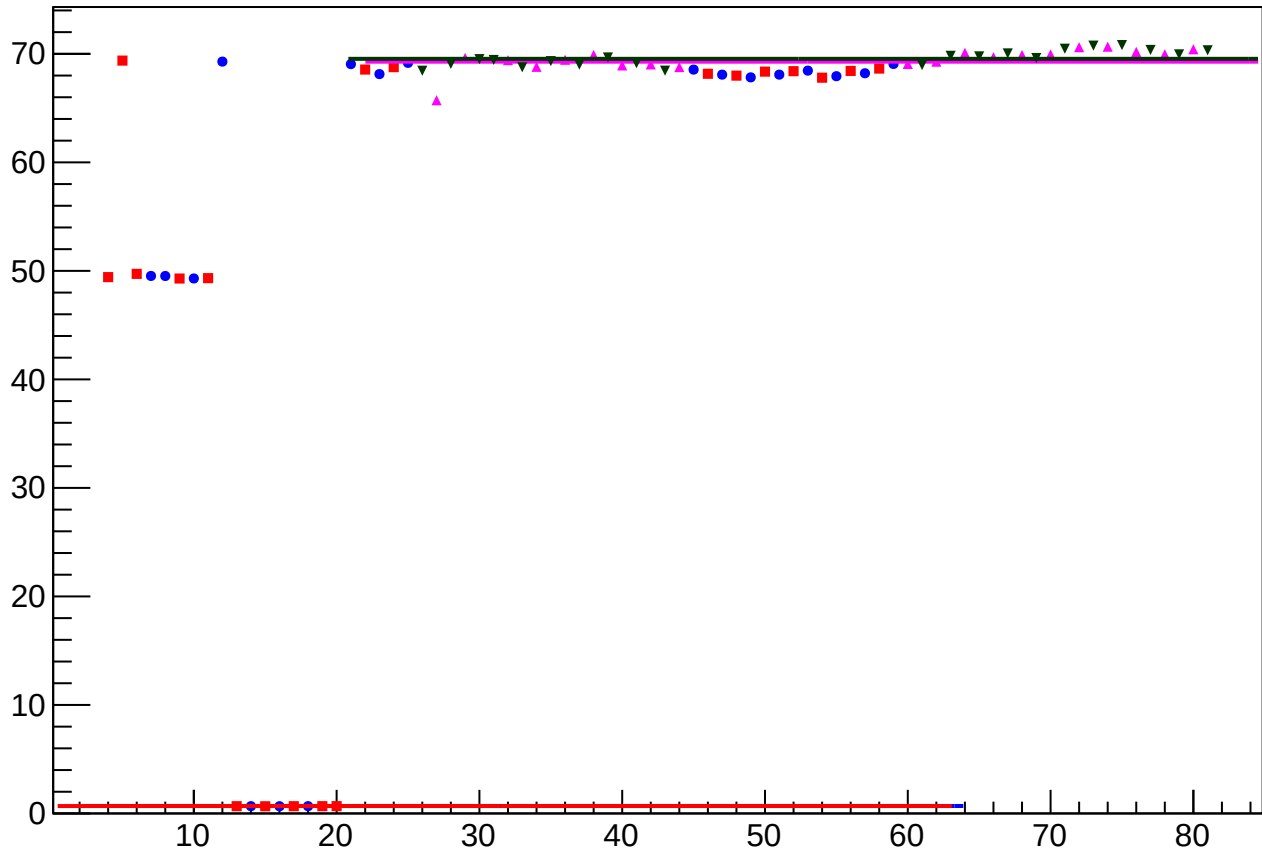
Right Out: 24.417 $\pm$ 0.006 χ^2 /NDF: 496476.9/18

Left In: 20.809 $\pm$ 0.004 χ^2 /NDF: 255809.2/19

22.165 $\pm$ 0.003 χ^2 /NDF: 994362.5/38

22.200 $\pm$ 0.003 χ^2 /NDF: 1010436.1/38

yield_bcm_an_ds_mean vs slug



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

Left Out: 69.541 $\pm$ 0.000 χ^2 /NDF: 127747701.7/20

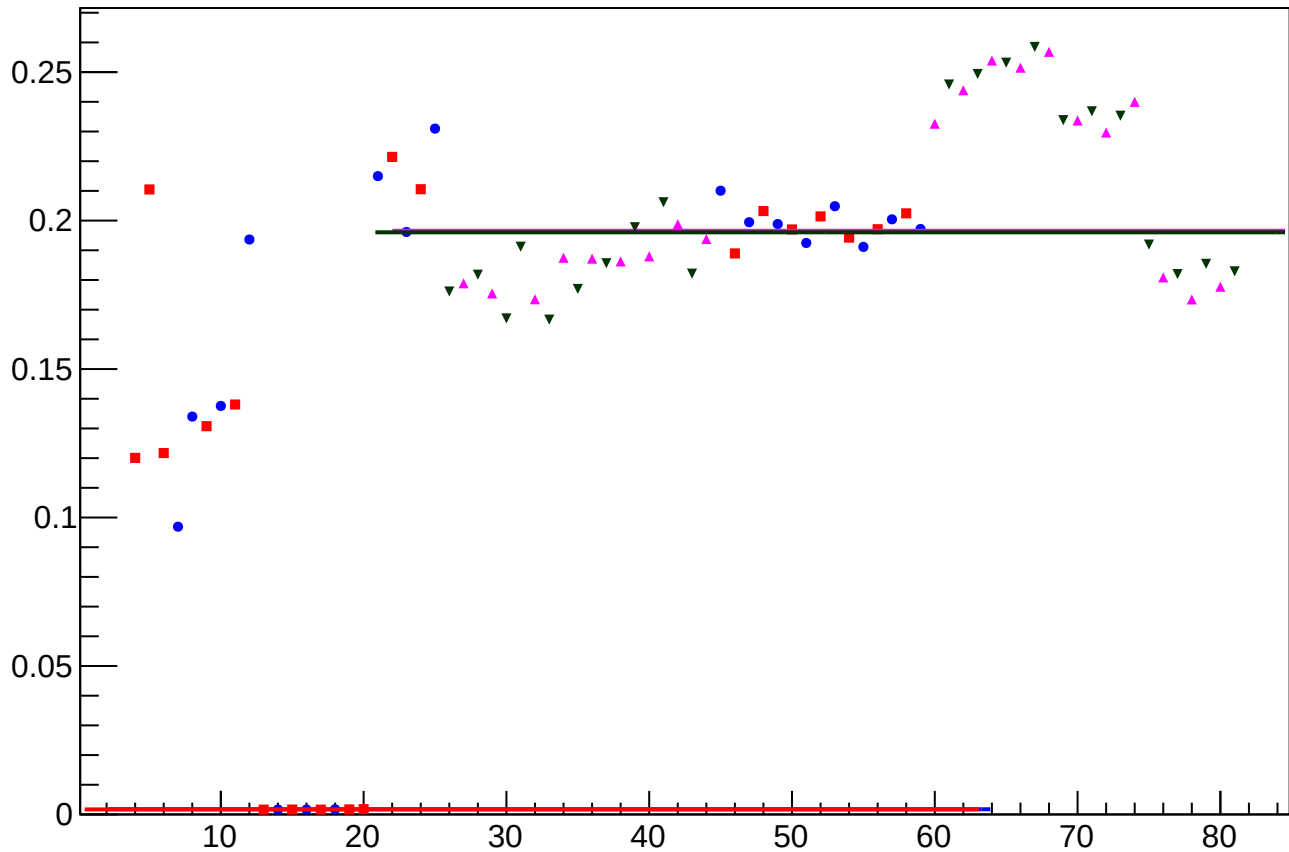
0.711 $\pm$ 0.000 χ^2 /NDF: 2328458655931.3/38

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

0.703 $\pm$ 0.000 χ^2 /NDF: 2160034736737.4/38

Left In: 69.277 $\pm$ 0.000 χ^2 /NDF: 430047589.7/19

yield_bcm_an_ds_rms vs slug



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

Left Out: 0.196 $\pm$ 0.000 χ^2 /NDF:399132.5/20

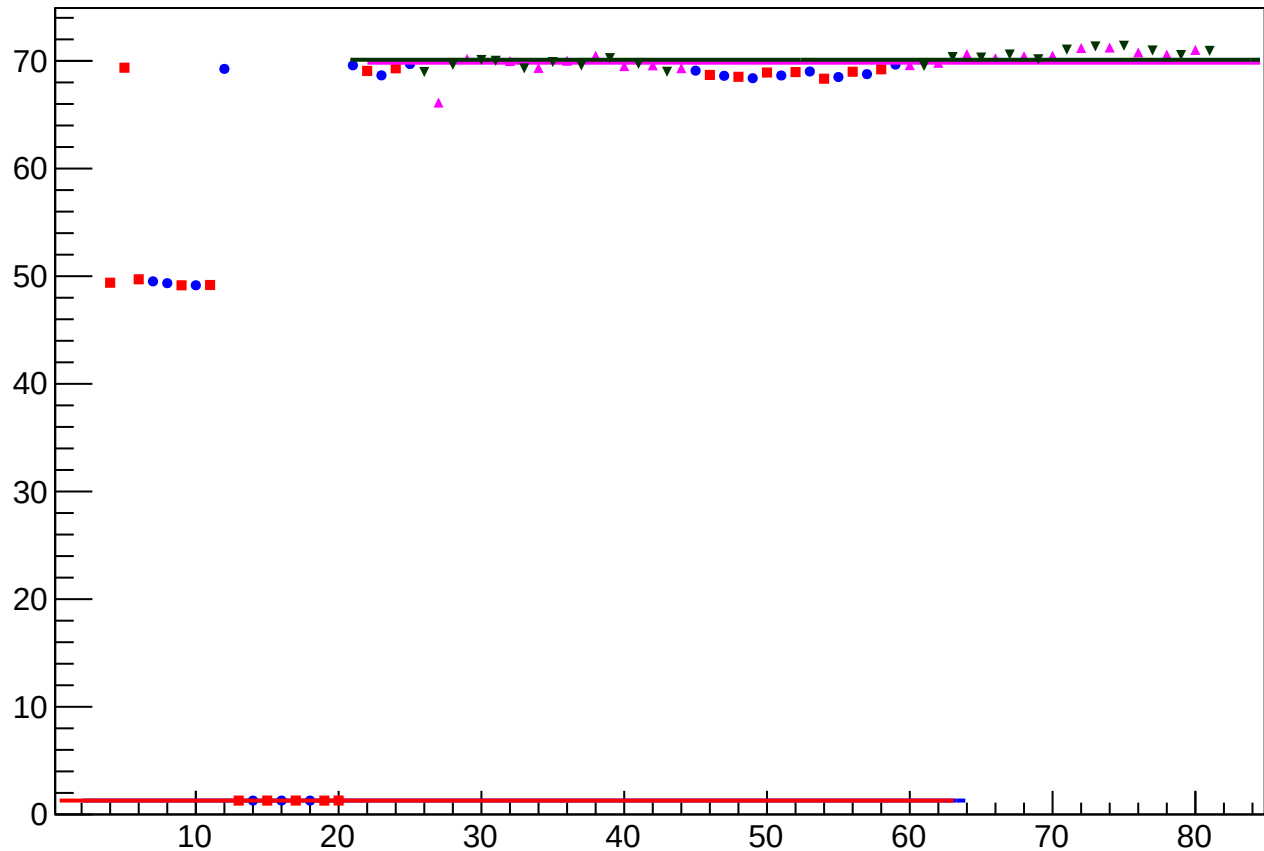
0.002 $\pm$ 0.000 χ^2 /NDF: 37864795.2/38

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

0.002 $\pm$ 0.000 χ^2 /NDF: 35131995.2/38

Left In: 0.197 $\pm$ 0.000 χ^2 /NDF:414448.3/19

yield_bcm_an_ds3_mean vs slug



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

Left Out: 70.108 ± 0.000 χ^2/NDF : 128239461.2/20

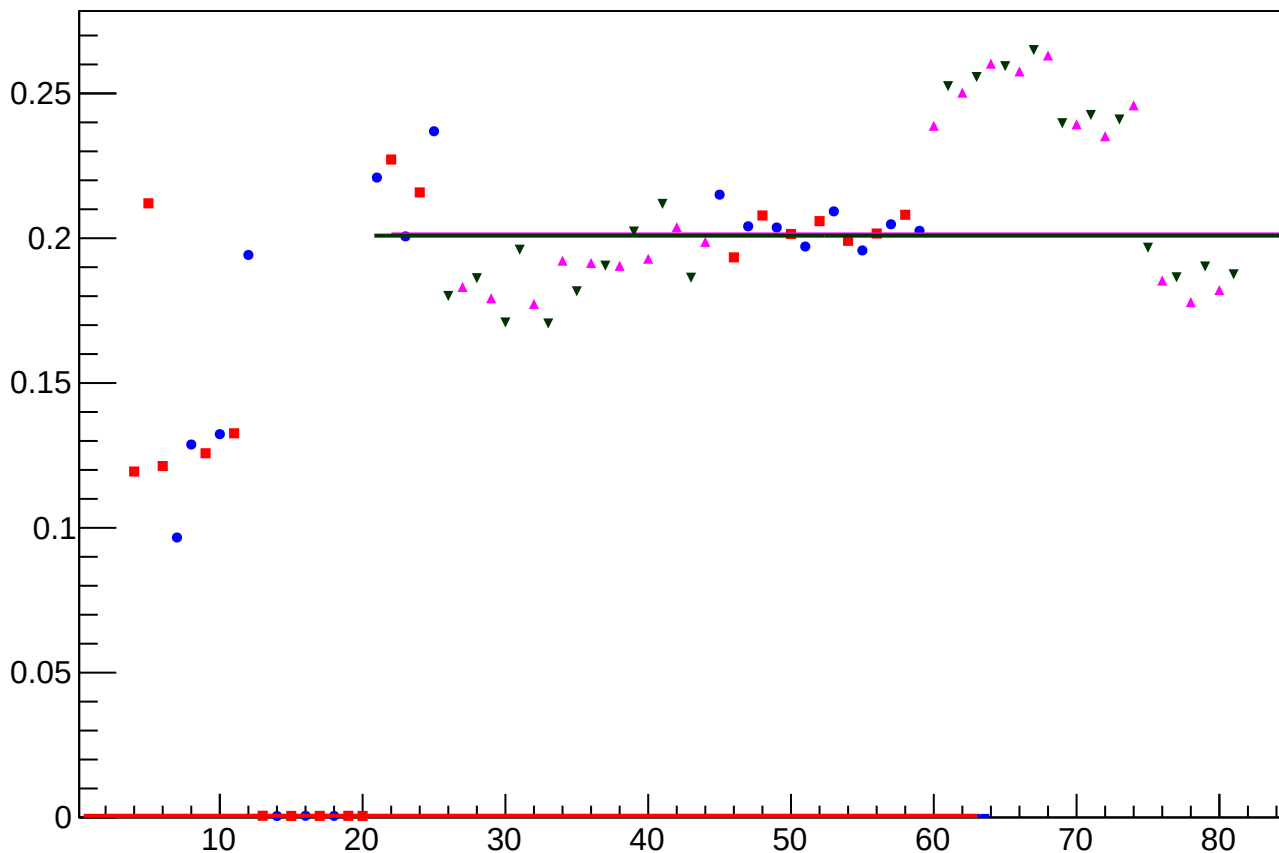
Right Out: 1.290 ± 0.000 χ^2/NDF : 826763948171.6/18

Left In: 69.835 ± 0.000 χ^2/NDF : 441761526.3/19

1.293 ± 0.000 χ^2/NDF : 2238914193854.9/38

1.292 ± 0.000 χ^2/NDF : 2077961152790.5/38

yield_bcm_an_ds3_rms vs slug



Right In: 0.001 $\pm$ 0.000 χ^2 /NDF: 17142253.8/17

Left Out: 0.201 $\pm$ 0.000 χ^2 /NDF: 401115.8/20

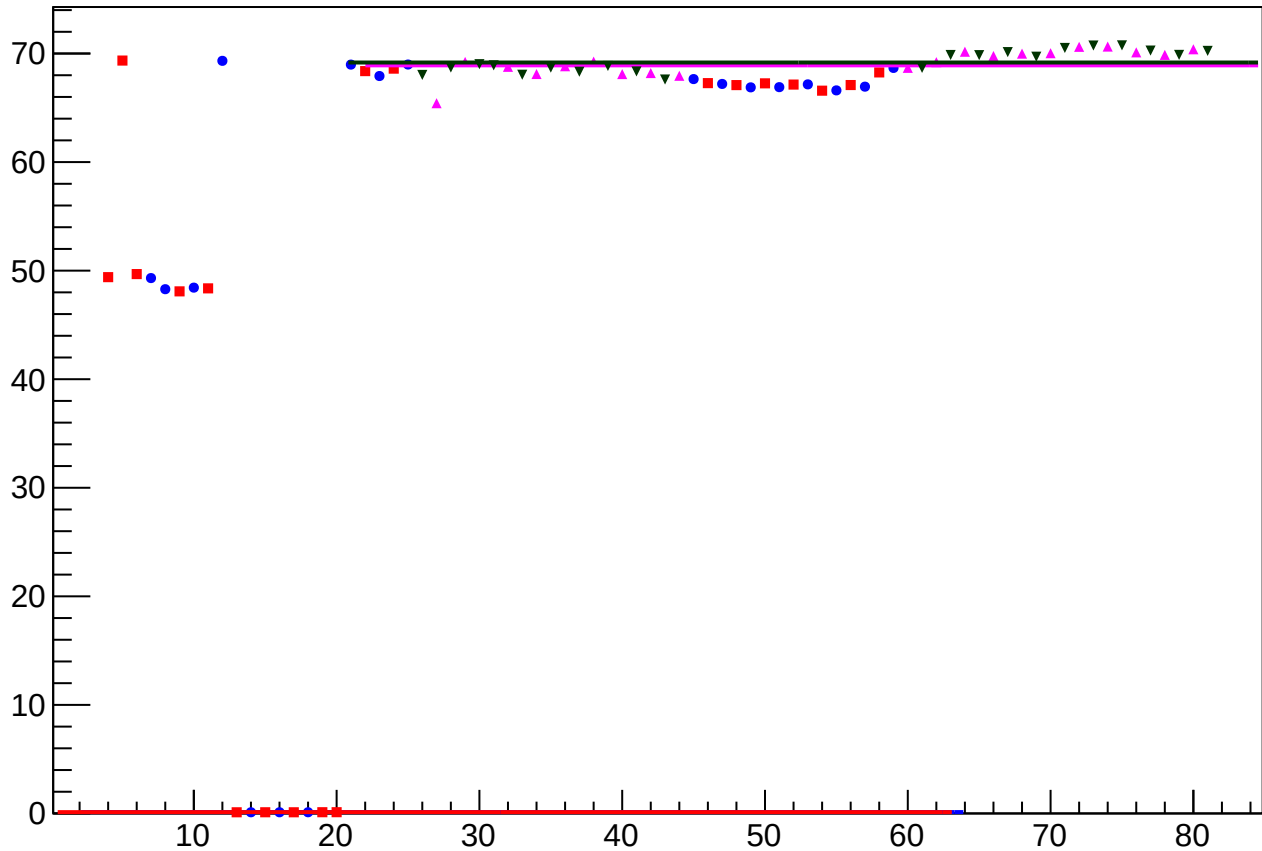
Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 13695888.0/18

Left In: 0.201 $\pm$ 0.000 χ^2 /NDF: 417722.9/19

0.001 $\pm$ 0.000 χ^2 /NDF: 38374871.7/38

0.001 $\pm$ 0.000 χ^2 /NDF: 35572063.4/38

yield_bcm_an_us_mean vs slug



Right In: 0.126 $\pm$ 0.000 χ^2 /NDF: 1070197088852.4/17

Left Out: 69.172 $\pm$ 0.000 χ^2 /NDF: 242249803.7/20

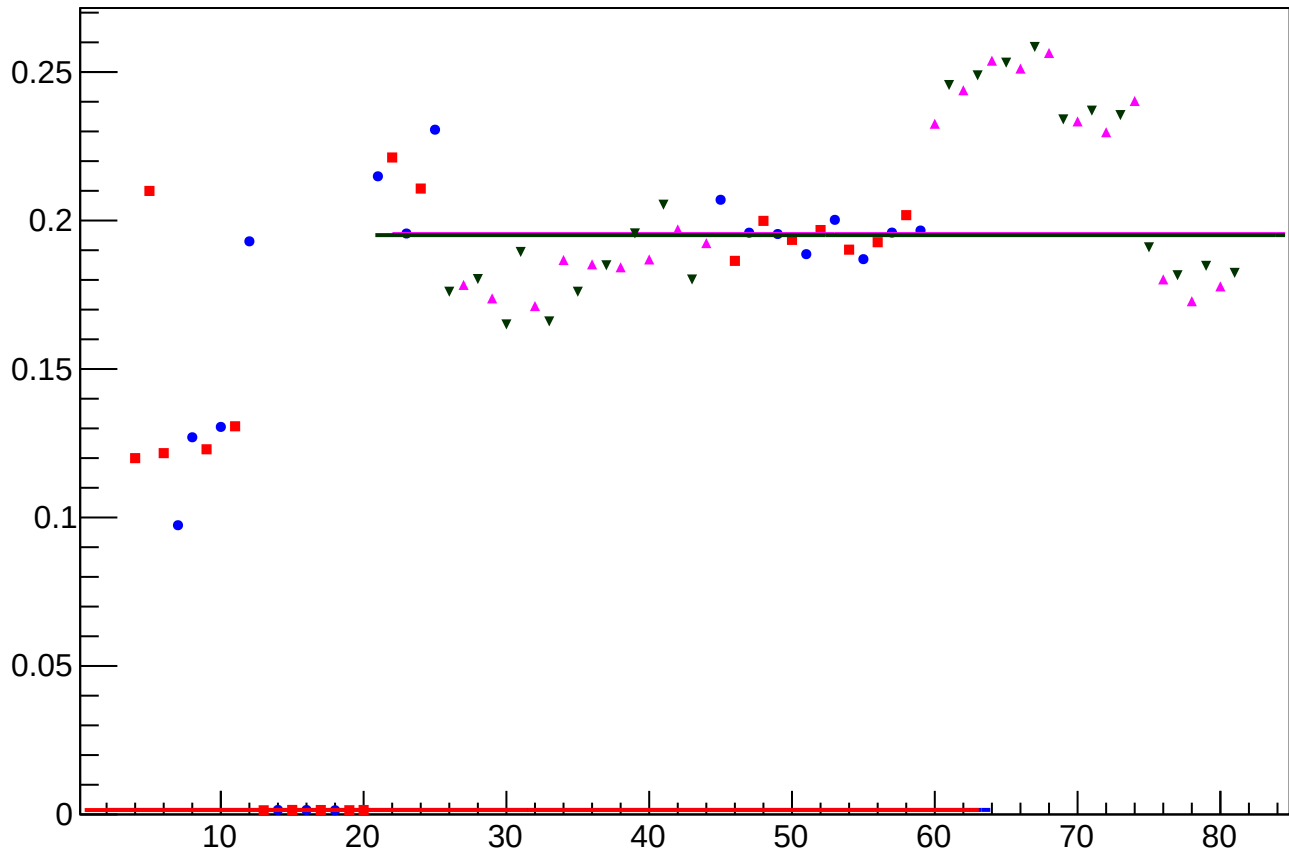
0.144 $\pm$ 0.000 χ^2 /NDF: 2379987675746.3/38

Right Out: 0.122 $\pm$ 0.000 χ^2 /NDF: 876428994690.6/18

0.137 $\pm$ 0.000 χ^2 /NDF: 2212297938161.5/38

Left In: 68.910 $\pm$ 0.000 χ^2 /NDF: 520203969.0/19

yield_bcm_an_us_rms vs slug



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

Left Out: 0.195 $\pm$ 0.000 χ^2 /NDF:412326.5/20

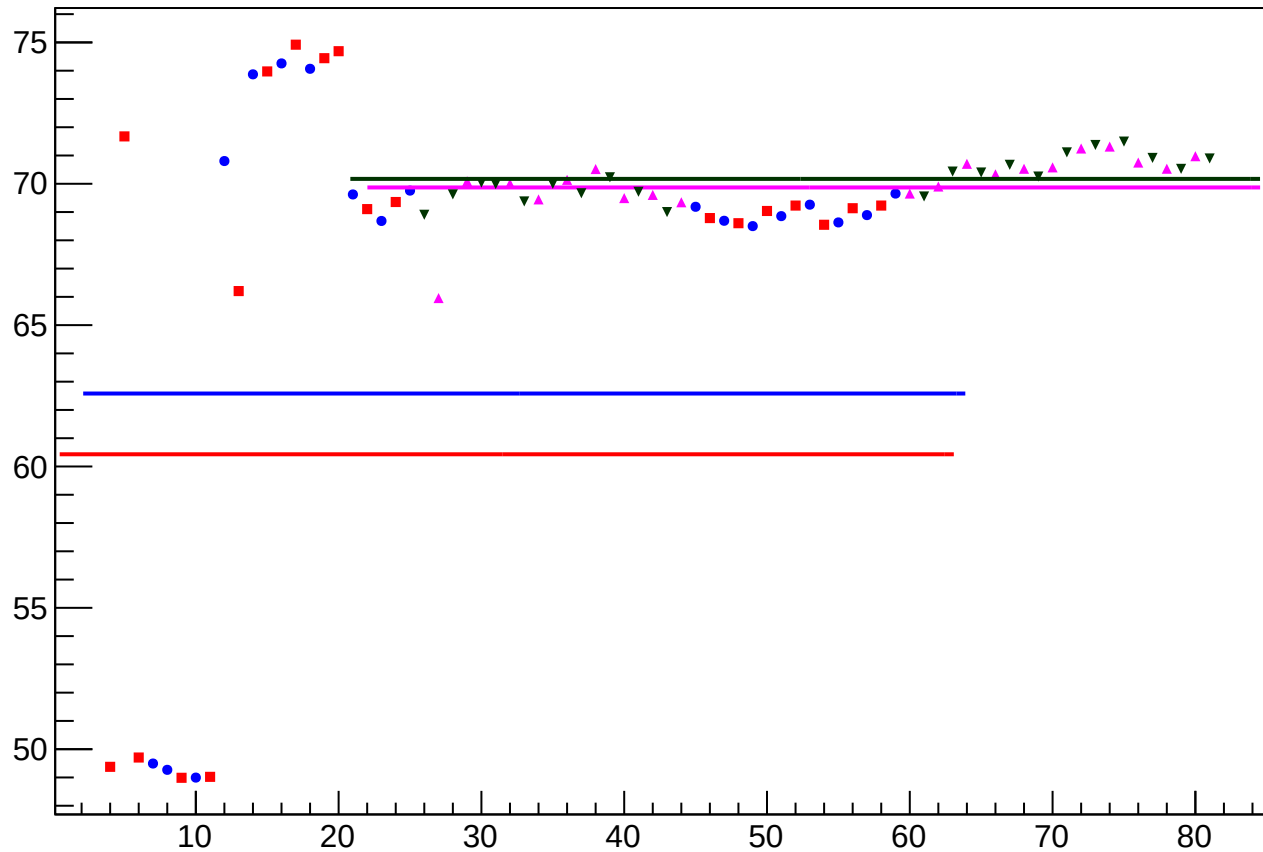
0.002 $\pm$ 0.000 χ^2 /NDF: 37915759.3/38

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

0.002 $\pm$ 0.000 χ^2 /NDF: 35199875.9/38

Left In: 0.195 $\pm$ 0.000 χ^2 /NDF:430777.9/19

yield_bcm_dg_us_mean vs slug



Right In: 62.581 $\pm$ 0.000 χ^2/NDF : 33681231971.4/17

Left Out: 70.173 $\pm$ 0.000 χ^2/NDF : 127852010.1/20

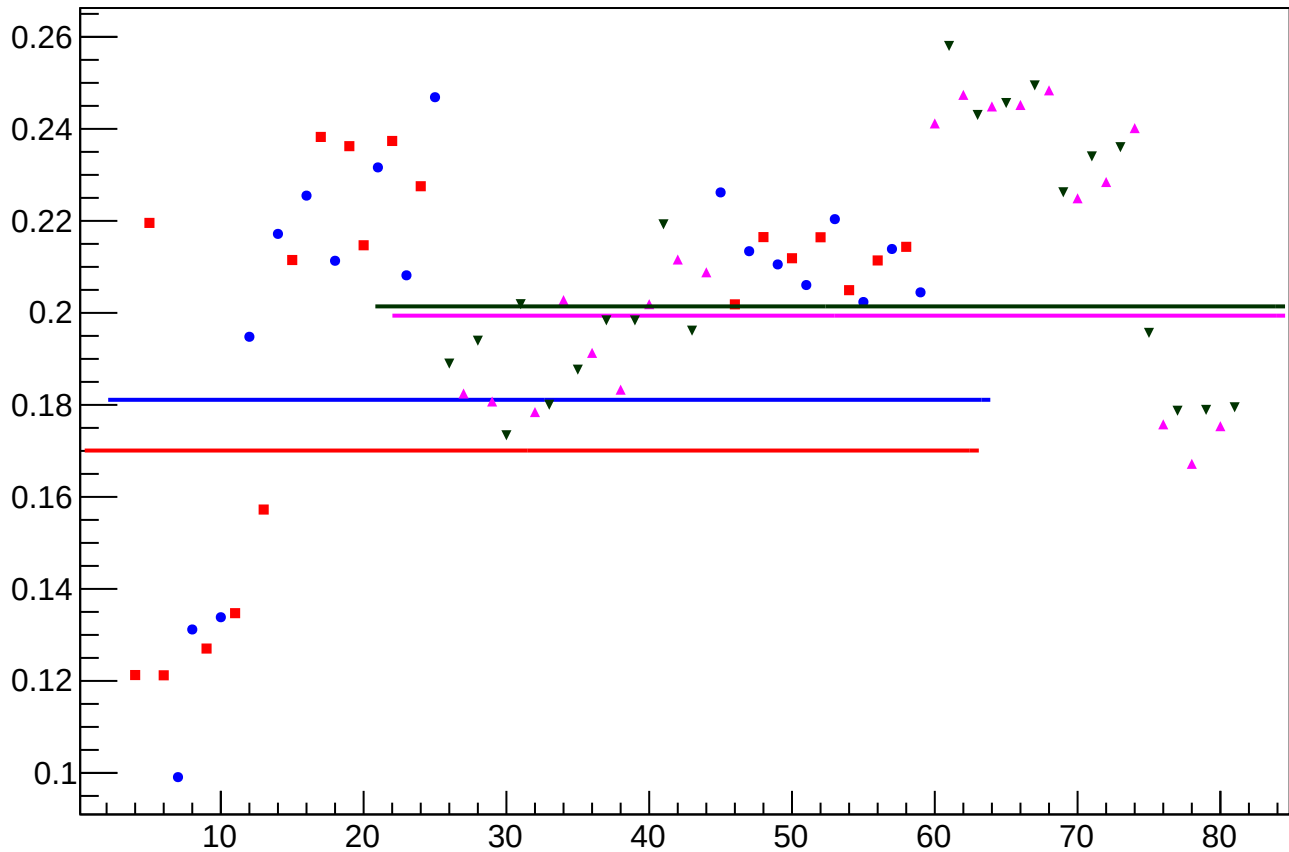
66.016 $\pm$ 0.000 χ^2/NDF : 41994885225.7/38

Right Out: 60.432 $\pm$ 0.000 χ^2/NDF : 32977972131.8/18

64.863 $\pm$ 0.000 χ^2/NDF : 46270535413.2/38

Left In: 69.870 $\pm$ 0.000 χ^2/NDF : 482466564.9/19

yield_bcm_dg_us_rms vs slug



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

Left Out: 0.201+/-0.000 χ^2/NDF : 305458.9/20

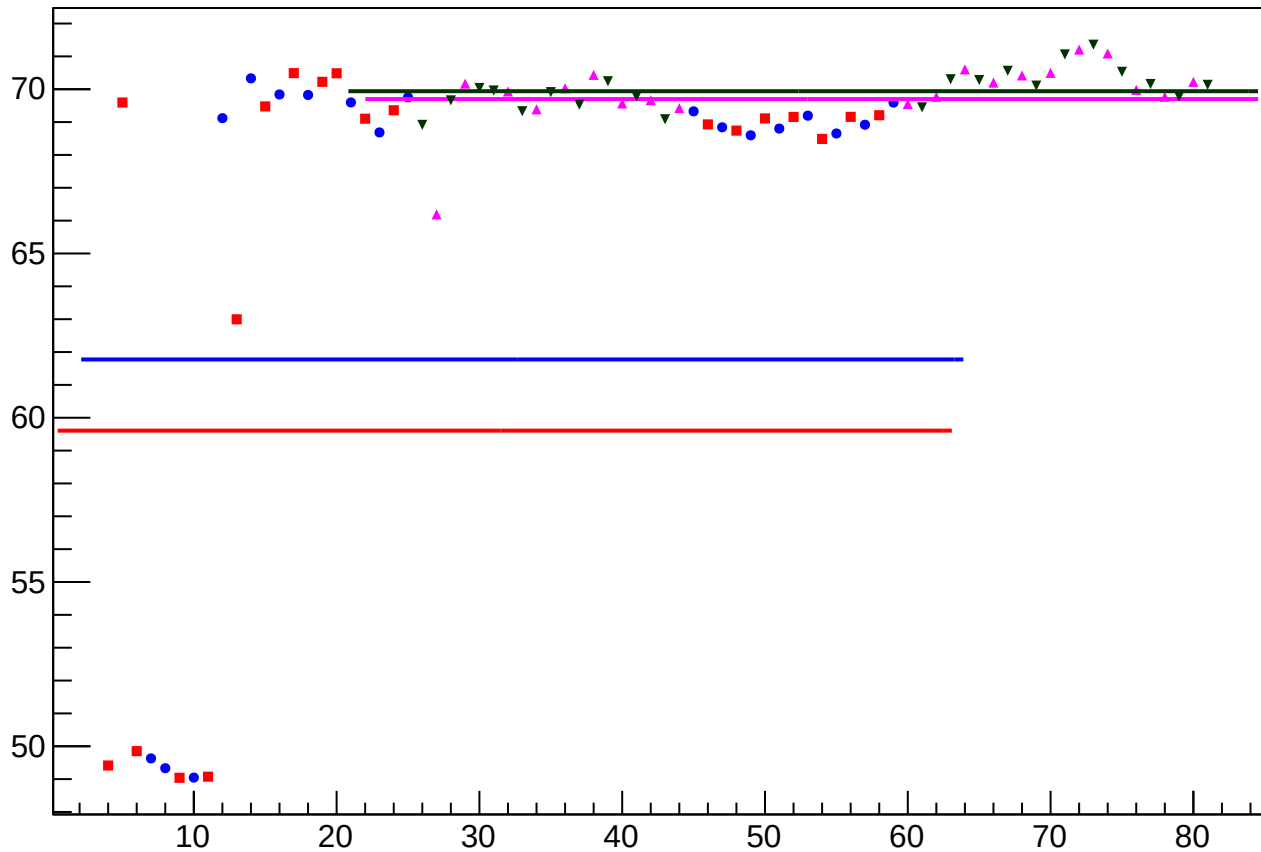
0.190+/-0.000 χ^2/NDF : 1638797.6/38

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

0.184+/-0.000 χ^2/NDF : 1810462.4/38

Left In: 0.199+/-0.000 χ^2/NDF : 379589.8/19

yield_bcm_dg_ds_mean vs slug



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

Left Out: 69.940 ± 0.000 χ^2/NDF : 78416595.3/20

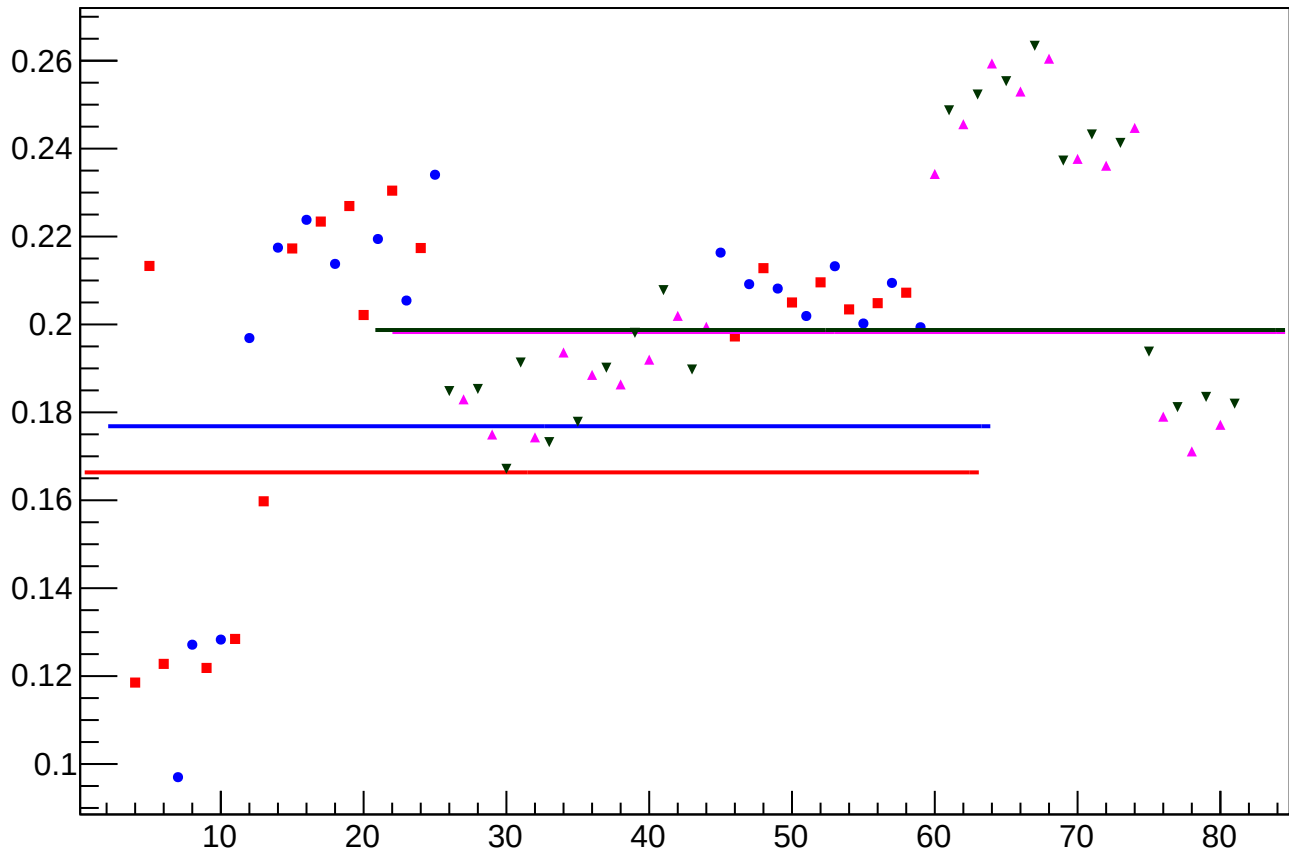
65.422 ± 0.000 χ^2/NDF : 40833133649.4/38

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

64.260 ± 0.000 χ^2/NDF : 44973072216.2/38

Left In: 69.701 ± 0.000 χ^2/NDF : 376867435.4/19

yield_bcm_dg_ds_rms vs slug



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

Left Out: 0.199+/-0.000 χ^2/NDF : 403057.7/20

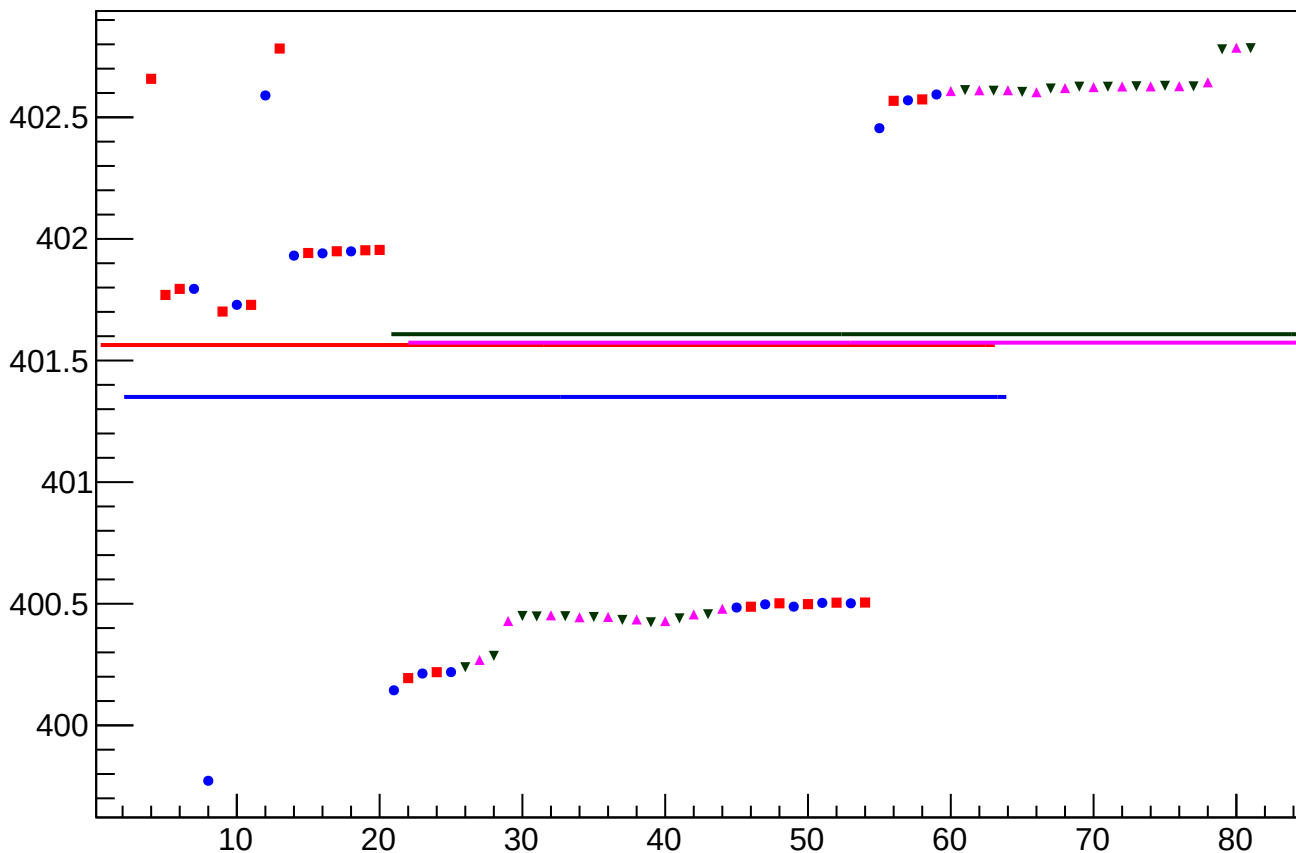
0.187+/-0.000 χ^2/NDF : 1820388.9/38

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

0.181+/-0.000 χ^2/NDF : 1902321.3/38

Left In: 0.198+/-0.000 χ^2/NDF : 444624.3/19

yield_cav4bQ_mean vs slug



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

Left Out: 401.608+/-0.000 χ^2/NDF : 314700529208.7/20

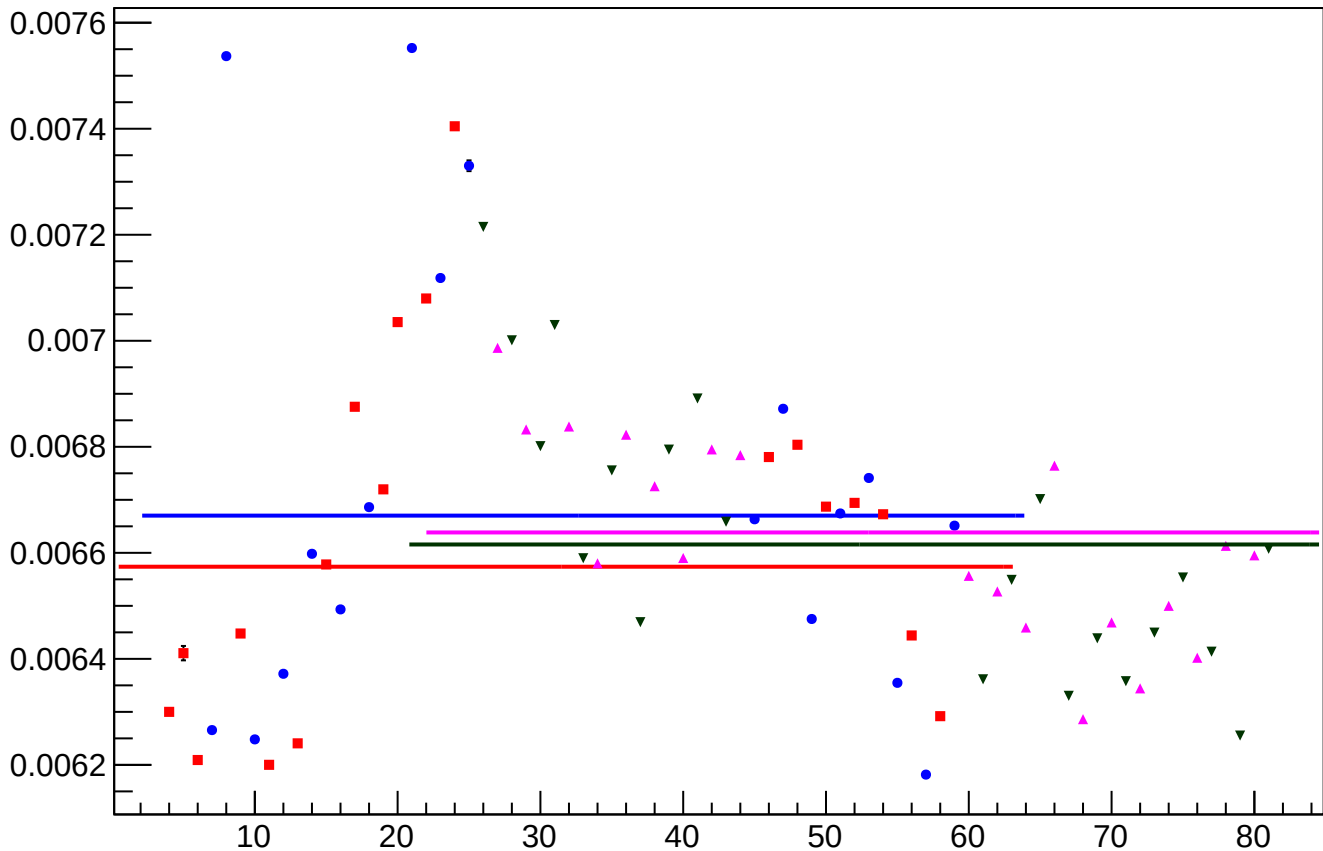
Right Out: 401.564+/-0.000 χ^2/NDF : 183973928948.5/18

Left In: 401.573+/-0.000 χ^2/NDF : 313288445303.1/19

401.479+/-0.000 χ^2/NDF : 558142608168.8/38

401.569+/-0.000 χ^2/NDF : 497273833268.4/38

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 :30173.6/20

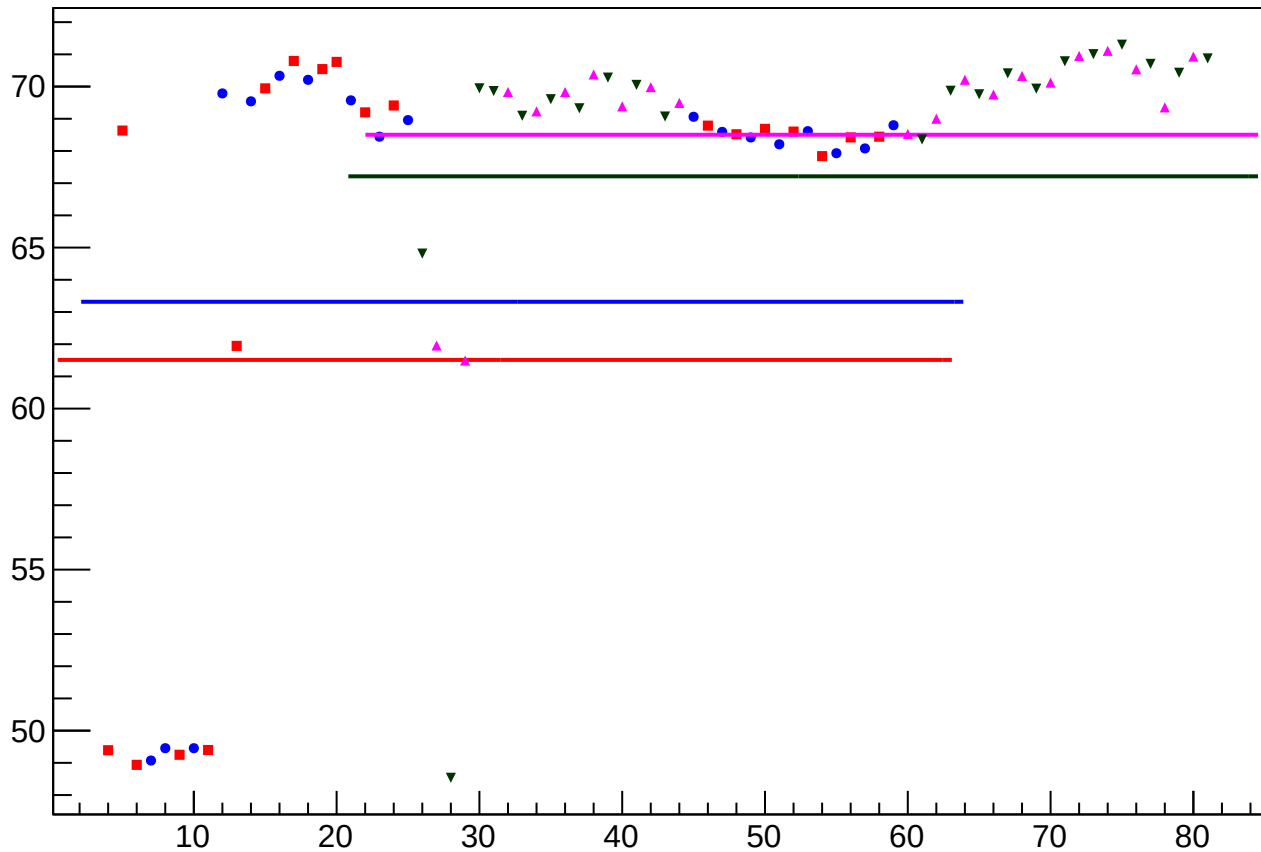
0.007+/-0.000 χ^2/NDF : 107599.4/38

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

0.007+/-0.000 χ^2/NDF : 67389.6/38

Left In: 0.007+/-0.000 χ^2/NDF :18695.3/19

yield_cav4cQ_mean vs slug



Right In: 63.318 $\pm$ 0.000 χ^2/NDF : 17047377048.9/17

Left Out: 67.213 $\pm$ 0.000 χ^2/NDF : 10639493325.7/20

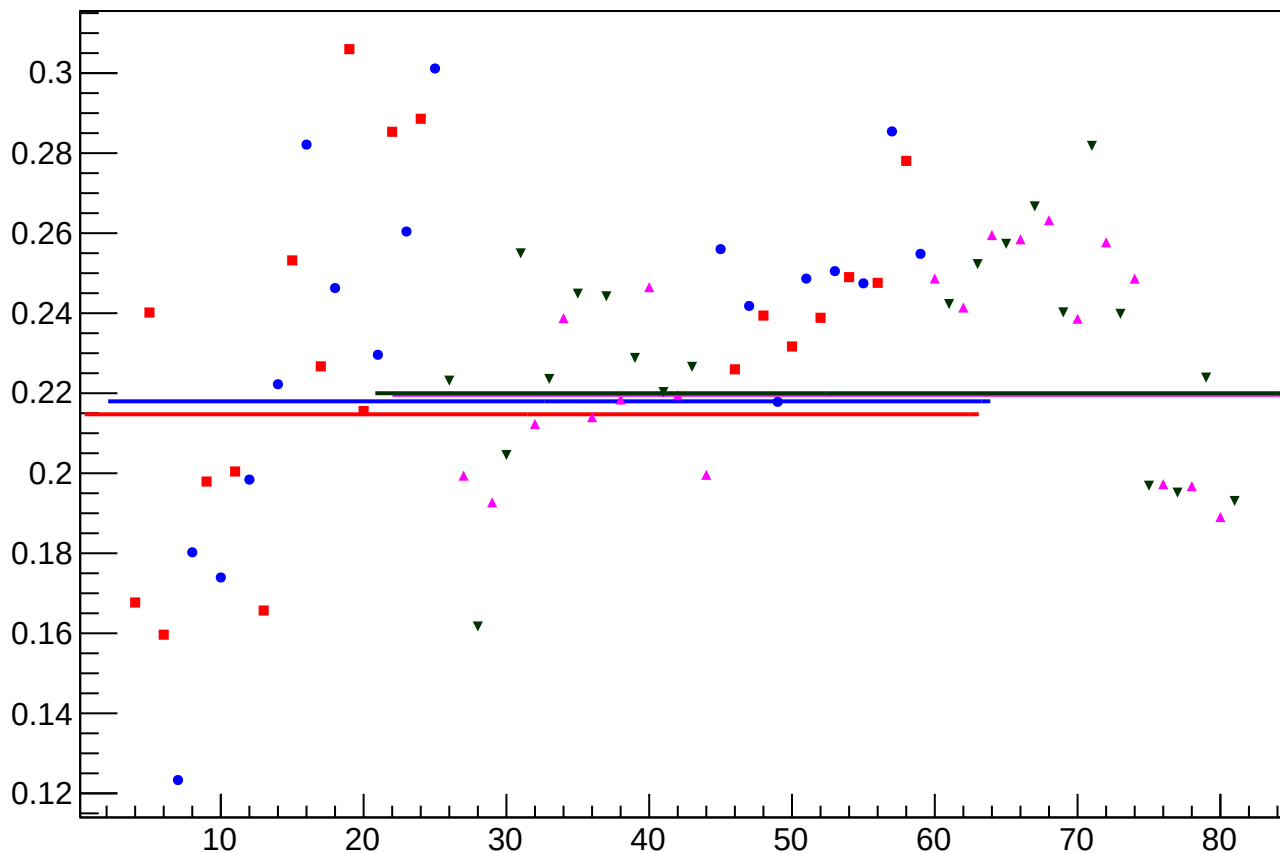
65.251 $\pm$ 0.000 χ^2/NDF : 29279600477.9/38

Right Out: 61.513 $\pm$ 0.000 χ^2/NDF : 15349624825.1/18

65.270 $\pm$ 0.000 χ^2/NDF : 22460747857.5/38

Left In: 68.503 $\pm$ 0.000 χ^2/NDF : 2218970568.5/19

yield_cav4cQ_rms vs slug



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

Left Out: 0.220+/-0.000 χ^2/NDF : 406418.7/20

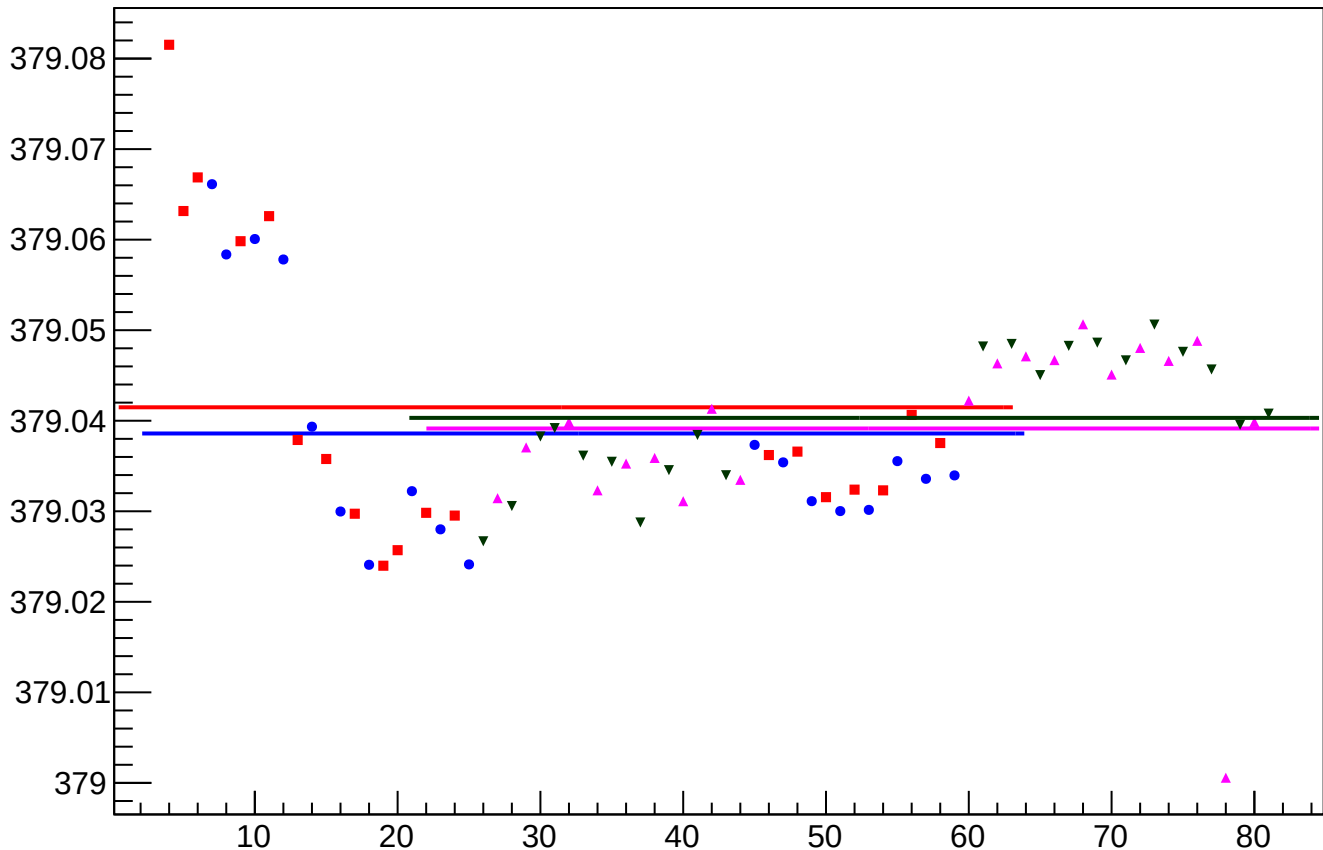
Right Out: 0.215+/-0.000 χ^2/NDF : 631176.3/18

Left In: 0.220+/-0.000 χ^2/NDF : 261765.8/19

0.219+/-0.000 χ^2/NDF : 1141909.3/38

0.217+/-0.000 χ^2/NDF : 897688.7/38

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:11898467.9/20

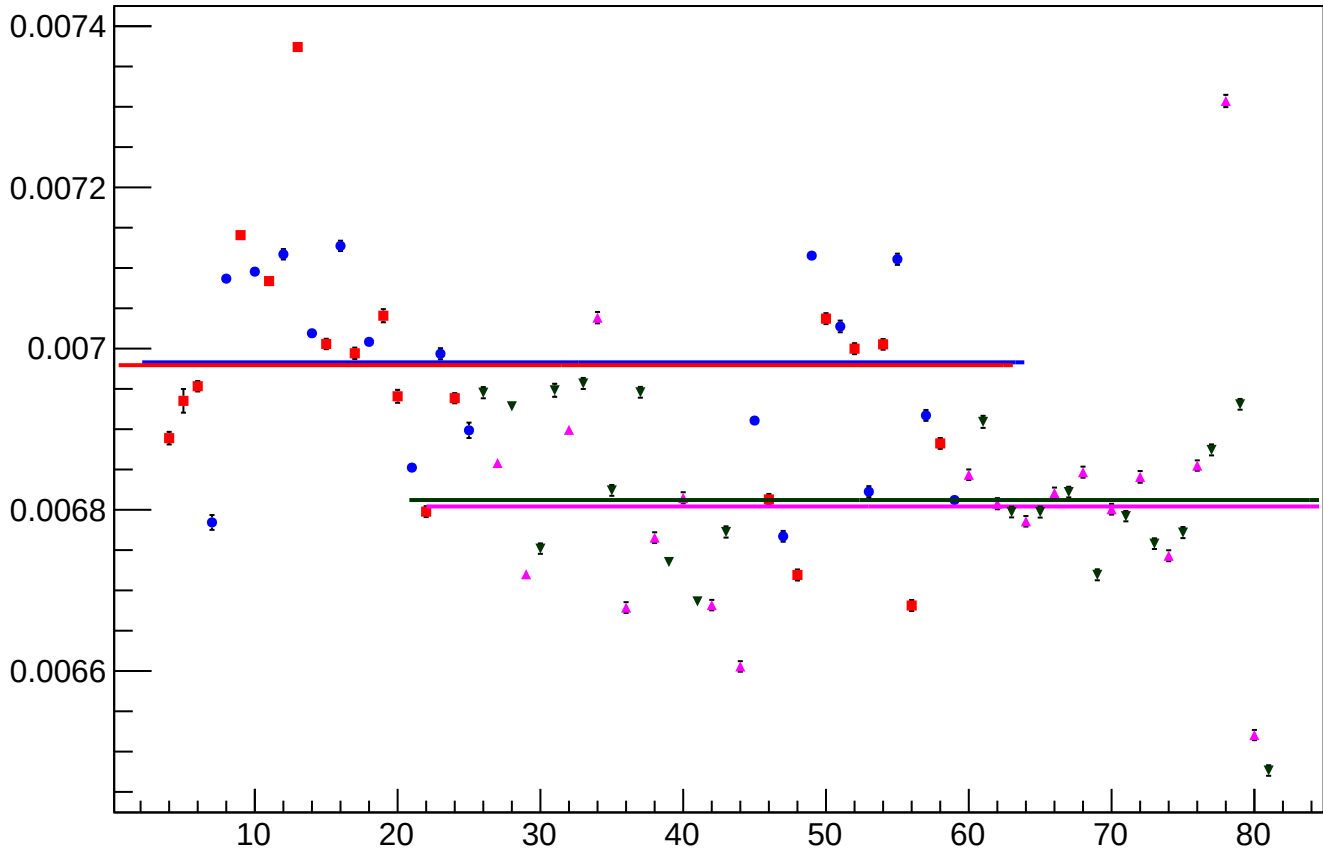
379.039 $\pm$ 0.000 χ^2 /NDF: 46021639.7/38

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

379.040 $\pm$ 0.000 χ^2 /NDF: 69044855.8/38

Left In: 379.039 $\pm$ 0.000 χ^2 /NDF:22153896.3/19

yield_cav4dQ_rms vs slug



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

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 6127.9/20

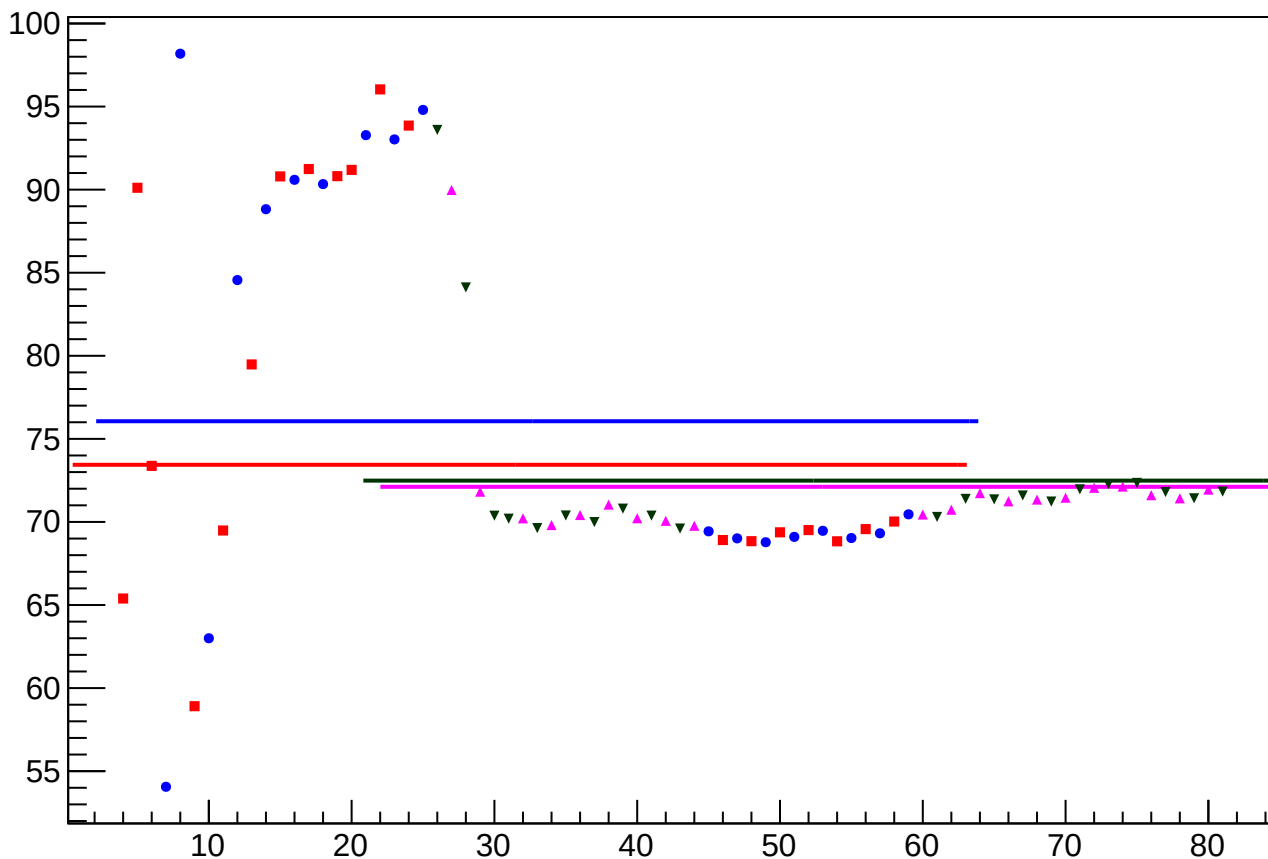
0.007 $\pm$ 0.000 χ^2 /NDF: 19652.6/38

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

0.007 $\pm$ 0.000 χ^2 /NDF: 28697.4/38

Left In: 0.007 $\pm$ 0.000 χ^2 /NDF: 10105.0/19

yield_bcm0l02_mean vs slug



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

Left Out: 72.487 $\pm$ 0.000 χ^2 /NDF: 3833652581.1/20

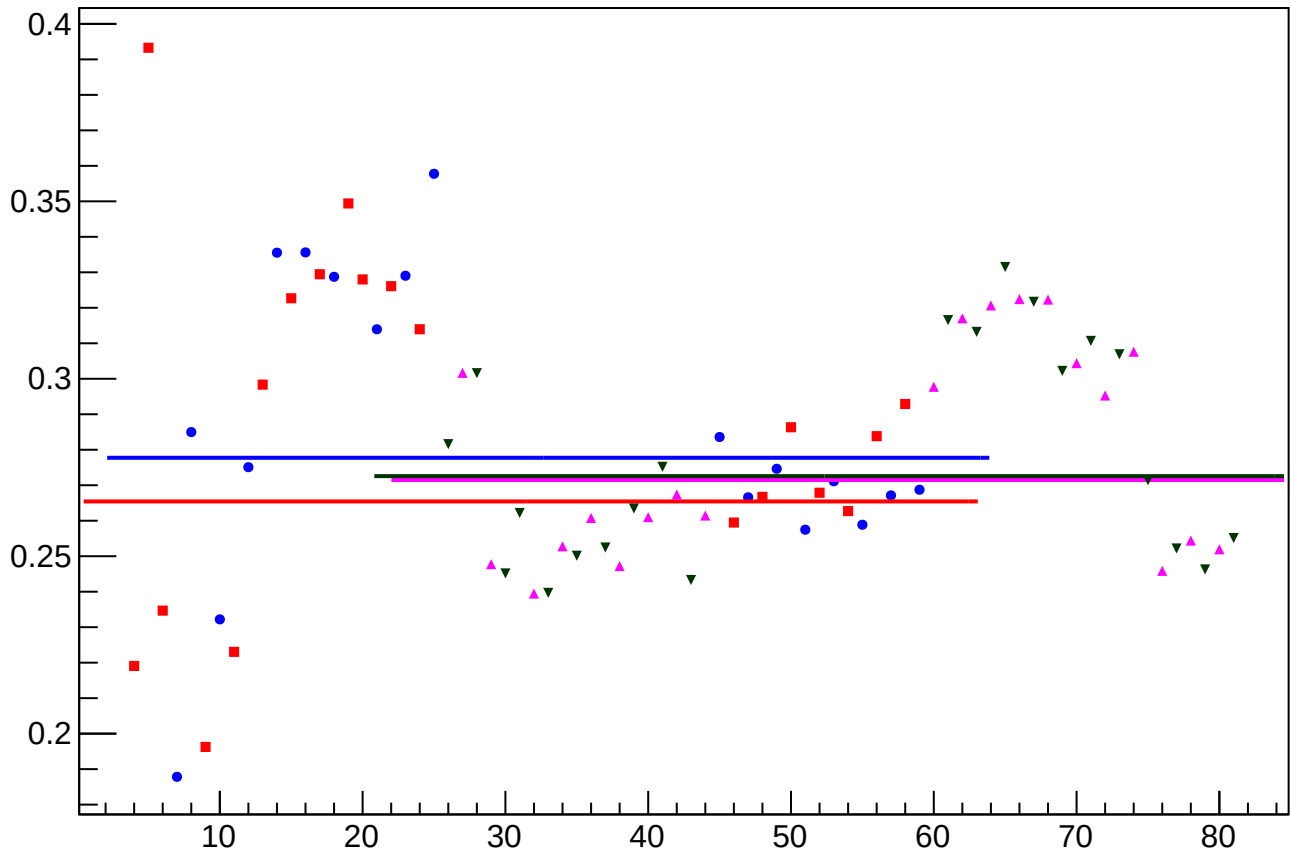
Right Out: 73.439 $\pm$ 0.000 χ^2 /NDF: 14741427319.0/18

Left In: 72.114 $\pm$ 0.000 χ^2 /NDF: 2990476676.3/19

74.243 $\pm$ 0.000 χ^2 /NDF: 25482486520.2/38

72.730 $\pm$ 0.000 χ^2 /NDF: 17848971066.9/38

yield_bcm0l02_rms vs slug



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

Left Out: 0.273+/-0.000 χ^2/NDF : 219604.4/20

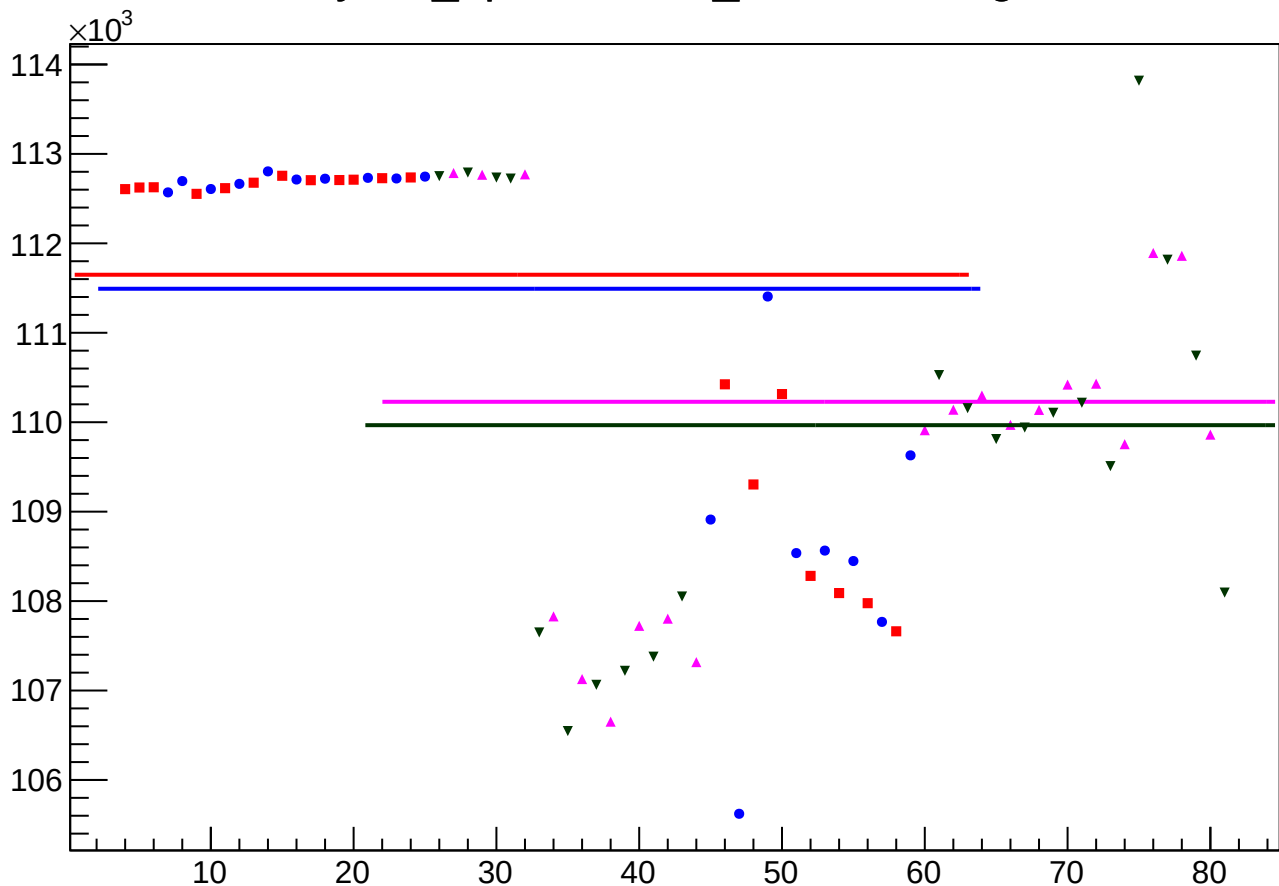
0.275+/-0.000 χ^2/NDF : 593458.2/38

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

0.269+/-0.000 χ^2/NDF : 742185.0/38

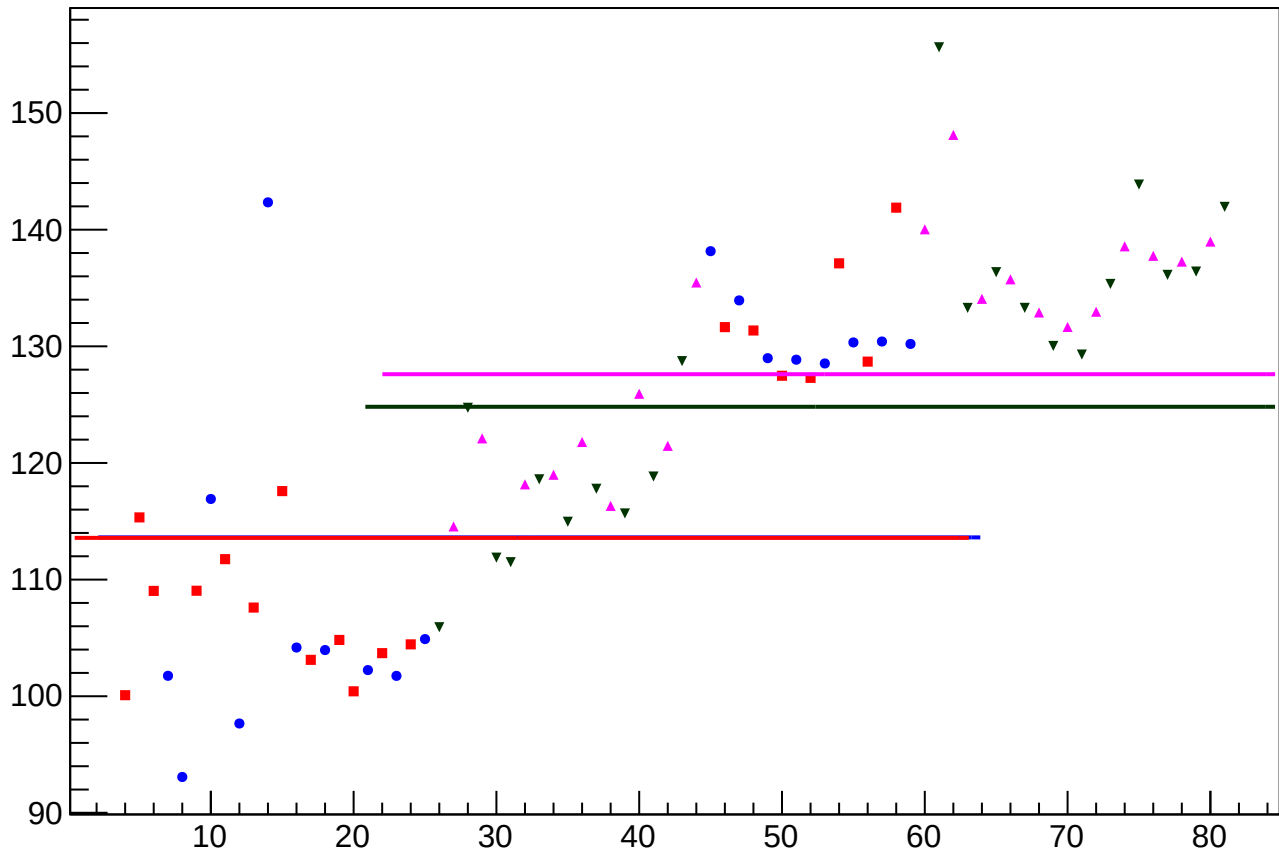
Left In: 0.271+/-0.000 χ^2/NDF : 233743.8/19

yield_bpm2i01WS_mean vs slug



Right In: 111492.185 $\pm$ 0.035	χ^2 /NDF: 3171680490.6/17	110826.586 $\pm$ 0.026	χ^2 /NDF: 7204371477.2/38
Left Out: 109966.932 $\pm$ 0.040	χ^2 /NDF: 3201217326.4/20		
Right Out: 111648.935 $\pm$ 0.037	χ^2 /NDF: 2298631932.7/18	110983.834 $\pm$ 0.027	χ^2 /NDF: 5738466575.2/38
Left In: 110228.339 $\pm$ 0.040	χ^2 /NDF: 2758386082.3/19		

yield_bpm2i01WS_rms vs slug



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

Left Out: 124.817 $\pm$ 0.028 χ^2 /NDF:162031.6/20

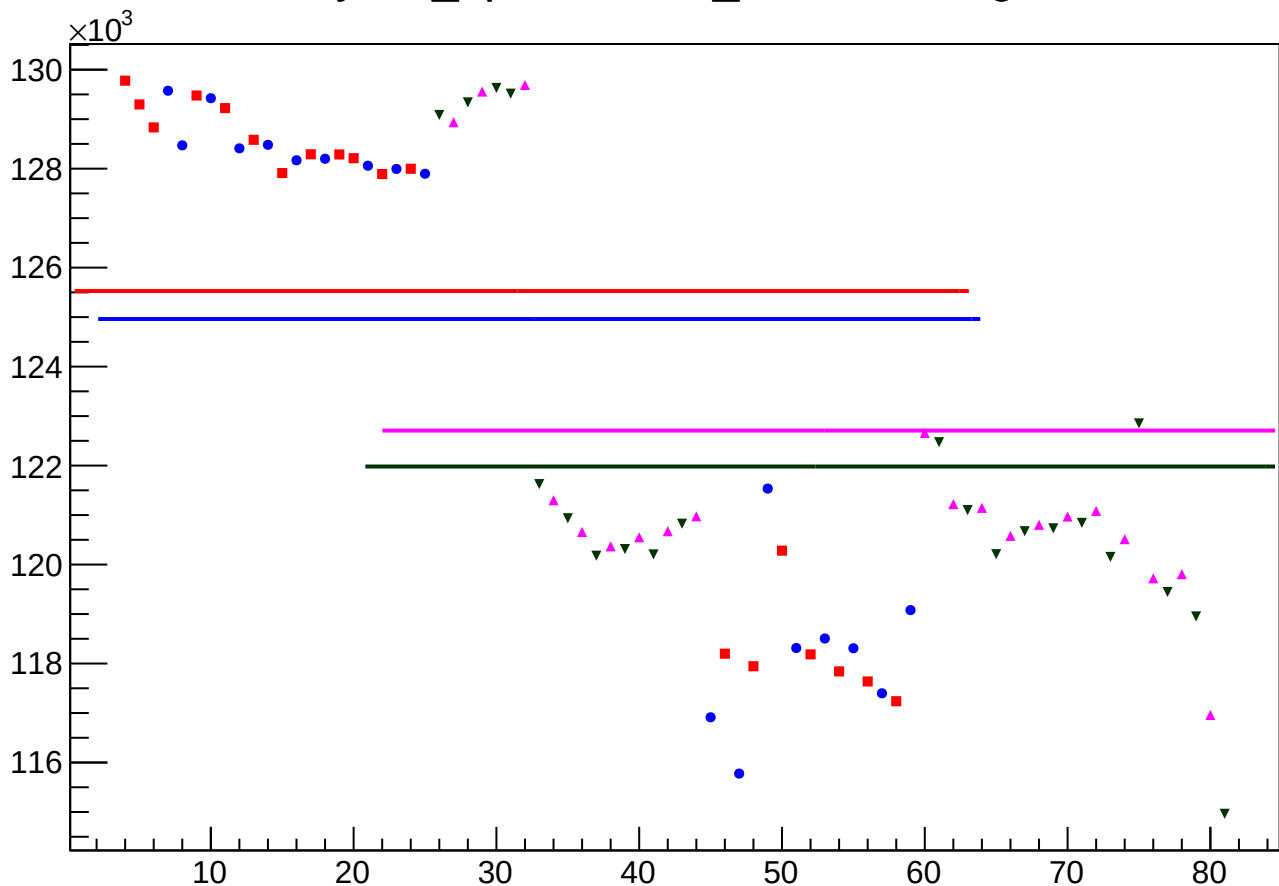
Right Out: 113.579 $\pm$ 0.026 χ^2 /NDF: 206805.2/18

Left In: 127.610 $\pm$ 0.028 χ^2 /NDF:109009.6/19

118.506 $\pm$ 0.019 χ^2 /NDF: 674011.5/38

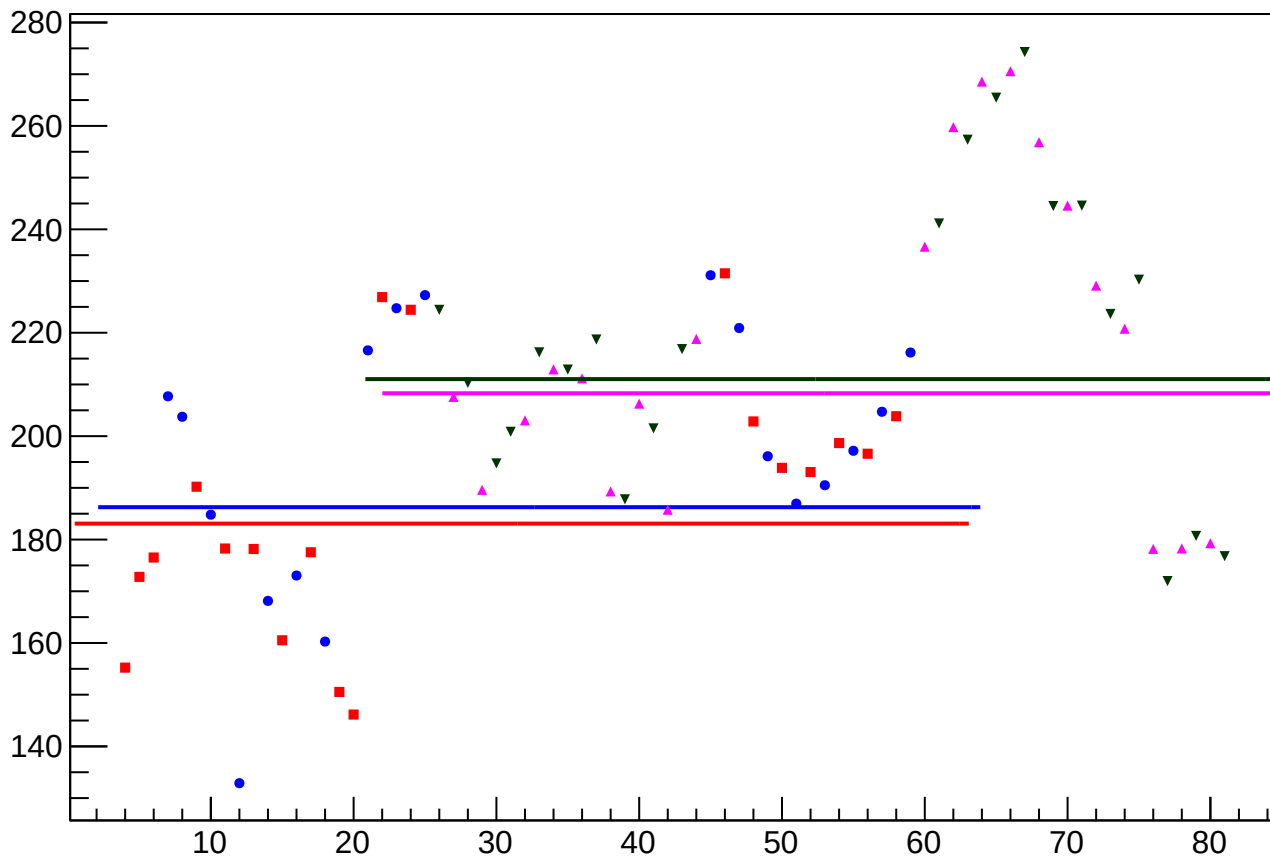
120.148 $\pm$ 0.019 χ^2 /NDF: 448755.1/38

yield_bpm0i07WS_mean vs slug



Right In: 124961.680 $\pm$ 0.057	χ^2 /NDF: 7216201458.1/17	123674.933 $\pm$ 0.043	χ^2 /NDF: 12360991439.2/3
Left Out: 121981.204 $\pm$ 0.065	χ^2 /NDF: 3955496182.2/20		
Right Out: 125527.018 $\pm$ 0.060	χ^2 /NDF: 6545248421.9/18	124198.053 $\pm$ 0.043	χ^2 /NDF: 11828170162.0/3
Left In: 122707.508 $\pm$ 0.063	χ^2 /NDF: 4226110362.1/19		

yield_bpm0i07WS_rms vs slug



Right In: 186.263 $\pm$ 0.040 χ^2 /NDF: 462392.0/17

Left Out: 211.033 $\pm$ 0.046 χ^2 /NDF:345510.9/20

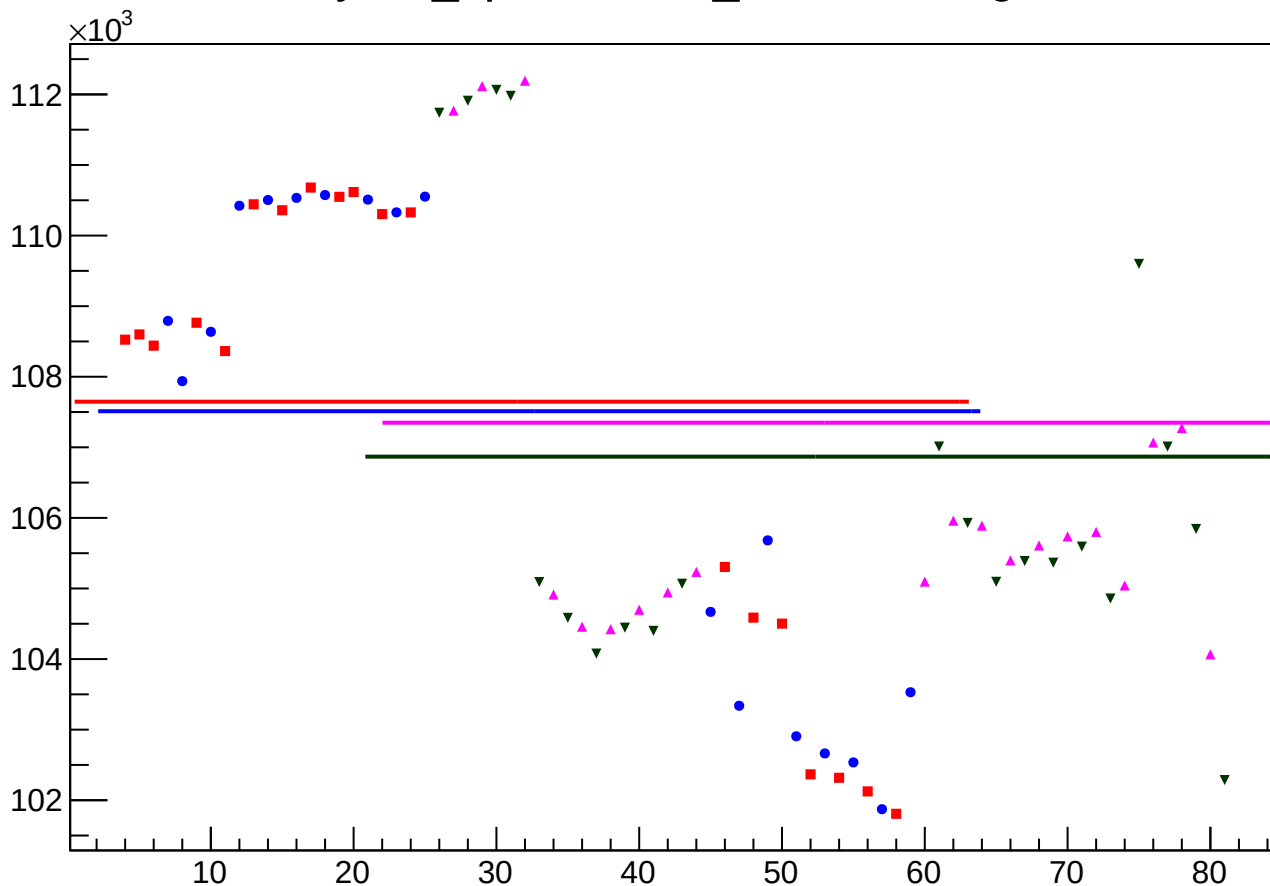
Right Out: 183.088 $\pm$ 0.042 χ^2 /NDF: 276420.3/18

Left In: 208.296 $\pm$ 0.045 χ^2 /NDF:357227.3/19

196.957 $\pm$ 0.030 χ^2 /NDF: 972185.8/38

194.970 $\pm$ 0.031 χ^2 /NDF: 802596.0/38

yield_bpm0l01WS_mean vs slug



Right In: 107511.375 $\pm$ 0.037 χ^2 /NDF: 7545366390.6/17

Left Out: 106867.956 $\pm$ 0.039 χ^2 /NDF: 6581924628.0/20

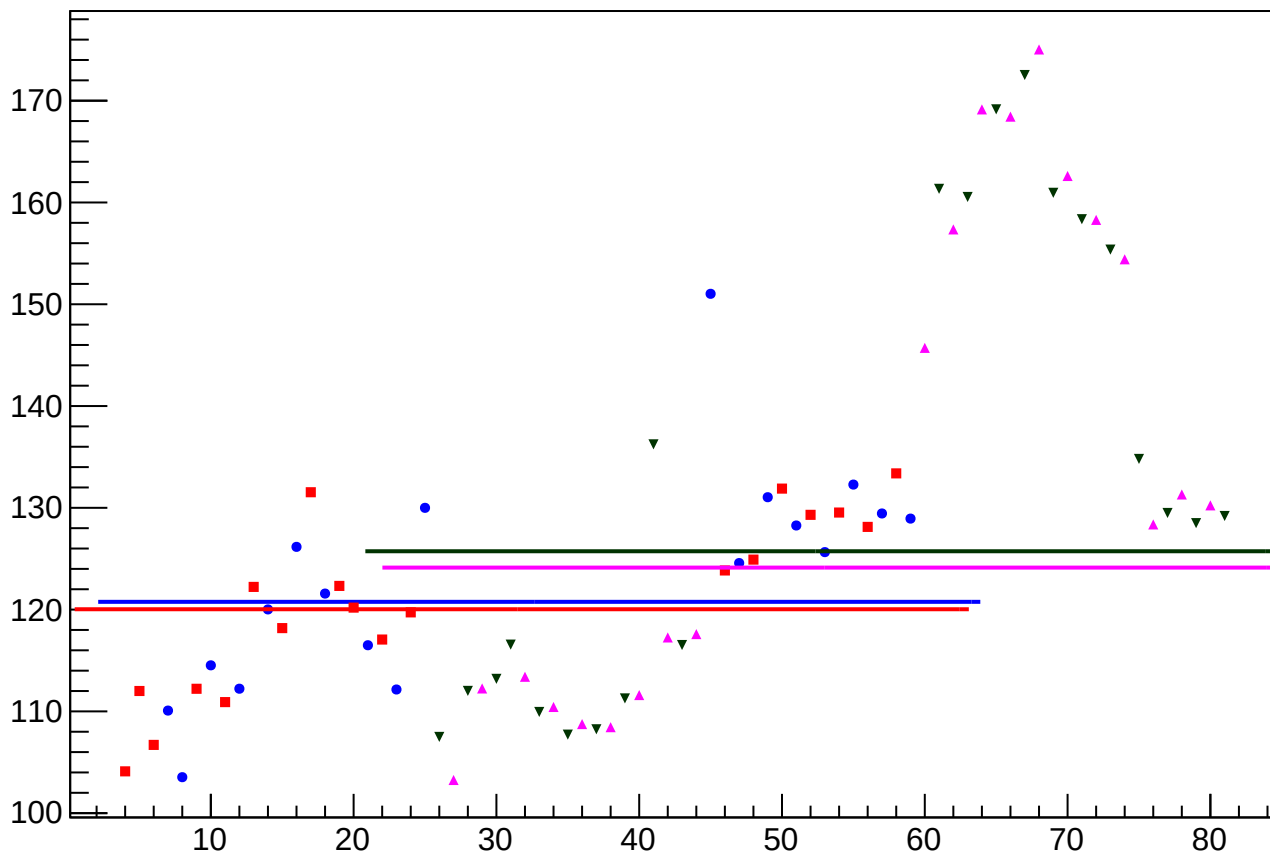
Right Out: 107646.372 $\pm$ 0.039 χ^2 /NDF: 6547636060.9/18

Left In: 107348.782 $\pm$ 0.038 χ^2 /NDF: 7165627485.5/19

107210.952 $\pm$ 0.027 χ^2 /NDF: 14271673239.5/3

107493.434 $\pm$ 0.027 χ^2 /NDF: 13743304801.4/3

yield_bpm0l01WS_rms vs slug



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

Left Out: 125.732+/-0.028 χ^2/NDF : 534534.9/20

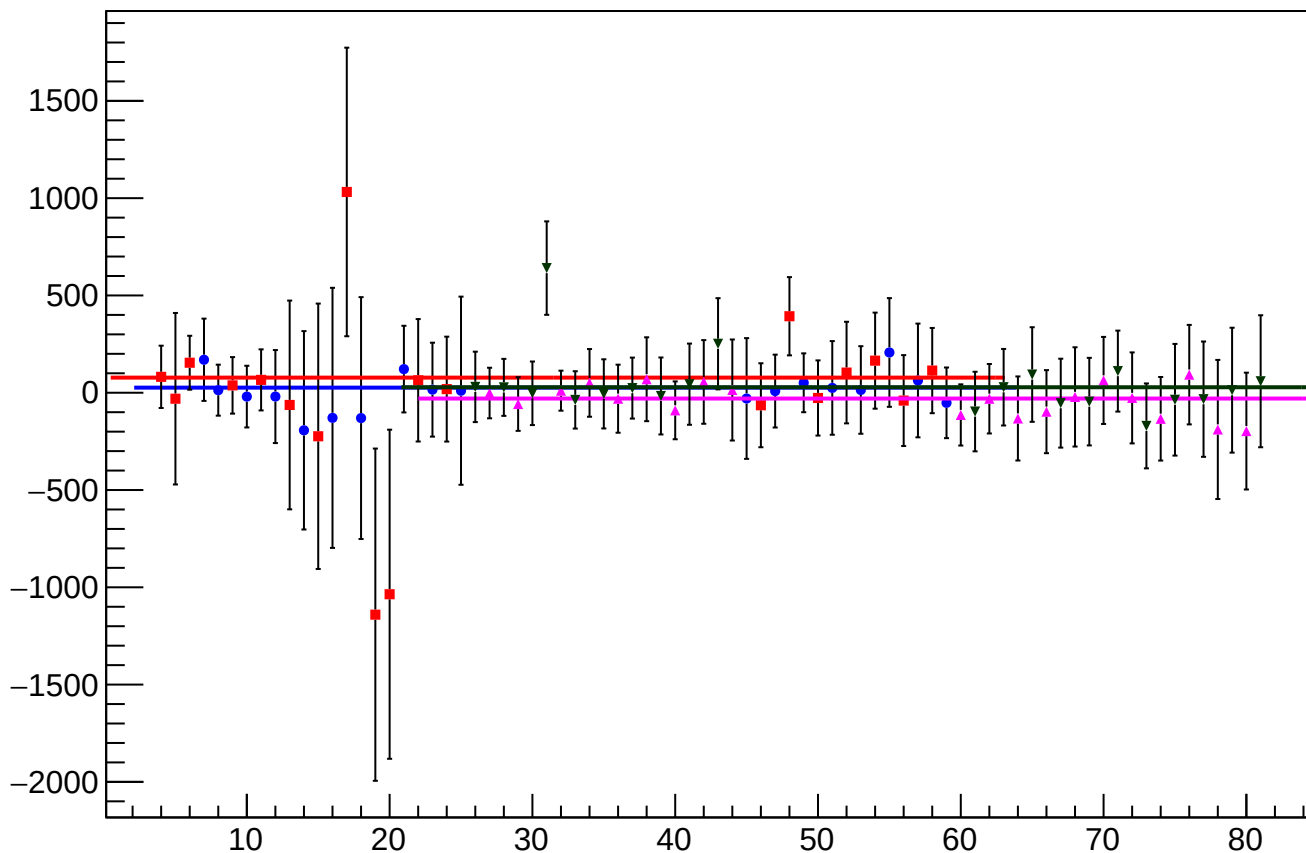
Right Out: 120.035+/-0.028 χ^2/NDF : 93920.3/18

Left In: 124.127+/-0.027 χ^2/NDF : 613208.5/19

123.083+/-0.019 χ^2/NDF : 707491.2/38

122.138+/-0.019 χ^2/NDF : 718491.5/38

asym_bcm_an_ds_mean vs slug



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

Left Out: 28.203+/-44.335 χ^2/NDF : 9.5/20

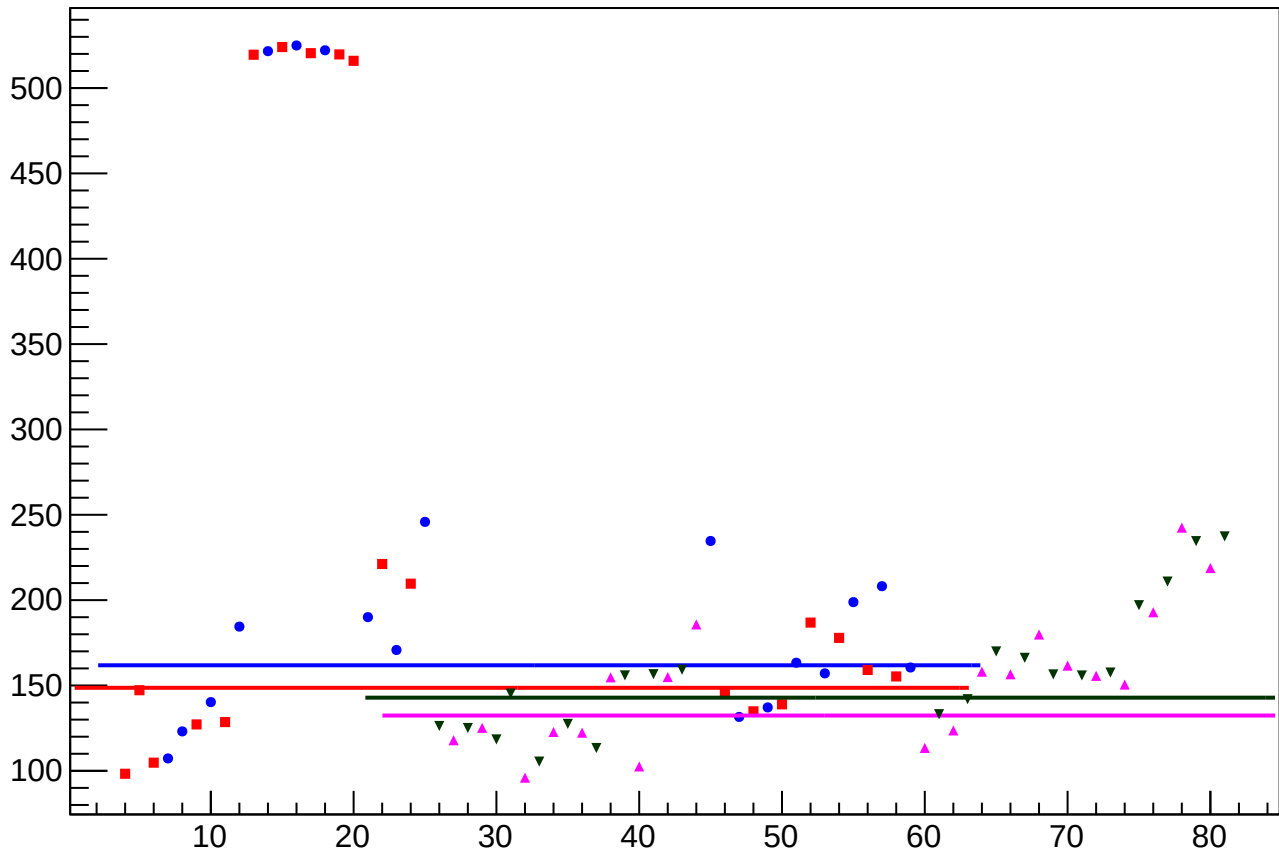
Right Out: 77.703+/-52.586 χ^2/NDF : 9.8/18

Left In: -29.831+/-40.820 χ^2/NDF : 2.8/19

27.388+/-33.875 χ^2/NDF : 11.3/38

10.602+/-32.245 χ^2/NDF : 15.2/38

asym_bcm_an_ds_rms vs slug



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

Left Out: 142.863 ± 0.031 χ^2/NDF : 903099.0/20

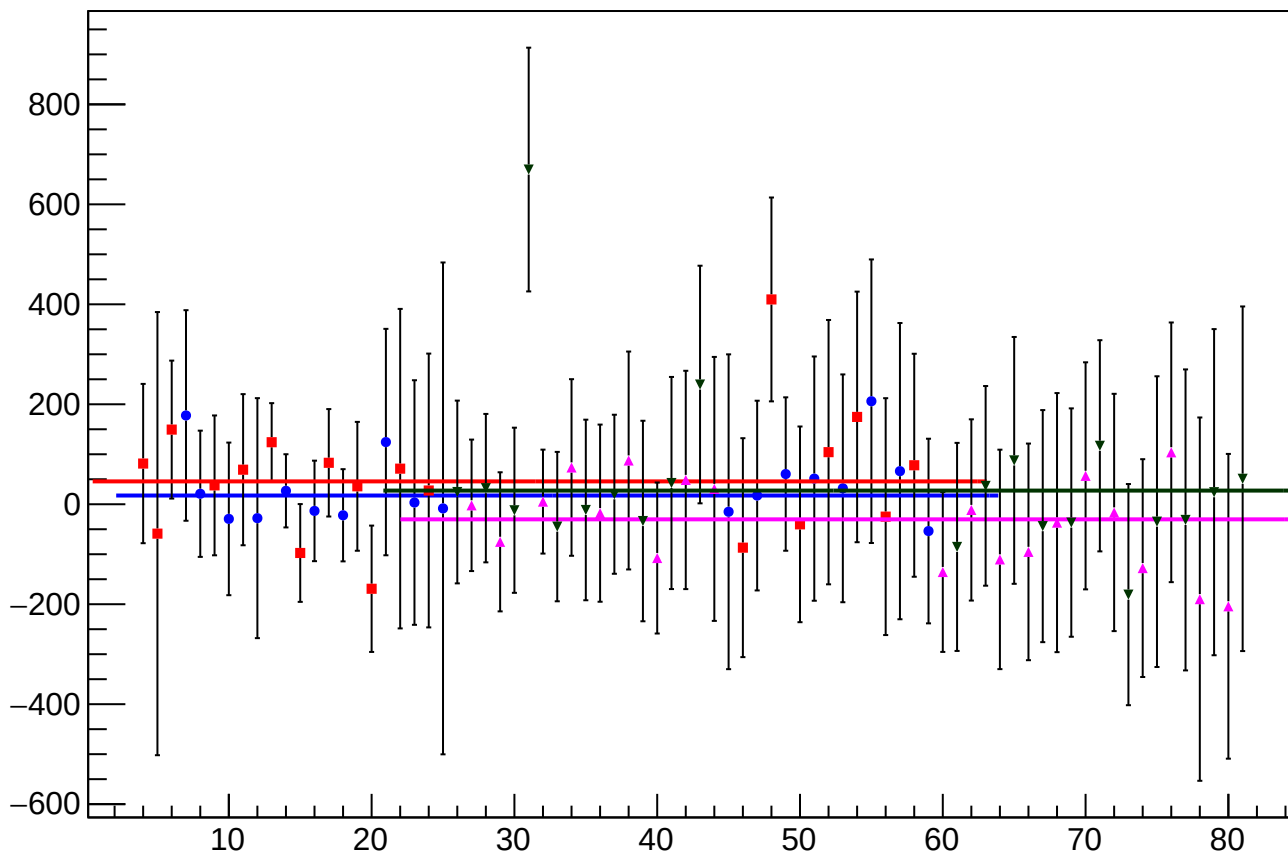
150.758 ± 0.024 χ^2/NDF : 4074386.8/38

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

138.510 ± 0.023 χ^2/NDF : 4908872.8/38

Left In: 132.403 ± 0.029 χ^2/NDF : 1195211.0/19

asym_bcm_an_ds3_mean vs slug



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

Left Out: 27.331 ± 44.982 $\chi^2/\text{NDF}: 9.9/20$

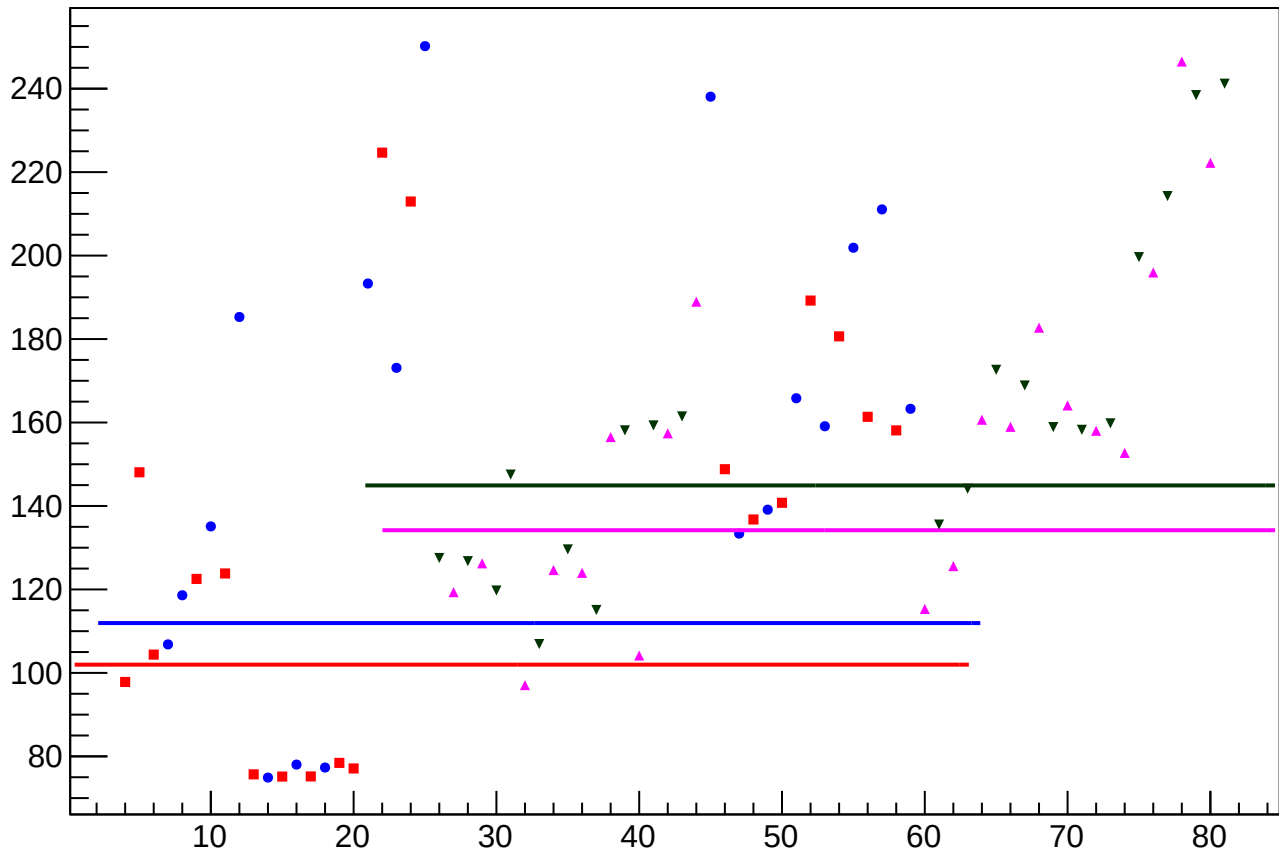
Right Out: 45.735 ± 34.677 $\chi^2/\text{NDF}: 11.0/18$

Left In: -30.203 ± 41.385 $\chi^2/\text{NDF}: 3.2/19$

21.354 ± 28.255 $\chi^2/\text{NDF}: 11.8/38$

14.411 ± 26.580 $\chi^2/\text{NDF}: 16.2/38$

asym_bcm_an_ds3_rms vs slug



Right In: 111.942 $\pm$ 0.026 χ^2 /NDF: 2972725.0/17

Left Out: 144.925 $\pm$ 0.032 χ^2 /NDF: 908587.4/20

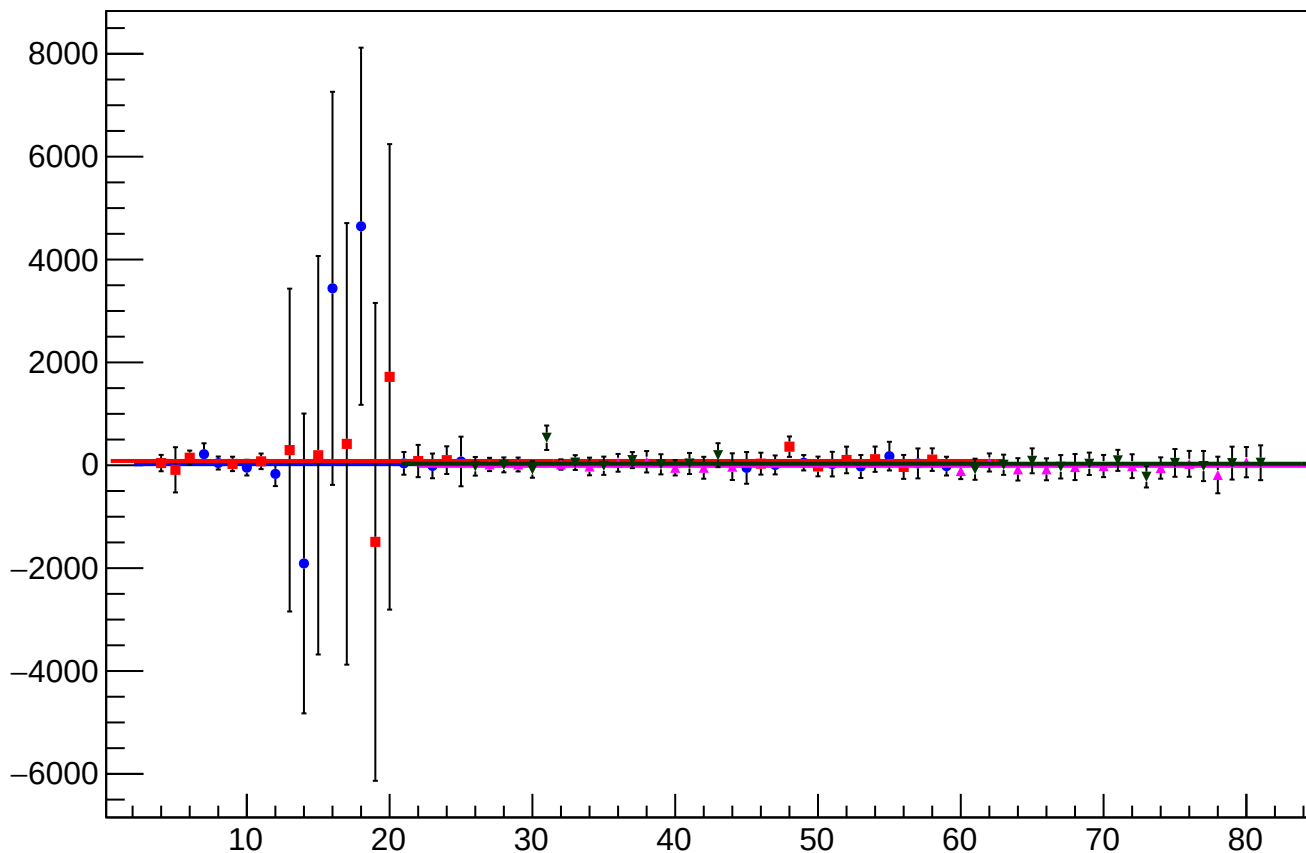
Right Out: 101.974 $\pm$ 0.025 χ^2 /NDF: 2271871.2/18

Left In: 134.189 $\pm$ 0.029 χ^2 /NDF: 1205998.2/19

124.956 $\pm$ 0.020 χ^2 /NDF: 4532333.3/38

115.262 $\pm$ 0.019 χ^2 /NDF: 4189898.0/38

asym_bcm_an_us_mean vs slug



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

Left Out: 30.343+/-43.823 χ^2/NDF : 7.9/20

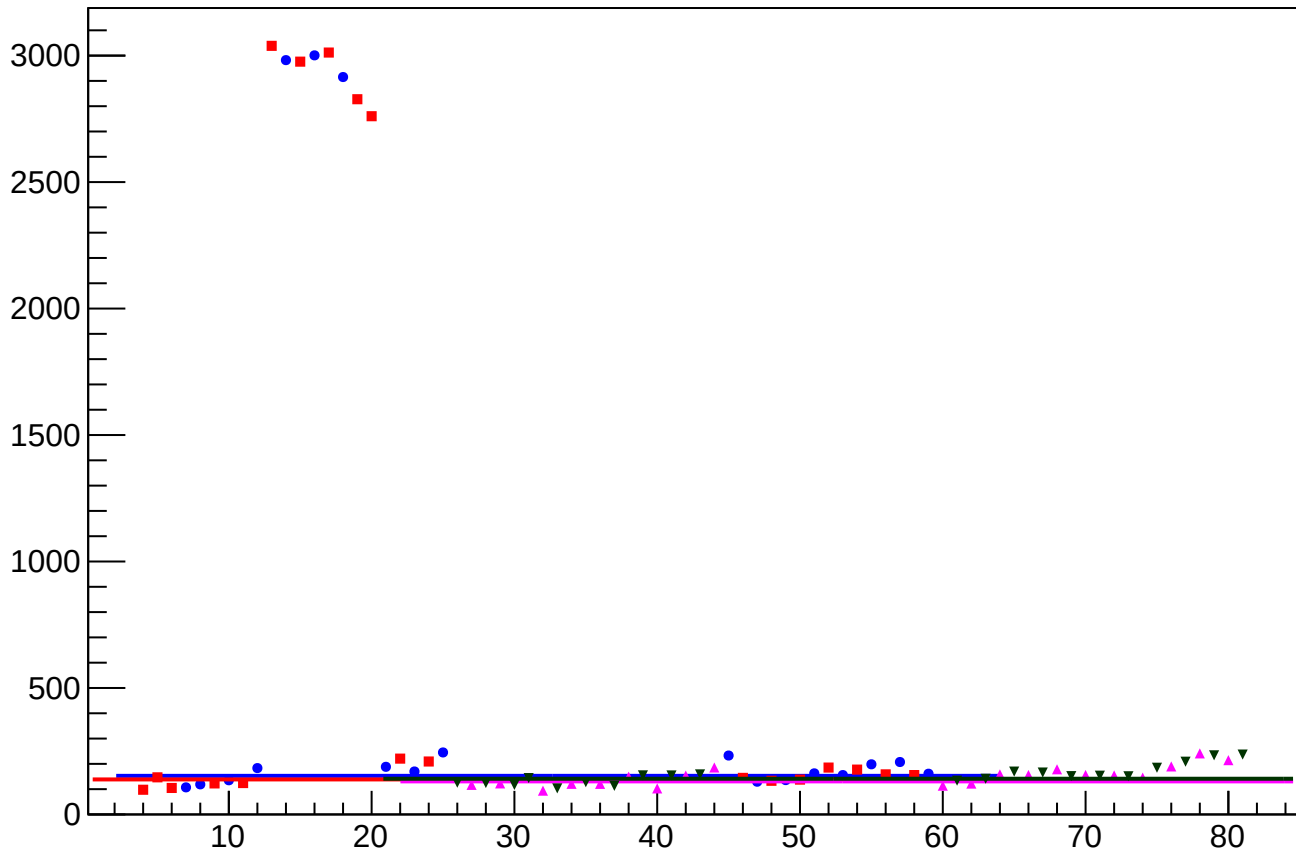
Right Out: 84.092+/-52.636 χ^2/NDF : 3.5/18

Left In: -11.183+/-40.315 χ^2/NDF : 1.6/19

26.813+/-33.607 χ^2/NDF : 13.2/38

24.044+/-32.006 χ^2/NDF : 7.2/38

asym_bcm_an_us_rms vs slug



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

Left Out: 141.183+/-0.031 χ^2/NDF : 887347.0/20

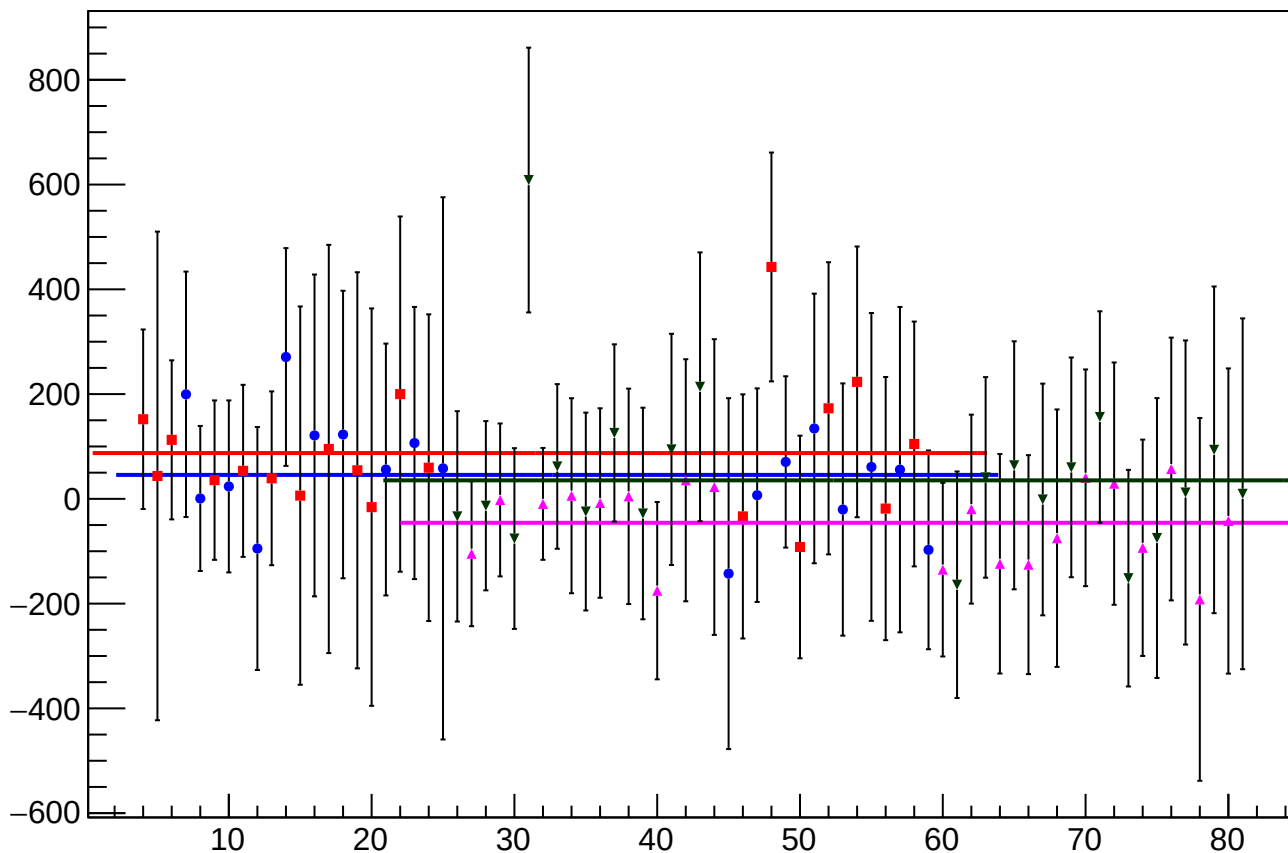
Right Out: 138.455+/-0.037 χ^2/NDF : 5734578.9/18

Left In: 130.770+/-0.029 χ^2/NDF : 1191479.2/19

145.897+/-0.024 χ^2/NDF : 5961165.7/38

133.612+/-0.023 χ^2/NDF : 6952927.8/38

asym_bcm_dg_us_mean vs slug



Right In: 45.739 $\pm$ 52.604 χ^2/NDF : 3.4/17

Left Out: 35.321 $\pm$ 45.703 χ^2/NDF : 9.1/20

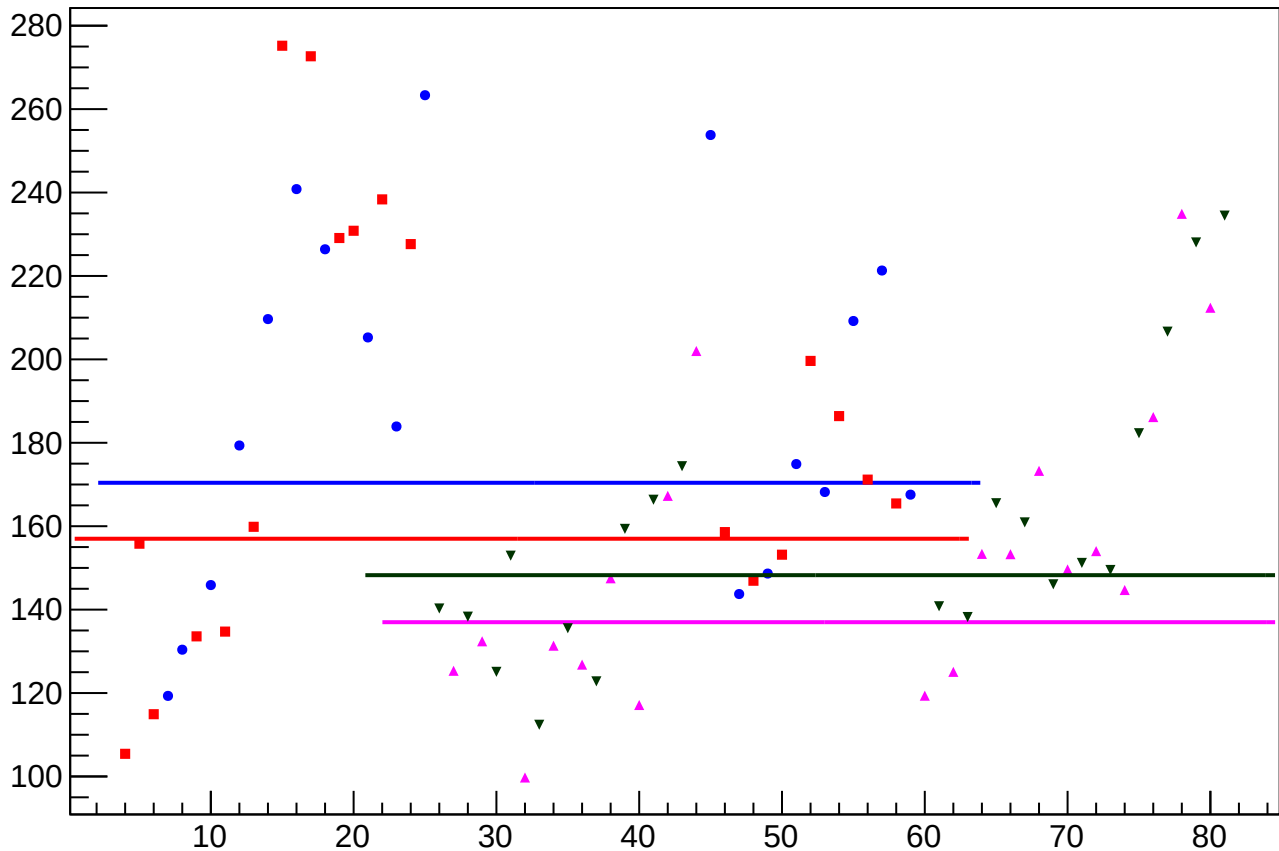
Right Out: 87.434 $\pm$ 51.940 χ^2/NDF : 4.9/18

Left In: -45.687 $\pm$ 41.995 χ^2/NDF : 2.6/19

39.802 $\pm$ 34.501 χ^2/NDF : 12.6/38

6.935 $\pm$ 32.656 χ^2/NDF : 11.4/38

asym_bcm_dg_us_rms vs slug



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

Left Out: 148.262 $\pm$ 0.032 χ^2 /NDF: 648778.0/20

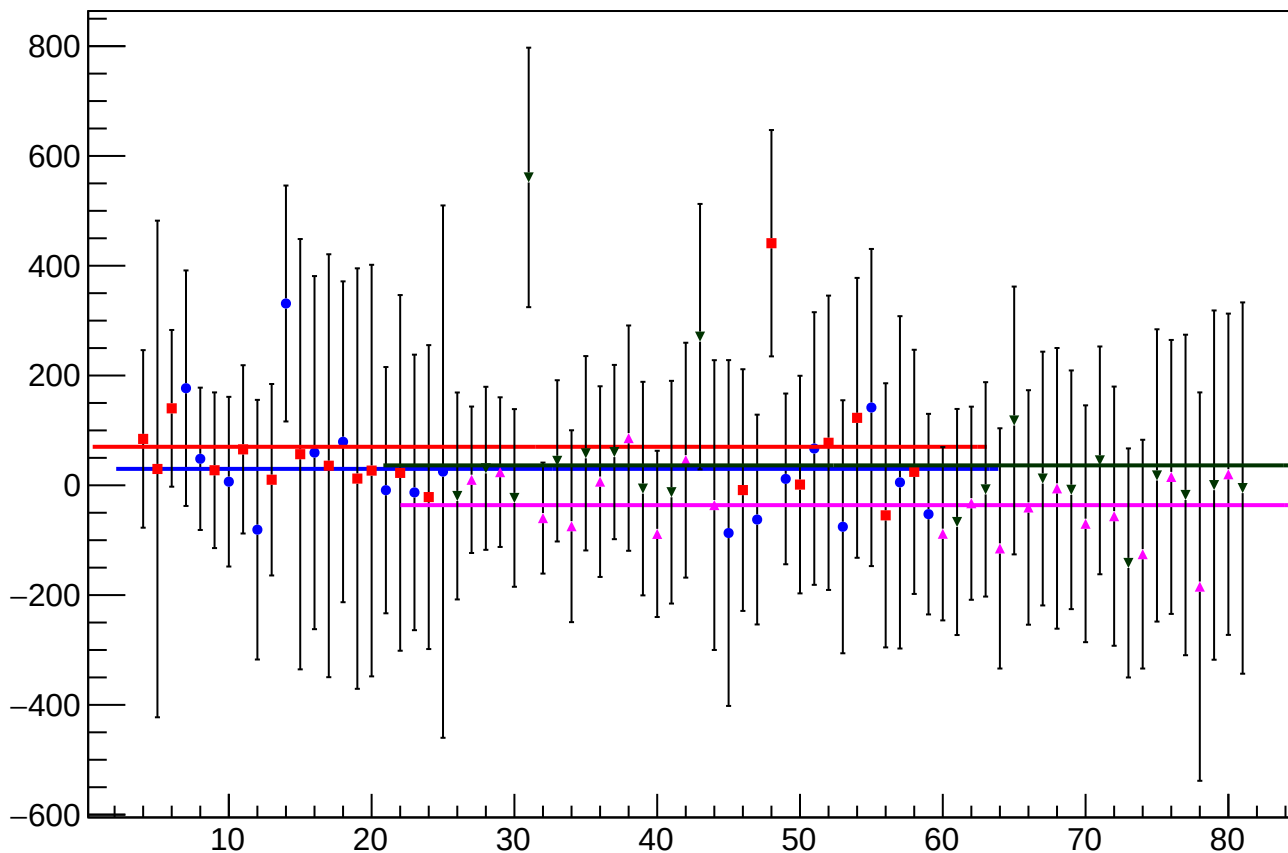
157.790 $\pm$ 0.024 χ^2 /NDF: 1815518.0/38

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

144.897 $\pm$ 0.023 χ^2 /NDF: 2387782.3/38

Left In: 136.987 $\pm$ 0.030 χ^2 /NDF: 931833.9/19

asym_bcm_dg_ds_mean vs slug



Right In: 29.919+/-50.591 χ^2/NDF : 3.8/17

Left Out: 36.298+/-44.173 χ^2/NDF : 7.5/20

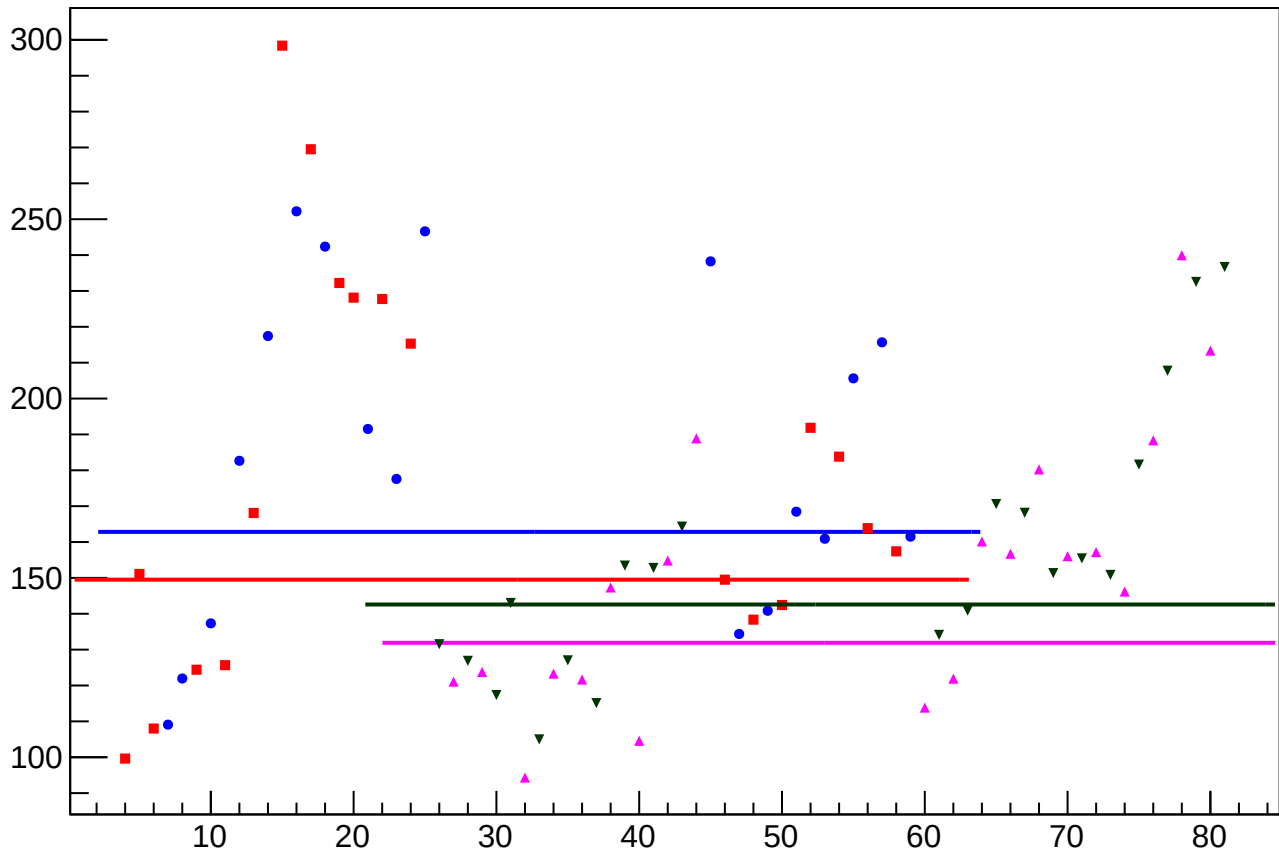
Right Out: 70.155+/-49.782 χ^2/NDF : 4.5/18

Left In: -36.149+/-40.622 χ^2/NDF : 1.8/19

33.539+/-33.274 χ^2/NDF : 11.3/38

6.341+/-31.473 χ^2/NDF : 9.0/38

asym_bcm_dg_ds_rms vs slug



Right In: 162.833 ± 0.036 χ^2/NDF : 1229021.5/17

Left Out: 142.583 ± 0.031 χ^2/NDF : 837638.7/20

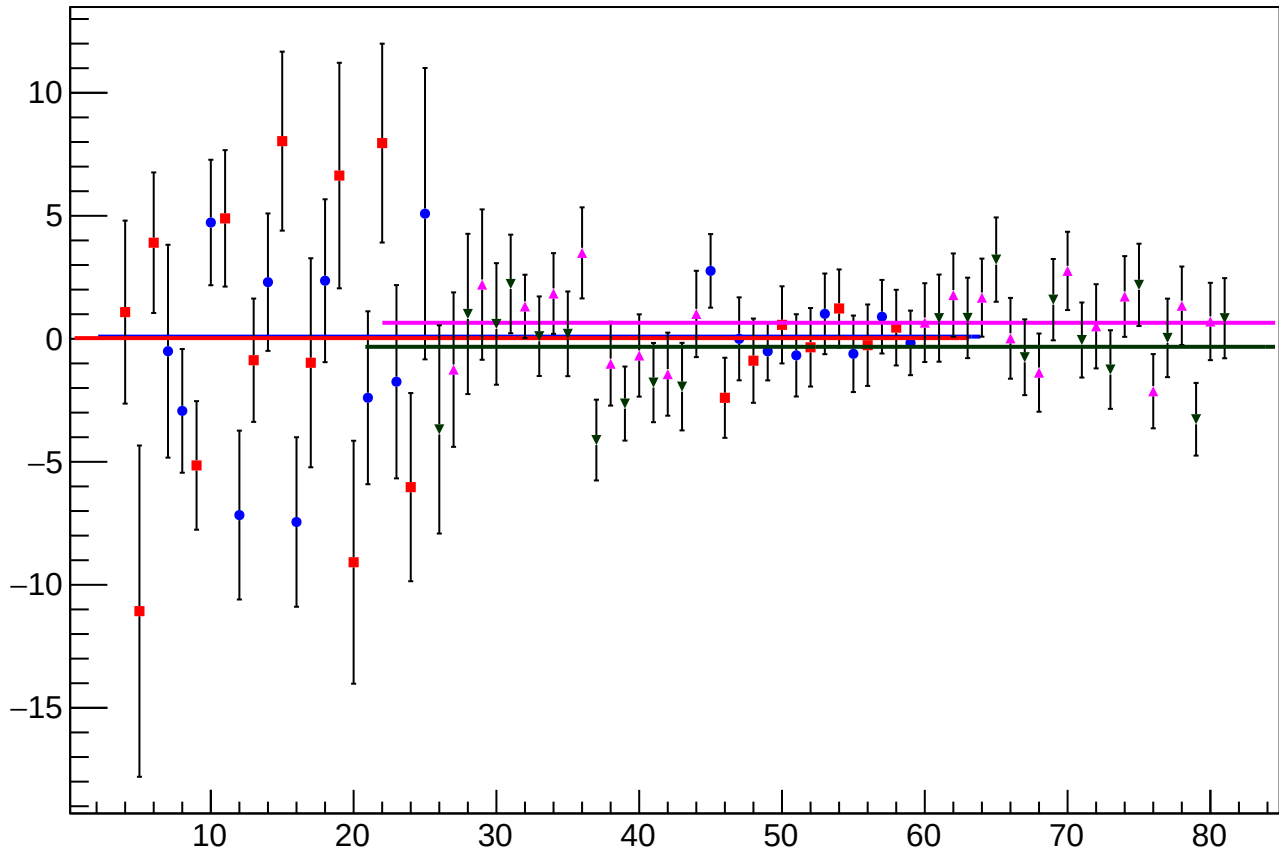
151.343 ± 0.024 χ^2/NDF : 2248472.1/38

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

138.940 ± 0.022 χ^2/NDF : 2807410.3/38

Left In: 131.904 ± 0.029 χ^2/NDF : 1166603.9/19

asym_cav4bQ_mean vs slug



Right In: 0.089+/-0.466 χ^2/NDF : 21.1/17

Left Out: -0.325+/-0.377 χ^2/NDF : 25.9/20

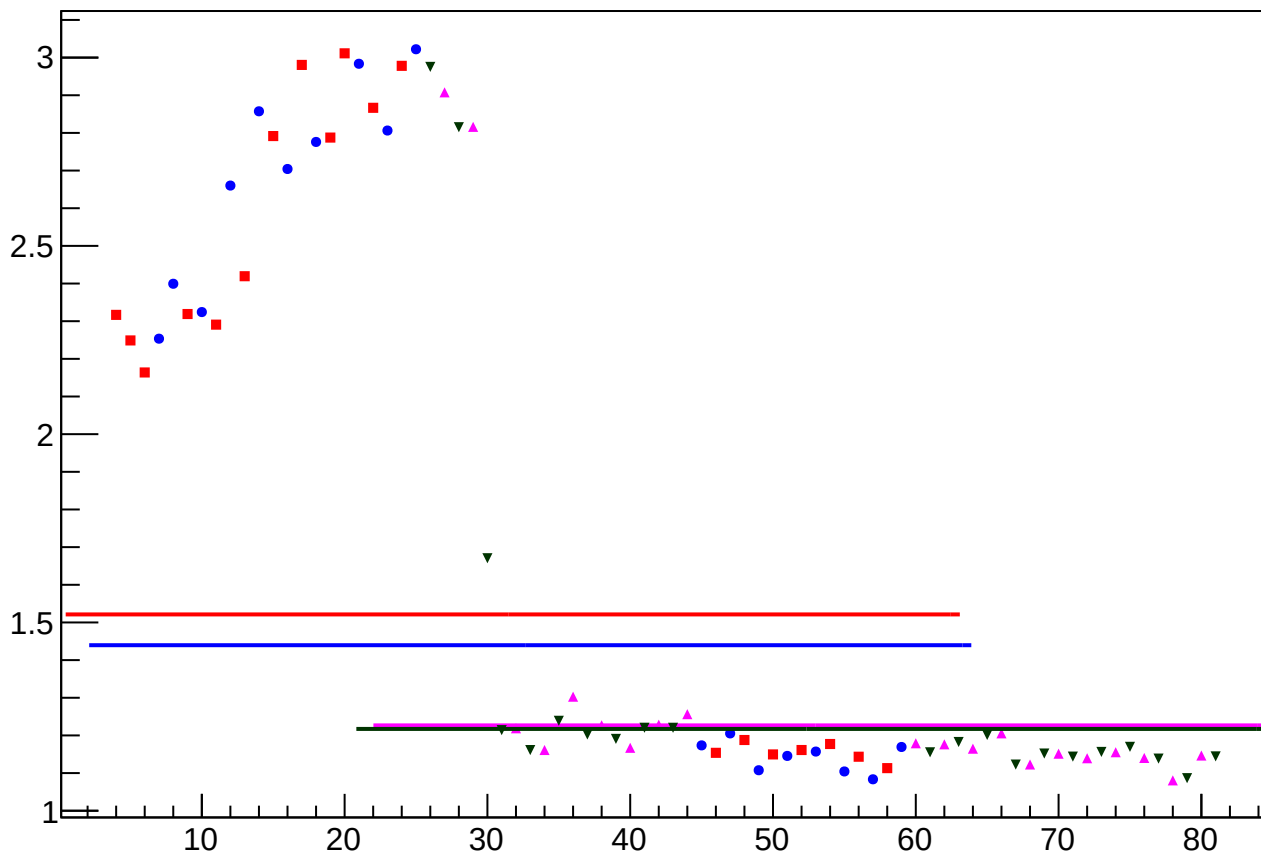
Right Out: 0.028+/-0.520 χ^2/NDF : 31.9/18

Left In: 0.652+/-0.375 χ^2/NDF : 15.3/19

-0.161+/-0.293 χ^2/NDF : 47.4/38

0.438+/-0.304 χ^2/NDF : 48.2/38

asym_cav4bQ_rms vs slug



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

Left Out: 1.217 $\pm$ 0.000 χ^2 /NDF: 945059.6/20

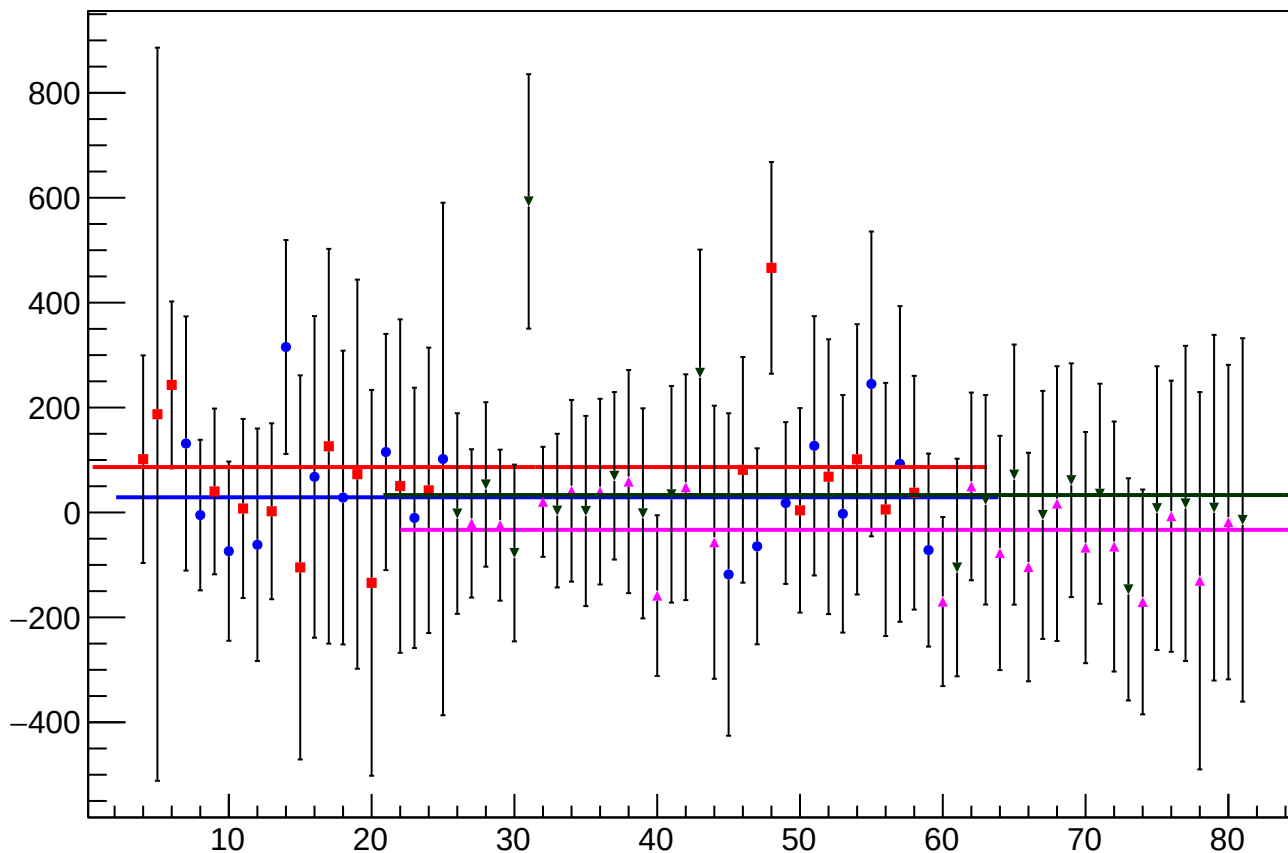
Right Out: 1.521 $\pm$ 0.000 χ^2 /NDF: 2870549.2/18

Left In: 1.227 $\pm$ 0.000 χ^2 /NDF: 1181371.3/19

1.305 $\pm$ 0.000 χ^2 /NDF: 4629668.9/38

1.328 $\pm$ 0.000 χ^2 /NDF: 4474697.3/38

asym_cav4cQ_mean vs slug



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

Left Out: 33.214+/-45.042 χ^2/NDF : 8.2/20

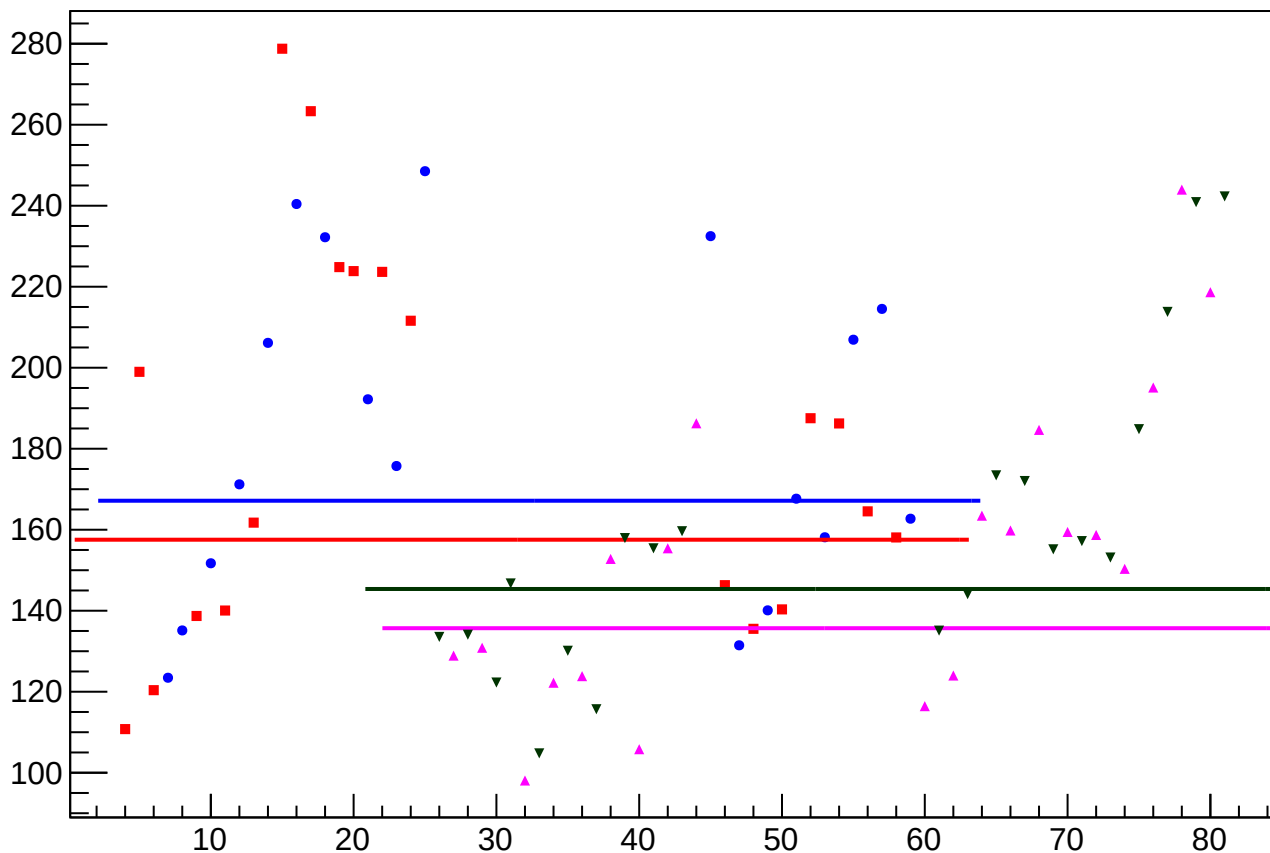
Right Out: 86.558+/-52.059 χ^2/NDF : 6.1/18

Left In: -33.091+/-41.717 χ^2/NDF : 3.3/19

31.356+/-33.898 χ^2/NDF : 12.7/38

13.697+/-32.554 χ^2/NDF : 12.6/38

asym_cav4cQ_rms vs slug



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

Left Out: 145.368+/-0.032 χ^2/NDF :852431.2/20

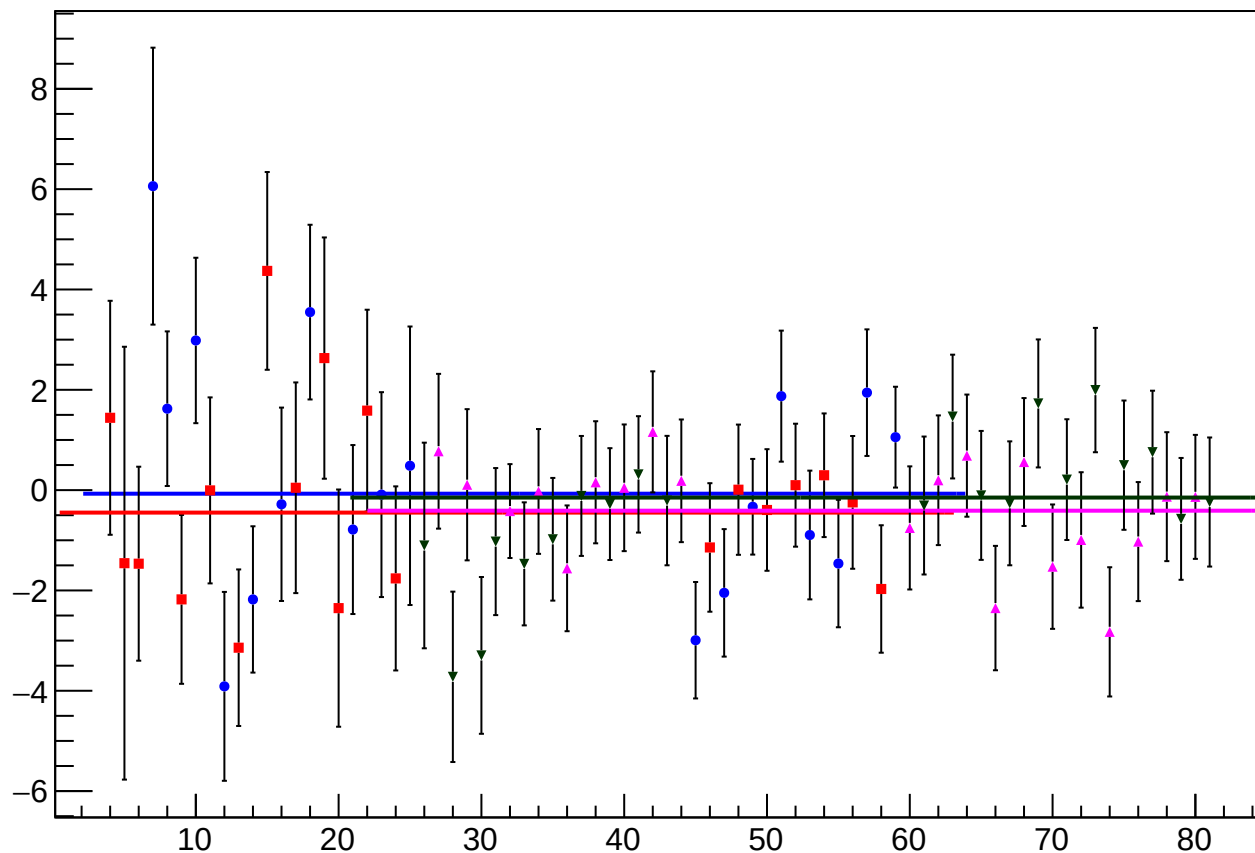
Right Out: 157.534+/-0.037 χ^2/NDF : 1049684.2/18

Left In: 135.684+/-0.029 χ^2/NDF :1119929.3/19

154.817+/-0.024 χ^2/NDF : 1931213.3/38

144.228+/-0.023 χ^2/NDF : 2384172.3/38

asym_cav4dQ_mean vs slug



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

Left Out: -0.148 ± 0.282 χ^2/NDF : 18.8/20

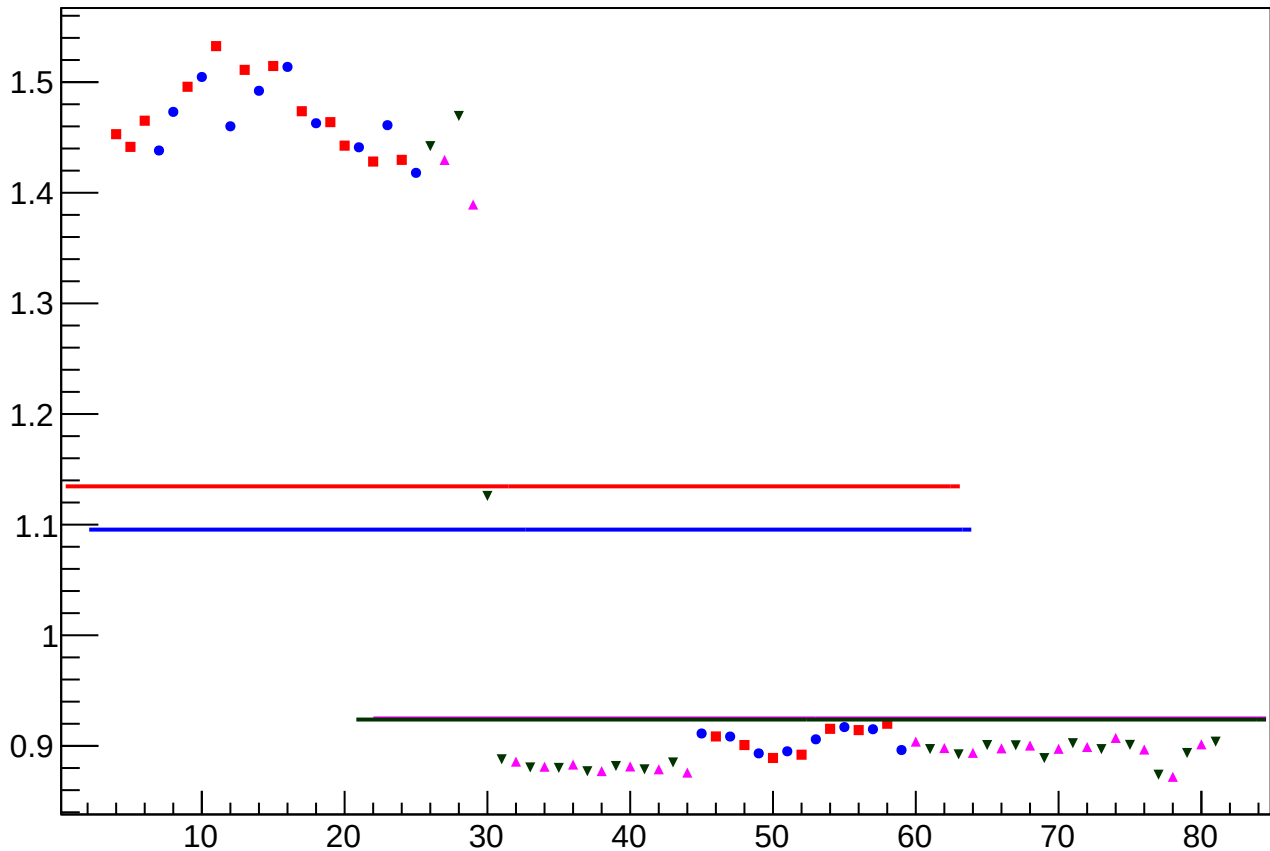
Right Out: -0.448 ± 0.369 χ^2/NDF : 17.4/18

Left In: -0.410 ± 0.278 χ^2/NDF : 12.9/19

-0.116 ± 0.216 χ^2/NDF : 55.6/38

-0.424 ± 0.222 χ^2/NDF : 30.3/38

asym_cav4dQ_rms vs slug



Right In: 1.096+/-0.000 χ^2/NDF : 1288766.9/17

Left Out: 0.924+/-0.000 χ^2/NDF : 396834.0/20

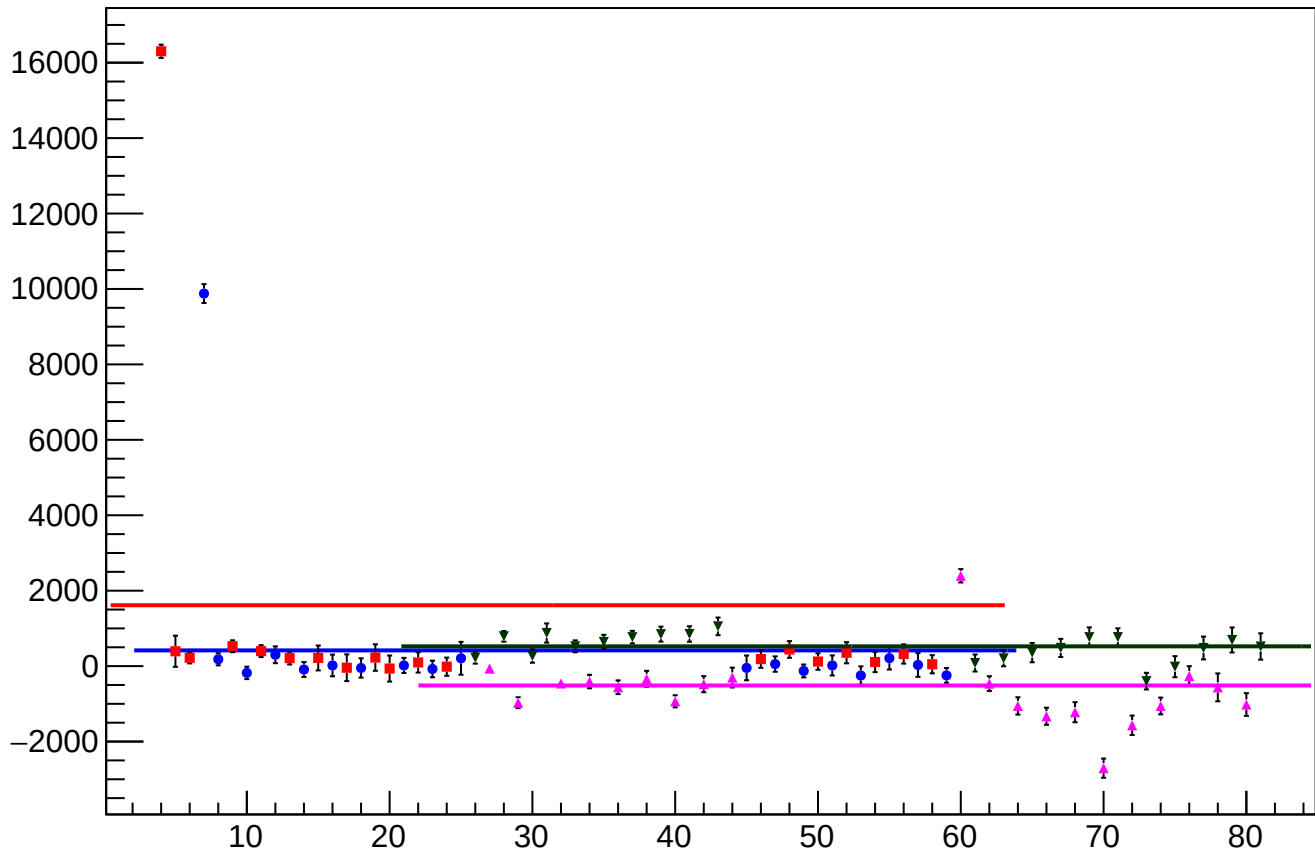
0.995+/-0.000 χ^2/NDF : 1992710.1/38

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

1.001+/-0.000 χ^2/NDF : 2009145.0/38

Left In: 0.925+/-0.000 χ^2/NDF : 435511.6/19

asym_bcm0l02_mean vs slug



Right In: 417.186+/-52.636 χ^2/NDF : 1507.9/17

Left Out: 524.311+/-45.739 χ^2/NDF : 54.1/20

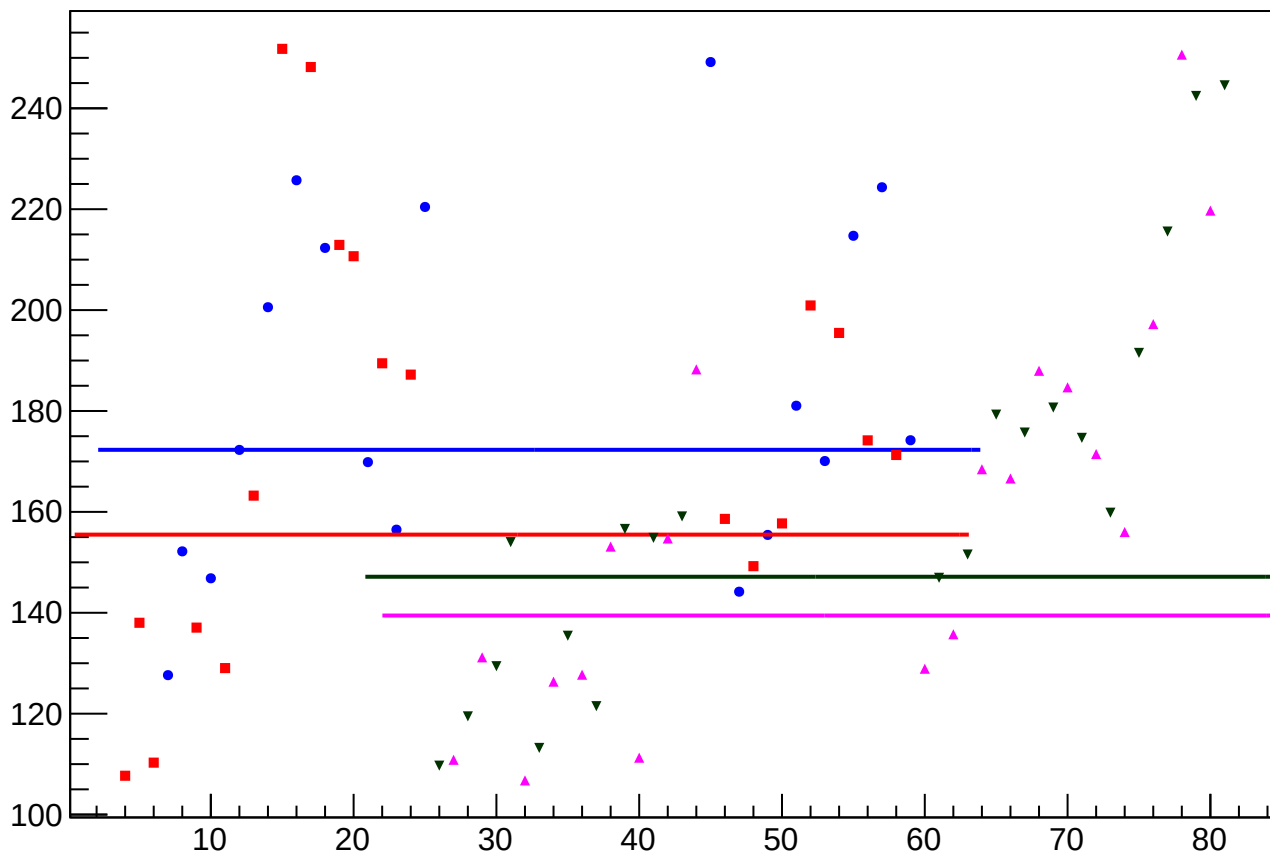
478.222+/-34.525 χ^2/NDF : 1564.4/38

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

363.727+/-32.829 χ^2/NDF : 9108.1/38

Left In: -513.107+/-42.817 χ^2/NDF : 425.2/19

asym_bcm0l02_rms vs slug



Right In: 172.303+/-0.037 χ^2/NDF : 600813.3/17

Left Out: 147.142+/-0.032 χ^2/NDF :972487.9/20

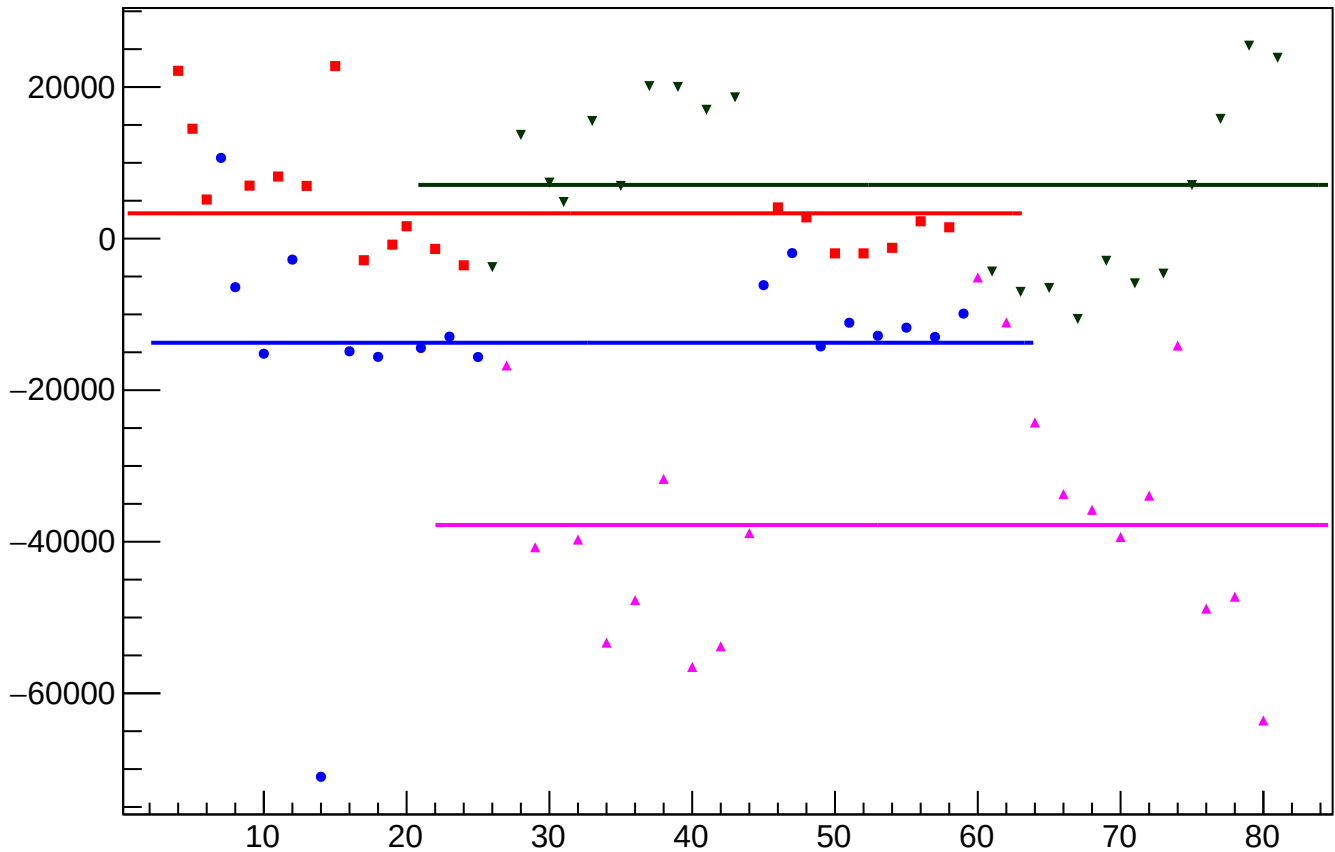
157.968+/-0.024 χ^2/NDF : 1833688.3/38

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

146.064+/-0.023 χ^2/NDF : 2244746.6/38

Left In: 139.453+/-0.030 χ^2/NDF :1110322.4/19

asym_bpm2i01WS_mean vs slug



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

Left Out: 7086.382+/-28.817 χ^2/NDF : 164424.2/20

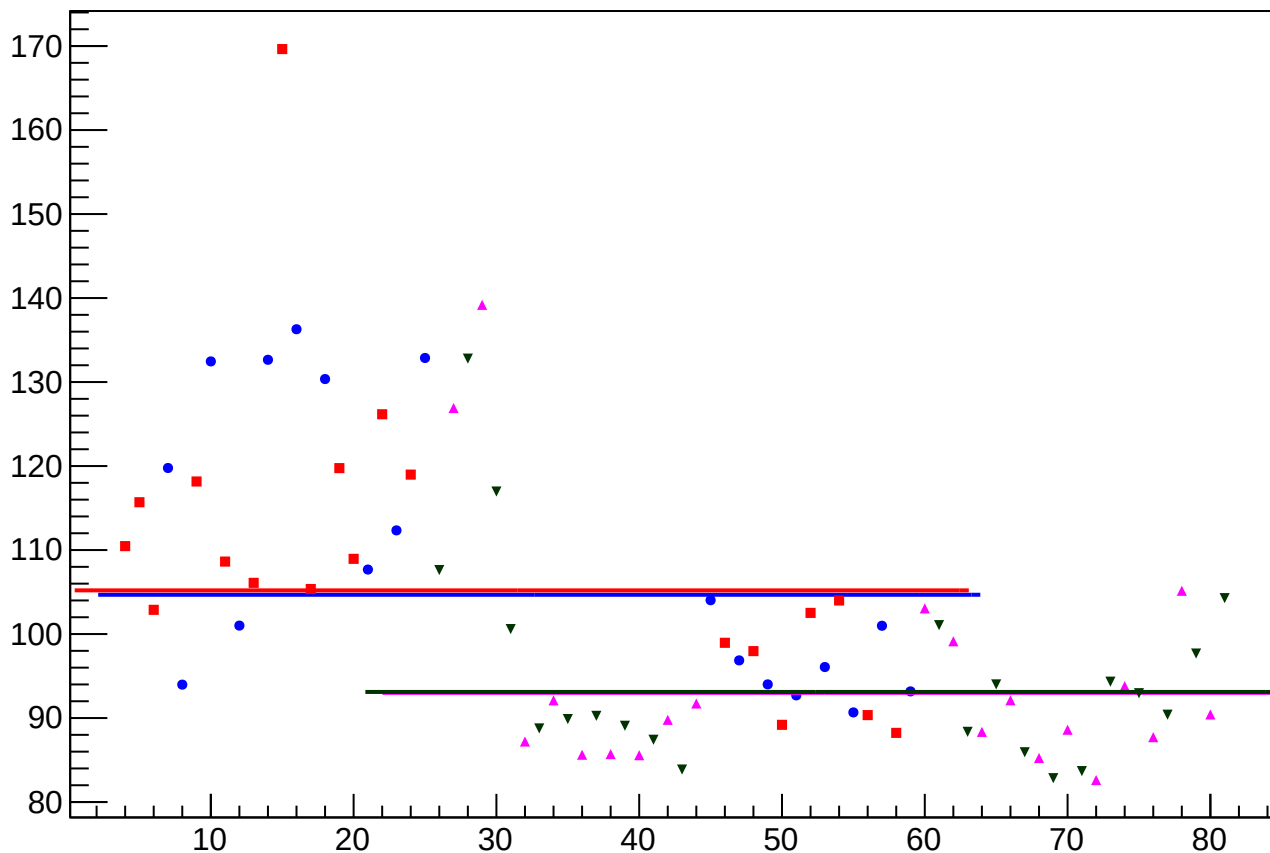
-2223.614+/-21.430 χ^2/NDF : 620114.7/38

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

-21038.858+/-21.865 χ^2/NDF : 1156287.9/38

Left In: -37795.574+/-28.402 χ^2/NDF : 270473.7/19

asym_bpm2i01WS_rms vs slug



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

Left Out: 93.107 $\pm$ 0.020 χ^2 /NDF:264725.4/20

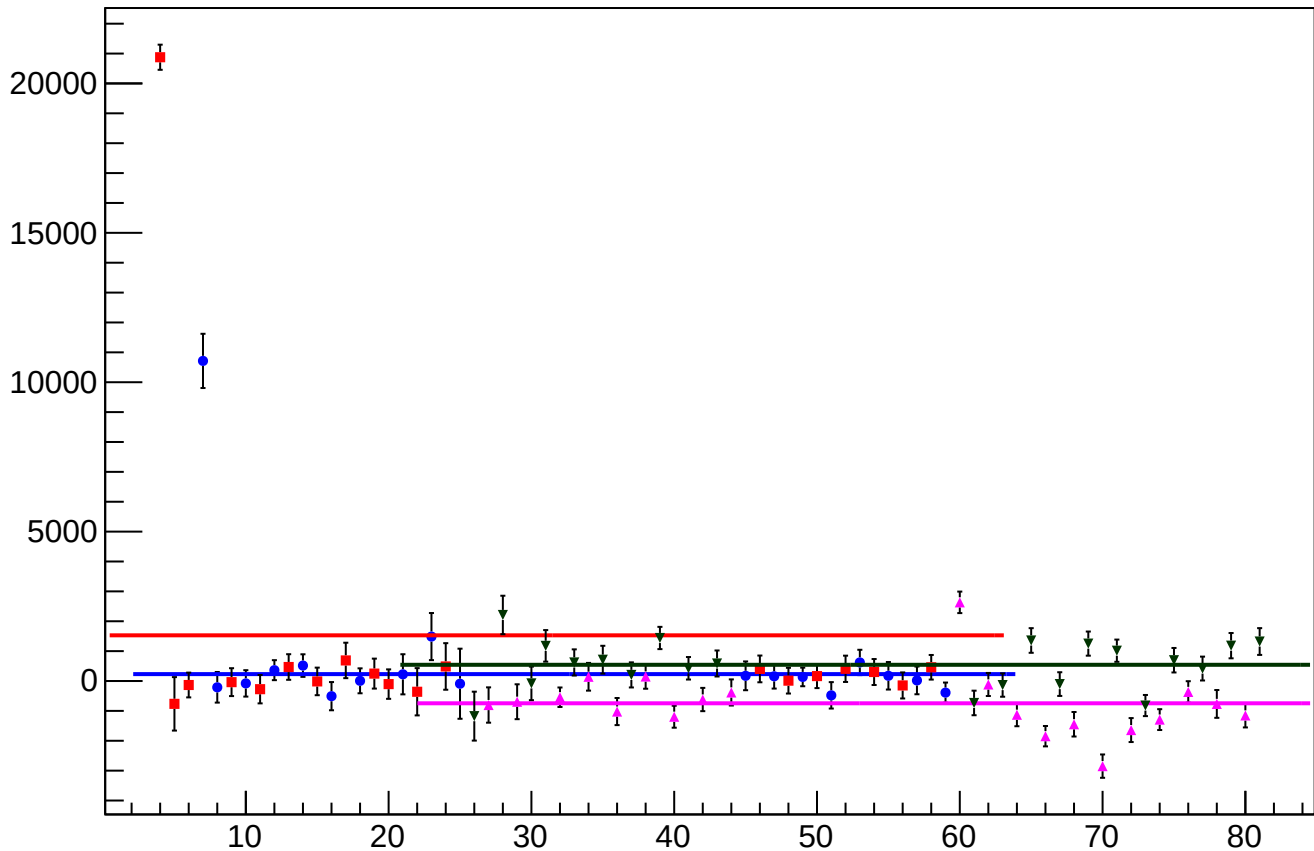
Right Out: 105.200 $\pm$ 0.024 χ^2 /NDF: 336723.5/18

Left In: 92.998 $\pm$ 0.020 χ^2 /NDF:376565.1/19

98.279 $\pm$ 0.015 χ^2 /NDF: 840581.6/38

97.969 $\pm$ 0.015 χ^2 /NDF: 863664.9/38

asym_bpm0i07WS_mean vs slug



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

Left Out: 542.775 $\pm$ 93.439 χ^2 /NDF:64.8/20

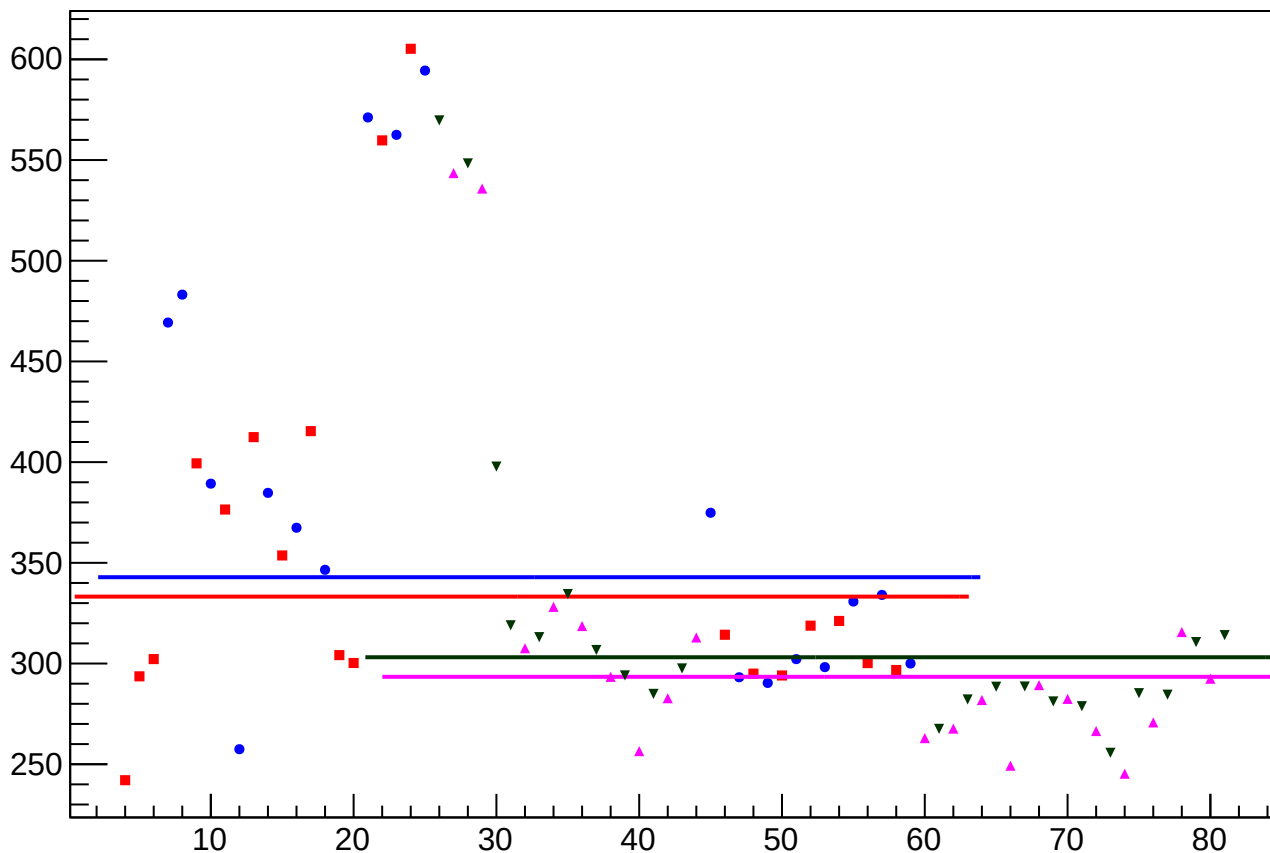
405.319 $\pm$ 69.871 χ^2 /NDF: 217.7/38

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

169.168 $\pm$ 69.092 χ^2 /NDF: 2689.9/38

Left In: -745.667 $\pm$ 89.360 χ^2 /NDF:155.3/19

asym_bpm0i07WS_rms vs slug



Right In: 342.865 $\pm$ 0.074 χ^2 /NDF: 1018623.1/17

Left Out: 303.116 $\pm$ 0.066 χ^2 /NDF:663515.4/20

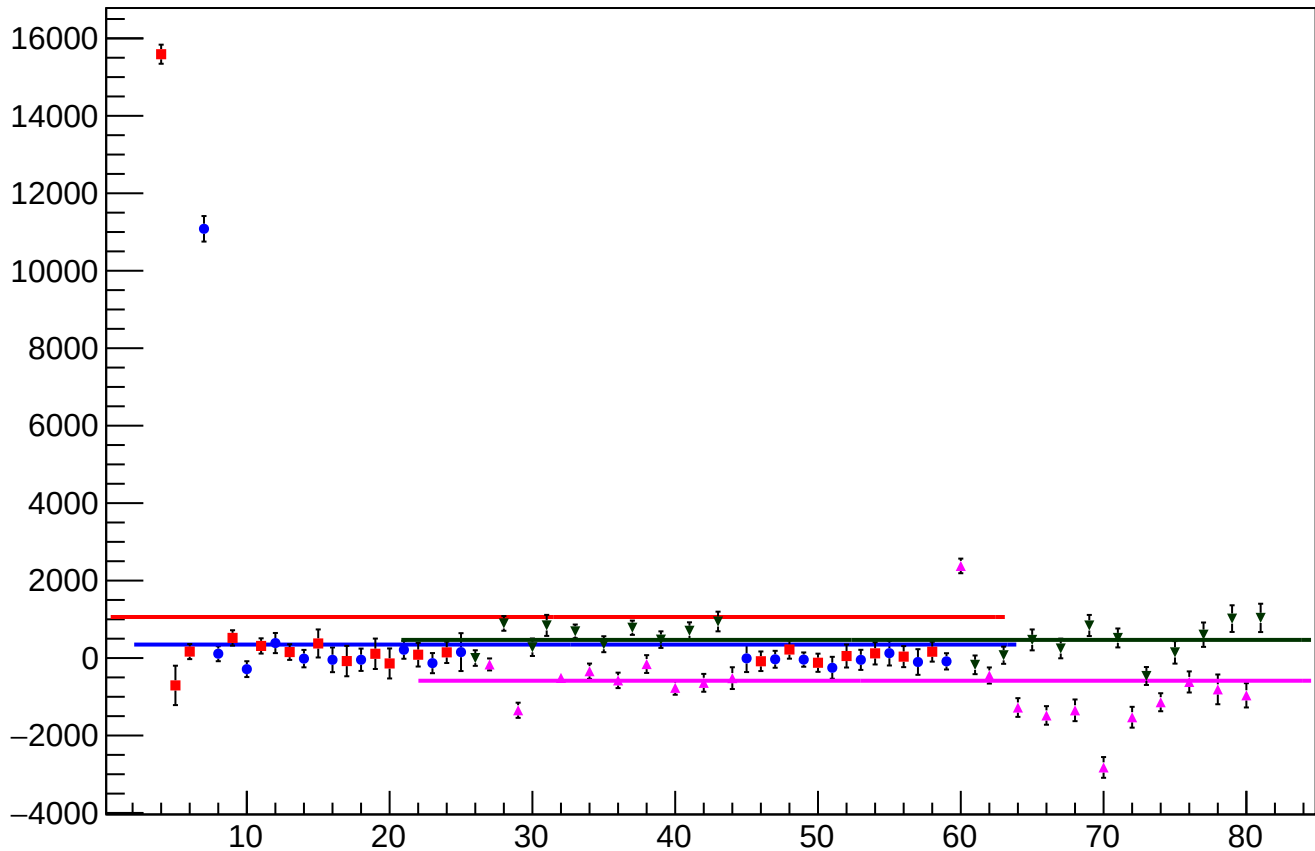
Right Out: 333.230 $\pm$ 0.077 χ^2 /NDF: 768934.3/18

Left In: 293.404 $\pm$ 0.063 χ^2 /NDF:869607.7/19

320.639 $\pm$ 0.049 χ^2 /NDF: 1841690.5/38

309.421 $\pm$ 0.049 χ^2 /NDF: 1798311.5/38

asym_bpm0l01WS_mean vs slug



Right In: 348.196+/-59.644 χ^2 /NDF: 1103.2/17

Left Out: 468.702+/-51.118 χ^2 /NDF:58.0/20

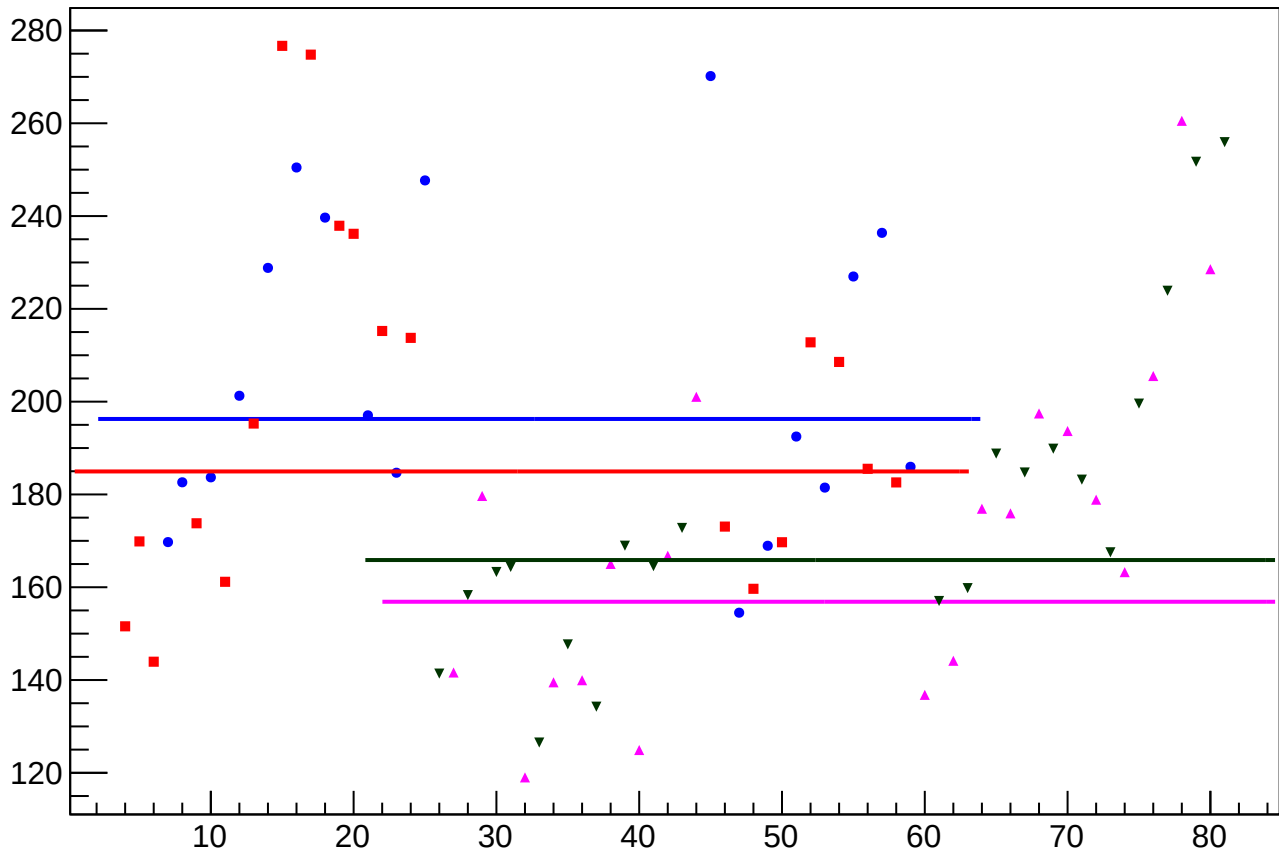
417.671+/-38.813 χ^2 /NDF: 1163.6/38

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

52.977+/-37.399 χ^2 /NDF: 4563.7/38

Left In: -585.661+/-47.810 χ^2 /NDF:395.2/19

asym_bpm0l01WS_rms vs slug



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

Left Out: 165.862 ± 0.036 $\chi^2/\text{NDF}: 604473.3/20$

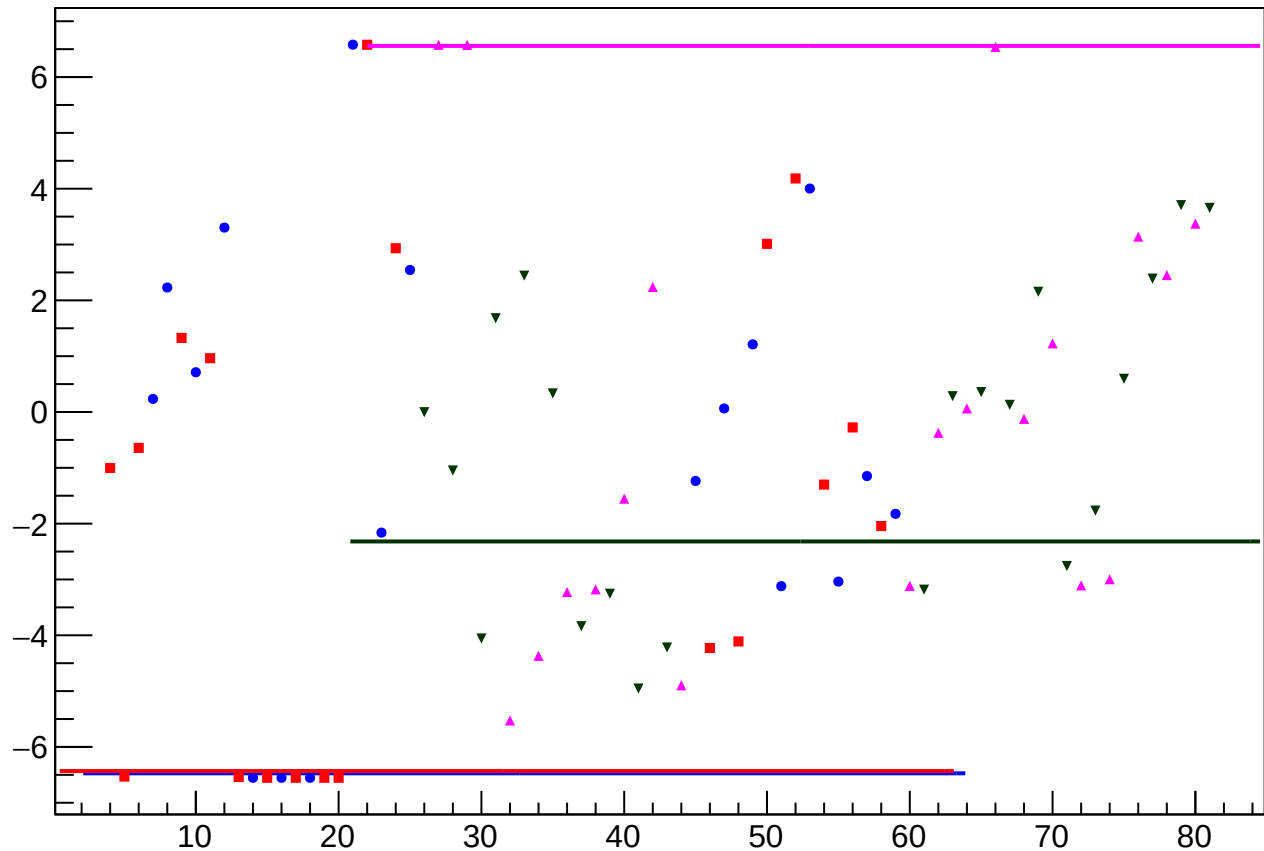
Right Out: 184.956 ± 0.042 $\chi^2/\text{NDF}: 580645.4/18$

Left In: 156.872 ± 0.034 $\chi^2/\text{NDF}: 839123.9/19$

178.739 ± 0.027 $\chi^2/\text{NDF}: 1370262.1/38$

167.771 ± 0.026 $\chi^2/\text{NDF}: 1687598.9/38$

yield_cav4bX_mean vs slug



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

Left Out: -2.319+/-0.000 χ^2/NDF : 32200816.9/20

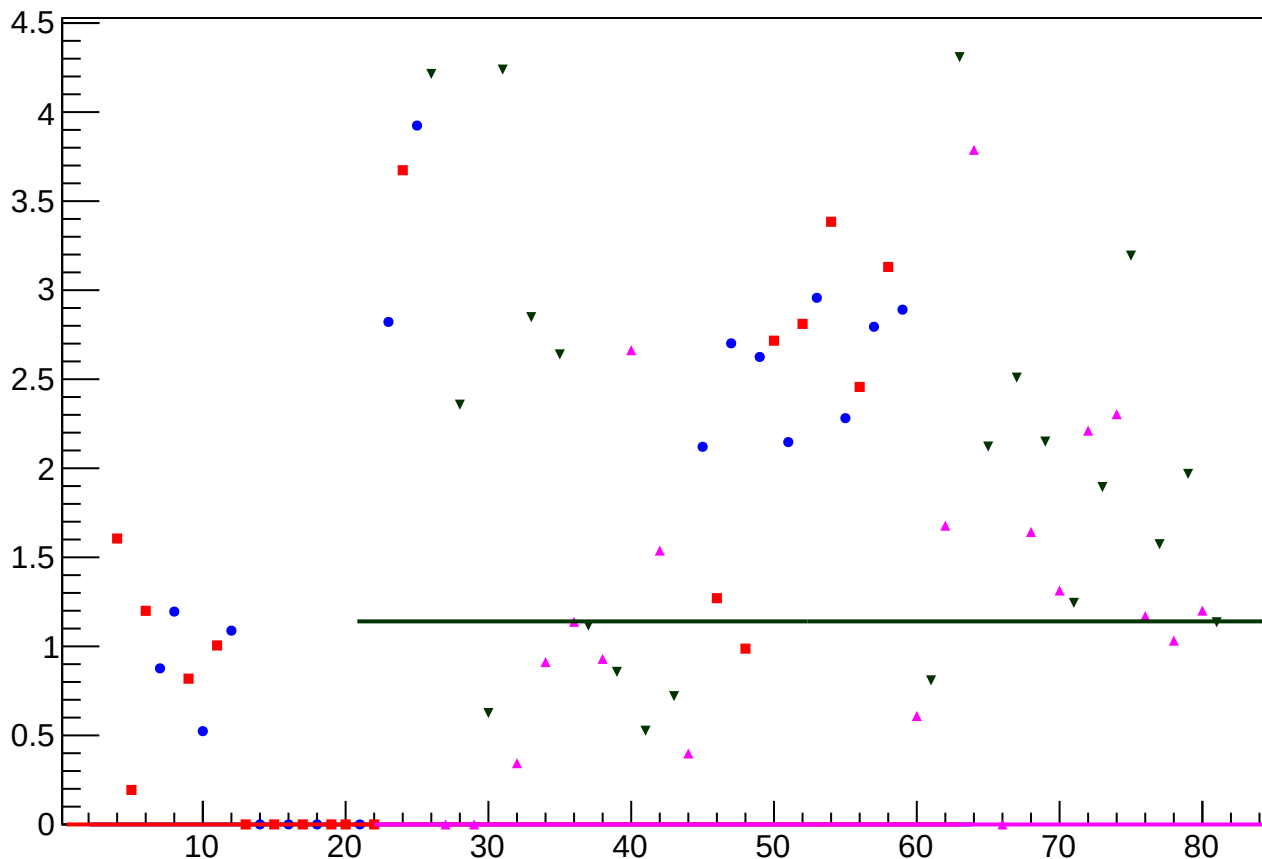
Right Out: -6.432+/-0.000 χ^2/NDF : 150837619676093.8/18

Left In: 6.558+/-0.000 χ^2/NDF : 1586507052.4/19

-6.473+/-0.000 χ^2/NDF : 127848055202202.6/3

-6.196+/-0.000 χ^2/NDF : 446402756434177.0/3

yield_cav4bX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 11913804.6/17

Left Out: 1.140+/-0.000 χ^2/NDF : 4736451.8/20

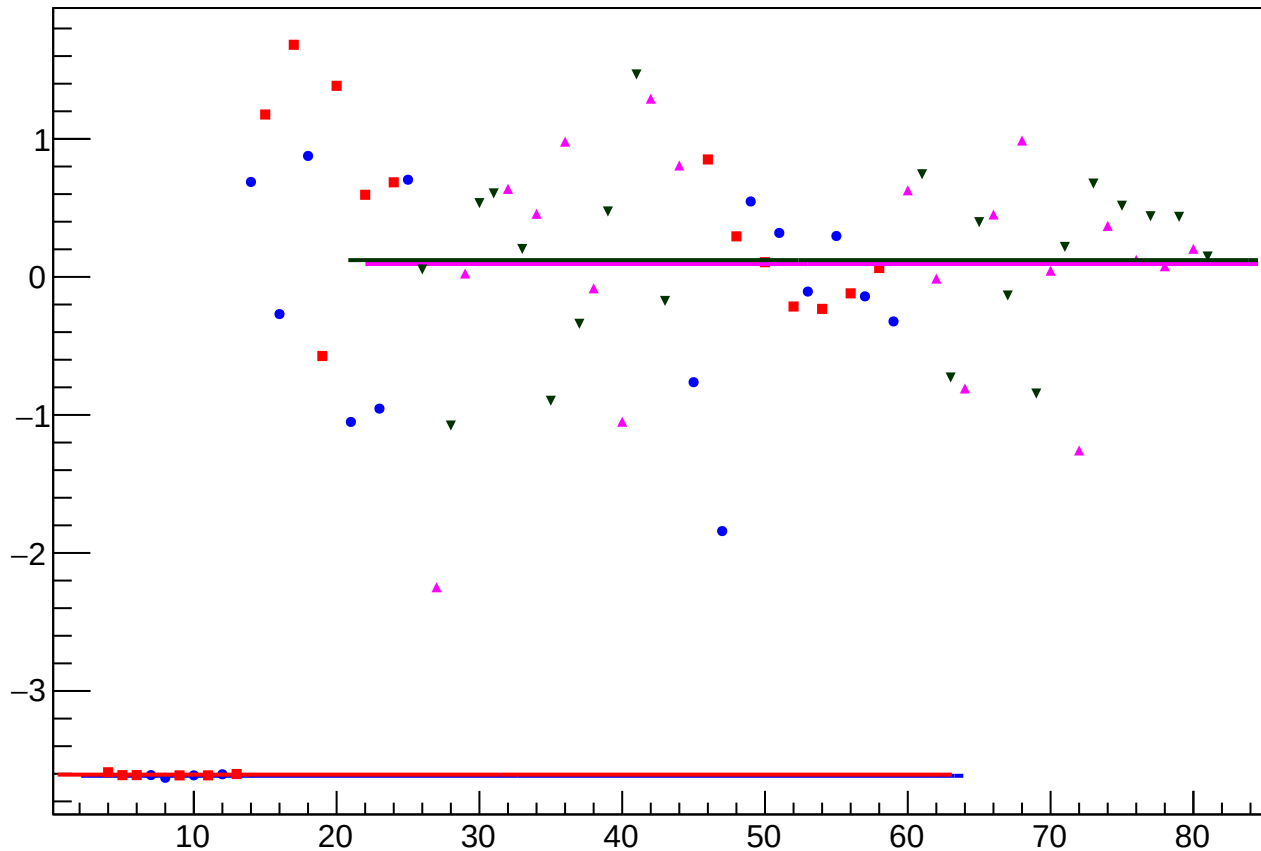
Right Out: 0.000+/-0.000 χ^2/NDF : 9626570.5/18

Left In: 0.000+/-0.000 χ^2/NDF : 12340226.6/19

0.000+/-0.000 χ^2/NDF : 27752813.9/38

0.000+/-0.000 χ^2/NDF : 21966881.5/38

yield_cav4bY_mean vs slug



Right In: -3.614+/-0.000 χ^2/NDF : 49086055221.8/17

Left Out: 0.122+/-0.000 χ^2/NDF :10768261.7/20

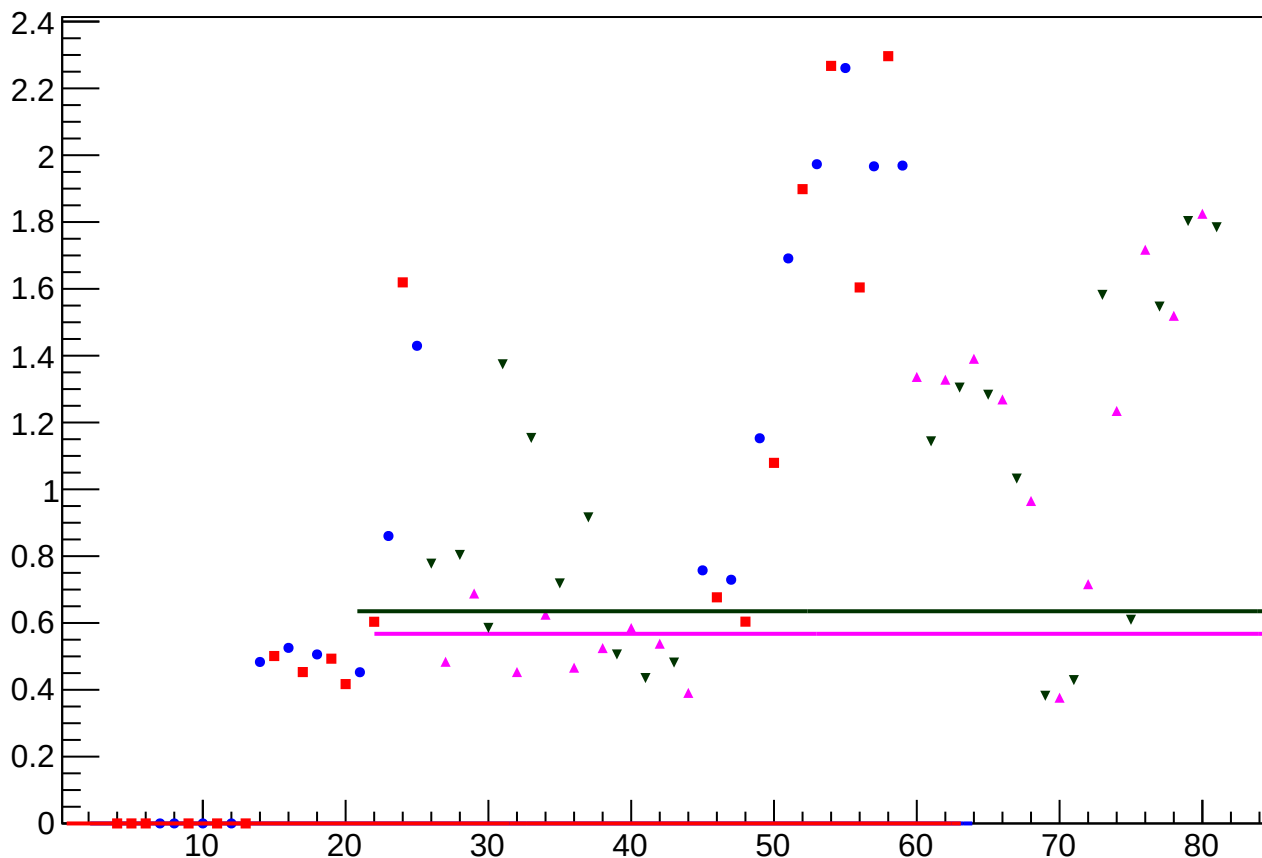
-3.614+/-0.000 χ^2/NDF : 49339436104.0/38

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

-3.606+/-0.000 χ^2/NDF : 38120078718.9/38

Left In: 0.094+/-0.000 χ^2/NDF :21865308.2/19

yield_cav4bY_rms vs slug



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

Left Out: 0.635+/-0.000 χ^2/NDF :3607173.9/20

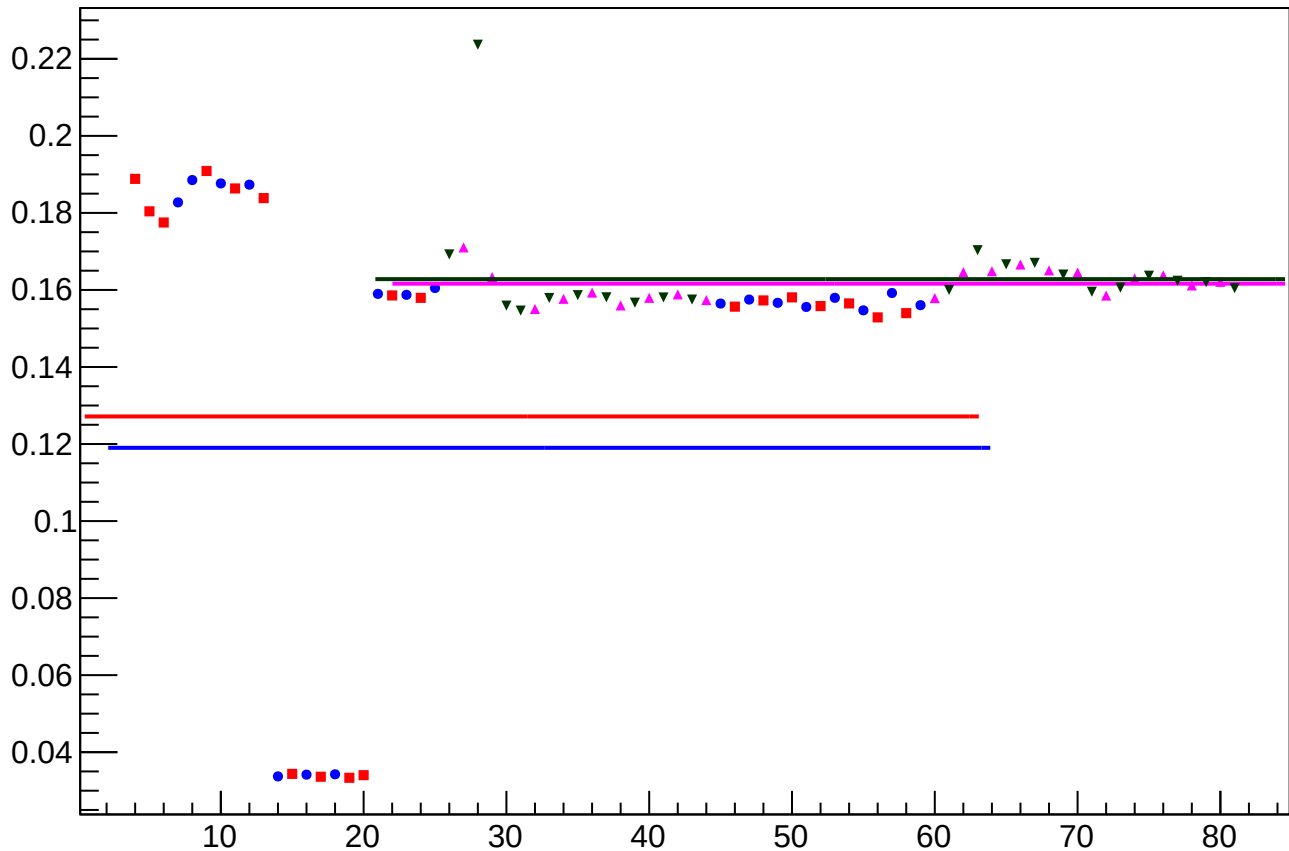
Right Out: 0.000+/-0.000 χ^2/NDF : 10531530.4/18

Left In: 0.568+/-0.000 χ^2/NDF :3651246.3/19

0.000+/-0.000 χ^2/NDF : 31405855.1/38

0.000+/-0.000 χ^2/NDF : 28557045.6/38

yield_cav4cX_mean vs slug



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

Left Out: 0.163 $\pm$ 0.000 χ^2/NDF : 103062725.7/20

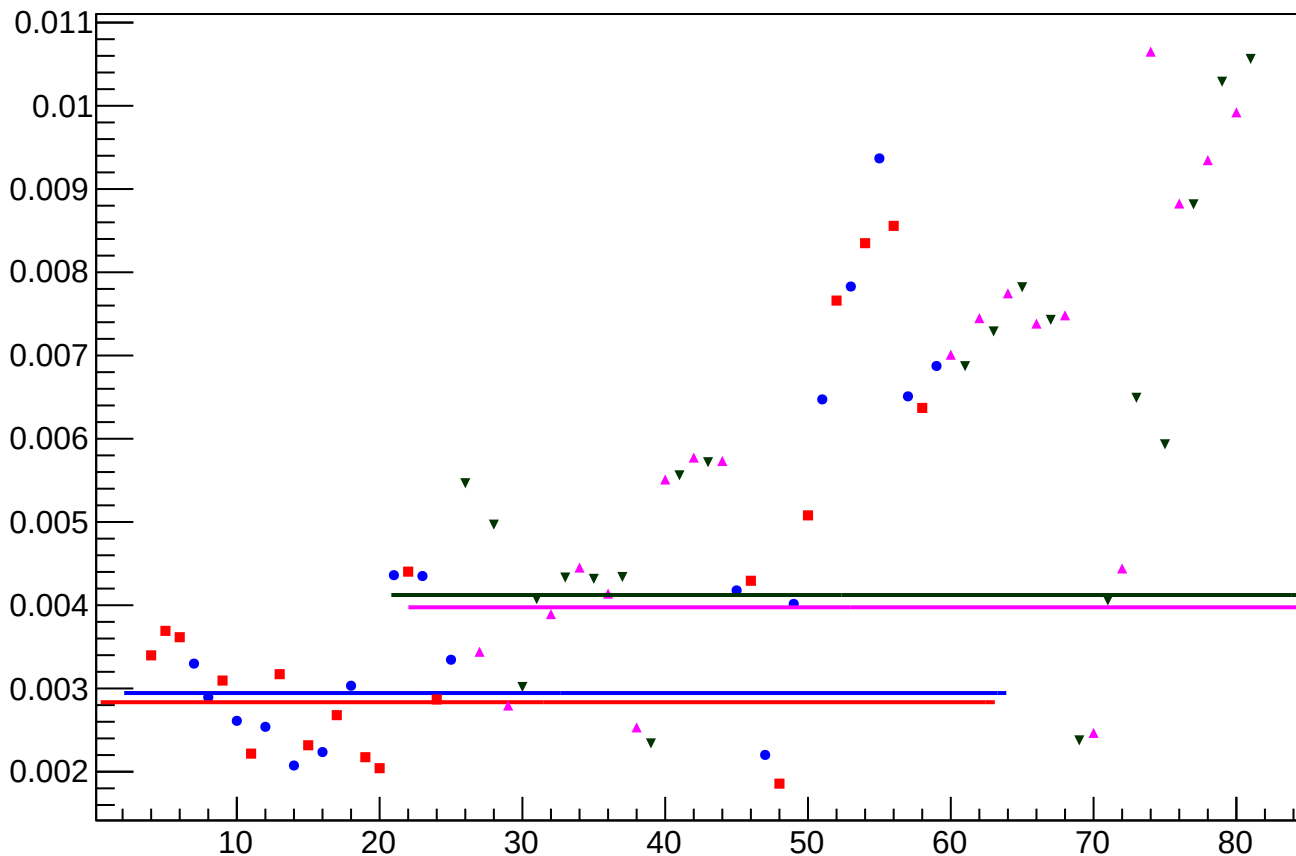
0.133 $\pm$ 0.000 χ^2/NDF : 5738793717.4/38

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

0.139 $\pm$ 0.000 χ^2/NDF : 4865336721.6/38

Left In: 0.162 $\pm$ 0.000 χ^2/NDF : 13460080.8/19

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 :3439832.8/20

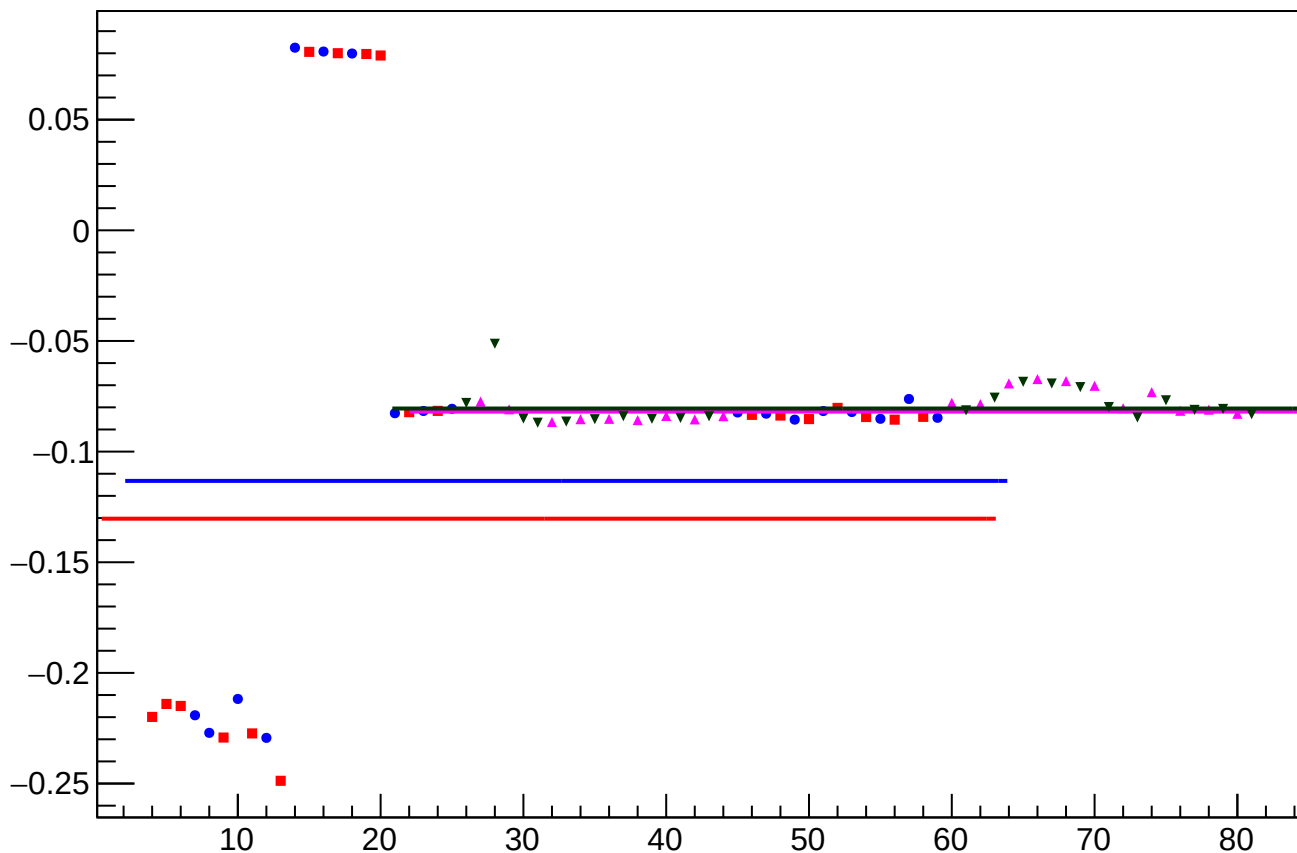
Right Out: 0.003+/-0.000 χ^2/NDF : 2697291.9/18

Left In: 0.004+/-0.000 χ^2/NDF :3666190.3/19

0.003+/-0.000 χ^2/NDF : 7381629.8/38

0.003+/-0.000 χ^2/NDF : 7293664.8/38

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 : 42003692.7/20

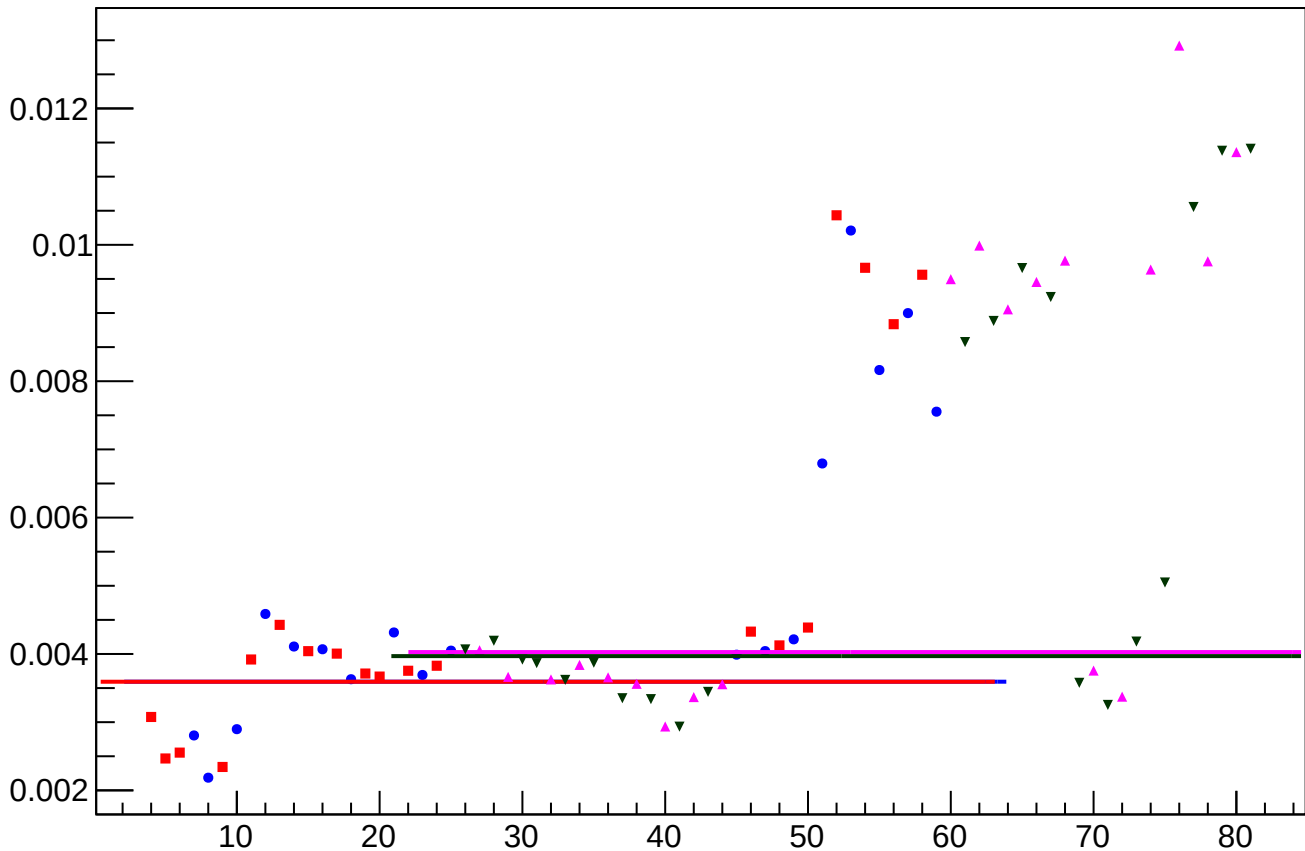
Right Out: -0.130 ± 0.000 χ^2/NDF : 8867144829.5/18

Left In: -0.082 ± 0.000 χ^2/NDF : 13356048.3/19

-0.099 ± 0.000 χ^2/NDF : 10075082244.2/38

-0.108 ± 0.000 χ^2/NDF : 9563063670.6/38

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 :2617490.9/20

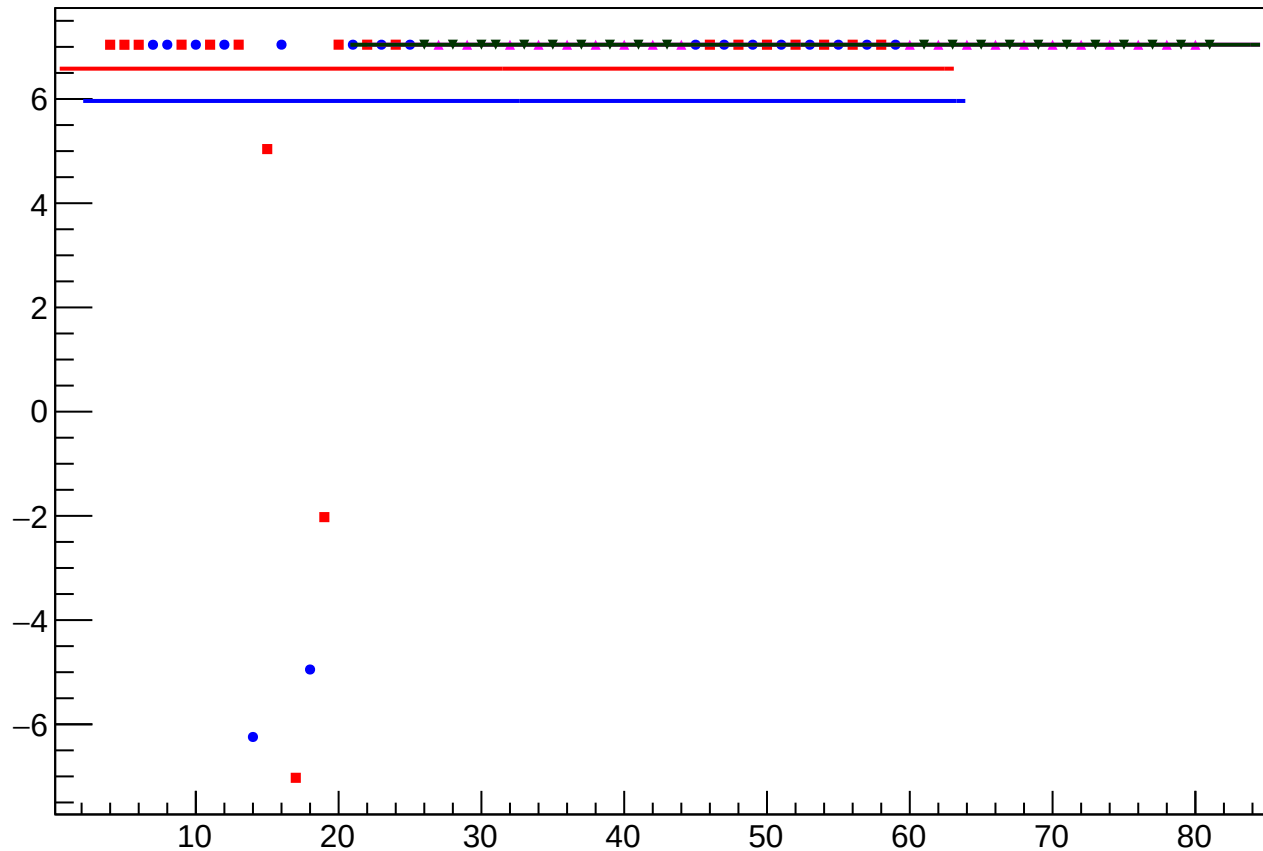
Right Out: 0.004+/-0.000 χ^2/NDF : 2225355.5/18

Left In: 0.004+/-0.000 χ^2/NDF :3109178.3/19

0.004+/-0.000 χ^2/NDF : 5342953.2/38

0.004+/-0.000 χ^2/NDF : 5444881.2/38

yield_cav4dX_mean vs slug



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

Left Out: 7.042 $\pm$ 0.000 χ^2 /NDF: 28108595.2/20

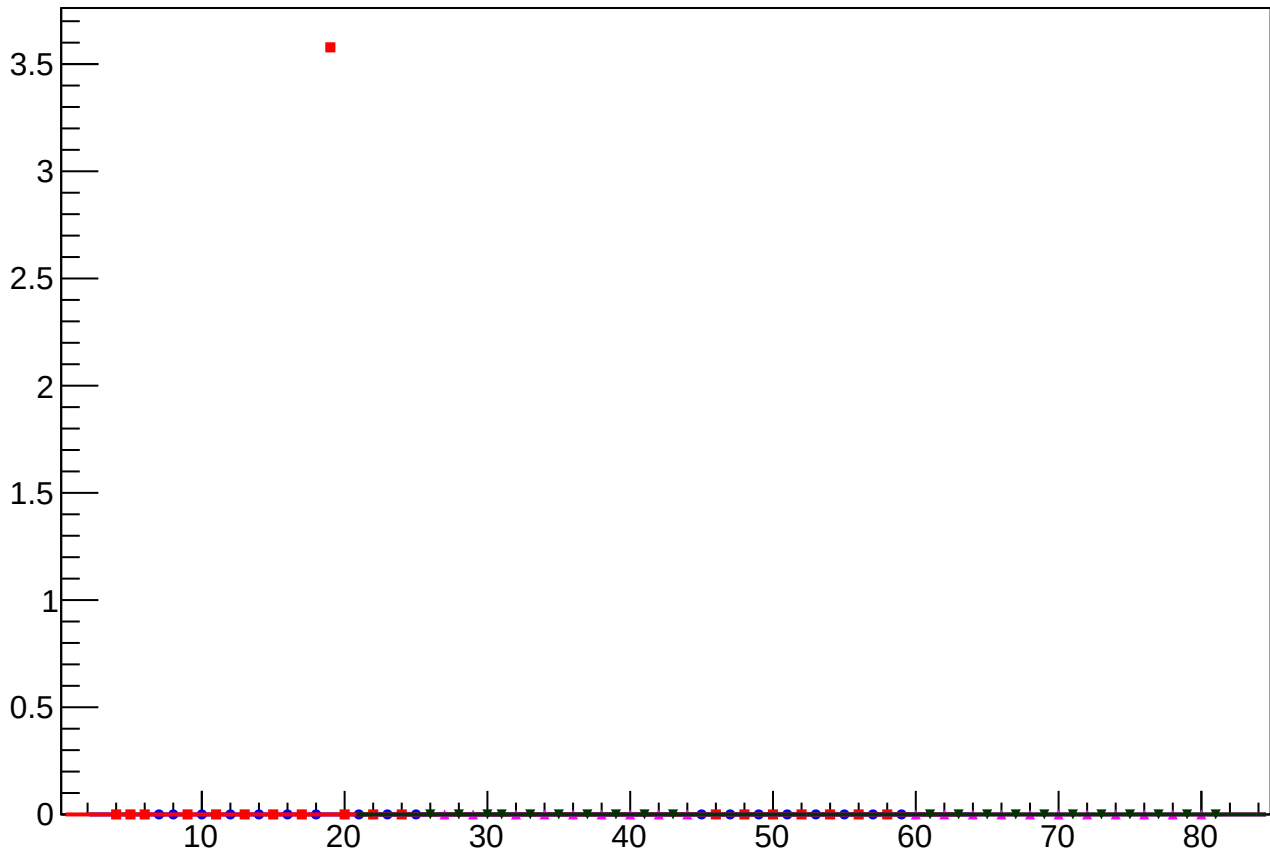
6.533 $\pm$ 0.000 χ^2 /NDF: 4836182199918409.0/3

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

6.848 $\pm$ 0.000 χ^2 /NDF: 1894276460305931.2/3

Left In: 7.042 $\pm$ 0.000 χ^2 /NDF: 24856128.8/19

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 : 4069.2/20

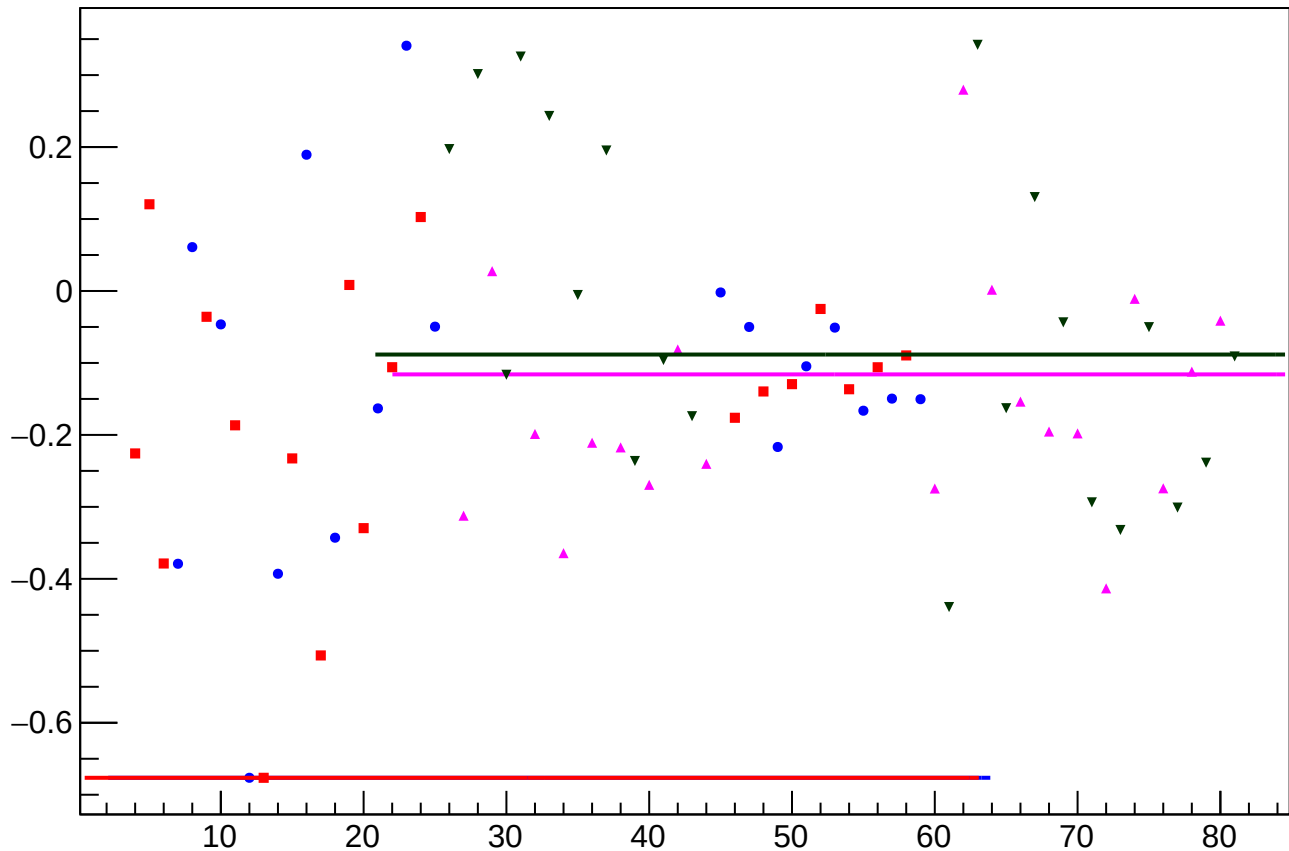
Right Out: 0.000+/-0.000 χ^2/NDF : 697661.6/18

Left In: 0.000+/-0.000 χ^2/NDF : 5588.9/19

0.000+/-0.000 χ^2/NDF : 10928.9/38

0.000+/-0.000 χ^2/NDF : 706799.7/38

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 : 36848865.7/20

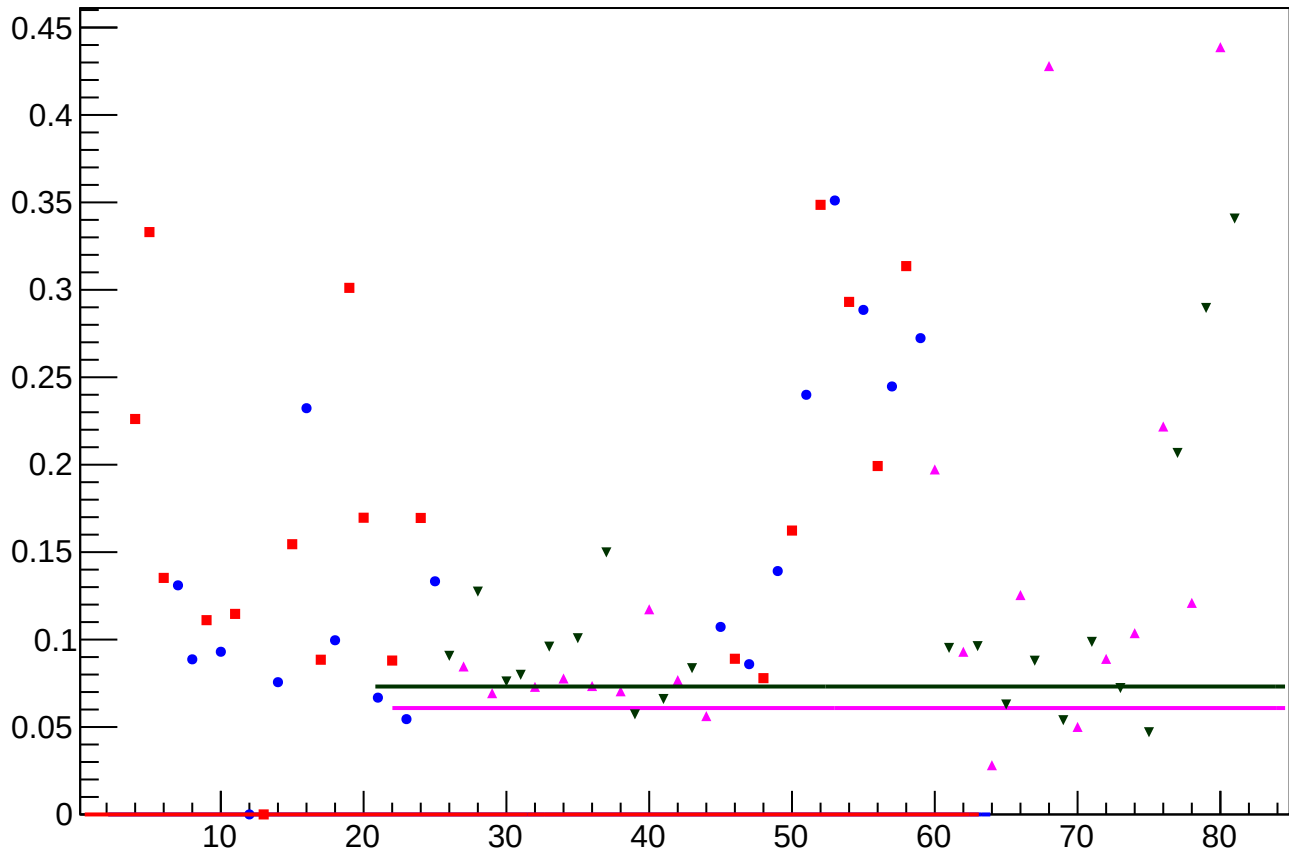
Right Out: -0.676+/-0.000 χ^2/NDF : 102004552.0/18

Left In: -0.116+/-0.000 χ^2/NDF : 29566751.0/19

-0.676+/-0.000 χ^2/NDF : 687161653.9/38

-0.676+/-0.000 χ^2/NDF : 620143857.9/38

yield_cav4dY_rms vs slug



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

Left Out: 0.073+/-0.000 χ^2/NDF : 2370181.6/20

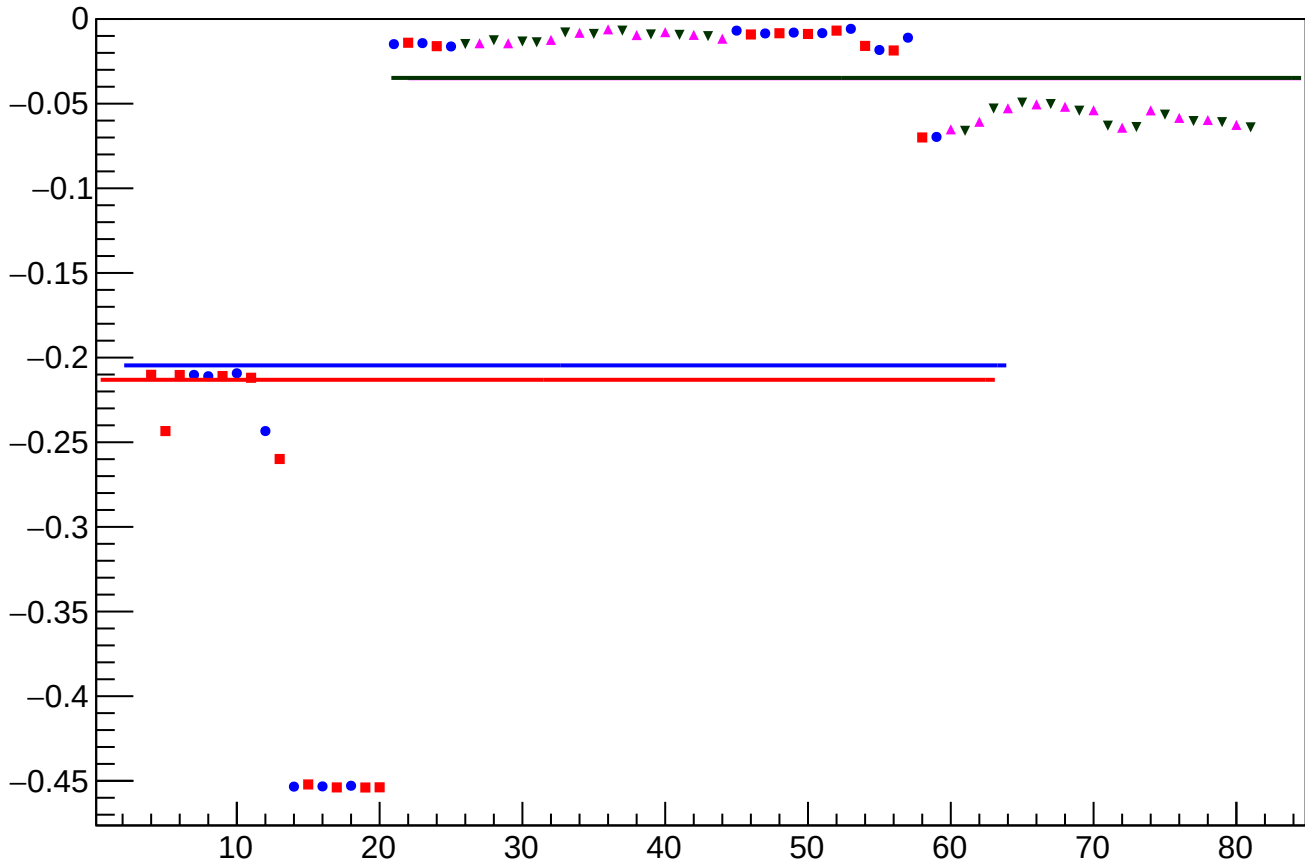
0.000+/-0.000 χ^2/NDF : 30434888.3/38

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

0.000+/-0.000 χ^2/NDF : 29754999.6/38

Left In: 0.061+/-0.000 χ^2/NDF : 4488176.8/19

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 : 68710039.7/20

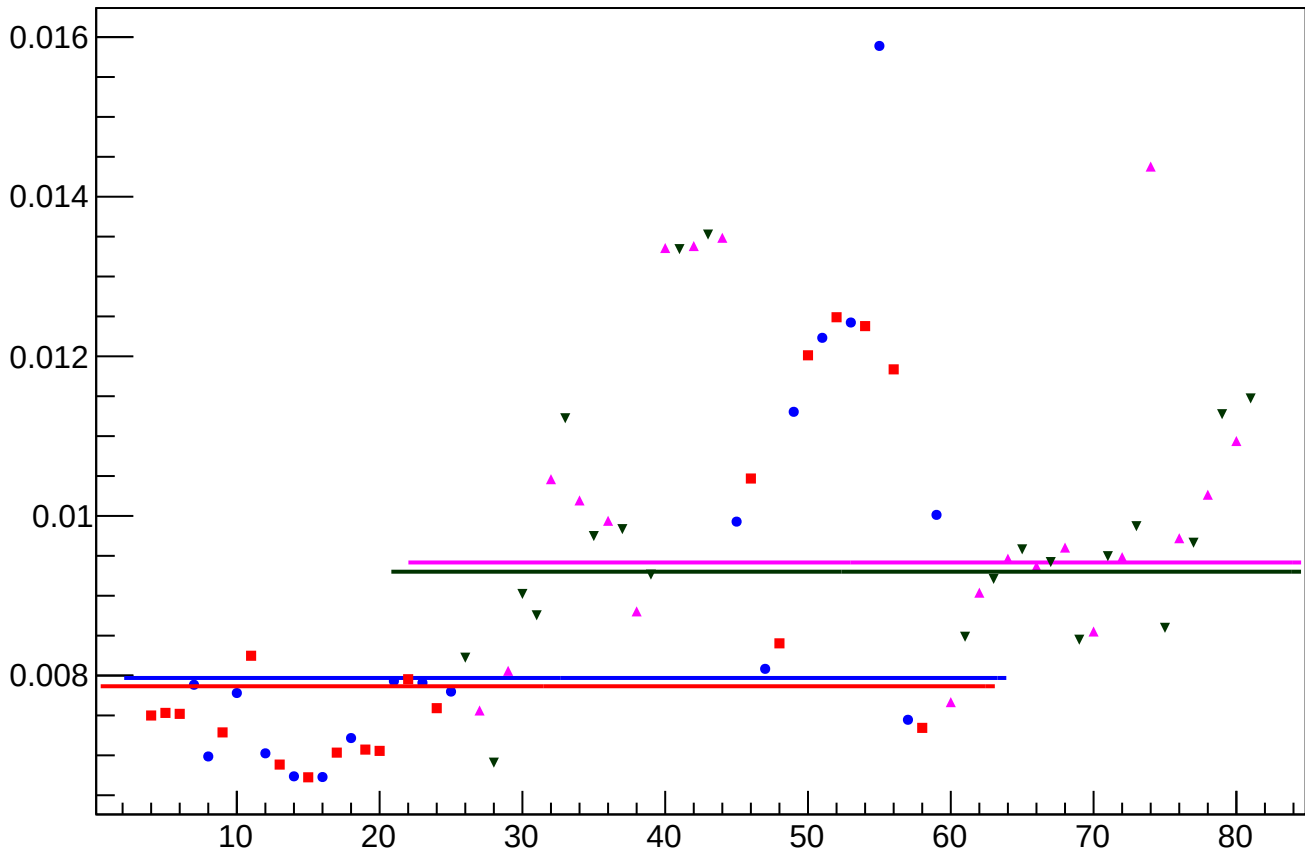
-0.133+/-0.000 χ^2/NDF : 7635846910.1/38

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

-0.135+/-0.000 χ^2/NDF : 6354924618.1/38

Left In: -0.035+/-0.000 χ^2/NDF : 66559382.0/19

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 : 511375.6/20

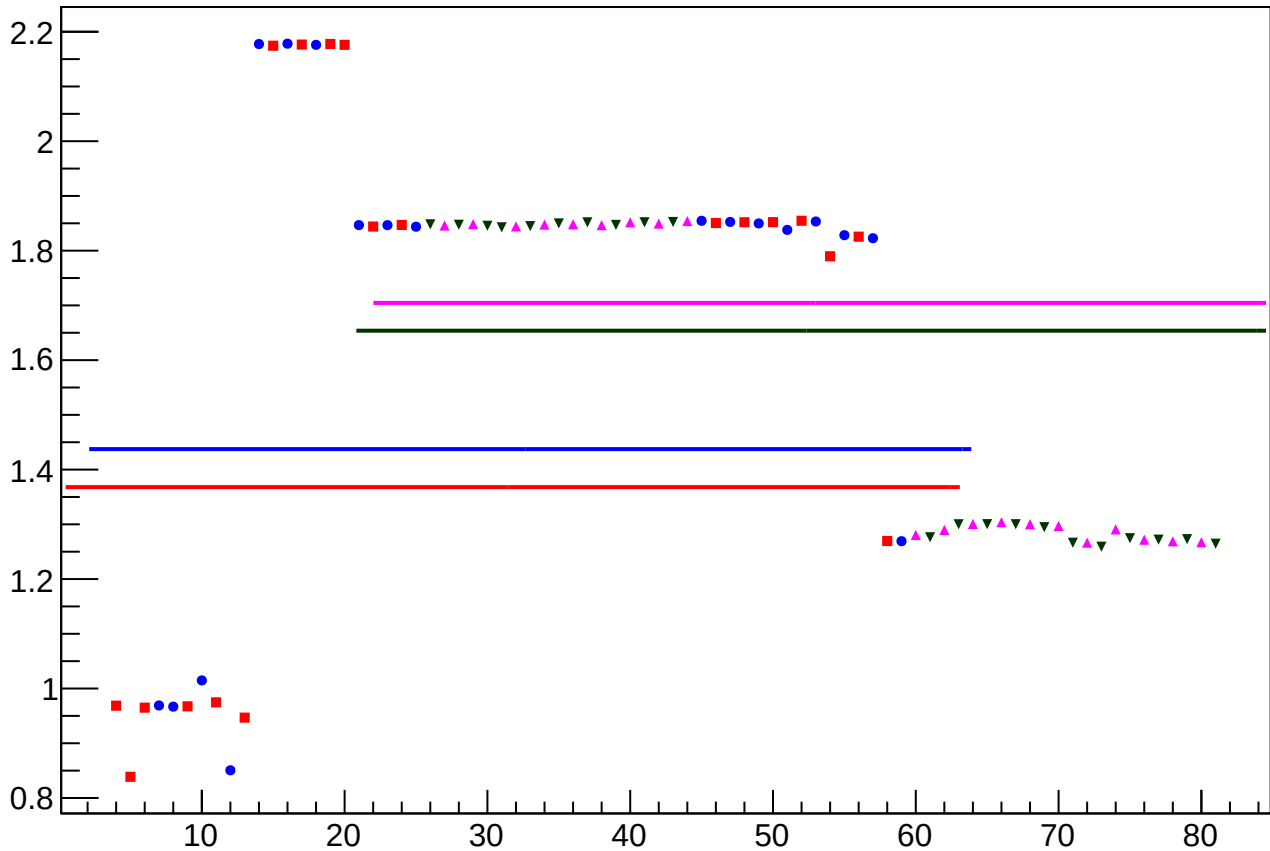
Right Out: 0.008+/-0.000 χ^2/NDF : 696189.4/18

Left In: 0.009+/-0.000 χ^2/NDF : 648161.5/19

0.009+/-0.000 χ^2/NDF : 1704430.1/38

0.009+/-0.000 χ^2/NDF : 1669802.4/38

yield_bpm4aY_mean vs slug



Right In: 1.437+/-0.000 χ^2/NDF : 14236590294.3/17

Left Out: 1.654+/-0.000 χ^2/NDF : 3095069733.3/20

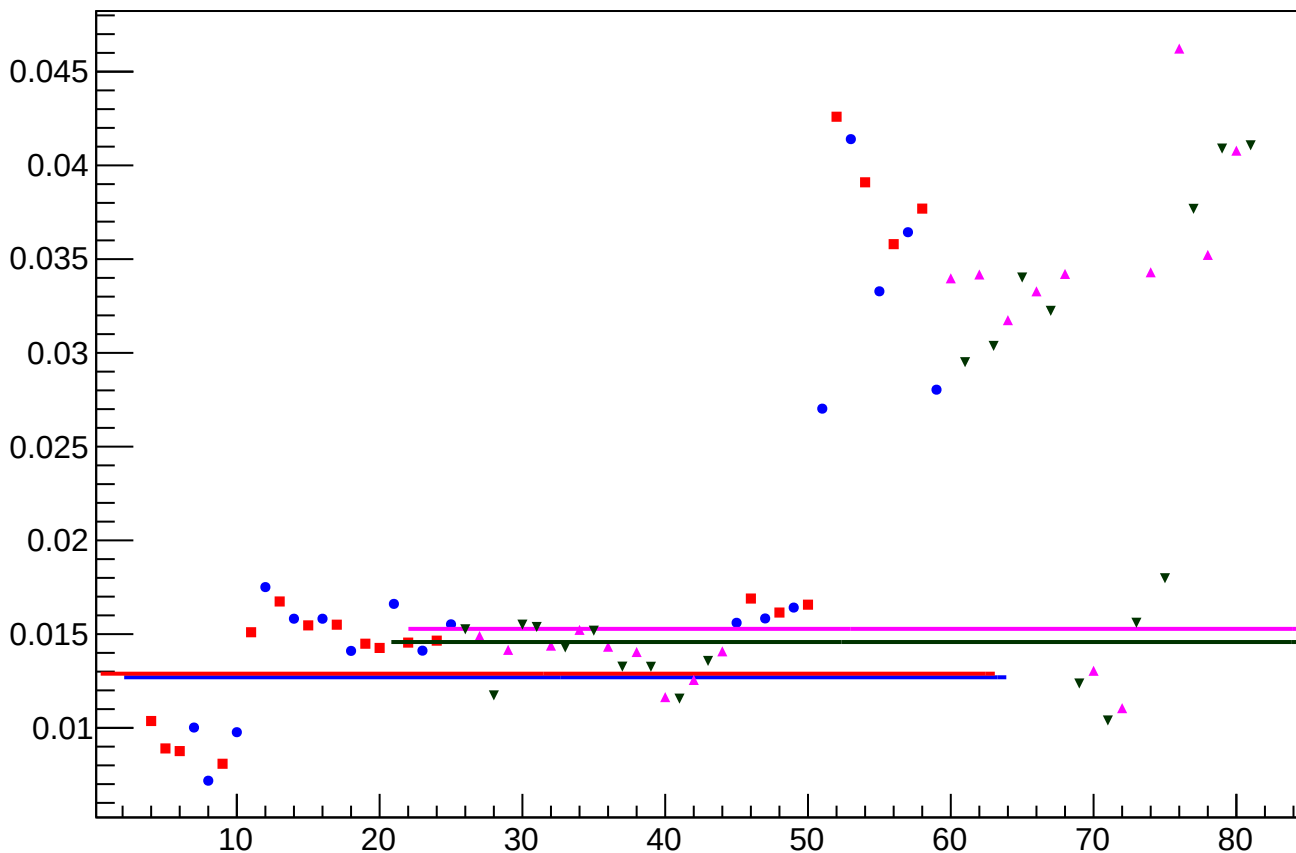
1.531+/-0.000 χ^2/NDF : 18443134060.2/38

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

1.516+/-0.000 χ^2/NDF : 17309761993.1/38

Left In: 1.705+/-0.000 χ^2/NDF : 2307853215.0/19

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 :2556885.0/20

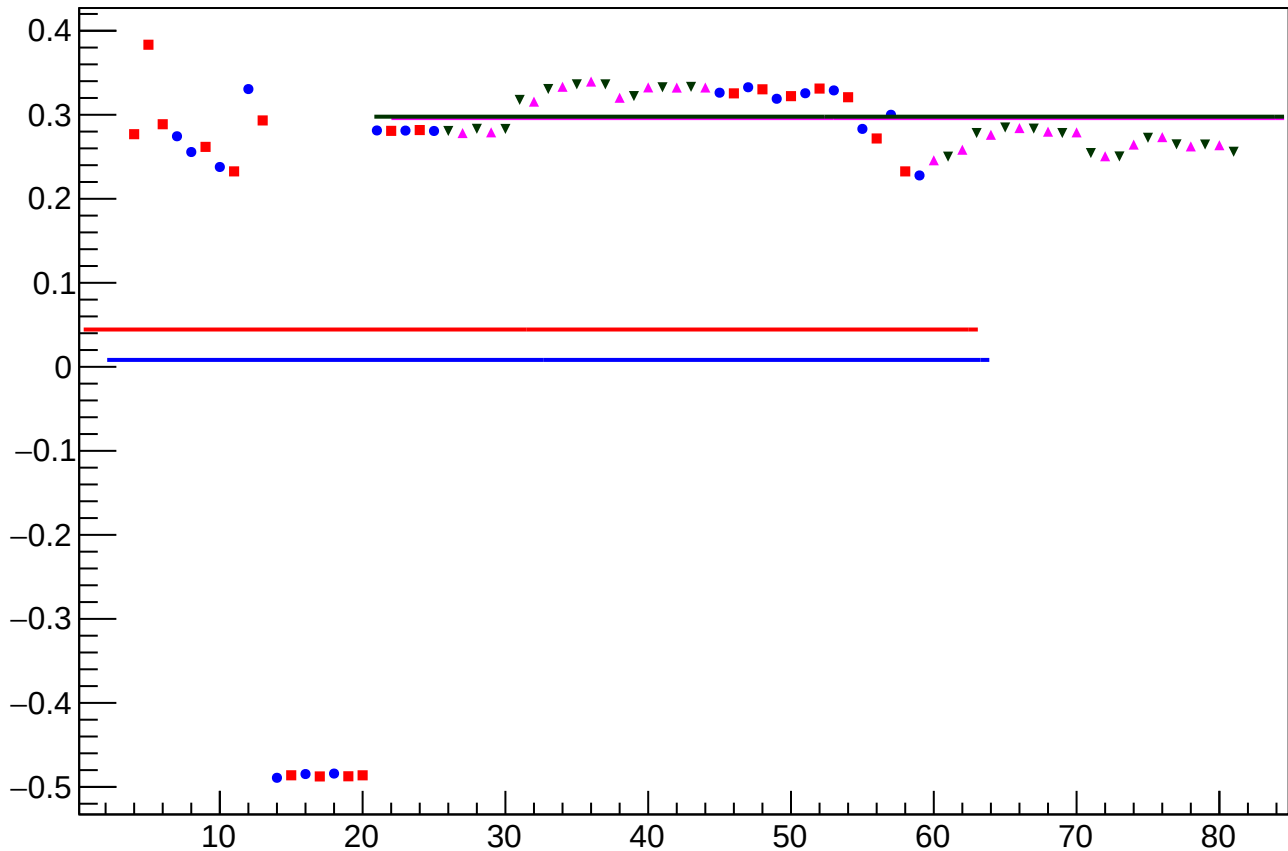
Right Out: 0.013+/-0.000 χ^2/NDF : 2814614.5/18

Left In: 0.015+/-0.000 χ^2/NDF :2894879.0/19

0.014+/-0.000 χ^2/NDF : 6259704.4/38

0.014+/-0.000 χ^2/NDF : 5952481.4/38

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: 14613461.2/20

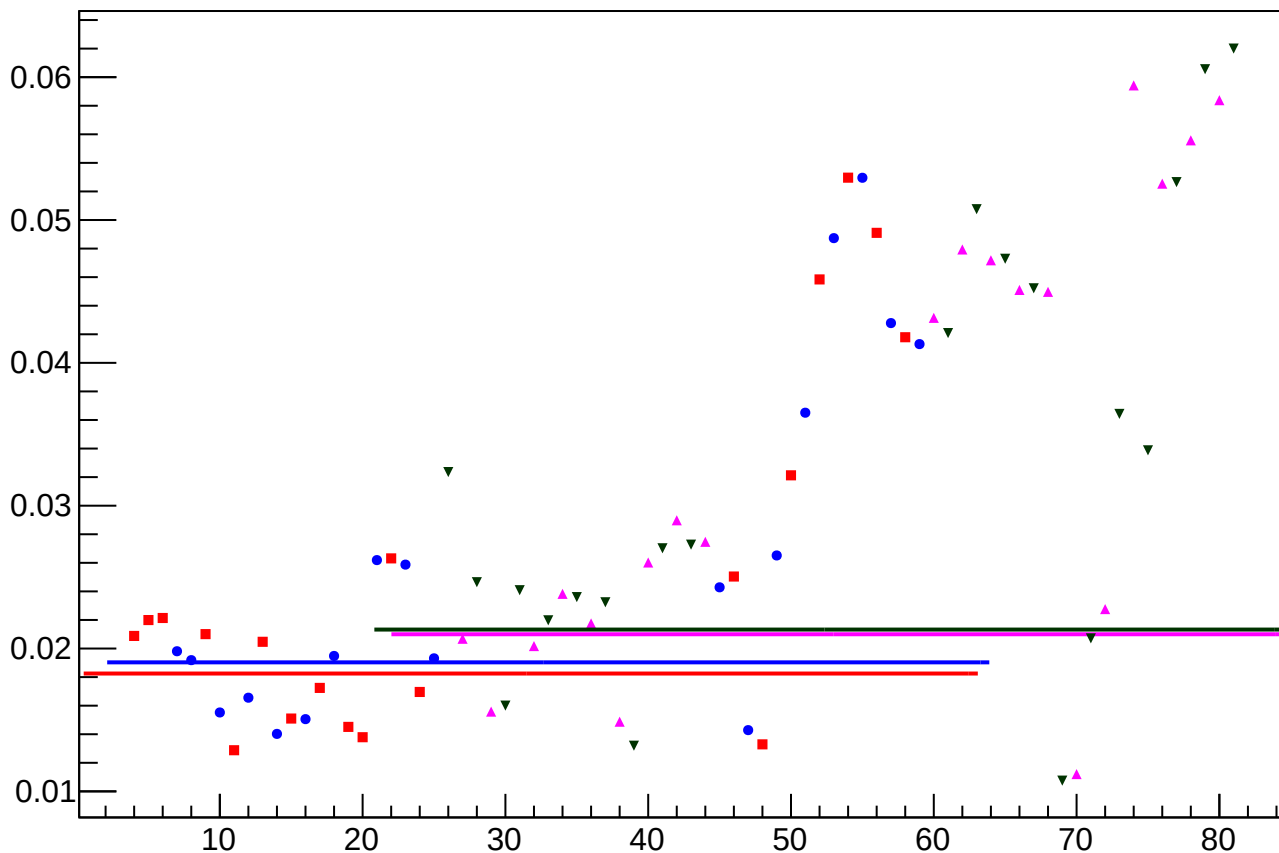
0.128 $\pm$ 0.000 χ^2 /NDF: 4500687503.2/38

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

0.154 $\pm$ 0.000 χ^2 /NDF: 3855828248.0/38

Left In: 0.296 $\pm$ 0.000 χ^2 /NDF: 13541875.2/19

yield_bpm4eX_rms vs slug



Right In: 0.019+/-0.000 χ^2/NDF : 2594784.8/17

Left Out: 0.021+/-0.000 χ^2/NDF : 4188317.4/20

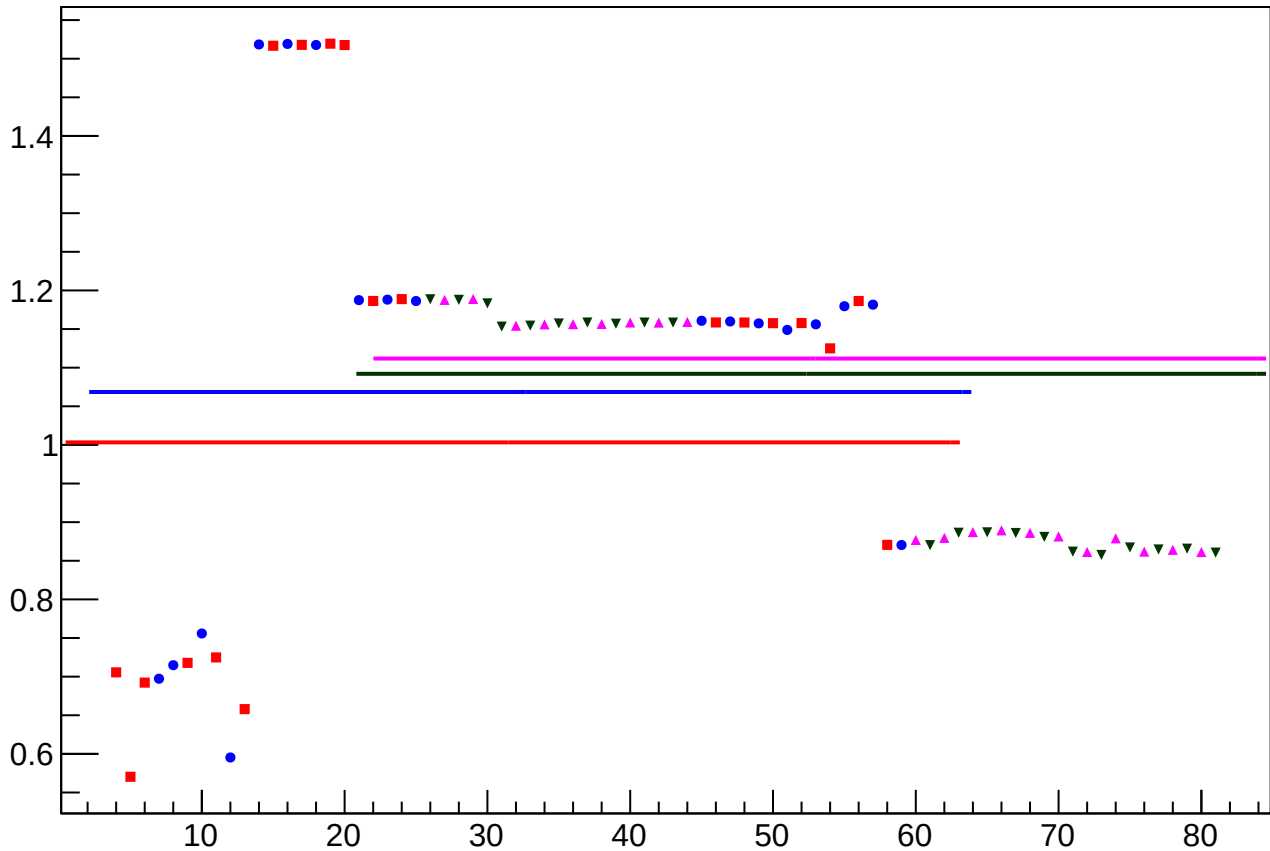
Right Out: 0.018+/-0.000 χ^2/NDF : 2485378.5/18

Left In: 0.021+/-0.000 χ^2/NDF : 4206920.8/19

0.020+/-0.000 χ^2/NDF : 6895902.3/38

0.019+/-0.000 χ^2/NDF : 6855945.3/38

yield_bpm4eY_mean vs slug



Right In: 1.069+/-0.000 χ^2/NDF : 10548206682.3/17

Left Out: 1.092+/-0.000 χ^2/NDF : 1484099476.4/20

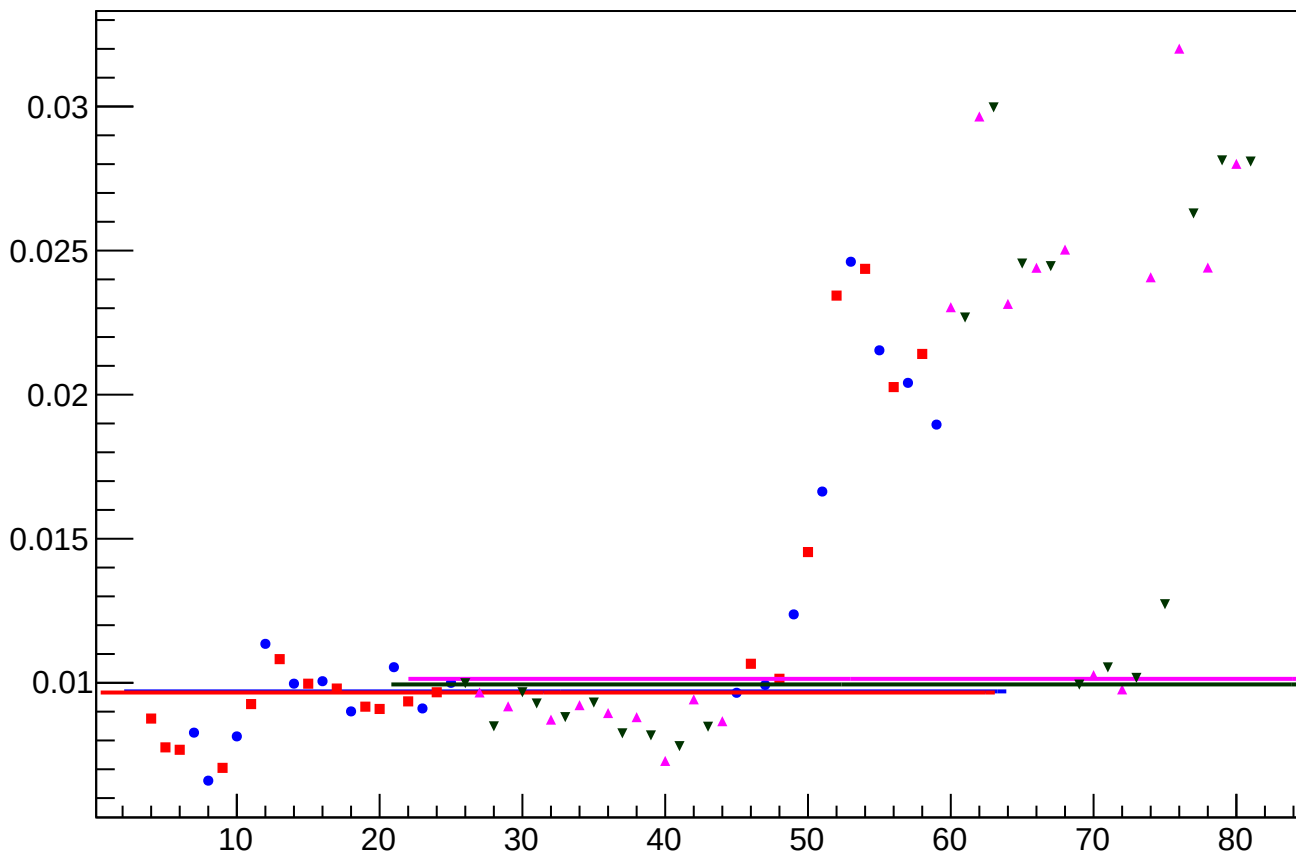
1.080+/-0.000 χ^2/NDF : 12058685334.5/38

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

1.055+/-0.000 χ^2/NDF : 11895646994.5/38

Left In: 1.112+/-0.000 χ^2/NDF : 1085696703.9/19

yield_bpm4eY_rms vs slug



Right In: 0.010 $\pm$ 0.000 χ^2/NDF : 1905622.6/17

Left Out: 0.010 $\pm$ 0.000 χ^2/NDF : 2741773.7/20

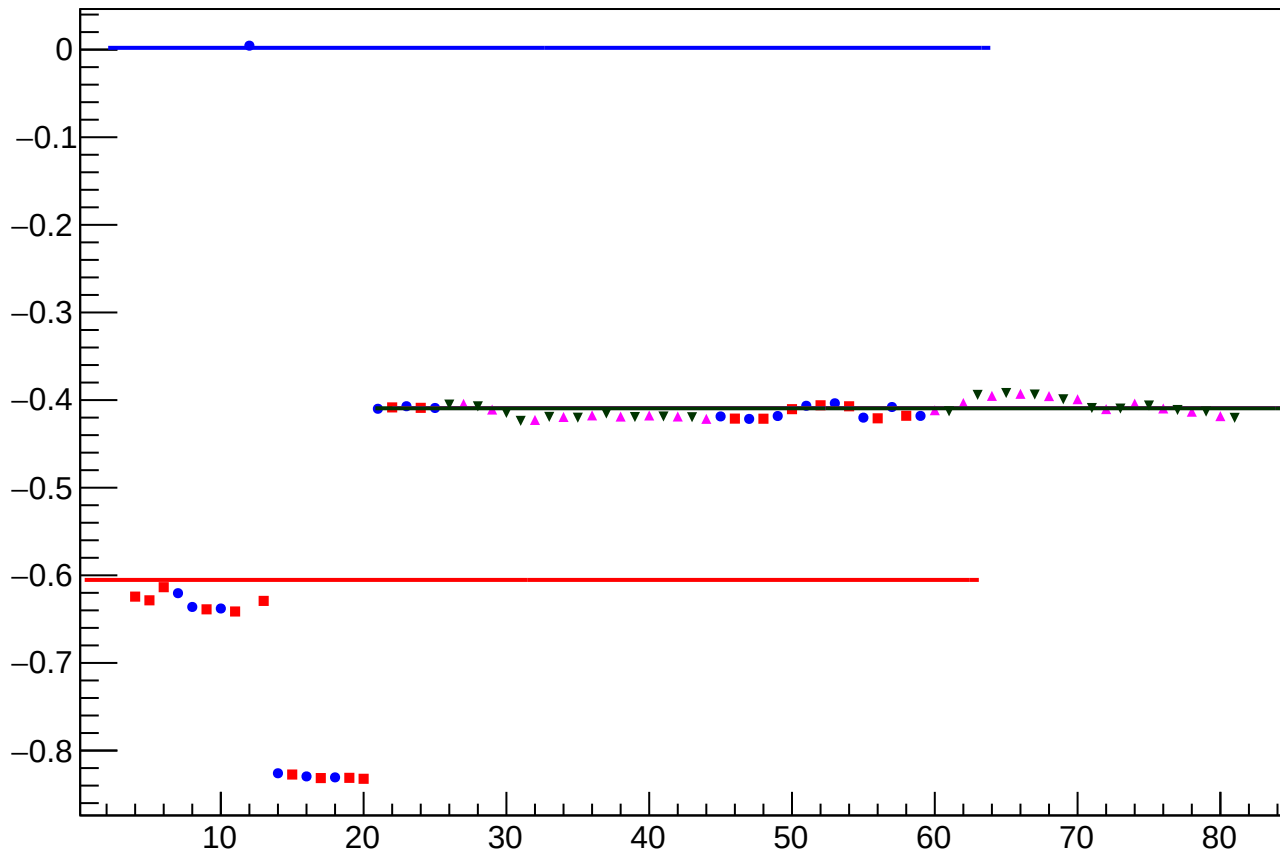
Right Out: 0.010 $\pm$ 0.000 χ^2/NDF : 1597012.3/18

Left In: 0.010 $\pm$ 0.000 χ^2/NDF : 3170148.2/19

0.010 $\pm$ 0.000 χ^2/NDF : 4652961.3/38

0.010 $\pm$ 0.000 χ^2/NDF : 4786924.9/38

yield_bpm4acX_mean vs slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 59749781854.5/17

Left Out: -0.409 $\pm$ 0.000 χ^2 /NDF: 9861336.9/20

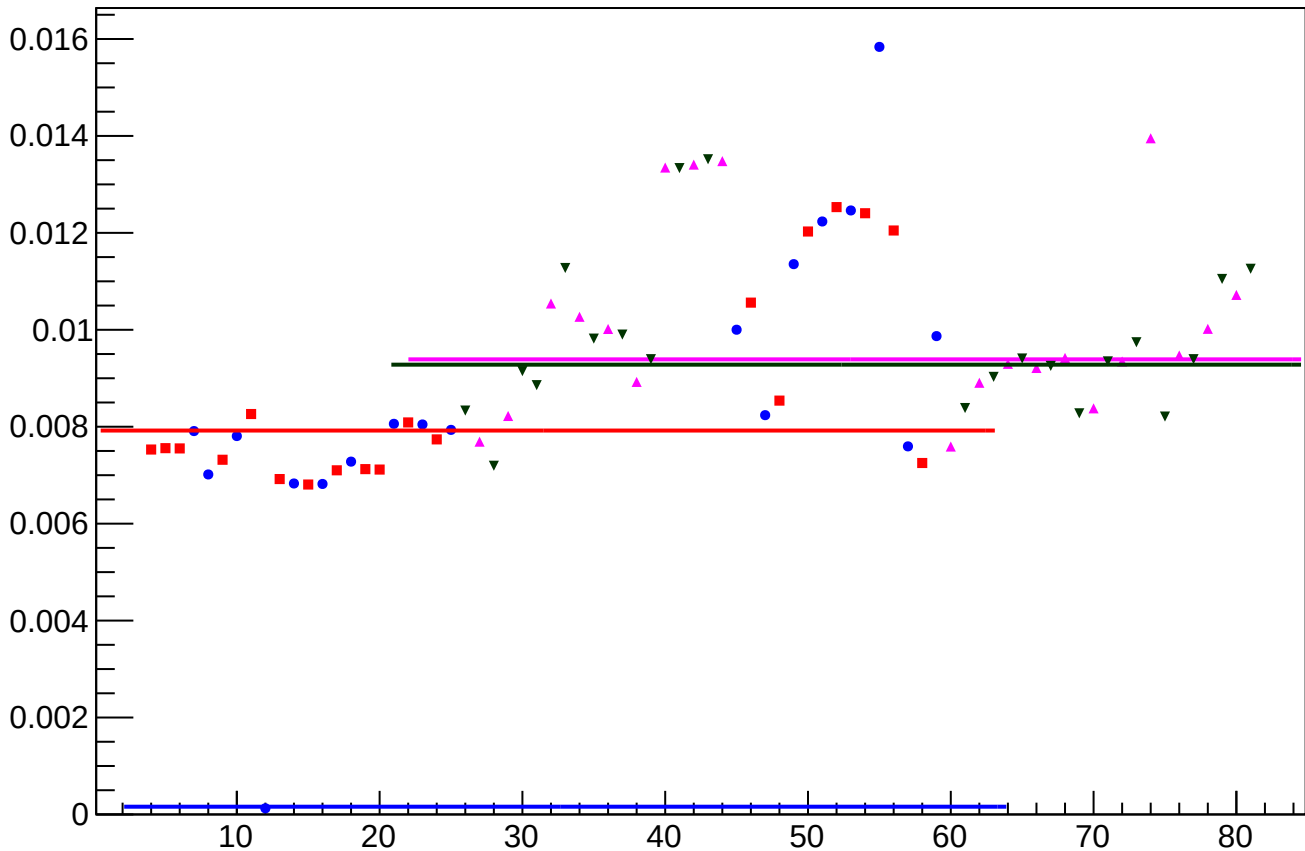
Right Out: -0.605 $\pm$ 0.000 χ^2 /NDF: 3819629229.5/18

Left In: -0.409 $\pm$ 0.000 χ^2 /NDF: 9582785.2/19

0.001 $\pm$ 0.000 χ^2 /NDF: 80381887096.3/38

-0.518 $\pm$ 0.000 χ^2 /NDF: 6426120304.3/38

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 :466881.2/20

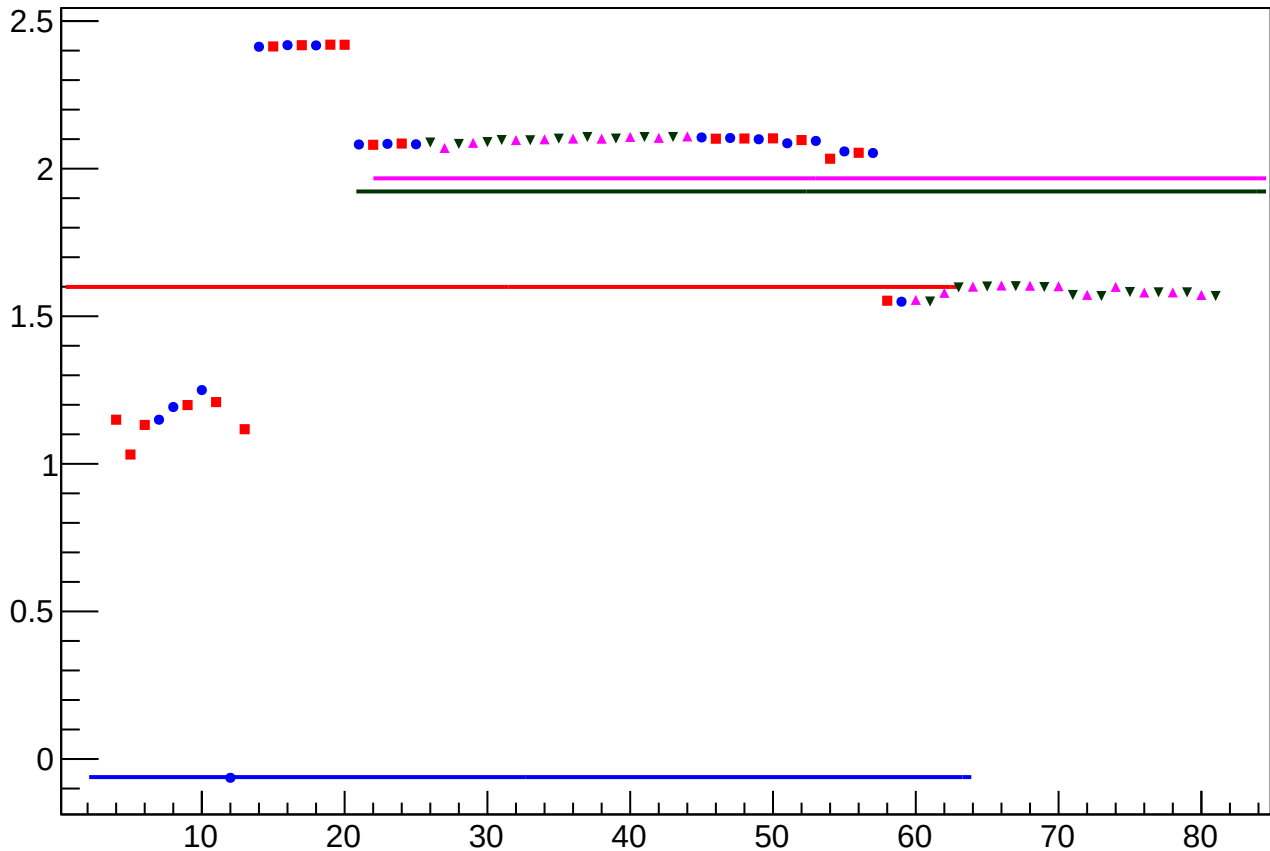
Right Out: 0.008+/-0.000 χ^2/NDF : 697414.3/18

Left In: 0.009+/-0.000 χ^2/NDF :614741.8/19

0.000+/-0.000 χ^2/NDF : 41002136.6/38

0.009+/-0.000 χ^2/NDF : 1603418.6/38

yield_bpm4acY_mean vs slug



Right In: -0.061+/-0.000 χ^2/NDF : 171003968524.2/17

Left Out: 1.923+/-0.000 χ^2/NDF : 2449552789.6/20

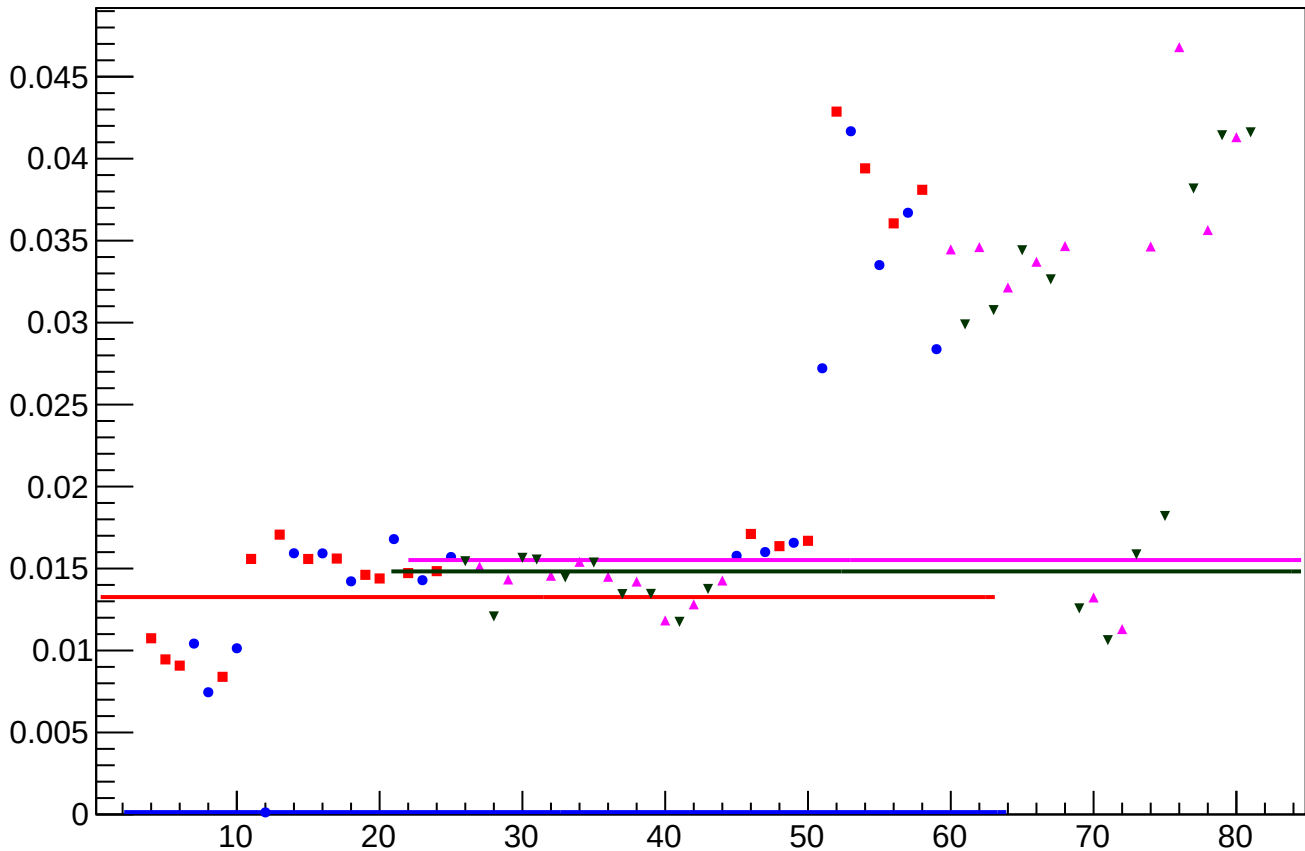
-0.059+/-0.000 χ^2/NDF : 333393359131.9/38

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

1.763+/-0.000 χ^2/NDF : 17684574696.8/38

Left In: 1.967+/-0.000 χ^2/NDF : 1821154348.8/19

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 : 2529552.6/20

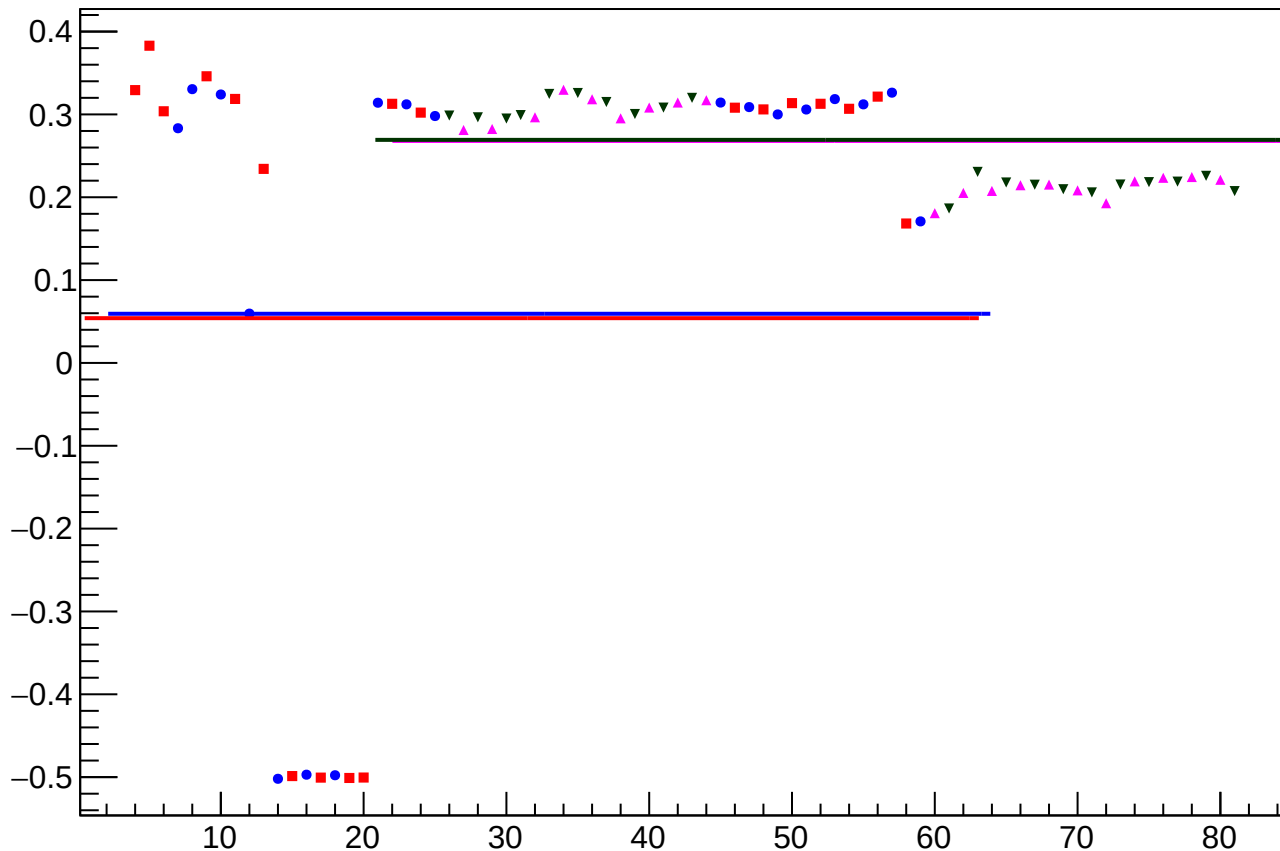
Right Out: 0.013+/-0.000 χ^2/NDF : 2690130.8/18

Left In: 0.016+/-0.000 χ^2/NDF : 2878437.7/19

0.000+/-0.000 χ^2/NDF : 39680201.1/38

0.014+/-0.000 χ^2/NDF : 5776993.7/38

yield_bpm4ecX_mean vs slug



Right In: 0.059+/-0.000 χ^2/NDF : 3888801914.2/17

Left Out: 0.269+/-0.000 χ^2/NDF : 40898487.9/20

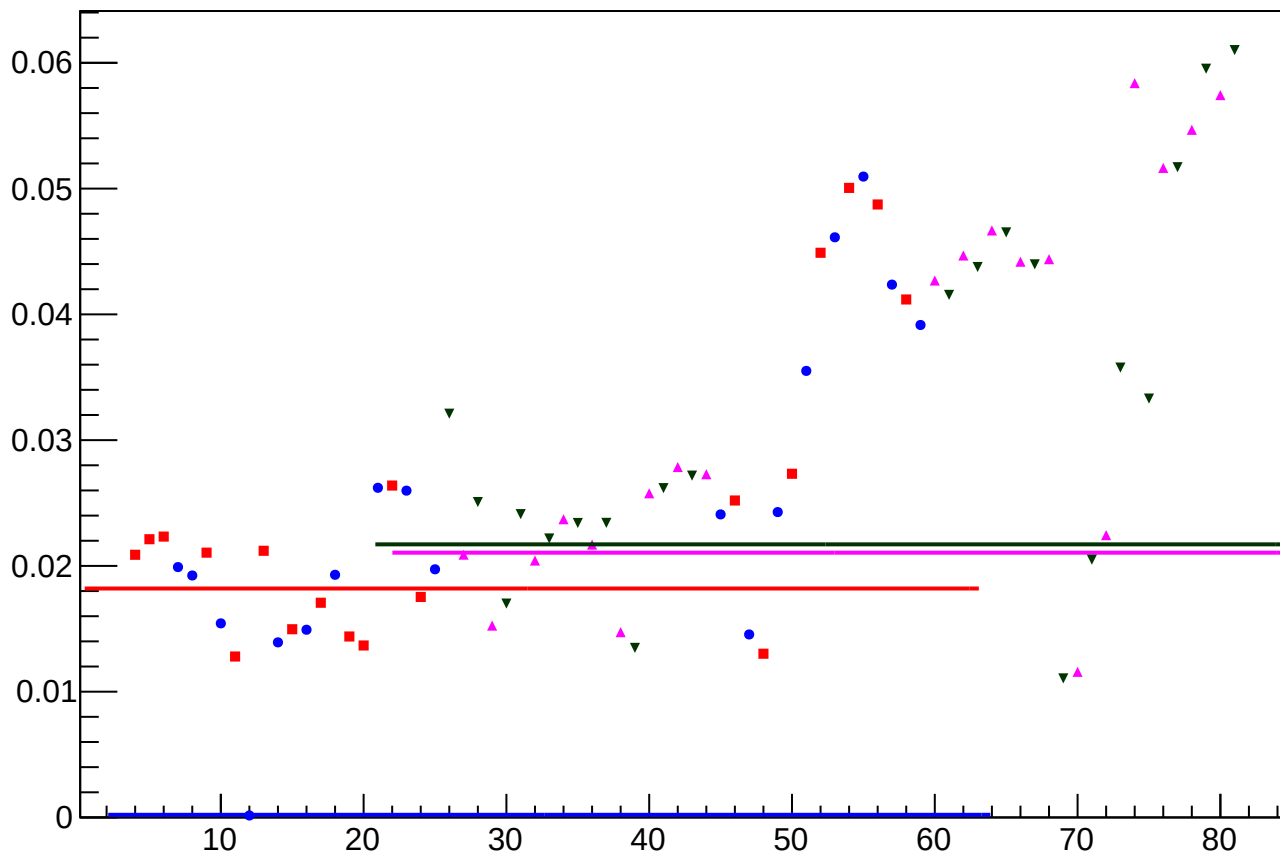
Right Out: 0.054+/-0.000 χ^2/NDF : 3509628523.3/18

Left In: 0.268+/-0.000 χ^2/NDF : 38047456.3/19

0.060+/-0.000 χ^2/NDF : 4722555624.8/38

0.147+/-0.000 χ^2/NDF : 4047336034.2/38

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 : 3870819.0/20

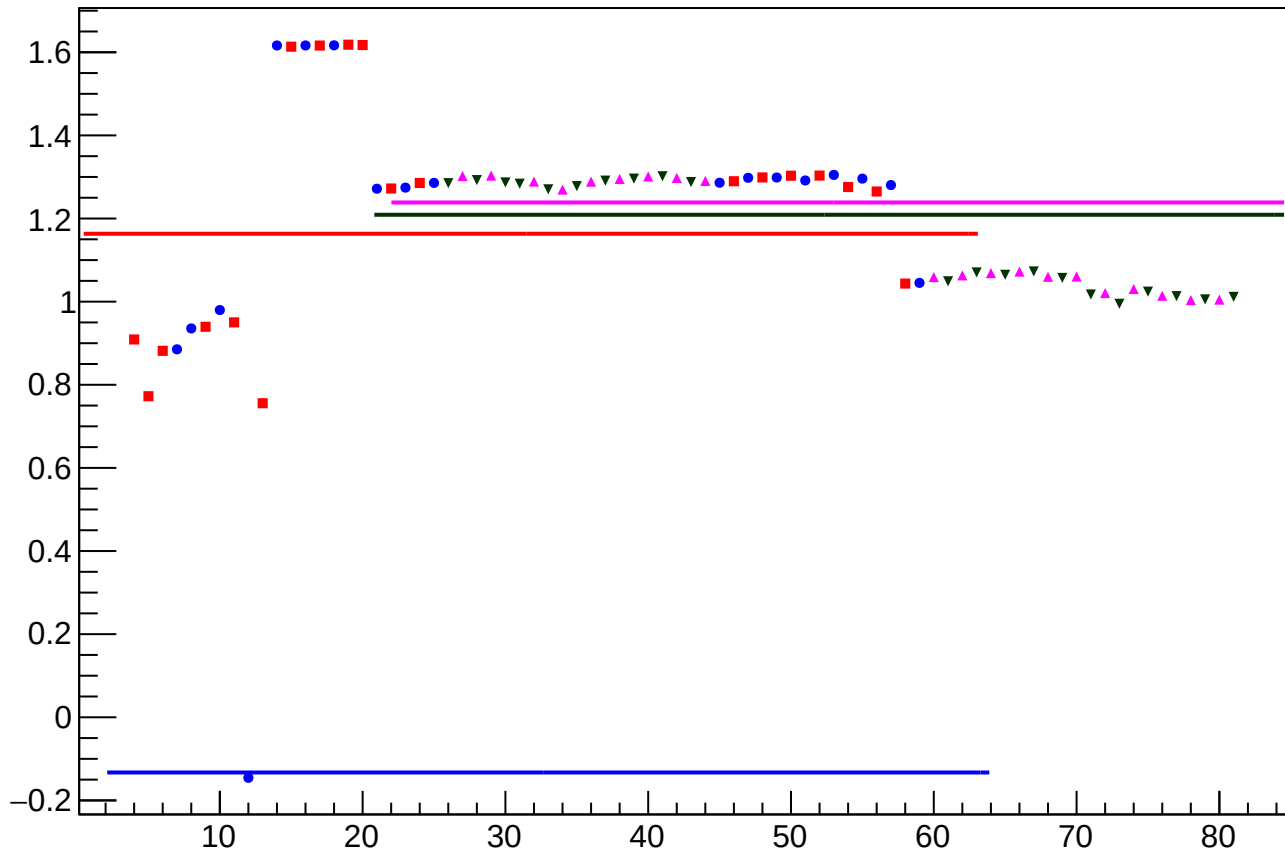
Right Out: 0.018+/-0.000 χ^2/NDF : 2422437.2/18

Left In: 0.021+/-0.000 χ^2/NDF : 4054632.3/19

0.000+/-0.000 χ^2/NDF : 40257049.5/38

0.019+/-0.000 χ^2/NDF : 6654451.1/38

yield_bpm4ecY_mean vs slug



Right In: -0.133+/-0.000 χ^2/NDF : 169320914657.8/17

Left Out: 1.209+/-0.000 χ^2/NDF :1063431853.9/20

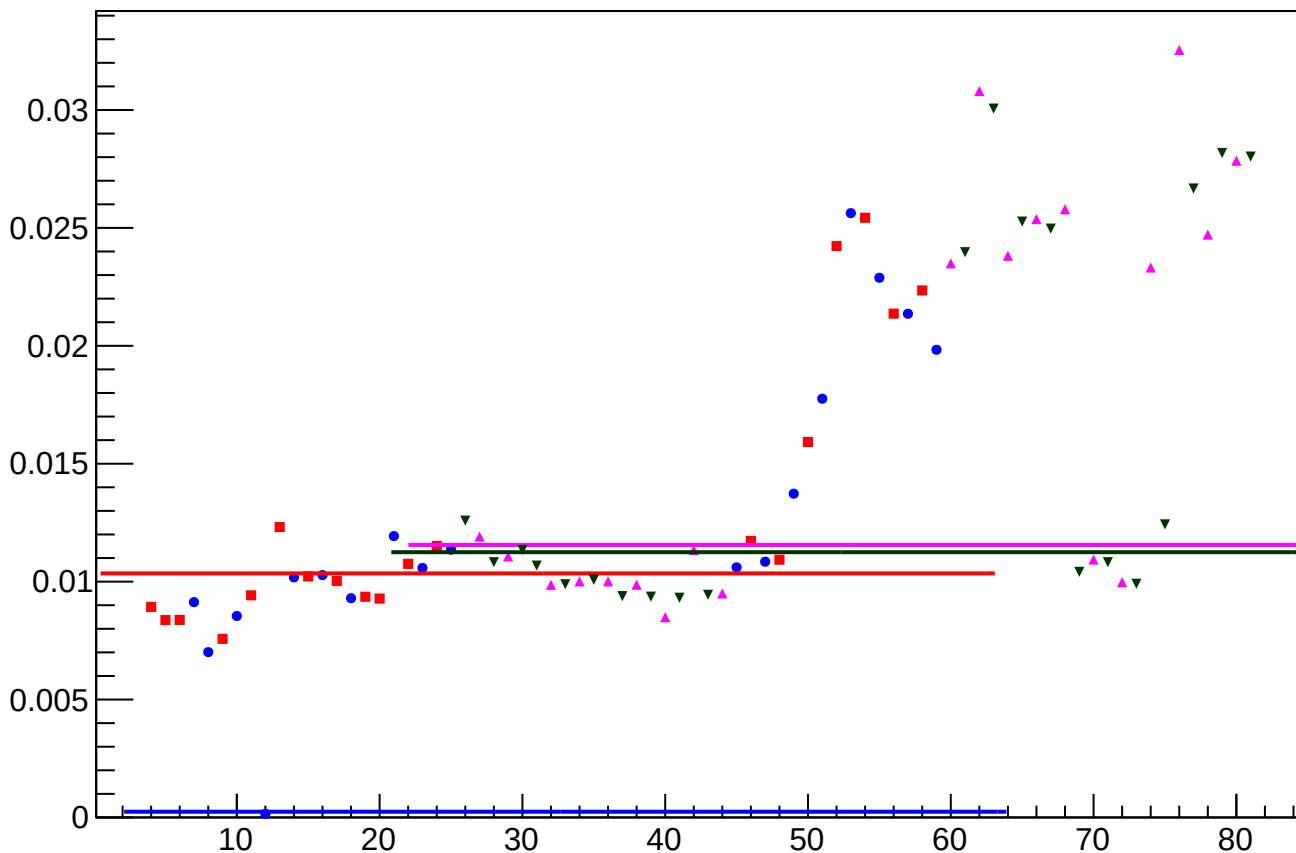
-0.122+/-0.000 χ^2/NDF : 298717273021.3/38

Right Out: 1.163+/-0.000 χ^2/NDF : 7253036603.9/18

1.198+/-0.000 χ^2/NDF : 8188810375.1/38

Left In: 1.239+/-0.000 χ^2/NDF :729963995.9/19

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 : 2351346.0/20

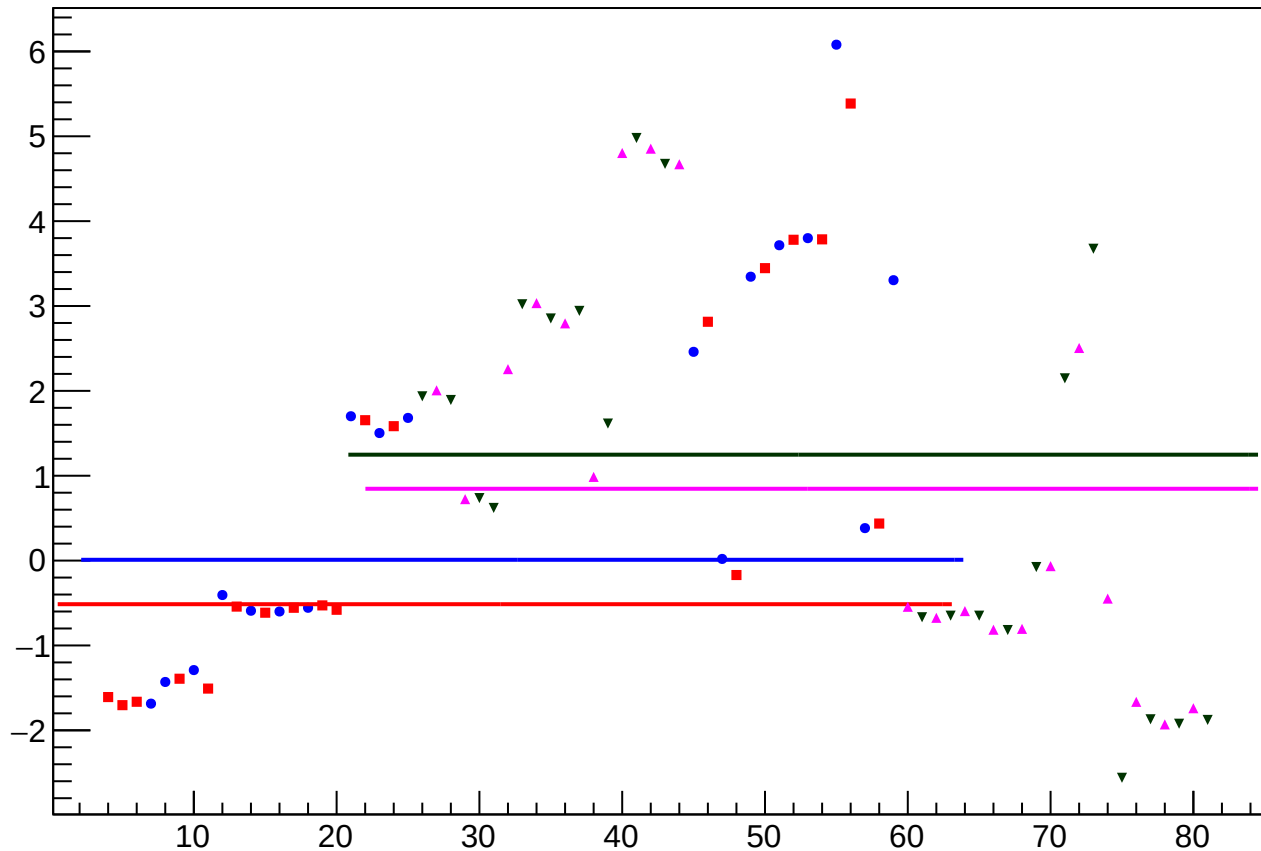
Right Out: 0.010+/-0.000 χ^2/NDF : 1619353.0/18

Left In: 0.012+/-0.000 χ^2/NDF : 2784875.9/19

0.000+/-0.000 χ^2/NDF : 38820409.1/38

0.011+/-0.000 χ^2/NDF : 4510044.5/38

yield_bpm1X_mean vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 18135045883.2/17

Left Out: 1.248+/-0.000 χ^2/NDF : 3504258175.6/20

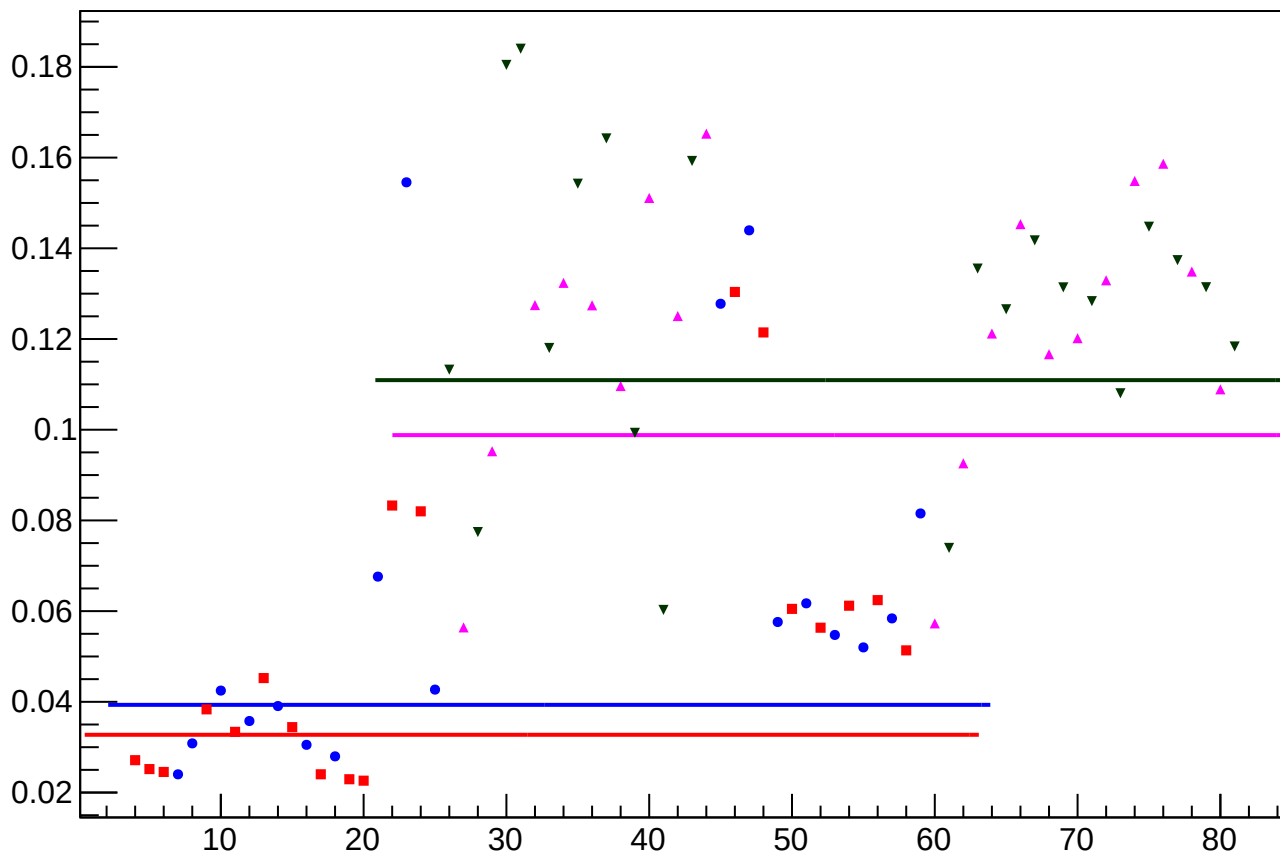
0.160+/-0.000 χ^2/NDF : 22525421143.1/38

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

-0.351+/-0.000 χ^2/NDF : 18579839716.5/38

Left In: 0.846+/-0.000 χ^2/NDF : 2751357303.8/19

yield_bpm1X_rms vs slug



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

Left Out: 0.111+/-0.000 χ^2/NDF :1526590.9/20

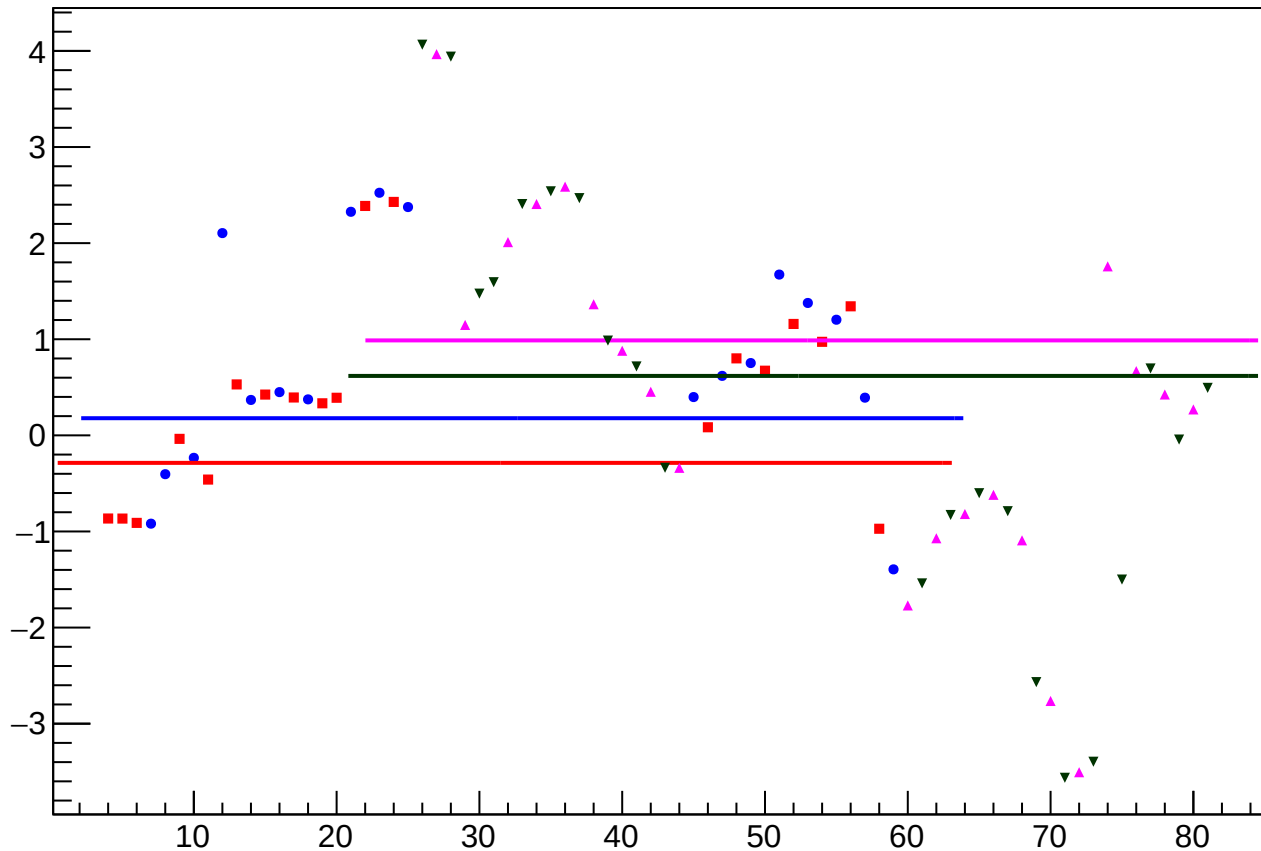
Right Out: 0.033+/-0.000 χ^2/NDF : 2838022.5/18

Left In: 0.099+/-0.000 χ^2/NDF :2122288.4/19

0.048+/-0.000 χ^2/NDF : 10525938.2/38

0.041+/-0.000 χ^2/NDF : 11350471.4/38

yield_bpm1Y_mean vs slug



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

Left Out: 0.618 ± 0.000 χ^2/NDF : 6417858233.8/20

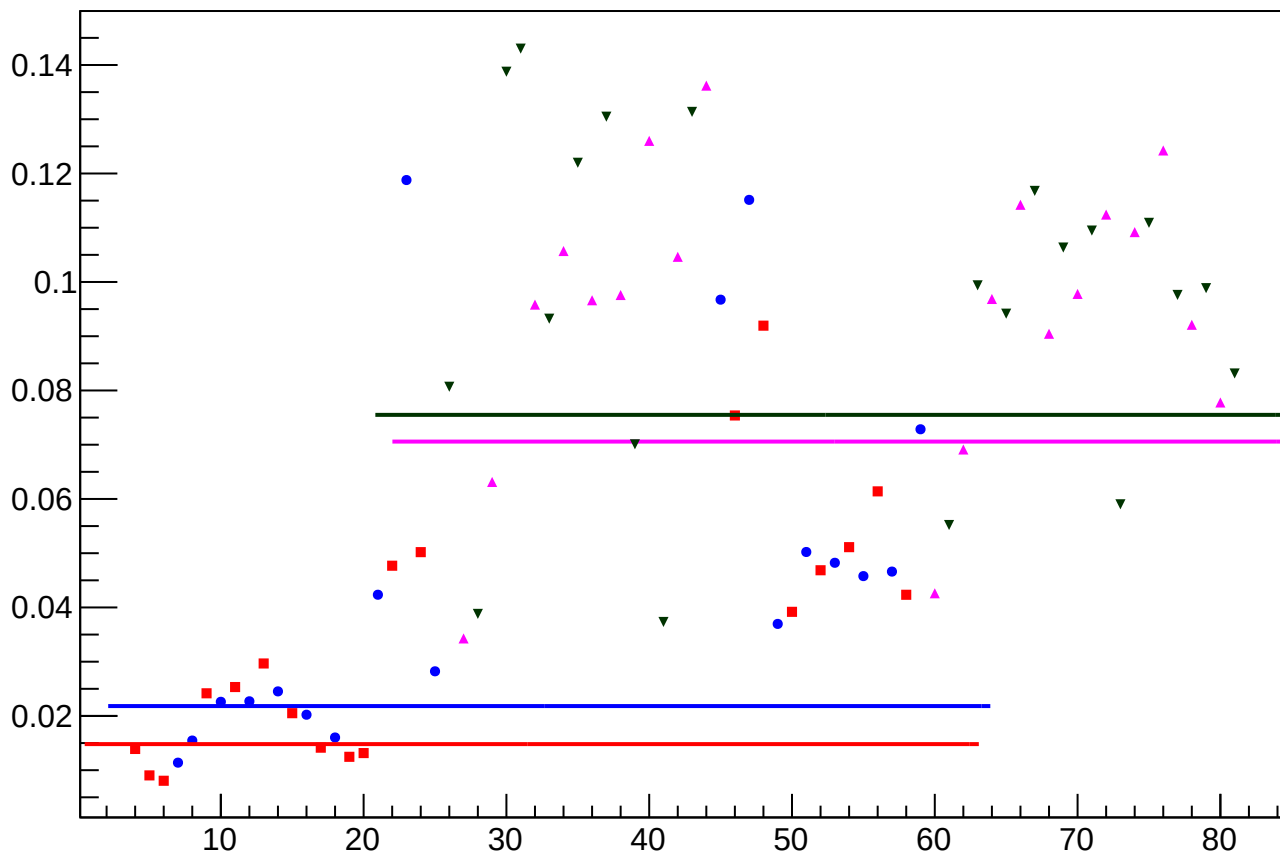
0.219 ± 0.000 χ^2/NDF : 16119635668.0/38

Right Out: -0.286 ± 0.000 χ^2/NDF : 10734675455.5/18

-0.205 ± 0.000 χ^2/NDF : 20617120559.3/38

Left In: 0.988 ± 0.000 χ^2/NDF : 7615358013.6/19

yield_bpm1Y_rms vs slug



Right In: 0.022+/-0.000 χ^2/NDF : 4669284.8/17

Left Out: 0.076+/-0.000 χ^2/NDF : 2594223.0/20

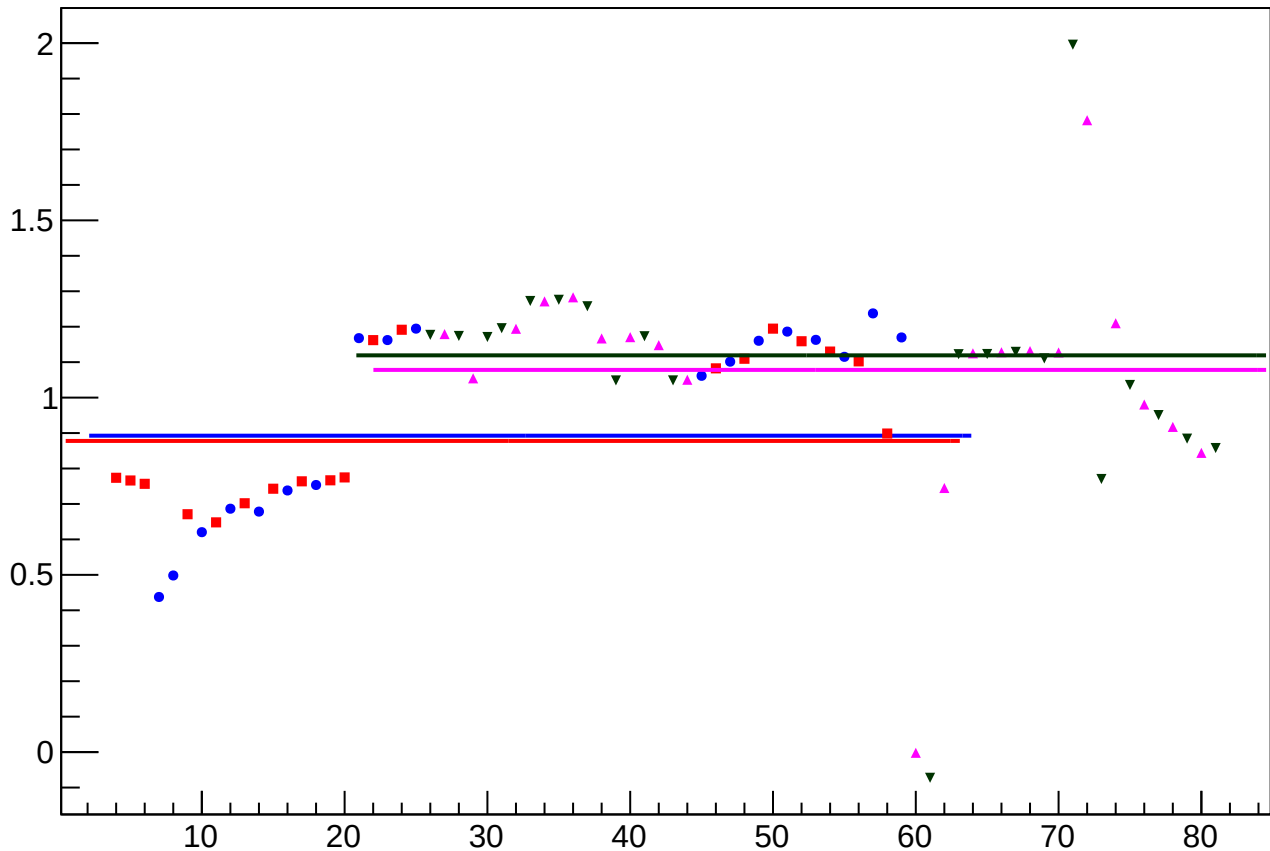
Right Out: 0.015+/-0.000 χ^2/NDF : 4938559.5/18

Left In: 0.071+/-0.000 χ^2/NDF : 2978918.1/19

0.027+/-0.000 χ^2/NDF : 13785722.4/38

0.018+/-0.000 χ^2/NDF : 16602957.1/38

yield_bpm11X_mean vs slug



Right In: 0.893+/-0.000 χ^2/NDF : 1629156385.0/17

Left Out: 1.119+/-0.000 χ^2/NDF : 2126056016.0/20

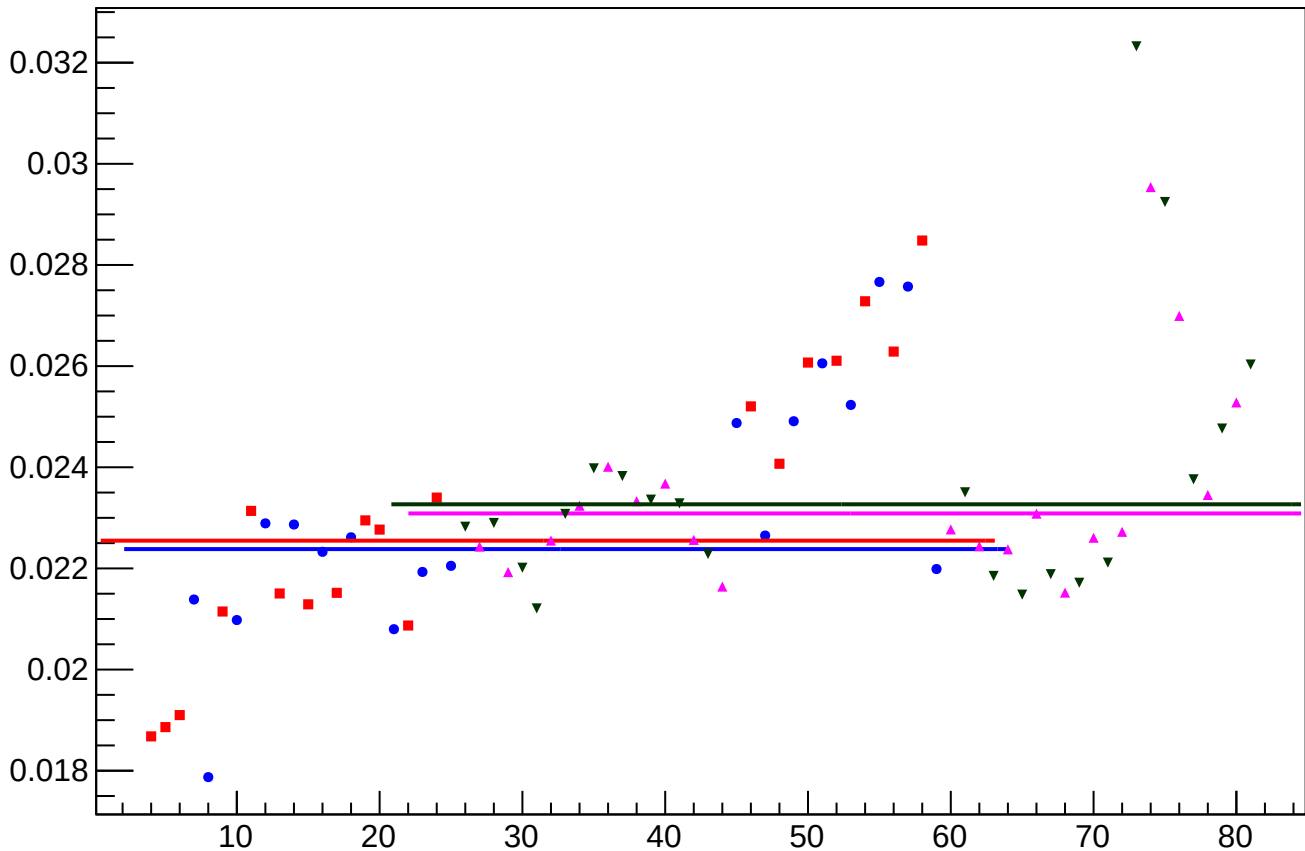
Right Out: 0.878+/-0.000 χ^2/NDF : 761495098.5/18

Left In: 1.078+/-0.000 χ^2/NDF : 1837269277.5/19

1.000+/-0.000 χ^2/NDF : 4278017862.5/38

0.982+/-0.000 χ^2/NDF : 2988429817.2/38

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 :168905.0/20

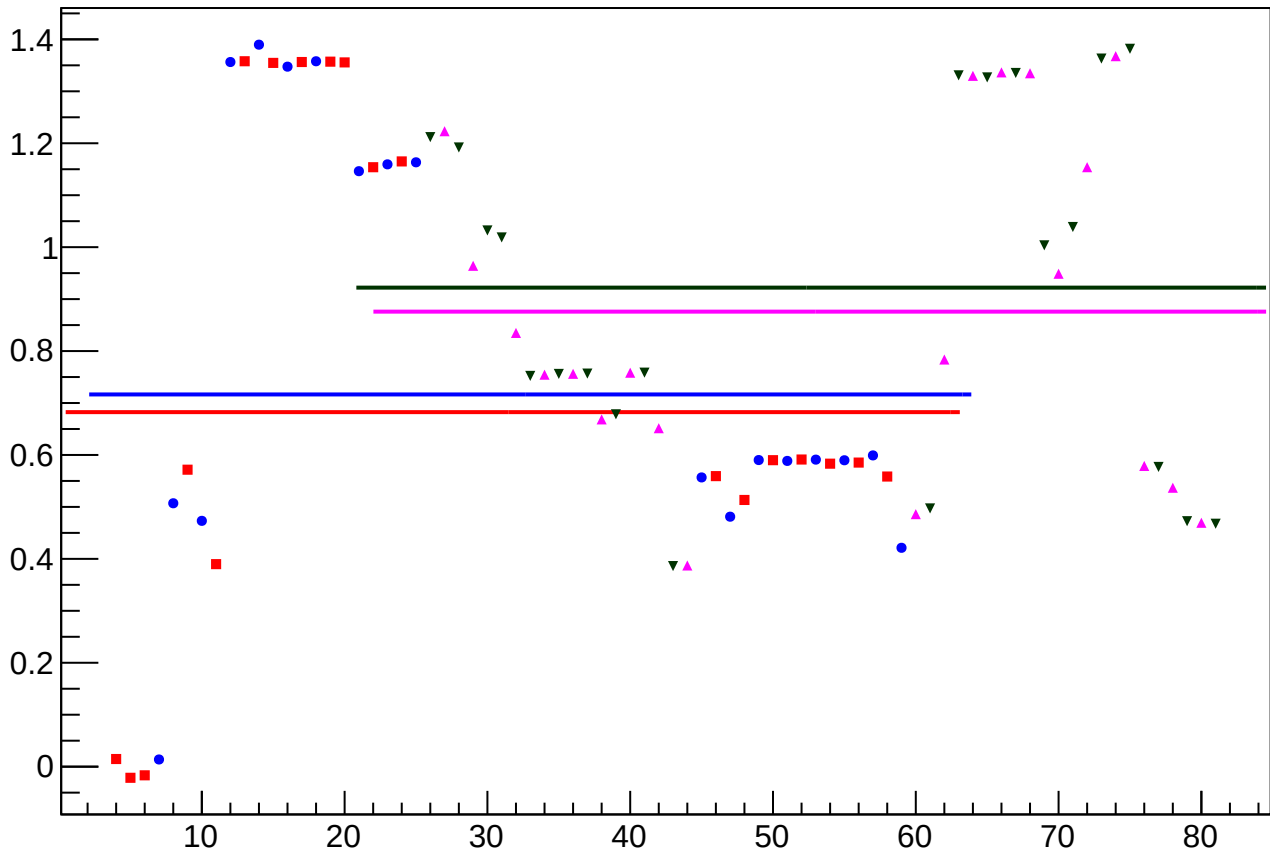
Right Out: 0.023+/-0.000 χ^2/NDF : 246194.4/18

Left In: 0.023+/-0.000 χ^2/NDF :96829.6/19

0.023+/-0.000 χ^2/NDF : 449493.9/38

0.023+/-0.000 χ^2/NDF : 348646.1/38

yield_bpm11Y_mean vs slug



Right In: 0.716 $\pm$ 0.000 χ^2 /NDF: 131330740430.7/17

Left Out: 0.922 $\pm$ 0.000 χ^2 /NDF: 101861441862.8/20

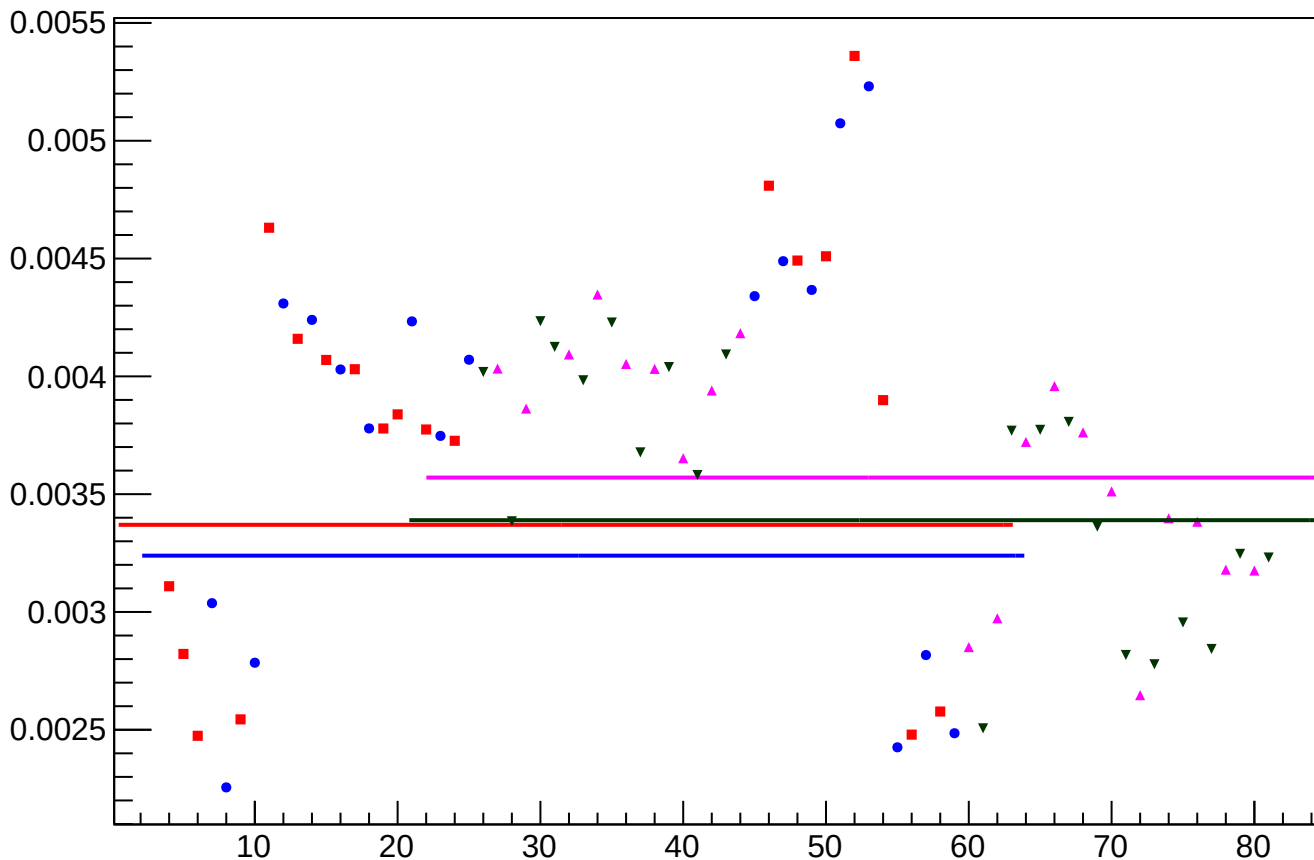
0.816 $\pm$ 0.000 χ^2 /NDF: 252675024519.4/38

Right Out: 0.682 $\pm$ 0.000 χ^2 /NDF: 168328456976.2/18

0.781 $\pm$ 0.000 χ^2 /NDF: 263234005779.1/38

Left In: 0.876 $\pm$ 0.000 χ^2 /NDF: 79801770981.4/19

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 : 493911.1/20

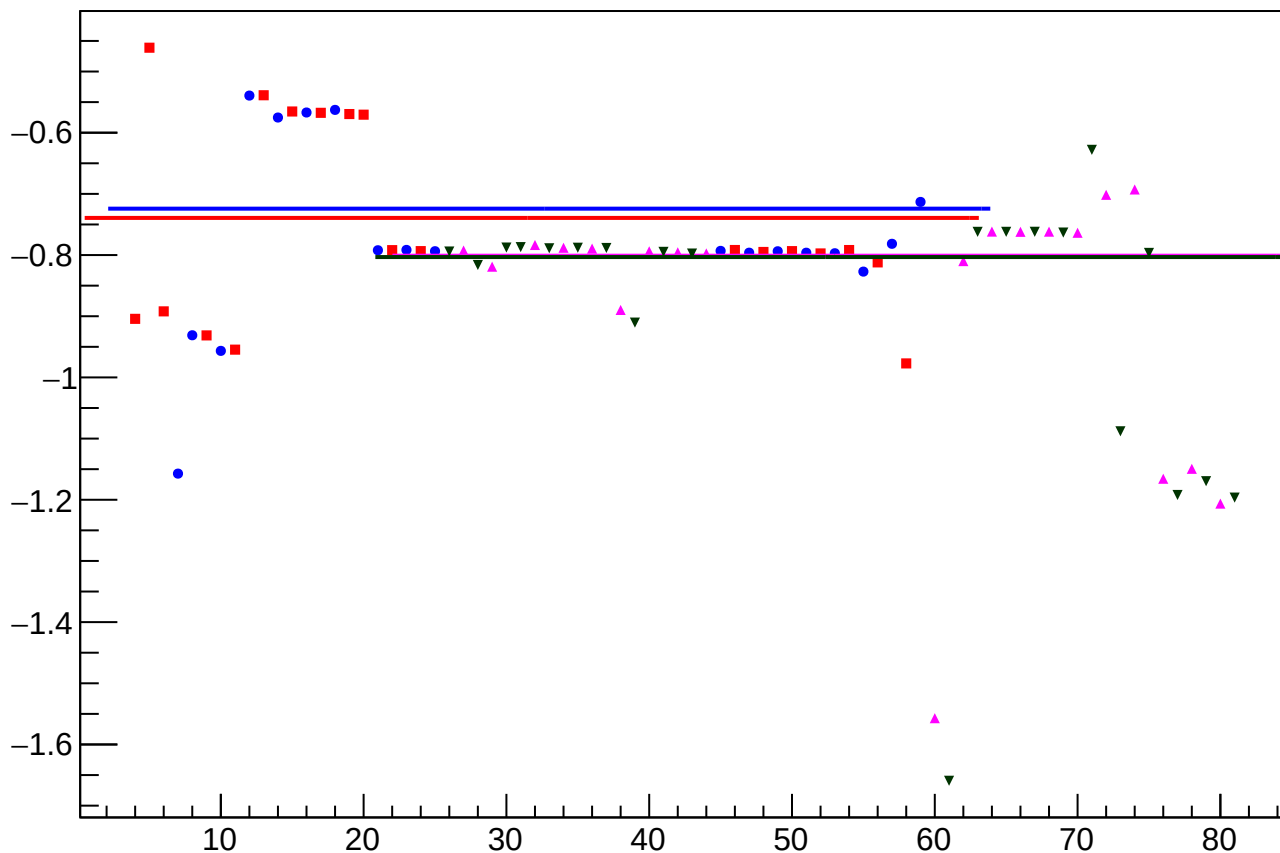
Right Out: 0.003+/-0.000 χ^2/NDF : 1158167.7/18

Left In: 0.004+/-0.000 χ^2/NDF : 387272.9/19

0.003+/-0.000 χ^2/NDF : 2067602.8/38

0.003+/-0.000 χ^2/NDF : 1577910.7/38

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 : 999822179.3/20

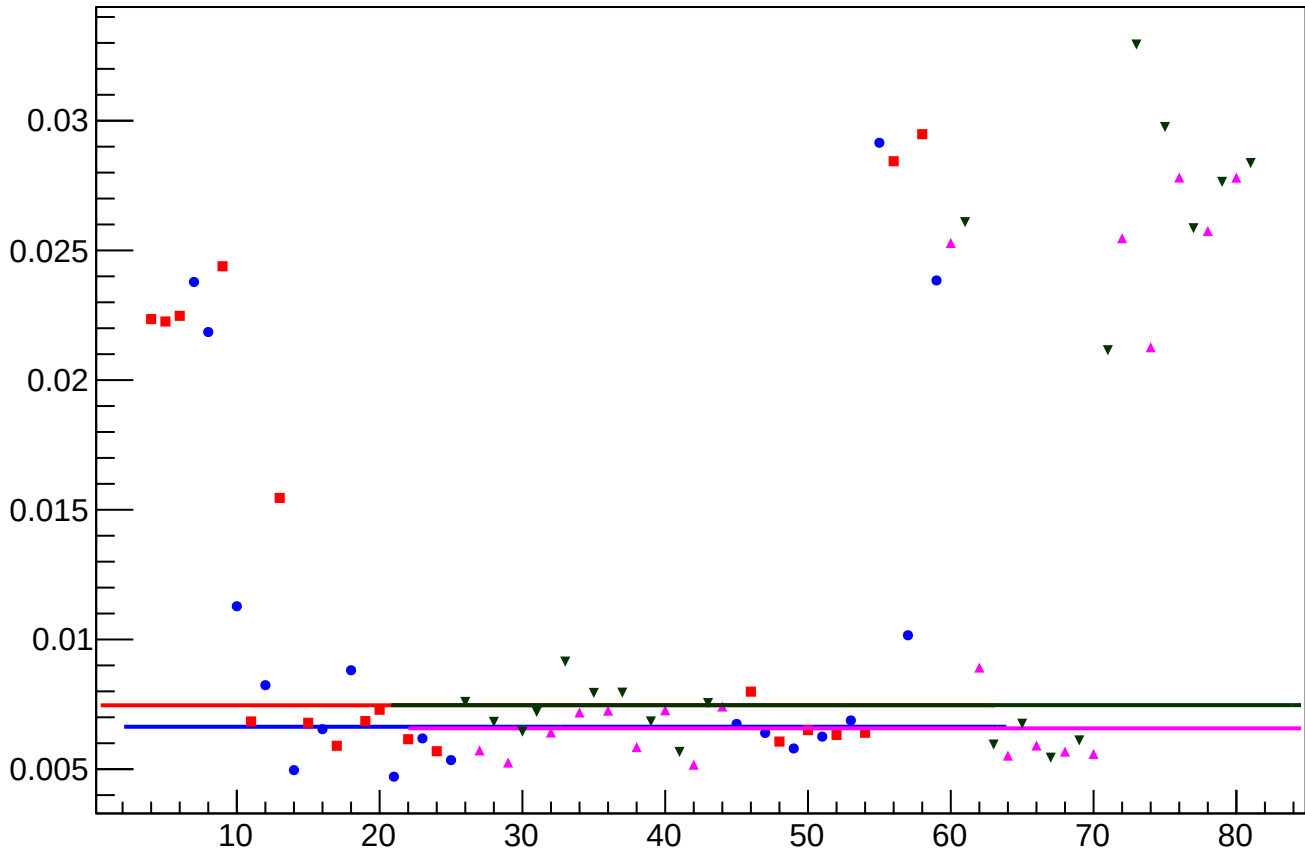
Right Out: -0.739 ± 0.000 χ^2/NDF : 1945829237.2/18

Left In: -0.801 ± 0.000 χ^2/NDF : 943545250.6/19

-0.759 ± 0.000 χ^2/NDF : 3682483549.1/38

-0.776 ± 0.000 χ^2/NDF : 3143853260.3/38

yield_bpm12X_rms vs slug



Right In: 0.007 ± 0.000 χ^2/NDF : 3347518.2/17

Left Out: 0.007 ± 0.000 χ^2/NDF : 3924068.4/20

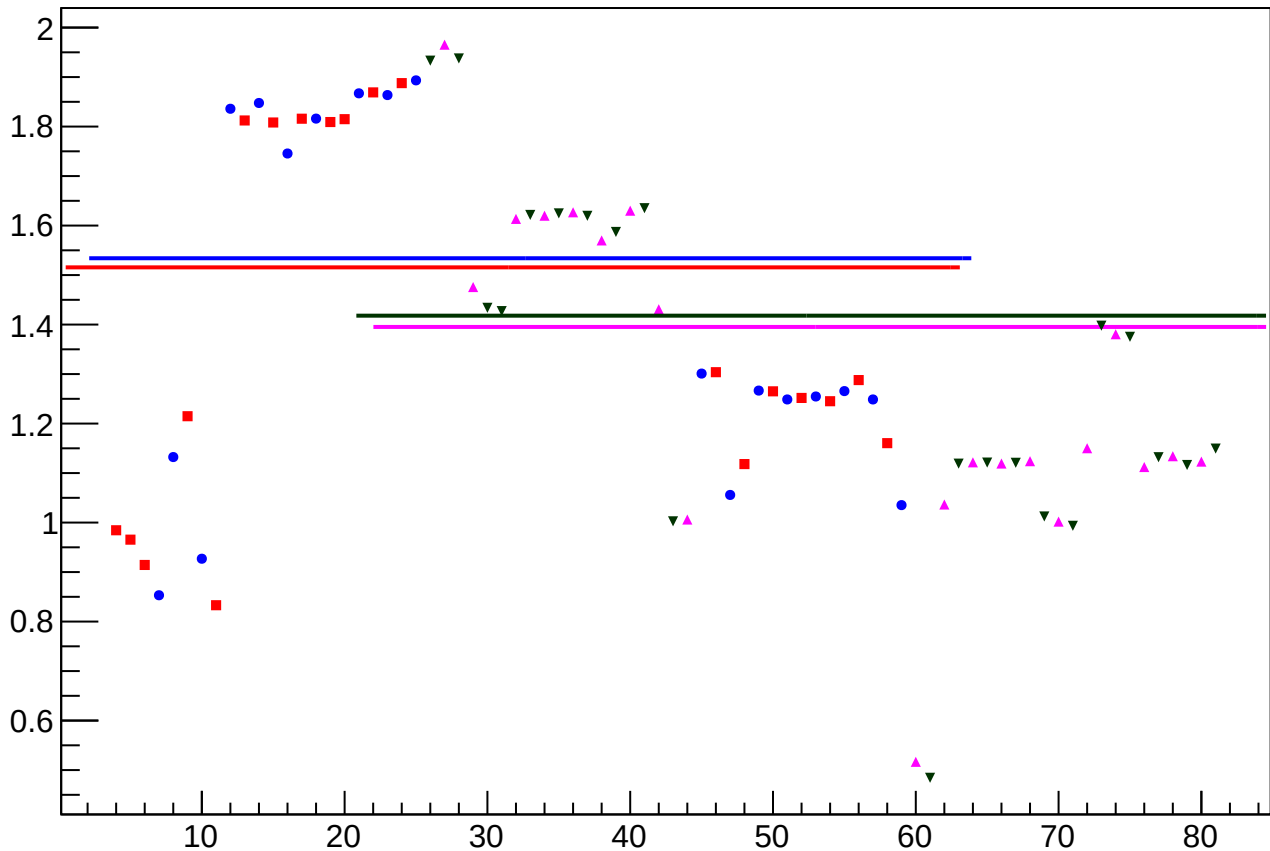
Right Out: 0.007 ± 0.000 χ^2/NDF : 3478880.3/18

Left In: 0.007 ± 0.000 χ^2/NDF : 3531261.8/19

0.007 ± 0.000 χ^2/NDF : 7369049.8/38

0.007 ± 0.000 χ^2/NDF : 7115252.7/38

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 :18360416472.7/20

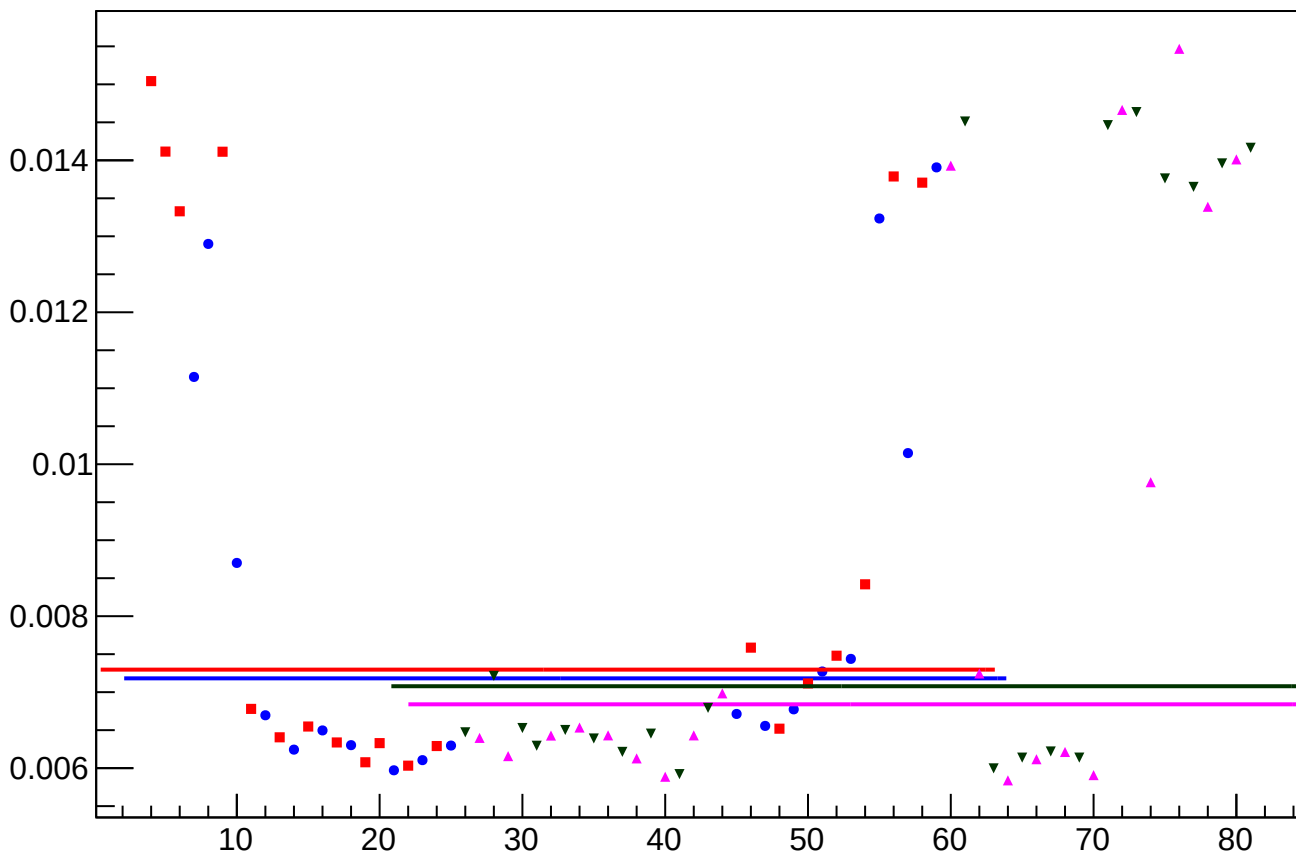
1.477+/-0.000 χ^2/NDF : 42011820461.6/38

Right Out: 1.516+/-0.000 χ^2/NDF : 21754735470.0/18

1.448+/-0.000 χ^2/NDF : 42919531163.3/38

Left In: 1.395+/-0.000 χ^2/NDF :19863952301.3/19

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 : 1894580.7/20

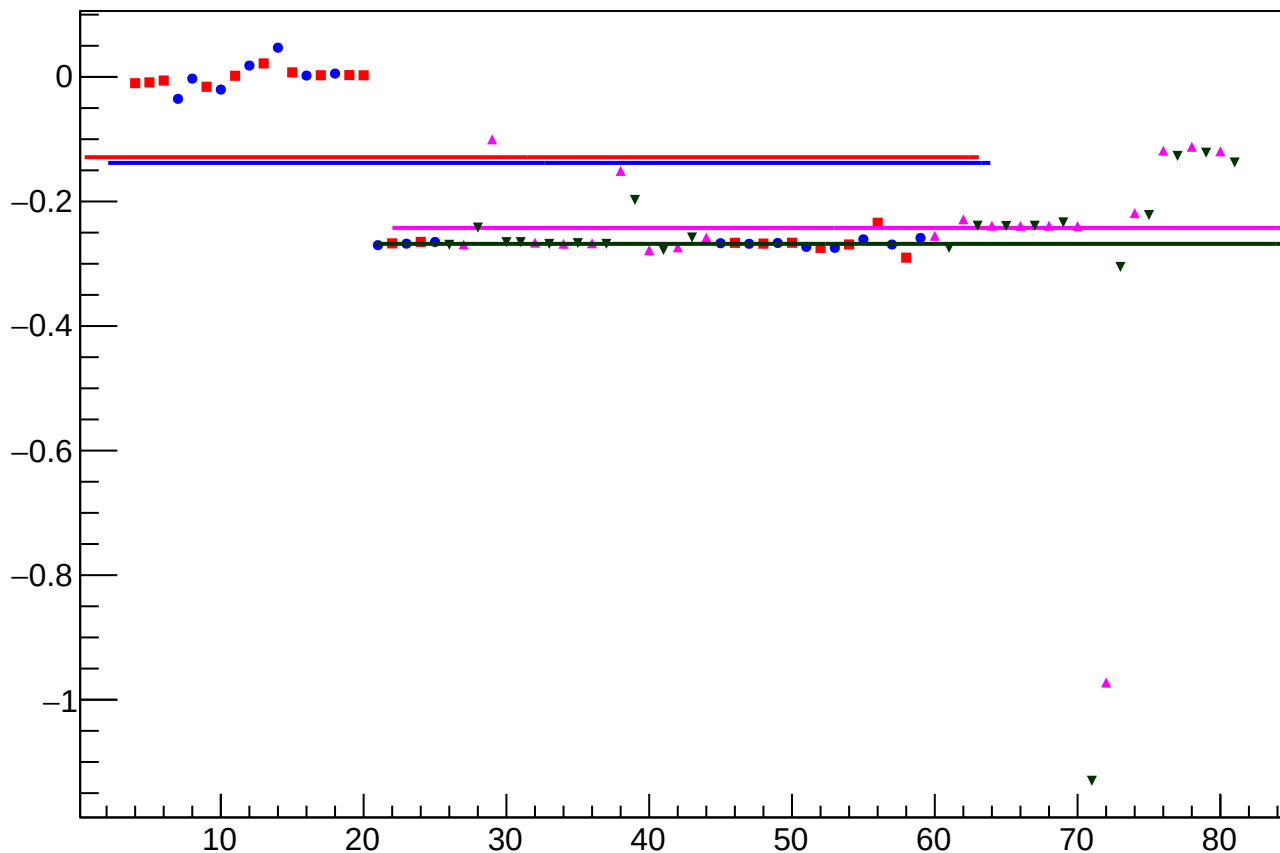
Right Out: 0.007 ± 0.000 χ^2/NDF : 1457854.6/18

Left In: 0.007 ± 0.000 χ^2/NDF : 1576323.6/19

0.007 ± 0.000 χ^2/NDF : 3202125.3/38

0.007 ± 0.000 χ^2/NDF : 3071616.0/38

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 : 6083586028.1/20

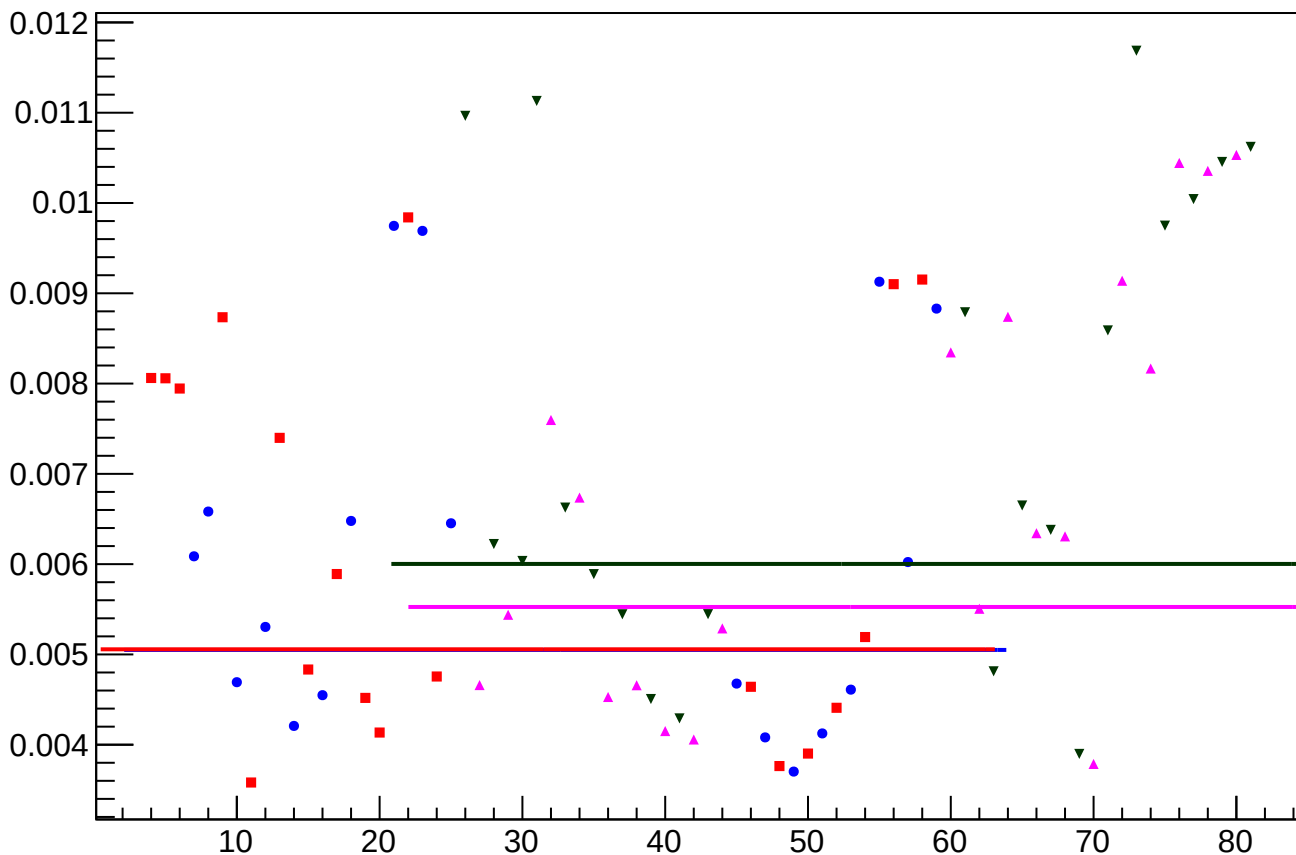
Right Out: -0.129+/-0.000 χ^2/NDF : 5878929515.5/18

Left In: -0.242+/-0.000 χ^2/NDF : 3782841071.2/19

-0.191+/-0.000 χ^2/NDF : 15886335452.4/38

-0.184+/-0.000 χ^2/NDF : 11678380057.1/38

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 :2090275.3/20

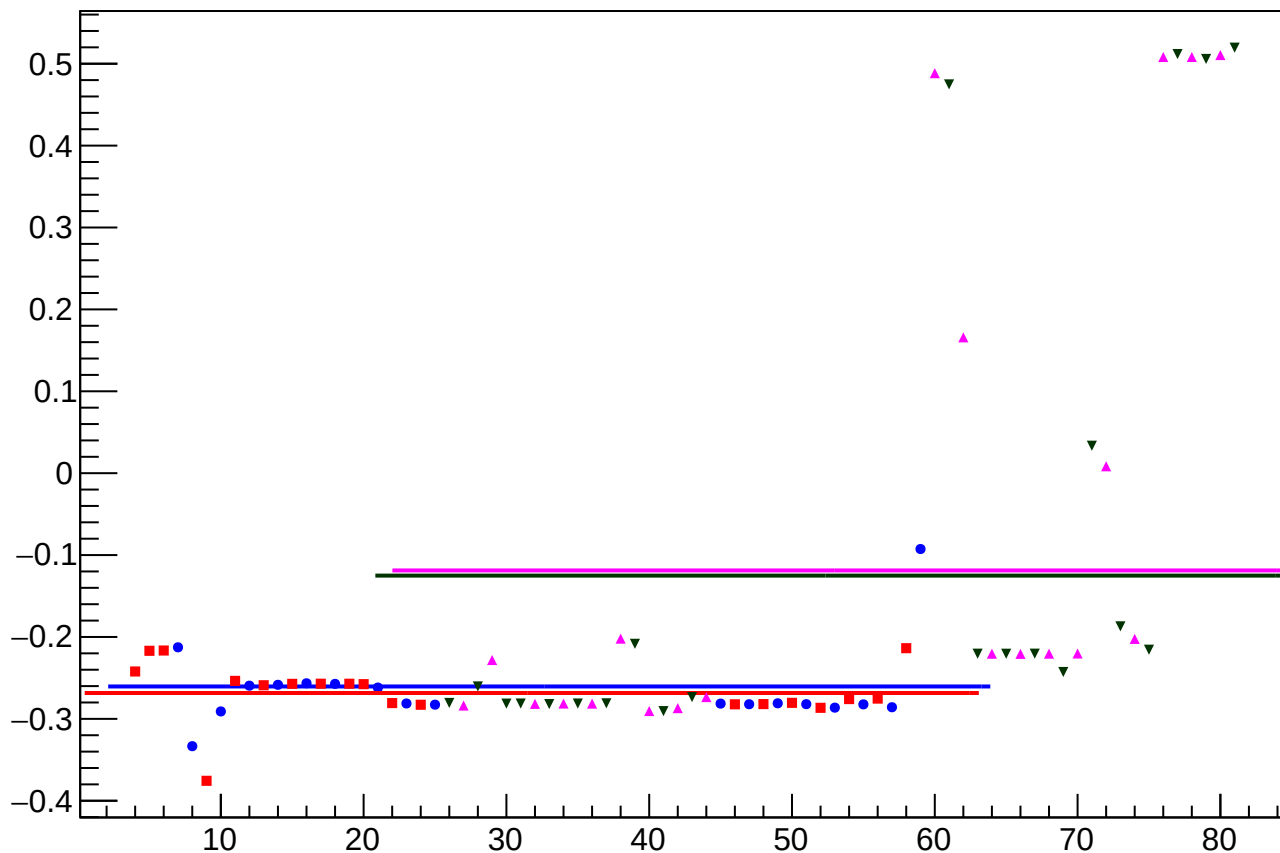
Right Out: 0.005+/-0.000 χ^2/NDF : 1822469.4/18

Left In: 0.006+/-0.000 χ^2/NDF :1877886.5/19

0.005+/-0.000 χ^2/NDF : 4026173.7/38

0.005+/-0.000 χ^2/NDF : 3769239.4/38

yield_bpm16Y_mean vs slug



Right In: -0.260+/-0.000 χ^2/NDF : 6878369368.1/17

Left Out: -0.125+/-0.000 χ^2/NDF : 95895857204.7/20

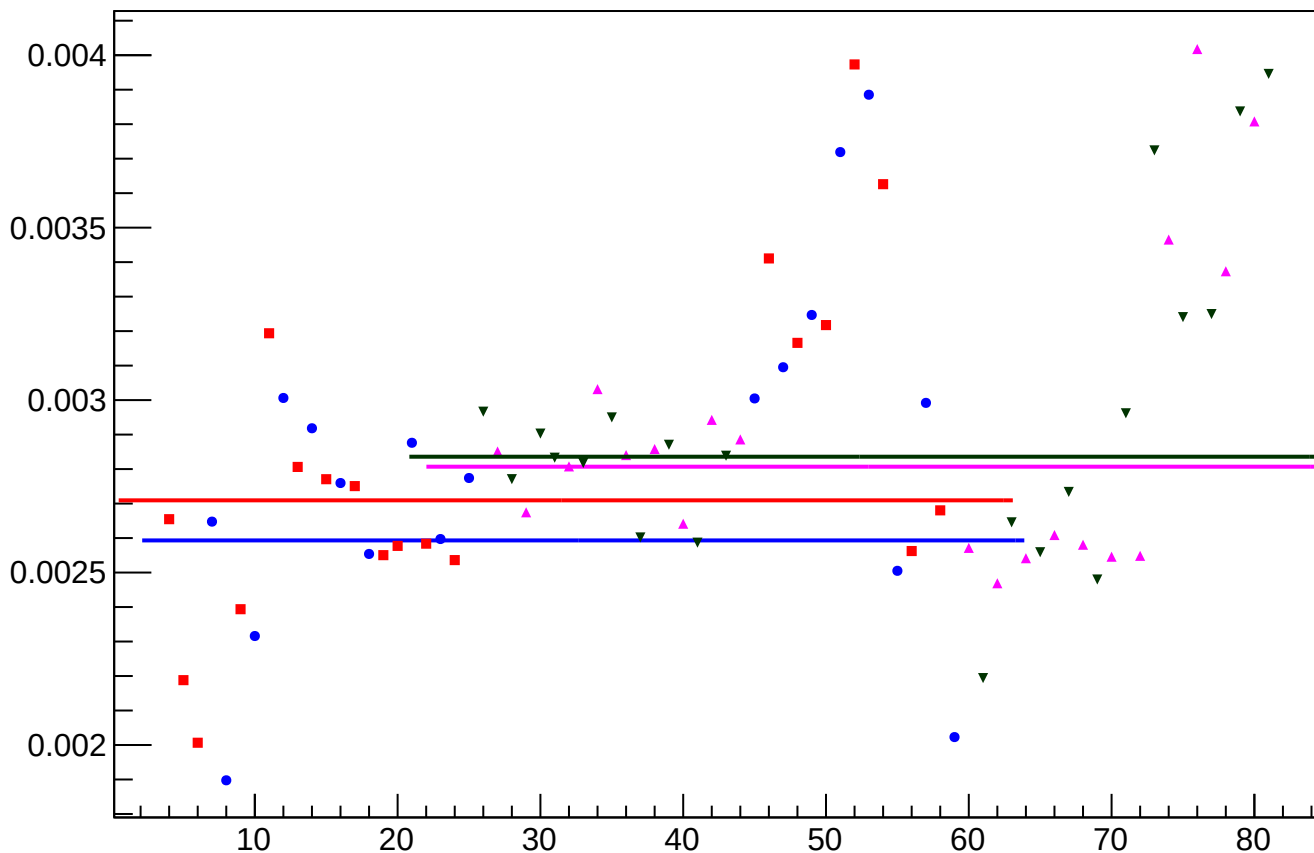
Right Out: -0.268+/-0.000 χ^2/NDF : 2185355194.4/18

Left In: -0.119+/-0.000 χ^2/NDF : 92793275521.2/19

-0.199+/-0.000 χ^2/NDF : 115715640059.9/38

-0.192+/-0.000 χ^2/NDF : 109657917588.8/38

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 : 370185.9/20

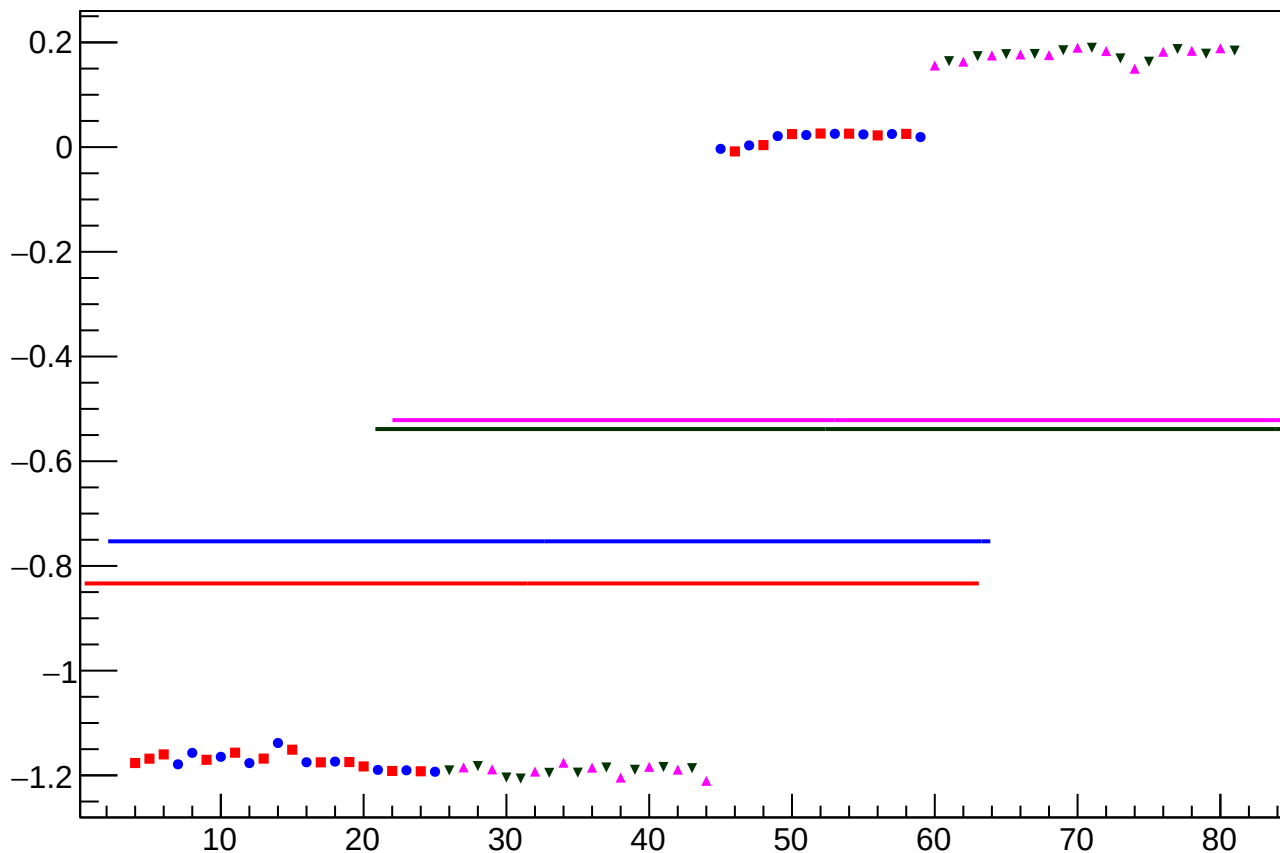
Right Out: 0.003+/-0.000 χ^2/NDF : 476230.4/18

Left In: 0.003+/-0.000 χ^2/NDF : 310748.2/19

0.003+/-0.000 χ^2/NDF : 1227487.7/38

0.003+/-0.000 χ^2/NDF : 799458.3/38

yield_bpm2i01X_mean vs slug



Right In: -0.753+/-0.000 χ^2/NDF : 63524502695.2/17

Left Out: -0.539+/-0.000 χ^2/NDF : 72309437922.3/20

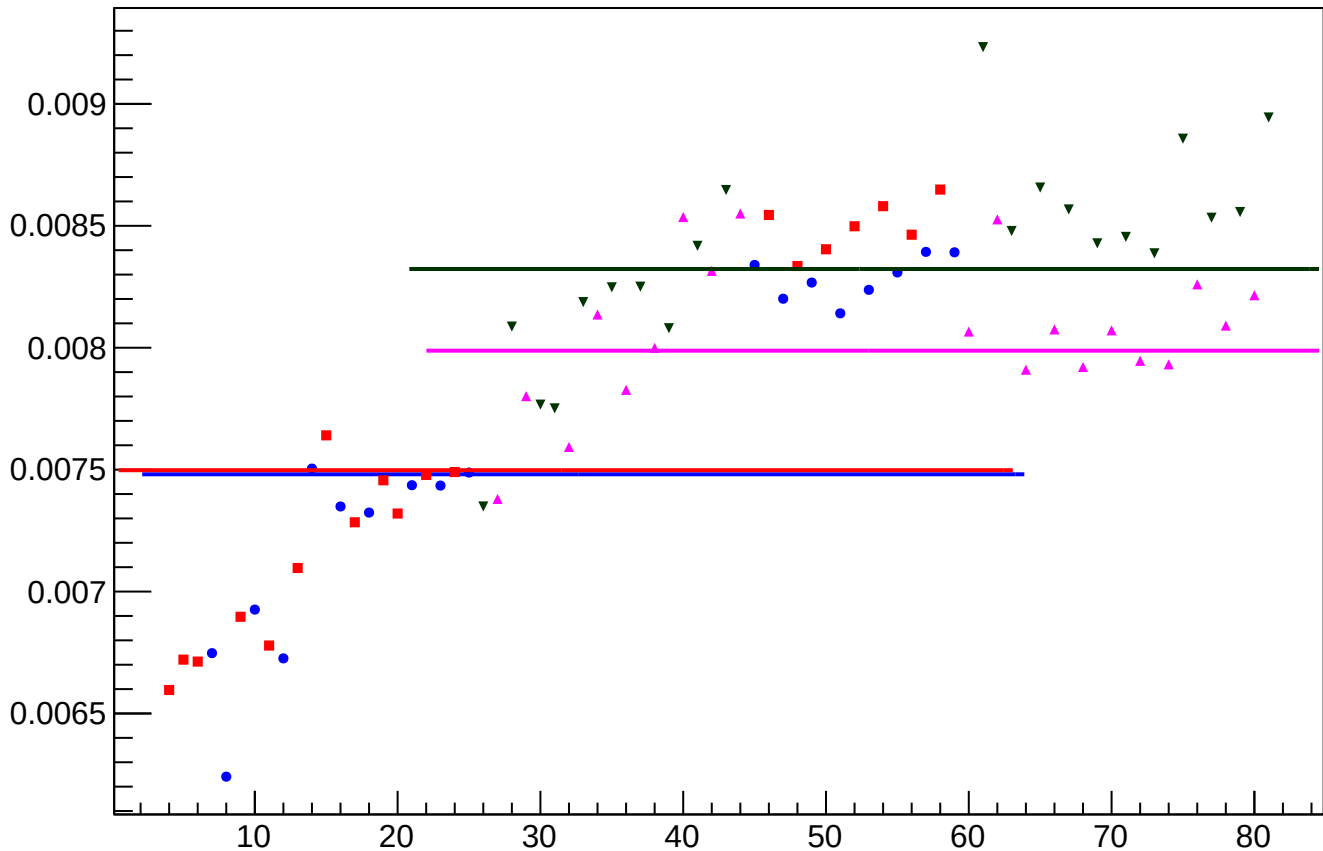
Right Out: -0.833+/-0.000 χ^2/NDF : 50332816661.3/18

Left In: -0.521+/-0.000 χ^2/NDF : 80904248488.9/19

-0.659+/-0.000 χ^2/NDF : 139828147624.9/38

-0.678+/-0.000 χ^2/NDF : 139727255451.0/38

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 : 51439.0/20

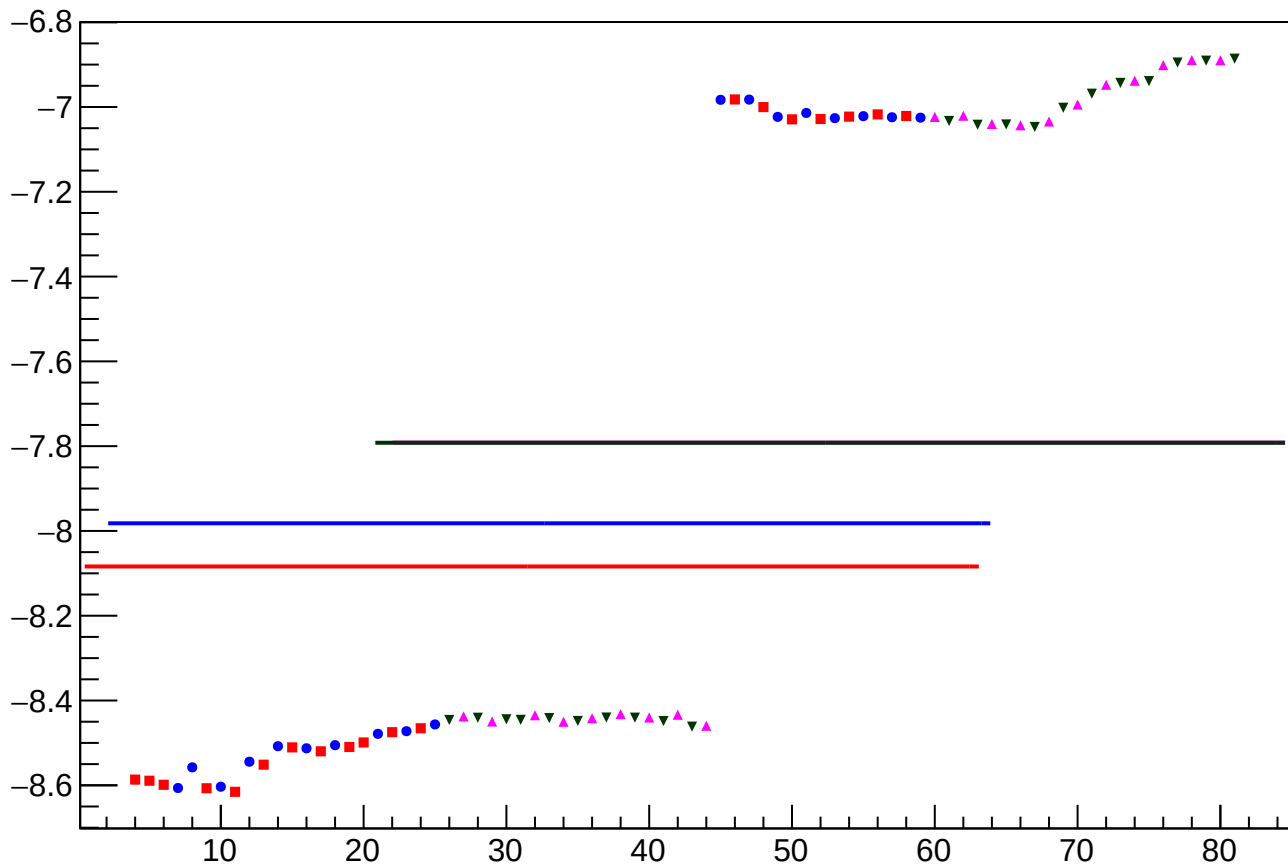
Right Out: 0.007+/-0.000 χ^2/NDF : 167417.2/18

Left In: 0.008+/-0.000 χ^2/NDF : 34221.3/19

0.008+/-0.000 χ^2/NDF : 370677.7/38

0.008+/-0.000 χ^2/NDF : 243571.2/38

yield_bpm2i01Y_mean vs slug



Right In: -7.982+/-0.000 χ^2/NDF : 116524136897.0/17

Left Out: -7.792+/-0.000 χ^2/NDF : 100292077170.9/20

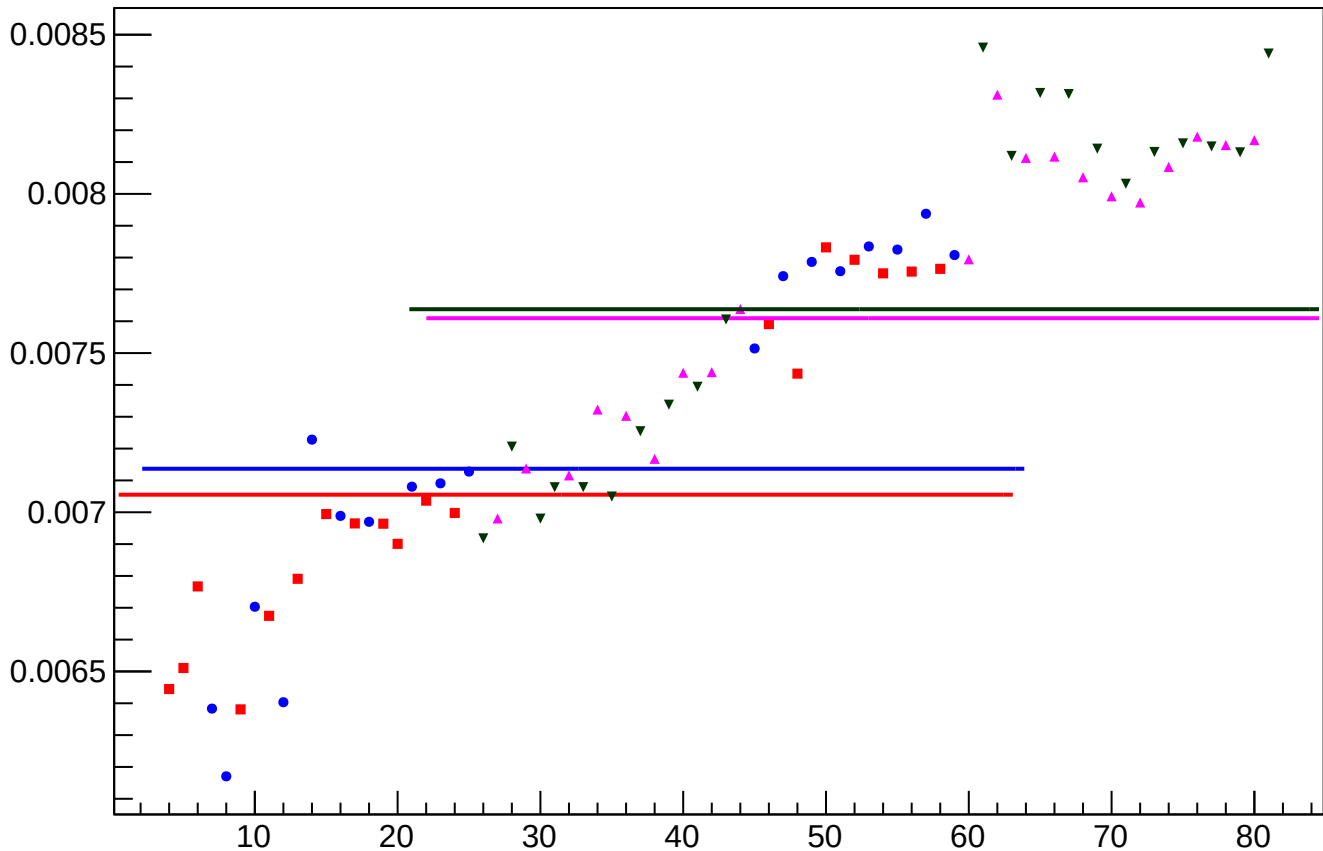
Right Out: -8.084+/-0.000 χ^2/NDF : 99506540389.5/18

Left In: -7.792+/-0.000 χ^2/NDF : 102970617431.0/19

-7.895+/-0.000 χ^2/NDF : 220449973426.1/38

-7.940+/-0.000 χ^2/NDF : 210864340984.4/38

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 :106318.7/20

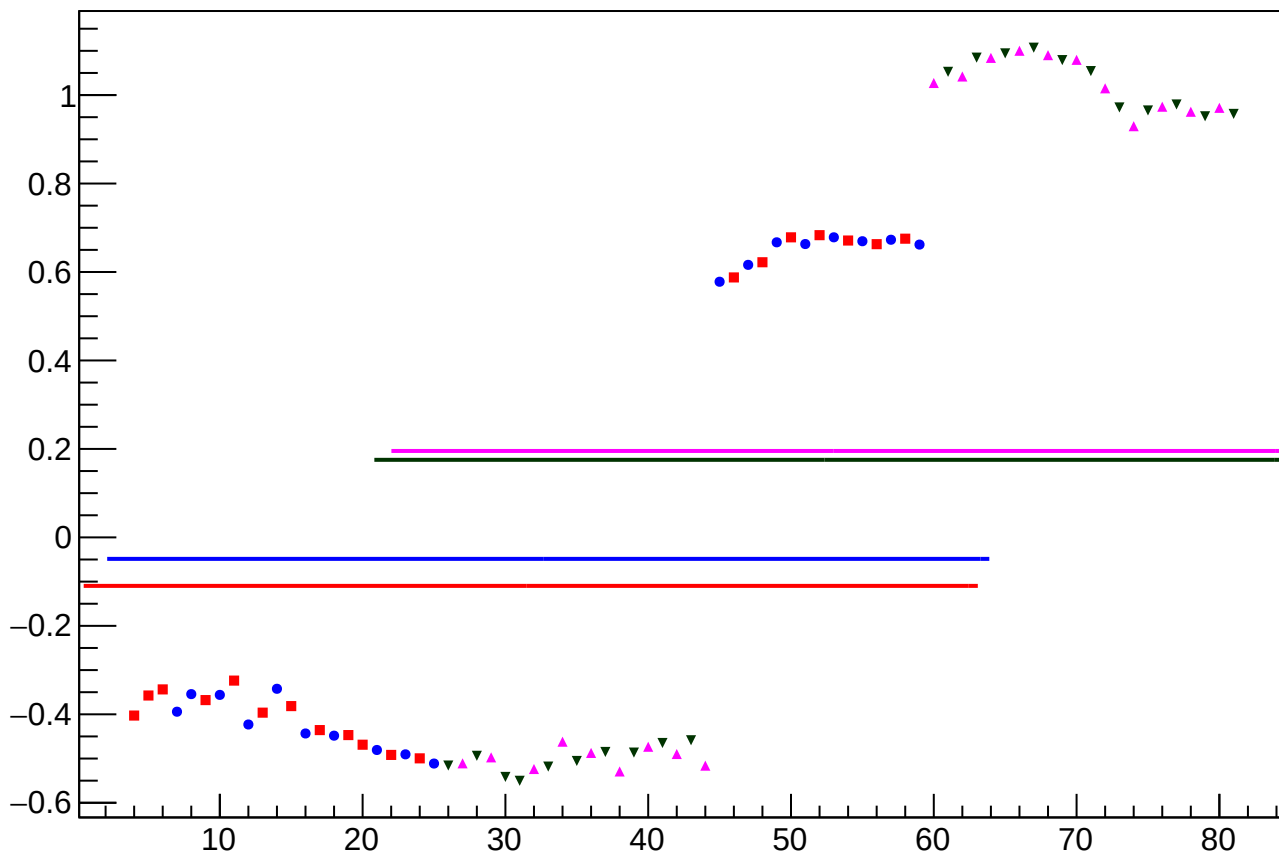
Right Out: 0.007+/-0.000 χ^2/NDF : 88863.4/18

Left In: 0.008+/-0.000 χ^2/NDF :79284.5/19

0.007+/-0.000 χ^2/NDF : 298271.8/38

0.007+/-0.000 χ^2/NDF : 228482.1/38

yield_bpm2i02X_mean vs slug



Right In: -0.049+/-0.000 χ^2/NDF : 7806391272.8/17

Left Out: 0.175+/-0.000 χ^2/NDF :13275920097.5/20

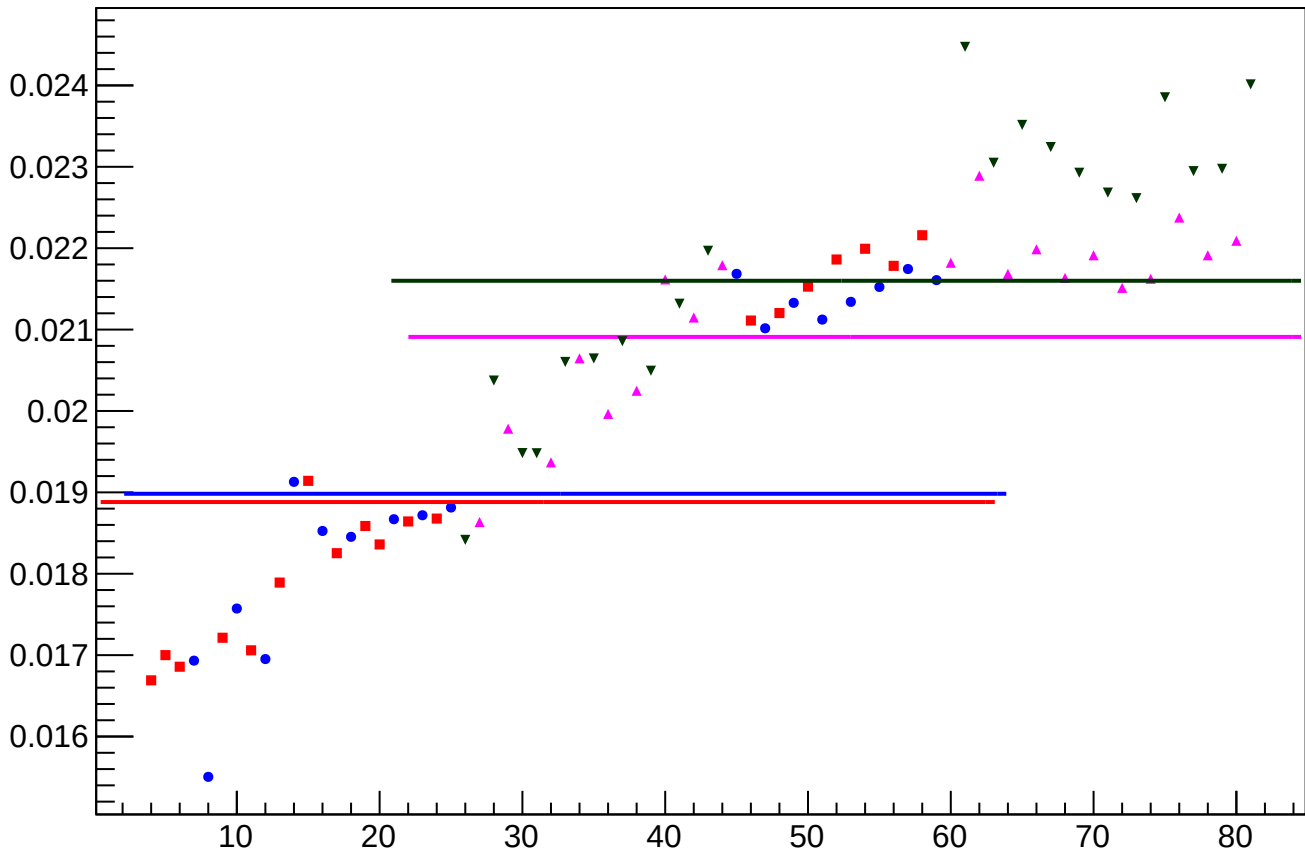
Right Out: -0.110+/-0.000 χ^2/NDF : 6259069670.0/18

Left In: 0.195+/-0.000 χ^2/NDF :14737113002.4/19

0.047+/-0.000 χ^2/NDF : 21740890550.6/38

0.036+/-0.000 χ^2/NDF : 22225931093.6/38

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 : 126071.0/20

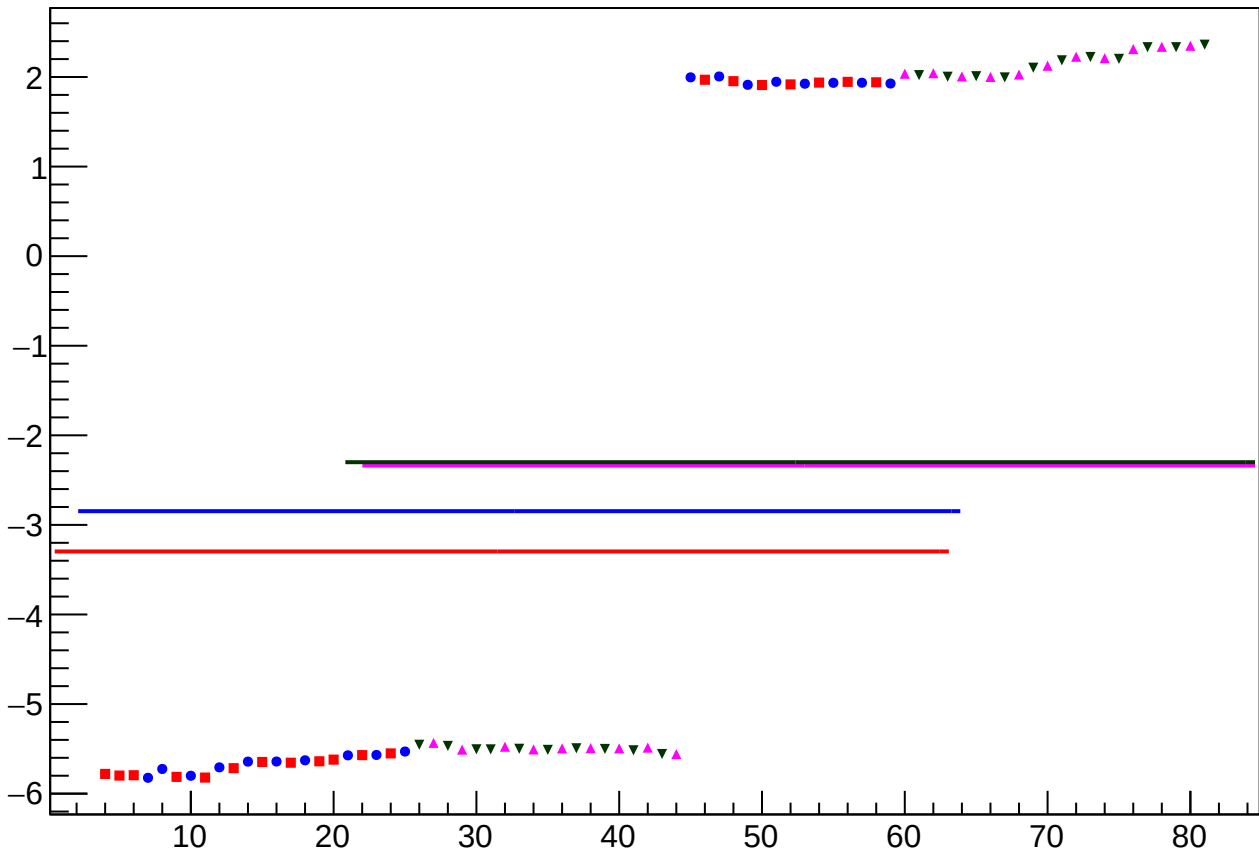
0.020 ± 0.000 χ^2/NDF : 560891.4/38

Right Out: 0.019 ± 0.000 χ^2/NDF : 190553.3/18

0.020 ± 0.000 χ^2/NDF : 375014.0/38

Left In: 0.021 ± 0.000 χ^2/NDF : 75652.3/19

yield_bpm2i02Y_mean vs slug



Right In: -2.847+/-0.000 χ^2/NDF : 988085675921.2/17

Left Out: -2.300+/-0.000 χ^2/NDF : 910989587007.9/20

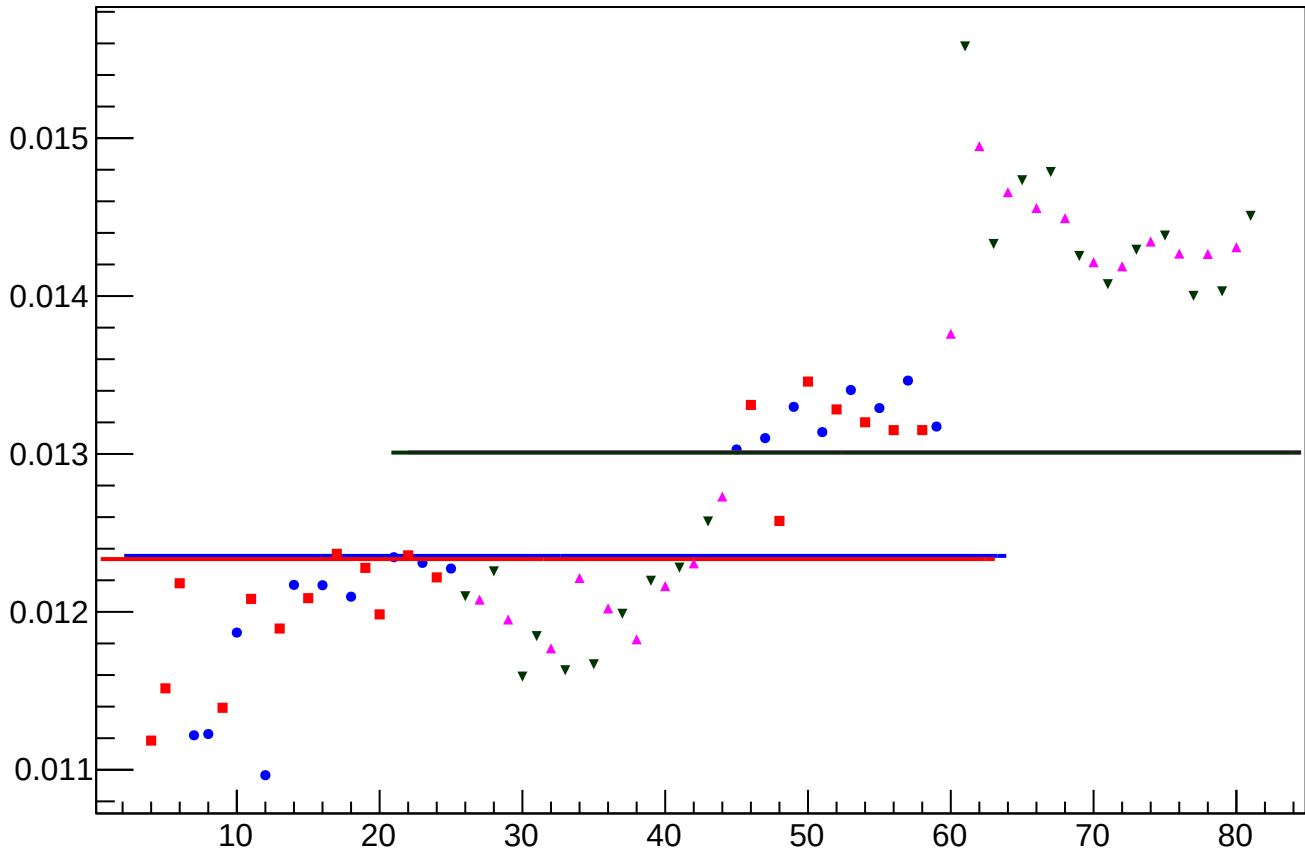
-2.592+/-0.000 χ^2/NDF : 1909240579415.0/38

Right Out: -3.297+/-0.000 χ^2/NDF : 819050975647.4/18

-2.814+/-0.000 χ^2/NDF : 1780584018462.7/38

Left In: -2.338+/-0.000 χ^2/NDF : 931511726682.3/19

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 :192368.5/20

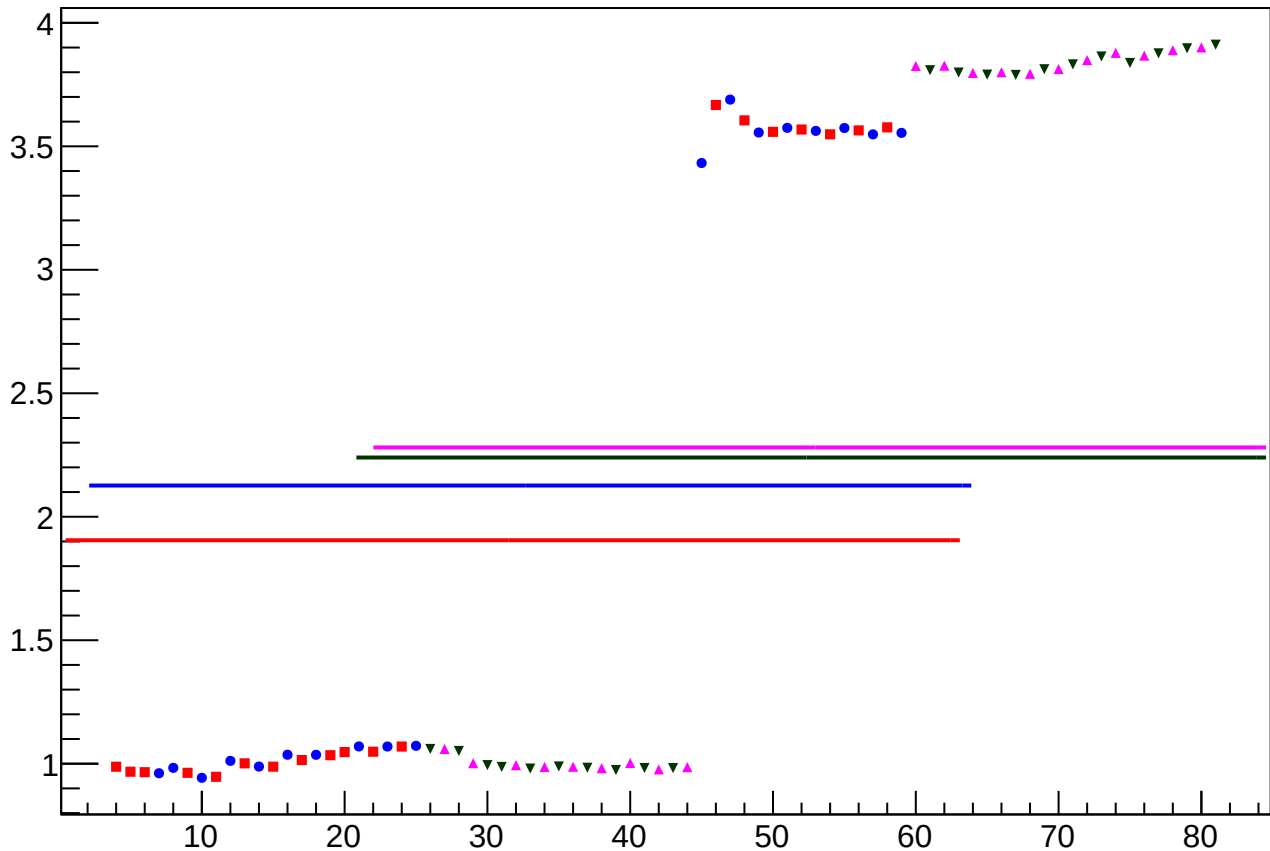
Right Out: 0.012+/-0.000 χ^2/NDF : 54886.5/18

Left In: 0.013+/-0.000 χ^2/NDF :175101.1/19

0.013+/-0.000 χ^2/NDF : 311324.6/38

0.013+/-0.000 χ^2/NDF : 259853.1/38

yield_bpm1i04X_mean vs slug



Right In: 2.126+/-0.000 χ^2/NDF : 292632575878.4/17

Left Out: 2.240+/-0.000 χ^2/NDF : 335709249302.4/20

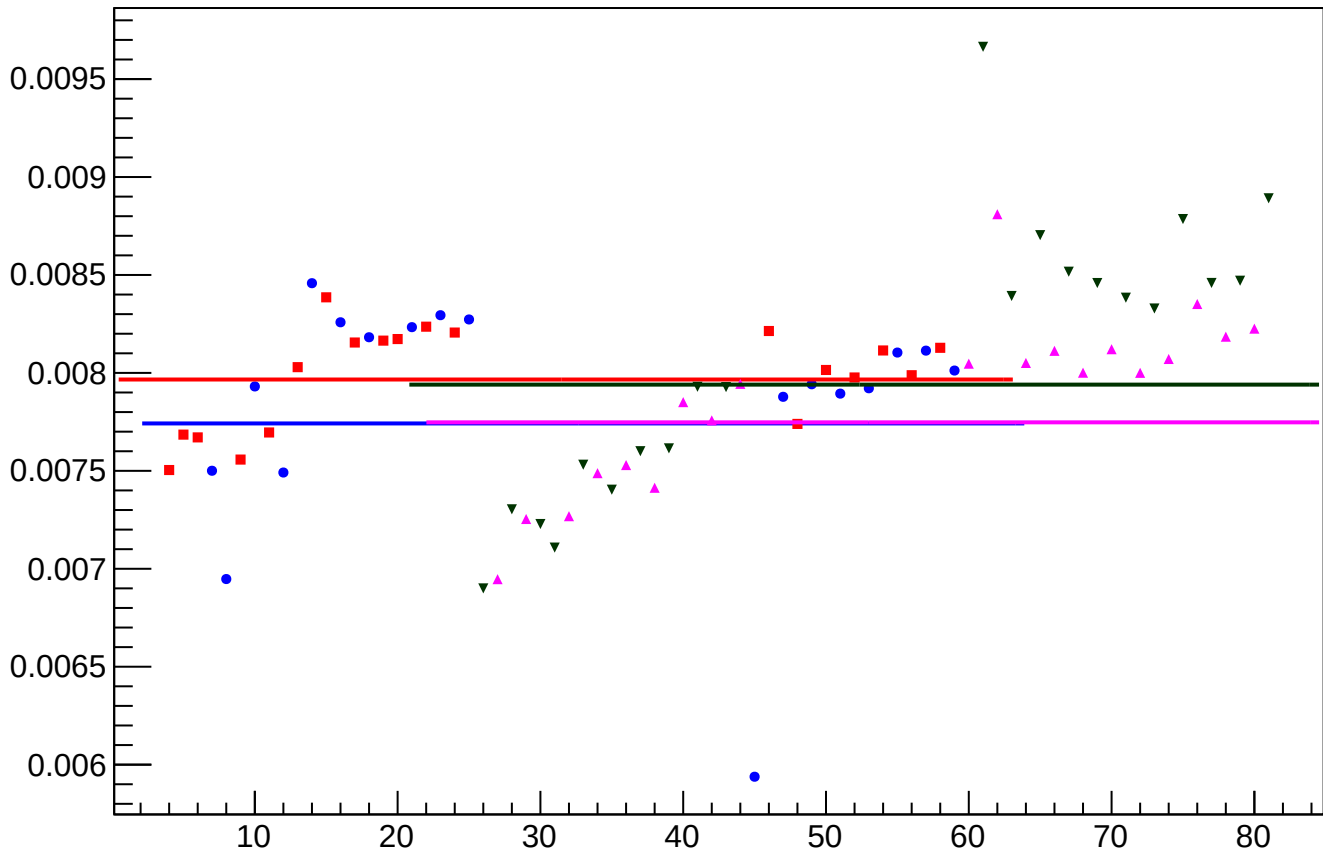
Right Out: 1.905+/-0.000 χ^2/NDF : 236022966001.2/18

Left In: 2.281+/-0.000 χ^2/NDF : 366901374944.2/19

2.181+/-0.000 χ^2/NDF : 629476818845.2/38

2.109+/-0.000 χ^2/NDF : 614822571424.8/38

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:143095.1/20

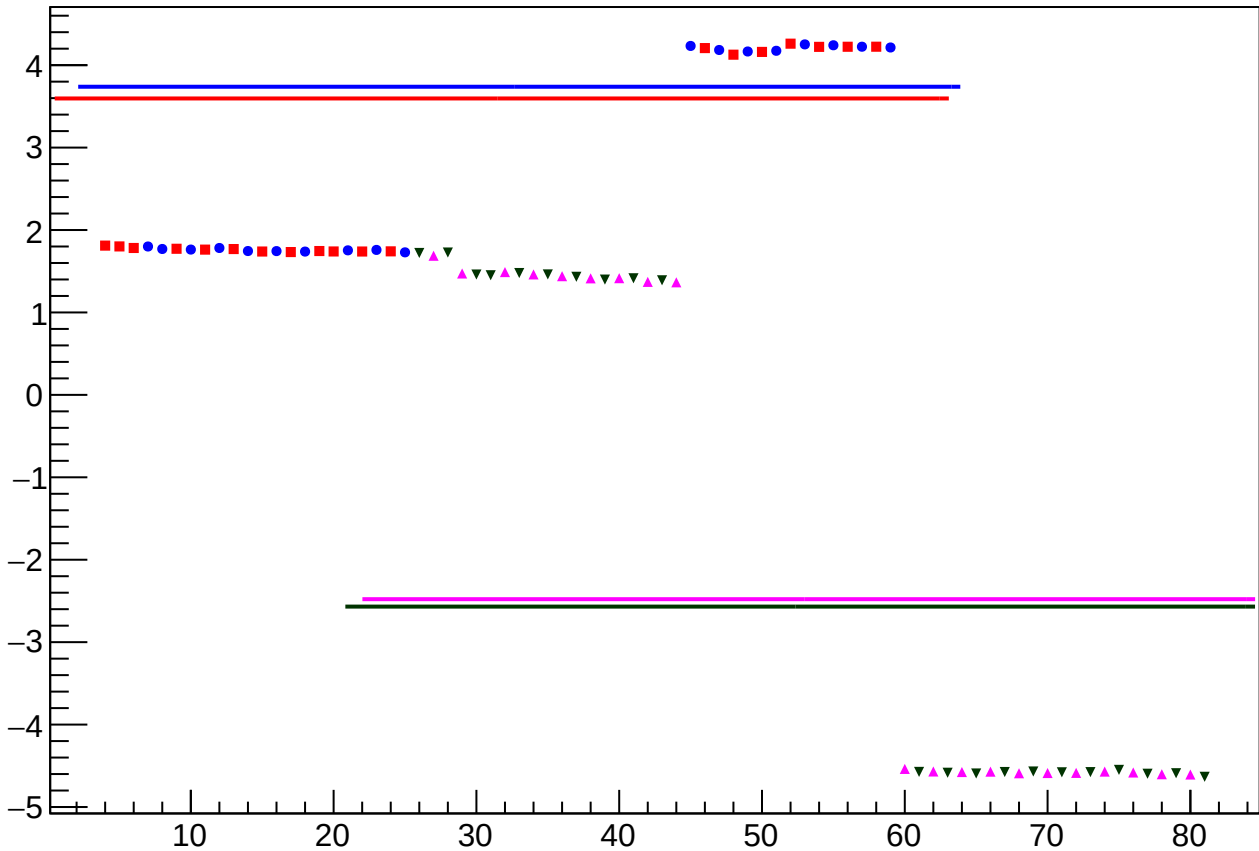
Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 20073.5/18

Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:78389.7/19

0.008 $\pm$ 0.000 χ^2 /NDF: 328934.0/38

0.008 $\pm$ 0.000 χ^2 /NDF: 106517.8/38

yield_bpm1i04Y_mean vs slug



Right In: 3.738+/-0.000 χ^2/NDF : 502669373965.6/17

Left Out: -2.569+/-0.000 χ^2/NDF : 3867044189946.7/20

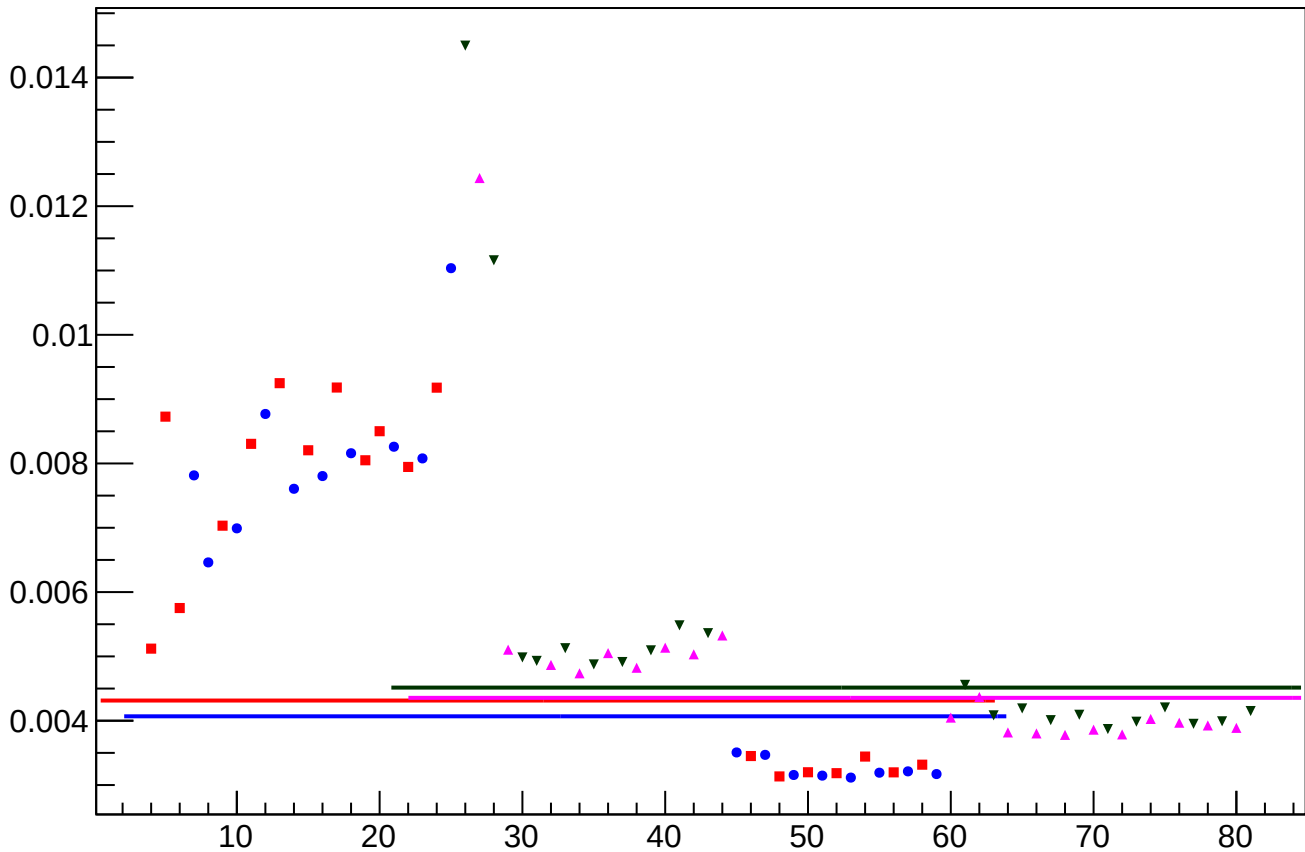
Right Out: 3.596+/-0.000 χ^2/NDF : 468031292414.6/18

Left In: -2.479+/-0.000 χ^2/NDF : 4441467241584.9/19

0.777+/-0.000 χ^2/NDF : 14443860030848.5/38

0.185+/-0.000 χ^2/NDF : 13624955775031.9/38

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 :1151103.3/20

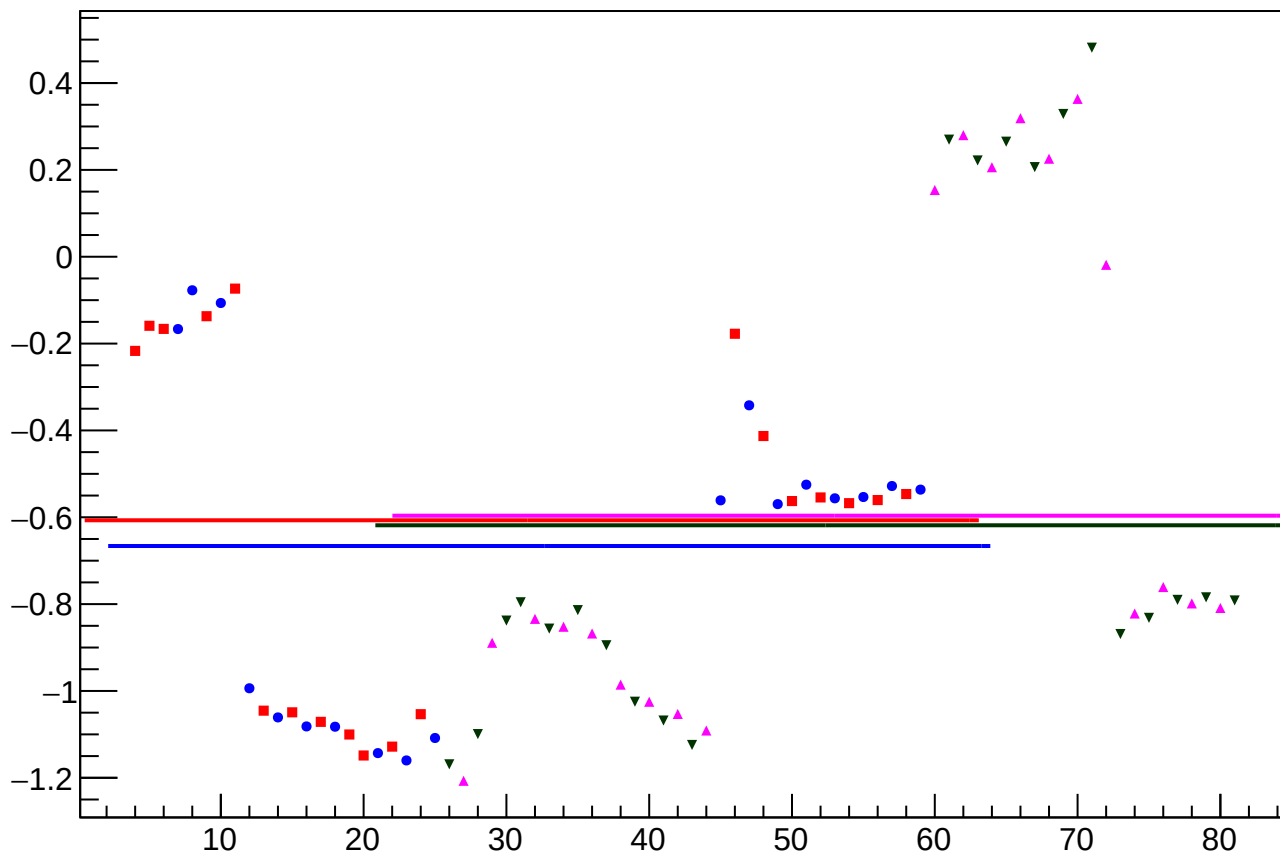
0.004+/-0.000 χ^2/NDF : 4653851.6/38

Right Out: 0.004+/-0.000 χ^2/NDF : 3241260.9/18

0.004+/-0.000 χ^2/NDF : 4159882.4/38

Left In: 0.004+/-0.000 χ^2/NDF :917794.6/19

yield_bpm0l01X_mean vs slug



Right In: -0.666+/-0.000 χ^2/NDF : 19135534349.5/17

Left Out: -0.618+/-0.000 χ^2/NDF : 40243002683.7/20

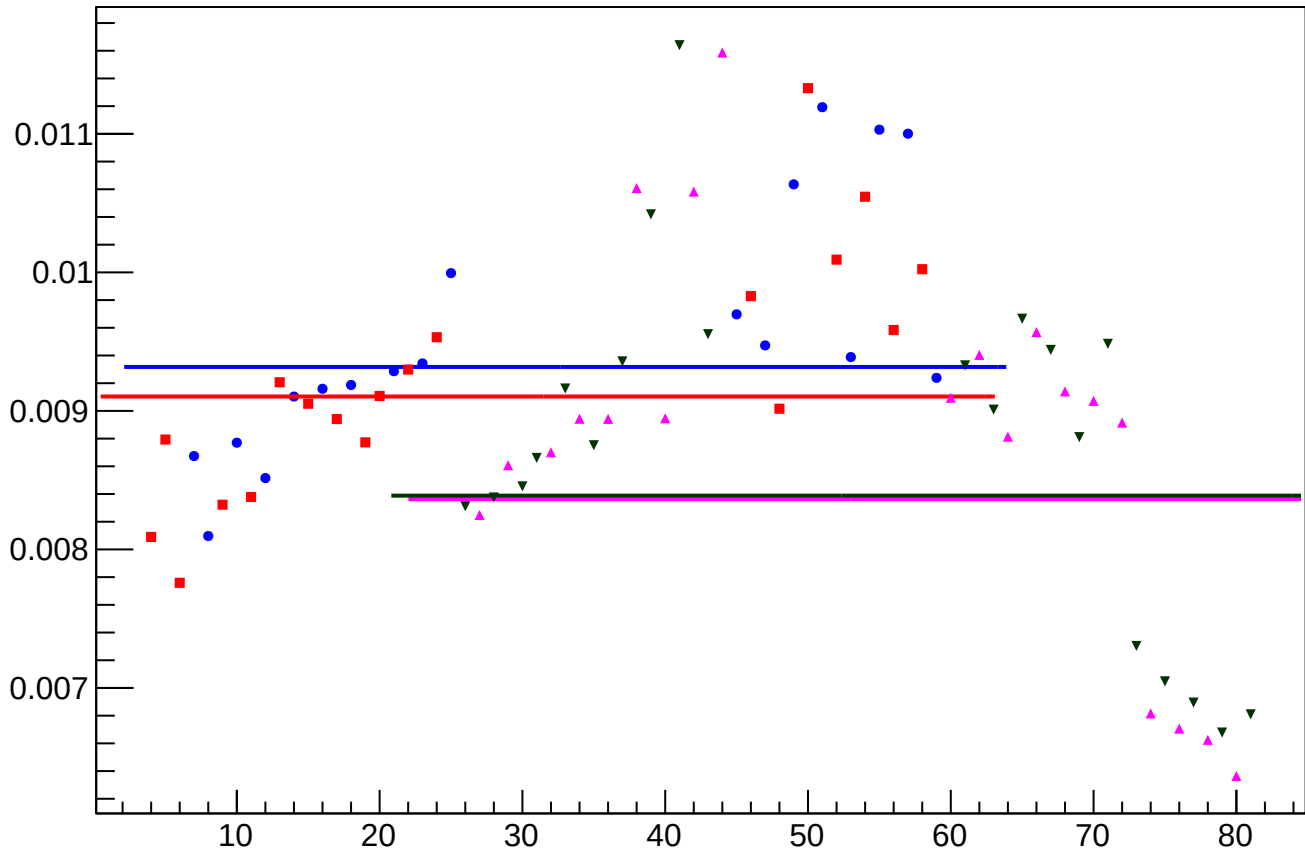
Right Out: -0.607+/-0.000 χ^2/NDF : 19217252419.4/18

Left In: -0.596+/-0.000 χ^2/NDF : 41102714930.9/19

-0.640+/-0.000 χ^2/NDF : 59533672580.3/38

-0.601+/-0.000 χ^2/NDF : 60327371150.8/38

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 : 455842.3/20

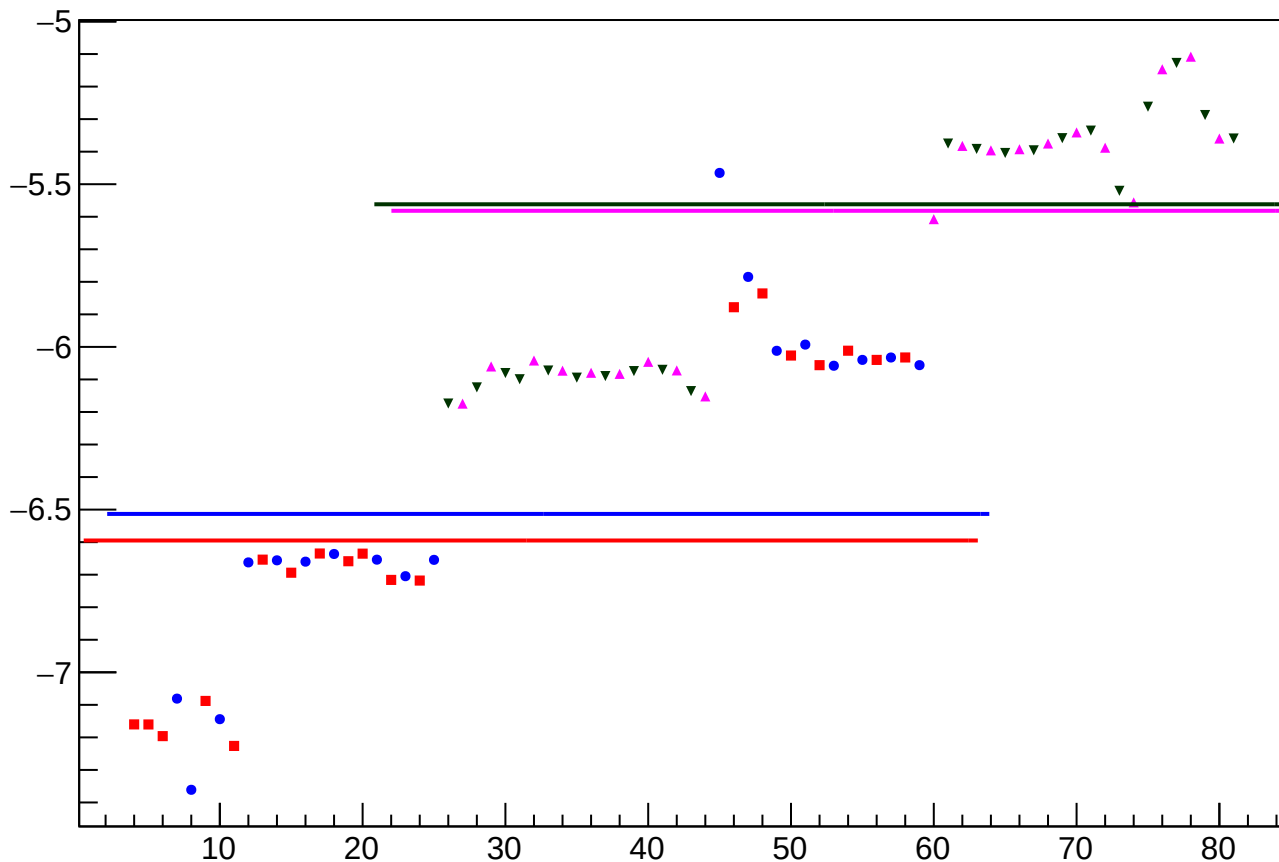
Right Out: 0.009+/-0.000 χ^2/NDF : 159092.9/18

Left In: 0.008+/-0.000 χ^2/NDF : 527293.2/19

0.009+/-0.000 χ^2/NDF : 739188.0/38

0.009+/-0.000 χ^2/NDF : 759316.2/38

yield_bpm0l01Y_mean vs slug



Right In: -6.513+/-0.000 χ^2/NDF : 34103178286.6/17

Left Out: -5.562+/-0.000 χ^2/NDF : 23031525832.8/20

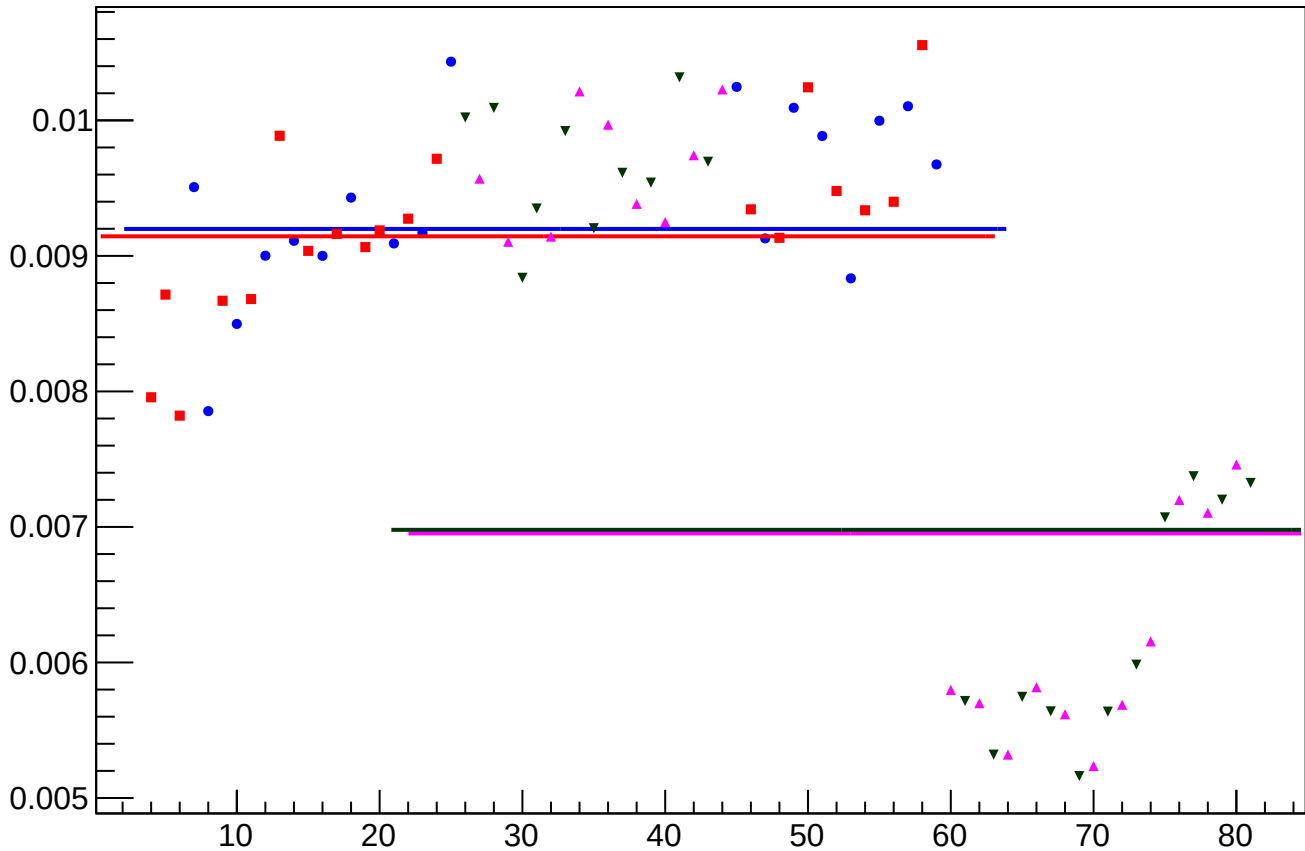
-5.930+/-0.000 χ^2/NDF : 128210762048.8/38

Right Out: -6.595+/-0.000 χ^2/NDF : 25777696502.6/18

-5.934+/-0.000 χ^2/NDF : 125915629490.8/38

Left In: -5.582+/-0.000 χ^2/NDF : 23965025592.7/19

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 : 1258389.3/20

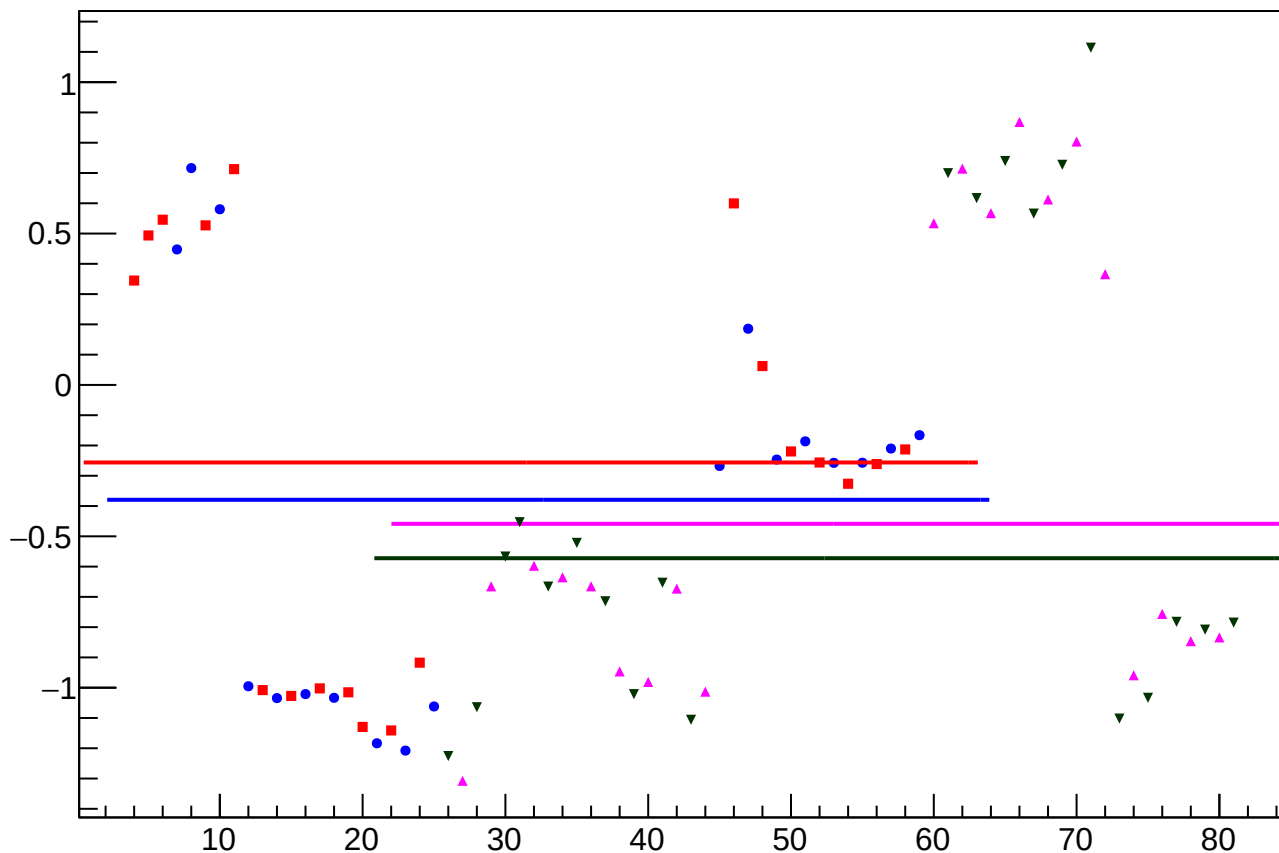
Right Out: 0.009 ± 0.000 χ^2/NDF : 101222.8/18

Left In: 0.007 ± 0.000 χ^2/NDF : 1272676.2/19

0.008 ± 0.000 χ^2/NDF : 2152709.2/38

0.008 ± 0.000 χ^2/NDF : 2086938.6/38

yield_bpm0l02X_mean vs slug



Right In: -0.379 ± 0.000 χ^2/NDF : 10136750548.1/17

Left Out: -0.572 ± 0.000 χ^2/NDF : 23281758778.8/20

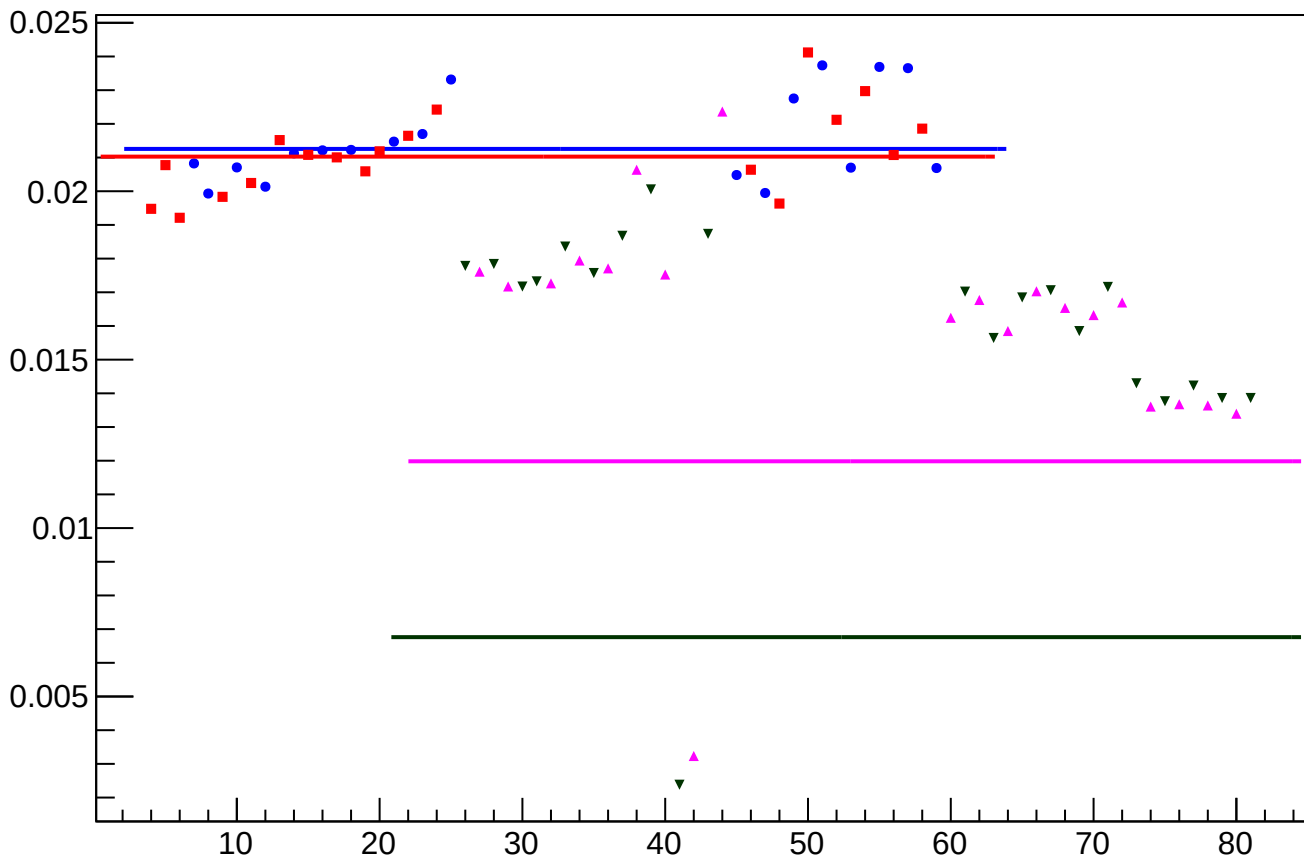
Right Out: -0.256 ± 0.000 χ^2/NDF : 10103342122.6/18

Left In: -0.459 ± 0.000 χ^2/NDF : 21800281389.6/19

-0.540 ± 0.000 χ^2/NDF : 34174066080.7/38

-0.403 ± 0.000 χ^2/NDF : 32561300654.4/38

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 : 10263654.2/20

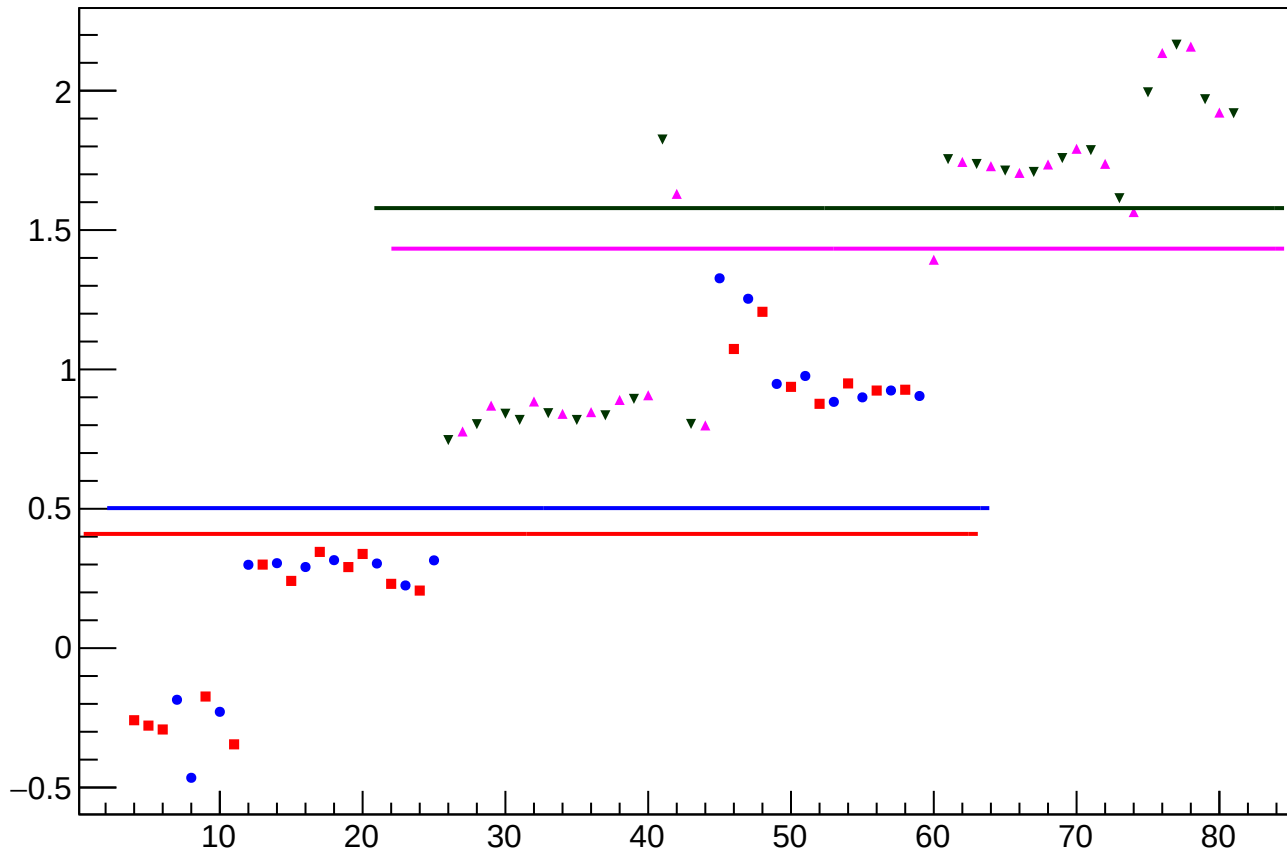
Right Out: 0.021+/-0.000 χ^2/NDF : 62886.6/18

Left In: 0.012+/-0.000 χ^2/NDF : 4729255.4/19

0.009+/-0.000 χ^2/NDF : 18850529.6/38

0.014+/-0.000 χ^2/NDF : 7414071.7/38

yield_bpm0l02Y_mean vs slug



Right In: 0.502 $\pm$ 0.000 χ^2/NDF : 19155654908.3/17

Left Out: 1.579 $\pm$ 0.000 χ^2/NDF : 26179950117.7/20

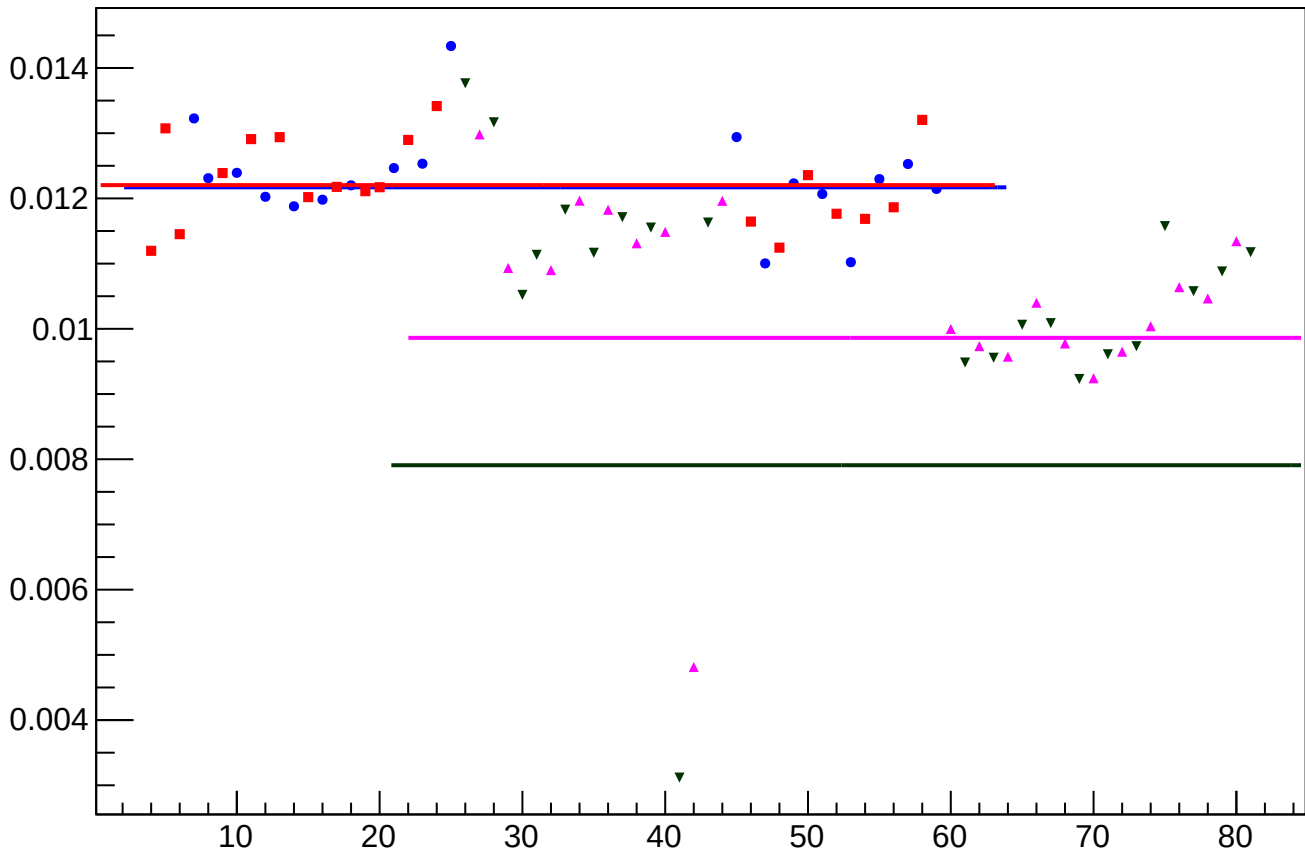
1.204 $\pm$ 0.000 χ^2/NDF : 101135647699.8/38

Right Out: 0.410 $\pm$ 0.000 χ^2/NDF : 16439315084.0/18

1.047 $\pm$ 0.000 χ^2/NDF : 80433216935.9/38

Left In: 1.433 $\pm$ 0.000 χ^2/NDF : 21828062181.8/19

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: 3926947.6/20

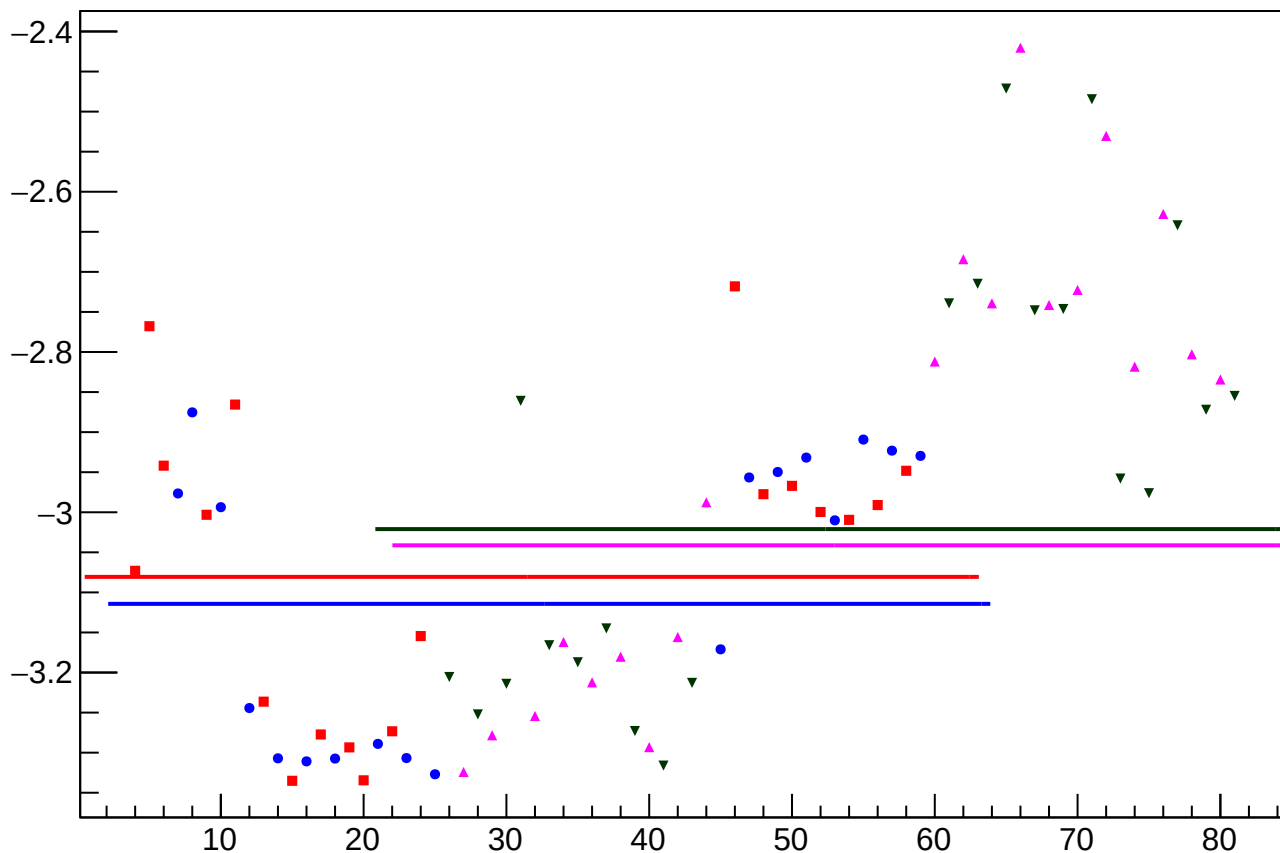
0.009 $\pm$ 0.000 χ^2 /NDF: 5721873.8/38

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 53181.0/18

0.011 $\pm$ 0.000 χ^2 /NDF: 1513383.2/38

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1018641.1/19

yield_bpm0l03X_mean vs slug



Right In: -3.114+/-0.000 χ^2/NDF : 4627659924.1/17

Left Out: -3.021+/-0.000 χ^2/NDF : 11588366757.9/20

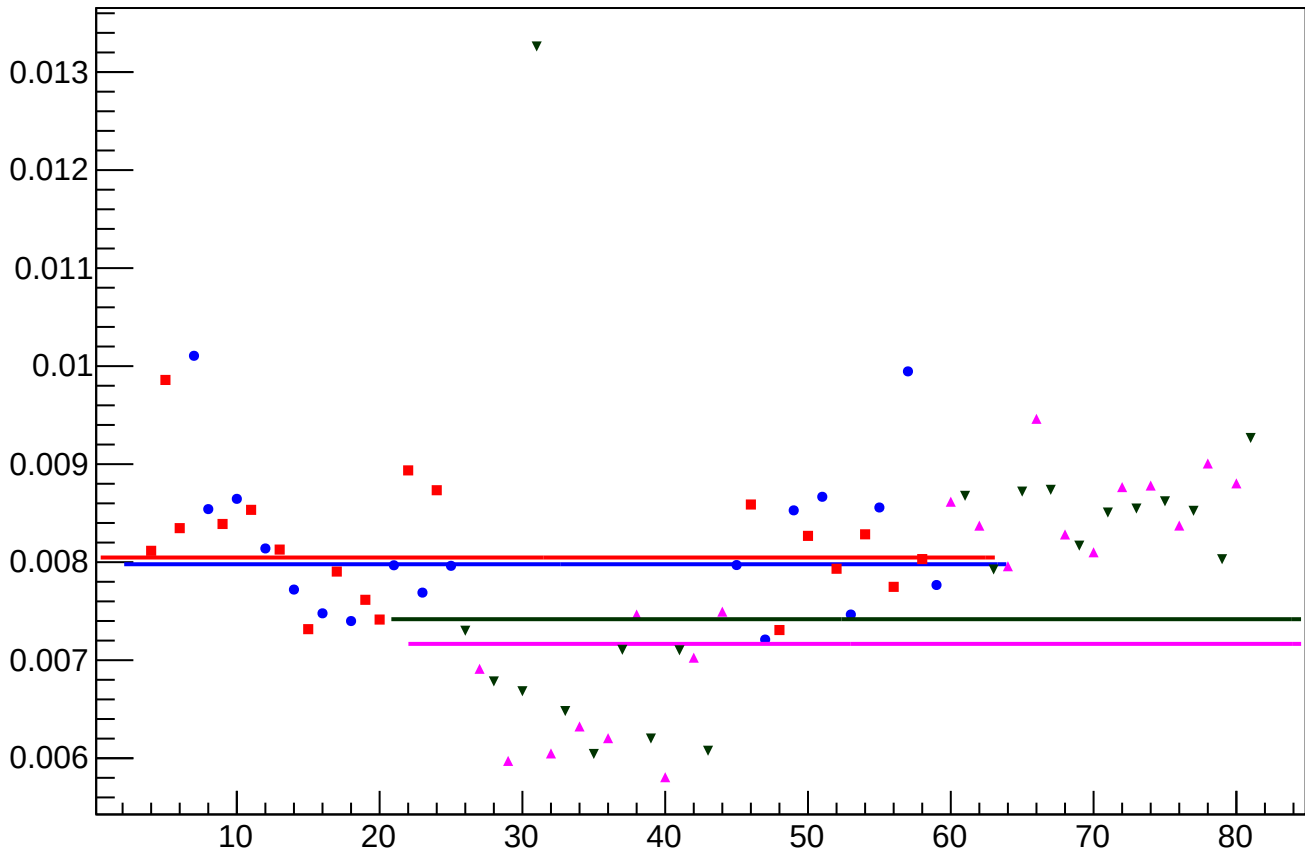
Right Out: -3.081+/-0.000 χ^2/NDF : 3839311184.0/18

Left In: -3.041+/-0.000 χ^2/NDF : 13573067548.1/19

-3.065+/-0.000 χ^2/NDF : 16910275425.3/38

-3.057+/-0.000 χ^2/NDF : 17530532626.9/38

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 : 459737.1/20

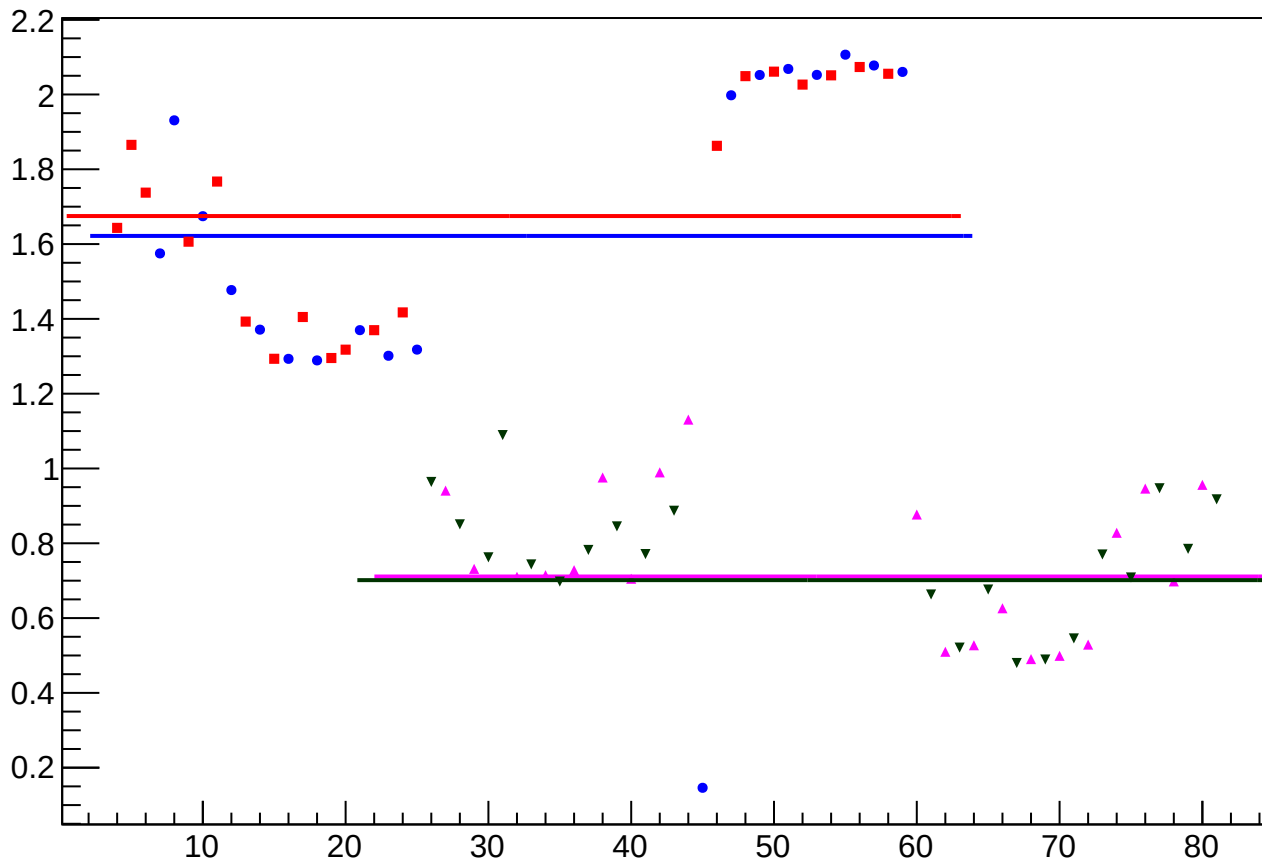
Right Out: 0.008+/-0.000 χ^2/NDF : 57509.8/18

Left In: 0.007+/-0.000 χ^2/NDF : 479368.5/19

0.008+/-0.000 χ^2/NDF : 605126.9/38

0.008+/-0.000 χ^2/NDF : 655291.3/38

yield_bpm0l03Y_mean vs slug



Right In: 1.622+/-0.000 χ^2/NDF : 26006902897.9/17

Left Out: 0.701+/-0.000 χ^2/NDF : 4109908343.6/20

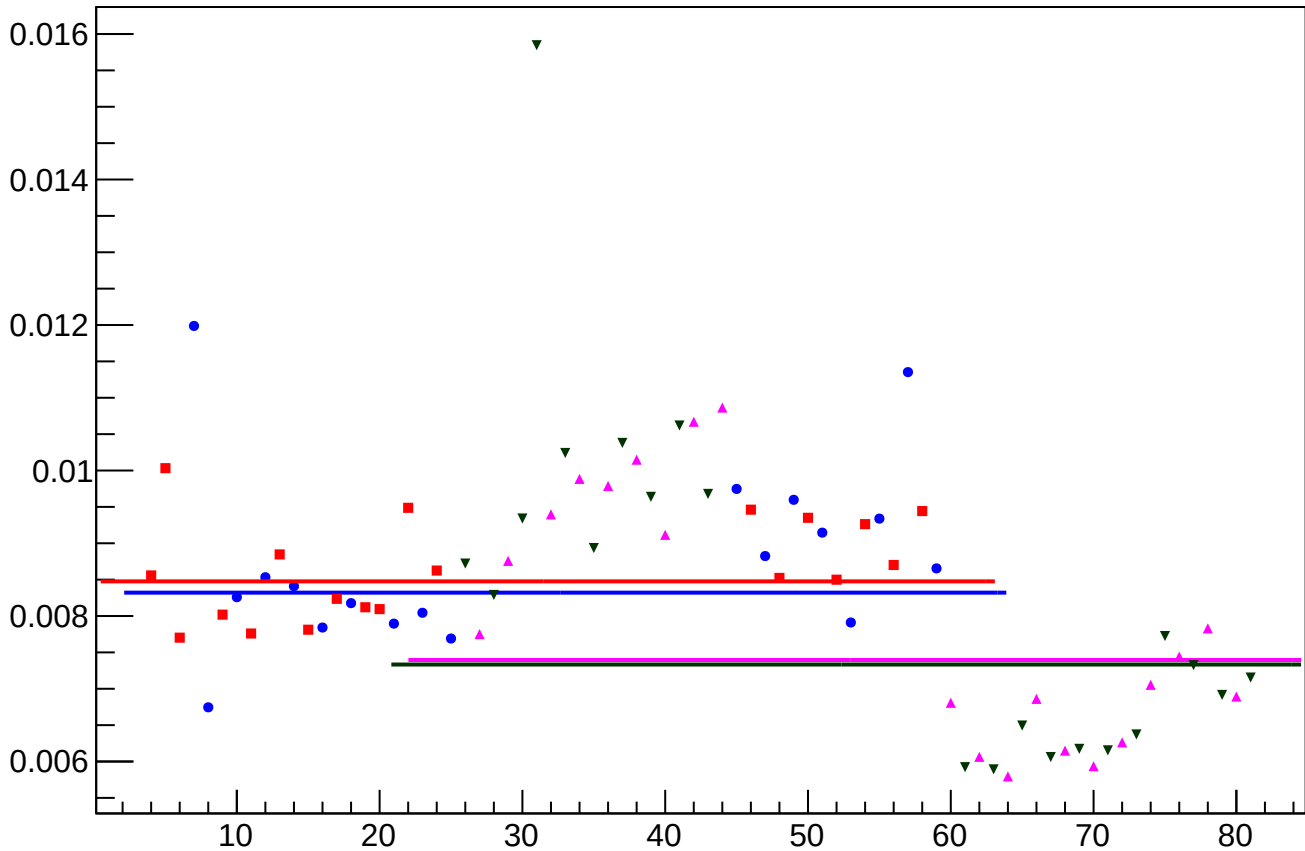
1.112+/-0.000 χ^2/NDF : 93486785107.4/38

Right Out: 1.675+/-0.000 χ^2/NDF : 9809193440.2/18

1.097+/-0.000 χ^2/NDF : 79055697133.0/38

Left In: 0.711+/-0.000 χ^2/NDF : 5872379090.0/19

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 : 872301.5/20

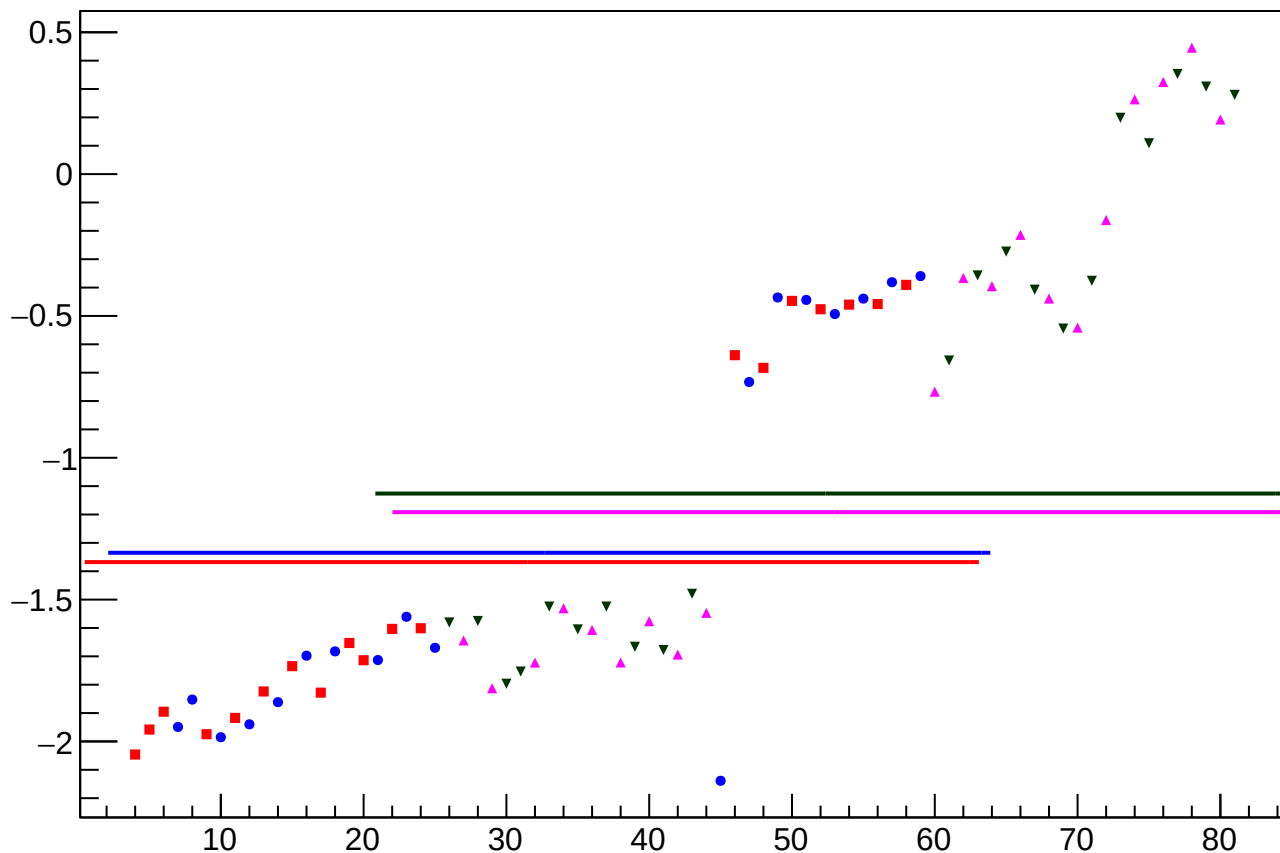
Right Out: 0.008+/-0.000 χ^2/NDF : 80155.6/18

Left In: 0.007+/-0.000 χ^2/NDF : 740809.0/19

0.008+/-0.000 χ^2/NDF : 1249653.5/38

0.008+/-0.000 χ^2/NDF : 980379.5/38

yield_bpm0l04X_mean vs slug



Right In: -1.335+/-0.000 χ^2/NDF : 38397269291.9/17

Left Out: -1.126+/-0.000 χ^2/NDF : 29217563713.3/20

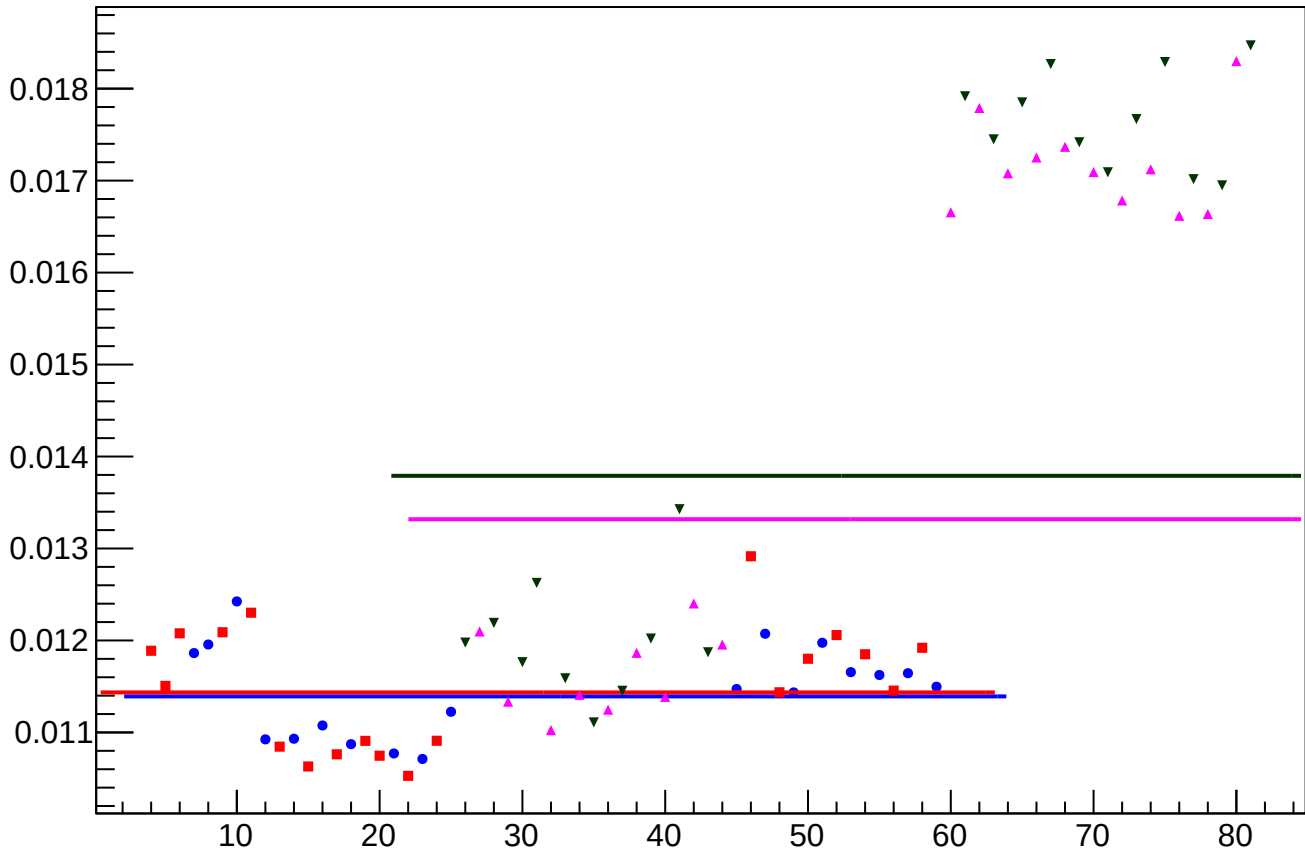
Right Out: -1.368+/-0.000 χ^2/NDF : 29057521992.7/18

Left In: -1.192+/-0.000 χ^2/NDF : 33080274930.1/19

-1.254+/-0.000 χ^2/NDF : 69062778887.9/38

-1.289+/-0.000 χ^2/NDF : 63175730377.4/38

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 : 803507.7/20

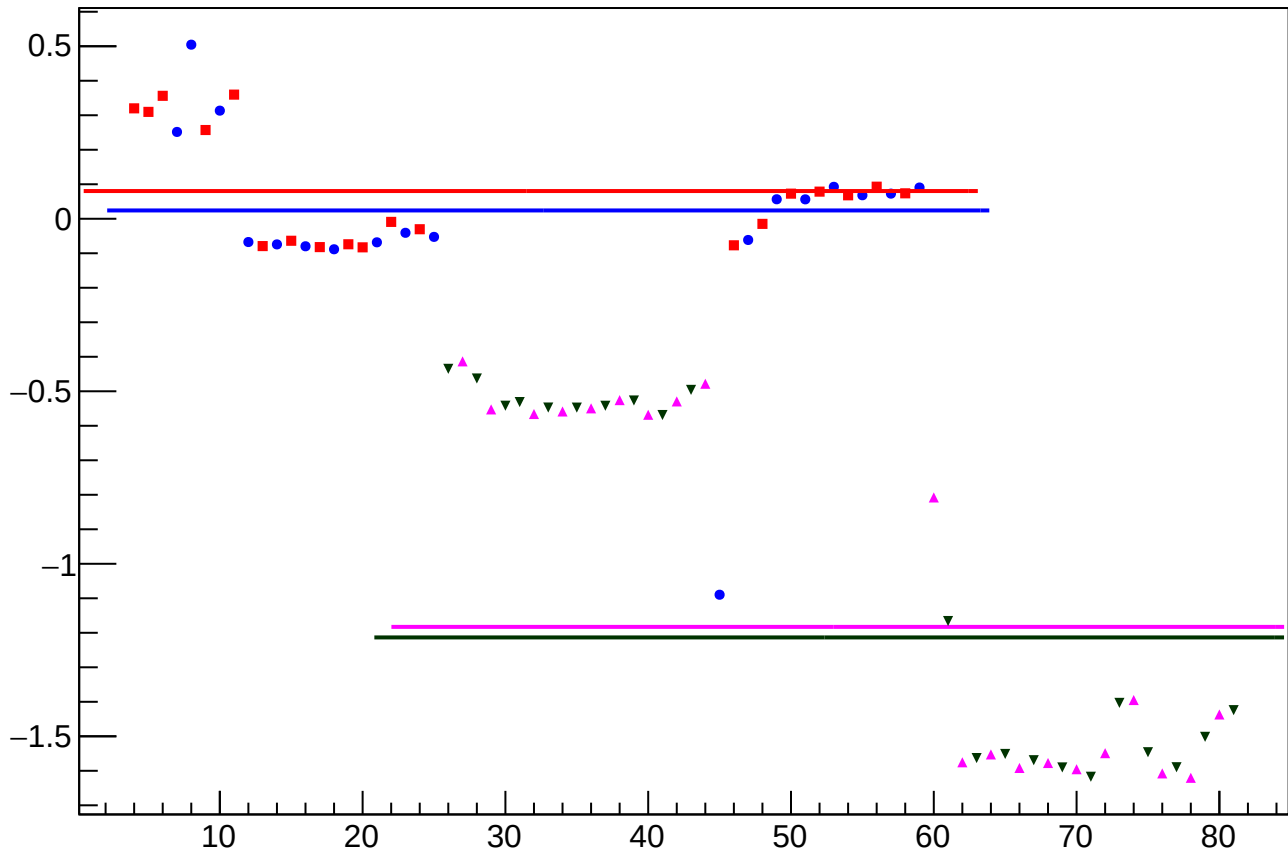
Right Out: 0.011+/-0.000 χ^2/NDF : 65676.1/18

Left In: 0.013+/-0.000 χ^2/NDF : 829943.5/19

0.012+/-0.000 χ^2/NDF : 1227484.1/38

0.012+/-0.000 χ^2/NDF : 1133149.8/38

yield_bpm0l04Y_mean vs slug



Right In: 0.024+/-0.000 χ^2/NDF : 18234538167.9/17

Left Out: -1.213+/-0.000 χ^2/NDF : 57166038075.9/20

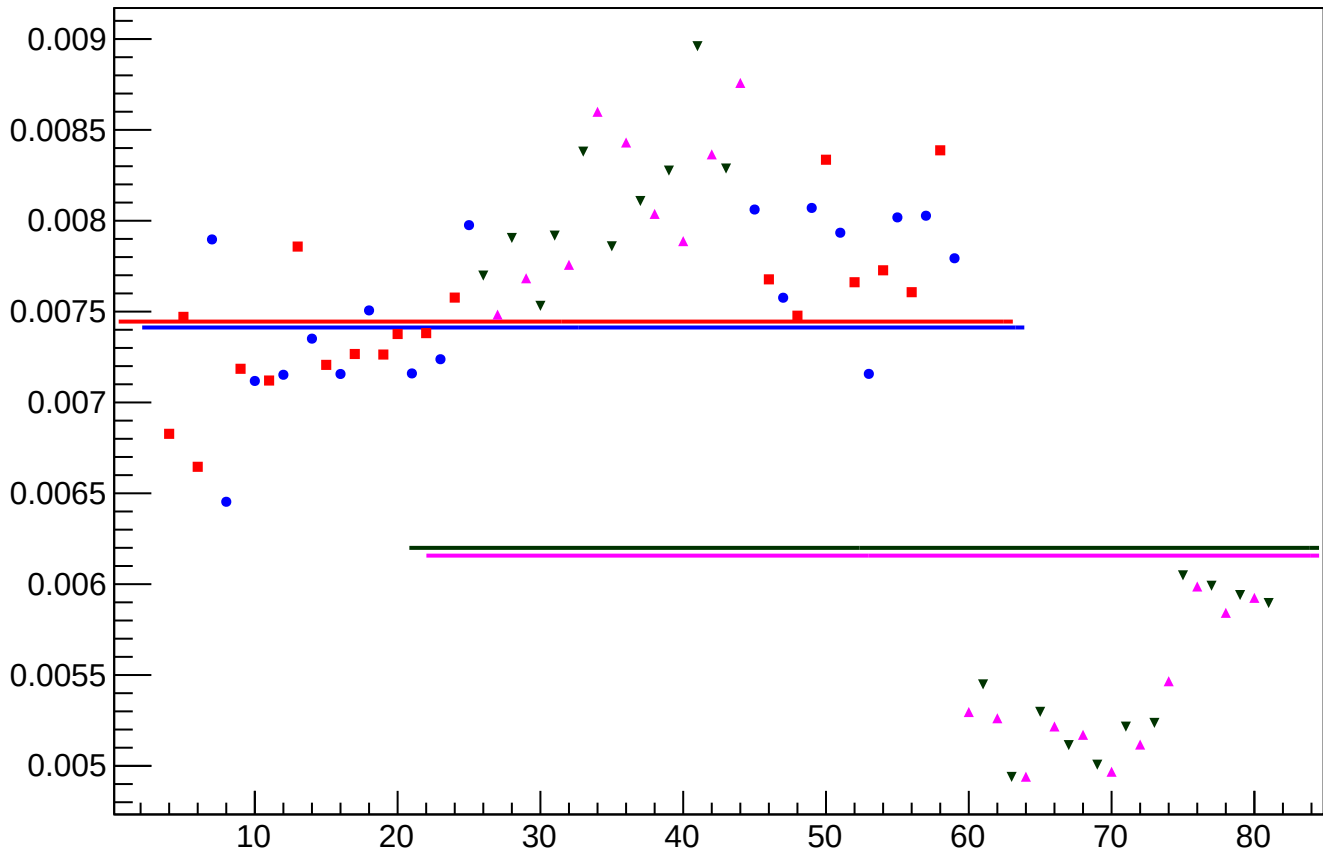
-0.681+/-0.000 χ^2/NDF : 248527116677.0/38

Right Out: 0.080+/-0.000 χ^2/NDF : 4561023053.2/18

-0.699+/-0.000 χ^2/NDF : 239545618257.6/38

Left In: -1.183+/-0.000 χ^2/NDF : 64957228684.4/19

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 : 864541.9/20

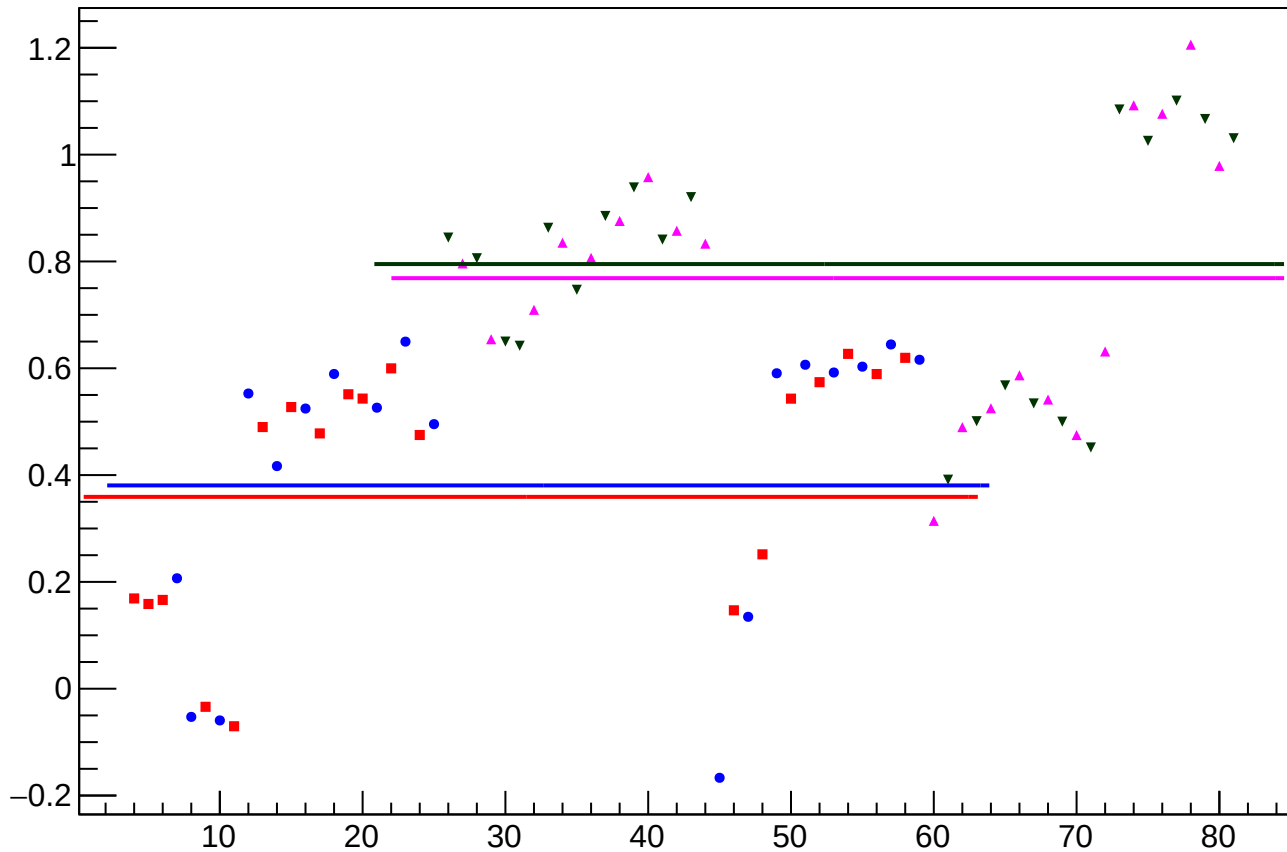
Right Out: 0.007+/-0.000 χ^2/NDF : 61122.7/18

Left In: 0.006+/-0.000 χ^2/NDF : 908457.5/19

0.007+/-0.000 χ^2/NDF : 1288206.8/38

0.007+/-0.000 χ^2/NDF : 1323097.6/38

yield_bpm0l05X_mean vs slug



Right In: 0.381+/-0.000 χ^2/NDF : 17766233664.3/17

Left Out: 0.795+/-0.000 χ^2/NDF : 9722332141.4/20

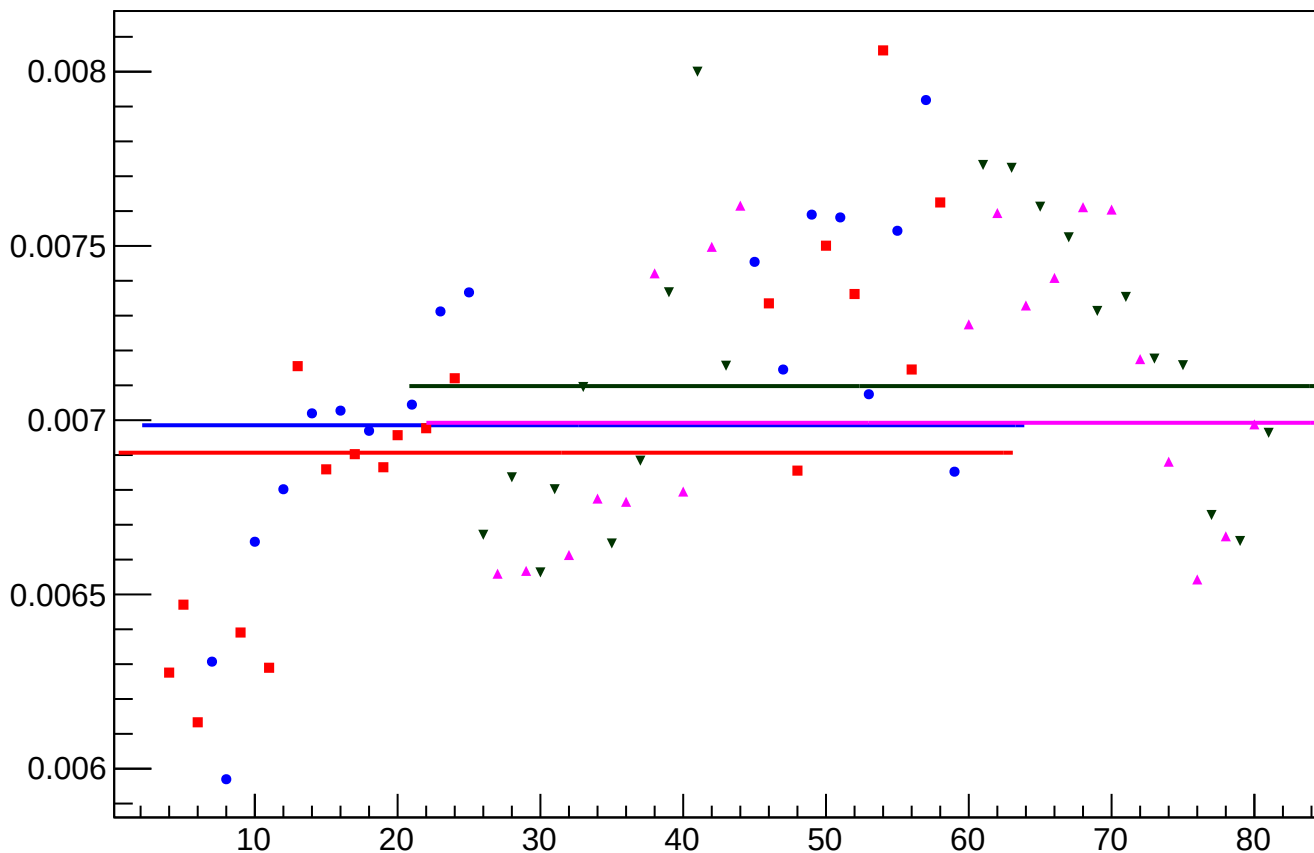
0.582+/-0.000 χ^2/NDF : 46195318118.8/38

Right Out: 0.359+/-0.000 χ^2/NDF : 11904326957.3/18

0.575+/-0.000 χ^2/NDF : 40548763990.6/38

Left In: 0.769+/-0.000 χ^2/NDF : 10721546953.5/19

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 : 66758.4/20

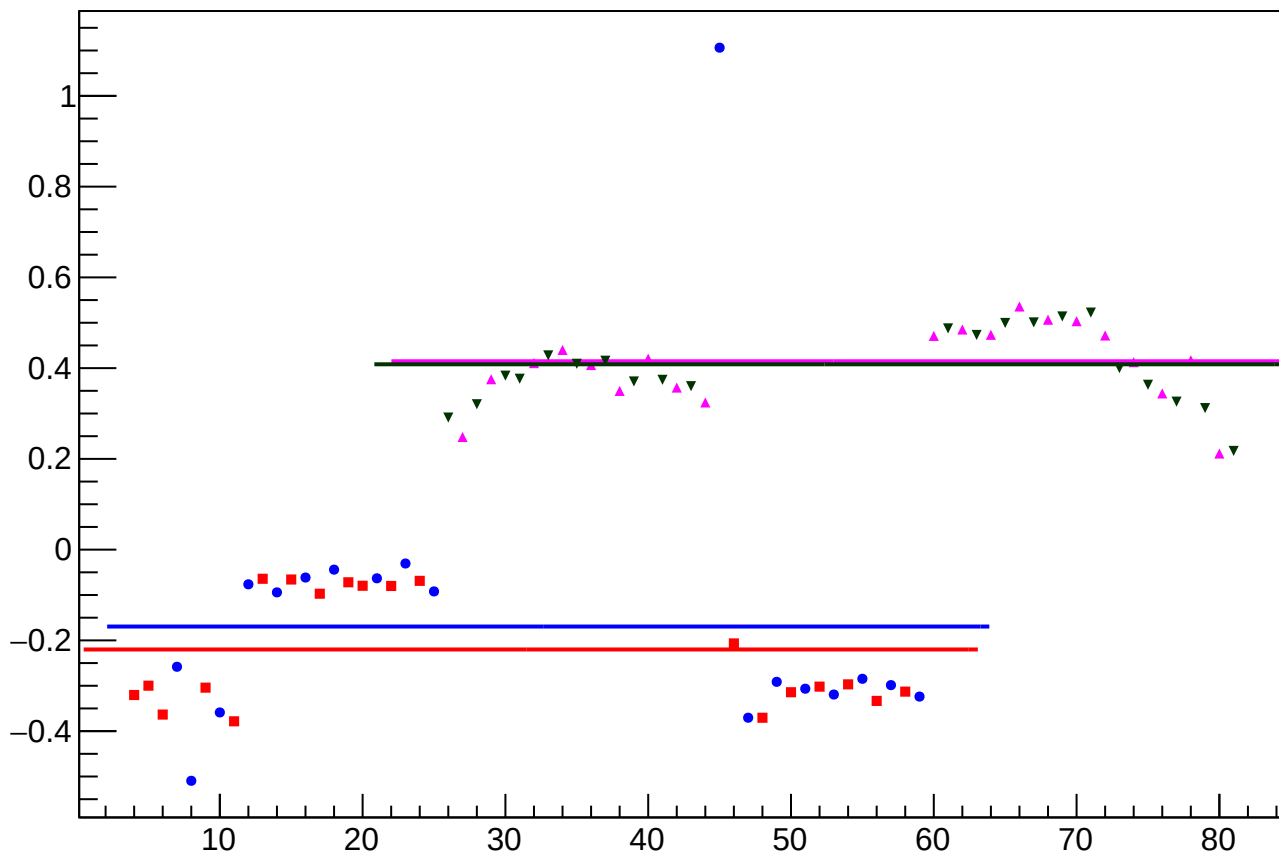
Right Out: 0.007+/-0.000 χ^2/NDF : 97555.6/18

Left In: 0.007+/-0.000 χ^2/NDF : 72596.1/19

0.007+/-0.000 χ^2/NDF : 176665.3/38

0.007+/-0.000 χ^2/NDF : 171726.7/38

yield_bpm0l05Y_mean vs slug



Right In: -0.169+/-0.000 χ^2 /NDF: 37135565875.9/17

Left Out: 0.408+/-0.000 χ^2 /NDF:3148270027.8/20

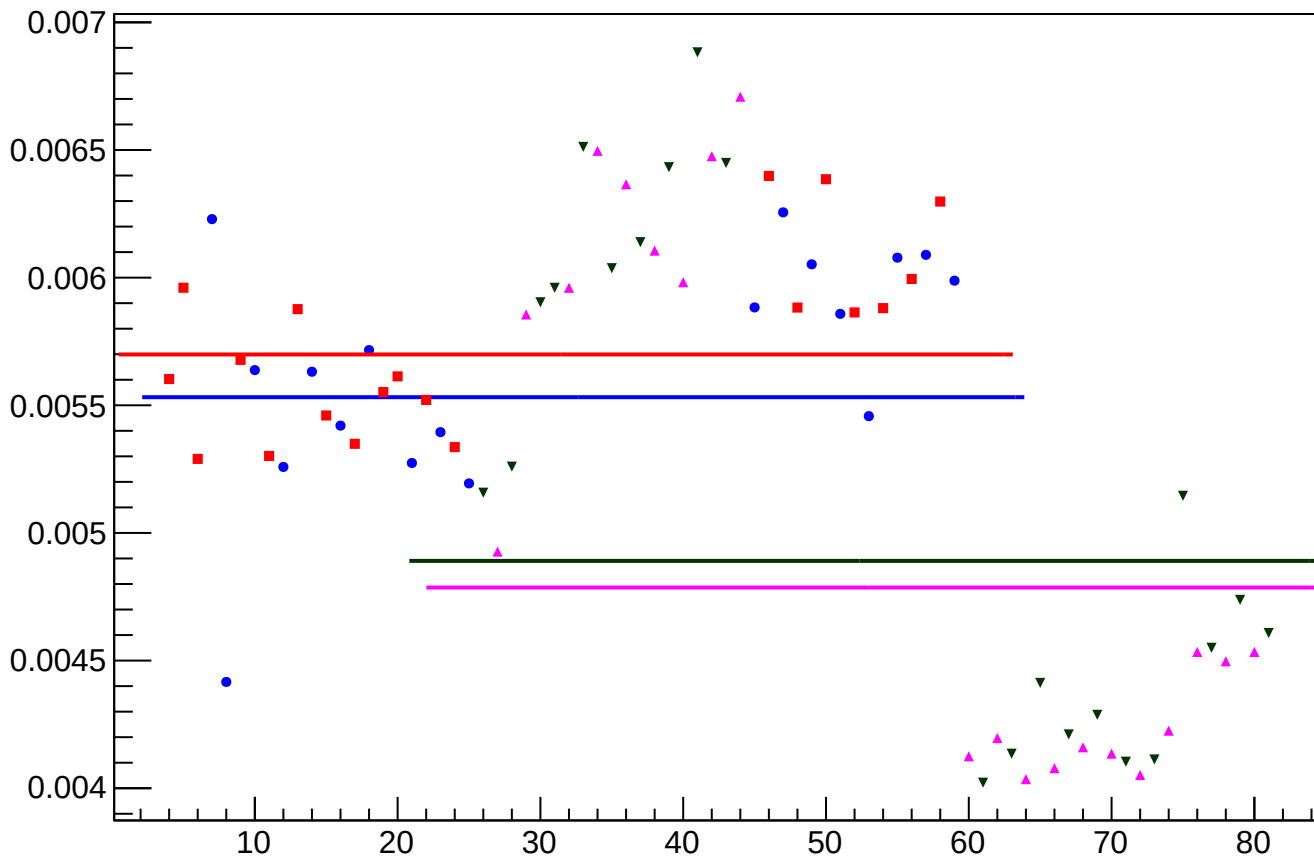
Right Out: -0.220+/-0.000 χ^2 /NDF: 4721801975.9/18

Left In: 0.415+/-0.000 χ^2 /NDF:3688220610.5/19

0.146+/-0.000 χ^2 /NDF: 104530025394.9/38

0.168+/-0.000 χ^2 /NDF: 80692849871.2/38

yield_bpm0l05Y_rms vs slug



Right In: 0.006+/-0.000 χ^2/NDF : 186989.4/17

Left Out: 0.005+/-0.000 χ^2/NDF : 636708.9/20

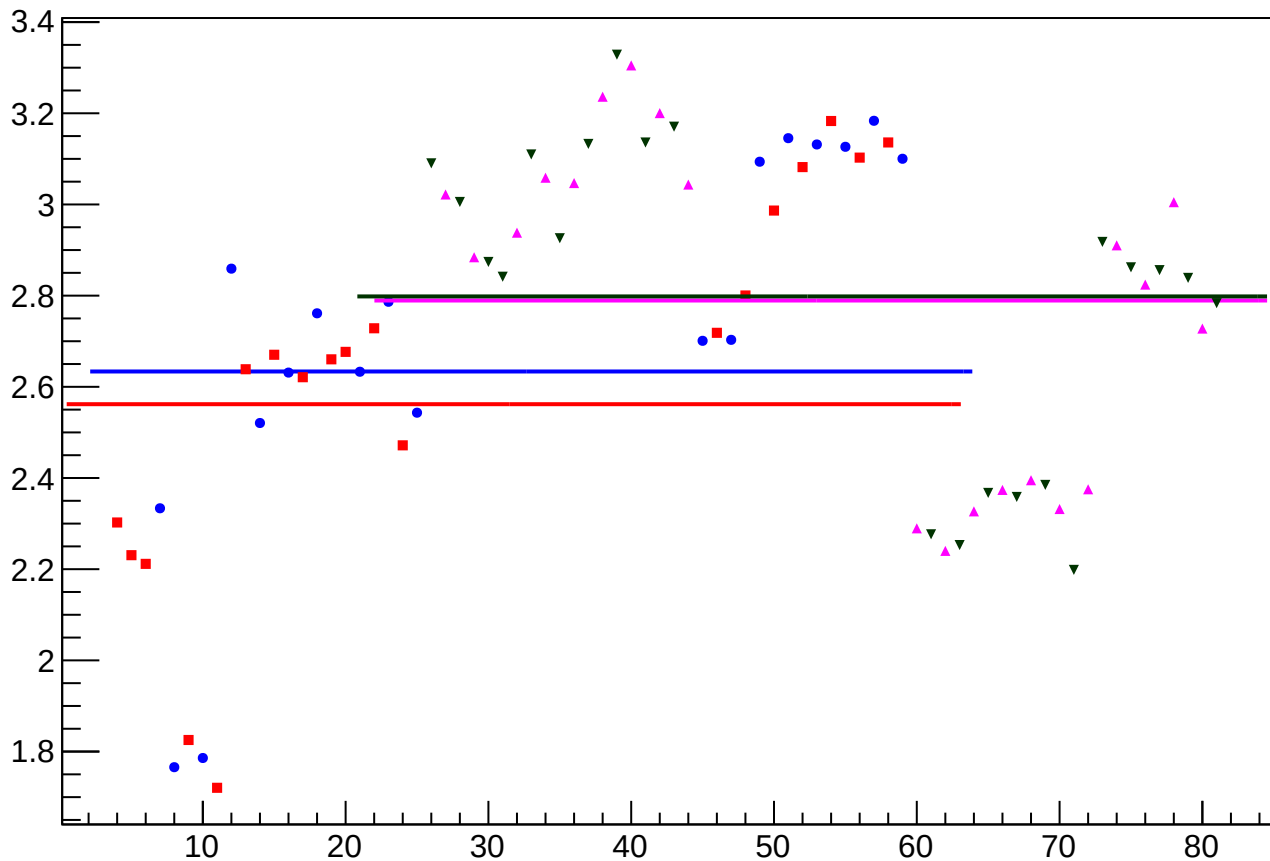
Right Out: 0.006+/-0.000 χ^2/NDF : 66415.4/18

Left In: 0.005+/-0.000 χ^2/NDF : 703213.4/19

0.005+/-0.000 χ^2/NDF : 981829.2/38

0.005+/-0.000 χ^2/NDF : 1068254.6/38

yield_bpm0l06X_mean vs slug



Right In: 2.634 $\pm$ 0.000 χ^2 /NDF: 15879791998.3/17

Left Out: 2.798 $\pm$ 0.000 χ^2 /NDF:12910386898.4/20

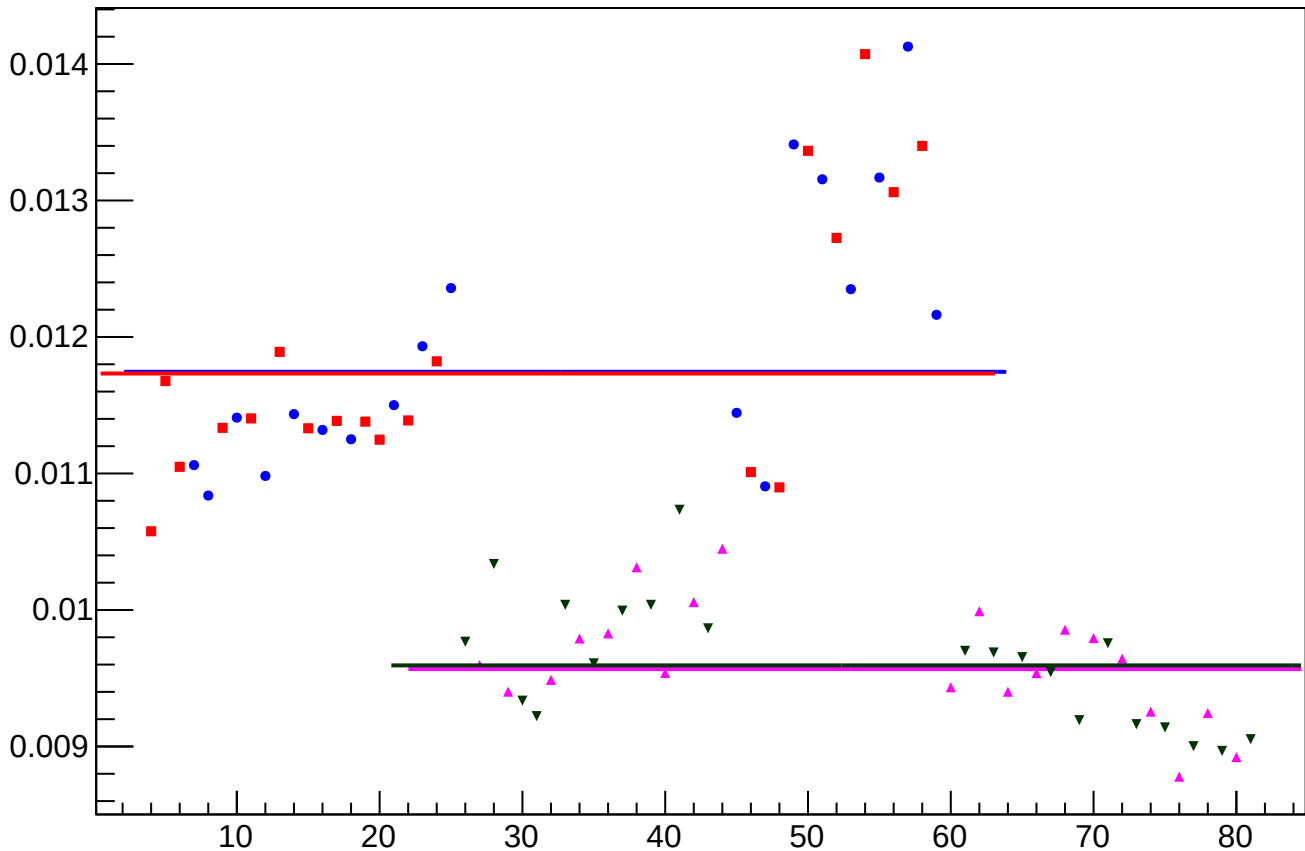
2.732 $\pm$ 0.000 χ^2 /NDF: 30068153959.1/38

Right Out: 2.562 $\pm$ 0.000 χ^2 /NDF: 12349960173.0/18

2.706 $\pm$ 0.000 χ^2 /NDF: 27848434469.5/38

Left In: 2.789 $\pm$ 0.000 χ^2 /NDF:13211404171.2/19

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: 49068.1/20

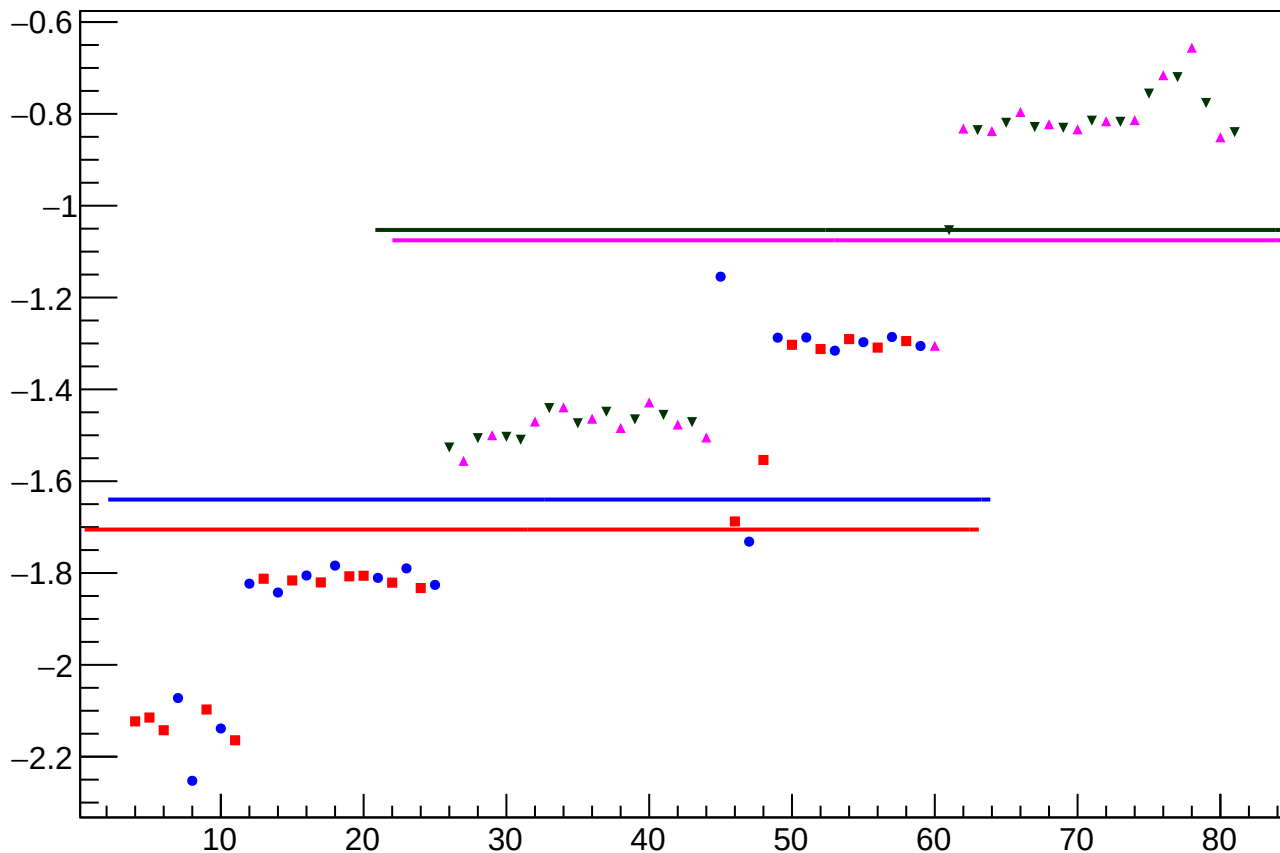
Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 107336.5/18

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 37401.9/19

0.010 $\pm$ 0.000 χ^2 /NDF: 602638.8/38

0.010 $\pm$ 0.000 χ^2 /NDF: 559284.3/38

yield_bpm0l06Y_mean vs slug



Right In: -1.640+/-0.000 χ^2/NDF : 63862011114.5/17

Left Out: -1.053+/-0.000 χ^2/NDF : 51478464931.6/20

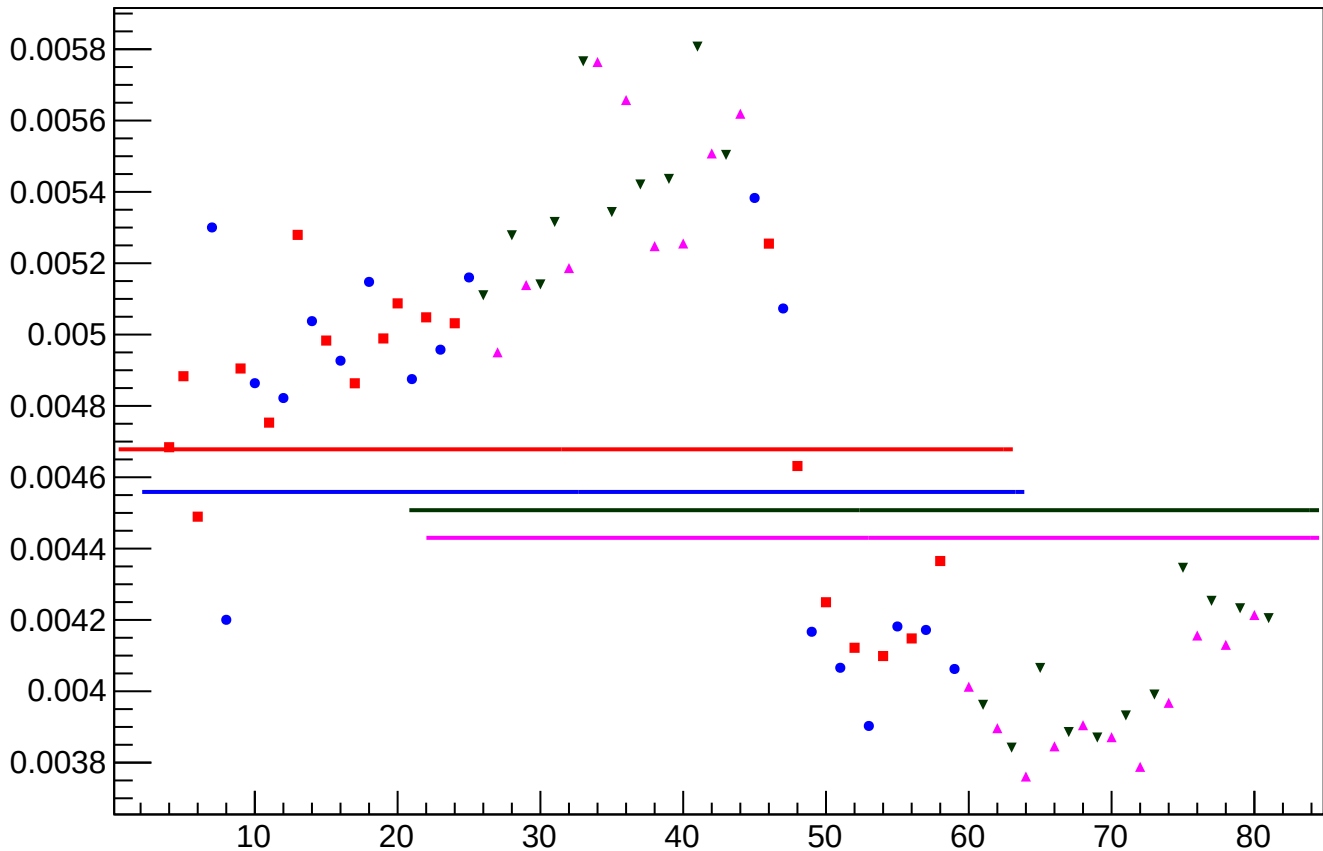
Right Out: -1.705+/-0.000 χ^2/NDF : 45414052250.2/18

Left In: -1.075+/-0.000 χ^2/NDF : 60702618116.5/19

-1.350+/-0.000 χ^2/NDF : 204190522735.8/38

-1.355+/-0.000 χ^2/NDF : 202759714493.5/38

yield_bpm0l06Y_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 228593.7/17

Left Out: 0.005+/-0.000 χ^2/NDF : 461770.4/20

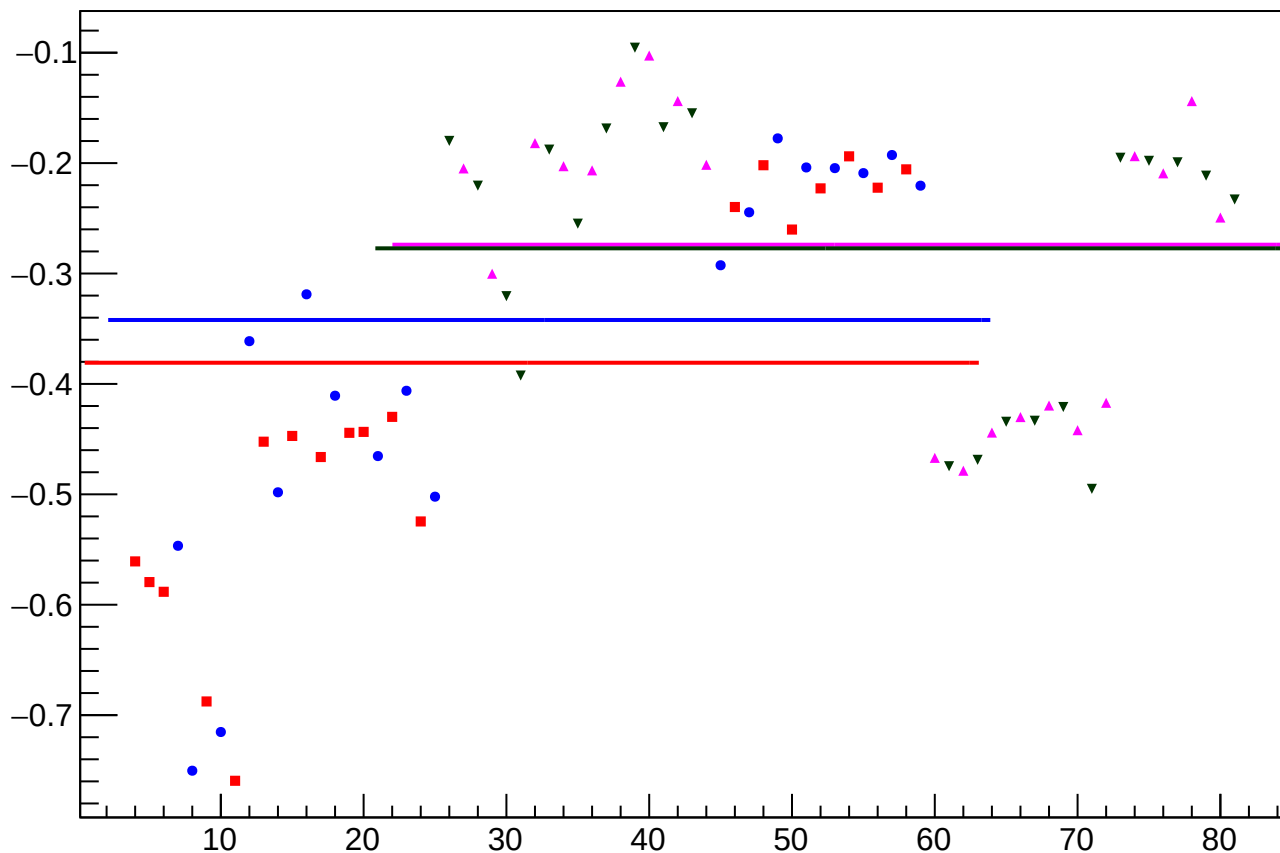
Right Out: 0.005+/-0.000 χ^2/NDF : 136426.0/18

Left In: 0.004+/-0.000 χ^2/NDF : 495074.4/19

0.005+/-0.000 χ^2/NDF : 691713.4/38

0.005+/-0.000 χ^2/NDF : 661485.9/38

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 : 771017538.0/20

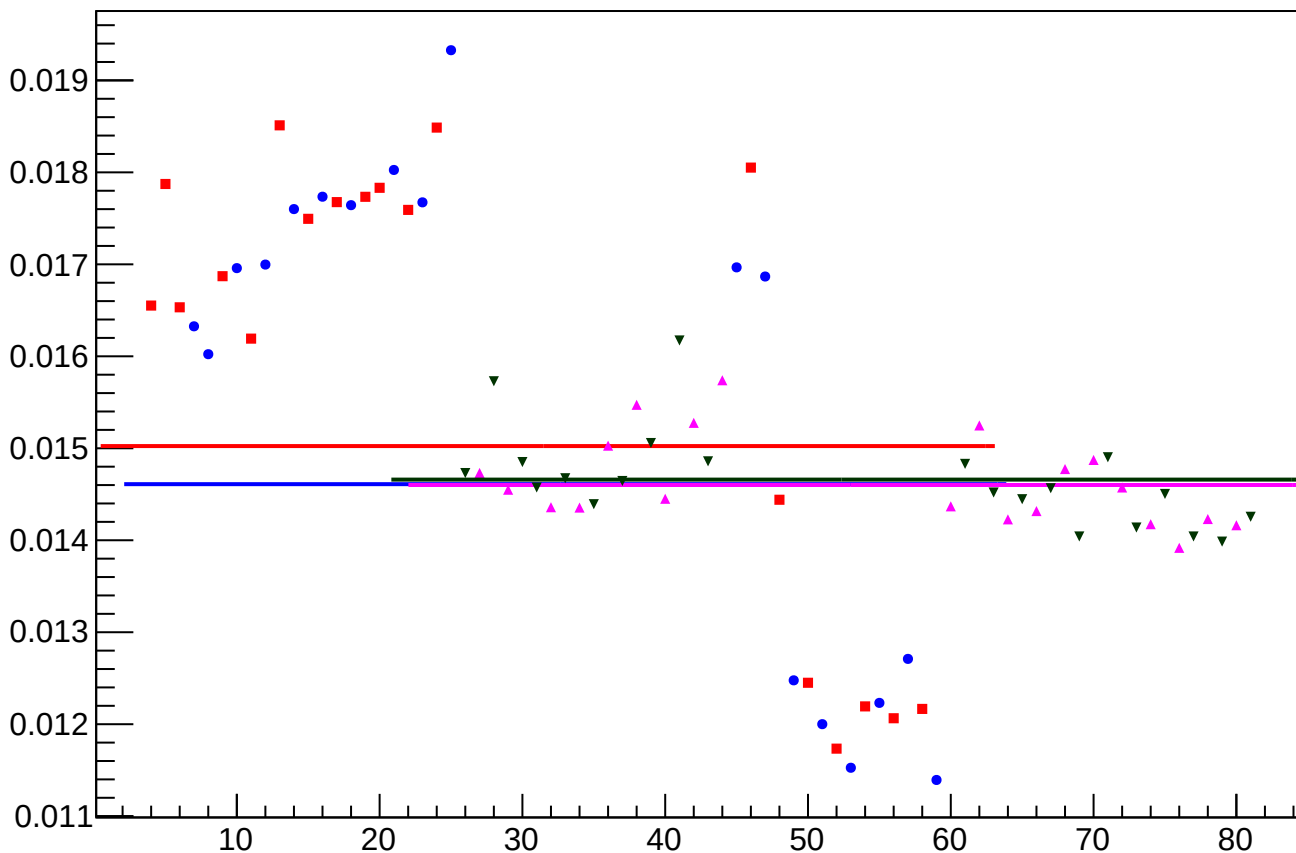
Right Out: -0.381+/-0.000 χ^2/NDF : 1387002500.9/18

Left In: -0.274+/-0.000 χ^2/NDF : 785849533.4/19

-0.310+/-0.000 χ^2/NDF : 2546437701.1/38

-0.321+/-0.000 χ^2/NDF : 2436895867.8/38

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 : 27608.2/20

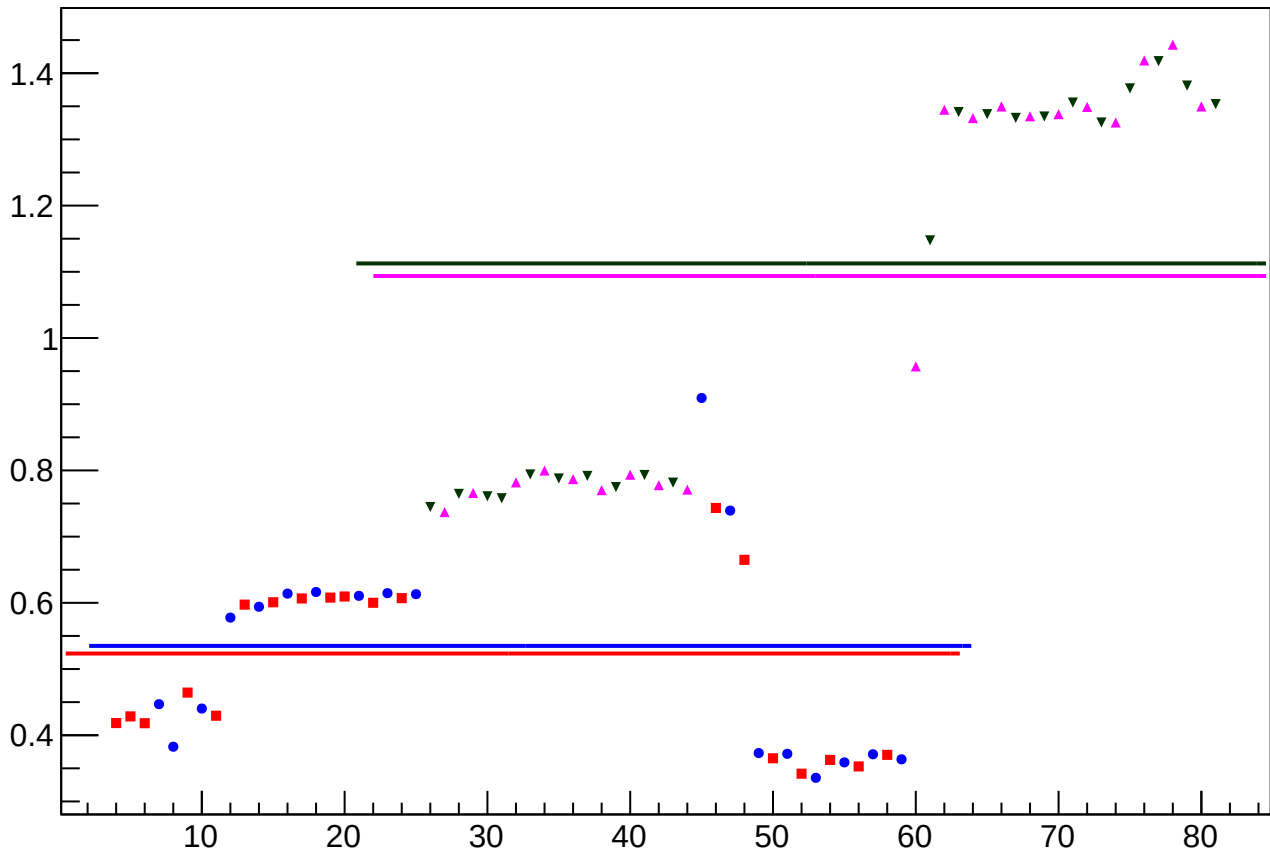
Right Out: 0.015 ± 0.000 χ^2/NDF : 573783.3/18

Left In: 0.015 ± 0.000 χ^2/NDF : 21350.7/19

0.015 ± 0.000 χ^2/NDF : 739658.1/38

0.015 ± 0.000 χ^2/NDF : 603406.6/38

yield_bpm0l07Y_mean vs slug



Right In: 0.535 $\pm$ 0.000 χ^2 /NDF: 21231144094.8/17

Left Out: 1.113 $\pm$ 0.000 χ^2 /NDF: 94888522678.7/20

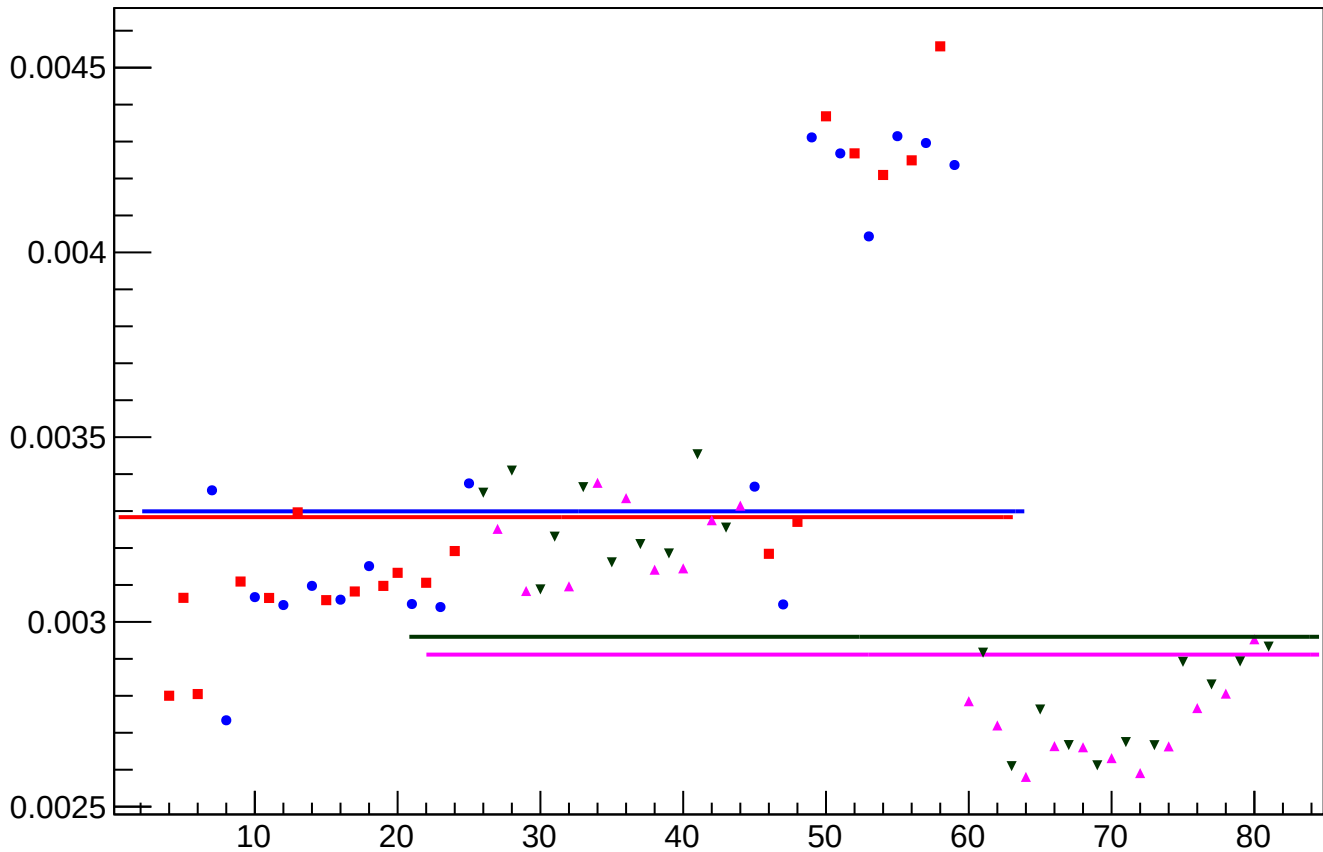
Right Out: 0.523 $\pm$ 0.000 χ^2 /NDF: 11523934099.1/18

Left In: 1.094 $\pm$ 0.000 χ^2 /NDF: 105586558319.3/19

0.852 $\pm$ 0.000 χ^2 /NDF: 296901996001.6/38

0.863 $\pm$ 0.000 χ^2 /NDF: 287111076461.1/38

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 :186201.6/20

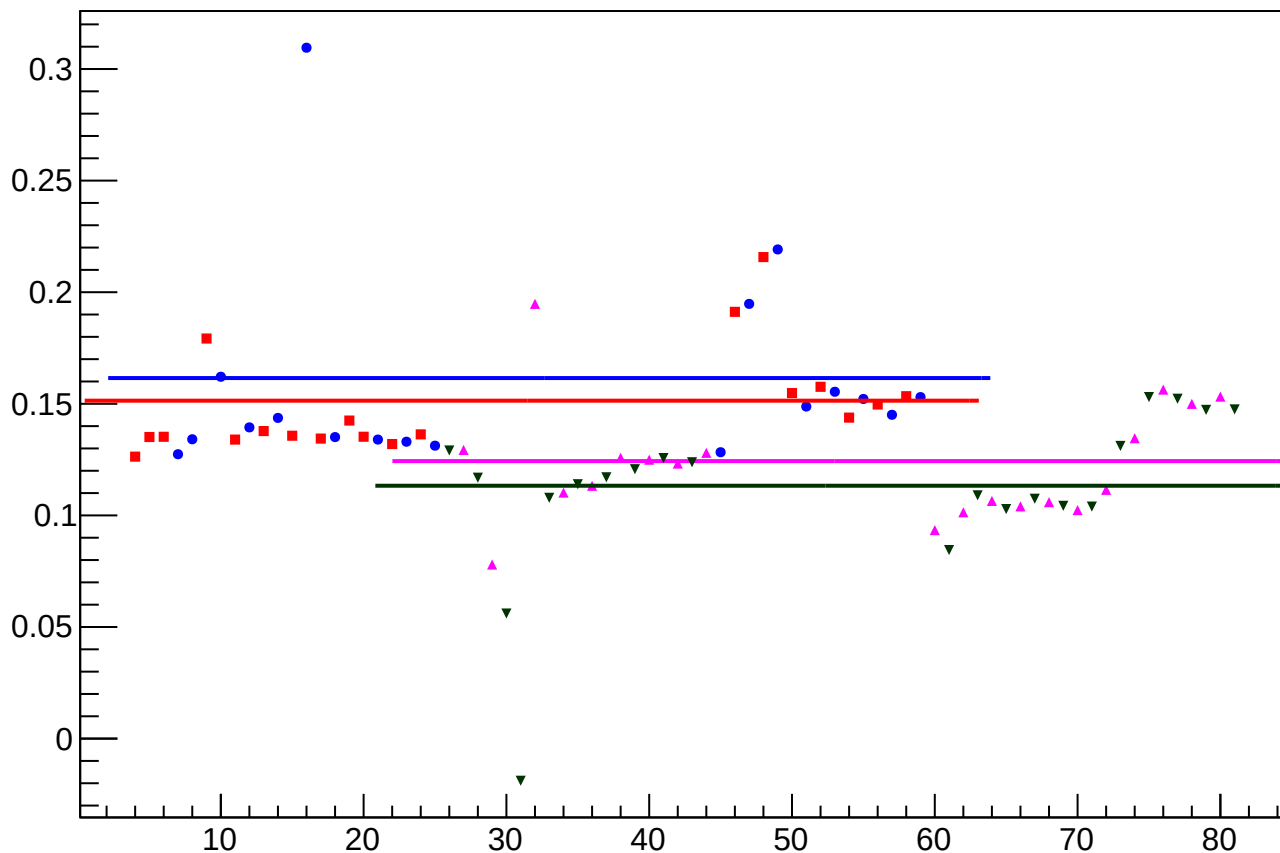
Right Out: 0.003+/-0.000 χ^2/NDF : 382277.8/18

Left In: 0.003+/-0.000 χ^2/NDF :183110.4/19

0.003+/-0.000 χ^2/NDF : 808673.1/38

0.003+/-0.000 χ^2/NDF : 710065.2/38

yield_bpm0l08X_mean vs slug



Right In: 0.162 ± 0.000 χ^2/NDF : 94764439.1/17

Left Out: 0.113 ± 0.000 χ^2/NDF : 64315601.9/20

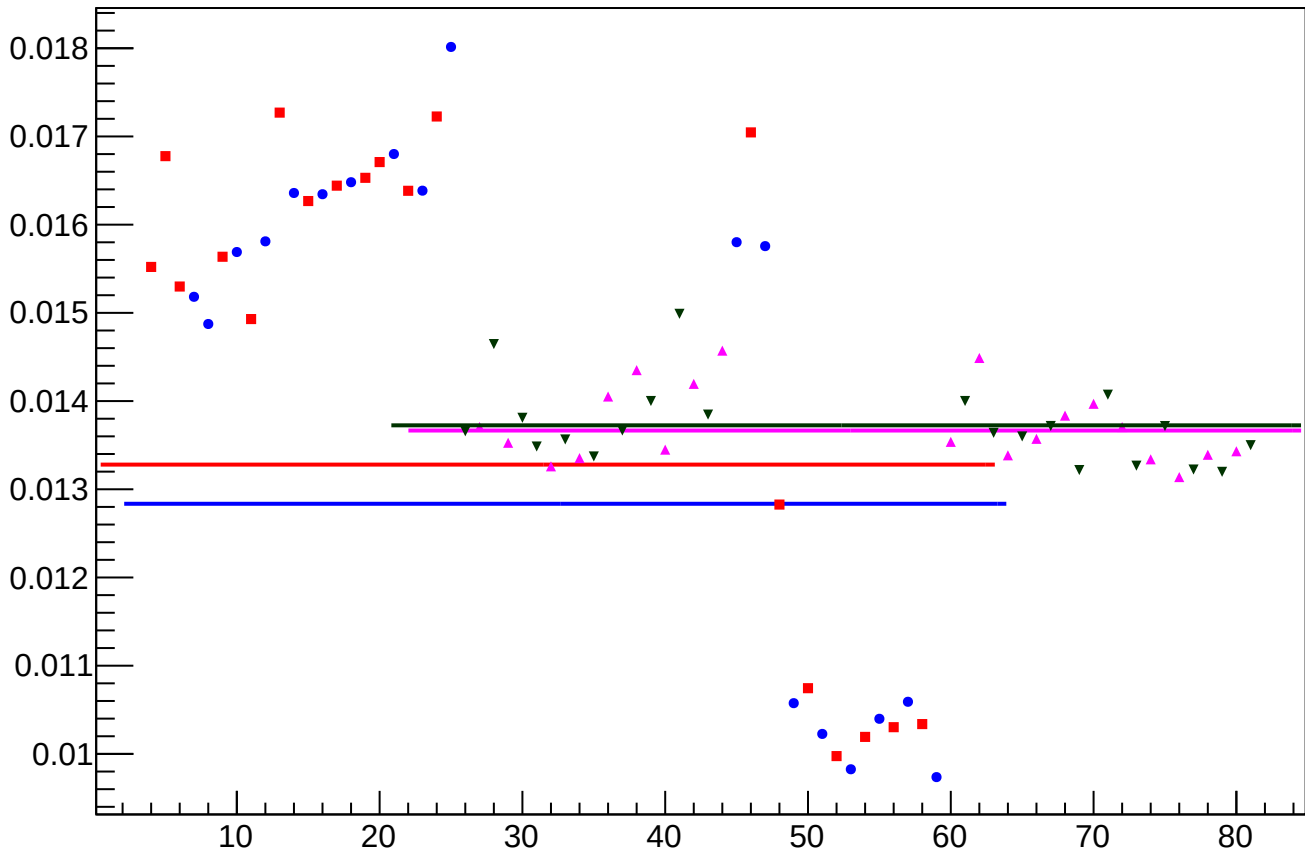
Right Out: 0.151 ± 0.000 χ^2/NDF : 22463584.0/18

Left In: 0.124 ± 0.000 χ^2/NDF : 51965648.9/19

0.139 ± 0.000 χ^2/NDF : 229214647.0/38

0.137 ± 0.000 χ^2/NDF : 94748489.7/38

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 :22728.4/20

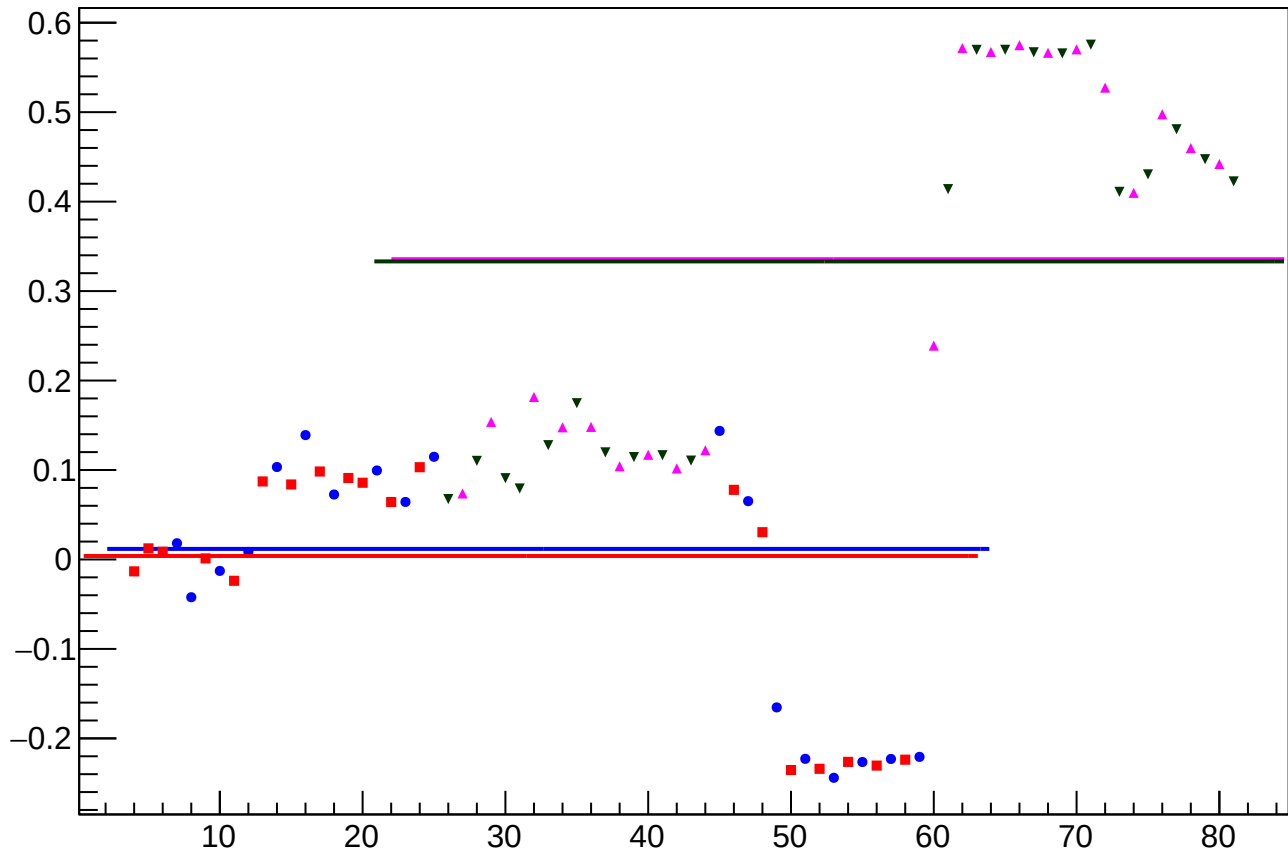
Right Out: 0.013+/-0.000 χ^2/NDF : 890007.3/18

Left In: 0.014+/-0.000 χ^2/NDF :18521.7/19

0.013+/-0.000 χ^2/NDF : 1158639.3/38

0.013+/-0.000 χ^2/NDF : 916805.1/38

yield_bpm0l08Y_mean vs slug



Right In: 0.012+/-0.000 χ^2/NDF : 12179192870.2/17

Left Out: 0.333+/-0.000 χ^2/NDF : 45235397377.1/20

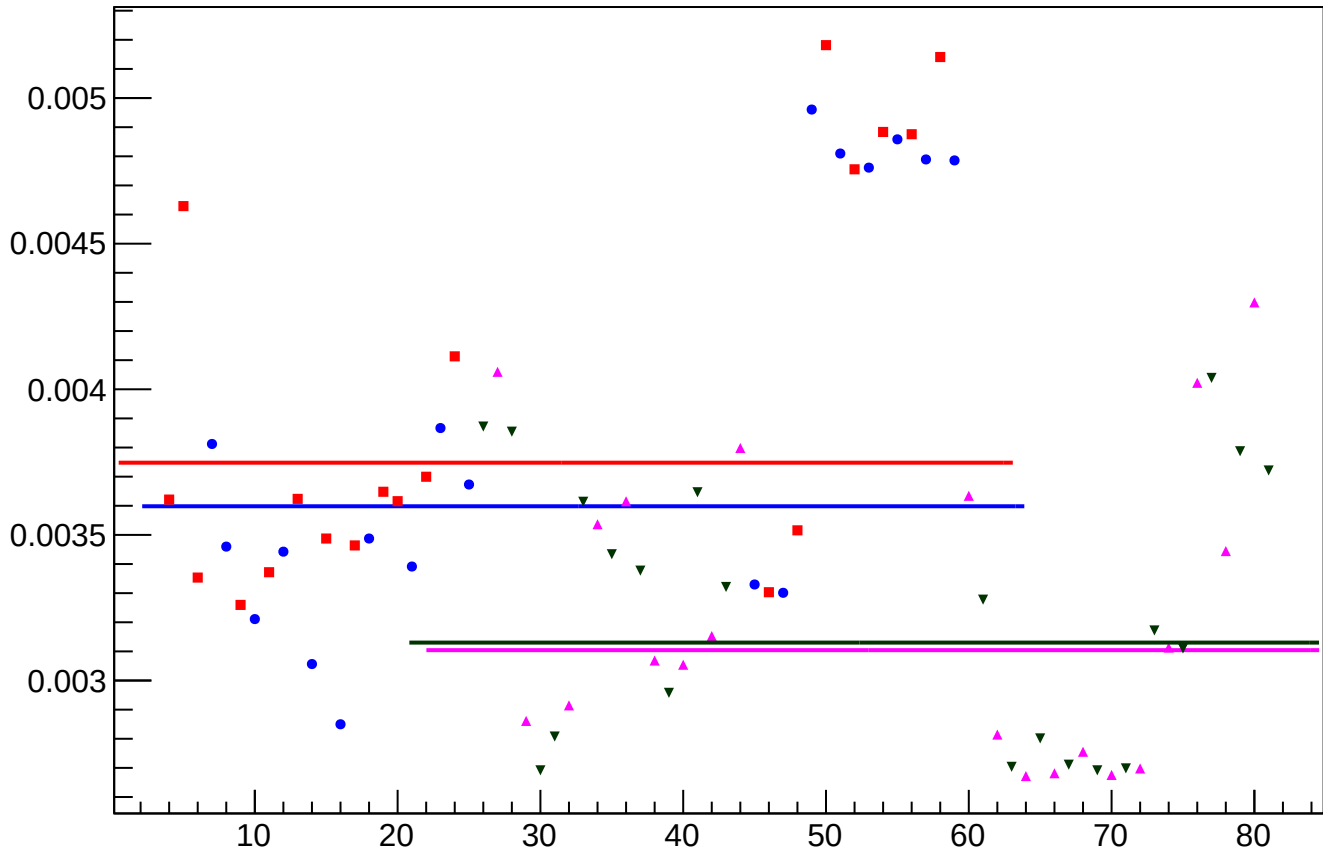
Right Out: 0.004+/-0.000 χ^2/NDF : 7924148421.7/18

Left In: 0.336+/-0.000 χ^2/NDF : 44838411713.0/19

0.193+/-0.000 χ^2/NDF : 104419900995.6/38

0.212+/-0.000 χ^2/NDF : 97913063100.7/38

yield_bpm0l08Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 672957.8/17

Left Out: 0.003+/-0.000 χ^2/NDF :396945.4/20

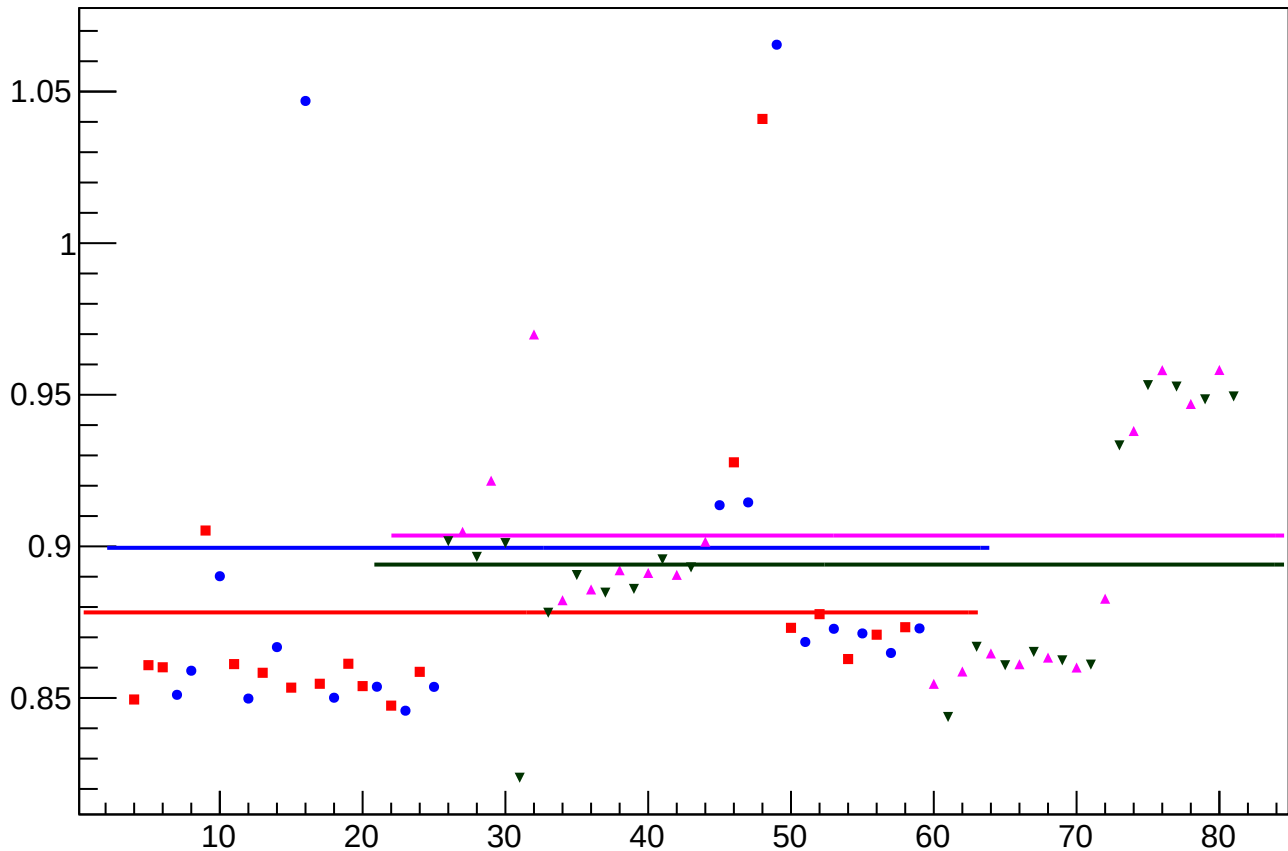
Right Out: 0.004+/-0.000 χ^2/NDF : 427283.7/18

Left In: 0.003+/-0.000 χ^2/NDF :466120.2/19

0.003+/-0.000 χ^2/NDF : 1269353.4/38

0.003+/-0.000 χ^2/NDF : 1233410.3/38

yield_bpm0l09X_mean vs slug



Right In: 0.900 $\pm$ 0.000 χ^2 /NDF: 324904340.4/17

Left Out: 0.894 $\pm$ 0.000 χ^2 /NDF: 70897772.5/20

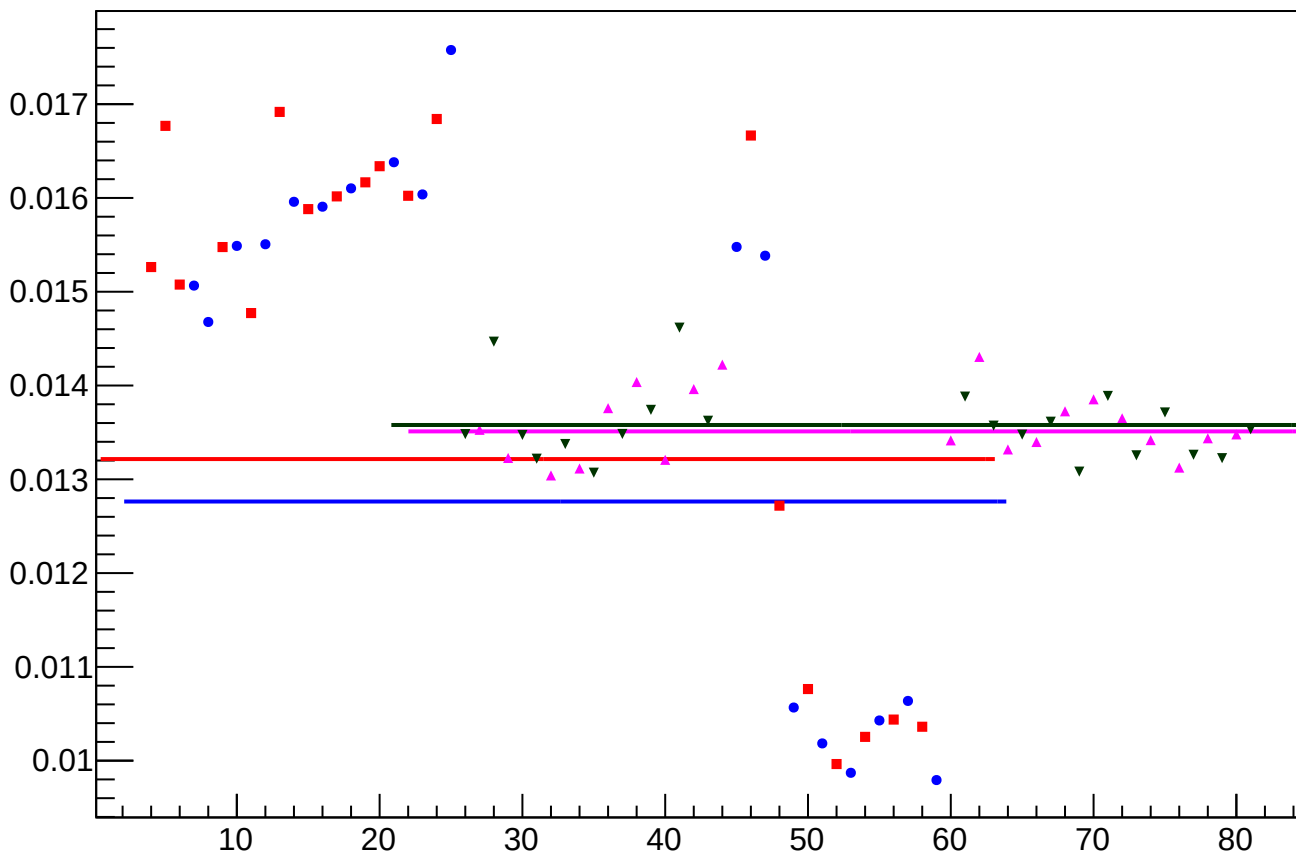
Right Out: 0.878 $\pm$ 0.000 χ^2 /NDF: 92356263.0/18

Left In: 0.904 $\pm$ 0.000 χ^2 /NDF: 85518463.9/19

0.897 $\pm$ 0.000 χ^2 /NDF: 396738628.5/38

0.892 $\pm$ 0.000 χ^2 /NDF: 195985992.5/38

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 : 18286.9/20

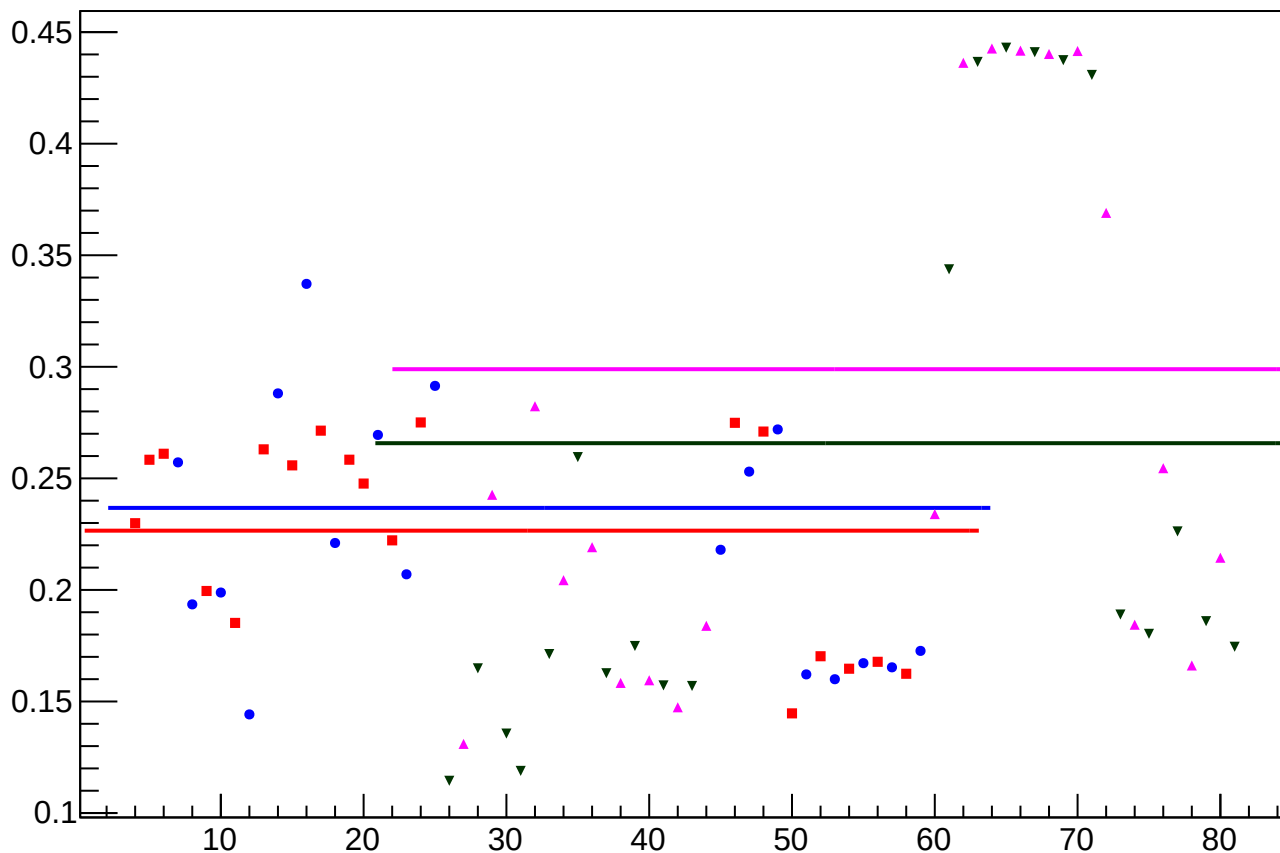
Right Out: 0.013+/-0.000 χ^2/NDF : 798846.8/18

Left In: 0.014+/-0.000 χ^2/NDF : 15153.7/19

0.013+/-0.000 χ^2/NDF : 1039266.3/38

0.013+/-0.000 χ^2/NDF : 818907.4/38

yield_bpm0l09Y_mean vs slug



Right In: 0.237 $\pm$ 0.000 χ^2/NDF : 2411617824.9/17

Left Out: 0.266 $\pm$ 0.000 χ^2/NDF : 15943500534.2/20

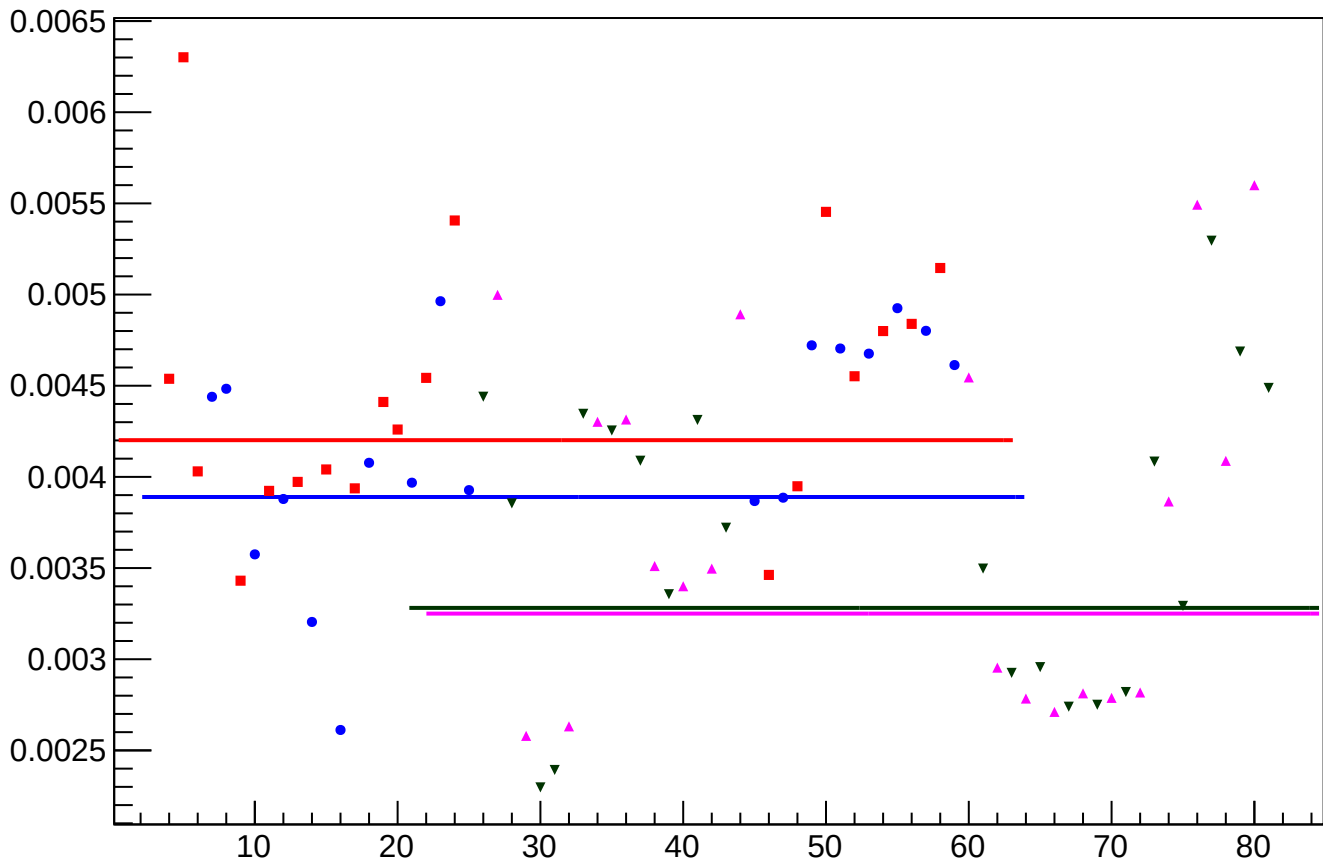
Right Out: 0.227 $\pm$ 0.000 χ^2/NDF : 943883207.4/18

Left In: 0.299 $\pm$ 0.000 χ^2/NDF : 12164600152.3/19

0.253 $\pm$ 0.000 χ^2/NDF : 18679296427.8/38

0.273 $\pm$ 0.000 χ^2/NDF : 14835730060.0/38

yield_bpm0l09Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 695729.3/17

Left Out: 0.003+/-0.000 χ^2/NDF :1051788.8/20

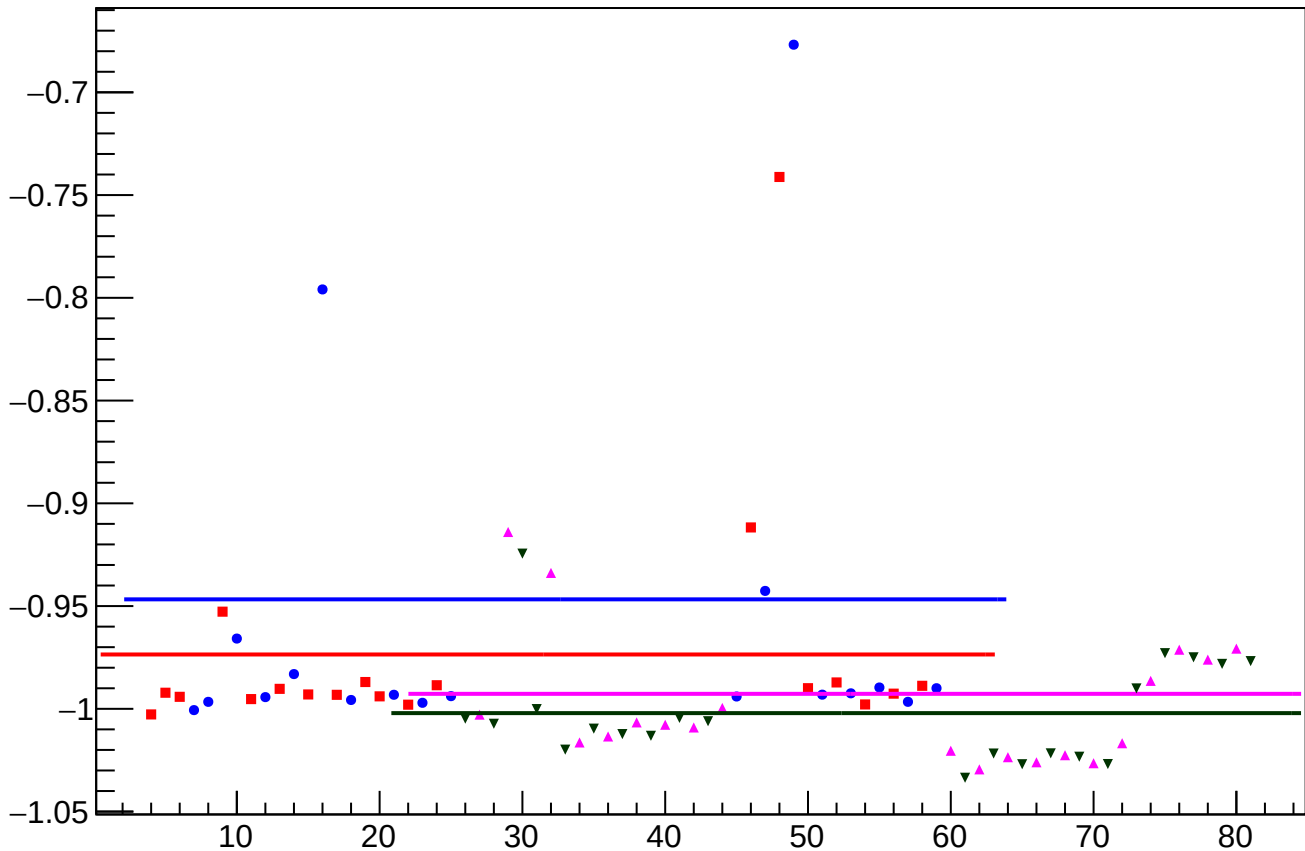
Right Out: 0.004+/-0.000 χ^2/NDF : 341340.8/18

Left In: 0.003+/-0.000 χ^2/NDF :1259205.3/19

0.004+/-0.000 χ^2/NDF : 2032773.1/38

0.004+/-0.000 χ^2/NDF : 2197294.3/38

yield_bpm0l10X_mean vs slug



Right In: -0.947+/-0.000 χ^2/NDF : 662253046.3/17

Left Out: -1.002+/-0.000 χ^2/NDF : 38378520.7/20

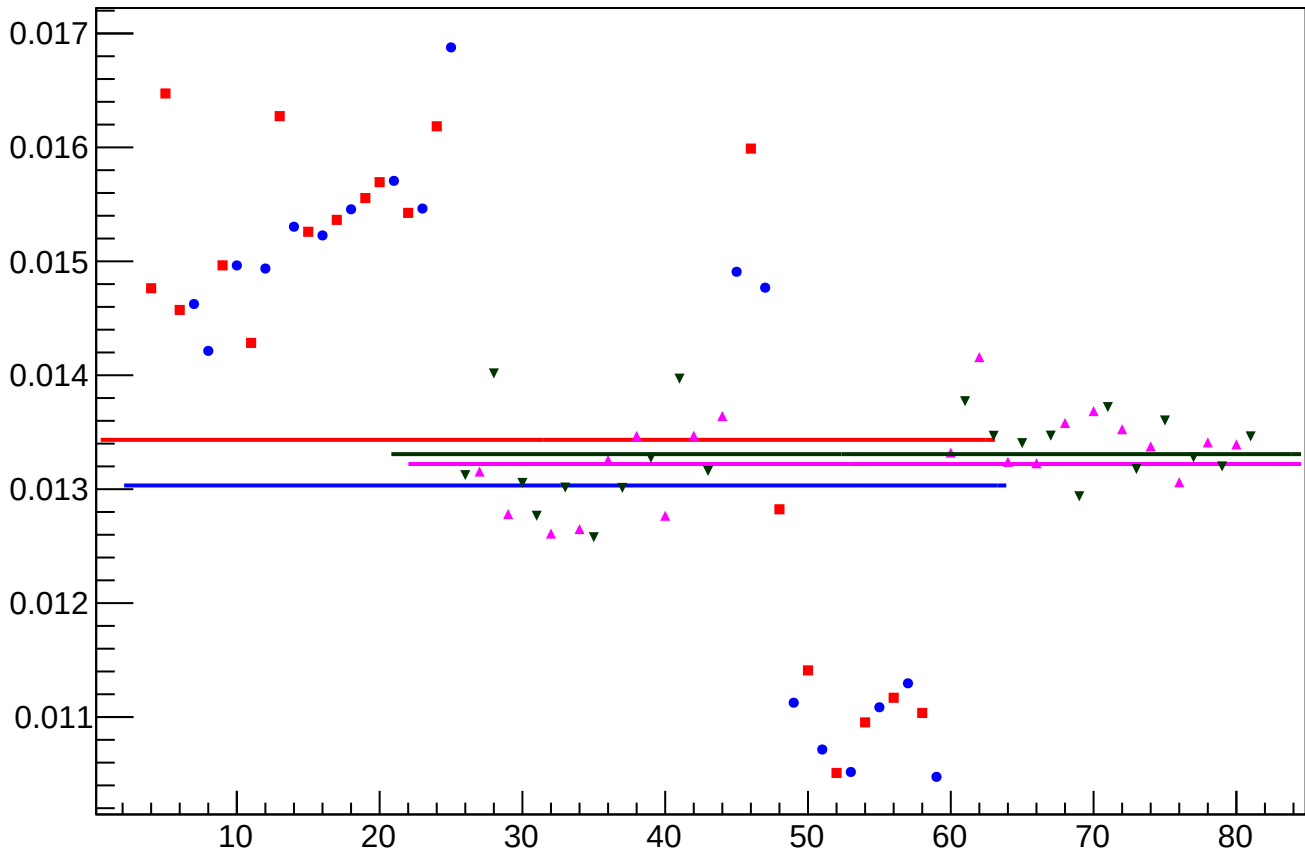
Right Out: -0.974+/-0.000 χ^2/NDF : 174691792.1/18

Left In: -0.993+/-0.000 χ^2/NDF : 78866261.3/19

-0.974+/-0.000 χ^2/NDF : 795336047.0/38

-0.984+/-0.000 χ^2/NDF : 263983098.8/38

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 : 16598.9/20

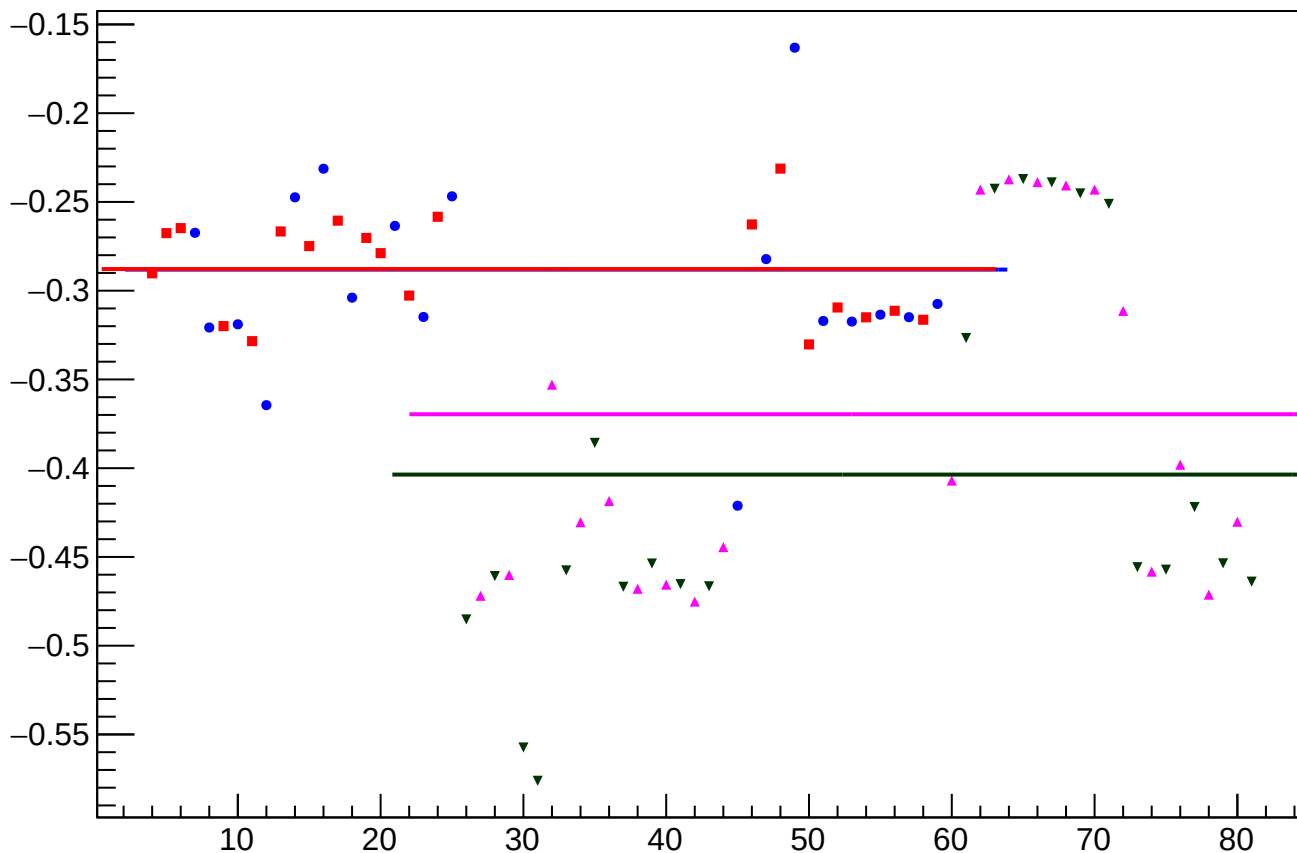
Right Out: 0.013+/-0.000 χ^2/NDF : 479245.1/18

Left In: 0.013+/-0.000 χ^2/NDF : 18207.1/19

0.013+/-0.000 χ^2/NDF : 609108.0/38

0.013+/-0.000 χ^2/NDF : 500012.4/38

yield_bpm0l10Y_mean vs slug



Right In: -0.288+/-0.000 χ^2/NDF : 2601289511.6/17

Left Out: -0.404+/-0.000 χ^2/NDF :13890438130.5/20

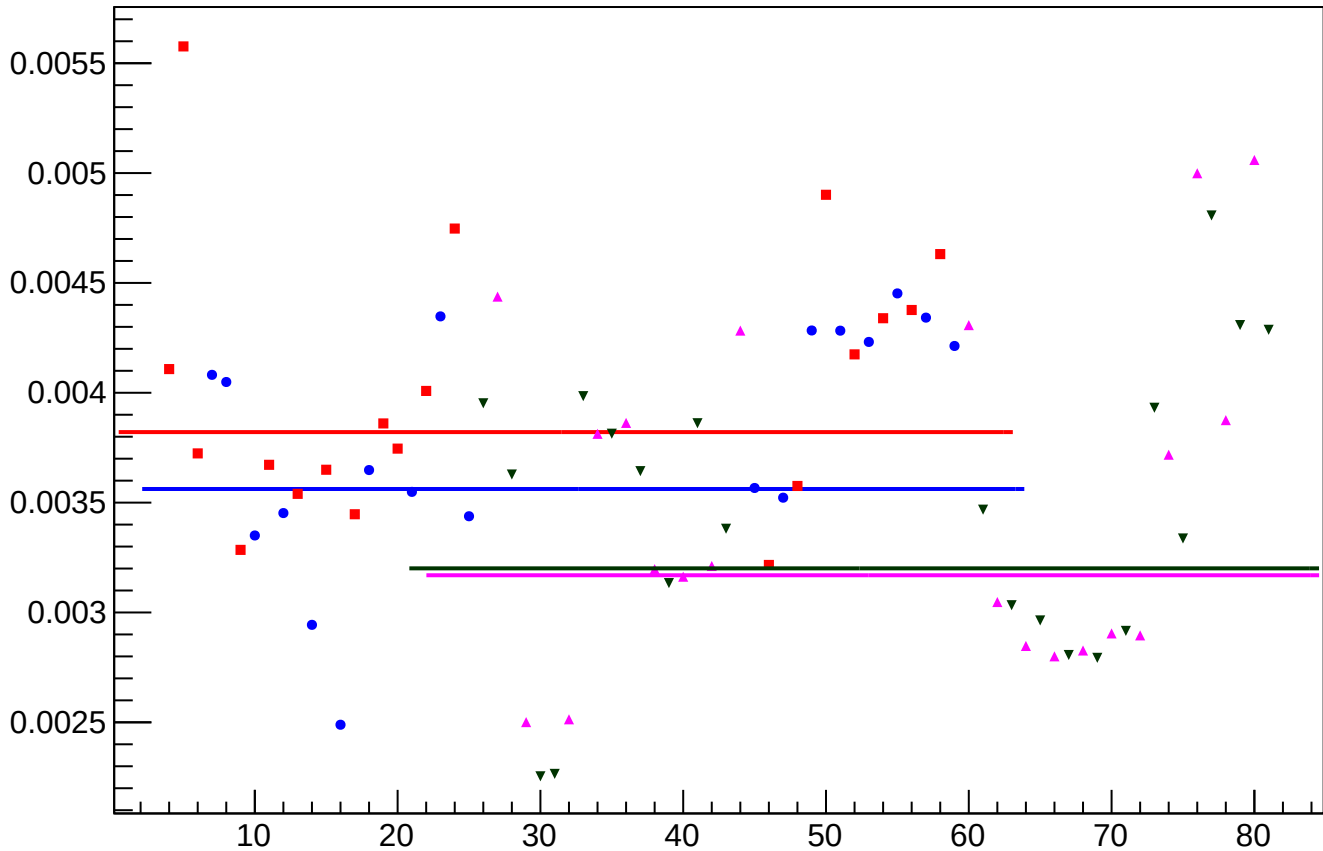
Right Out: -0.288+/-0.000 χ^2/NDF : 515794849.9/18

Left In: -0.370+/-0.000 χ^2/NDF :9180380584.6/19

-0.350+/-0.000 χ^2/NDF : 22390836663.5/38

-0.338+/-0.000 χ^2/NDF : 12278876791.5/38

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: 795241.1/20

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 282191.6/18

Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 939973.3/19

0.003 $\pm$ 0.000 χ^2 /NDF: 1499379.7/38

0.003 $\pm$ 0.000 χ^2 /NDF: 1549815.2/38