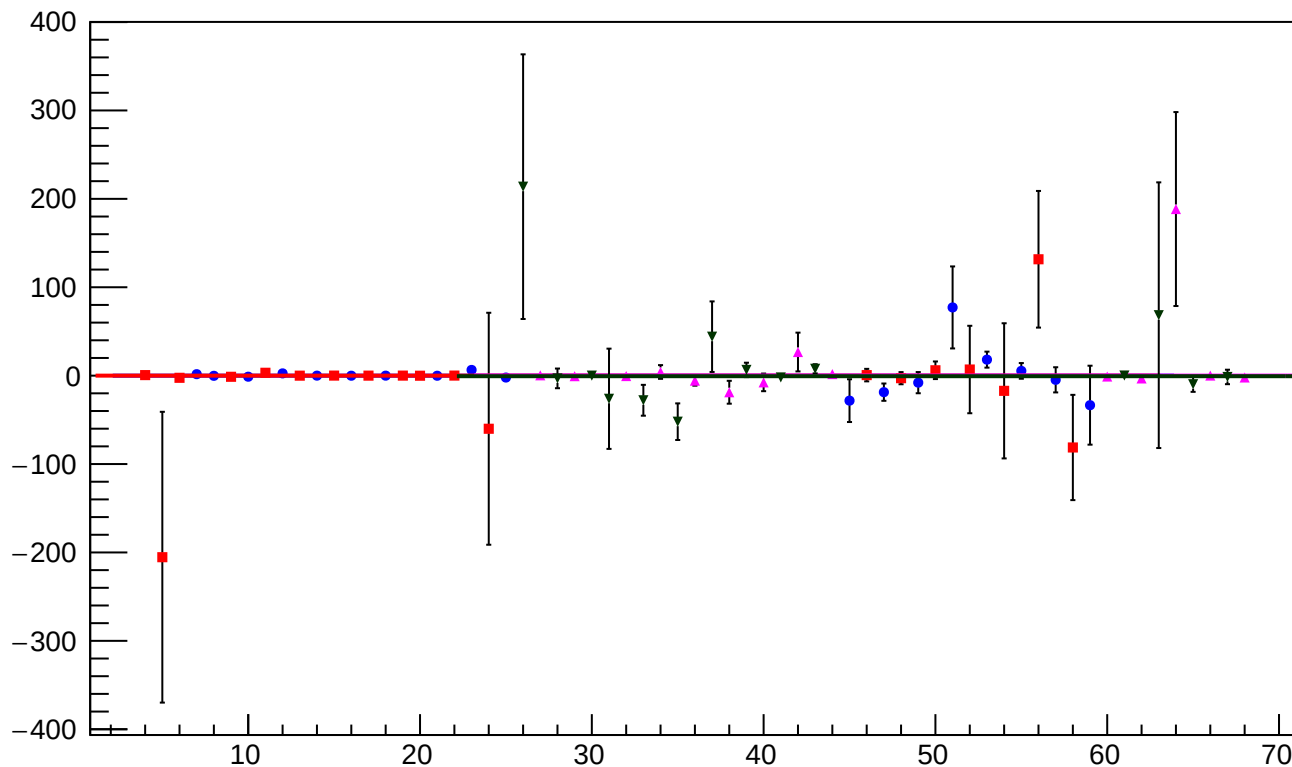


diff_cav4bX_mean vs slug



Right In: -0.014 $\pm$ 0.014

χ^2 /NDF: 31.2/17

Left Out: -0.617 $\pm$ 1.227

χ^2 /NDF: 17.5/13

Right Out: 0.017 $\pm$ 0.016

χ^2 /NDF: 24.7/18

Left In: 0.068 $\pm$ 0.073

χ^2 /NDF: 21.0/13

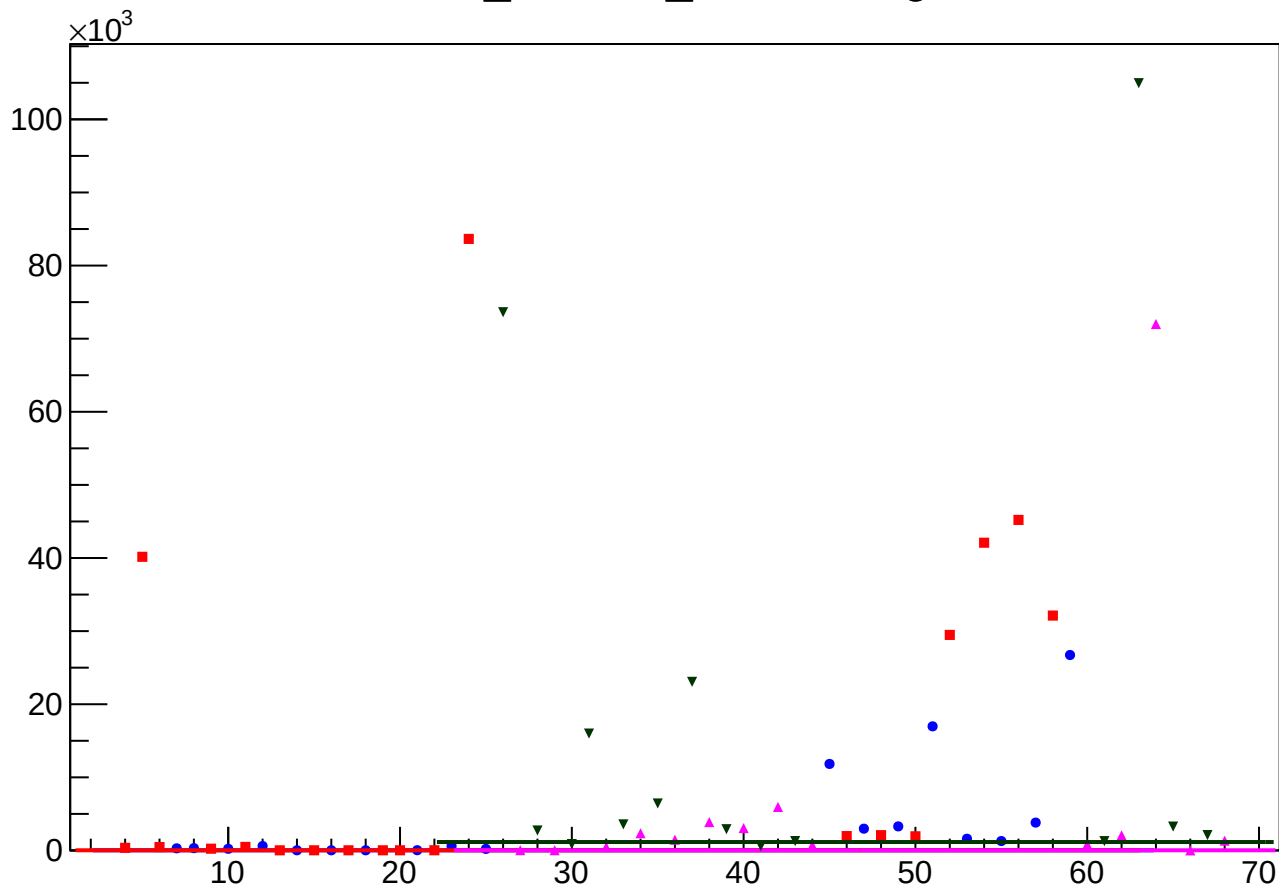
-0.014 $\pm$ 0.014

χ^2 /NDF: 49.0/31

0.019 $\pm$ 0.016

χ^2 /NDF: 46.2/32

diff_cav4bX_rms vs slug



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

Left Out: 1151.781 ± 0.867 χ^2/NDF : 2779857.4/13

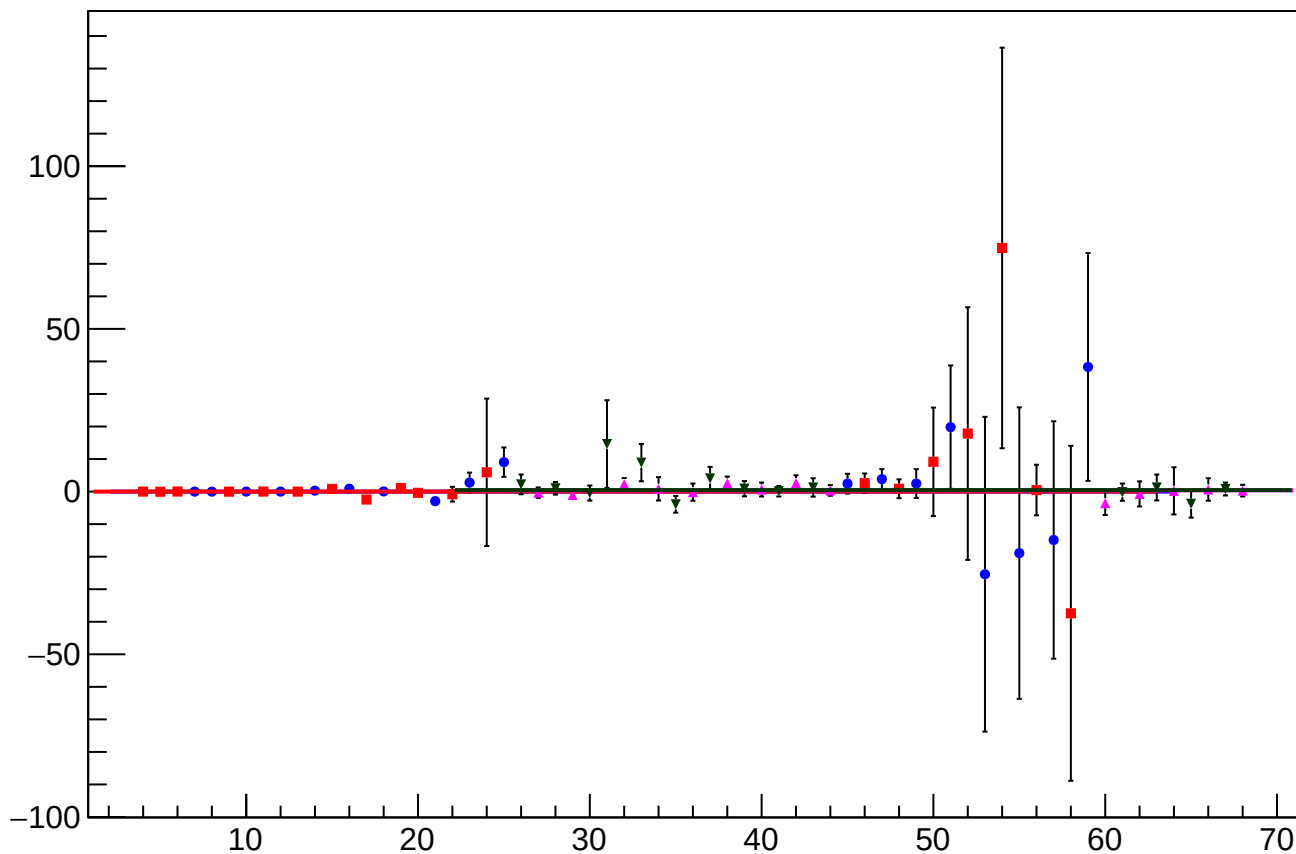
Right Out: 22.611 ± 0.011 χ^2/NDF : 4395534.2/18

Left In: 23.776 ± 0.052 χ^2/NDF : 3891459.7/13

22.583 ± 0.010 χ^2/NDF : 7279140.9/31

22.665 ± 0.011 χ^2/NDF : 8287481.3/32

diff_cav4bY_mean vs slug



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

Left Out: 0.454 ± 0.701 χ^2/NDF : 9.0/13

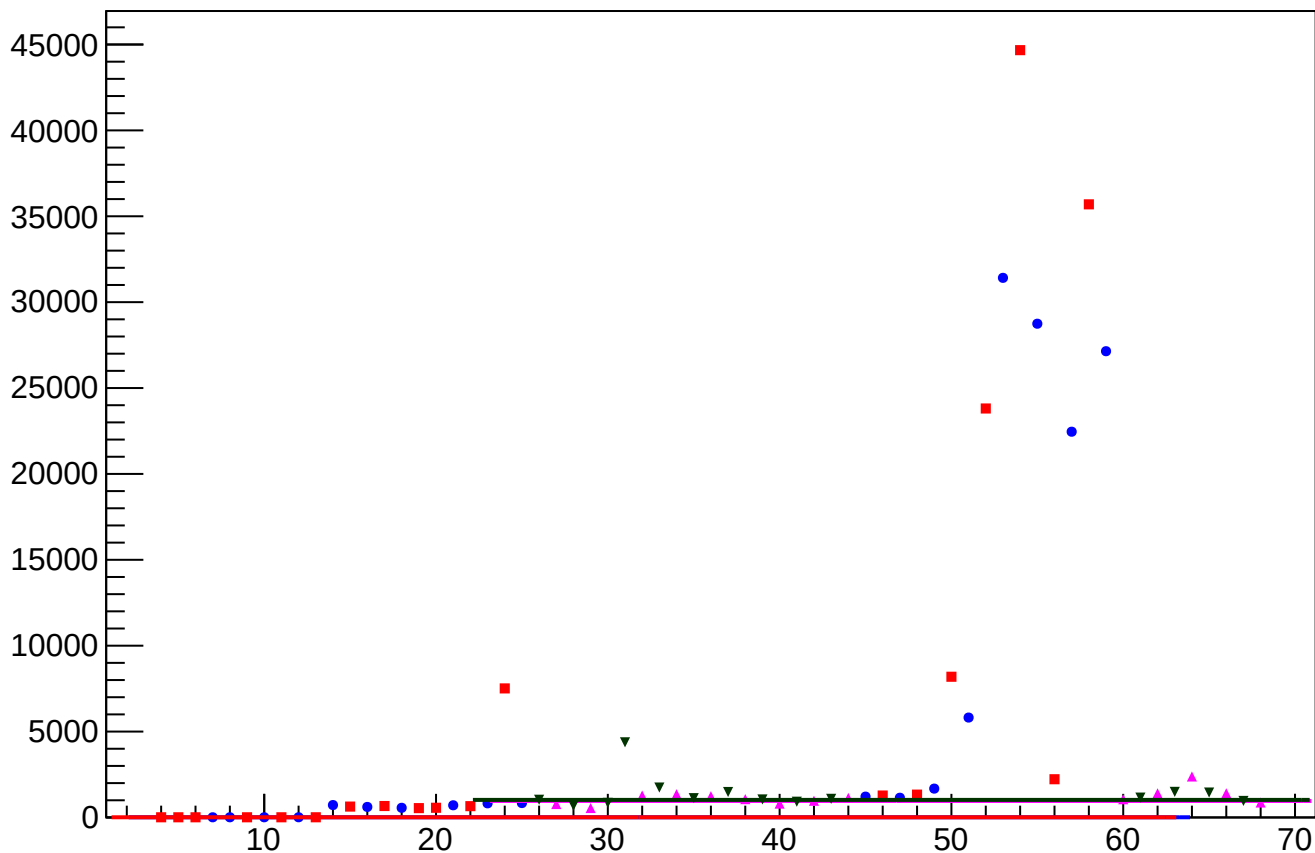
Right Out: 0.002 ± 0.005 χ^2/NDF : 20.3/18

Left In: 0.384 ± 0.578 χ^2/NDF : 5.6/13

-0.001 ± 0.006 χ^2/NDF : 33.0/31

0.002 ± 0.005 χ^2/NDF : 26.4/32

diff_cav4bY_rms vs slug



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

Left Out: 1022.025+/-0.496 χ^2/NDF : 328506.3/13

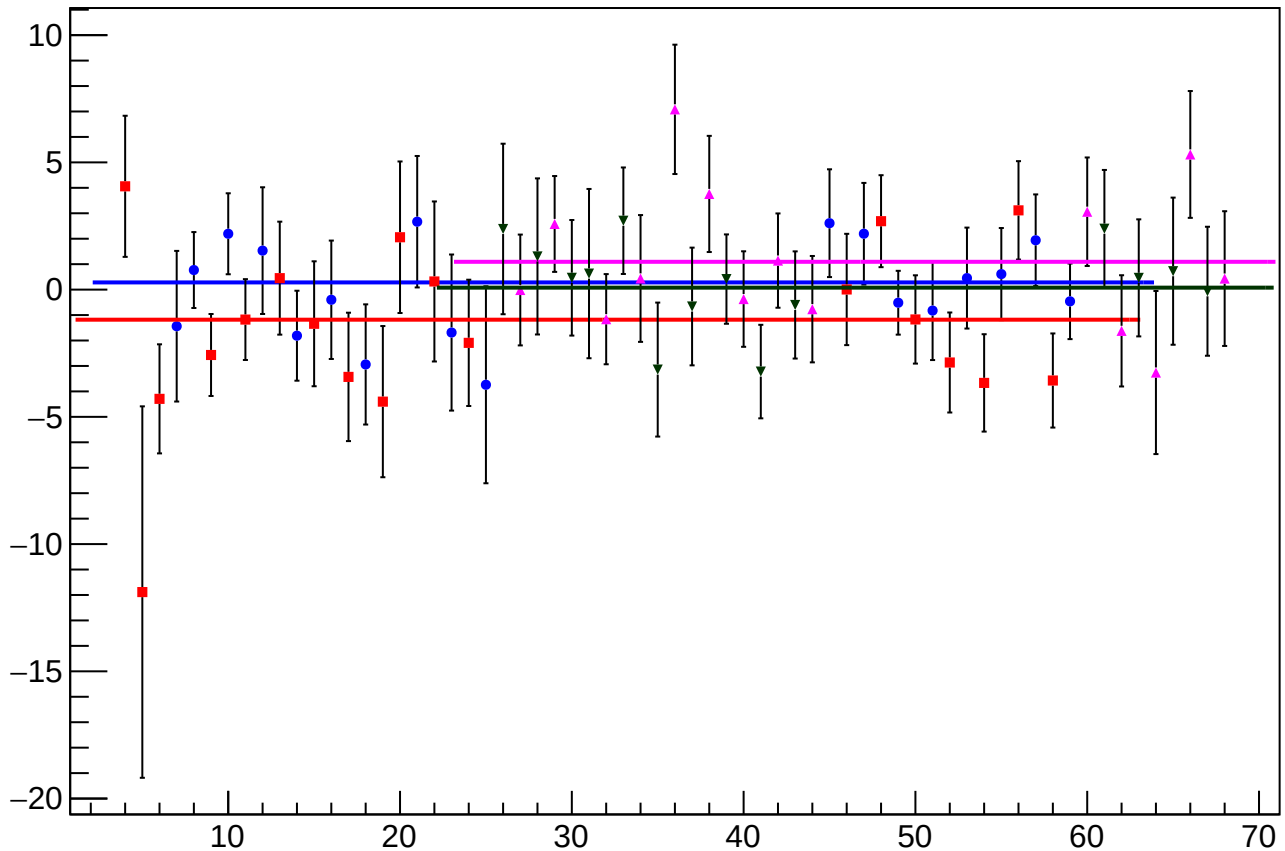
Right Out: 10.086+/-0.004 χ^2/NDF : 6750125.6/18

Left In: 959.938+/-0.408 χ^2/NDF : 497318.8/13

10.594+/-0.005 χ^2/NDF : 13448634.5/31

10.171+/-0.004 χ^2/NDF : 12654938.3/32

diff_cav4cX_mean vs slug



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

Left Out: 0.077 ± 0.628 $\chi^2/\text{NDF}: 8.3/13$

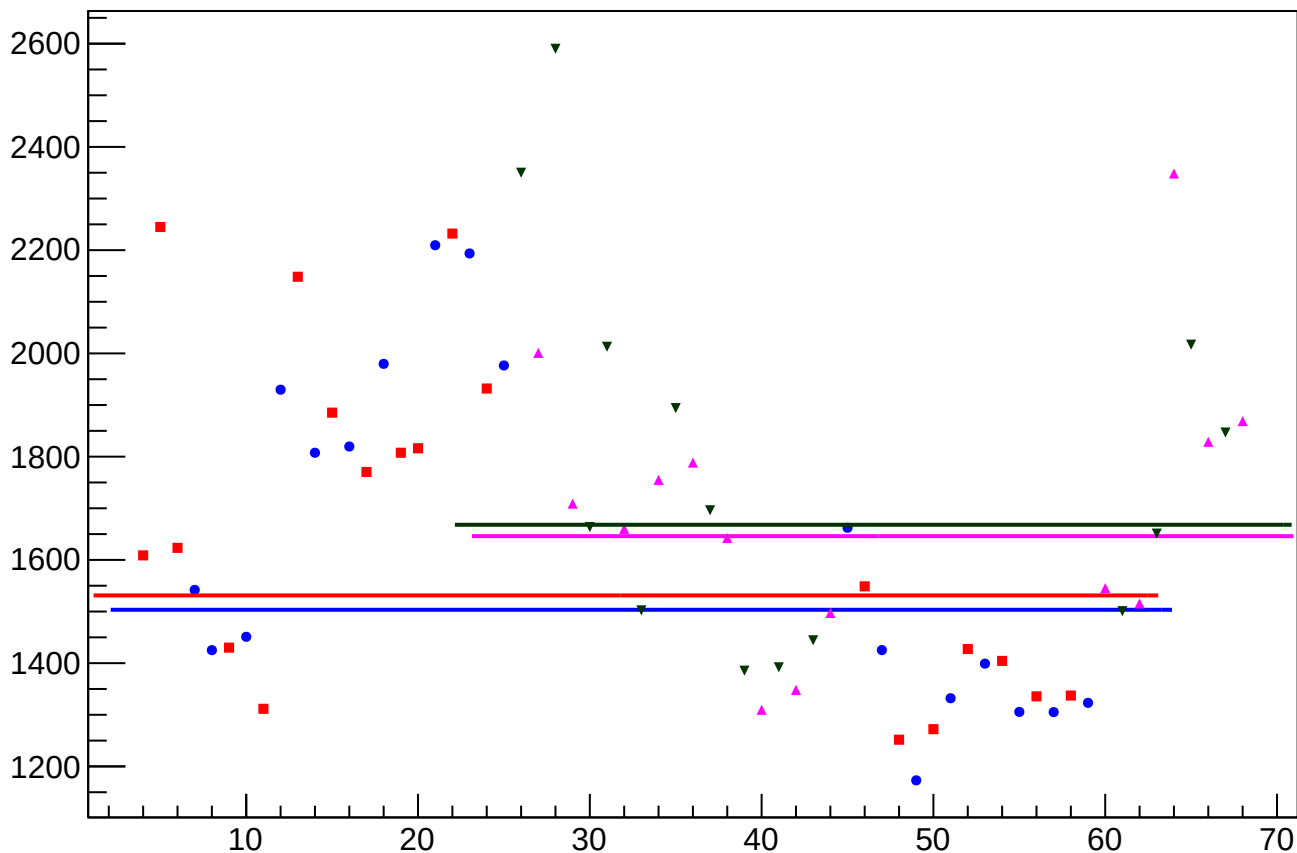
Right Out: -1.182 ± 0.494 $\chi^2/\text{NDF}: 26.5/18$

Left In: 1.093 ± 0.582 $\chi^2/\text{NDF}: 18.1/13$

0.212 ± 0.369 $\chi^2/\text{NDF}: 20.2/31$

-0.230 ± 0.376 $\chi^2/\text{NDF}: 53.5/32$

diff_cav4cX_rms vs slug



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

Left Out: 1668.064+/-0.444 χ^2/NDF : 481948.1/13

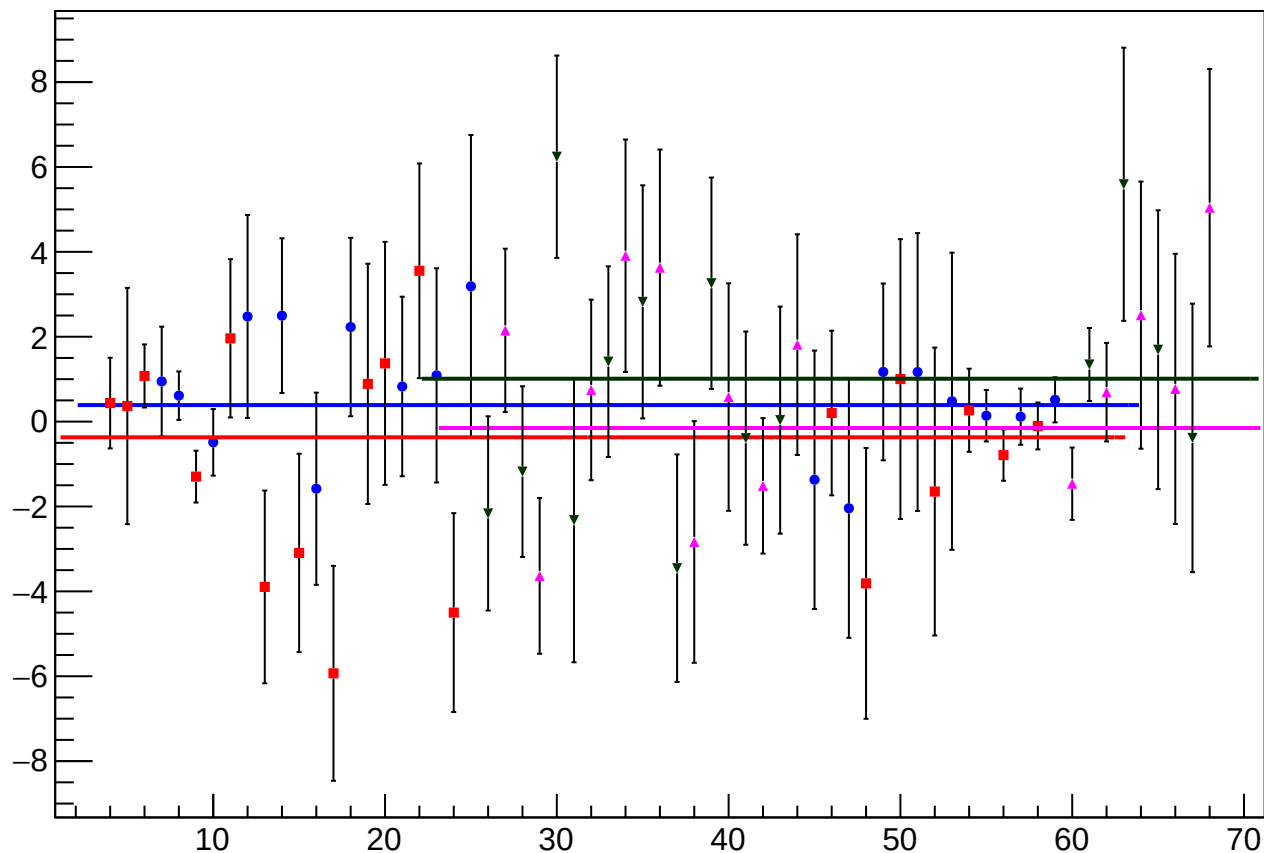
Right Out: 1531.211+/-0.349 χ^2/NDF : 621310.9/18

Left In: 1646.005+/-0.411 χ^2/NDF : 324240.3/13

1560.171+/-0.261 χ^2/NDF : 1348867.7/31

1579.257+/-0.266 χ^2/NDF : 990816.7/32

diff_cav4cY_mean vs slug



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

Left Out: 1.010 ± 0.553 χ^2/NDF : 15.8/13

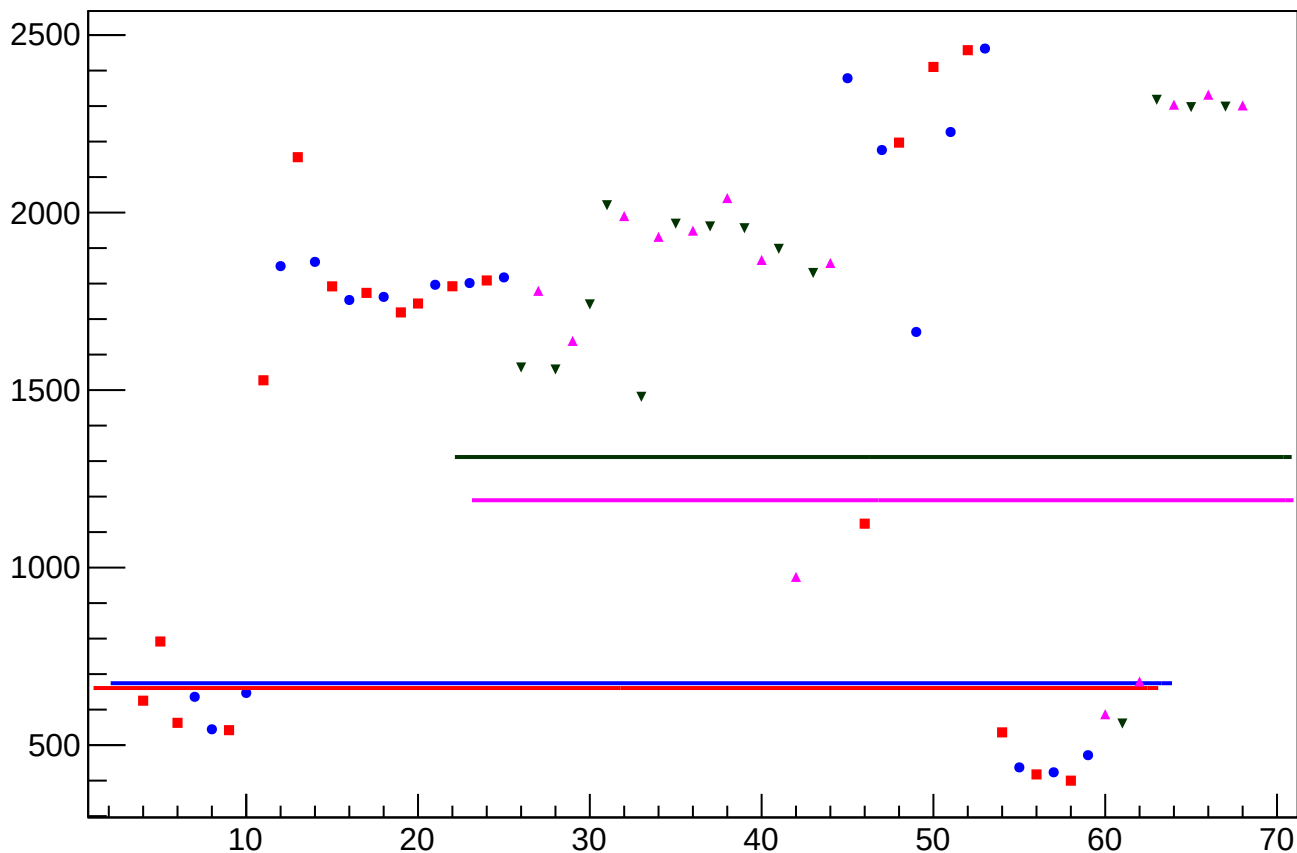
Right Out: -0.369 ± 0.263 χ^2/NDF : 25.7/18

Left In: -0.151 ± 0.484 χ^2/NDF : 17.7/13

0.496 ± 0.229 χ^2/NDF : 24.4/31

-0.320 ± 0.231 χ^2/NDF : 43.6/32

diff_cav4cY_rms vs slug



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

Left Out: 1311.460+/-0.391 χ^2/NDF :2865138.2/13

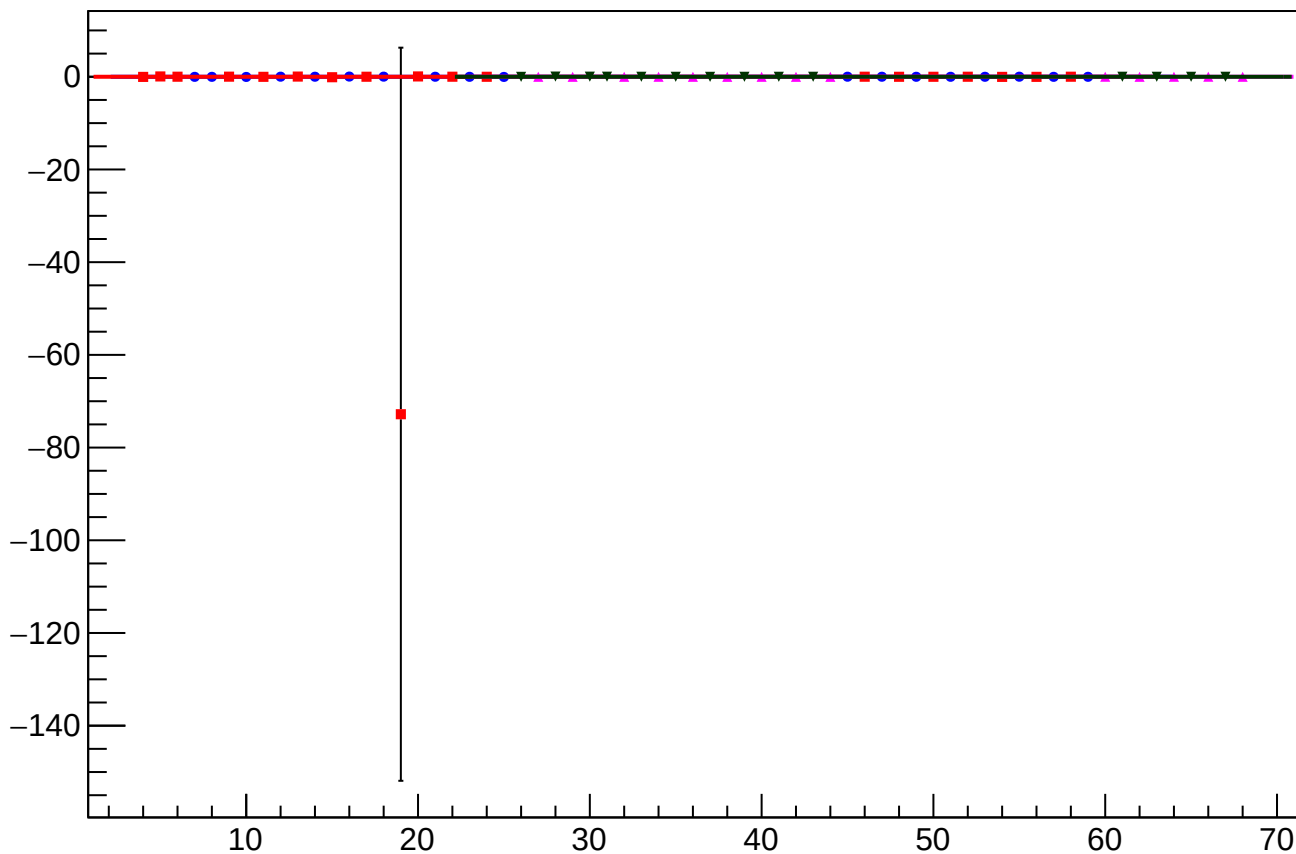
Right Out: 660.761+/-0.186 χ^2/NDF : 6222915.7/18

Left In: 1189.753+/-0.342 χ^2/NDF :3488378.9/13

783.638+/-0.162 χ^2/NDF : 12080738.2/31

780.968+/-0.163 χ^2/NDF : 11556134.0/32

diff_cav4dX_mean vs slug



Right In: -0.000+/-0.004 χ^2/NDF : 11.9/17

Left Out: 0.001+/-0.004 χ^2/NDF : 8.9/13

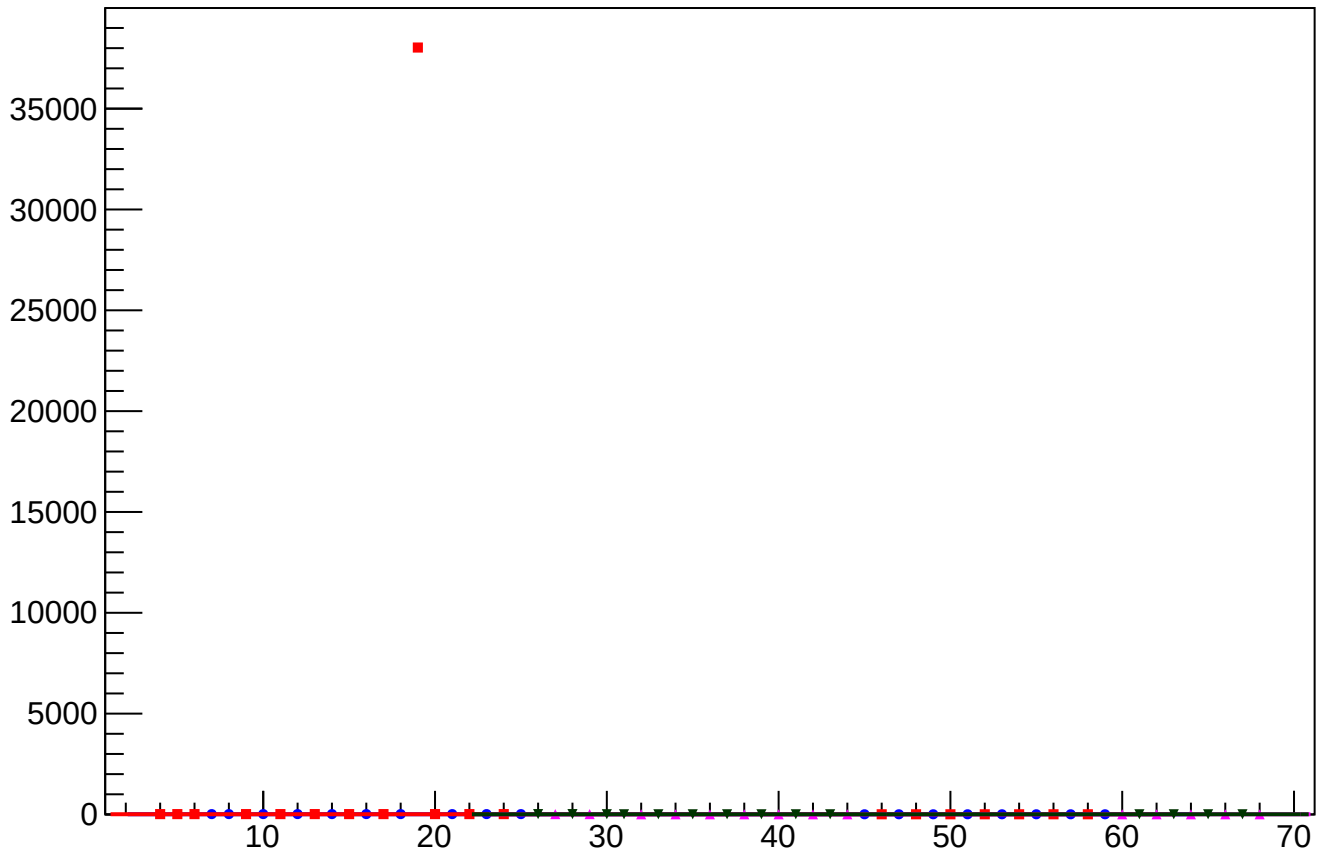
Right Out: 0.002+/-0.004 χ^2/NDF : 20.0/18

Left In: 0.001+/-0.003 χ^2/NDF : 5.6/13

0.000+/-0.003 χ^2/NDF : 20.9/31

0.001+/-0.003 χ^2/NDF : 25.6/32

diff_cav4dX_rms vs slug



Right In: 10.593+/-0.003 χ^2 /NDF: 1953039.1/17

Left Out: 9.135+/-0.002 χ^2 /NDF:607467.0/13

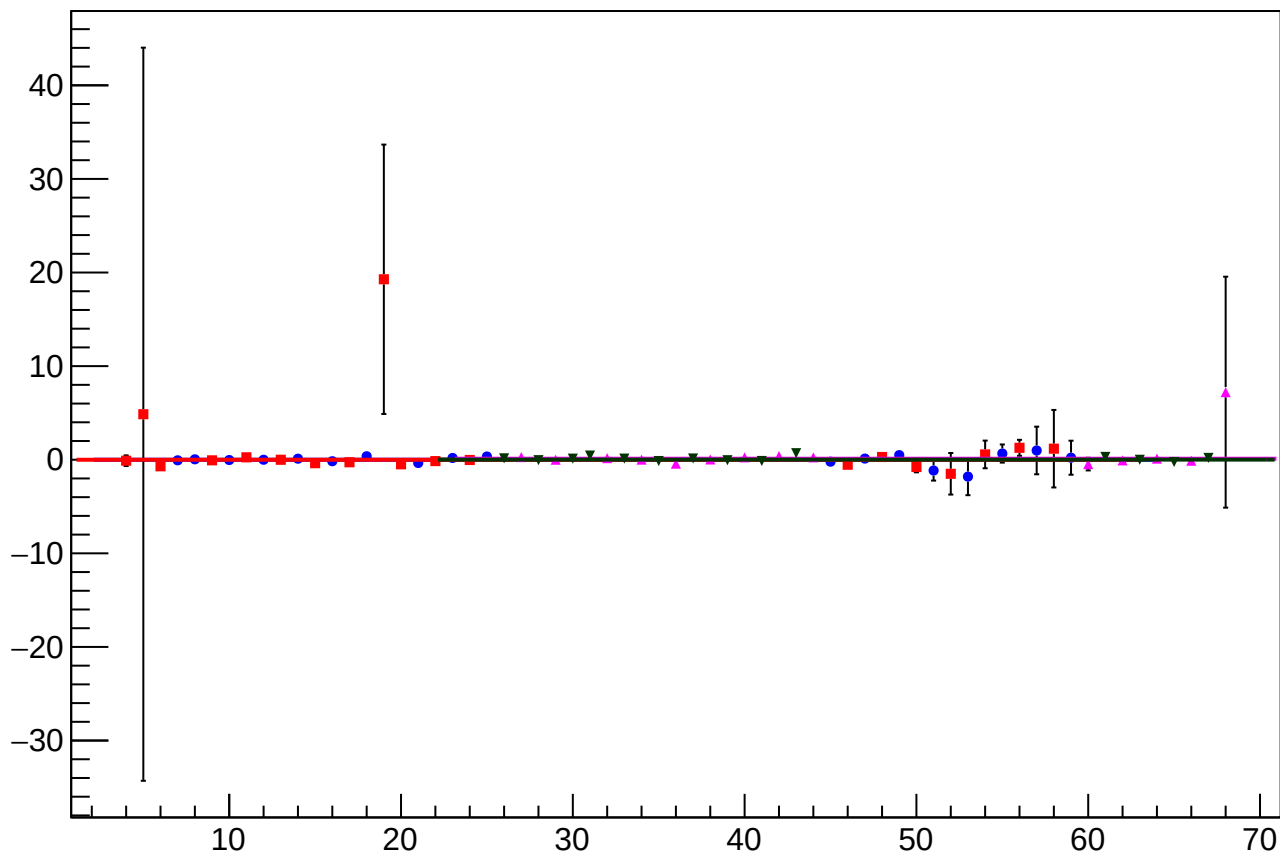
9.839+/-0.002 χ^2 /NDF: 2728024.3/31

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

9.891+/-0.002 χ^2 /NDF: 3313921.9/32

Left In: 9.117+/-0.002 χ^2 /NDF:774784.5/13

diff_cav4dY_mean vs slug



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

Left Out: 0.013 ± 0.049 χ^2/NDF : 19.1/13

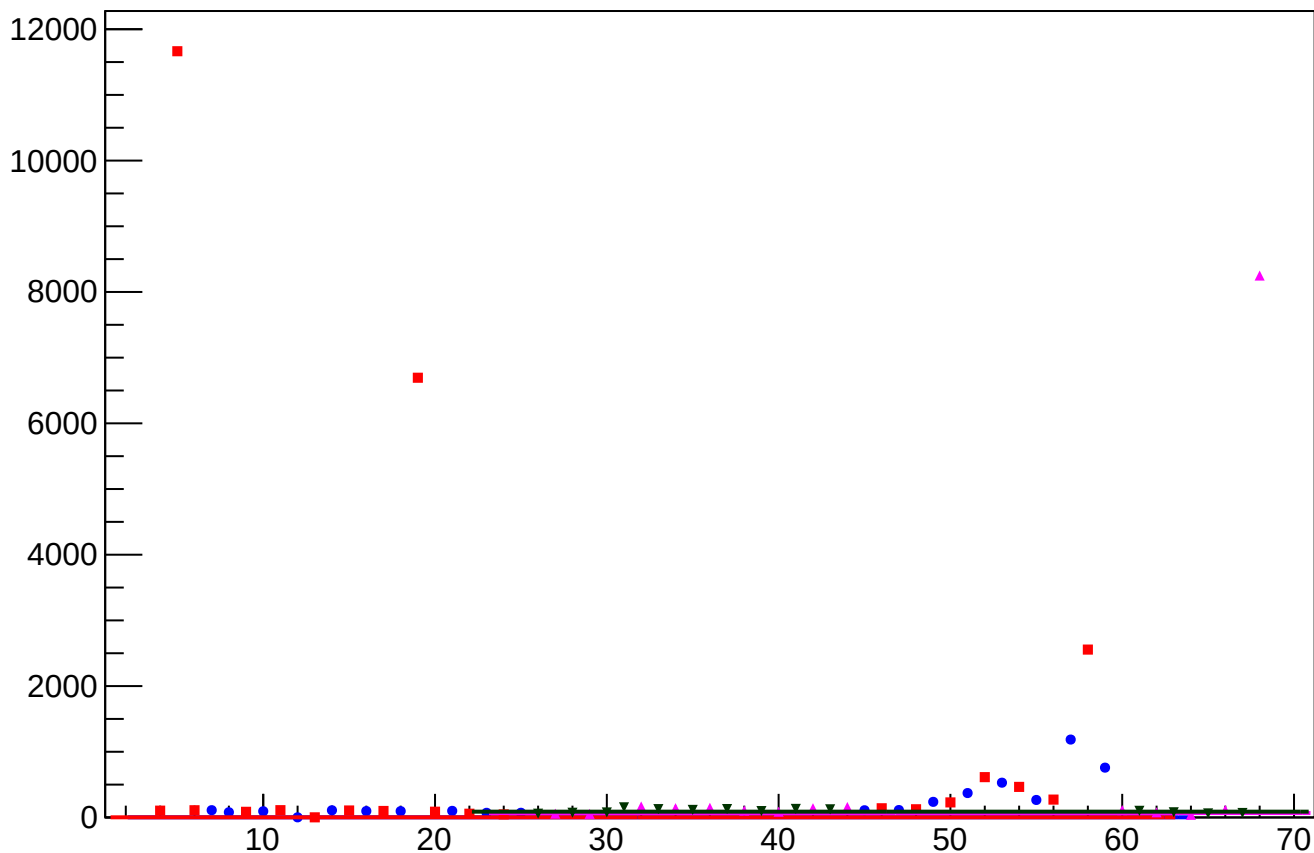
Right Out: -0.003 ± 0.003 χ^2/NDF : 21.1/18

Left In: 0.108 ± 0.039 χ^2/NDF : 12.6/13

-0.003 ± 0.003 χ^2/NDF : 40.1/31

-0.002 ± 0.003 χ^2/NDF : 41.7/32

diff_cav4dY_rms vs slug



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

Left Out: 88.131+/-0.035 χ^2/NDF : 599251.5/13

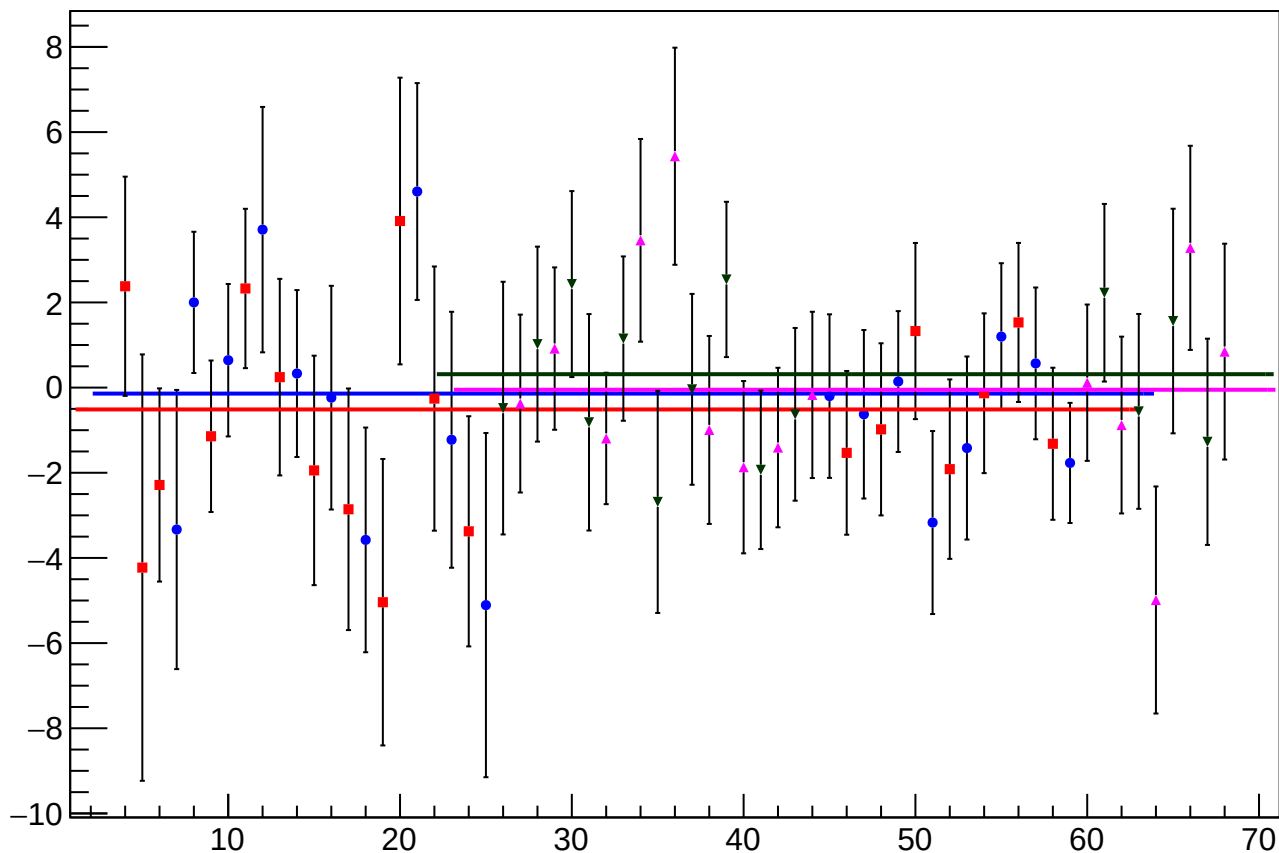
Right Out: 2.101+/-0.002 χ^2/NDF : 6716516.3/18

Left In: 67.027+/-0.028 χ^2/NDF : 2626225.7/13

2.551+/-0.002 χ^2/NDF : 15874753.3/31

2.488+/-0.002 χ^2/NDF : 14847616.8/32

diff_bpm4aX_mean vs slug



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

Left Out: 0.315 ± 0.592 χ^2/NDF : 7.6/13

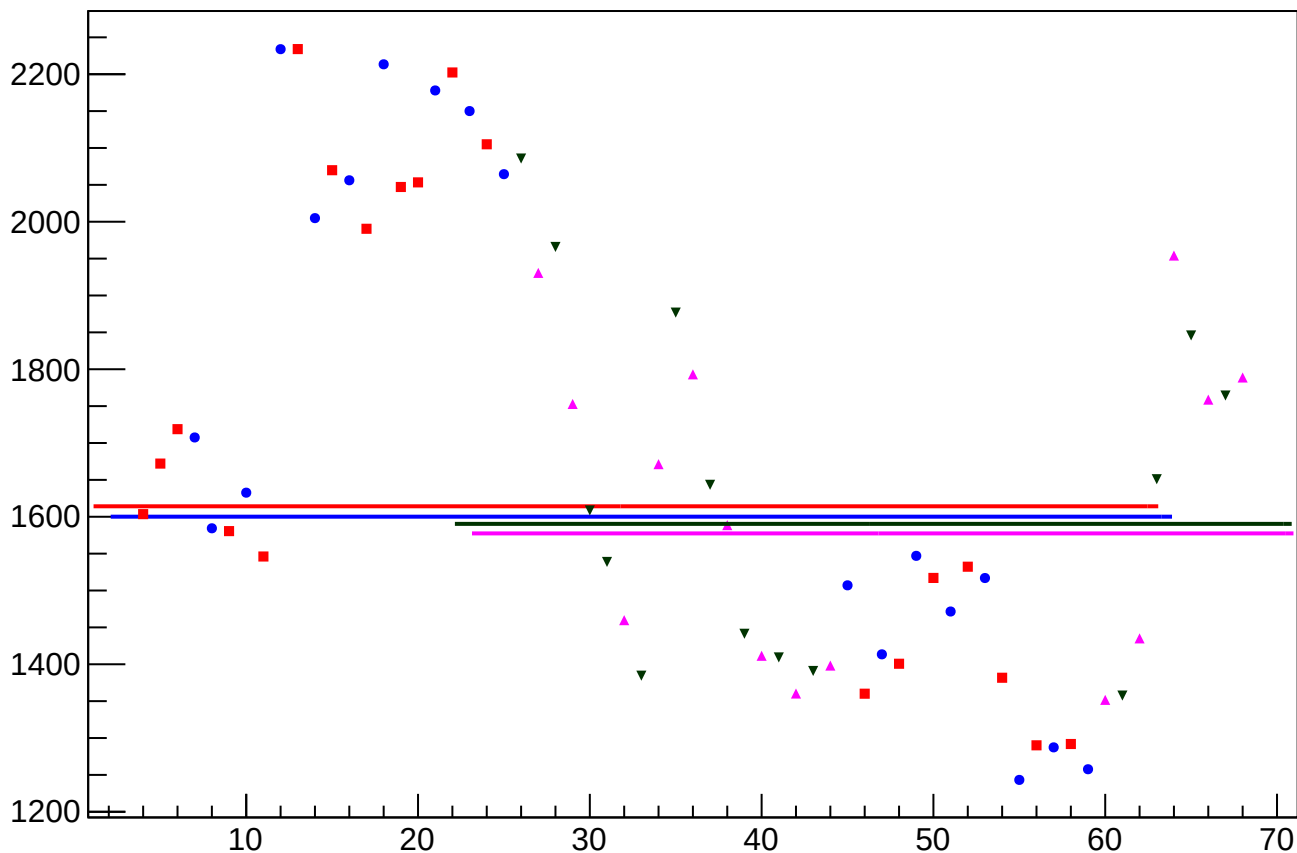
Right Out: -0.513 ± 0.519 χ^2/NDF : 13.6/18

Left In: -0.051 ± 0.555 χ^2/NDF : 14.8/13

0.042 ± 0.375 χ^2/NDF : 24.0/31

-0.297 ± 0.379 χ^2/NDF : 28.8/32

diff_bpm4aX_rms vs slug



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

Left Out: 1590.349+/-0.419 χ^2/NDF : 265532.5/13

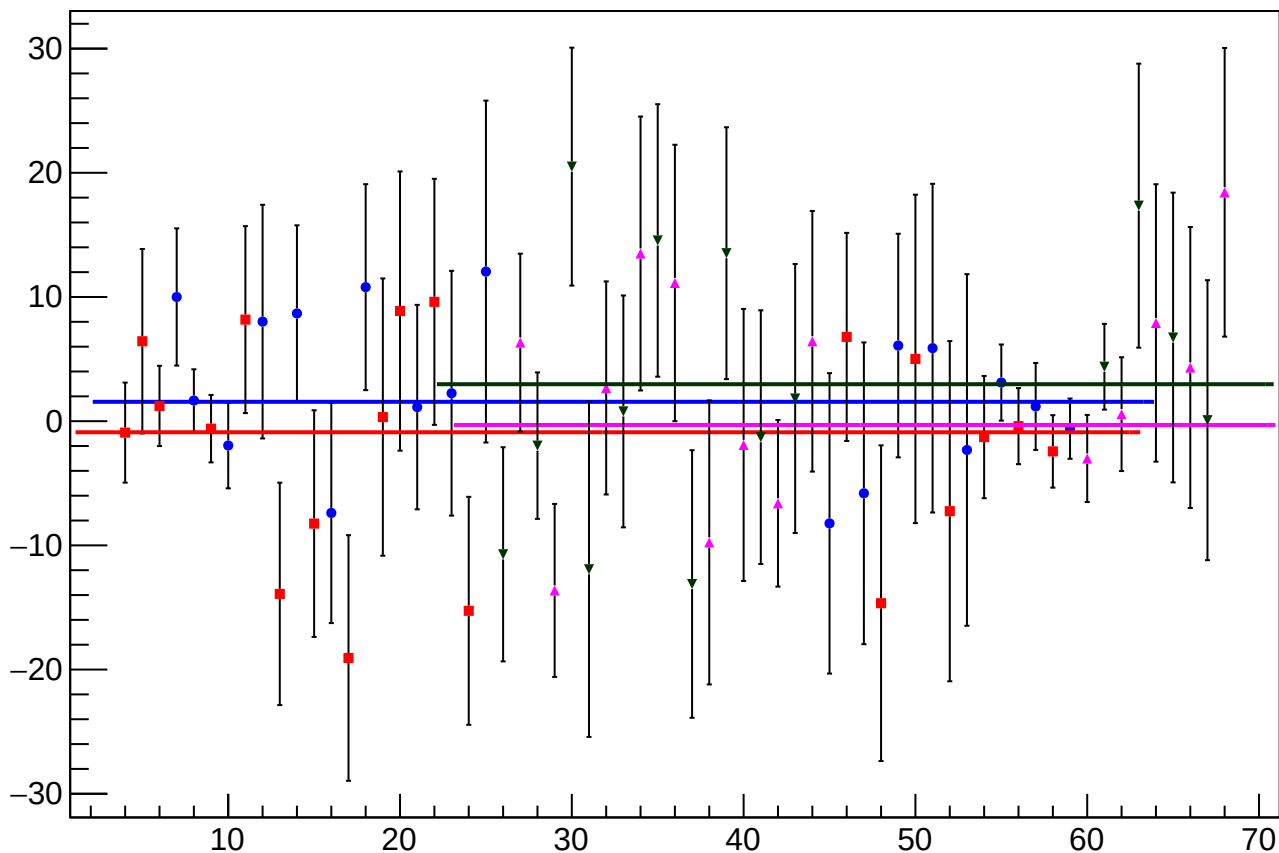
Right Out: 1614.182+/-0.367 χ^2/NDF : 670373.5/18

Left In: 1577.429+/-0.392 χ^2/NDF : 265341.1/13

1596.188+/-0.265 χ^2/NDF : 1115612.2/31

1597.024+/-0.268 χ^2/NDF : 940397.2/32

diff_bpm4aY_mean vs slug



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

Left Out: 2.977 ± 2.124 $\chi^2/\text{NDF}: 14.4/13$

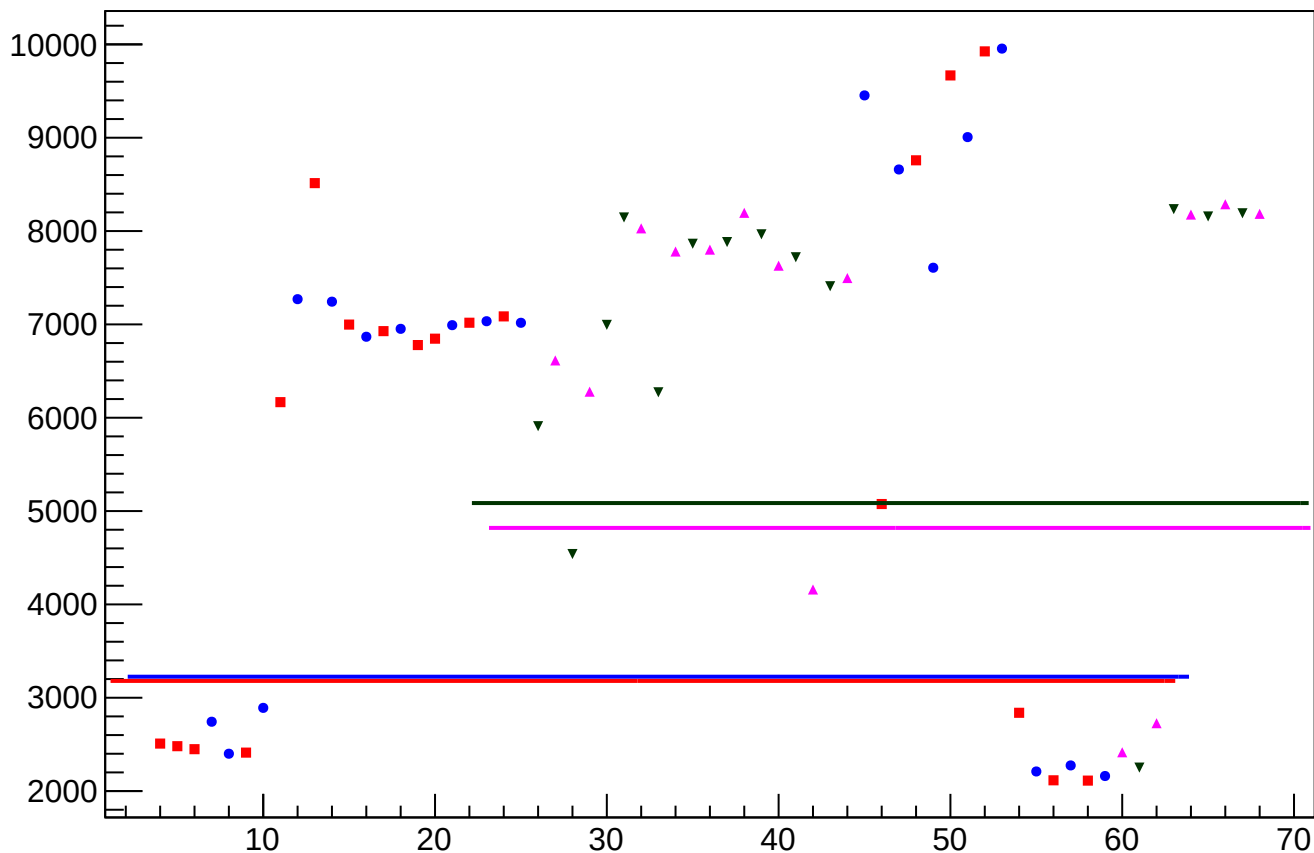
Right Out: -0.892 ± 1.197 $\chi^2/\text{NDF}: 16.1/18$

Left In: -0.307 ± 1.926 $\chi^2/\text{NDF}: 13.2/13$

1.880 ± 1.010 $\chi^2/\text{NDF}: 24.9/31$

-0.729 ± 1.017 $\chi^2/\text{NDF}: 29.4/32$

diff_bpm4aY_rms vs slug



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

Left Out: 5085.858+/-1.502 χ^2/NDF : 2689527.2/13

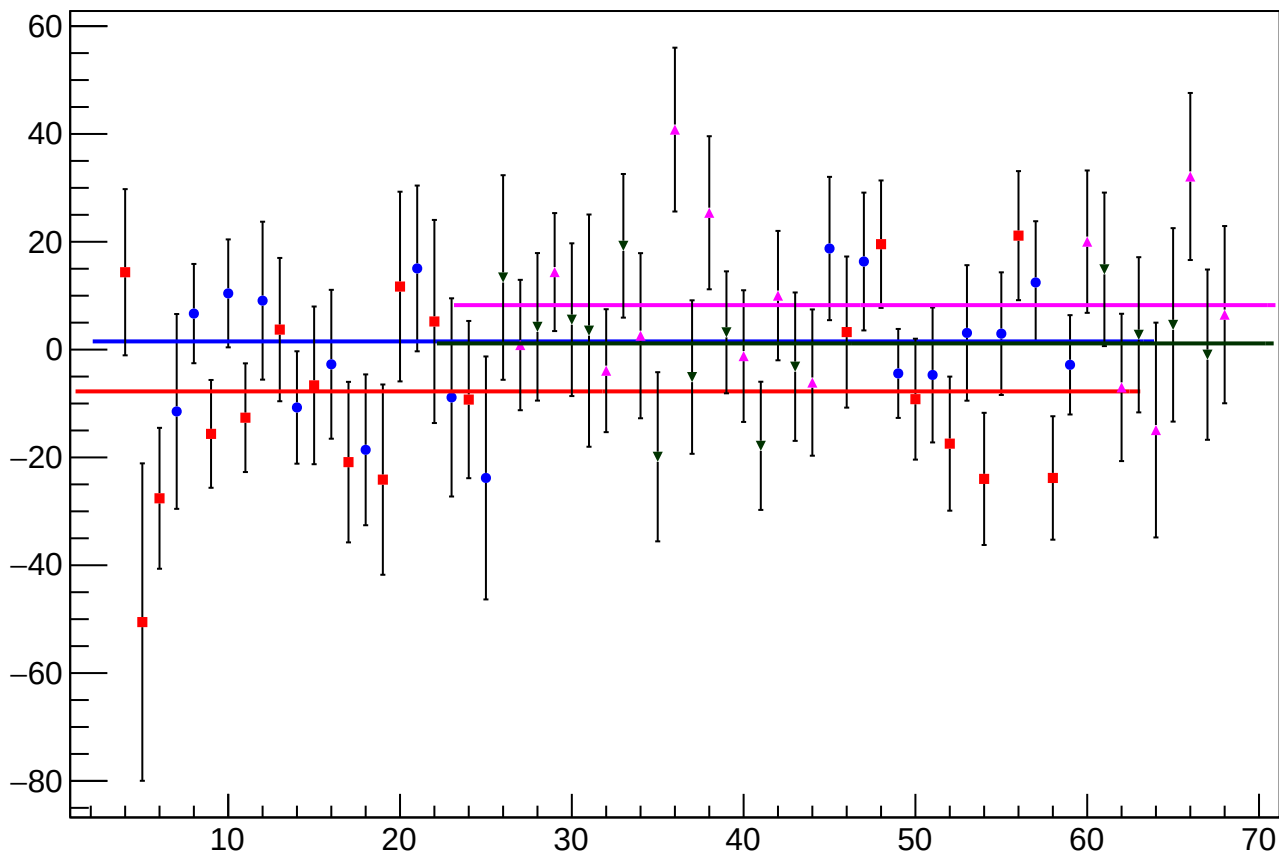
Right Out: 3180.260+/-0.846 χ^2/NDF : 5053490.5/18

Left In: 4819.570+/-1.362 χ^2/NDF : 3129002.5/13

3646.118+/-0.714 χ^2/NDF : 9737615.7/31

3636.684+/-0.719 χ^2/NDF : 9227445.3/32

diff_bpm4eX_mean vs slug



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

Left Out: 1.147 ± 3.865 χ^2/NDF : 8.1/13

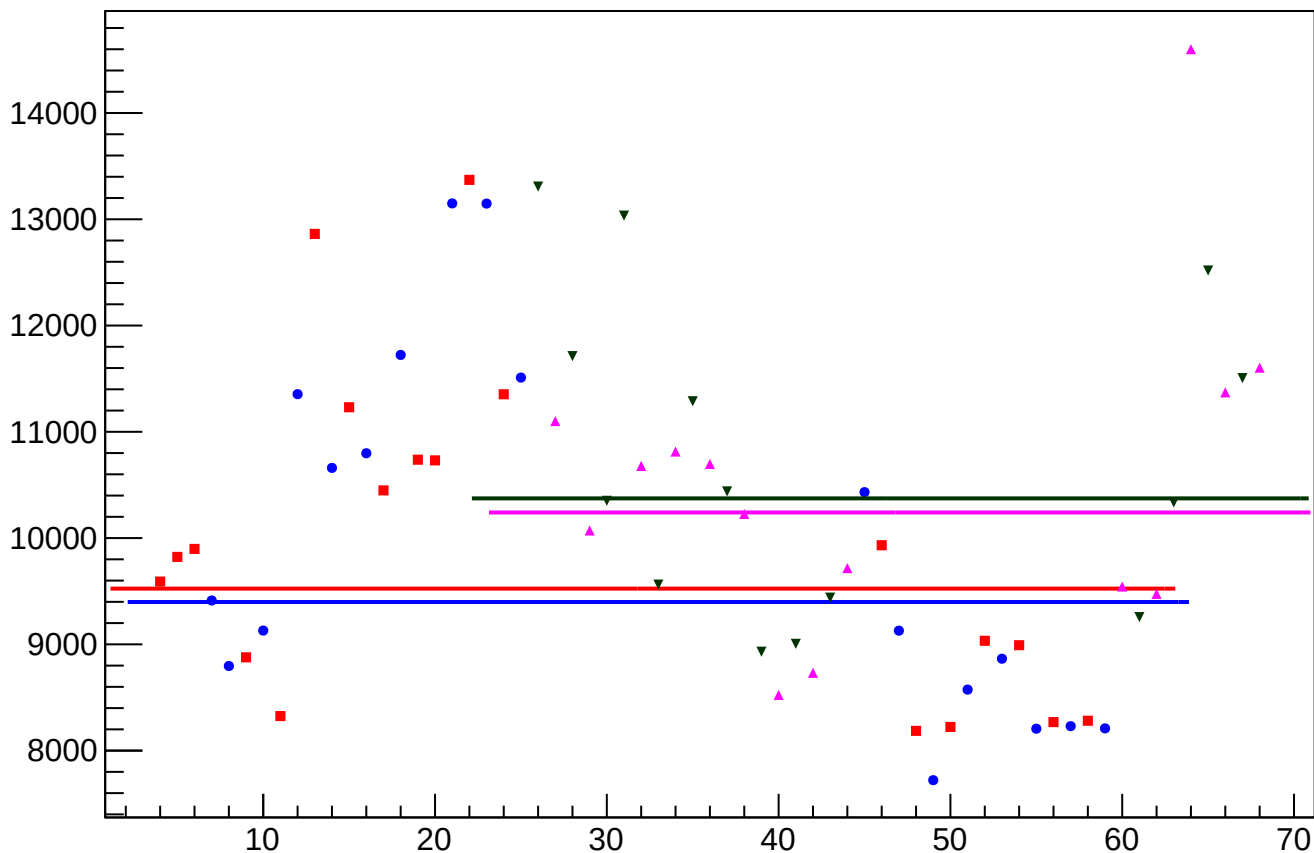
Right Out: -7.752 ± 3.046 χ^2/NDF : 27.5/18

Left In: 8.249 ± 3.604 χ^2/NDF : 15.5/13

1.390 ± 2.285 χ^2/NDF : 20.9/31

-1.085 ± 2.326 χ^2/NDF : 54.6/32

diff_bpm4eX_rms vs slug



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

Left Out: 10373.602 $\pm$ 2.733 χ^2 /NDF: 231170.5/13

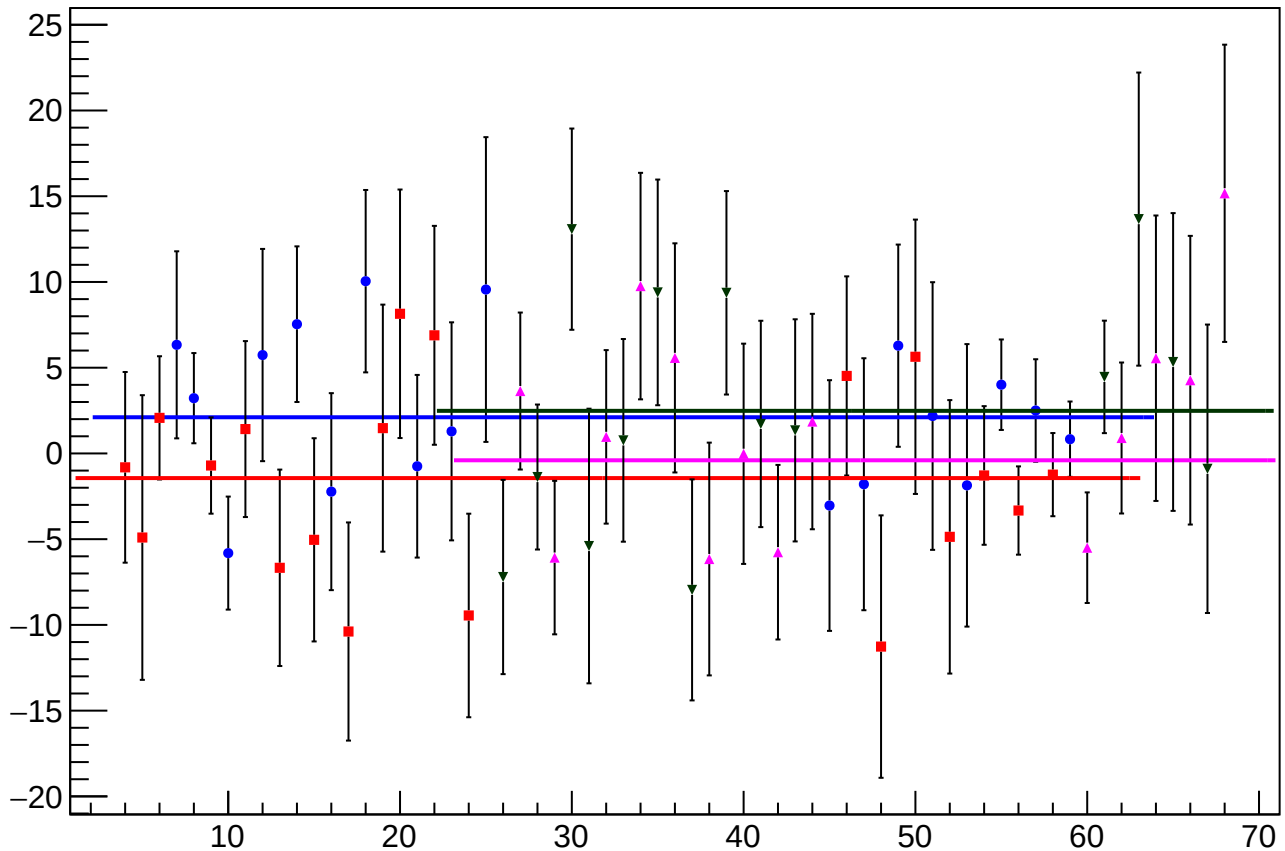
Right Out: 9524.317 $\pm$ 2.154 χ^2 /NDF: 440161.2/18

Left In: 10240.930 $\pm$ 2.548 χ^2 /NDF: 224267.5/13

9739.070 $\pm$ 1.615 χ^2 /NDF: 868879.6/31

9822.893 $\pm$ 1.645 χ^2 /NDF: 710562.3/32

diff_bpm4eY_mean vs slug



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

Left Out: 2.484 ± 1.540 χ^2/NDF : 15.5/13

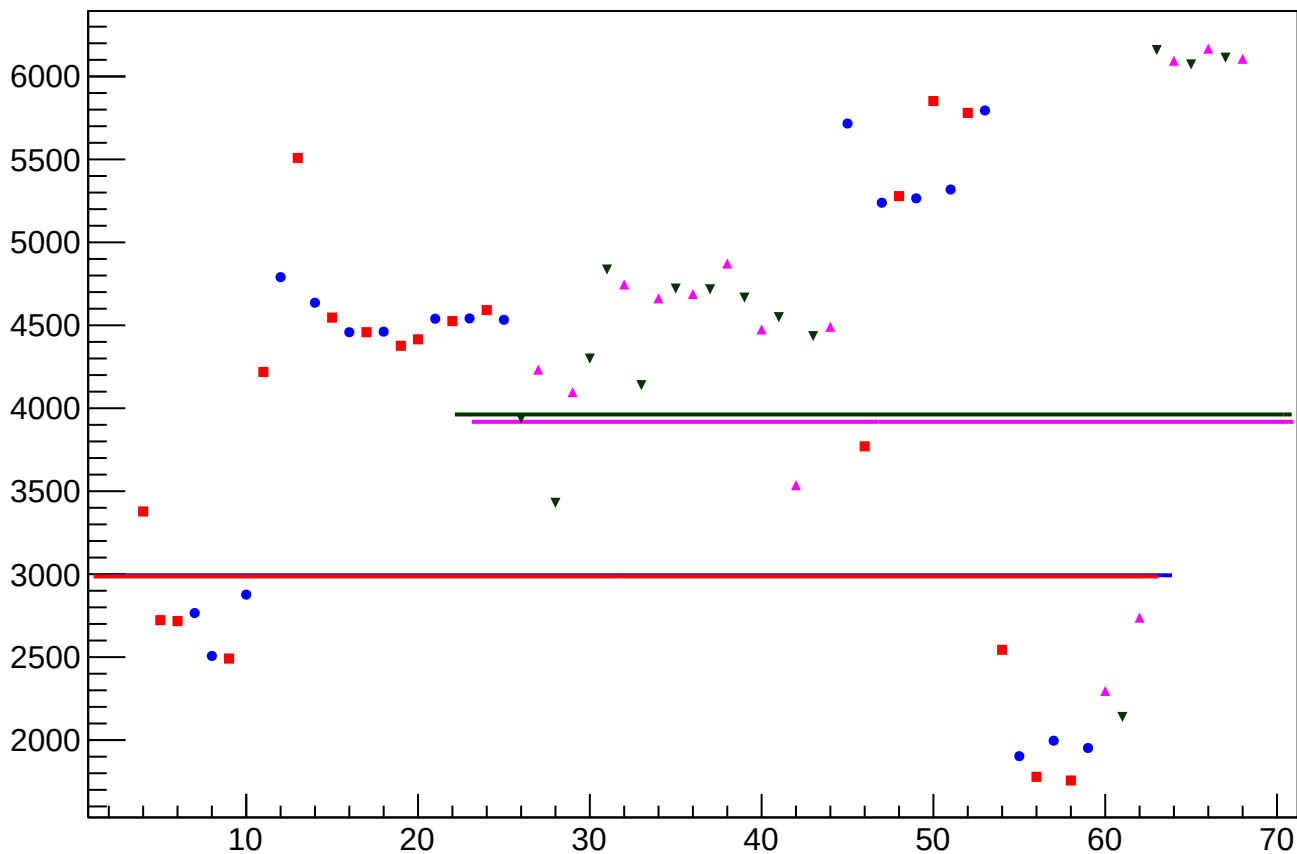
2.218 ± 0.826 χ^2/NDF : 30.1/31

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

-1.082 ± 0.843 χ^2/NDF : 28.9/32

Left In: -0.400 ± 1.441 χ^2/NDF : 14.2/13

diff_bpm4eY_rms vs slug



Right In: 2993.228+/-0.692 χ^2/NDF : 3318124.3/17

Left Out: 3962.597+/-1.089 χ^2/NDF :1174724.0/13

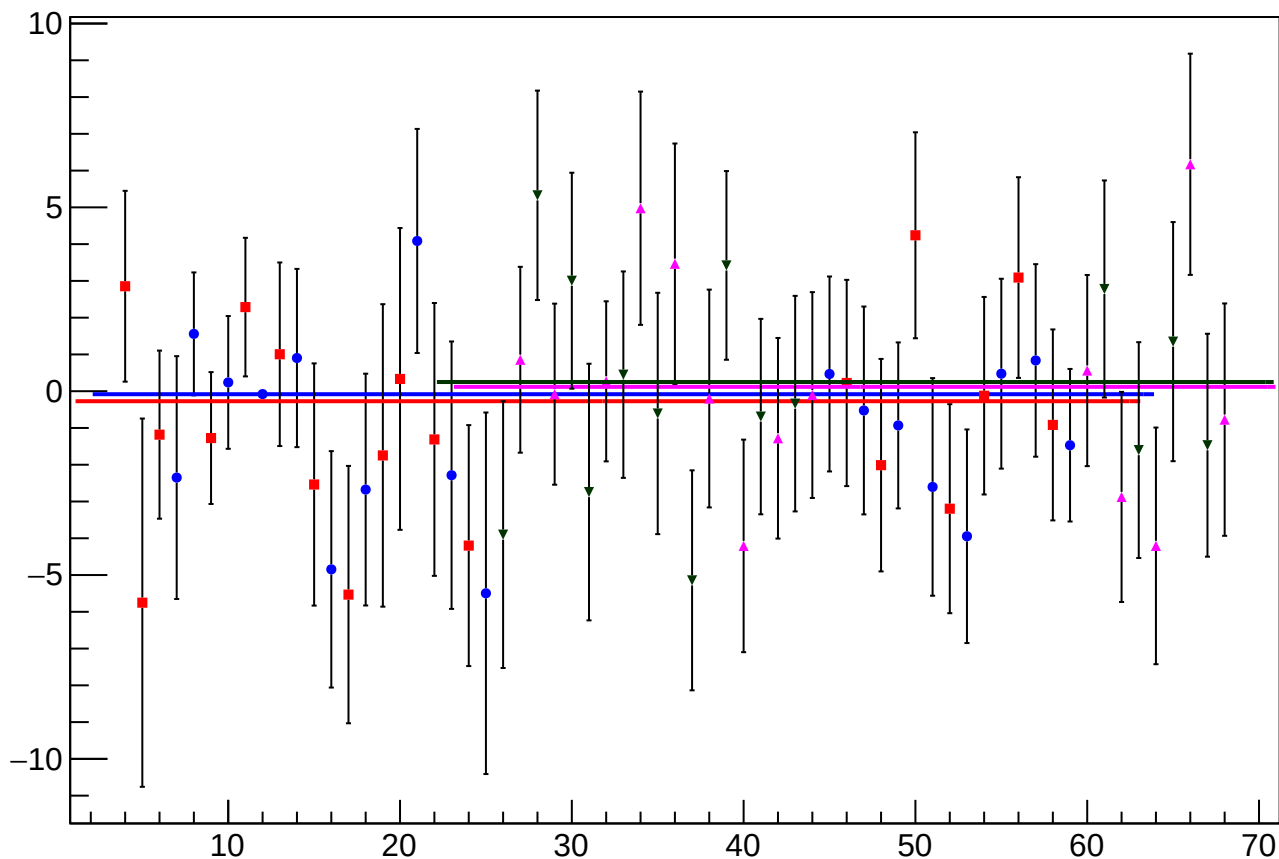
Right Out: 2986.116+/-0.736 χ^2/NDF : 2945634.2/18

Left In: 3918.198+/-1.019 χ^2/NDF :1257531.4/13

3272.175+/-0.584 χ^2/NDF : 5056984.8/31

3305.415+/-0.596 χ^2/NDF : 4753211.5/32

diff_bpm4acX_mean vs slug



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

Left Out: 0.250 ± 0.797 χ^2/NDF : 12.7/13

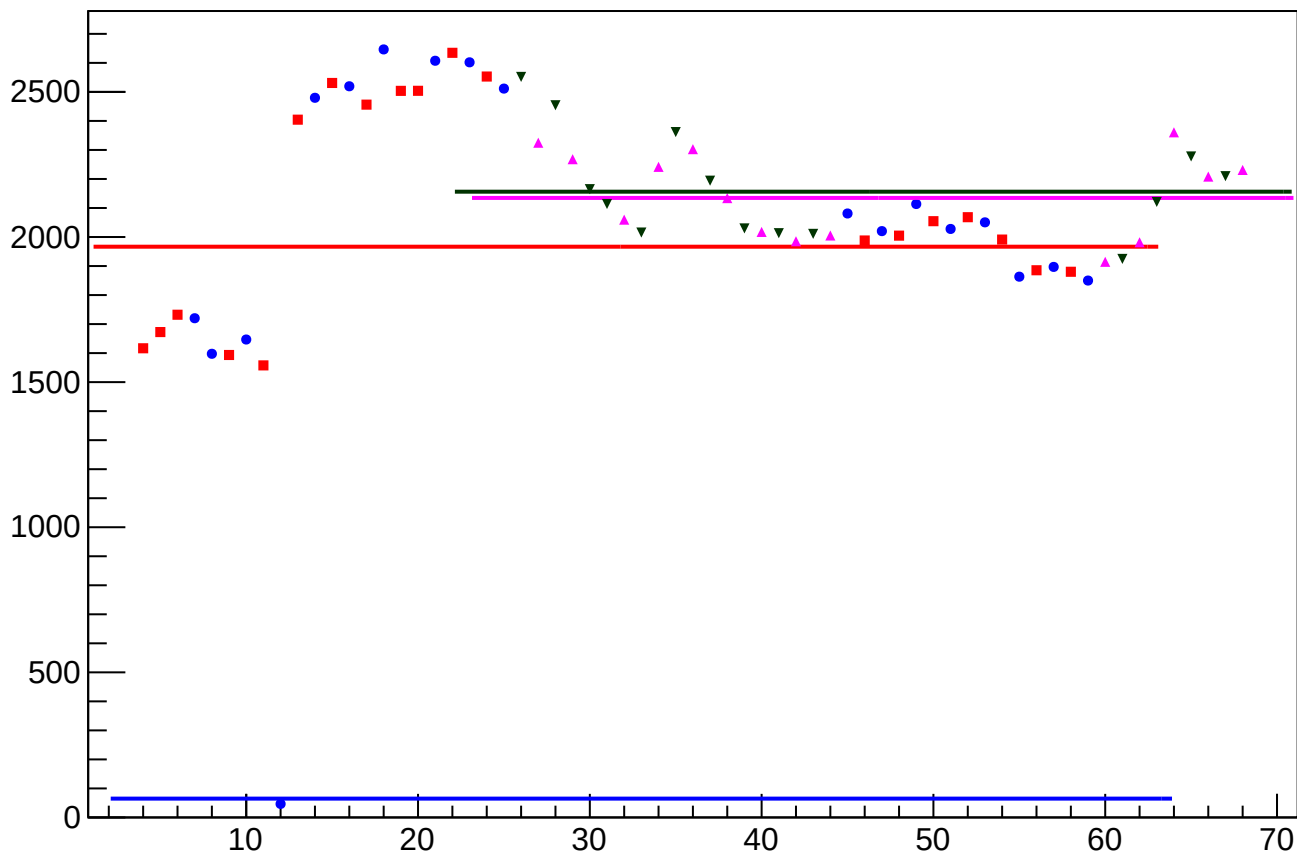
Right Out: -0.272 ± 0.631 χ^2/NDF : 15.3/18

Left In: 0.119 ± 0.746 χ^2/NDF : 13.1/13

-0.080 ± 0.060 χ^2/NDF : 24.1/31

-0.109 ± 0.482 χ^2/NDF : 28.5/32

diff_bpm4acX_rms vs slug



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

Left Out: 2156.184+/-0.564 χ^2 /NDF:90723.0/13

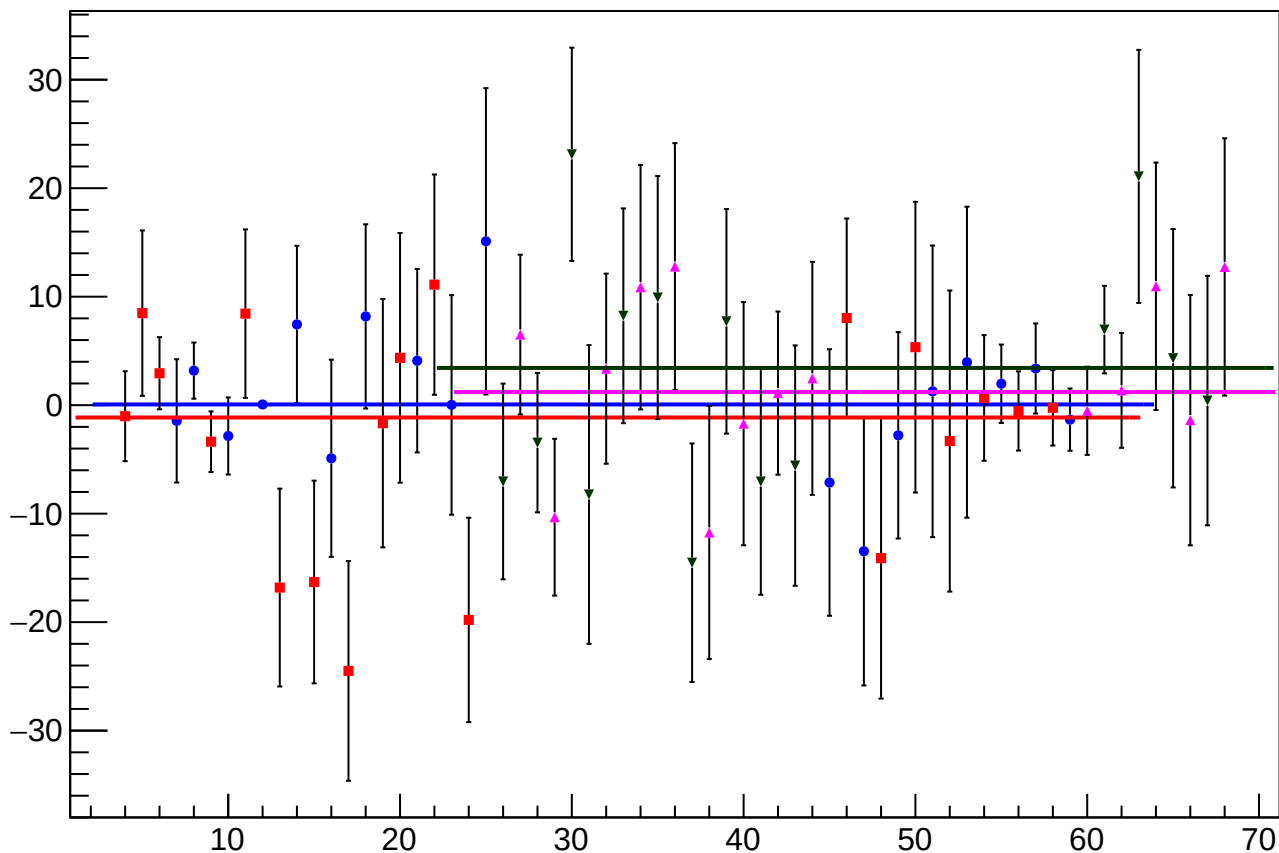
Right Out: 1966.634+/-0.446 χ^2 /NDF: 610680.3/18

Left In: 2134.691+/-0.527 χ^2 /NDF:73662.4/13

76.705+/-0.042 χ^2 /NDF: 34028766.8/31

2036.794+/-0.341 χ^2 /NDF: 743528.9/32

diff_bpm4acY_mean vs slug



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

Left Out: 3.432 ± 2.302 χ^2/NDF : 15.4/13

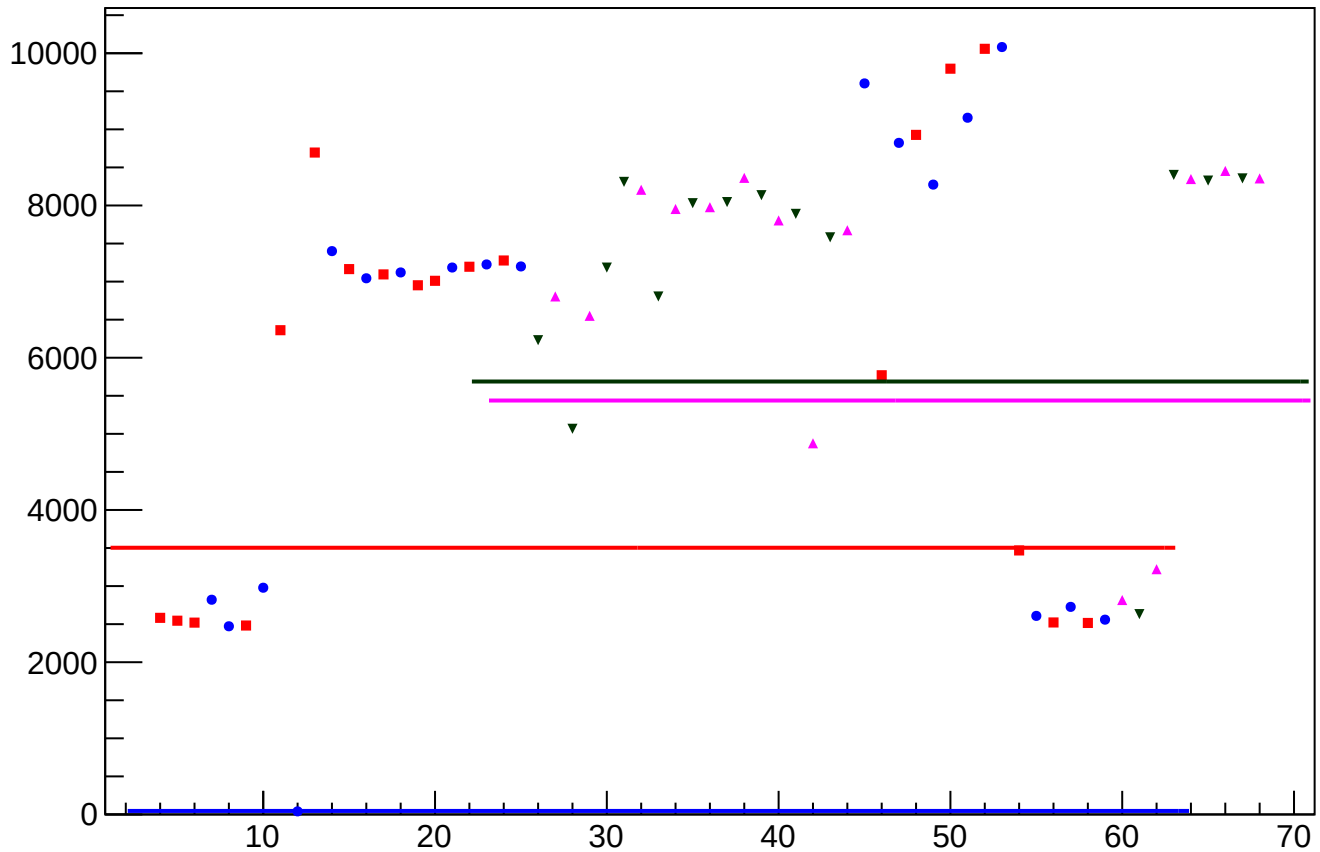
Right Out: -1.137 ± 1.295 χ^2/NDF : 24.2/18

Left In: 1.208 ± 2.102 χ^2/NDF : 8.1/13

0.067 ± 0.052 χ^2/NDF : 26.2/31

-0.492 ± 1.103 χ^2/NDF : 33.2/32

diff_bpm4acY_rms vs slug



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

Left Out: 5687.480+/-1.628 χ^2 /NDF:2070793.5/13

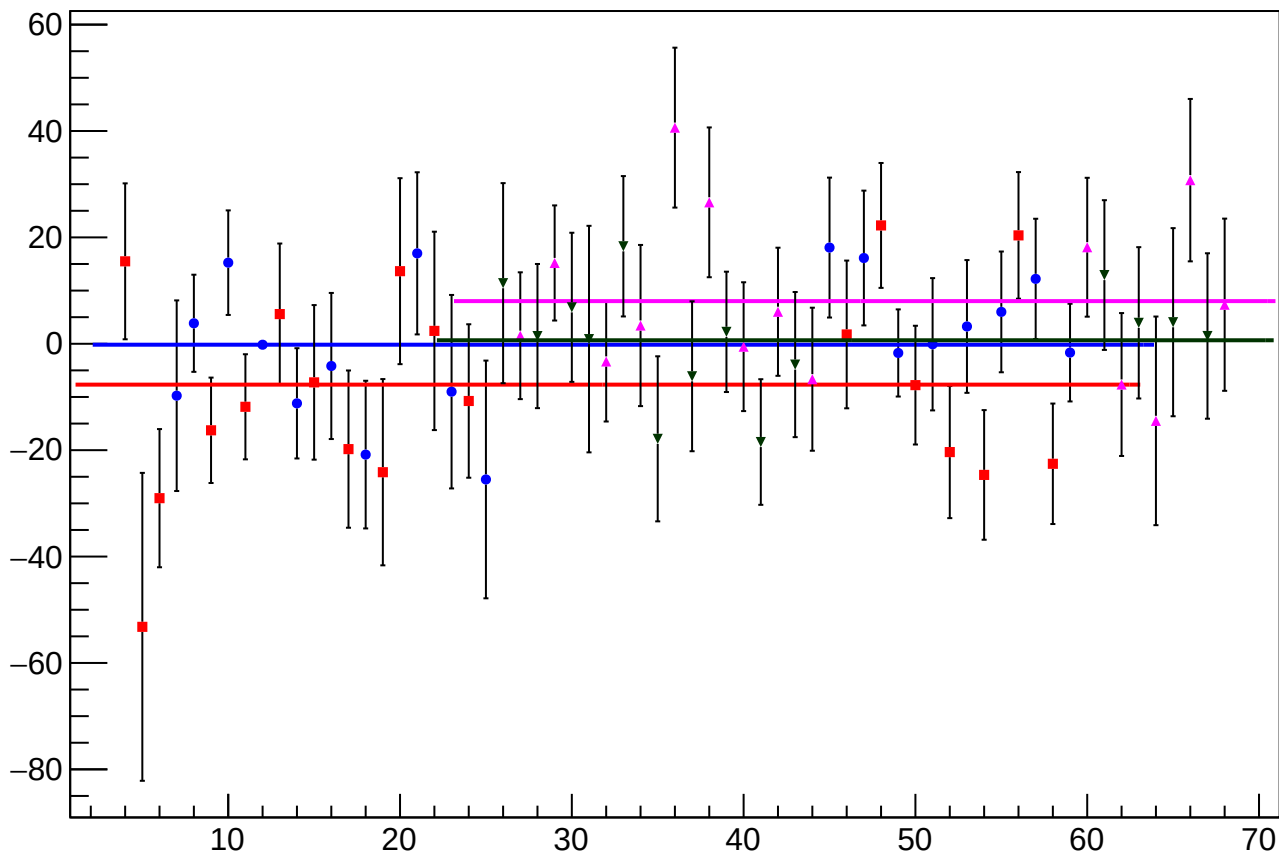
Right Out: 3503.720+/-0.916 χ^2 /NDF: 4669685.2/18

Left In: 5437.787+/-1.486 χ^2 /NDF:2398081.0/13

49.143+/-0.037 χ^2 /NDF: 34251578.1/31

4036.095+/-0.780 χ^2 /NDF: 8295284.1/32

diff_bpm4ecX_mean vs slug



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

Left Out: 0.660 ± 3.829 χ^2/NDF : 7.6/13

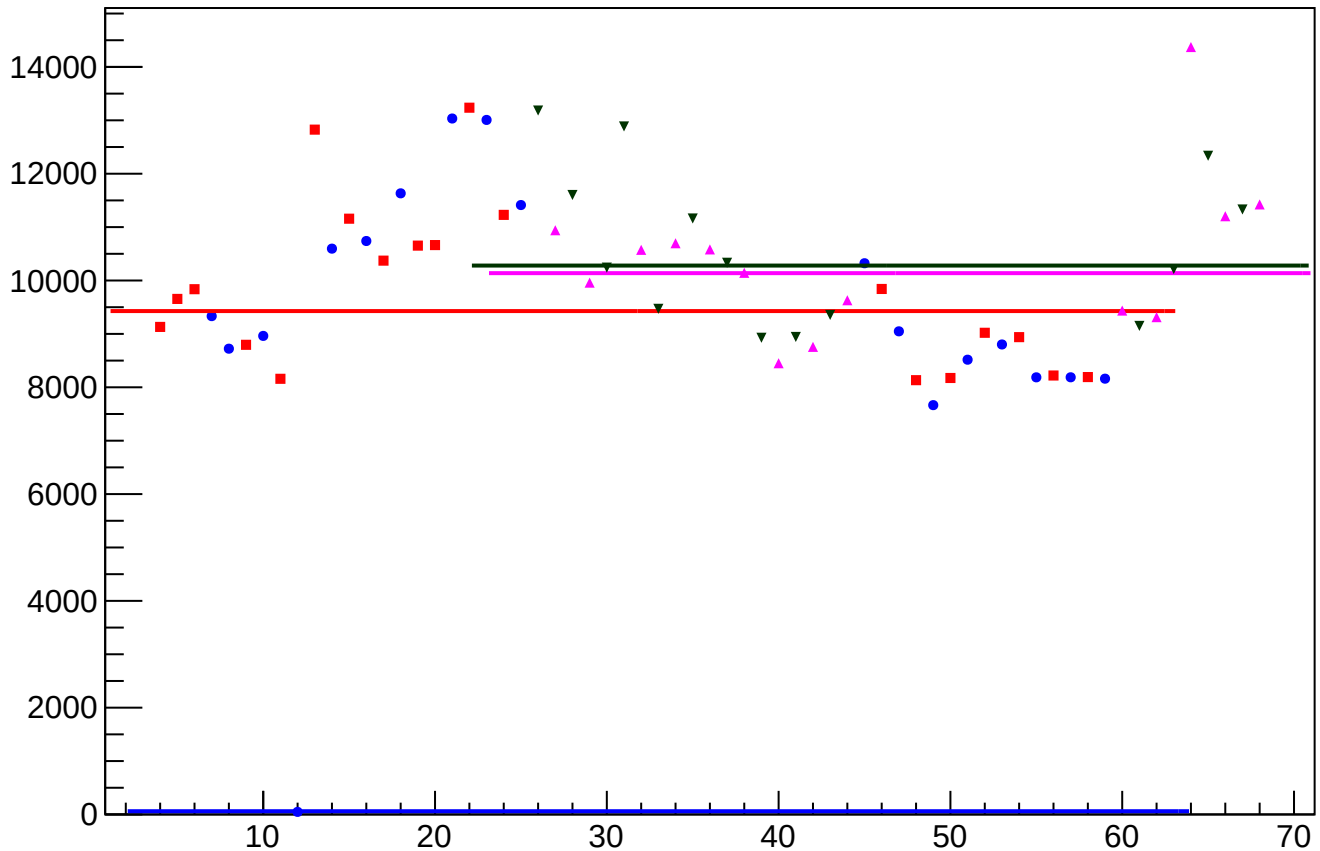
Right Out: -7.679 ± 3.015 χ^2/NDF : 30.2/18

Left In: 8.020 ± 3.566 χ^2/NDF : 15.5/13

-0.173 ± 0.106 χ^2/NDF : 22.0/31

-1.134 ± 2.303 χ^2/NDF : 57.0/32

diff_bpm4ecX_rms vs slug



Right In: 60.738+/-0.075 χ^2/NDF : 21121924.5/17

Left Out: 10279.827+/-2.708 χ^2/NDF : 223204.6/13

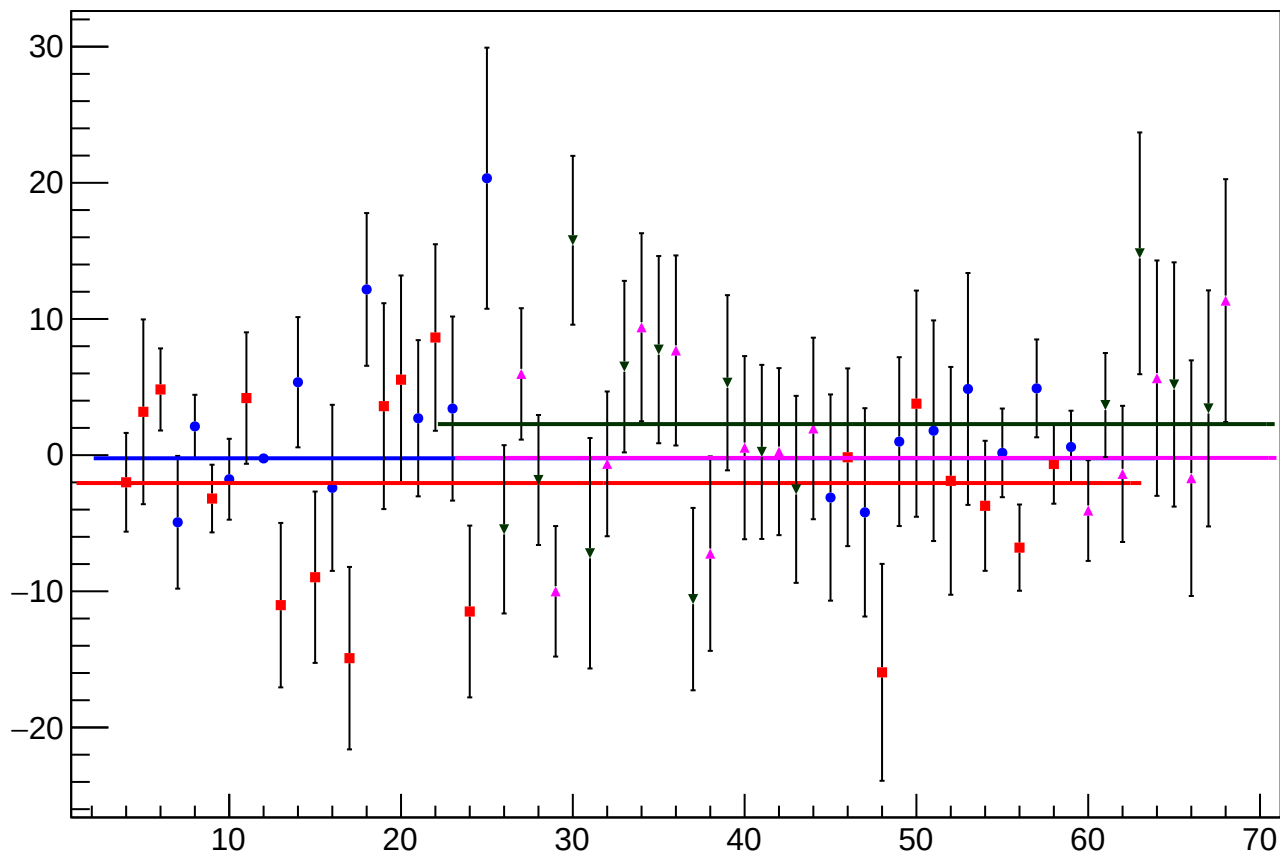
Right Out: 9427.549+/-2.132 χ^2/NDF : 447350.4/18

Left In: 10137.706+/-2.522 χ^2/NDF : 214033.9/13

68.633+/-0.075 χ^2/NDF : 35577007.2/31

9723.603+/-1.628 χ^2/NDF : 707627.2/32

diff_bpm4ecY_mean vs slug



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

Left Out: 2.280 ± 1.677 χ^2/NDF : 16.1/13

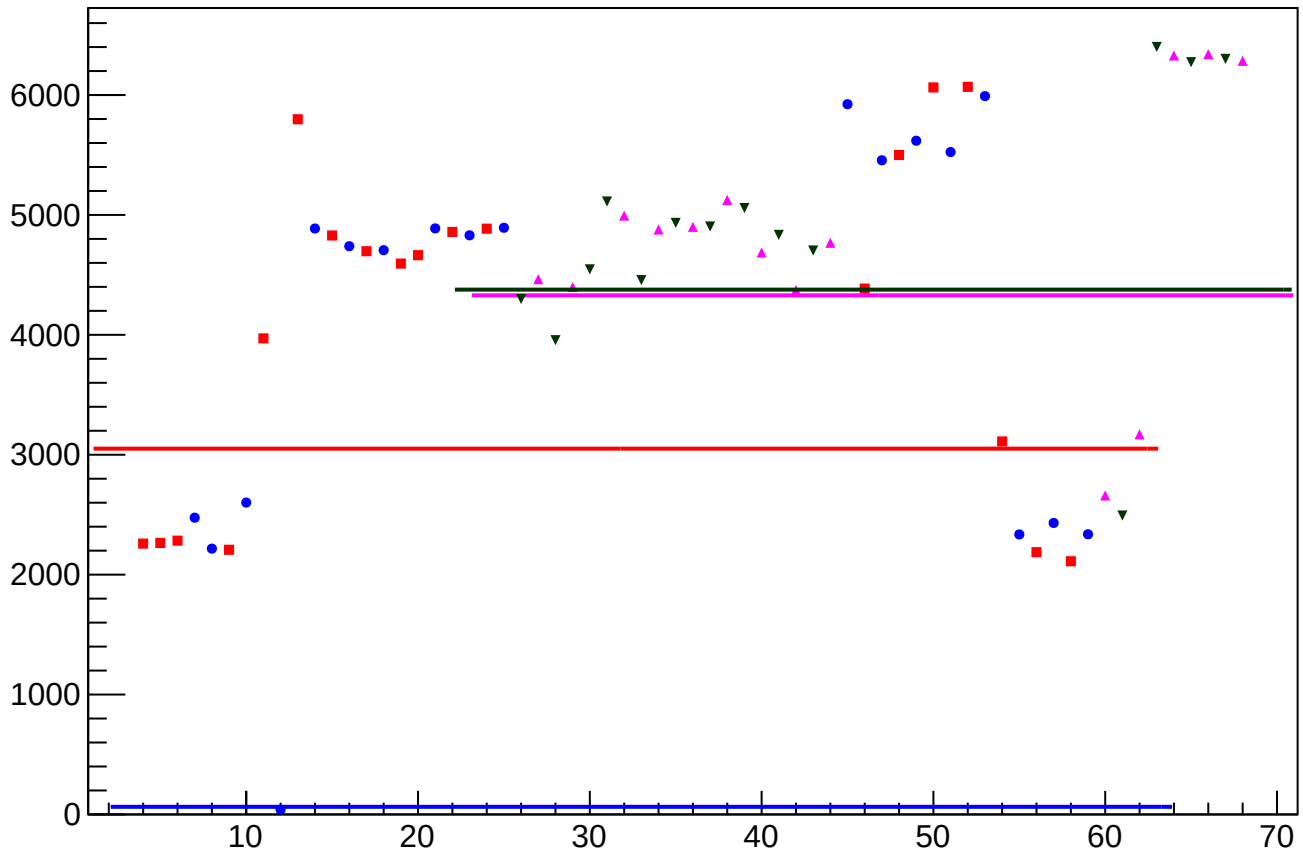
Right Out: -2.049 ± 1.055 χ^2/NDF : 27.2/18

Left In: -0.204 ± 1.568 χ^2/NDF : 13.4/13

-0.223 ± 0.090 χ^2/NDF : 35.2/31

-1.474 ± 0.876 χ^2/NDF : 41.6/32

diff_bpm4ecY_rms vs slug



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

Left Out: 4377.142+/-1.186 χ^2/NDF :873462.3/13

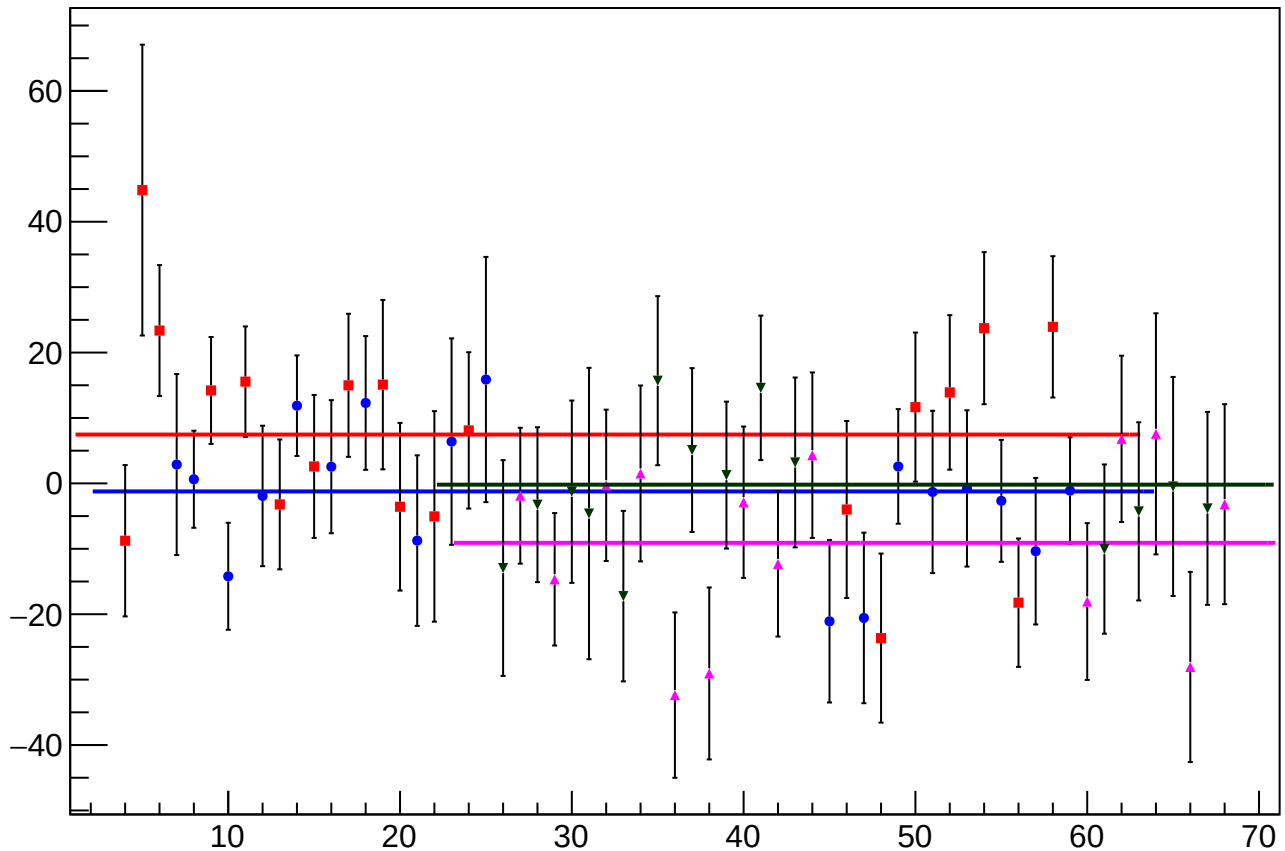
76.040+/-0.063 χ^2/NDF : 34329795.6/31

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

3449.437+/-0.619 χ^2/NDF : 4721583.5/32

Left In: 4329.563+/-1.109 χ^2/NDF :924391.5/13

diff_bpm1X_mean vs slug



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

Left Out: -0.195 ± 3.585 χ^2/NDF : 6.7/13

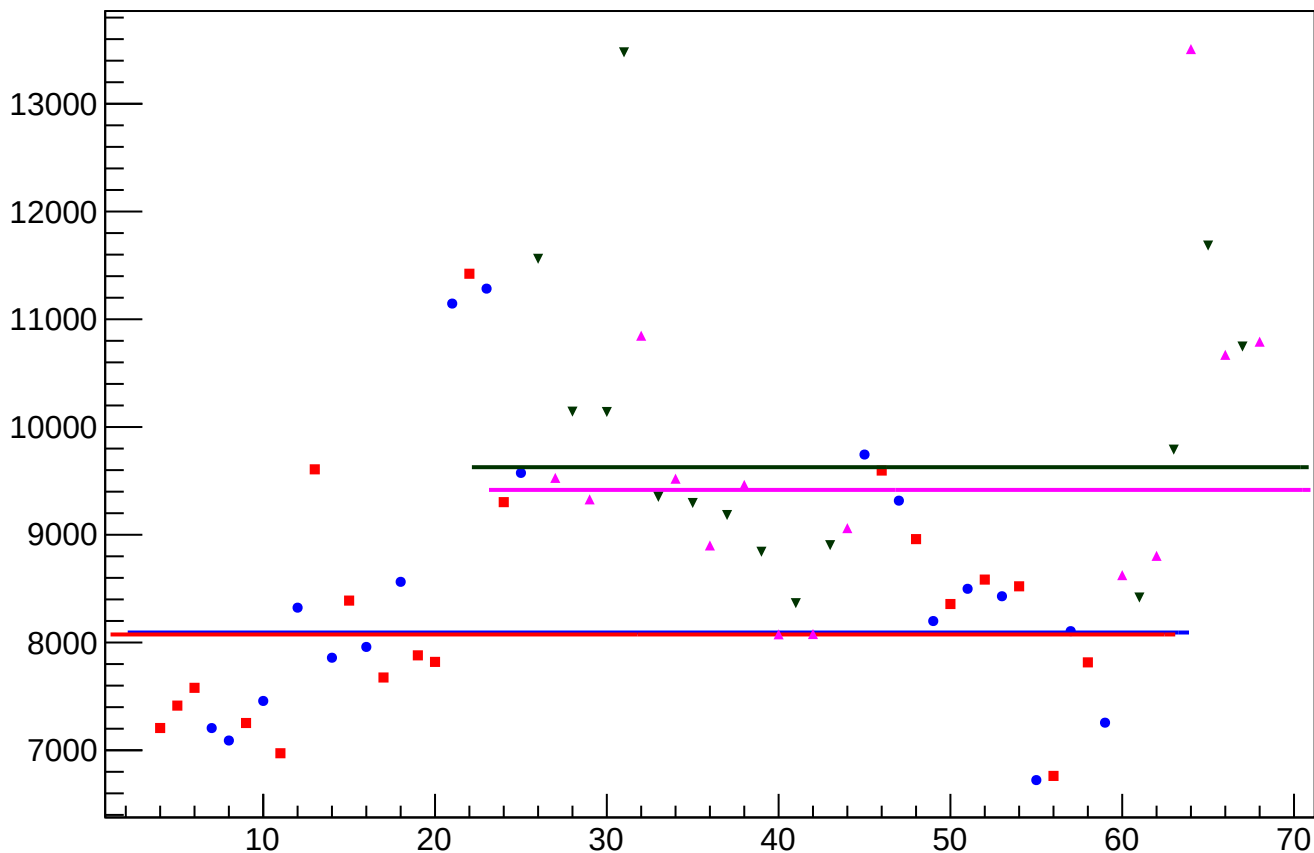
Right Out: 7.465 ± 2.574 χ^2/NDF : 30.5/18

Left In: -9.088 ± 3.315 χ^2/NDF : 14.0/13

-0.903 ± 2.012 χ^2/NDF : 21.3/31

1.239 ± 2.033 χ^2/NDF : 60.1/32

diff_bpm1X_rms vs slug



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

Left Out: 9627.212 $\pm$ 2.535 χ^2 /NDF:200055.6/13

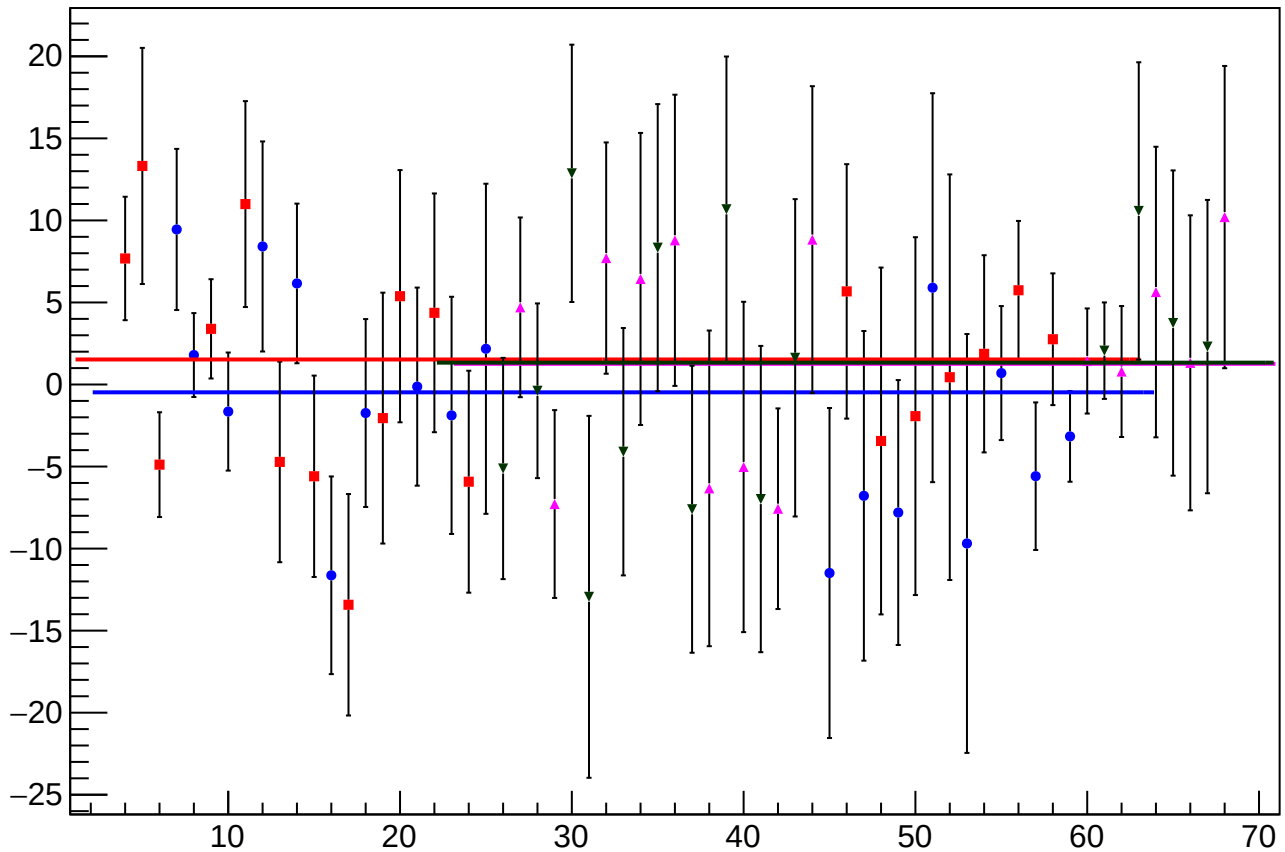
Right Out: 8074.654 $\pm$ 1.820 χ^2 /NDF: 312658.9/18

Left In: 9416.395 $\pm$ 2.344 χ^2 /NDF:234892.6/13

8576.024 $\pm$ 1.422 χ^2 /NDF: 840419.4/31

8579.287 $\pm$ 1.438 χ^2 /NDF: 751967.0/32

diff_bpm1Y_mean vs slug



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

Left Out: 1.332 ± 1.793 χ^2/NDF : 10.0/13

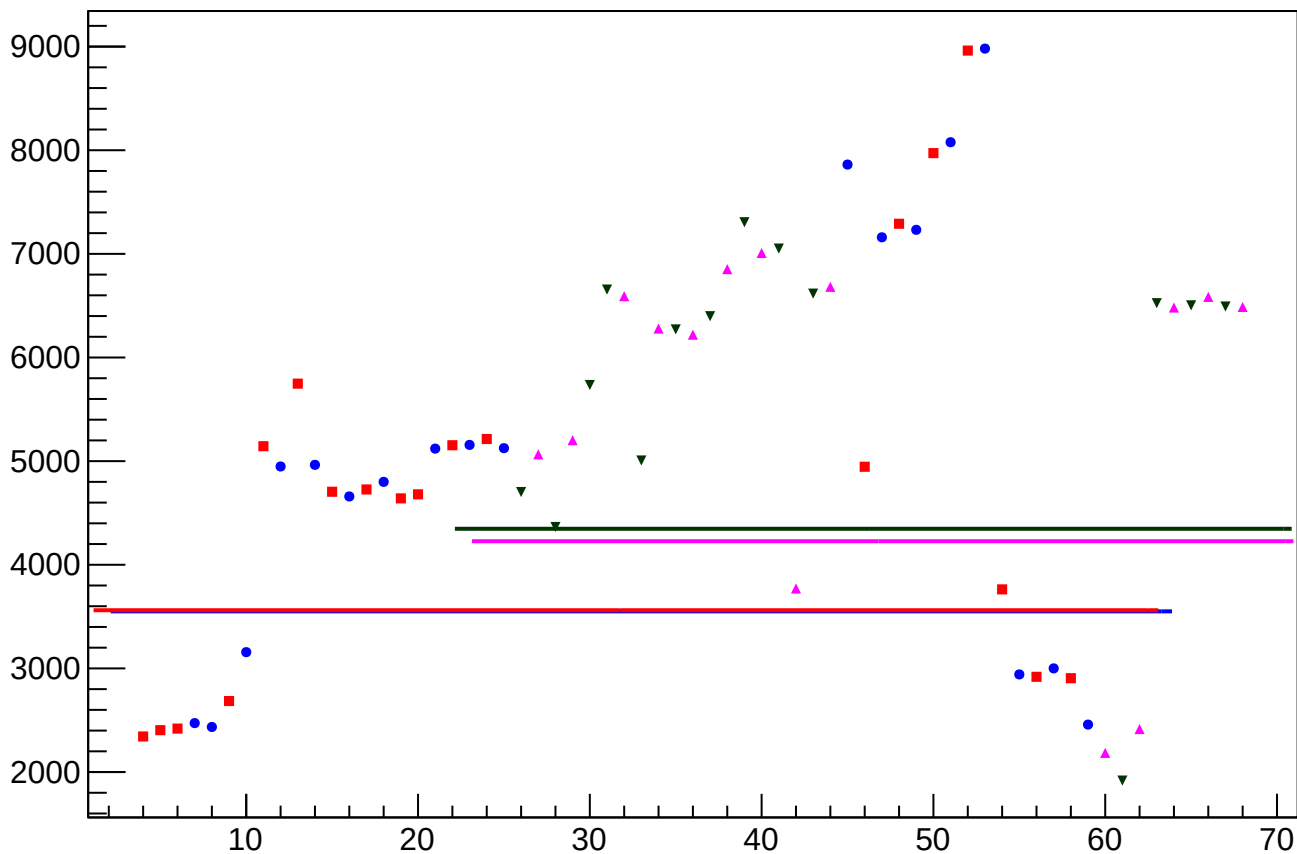
Right Out: 1.525 ± 1.232 χ^2/NDF : 22.9/18

Left In: 1.261 ± 1.654 χ^2/NDF : 9.5/13

0.058 ± 0.975 χ^2/NDF : 28.7/31

1.431 ± 0.988 χ^2/NDF : 32.4/32

diff_bpm1Y_rms vs slug



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

Left Out: 4347.459+/-1.268 χ^2/NDF : 2562349.1/13

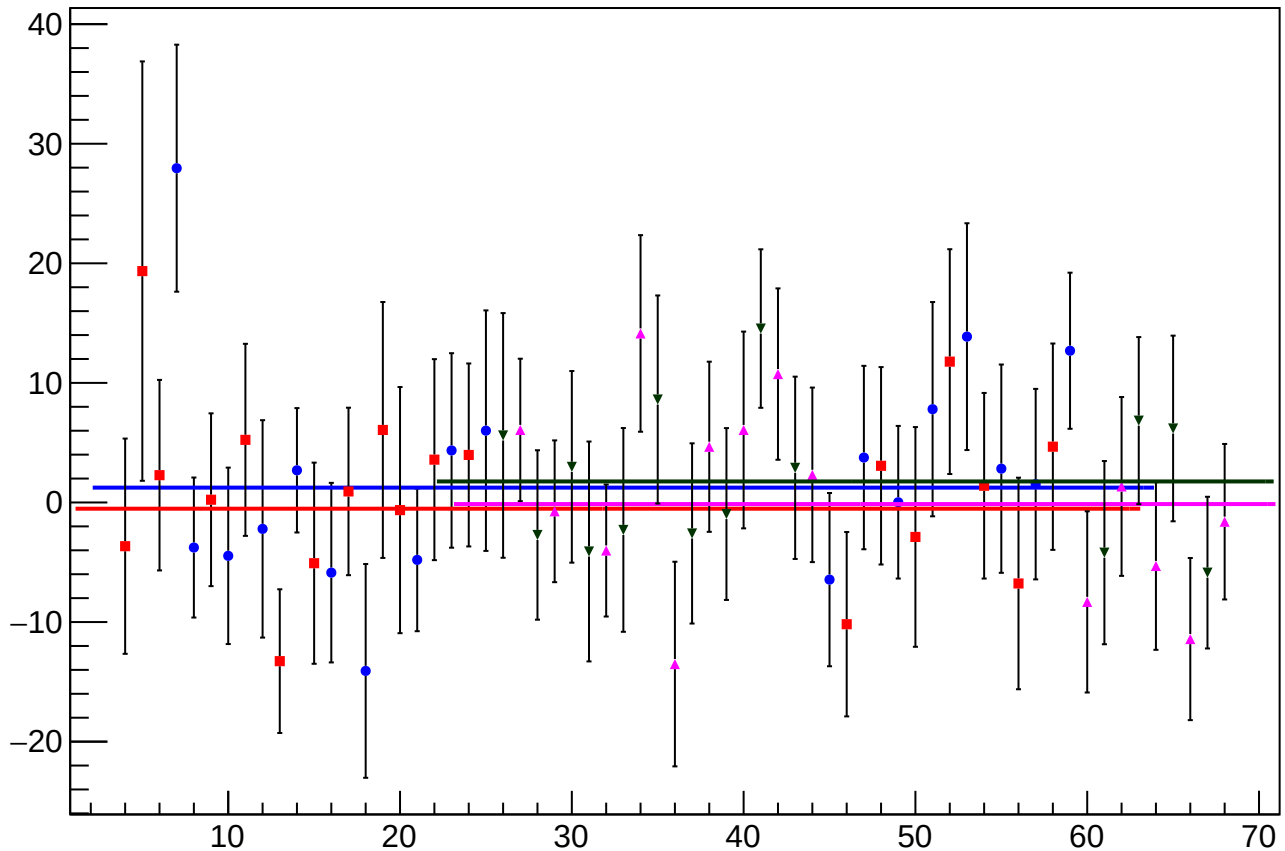
Right Out: 3561.233+/-0.871 χ^2/NDF : 2618224.4/18

Left In: 4227.154+/-1.170 χ^2/NDF : 2601139.4/13

3786.030+/-0.689 χ^2/NDF : 6134862.3/31

3798.742+/-0.699 χ^2/NDF : 5427838.6/32

diff_bpm11X_mean vs slug



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

Left Out: 1.759 ± 2.042 $\chi^2/\text{NDF}: 8.9/13$

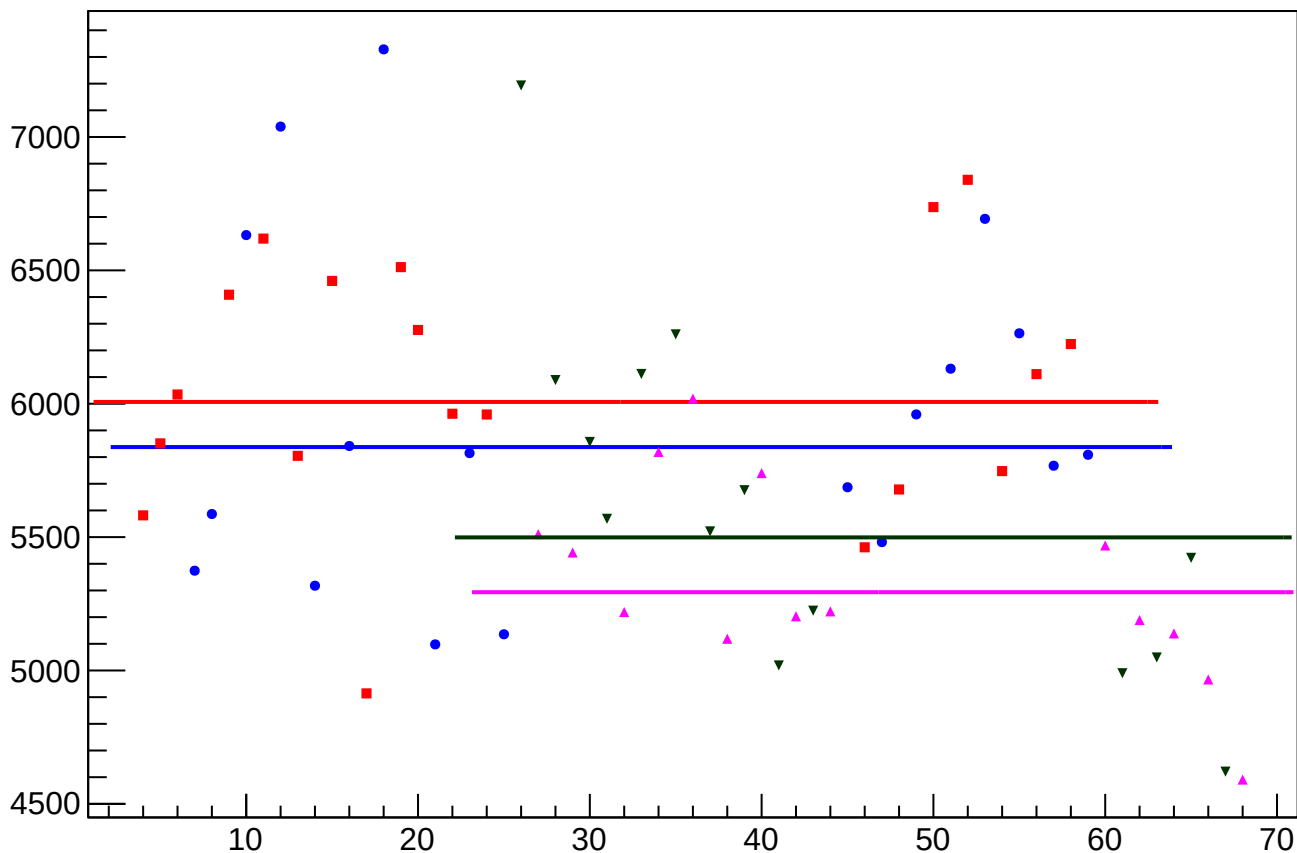
Right Out: -0.521 ± 1.907 $\chi^2/\text{NDF}: 12.3/18$

Left In: -0.133 ± 1.851 $\chi^2/\text{NDF}: 15.1/13$

1.461 ± 1.329 $\chi^2/\text{NDF}: 29.1/31$

-0.321 ± 1.328 $\chi^2/\text{NDF}: 27.4/32$

diff_bpm11X_rms vs slug



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

Left Out: 5498.960+/-1.444 χ^2/NDF :168443.9/13

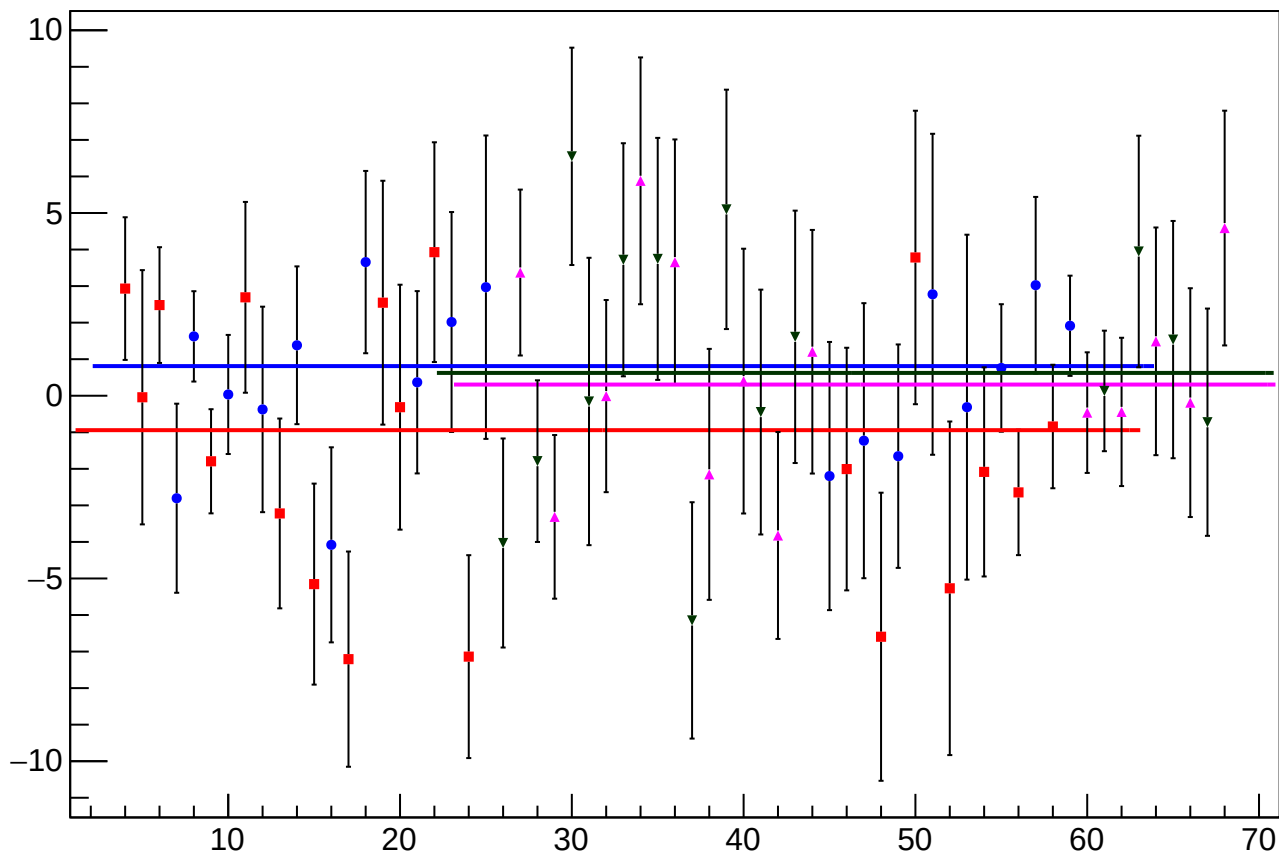
Right Out: 6006.736+/-1.348 χ^2/NDF : 130455.1/18

Left In: 5293.457+/-1.309 χ^2/NDF :64907.1/13

5694.056+/-0.940 χ^2/NDF : 411441.2/31

5639.633+/-0.939 χ^2/NDF : 339441.5/32

diff_bpm11Y_mean vs slug



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

Left Out: 0.624 ± 0.762 $\chi^2/\text{NDF}: 17.6/13$

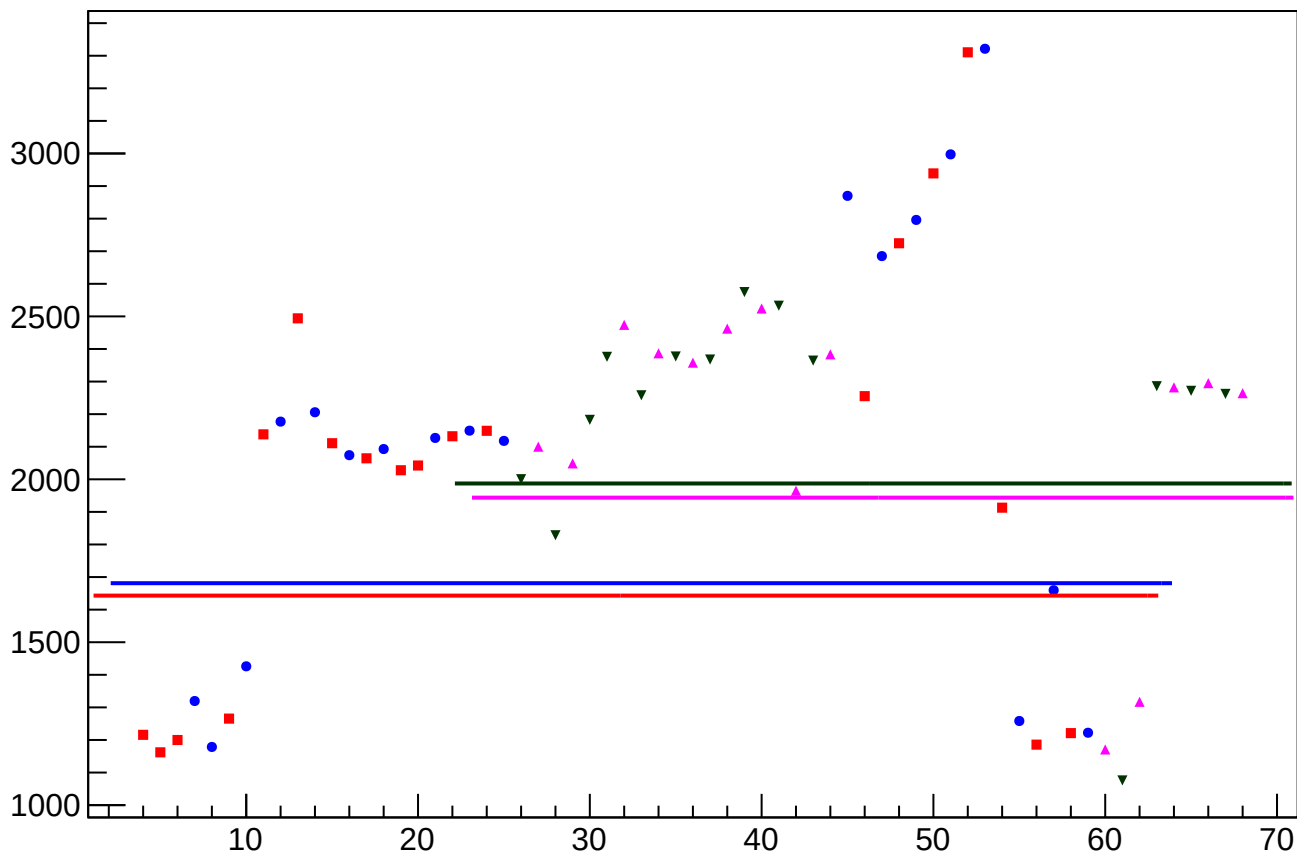
Right Out: -0.942 ± 0.553 $\chi^2/\text{NDF}: 32.9/18$

Left In: 0.306 ± 0.707 $\chi^2/\text{NDF}: 13.2/13$

0.750 ± 0.436 $\chi^2/\text{NDF}: 29.0/31$

-0.469 ± 0.435 $\chi^2/\text{NDF}: 48.1/32$

diff_bpm11Y_rms vs slug



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

Left Out: 1987.189+/-0.539 χ^2/NDF : 909261.5/13

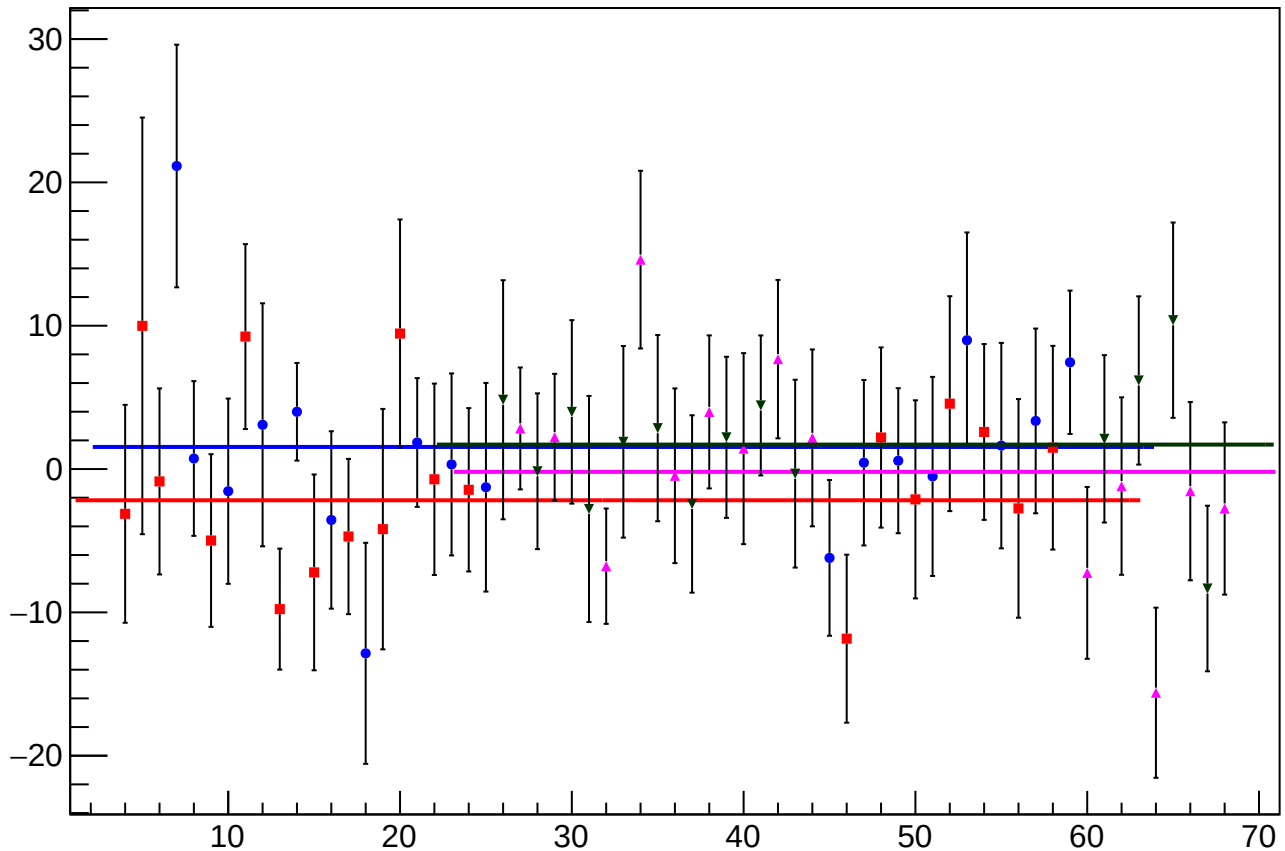
Right Out: 1643.071+/-0.391 χ^2/NDF : 1969332.5/18

Left In: 1943.720+/-0.500 χ^2/NDF : 990273.5/13

1781.435+/-0.308 χ^2/NDF : 3338975.7/31

1757.150+/-0.308 χ^2/NDF : 3184276.7/32

diff_bpm12X_mean vs slug



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

Left Out: 1.706 ± 1.649 χ^2/NDF : 6.8/13

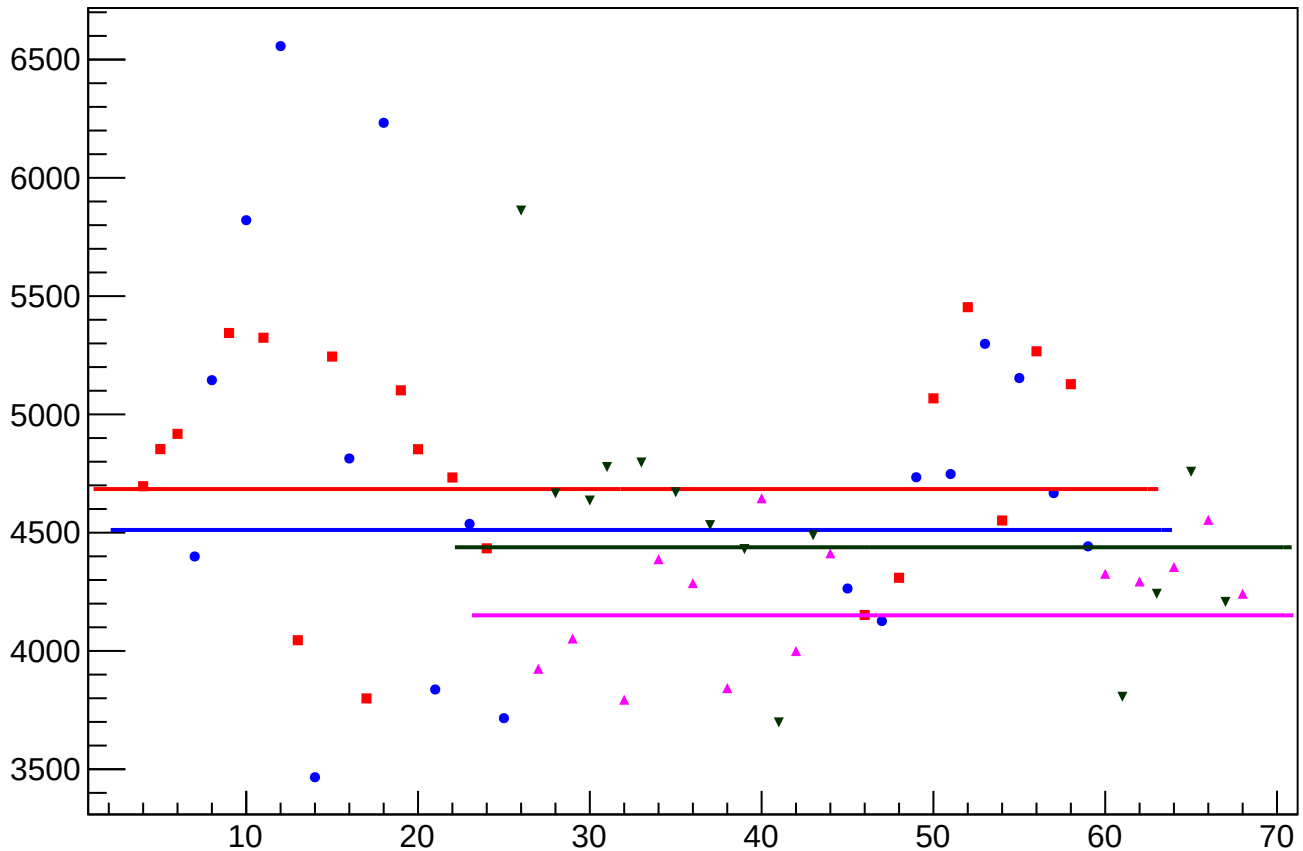
Right Out: -2.180 ± 1.492 χ^2/NDF : 15.2/18

Left In: -0.196 ± 1.453 χ^2/NDF : 20.4/13

1.608 ± 1.053 χ^2/NDF : 22.0/31

-1.161 ± 1.041 χ^2/NDF : 36.6/32

diff_bpm12X_rms vs slug



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

Left Out: 4438.304+/-1.166 χ^2/NDF :155493.5/13

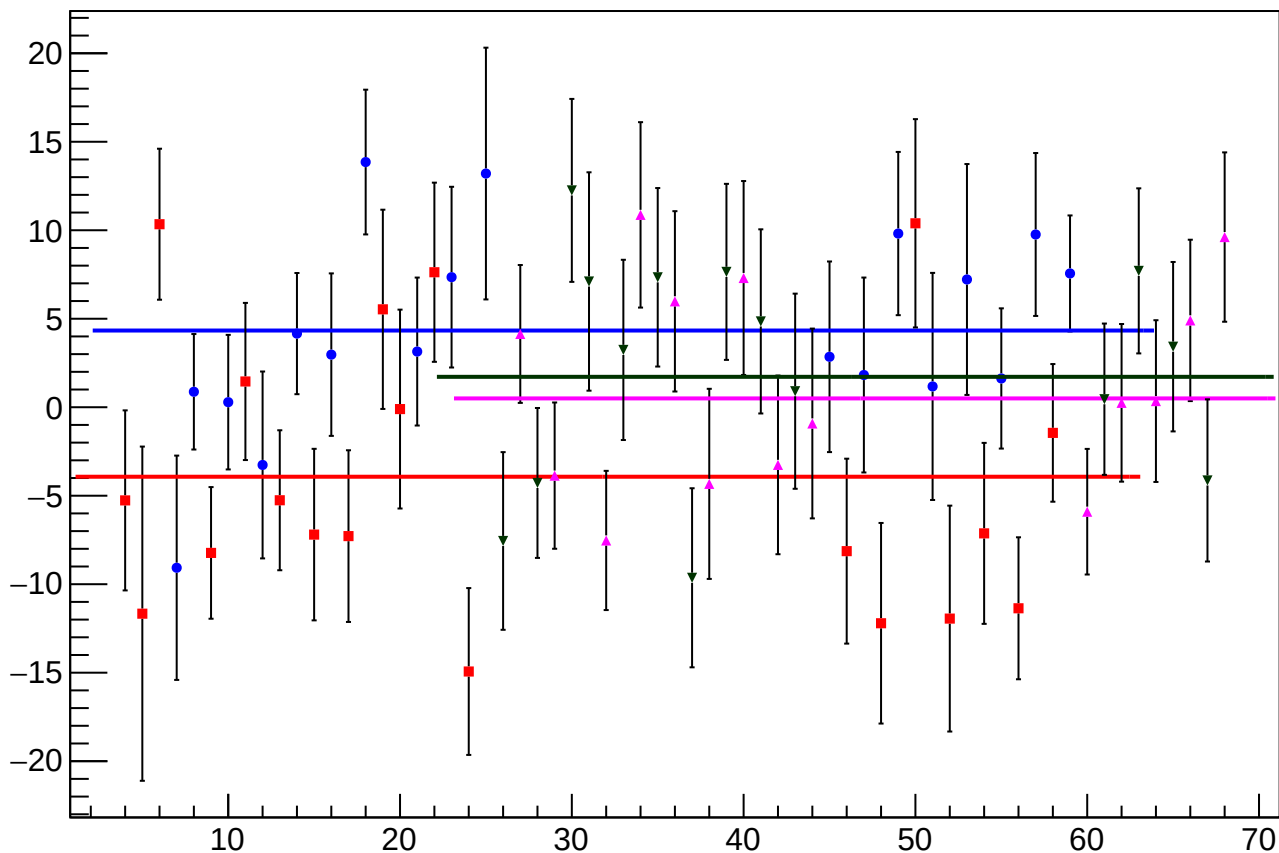
4481.632+/-0.745 χ^2/NDF : 804824.3/31

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

4410.374+/-0.736 χ^2/NDF : 434661.2/32

Left In: 4150.657+/-1.027 χ^2/NDF :63110.2/13

diff_bpm12Y_mean vs slug



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

Left Out: 1.718 ± 1.315 χ^2/NDF : 22.0/13

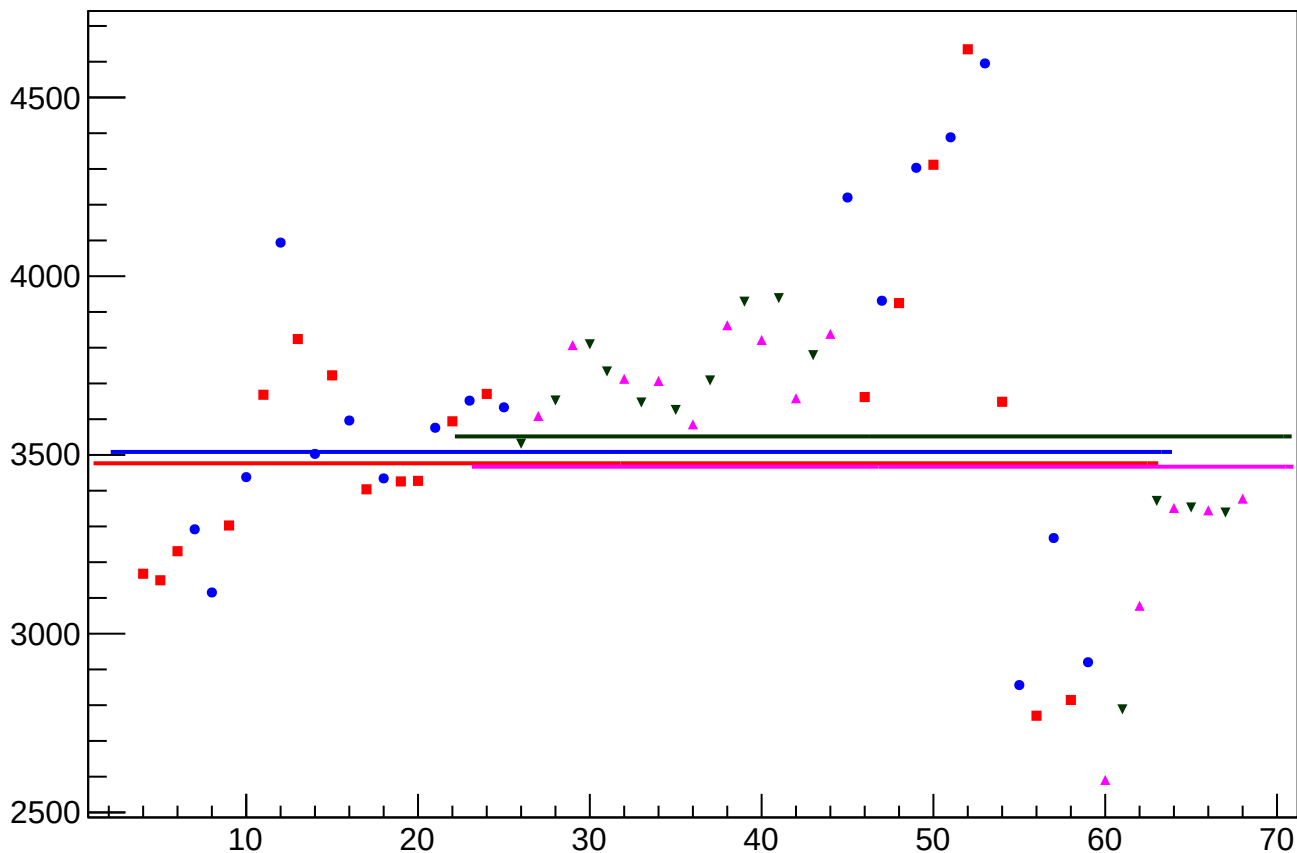
Right Out: -3.927 ± 1.110 χ^2/NDF : 44.2/18

Left In: 0.498 ± 1.217 χ^2/NDF : 22.0/13

3.309 ± 0.823 χ^2/NDF : 45.7/31

-1.917 ± 0.820 χ^2/NDF : 73.5/32

diff_bpm12Y_rms vs slug



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

Left Out: 3551.817 $\pm$ 0.930 χ^2 /NDF:111418.5/13

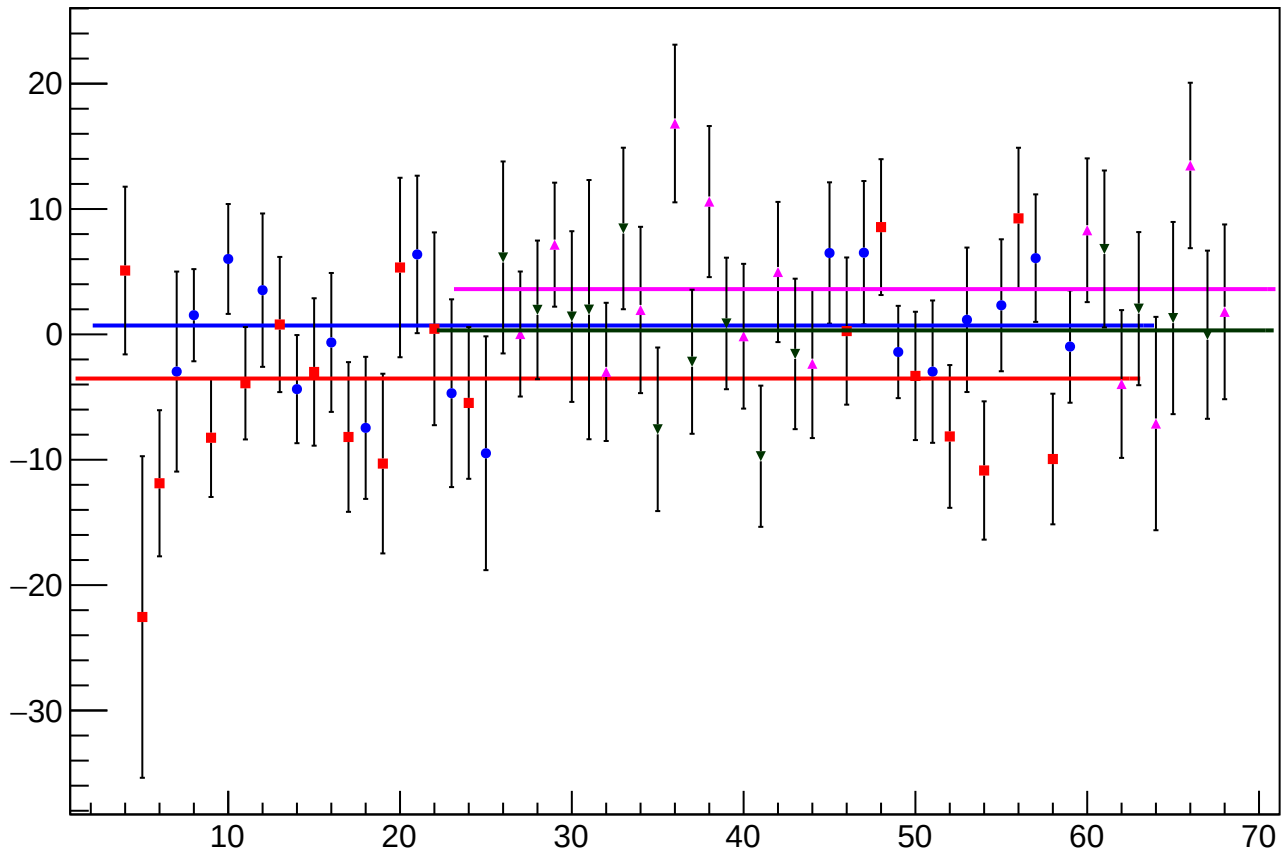
Right Out: 3476.662 $\pm$ 0.785 χ^2 /NDF: 293750.8/18

Left In: 3467.112 $\pm$ 0.860 χ^2 /NDF:201591.7/13

3525.437 $\pm$ 0.582 χ^2 /NDF: 496877.6/31

3472.324 $\pm$ 0.580 χ^2 /NDF: 495409.7/32

diff_bpm16X_mean vs slug



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

Left Out: 0.317 ± 1.701 χ^2/NDF : 8.4/13

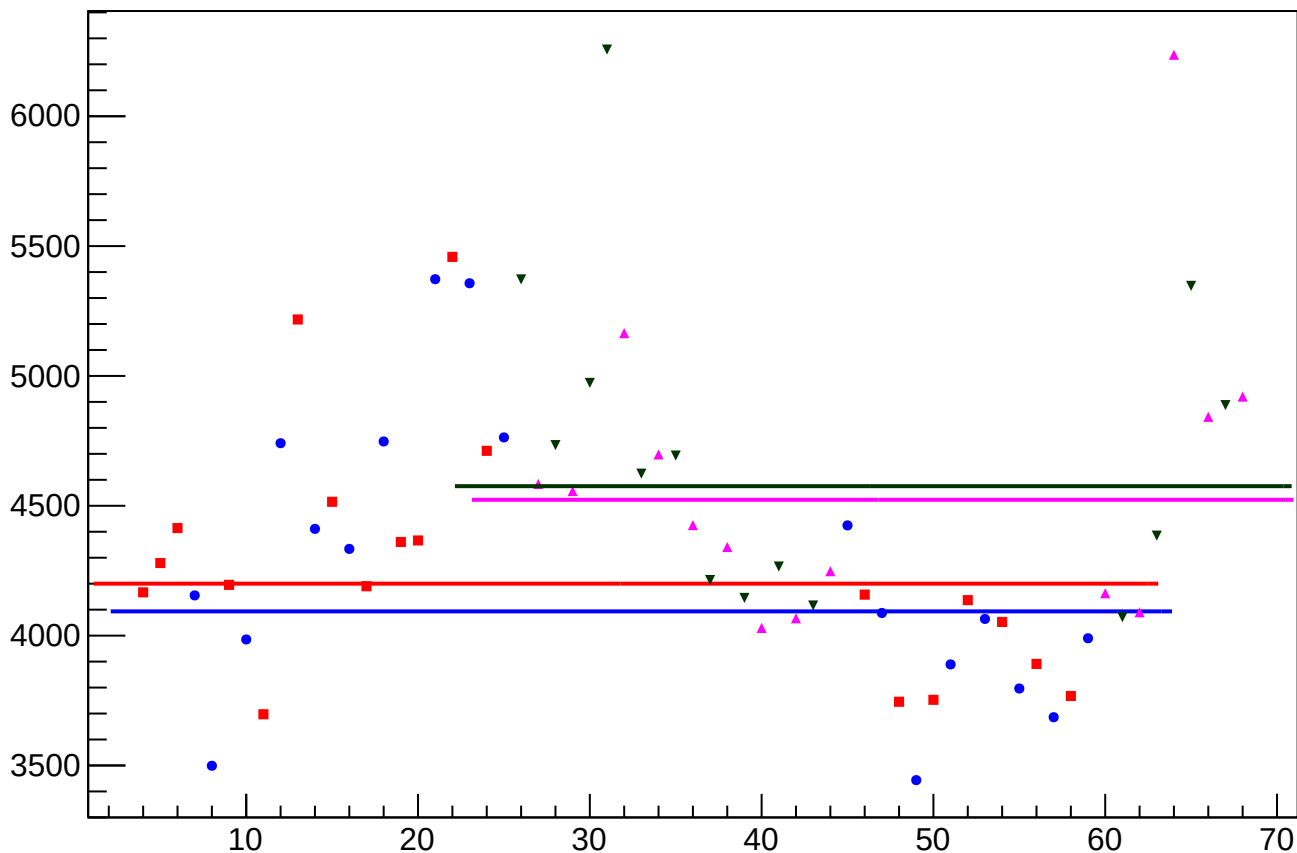
Right Out: -3.522 ± 1.336 χ^2/NDF : 25.4/18

Left In: 3.611 ± 1.588 χ^2/NDF : 16.0/13

0.574 ± 0.996 χ^2/NDF : 20.6/31

-0.566 ± 1.022 χ^2/NDF : 53.2/32

diff_bpm16X_rms vs slug



Right In: 4093.382 ± 0.869 $\chi^2/\text{NDF}: 359698.6/17$

Left Out: 4575.514 ± 1.203 $\chi^2/\text{NDF}: 162373.4/13$

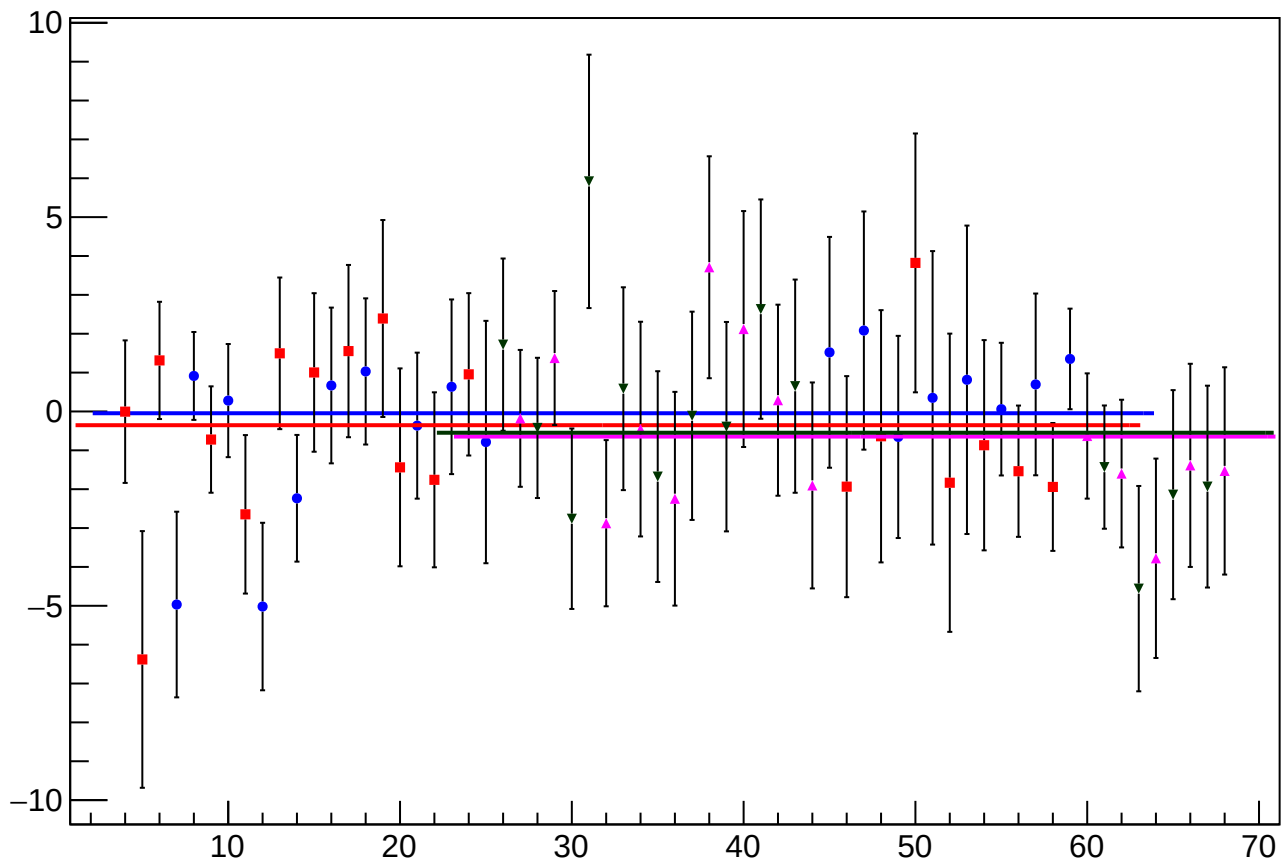
Right Out: 4200.125 ± 0.945 $\chi^2/\text{NDF}: 225858.3/18$

Left In: 4523.087 ± 1.123 $\chi^2/\text{NDF}: 174381.8/13$

4258.762 ± 0.704 $\chi^2/\text{NDF}: 627680.0/31$

4333.970 ± 0.723 $\chi^2/\text{NDF}: 448680.1/32$

diff_bpm16Y_mean vs slug



Right In: -0.046 ± 0.458 $\chi^2/\text{NDF}: 14.9/17$

Left Out: -0.548 ± 0.641 $\chi^2/\text{NDF}: 11.0/13$

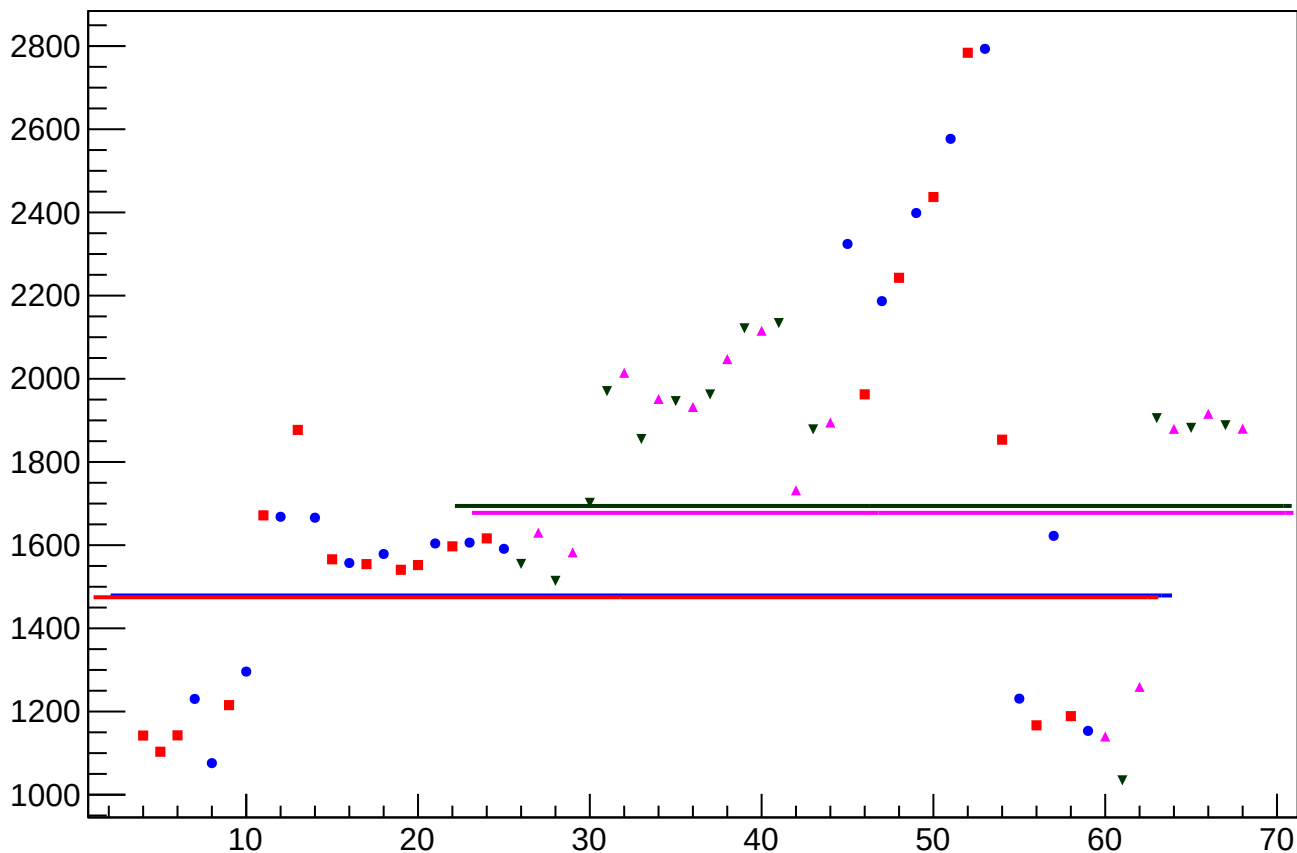
Right Out: -0.354 ± 0.483 $\chi^2/\text{NDF}: 13.6/18$

Left In: -0.646 ± 0.600 $\chi^2/\text{NDF}: 8.3/13$

-0.216 ± 0.373 $\chi^2/\text{NDF}: 26.3/31$

-0.469 ± 0.376 $\chi^2/\text{NDF}: 22.1/32$

diff_bpm16Y_rms vs slug



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

Left Out: 1694.295+/-0.453 χ^2/NDF : 574737.7/13

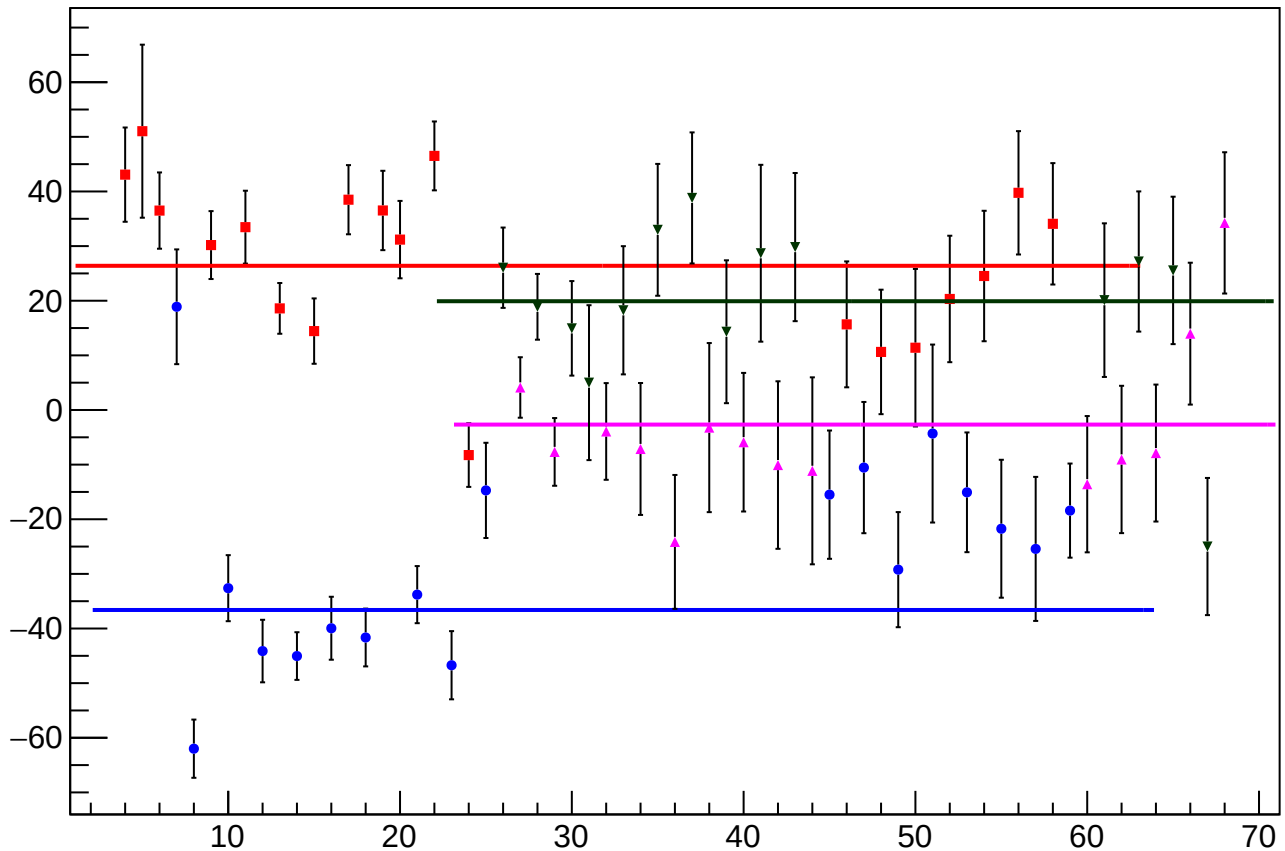
Right Out: 1474.750+/-0.342 χ^2/NDF : 1125200.2/18

Left In: 1677.656+/-0.424 χ^2/NDF : 543648.7/13

1551.881+/-0.264 χ^2/NDF : 2183485.3/31

1554.671+/-0.266 χ^2/NDF : 1807651.7/32

diff_bpm0l01X_mean vs slug



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

Left Out: 19.910 ± 2.845 $\chi^2/\text{NDF}: 20.1/13$

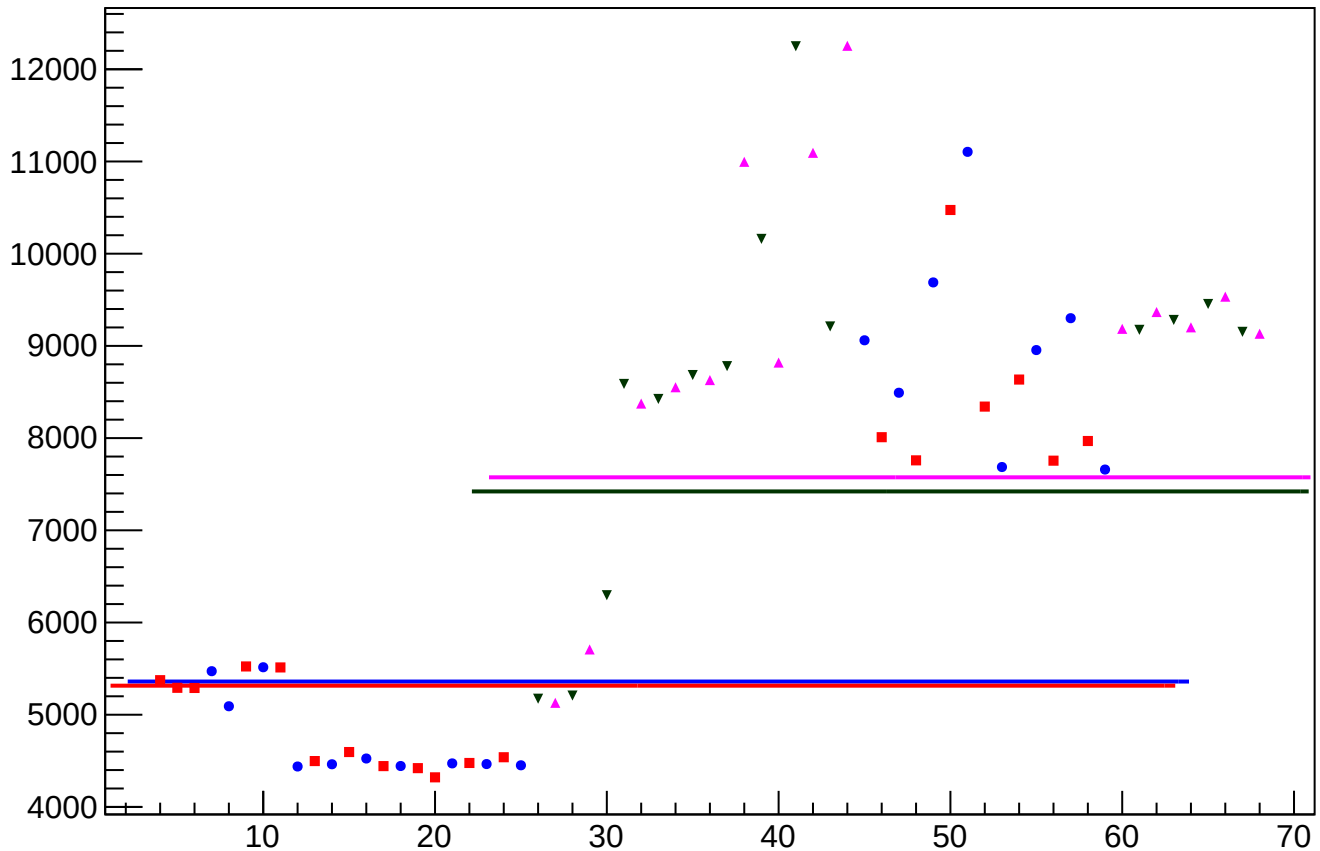
Right Out: 26.394 ± 1.742 $\chi^2/\text{NDF}: 74.2/18$

Left In: -2.671 ± 2.740 $\chi^2/\text{NDF}: 16.9/13$

-22.070 ± 1.443 $\chi^2/\text{NDF}: 403.1/31$

18.027 ± 1.470 $\chi^2/\text{NDF}: 171.2/32$

diff_bpm0l01X_rms vs slug



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

Left Out: 7421.664+/-2.012 χ^2/NDF :1023831.4/13

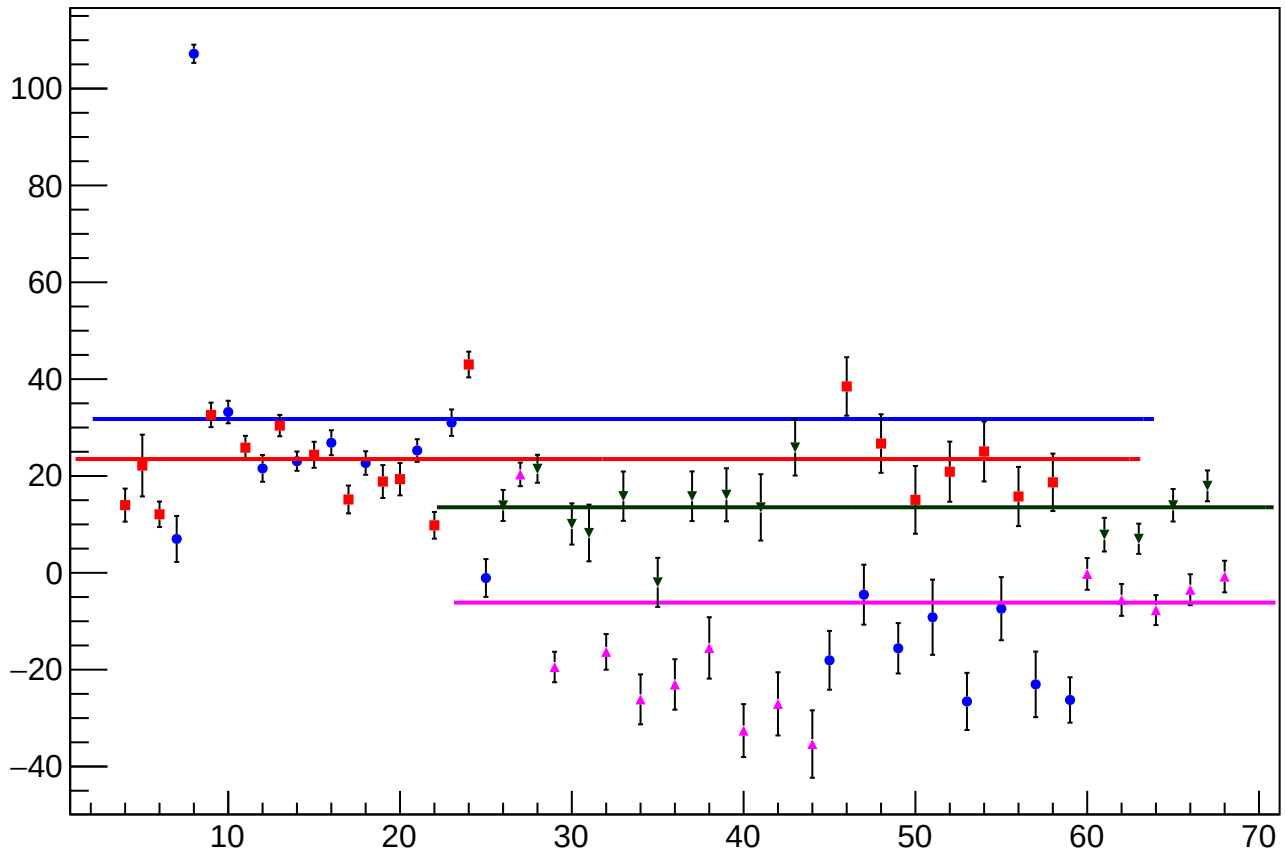
Right Out: 5315.062+/-1.232 χ^2/NDF : 1229938.4/18

Left In: 7574.668+/-1.937 χ^2/NDF :1164828.0/13

5890.267+/-1.020 χ^2/NDF : 3664089.1/31

5965.567+/-1.039 χ^2/NDF : 3363556.2/32

diff_bpm0l01Y_mean vs slug



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

Left Out: 13.537 $\pm$ 1.069 χ^2 /NDF: 32.6/13

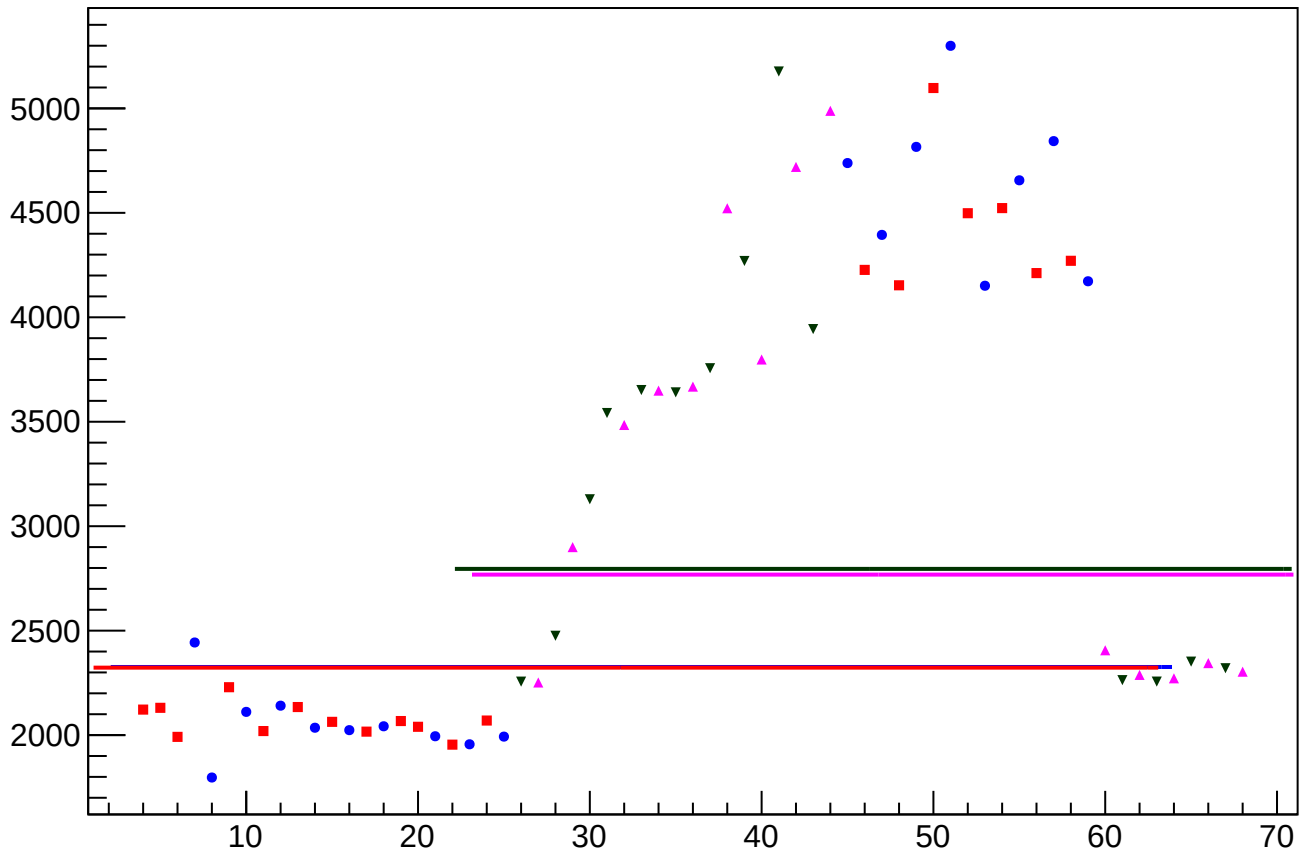
Right Out: 23.500 $\pm$ 0.773 χ^2 /NDF: 151.3/18

Left In: -6.152 $\pm$ 0.999 χ^2 /NDF: 229.6/13

25.855 $\pm$ 0.609 χ^2 /NDF: 2552.1/31

12.403 $\pm$ 0.611 χ^2 /NDF: 932.1/32

diff_bpm0l01Y_rms vs slug



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

Left Out: 2795.675 $\pm$ 0.756 χ^2 /NDF:959791.1/13

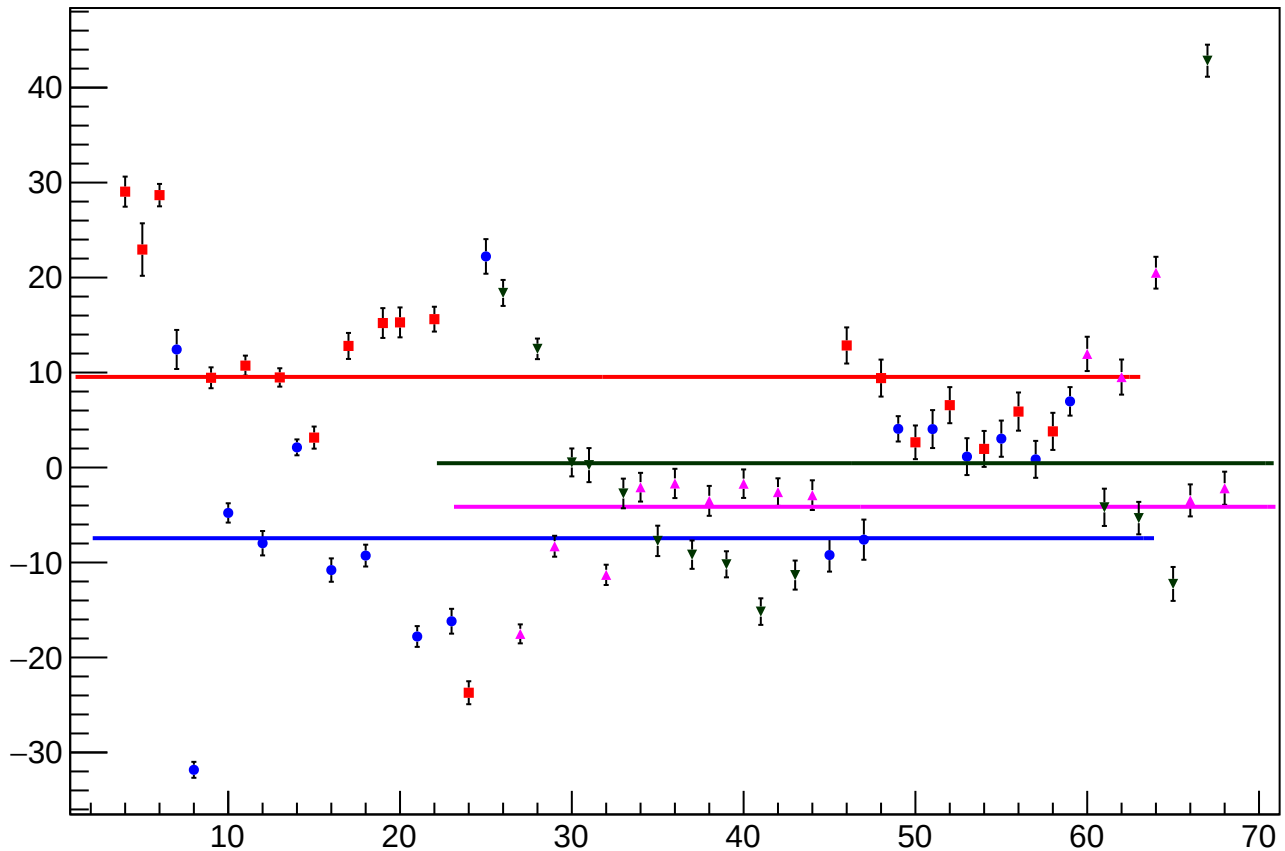
2478.365 $\pm$ 0.431 χ^2 /NDF: 3916935.0/31

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

2489.589 $\pm$ 0.432 χ^2 /NDF: 3146833.9/32

Left In: 2768.274 $\pm$ 0.706 χ^2 /NDF:1087375.9/13

diff_bpm2i01X_mean vs slug



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

Left Out: 0.453 ± 0.403 χ^2/NDF : 1309.0/13

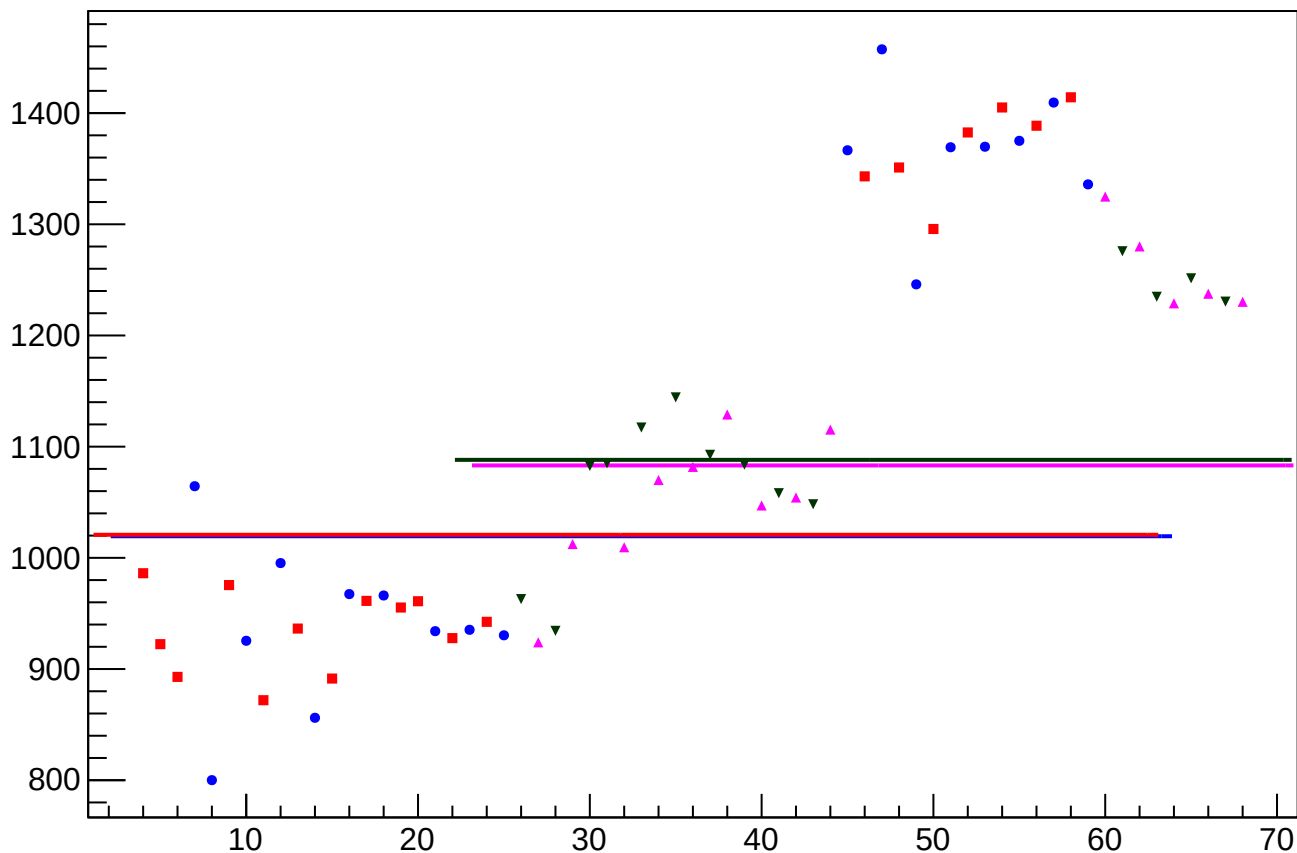
Right Out: 9.540 ± 0.328 χ^2/NDF : 1327.8/18

Left In: -4.134 ± 0.380 χ^2/NDF : 599.7/13

-4.511 ± 0.246 χ^2/NDF : 3303.8/31

3.707 ± 0.248 χ^2/NDF : 2670.6/32

diff_bpm2i01X_rms vs slug



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

Left Out: 1088.133+/-0.285 χ^2/NDF :126503.9/13

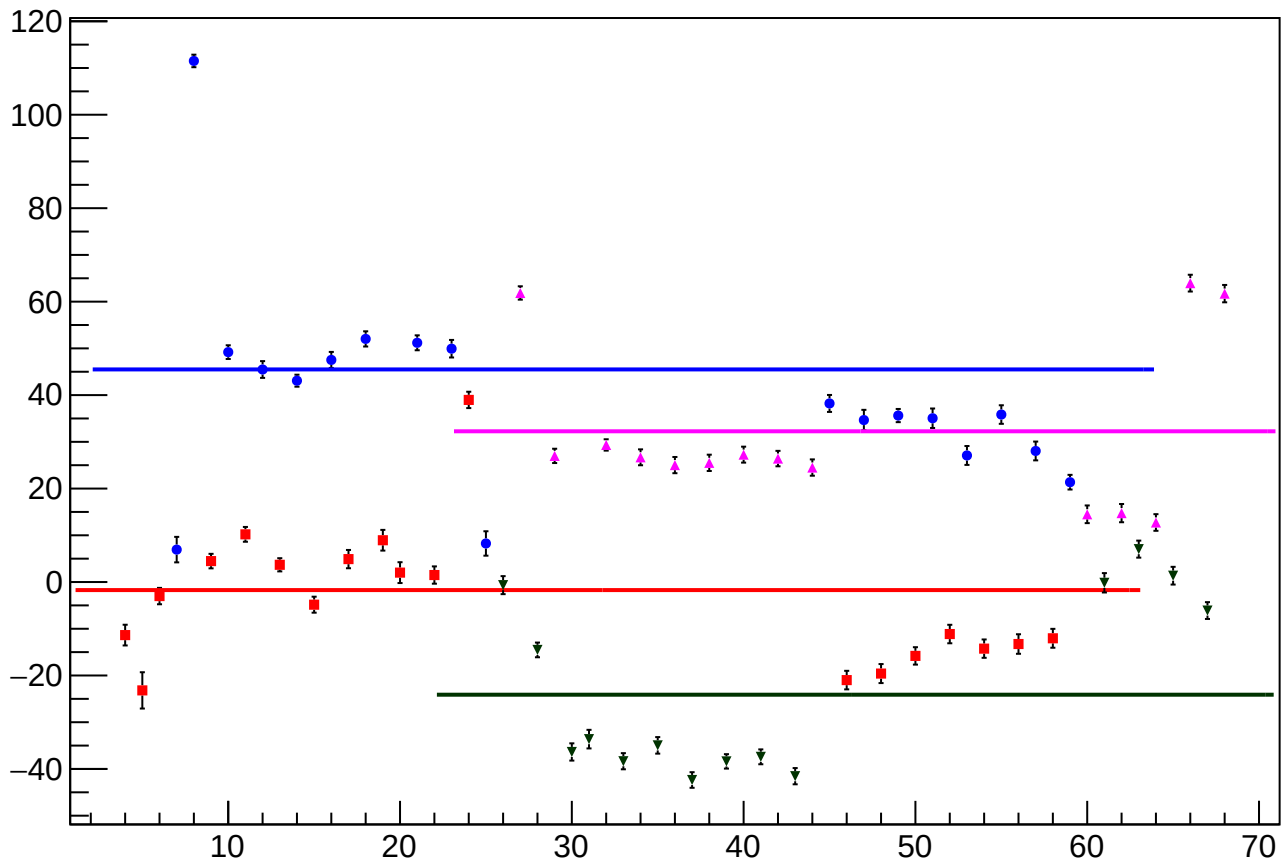
Right Out: 1020.749+/-0.232 χ^2/NDF : 605072.5/18

Left In: 1083.133+/-0.269 χ^2/NDF :177891.8/13

1044.929+/-0.174 χ^2/NDF : 1015867.8/31

1047.360+/-0.175 χ^2/NDF : 813897.6/32

diff_bpm2i01Y_mean vs slug



Right In: 45.496 $\pm$ 0.408 χ^2/NDF : 3402.2/17

Left Out: -1.724 $\pm$ 0.434 χ^2/NDF : 1071.7/18

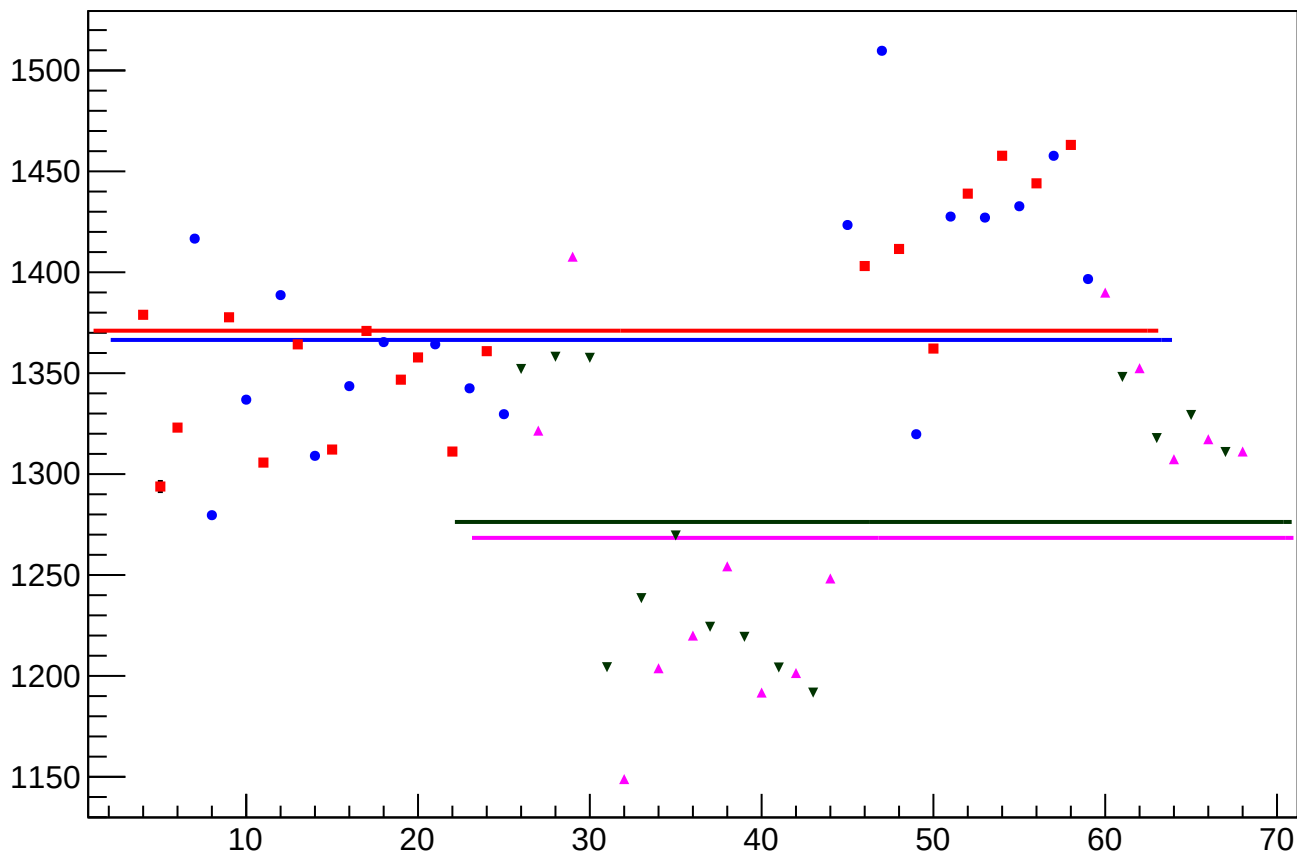
Right Out: 32.256 $\pm$ 0.443 χ^2/NDF : 1383.0/13

Left In: -24.113 $\pm$ 0.471 χ^2/NDF : 1438.9/13

15.694 $\pm$ 0.308 χ^2/NDF : 17306.6/31

14.917 $\pm$ 0.310 χ^2/NDF : 5457.5/32

diff_bpm2i01Y_rms vs slug



Right In: 1366.474+/-0.288 χ^2/NDF : 38633.0/17

Left Out: 1276.285+/-0.333 χ^2/NDF : 35232.4/13

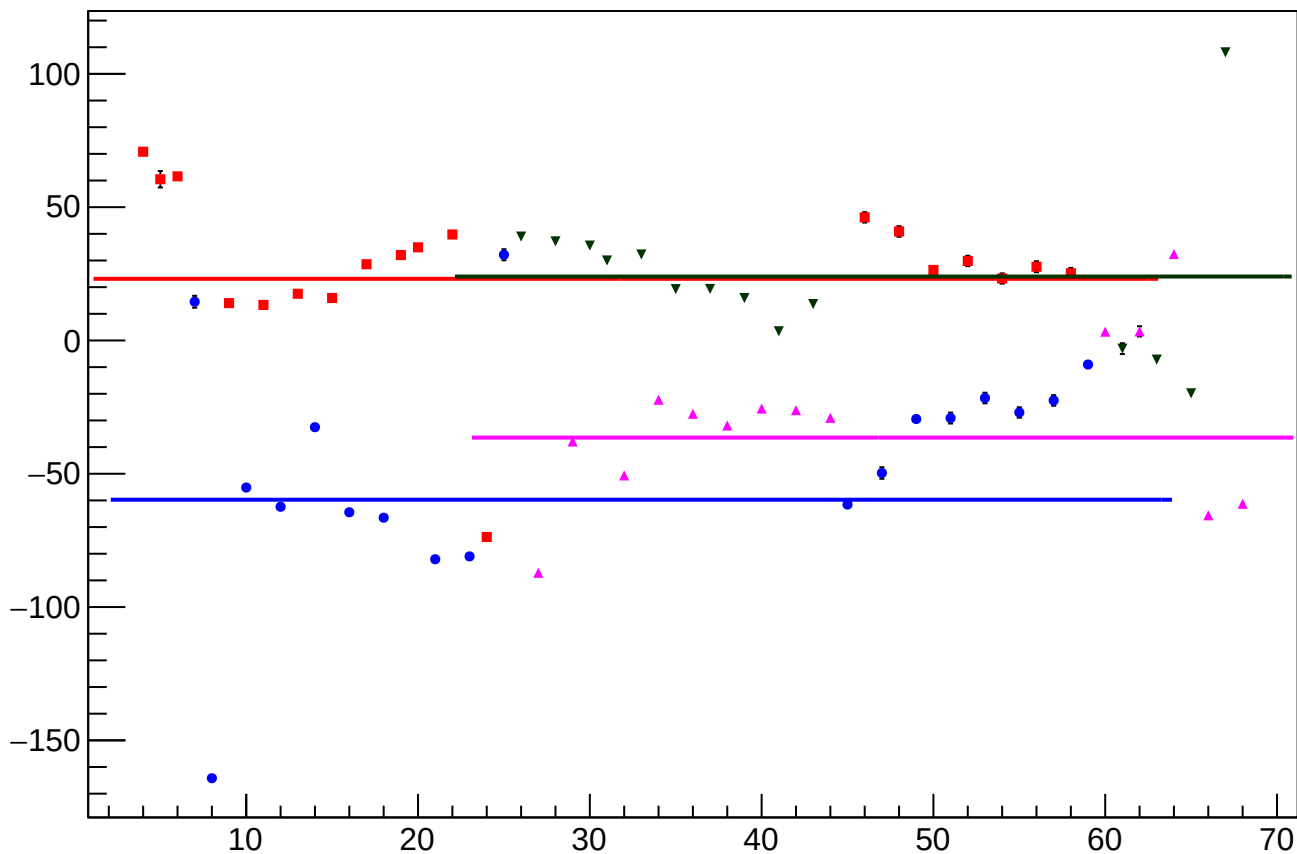
Right Out: 1371.055+/-0.307 χ^2/NDF : 24860.5/18

Left In: 1268.395+/-0.313 χ^2/NDF : 66357.1/13

1327.861+/-0.218 χ^2/NDF : 115718.1/31

1320.780+/-0.219 χ^2/NDF : 146036.3/32

diff_bpm2i02X_mean vs slug



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

Left Out: 23.984 $\pm$ 0.421 χ^2 /NDF: 3968.8/13

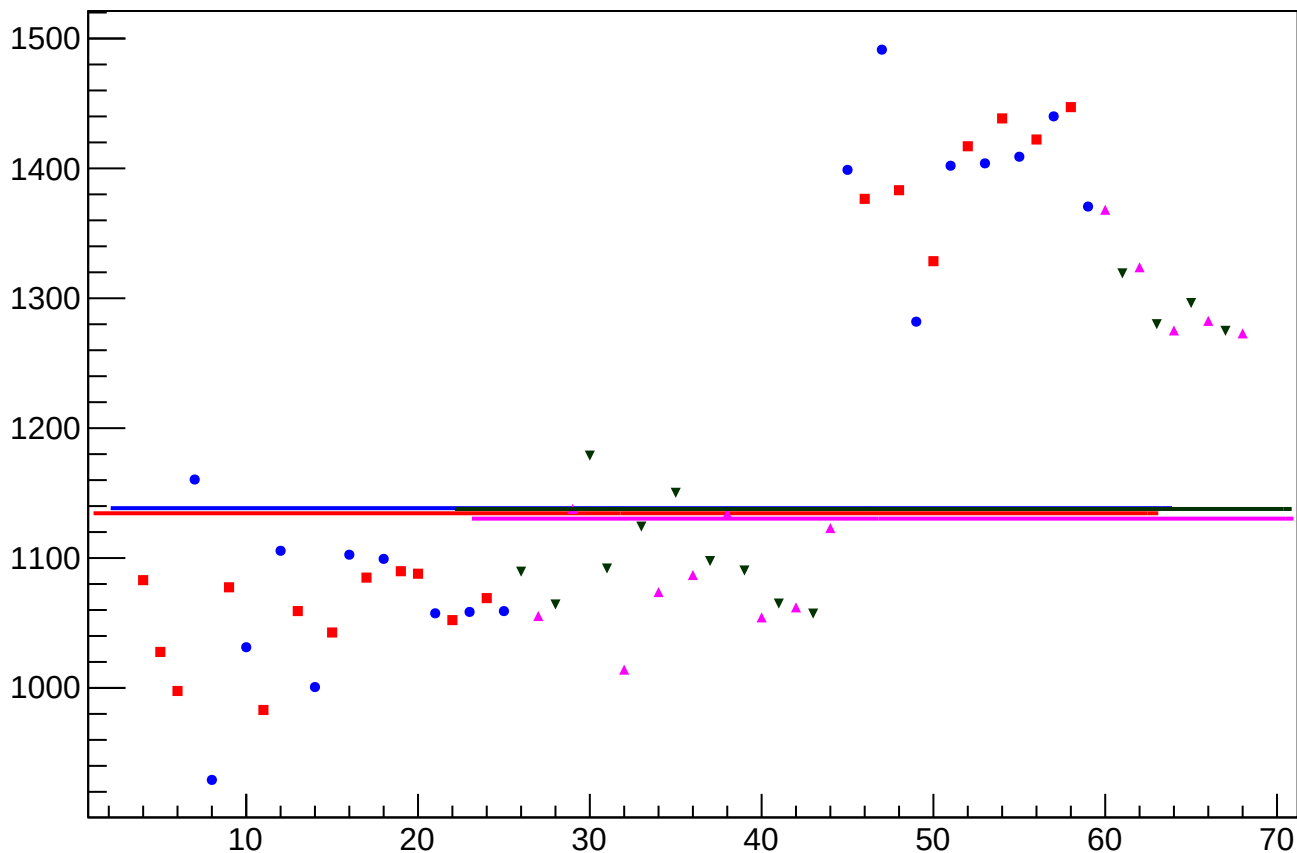
Right Out: 23.126 $\pm$ 0.362 χ^2 /NDF: 7355.2/18

Left In: -36.430 $\pm$ 0.396 χ^2 /NDF: 5332.1/13

-26.327 $\pm$ 0.266 χ^2 /NDF: 46485.9/31

-3.978 $\pm$ 0.267 χ^2 /NDF: 25019.0/32

diff_bpm2i02X_rms vs slug



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

Left Out: 1137.787+/-0.298 χ^2/NDF : 82404.6/13

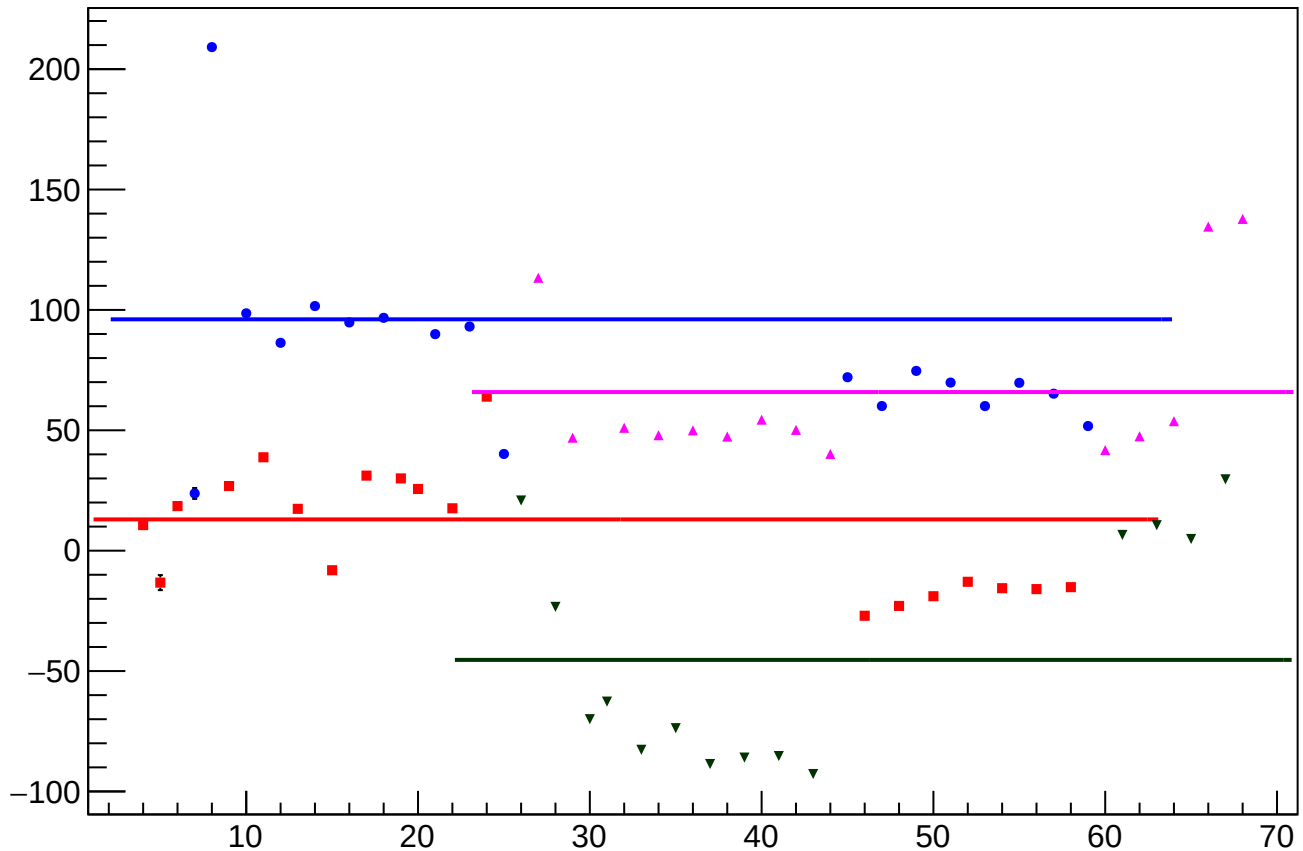
Right Out: 1134.479+/-0.256 χ^2/NDF : 360721.2/18

Left In: 1130.341+/-0.280 χ^2/NDF : 140732.2/13

1138.162+/-0.188 χ^2/NDF : 570482.9/31

1132.595+/-0.189 χ^2/NDF : 501572.5/32

diff_bpm2i02Y_mean vs slug



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

Left Out: -45.359 $\pm$ 0.419 χ^2 /NDF:11350.1/13

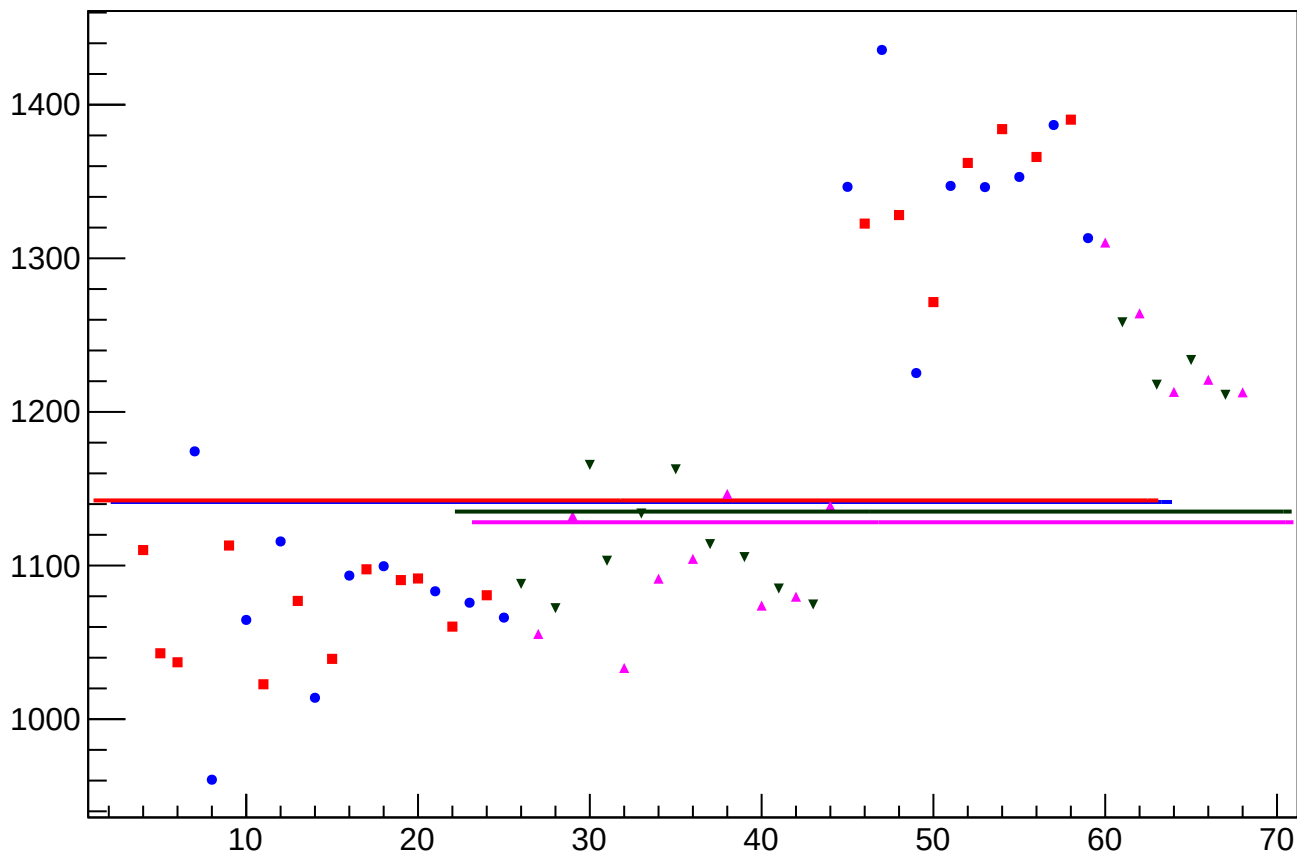
Right Out: 12.992 $\pm$ 0.363 χ^2 /NDF: 4541.3/18

Left In: 65.888 $\pm$ 0.394 χ^2 /NDF:6749.1/13

39.430 $\pm$ 0.265 χ^2 /NDF: 96646.8/31

37.277 $\pm$ 0.267 χ^2 /NDF: 21025.2/32

diff_bpm2i02Y_rms vs slug



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

Left Out: 1135.131 $\pm$ 0.297 χ^2 /NDF: 38989.4/13

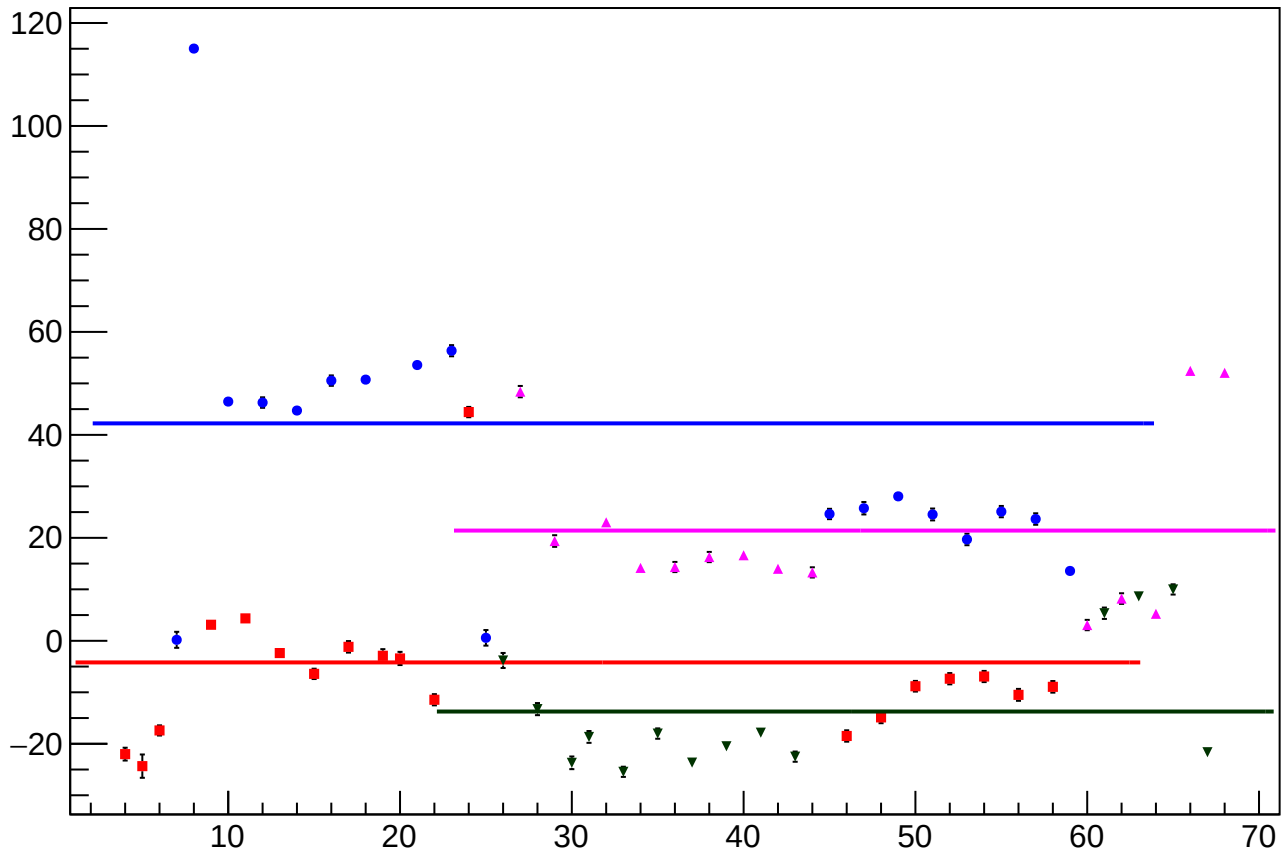
Right Out: 1142.390 $\pm$ 0.257 χ^2 /NDF: 236212.3/18

Left In: 1128.175 $\pm$ 0.279 χ^2 /NDF: 78028.4/13

1138.876 $\pm$ 0.188 χ^2 /NDF: 368561.8/31

1135.864 $\pm$ 0.189 χ^2 /NDF: 315646.6/32

diff_bpm1i04X_mean vs slug



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

Left Out: -13.735 $\pm$ 0.275 χ^2 /NDF: 2029.8/13

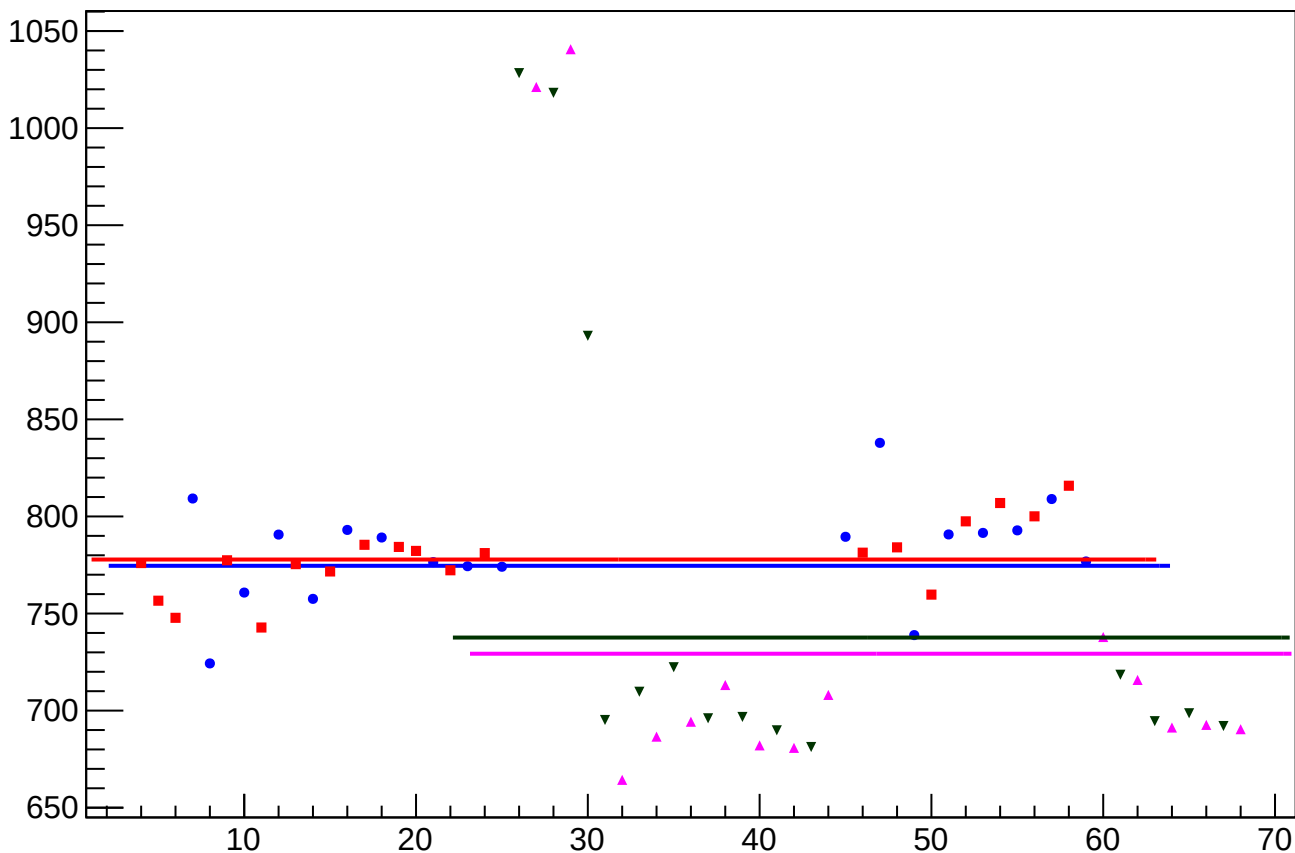
Right Out: -4.198 $\pm$ 0.246 χ^2 /NDF: 3378.3/18

Left In: 21.414 $\pm$ 0.257 χ^2 /NDF: 3750.4/13

19.069 $\pm$ 0.177 χ^2 /NDF: 40641.6/31

8.051 $\pm$ 0.178 χ^2 /NDF: 12322.1/32

diff_bpm1i04X_rms vs slug



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

Left Out: 737.628 $\pm$ 0.194 χ^2 /NDF: 261801.0/13

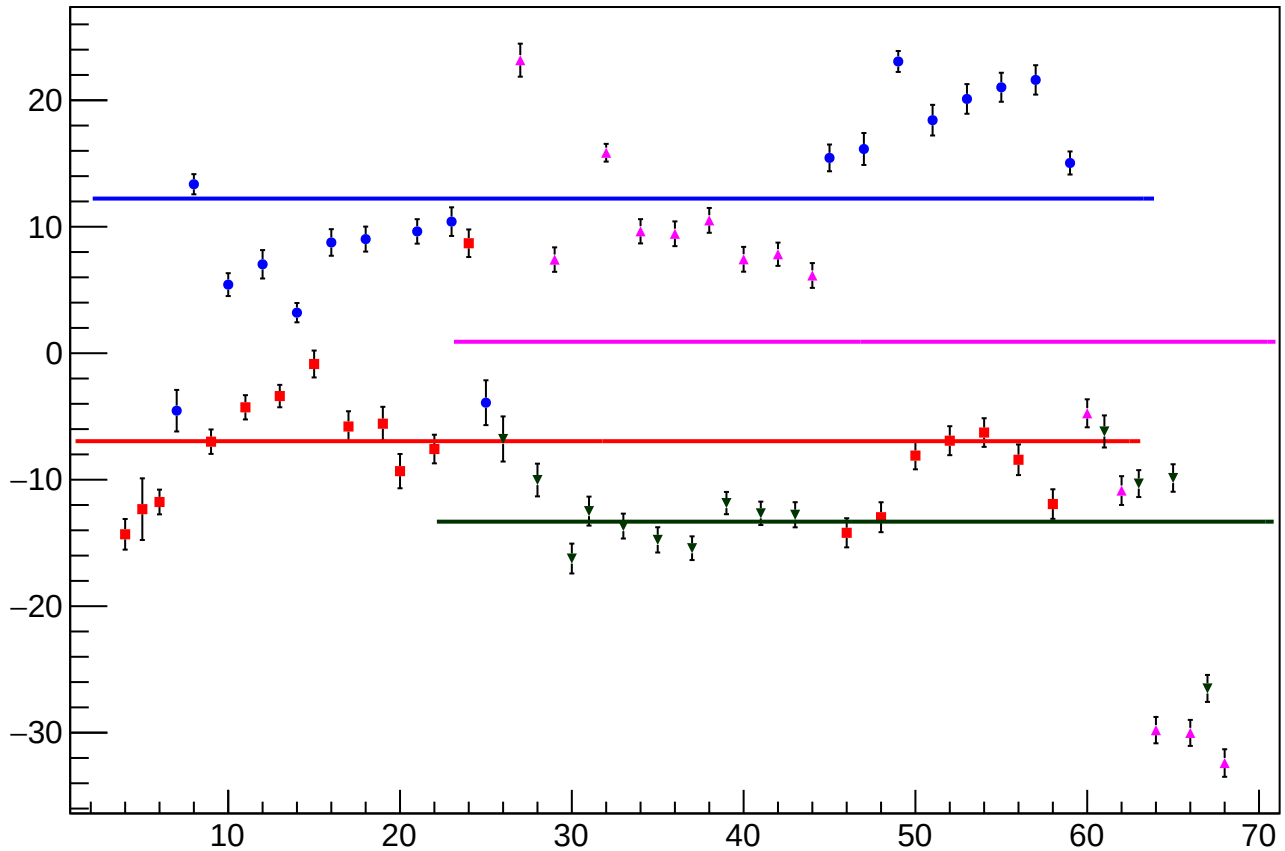
Right Out: 777.816 $\pm$ 0.174 χ^2 /NDF: 11180.5/18

Left In: 729.296 $\pm$ 0.182 χ^2 /NDF: 337289.2/13

759.288 $\pm$ 0.125 χ^2 /NDF: 309366.2/31

754.612 $\pm$ 0.126 χ^2 /NDF: 385747.9/32

diff_bpm1i04Y_mean vs slug



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

Left Out: -13.316 ± 0.286 χ^2/NDF : 239.6/13

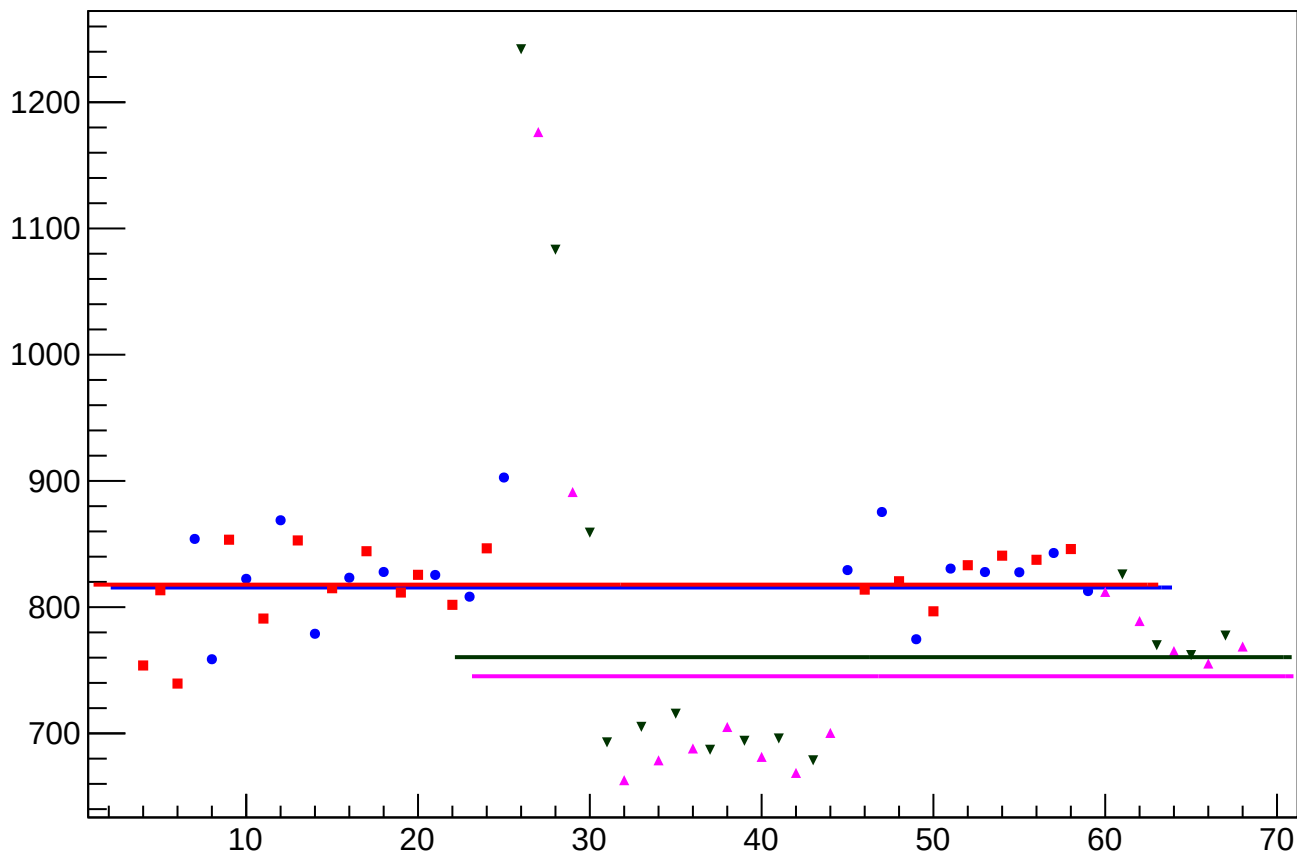
Right Out: -6.954 ± 0.259 χ^2/NDF : 420.8/18

Left In: 0.906 ± 0.263 χ^2/NDF : 4013.7/13

1.472 ± 0.185 χ^2/NDF : 5705.4/31

-3.088 ± 0.185 χ^2/NDF : 4887.3/32

diff_bpm1i04Y_rms vs slug



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

Left Out: 760.395+/-0.202 χ^2/NDF :354408.5/13

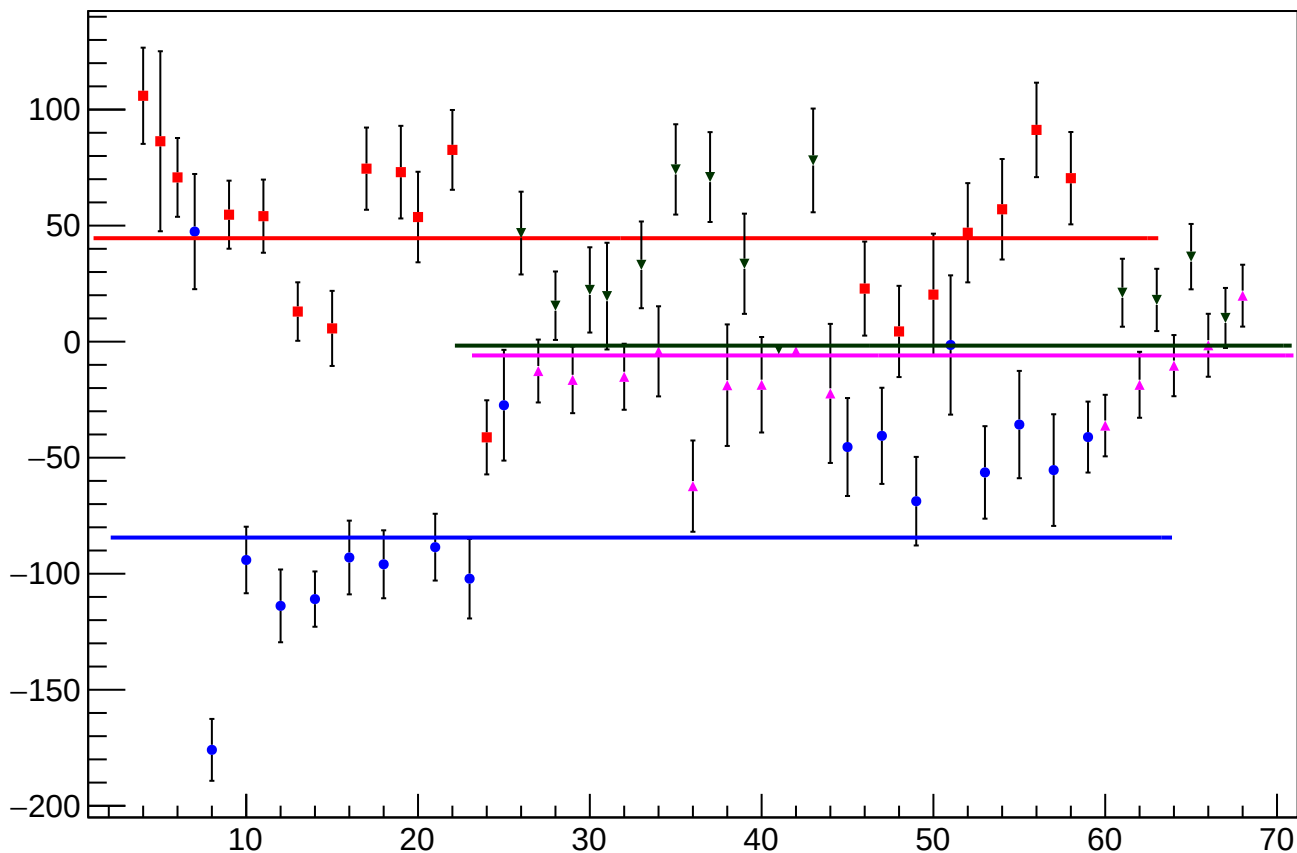
Right Out: 817.840+/-0.183 χ^2/NDF : 32410.2/18

Left In: 745.259+/-0.186 χ^2/NDF :349743.0/13

792.341+/-0.131 χ^2/NDF : 435294.6/31

782.143+/-0.131 χ^2/NDF : 459367.8/32

diff_bpm0l02X_mean vs slug



Right In: -84.415 ± 4.060 $\chi^2/\text{NDF}: 124.1/17$

Left Out: -1.712 ± 0.962 $\chi^2/\text{NDF}: 74.7/13$

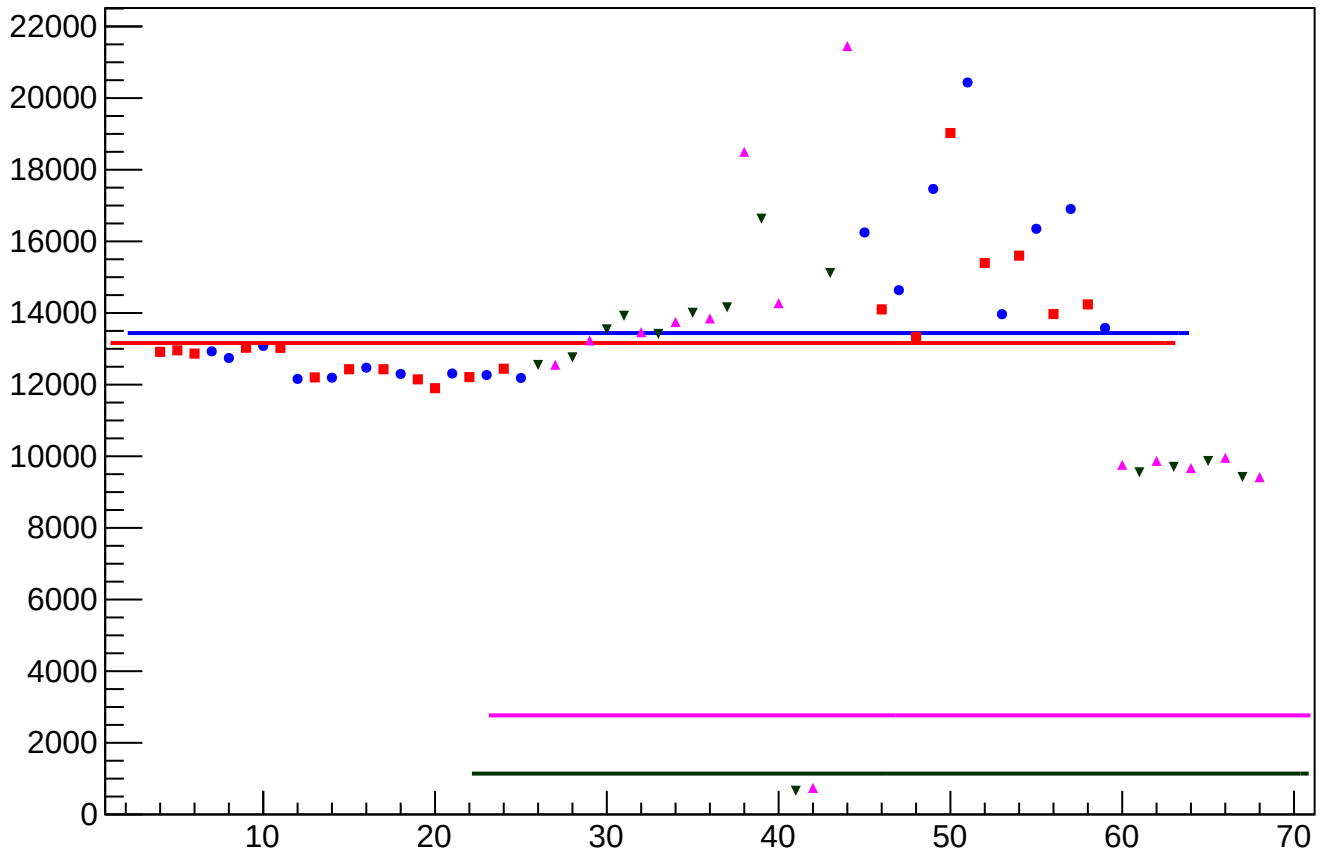
Right Out: 44.573 ± 4.203 $\chi^2/\text{NDF}: 77.6/18$

Left In: -5.948 ± 1.862 $\chi^2/\text{NDF}: 21.0/13$

-6.110 ± 0.936 $\chi^2/\text{NDF}: 591.7/31$

2.346 ± 1.703 $\chi^2/\text{NDF}: 219.4/32$

diff_bpm0l02X_rms vs slug



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

Left Out: 1140.916+/-0.680 χ^2/NDF : 11581517.9/13

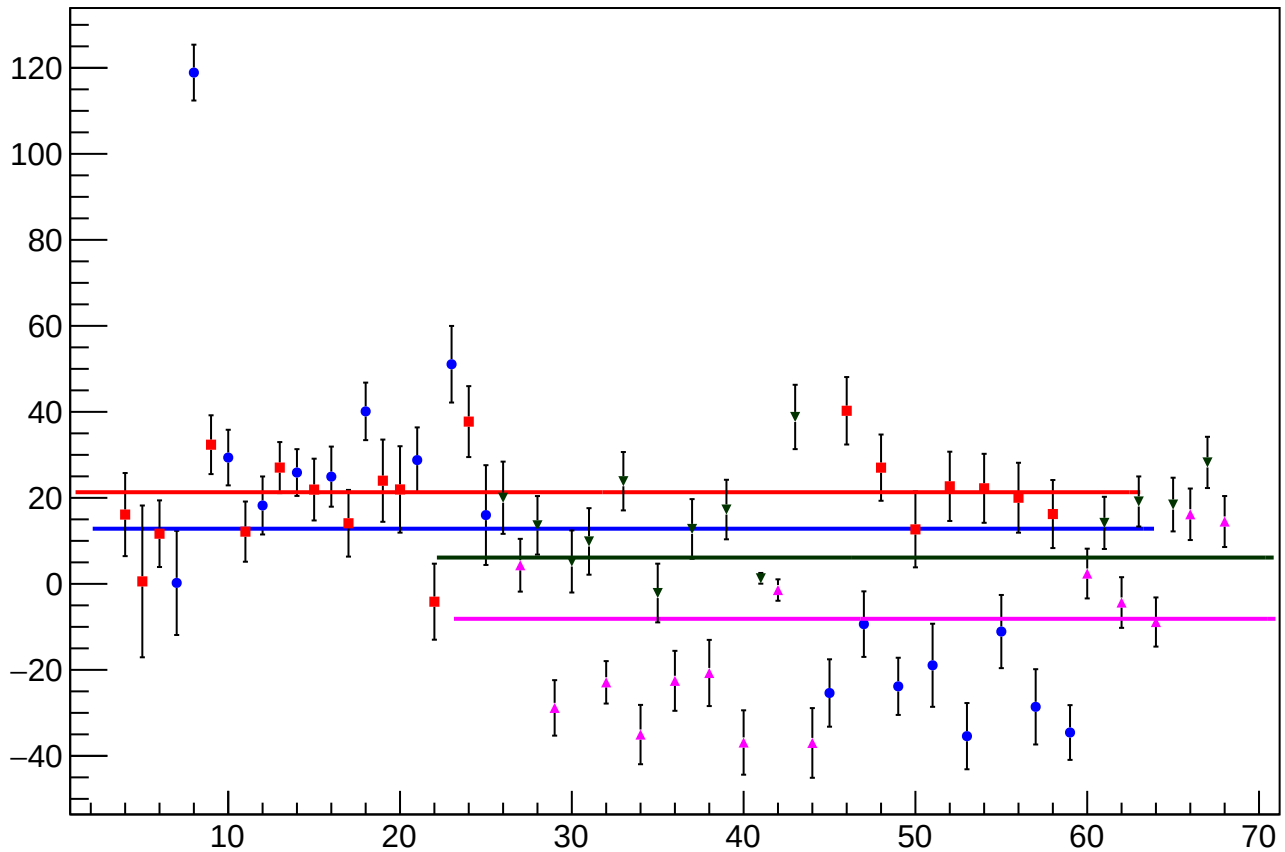
Right Out: 13162.769+/-2.972 χ^2/NDF : 204436.9/18

Left In: 2766.399+/-1.317 χ^2/NDF : 11236229.1/13

1795.011+/-0.662 χ^2/NDF : 29364255.6/31

4473.090+/-1.204 χ^2/NDF : 21670712.7/32

diff_bpm0l02Y_mean vs slug



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

Left Out: 6.119 $\pm$ 1.038 χ^2 /NDF: 74.6/13

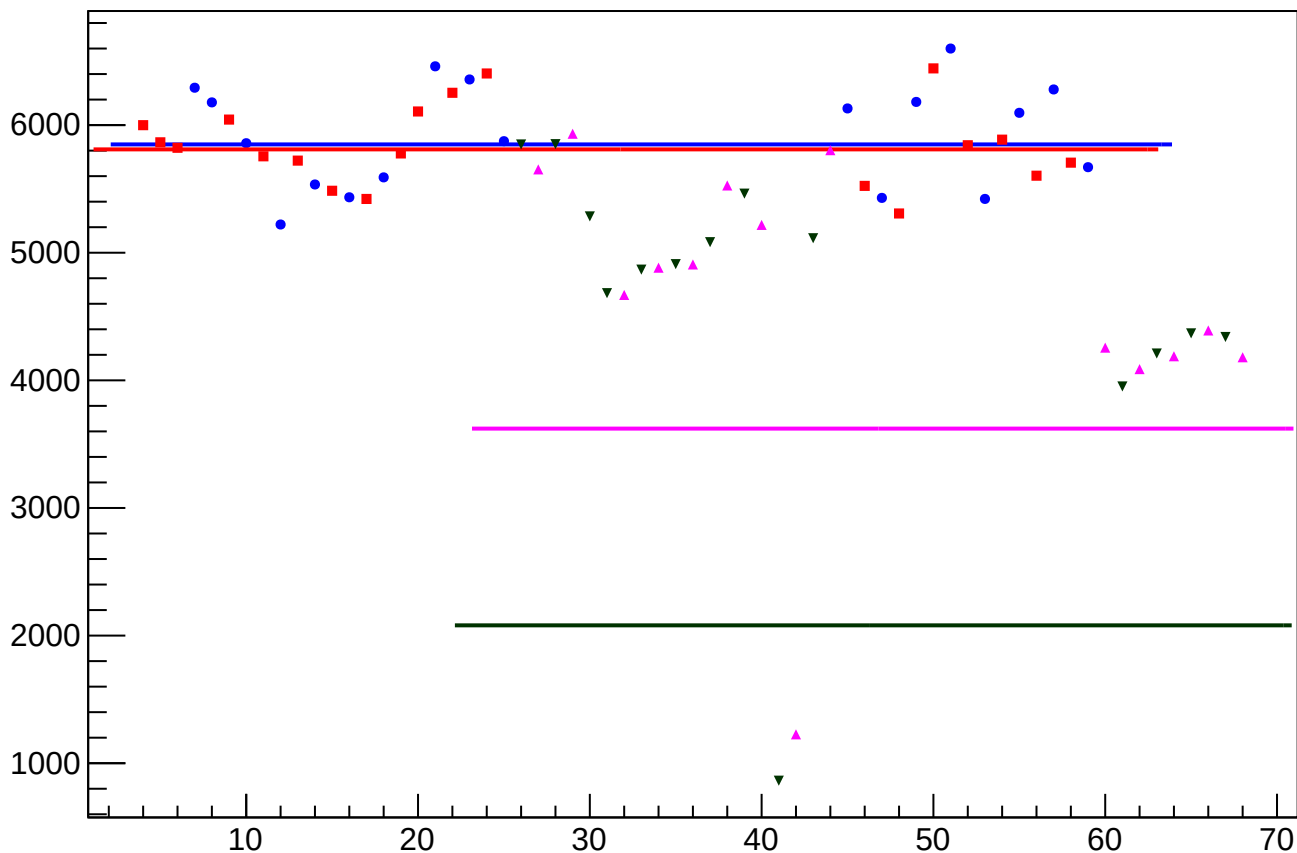
Right Out: 21.314 $\pm$ 1.847 χ^2 /NDF: 29.5/18

Left In: -8.127 $\pm$ 1.428 χ^2 /NDF: 115.0/13

7.860 $\pm$ 0.893 χ^2 /NDF: 607.2/31

2.892 $\pm$ 1.130 χ^2 /NDF: 303.5/32

diff_bpm0l02Y_rms vs slug



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

Left Out: 2080.313+/-0.734 χ^2/NDF : 6421426.6/13

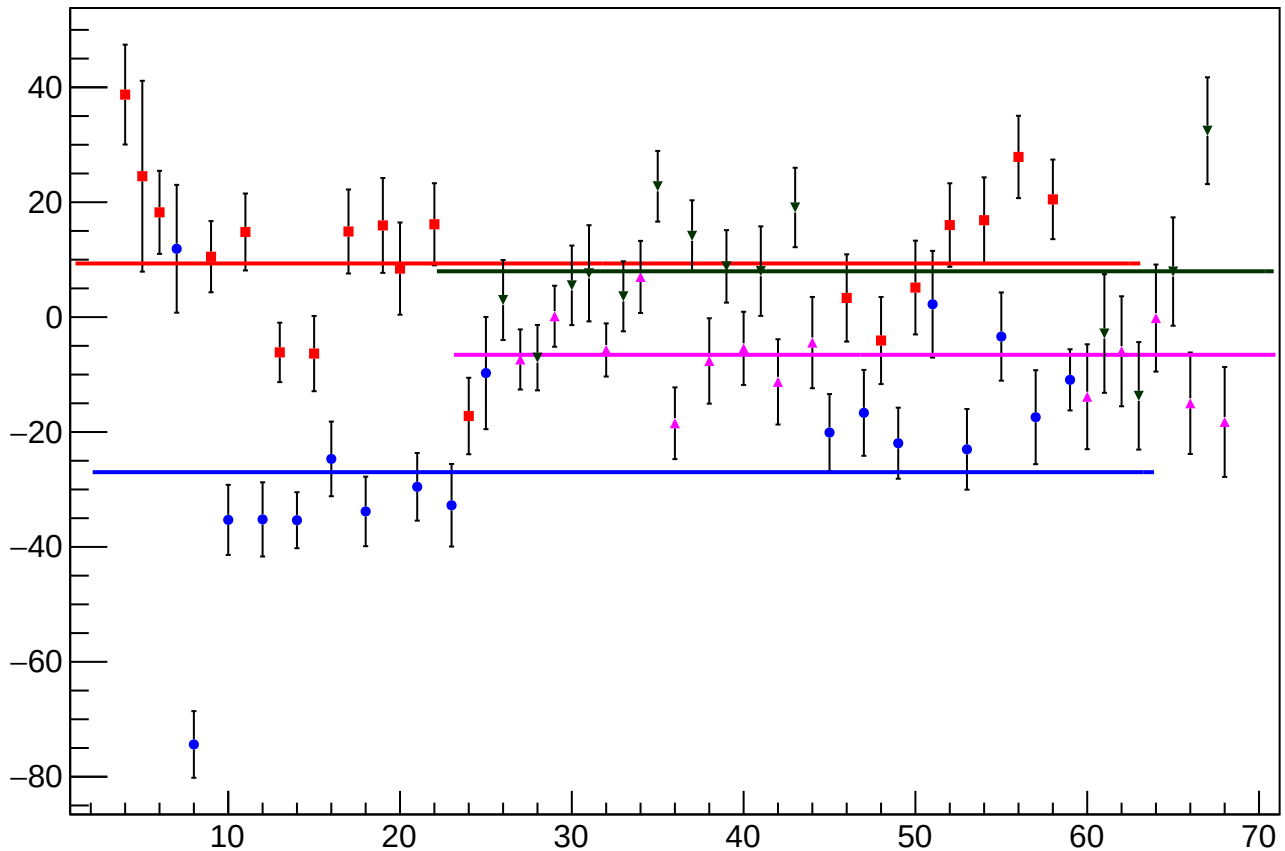
Right Out: 5809.767+/-1.306 χ^2/NDF : 53321.4/18

Left In: 3621.908+/-1.010 χ^2/NDF : 3017184.4/13

3058.383+/-0.631 χ^2/NDF : 13370812.3/31

4440.776+/-0.799 χ^2/NDF : 4826486.8/32

diff_bpm0l03X_mean vs slug



Right In: -26.989 ± 1.569 χ^2/NDF : 124.5/17

Left Out: 7.978 ± 1.917 χ^2/NDF : 30.9/13

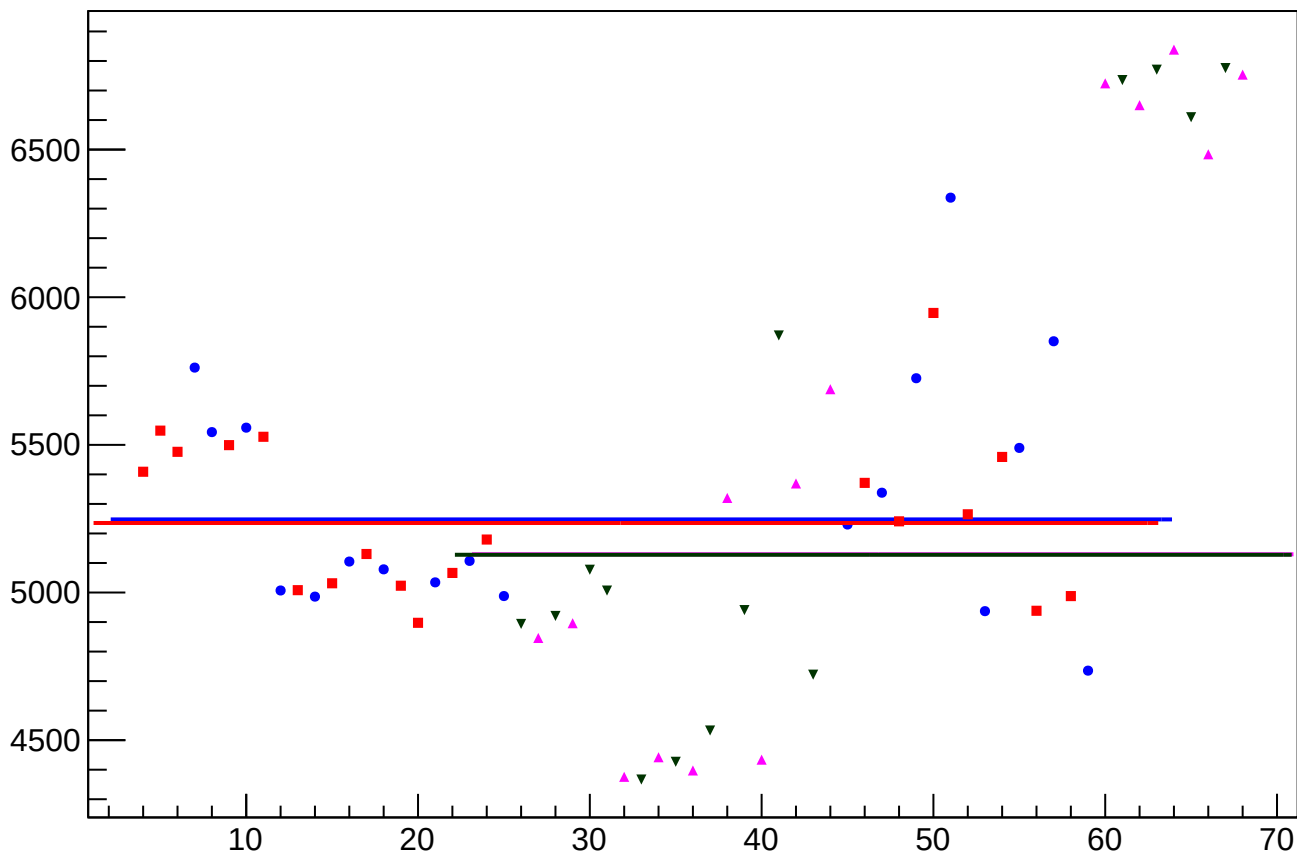
Right Out: 9.337 ± 1.659 χ^2/NDF : 62.4/18

Left In: -6.560 ± 1.811 χ^2/NDF : 14.0/13

-12.954 ± 1.214 χ^2/NDF : 354.7/31

2.083 ± 1.224 χ^2/NDF : 118.3/32

diff_bpm0l03X_rms vs slug



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

Left Out: 5127.843+/-1.355 χ^2/NDF : 330291.1/13

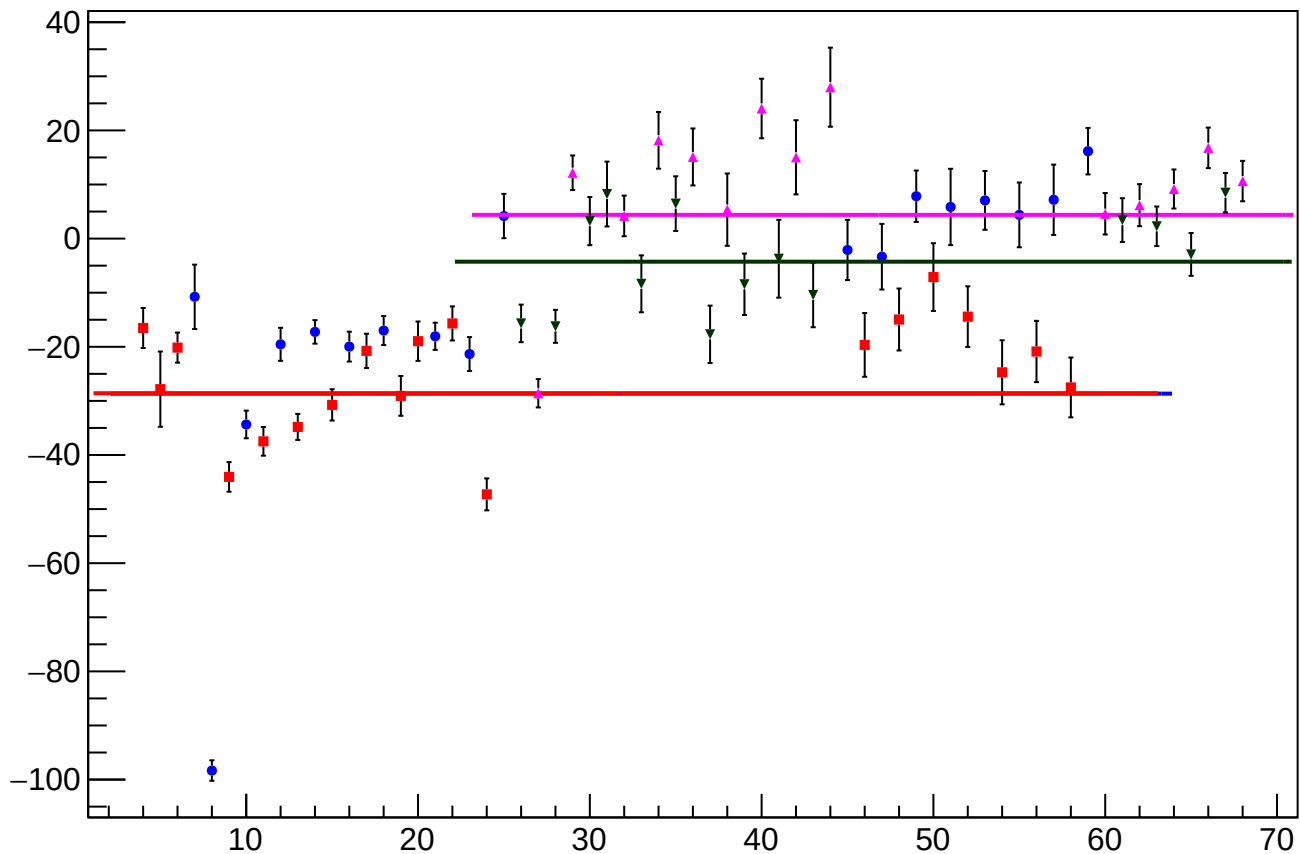
Right Out: 5235.469+/-1.173 χ^2/NDF : 47165.0/18

Left In: 5129.396+/-1.281 χ^2/NDF : 435047.9/13

5199.515+/-0.859 χ^2/NDF : 440592.3/31

5187.068+/-0.865 χ^2/NDF : 485941.5/32

diff_bpm0l03Y_mean vs slug



Right In: -28.657 ± 0.782 $\chi^2/\text{NDF}: 1857.6/17$

Left Out: -4.269 ± 1.168 $\chi^2/\text{NDF}: 65.7/13$

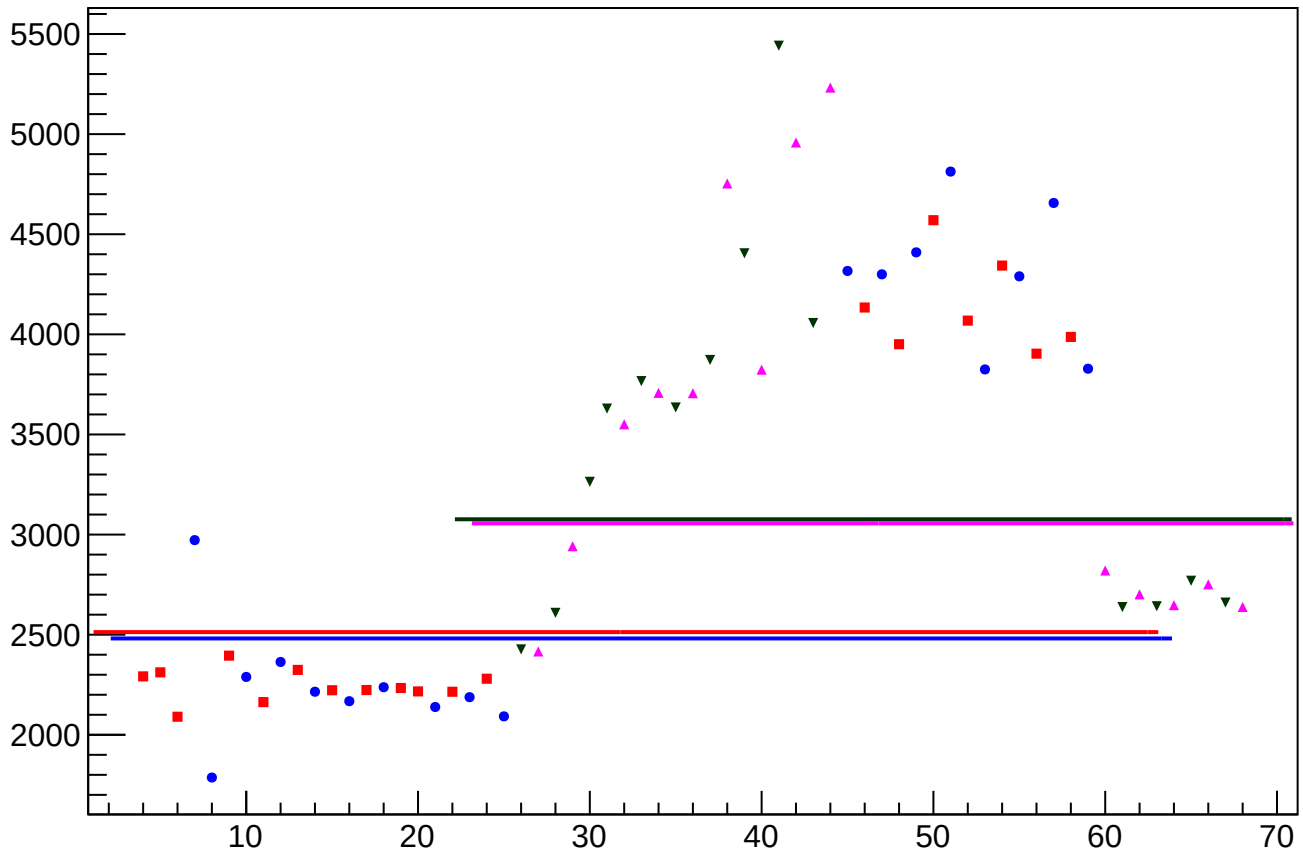
Right Out: -28.584 ± 0.826 $\chi^2/\text{NDF}: 168.7/18$

Left In: 4.390 ± 1.093 $\chi^2/\text{NDF}: 216.7/13$

-21.106 ± 0.650 $\chi^2/\text{NDF}: 2224.3/31$

-16.597 ± 0.659 $\chi^2/\text{NDF}: 964.1/32$

diff_bpm0l03Y_rms vs slug



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

Left Out: 3076.414+/-0.826 χ^2/NDF : 710894.6/13

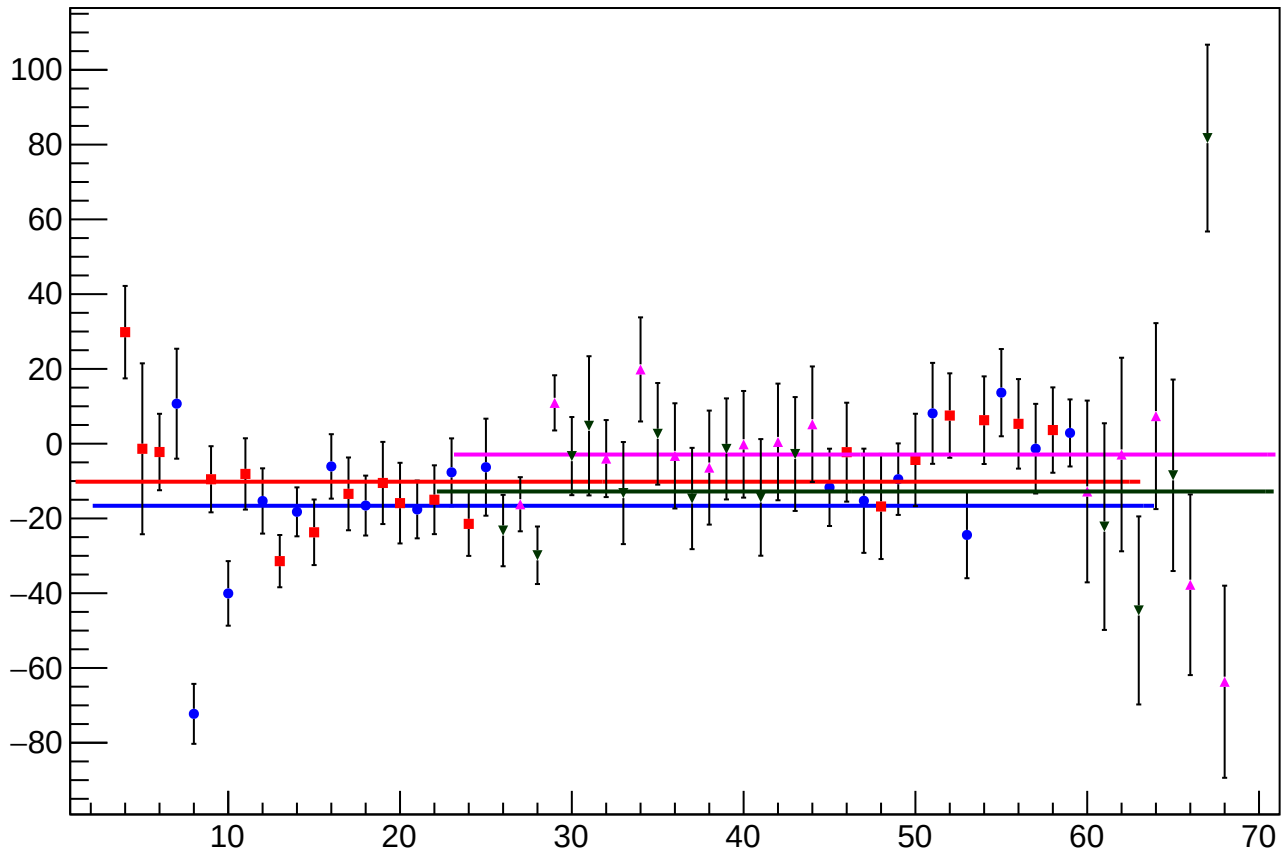
2665.498+/-0.459 χ^2/NDF : 3182001.1/31

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

2710.387+/-0.466 χ^2/NDF : 2417961.5/32

Left In: 3056.079+/-0.773 χ^2/NDF : 805311.8/13

diff_bpm0l04X_mean vs slug



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

Left Out: -12.788 ± 3.627 $\chi^2/\text{NDF}: 26.3/13$

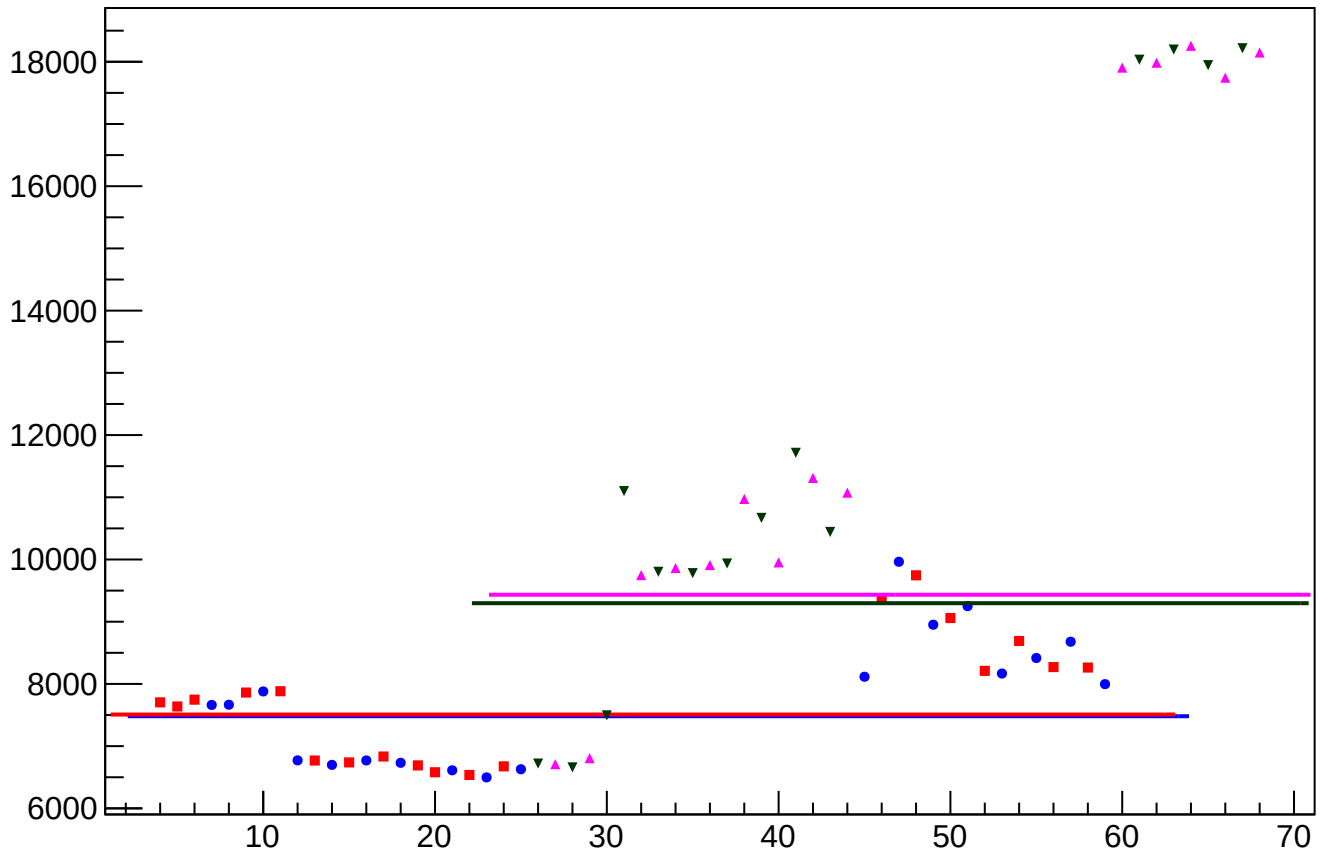
Right Out: -10.172 ± 2.389 $\chi^2/\text{NDF}: 33.7/18$

Left In: -2.906 ± 3.480 $\chi^2/\text{NDF}: 18.0/13$

-15.554 ± 1.907 $\chi^2/\text{NDF}: 107.0/31$

-7.844 ± 1.970 $\chi^2/\text{NDF}: 54.6/32$

diff_bpm0l04X_rms vs slug



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

Left Out: 9297.537+/-2.564 χ^2/NDF :1481806.2/13

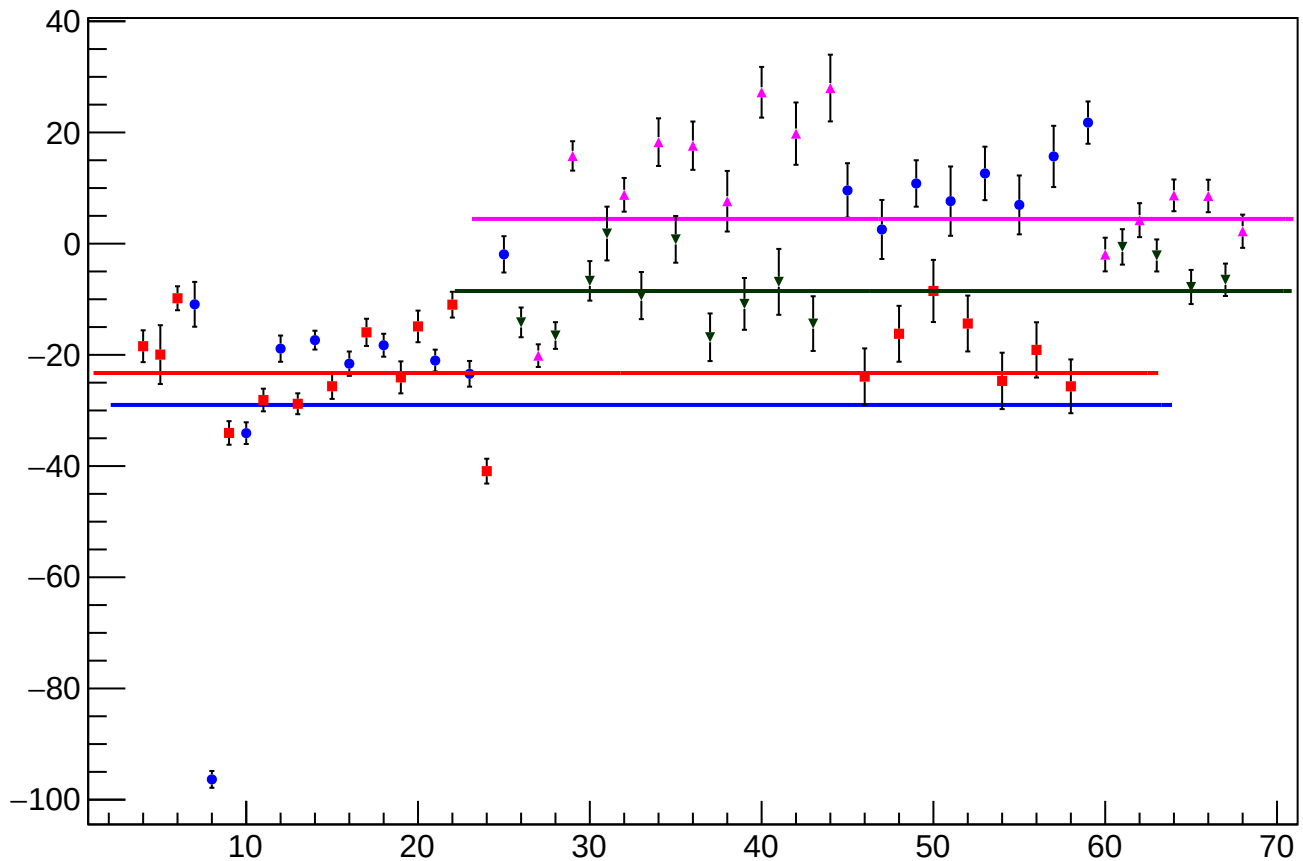
Right Out: 7508.240+/-1.689 χ^2/NDF : 289453.4/18

Left In: 9433.624+/-2.461 χ^2/NDF :1796170.5/13

7983.005+/-1.348 χ^2/NDF : 2179850.7/31

8125.042+/-1.393 χ^2/NDF : 2501773.7/32

diff_bpm0l04Y_mean vs slug



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

Left Out: -8.519+/-0.928 χ^2/NDF : 42.5/13

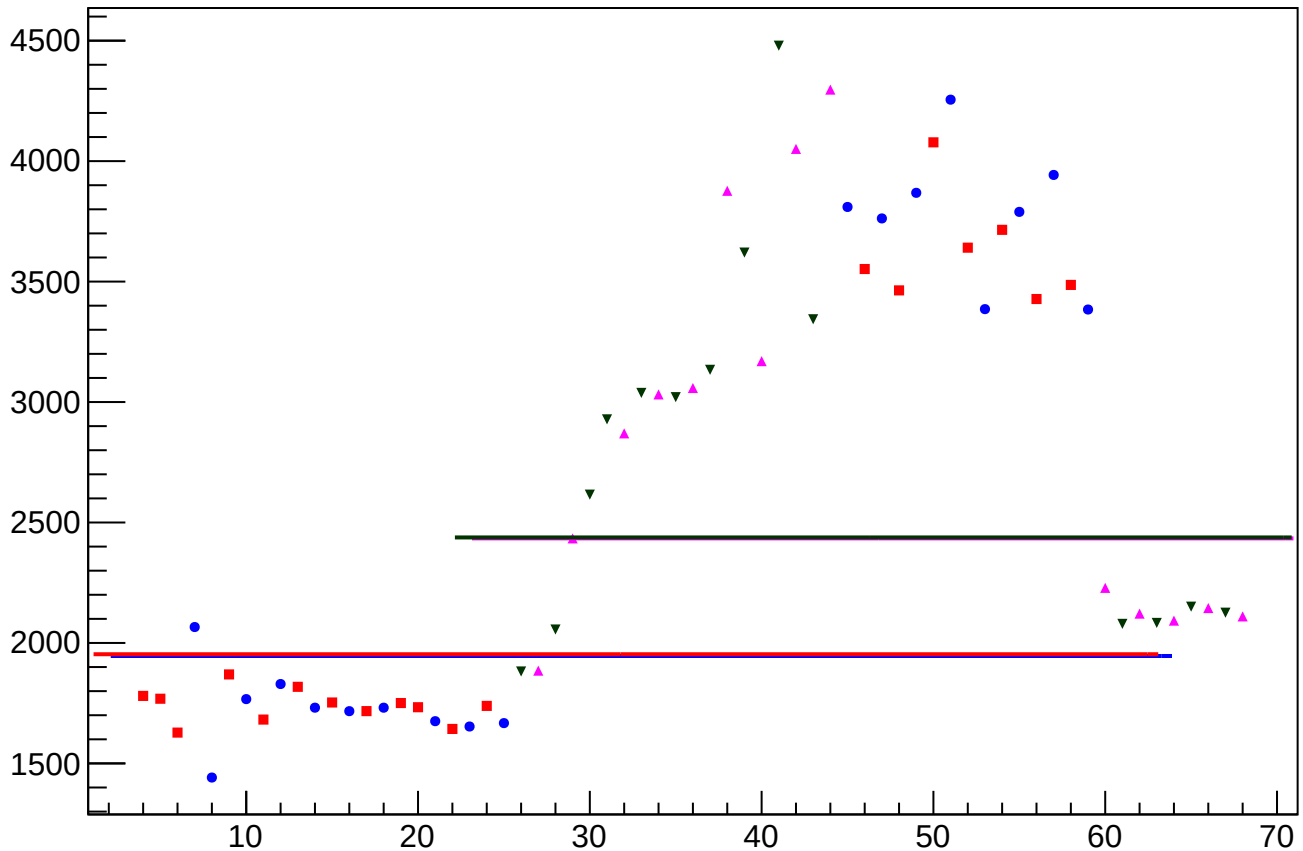
Right Out: -23.263+/-0.648 χ^2/NDF : 204.8/18

Left In: 4.447+/-0.874 χ^2/NDF : 243.0/13

-22.709+/-0.515 χ^2/NDF : 3172.0/31

-13.432+/-0.520 χ^2/NDF : 1096.6/32

diff_bpm0l04Y_rms vs slug



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

Left Out: 2437.964+/-0.656 χ^2/NDF : 824369.3/13

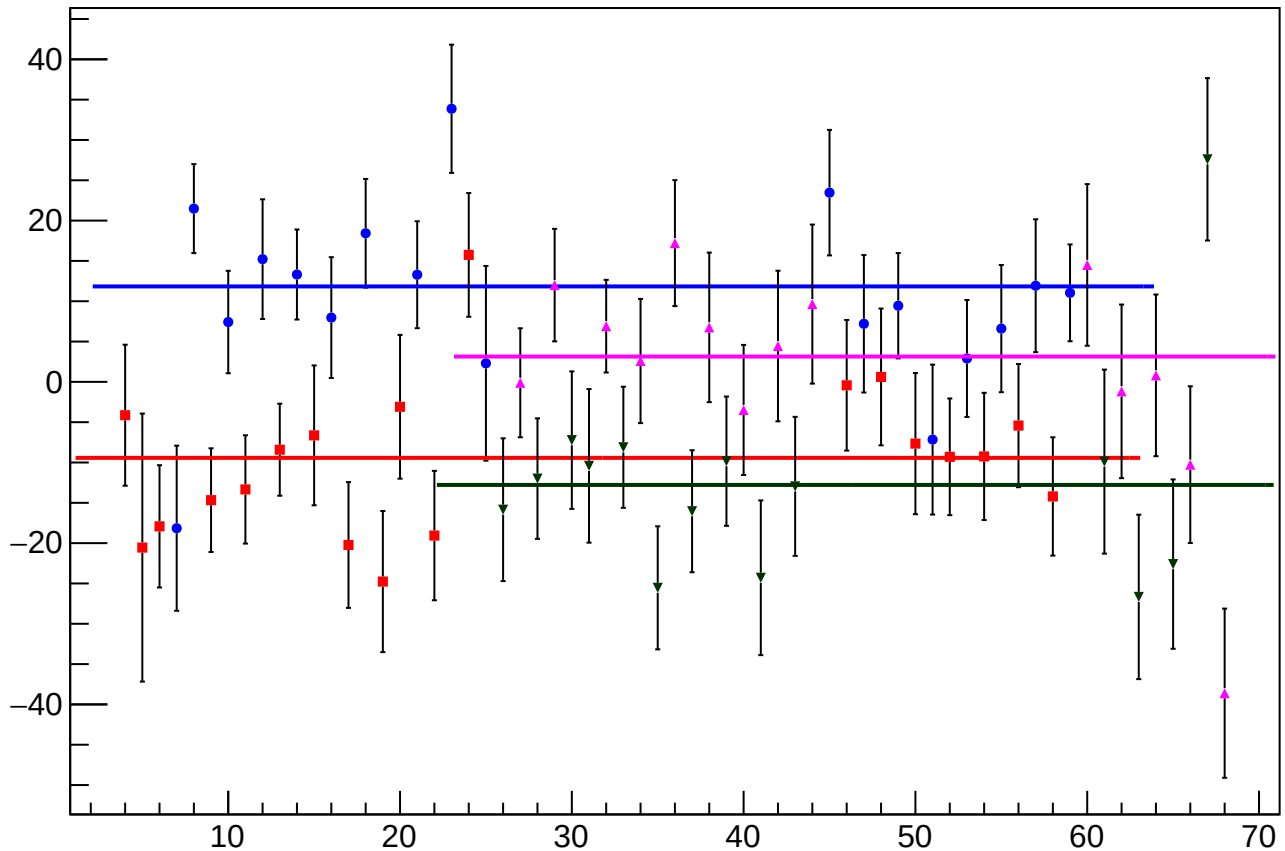
2097.134+/-0.364 χ^2/NDF : 3813266.7/31

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

2123.775+/-0.368 χ^2/NDF : 3036772.2/32

Left In: 2434.067+/-0.618 χ^2/NDF : 920043.5/13

diff_bpm0l05X_mean vs slug



Right In: 11.837 ± 1.701 χ^2/NDF : 30.8/17

Left Out: -12.781 ± 2.332 χ^2/NDF : 24.4/13

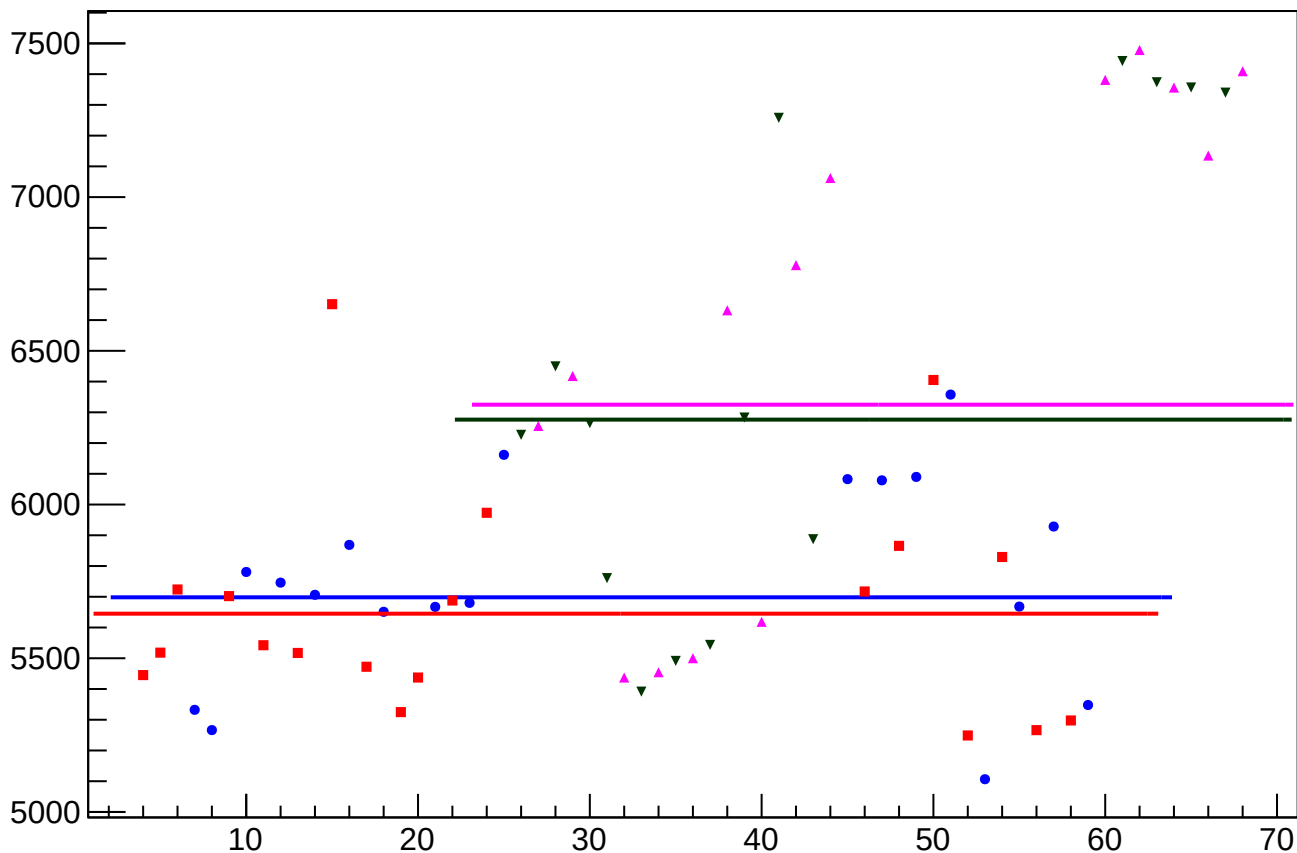
Right Out: -9.425 ± 1.790 χ^2/NDF : 24.3/18

Left In: 3.140 ± 2.220 χ^2/NDF : 26.0/13

3.286 ± 1.374 χ^2/NDF : 128.0/31

-4.474 ± 1.393 χ^2/NDF : 69.7/32

diff_bpm0l05X_rms vs slug



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

Left Out: 6276.237+/-1.649 χ^2/NDF : 187254.8/13

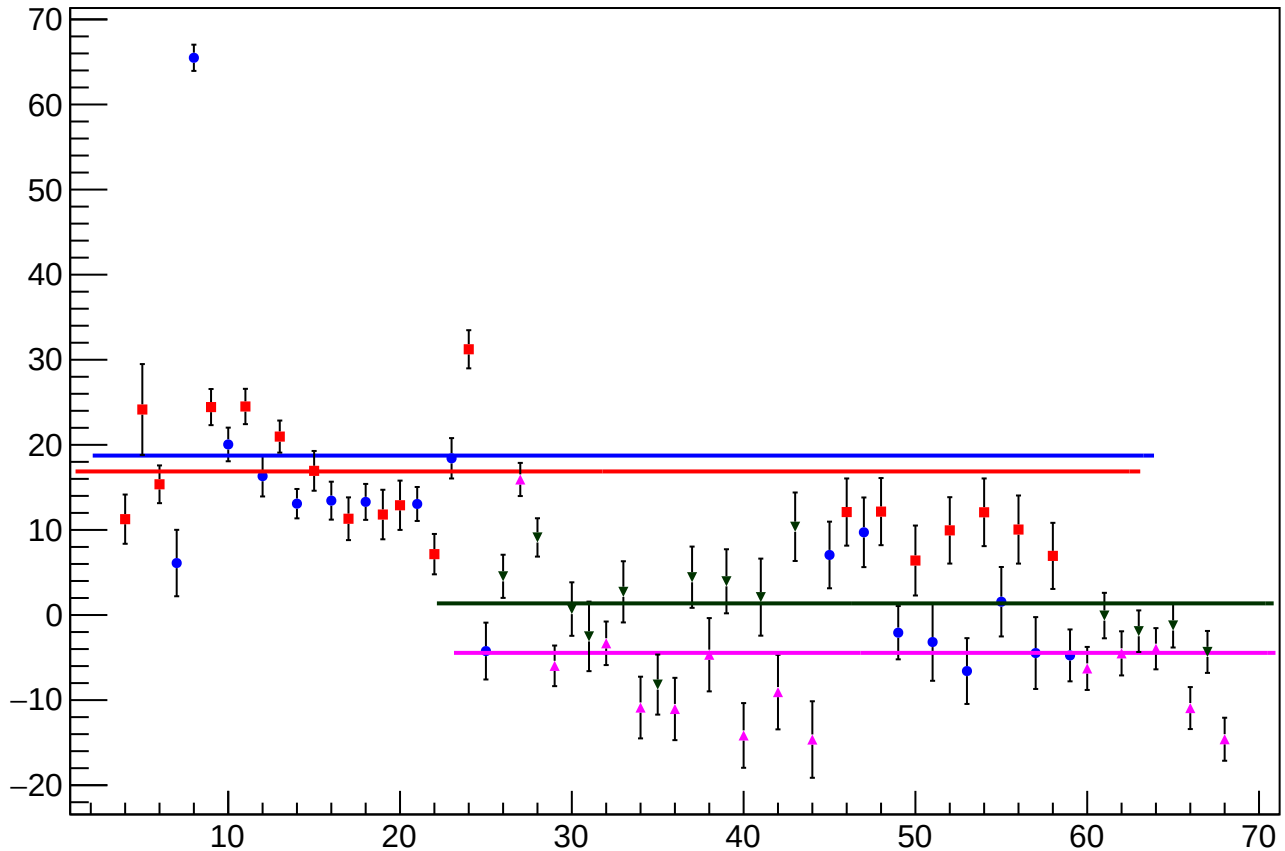
Right Out: 5644.999+/-1.266 χ^2/NDF : 71475.4/18

Left In: 6324.802+/-1.570 χ^2/NDF : 231226.5/13

5899.024+/-0.972 χ^2/NDF : 334672.5/31

5912.863+/-0.985 χ^2/NDF : 416369.5/32

diff_bpm0l05Y_mean vs slug



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

Left Out: 1.367 $\pm$ 0.803 χ^2 /NDF: 36.5/13

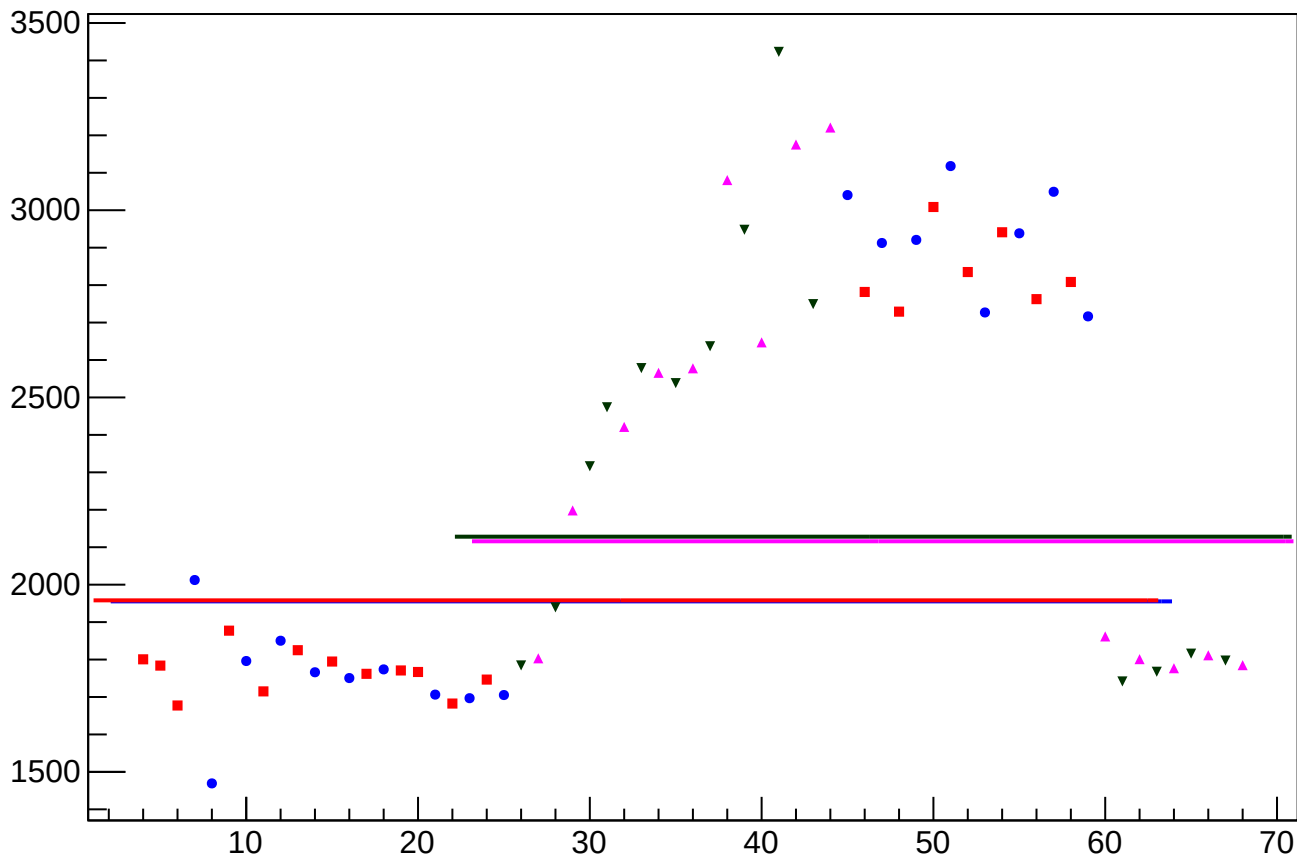
Right Out: 16.874 $\pm$ 0.633 χ^2 /NDF: 128.0/18

Left In: -4.448 $\pm$ 0.753 χ^2 /NDF: 152.8/13

12.494 $\pm$ 0.482 χ^2 /NDF: 1577.4/31

8.042 $\pm$ 0.485 χ^2 /NDF: 750.4/32

diff_bpm0l05Y_rms vs slug



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

Left Out: 2128.153 $\pm$ 0.568 χ^2 /NDF: 627060.0/13

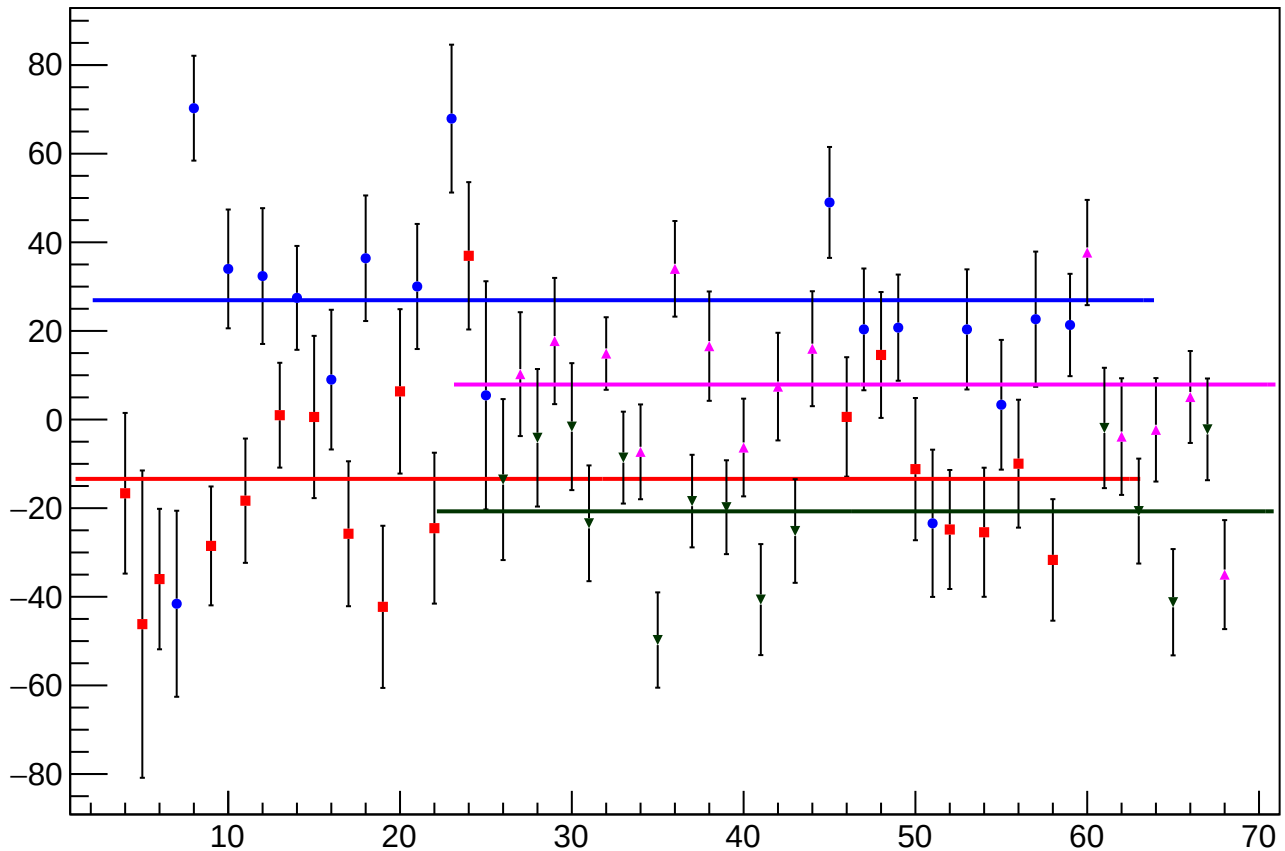
Right Out: 1958.115 $\pm$ 0.448 χ^2 /NDF: 858074.3/18

Left In: 2115.837 $\pm$ 0.532 χ^2 /NDF: 675729.5/13

2017.479 $\pm$ 0.340 χ^2 /NDF: 2062032.2/31

2023.446 $\pm$ 0.343 χ^2 /NDF: 1585200.3/32

diff_bpm0l06X_mean vs slug



Right In: 26.931 $\pm$ 3.337 χ^2 /NDF: 48.9/17

Left Out: -20.715 $\pm$ 3.249 χ^2 /NDF: 22.0/13

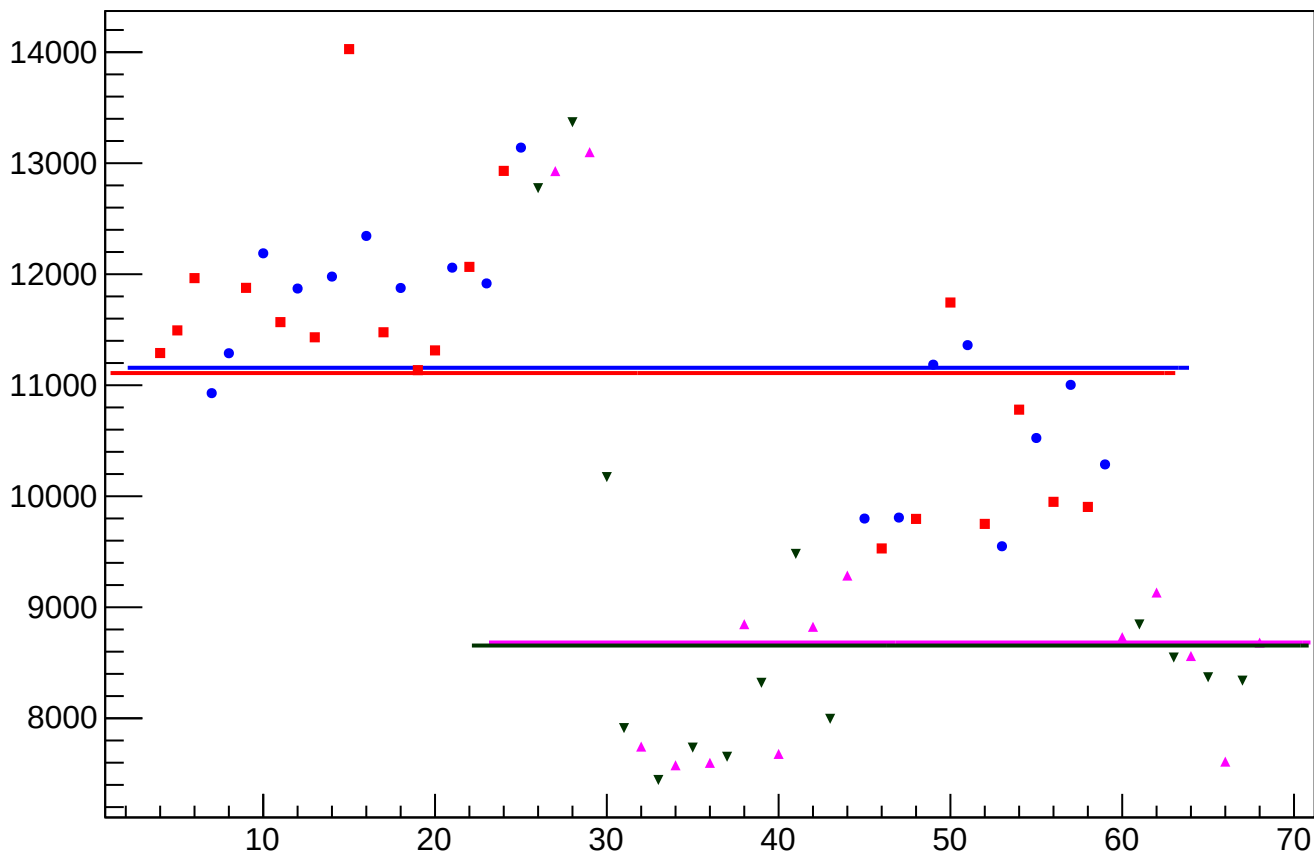
Right Out: -13.392 $\pm$ 3.535 χ^2 /NDF: 28.4/18

Left In: 7.903 $\pm$ 3.073 χ^2 /NDF: 31.7/13

2.475 $\pm$ 2.328 χ^2 /NDF: 175.5/31

-1.263 $\pm$ 2.319 χ^2 /NDF: 80.8/32

diff_bpm0l06X_rms vs slug



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

Left Out: 8655.346 $\pm$ 2.298 χ^2 /NDF:396846.6/13

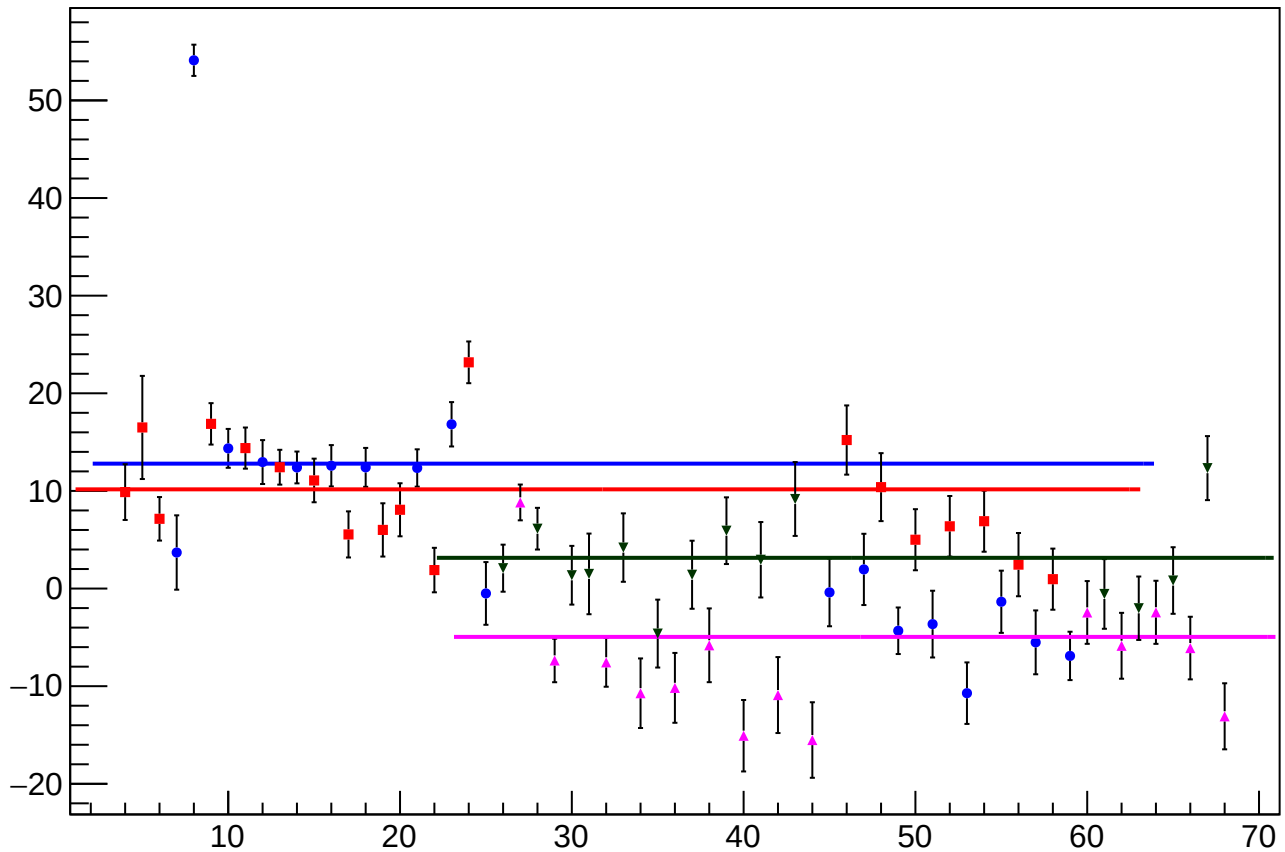
9873.112 $\pm$ 1.646 χ^2 /NDF: 1127735.4/31

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

9727.365 $\pm$ 1.640 χ^2 /NDF: 1223539.9/32

Left In: 8682.635 $\pm$ 2.173 χ^2 /NDF:490102.5/13

diff_bpm0l06Y_mean vs slug



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

Left Out: 3.147 ± 0.851 χ^2/NDF : 23.1/13

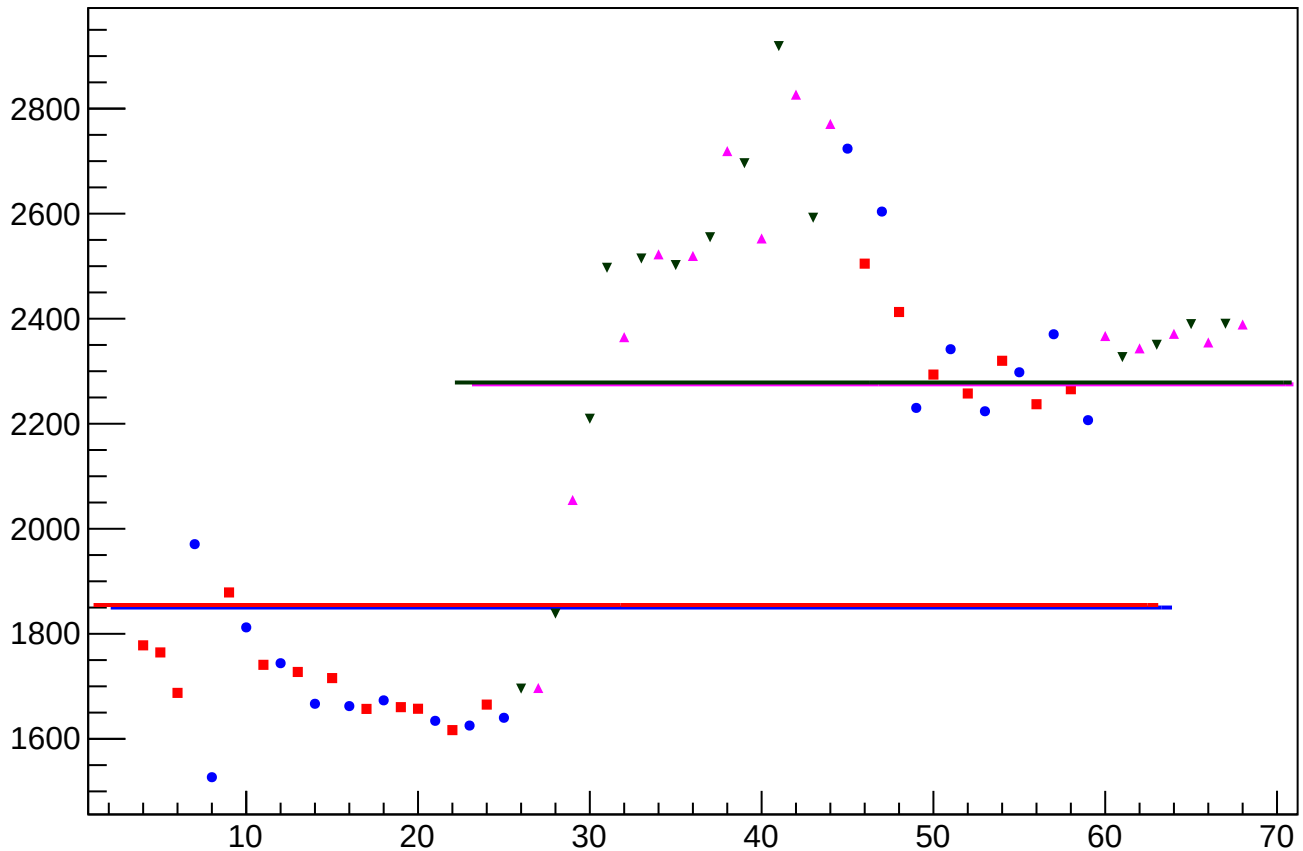
Right Out: 10.162 ± 0.592 χ^2/NDF : 97.7/18

Left In: -4.951 ± 0.801 χ^2/NDF : 88.2/13

9.885 ± 0.467 χ^2/NDF : 1073.9/31

4.819 ± 0.476 χ^2/NDF : 416.0/32

diff_bpm0l06Y_rms vs slug



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

Left Out: 2278.526+/-0.602 χ^2/NDF : 342865.0/13

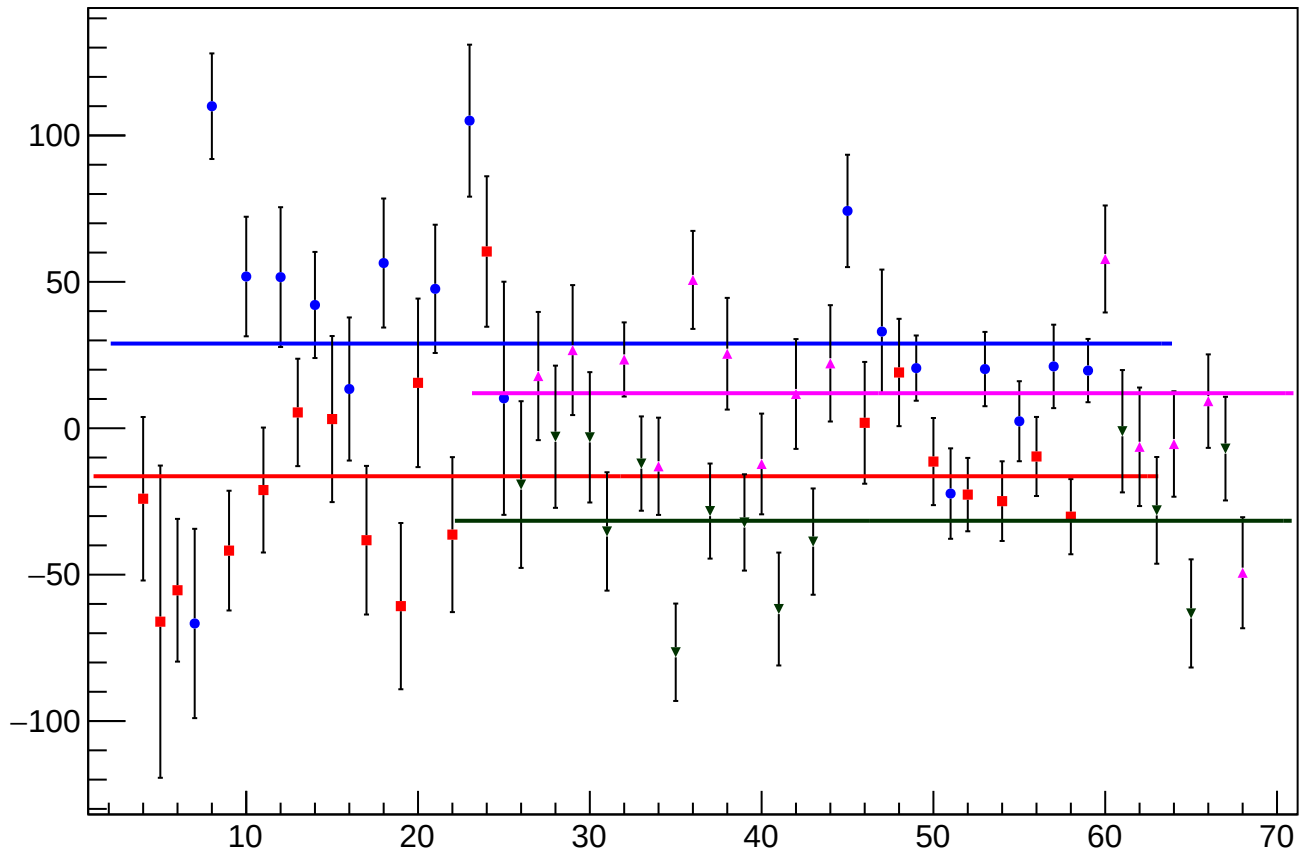
Right Out: 1854.854+/-0.419 χ^2/NDF : 407929.4/18

Left In: 2274.988+/-0.566 χ^2/NDF : 359987.2/13

1979.266+/-0.330 χ^2/NDF : 1360251.1/31

2003.366+/-0.337 χ^2/NDF : 1123602.4/32

diff_bpm0l07X_mean vs slug



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

Left Out: -31.597 ± 5.031 χ^2/NDF : 21.7/13

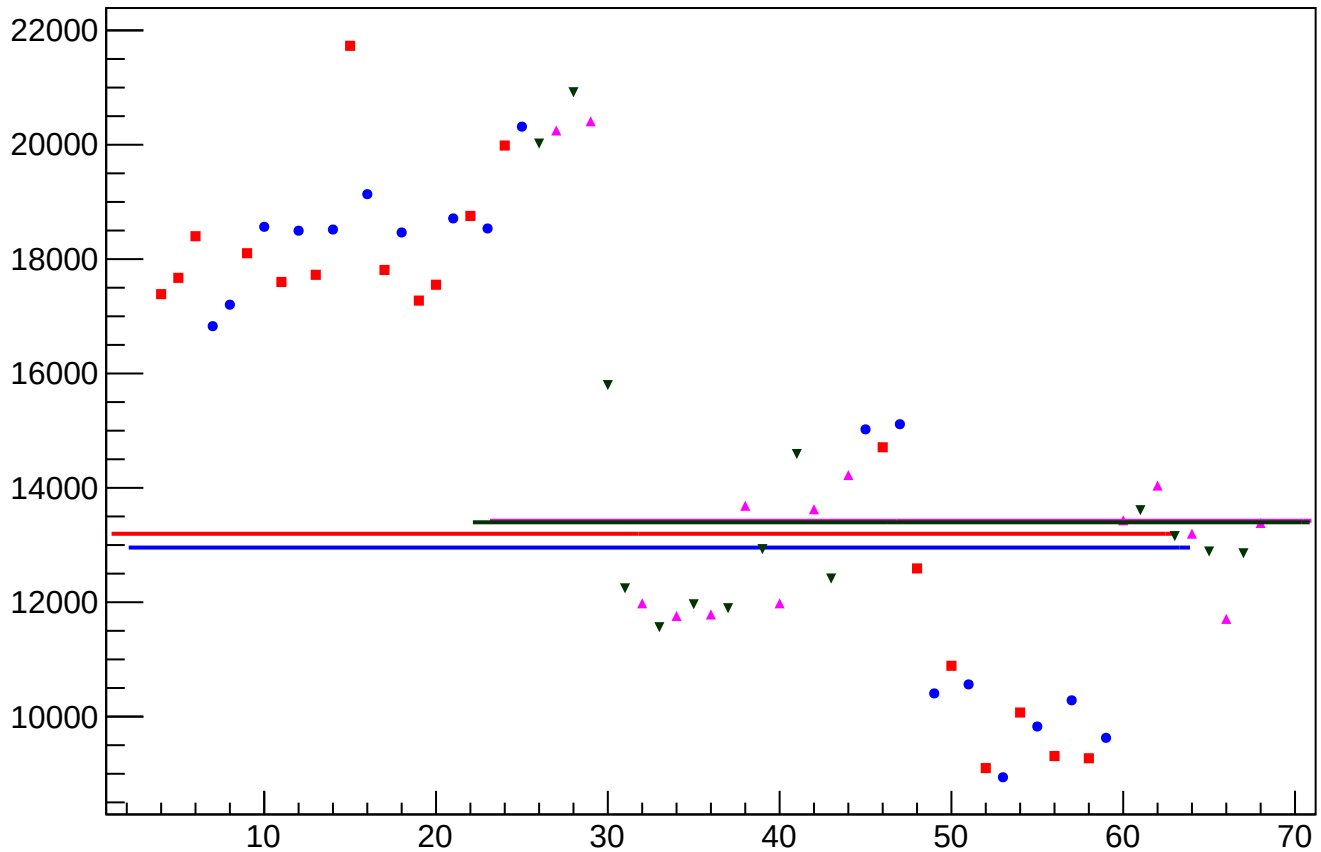
5.232 ± 3.148 χ^2/NDF : 175.4/31

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

-3.372 ± 3.220 χ^2/NDF : 77.0/32

Left In: 11.972 ± 4.752 χ^2/NDF : 30.2/13

diff_bpm0l07X_rms vs slug



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

Left Out: 13397.851 $\pm$ 3.557 χ^2 /NDF: 406875.2/13

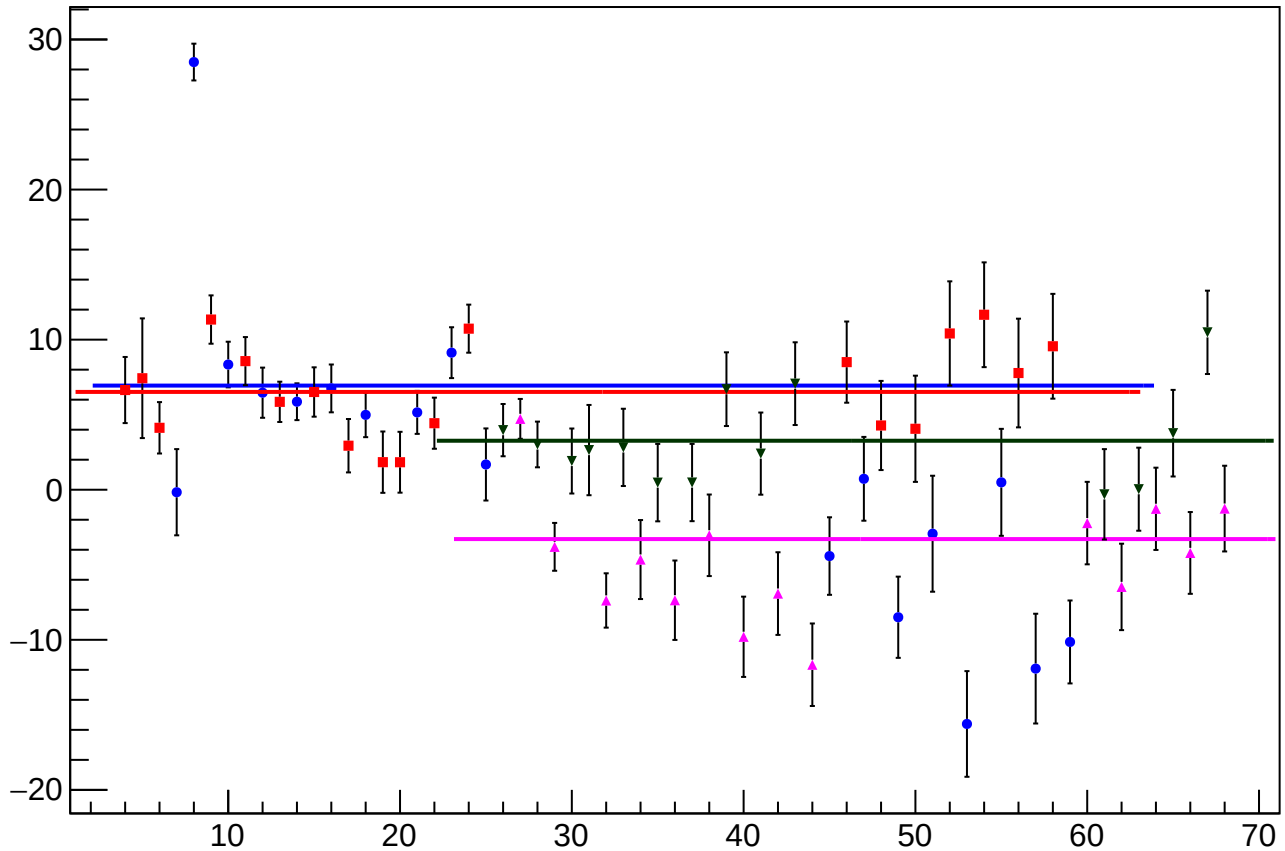
13128.914 $\pm$ 2.226 χ^2 /NDF: 2316901.1/31

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

13301.286 $\pm$ 2.277 χ^2 /NDF: 2271148.5/32

Left In: 13424.004 $\pm$ 3.360 χ^2 /NDF: 500930.9/13

diff_bpm0l07Y_mean vs slug



Right In: 6.939 $\pm$ 0.450 χ^2 /NDF: 499.6/17

Left Out: 3.264 $\pm$ 0.638 χ^2 /NDF:16.5/13

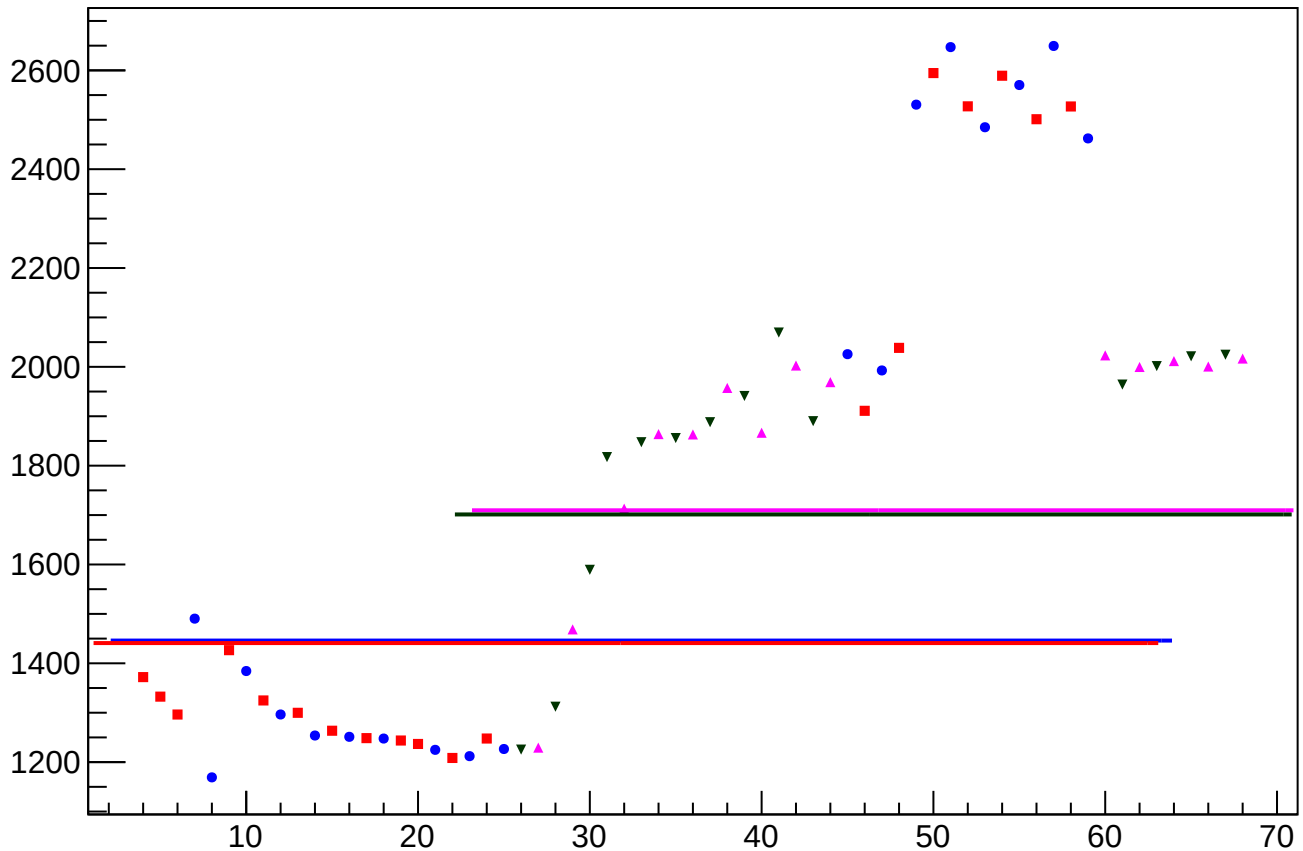
Right Out: 6.517 $\pm$ 0.472 χ^2 /NDF: 41.8/18

Left In: -3.288 $\pm$ 0.605 χ^2 /NDF:63.7/13

5.719 $\pm$ 0.367 χ^2 /NDF: 538.2/31

2.808 $\pm$ 0.372 χ^2 /NDF: 269.1/32

diff_bpm0l07Y_rms vs slug



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

Left Out: 1701.268+/-0.451 χ^2/NDF : 467558.1/13

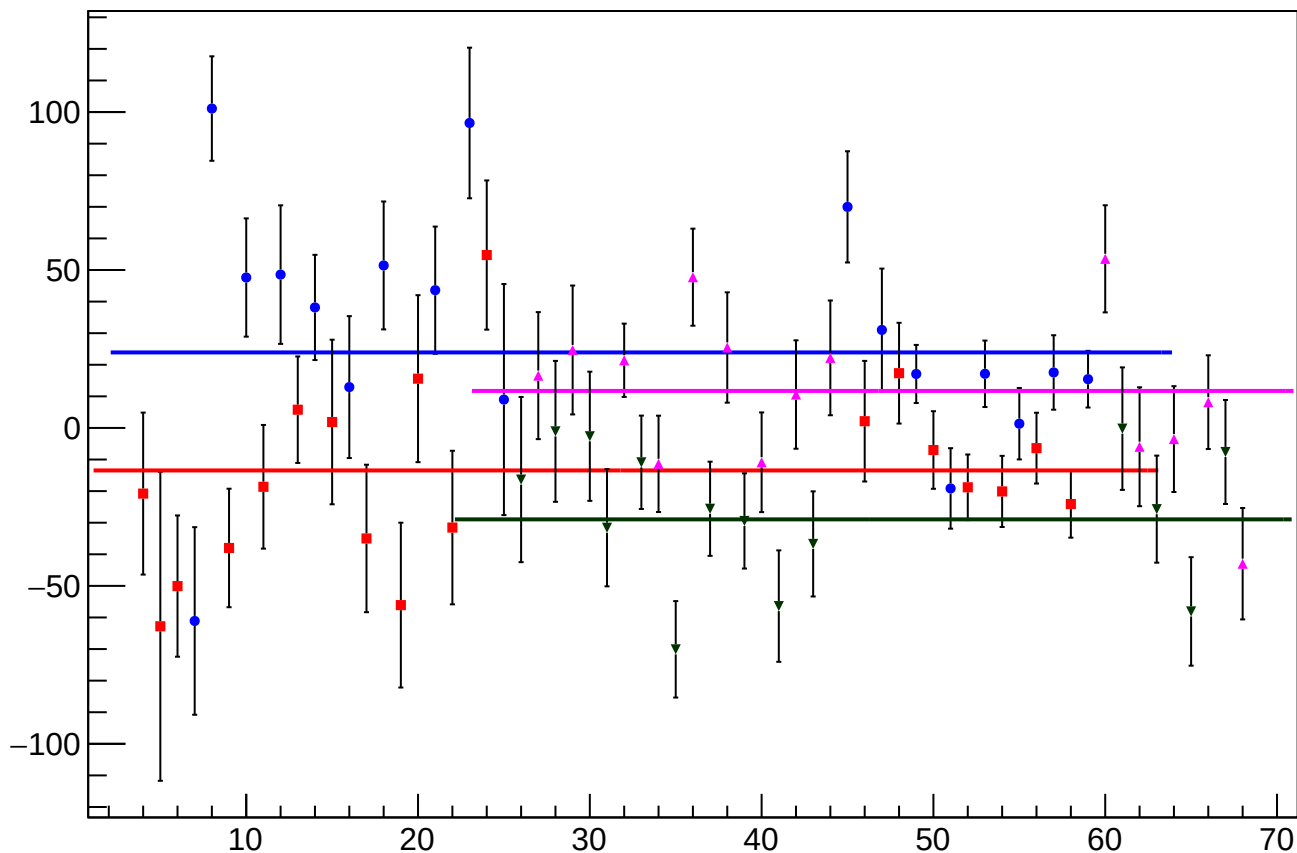
1530.755+/-0.260 χ^2/NDF : 2573036.6/31

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

1542.613+/-0.263 χ^2/NDF : 2080387.7/32

Left In: 1709.657+/-0.427 χ^2/NDF : 501562.2/13

diff_bpm0l08X_mean vs slug



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

Left Out: -28.943 $\pm$ 4.633 χ^2 /NDF:21.7/13

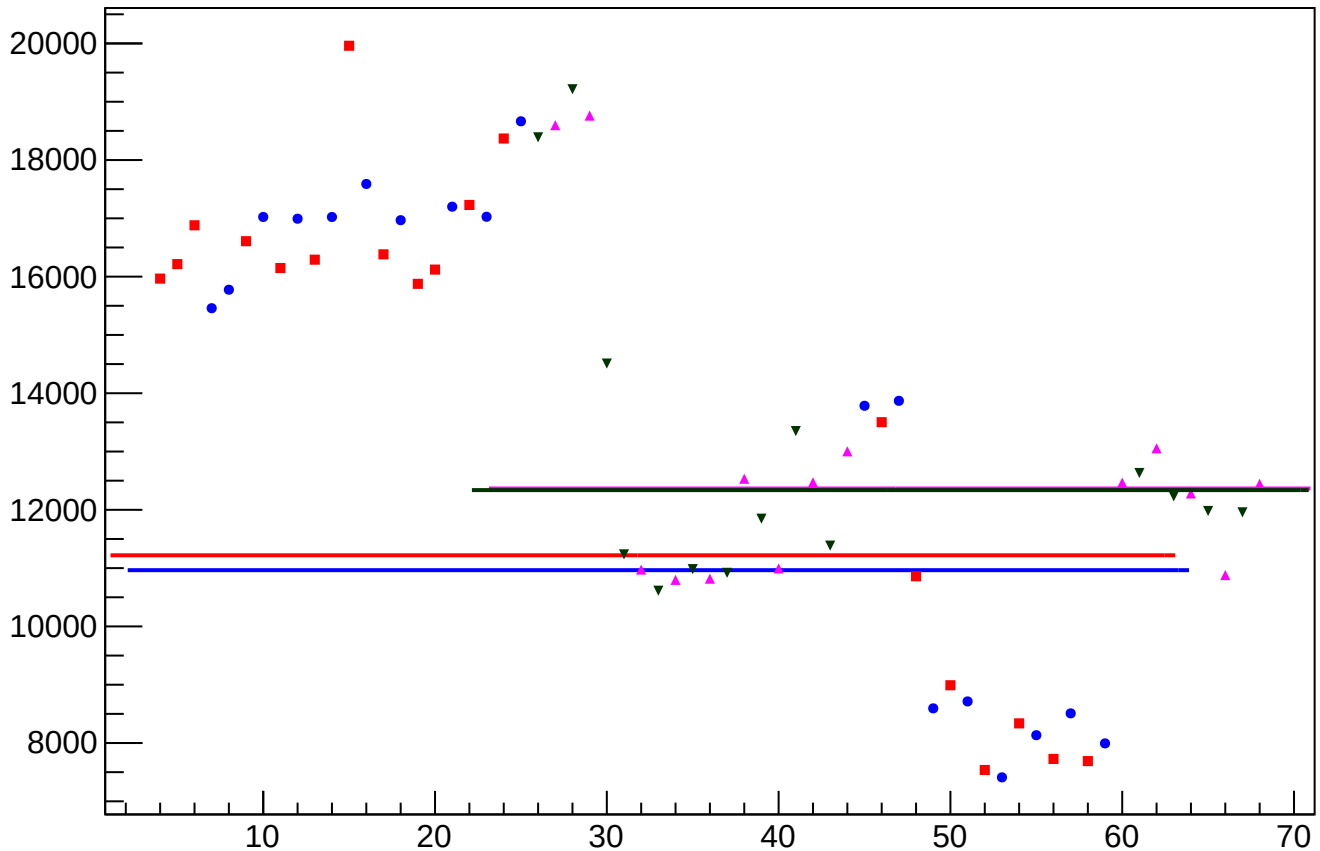
Right Out: -13.450 $\pm$ 3.783 χ^2 /NDF: 27.5/18

Left In: 11.716 $\pm$ 4.377 χ^2 /NDF:29.4/13

4.915 $\pm$ 2.777 χ^2 /NDF: 175.7/31

-2.690 $\pm$ 2.862 χ^2 /NDF: 75.9/32

diff_bpm0l08X_rms vs slug



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

Left Out: 12338.271+/-3.276 χ^2/NDF : 405645.0/13

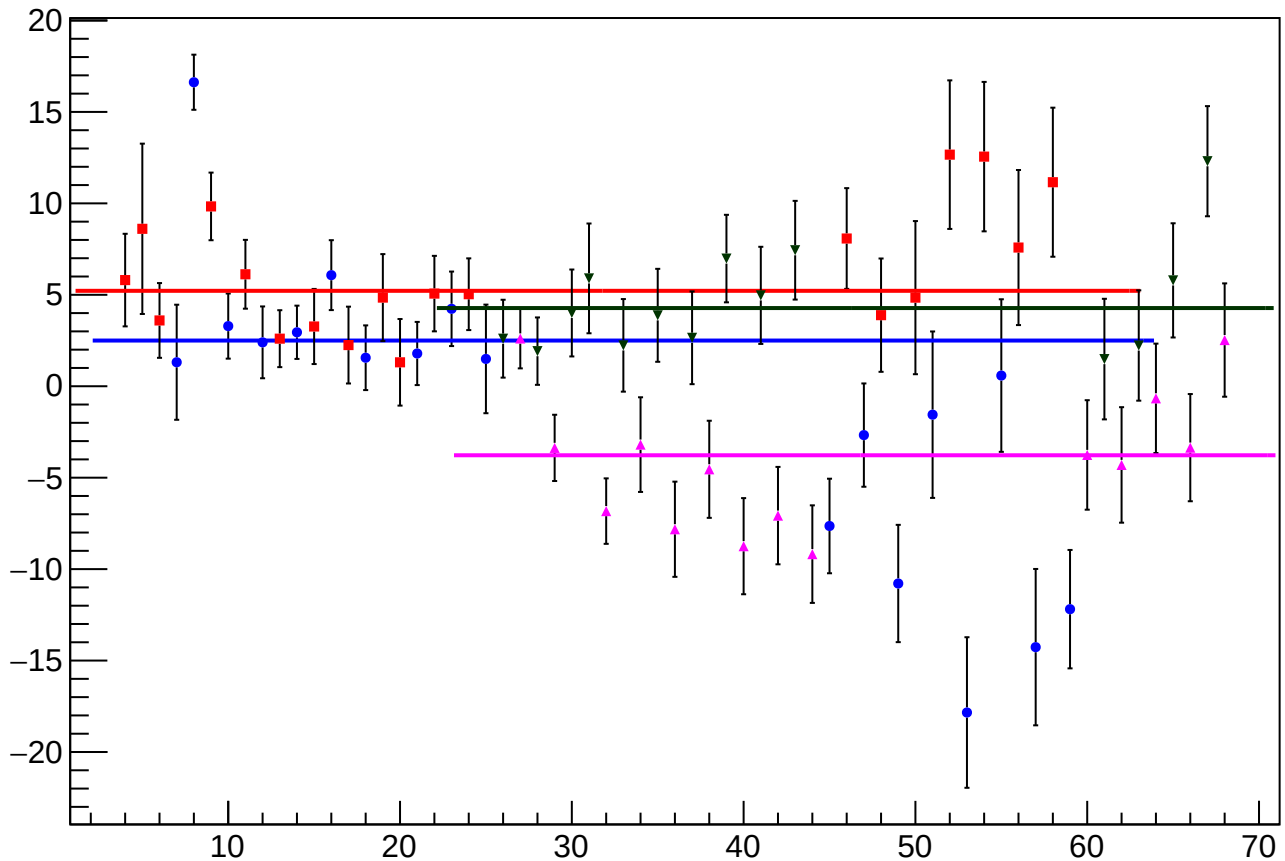
11458.346+/-1.964 χ^2/NDF : 3069100.4/31

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

11709.860+/-2.024 χ^2/NDF : 2921951.1/32

Left In: 12365.722+/-3.095 χ^2/NDF : 499563.1/13

diff_bpm0l08Y_mean vs slug



Right In: 2.499 $\pm$ 0.530 χ^2/NDF : 190.3/17

Left Out: 4.275 $\pm$ 0.684 χ^2/NDF : 14.9/13

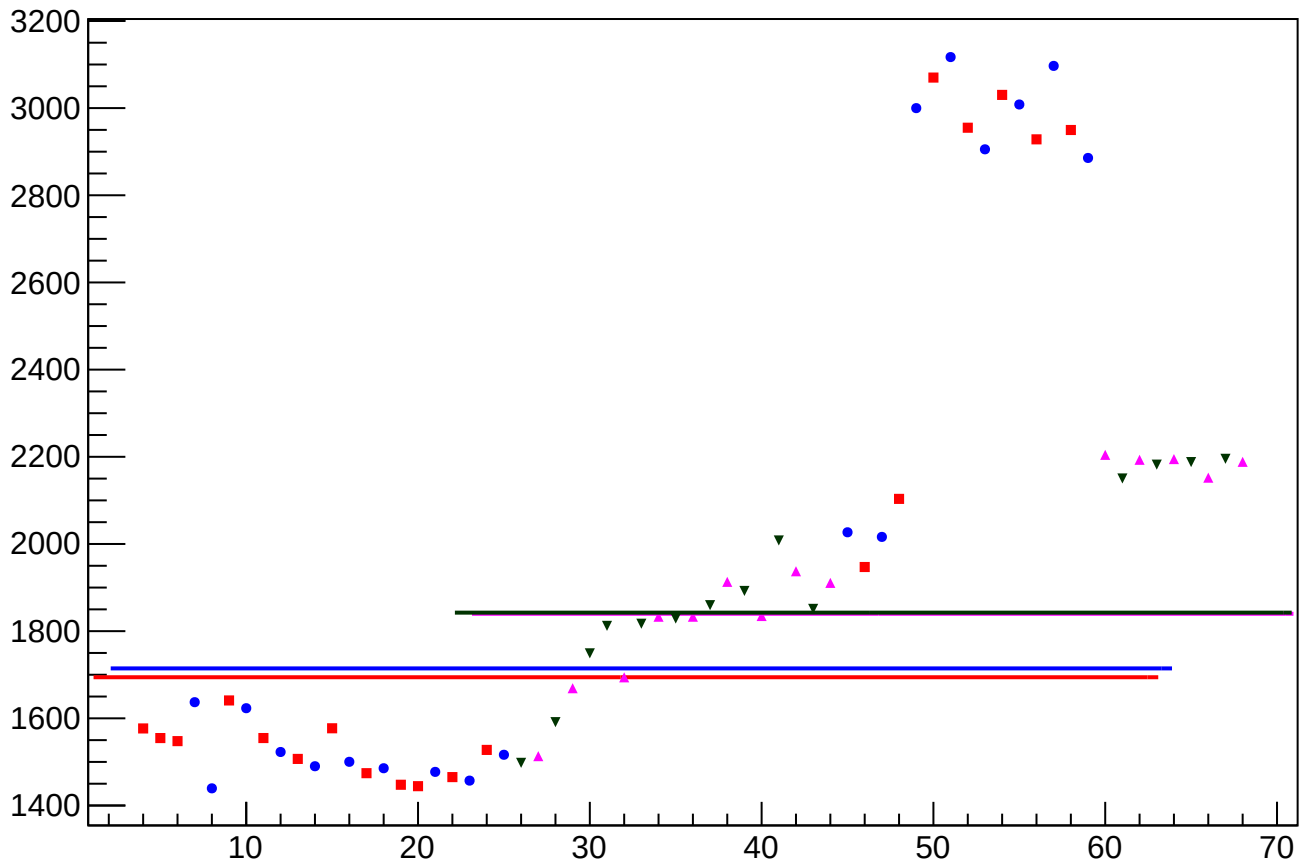
Right Out: 5.218 $\pm$ 0.553 χ^2/NDF : 26.5/18

Left In: -3.774 $\pm$ 0.645 χ^2/NDF : 35.3/13

3.166 $\pm$ 0.419 χ^2/NDF : 209.4/31

1.413 $\pm$ 0.420 χ^2/NDF : 173.7/32

diff_bpm0l08Y_rms vs slug



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

Left Out: 1842.487+/-0.484 χ^2/NDF : 196592.3/13

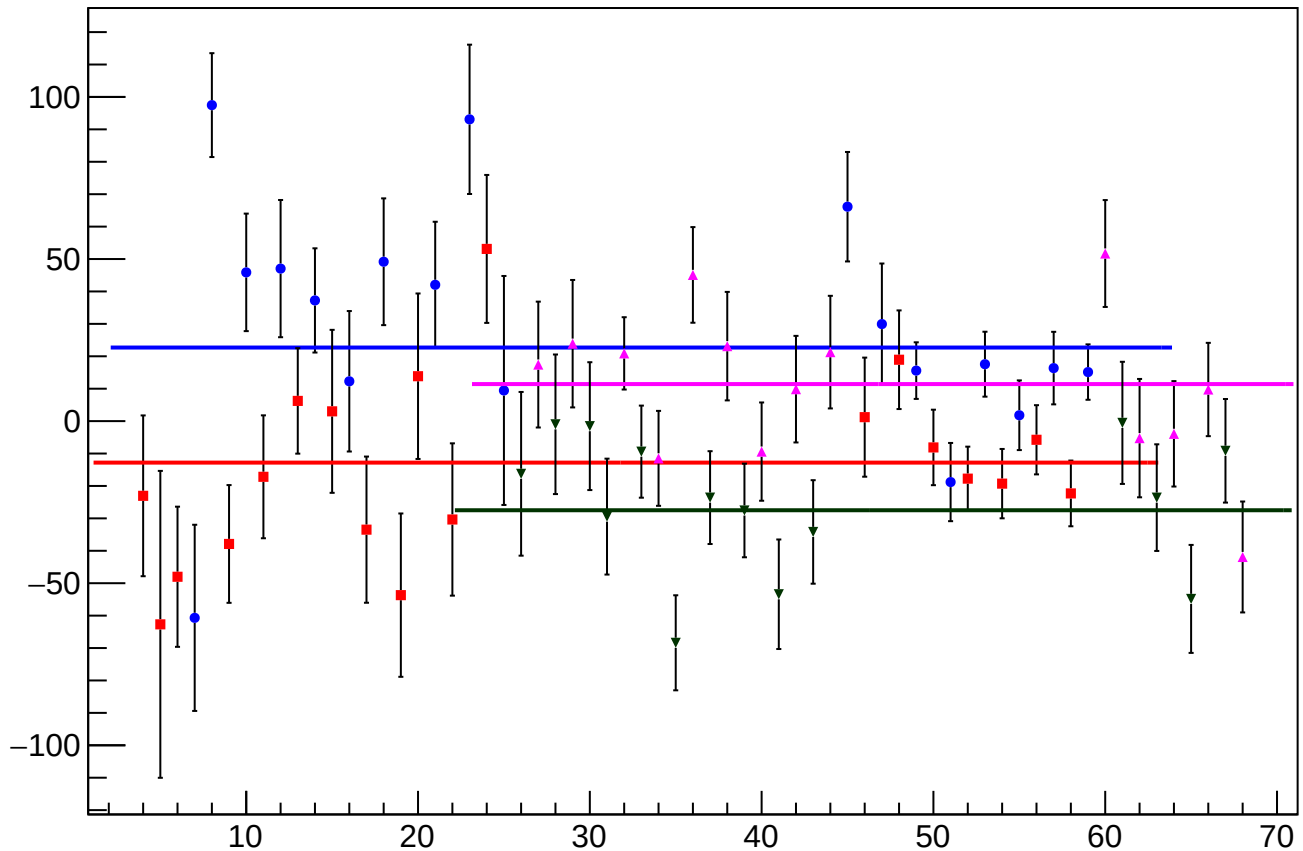
Right Out: 1694.263+/-0.391 χ^2/NDF : 1202765.8/18

Left In: 1839.864+/-0.456 χ^2/NDF : 247512.8/13

1762.576+/-0.296 χ^2/NDF : 1911067.7/31

1755.875+/-0.297 χ^2/NDF : 1508993.0/32

diff_bpm0l09X_mean vs slug



Right In: 22.698 $\pm$ 3.315 χ^2 /NDF: 70.9/17

Left Out: -27.494 $\pm$ 4.464 χ^2 /NDF:21.6/13

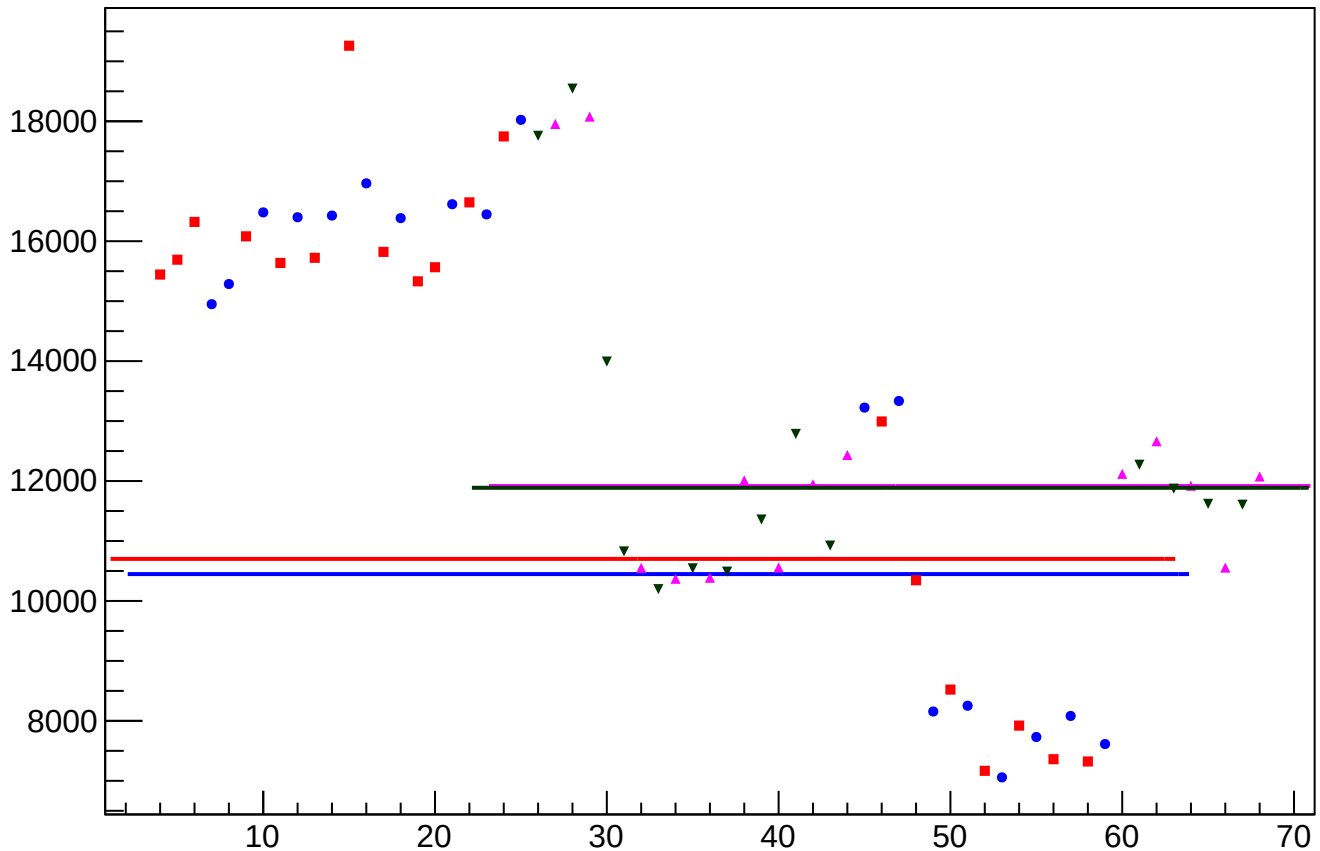
Right Out: -12.799 $\pm$ 3.618 χ^2 /NDF: 28.2/18

Left In: 11.427 $\pm$ 4.219 χ^2 /NDF:29.0/13

4.860 $\pm$ 2.661 χ^2 /NDF: 174.0/31

-2.532 $\pm$ 2.746 χ^2 /NDF: 76.2/32

diff_bpm0l09X_rms vs slug



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

Left Out: 11887.443+/-3.157 χ^2/NDF : 411000.7/13

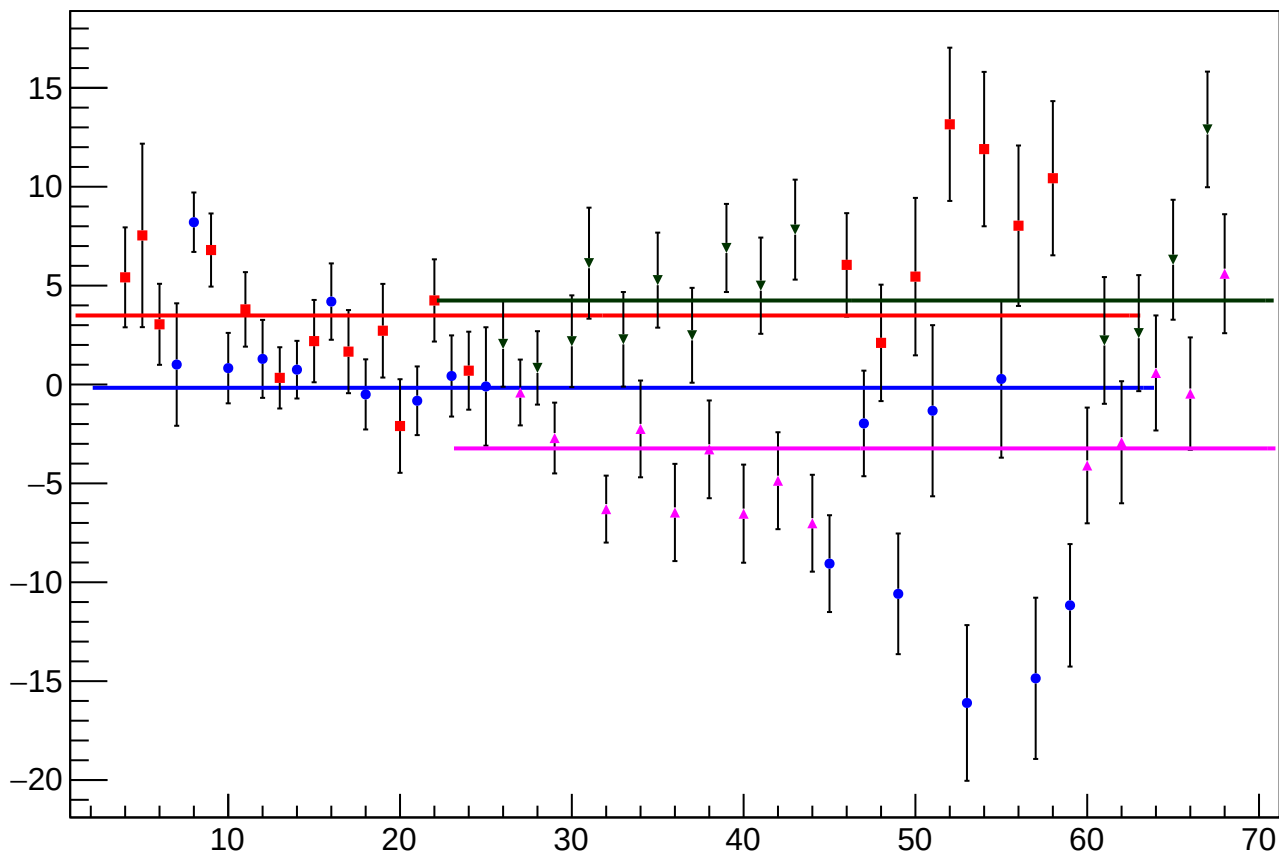
10959.675+/-1.882 χ^2/NDF : 3199653.8/31

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

11216.517+/-1.942 χ^2/NDF : 3037429.8/32

Left In: 11916.753+/-2.983 χ^2/NDF : 503306.5/13

diff_bpm0l09Y_mean vs slug



Right In: -0.167 ± 0.526 $\chi^2/\text{NDF}: 105.2/17$

Left Out: 4.247 ± 0.659 $\chi^2/\text{NDF}: 20.5/13$

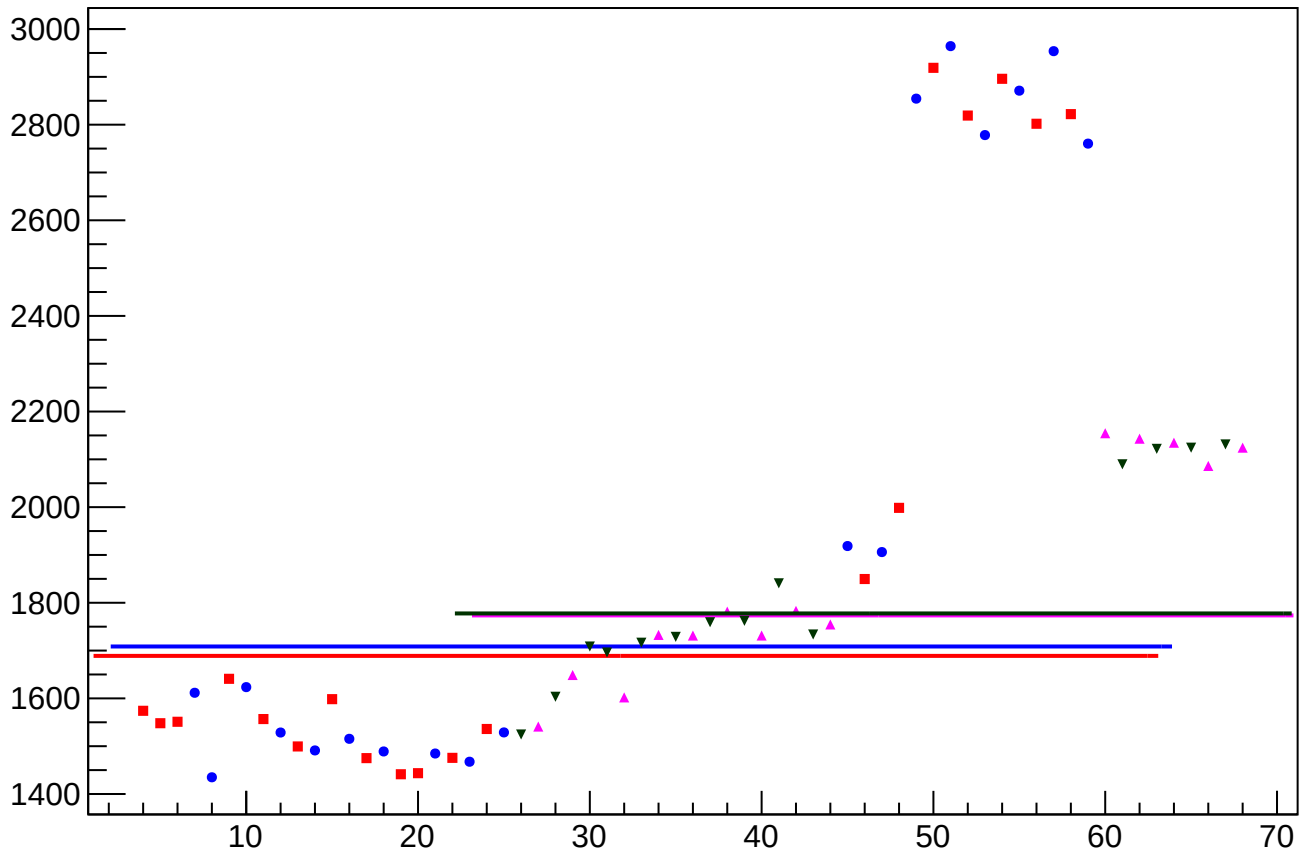
Right Out: 3.490 ± 0.549 $\chi^2/\text{NDF}: 34.4/18$

Left In: -3.232 ± 0.622 $\chi^2/\text{NDF}: 24.1/13$

1.550 ± 0.411 $\chi^2/\text{NDF}: 153.1/31$

0.544 ± 0.411 $\chi^2/\text{NDF}: 124.3/32$

diff_bpm0l09Y_rms vs slug



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

Left Out: 1777.669+/-0.466 χ^2/NDF :154617.6/13

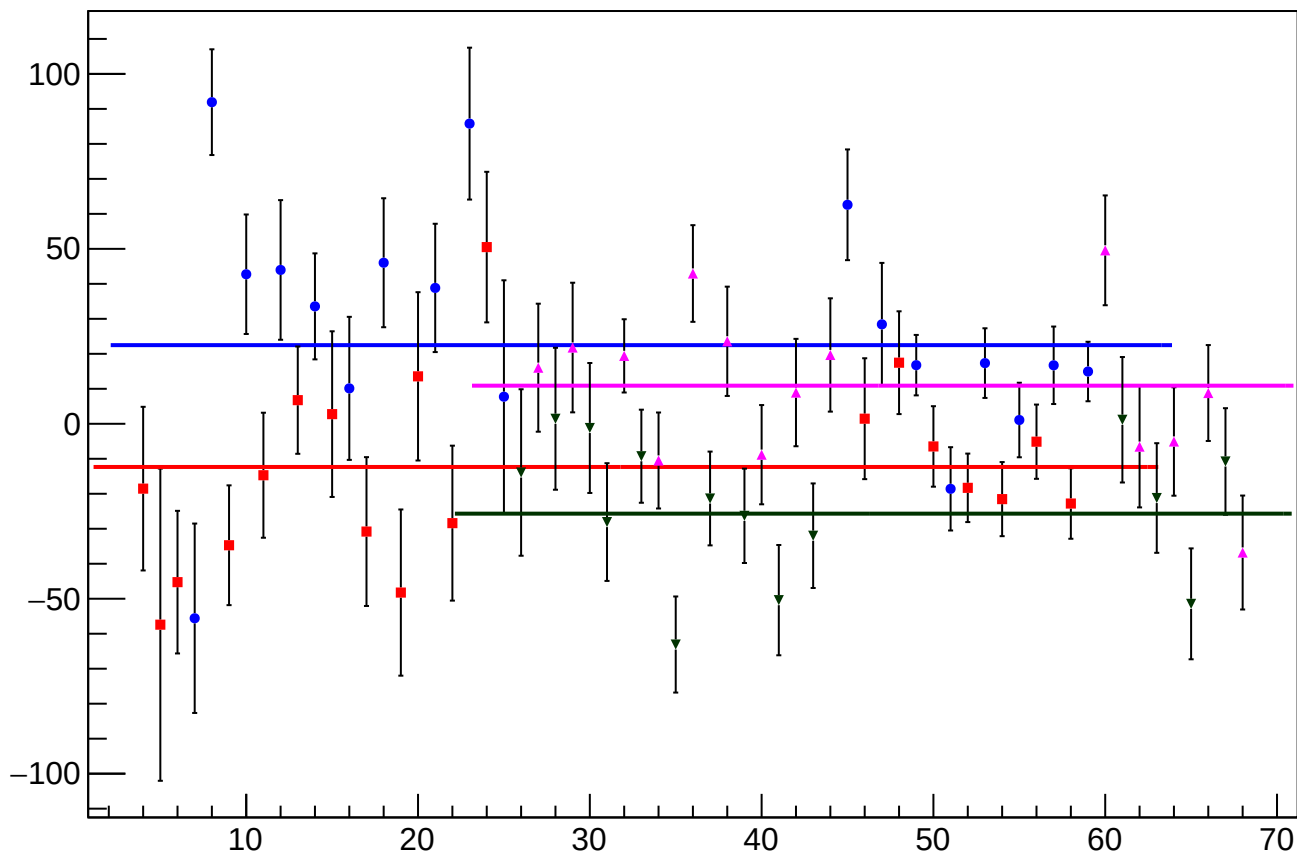
1735.450+/-0.291 χ^2/NDF : 1632658.1/31

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

1725.992+/-0.291 χ^2/NDF : 1295528.8/32

Left In: 1773.541+/-0.439 χ^2/NDF :216059.8/13

diff_bpm0l10X_mean vs slug



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

Left Out: -25.683 ± 4.202 $\chi^2/\text{NDF}: 21.4/13$

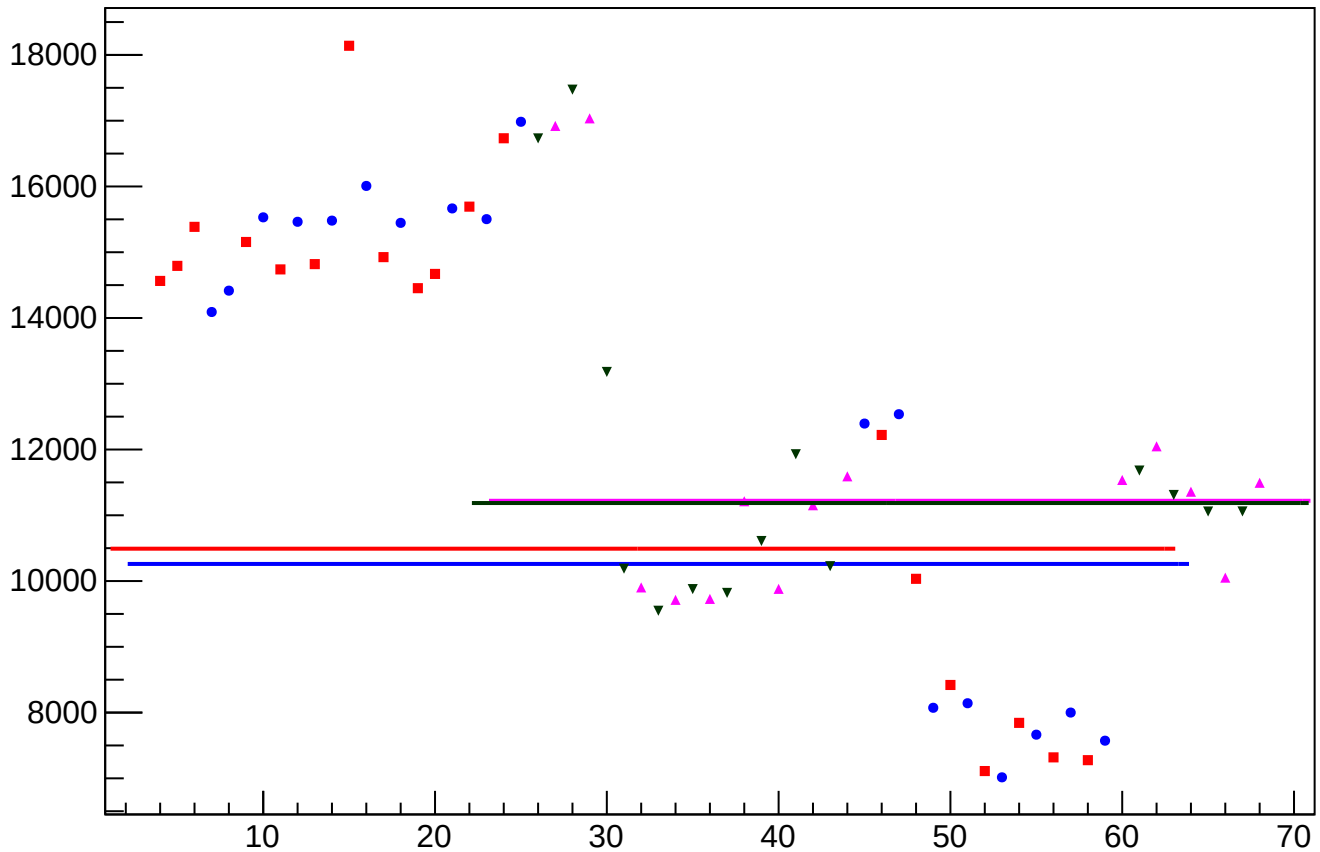
Right Out: -12.340 ± 3.516 $\chi^2/\text{NDF}: 28.3/18$

Left In: 10.895 ± 3.973 $\chi^2/\text{NDF}: 28.5/13$

4.606 ± 2.560 $\chi^2/\text{NDF}: 172.3/31$

-2.134 ± 2.633 $\chi^2/\text{NDF}: 76.0/32$

diff_bpm0l10X_rms vs slug



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

Left Out: 11186.390 $\pm$ 2.971 χ^2 /NDF: 418337.2/13

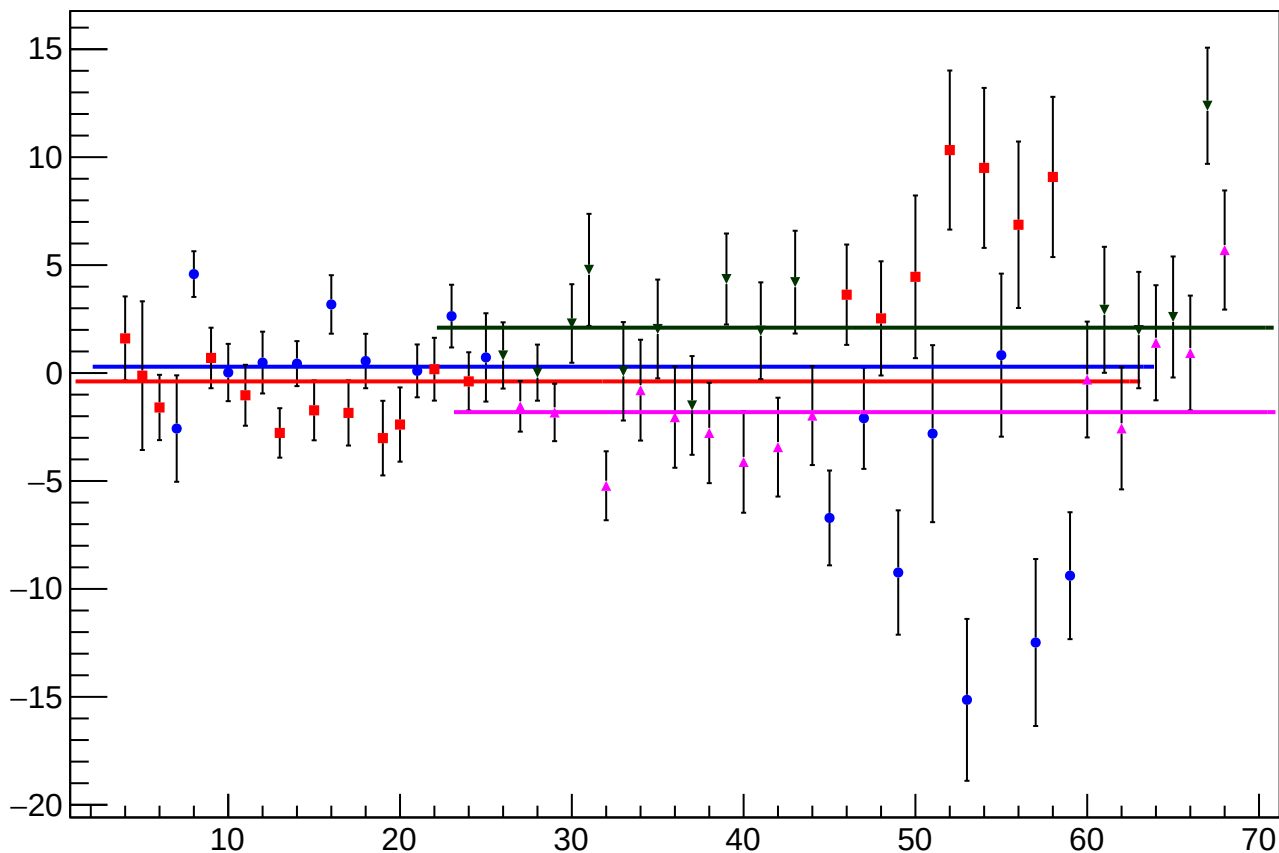
10603.882 $\pm$ 1.810 χ^2 /NDF: 2799451.7/31

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

10812.042 $\pm$ 1.862 χ^2 /NDF: 2686470.0/32

Left In: 11220.482 $\pm$ 2.809 χ^2 /NDF: 509910.2/13

diff_bpm0l10Y_mean vs slug



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

Left Out: 2.102 ± 0.562 χ^2/NDF : 24.3/13

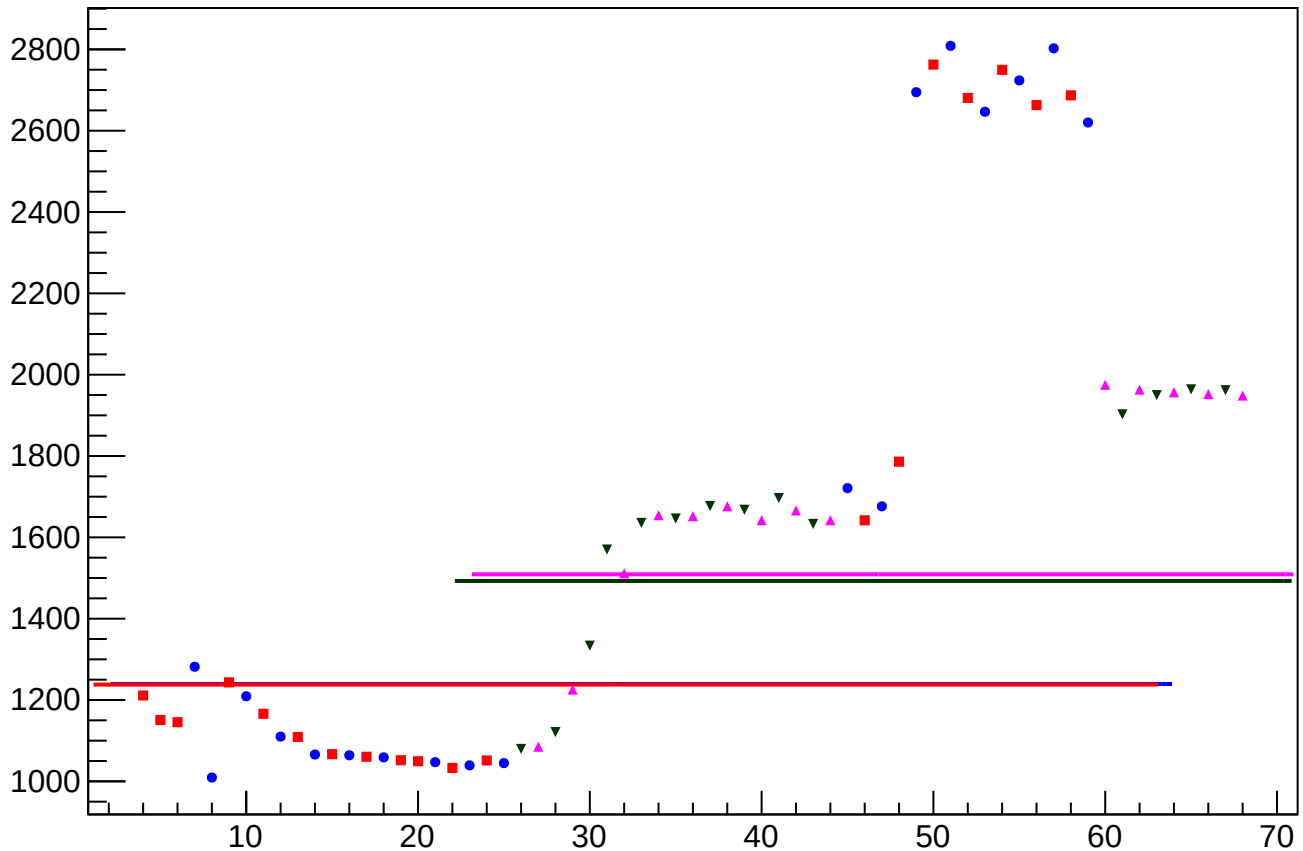
Right Out: -0.388 ± 0.412 χ^2/NDF : 44.0/18

Left In: -1.810 ± 0.536 χ^2/NDF : 16.8/13

0.887 ± 0.322 χ^2/NDF : 117.8/31

-0.915 ± 0.327 χ^2/NDF : 65.2/32

diff_bpm0l10Y_rms vs slug



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

Left Out: 1492.794+/-0.398 χ^2/NDF : 607277.8/13

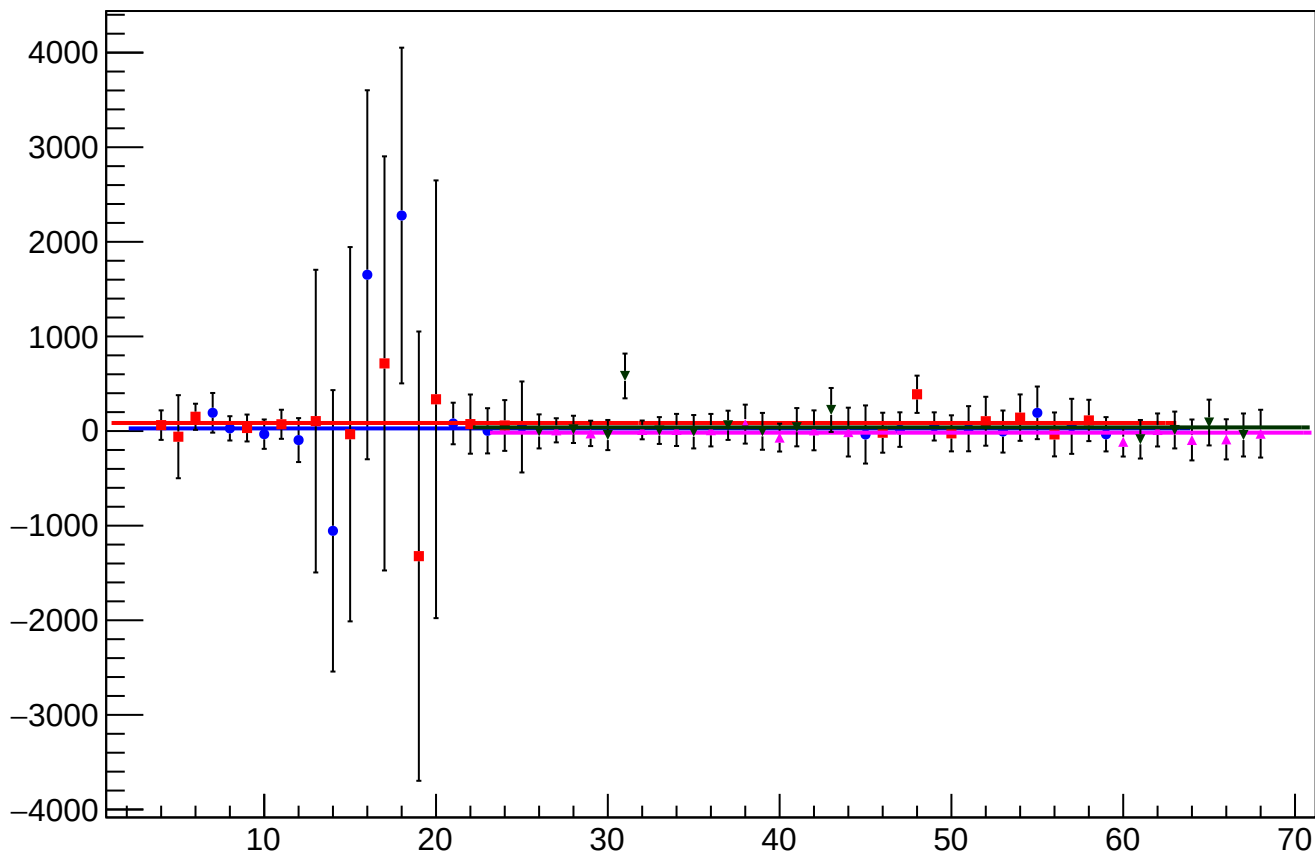
Right Out: 1237.907+/-0.291 χ^2/NDF : 1914347.8/18

Left In: 1509.086+/-0.379 χ^2/NDF : 675476.5/13

1322.457+/-0.228 χ^2/NDF : 3556155.3/31

1338.470+/-0.231 χ^2/NDF : 2911391.5/32

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: 38.571 $\pm$ 49.007 χ^2 /NDF: 7.0/13

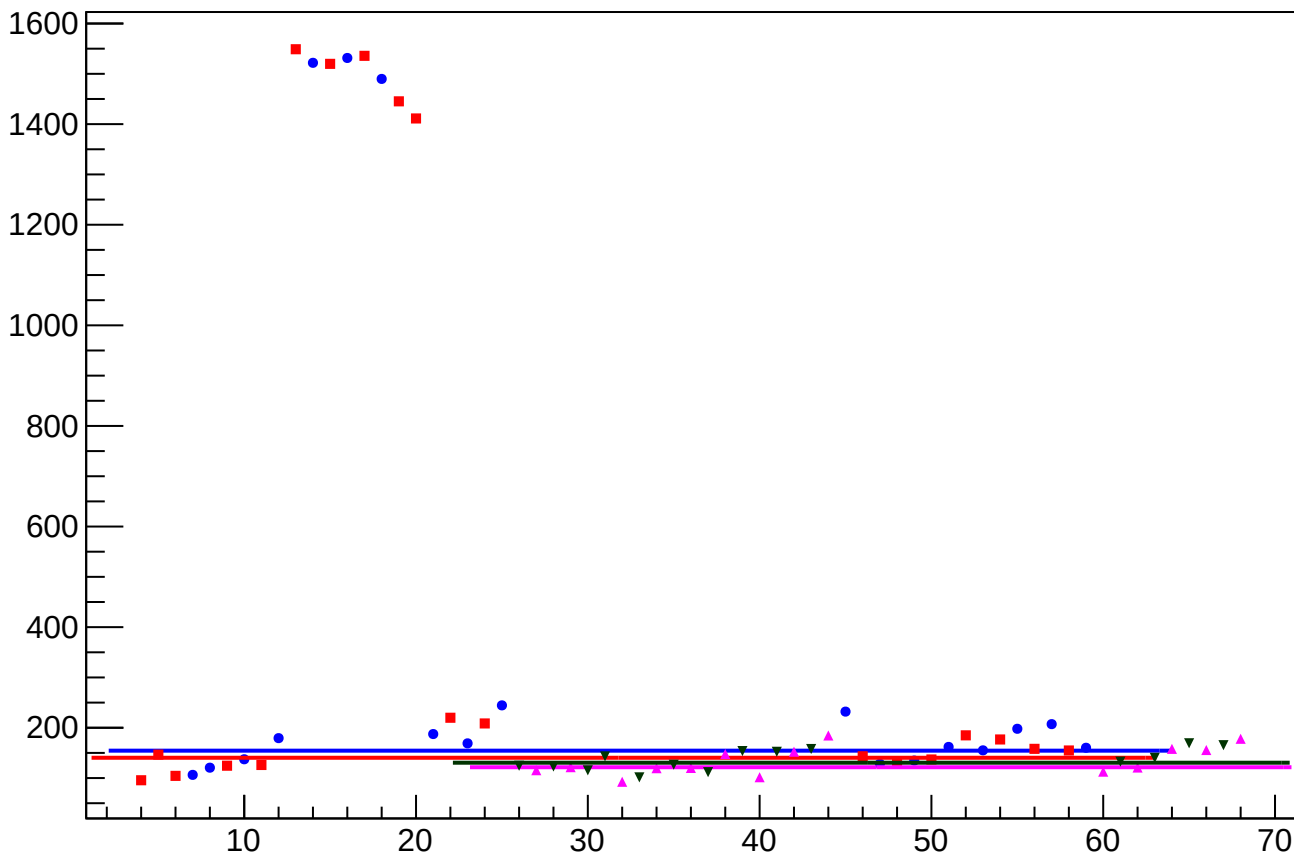
Right Out: 85.325 $\pm$ 52.506 χ^2 /NDF: 4.3/18

Left In: -17.188 $\pm$ 43.551 χ^2 /NDF: 1.2/13

33.569 $\pm$ 35.760 χ^2 /NDF: 11.5/31

24.595 $\pm$ 33.521 χ^2 /NDF: 7.7/32

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: 130.516 $\pm$ 0.035 χ^2 /NDF: 328594.9/13

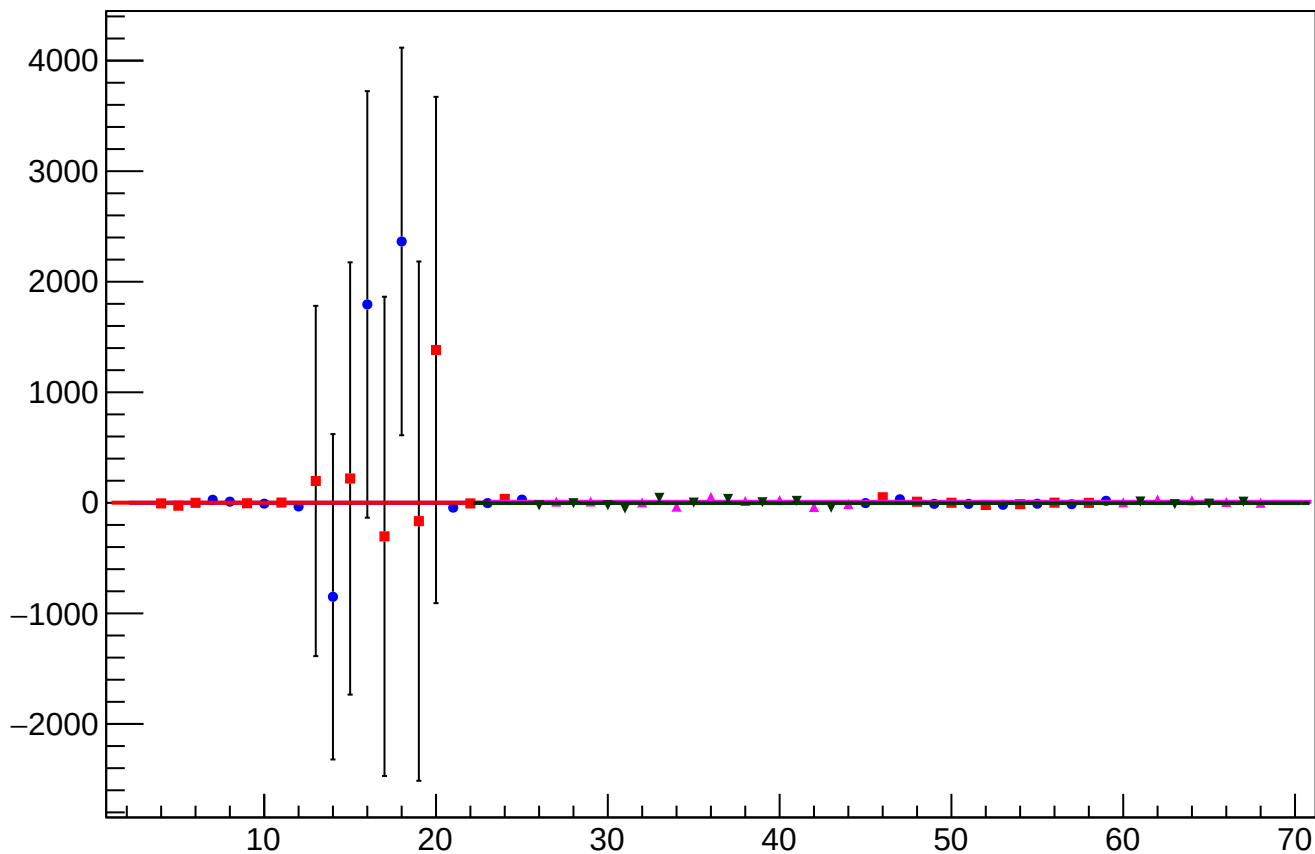
141.707 $\pm$ 0.025 χ^2 /NDF: 5108412.6/31

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

129.188 $\pm$ 0.024 χ^2 /NDF: 6047599.7/32

Left In: 121.511 $\pm$ 0.031 χ^2 /NDF: 621089.8/13

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs slug



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

Left Out: -1.783+/-6.024 χ^2/NDF : 15.7/13

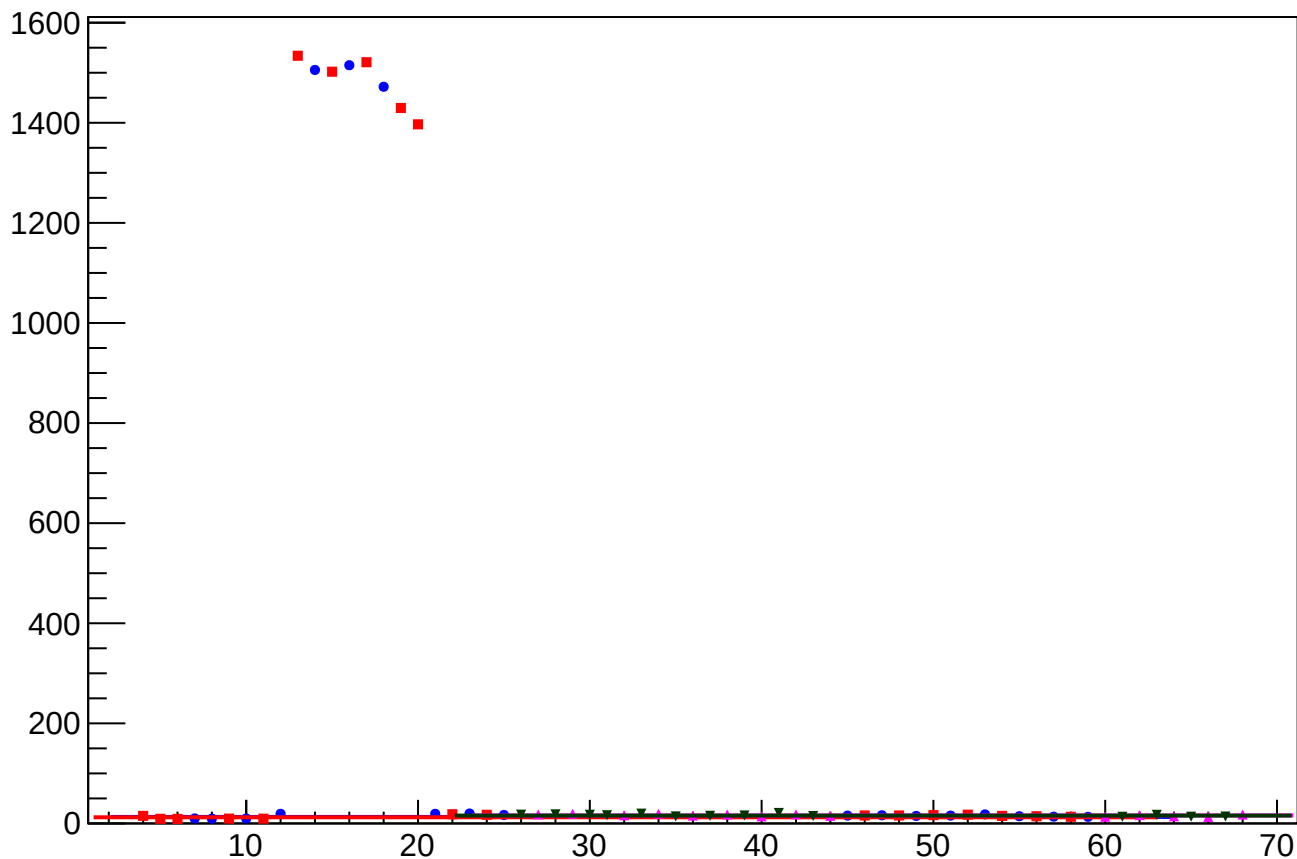
Right Out: 1.382+/-4.789 χ^2/NDF : 9.5/18

Left In: 9.601+/-5.797 χ^2/NDF : 12.0/13

-0.293+/-3.663 χ^2/NDF : 32.4/31

4.716+/-3.692 χ^2/NDF : 22.6/32

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs slug



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

Left Out: 15.757 $\pm$ 0.004 χ^2 /NDF: 242402.9/13

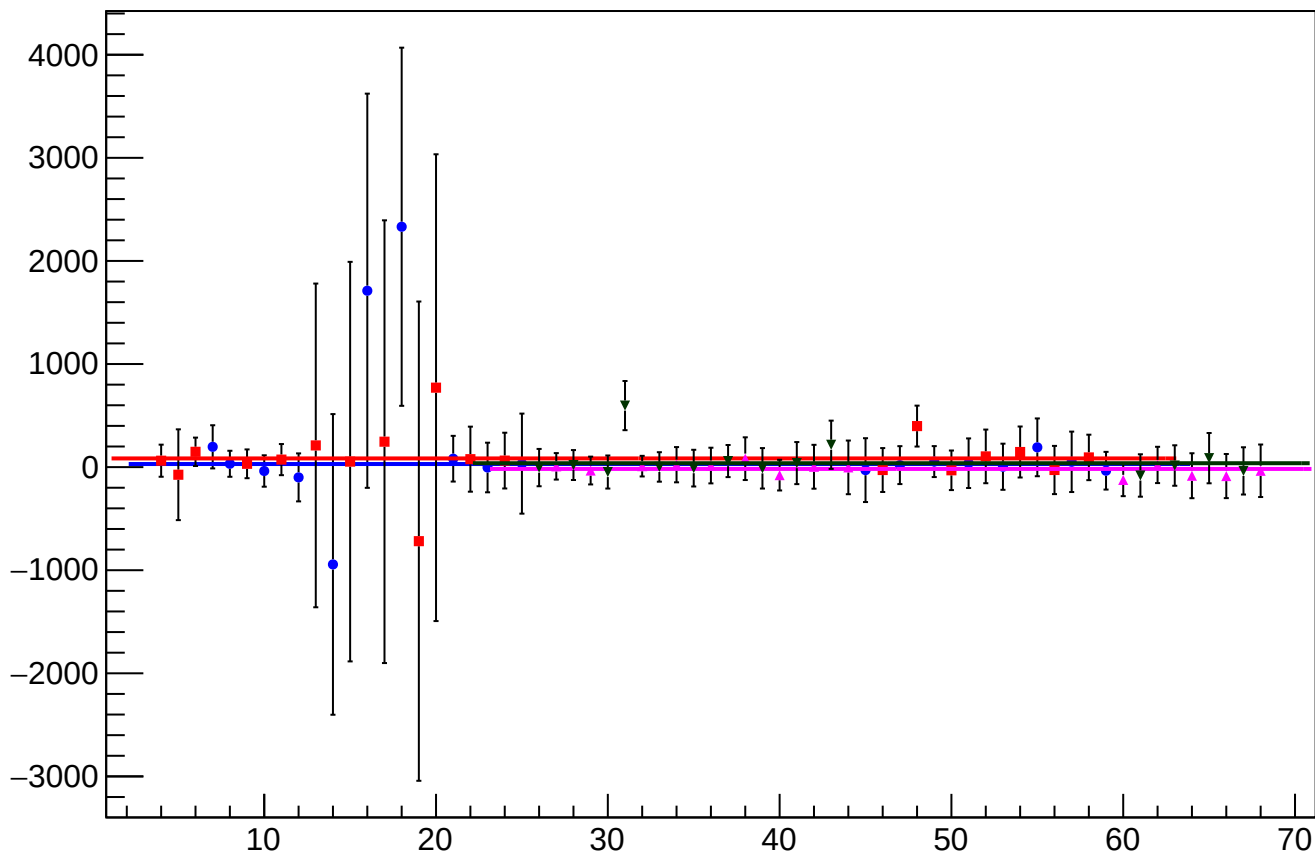
Right Out: 12.312 $\pm$ 0.003 χ^2 /NDF: 6373010.7/18

Left In: 16.019 $\pm$ 0.004 χ^2 /NDF: 256914.0/13

14.028 $\pm$ 0.003 χ^2 /NDF: 6199661.5/31

13.816 $\pm$ 0.003 χ^2 /NDF: 7115918.0/32

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs slug



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

Left Out: 37.839+/-49.395 χ^2/NDF : 7.1/13

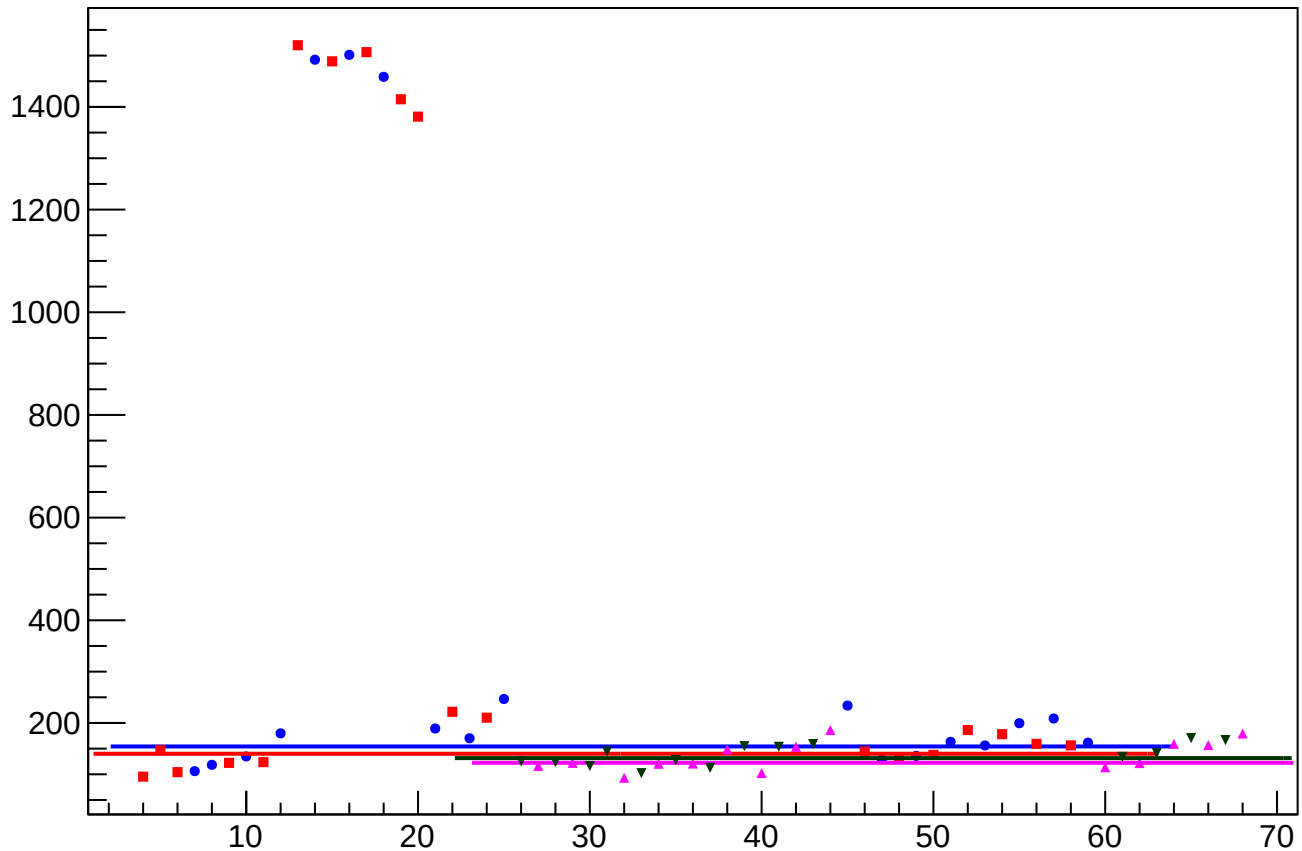
Right Out: 84.316+/-52.424 χ^2/NDF : 4.2/18

Left In: -17.647+/-43.880 χ^2/NDF : 1.3/13

34.146+/-35.900 χ^2/NDF : 11.9/31

24.358+/-33.648 χ^2/NDF : 7.7/32

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: 131.544+/-0.035 χ^2/NDF : 329213.3/13

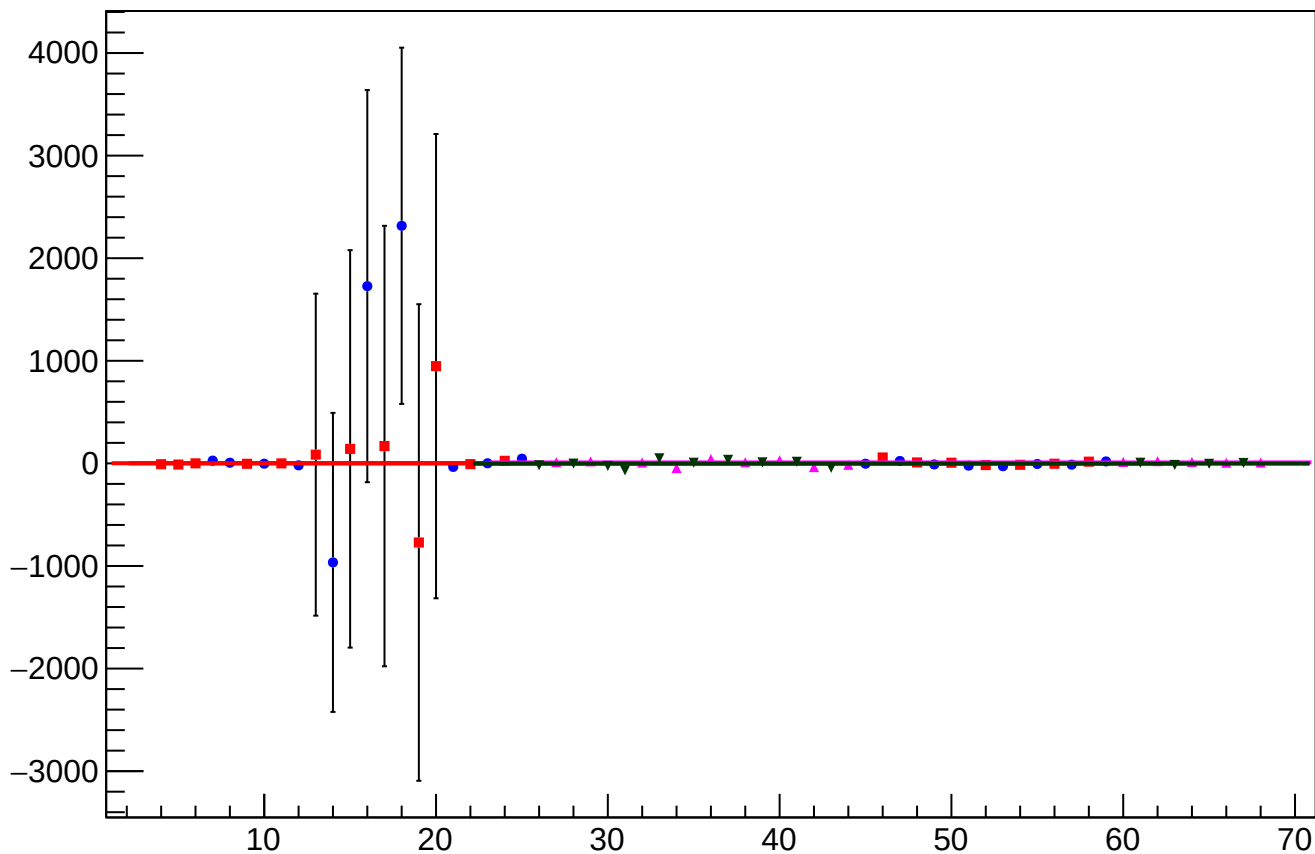
Right Out: 140.050+/-0.037 χ^2/NDF : 5289912.8/18

Left In: 122.416+/-0.031 χ^2/NDF : 622748.7/13

142.249+/-0.025 χ^2/NDF : 5113178.7/31

129.681+/-0.024 χ^2/NDF : 6045726.5/32

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs slug



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

Left Out: -2.463 $\pm$ 5.878 χ^2 /NDF:18.8/13

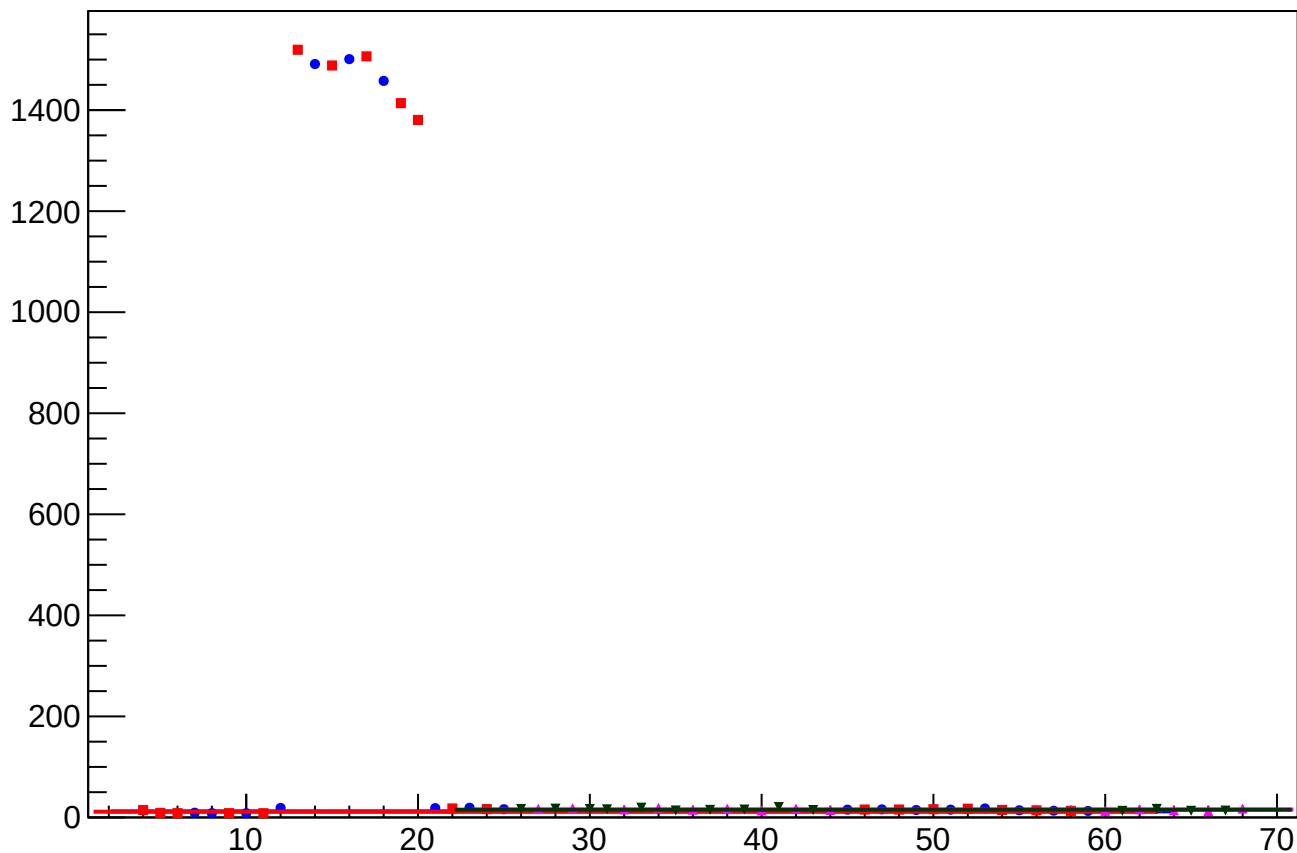
Right Out: 1.782 $\pm$ 4.470 χ^2 /NDF: 10.1/18

Left In: 9.528 $\pm$ 5.660 χ^2 /NDF:11.8/13

-0.439 $\pm$ 3.479 χ^2 /NDF: 34.9/31

4.757 $\pm$ 3.508 χ^2 /NDF: 23.1/32

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs slug



Right In: 12.013 $\pm$ 0.003 χ^2 /NDF: 6061463.6/17

Left Out: 15.357 $\pm$ 0.004 χ^2 /NDF: 234094.3/13

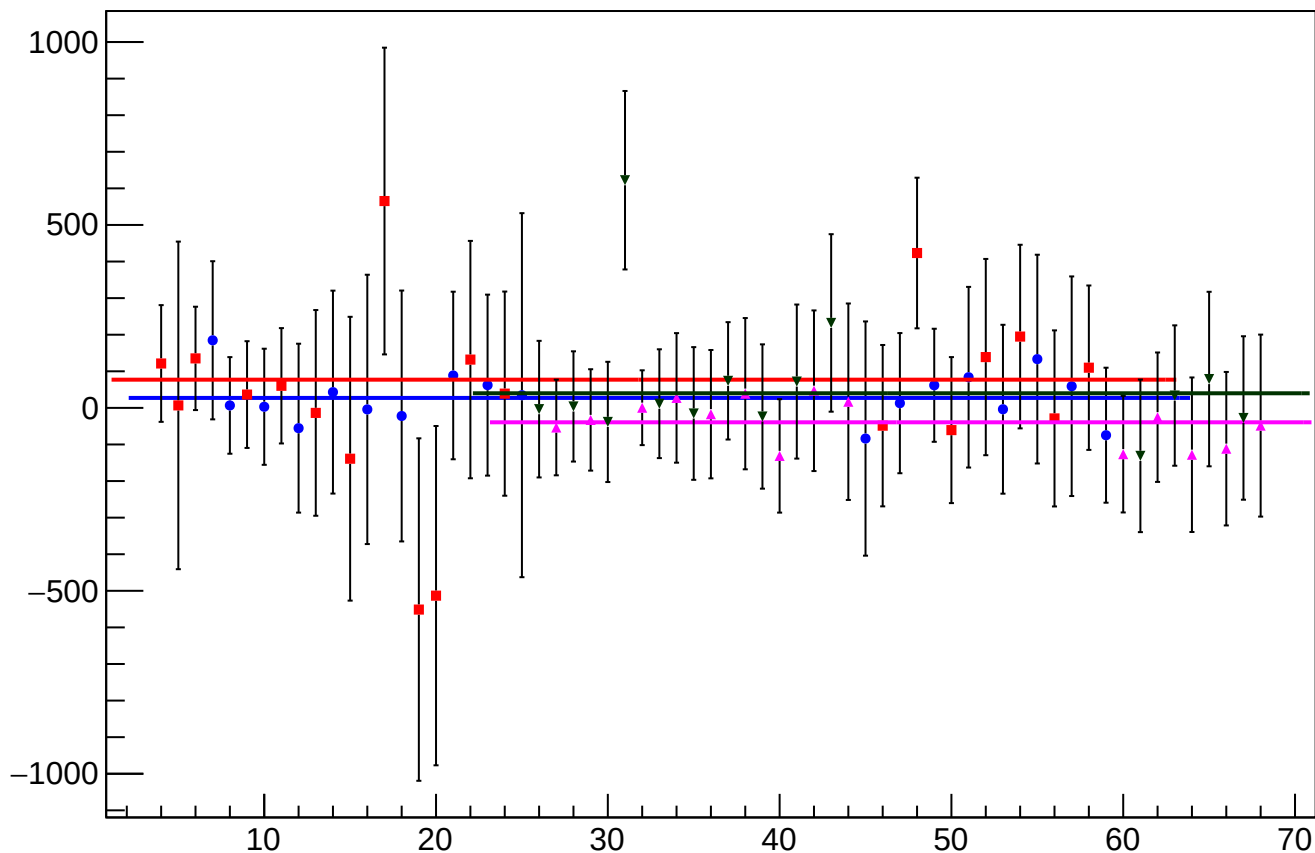
Right Out: 11.361 $\pm$ 0.003 χ^2 /NDF: 6645877.2/18

Left In: 15.617 $\pm$ 0.004 χ^2 /NDF: 246824.6/13

13.184 $\pm$ 0.002 χ^2 /NDF: 6716231.6/31

12.996 $\pm$ 0.002 χ^2 /NDF: 7589257.9/32

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs slug



Right In: 27.225+/-51.816 χ^2/NDF : 1.5/17

Left Out: 39.925+/-50.370 χ^2/NDF : 7.8/13

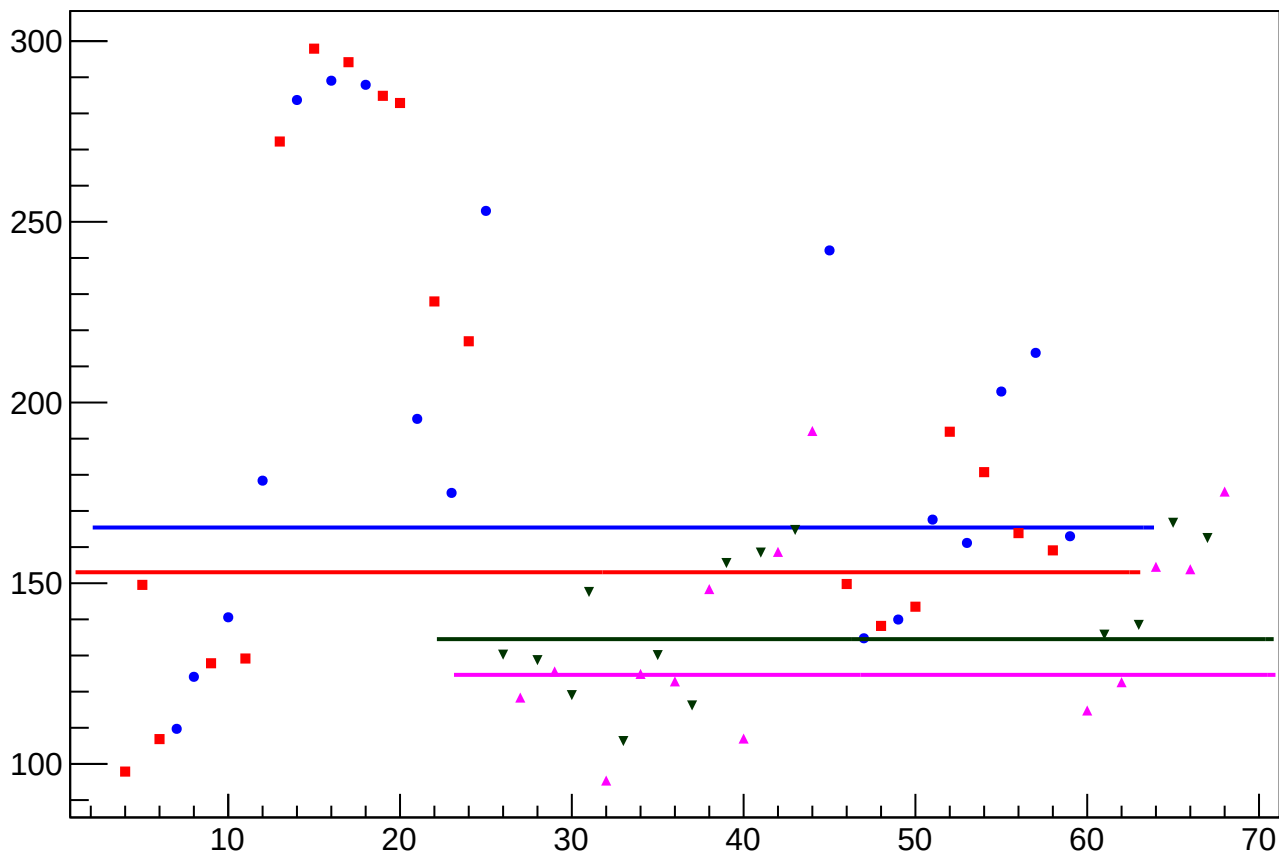
Right Out: 77.113+/-51.687 χ^2/NDF : 9.7/18

Left In: -39.410+/-44.589 χ^2/NDF : 1.6/13

33.755+/-36.118 χ^2/NDF : 9.3/31

10.307+/-33.762 χ^2/NDF : 14.3/32

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: 134.531 $\pm$ 0.036 χ^2 /NDF: 275248.6/13

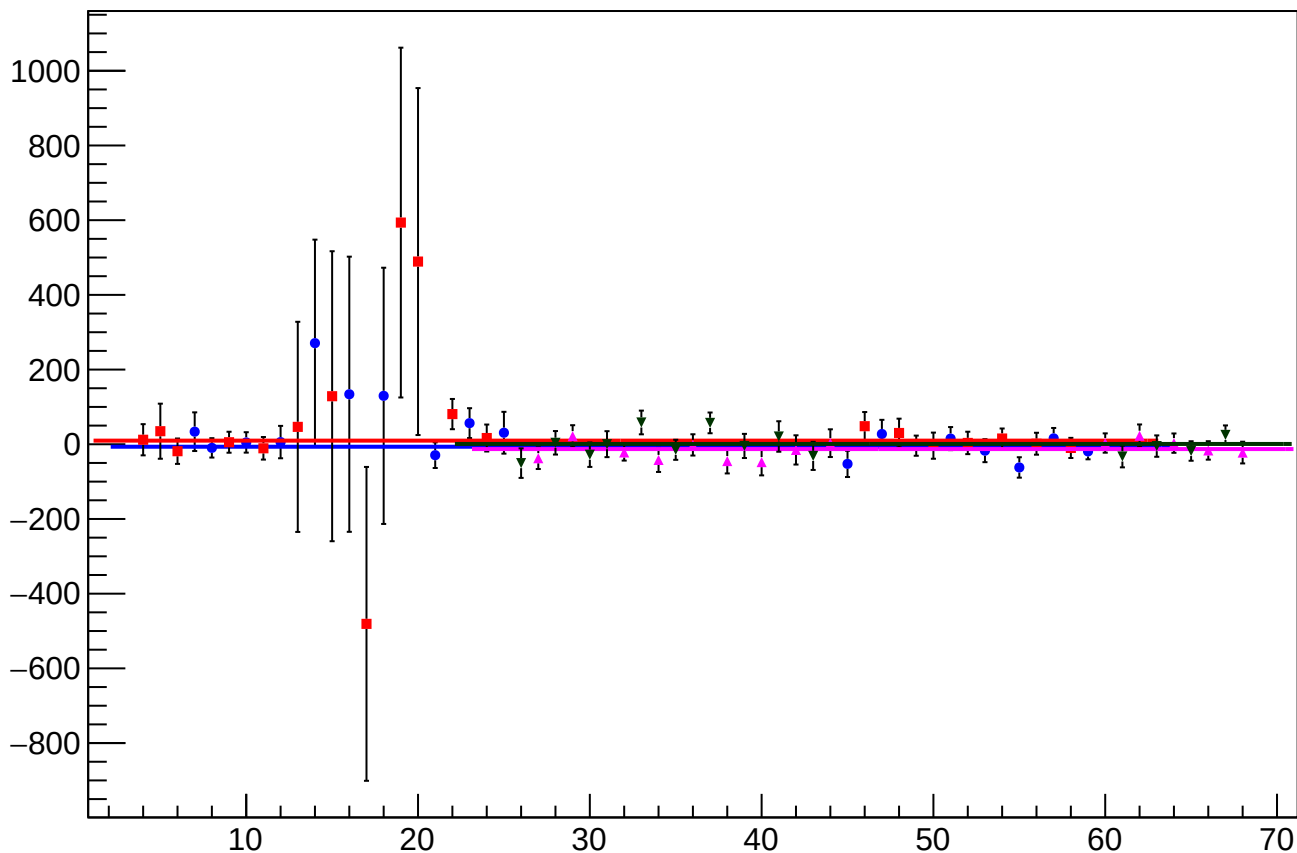
149.538 $\pm$ 0.026 χ^2 /NDF: 2277046.2/31

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

136.761 $\pm$ 0.024 χ^2 /NDF: 2949037.0/32

Left In: 124.647 $\pm$ 0.032 χ^2 /NDF: 565178.3/13

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: 0.858+/-8.230 χ^2/NDF :14.0/13

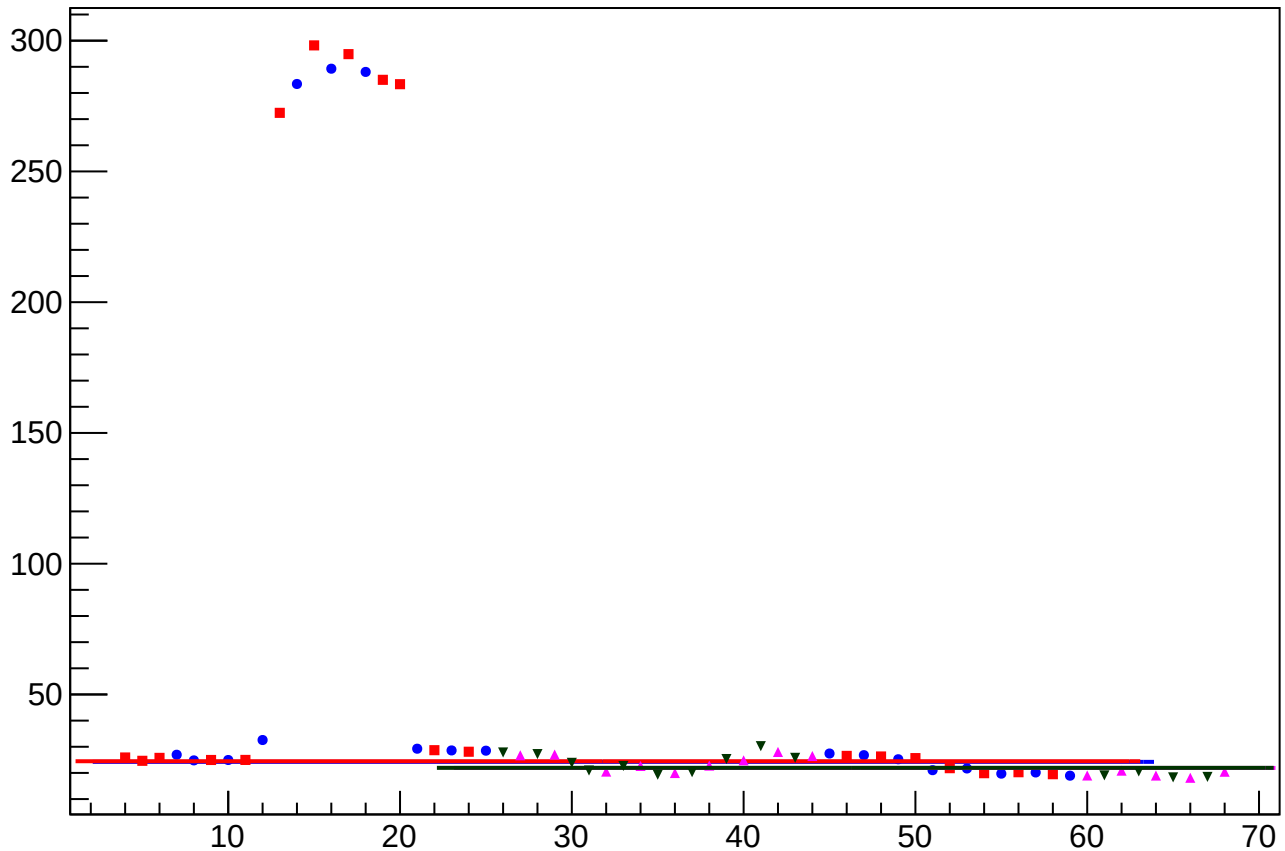
Right Out: 9.755+/-8.898 χ^2/NDF : 10.7/18

Left In: -12.830+/-7.758 χ^2/NDF :7.6/13

-2.931+/-5.760 χ^2/NDF : 28.2/31

-3.077+/-5.847 χ^2/NDF : 21.9/32

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: 21.940 $\pm$ 0.006 χ^2 /NDF:361170.3/13

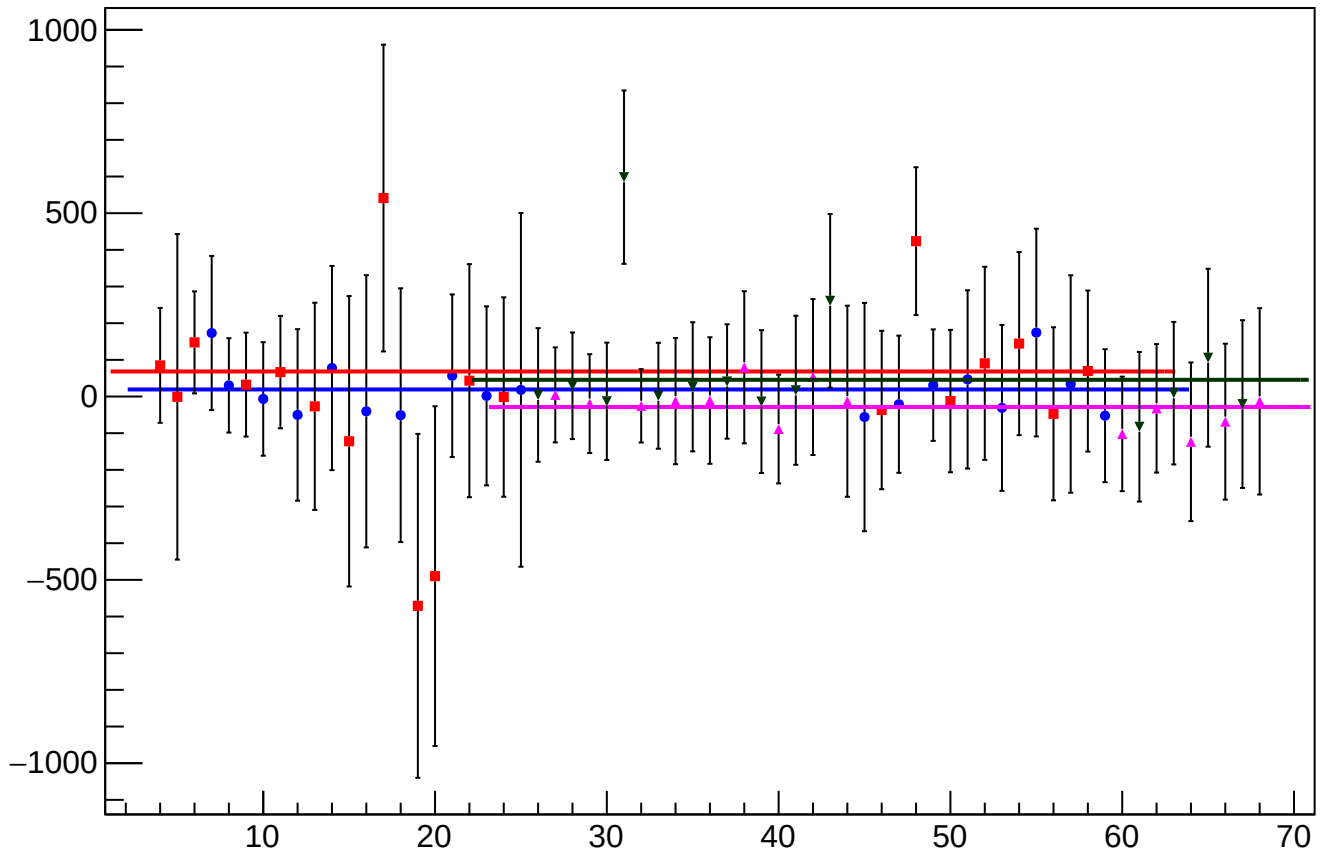
Right Out: 24.466 $\pm$ 0.006 χ^2 /NDF: 4859985.2/18

Left In: 21.900 $\pm$ 0.005 χ^2 /NDF:332648.5/13

23.106 $\pm$ 0.004 χ^2 /NDF: 4852897.7/31

23.008 $\pm$ 0.004 χ^2 /NDF: 5287088.2/32

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs slug



Right In: 19.264 ± 50.913 $\chi^2/\text{NDF}: 1.4/17$

Left Out: 45.584 ± 49.348 $\chi^2/\text{NDF}: 7.3/13$

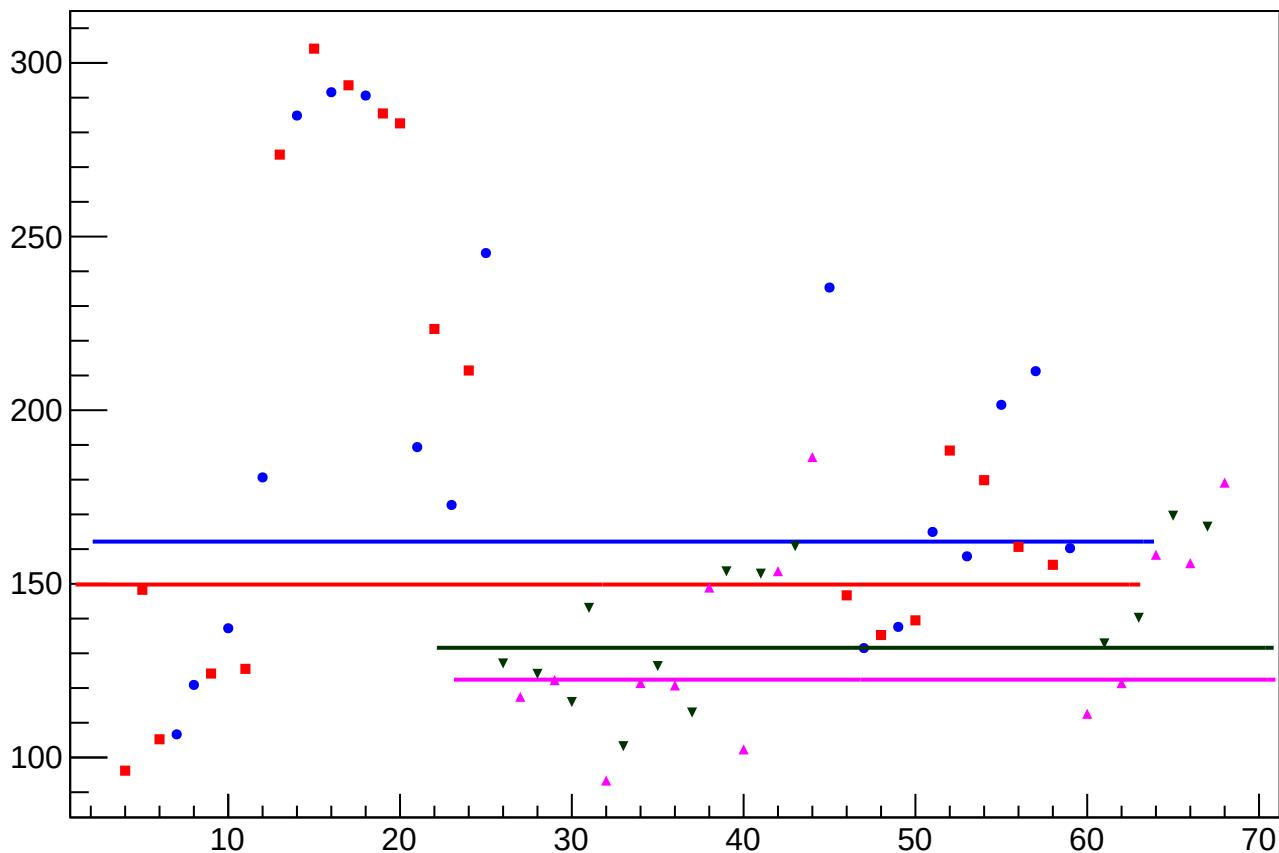
Right Out: 68.308 ± 50.710 $\chi^2/\text{NDF}: 9.3/18$

Left In: -28.670 ± 43.857 $\chi^2/\text{NDF}: 1.1/13$

32.834 ± 35.435 $\chi^2/\text{NDF}: 8.9/31$

12.827 ± 33.172 $\chi^2/\text{NDF}: 12.5/32$

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs slug



Right In: 162.166+/-0.036 χ^2/NDF : 1720612.8/17

Left Out: 131.588+/-0.035 χ^2/NDF : 315369.4/13

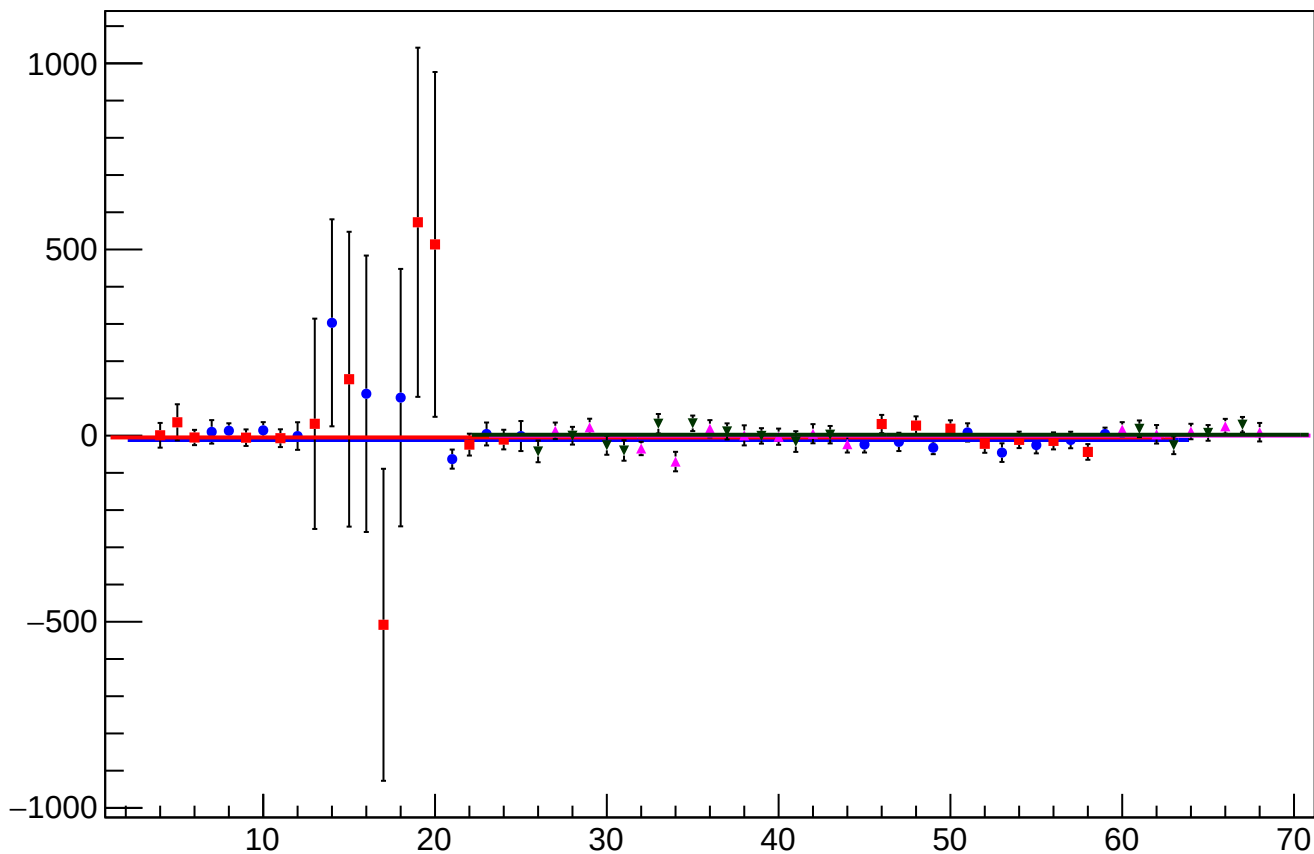
146.400+/-0.025 χ^2/NDF : 2407945.7/31

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

134.134+/-0.023 χ^2/NDF : 3066342.7/32

Left In: 122.413+/-0.031 χ^2/NDF : 617935.4/13

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs slug



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

Left Out: 2.332 $\pm$ 6.269 χ^2 /NDF:13.7/13

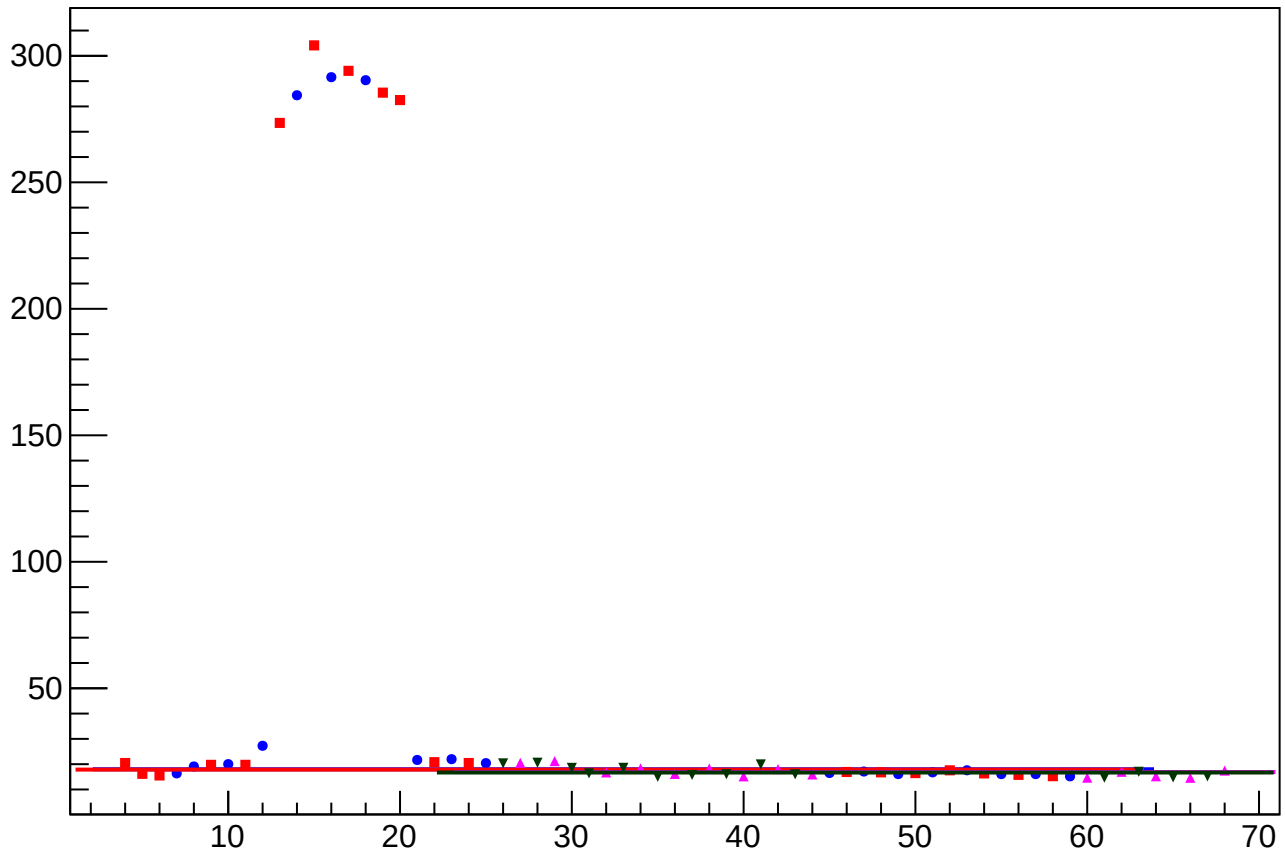
Right Out: -4.846 $\pm$ 6.550 χ^2 /NDF: 14.7/18

Left In: 0.052 $\pm$ 5.988 χ^2 /NDF:16.5/13

-4.957 $\pm$ 4.348 χ^2 /NDF: 31.3/31

-2.178 $\pm$ 4.420 χ^2 /NDF: 31.4/32

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs slug



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

Left Out: 16.711+/-0.004 χ^2/NDF :196425.8/13

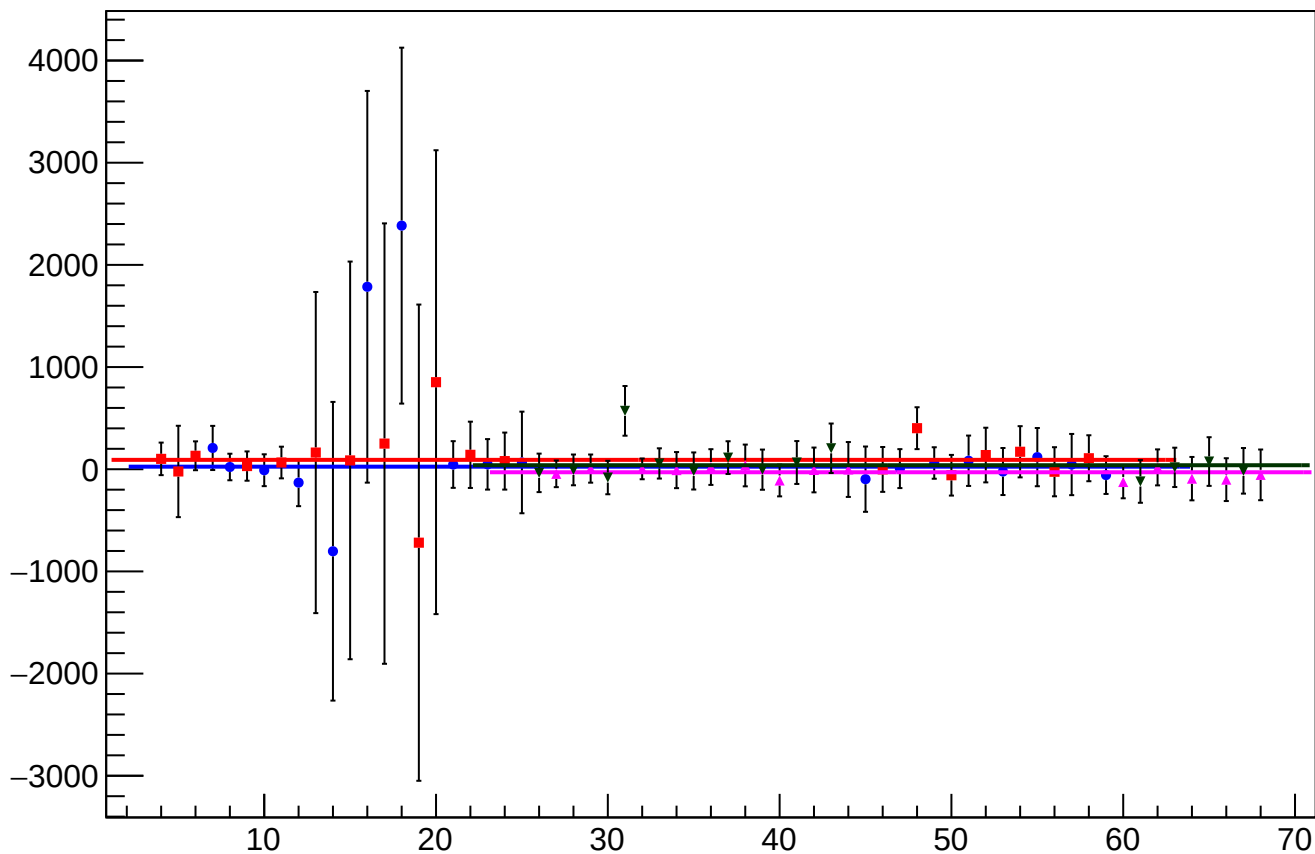
Right Out: 17.855+/-0.005 χ^2/NDF : 5034119.1/18

Left In: 16.885+/-0.004 χ^2/NDF :220959.0/13

17.374+/-0.003 χ^2/NDF : 4764675.3/31

17.326+/-0.003 χ^2/NDF : 5278961.3/32

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: 39.214+/-50.329 χ^2/NDF : 7.1/13

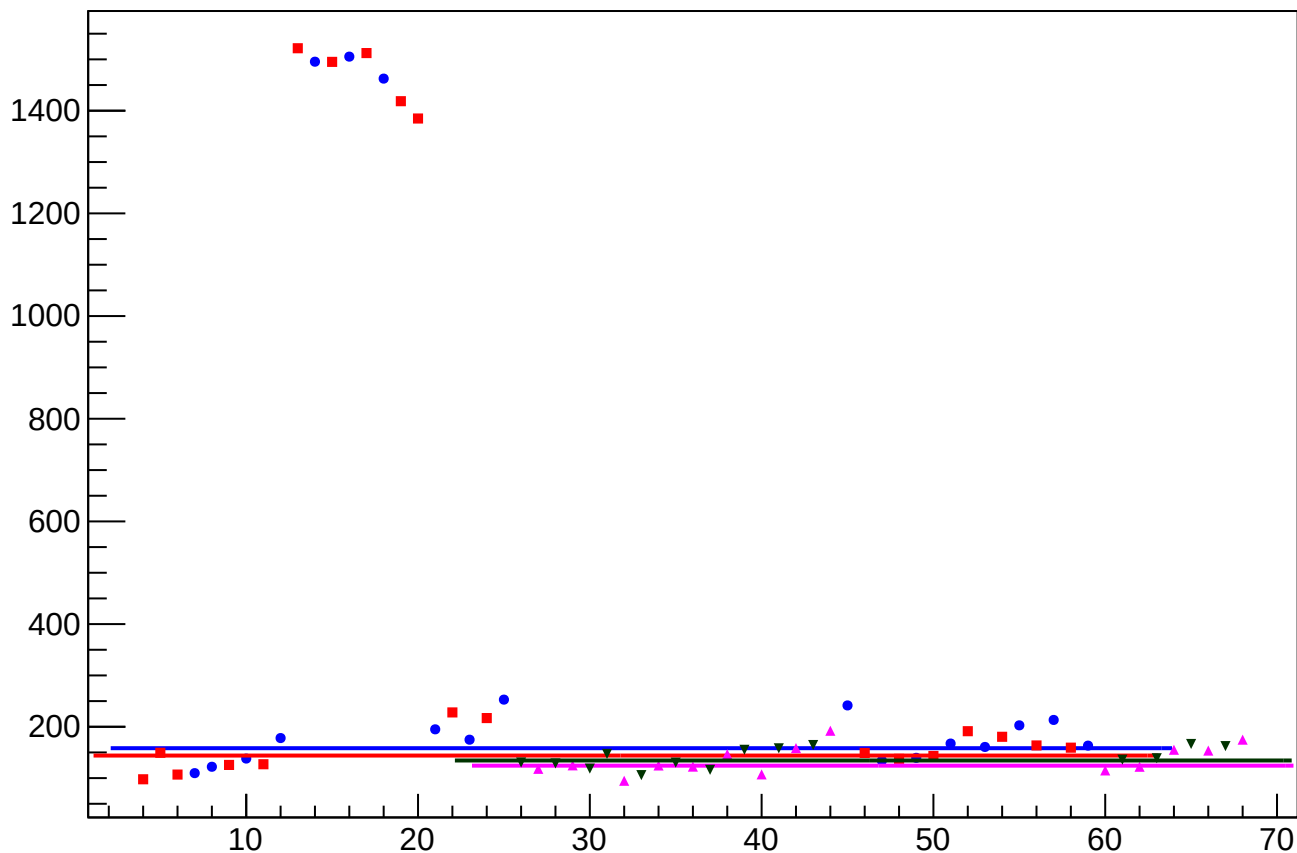
Right Out: 91.771+/-53.823 χ^2/NDF : 4.0/18

Left In: -29.576+/-44.466 χ^2/NDF : 1.3/13

32.600+/-36.670 χ^2/NDF : 12.0/31

19.648+/-34.280 χ^2/NDF : 8.4/32

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs slug



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

Left Out: 134.329 $\pm$ 0.036 χ^2/NDF : 276979.6/13

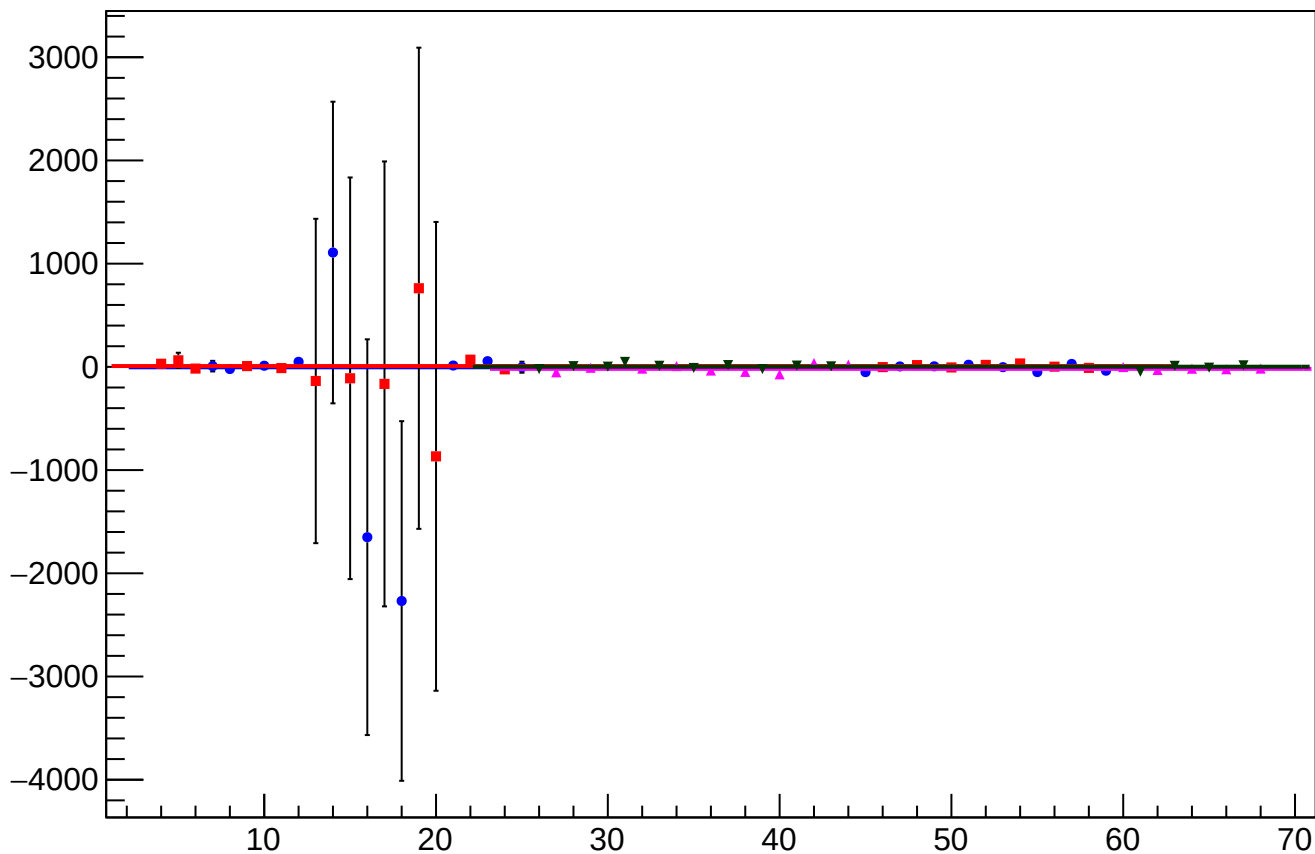
Right Out: 143.939 $\pm$ 0.038 χ^2/NDF : 5267987.5/18

Left In: 124.269 $\pm$ 0.031 χ^2/NDF : 569299.8/13

145.563 $\pm$ 0.026 χ^2/NDF : 5028389.0/31

132.248 $\pm$ 0.024 χ^2/NDF : 5996046.5/32

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: 1.478+/-7.876 χ^2 /NDF: 7.1/13

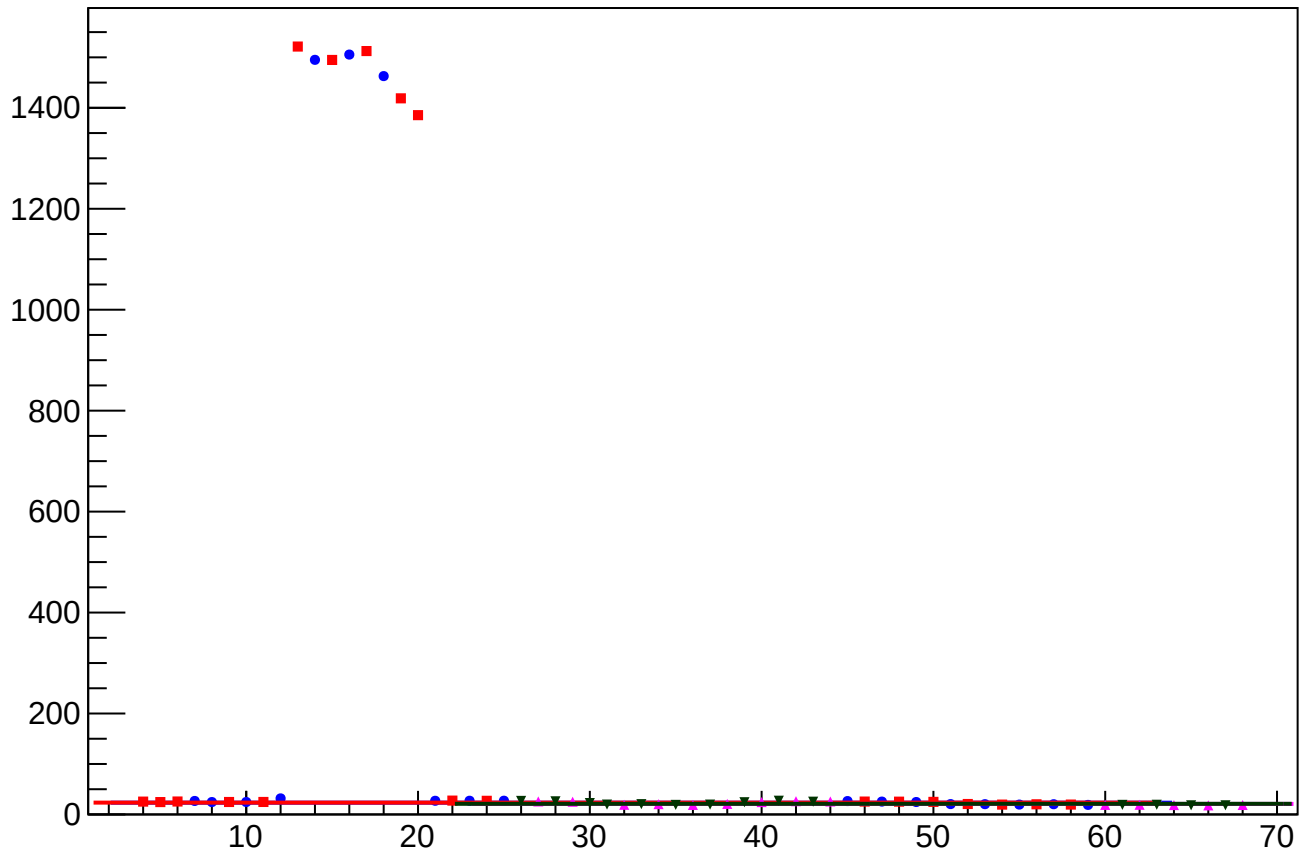
Right Out: 7.973+/-8.718 χ^2 /NDF: 7.3/18

Left In: -19.355+/-7.348 χ^2 /NDF: 10.5/13

-1.296+/-5.569 χ^2 /NDF: 24.9/31

-8.005+/-5.619 χ^2 /NDF: 23.5/32

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: 21.094+/-0.006 χ^2/NDF :307211.0/13

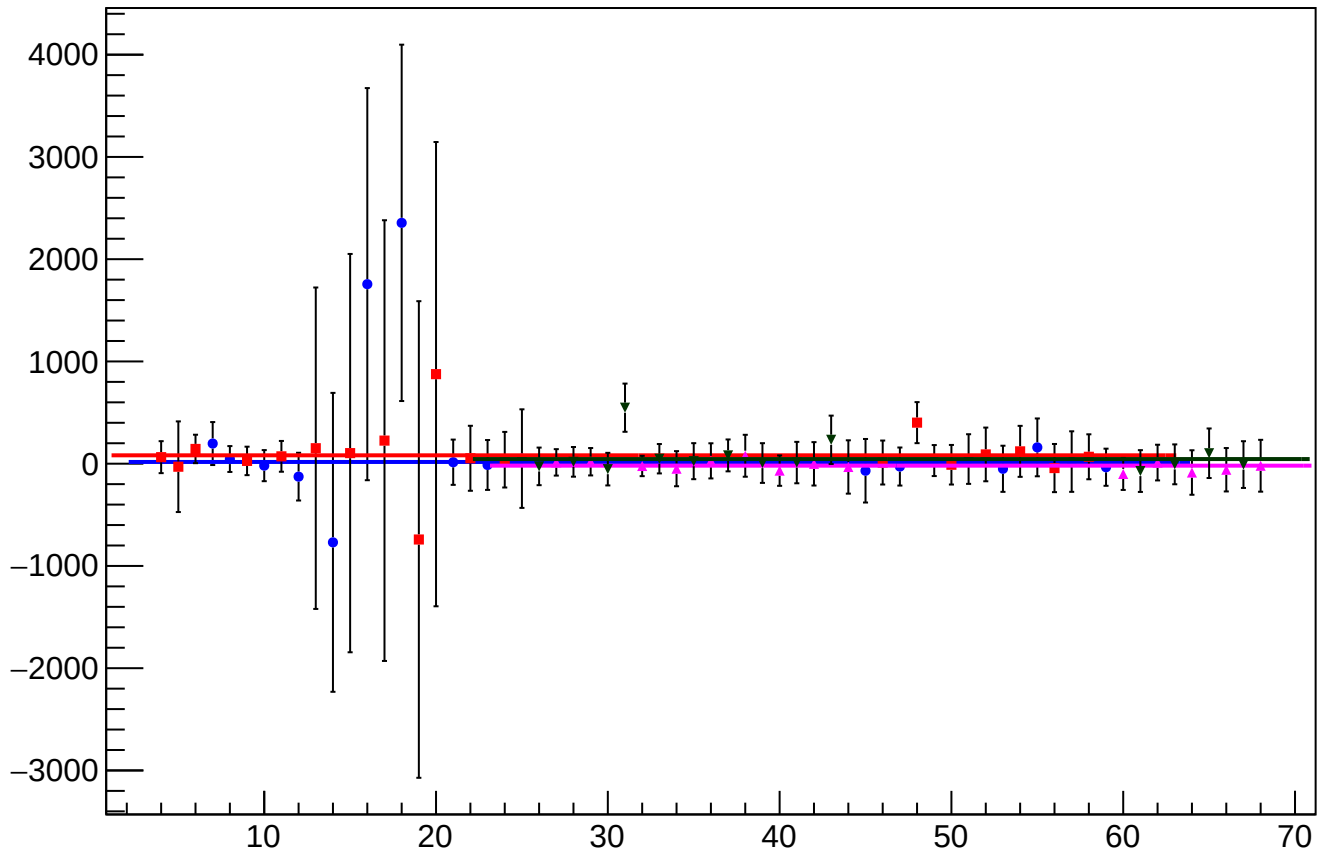
Right Out: 23.445+/-0.006 χ^2/NDF : 5561556.7/18

Left In: 20.858+/-0.005 χ^2/NDF :311330.7/13

22.215+/-0.004 χ^2/NDF : 5353463.9/31

21.932+/-0.004 χ^2/NDF : 5975841.1/32

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: 45.276+/-49.302 χ^2/NDF : 6.4/13

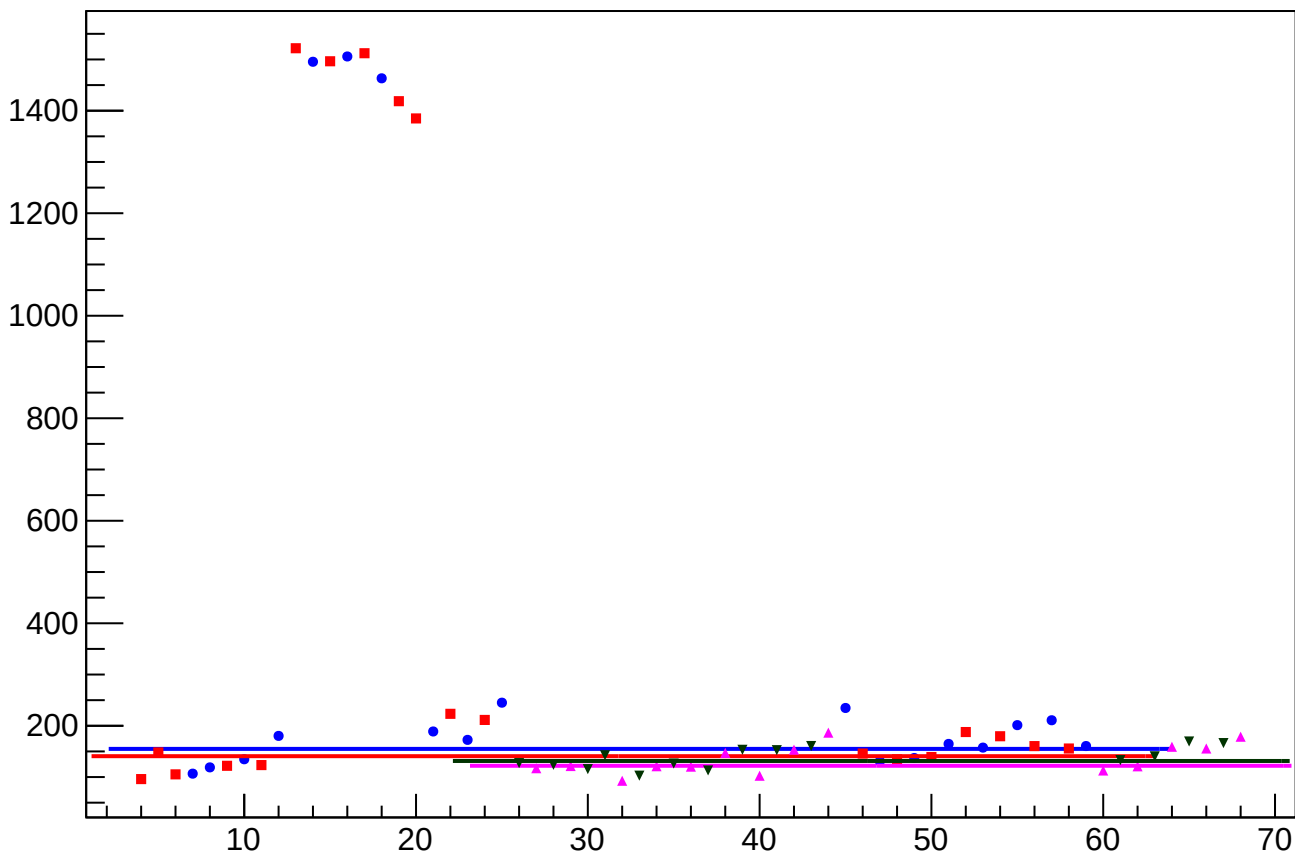
Right Out: 81.906+/-52.666 χ^2/NDF : 3.9/18

Left In: -19.230+/-43.731 χ^2/NDF : 1.0/13

31.992+/-35.935 χ^2/NDF : 11.3/31

22.043+/-33.644 χ^2/NDF : 7.1/32

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: 131.370 $\pm$ 0.035 χ^2 /NDF: 317660.7/13

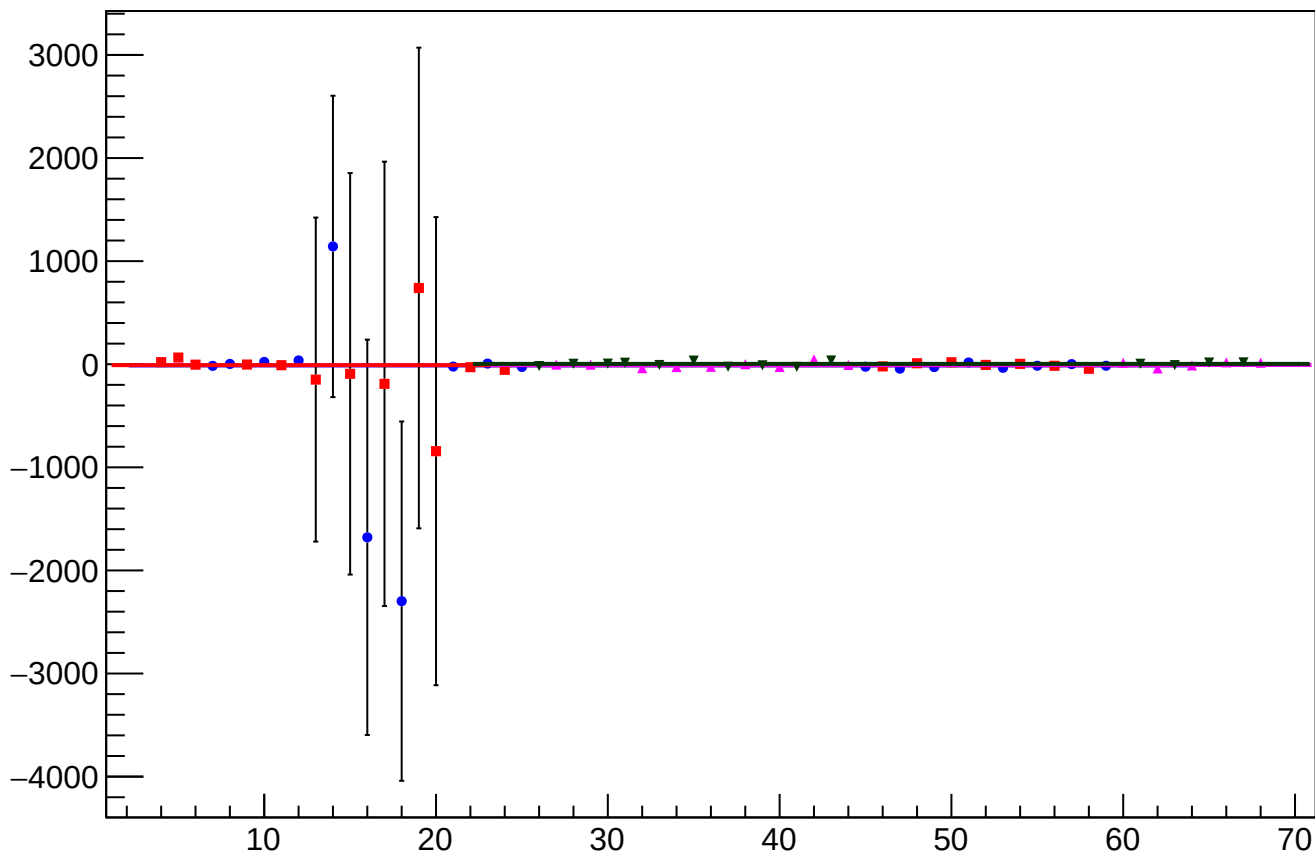
Right Out: 140.710 $\pm$ 0.037 χ^2 /NDF: 5291988.7/18

Left In: 122.028 $\pm$ 0.031 χ^2 /NDF: 622448.3/13

142.421 $\pm$ 0.025 χ^2 /NDF: 5112645.8/31

129.652 $\pm$ 0.024 χ^2 /NDF: 6063392.8/32

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: 3.488 $\pm$ 5.879 χ^2 /NDF:10.8/13

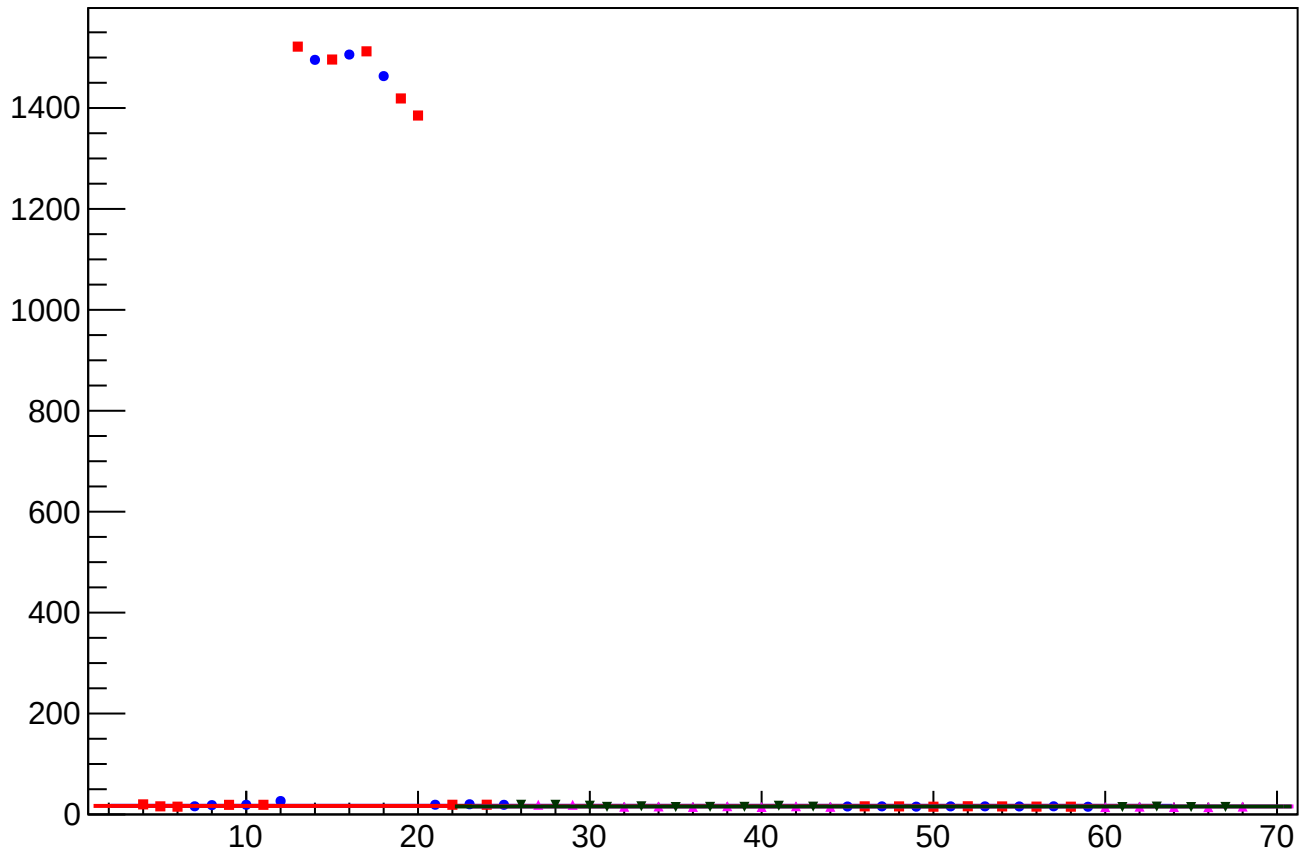
Right Out: -8.864 $\pm$ 6.293 χ^2 /NDF: 13.3/18

Left In: -7.627 $\pm$ 5.574 χ^2 /NDF:18.0/13

-4.057 $\pm$ 4.119 χ^2 /NDF: 29.0/31

-8.171 $\pm$ 4.173 χ^2 /NDF: 31.3/32

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs slug



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

Left Out: 15.822+/-0.004 χ^2/NDF :120633.6/13

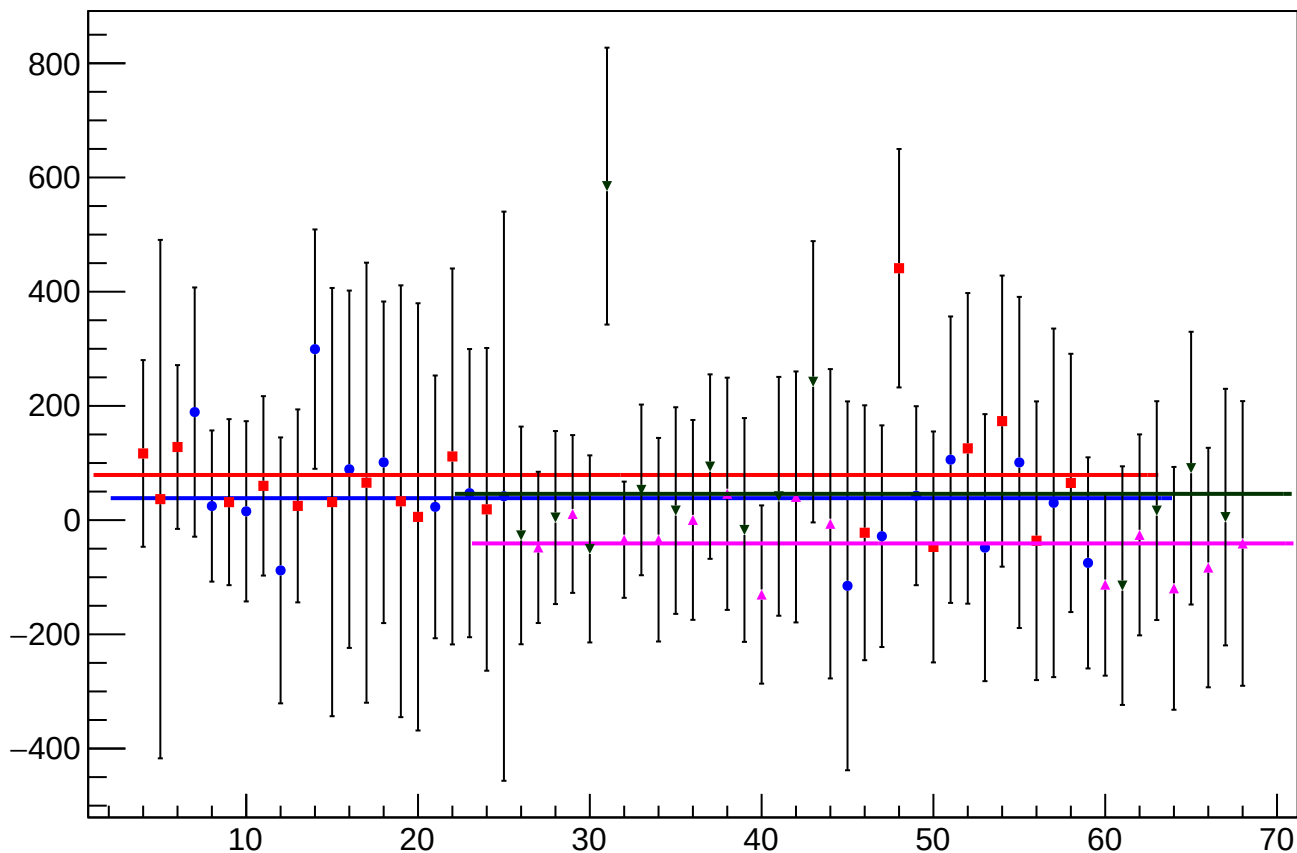
Right Out: 16.920+/-0.004 χ^2/NDF : 5539958.1/18

Left In: 15.893+/-0.004 χ^2/NDF :136854.7/13

16.469+/-0.003 χ^2/NDF : 5090353.5/31

16.344+/-0.003 χ^2/NDF : 5706629.6/32

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs slug



Right In: 38.450 $\pm$ 51.040 χ^2 /NDF: 3.4/17

Left Out: 45.998 $\pm$ 50.510 χ^2 /NDF: 7.0/13

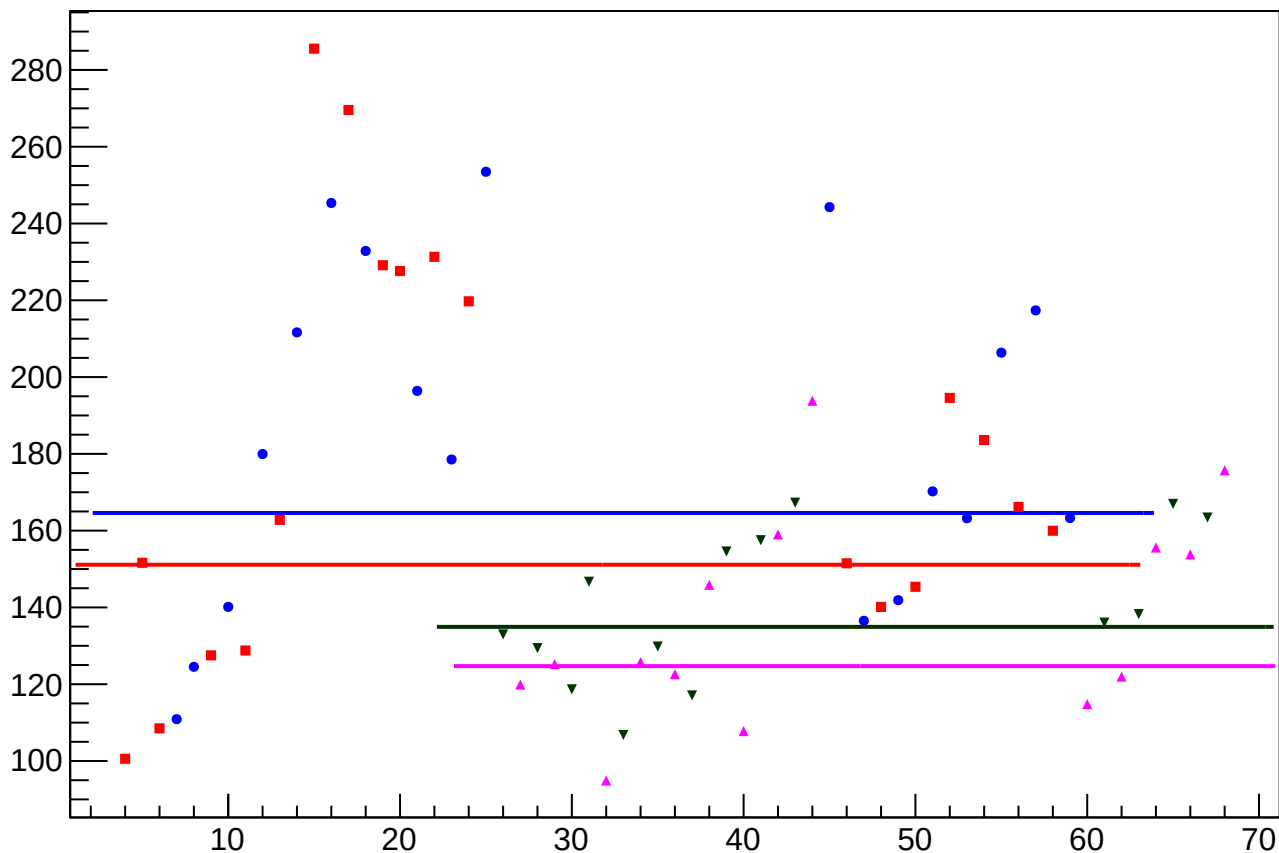
Right Out: 79.078 $\pm$ 50.233 χ^2 /NDF: 4.5/18

Left In: -40.789 $\pm$ 44.618 χ^2 /NDF: 1.3/13

42.263 $\pm$ 35.902 χ^2 /NDF: 10.5/31

12.072 $\pm$ 33.359 χ^2 /NDF: 9.0/32

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs slug



Right In: 164.613 ± 0.036 χ^2/NDF : 1128549.0/17

Left Out: 134.940 ± 0.036 χ^2/NDF : 271018.5/13

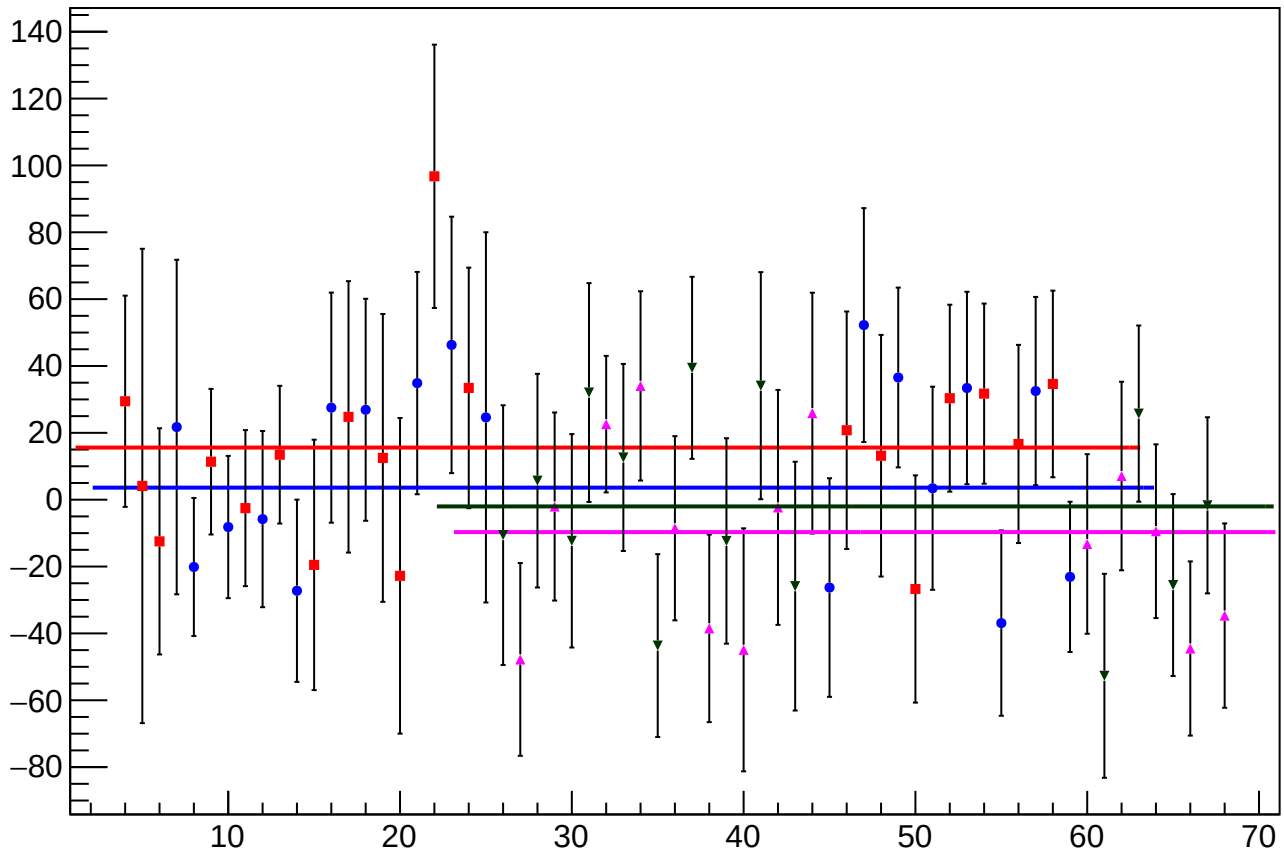
149.622 ± 0.025 χ^2/NDF : 1741064.9/31

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

136.361 ± 0.024 χ^2/NDF : 2303819.5/32

Left In: 124.714 ± 0.032 χ^2/NDF : 571381.4/13

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs slug



Right In: 3.606 ± 6.842 $\chi^2/\text{NDF}: 16.3/17$

Left Out: -2.016 ± 8.039 $\chi^2/\text{NDF}: 12.5/13$

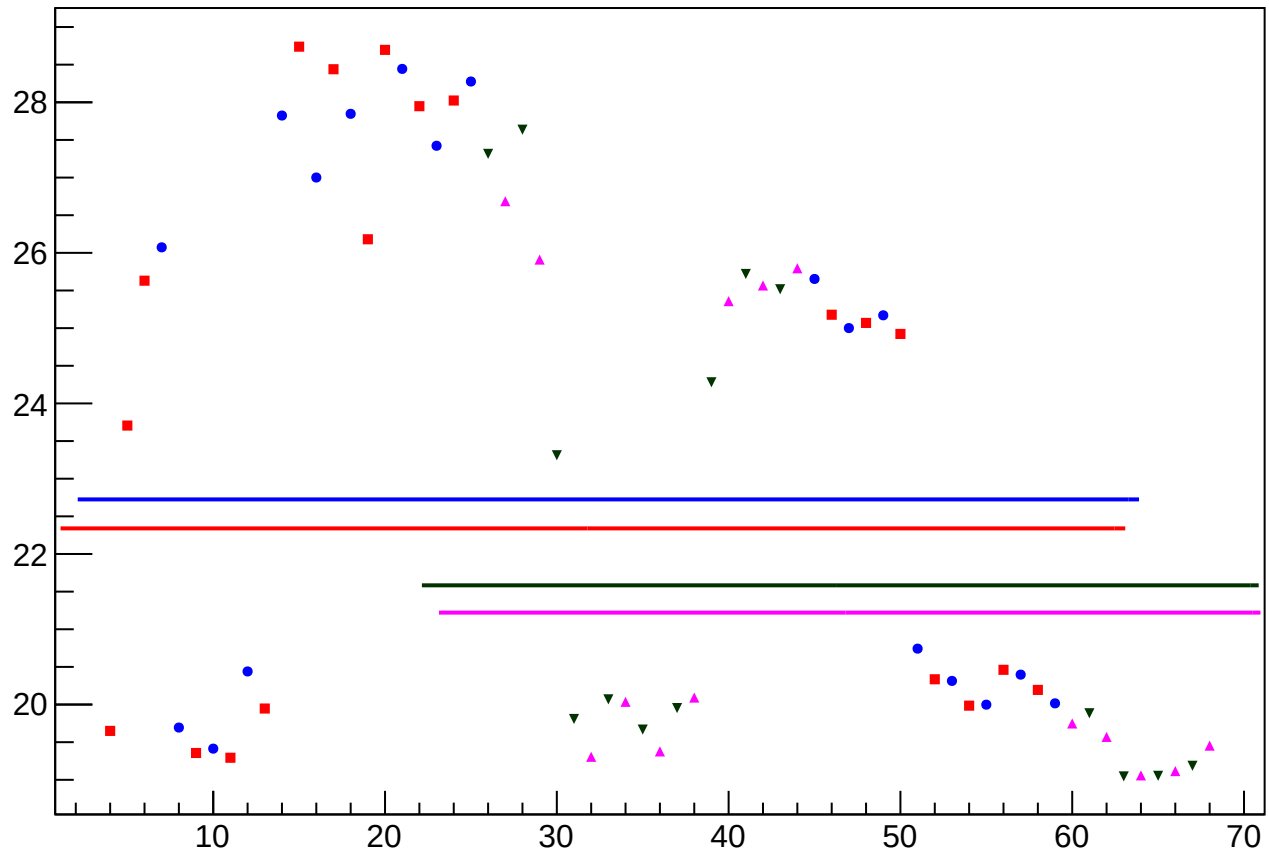
Right Out: 15.596 ± 7.143 $\chi^2/\text{NDF}: 10.3/18$

Left In: -9.695 ± 7.464 $\chi^2/\text{NDF}: 12.7/13$

1.245 ± 5.210 $\chi^2/\text{NDF}: 29.1/31$

3.507 ± 5.161 $\chi^2/\text{NDF}: 29.0/32$

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: 21.584+/-0.006 χ^2 /NDF: 275861.6/13

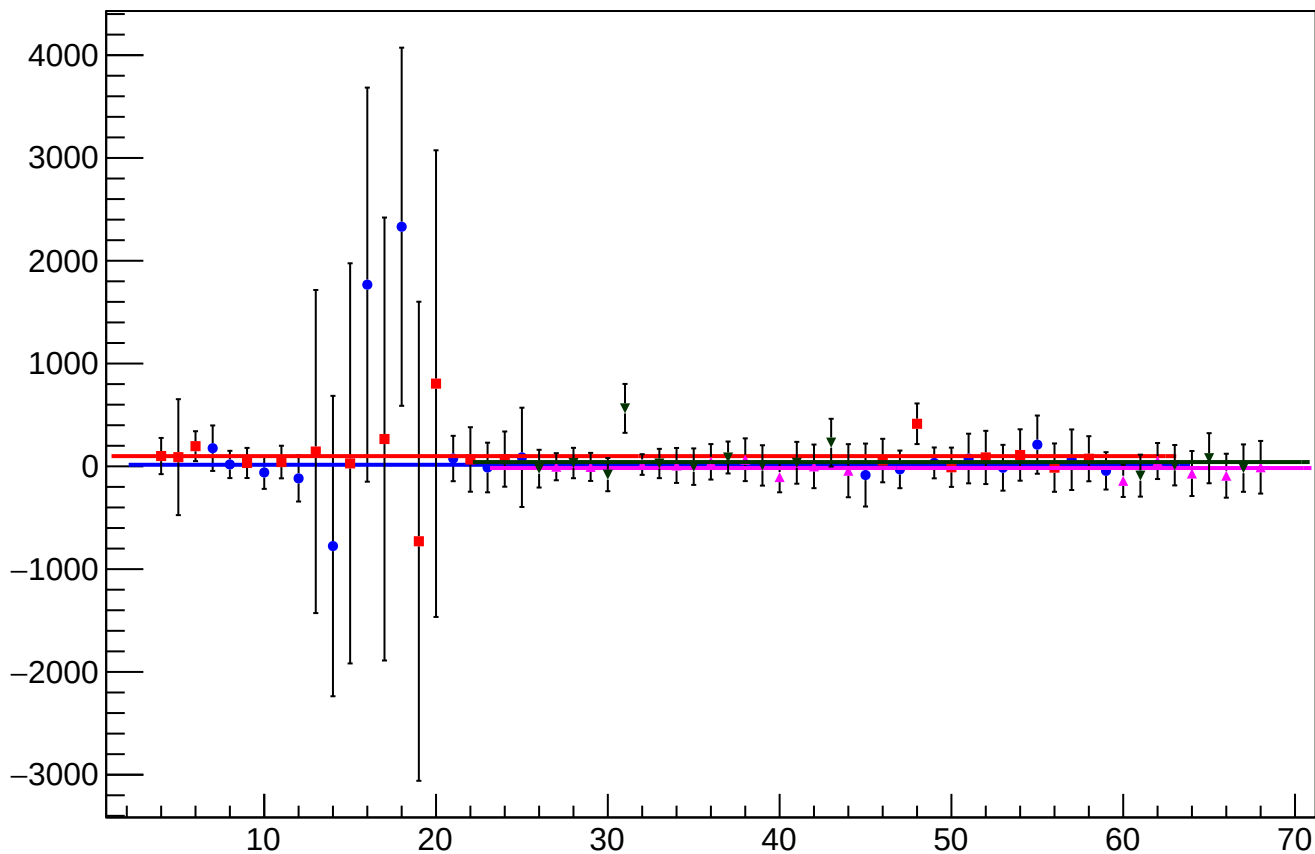
22.246+/-0.004 χ^2 /NDF: 798013.7/31

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

21.805+/-0.004 χ^2 /NDF: 780886.3/32

Left In: 21.221+/-0.005 χ^2 /NDF: 297423.6/13

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: 41.656+/-49.501 χ^2/NDF : 6.9/13

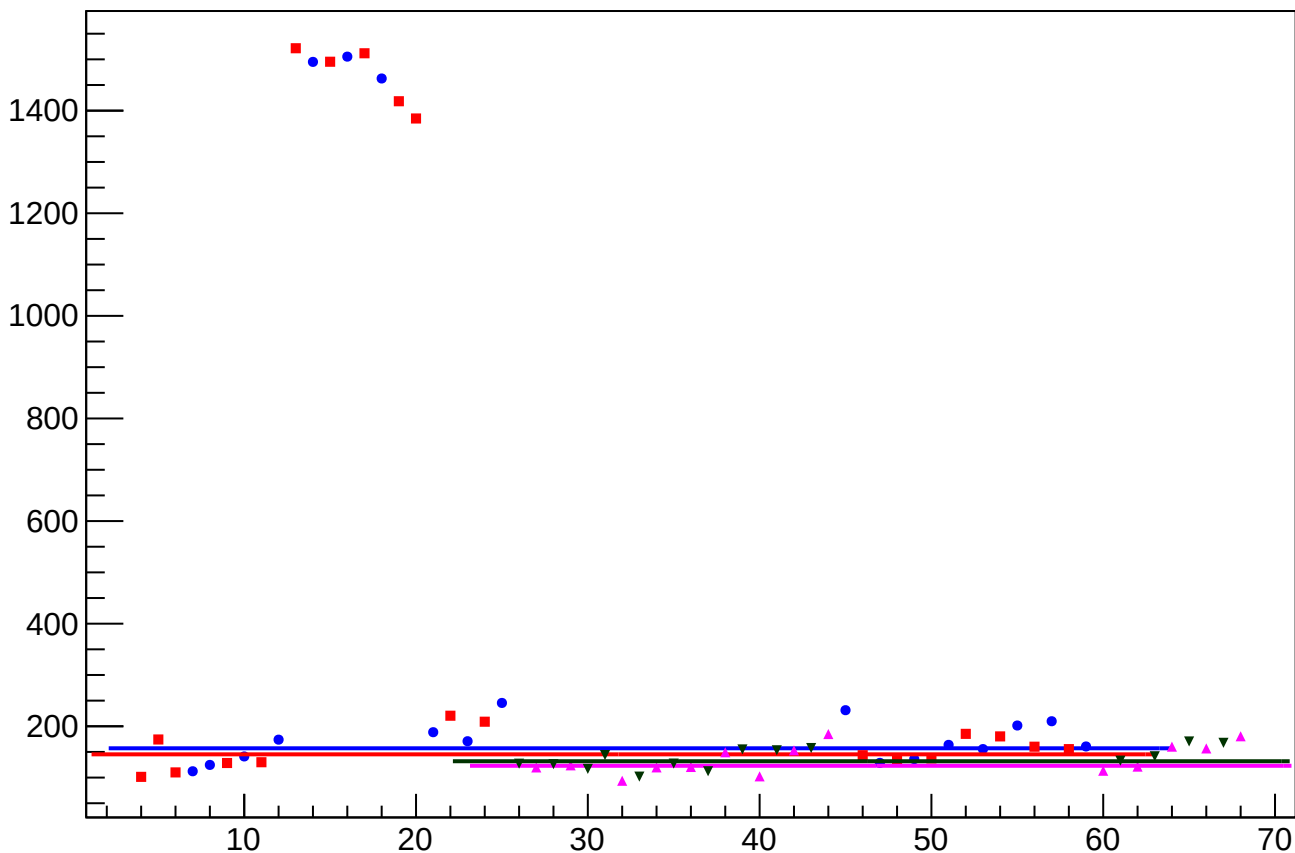
Right Out: 99.514+/-54.286 χ^2/NDF : 4.2/18

Left In: -16.387+/-44.064 χ^2/NDF : 1.8/13

29.333+/-36.183 χ^2/NDF : 12.0/31

29.646+/-34.212 χ^2/NDF : 8.7/32

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs slug



Right In: 157.088+/-0.037 χ^2/NDF : 4456786.2/17

Left Out: 131.864+/-0.035 χ^2/NDF : 325422.4/13

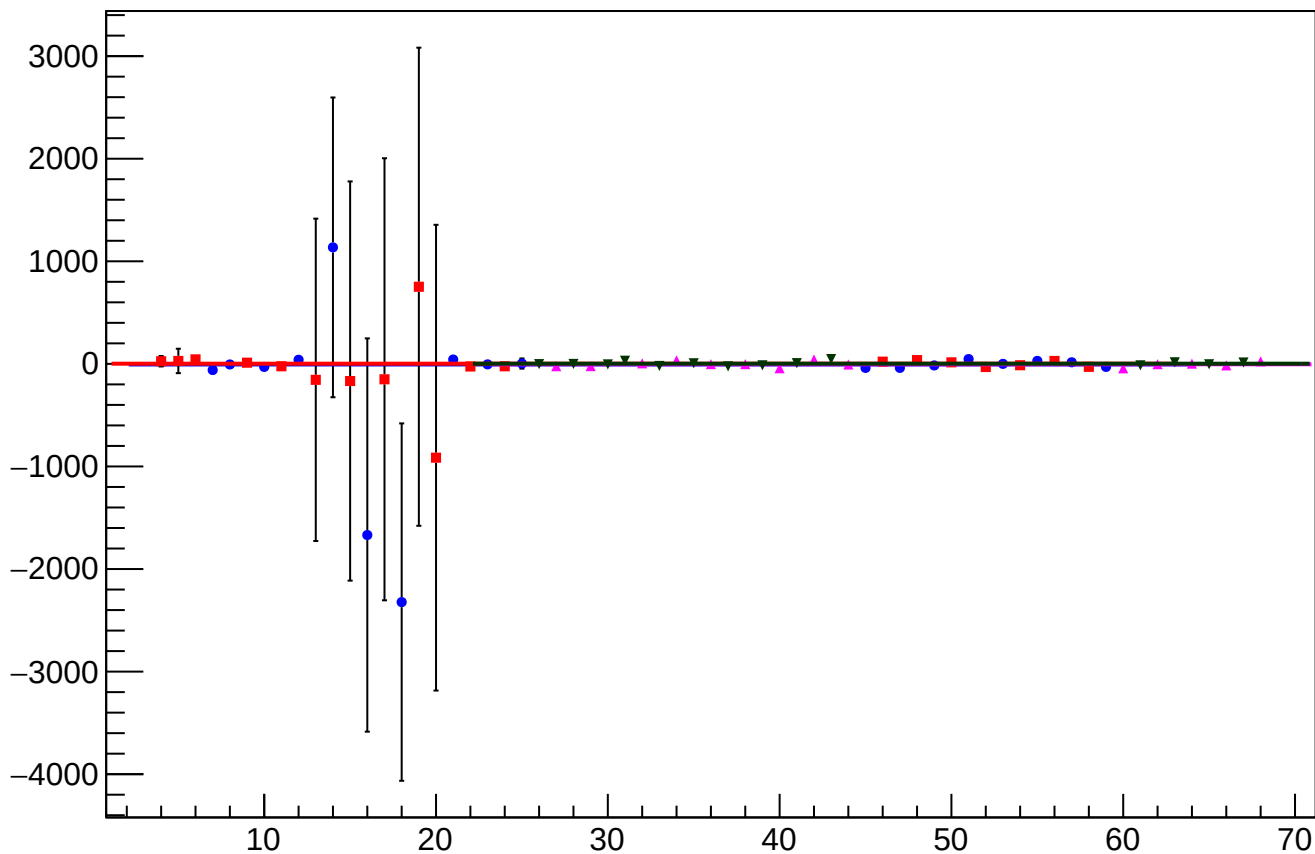
143.612+/-0.026 χ^2/NDF : 5024065.8/31

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

131.866+/-0.024 χ^2/NDF : 5940542.8/32

Left In: 123.016+/-0.031 χ^2/NDF : 613251.9/13

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: 1.785+/-7.671 χ^2 /NDF: 6.1/13

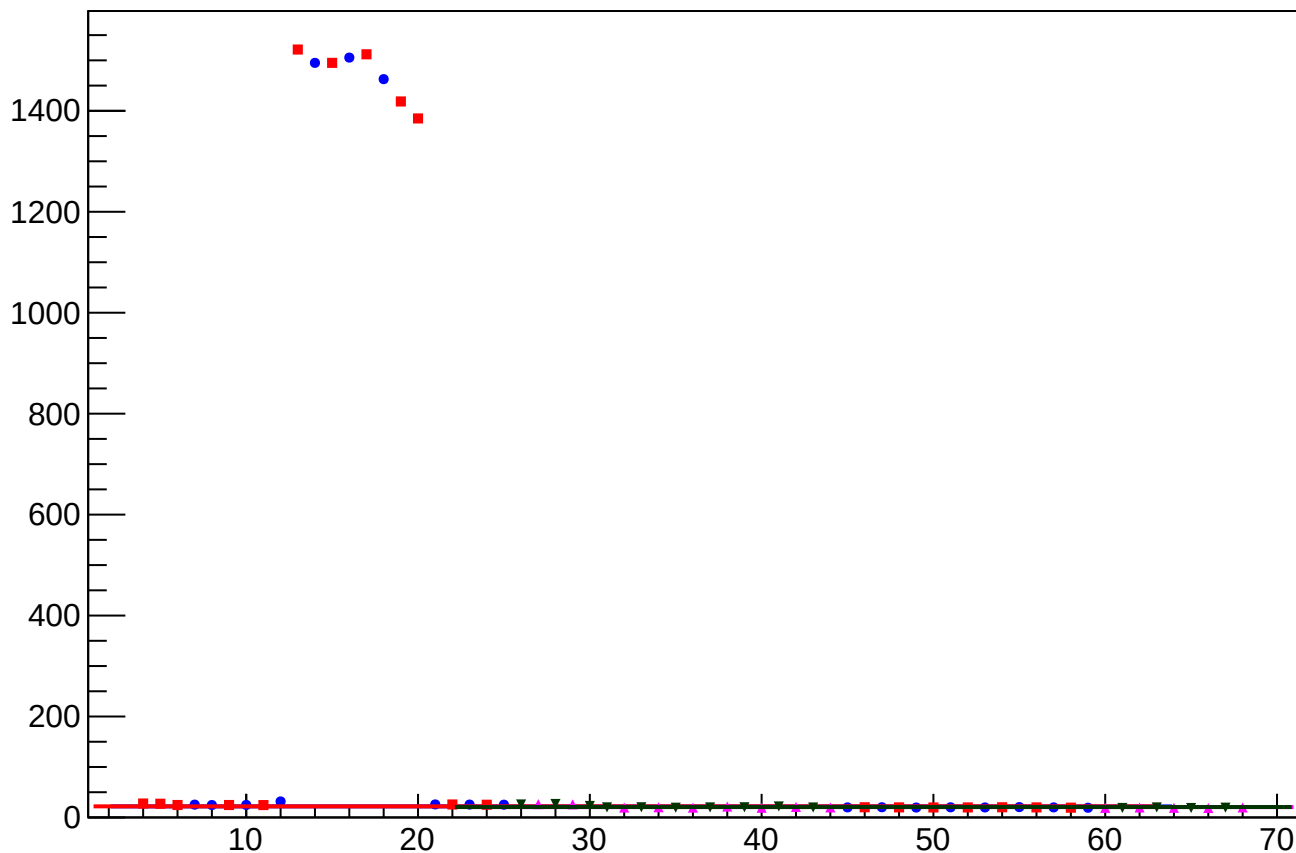
Right Out: 1.722+/-8.261 χ^2 /NDF: 10.4/18

Left In: -3.960+/-7.216 χ^2 /NDF: 10.9/13

-2.078+/-5.322 χ^2 /NDF: 25.3/31

-1.501+/-5.435 χ^2 /NDF: 21.5/32

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs slug



Right In: 21.918+/-0.005 χ^2/NDF : 4931747.1/17

Left Out: 20.636+/-0.005 χ^2/NDF : 163489.4/13

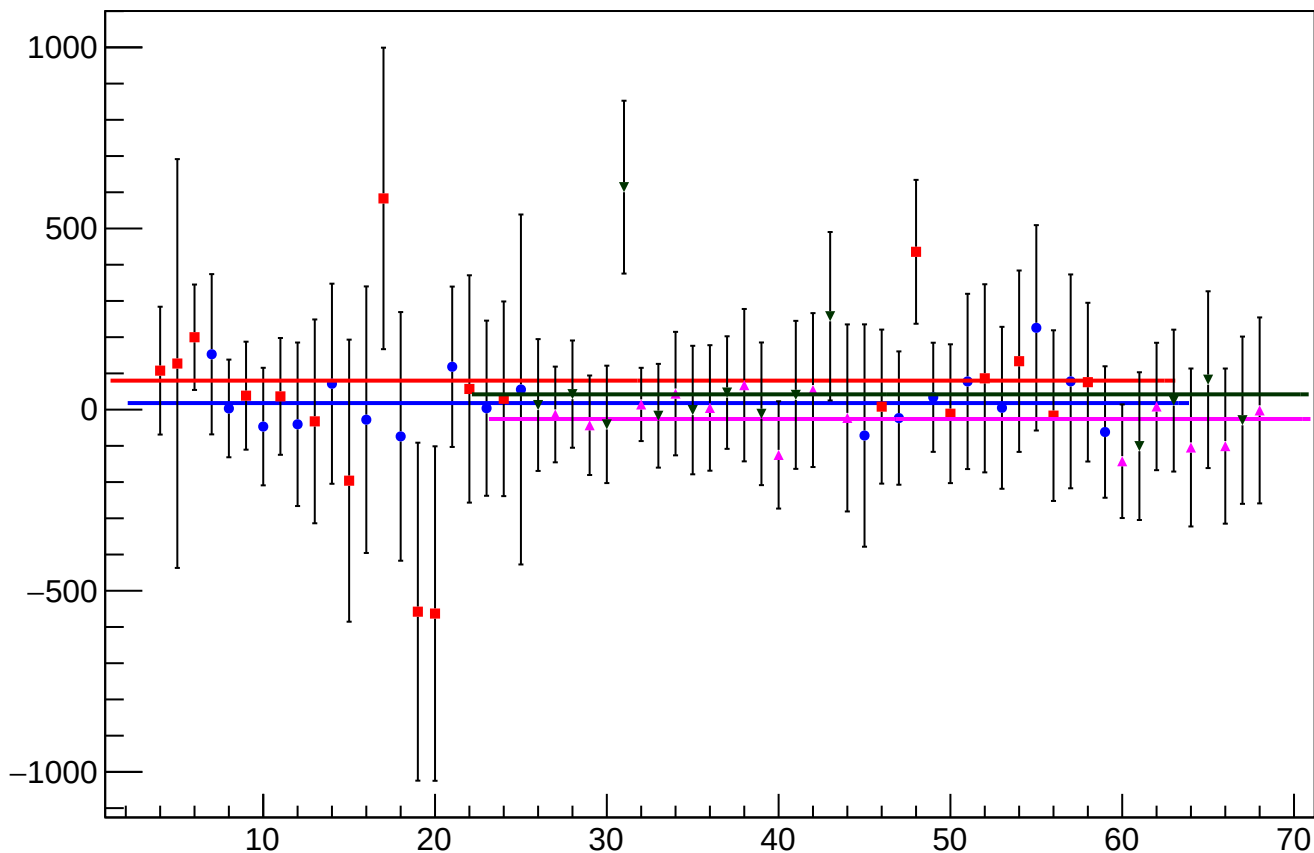
Right Out: 21.987+/-0.006 χ^2/NDF : 5559967.3/18

Left In: 20.562+/-0.005 χ^2/NDF : 199628.5/13

21.301+/-0.004 χ^2/NDF : 5124220.5/31

21.179+/-0.004 χ^2/NDF : 5793326.6/32

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: 42.173+/-49.545 χ^2/NDF : 7.8/13

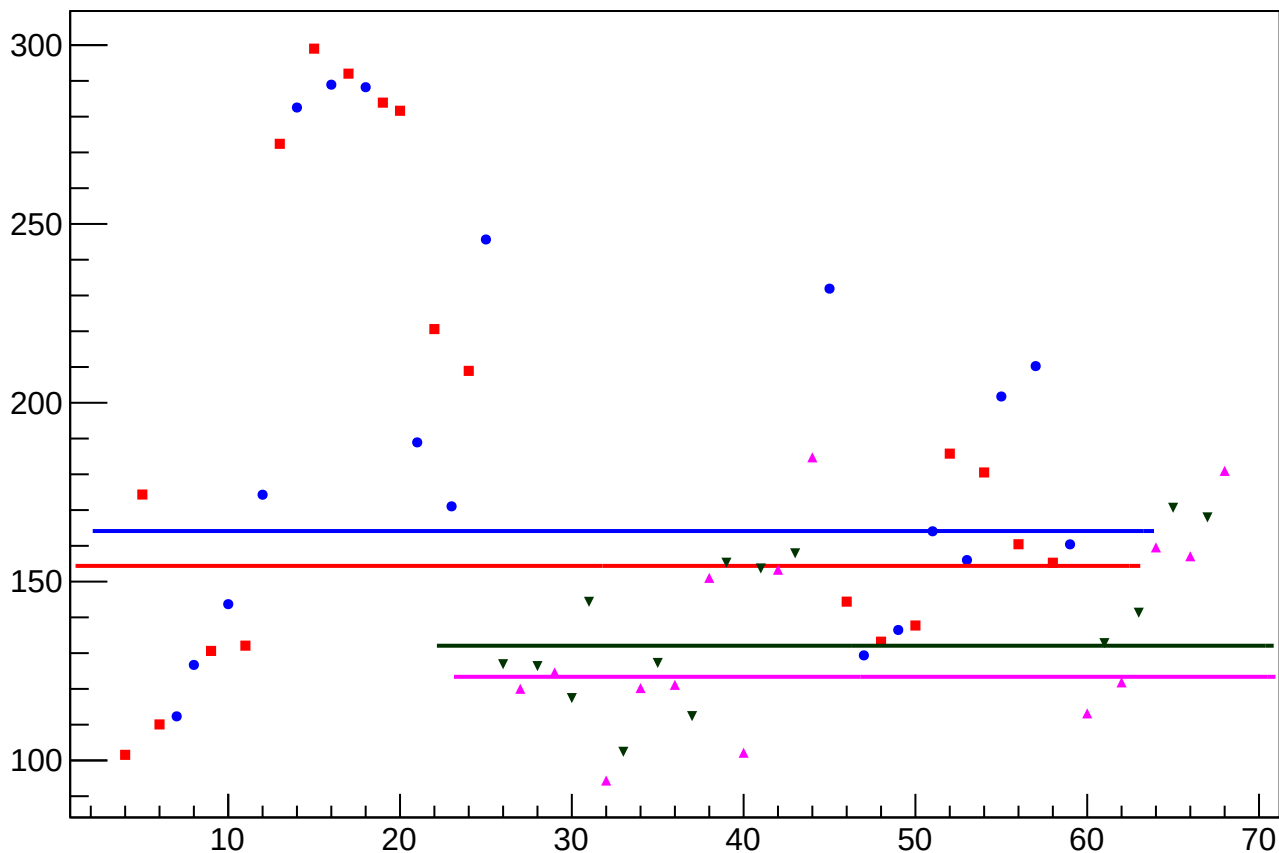
Right Out: 80.043+/-52.081 χ^2/NDF : 10.6/18

Left In: -25.841+/-44.184 χ^2/NDF : 2.0/13

30.566+/-35.649 χ^2/NDF : 9.9/31

18.473+/-33.693 χ^2/NDF : 15.0/32

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs slug



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

Left Out: 132.072 $\pm$ 0.035 χ^2 /NDF: 323101.7/13

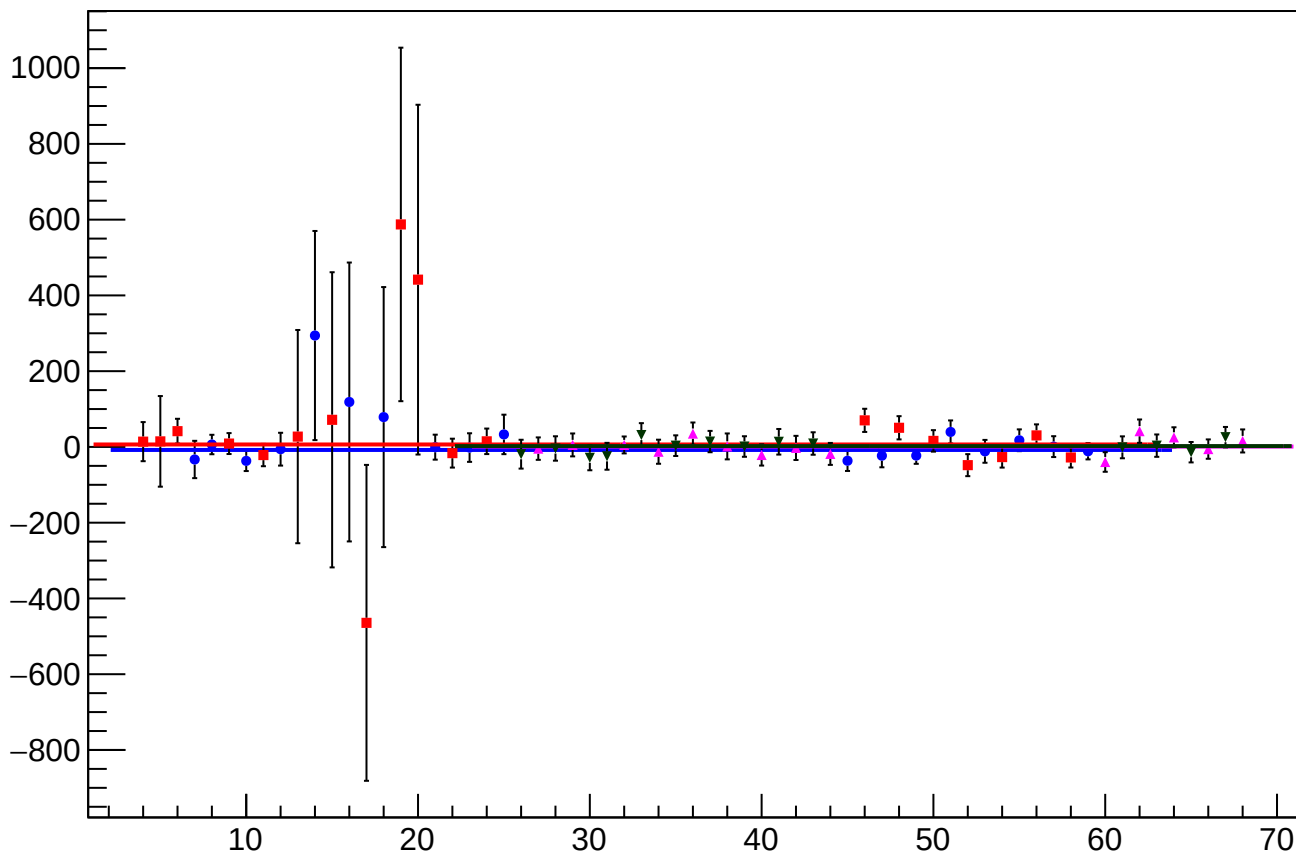
147.538 $\pm$ 0.025 χ^2 /NDF: 2293743.3/31

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

136.362 $\pm$ 0.024 χ^2 /NDF: 2897324.3/32

Left In: 123.383 $\pm$ 0.031 χ^2 /NDF: 609391.6/13

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs slug



Right In: -7.981 $\pm$ 7.603 χ^2 /NDF: 9.0/17

Left Out: 2.186 $\pm$ 8.043 χ^2 /NDF: 4.2/13

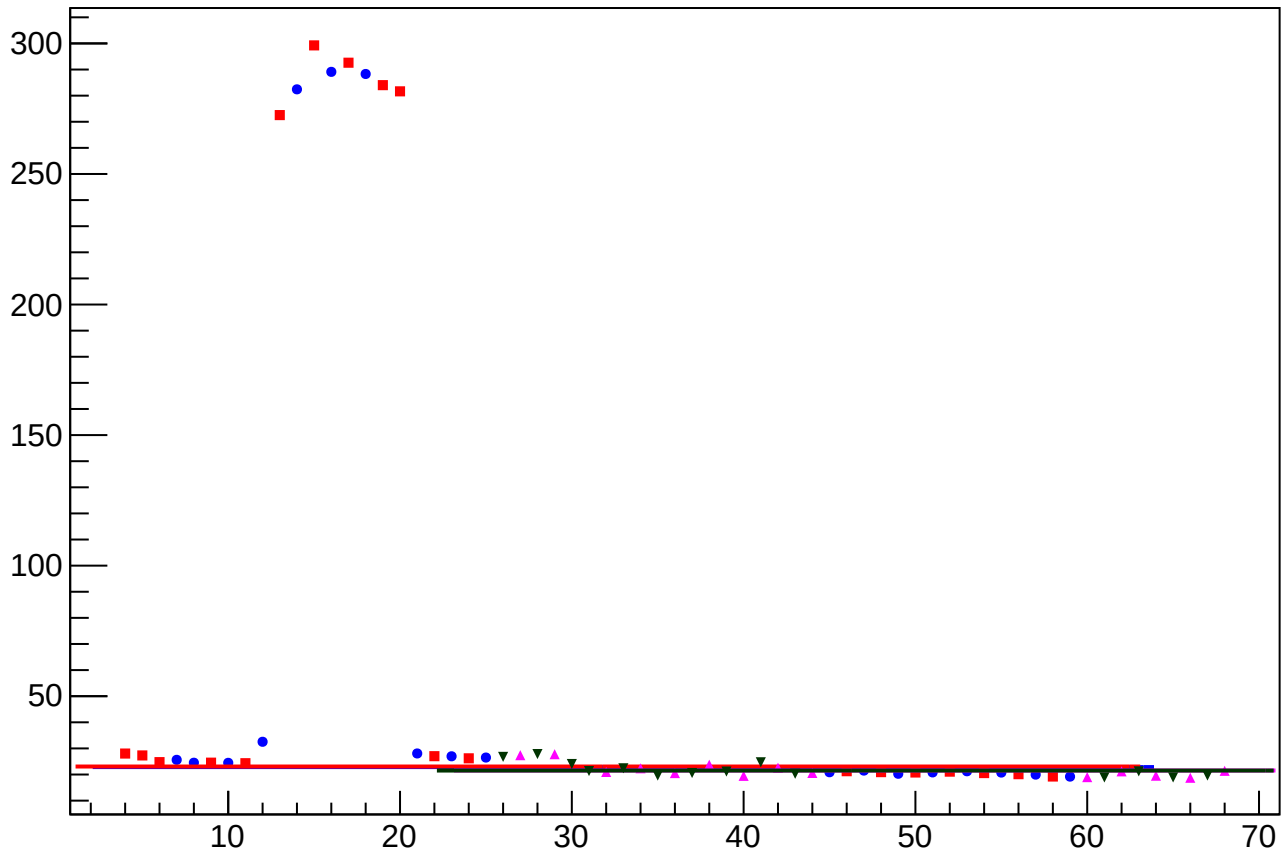
Right Out: 6.463 $\pm$ 8.479 χ^2 /NDF: 20.1/18

Left In: 0.975 $\pm$ 7.609 χ^2 /NDF: 8.1/13

-3.183 $\pm$ 5.525 χ^2 /NDF: 14.0/31

3.423 $\pm$ 5.663 χ^2 /NDF: 28.4/32

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: 21.523+/-0.006 χ^2/NDF : 207791.8/13

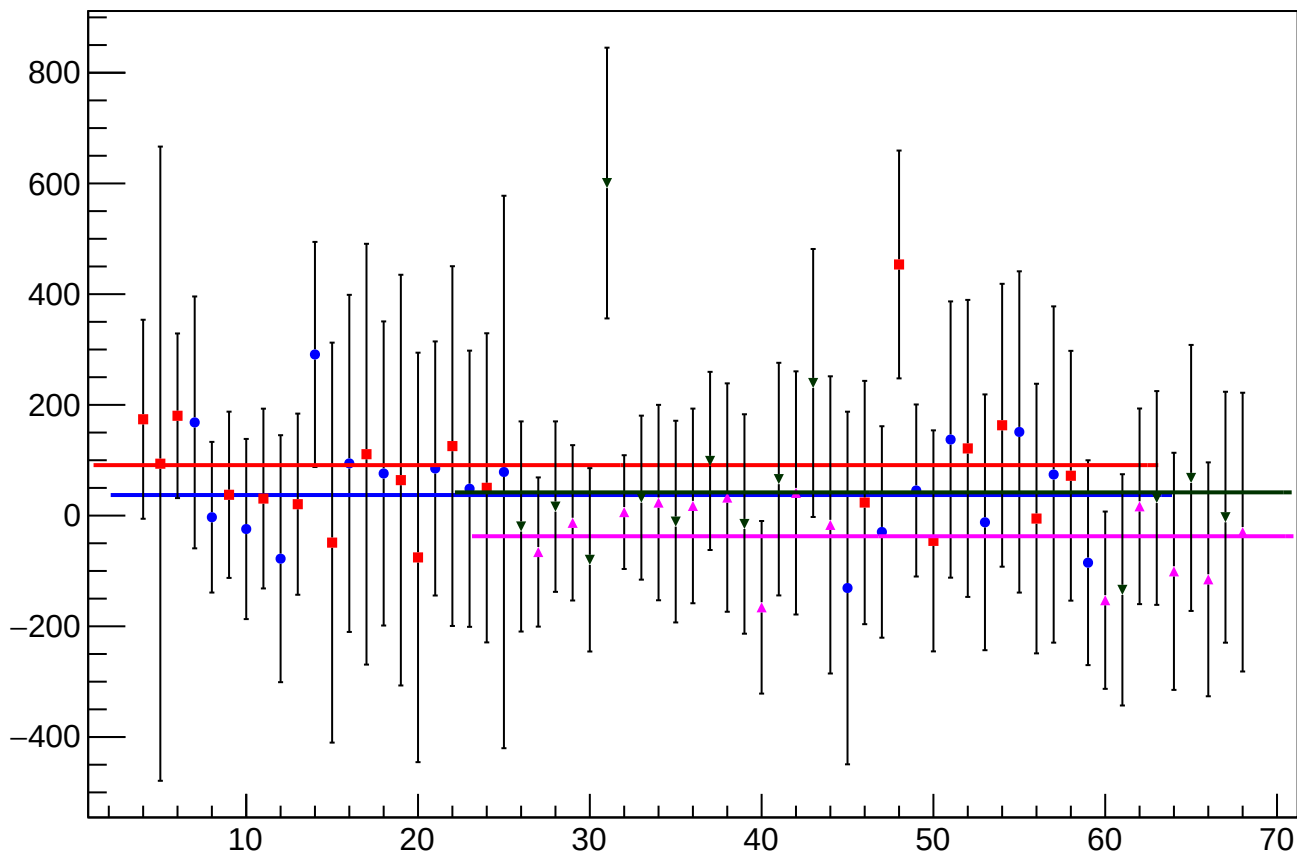
Right Out: 23.069+/-0.006 χ^2/NDF : 4856723.7/18

Left In: 21.543+/-0.005 χ^2/NDF : 246322.6/13

22.226+/-0.004 χ^2/NDF : 4600221.5/31

22.223+/-0.004 χ^2/NDF : 5138933.3/32

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: 41.964+/-50.692 χ^2/NDF : 7.6/13

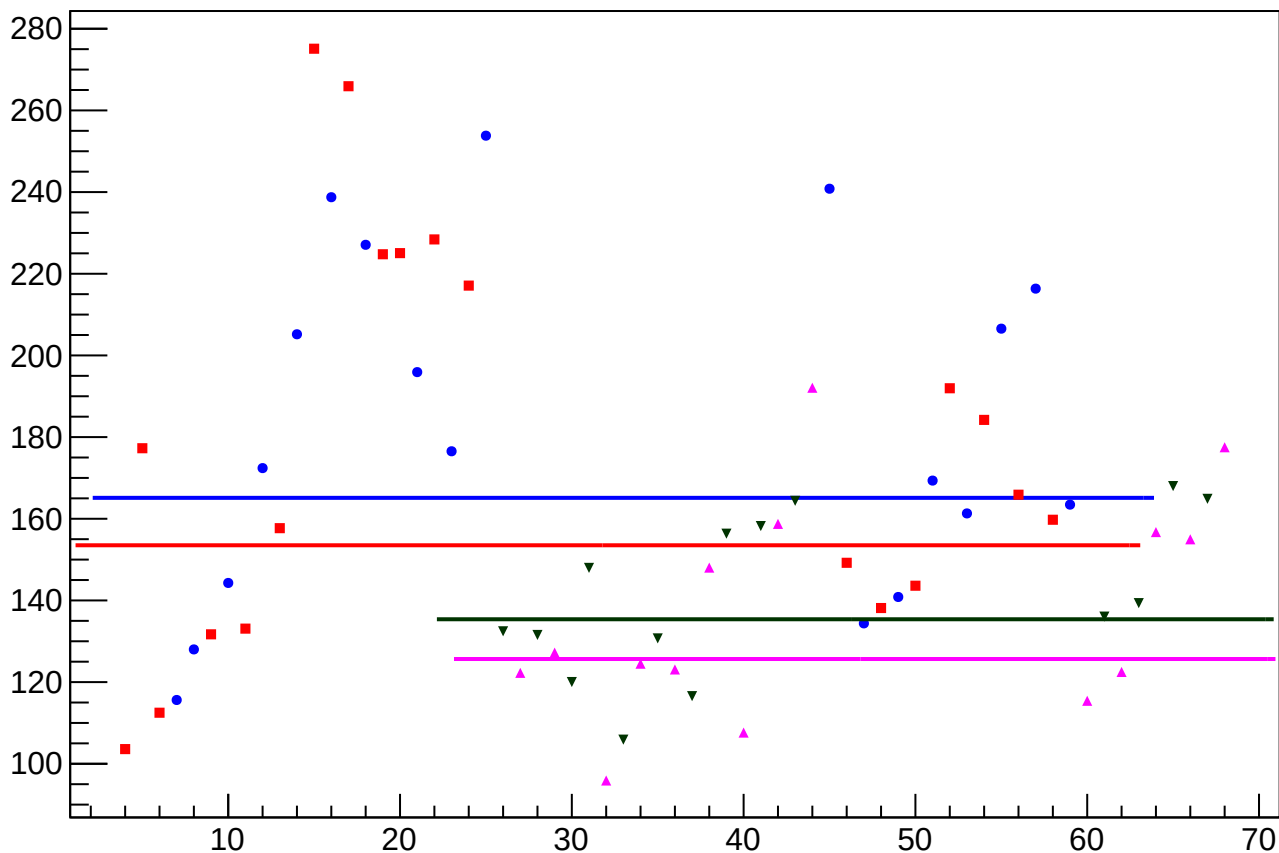
Right Out: 91.157+/-50.934 χ^2/NDF : 5.3/18

Left In: -37.292+/-44.933 χ^2/NDF : 2.2/13

39.575+/-35.966 χ^2/NDF : 11.3/31

18.924+/-33.695 χ^2/NDF : 11.2/32

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: 135.390+/-0.036 χ^2/NDF : 278423.8/13

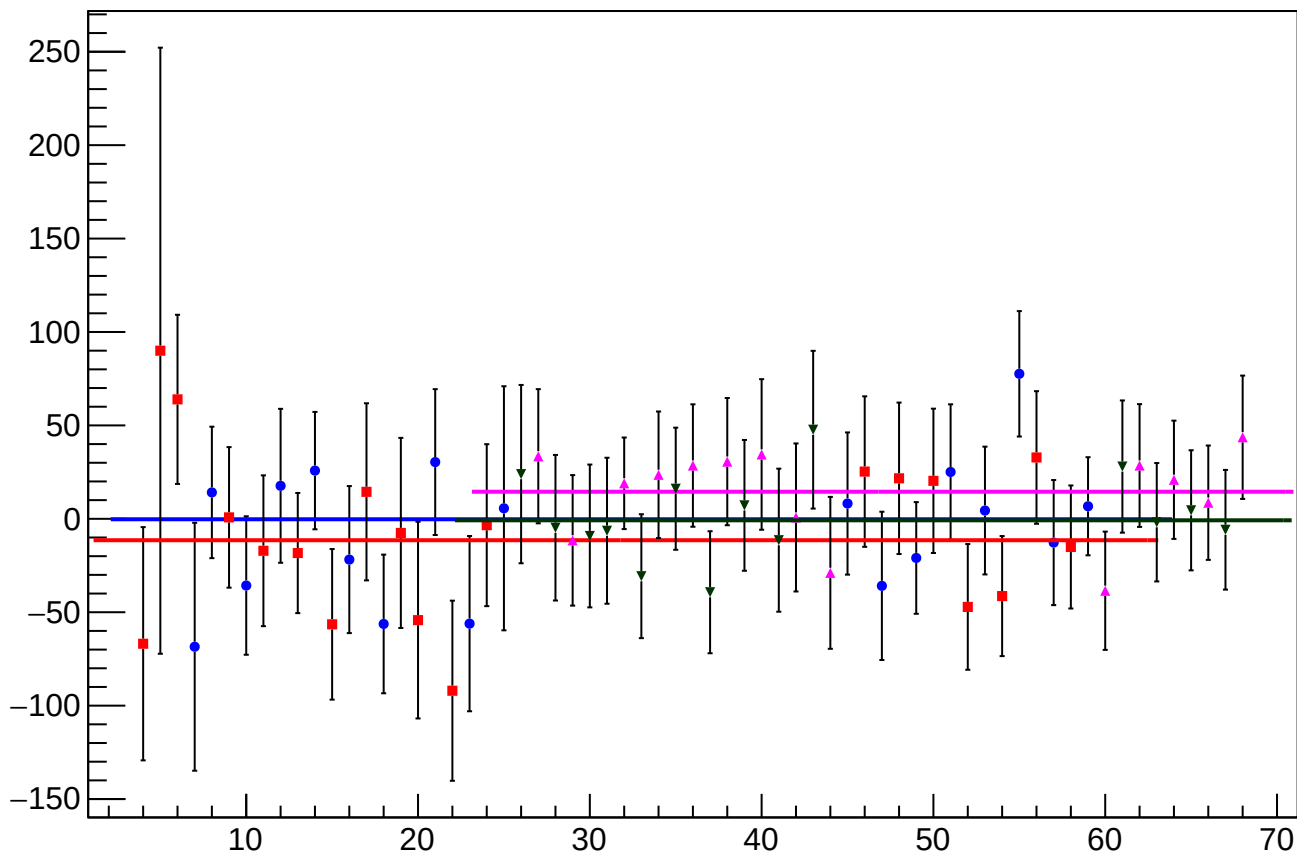
150.156+/-0.025 χ^2/NDF : 1610817.6/31

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

137.846+/-0.024 χ^2/NDF : 2137071.5/32

Left In: 125.657+/-0.032 χ^2/NDF : 562157.0/13

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: -0.796 ± 9.527 $\chi^2/\text{NDF}: 5.0/13$

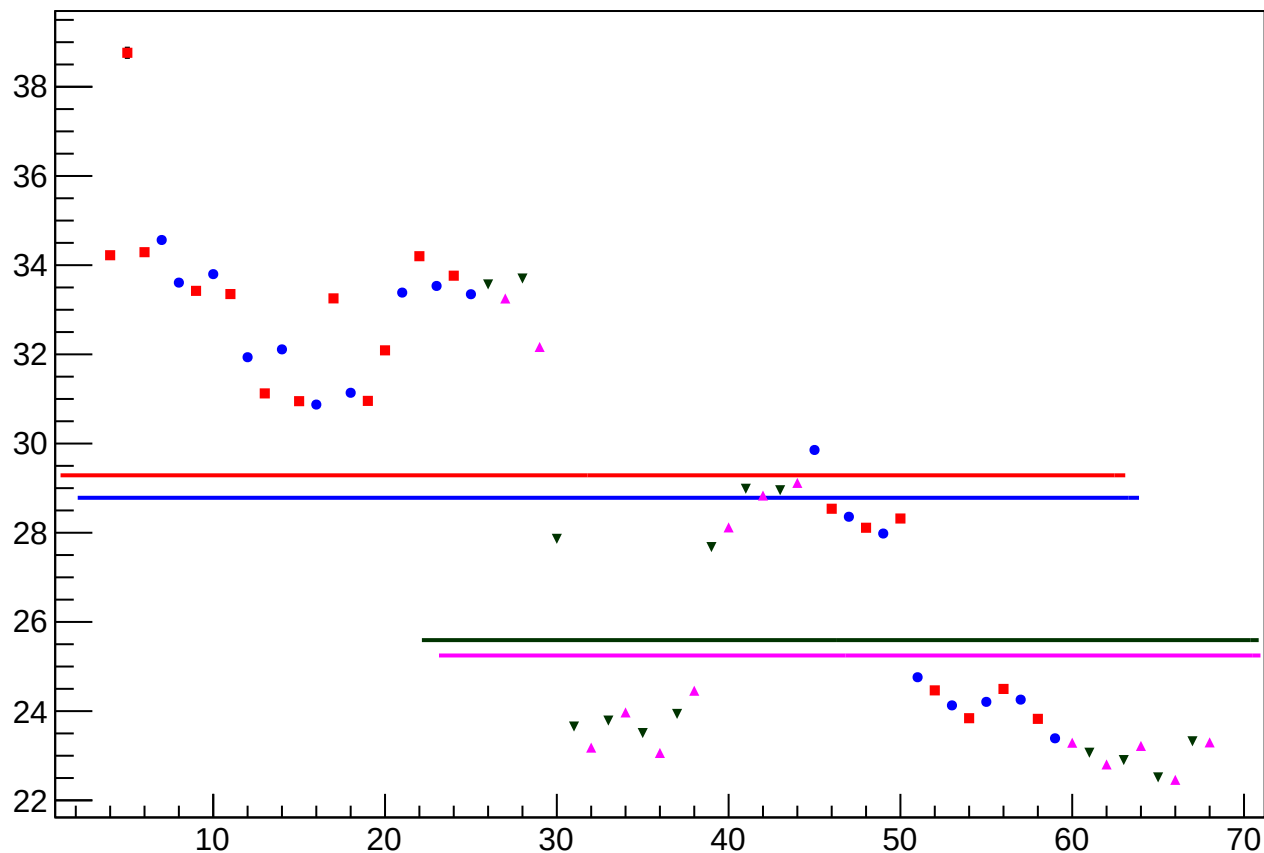
Right Out: -11.462 ± 9.405 $\chi^2/\text{NDF}: 14.9/18$

Left In: 14.498 ± 8.876 $\chi^2/\text{NDF}: 6.7/13$

-0.490 ± 6.402 $\chi^2/\text{NDF}: 20.1/31$

2.268 ± 6.455 $\chi^2/\text{NDF}: 25.6/32$

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs slug



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

Left Out: 25.592 ± 0.007 χ^2/NDF : 262132.5/13

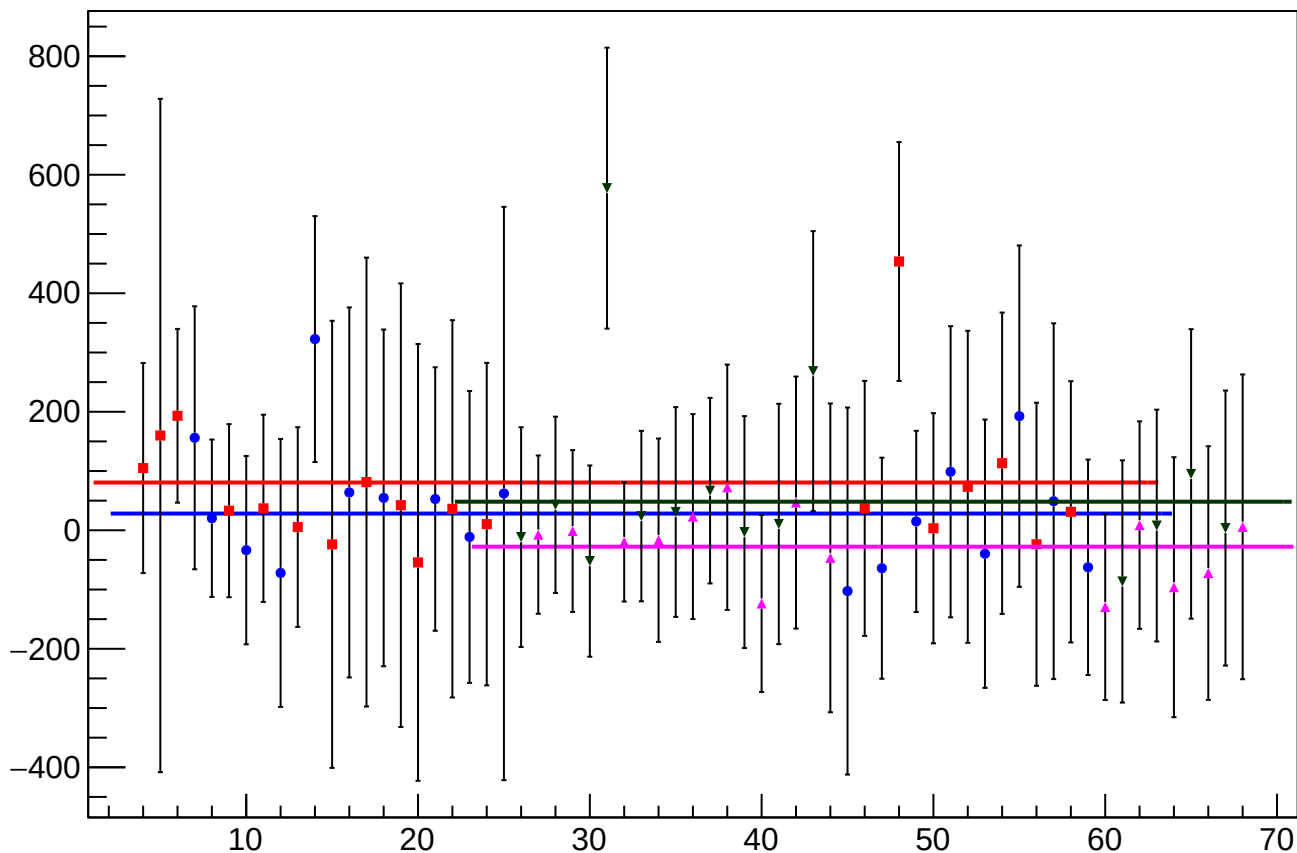
Right Out: 29.288 ± 0.007 χ^2/NDF : 355757.4/18

Left In: 25.248 ± 0.006 χ^2/NDF : 300039.2/13

27.342 ± 0.005 χ^2/NDF : 803718.1/31

27.151 ± 0.005 χ^2/NDF : 850979.7/32

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: 48.239+/-49.674 χ^2/NDF : 7.0/13

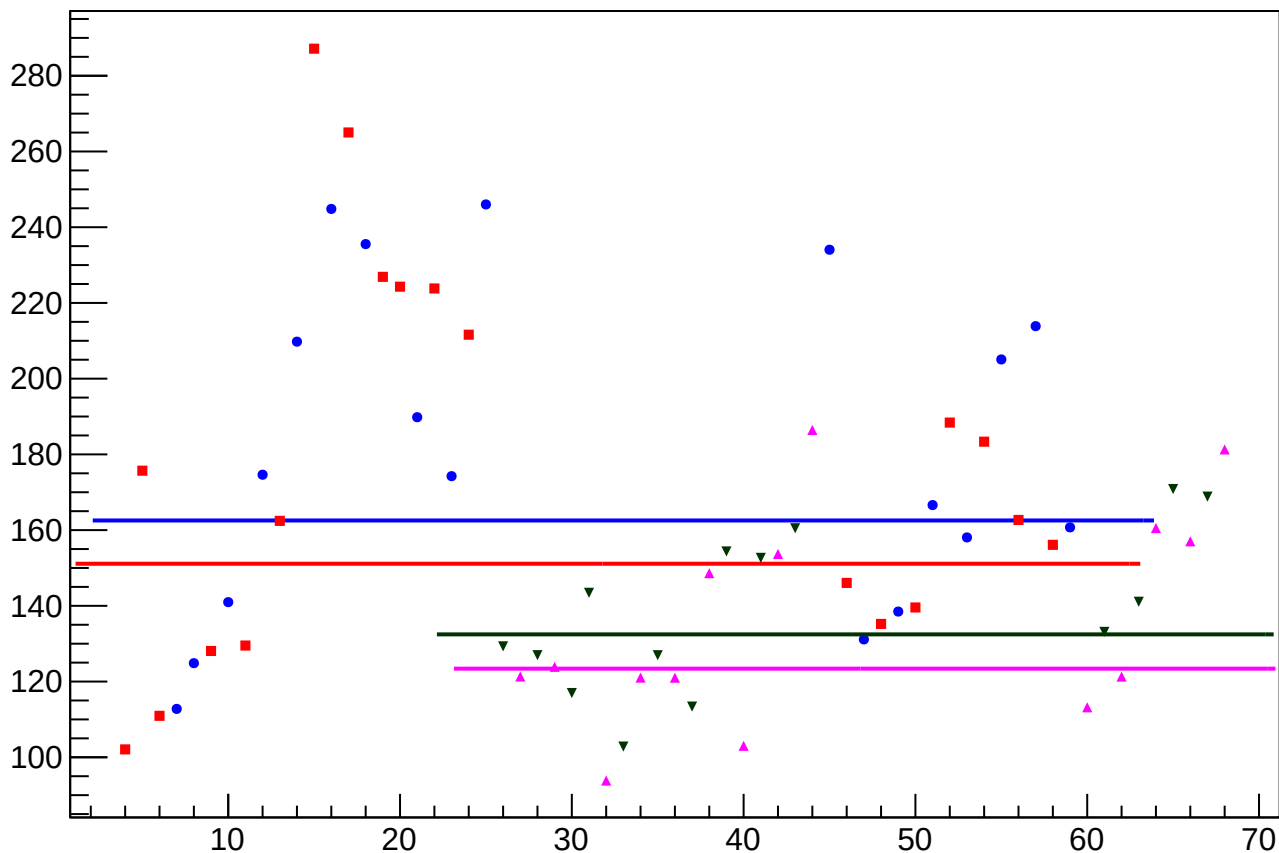
Right Out: 80.614+/-50.242 χ^2/NDF : 5.2/18

Left In: -27.695+/-44.199 χ^2/NDF : 1.6/13

38.368+/-35.363 χ^2/NDF : 11.1/31

19.557+/-33.185 χ^2/NDF : 9.4/32

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs slug



Right In: 162.548+/-0.036 χ^2/NDF : 1089314.8/17

Left Out: 132.460+/-0.035 χ^2/NDF : 317991.4/13

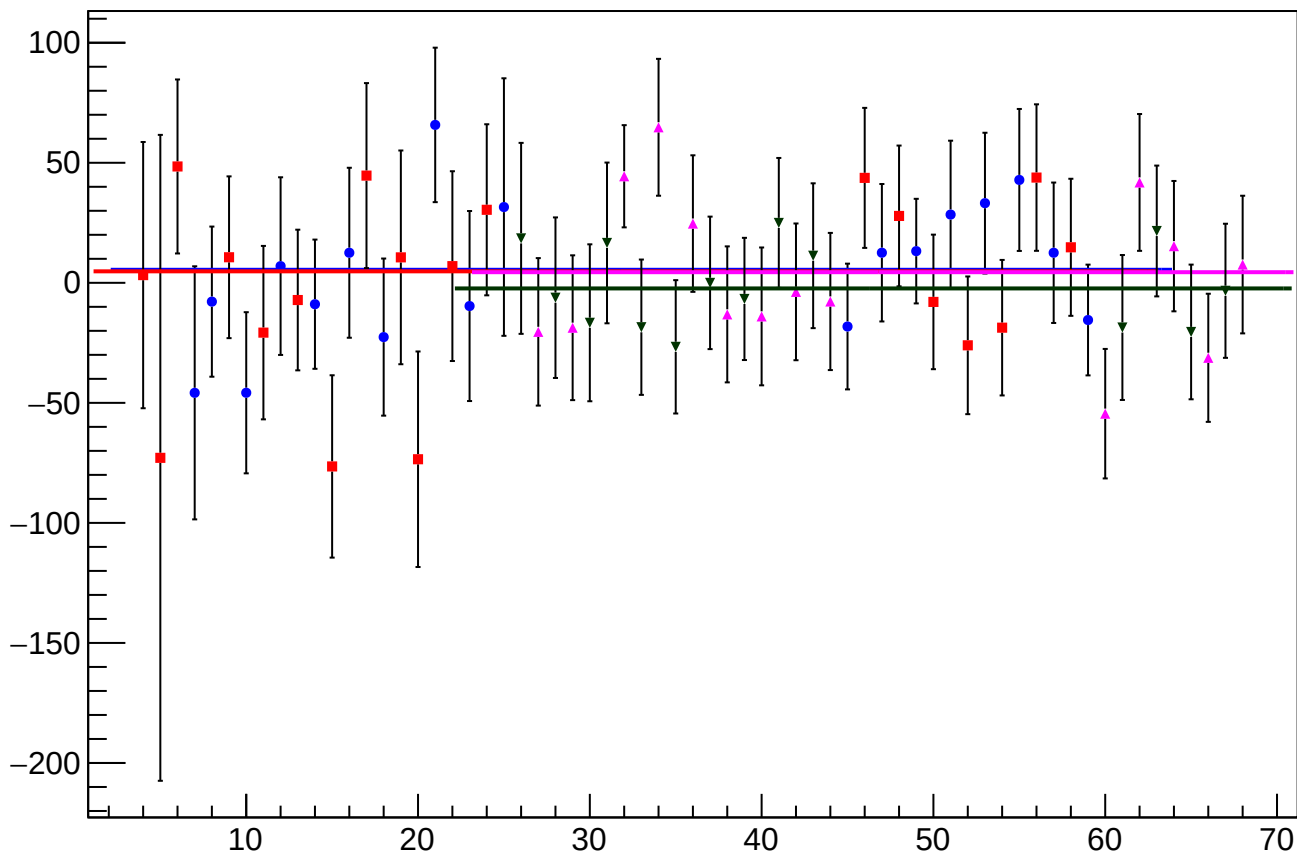
147.300+/-0.025 χ^2/NDF : 1769207.7/31

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

135.499+/-0.023 χ^2/NDF : 2264575.5/32

Left In: 123.412+/-0.031 χ^2/NDF : 615283.7/13

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs slug



Right In: 5.427 ± 7.205 $\chi^2/\text{NDF}: 13.4/17$

Left Out: -2.339 ± 7.849 $\chi^2/\text{NDF}: 4.6/13$

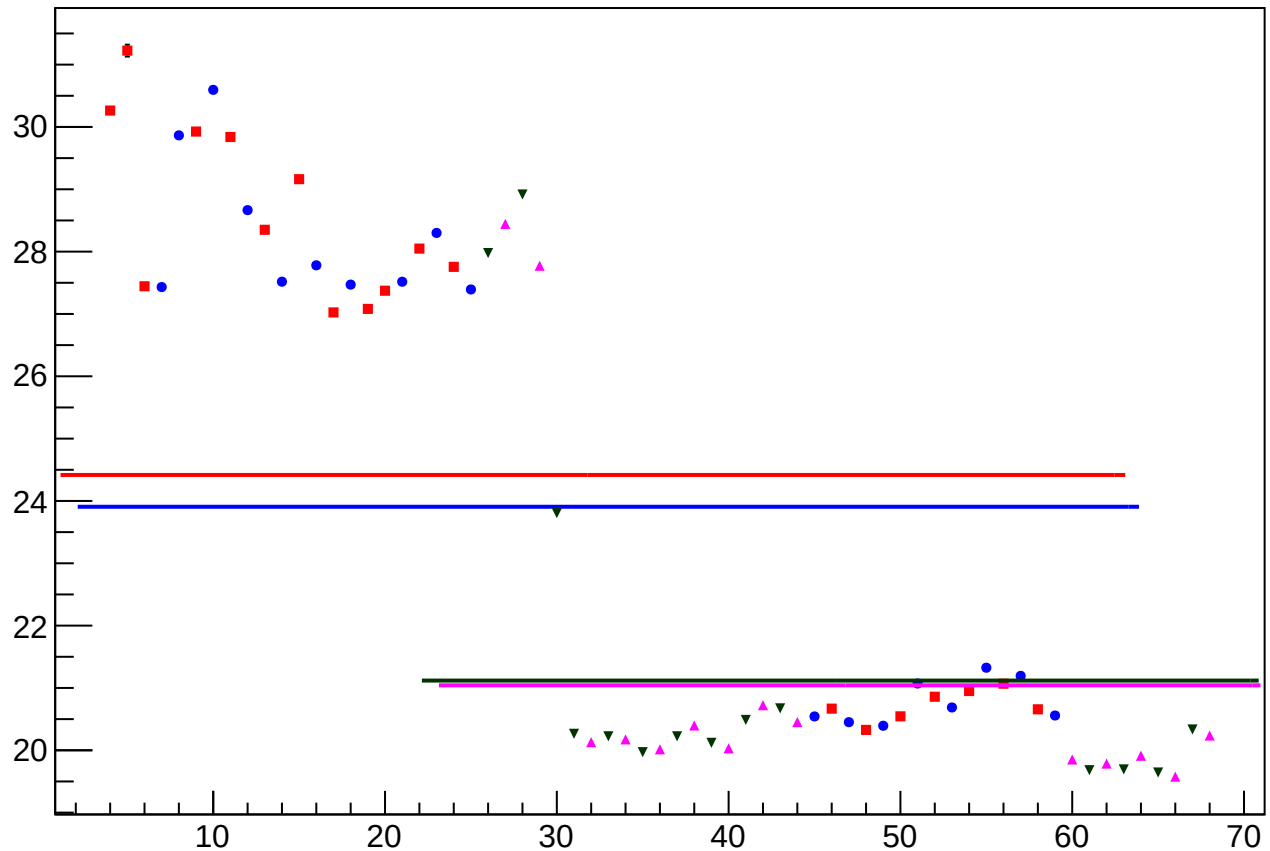
Right Out: 4.784 ± 7.872 $\chi^2/\text{NDF}: 17.9/18$

Left In: 4.425 ± 7.385 $\chi^2/\text{NDF}: 19.3/13$

1.876 ± 5.308 $\chi^2/\text{NDF}: 18.5/31$

4.593 ± 5.386 $\chi^2/\text{NDF}: 37.2/32$

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: 21.118 $\pm$ 0.006 χ^2 /NDF: 212317.6/13

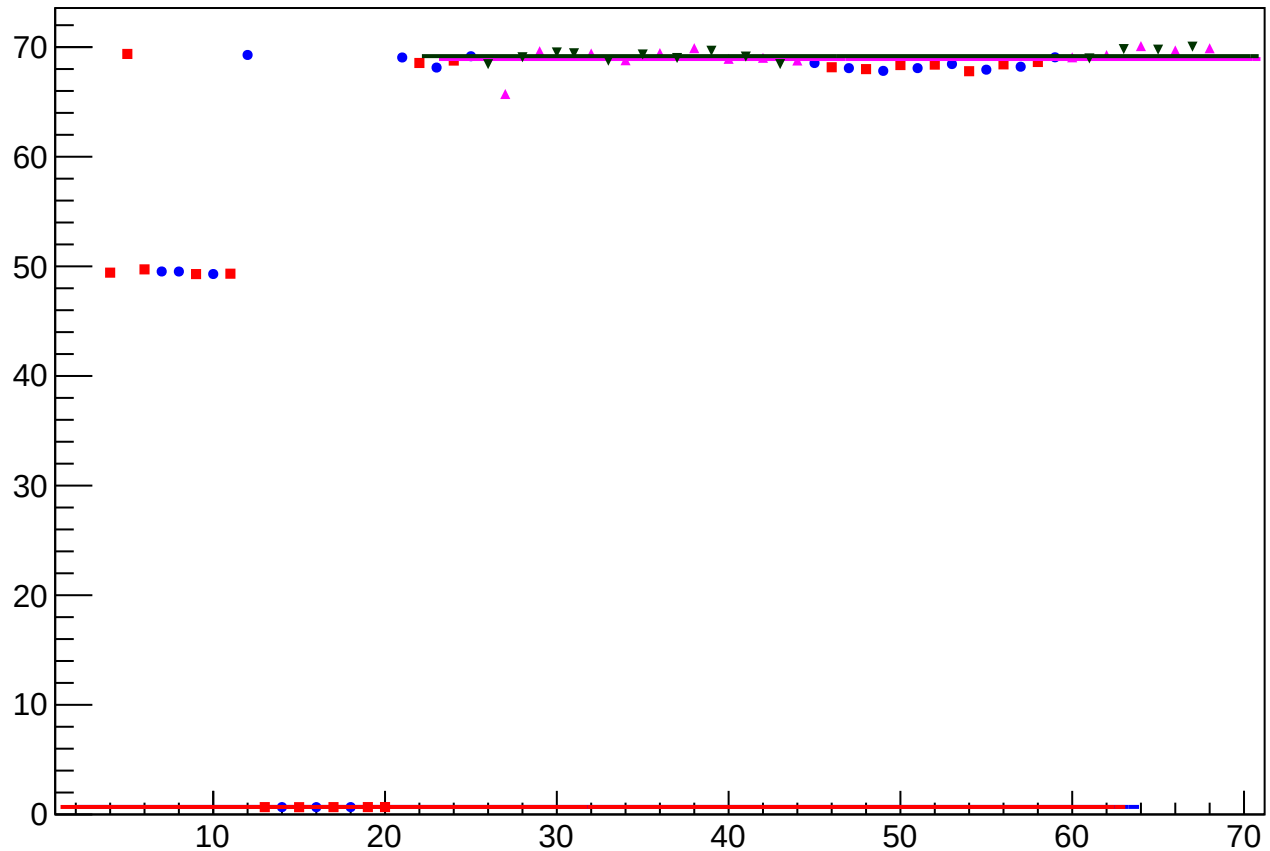
22.632 $\pm$ 0.004 χ^2 /NDF: 915198.7/31

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

22.622 $\pm$ 0.004 χ^2 /NDF: 939330.0/32

Left In: 21.042 $\pm$ 0.005 χ^2 /NDF: 247356.7/13

yield_bcm_an_ds_mean vs slug



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

Left Out: 69.178 ± 0.000 χ^2/NDF : 38315205.5/13

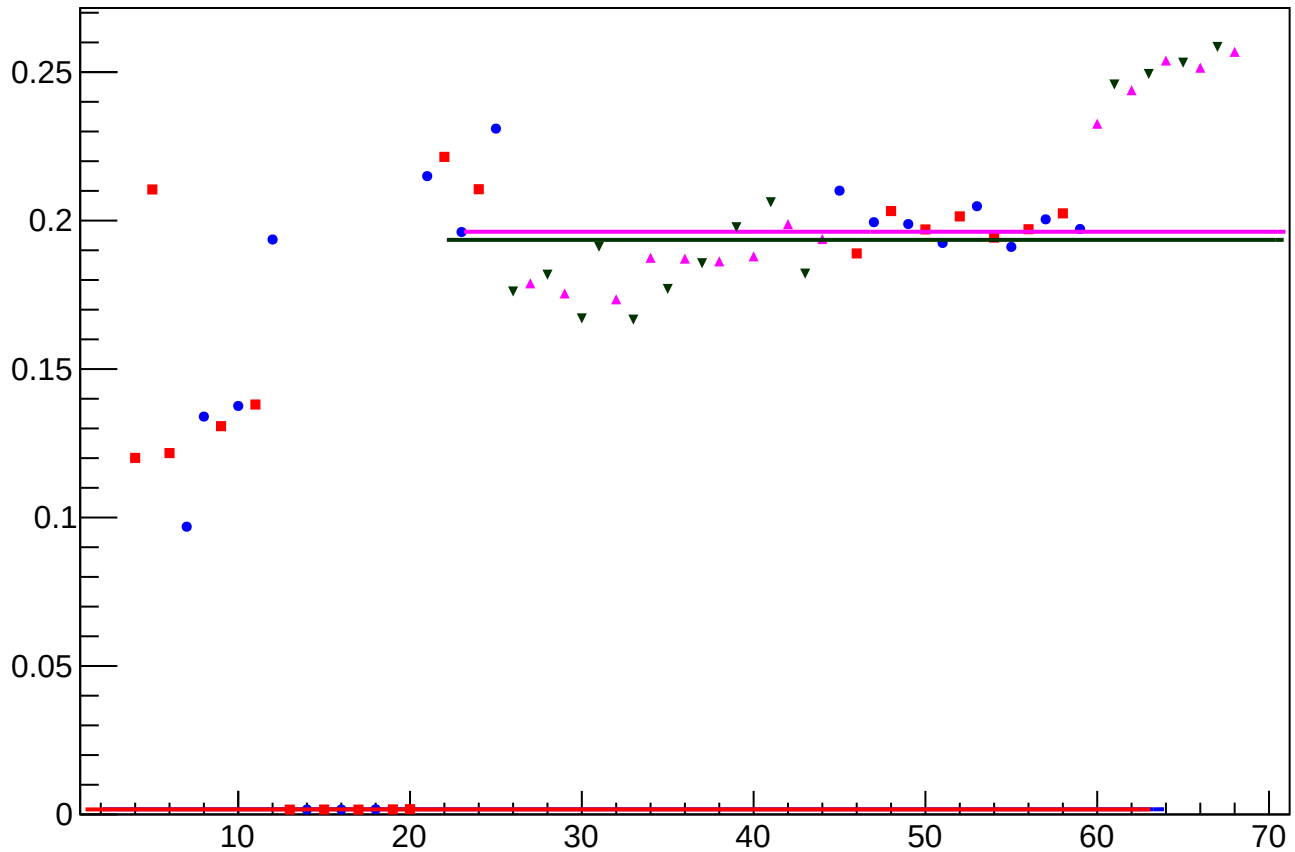
0.703 ± 0.000 χ^2/NDF : 1912057101594.4/31

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

0.698 ± 0.000 χ^2/NDF : 1795890176513.1/32

Left In: 68.914 ± 0.000 χ^2/NDF : 324711373.9/13

yield_bcm_an_ds_rms vs slug



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

Left Out: 0.194 $\pm$ 0.000 χ^2 /NDF:295446.1/13

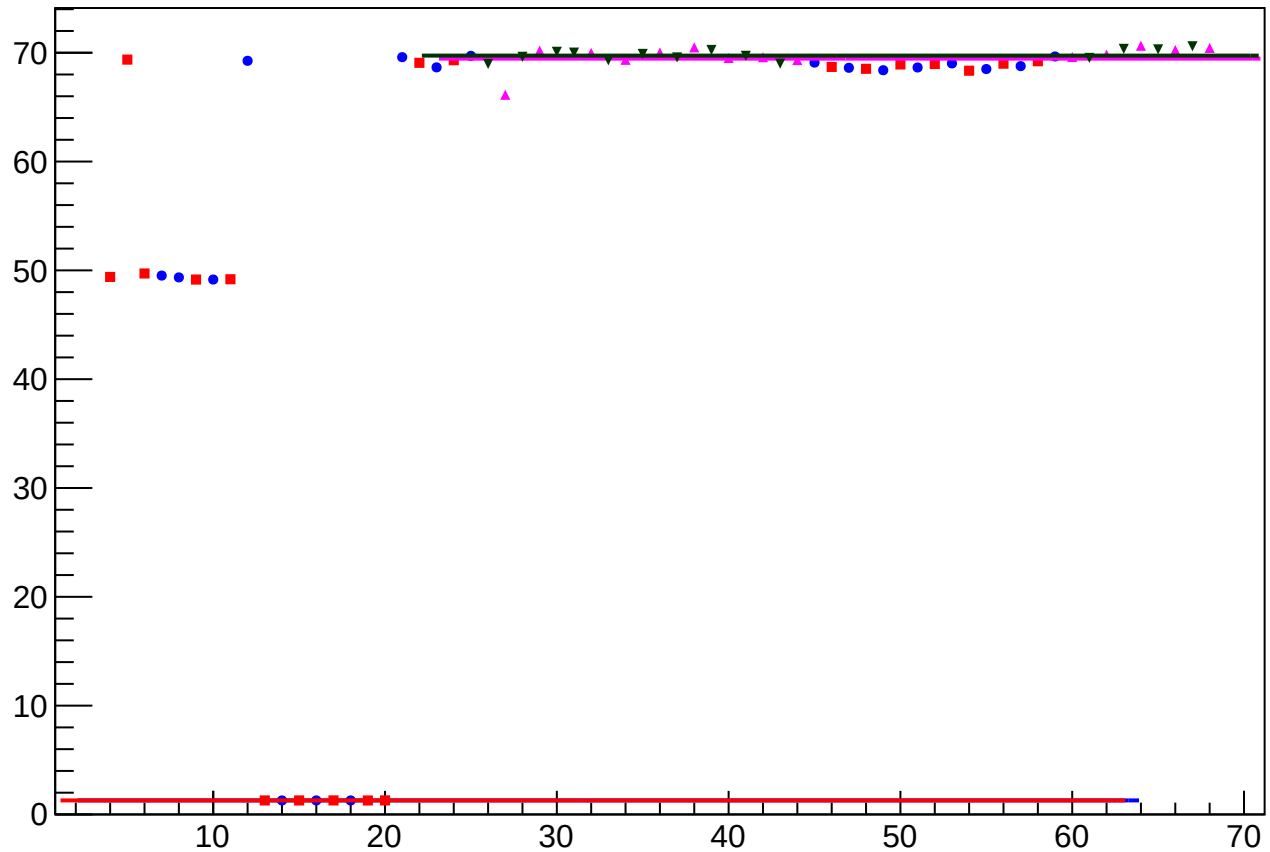
0.002 $\pm$ 0.000 χ^2 /NDF: 30912100.2/31

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

0.002 $\pm$ 0.000 χ^2 /NDF: 29253859.0/32

Left In: 0.196 $\pm$ 0.000 χ^2 /NDF:301348.1/13

yield_bcm_an_ds3_mean vs slug



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

Left Out: 69.735 ± 0.000 χ^2/NDF : 38140434.3/13

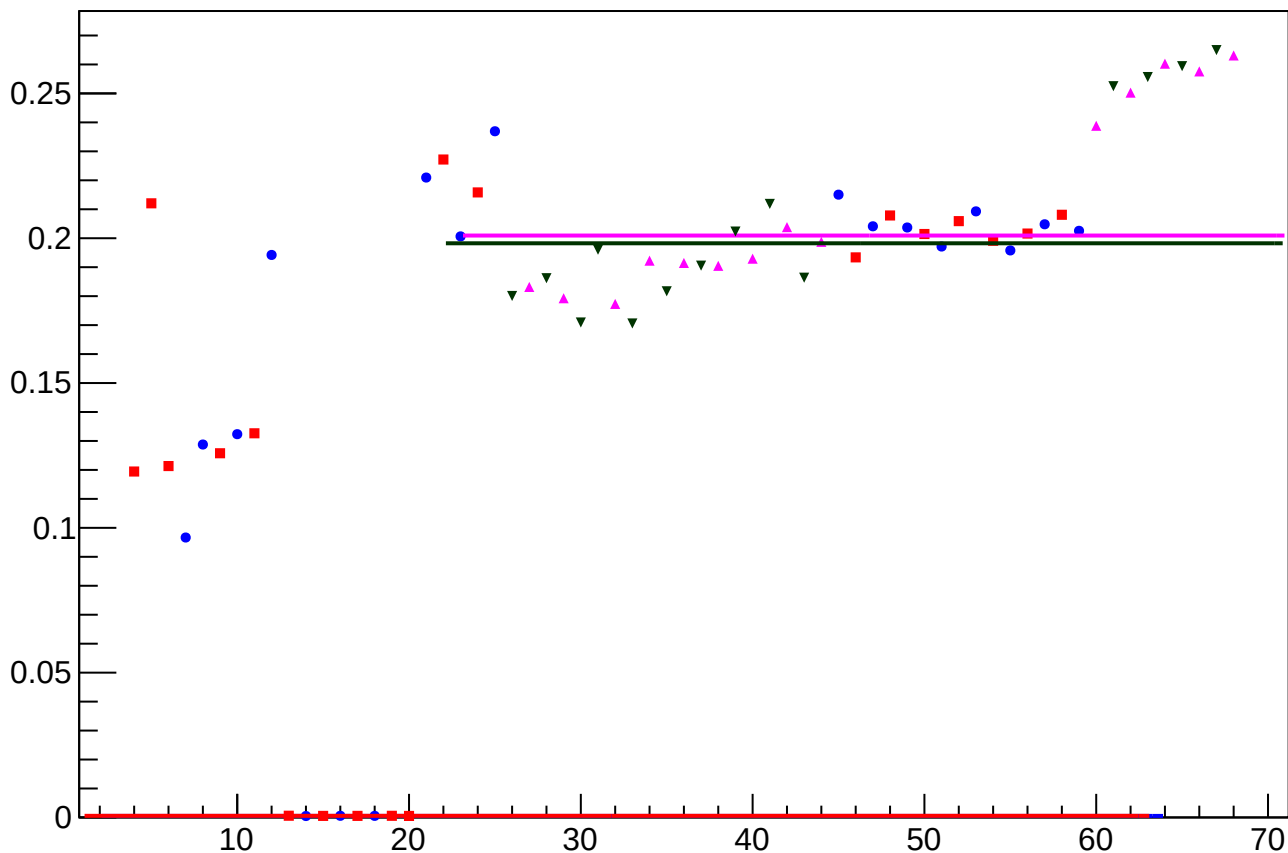
1.292 ± 0.000 χ^2/NDF : 1842539613502.1/31

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

1.292 ± 0.000 χ^2/NDF : 1731197546531.6/32

Left In: 69.457 ± 0.000 χ^2/NDF : 333498414.3/13

yield_bcm_an_ds3_rms vs slug



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

Left Out: 0.198+/-0.000 χ^2/NDF :297845.7/13

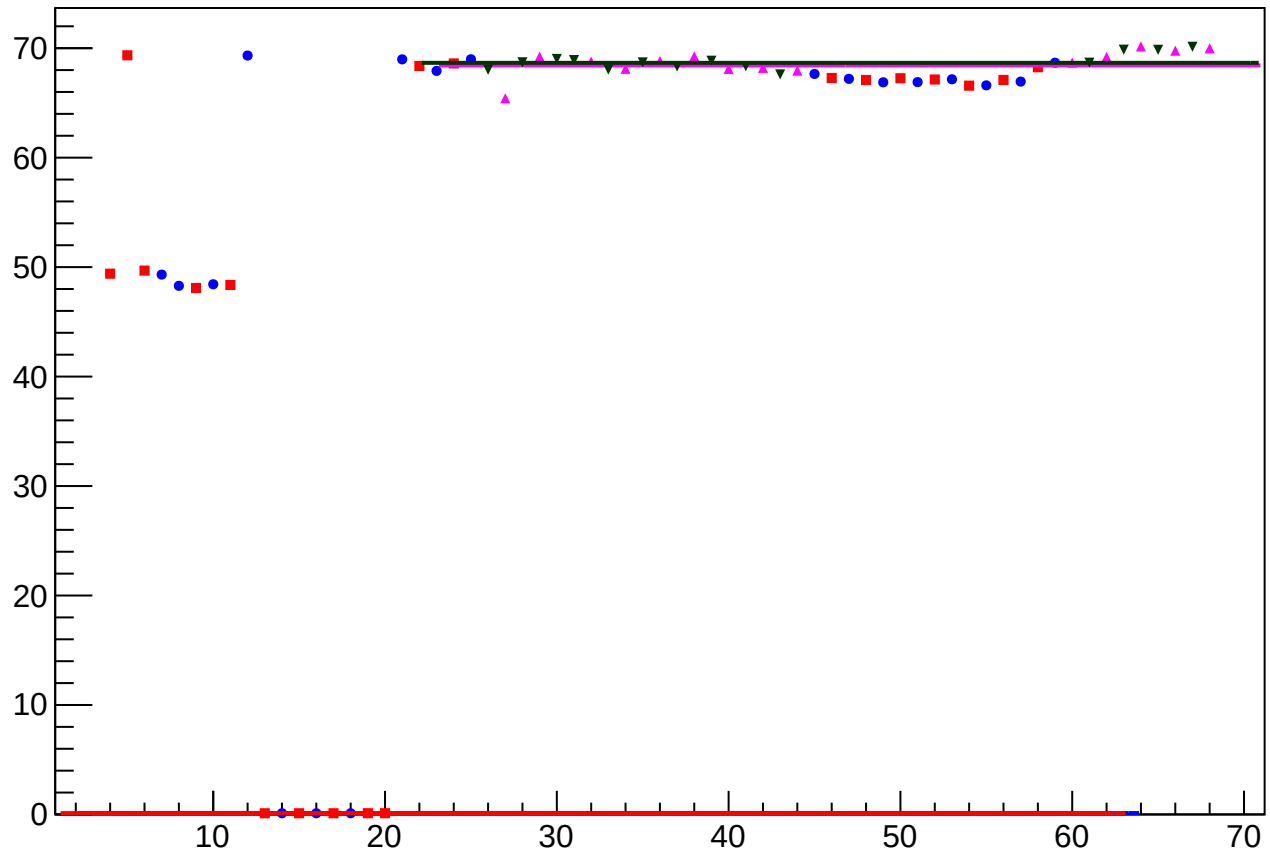
Right Out: 0.001+/-0.000 χ^2/NDF : 13695888.0/18

Left In: 0.201+/-0.000 χ^2/NDF :305217.1/13

0.001+/-0.000 χ^2/NDF : 31334036.8/31

0.001+/-0.000 χ^2/NDF : 29623472.4/32

yield_bcm_an_us_mean vs slug



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

Left Out: 68.662+/-0.000 χ^2/NDF : 75004281.4/13

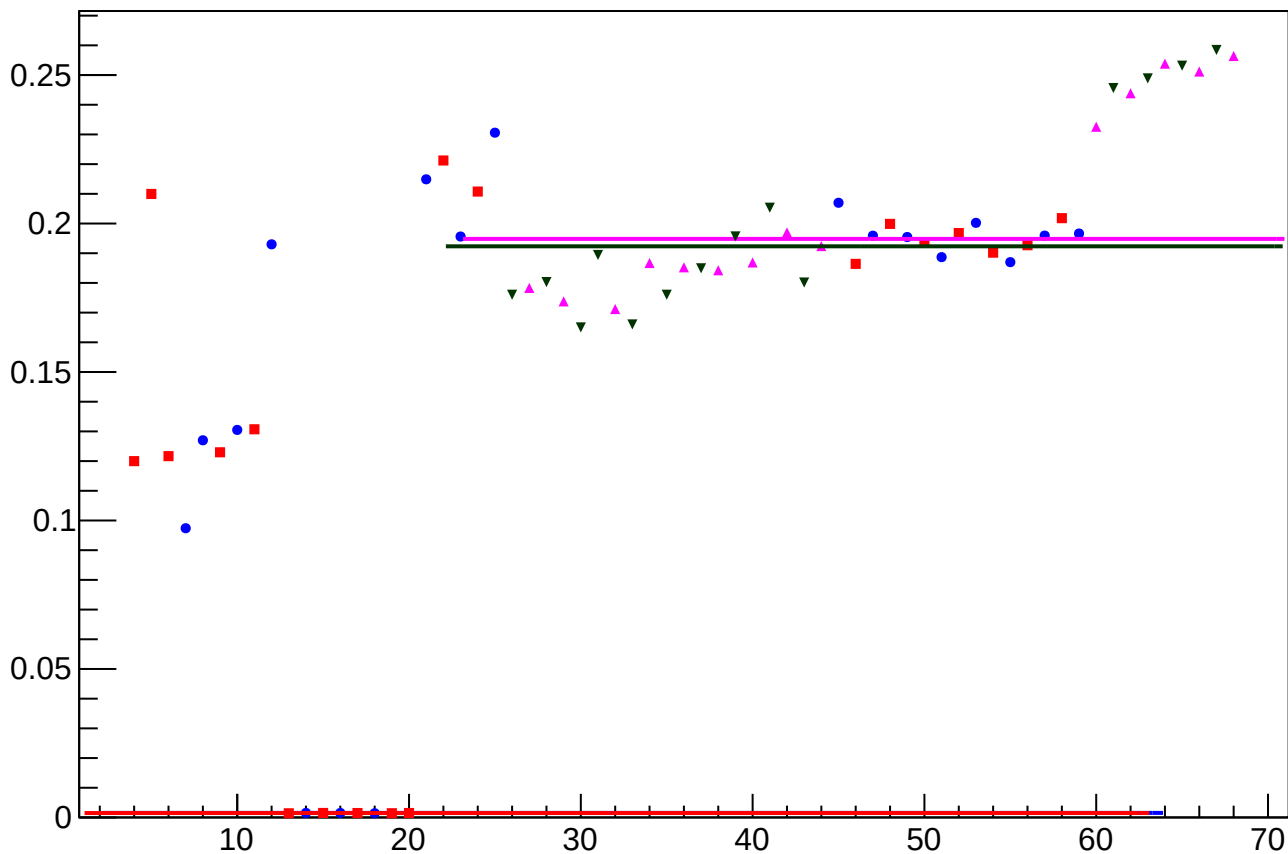
0.139+/-0.000 χ^2/NDF : 1955647430243.7/31

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

0.133+/-0.000 χ^2/NDF : 1841444718434.1/32

Left In: 68.429+/-0.000 χ^2/NDF : 335188115.2/13

yield_bcm_an_us_rms vs slug



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

Left Out: 0.192+/-0.000 χ^2/NDF : 304027.7/13

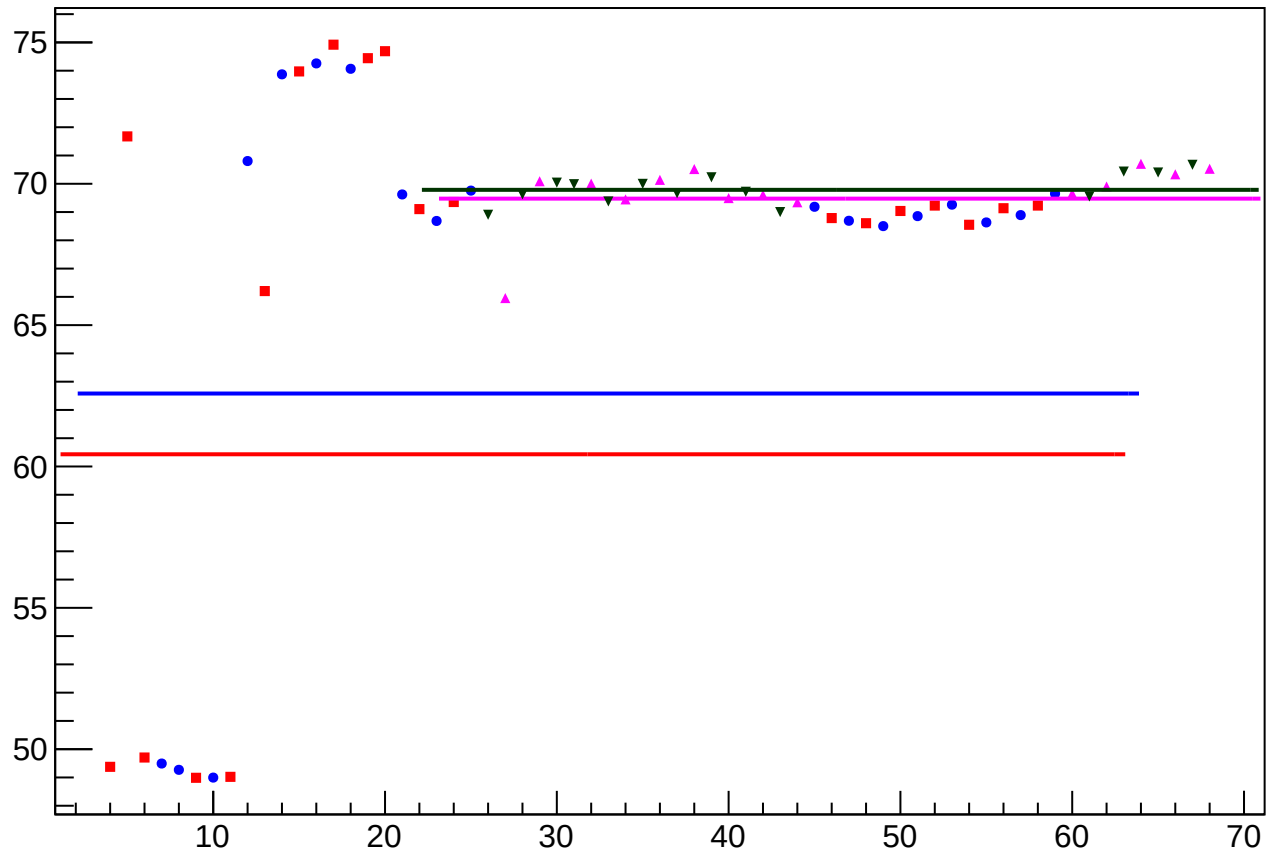
0.002+/-0.000 χ^2/NDF : 30949151.4/31

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

0.002+/-0.000 χ^2/NDF : 29308220.7/32

Left In: 0.195+/-0.000 χ^2/NDF : 315466.6/13

yield_bcm_dg_us_mean vs slug



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

Left Out: 69.786 ± 0.000 χ^2/NDF : 39765532.5/13

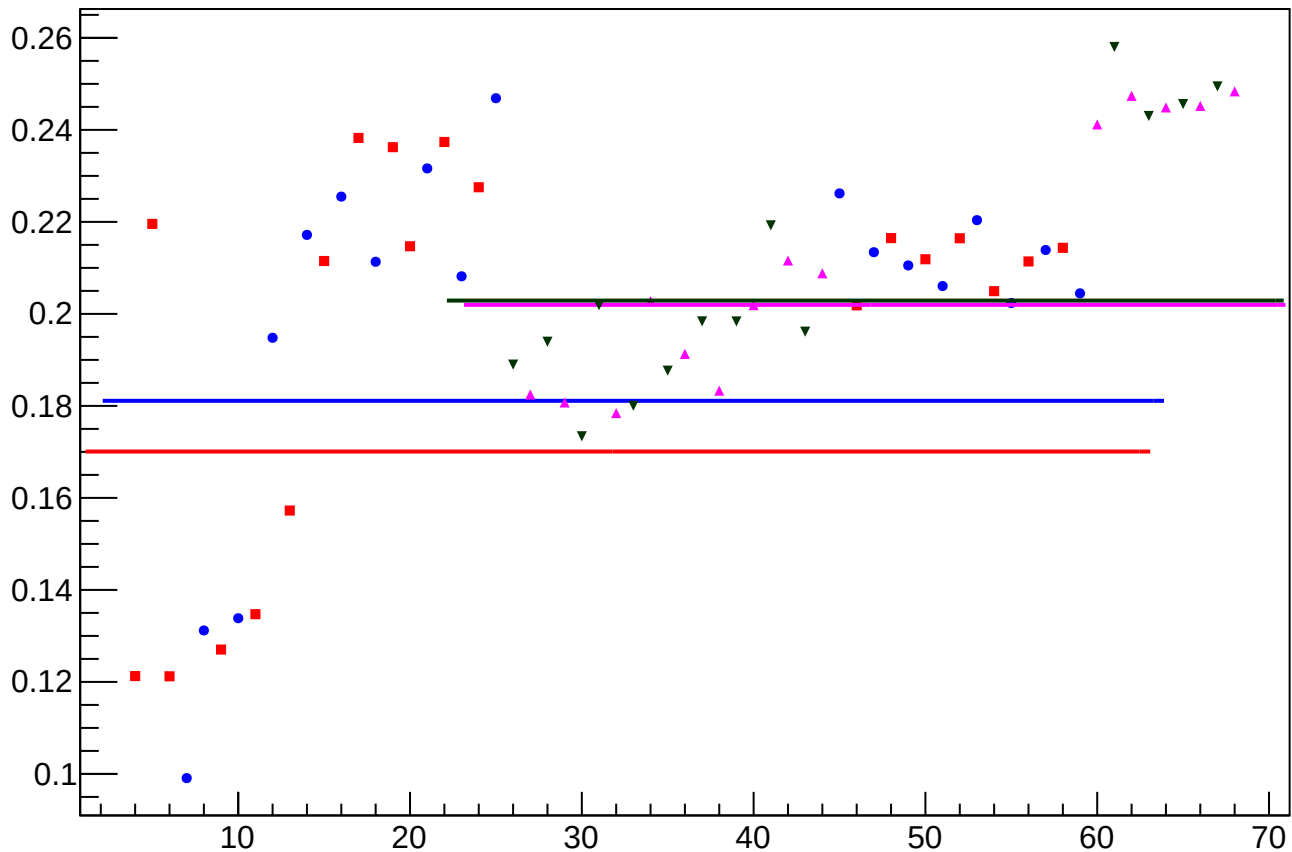
Right Out: 60.432 ± 0.000 χ^2/NDF : 32977972131.8/18

Left In: 69.474 ± 0.000 χ^2/NDF : 371723351.7/13

65.121 ± 0.000 χ^2/NDF : 39465145138.3/31

63.927 ± 0.000 χ^2/NDF : 43031069201.5/32

yield_bcm_dg_us_rms vs slug



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

Left Out: 0.203+/-0.000 χ^2/NDF : 201197.5/13

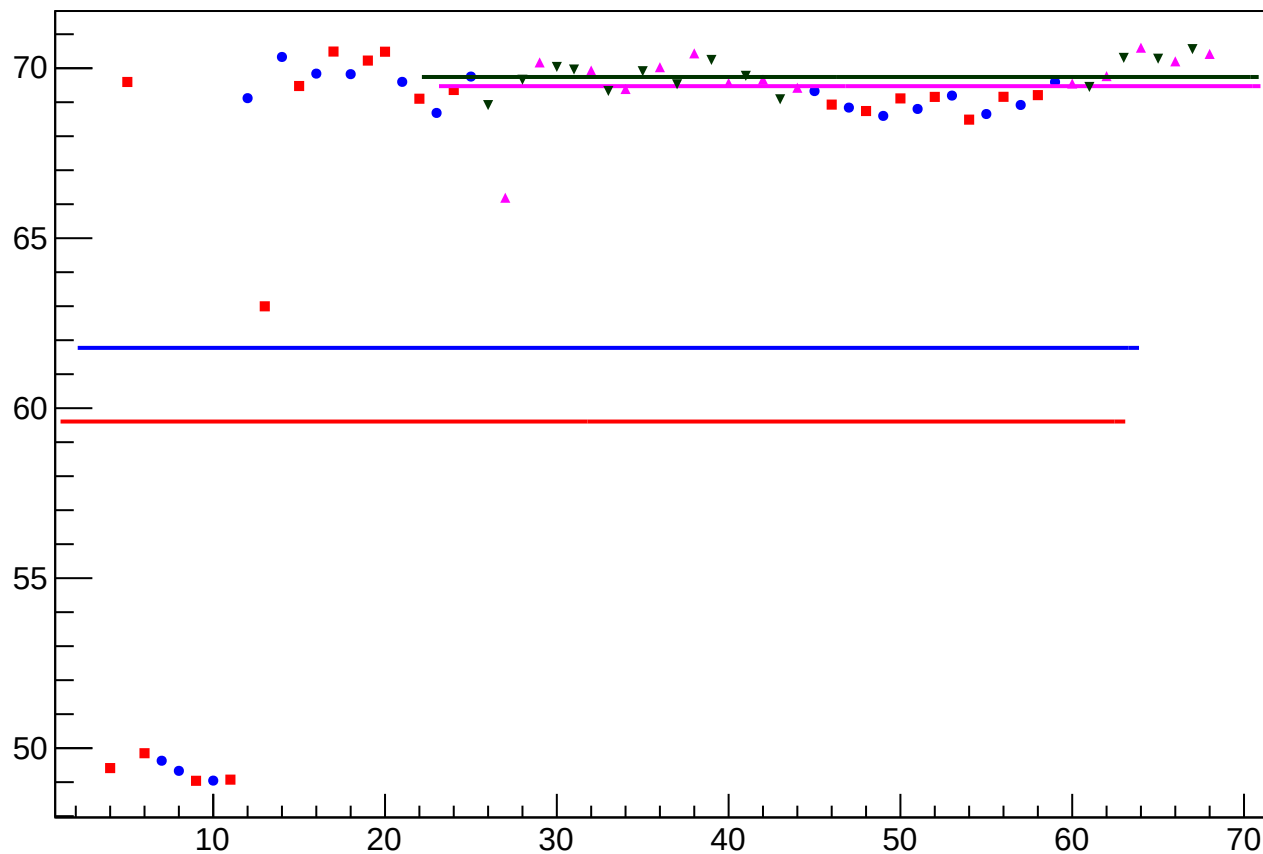
Right Out: 0.170+/-0.000 χ^2/NDF : 1183604.4/18

Left In: 0.202+/-0.000 χ^2/NDF : 248150.2/13

0.189+/-0.000 χ^2/NDF : 1522496.0/31

0.182+/-0.000 χ^2/NDF : 1672496.6/32

yield_bcm_dg_ds_mean vs slug



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

Left Out: 69.742+/-0.000 χ^2/NDF : 35404835.5/13

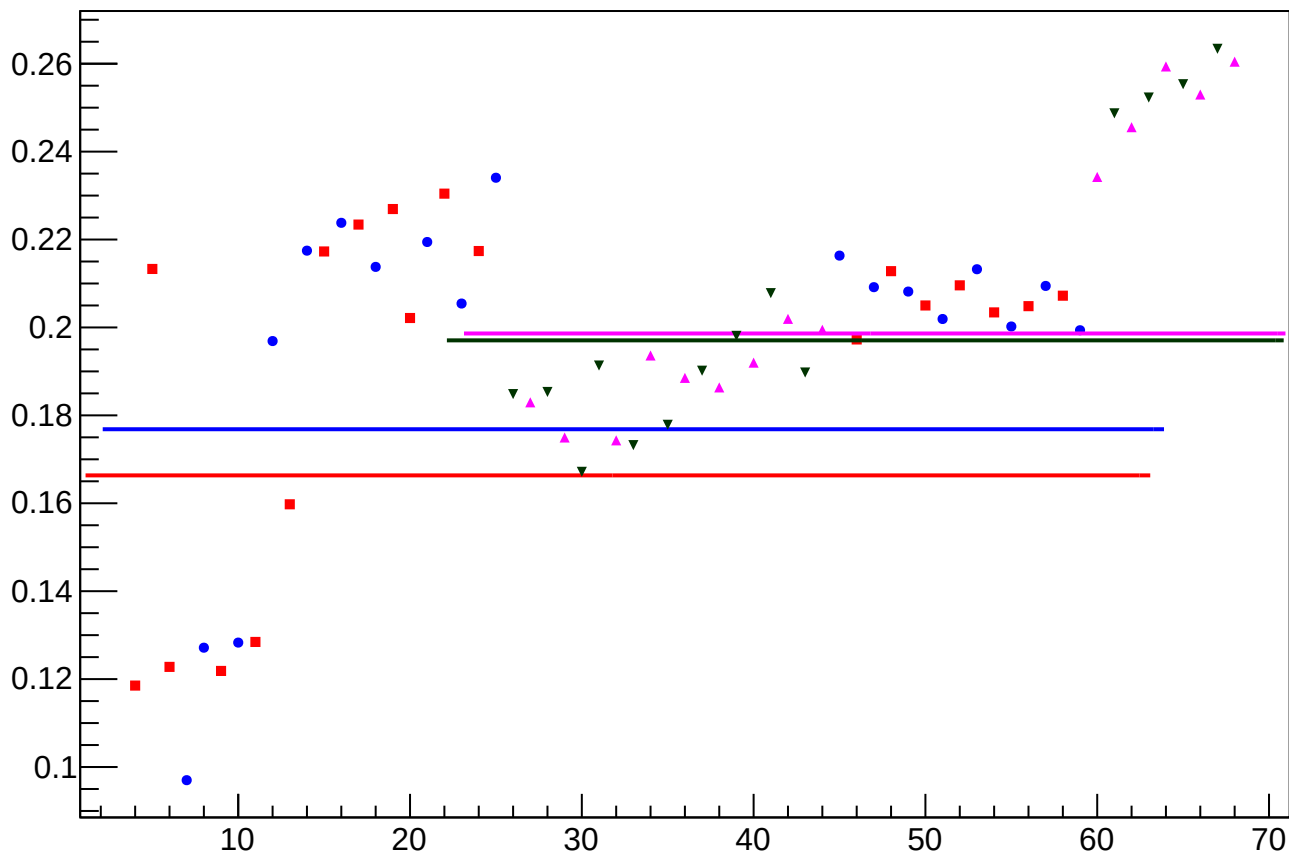
Right Out: 59.608+/-0.000 χ^2/NDF : 29547406430.8/18

Left In: 69.473+/-0.000 χ^2/NDF : 320966328.7/13

64.596+/-0.000 χ^2/NDF : 38393136414.7/31

63.387+/-0.000 χ^2/NDF : 41816818868.1/32

yield_bcm_dg_ds_rms vs slug



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

Left Out: 0.197 ± 0.000 χ^2/NDF : 282232.3/13

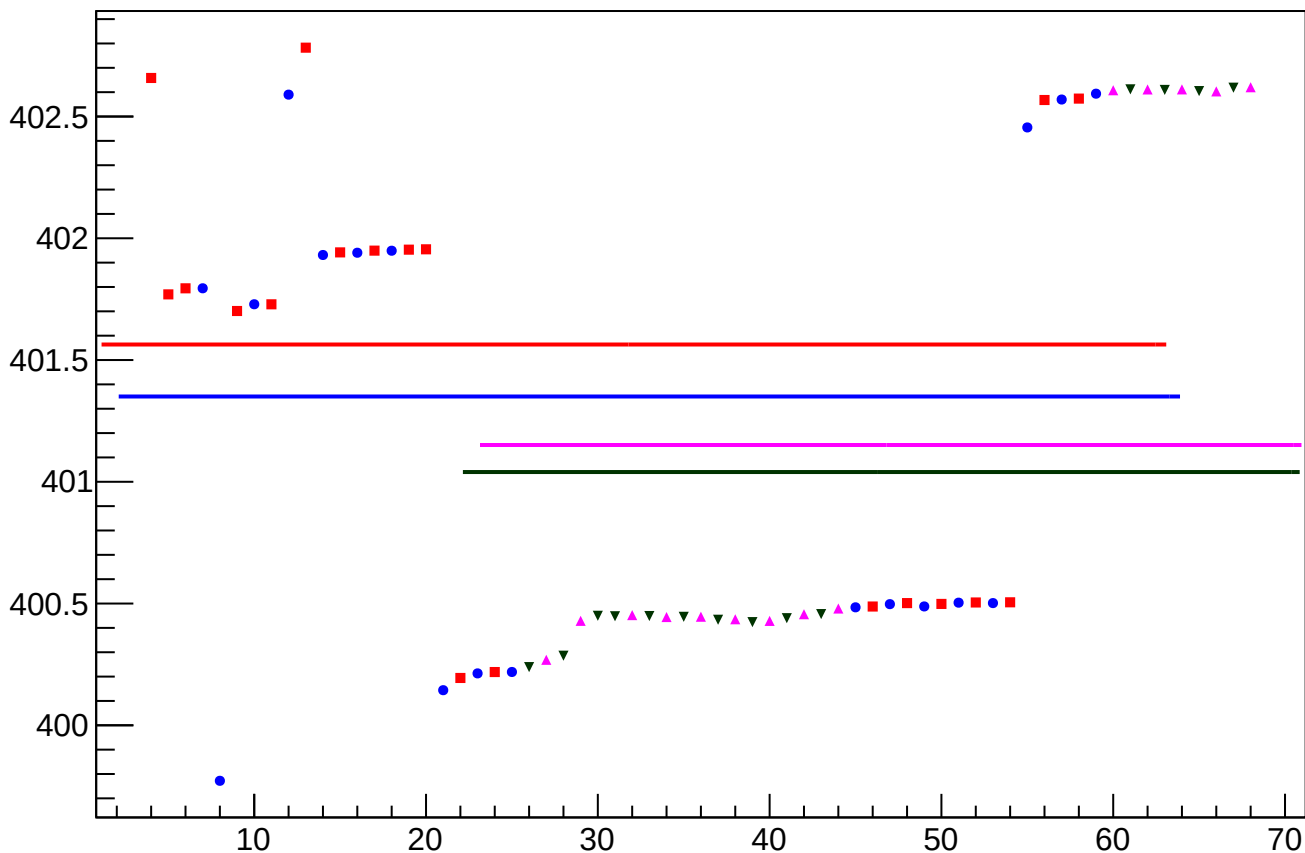
Right Out: 0.166 ± 0.000 χ^2/NDF : 1156468.8/18

Left In: 0.199 ± 0.000 χ^2/NDF : 307316.9/13

0.184 ± 0.000 χ^2/NDF : 1654064.9/31

0.179 ± 0.000 χ^2/NDF : 1719695.3/32

yield_cav4bQ_mean vs slug



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

Left Out: 401.040+/-0.000 χ^2/NDF : 163186165084.4/13

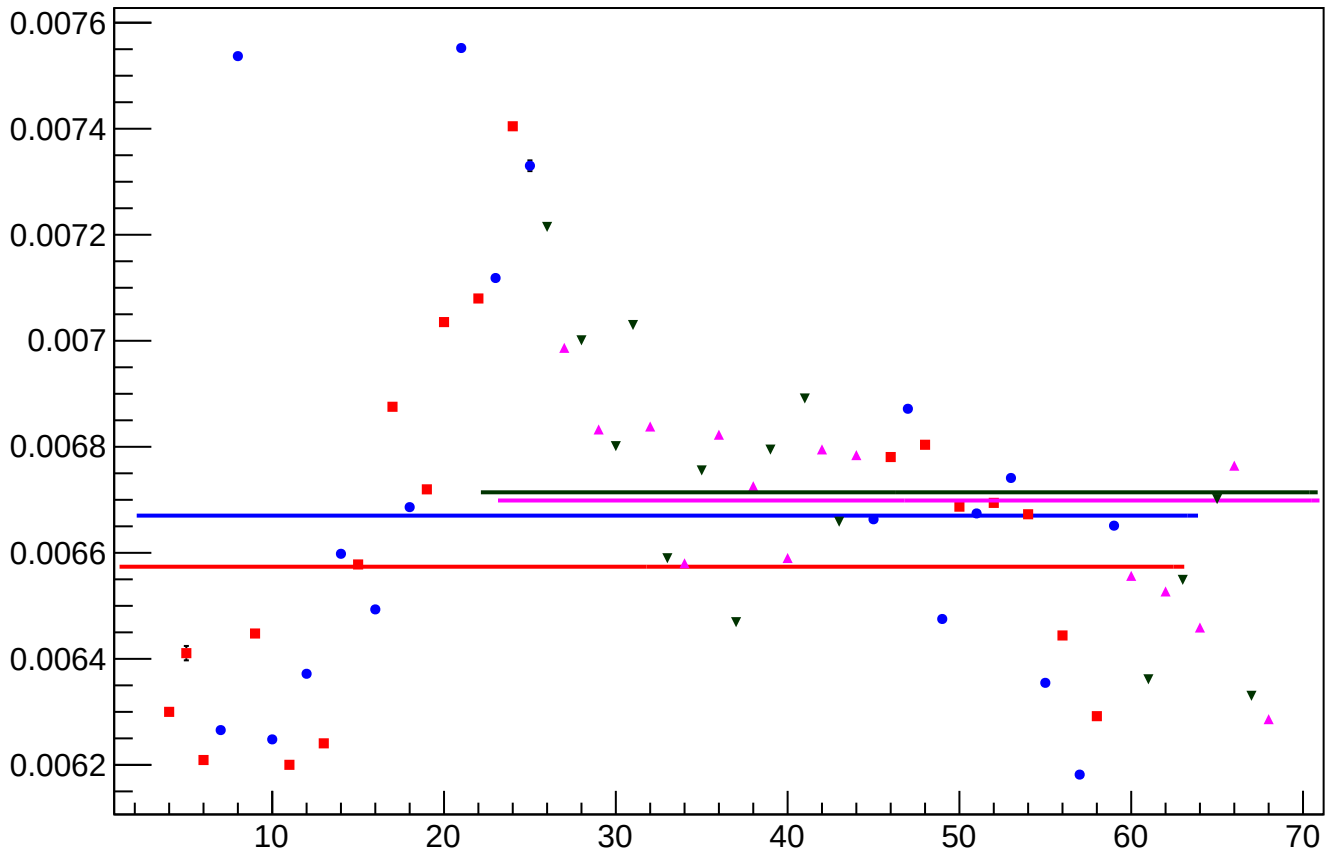
Right Out: 401.564+/-0.000 χ^2/NDF : 183973928948.5/18

Left In: 401.151+/-0.000 χ^2/NDF : 196307196060.1/13

401.228+/-0.000 χ^2/NDF : 407799511382.2/31

401.381+/-0.000 χ^2/NDF : 397693170433.3/32

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 :19043.5/13

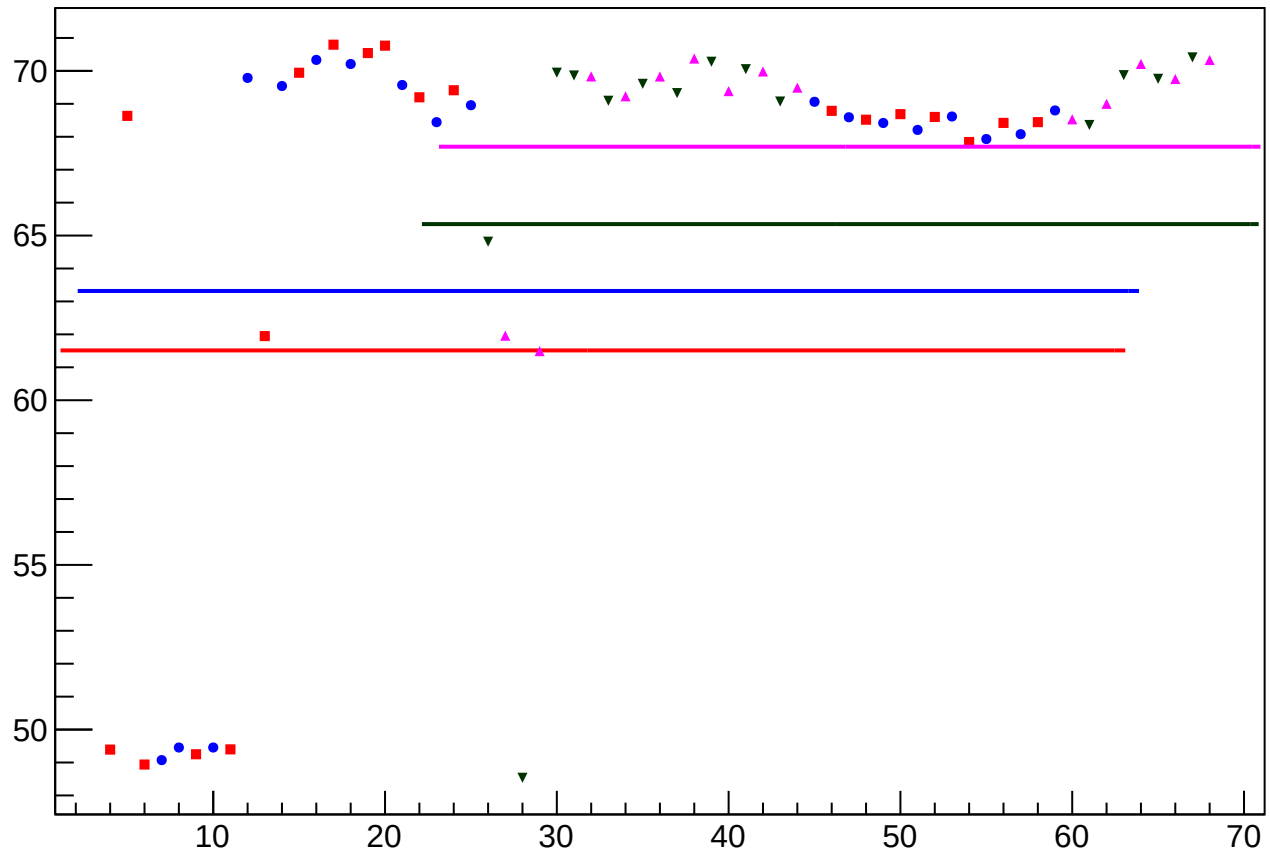
0.007+/-0.000 χ^2/NDF : 96108.2/31

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

0.007+/-0.000 χ^2/NDF : 63542.0/32

Left In: 0.007+/-0.000 χ^2/NDF :12669.8/13

yield_cav4cQ_mean vs slug



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

Left Out: 65.348+/-0.000 χ^2/NDF : 9251180097.4/13

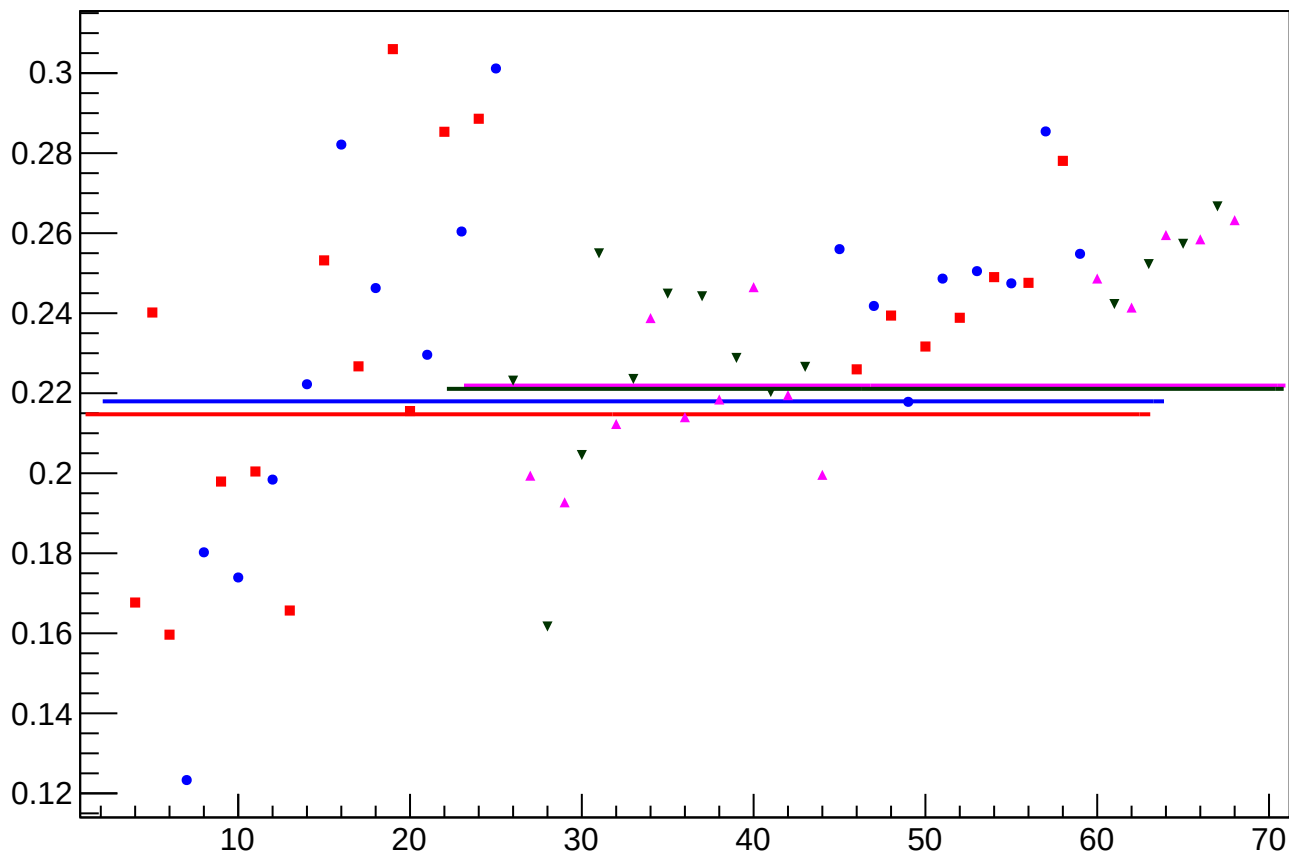
64.115+/-0.000 χ^2/NDF : 26640826645.9/31

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

64.309+/-0.000 χ^2/NDF : 20424209315.4/32

Left In: 67.698+/-0.000 χ^2/NDF : 1852270147.1/13

yield_cav4cQ_rms vs slug



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

Left Out: 0.221 ± 0.000 χ^2/NDF : 292797.3/13

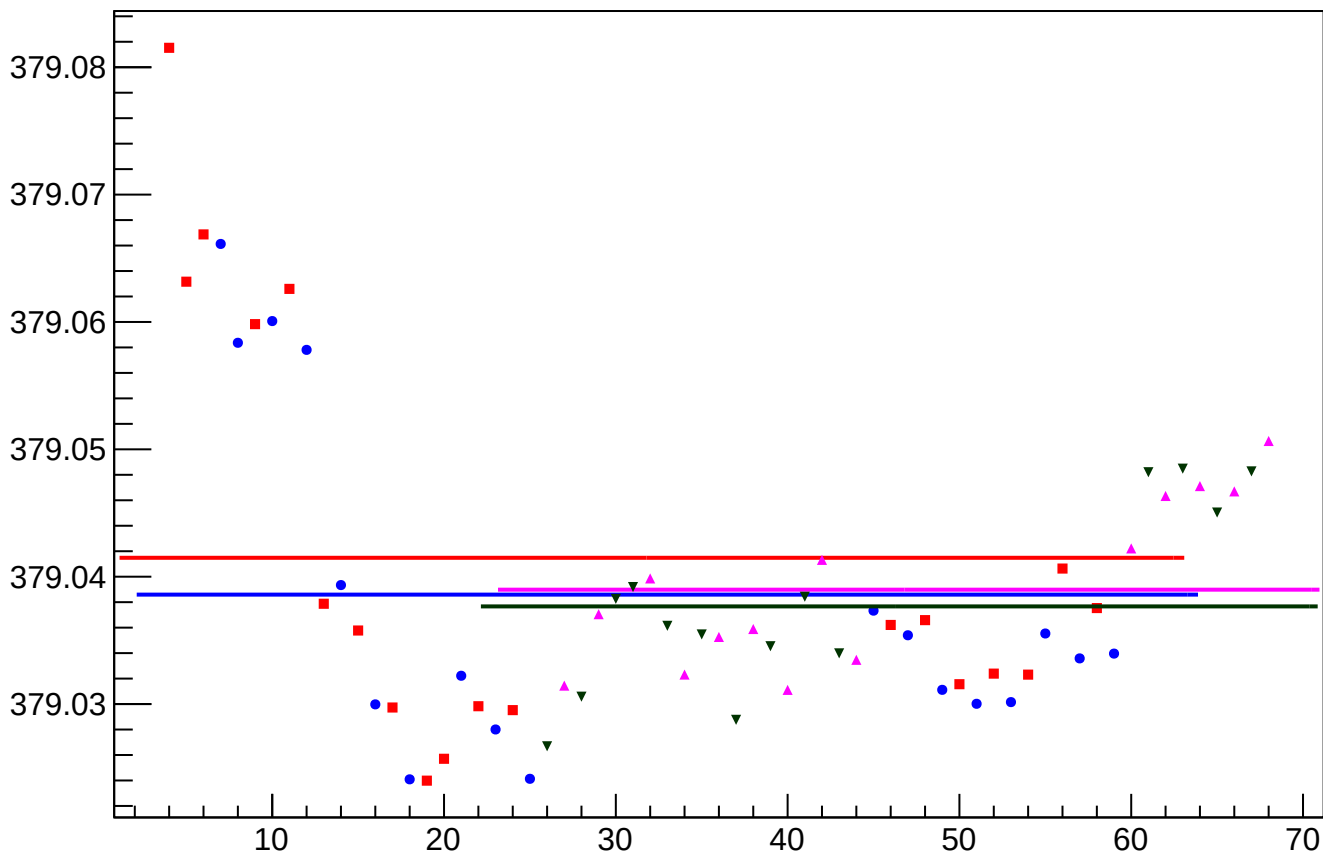
Right Out: 0.215 ± 0.000 χ^2/NDF : 631176.3/18

Left In: 0.222 ± 0.000 χ^2/NDF : 169389.3/13

0.219 ± 0.000 χ^2/NDF : 1029044.7/31

0.218 ± 0.000 χ^2/NDF : 809240.0/32

yield_cav4dQ_mean vs slug



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

Left Out: 379.038 $\pm$ 0.000 χ^2 /NDF: 7460317.7/13

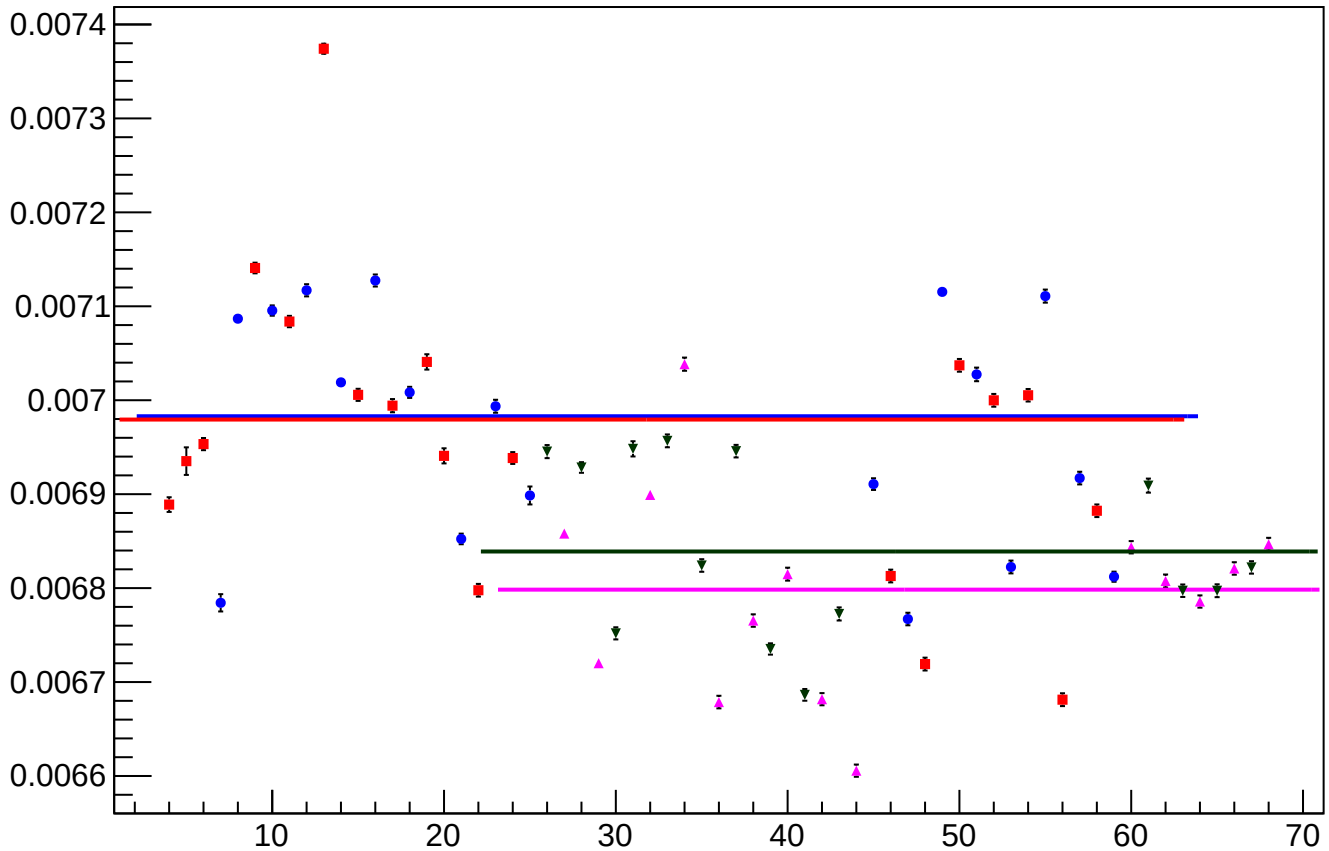
379.038 $\pm$ 0.000 χ^2 /NDF: 41316389.9/31

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

379.040 $\pm$ 0.000 χ^2 /NDF: 53359685.7/32

Left In: 379.039 $\pm$ 0.000 χ^2 /NDF: 6480725.8/13

yield_cav4dQ_rms vs slug



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

Left Out: 0.007+/-0.000 χ^2/NDF : 2554.3/13

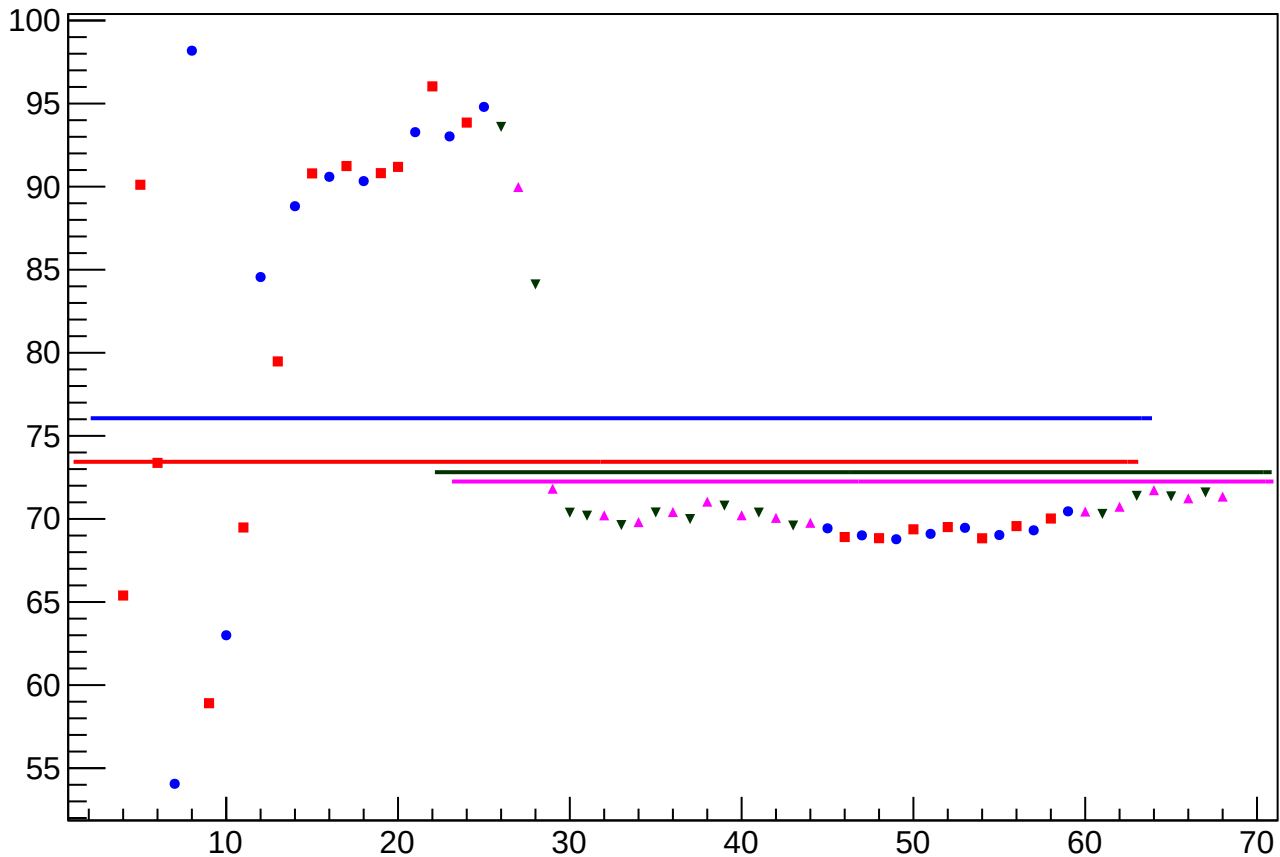
Right Out: 0.007+/-0.000 χ^2/NDF : 11747.2/18

Left In: 0.007+/-0.000 χ^2/NDF : 3568.0/13

0.007+/-0.000 χ^2/NDF : 13136.0/31

0.007+/-0.000 χ^2/NDF : 21573.0/32

yield_bcm0l02_mean vs slug



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

Left Out: 72.814+/-0.000 χ^2/NDF : 3797828457.5/13

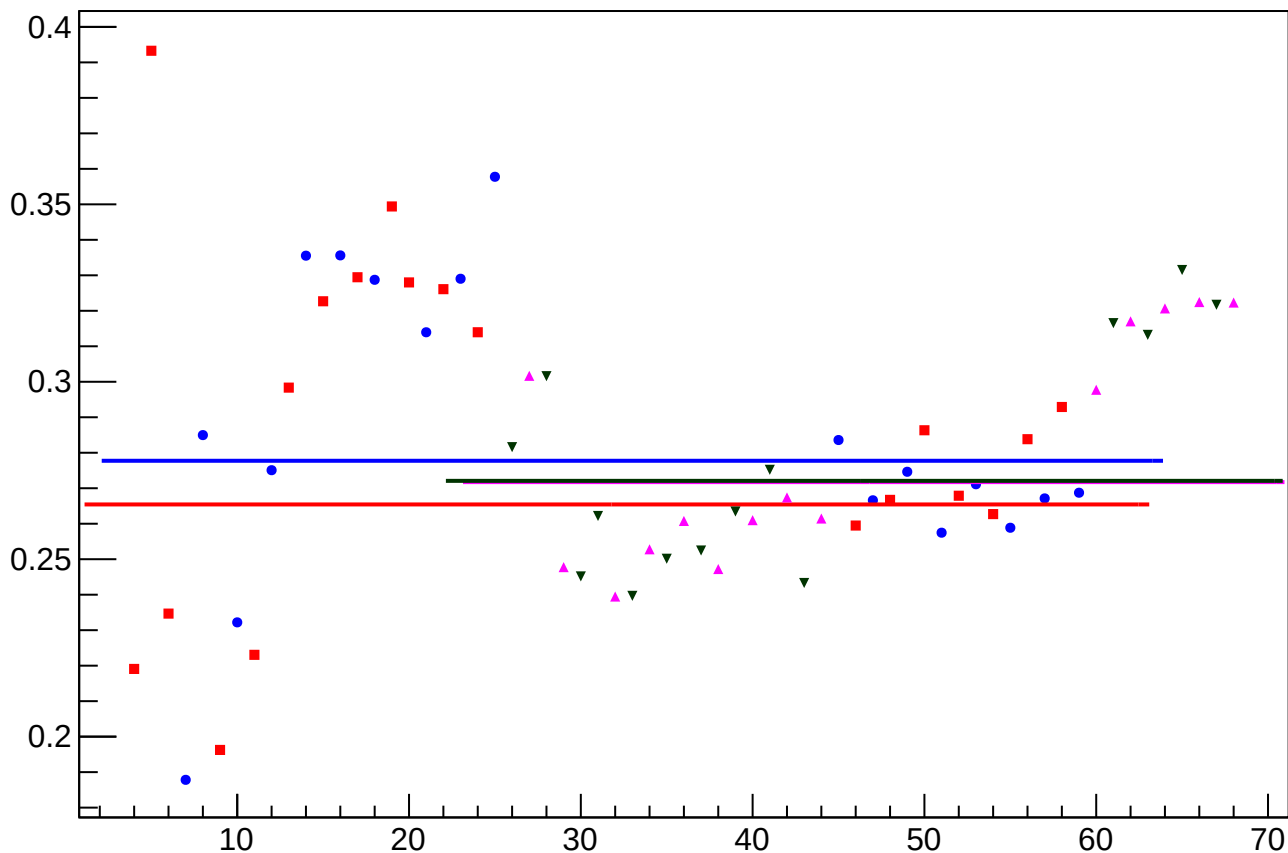
Right Out: 73.439+/-0.000 χ^2/NDF : 14741427319.0/18

Left In: 72.252+/-0.000 χ^2/NDF : 2980358841.4/13

74.732+/-0.000 χ^2/NDF : 25157456174.8/31

72.898+/-0.000 χ^2/NDF : 17801791076.6/32

yield_bcm0l02_rms vs slug



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

Left Out: 0.272+/-0.000 χ^2/NDF :159607.2/13

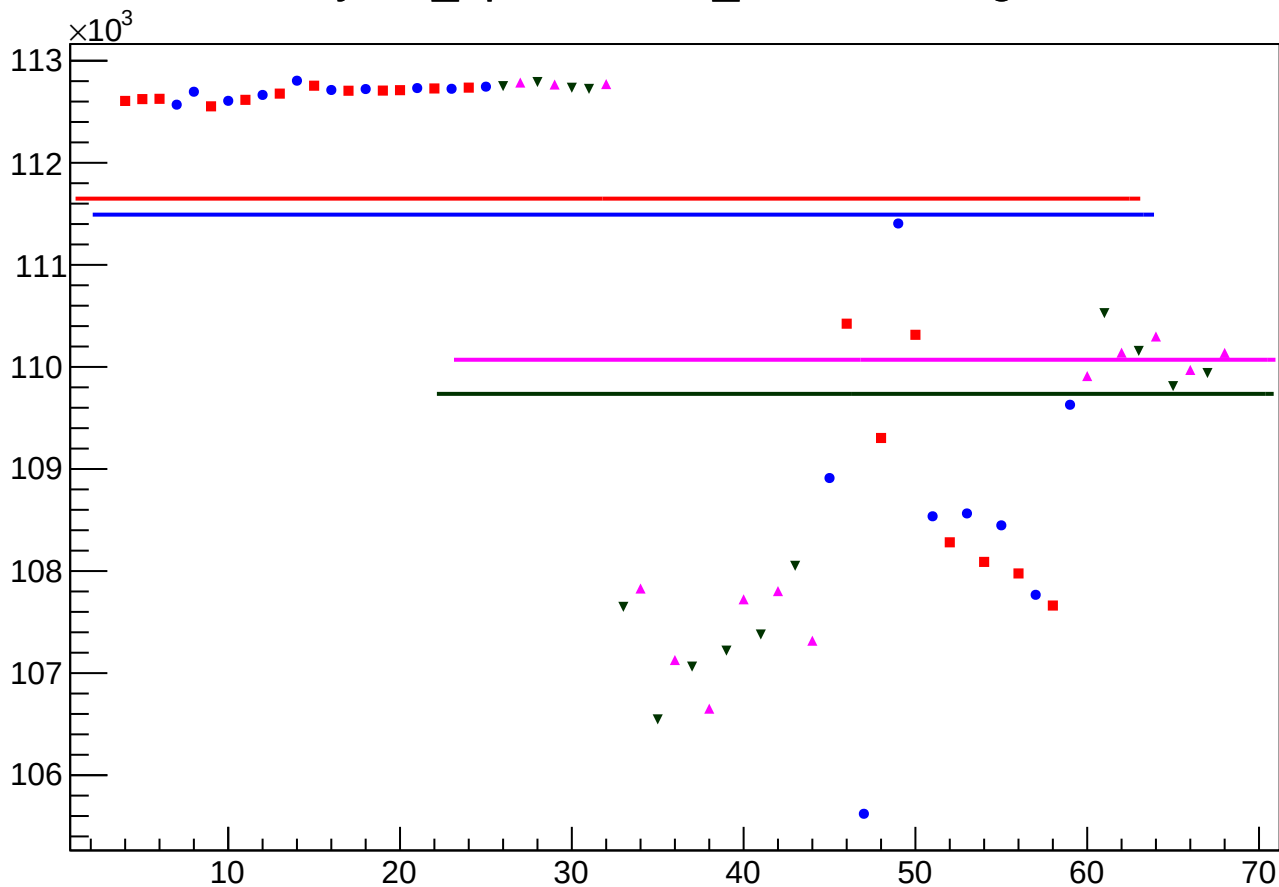
Right Out: 0.265+/-0.000 χ^2/NDF : 503582.7/18

Left In: 0.272+/-0.000 χ^2/NDF :181352.1/13

0.275+/-0.000 χ^2/NDF : 533325.7/31

0.268+/-0.000 χ^2/NDF : 689427.2/32

yield_bpm2i01WS_mean vs slug



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

Left Out: 109736.137 $\pm$ 0.047 χ^2 /NDF: 2701589816.3/13

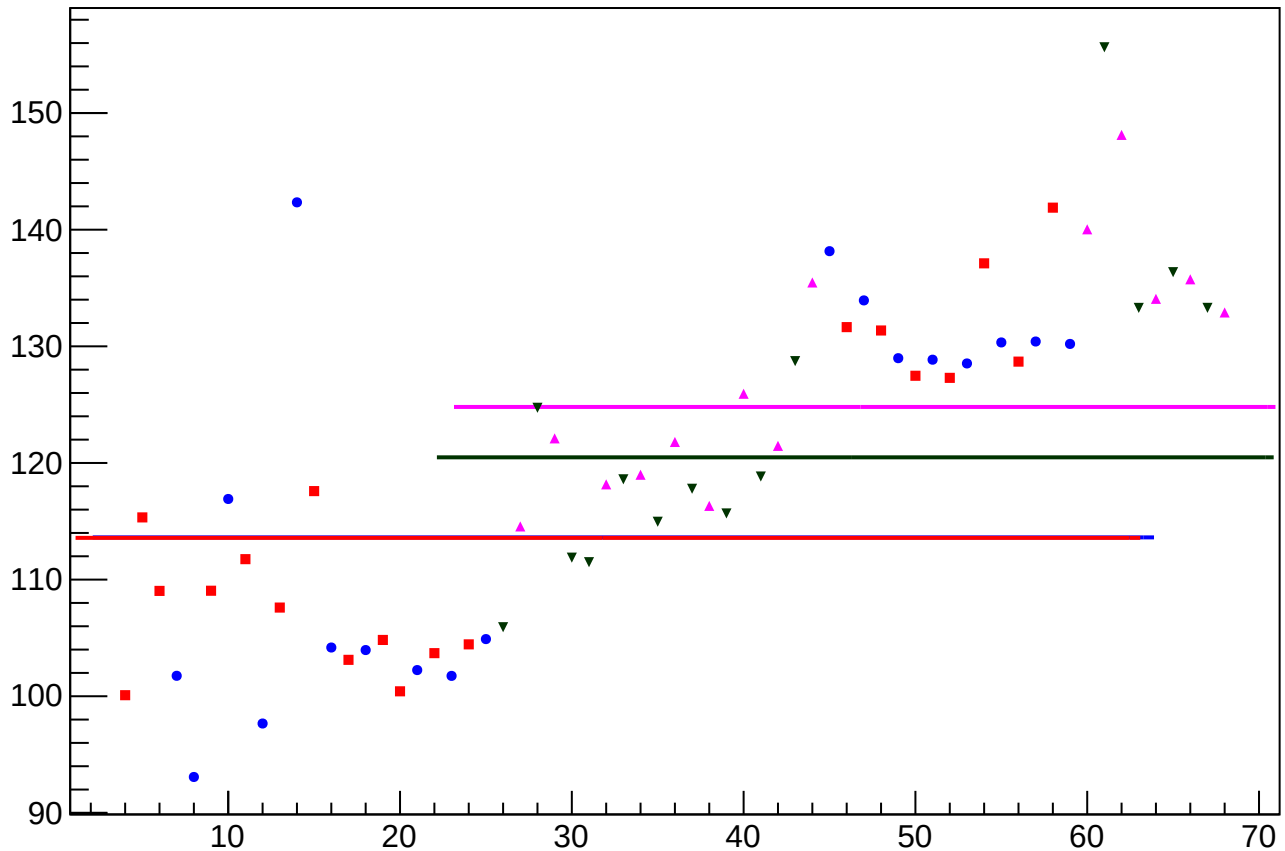
Right Out: 111648.935 $\pm$ 0.037 χ^2 /NDF: 2298631932.7/18

Left In: 110070.344 $\pm$ 0.046 χ^2 /NDF: 2592410104.1/13

110869.117 $\pm$ 0.028 χ^2 /NDF: 6769390241.8/31

111019.792 $\pm$ 0.029 χ^2 /NDF: 5607340348.2/32

yield_bpm2i01WS_rms vs slug



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

Left Out: 120.483 $\pm$ 0.033 χ^2 /NDF: 95003.9/13

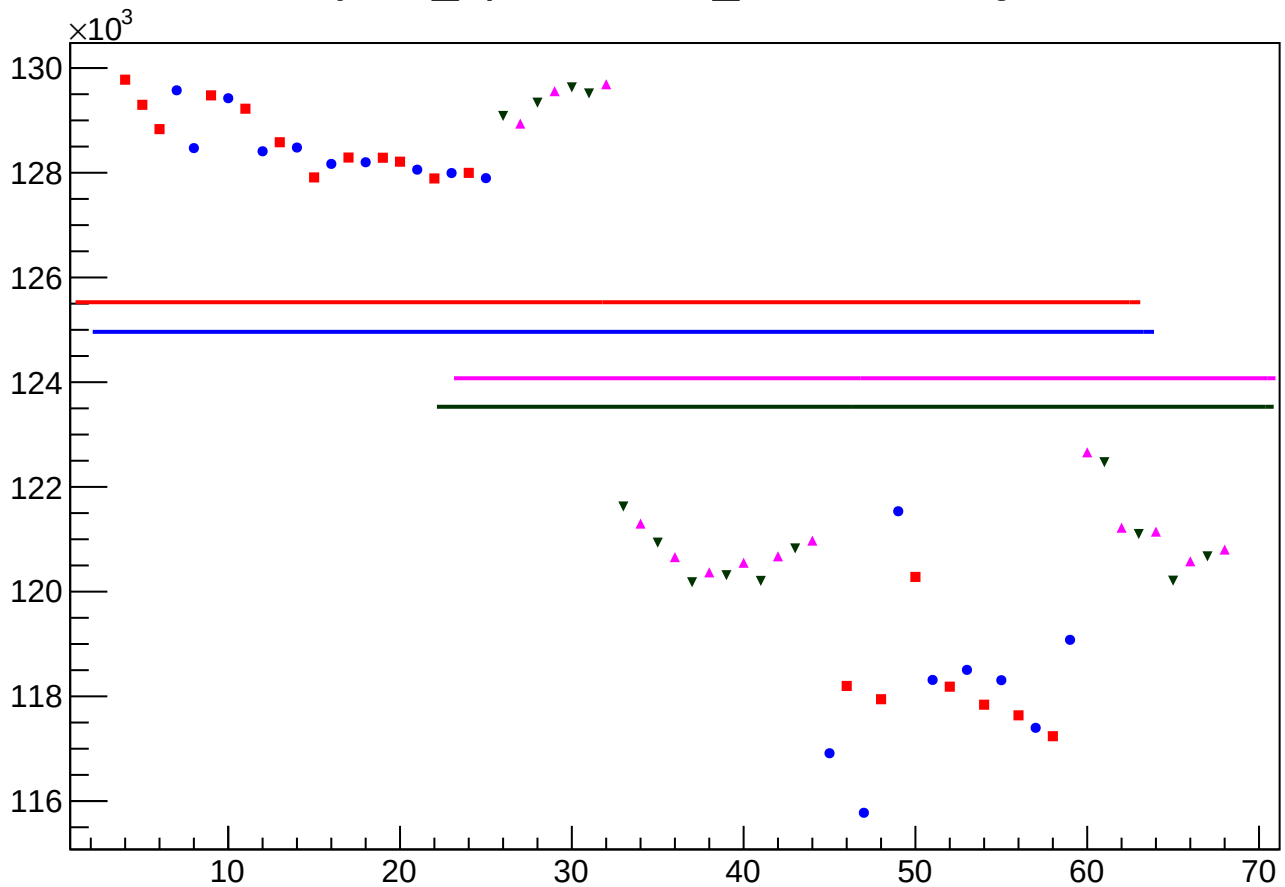
Right Out: 113.579 $\pm$ 0.026 χ^2 /NDF: 206805.2/18

Left In: 124.803 $\pm$ 0.032 χ^2 /NDF: 75986.3/13

116.055 $\pm$ 0.020 χ^2 /NDF: 544734.5/31

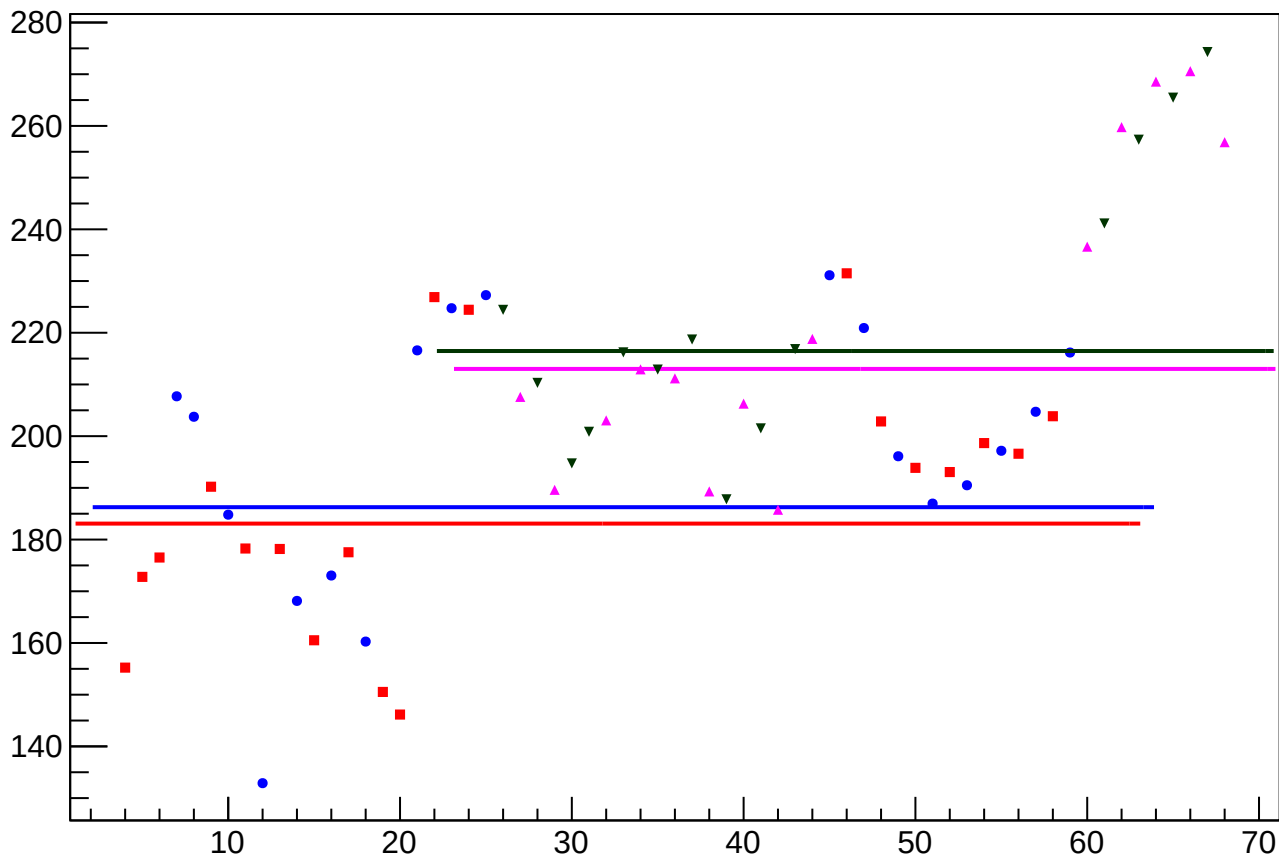
118.053 $\pm$ 0.020 χ^2 /NDF: 355208.6/32

yield_bpm0i07WS_mean vs slug



Right In: 124961.680 $\pm$ 0.057	χ^2 /NDF: 7216201458.1/17		
Left Out: 123530.638 $\pm$ 0.082	χ^2 /NDF: 2516971827.9/13	124494.290 $\pm$ 0.047	χ^2 /NDF: 9940589284.7/31
Right Out: 125527.018 $\pm$ 0.060	χ^2 /NDF: 6545248421.9/18		
Left In: 124075.357 $\pm$ 0.075	χ^2 /NDF: 2982257799.3/13	124970.237 $\pm$ 0.047	χ^2 /NDF: 9755466904.3/32

yield_bpm0i07WS_rms vs slug



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

Left Out: 216.467+/-0.058 χ^2/NDF : 169328.8/13

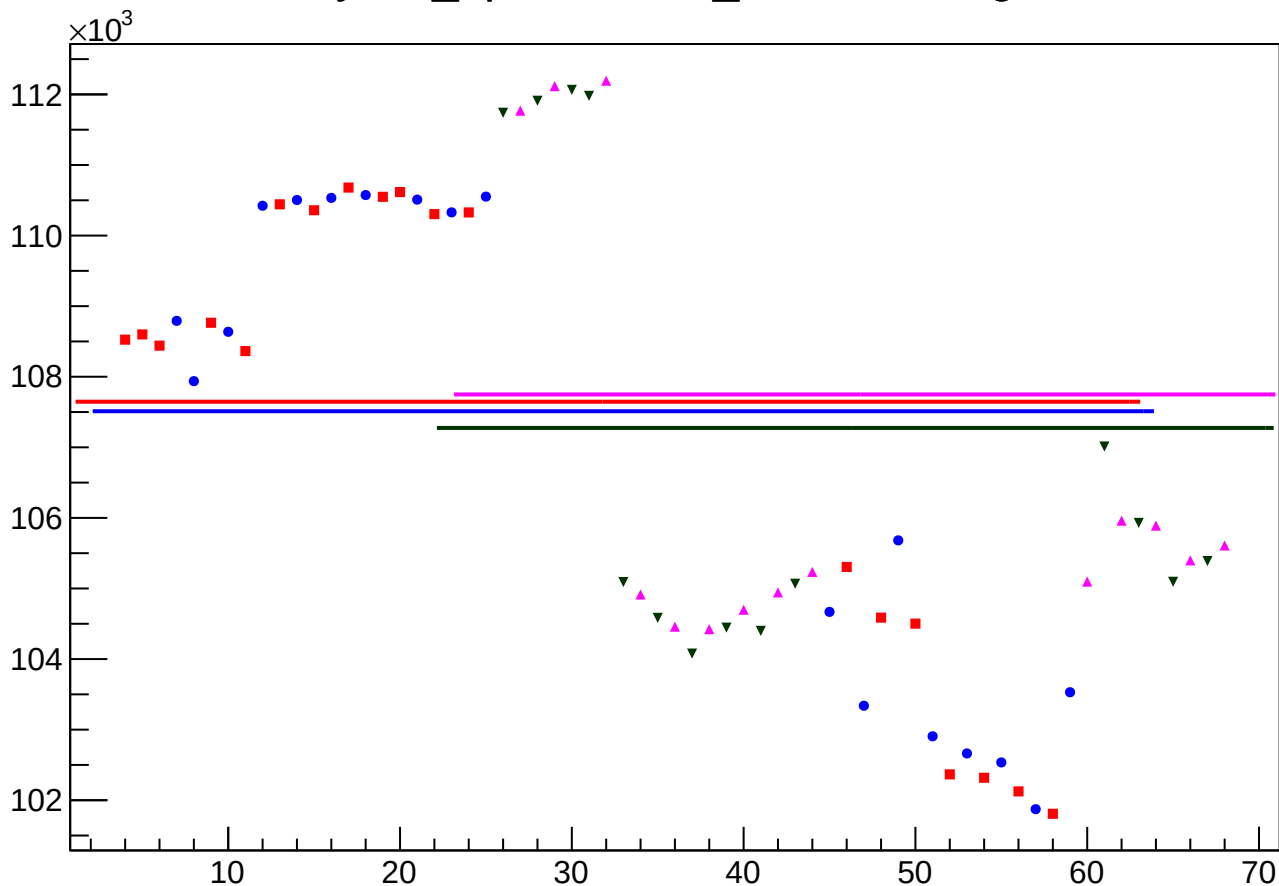
Right Out: 183.088+/-0.042 χ^2/NDF : 276420.3/18

Left In: 213.005+/-0.053 χ^2/NDF : 230017.8/13

196.128+/-0.033 χ^2/NDF : 816511.3/31

194.563+/-0.033 χ^2/NDF : 700070.6/32

yield_bpm0l01WS_mean vs slug



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

Left Out: 107274.496 $\pm$ 0.046 χ^2 /NDF: 5528633370.9/13

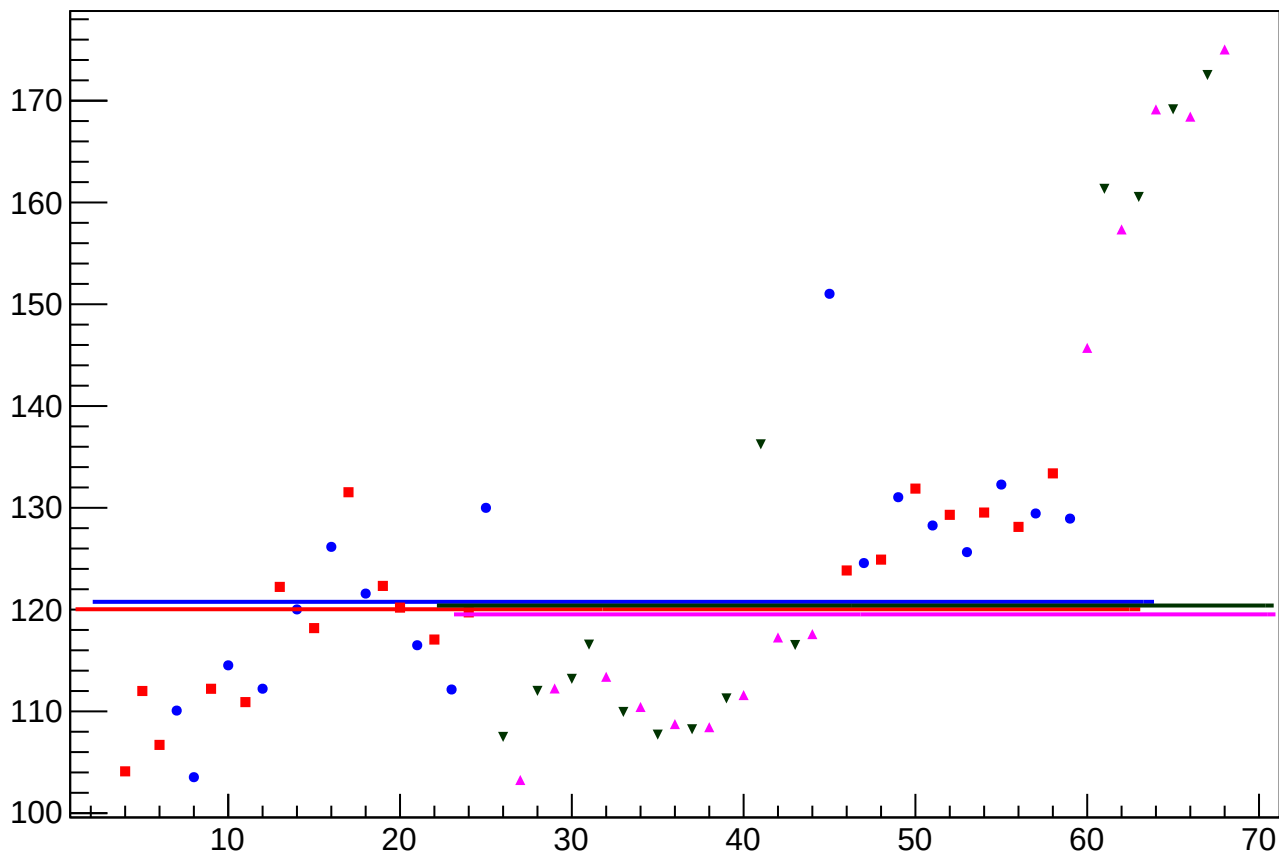
Right Out: 107646.372 $\pm$ 0.039 χ^2 /NDF: 6547636060.9/18

Left In: 107749.012 $\pm$ 0.043 χ^2 /NDF: 6541214940.5/13

107419.100 $\pm$ 0.029 χ^2 /NDF: 13090326396.9/3

107692.925 $\pm$ 0.029 χ^2 /NDF: 13092004977.5/3

yield_bpm0l01WS_rms vs slug



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

Left Out: 120.400+/-0.032 χ^2/NDF : 369895.5/13

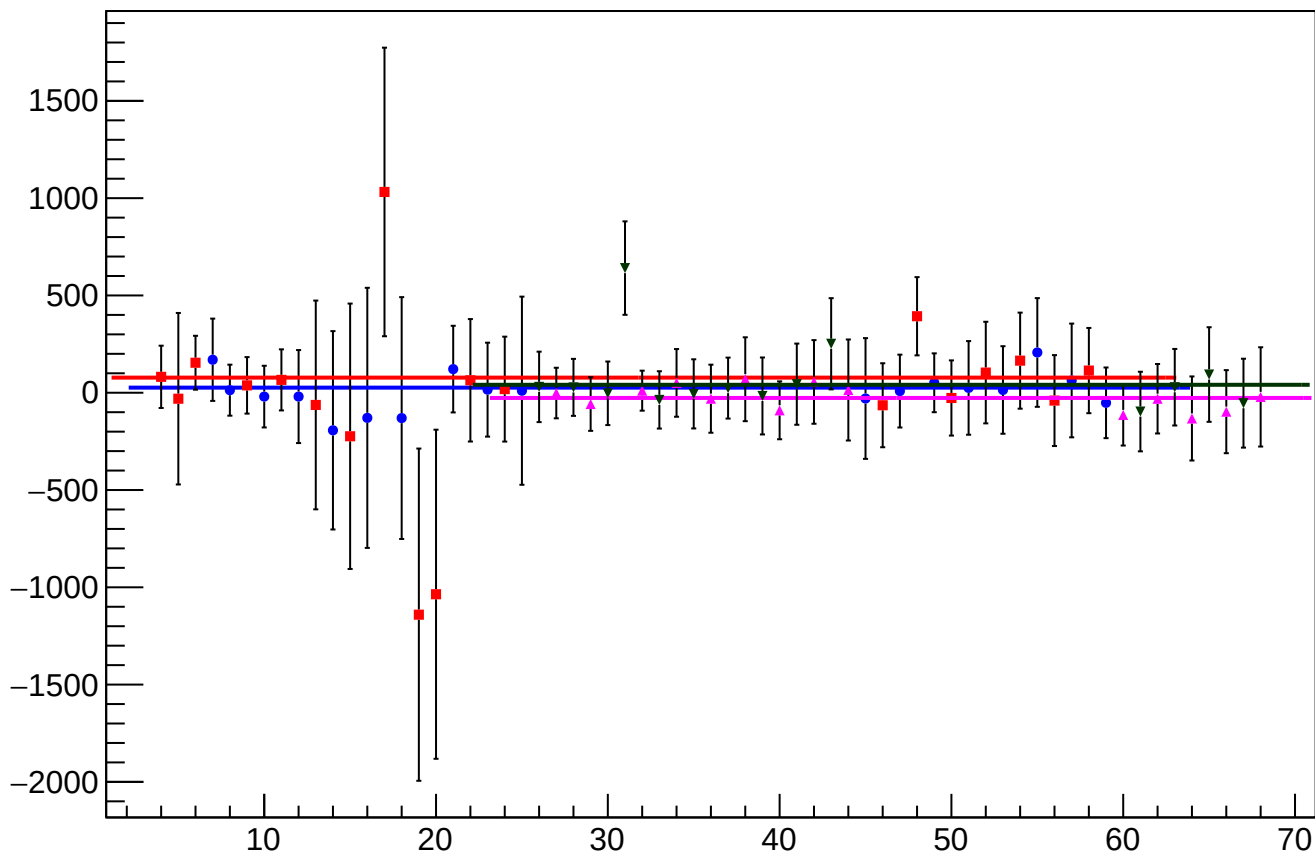
Right Out: 120.035+/-0.028 χ^2/NDF : 93920.3/18

Left In: 119.530+/-0.030 χ^2/NDF : 445885.0/13

120.622+/-0.020 χ^2/NDF : 525704.2/31

119.806+/-0.020 χ^2/NDF : 539957.5/32

asym_bcm_an_ds_mean vs slug



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

Left Out: 40.795+/-49.815 χ^2/NDF : 8.2/13

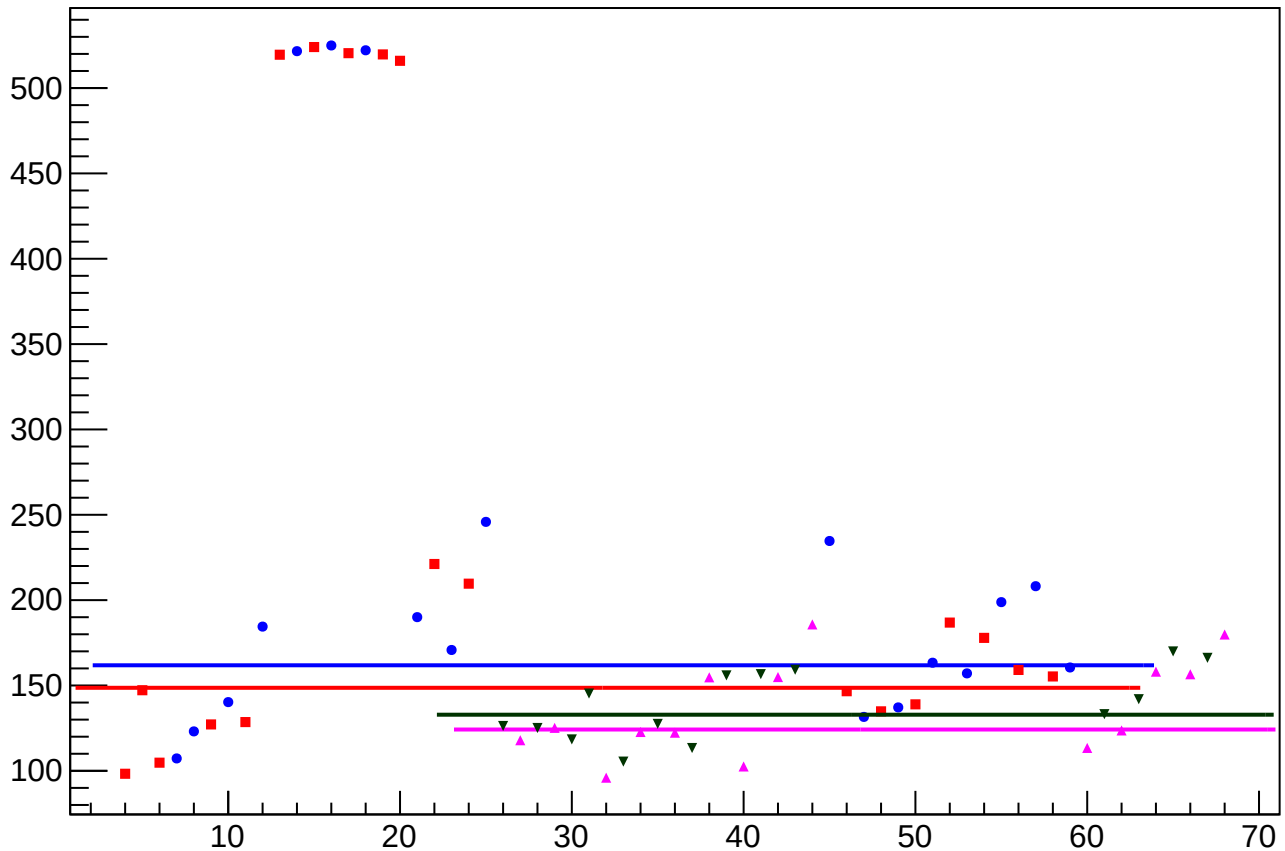
Right Out: 77.703+/-52.586 χ^2/NDF : 9.8/18

Left In: -26.755+/-44.456 χ^2/NDF : 1.6/13

33.904+/-36.140 χ^2/NDF : 10.1/31

16.784+/-33.950 χ^2/NDF : 13.7/32

asym_bcm_an_ds_rms vs slug



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

Left Out: 132.880 ± 0.035 χ^2/NDF : 303424.3/13

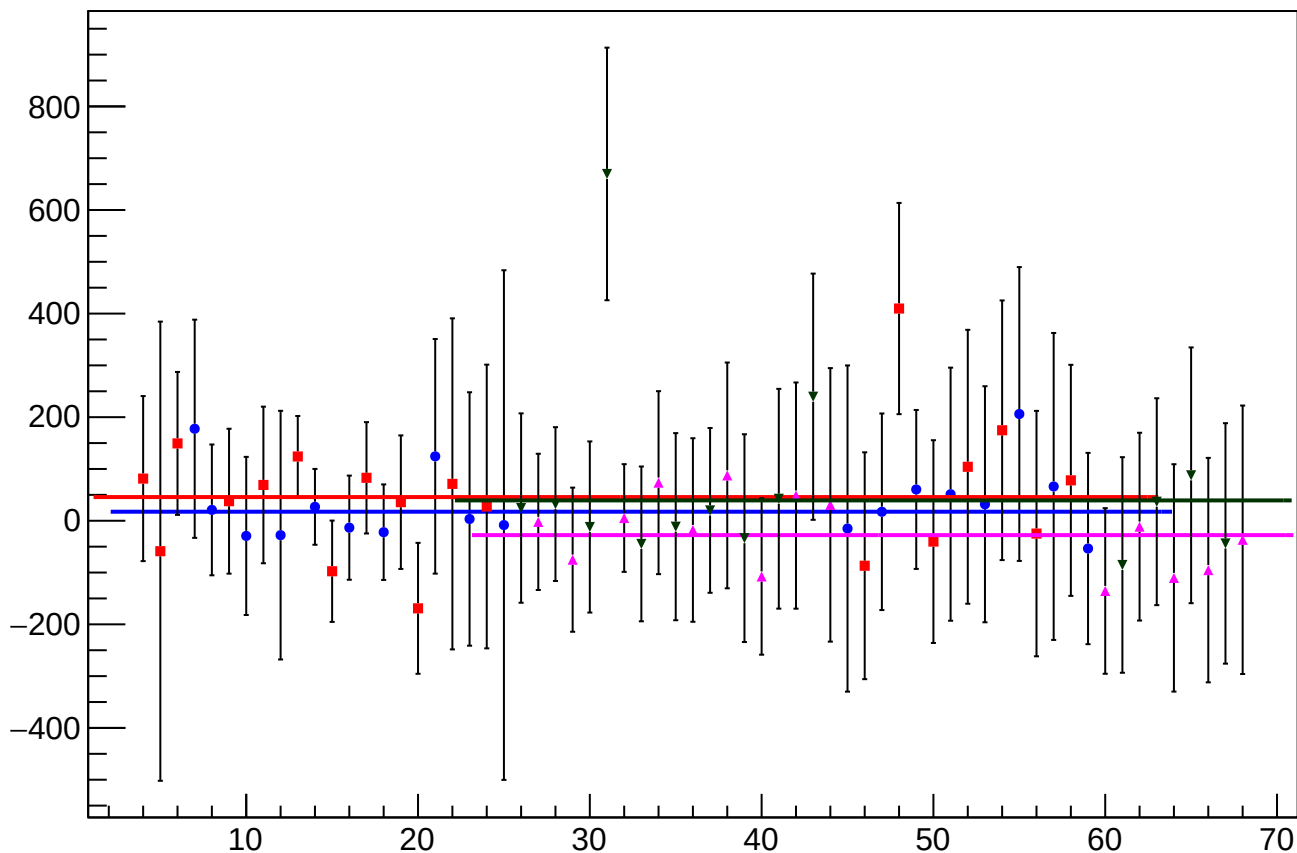
146.595 ± 0.026 χ^2/NDF : 3642346.7/31

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

134.392 ± 0.024 χ^2/NDF : 4438240.8/32

Left In: 124.204 ± 0.031 χ^2/NDF : 591677.7/13

asym_bcm_an_ds3_mean vs slug



Right In: 17.458 ± 36.313 χ^2/NDF : 2.0/17

Left Out: 39.289 ± 50.536 χ^2/NDF : 8.6/13

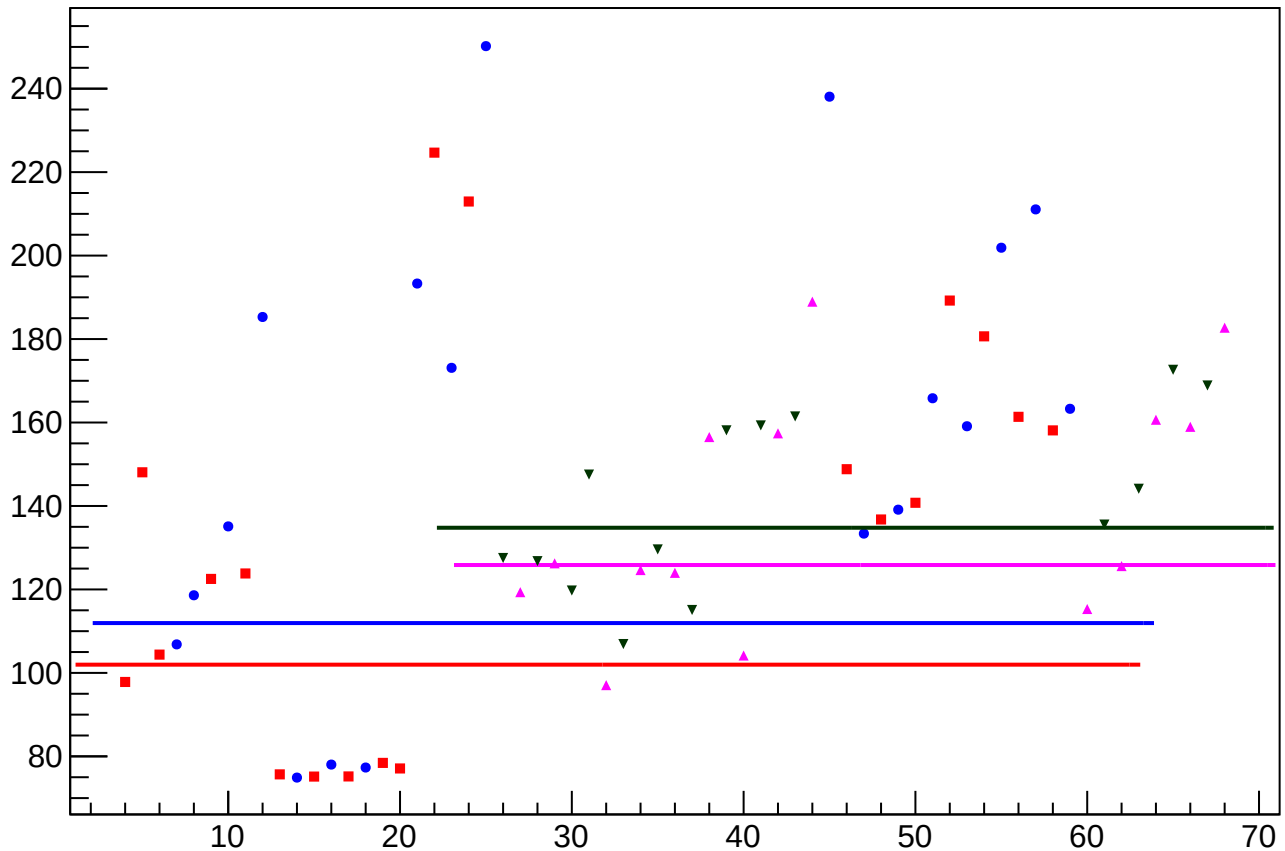
Right Out: 45.735 ± 34.677 χ^2/NDF : 11.0/18

Left In: -27.734 ± 45.060 χ^2/NDF : 2.0/13

24.892 ± 29.490 χ^2/NDF : 10.6/31

18.407 ± 27.481 χ^2/NDF : 14.7/32

asym_bcm_an_ds3_rms vs slug



Right In: 111.942 $\pm$ 0.026 χ^2/NDF : 2972725.0/17

Left Out: 134.784 $\pm$ 0.036 χ^2/NDF : 306401.4/13

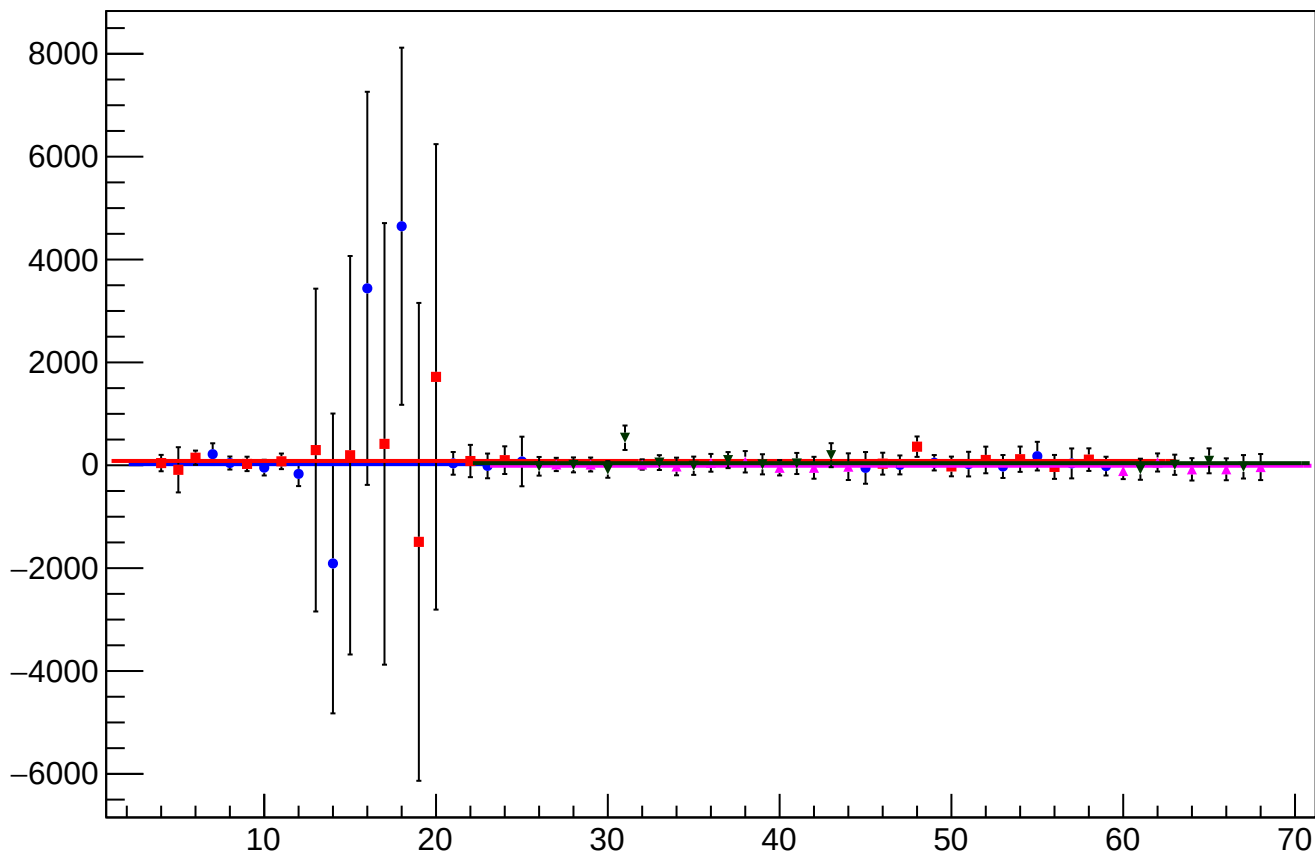
Right Out: 101.974 $\pm$ 0.025 χ^2/NDF : 2271871.2/18

Left In: 125.852 $\pm$ 0.032 χ^2/NDF : 597279.4/13

119.720 $\pm$ 0.021 χ^2/NDF : 3548589.0/31

110.855 $\pm$ 0.019 χ^2/NDF : 3221891.8/32

asym_bcm_an_us_mean vs slug



Right In: 21.772 $\pm$ 52.365 χ^2 /NDF: 5.3/17

Left Out: 40.897 $\pm$ 49.454 χ^2 /NDF: 6.2/13

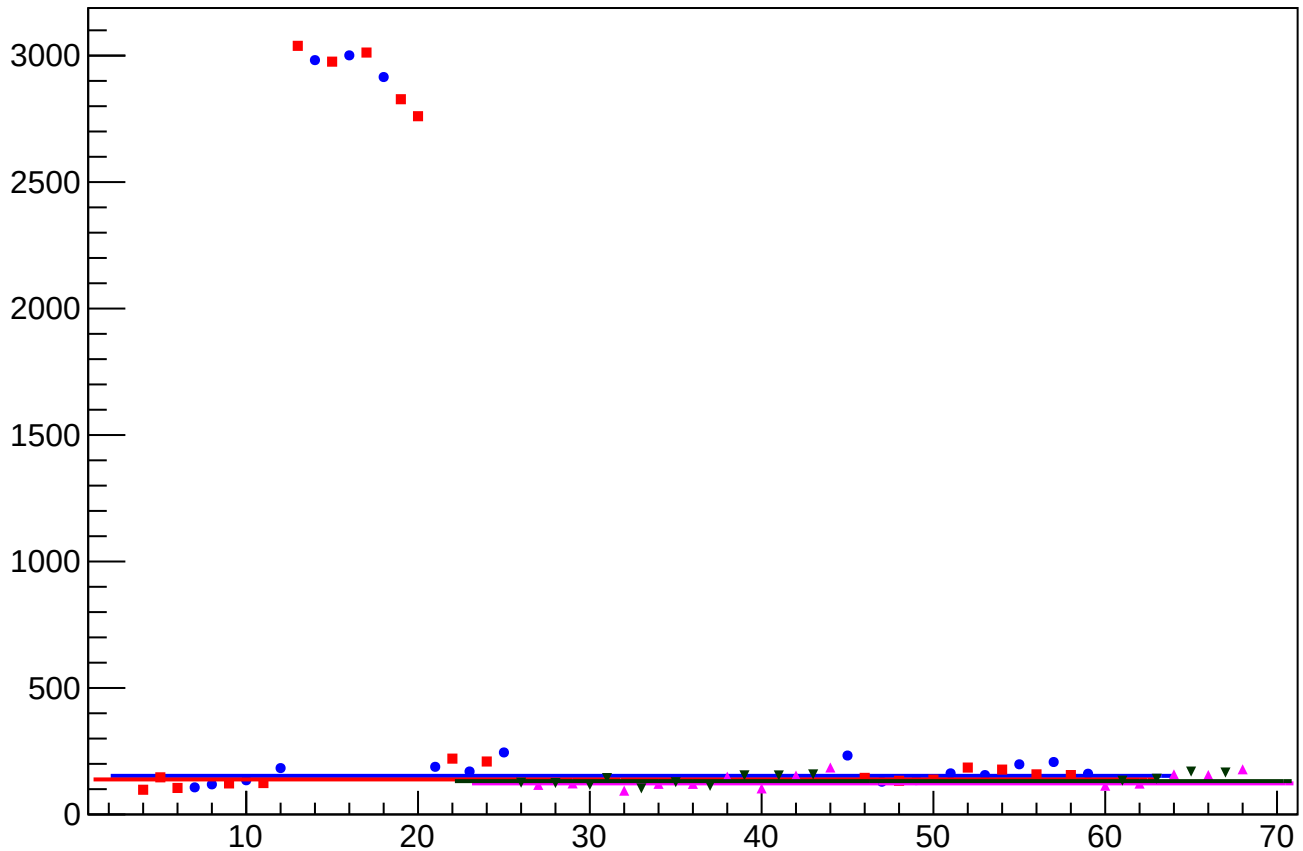
Right Out: 84.092 $\pm$ 52.636 χ^2 /NDF: 3.5/18

Left In: -8.992 $\pm$ 43.988 χ^2 /NDF: 1.3/13

31.881 $\pm$ 35.954 χ^2 /NDF: 11.6/31

29.286 $\pm$ 33.753 χ^2 /NDF: 6.6/32

asym_bcm_an_us_rms vs slug



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

Left Out: 131.764+/-0.035 χ^2/NDF :314297.5/13

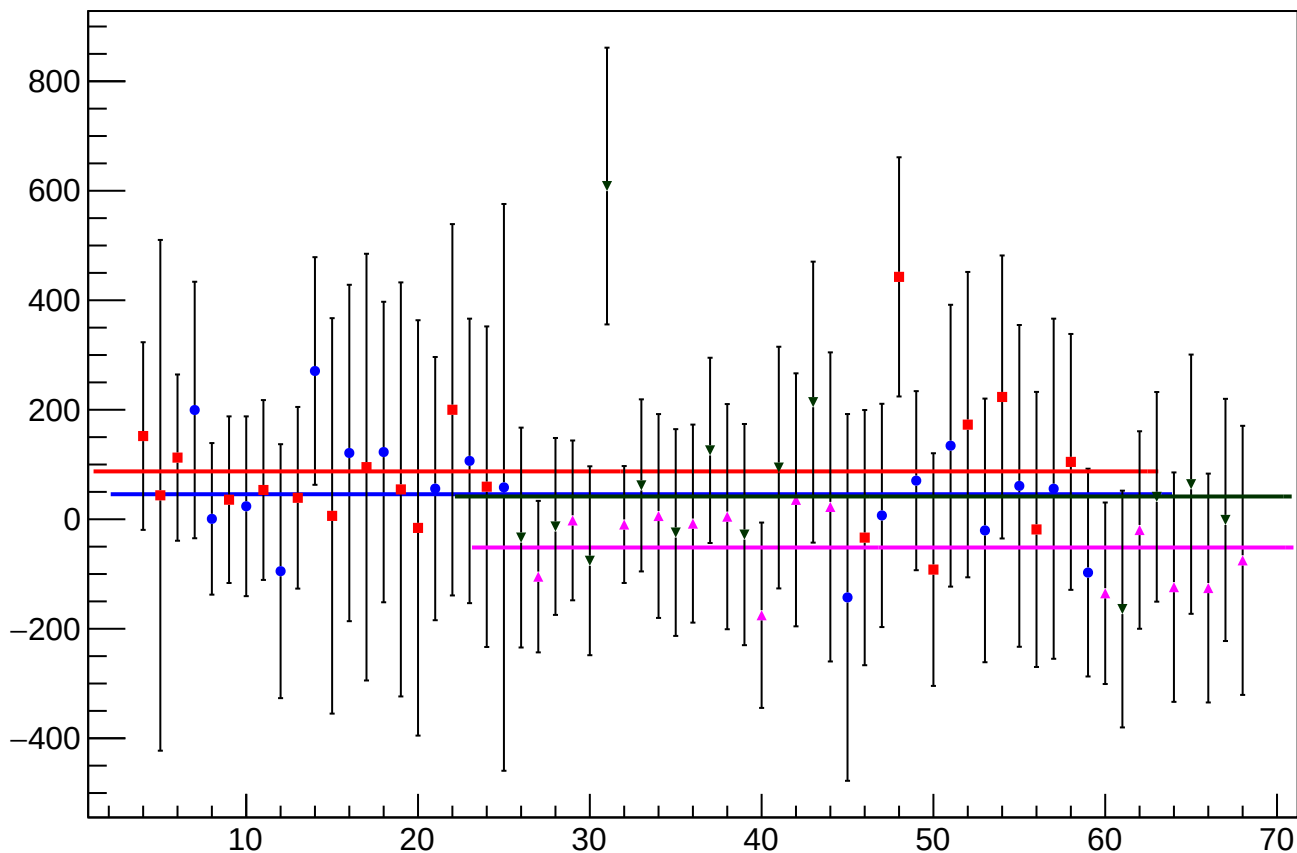
141.600+/-0.025 χ^2/NDF : 5499743.4/31

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

129.253+/-0.024 χ^2/NDF : 6439850.0/32

Left In: 122.825+/-0.031 χ^2/NDF :601438.8/13

asym_bcm_dg_us_mean vs slug



Right In: 45.739 $\pm$ 52.604 χ^2 /NDF: 3.4/17

Left Out: 41.607 $\pm$ 52.487 χ^2 /NDF: 7.7/13

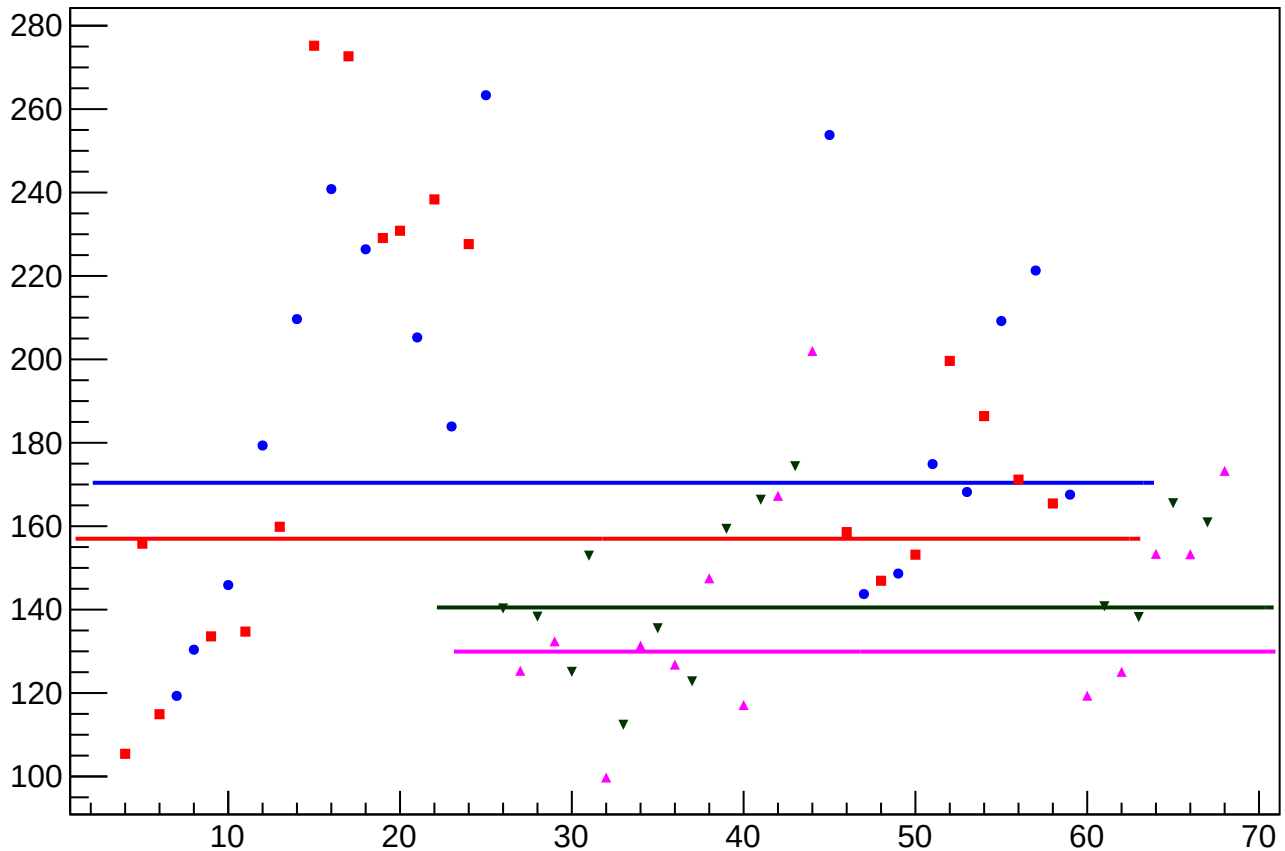
Right Out: 87.434 $\pm$ 51.940 χ^2 /NDF: 4.9/18

Left In: -51.565 $\pm$ 46.348 χ^2 /NDF: 1.9/13

43.668 $\pm$ 37.155 χ^2 /NDF: 11.1/31

10.052 $\pm$ 34.582 χ^2 /NDF: 10.8/32

asym_bcm_dg_us_rms vs slug



Right In: 170.412+/-0.037 χ^2/NDF : 964671.4/17

Left Out: 140.521+/-0.037 χ^2/NDF : 227793.7/13

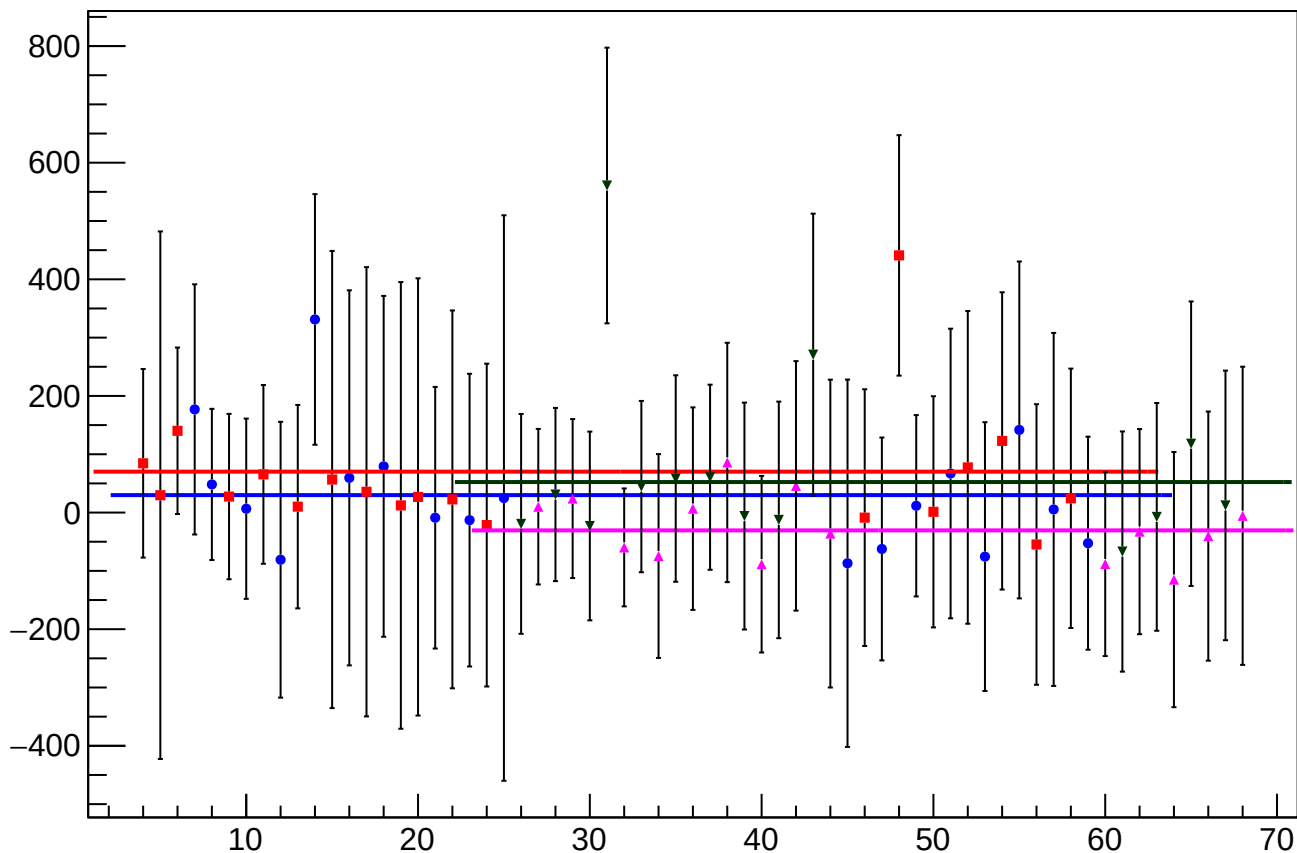
155.433+/-0.026 χ^2/NDF : 1516078.2/31

Right Out: 156.997+/-0.037 χ^2/NDF : 1276447.5/18

141.932+/-0.024 χ^2/NDF : 2072366.6/32

Left In: 129.937+/-0.033 χ^2/NDF : 493715.5/13

asym_bcm_dg_ds_mean vs slug



Right In: 29.919+/-50.591 χ^2/NDF : 3.8/17

Left Out: 52.319+/-49.959 χ^2/NDF : 6.6/13

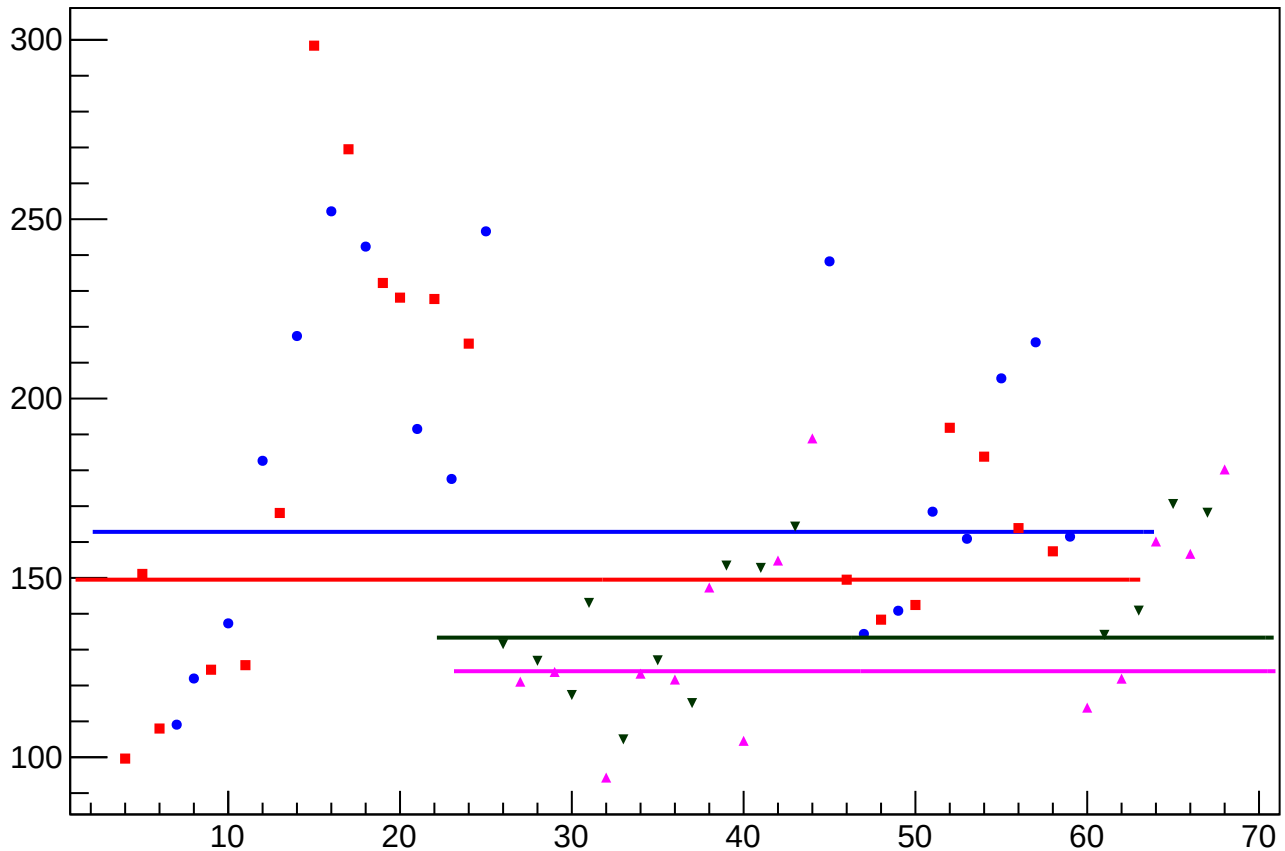
Right Out: 70.155+/-49.782 χ^2/NDF : 4.5/18

Left In: -30.540+/-44.375 χ^2/NDF : 1.3/13

41.260+/-35.548 χ^2/NDF : 10.4/31

14.044+/-33.125 χ^2/NDF : 8.1/32

asym_bcm_dg_ds_rms vs slug



Right In: 162.833+/-0.036 χ^2/NDF : 1229021.5/17

Left Out: 133.349+/-0.035 χ^2/NDF : 297944.0/13

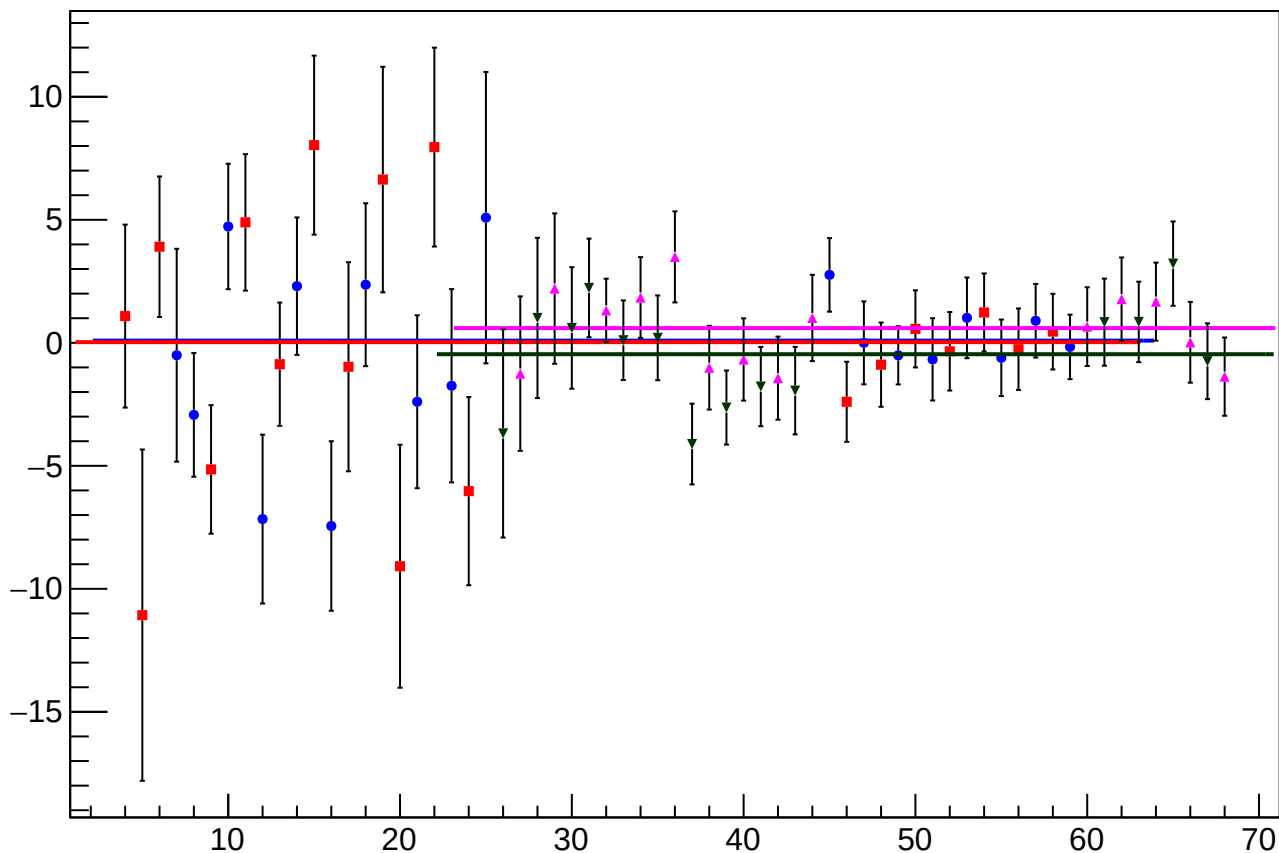
Right Out: 149.507+/-0.035 χ^2/NDF : 1490705.1/18

Left In: 123.983+/-0.031 χ^2/NDF : 601561.7/13

147.906+/-0.025 χ^2/NDF : 1870882.1/31

135.284+/-0.023 χ^2/NDF : 2385226.5/32

asym_cav4bQ_mean vs slug



Right In: 0.089 ± 0.466 χ^2/NDF : 21.1/17

Left Out: -0.463 ± 0.485 χ^2/NDF : 17.3/13

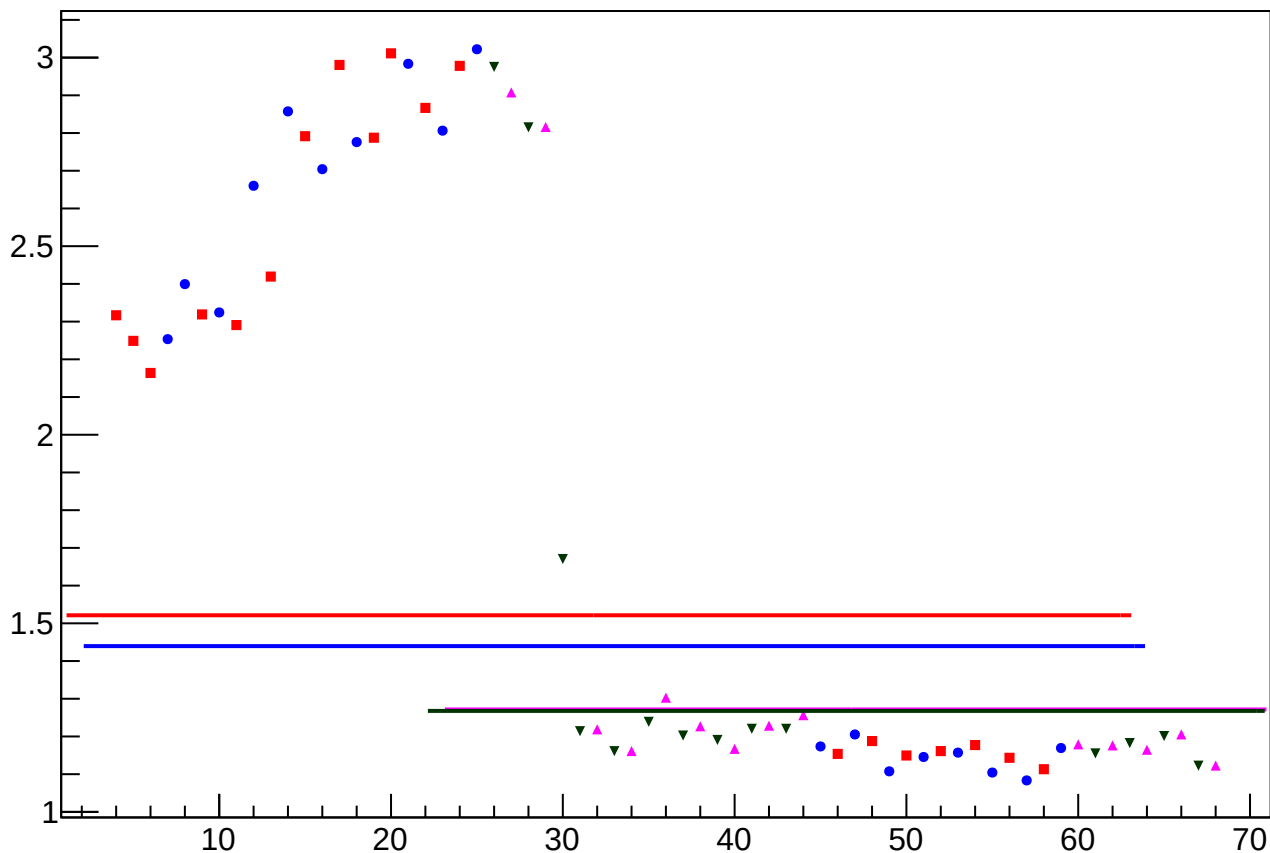
Right Out: 0.028 ± 0.520 χ^2/NDF : 31.9/18

Left In: 0.598 ± 0.459 χ^2/NDF : 9.5/13

-0.176 ± 0.336 χ^2/NDF : 39.0/31

0.349 ± 0.344 χ^2/NDF : 42.1/32

asym_cav4bQ_rms vs slug



Right In: 1.440+/-0.000 χ^2/NDF : 3409388.4/17

Left Out: 1.268+/-0.000 χ^2/NDF : 886485.0/13

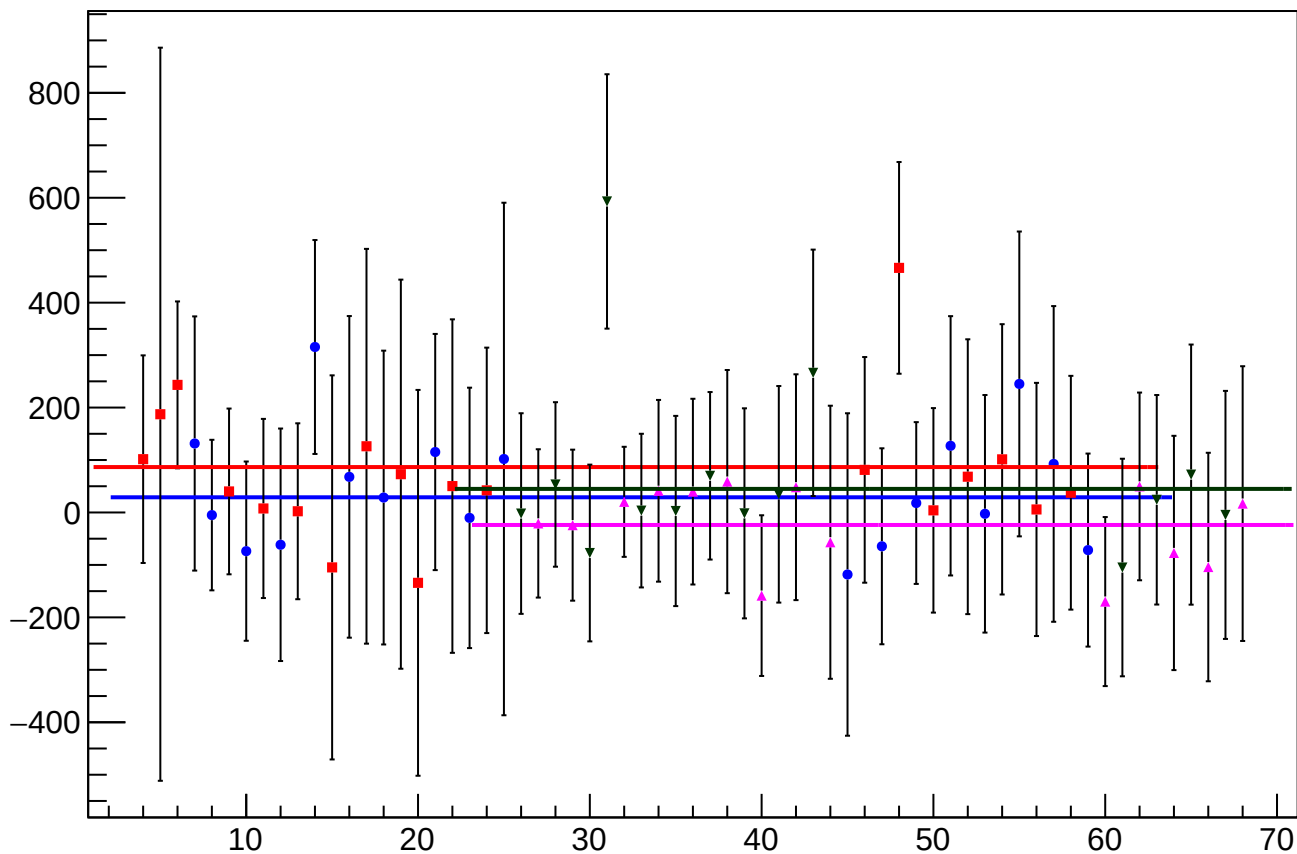
Right Out: 1.521+/-0.000 χ^2/NDF : 2870549.2/18

Left In: 1.272+/-0.000 χ^2/NDF : 1120178.9/13

1.357+/-0.000 χ^2/NDF : 4426432.5/31

1.381+/-0.000 χ^2/NDF : 4250389.4/32

asym_cav4cQ_mean vs slug



Right In: 28.930 ± 51.478 $\chi^2/\text{NDF}: 4.5/17$

Left Out: 44.936 ± 50.934 $\chi^2/\text{NDF}: 7.4/13$

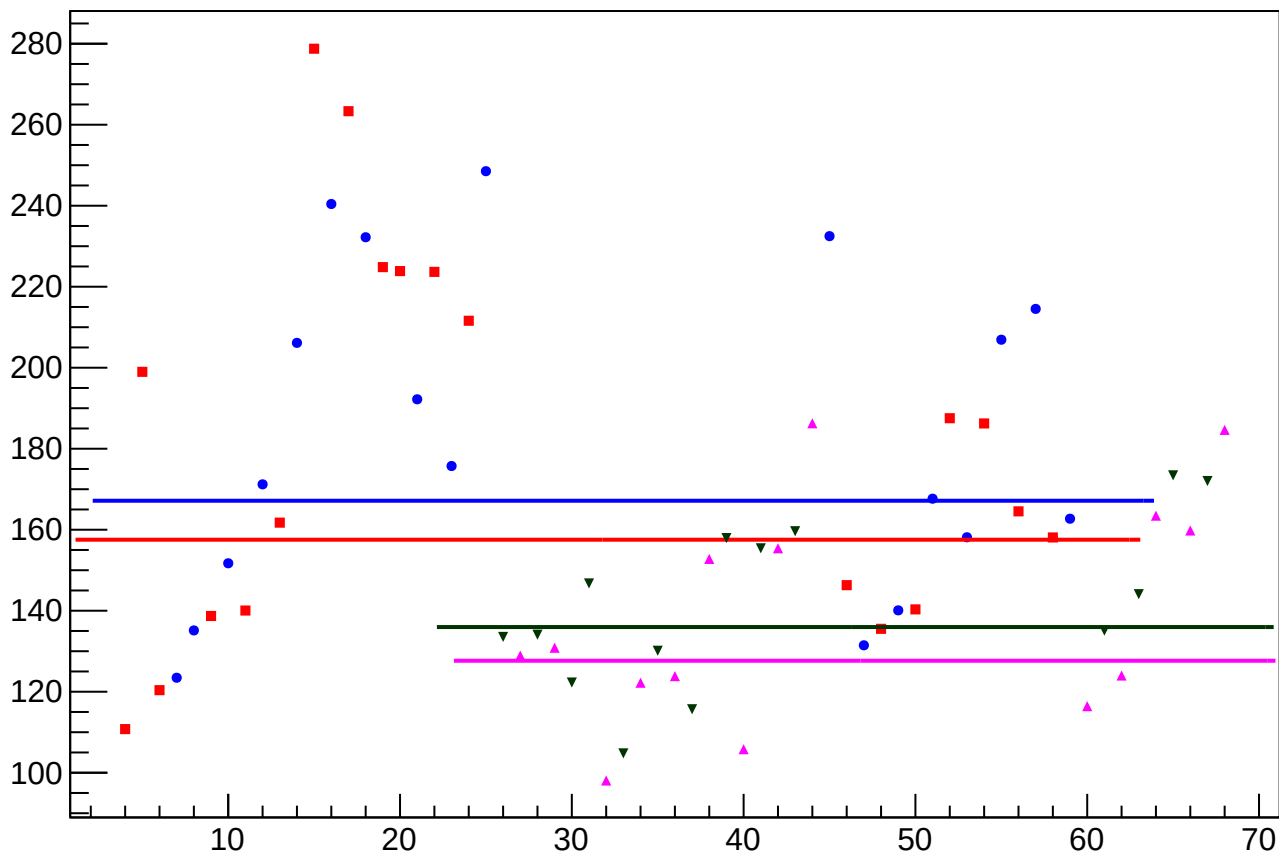
Right Out: 86.558 ± 52.059 $\chi^2/\text{NDF}: 6.1/18$

Left In: -23.842 ± 45.604 $\chi^2/\text{NDF}: 2.7/13$

37.018 ± 36.207 $\chi^2/\text{NDF}: 11.9/31$

24.093 ± 34.303 $\chi^2/\text{NDF}: 11.4/32$

asym_cav4cQ_rms vs slug



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

Left Out: 135.967+/-0.036 χ^2/NDF :300434.7/13

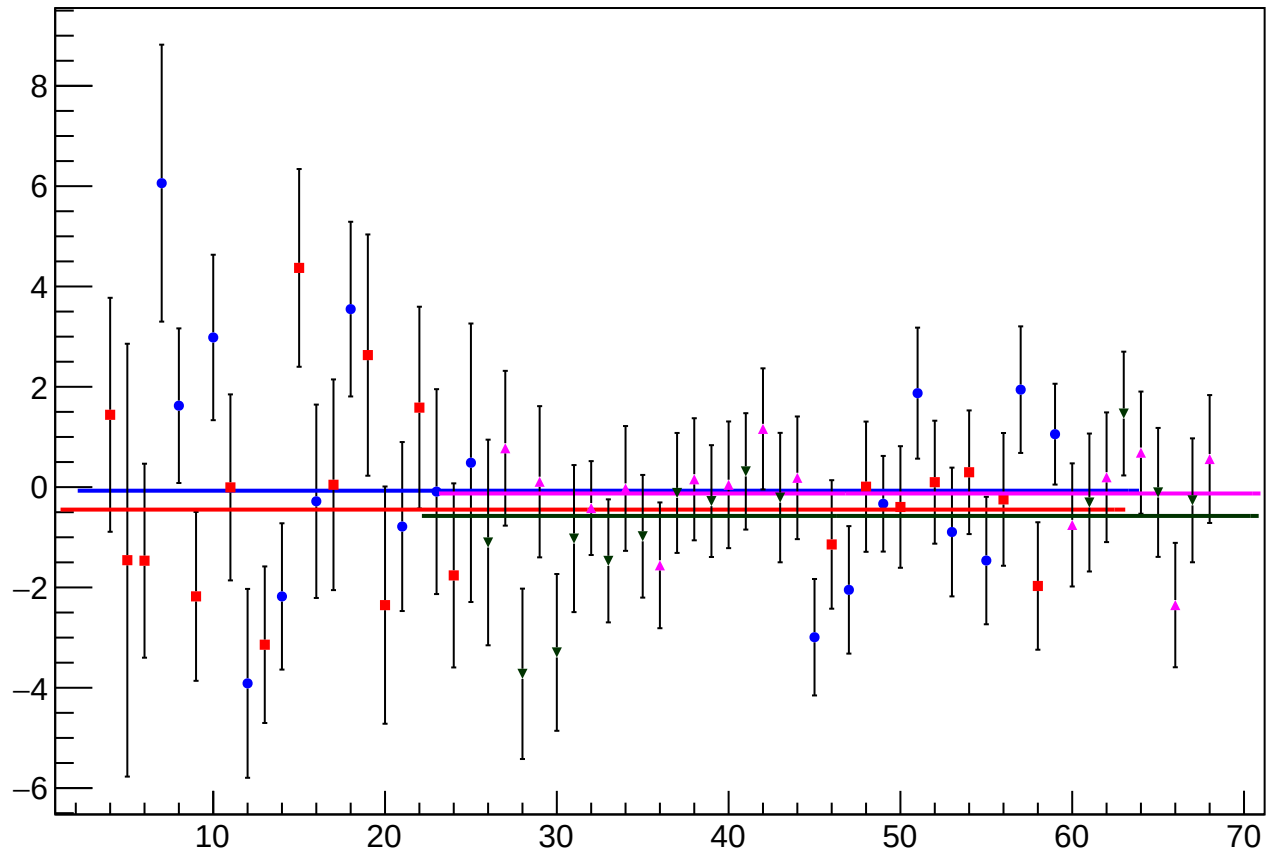
Right Out: 157.534+/-0.037 χ^2/NDF : 1049684.2/18

Left In: 127.651+/-0.032 χ^2/NDF :566549.3/13

151.397+/-0.026 χ^2/NDF : 1547286.8/31

140.626+/-0.024 χ^2/NDF : 1989115.6/32

asym_cav4dQ_mean vs slug



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

Left Out: -0.574 ± 0.352 χ^2/NDF : 11.1/13

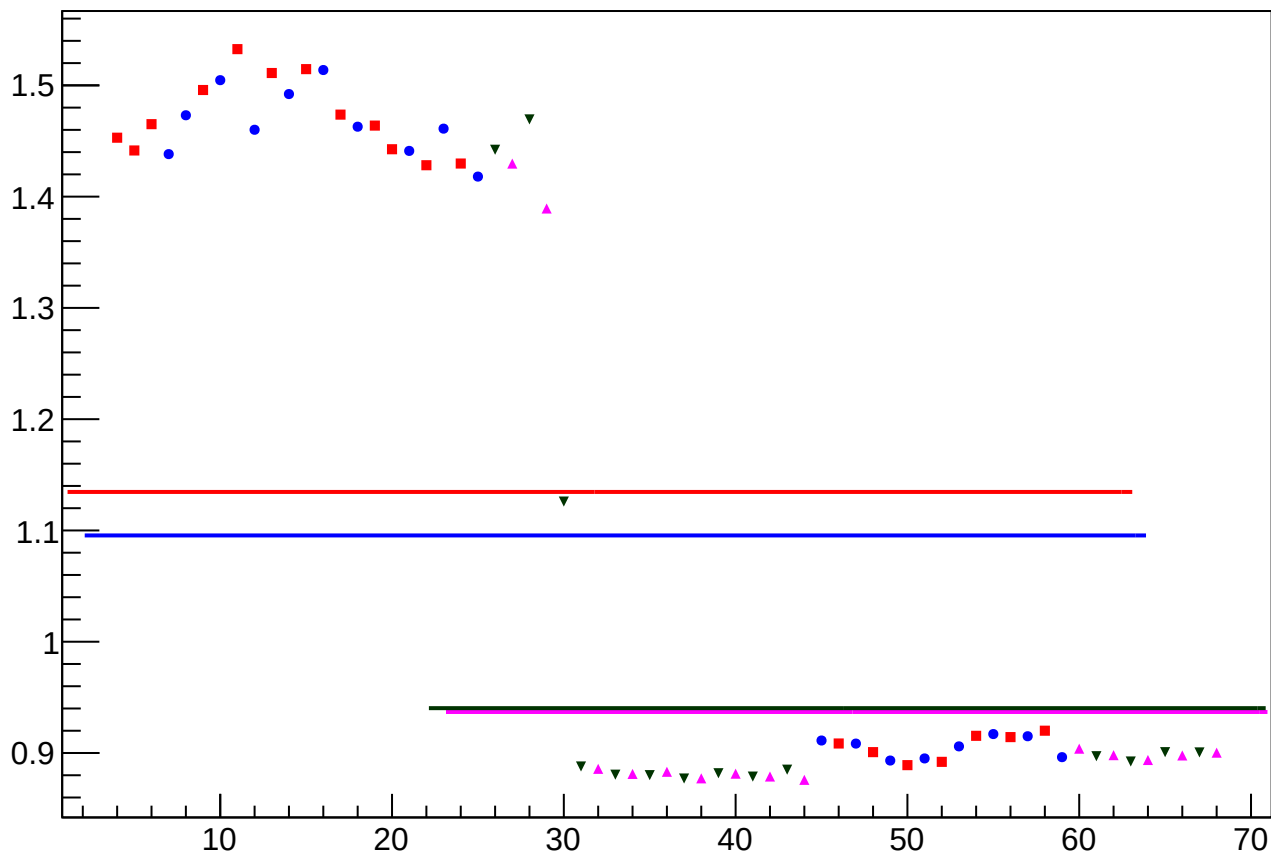
Right Out: -0.448 ± 0.369 χ^2/NDF : 17.4/18

Left In: -0.127 ± 0.331 χ^2/NDF : 7.3/13

-0.311 ± 0.243 χ^2/NDF : 49.0/31

-0.270 ± 0.246 χ^2/NDF : 25.1/32

asym_cav4dQ_rms vs slug



Right In: 1.096+/-0.000 χ^2/NDF : 1288766.9/17

Left Out: 0.940+/-0.000 χ^2/NDF :383720.2/13

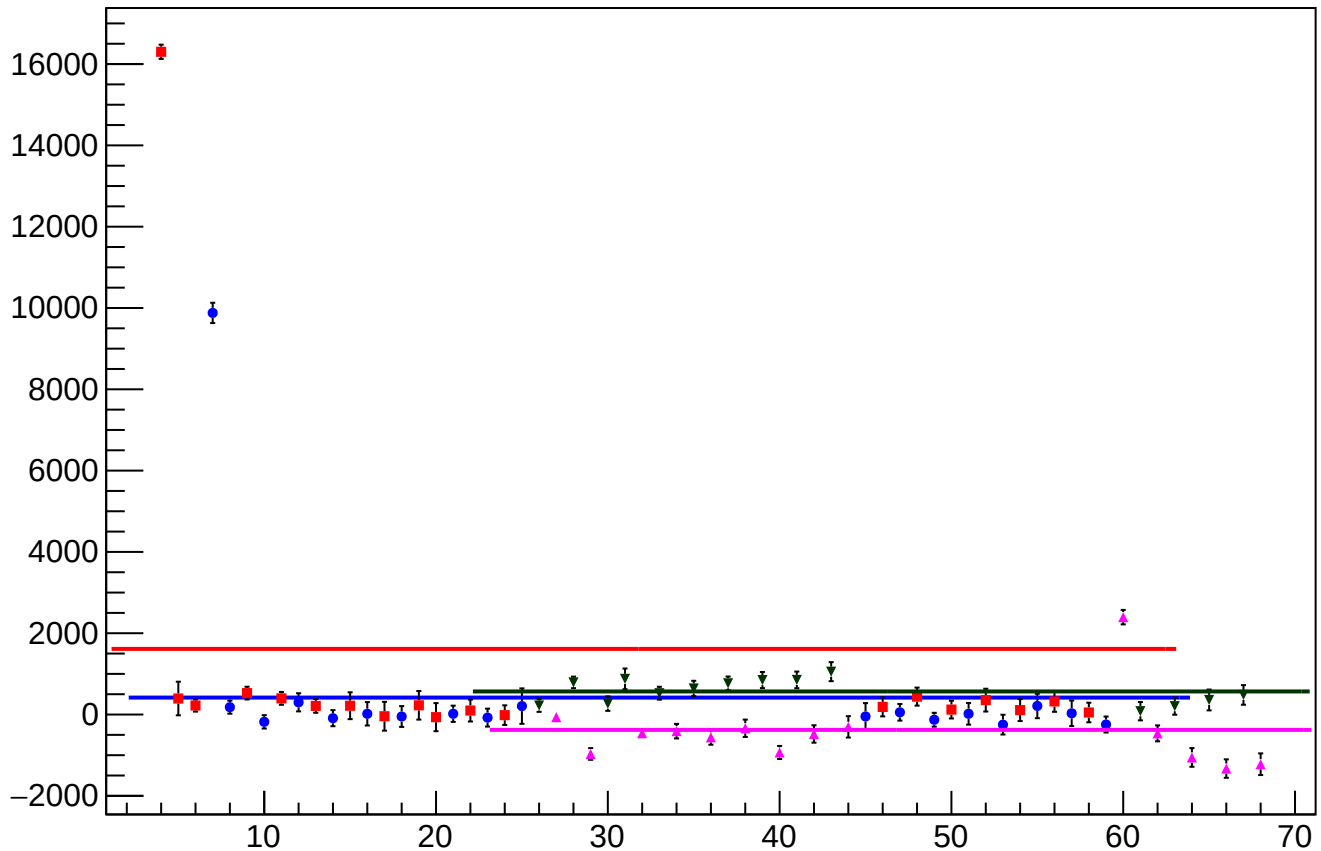
Right Out: 1.135+/-0.000 χ^2/NDF : 1161881.6/18

Left In: 0.937+/-0.000 χ^2/NDF :425571.0/13

1.022+/-0.000 χ^2/NDF : 1876479.2/31

1.025+/-0.000 χ^2/NDF : 1905801.4/32

asym_bcm0l02_mean vs slug



Right In: 417.186+/-52.636 χ^2/NDF : 1507.9/17

Left Out: 567.744+/-51.077 χ^2/NDF : 29.9/13

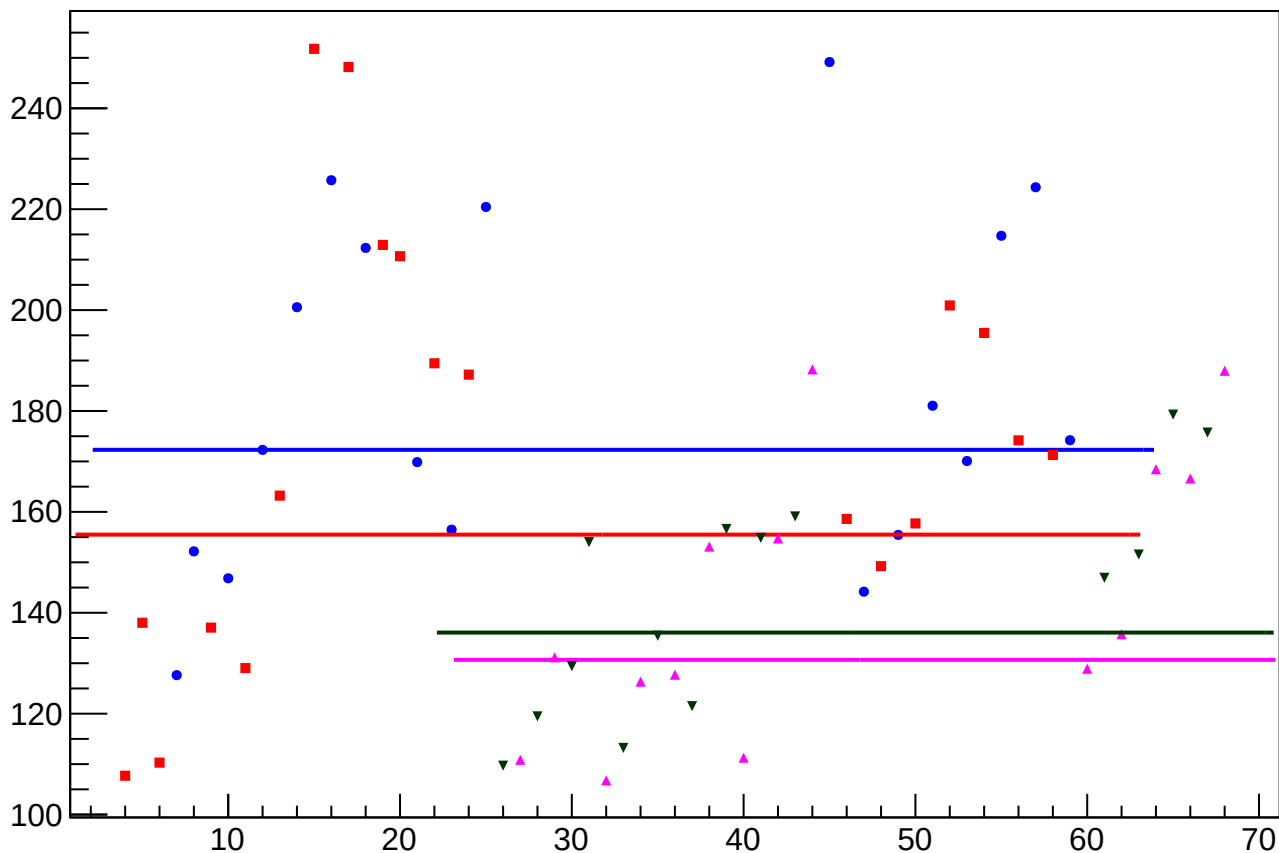
494.728+/-36.655 χ^2/NDF : 1542.1/31

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

524.910+/-34.417 χ^2/NDF : 8811.7/32

Left In: -377.248+/-46.532 χ^2/NDF : 316.5/13

asym_bcm0l02_rms vs slug



Right In: 172.303+/-0.037 χ^2/NDF : 600813.3/17

Left Out: 136.077+/-0.036 χ^2/NDF :337789.0/13

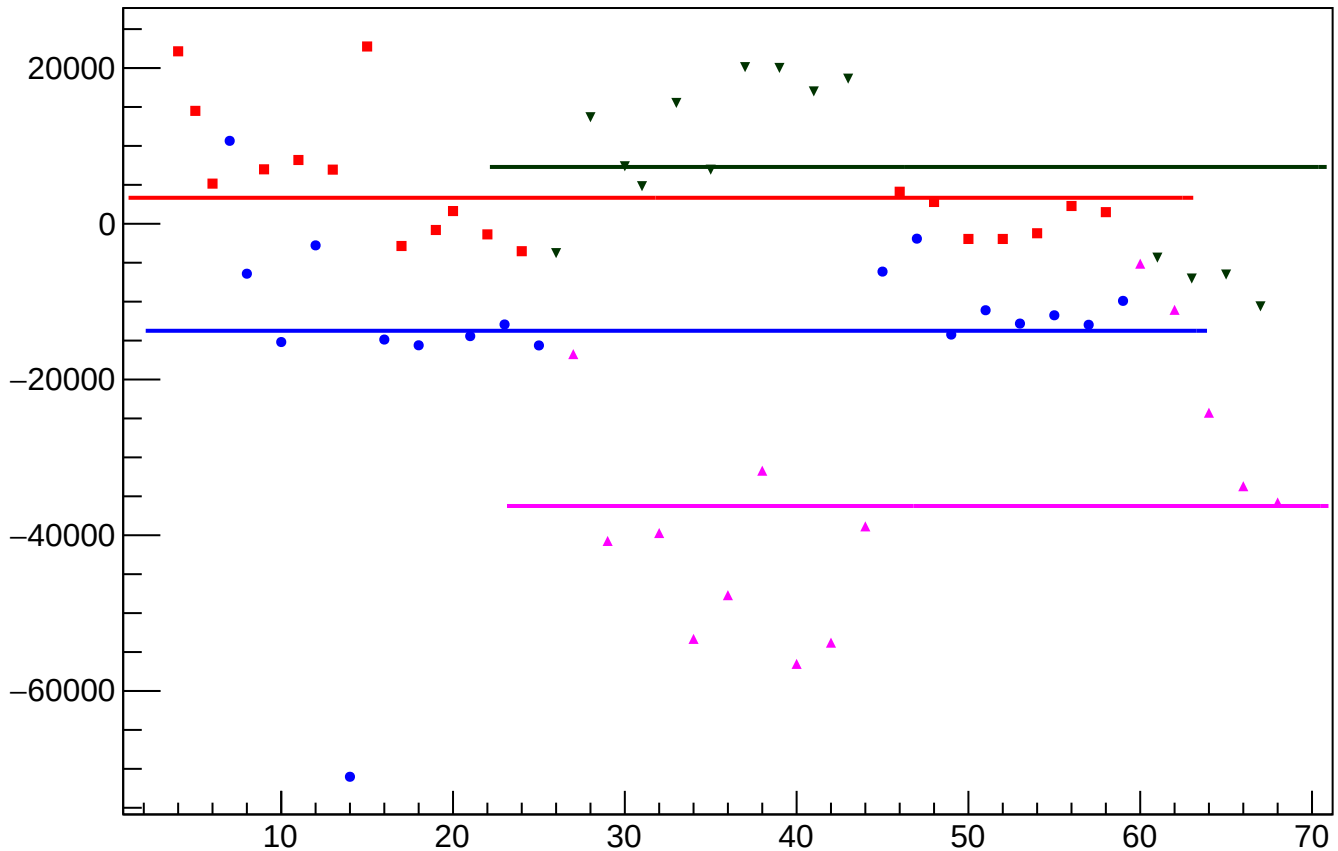
Right Out: 155.494+/-0.036 χ^2/NDF : 1018742.9/18

Left In: 130.672+/-0.033 χ^2/NDF :513588.0/13

153.646+/-0.026 χ^2/NDF : 1426534.1/31

141.915+/-0.024 χ^2/NDF : 1790106.3/32

asym_bpm2i01WS_mean vs slug



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

Left Out: 7297.960 ± 35.642 χ^2/NDF : 101112.7/13

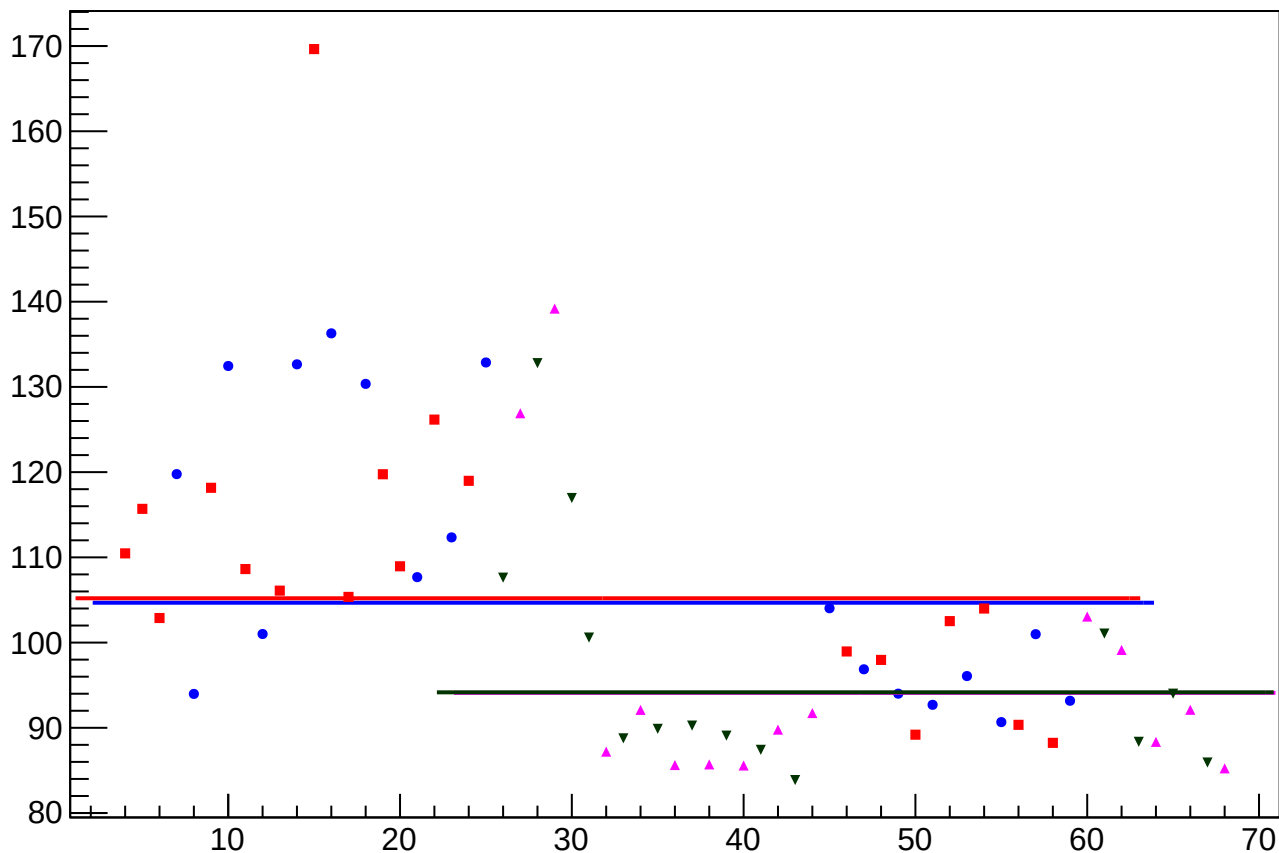
-4334.060 ± 23.833 χ^2/NDF : 515956.2/31

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

-16725.272 ± 24.056 χ^2/NDF : 888614.7/32

Left In: -36242.692 ± 33.788 χ^2/NDF : 180542.7/13

asym_bpm2i01WS_rms vs slug



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

Left Out: 94.162 $\pm$ 0.025 χ^2 /NDF:220270.0/13

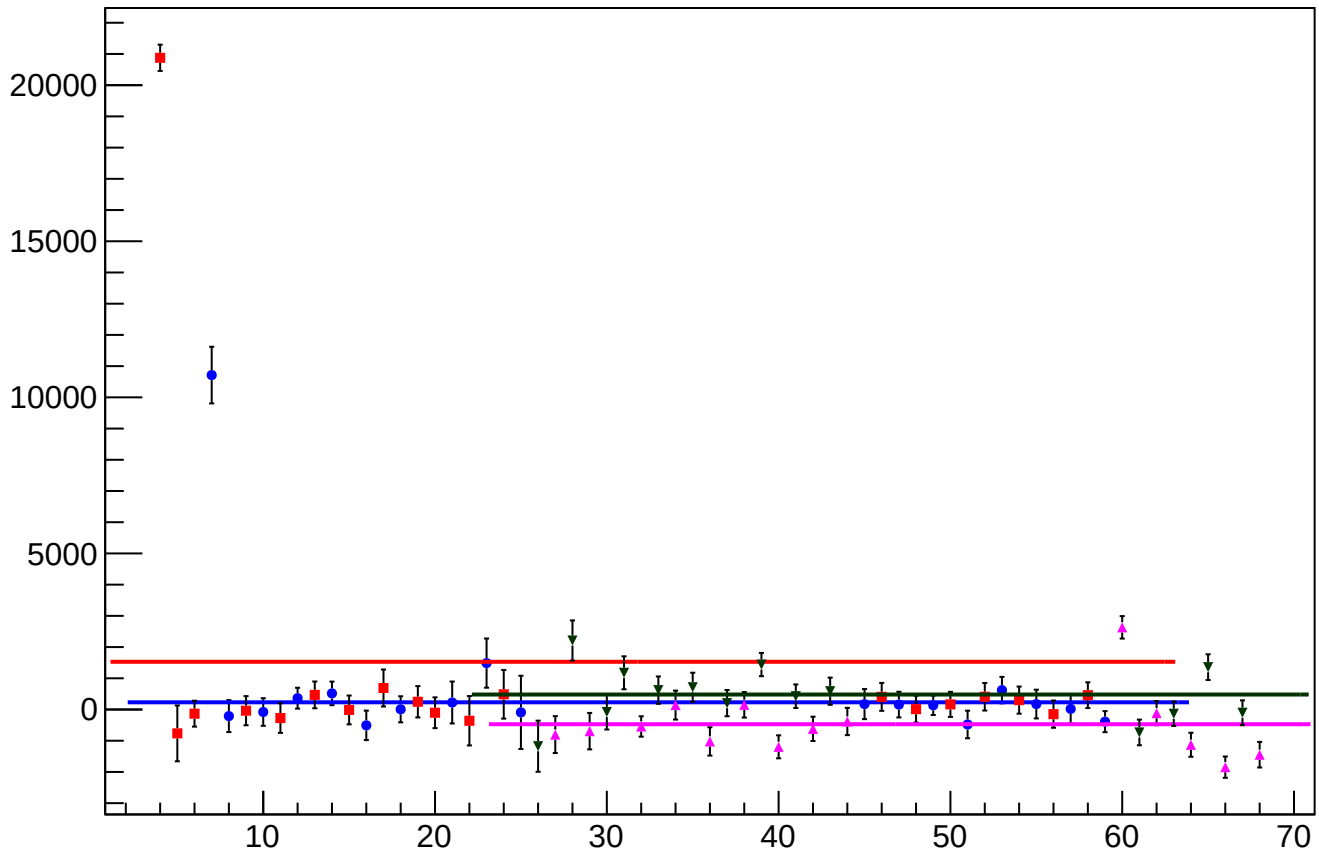
Right Out: 105.200 $\pm$ 0.024 χ^2 /NDF: 336723.5/18

Left In: 94.102 $\pm$ 0.024 χ^2 /NDF:341011.7/13

99.976 $\pm$ 0.017 χ^2 /NDF: 748247.5/31

99.574 $\pm$ 0.017 χ^2 /NDF: 784146.8/32

asym_bpm0i07WS_mean vs slug



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

Left Out: 479.901+/-119.171 χ^2/NDF : 39.4/13

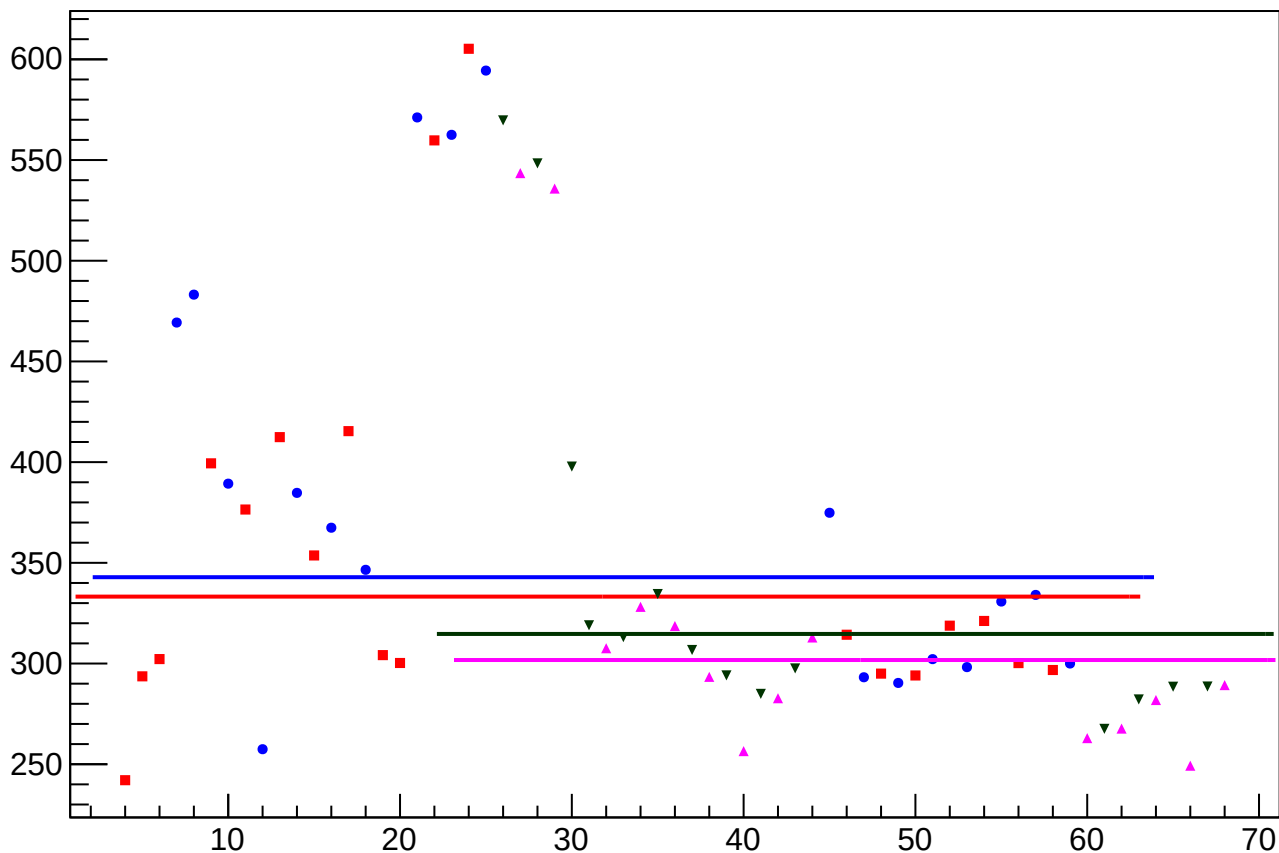
340.033+/-78.882 χ^2/NDF : 189.9/31

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

520.909+/-76.726 χ^2/NDF : 2554.1/32

Left In: -471.033+/-108.070 χ^2/NDF : 110.2/13

asym_bpm0i07WS_rms vs slug



Right In: 342.865 $\pm$ 0.074 χ^2 /NDF: 1018623.1/17

Left Out: 314.689 $\pm$ 0.084 χ^2 /NDF: 584304.3/13

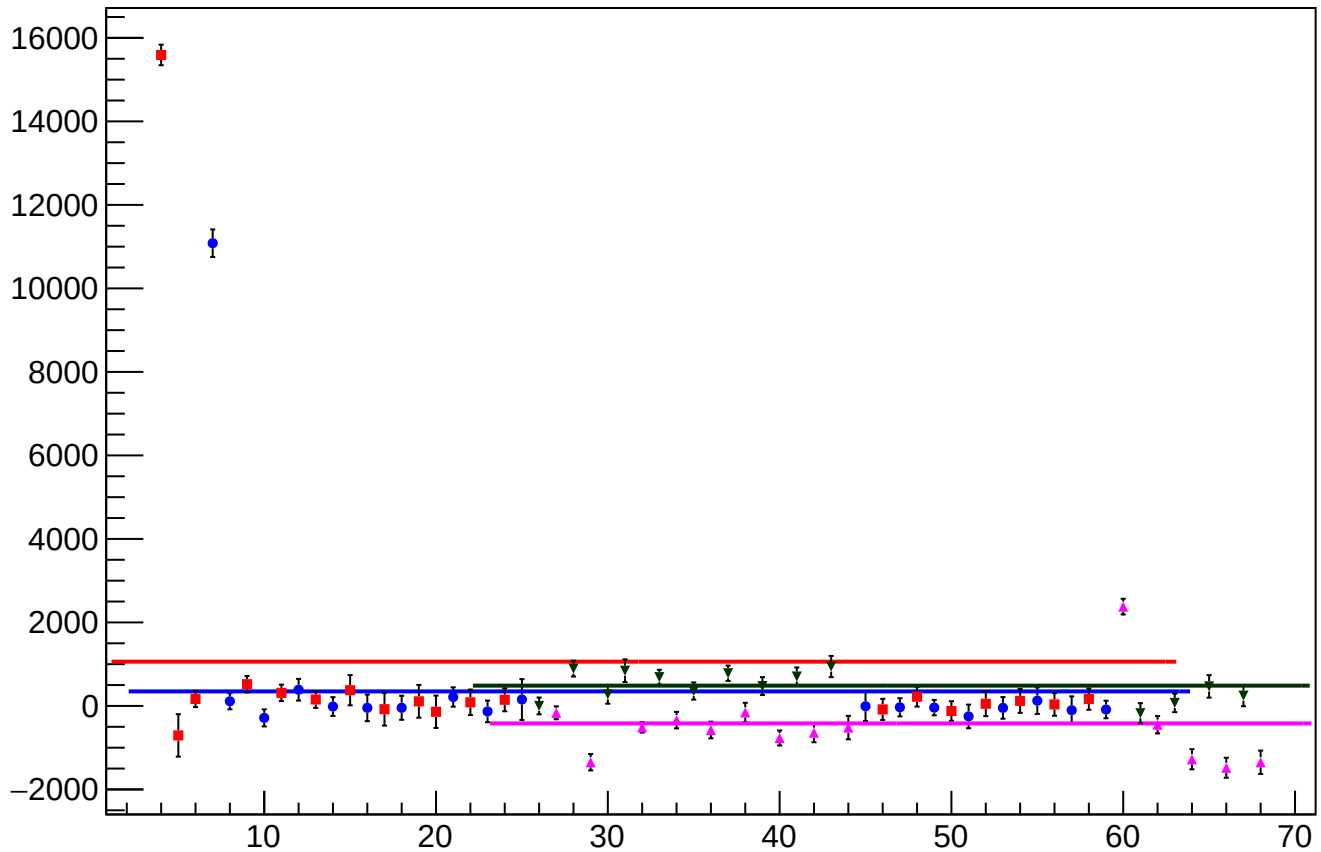
Right Out: 333.230 $\pm$ 0.077 χ^2 /NDF: 768934.3/18

Left In: 301.744 $\pm$ 0.076 χ^2 /NDF: 796503.6/13

330.520 $\pm$ 0.056 χ^2 /NDF: 1665742.7/31

317.360 $\pm$ 0.054 χ^2 /NDF: 1649634.0/32

asym_bpm0l01WS_mean vs slug



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

Left Out: 485.983 $\pm$ 58.120 χ^2 /NDF:33.5/13

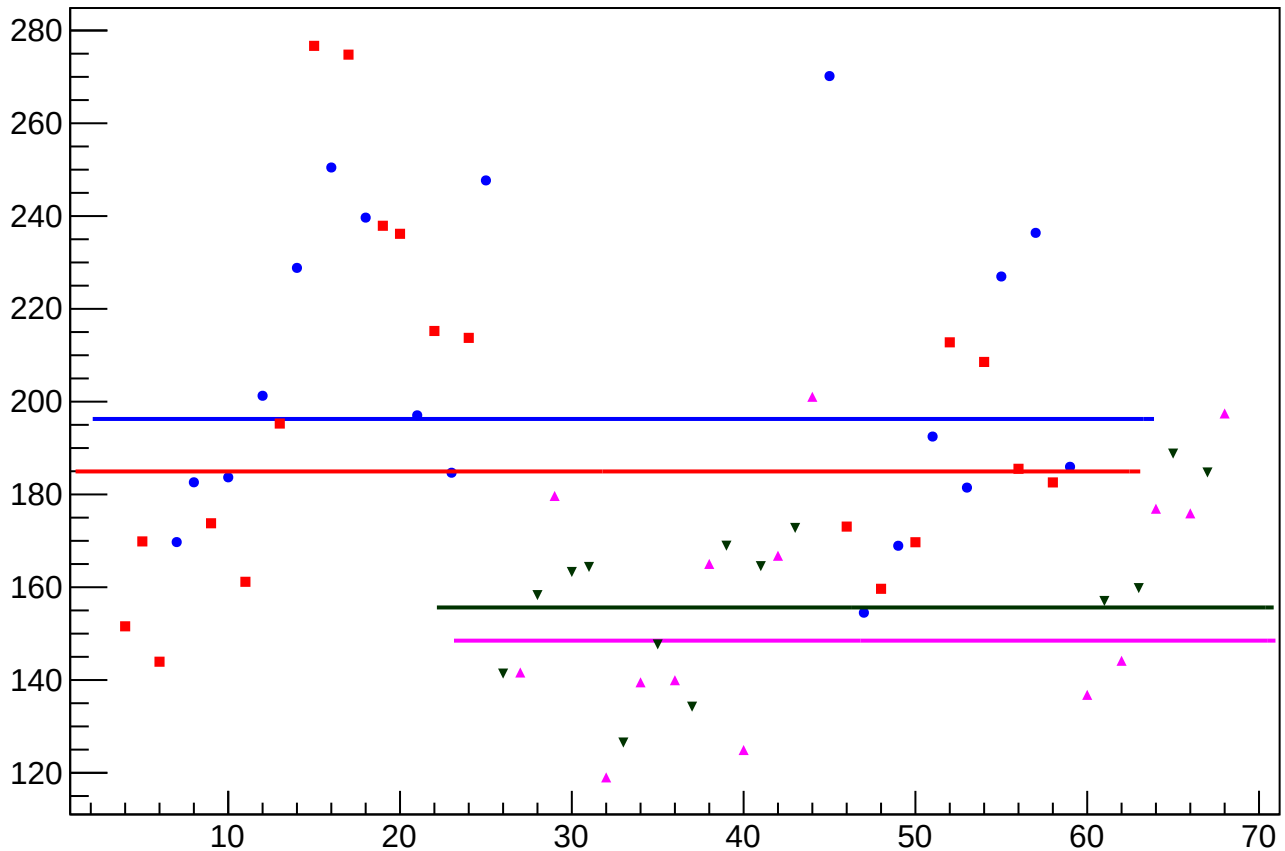
418.873 $\pm$ 41.625 χ^2 /NDF: 1139.5/31

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

224.217 $\pm$ 39.583 χ^2 /NDF: 4347.1/32

Left In: -418.545 $\pm$ 52.649 χ^2 /NDF:295.5/13

asym_bpm0l01WS_rms vs slug



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

Left Out: 155.640 $\pm$ 0.041 χ^2 /NDF:176473.5/13

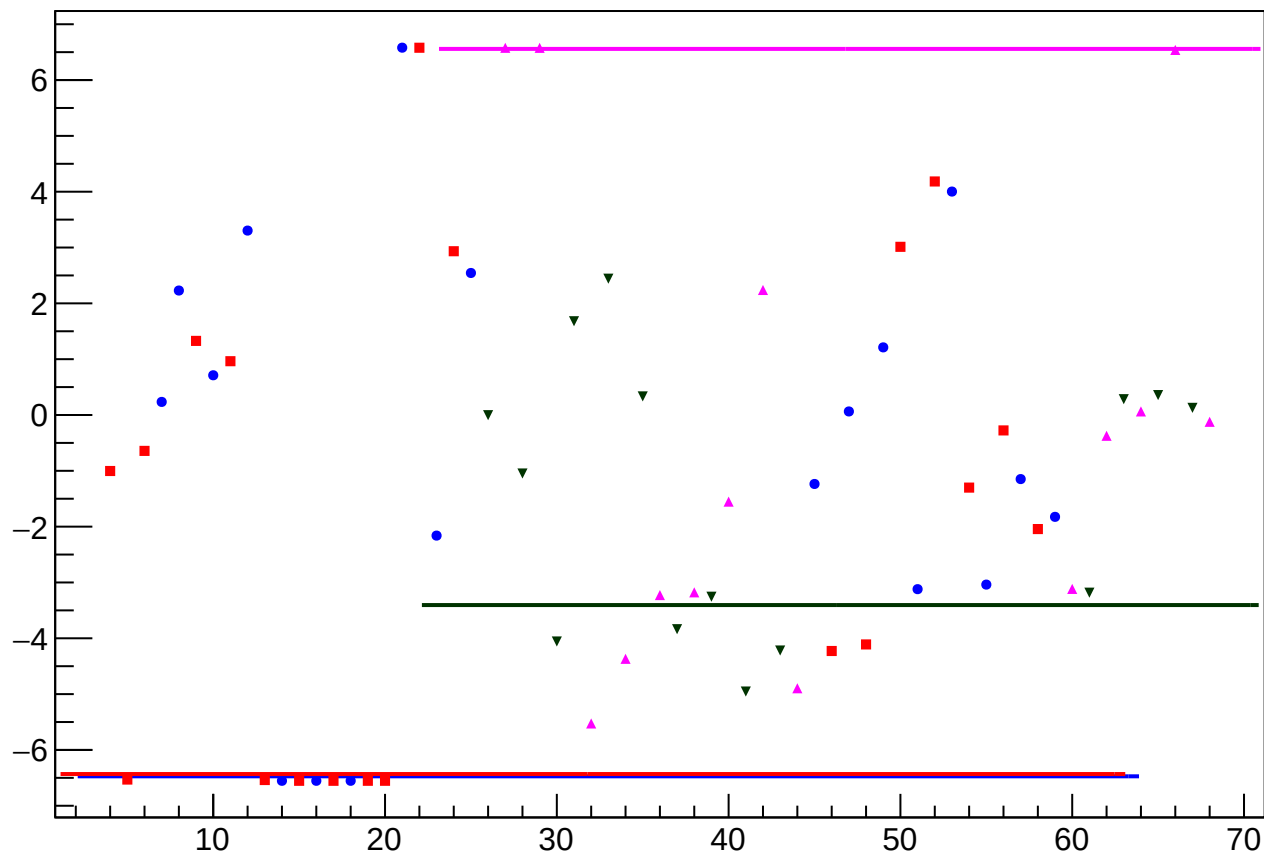
Right Out: 184.956 $\pm$ 0.042 χ^2 /NDF: 580645.4/18

Left In: 148.490 $\pm$ 0.037 χ^2 /NDF:421655.4/13

175.429 $\pm$ 0.029 χ^2 /NDF: 1118613.1/31

164.343 $\pm$ 0.028 χ^2 /NDF: 1419430.3/32

yield_cav4bX_mean vs slug



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

Left Out: -3.405+/-0.001 χ^2/NDF : 8651643.4/13

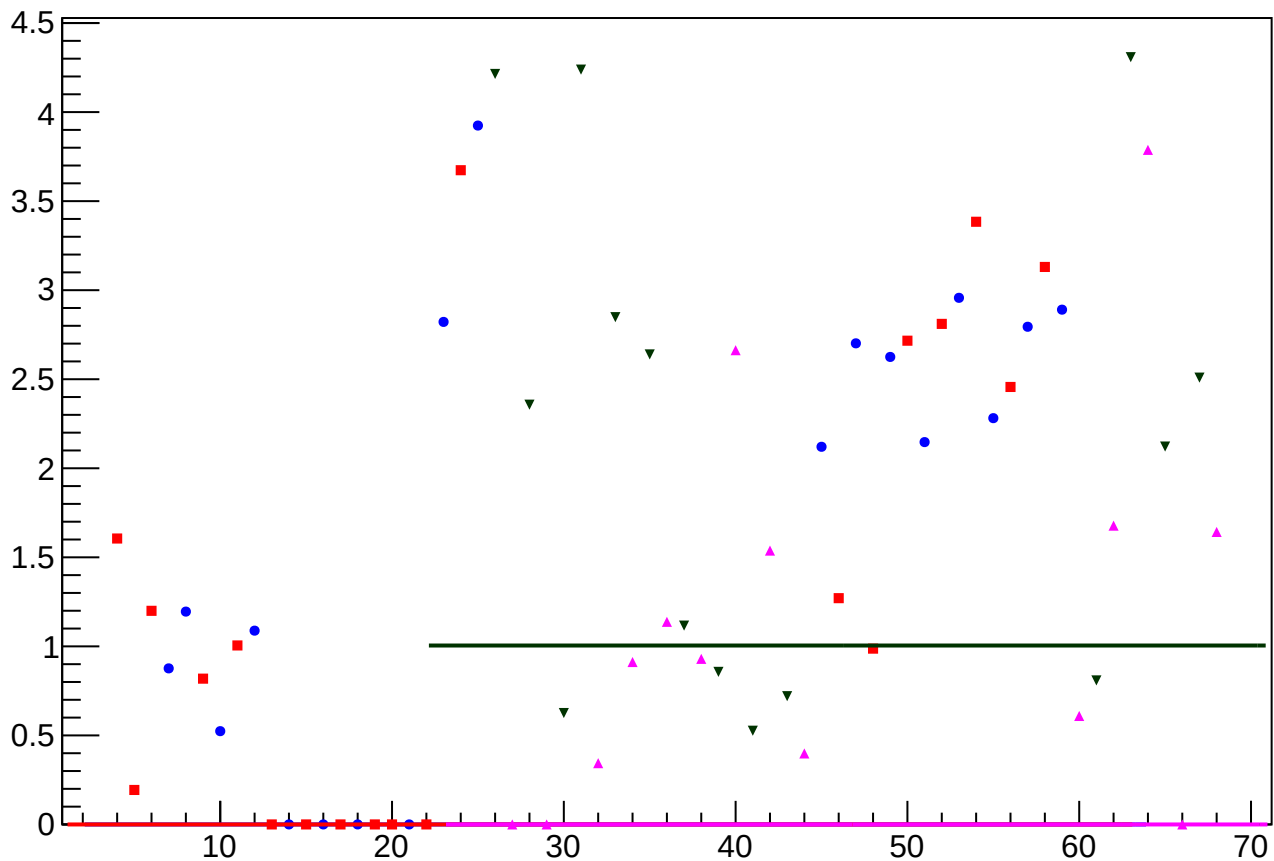
Right Out: -6.432+/-0.000 χ^2/NDF : 150837619676093.8/18

Left In: 6.558+/-0.000 χ^2/NDF : 1555691599.7/13

-6.473+/-0.000 χ^2/NDF : 127847988766994.6/3

-6.196+/-0.000 χ^2/NDF : 446402675101659.1/3

yield_cav4bX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 11913804.6/17

Left Out: 1.005+/-0.000 χ^2/NDF : 3711601.8/13

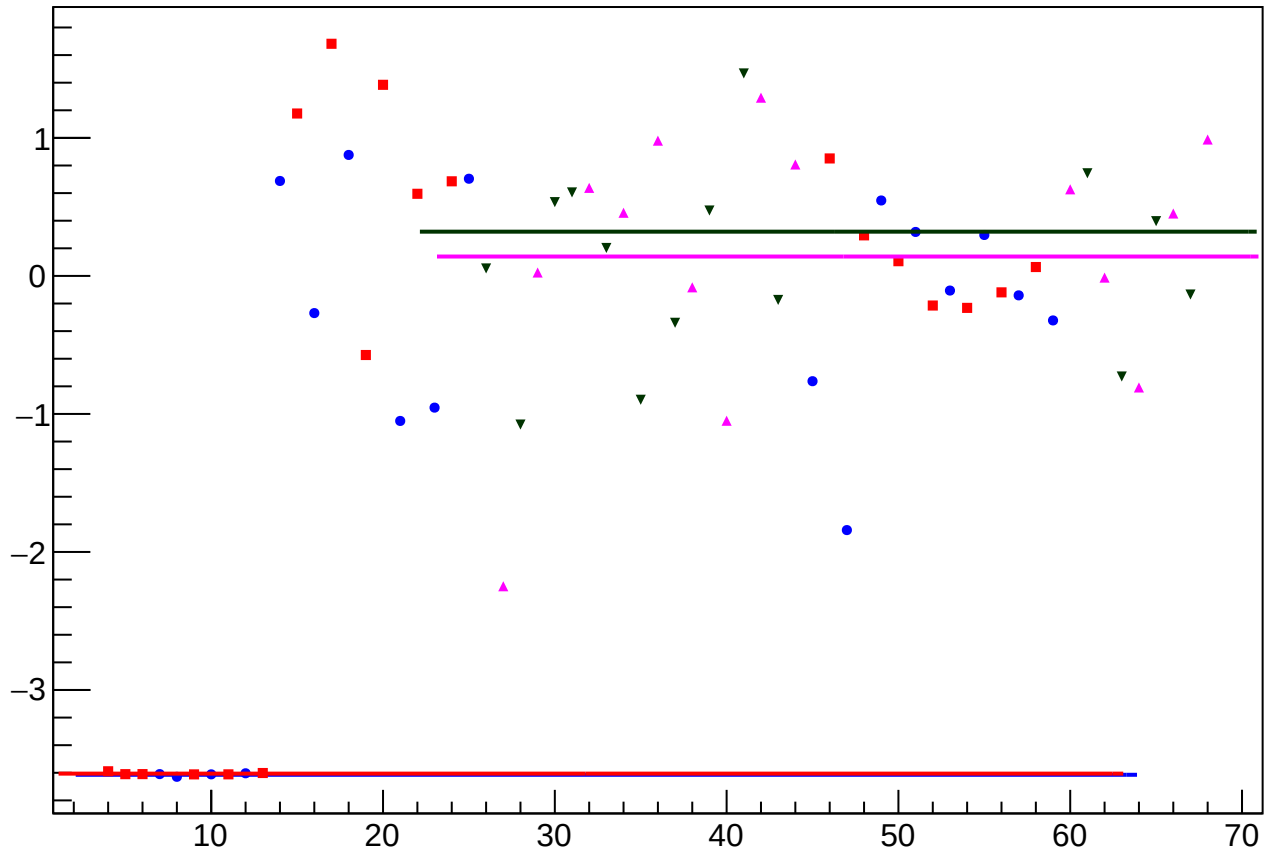
Right Out: 0.000+/-0.000 χ^2/NDF : 9626570.5/18

Left In: 0.000+/-0.000 χ^2/NDF : 7970932.0/13

0.000+/-0.000 χ^2/NDF : 22229509.7/31

0.000+/-0.000 χ^2/NDF : 17597559.6/32

yield_cav4bY_mean vs slug



Right In: -3.614+/-0.000 χ^2/NDF : 49086055221.8/17

-3.614+/-0.000 χ^2/NDF : 49258202455.6/31

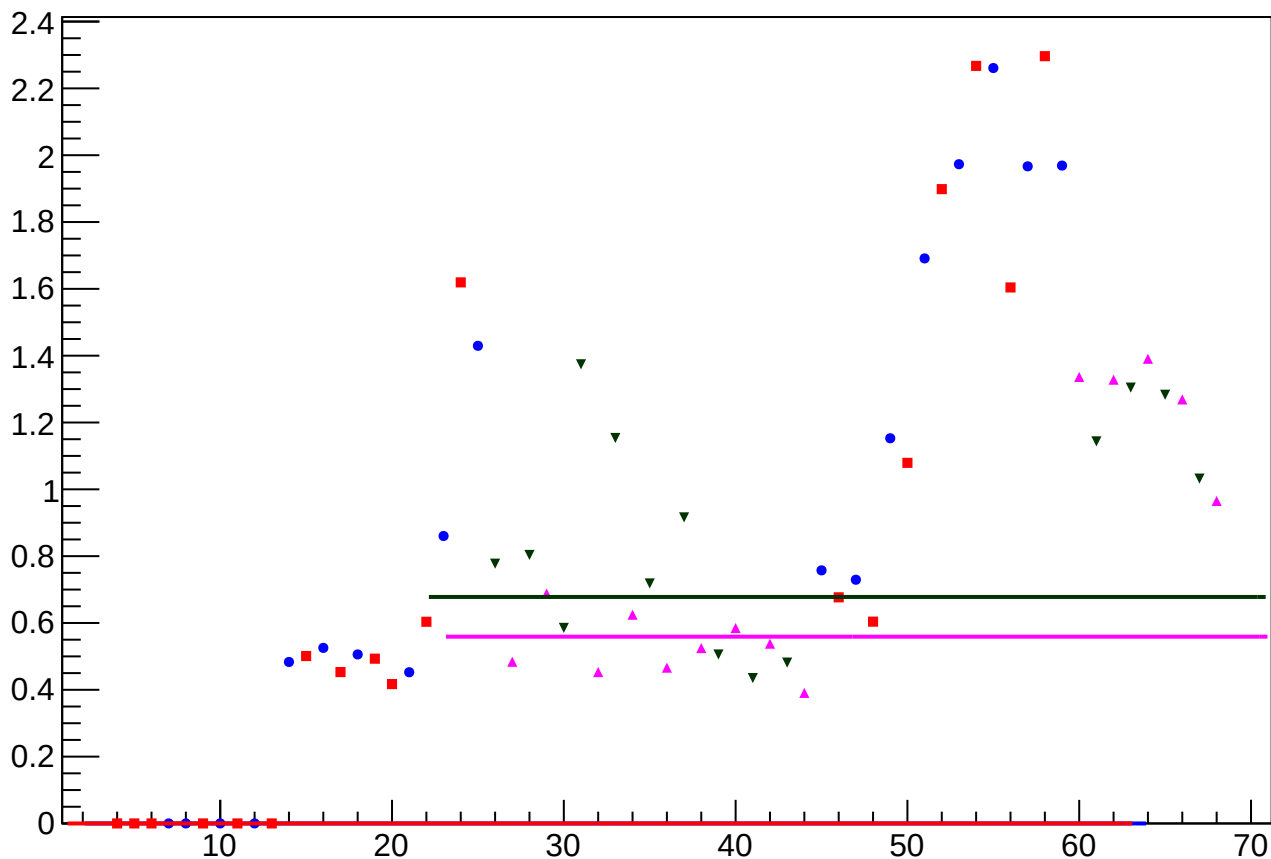
Left Out: 0.321+/-0.000 χ^2/NDF : 7147127.4/13

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

-3.606+/-0.000 χ^2/NDF : 38057773529.1/32

Left In: 0.140+/-0.000 χ^2/NDF : 20812918.3/13

yield_cav4bY_rms vs slug



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

Left Out: 0.678+/-0.000 χ^2/NDF :1554202.6/13

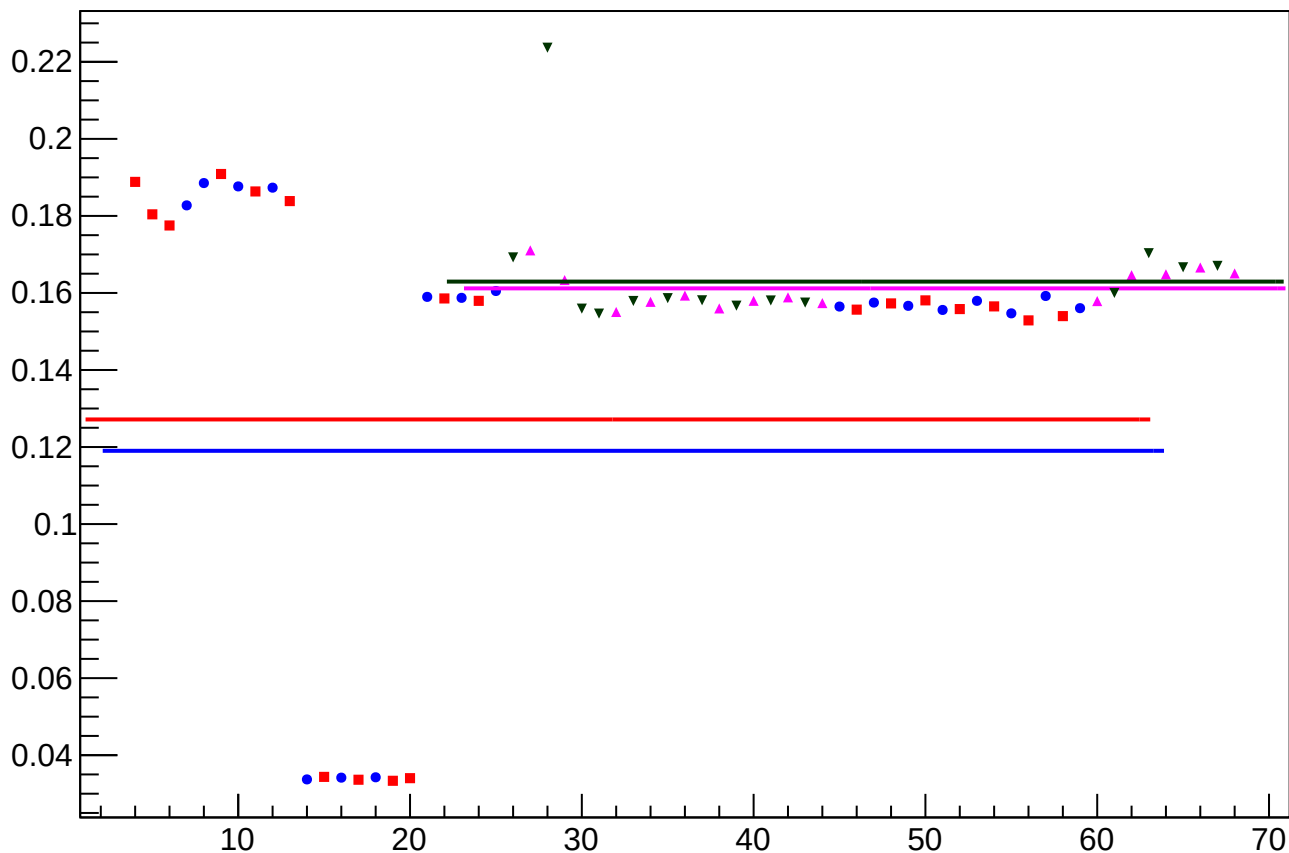
Right Out: 0.000+/-0.000 χ^2/NDF : 10531530.4/18

Left In: 0.559+/-0.000 χ^2/NDF :1816872.6/13

0.000+/-0.000 χ^2/NDF : 25125240.8/31

0.000+/-0.000 χ^2/NDF : 23220264.1/32

yield_cav4cX_mean vs slug



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

Left Out: 0.163+/-0.000 χ^2/NDF :102482292.1/13

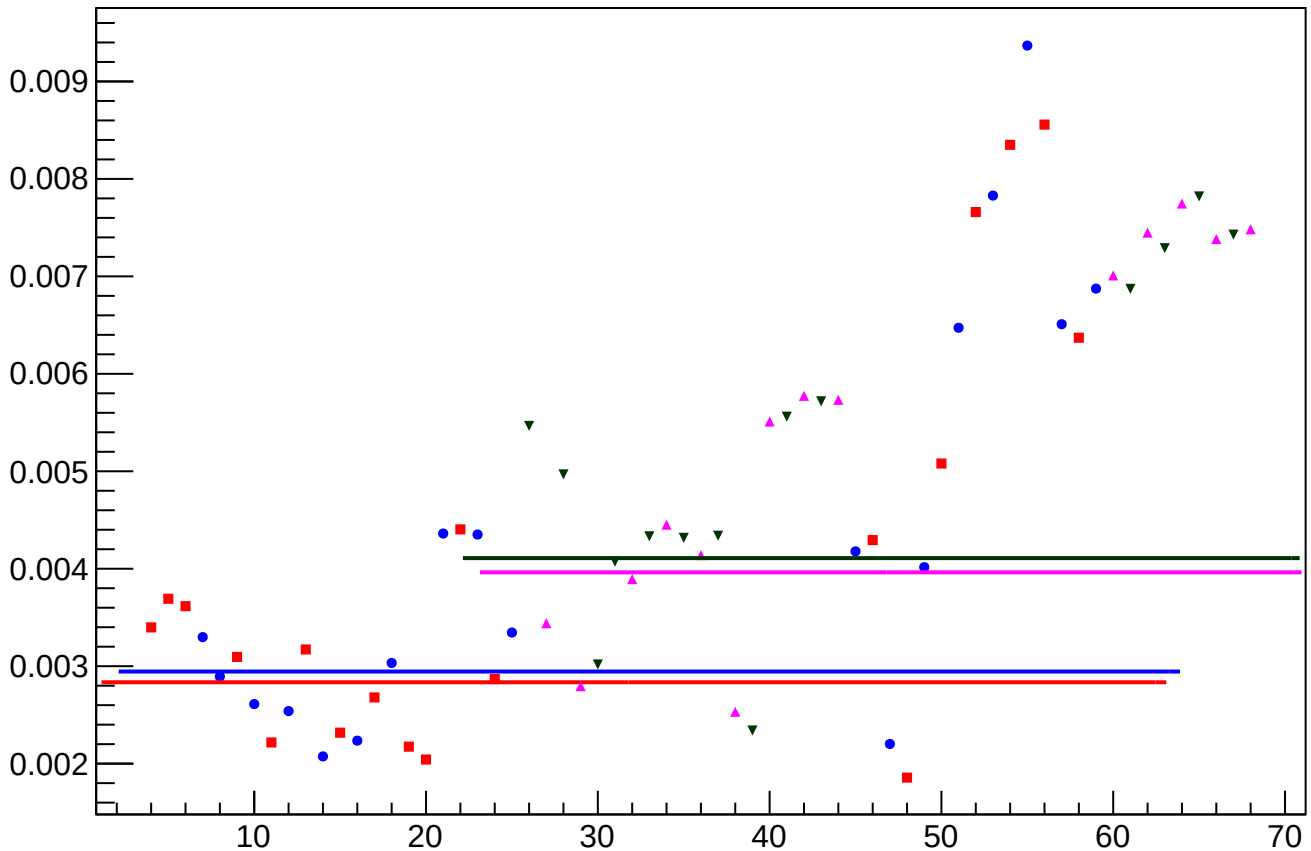
Right Out: 0.127+/-0.000 χ^2/NDF : 4426693928.8/18

Left In: 0.161+/-0.000 χ^2/NDF :12438085.9/13

0.130+/-0.000 χ^2/NDF : 5594017773.6/31

0.137+/-0.000 χ^2/NDF : 4788649718.6/32

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 :1707507.8/13

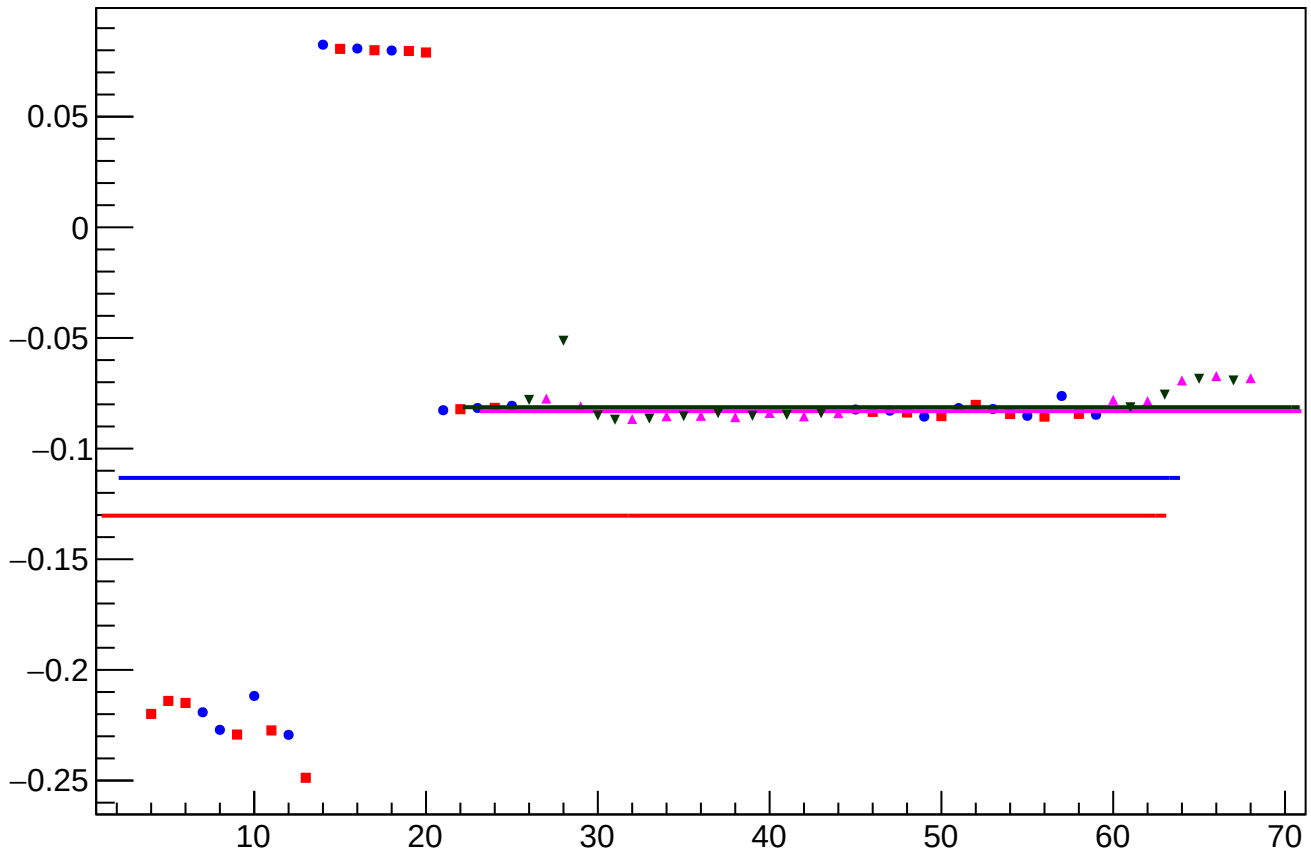
Right Out: 0.003+/-0.000 χ^2/NDF : 2697291.9/18

Left In: 0.004+/-0.000 χ^2/NDF :1945896.5/13

0.003+/-0.000 χ^2/NDF : 5418413.4/31

0.003+/-0.000 χ^2/NDF : 5411332.6/32

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 : 37619237.7/13

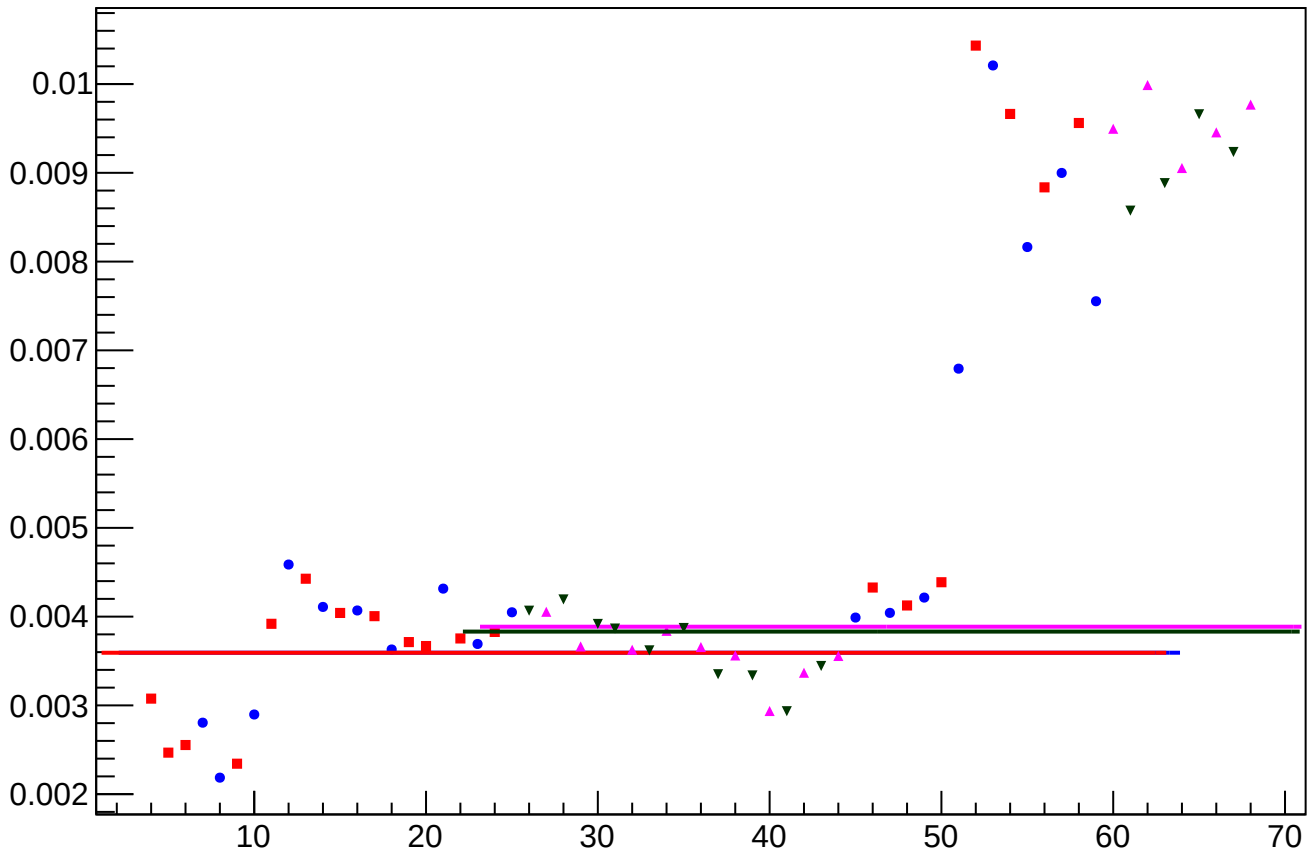
-0.101 ± 0.000 χ^2/NDF : 10001766500.1/31

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

-0.111 ± 0.000 χ^2/NDF : 9461140257.5/32

Left In: -0.083 ± 0.000 χ^2/NDF : 7333736.4/13

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 :1312792.4/13

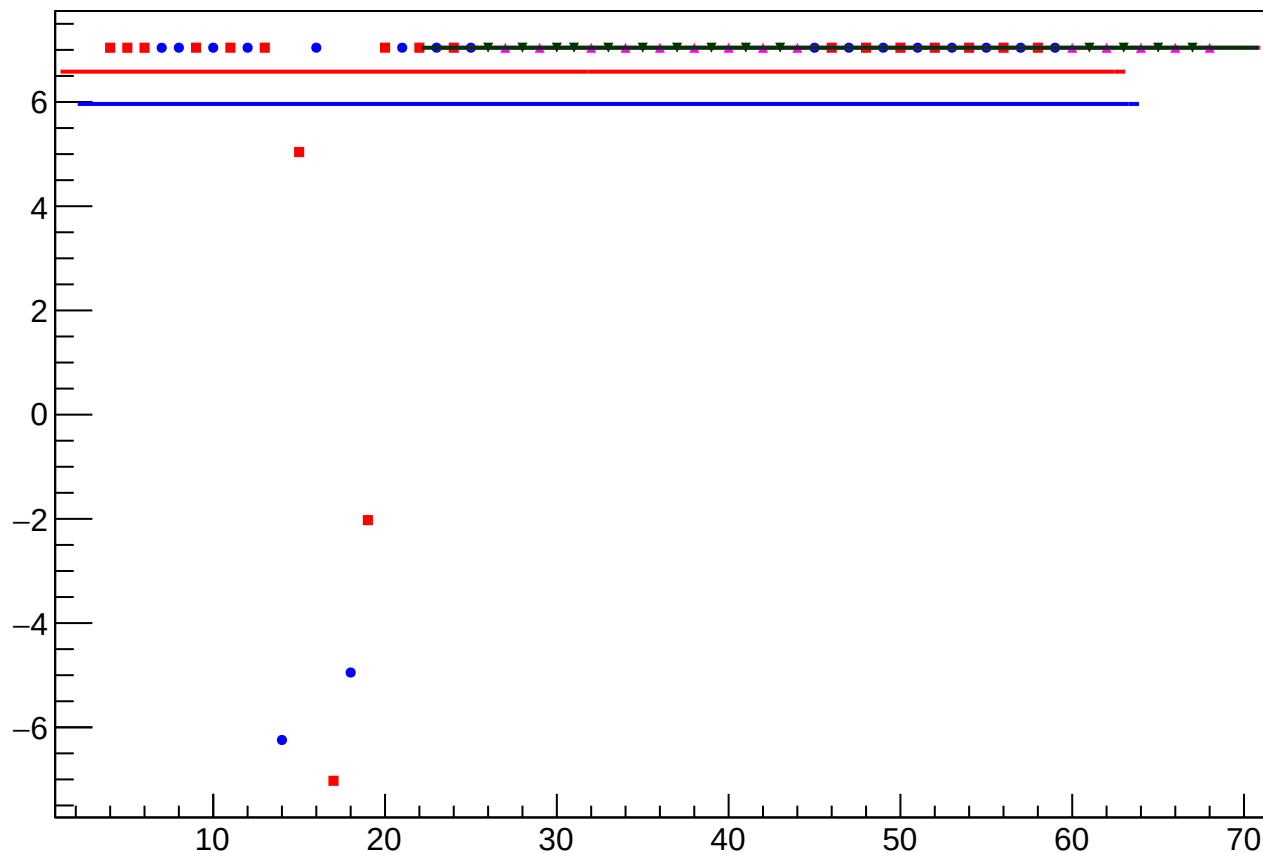
Right Out: 0.004+/-0.000 χ^2/NDF : 2225355.5/18

Left In: 0.004+/-0.000 χ^2/NDF :1678553.6/13

0.004+/-0.000 χ^2/NDF : 3979100.5/31

0.004+/-0.000 χ^2/NDF : 3949171.2/32

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: 6662986.9/13

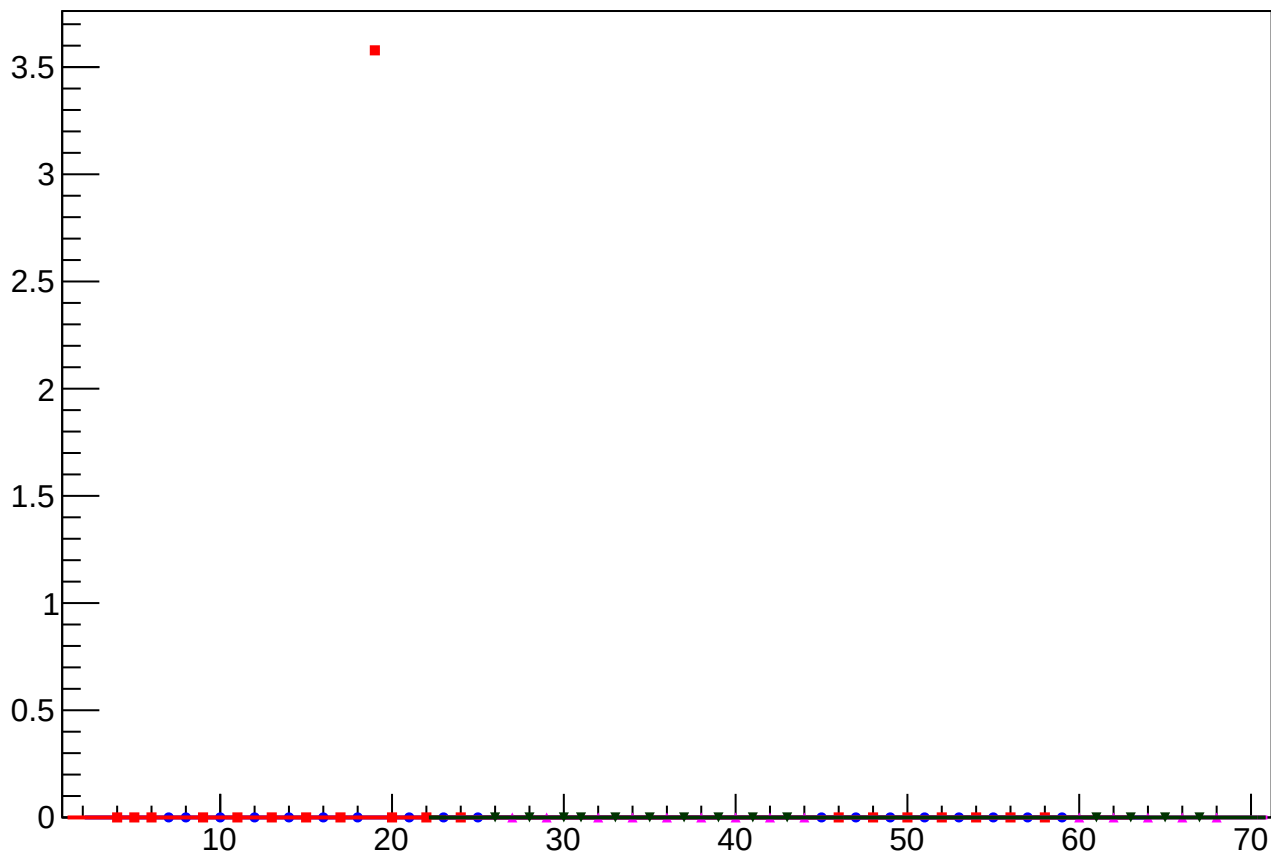
Right Out: 6.582 $\pm$ 0.000 χ^2 /NDF: 1856853993700647.2/18

Left In: 7.042 $\pm$ 0.000 χ^2 /NDF: 8083033.7/13

6.433 $\pm$ 0.000 χ^2 /NDF: 4797682110584745.0/3

6.815 $\pm$ 0.000 χ^2 /NDF: 1889591830037776.2/3

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 :1683.1/13

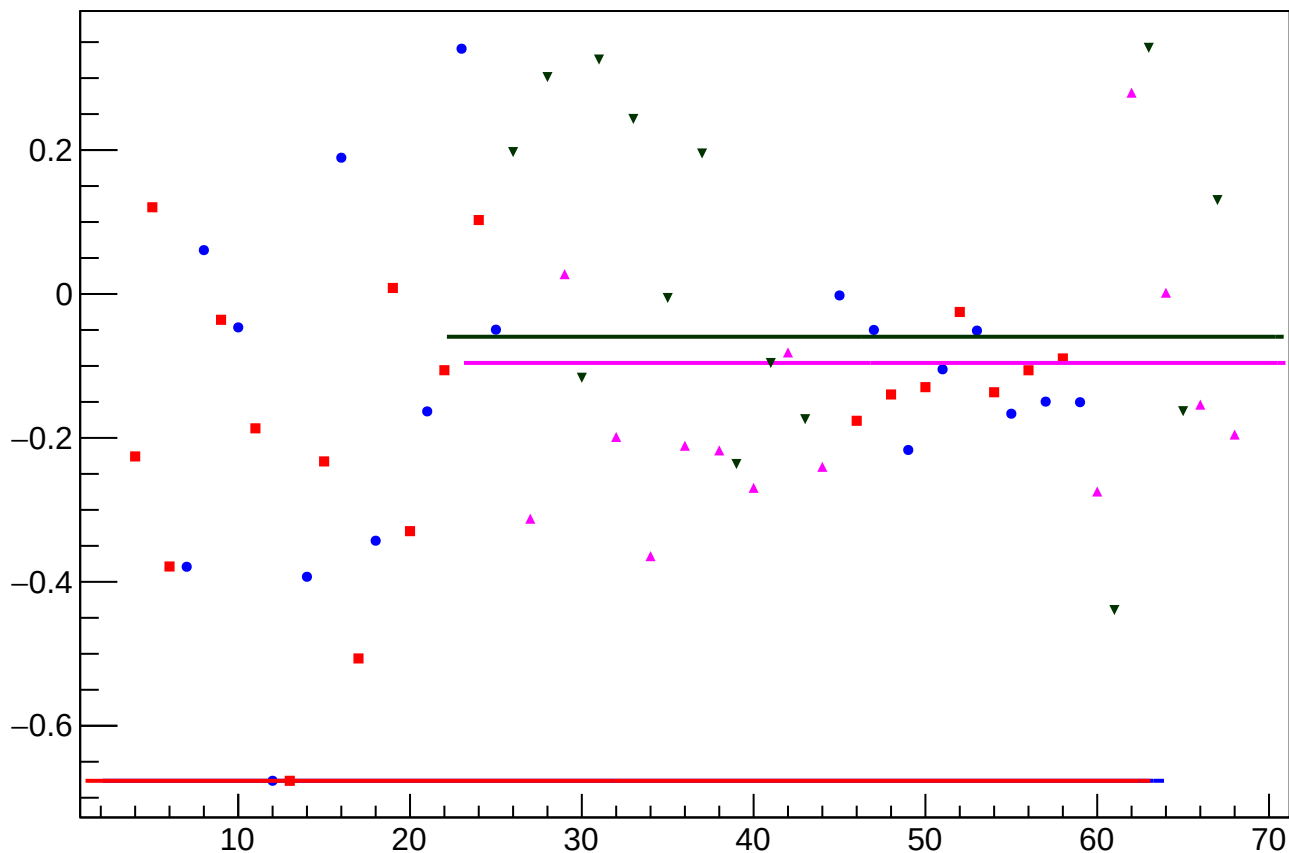
Right Out: 0.000+/-0.000 χ^2/NDF : 697661.6/18

Left In: 0.000+/-0.000 χ^2/NDF :2044.0/13

0.000+/-0.000 χ^2/NDF : 7550.4/31

0.000+/-0.000 χ^2/NDF : 702979.7/32

yield_cav4dY_mean vs slug



Right In: -0.676+/-0.000 χ^2 /NDF: 266364367.2/17

Left Out: -0.059+/-0.000 χ^2 /NDF:28427761.2/13

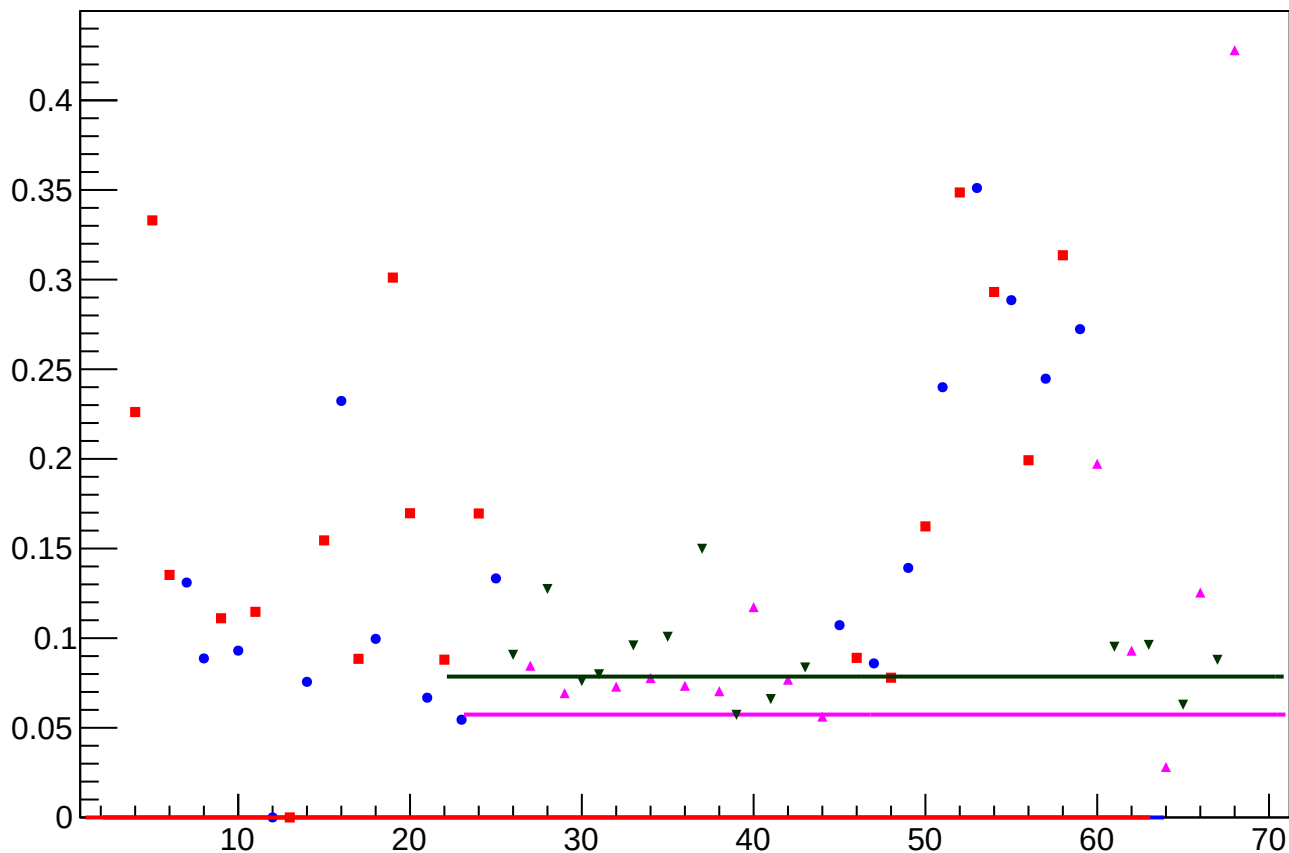
Right Out: -0.676+/-0.000 χ^2 /NDF: 102004552.0/18

Left In: -0.096+/-0.000 χ^2 /NDF:23786187.7/13

-0.676+/-0.000 χ^2 /NDF: 539039769.6/31

-0.676+/-0.000 χ^2 /NDF: 544487949.1/32

yield_cav4dY_rms vs slug



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

Left Out: 0.079+/-0.000 χ^2/NDF : 537416.0/13

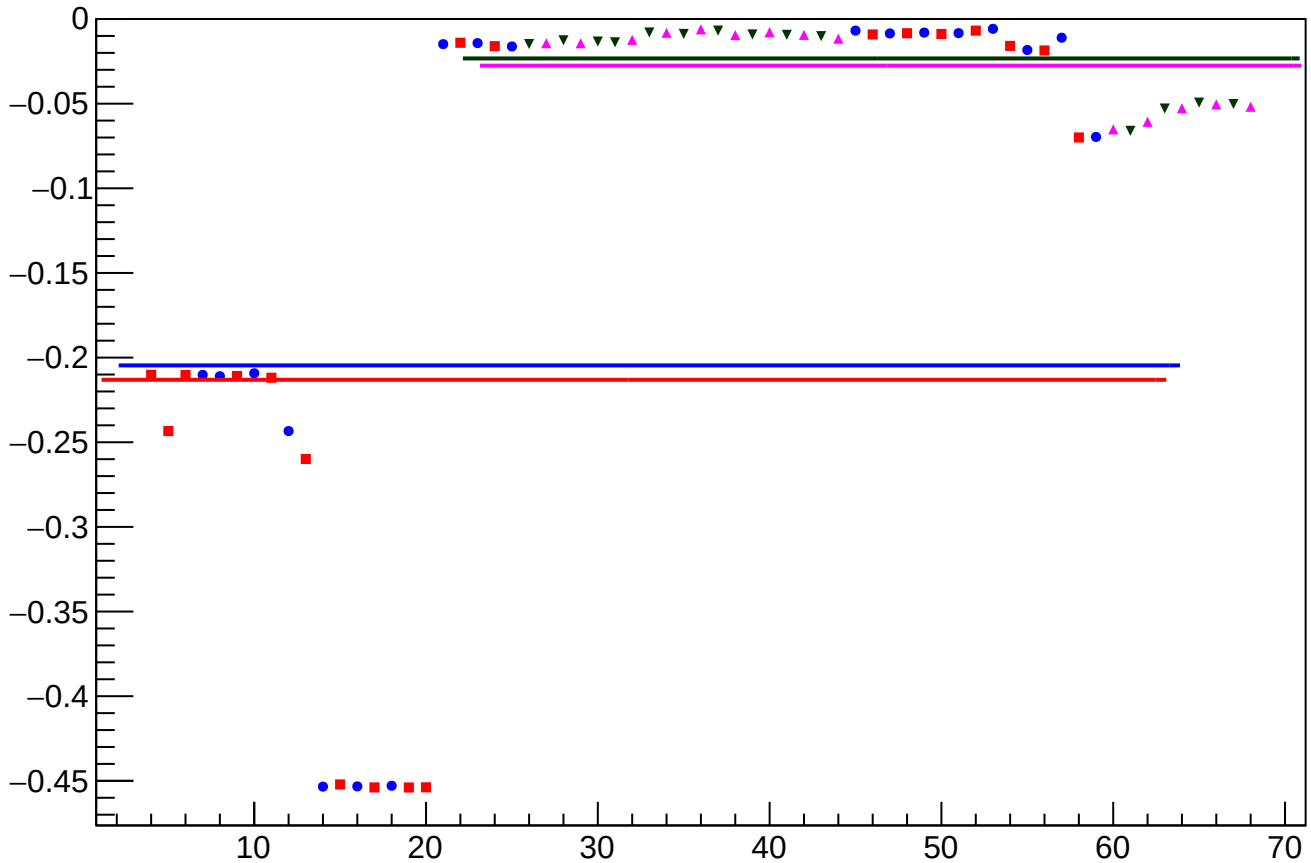
Right Out: 0.000+/-0.000 χ^2/NDF : 13760955.7/18

Left In: 0.057+/-0.000 χ^2/NDF : 2771610.3/13

0.000+/-0.000 χ^2/NDF : 24645016.8/31

0.000+/-0.000 χ^2/NDF : 24706039.3/32

yield_bpm4aX_mean vs slug



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

Left Out: -0.023+/-0.000 χ^2/NDF : 33110979.5/13

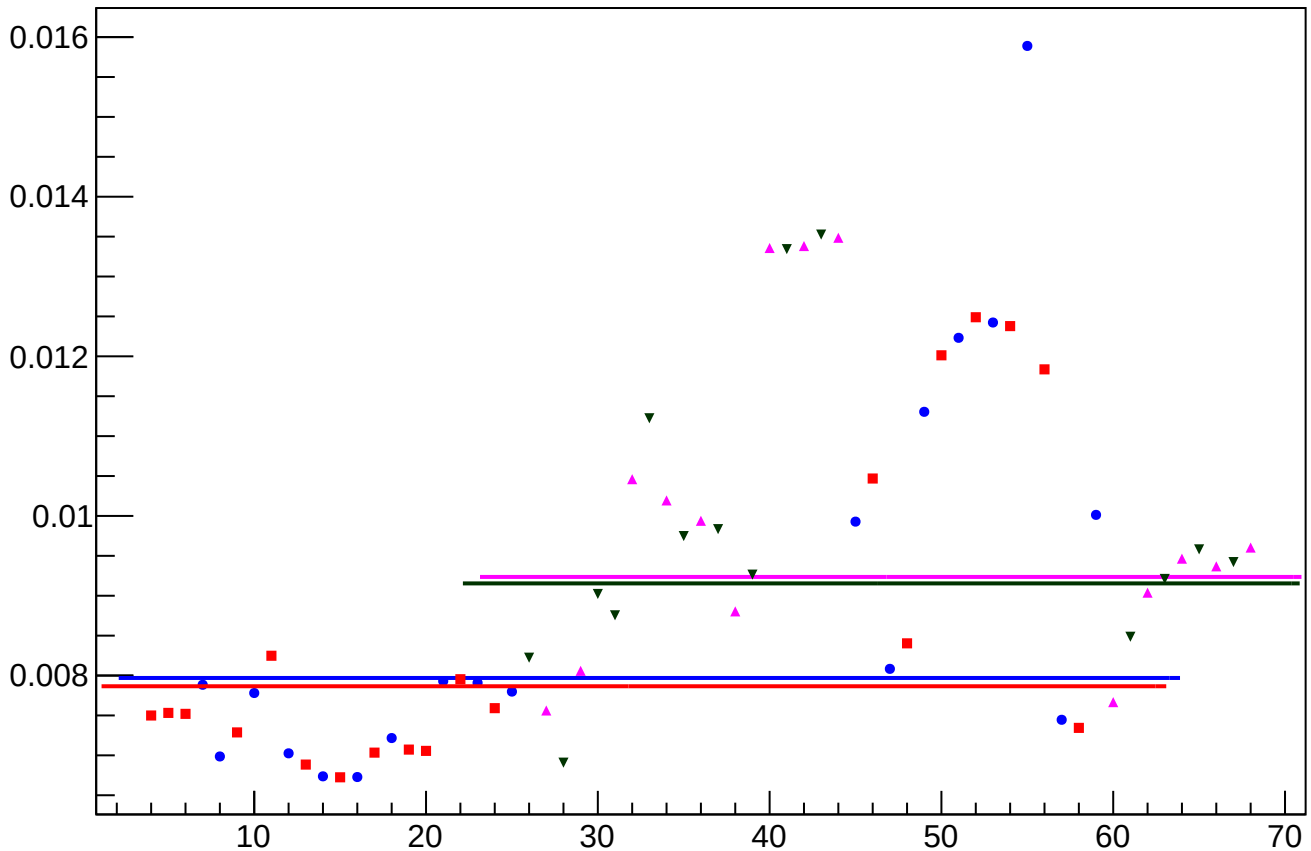
-0.144+/-0.000 χ^2/NDF : 7399822978.3/31

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

-0.144+/-0.000 χ^2/NDF : 6169375938.9/32

Left In: -0.028+/-0.000 χ^2/NDF : 44769144.6/13

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 : 418312.4/13

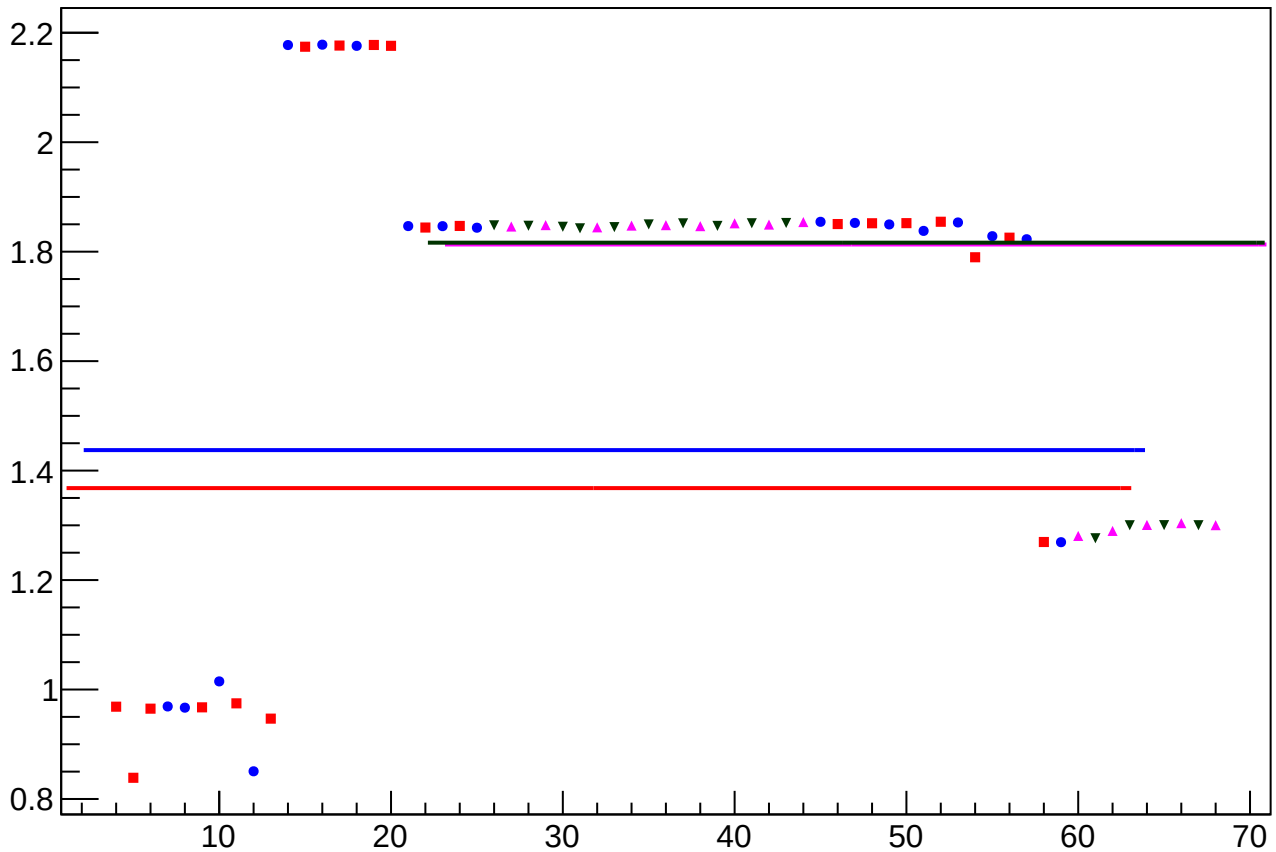
Right Out: 0.008+/-0.000 χ^2/NDF : 696189.4/18

Left In: 0.009+/-0.000 χ^2/NDF : 500248.4/13

0.008+/-0.000 χ^2/NDF : 1518074.8/31

0.008+/-0.000 χ^2/NDF : 1412521.4/32

yield_bpm4aY_mean vs slug



Right In: 1.437+/-0.000 χ^2/NDF : 14236590294.3/17

Left Out: 1.816+/-0.000 χ^2/NDF : 494181966.2/13

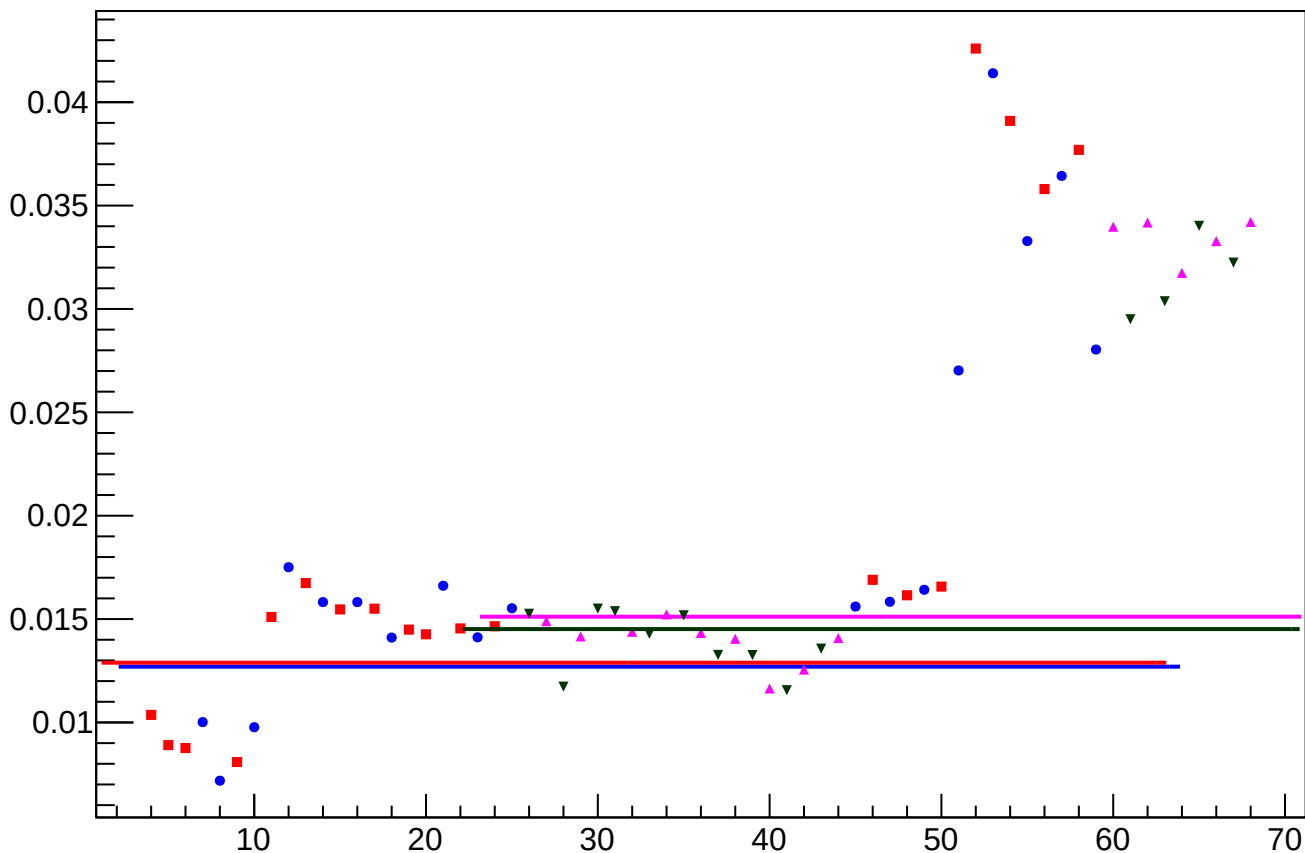
1.570+/-0.000 χ^2/NDF : 17477664797.8/31

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

1.540+/-0.000 χ^2/NDF : 16832406883.7/32

Left In: 1.813+/-0.000 χ^2/NDF : 552910844.0/13

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 :1159743.6/13

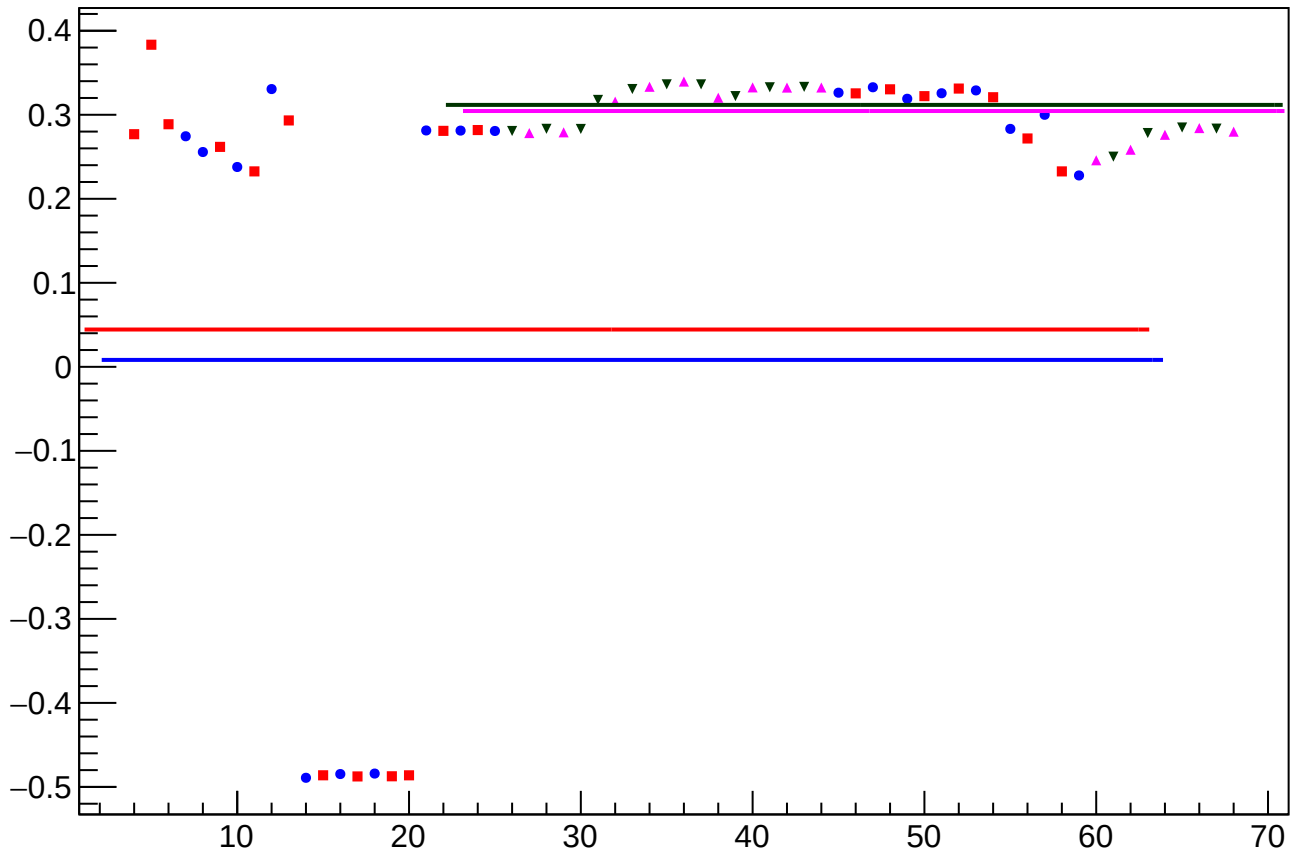
Right Out: 0.013+/-0.000 χ^2/NDF : 2814614.5/18

Left In: 0.015+/-0.000 χ^2/NDF :1446405.6/13

0.013+/-0.000 χ^2/NDF : 4820973.8/31

0.014+/-0.000 χ^2/NDF : 4445208.2/32

yield_bpm4eX_mean vs slug



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

Left Out: 0.312 $\pm$ 0.000 χ^2 /NDF:6710709.8/13

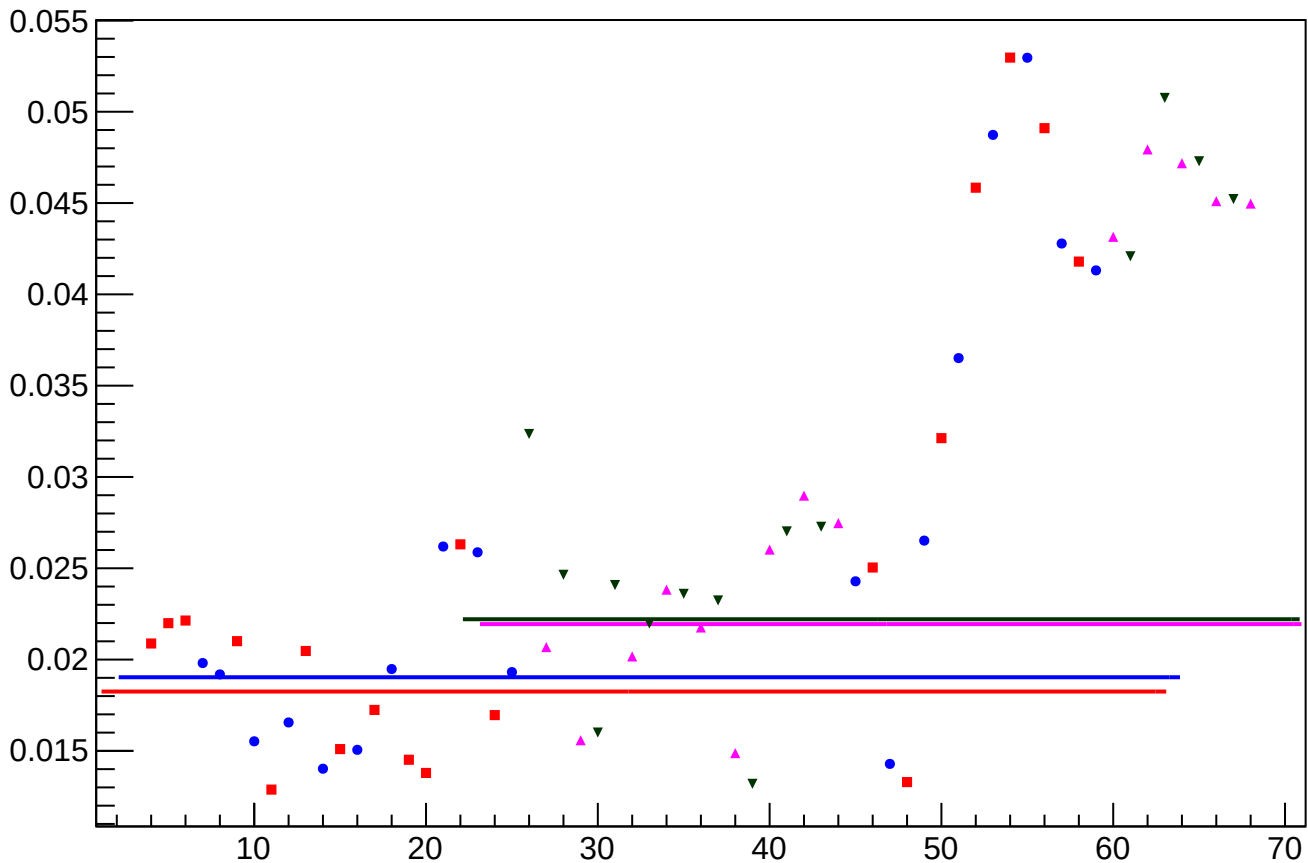
0.106 $\pm$ 0.000 χ^2 /NDF: 4357717850.9/31

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

0.138 $\pm$ 0.000 χ^2 /NDF: 3772101899.0/32

Left In: 0.304 $\pm$ 0.000 χ^2 /NDF:9262657.1/13

yield_bpm4eX_rms vs slug



Right In: 0.019+/-0.000 χ^2/NDF : 2594784.8/17

Left Out: 0.022+/-0.000 χ^2/NDF :1839513.6/13

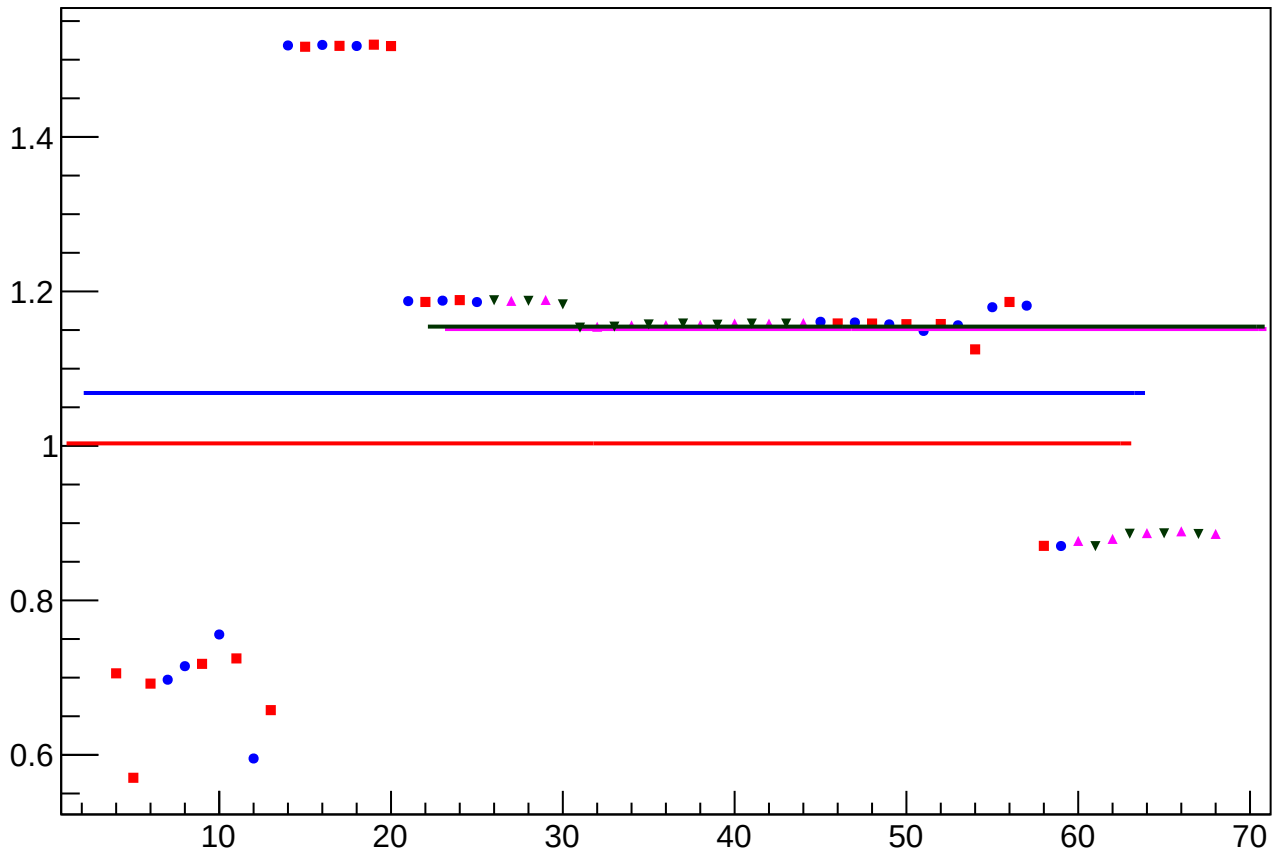
Right Out: 0.018+/-0.000 χ^2/NDF : 2485378.5/18

Left In: 0.022+/-0.000 χ^2/NDF :1928503.4/13

0.020+/-0.000 χ^2/NDF : 4601240.7/31

0.020+/-0.000 χ^2/NDF : 4658211.7/32

yield_bpm4eY_mean vs slug



Right In: 1.069+/-0.000 χ^2/NDF : 10548206682.3/17

Left Out: 1.154+/-0.000 χ^2/NDF : 218772796.7/13

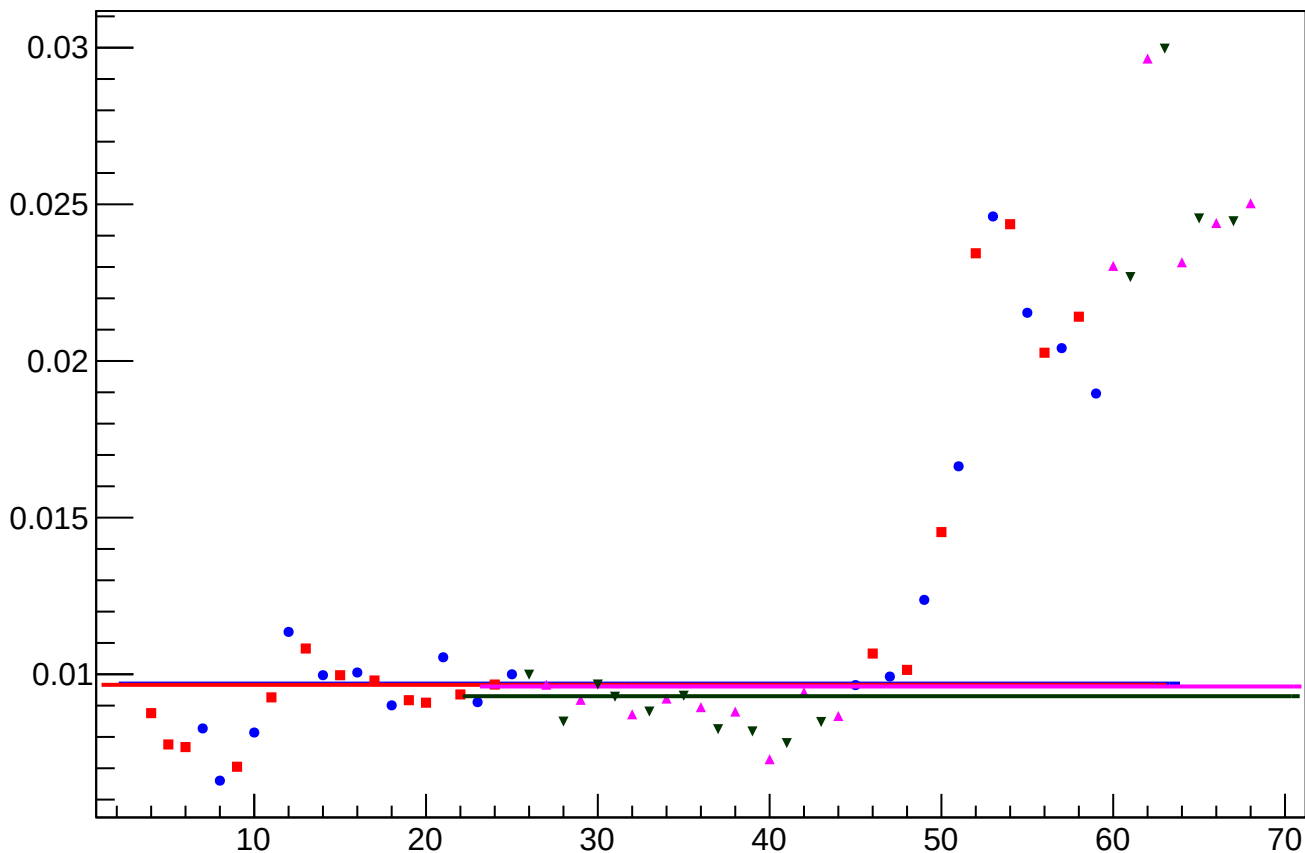
1.104+/-0.000 χ^2/NDF : 11074051583.5/31

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

1.069+/-0.000 χ^2/NDF : 11460126996.3/32

Left In: 1.151+/-0.000 χ^2/NDF : 280345667.5/13

yield_bpm4eY_rms vs slug



Right In: 0.010+/-0.000 χ^2/NDF : 1905622.6/17

Left Out: 0.009+/-0.000 χ^2/NDF :1474486.7/13

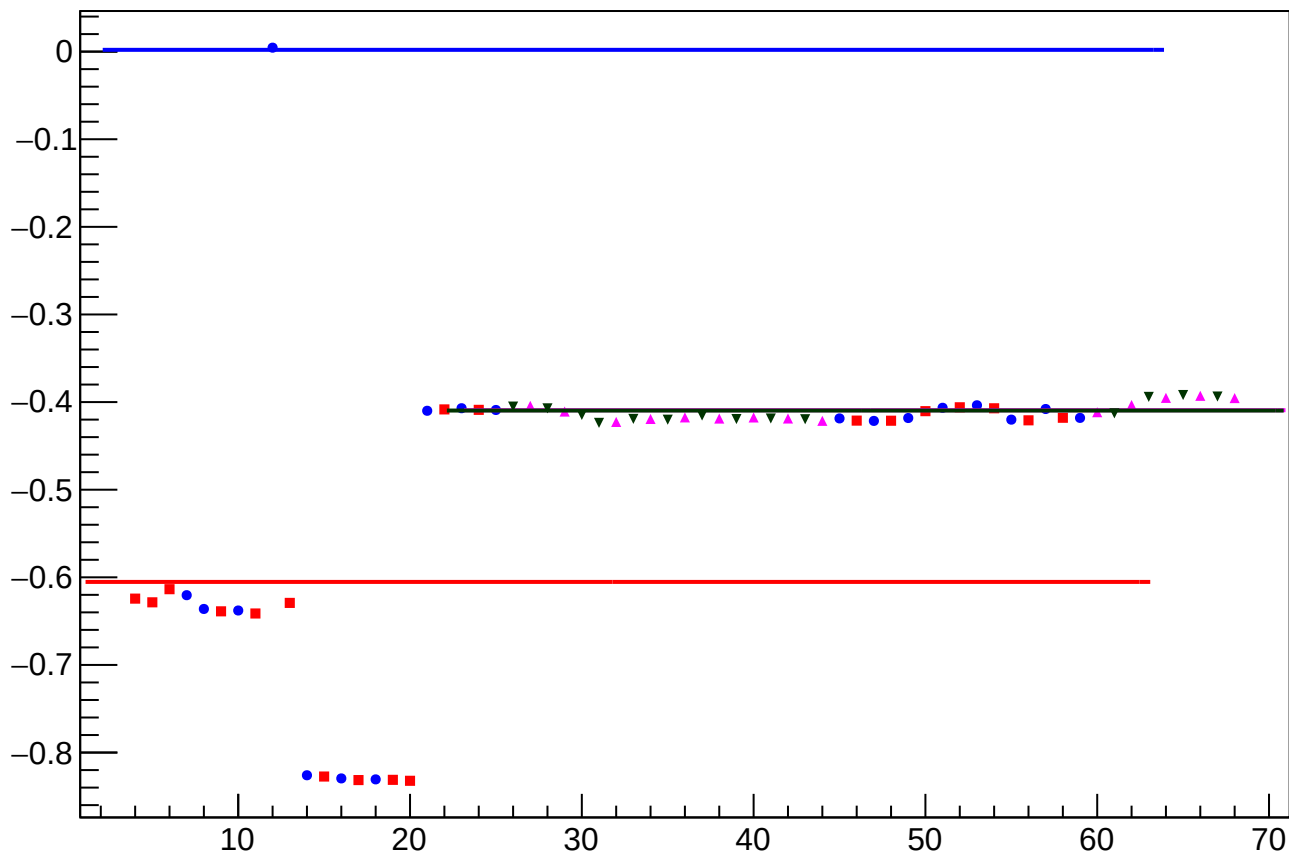
Right Out: 0.010+/-0.000 χ^2/NDF : 1597012.3/18

Left In: 0.010+/-0.000 χ^2/NDF :1780157.5/13

0.010+/-0.000 χ^2/NDF : 3393579.3/31

0.010+/-0.000 χ^2/NDF : 3377399.7/32

yield_bpm4acX_mean vs slug



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

Left Out: -0.410+/-0.000 χ^2/NDF : 8497721.0/13

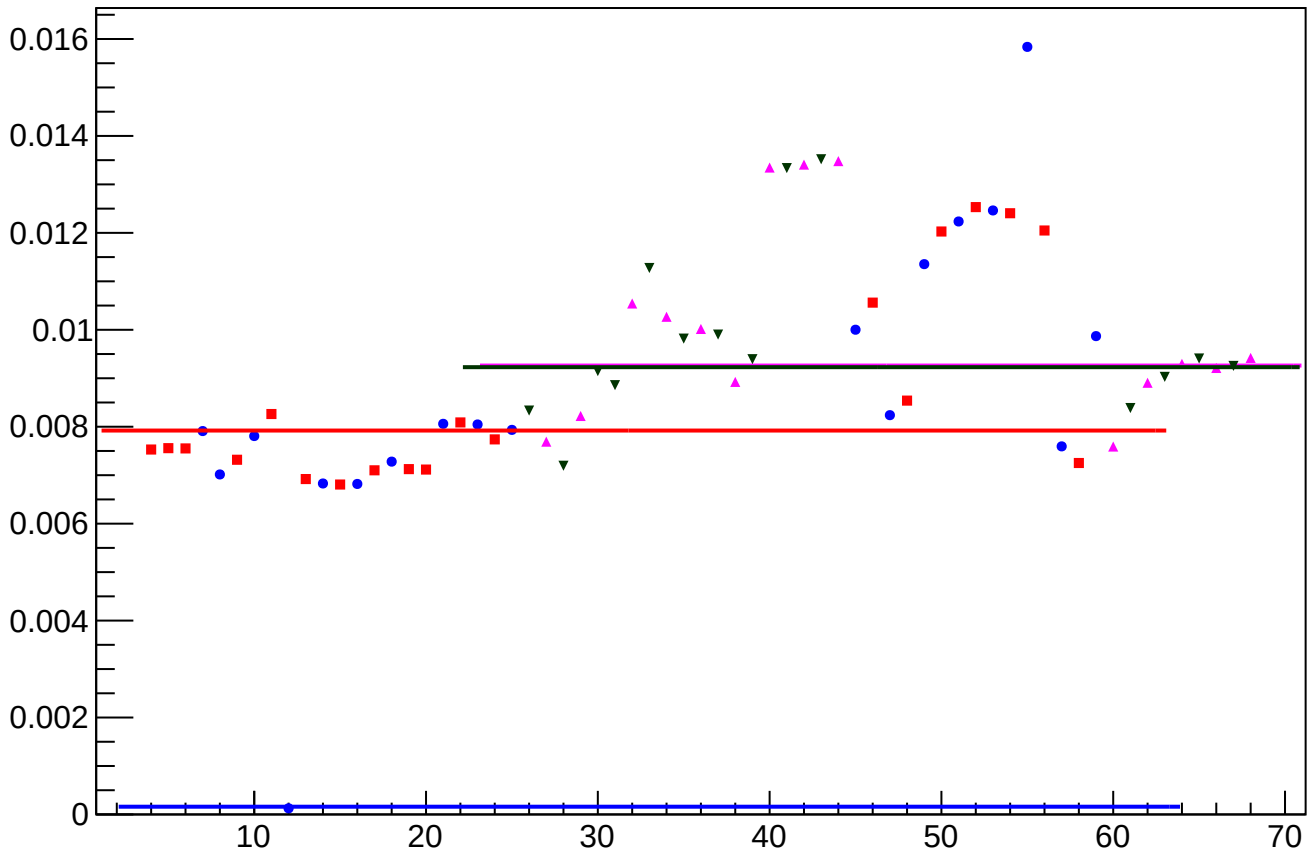
Right Out: -0.605+/-0.000 χ^2/NDF : 3819629229.5/18

Left In: -0.409+/-0.000 χ^2/NDF : 8295323.3/13

0.001+/-0.000 χ^2/NDF : 73671734024.2/31

-0.531+/-0.000 χ^2/NDF : 6021749352.8/32

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 : 375672.2/13

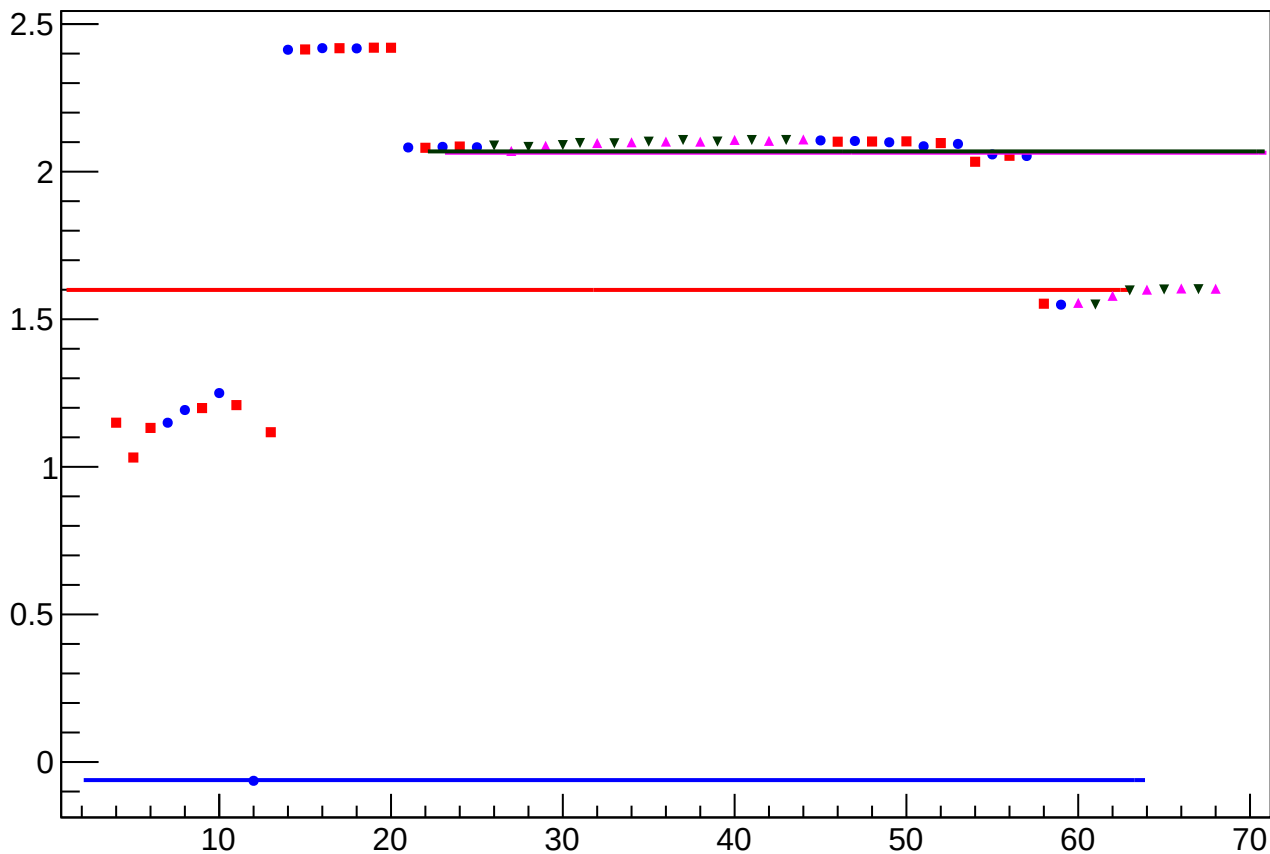
0.000+/-0.000 χ^2/NDF : 34141511.8/31

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

0.008+/-0.000 χ^2/NDF : 1387355.9/32

Left In: 0.009+/-0.000 χ^2/NDF : 484512.3/13

yield_bpm4acY_mean vs slug



Right In: -0.061±/0.000 χ^2/NDF : 171003968524.2/17

Left Out: 2.069±/0.000 χ^2/NDF : 411453720.7/13

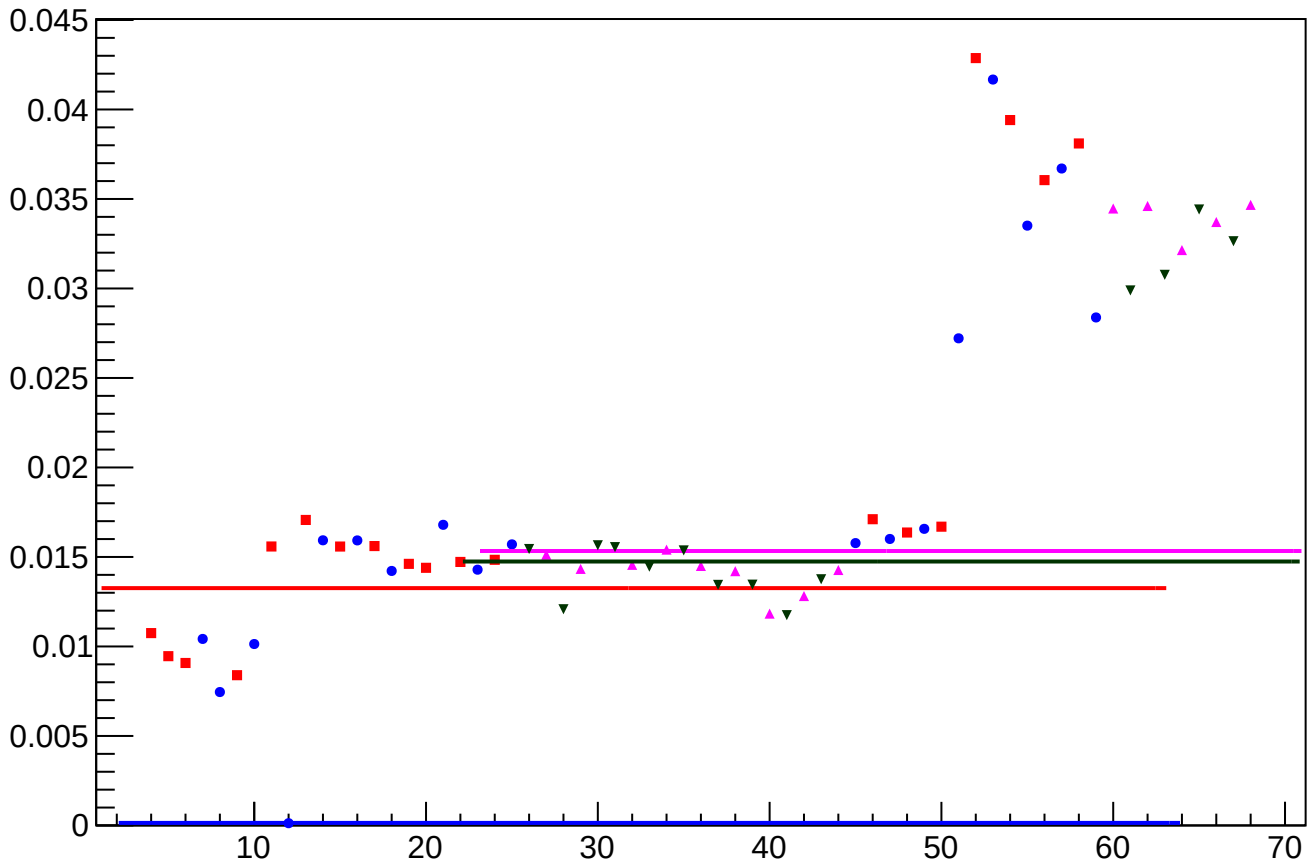
Right Out: 1.599±/0.000 χ^2/NDF : 13096029057.2/18

Left In: 2.064±/0.000 χ^2/NDF : 456664997.4/13

-0.060±/0.000 χ^2/NDF : 300825172228.9/31

1.781±/0.000 χ^2/NDF : 17424155838.2/32

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 :1145025.7/13

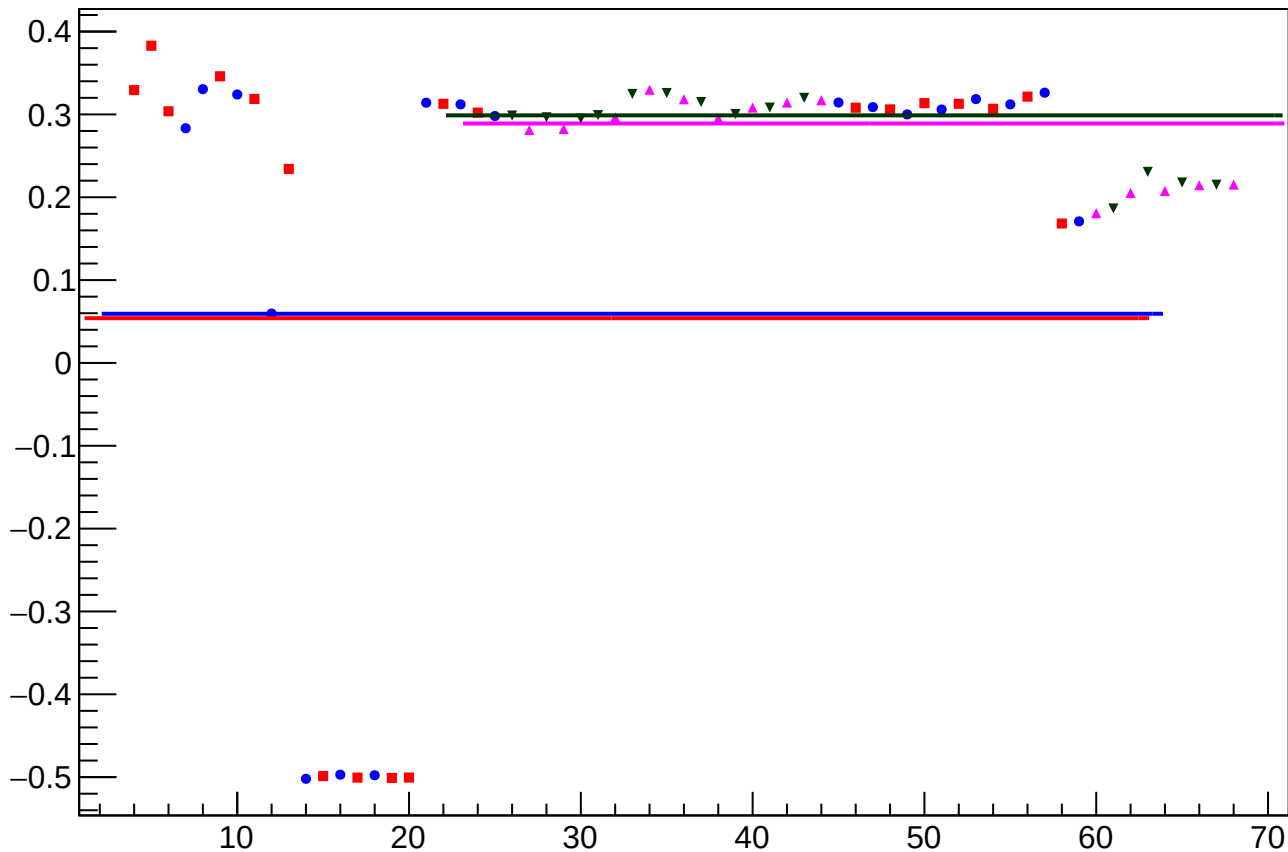
Right Out: 0.013+/-0.000 χ^2/NDF : 2690130.8/18

Left In: 0.015+/-0.000 χ^2/NDF :1441540.4/13

0.000+/-0.000 χ^2/NDF : 32944491.4/31

0.014+/-0.000 χ^2/NDF : 4285792.1/32

yield_bpm4ecX_mean vs slug



Right In: 0.059+/-0.000 χ^2/NDF : 3888801914.2/17

Left Out: 0.299+/-0.000 χ^2/NDF : 9430329.2/13

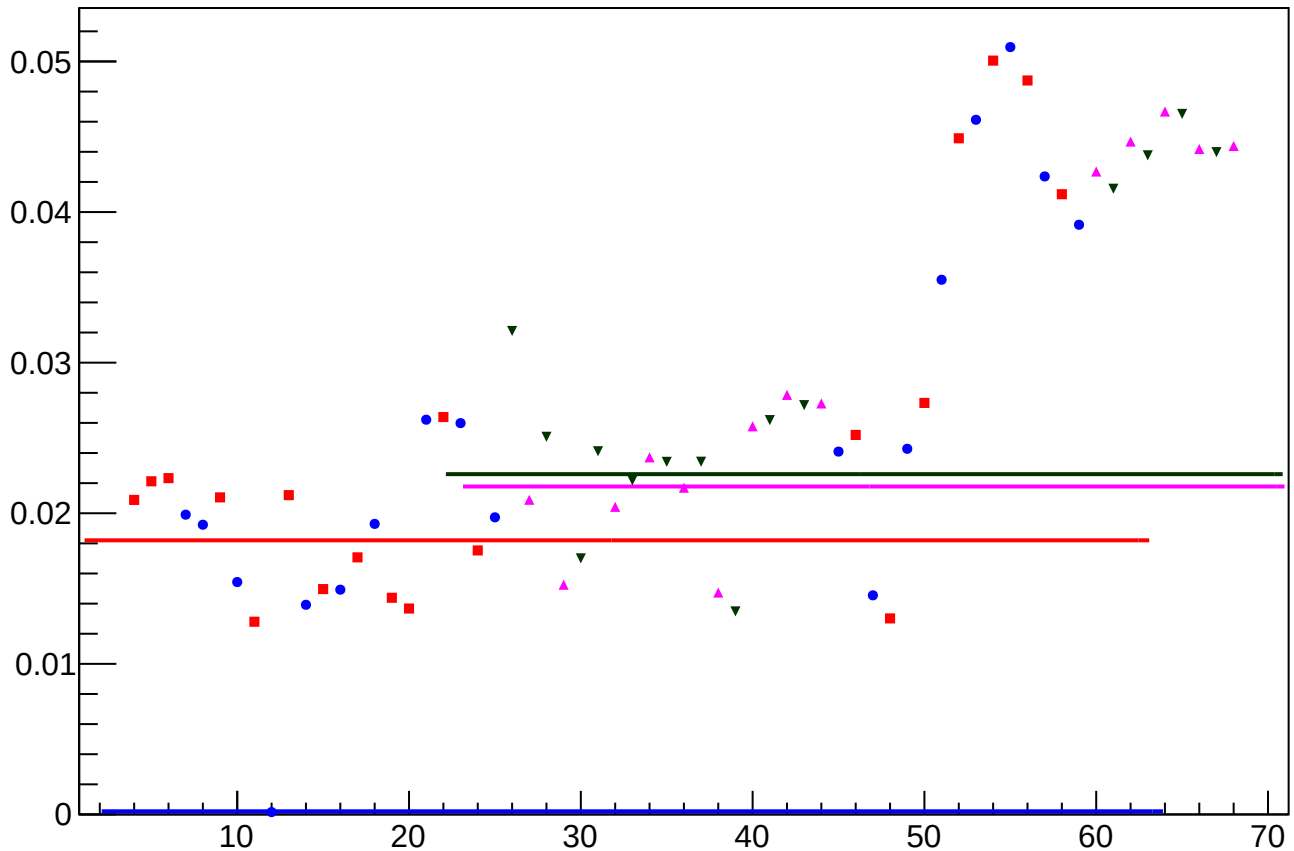
0.060+/-0.000 χ^2/NDF : 4585297112.9/31

Right Out: 0.054+/-0.000 χ^2/NDF : 3509628523.3/18

0.139+/-0.000 χ^2/NDF : 4026305993.0/32

Left In: 0.289+/-0.000 χ^2/NDF : 13085178.3/13

yield_bpm4ecX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 19749394.2/17

Left Out: 0.023+/-0.000 χ^2/NDF :1627797.3/13

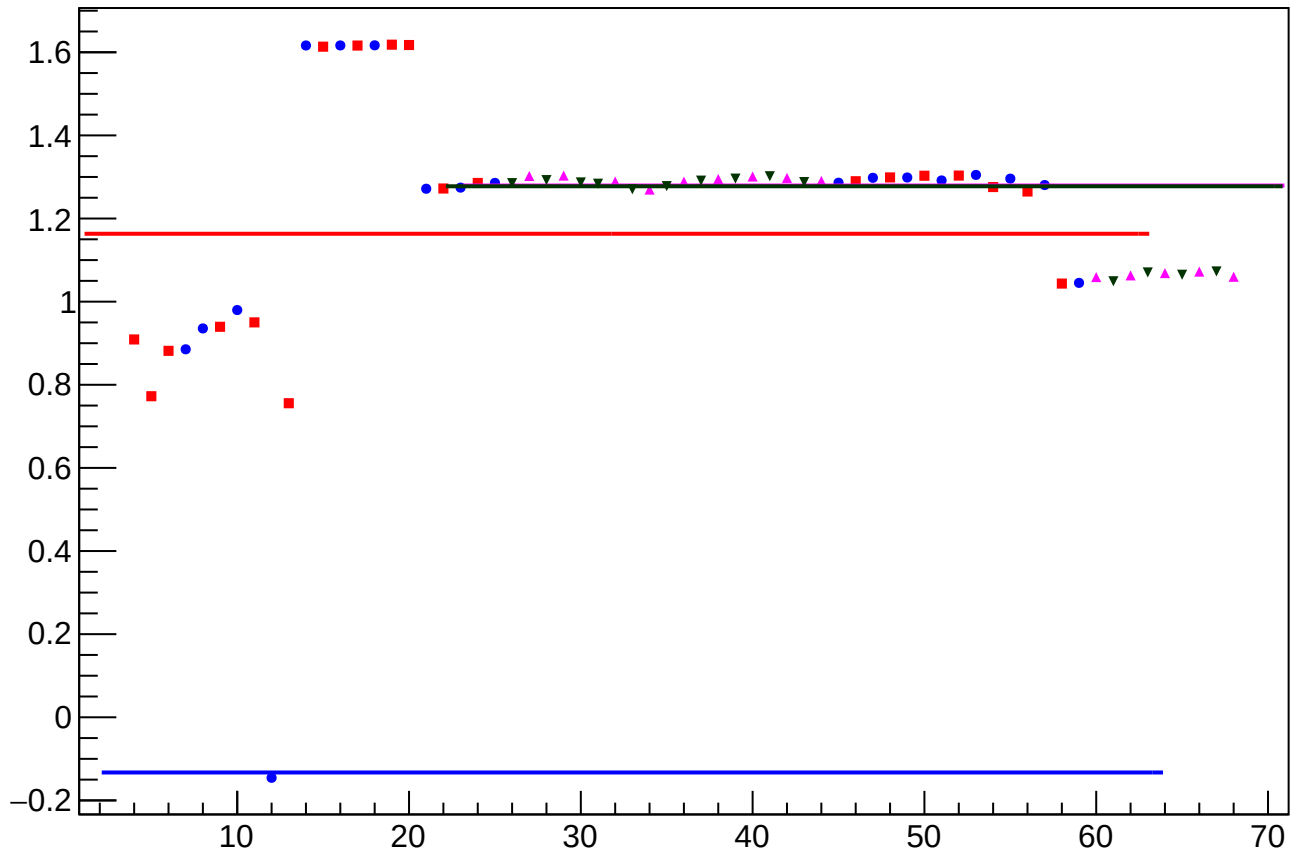
Right Out: 0.018+/-0.000 χ^2/NDF : 2422437.2/18

Left In: 0.022+/-0.000 χ^2/NDF :1902739.5/13

0.000+/-0.000 χ^2/NDF : 33381815.6/31

0.019+/-0.000 χ^2/NDF : 4558044.1/32

yield_bpm4ecY_mean vs slug



Right In: -0.133+/-0.000 χ^2/NDF : 169320914657.8/17

Left Out: 1.278+/-0.000 χ^2/NDF :125482761.0/13

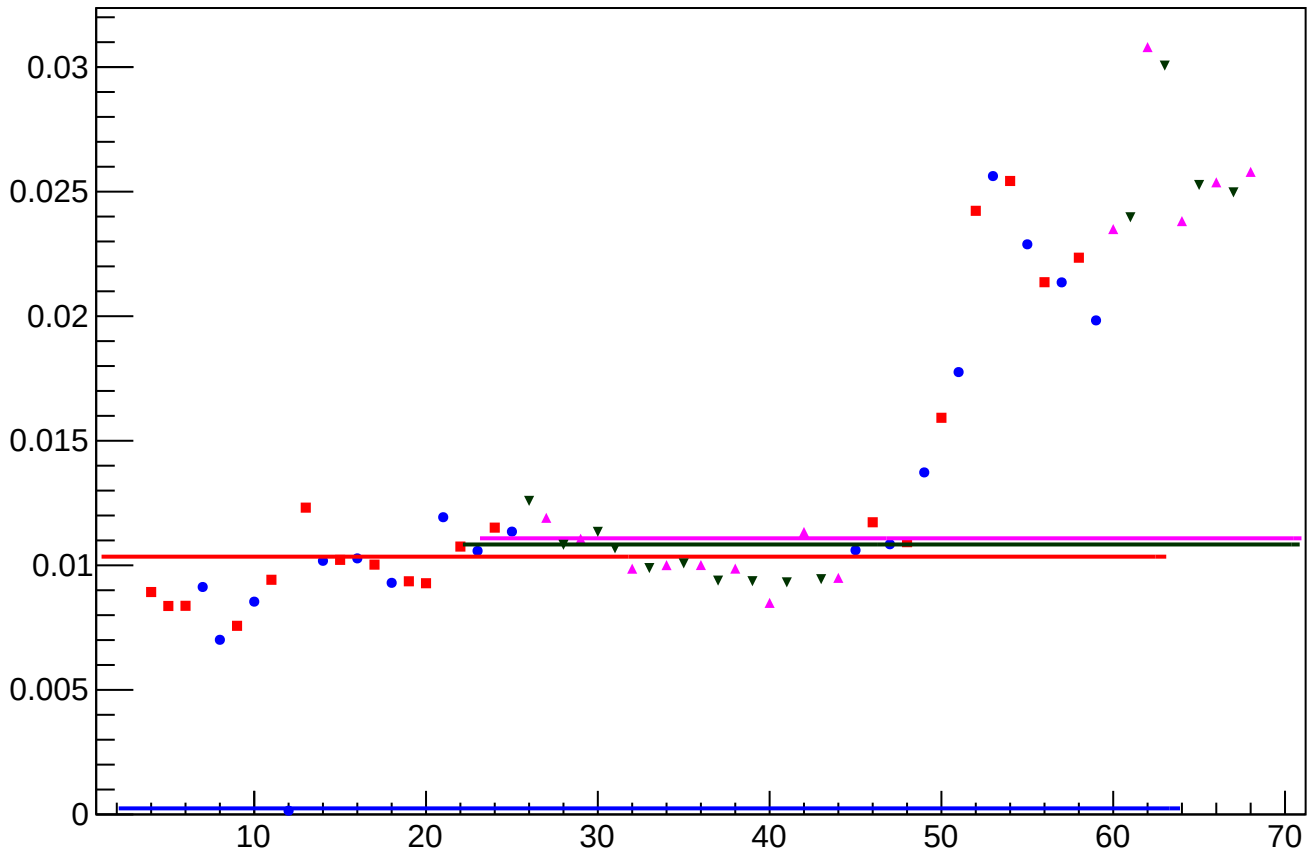
-0.125+/-0.000 χ^2/NDF : 273639029187.7/31

Right Out: 1.163+/-0.000 χ^2/NDF : 7253036603.9/18

1.211+/-0.000 χ^2/NDF : 7864398405.5/32

Left In: 1.279+/-0.000 χ^2/NDF :170426865.8/13

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 :1298061.0/13

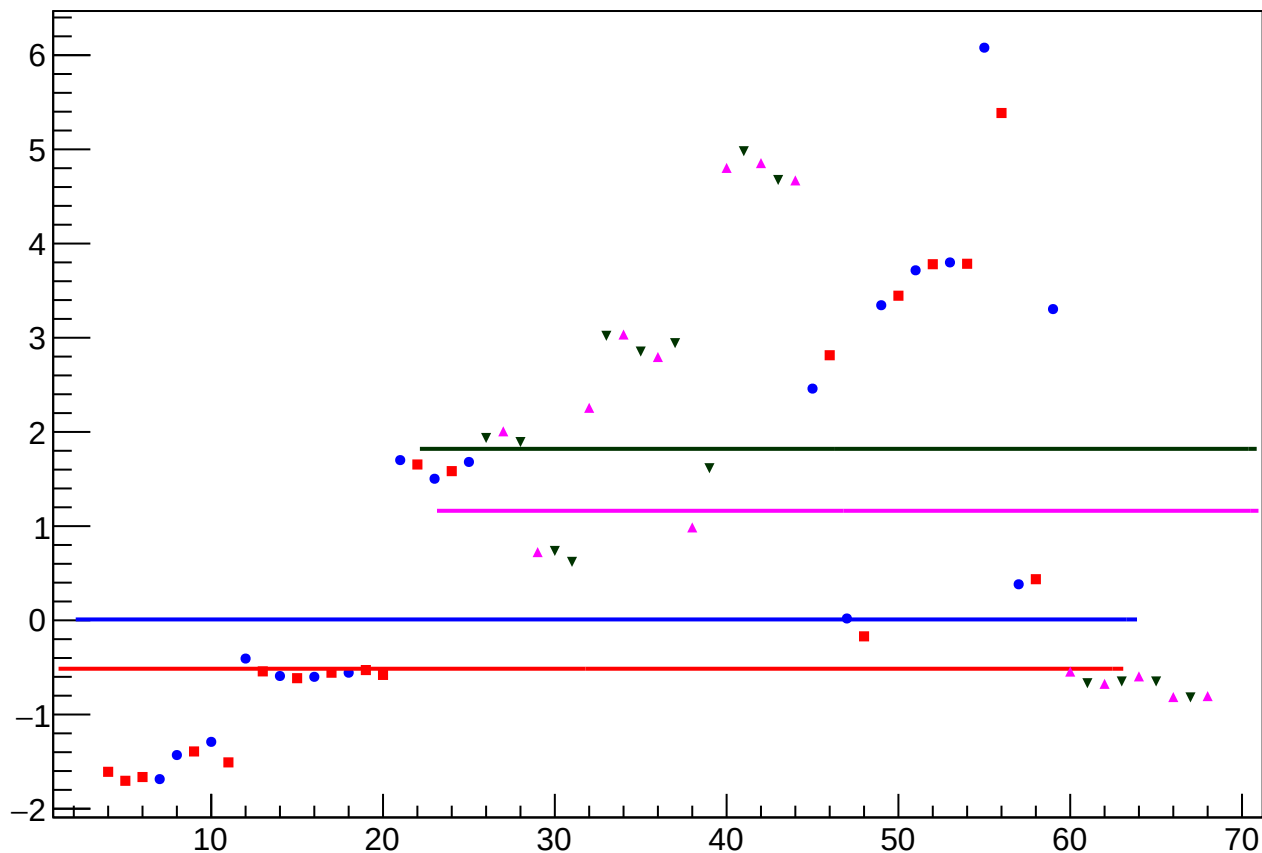
Right Out: 0.010+/-0.000 χ^2/NDF : 1619353.0/18

Left In: 0.011+/-0.000 χ^2/NDF :1605019.6/13

0.000+/-0.000 χ^2/NDF : 32258982.4/31

0.011+/-0.000 χ^2/NDF : 3259896.9/32

yield_bpm1X_mean vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 18135045883.2/17

Left Out: 1.820+/-0.000 χ^2/NDF : 2011093305.0/13

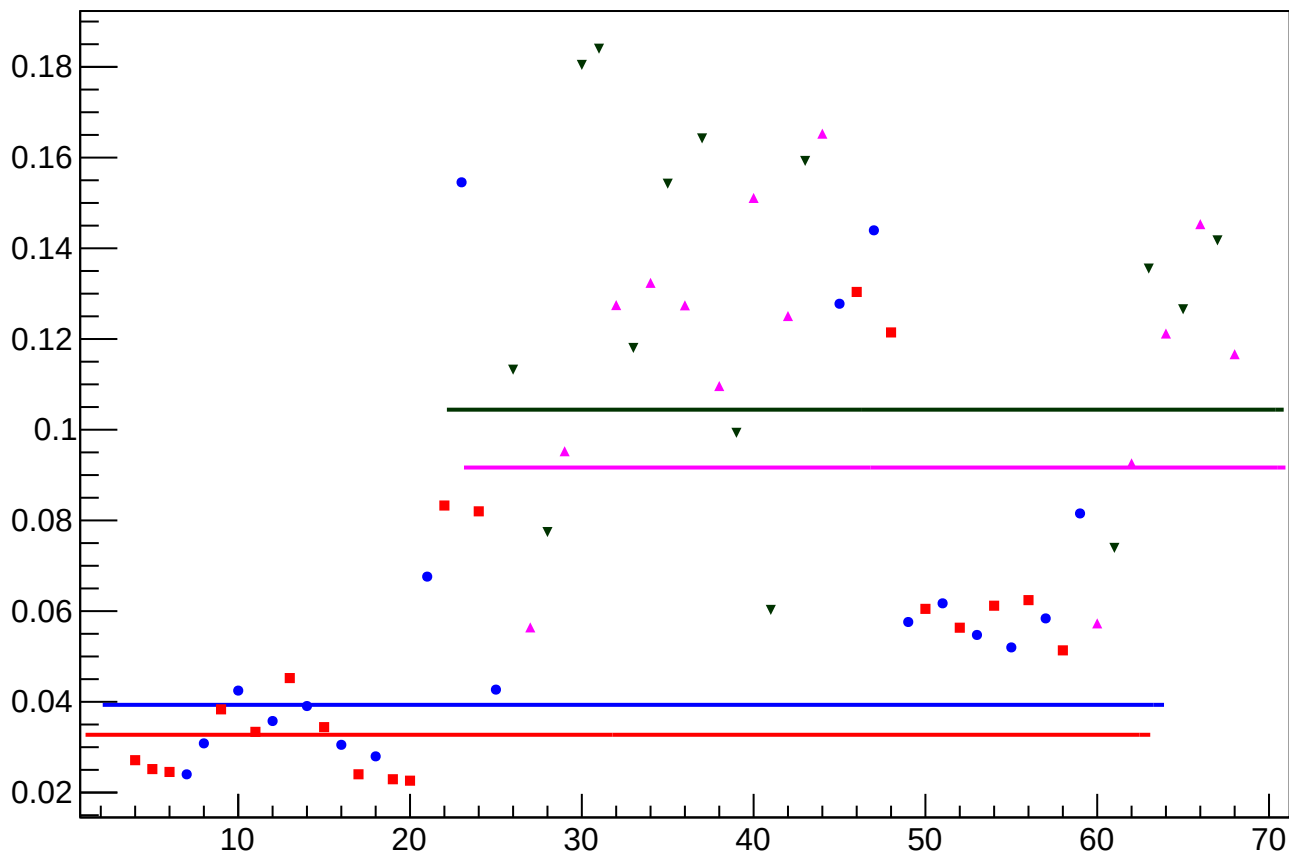
Right Out: -0.514+/-0.000 χ^2/NDF : 14474436949.2/18

Left In: 1.163+/-0.000 χ^2/NDF : 2033919776.9/13

0.173+/-0.000 χ^2/NDF : 21554135545.4/31

-0.346+/-0.000 χ^2/NDF : 18233713230.4/32

yield_bpm1X_rms vs slug



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

Left Out: 0.104 ± 0.000 χ^2/NDF : 1339052.8/13

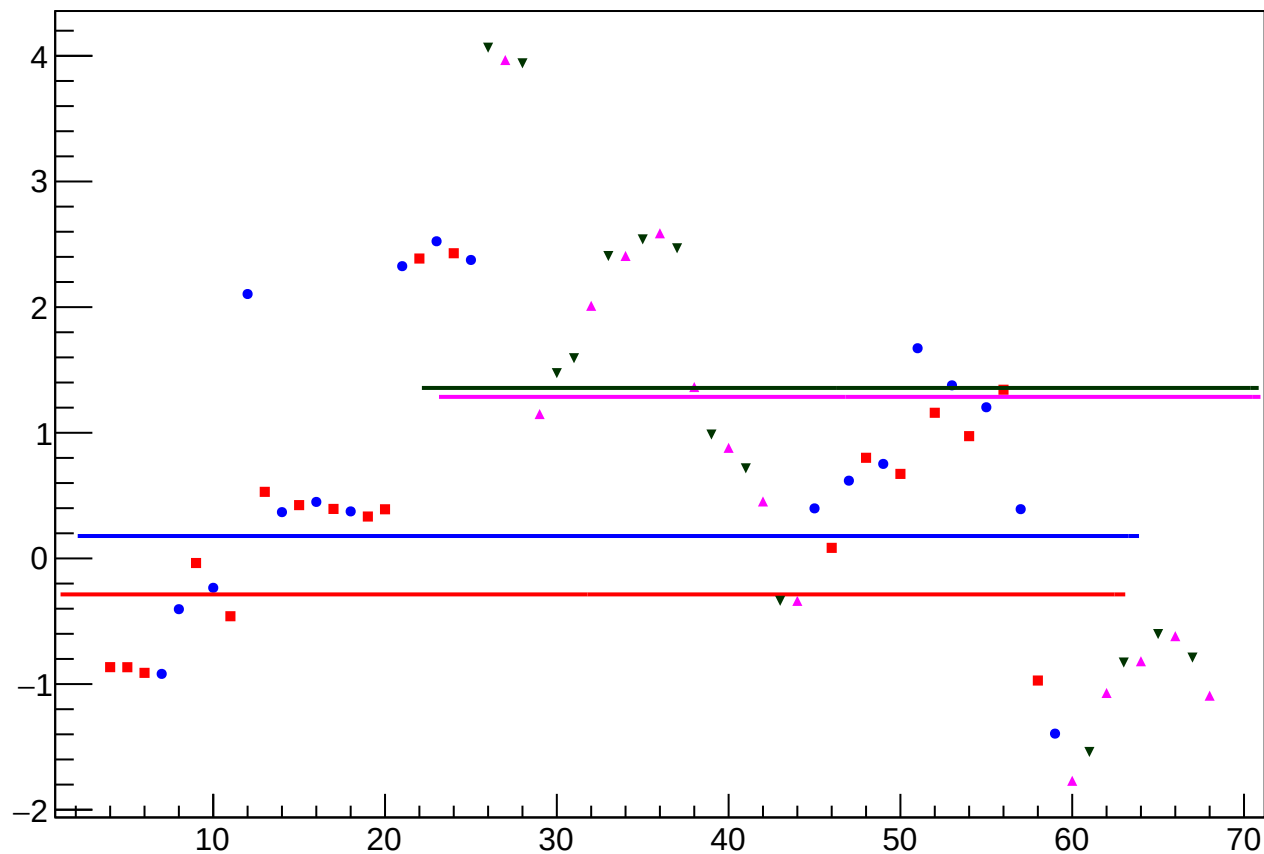
Right Out: 0.033 ± 0.000 χ^2/NDF : 2838022.5/18

Left In: 0.092 ± 0.000 χ^2/NDF : 1639783.6/13

0.045 ± 0.000 χ^2/NDF : 8053735.9/31

0.039 ± 0.000 χ^2/NDF : 8739314.0/32

yield_bpm1Y_mean vs slug



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

Left Out: 1.357 ± 0.000 χ^2/NDF : 3552838852.5/13

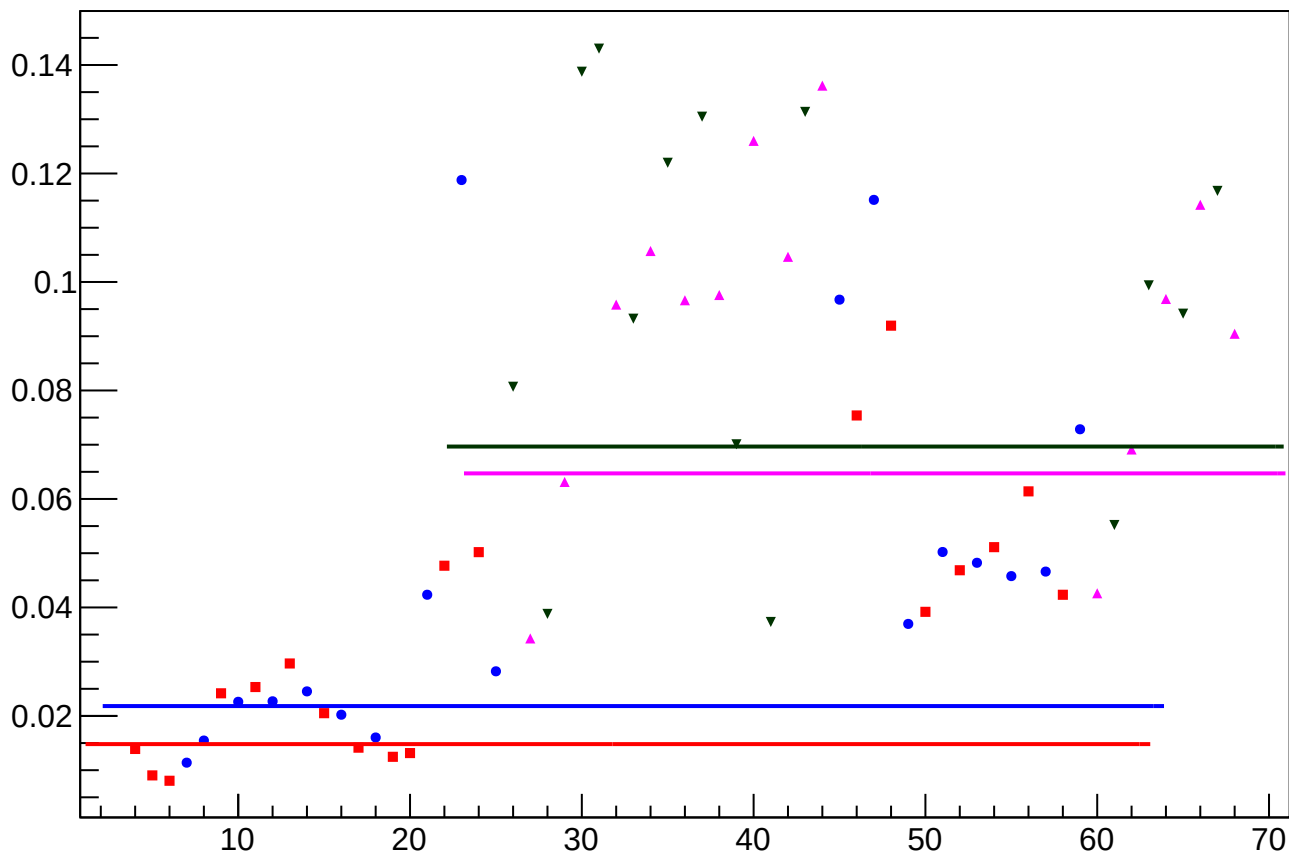
Right Out: -0.286 ± 0.000 χ^2/NDF : 10734675455.5/18

Left In: 1.286 ± 0.000 χ^2/NDF : 6151443095.8/13

0.259 ± 0.000 χ^2/NDF : 14215685713.7/31

-0.202 ± 0.000 χ^2/NDF : 19772610469.2/32

yield_bpm1Y_rms vs slug



Right In: 0.022 ± 0.000 χ^2/NDF : 4669284.8/17

Left Out: 0.070 ± 0.000 χ^2/NDF : 2133333.3/13

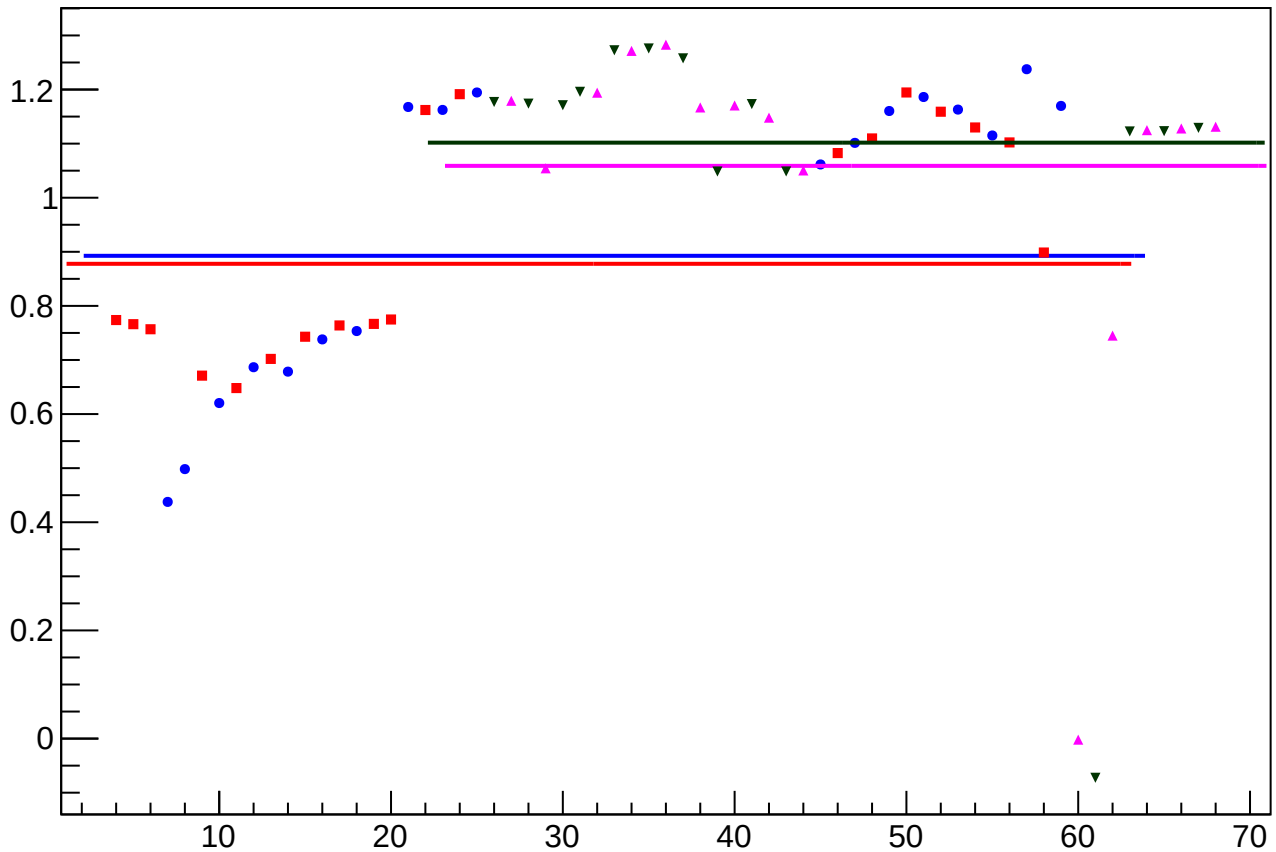
Right Out: 0.015 ± 0.000 χ^2/NDF : 4938559.5/18

Left In: 0.065 ± 0.000 χ^2/NDF : 2363861.8/13

0.025 ± 0.000 χ^2/NDF : 10692698.6/31

0.017 ± 0.000 χ^2/NDF : 13120993.9/32

yield_bpm11X_mean vs slug



Right In: 0.893+/-0.000 χ^2/NDF : 1629156385.0/17

Left Out: 1.102+/-0.000 χ^2/NDF : 1063503704.9/13

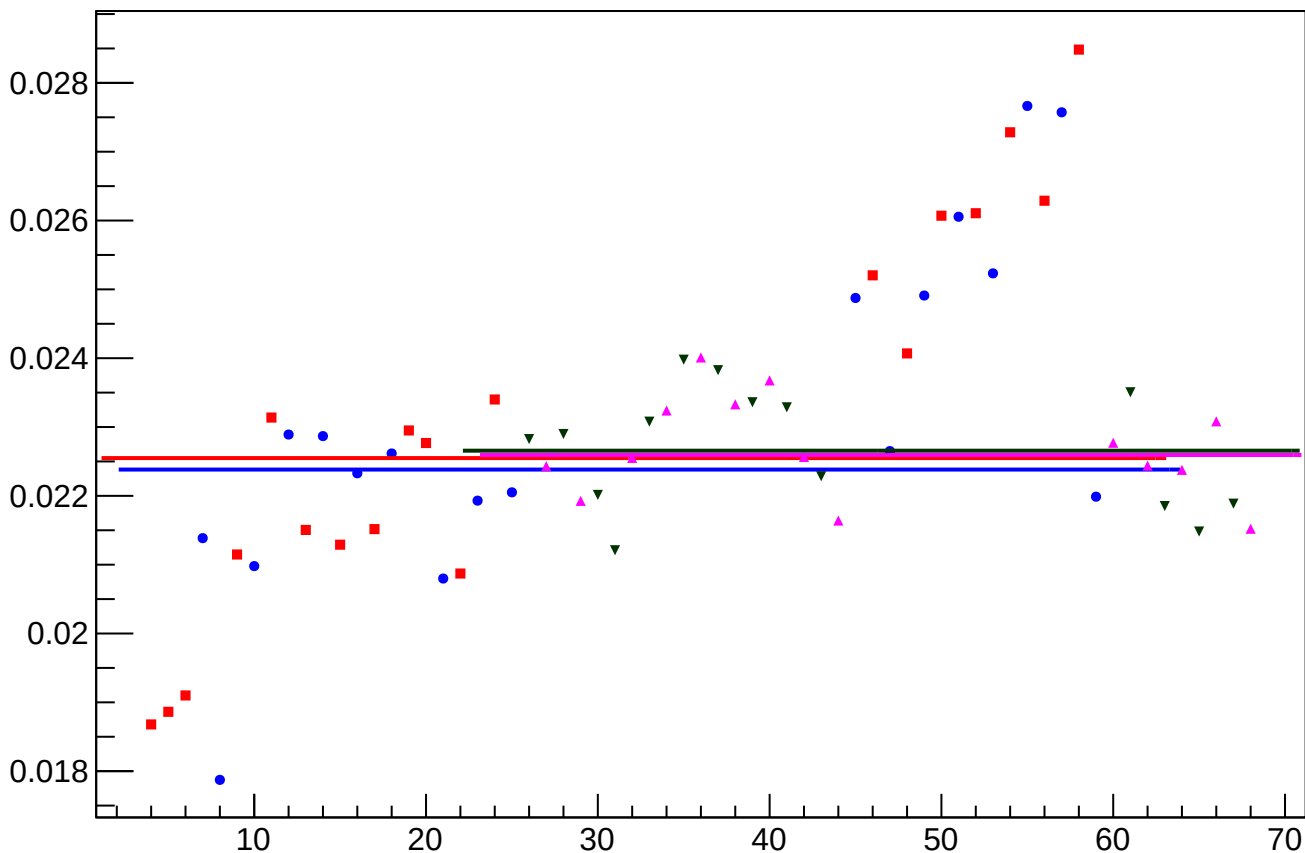
Right Out: 0.878+/-0.000 χ^2/NDF : 761495098.5/18

Left In: 1.059+/-0.000 χ^2/NDF : 1338561942.4/13

0.974+/-0.000 χ^2/NDF : 3059122958.8/31

0.960+/-0.000 χ^2/NDF : 2377873773.1/32

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 :19119.6/13

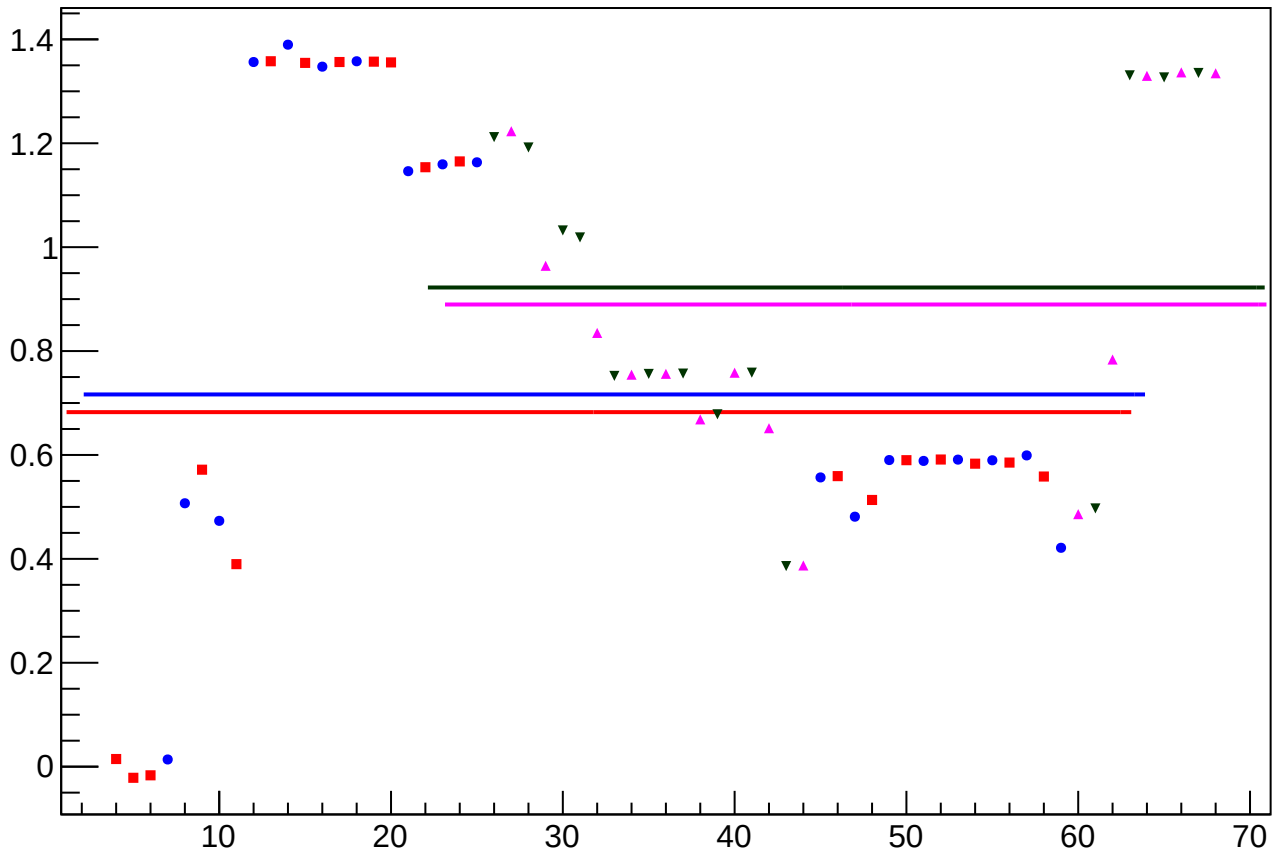
Right Out: 0.023+/-0.000 χ^2/NDF : 246194.4/18

Left In: 0.023+/-0.000 χ^2/NDF :13683.2/13

0.022+/-0.000 χ^2/NDF : 284990.5/31

0.023+/-0.000 χ^2/NDF : 259911.4/32

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 : 49302774606.7/13

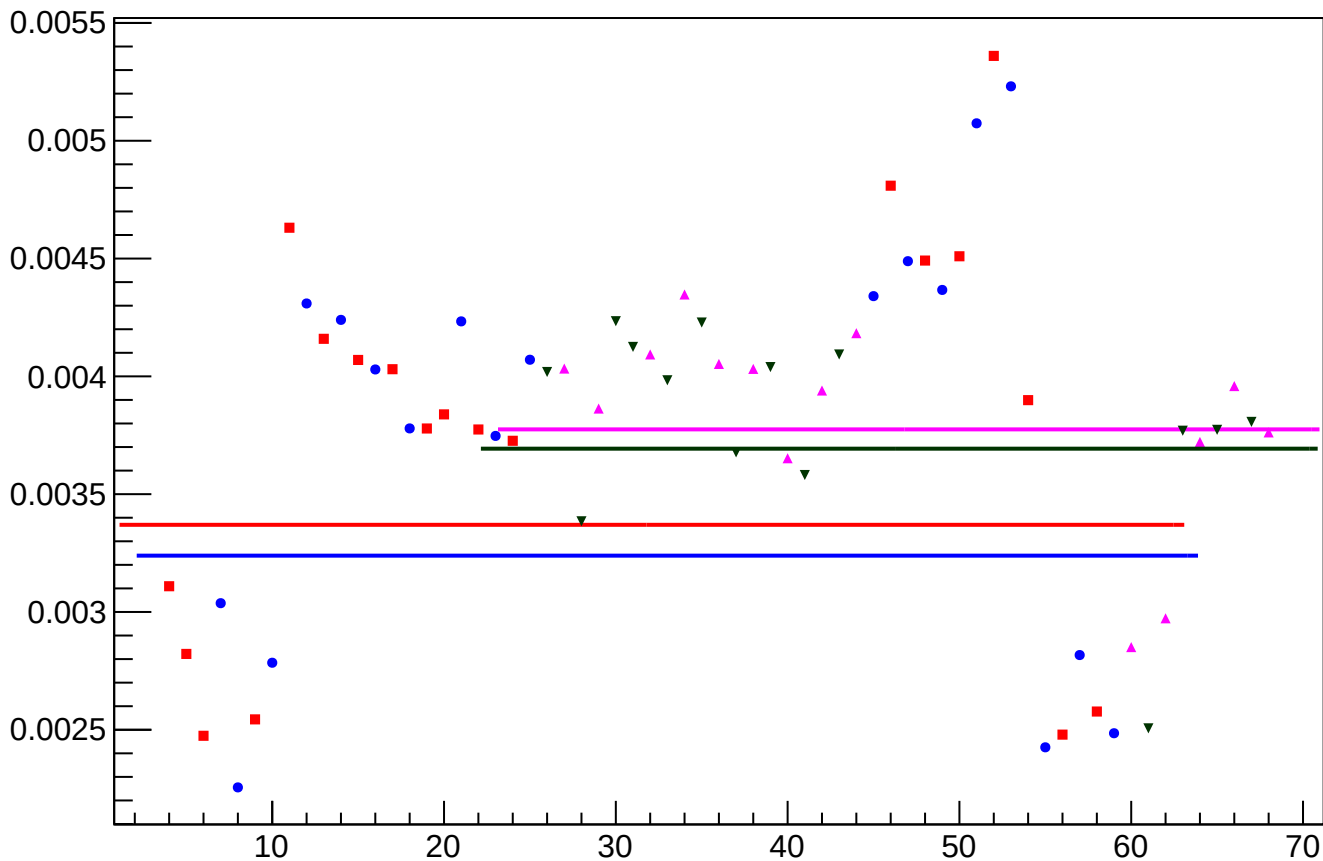
0.788 $\pm$ 0.000 χ^2/NDF : 194583359596.5/31

Right Out: 0.682 $\pm$ 0.000 χ^2/NDF : 168328456976.2/18

0.767 $\pm$ 0.000 χ^2/NDF : 230096604103.1/32

Left In: 0.890 $\pm$ 0.000 χ^2/NDF : 47946632727.6/13

yield_bpm11Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 1552802.4/17

Left Out: 0.004+/-0.000 χ^2/NDF : 245573.5/13

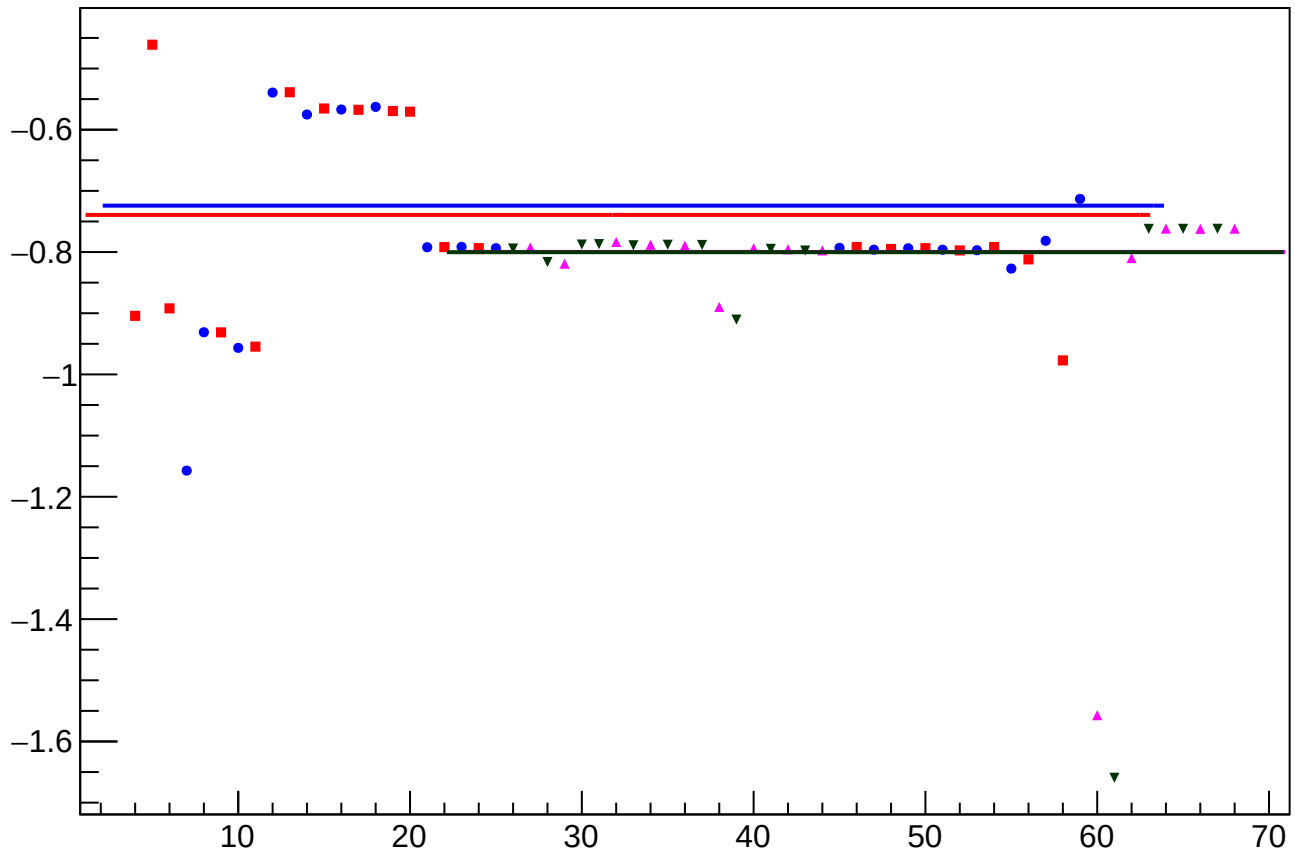
Right Out: 0.003+/-0.000 χ^2/NDF : 1158167.7/18

Left In: 0.004+/-0.000 χ^2/NDF : 201902.9/13

0.003+/-0.000 χ^2/NDF : 1934061.1/31

0.004+/-0.000 χ^2/NDF : 1465720.7/32

yield_bpm12X_mean vs slug



Right In: -0.724+/-0.000 χ^2 /NDF: 2243966662.4/17

Left Out: -0.800+/-0.000 χ^2 /NDF: 610001412.8/13

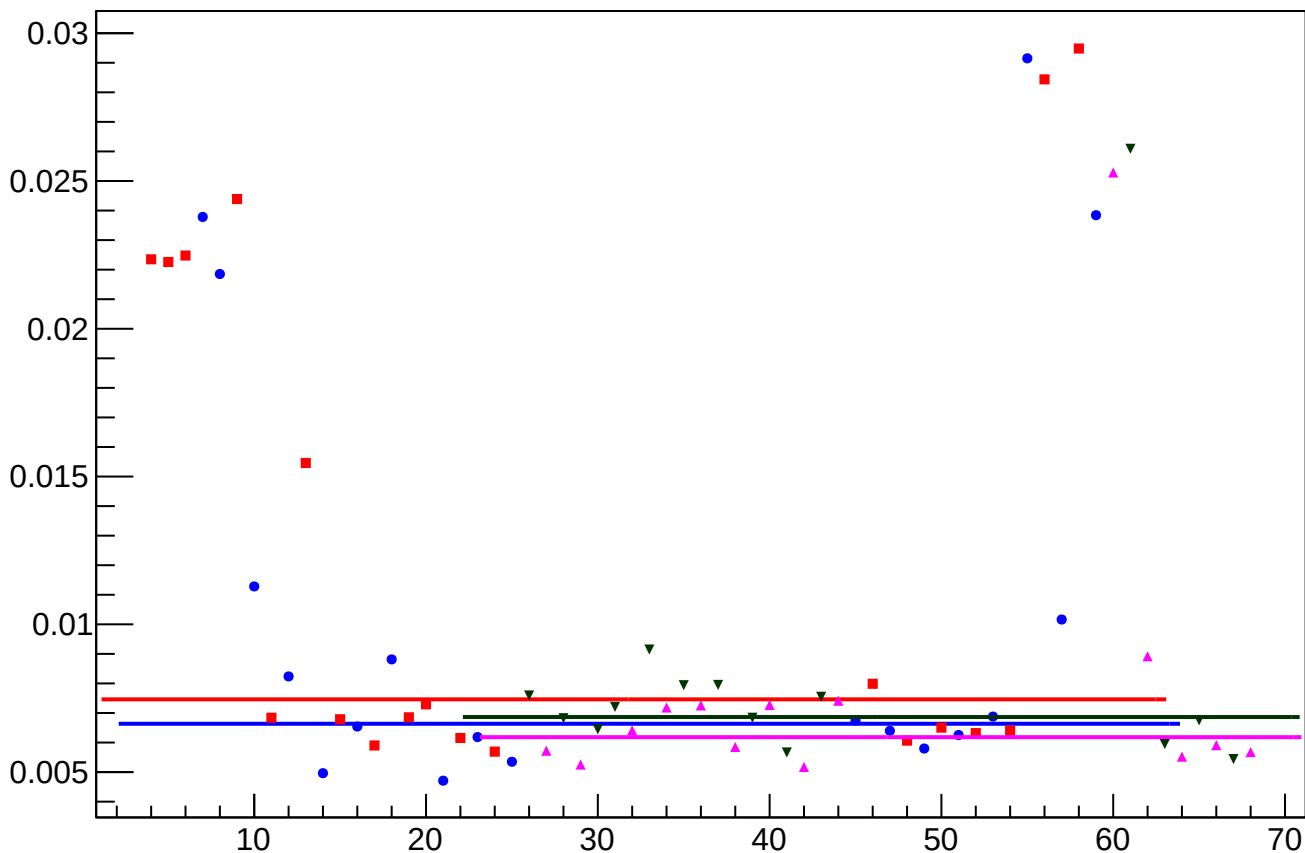
-0.755+/-0.000 χ^2 /NDF: 3233287129.4/31

Right Out: -0.739+/-0.000 χ^2 /NDF: 1945829237.2/18

-0.773+/-0.000 χ^2 /NDF: 2798740522.5/32

Left In: -0.800+/-0.000 χ^2 /NDF: 618611885.9/13

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 :644124.8/13

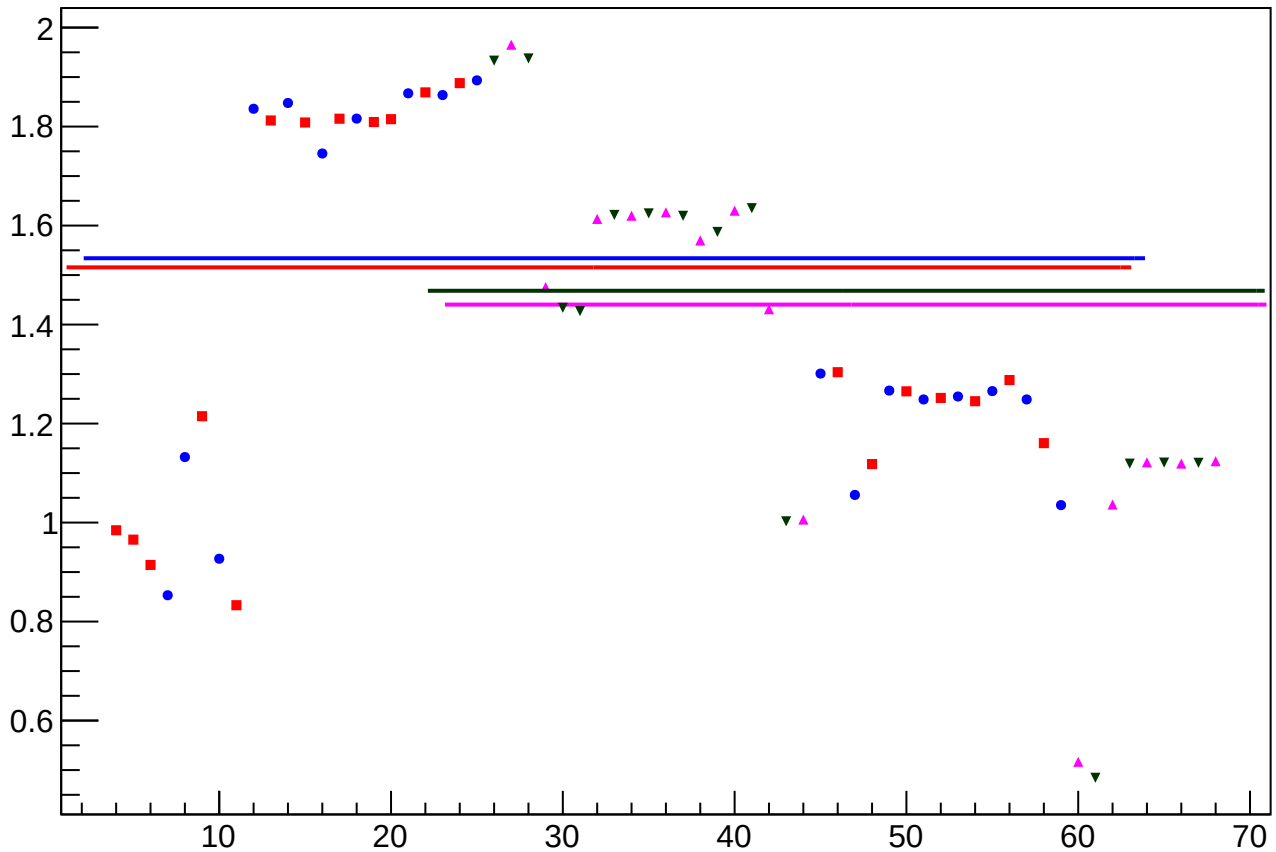
Right Out: 0.007+/-0.000 χ^2/NDF : 3478880.3/18

Left In: 0.006+/-0.000 χ^2/NDF :819372.0/13

0.007+/-0.000 χ^2/NDF : 3998448.1/31

0.007+/-0.000 χ^2/NDF : 4508074.7/32

yield_bpm12Y_mean vs slug



Right In: 1.534+/-0.000 χ^2/NDF : 22395382646.2/17

Left Out: 1.468+/-0.000 χ^2/NDF : 15076349380.2/13

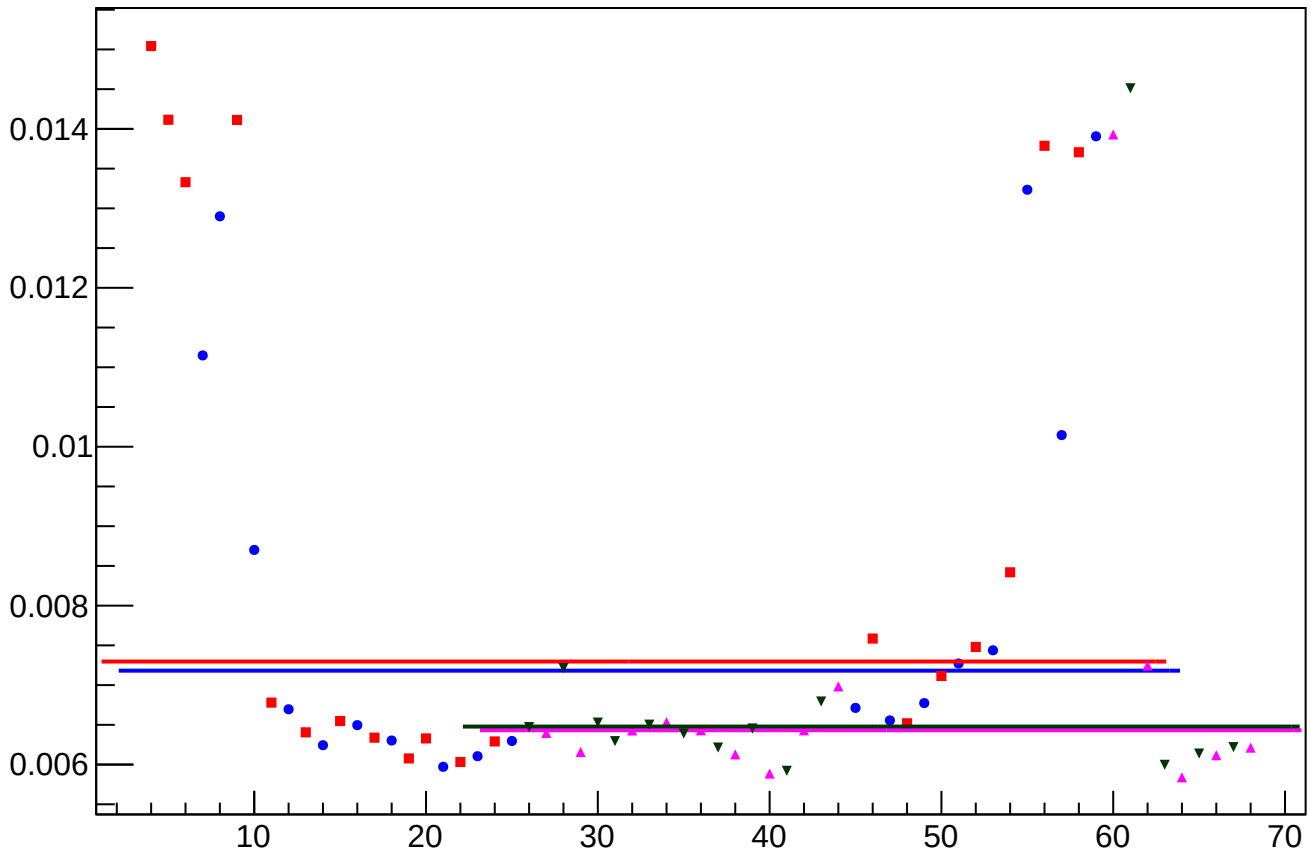
1.504+/-0.000 χ^2/NDF : 37843114473.1/31

Right Out: 1.516+/-0.000 χ^2/NDF : 21754735470.0/18

1.476+/-0.000 χ^2/NDF : 38940266716.3/32

Left In: 1.440+/-0.000 χ^2/NDF : 16710369345.0/13

yield_bpm12Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 1305539.8/17

Left Out: 0.006+/-0.000 χ^2/NDF : 293049.6/13

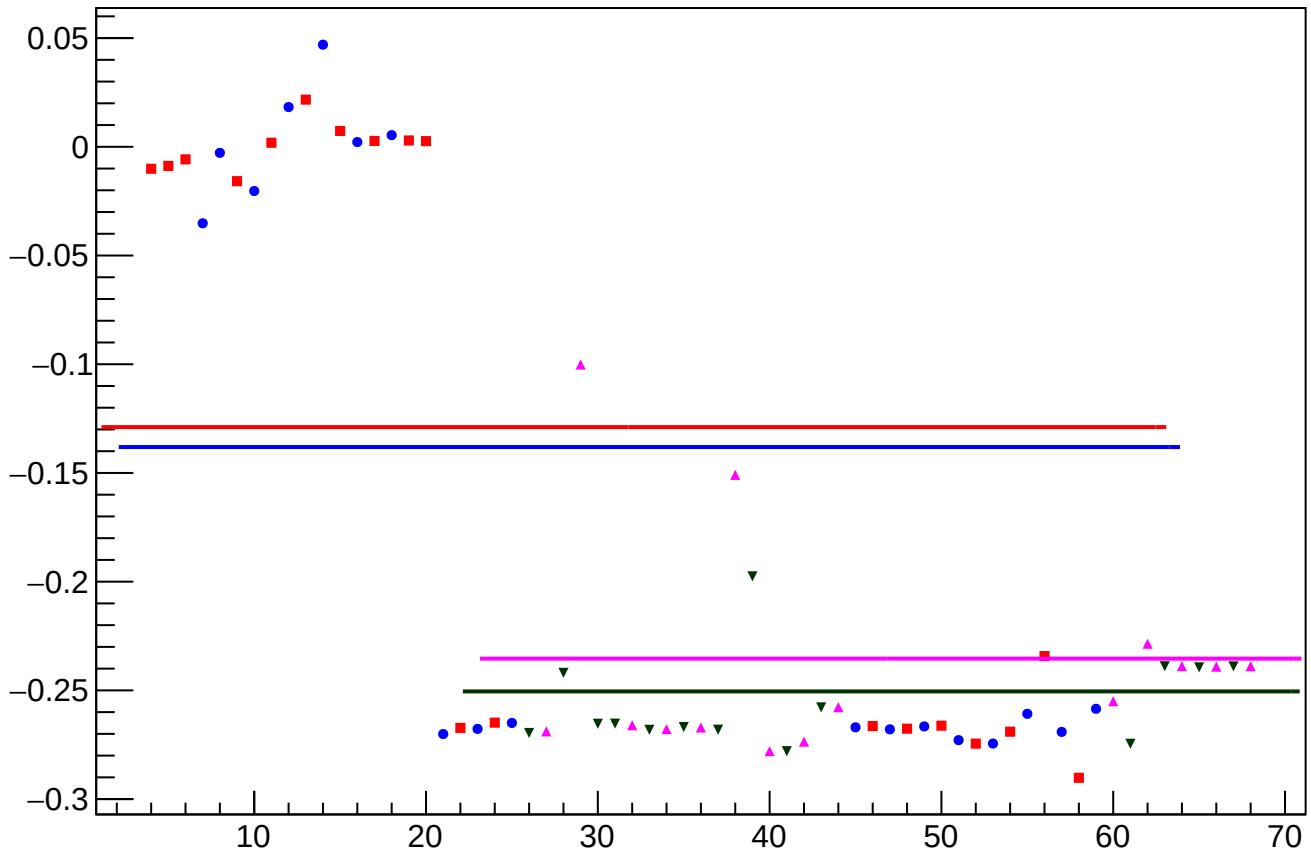
Right Out: 0.007+/-0.000 χ^2/NDF : 1457854.6/18

Left In: 0.006+/-0.000 χ^2/NDF : 335380.9/13

0.007+/-0.000 χ^2/NDF : 1683757.0/31

0.007+/-0.000 χ^2/NDF : 1918916.7/32

yield_bpm16X_mean vs slug



Right In: -0.138 ± 0.000 χ^2/NDF : 7275574194.7/17

Left Out: -0.250 ± 0.000 χ^2/NDF : 123737950.0/13

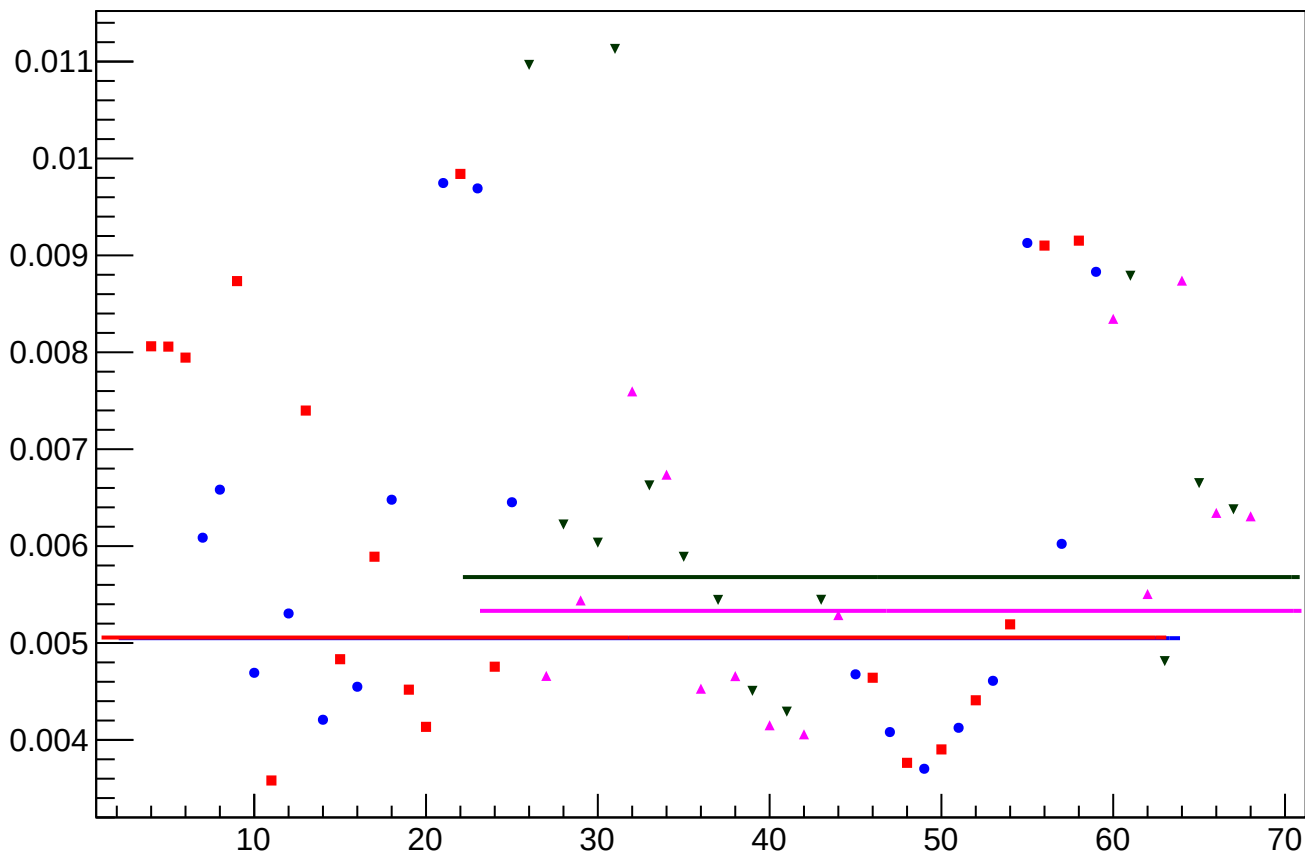
-0.177 ± 0.000 χ^2/NDF : 9001224961.8/31

Right Out: -0.129 ± 0.000 χ^2/NDF : 5878929515.5/18

-0.175 ± 0.000 χ^2/NDF : 8252590429.1/32

Left In: -0.235 ± 0.000 χ^2/NDF : 791231738.2/13

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 : 771368.8/13

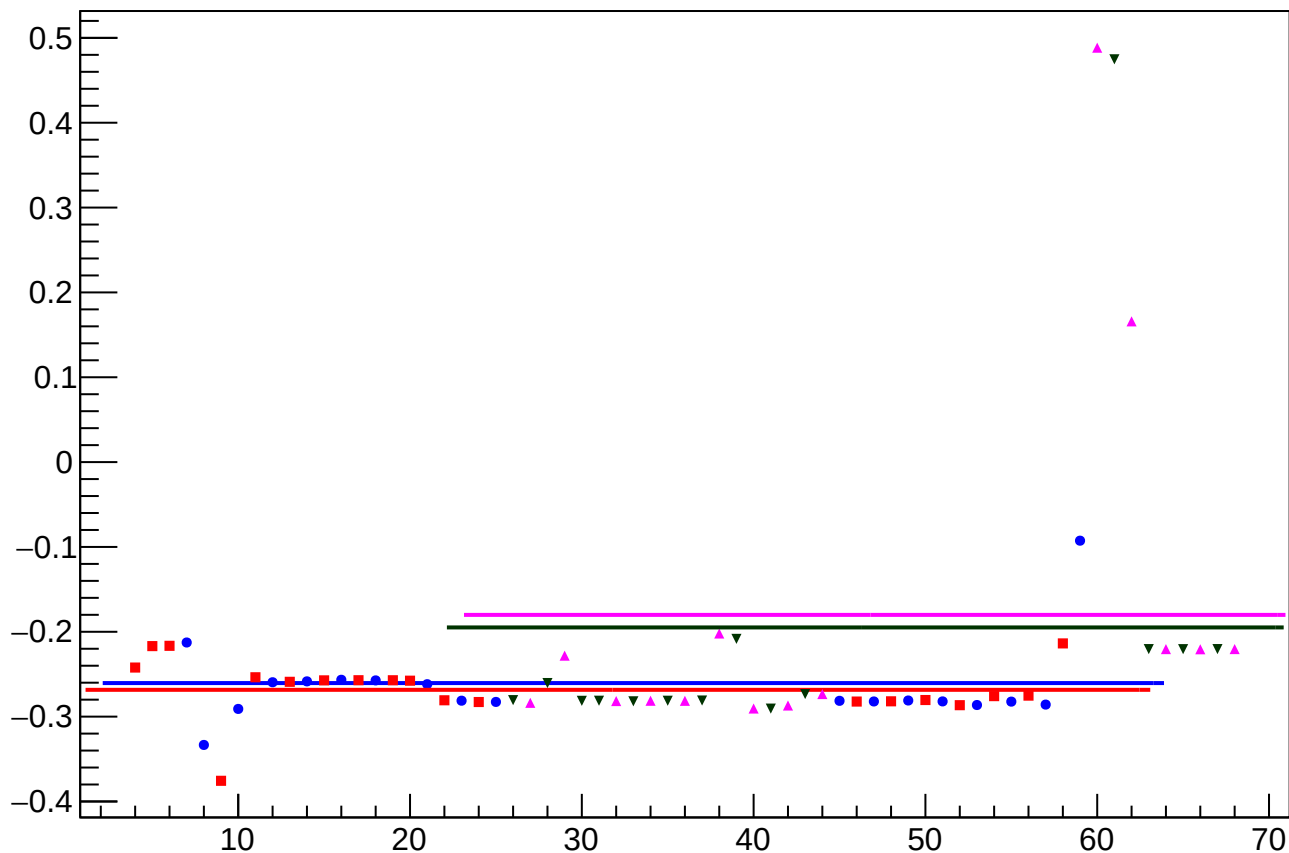
Right Out: 0.005+/-0.000 χ^2/NDF : 1822469.4/18

Left In: 0.005+/-0.000 χ^2/NDF : 748207.6/13

0.005+/-0.000 χ^2/NDF : 2536623.6/31

0.005+/-0.000 χ^2/NDF : 2591822.8/32

yield_bpm16Y_mean vs slug



Right In: -0.260 ± 0.000 χ^2/NDF : 6878369368.1/17

Left Out: -0.195 ± 0.000 χ^2/NDF : 41709693099.0/13

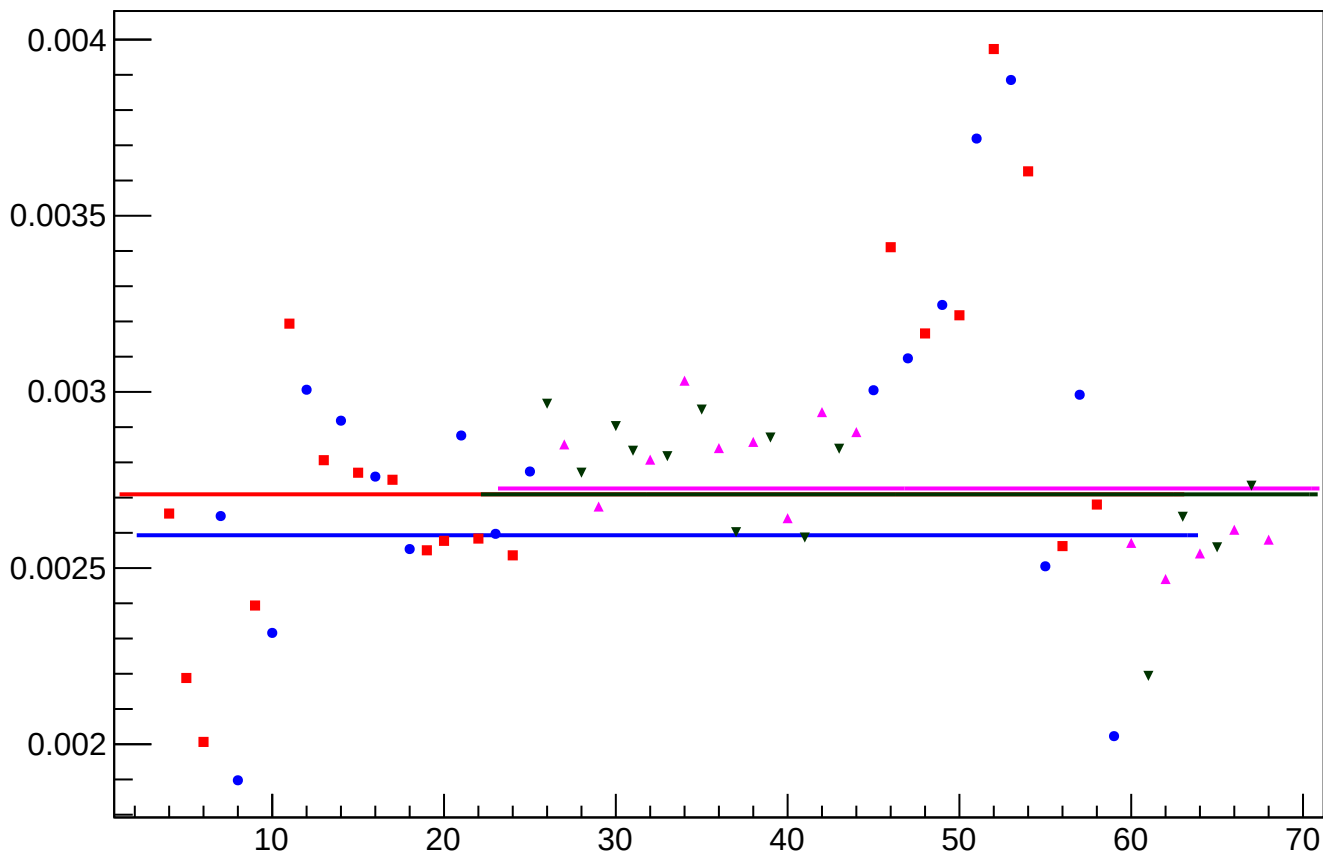
Right Out: -0.268 ± 0.000 χ^2/NDF : 2185355194.4/18

Left In: -0.180 ± 0.000 χ^2/NDF : 44012084896.0/13

-0.236 ± 0.000 χ^2/NDF : 51141430550.2/31

-0.228 ± 0.000 χ^2/NDF : 50706749877.8/32

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 :80270.1/13

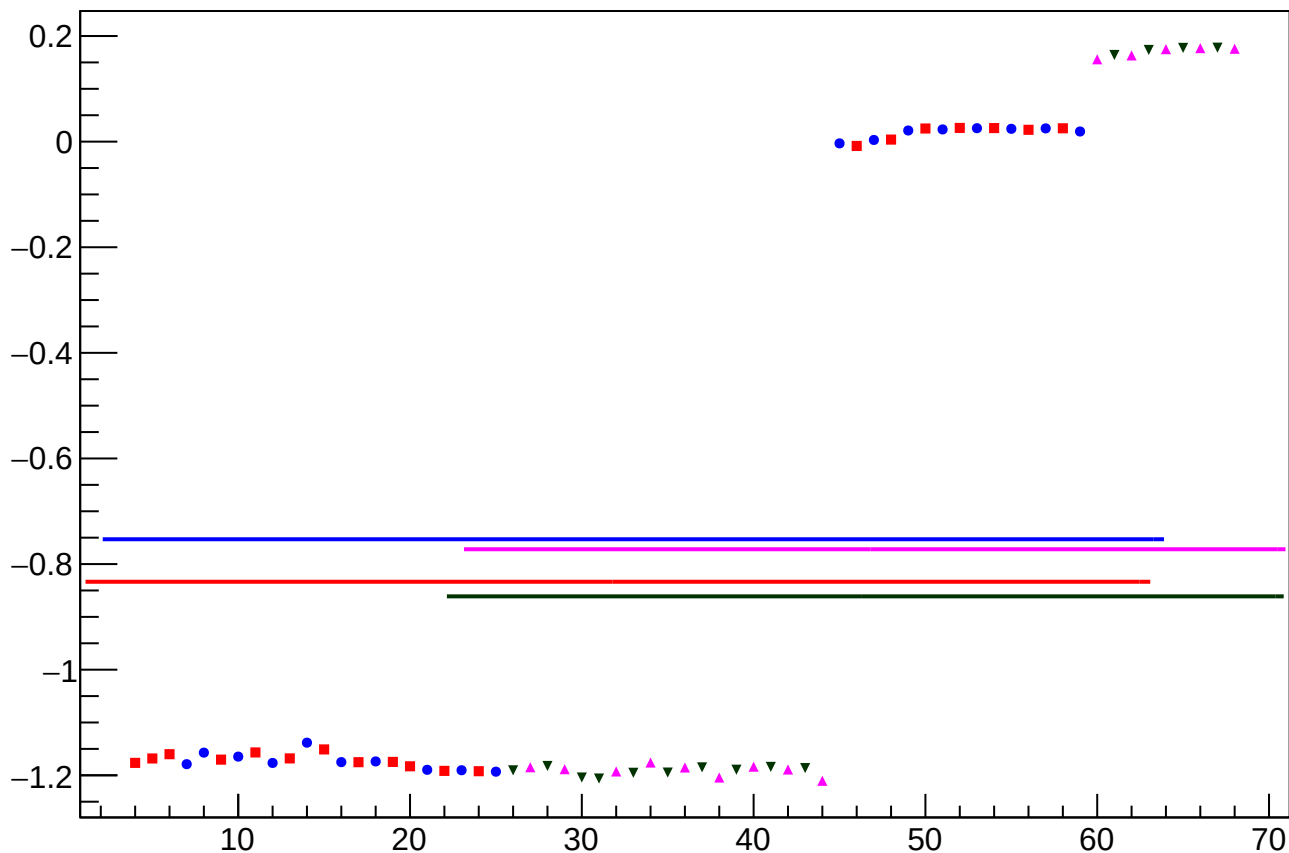
Right Out: 0.003+/-0.000 χ^2/NDF : 476230.4/18

Left In: 0.003+/-0.000 χ^2/NDF :52202.2/13

0.003+/-0.000 χ^2/NDF : 870383.1/31

0.003+/-0.000 χ^2/NDF : 528749.6/32

yield_bpm2i01X_mean vs slug



Right In: -0.753+/-0.000 χ^2/NDF : 63524502695.2/17

Left Out: -0.861+/-0.000 χ^2/NDF : 36472790563.9/13

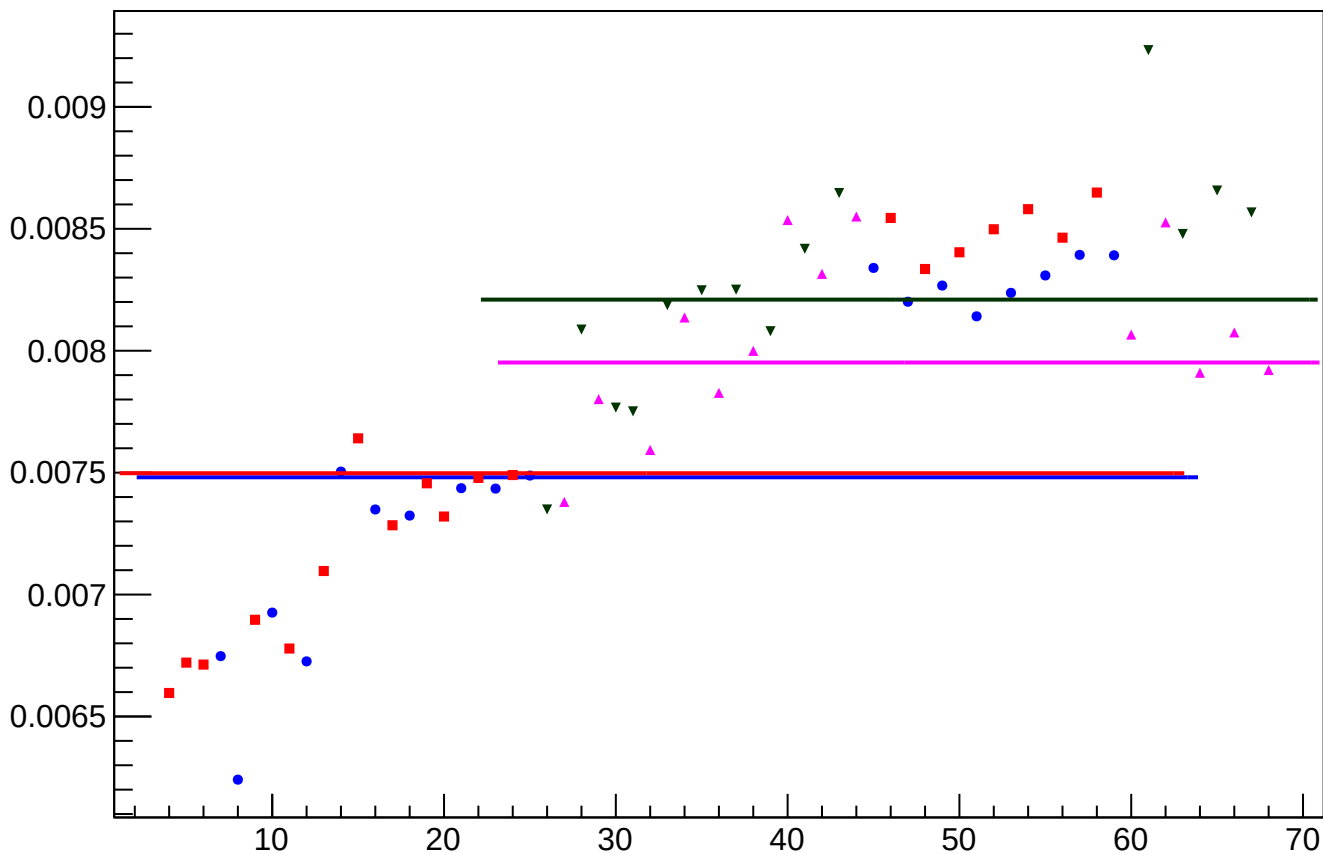
Right Out: -0.833+/-0.000 χ^2/NDF : 50332816661.3/18

Left In: -0.772+/-0.000 χ^2/NDF : 50392258245.3/13

-0.791+/-0.000 χ^2/NDF : 100808592860.7/31

-0.808+/-0.000 χ^2/NDF : 101005163625.9/32

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 : 39018.5/13

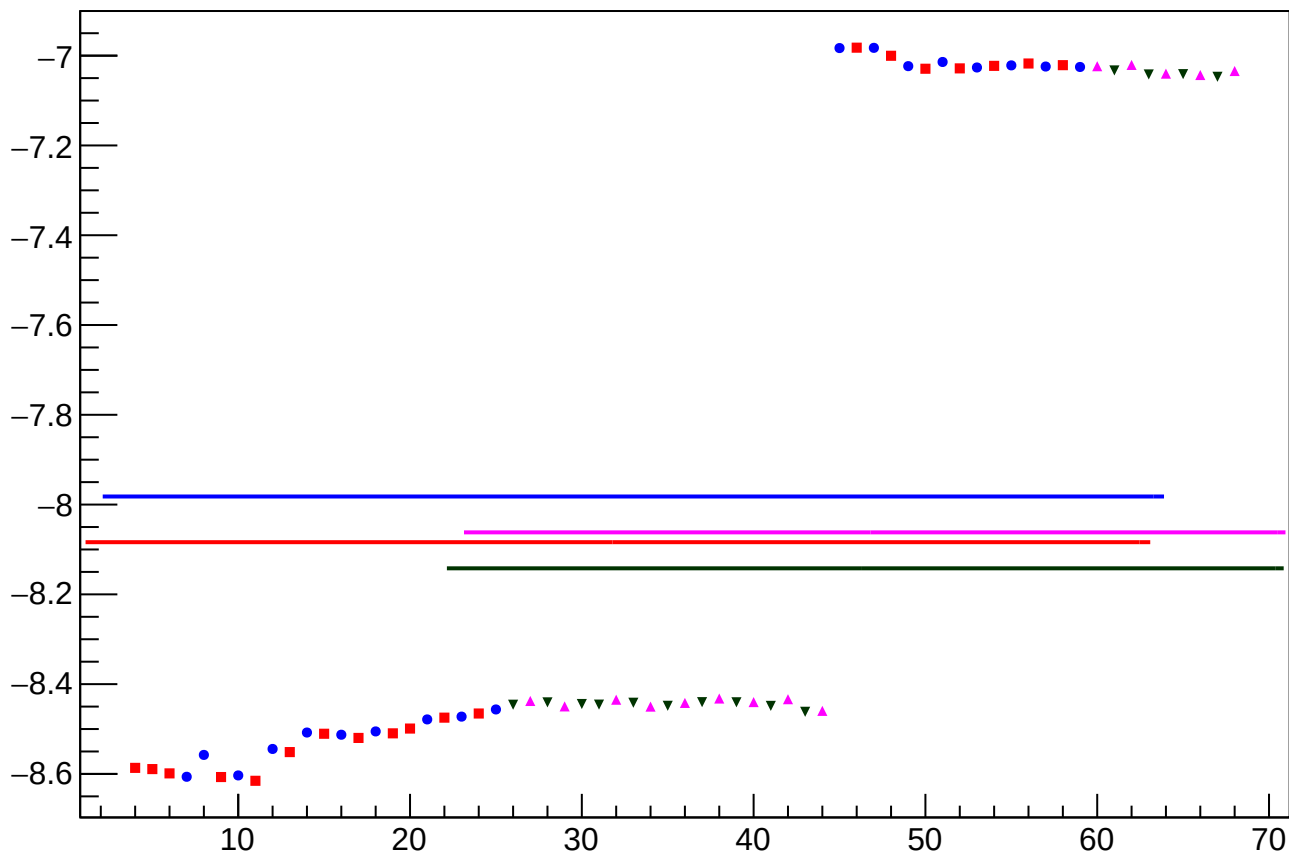
Right Out: 0.007+/-0.000 χ^2/NDF : 167417.2/18

Left In: 0.008+/-0.000 χ^2/NDF : 31539.0/13

0.008+/-0.000 χ^2/NDF : 308763.4/31

0.008+/-0.000 χ^2/NDF : 229447.2/32

yield_bpm2i01Y_mean vs slug



Right In: -7.982+/-0.000 χ^2/NDF : 116524136897.0/17

Left Out: -8.142+/-0.000 χ^2/NDF : 44167478467.3/13

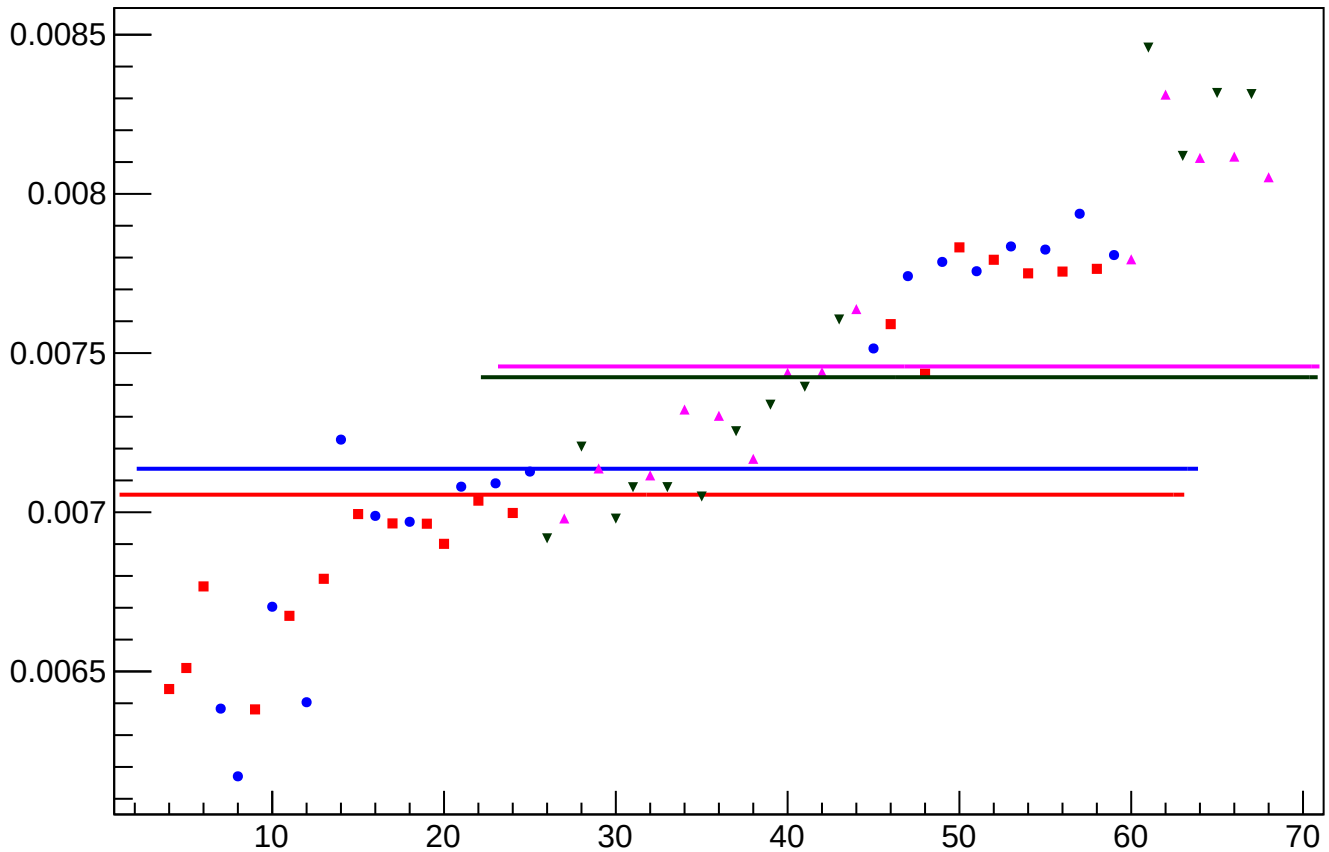
Right Out: -8.084+/-0.000 χ^2/NDF : 99506540389.5/18

Left In: -8.062+/-0.000 χ^2/NDF : 57643912962.7/13

-8.042+/-0.000 χ^2/NDF : 162803933511.1/31

-8.074+/-0.000 χ^2/NDF : 157191013099.3/32

yield_bpm2i01Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 141394.2/17

Left Out: 0.007+/-0.000 χ^2/NDF : 63164.9/13

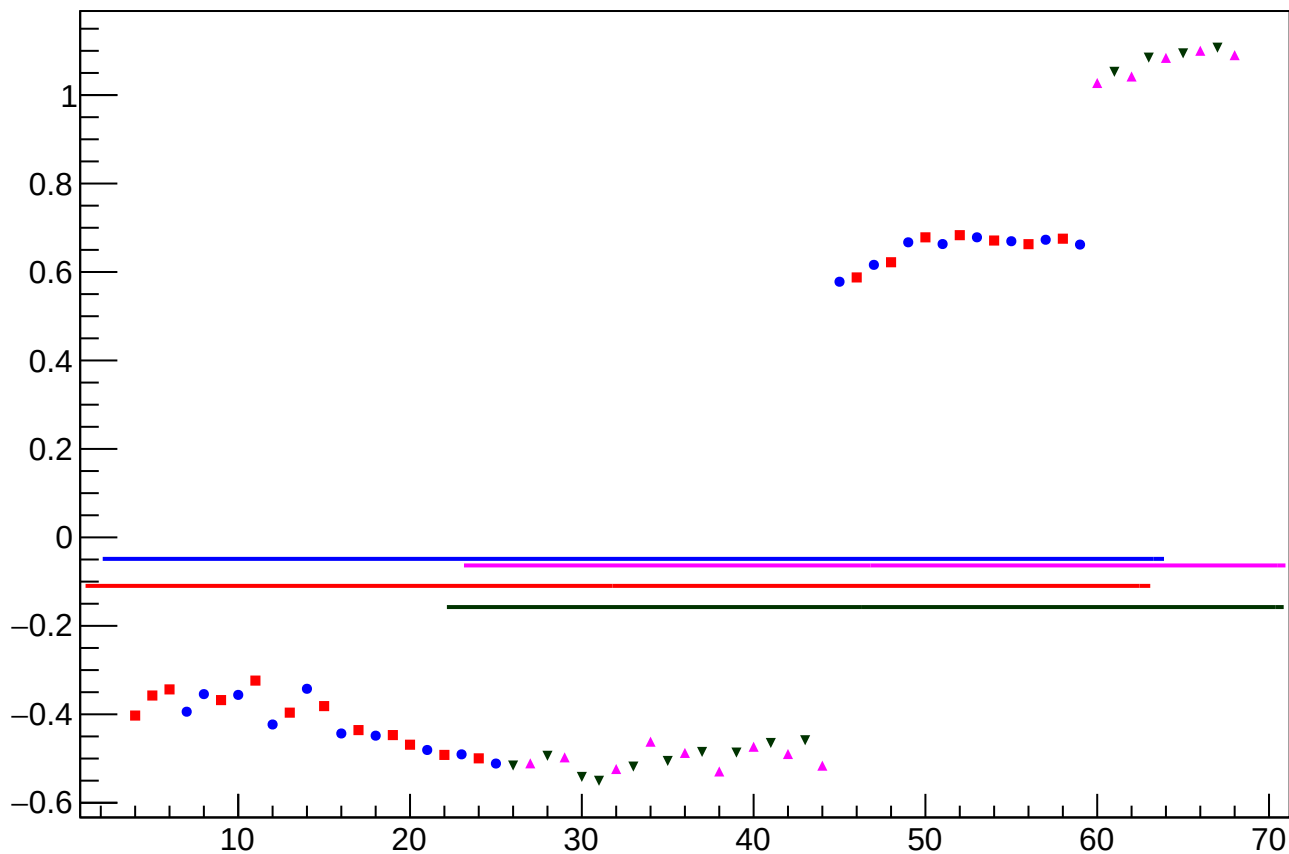
Right Out: 0.007+/-0.000 χ^2/NDF : 88863.4/18

Left In: 0.007+/-0.000 χ^2/NDF : 50226.7/13

0.007+/-0.000 χ^2/NDF : 218199.0/31

0.007+/-0.000 χ^2/NDF : 166588.0/32

yield_bpm2i02X_mean vs slug



Right In: -0.049+/-0.000 χ^2 /NDF: 7806391272.8/17

Left Out: -0.158+/-0.000 χ^2 /NDF: 7003046616.7/13

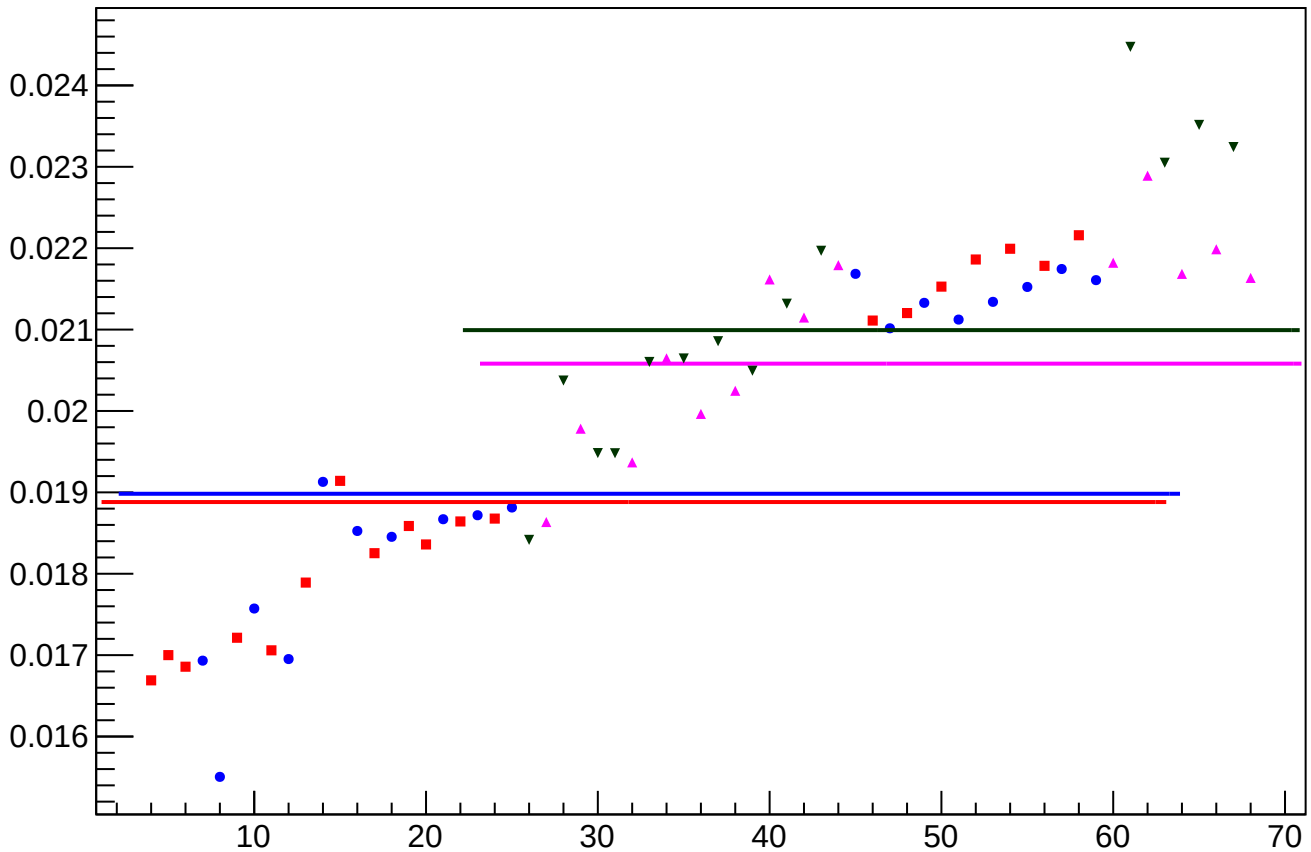
Right Out: -0.110+/-0.000 χ^2 /NDF: 6259069670.0/18

Left In: -0.063+/-0.000 χ^2 /NDF: 9514806426.4/13

-0.086+/-0.000 χ^2 /NDF: 14935912903.7/31

-0.091+/-0.000 χ^2 /NDF: 15797984013.5/32

yield_bpm2i02X_rms vs slug



Right In: 0.019+/-0.000 χ^2/NDF : 254927.5/17

Left Out: 0.021+/-0.000 χ^2/NDF : 81297.8/13

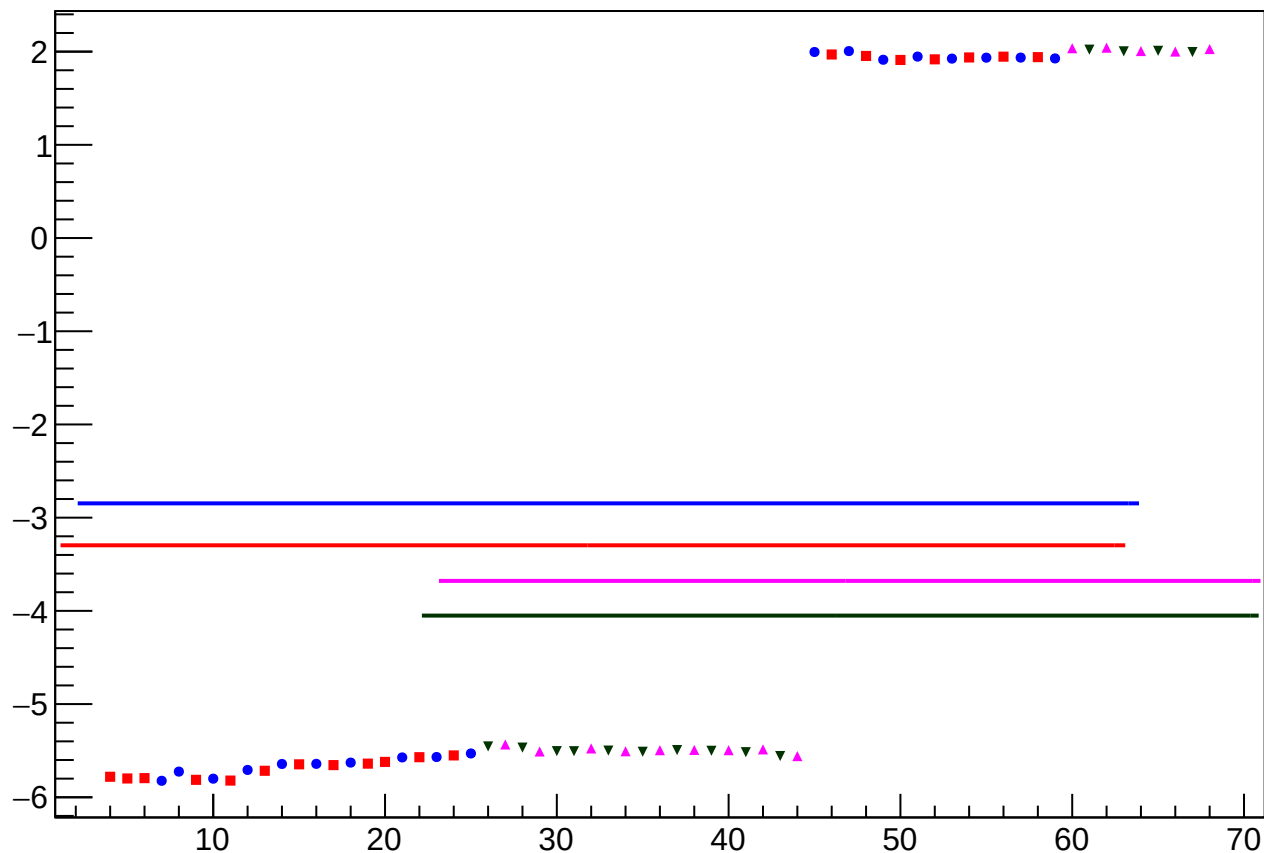
Right Out: 0.019+/-0.000 χ^2/NDF : 190553.3/18

Left In: 0.021+/-0.000 χ^2/NDF : 57849.0/13

0.020+/-0.000 χ^2/NDF : 422383.0/31

0.020+/-0.000 χ^2/NDF : 313725.9/32

yield_bpm2i02Y_mean vs slug



Right In: -2.847+/-0.000 χ^2/NDF : 988085675921.2/17

Left Out: -4.051+/-0.000 χ^2/NDF : 403519541513.1/13

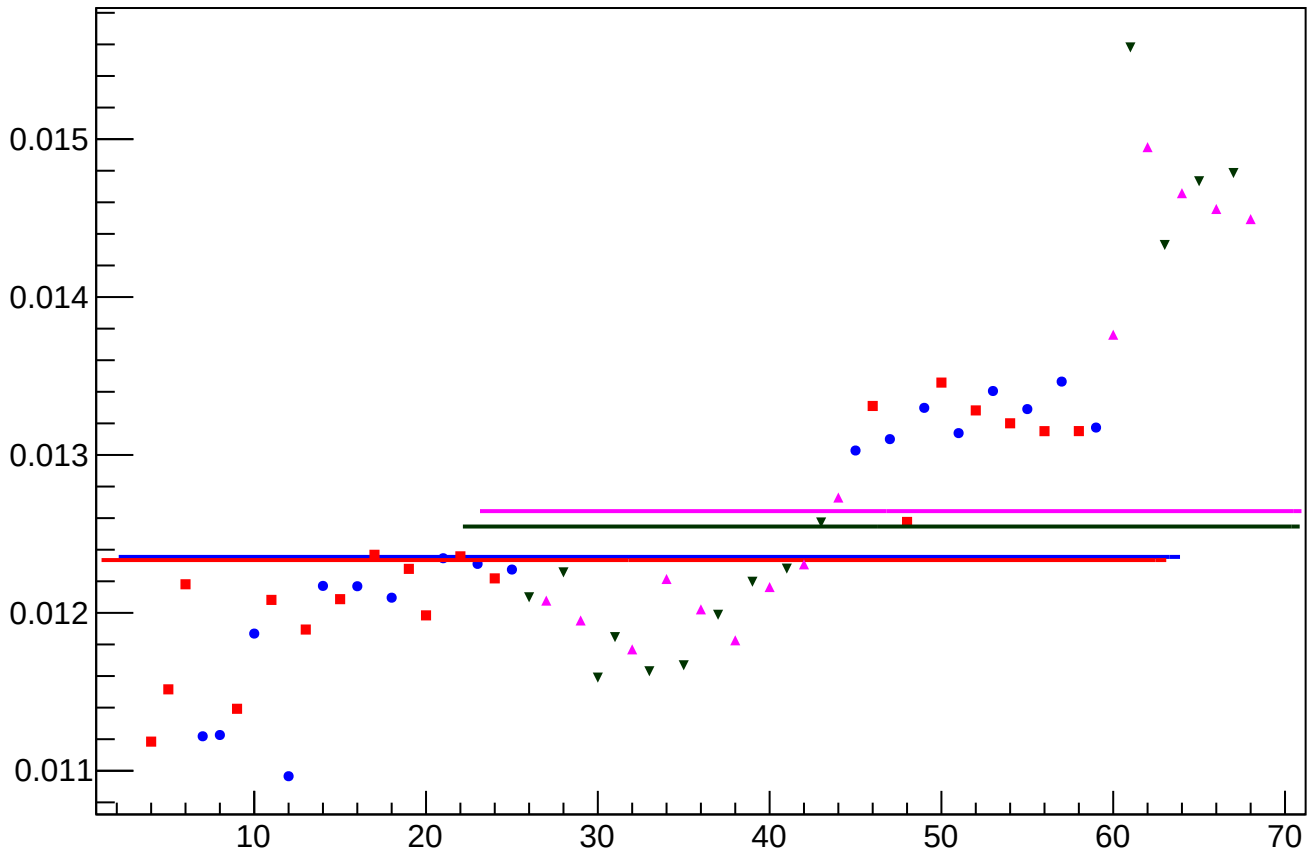
Right Out: -3.297+/-0.000 χ^2/NDF : 819050975647.4/18

Left In: -3.678+/-0.000 χ^2/NDF : 525926319993.3/13

-3.312+/-0.000 χ^2/NDF : 1432506296867.6/31

-3.464+/-0.000 χ^2/NDF : 1349136784932.5/32

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 :120662.2/13

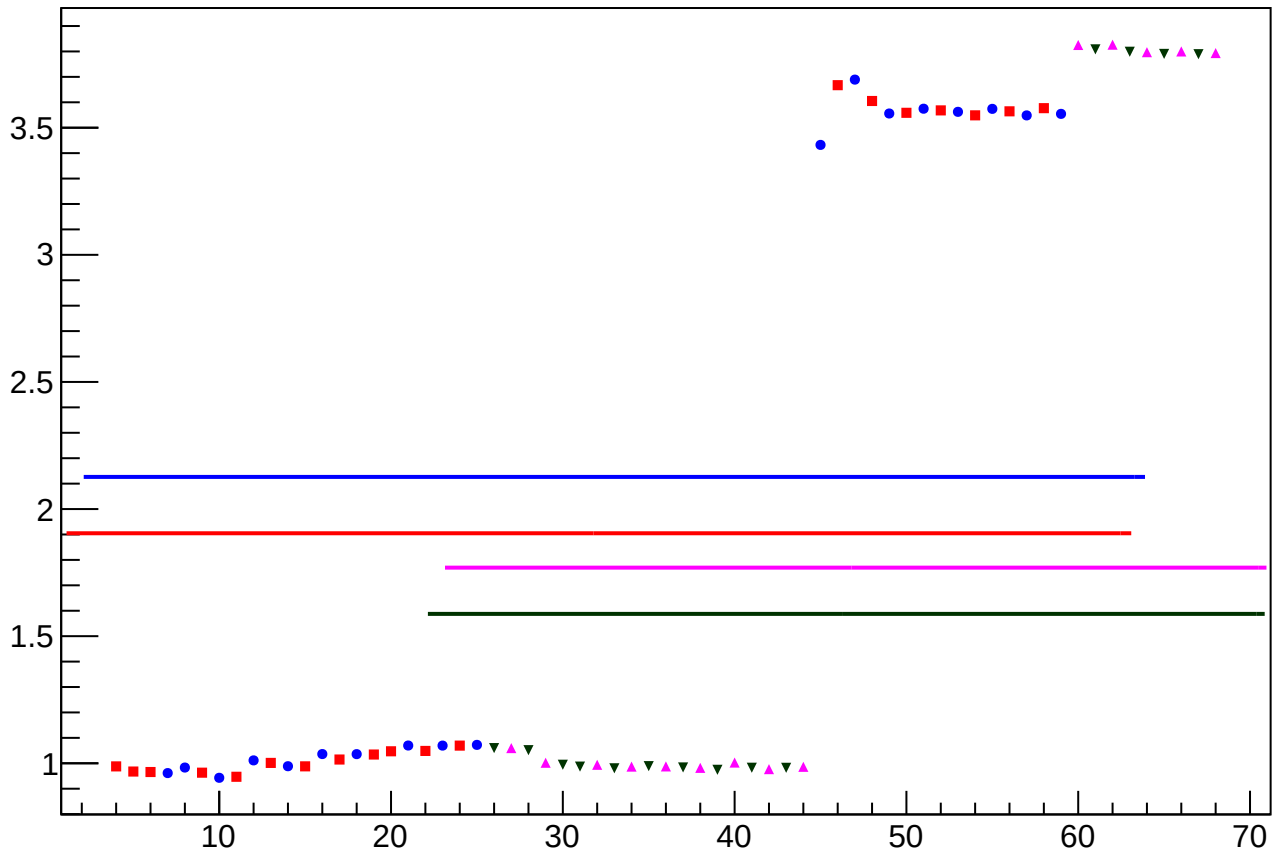
Right Out: 0.012+/-0.000 χ^2/NDF : 54886.5/18

Left In: 0.013+/-0.000 χ^2/NDF :114506.9/13

0.012+/-0.000 χ^2/NDF : 212594.4/31

0.012+/-0.000 χ^2/NDF : 174876.2/32

yield_bpm1i04X_mean vs slug



Right In: 2.126+/-0.000 χ^2/NDF : 292632575878.4/17

Left Out: 1.588+/-0.000 χ^2/NDF :156433791211.4/13

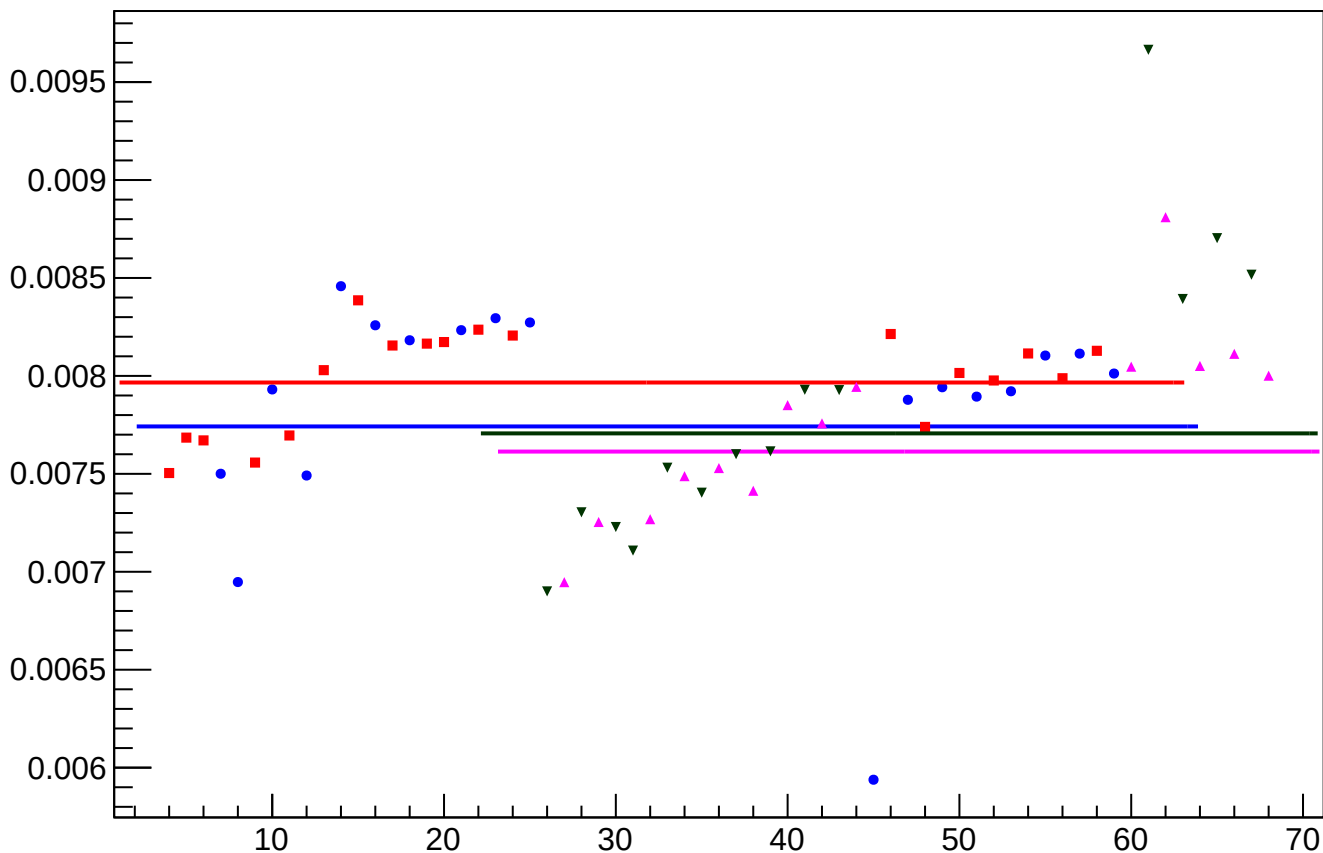
1.913+/-0.000 χ^2/NDF : 470251571441.8/31

Right Out: 1.905+/-0.000 χ^2/NDF : 236022966001.2/18

1.841+/-0.000 χ^2/NDF : 455014671412.7/32

Left In: 1.770+/-0.000 χ^2/NDF :217649598783.2/13

yield_bpm1i04X_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 178907.2/17

Left Out: 0.008+/-0.000 χ^2/NDF : 93635.7/13

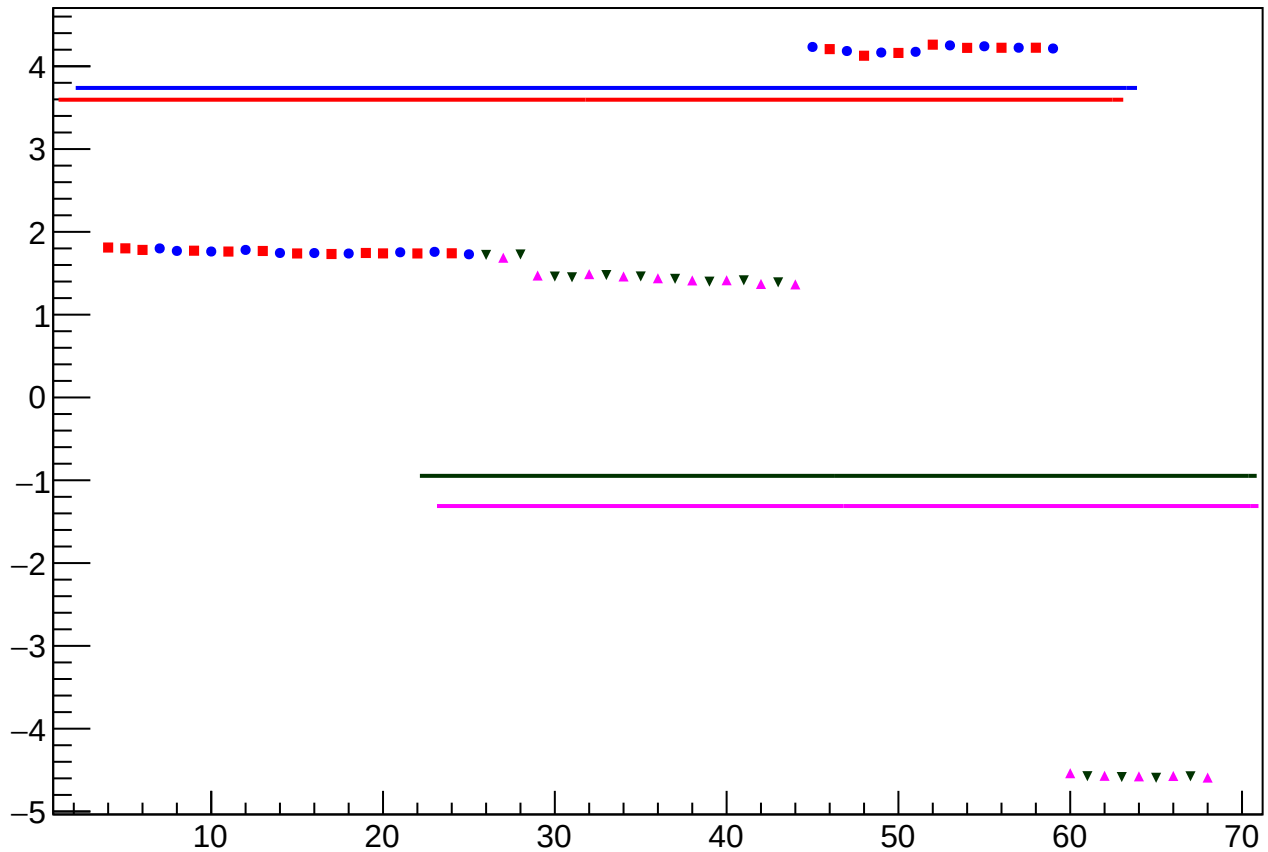
Right Out: 0.008+/-0.000 χ^2/NDF : 20073.5/18

Left In: 0.008+/-0.000 χ^2/NDF : 56736.3/13

0.008+/-0.000 χ^2/NDF : 272726.6/31

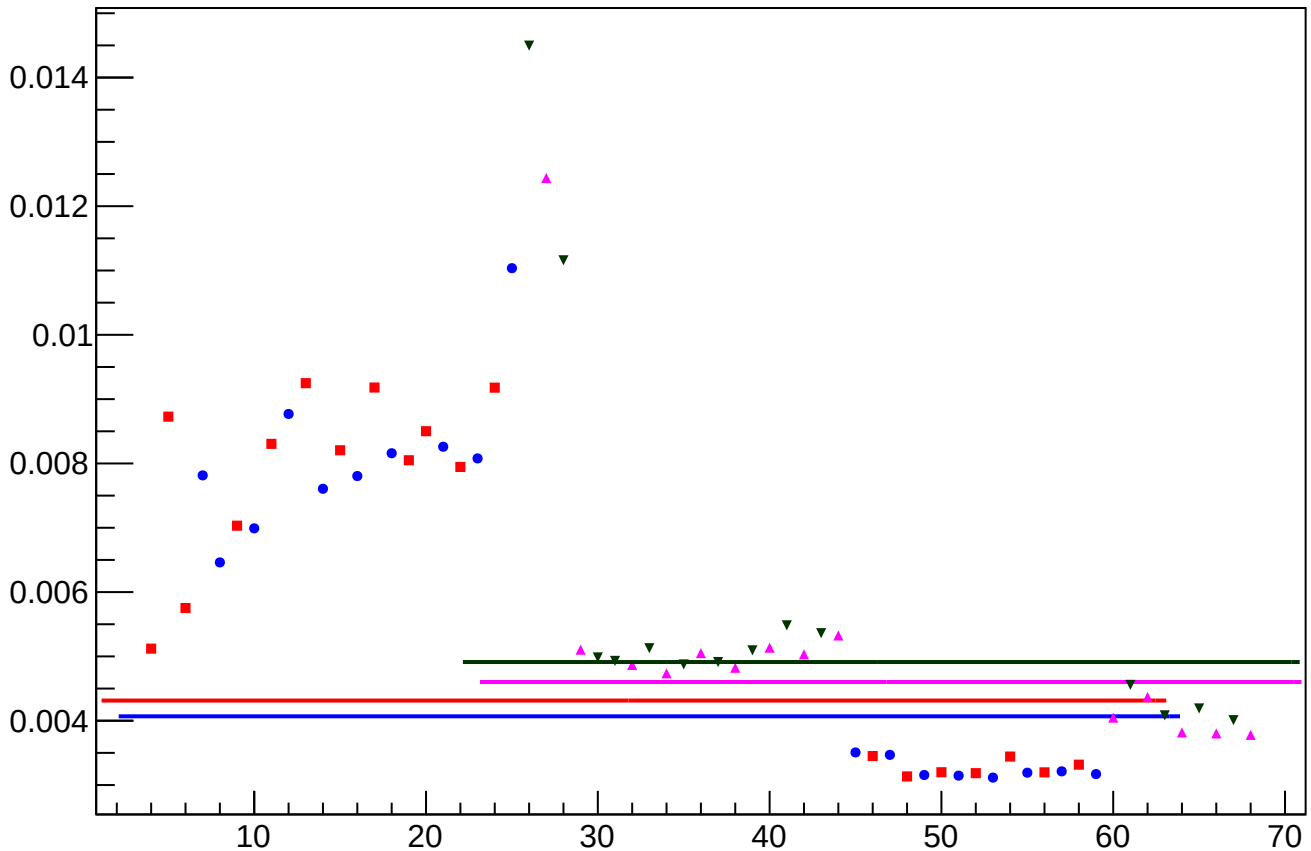
0.008+/-0.000 χ^2/NDF : 95061.2/32

yield_bpm1i04Y_mean vs slug



Right In: 3.738+/-0.000	χ^2/NDF : 502669373965.6/17	2.197+/-0.000	χ^2/NDF : 6704325584105.1/31
Left Out: -0.947+/-0.000	χ^2/NDF : 2305587618829.6/13		
Right Out: 3.596+/-0.000	χ^2/NDF : 468031292414.6/18	1.378+/-0.000	χ^2/NDF : 8159408684284.0/32
Left In: -1.311+/-0.000	χ^2/NDF : 3114229608097.8/13		

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 : 958733.4/13

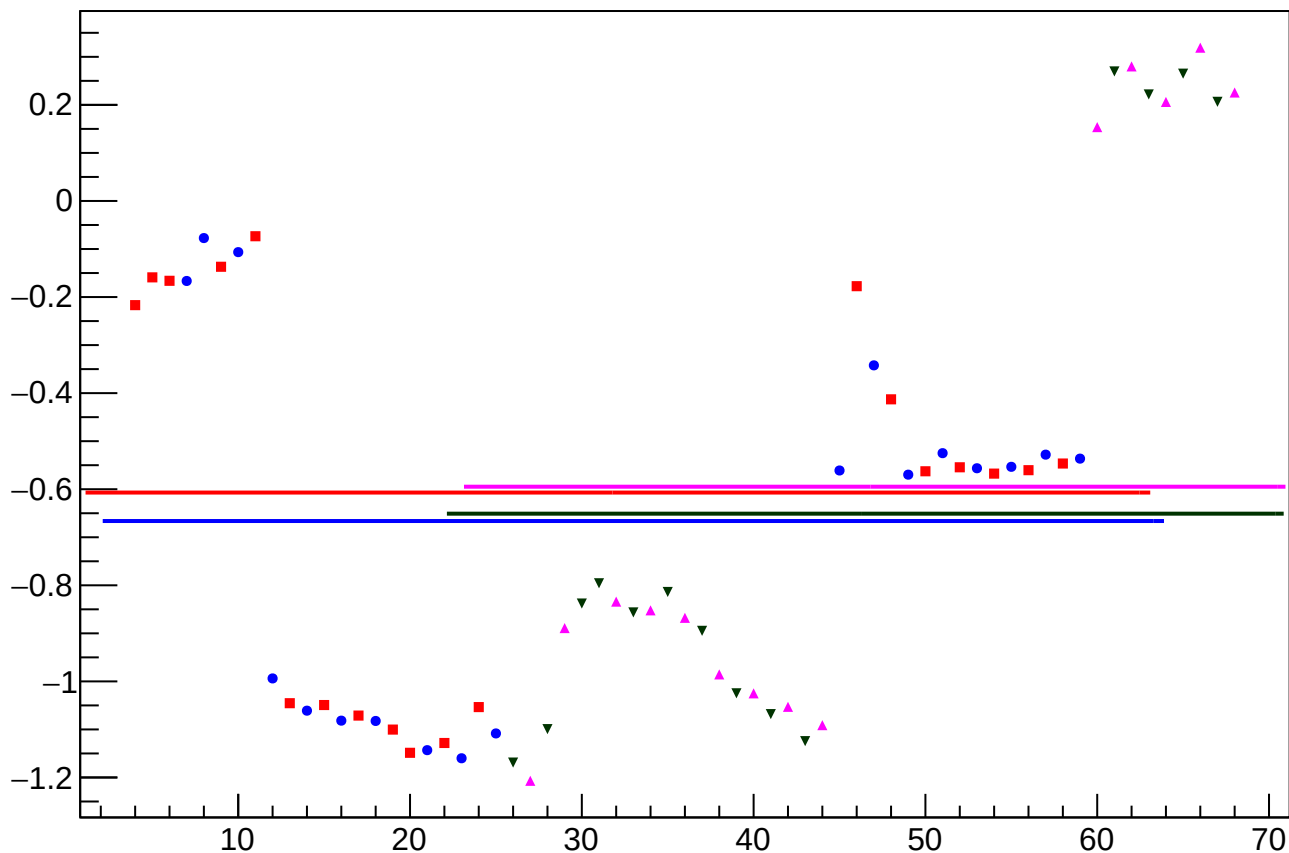
0.004+/-0.000 χ^2/NDF : 4613351.0/31

Right Out: 0.004+/-0.000 χ^2/NDF : 3241260.9/18

0.004+/-0.000 χ^2/NDF : 4070097.7/32

Left In: 0.005+/-0.000 χ^2/NDF : 797219.8/13

yield_bpm0l01X_mean vs slug



Right In: -0.666+/-0.000 χ^2/NDF : 19135534349.5/17

Left Out: -0.651+/-0.000 χ^2/NDF : 25091294016.8/13

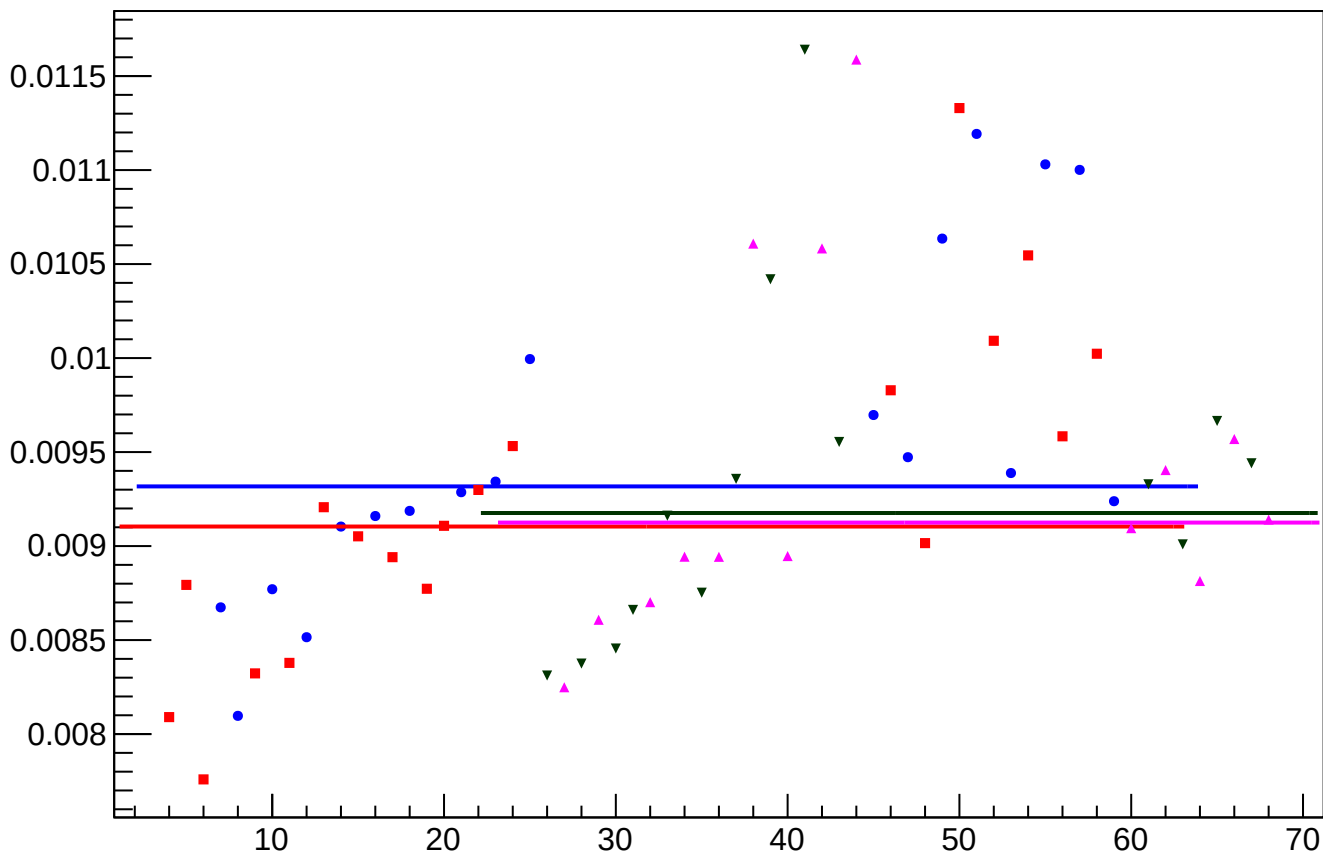
Right Out: -0.607+/-0.000 χ^2/NDF : 19217252419.4/18

Left In: -0.595+/-0.000 χ^2/NDF : 31657564504.4/13

-0.660+/-0.000 χ^2/NDF : 44238630945.4/31

-0.601+/-0.000 χ^2/NDF : 50882661688.3/32

yield_bpm0l01X_rms vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 165772.4/17

Left Out: 0.009+/-0.000 χ^2/NDF :108532.0/13

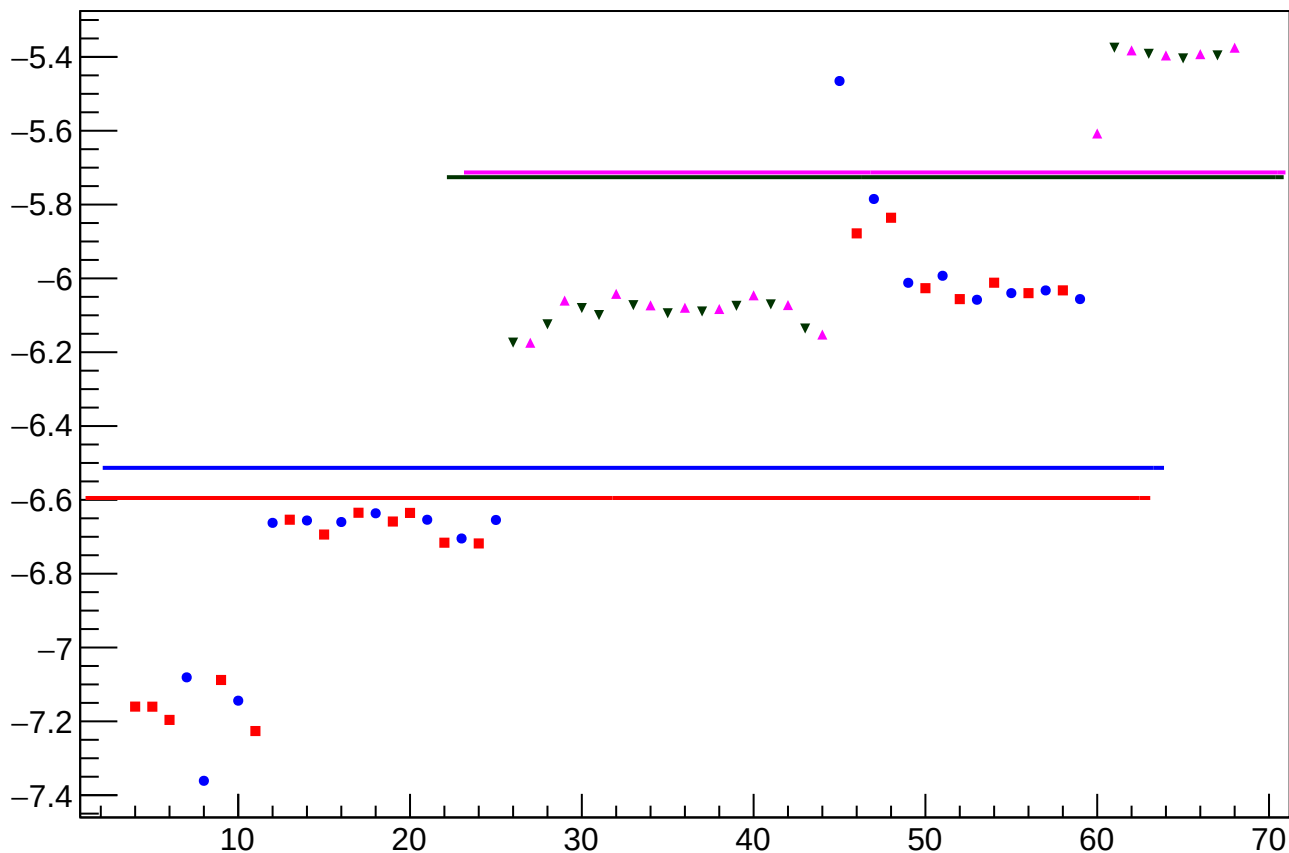
Right Out: 0.009+/-0.000 χ^2/NDF : 159092.9/18

Left In: 0.009+/-0.000 χ^2/NDF :120115.4/13

0.009+/-0.000 χ^2/NDF : 276322.2/31

0.009+/-0.000 χ^2/NDF : 279254.8/32

yield_bpm0l01Y_mean vs slug



Right In: -6.513 ± 0.000 χ^2/NDF : 34103178286.6/17

Left Out: -5.726 ± 0.000 χ^2/NDF : 14637187443.6/13

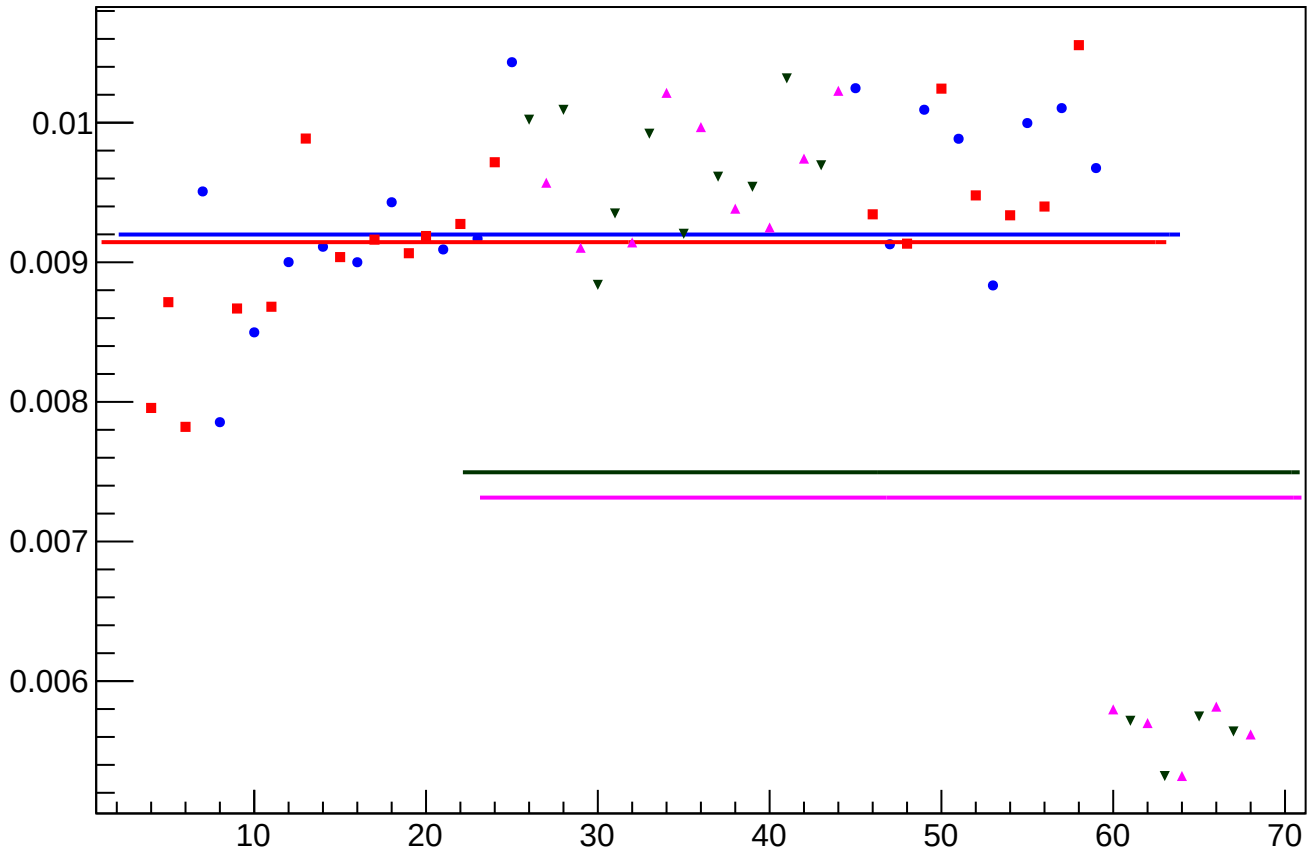
Right Out: -6.595 ± 0.000 χ^2/NDF : 25777696502.6/18

Left In: -5.713 ± 0.000 χ^2/NDF : 15476949431.9/13

-6.137 ± 0.000 χ^2/NDF : 86624494616.7/31

-6.109 ± 0.000 χ^2/NDF : 90035013825.1/32

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 : 980706.4/13

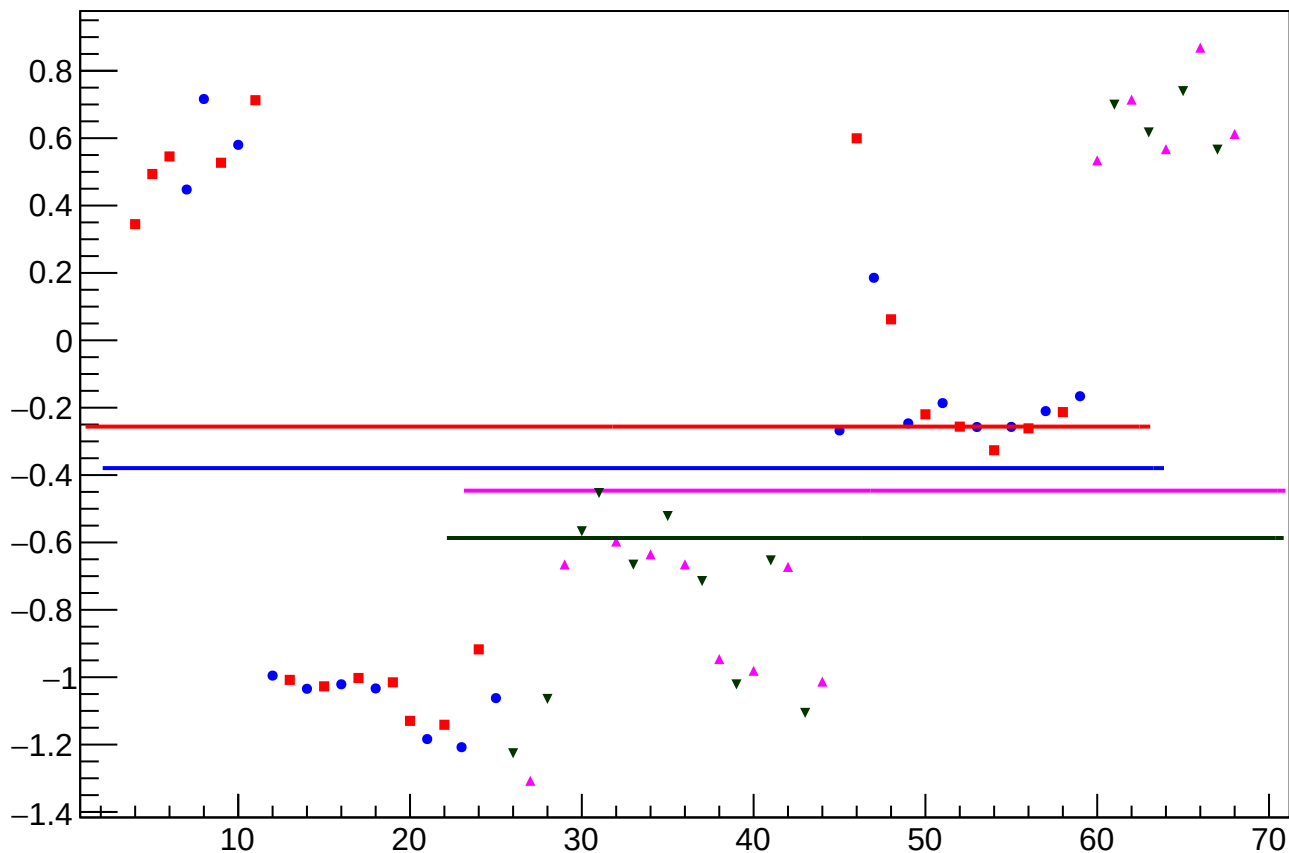
Right Out: 0.009+/-0.000 χ^2/NDF : 101222.8/18

Left In: 0.007+/-0.000 χ^2/NDF : 1060054.3/13

0.008+/-0.000 χ^2/NDF : 1455634.9/31

0.008+/-0.000 χ^2/NDF : 1581247.0/32

yield_bpm0l02X_mean vs slug



Right In: -0.379 ± 0.000 $\chi^2/\text{NDF}: 10136750548.1/17$

Left Out: -0.587 ± 0.000 $\chi^2/\text{NDF}: 13016992077.9/13$

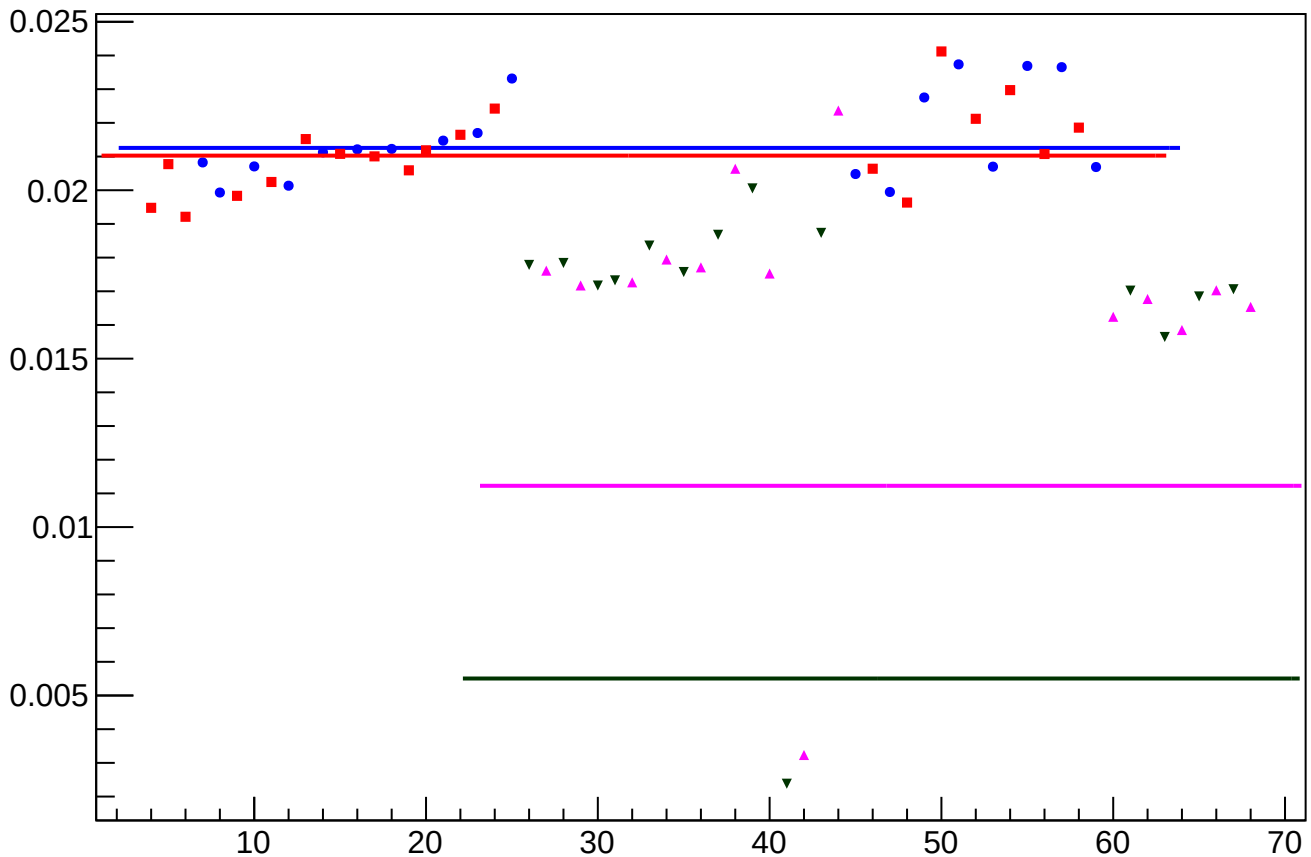
Right Out: -0.256 ± 0.000 $\chi^2/\text{NDF}: 10103342122.6/18$

Left In: -0.446 ± 0.000 $\chi^2/\text{NDF}: 15944865476.4/13$

-0.547 ± 0.000 $\chi^2/\text{NDF}: 24003686125.7/31$

-0.383 ± 0.000 $\chi^2/\text{NDF}: 26579682471.0/32$

yield_bpm0l02X_rms vs slug



Right In: 0.021 $\pm$ 0.000 χ^2 /NDF: 64142.6/17

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 7866433.9/13

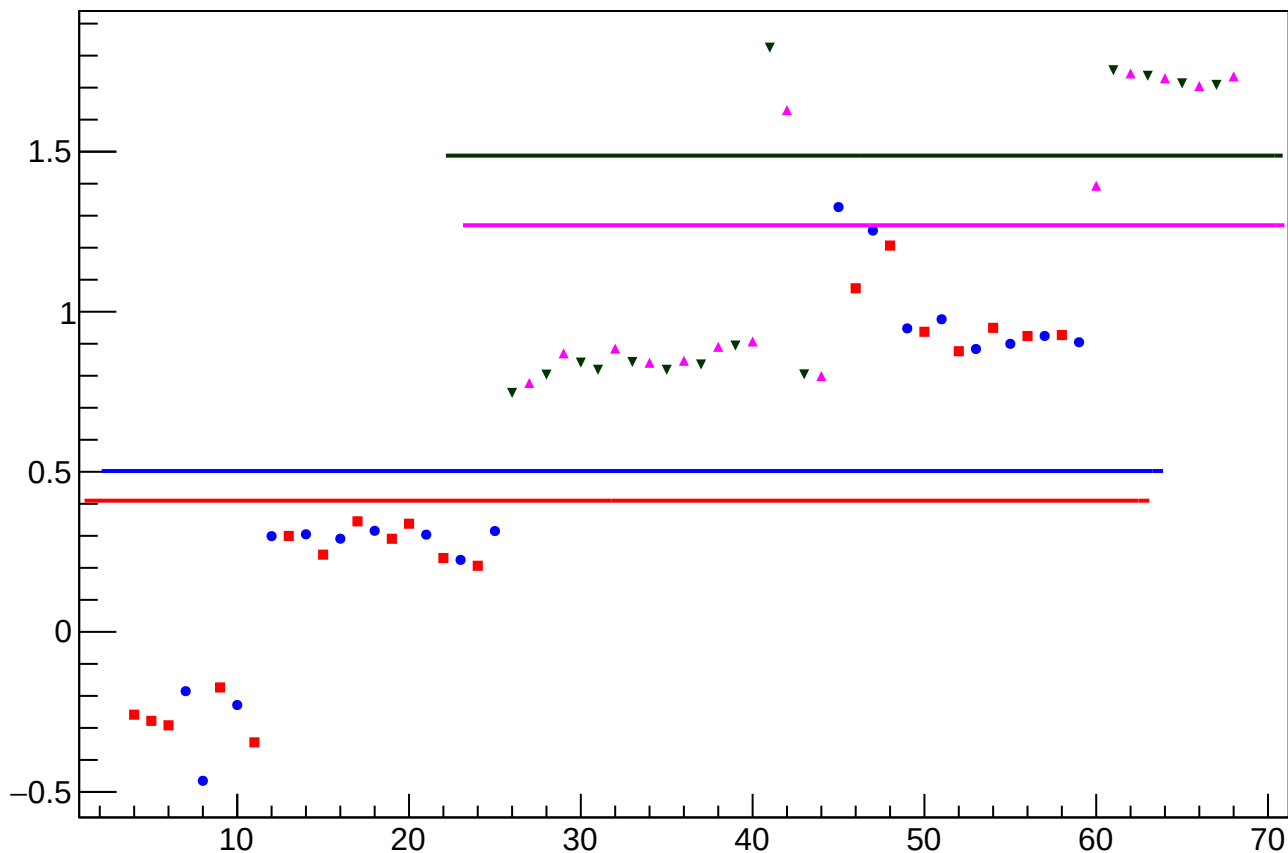
Right Out: 0.021 $\pm$ 0.000 χ^2 /NDF: 62886.6/18

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 4479866.2/13

0.009 $\pm$ 0.000 χ^2 /NDF: 17729479.9/31

0.014 $\pm$ 0.000 χ^2 /NDF: 7367341.1/32

yield_bpm0l02Y_mean vs slug



Right In: 0.502 $\pm$ 0.000 χ^2/NDF : 19155654908.3/17

Left Out: 1.488 $\pm$ 0.000 χ^2/NDF : 21602907456.0/13

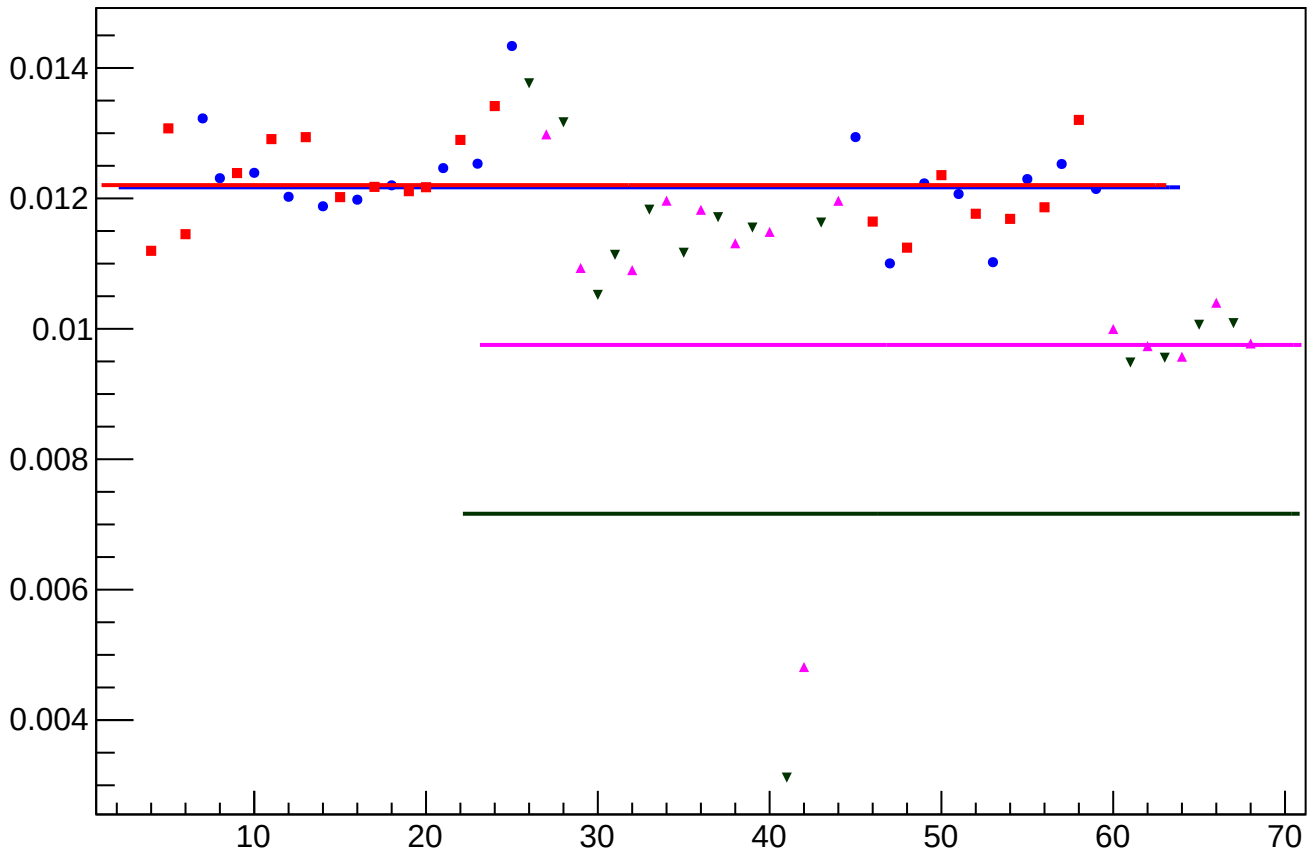
Right Out: 0.410 $\pm$ 0.000 χ^2/NDF : 16439315084.0/18

Left In: 1.270 $\pm$ 0.000 χ^2/NDF : 12849728969.1/13

1.080 $\pm$ 0.000 χ^2/NDF : 82843621788.5/31

0.880 $\pm$ 0.000 χ^2/NDF : 55439505154.9/32

yield_bpm0l02Y_rms vs slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 45604.3/17

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 3403097.2/13

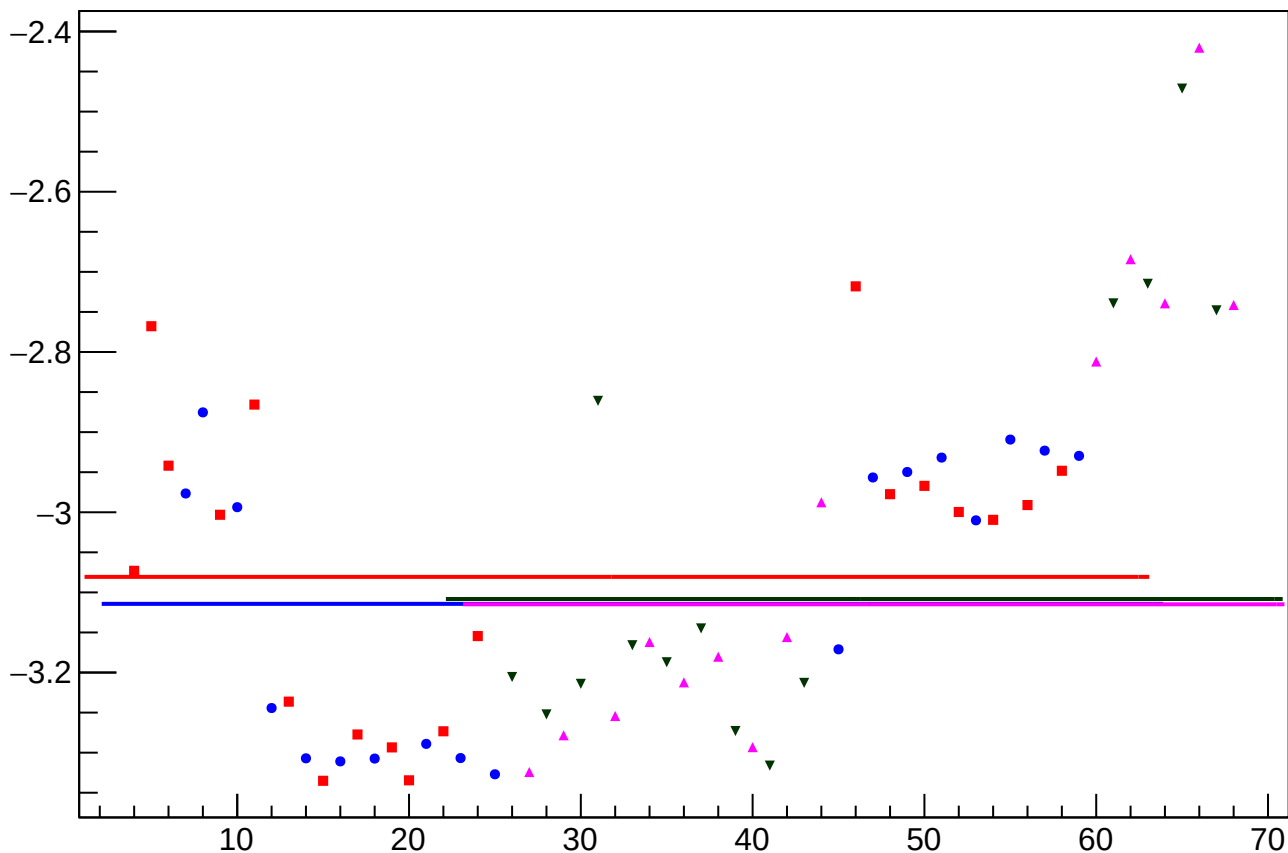
Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 53181.0/18

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 984652.8/13

0.009 $\pm$ 0.000 χ^2 /NDF: 5621431.4/31

0.011 $\pm$ 0.000 χ^2 /NDF: 1462302.8/32

yield_bpm0l03X_mean vs slug



Right In: -3.114+/-0.000 χ^2/NDF : 4627659924.1/17

Left Out: -3.108+/-0.000 χ^2/NDF : 6733519053.6/13

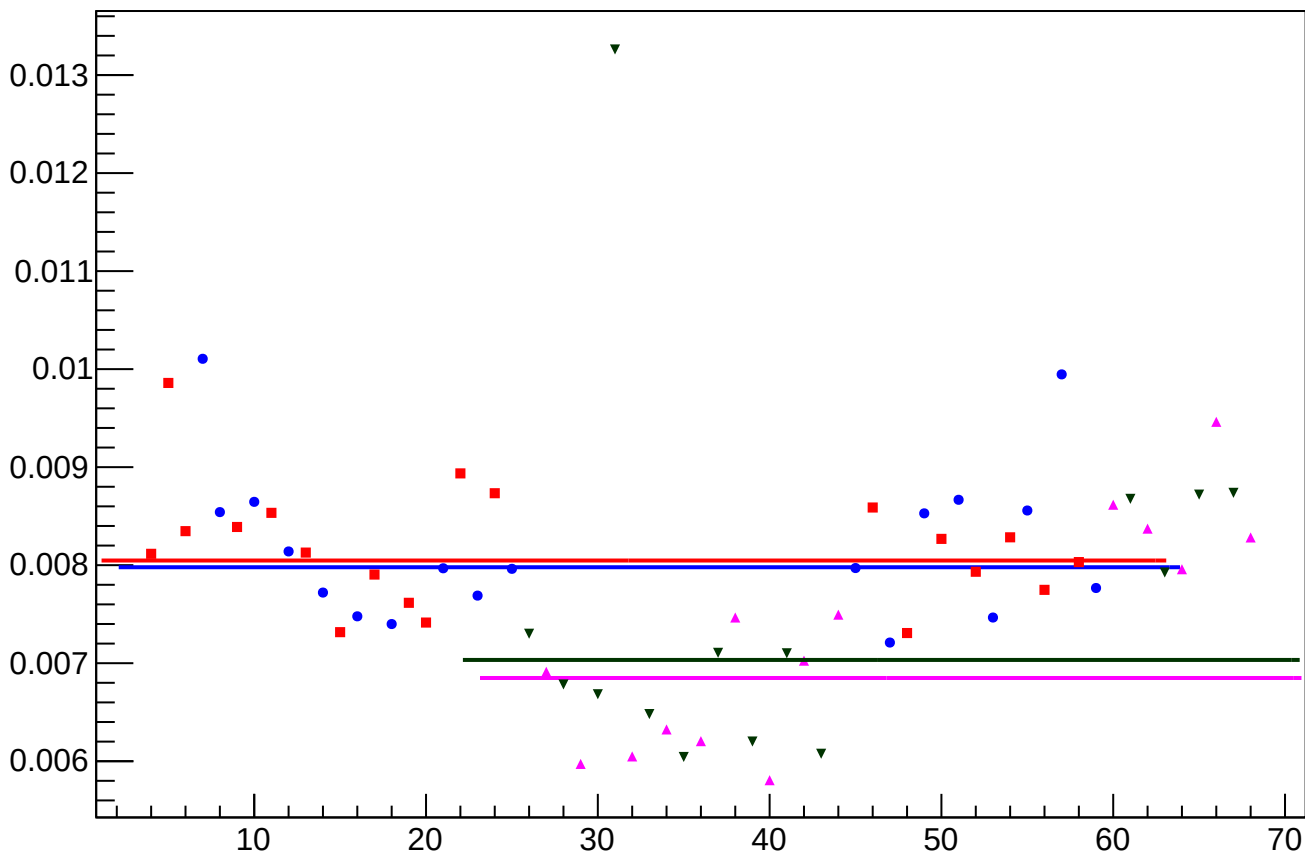
Right Out: -3.081+/-0.000 χ^2/NDF : 3839311184.0/18

Left In: -3.115+/-0.000 χ^2/NDF : 8767748247.7/13

-3.112+/-0.000 χ^2/NDF : 11363680573.4/31

-3.099+/-0.000 χ^2/NDF : 12688743420.9/32

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 : 310148.1/13

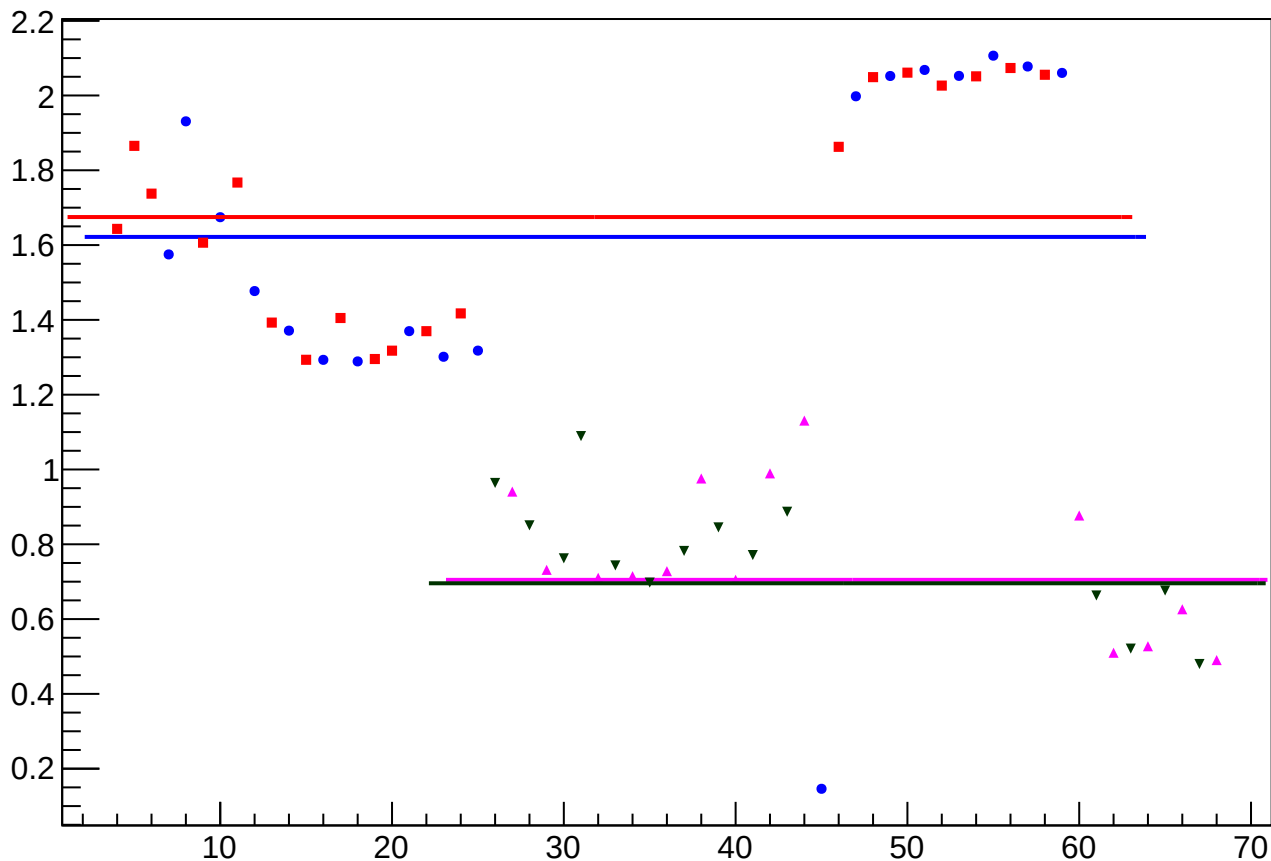
Right Out: 0.008+/-0.000 χ^2/NDF : 57509.8/18

Left In: 0.007+/-0.000 χ^2/NDF : 307602.4/13

0.008+/-0.000 χ^2/NDF : 527303.2/31

0.007+/-0.000 χ^2/NDF : 565510.7/32

yield_bpm0l03Y_mean vs slug



Right In: 1.622 $\pm$ 0.000 χ^2 /NDF: 26006902897.9/17

Left Out: 0.696 $\pm$ 0.000 χ^2 /NDF:2261094910.7/13

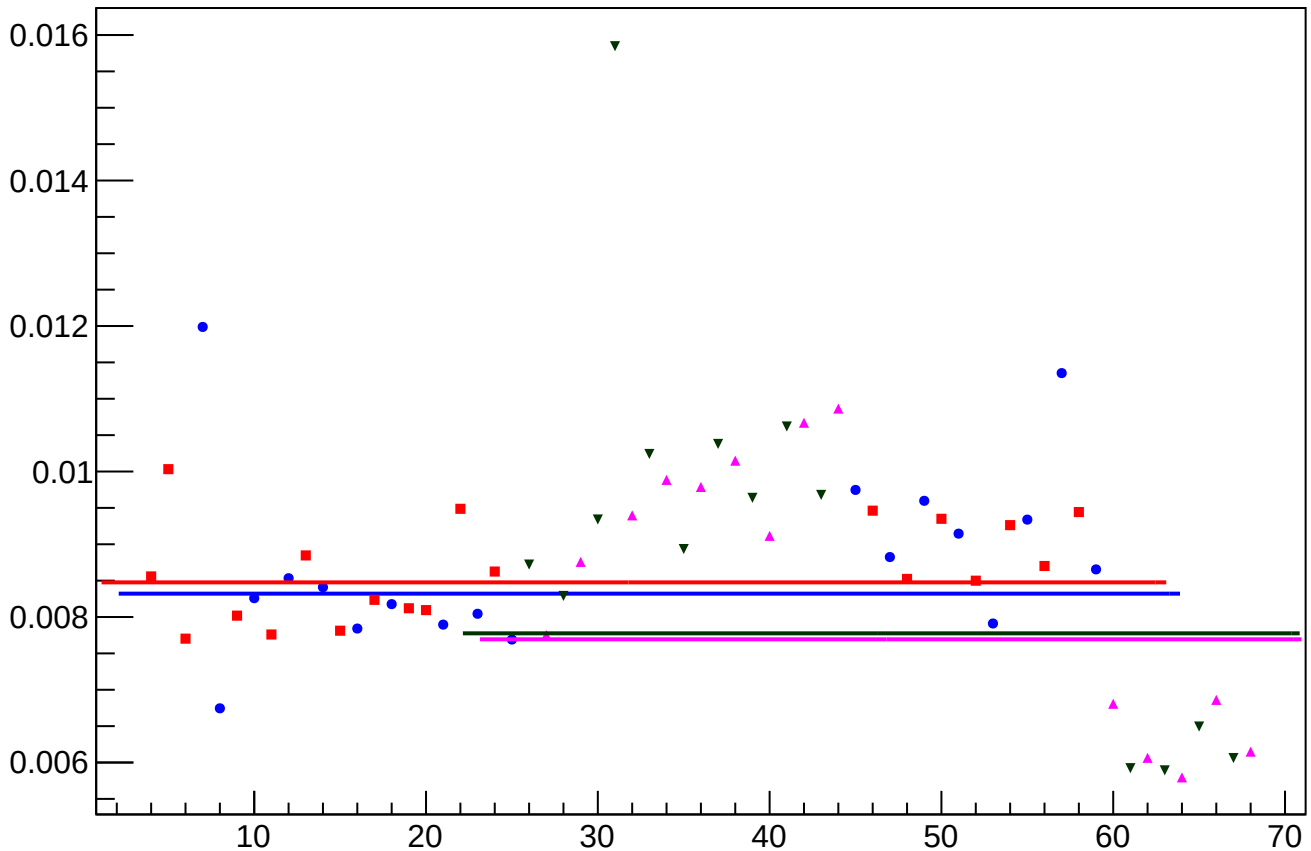
Right Out: 1.675 $\pm$ 0.000 χ^2 /NDF: 9809193440.2/18

Left In: 0.705 $\pm$ 0.000 χ^2 /NDF:3782282649.9/13

1.234 $\pm$ 0.000 χ^2 /NDF: 76827985222.8/31

1.184 $\pm$ 0.000 χ^2 /NDF: 67859114507.1/32

yield_bpm0l03Y_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 231289.2/17

Left Out: 0.008+/-0.000 χ^2/NDF : 737618.8/13

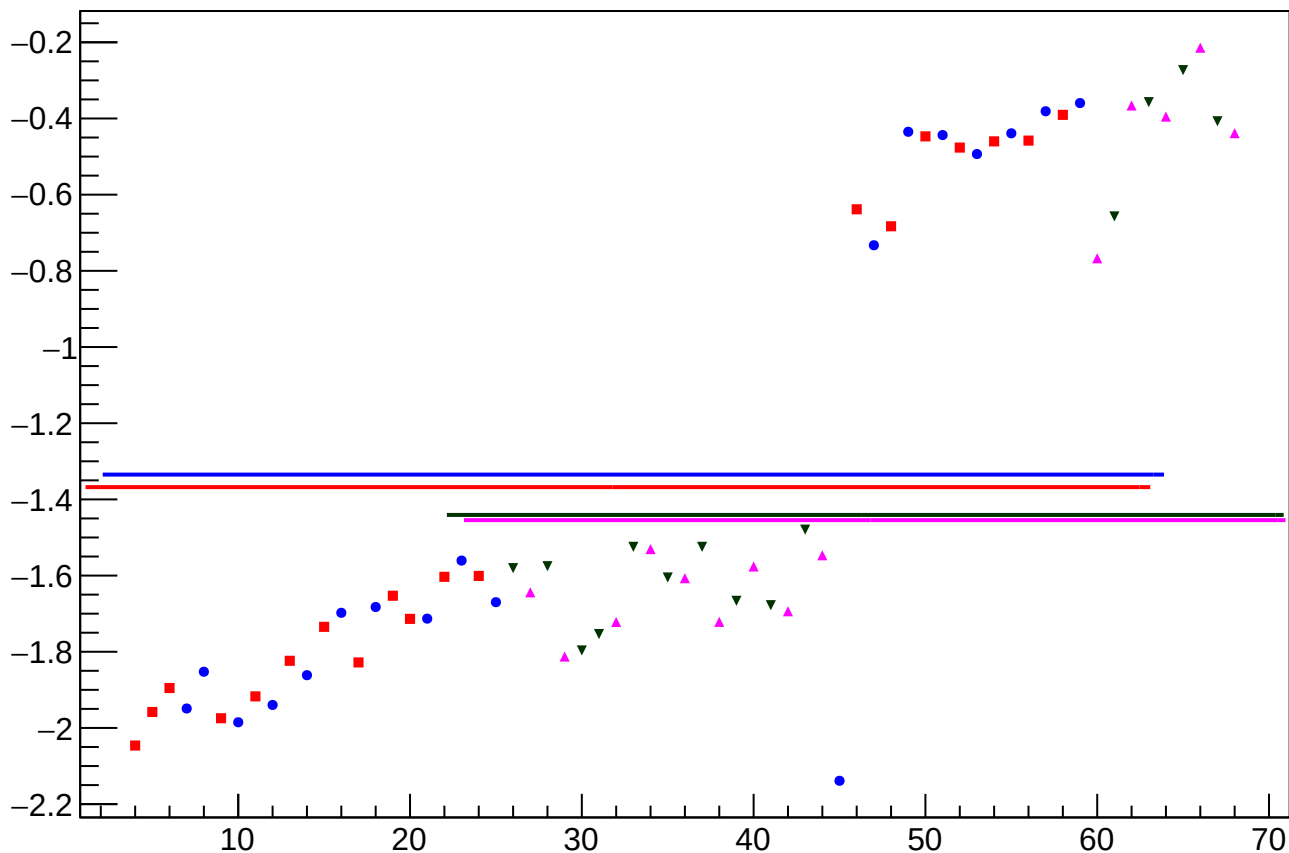
Right Out: 0.008+/-0.000 χ^2/NDF : 80155.6/18

Left In: 0.008+/-0.000 χ^2/NDF : 629826.6/13

0.008+/-0.000 χ^2/NDF : 1002594.8/31

0.008+/-0.000 χ^2/NDF : 780670.7/32

yield_bpm0l04X_mean vs slug



Right In: -1.335+/-0.000 χ^2/NDF : 38397269291.9/17

Left Out: -1.441+/-0.000 χ^2/NDF : 7992190605.0/13

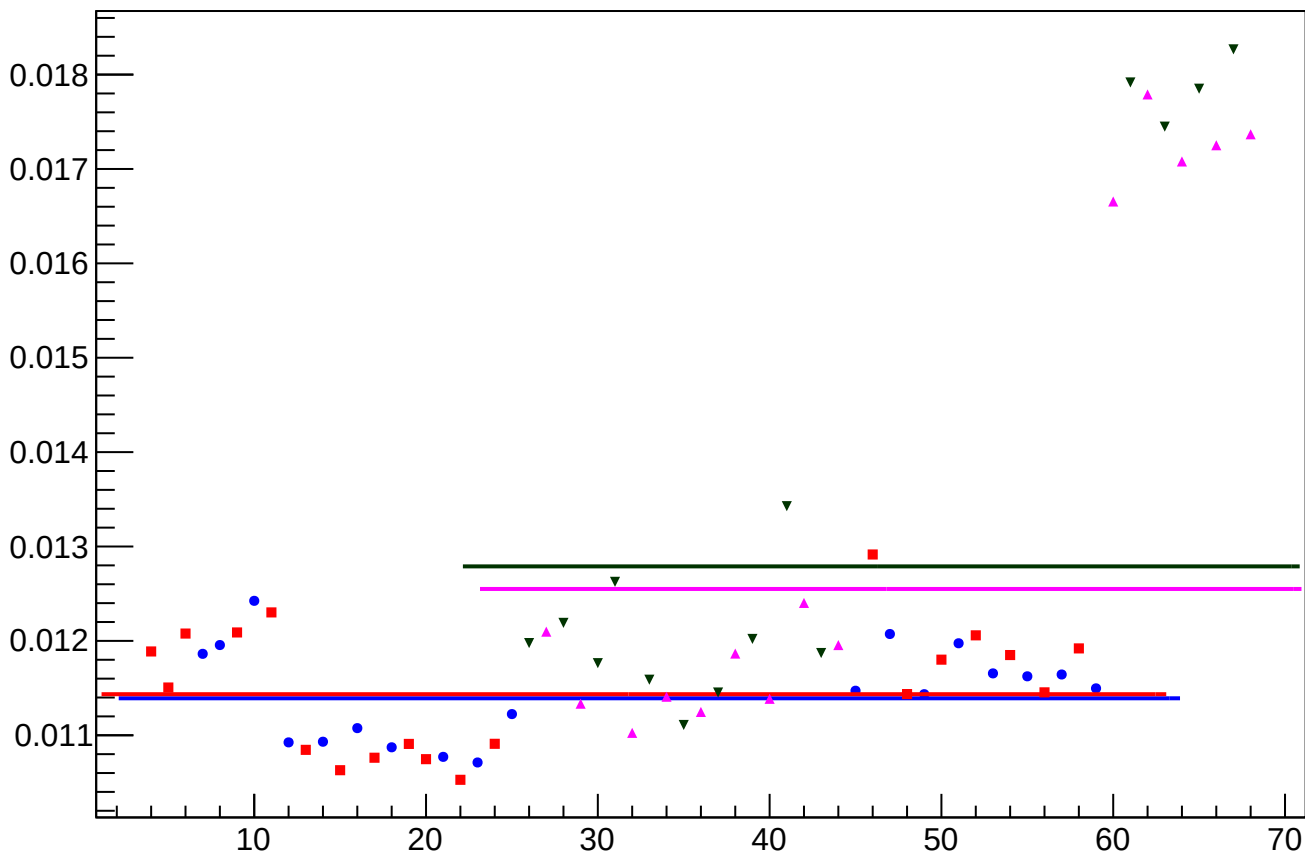
Right Out: -1.368+/-0.000 χ^2/NDF : 29057521992.7/18

Left In: -1.454+/-0.000 χ^2/NDF : 11454939655.7/13

-1.370+/-0.000 χ^2/NDF : 46709032359.6/31

-1.403+/-0.000 χ^2/NDF : 40738544338.2/32

yield_bpm0l04X_rms vs slug



Right In: 0.011+/-0.000 χ^2/NDF : 41989.4/17

Left Out: 0.013+/-0.000 χ^2/NDF : 393648.2/13

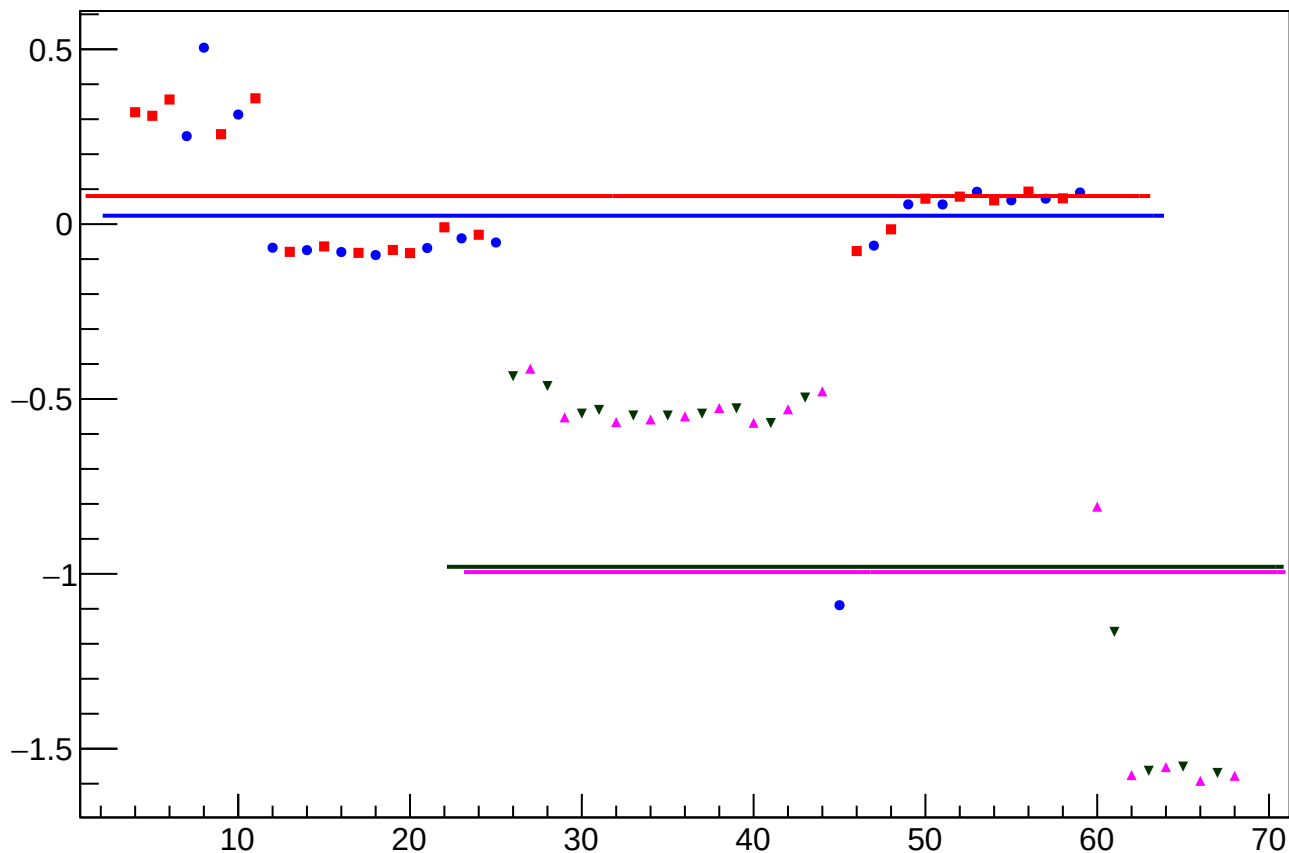
Right Out: 0.011+/-0.000 χ^2/NDF : 65676.1/18

Left In: 0.013+/-0.000 χ^2/NDF : 474459.3/13

0.012+/-0.000 χ^2/NDF : 546968.5/31

0.012+/-0.000 χ^2/NDF : 614959.8/32

yield_bpm0l04Y_mean vs slug



Right In: 0.024+/-0.000 χ^2/NDF : 18234538167.9/17

Left Out: -0.980+/-0.000 χ^2/NDF : 37164232147.7/13

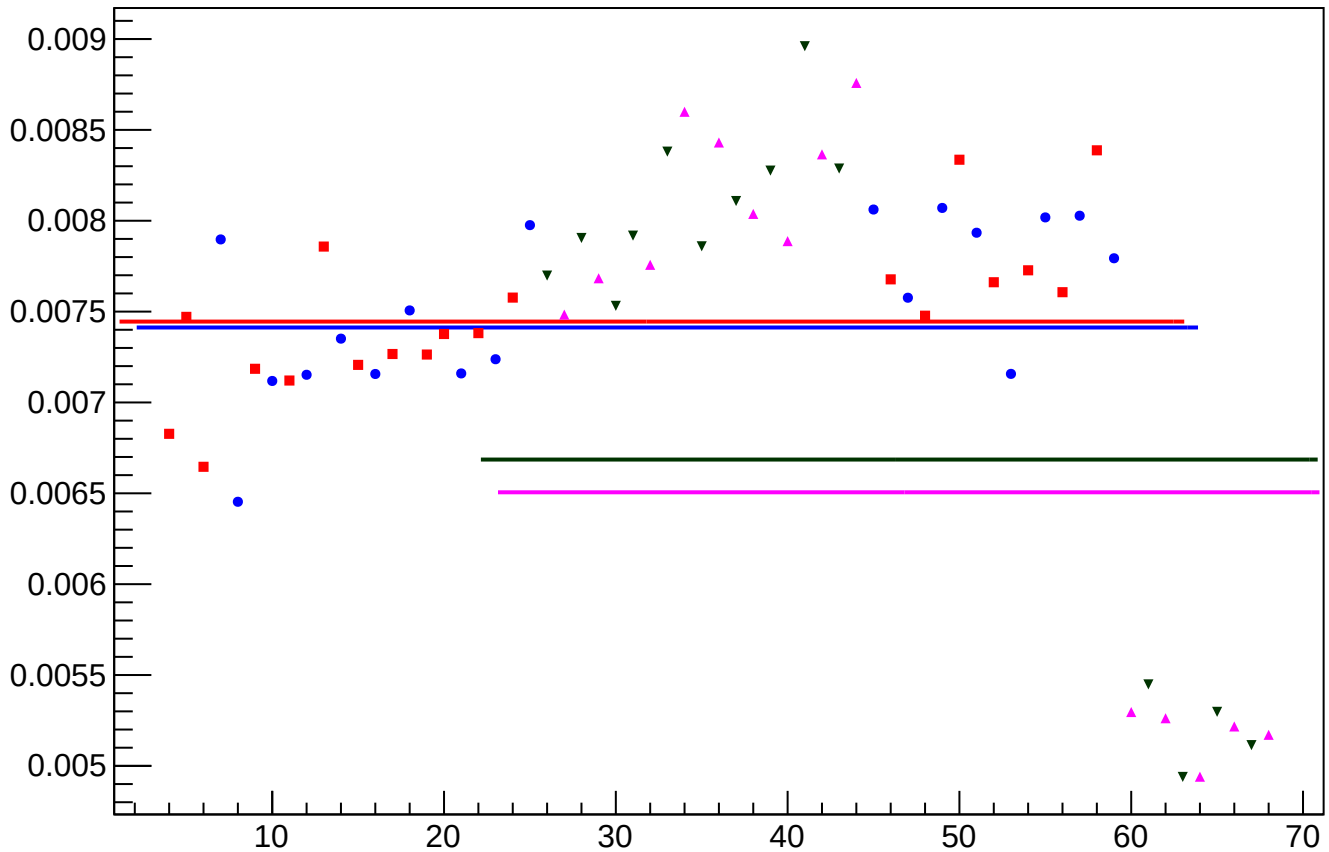
Right Out: 0.080+/-0.000 χ^2/NDF : 4561023053.2/18

Left In: -0.995+/-0.000 χ^2/NDF : 45794316416.1/13

-0.409+/-0.000 χ^2/NDF : 141707243132.0/31

-0.471+/-0.000 χ^2/NDF : 152655741335.0/32

yield_bpm0l04Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 91120.7/17

Left Out: 0.007+/-0.000 χ^2/NDF : 659238.4/13

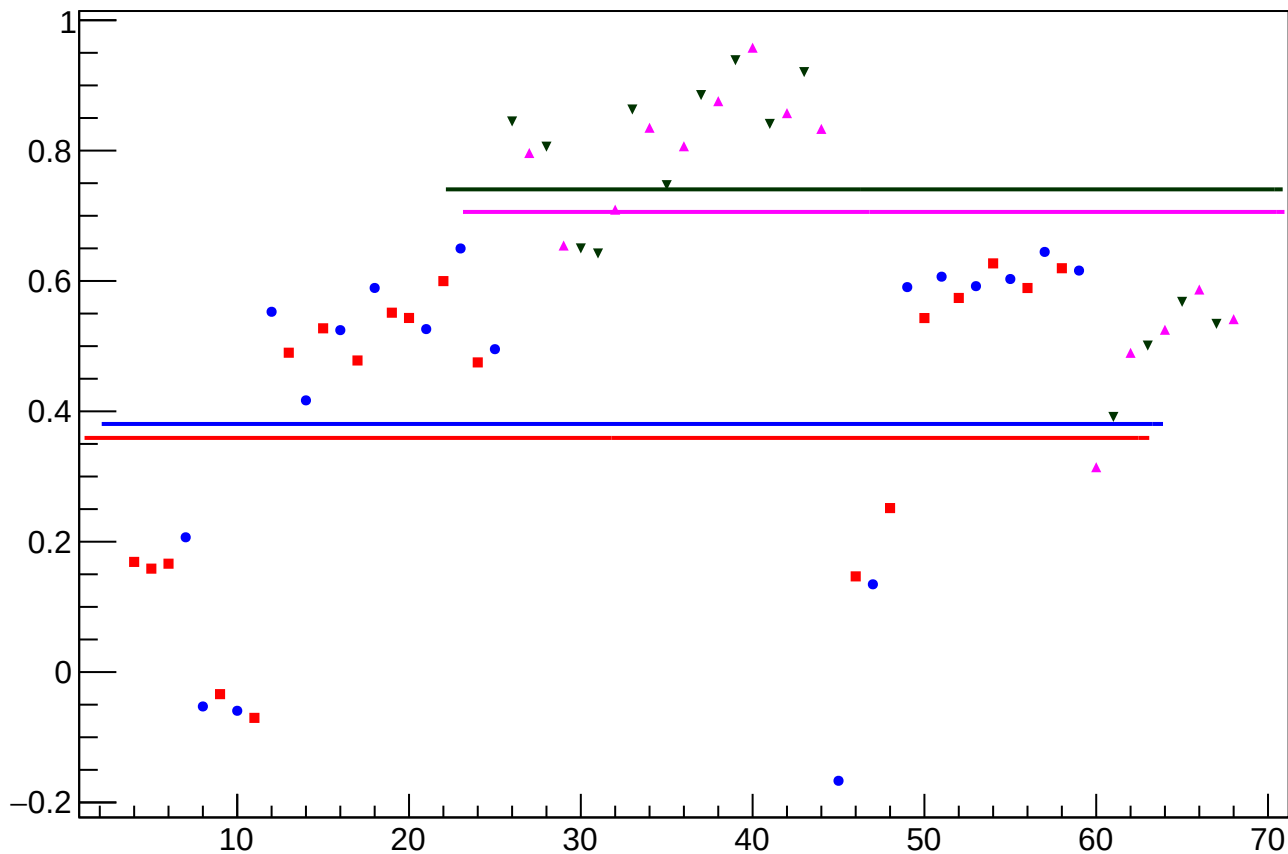
Right Out: 0.007+/-0.000 χ^2/NDF : 61122.7/18

Left In: 0.007+/-0.000 χ^2/NDF : 749330.8/13

0.007+/-0.000 χ^2/NDF : 840816.0/31

0.007+/-0.000 χ^2/NDF : 966659.5/32

yield_bpm0l05X_mean vs slug



Right In: 0.381 $\pm$ 0.000 χ^2/NDF : 17766233664.3/17

Left Out: 0.741 $\pm$ 0.000 χ^2/NDF : 3547478585.1/13

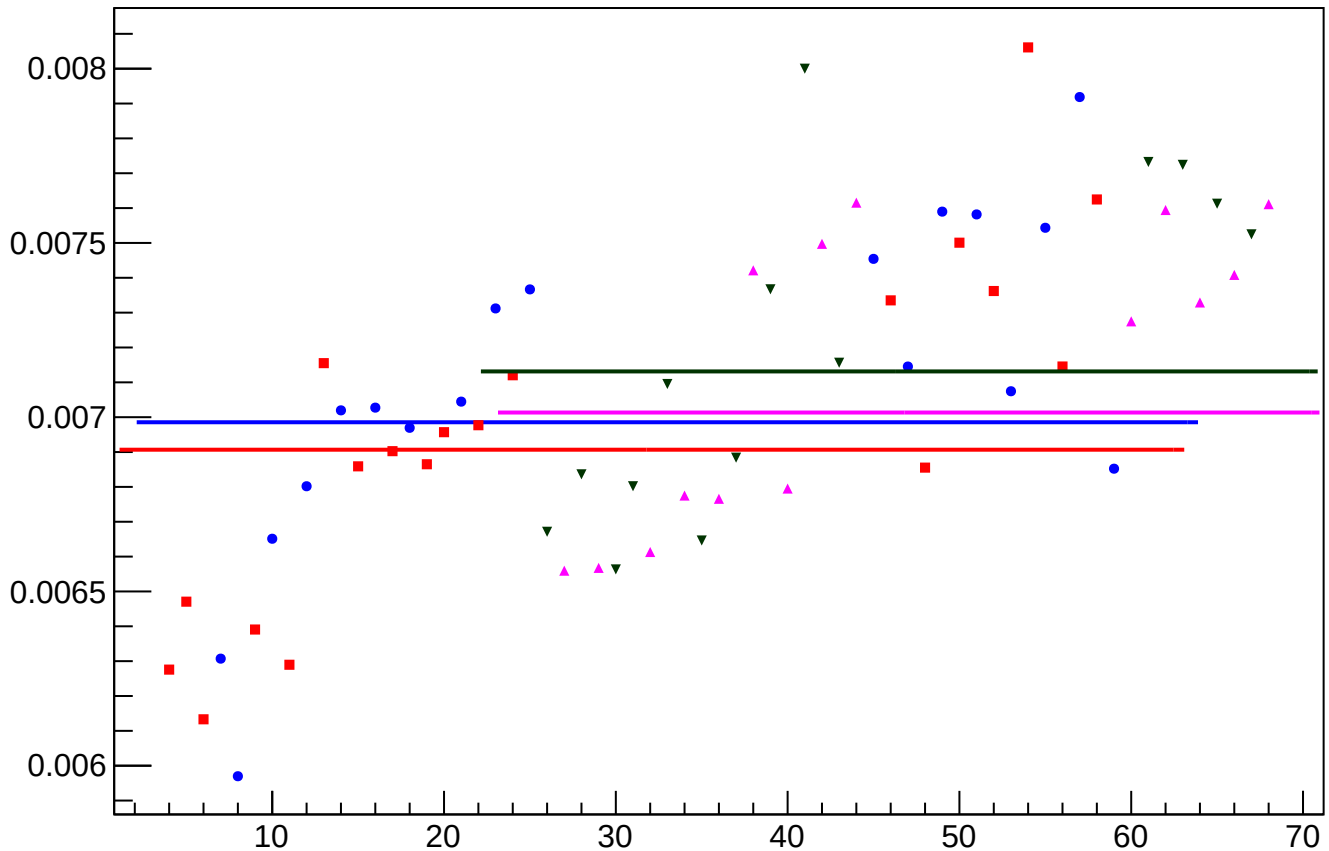
Right Out: 0.359 $\pm$ 0.000 χ^2/NDF : 11904326957.3/18

Left In: 0.706 $\pm$ 0.000 χ^2/NDF : 4382741548.6/13

0.519 $\pm$ 0.000 χ^2/NDF : 32509938162.3/31

0.514 $\pm$ 0.000 χ^2/NDF : 27191498931.2/32

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 : 56069.8/13

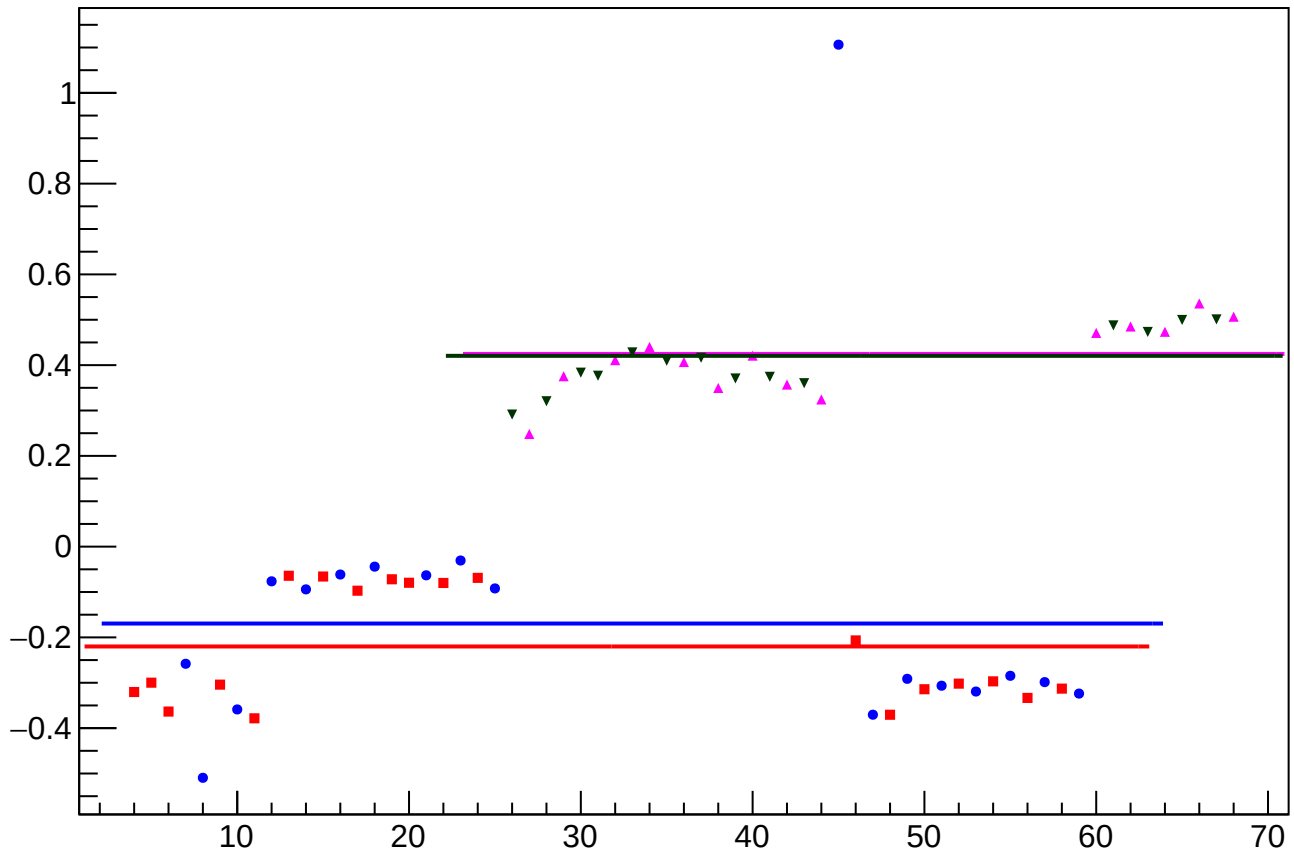
Right Out: 0.007+/-0.000 χ^2/NDF : 97555.6/18

Left In: 0.007+/-0.000 χ^2/NDF : 57414.6/13

0.007+/-0.000 χ^2/NDF : 166903.5/31

0.007+/-0.000 χ^2/NDF : 157034.9/32

yield_bpm0l05Y_mean vs slug



Right In: -0.169+/-0.000 χ^2/NDF : 37135565875.9/17

Left Out: 0.421+/-0.000 χ^2/NDF :1200372419.6/13

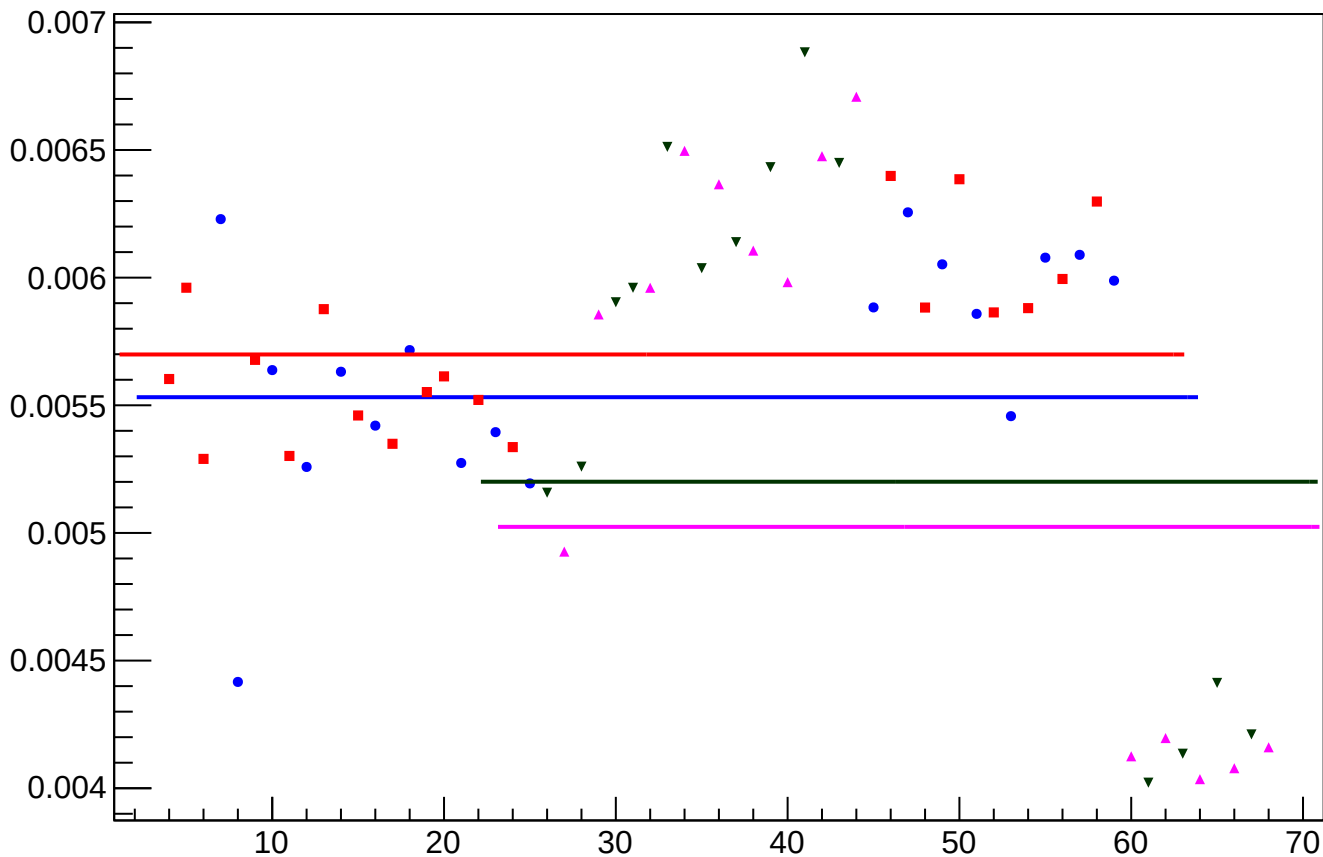
Right Out: -0.220+/-0.000 χ^2/NDF : 4721801975.9/18

Left In: 0.425+/-0.000 χ^2/NDF :2183111192.8/13

0.075+/-0.000 χ^2/NDF : 89240140567.0/31

0.109+/-0.000 χ^2/NDF : 69059096292.8/32

yield_bpm0l05Y_rms vs slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 186989.4/17

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 481257.1/13

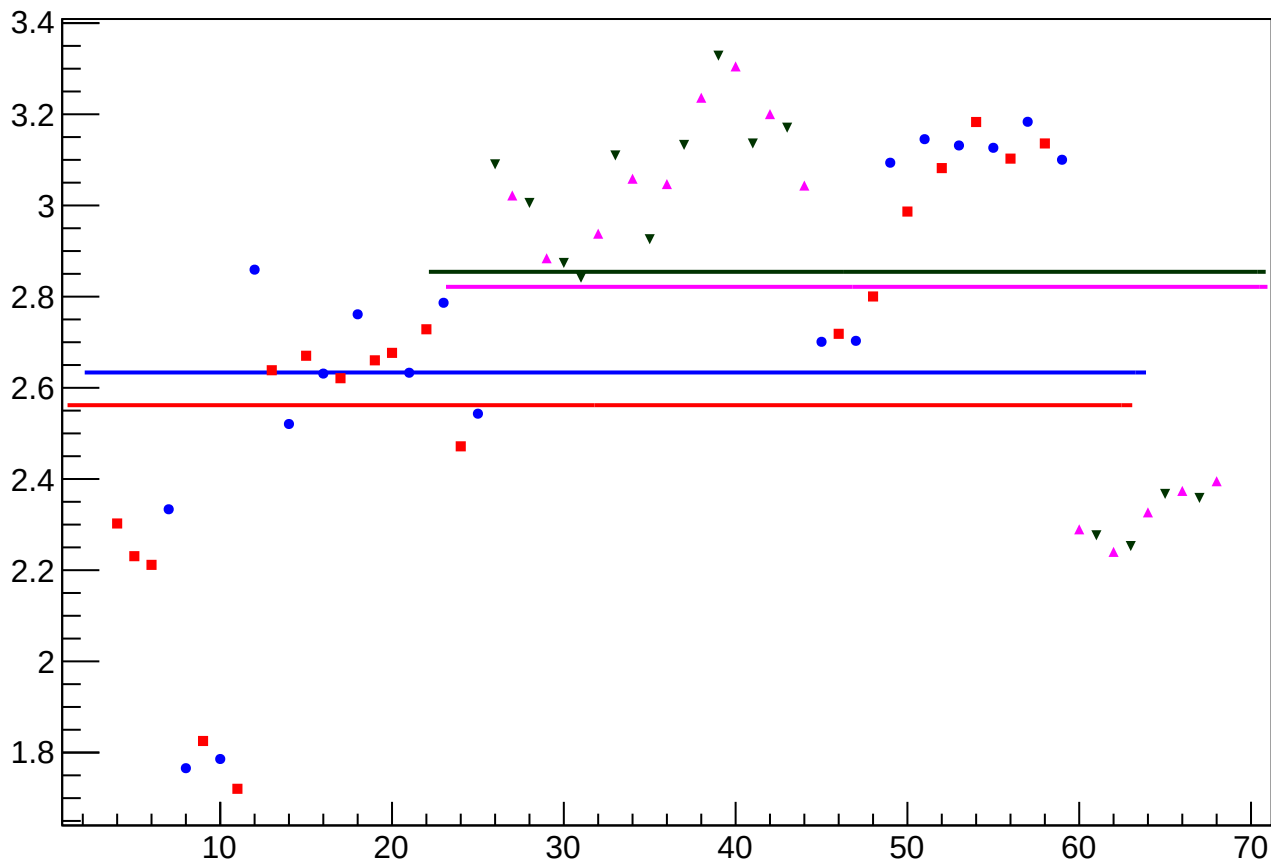
Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 66415.4/18

Left In: 0.005 $\pm$ 0.000 χ^2 /NDF: 588680.3/13

0.005 $\pm$ 0.000 χ^2 /NDF: 700311.7/31

0.005 $\pm$ 0.000 χ^2 /NDF: 791465.3/32

yield_bpm0l06X_mean vs slug



Right In: 2.634 $\pm$ 0.000 χ^2 /NDF: 15879791998.3/17

Left Out: 2.854 $\pm$ 0.000 χ^2 /NDF: 9489102254.3/13

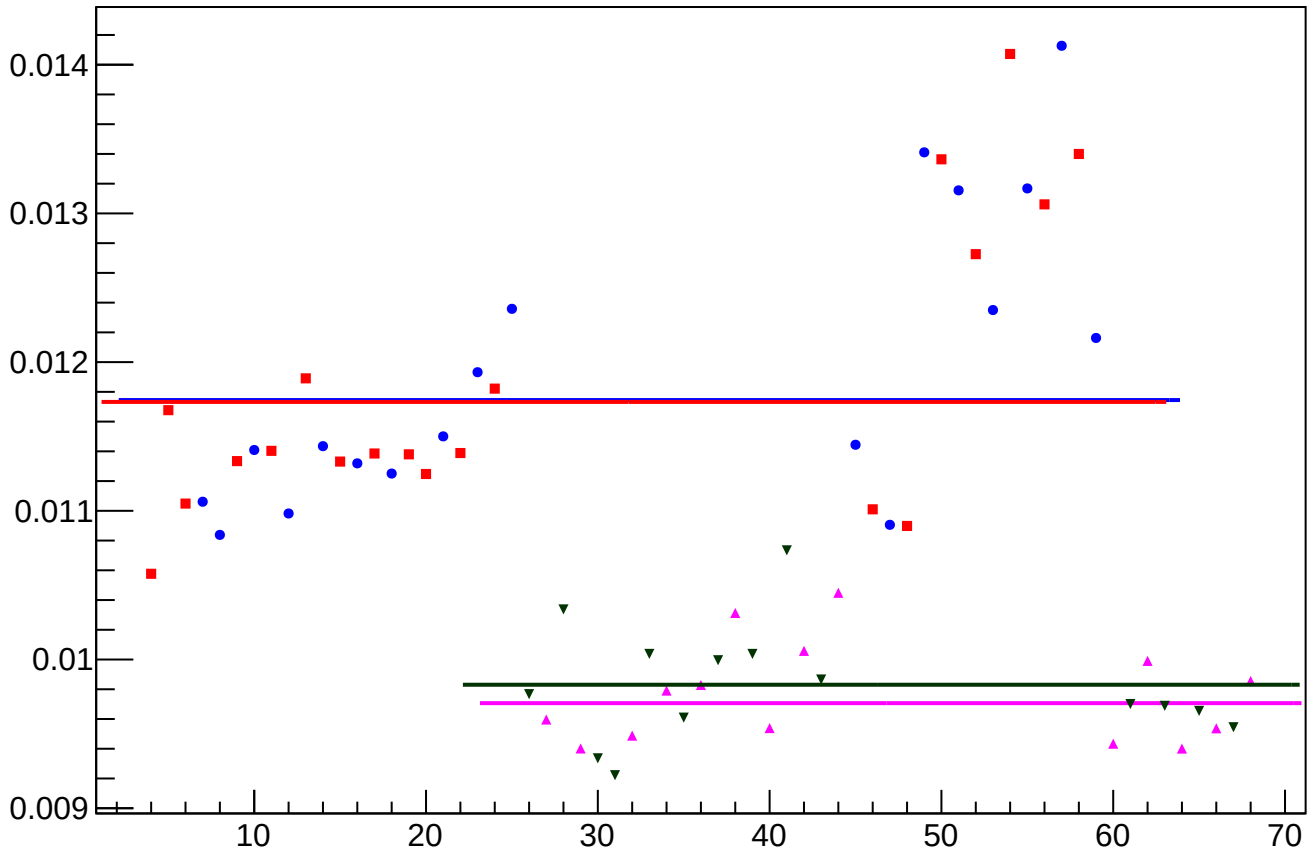
Right Out: 2.562 $\pm$ 0.000 χ^2 /NDF: 12349960173.0/18

Left In: 2.821 $\pm$ 0.000 χ^2 /NDF: 10834414973.0/13

2.740 $\pm$ 0.000 χ^2 /NDF: 27239368332.6/31

2.705 $\pm$ 0.000 χ^2 /NDF: 25776159214.2/32

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:21012.7/13

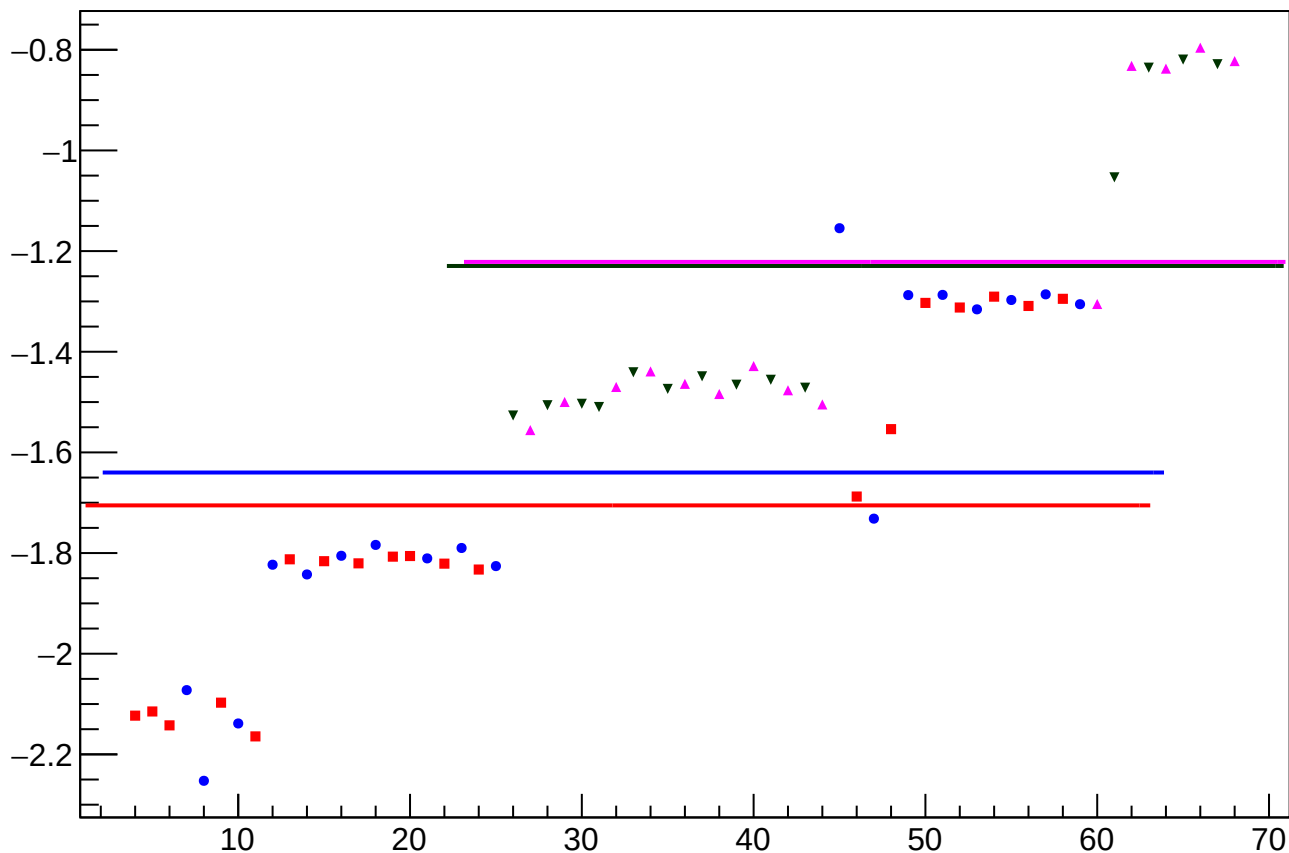
Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 107336.5/18

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:16652.6/13

0.011 $\pm$ 0.000 χ^2 /NDF: 419583.0/31

0.011 $\pm$ 0.000 χ^2 /NDF: 439626.8/32

yield_bpm0l06Y_mean vs slug



Right In: -1.640 ± 0.000 χ^2/NDF : 63862011114.5/17

Left Out: -1.230 ± 0.000 χ^2/NDF : 28050159174.9/13

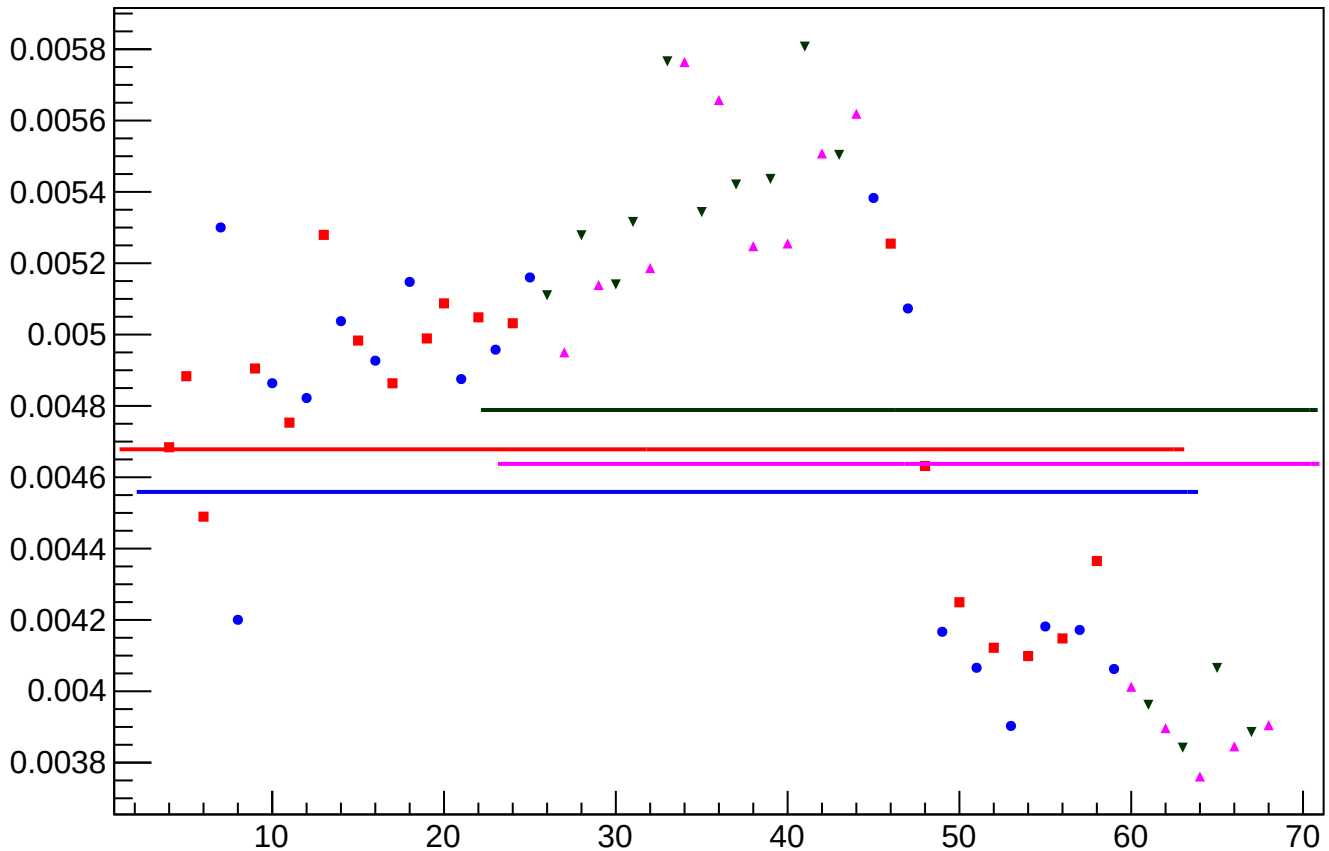
Right Out: -1.705 ± 0.000 χ^2/NDF : 45414052250.2/18

Left In: -1.221 ± 0.000 χ^2/NDF : 36416756995.7/13

-1.490 ± 0.000 χ^2/NDF : 124095978801.9/31

-1.485 ± 0.000 χ^2/NDF : 128475460003.3/32

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 :333135.1/13

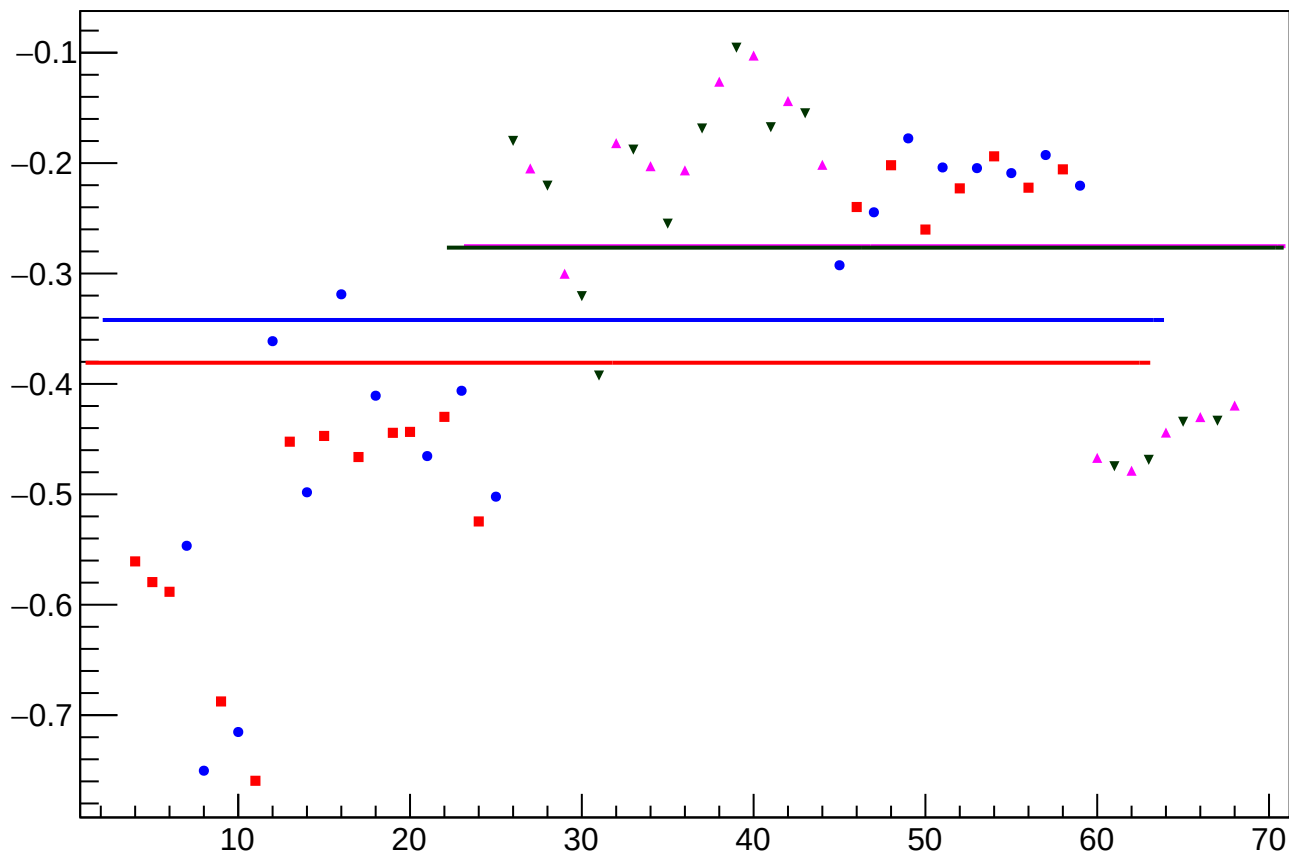
Right Out: 0.005+/-0.000 χ^2/NDF : 136426.0/18

Left In: 0.005+/-0.000 χ^2/NDF :391855.2/13

0.005+/-0.000 χ^2/NDF : 581892.7/31

0.005+/-0.000 χ^2/NDF : 528945.0/32

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: 538108288.0/13

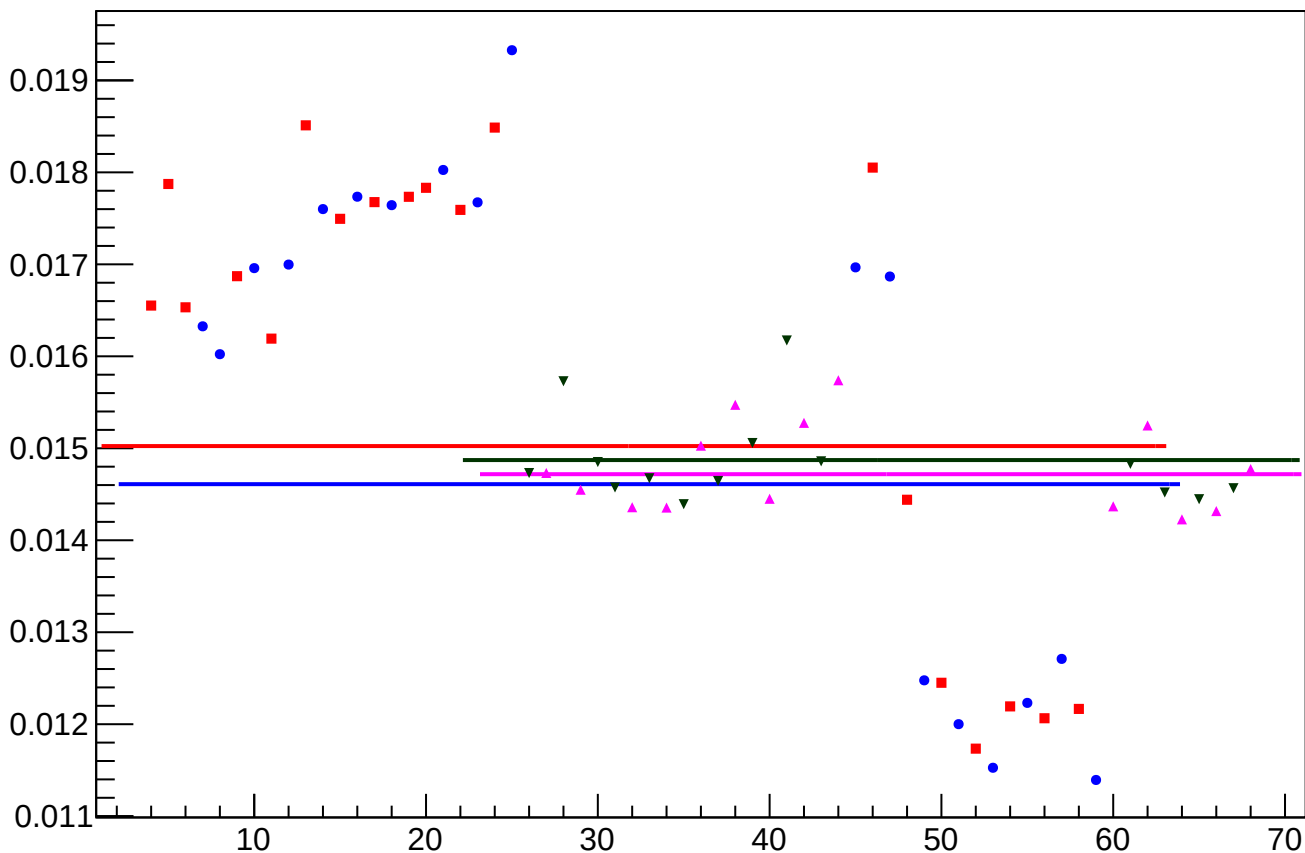
Right Out: -0.381+/-0.000 χ^2 /NDF: 1387002500.9/18

Left In: -0.275+/-0.000 χ^2 /NDF: 609946125.1/13

-0.316+/-0.000 χ^2 /NDF: 2293060974.2/31

-0.331+/-0.000 χ^2 /NDF: 2216647875.9/32

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 :15754.3/13

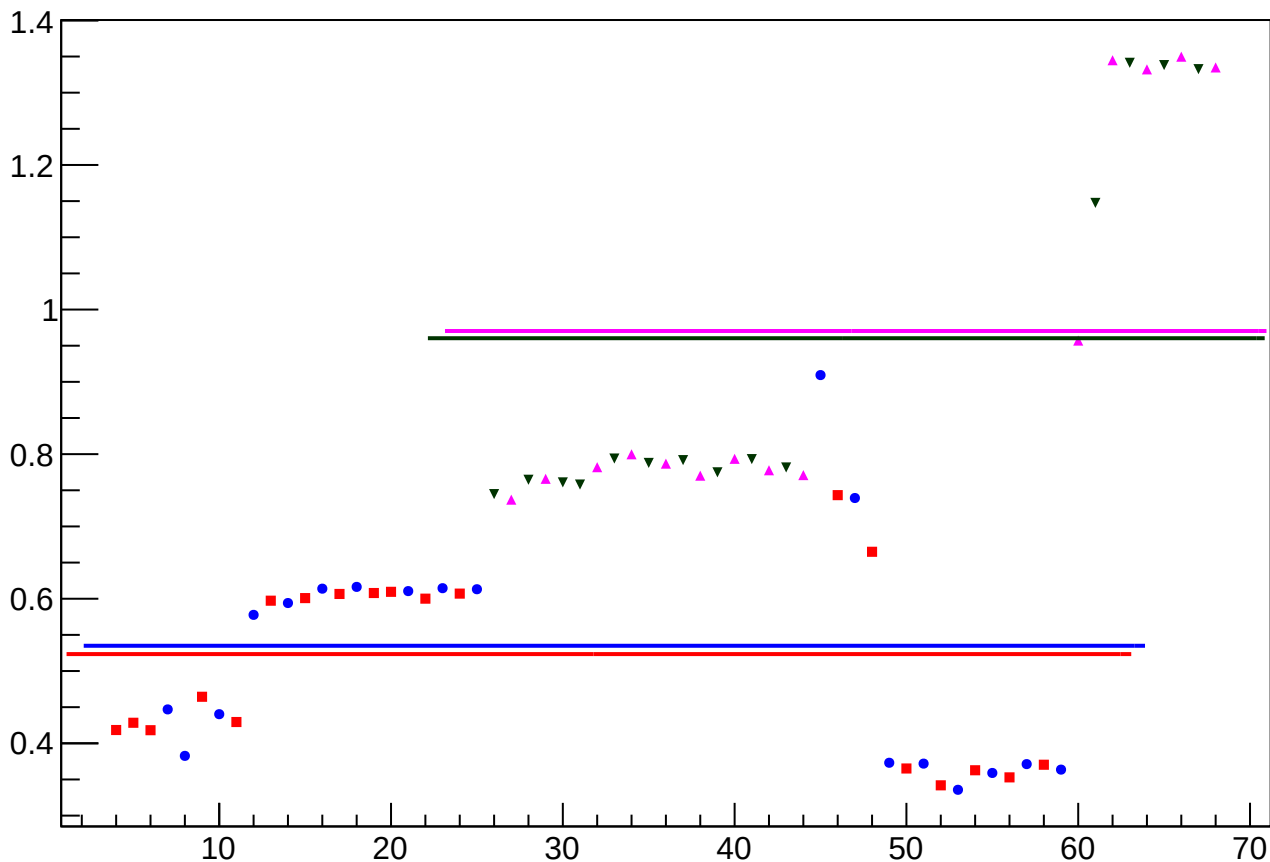
Right Out: 0.015+/-0.000 χ^2/NDF : 573783.3/18

Left In: 0.015+/-0.000 χ^2/NDF :14752.0/13

0.015+/-0.000 χ^2/NDF : 730403.4/31

0.015+/-0.000 χ^2/NDF : 592217.8/32

yield_bpm0l07Y_mean vs slug



Right In: 0.535+/-0.000 χ^2/NDF : 21231144094.8/17

Left Out: 0.960+/-0.000 χ^2/NDF : 48841128240.5/13

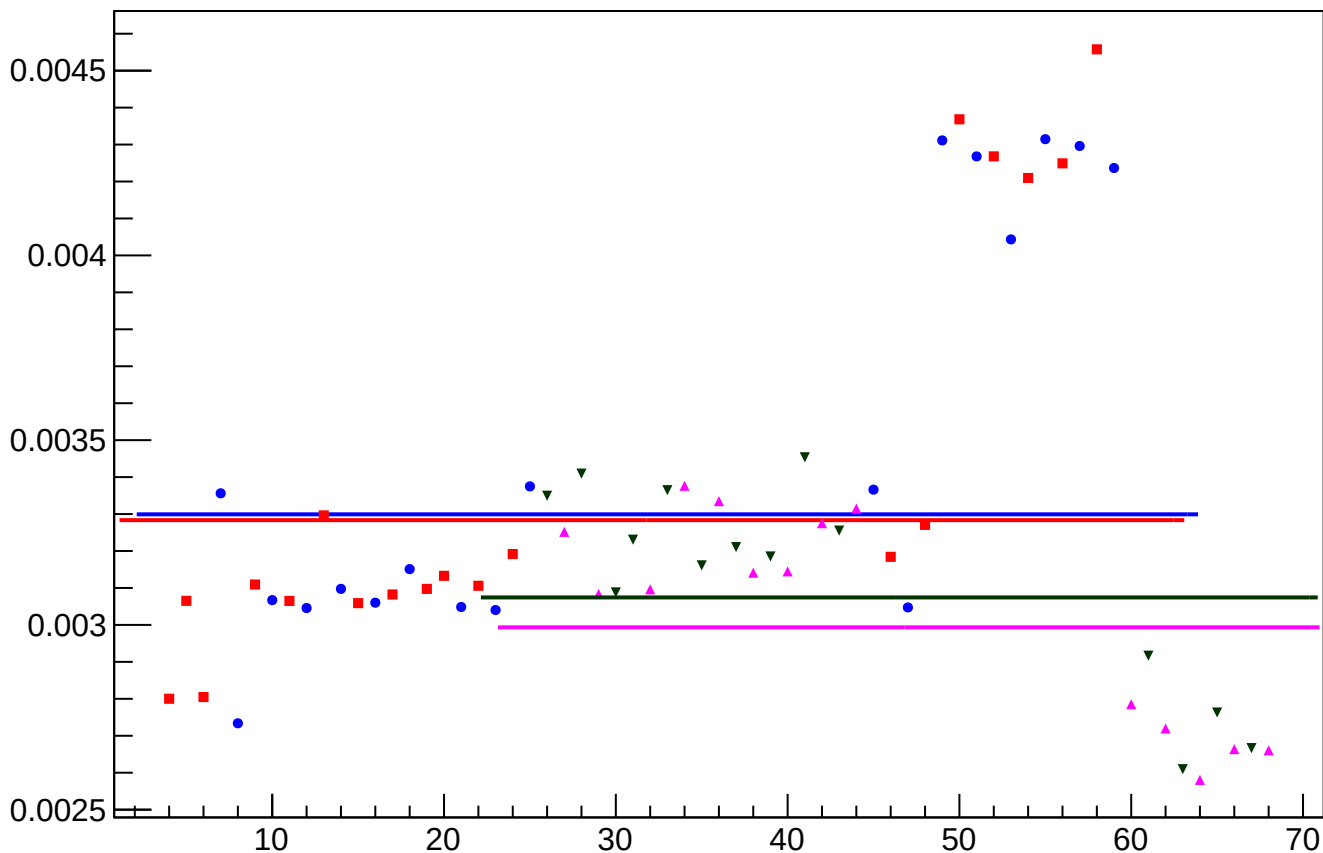
Right Out: 0.523+/-0.000 χ^2/NDF : 11523934099.1/18

Left In: 0.970+/-0.000 χ^2/NDF : 60760019088.9/13

0.718+/-0.000 χ^2/NDF : 146963747810.1/31

0.749+/-0.000 χ^2/NDF : 160722177956.4/32

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 :121037.1/13

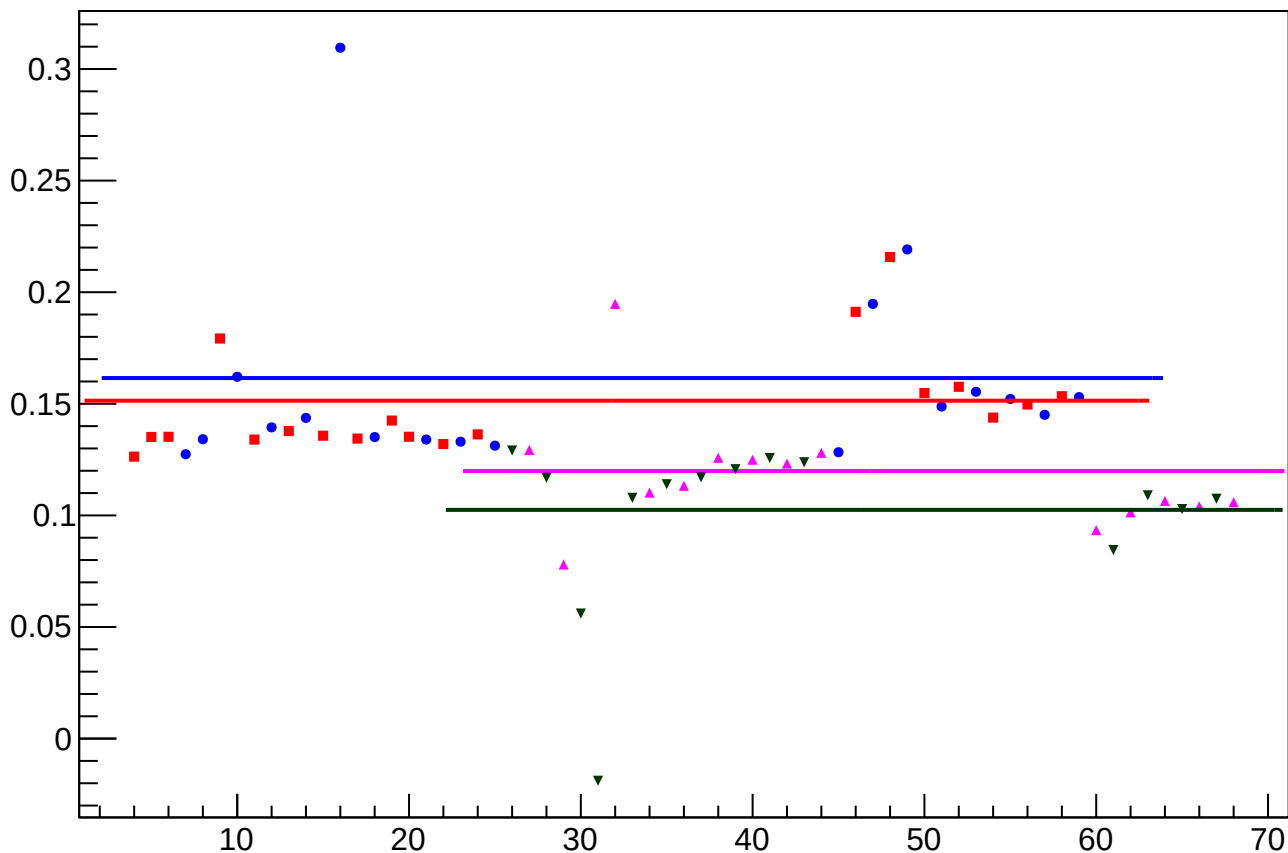
Right Out: 0.003+/-0.000 χ^2/NDF : 382277.8/18

Left In: 0.003+/-0.000 χ^2/NDF :132921.5/13

0.003+/-0.000 χ^2/NDF : 661586.6/31

0.003+/-0.000 χ^2/NDF : 589731.8/32

yield_bpm0l08X_mean vs slug



Right In: 0.162 ± 0.000 χ^2/NDF : 94764439.1/17

Left Out: 0.102 ± 0.000 χ^2/NDF : 43452337.4/13

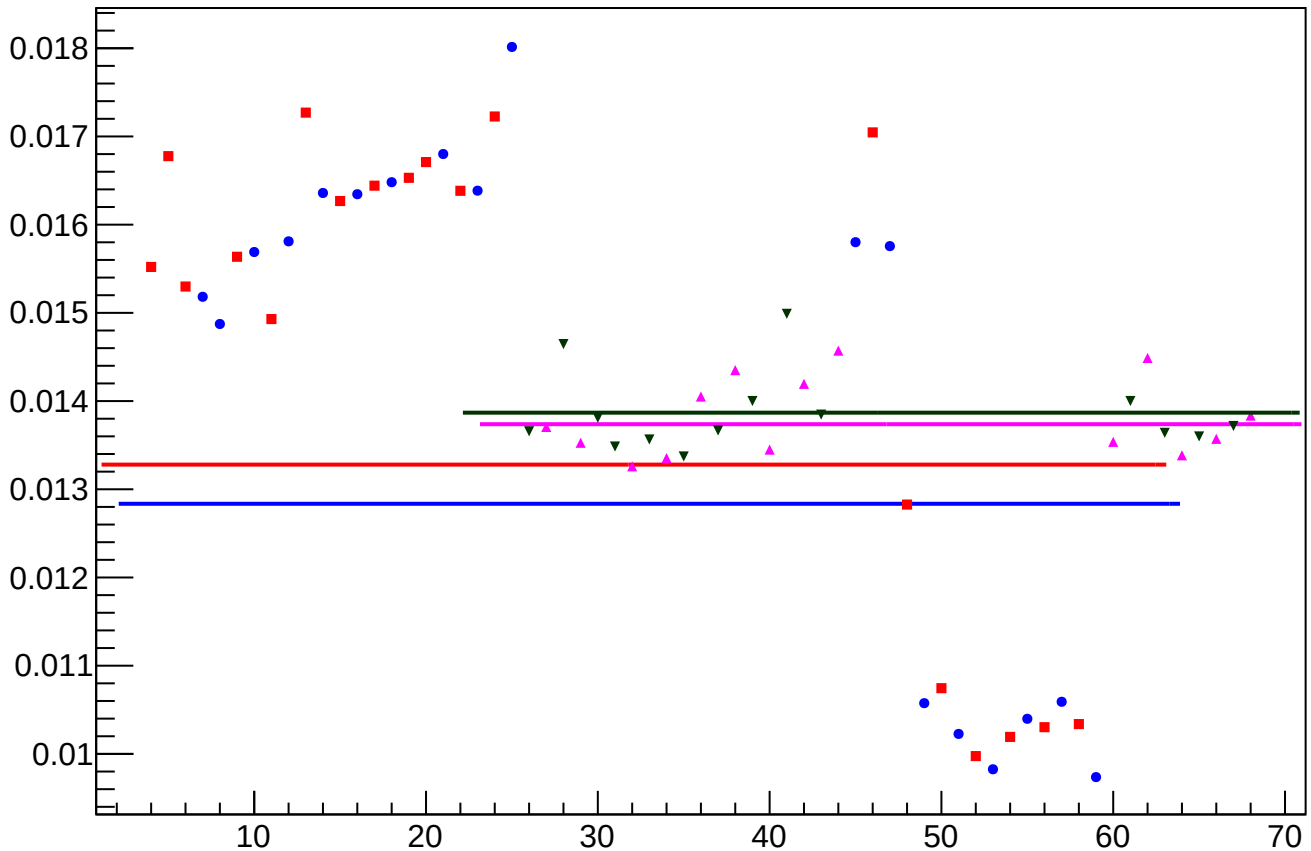
Right Out: 0.151 ± 0.000 χ^2/NDF : 22463584.0/18

Left In: 0.120 ± 0.000 χ^2/NDF : 41724148.5/13

0.139 ± 0.000 χ^2/NDF : 220850047.7/31

0.137 ± 0.000 χ^2/NDF : 87621710.9/32

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 :14445.5/13

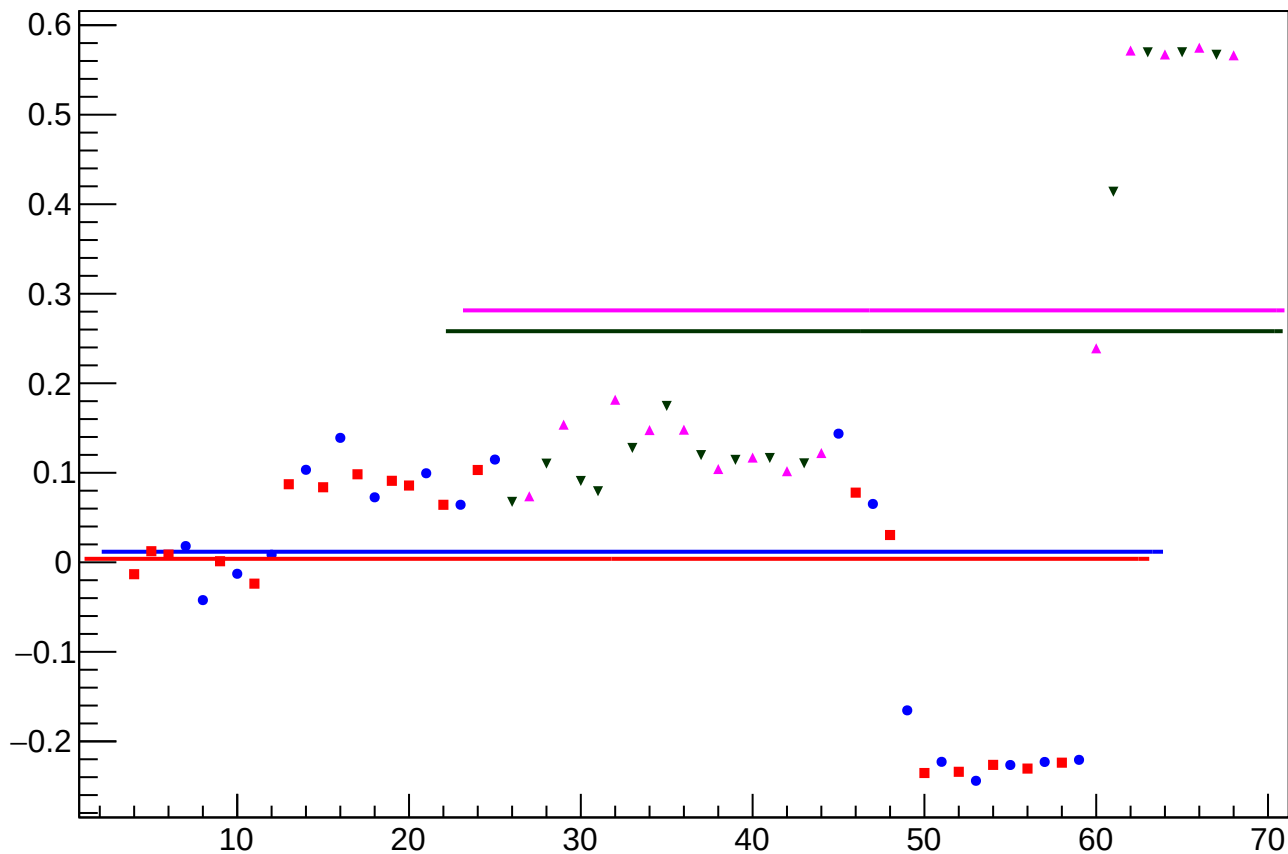
Right Out: 0.013+/-0.000 χ^2/NDF : 890007.3/18

Left In: 0.014+/-0.000 χ^2/NDF :14482.0/13

0.013+/-0.000 χ^2/NDF : 1153236.3/31

0.013+/-0.000 χ^2/NDF : 914374.1/32

yield_bpm0l08Y_mean vs slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 12179192870.2/17

Left Out: 0.258 $\pm$ 0.000 χ^2 /NDF:31140572512.1/13

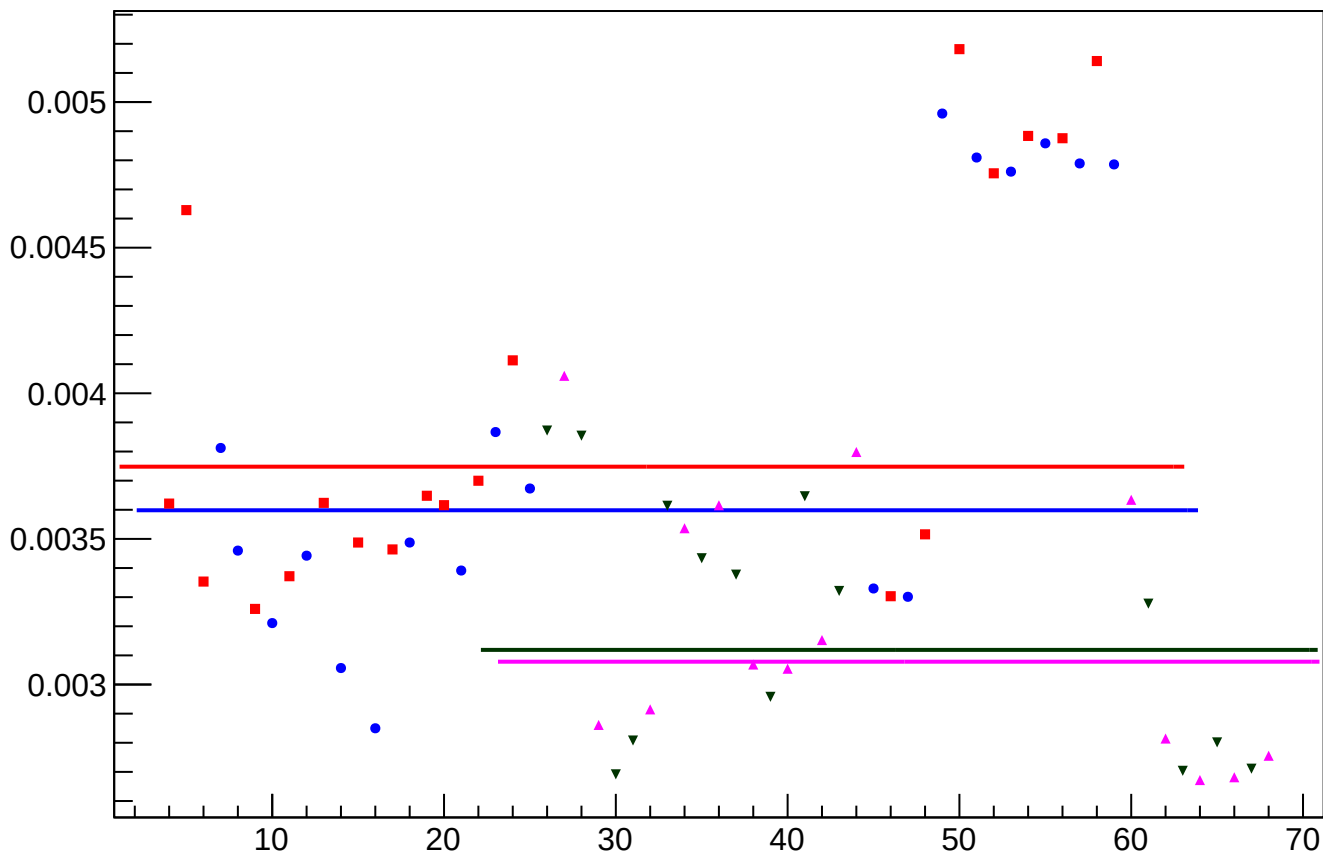
Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 7924148421.7/18

Left In: 0.281 $\pm$ 0.000 χ^2 /NDF:34267886821.6/13

0.127 $\pm$ 0.000 χ^2 /NDF: 66238754488.4/31

0.159 $\pm$ 0.000 χ^2 /NDF: 70260541547.4/32

yield_bpm0l08Y_rms vs slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 672957.8/17

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:242107.7/13

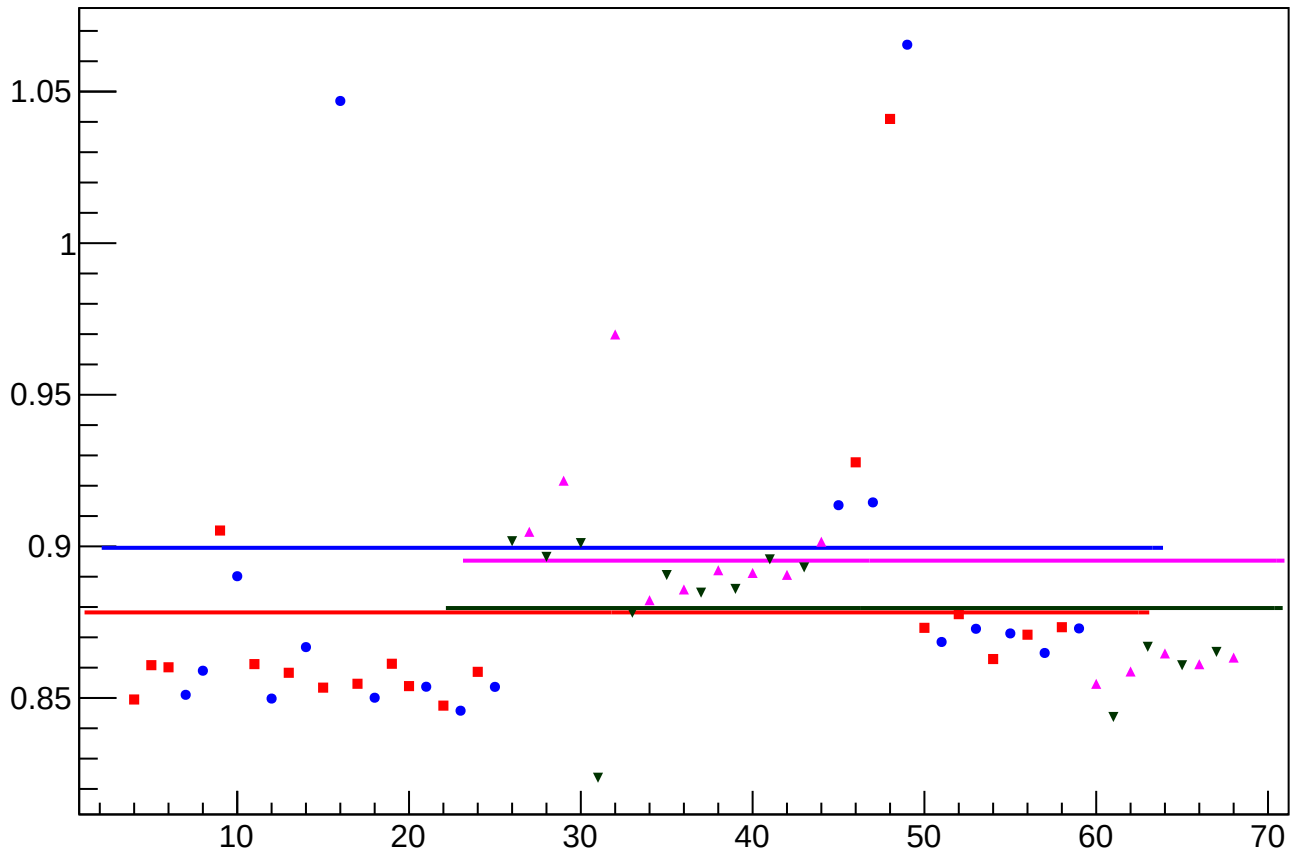
Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 427283.7/18

Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:276524.6/13

0.003 $\pm$ 0.000 χ^2 /NDF: 1088663.9/31

0.003 $\pm$ 0.000 χ^2 /NDF: 1030700.6/32

yield_bpm0l09X_mean vs slug



Right In: 0.900 $\pm$ 0.000 χ^2 /NDF: 324904340.4/17

Left Out: 0.880 $\pm$ 0.000 χ^2 /NDF:16668402.2/13

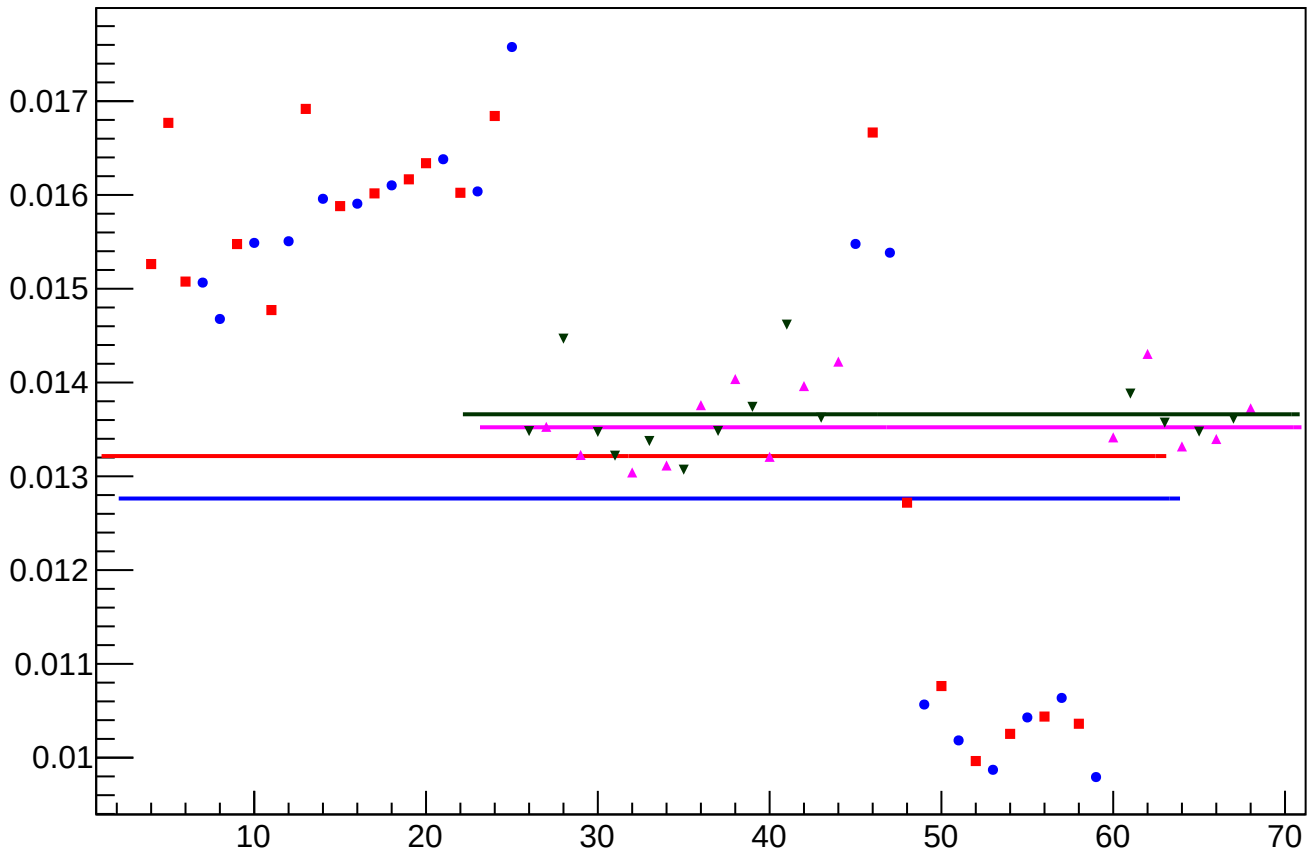
Right Out: 0.878 $\pm$ 0.000 χ^2 /NDF: 92356263.0/18

Left In: 0.895 $\pm$ 0.000 χ^2 /NDF:50218051.5/13

0.892 $\pm$ 0.000 χ^2 /NDF: 351142691.9/31

0.886 $\pm$ 0.000 χ^2 /NDF: 149593493.0/32

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 :13779.0/13

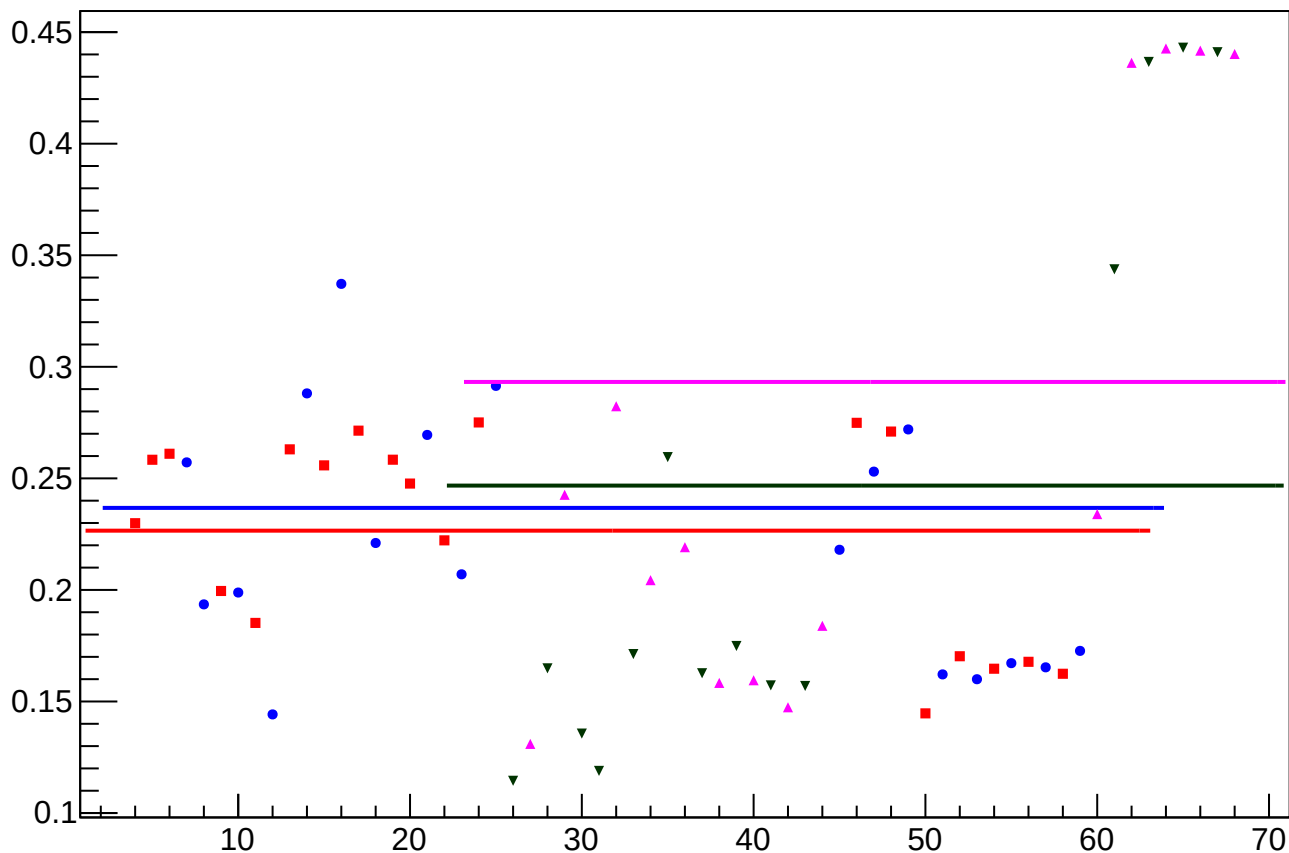
Right Out: 0.013+/-0.000 χ^2/NDF : 798846.8/18

Left In: 0.014+/-0.000 χ^2/NDF :13373.7/13

0.013+/-0.000 χ^2/NDF : 1033062.8/31

0.013+/-0.000 χ^2/NDF : 816758.1/32

yield_bpm0l09Y_mean vs slug



Right In: 0.237 $\pm$ 0.000 χ^2/NDF : 2411617824.9/17

Left Out: 0.247 $\pm$ 0.000 χ^2/NDF : 11205821923.1/13

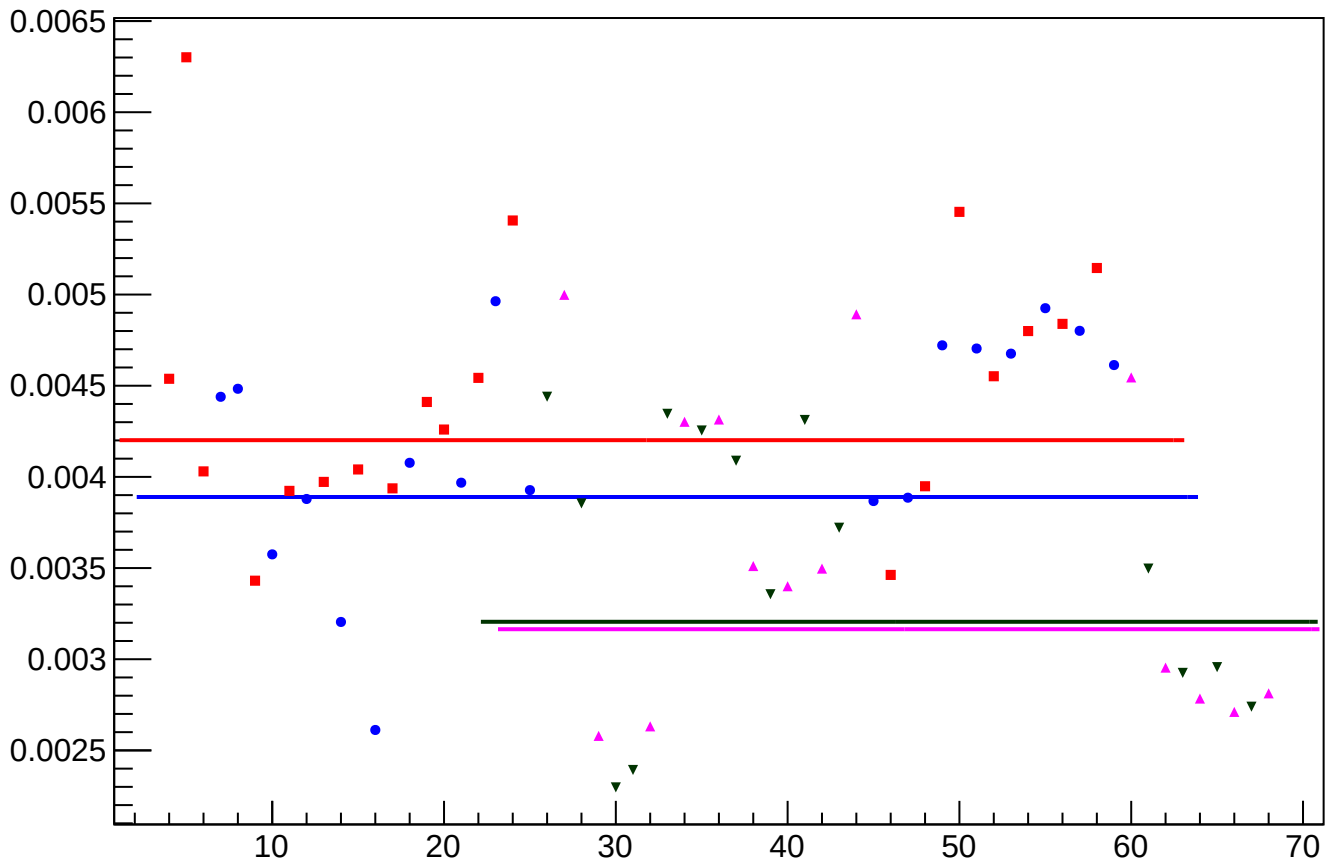
Right Out: 0.227 $\pm$ 0.000 χ^2/NDF : 943883207.4/18

Left In: 0.293 $\pm$ 0.000 χ^2/NDF : 9574982134.8/13

0.242 $\pm$ 0.000 χ^2/NDF : 13650182324.1/31

0.266 $\pm$ 0.000 χ^2/NDF : 11851043236.0/32

yield_bpm0l09Y_rms vs slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 695729.3/17

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:661913.3/13

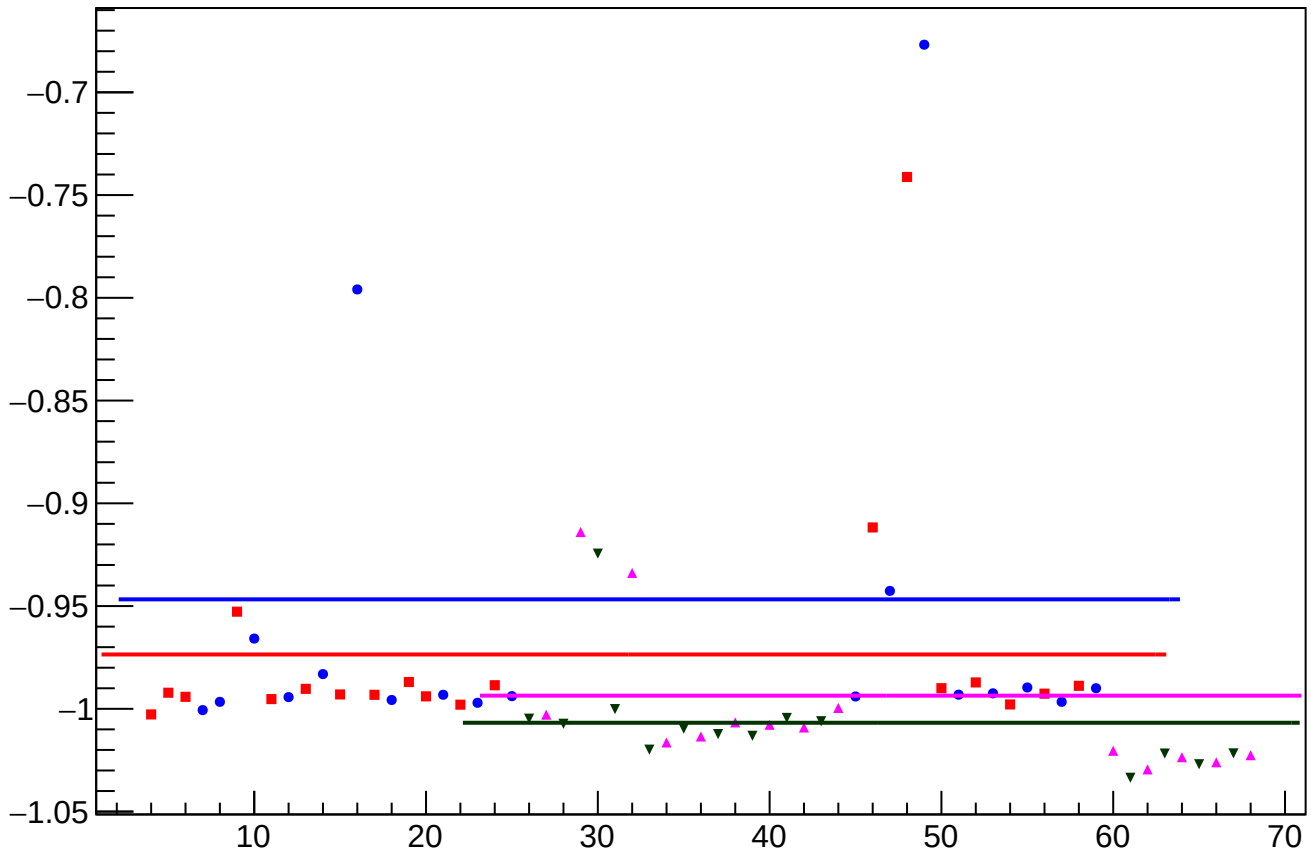
Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 341340.8/18

Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:793024.0/13

0.004 $\pm$ 0.000 χ^2 /NDF: 1664579.3/31

0.004 $\pm$ 0.000 χ^2 /NDF: 1779018.1/32

yield_bpm0l10X_mean vs slug



Right In: -0.947+/-0.000 χ^2/NDF : 662253046.3/17

Left Out: -1.007+/-0.000 χ^2/NDF : 26244350.8/13

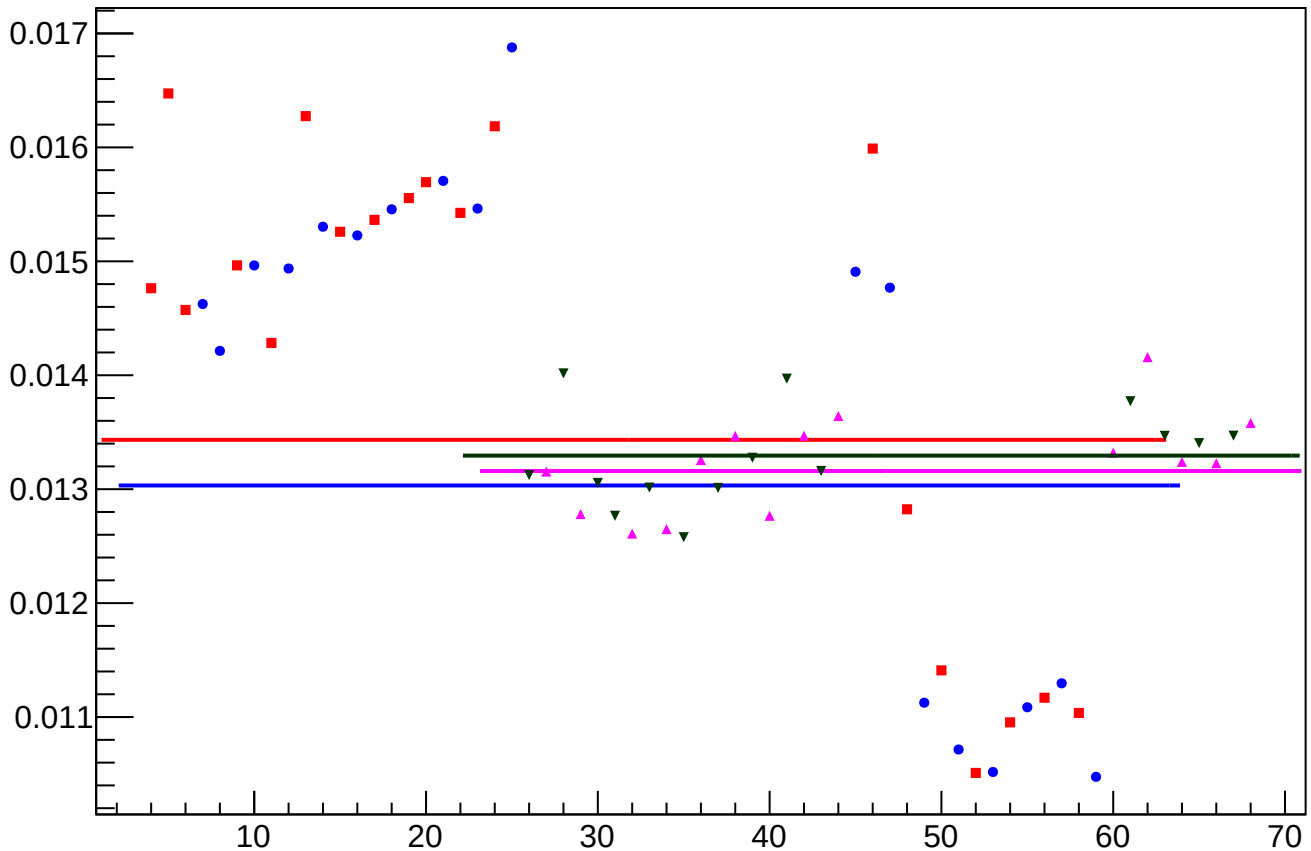
Right Out: -0.974+/-0.000 χ^2/NDF : 174691792.1/18

Left In: -0.994+/-0.000 χ^2/NDF : 70603729.9/13

-0.970+/-0.000 χ^2/NDF : 777984314.9/31

-0.983+/-0.000 χ^2/NDF : 255154235.8/32

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 :14042.5/13

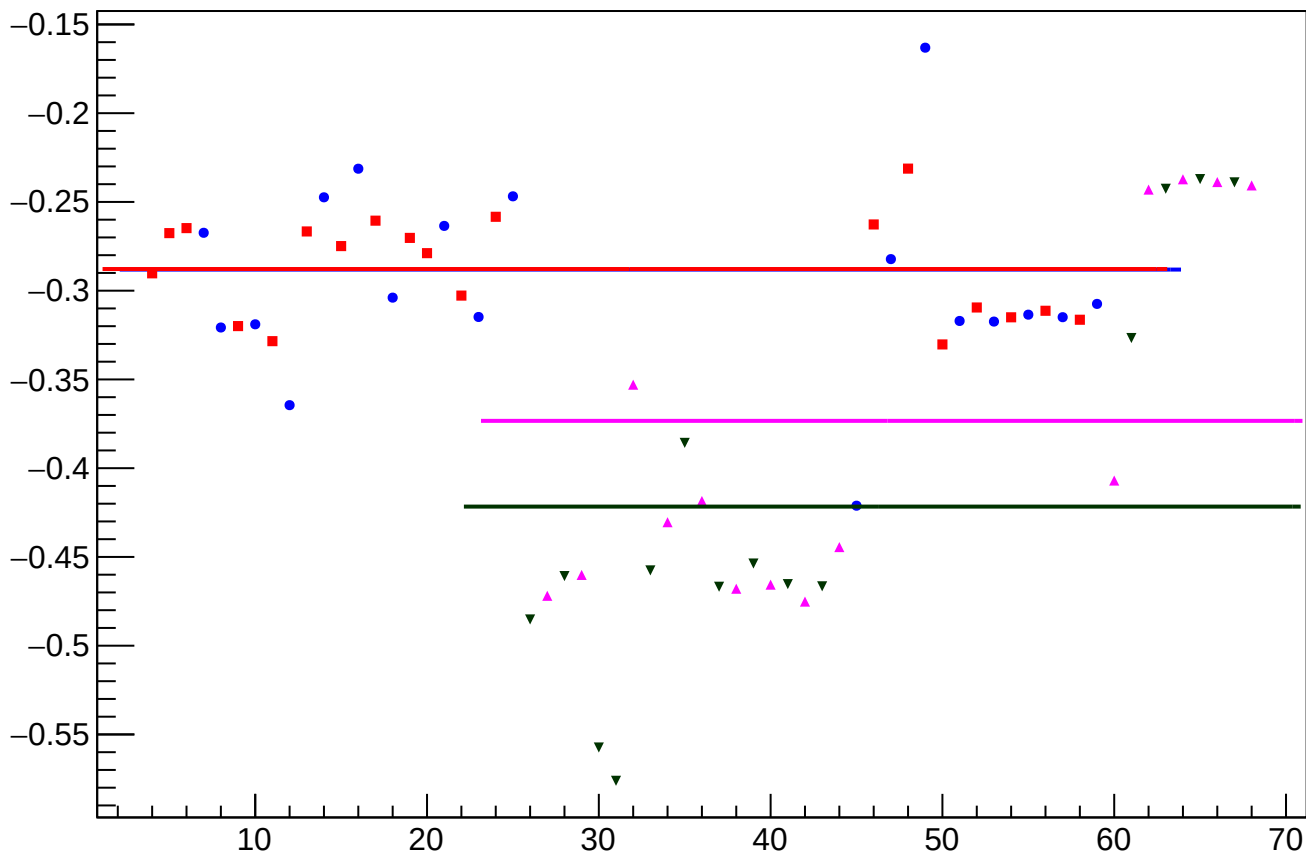
Right Out: 0.013+/-0.000 χ^2/NDF : 479245.1/18

Left In: 0.013+/-0.000 χ^2/NDF :15570.1/13

0.013+/-0.000 χ^2/NDF : 605284.9/31

0.013+/-0.000 χ^2/NDF : 498491.8/32

yield_bpm0l10Y_mean vs slug



Right In: -0.288+/-0.000 χ^2/NDF : 2601289511.6/17

Left Out: -0.422+/-0.000 χ^2/NDF : 10282128538.2/13

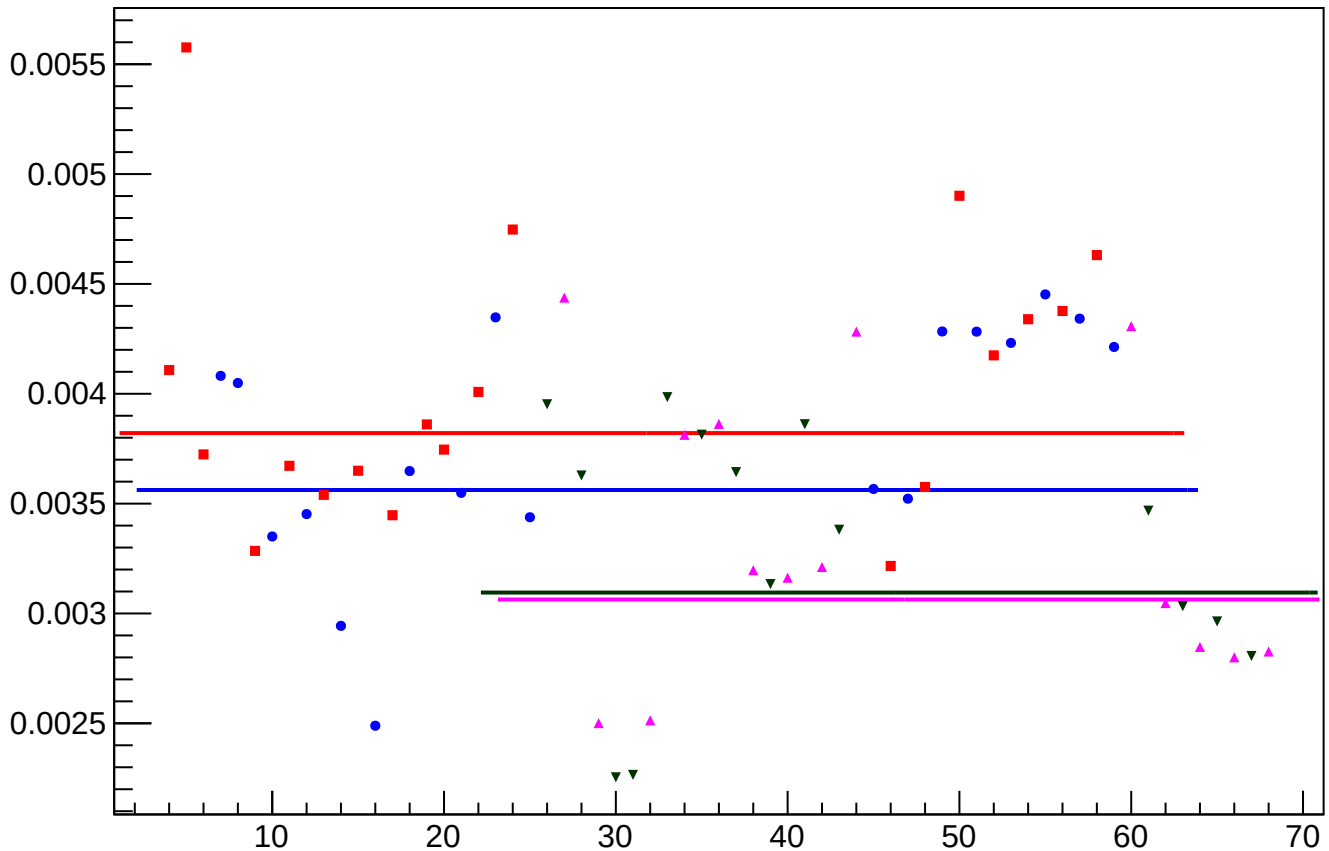
-0.349+/-0.000 χ^2/NDF : 19583793273.6/31

Right Out: -0.288+/-0.000 χ^2/NDF : 515794849.9/18

-0.336+/-0.000 χ^2/NDF : 10462006315.8/32

Left In: -0.373+/-0.000 χ^2/NDF : 7385583975.9/13

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: 487602.2/13

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 282191.6/18

Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 574529.7/13

0.003 $\pm$ 0.000 χ^2 /NDF: 1240110.3/31

0.003 $\pm$ 0.000 χ^2 /NDF: 1258373.4/32