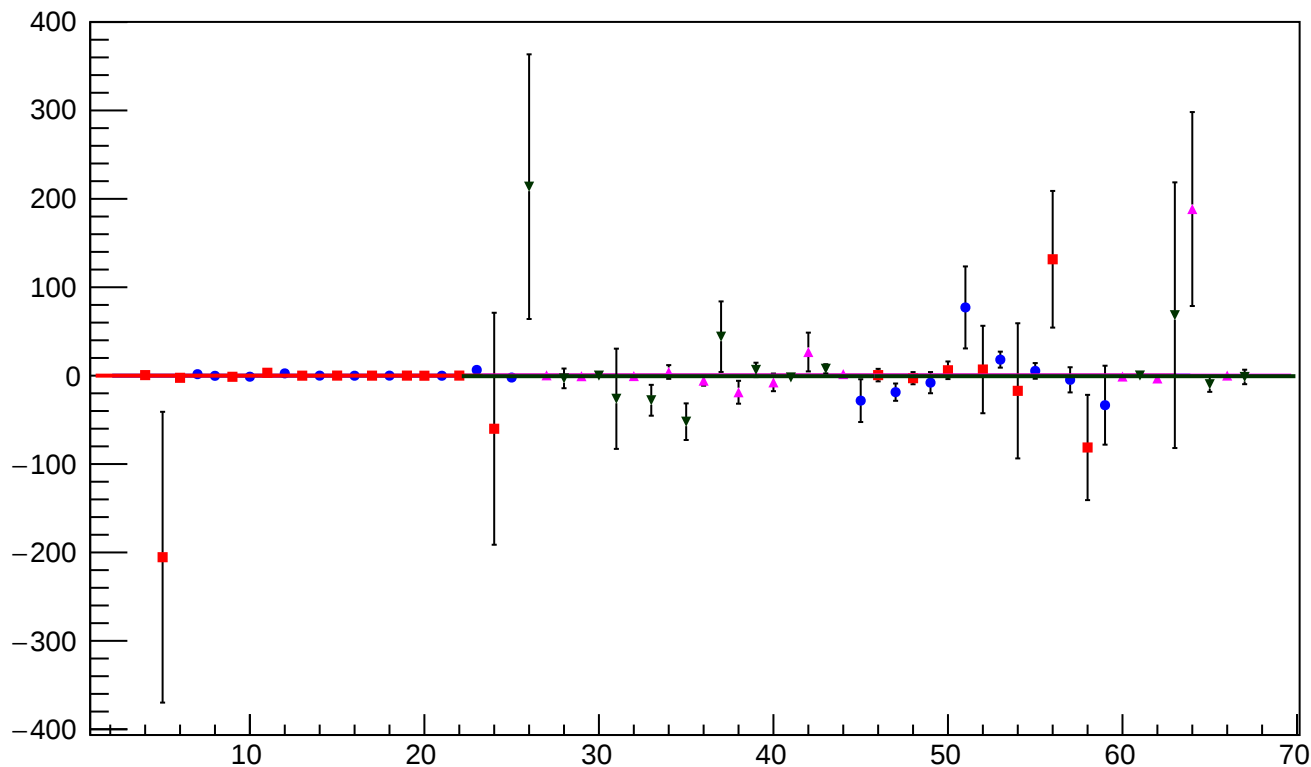


diff_cav4bX_mean vs slug



Right In: -0.014+/-0.014

χ^2/NDF : 31.2/17

Left Out: -0.617+/-1.227

χ^2/NDF : 17.5/13

Right Out: 0.017+/-0.016

χ^2/NDF : 24.7/18

Left In: 0.069+/-0.073

χ^2/NDF : 20.5/12

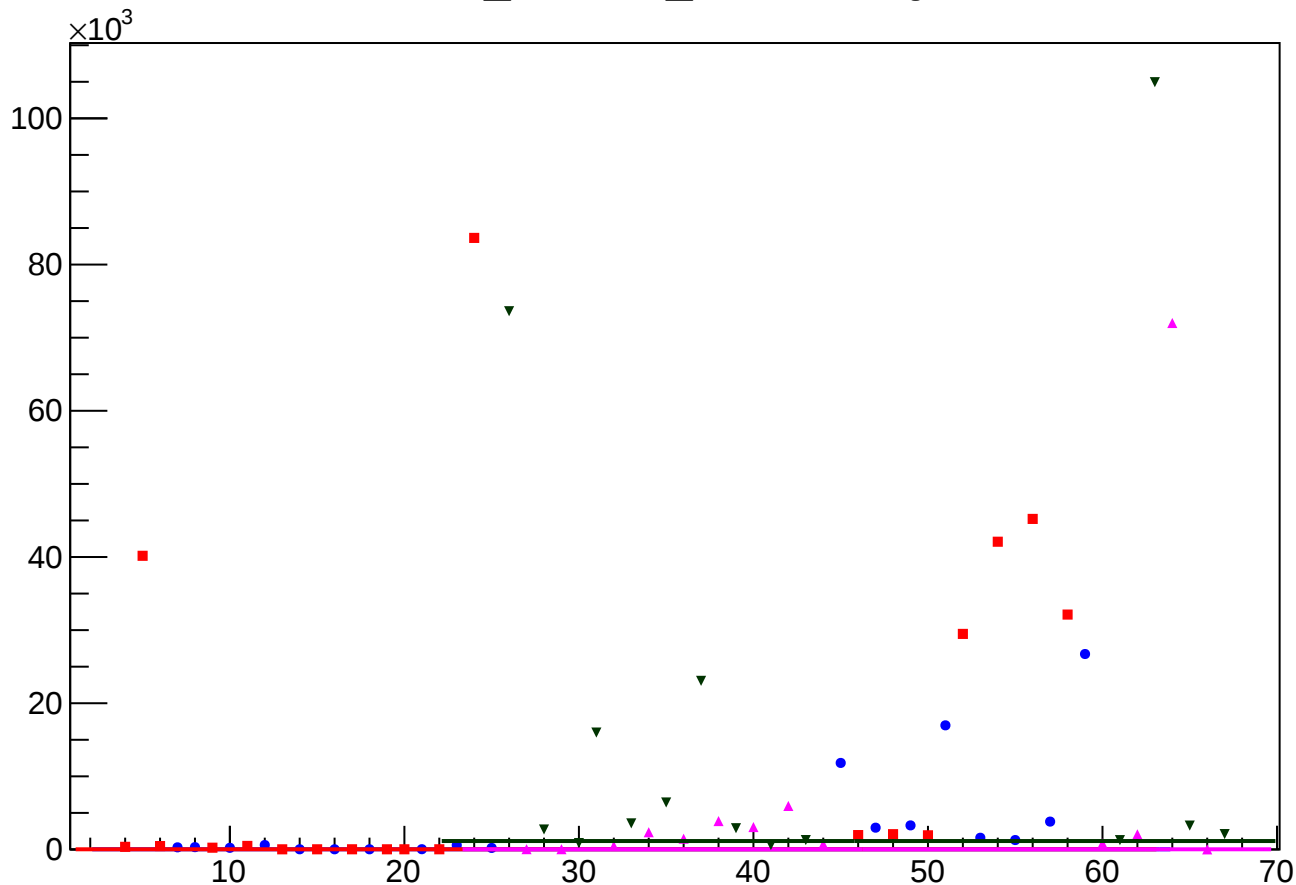
-0.014+/-0.014

χ^2/NDF : 49.0/31

0.019+/-0.016

χ^2/NDF : 45.7/31

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

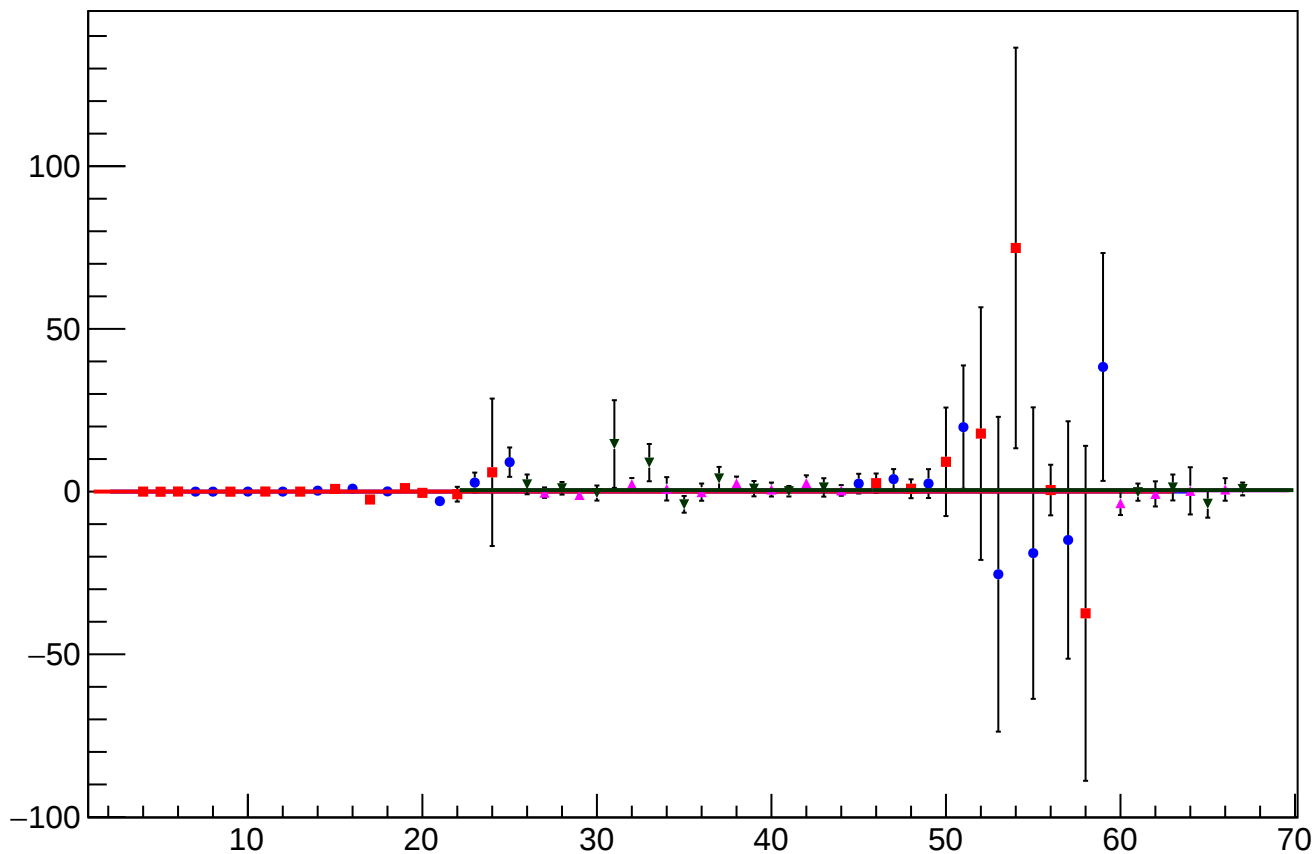
Right Out: 22.611+/-0.011 χ^2 /NDF: 4395534.2/18

Left In: 23.009+/-0.052 χ^2 /NDF: 3510910.6/12

22.583+/-0.010 χ^2 /NDF: 7279140.9/31

22.630+/-0.011 χ^2 /NDF: 7906501.4/31

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

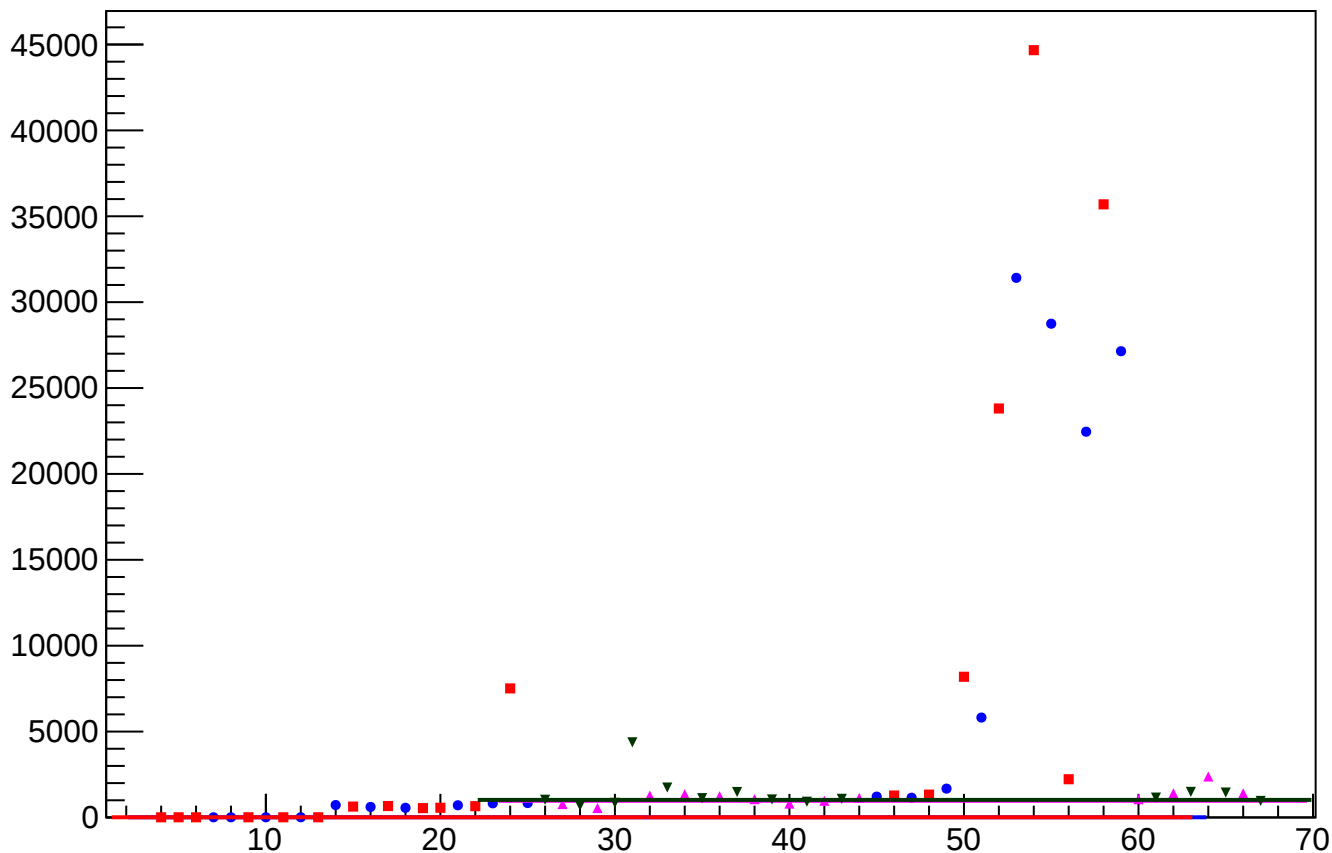
Right Out: 0.002 ± 0.005 χ^2/NDF : 20.3/18

Left In: 0.395 ± 0.610 χ^2/NDF : 5.6/12

-0.001 ± 0.006 χ^2/NDF : 33.0/31

0.002 ± 0.005 χ^2/NDF : 26.3/31

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

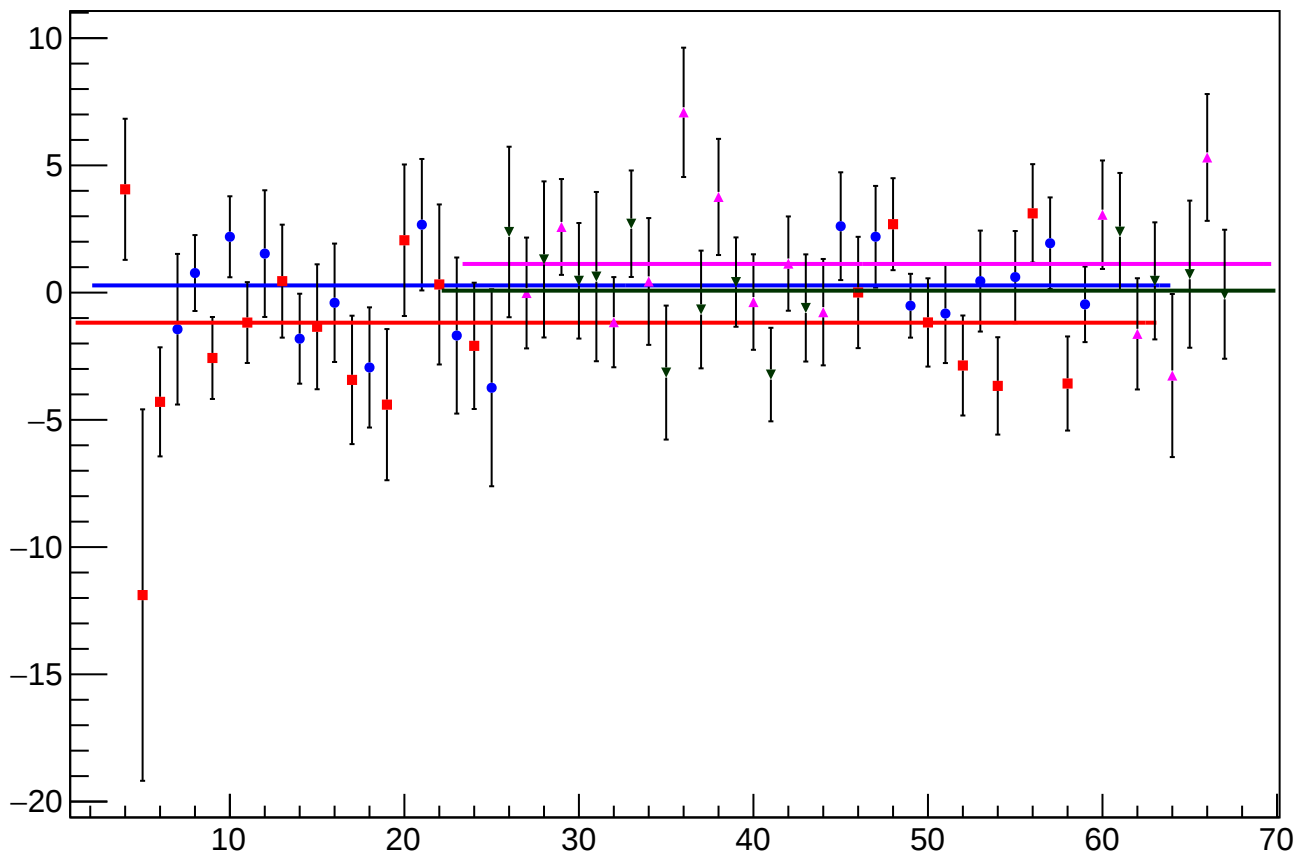
Right Out: 10.086+/-0.004 χ^2/NDF : 6750125.6/18

Left In: 970.346+/-0.432 χ^2/NDF : 491742.0/12

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

10.163+/-0.004 χ^2/NDF : 12192169.8/31

diff_cav4cX_mean vs slug



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

Left Out: 0.077 ± 0.628 χ^2/NDF : 8.3/13

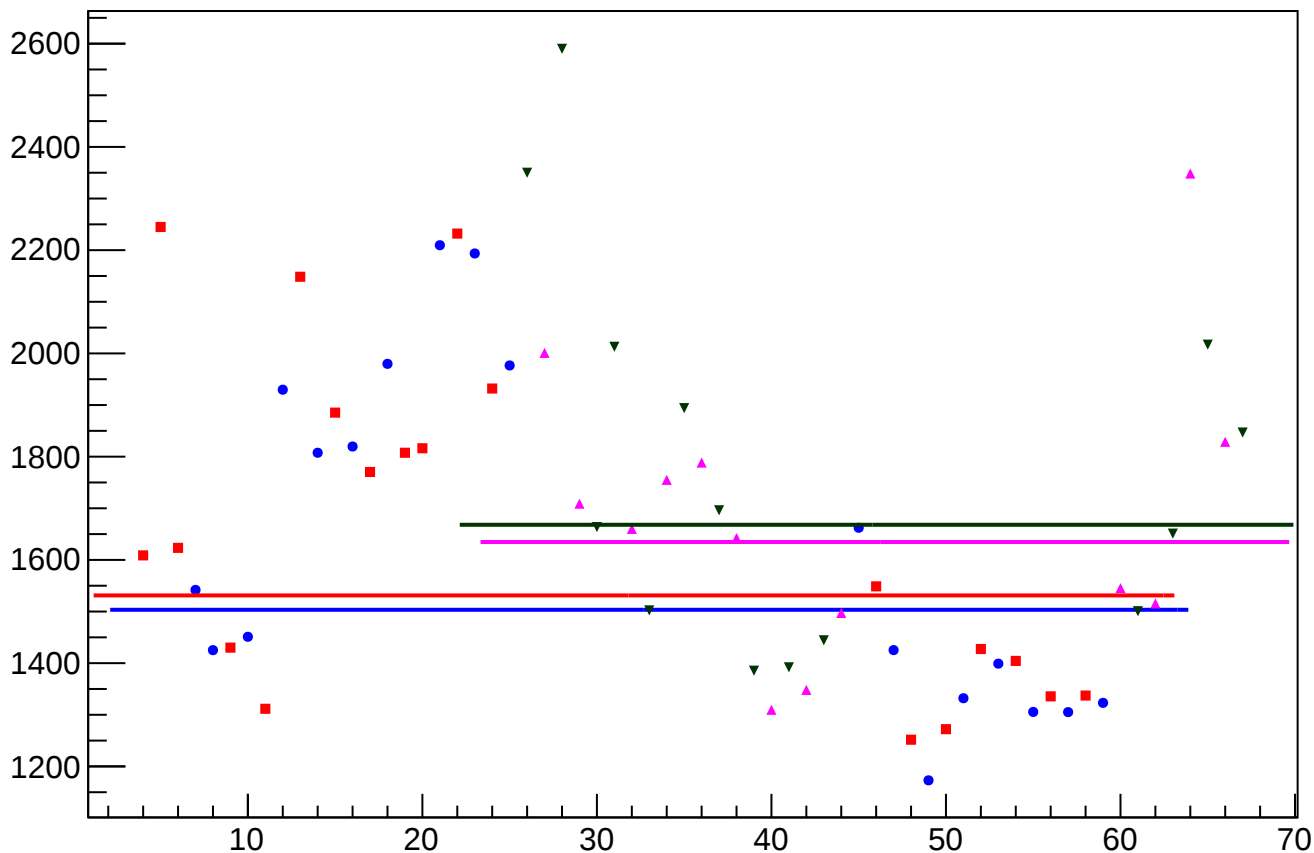
Right Out: -1.182 ± 0.494 χ^2/NDF : 26.5/18

Left In: 1.126 ± 0.596 χ^2/NDF : 18.0/12

0.212 ± 0.369 χ^2/NDF : 20.2/31

-0.244 ± 0.380 χ^2/NDF : 53.4/31

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

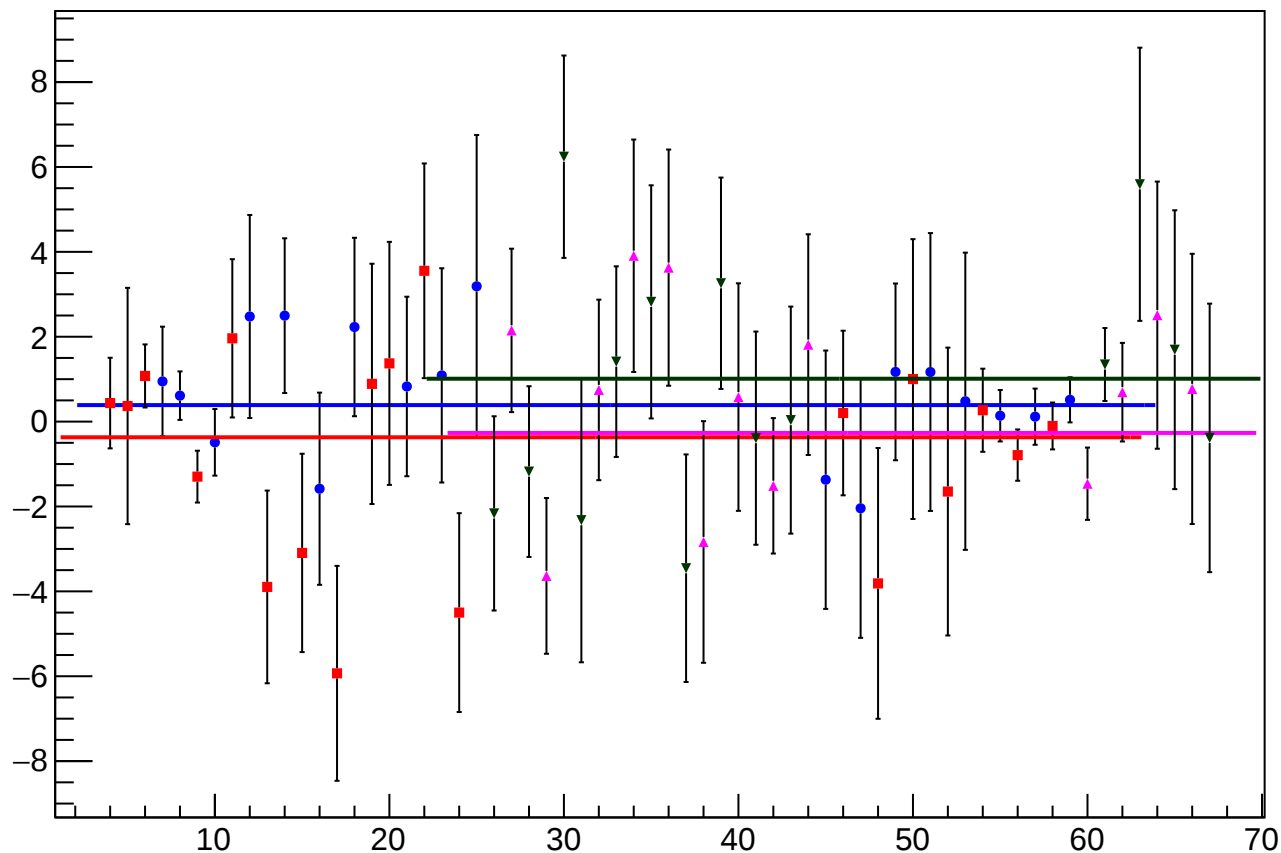
Right Out: 1531.211+/-0.349 χ^2/NDF : 621310.9/18

Left In: 1634.698+/-0.422 χ^2/NDF : 309357.5/12

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

1573.282+/-0.269 χ^2/NDF : 966401.0/31

diff_cav4cY_mean vs slug



Right In: 0.389 ± 0.251 $\chi^2/\text{NDF}: 7.5/17$

Left Out: 1.010 ± 0.553 $\chi^2/\text{NDF}: 15.8/13$

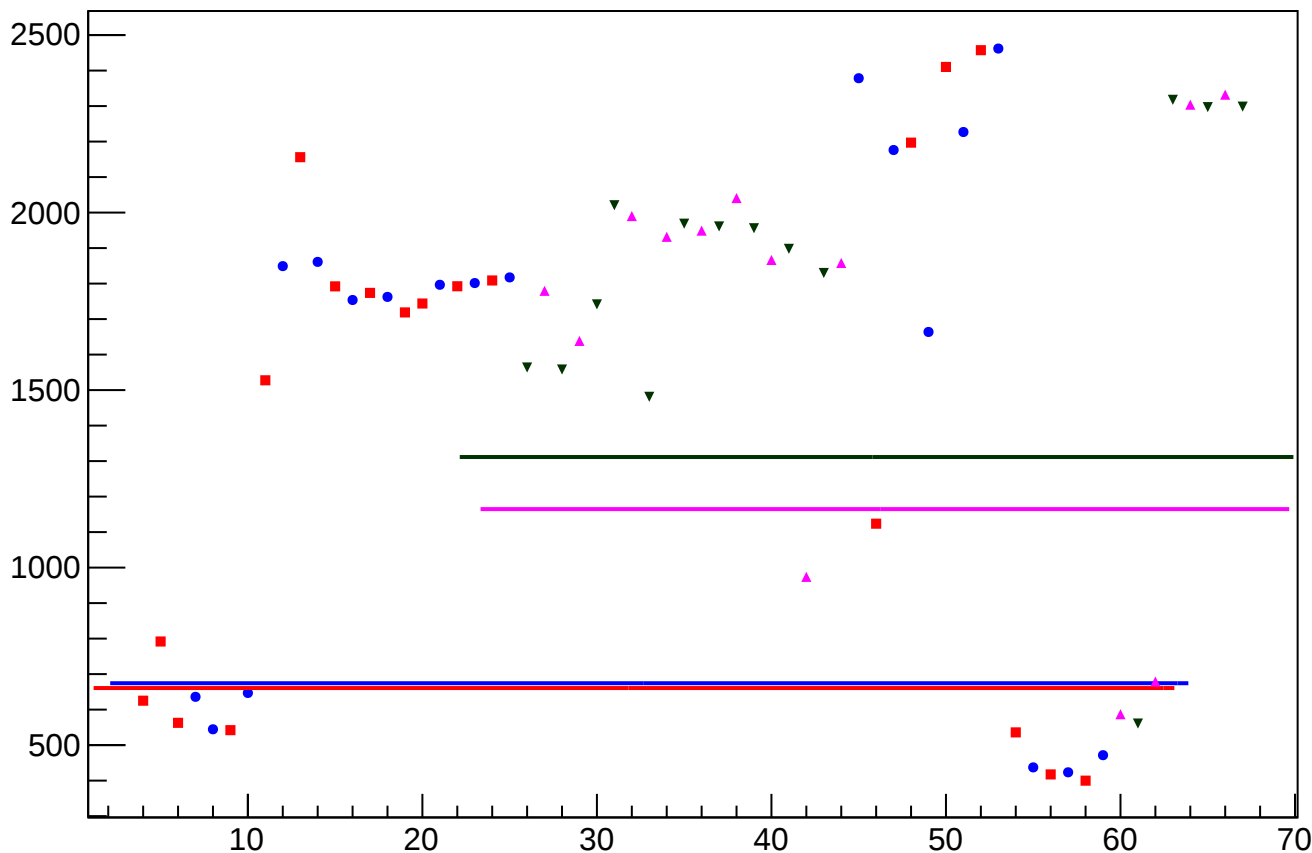
Right Out: -0.369 ± 0.263 $\chi^2/\text{NDF}: 25.7/18$

Left In: -0.267 ± 0.490 $\chi^2/\text{NDF}: 15.2/12$

0.496 ± 0.229 $\chi^2/\text{NDF}: 24.4/31$

-0.346 ± 0.231 $\chi^2/\text{NDF}: 40.9/31$

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

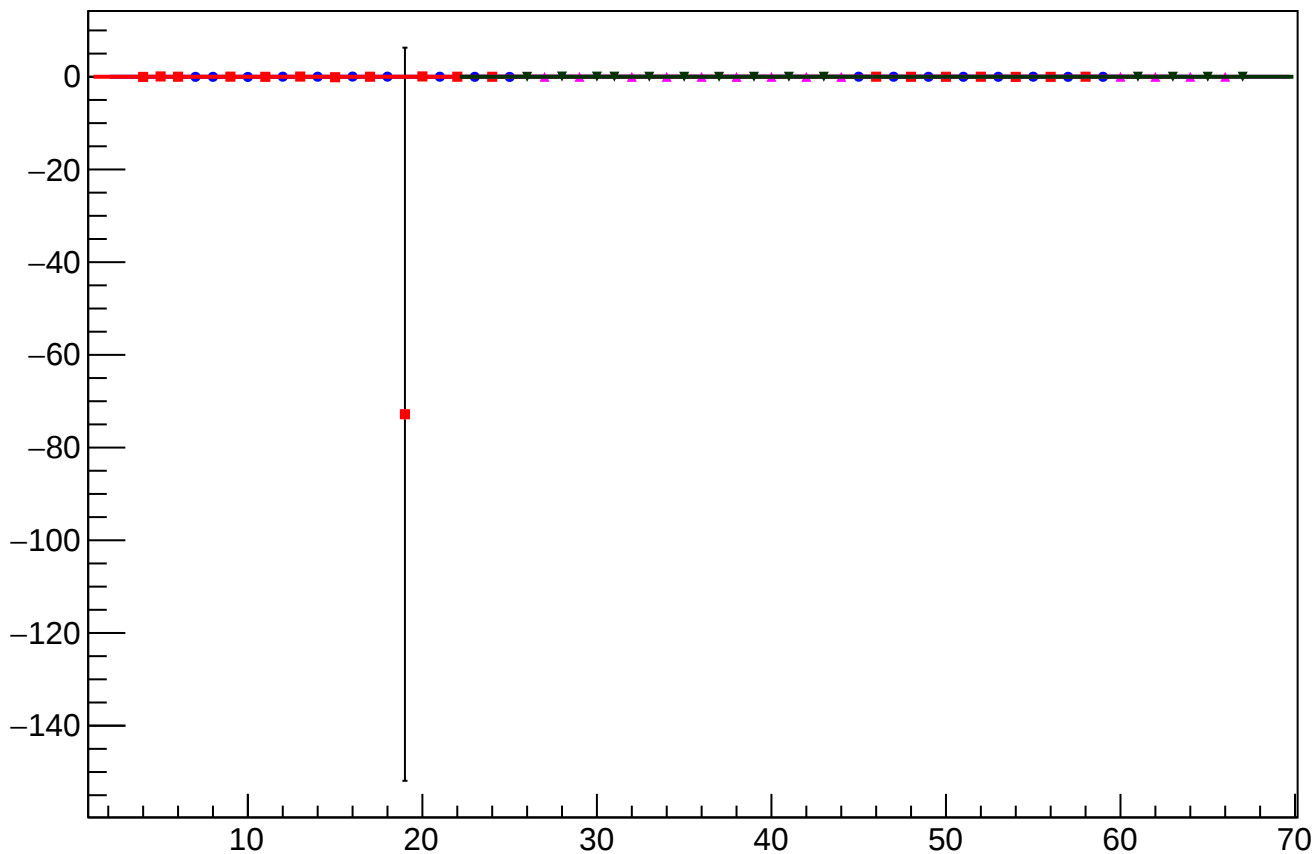
Right Out: 660.761+/-0.186 χ^2/NDF : 6222915.7/18

Left In: 1164.797+/-0.346 χ^2/NDF : 3251619.1/12

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

773.345+/-0.164 χ^2/NDF : 11120868.4/31

diff_cav4dX_mean vs slug



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

Left Out: 0.001 $\pm$ 0.004 χ^2 /NDF: 8.9/13

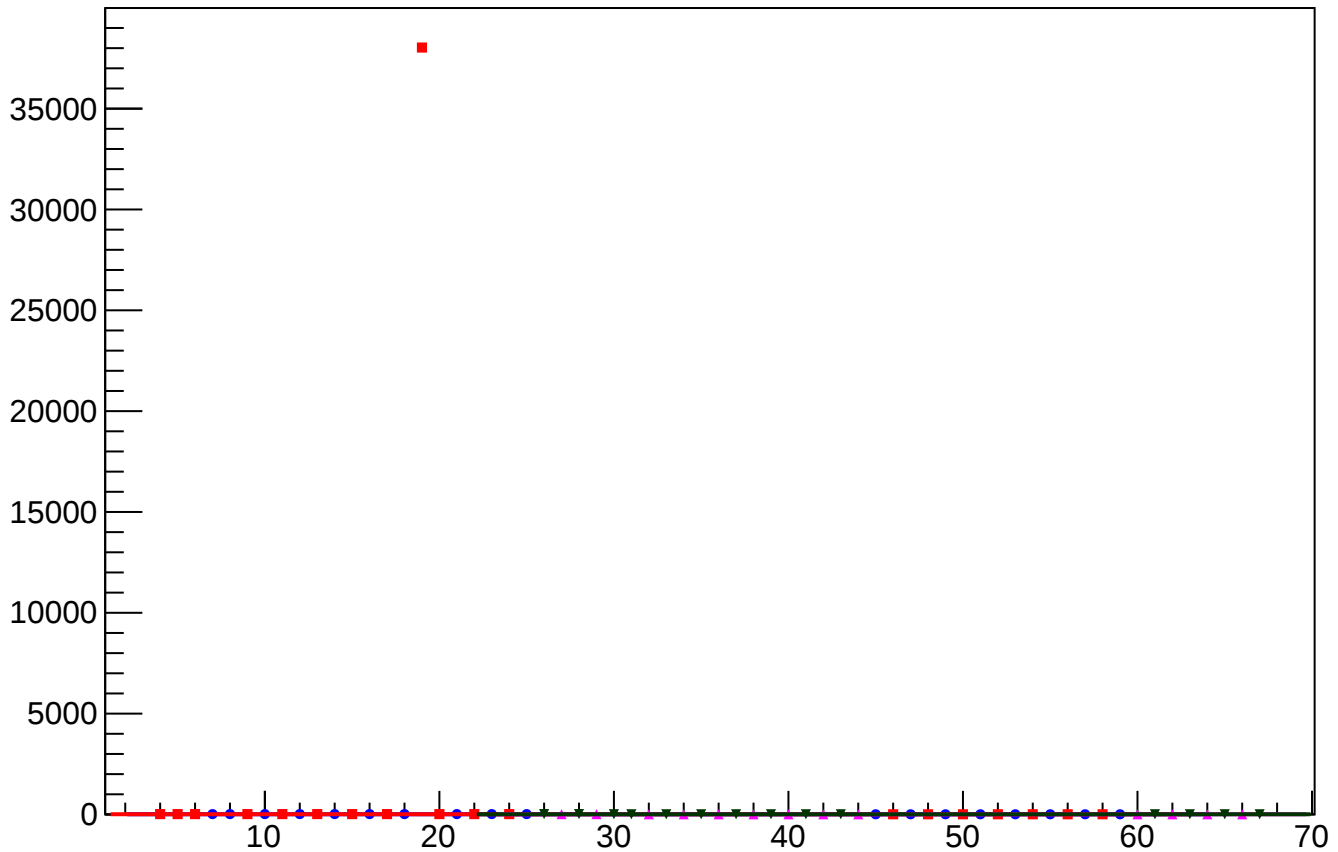
Right Out: 0.002 $\pm$ 0.004 χ^2 /NDF: 20.0/18

Left In: 0.001 $\pm$ 0.003 χ^2 /NDF: 5.6/12

0.000 $\pm$ 0.003 χ^2 /NDF: 20.9/31

0.001 $\pm$ 0.003 χ^2 /NDF: 25.6/31

diff_cav4dX_rms vs slug



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

Left Out: 9.135 $\pm$ 0.002 χ^2 /NDF: 607467.0/13

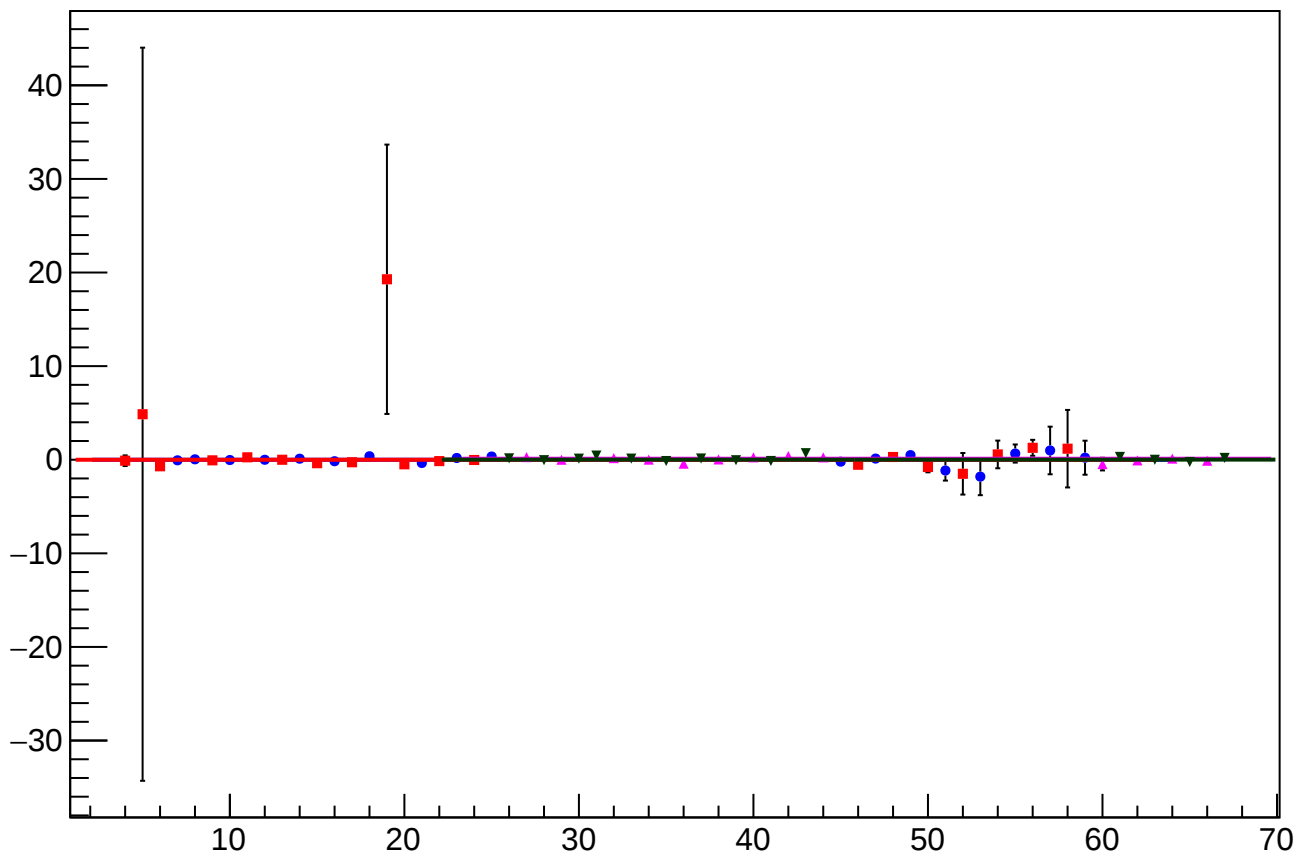
9.839 $\pm$ 0.002 χ^2 /NDF: 2728024.3/31

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

9.944 $\pm$ 0.002 χ^2 /NDF: 3295124.6/31

Left In: 9.148 $\pm$ 0.002 χ^2 /NDF: 772556.3/12

diff_cav4dY_mean vs slug



Right In: -0.003 $\pm$ 0.003 χ^2 /NDF: 20.9/17

Left Out: 0.013 $\pm$ 0.049 χ^2 /NDF:19.1/13

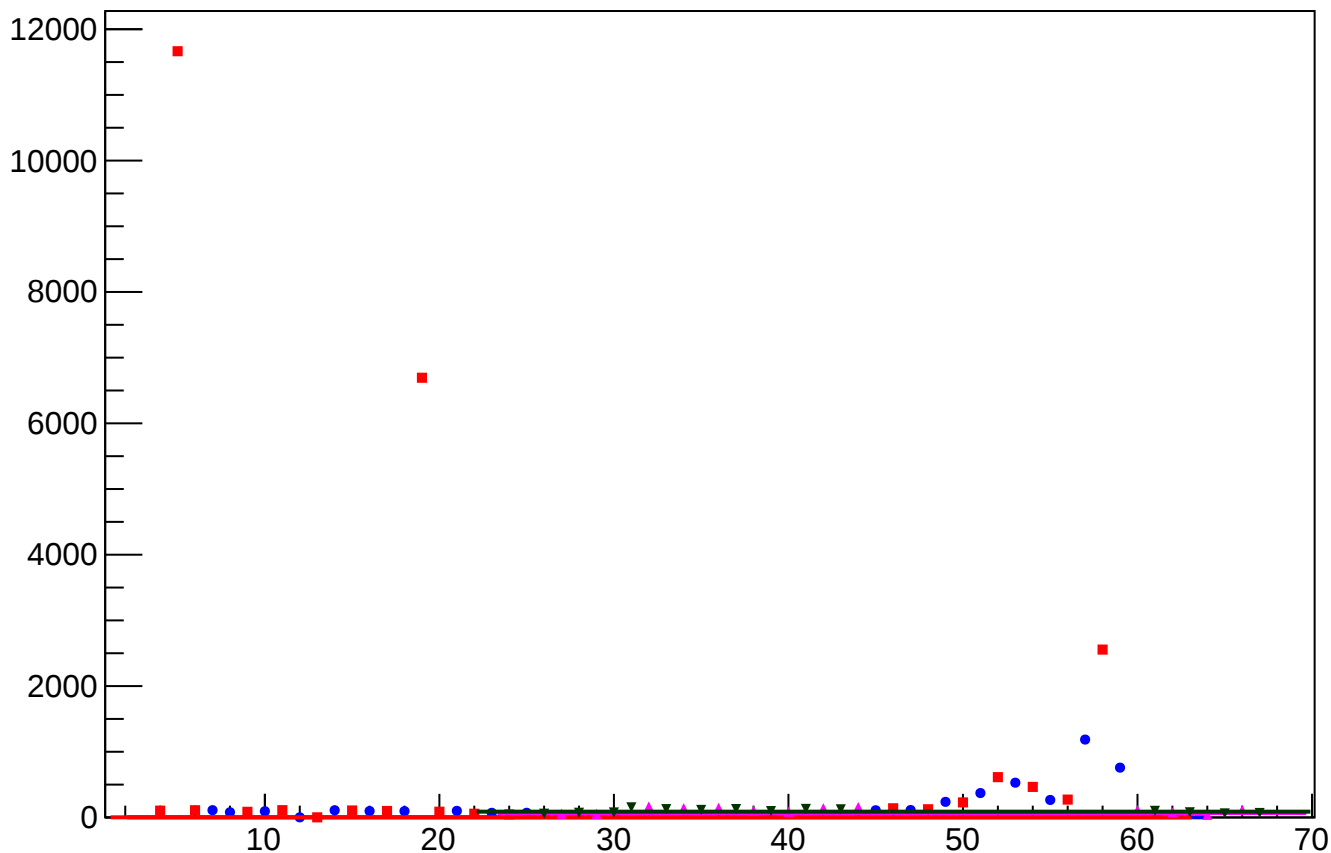
Right Out: -0.003 $\pm$ 0.003 χ^2 /NDF: 21.1/18

Left In: 0.108 $\pm$ 0.039 χ^2 /NDF:12.2/12

-0.003 $\pm$ 0.003 χ^2 /NDF: 40.1/31

-0.002 $\pm$ 0.003 χ^2 /NDF: 41.3/31

diff_cav4dY_rms vs slug



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

Left Out: 88.131 $\pm$ 0.035 χ^2 /NDF: 599251.5/13

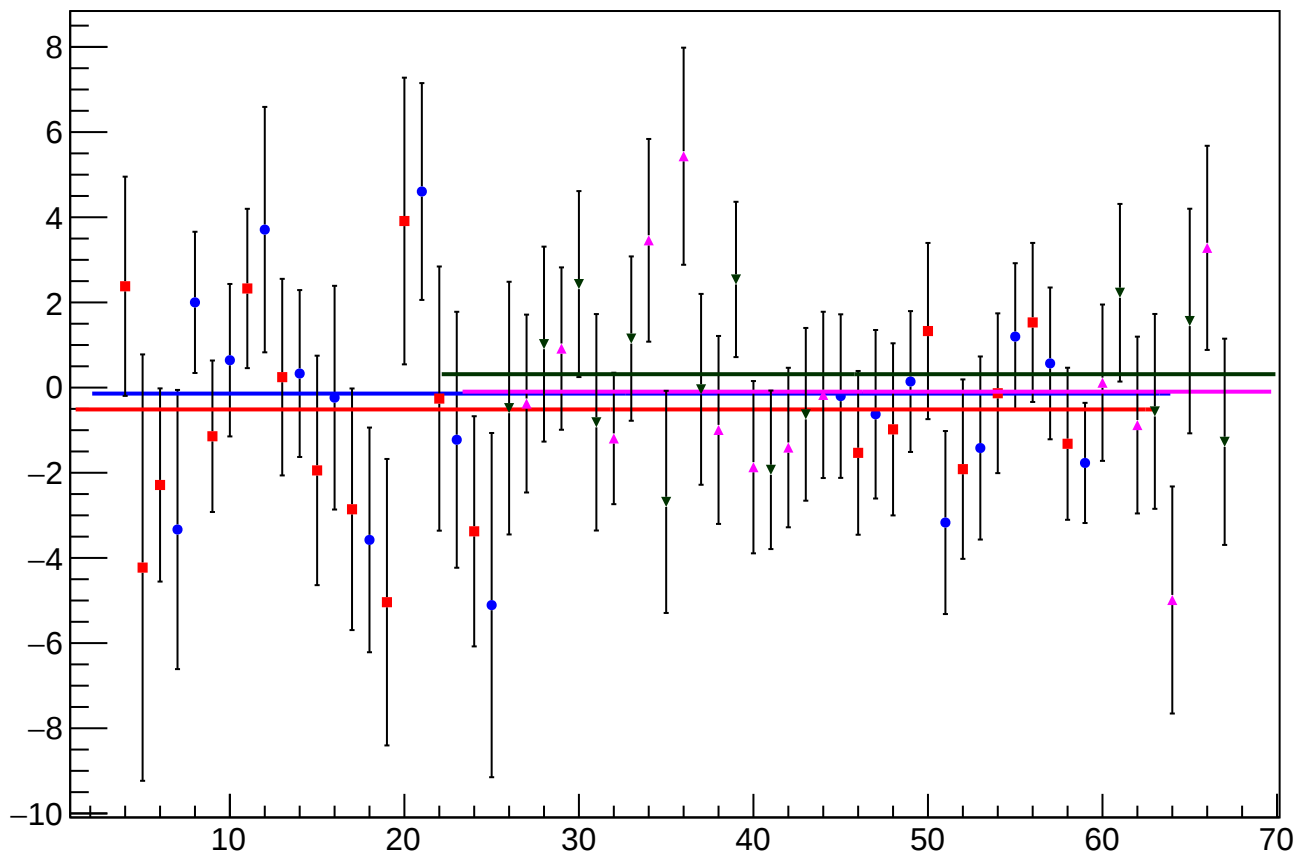
Right Out: 2.101 $\pm$ 0.002 χ^2 /NDF: 6716516.3/18

Left In: 66.945 $\pm$ 0.028 χ^2 /NDF: 1746338.2/12

2.551 $\pm$ 0.002 χ^2 /NDF: 15874753.3/31

2.488 $\pm$ 0.002 χ^2 /NDF: 13953804.2/31

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

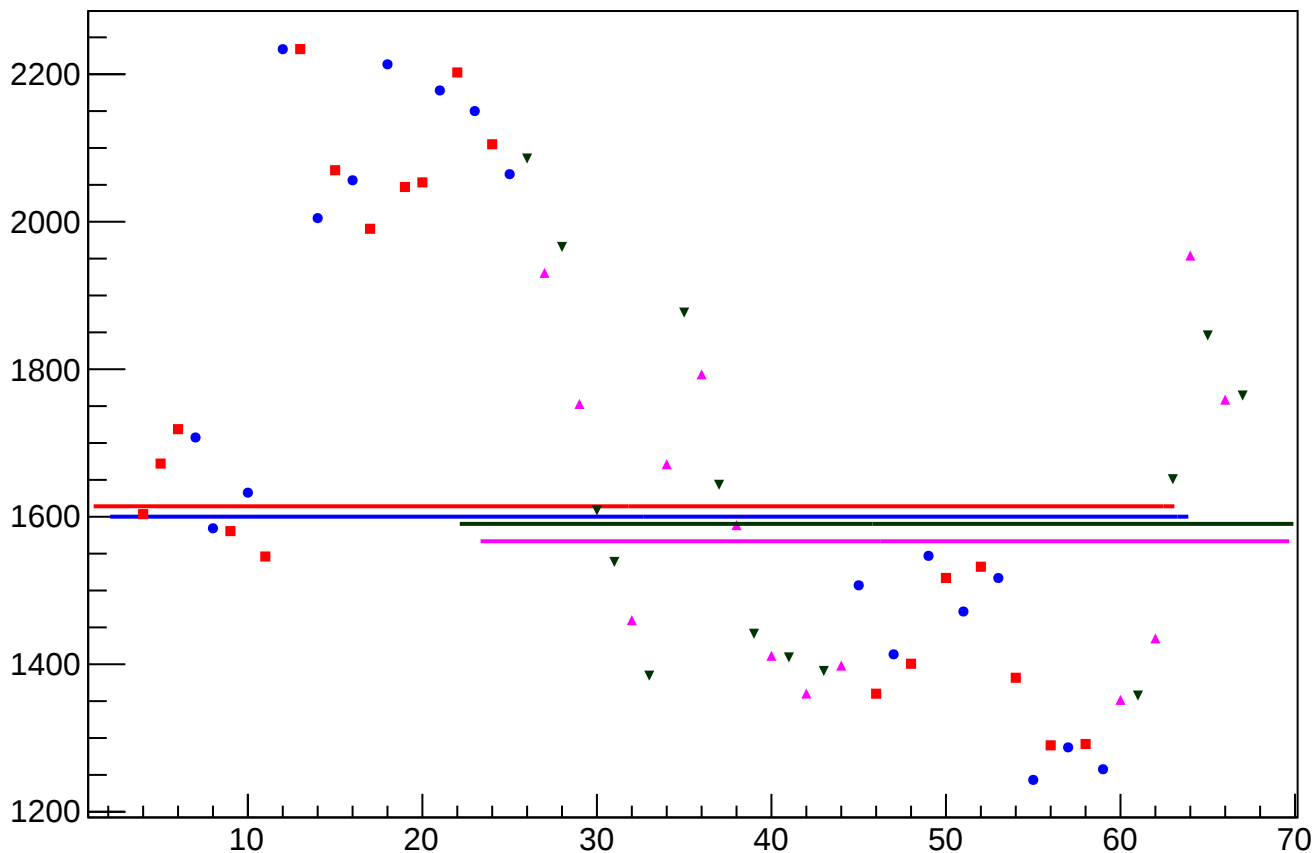
Right Out: -0.513 ± 0.519 χ^2/NDF : 13.6/18

Left In: -0.096 ± 0.568 χ^2/NDF : 14.7/12

0.042 ± 0.375 χ^2/NDF : 24.0/31

-0.323 ± 0.383 χ^2/NDF : 28.6/31

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

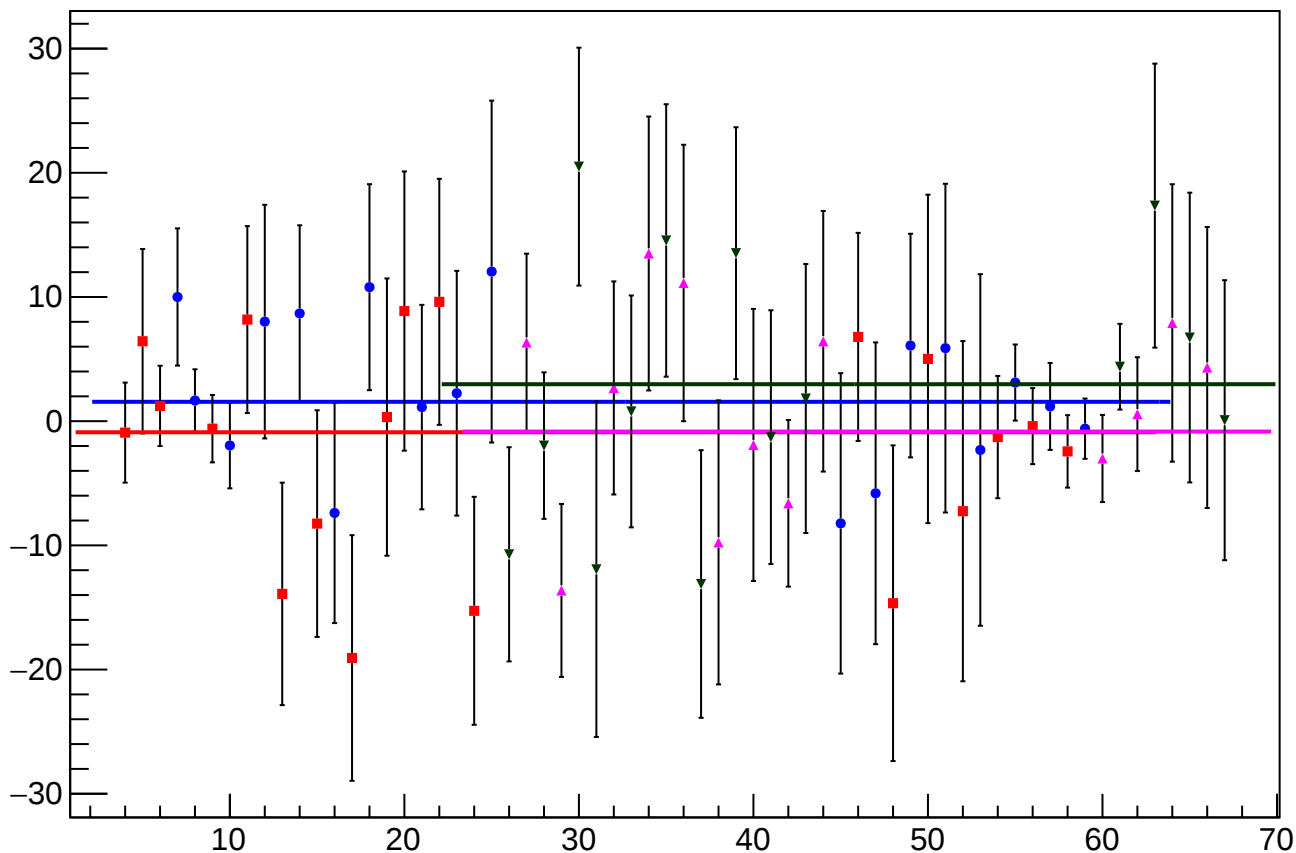
Right Out: 1614.182+/-0.367 χ^2/NDF : 670373.5/18

Left In: 1566.796+/-0.402 χ^2/NDF : 250726.8/12

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

1592.638+/-0.271 χ^2/NDF : 928681.0/31

diff_bpm4aY_mean vs slug



Right In: 1.560 $\pm$ 1.148 χ^2 /NDF: 10.2/17

Left Out: 2.977 $\pm$ 2.124 χ^2 /NDF:14.4/13

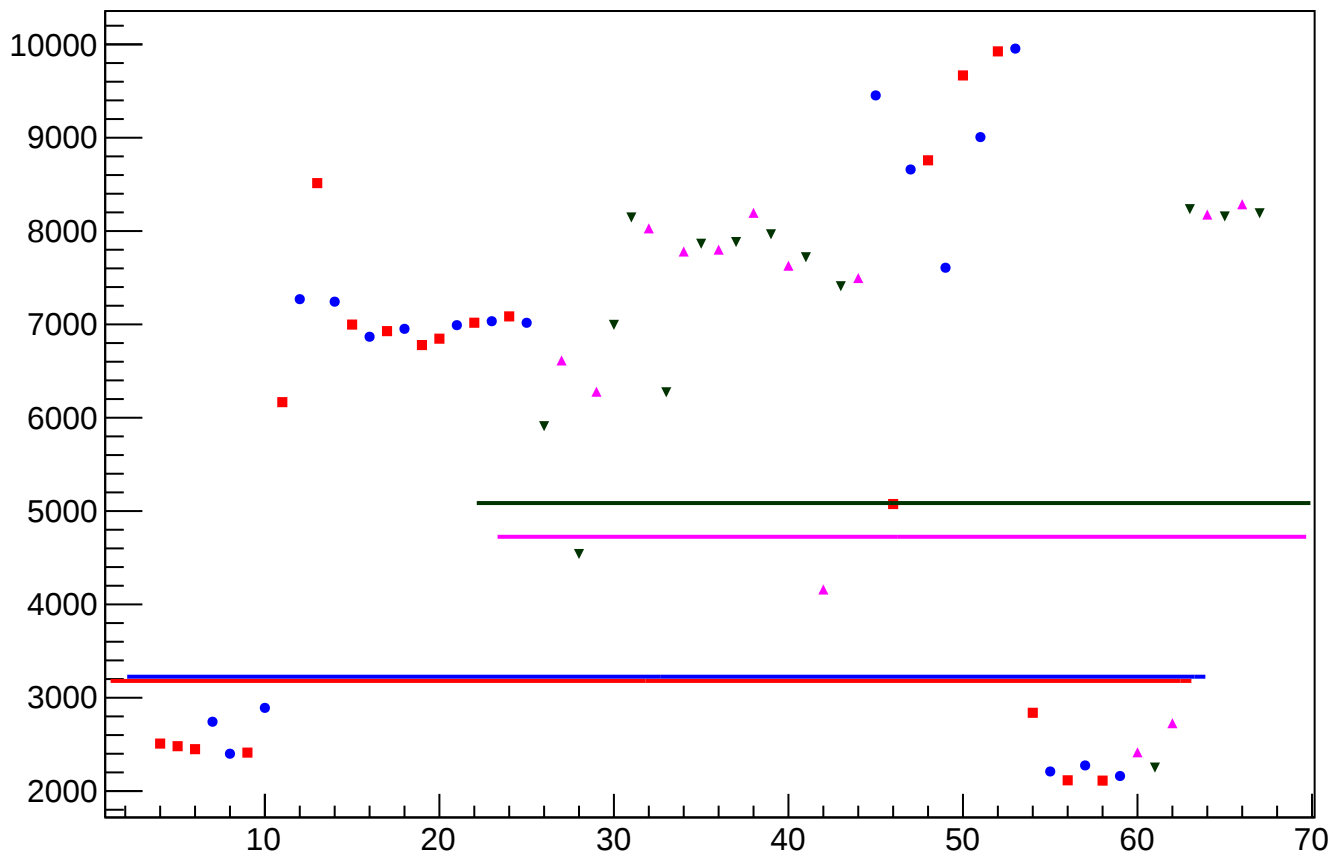
Right Out: -0.892 $\pm$ 1.197 χ^2 /NDF: 16.1/18

Left In: -0.837 $\pm$ 1.954 χ^2 /NDF:10.5/12

1.880 $\pm$ 1.010 χ^2 /NDF: 24.9/31

-0.877 $\pm$ 1.020 χ^2 /NDF: 26.6/31

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

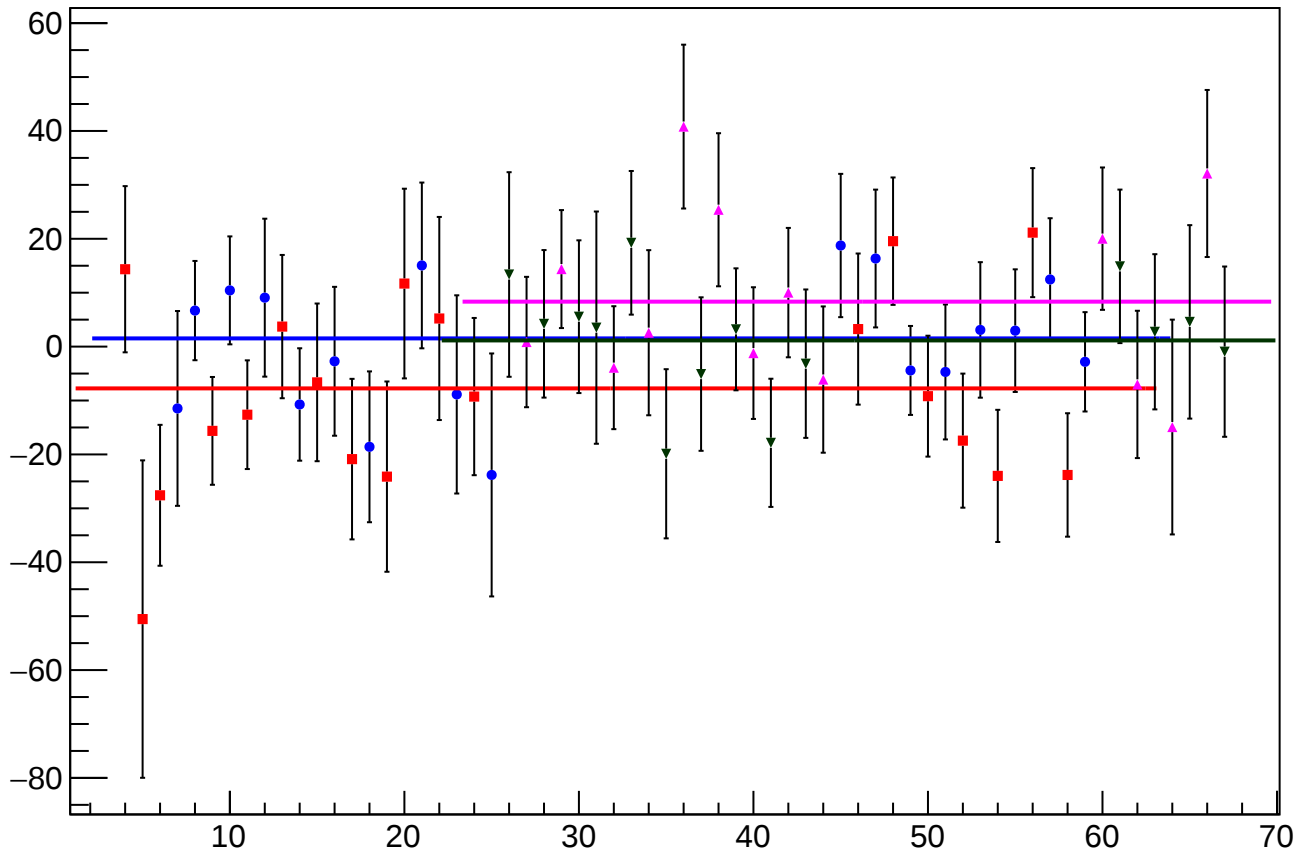
Right Out: 3180.260+/-0.846 χ^2/NDF : 5053490.5/18

Left In: 4724.466+/-1.381 χ^2/NDF : 2956551.5/12

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

3601.611+/-0.722 χ^2/NDF : 8918734.1/31

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

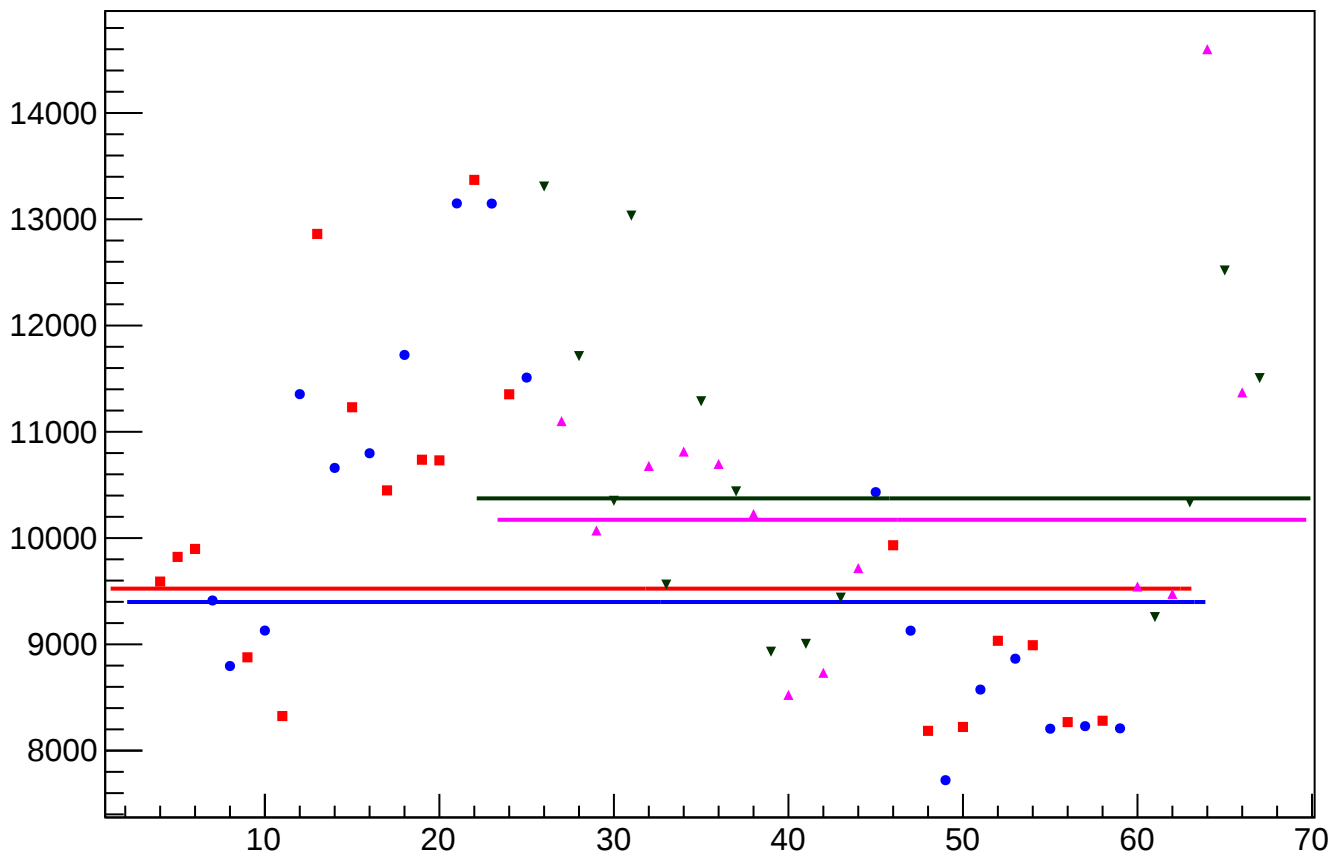
Right Out: -7.752+/-3.046 χ^2/NDF : 27.5/18

Left In: 8.338+/-3.694 χ^2/NDF : 15.5/12

1.390+/-2.285 χ^2/NDF : 20.9/31

-1.240+/-2.350 χ^2/NDF : 54.4/31

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

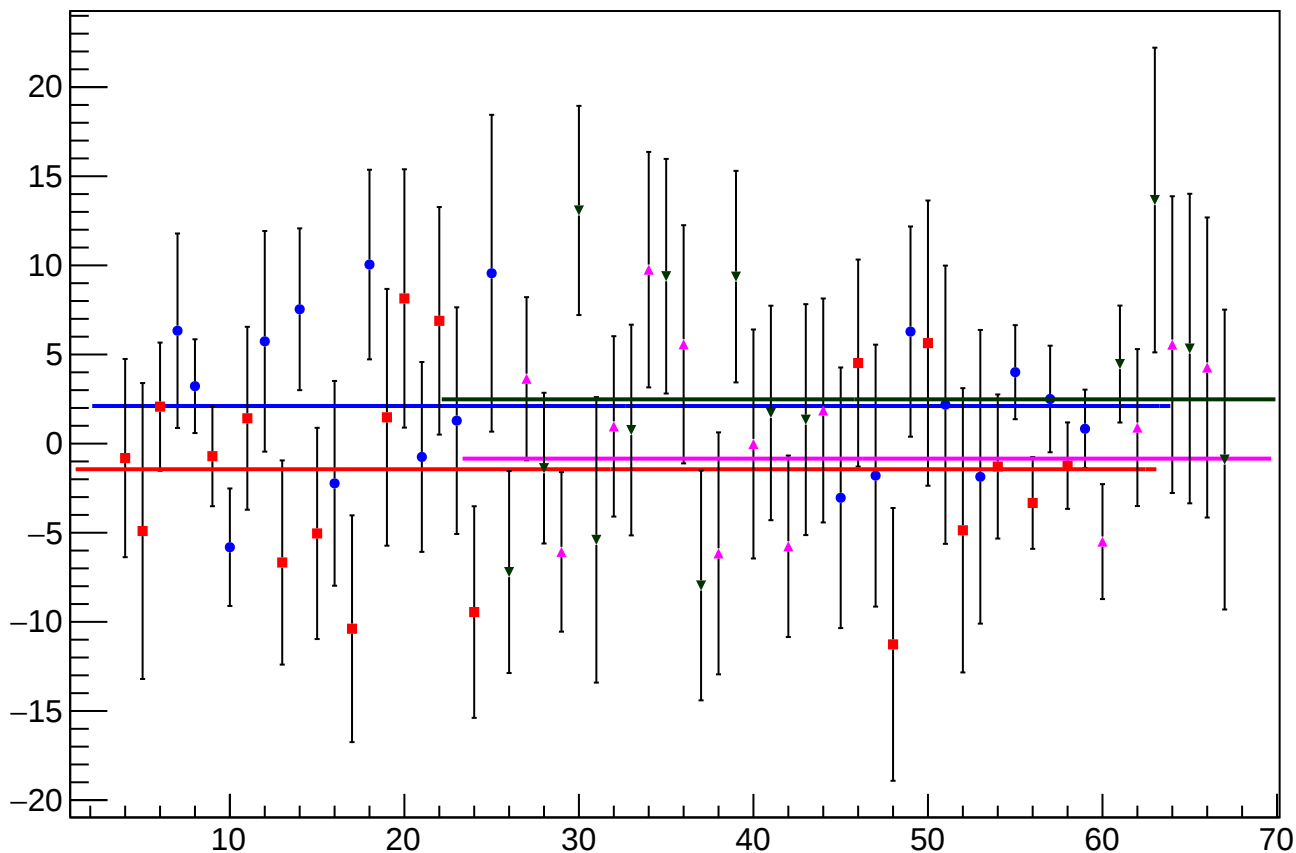
Right Out: 9524.317 $\pm$ 2.154 χ^2 /NDF: 440161.2/18

Left In: 10172.139 $\pm$ 2.612 χ^2 /NDF: 209833.5/12

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

9786.510 $\pm$ 1.662 χ^2 /NDF: 686617.7/31

diff_bpm4eY_mean vs slug



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

Left Out: 2.484 ± 1.540 $\chi^2/\text{NDF}: 15.5/13$

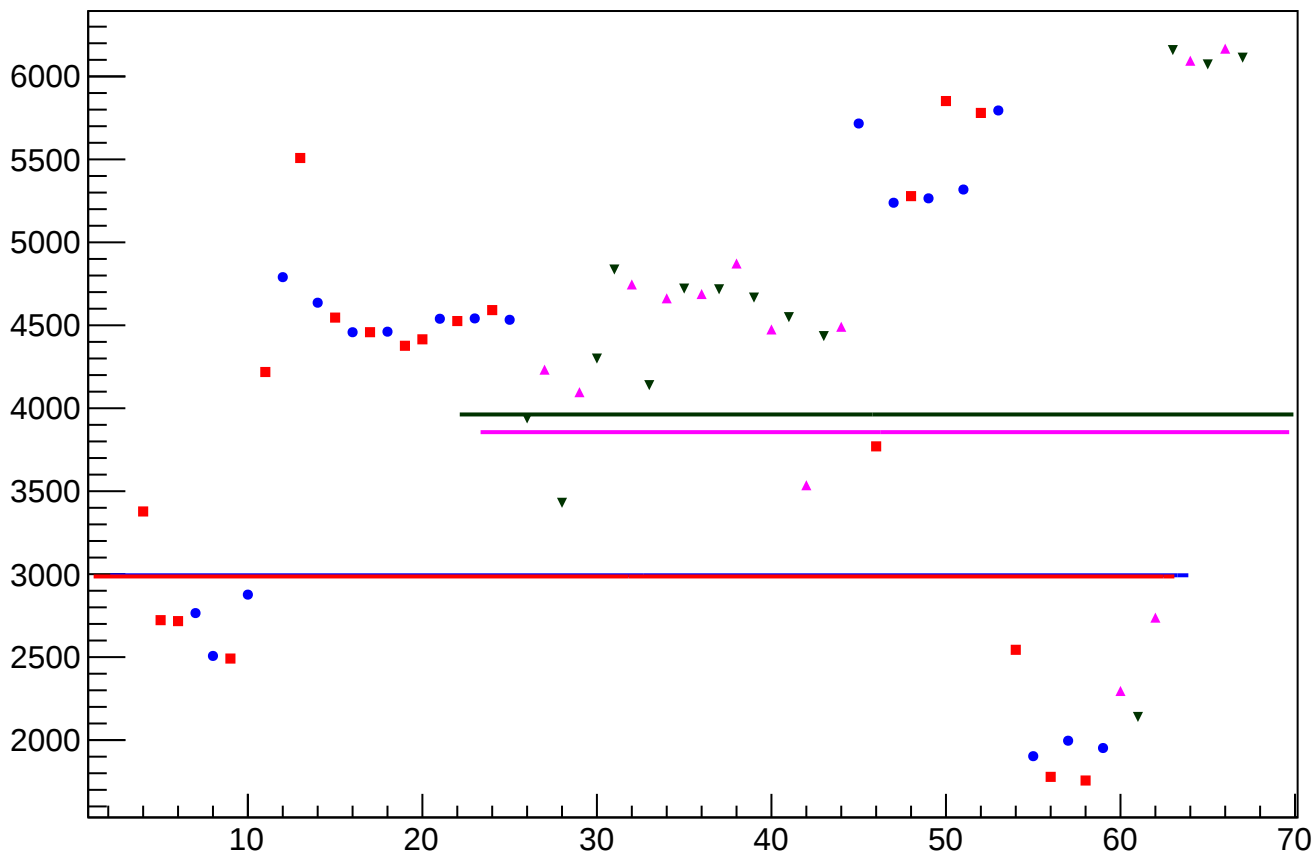
Right Out: -1.438 ± 1.040 $\chi^2/\text{NDF}: 14.4/18$

Left In: -0.842 ± 1.461 $\chi^2/\text{NDF}: 10.9/12$

2.218 ± 0.826 $\chi^2/\text{NDF}: 30.1/31$

-1.238 ± 0.847 $\chi^2/\text{NDF}: 25.4/31$

diff_bpm4eY_rms vs slug



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

Left Out: 3962.597 $\pm$ 1.089 χ^2 /NDF:1174724.0/13

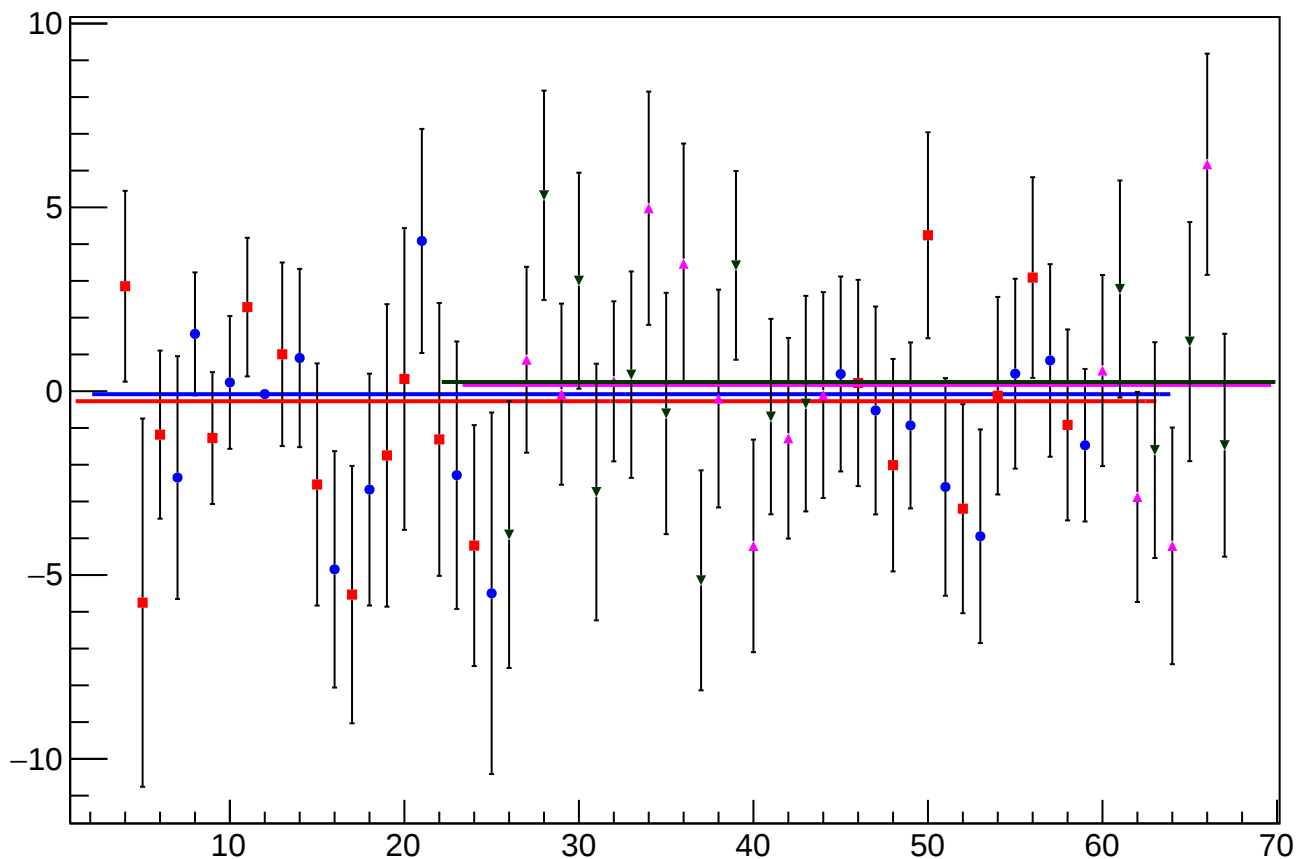
Right Out: 2986.116 $\pm$ 0.736 χ^2 /NDF: 2945634.2/18

Left In: 3855.986 $\pm$ 1.033 χ^2 /NDF:1126419.4/12

3272.175 $\pm$ 0.584 χ^2 /NDF: 5056984.8/31

3278.637 $\pm$ 0.599 χ^2 /NDF: 4542335.6/31

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

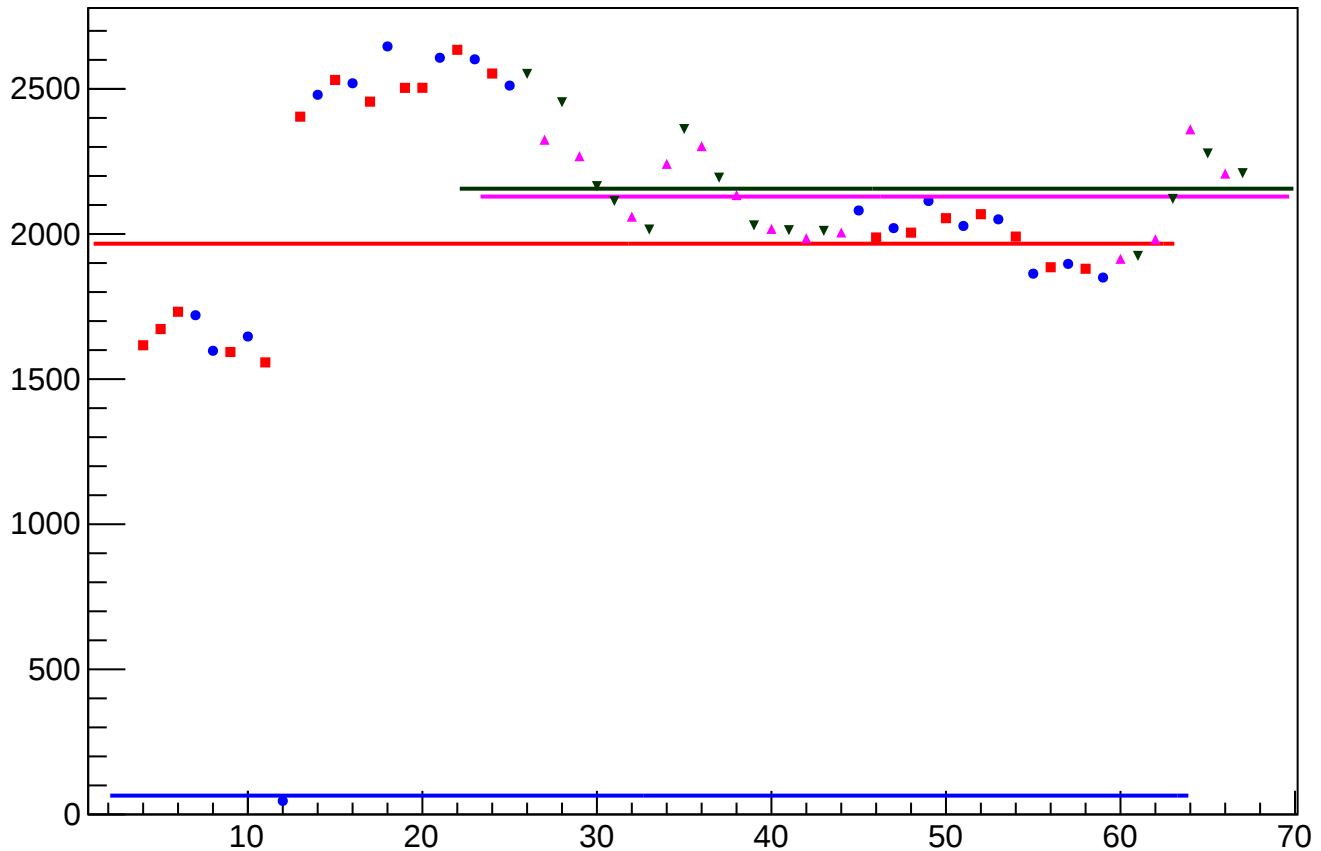
Right Out: -0.272 ± 0.631 χ^2/NDF : 15.3/18

Left In: 0.171 ± 0.767 χ^2/NDF : 13.0/12

-0.080 ± 0.060 χ^2/NDF : 24.1/31

-0.093 ± 0.487 χ^2/NDF : 28.4/31

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

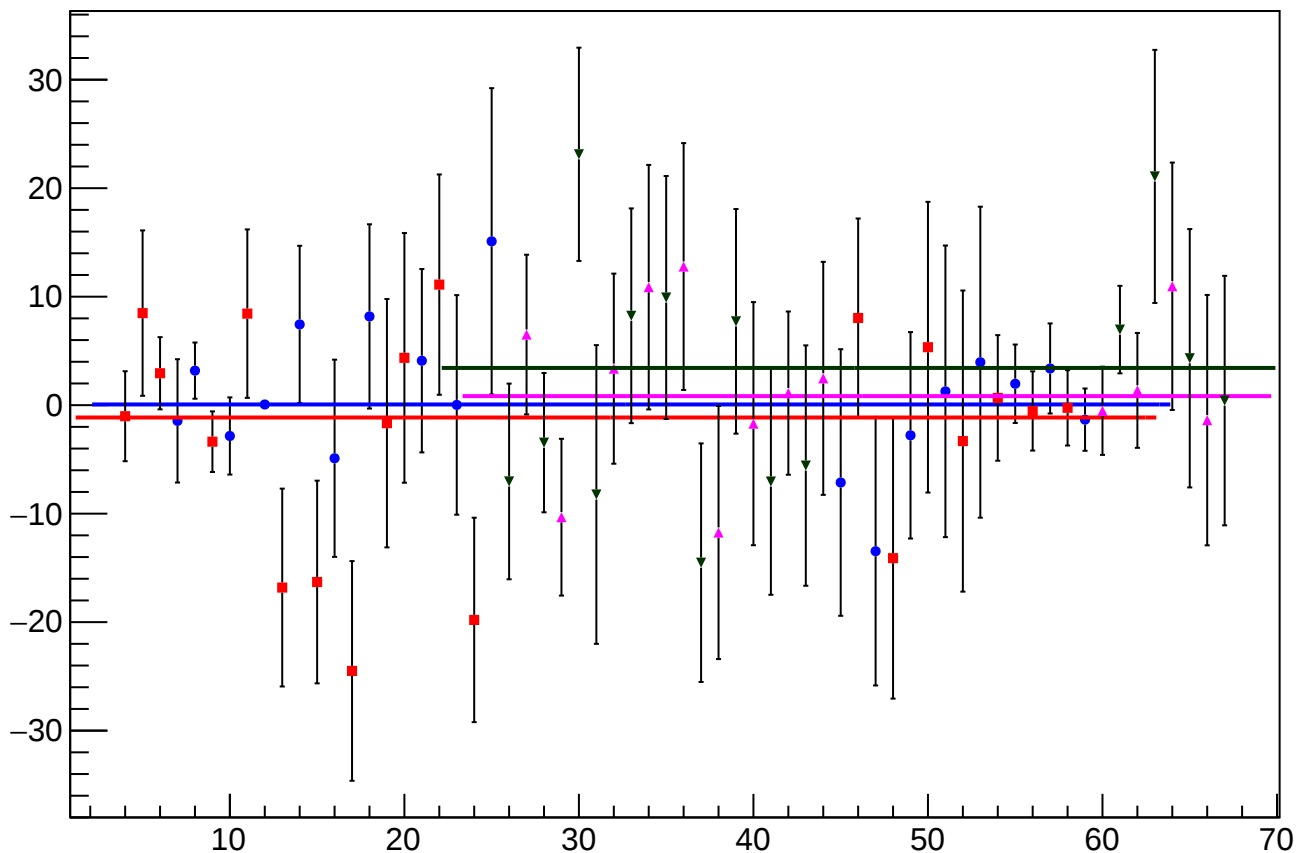
Right Out: 1966.634+/-0.446 χ^2 /NDF: 610680.3/18

Left In: 2129.005+/-0.543 χ^2 /NDF: 71689.5/12

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

2032.169+/-0.345 χ^2 /NDF: 735783.7/31

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

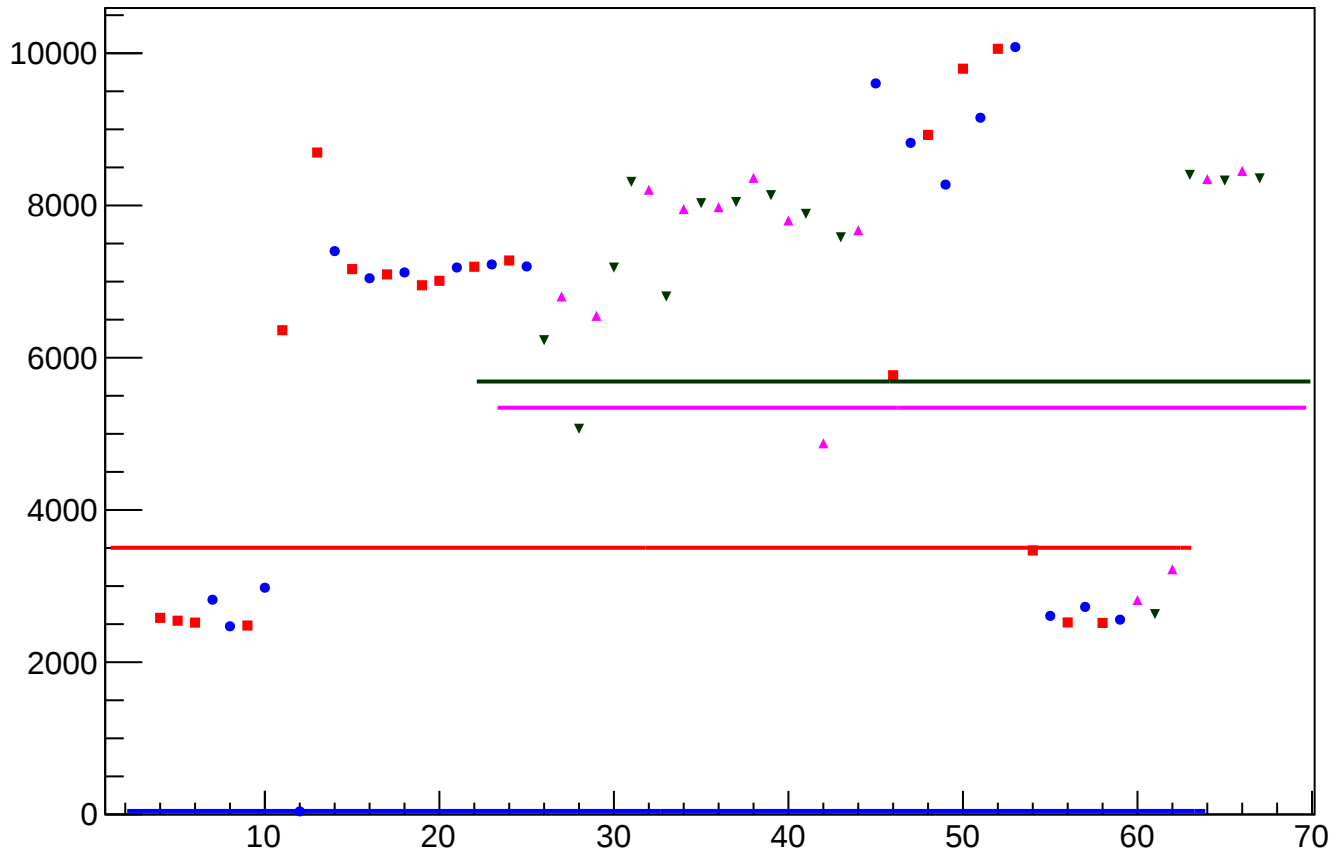
Right Out: -1.137 ± 1.295 χ^2/NDF : 24.2/18

Left In: 0.834 ± 2.135 χ^2/NDF : 7.1/12

0.067 ± 0.052 χ^2/NDF : 26.2/31

-0.607 ± 1.107 χ^2/NDF : 32.0/31

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

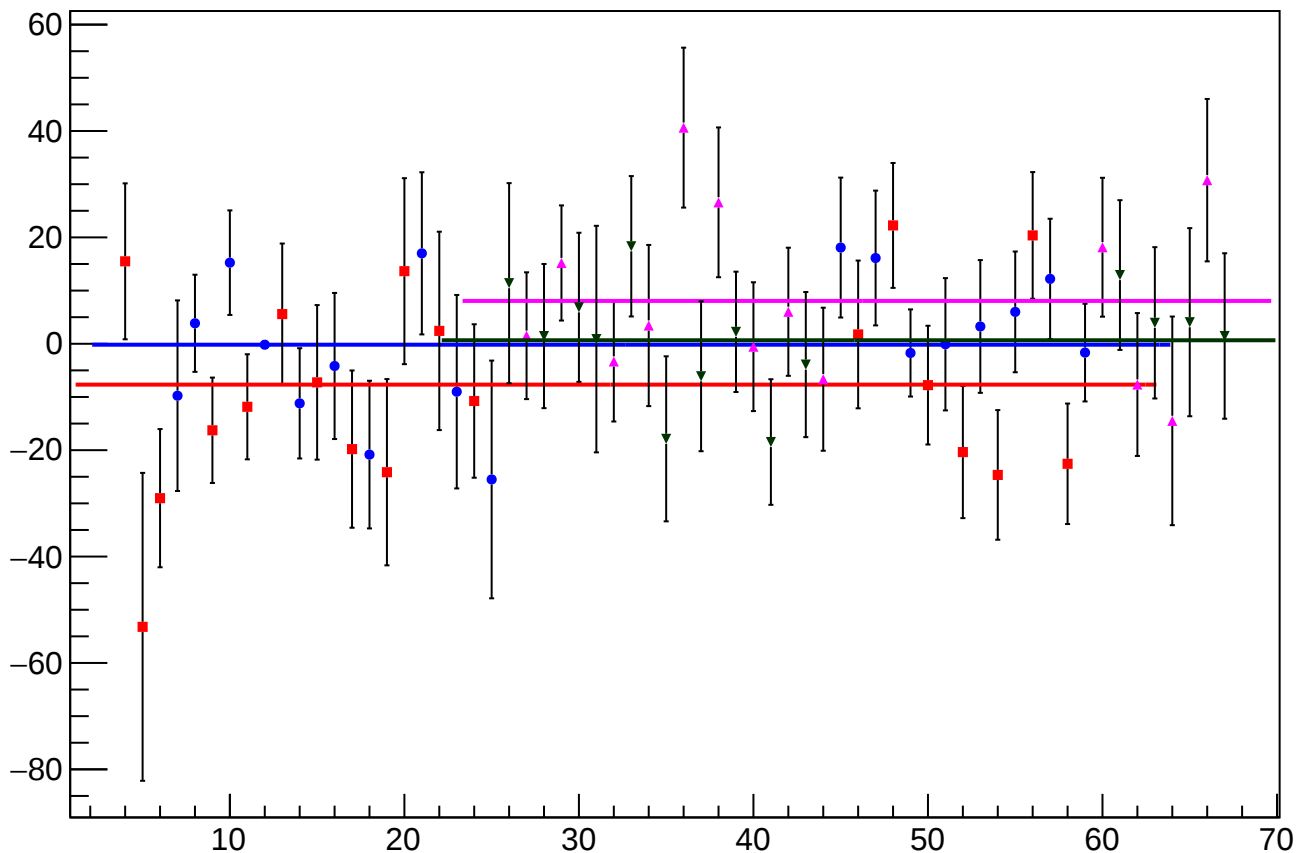
Right Out: 3503.720+/-0.916 χ^2 /NDF: 4669685.2/18

Left In: 5343.204+/-1.510 χ^2 /NDF:2273119.5/12

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

3998.437+/-0.783 χ^2 /NDF: 8027711.5/31

diff_bpm4ecX_mean vs slug



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

Left Out: 0.660 ± 3.829 $\chi^2/\text{NDF}: 7.6/13$

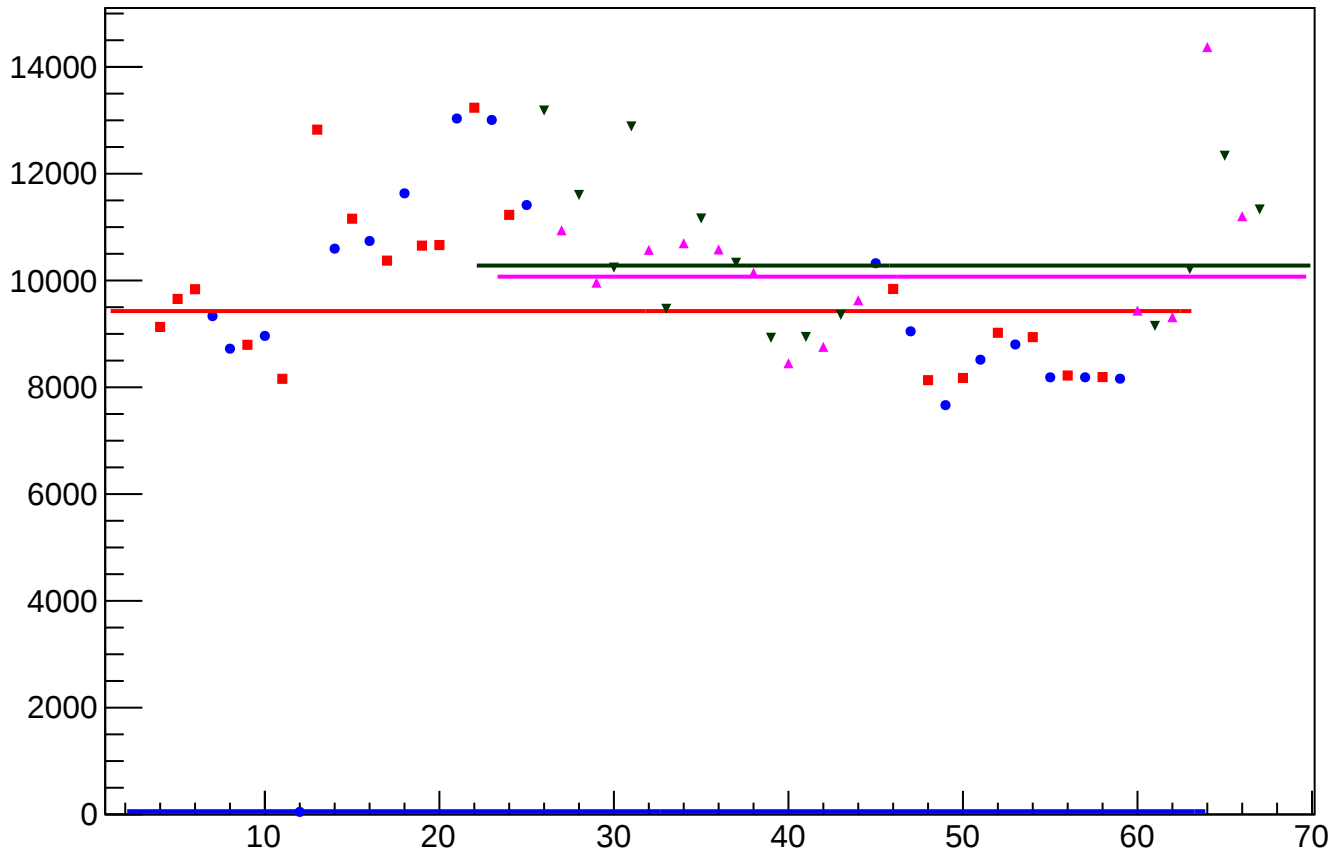
Right Out: -7.679 ± 3.015 $\chi^2/\text{NDF}: 30.2/18$

Left In: 8.055 ± 3.656 $\chi^2/\text{NDF}: 15.5/12$

-0.173 ± 0.106 $\chi^2/\text{NDF}: 22.0/31$

-1.310 ± 2.326 $\chi^2/\text{NDF}: 56.7/31$

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

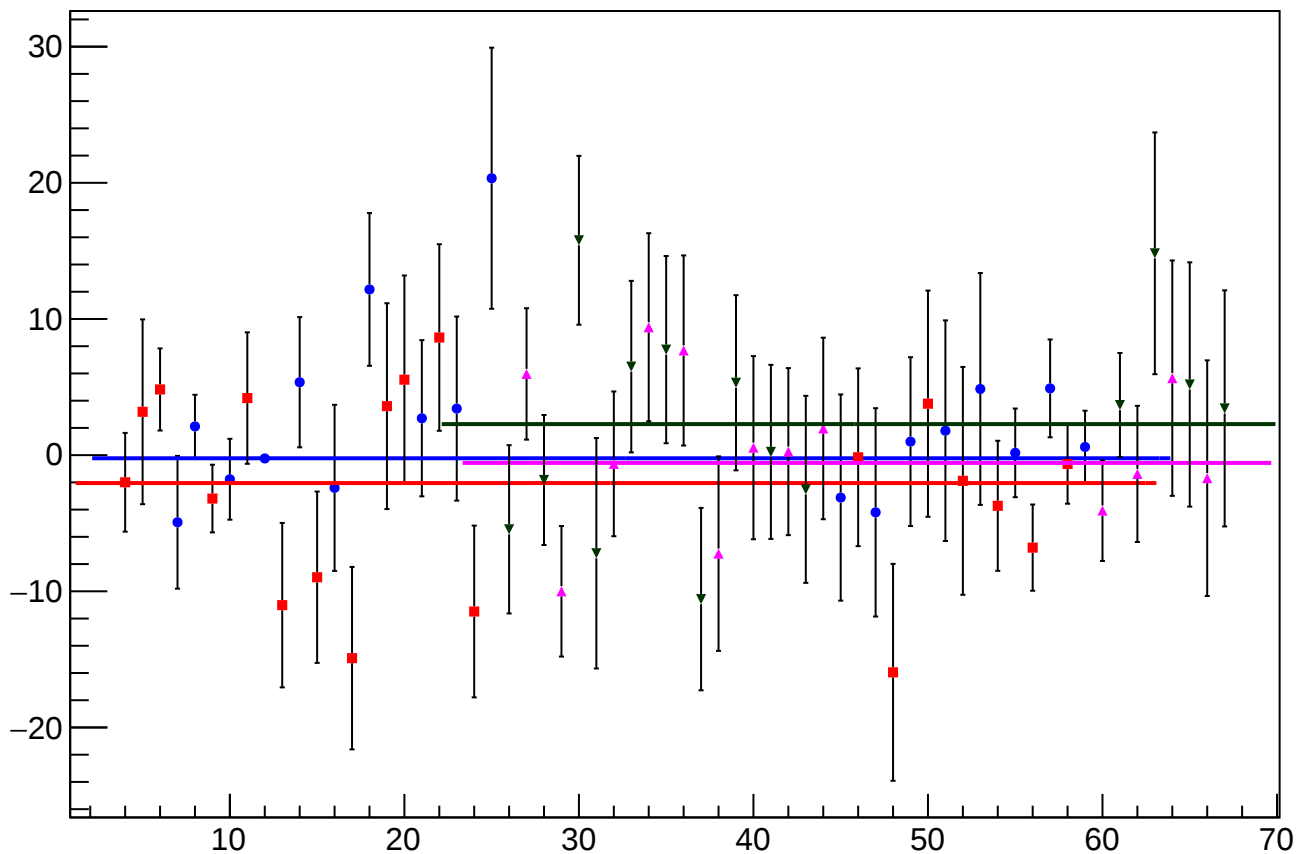
Right Out: 9427.549+/-2.132 χ^2/NDF : 447350.4/18

Left In: 10072.019+/-2.585 χ^2/NDF : 200737.8/12

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

9688.455+/-1.645 χ^2/NDF : 685071.6/31

diff_bpm4ecY_mean vs slug



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

Left Out: 2.280 ± 1.677 $\chi^2/\text{NDF}: 16.1/13$

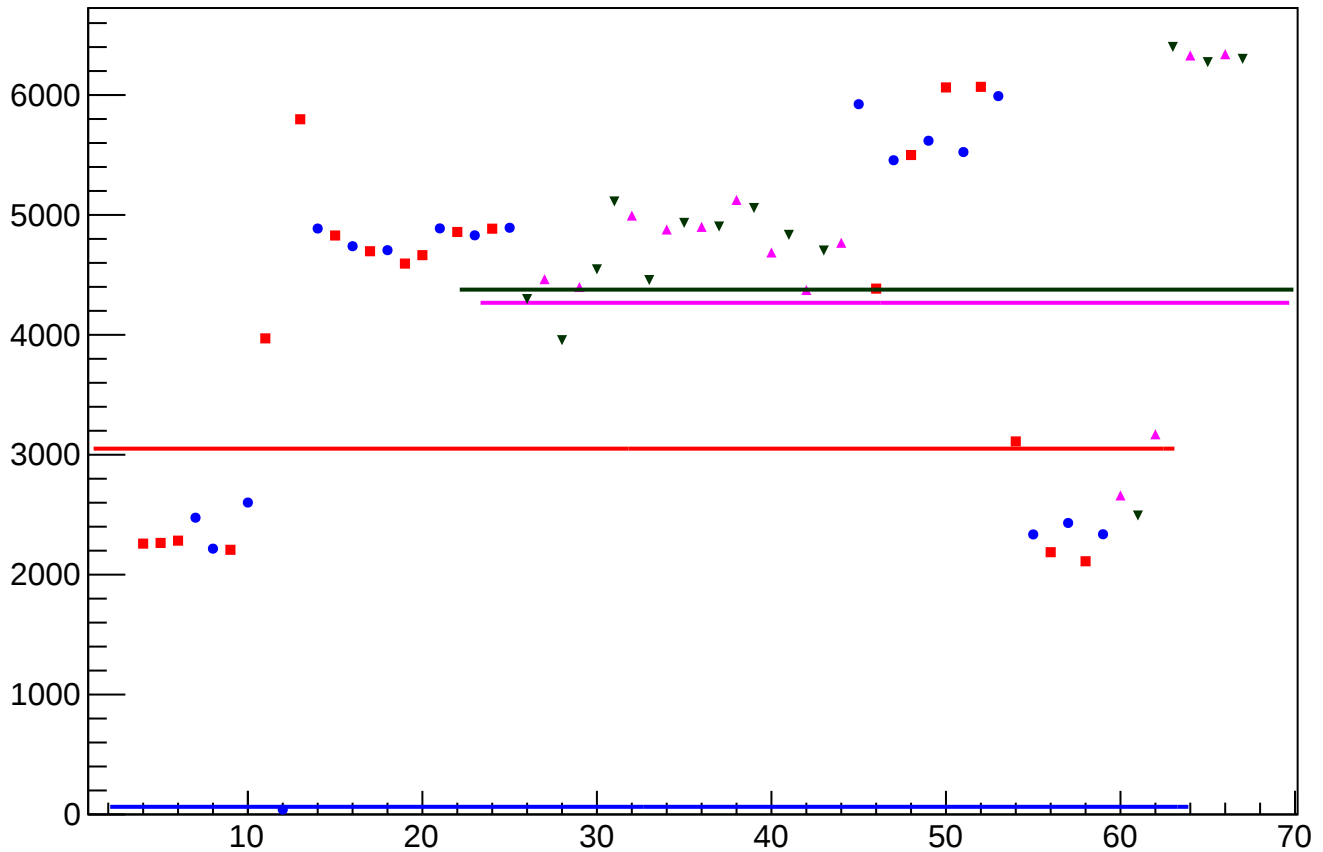
Right Out: -2.049 ± 1.055 $\chi^2/\text{NDF}: 27.2/18$

Left In: -0.572 ± 1.593 $\chi^2/\text{NDF}: 11.7/12$

-0.223 ± 0.090 $\chi^2/\text{NDF}: 35.2/31$

-1.599 ± 0.880 $\chi^2/\text{NDF}: 39.5/31$

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

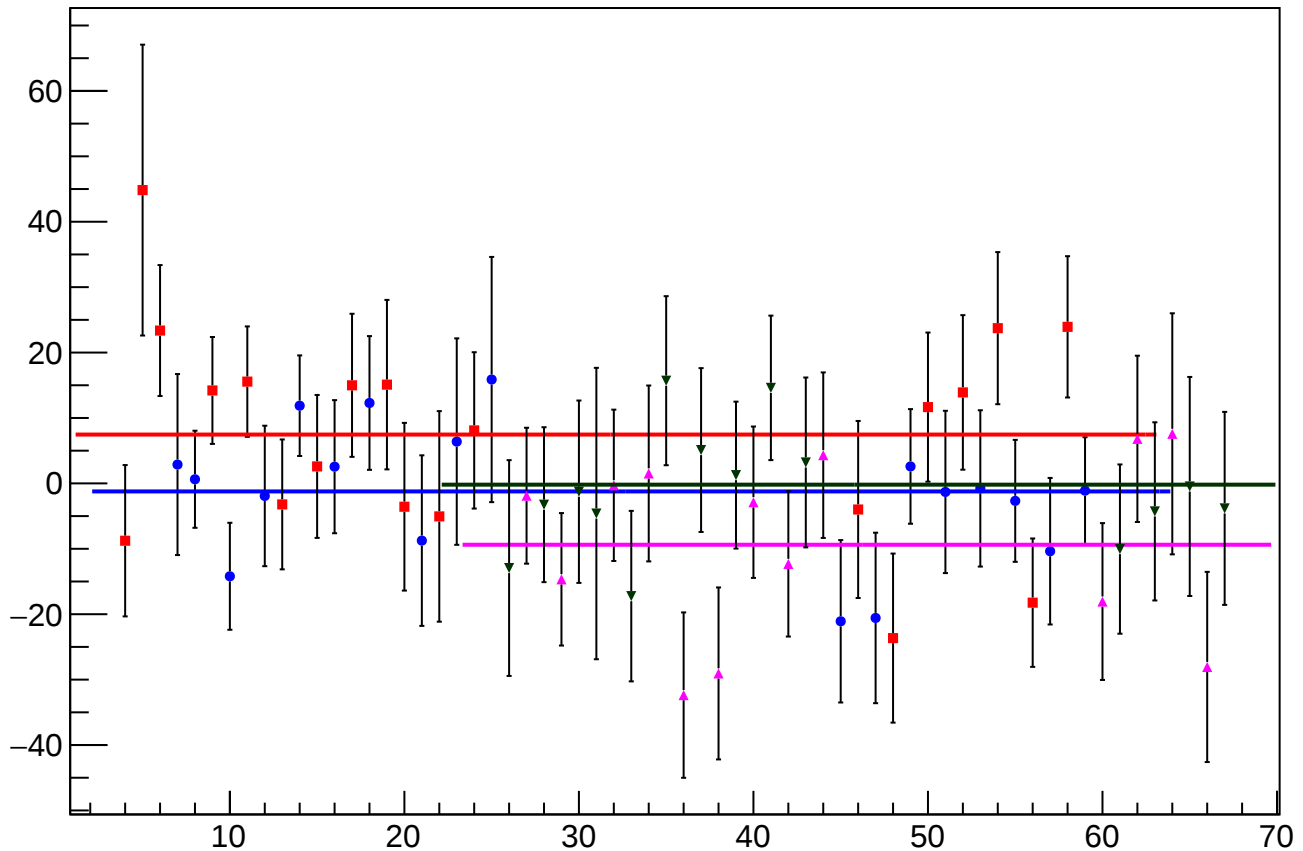
76.040+/-0.063 χ^2/NDF : 34329795.6/31

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

3421.843+/-0.622 χ^2/NDF : 4517464.5/31

Left In: 4267.170+/-1.127 χ^2/NDF : 825183.6/12

diff_bpm1X_mean vs slug



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

Left Out: -0.195 ± 3.585 $\chi^2/\text{NDF}: 6.7/13$

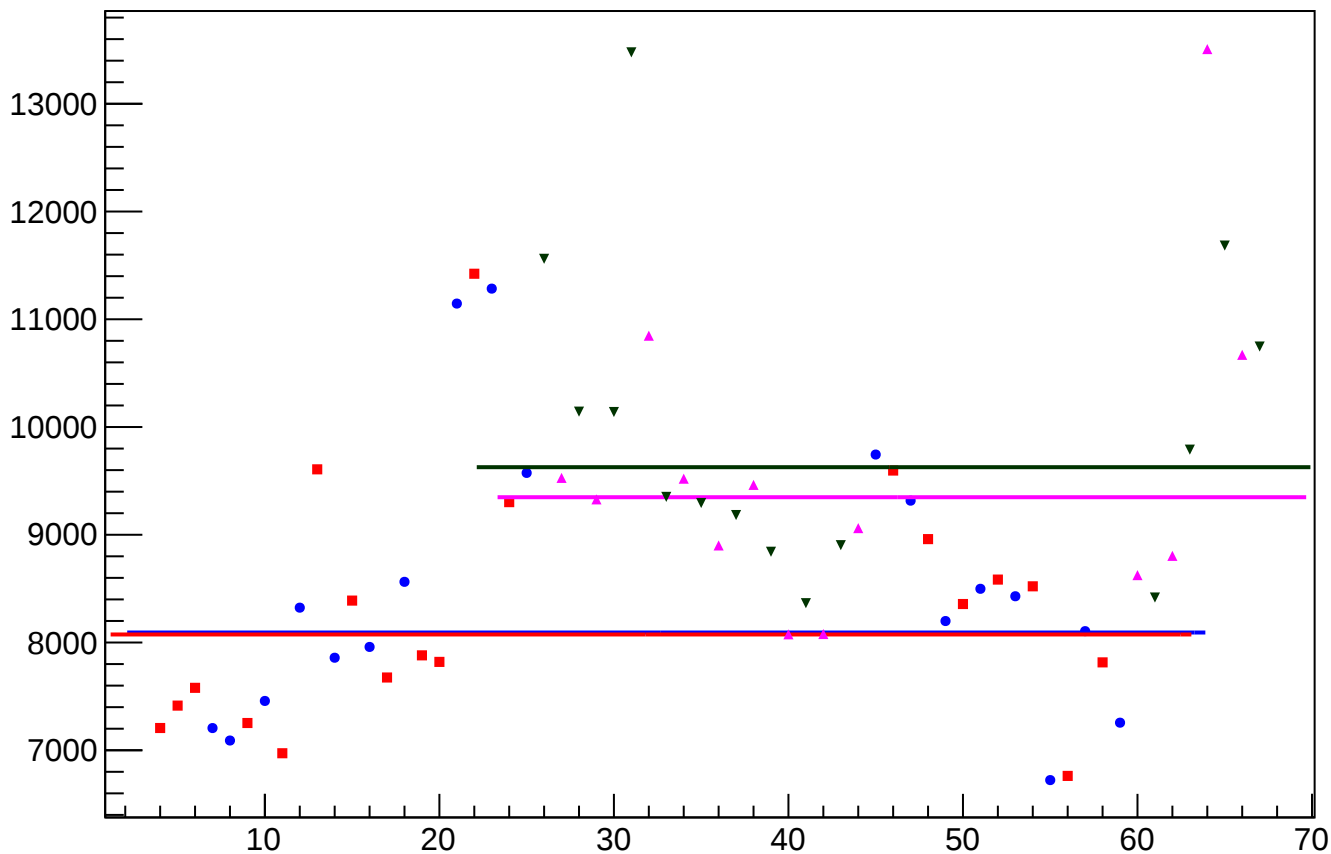
Right Out: 7.465 ± 2.574 $\chi^2/\text{NDF}: 30.5/18$

Left In: -9.380 ± 3.396 $\chi^2/\text{NDF}: 13.8/12$

-0.903 ± 2.012 $\chi^2/\text{NDF}: 21.3/31$

1.319 ± 2.051 $\chi^2/\text{NDF}: 60.0/31$

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

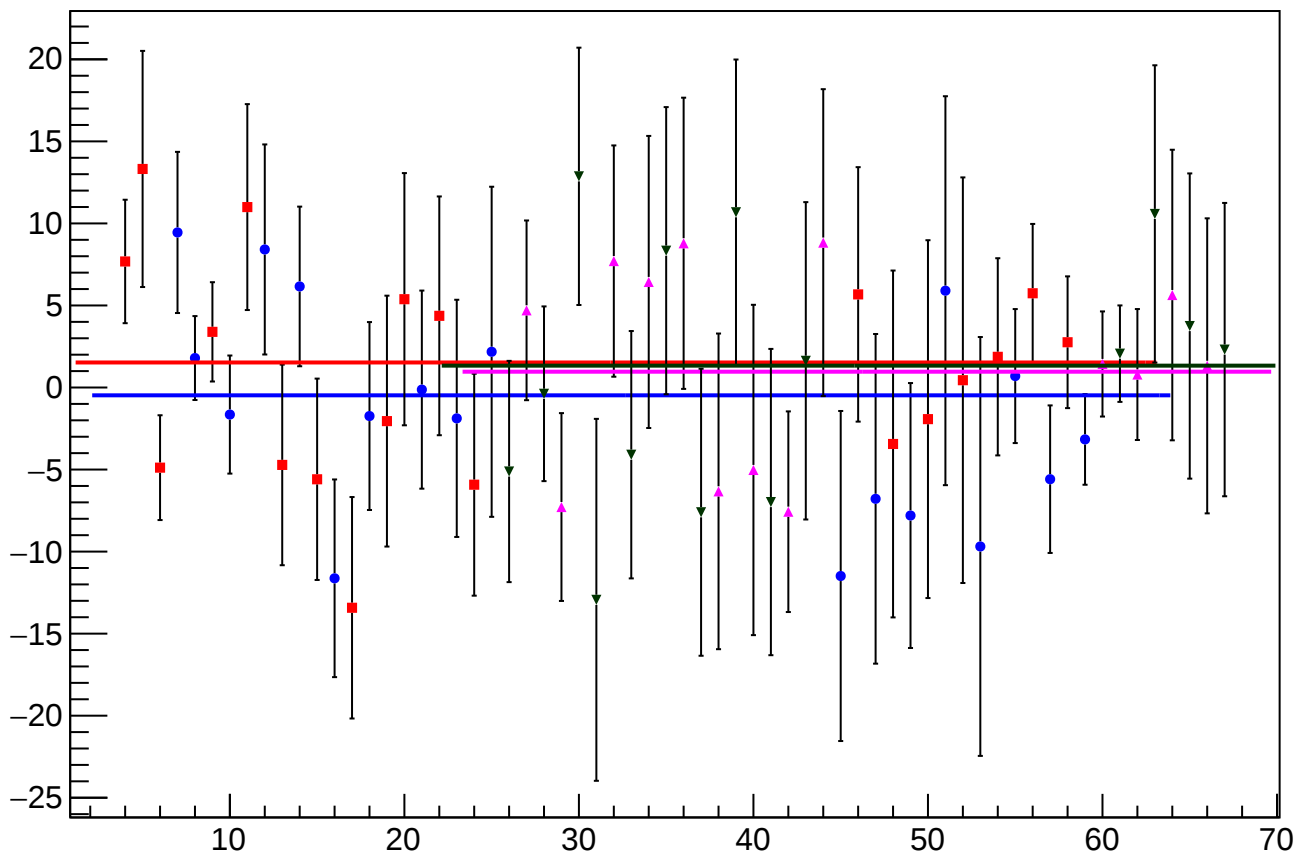
Right Out: 8074.654 $\pm$ 1.820 χ^2 /NDF: 312658.9/18

Left In: 9348.534 $\pm$ 2.401 χ^2 /NDF: 217902.1/12

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

8539.460 $\pm$ 1.450 χ^2 /NDF: 709320.7/31

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

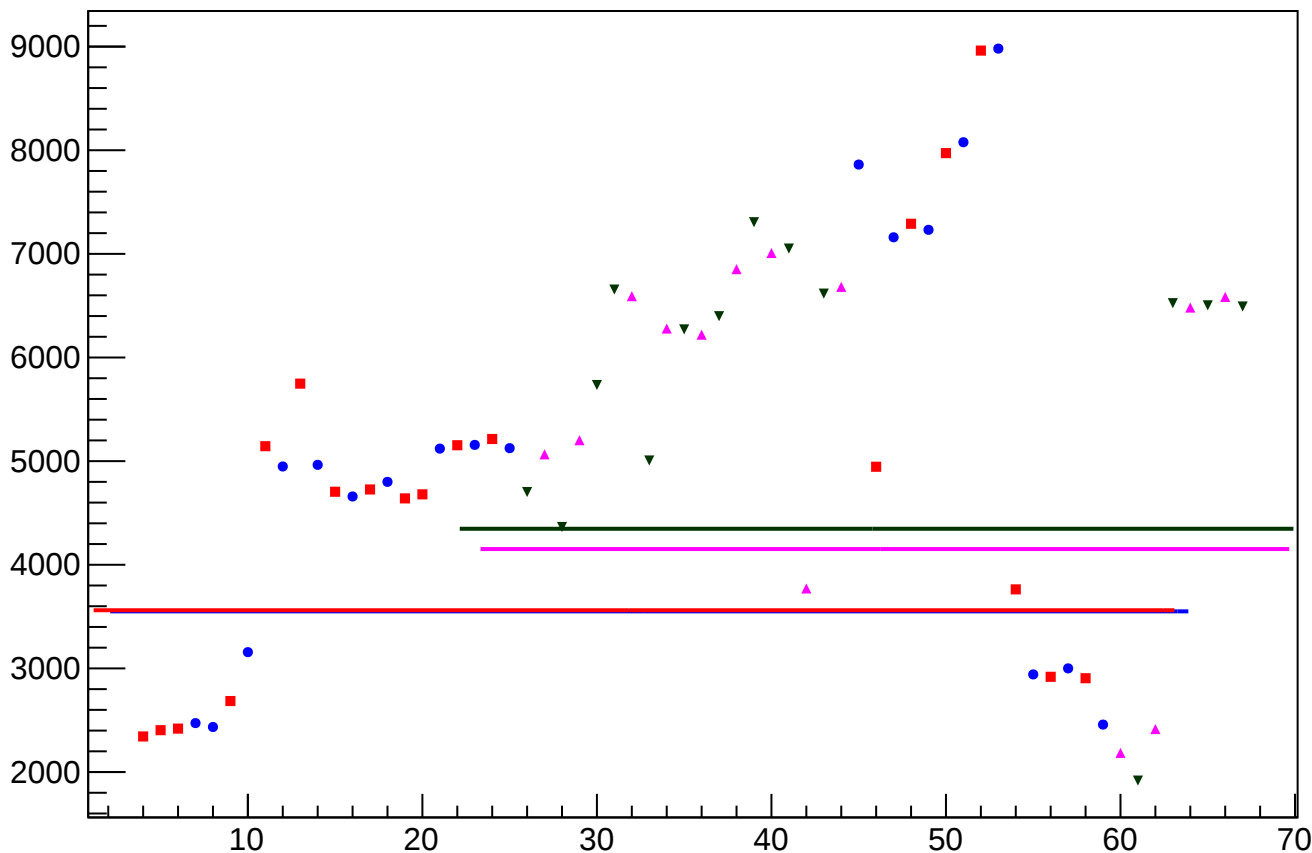
Right Out: 1.525 ± 1.232 χ^2/NDF : 22.9/18

Left In: 0.963 ± 1.682 χ^2/NDF : 8.5/12

0.058 ± 0.975 χ^2/NDF : 28.7/31

1.329 ± 0.994 χ^2/NDF : 31.5/31

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

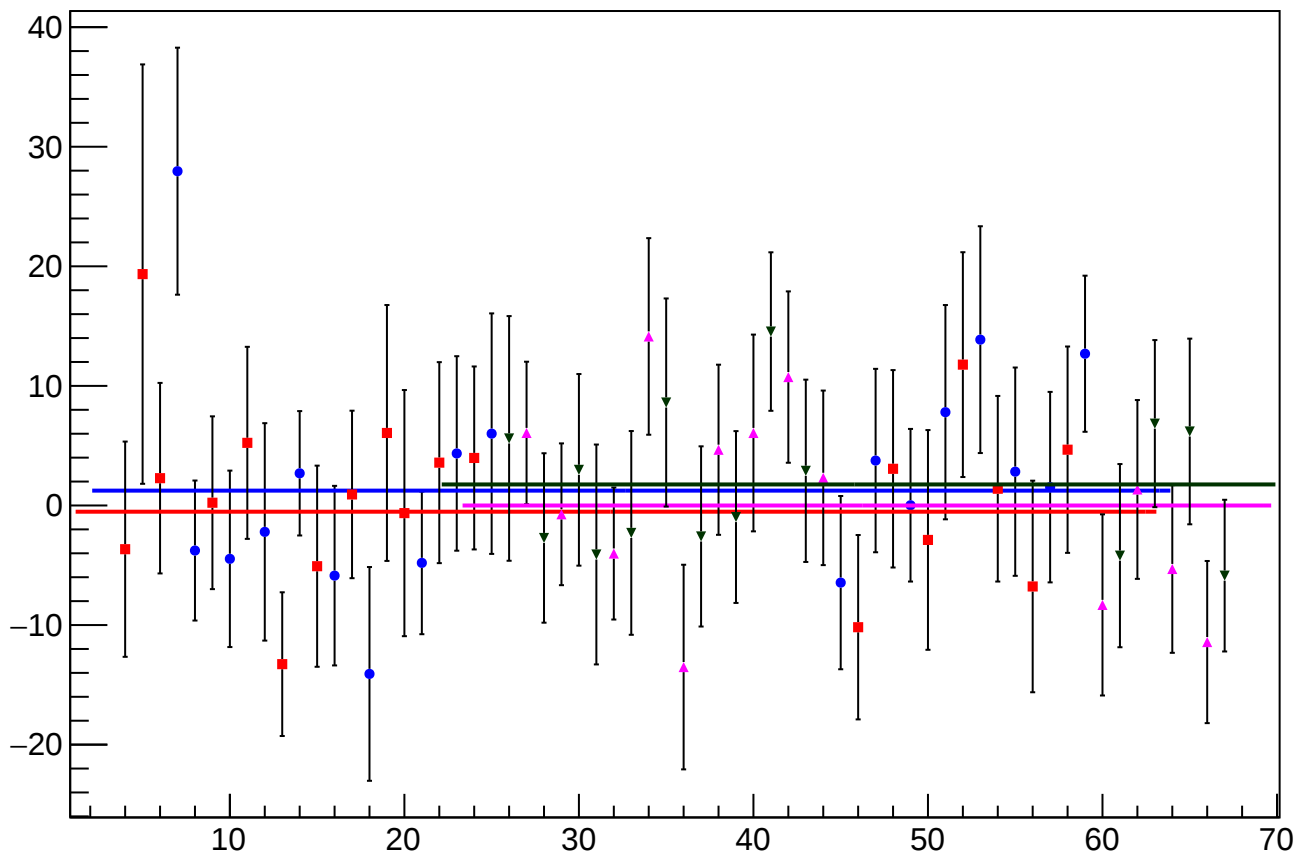
Right Out: 3561.233+/-0.871 χ^2/NDF : 2618224.4/18

Left In: 4151.796+/-1.189 χ^2/NDF : 2476657.8/12

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

3767.443+/-0.703 χ^2/NDF : 5255400.9/31

diff_bpm11X_mean vs slug



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

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

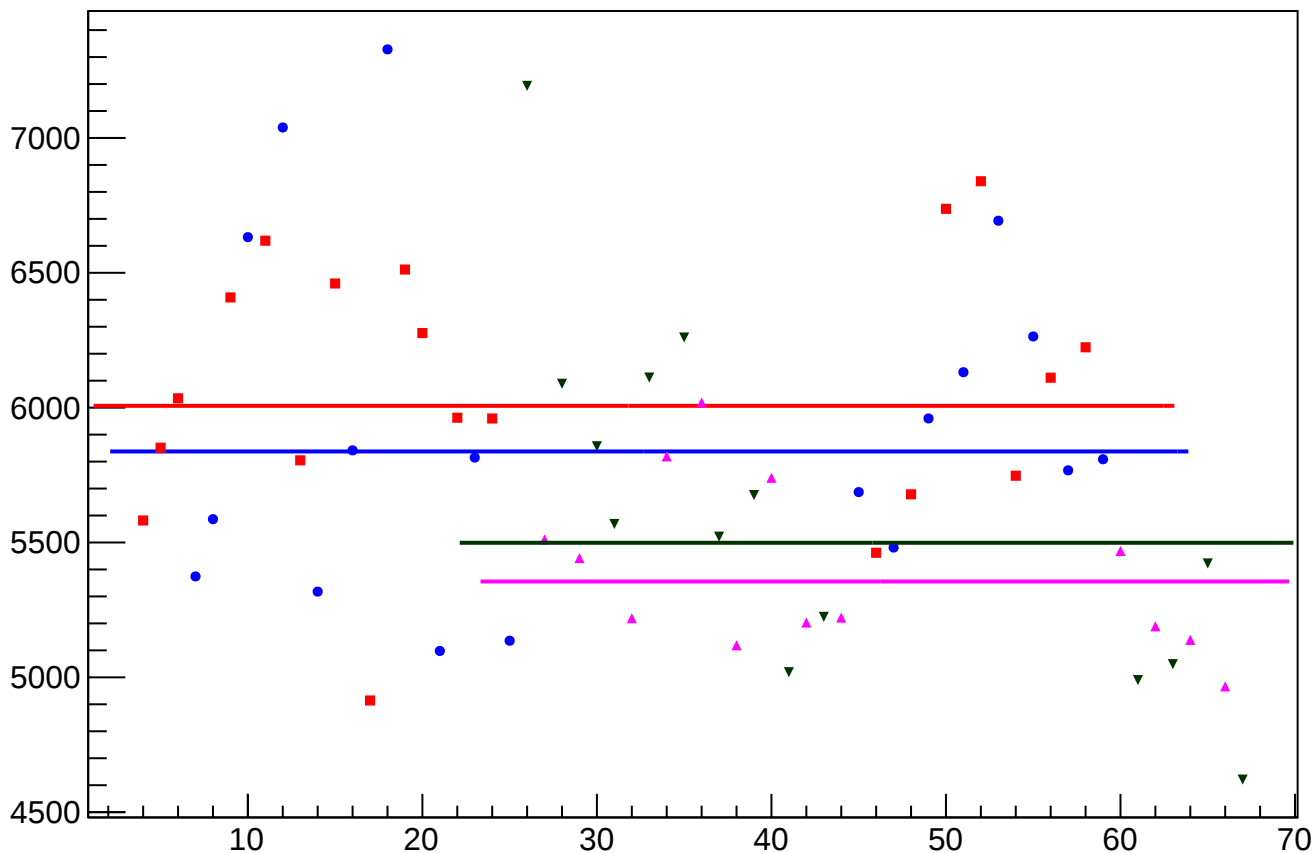
Right Out: -0.521 ± 1.907 $\chi^2/\text{NDF}: 12.3/18$

Left In: -0.003 ± 1.931 $\chi^2/\text{NDF}: 15.0/12$

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

-0.265 ± 1.357 $\chi^2/\text{NDF}: 27.3/31$

diff_bpm11X_rms vs slug



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

Left Out: 5498.960 $\pm$ 1.444 χ^2 /NDF:168443.9/13

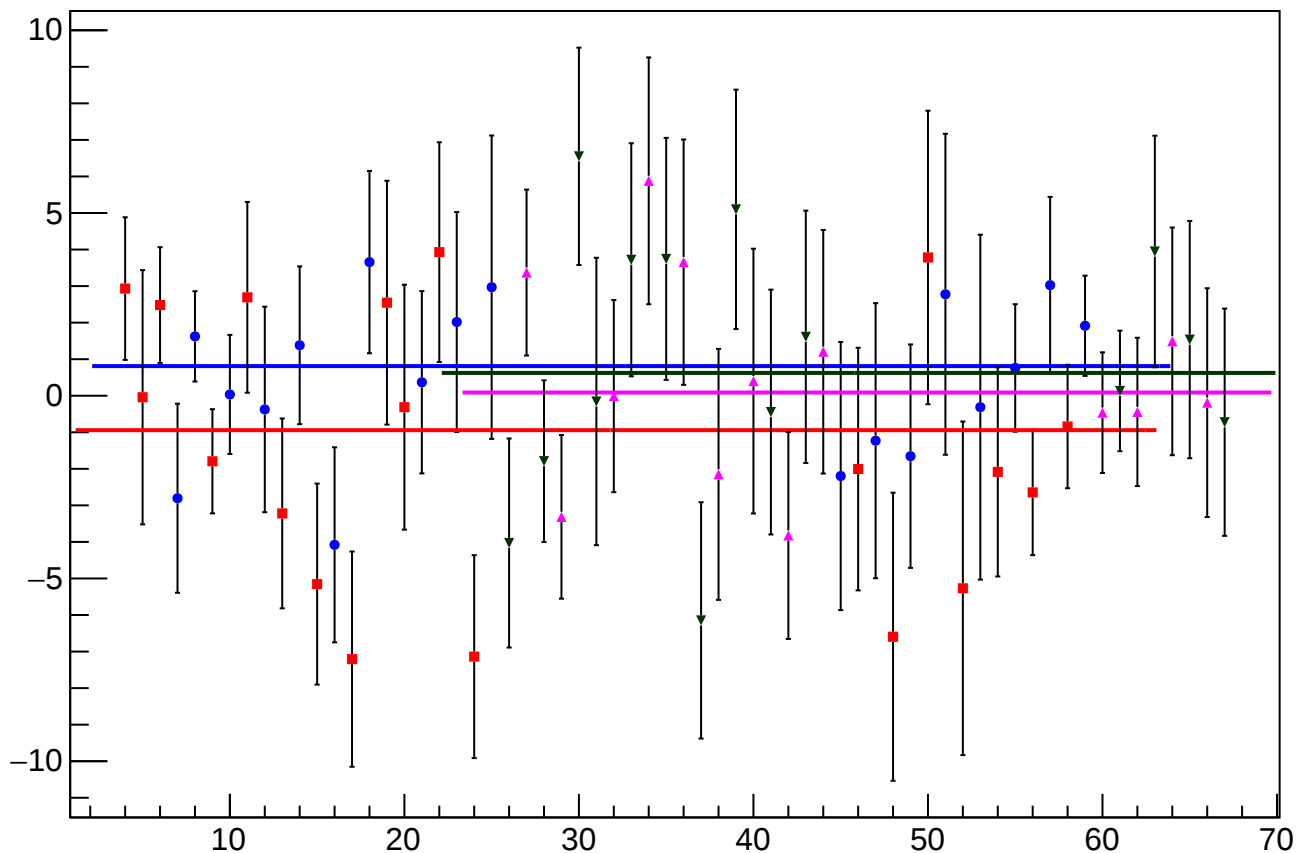
Right Out: 6006.736 $\pm$ 1.348 χ^2 /NDF: 130455.1/18

Left In: 5355.427 $\pm$ 1.366 χ^2 /NDF:39508.6/12

5694.056 $\pm$ 0.940 χ^2 /NDF: 411441.2/31

5685.292 $\pm$ 0.959 χ^2 /NDF: 285162.2/31

diff_bpm11Y_mean vs slug



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

Left Out: 0.624 ± 0.762 χ^2/NDF : 17.6/13

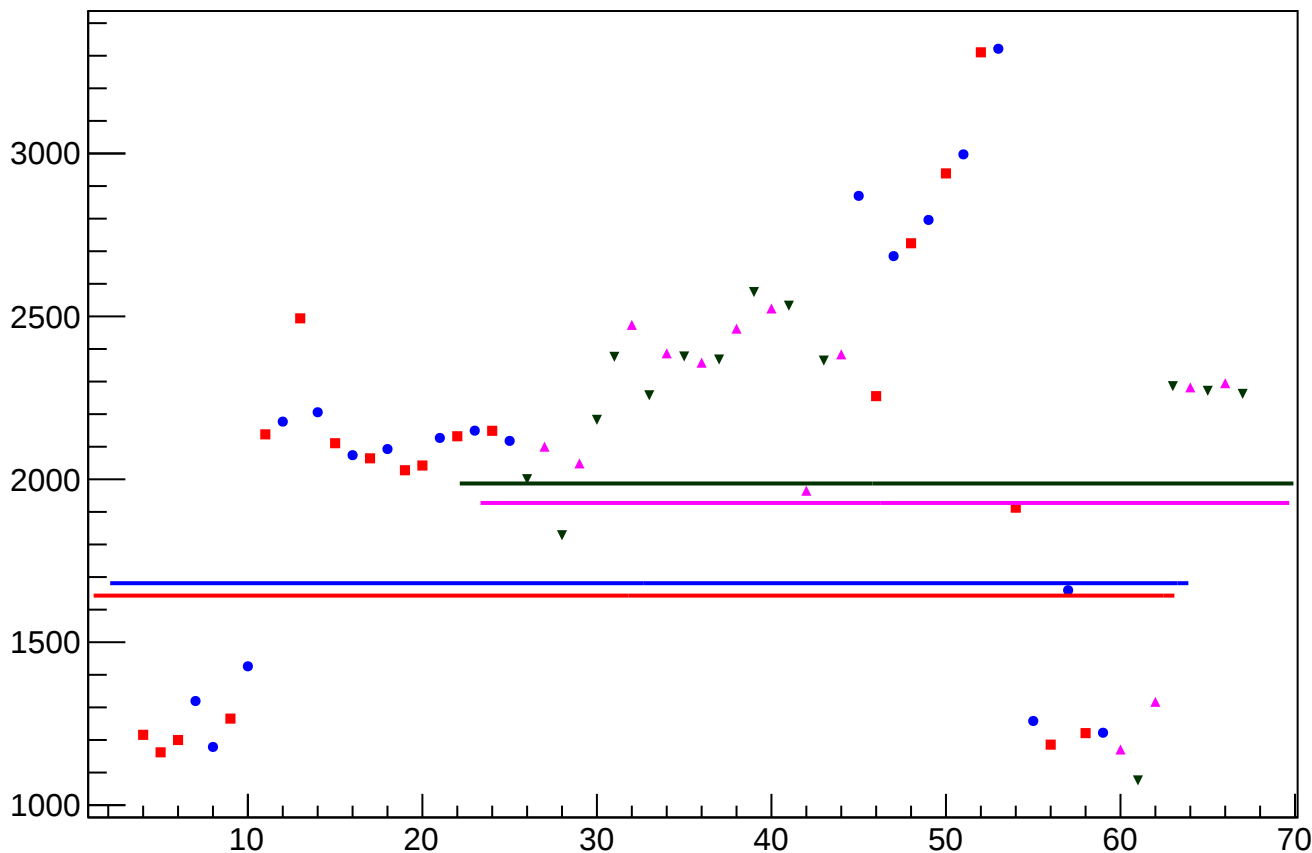
Right Out: -0.942 ± 0.553 χ^2/NDF : 32.9/18

Left In: 0.088 ± 0.724 χ^2/NDF : 11.3/12

0.750 ± 0.436 χ^2/NDF : 29.0/31

-0.563 ± 0.439 χ^2/NDF : 45.5/31

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

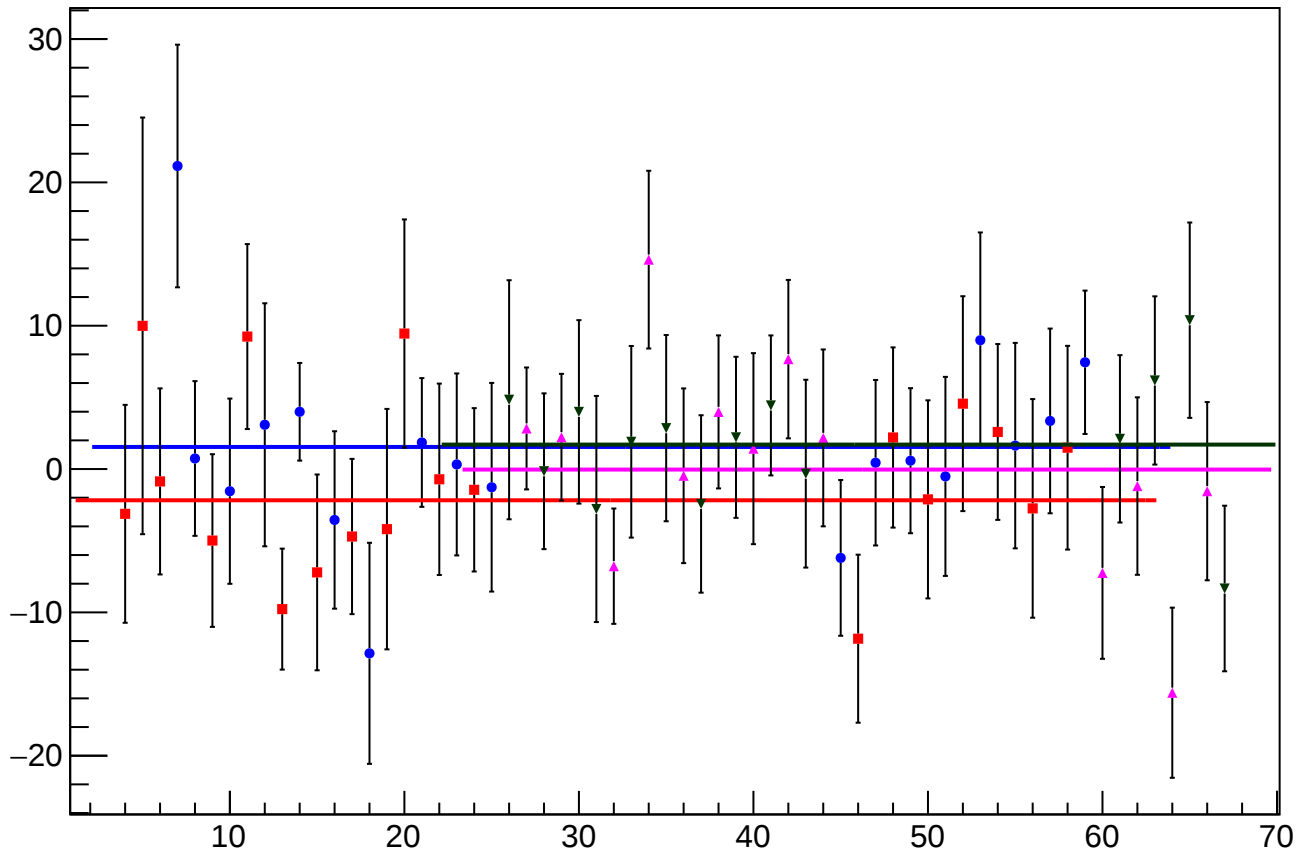
1781.435+/-0.308 χ^2/NDF : 3338975.7/31

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

1747.659+/-0.311 χ^2/NDF : 3133466.9/31

Left In: 1927.409+/-0.512 χ^2/NDF : 969329.8/12

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

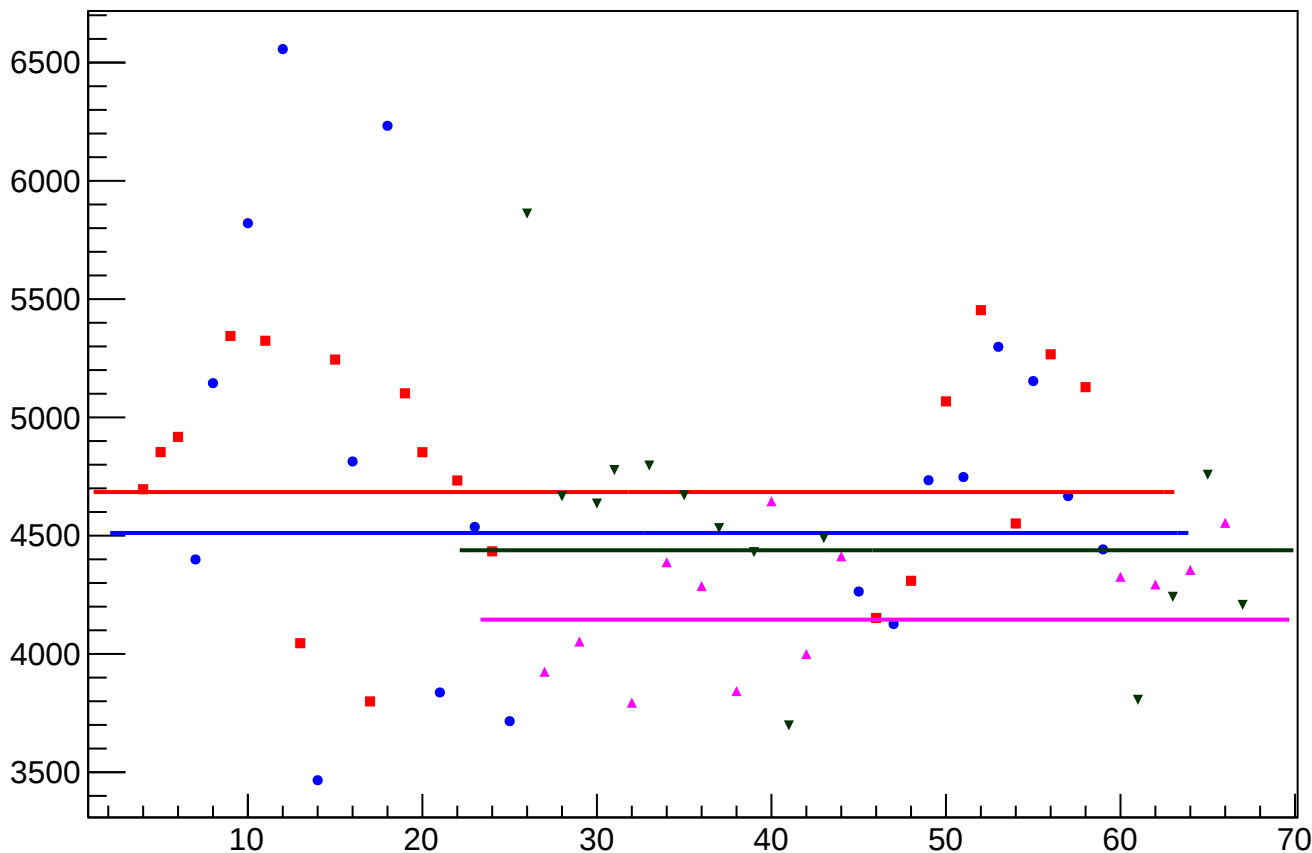
Right Out: -2.180 ± 1.492 χ^2/NDF : 15.2/18

Left In: -0.037 ± 1.497 χ^2/NDF : 20.2/12

1.608 ± 1.053 χ^2/NDF : 22.0/31

-1.112 ± 1.057 χ^2/NDF : 36.5/31

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

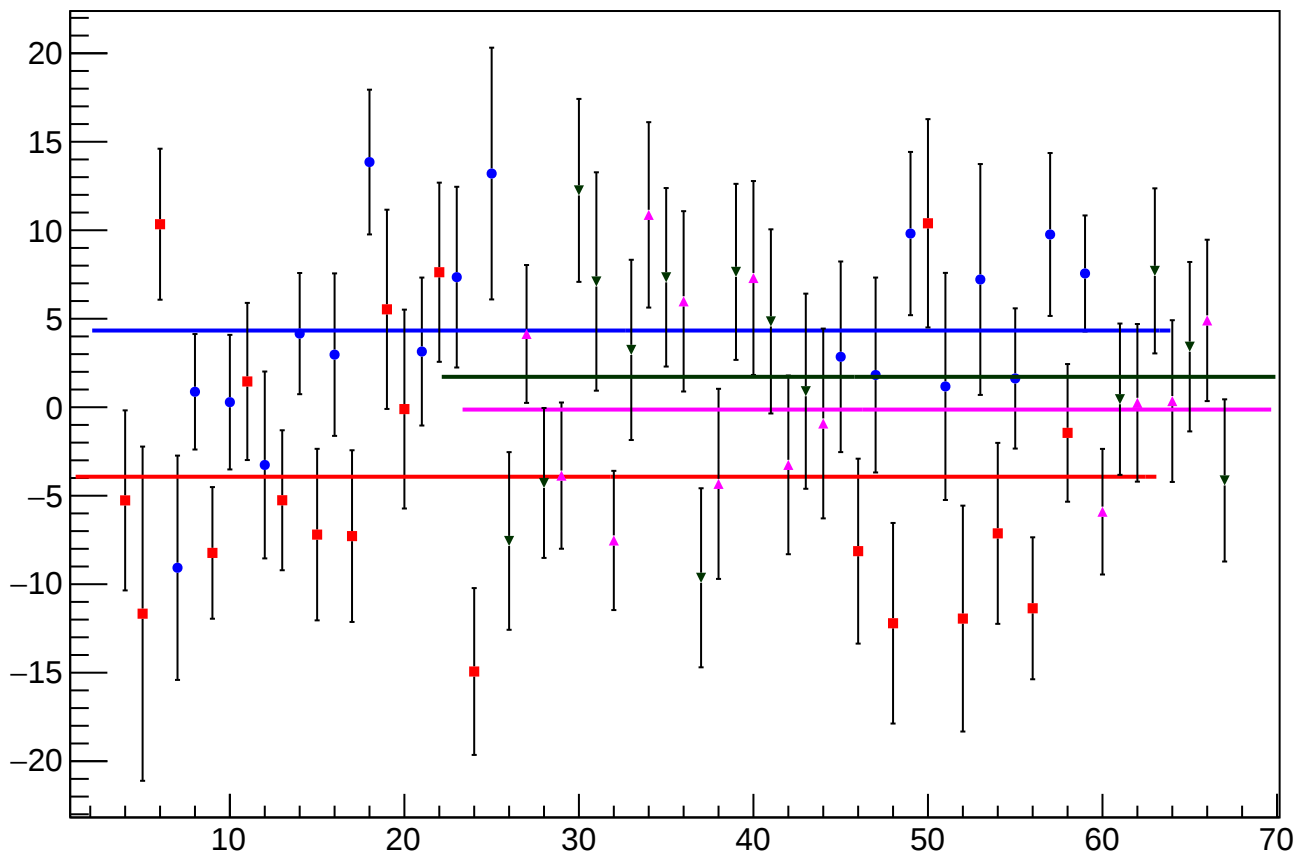
4481.632+/-0.745 χ^2/NDF : 804824.3/31

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

4415.586+/-0.747 χ^2/NDF : 433041.8/31

Left In: 4144.986+/-1.059 χ^2/NDF : 62619.6/12

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

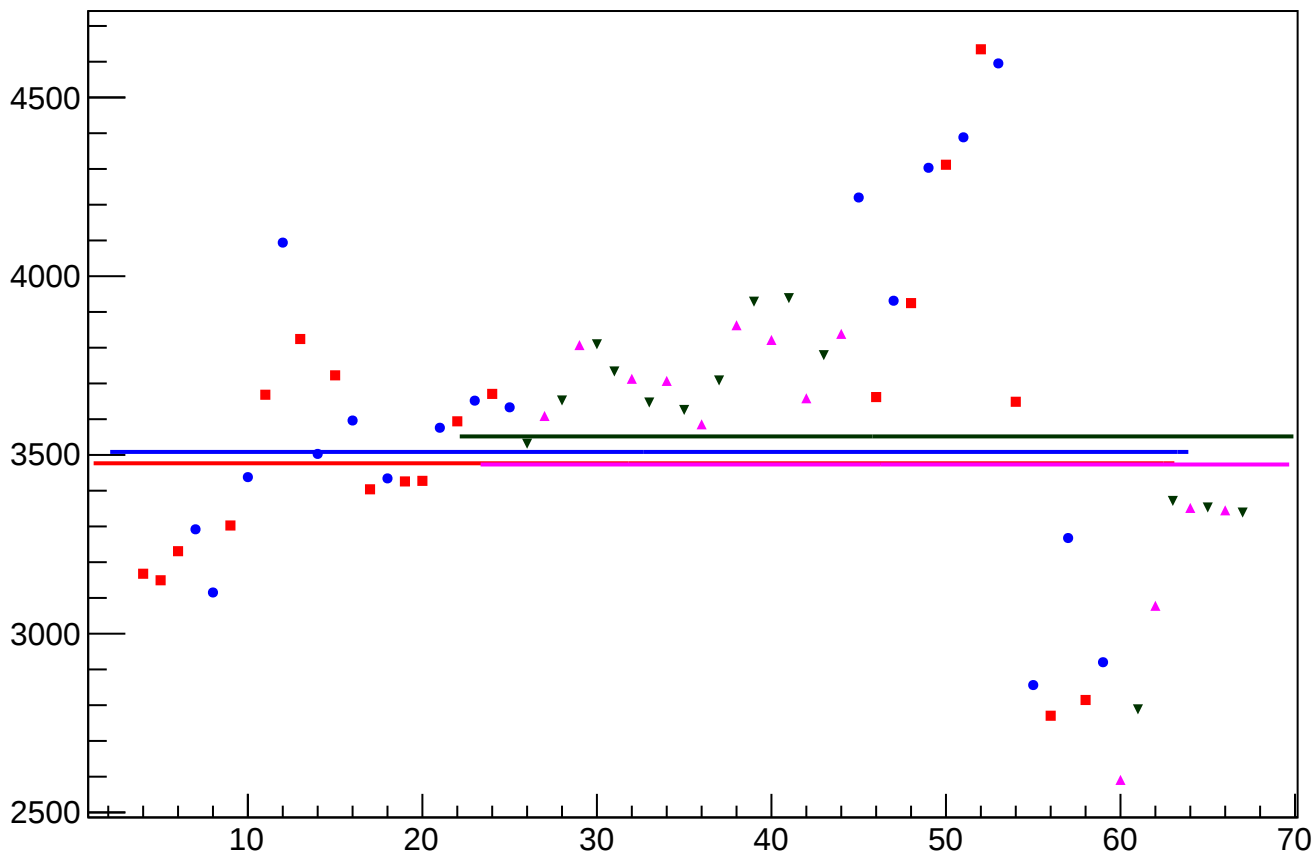
Right Out: -3.927 ± 1.110 χ^2/NDF : 44.2/18

Left In: -0.133 ± 1.258 χ^2/NDF : 18.1/12

3.309 ± 0.823 χ^2/NDF : 45.7/31

-2.266 ± 0.832 χ^2/NDF : 67.5/31

diff_bpm12Y_rms vs slug



Right In: 3508.449+/-0.746 χ^2/NDF : 384135.9/17

Left Out: 3551.817+/-0.930 χ^2/NDF :111418.5/13

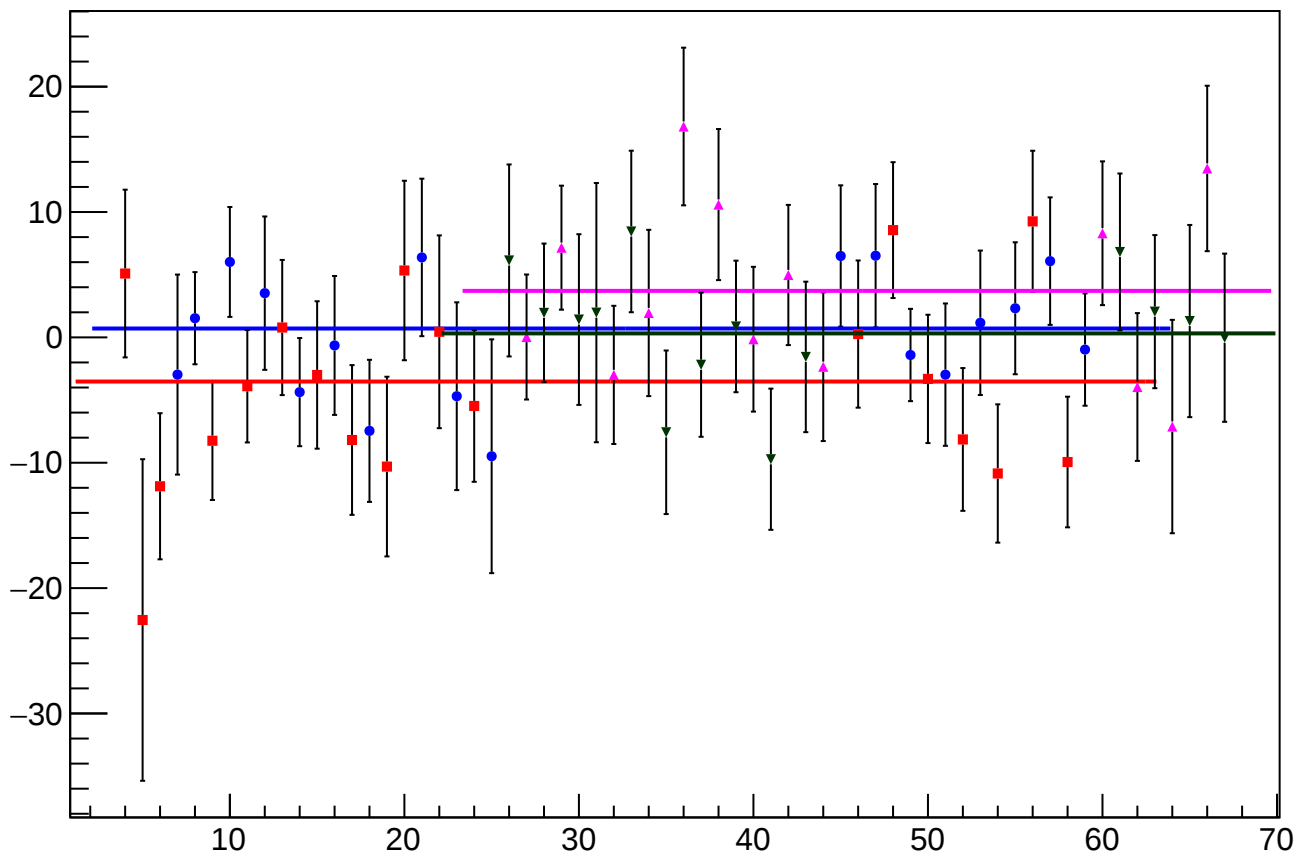
Right Out: 3476.662+/-0.785 χ^2/NDF : 293750.8/18

Left In: 3473.284+/-0.890 χ^2/NDF :200847.0/12

3525.437+/-0.582 χ^2/NDF : 496877.6/31

3475.184+/-0.588 χ^2/NDF : 494605.9/31

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

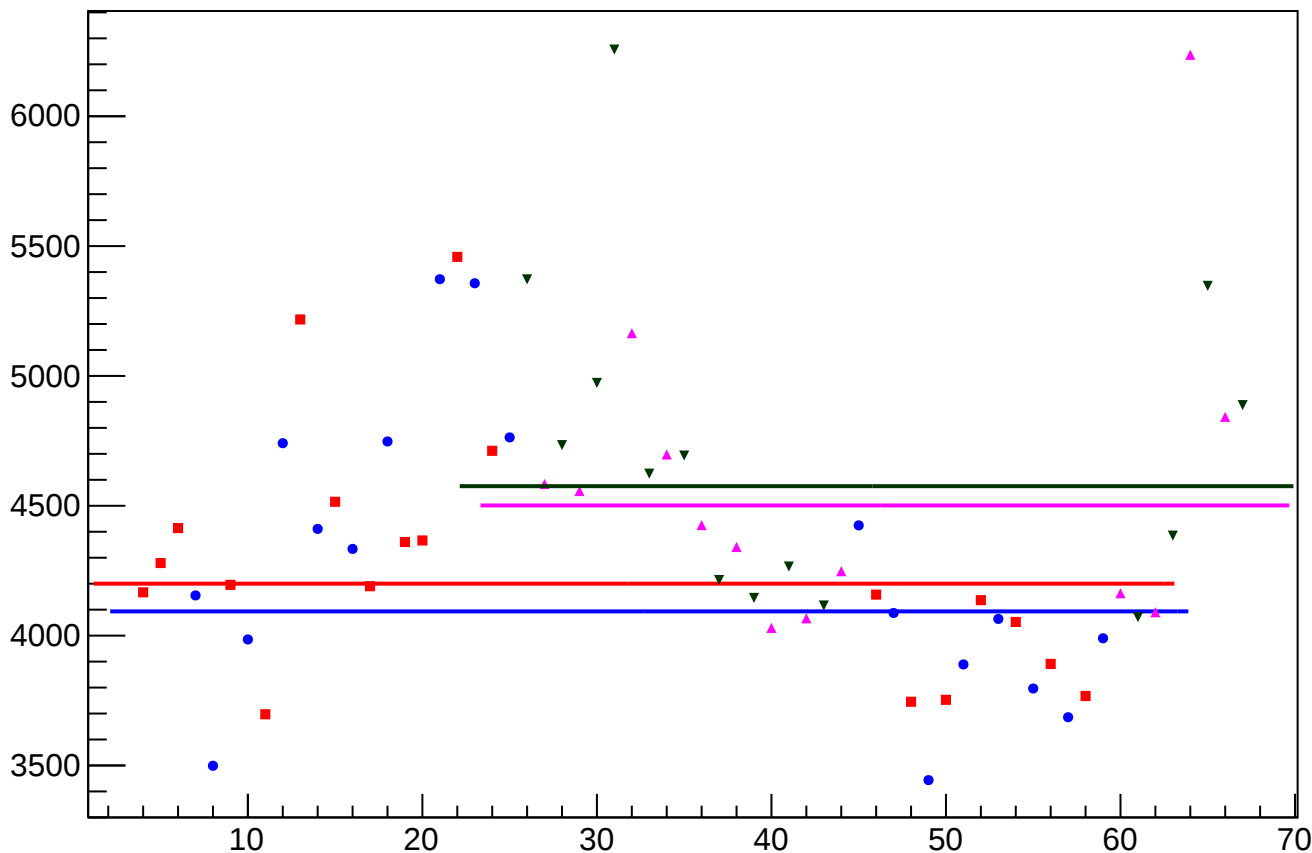
Right Out: -3.522 ± 1.336 χ^2/NDF : 25.4/18

Left In: 3.710 ± 1.631 χ^2/NDF : 15.9/12

0.574 ± 0.996 χ^2/NDF : 20.6/31

-0.618 ± 1.033 χ^2/NDF : 53.1/31

diff_bpm16X_rms vs slug



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

Left Out: 4575.514 $\pm$ 1.203 χ^2 /NDF:162373.4/13

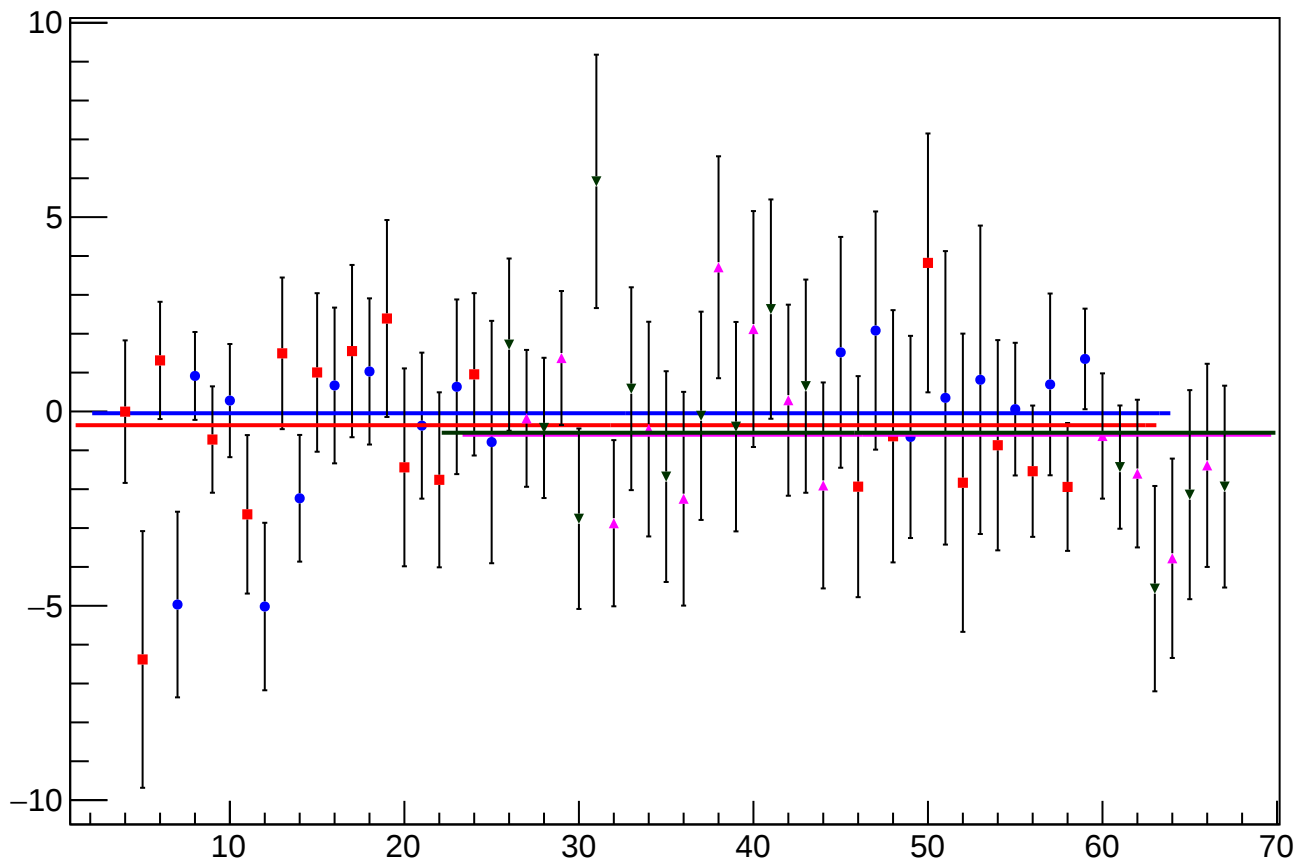
Right Out: 4200.125 $\pm$ 0.945 χ^2 /NDF: 225858.3/18

Left In: 4501.333 $\pm$ 1.153 χ^2 /NDF:167524.8/12

4258.762 $\pm$ 0.704 χ^2 /NDF: 627680.0/31

4321.077 $\pm$ 0.731 χ^2 /NDF: 434208.4/31

diff_bpm16Y_mean vs slug



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

Left Out: -0.548 ± 0.641 χ^2/NDF : 11.0/13

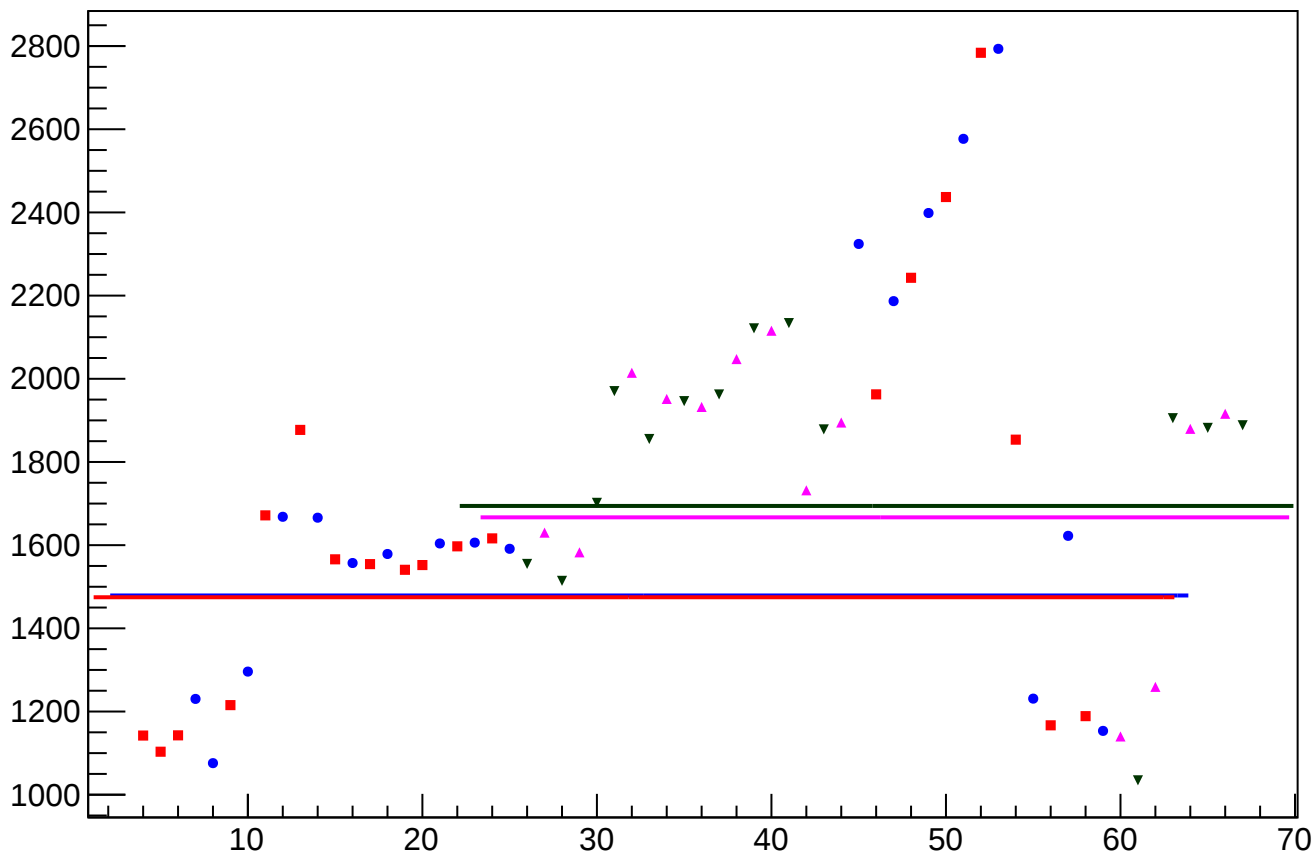
Right Out: -0.354 ± 0.483 χ^2/NDF : 13.6/18

Left In: -0.599 ± 0.615 χ^2/NDF : 8.2/12

-0.216 ± 0.373 χ^2/NDF : 26.3/31

-0.447 ± 0.380 χ^2/NDF : 22.0/31

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

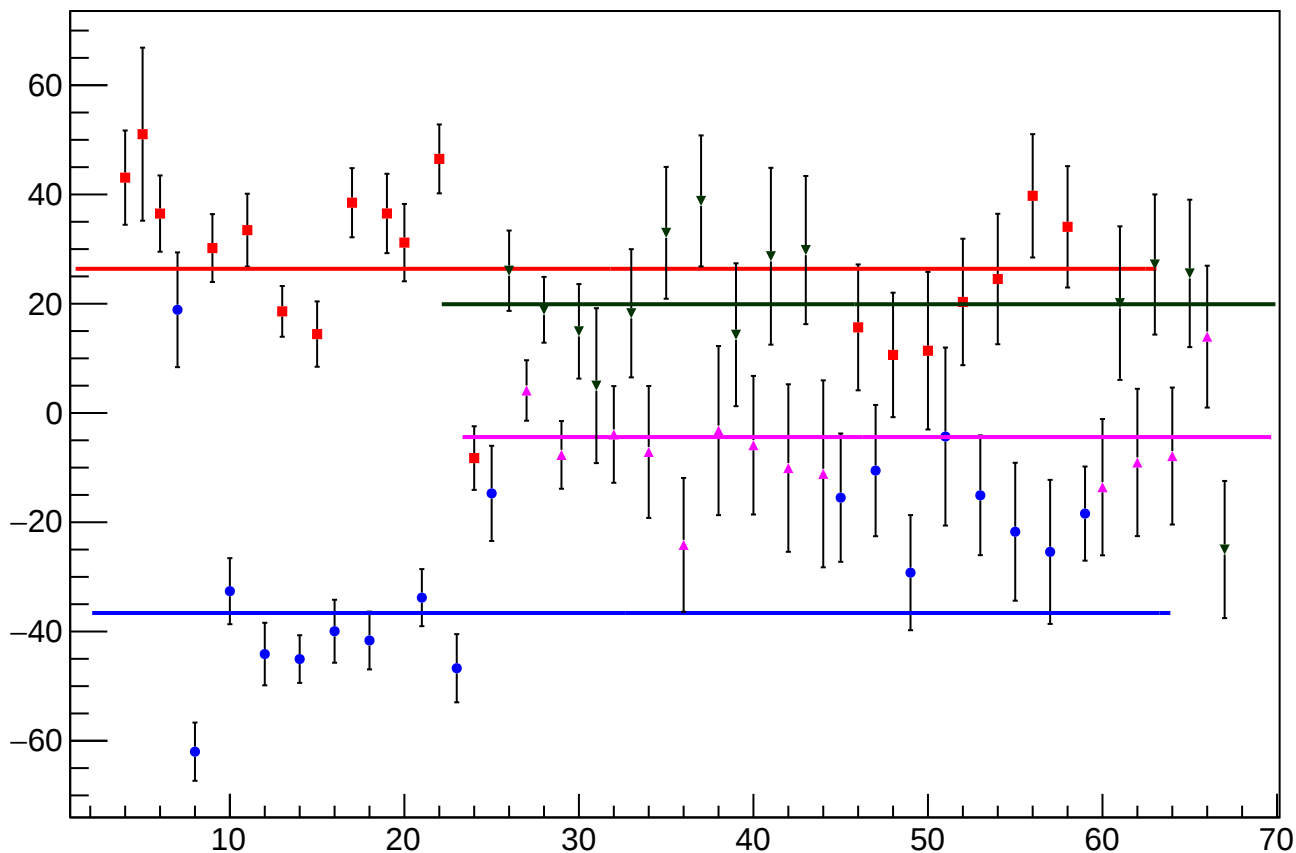
1551.881+/-0.264 χ^2/NDF : 2183485.3/31

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

1548.059+/-0.269 χ^2/NDF : 1777264.3/31

Left In: 1666.876+/-0.435 χ^2/NDF : 531509.0/12

diff_bpm0l01X_mean vs slug



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

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

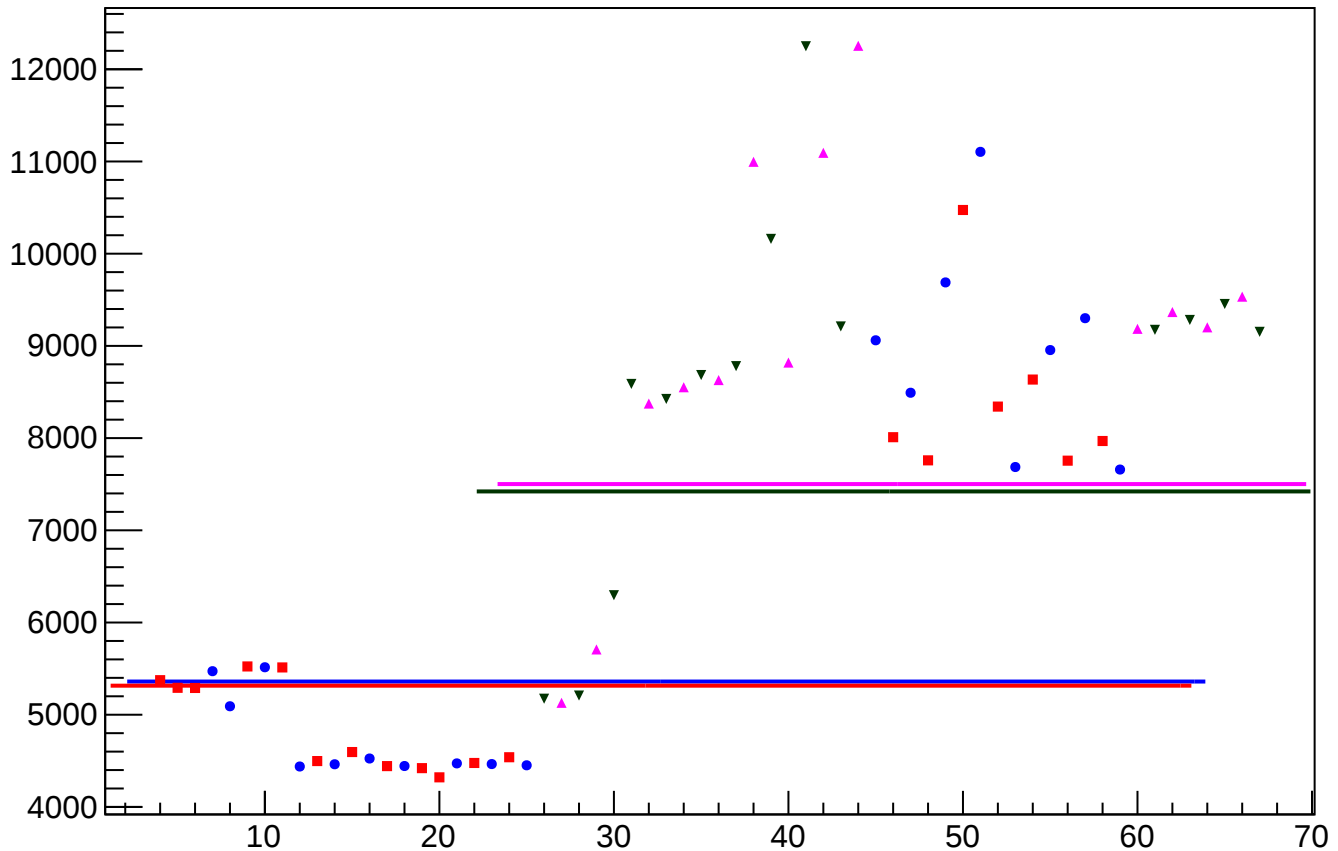
Right Out: 26.394 ± 1.742 $\chi^2/\text{NDF}: 74.2/18$

Left In: -4.406 ± 2.803 $\chi^2/\text{NDF}: 8.4/12$

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

17.814 ± 1.480 $\chi^2/\text{NDF}: 169.7/31$

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

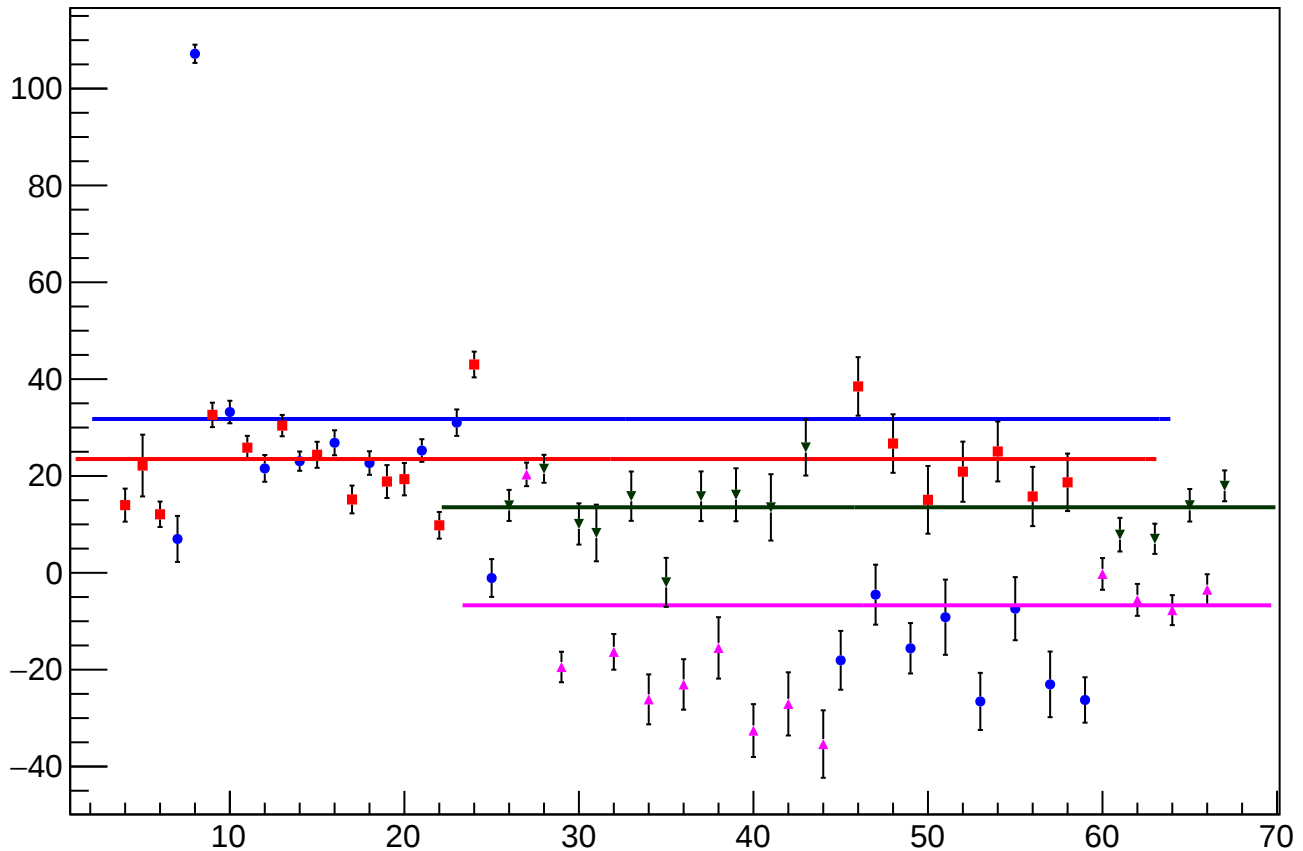
Right Out: 5315.062+/-1.232 χ^2/NDF : 1229938.4/18

Left In: 7501.469+/-1.982 χ^2/NDF :1134456.0/12

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

5924.108+/-1.046 χ^2/NDF : 3242055.4/31

diff_bpm0l01Y_mean vs slug



Right In: 31.767 ± 0.741 $\chi^2/\text{NDF}: 2323.1/17$

Left Out: 13.537 ± 1.069 $\chi^2/\text{NDF}: 32.6/13$

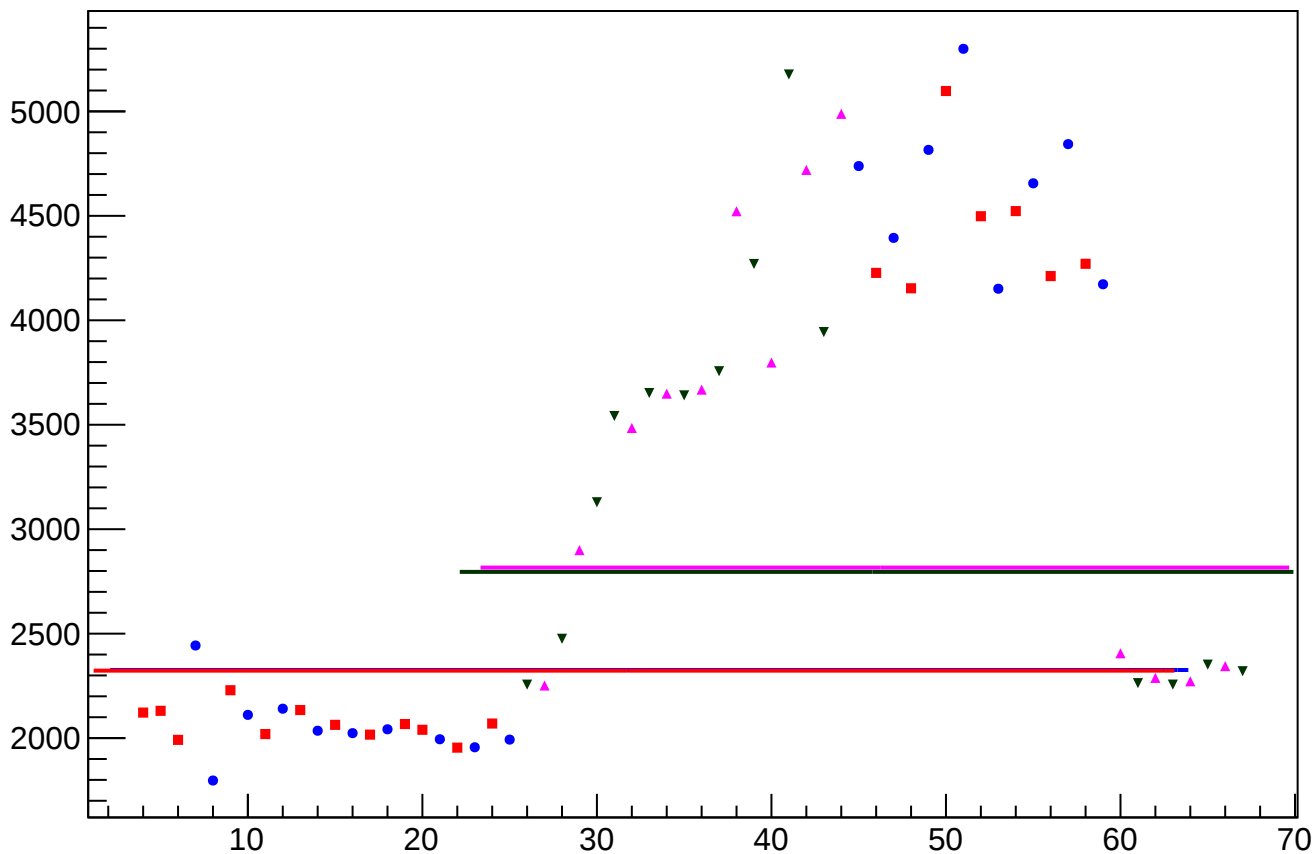
Right Out: 23.500 ± 0.773 $\chi^2/\text{NDF}: 151.3/18$

Left In: -6.708 ± 1.049 $\chi^2/\text{NDF}: 226.6/12$

25.855 ± 0.609 $\chi^2/\text{NDF}: 2552.1/31$

12.882 ± 0.622 $\chi^2/\text{NDF}: 915.2/31$

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

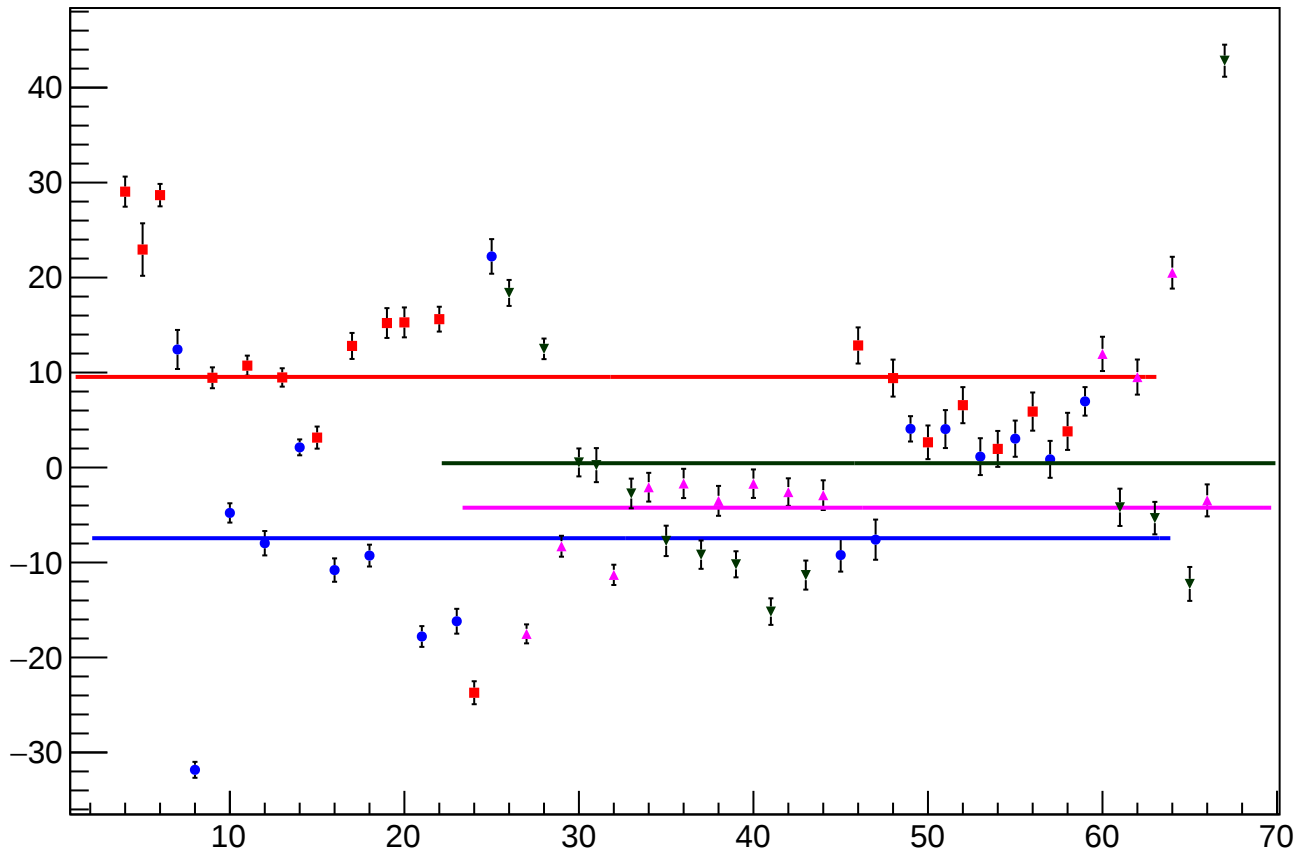
2478.365 $\pm$ 0.431 χ^2 /NDF: 3916935.0/31

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

2496.353 $\pm$ 0.440 χ^2 /NDF: 3140097.8/31

Left In: 2816.352 $\pm$ 0.742 χ^2 /NDF:1042609.2/12

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

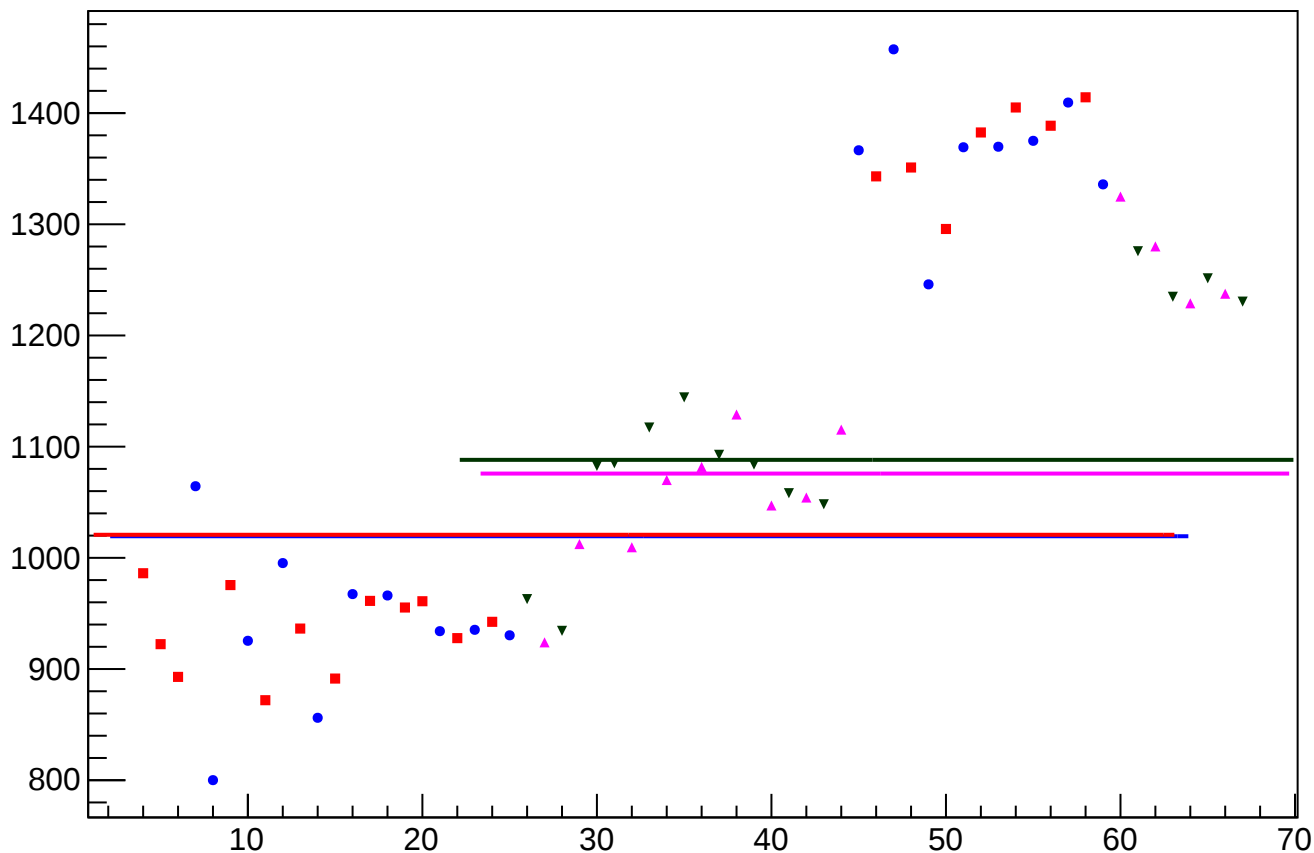
Right Out: 9.540 ± 0.328 χ^2/NDF : 1327.8/18

Left In: -4.232 ± 0.389 χ^2/NDF : 598.4/12

-4.511 ± 0.246 χ^2/NDF : 3303.8/31

3.828 ± 0.251 χ^2/NDF : 2658.9/31

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

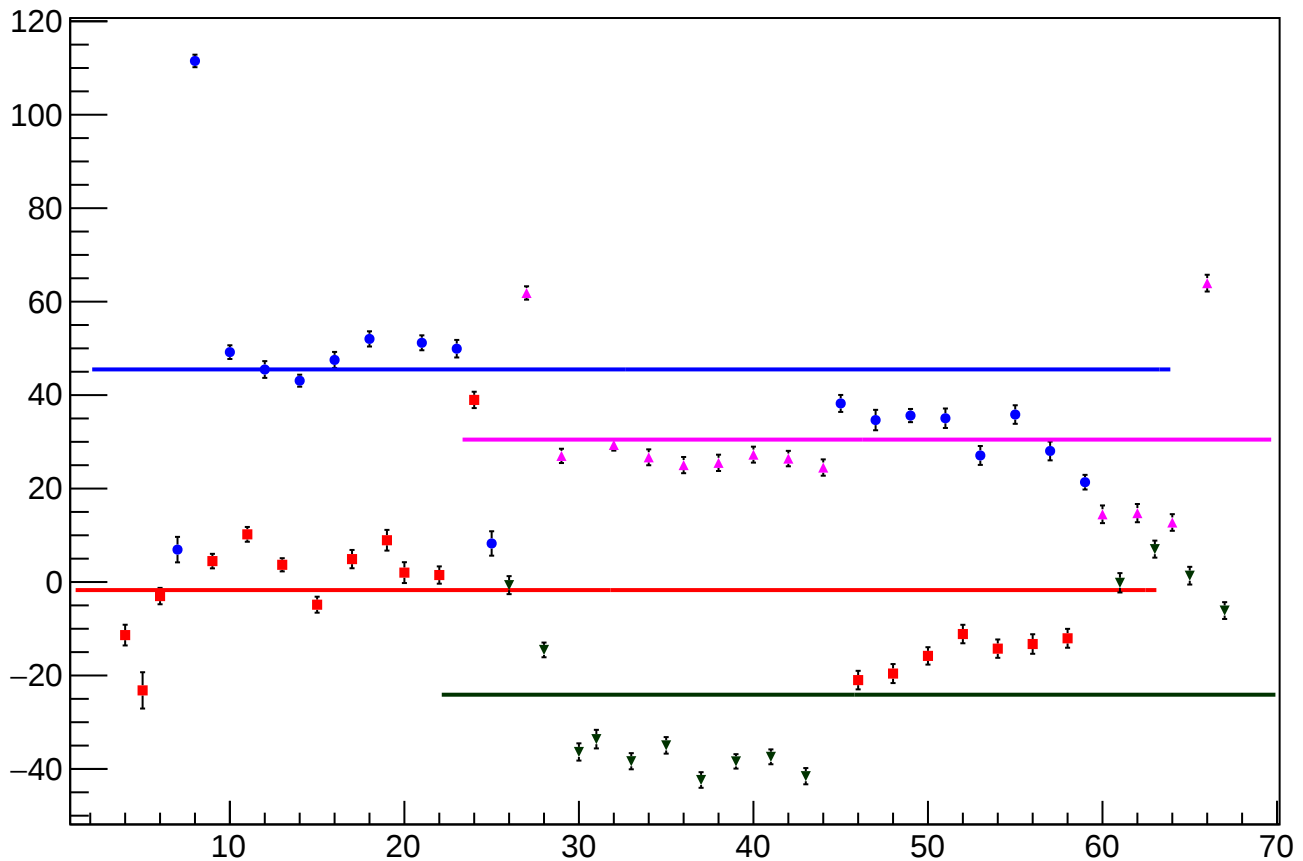
Right Out: 1020.749+/-0.232 χ^2/NDF : 605072.5/18

Left In: 1075.794+/-0.275 χ^2/NDF :162924.2/12

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

1043.577+/-0.177 χ^2/NDF : 791410.7/31

diff_bpm2i01Y_mean vs slug



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

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

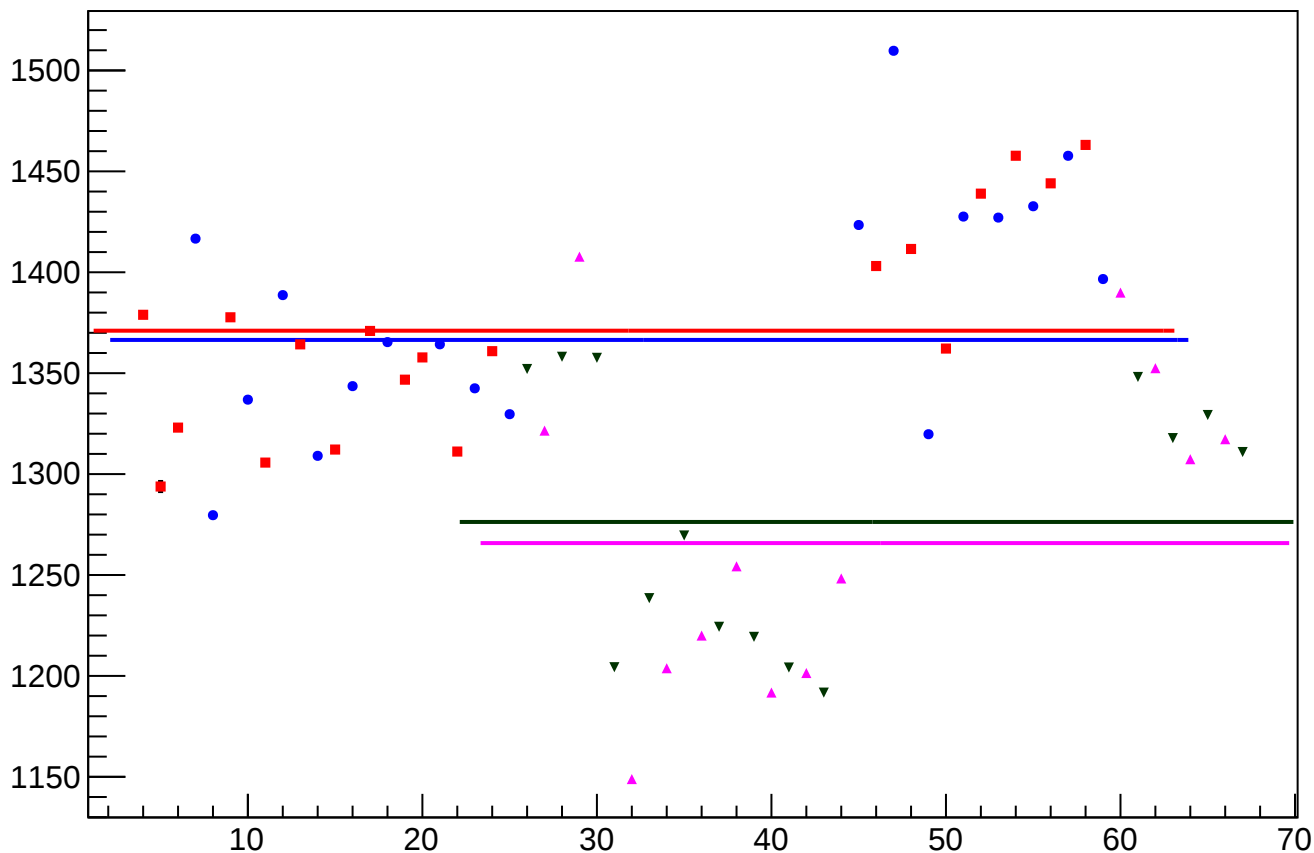
Right Out: -1.724 $\pm$ 0.434 χ^2 /NDF: 1071.7/18

Left In: 30.479 $\pm$ 0.456 χ^2 /NDF:1116.1/12

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

13.575 $\pm$ 0.314 χ^2 /NDF: 4804.3/31

diff_bpm2i01Y_rms vs slug



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

Left Out: 1276.285 $\pm$ 0.333 χ^2 /NDF:35232.4/13

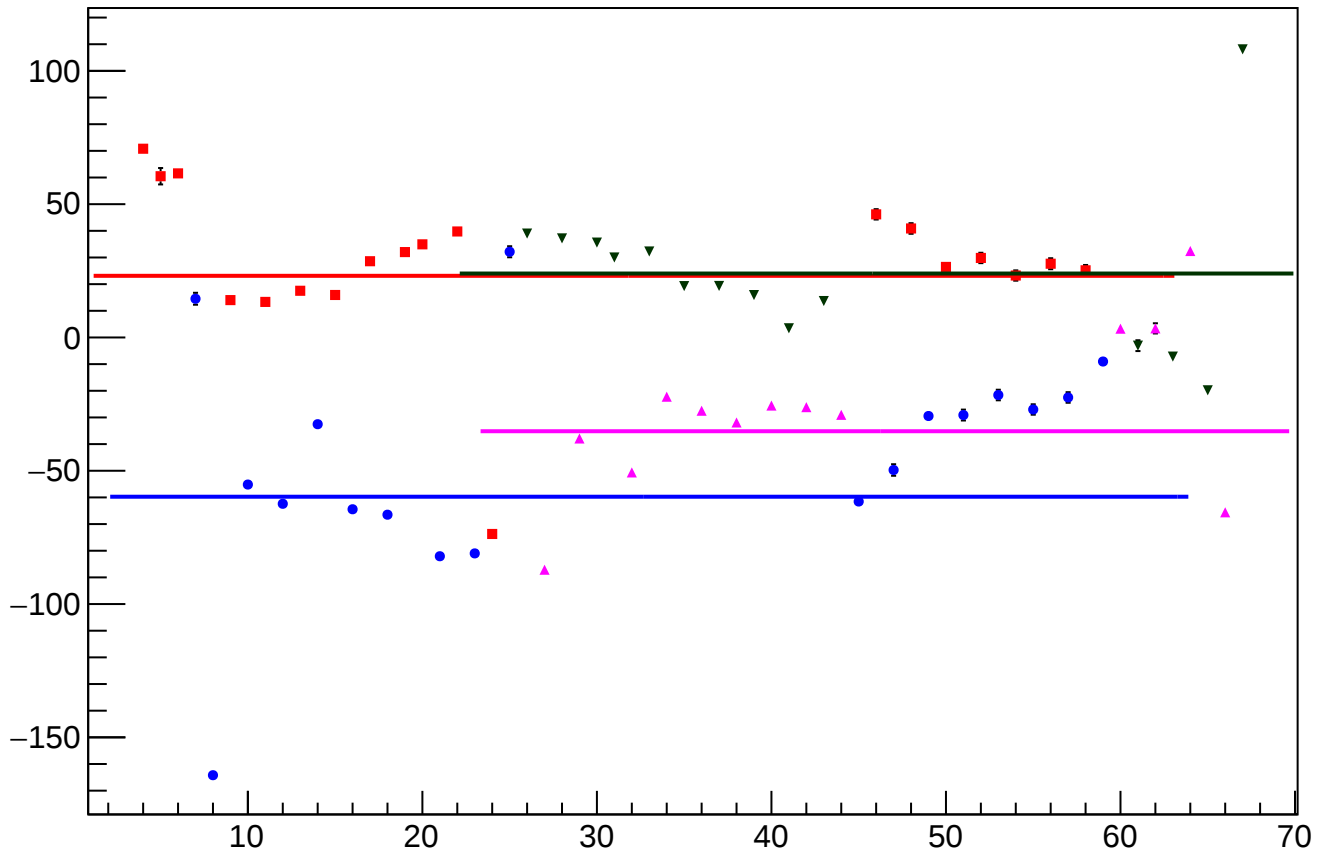
Right Out: 1371.055 $\pm$ 0.307 χ^2 /NDF: 24860.5/18

Left In: 1265.813 $\pm$ 0.323 χ^2 /NDF:65230.4/12

1327.861 $\pm$ 0.218 χ^2 /NDF: 115718.1/31

1321.054 $\pm$ 0.222 χ^2 /NDF: 145981.6/31

diff_bpm2i02X_mean vs slug



Right In: -59.738+/-0.343 χ^2/NDF : 18760.8/17

Left Out: 23.984+/-0.421 χ^2/NDF : 3968.8/13

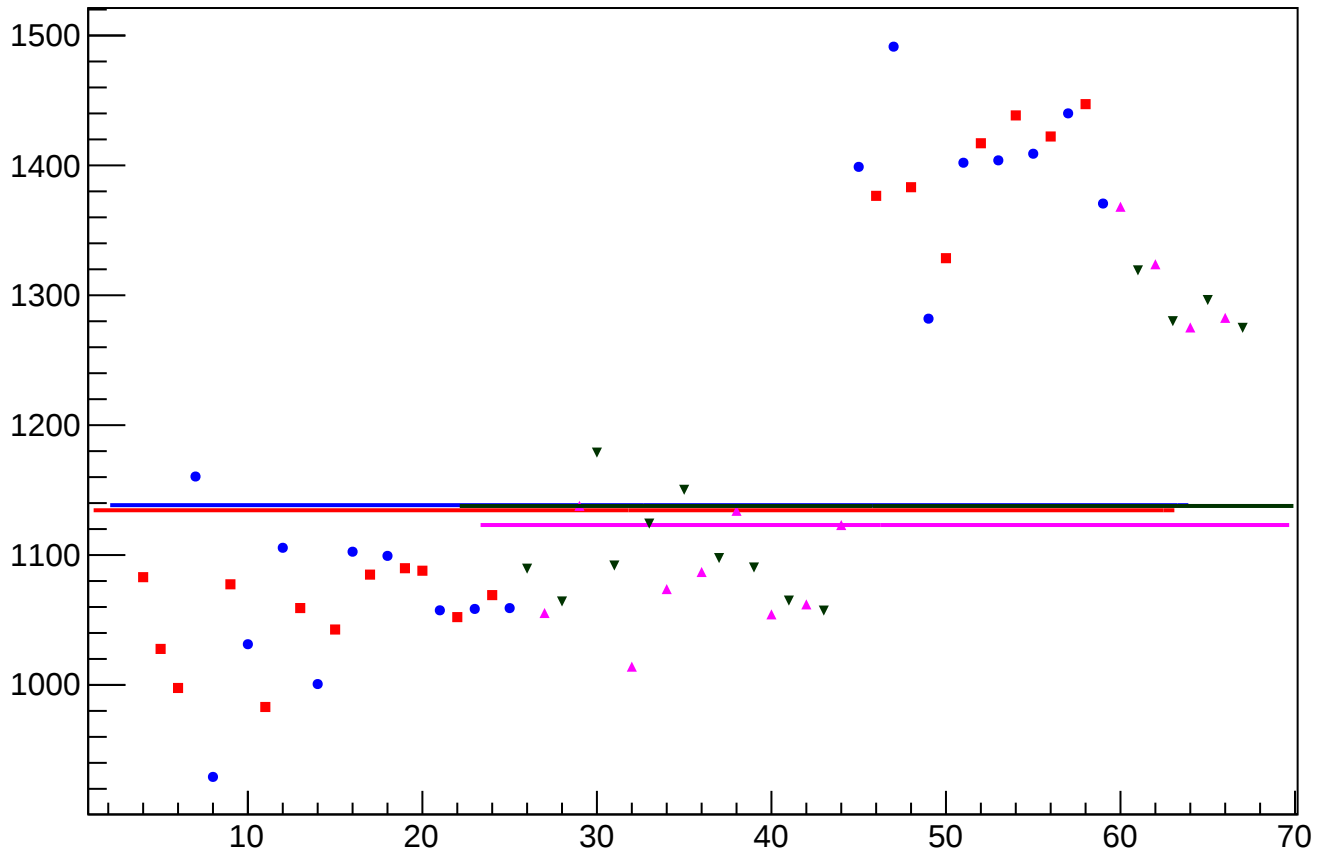
Right Out: 23.126+/-0.362 χ^2/NDF : 7355.2/18

Left In: -35.174+/-0.406 χ^2/NDF : 5133.1/12

-26.327+/-0.266 χ^2/NDF : 46485.9/31

-2.694+/-0.270 χ^2/NDF : 23987.8/31

diff_bpm2i02X_rms vs slug



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

Left Out: 1137.787 $\pm$ 0.298 χ^2 /NDF: 82404.6/13

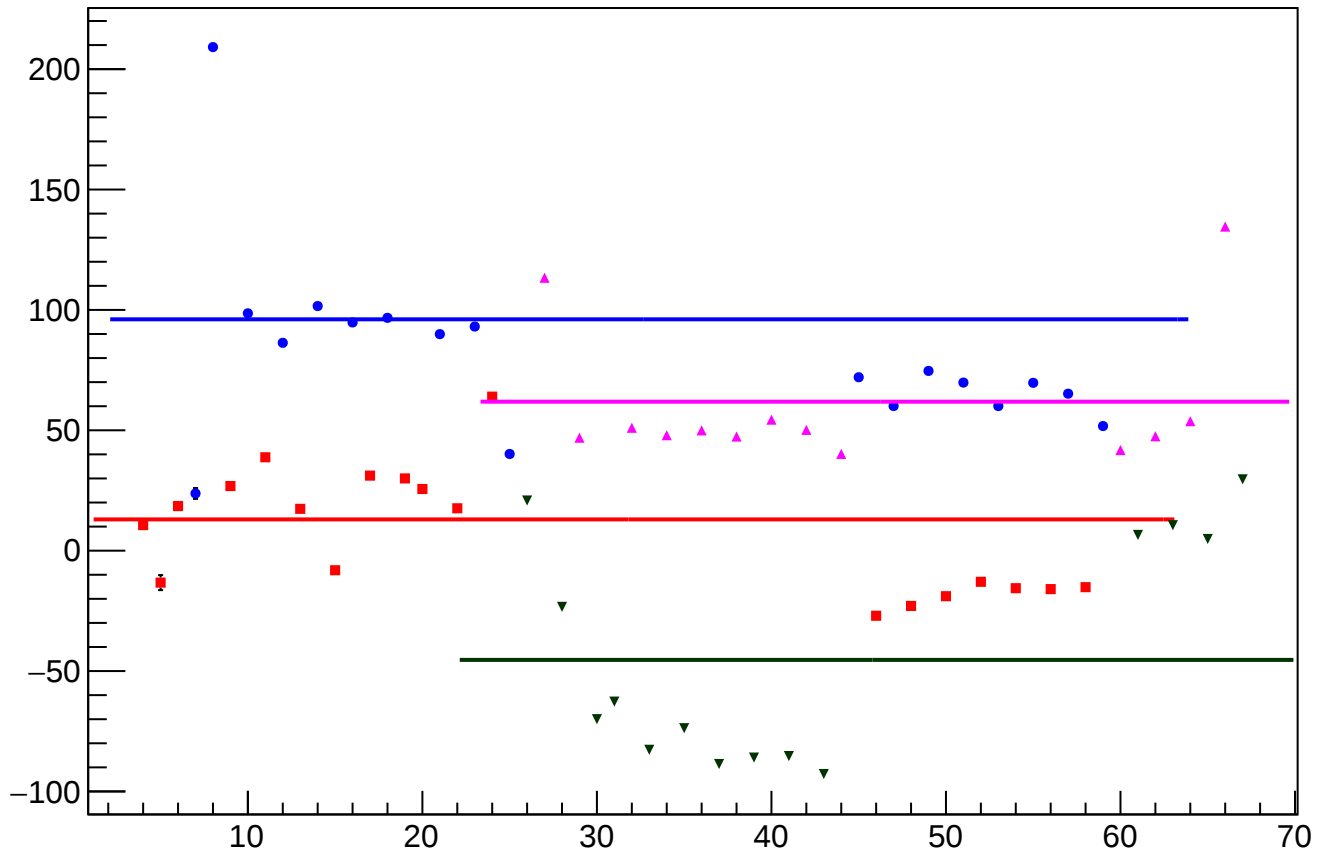
Right Out: 1134.479 $\pm$ 0.256 χ^2 /NDF: 360721.2/18

Left In: 1123.117 $\pm$ 0.287 χ^2 /NDF: 127583.2/12

1138.162 $\pm$ 0.188 χ^2 /NDF: 570482.9/31

1129.447 $\pm$ 0.191 χ^2 /NDF: 489177.9/31

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

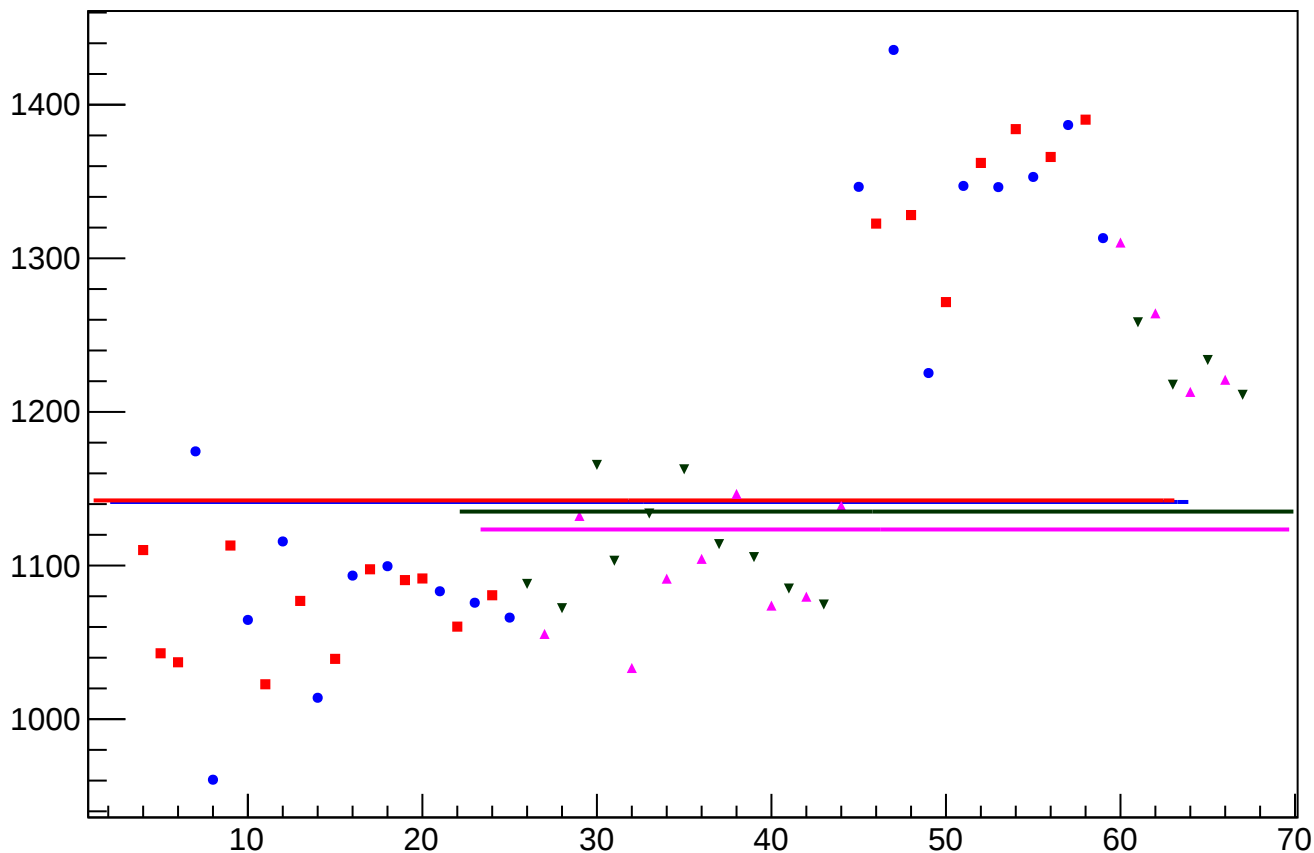
Right Out: 12.992 $\pm$ 0.363 χ^2 /NDF: 4541.3/18

Left In: 61.889 $\pm$ 0.405 χ^2 /NDF:4899.4/12

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

34.786 $\pm$ 0.270 χ^2 /NDF: 17516.5/31

diff_bpm2i02Y_rms vs slug



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

Left Out: 1135.131+/-0.297 χ^2/NDF : 38989.4/13

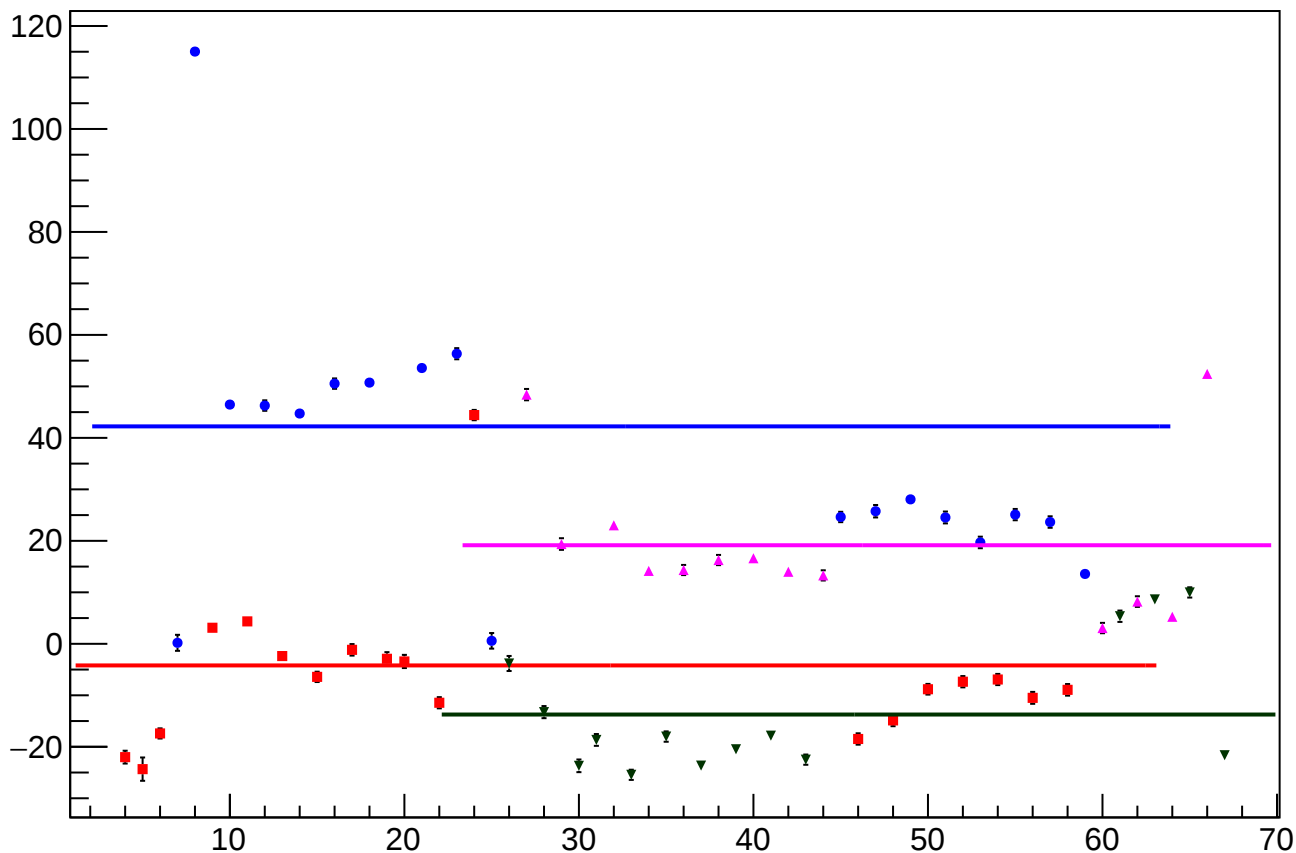
Right Out: 1142.390+/-0.257 χ^2/NDF : 236212.3/18

Left In: 1123.472+/-0.286 χ^2/NDF : 72909.8/12

1138.876+/-0.188 χ^2/NDF : 368561.8/31

1133.958+/-0.191 χ^2/NDF : 311539.6/31

diff_bpm1i04X_mean vs slug



Right In: 42.233 ± 0.231 $\chi^2/\text{NDF}: 14293.4/17$

Left Out: -13.735 ± 0.275 $\chi^2/\text{NDF}: 2029.8/13$

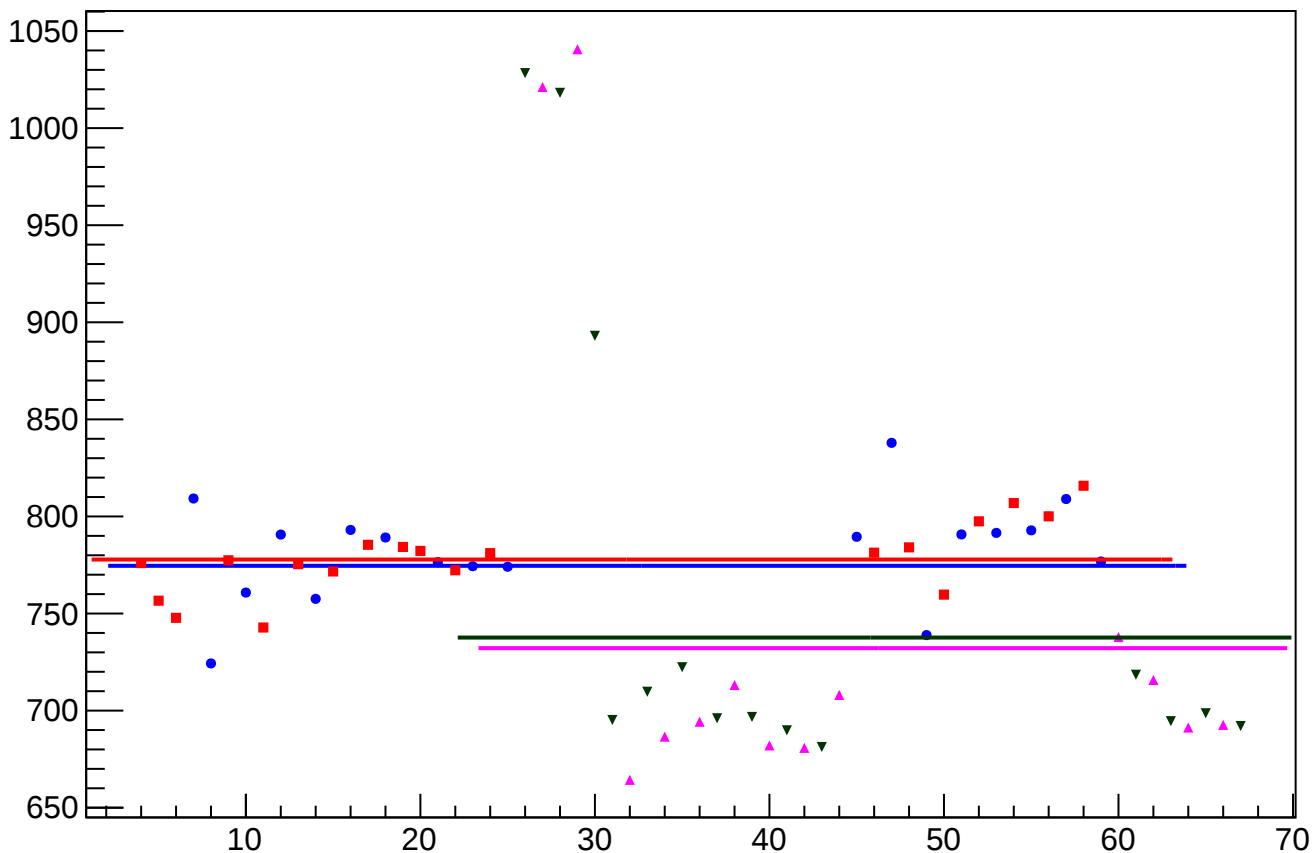
Right Out: -4.198 ± 0.246 $\chi^2/\text{NDF}: 3378.3/18$

Left In: 19.146 ± 0.266 $\chi^2/\text{NDF}: 2696.1/12$

19.069 ± 0.177 $\chi^2/\text{NDF}: 40641.6/31$

6.551 ± 0.181 $\chi^2/\text{NDF}: 10228.4/31$

diff_bpm1i04X_rms vs slug



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

Left Out: 737.628+/-0.194 χ^2/NDF : 261801.0/13

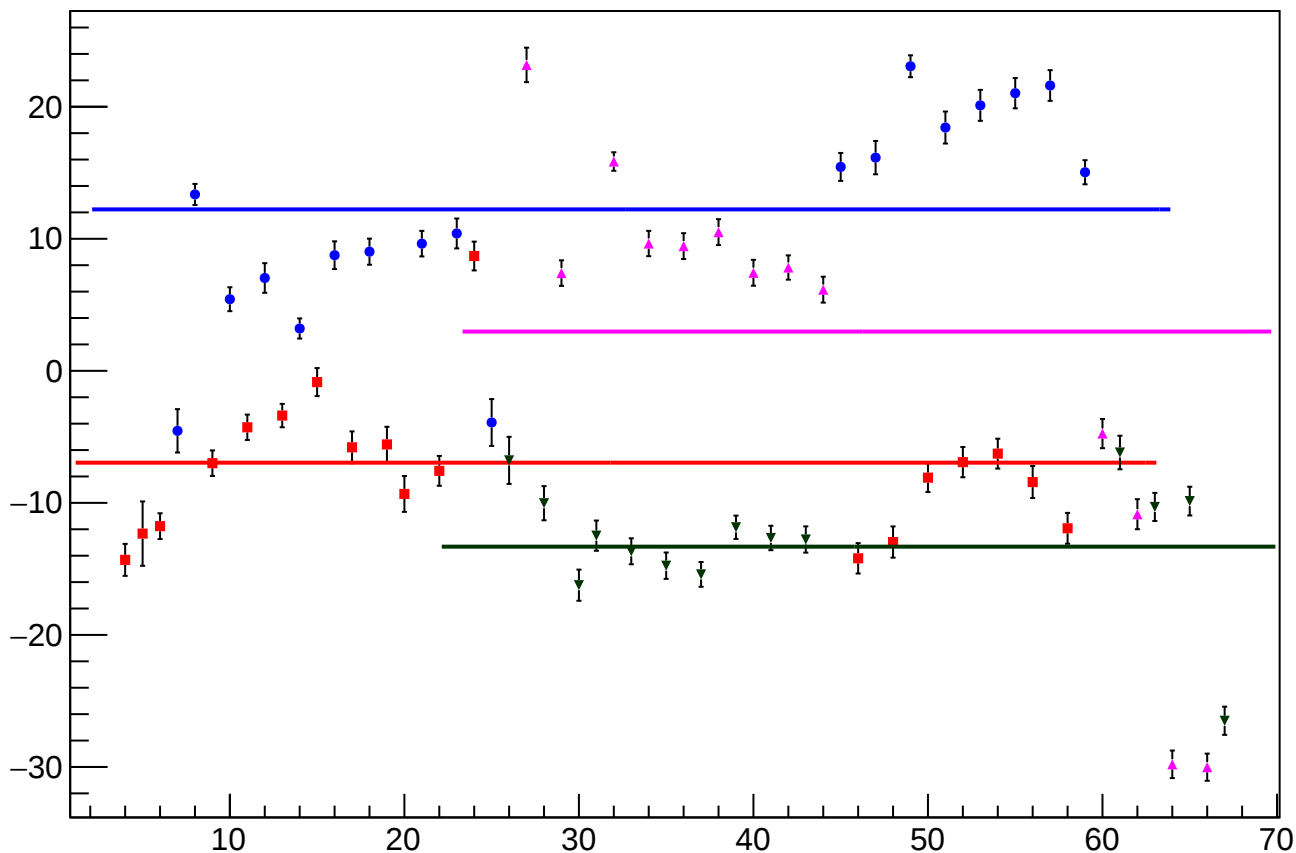
Right Out: 777.816+/-0.174 χ^2/NDF : 11180.5/18

Left In: 732.173+/-0.188 χ^2/NDF : 333895.2/12

759.288+/-0.125 χ^2/NDF : 309366.2/31

756.800+/-0.128 χ^2/NDF : 376837.6/31

diff_bpm1i04Y_mean vs slug



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

Left Out: -13.316 $\pm$ 0.286 χ^2 /NDF: 239.6/13

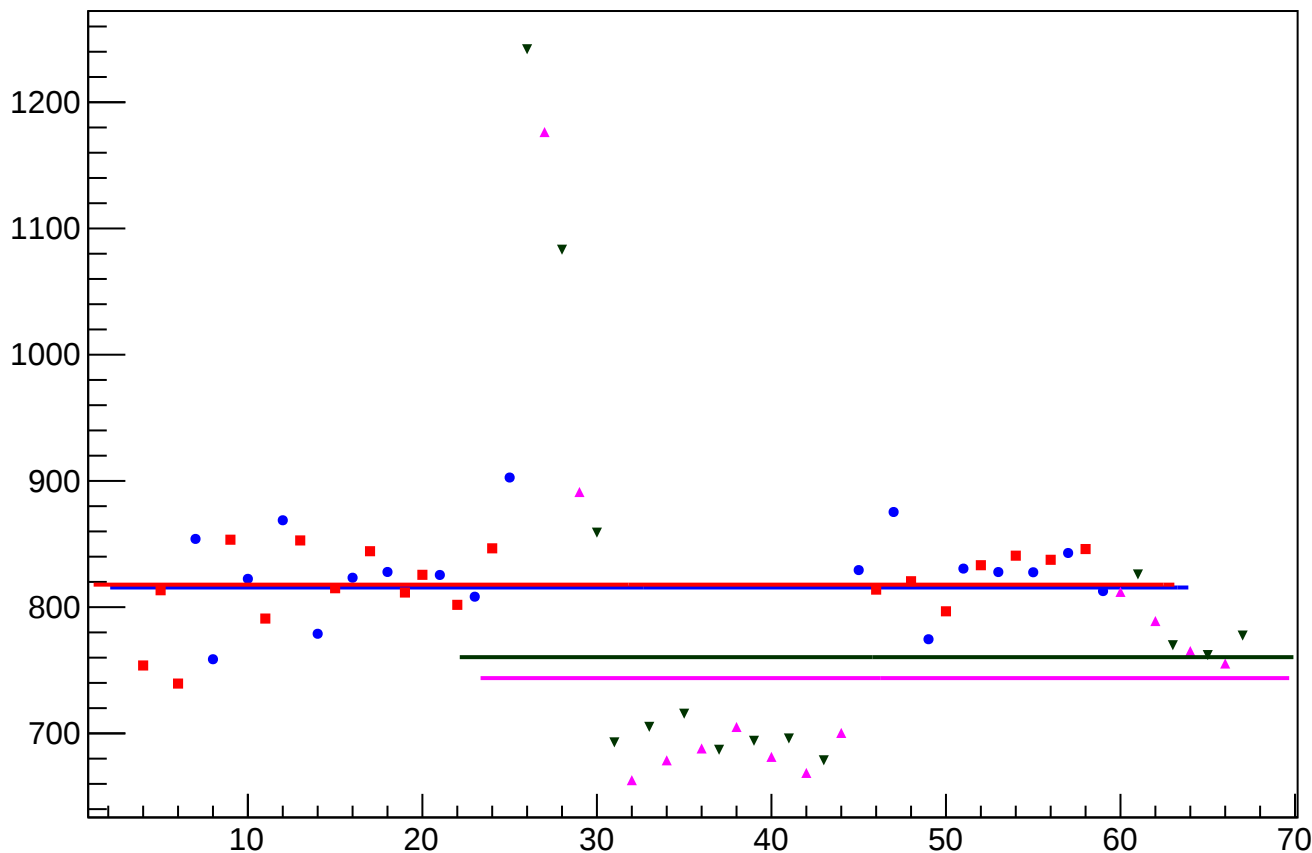
Right Out: -6.954 $\pm$ 0.259 χ^2 /NDF: 420.8/18

Left In: 2.975 $\pm$ 0.271 χ^2 /NDF: 3020.4/12

1.472 $\pm$ 0.185 χ^2 /NDF: 5705.4/31

-2.220 $\pm$ 0.187 χ^2 /NDF: 4141.4/31

diff_bpm1i04Y_rms vs slug



Right In: 815.575 $\pm$ 0.172 χ^2 /NDF: 37644.6/17

Left Out: 760.395 $\pm$ 0.202 χ^2 /NDF:354408.5/13

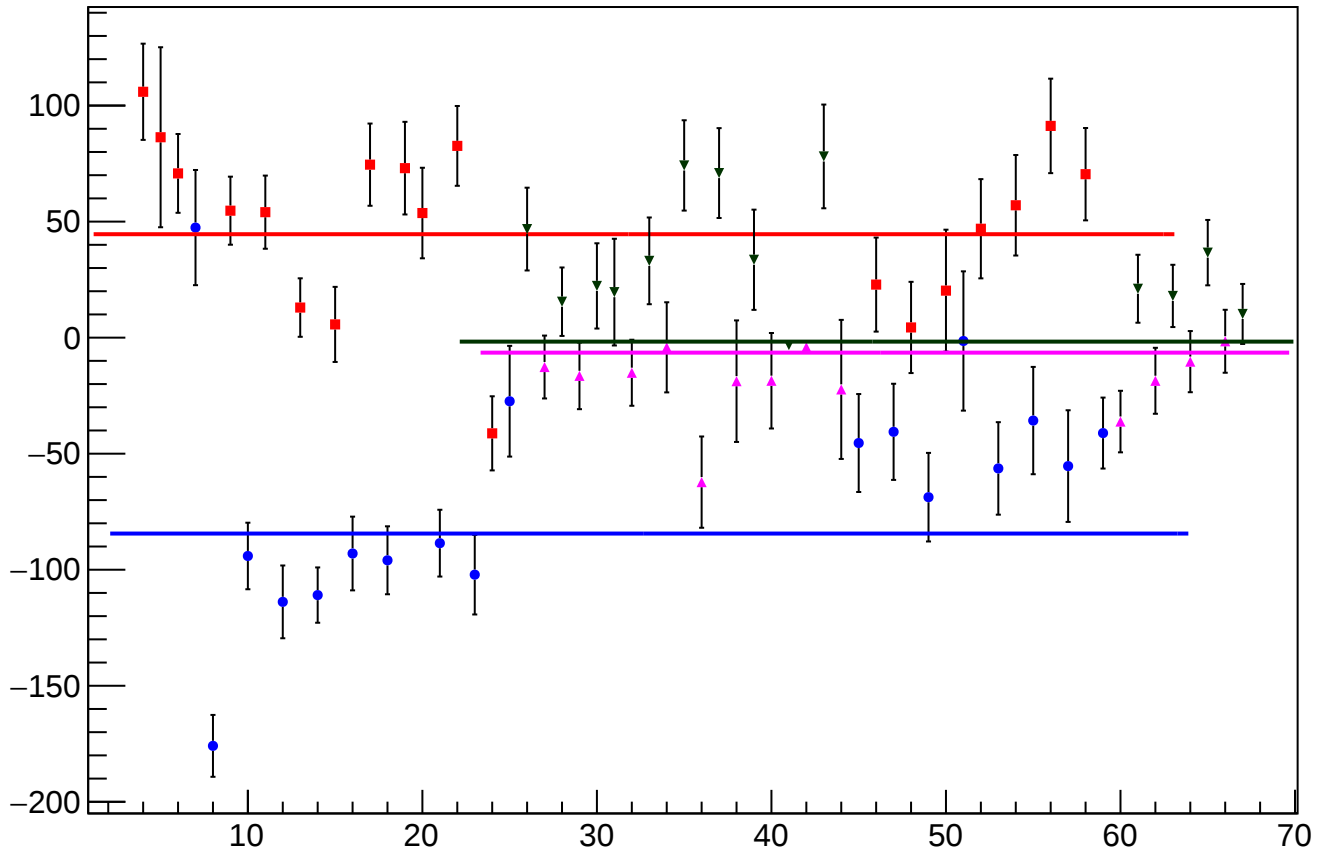
Right Out: 817.840 $\pm$ 0.183 χ^2 /NDF: 32410.2/18

Left In: 743.796 $\pm$ 0.192 χ^2 /NDF:348748.4/12

792.341 $\pm$ 0.131 χ^2 /NDF: 435294.6/31

782.538 $\pm$ 0.133 χ^2 /NDF: 459059.8/31

diff_bpm0l02X_mean vs slug



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

Left Out: -1.712 ± 0.962 χ^2/NDF : 74.7/13

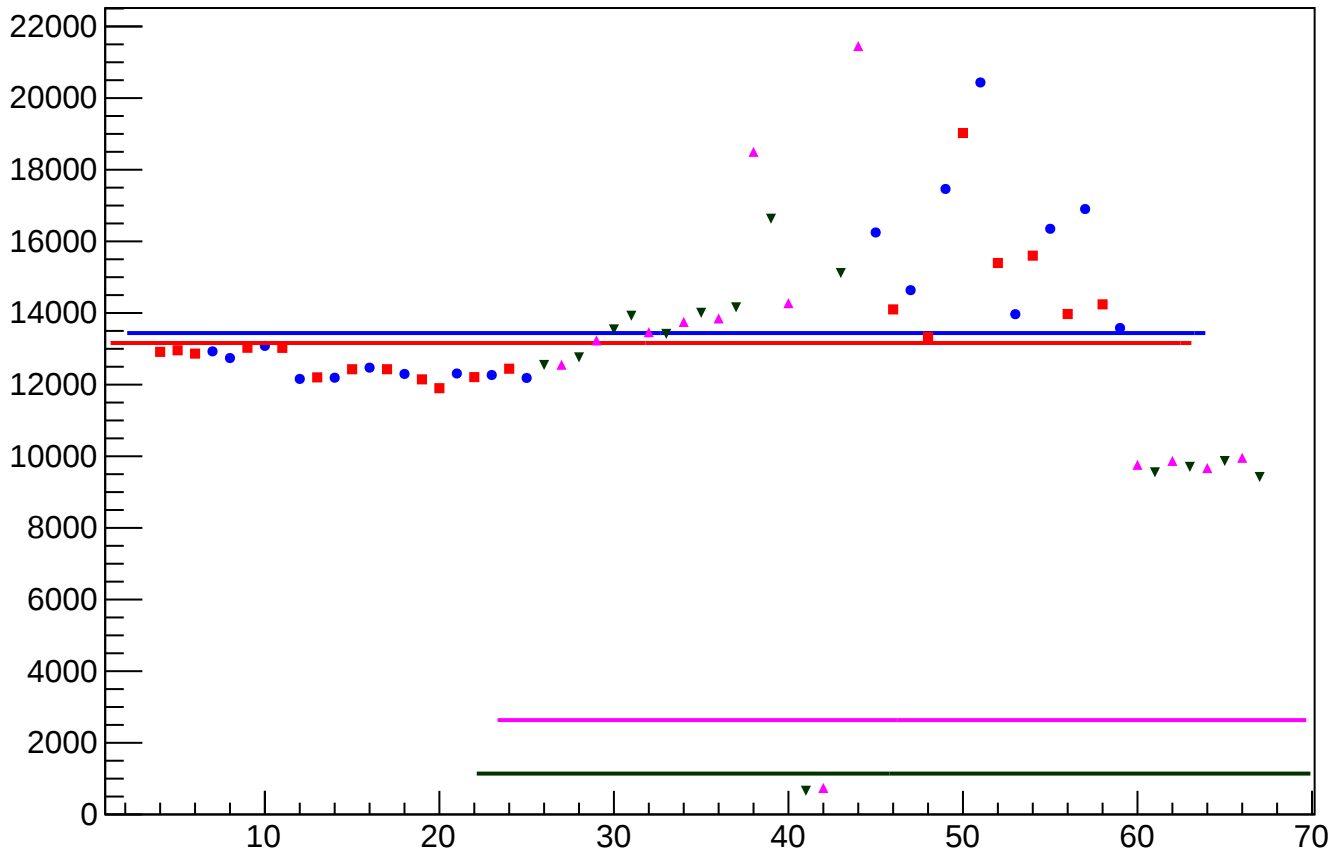
Right Out: 44.573 ± 4.203 χ^2/NDF : 77.6/18

Left In: -6.460 ± 1.881 χ^2/NDF : 17.2/12

-6.110 ± 0.936 χ^2/NDF : 591.7/31

2.056 ± 1.717 χ^2/NDF : 217.6/31

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

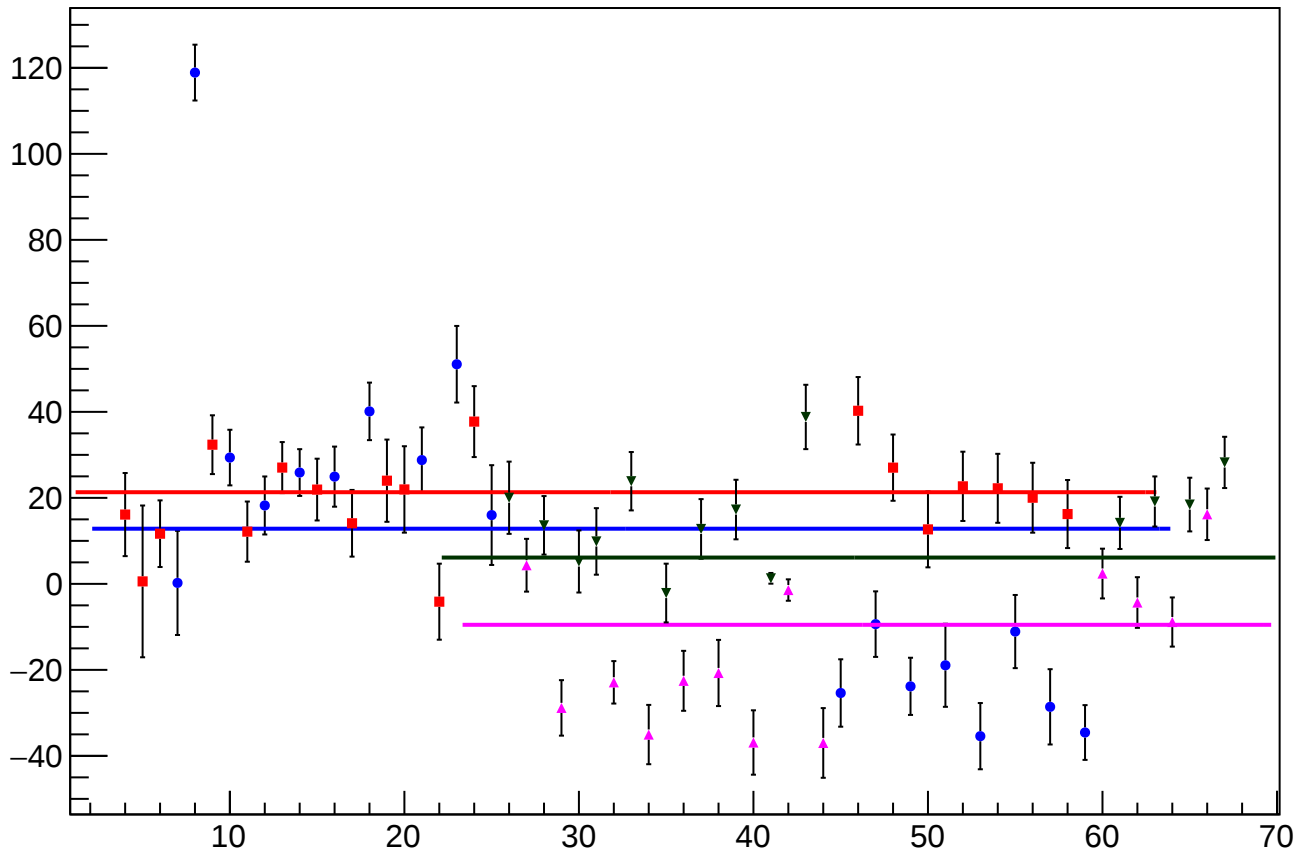
Right Out: 13162.769+/-2.972 χ^2/NDF : 204436.9/18

Left In: 2634.071+/-1.330 χ^2/NDF : 10728814.2/12

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

4391.135+/-1.214 χ^2/NDF : 21391218.8/31

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

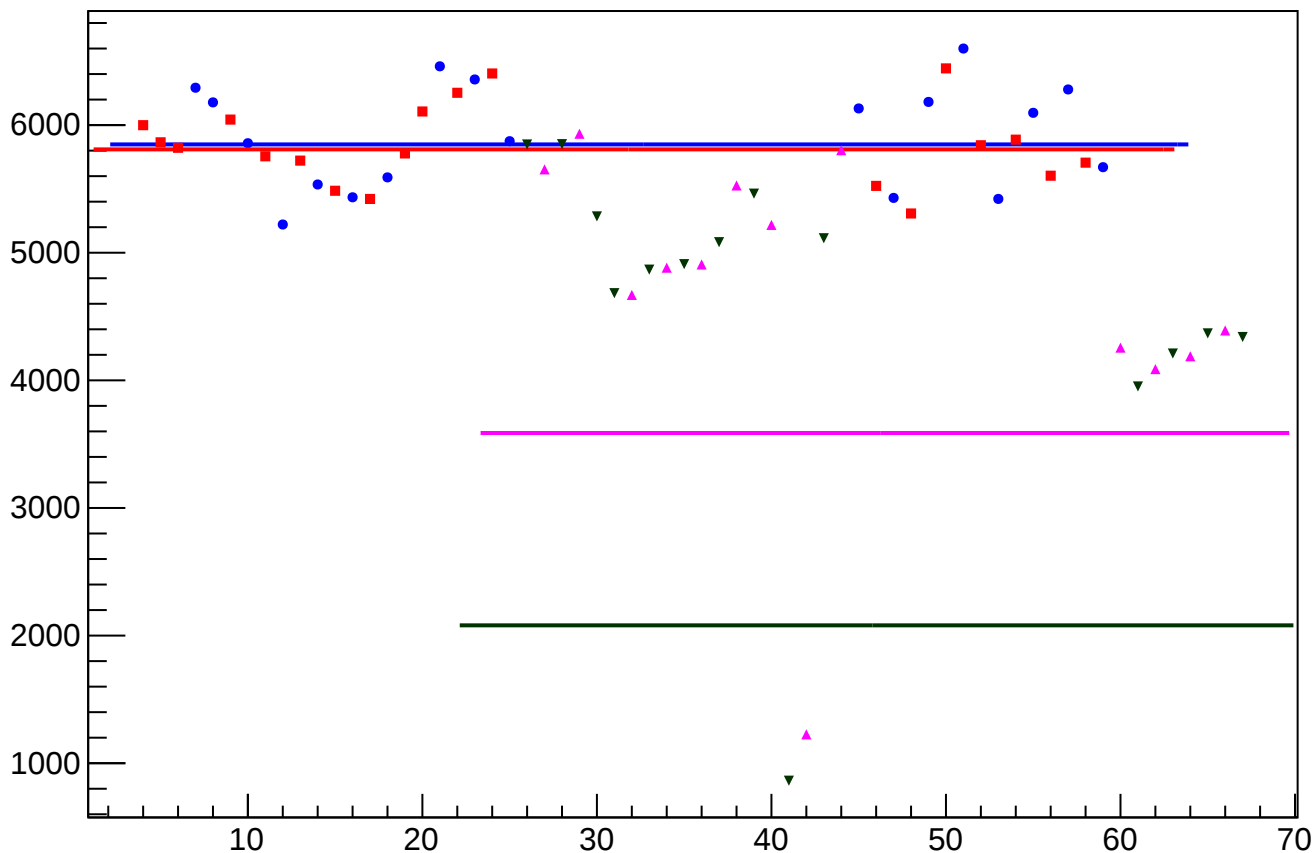
Right Out: 21.314 $\pm$ 1.847 χ^2 /NDF: 29.5/18

Left In: -9.521 $\pm$ 1.472 χ^2 /NDF: 99.6/12

7.860 $\pm$ 0.893 χ^2 /NDF: 607.2/31

2.455 $\pm$ 1.151 χ^2 /NDF: 299.5/31

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

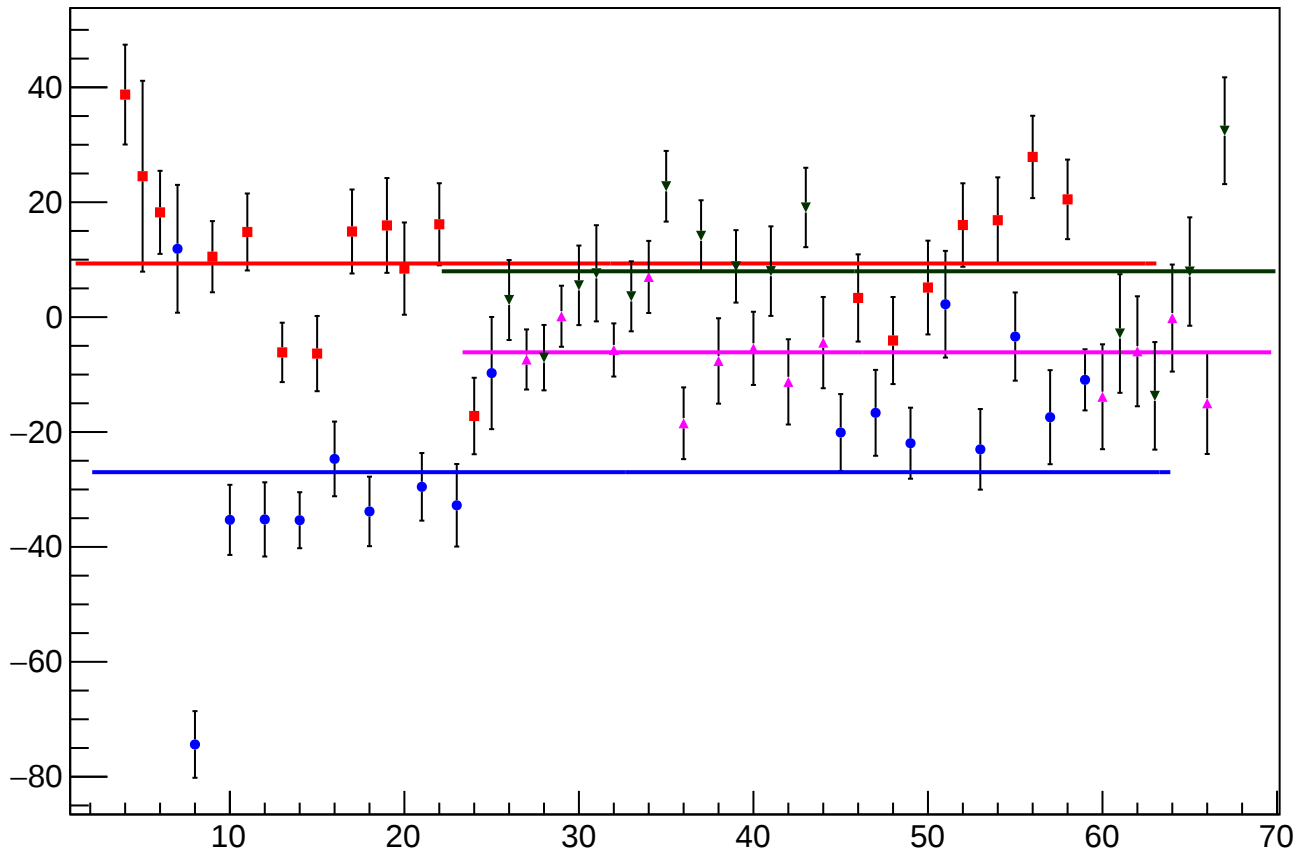
Right Out: 5809.767+/-1.306 χ^2/NDF : 53321.4/18

Left In: 3587.464+/-1.041 χ^2/NDF : 2998312.8/12

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

4450.570+/-0.814 χ^2/NDF : 4822499.9/31

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

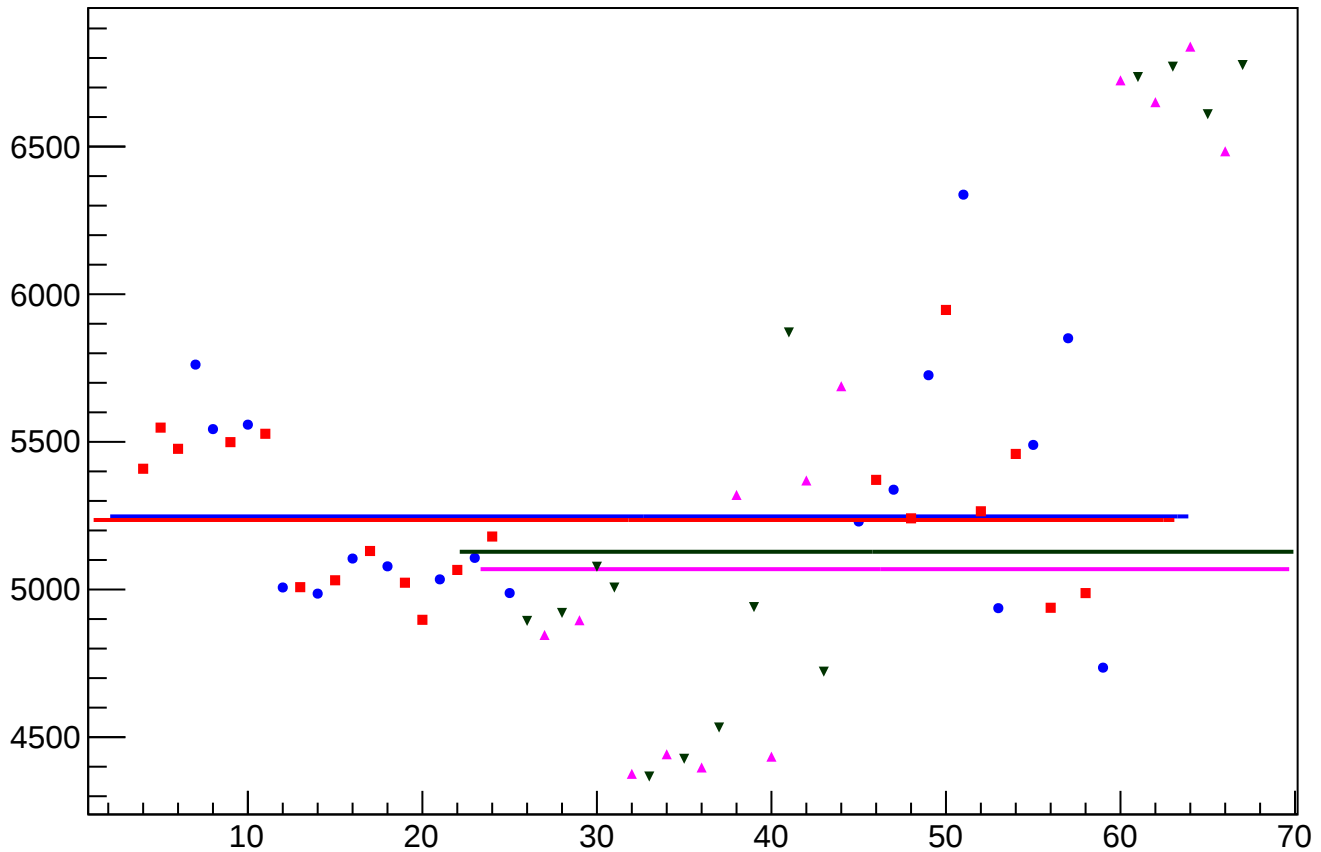
Right Out: 9.337 ± 1.659 χ^2/NDF : 62.4/18

Left In: -6.125 ± 1.845 χ^2/NDF : 12.5/12

-12.954 ± 1.214 χ^2/NDF : 354.7/31

2.421 ± 1.234 χ^2/NDF : 113.7/31

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

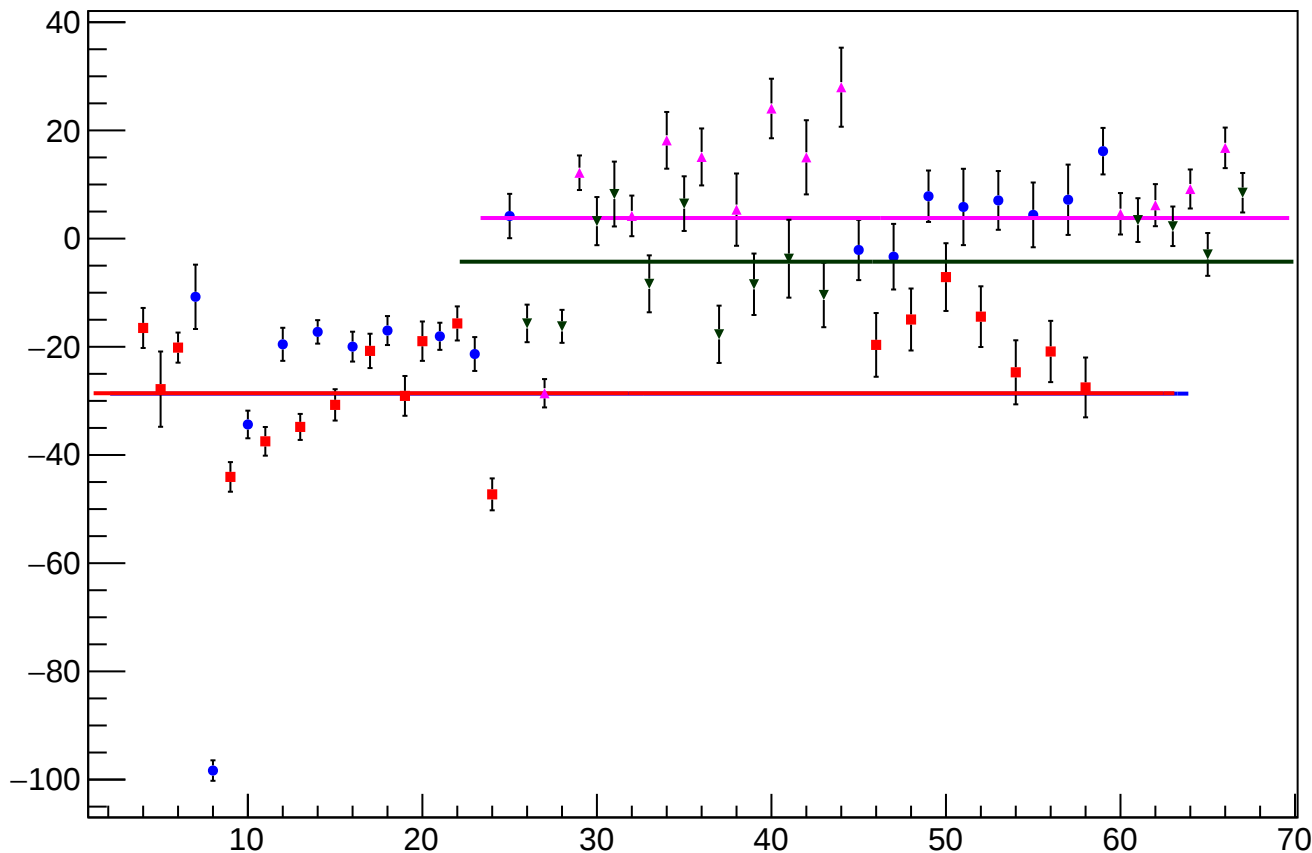
Right Out: 5235.469 ± 1.173 χ^2/NDF : 47165.0/18

Left In: 5068.940 ± 1.305 χ^2/NDF : 375191.5/12

5199.515 ± 0.859 χ^2/NDF : 440592.3/31

5160.989 ± 0.872 χ^2/NDF : 431364.1/31

diff_bpm0l03Y_mean vs slug



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

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

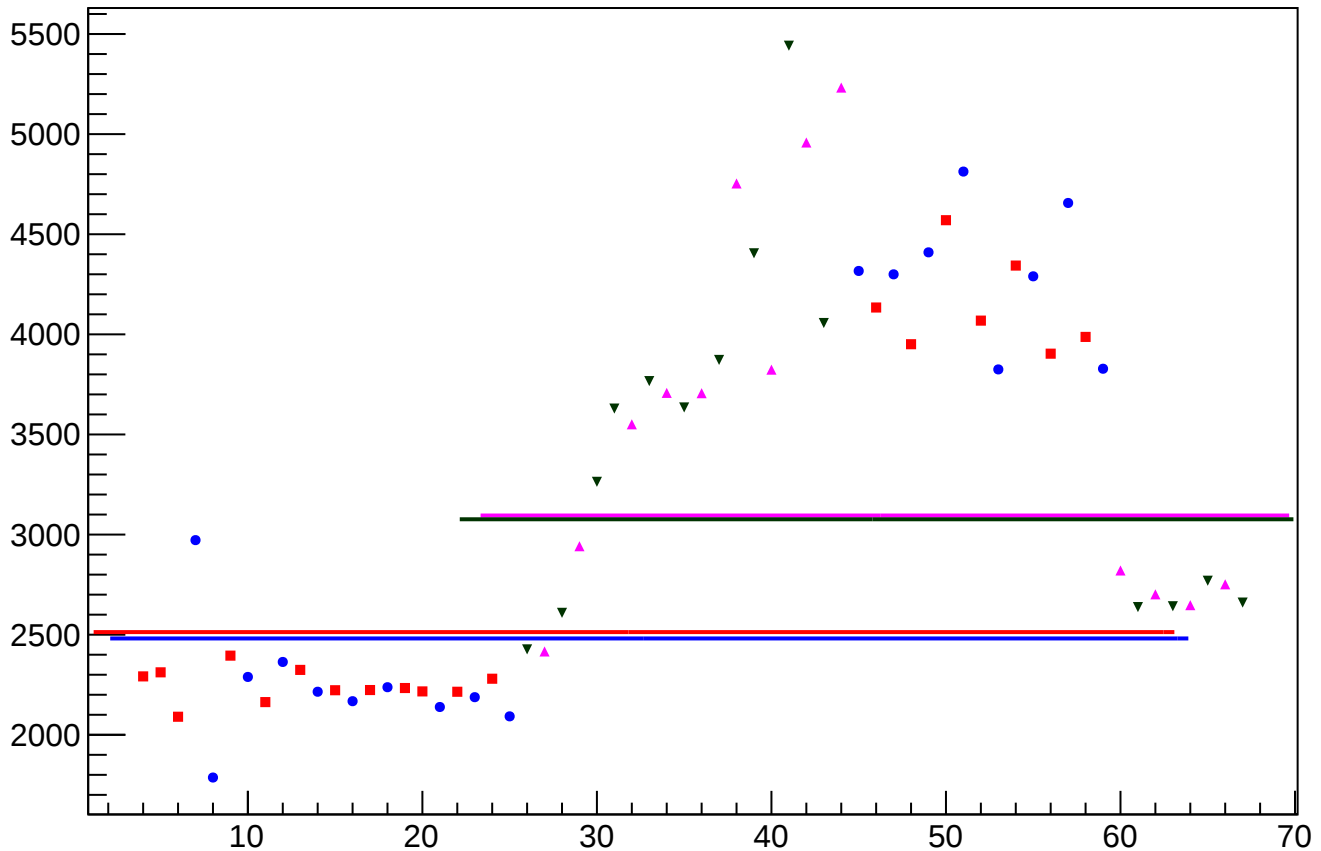
Right Out: -28.584 ± 0.826 $\chi^2/\text{NDF}: 168.7/18$

Left In: 3.805 ± 1.144 $\chi^2/\text{NDF}: 213.6/12$

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

-17.472 ± 0.670 $\chi^2/\text{NDF}: 909.3/31$

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

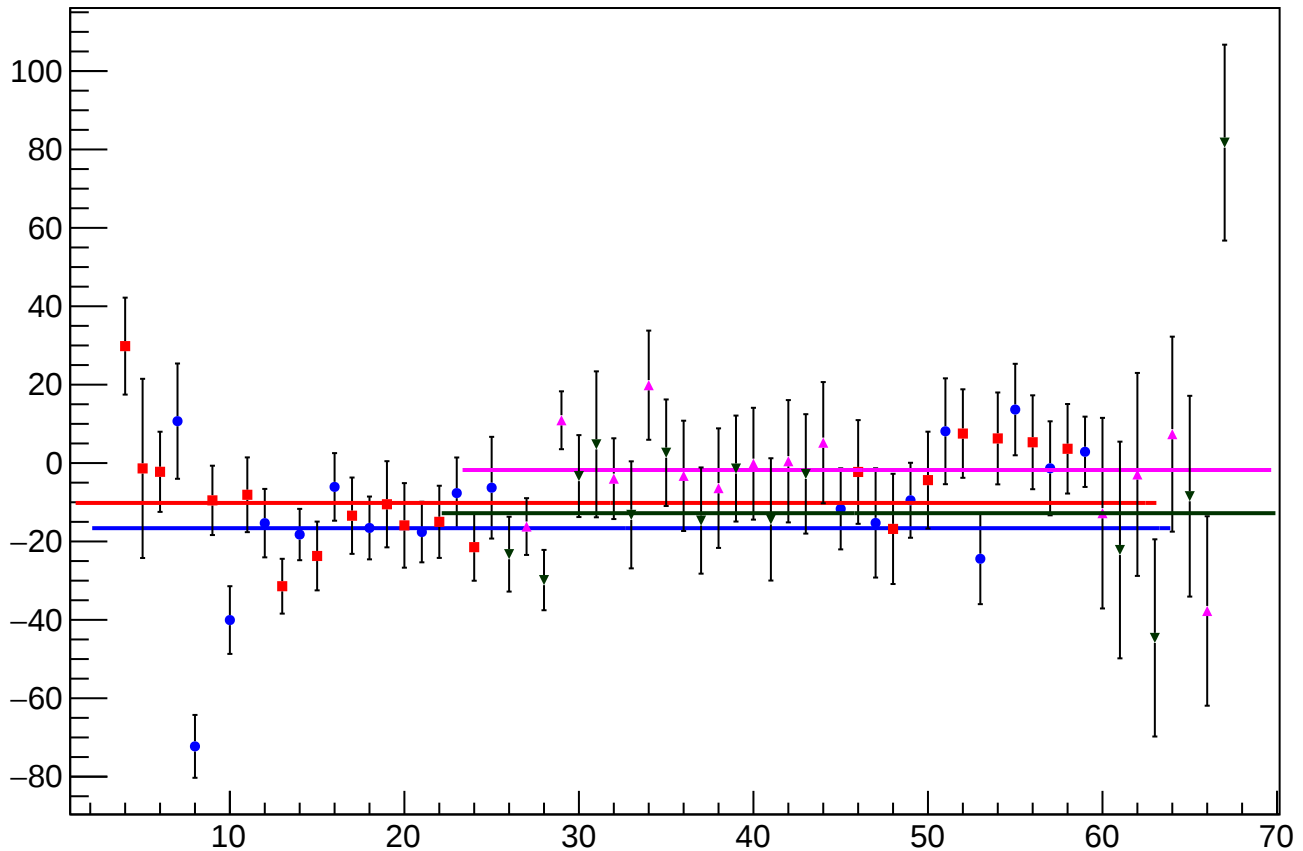
2665.498+/-0.459 χ^2/NDF : 3182001.1/31

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

2712.701+/-0.474 χ^2/NDF : 2417194.7/31

Left In: 3095.210+/-0.809 χ^2/NDF : 777972.1/12

diff_bpm0l04X_mean vs slug



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

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

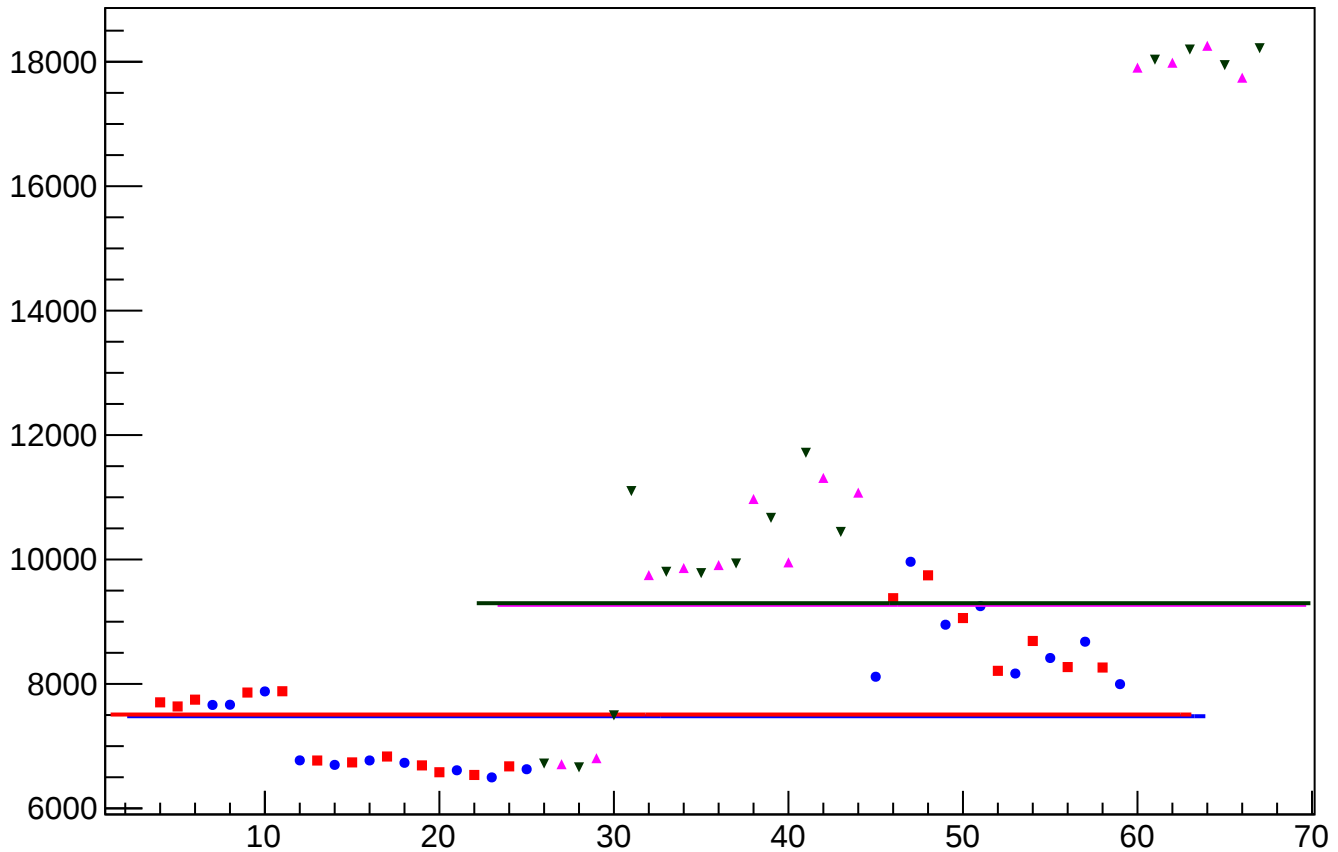
Right Out: -10.172 ± 2.389 $\chi^2/\text{NDF}: 33.7/18$

Left In: -1.771 ± 3.512 $\chi^2/\text{NDF}: 12.3/12$

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

-7.514 ± 1.975 $\chi^2/\text{NDF}: 49.8/31$

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

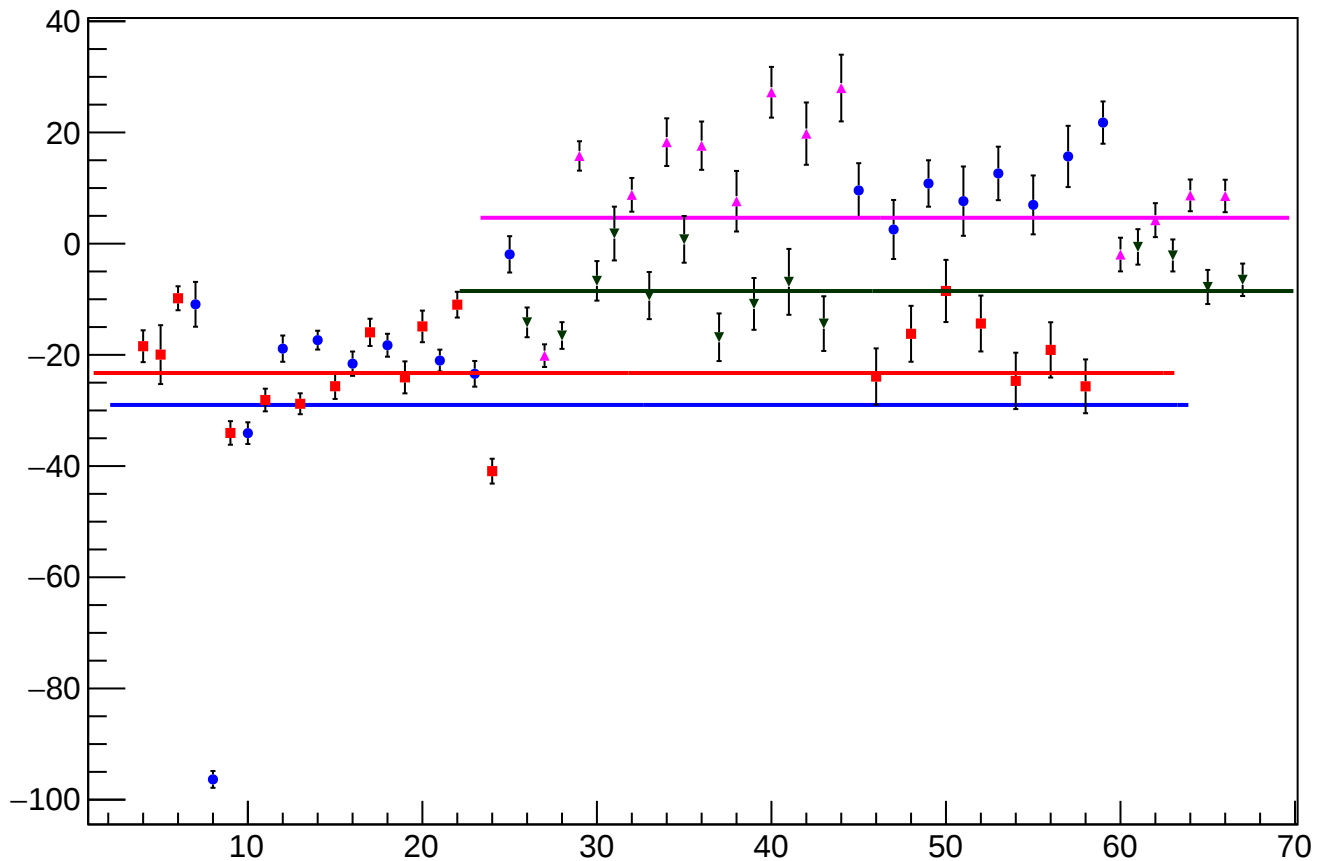
Right Out: 7508.240+/-1.689 χ^2/NDF : 289453.4/18

Left In: 9270.834+/-2.483 χ^2/NDF :1561851.2/12

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

8065.813+/-1.397 χ^2/NDF : 2195686.8/31

diff_bpm0l04Y_mean vs slug



Right In: -29.007 ± 0.618 $\chi^2/\text{NDF}: 2792.0/17$

Left Out: -8.519 ± 0.928 $\chi^2/\text{NDF}: 42.5/13$

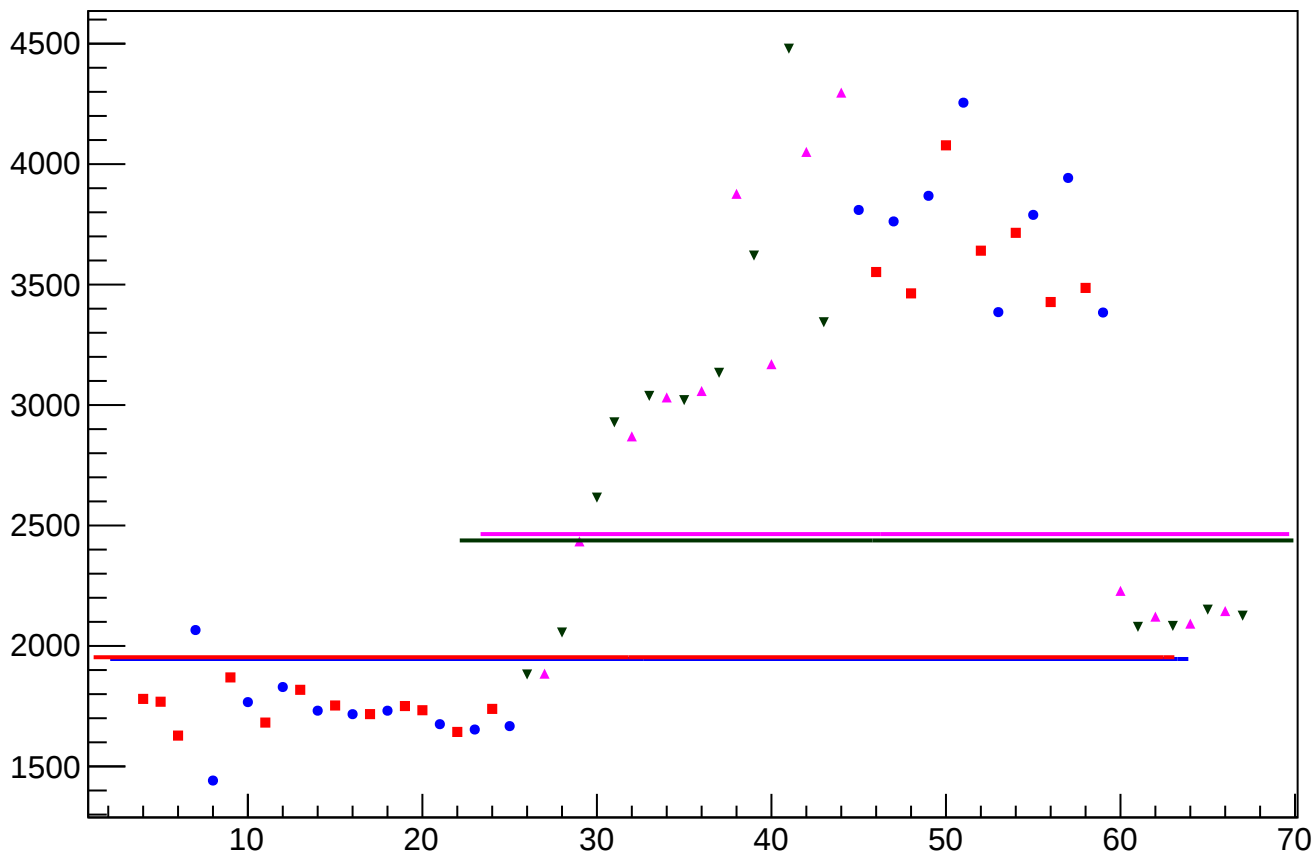
Right Out: -23.263 ± 0.648 $\chi^2/\text{NDF}: 204.8/18$

Left In: 4.654 ± 0.914 $\chi^2/\text{NDF}: 242.4/12$

-22.709 ± 0.515 $\chi^2/\text{NDF}: 3172.0/31$

-13.922 ± 0.529 $\chi^2/\text{NDF}: 1068.3/31$

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

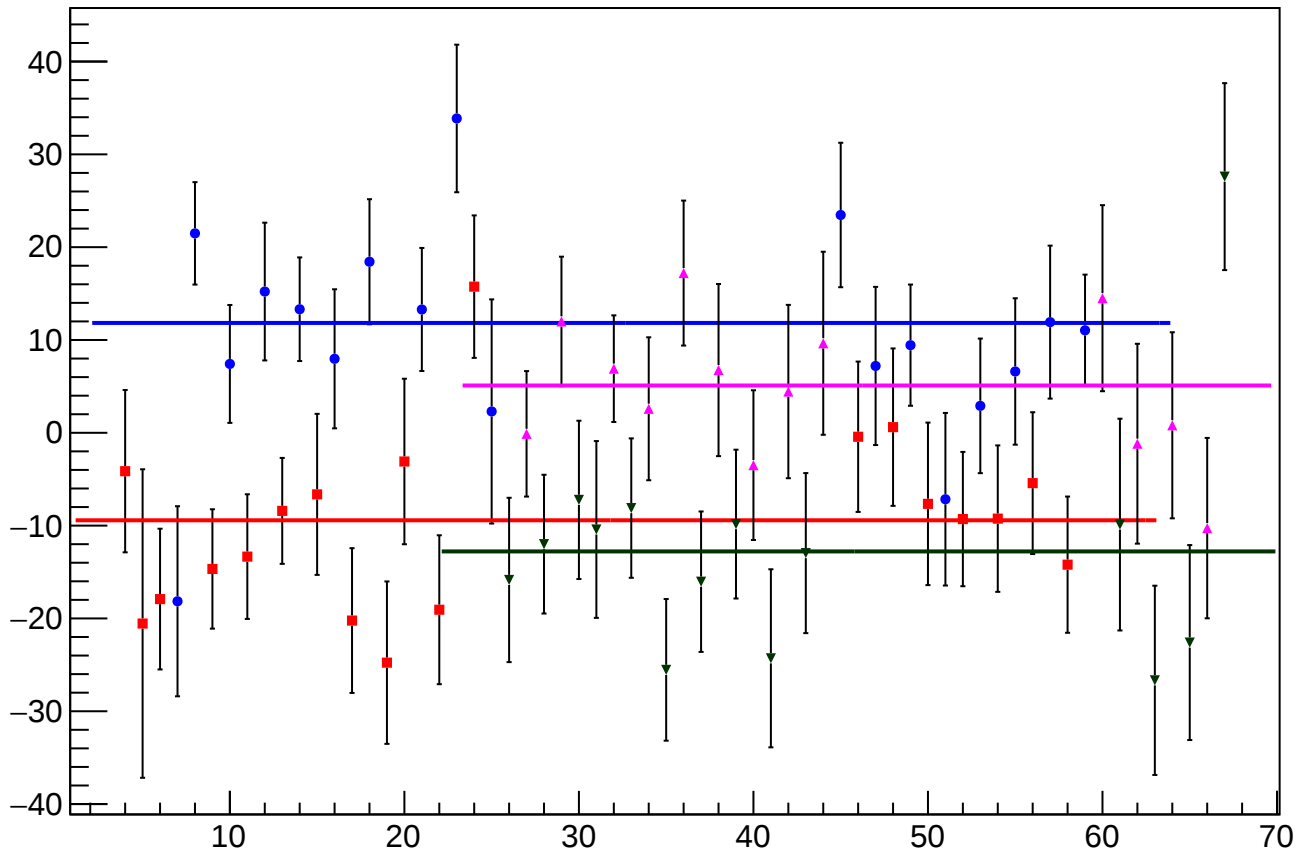
2097.134+/-0.364 χ^2/NDF : 3813266.7/31

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

2124.197+/-0.374 χ^2/NDF : 3036730.2/31

Left In: 2464.336+/-0.646 χ^2/NDF : 894372.2/12

diff_bpm0l05X_mean vs slug



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

Left Out: -12.781 $\pm$ 2.332 χ^2 /NDF: 24.4/13

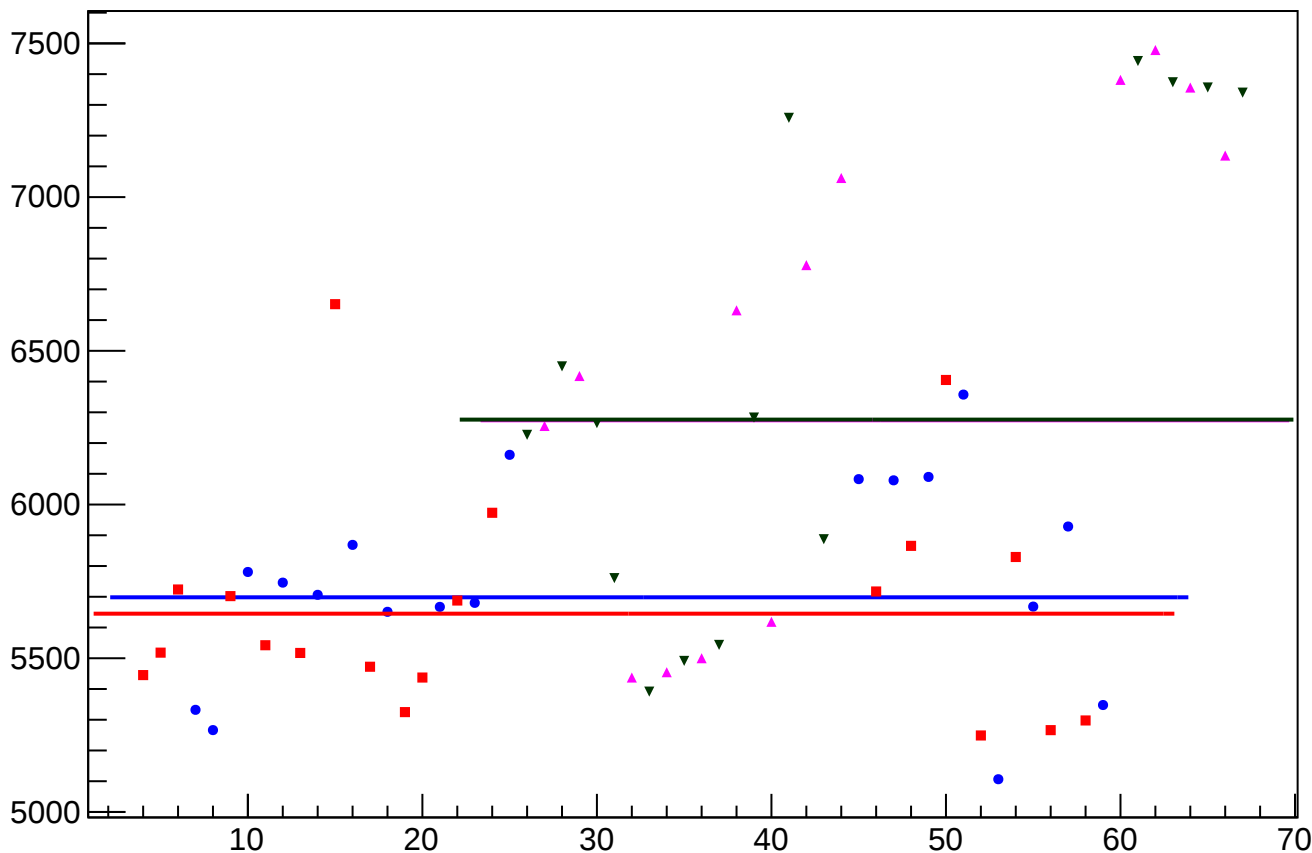
Right Out: -9.425 $\pm$ 1.790 χ^2 /NDF: 24.3/18

Left In: 5.096 $\pm$ 2.271 χ^2 /NDF: 9.5/12

3.286 $\pm$ 1.374 χ^2 /NDF: 128.0/31

-3.861 $\pm$ 1.406 χ^2 /NDF: 59.0/31

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

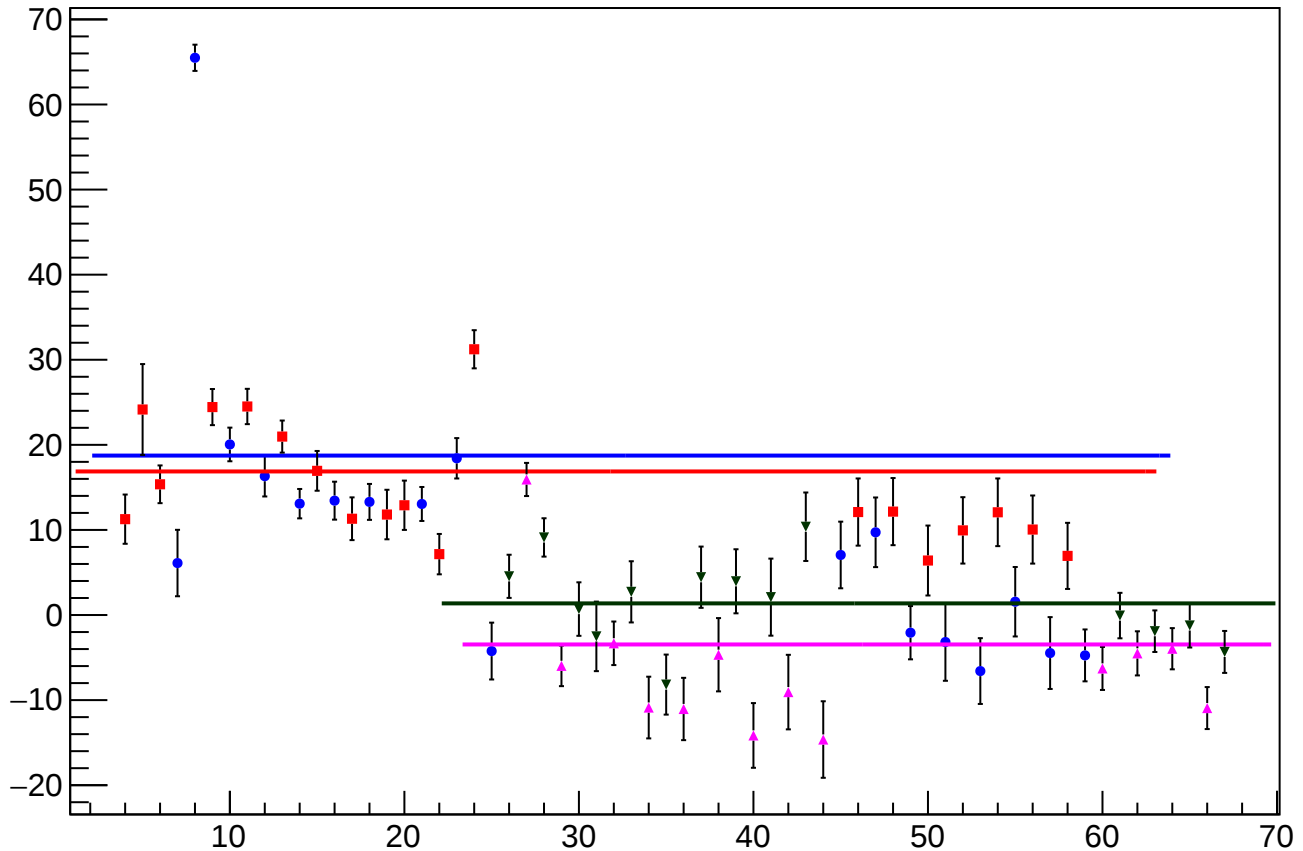
Right Out: 5644.999+/-1.266 χ^2/NDF : 71475.4/18

Left In: 6273.974+/-1.606 χ^2/NDF : 208847.9/12

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

5885.992+/-0.994 χ^2/NDF : 374942.0/31

diff_bpm0l05Y_mean vs slug



Right In: 18.738 ± 0.602 χ^2/NDF : 1241.3/17

Left Out: 1.367 ± 0.803 χ^2/NDF : 36.5/13

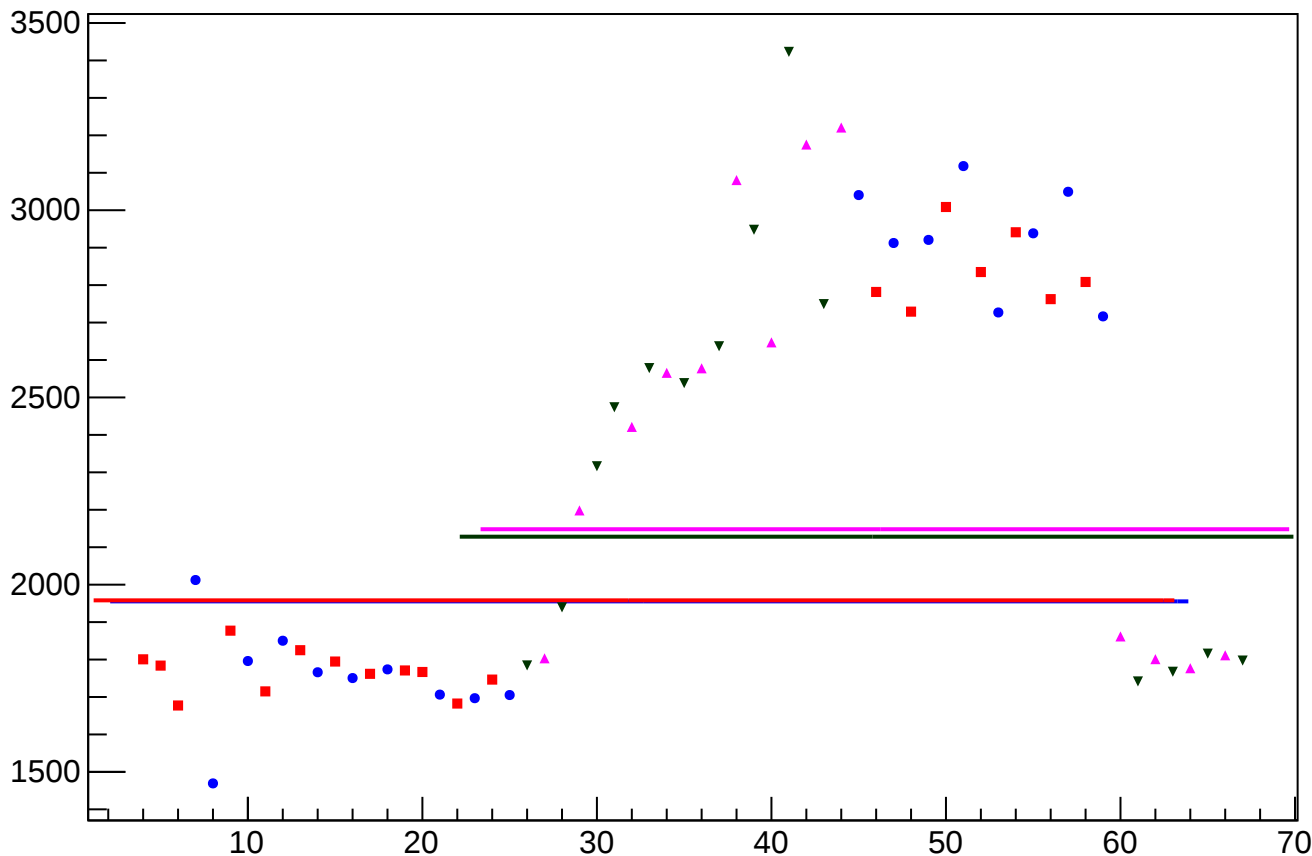
Right Out: 16.874 ± 0.633 χ^2/NDF : 128.0/18

Left In: -3.459 ± 0.789 χ^2/NDF : 135.1/12

12.494 ± 0.482 χ^2/NDF : 1577.4/31

8.906 ± 0.494 χ^2/NDF : 667.2/31

diff_bpm0l05Y_rms vs slug



Right In: 1955.370+/-0.425 χ^2/NDF : 1375682.1/17

Left Out: 2128.153+/-0.568 χ^2/NDF : 627060.0/13

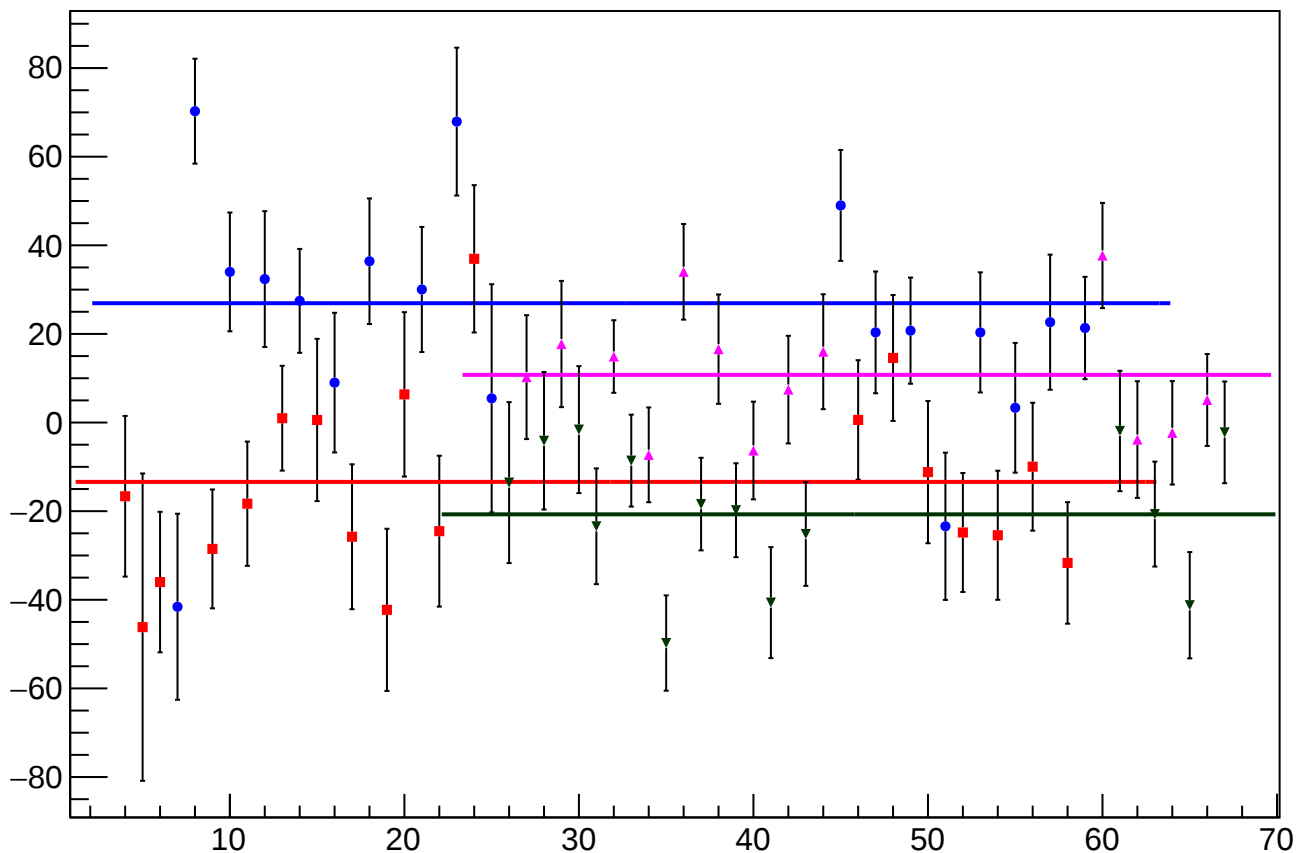
Right Out: 1958.115+/-0.448 χ^2/NDF : 858074.3/18

Left In: 2148.052+/-0.558 χ^2/NDF : 638144.6/12

2017.479+/-0.340 χ^2/NDF : 2062032.2/31

2032.544+/-0.349 χ^2/NDF : 1566732.3/31

diff_bpm0l06X_mean vs slug



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

Left Out: -20.715 ± 3.249 $\chi^2/\text{NDF}: 22.0/13$

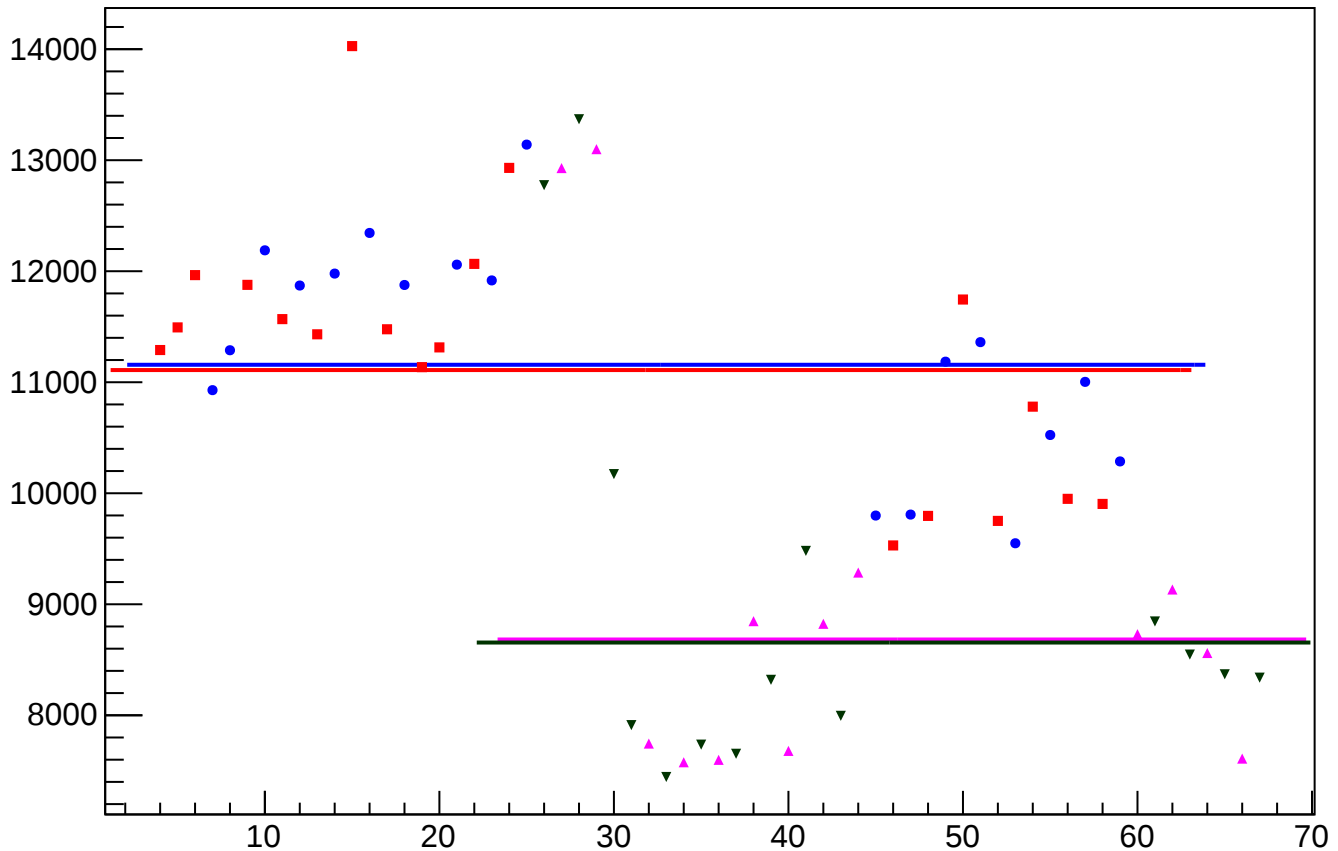
Right Out: -13.392 ± 3.535 $\chi^2/\text{NDF}: 28.4/18$

Left In: 10.759 ± 3.174 $\chi^2/\text{NDF}: 18.8/12$

2.475 ± 2.328 $\chi^2/\text{NDF}: 175.5/31$

-0.020 ± 2.361 $\chi^2/\text{NDF}: 73.0/31$

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

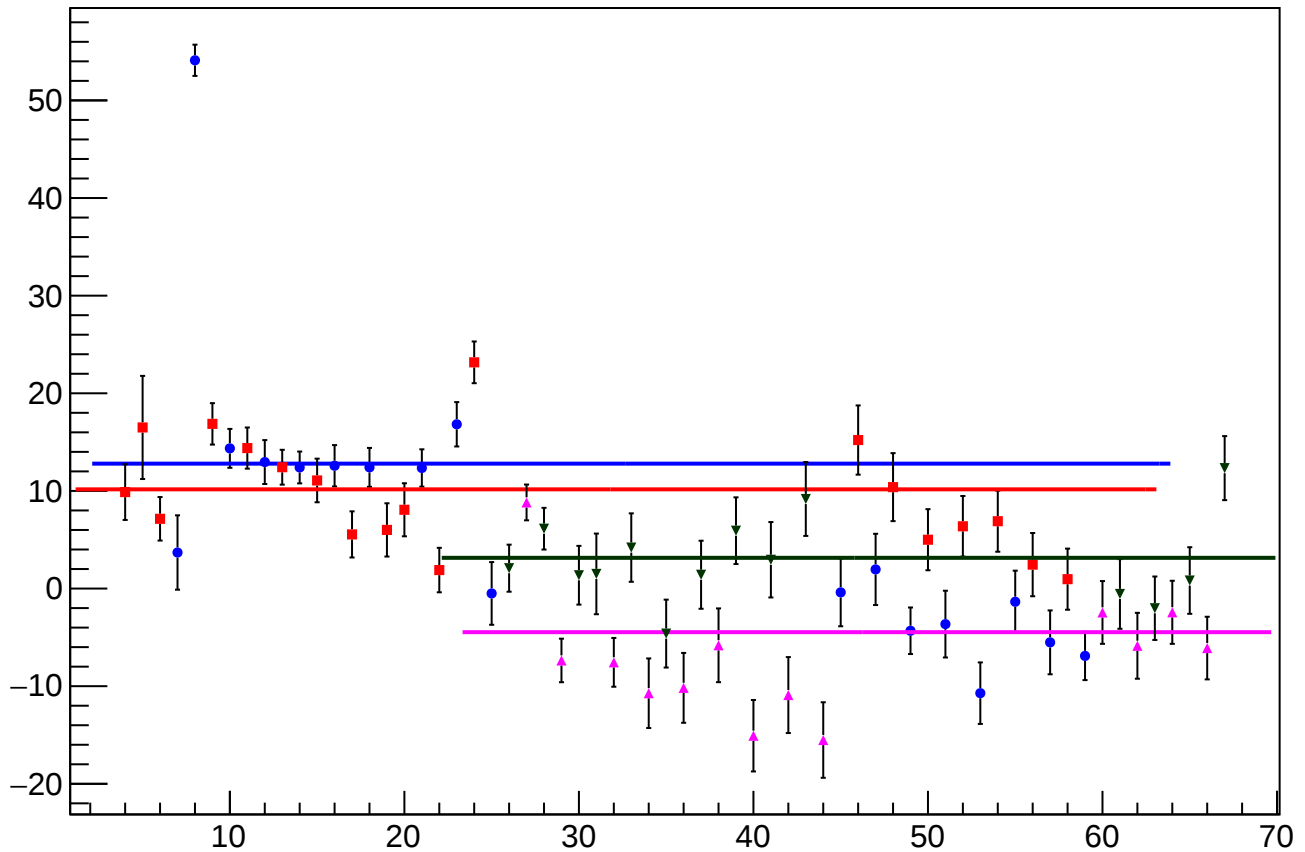
9873.112 $\pm$ 1.646 χ^2 /NDF: 1127735.4/31

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

9765.904 $\pm$ 1.670 χ^2 /NDF: 1208555.1/31

Left In: 8682.689 $\pm$ 2.244 χ^2 /NDF:490102.5/12

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

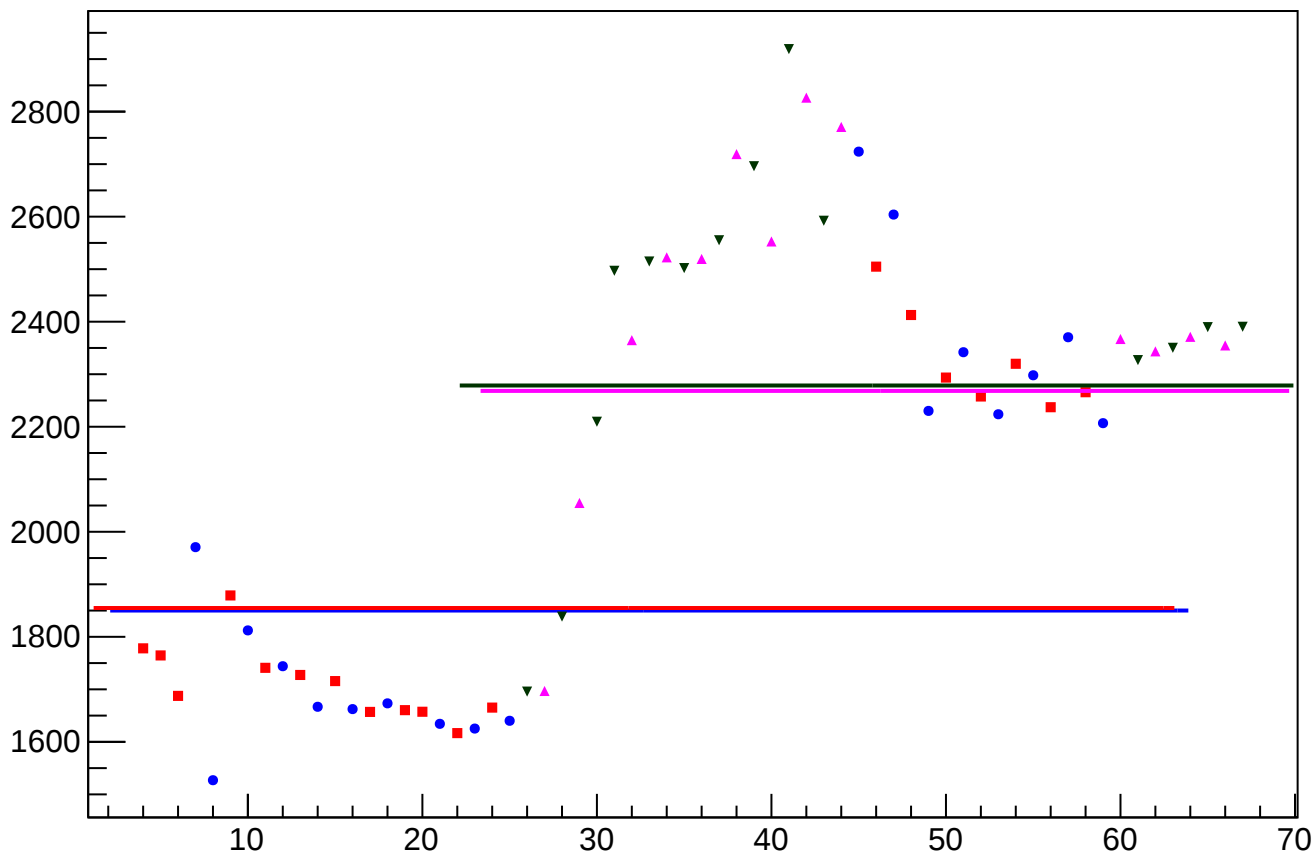
Right Out: 10.162 ± 0.592 χ^2/NDF : 97.7/18

Left In: -4.468 ± 0.824 χ^2/NDF : 82.0/12

9.885 ± 0.467 χ^2/NDF : 1073.9/31

5.181 ± 0.481 χ^2/NDF : 387.4/31

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

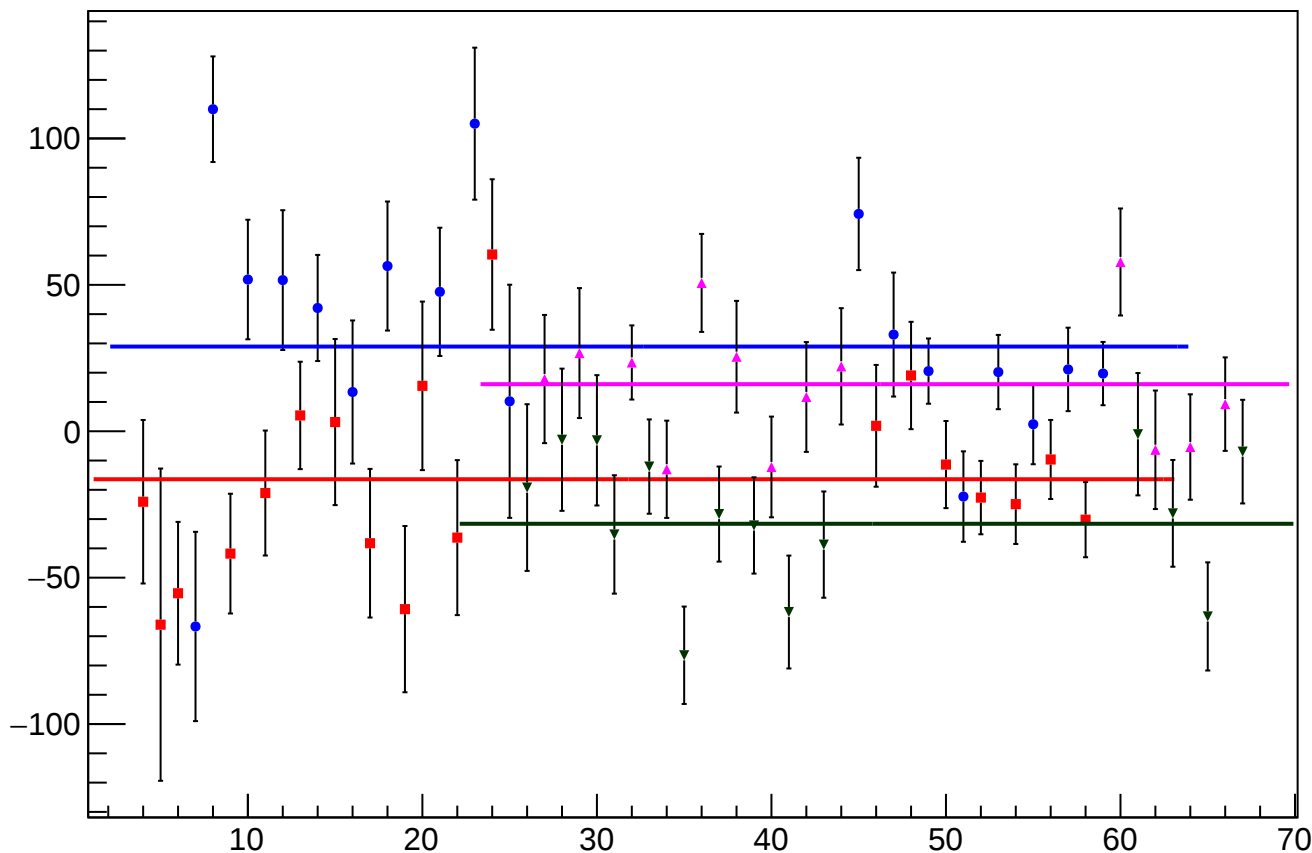
Right Out: 1854.854+/-0.419 χ^2/NDF : 407929.4/18

Left In: 2268.217+/-0.583 χ^2/NDF :357581.5/12

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

1995.568+/-0.340 χ^2/NDF : 1097088.7/31

diff_bpm0l07X_mean vs slug



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

Left Out: -31.597 ± 5.031 $\chi^2/\text{NDF}: 21.7/13$

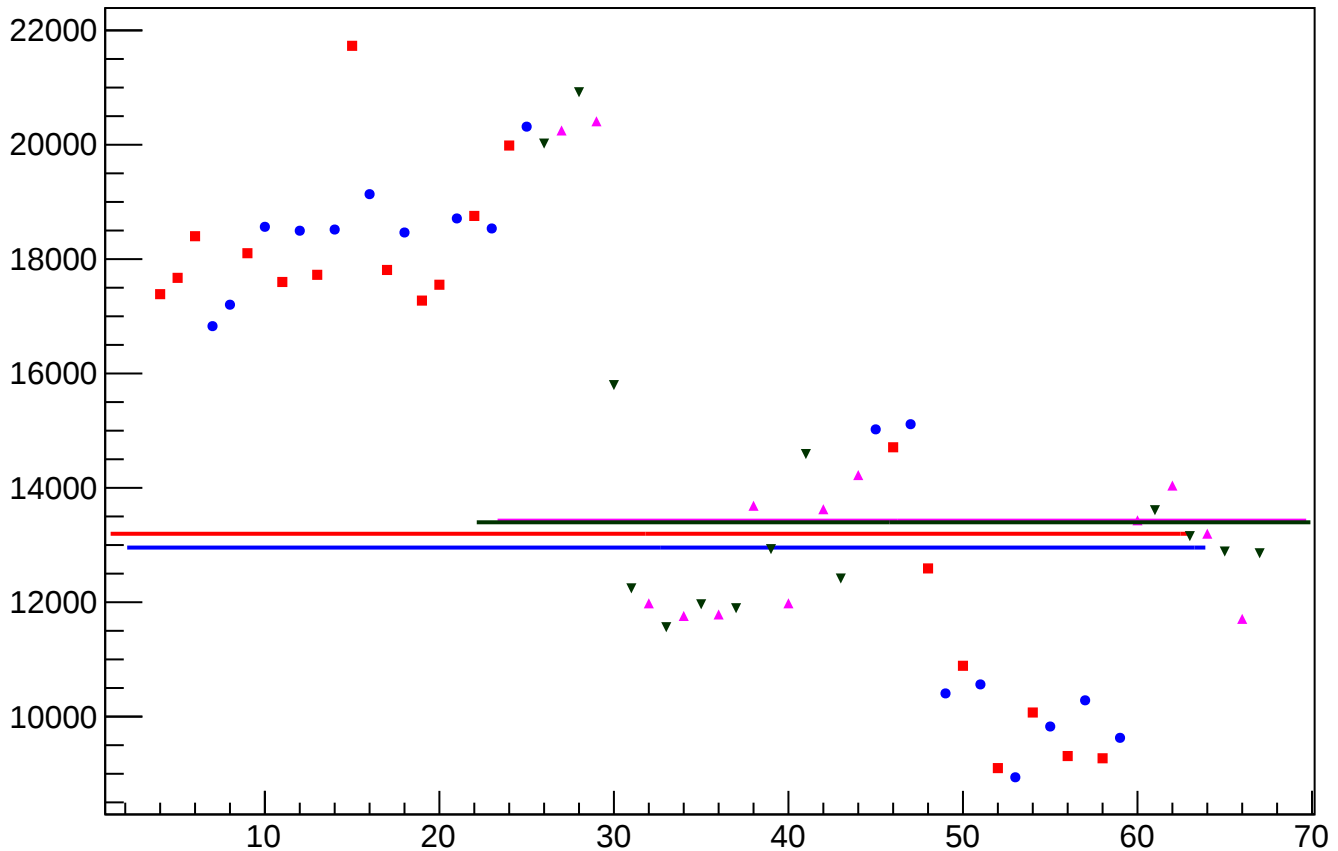
Right Out: -16.388 ± 4.377 $\chi^2/\text{NDF}: 27.5/18$

Left In: 16.080 ± 4.909 $\chi^2/\text{NDF}: 19.1/12$

5.232 ± 3.148 $\chi^2/\text{NDF}: 175.4/31$

-2.008 ± 3.267 $\chi^2/\text{NDF}: 71.0/31$

diff_bpm0l07X_rms vs slug



Right In: 12955.913+/-2.853 χ^2/NDF : 1900634.7/17

Left Out: 13397.851+/-3.557 χ^2/NDF : 406875.2/13

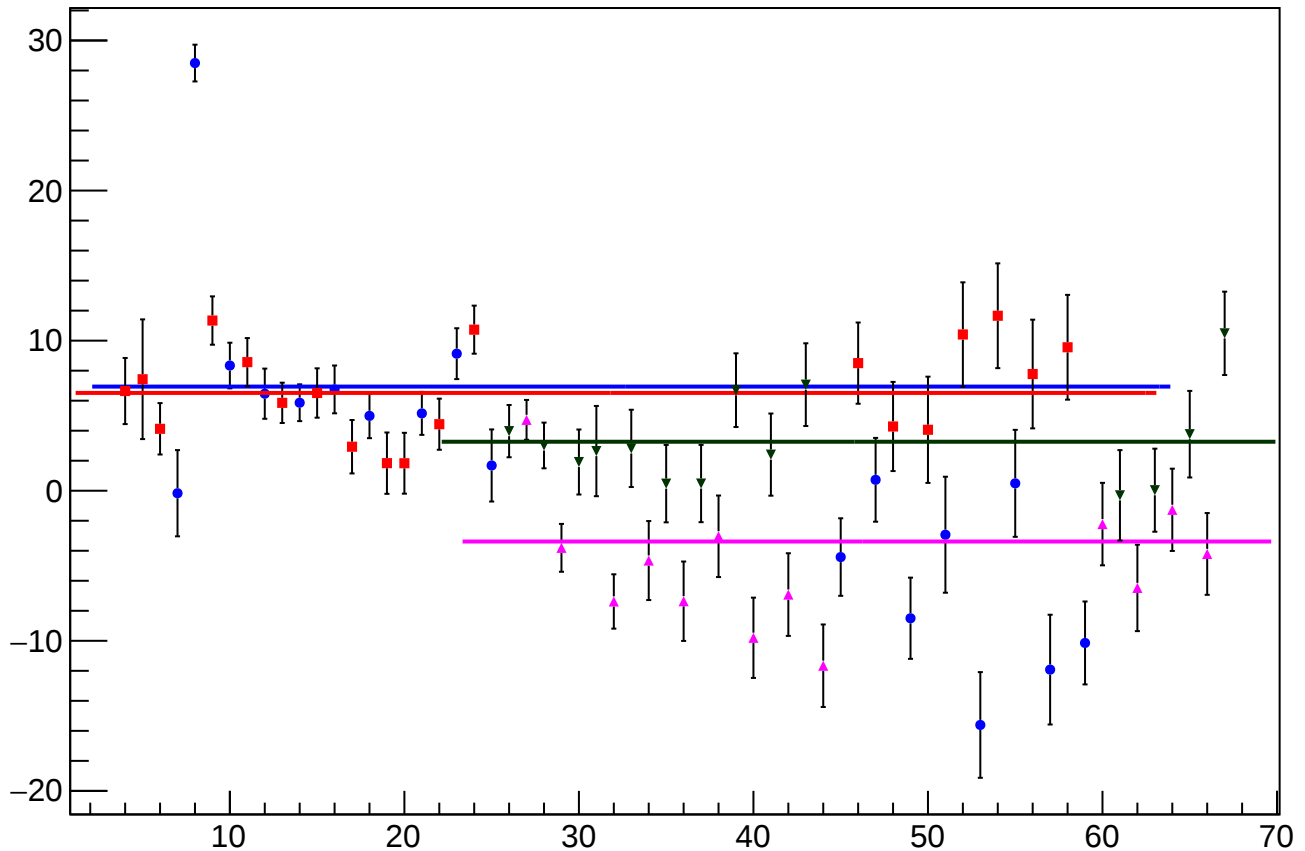
13128.914+/-2.226 χ^2/NDF : 2316901.1/31

Right Out: 13197.185+/-3.095 χ^2/NDF : 1767752.6/18

13298.762+/-2.310 χ^2/NDF : 2271107.1/31

Left In: 13426.530+/-3.471 χ^2/NDF : 500922.5/12

diff_bpm0l07Y_mean vs slug



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

Left Out: 3.264 ± 0.638 χ^2/NDF : 16.5/13

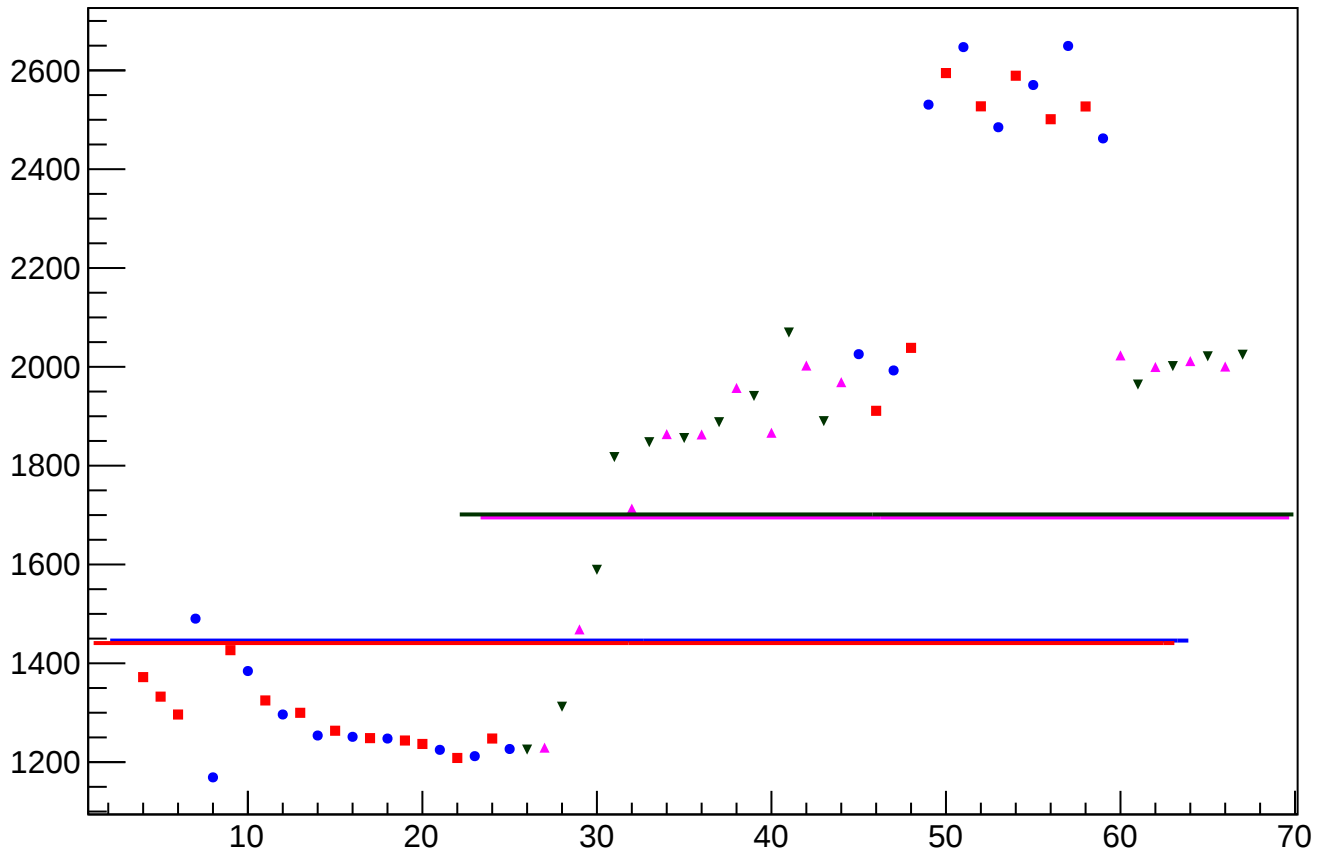
Right Out: 6.517 ± 0.472 χ^2/NDF : 41.8/18

Left In: -3.383 ± 0.619 χ^2/NDF : 63.2/12

5.719 ± 0.367 χ^2/NDF : 538.2/31

2.878 ± 0.375 χ^2/NDF : 267.1/31

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

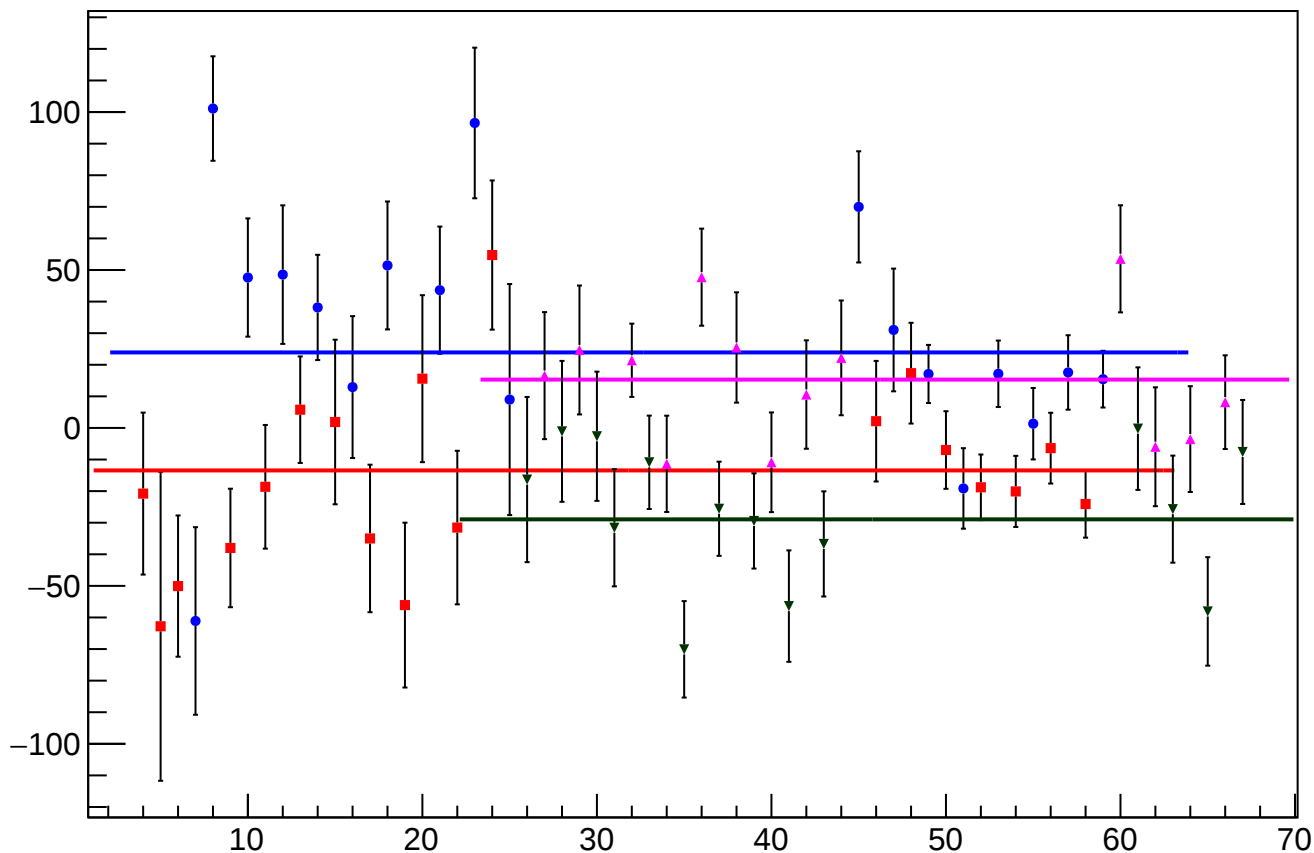
1530.755+/-0.260 χ^2/NDF : 2573036.6/31

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

1534.436+/-0.265 χ^2/NDF : 2024297.4/31

Left In: 1695.247+/-0.437 χ^2/NDF : 477344.2/12

diff_bpm0l08X_mean vs slug



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

Left Out: -28.943 ± 4.633 $\chi^2/\text{NDF}: 21.7/13$

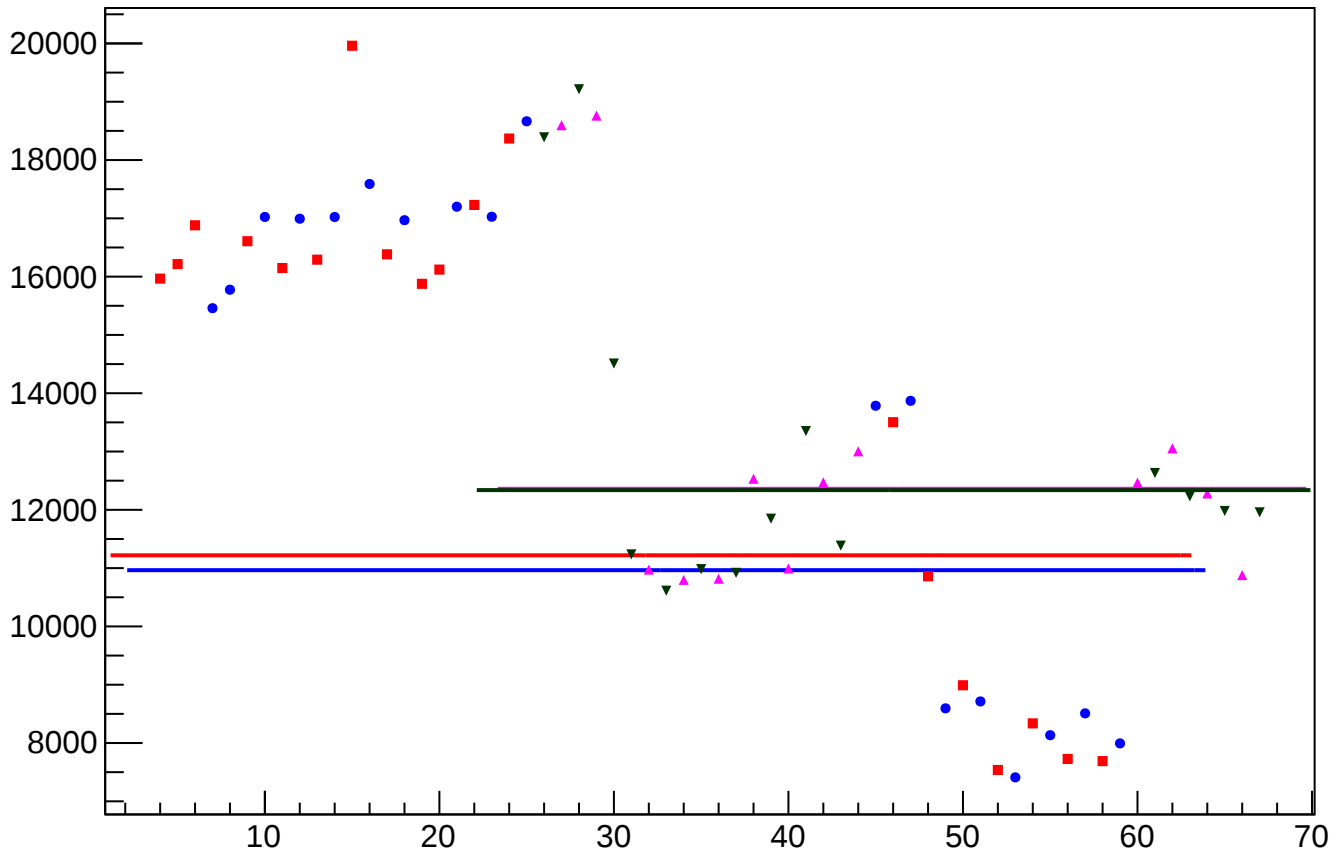
Right Out: -13.450 ± 3.783 $\chi^2/\text{NDF}: 27.5/18$

Left In: 15.308 ± 4.519 $\chi^2/\text{NDF}: 19.2/12$

4.915 ± 2.777 $\chi^2/\text{NDF}: 175.7/31$

-1.599 ± 2.901 $\chi^2/\text{NDF}: 70.5/31$

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

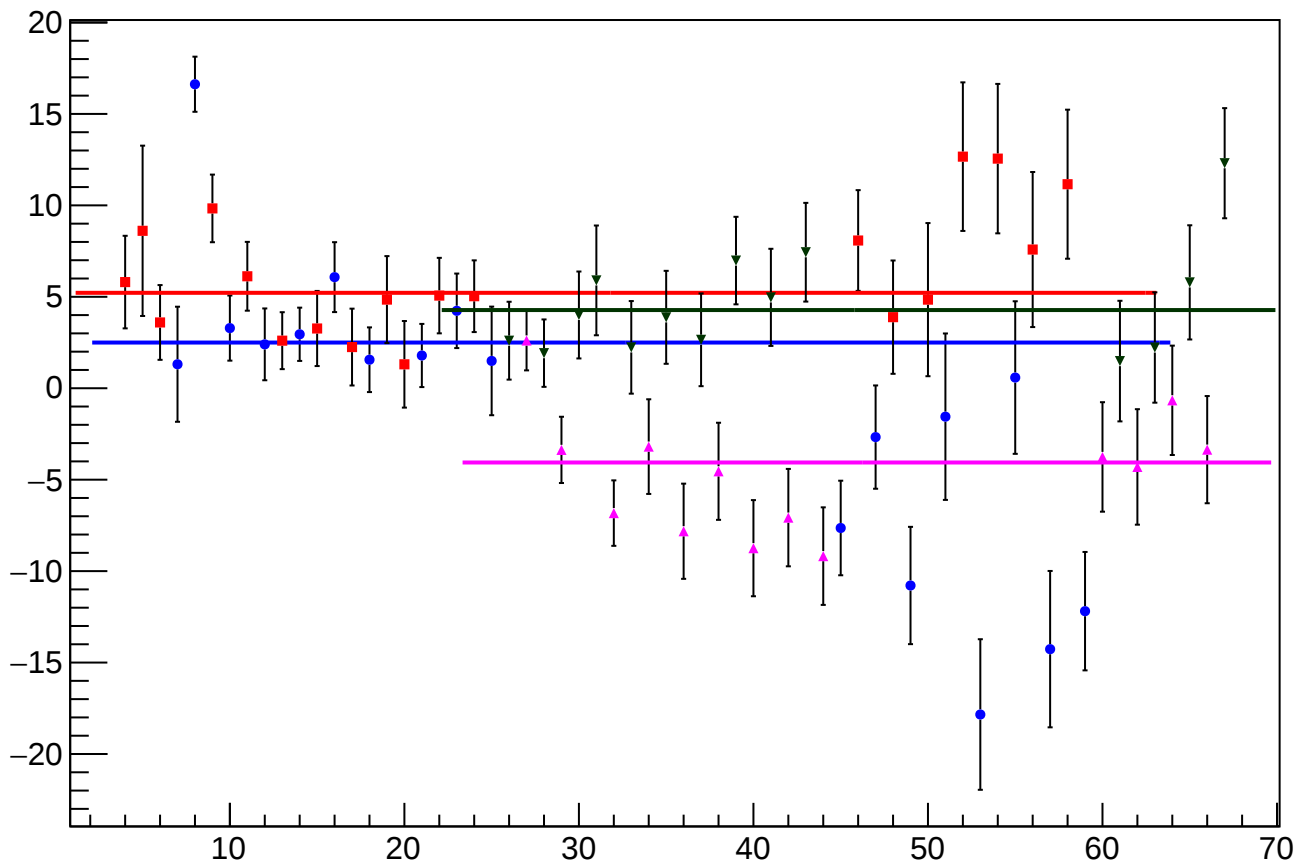
11458.346+/-1.964 χ^2/NDF : 3069100.4/31

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

11689.937+/-2.051 χ^2/NDF : 2918371.1/31

Left In: 12360.453+/-3.195 χ^2/NDF : 499519.0/12

diff_bpm0l08Y_mean vs slug



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

Left Out: 4.275 ± 0.684 χ^2/NDF : 14.9/13

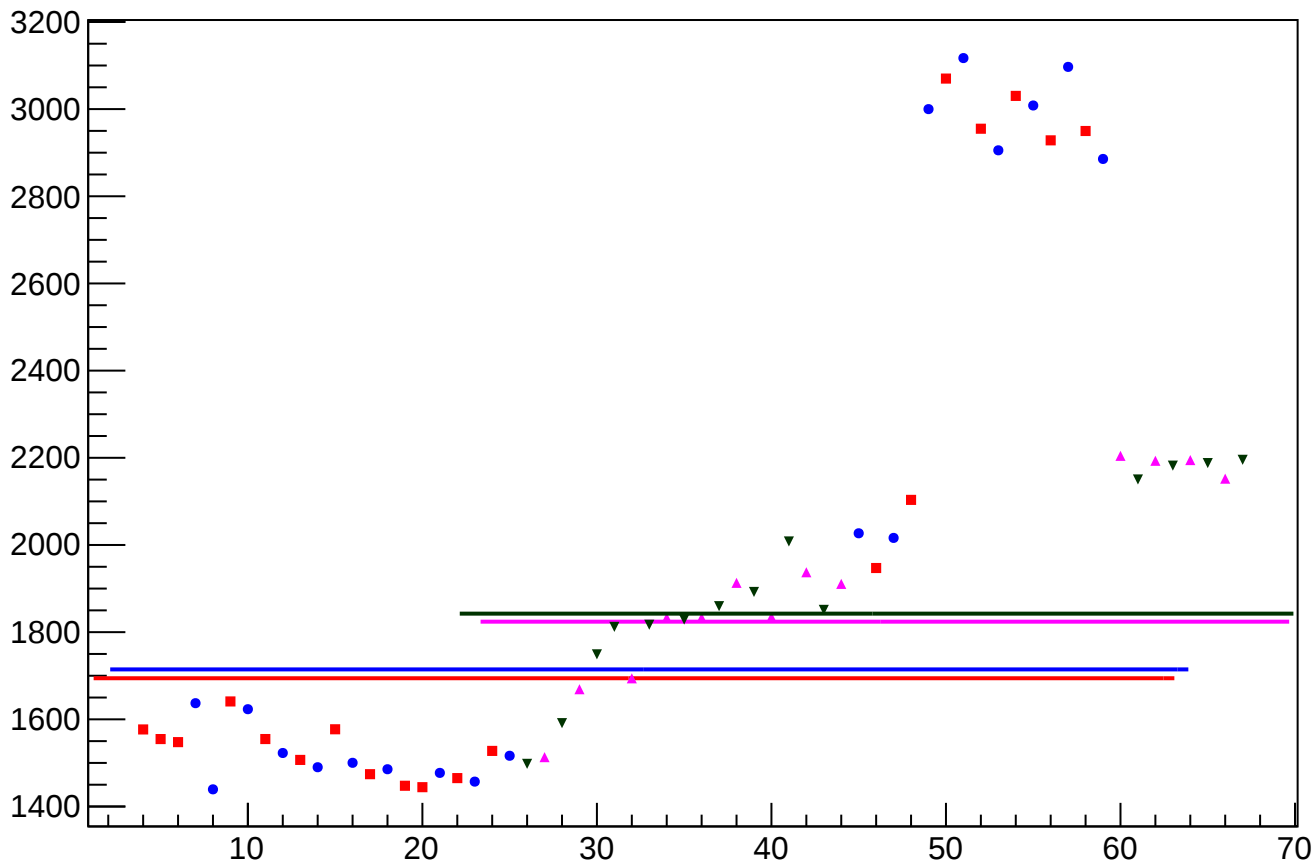
Right Out: 5.218 ± 0.553 χ^2/NDF : 26.5/18

Left In: -4.060 ± 0.660 χ^2/NDF : 30.9/12

3.166 ± 0.419 χ^2/NDF : 209.4/31

1.392 ± 0.424 χ^2/NDF : 173.6/31

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

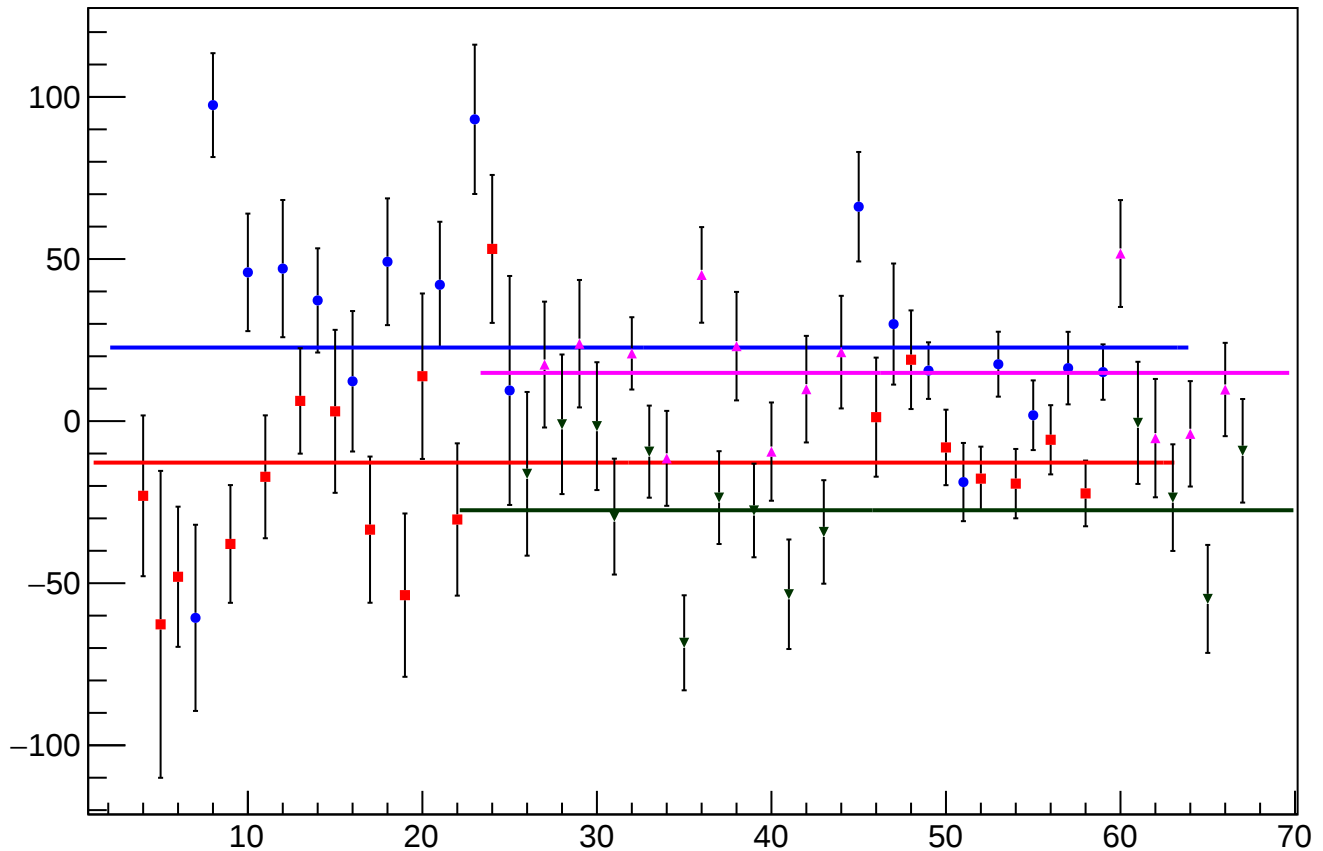
Right Out: 1694.263+/-0.391 χ^2/NDF : 1202765.8/18

Left In: 1824.055+/-0.467 χ^2/NDF : 221051.9/12

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

1747.786+/-0.300 χ^2/NDF : 1469285.2/31

diff_bpm0l09X_mean vs slug



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

Left Out: -27.494 ± 4.464 $\chi^2/\text{NDF}: 21.6/13$

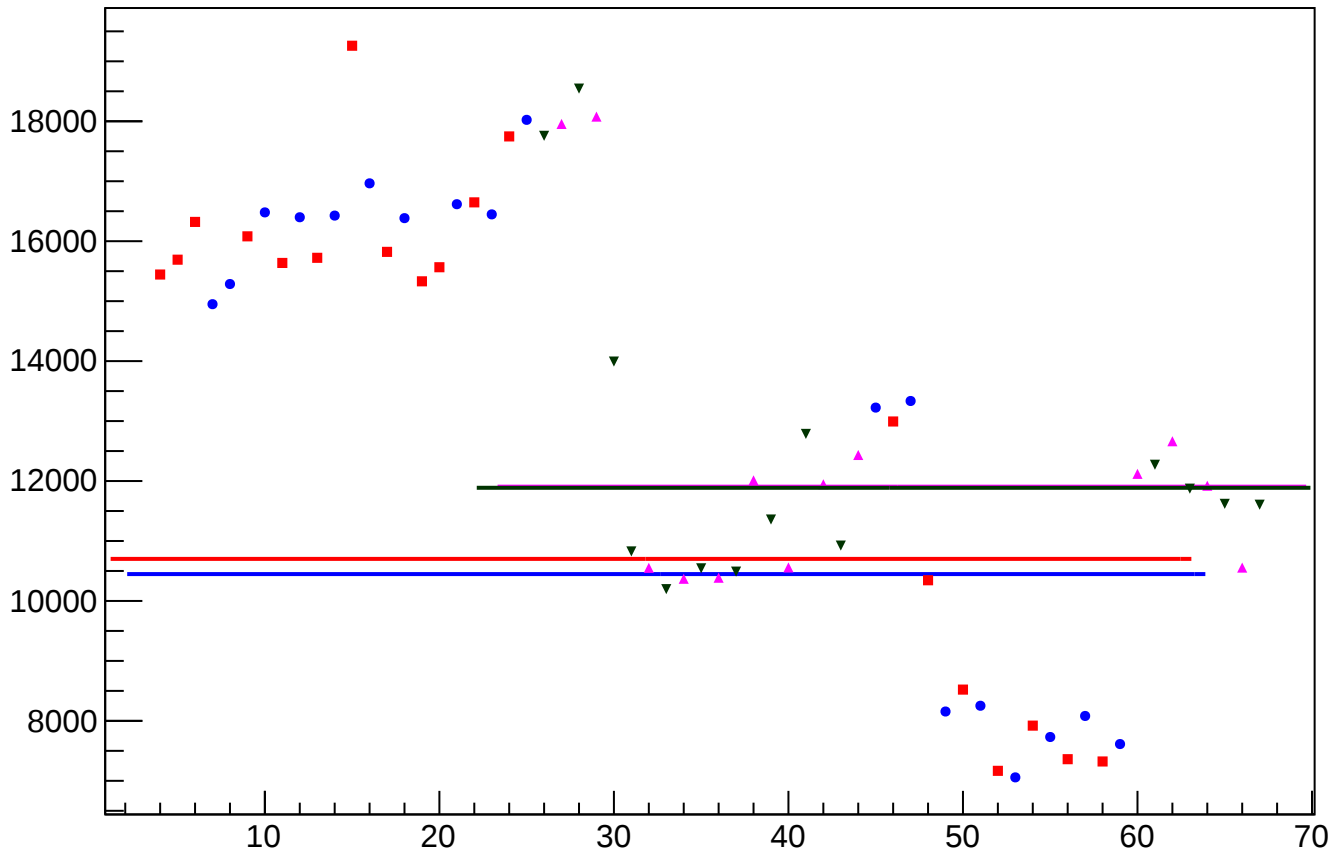
Right Out: -12.799 ± 3.618 $\chi^2/\text{NDF}: 28.2/18$

Left In: 14.880 ± 4.353 $\chi^2/\text{NDF}: 18.7/12$

4.860 ± 2.661 $\chi^2/\text{NDF}: 174.0/31$

-1.490 ± 2.783 $\chi^2/\text{NDF}: 70.7/31$

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

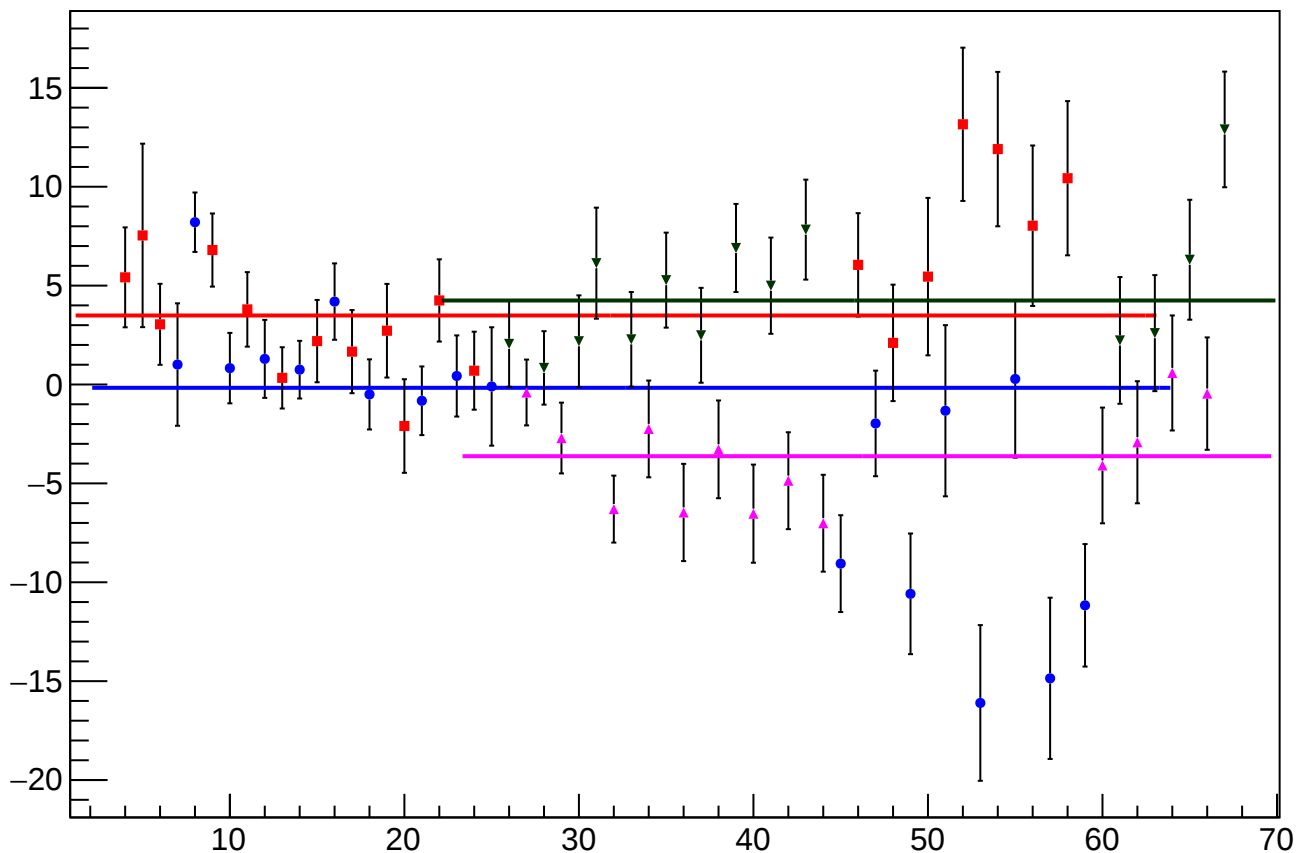
10959.675+/-1.882 χ^2/NDF : 3199653.8/31

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

11193.788+/-1.968 χ^2/NDF : 3032252.7/31

Left In: 11906.466+/-3.078 χ^2/NDF : 503122.9/12

diff_bpm0l09Y_mean vs slug



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

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

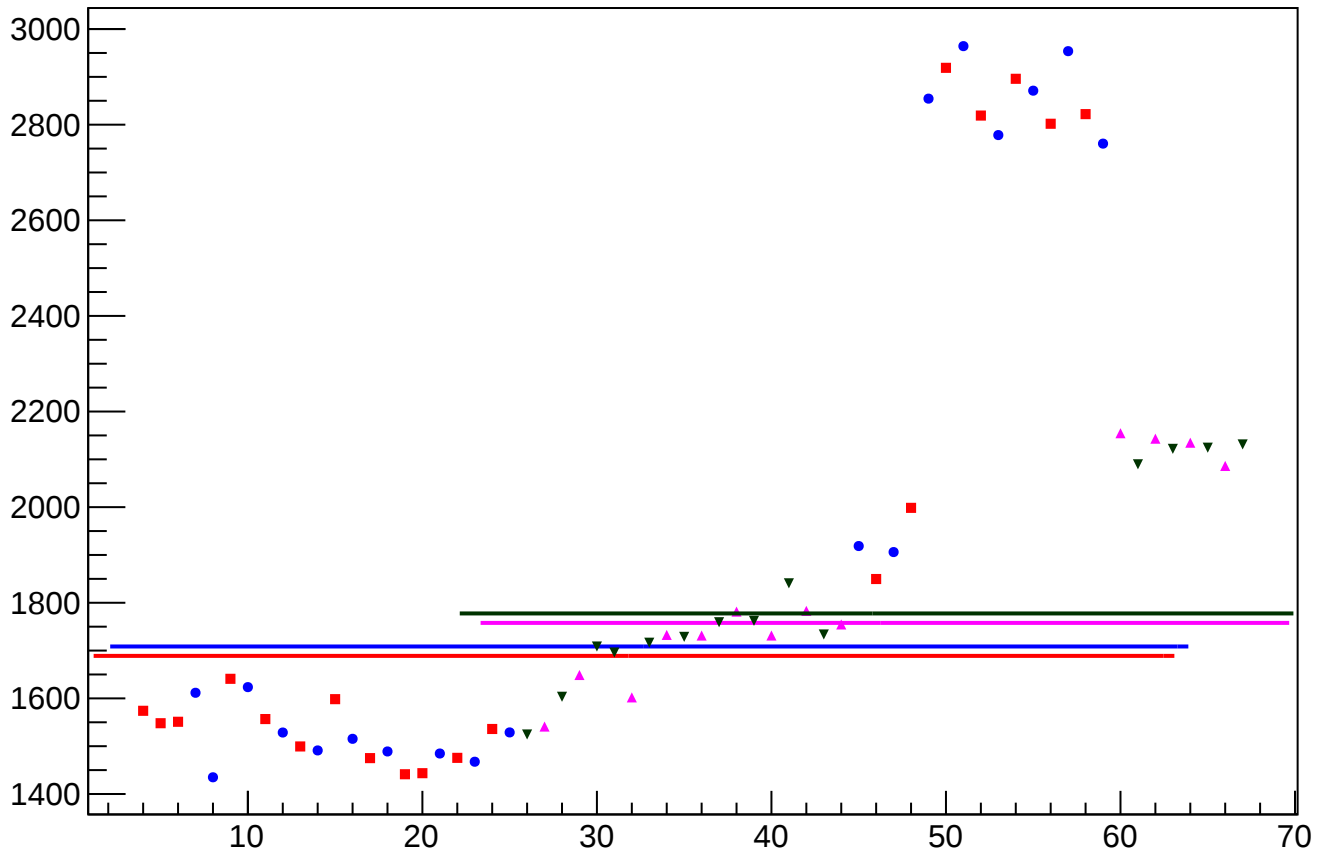
Right Out: 3.490 ± 0.549 $\chi^2/\text{NDF}: 34.4/18$

Left In: -3.626 ± 0.635 $\chi^2/\text{NDF}: 15.1/12$

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

0.448 ± 0.415 $\chi^2/\text{NDF}: 121.4/31$

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

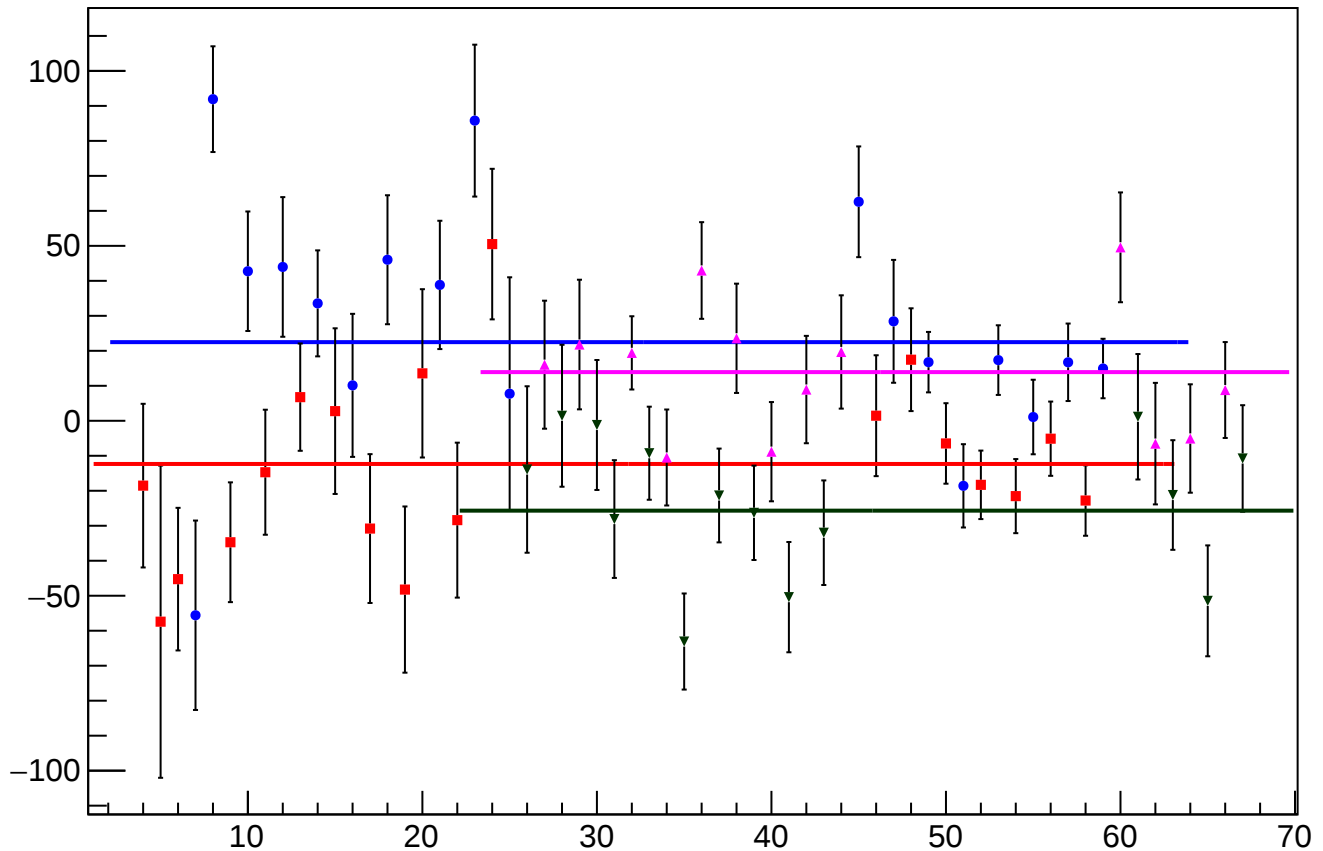
1735.450+/-0.291 χ^2/NDF : 1632658.1/31

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

1718.396+/-0.294 χ^2/NDF : 1259768.5/31

Left In: 1757.893+/-0.449 χ^2/NDF :187630.0/12

diff_bpm0l10X_mean vs slug



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

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

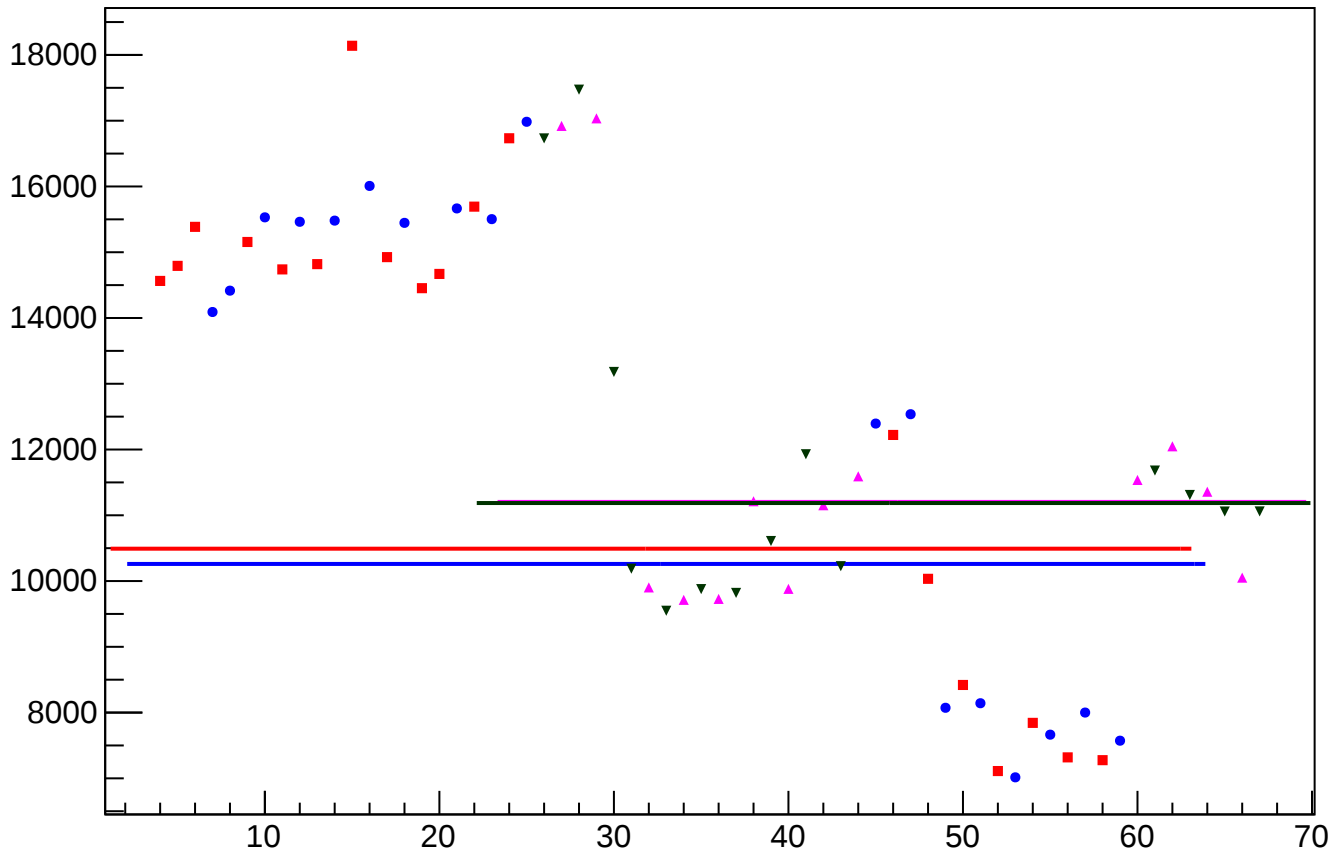
Left Out: -25.683 ± 4.202 $\chi^2/\text{NDF}: 21.4/13$

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

-1.203 ± 2.668 $\chi^2/\text{NDF}: 71.4/31$

Left In: 13.914 ± 4.097 $\chi^2/\text{NDF}: 19.4/12$

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

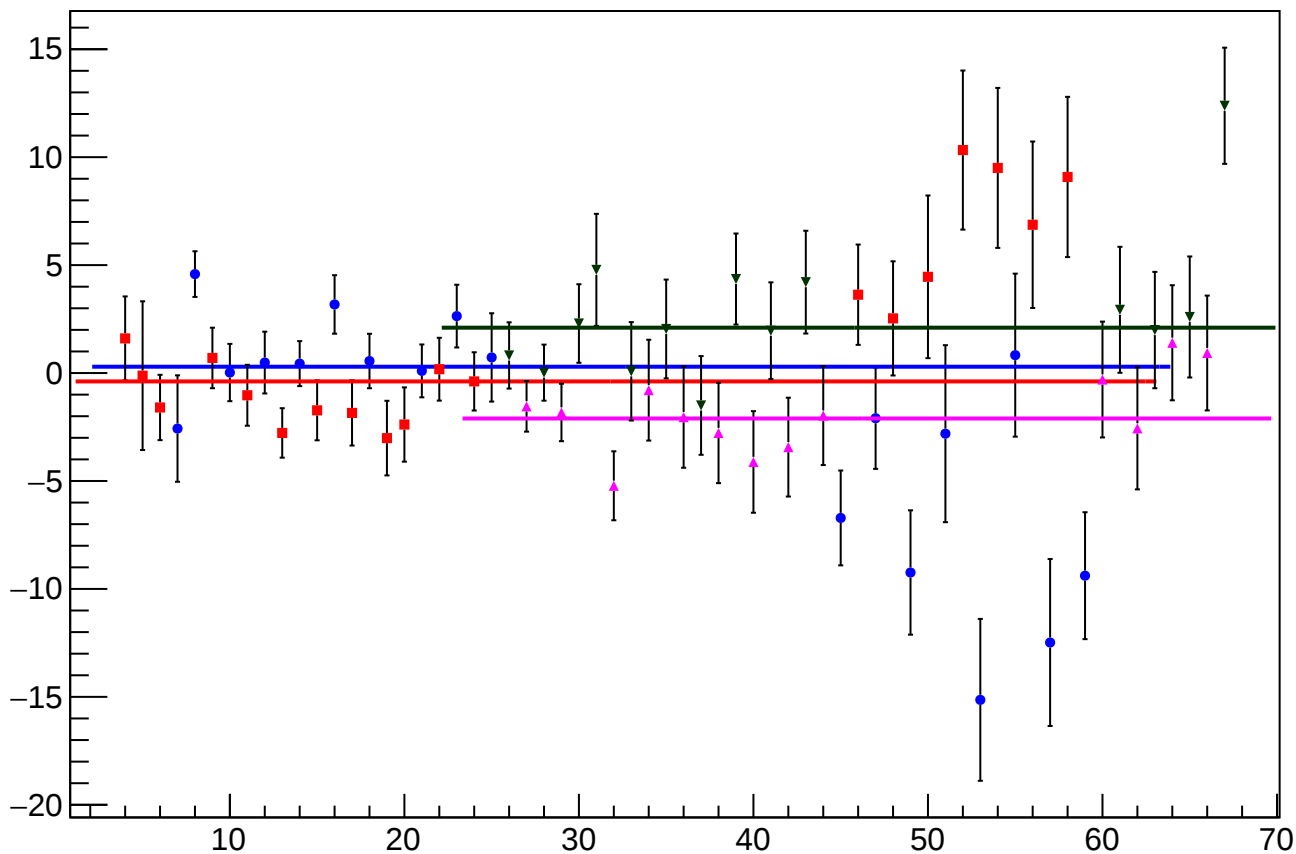
10603.882 $\pm$ 1.810 χ^2 /NDF: 2799451.7/31

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

10793.722 $\pm$ 1.887 χ^2 /NDF: 2682864.9/31

Left In: 11203.151 $\pm$ 2.897 χ^2 /NDF: 509308.9/12

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

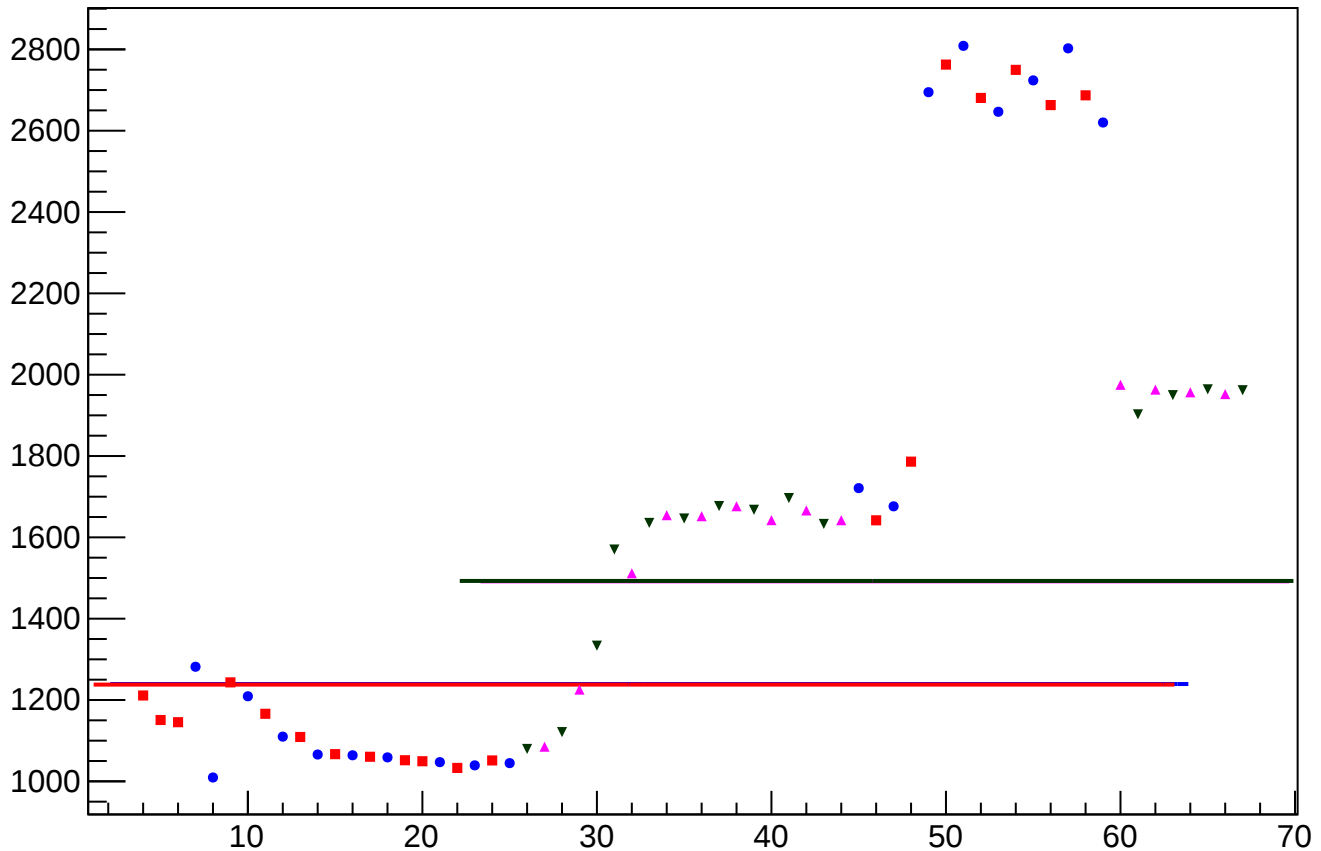
Right Out: -0.388 ± 0.412 χ^2/NDF : 44.0/18

Left In: -2.105 ± 0.547 χ^2/NDF : 9.1/12

0.887 ± 0.322 χ^2/NDF : 117.8/31

-1.009 ± 0.329 χ^2/NDF : 59.4/31

diff_bpm0l10Y_rms vs slug



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

Left Out: 1492.794 $\pm$ 0.398 χ^2 /NDF:607277.8/13

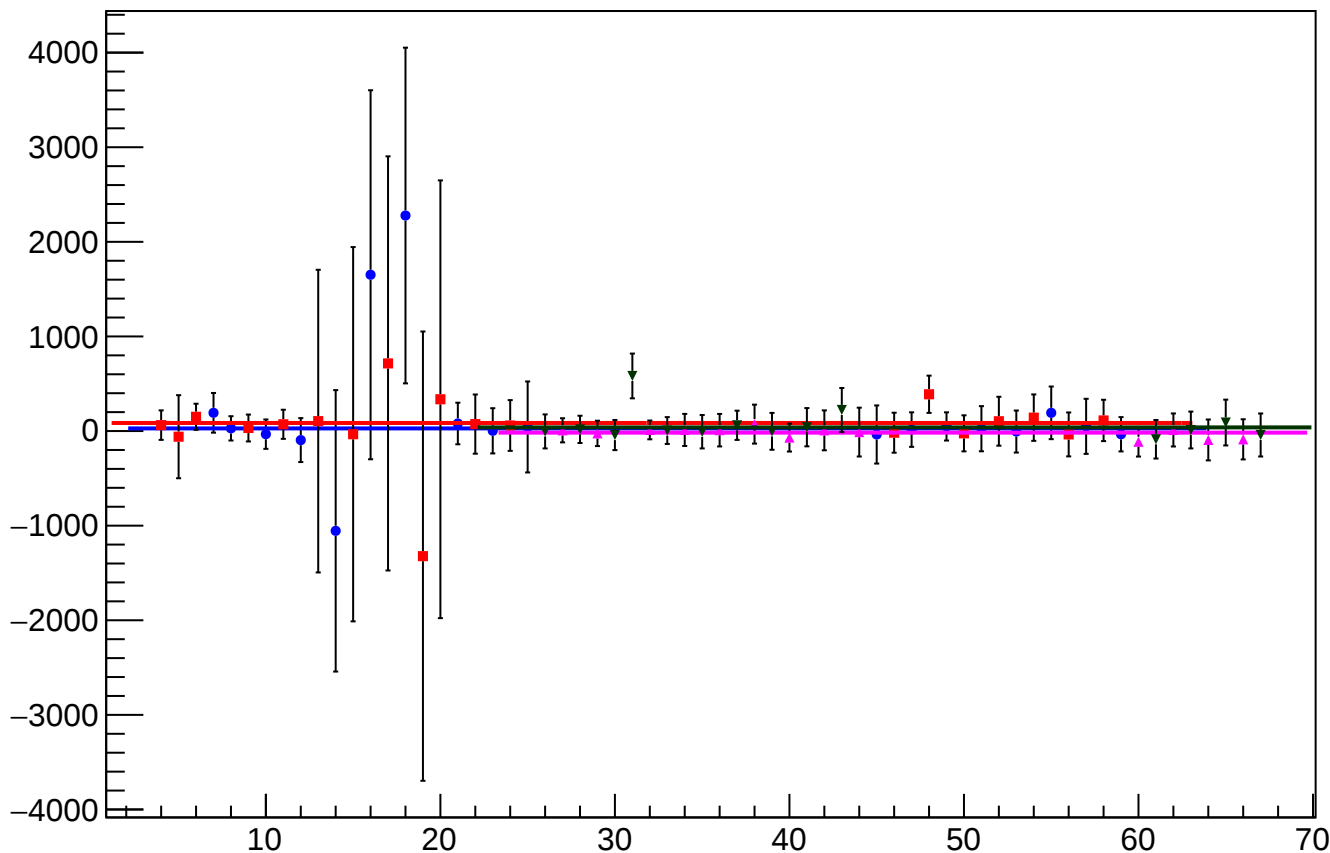
Right Out: 1237.907 $\pm$ 0.291 χ^2 /NDF: 1914347.8/18

Left In: 1491.818 $\pm$ 0.387 χ^2 /NDF:622719.3/12

1322.457 $\pm$ 0.228 χ^2 /NDF: 3556155.3/31

1329.795 $\pm$ 0.233 χ^2 /NDF: 2812186.5/31

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs slug



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

Left Out: 38.571+/-49.007 χ^2/NDF : 7.0/13

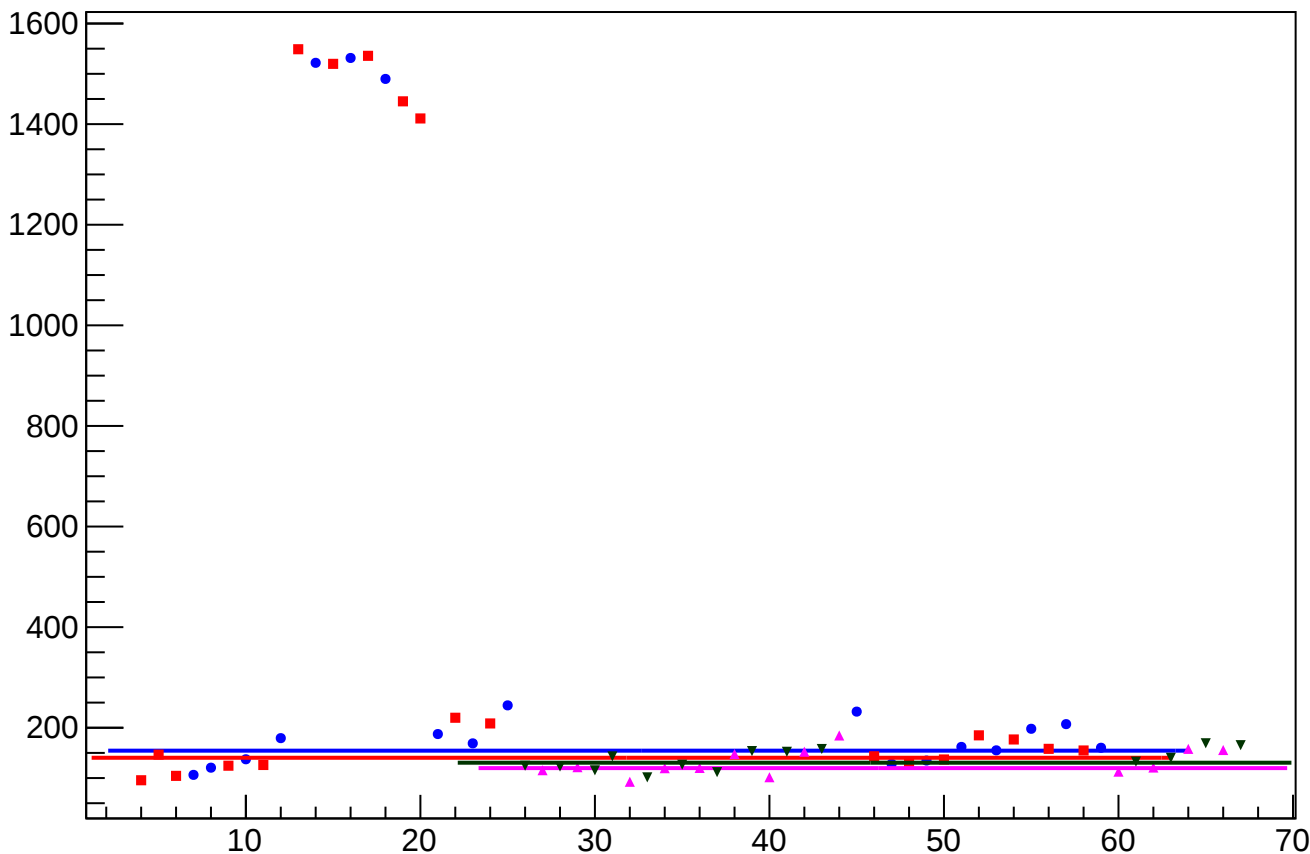
Right Out: 85.325+/-52.506 χ^2/NDF : 4.3/18

Left In: -16.865+/-44.213 χ^2/NDF : 1.2/12

33.569+/-35.760 χ^2/NDF : 11.5/31

25.533+/-33.820 χ^2/NDF : 7.6/31

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs slug



Right In: 154.452+/-0.037 χ^2/NDF : 4556738.2/17

Left Out: 130.516+/-0.035 χ^2/NDF : 328594.9/13

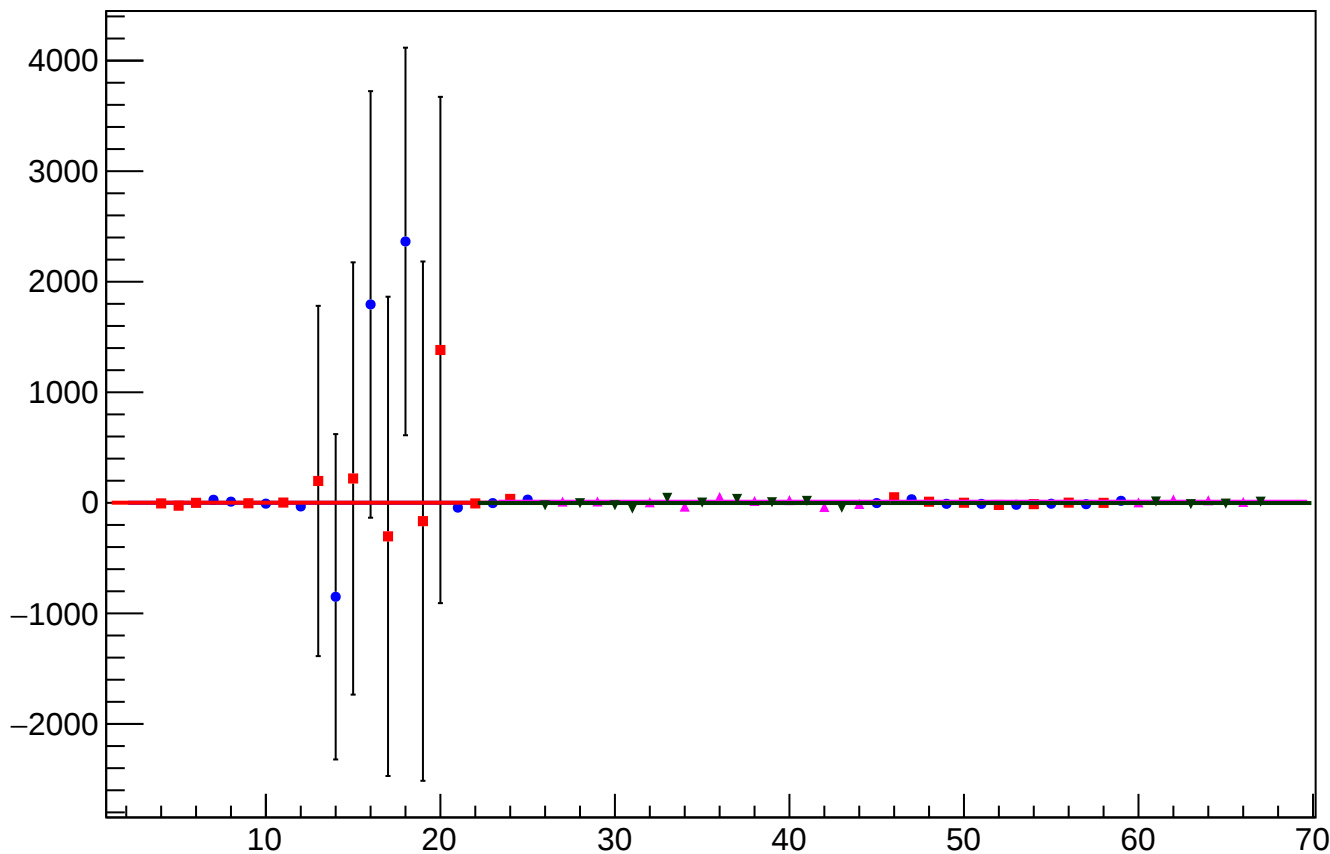
141.707+/-0.025 χ^2/NDF : 5108412.6/31

Right Out: 140.345+/-0.037 χ^2/NDF : 5274055.6/18

128.311+/-0.024 χ^2/NDF : 5971314.8/31

Left In: 119.778+/-0.031 χ^2/NDF : 517697.1/12

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs slug



Right In: 0.581 $\pm$ 4.614 χ^2 /NDF: 16.6/17

Left Out: -1.783 $\pm$ 6.024 χ^2 /NDF:15.7/13

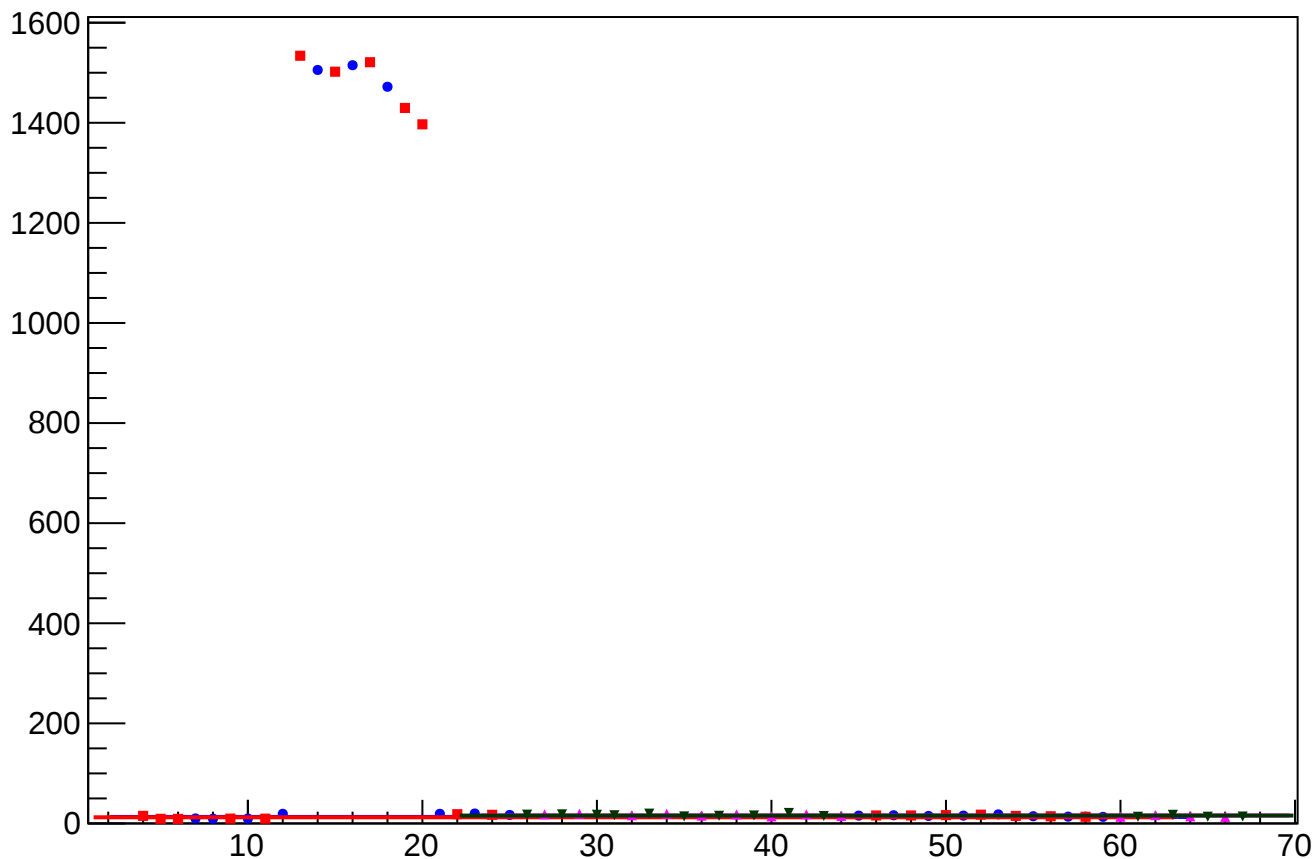
Right Out: 1.382 $\pm$ 4.789 χ^2 /NDF: 9.5/18

Left In: 10.056 $\pm$ 5.948 χ^2 /NDF:11.9/12

-0.293 $\pm$ 3.663 χ^2 /NDF: 32.4/31

4.793 $\pm$ 3.730 χ^2 /NDF: 22.6/31

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

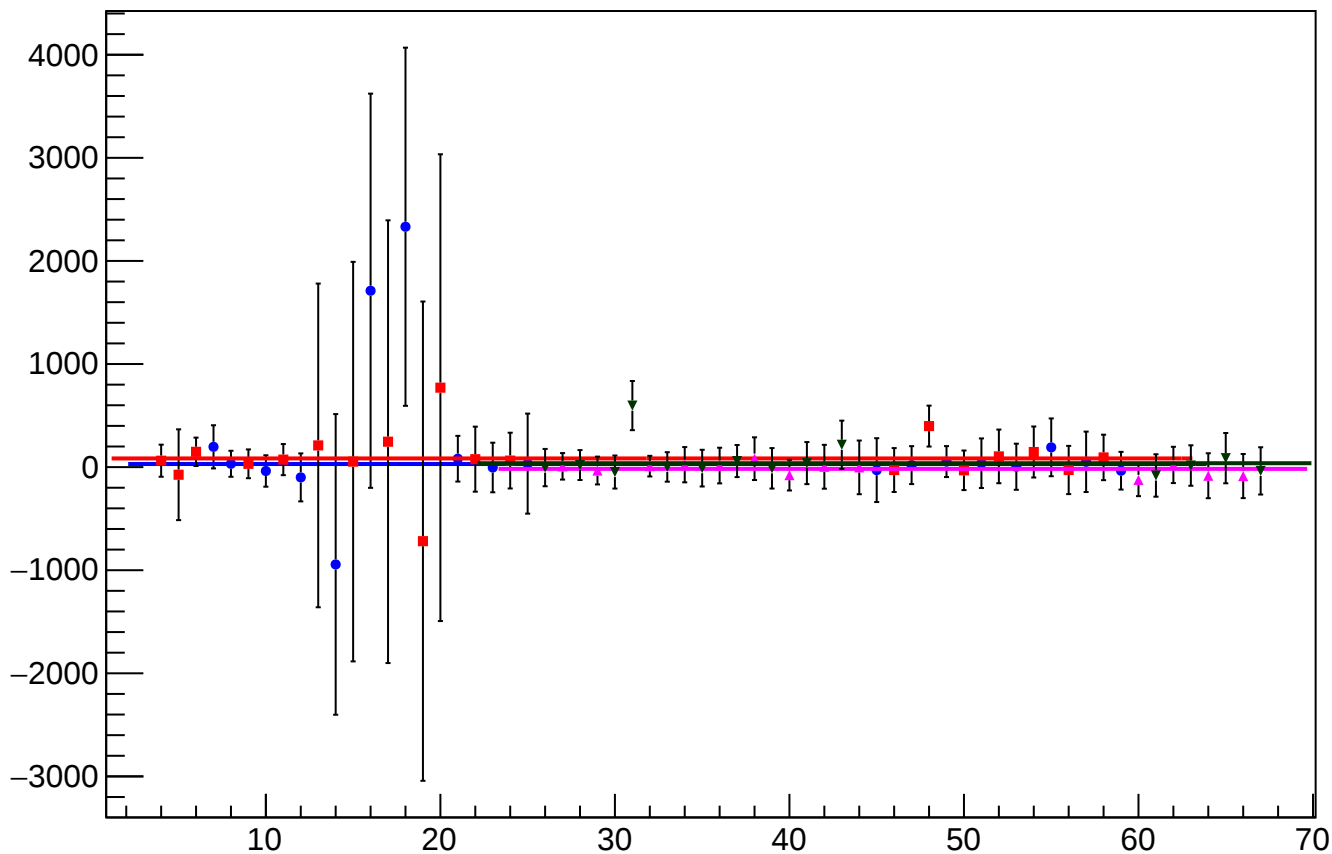
Right Out: 12.312 $\pm$ 0.003 χ^2 /NDF: 6373010.7/18

Left In: 15.921 $\pm$ 0.004 χ^2 /NDF: 246204.5/12

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

13.732 $\pm$ 0.003 χ^2 /NDF: 7065996.9/31

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

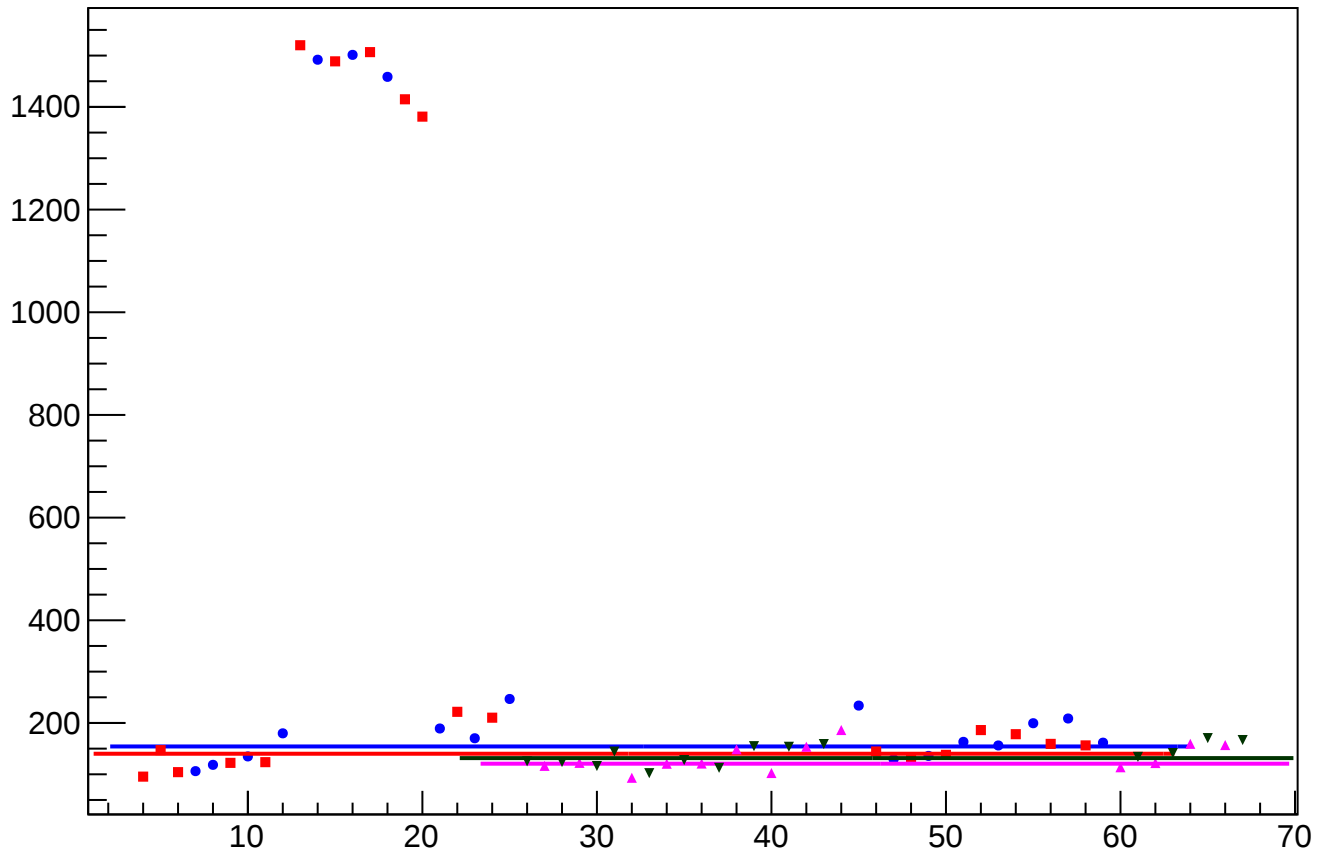
Right Out: 84.316+/-52.424 χ^2/NDF : 4.2/18

Left In: -17.104+/-44.546 χ^2/NDF : 1.3/12

34.146+/-35.900 χ^2/NDF : 11.9/31

25.420+/-33.946 χ^2/NDF : 7.7/31

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

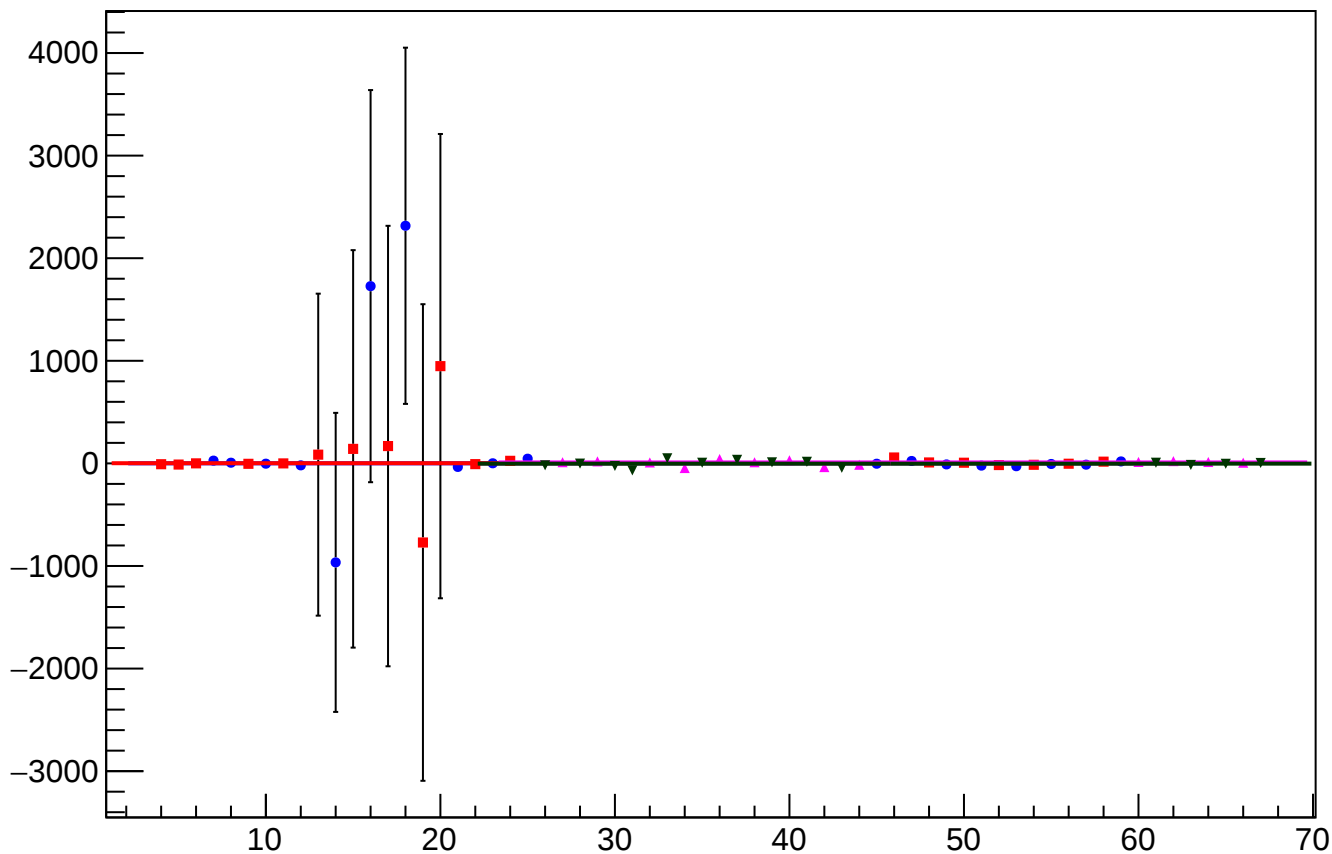
142.249+/-0.025 χ^2/NDF : 5113178.7/31

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

128.795+/-0.024 χ^2/NDF : 5967682.5/31

Left In: 120.668+/-0.031 χ^2/NDF : 519019.1/12

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

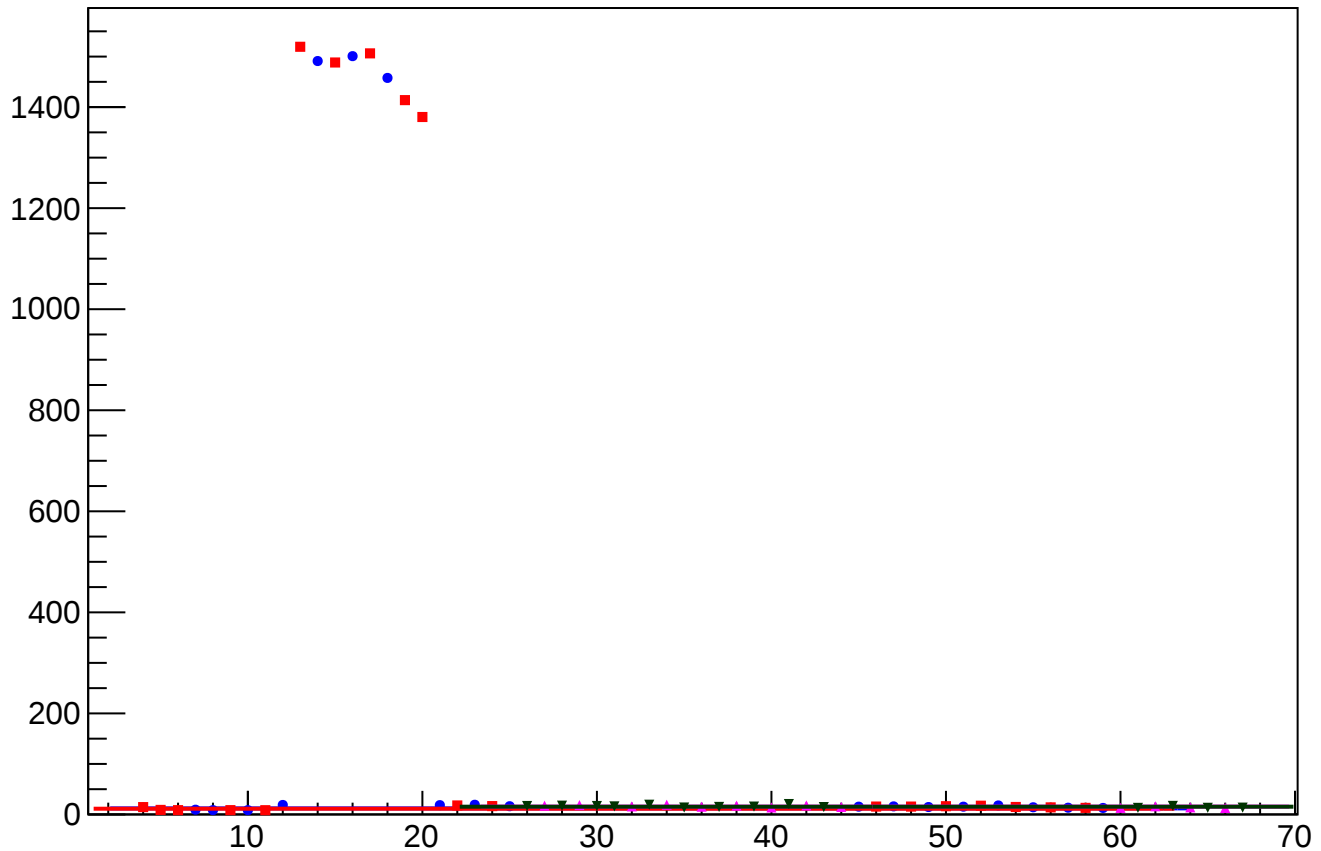
Right Out: 1.782 $\pm$ 4.470 χ^2 /NDF: 10.1/18

Left In: 9.587 $\pm$ 5.804 χ^2 /NDF:11.8/12

-0.439 $\pm$ 3.479 χ^2 /NDF: 34.9/31

4.688 $\pm$ 3.541 χ^2 /NDF: 23.1/31

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

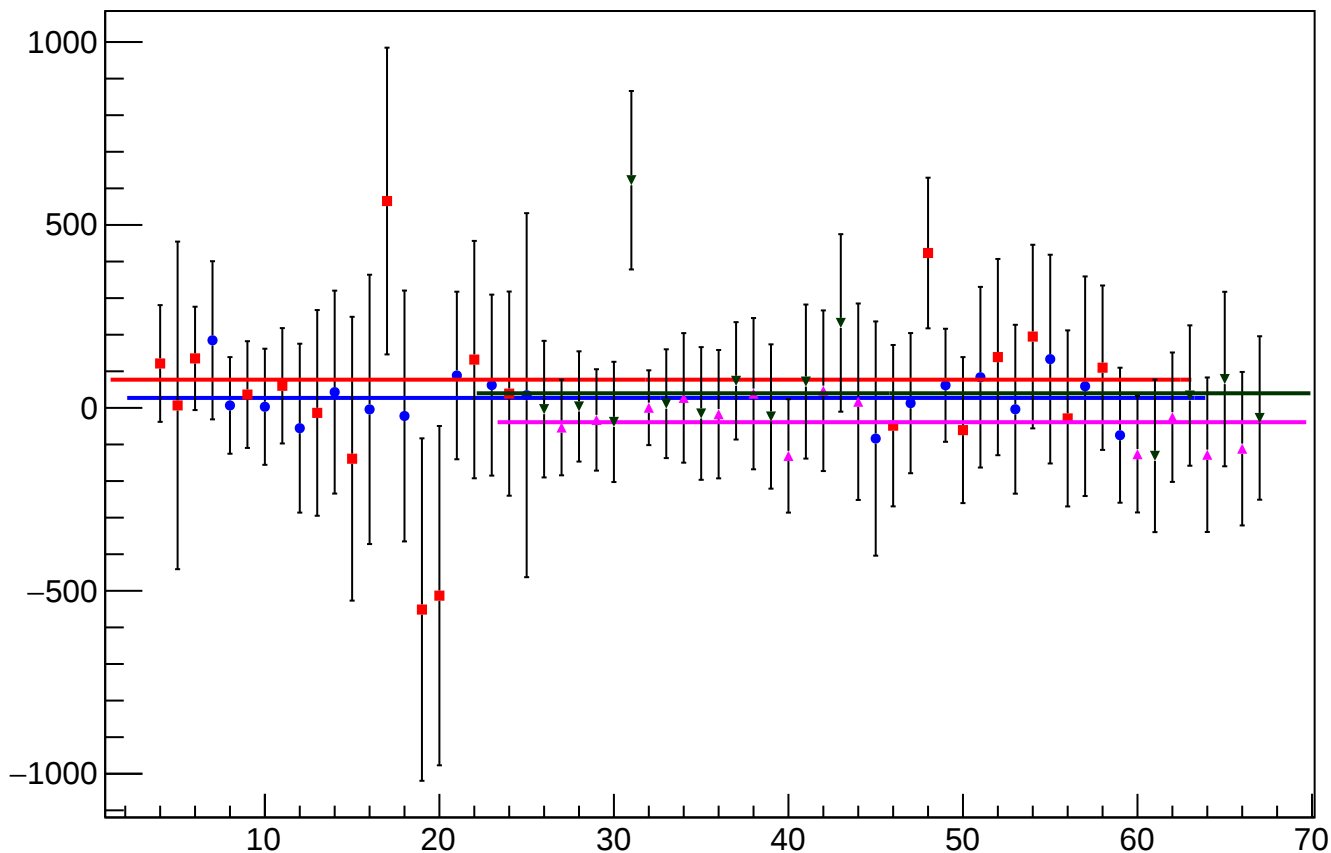
Right Out: 11.361 $\pm$ 0.003 χ^2 /NDF: 6645877.2/18

Left In: 15.514 $\pm$ 0.004 χ^2 /NDF: 233954.6/12

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

12.907 $\pm$ 0.003 χ^2 /NDF: 7522690.6/31

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

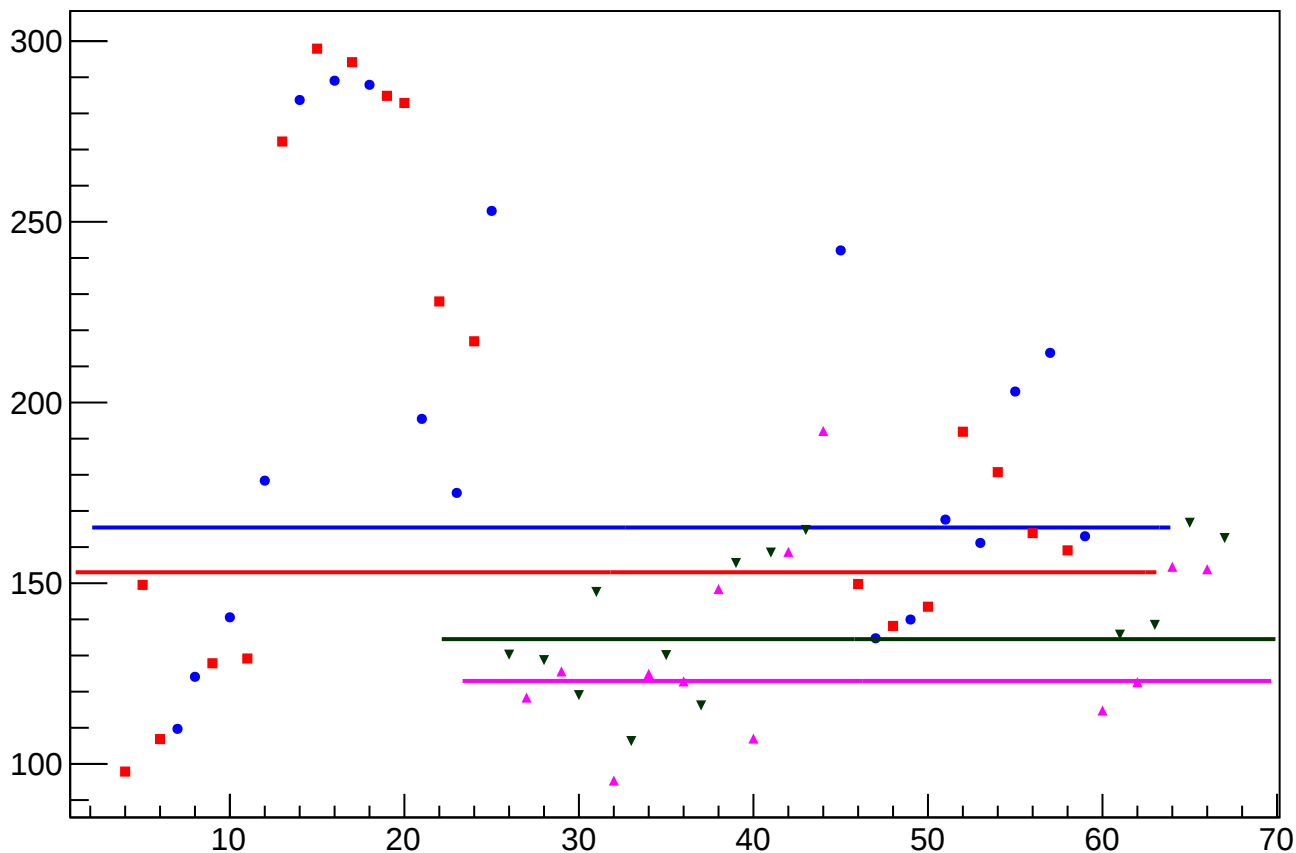
Right Out: 77.113+/-51.687 χ^2/NDF : 9.7/18

Left In: -39.110+/-45.323 χ^2/NDF : 1.6/12

33.755+/-36.118 χ^2/NDF : 9.3/31

11.410+/-34.077 χ^2/NDF : 14.2/31

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

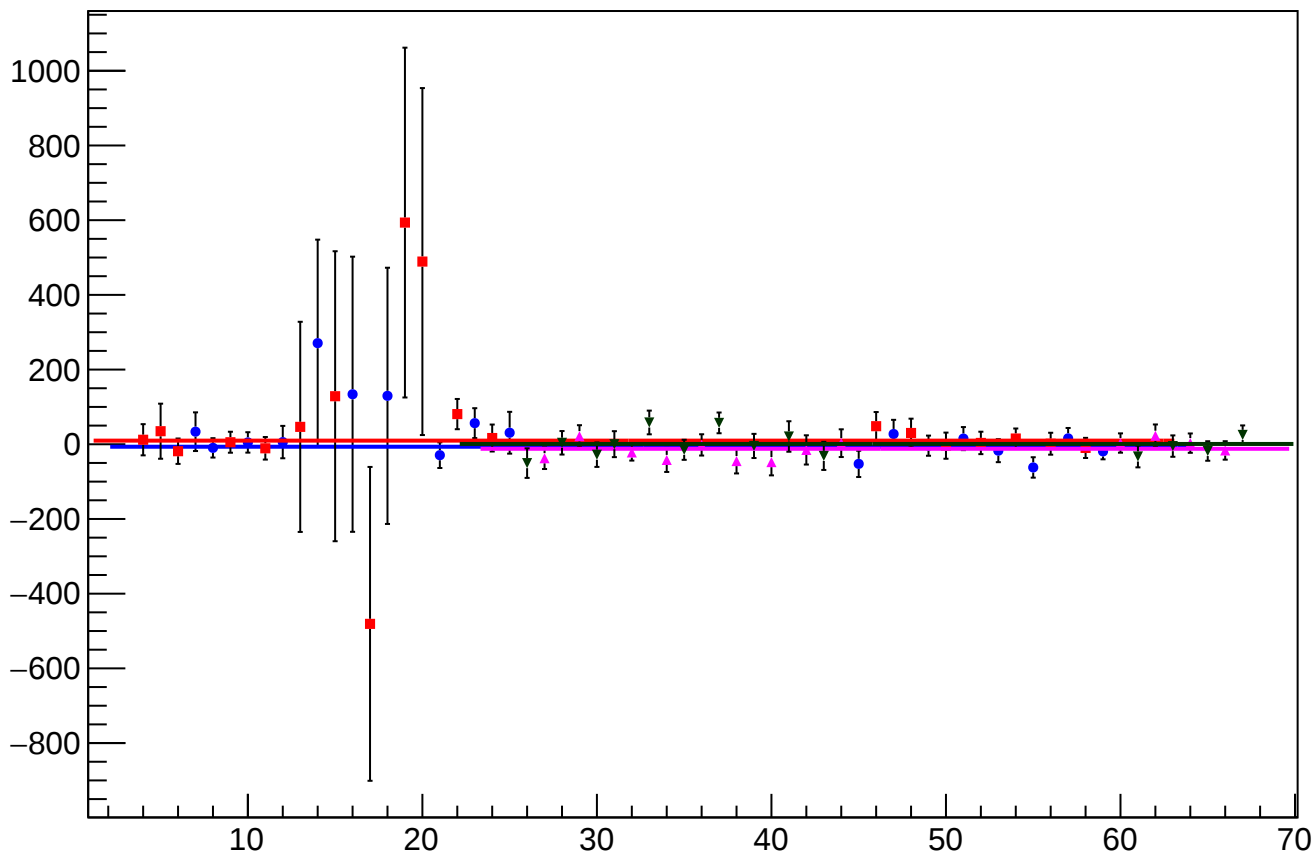
Right Out: 153.039 $\pm$ 0.037 χ^2/NDF : 2037868.3/18

Left In: 122.964 $\pm$ 0.032 χ^2/NDF : 479269.3/12

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

136.037 $\pm$ 0.024 χ^2/NDF : 2899962.7/31

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

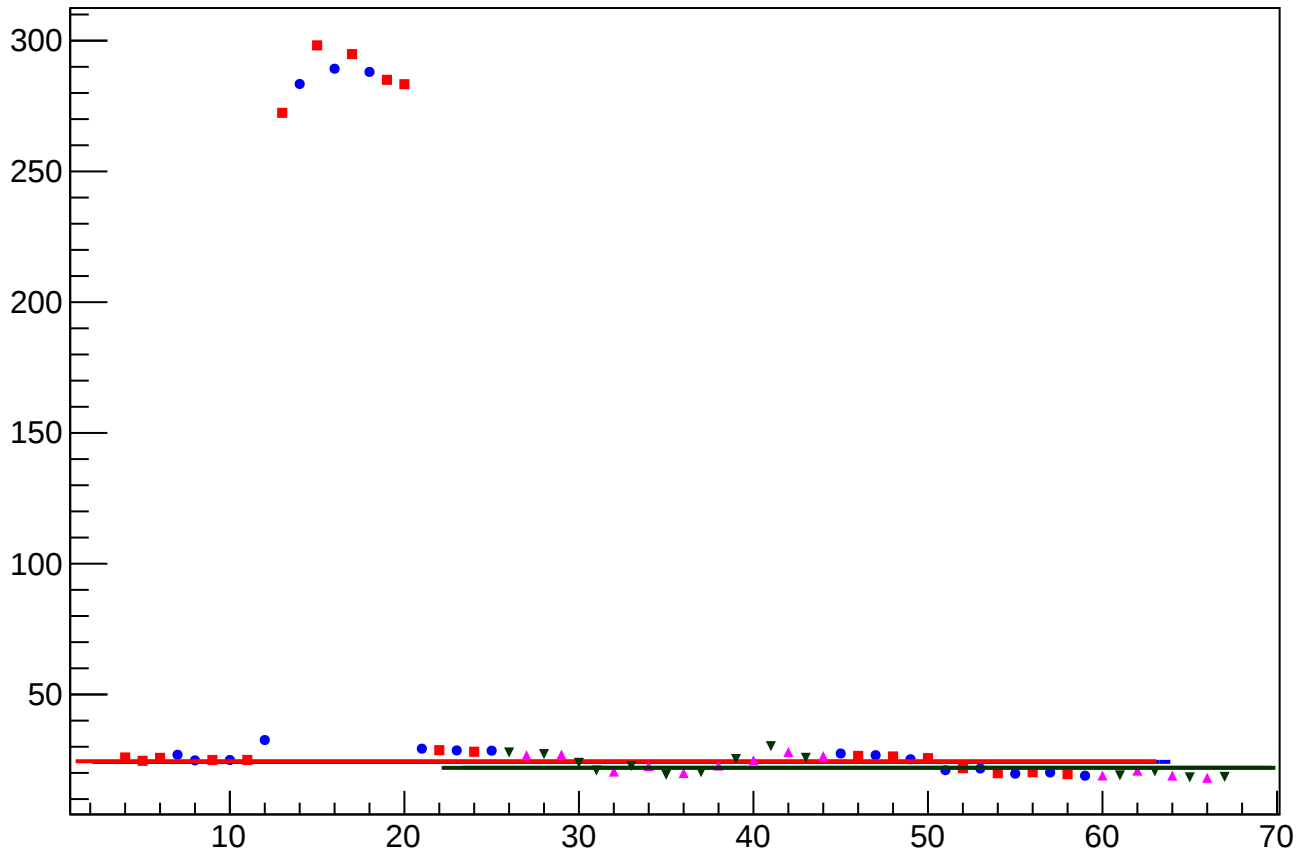
Right Out: 9.755+/-8.898 χ^2/NDF : 10.7/18

Left In: -12.113+/-8.049 χ^2/NDF :7.5/12

-2.931+/-5.760 χ^2/NDF : 28.2/31

-2.271+/-5.969 χ^2/NDF : 21.5/31

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs slug



Right In: 24.225+/-0.006 χ^2/NDF : 4413051.2/17

Left Out: 21.940+/-0.006 χ^2/NDF : 361170.3/13

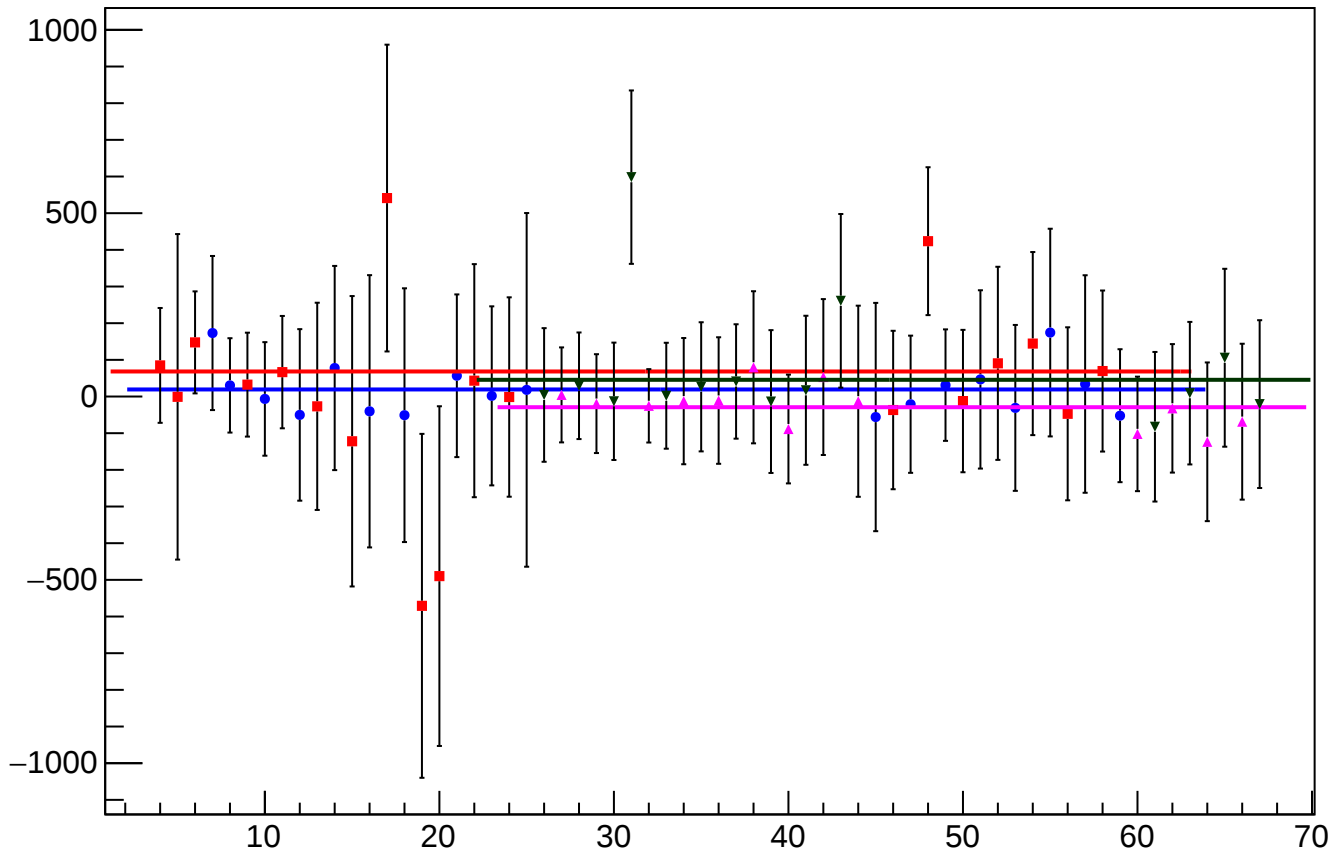
Right Out: 24.466+/-0.006 χ^2/NDF : 4859985.2/18

Left In: 22.011+/-0.006 χ^2/NDF : 327376.9/12

23.106+/-0.004 χ^2/NDF : 4852897.7/31

23.116+/-0.004 χ^2/NDF : 5271101.9/31

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs slug



Right In: 19.264 $\pm$ 50.913 χ^2 /NDF: 1.4/17

Left Out: 45.584 $\pm$ 49.348 χ^2 /NDF: 7.3/13

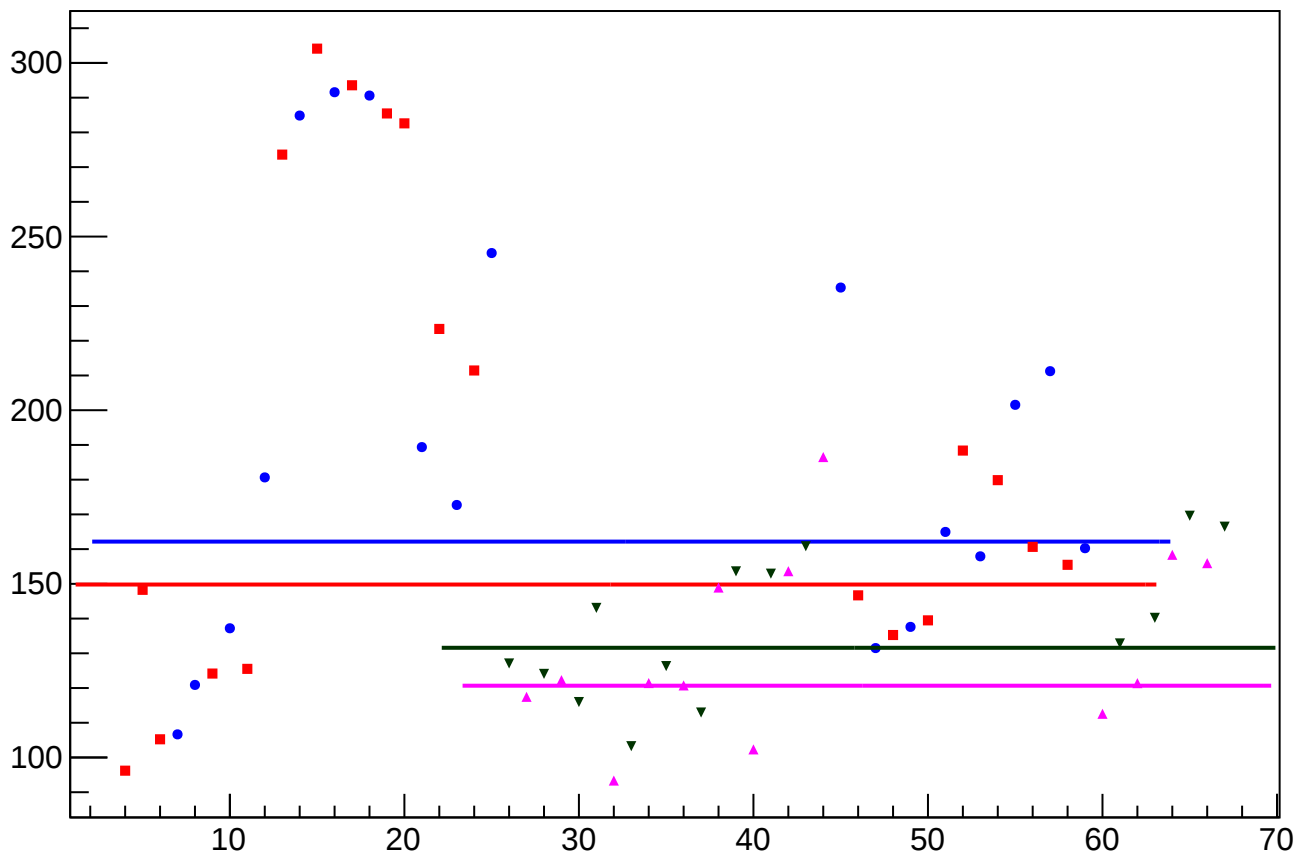
Right Out: 68.308 $\pm$ 50.710 χ^2 /NDF: 9.3/18

Left In: -29.148 $\pm$ 44.525 χ^2 /NDF: 1.1/12

32.834 $\pm$ 35.435 χ^2 /NDF: 8.9/31

13.277 $\pm$ 33.458 χ^2 /NDF: 12.5/31

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

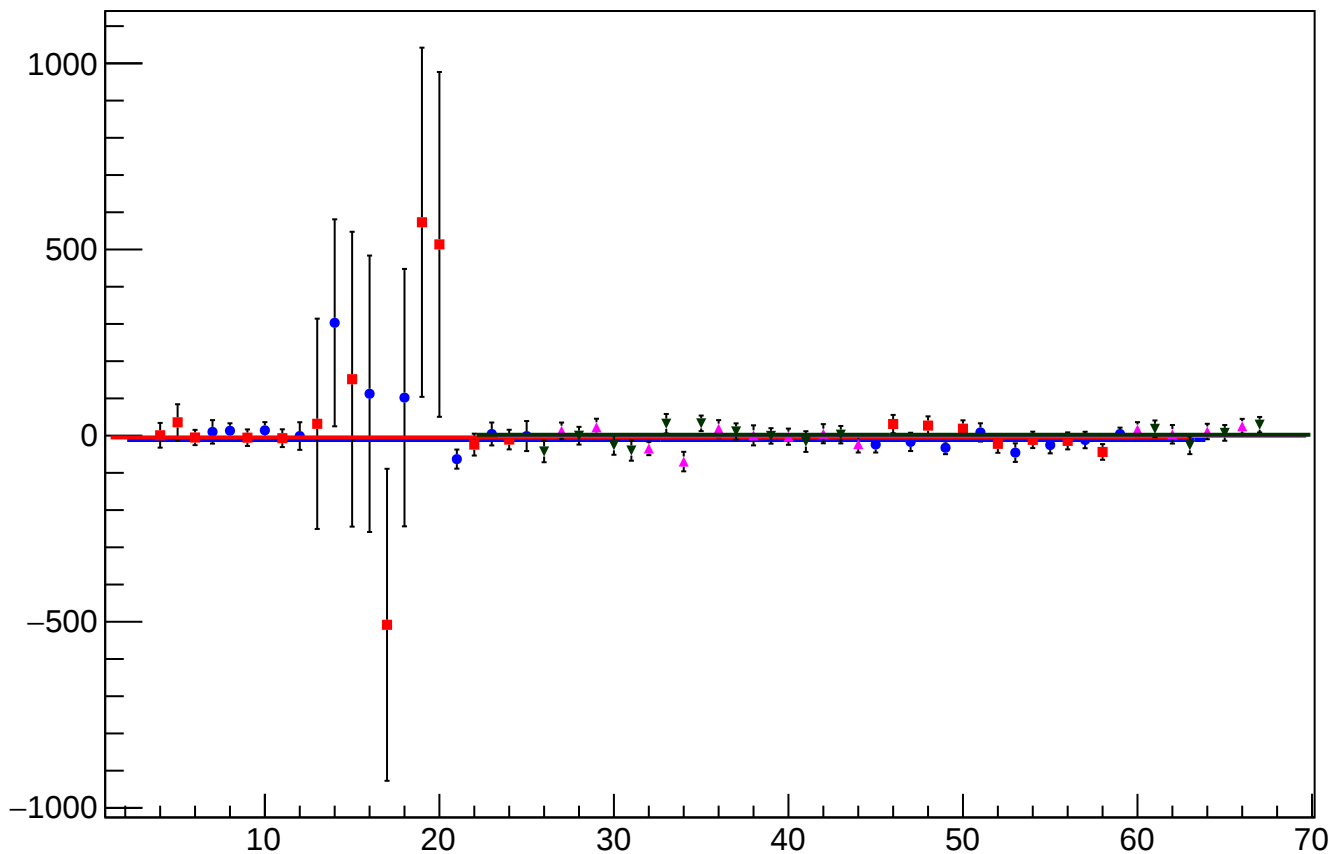
Right Out: 149.803 ± 0.036 χ^2/NDF : 2114602.4/18

Left In: 120.672 ± 0.031 χ^2/NDF : 515175.9/12

146.400 ± 0.025 χ^2/NDF : 2407945.7/31

133.353 ± 0.024 χ^2/NDF : 3002491.9/31

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

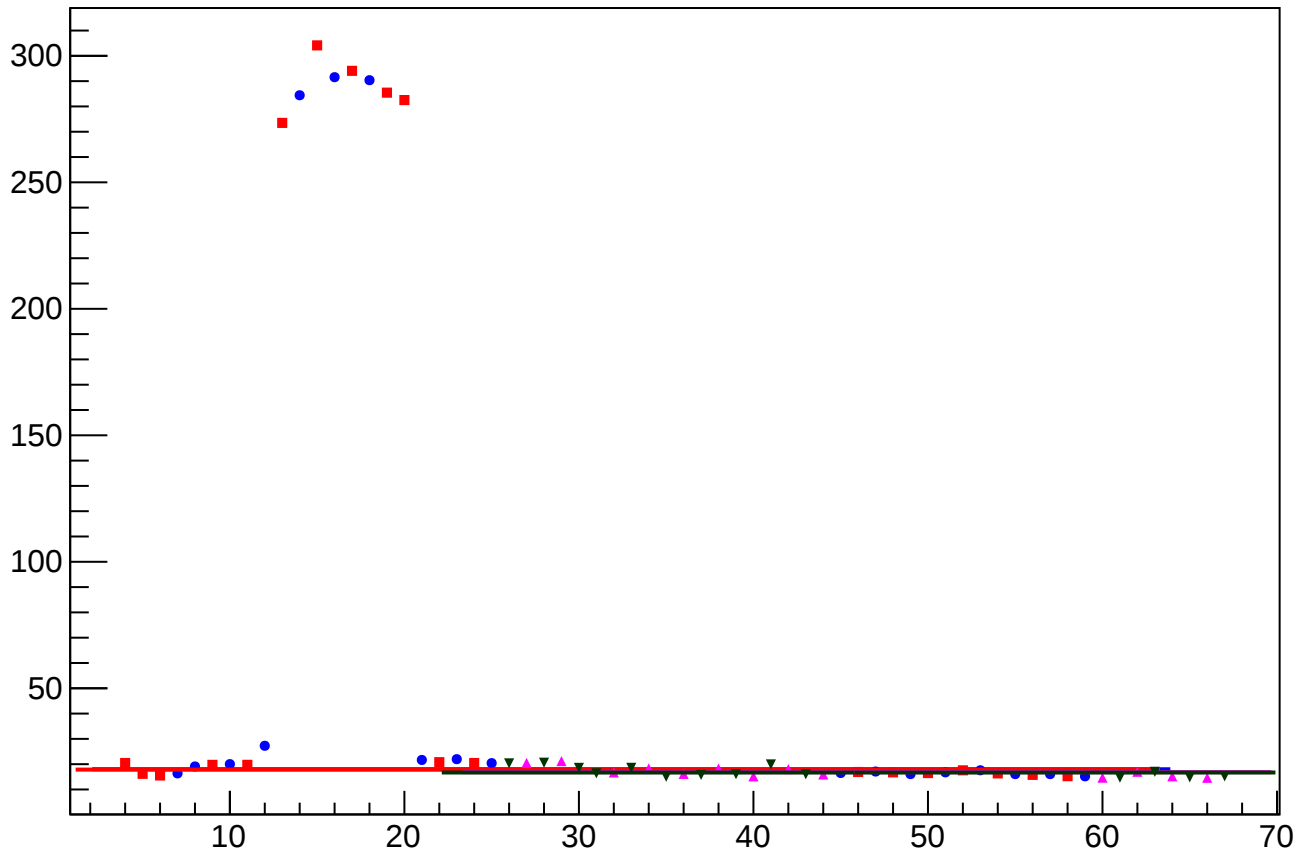
Right Out: -4.846 $\pm$ 6.550 χ^2 /NDF: 14.7/18

Left In: -0.513 $\pm$ 6.170 χ^2 /NDF:16.3/12

-4.957 $\pm$ 4.348 χ^2 /NDF: 31.3/31

-2.550 $\pm$ 4.491 χ^2 /NDF: 31.2/31

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs slug



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

Left Out: 16.711 $\pm$ 0.004 χ^2 /NDF:196425.8/13

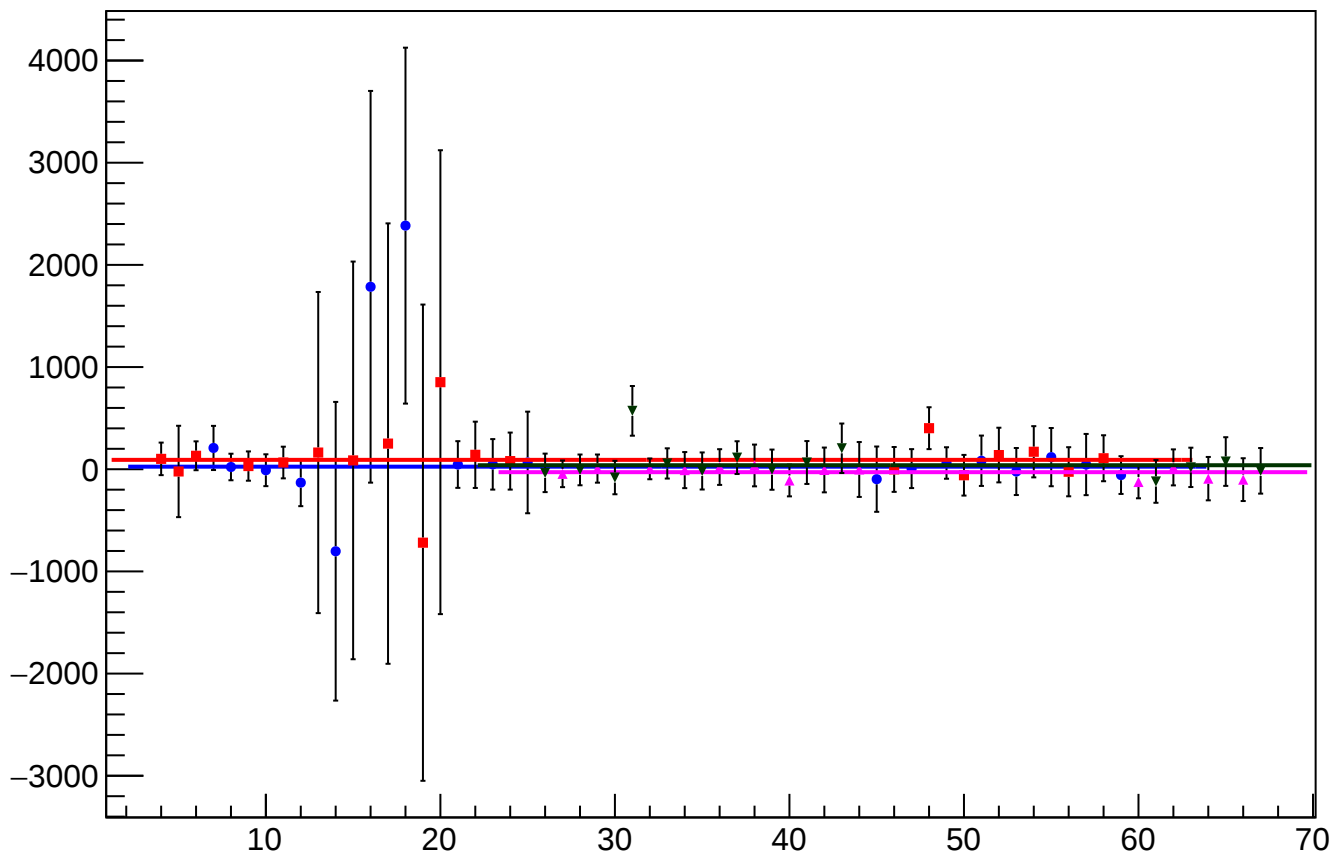
17.374 $\pm$ 0.003 χ^2 /NDF: 4764675.3/31

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

17.322 $\pm$ 0.003 χ^2 /NDF: 5278901.9/31

Left In: 16.849 $\pm$ 0.004 χ^2 /NDF:219824.4/12

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs slug



Right In: 25.115 $\pm$ 53.539 χ^2 /NDF: 4.9/17

Left Out: 39.214 $\pm$ 50.329 χ^2 /NDF: 7.1/13

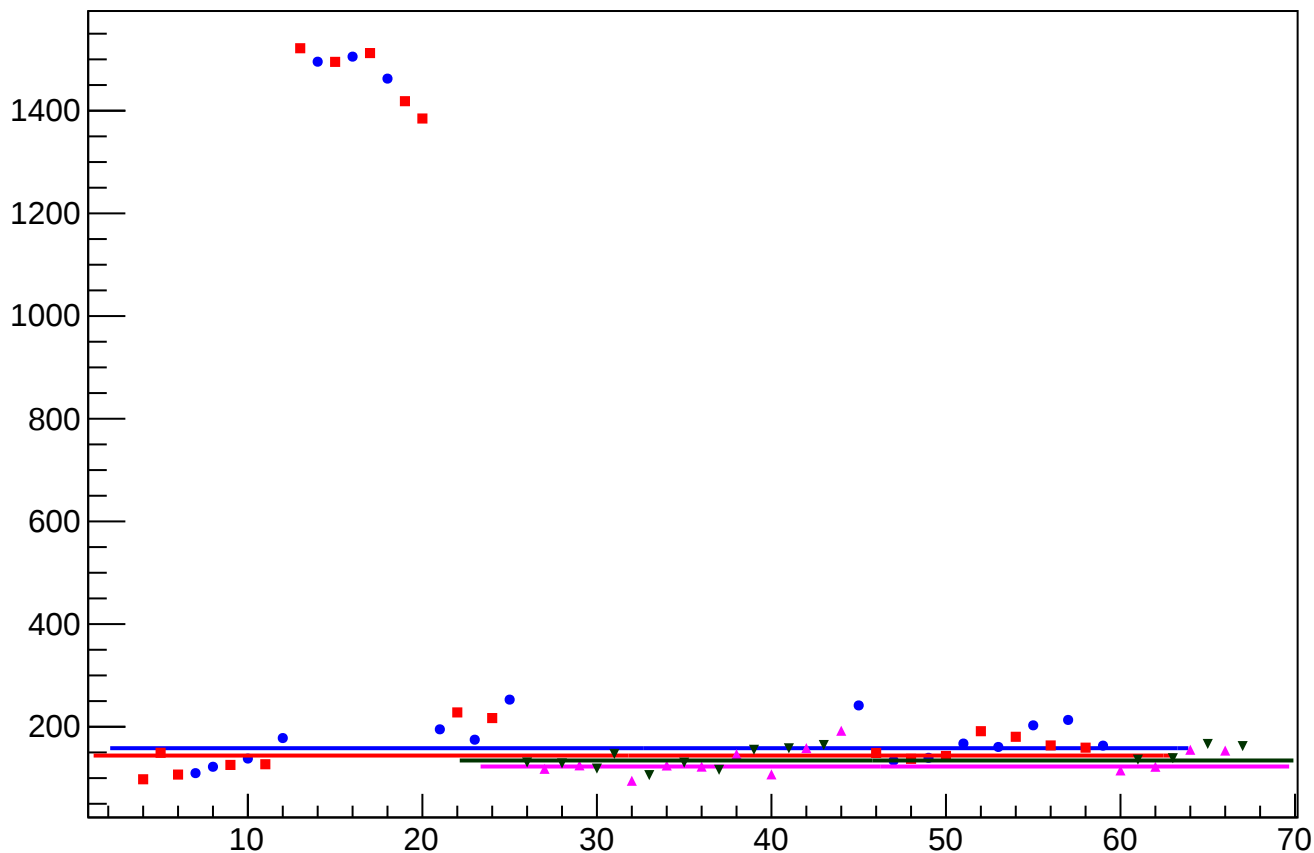
Right Out: 91.771 $\pm$ 53.823 χ^2 /NDF: 4.0/18

Left In: -28.731 $\pm$ 45.198 χ^2 /NDF: 1.3/12

32.600 $\pm$ 36.670 χ^2 /NDF: 12.0/31

21.102 $\pm$ 34.612 χ^2 /NDF: 8.3/31

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs slug



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

Left Out: 134.329+/-0.036 χ^2/NDF :276979.6/13

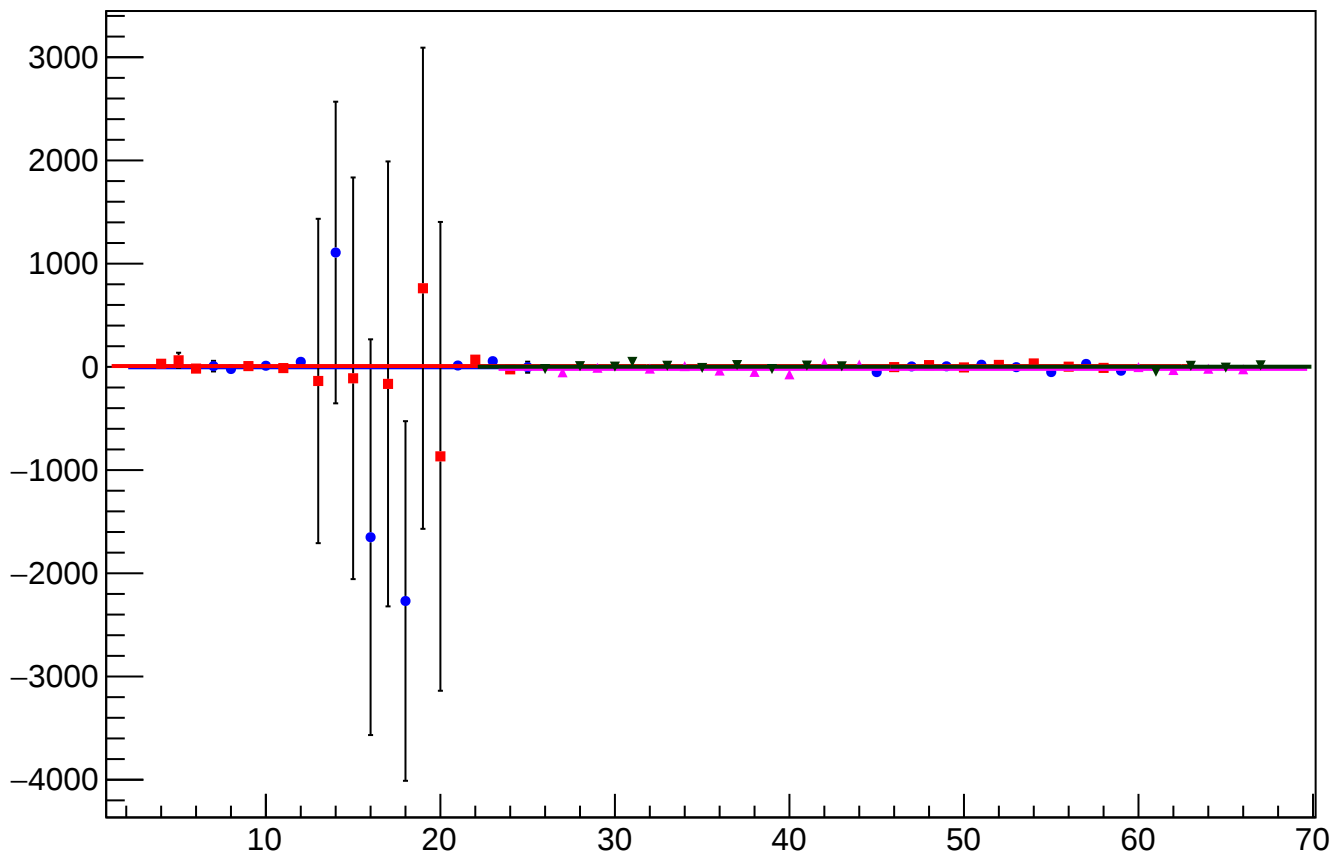
Right Out: 143.939+/-0.038 χ^2/NDF : 5267987.5/18

Left In: 122.588+/-0.032 χ^2/NDF :483197.3/12

145.563+/-0.026 χ^2/NDF : 5028389.0/31

131.418+/-0.024 χ^2/NDF : 5935750.8/31

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

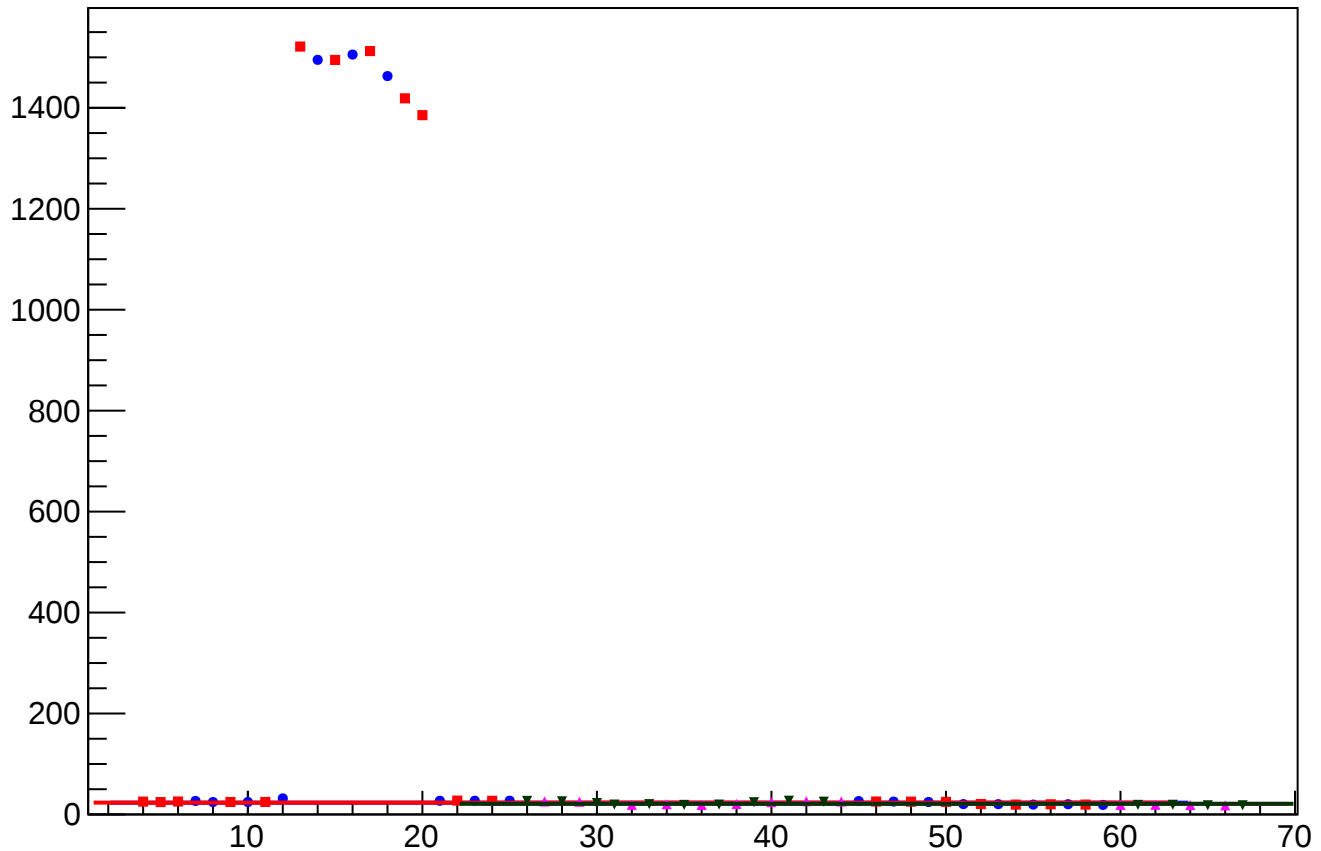
Right Out: 7.973+/-8.718 χ^2/NDF : 7.3/18

Left In: -19.578+/-7.645 χ^2/NDF : 10.4/12

-1.296+/-5.569 χ^2/NDF : 24.9/31

-7.602+/-5.748 χ^2/NDF : 23.4/31

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

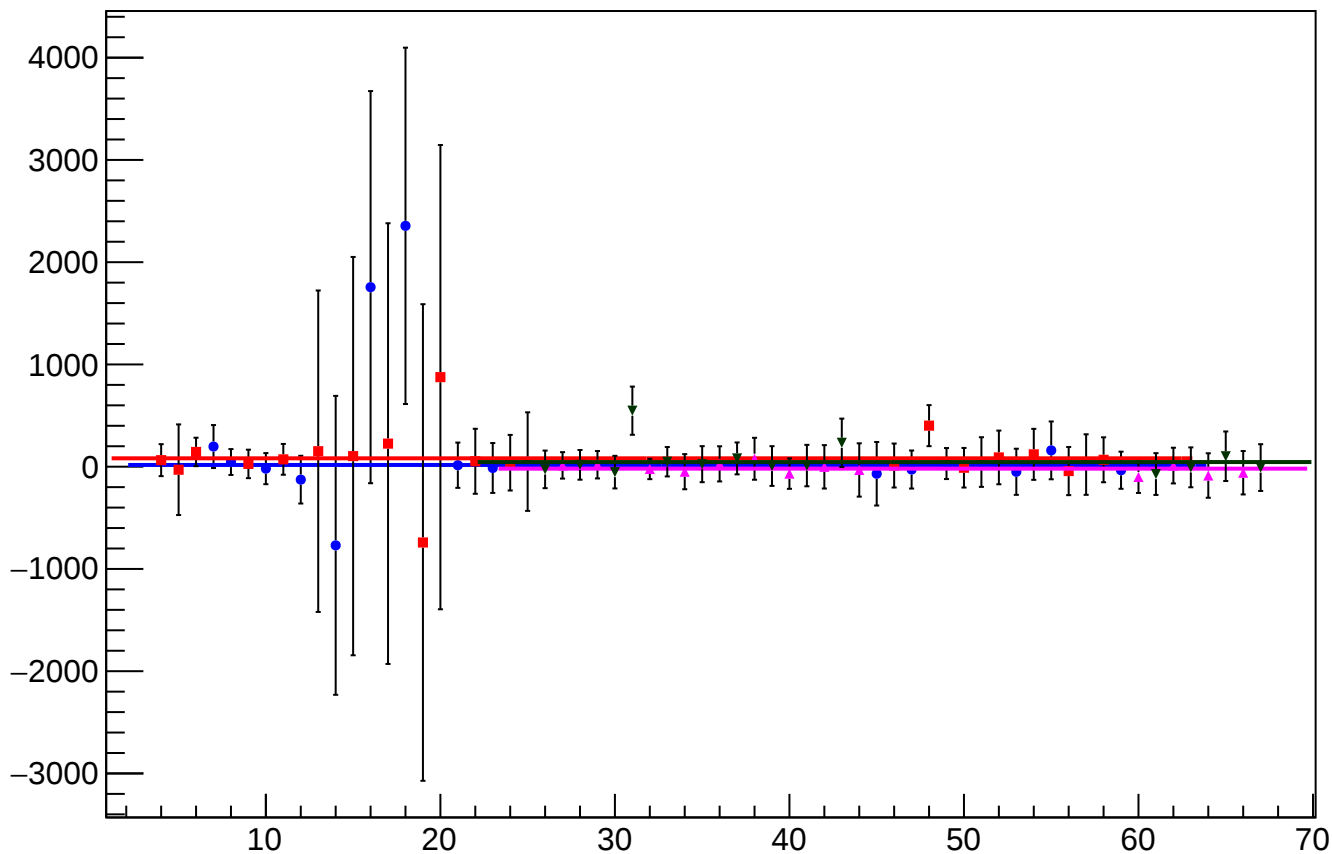
Right Out: 23.445+/-0.006 χ^2/NDF : 5561556.7/18

Left In: 21.028+/-0.005 χ^2/NDF : 298410.7/12

22.215+/-0.004 χ^2/NDF : 5353463.9/31

22.078+/-0.004 χ^2/NDF : 5946896.6/31

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

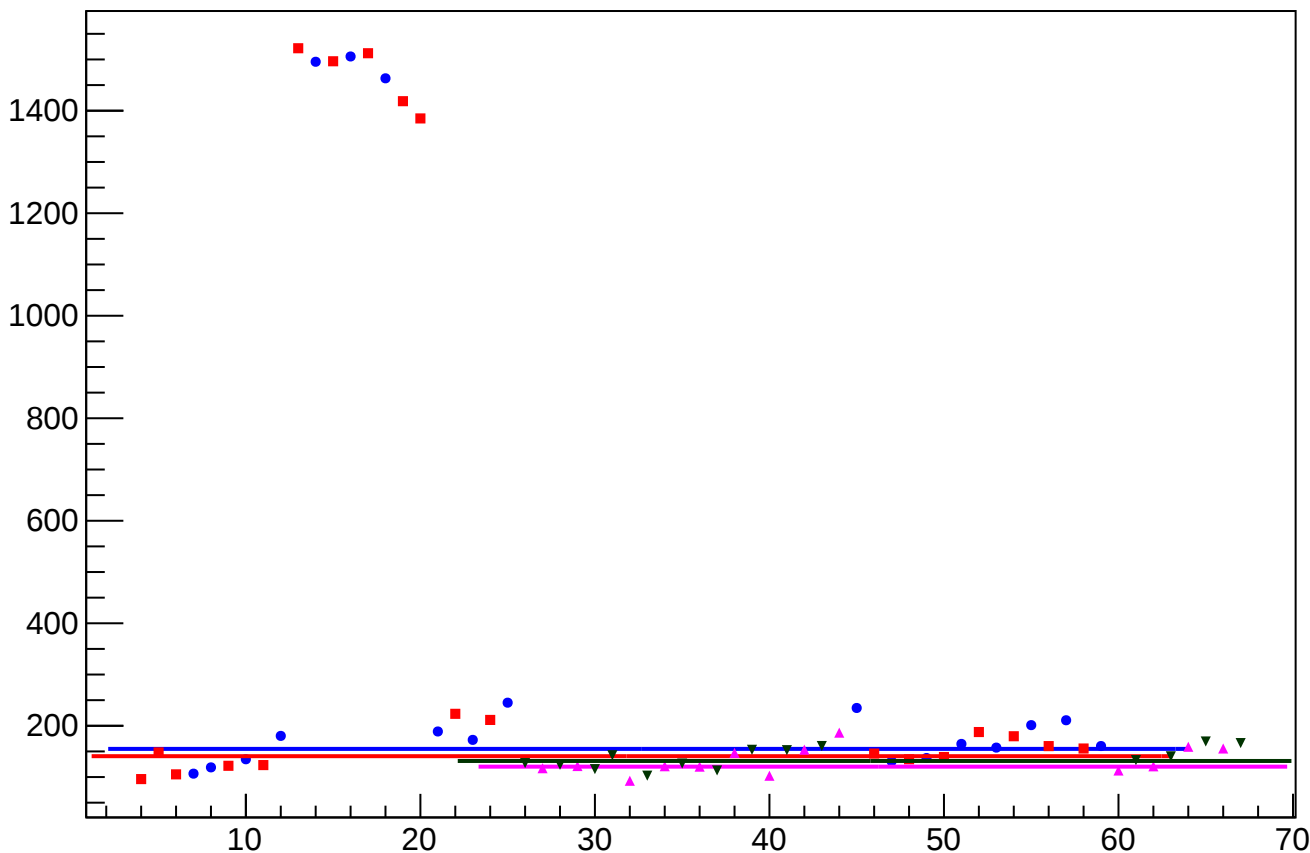
Right Out: 81.906+/-52.666 χ^2/NDF : 3.9/18

Left In: -19.203+/-44.396 χ^2/NDF : 1.0/12

31.992+/-35.935 χ^2/NDF : 11.3/31

22.800+/-33.945 χ^2/NDF : 7.1/31

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs slug



Right In: 154.947+/-0.037 χ^2/NDF : 4580594.9/17

Left Out: 131.370+/-0.035 χ^2/NDF :317660.7/13

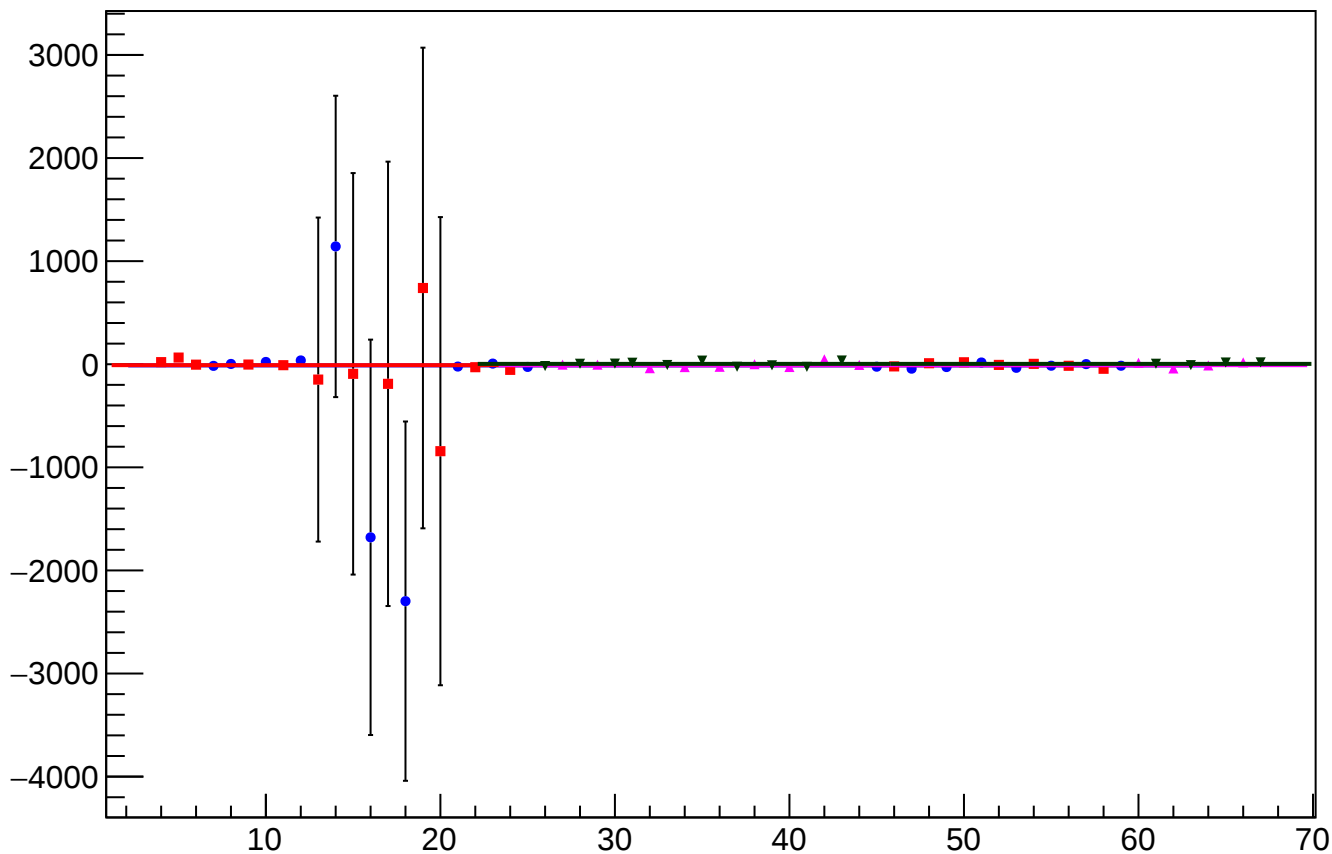
142.421+/-0.025 χ^2/NDF : 5112645.8/31

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

128.772+/-0.024 χ^2/NDF : 5987165.6/31

Left In: 120.289+/-0.031 χ^2/NDF :519408.4/12

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

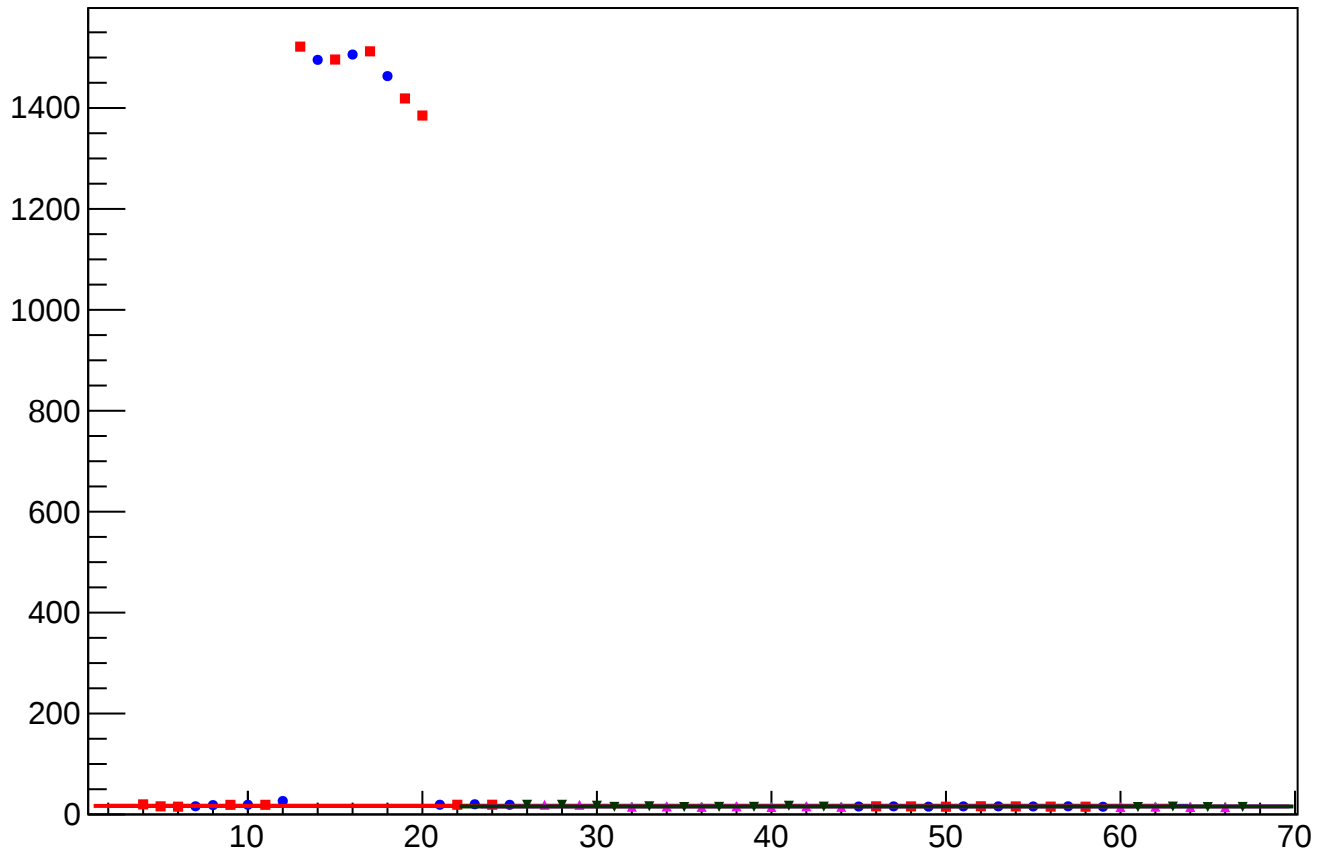
Right Out: -8.864 $\pm$ 6.293 χ^2 /NDF: 13.3/18

Left In: -9.152 $\pm$ 5.758 χ^2 /NDF:16.9/12

-4.057 $\pm$ 4.119 χ^2 /NDF: 29.0/31

-9.020 $\pm$ 4.248 χ^2 /NDF: 30.2/31

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

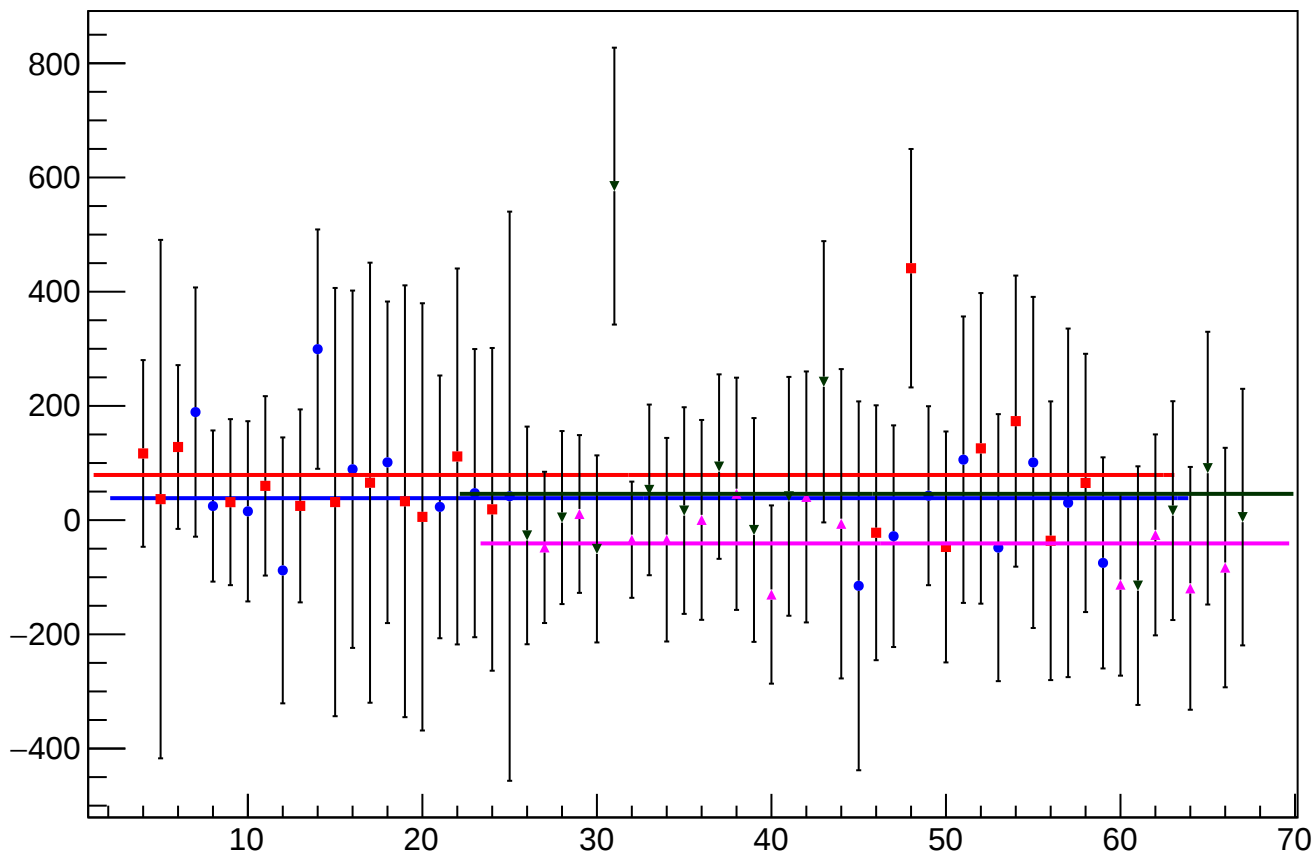
Right Out: 16.920+/-0.004 χ^2/NDF : 5539958.1/18

Left In: 15.908+/-0.004 χ^2/NDF :136653.9/12

16.469+/-0.003 χ^2/NDF : 5090353.5/31

16.369+/-0.003 χ^2/NDF : 5704762.1/31

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

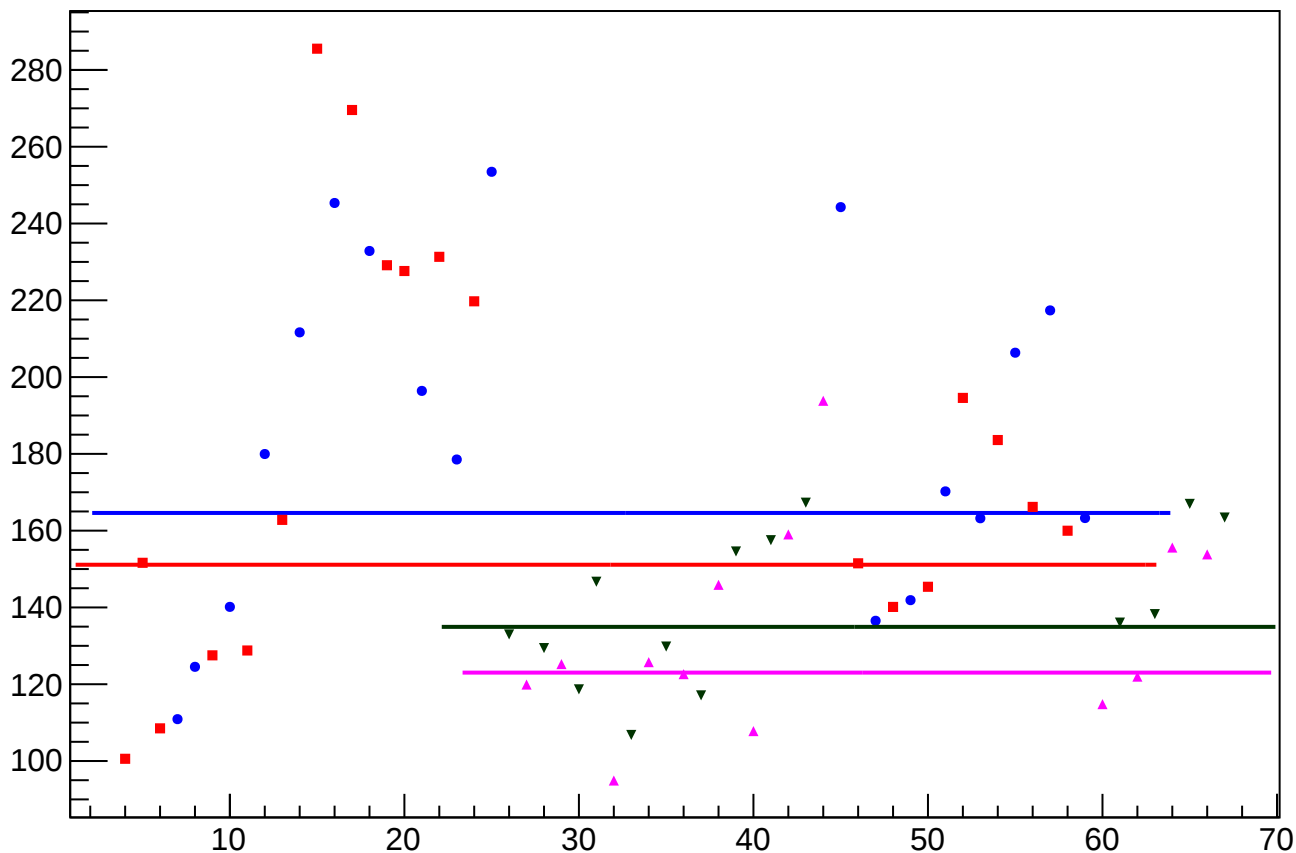
Right Out: 79.078 $\pm$ 50.233 χ^2 /NDF: 4.5/18

Left In: -40.787 $\pm$ 45.350 χ^2 /NDF: 1.3/12

42.263 $\pm$ 35.902 χ^2 /NDF: 10.5/31

13.038 $\pm$ 33.662 χ^2 /NDF: 8.9/31

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs slug



Right In: 164.613 ± 0.036 $\chi^2/\text{NDF}: 1128549.0/17$

Left Out: 134.940 ± 0.036 $\chi^2/\text{NDF}: 271018.5/13$

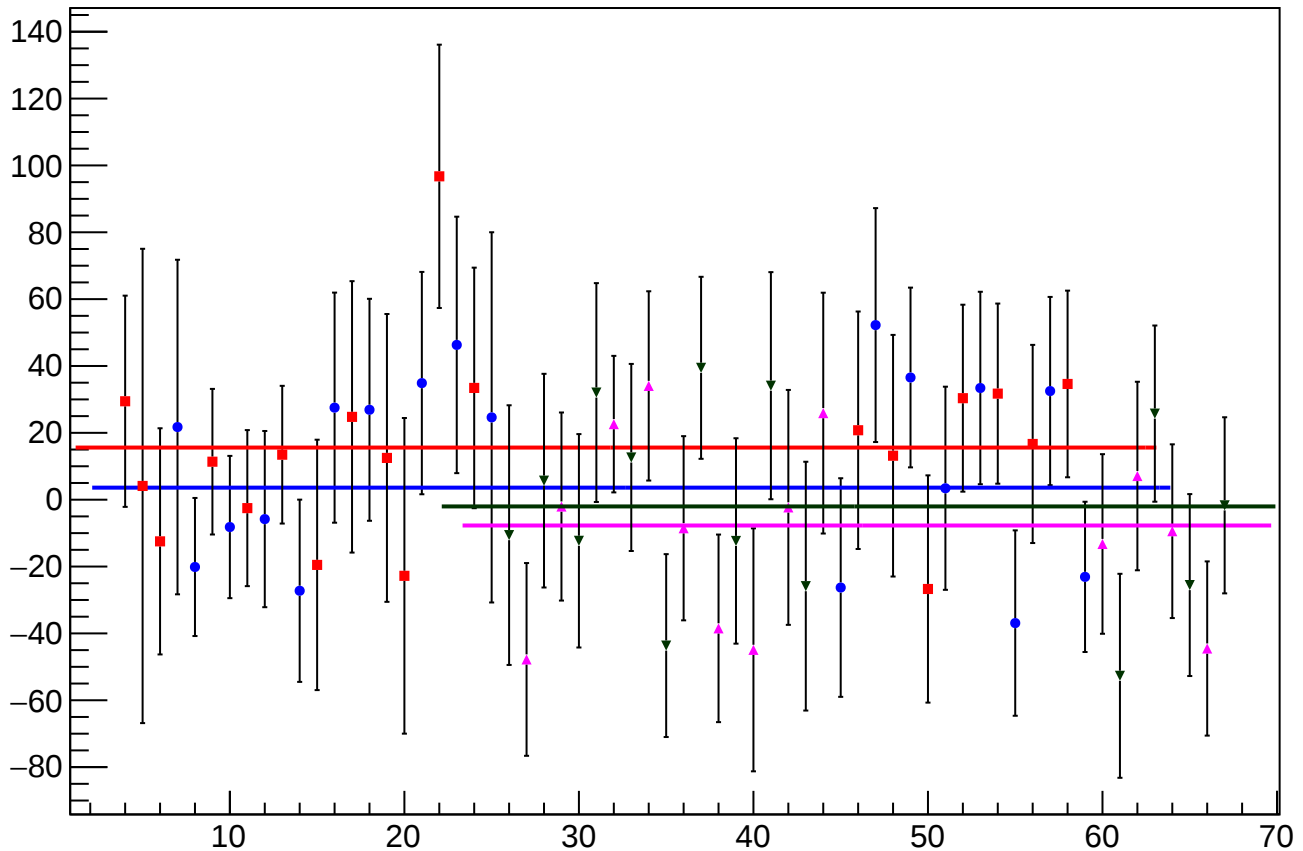
149.622 ± 0.025 $\chi^2/\text{NDF}: 1741064.9/31$

Right Out: 151.124 ± 0.036 $\chi^2/\text{NDF}: 1423423.3/18$

135.643 ± 0.024 $\chi^2/\text{NDF}: 2253039.1/31$

Left In: 123.025 ± 0.032 $\chi^2/\text{NDF}: 484854.1/12$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs slug



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

Left Out: -2.016 $\pm$ 8.039 χ^2 /NDF:12.5/13

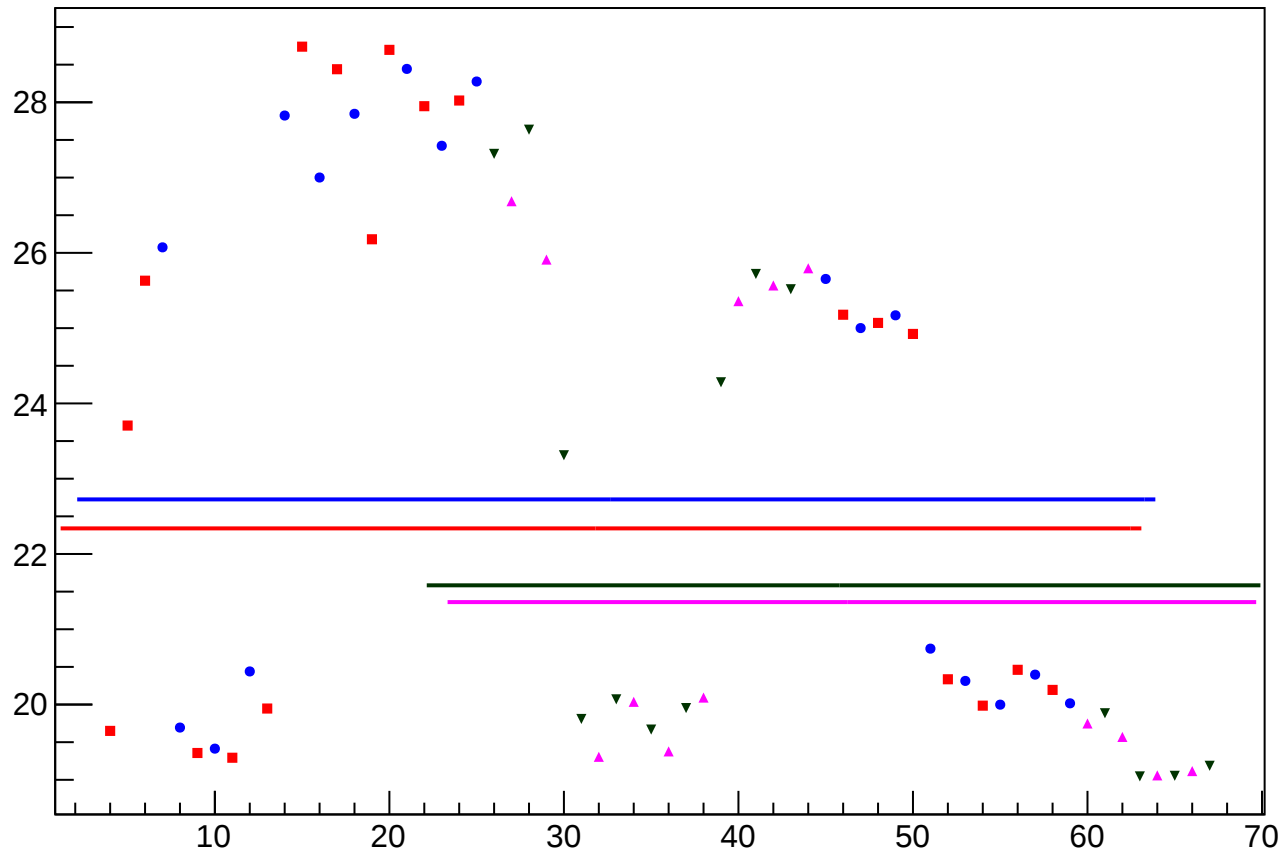
Right Out: 15.596 $\pm$ 7.143 χ^2 /NDF: 10.3/18

Left In: -7.719 $\pm$ 7.754 χ^2 /NDF:11.8/12

1.245 $\pm$ 5.210 χ^2 /NDF: 29.1/31

4.893 $\pm$ 5.254 χ^2 /NDF: 27.0/31

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

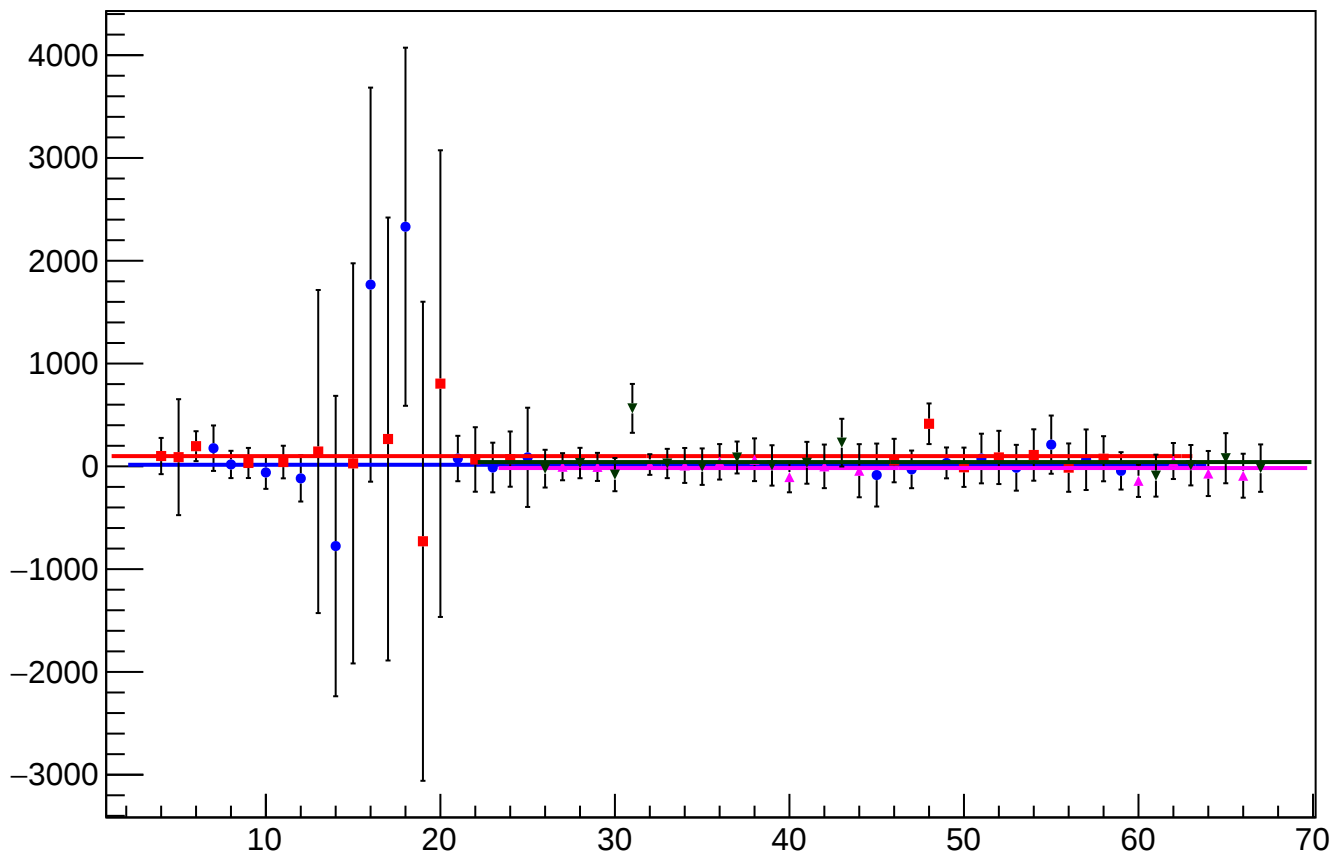
22.246+/-0.004 χ^2/NDF : 798013.7/31

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

21.890+/-0.004 χ^2/NDF : 765820.9/31

Left In: 21.361+/-0.005 χ^2/NDF : 288562.5/12

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

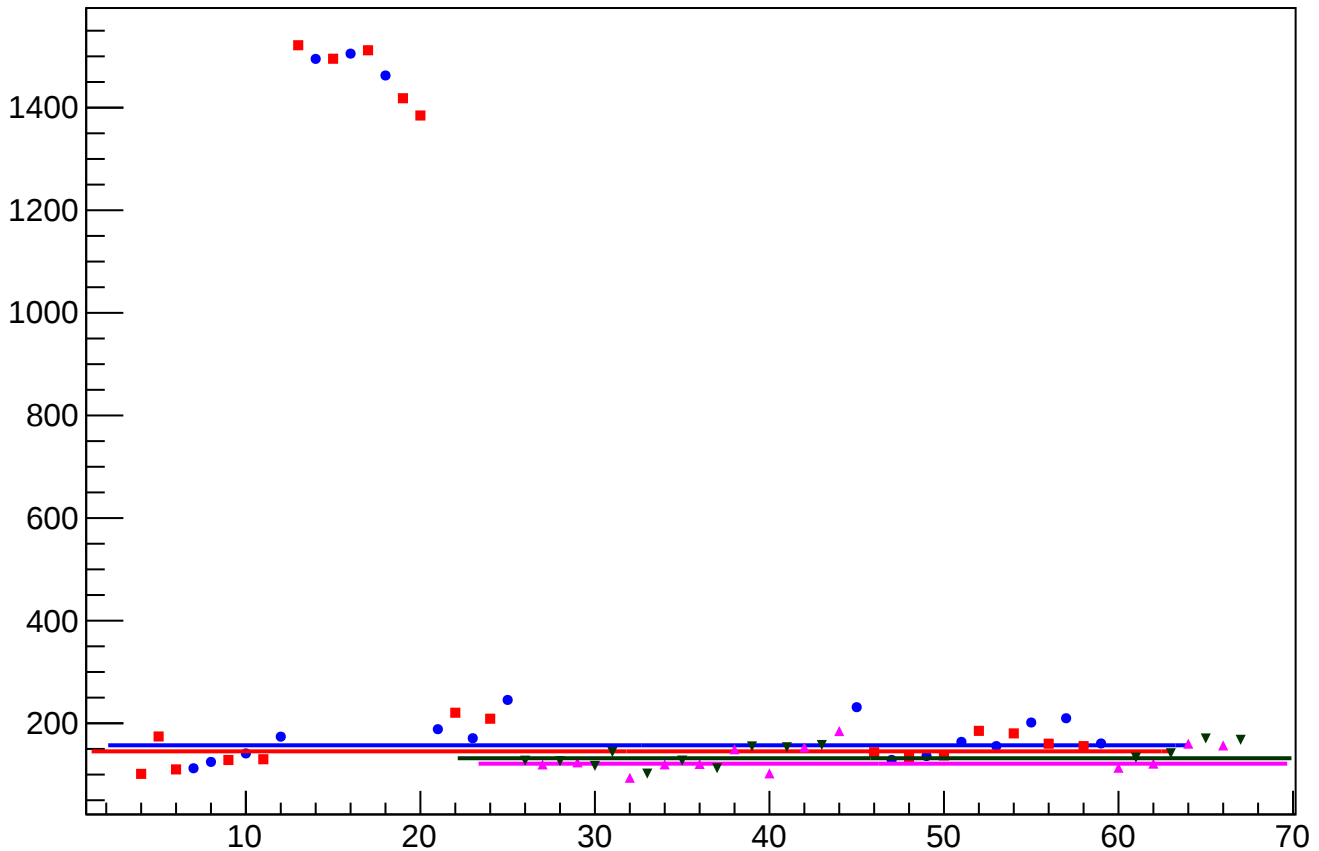
Right Out: 99.514+/-54.286 χ^2/NDF : 4.2/18

Left In: -16.617+/-44.731 χ^2/NDF : 1.7/12

29.333+/-36.183 χ^2/NDF : 12.0/31

30.345+/-34.521 χ^2/NDF : 8.7/31

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

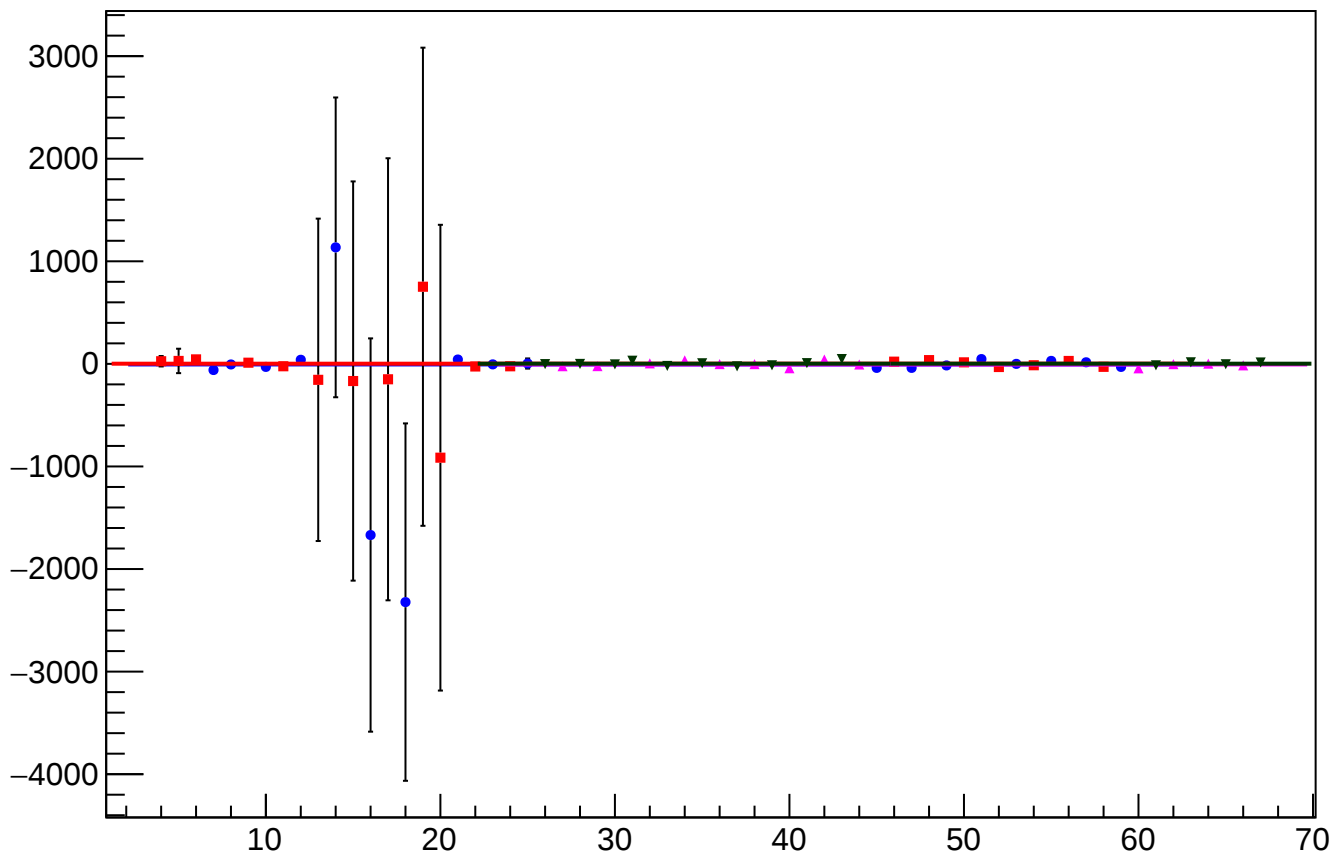
143.612+/-0.026 χ^2/NDF : 5024065.8/31

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

130.982+/-0.024 χ^2/NDF : 5867019.0/31

Left In: 121.261+/-0.032 χ^2/NDF : 509301.6/12

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

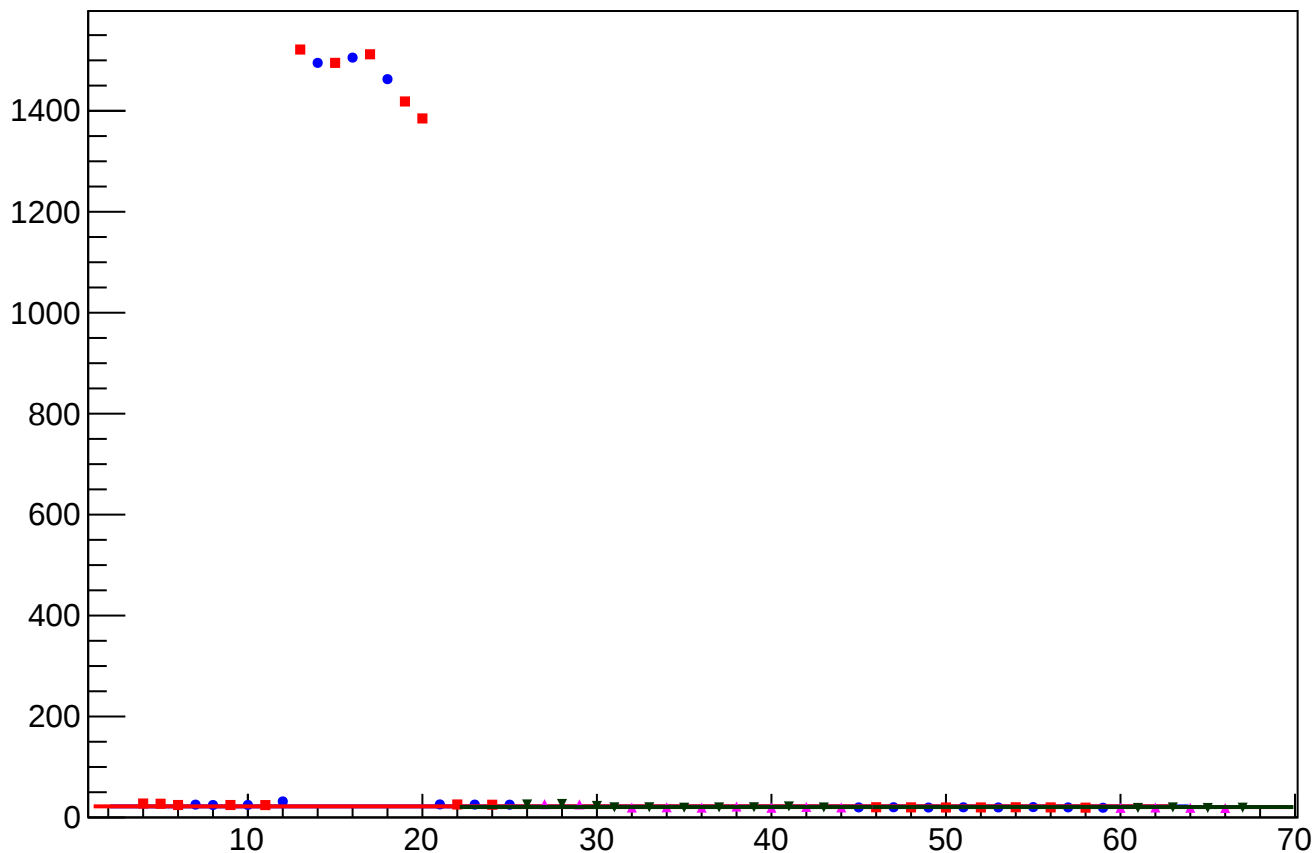
Right Out: 1.722+/-8.261 χ^2 /NDF: 10.4/18

Left In: -5.947+/-7.466 χ^2 /NDF: 9.8/12

-2.078+/-5.322 χ^2 /NDF: 25.3/31

-2.499+/-5.539 χ^2 /NDF: 20.7/31

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs slug



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

Left Out: 20.636 $\pm$ 0.005 χ^2 /NDF:163489.4/13

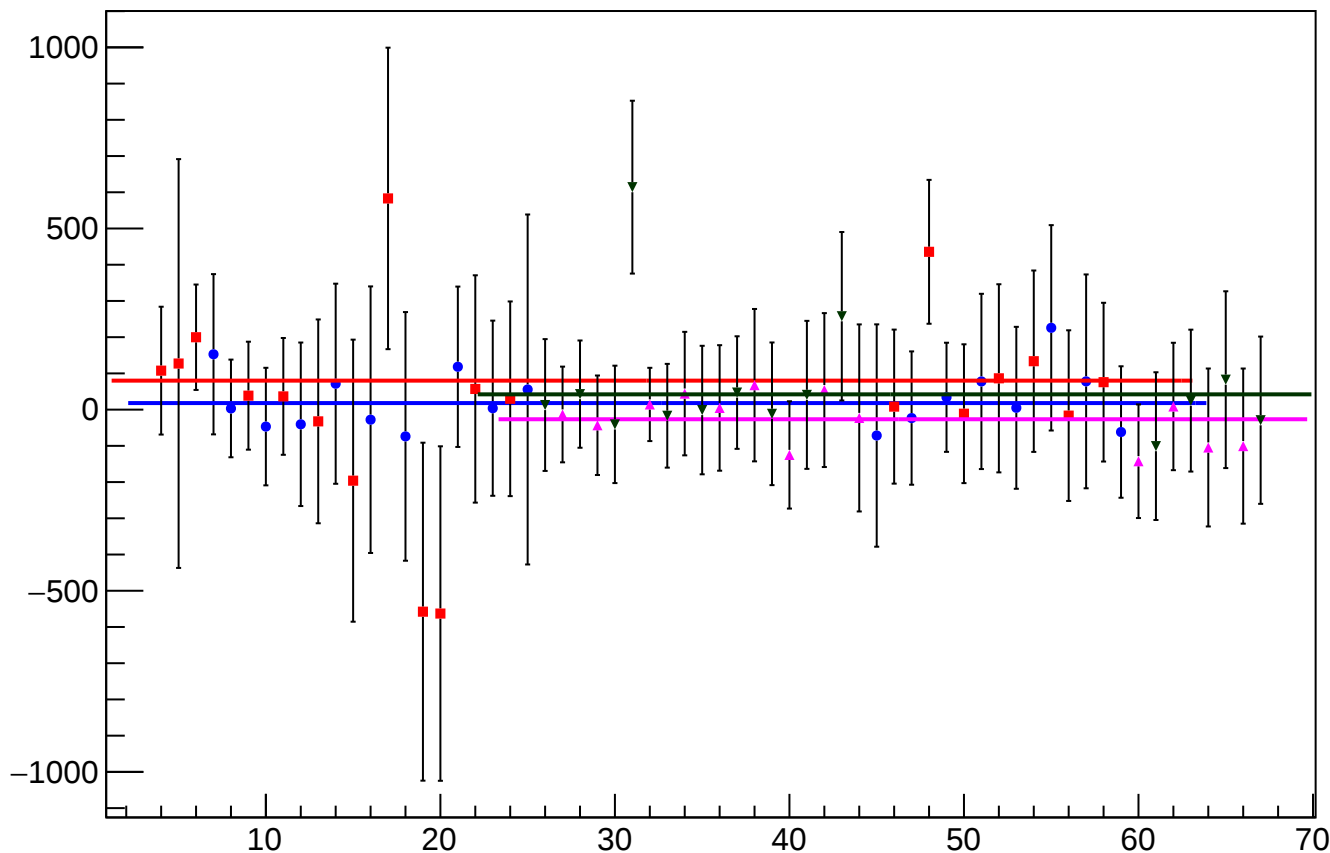
Right Out: 21.987 $\pm$ 0.006 χ^2 /NDF: 5559967.3/18

Left In: 20.613 $\pm$ 0.005 χ^2 /NDF:198219.3/12

21.301 $\pm$ 0.004 χ^2 /NDF: 5124220.5/31

21.231 $\pm$ 0.004 χ^2 /NDF: 5788621.4/31

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

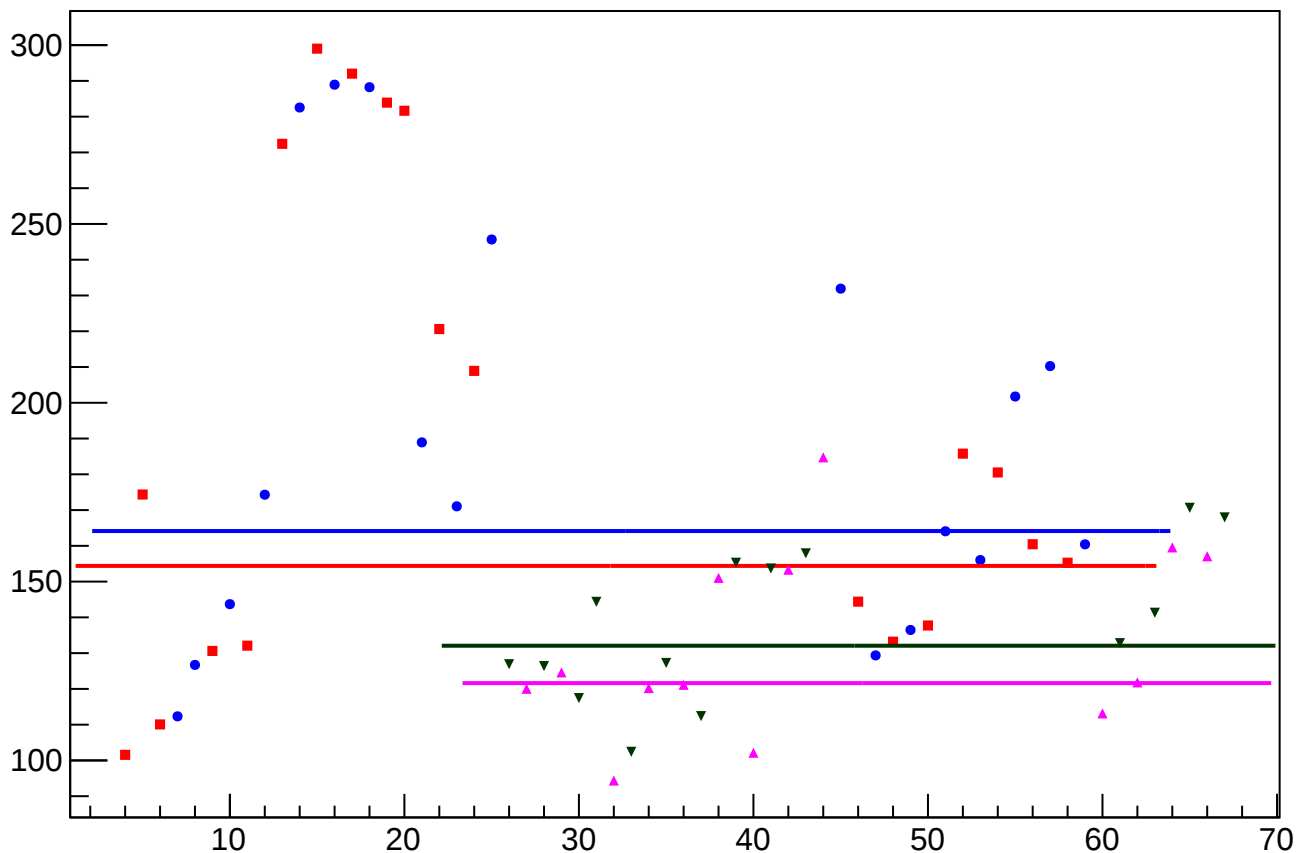
Right Out: 80.043+/-52.081 χ^2/NDF : 10.6/18

Left In: -26.564+/-44.854 χ^2/NDF : 2.0/12

30.566+/-35.649 χ^2/NDF : 9.9/31

18.835+/-33.987 χ^2/NDF : 15.0/31

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

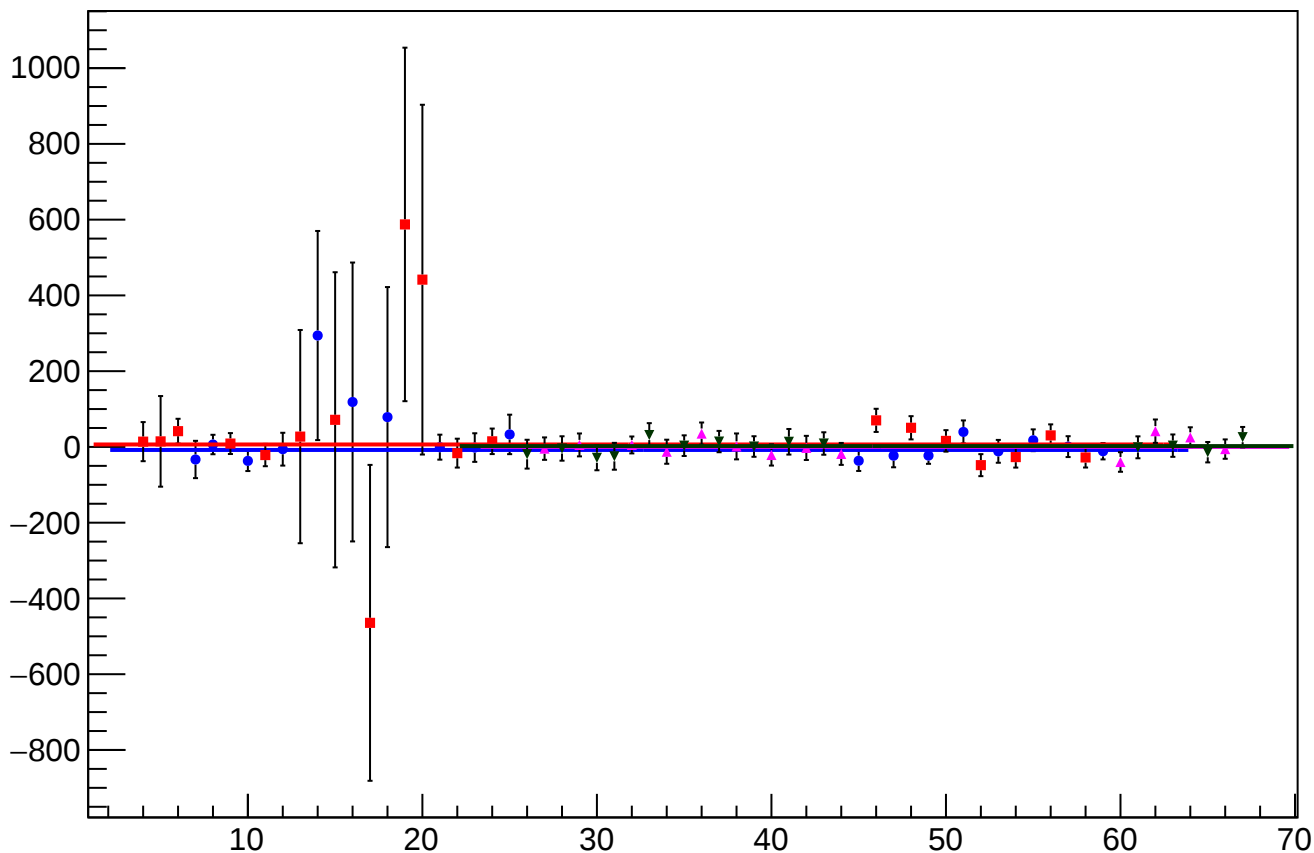
147.538 $\pm$ 0.025 χ^2 /NDF: 2293743.3/31

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

135.580 $\pm$ 0.024 χ^2 /NDF: 2835883.7/31

Left In: 121.624 $\pm$ 0.032 χ^2 /NDF: 505678.6/12

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs slug



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

Left Out: 2.186+/-8.043 χ^2/NDF : 4.2/13

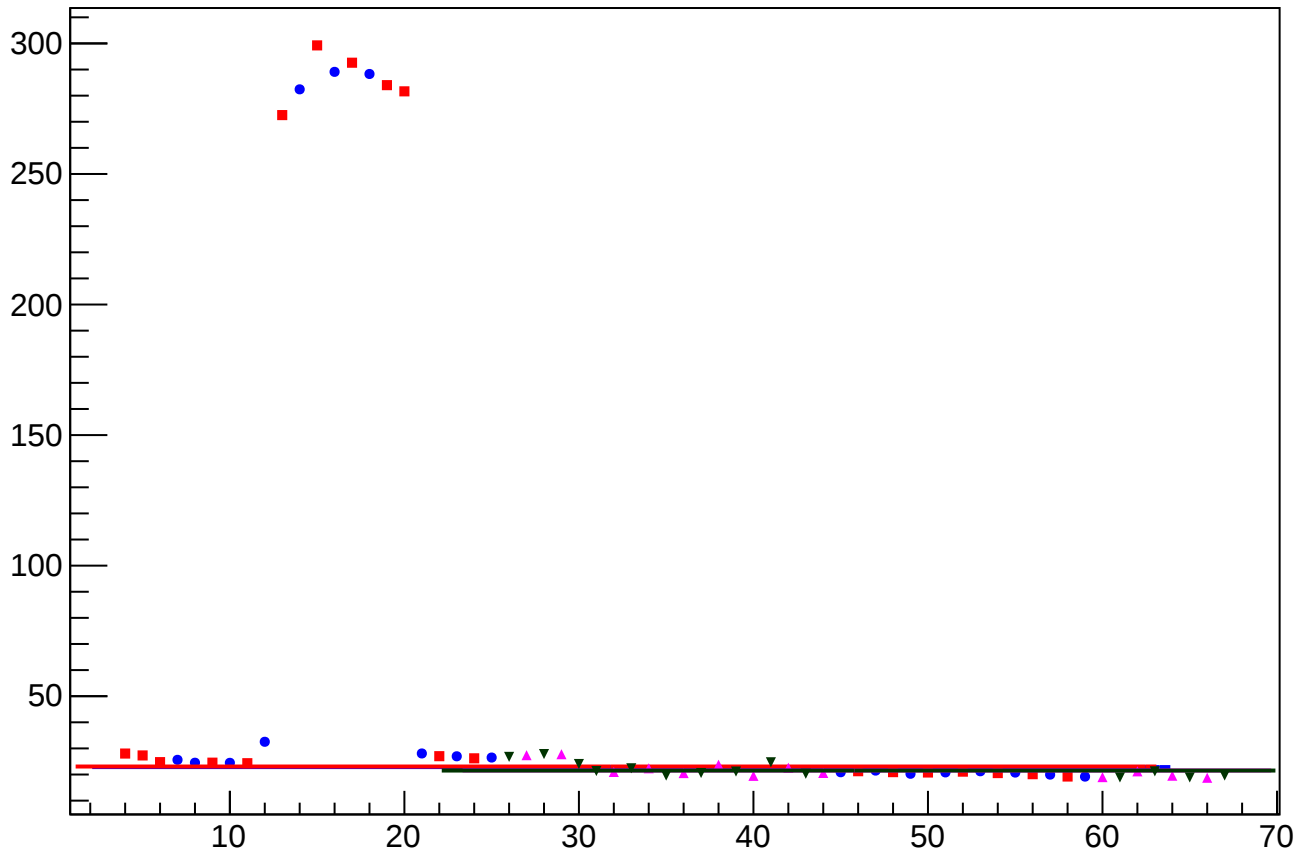
Right Out: 6.463+/-8.479 χ^2/NDF : 20.1/18

Left In: -0.014+/-7.859 χ^2/NDF : 7.8/12

-3.183+/-5.525 χ^2/NDF : 14.0/31

2.979+/-5.764 χ^2/NDF : 28.2/31

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

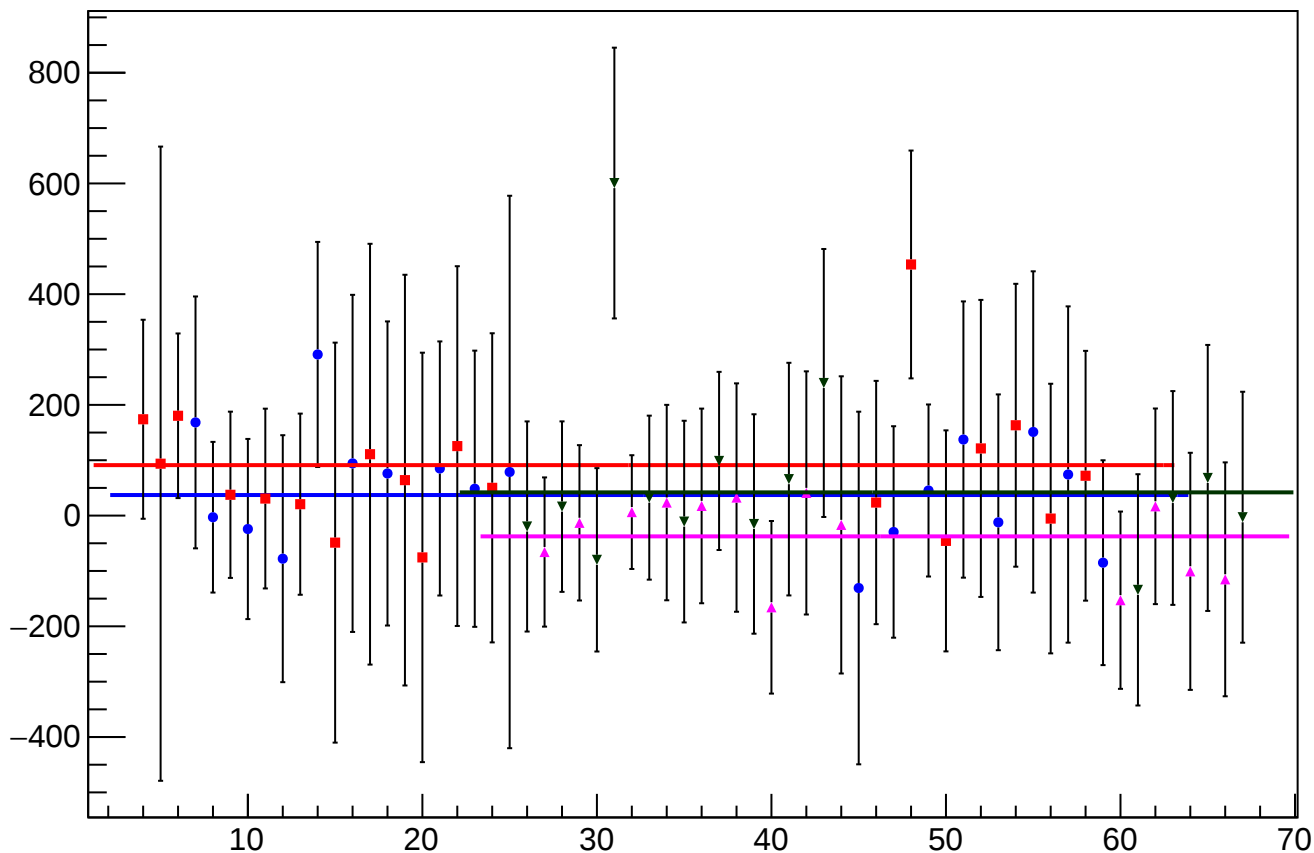
Right Out: 23.069+/-0.006 χ^2/NDF : 4856723.7/18

Left In: 21.551+/-0.006 χ^2/NDF : 246288.5/12

22.226+/-0.004 χ^2/NDF : 4600221.5/31

22.252+/-0.004 χ^2/NDF : 5137491.5/31

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

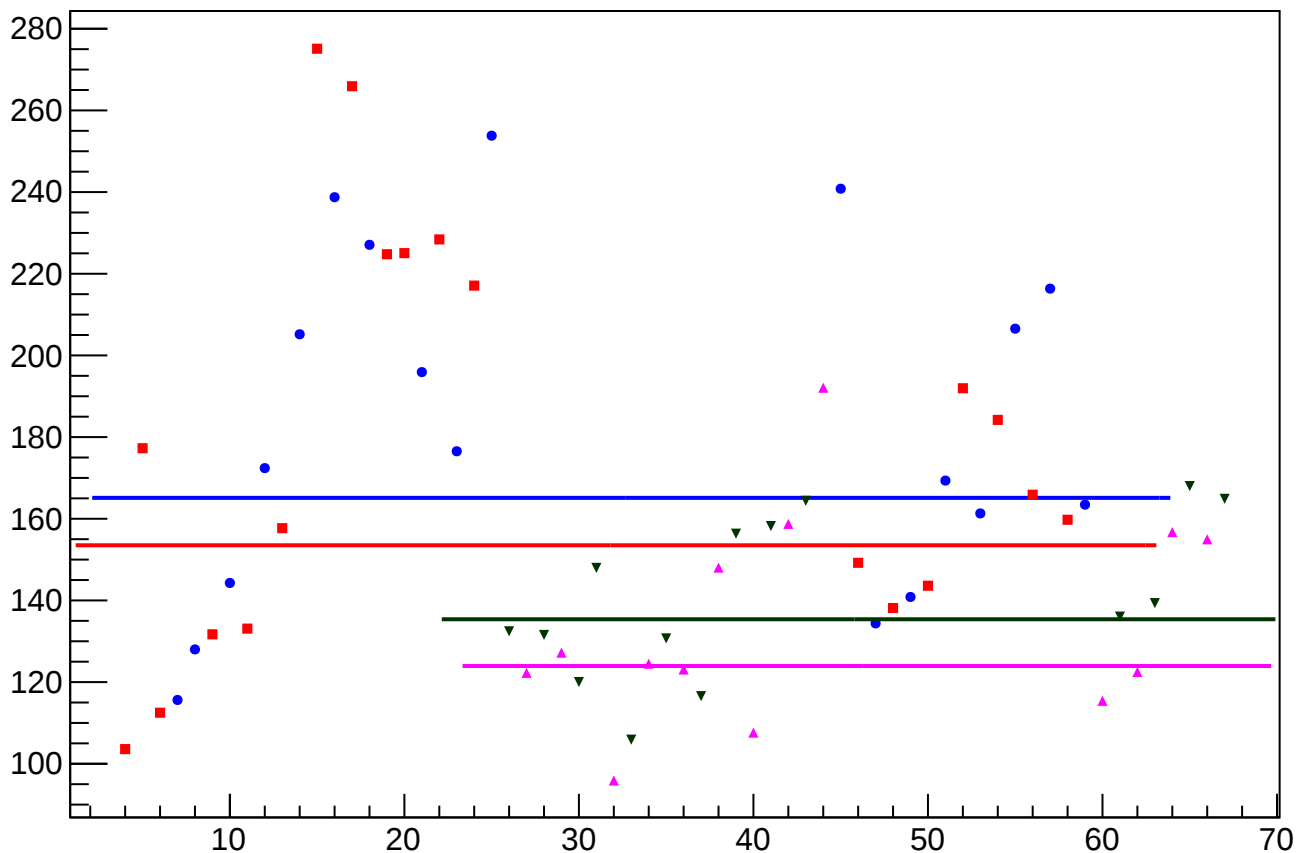
Right Out: 91.157+/-50.934 χ^2/NDF : 5.3/18

Left In: -37.537+/-45.666 χ^2/NDF : 2.2/12

39.575+/-35.966 χ^2/NDF : 11.3/31

19.813+/-34.001 χ^2/NDF : 11.1/31

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

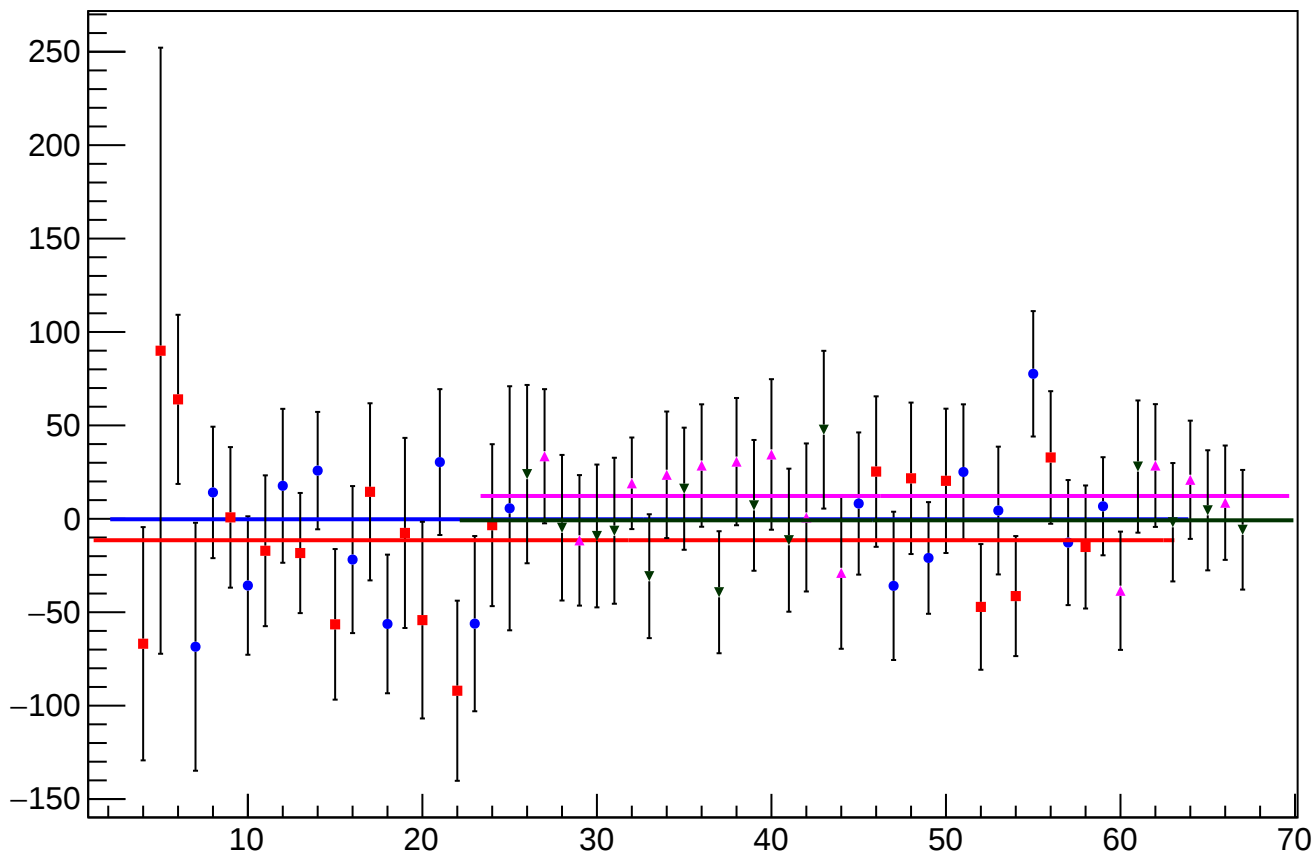
150.156 ± 0.025 χ^2/NDF : 1610817.6/31

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

137.123 ± 0.024 χ^2/NDF : 2086526.3/31

Left In: 123.951 ± 0.032 χ^2/NDF : 474529.5/12

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs slug



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

Left Out: -0.796 ± 9.527 χ^2/NDF : 5.0/13

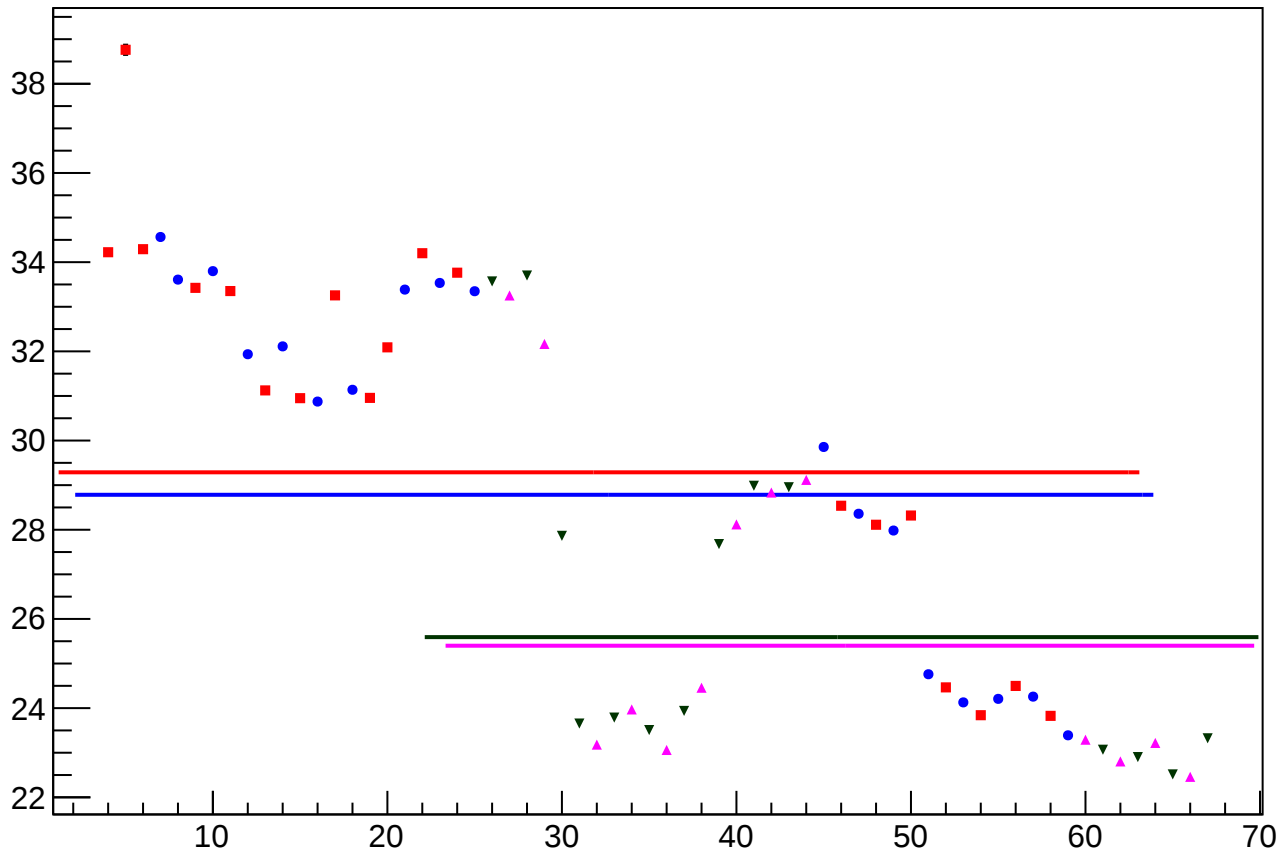
Right Out: -11.462 ± 9.405 χ^2/NDF : 14.9/18

Left In: 12.224 ± 9.216 χ^2/NDF : 5.9/12

-0.490 ± 6.402 χ^2/NDF : 20.1/31

0.622 ± 6.582 χ^2/NDF : 24.0/31

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs slug



Right In: 28.784 $\pm$ 0.006 χ^2 /NDF: 418497.9/17

Left Out: 25.592 $\pm$ 0.007 χ^2 /NDF: 262132.5/13

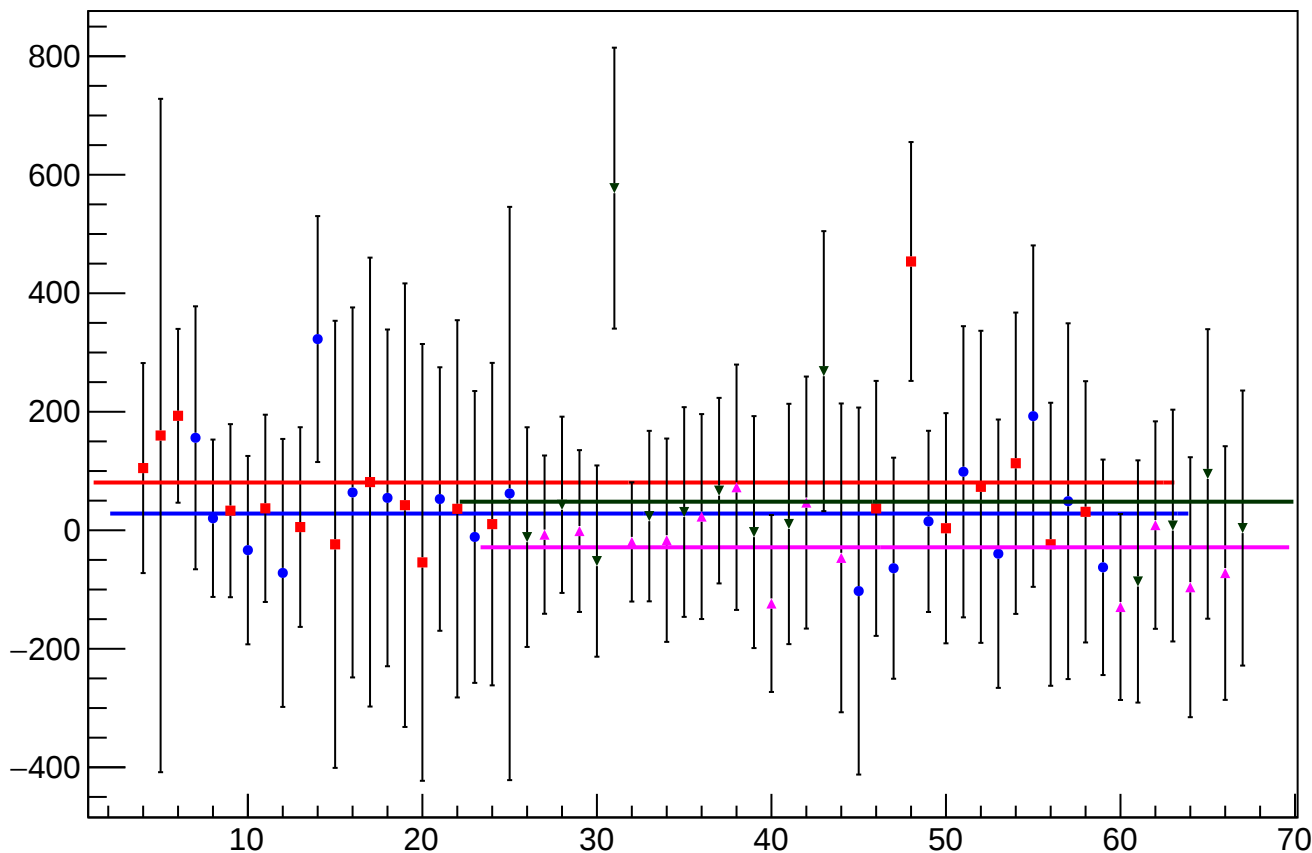
Right Out: 29.288 $\pm$ 0.007 χ^2 /NDF: 355757.4/18

Left In: 25.400 $\pm$ 0.007 χ^2 /NDF: 292521.9/12

27.342 $\pm$ 0.005 χ^2 /NDF: 803718.1/31

27.304 $\pm$ 0.005 χ^2 /NDF: 822647.8/31

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

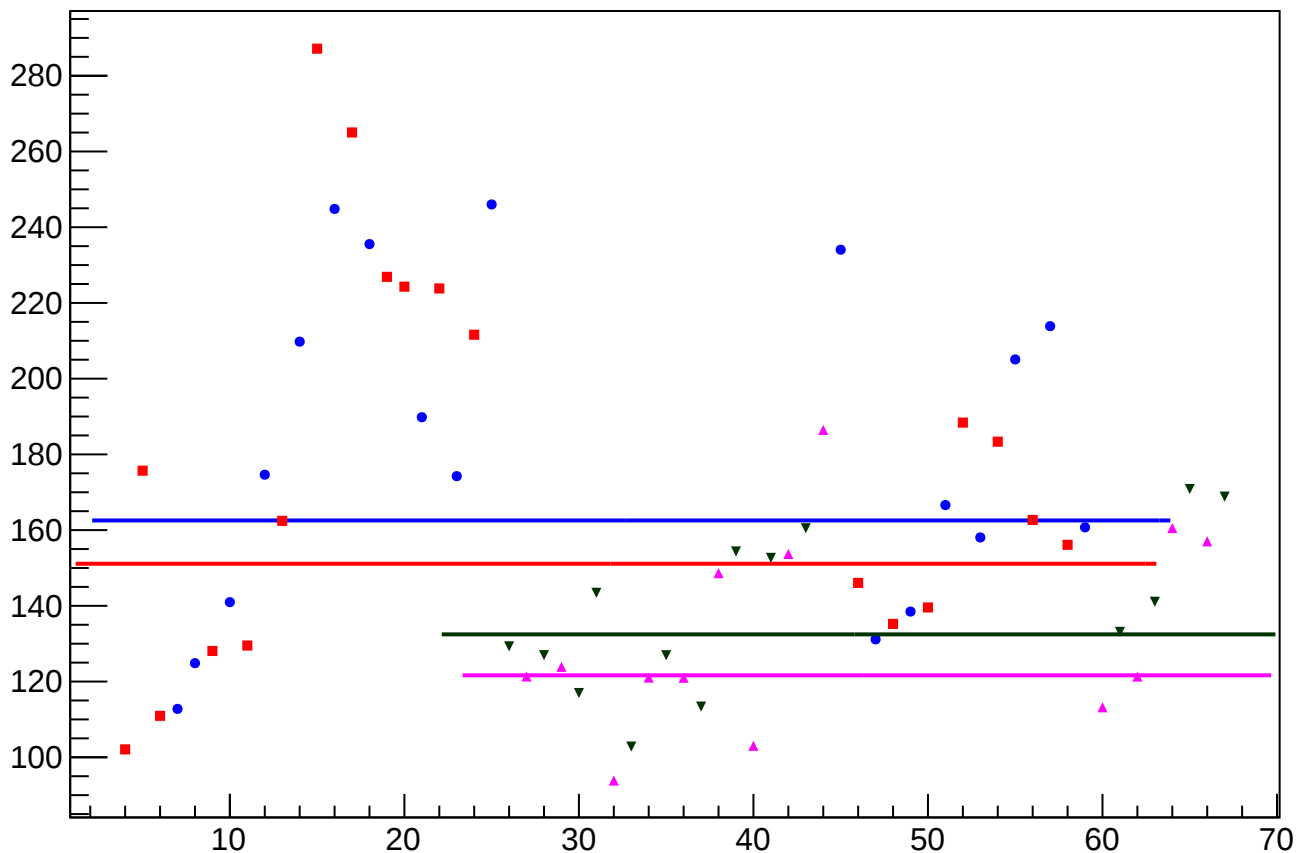
Right Out: 80.614+/-50.242 χ^2/NDF : 5.2/18

Left In: -28.715+/-44.866 χ^2/NDF : 1.5/12

38.368+/-35.363 χ^2/NDF : 11.1/31

19.789+/-33.465 χ^2/NDF : 9.4/31

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

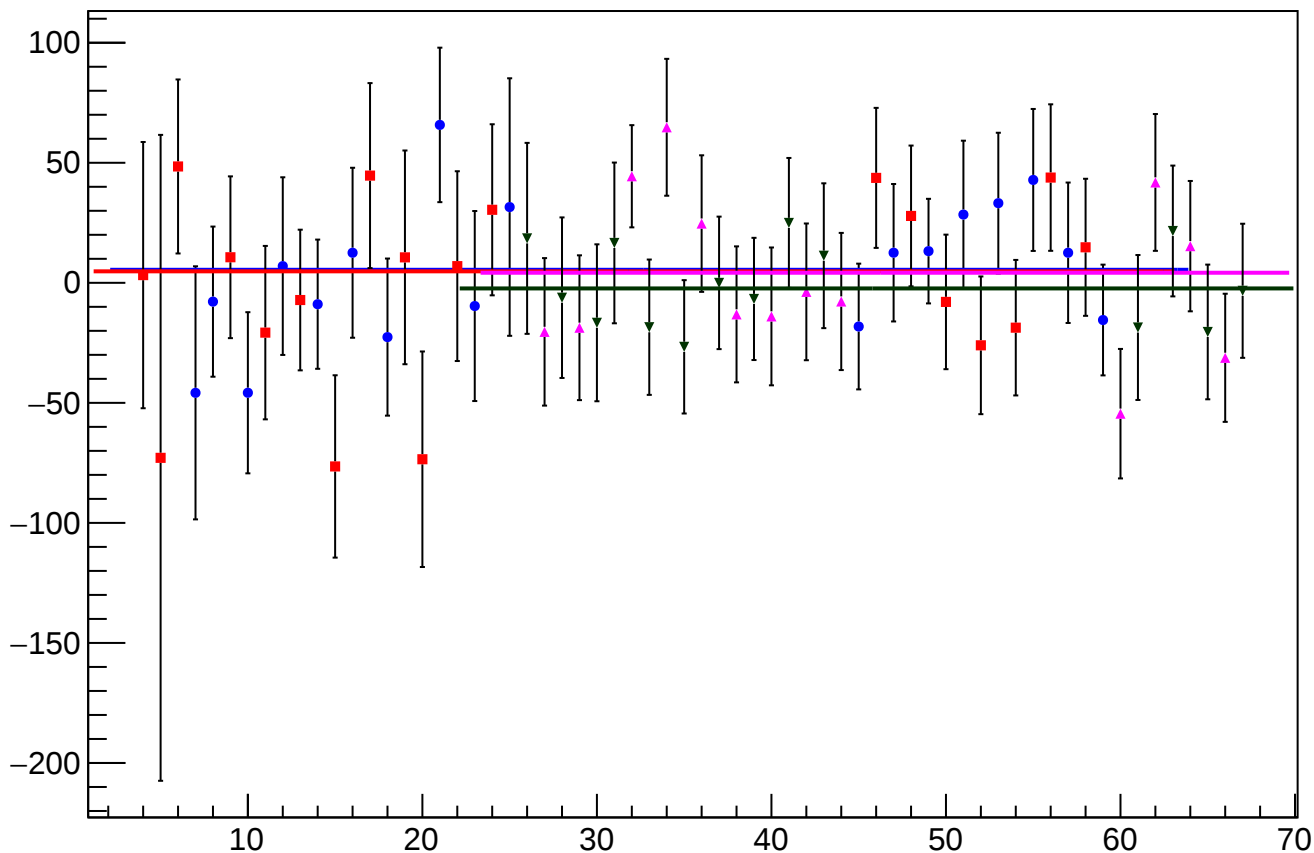
147.300+/-0.025 χ^2/NDF : 1769207.7/31

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

134.723+/-0.024 χ^2/NDF : 2200046.1/31

Left In: 121.650+/-0.032 χ^2/NDF : 510840.1/12

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs slug



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

Left Out: -2.339+/-7.849 χ^2/NDF : 4.6/13

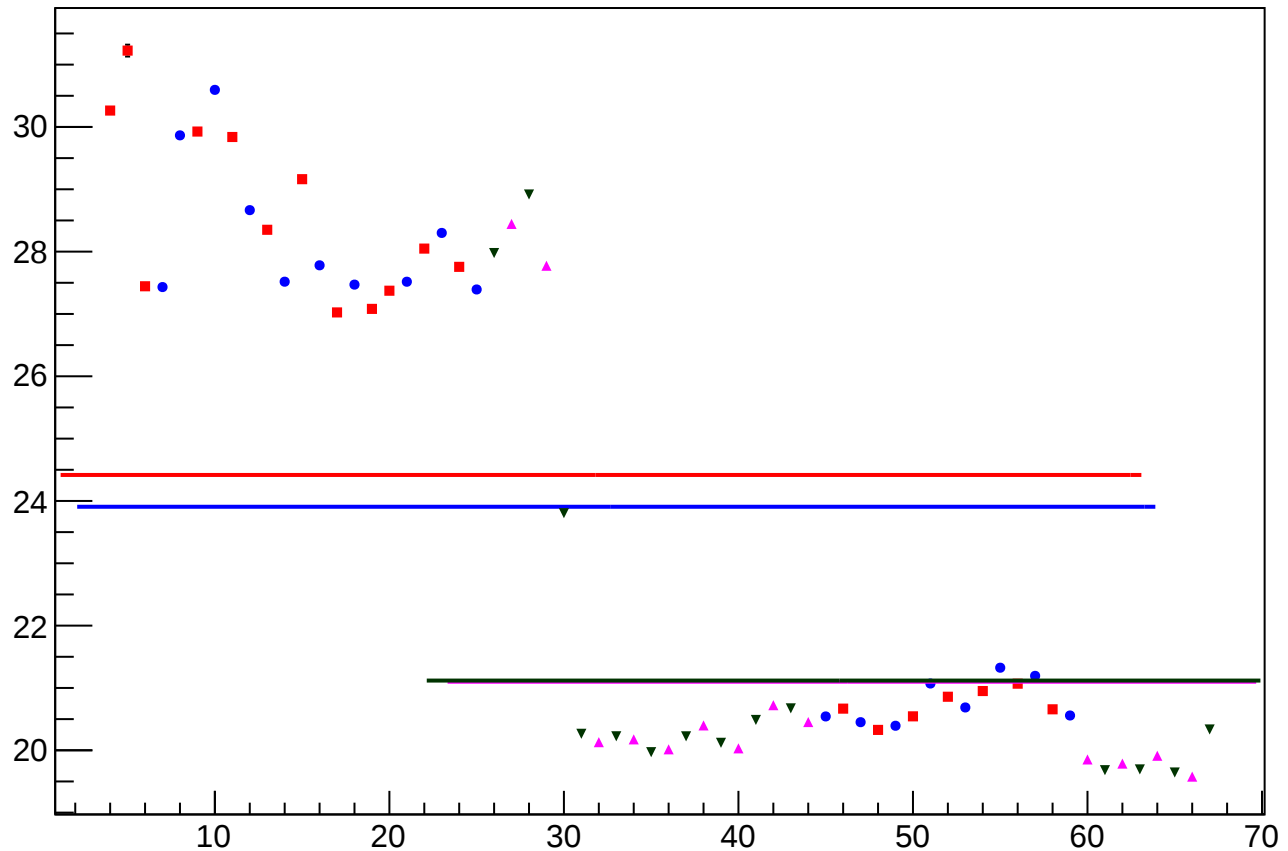
Right Out: 4.784+/-7.872 χ^2/NDF : 17.9/18

Left In: 4.199+/-7.643 χ^2/NDF : 19.3/12

1.876+/-5.308 χ^2/NDF : 18.5/31

4.483+/-5.484 χ^2/NDF : 37.2/31

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs slug



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

Left Out: 21.118+/-0.006 χ^2/NDF : 212317.6/13

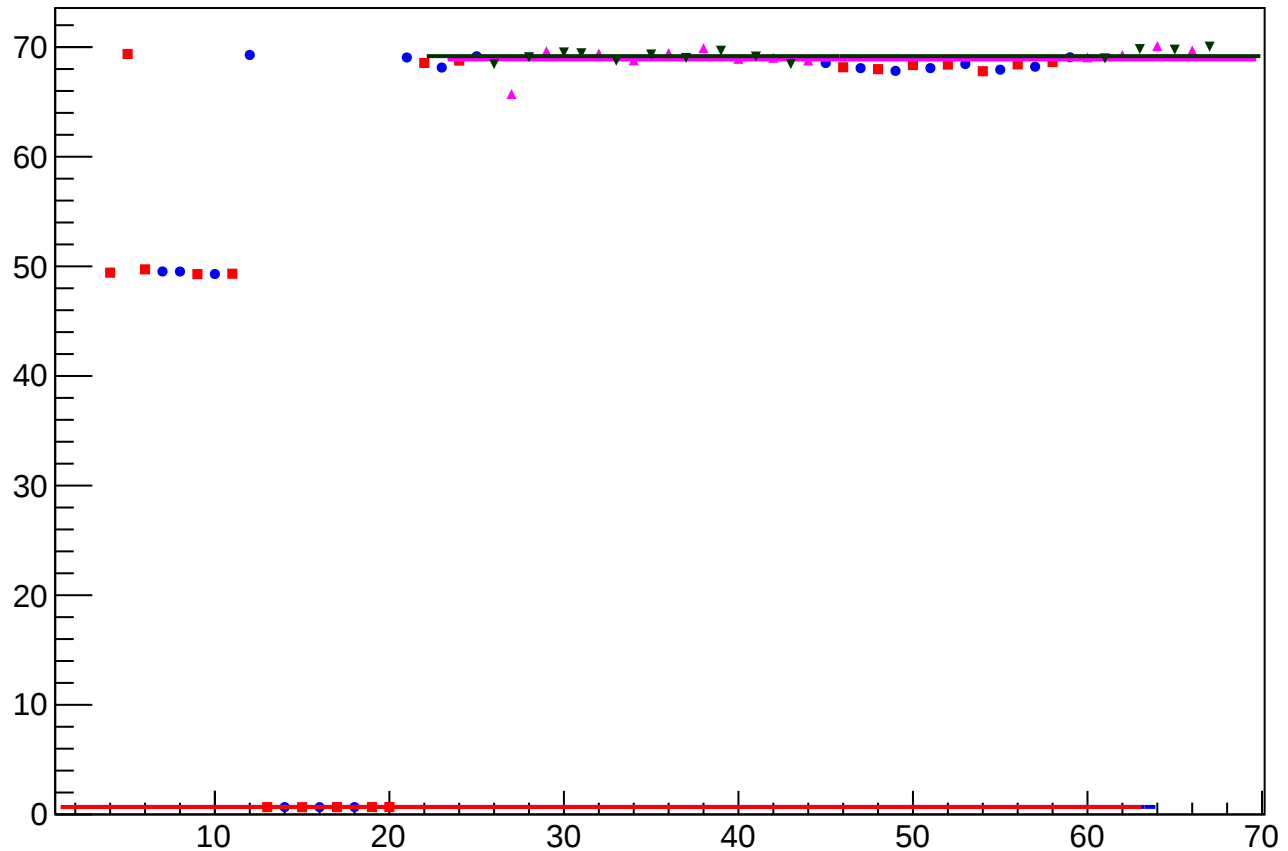
Right Out: 24.417+/-0.006 χ^2/NDF : 496476.9/18

Left In: 21.100+/-0.005 χ^2/NDF : 245665.7/12

22.632+/-0.004 χ^2/NDF : 915198.7/31

22.709+/-0.004 χ^2/NDF : 924979.4/31

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

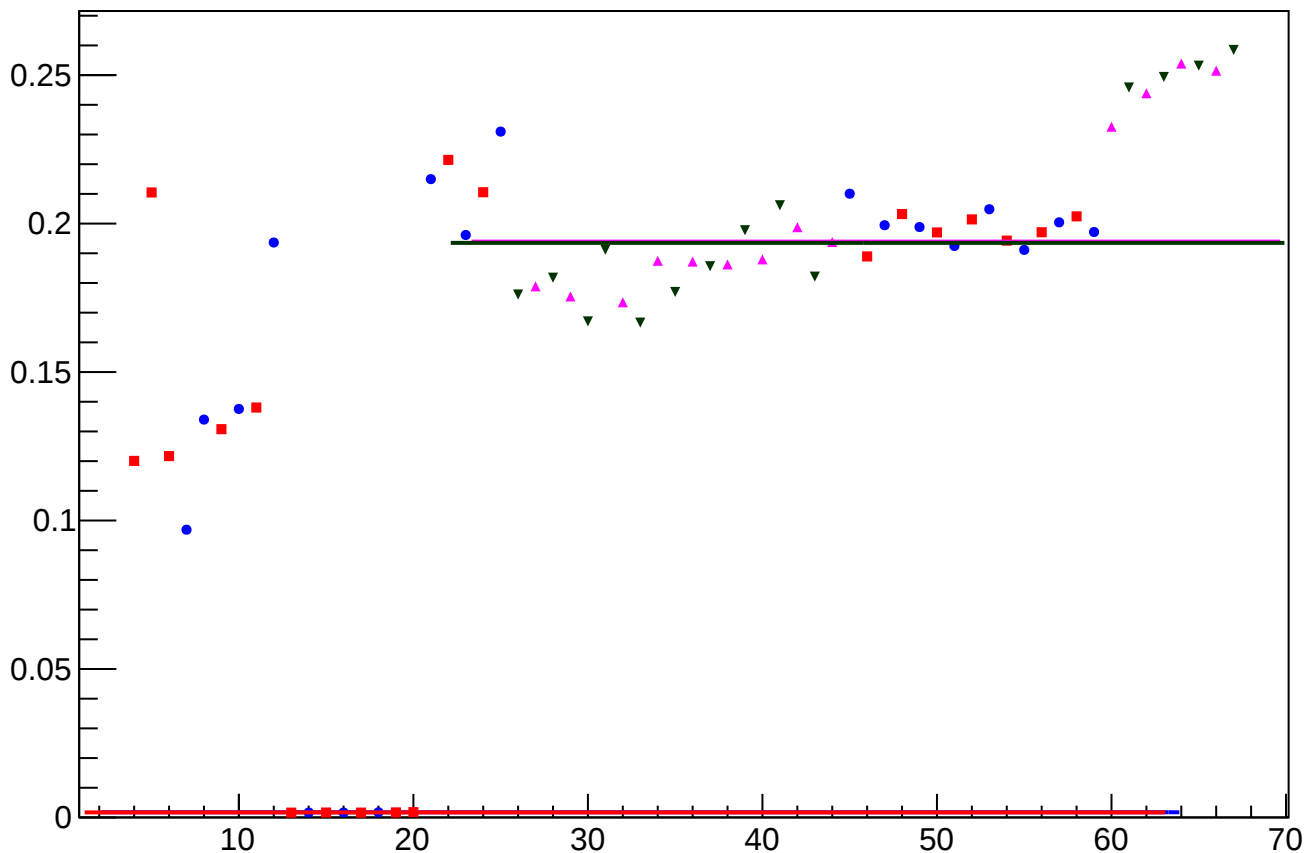
0.703+/-0.000 χ^2/NDF : 1912057101594.4/31

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

0.697+/-0.000 χ^2/NDF : 1759976788039.0/31

Left In: 68.876+/-0.000 χ^2/NDF : 317206457.6/12

yield_bcm_an_ds_rms vs slug



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

Left Out: 0.194+/-0.000 χ^2/NDF : 295446.1/13

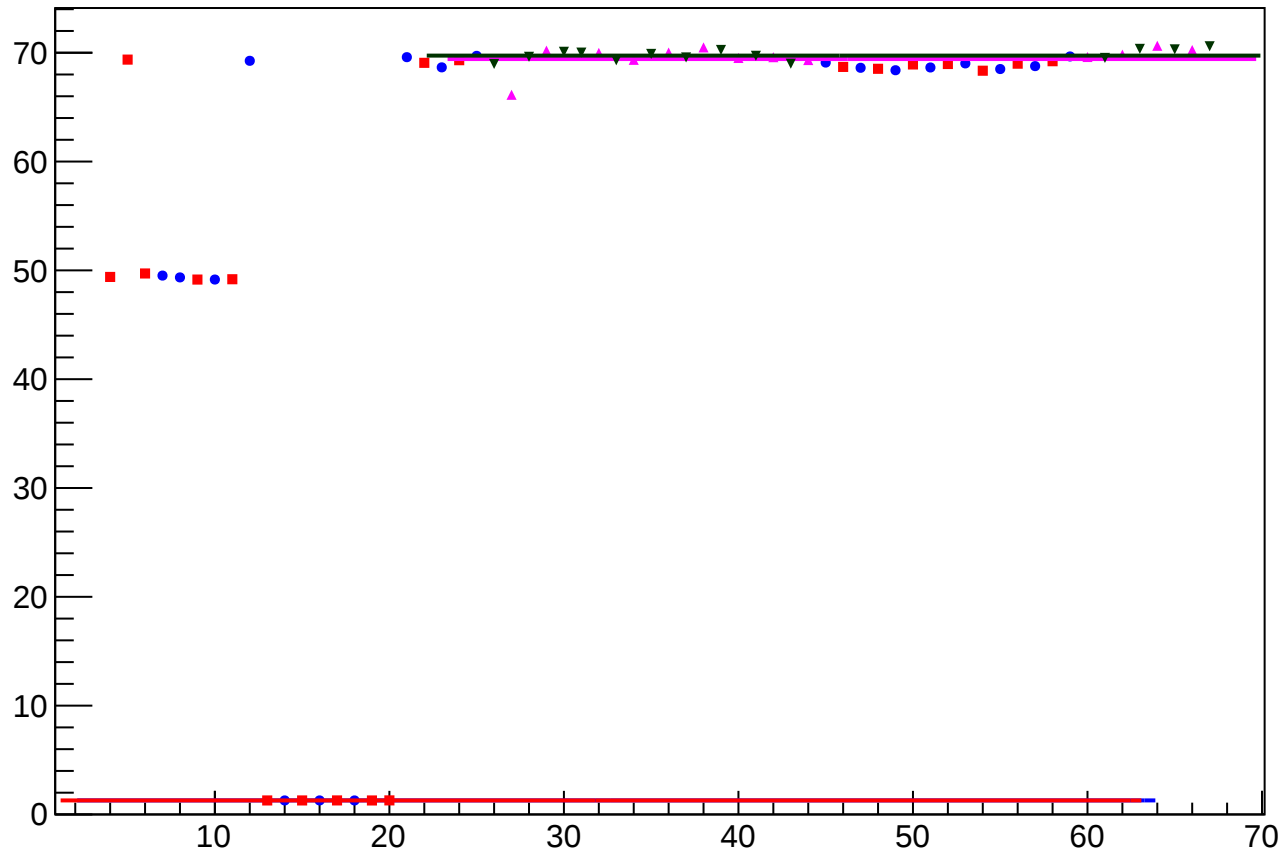
0.002+/-0.000 χ^2/NDF : 30912100.2/31

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

0.002+/-0.000 χ^2/NDF : 28277758.1/31

Left In: 0.194+/-0.000 χ^2/NDF : 244182.1/12

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

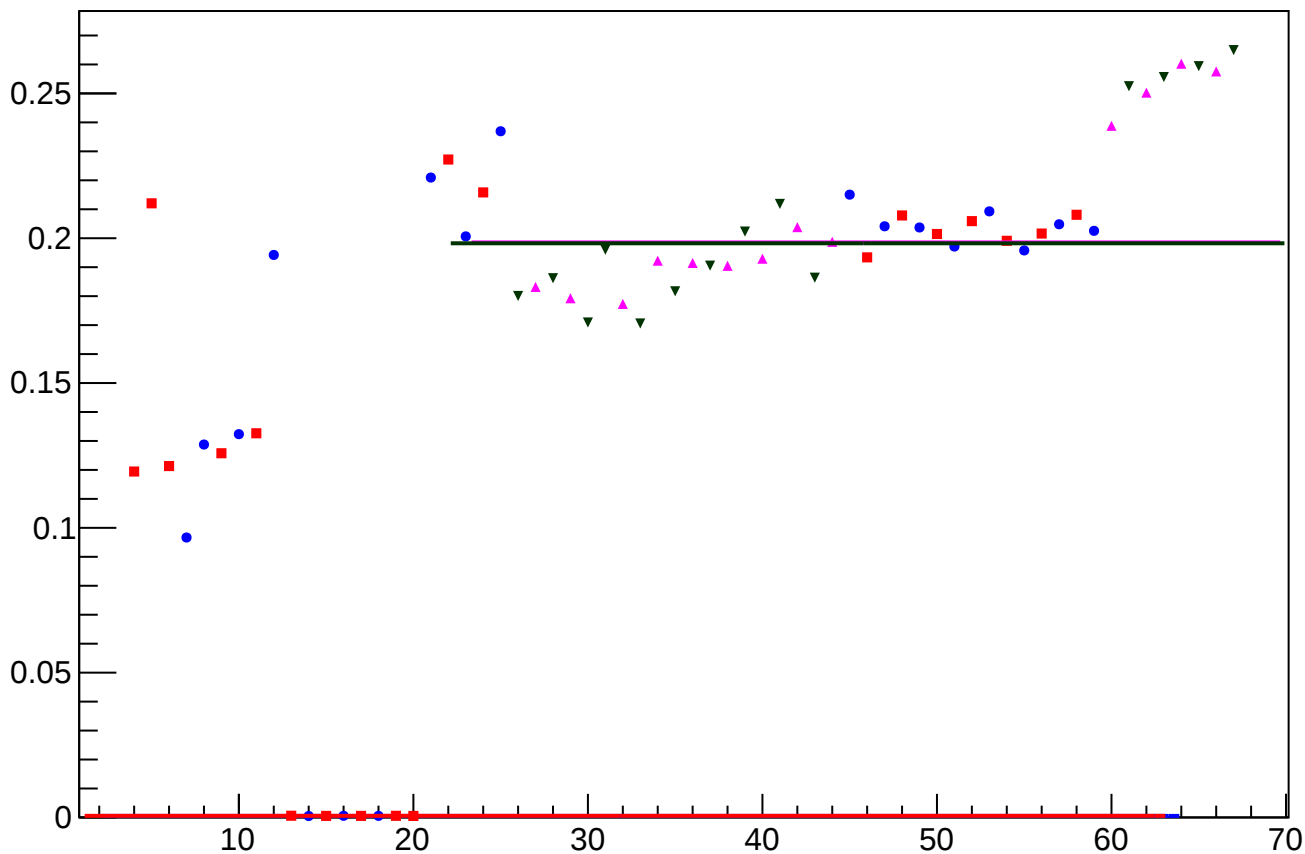
Right Out: 1.290+/-0.000 χ^2/NDF : 826763948171.6/18

Left In: 69.420+/-0.000 χ^2/NDF : 326335421.2/12

1.292+/-0.000 χ^2/NDF : 1842539613502.1/31

1.292+/-0.000 χ^2/NDF : 1697025908582.7/31

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

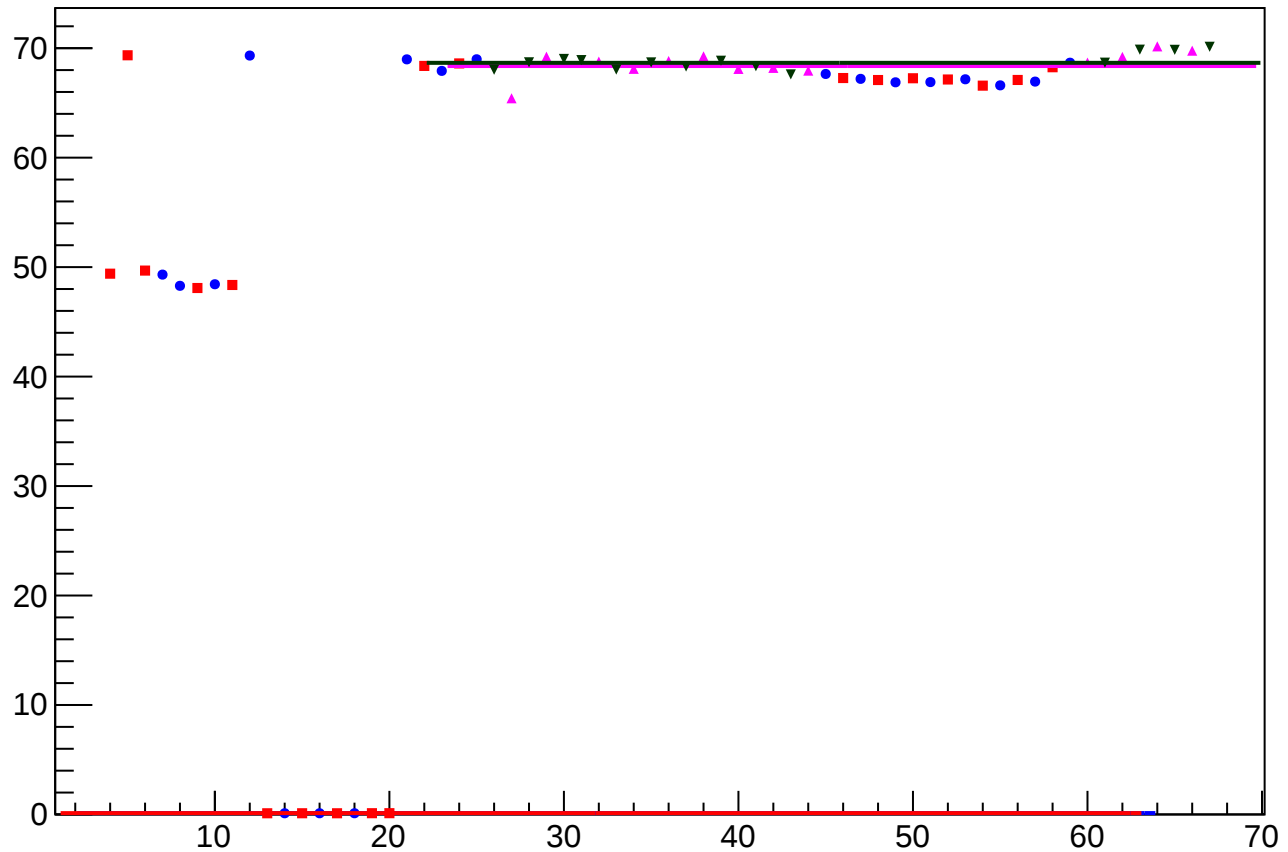
0.001+/-0.000 χ^2/NDF : 31334036.8/31

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

0.001+/-0.000 χ^2/NDF : 28638268.7/31

Left In: 0.199+/-0.000 χ^2/NDF : 247850.0/12

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

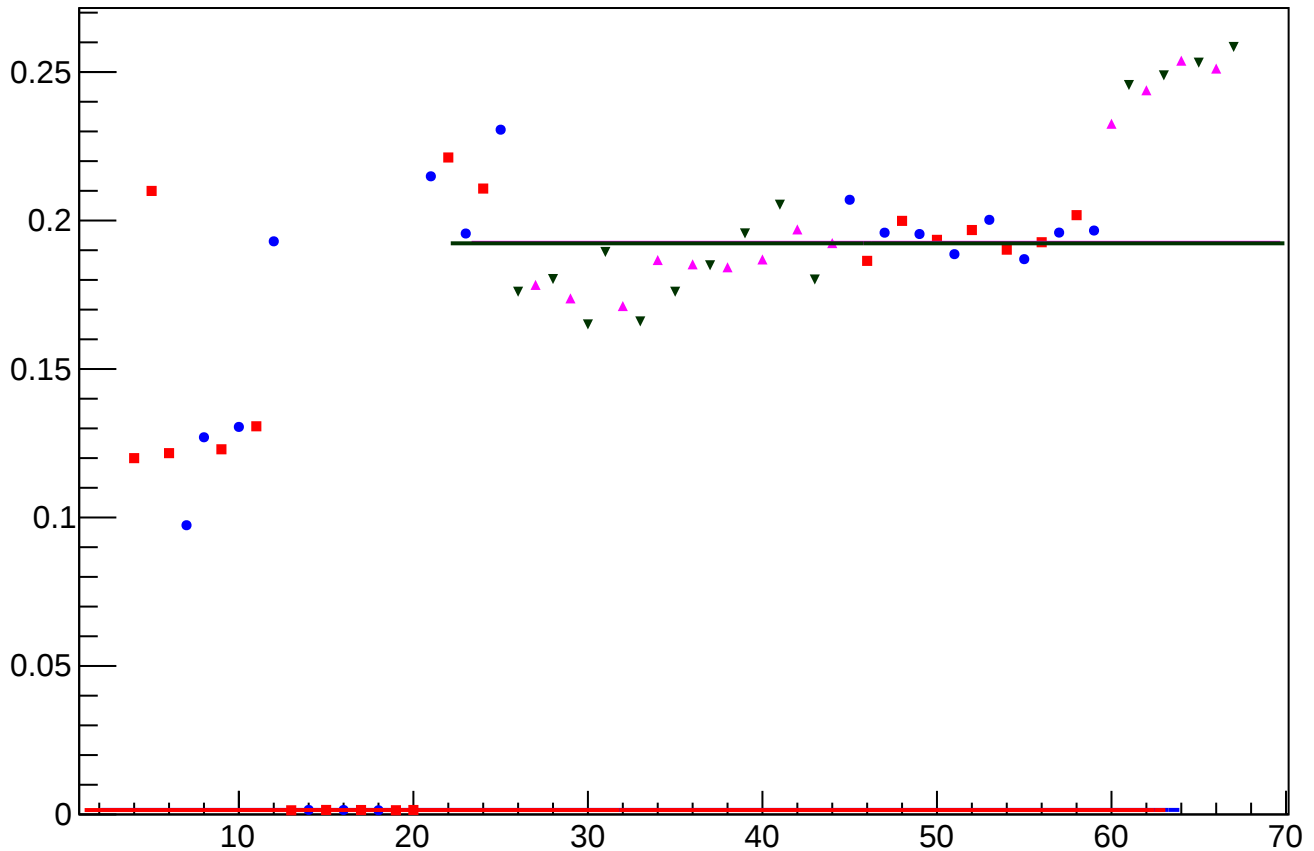
0.139+/-0.000 χ^2/NDF : 1955647430243.7/31

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

0.132+/-0.000 χ^2/NDF : 1804734294592.8/31

Left In: 68.370+/-0.000 χ^2/NDF : 316150194.7/12

yield_bcm_an_us_rms vs slug



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

Left Out: 0.192 $\pm$ 0.000 χ^2 /NDF:304027.7/13

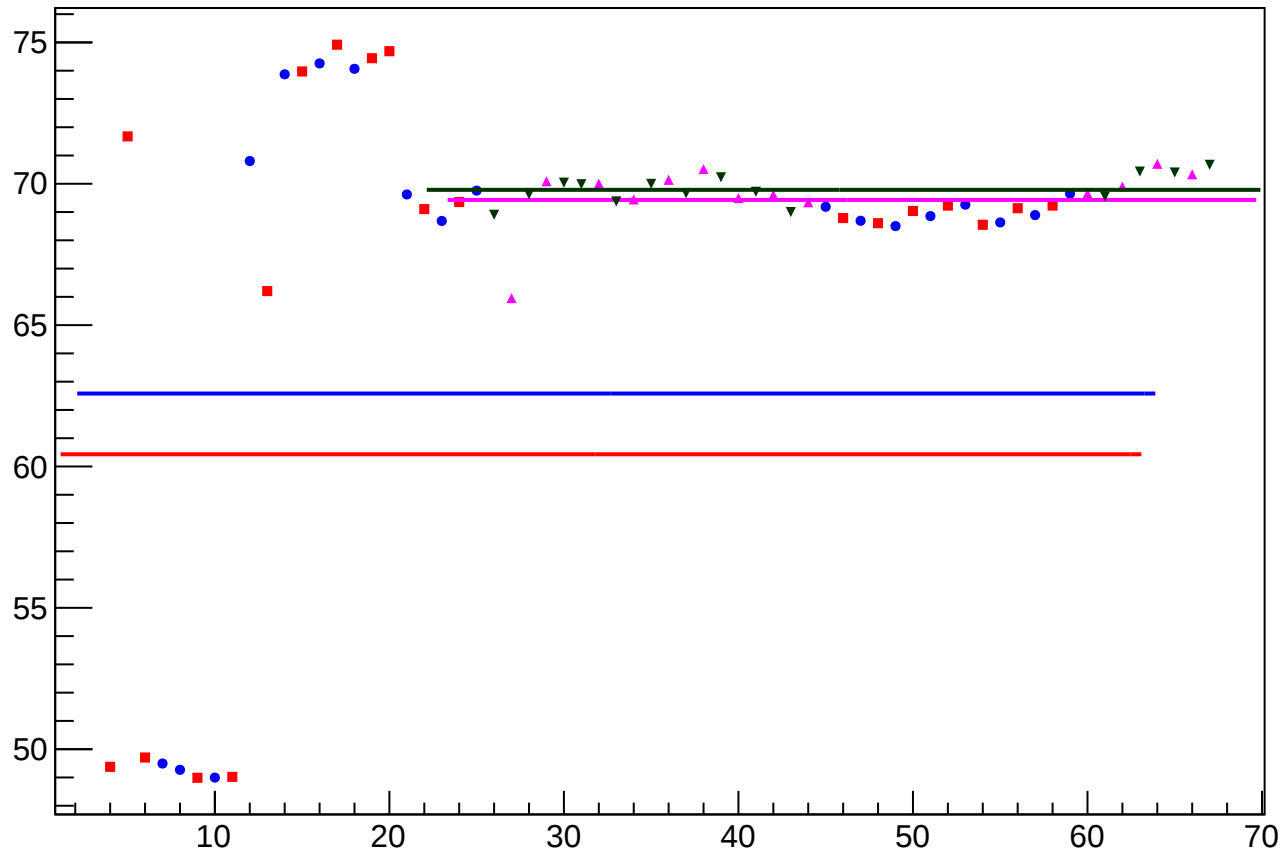
0.002 $\pm$ 0.000 χ^2 /NDF: 30949151.4/31

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

0.002 $\pm$ 0.000 χ^2 /NDF: 28330638.0/31

Left In: 0.192 $\pm$ 0.000 χ^2 /NDF:256227.7/12

yield_bcm_dg_us_mean vs slug



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

Left Out: 69.786 $\pm$ 0.000 χ^2/NDF : 39765532.5/13

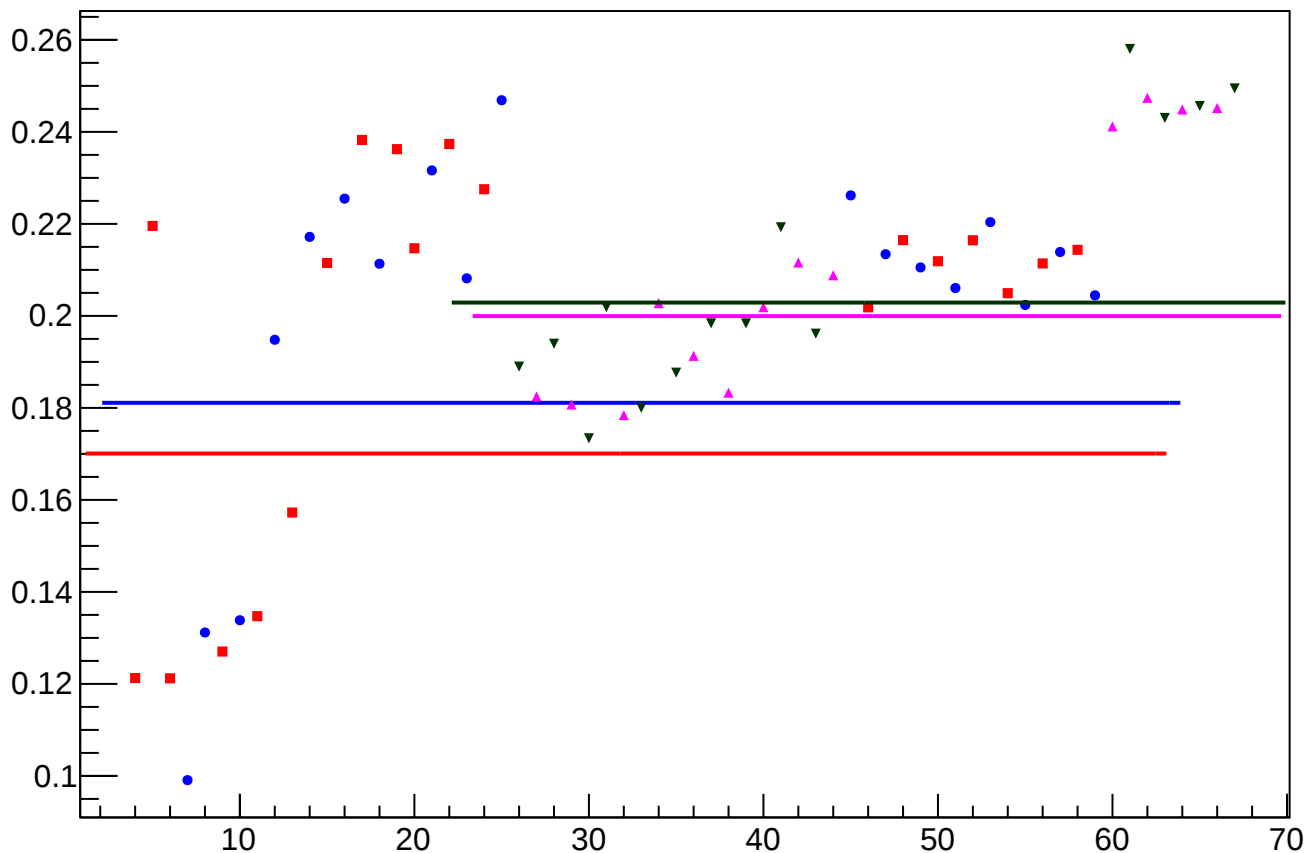
65.121 $\pm$ 0.000 χ^2/NDF : 39465145138.3/31

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

63.819 $\pm$ 0.000 χ^2/NDF : 42675537021.3/31

Left In: 69.429 $\pm$ 0.000 χ^2/NDF : 362376565.1/12

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

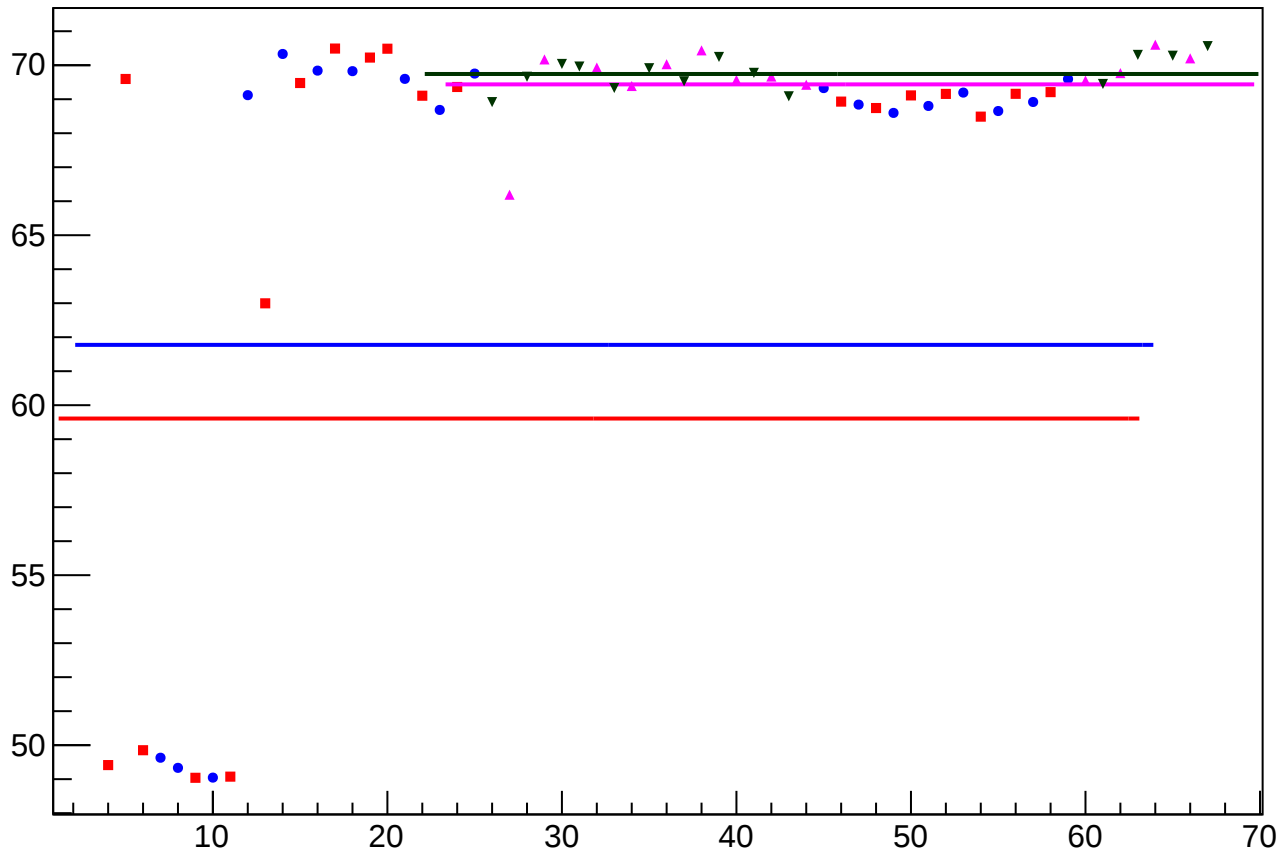
Right Out: 0.170+/-0.000 χ^2/NDF : 1183604.4/18

Left In: 0.200+/-0.000 χ^2/NDF : 212099.6/12

0.189+/-0.000 χ^2/NDF : 1522496.0/31

0.181+/-0.000 χ^2/NDF : 1601541.9/31

yield_bcm_dg_ds_mean vs slug



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

Left Out: 69.742 $\pm$ 0.000 χ^2 /NDF: 35404835.5/13

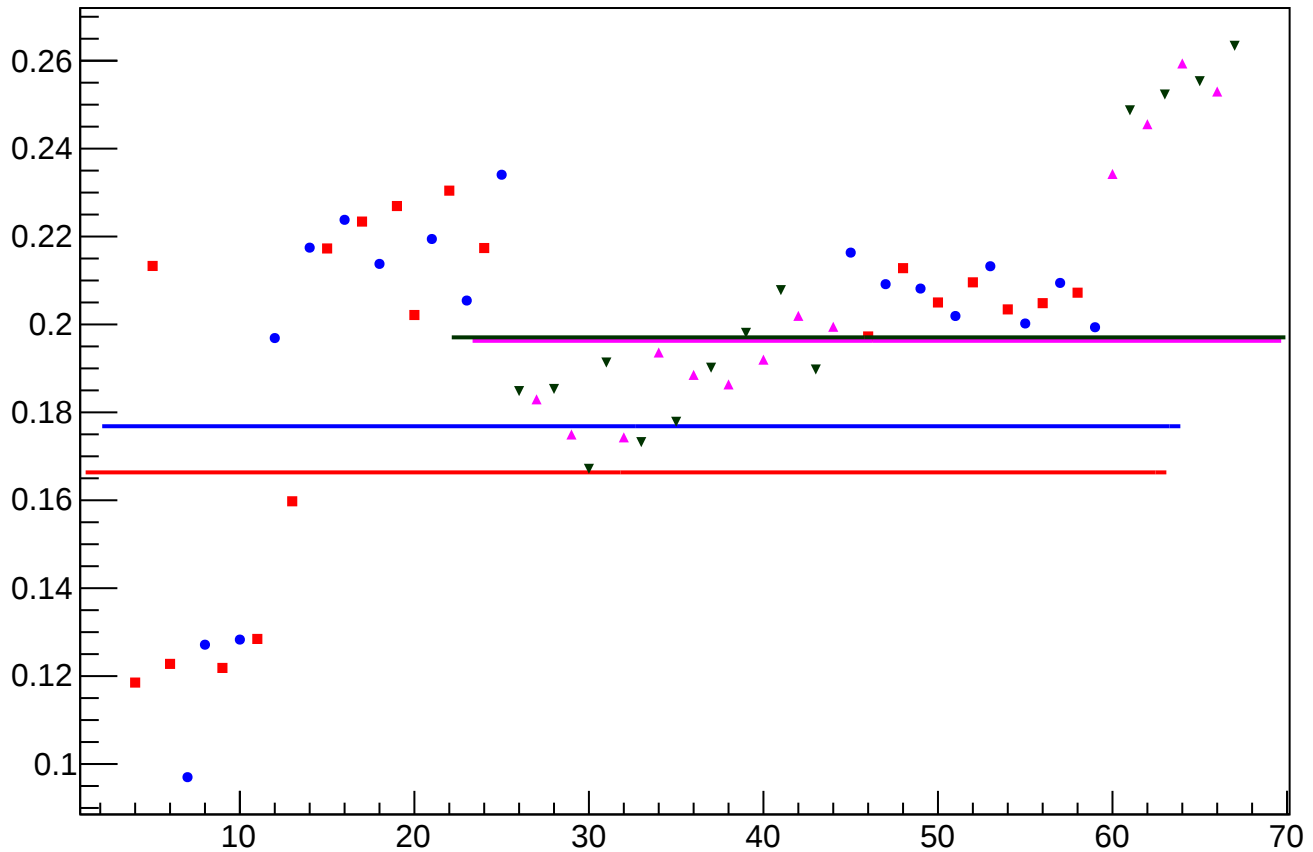
Right Out: 59.608 $\pm$ 0.000 χ^2 /NDF: 29547406430.8/18

Left In: 69.437 $\pm$ 0.000 χ^2 /NDF: 314162970.5/12

64.596 $\pm$ 0.000 χ^2 /NDF: 38393136414.7/31

63.287 $\pm$ 0.000 χ^2 /NDF: 41450933292.6/31

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

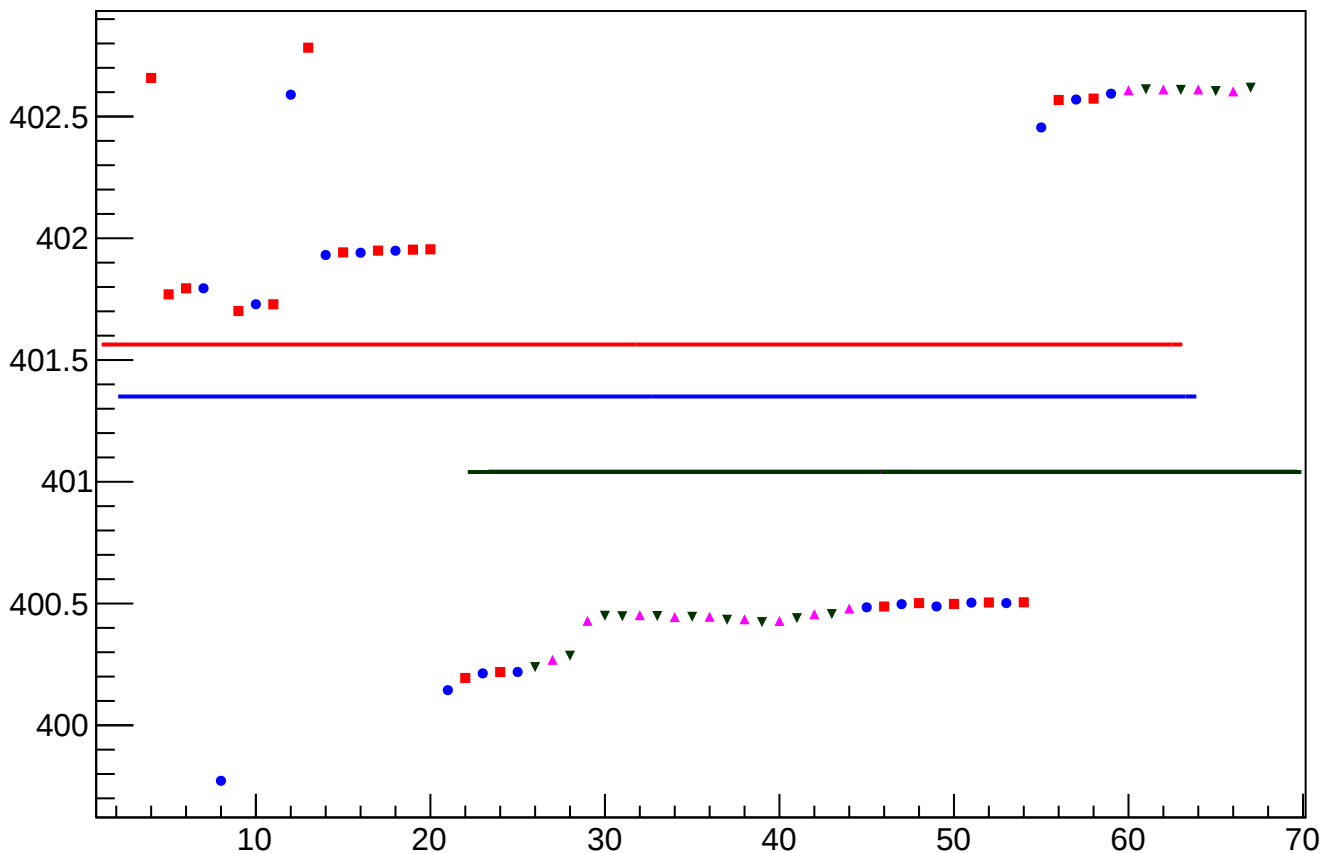
0.184+/-0.000 χ^2/NDF : 1654064.9/31

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

0.178+/-0.000 χ^2/NDF : 1620849.6/31

Left In: 0.196+/-0.000 χ^2/NDF : 249438.6/12

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

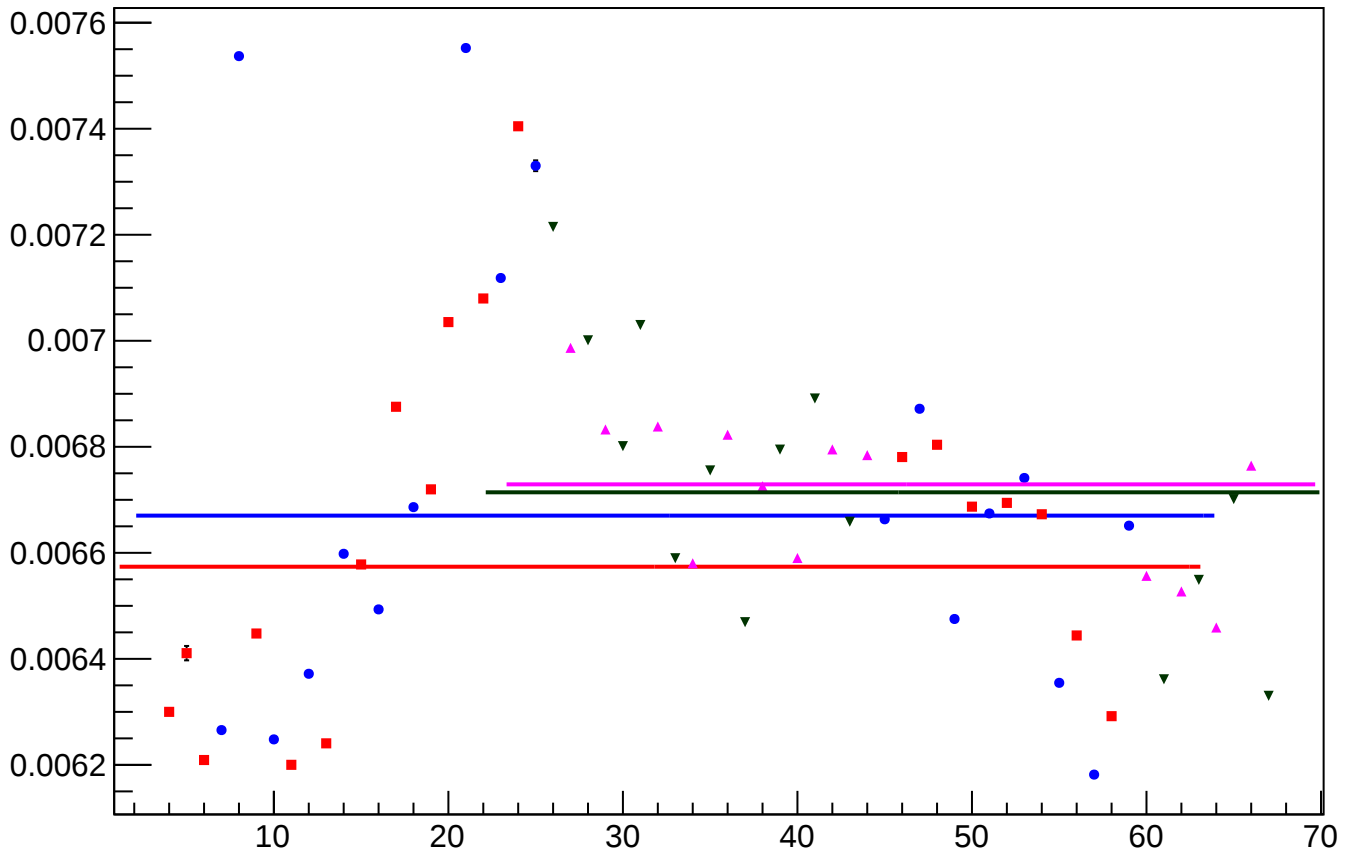
Right Out: 401.564+/-0.000 χ^2/NDF : 183973928948.5/18

Left In: 401.043+/-0.000 χ^2/NDF : 167057313715.8/12

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

401.342+/-0.000 χ^2/NDF : 377700233917.0/31

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

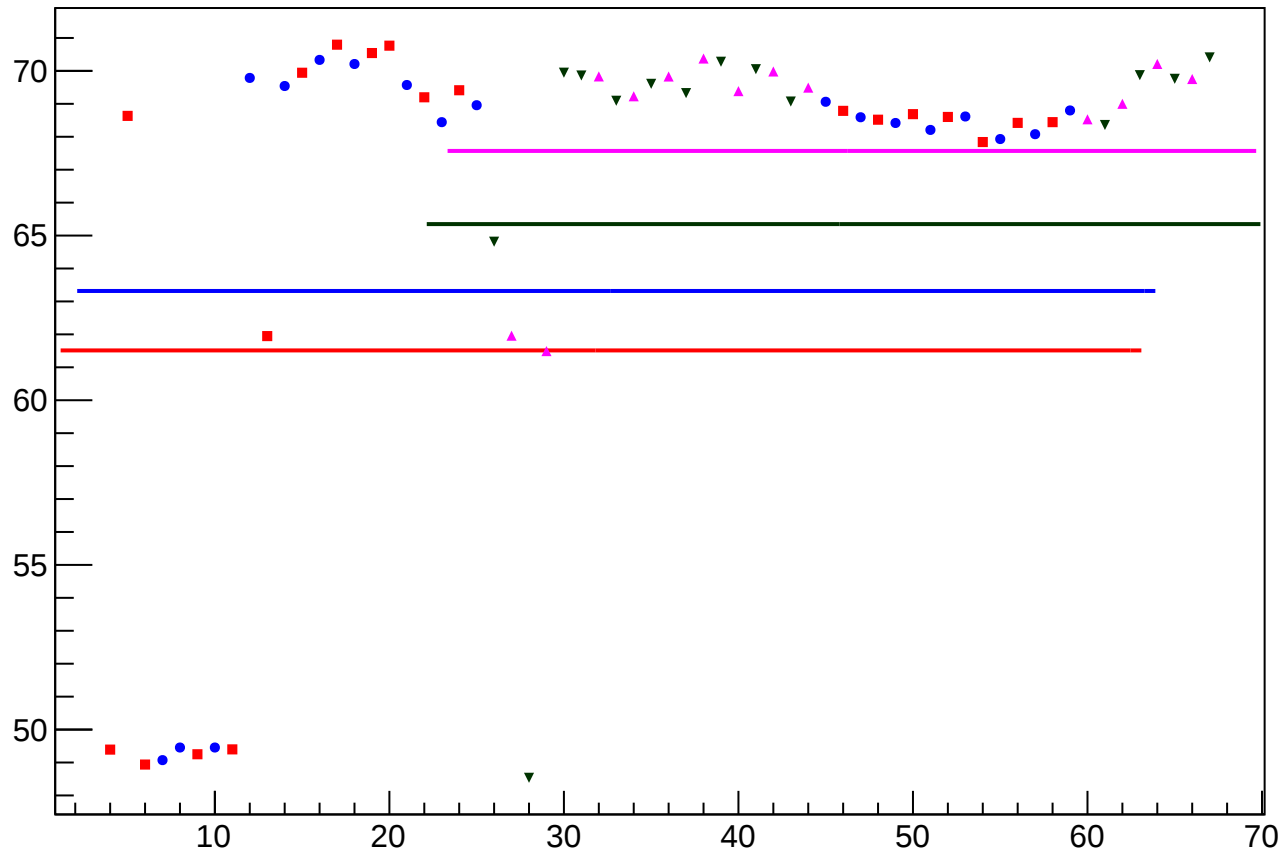
Right Out: 0.007+/-0.000 χ^2/NDF : 47681.9/18

Left In: 0.007+/-0.000 χ^2/NDF :8059.1/12

0.007+/-0.000 χ^2/NDF : 96108.2/31

0.007+/-0.000 χ^2/NDF : 60481.2/31

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

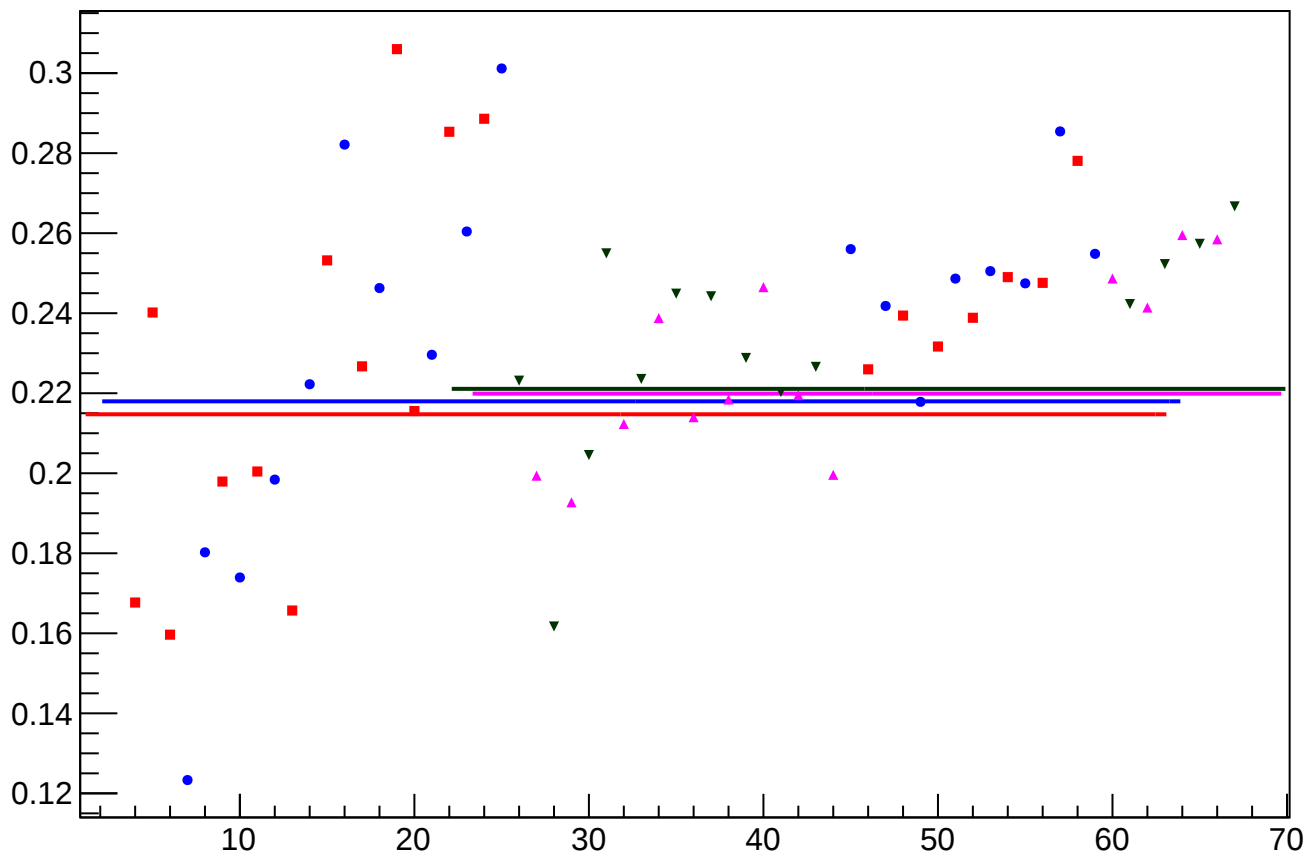
64.115+/-0.000 χ^2/NDF : 26640826645.9/31

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

64.180+/-0.000 χ^2/NDF : 20159999462.5/31

Left In: 67.570+/-0.000 χ^2/NDF : 1800418350.0/12

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

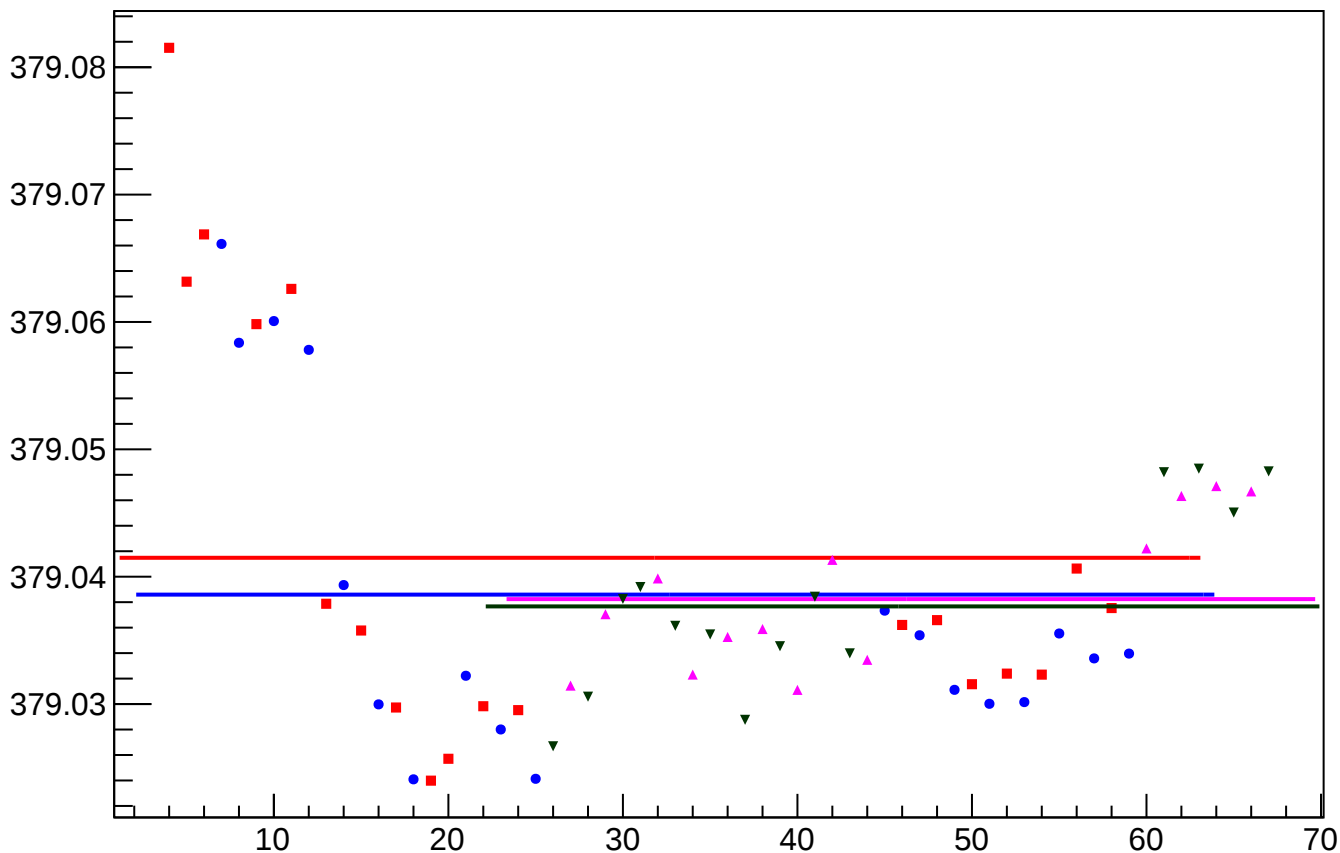
Right Out: 0.215+/-0.000 χ^2/NDF : 631176.3/18

Left In: 0.220+/-0.000 χ^2/NDF : 143809.7/12

0.219+/-0.000 χ^2/NDF : 1029044.7/31

0.217+/-0.000 χ^2/NDF : 779361.3/31

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

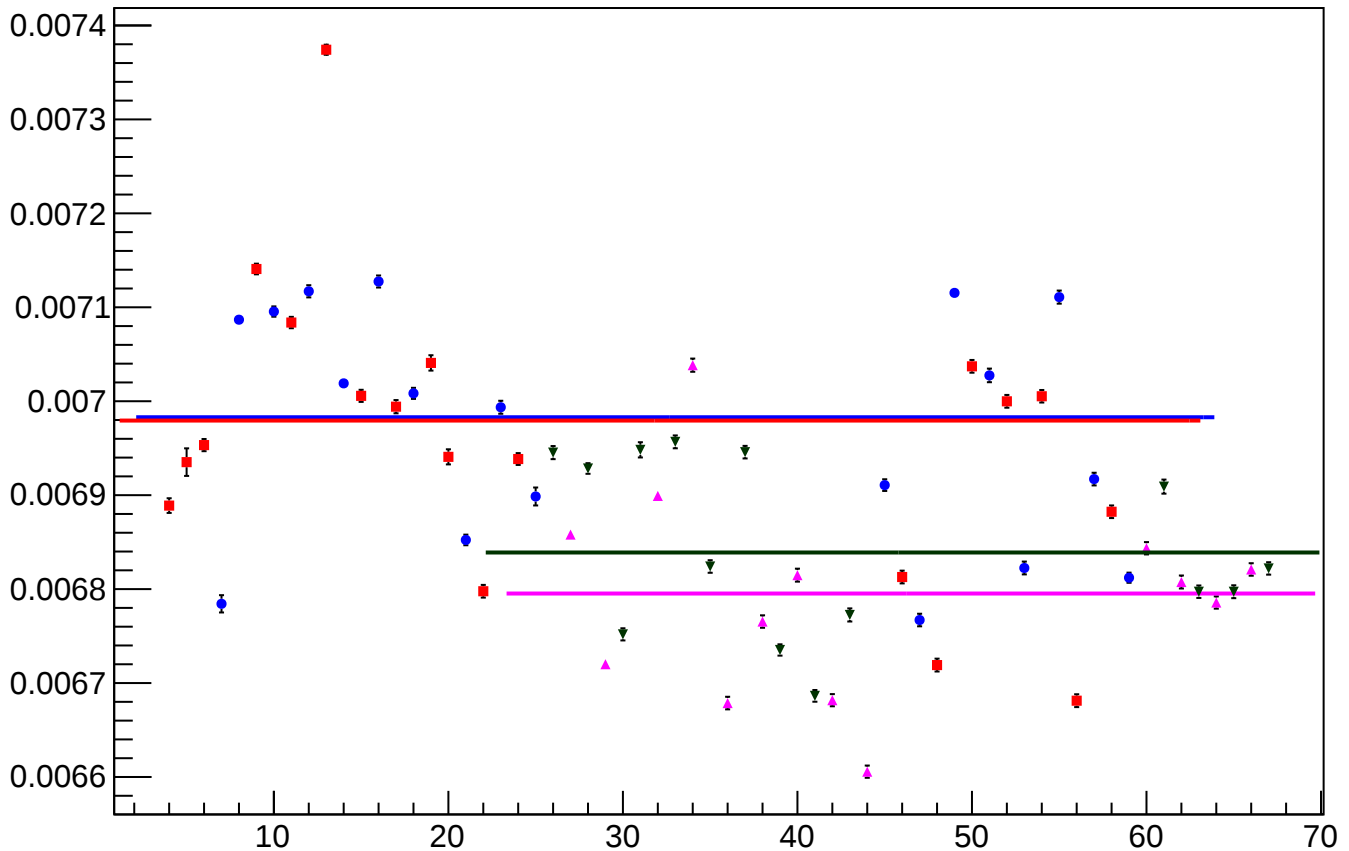
Right Out: 379.041 $\pm$ 0.000 χ^2 /NDF: 46280794.1/18

Left In: 379.038 $\pm$ 0.000 χ^2 /NDF: 4938982.2/12

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

379.040 $\pm$ 0.000 χ^2 /NDF: 52191596.3/31

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

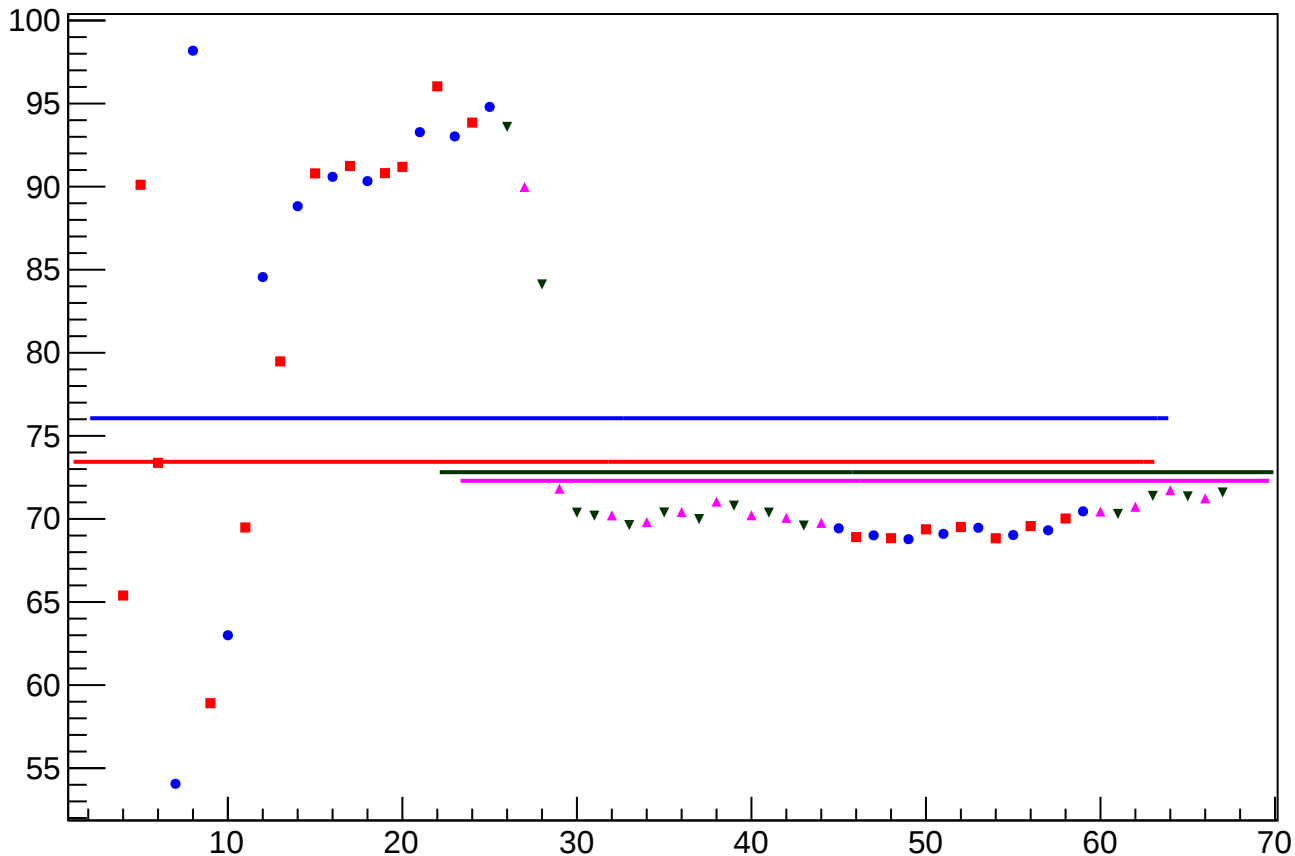
Right Out: 0.007+/-0.000 χ^2/NDF : 11747.2/18

Left In: 0.007+/-0.000 χ^2/NDF : 3515.1/12

0.007+/-0.000 χ^2/NDF : 13136.0/31

0.007+/-0.000 χ^2/NDF : 21521.1/31

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

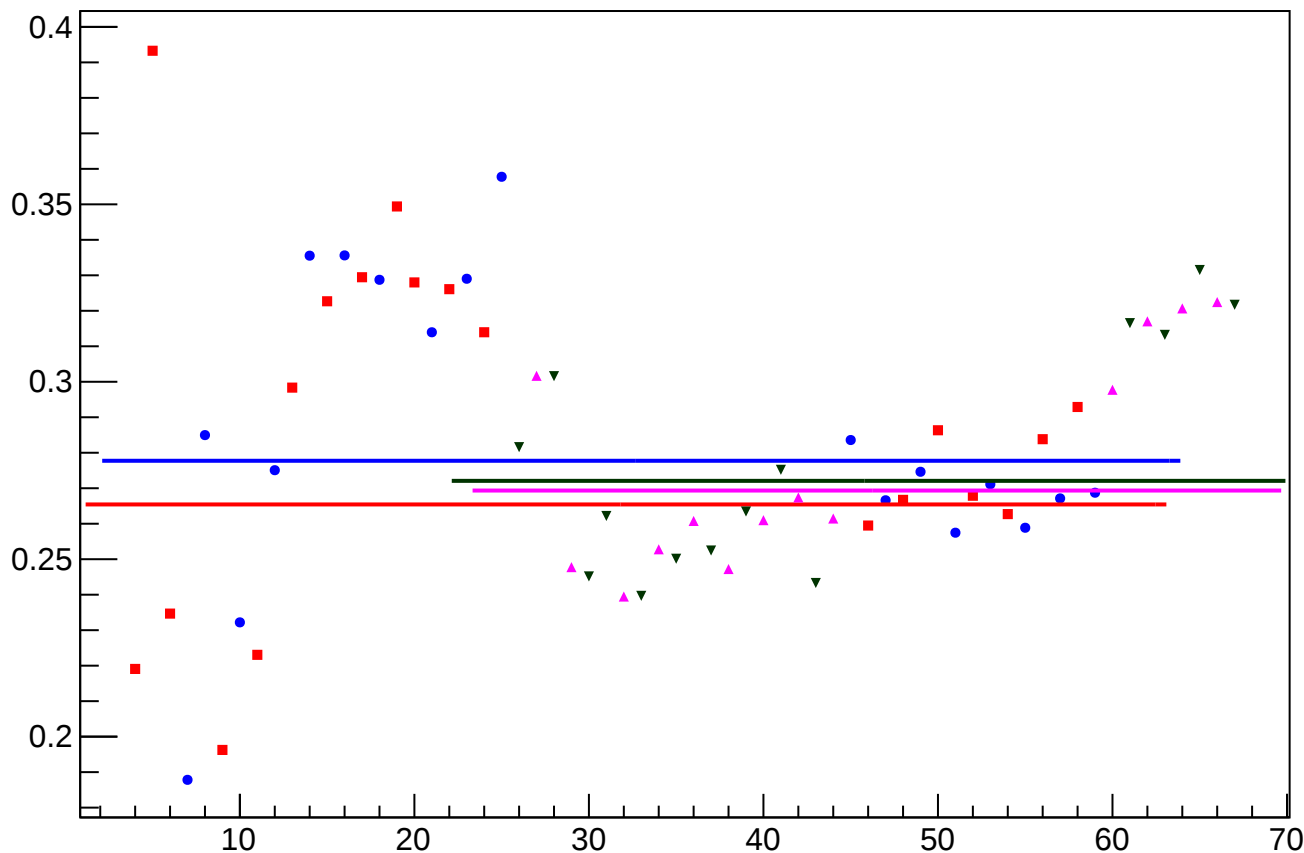
Right Out: 73.439+/-0.000 χ^2/NDF : 14741427319.0/18

Left In: 72.295+/-0.000 χ^2/NDF : 2976336044.3/12

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

72.931+/-0.000 χ^2/NDF : 17790289773.7/31

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

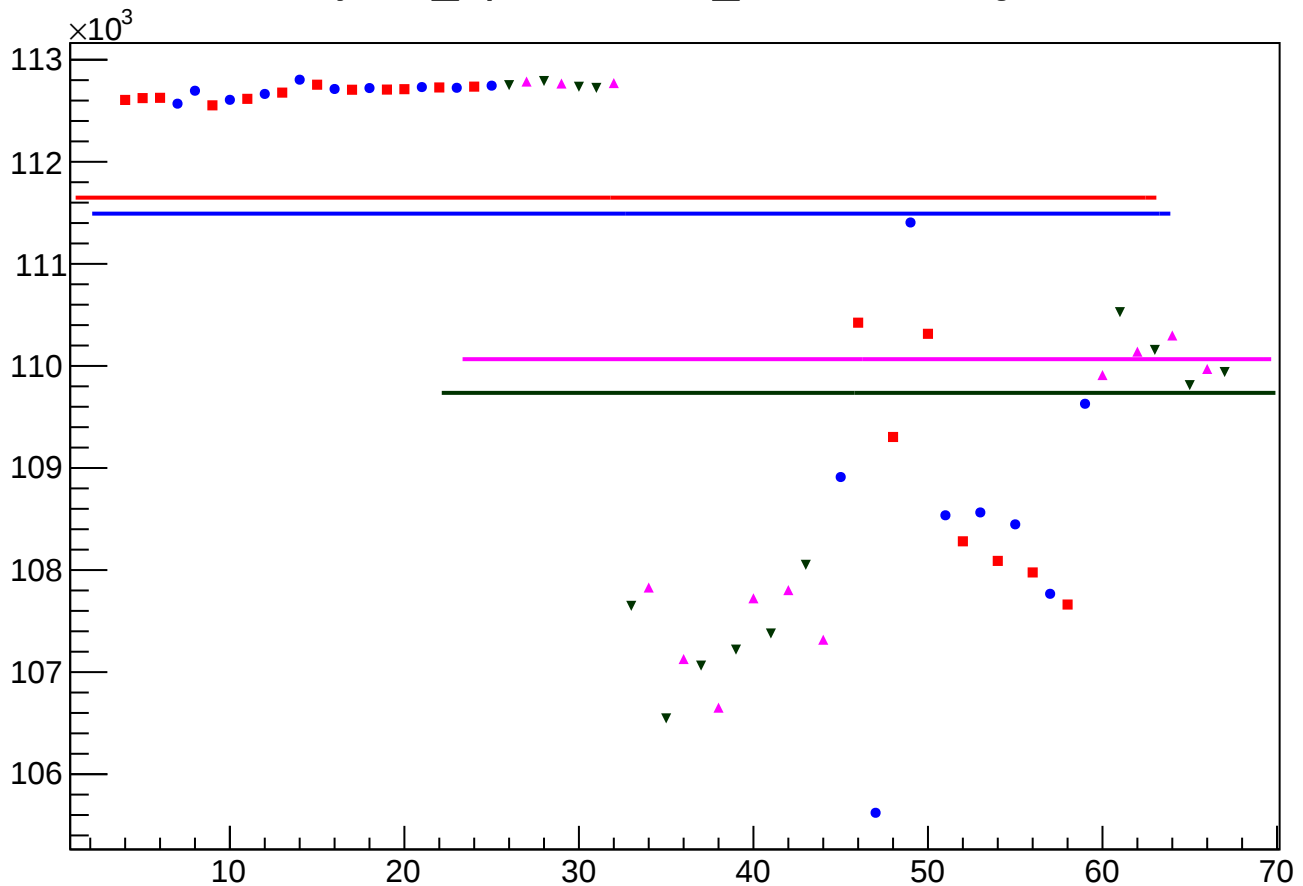
Right Out: 0.265+/-0.000 χ^2/NDF : 503582.7/18

Left In: 0.269+/-0.000 χ^2/NDF :156301.7/12

0.275+/-0.000 χ^2/NDF : 533325.7/31

0.267+/-0.000 χ^2/NDF : 661583.7/31

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

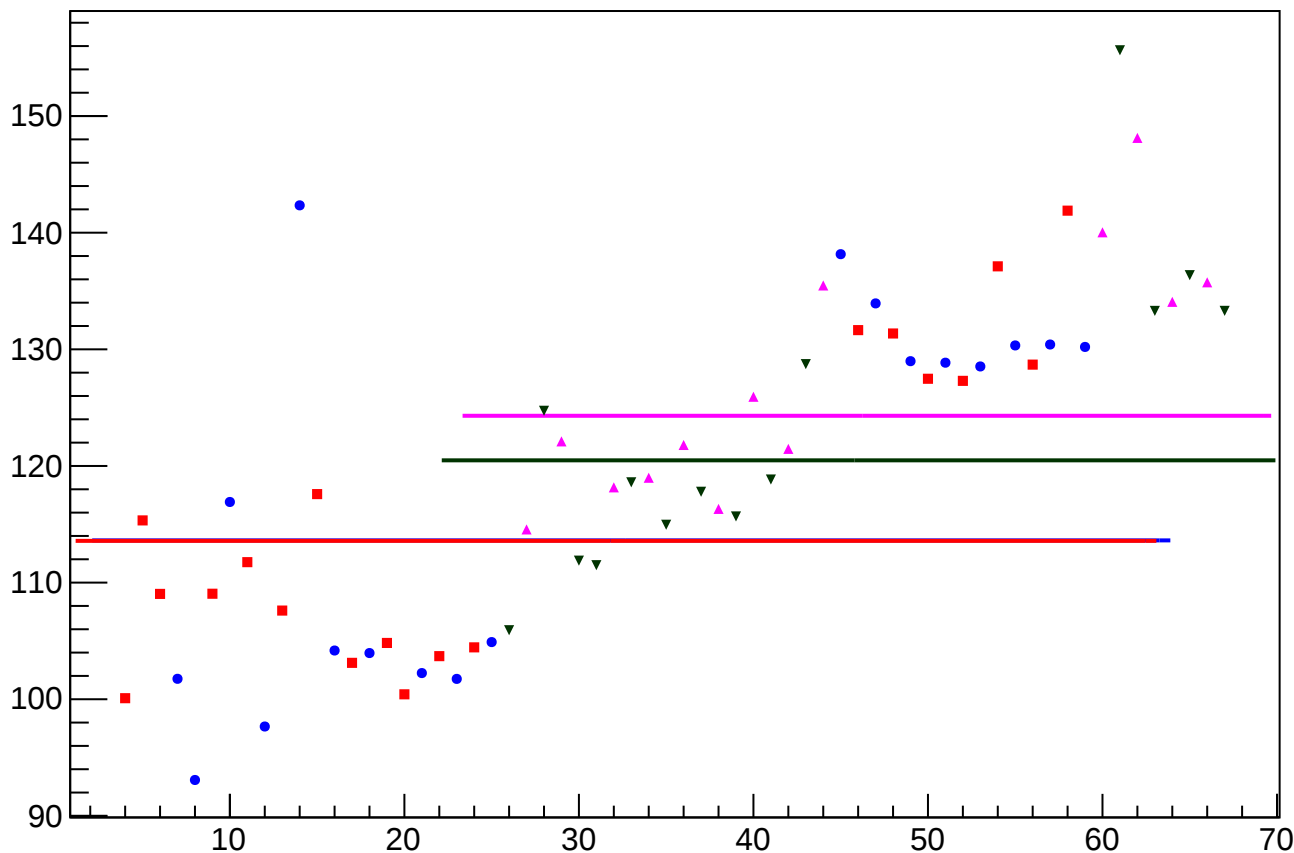
Right Out: 111648.935 $\pm$ 0.037 χ^2 /NDF: 2298631932.7/18

Left In: 110066.192 $\pm$ 0.047 χ^2 /NDF: 2592276453.3/12

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

111040.690 $\pm$ 0.029 χ^2 /NDF: 5585235188.5/31

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

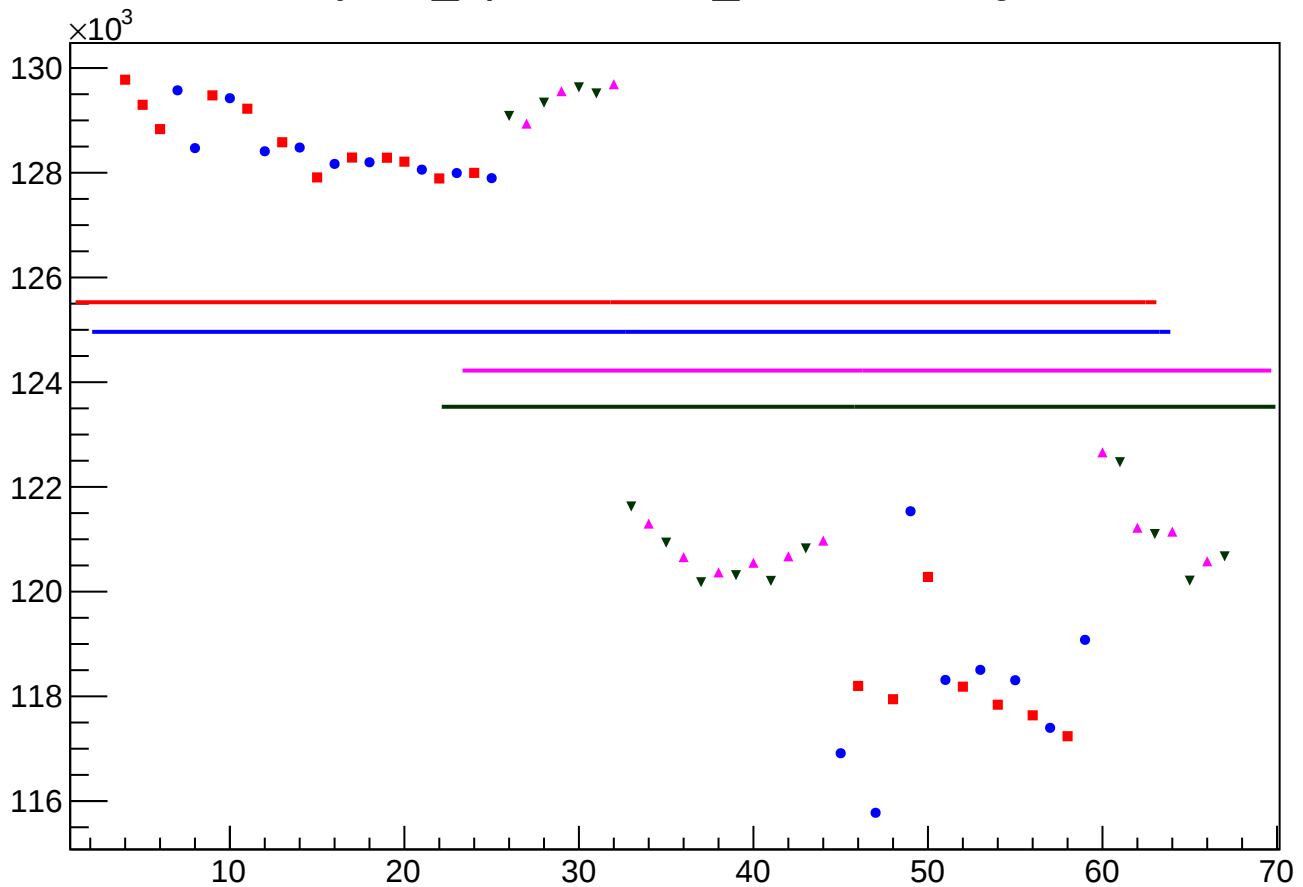
Right Out: 113.579 $\pm$ 0.026 χ^2 /NDF: 206805.2/18

Left In: 124.304 $\pm$ 0.033 χ^2 /NDF:72119.3/12

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

117.701 $\pm$ 0.021 χ^2 /NDF: 342676.5/31

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

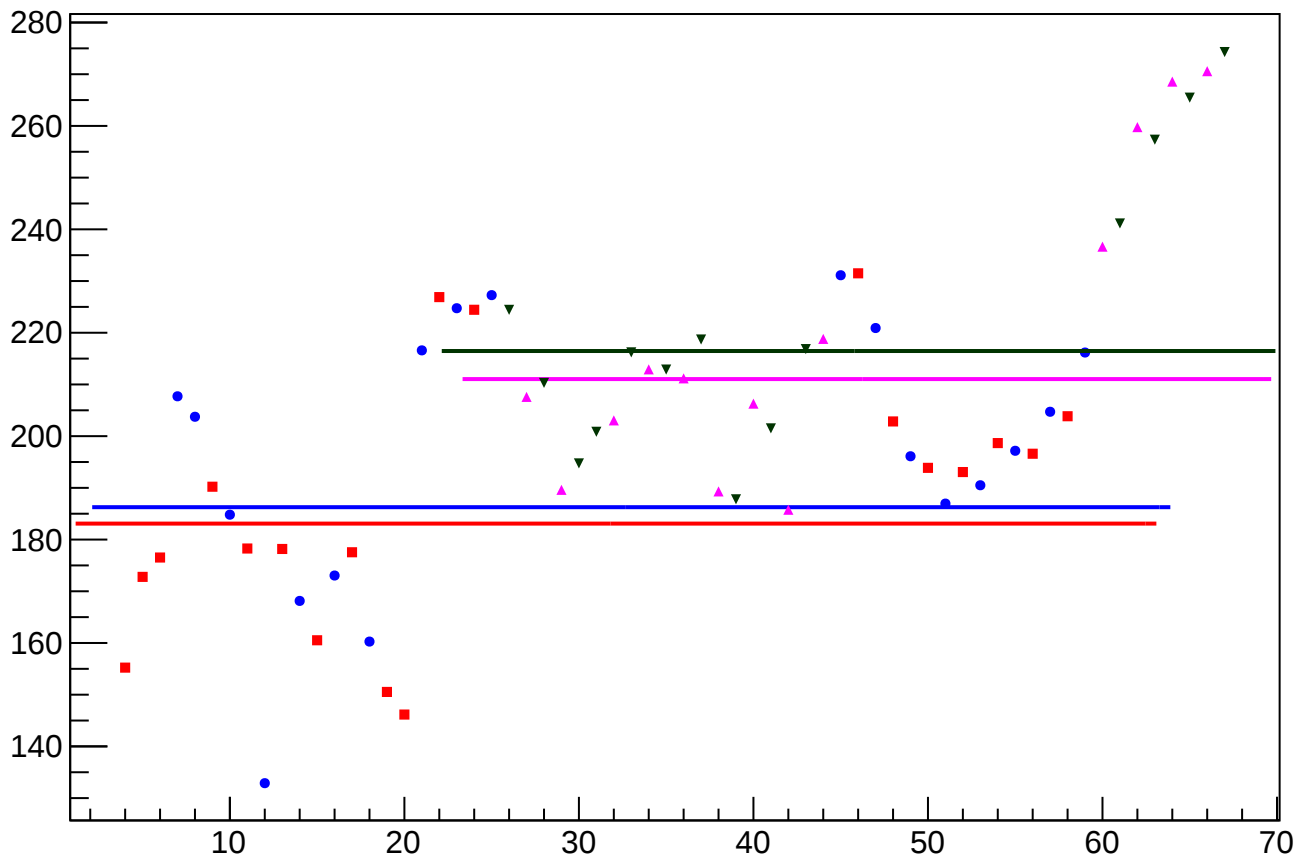
Right Out: 125527.018 $\pm$ 0.060 χ^2 /NDF: 6545248421.9/18

Left In: 124222.042 $\pm$ 0.077 χ^2 /NDF: 2898039531.0/12

124494.290 $\pm$ 0.047 χ^2 /NDF: 9940589284.7/31

125039.959 $\pm$ 0.047 χ^2 /NDF: 9622552573.6/31

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

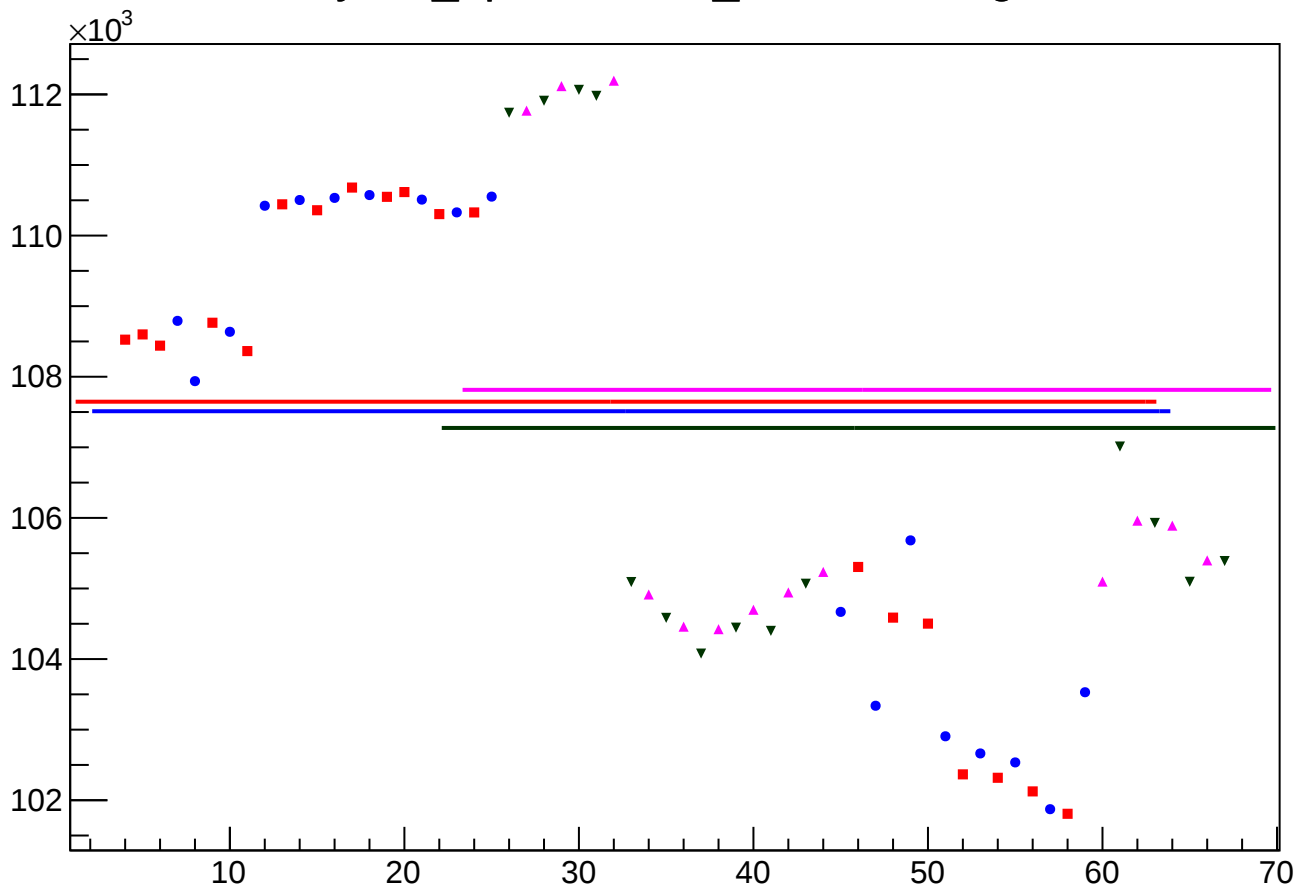
Right Out: 183.088 ± 0.042 χ^2/NDF : 276420.3/18

Left In: 211.039 ± 0.055 χ^2/NDF : 199765.3/12

196.128 ± 0.033 χ^2/NDF : 816511.3/31

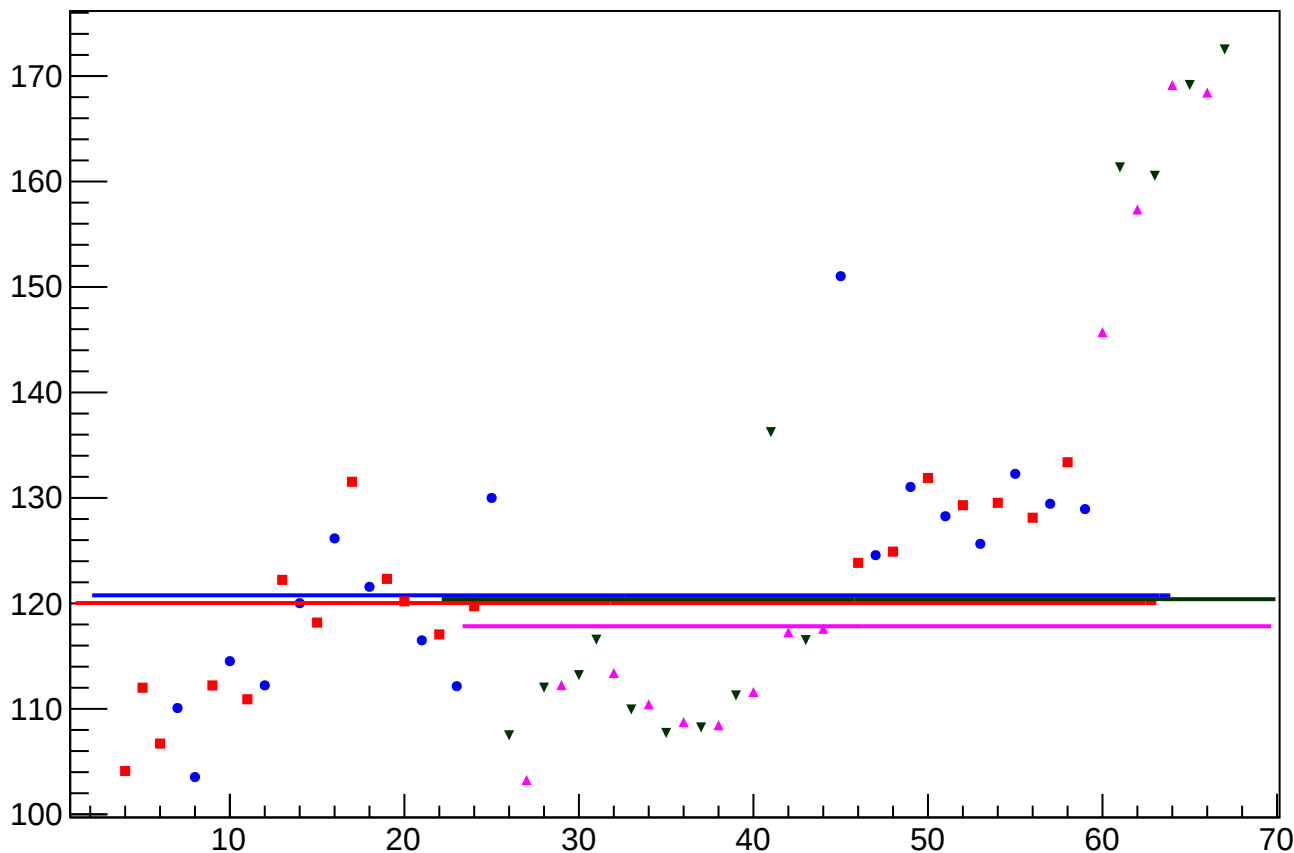
193.520 ± 0.033 χ^2/NDF : 640660.8/31

yield_bpm0l01WS_mean vs slug



Right In: 107511.375 $\pm$ 0.037	χ^2 /NDF: 7545366390.6/17	107419.100 $\pm$ 0.029	χ^2 /NDF: 13090326396.9/3
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	107721.325 $\pm$ 0.029	χ^2 /NDF: 13020534868.8/3
Left In: 107814.386 $\pm$ 0.043	χ^2 /NDF: 6464586517.1/12		

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

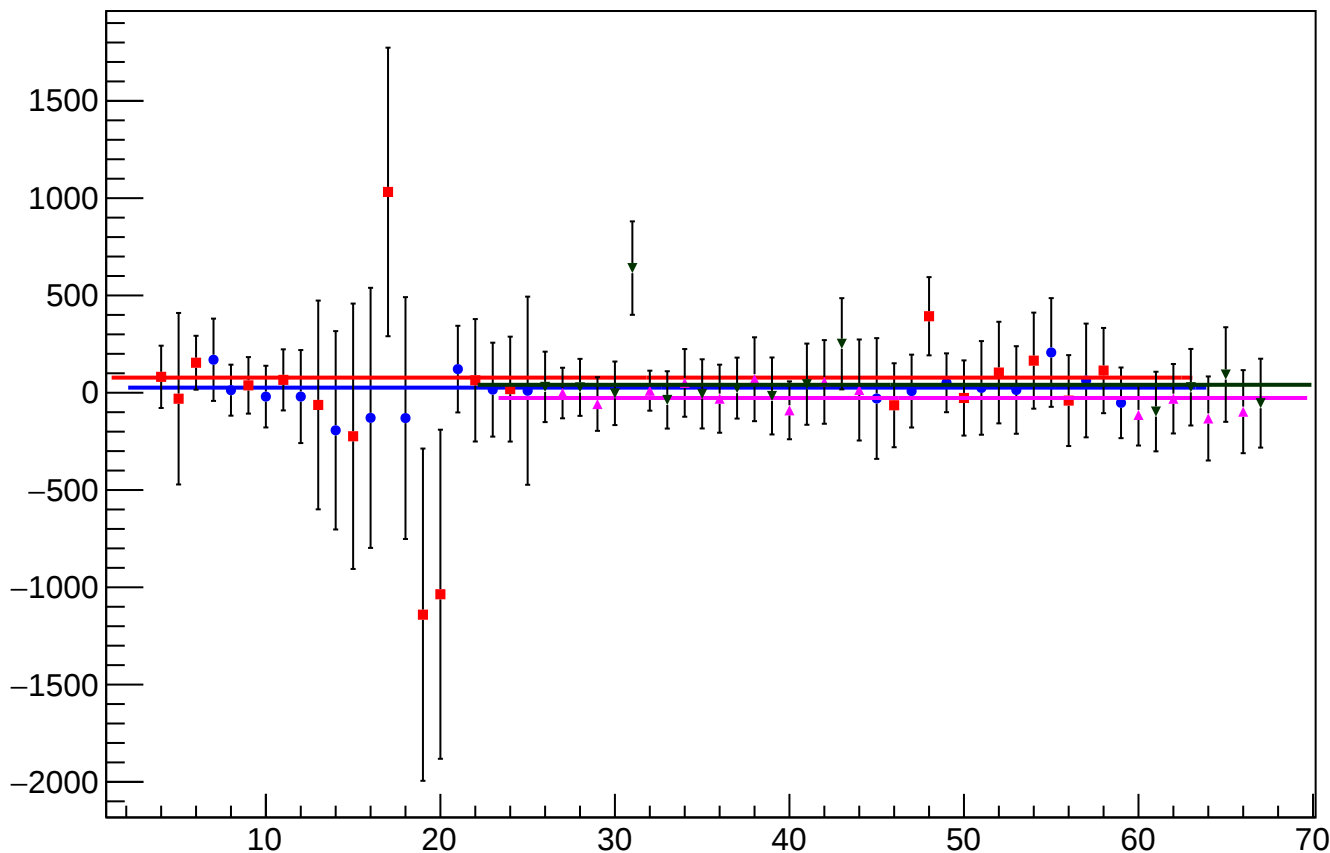
Right Out: 120.035 ± 0.028 χ^2/NDF : 93920.3/18

Left In: 117.834 ± 0.031 χ^2/NDF : 342739.8/12

120.622 ± 0.020 χ^2/NDF : 525704.2/31

119.053 ± 0.020 χ^2/NDF : 439511.0/31

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

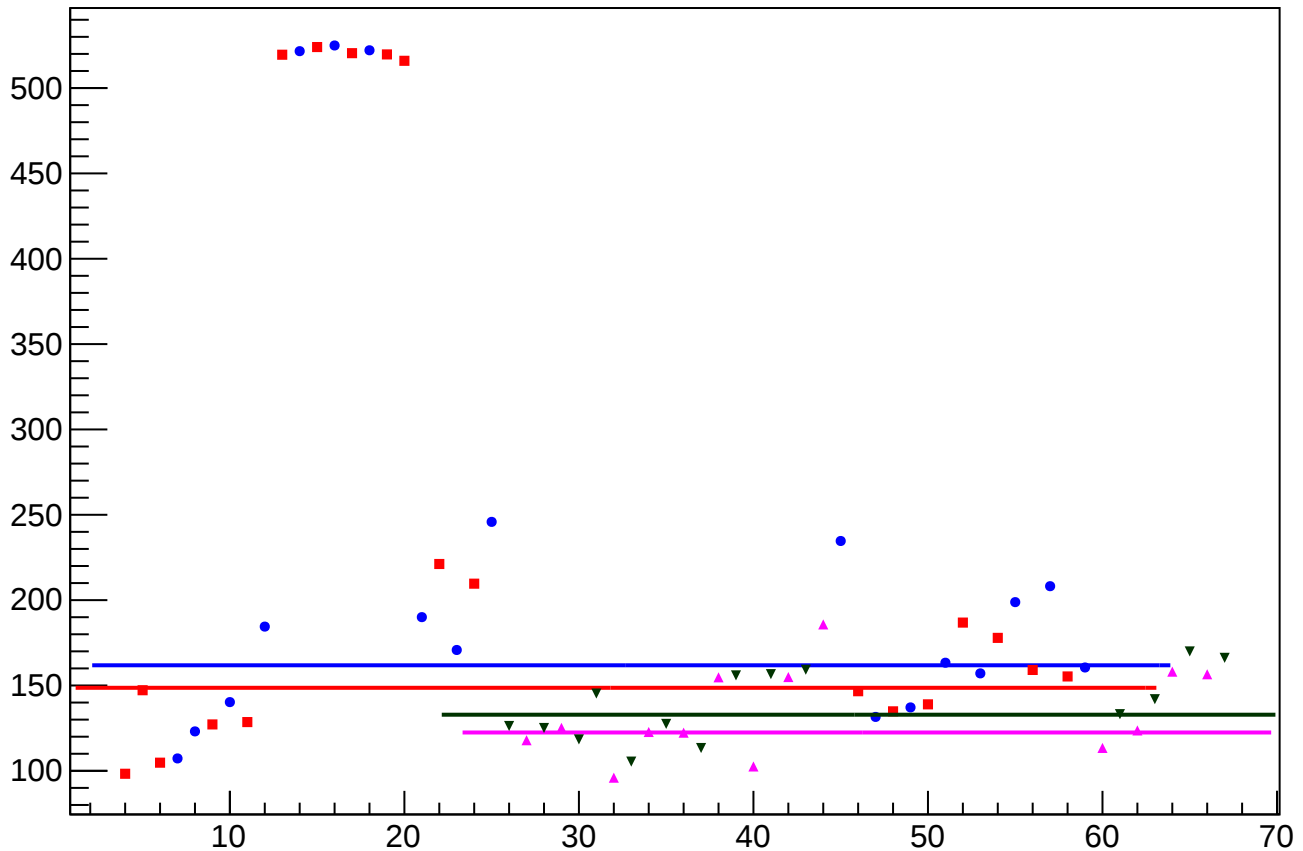
Right Out: 77.703+/-52.586 χ^2/NDF : 9.8/18

Left In: -26.922+/-45.147 χ^2/NDF : 1.6/12

33.904+/-36.140 χ^2/NDF : 10.1/31

17.473+/-34.255 χ^2/NDF : 13.7/31

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

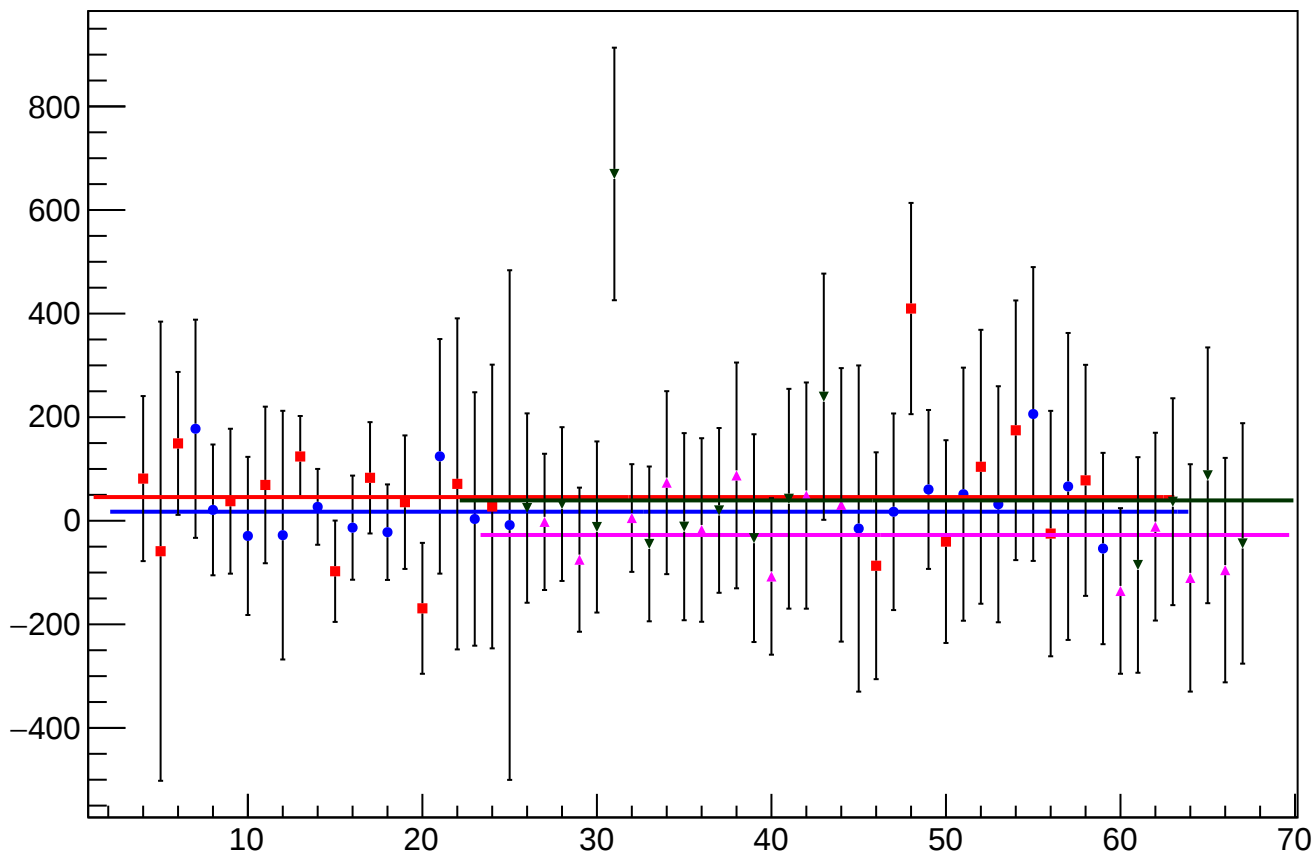
Right Out: 148.646+/-0.037 χ^2/NDF : 3594583.0/18

Left In: 122.461+/-0.032 χ^2/NDF :493489.1/12

146.595+/-0.026 χ^2/NDF : 3642346.7/31

133.572+/-0.024 χ^2/NDF : 4373548.5/31

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

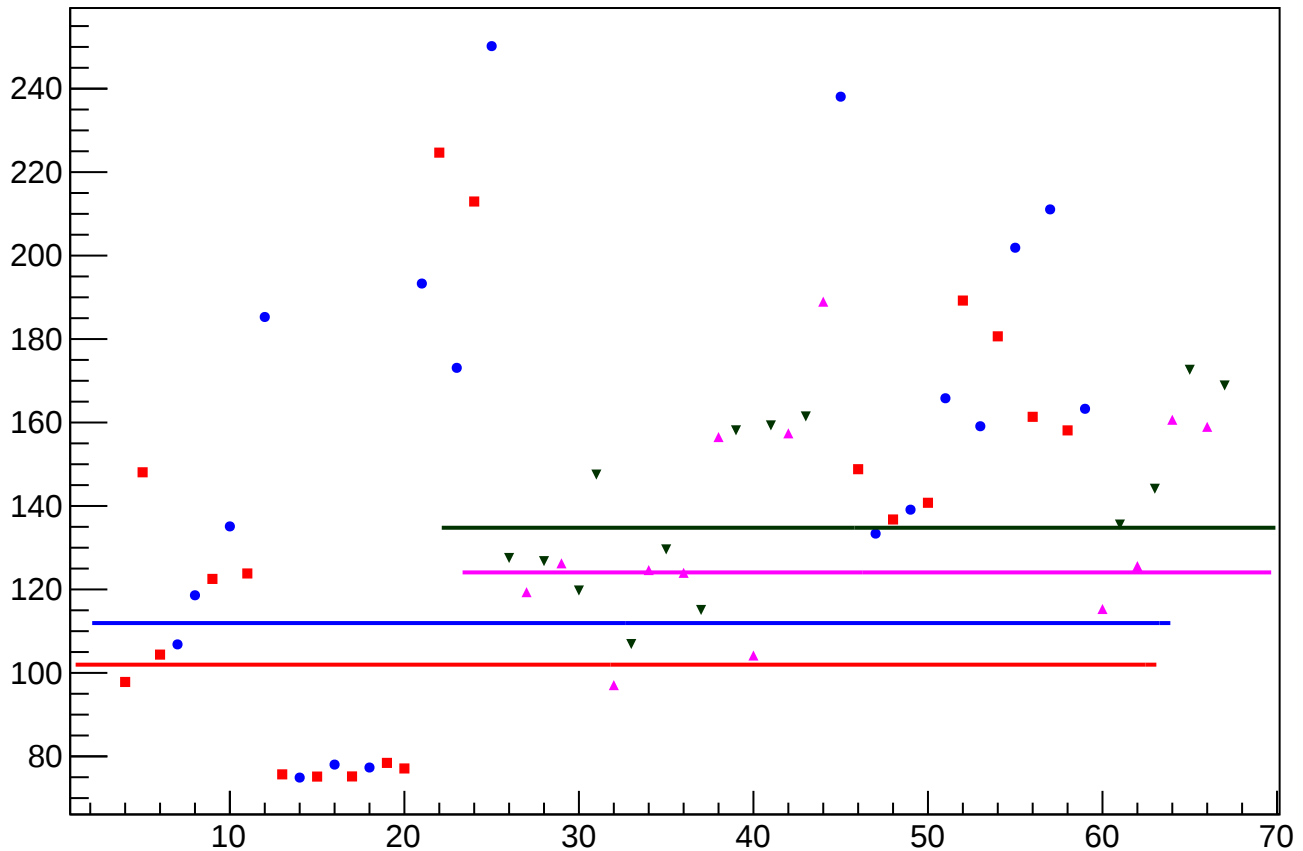
Right Out: 45.735+/-34.677 χ^2/NDF : 11.0/18

Left In: -27.454+/-45.757 χ^2/NDF : 2.0/12

24.892+/-29.490 χ^2/NDF : 10.6/31

19.034+/-27.637 χ^2/NDF : 14.7/31

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

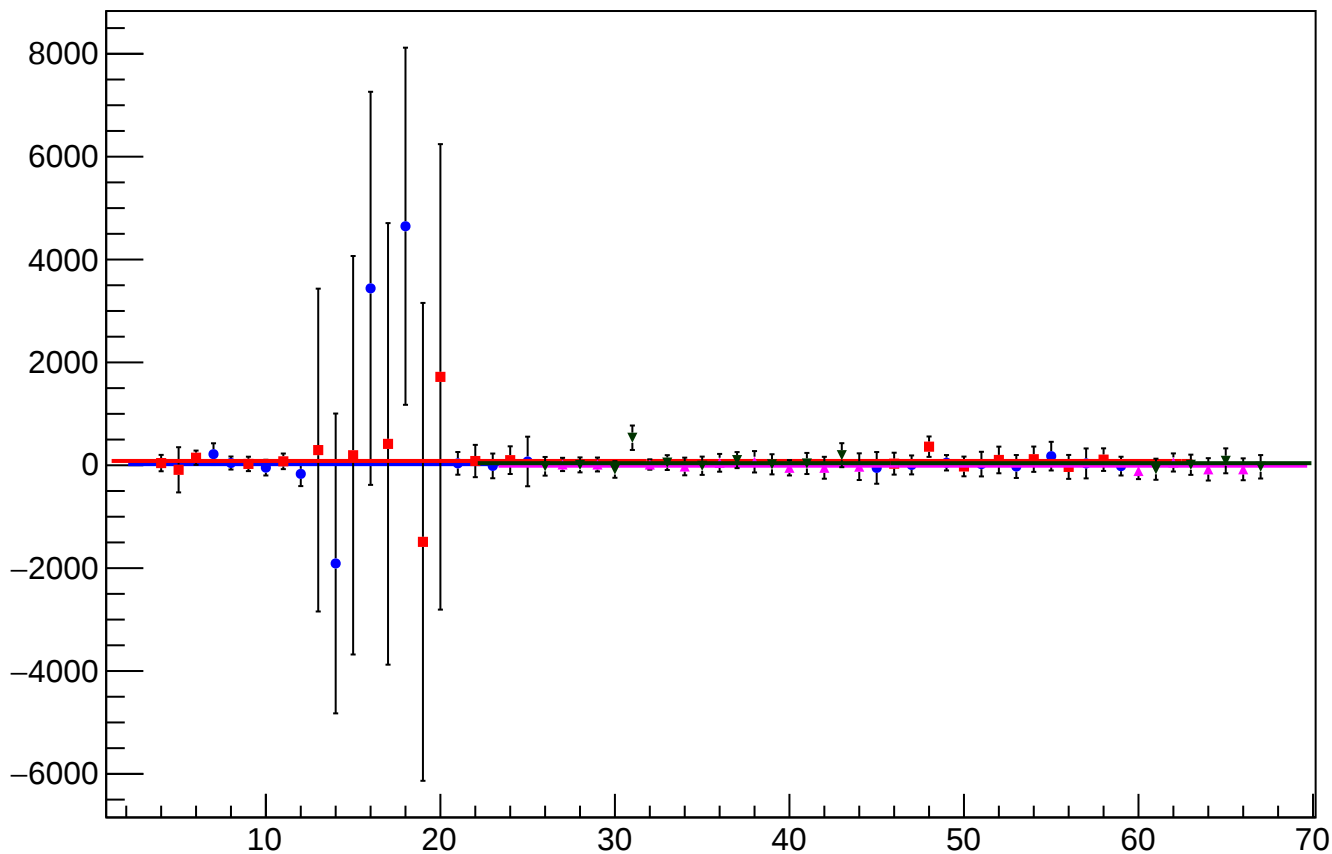
Right Out: 101.974 $\pm$ 0.025 χ^2 /NDF: 2271871.2/18

Left In: 124.079 $\pm$ 0.032 χ^2 /NDF: 497978.8/12

119.720 $\pm$ 0.021 χ^2 /NDF: 3548589.0/31

110.038 $\pm$ 0.020 χ^2 /NDF: 3066360.1/31

asym_bcm_an_us_mean vs slug



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

Left Out: 40.897+/-49.454 χ^2/NDF : 6.2/13

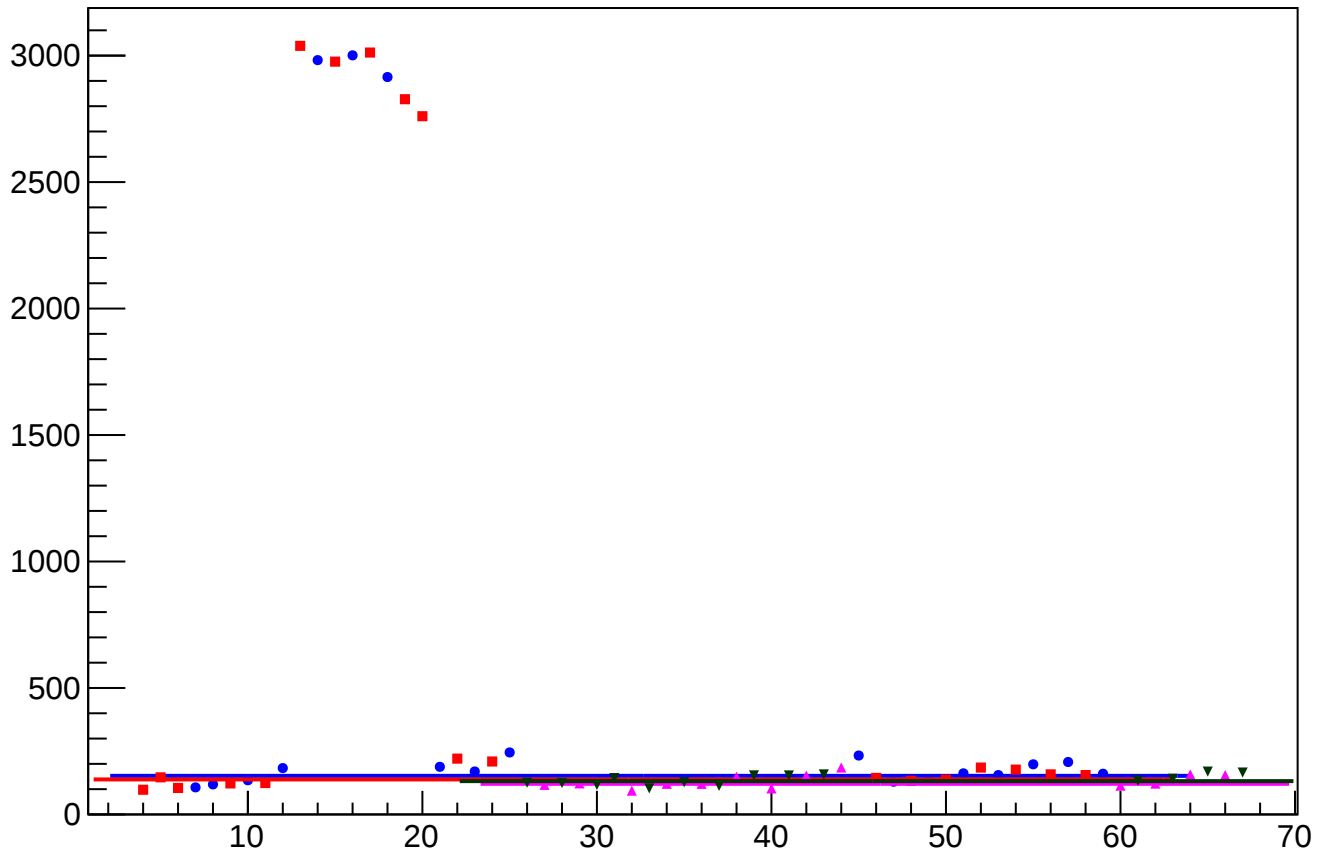
Right Out: 84.092+/-52.636 χ^2/NDF : 3.5/18

Left In: -8.200+/-44.667 χ^2/NDF : 1.2/12

31.881+/-35.954 χ^2/NDF : 11.6/31

30.438+/-34.057 χ^2/NDF : 6.5/31

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

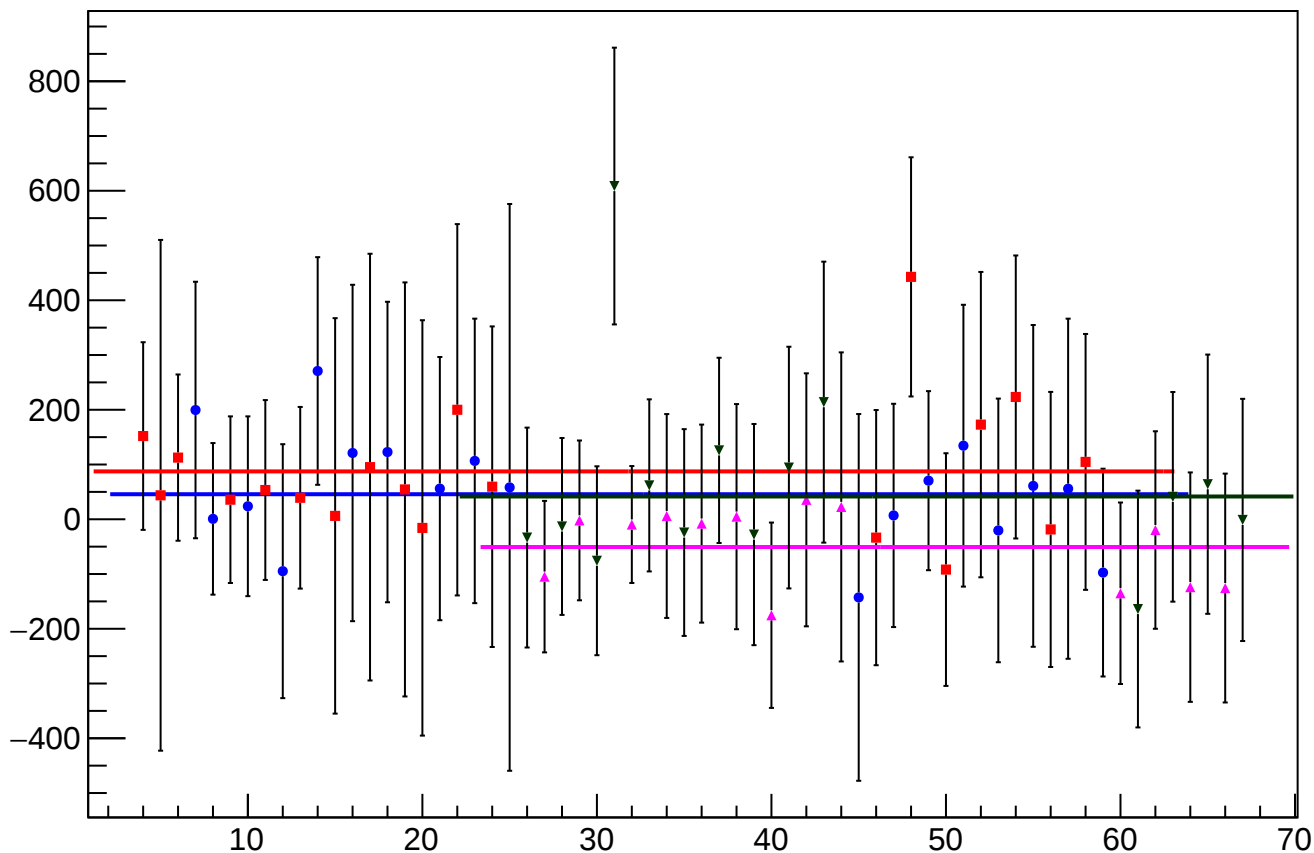
141.600+/-0.025 χ^2/NDF : 5499743.4/31

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

128.361+/-0.024 χ^2/NDF : 6362694.2/31

Left In: 121.092+/-0.032 χ^2/NDF : 501592.9/12

asym_bcm_dg_us_mean vs slug



Right In: 45.739+/-52.604 χ^2/NDF : 3.4/17

Left Out: 41.607+/-52.487 χ^2/NDF : 7.7/13

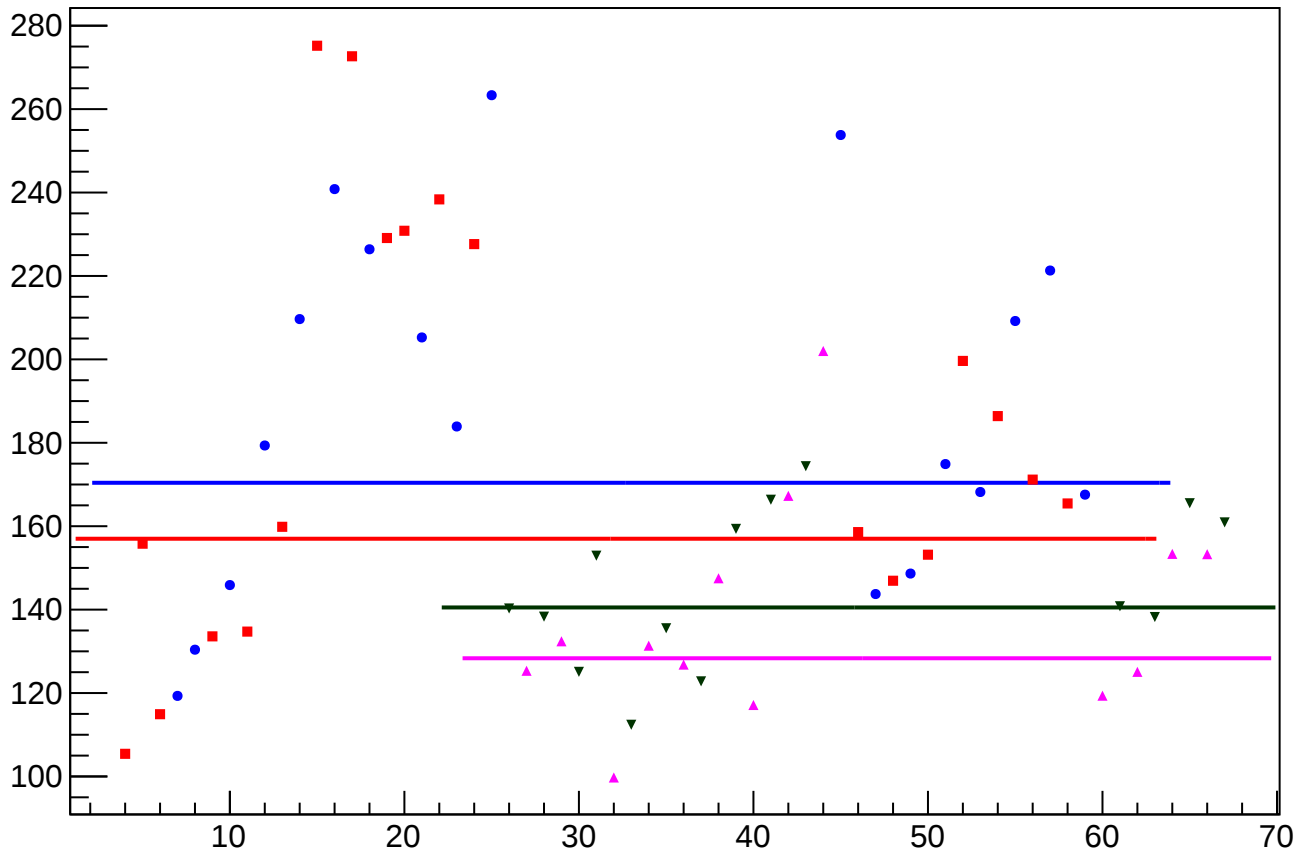
Right Out: 87.434+/-51.940 χ^2/NDF : 4.9/18

Left In: -50.699+/-47.195 χ^2/NDF : 1.9/12

43.668+/-37.155 χ^2/NDF : 11.1/31

11.771+/-34.930 χ^2/NDF : 10.6/31

asym_bcm_dg_us_rms vs slug



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

Left Out: 140.521 $\pm$ 0.037 χ^2 /NDF:227793.7/13

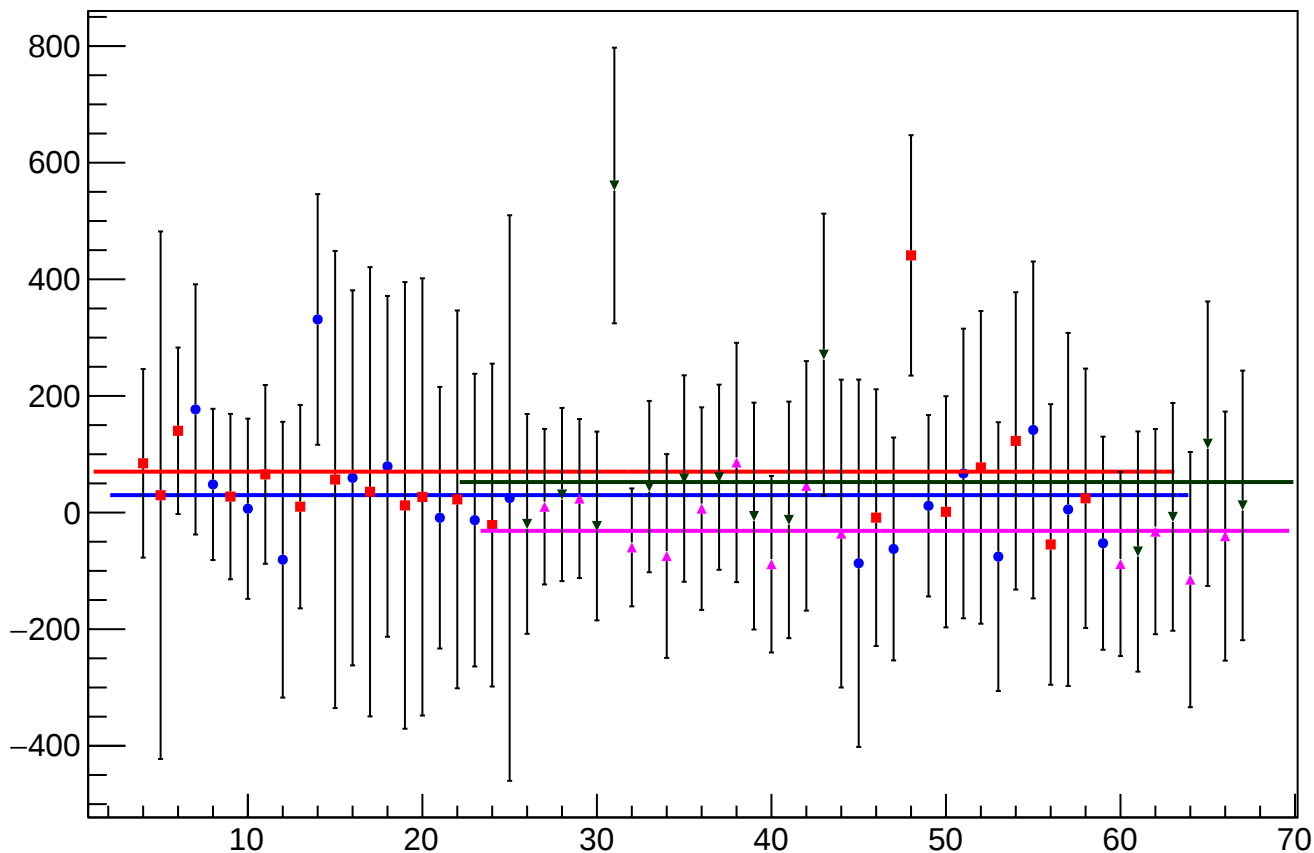
155.433 $\pm$ 0.026 χ^2 /NDF: 1516078.2/31

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

141.299 $\pm$ 0.025 χ^2 /NDF: 2039176.5/31

Left In: 128.339 $\pm$ 0.033 χ^2 /NDF:429222.0/12

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

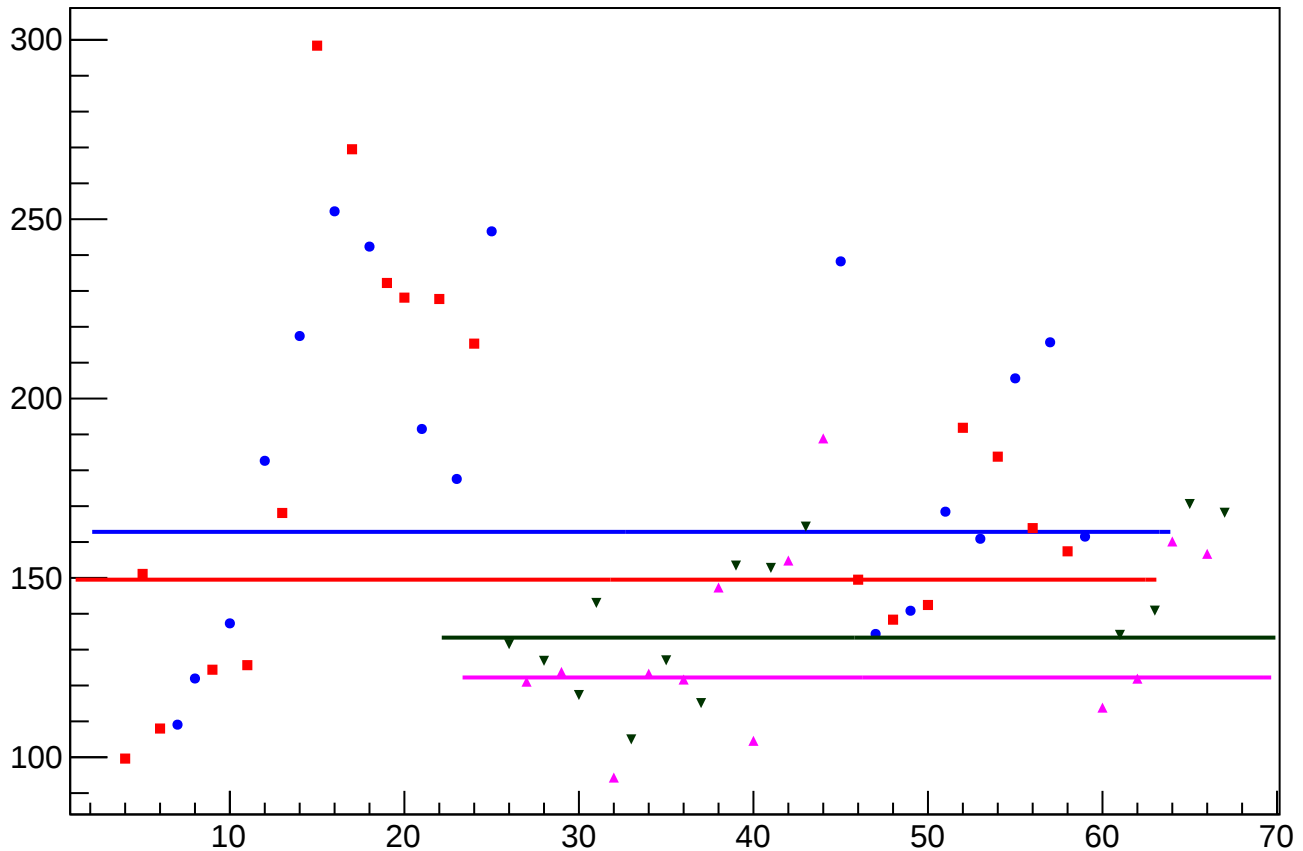
Right Out: 70.155 ± 49.782 χ^2/NDF : 4.5/18

Left In: -31.317 ± 45.059 χ^2/NDF : 1.3/12

41.260 ± 35.548 χ^2/NDF : 10.4/31

14.379 ± 33.407 χ^2/NDF : 8.1/31

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

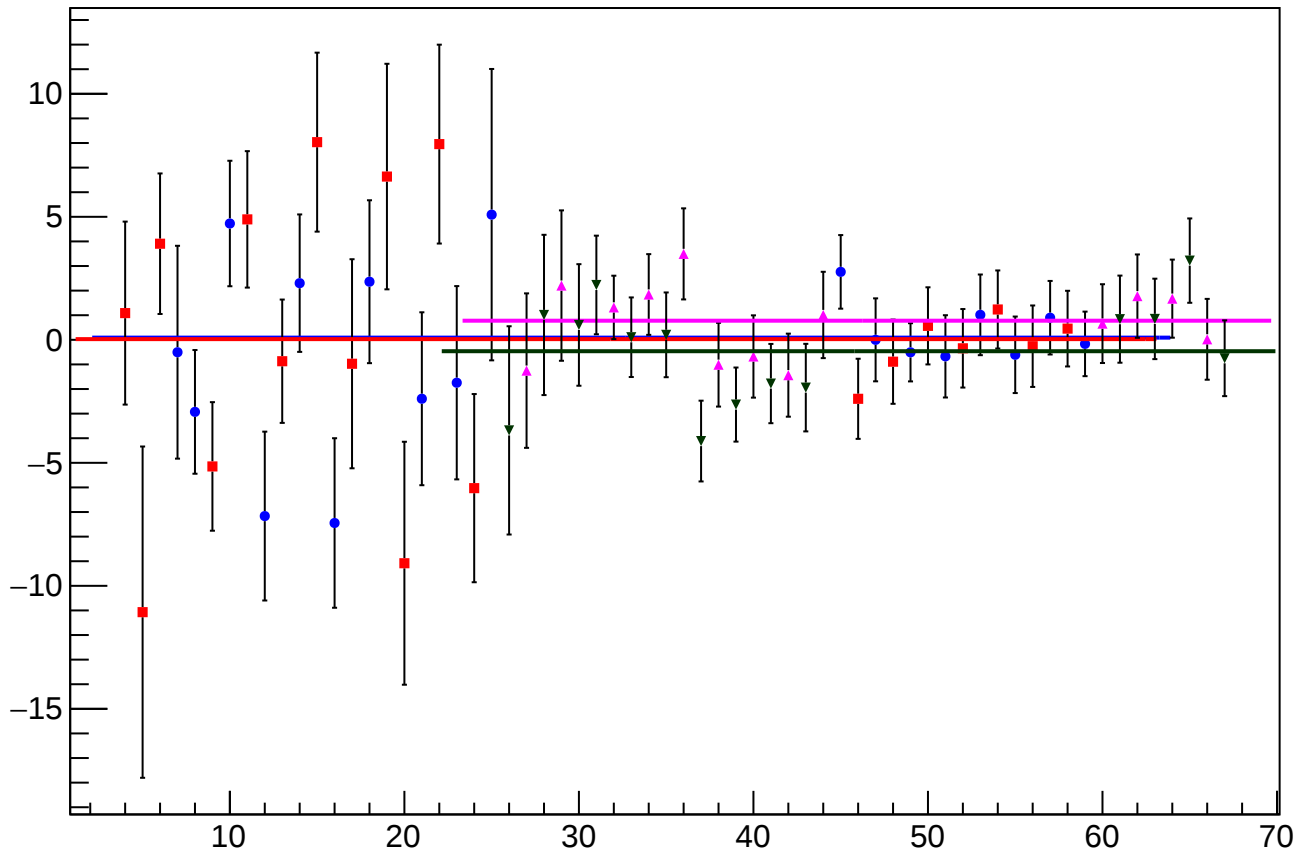
147.906 ± 0.025 χ^2/NDF : 1870882.1/31

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

134.516 ± 0.024 χ^2/NDF : 2322333.7/31

Left In: 122.236 ± 0.032 χ^2/NDF : 501719.9/12

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

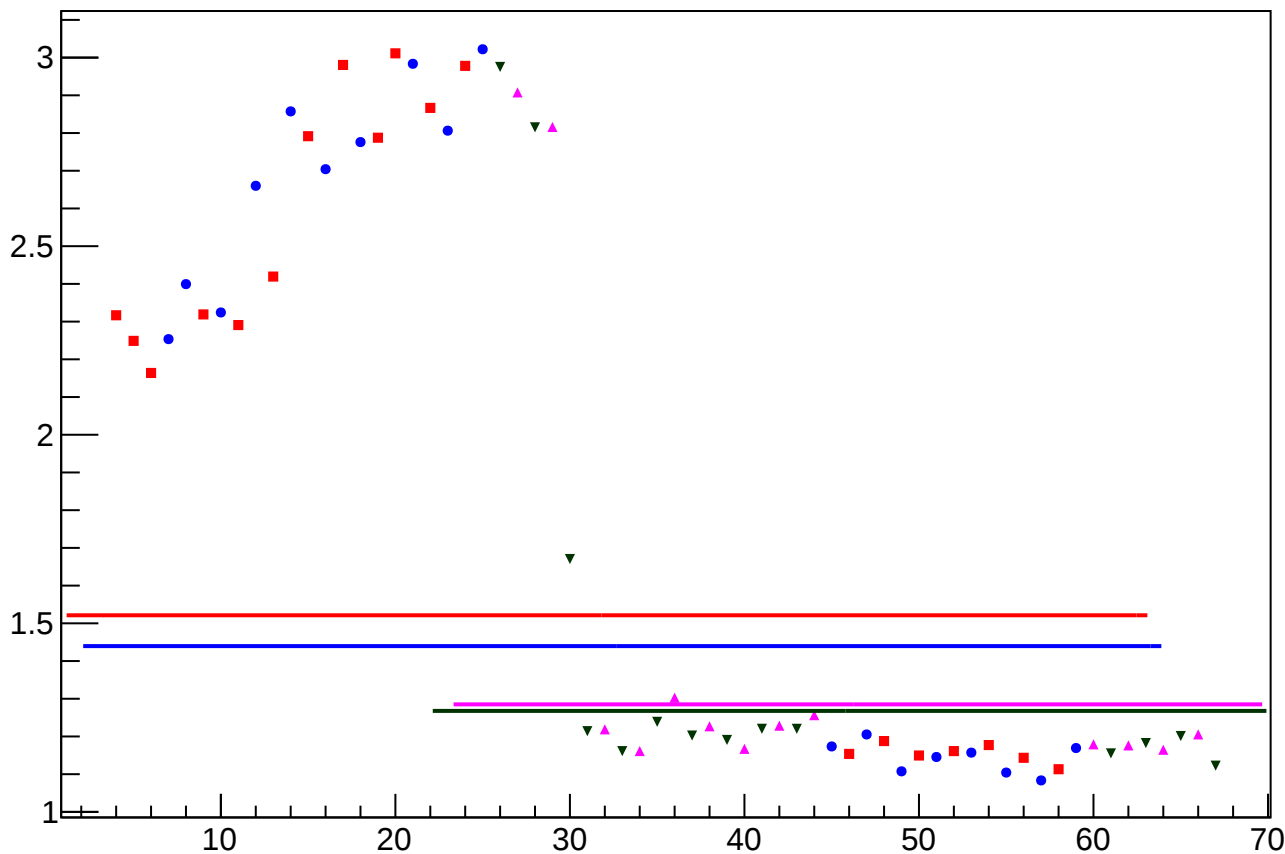
Right Out: 0.028+/-0.520 χ^2/NDF : 31.9/18

Left In: 0.777+/-0.479 χ^2/NDF : 7.9/12

-0.176+/-0.336 χ^2/NDF : 39.0/31

0.433+/-0.352 χ^2/NDF : 40.9/31

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

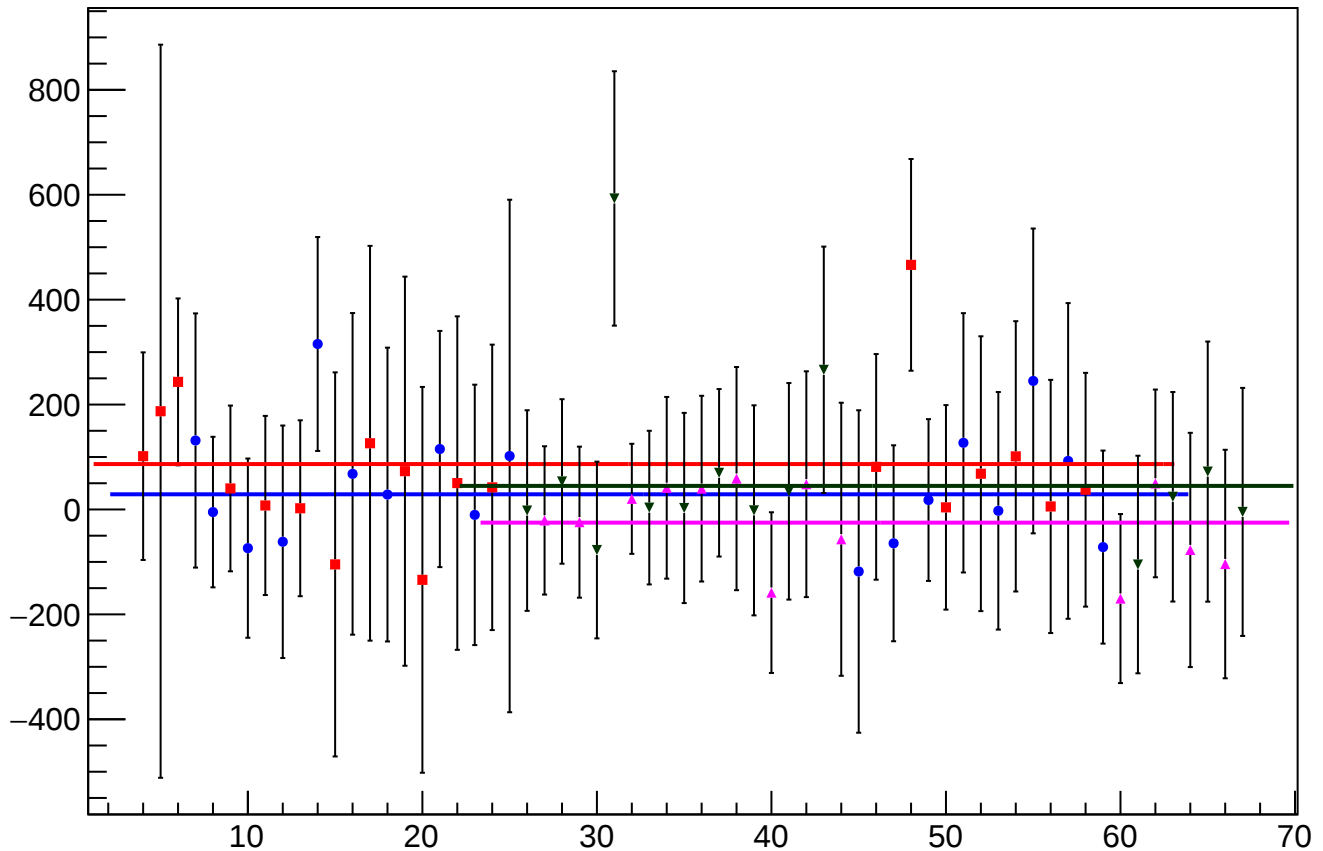
Right Out: 1.521+/-0.000 χ^2/NDF : 2870549.2/18

Left In: 1.285+/-0.000 χ^2/NDF : 1101079.0/12

1.357+/-0.000 χ^2/NDF : 4426432.5/31

1.394+/-0.000 χ^2/NDF : 4195084.7/31

asym_cav4cQ_mean vs slug



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

Left Out: 44.936 ± 50.934 χ^2/NDF : 7.4/13

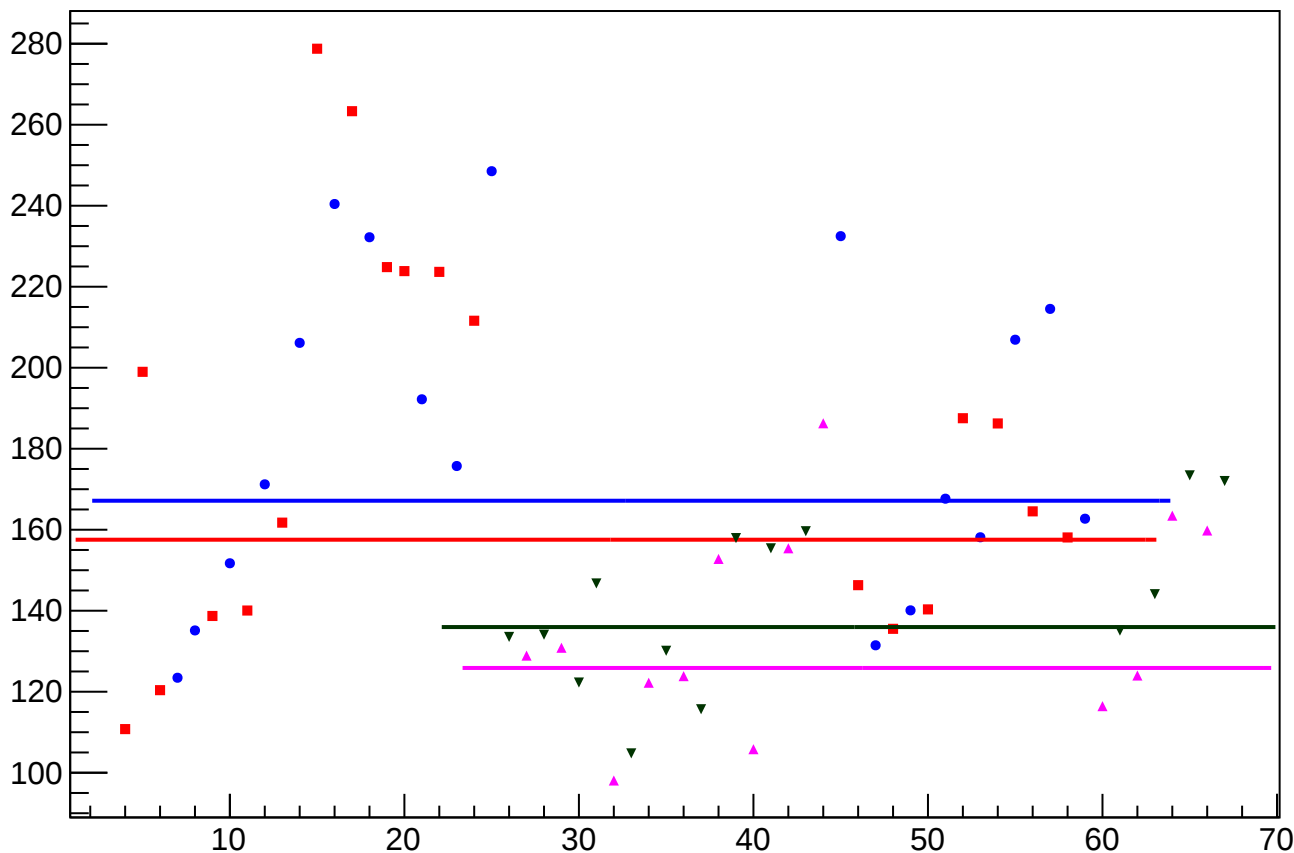
Right Out: 86.558 ± 52.059 χ^2/NDF : 6.1/18

Left In: -25.116 ± 46.311 χ^2/NDF : 2.7/12

37.018 ± 36.207 χ^2/NDF : 11.9/31

24.218 ± 34.601 χ^2/NDF : 11.4/31

asym_cav4cQ_rms vs slug



Right In: 167.159 $\pm$ 0.036 χ^2 /NDF: 875808.6/17

Left Out: 135.967 $\pm$ 0.036 χ^2 /NDF:300434.7/13

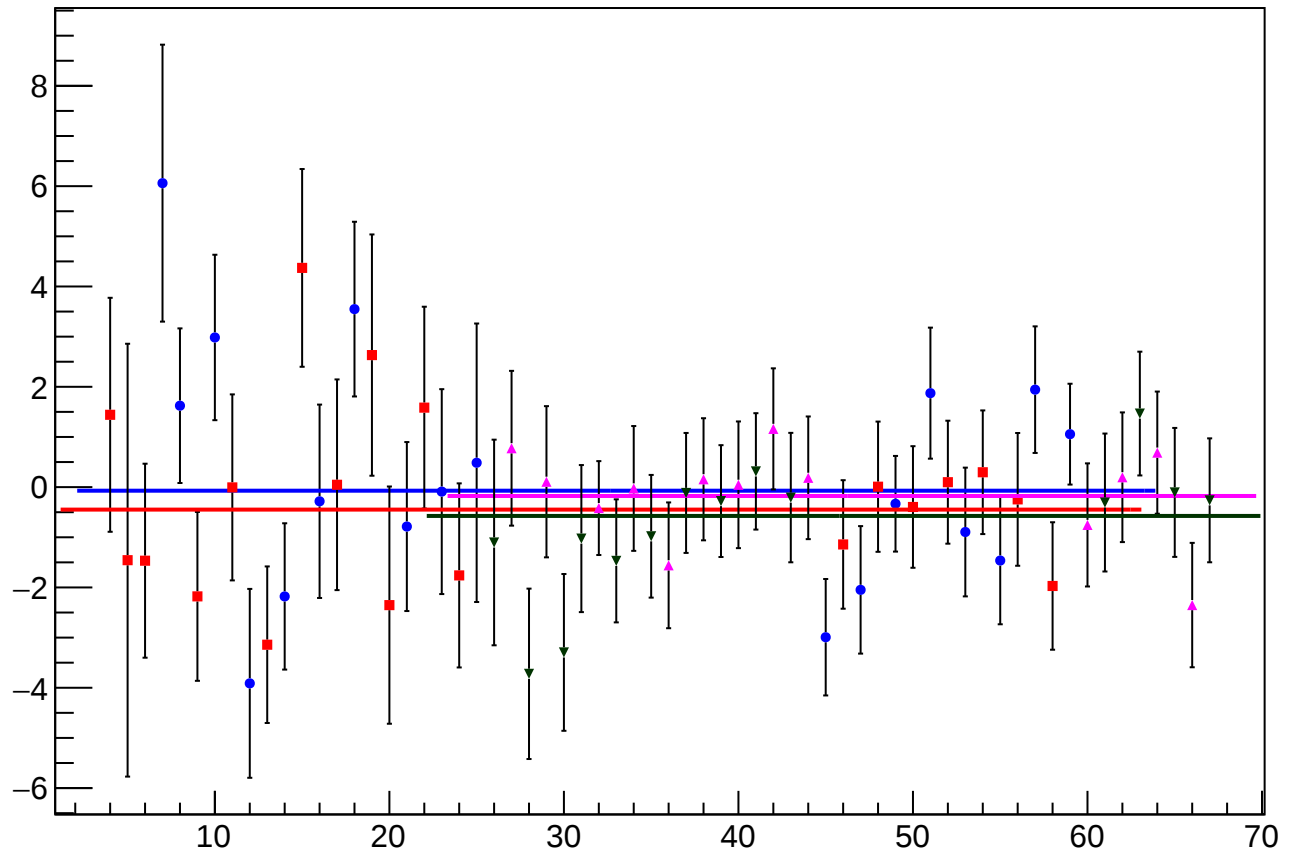
Right Out: 157.534 $\pm$ 0.037 χ^2 /NDF: 1049684.2/18

Left In: 125.869 $\pm$ 0.033 χ^2 /NDF:468850.1/12

151.397 $\pm$ 0.026 χ^2 /NDF: 1547286.8/31

139.858 $\pm$ 0.024 χ^2 /NDF: 1931614.0/31

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

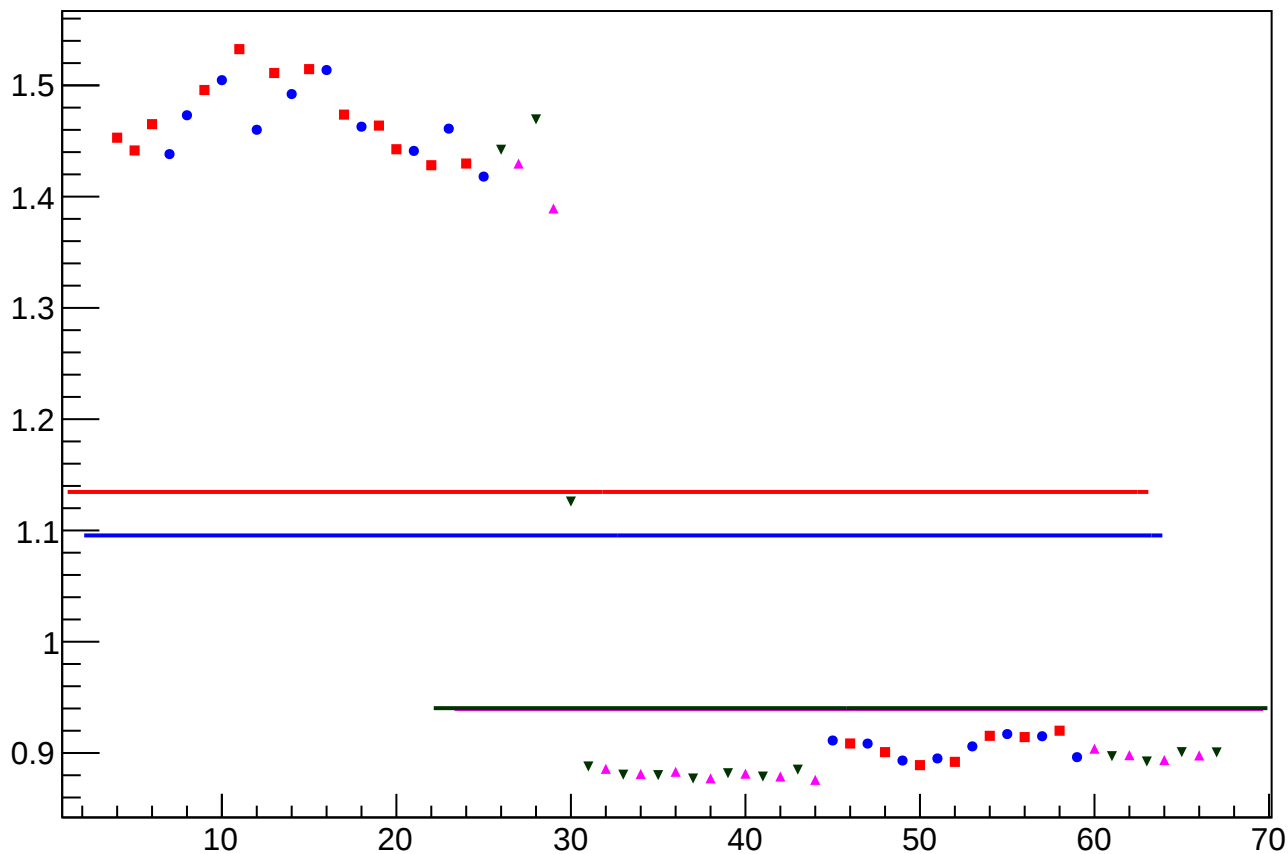
Right Out: -0.448 ± 0.369 χ^2/NDF : 17.4/18

Left In: -0.176 ± 0.342 χ^2/NDF : 7.0/12

-0.311 ± 0.243 χ^2/NDF : 49.0/31

-0.302 ± 0.251 χ^2/NDF : 24.7/31

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

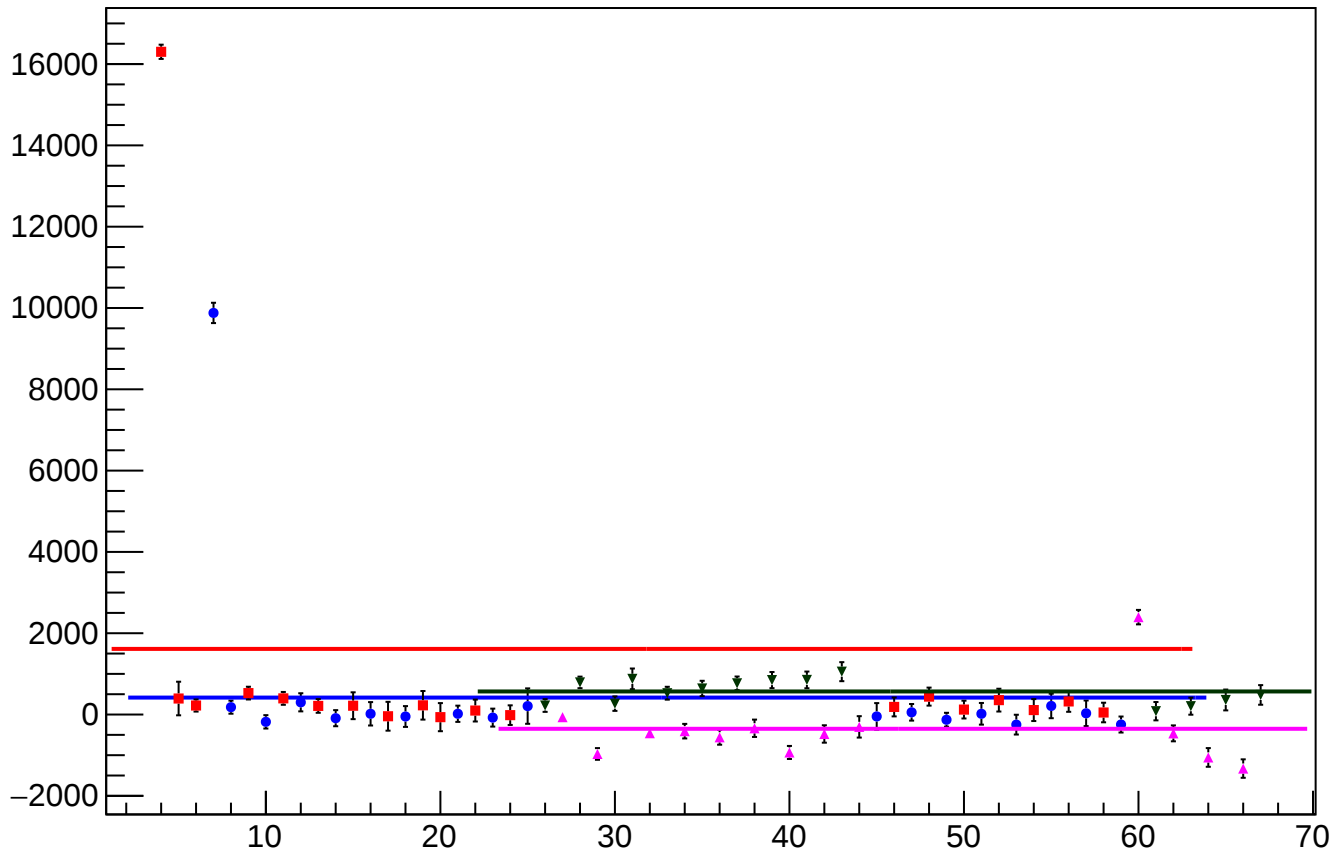
Right Out: 1.135+/-0.000 χ^2/NDF : 1161881.6/18

Left In: 0.940+/-0.000 χ^2/NDF : 423807.3/12

1.022+/-0.000 χ^2/NDF : 1876479.2/31

1.030+/-0.000 χ^2/NDF : 1885956.4/31

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

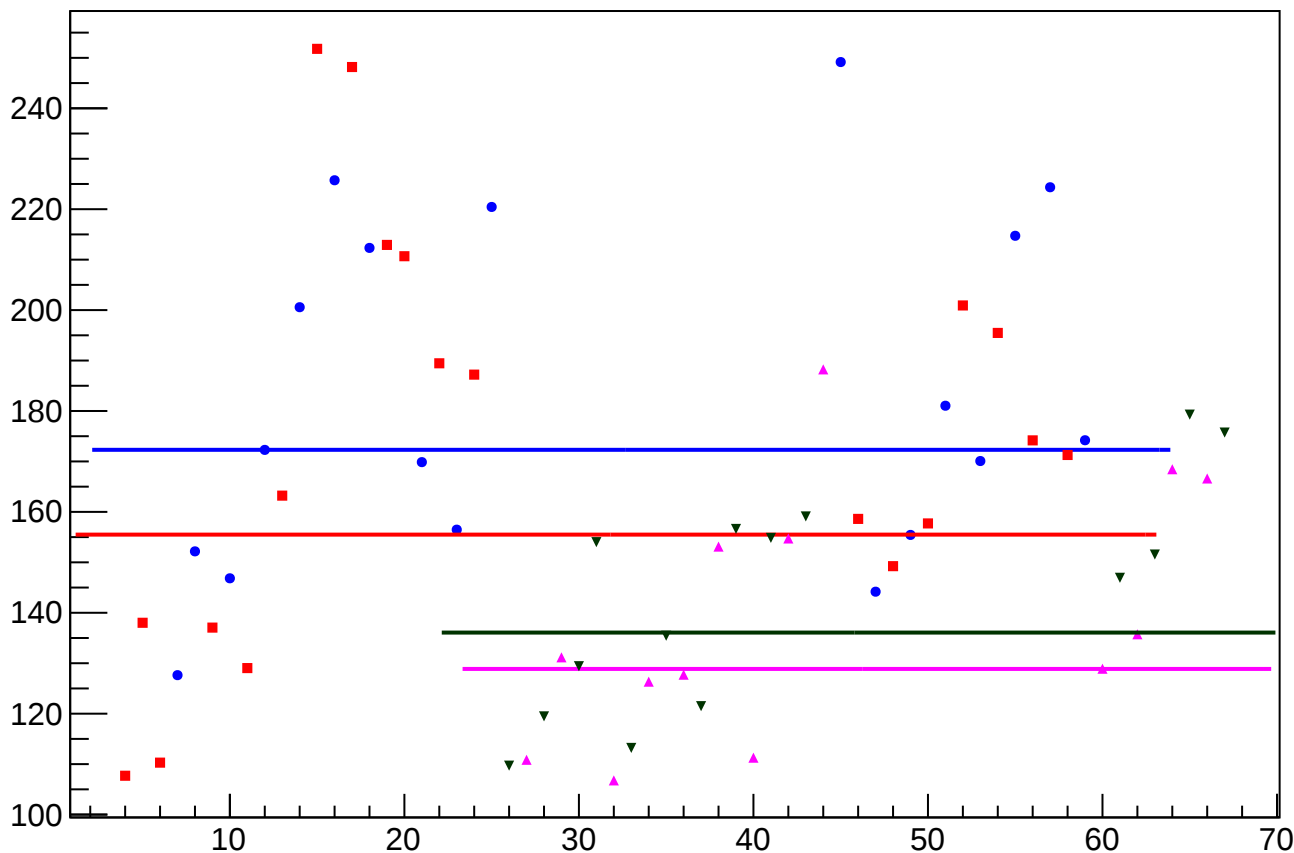
494.728+/-36.655 χ^2/NDF : 1542.1/31

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

554.538+/-34.707 χ^2/NDF : 8768.0/31

Left In: -350.685+/-47.258 χ^2/NDF : 306.2/12

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

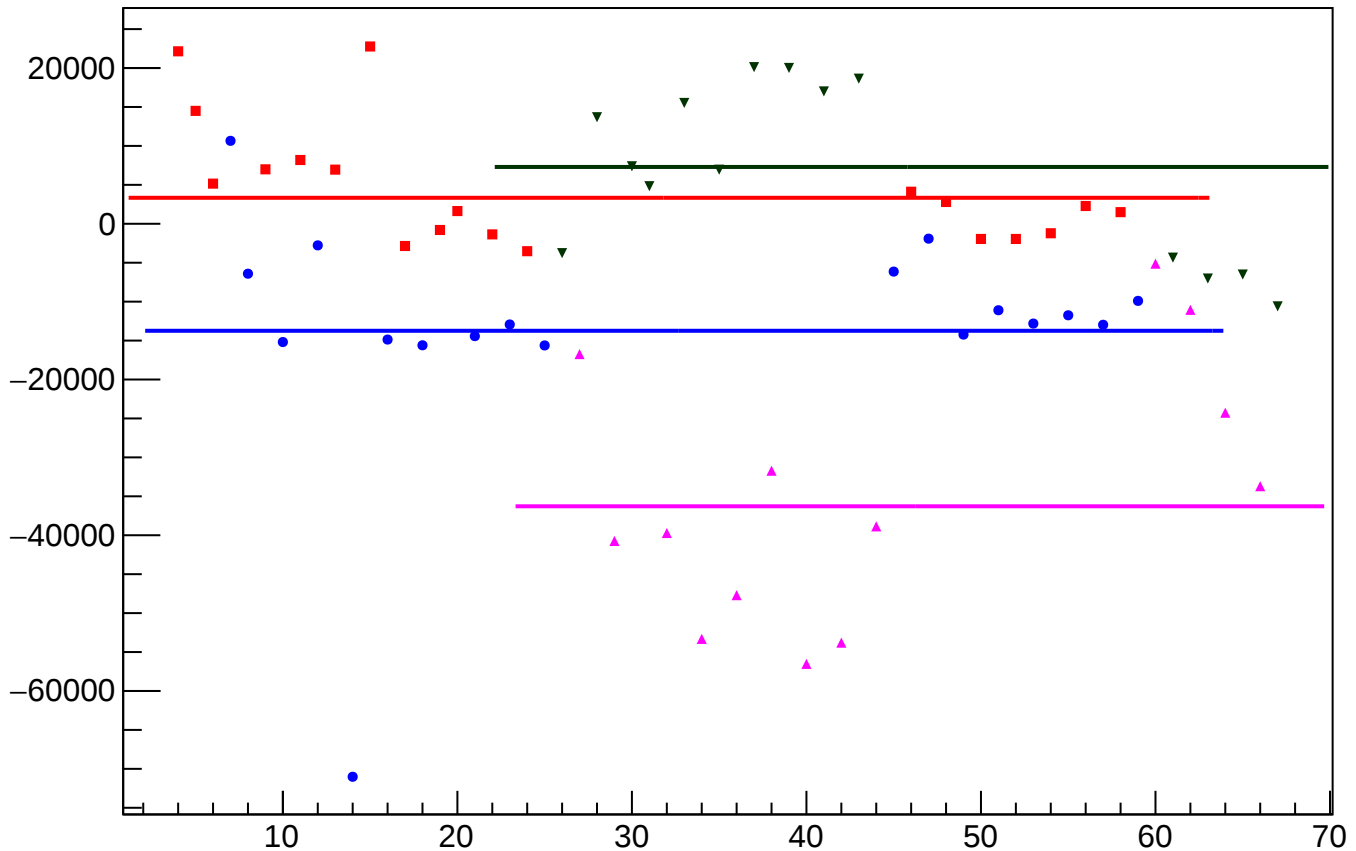
Right Out: 155.494 ± 0.036 χ^2/NDF : 1018742.9/18

Left In: 128.870 ± 0.033 χ^2/NDF : 418219.8/12

153.646 ± 0.026 χ^2/NDF : 1426534.1/31

141.134 ± 0.025 χ^2/NDF : 1729356.5/31

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

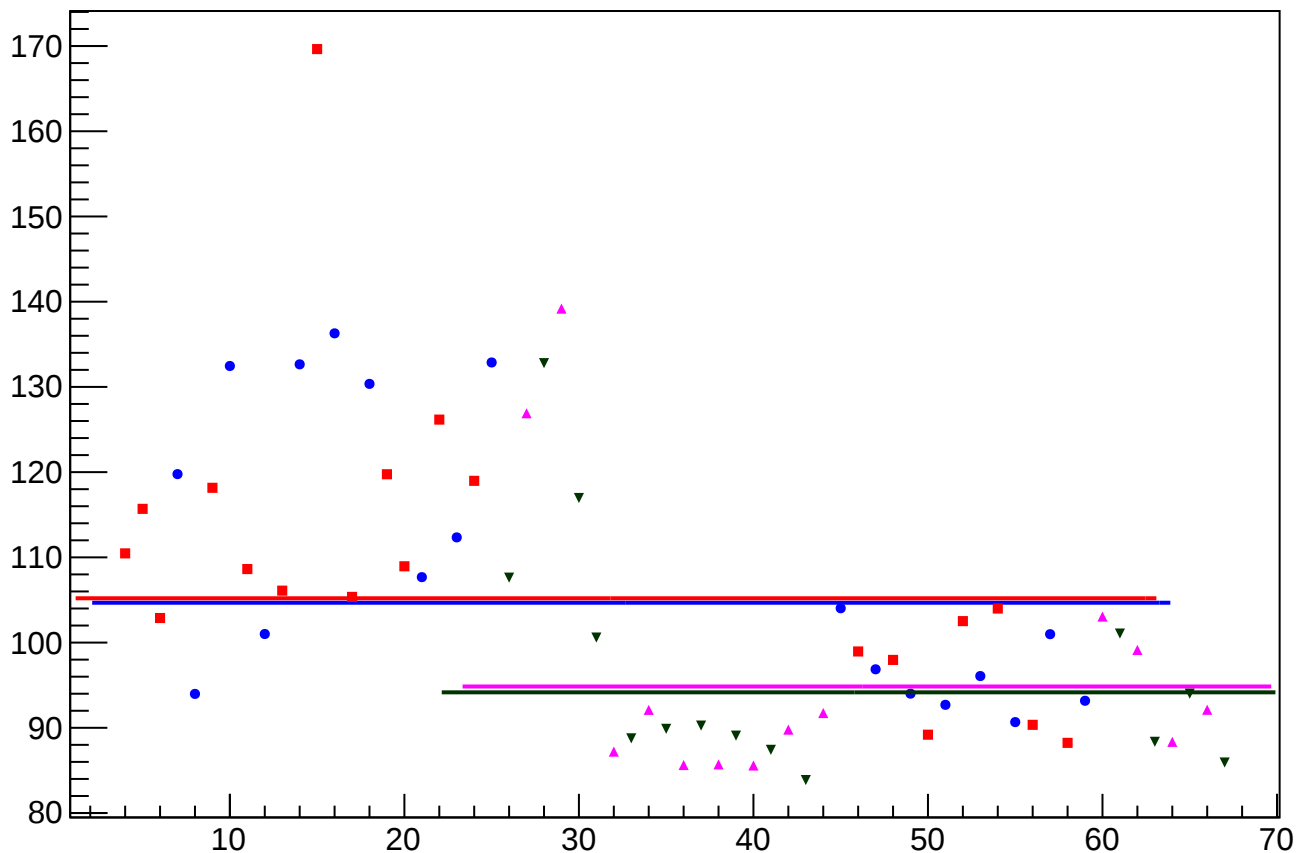
-4334.060+/-23.833 χ^2/NDF : 515956.2/31

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

-15943.706+/-24.544 χ^2/NDF : 862871.1/31

Left In: -36281.145+/-35.182 χ^2/NDF : 180527.4/12

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

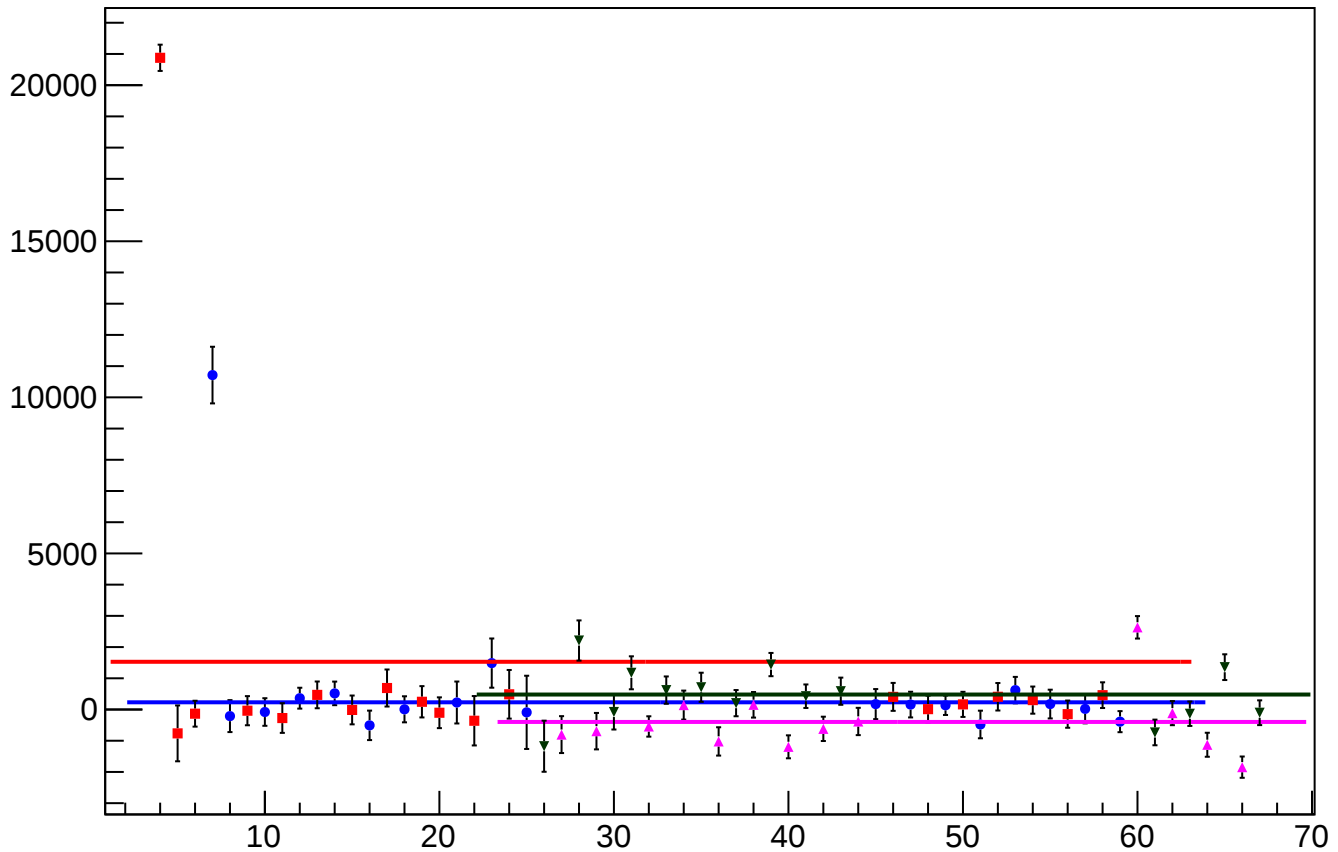
Right Out: 105.200 $\pm$ 0.024 χ^2 /NDF: 336723.5/18

Left In: 94.848 $\pm$ 0.025 χ^2 /NDF: 329431.2/12

99.976 $\pm$ 0.017 χ^2 /NDF: 748247.5/31

100.162 $\pm$ 0.017 χ^2 /NDF: 755044.7/31

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

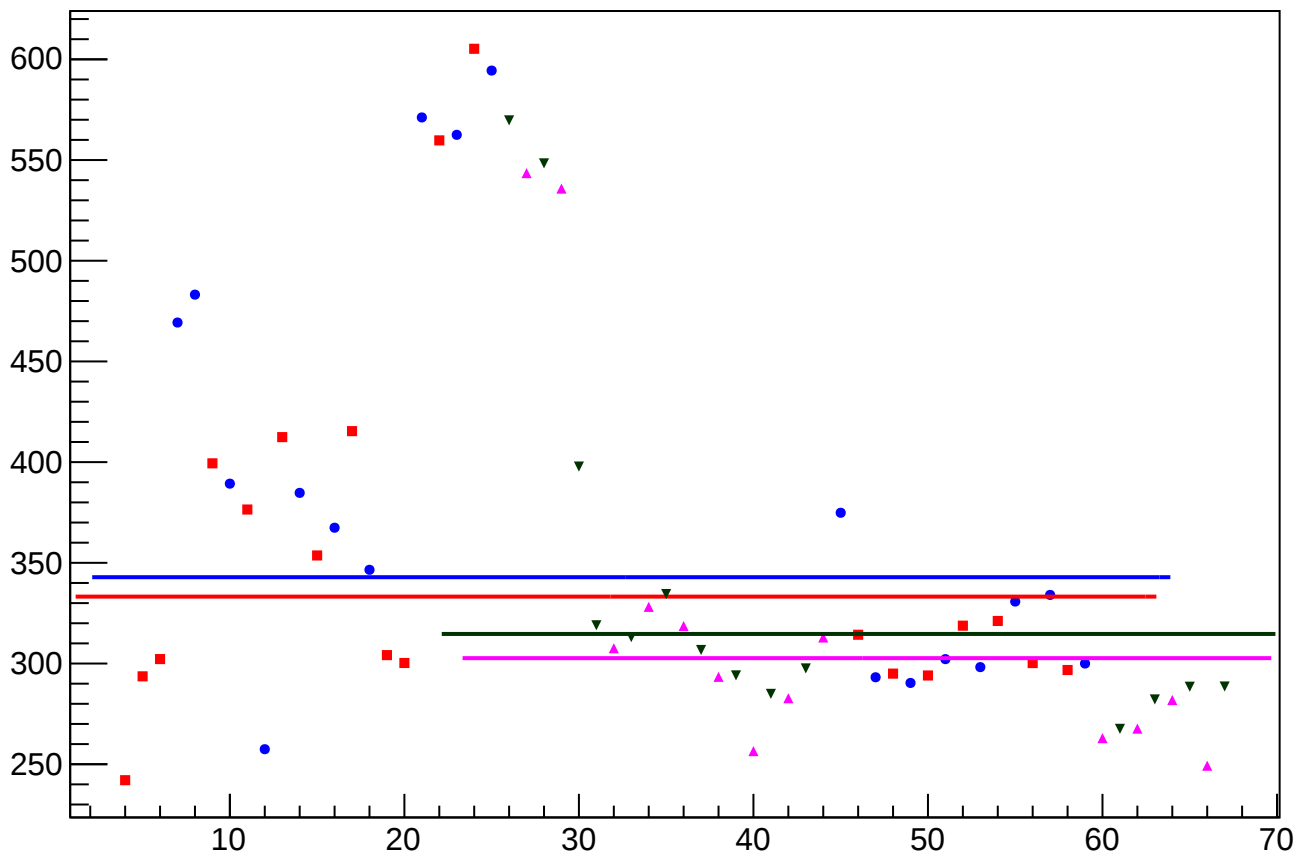
Right Out: 1529.045+/-108.949 χ^2/NDF : 2274.0/18

Left In: -398.191+/-112.029 χ^2/NDF : 104.1/12

340.033+/-78.882 χ^2/NDF : 189.9/31

592.286+/-78.105 χ^2/NDF : 2530.2/31

asym_bpm0i07WS_rms vs slug



Right In: 342.865 ± 0.074 $\chi^2/\text{NDF}: 1018623.1/17$

Left Out: 314.689 ± 0.084 $\chi^2/\text{NDF}: 584304.3/13$

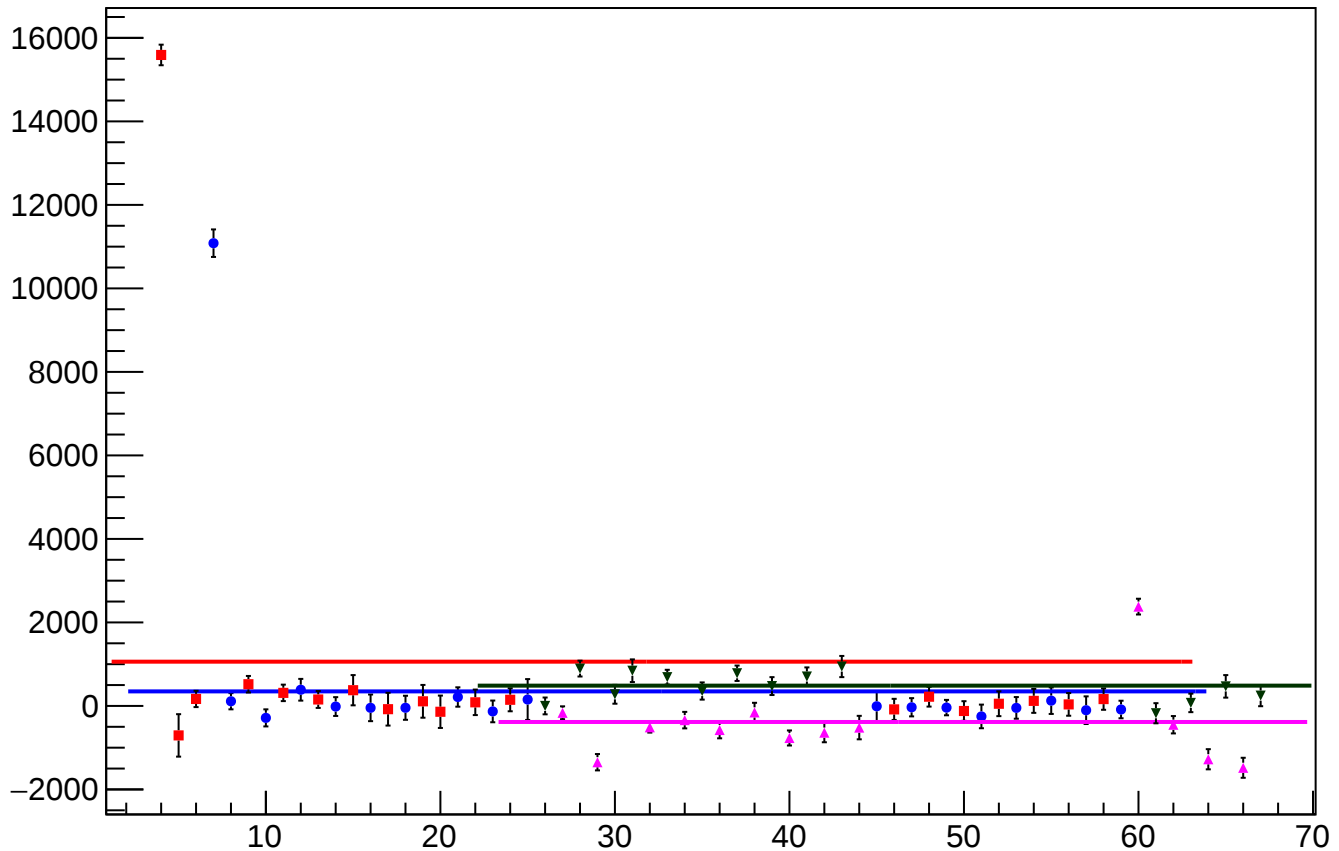
Right Out: 333.230 ± 0.077 $\chi^2/\text{NDF}: 768934.3/18$

Left In: 302.673 ± 0.079 $\chi^2/\text{NDF}: 794521.9/12$

330.520 ± 0.056 $\chi^2/\text{NDF}: 1665742.7/31$

318.378 ± 0.055 $\chi^2/\text{NDF}: 1639926.8/31$

asym_bpm0l01WS_mean vs slug



Right In: 348.196 ± 59.644 χ^2/NDF : 1103.2/17

Left Out: 485.983 ± 58.120 χ^2/NDF : 33.5/13

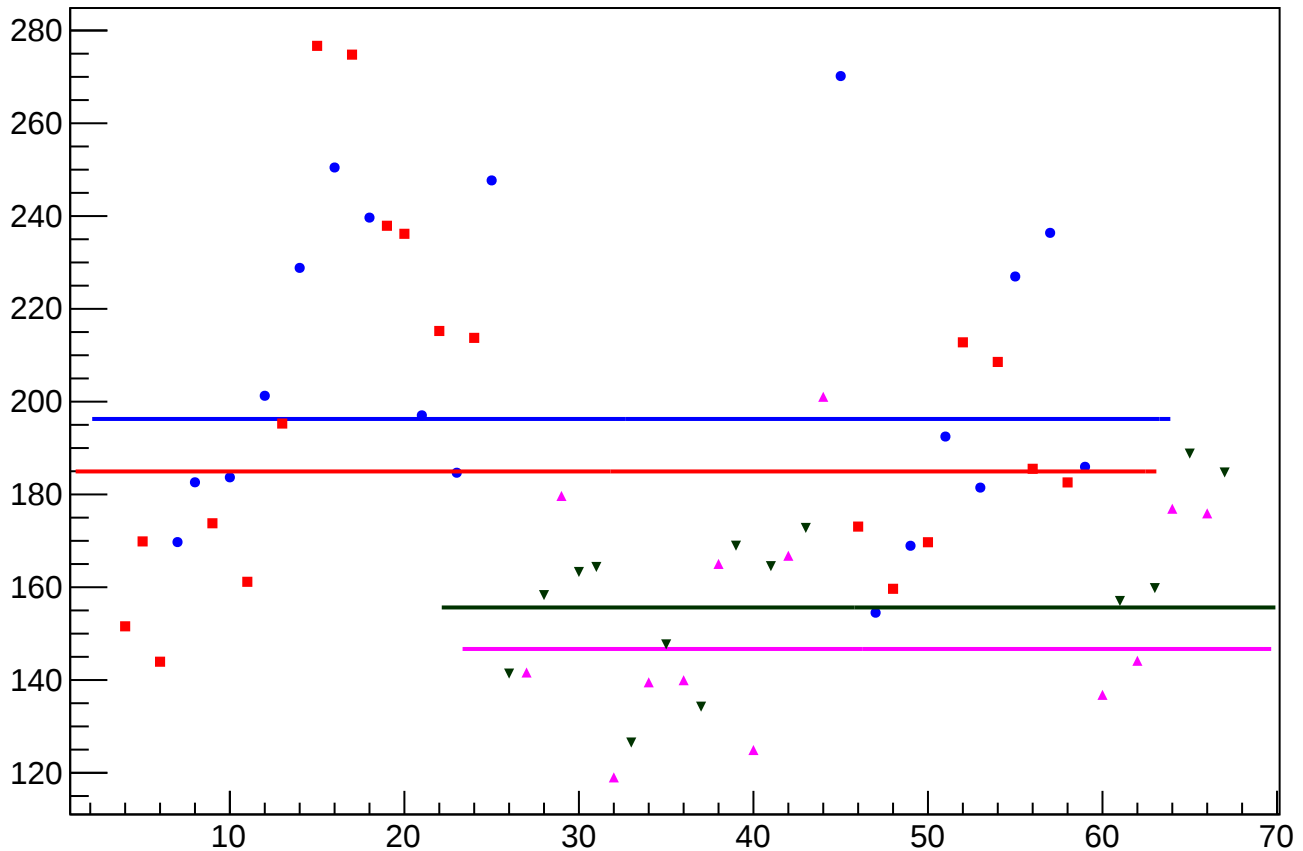
418.873 ± 41.625 χ^2/NDF : 1139.5/31

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

256.323 ± 39.985 χ^2/NDF : 4314.8/31

Left In: -384.411 ± 53.605 χ^2/NDF : 284.0/12

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

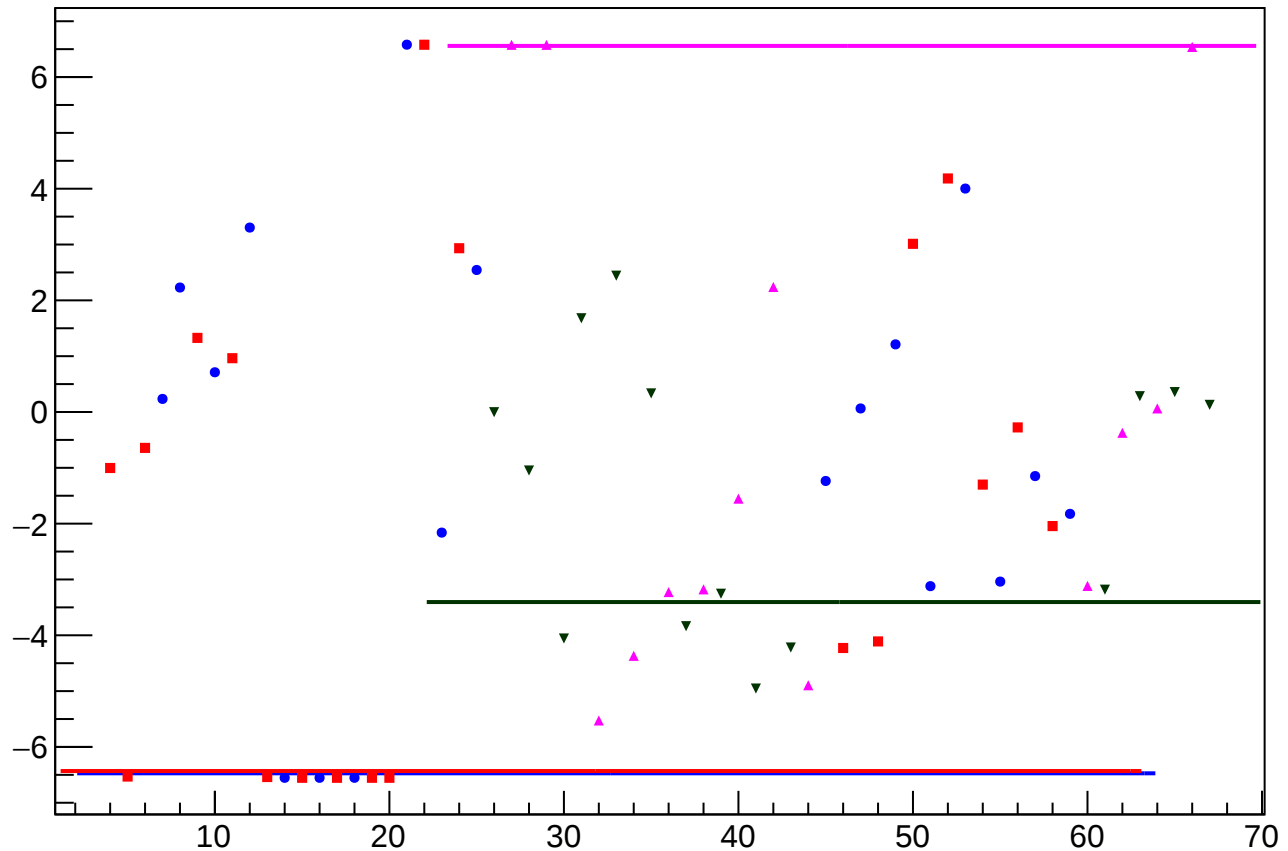
Right Out: 184.956 $\pm$ 0.042 χ^2 /NDF: 580645.4/18

Left In: 146.694 $\pm$ 0.038 χ^2 /NDF:358215.7/12

175.429 $\pm$ 0.029 χ^2 /NDF: 1118613.1/31

163.668 $\pm$ 0.028 χ^2 /NDF: 1390874.7/31

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

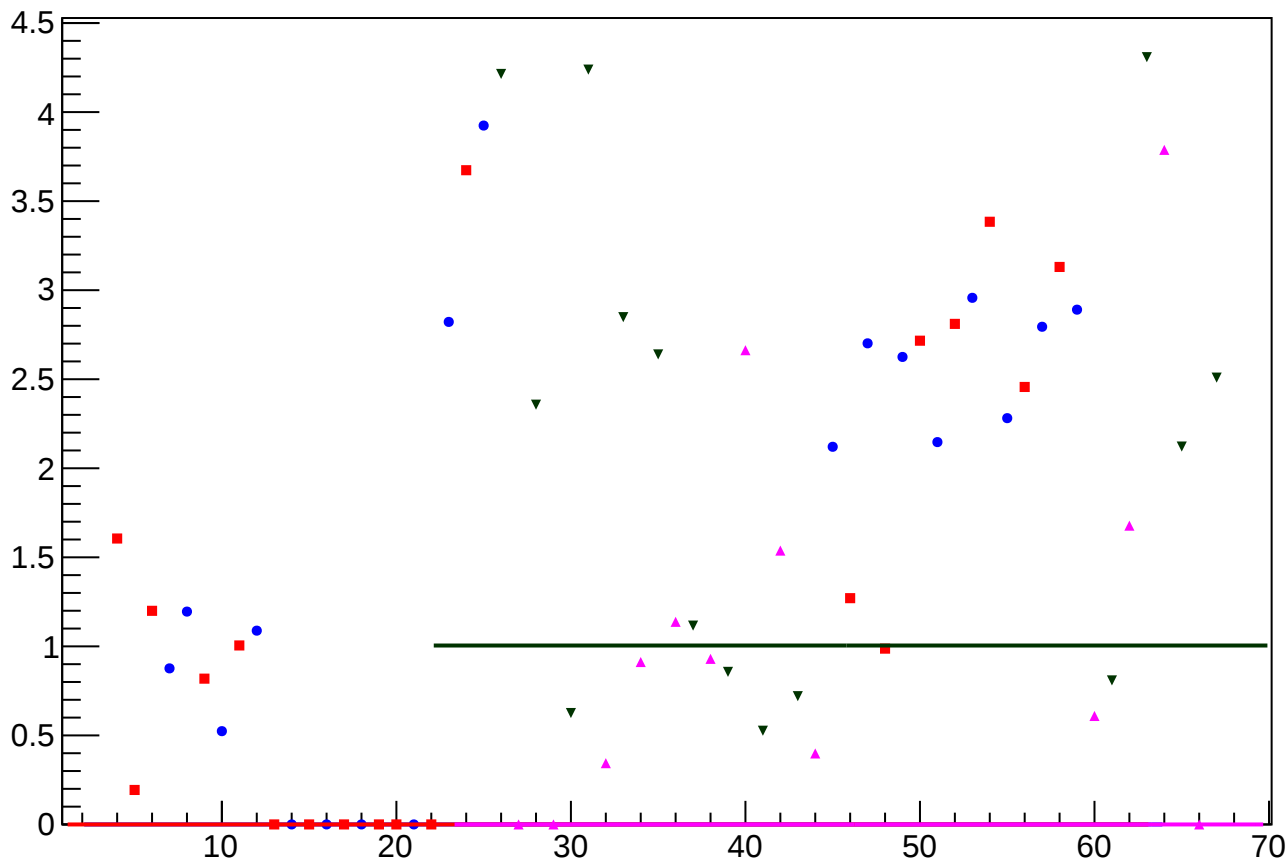
Right Out: -6.432 ± 0.000 χ^2/NDF : 150837619676093.8/18

Left In: 6.558 ± 0.000 χ^2/NDF : 1548880927.1/12

-6.473 ± 0.000 χ^2/NDF : 127847988766994.6/3

-6.196 ± 0.000 χ^2/NDF : 446402669471415.1/3

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

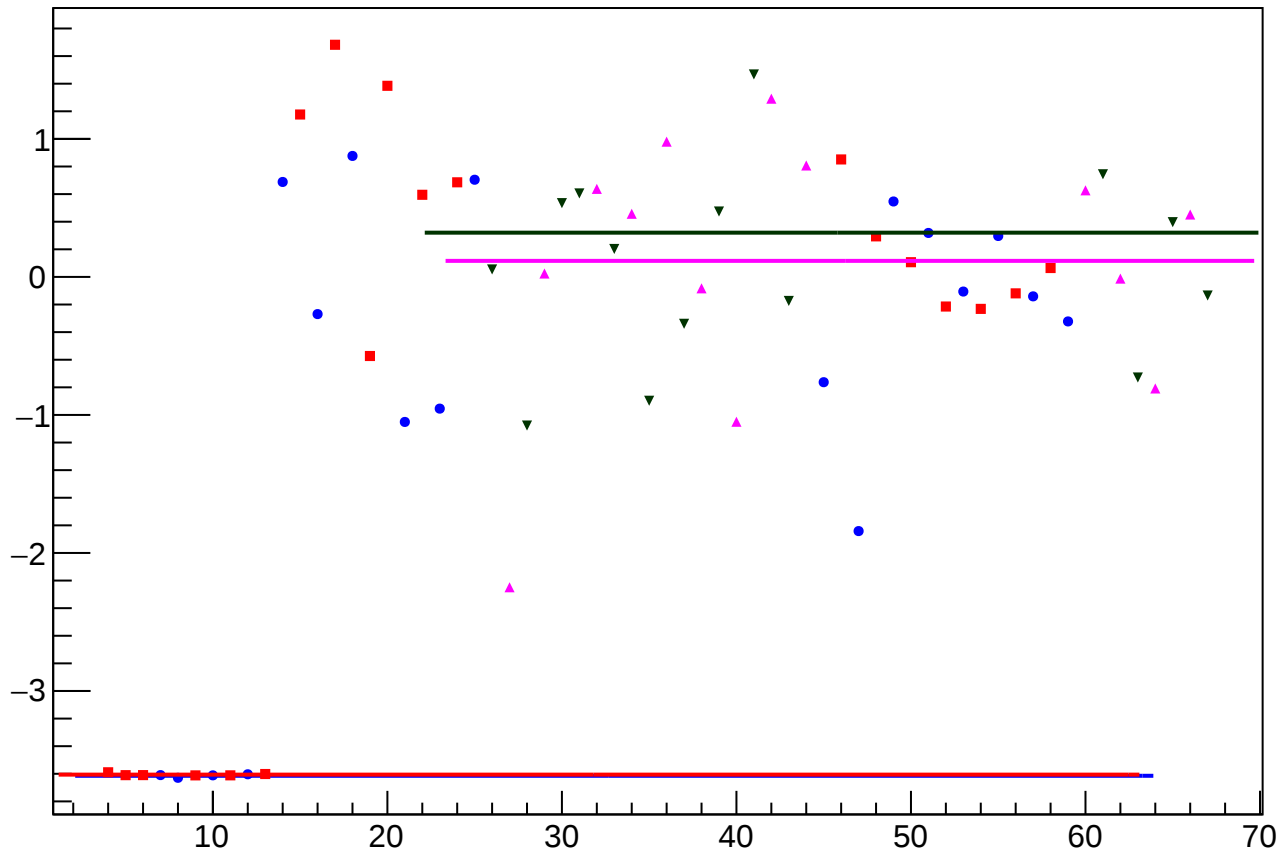
Right Out: 0.000+/-0.000 χ^2/NDF : 9626570.5/18

Left In: 0.000+/-0.000 χ^2/NDF : 7147546.2/12

0.000+/-0.000 χ^2/NDF : 22229509.7/31

0.000+/-0.000 χ^2/NDF : 16774169.9/31

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

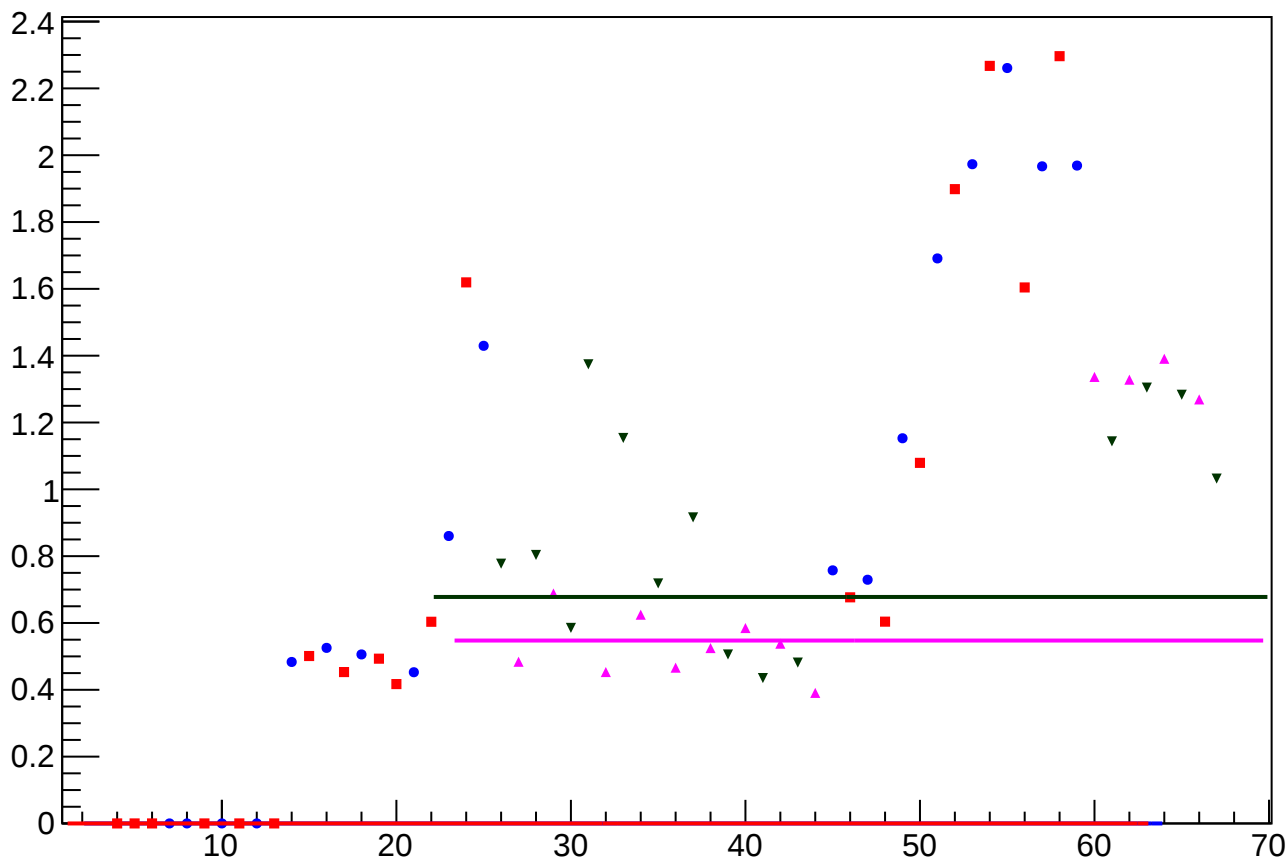
Left Out: 0.321+/-0.000 χ^2/NDF : 7147127.4/13

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

-3.606+/-0.000 χ^2/NDF : 38047571209.8/31

Left In: 0.116+/-0.000 χ^2/NDF : 20455605.1/12

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

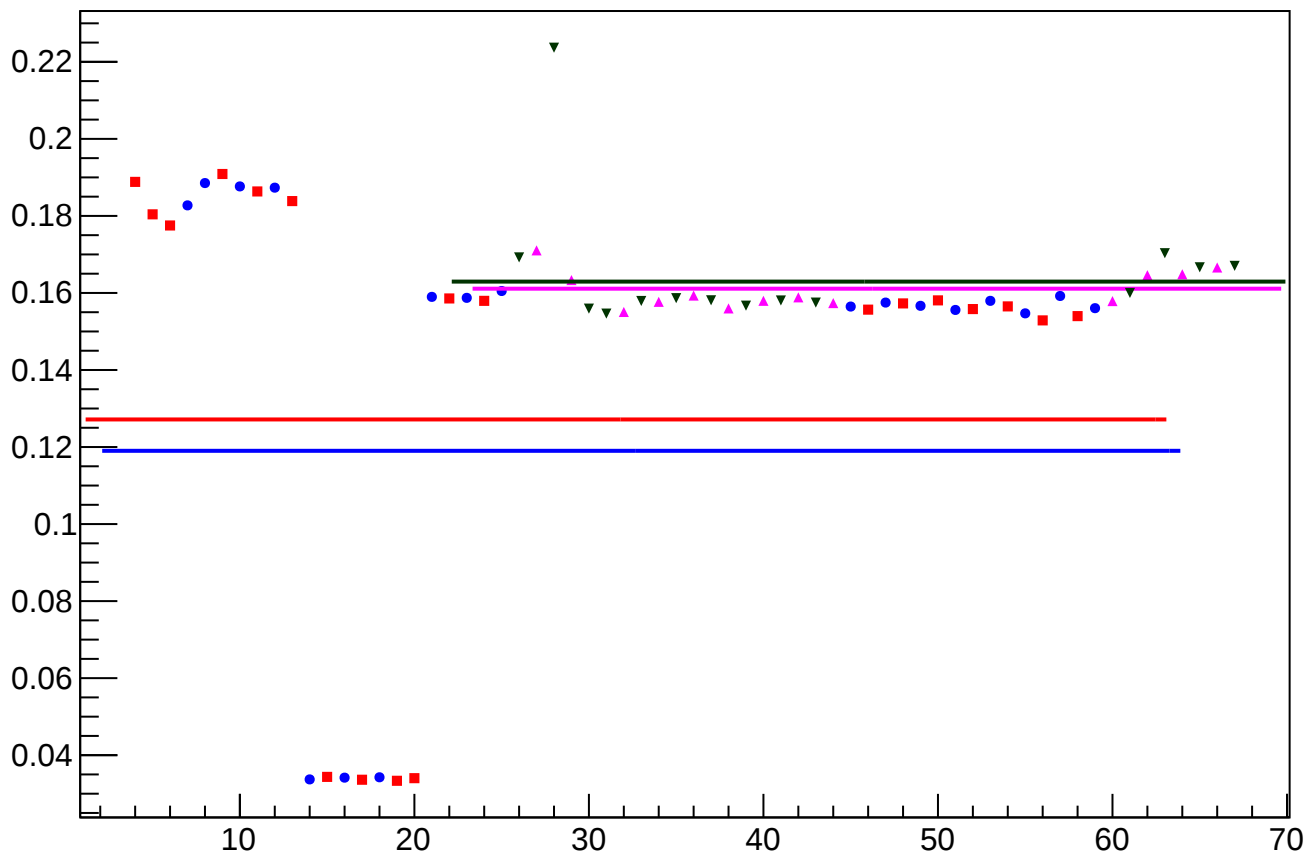
Right Out: 0.000+/-0.000 χ^2/NDF : 10531530.4/18

Left In: 0.547+/-0.000 χ^2/NDF :1652869.8/12

0.000+/-0.000 χ^2/NDF : 25125240.8/31

0.000+/-0.000 χ^2/NDF : 22319861.4/31

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

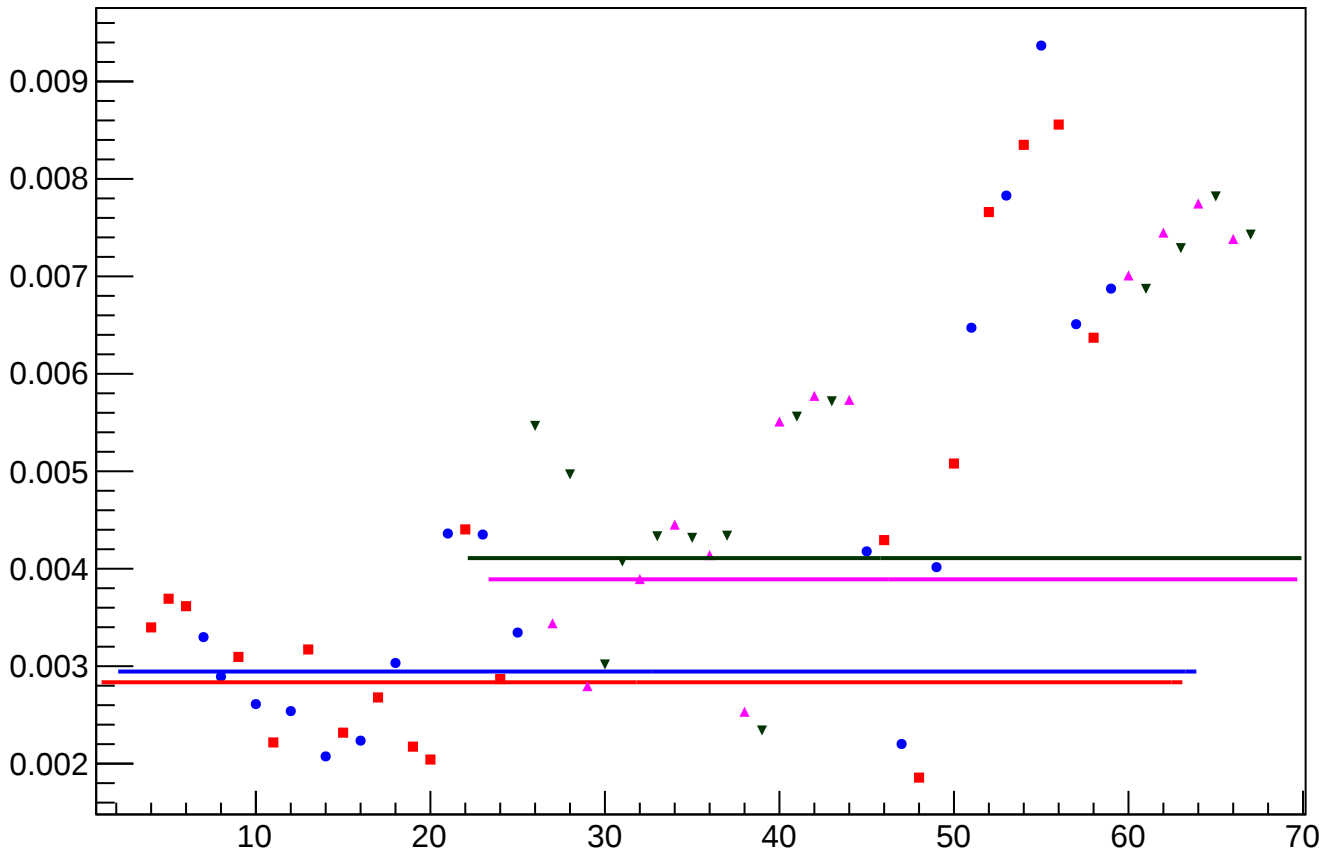
Right Out: 0.127+/-0.000 χ^2/NDF : 4426693928.8/18

Left In: 0.161+/-0.000 χ^2/NDF : 12304889.7/12

0.130+/-0.000 χ^2/NDF : 5594017773.6/31

0.137+/-0.000 χ^2/NDF : 4782004207.3/31

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

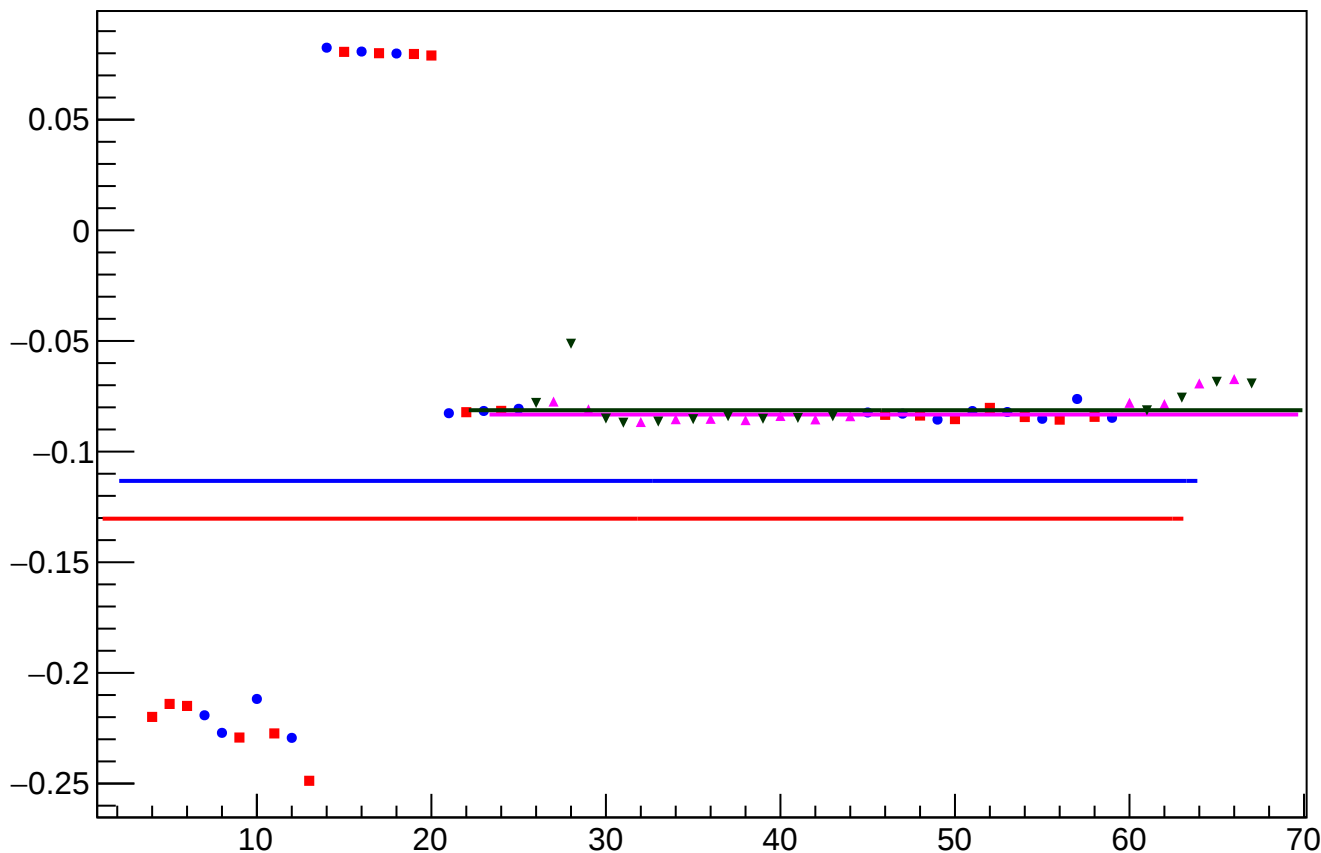
Right Out: 0.003+/-0.000 χ^2/NDF : 2697291.9/18

Left In: 0.004+/-0.000 χ^2/NDF :1727395.9/12

0.003+/-0.000 χ^2/NDF : 5418413.4/31

0.003+/-0.000 χ^2/NDF : 5088698.2/31

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

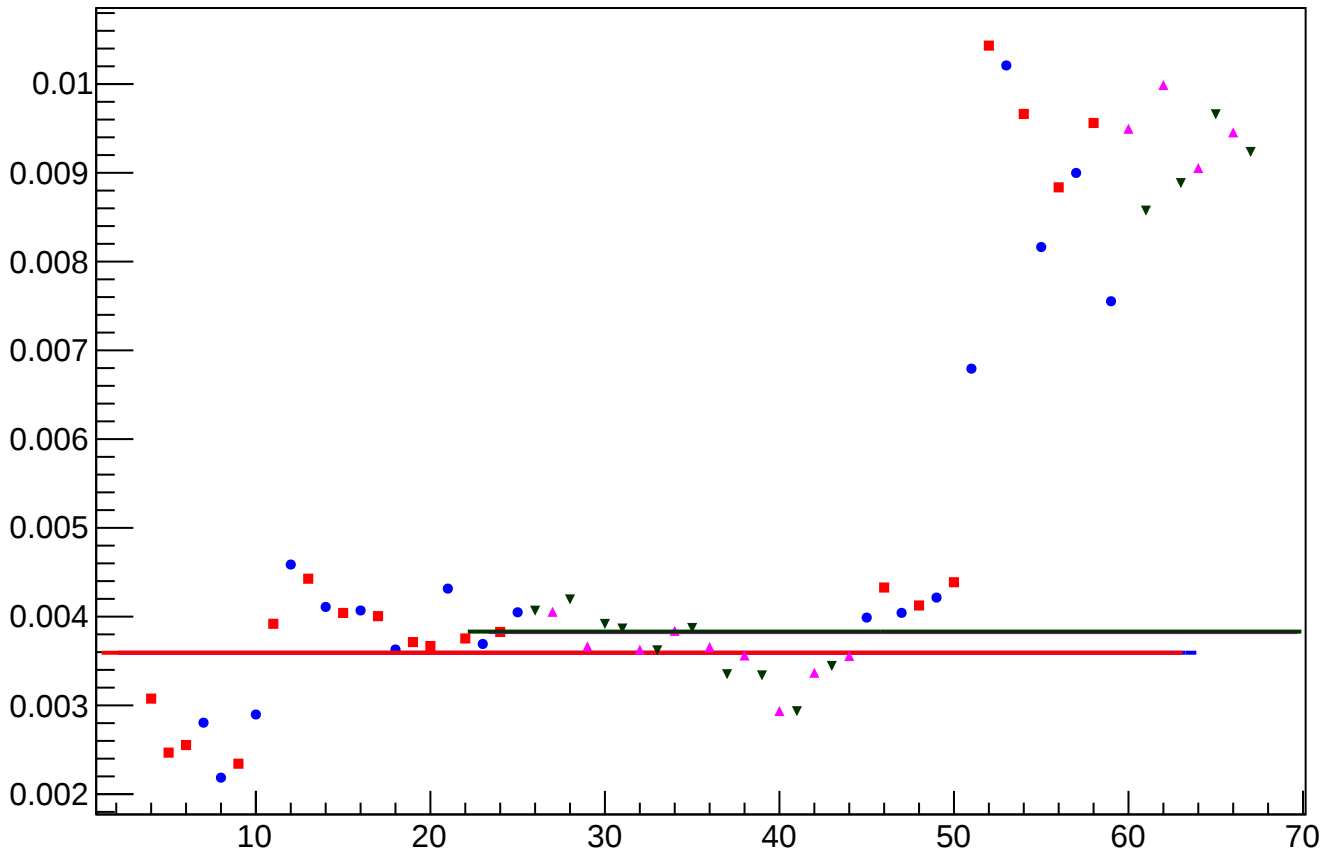
Right Out: -0.130+/-0.000 χ^2 /NDF: 8867144829.5/18

Left In: -0.083+/-0.000 χ^2 /NDF:6293506.4/12

-0.101+/-0.000 χ^2 /NDF: 10001766500.1/31

-0.111+/-0.000 χ^2 /NDF: 9452750062.0/31

yield_cav4cY_rms vs slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 2636393.6/17

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1312792.4/13

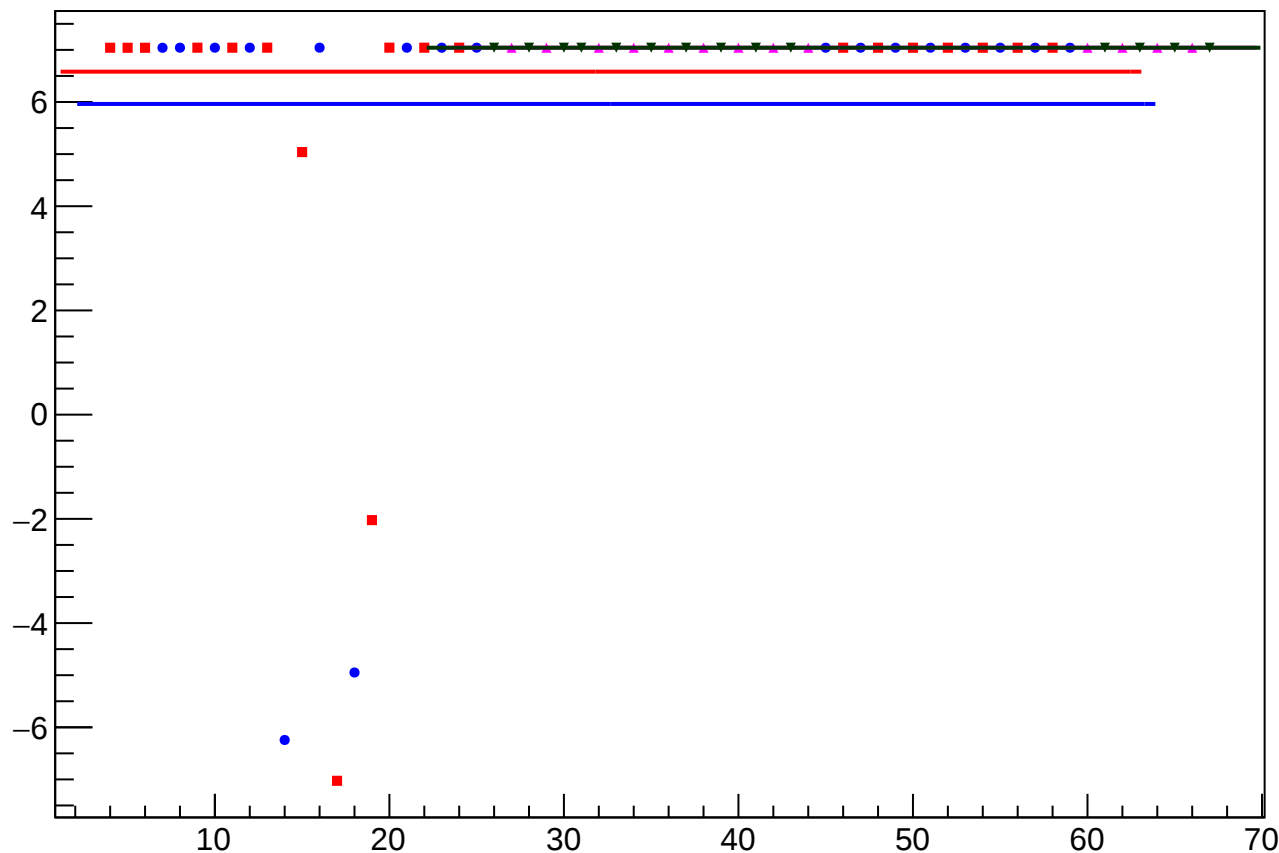
Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 2225355.5/18

Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1356160.4/12

0.004 $\pm$ 0.000 χ^2 /NDF: 3979100.5/31

0.004 $\pm$ 0.000 χ^2 /NDF: 3609754.0/31

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

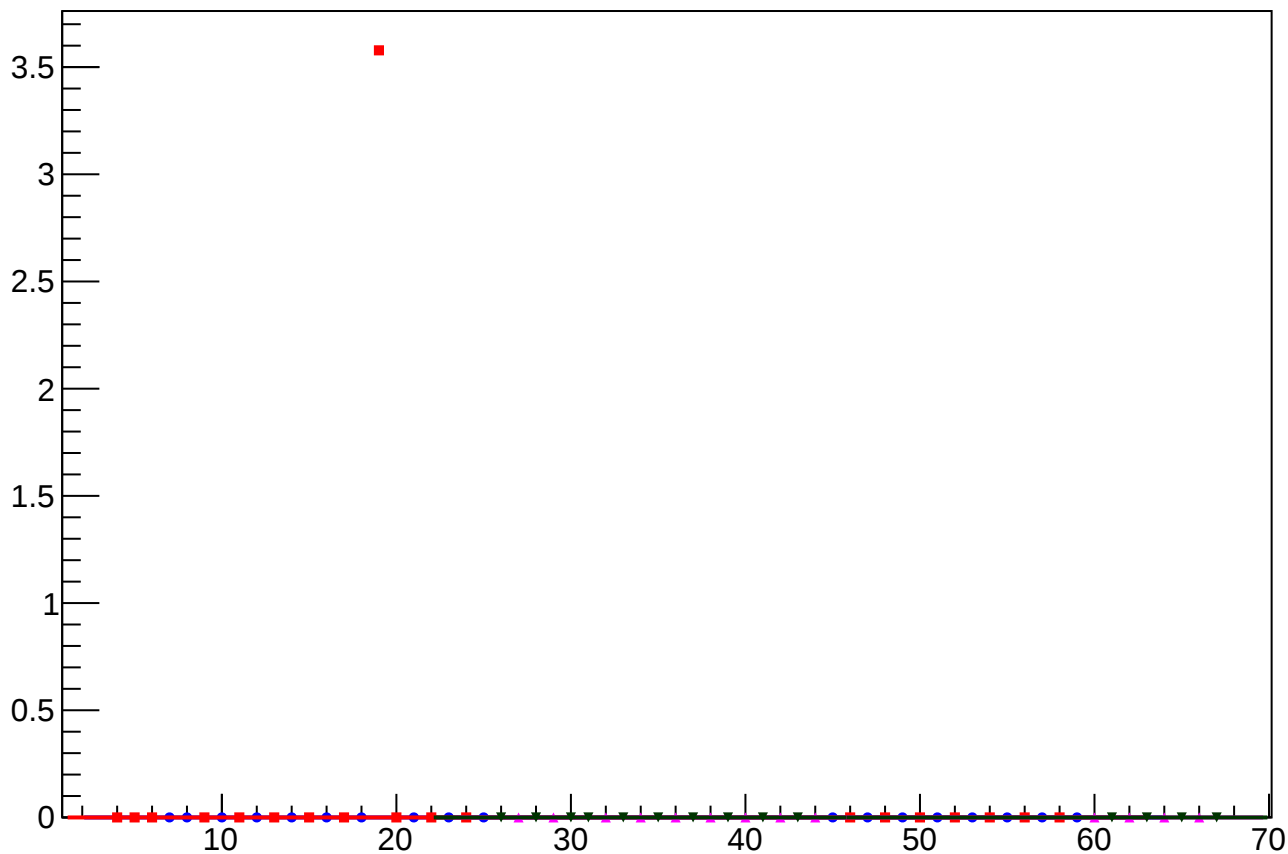
Right Out: 6.582 $\pm$ 0.000 χ^2 /NDF: 1856853993700647.2/18

Left In: 7.042 $\pm$ 0.000 χ^2 /NDF: 5540761.2/12

6.433 $\pm$ 0.000 χ^2 /NDF: 4797682110584745.0/3

6.808 $\pm$ 0.000 χ^2 /NDF: 1888566010190810.0/3

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

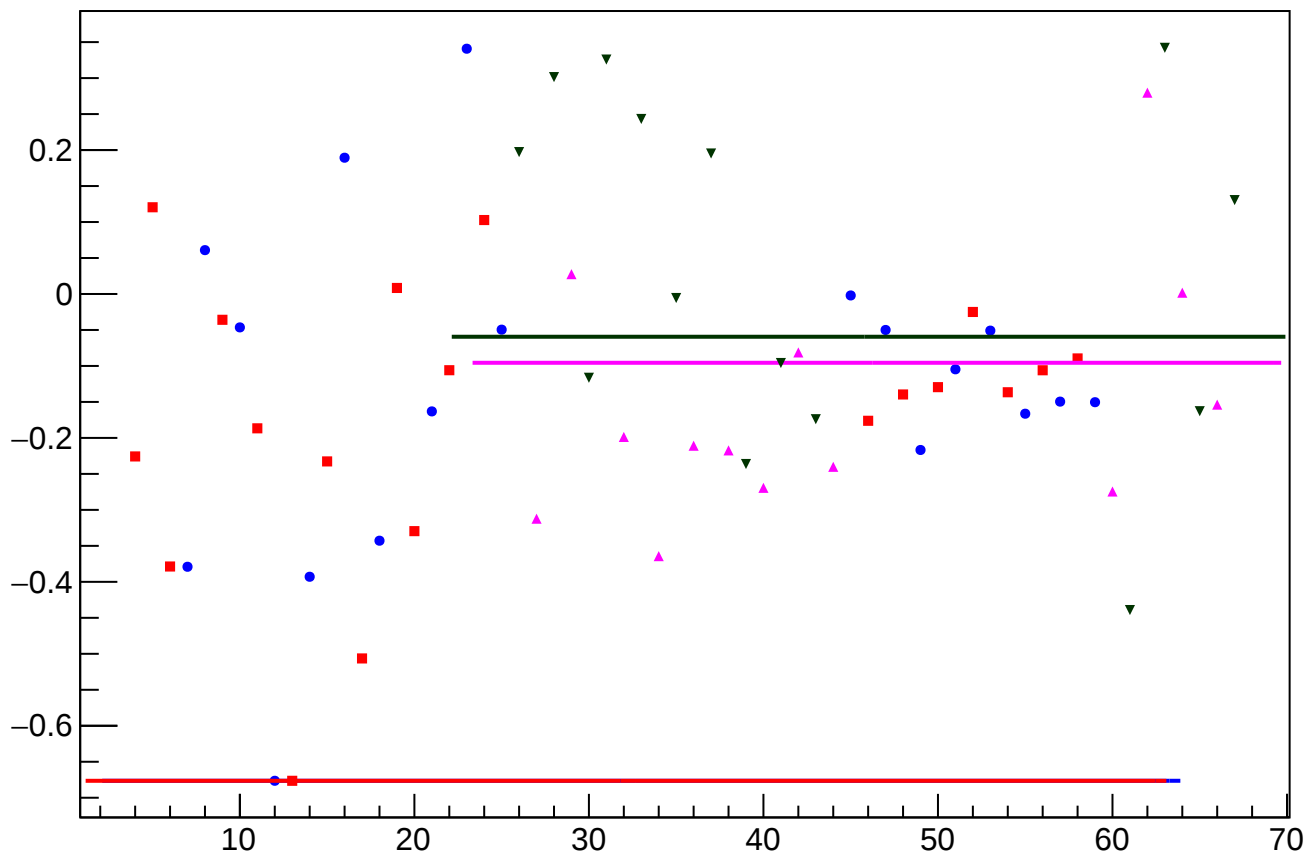
Right Out: 0.000+/-0.000 χ^2/NDF : 697661.6/18

Left In: 0.000+/-0.000 χ^2/NDF :2024.7/12

0.000+/-0.000 χ^2/NDF : 7550.4/31

0.000+/-0.000 χ^2/NDF : 702945.9/31

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

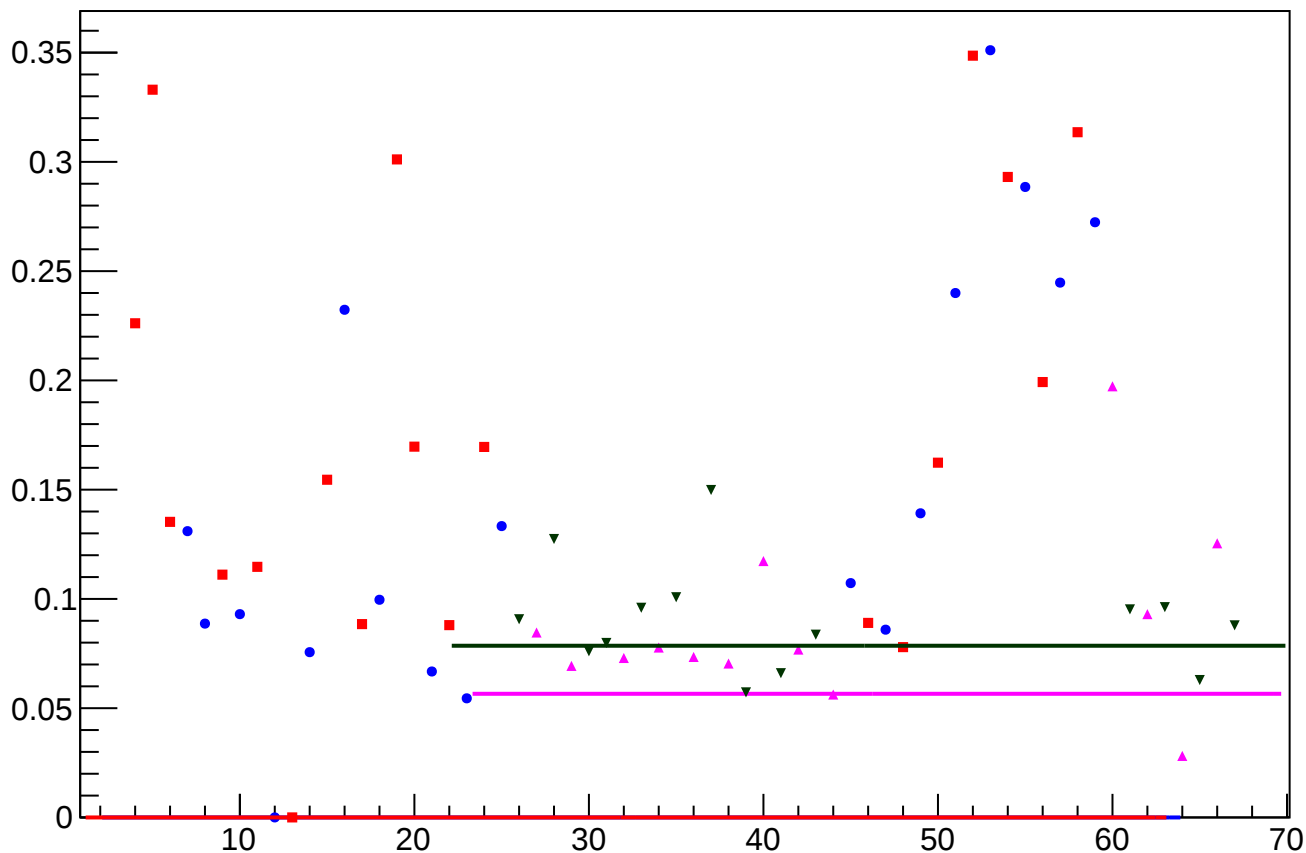
Right Out: -0.676+/-0.000 χ^2/NDF : 102004552.0/18

Left In: -0.096+/-0.000 χ^2/NDF : 23759817.5/12

-0.676+/-0.000 χ^2/NDF : 539039769.6/31

-0.676+/-0.000 χ^2/NDF : 543872770.9/31

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

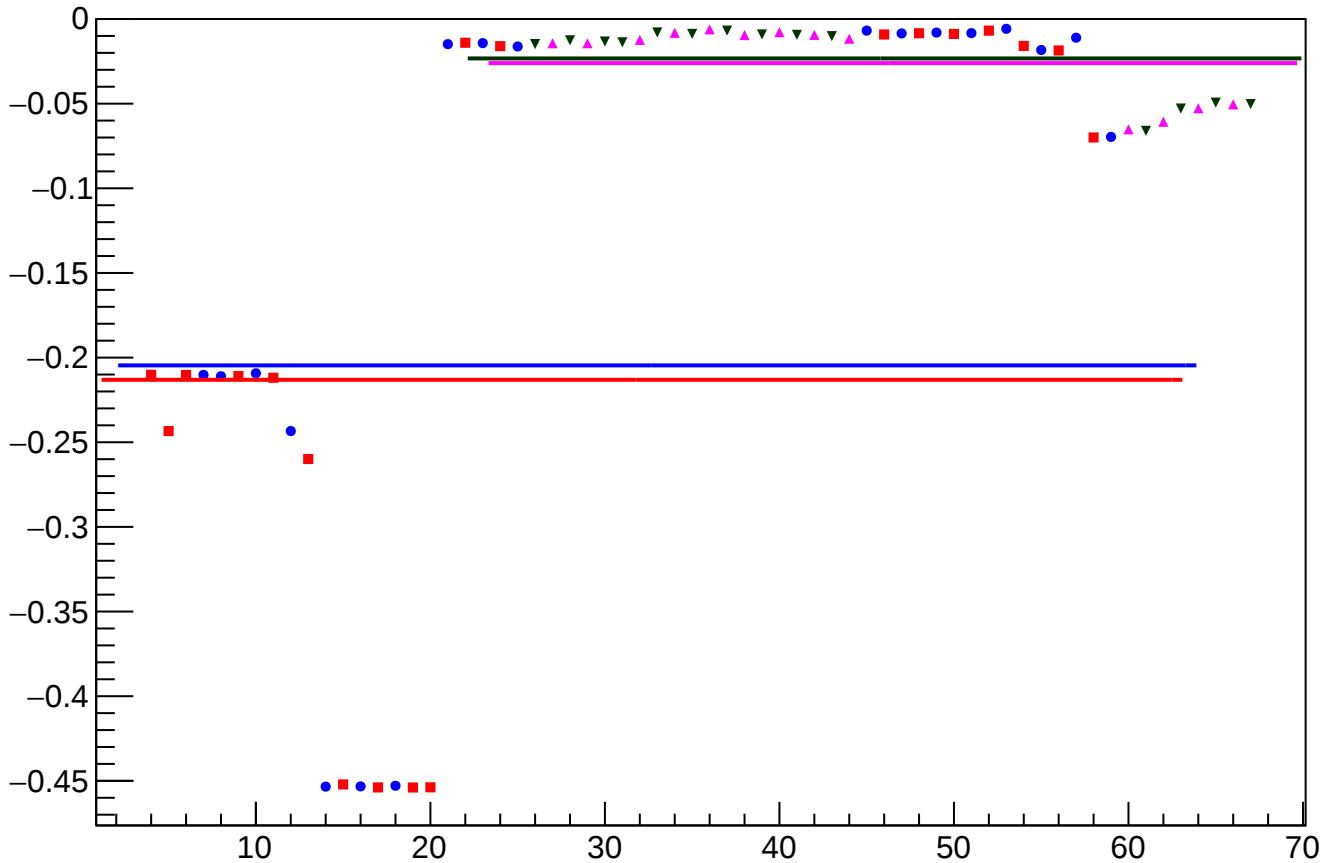
Right Out: 0.000+/-0.000 χ^2/NDF : 13760955.7/18

Left In: 0.057+/-0.000 χ^2/NDF : 2040186.9/12

0.000+/-0.000 χ^2/NDF : 24645016.8/31

0.000+/-0.000 χ^2/NDF : 23732723.8/31

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

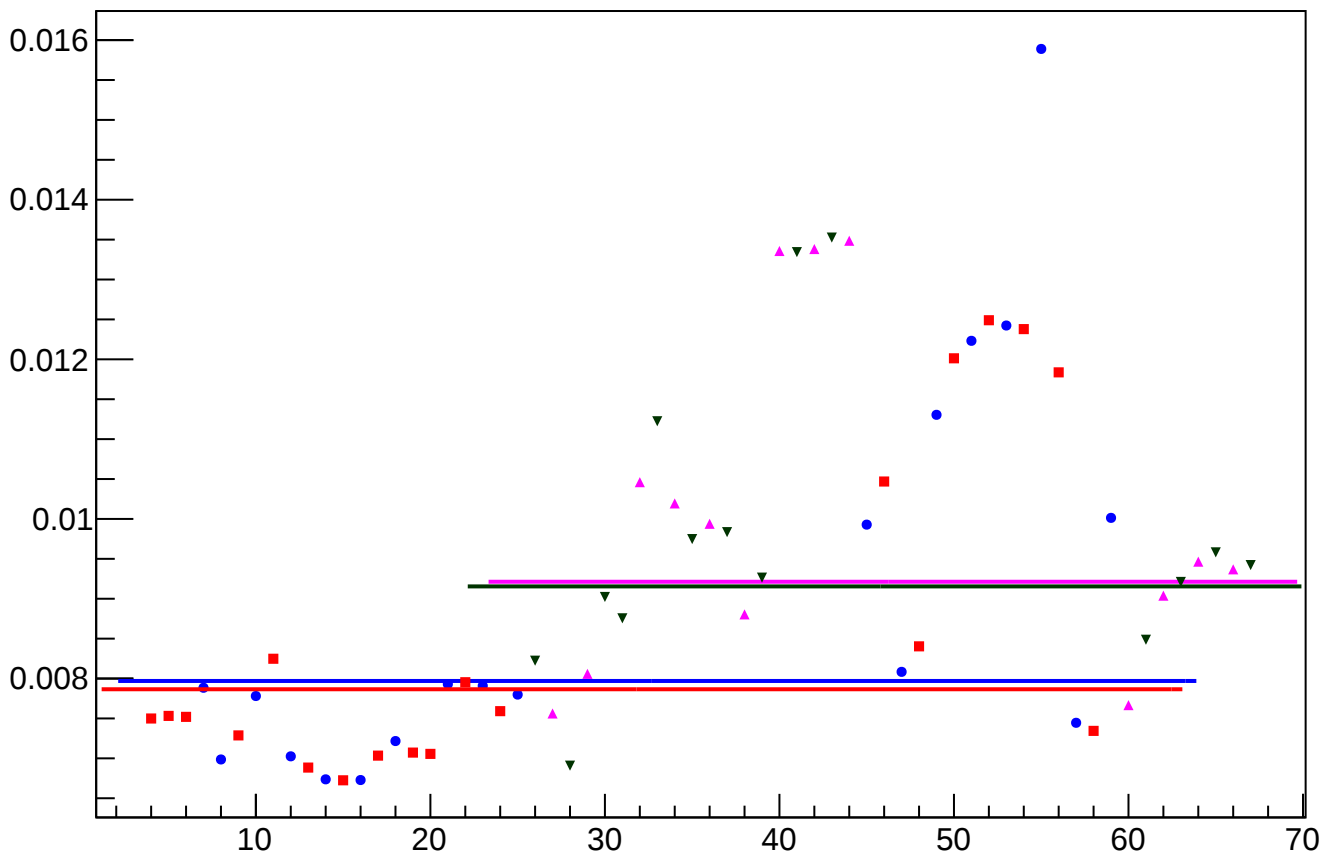
-0.144+/-0.000 χ^2/NDF : 7399822978.3/31

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

-0.146+/-0.000 χ^2/NDF : 6123201160.5/31

Left In: -0.026+/-0.000 χ^2/NDF : 41407946.4/12

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

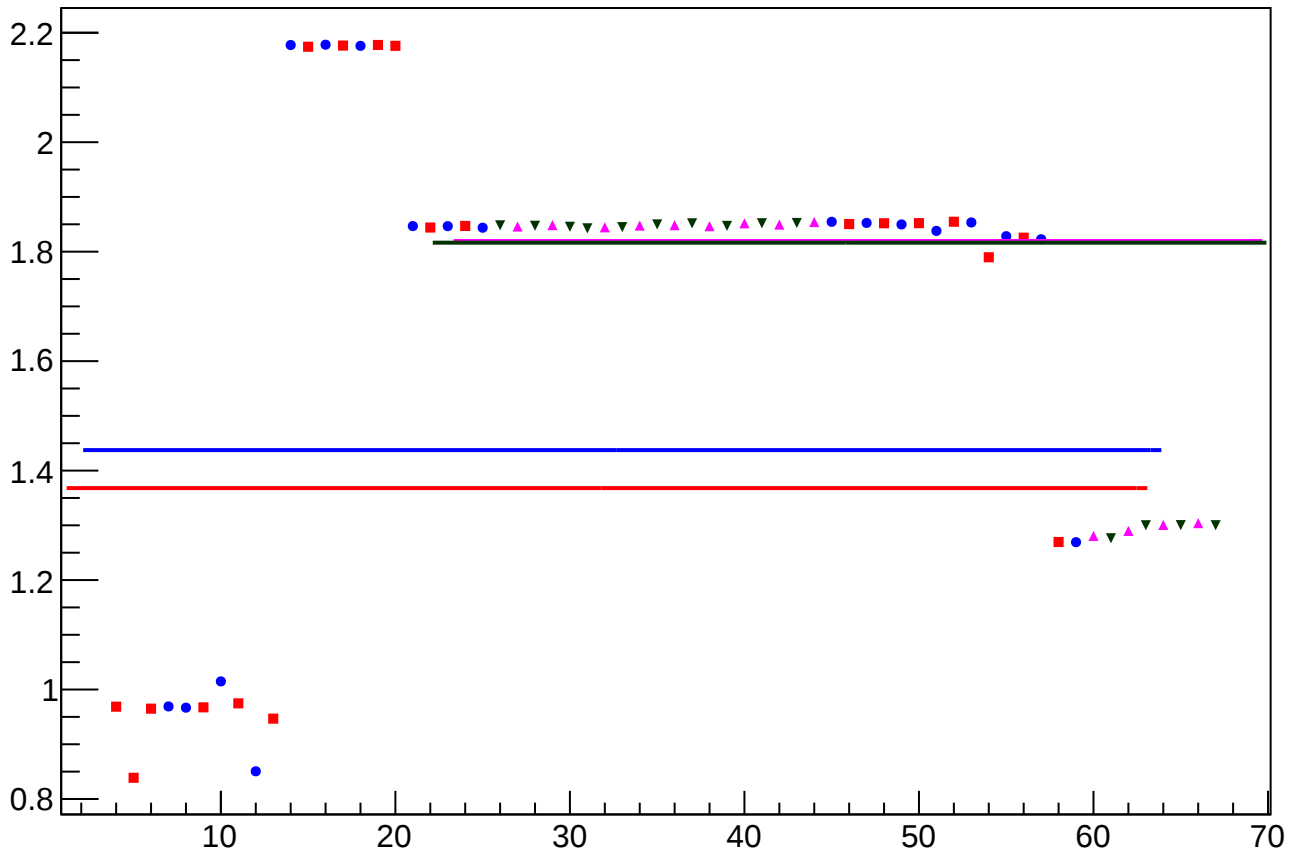
Right Out: 0.008+/-0.000 χ^2/NDF : 696189.4/18

Left In: 0.009+/-0.000 χ^2/NDF : 498703.3/12

0.008+/-0.000 χ^2/NDF : 1518074.8/31

0.008+/-0.000 χ^2/NDF : 1396060.9/31

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

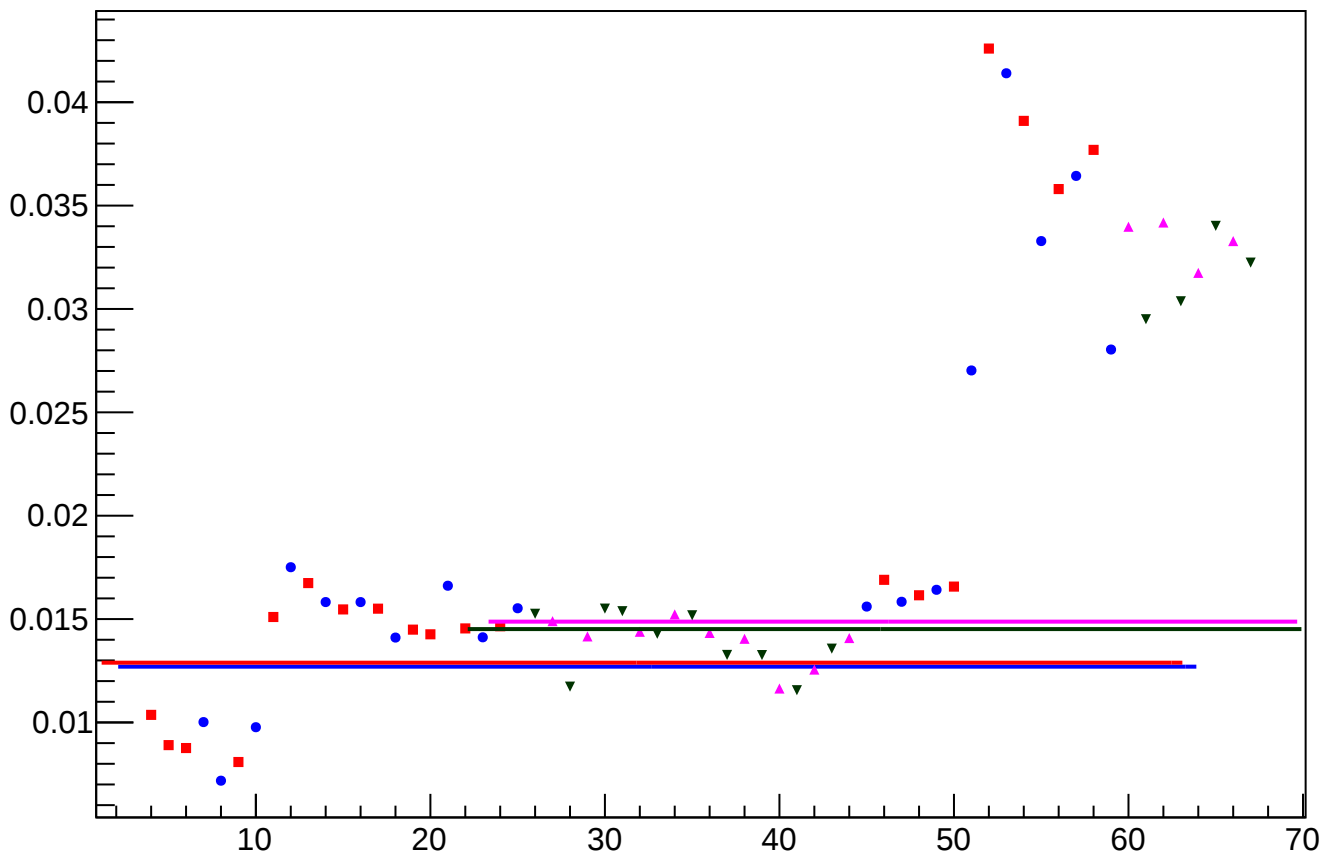
1.570+/-0.000 χ^2/NDF : 17477664797.8/31

Right Out: 1.368+/-0.000 χ^2/NDF : 12592500418.8/18

1.541+/-0.000 χ^2/NDF : 16810827821.9/31

Left In: 1.820+/-0.000 χ^2/NDF : 453122088.8/12

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

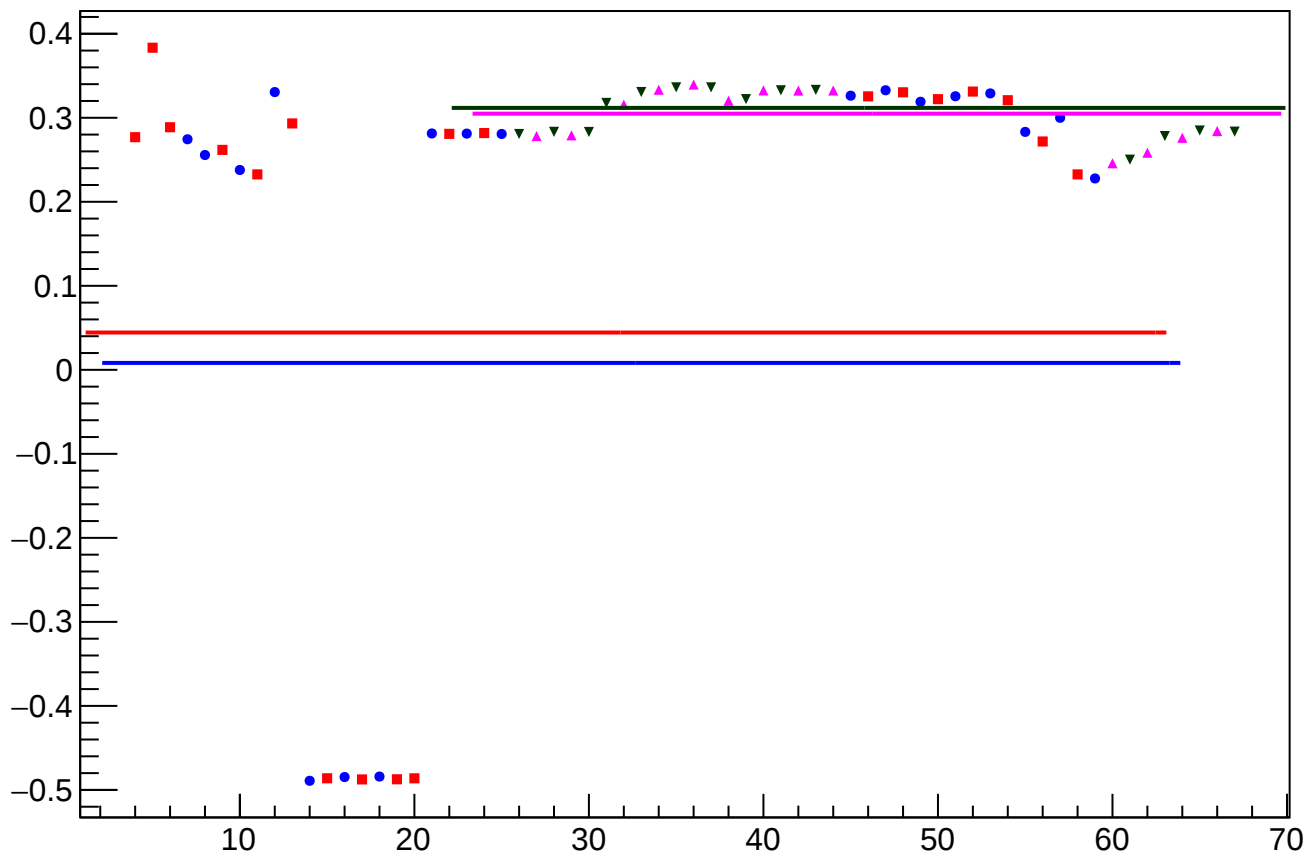
Right Out: 0.013+/-0.000 χ^2/NDF : 2814614.5/18

Left In: 0.015+/-0.000 χ^2/NDF :1169656.6/12

0.013+/-0.000 χ^2/NDF : 4820973.8/31

0.014+/-0.000 χ^2/NDF : 4129859.7/31

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

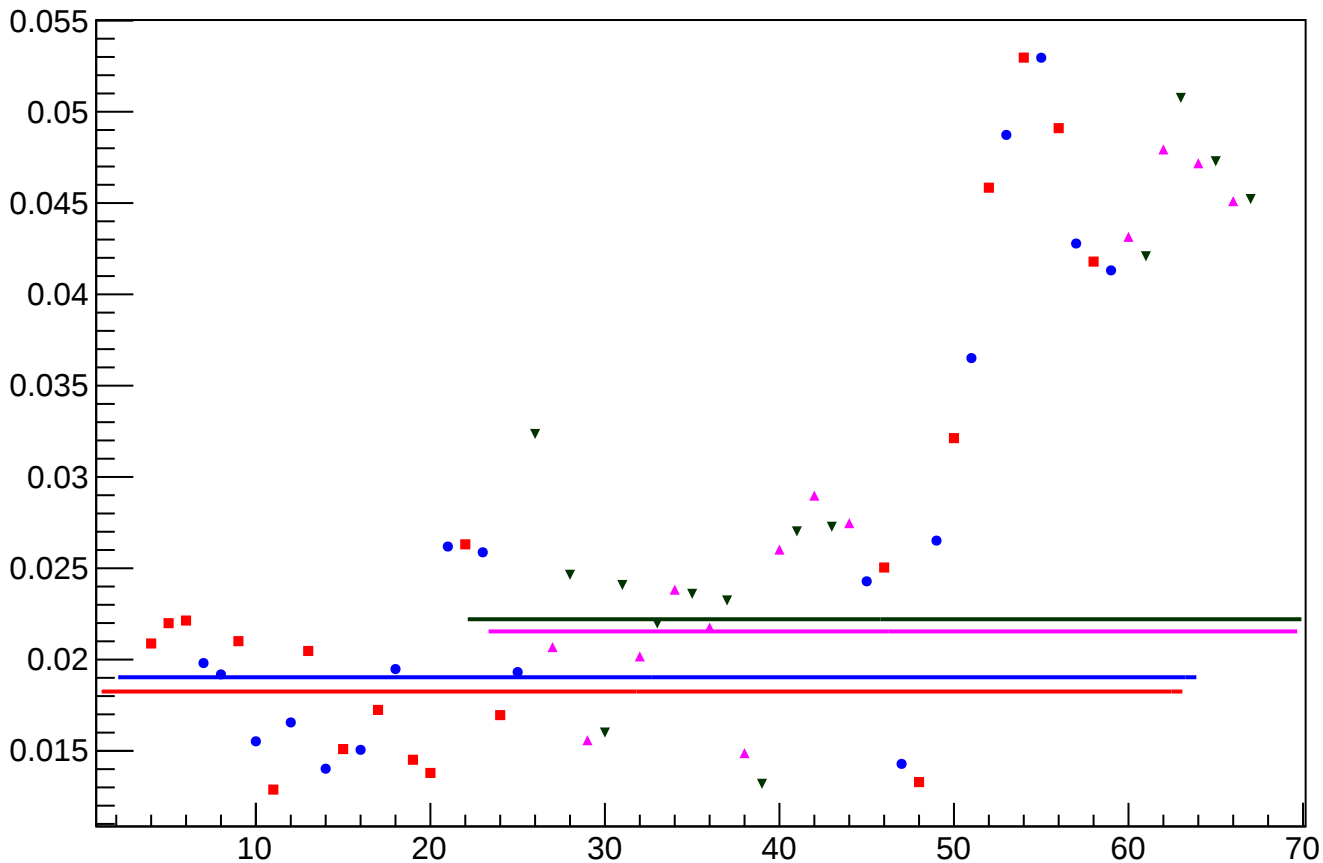
Right Out: 0.044 $\pm$ 0.000 χ^2 /NDF: 3156873410.8/18

Left In: 0.305 $\pm$ 0.000 χ^2 /NDF: 9115770.4/12

0.106 $\pm$ 0.000 χ^2 /NDF: 4357717850.9/31

0.137 $\pm$ 0.000 χ^2 /NDF: 3767251856.9/31

yield_bpm4eX_rms vs slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 2594784.8/17

Left Out: 0.022 $\pm$ 0.000 χ^2 /NDF:1839513.6/13

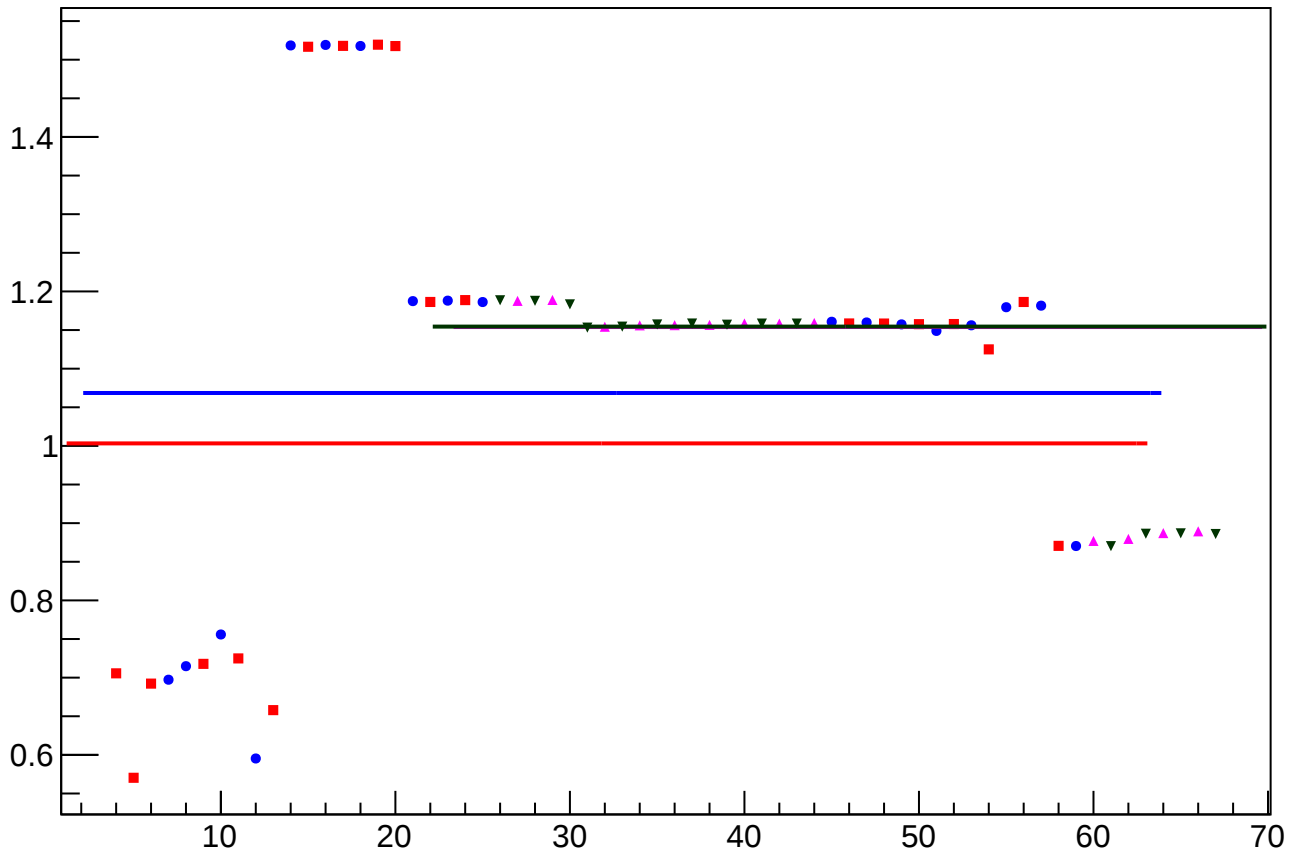
Right Out: 0.018 $\pm$ 0.000 χ^2 /NDF: 2485378.5/18

Left In: 0.022 $\pm$ 0.000 χ^2 /NDF:1670474.9/12

0.020 $\pm$ 0.000 χ^2 /NDF: 4601240.7/31

0.019 $\pm$ 0.000 χ^2 /NDF: 4347923.5/31

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

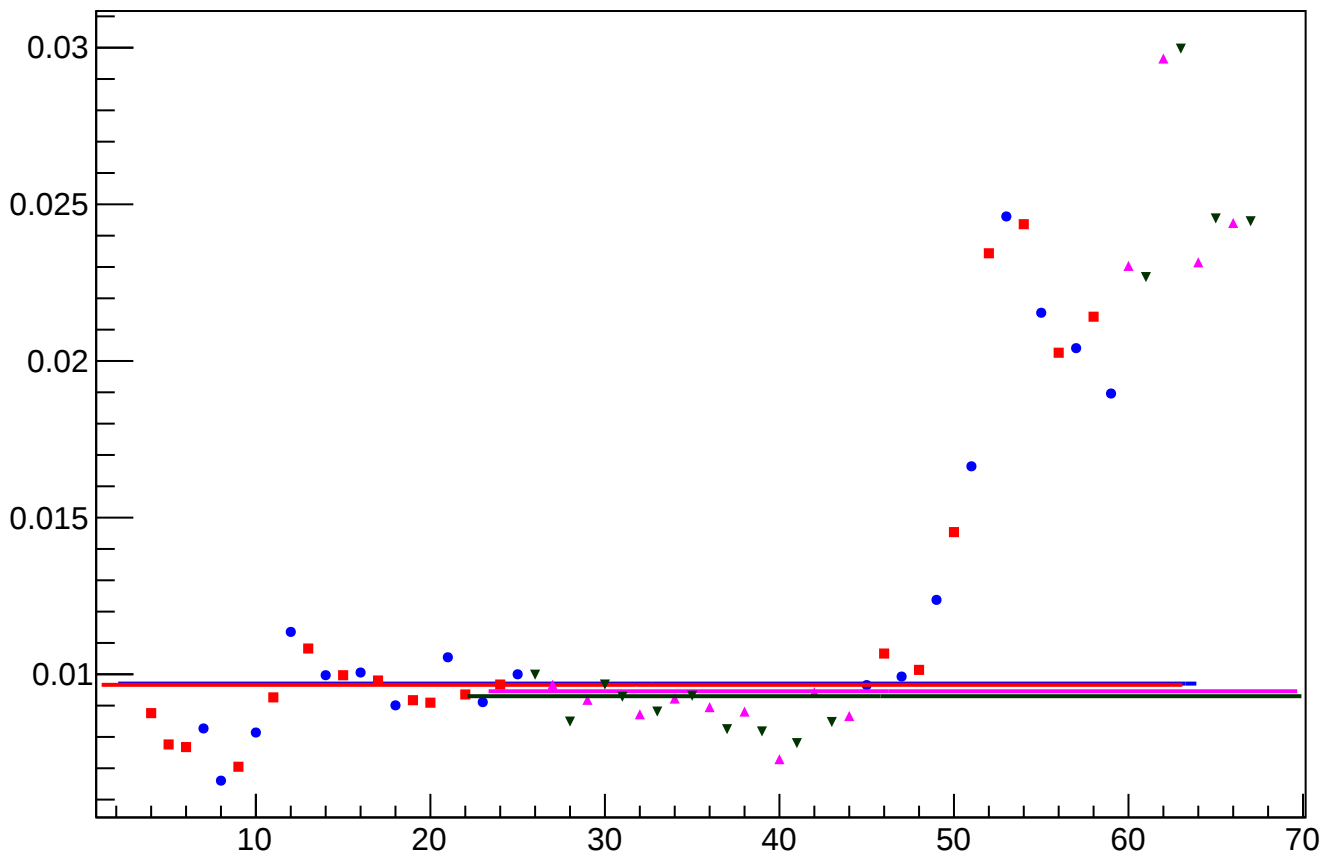
1.104+/-0.000 χ^2/NDF : 11074051583.5/31

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

1.069+/-0.000 χ^2/NDF : 11436431035.4/31

Left In: 1.154+/-0.000 χ^2/NDF : 230089323.8/12

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

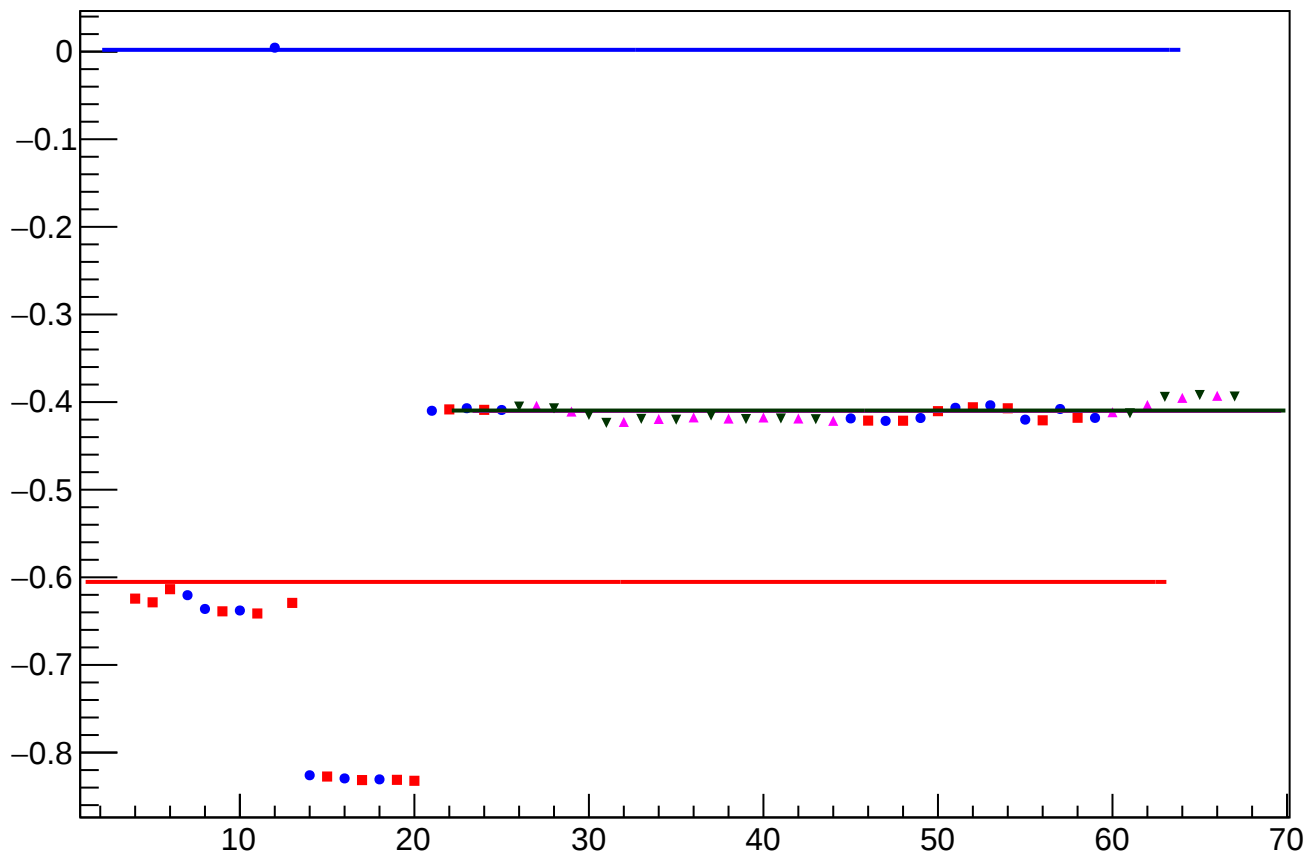
Right Out: 0.010+/-0.000 χ^2/NDF : 1597012.3/18

Left In: 0.009+/-0.000 χ^2/NDF :1440155.4/12

0.010+/-0.000 χ^2/NDF : 3393579.3/31

0.010+/-0.000 χ^2/NDF : 3040555.3/31

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

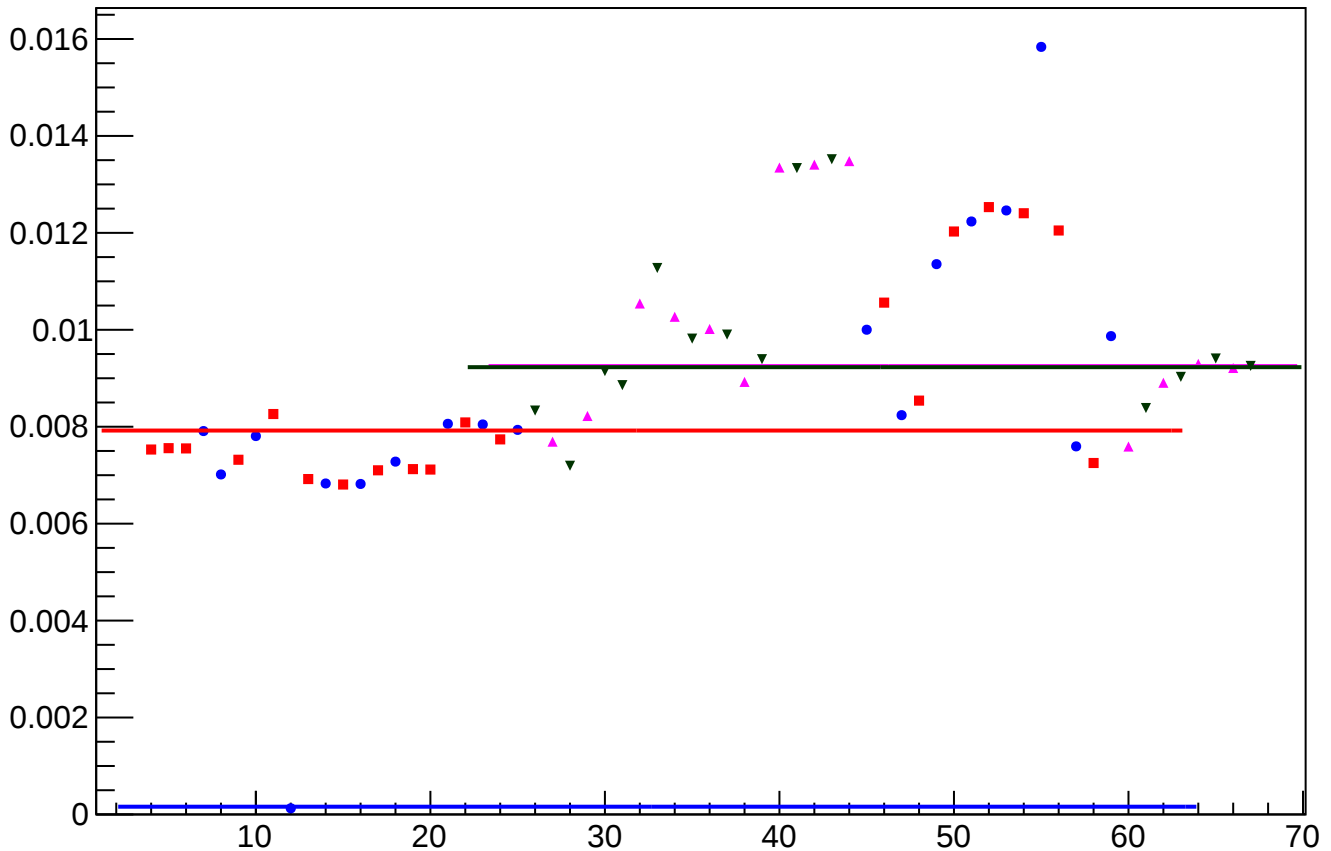
Right Out: -0.605+/-0.000 χ^2/NDF : 3819629229.5/18

Left In: -0.410+/-0.000 χ^2/NDF : 7154739.2/12

0.001+/-0.000 χ^2/NDF : 73671734024.2/31

-0.534+/-0.000 χ^2/NDF : 5916241669.8/31

yield_bpm4acX_rms vs slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 20262517.7/17

Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 375672.2/13

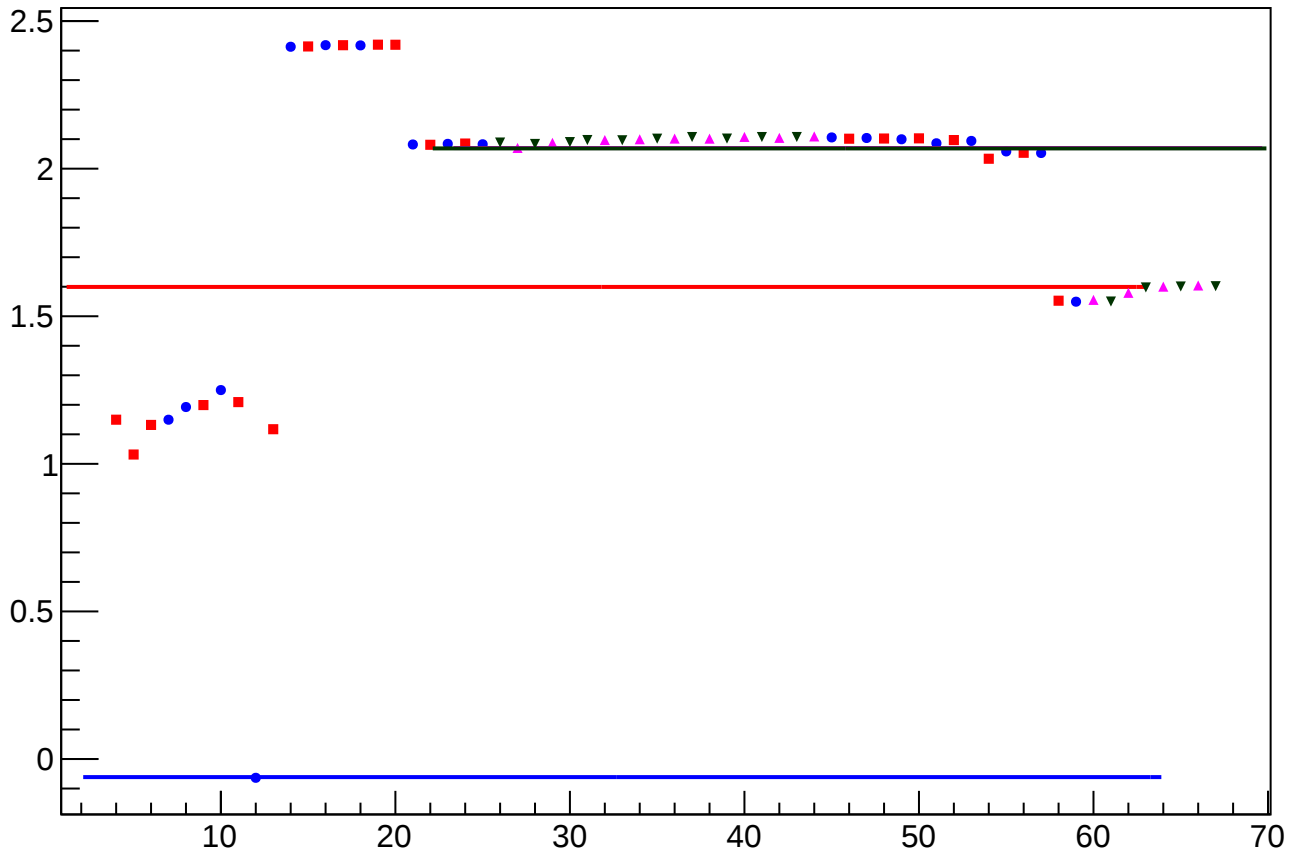
Right Out: 0.008 $\pm$ 0.000 χ^2/NDF : 697414.3/18

Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 484216.1/12

0.000 $\pm$ 0.000 χ^2/NDF : 34141511.8/31

0.008 $\pm$ 0.000 χ^2/NDF : 1376090.5/31

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

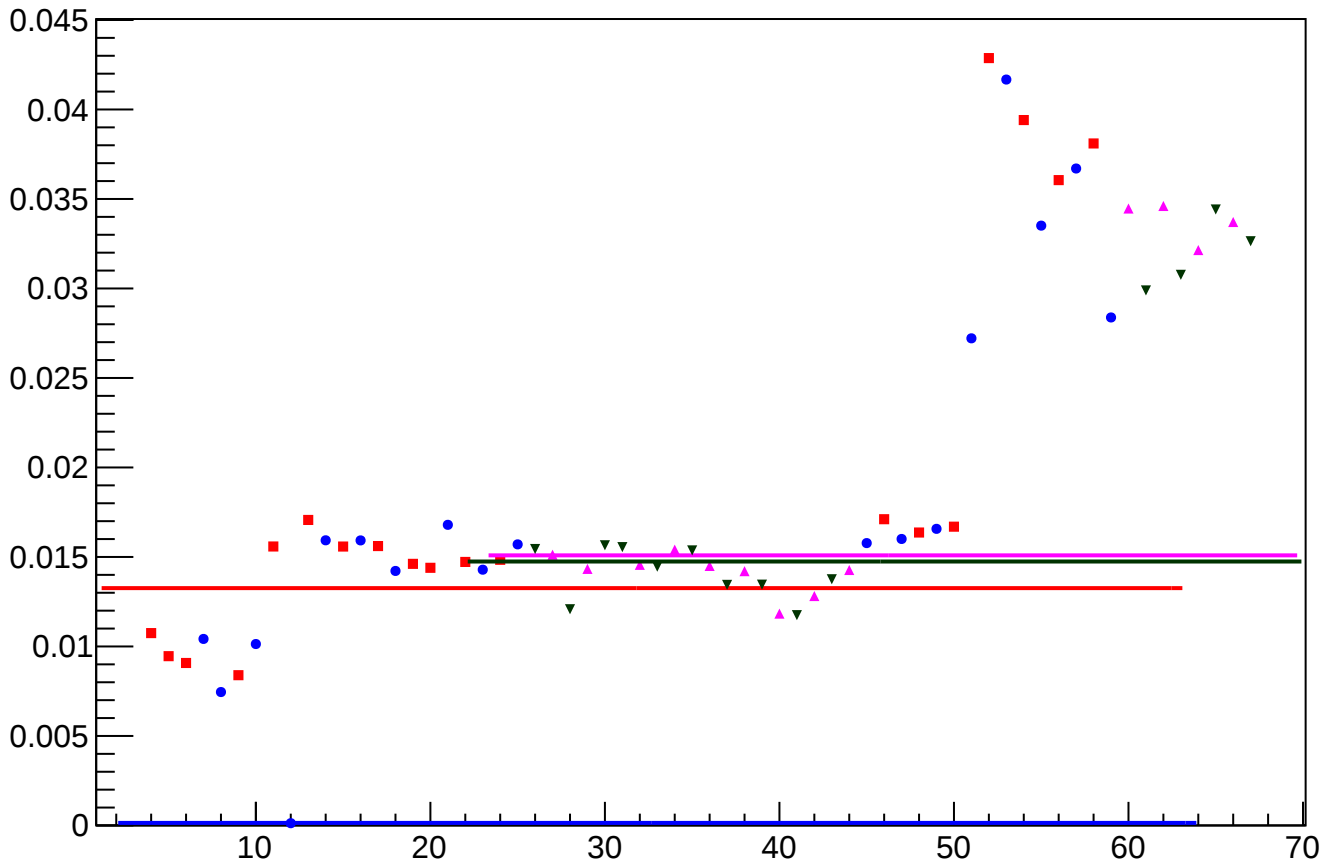
-0.060+/-0.000 χ^2/NDF : 300825172228.9/31

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

1.782+/-0.000 χ^2/NDF : 17412593094.4/31

Left In: 2.070+/-0.000 χ^2/NDF : 378251746.6/12

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

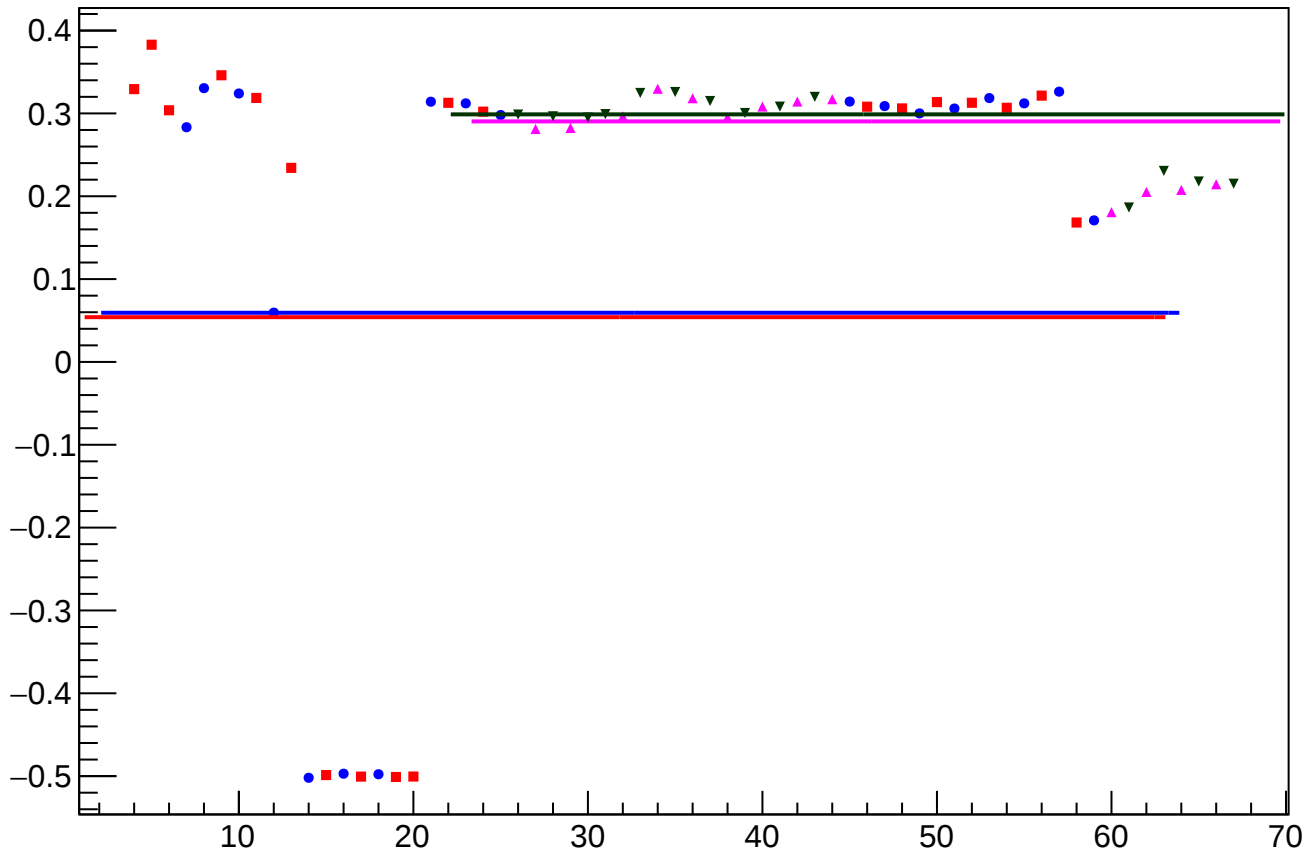
Right Out: 0.013+/-0.000 χ^2/NDF : 2690130.8/18

Left In: 0.015+/-0.000 χ^2/NDF :1165107.2/12

0.000+/-0.000 χ^2/NDF : 32944491.4/31

0.014+/-0.000 χ^2/NDF : 3974457.4/31

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

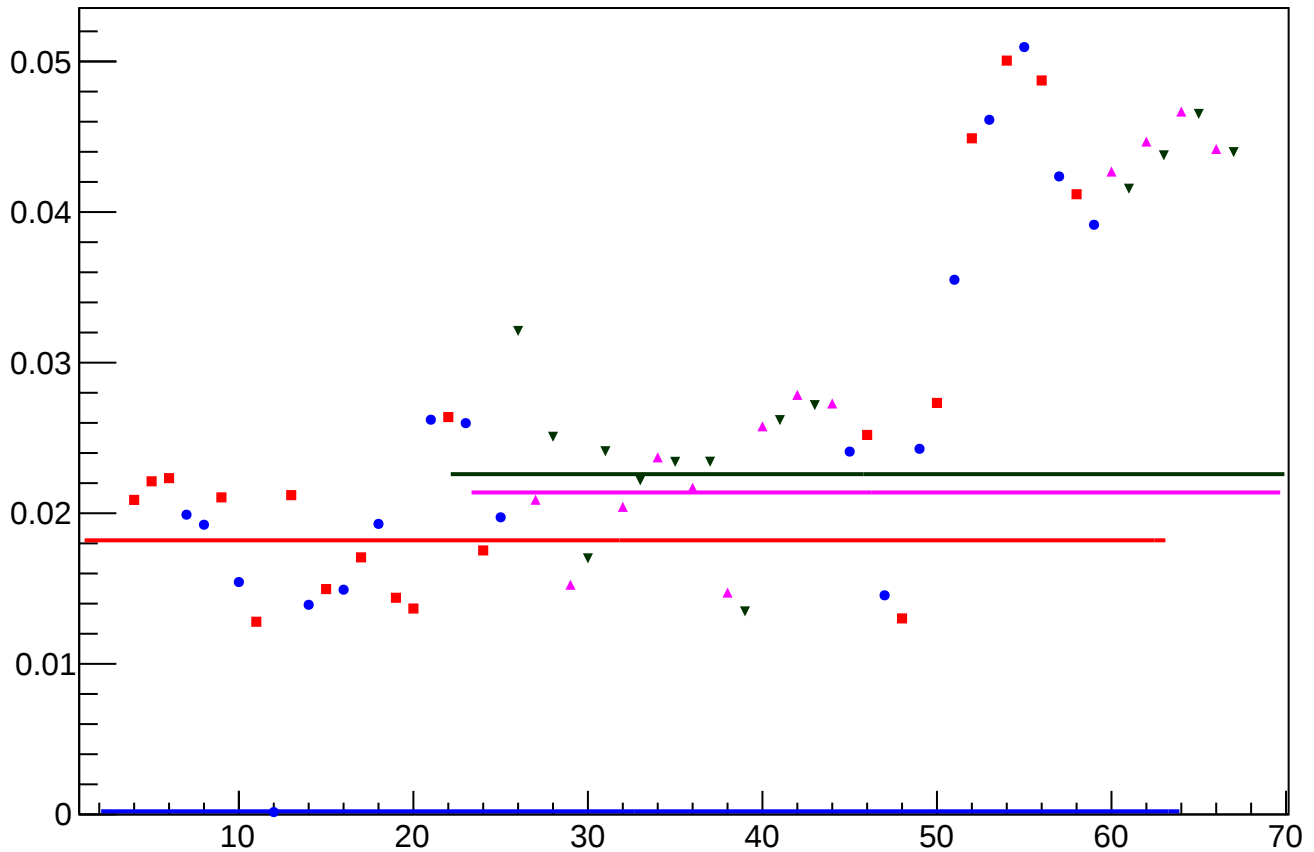
0.060+/-0.000 χ^2/NDF : 4585297112.9/31

Right Out: 0.054+/-0.000 χ^2/NDF : 3509628523.3/18

0.139+/-0.000 χ^2/NDF : 4024877214.8/31

Left In: 0.290+/-0.000 χ^2/NDF : 11726118.2/12

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

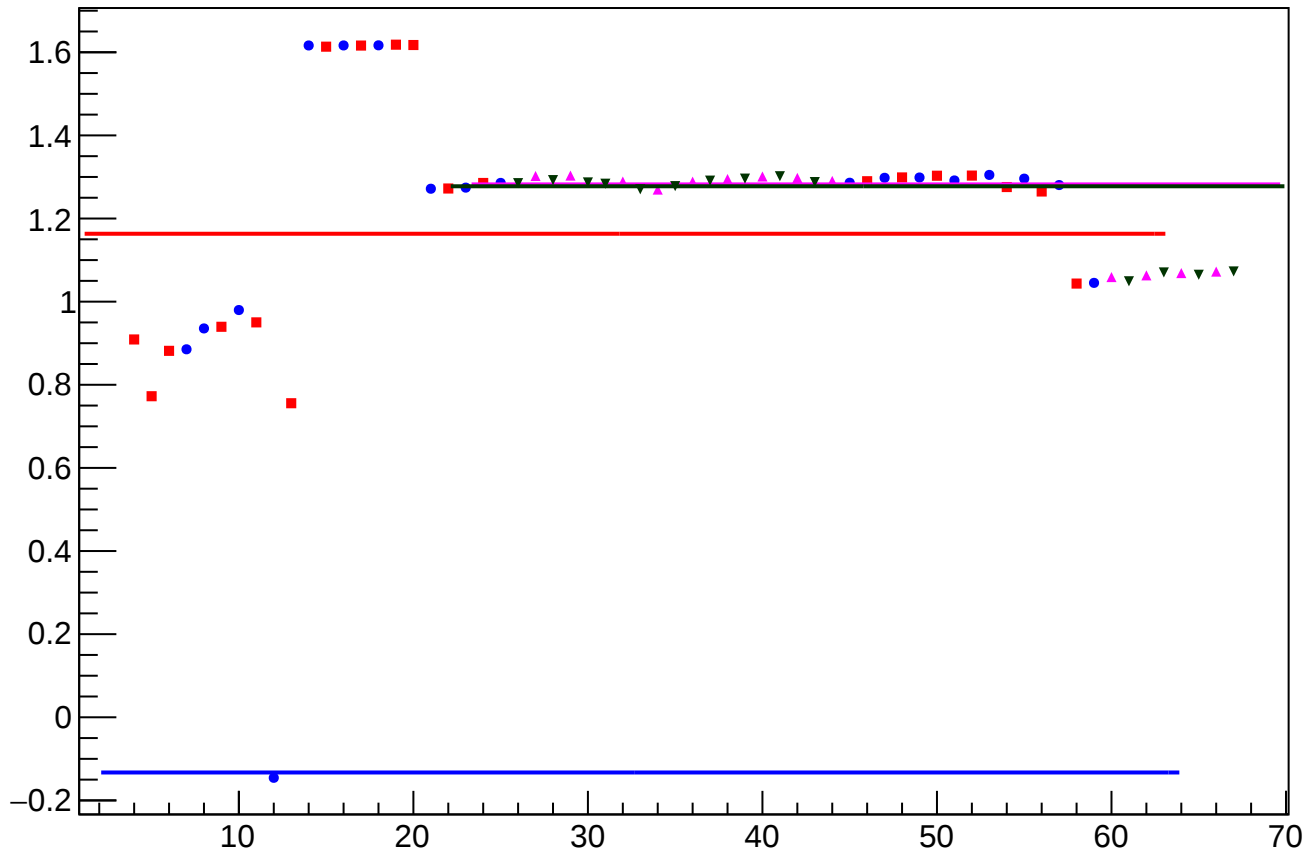
Right Out: 0.018+/-0.000 χ^2/NDF : 2422437.2/18

Left In: 0.021+/-0.000 χ^2/NDF :1647291.8/12

0.000+/-0.000 χ^2/NDF : 33381815.6/31

0.019+/-0.000 χ^2/NDF : 4251944.5/31

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

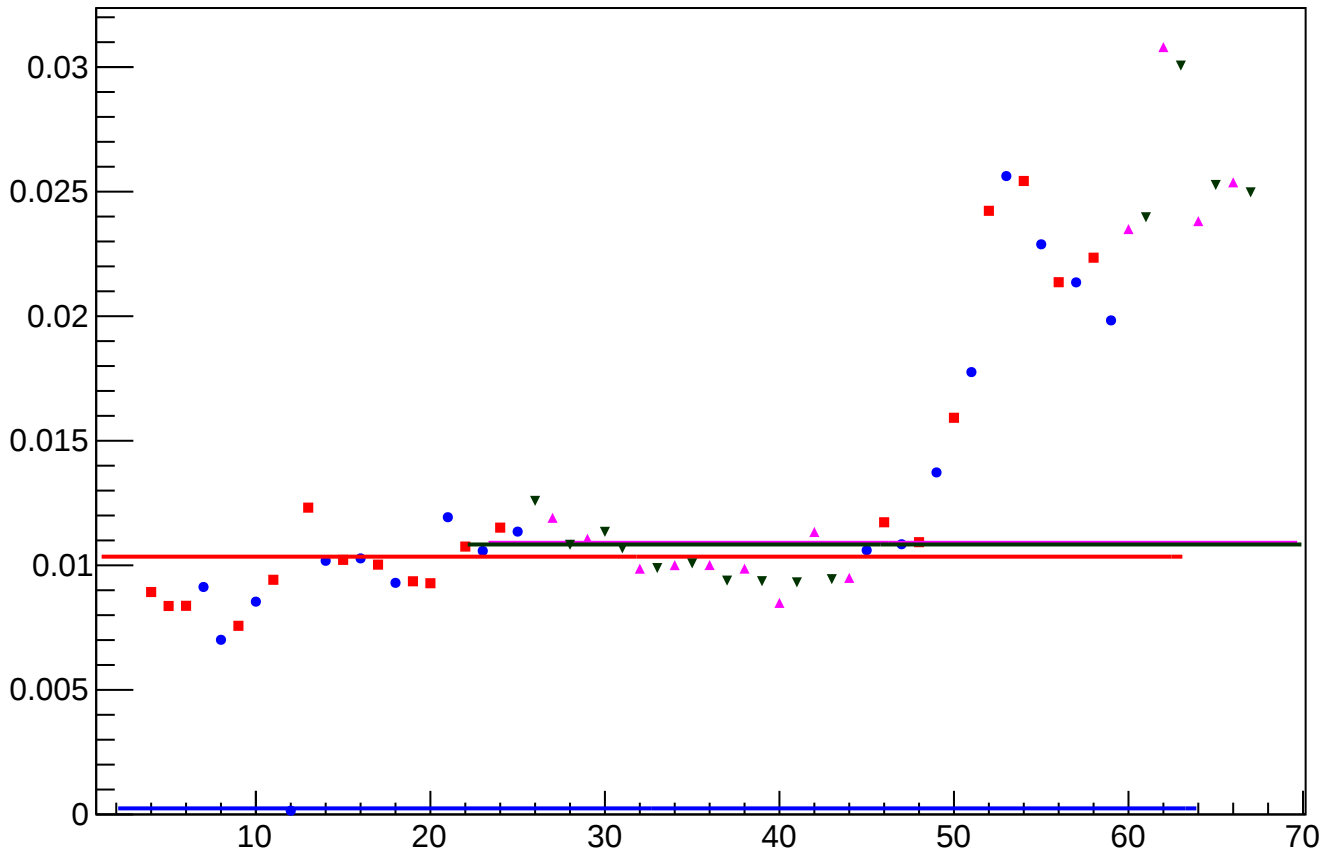
-0.125+/-0.000 χ^2/NDF : 273639029187.7/31

Right Out: 1.163+/-0.000 χ^2/NDF : 7253036603.9/18

1.212+/-0.000 χ^2/NDF : 7848975599.0/31

Left In: 1.282+/-0.000 χ^2/NDF :137658739.0/12

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

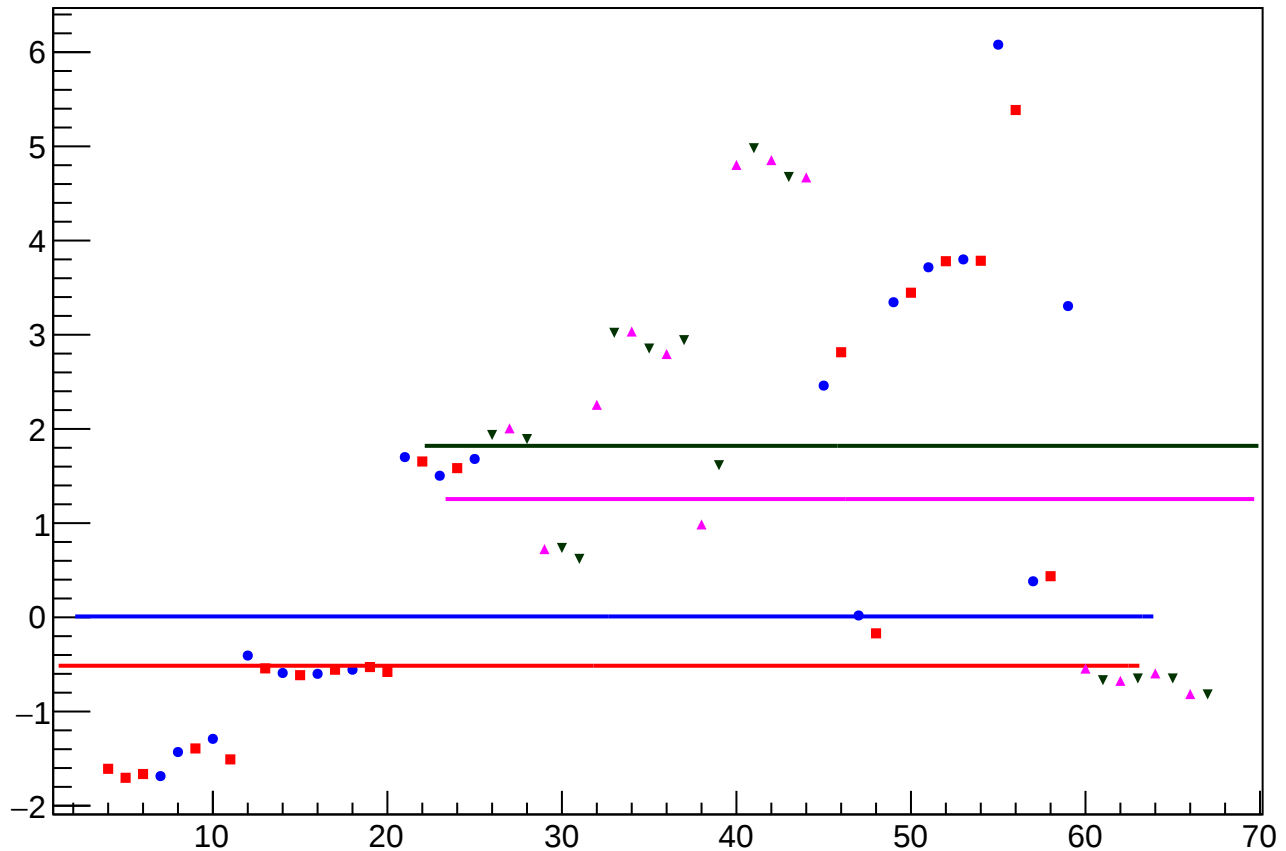
Right Out: 0.010+/-0.000 χ^2/NDF : 1619353.0/18

Left In: 0.011+/-0.000 χ^2/NDF : 1310695.1/12

0.000+/-0.000 χ^2/NDF : 32258982.4/31

0.011+/-0.000 χ^2/NDF : 2950184.3/31

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

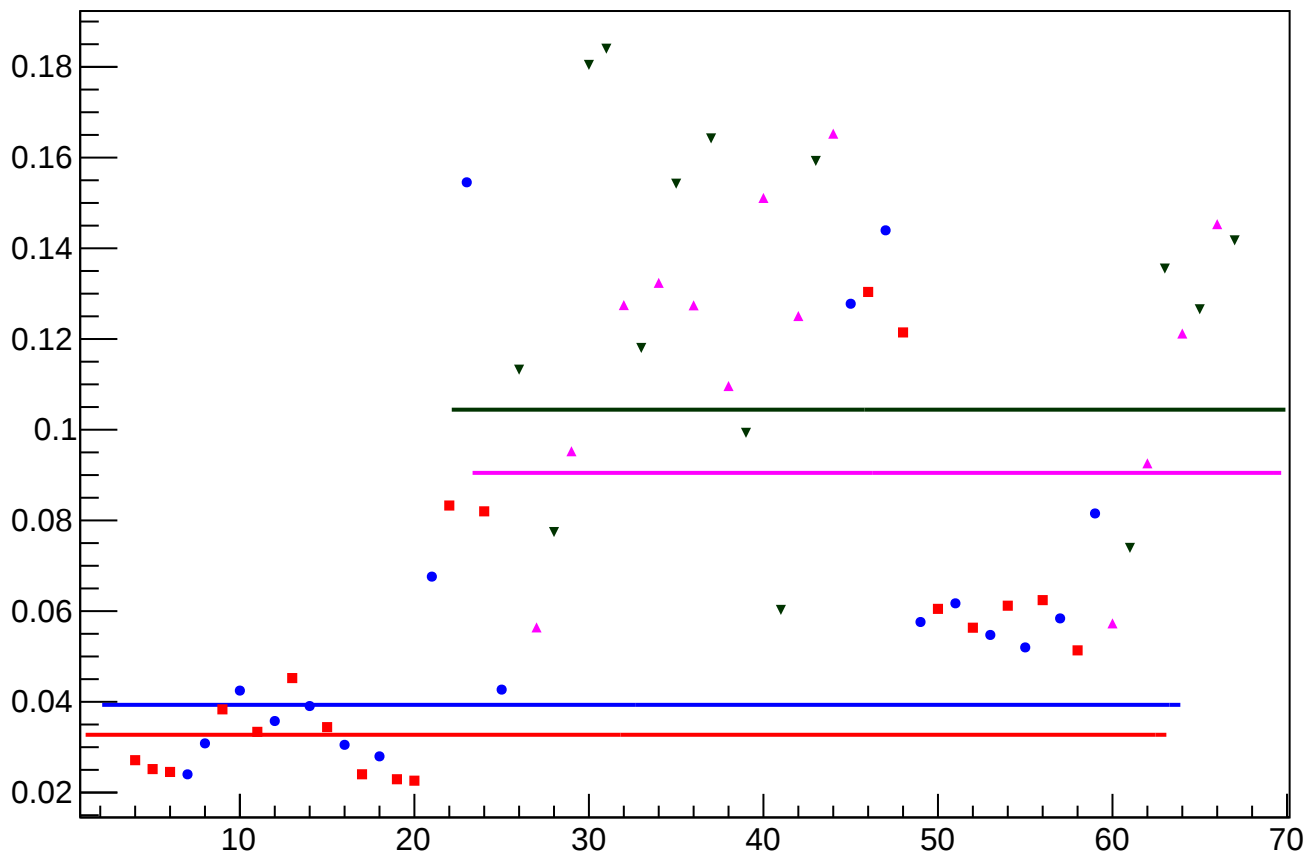
0.173+/-0.000 χ^2/NDF : 21554135545.4/31

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

-0.344+/-0.000 χ^2/NDF : 18227235901.8/31

Left In: 1.256+/-0.000 χ^2/NDF : 1909576873.4/12

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

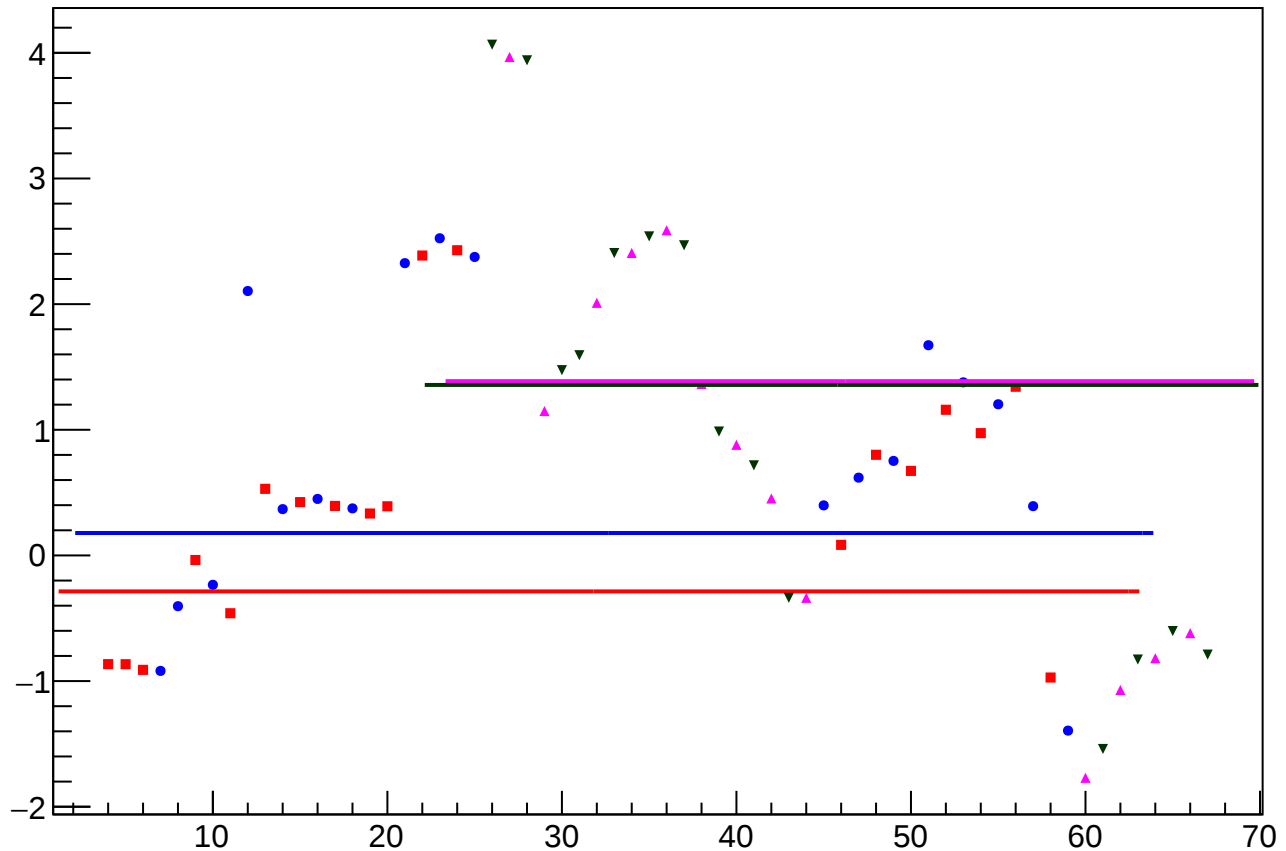
Right Out: 0.033+/-0.000 χ^2/NDF : 2838022.5/18

Left In: 0.090+/-0.000 χ^2/NDF :1599654.2/12

0.045+/-0.000 χ^2/NDF : 8053735.9/31

0.038+/-0.000 χ^2/NDF : 8364135.4/31

yield_bpm1Y_mean vs slug



Right In: 0.178 $\pm$ 0.000 χ^2 /NDF: 9482704623.3/17

Left Out: 1.357 $\pm$ 0.000 χ^2 /NDF: 3552838852.5/13

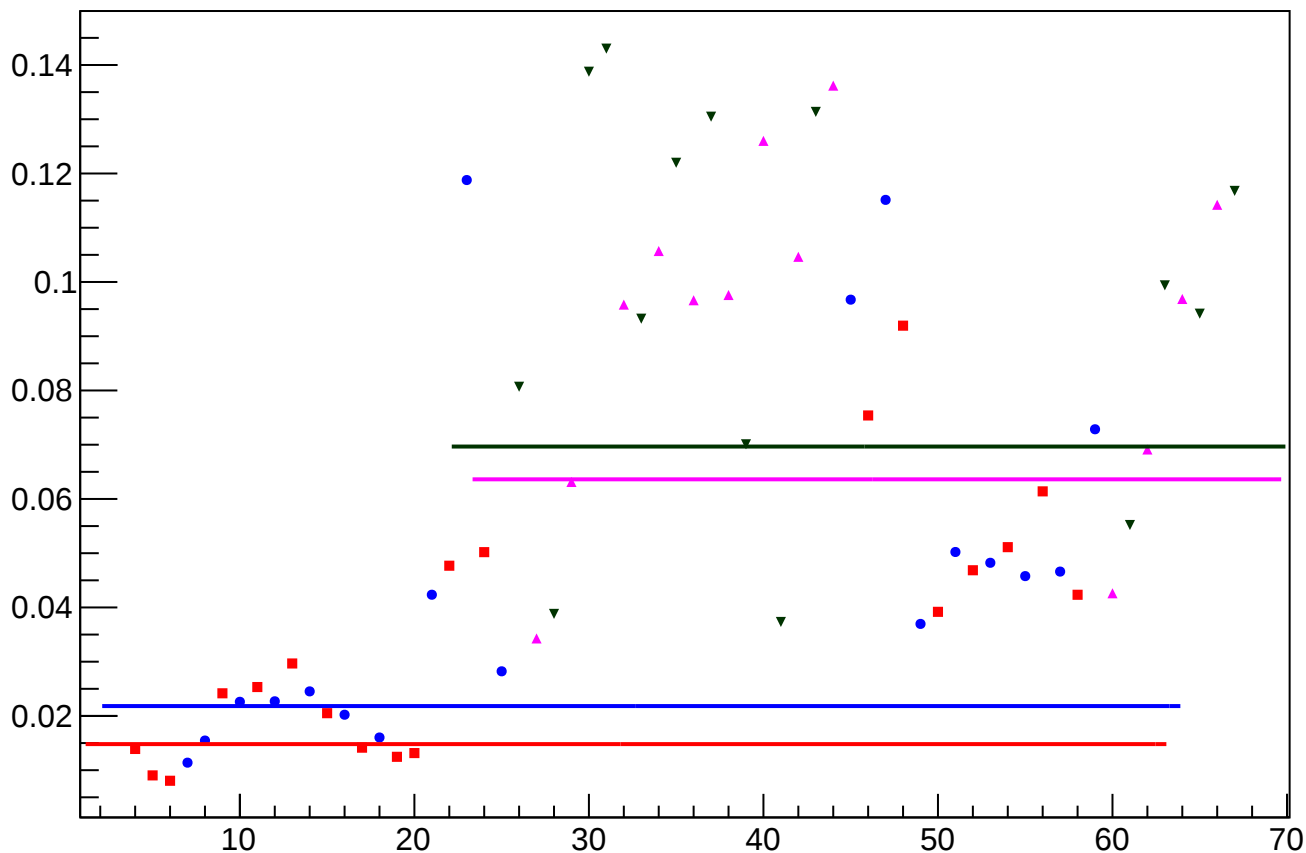
0.259 $\pm$ 0.000 χ^2 /NDF: 14215685713.7/31

Right Out: -0.286 $\pm$ 0.000 χ^2 /NDF: 10734675455.5/18

-0.200 $\pm$ 0.000 χ^2 /NDF: 19732621094.1/31

Left In: 1.387 $\pm$ 0.000 χ^2 /NDF: 5854407153.1/12

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

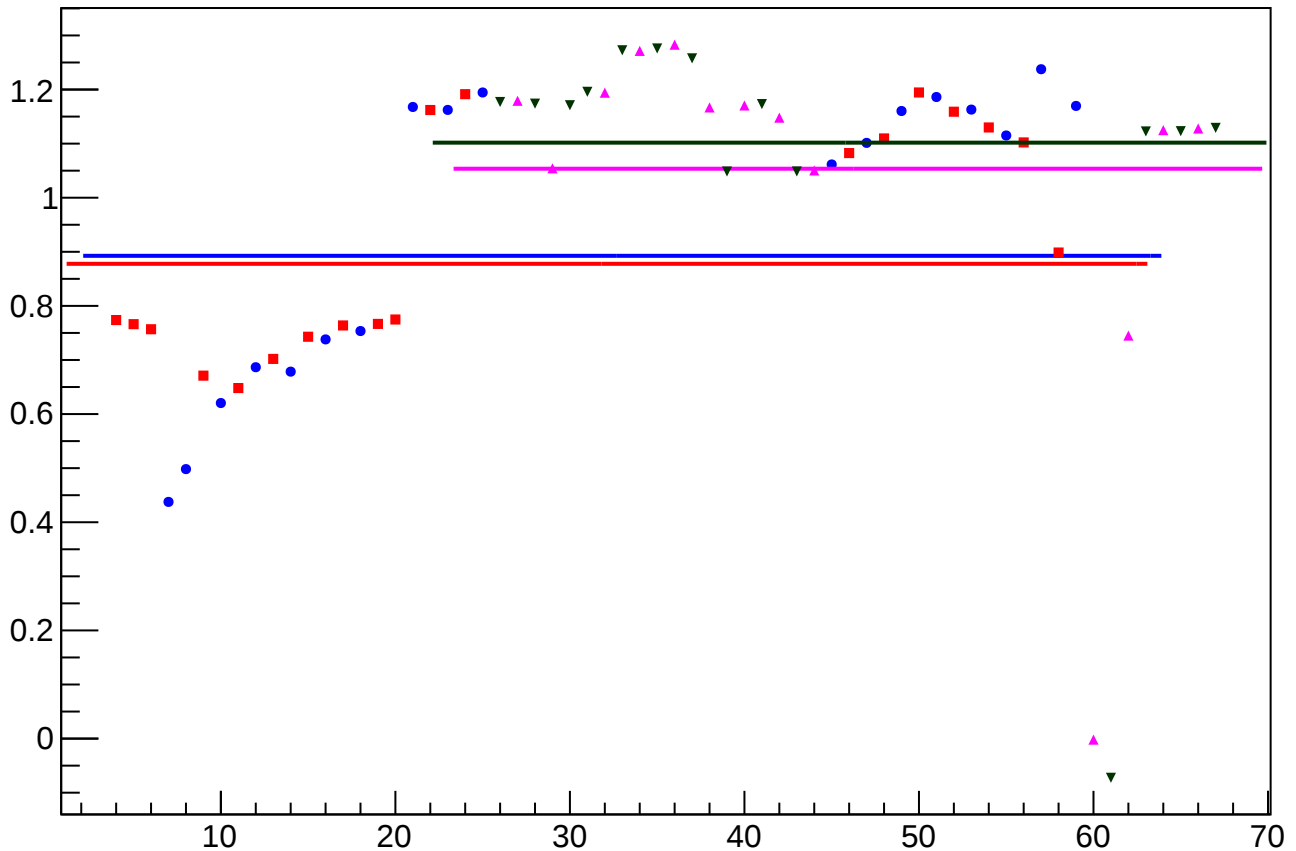
Right Out: 0.015 ± 0.000 χ^2/NDF : 4938559.5/18

Left In: 0.064 ± 0.000 χ^2/NDF : 2294250.1/12

0.025 ± 0.000 χ^2/NDF : 10692698.6/31

0.017 ± 0.000 χ^2/NDF : 12583083.3/31

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

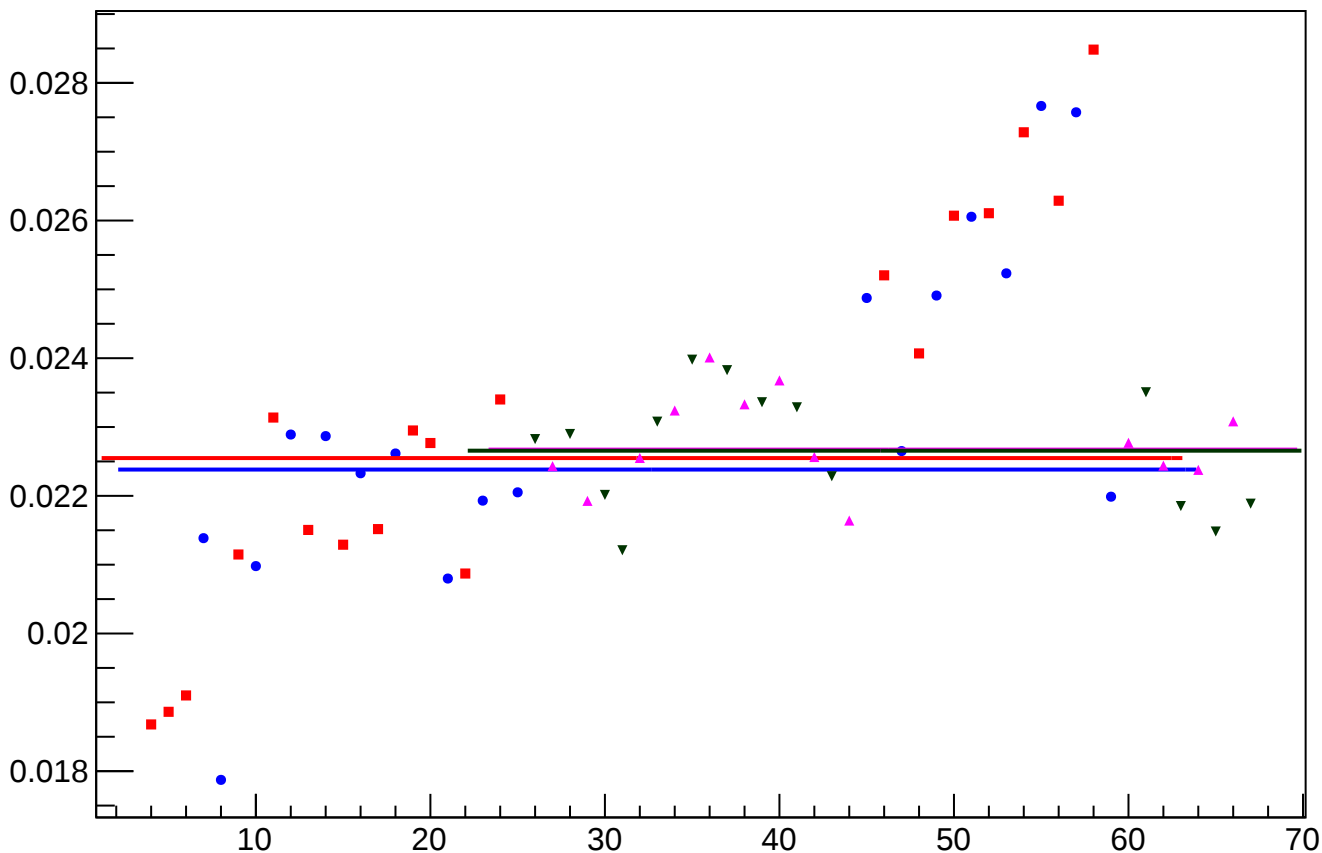
Right Out: 0.878+/-0.000 χ^2/NDF : 761495098.5/18

Left In: 1.054+/-0.000 χ^2/NDF :1332582924.3/12

0.974+/-0.000 χ^2/NDF : 3059122958.8/31

0.955+/-0.000 χ^2/NDF : 2345759208.3/31

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

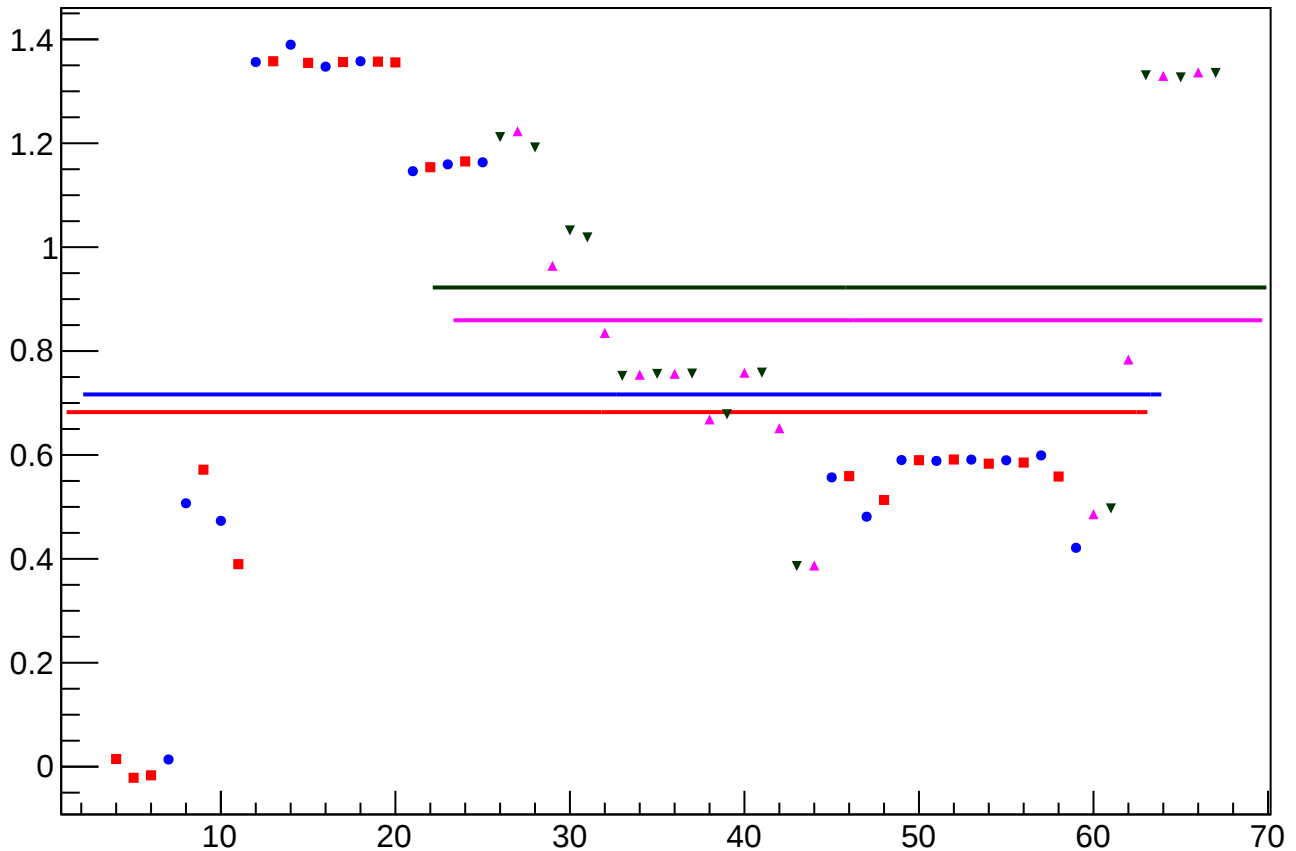
Right Out: 0.023+/-0.000 χ^2/NDF : 246194.4/18

Left In: 0.023+/-0.000 χ^2/NDF :11060.6/12

0.022+/-0.000 χ^2/NDF : 284990.5/31

0.023+/-0.000 χ^2/NDF : 257502.8/31

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

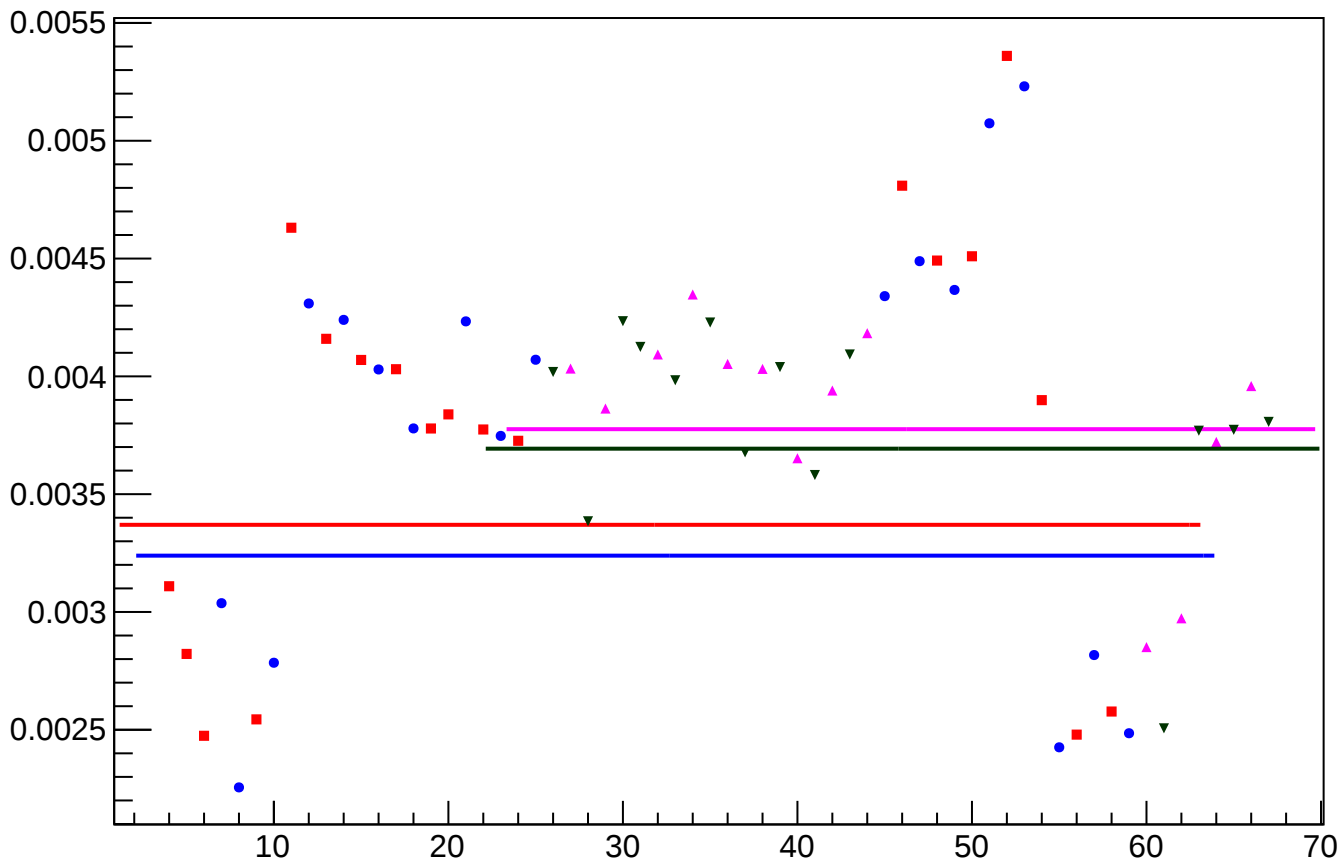
0.788 $\pm$ 0.000 χ^2 /NDF: 194583359596.5/31

Right Out: 0.682 $\pm$ 0.000 χ^2 /NDF: 168328456976.2/18

0.752 $\pm$ 0.000 χ^2 /NDF: 218619211735.9/31

Left In: 0.859 $\pm$ 0.000 χ^2 /NDF:40614915175.9/12

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

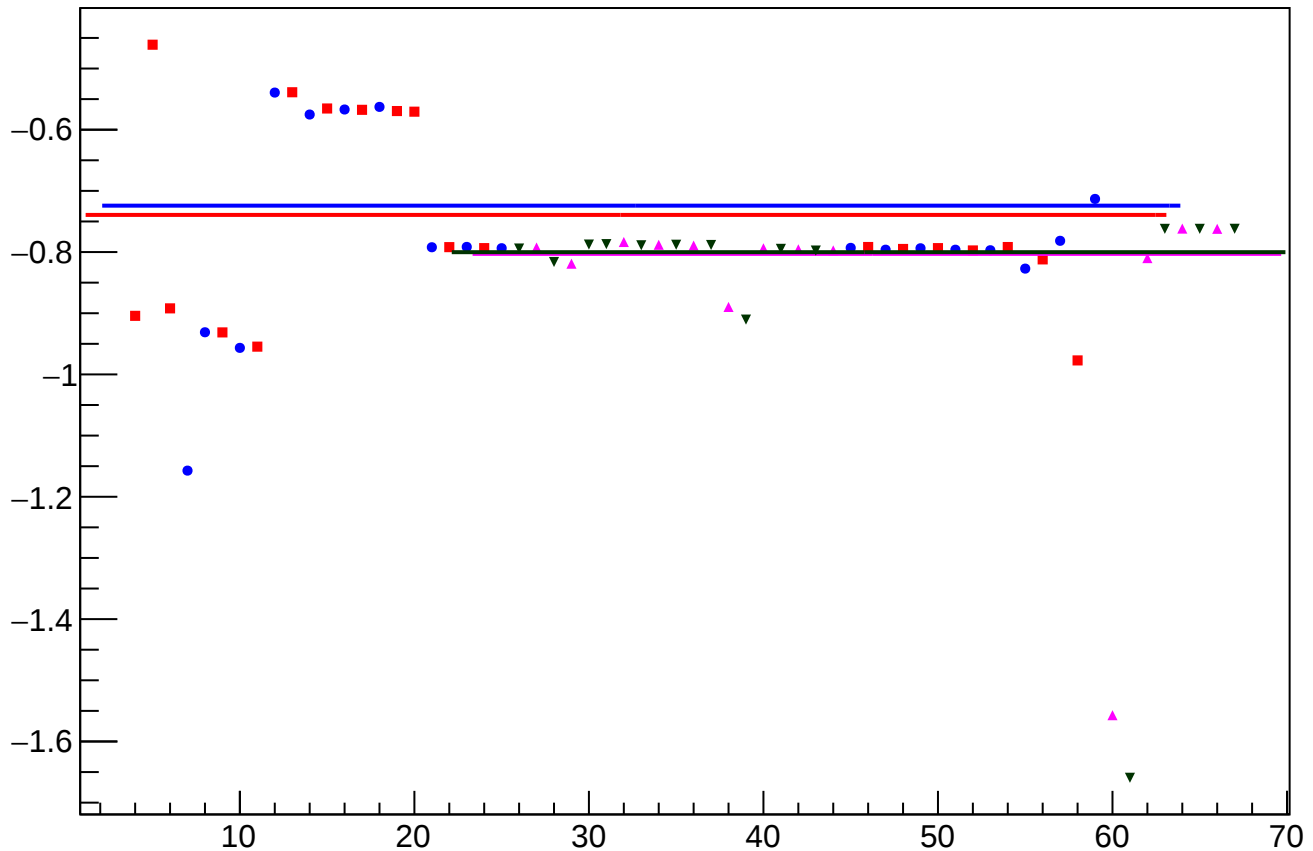
Right Out: 0.003+/-0.000 χ^2/NDF : 1158167.7/18

Left In: 0.004+/-0.000 χ^2/NDF : 201890.7/12

0.003+/-0.000 χ^2/NDF : 1934061.1/31

0.004+/-0.000 χ^2/NDF : 1462037.0/31

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

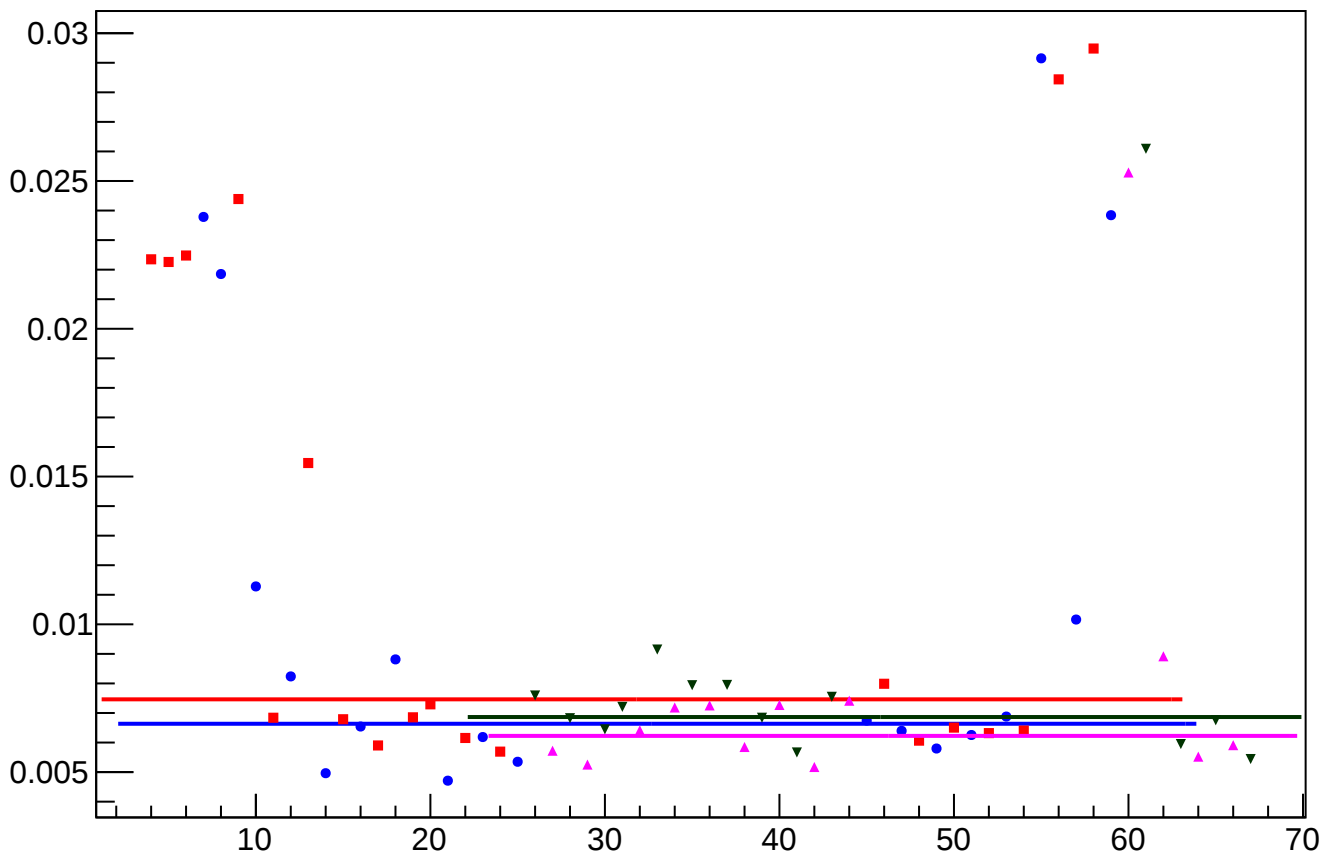
-0.755+/-0.000 χ^2 /NDF: 3233287129.4/31

Right Out: -0.739+/-0.000 χ^2 /NDF: 1945829237.2/18

-0.774+/-0.000 χ^2 /NDF: 2797044221.7/31

Left In: -0.803+/-0.000 χ^2 /NDF: 600251271.9/12

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

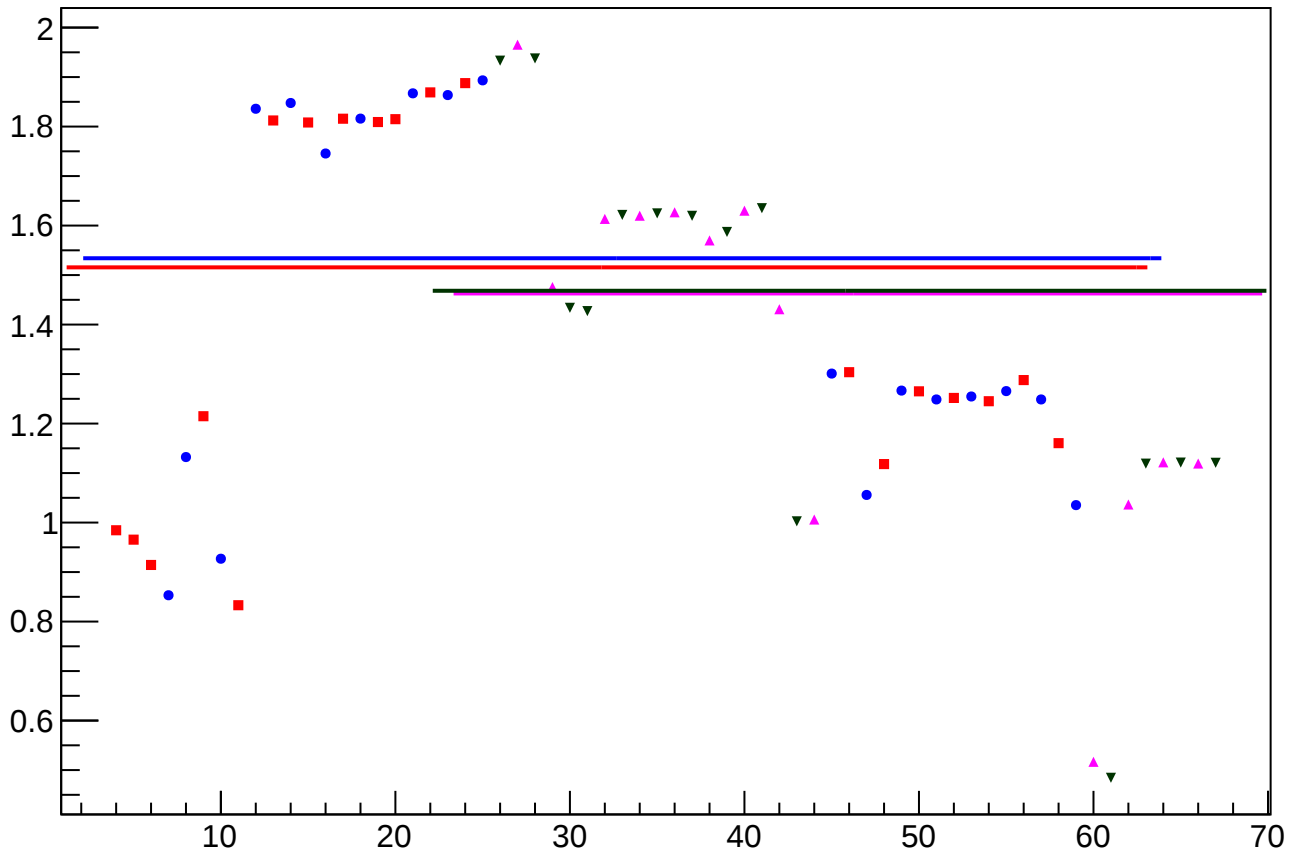
Right Out: 0.007+/-0.000 χ^2/NDF : 3478880.3/18

Left In: 0.006+/-0.000 χ^2/NDF :812897.9/12

0.007+/-0.000 χ^2/NDF : 3998448.1/31

0.007+/-0.000 χ^2/NDF : 4480544.2/31

yield_bpm12Y_mean vs slug



Right In: 1.534 $\pm$ 0.000 χ^2 /NDF: 22395382646.2/17

Left Out: 1.468 $\pm$ 0.000 χ^2 /NDF: 15076349380.2/13

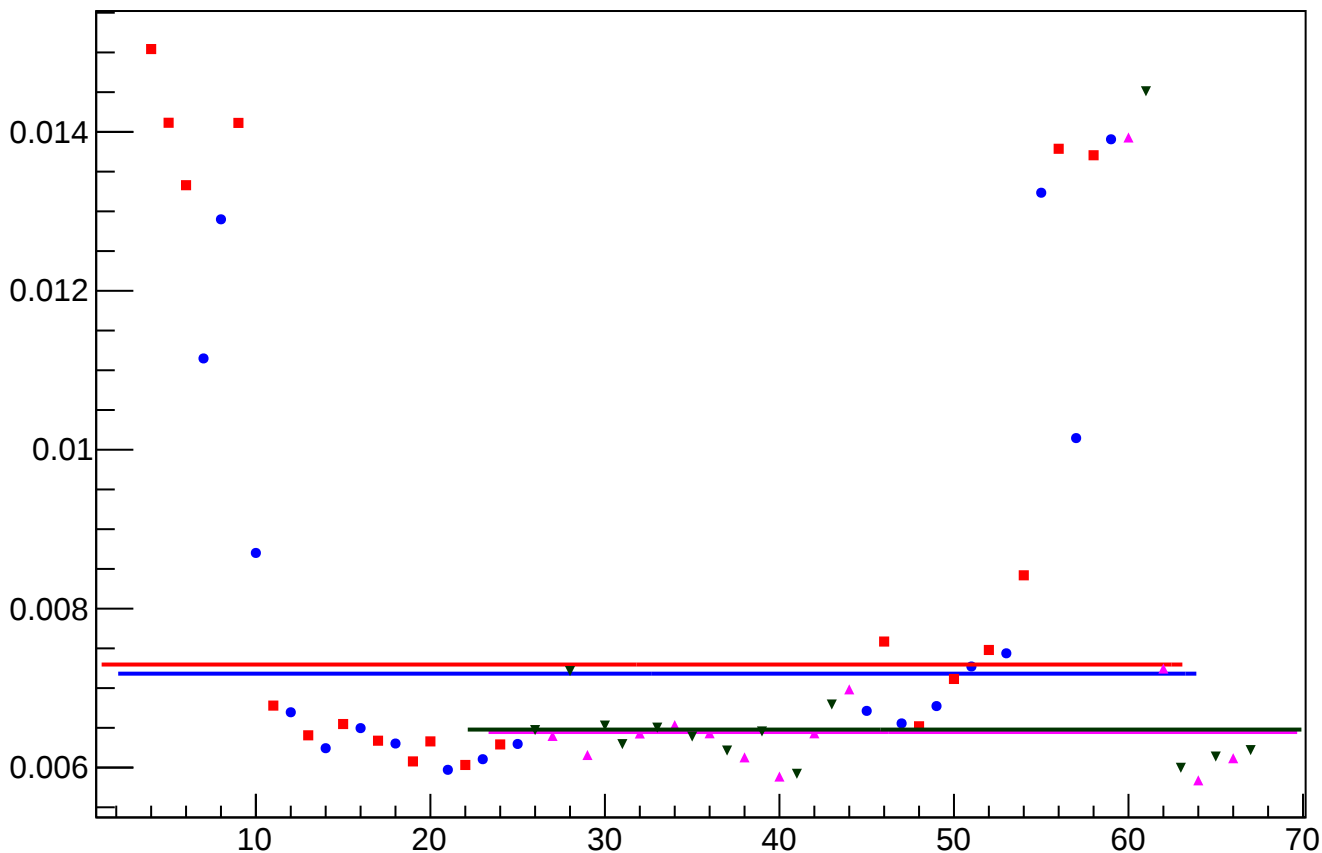
1.504 $\pm$ 0.000 χ^2 /NDF: 37843114473.1/31

Right Out: 1.516 $\pm$ 0.000 χ^2 /NDF: 21754735470.0/18

1.489 $\pm$ 0.000 χ^2 /NDF: 37431421882.3/31

Left In: 1.463 $\pm$ 0.000 χ^2 /NDF: 15450990891.8/12

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

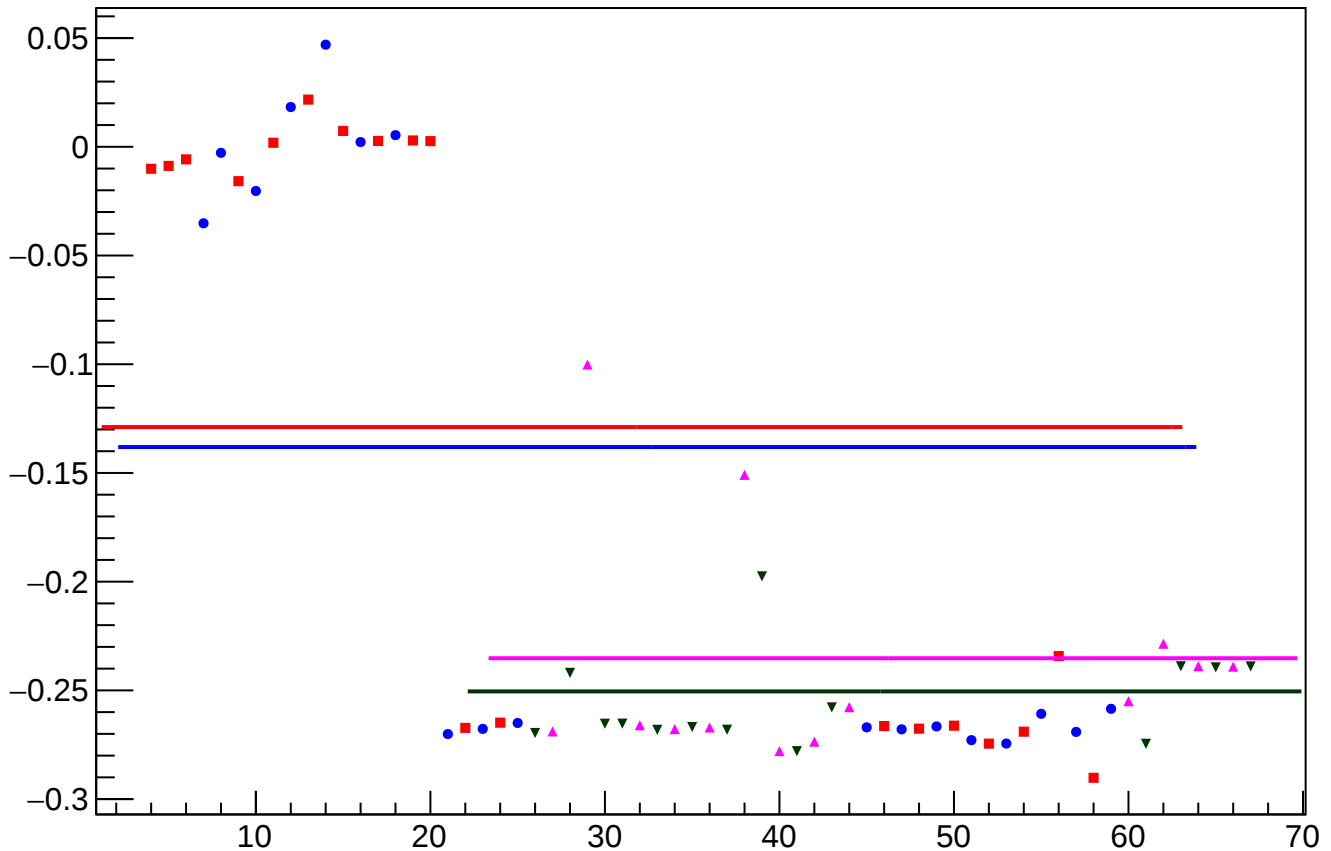
Right Out: 0.007+/-0.000 χ^2/NDF : 1457854.6/18

Left In: 0.006+/-0.000 χ^2/NDF : 334176.8/12

0.007+/-0.000 χ^2/NDF : 1683757.0/31

0.007+/-0.000 χ^2/NDF : 1909269.0/31

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

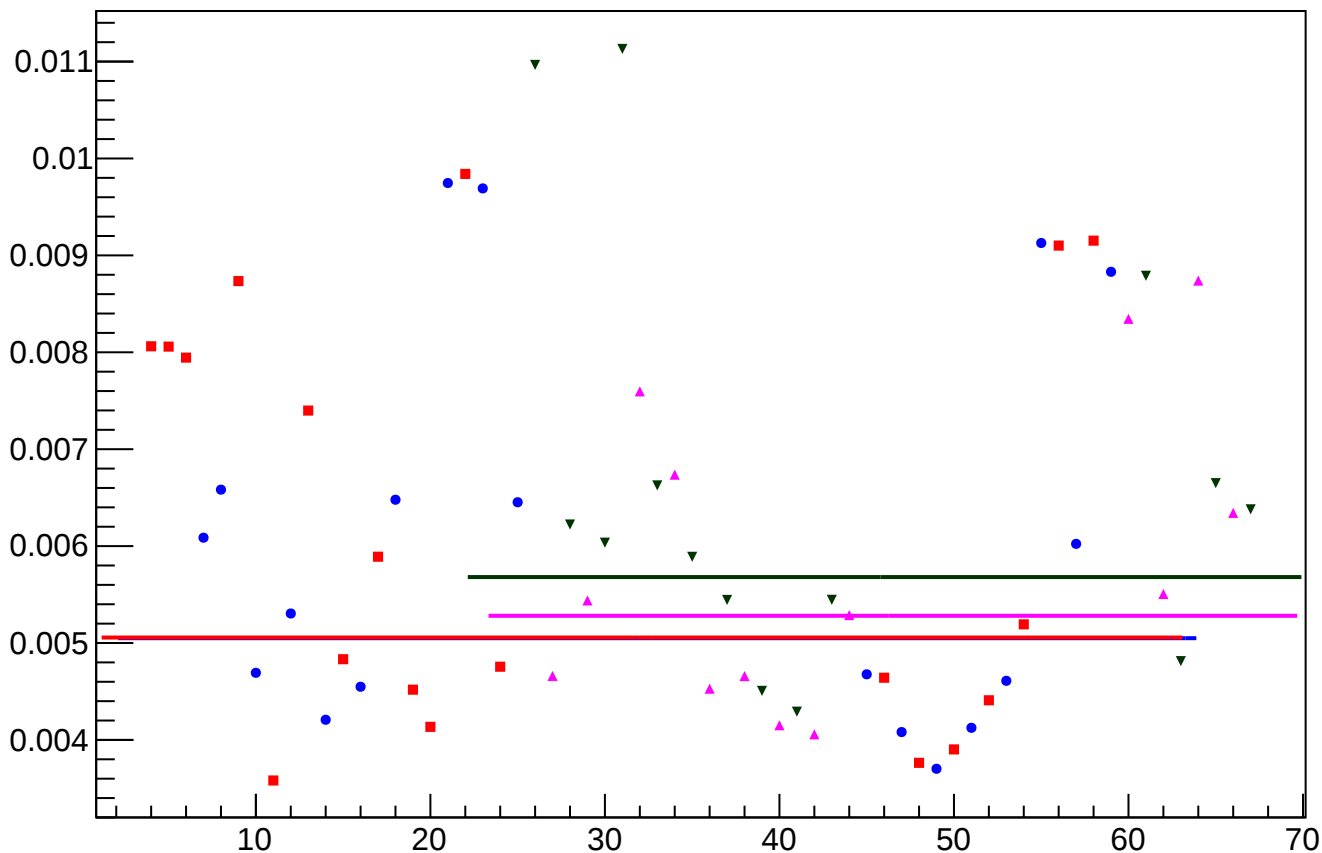
-0.177+/-0.000 χ^2/NDF : 9001224961.8/31

Right Out: -0.129+/-0.000 χ^2/NDF : 5878929515.5/18

-0.174+/-0.000 χ^2/NDF : 8201897895.9/31

Left In: -0.235+/-0.000 χ^2/NDF : 791074736.6/12

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

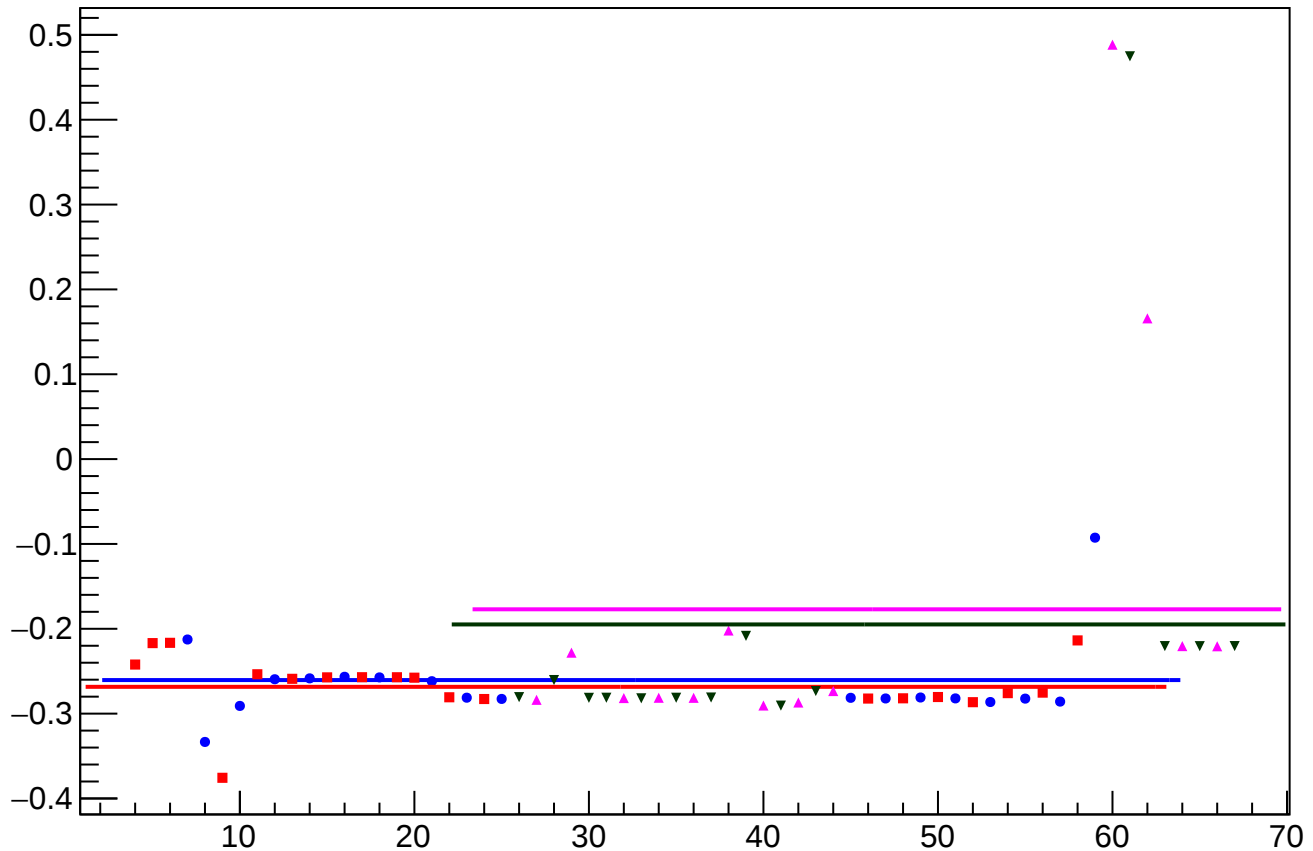
Right Out: 0.005+/-0.000 χ^2/NDF : 1822469.4/18

Left In: 0.005+/-0.000 χ^2/NDF : 723608.8/12

0.005+/-0.000 χ^2/NDF : 2536623.6/31

0.005+/-0.000 χ^2/NDF : 2559717.7/31

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

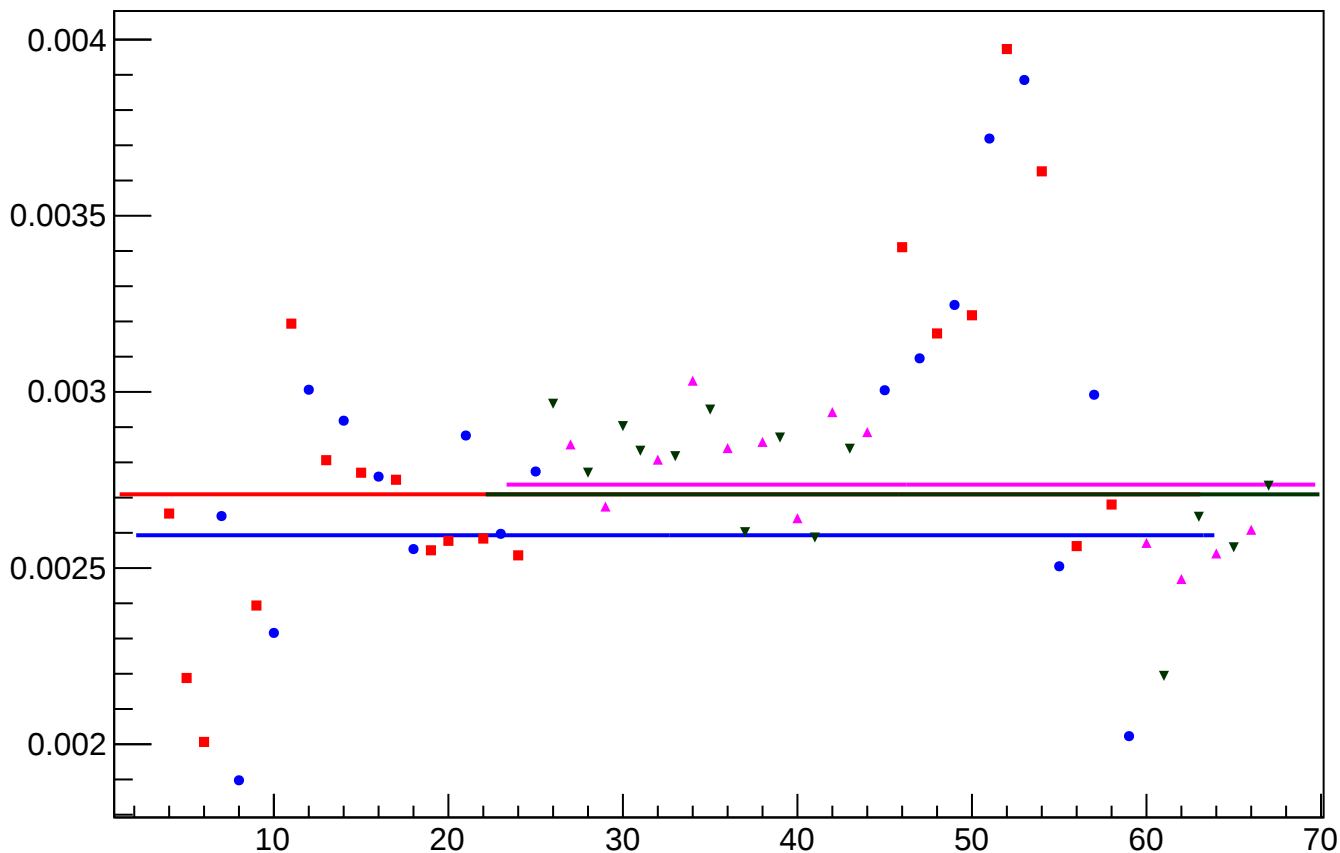
Right Out: -0.268+/-0.000 χ^2/NDF : 2185355194.4/18

Left In: -0.177+/-0.000 χ^2/NDF : 43882670558.7/12

-0.236+/-0.000 χ^2/NDF : 51141430550.2/31

-0.229+/-0.000 χ^2/NDF : 50701809204.4/31

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

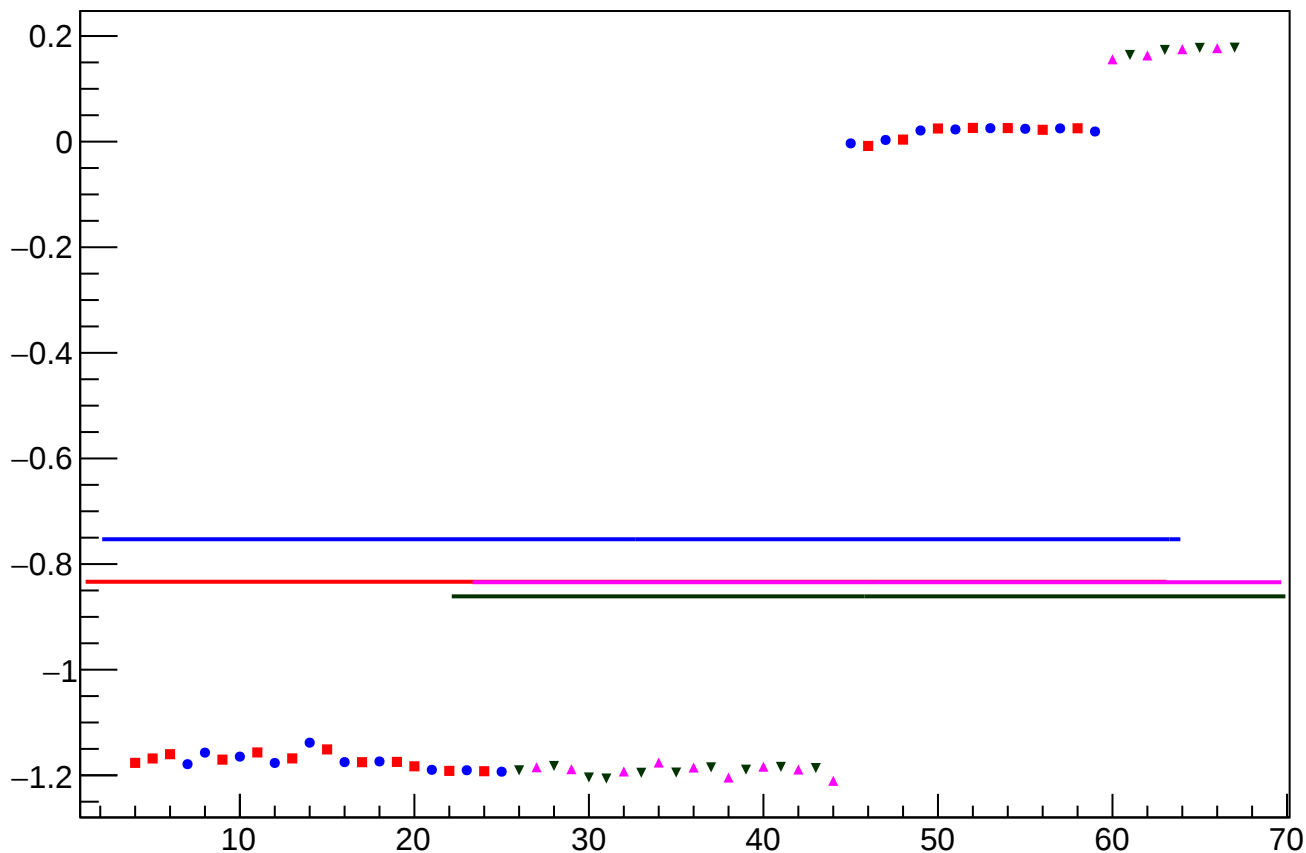
Right Out: 0.003+/-0.000 χ^2/NDF : 476230.4/18

Left In: 0.003+/-0.000 χ^2/NDF :48839.9/12

0.003+/-0.000 χ^2/NDF : 870383.1/31

0.003+/-0.000 χ^2/NDF : 525910.9/31

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

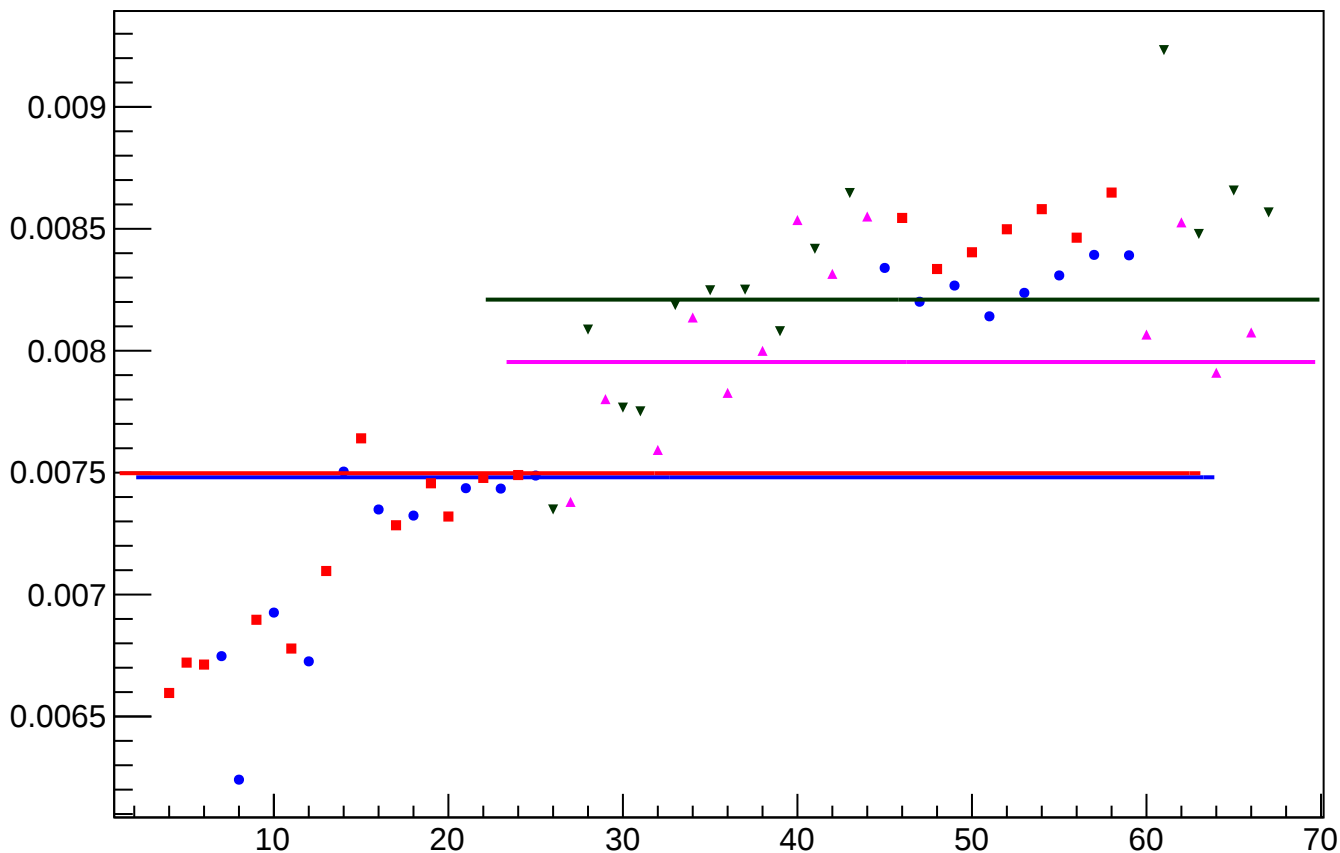
Right Out: -0.833+/-0.000 χ^2/NDF : 50332816661.3/18

Left In: -0.834+/-0.000 χ^2/NDF : 42814340345.0/12

-0.791+/-0.000 χ^2/NDF : 100808592860.7/31

-0.834+/-0.000 χ^2/NDF : 93147218179.9/31

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

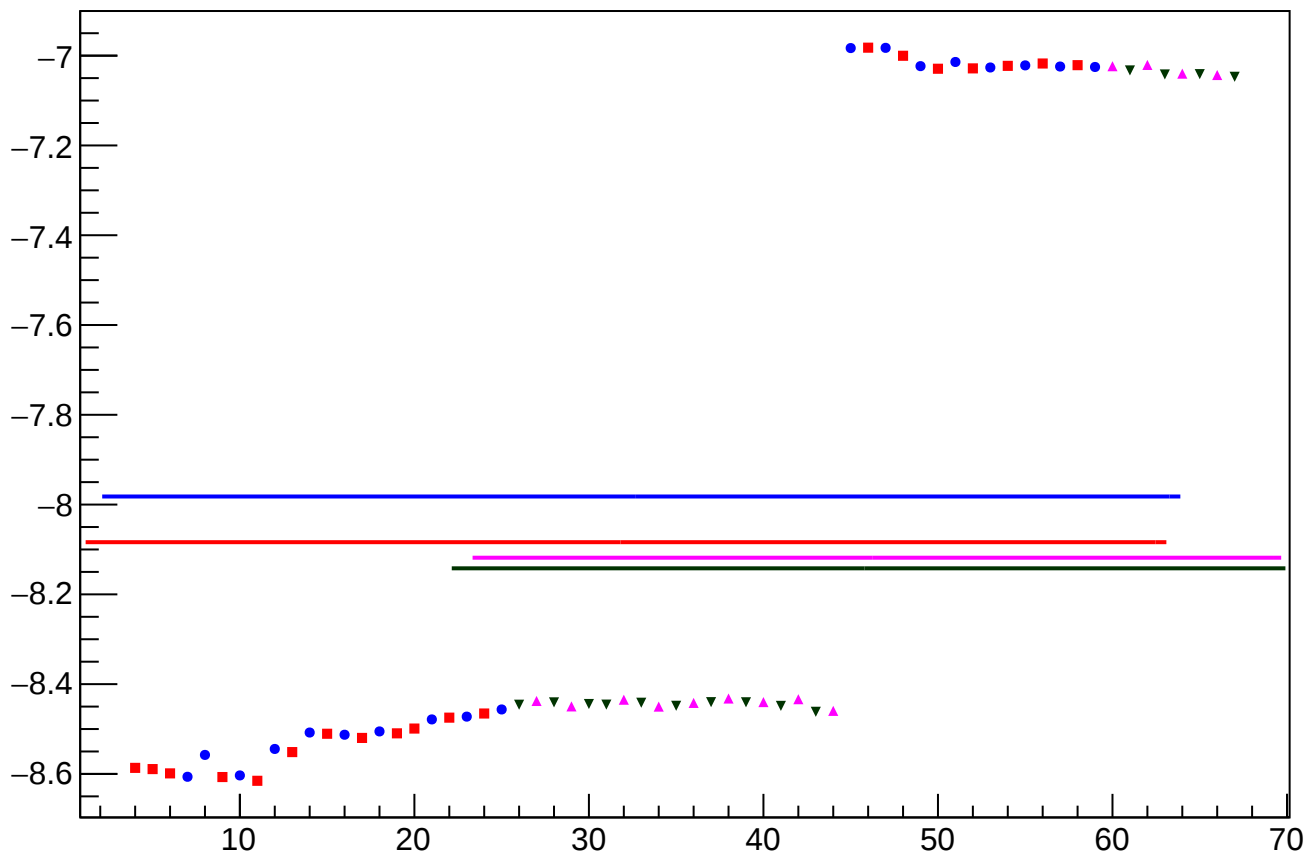
Right Out: 0.007+/-0.000 χ^2/NDF : 167417.2/18

Left In: 0.008+/-0.000 χ^2/NDF : 31523.1/12

0.008+/-0.000 χ^2/NDF : 308763.4/31

0.008+/-0.000 χ^2/NDF : 228574.9/31

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

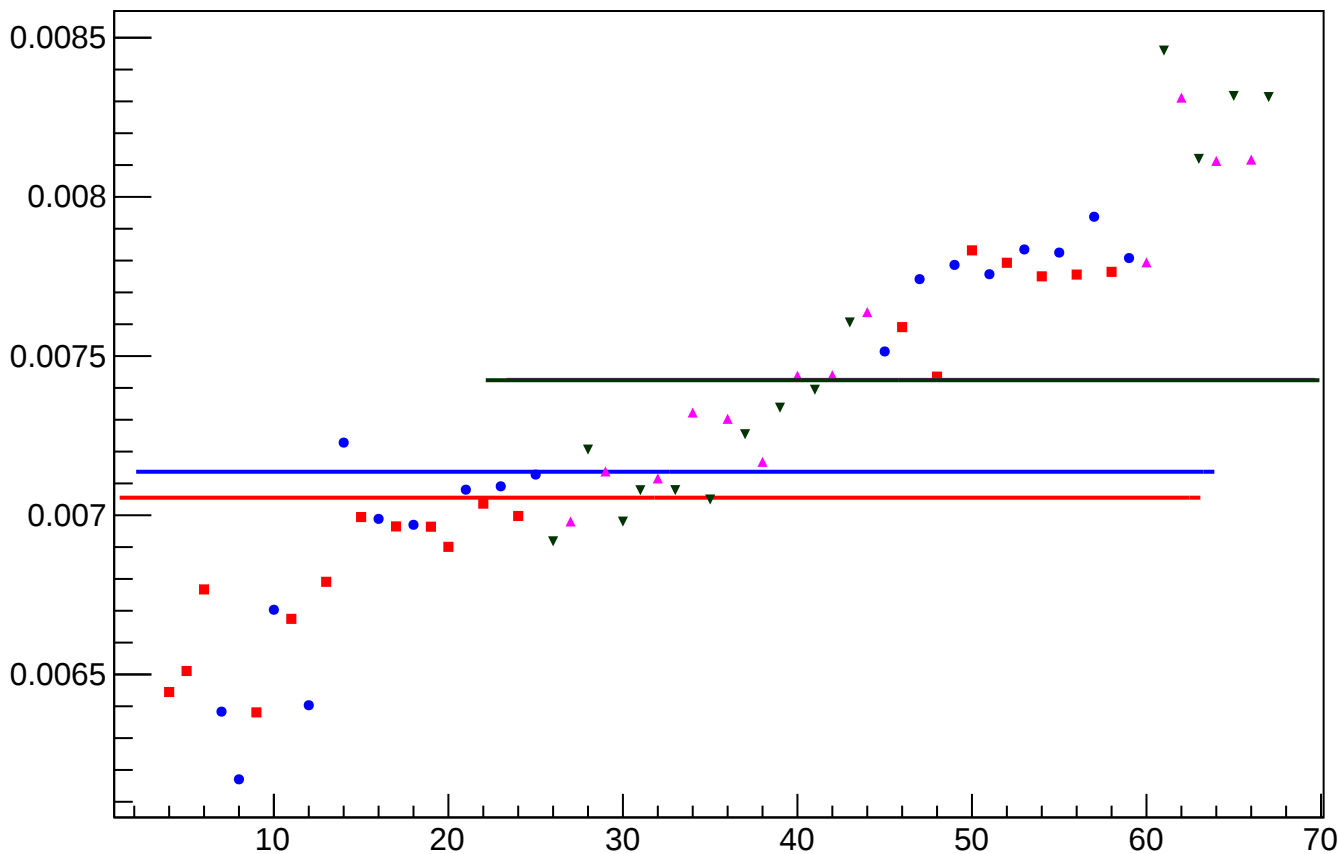
Right Out: -8.084+/-0.000 χ^2/NDF : 99506540389.5/18

Left In: -8.118+/-0.000 χ^2/NDF : 49084362230.2/12

-8.042+/-0.000 χ^2/NDF : 162803933511.1/31

-8.098+/-0.000 χ^2/NDF : 148689212501.5/31

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

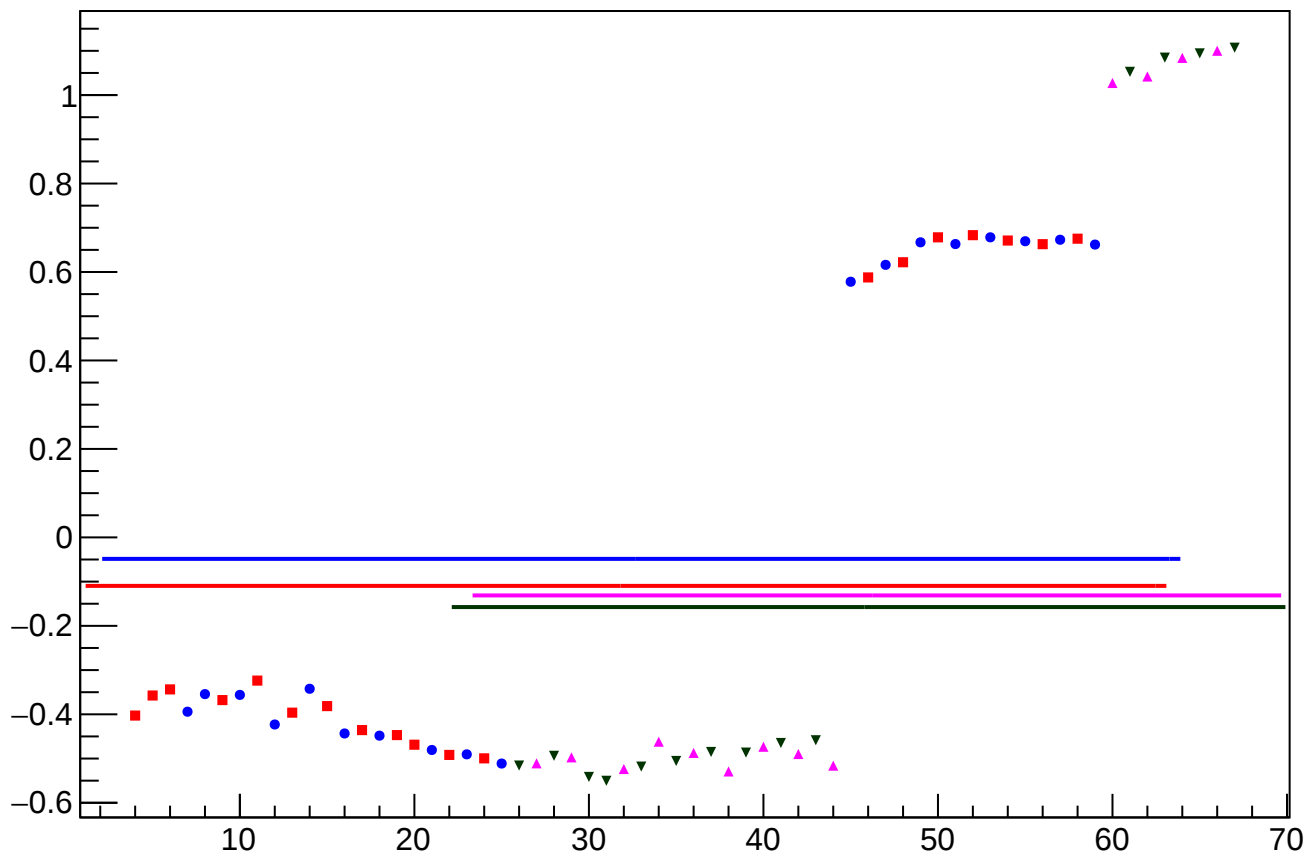
Right Out: 0.007+/-0.000 χ^2/NDF : 88863.4/18

Left In: 0.007+/-0.000 χ^2/NDF : 44502.5/12

0.007+/-0.000 χ^2/NDF : 218199.0/31

0.007+/-0.000 χ^2/NDF : 155875.3/31

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

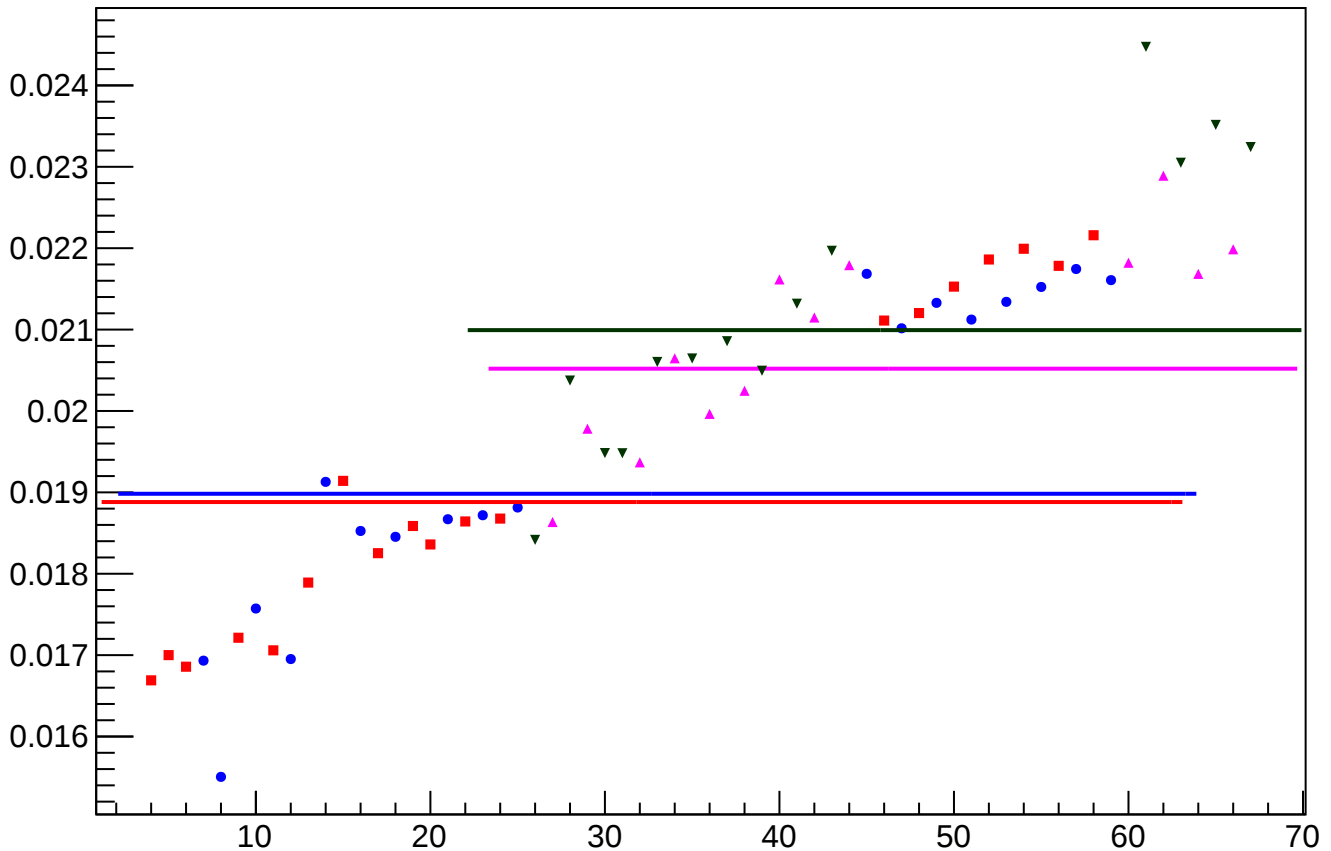
Right Out: -0.110+/-0.000 χ^2/NDF : 6259069670.0/18

Left In: -0.131+/-0.000 χ^2/NDF : 8019538079.4/12

-0.086+/-0.000 χ^2/NDF : 14935912903.7/31

-0.118+/-0.000 χ^2/NDF : 14283695227.5/31

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

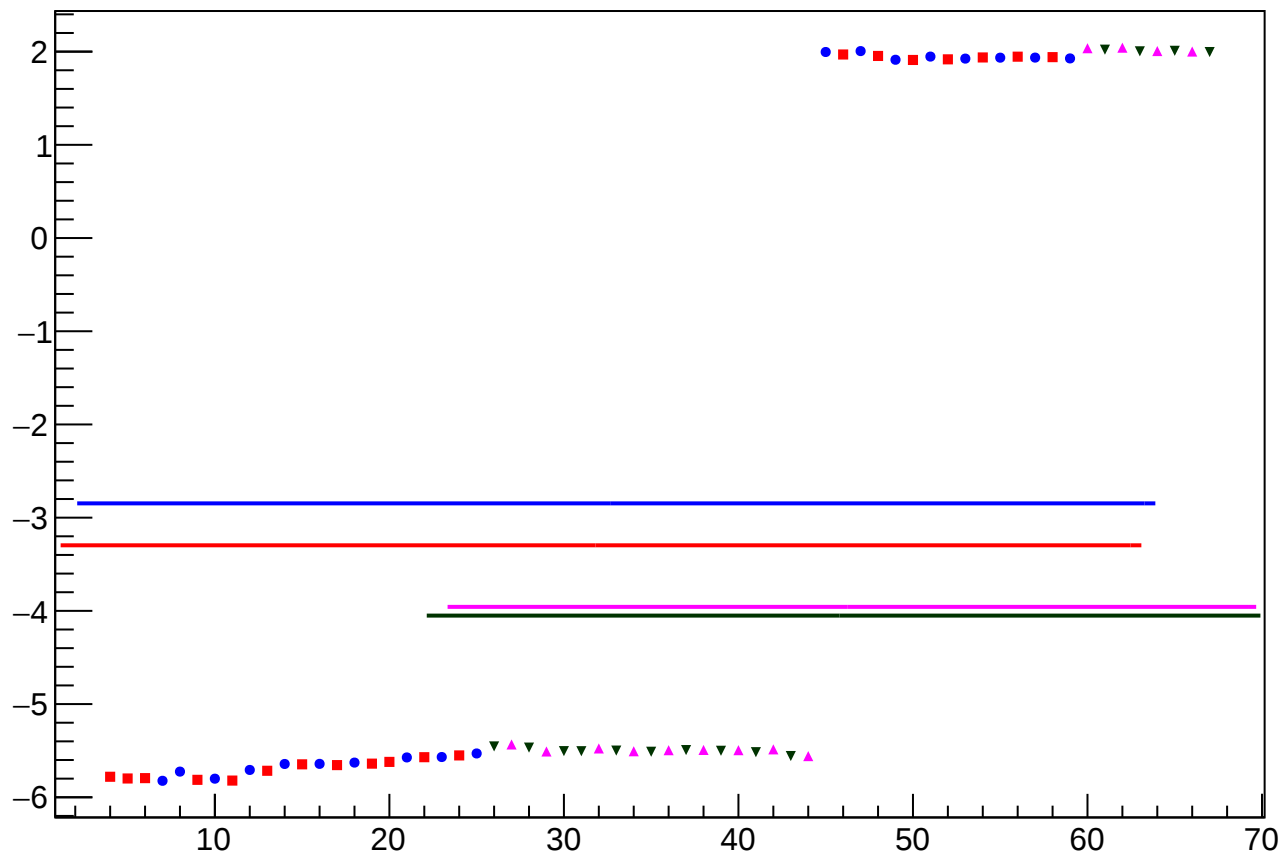
0.020 ± 0.000 χ^2/NDF : 422383.0/31

Right Out: 0.019 ± 0.000 χ^2/NDF : 190553.3/18

0.020 ± 0.000 χ^2/NDF : 304528.5/31

Left In: 0.021 ± 0.000 χ^2/NDF : 55355.4/12

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

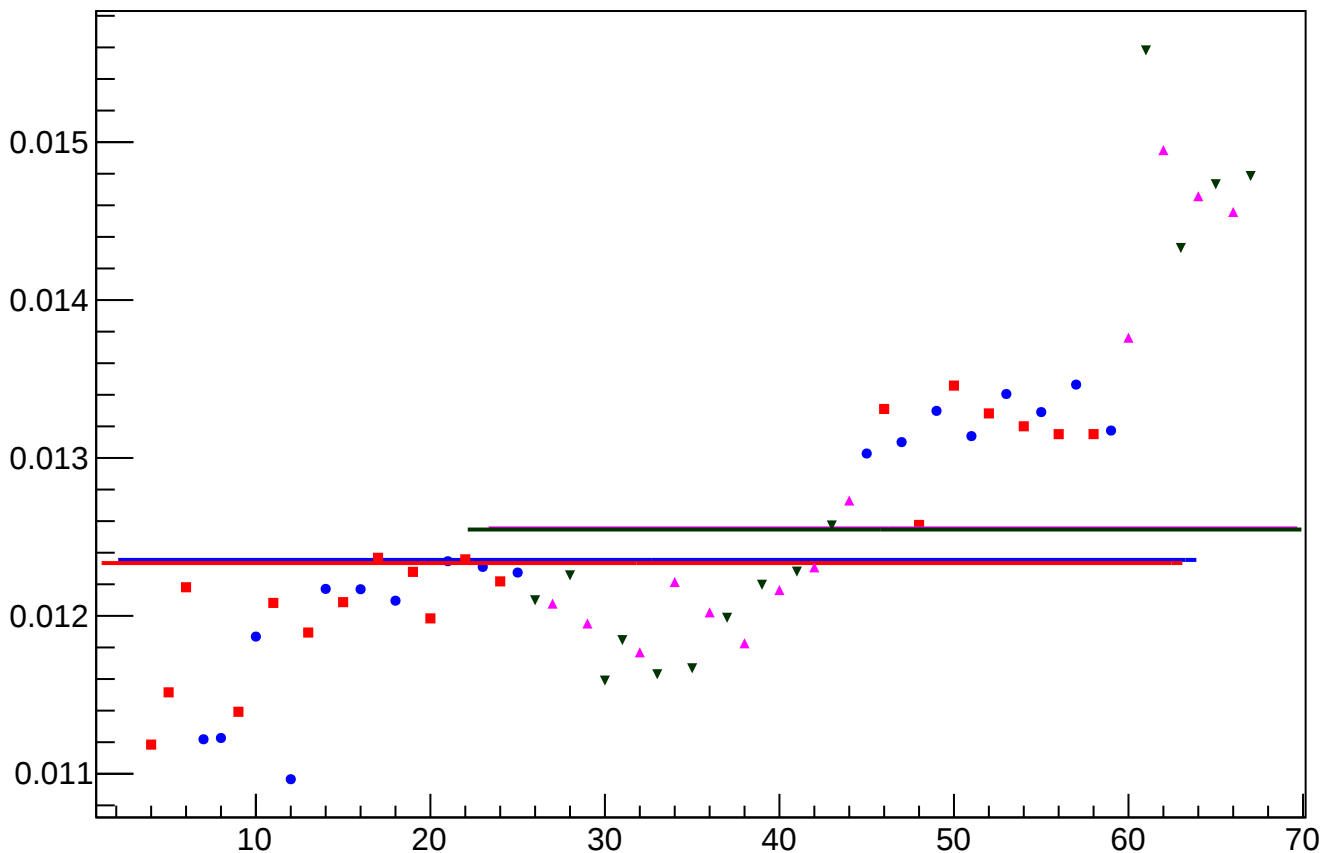
Right Out: -3.297+/-0.000 χ^2/NDF : 819050975647.4/18

Left In: -3.957+/-0.000 χ^2/NDF : 444928169730.6/12

-3.312+/-0.000 χ^2/NDF : 1432506296867.6/31

-3.579+/-0.000 χ^2/NDF : 1276095946179.3/31

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

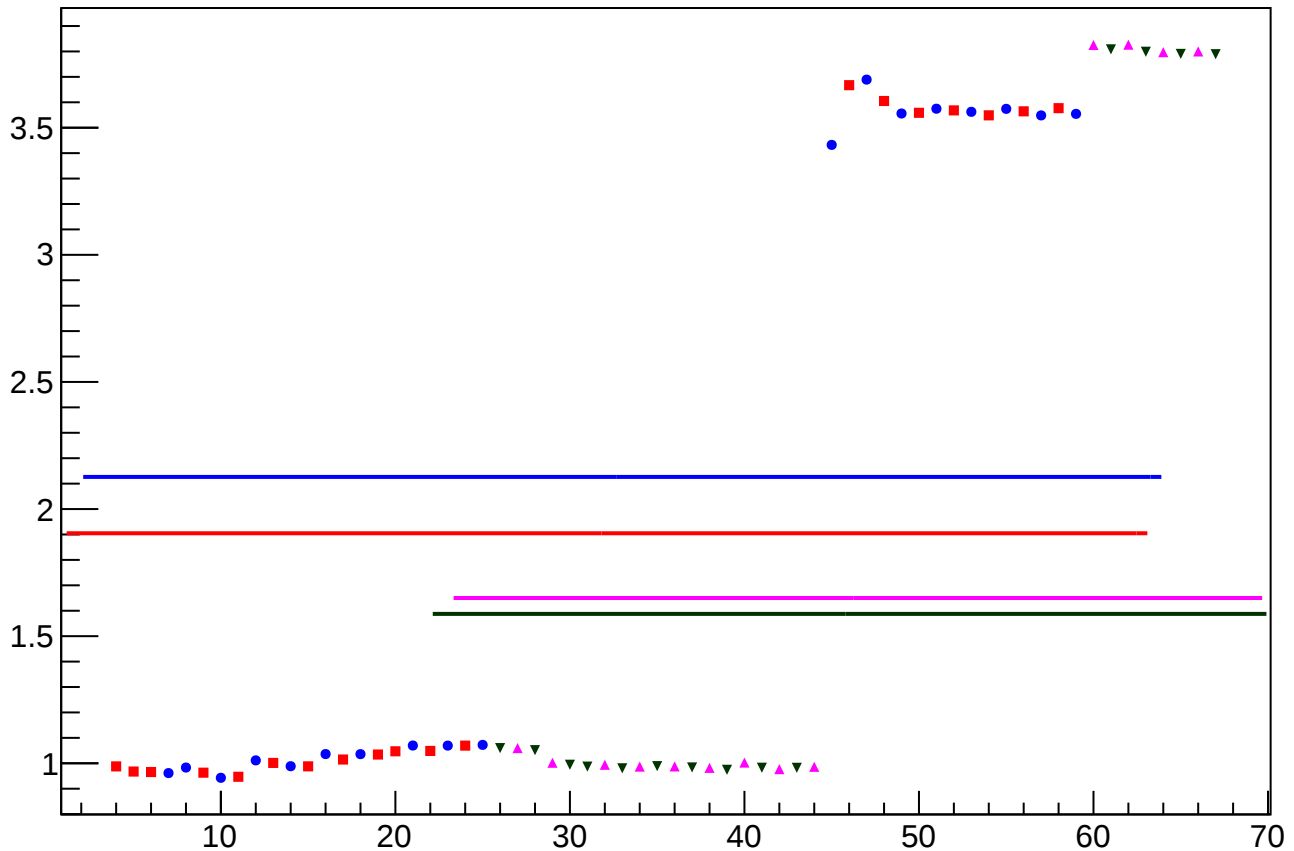
Right Out: 0.012+/-0.000 χ^2/NDF : 54886.5/18

Left In: 0.013+/-0.000 χ^2/NDF :97492.1/12

0.012+/-0.000 χ^2/NDF : 212594.4/31

0.012+/-0.000 χ^2/NDF : 155058.2/31

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

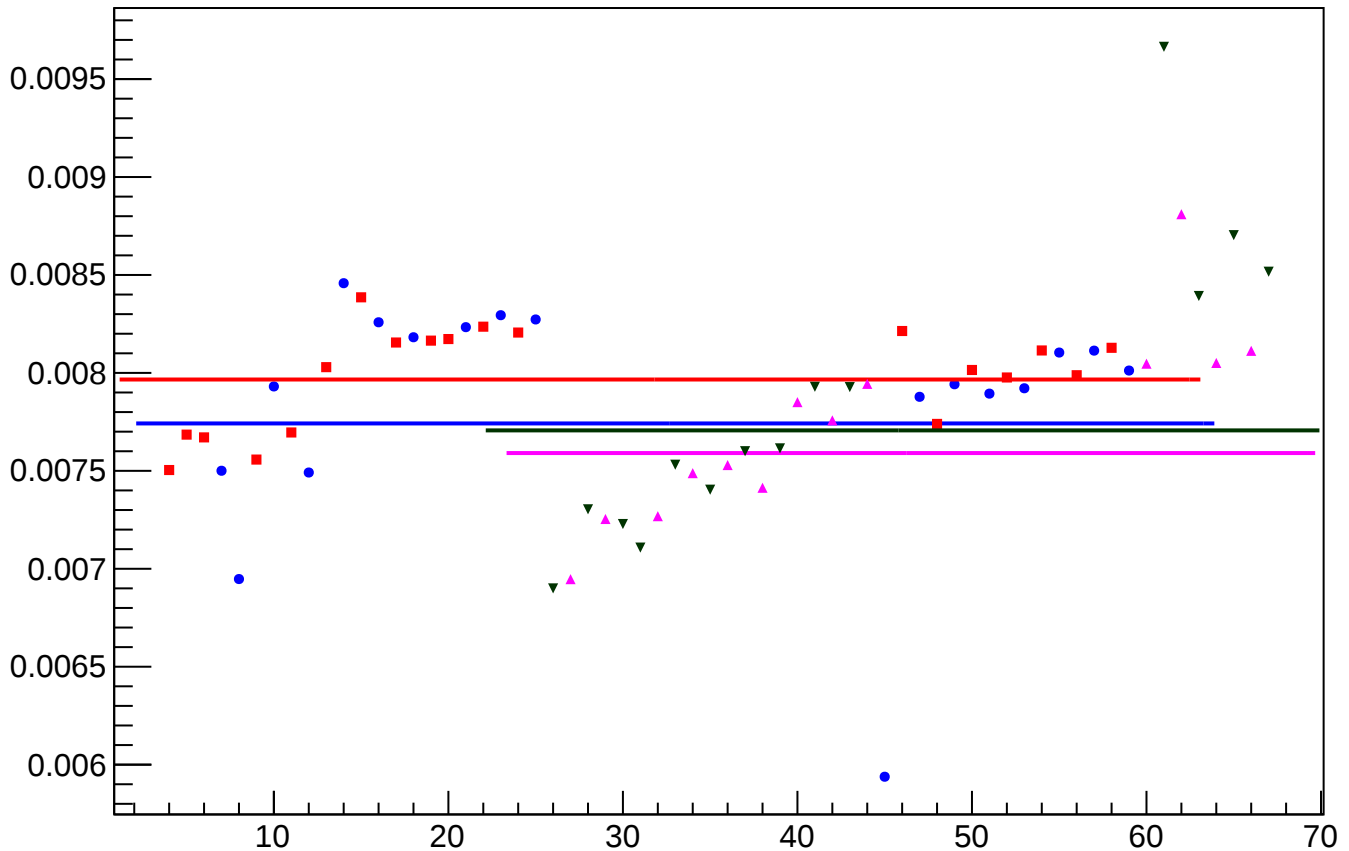
1.913+/-0.000 χ^2/NDF : 470251571441.8/31

Right Out: 1.905+/-0.000 χ^2/NDF : 236022966001.2/18

1.788+/-0.000 χ^2/NDF : 424614820437.3/31

Left In: 1.650+/-0.000 χ^2/NDF : 183974575238.8/12

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

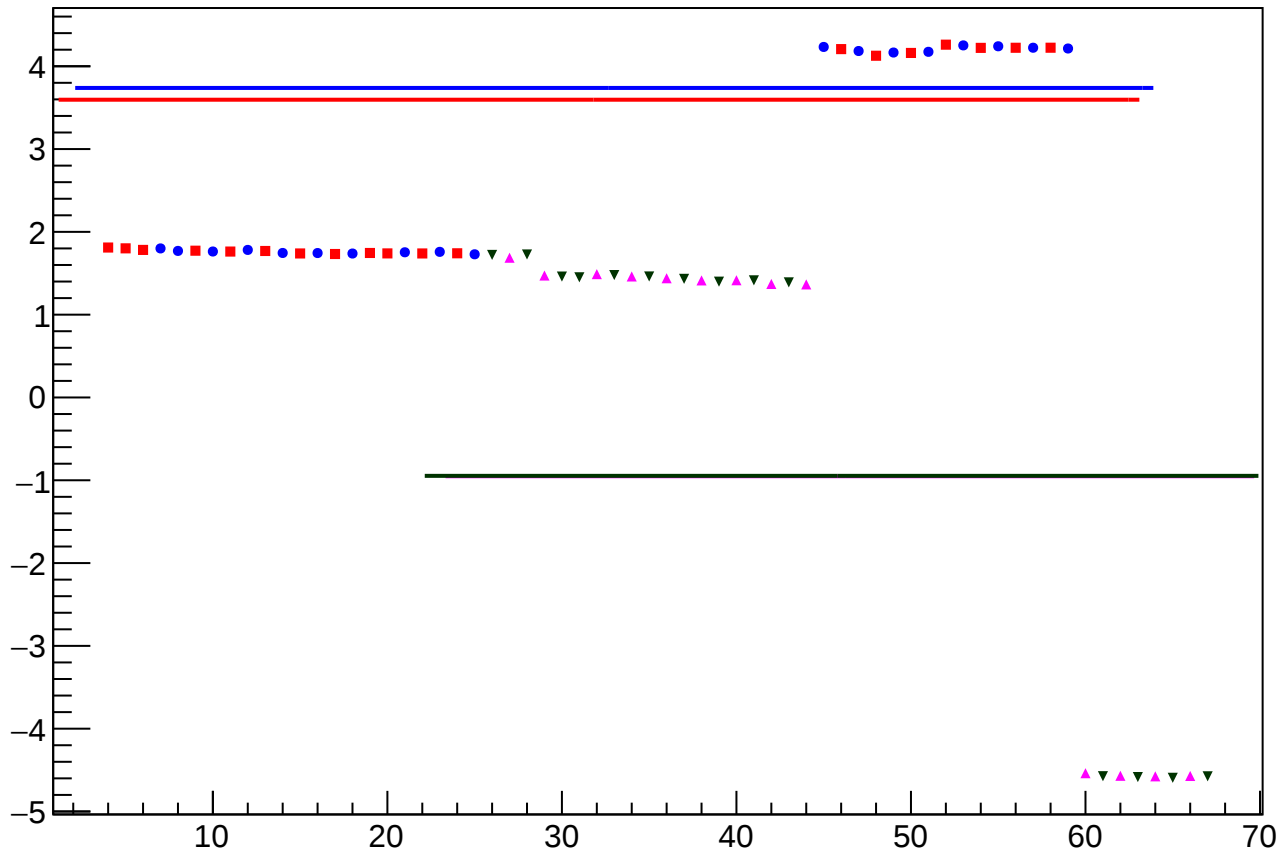
Right Out: 0.008+/-0.000 χ^2/NDF : 20073.5/18

Left In: 0.008+/-0.000 χ^2/NDF : 54268.8/12

0.008+/-0.000 χ^2/NDF : 272726.6/31

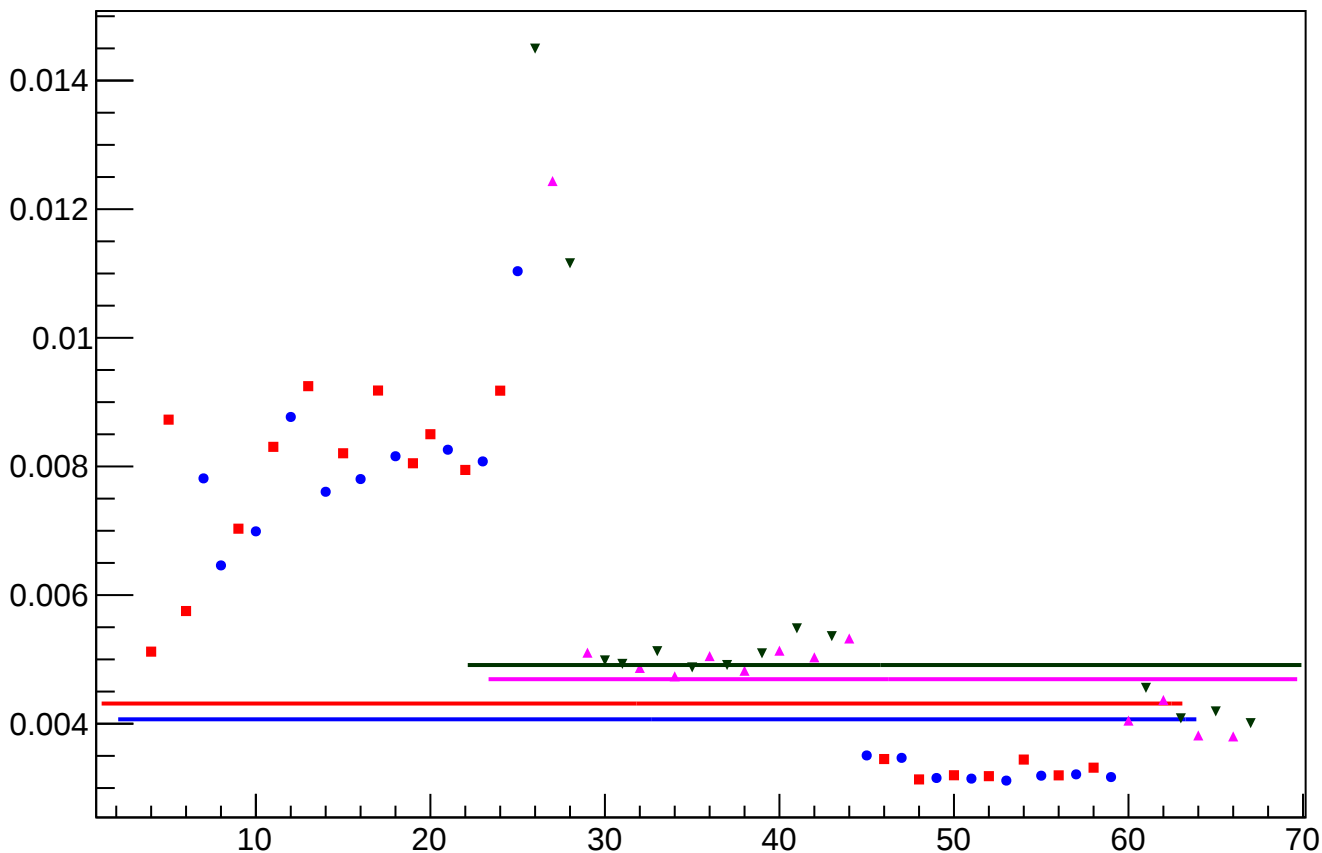
0.008+/-0.000 χ^2/NDF : 94413.3/31

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	1.657+/-0.000	χ^2/NDF : 6882161722442.7/31
Left In: -0.952+/-0.000	χ^2/NDF : 2705519494222.9/12		

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

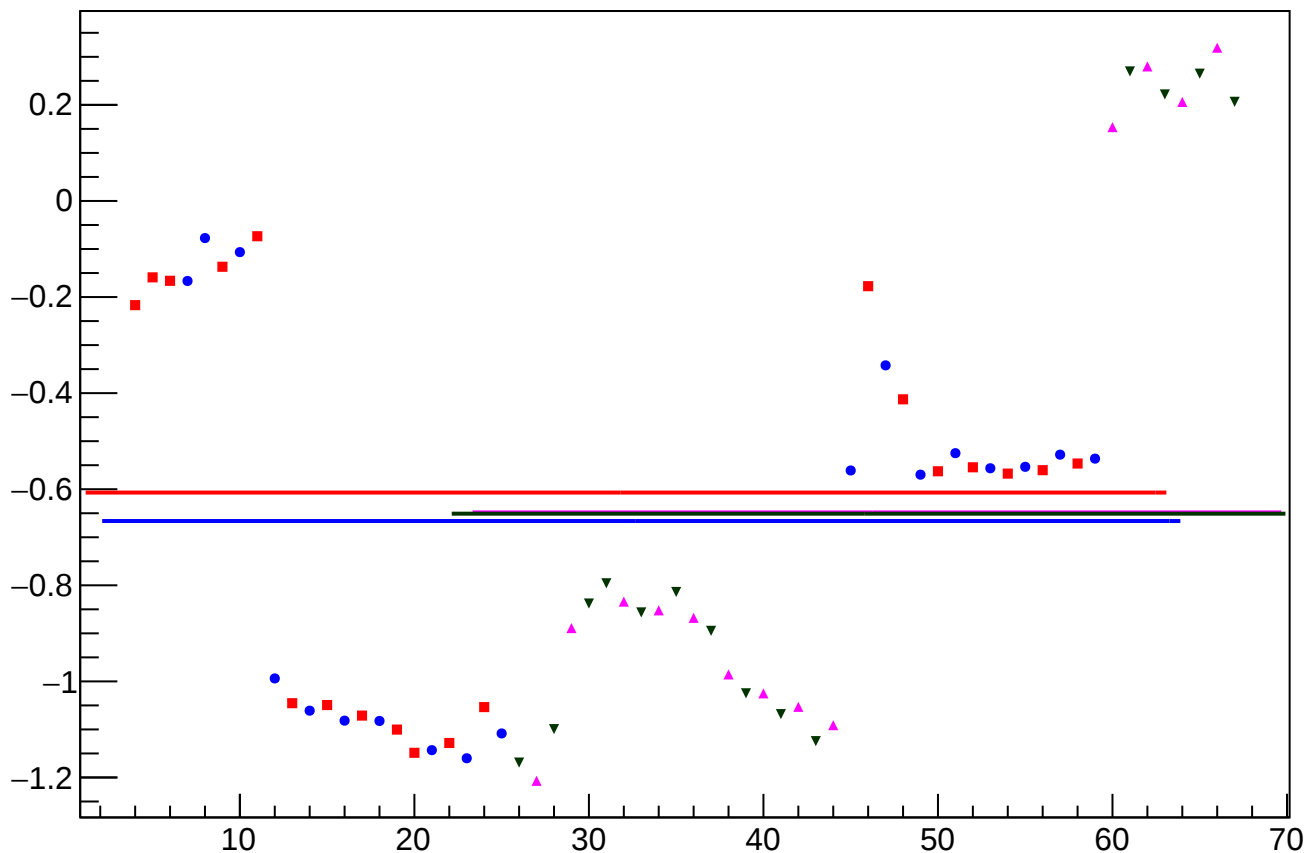
Right Out: 0.004+/-0.000 χ^2/NDF : 3241260.9/18

Left In: 0.005+/-0.000 χ^2/NDF :745809.5/12

0.004+/-0.000 χ^2/NDF : 4613351.0/31

0.004+/-0.000 χ^2/NDF : 4038449.3/31

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

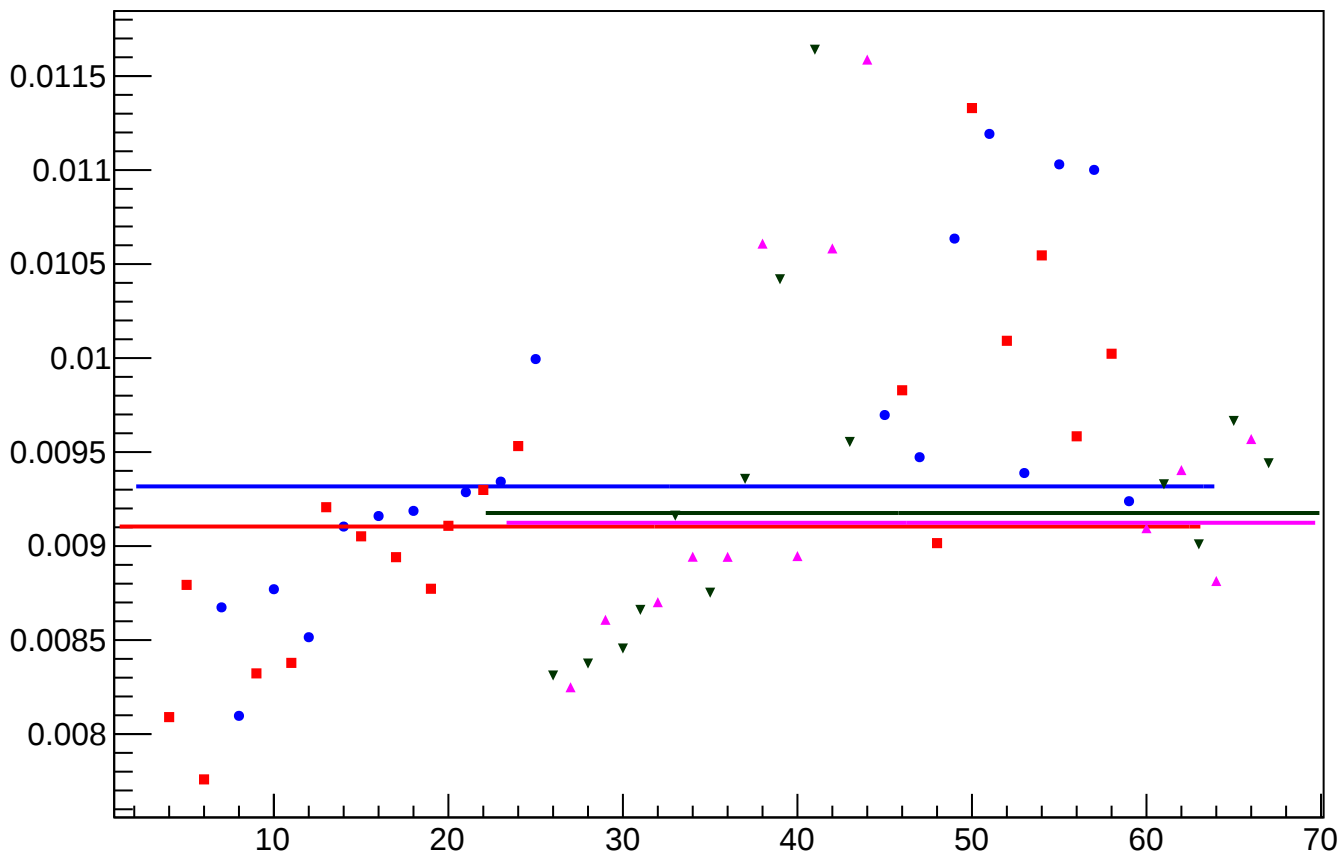
Right Out: -0.607+/-0.000 χ^2/NDF : 19217252419.4/18

Left In: -0.648+/-0.000 χ^2/NDF : 27422221132.5/12

-0.660+/-0.000 χ^2/NDF : 44238630945.4/31

-0.625+/-0.000 χ^2/NDF : 46726279769.6/31

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

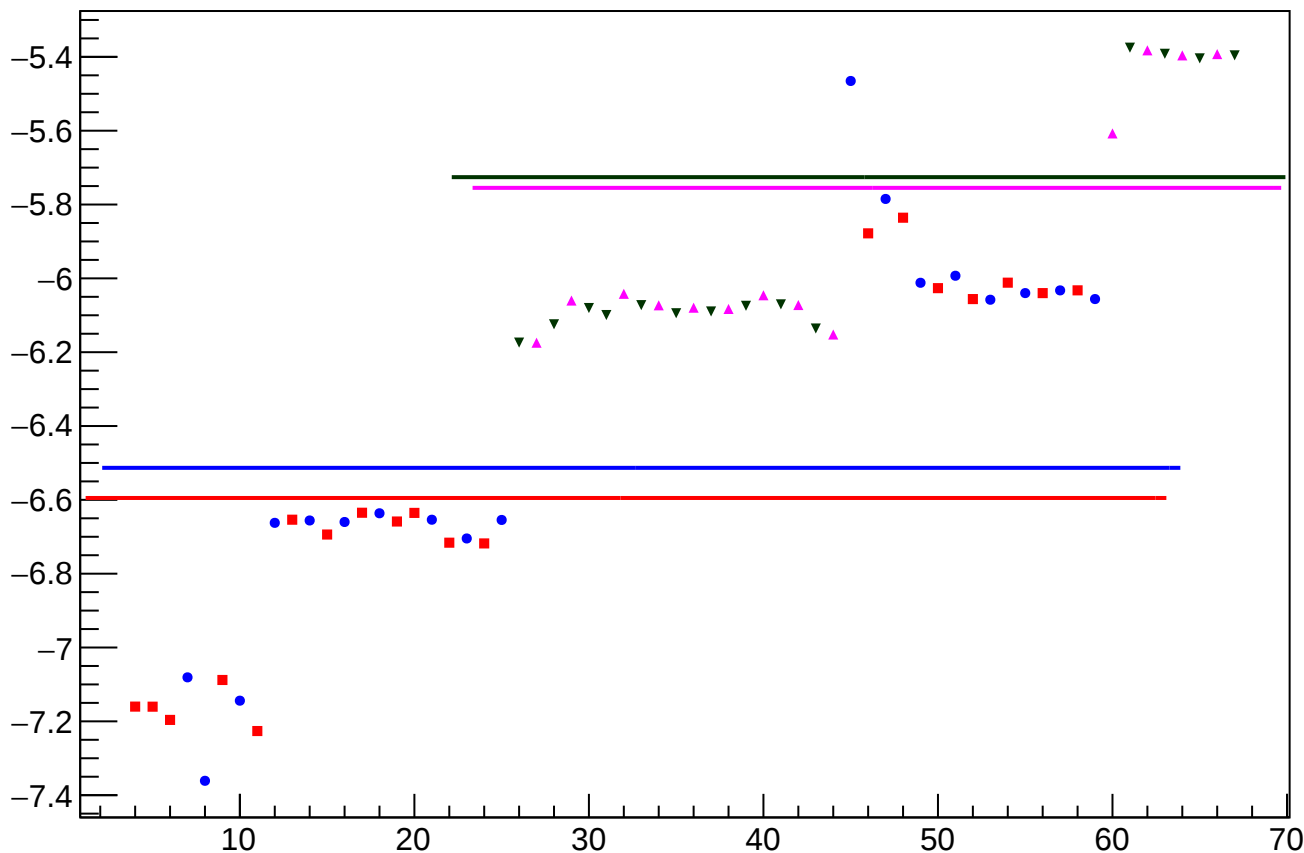
Right Out: 0.009+/-0.000 χ^2/NDF : 159092.9/18

Left In: 0.009+/-0.000 χ^2/NDF :120112.2/12

0.009+/-0.000 χ^2/NDF : 276322.2/31

0.009+/-0.000 χ^2/NDF : 279245.7/31

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

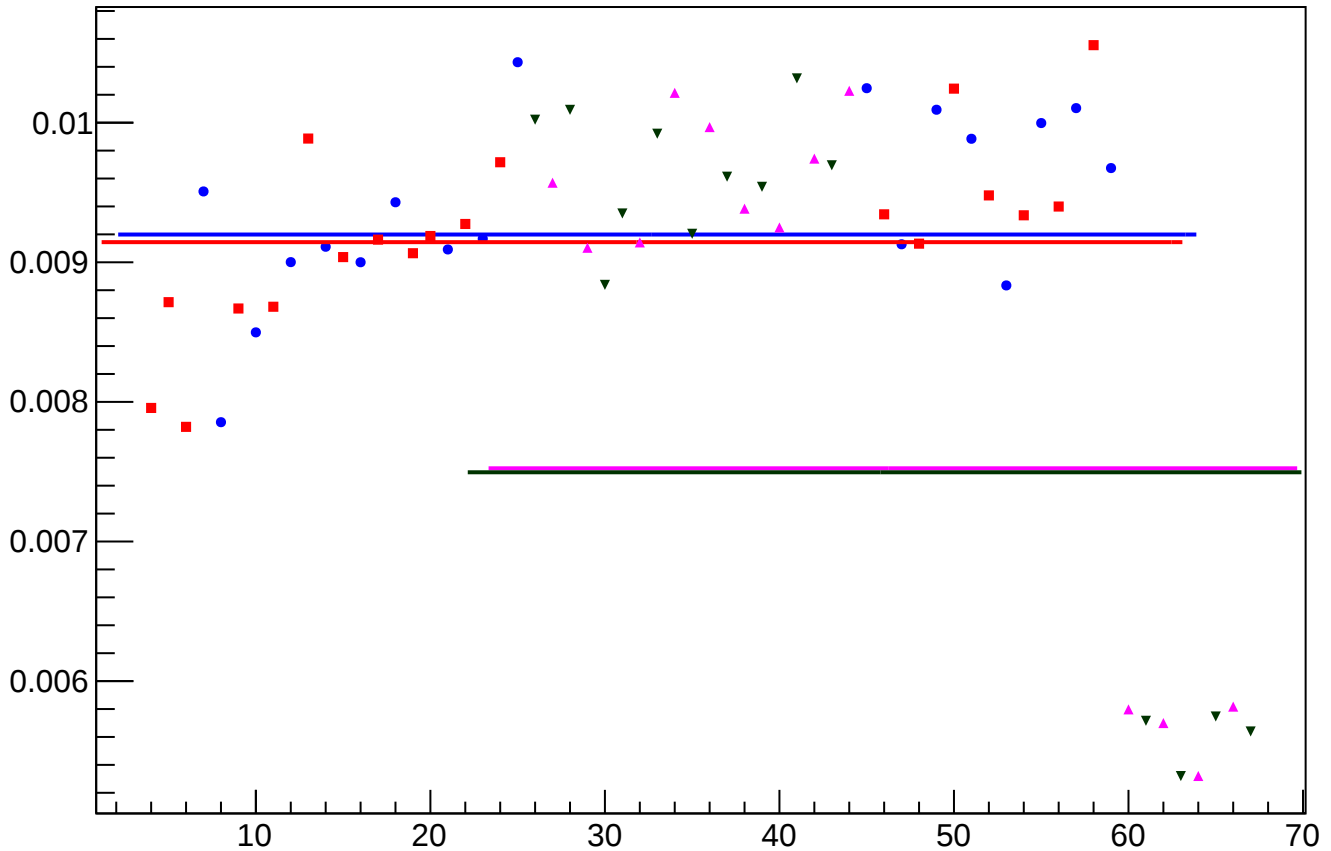
Right Out: -6.595+/-0.000 χ^2/NDF : 25777696502.6/18

Left In: -5.755+/-0.000 χ^2/NDF :13500858800.2/12

-6.137+/-0.000 χ^2/NDF : 86624494616.7/31

-6.156+/-0.000 χ^2/NDF : 81213438237.0/31

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

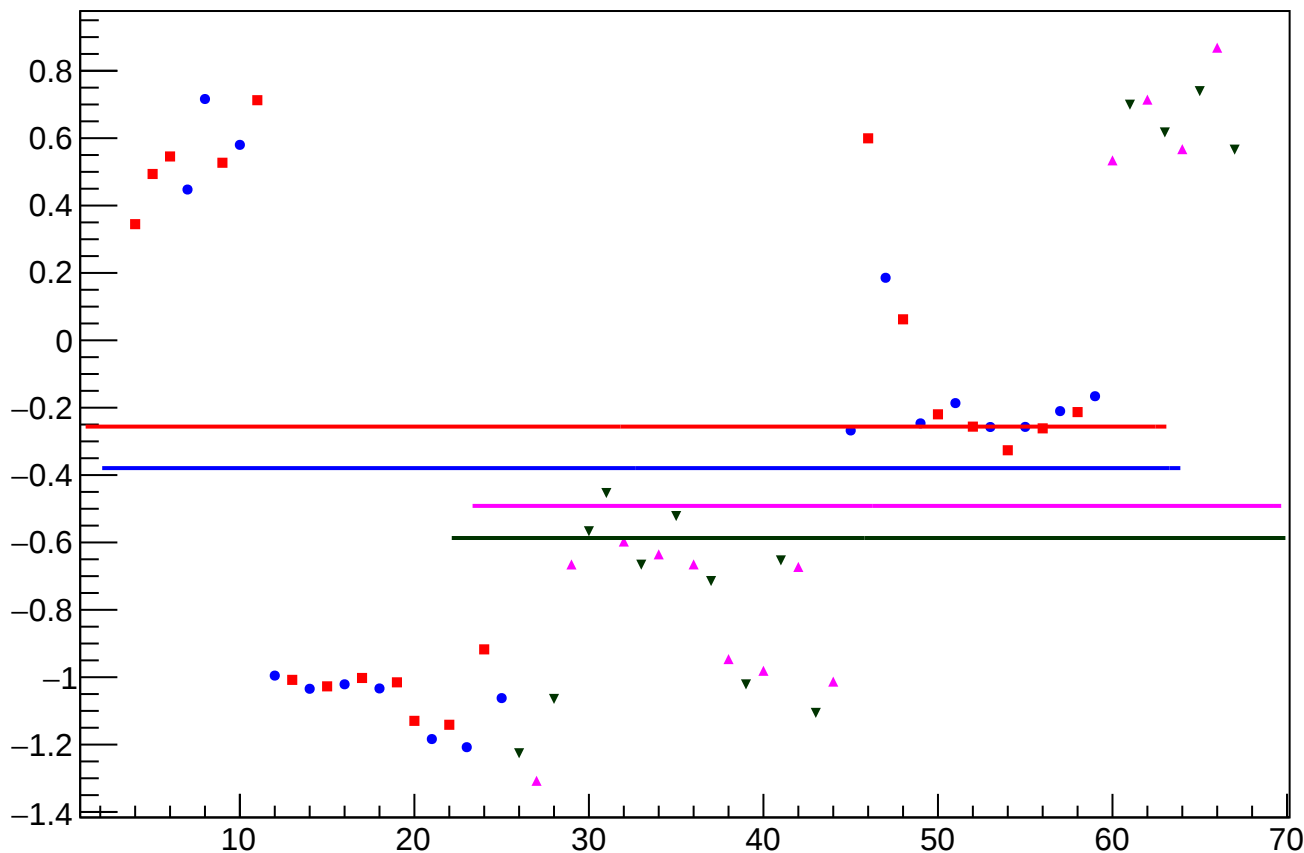
Right Out: 0.009+/-0.000 χ^2/NDF : 101222.8/18

Left In: 0.008+/-0.000 χ^2/NDF : 960517.2/12

0.008+/-0.000 χ^2/NDF : 1455634.9/31

0.008+/-0.000 χ^2/NDF : 1373570.2/31

yield_bpm0l02X_mean vs slug



Right In: -0.379 ± 0.000 χ^2/NDF : 10136750548.1/17

Left Out: -0.587 ± 0.000 χ^2/NDF : 13016992077.9/13

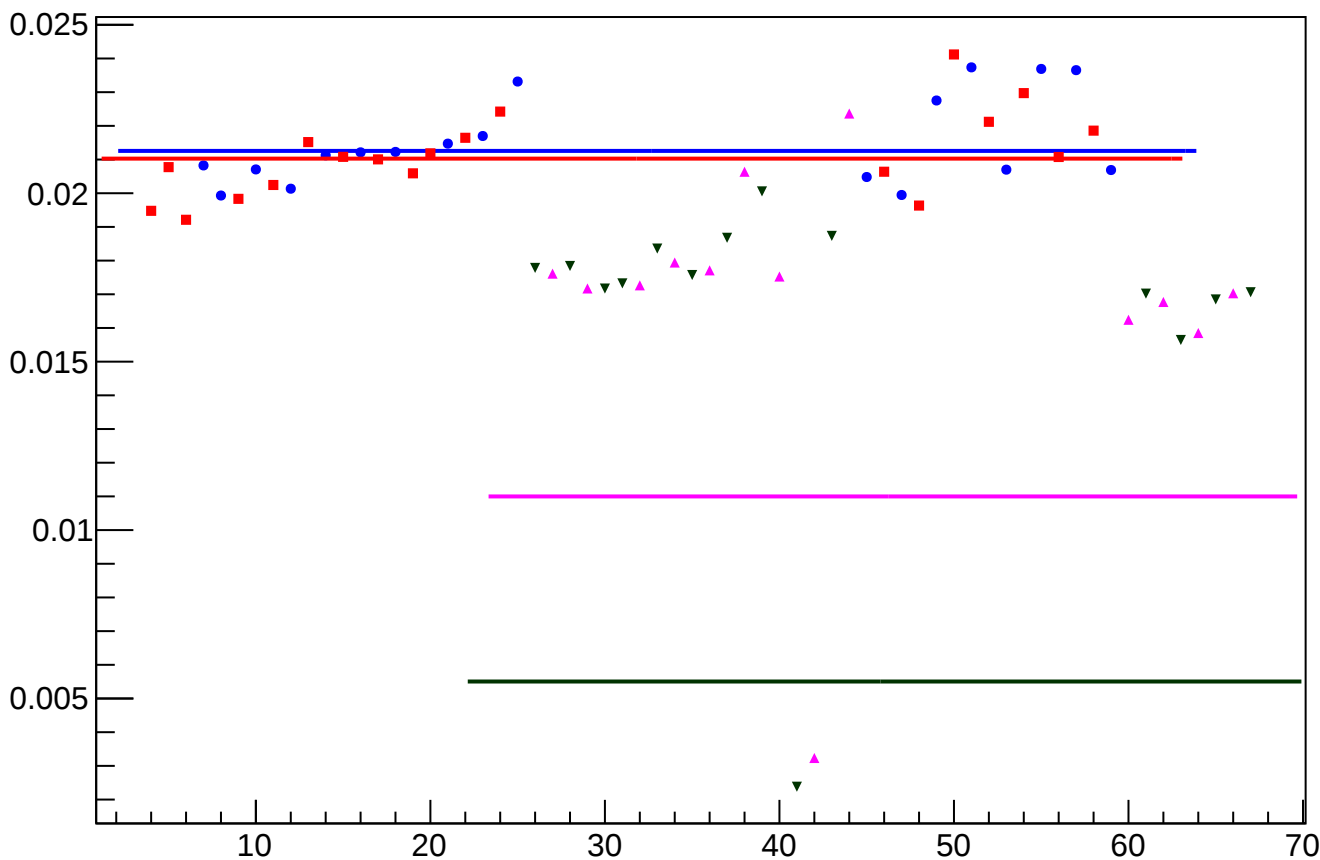
Right Out: -0.256 ± 0.000 χ^2/NDF : 10103342122.6/18

Left In: -0.491 ± 0.000 χ^2/NDF : 13832507745.2/12

-0.547 ± 0.000 χ^2/NDF : 24003686125.7/31

-0.411 ± 0.000 χ^2/NDF : 24738841433.0/31

yield_bpm0l02X_rms vs slug



Right In: 0.021+/-0.000 χ^2/NDF : 64142.6/17

Left Out: 0.006+/-0.000 χ^2/NDF : 7866433.9/13

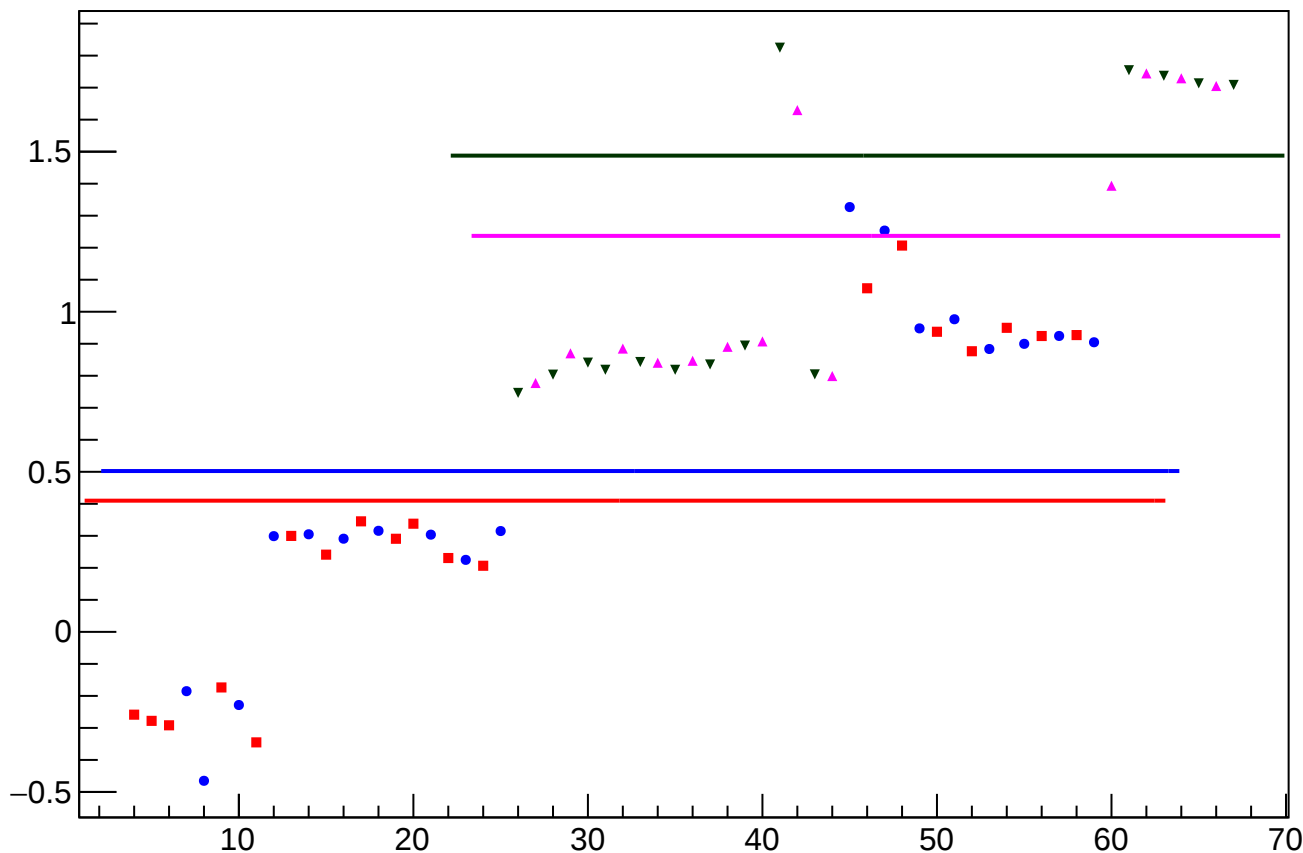
Right Out: 0.021+/-0.000 χ^2/NDF : 62886.6/18

Left In: 0.011+/-0.000 χ^2/NDF : 4373575.4/12

0.009+/-0.000 χ^2/NDF : 17729479.9/31

0.014+/-0.000 χ^2/NDF : 7351818.8/31

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

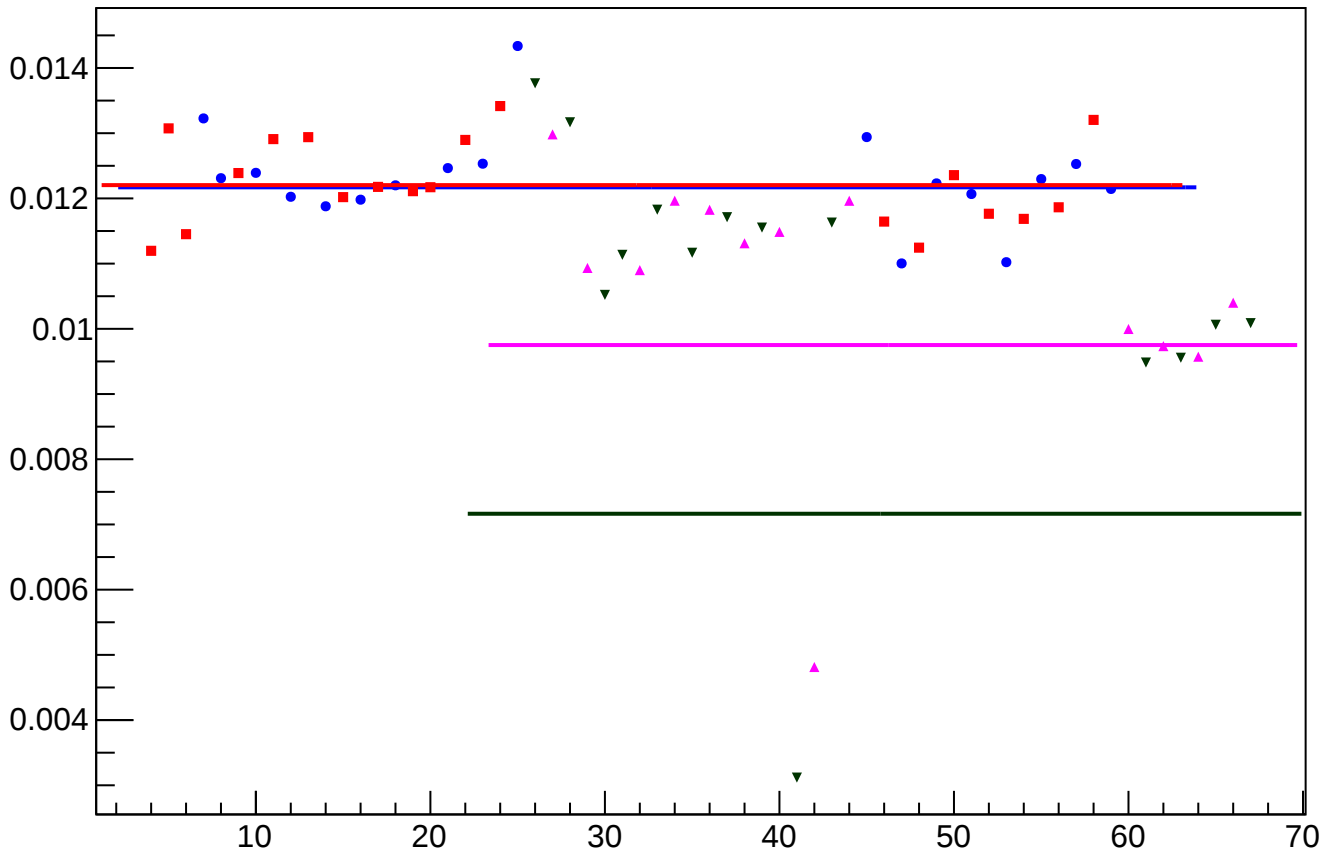
Right Out: 0.410 $\pm$ 0.000 χ^2/NDF : 16439315084.0/18

Left In: 1.237 $\pm$ 0.000 χ^2/NDF : 11646793806.5/12

1.080 $\pm$ 0.000 χ^2/NDF : 82843621788.5/31

0.848 $\pm$ 0.000 χ^2/NDF : 51503074878.8/31

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

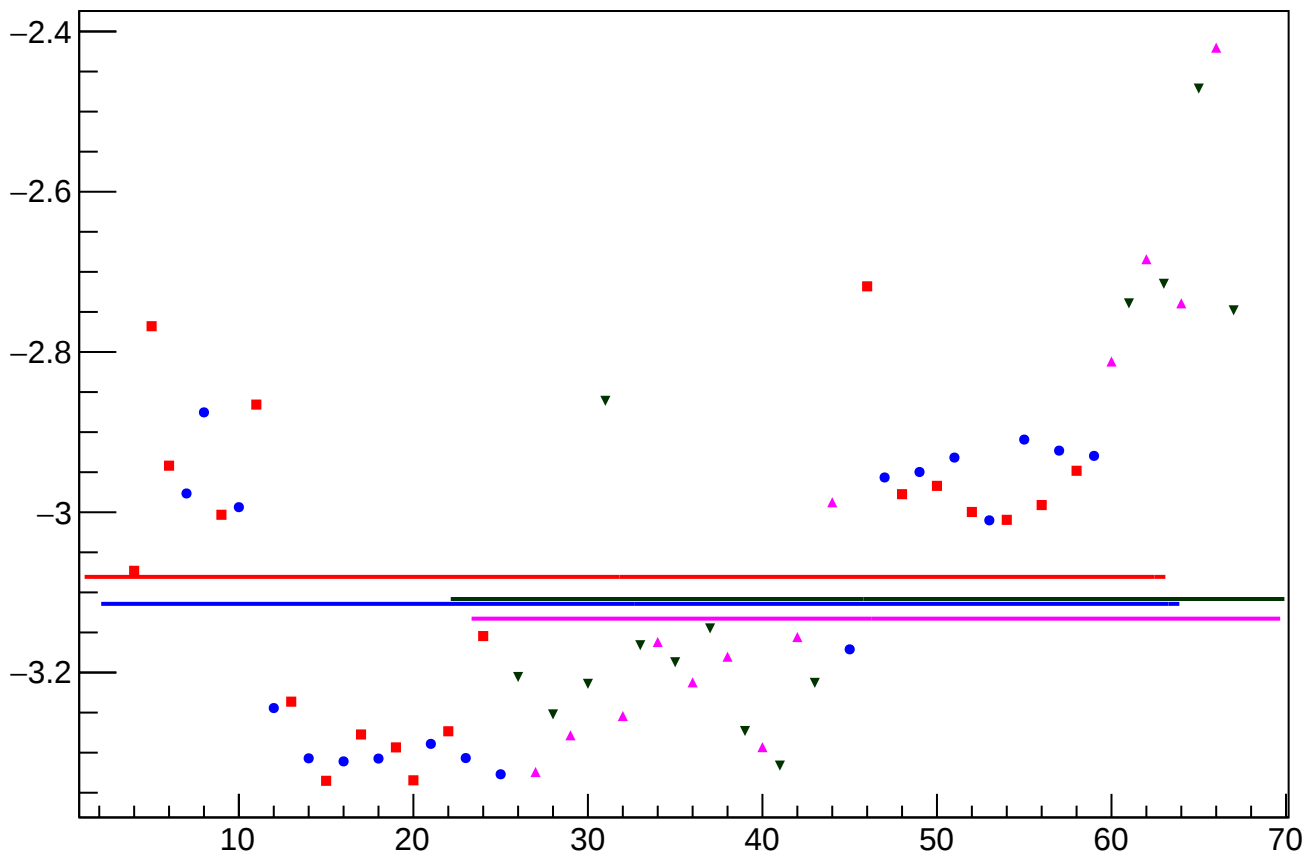
0.009 $\pm$ 0.000 χ^2 /NDF: 5621431.4/31

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 53181.0/18

0.011 $\pm$ 0.000 χ^2 /NDF: 1449564.2/31

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:984646.9/12

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

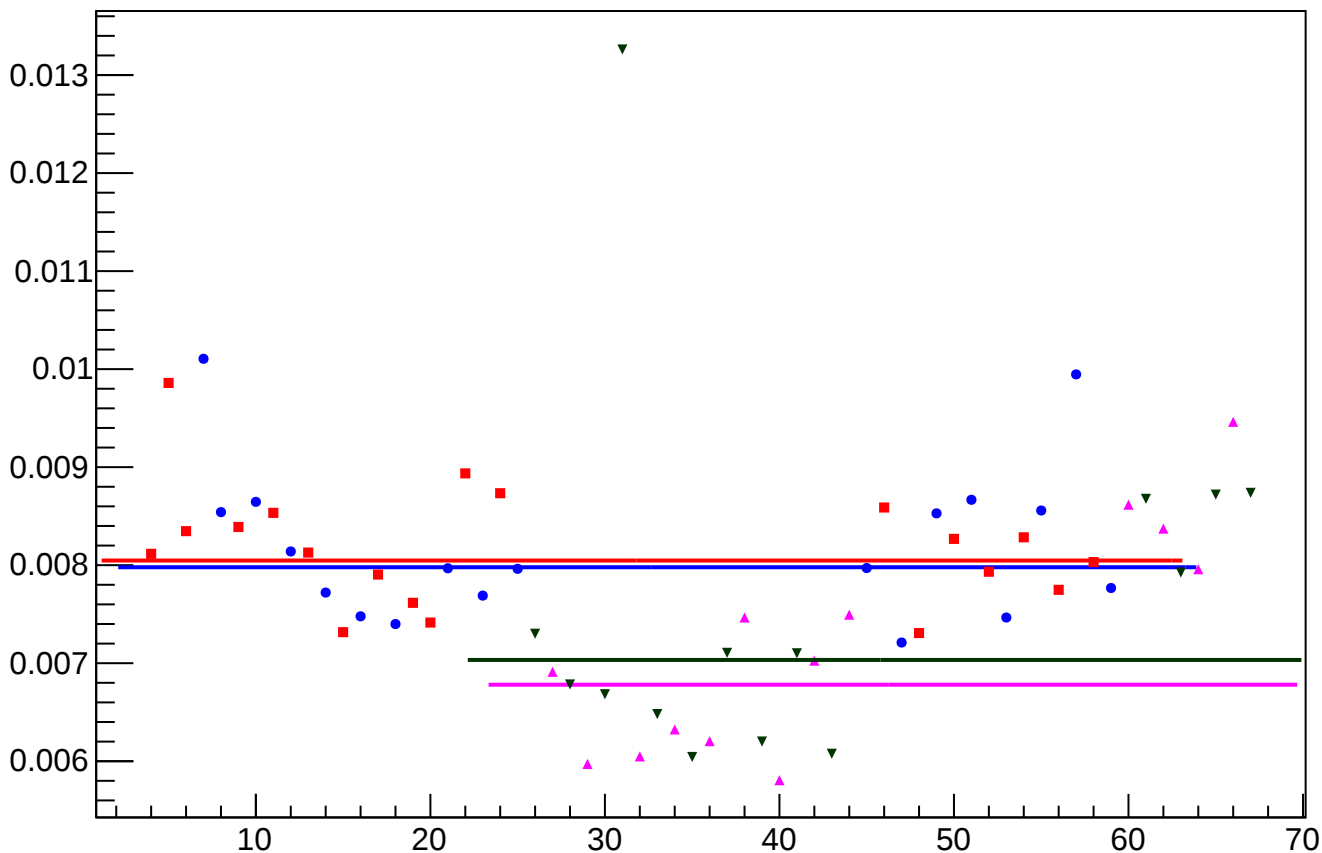
Right Out: -3.081+/-0.000 χ^2/NDF : 3839311184.0/18

Left In: -3.133+/-0.000 χ^2/NDF : 7752125346.3/12

-3.112+/-0.000 χ^2/NDF : 11363680573.4/31

-3.108+/-0.000 χ^2/NDF : 11776957843.6/31

yield_bpm0l03X_rms vs slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 95241.7/17

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:310148.1/13

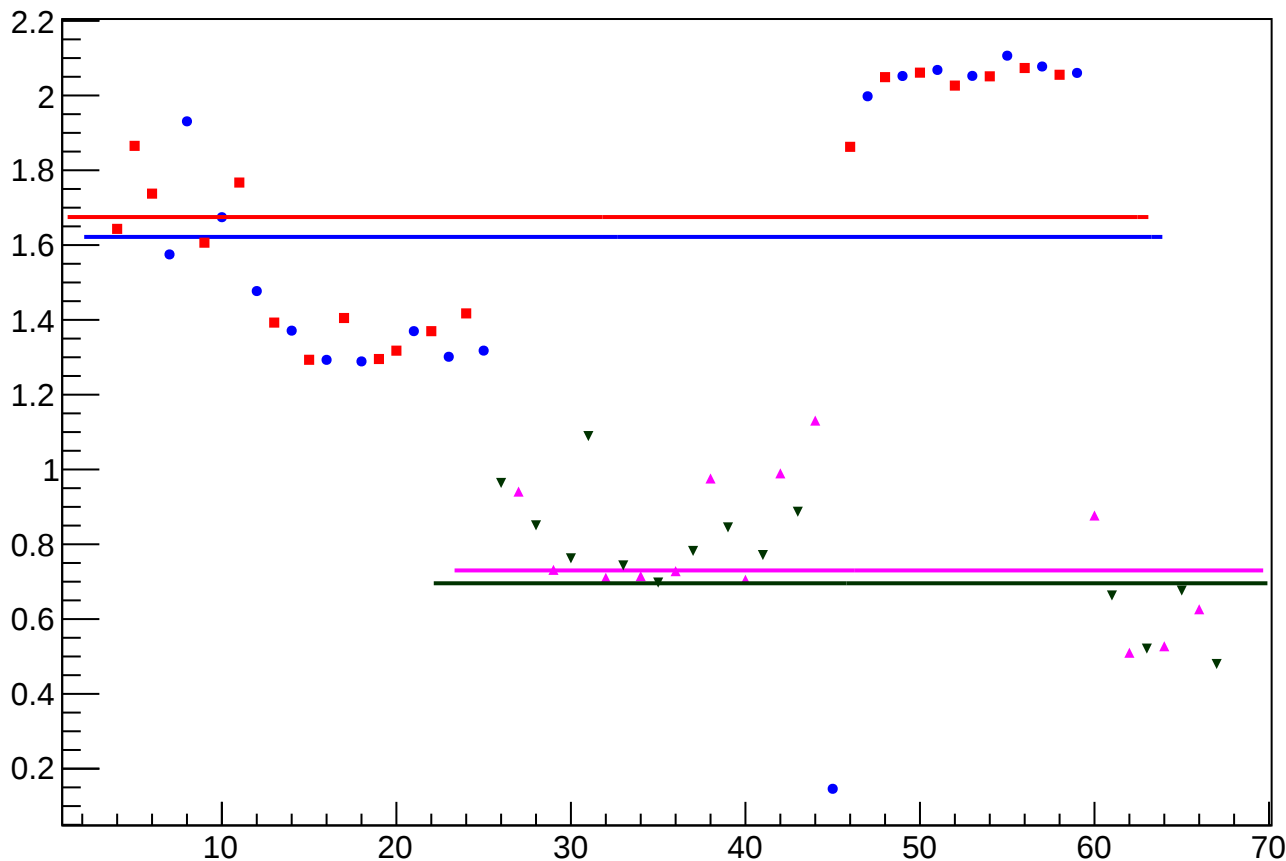
Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 57509.8/18

Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:277670.5/12

0.008 $\pm$ 0.000 χ^2 /NDF: 527303.2/31

0.007 $\pm$ 0.000 χ^2 /NDF: 554405.3/31

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

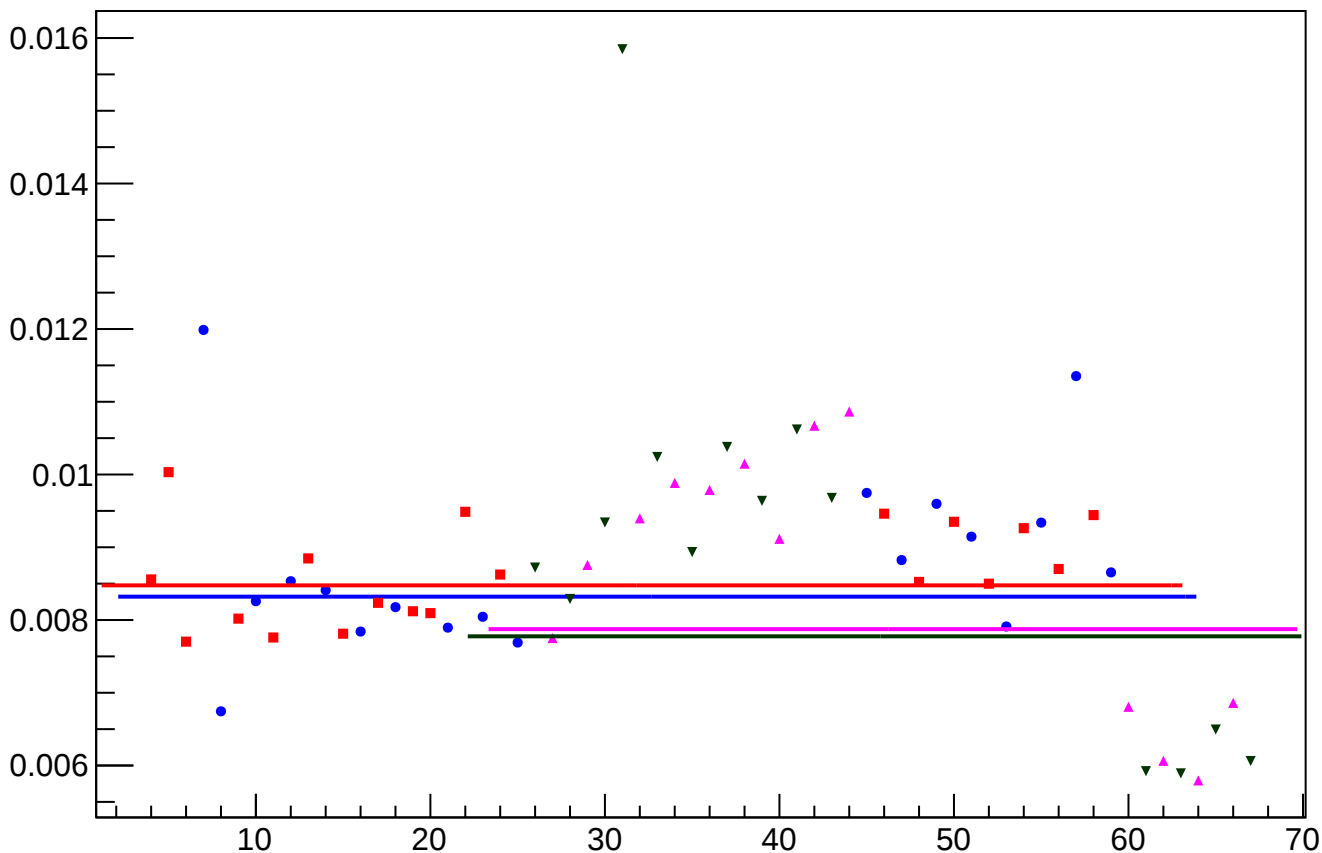
Right Out: 1.675 $\pm$ 0.000 χ^2 /NDF: 9809193440.2/18

Left In: 0.730 $\pm$ 0.000 χ^2 /NDF:3150878812.3/12

1.234 $\pm$ 0.000 χ^2 /NDF: 76827985222.8/31

1.223 $\pm$ 0.000 χ^2 /NDF: 61626327313.1/31

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

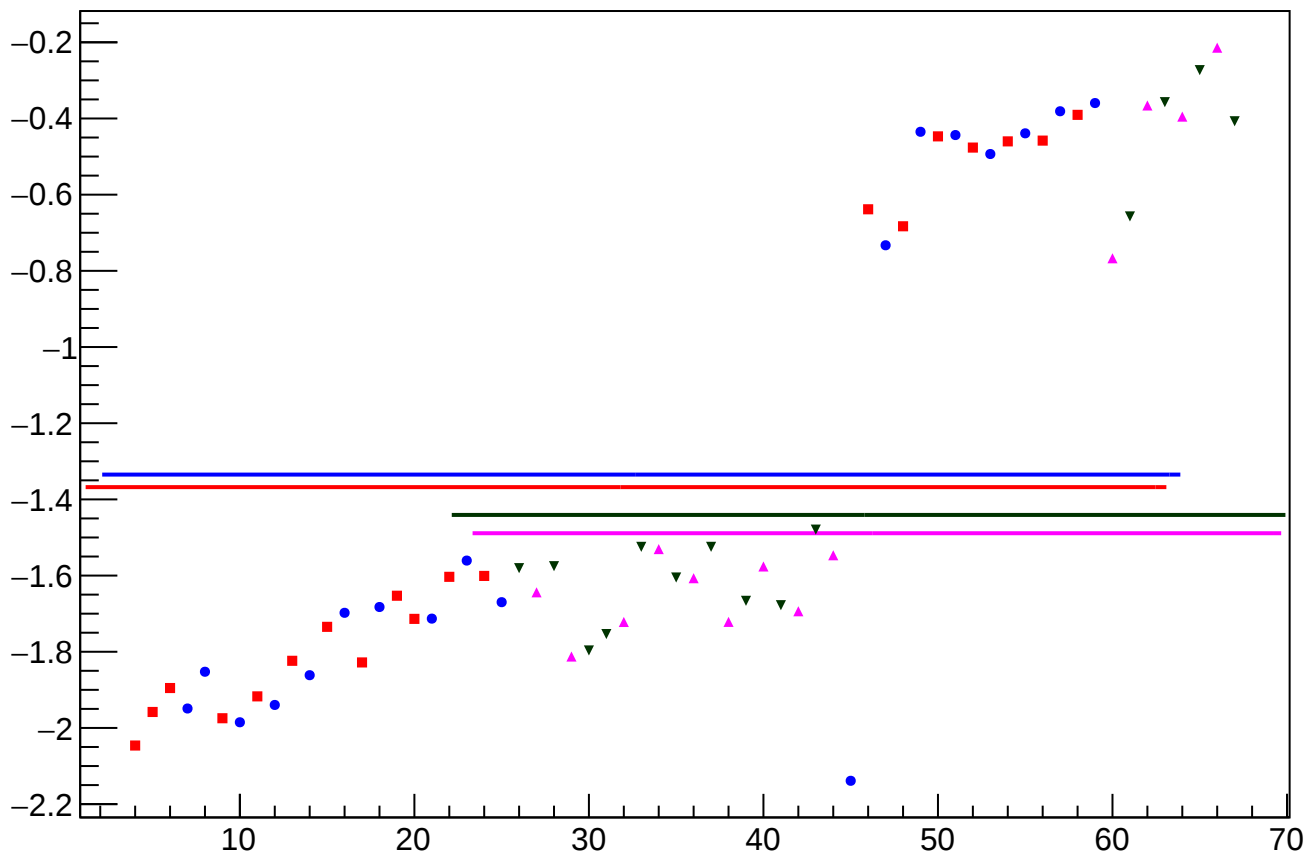
Right Out: 0.008+/-0.000 χ^2/NDF : 80155.6/18

Left In: 0.008+/-0.000 χ^2/NDF : 564388.7/12

0.008+/-0.000 χ^2/NDF : 1002594.8/31

0.008+/-0.000 χ^2/NDF : 683995.4/31

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

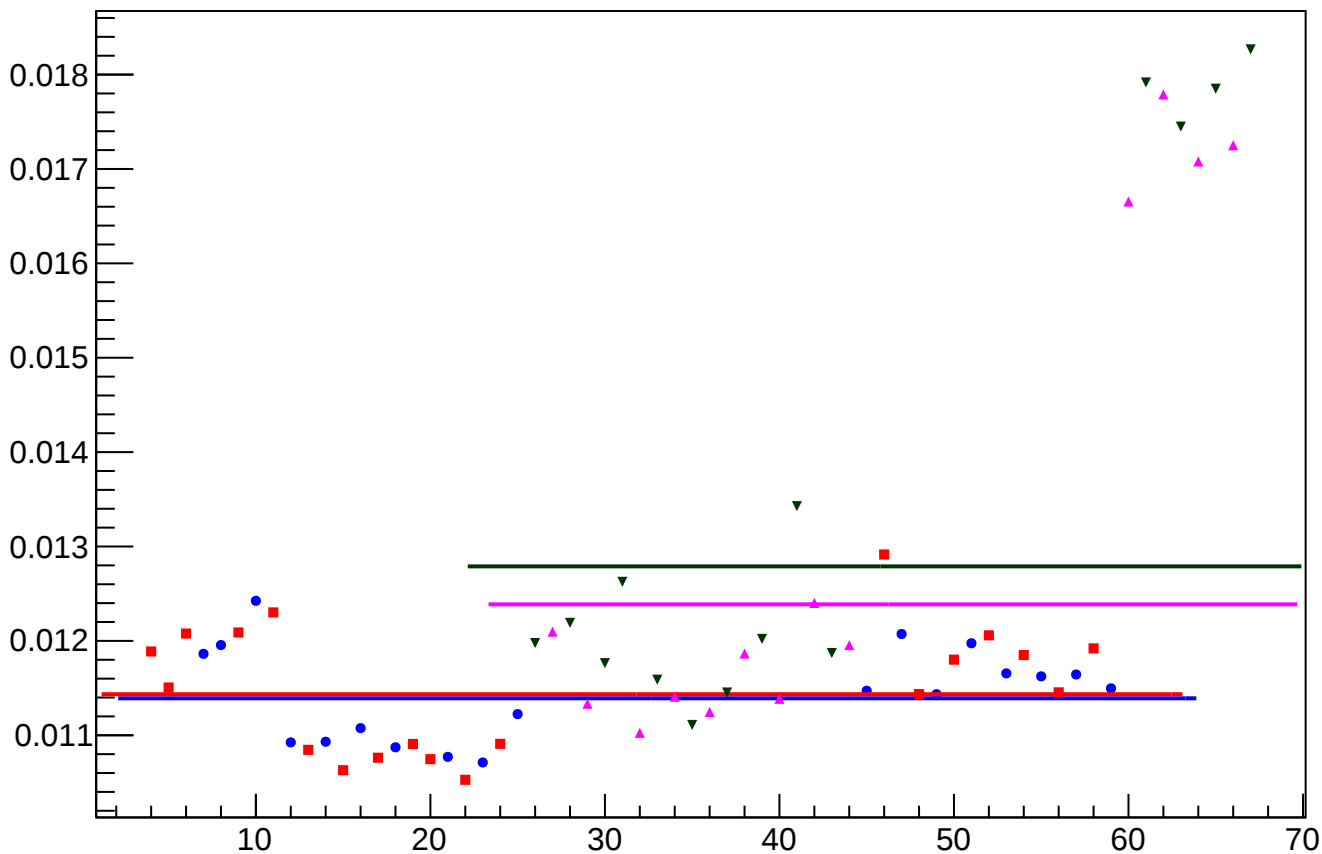
Right Out: -1.368 ± 0.000 χ^2/NDF : 29057521992.7/18

Left In: -1.489 ± 0.000 χ^2/NDF : 9698509270.7/12

-1.370 ± 0.000 χ^2/NDF : 46709032359.6/31

-1.415 ± 0.000 χ^2/NDF : 39188086394.4/31

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

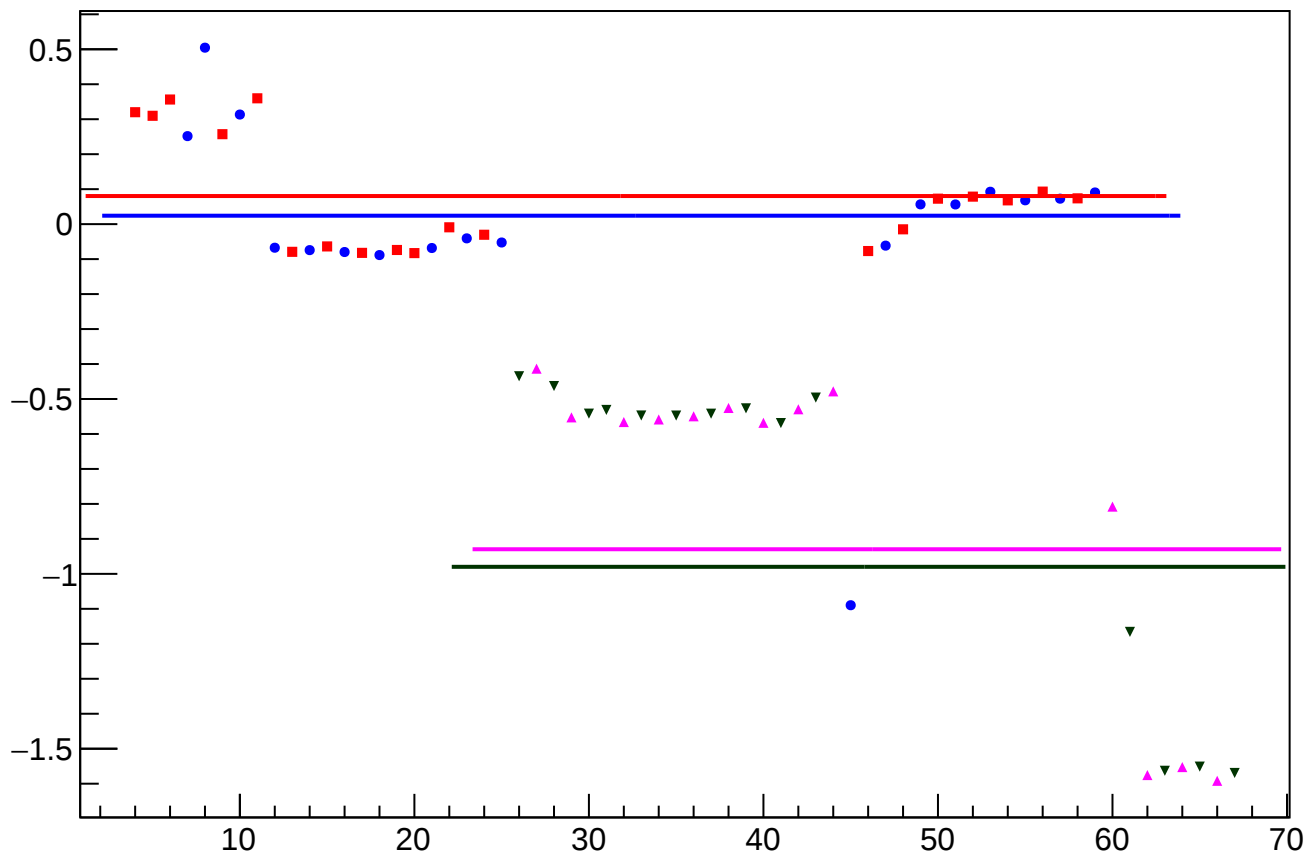
Right Out: 0.011 ± 0.000 χ^2/NDF : 65676.1/18

Left In: 0.012 ± 0.000 χ^2/NDF : 395466.5/12

0.012 ± 0.000 χ^2/NDF : 546968.5/31

0.012 ± 0.000 χ^2/NDF : 514620.3/31

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

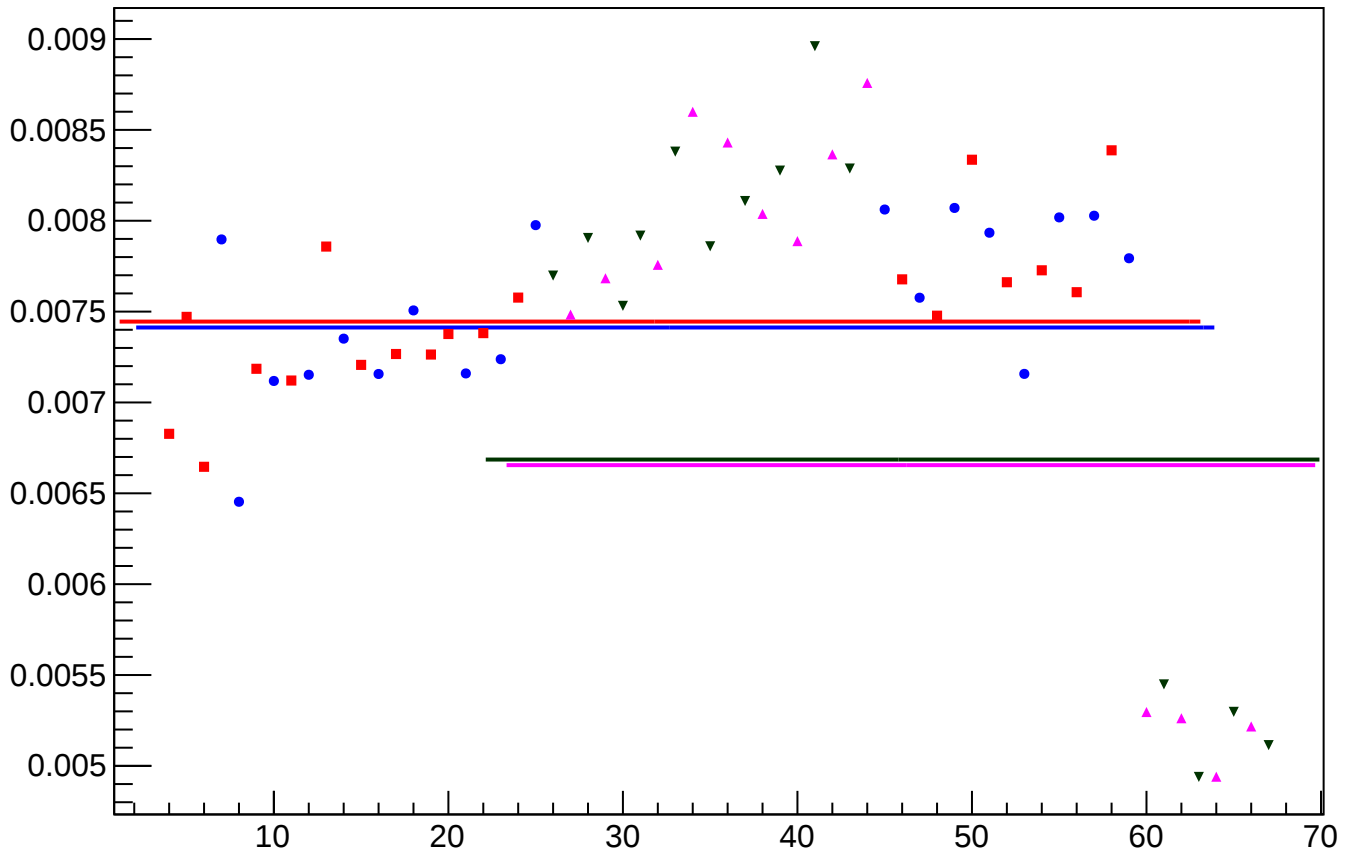
Right Out: 0.080+/-0.000 χ^2/NDF : 4561023053.2/18

Left In: -0.930+/-0.000 χ^2/NDF : 38894507016.0/12

-0.409+/-0.000 χ^2/NDF : 141707243132.0/31

-0.411+/-0.000 χ^2/NDF : 129046262865.7/31

yield_bpm0l04Y_rms vs slug



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 91120.7/17

Left Out: 0.007 $\pm$ 0.000 χ^2/NDF : 659238.4/13

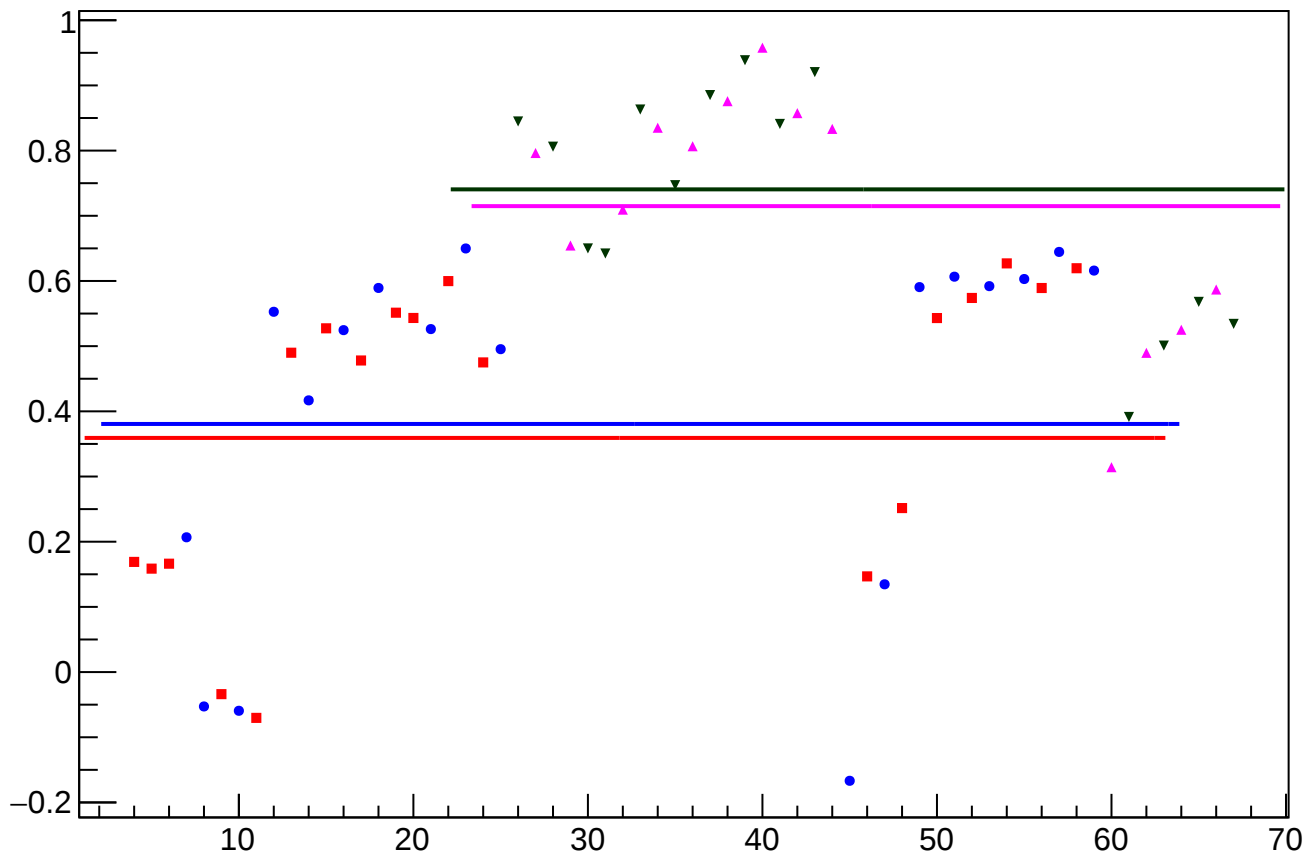
Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 61122.7/18

Left In: 0.007 $\pm$ 0.000 χ^2/NDF : 676906.4/12

0.007 $\pm$ 0.000 χ^2/NDF : 840816.0/31

0.007 $\pm$ 0.000 χ^2/NDF : 842771.0/31

yield_bpm0l05X_mean vs slug



Right In: 0.381+/-0.000 χ^2/NDF : 17766233664.3/17

Left Out: 0.741+/-0.000 χ^2/NDF : 3547478585.1/13

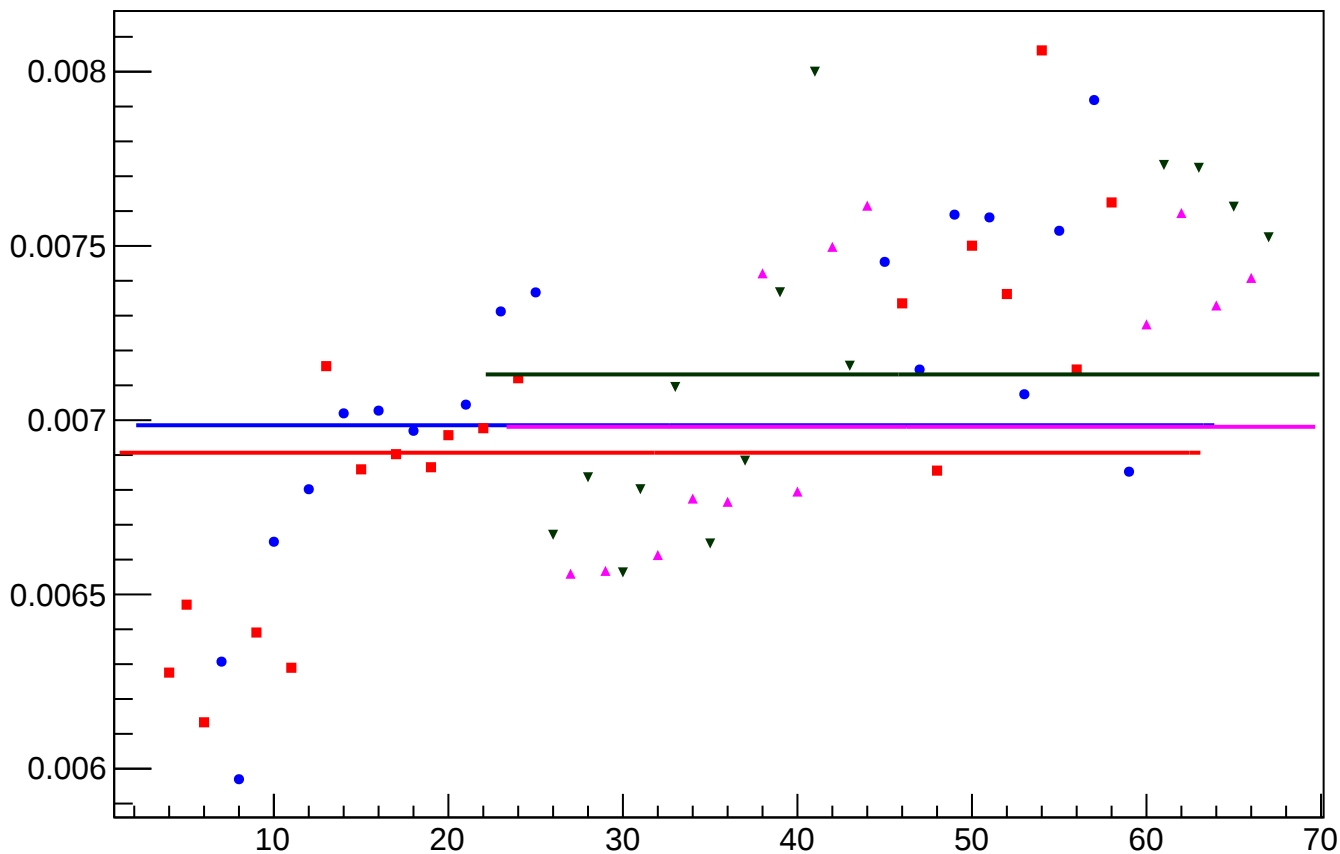
0.519+/-0.000 χ^2/NDF : 32509938162.3/31

Right Out: 0.359+/-0.000 χ^2/NDF : 11904326957.3/18

0.514+/-0.000 χ^2/NDF : 27185215910.2/31

Left In: 0.715+/-0.000 χ^2/NDF : 4142391813.1/12

yield_bpm0l05X_rms vs slug



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 107156.0/17

Left Out: 0.007 $\pm$ 0.000 χ^2/NDF : 56069.8/13

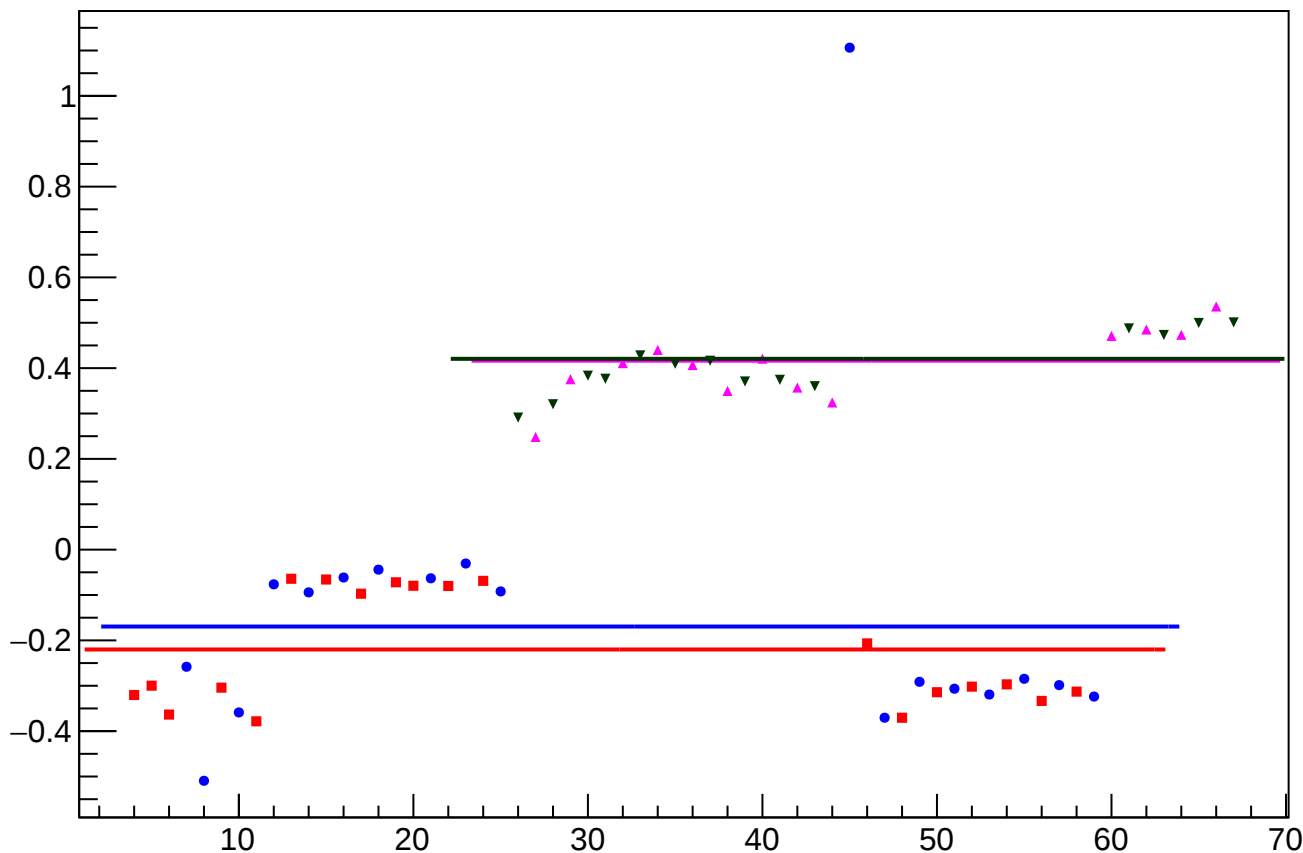
Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 97555.6/18

Left In: 0.007 $\pm$ 0.000 χ^2/NDF : 51062.8/12

0.007 $\pm$ 0.000 χ^2/NDF : 166903.5/31

0.007 $\pm$ 0.000 χ^2/NDF : 149592.0/31

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

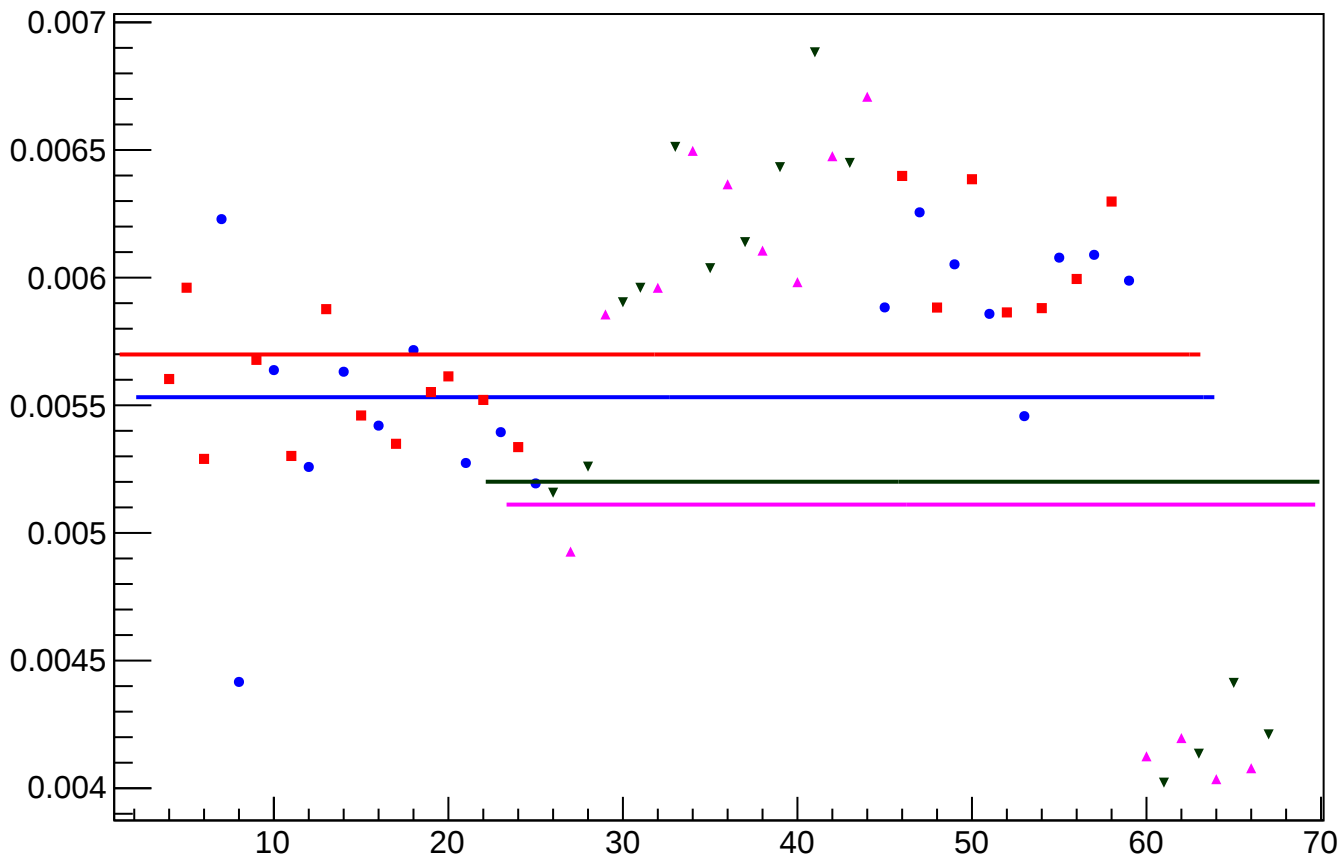
0.075+/-0.000 χ^2/NDF : 89240140567.0/31

Right Out: -0.220+/-0.000 χ^2/NDF : 4721801975.9/18

0.090+/-0.000 χ^2/NDF : 64407871043.7/31

Left In: 0.416+/-0.000 χ^2/NDF :1975289552.7/12

yield_bpm0l05Y_rms vs slug



Right In: 0.006+/-0.000 χ^2/NDF : 186989.4/17

Left Out: 0.005+/-0.000 χ^2/NDF : 481257.1/13

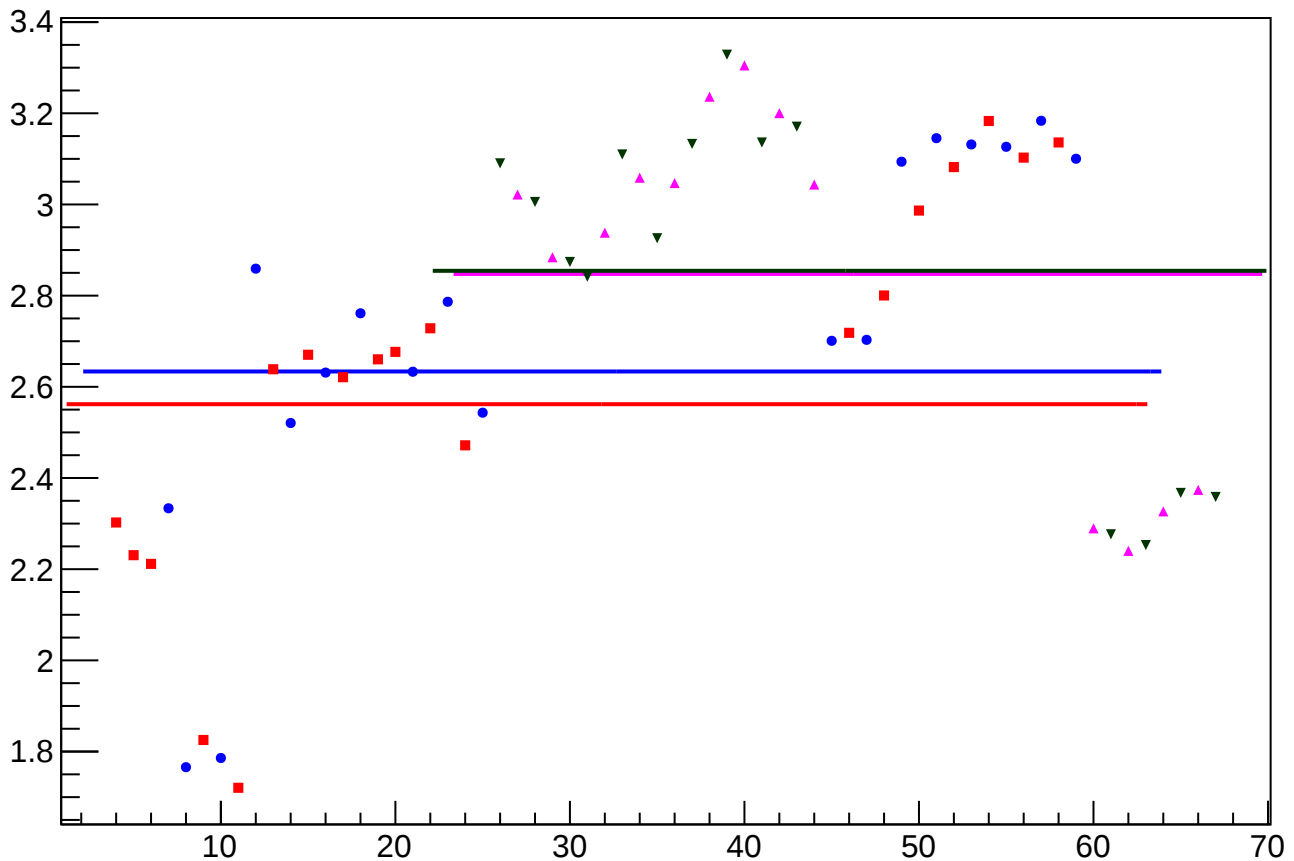
Right Out: 0.006+/-0.000 χ^2/NDF : 66415.4/18

Left In: 0.005+/-0.000 χ^2/NDF : 542663.8/12

0.005+/-0.000 χ^2/NDF : 700311.7/31

0.005+/-0.000 χ^2/NDF : 707612.5/31

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

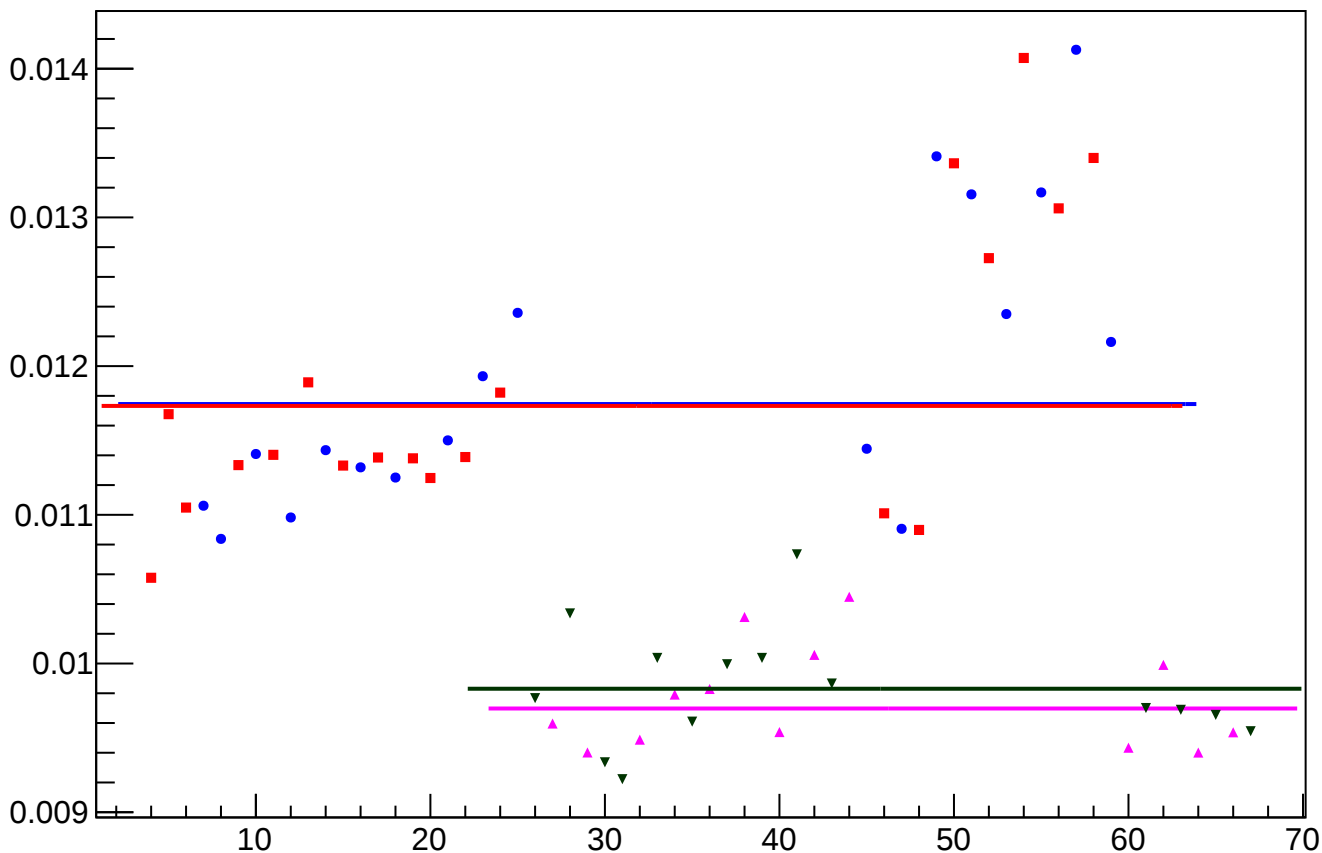
2.740 $\pm$ 0.000 χ^2 /NDF: 27239368332.6/31

Right Out: 2.562 $\pm$ 0.000 χ^2 /NDF: 12349960173.0/18

2.715 $\pm$ 0.000 χ^2 /NDF: 25288361171.2/31

Left In: 2.848 $\pm$ 0.000 χ^2 /NDF: 9884377195.6/12

yield_bpm0l06X_rms vs slug



Right In: 0.012+/-0.000 χ^2/NDF : 117347.2/17

Left Out: 0.010+/-0.000 χ^2/NDF : 21012.7/13

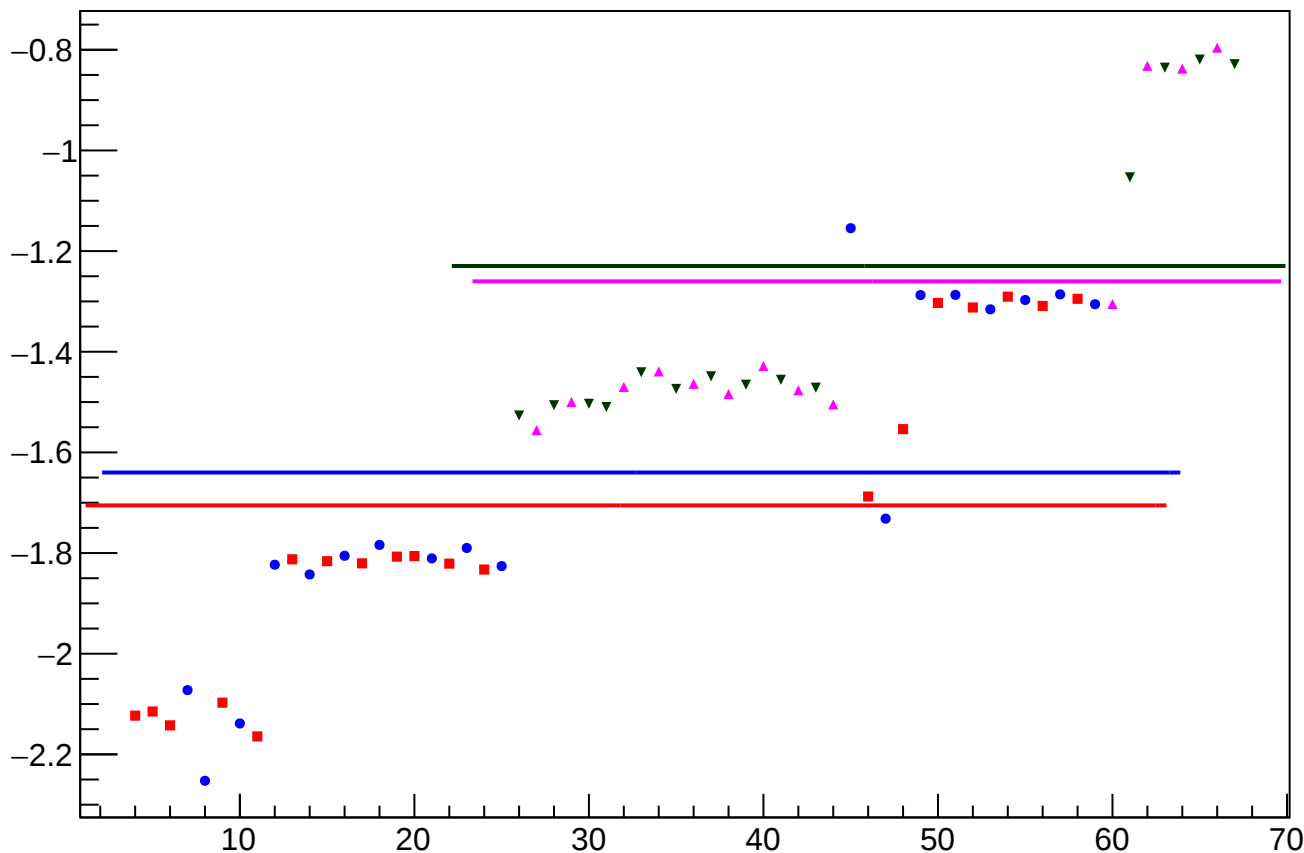
0.011+/-0.000 χ^2/NDF : 419583.0/31

Right Out: 0.012+/-0.000 χ^2/NDF : 107336.5/18

0.011+/-0.000 χ^2/NDF : 433726.6/31

Left In: 0.010+/-0.000 χ^2/NDF : 16420.7/12

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

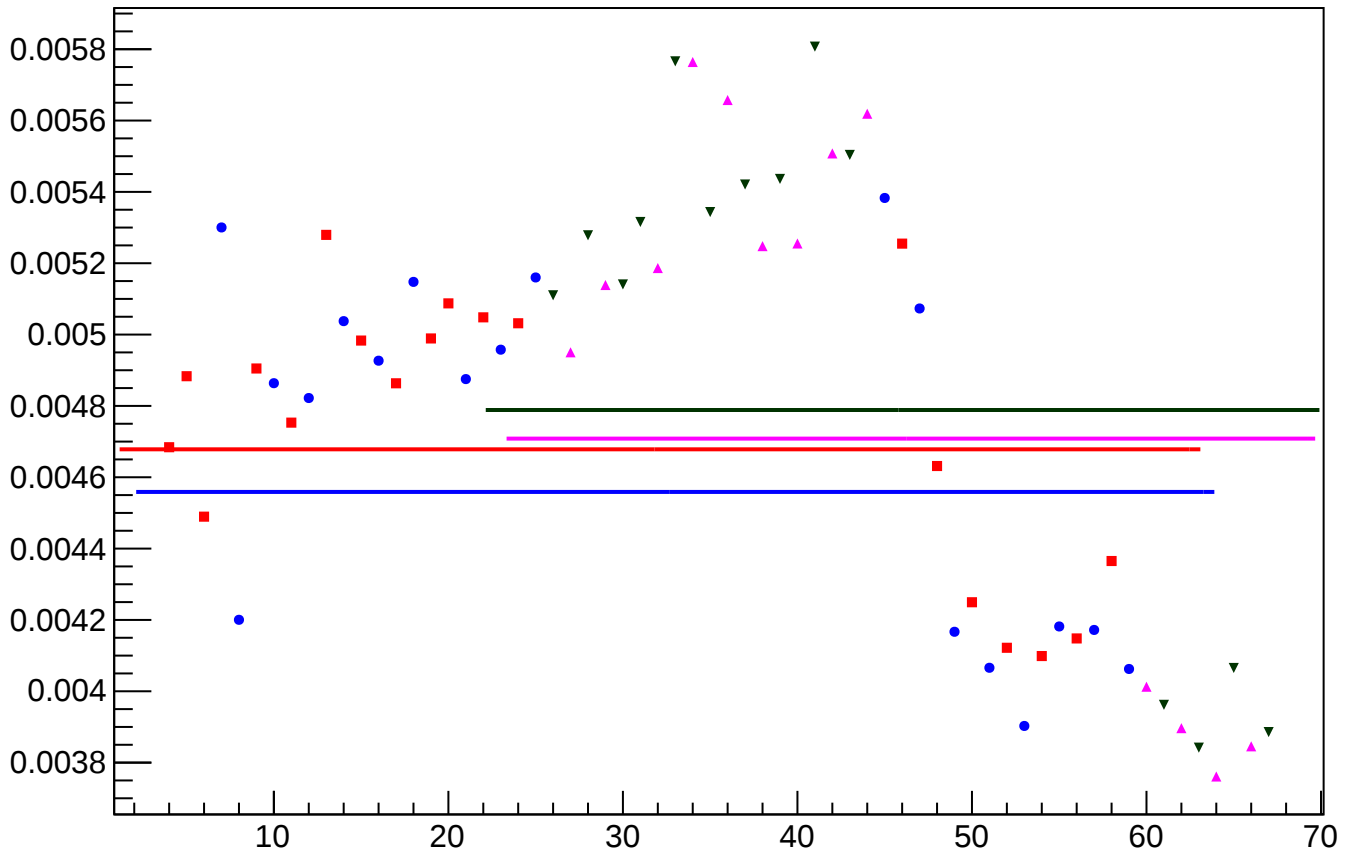
Right Out: -1.705 ± 0.000 χ^2/NDF : 45414052250.2/18

Left In: -1.260 ± 0.000 χ^2/NDF : 30782972595.7/12

-1.490 ± 0.000 χ^2/NDF : 124095978801.9/31

-1.513 ± 0.000 χ^2/NDF : 113721310329.1/31

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

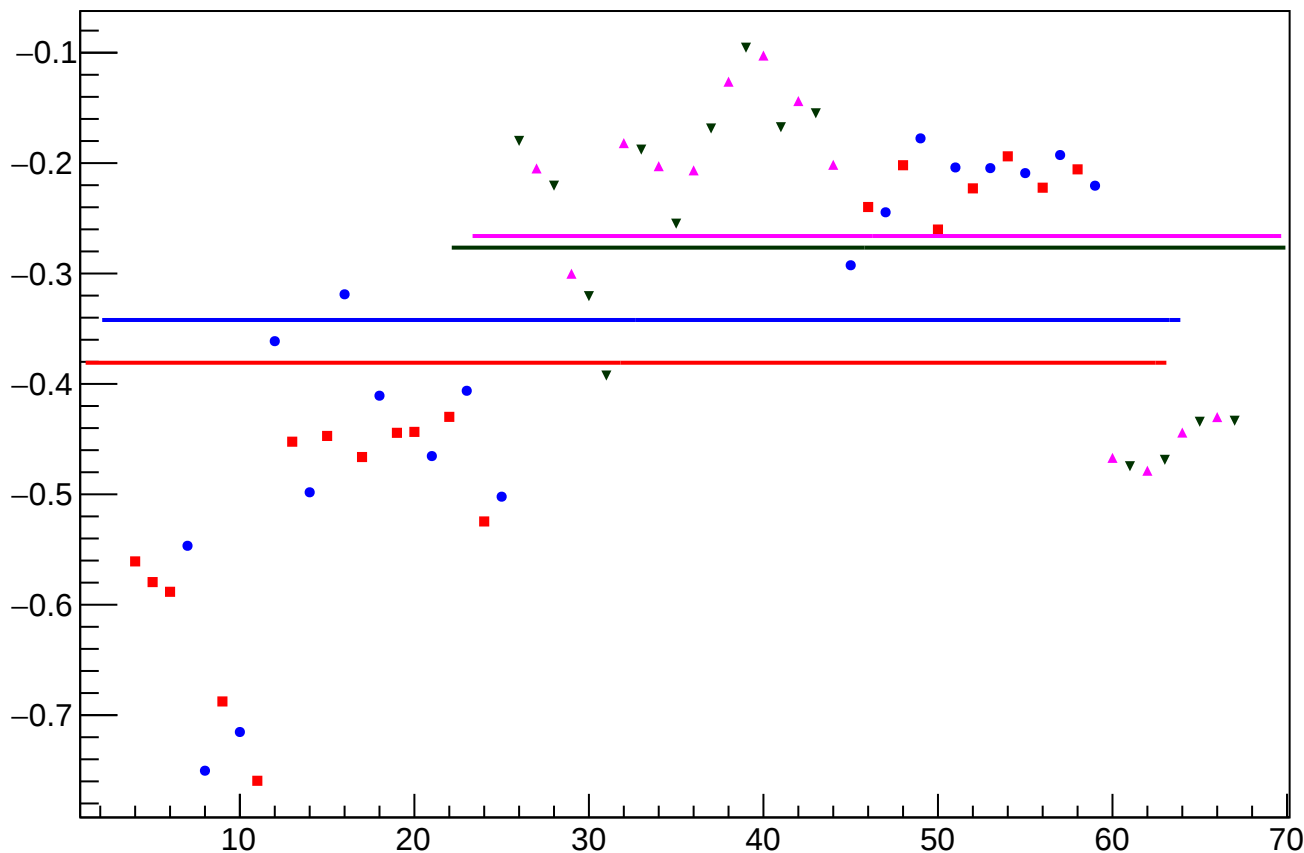
Right Out: 0.005+/-0.000 χ^2/NDF : 136426.0/18

Left In: 0.005+/-0.000 χ^2/NDF :353880.7/12

0.005+/-0.000 χ^2/NDF : 581892.7/31

0.005+/-0.000 χ^2/NDF : 490648.0/31

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

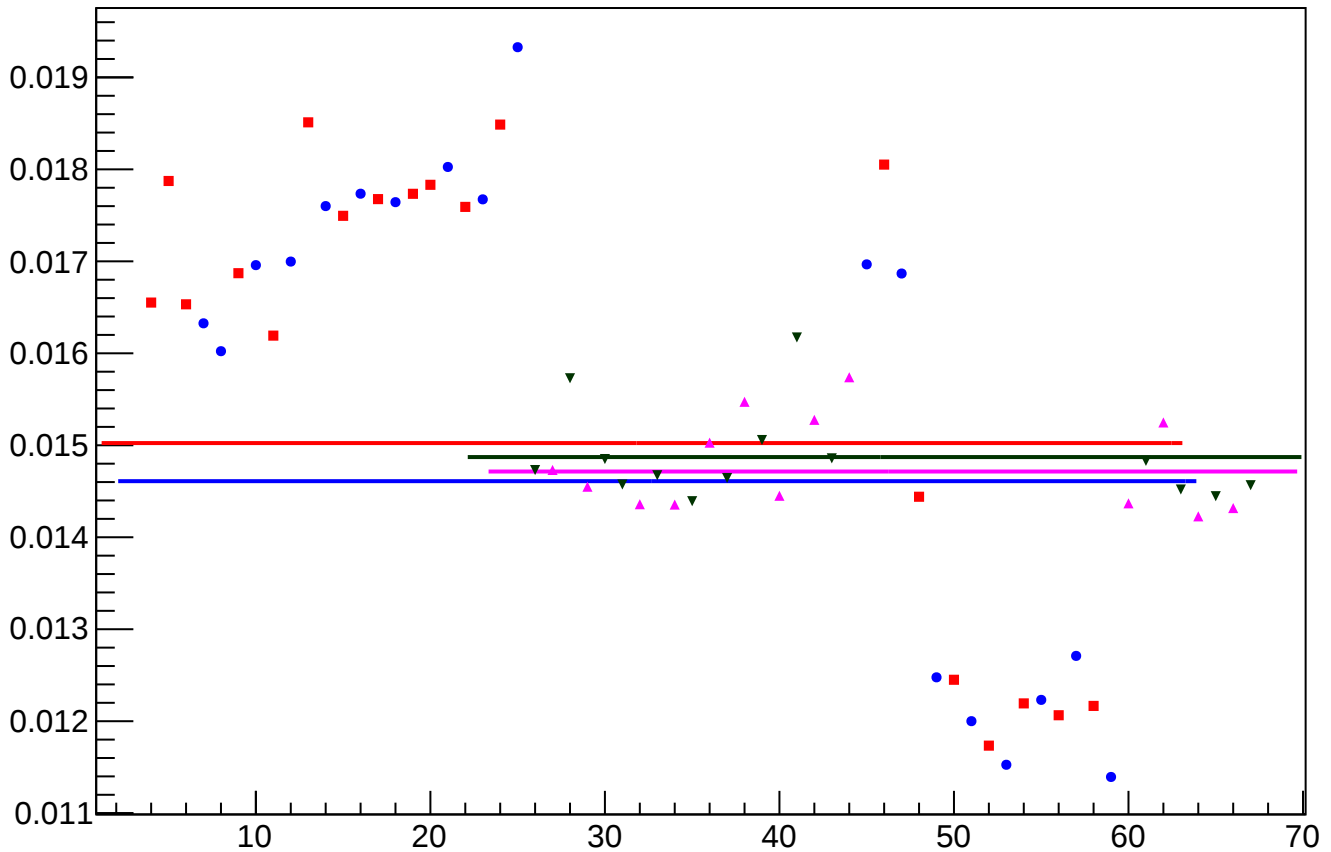
Right Out: -0.381+/-0.000 χ^2/NDF : 1387002500.9/18

Left In: -0.266+/-0.000 χ^2/NDF : 560015758.9/12

-0.316+/-0.000 χ^2/NDF : 2293060974.2/31

-0.328+/-0.000 χ^2/NDF : 2198285309.5/31

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

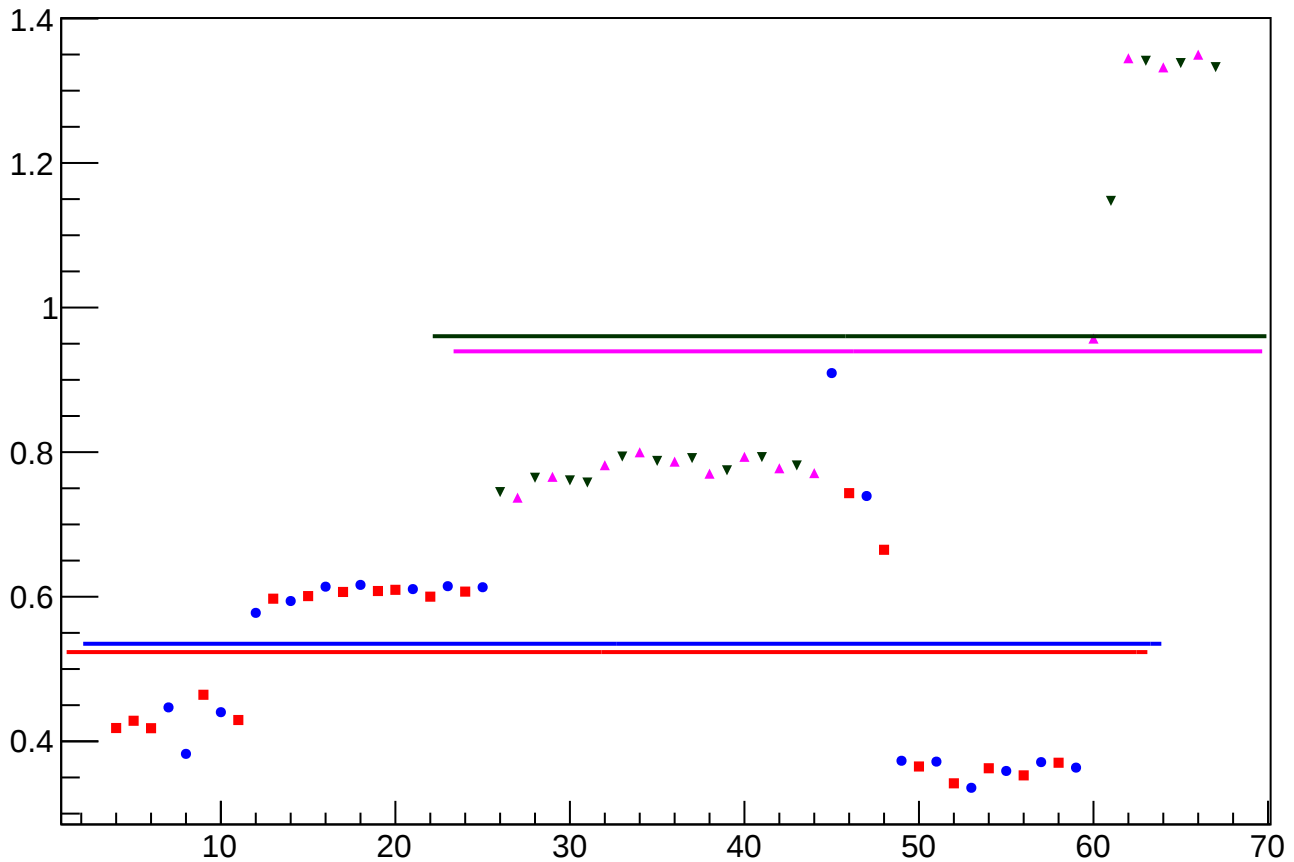
Right Out: 0.015+/-0.000 χ^2/NDF : 573783.3/18

Left In: 0.015+/-0.000 χ^2/NDF :14737.0/12

0.015+/-0.000 χ^2/NDF : 730403.4/31

0.015+/-0.000 χ^2/NDF : 592167.2/31

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

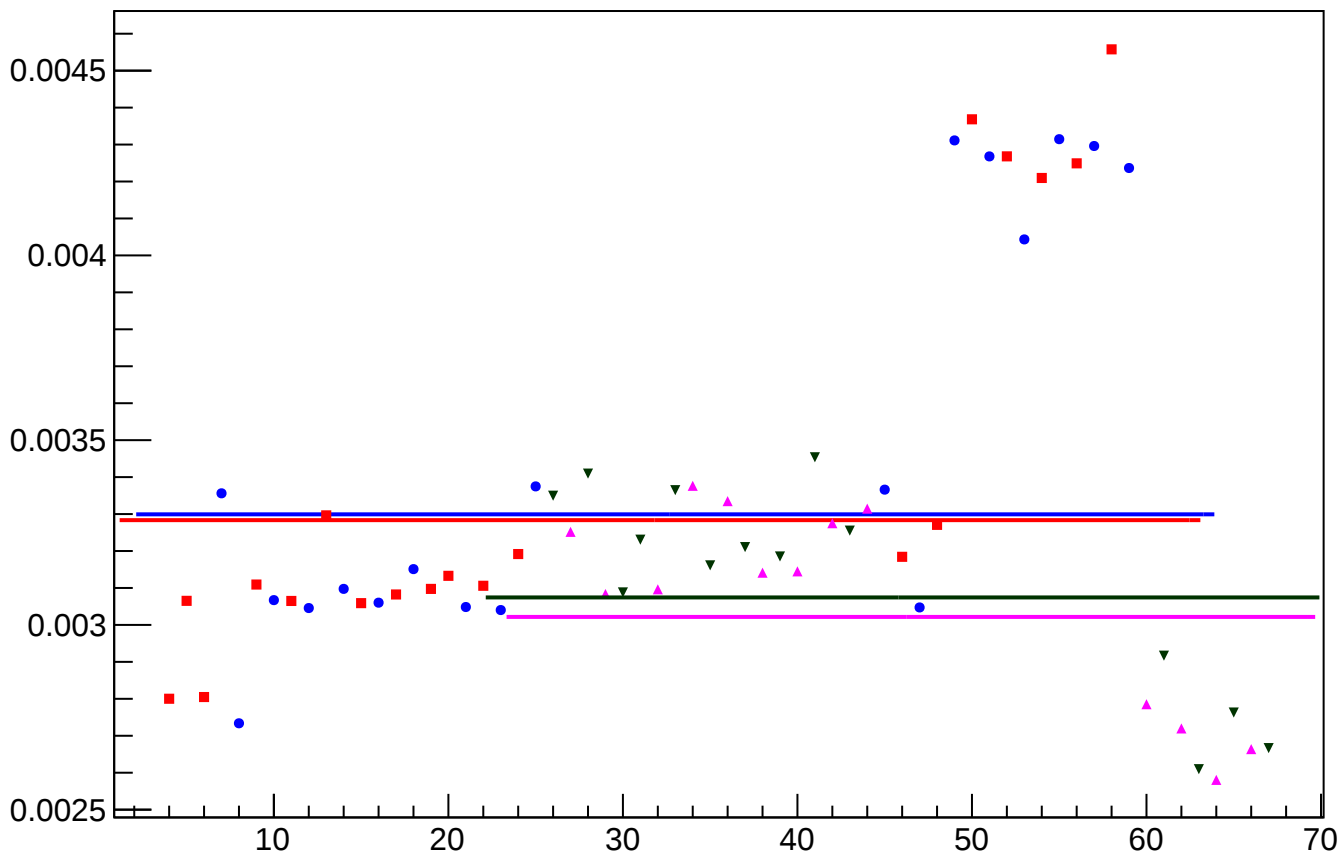
0.718+/-0.000 χ^2/NDF : 146963747810.1/31

Right Out: 0.523+/-0.000 χ^2/NDF : 11523934099.1/18

0.725+/-0.000 χ^2/NDF : 135744211932.7/31

Left In: 0.939+/-0.000 χ^2/NDF : 50678956347.0/12

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

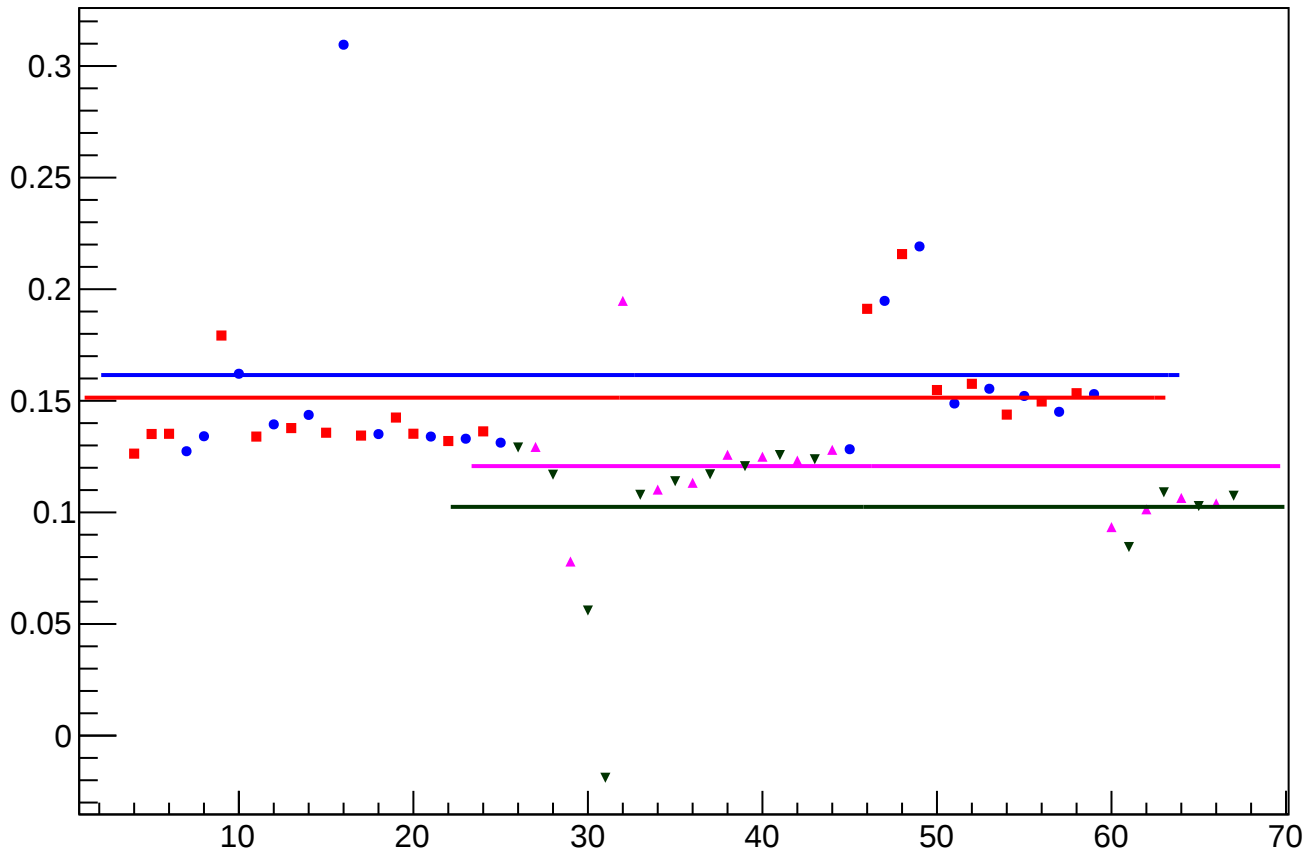
Right Out: 0.003+/-0.000 χ^2/NDF : 382277.8/18

Left In: 0.003+/-0.000 χ^2/NDF :116136.1/12

0.003+/-0.000 χ^2/NDF : 661586.6/31

0.003+/-0.000 χ^2/NDF : 556712.3/31

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

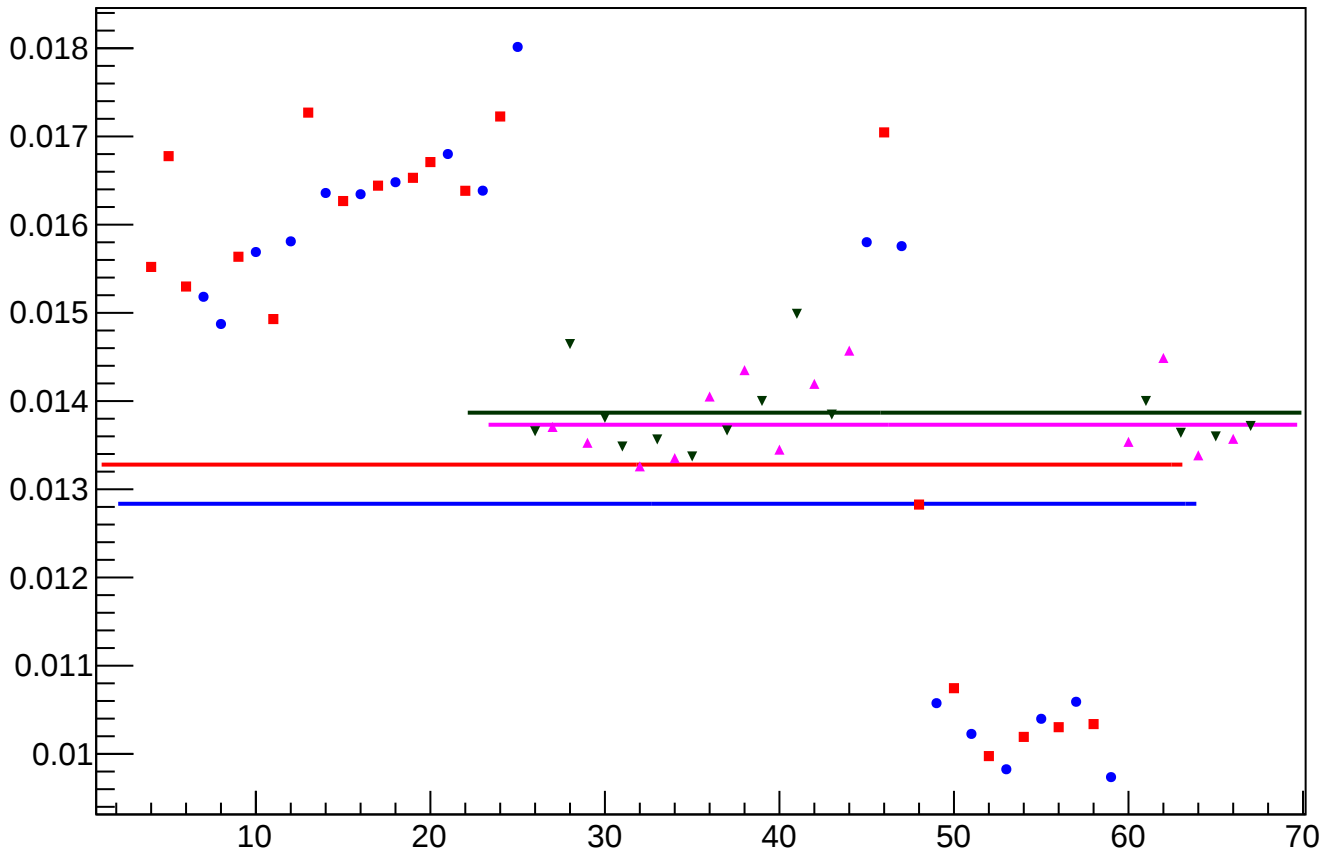
Right Out: 0.151 ± 0.000 χ^2/NDF : 22463584.0/18

Left In: 0.121 ± 0.000 χ^2/NDF : 41193073.9/12

0.139 ± 0.000 χ^2/NDF : 220850047.7/31

0.138 ± 0.000 χ^2/NDF : 85054255.4/31

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

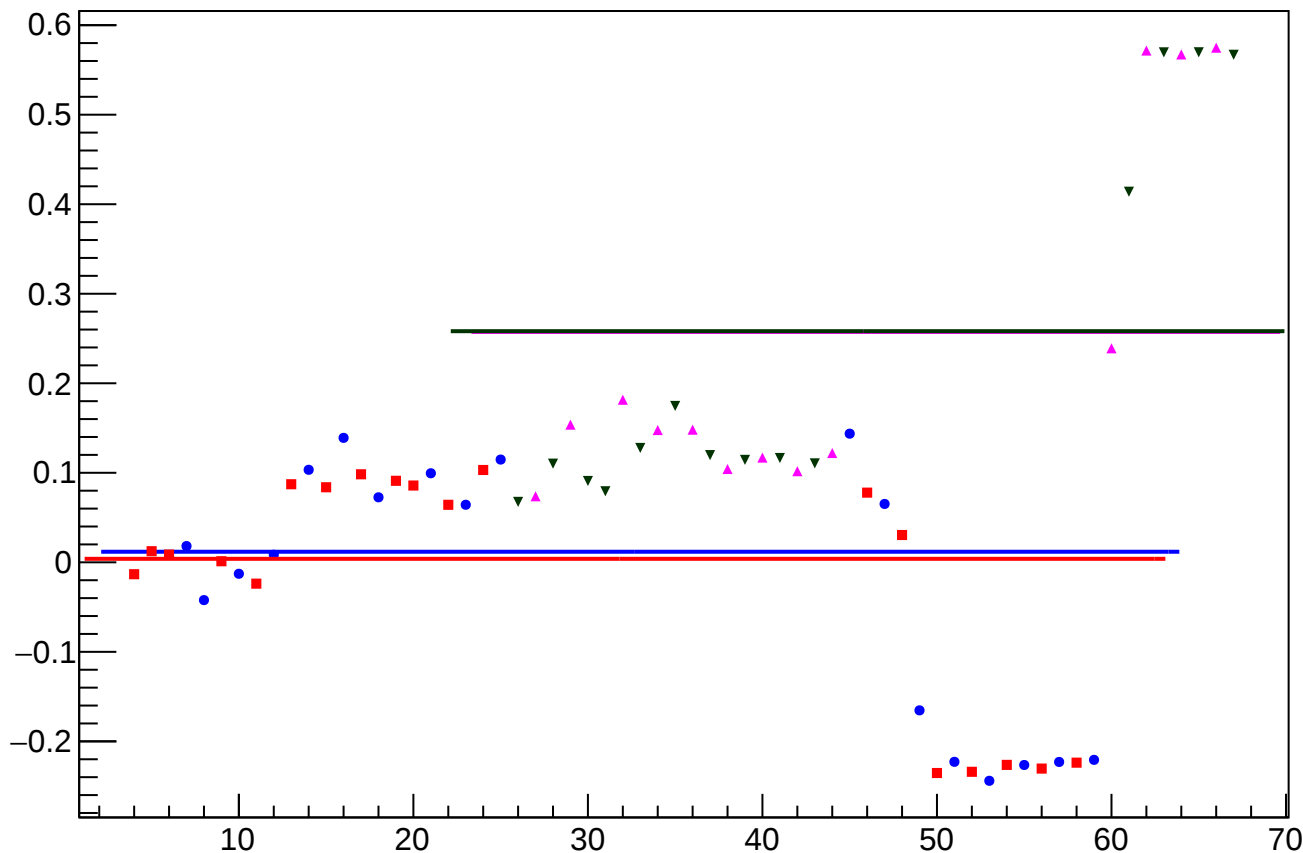
Right Out: 0.013+/-0.000 χ^2/NDF : 890007.3/18

Left In: 0.014+/-0.000 χ^2/NDF :14430.3/12

0.013+/-0.000 χ^2/NDF : 1153236.3/31

0.013+/-0.000 χ^2/NDF : 913735.9/31

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

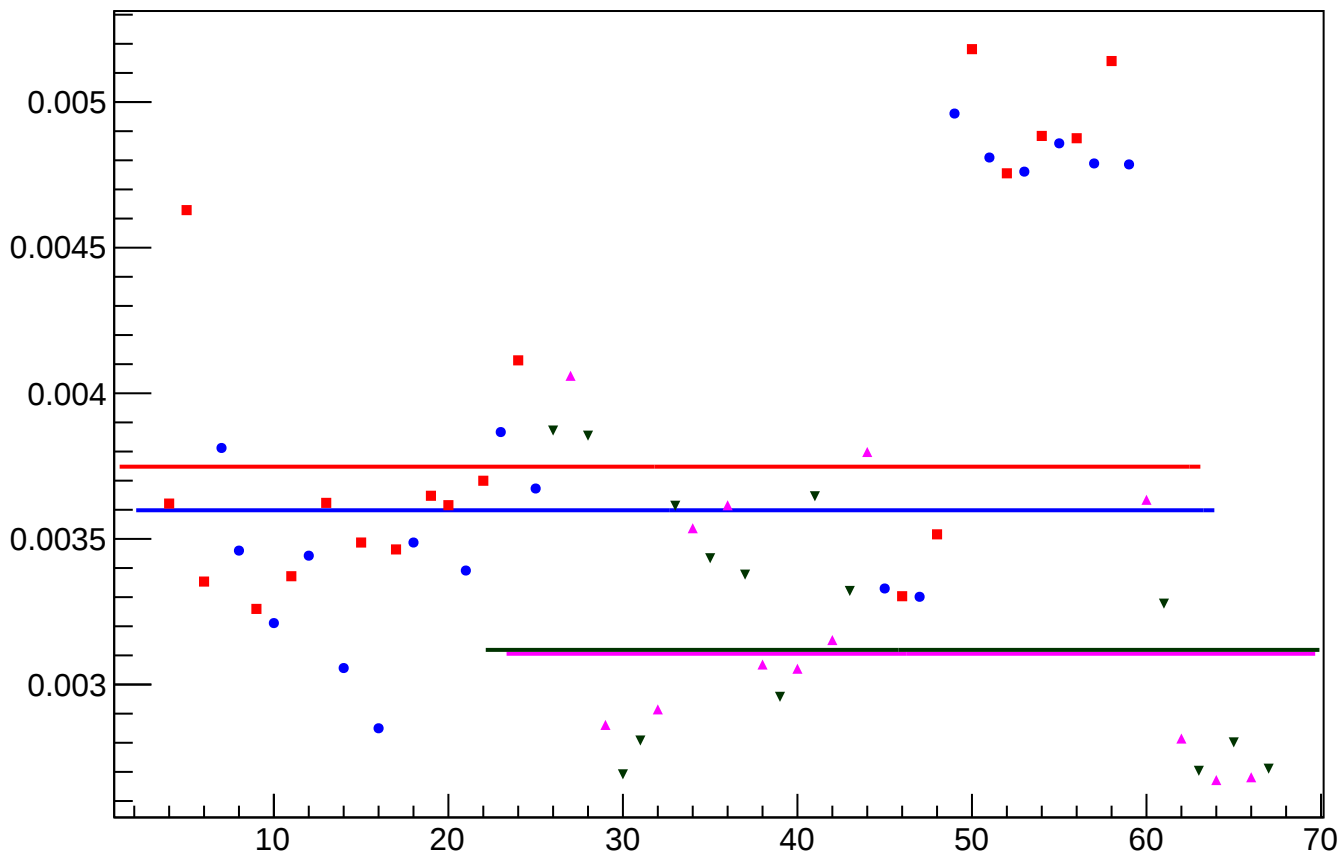
Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 7924148421.7/18

Left In: 0.257 $\pm$ 0.000 χ^2 /NDF: 28615919825.8/12

0.127 $\pm$ 0.000 χ^2 /NDF: 66238754488.4/31

0.140 $\pm$ 0.000 χ^2 /NDF: 59105881626.8/31

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

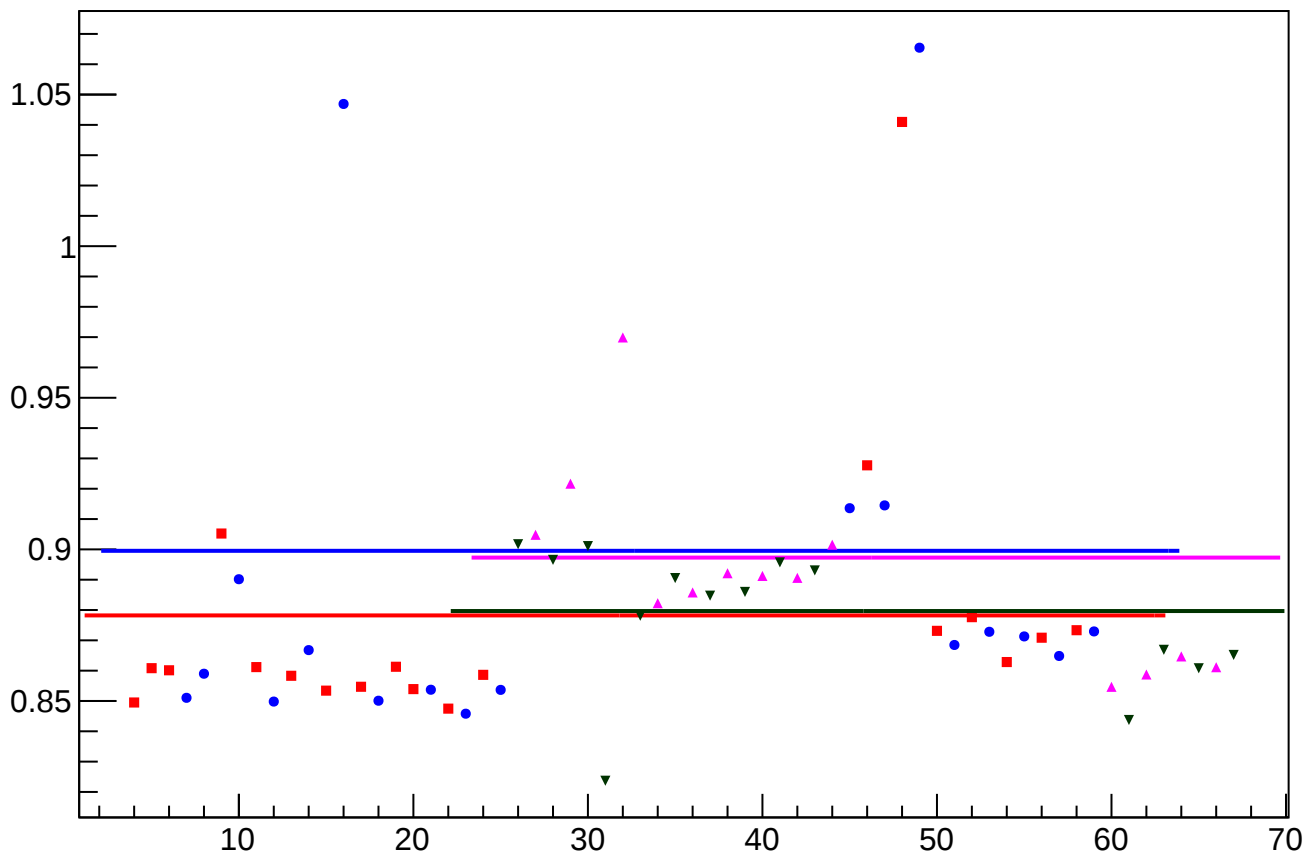
Right Out: 0.004 $\pm$ 0.000 χ^2/NDF : 427283.7/18

Left In: 0.003 $\pm$ 0.000 χ^2/NDF : 262007.3/12

0.003 $\pm$ 0.000 χ^2/NDF : 1088663.9/31

0.003 $\pm$ 0.000 χ^2/NDF : 979249.0/31

yield_bpm0l09X_mean vs slug



Right In: 0.900 ± 0.000 χ^2/NDF : 324904340.4/17

Left Out: 0.892 ± 0.000 χ^2/NDF : 16668402.2/13

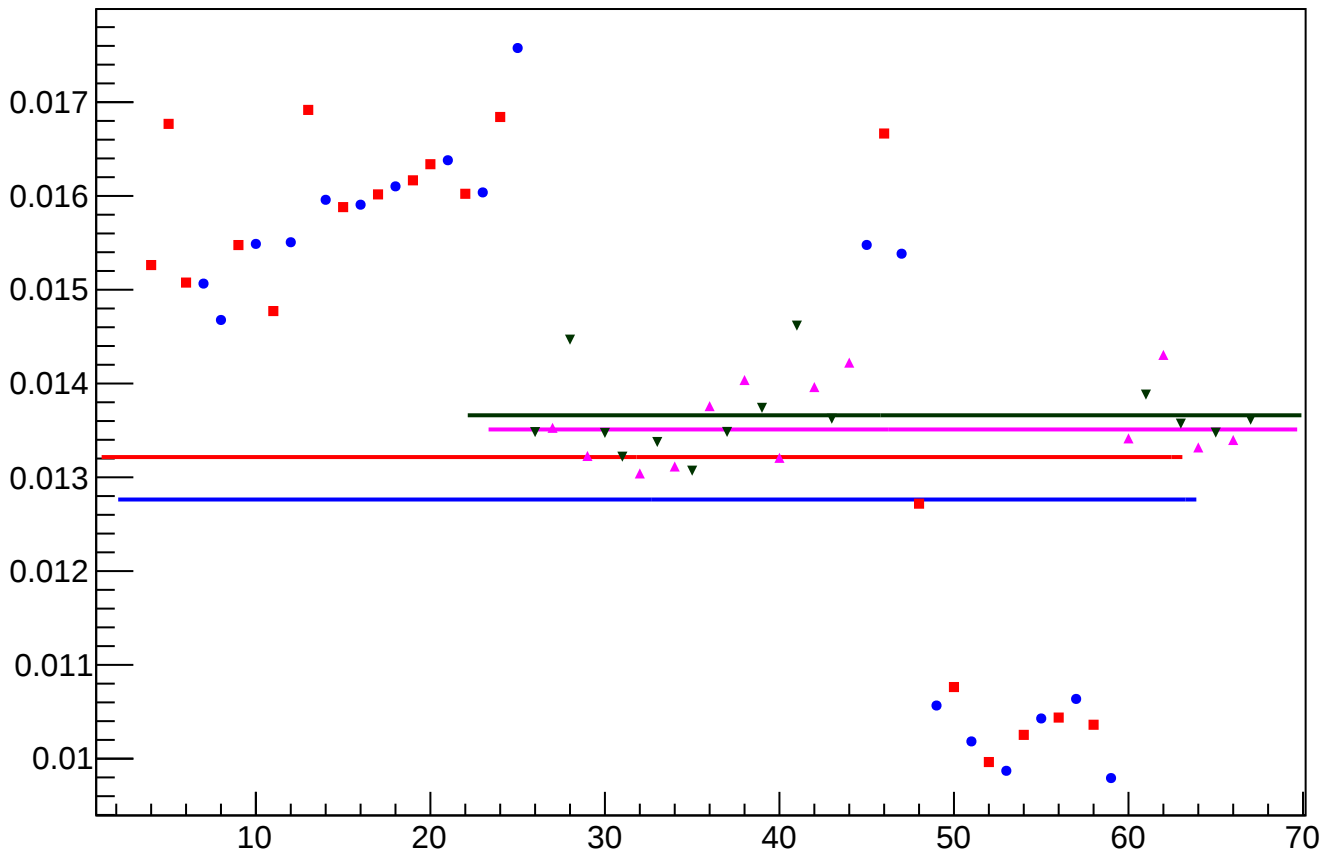
Right Out: 0.878 ± 0.000 χ^2/NDF : 92356263.0/18

Left In: 0.897 ± 0.000 χ^2/NDF : 47376346.5/12

0.892 ± 0.000 χ^2/NDF : 351142691.9/31

0.887 ± 0.000 χ^2/NDF : 148203266.0/31

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

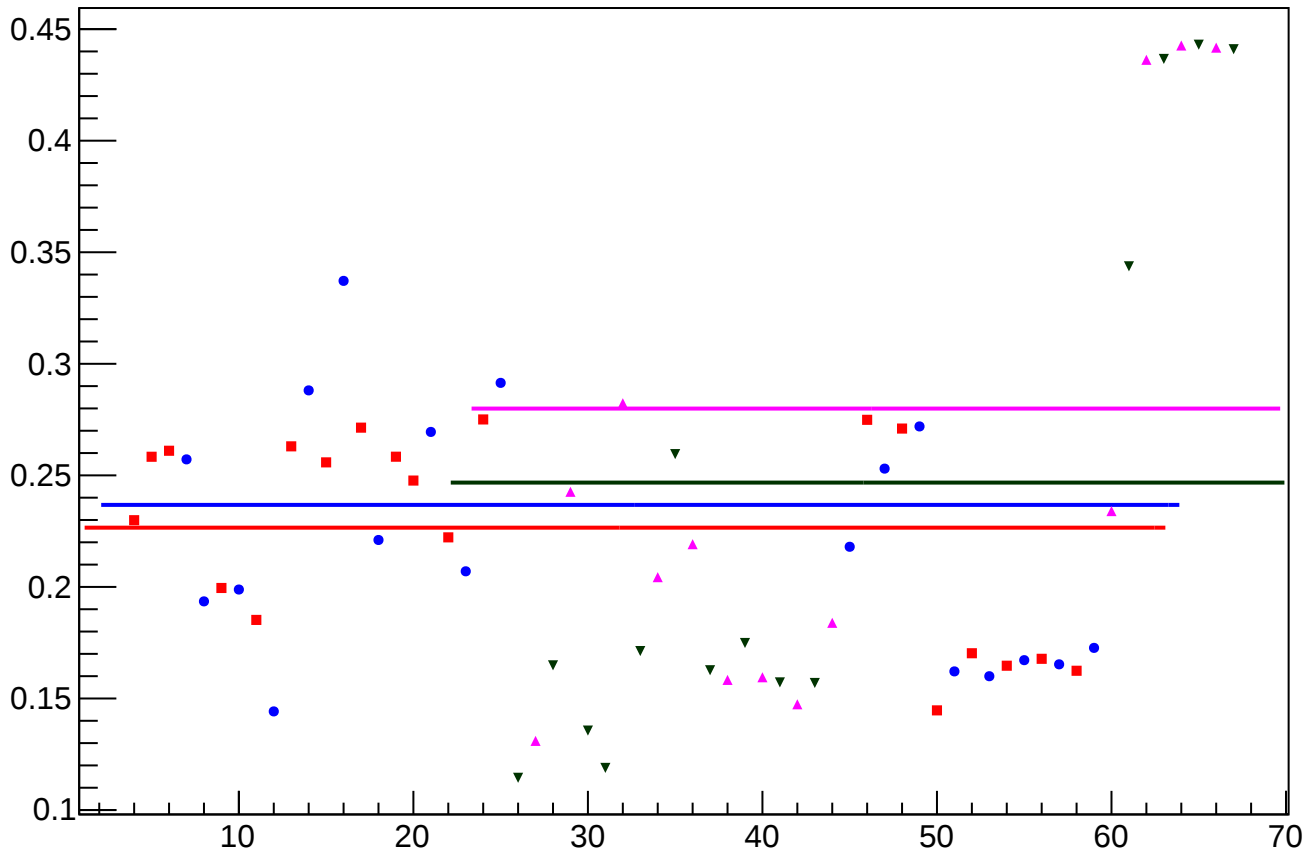
Right Out: 0.013+/-0.000 χ^2/NDF : 798846.8/18

Left In: 0.014+/-0.000 χ^2/NDF :13146.1/12

0.013+/-0.000 χ^2/NDF : 1033062.8/31

0.013+/-0.000 χ^2/NDF : 816028.4/31

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

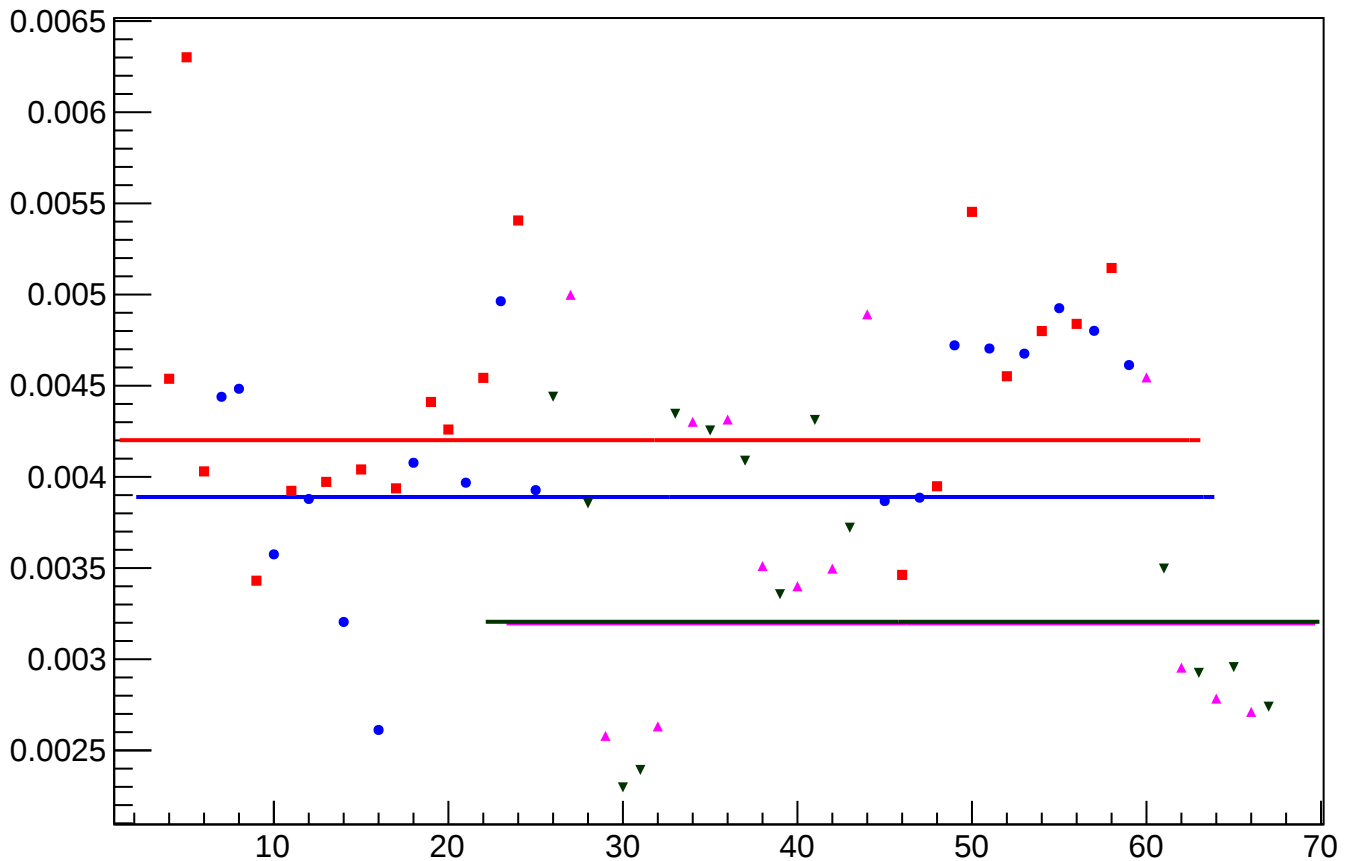
Right Out: 0.227 $\pm$ 0.000 χ^2/NDF : 943883207.4/18

Left In: 0.280 $\pm$ 0.000 χ^2/NDF : 8151238933.2/12

0.242 $\pm$ 0.000 χ^2/NDF : 13650182324.1/31

0.257 $\pm$ 0.000 χ^2/NDF : 9918756041.4/31

yield_bpm0l09Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 695729.3/17

Left Out: 0.003+/-0.000 χ^2/NDF : 661913.3/13

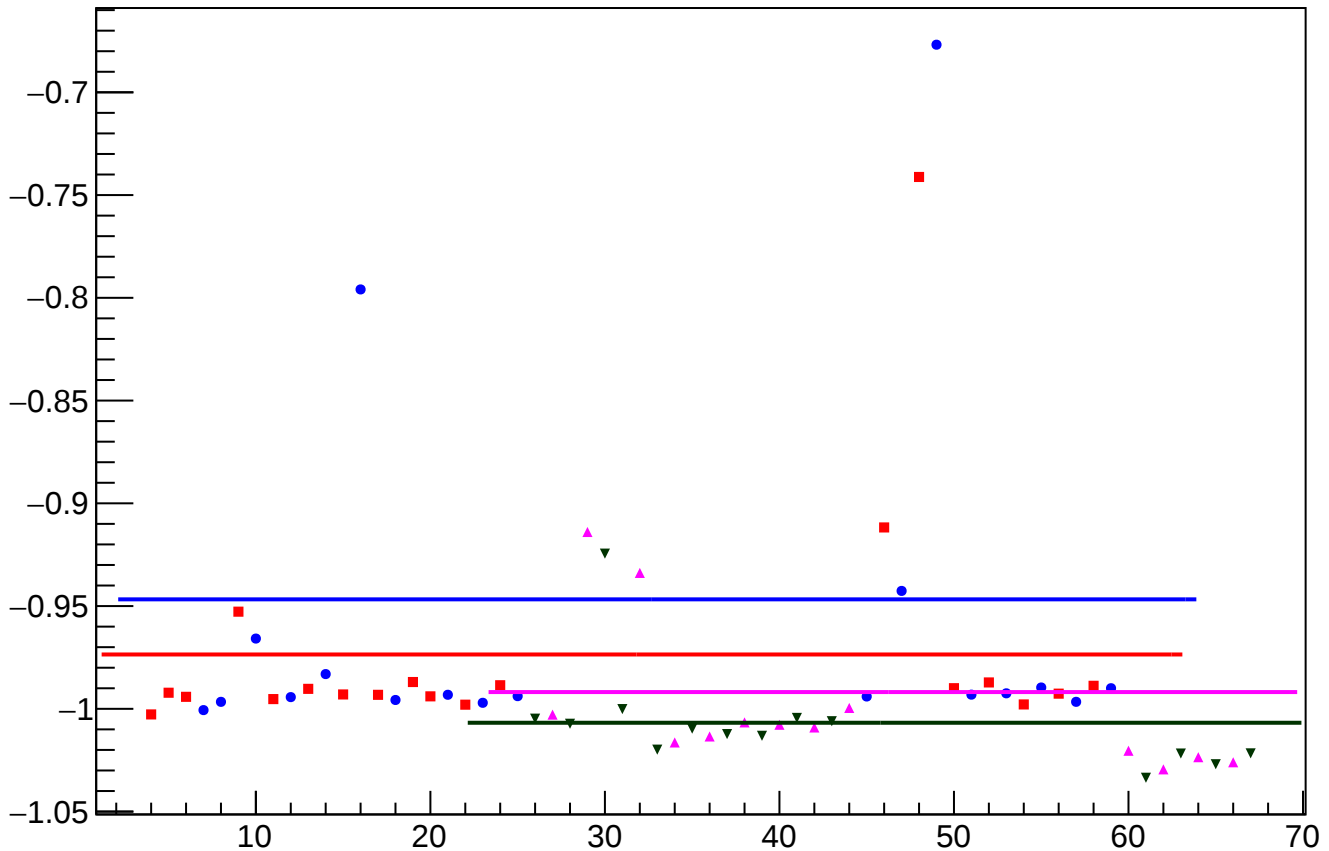
Right Out: 0.004+/-0.000 χ^2/NDF : 341340.8/18

Left In: 0.003+/-0.000 χ^2/NDF : 776727.3/12

0.004+/-0.000 χ^2/NDF : 1664579.3/31

0.004+/-0.000 χ^2/NDF : 1702126.8/31

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

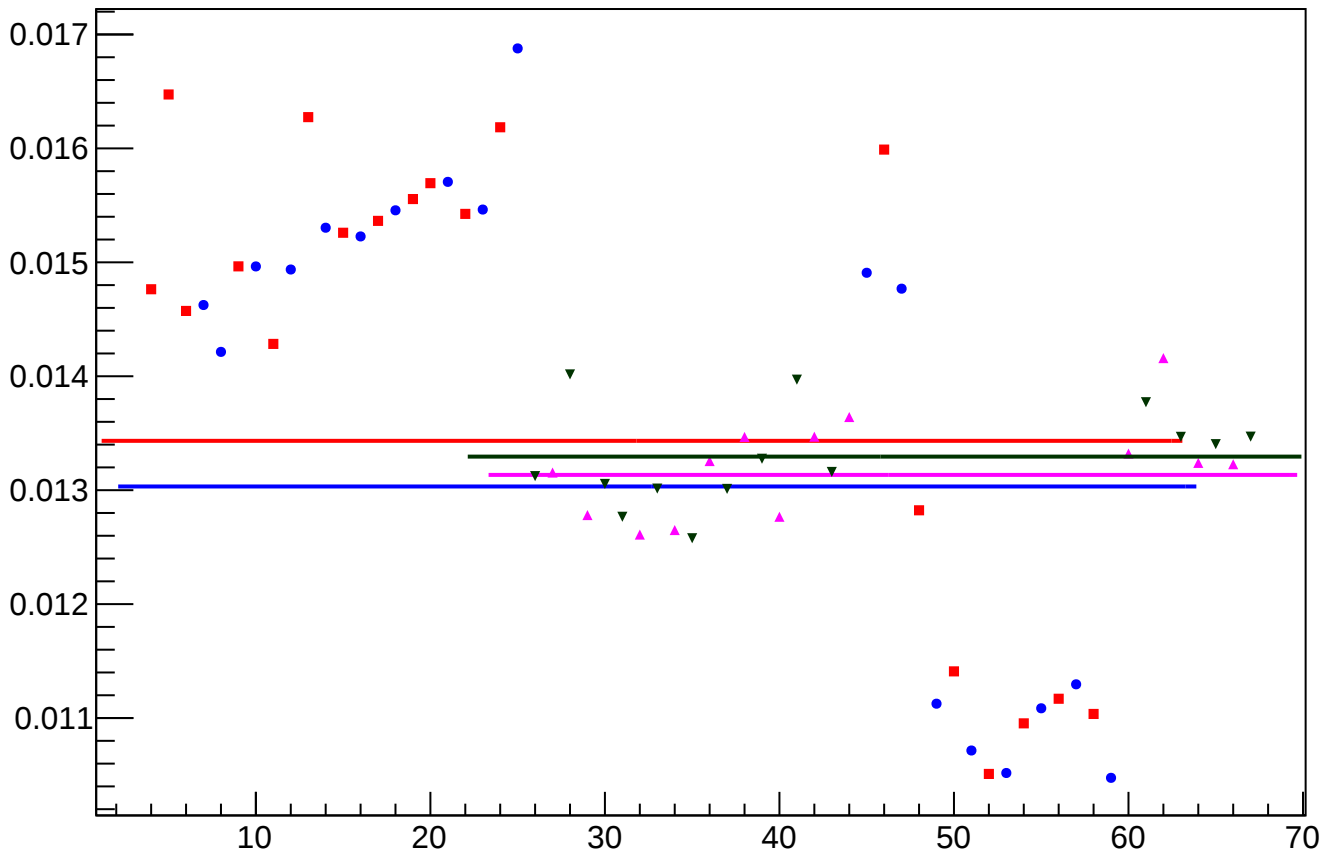
Right Out: -0.974+/-0.000 χ^2/NDF : 174691792.1/18

Left In: -0.992+/-0.000 χ^2/NDF : 68231290.5/12

-0.970+/-0.000 χ^2/NDF : 777984314.9/31

-0.982+/-0.000 χ^2/NDF : 250886861.7/31

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

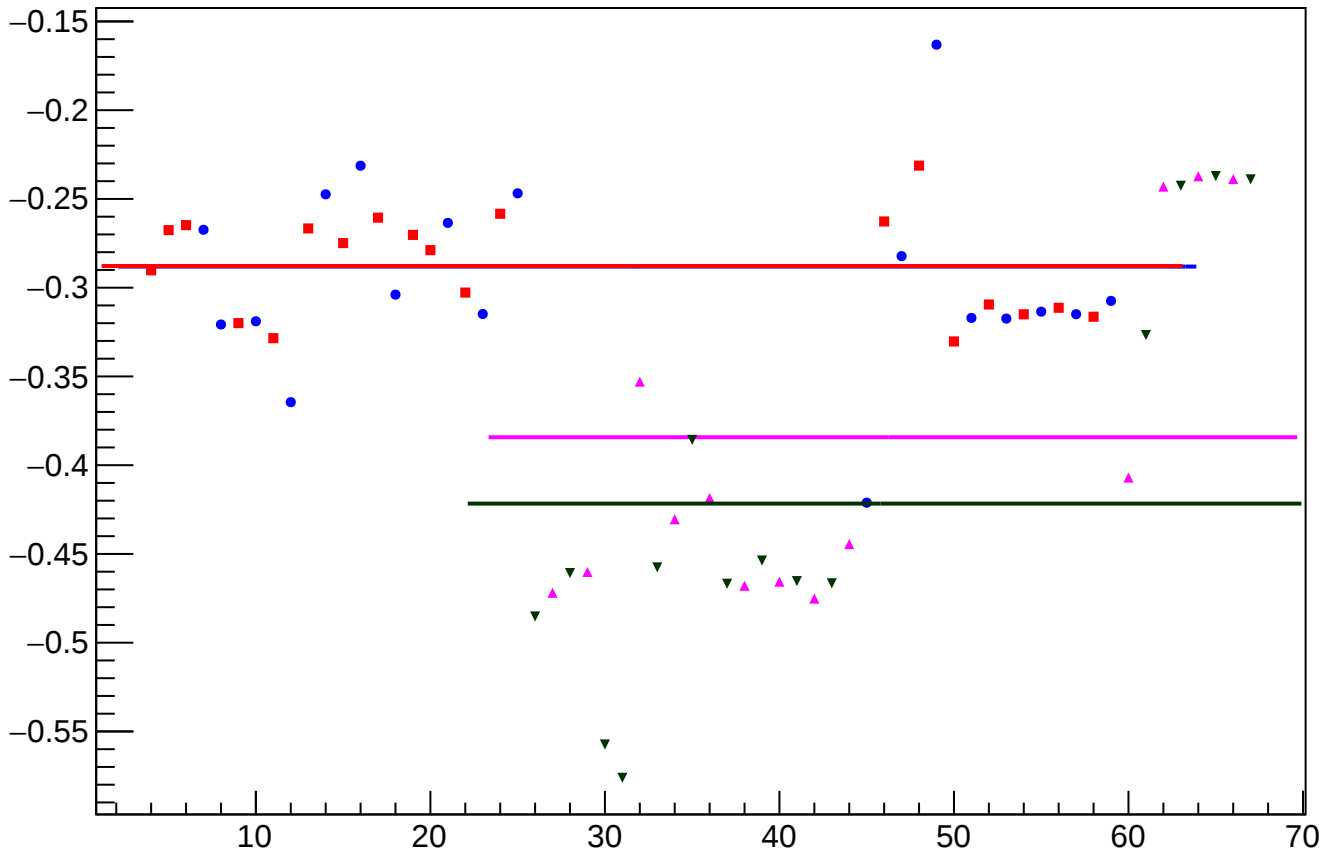
Right Out: 0.013+/-0.000 χ^2/NDF : 479245.1/18

Left In: 0.013+/-0.000 χ^2/NDF : 14565.6/12

0.013+/-0.000 χ^2/NDF : 605284.9/31

0.013+/-0.000 χ^2/NDF : 498067.5/31

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

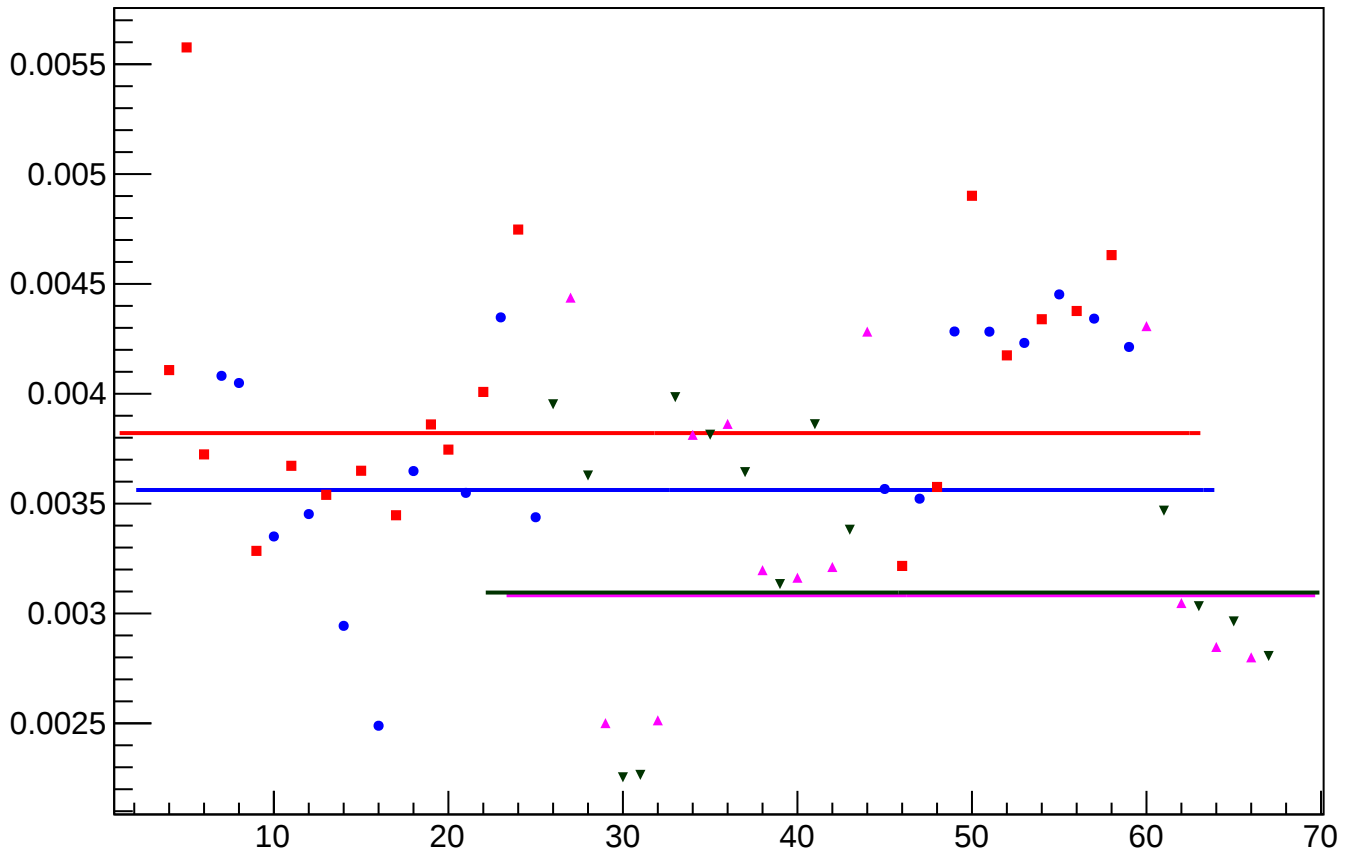
-0.349+/-0.000 χ^2/NDF : 19583793273.6/31

Right Out: -0.288+/-0.000 χ^2/NDF : 515794849.9/18

-0.340+/-0.000 χ^2/NDF : 9889695024.8/31

Left In: -0.384+/-0.000 χ^2/NDF : 6232126249.9/12

yield_bpm0l10Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 588741.6/17

Left Out: 0.003+/-0.000 χ^2/NDF : 487602.2/13

Right Out: 0.004+/-0.000 χ^2/NDF : 282191.6/18

Left In: 0.003+/-0.000 χ^2/NDF : 567194.6/12

0.003+/-0.000 χ^2/NDF : 1240110.3/31

0.003+/-0.000 χ^2/NDF : 1217404.9/31