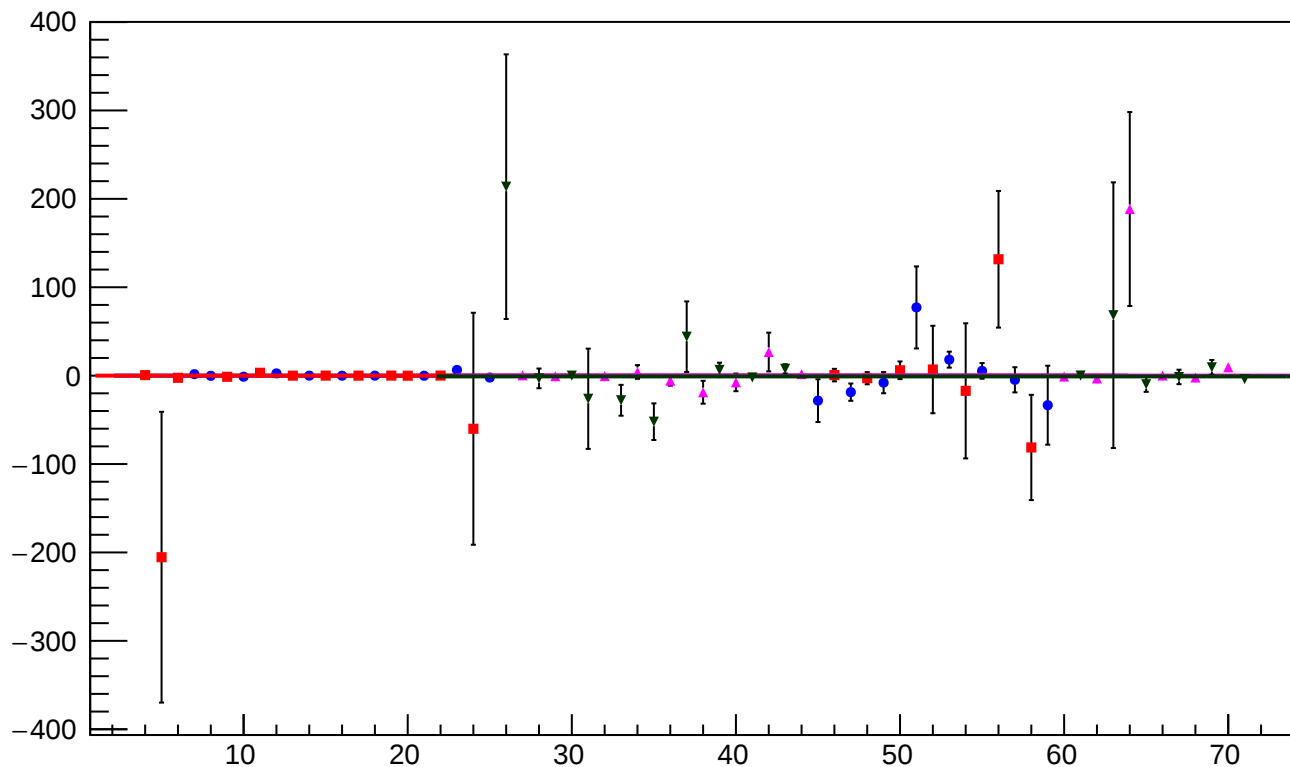


diff_cav4bX_mean vs slug



Right In: -0.014 $\pm$ 0.014

Left Out: -0.842 $\pm$ 1.136

Right Out: 0.017 $\pm$ 0.016

Left In: 0.070 $\pm$ 0.073

χ^2 /NDF: 31.2/17

χ^2 /NDF: 20.1/15

χ^2 /NDF: 24.7/18

χ^2 /NDF: 24.8/14

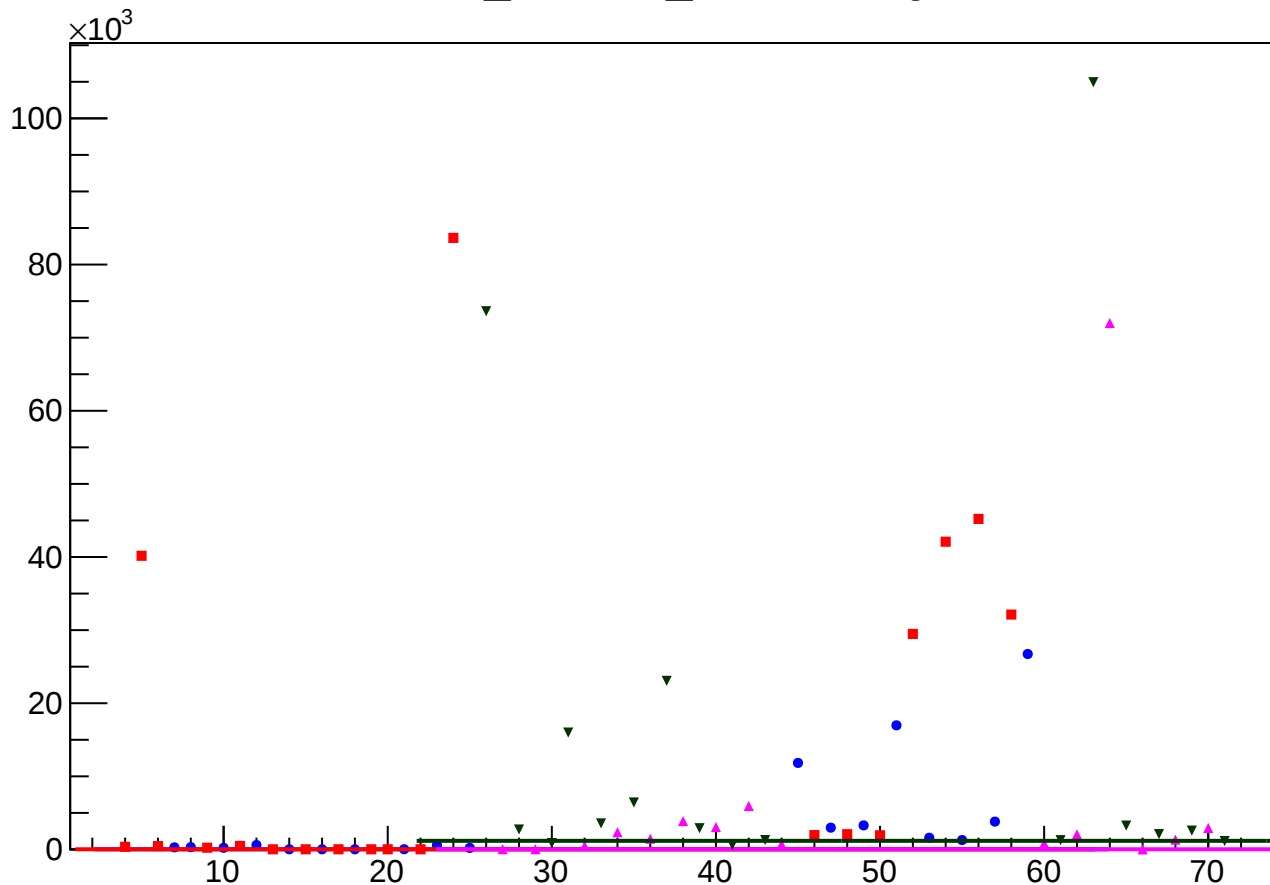
-0.014 $\pm$ 0.014

0.019 $\pm$ 0.016

χ^2 /NDF: 51.8/33

χ^2 /NDF: 50.0/33

diff_cav4bX_rms vs slug



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

Left Out: 1178.951 $\pm$ 0.804 χ^2/NDF : 2838185.4/15

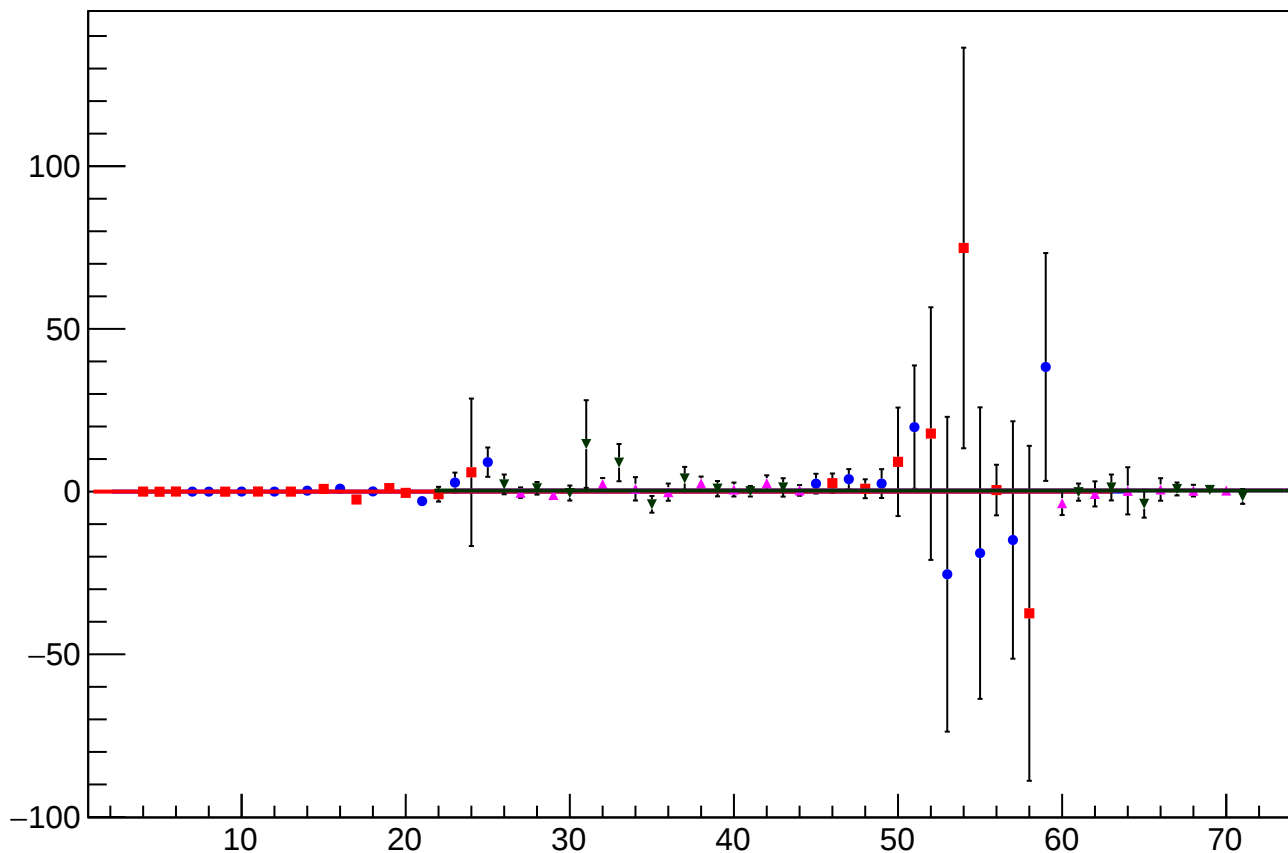
Right Out: 22.611 $\pm$ 0.011 χ^2/NDF : 4395534.2/18

Left In: 24.434 $\pm$ 0.052 χ^2/NDF : 4613530.3/14

22.613 $\pm$ 0.010 χ^2/NDF : 7713971.3/33

22.696 $\pm$ 0.011 χ^2/NDF : 9010257.4/33

diff_cav4bY_mean vs slug



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

Left Out: 0.327 ± 0.607 χ^2/NDF : 9.7/15

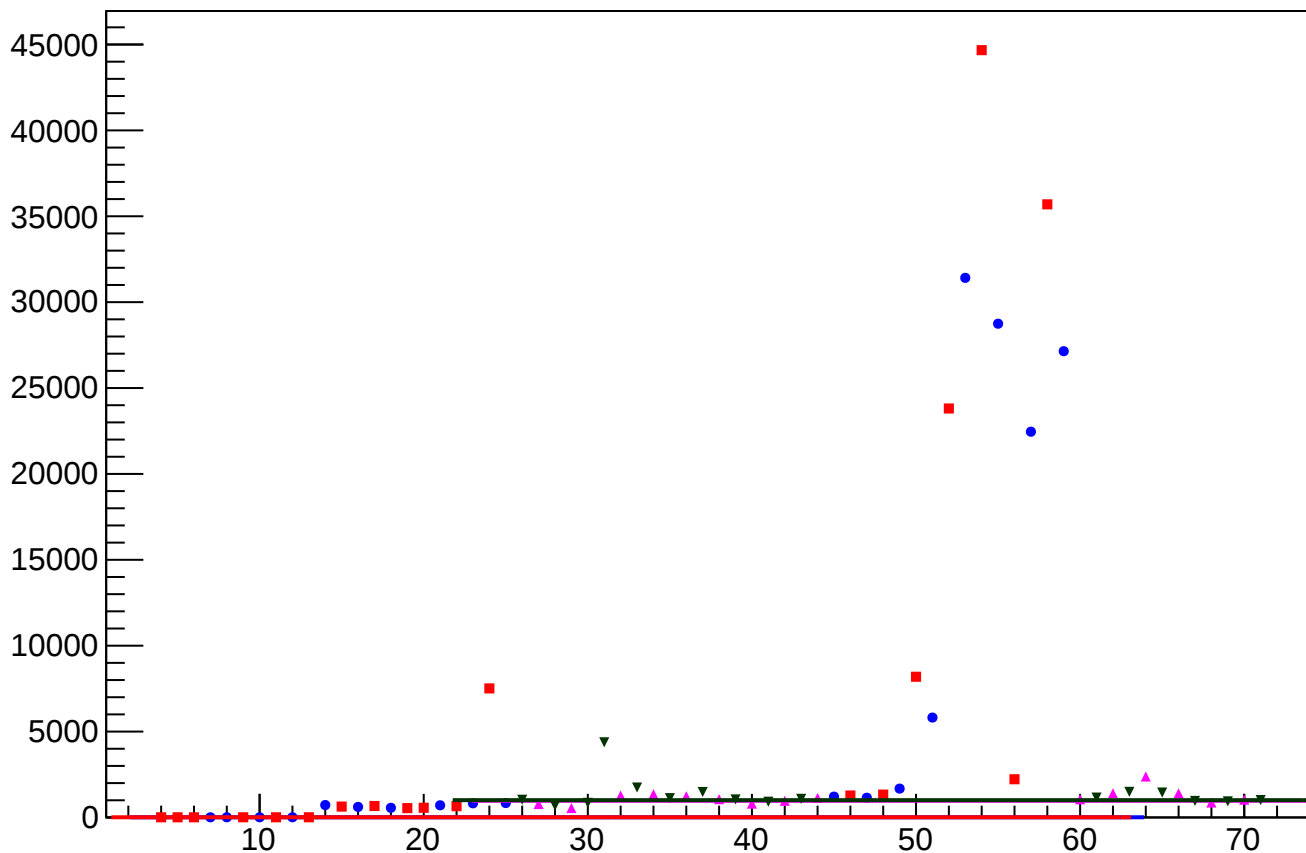
Right Out: 0.002 ± 0.005 χ^2/NDF : 20.3/18

Left In: 0.377 ± 0.536 χ^2/NDF : 5.6/14

-0.001 ± 0.006 χ^2/NDF : 33.6/33

0.002 ± 0.005 χ^2/NDF : 26.4/33

diff_cav4bY_rms vs slug



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

Left Out: 1005.905+/-0.429 χ^2/NDF : 334307.2/15

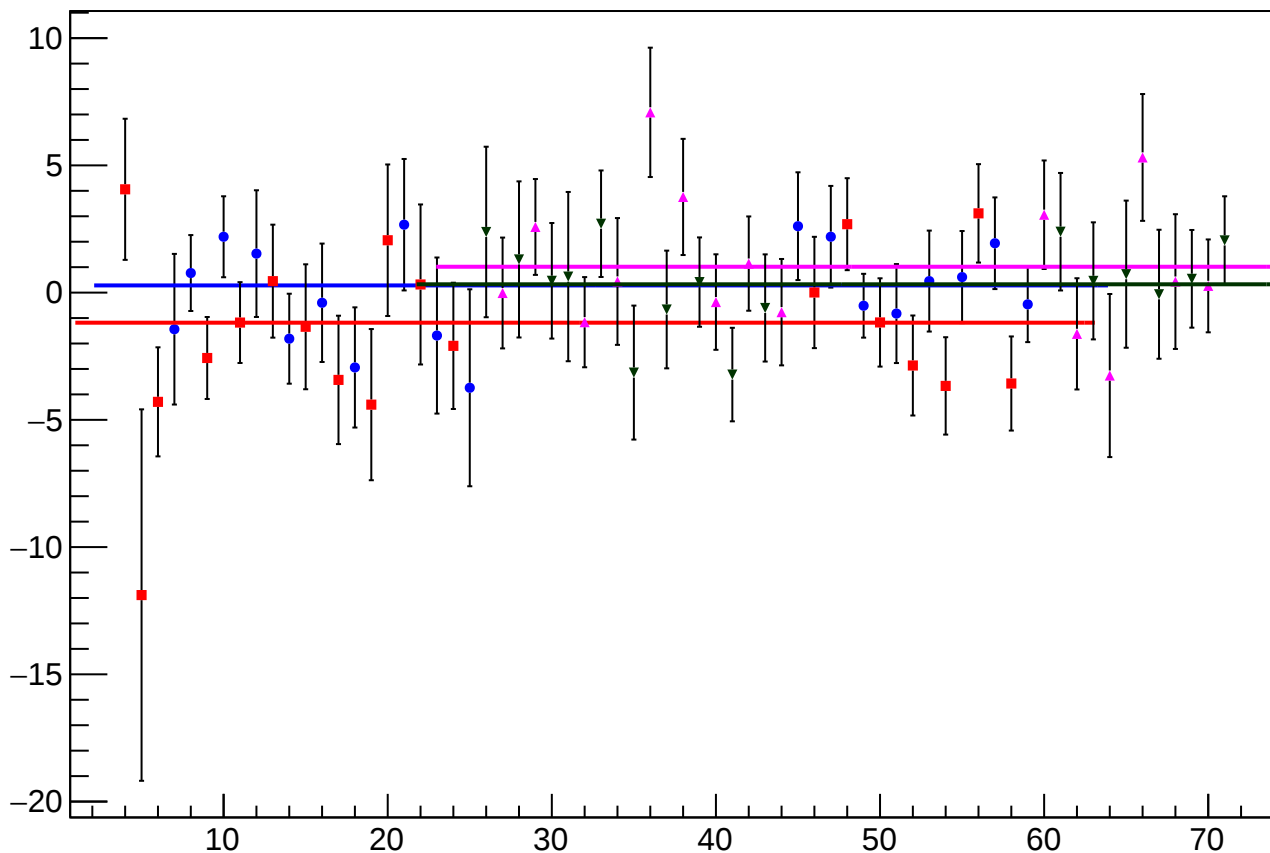
Right Out: 10.086+/-0.004 χ^2/NDF : 6750125.6/18

Left In: 970.109+/-0.379 χ^2/NDF : 501745.9/14

10.621+/-0.005 χ^2/NDF : 14674857.2/33

10.185+/-0.004 χ^2/NDF : 13675492.3/33

diff_cav4cX_mean vs slug



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

Left Out: 0.327 ± 0.564 χ^2/NDF : 9.5/15

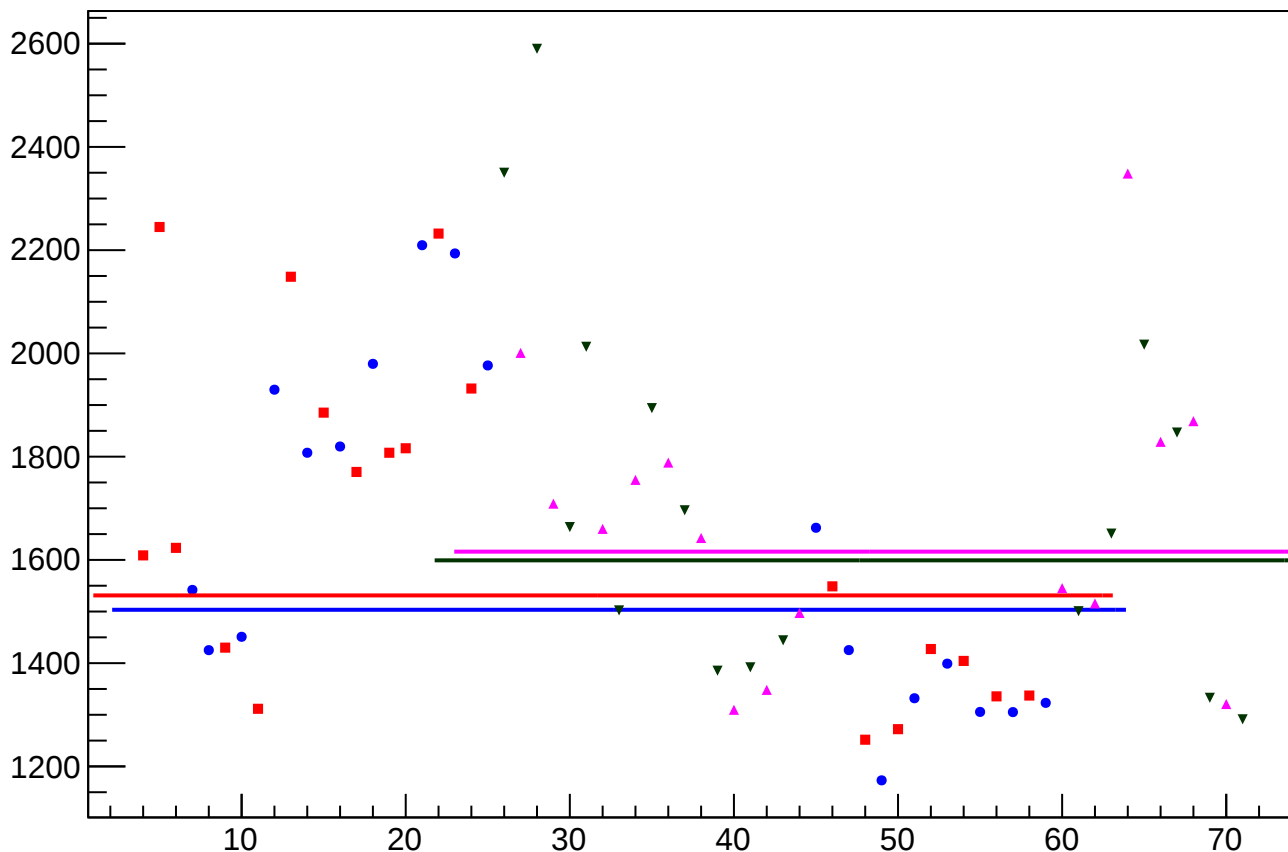
Right Out: -1.182 ± 0.494 χ^2/NDF : 26.5/18

Left In: 1.016 ± 0.554 χ^2/NDF : 18.2/14

0.300 ± 0.354 χ^2/NDF : 21.3/33

-0.210 ± 0.369 χ^2/NDF : 53.6/33

diff_cav4cX_rms vs slug



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

Left Out: 1599.160+/-0.399 χ^2/NDF : 607678.9/15

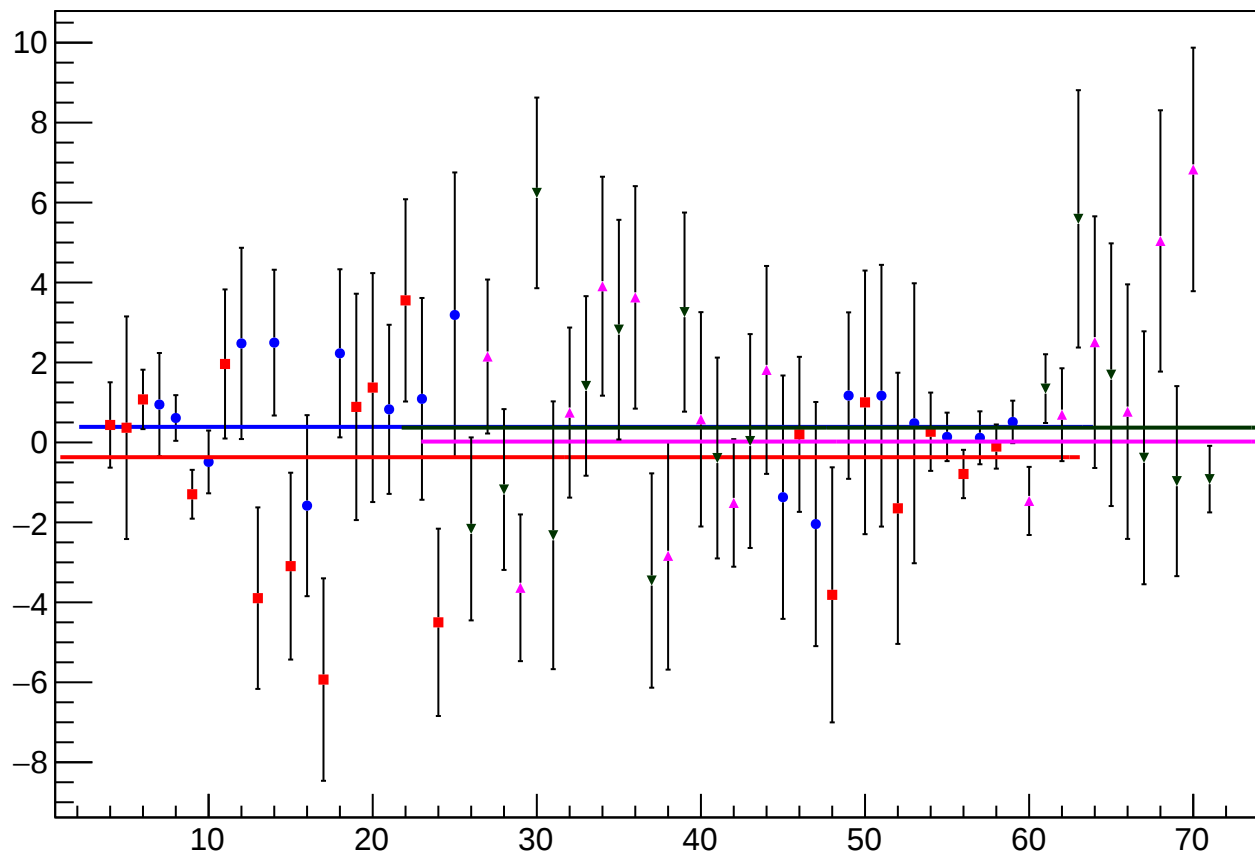
Right Out: 1531.211+/-0.349 χ^2/NDF : 621310.9/18

Left In: 1616.001+/-0.392 χ^2/NDF : 381876.2/14

1541.179+/-0.251 χ^2/NDF : 1419334.3/33

1568.711+/-0.261 χ^2/NDF : 1029282.8/33

diff_cav4cY_mean vs slug



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

Left Out: 0.370 ± 0.452 χ^2/NDF : 19.9/15

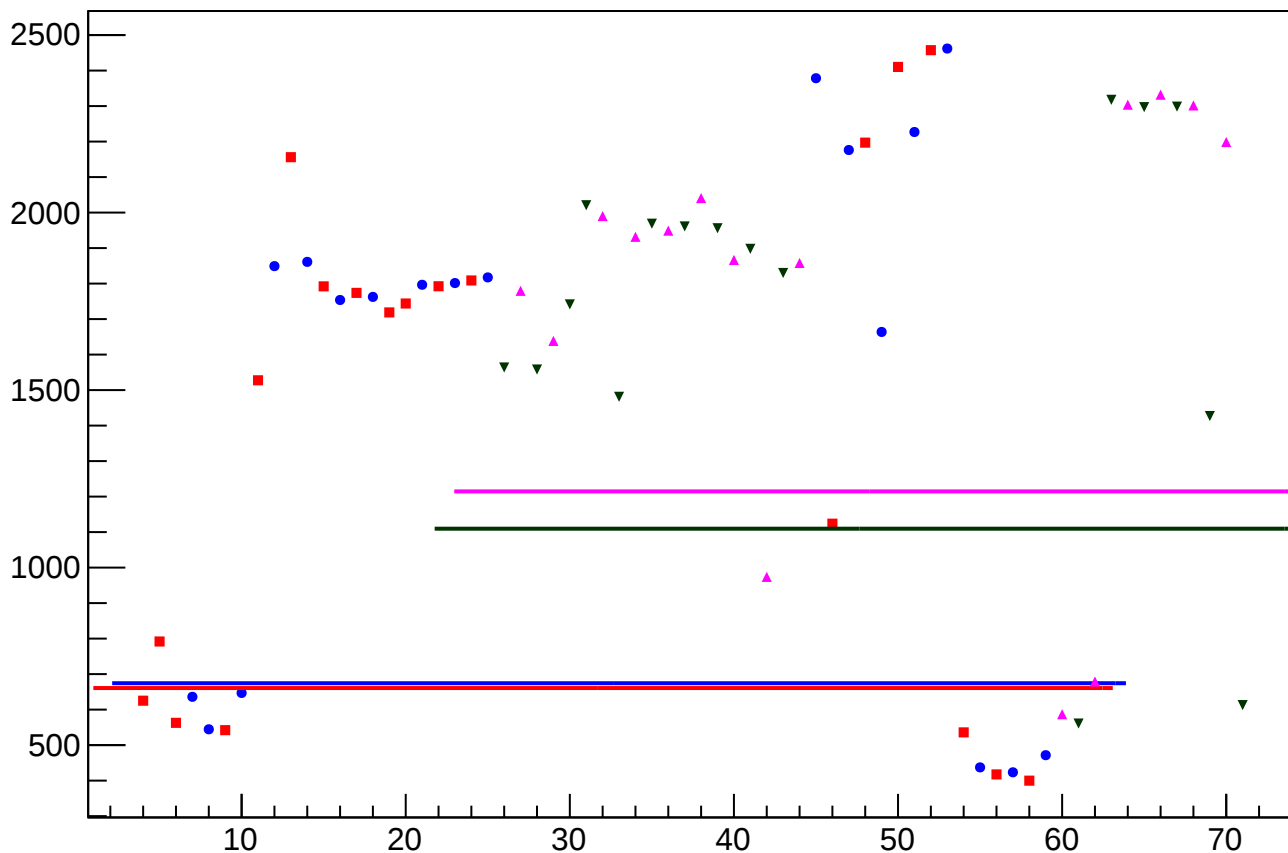
Right Out: -0.369 ± 0.263 χ^2/NDF : 25.7/18

Left In: 0.021 ± 0.478 χ^2/NDF : 22.9/14

0.385 ± 0.220 χ^2/NDF : 27.4/33

-0.279 ± 0.230 χ^2/NDF : 49.0/33

diff_cav4cY_rms vs slug



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

Left Out: 1109.597+/-0.320 χ^2/NDF :3880329.6/15

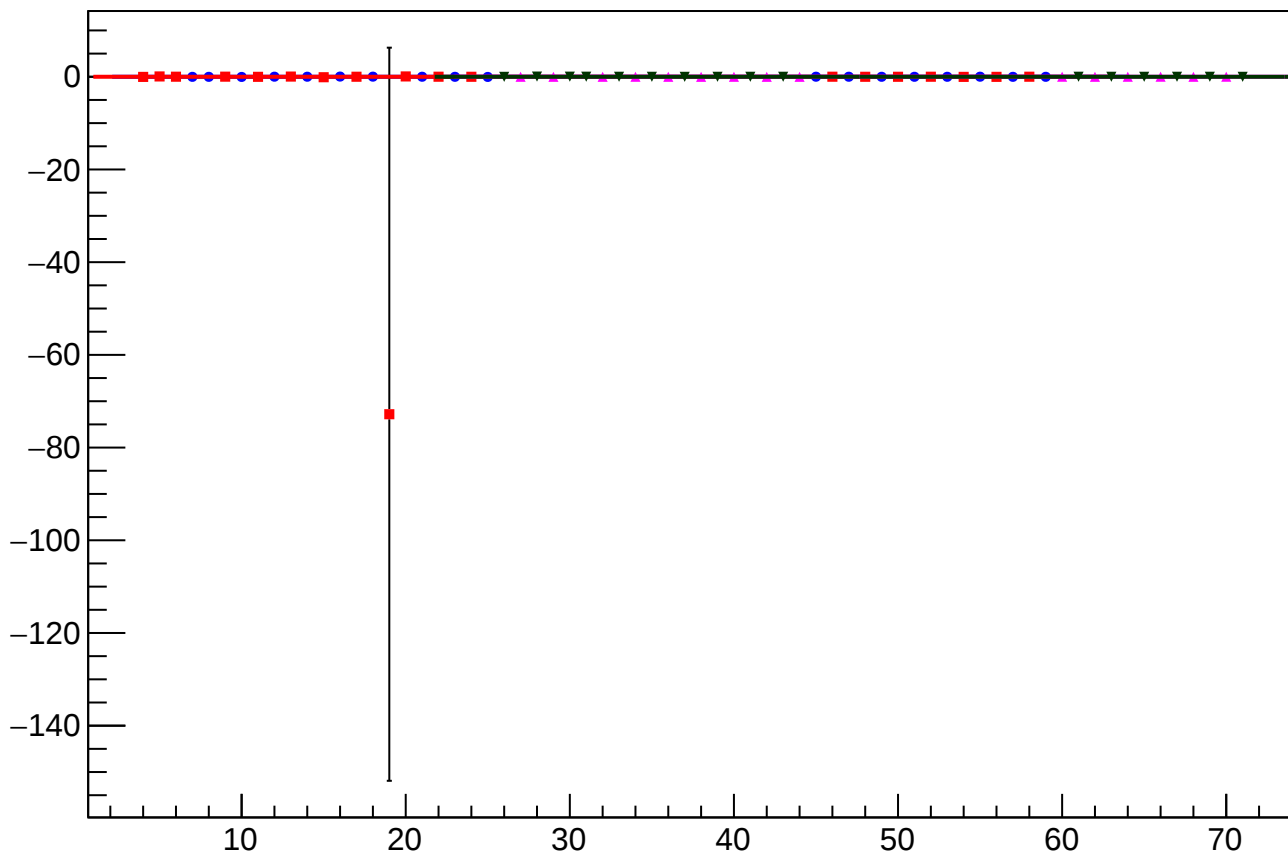
Right Out: 660.761+/-0.186 χ^2/NDF : 6222915.7/18

Left In: 1214.622+/-0.338 χ^2/NDF :3702466.9/14

777.223+/-0.155 χ^2/NDF : 12309862.6/33

789.063+/-0.163 χ^2/NDF : 11987030.0/33

diff_cav4dX_mean vs slug



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

Left Out: 0.000 $\pm$ 0.003 χ^2 /NDF: 9.8/15

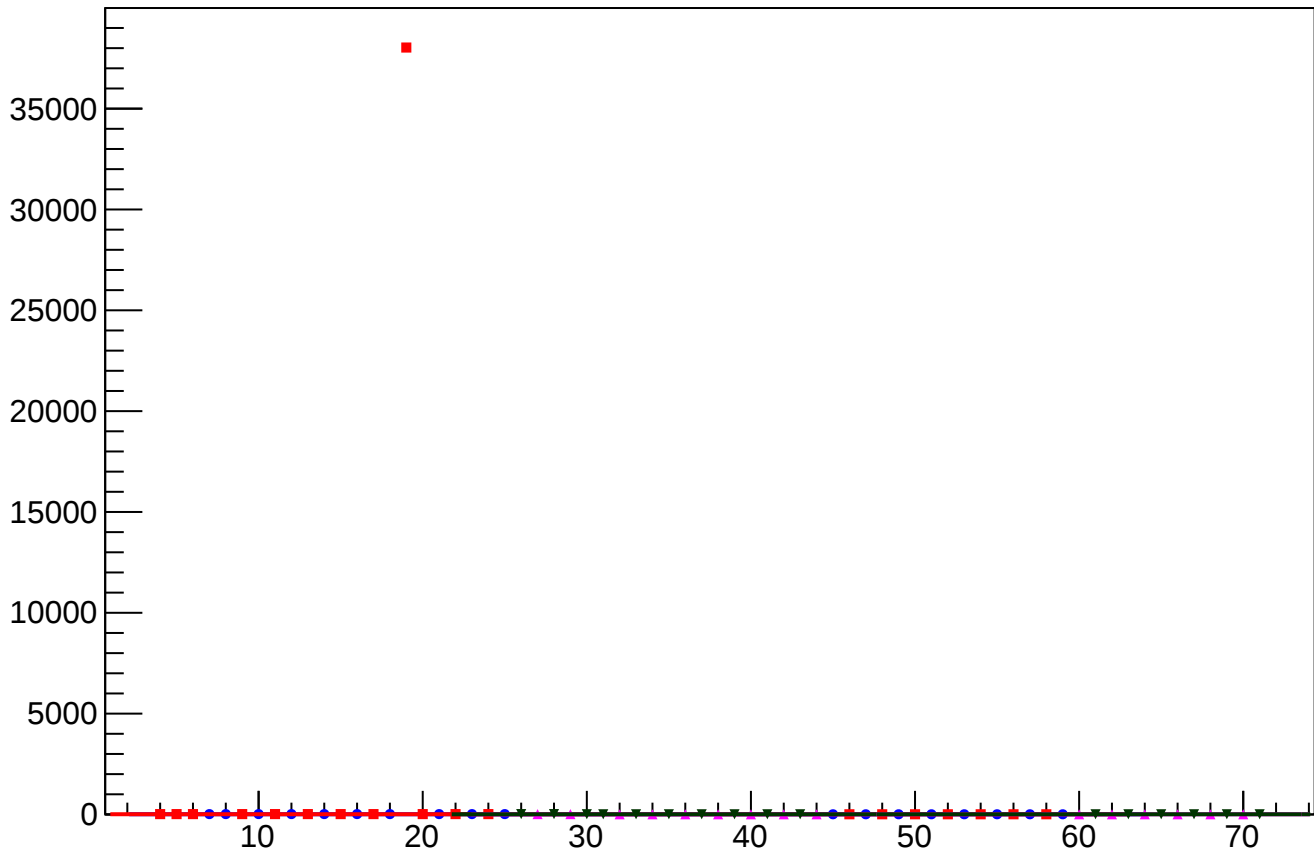
Right Out: 0.002 $\pm$ 0.004 χ^2 /NDF: 20.0/18

Left In: 0.002 $\pm$ 0.003 χ^2 /NDF: 7.2/14

0.000 $\pm$ 0.002 χ^2 /NDF: 21.7/33

0.002 $\pm$ 0.003 χ^2 /NDF: 27.2/33

diff_cav4dX_rms vs slug



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

Left Out: 9.070+/-0.002 χ^2/NDF : 612163.9/15

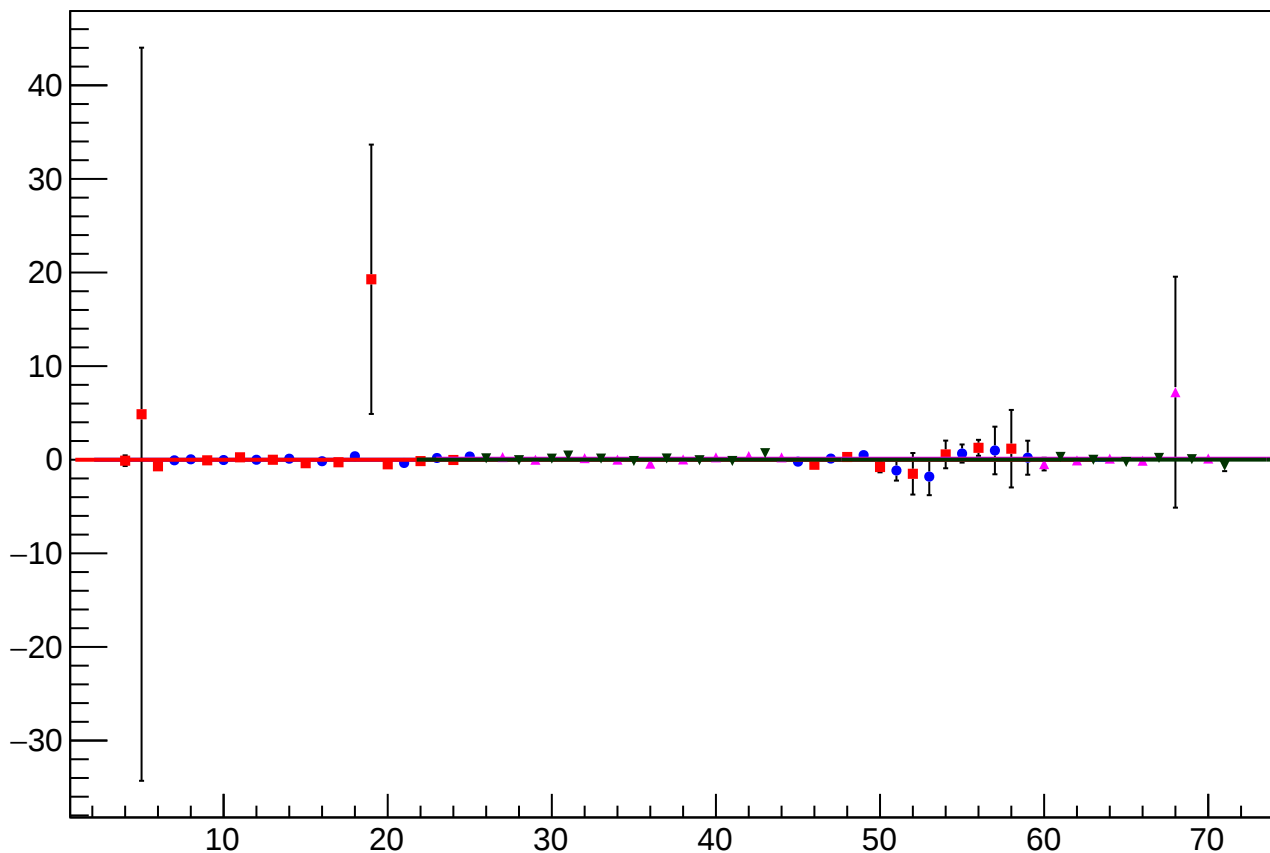
9.746+/-0.002 χ^2/NDF : 2761595.0/33

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

9.838+/-0.002 χ^2/NDF : 3332958.1/33

Left In: 9.087+/-0.002 χ^2/NDF : 777110.8/14

diff_cav4dY_mean vs slug



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

Left Out: 0.012 ± 0.047 χ^2/NDF : 20.4/15

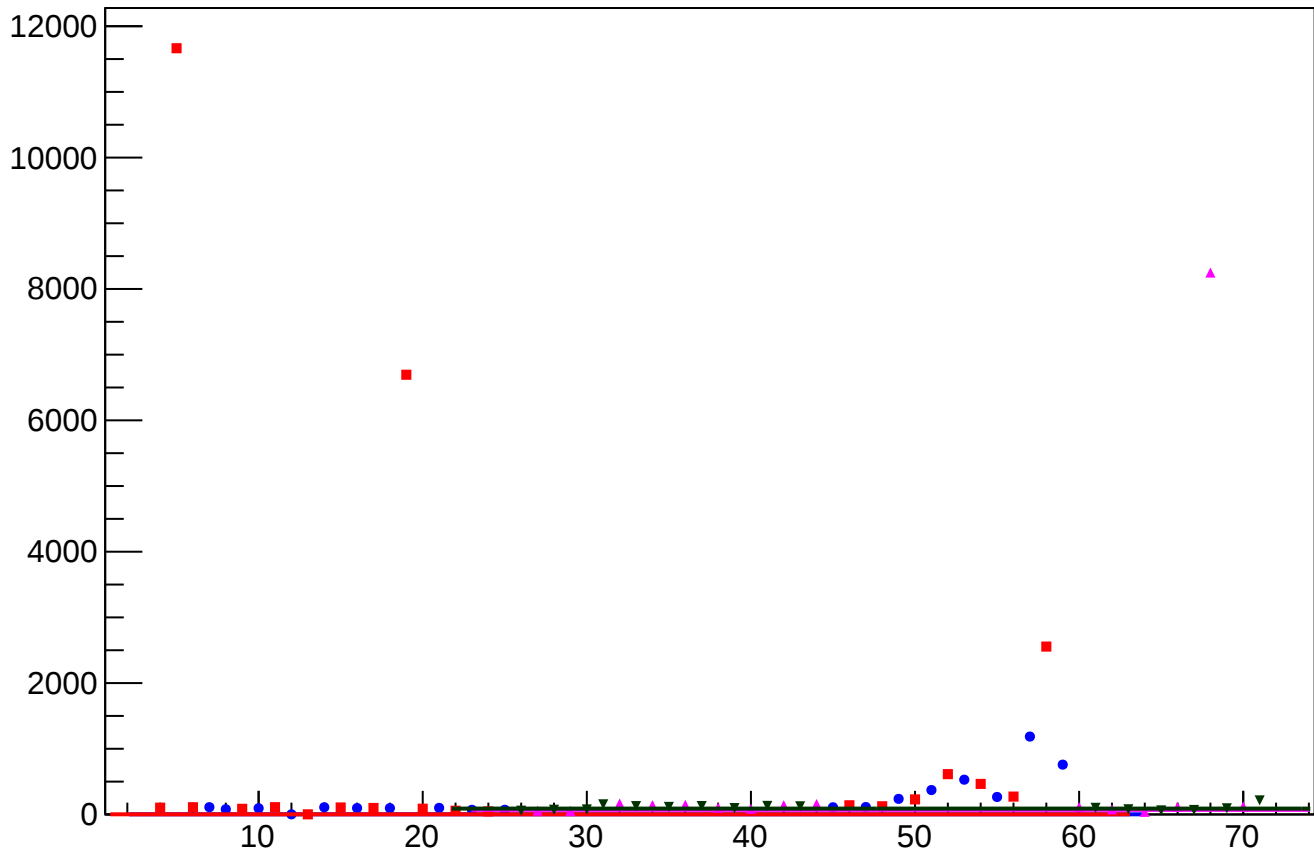
Right Out: -0.003 ± 0.003 χ^2/NDF : 21.1/18

Left In: 0.109 ± 0.038 χ^2/NDF : 12.6/14

-0.003 ± 0.003 χ^2/NDF : 41.4/33

-0.002 ± 0.003 χ^2/NDF : 42.3/33

diff_cav4dY_rms vs slug



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

Left Out: 89.345+/-0.033 χ^2/NDF : 692505.0/15

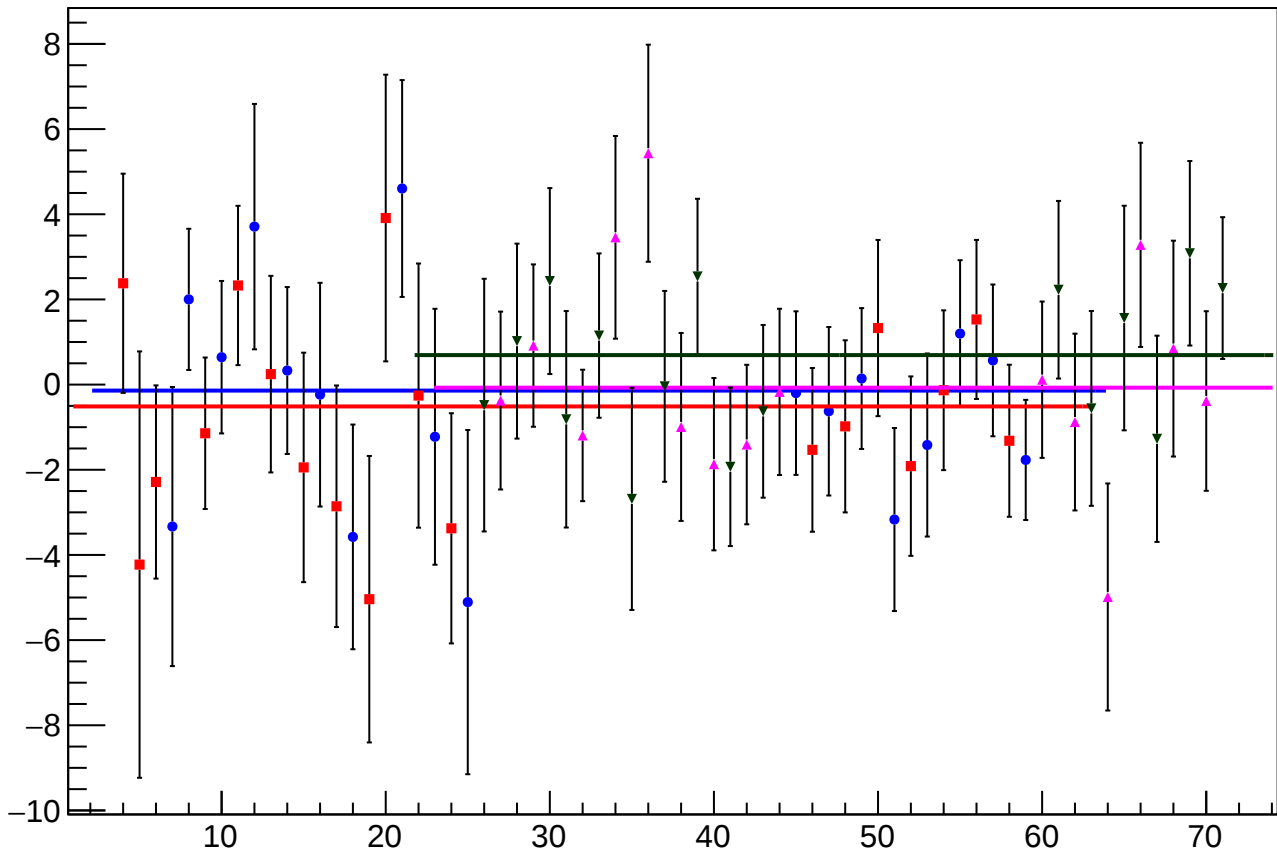
2.586+/-0.002 χ^2/NDF : 16693283.8/33

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

2.526+/-0.002 χ^2/NDF : 15847227.8/33

Left In: 69.812+/-0.027 χ^2/NDF : 2829612.0/14

diff_bpm4aX_mean vs slug



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

Left Out: 0.693 ± 0.540 χ^2/NDF : 10.2/15

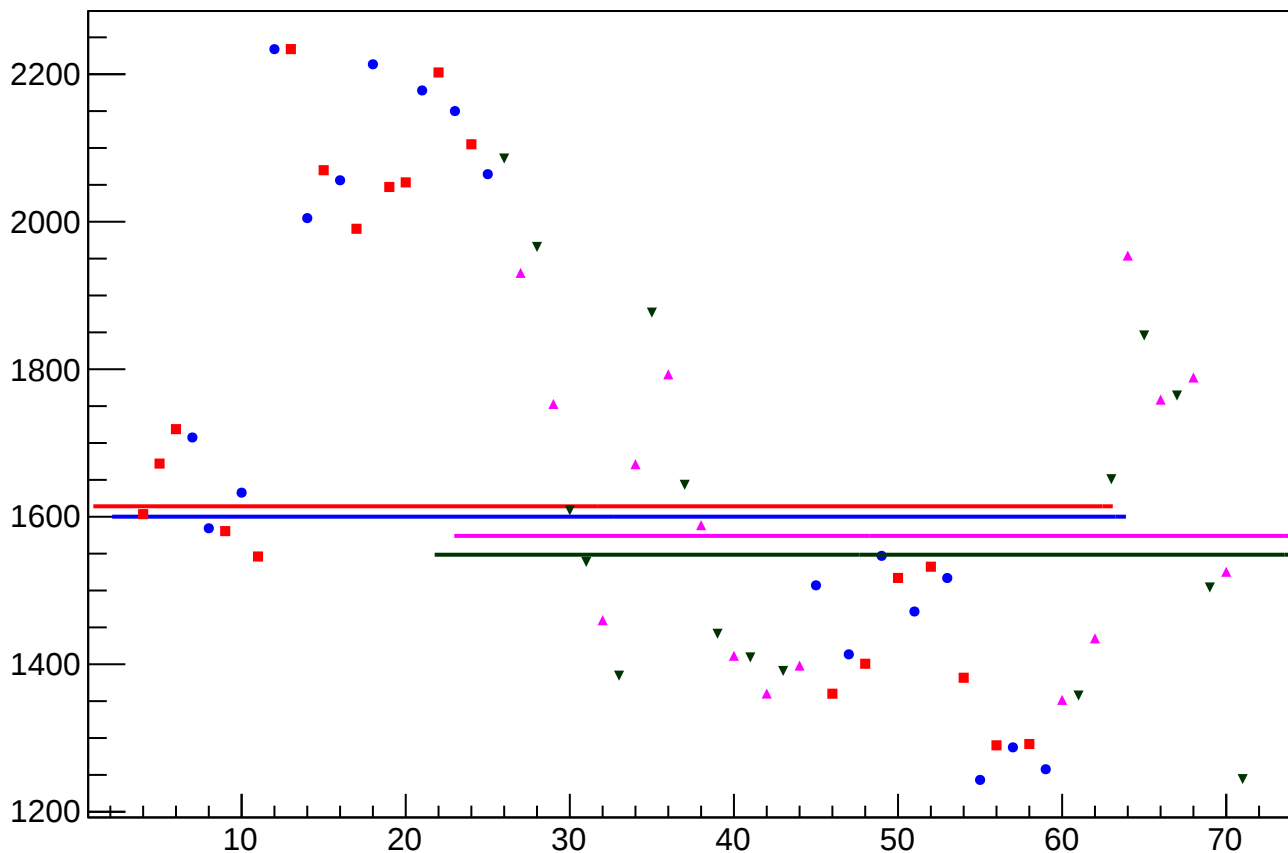
Right Out: -0.513 ± 0.519 χ^2/NDF : 13.6/18

Left In: -0.072 ± 0.536 χ^2/NDF : 14.8/14

0.232 ± 0.361 χ^2/NDF : 27.5/33

-0.300 ± 0.373 χ^2/NDF : 28.8/33

diff_bpm4aX_rms vs slug



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

Left Out: 1548.518+/-0.382 χ^2/NDF :343170.1/15

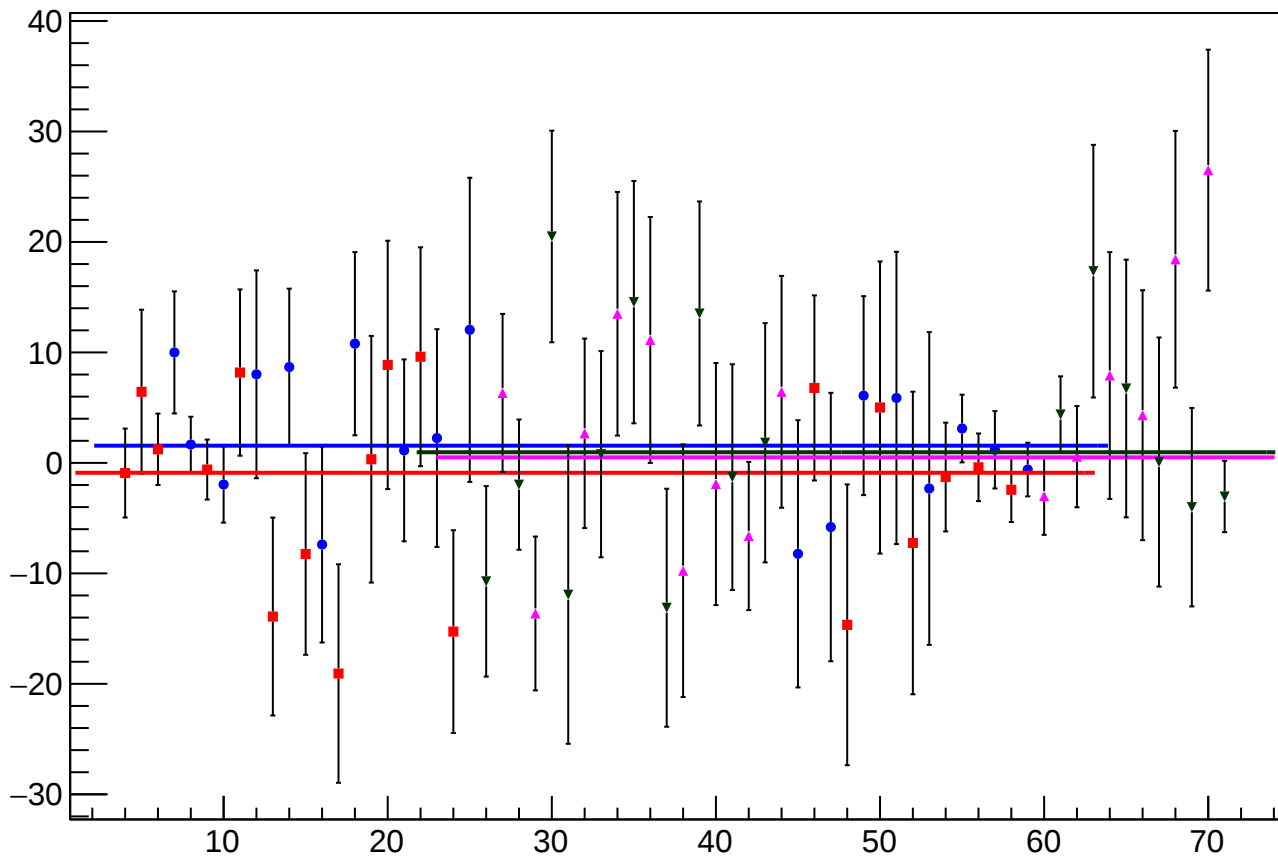
Right Out: 1614.182+/-0.367 χ^2/NDF : 670373.5/18

Left In: 1574.067+/-0.379 χ^2/NDF :266477.1/14

1577.066+/-0.255 χ^2/NDF : 1203015.3/33

1594.786+/-0.264 χ^2/NDF : 942628.4/33

diff_bpm4aY_mean vs slug



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

Left Out: 0.965 ± 1.741 $\chi^2/\text{NDF}: 17.1/15$

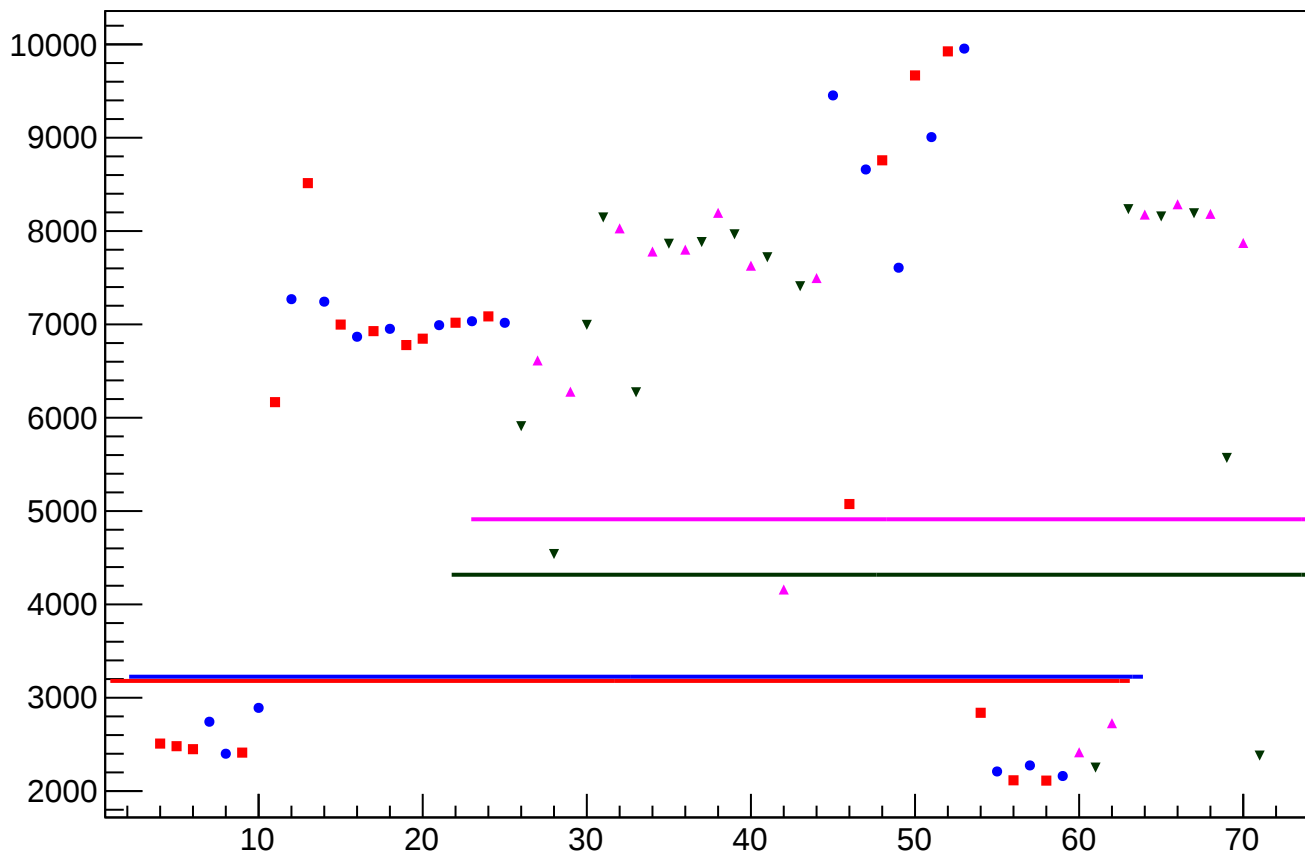
Right Out: -0.892 ± 1.197 $\chi^2/\text{NDF}: 16.1/18$

Left In: 0.504 ± 1.897 $\chi^2/\text{NDF}: 19.1/14$

1.380 ± 0.959 $\chi^2/\text{NDF}: 27.4/33$

-0.495 ± 1.012 $\chi^2/\text{NDF}: 35.5/33$

diff_bpm4aY_rms vs slug



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

Left Out: 4317.864+/-1.231 χ^2/NDF : 3709395.1/15

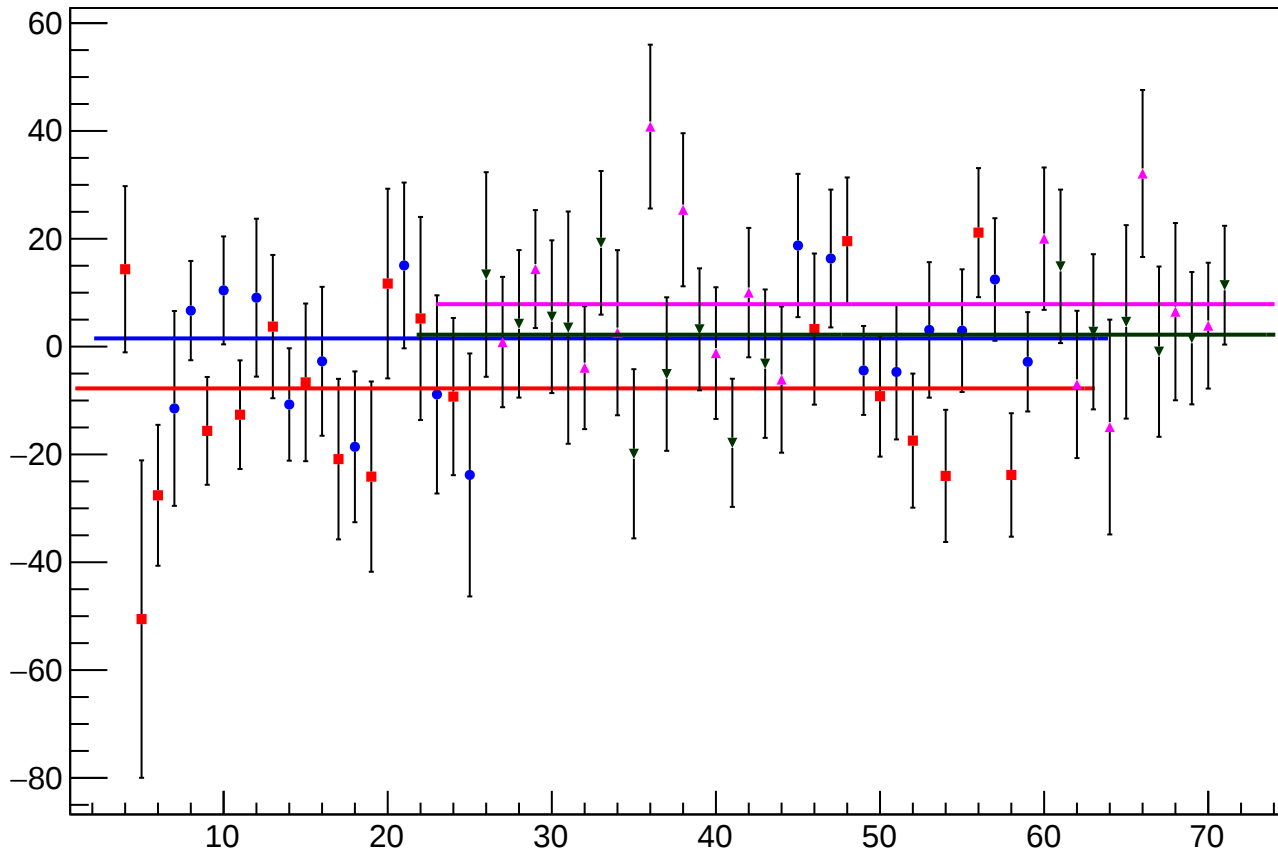
Right Out: 3180.260+/-0.846 χ^2/NDF : 5053490.5/18

Left In: 4911.971+/-1.341 χ^2/NDF : 3281027.3/14

3556.519+/-0.678 χ^2/NDF : 10118909.3/33

3673.174+/-0.716 χ^2/NDF : 9526621.1/33

diff_bpm4eX_mean vs slug



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

Left Out: 2.212 ± 3.496 χ^2/NDF : 8.9/15

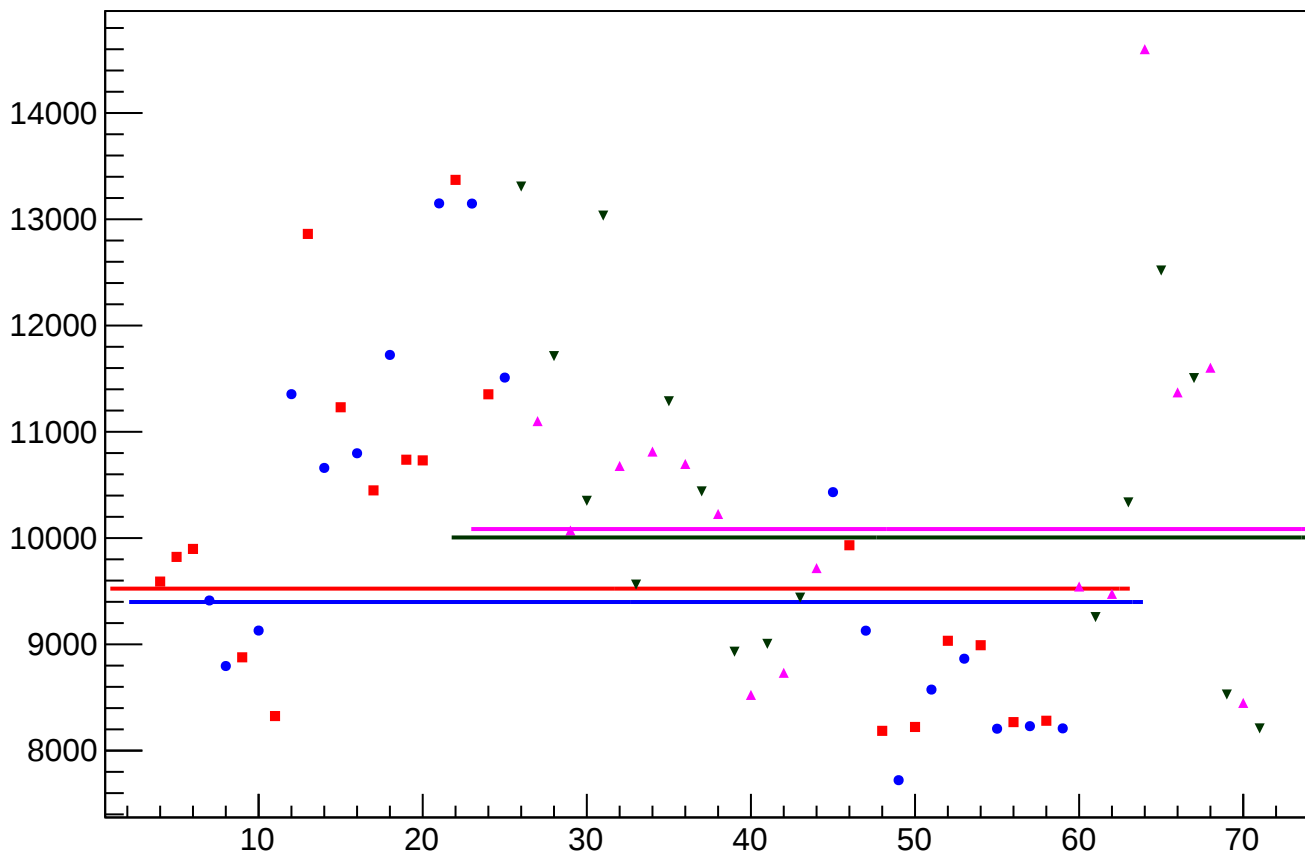
Right Out: -7.752 ± 3.046 χ^2/NDF : 27.5/18

Left In: 7.869 ± 3.443 χ^2/NDF : 15.7/14

1.795 ± 2.201 χ^2/NDF : 21.6/33

-0.895 ± 2.281 χ^2/NDF : 54.8/33

diff_bpm4eX_rms vs slug



Right In: 9398.368+/-2.003 χ^2/NDF : 554872.2/17

Left Out: 10005.873+/-2.472 χ^2/NDF : 331466.2/15

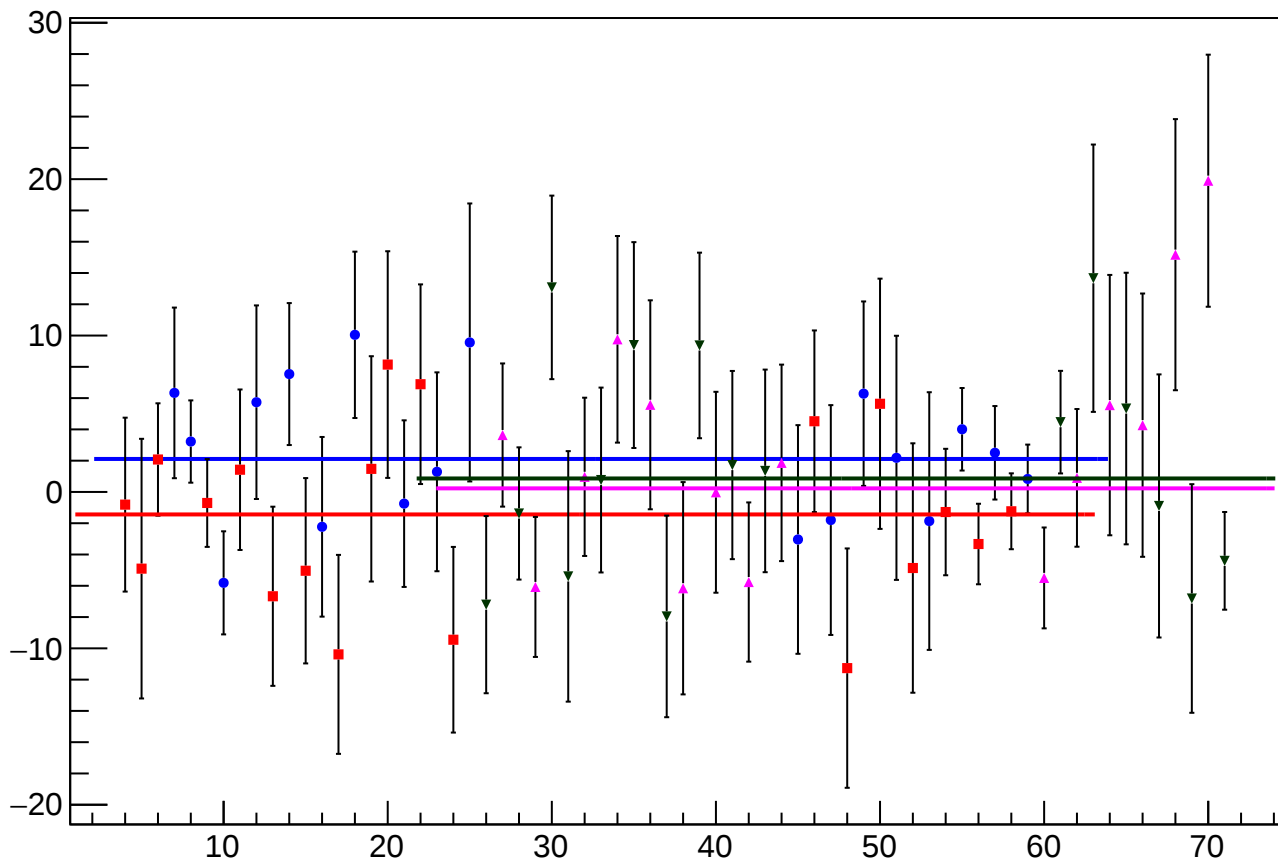
Right Out: 9524.317+/-2.154 χ^2/NDF : 440161.2/18

Left In: 10085.022+/-2.435 χ^2/NDF : 267291.2/14

9639.082+/-1.556 χ^2/NDF : 922796.3/33

9770.426+/-1.613 χ^2/NDF : 737206.0/33

diff_bpm4eY_mean vs slug



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

Left Out: 0.862 ± 1.357 $\chi^2/\text{NDF}: 20.6/15$

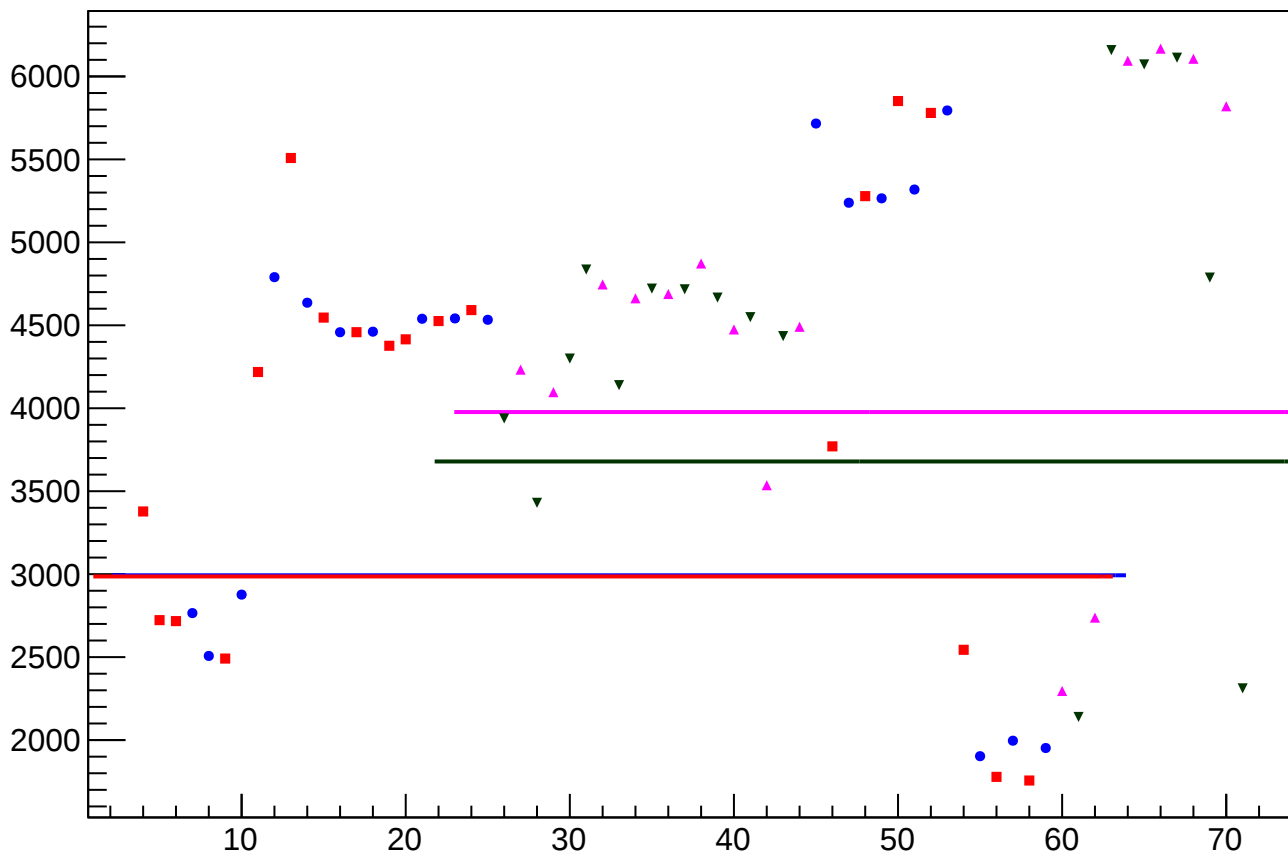
1.683 ± 0.794 $\chi^2/\text{NDF}: 35.7/33$

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

-0.855 ± 0.839 $\chi^2/\text{NDF}: 35.6/33$

Left In: 0.229 ± 1.419 $\chi^2/\text{NDF}: 20.4/14$

diff_bpm4eY_rms vs slug



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

Left Out: 3679.272 $\pm$ 0.960 χ^2 /NDF:1671706.3/15

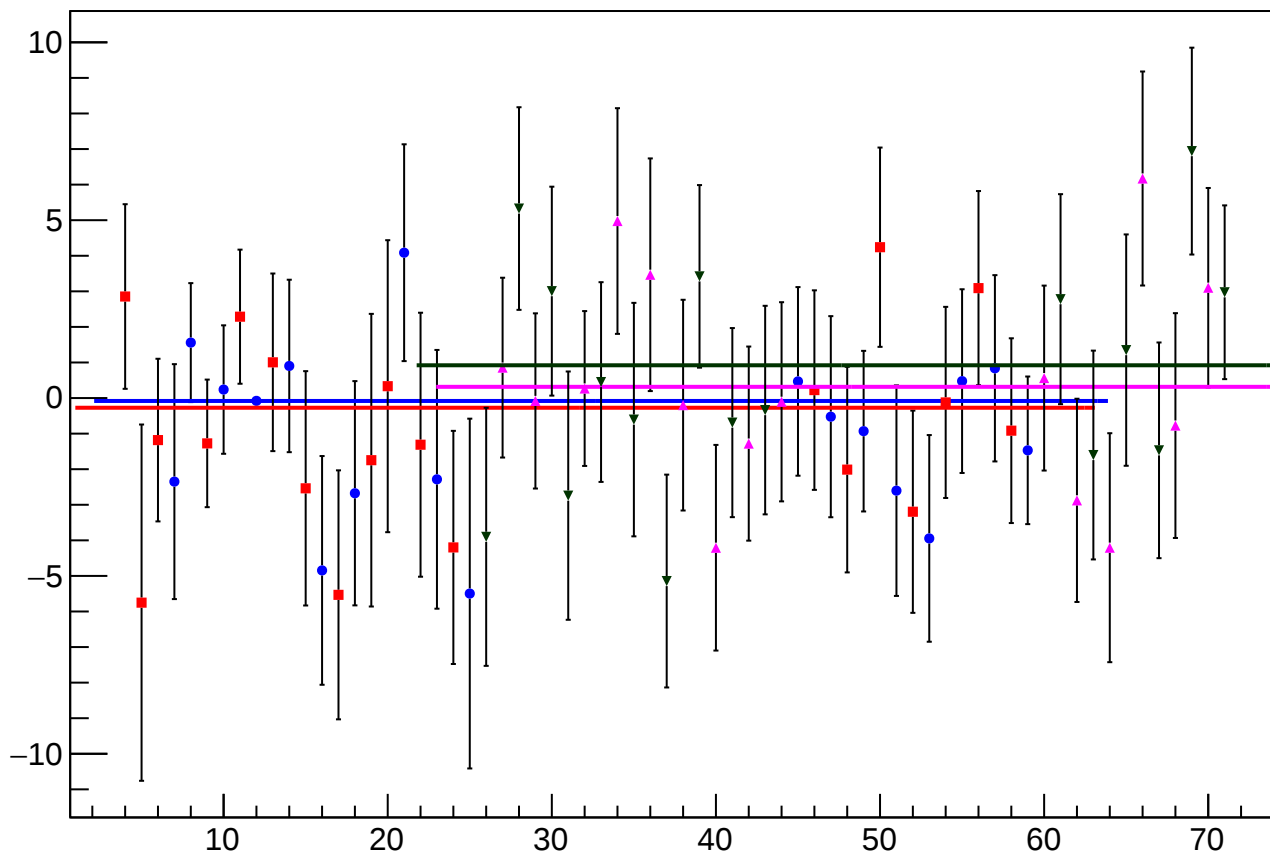
Right Out: 2986.116 $\pm$ 0.736 χ^2 /NDF: 2945634.2/18

Left In: 3977.126 $\pm$ 1.003 χ^2 /NDF:1365459.9/14

3227.993 $\pm$ 0.562 χ^2 /NDF: 5325846.0/33

3332.661 $\pm$ 0.593 χ^2 /NDF: 4945818.9/33

diff_bpm4acX_mean vs slug



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

Left Out: 0.921 ± 0.733 χ^2/NDF : 18.4/15

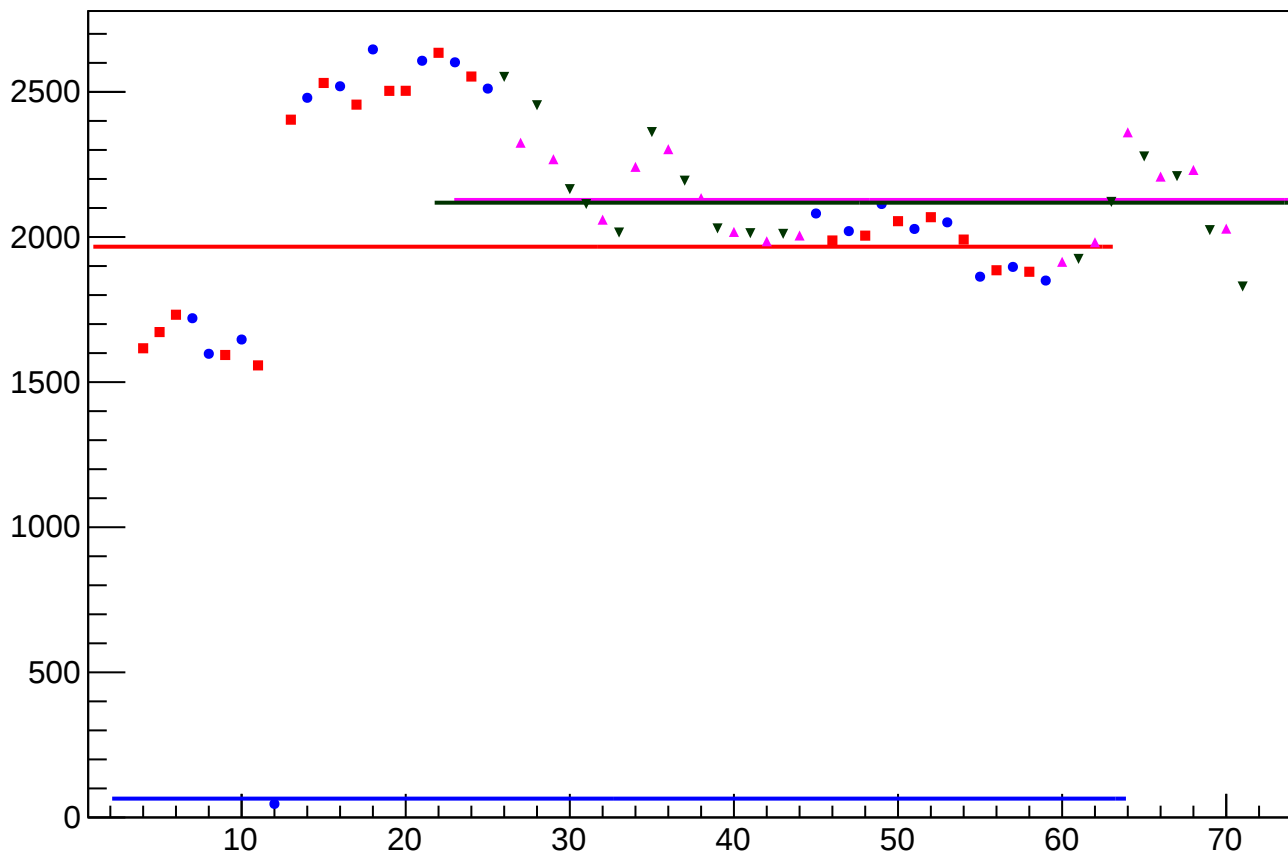
Right Out: -0.272 ± 0.631 χ^2/NDF : 15.3/18

Left In: 0.316 ± 0.721 χ^2/NDF : 14.1/14

-0.075 ± 0.060 χ^2/NDF : 31.5/33

-0.017 ± 0.475 χ^2/NDF : 29.8/33

diff_bpm4acX_rms vs slug



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

Left Out: 2118.290+/-0.519 χ^2 /NDF:125314.7/15

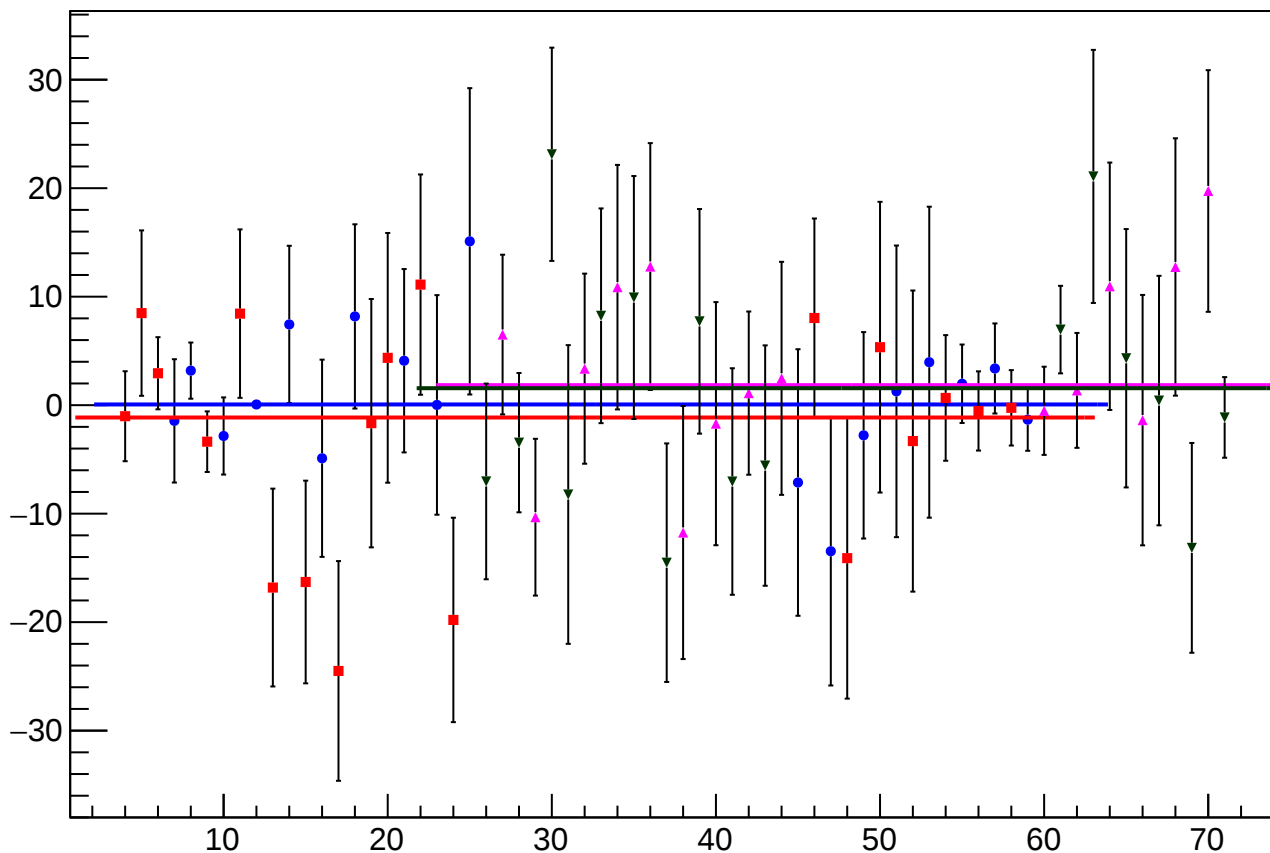
Right Out: 1966.634+/-0.446 χ^2 /NDF: 610680.3/18

Left In: 2127.701+/-0.510 χ^2 /NDF:76323.2/14

78.582+/-0.042 χ^2 /NDF: 35953661.3/33

2036.567+/-0.336 χ^2 /NDF: 743544.3/33

diff_bpm4acY_mean vs slug



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

Left Out: 1.564 ± 1.918 χ^2/NDF : 18.9/15

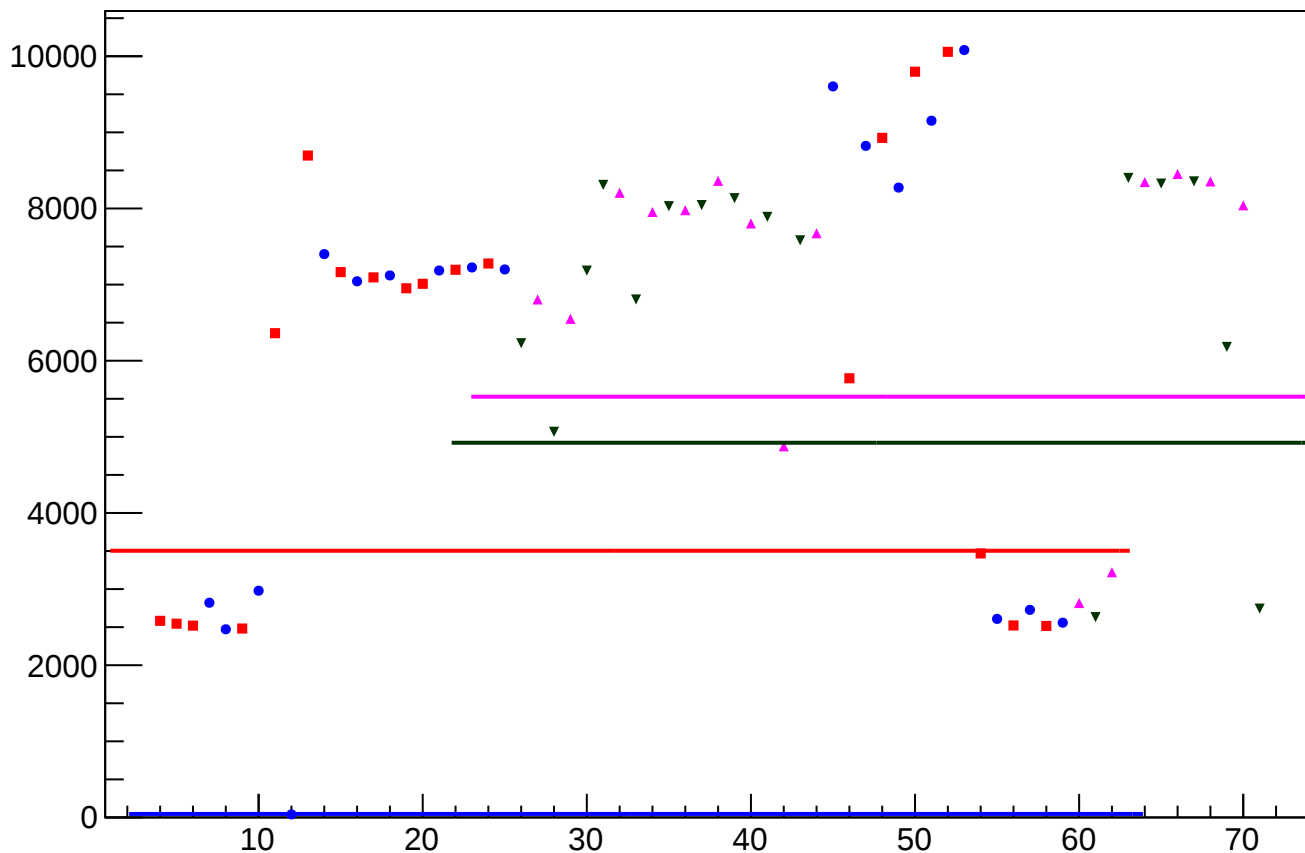
Right Out: -1.137 ± 1.295 χ^2/NDF : 24.2/18

Left In: 1.845 ± 2.065 χ^2/NDF : 10.8/14

0.067 ± 0.052 χ^2/NDF : 28.2/33

-0.295 ± 1.097 χ^2/NDF : 36.5/33

diff_bpm4acY_rms vs slug



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

Left Out: 4922.408+/-1.356 χ^2/NDF :3013409.8/15

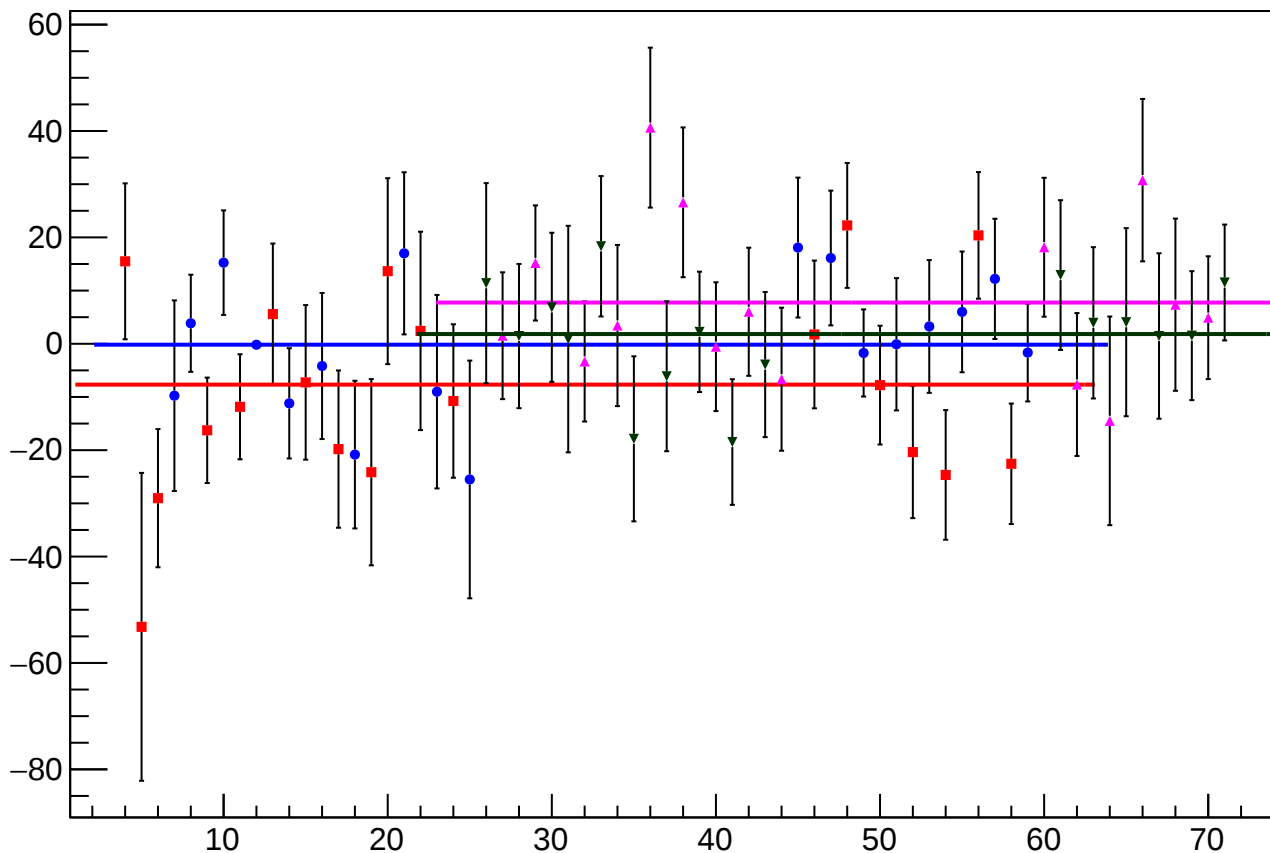
Right Out: 3503.720+/-0.916 χ^2/NDF : 4669685.2/18

Left In: 5527.321+/-1.460 χ^2/NDF :2503646.4/14

49.849+/-0.037 χ^2/NDF : 36107288.2/33

4074.976+/-0.776 χ^2/NDF : 8551475.1/33

diff_bpm4ecX_mean vs slug



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

Left Out: 1.828 ± 3.462 χ^2/NDF : 8.5/15

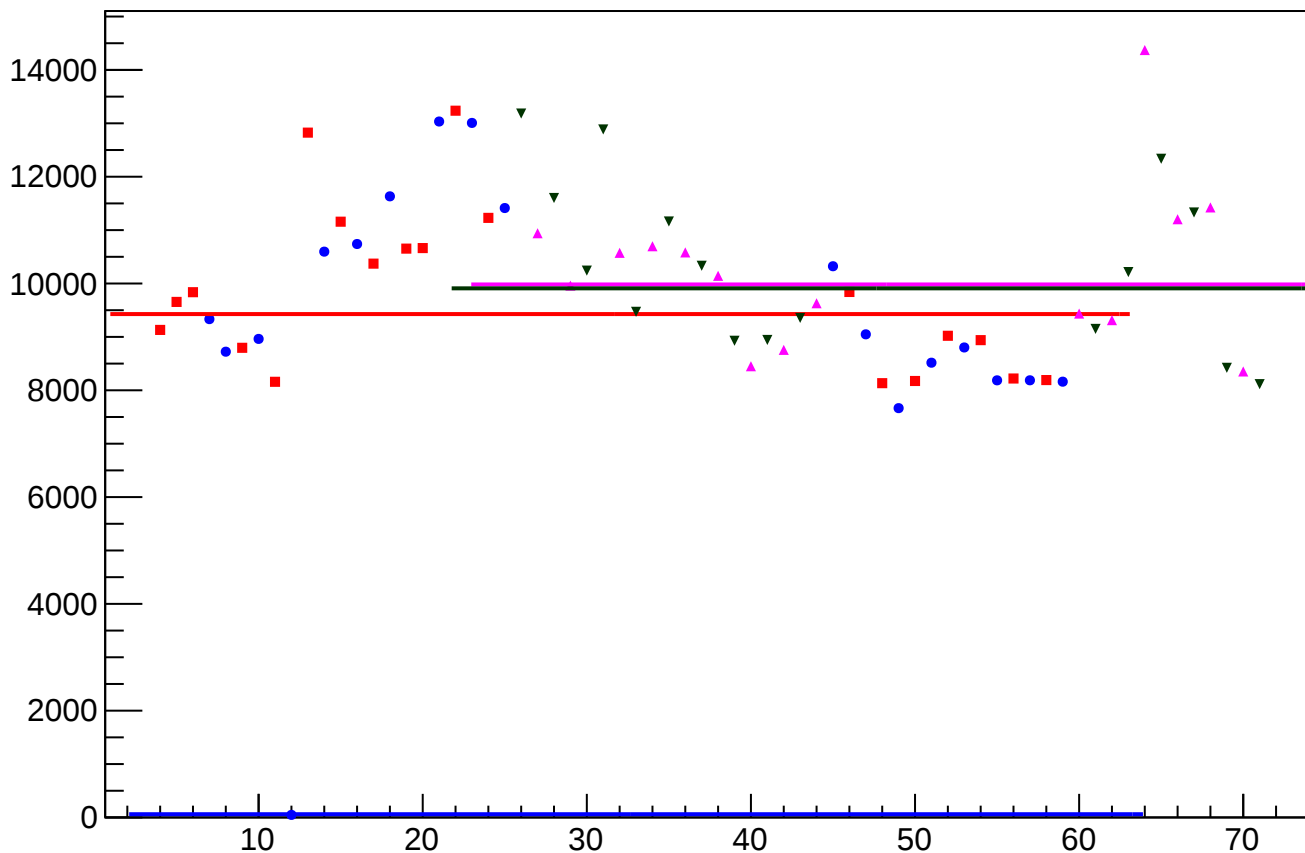
Right Out: -7.679 ± 3.015 χ^2/NDF : 30.2/18

Left In: 7.749 ± 3.407 χ^2/NDF : 15.6/14

-0.172 ± 0.106 χ^2/NDF : 23.2/33

-0.903 ± 2.258 χ^2/NDF : 57.3/33

diff_bpm4ecX_rms vs slug



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

Left Out: 9909.415+/-2.448 χ^2 /NDF:326363.0/15

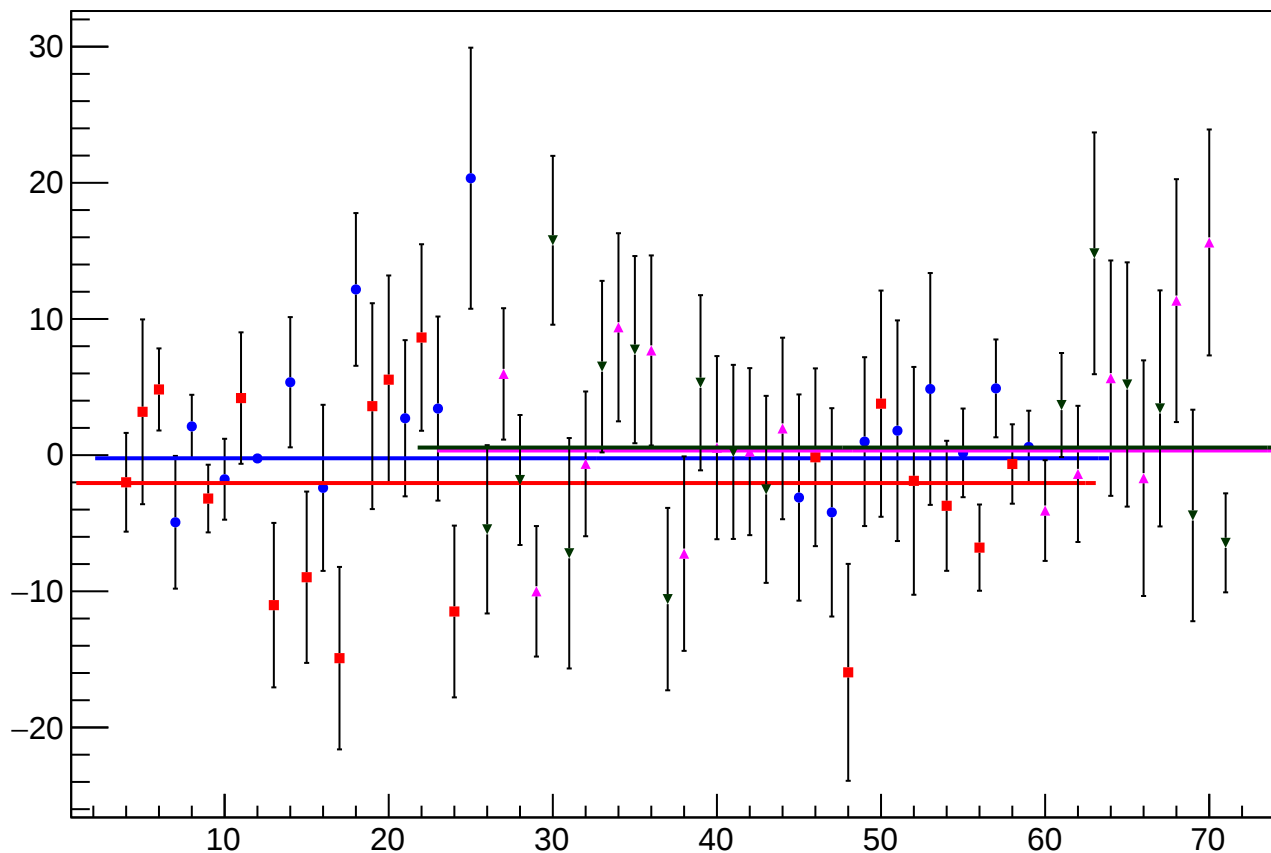
Right Out: 9427.549+/-2.132 χ^2 /NDF: 447350.4/18

Left In: 9982.123+/-2.409 χ^2 /NDF:257700.9/14

70.045+/-0.075 χ^2 /NDF: 37618301.2/33

9671.123+/-1.597 χ^2 /NDF: 734761.8/33

diff_bpm4ecY_mean vs slug



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

Left Out: 0.558 ± 1.495 χ^2/NDF : 21.3/15

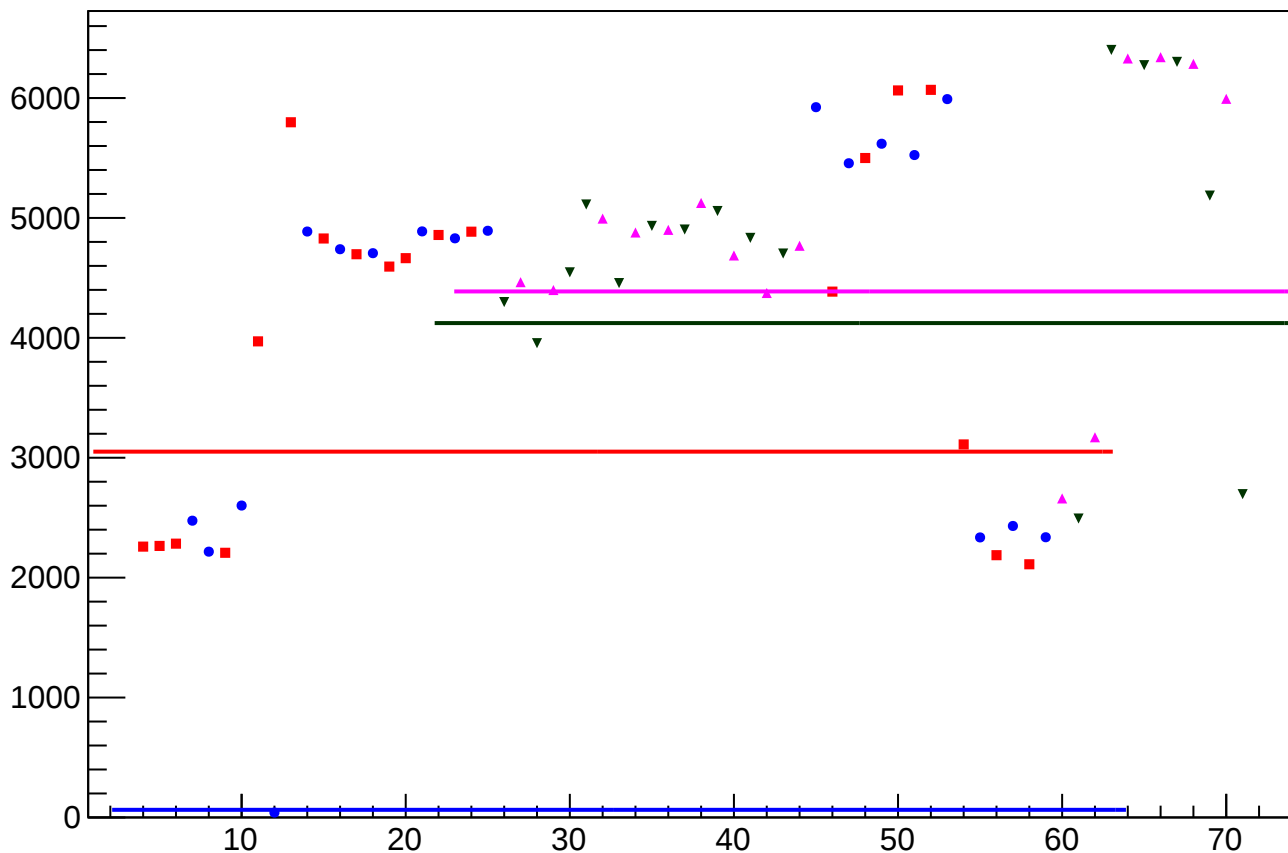
Right Out: -2.049 ± 1.055 χ^2/NDF : 27.2/18

Left In: 0.342 ± 1.541 χ^2/NDF : 16.9/14

-0.227 ± 0.090 χ^2/NDF : 38.4/33

-1.286 ± 0.871 χ^2/NDF : 45.8/33

diff_bpm4ecY_rms vs slug



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

Left Out: 4123.101 $\pm$ 1.057 χ^2 /NDF:1264744.8/15

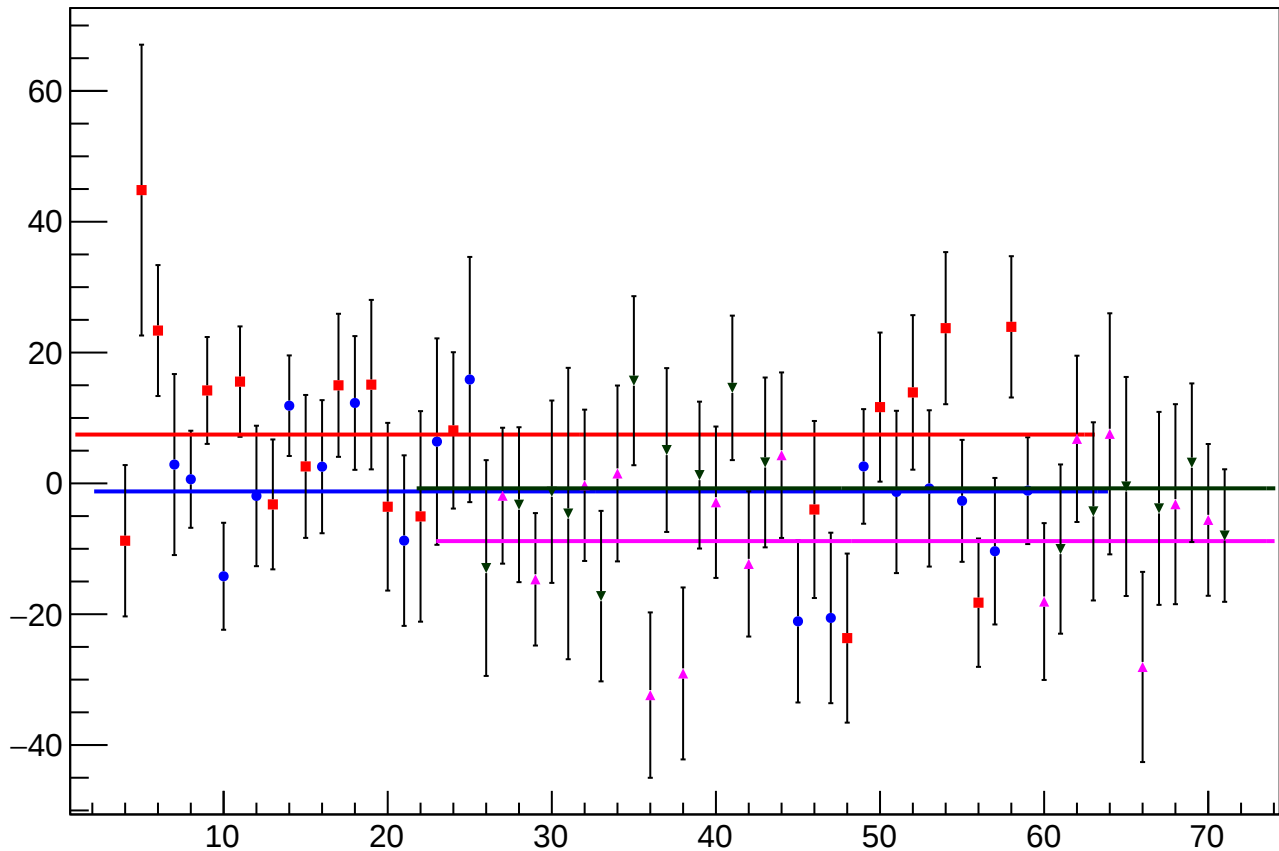
Right Out: 3050.872 $\pm$ 0.746 χ^2 /NDF: 2882138.2/18

Left In: 4386.961 $\pm$ 1.090 χ^2 /NDF:1002043.4/14

78.315 $\pm$ 0.063 χ^2 /NDF: 36233134.3/33

3477.457 $\pm$ 0.616 χ^2 /NDF: 4907527.9/33

diff_bpm1X_mean vs slug



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

Left Out: -0.756 ± 3.255 $\chi^2/\text{NDF}: 7.4/15$

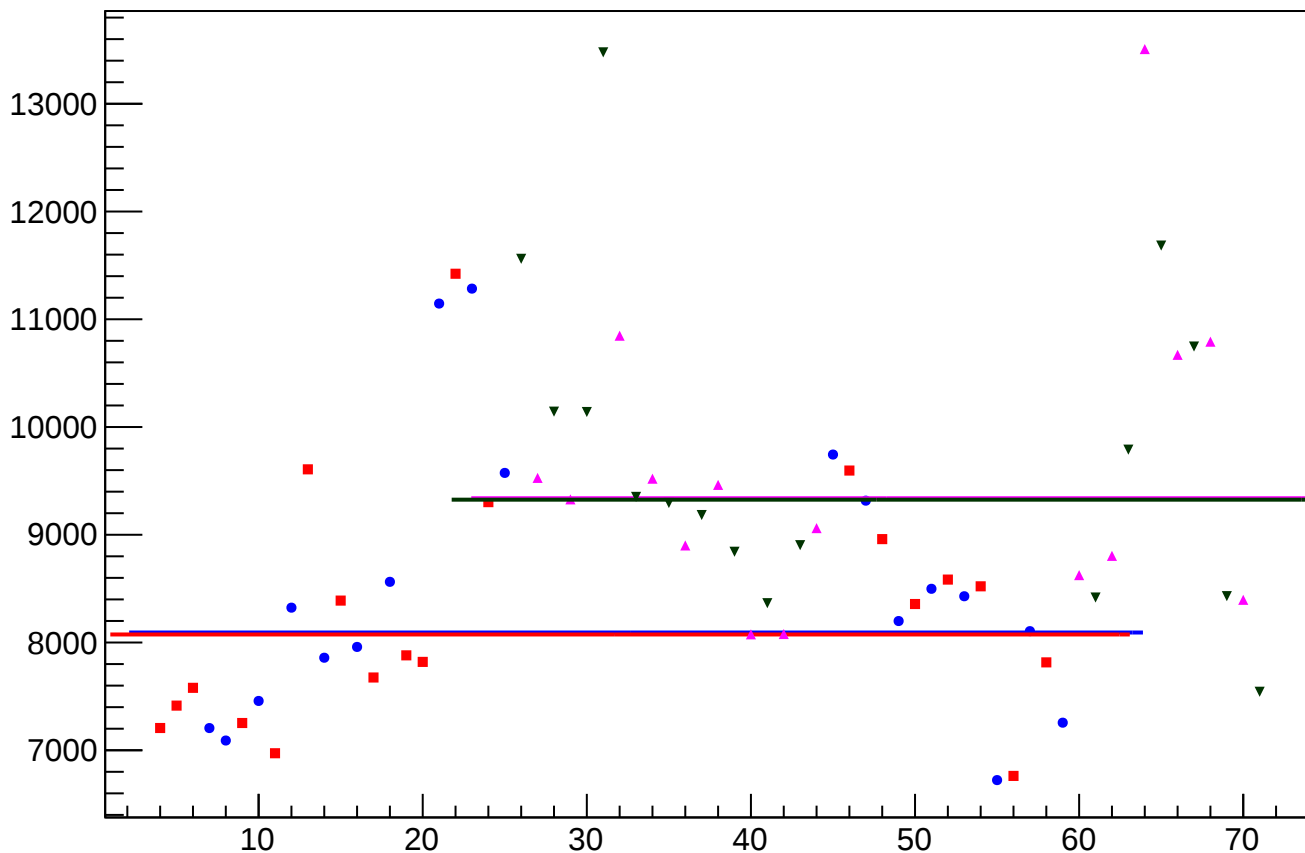
Right Out: 7.465 ± 2.574 $\chi^2/\text{NDF}: 30.5/18$

Left In: -8.824 ± 3.187 $\chi^2/\text{NDF}: 14.1/14$

-1.060 ± 1.948 $\chi^2/\text{NDF}: 21.9/33$

1.036 ± 2.002 $\chi^2/\text{NDF}: 60.4/33$

diff_bpm1X_rms vs slug



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

Left Out: 9325.748 $\pm$ 2.302 χ^2 /NDF:287030.4/15

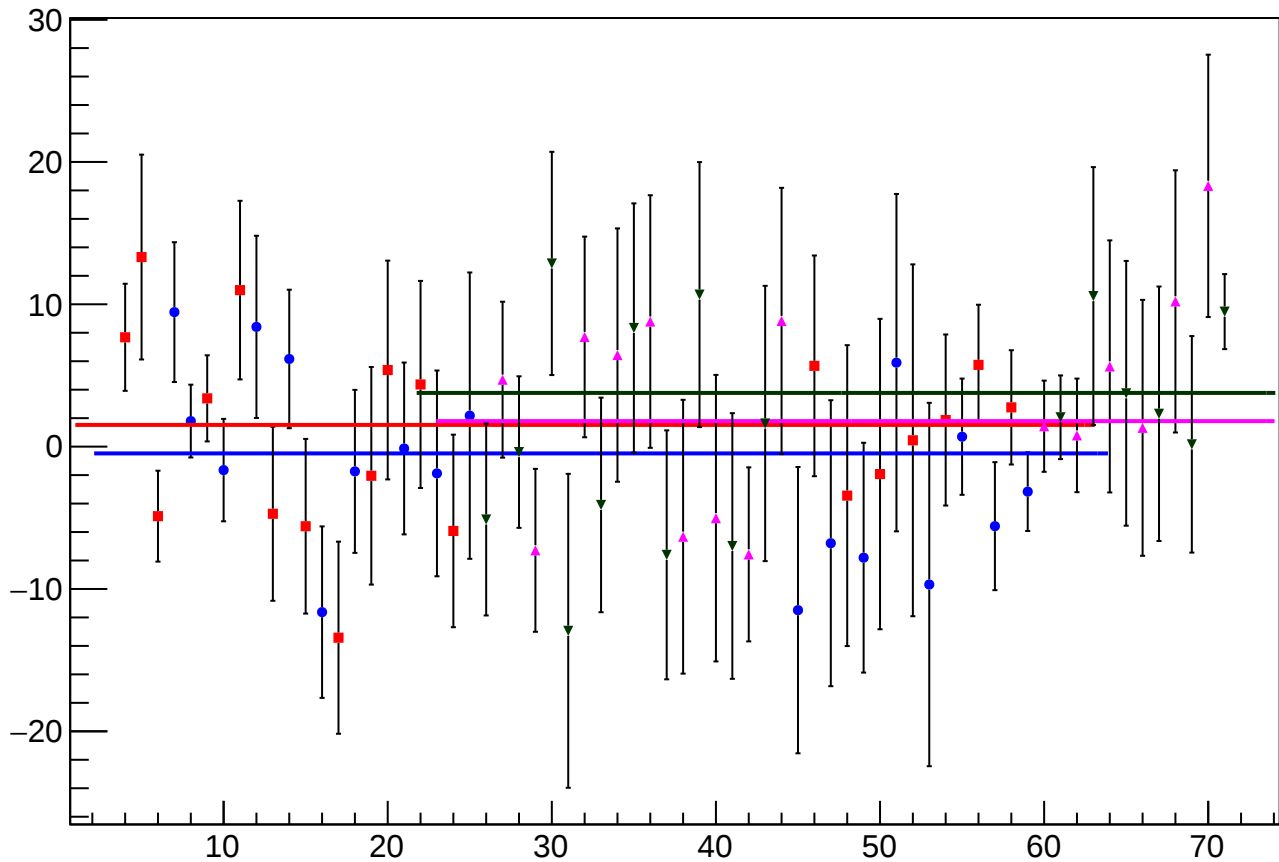
Right Out: 8074.654 $\pm$ 1.820 χ^2 /NDF: 312658.9/18

Left In: 9339.416 $\pm$ 2.254 χ^2 /NDF:249181.3/14

8534.094 $\pm$ 1.377 χ^2 /NDF: 860573.8/33

8573.842 $\pm$ 1.416 χ^2 /NDF: 752448.7/33

diff_bpm1Y_mean vs slug



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

Left Out: 3.774 ± 1.455 $\chi^2/\text{NDF}: 16.8/15$

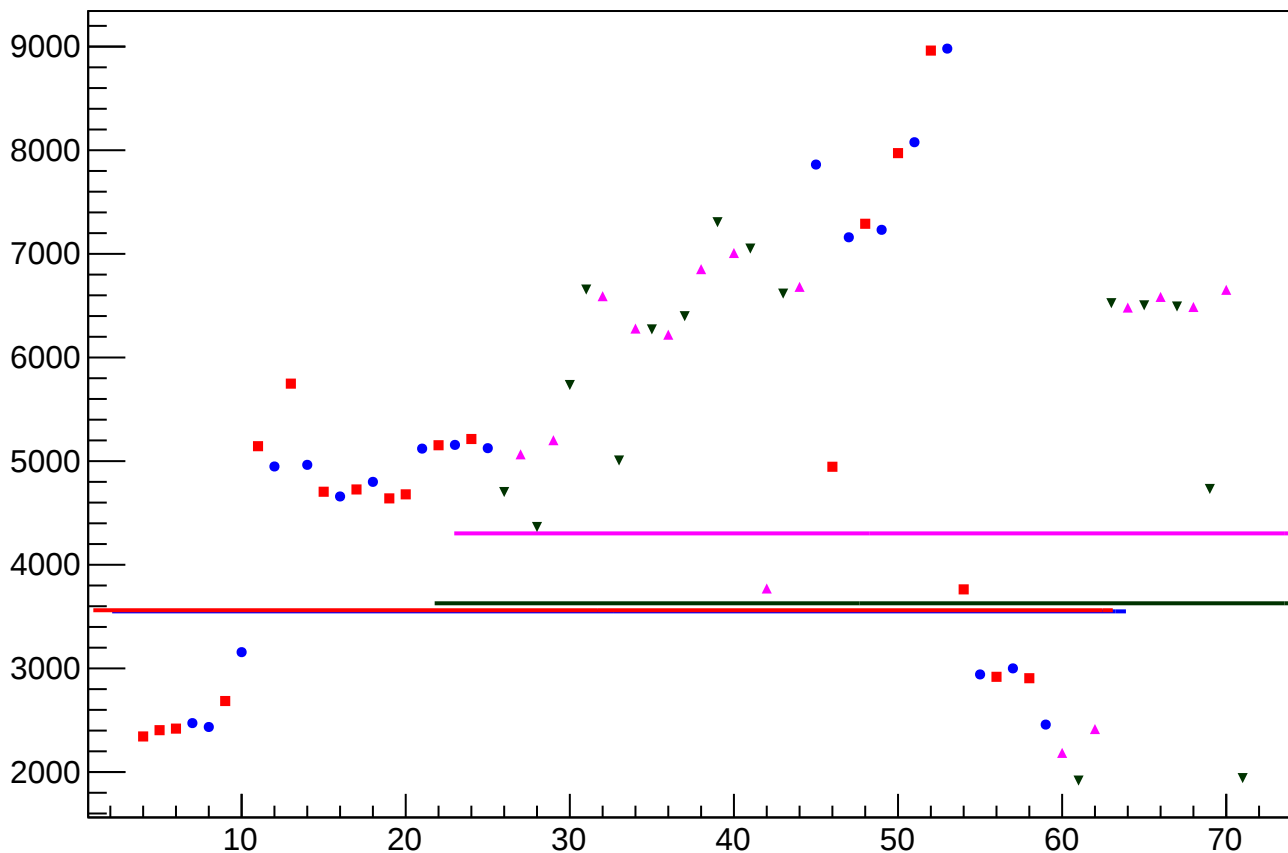
Right Out: 1.525 ± 1.232 $\chi^2/\text{NDF}: 22.9/18$

Left In: 1.793 ± 1.628 $\chi^2/\text{NDF}: 12.8/14$

1.178 ± 0.908 $\chi^2/\text{NDF}: 39.9/33$

1.623 ± 0.982 $\chi^2/\text{NDF}: 35.7/33$

diff_bpm1Y_rms vs slug



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

Left Out: 3628.322+/-1.029 χ^2/NDF : 3745666.1/15

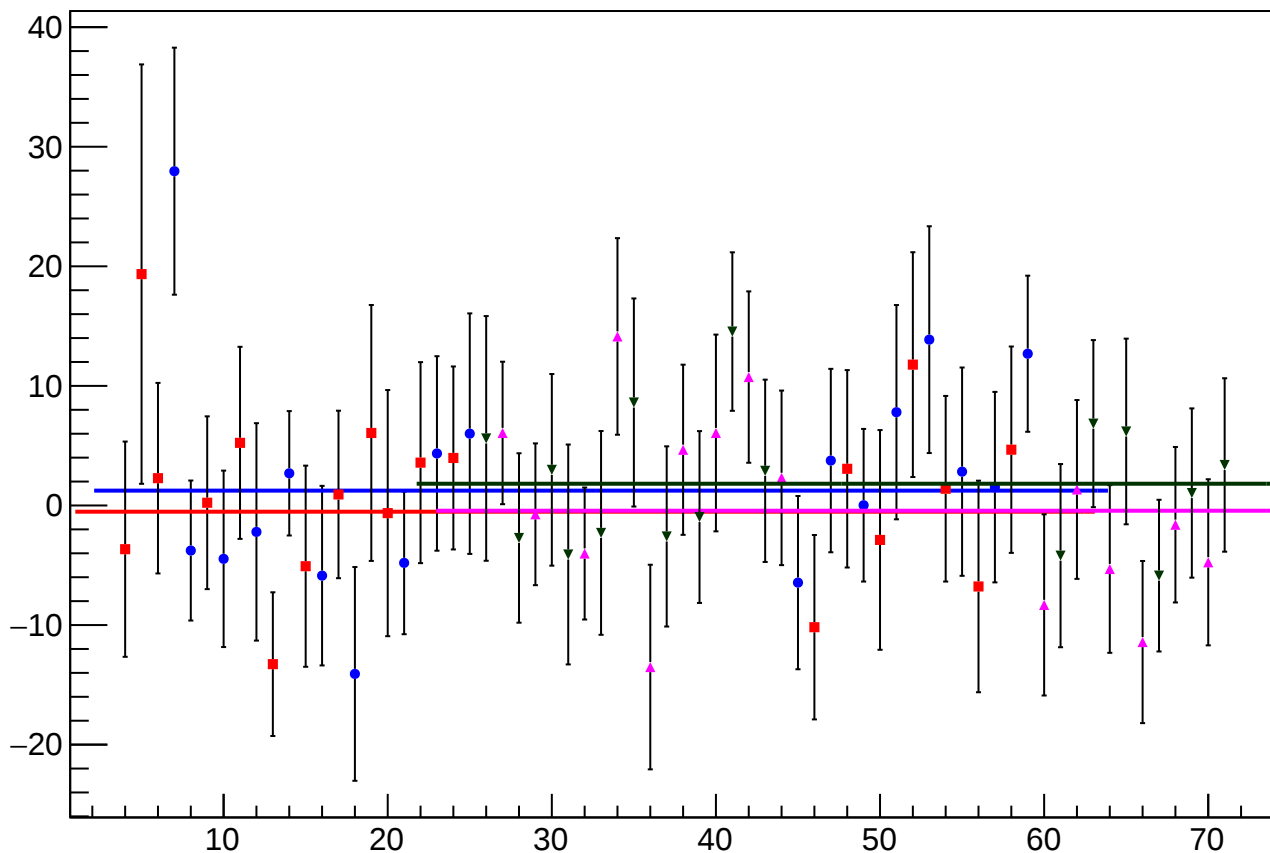
Right Out: 3561.233+/-0.871 χ^2/NDF : 2618224.4/18

Left In: 4302.875+/-1.151 χ^2/NDF : 2735380.8/14

3580.740+/-0.642 χ^2/NDF : 7043156.8/33

3831.170+/-0.695 χ^2/NDF : 5617485.1/33

diff_bpm11X_mean vs slug



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

Left Out: 1.818 ± 1.894 χ^2/NDF : 9.0/15

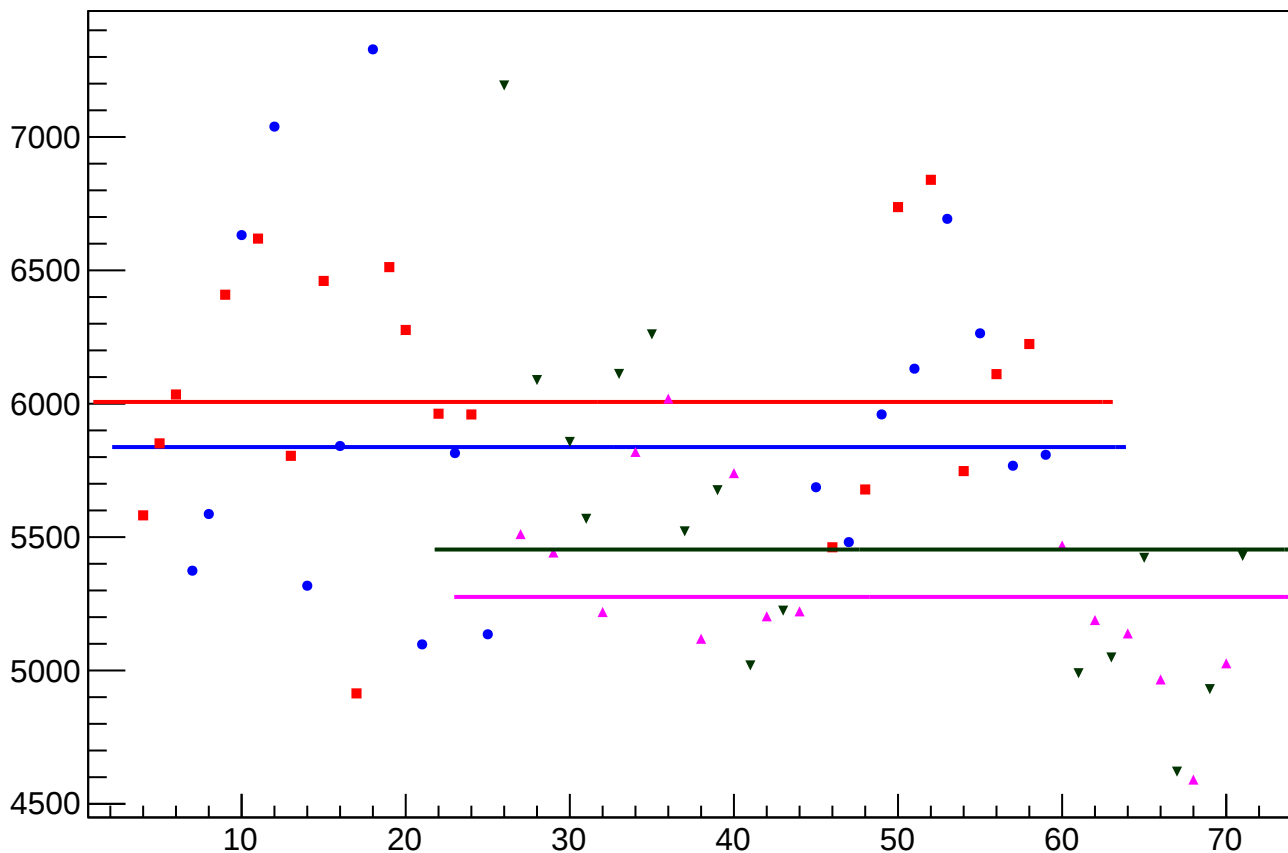
Right Out: -0.521 ± 1.907 χ^2/NDF : 12.3/18

Left In: -0.439 ± 1.789 χ^2/NDF : 15.5/14

1.508 ± 1.286 χ^2/NDF : 29.2/33

-0.477 ± 1.305 χ^2/NDF : 27.8/33

diff_bpm11X_rms vs slug



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

Left Out: 5453.486 $\pm$ 1.339 χ^2 /NDF:180396.0/15

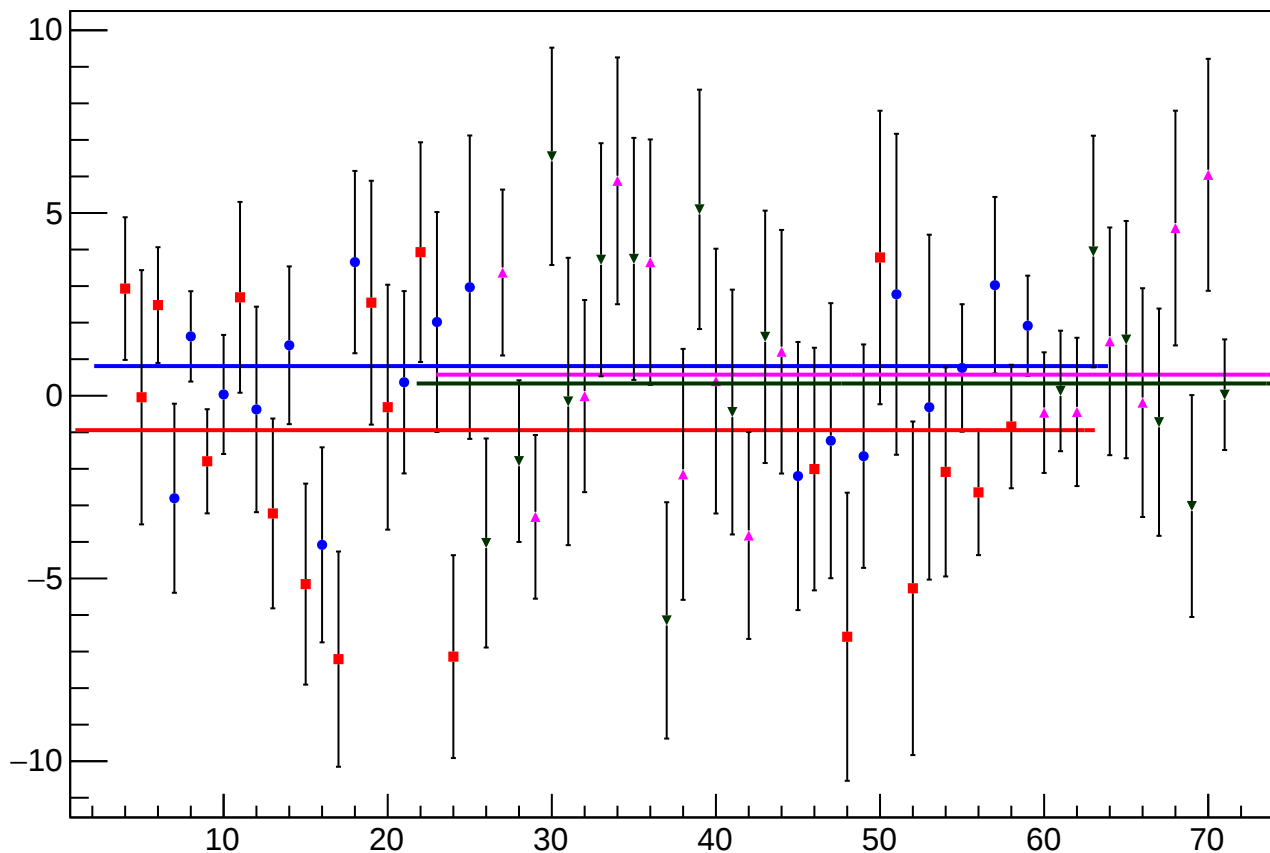
Right Out: 6006.736 $\pm$ 1.348 χ^2 /NDF: 130455.1/18

Left In: 5275.784 $\pm$ 1.265 χ^2 /NDF:67654.8/14

5660.518 $\pm$ 0.909 χ^2 /NDF: 436046.4/33

5618.024 $\pm$ 0.922 χ^2 /NDF: 354450.1/33

diff_bpm11Y_mean vs slug



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

Left Out: 0.335 ± 0.664 χ^2/NDF : 19.0/15

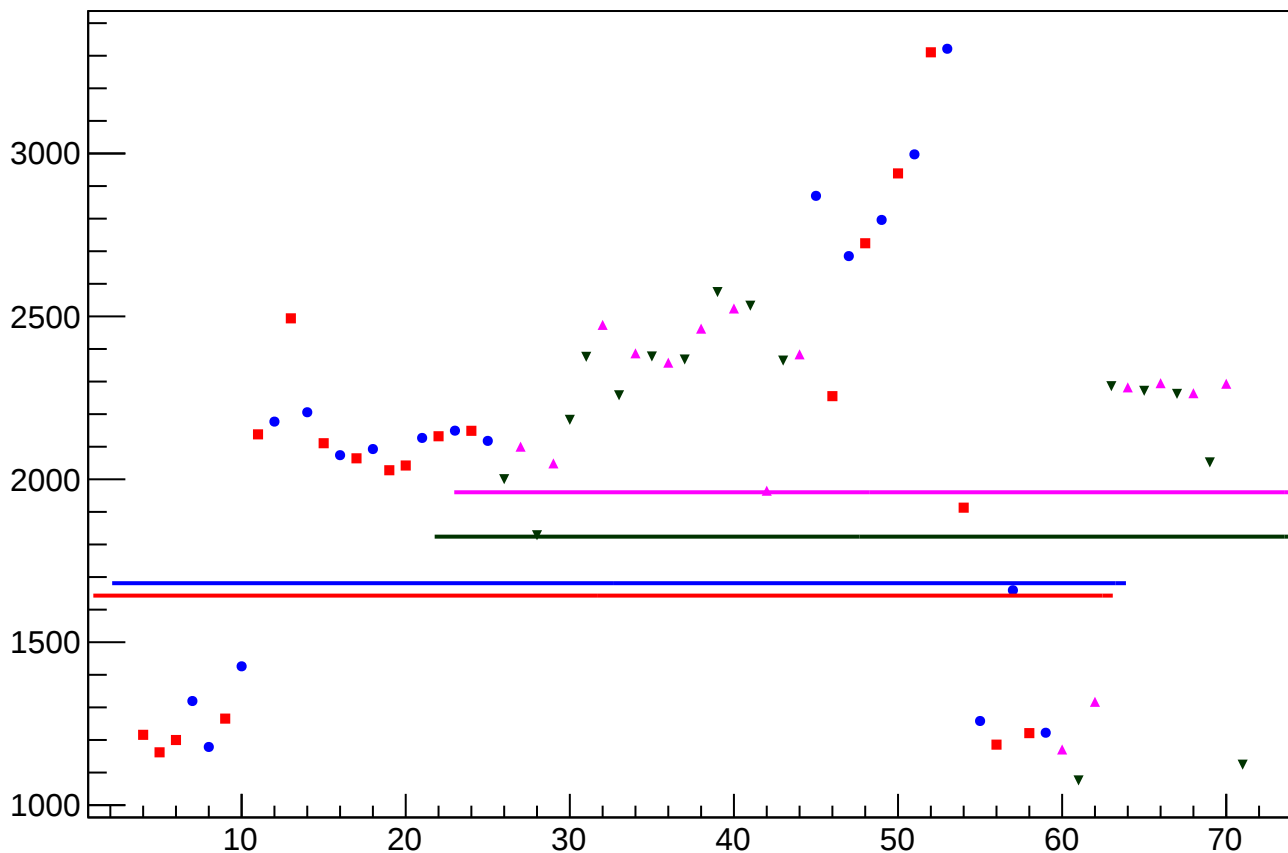
Right Out: -0.942 ± 0.553 χ^2/NDF : 32.9/18

Left In: 0.577 ± 0.690 χ^2/NDF : 16.3/14

0.625 ± 0.415 χ^2/NDF : 30.6/33

-0.348 ± 0.431 χ^2/NDF : 52.2/33

diff_bpm11Y_rms vs slug



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

Left Out: 1824.046 $\pm$ 0.470 χ^2 /NDF:1439898.2/15

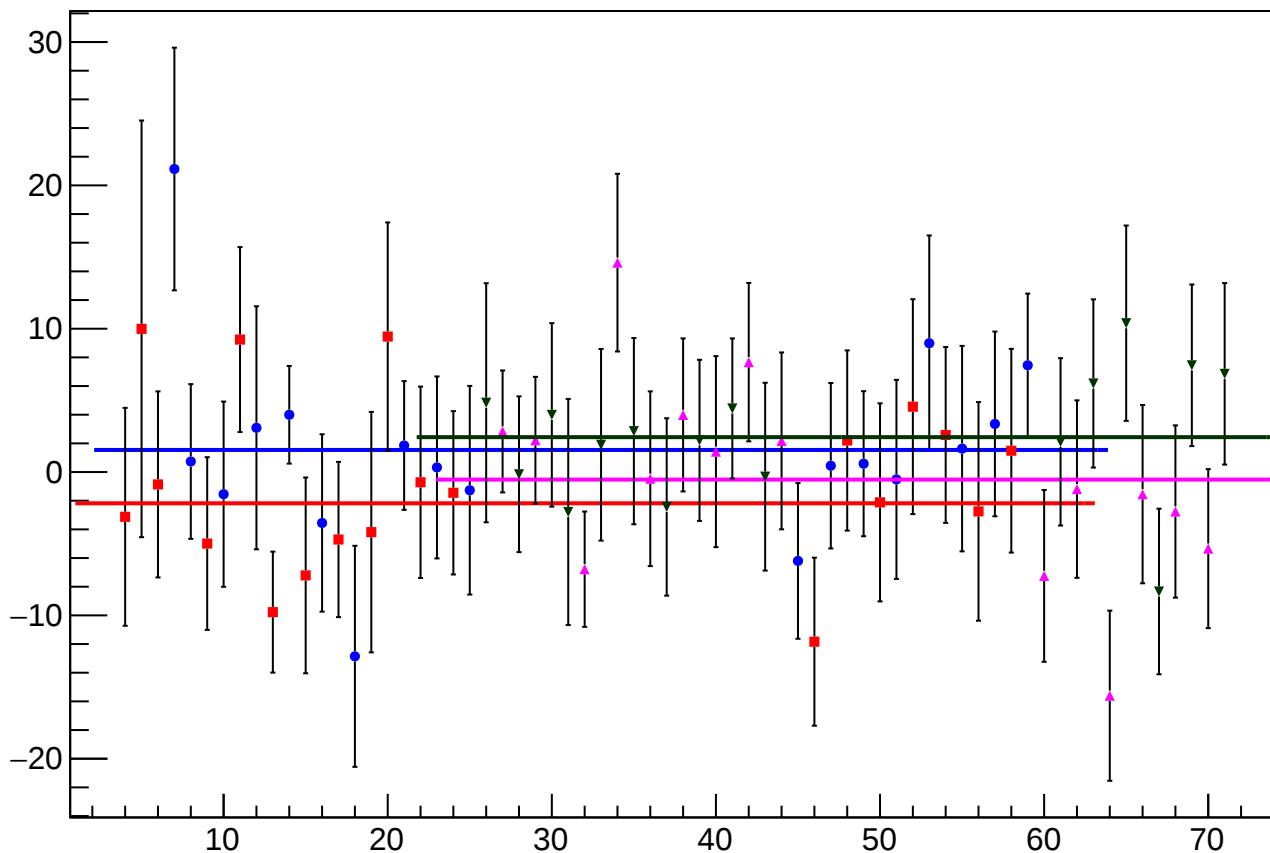
Right Out: 1643.071 $\pm$ 0.391 χ^2 /NDF: 1969332.5/18

Left In: 1960.230 $\pm$ 0.488 χ^2 /NDF:1013394.7/14

1737.011 $\pm$ 0.294 χ^2 /NDF: 3709187.0/33

1767.047 $\pm$ 0.305 χ^2 /NDF: 3240299.7/33

diff_bpm12X_mean vs slug



Right In: 1.541 ± 1.369 $\chi^2/\text{NDF}: 15.2/17$

Left Out: 2.434 ± 1.536 $\chi^2/\text{NDF}: 8.3/15$

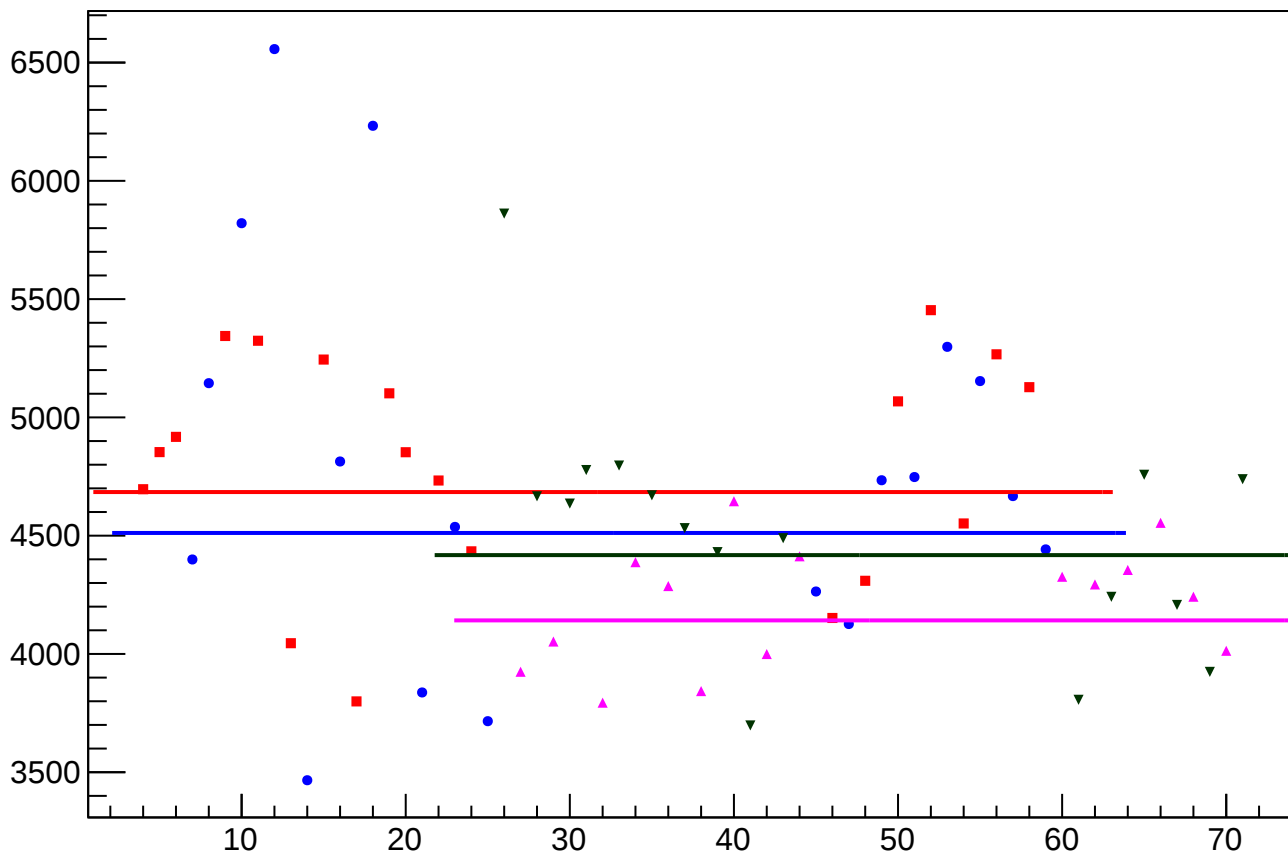
Right Out: -2.180 ± 1.492 $\chi^2/\text{NDF}: 15.2/18$

Left In: -0.526 ± 1.406 $\chi^2/\text{NDF}: 21.2/14$

1.937 ± 1.022 $\chi^2/\text{NDF}: 23.7/33$

-1.303 ± 1.023 $\chi^2/\text{NDF}: 37.1/33$

diff_bpm12X_rms vs slug



Right In: 4511.494 $\pm$ 0.968 χ^2 /NDF: 646999.1/17

Left Out: 4417.829 $\pm$ 1.086 χ^2 /NDF:176271.1/15

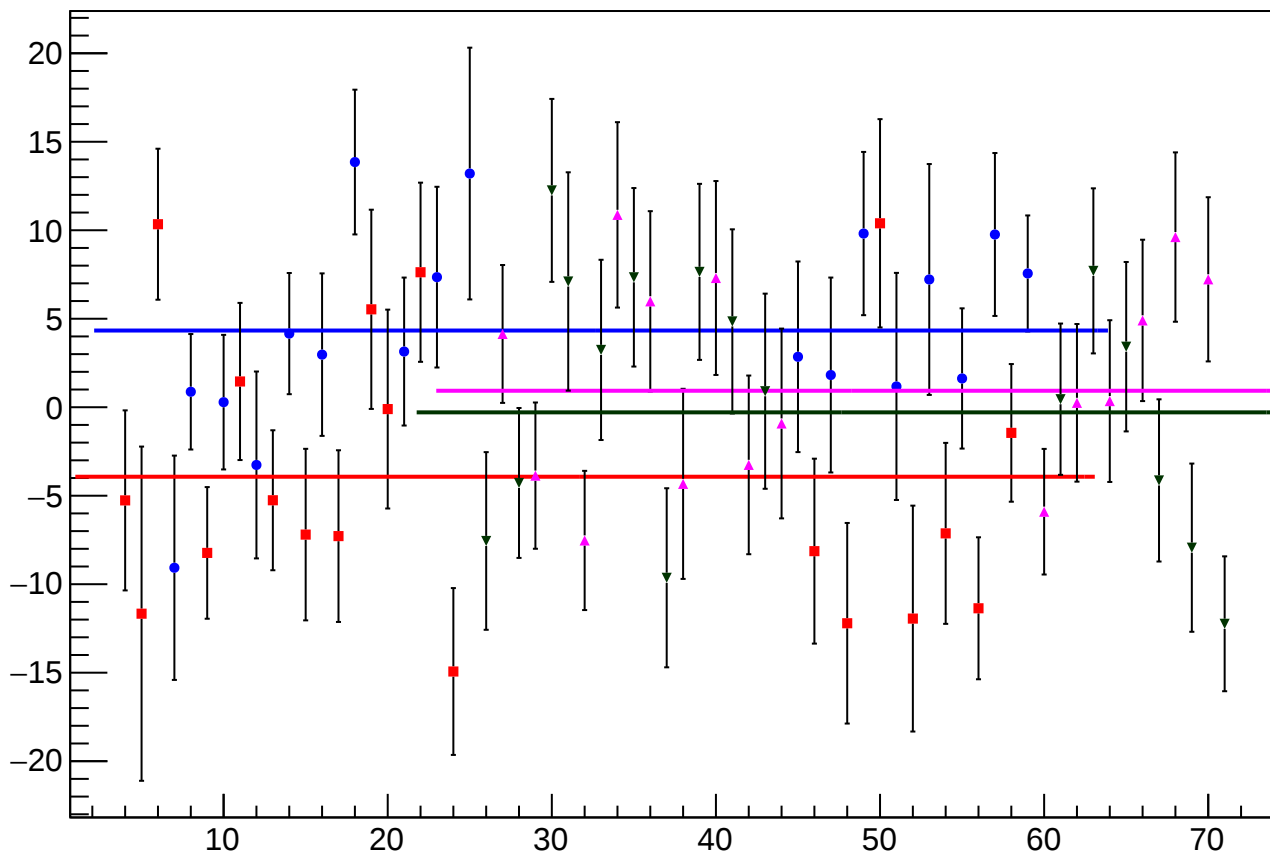
Right Out: 4684.391 $\pm$ 1.055 χ^2 /NDF: 240230.9/18

Left In: 4141.843 $\pm$ 0.994 χ^2 /NDF:64256.4/14

4470.012 $\pm$ 0.723 χ^2 /NDF: 827415.4/33

4396.863 $\pm$ 0.724 χ^2 /NDF: 444558.4/33

diff_bpm12Y_mean vs slug



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

Left Out: -0.290 ± 1.203 χ^2/NDF : 36.8/15

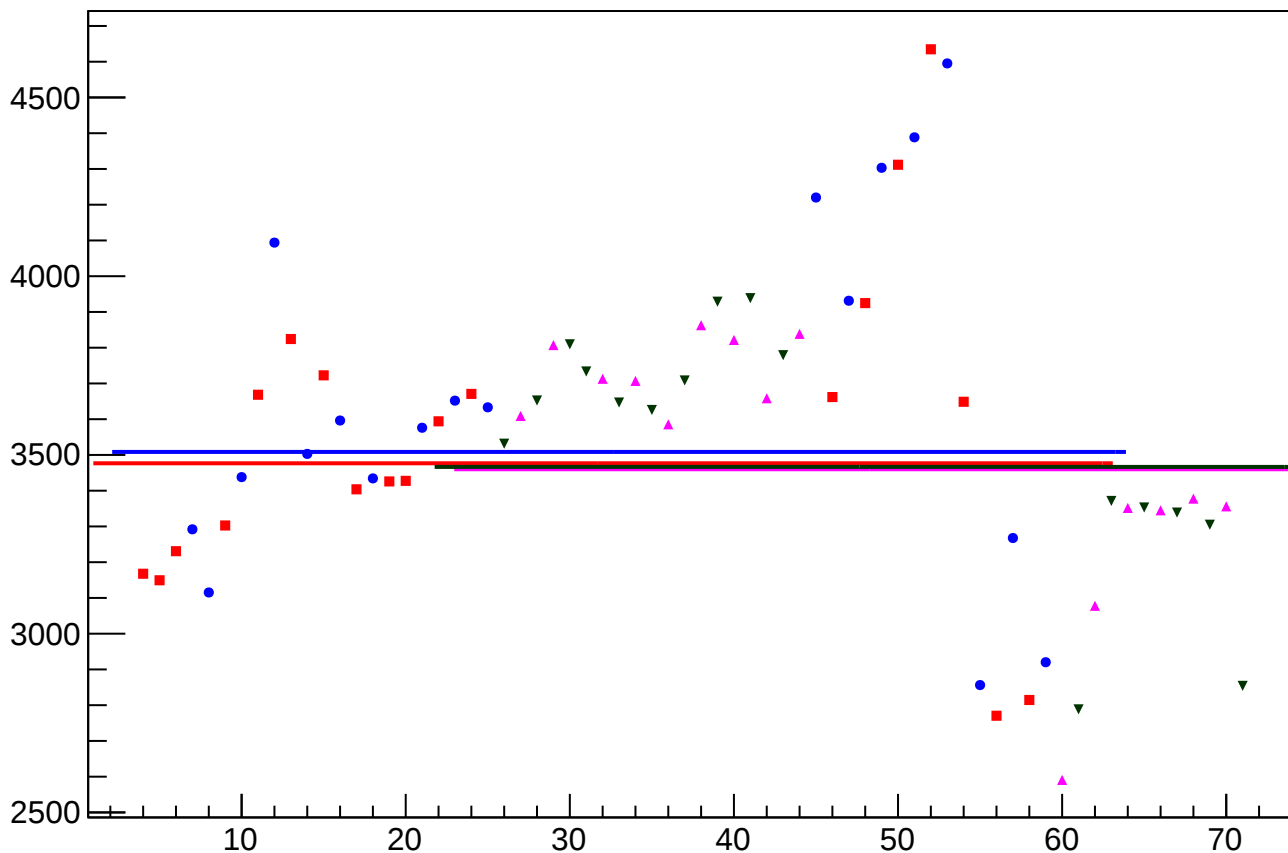
Right Out: -3.927 ± 1.110 χ^2/NDF : 44.2/18

Left In: 0.931 ± 1.177 χ^2/NDF : 24.0/14

2.322 ± 0.793 χ^2/NDF : 66.4/33

-1.640 ± 0.807 χ^2/NDF : 77.3/33

diff_bpm12Y_rms vs slug



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

Left Out: 3466.511 $\pm$ 0.850 χ^2 /NDF:173812.6/15

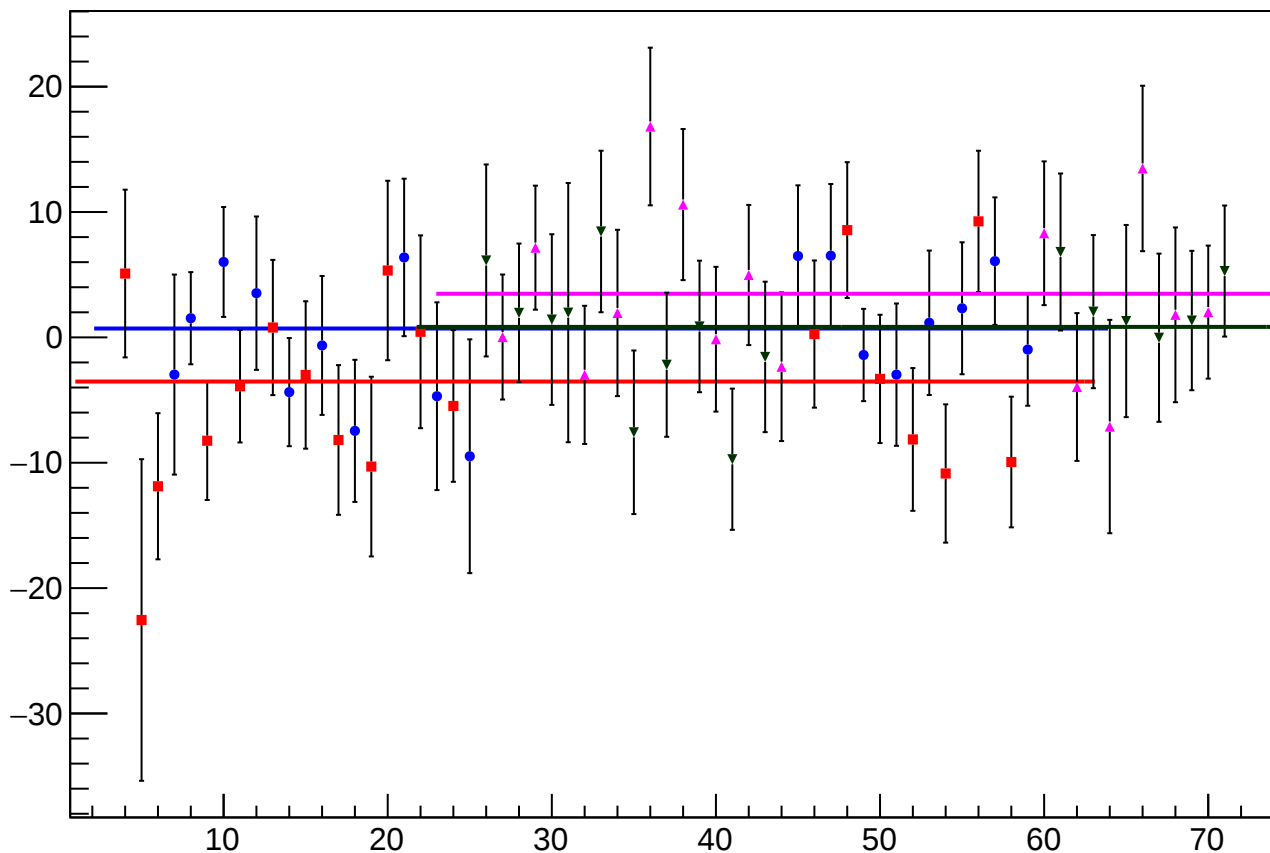
Right Out: 3476.662 $\pm$ 0.785 χ^2 /NDF: 293750.8/18

Left In: 3459.973 $\pm$ 0.832 χ^2 /NDF:202661.6/14

3490.205 $\pm$ 0.561 χ^2 /NDF: 559322.7/33

3468.806 $\pm$ 0.571 χ^2 /NDF: 496625.2/33

diff_bpm16X_mean vs slug



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

Left Out: 0.837 ± 1.553 $\chi^2/\text{NDF}: 9.3/15$

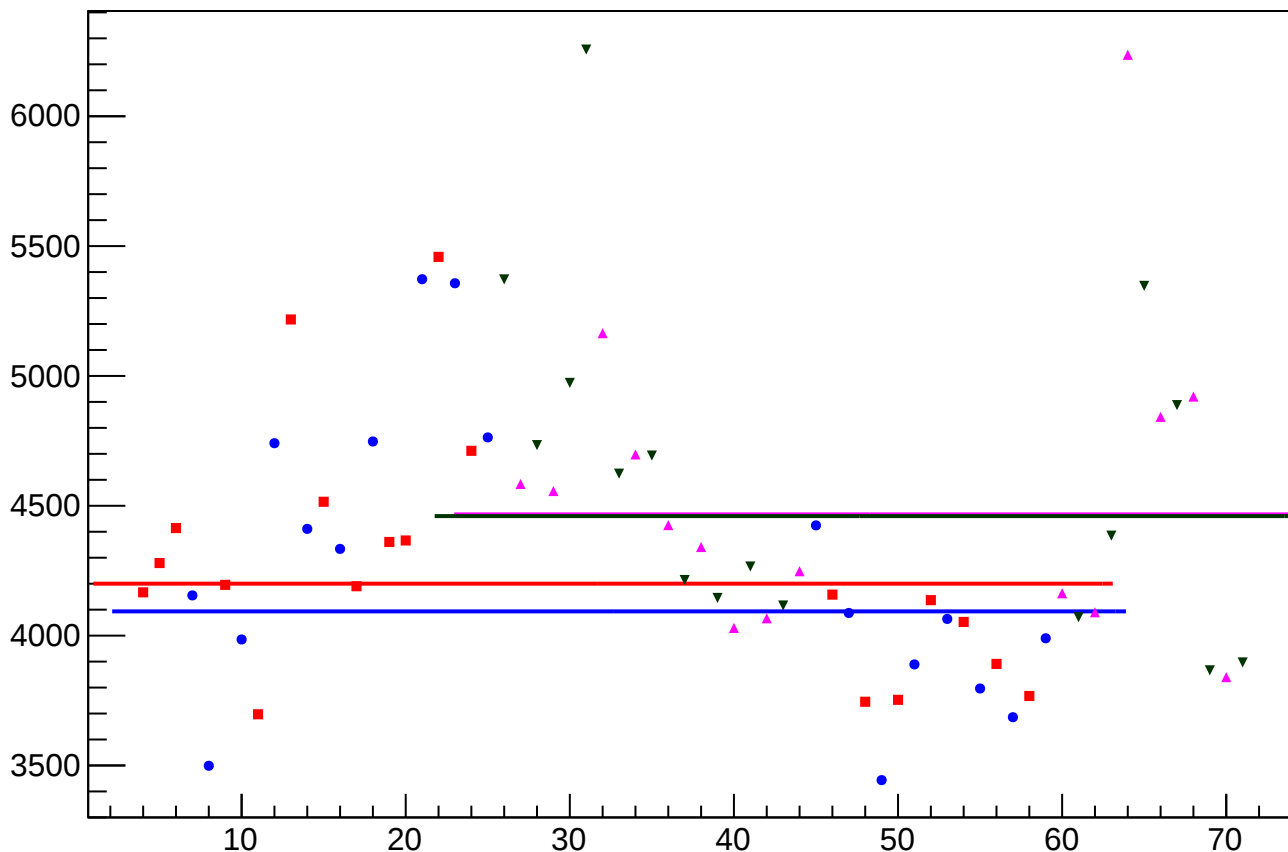
Right Out: -3.522 ± 1.336 $\chi^2/\text{NDF}: 25.4/18$

Left In: 3.480 ± 1.521 $\chi^2/\text{NDF}: 16.1/14$

0.757 ± 0.964 $\chi^2/\text{NDF}: 21.4/33$

-0.473 ± 1.004 $\chi^2/\text{NDF}: 53.5/33$

diff_bpm16X_rms vs slug



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

Left Out: 4460.293 $\pm$ 1.098 χ^2 /NDF: 217622.1/15

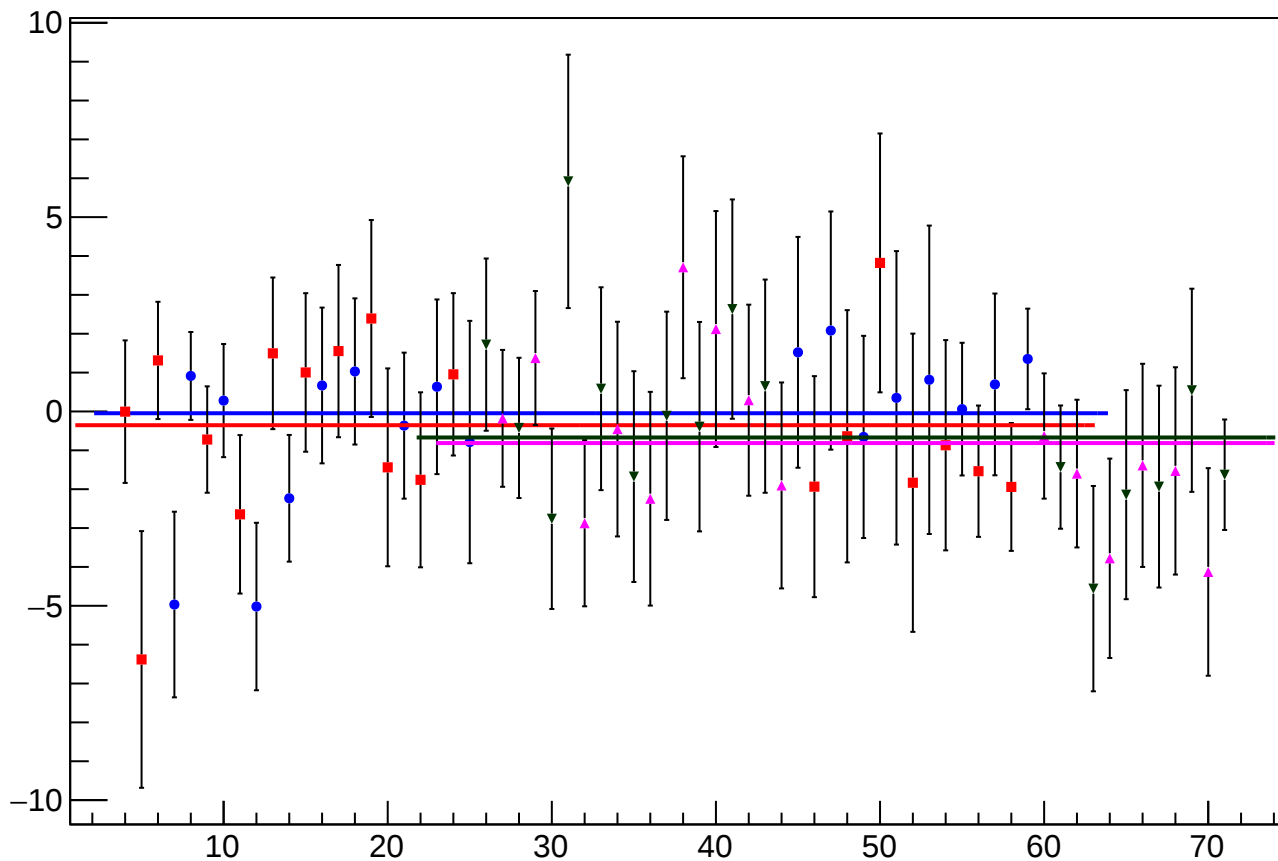
Right Out: 4200.125 $\pm$ 0.945 χ^2 /NDF: 225858.3/18

Left In: 4466.941 $\pm$ 1.076 χ^2 /NDF: 204792.8/14

4234.673 $\pm$ 0.681 χ^2 /NDF: 645983.7/33

4316.294 $\pm$ 0.710 χ^2 /NDF: 465384.8/33

diff_bpm16Y_mean vs slug



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

Left Out: -0.669 ± 0.570 χ^2/NDF : 11.7/15

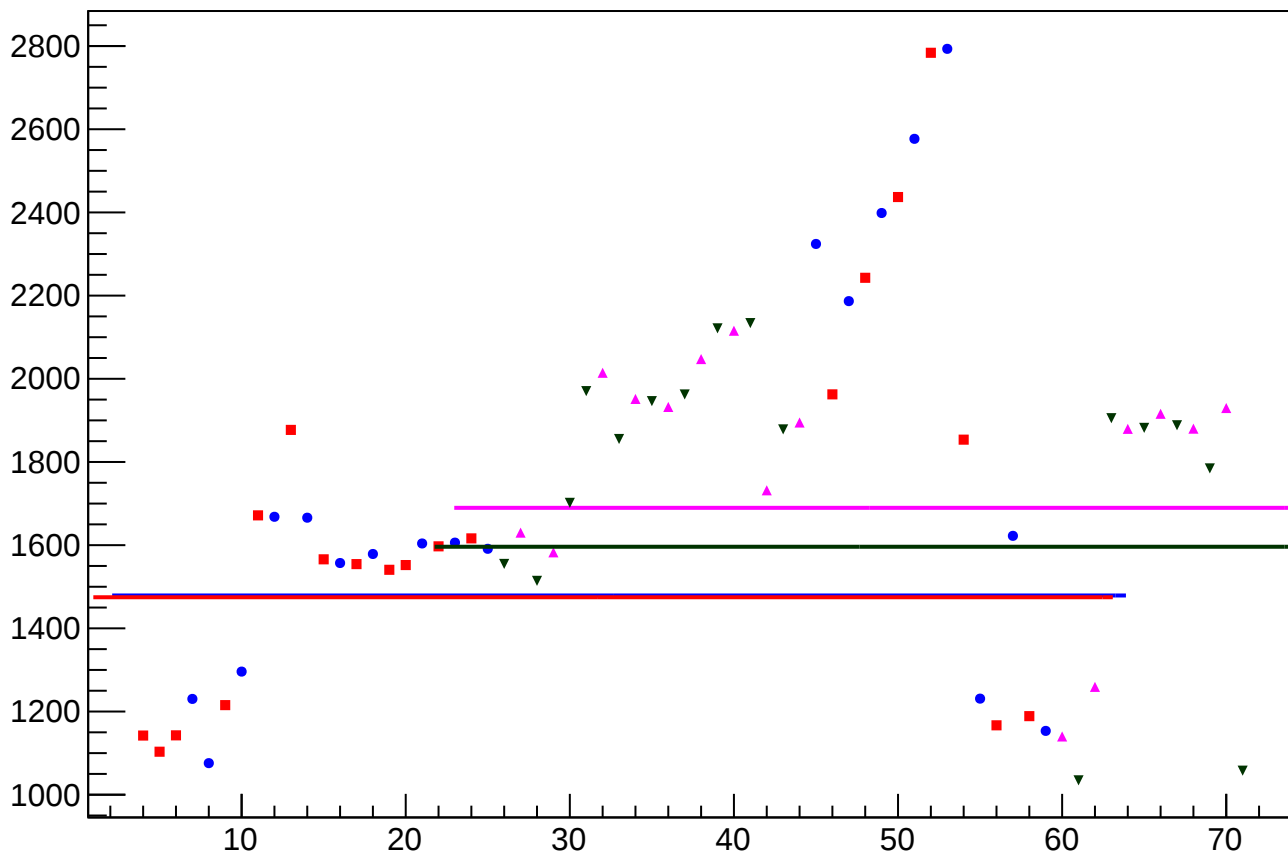
Right Out: -0.354 ± 0.483 χ^2/NDF : 13.6/18

Left In: -0.813 ± 0.585 χ^2/NDF : 10.0/14

-0.291 ± 0.357 χ^2/NDF : 27.4/33

-0.540 ± 0.373 χ^2/NDF : 24.0/33

diff_bpm16Y_rms vs slug



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

Left Out: 1596.178+/-0.403 χ^2/NDF :919145.6/15

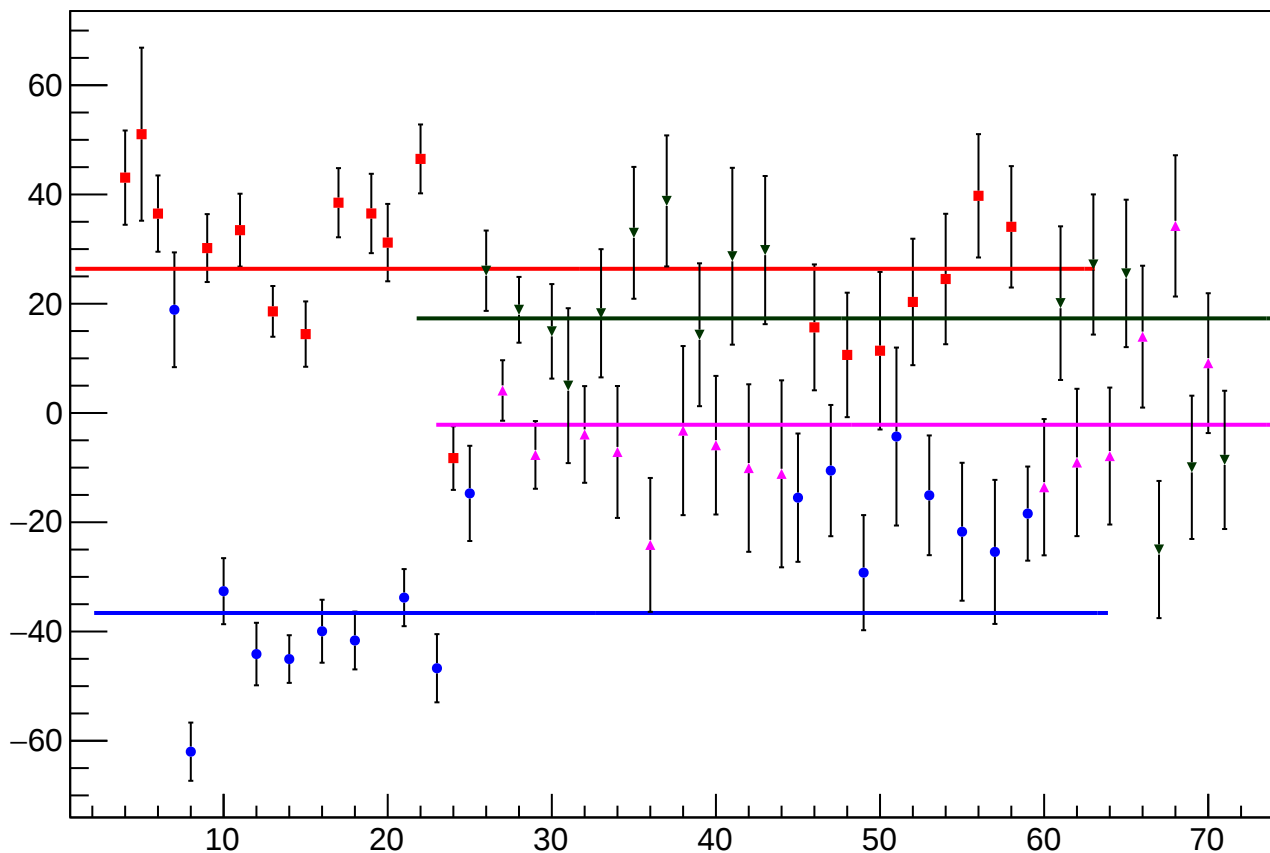
Right Out: 1474.750+/-0.342 χ^2/NDF : 1125200.2/18

Left In: 1689.755+/-0.414 χ^2/NDF :560614.0/14

1525.015+/-0.253 χ^2/NDF : 2429820.3/33

1561.974+/-0.264 χ^2/NDF : 1846333.4/33

diff_bpm0l01X_mean vs slug



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

Left Out: 17.318 $\pm$ 2.715 χ^2 /NDF: 29.5/15

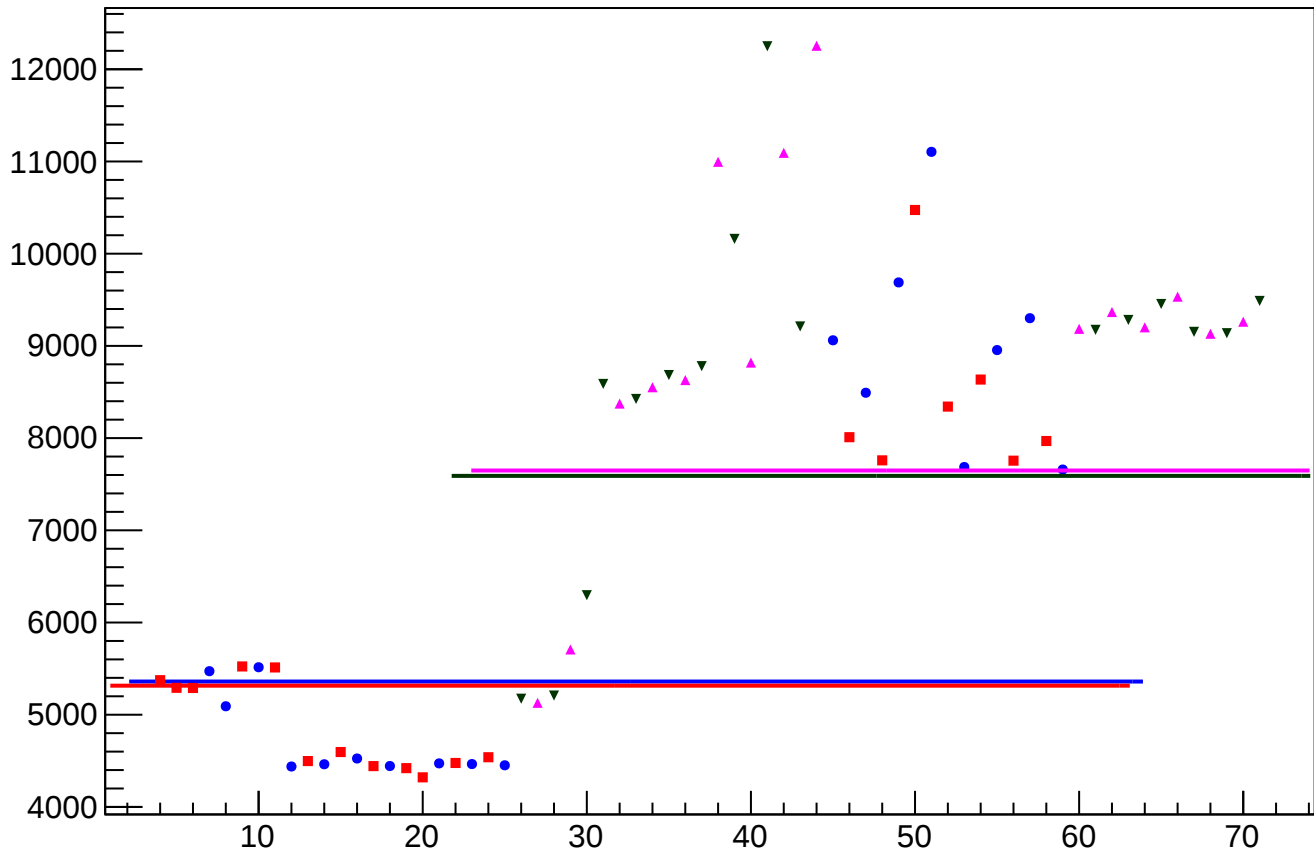
Right Out: 26.394 $\pm$ 1.742 χ^2 /NDF: 74.2/18

Left In: -2.154 $\pm$ 2.679 χ^2 /NDF: 17.7/14

-21.756 $\pm$ 1.425 χ^2 /NDF: 405.0/33

17.911 $\pm$ 1.460 χ^2 /NDF: 171.7/33

diff_bpm0l01X_rms vs slug



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

Left Out: 7590.354+/-1.920 χ^2/NDF :1103668.8/15

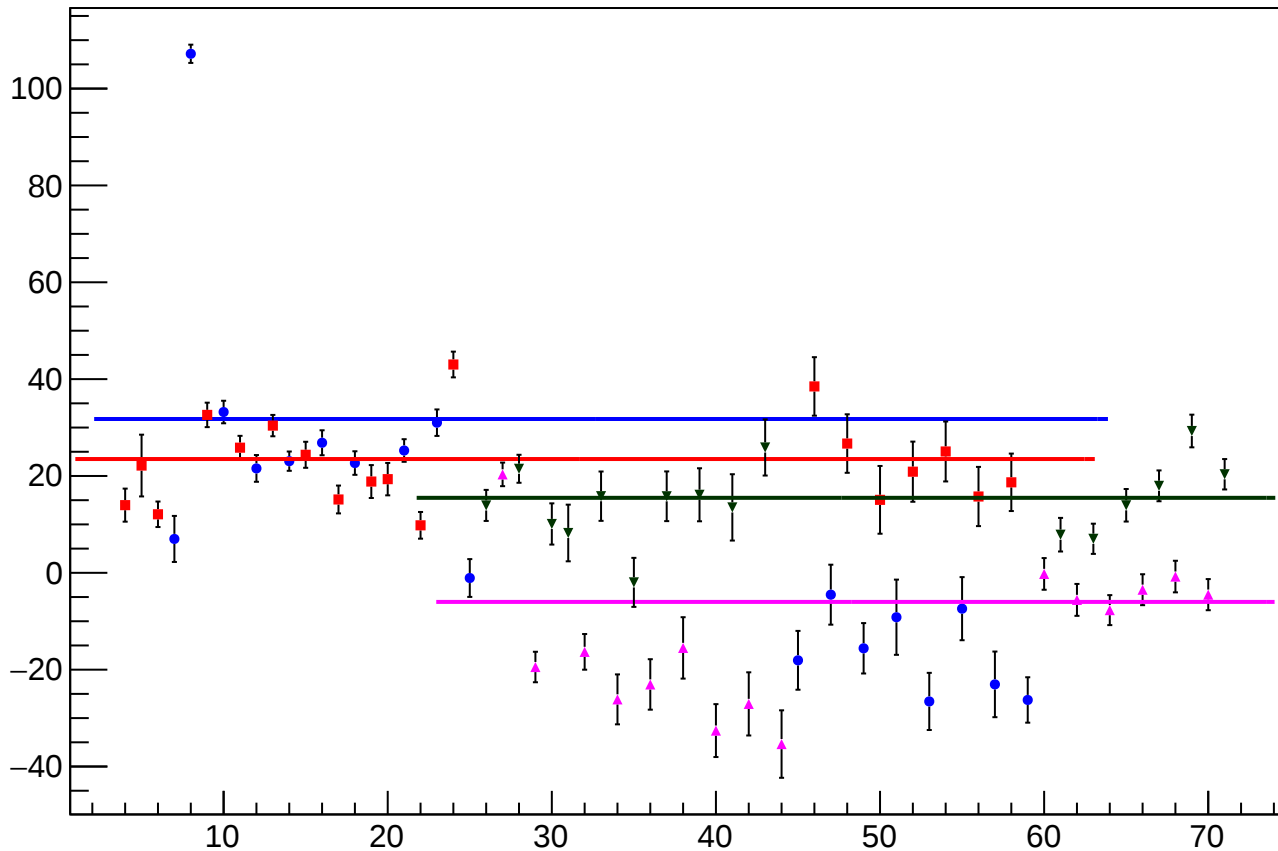
Right Out: 5315.062+/-1.232 χ^2/NDF : 1229938.4/18

Left In: 7648.629+/-1.894 χ^2/NDF :1198088.1/14

5974.223+/-1.008 χ^2/NDF : 3941413.7/33

6008.499+/-1.033 χ^2/NDF : 3494557.3/33

diff_bpm0l01Y_mean vs slug



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

Left Out: 15.489 $\pm$ 0.970 χ^2/NDF : 55.0/15

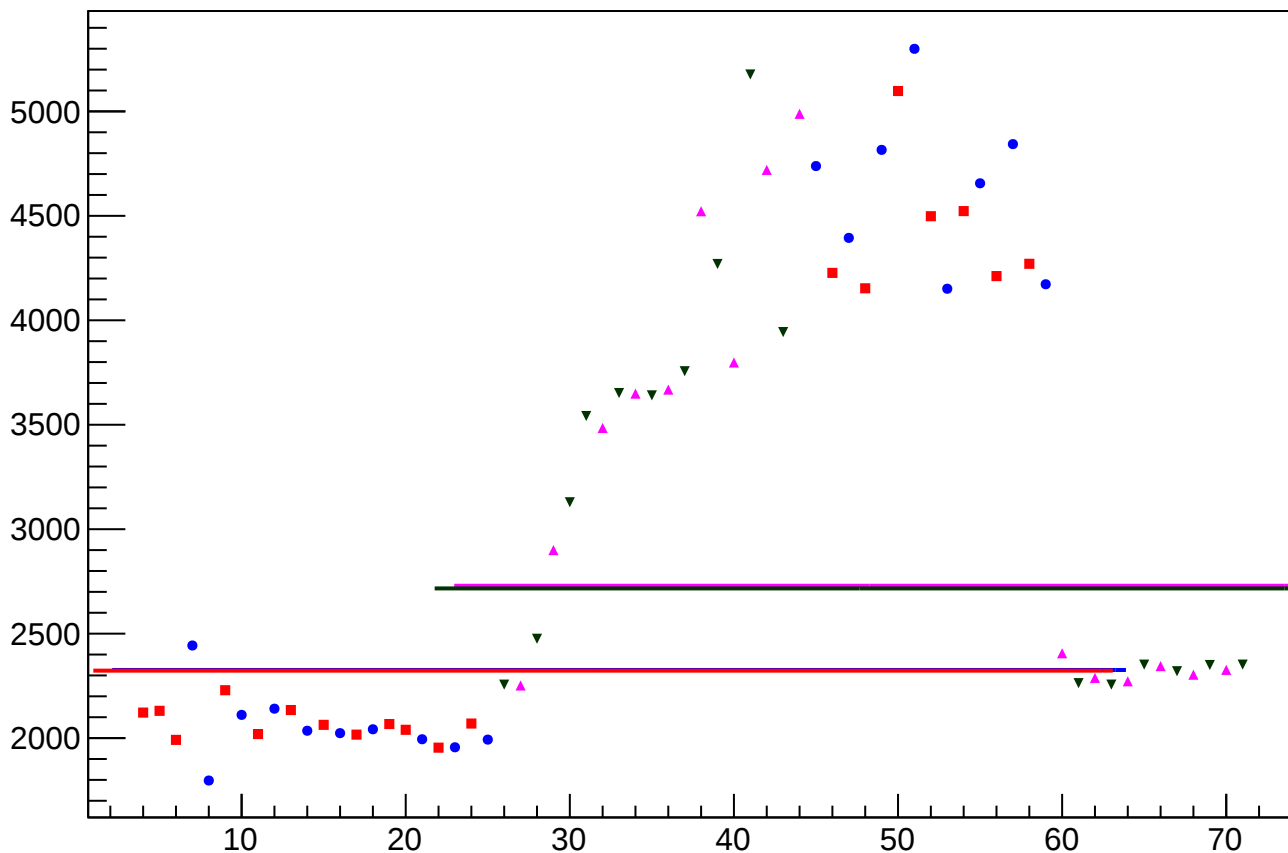
Right Out: 23.500 $\pm$ 0.773 χ^2/NDF : 151.3/18

Left In: -6.007 $\pm$ 0.954 χ^2/NDF : 229.9/14

25.767 $\pm$ 0.589 χ^2/NDF : 2556.1/33

11.813 $\pm$ 0.600 χ^2/NDF : 958.8/33

diff_bpm0l01Y_rms vs slug



Right In: 2326.082+/-0.524 χ^2/NDF : 2696546.0/17

Left Out: 2716.531+/-0.686 χ^2/NDF :1021343.3/15

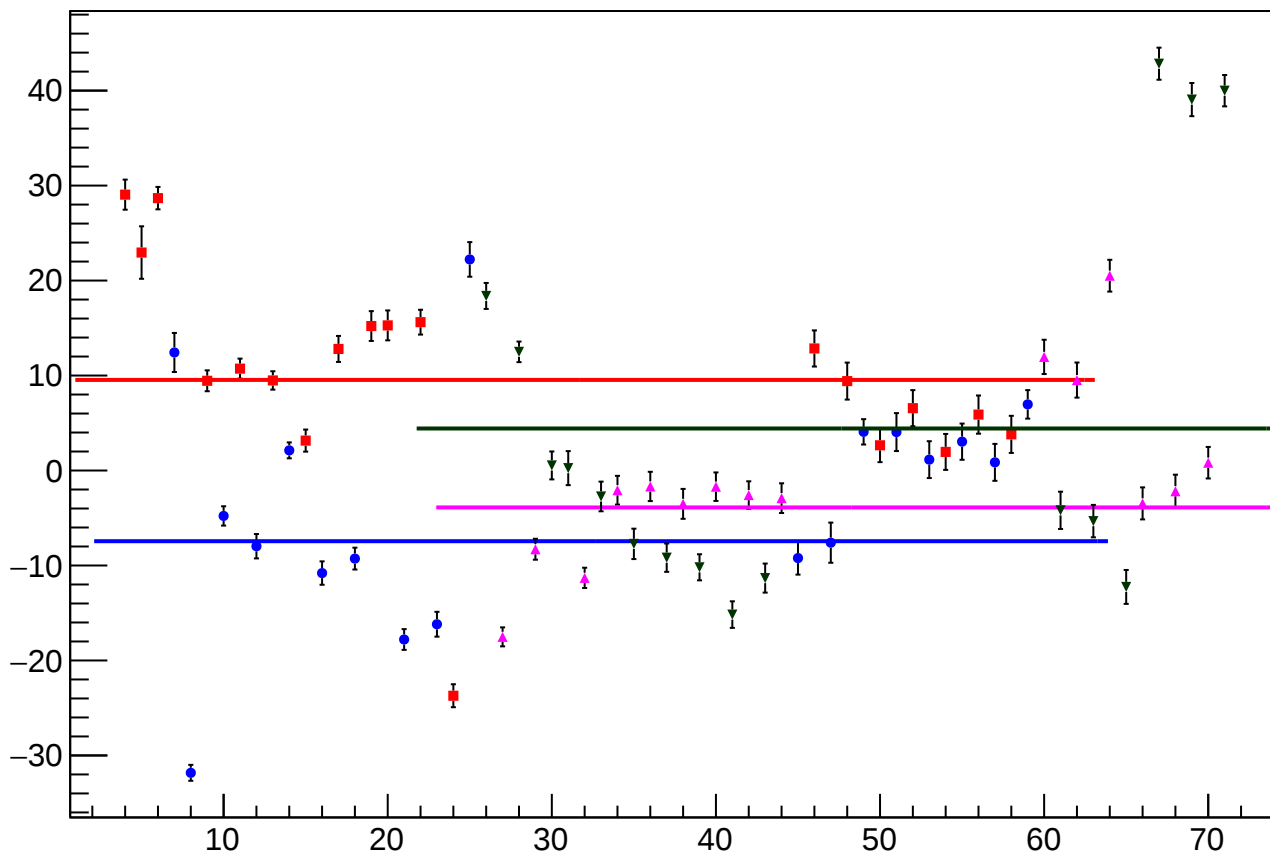
Right Out: 2322.918+/-0.546 χ^2/NDF : 1810759.5/18

Left In: 2729.390+/-0.675 χ^2/NDF :1121789.1/14

2470.008+/-0.416 χ^2/NDF : 3922676.3/33

2483.906+/-0.425 χ^2/NDF : 3151793.5/33

diff_bpm2i01X_mean vs slug



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

Left Out: 4.424 ± 0.382 χ^2/NDF : 2263.2/15

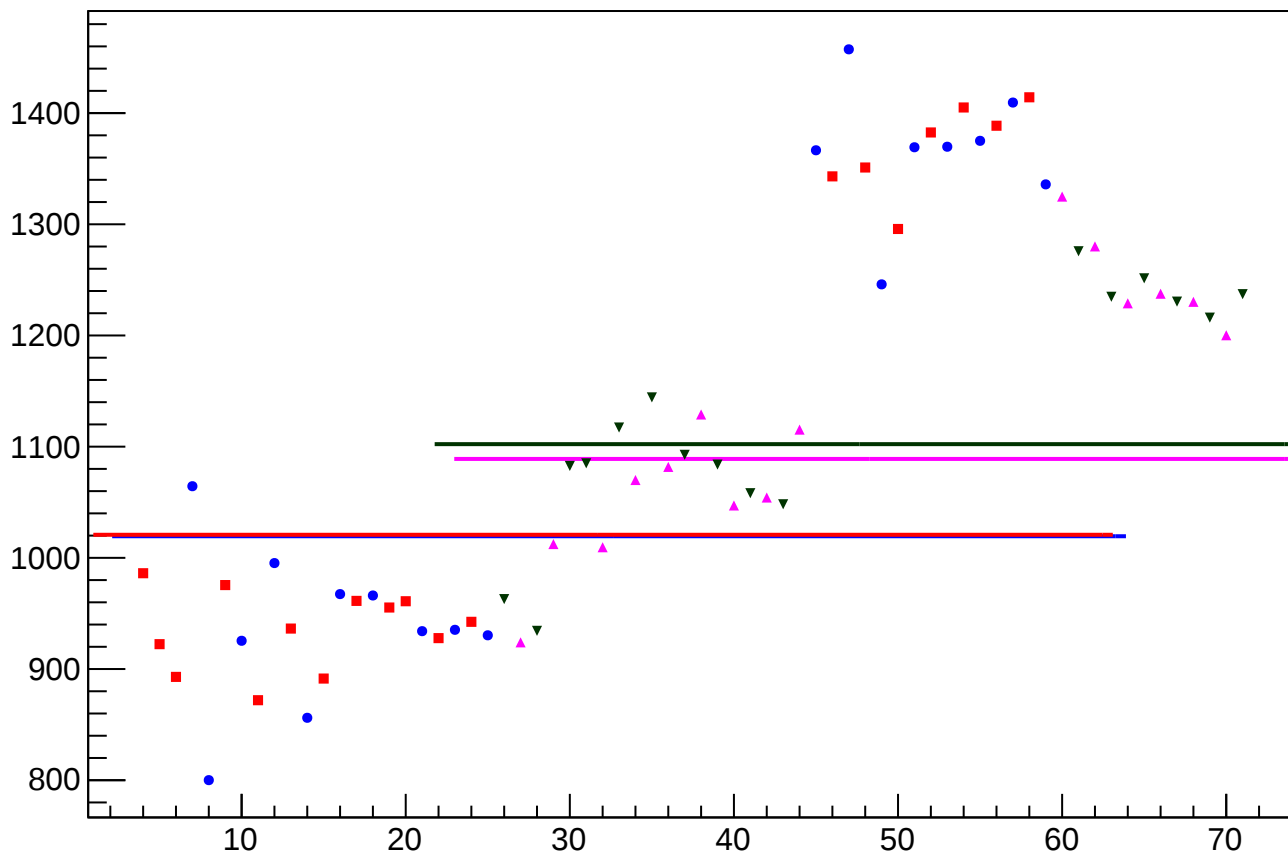
Right Out: 9.540 ± 0.328 χ^2/NDF : 1327.8/18

Left In: -3.888 ± 0.370 χ^2/NDF : 608.2/14

-2.737 ± 0.241 χ^2/NDF : 4598.4/33

3.644 ± 0.245 χ^2/NDF : 2673.5/33

diff_bpm2i01X_rms vs slug



Right In: 1019.424 $\pm$ 0.219 χ^2 /NDF: 852878.1/17

Left Out: 1102.258 $\pm$ 0.270 χ^2 /NDF:150800.4/15

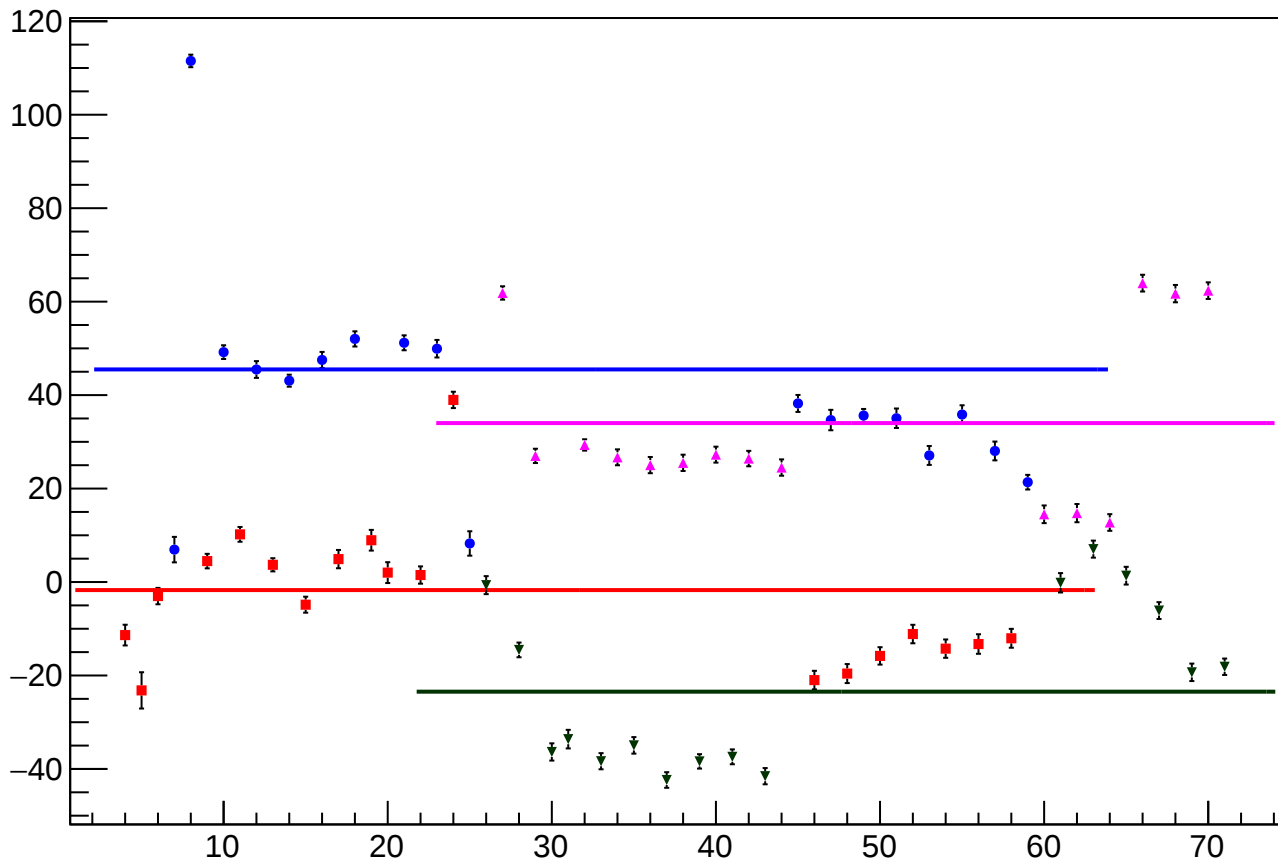
Right Out: 1020.749 $\pm$ 0.232 χ^2 /NDF: 605072.5/18

Left In: 1088.961 $\pm$ 0.262 χ^2 /NDF:187349.1/14

1052.269 $\pm$ 0.170 χ^2 /NDF: 1060325.1/33

1050.702 $\pm$ 0.173 χ^2 /NDF: 830491.5/33

diff_bpm2i01Y_mean vs slug



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

Left Out: -1.724±/0.434 χ^2/NDF : 1071.7/18

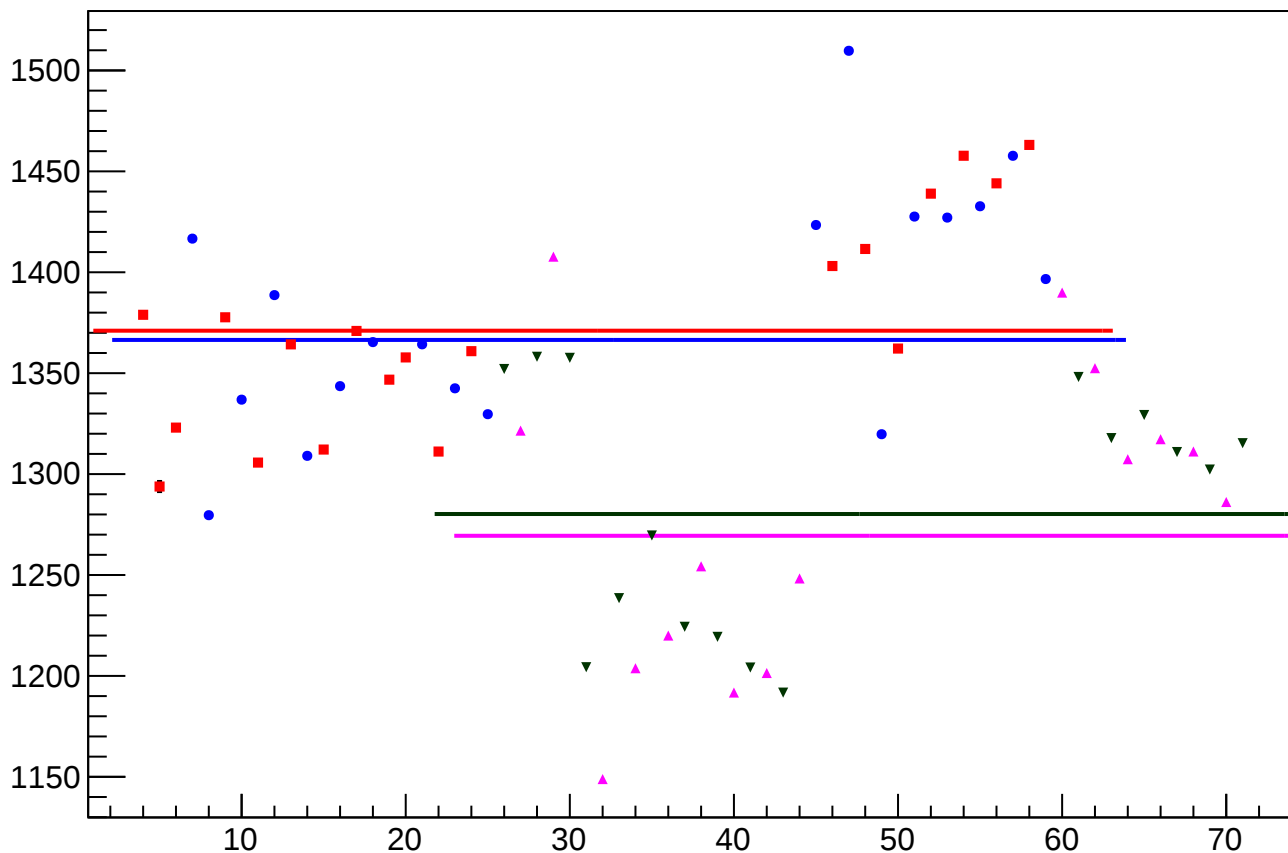
Right Out: -23.464±/0.442 χ^2/NDF : 1454.9/15

Left In: 34.014±/0.430 χ^2/NDF : 1652.8/14

13.805±/0.300 χ^2/NDF : 17989.2/33

16.316±/0.305 χ^2/NDF : 6148.3/33

diff_bpm2i01Y_rms vs slug



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

Left Out: 1280.219+/-0.313 χ^2/NDF : 36449.6/15

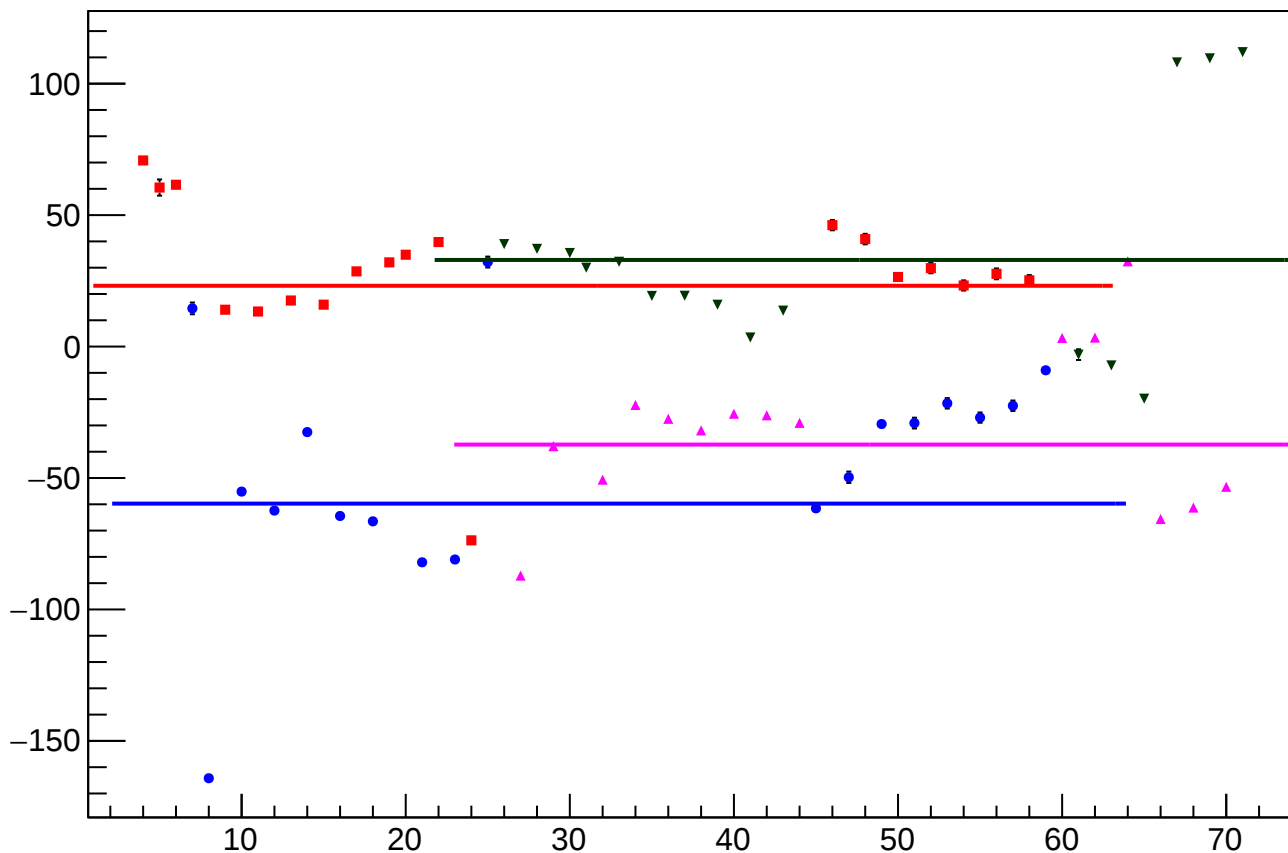
Right Out: 1371.055+/-0.307 χ^2/NDF : 24860.5/18

Left In: 1269.434+/-0.304 χ^2/NDF : 66545.3/14

1326.836+/-0.212 χ^2/NDF : 116172.0/33

1319.759+/-0.216 χ^2/NDF : 146771.6/33

diff_bpm2i02X_mean vs slug



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

Left Out: 32.947 ± 0.399 $\chi^2/\text{NDF}: 8362.5/15$

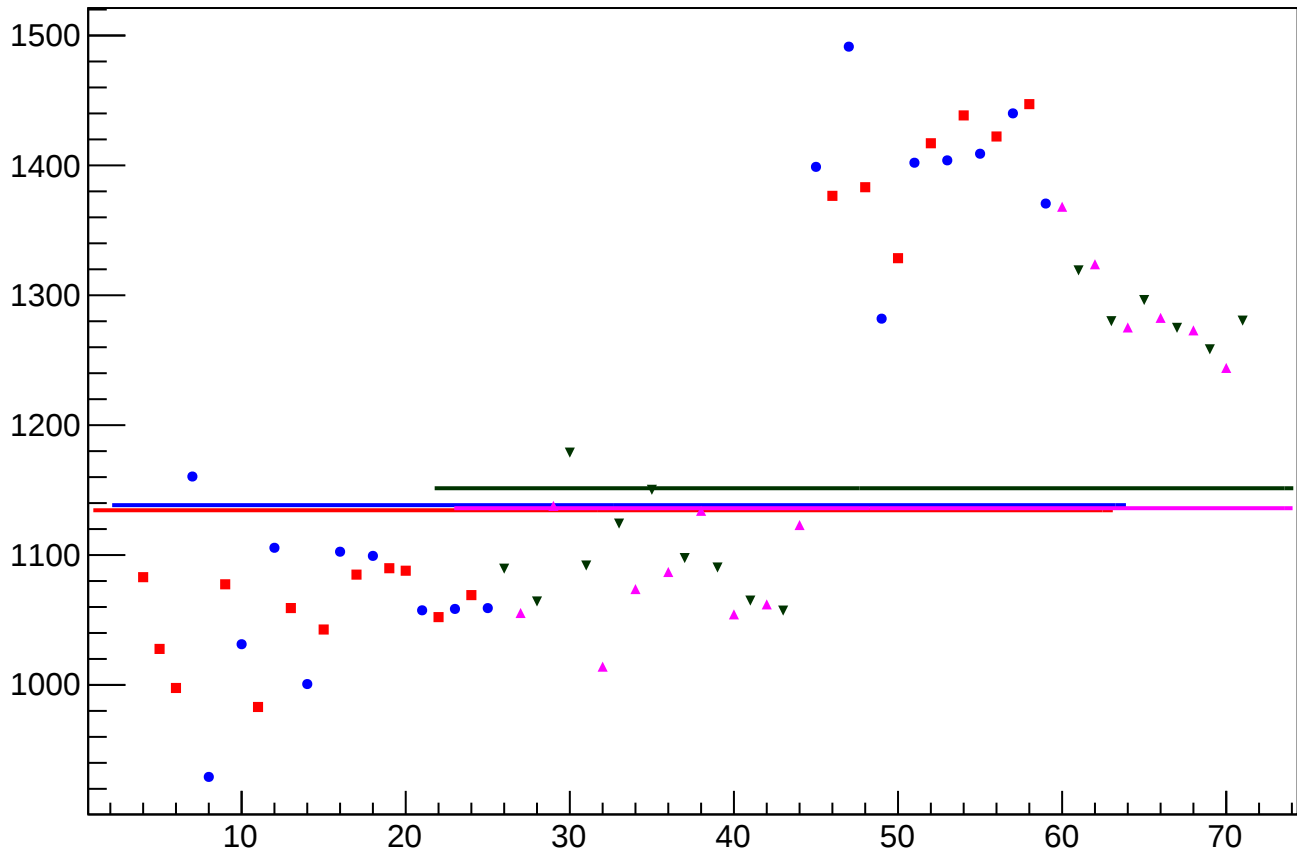
Right Out: 23.126 ± 0.362 $\chi^2/\text{NDF}: 7355.2/18$

Left In: -37.281 ± 0.386 $\chi^2/\text{NDF}: 5423.8/14$

-20.306 ± 0.260 $\chi^2/\text{NDF}: 58162.6/33$

-5.140 ± 0.264 $\chi^2/\text{NDF}: 25823.0/33$

diff_bpm2i02X_rms vs slug



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

Left Out: 1151.431 $\pm$ 0.282 χ^2 /NDF:102920.2/15

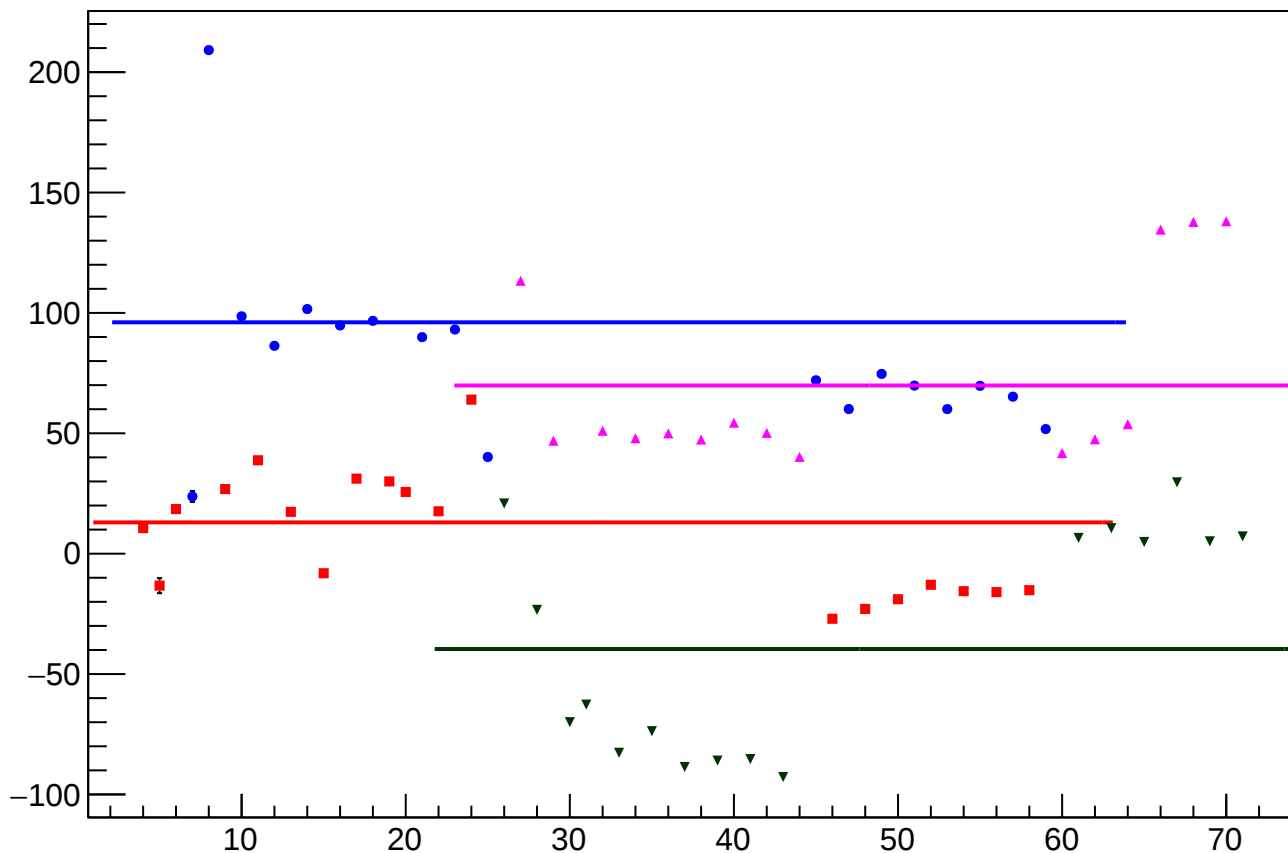
1143.950 $\pm$ 0.184 χ^2 /NDF: 592221.0/33

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

1135.220 $\pm$ 0.187 χ^2 /NDF: 509775.3/33

Left In: 1136.062 $\pm$ 0.273 χ^2 /NDF:149036.2/14

diff_bpm2i02Y_mean vs slug



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

Left Out: -39.596 $\pm$ 0.395 χ^2 /NDF:13040.1/15

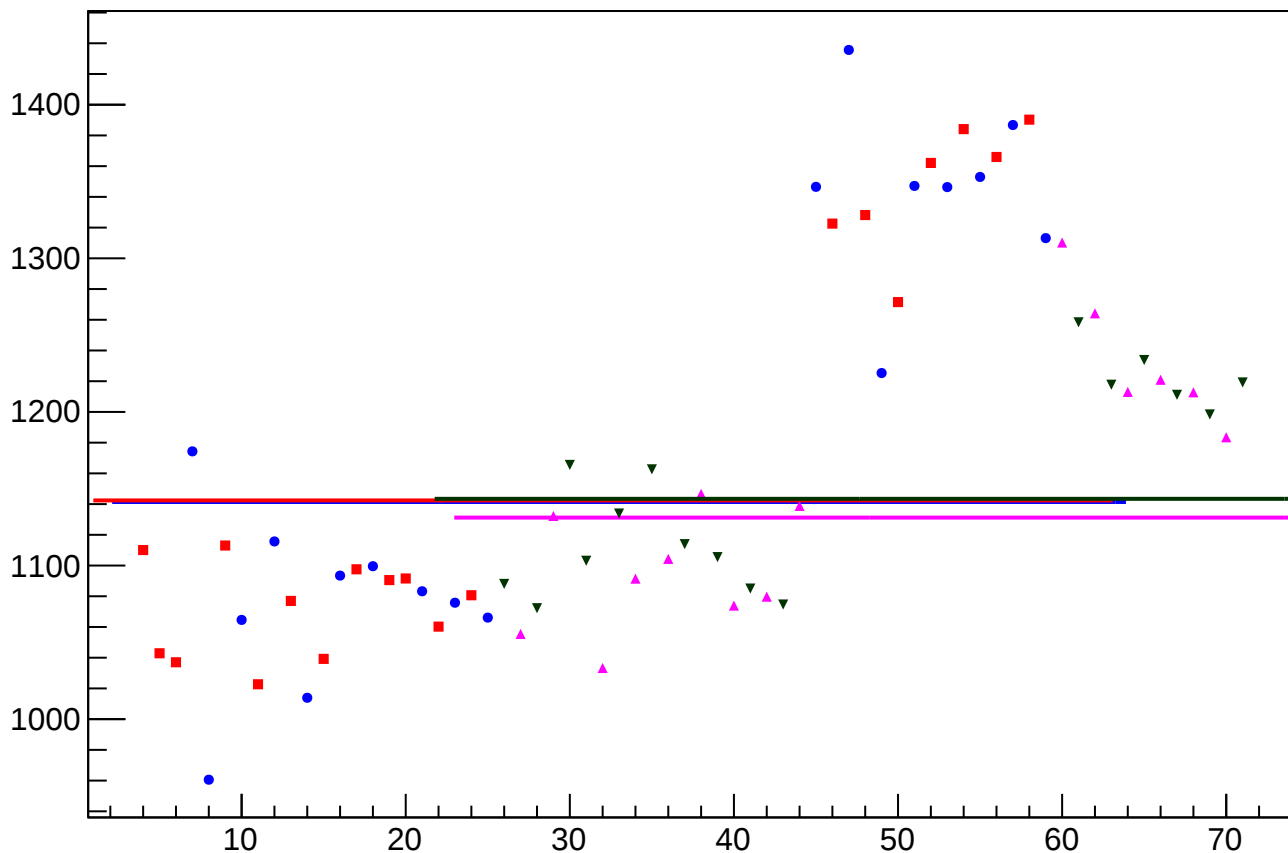
Right Out: 12.992 $\pm$ 0.363 χ^2 /NDF: 4541.3/18

Left In: 69.849 $\pm$ 0.383 χ^2 /NDF:8589.0/14

37.835 $\pm$ 0.259 χ^2 /NDF: 97399.3/33

39.895 $\pm$ 0.264 χ^2 /NDF: 24721.9/33

diff_bpm2i02Y_rms vs slug



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

Left Out: 1143.430+/-0.280 χ^2/NDF : 46149.3/15

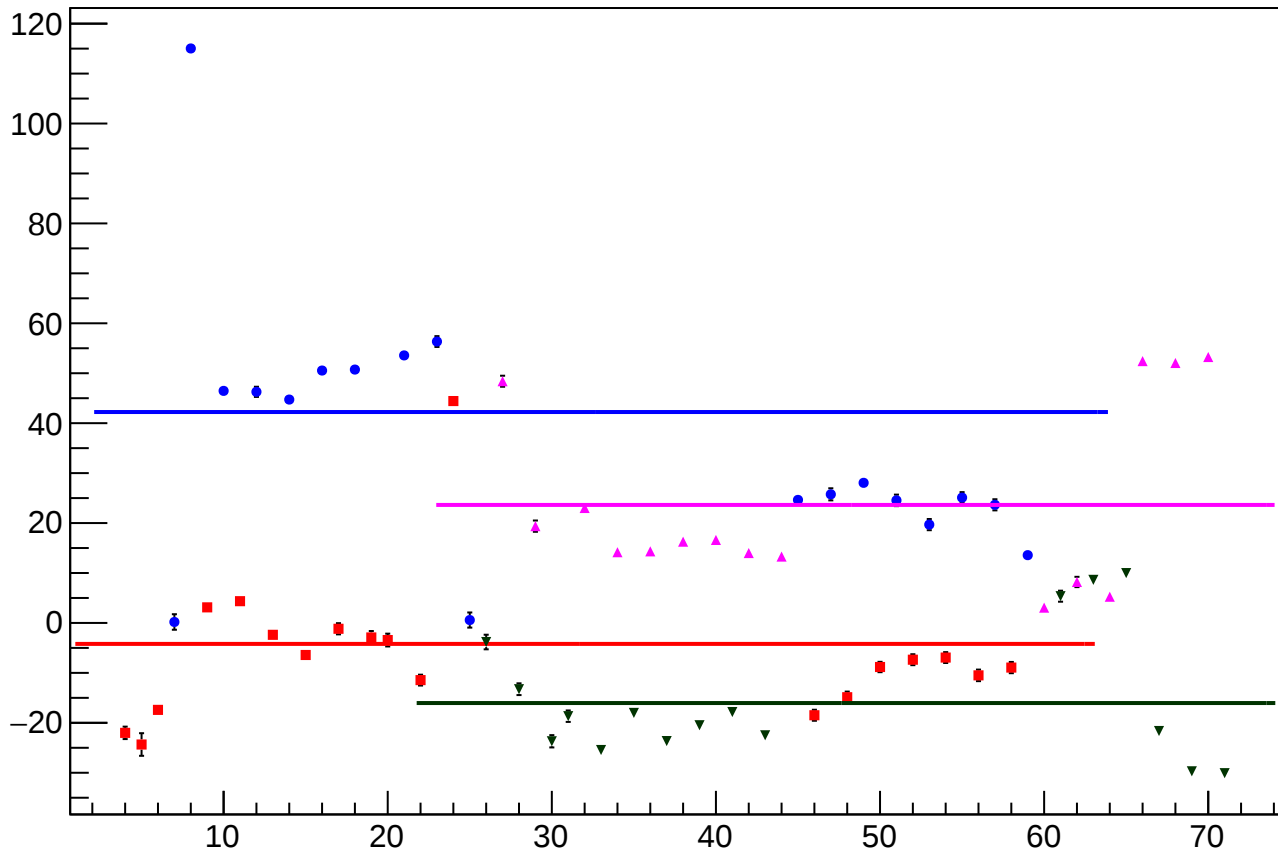
Right Out: 1142.390+/-0.257 χ^2/NDF : 236212.3/18

Left In: 1131.211+/-0.271 χ^2/NDF : 80189.4/14

1142.260+/-0.183 χ^2/NDF : 375486.3/33

1137.101+/-0.186 χ^2/NDF : 317297.7/33

diff_bpm1i04X_mean vs slug



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

Left Out: -16.039+/-0.254 χ^2/NDF : 2523.3/15

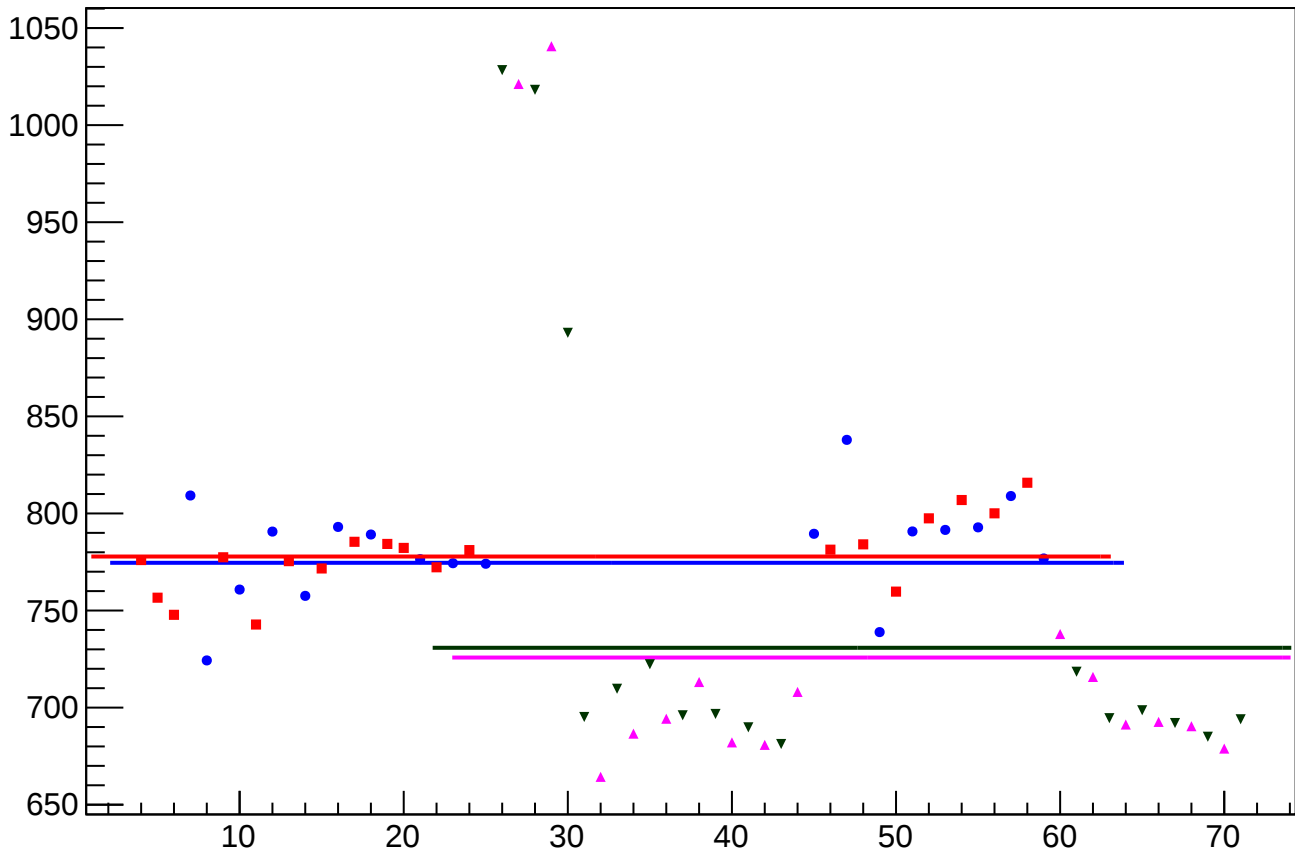
Right Out: -4.198+/-0.246 χ^2/NDF : 3378.3/18

Left In: 23.630+/-0.248 χ^2/NDF : 4820.9/14

15.919+/-0.171 χ^2/NDF : 45579.1/33

9.612+/-0.174 χ^2/NDF : 14561.3/33

diff_bpm1i04X_rms vs slug



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

Left Out: 730.811 ± 0.180 χ^2/NDF : 270531.2/15

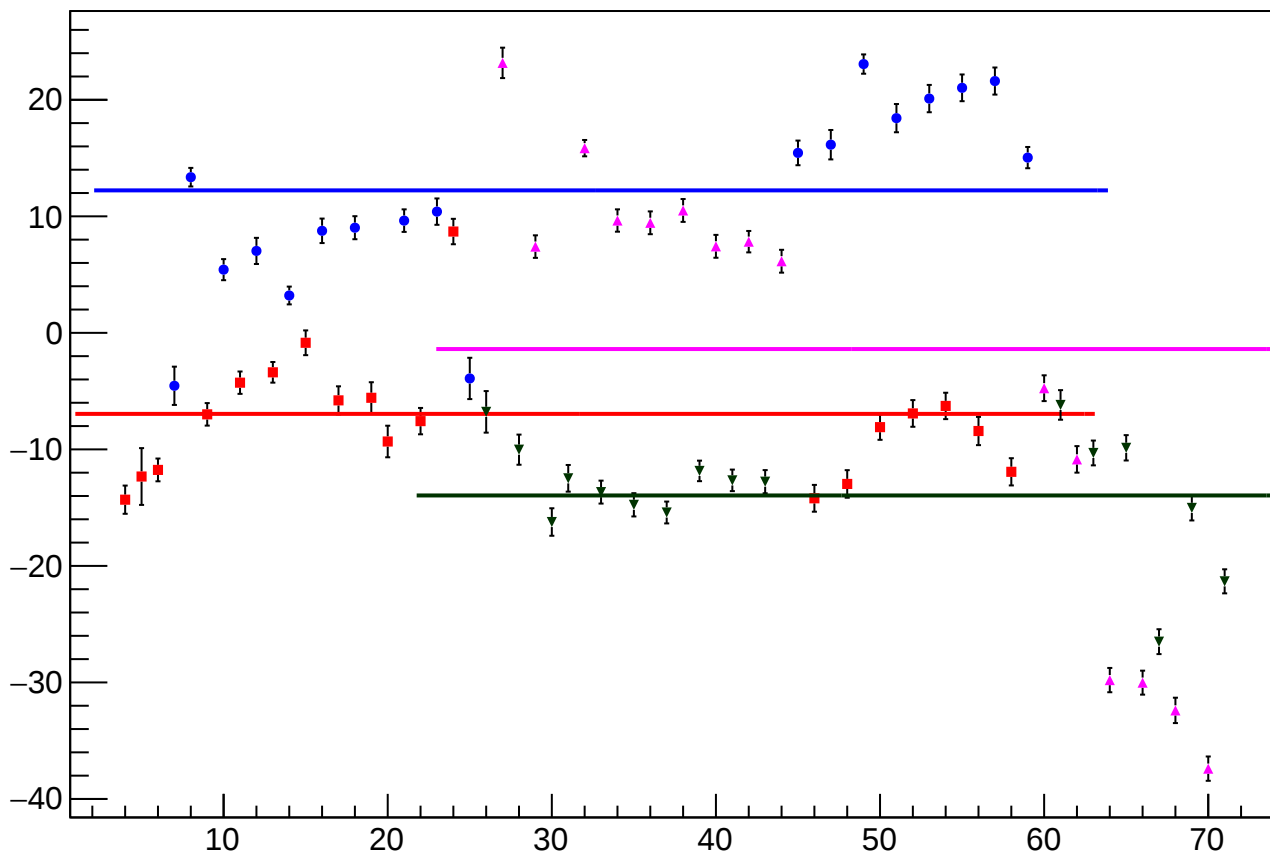
Right Out: 777.816 ± 0.174 χ^2/NDF : 11180.5/18

Left In: 725.787 ± 0.175 χ^2/NDF : 342654.5/14

754.817 ± 0.121 χ^2/NDF : 329350.1/33

751.996 ± 0.123 χ^2/NDF : 398314.7/33

diff_bpm1i04Y_mean vs slug



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

Left Out: -13.954+/-0.267 χ^2/NDF : 296.5/15

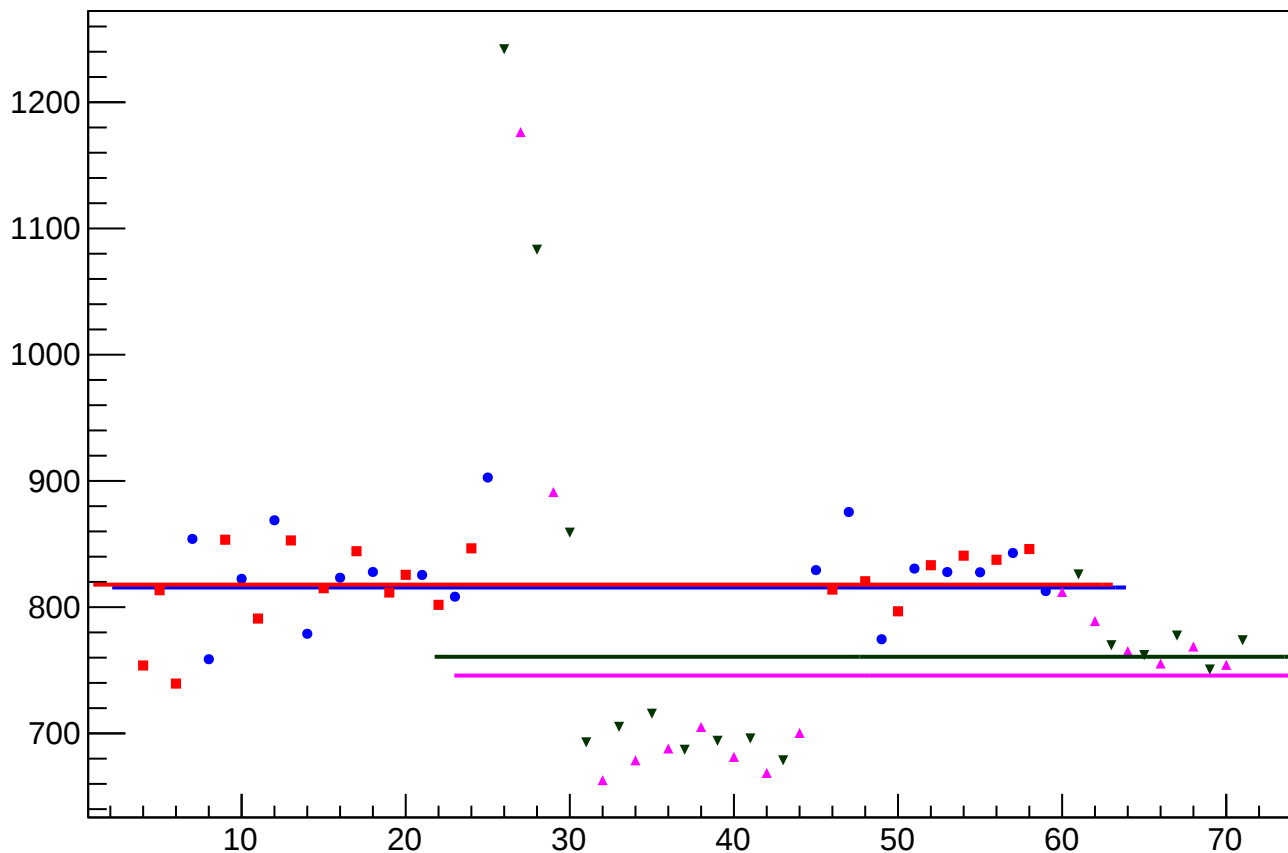
Right Out: -6.954+/-0.259 χ^2/NDF : 420.8/18

Left In: -1.389+/-0.255 χ^2/NDF : 5281.9/14

0.322+/-0.180 χ^2/NDF : 6385.9/33

-4.131+/-0.182 χ^2/NDF : 5936.7/33

diff_bpm1i04Y_rms vs slug



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

Left Out: 760.689 $\pm$ 0.189 χ^2 /NDF: 354906.8/15

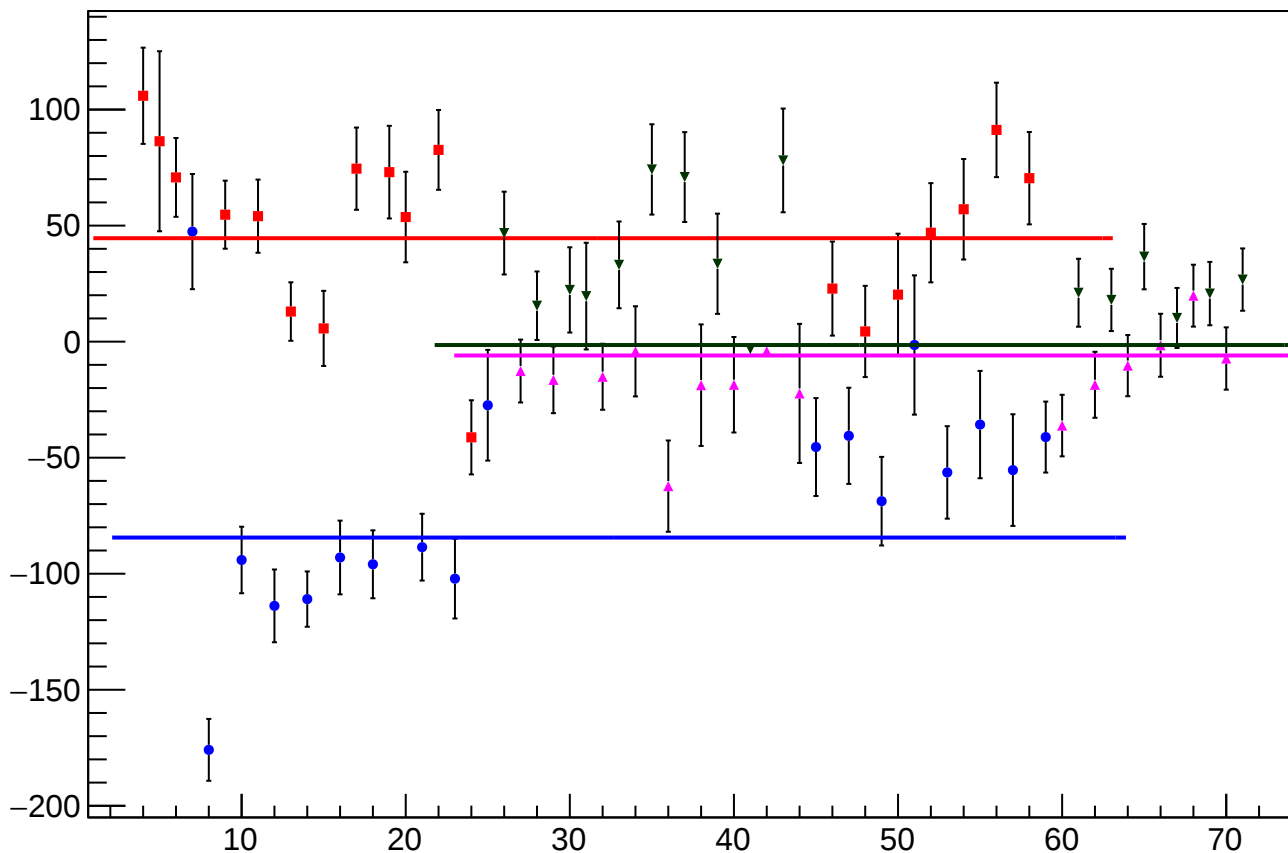
Right Out: 817.840 $\pm$ 0.183 χ^2 /NDF: 32410.2/18

Left In: 745.803 $\pm$ 0.181 χ^2 /NDF: 349885.4/14

790.617 $\pm$ 0.127 χ^2 /NDF: 438755.2/33

781.298 $\pm$ 0.129 χ^2 /NDF: 460746.6/33

diff_bpm0l02X_mean vs slug



Right In: -84.415 $\pm$ 4.060 χ^2 /NDF: 124.1/17

Left Out: -1.457 $\pm$ 0.957 χ^2 /NDF: 81.8/15

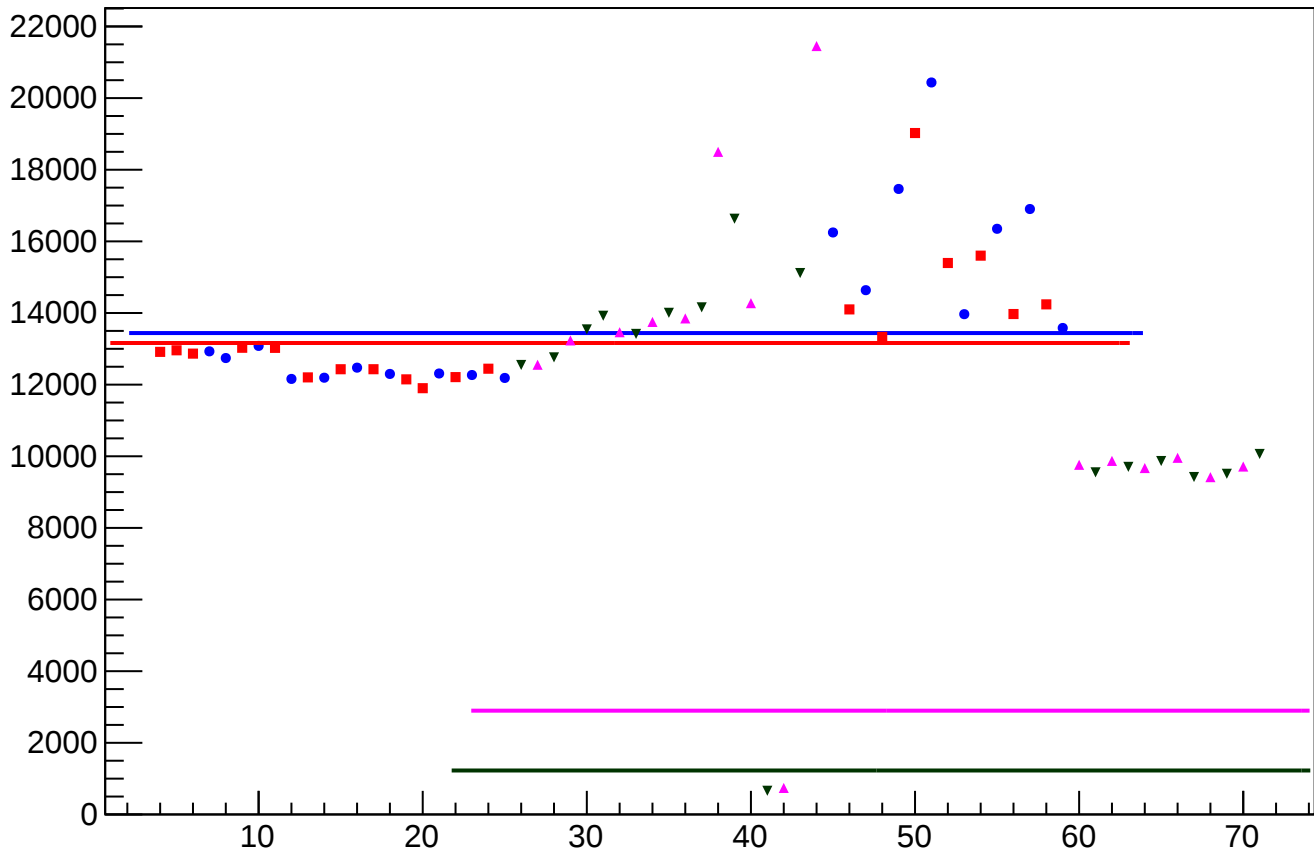
Right Out: 44.573 $\pm$ 4.203 χ^2 /NDF: 77.6/18

Left In: -5.973 $\pm$ 1.845 χ^2 /NDF: 21.0/14

-5.827 $\pm$ 0.932 χ^2 /NDF: 601.5/33

2.194 $\pm$ 1.689 χ^2 /NDF: 219.9/33

diff_bpm0l02X_rms vs slug



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

Left Out: 1227.456+/-0.677 χ^2/NDF :13200605.4/15

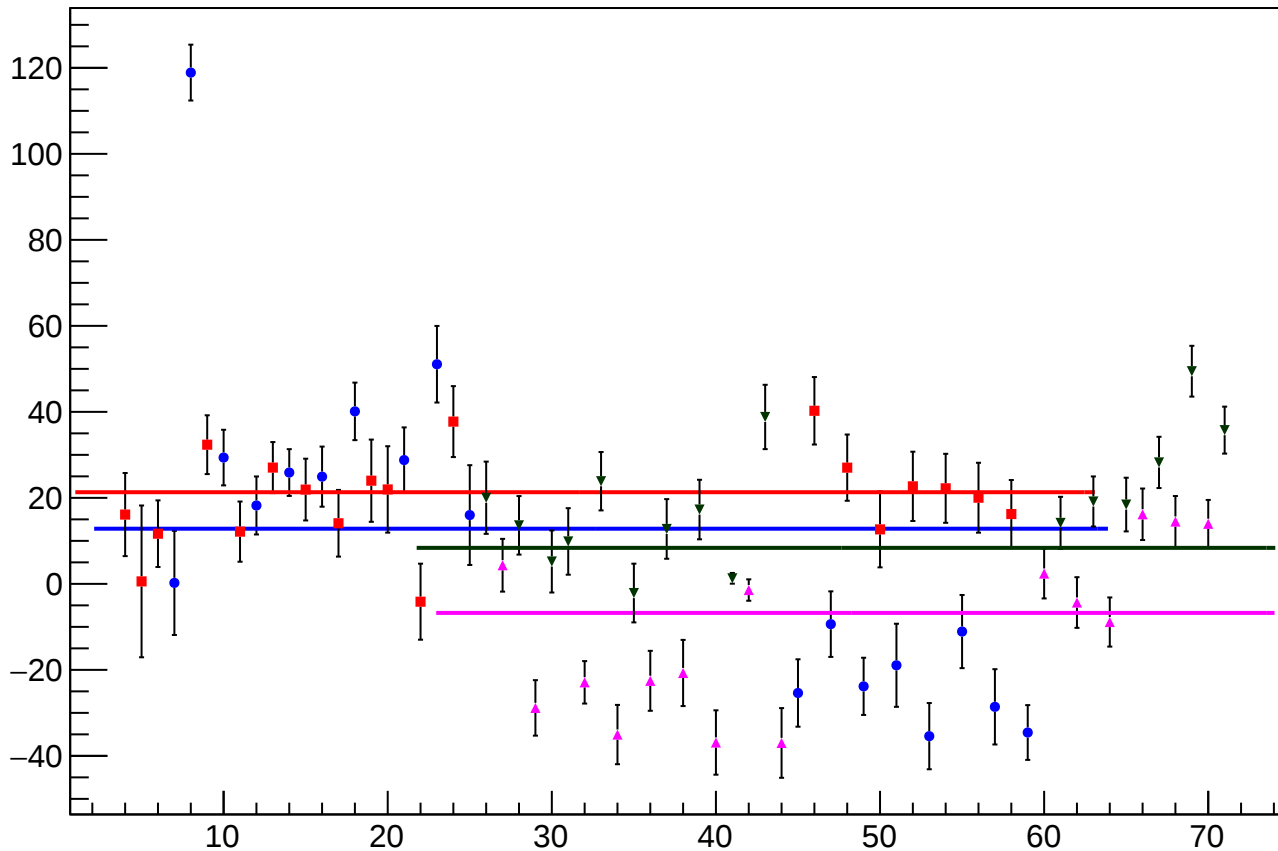
Right Out: 13162.769+/-2.972 χ^2/NDF : 204436.9/18

Left In: 2897.610+/-1.304 χ^2/NDF :11761777.8/14

1870.794+/-0.659 χ^2/NDF : 30748762.3/33

4556.075+/-1.194 χ^2/NDF : 21970687.5/33

diff_bpm0l02Y_mean vs slug



Right In: 12.827 ± 1.752 $\chi^2/\text{NDF}: 521.8/17$

Left Out: 8.375 ± 1.004 $\chi^2/\text{NDF}: 152.8/15$

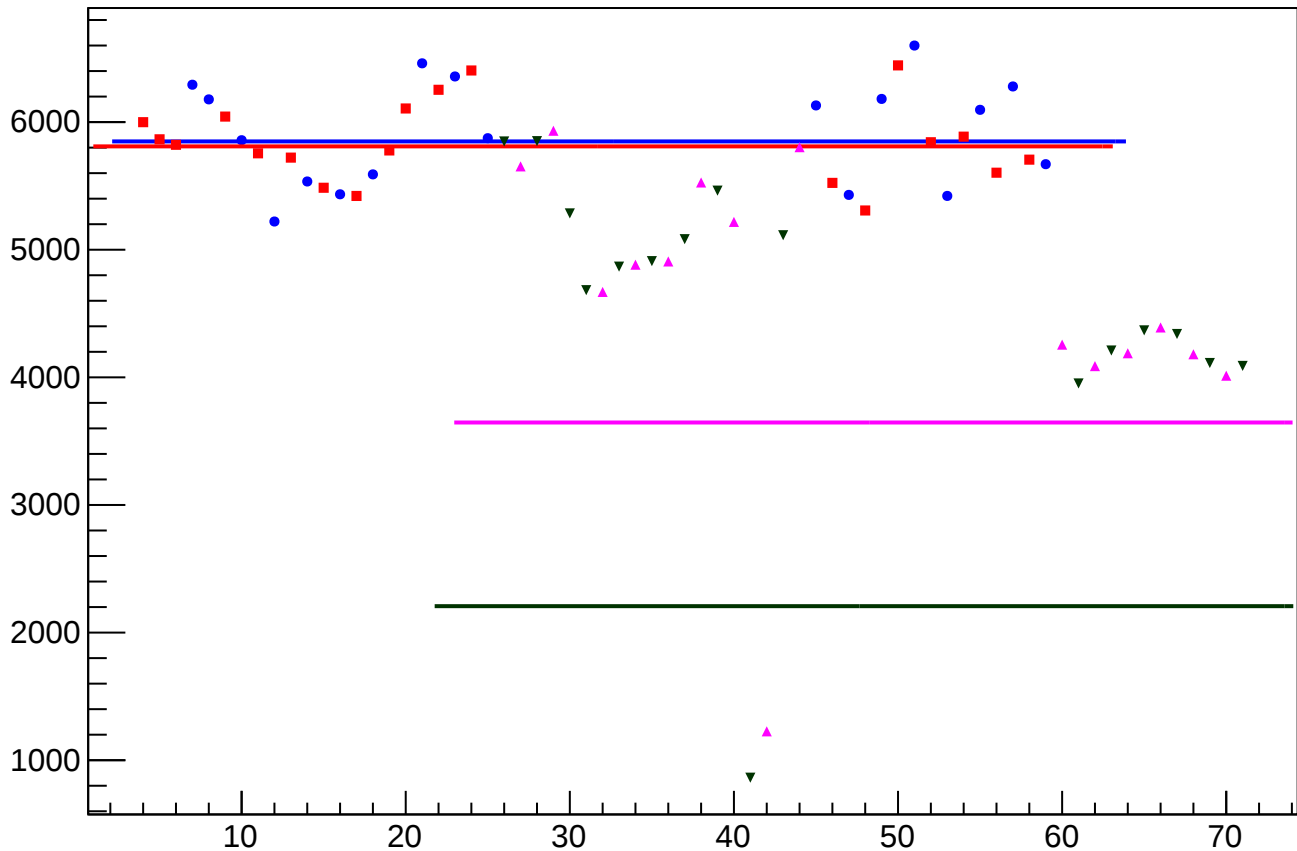
Right Out: 21.314 ± 1.847 $\chi^2/\text{NDF}: 29.5/18$

Left In: -6.754 ± 1.383 $\chi^2/\text{NDF}: 129.9/14$

9.476 ± 0.871 $\chi^2/\text{NDF}: 679.5/33$

3.333 ± 1.107 $\chi^2/\text{NDF}: 307.3/33$

diff_bpm0l02Y_rms vs slug



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

Left Out: 2207.064+/-0.710 χ^2/NDF : 6897118.2/15

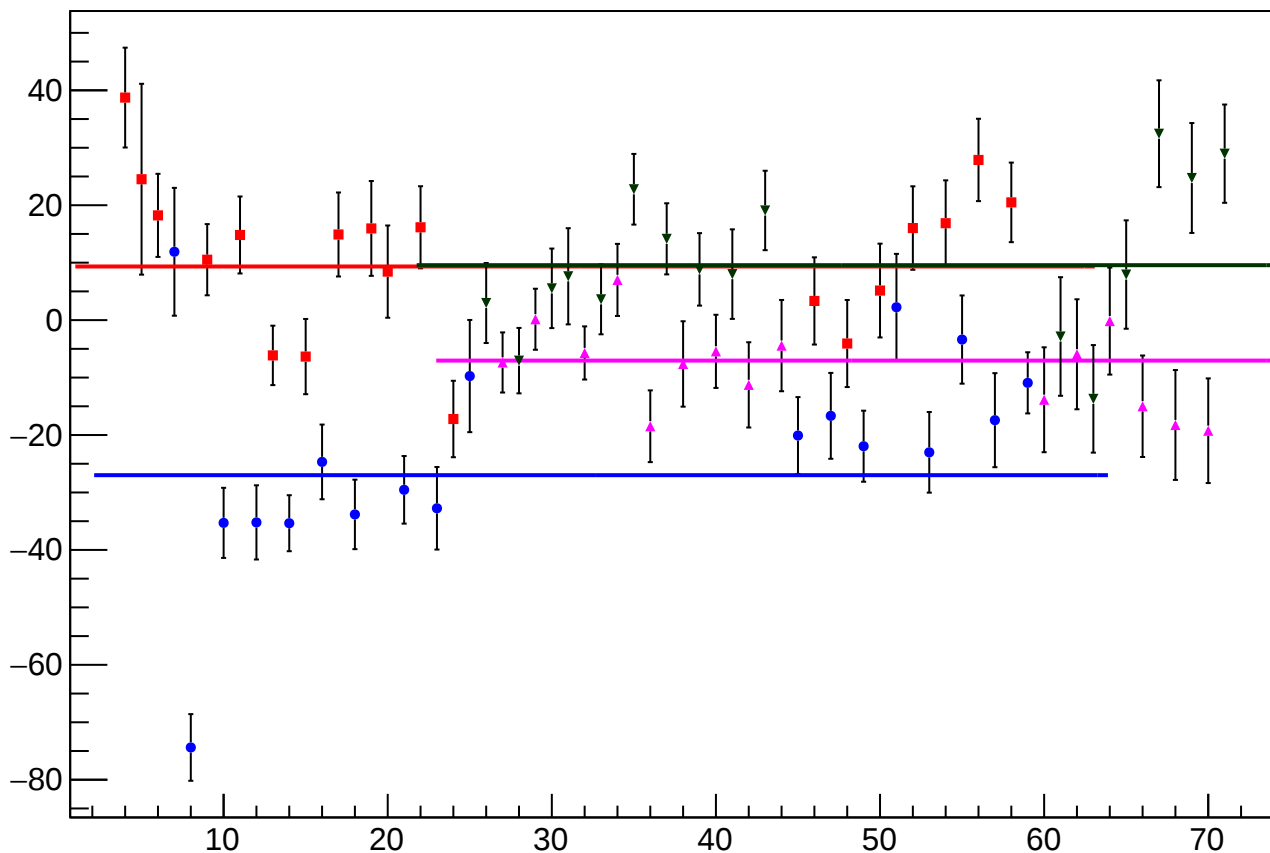
Right Out: 5809.767+/-1.306 χ^2/NDF : 53321.4/18

Left In: 3646.209+/-0.978 χ^2/NDF : 3026498.8/14

3107.591+/-0.616 χ^2/NDF : 13499461.0/33

4423.746+/-0.783 χ^2/NDF : 4837899.2/33

diff_bpm0l03X_mean vs slug



Right In: -26.989 $\pm$ 1.569 χ^2 /NDF: 124.5/17

Left Out: 9.562 $\pm$ 1.835 χ^2 /NDF: 39.3/15

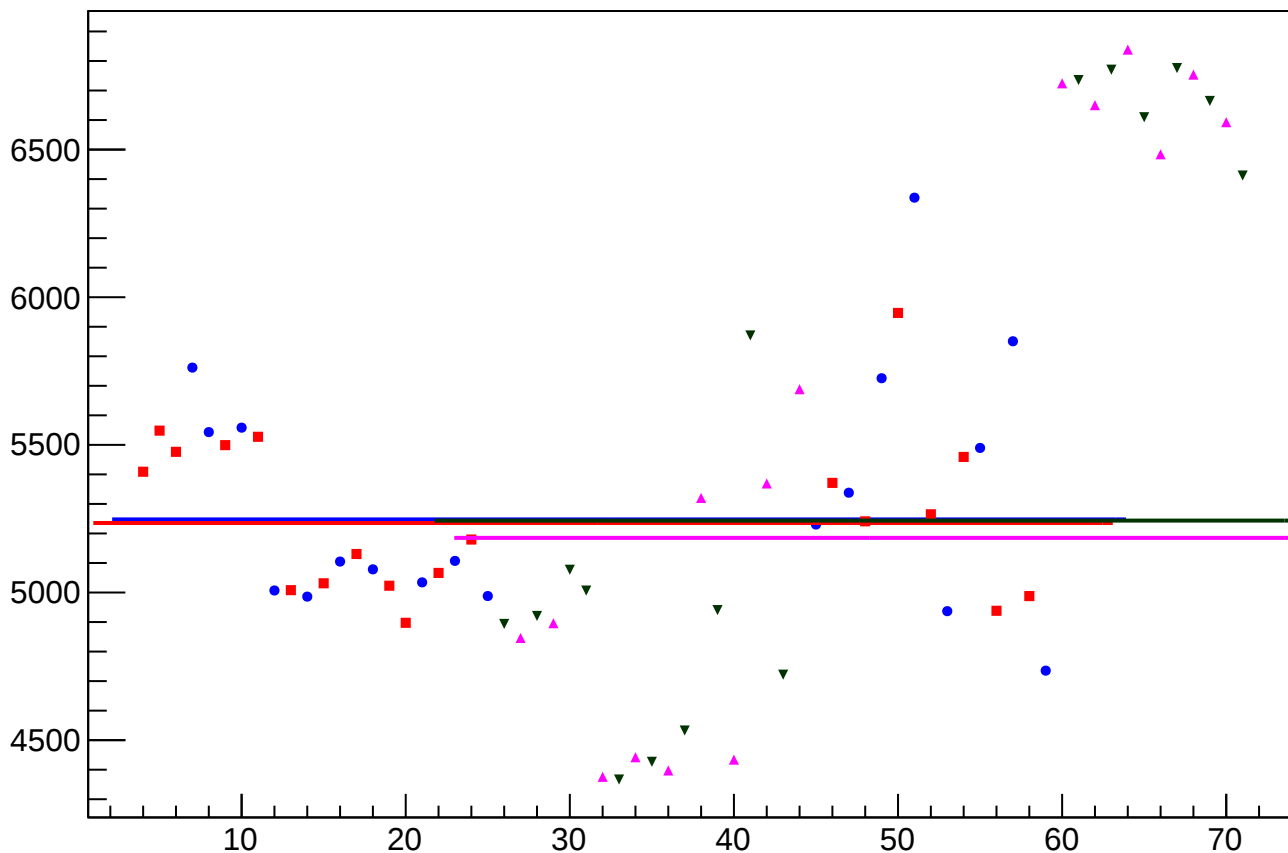
Right Out: 9.337 $\pm$ 1.659 χ^2 /NDF: 62.4/18

Left In: -7.043 $\pm$ 1.777 χ^2 /NDF: 15.9/14

-11.552 $\pm$ 1.193 χ^2 /NDF: 392.8/33

1.705 $\pm$ 1.213 χ^2 /NDF: 123.7/33

diff_bpm0l03X_rms vs slug



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

Left Out: 5243.583+/-1.298 χ^2/NDF : 419064.6/15

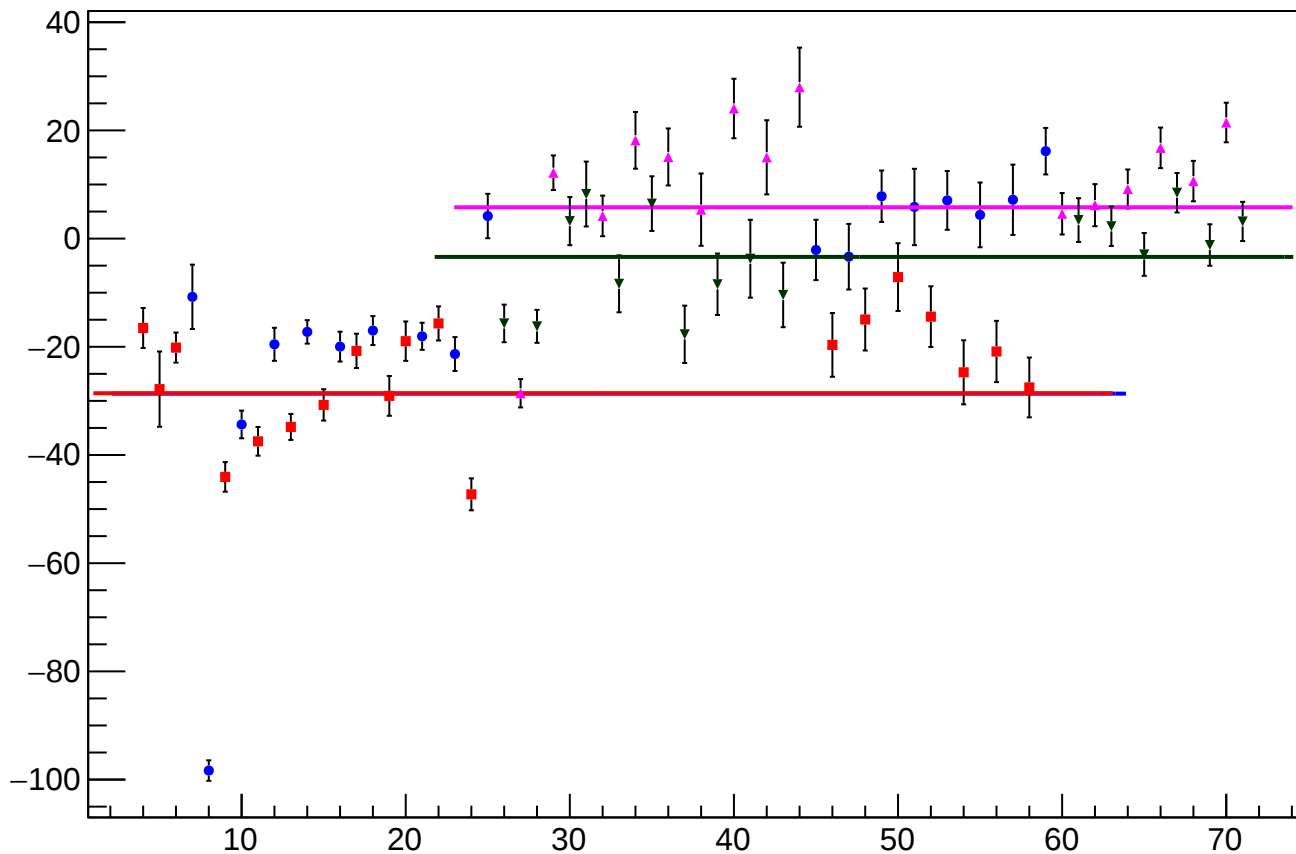
Right Out: 5235.469+/-1.173 χ^2/NDF : 47165.0/18

Left In: 5185.066+/-1.256 χ^2/NDF : 484698.1/14

5245.887+/-0.843 χ^2/NDF : 524699.4/33

5211.984+/-0.858 χ^2/NDF : 532722.8/33

diff_bpm0l03Y_mean vs slug



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

Left Out: -3.385 $\pm$ 1.068 χ^2 /NDF: 69.8/15

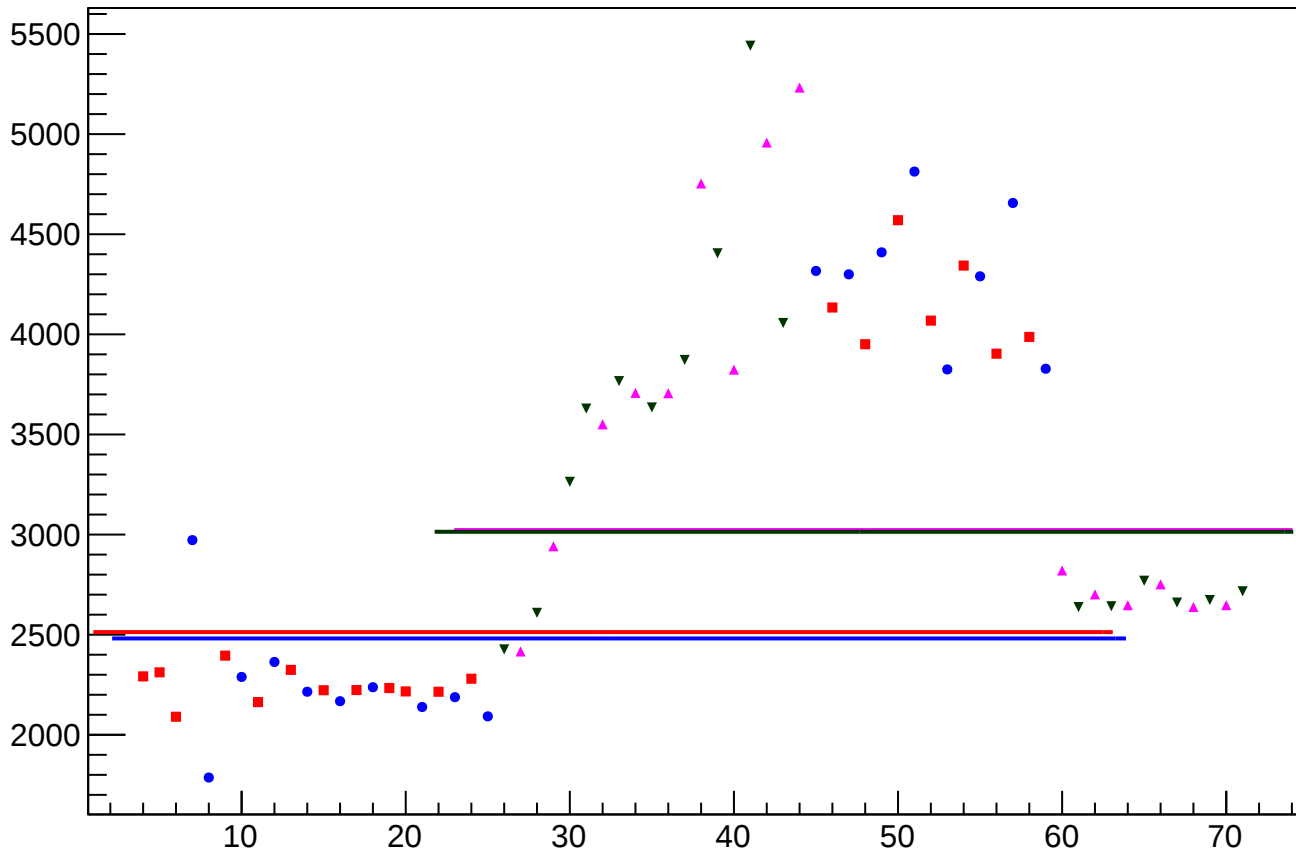
Right Out: -28.584 $\pm$ 0.826 χ^2 /NDF: 168.7/18

Left In: 5.790 $\pm$ 1.048 χ^2 /NDF: 236.7/14

-19.832 $\pm$ 0.631 χ^2 /NDF: 2292.1/33

-15.400 $\pm$ 0.649 χ^2 /NDF: 1068.9/33

diff_bpm0l03Y_rms vs slug



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

Left Out: 3013.995 $\pm$ 0.755 χ^2 /NDF: 745842.6/15

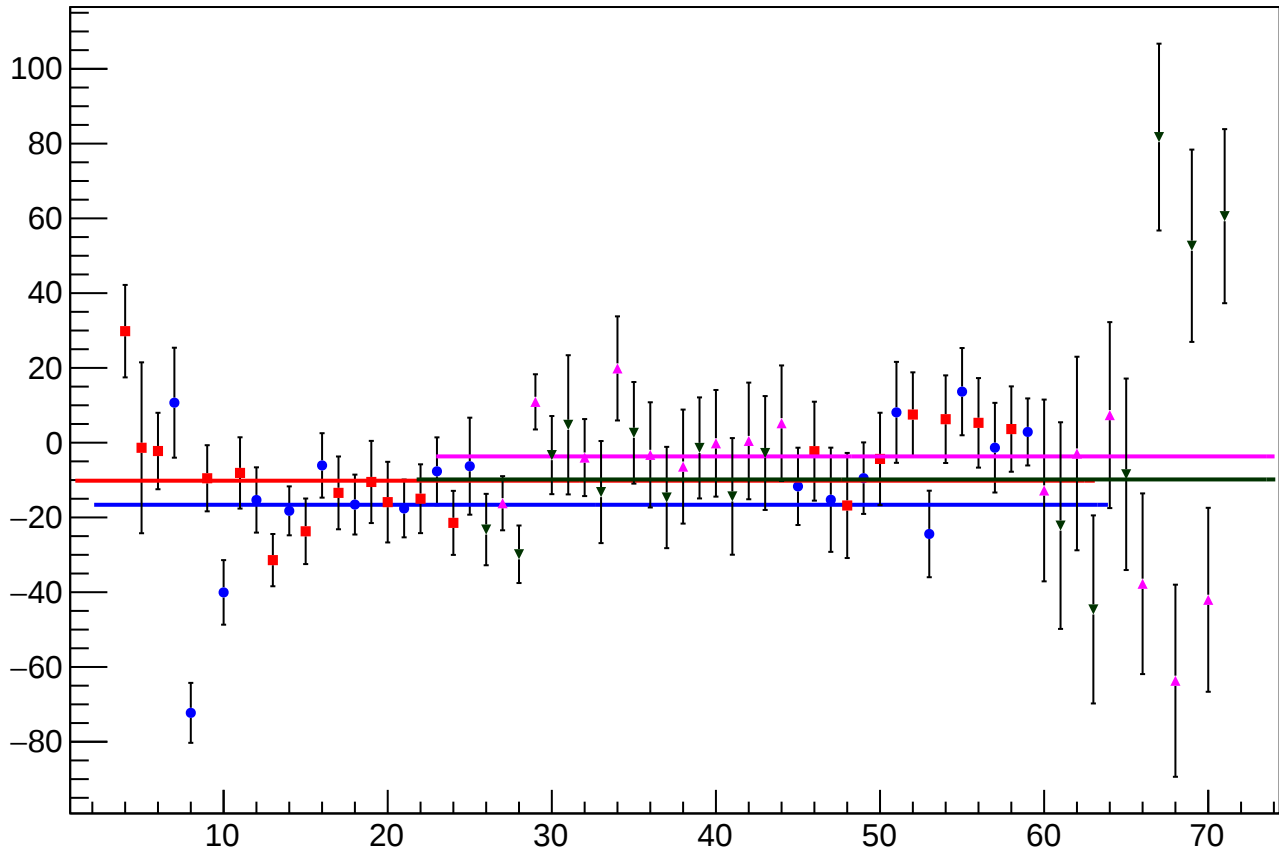
2667.256 $\pm$ 0.446 χ^2 /NDF: 3182392.4/33

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

2708.415 $\pm$ 0.459 χ^2 /NDF: 2418529.9/33

Left In: 3022.590 $\pm$ 0.741 χ^2 /NDF: 828186.1/14

diff_bpm0l04X_mean vs slug



Right In: -16.612 $\pm$ 2.242 χ^2/NDF : 79.9/17

Left Out: -9.836 $\pm$ 3.549 χ^2/NDF : 42.1/15

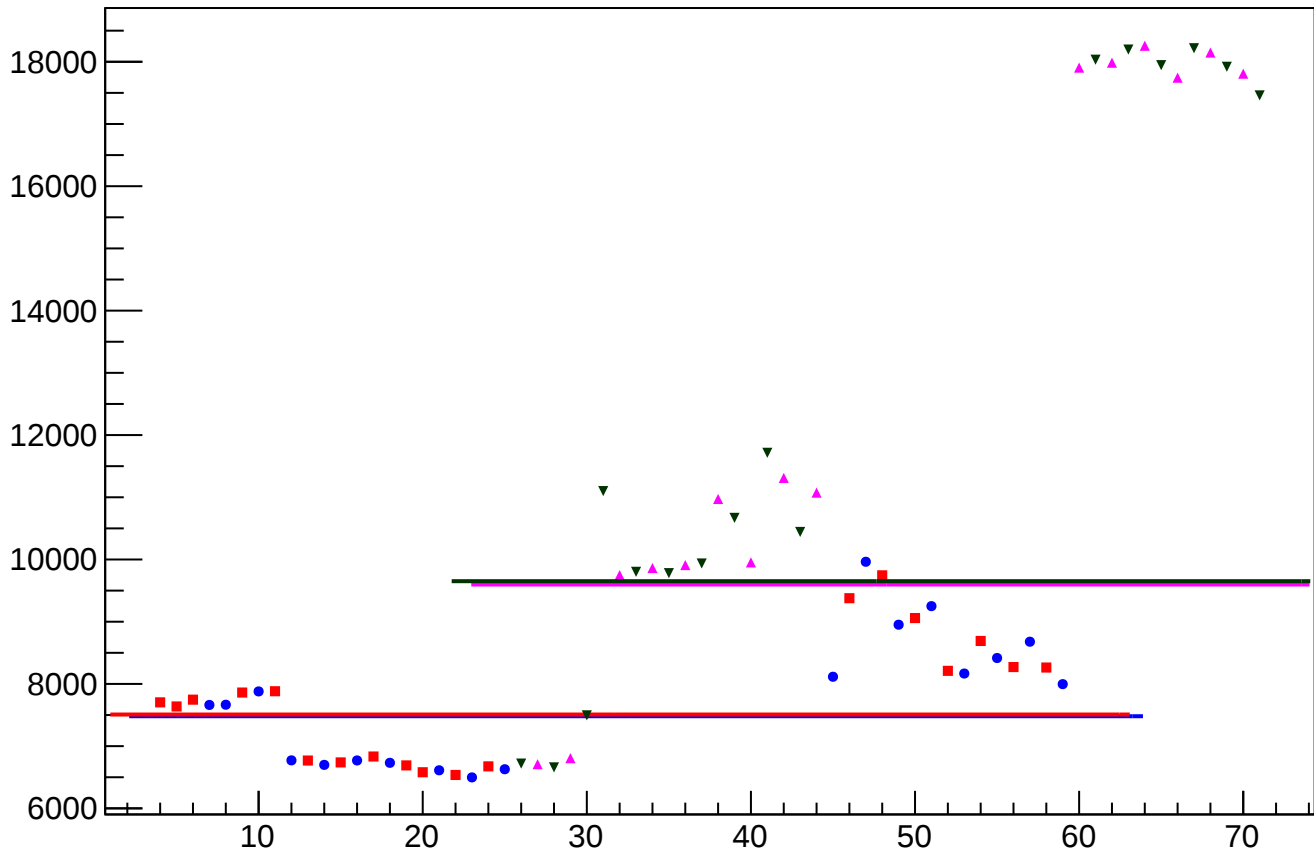
Right Out: -10.172 $\pm$ 2.389 χ^2/NDF : 33.7/18

Left In: -3.673 $\pm$ 3.445 χ^2/NDF : 20.5/14

-14.679 $\pm$ 1.895 χ^2/NDF : 124.5/33

-8.062 $\pm$ 1.963 χ^2/NDF : 56.5/33

diff_bpm0l04X_rms vs slug



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

Left Out: 9651.329+/-2.510 χ^2/NDF :1932436.9/15

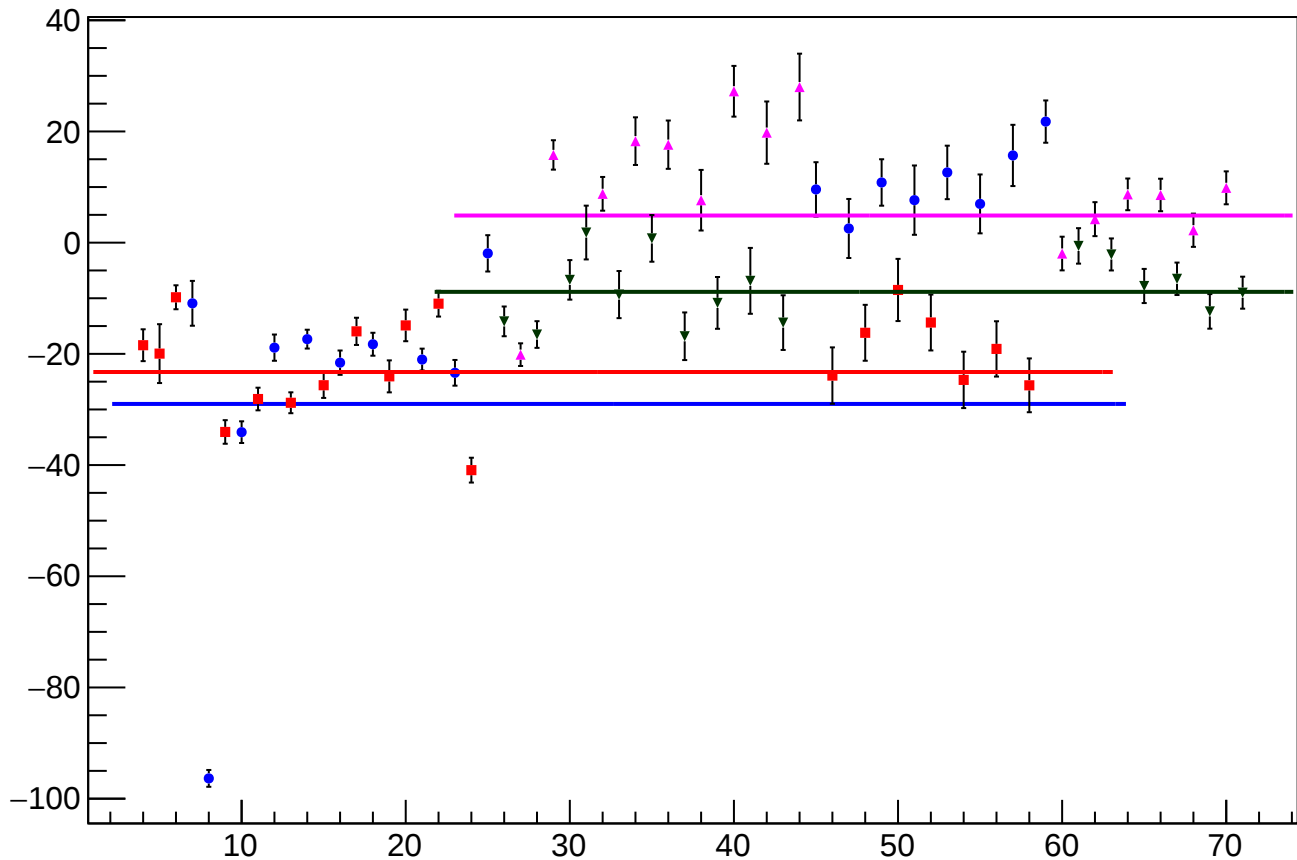
Right Out: 7508.240+/-1.689 χ^2/NDF : 289453.4/18

Left In: 9597.850+/-2.436 χ^2/NDF :2023351.3/14

8099.750+/-1.340 χ^2/NDF : 2802054.6/33

8186.695+/-1.388 χ^2/NDF : 2809594.1/33

diff_bpm0l04Y_mean vs slug



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

Left Out: -8.848+/-0.850 χ^2/NDF : 43.9/15

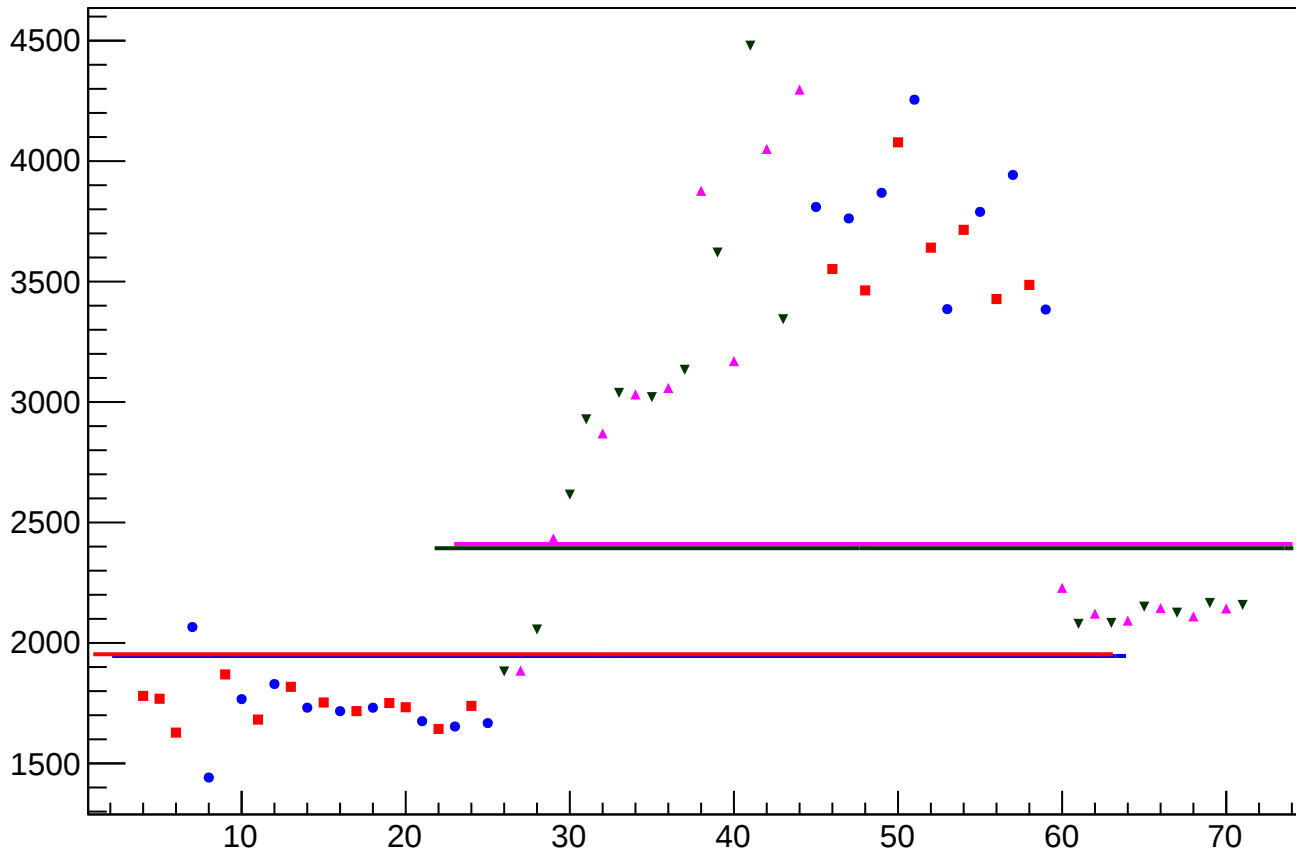
Right Out: -23.263+/-0.648 χ^2/NDF : 204.8/18

Left In: 4.881+/-0.838 χ^2/NDF : 246.1/14

-22.028+/-0.500 χ^2/NDF : 3203.9/33

-12.734+/-0.513 χ^2/NDF : 1156.7/33

diff_bpm0l04Y_rms vs slug



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

Left Out: 2393.225+/-0.601 χ^2/NDF : 853093.3/15

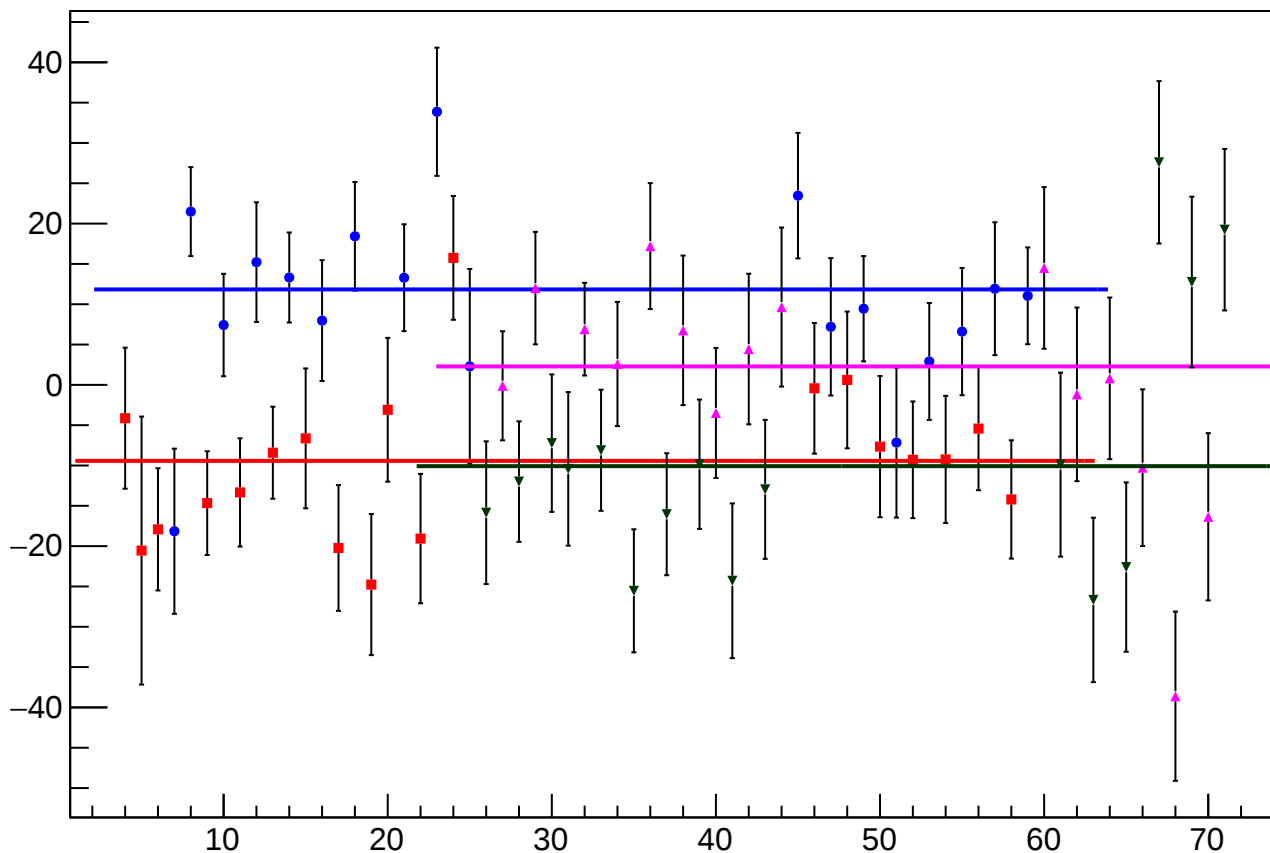
2100.739+/-0.354 χ^2/NDF : 3815026.3/33

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

2124.353+/-0.362 χ^2/NDF : 3036854.7/33

Left In: 2410.762+/-0.593 χ^2/NDF : 937805.6/14

diff_bpm0l05X_mean vs slug



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

Left Out: -10.081 $\pm$ 2.220 χ^2 /NDF: 39.0/15

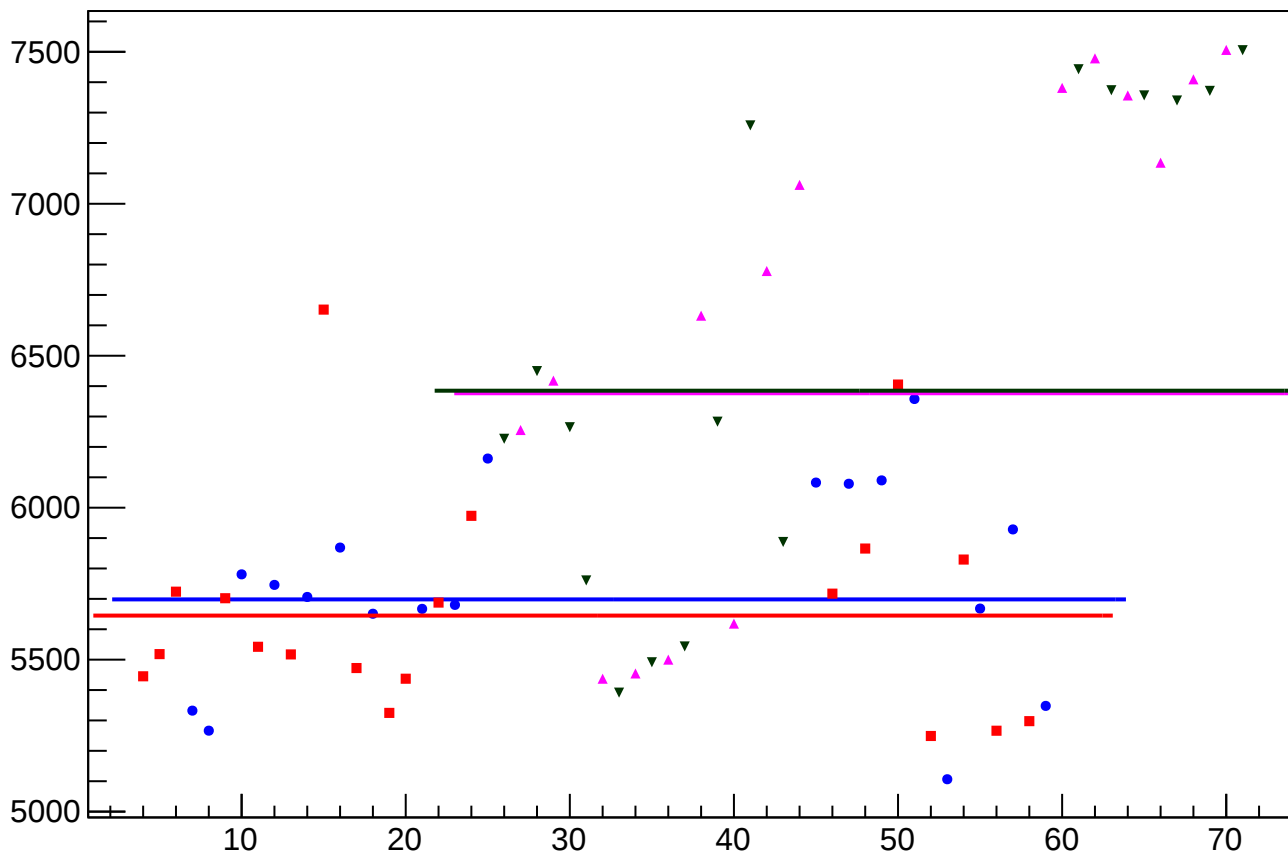
Right Out: -9.425 $\pm$ 1.790 χ^2 /NDF: 24.3/18

Left In: 2.286 $\pm$ 2.171 χ^2 /NDF: 29.4/14

3.730 $\pm$ 1.350 χ^2 /NDF: 131.2/33

-4.685 $\pm$ 1.381 χ^2 /NDF: 71.0/33

diff_bpm0l05X_rms vs slug



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

Left Out: 6384.932+/-1.570 χ^2/NDF : 234038.9/15

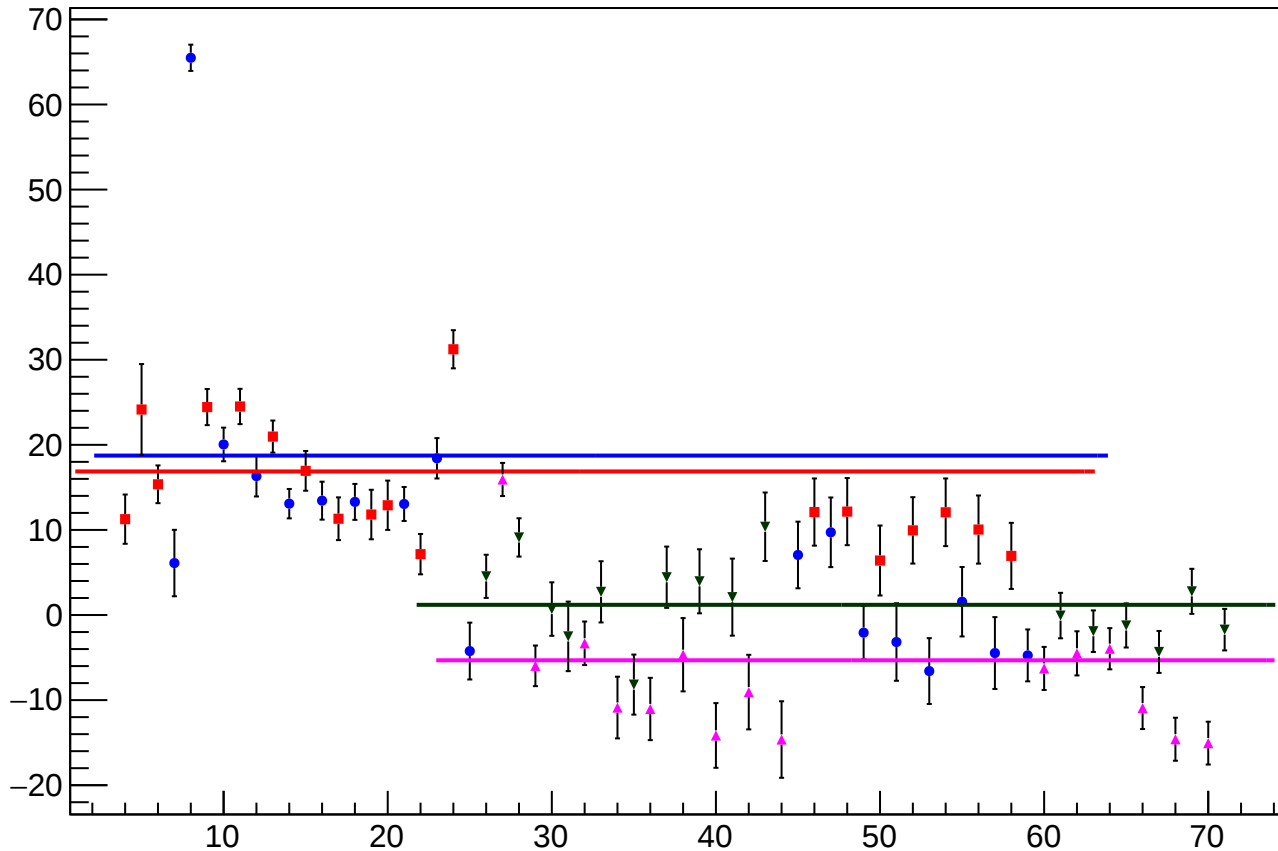
Right Out: 5644.999+/-1.266 χ^2/NDF : 71475.4/18

Left In: 6376.550+/-1.535 χ^2/NDF : 256043.5/14

5952.235+/-0.955 χ^2/NDF : 421791.3/33

5941.113+/-0.976 χ^2/NDF : 462739.1/33

diff_bpm0l05Y_mean vs slug



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

Left Out: 1.197+/-0.733 χ^2/NDF : 38.3/15

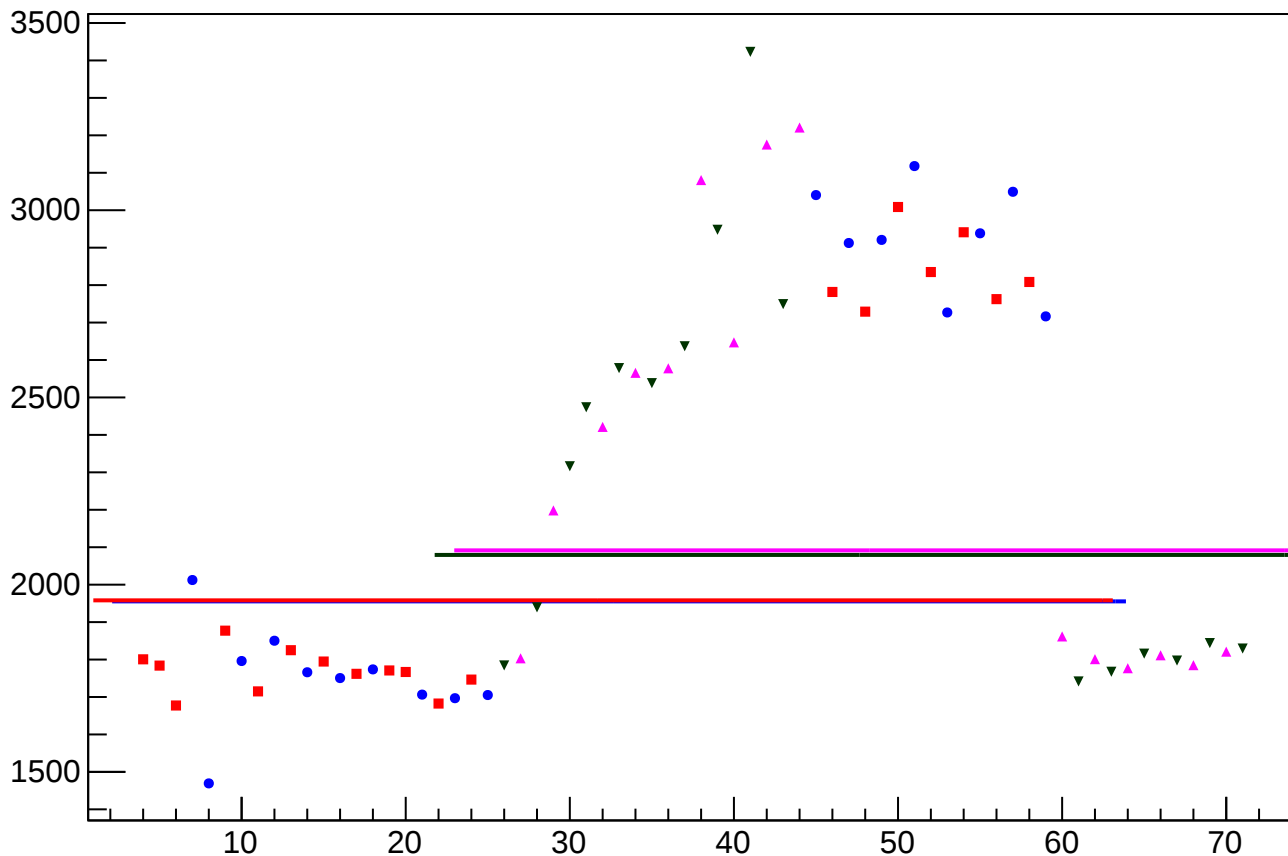
Right Out: 16.874+/-0.633 χ^2/NDF : 128.0/18

Left In: -5.320+/-0.721 χ^2/NDF : 169.1/14

11.678+/-0.465 χ^2/NDF : 1621.7/33

7.216+/-0.476 χ^2/NDF : 831.7/33

diff_bpm0l05Y_rms vs slug



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

Left Out: 2079.410+/-0.518 χ^2/NDF : 671222.5/15

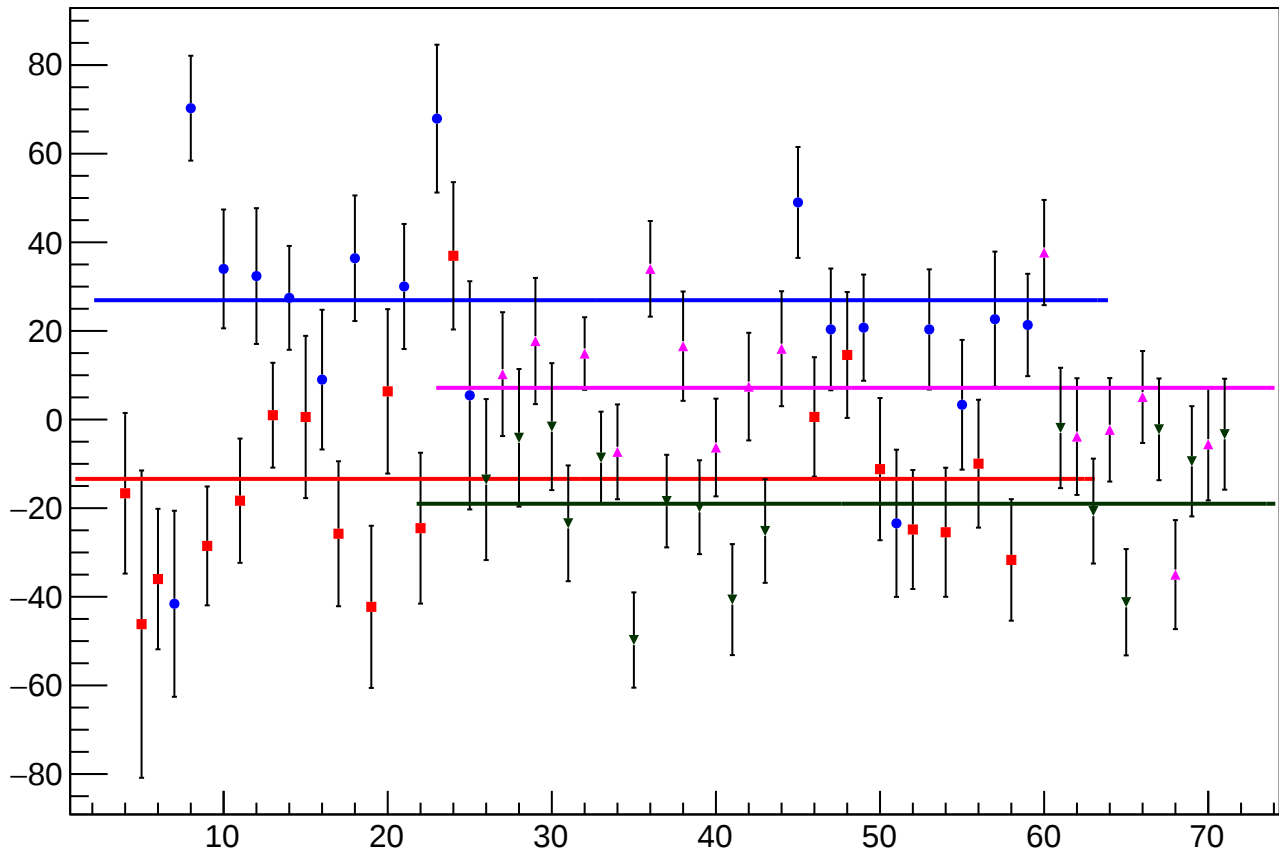
Right Out: 1958.115+/-0.448 χ^2/NDF : 858074.3/18

Left In: 2091.615+/-0.510 χ^2/NDF : 700907.6/14

2005.296+/-0.329 χ^2/NDF : 2081119.6/33

2016.210+/-0.337 χ^2/NDF : 1597666.7/33

diff_bpm0l06X_mean vs slug



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

Left Out: -19.004 ± 3.049 χ^2/NDF : 24.4/15

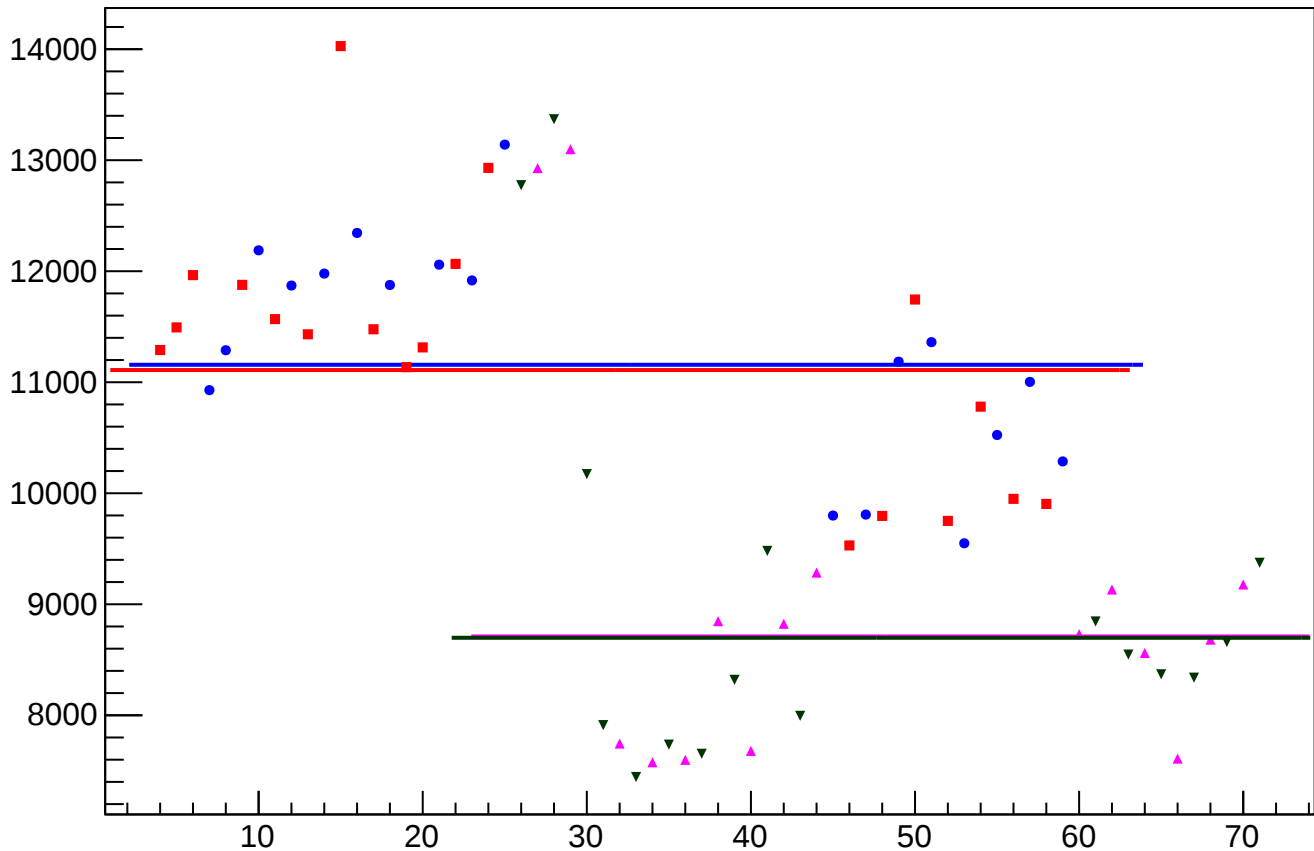
Right Out: -13.392 ± 3.535 χ^2/NDF : 28.4/18

Left In: 7.158 ± 2.987 χ^2/NDF : 32.8/14

1.899 ± 2.251 χ^2/NDF : 176.6/33

-1.402 ± 2.281 χ^2/NDF : 80.9/33

diff_bpm0l06X_rms vs slug



Right In: 11157.335+/-2.359 χ^2/NDF : 153724.7/17

Left Out: 8698.257+/-2.156 χ^2/NDF : 403041.3/15

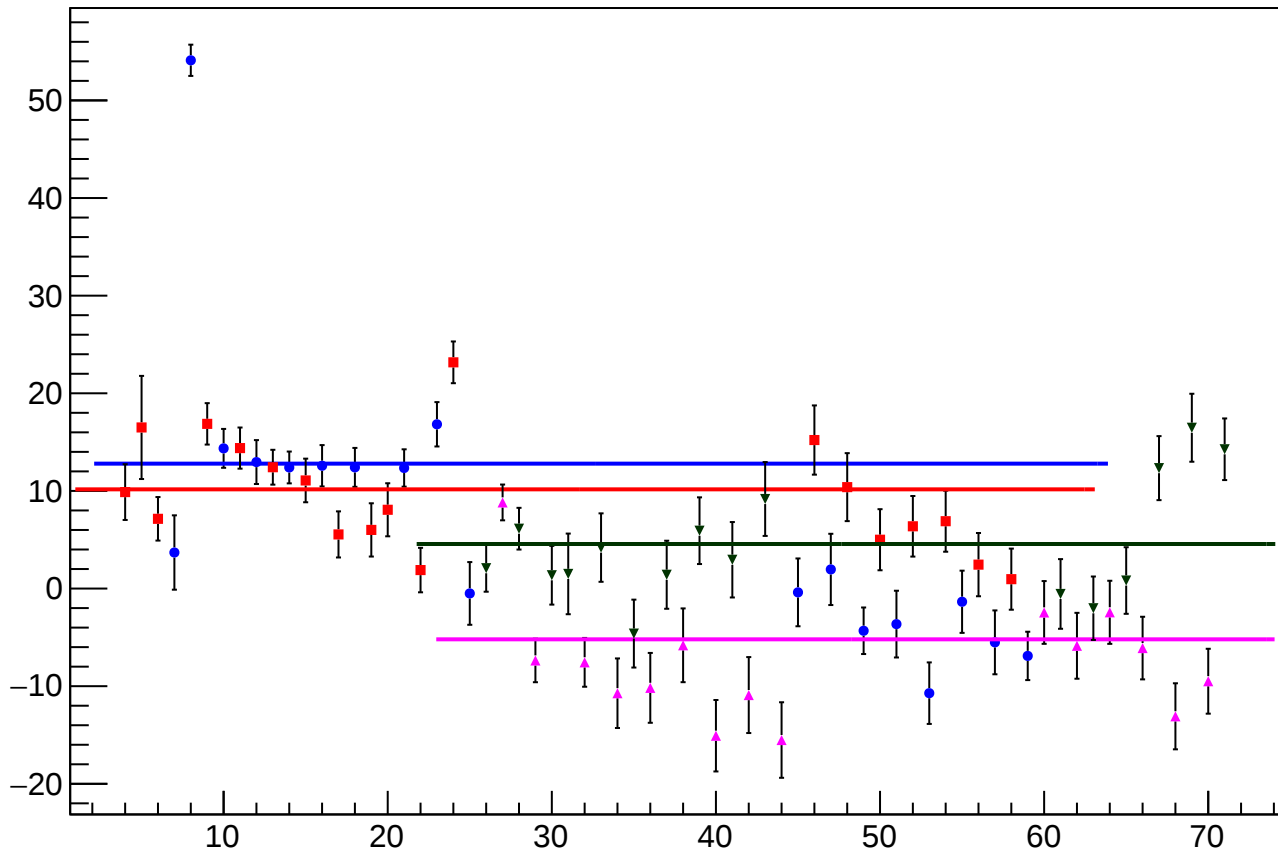
9817.258+/-1.592 χ^2/NDF : 1148703.3/33

Right Out: 11109.639+/-2.499 χ^2/NDF : 196396.7/18

9709.617+/-1.613 χ^2/NDF : 1227164.8/33

Left In: 8710.082+/-2.112 χ^2/NDF : 492983.1/14

diff_bpm0l06Y_mean vs slug



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

Left Out: 4.563 $\pm$ 0.799 χ^2/NDF : 47.0/15

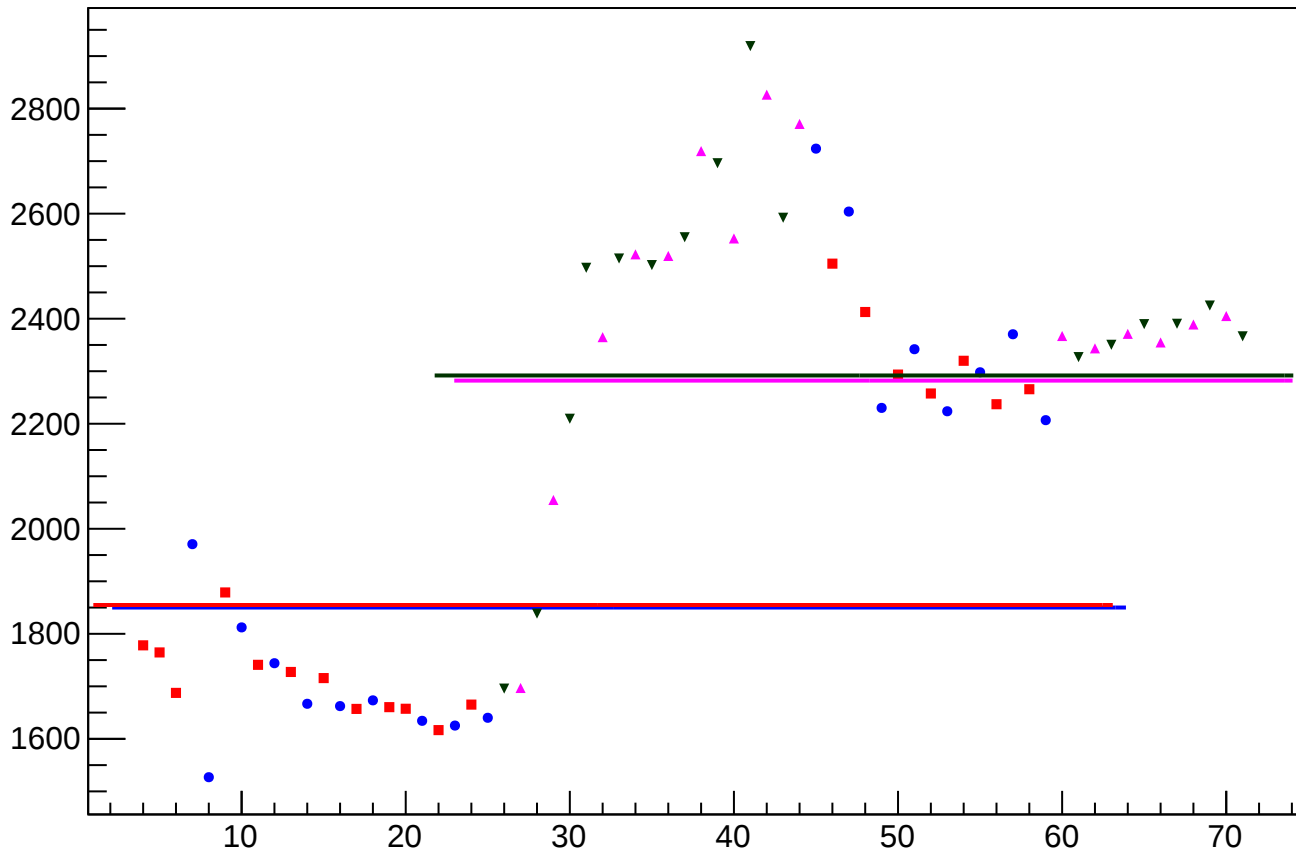
Right Out: 10.162 $\pm$ 0.592 χ^2/NDF : 97.7/18

Left In: -5.201 $\pm$ 0.779 χ^2/NDF : 89.9/14

10.091 $\pm$ 0.458 χ^2/NDF : 1079.2/33

4.531 $\pm$ 0.471 χ^2/NDF : 434.1/33

diff_bpm0l06Y_rms vs slug



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

Left Out: 2291.894+/-0.565 χ^2/NDF : 347401.9/15

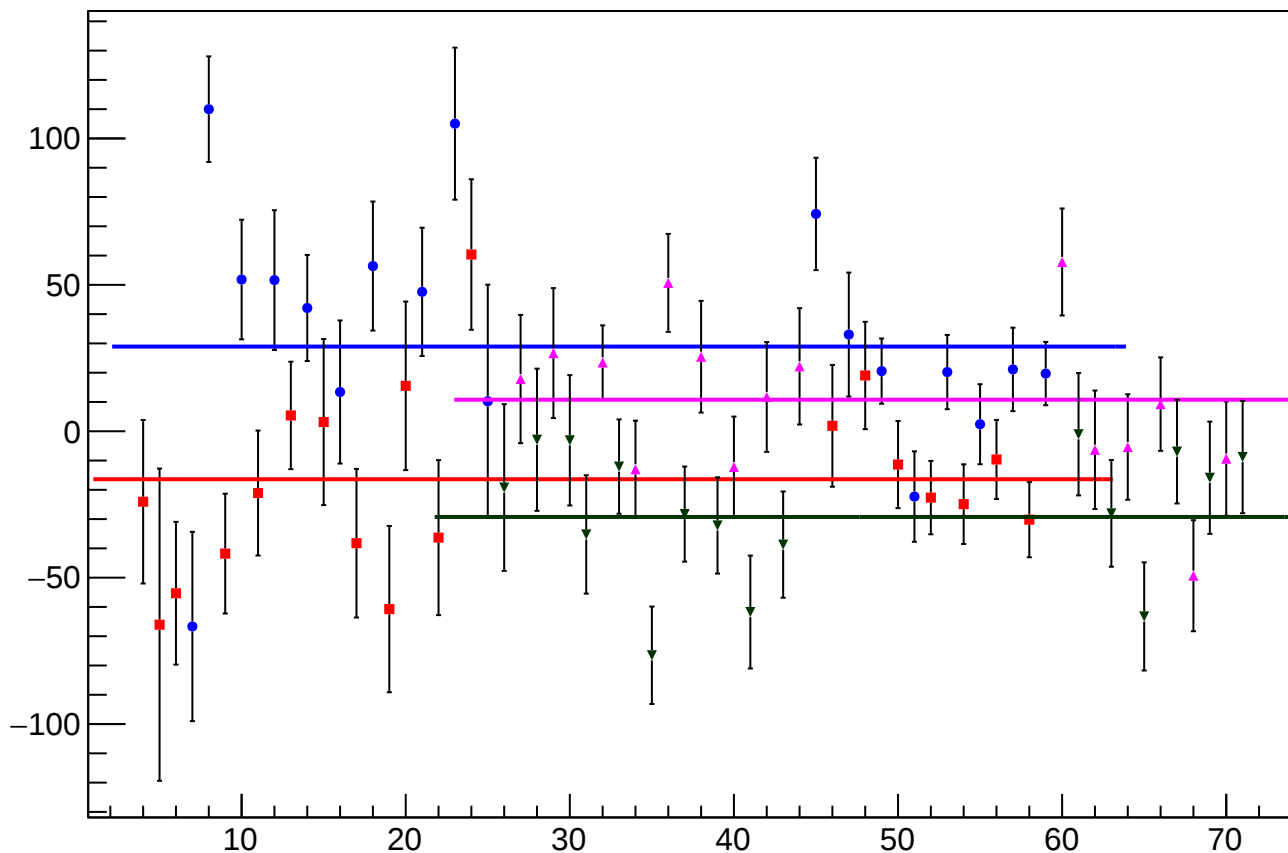
Right Out: 1854.854+/-0.419 χ^2/NDF : 407929.4/18

Left In: 2282.132+/-0.551 χ^2/NDF : 362883.5/14

1995.143+/-0.324 χ^2/NDF : 1420748.5/33

2011.451+/-0.333 χ^2/NDF : 1152238.8/33

diff_bpm0l07X_mean vs slug



Right In: 28.924 $\pm$ 4.035 χ^2 /NDF: 65.6/17

Left Out: -29.270 $\pm$ 4.717 χ^2 /NDF: 23.6/15

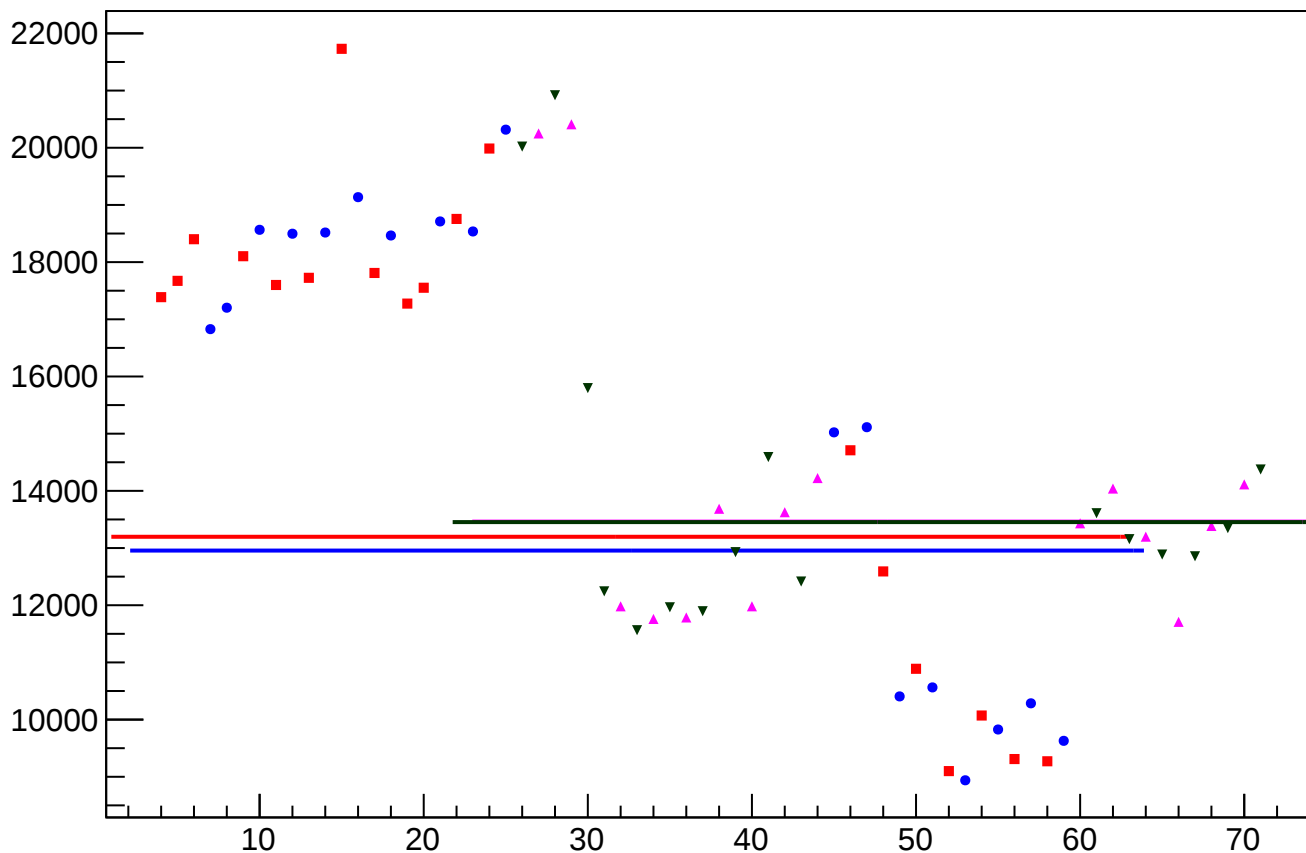
Right Out: -16.388 $\pm$ 4.377 χ^2 /NDF: 27.5/18

Left In: 10.778 $\pm$ 4.617 χ^2 /NDF: 31.3/14

4.334 $\pm$ 3.066 χ^2 /NDF: 177.0/33

-3.530 $\pm$ 3.177 χ^2 /NDF: 77.1/33

diff_bpm0l07X_rms vs slug



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

Left Out: 13453.782 $\pm$ 3.336 χ^2 /NDF: 411780.0/15

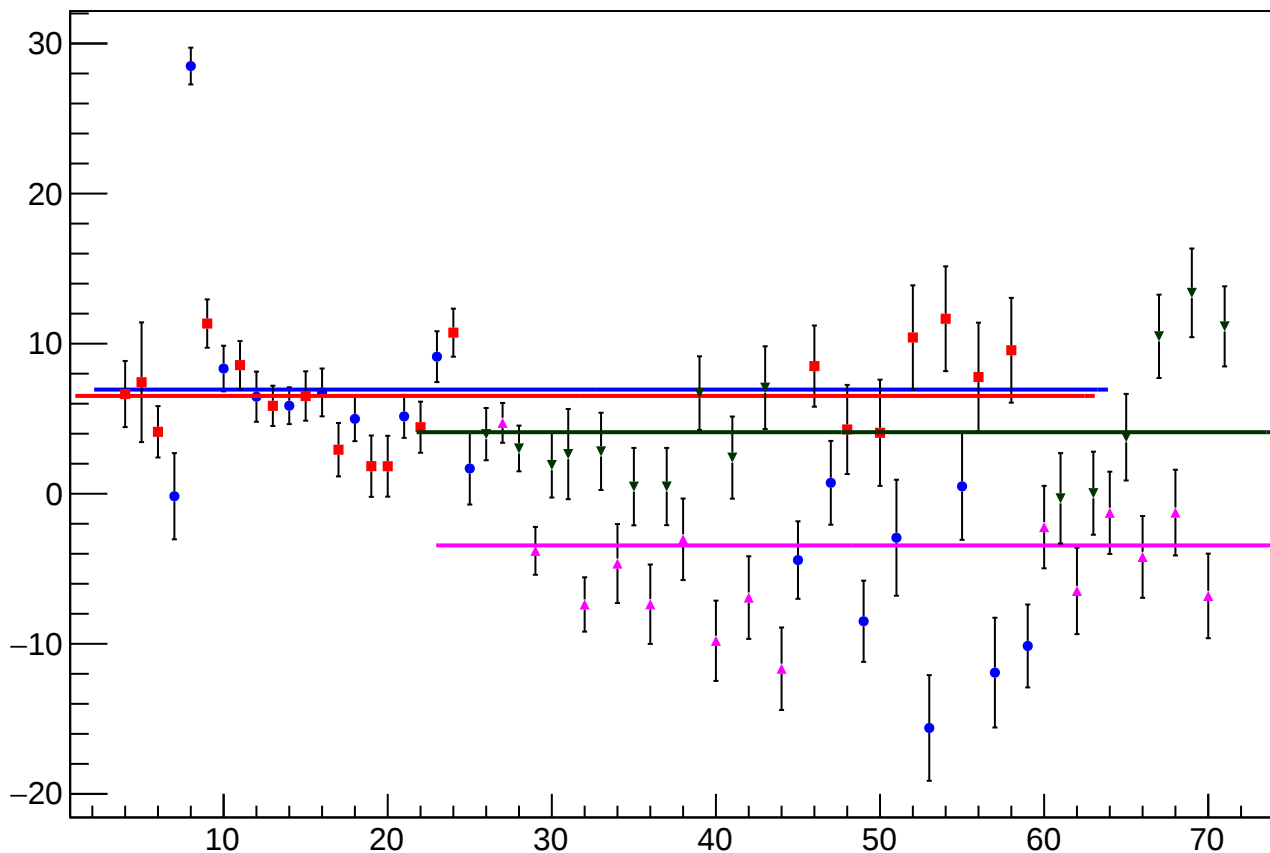
Right Out: 13197.185 $\pm$ 3.095 χ^2 /NDF: 1767752.6/18

Left In: 13462.607 $\pm$ 3.265 χ^2 /NDF: 503287.9/14

13166.287 $\pm$ 2.168 χ^2 /NDF: 2325280.0/33

13322.808 $\pm$ 2.246 χ^2 /NDF: 2274521.4/33

diff_bpm0l07Y_mean vs slug



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

Left Out: 4.100 ± 0.607 χ^2/NDF : 35.1/15

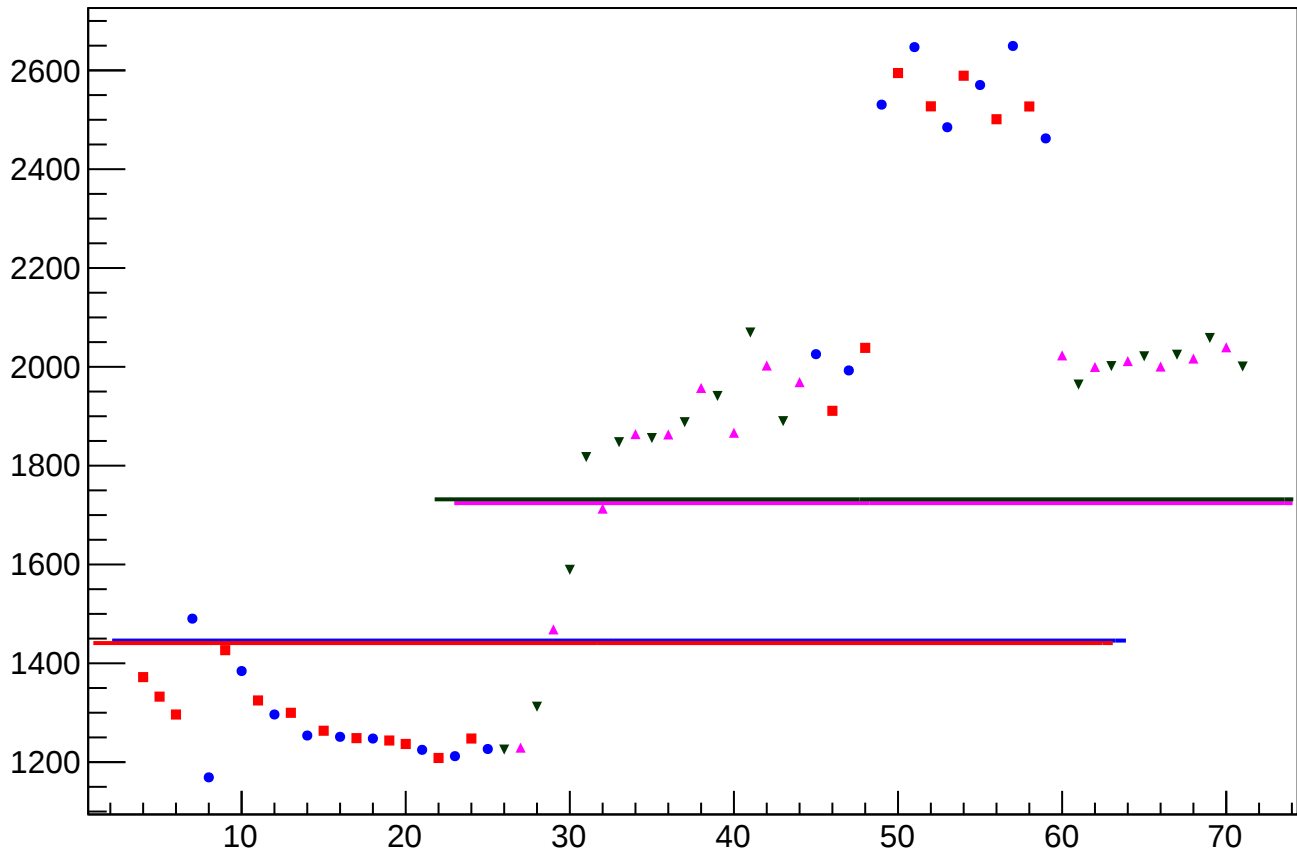
Right Out: 6.517 ± 0.472 χ^2/NDF : 41.8/18

Left In: -3.443 ± 0.591 χ^2/NDF : 65.2/14

5.933 ± 0.361 χ^2/NDF : 548.8/33

2.643 ± 0.369 χ^2/NDF : 280.6/33

diff_bpm0l07Y_rms vs slug



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

Left Out: 1731.842+/-0.429 χ^2/NDF : 516883.3/15

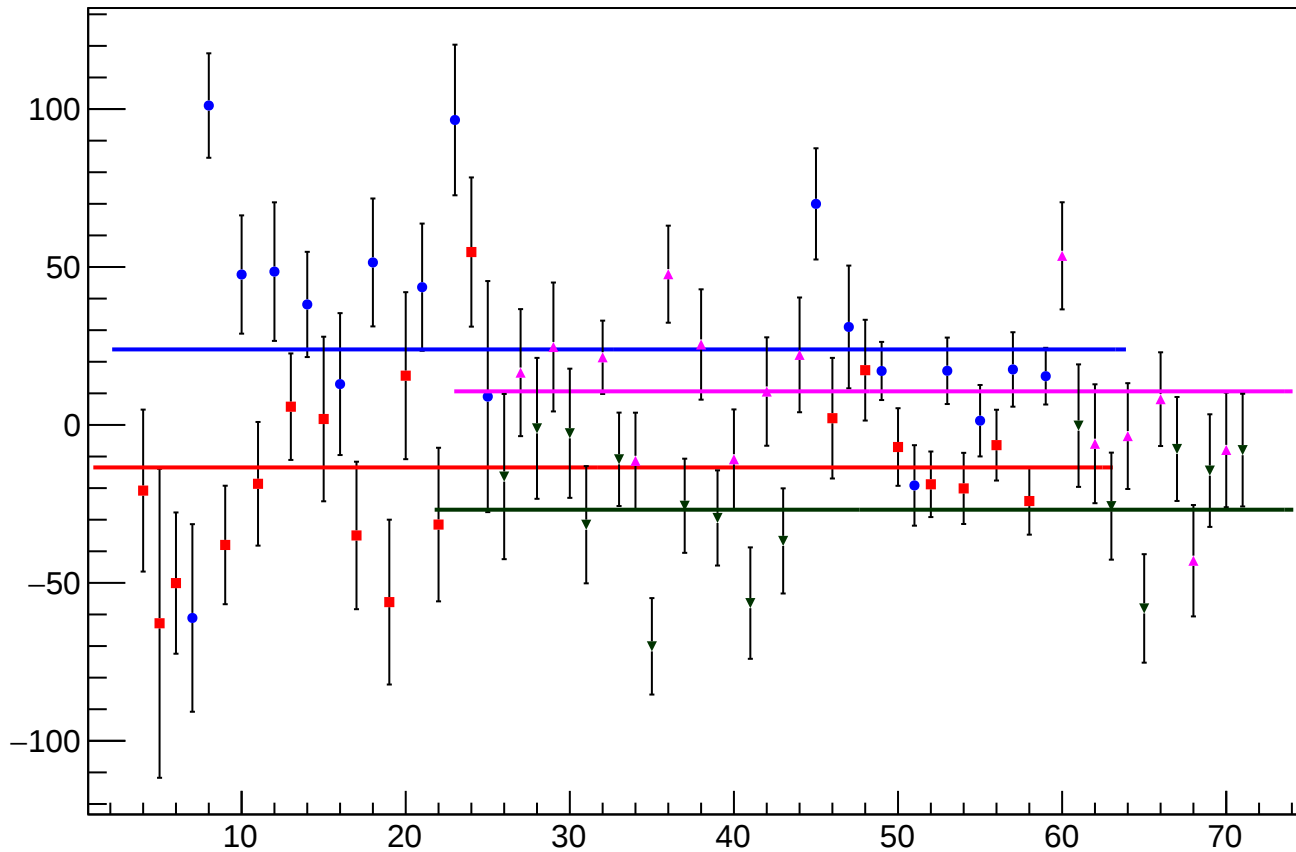
1547.261+/-0.255 χ^2/NDF : 2694674.4/33

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

1551.117+/-0.261 χ^2/NDF : 2141514.8/33

Left In: 1724.170+/-0.418 χ^2/NDF : 527764.3/14

diff_bpm0l08X_mean vs slug



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

Left Out: -26.834 ± 4.349 $\chi^2/\text{NDF}: 23.5/15$

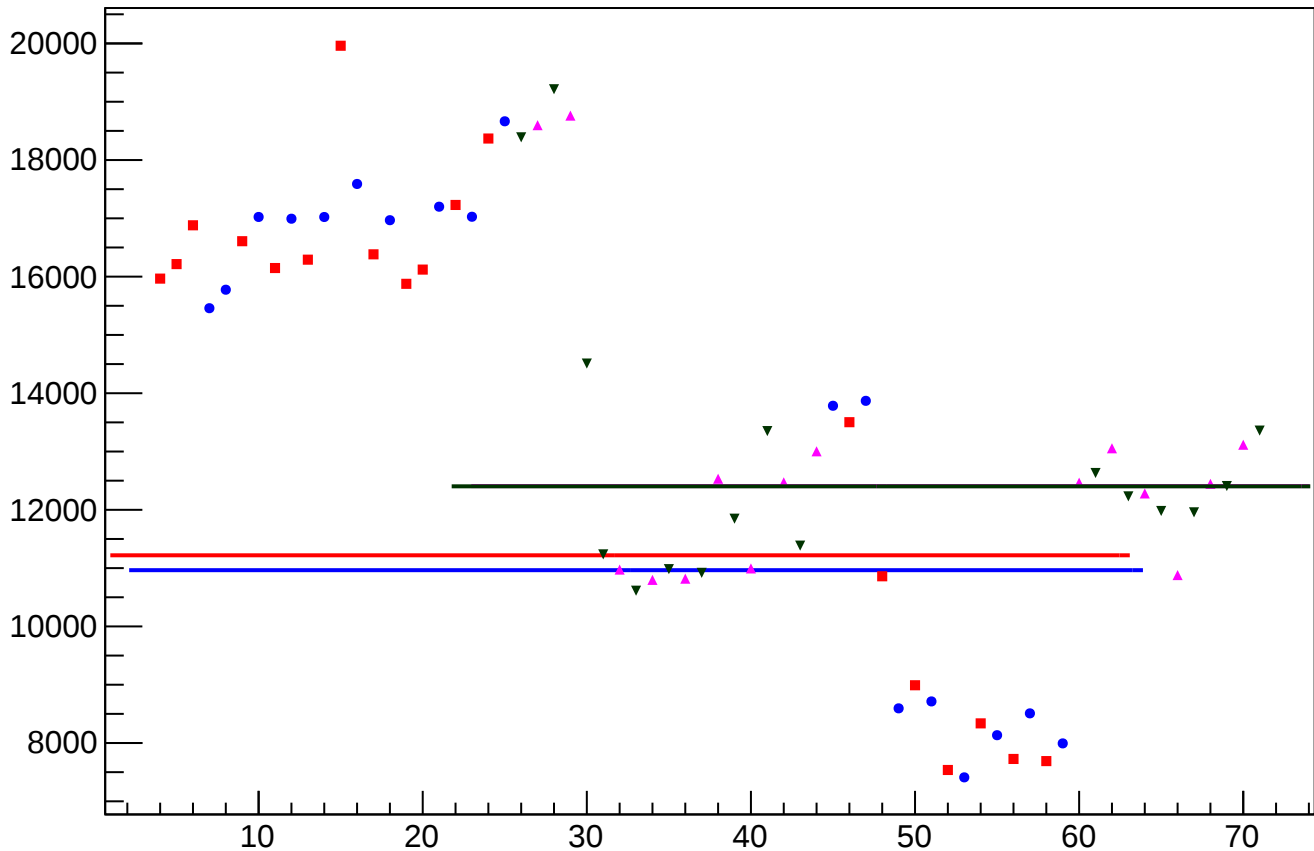
Right Out: -13.450 ± 3.783 $\chi^2/\text{NDF}: 27.5/18$

Left In: 10.635 ± 4.255 $\chi^2/\text{NDF}: 30.5/14$

4.169 ± 2.712 $\chi^2/\text{NDF}: 177.3/33$

-2.817 ± 2.827 $\chi^2/\text{NDF}: 75.9/33$

diff_bpm0l08X_rms vs slug



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

Left Out: 12403.079+/-3.075 χ^2/NDF : 411779.0/15

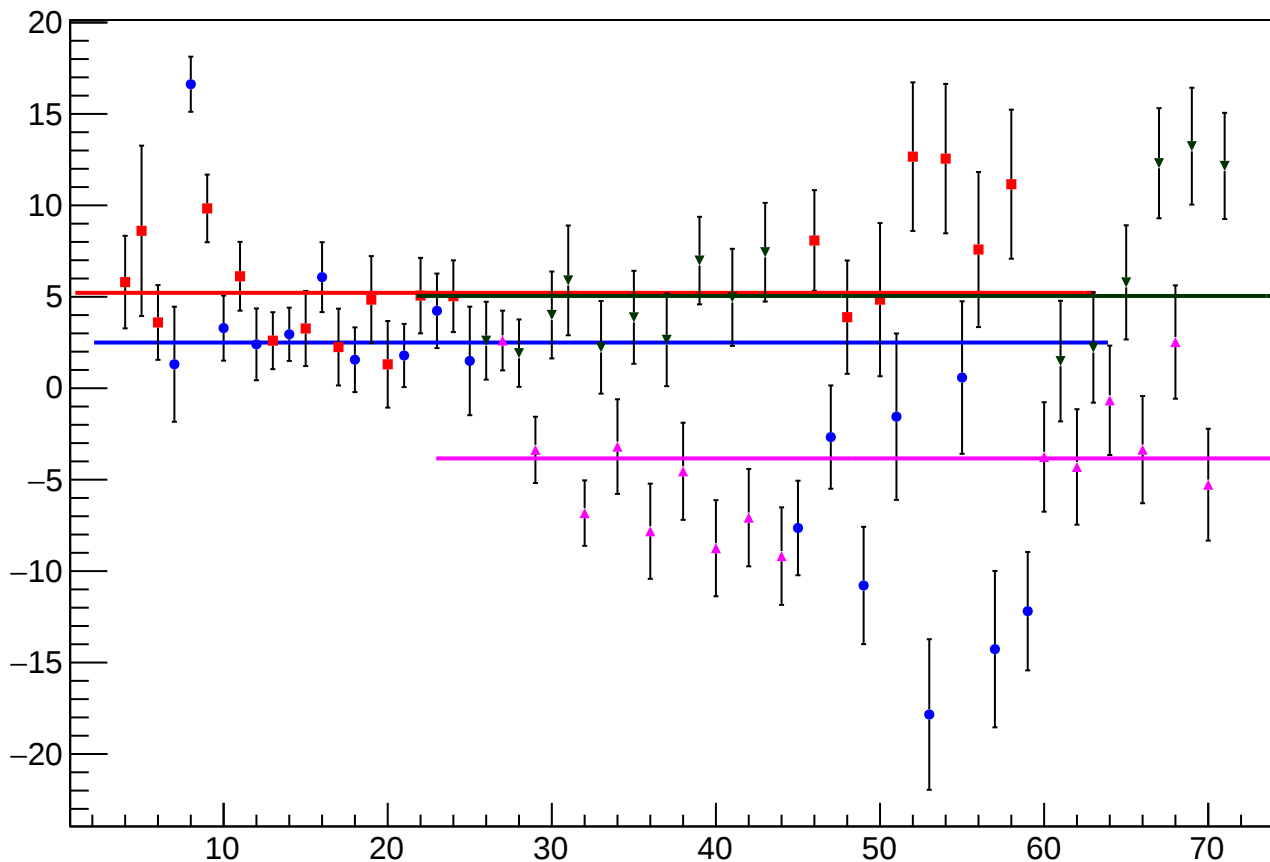
11524.270+/-1.918 χ^2/NDF : 3096298.3/33

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

11744.052+/-1.999 χ^2/NDF : 2933694.0/33

Left In: 12407.065+/-3.009 χ^2/NDF : 502803.9/14

diff_bpm0l08Y_mean vs slug



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

Left Out: 5.046 ± 0.652 χ^2/NDF : 28.7/15

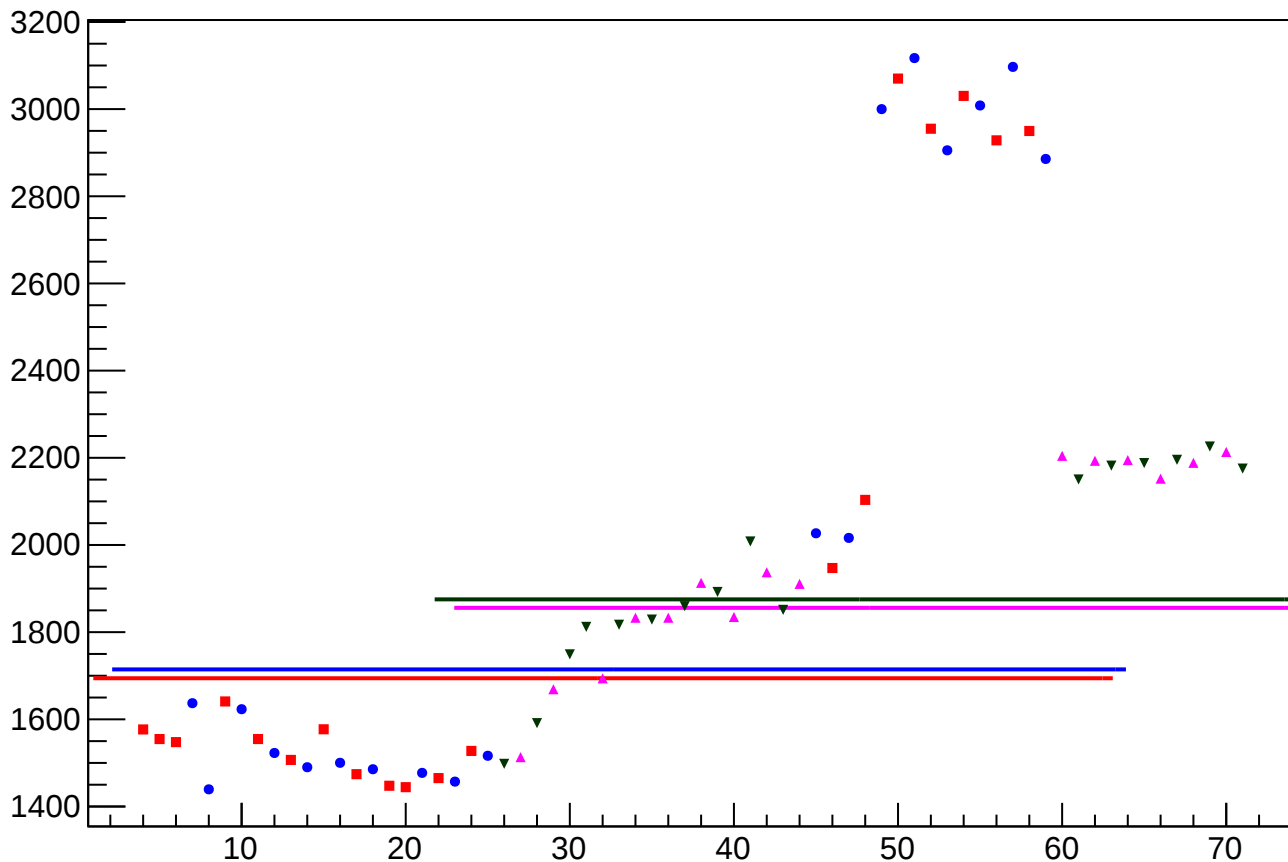
Right Out: 5.218 ± 0.553 χ^2/NDF : 26.5/18

Left In: -3.838 ± 0.631 χ^2/NDF : 35.5/14

3.513 ± 0.411 χ^2/NDF : 228.3/33

1.289 ± 0.416 χ^2/NDF : 178.4/33

diff_bpm0l08Y_rms vs slug



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

Left Out: 1875.231+/-0.461 χ^2/NDF : 246668.3/15

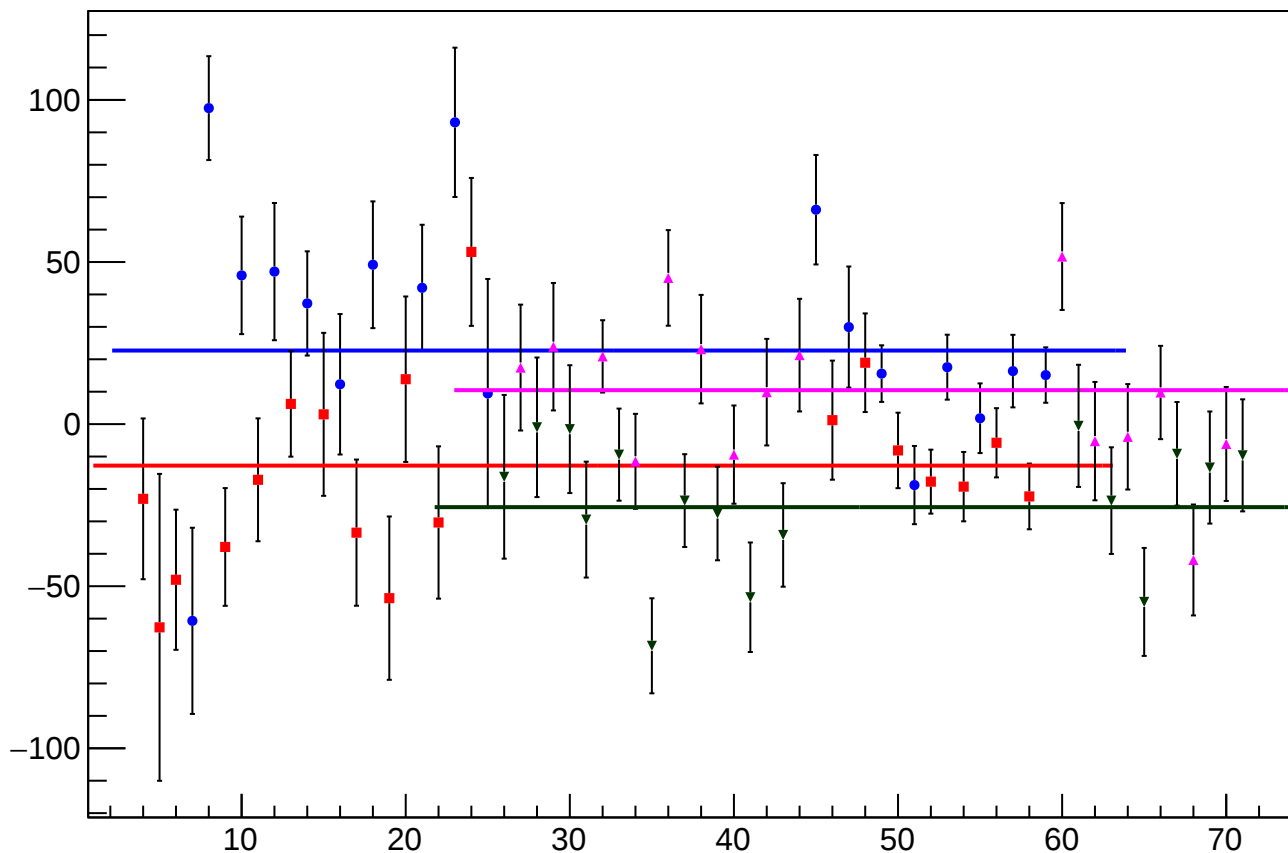
Right Out: 1694.263+/-0.391 χ^2/NDF : 1202765.8/18

Left In: 1855.792+/-0.447 χ^2/NDF : 276085.2/14

1778.548+/-0.291 χ^2/NDF : 1990591.5/33

1764.339+/-0.294 χ^2/NDF : 1552936.6/33

diff_bpm0l09X_mean vs slug



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

Left Out: -25.613 $\pm$ 4.193 χ^2 /NDF: 23.1/15

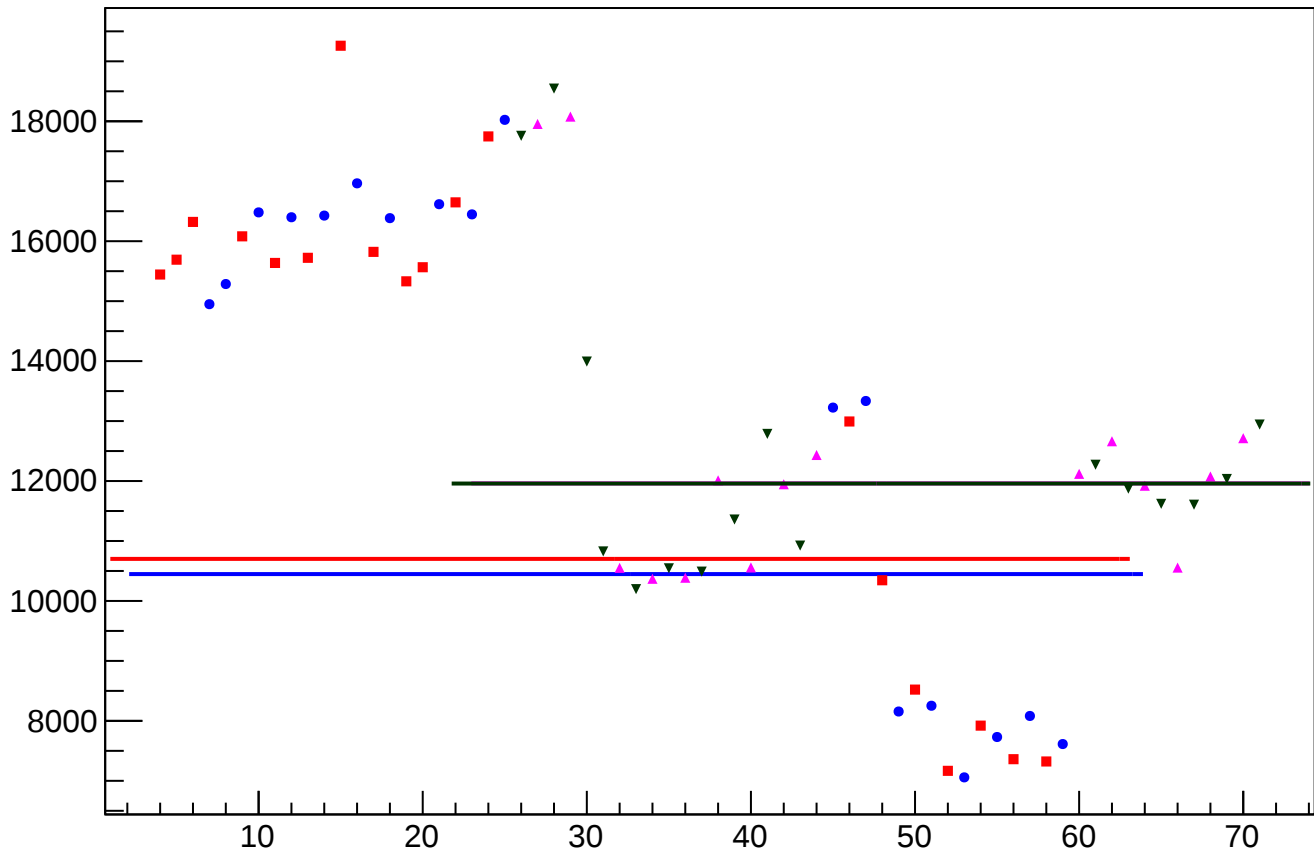
Right Out: -12.799 $\pm$ 3.618 χ^2 /NDF: 28.2/18

Left In: 10.471 $\pm$ 4.102 χ^2 /NDF: 30.0/14

4.119 $\pm$ 2.600 χ^2 /NDF: 175.7/33

-2.618 $\pm$ 2.714 χ^2 /NDF: 76.2/33

diff_bpm0l09X_rms vs slug



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

Left Out: 11958.191+/-2.965 χ^2/NDF : 418026.9/15

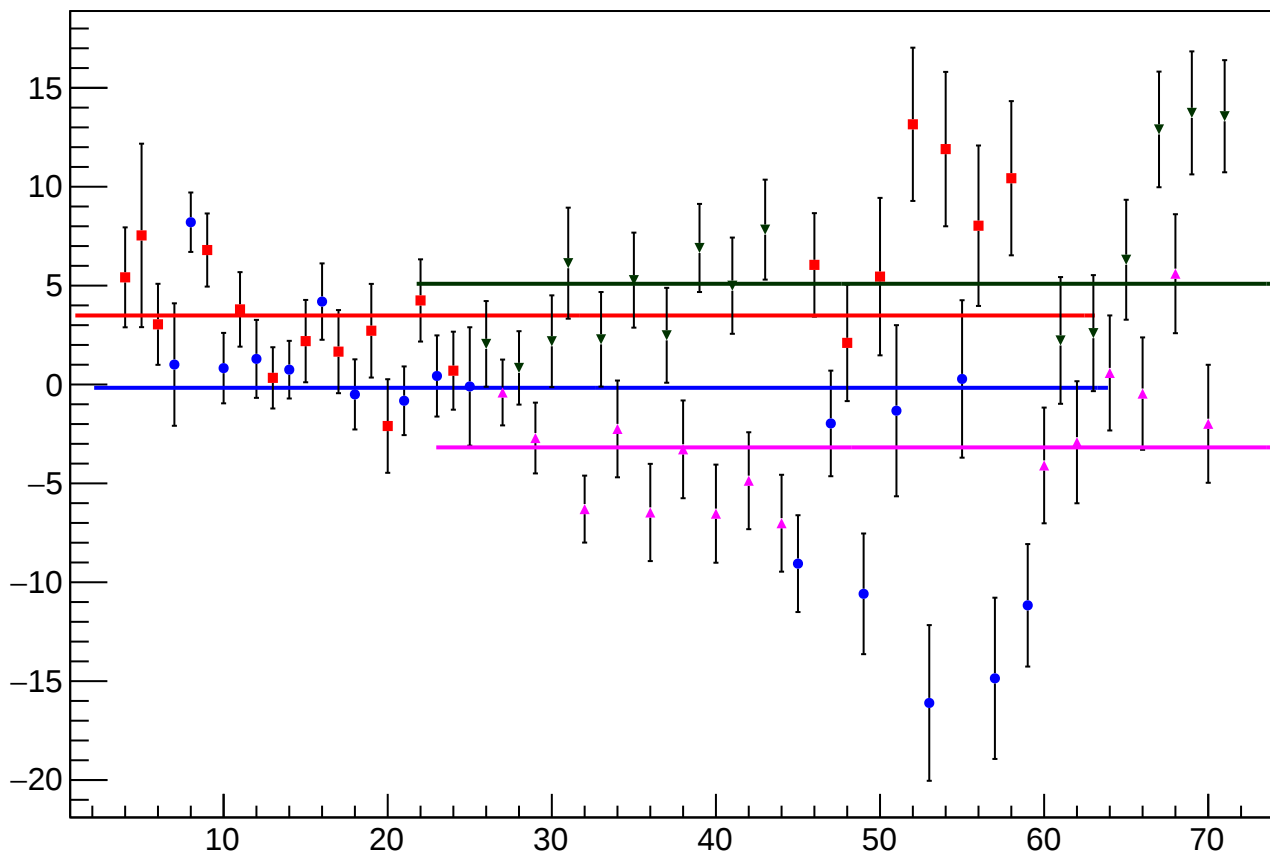
11028.880+/-1.839 χ^2/NDF : 3232286.7/33

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

11252.215+/-1.919 χ^2/NDF : 3051611.2/33

Left In: 11960.211+/-2.901 χ^2/NDF : 507203.8/14

diff_bpm0l09Y_mean vs slug



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

Left Out: 5.093 ± 0.628 $\chi^2/\text{NDF}: 38.8/15$

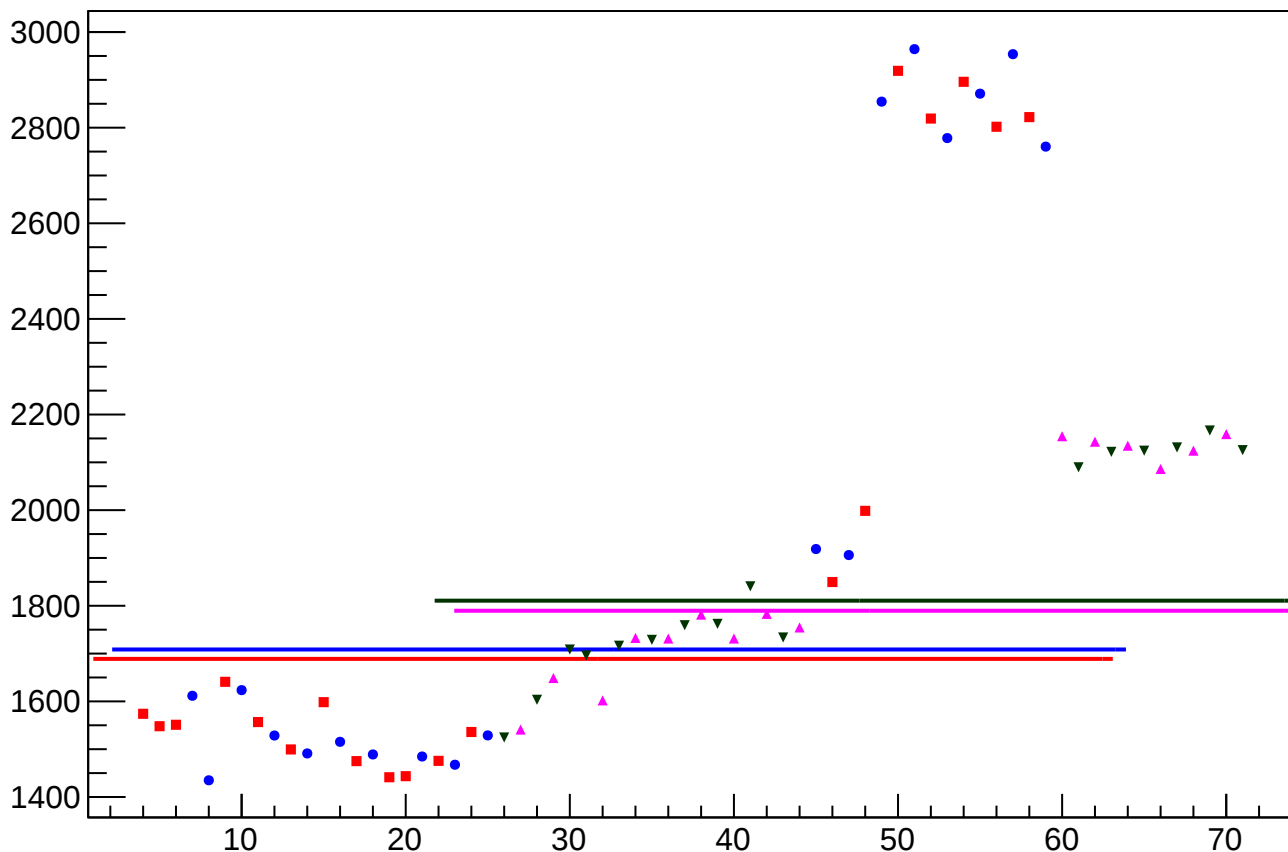
Right Out: 3.490 ± 0.549 $\chi^2/\text{NDF}: 34.4/18$

Left In: -3.180 ± 0.608 $\chi^2/\text{NDF}: 24.3/14$

1.998 ± 0.403 $\chi^2/\text{NDF}: 185.2/33$

0.497 ± 0.408 $\chi^2/\text{NDF}: 125.0/33$

diff_bpm0l09Y_rms vs slug



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

Left Out: 1810.648+/-0.444 χ^2/NDF : 210512.0/15

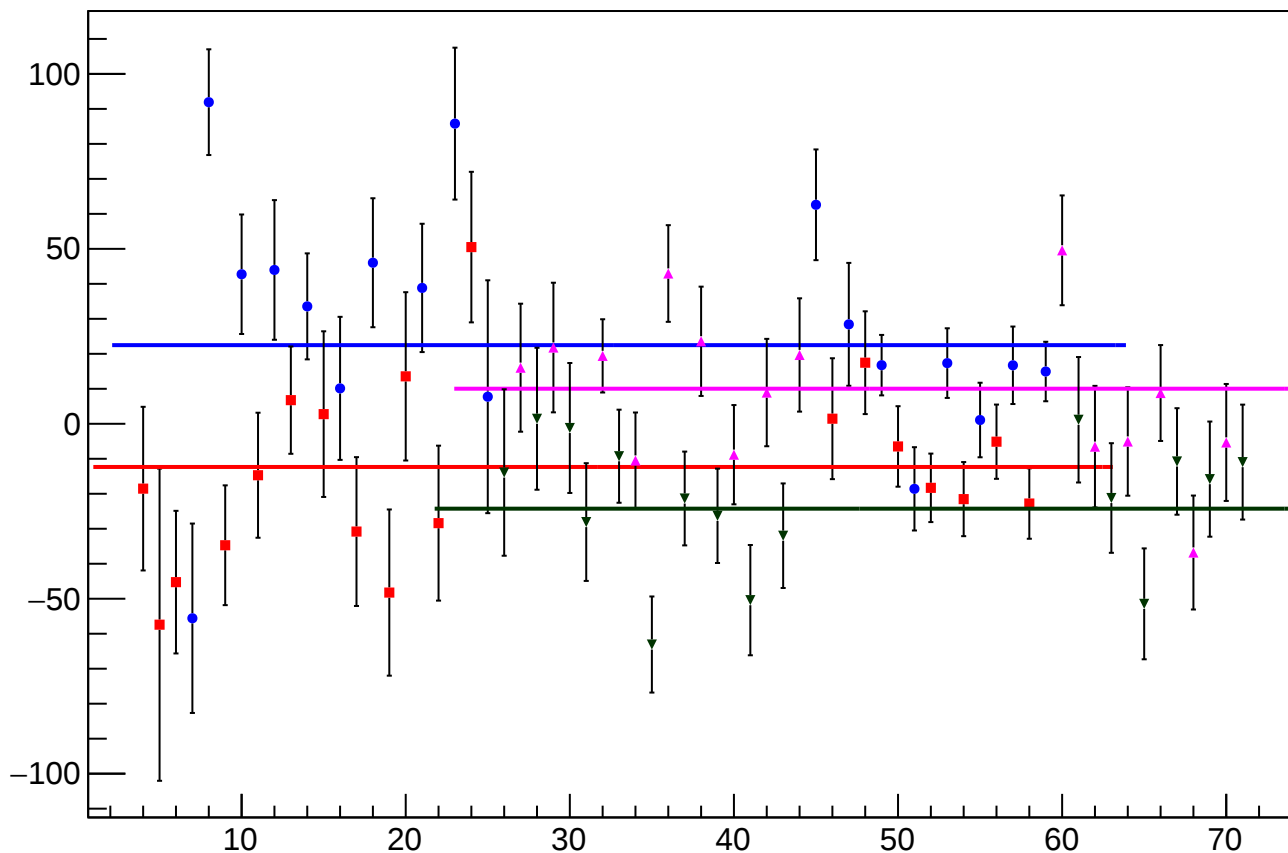
Right Out: 1688.902+/-0.388 χ^2/NDF : 1058632.3/18

Left In: 1789.579+/-0.430 χ^2/NDF : 248074.4/14

1750.592+/-0.285 χ^2/NDF : 1706154.4/33

1734.076+/-0.288 χ^2/NDF : 1336893.4/33

diff_bpm0l10X_mean vs slug



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

Left Out: -24.261 ± 3.952 $\chi^2/\text{NDF}: 22.4/15$

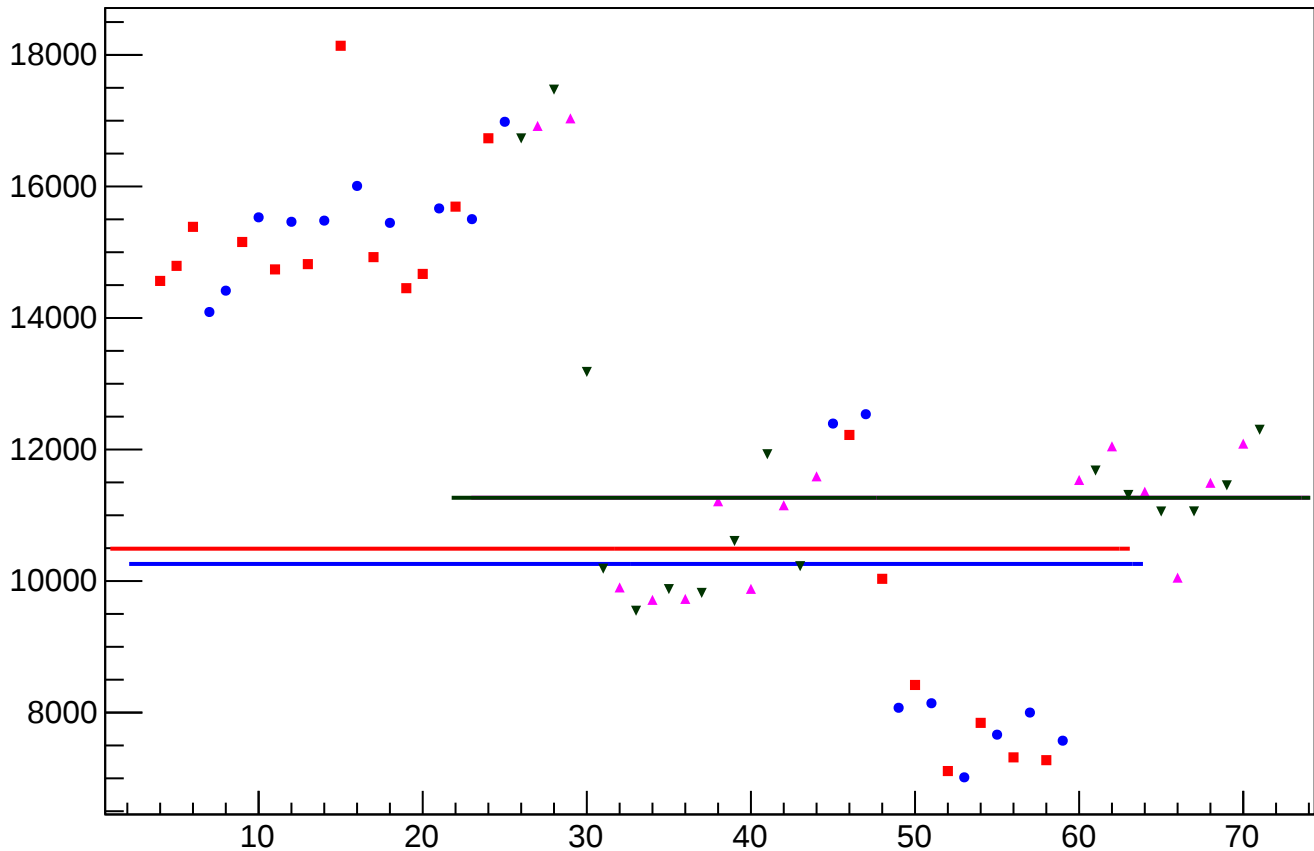
Right Out: -12.340 ± 3.516 $\chi^2/\text{NDF}: 28.3/18$

Left In: 10.027 ± 3.865 $\chi^2/\text{NDF}: 29.4/14$

3.774 ± 2.500 $\chi^2/\text{NDF}: 174.6/33$

-2.211 ± 2.601 $\chi^2/\text{NDF}: 76.1/33$

diff_bpm0l10X_rms vs slug



Right In: 10260.138+/-2.282 χ^2/NDF : 2319999.2/17

Left Out: 11266.388+/-2.794 χ^2/NDF : 427252.2/15

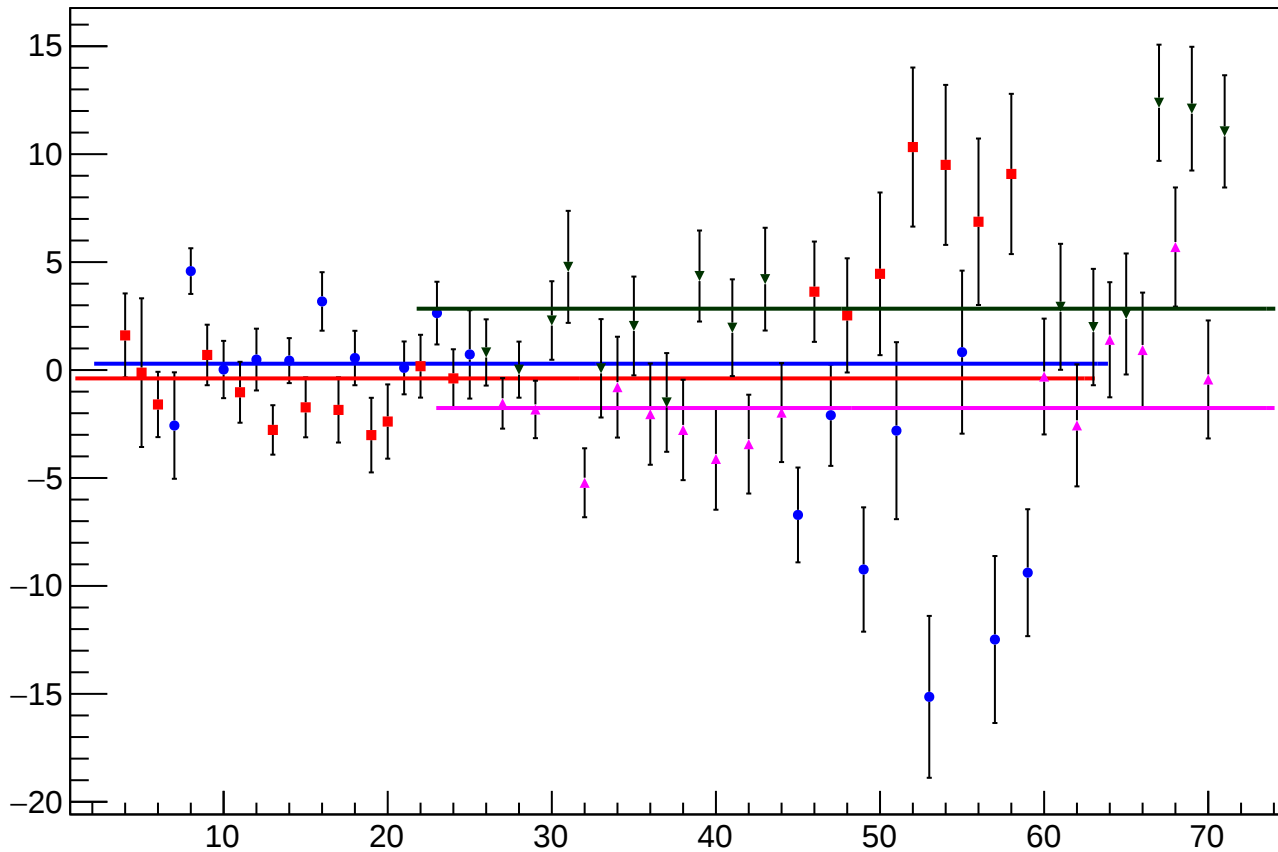
10662.833+/-1.768 χ^2/NDF : 2825031.4/33

Right Out: 10492.088+/-2.487 χ^2/NDF : 2138865.4/18

10842.982+/-1.839 χ^2/NDF : 2697873.3/33

Left In: 11266.967+/-2.733 χ^2/NDF : 515030.1/14

diff_bpm0l10Y_mean vs slug



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

Left Out: 2.842 ± 0.540 χ^2/NDF : 46.4/15

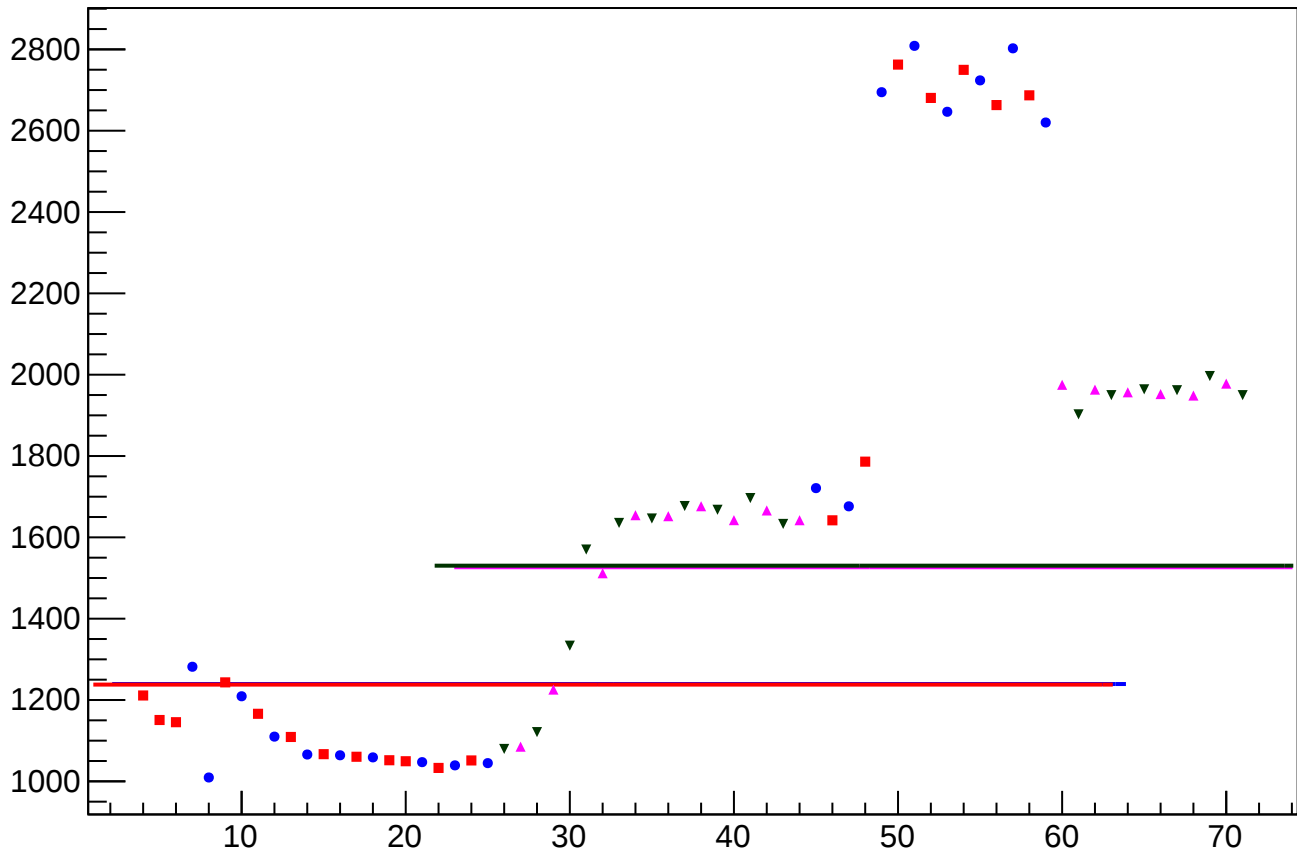
1.176 ± 0.318 χ^2/NDF : 147.6/33

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

-0.908 ± 0.324 χ^2/NDF : 65.2/33

Left In: -1.759 ± 0.526 χ^2/NDF : 17.0/14

diff_bpm0l10Y_rms vs slug



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

Left Out: 1530.338 $\pm$ 0.382 χ^2 /NDF: 721184.4/15

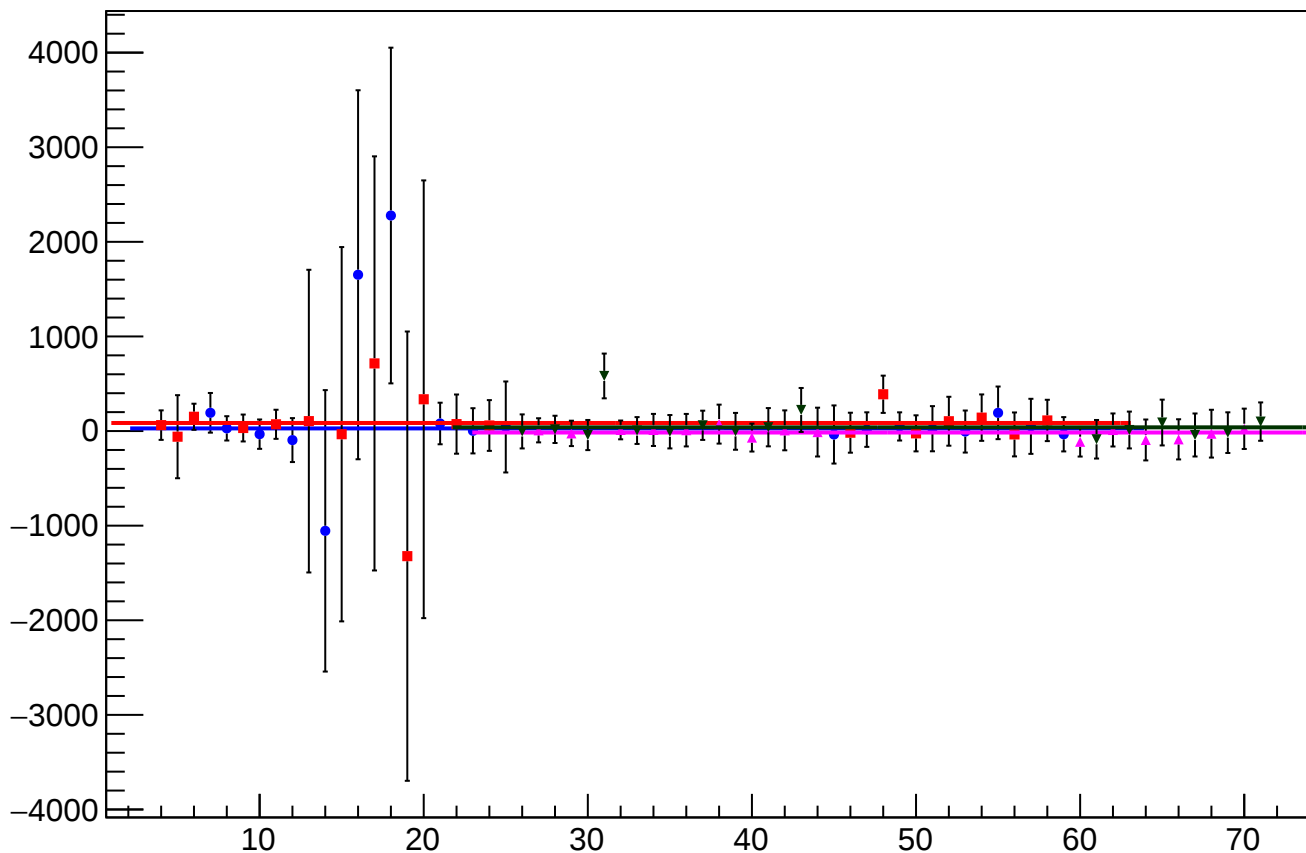
1340.092 $\pm$ 0.225 χ^2 /NDF: 3777068.1/33

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

1347.478 $\pm$ 0.229 χ^2 /NDF: 3019377.5/33

Left In: 1526.483 $\pm$ 0.372 χ^2 /NDF: 732179.1/14

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: 39.202+/-46.507 χ^2/NDF : 7.2/15

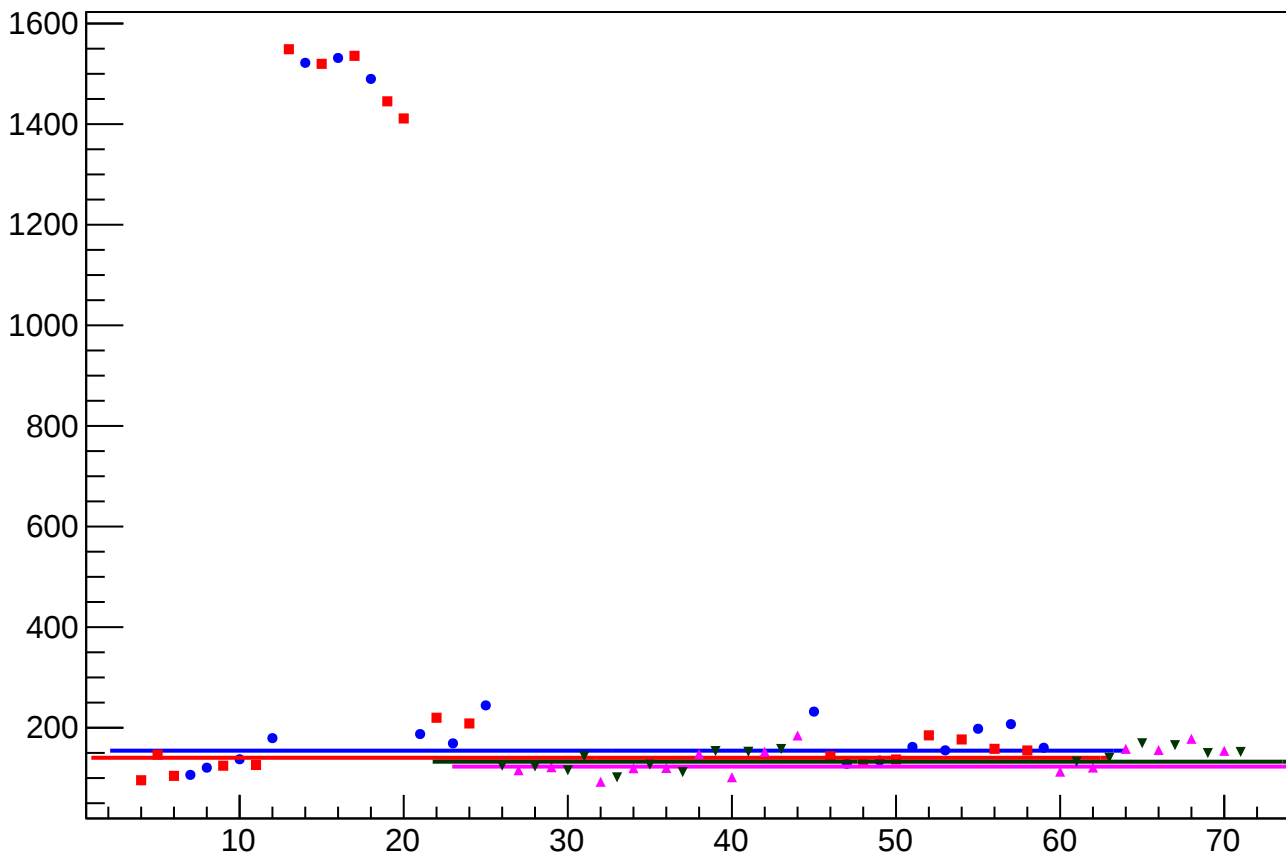
Right Out: 85.325+/-52.506 χ^2/NDF : 4.3/18

Left In: -15.548+/-42.670 χ^2/NDF : 1.2/14

34.200+/-34.753 χ^2/NDF : 11.7/33

24.574+/-33.114 χ^2/NDF : 7.7/33

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: 132.538+/-0.033 χ^2/NDF : 362957.1/15

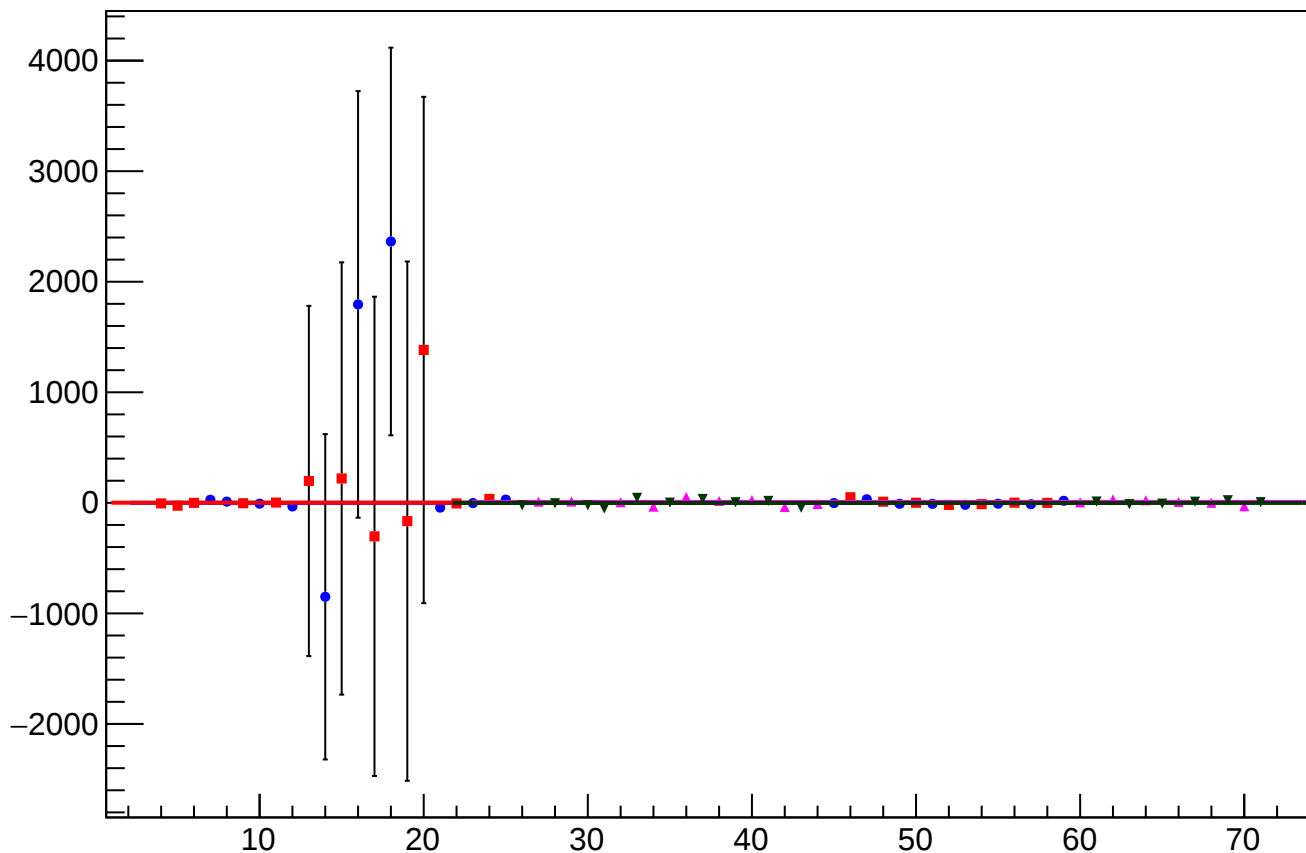
142.215+/-0.025 χ^2/NDF : 5115792.0/33

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

129.792+/-0.023 χ^2/NDF : 6074508.0/33

Left In: 122.821+/-0.030 χ^2/NDF : 666280.9/14

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: -0.796 $\pm$ 5.802 χ^2 /NDF:16.2/15

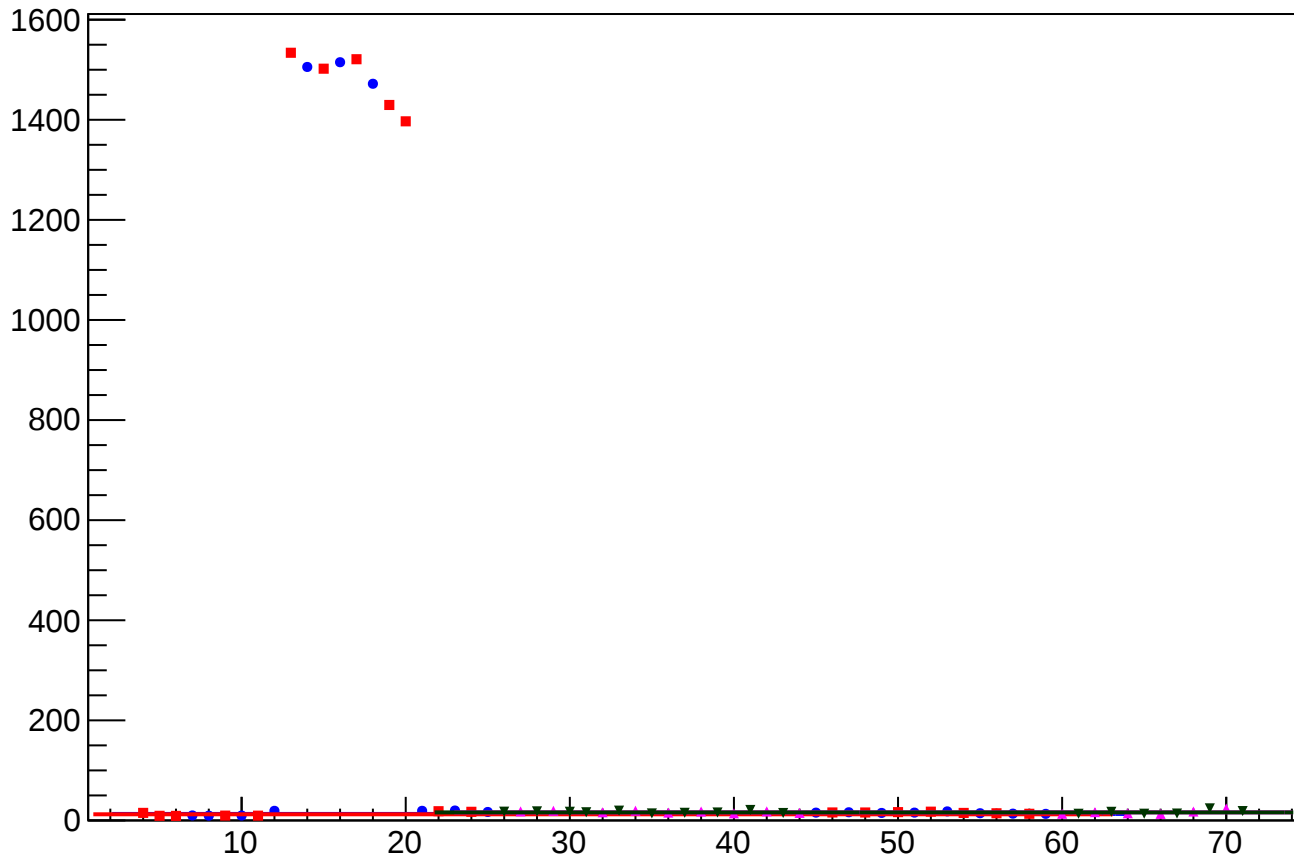
Right Out: 1.382 $\pm$ 4.789 χ^2 /NDF: 9.5/18

Left In: 8.574 $\pm$ 5.722 χ^2 /NDF:13.2/14

0.048 $\pm$ 3.611 χ^2 /NDF: 32.9/33

4.344 $\pm$ 3.672 χ^2 /NDF: 23.6/33

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs slug



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

Left Out: 16.104+/-0.004 χ^2/NDF : 362054.3/15

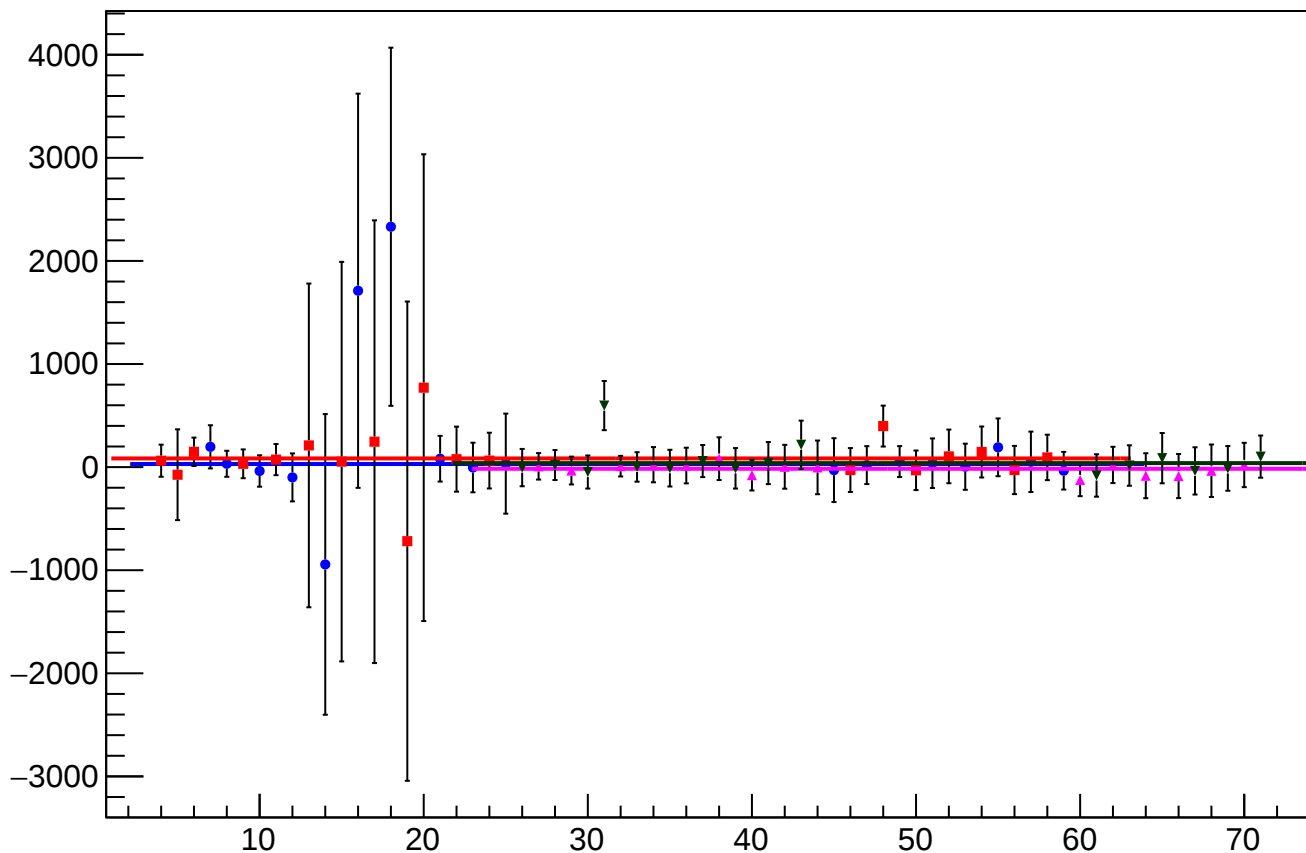
Right Out: 12.312+/-0.003 χ^2/NDF : 6373010.7/18

Left In: 16.217+/-0.004 χ^2/NDF : 348267.6/14

14.211+/-0.003 χ^2/NDF : 6405356.2/33

13.920+/-0.003 χ^2/NDF : 7268942.0/33

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: 38.847+/-46.877 χ^2/NDF : 7.3/15

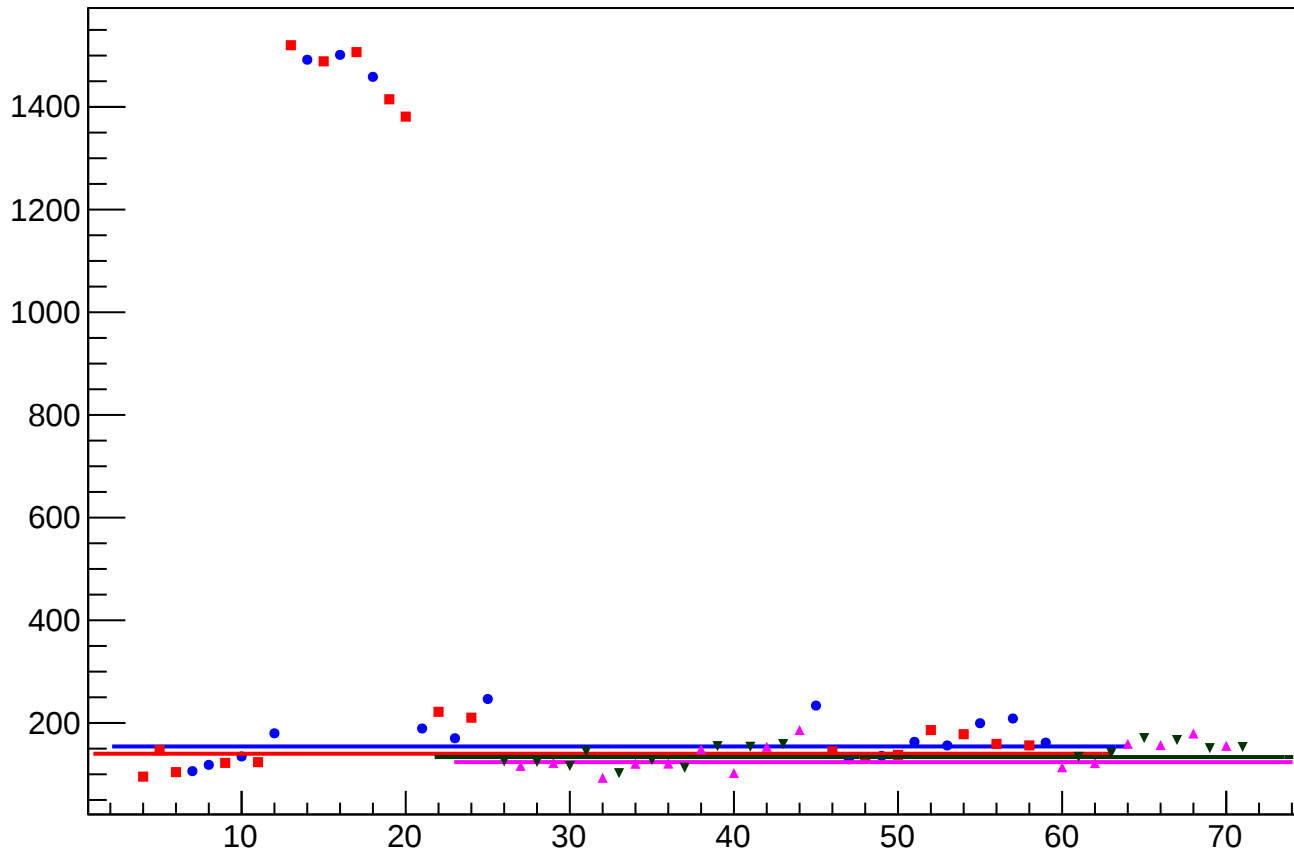
Right Out: 84.316+/-52.424 χ^2/NDF : 4.2/18

Left In: -16.109+/-42.993 χ^2/NDF : 1.4/14

34.908+/-34.897 χ^2/NDF : 12.0/33

24.274+/-33.244 χ^2/NDF : 7.7/33

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: 133.586+/-0.033 χ^2/NDF : 363736.8/15

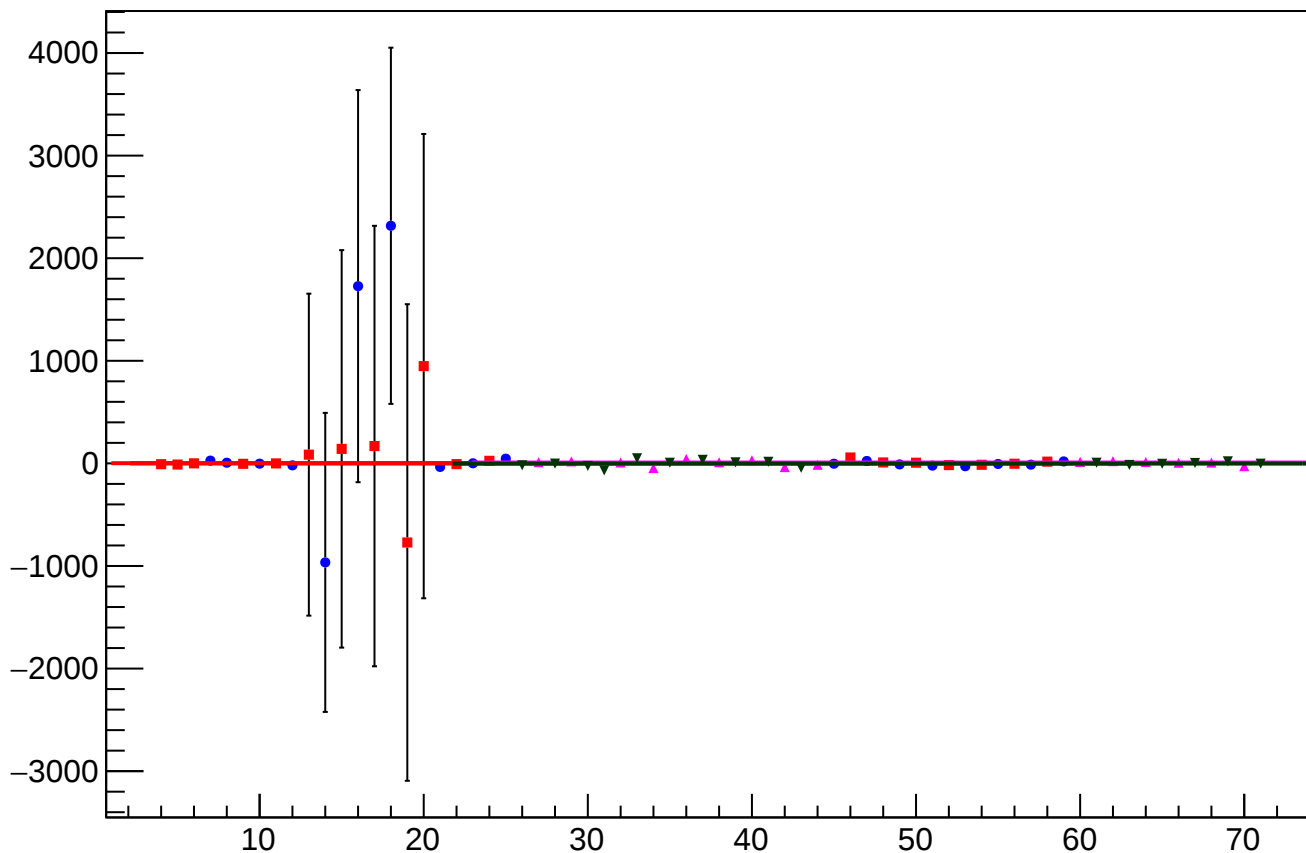
Right Out: 140.050+/-0.037 χ^2/NDF : 5289912.8/18

Left In: 123.740+/-0.030 χ^2/NDF : 668221.5/14

142.791+/-0.025 χ^2/NDF : 5121581.1/33

130.298+/-0.024 χ^2/NDF : 6073885.2/33

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs slug



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

Left Out: -1.955 $\pm$ 5.667 χ^2 /NDF:19.1/15

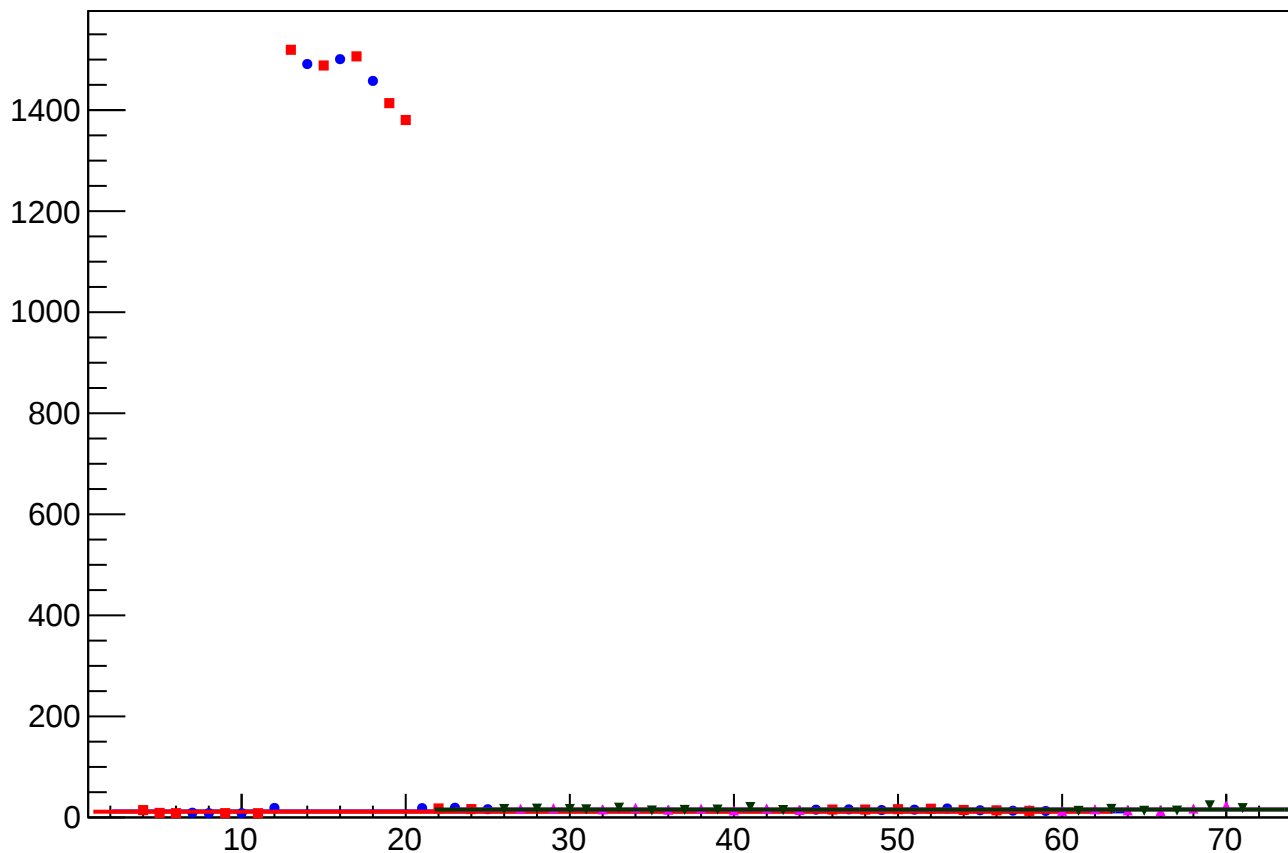
Right Out: 1.782 $\pm$ 4.470 χ^2 /NDF: 10.1/18

Left In: 8.625 $\pm$ 5.590 χ^2 /NDF:12.8/14

-0.305 $\pm$ 3.433 χ^2 /NDF: 35.3/33

4.451 $\pm$ 3.491 χ^2 /NDF: 23.9/33

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: 15.704 $\pm$ 0.004 χ^2 /NDF: 362737.2/15

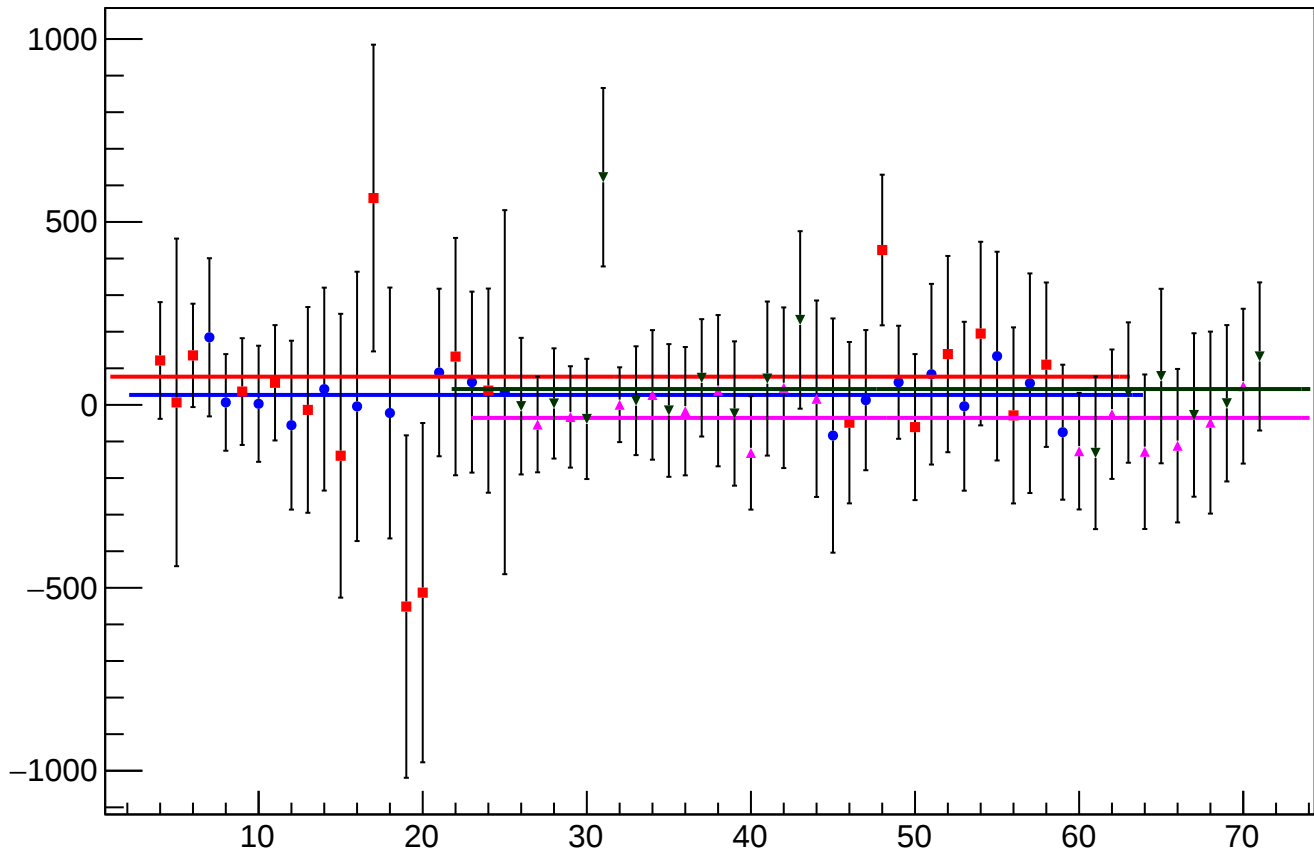
Right Out: 11.361 $\pm$ 0.003 χ^2 /NDF: 6645877.2/18

Left In: 15.814 $\pm$ 0.004 χ^2 /NDF: 344924.4/14

13.368 $\pm$ 0.002 χ^2 /NDF: 6961255.0/33

13.098 $\pm$ 0.002 χ^2 /NDF: 7765114.7/33

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: 43.283+/-47.649 χ^2/NDF : 8.0/15

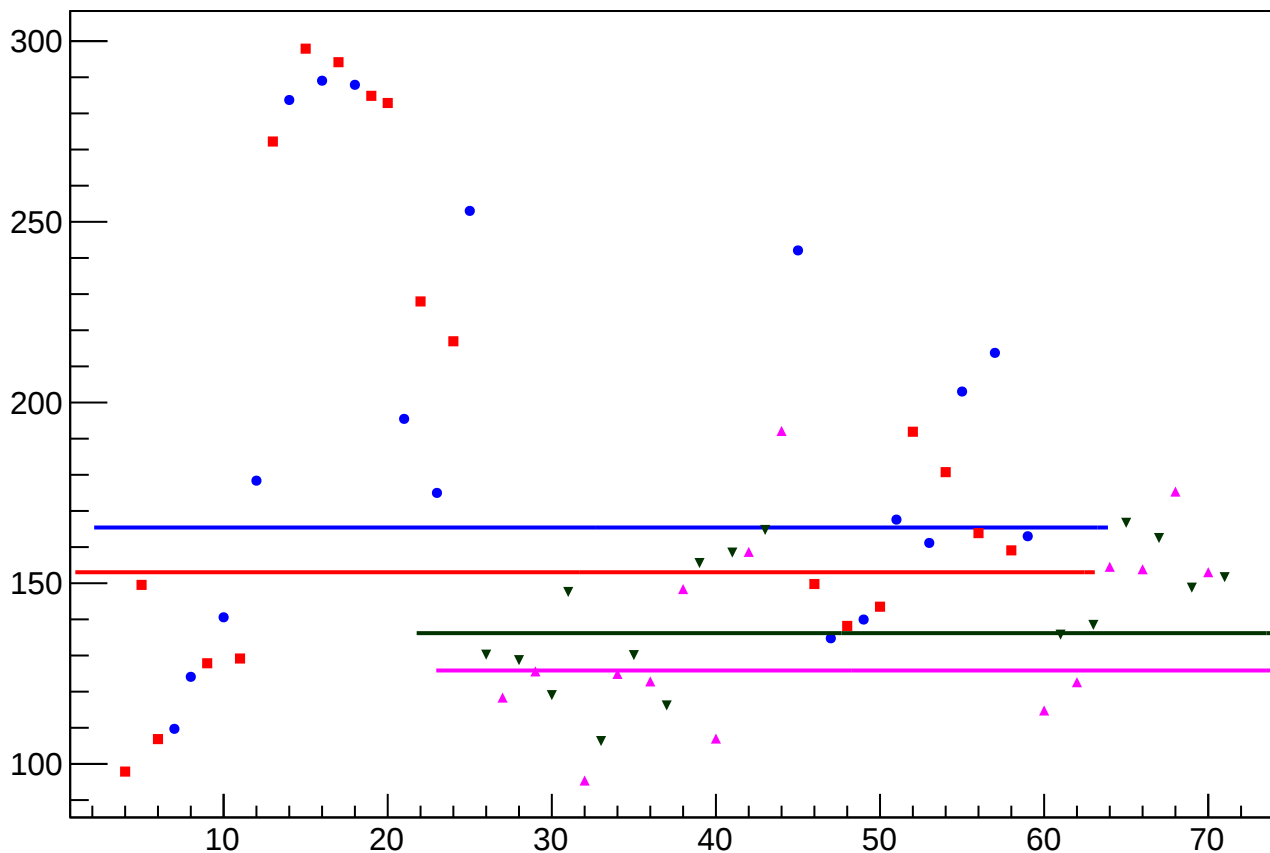
Right Out: 77.113+/-51.687 χ^2/NDF : 9.7/18

Left In: -35.561+/-43.631 χ^2/NDF : 1.8/14

35.926+/-35.074 χ^2/NDF : 9.6/33

11.321+/-33.340 χ^2/NDF : 14.3/33

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: 136.189 $\pm$ 0.034 χ^2 /NDF: 296054.6/15

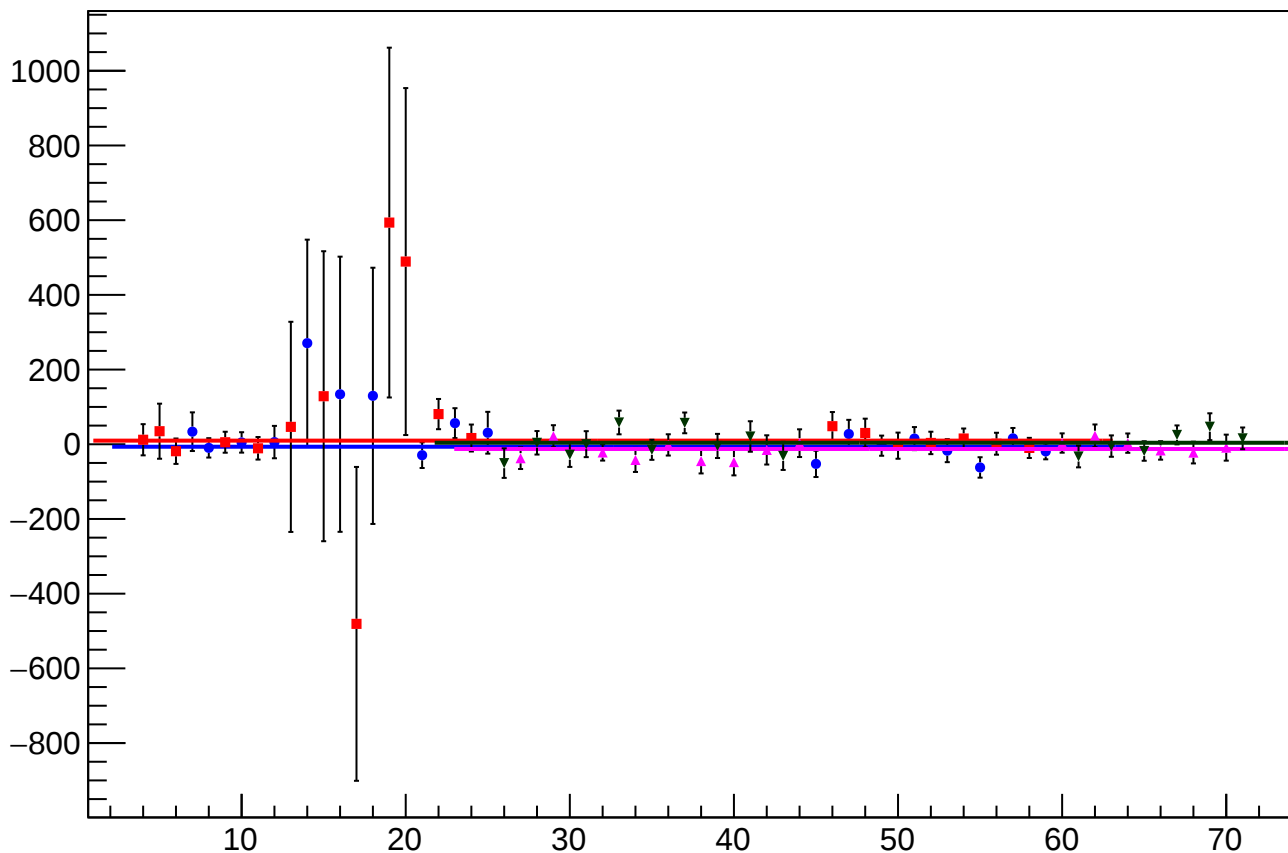
149.582 $\pm$ 0.025 χ^2 /NDF: 2277290.7/33

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

137.166 $\pm$ 0.024 χ^2 /NDF: 2960601.9/33

Left In: 125.855 $\pm$ 0.031 χ^2 /NDF: 599692.4/14

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs slug



Right In: -6.569+/-8.065 χ^2/NDF : 13.8/17

Left Out: 4.061+/-7.733 χ^2/NDF :15.7/15

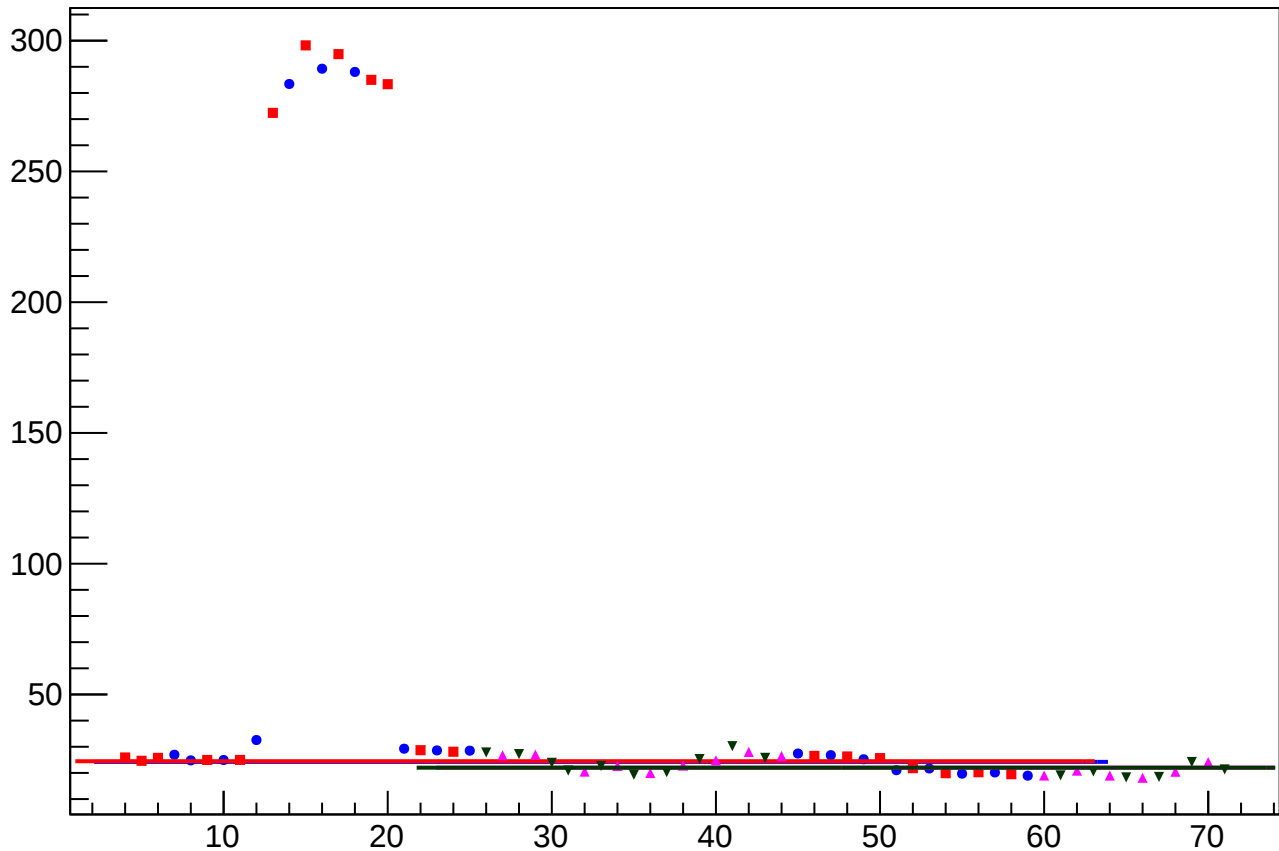
Right Out: 9.755+/-8.898 χ^2/NDF : 10.7/18

Left In: -12.650+/-7.572 χ^2/NDF :7.6/14

-1.031+/-5.582 χ^2/NDF : 30.5/33

-3.240+/-5.767 χ^2/NDF : 21.9/33

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs slug



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

Left Out: 22.001+/-0.005 χ^2/NDF : 369705.1/15

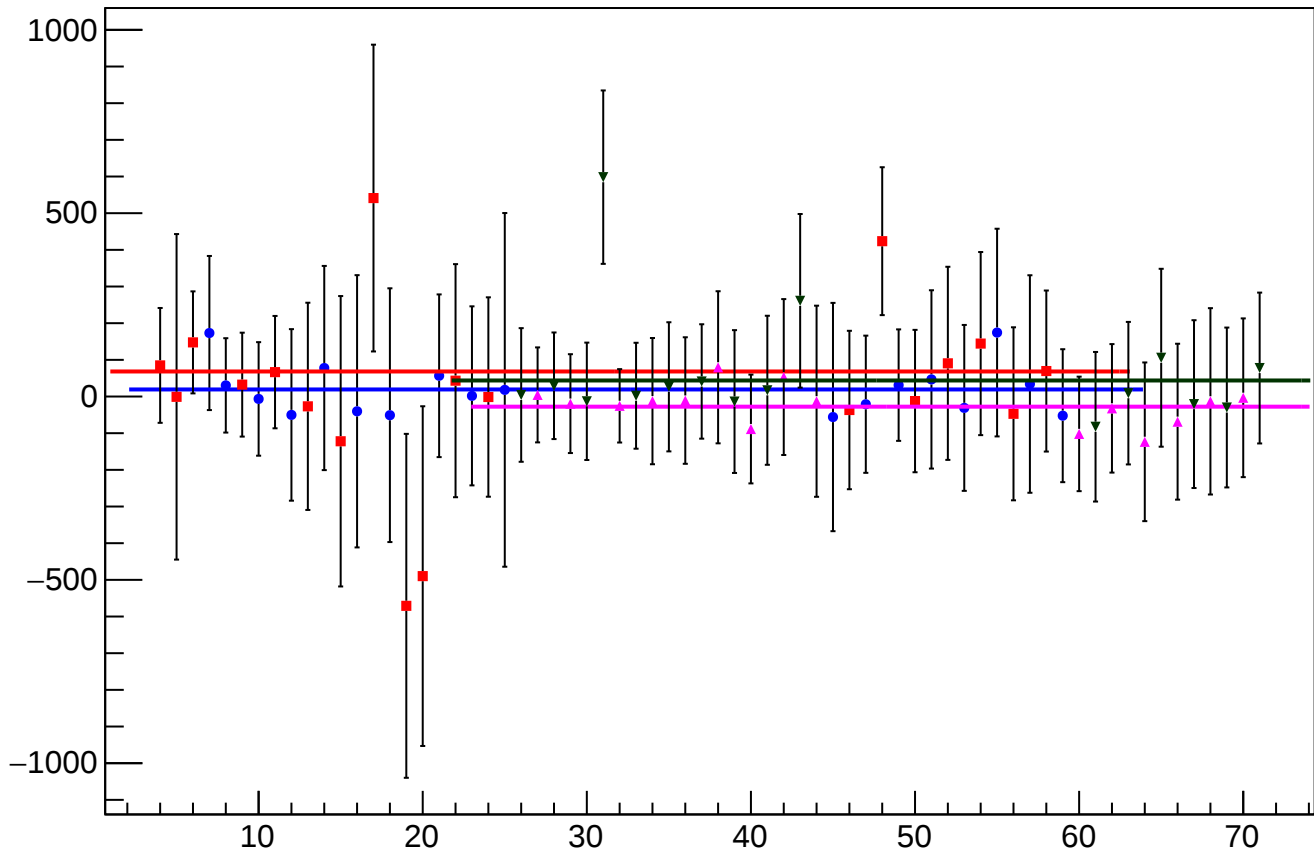
Right Out: 24.466+/-0.006 χ^2/NDF : 4859985.2/18

Left In: 22.006+/-0.005 χ^2/NDF : 340547.4/14

23.066+/-0.004 χ^2/NDF : 4862011.5/33

23.039+/-0.004 χ^2/NDF : 5289151.1/33

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs slug



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

Left Out: 43.761+/-46.865 χ^2/NDF : 7.4/15

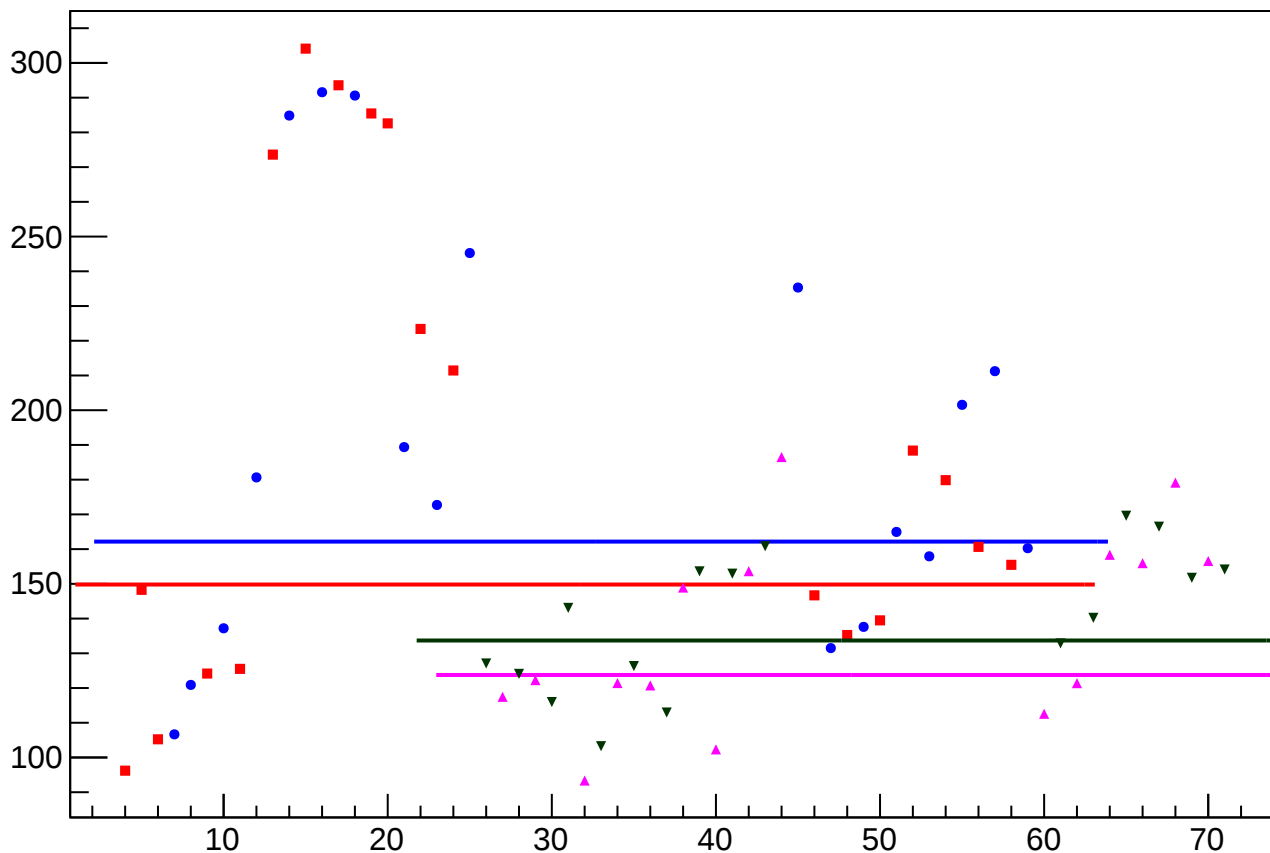
Right Out: 68.308+/-50.710 χ^2/NDF : 9.3/18

Left In: -27.674+/-42.983 χ^2/NDF : 1.1/14

32.525+/-34.481 χ^2/NDF : 9.0/33

12.455+/-32.789 χ^2/NDF : 12.5/33

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs slug



Right In: 162.166 $\pm$ 0.036 χ^2/NDF : 1720612.8/17

Left Out: 133.690 $\pm$ 0.033 χ^2/NDF : 352462.5/15

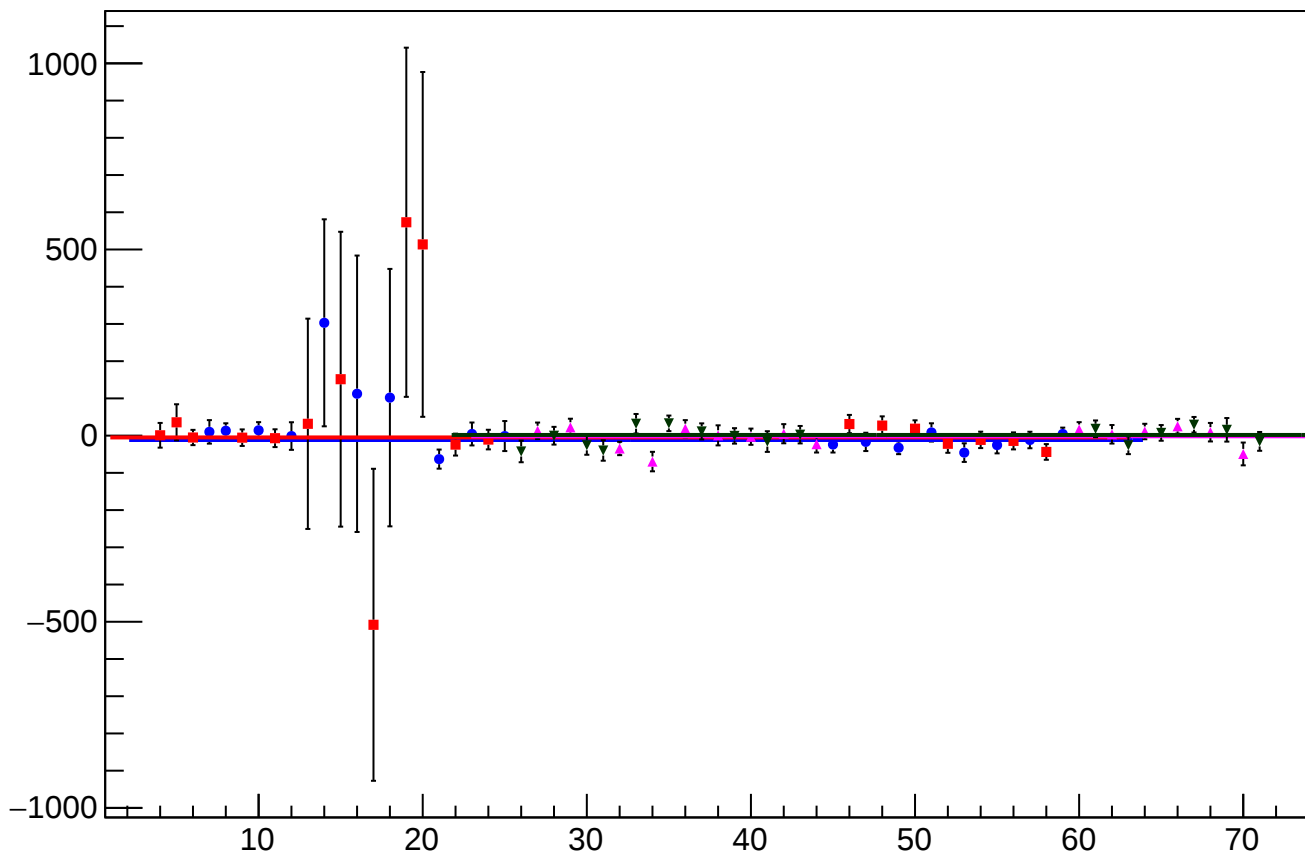
146.751 $\pm$ 0.024 χ^2/NDF : 2411764.7/33

Right Out: 149.803 $\pm$ 0.036 χ^2/NDF : 2114602.4/18

134.649 $\pm$ 0.023 χ^2/NDF : 3087348.1/33

Left In: 123.760 $\pm$ 0.030 χ^2/NDF : 665785.9/14

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs slug



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

Left Out: 1.811 ± 5.976 $\chi^2/\text{NDF}: 14.4/15$

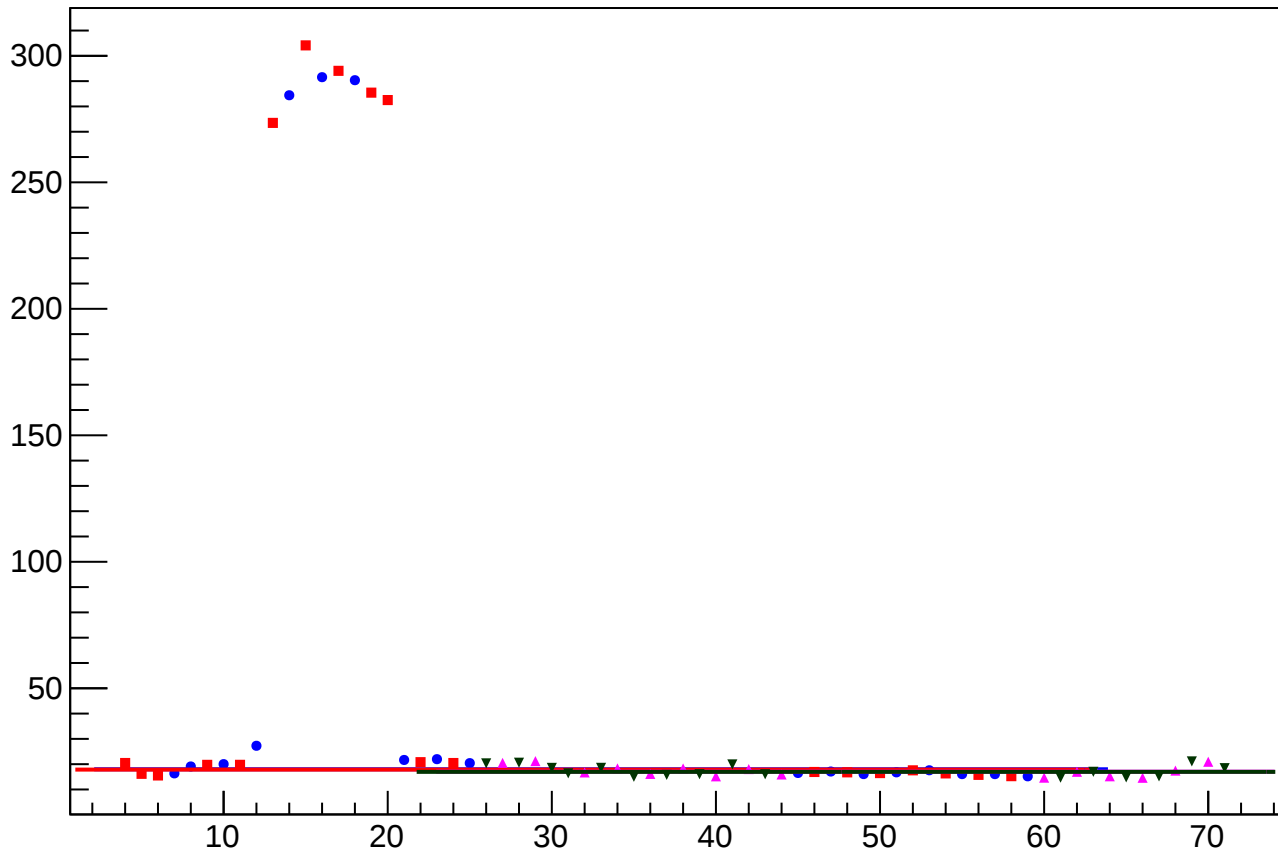
Right Out: -4.846 ± 6.550 $\chi^2/\text{NDF}: 14.7/18$

Left In: -1.762 ± 5.877 $\chi^2/\text{NDF}: 19.0/14$

-4.884 ± 4.246 $\chi^2/\text{NDF}: 31.9/33$

-3.138 ± 4.374 $\chi^2/\text{NDF}: 33.8/33$

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs slug



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

Left Out: 16.963 ± 0.004 χ^2/NDF : 240378.4/15

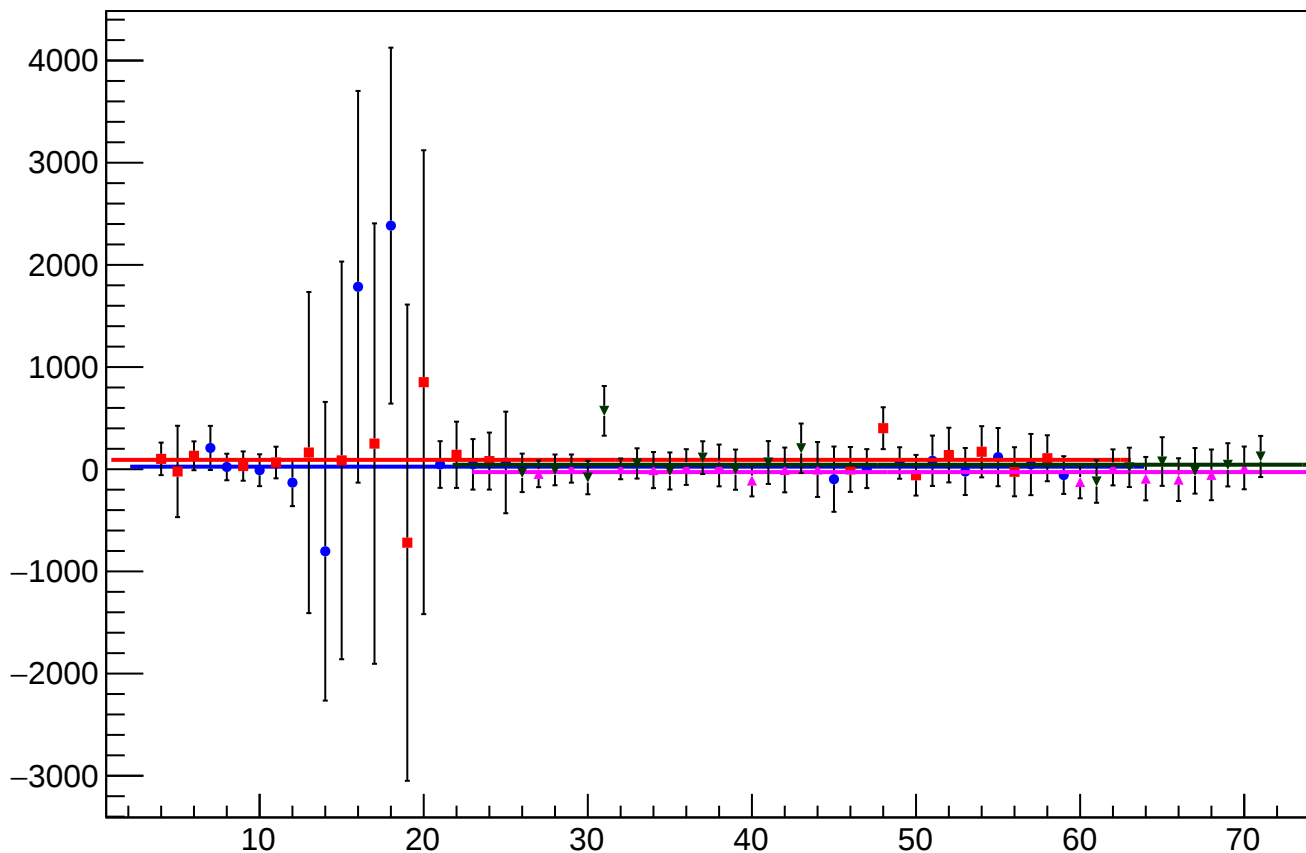
17.470 ± 0.003 χ^2/NDF : 4794703.9/33

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

17.400 ± 0.003 χ^2/NDF : 5306533.2/33

Left In: 17.035 ± 0.004 χ^2/NDF : 255060.8/14

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs slug



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

Left Out: 44.190+/-47.576 χ^2/NDF : 7.3/15

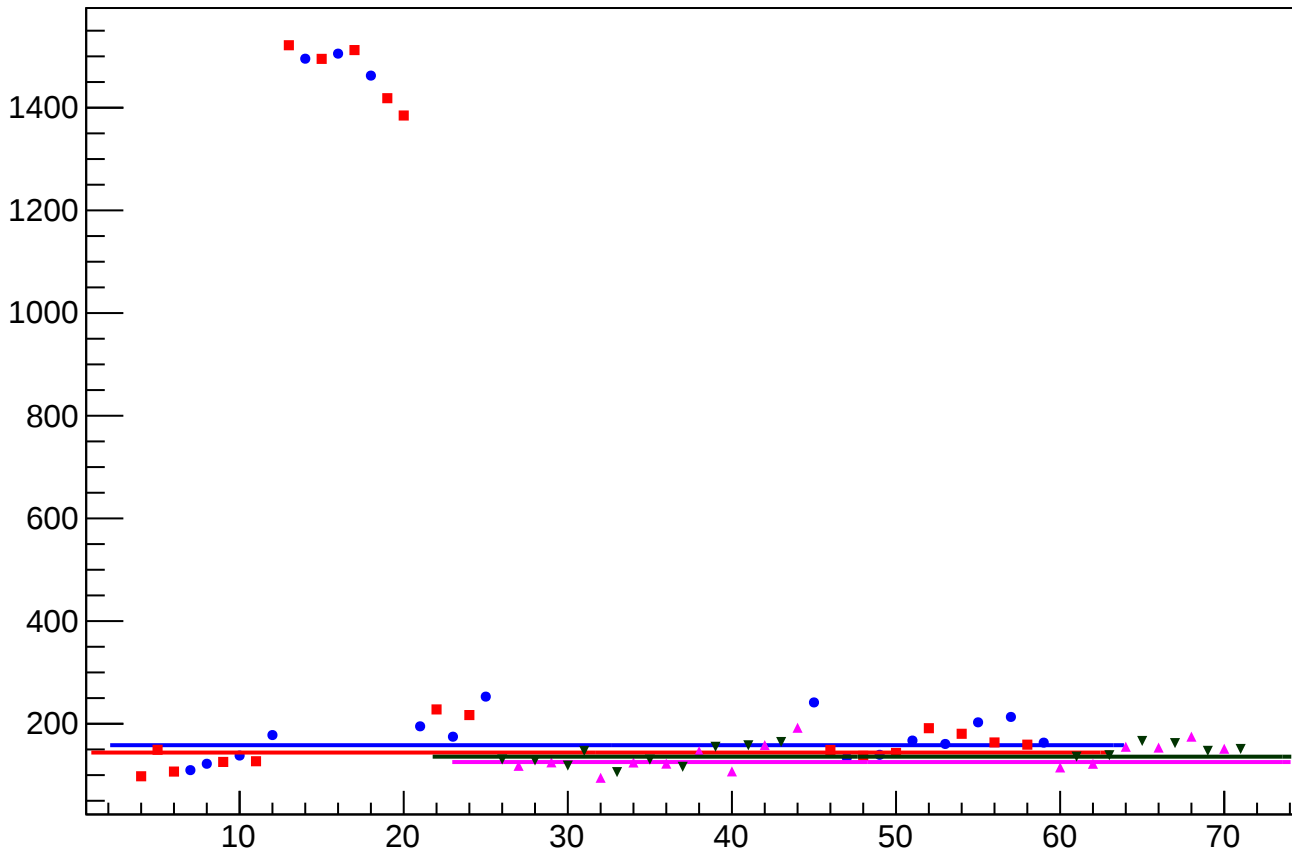
Right Out: 91.771+/-53.823 χ^2/NDF : 4.0/18

Left In: -27.740+/-43.495 χ^2/NDF : 1.4/14

35.773+/-35.563 χ^2/NDF : 12.2/33

19.473+/-33.830 χ^2/NDF : 8.4/33

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: 135.907+/-0.034 χ^2/NDF : 295772.7/15

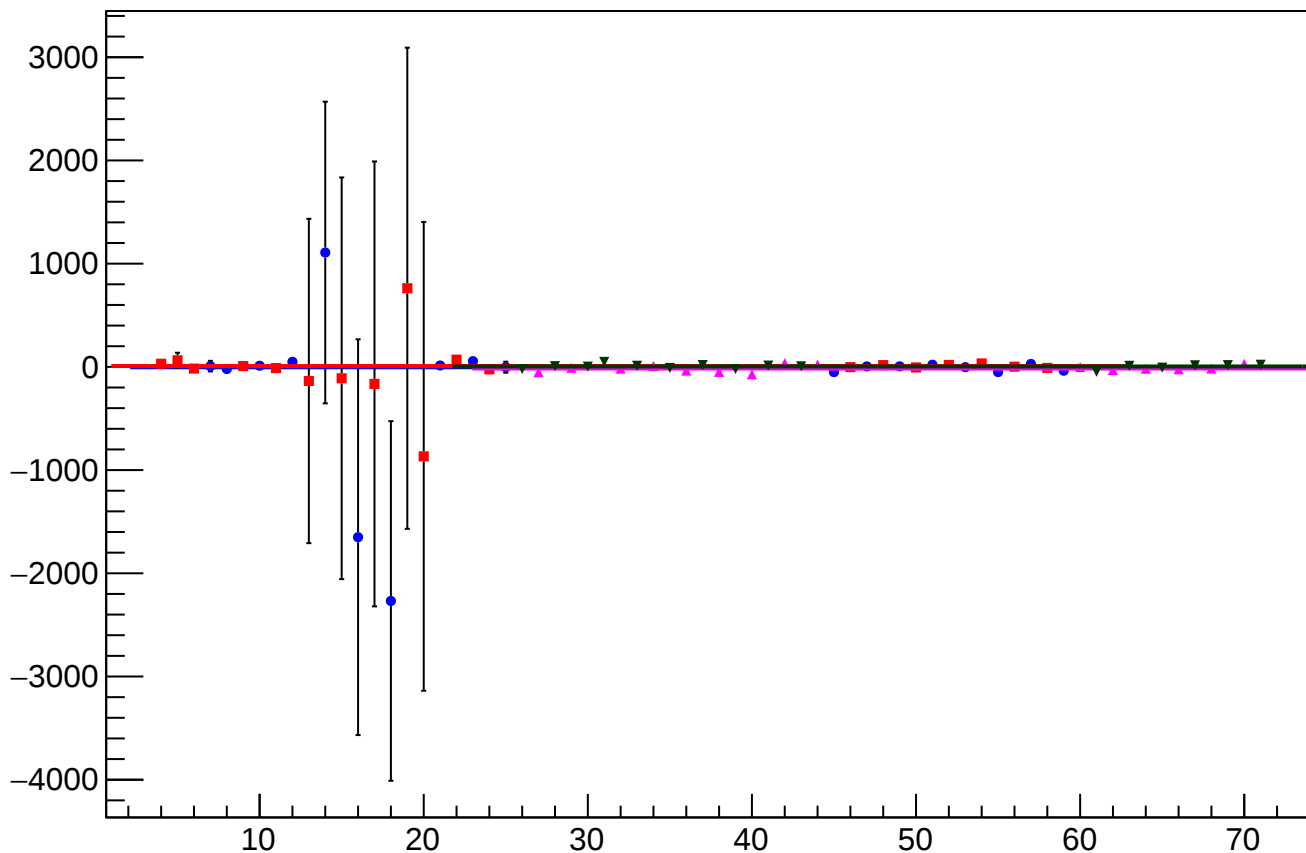
145.777+/-0.025 χ^2/NDF : 5029846.3/33

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

132.748+/-0.024 χ^2/NDF : 6012327.4/33

Left In: 125.440+/-0.031 χ^2/NDF : 601418.5/14

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs slug



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

Left Out: 3.895+/-7.307 χ^2/NDF : 7.8/15

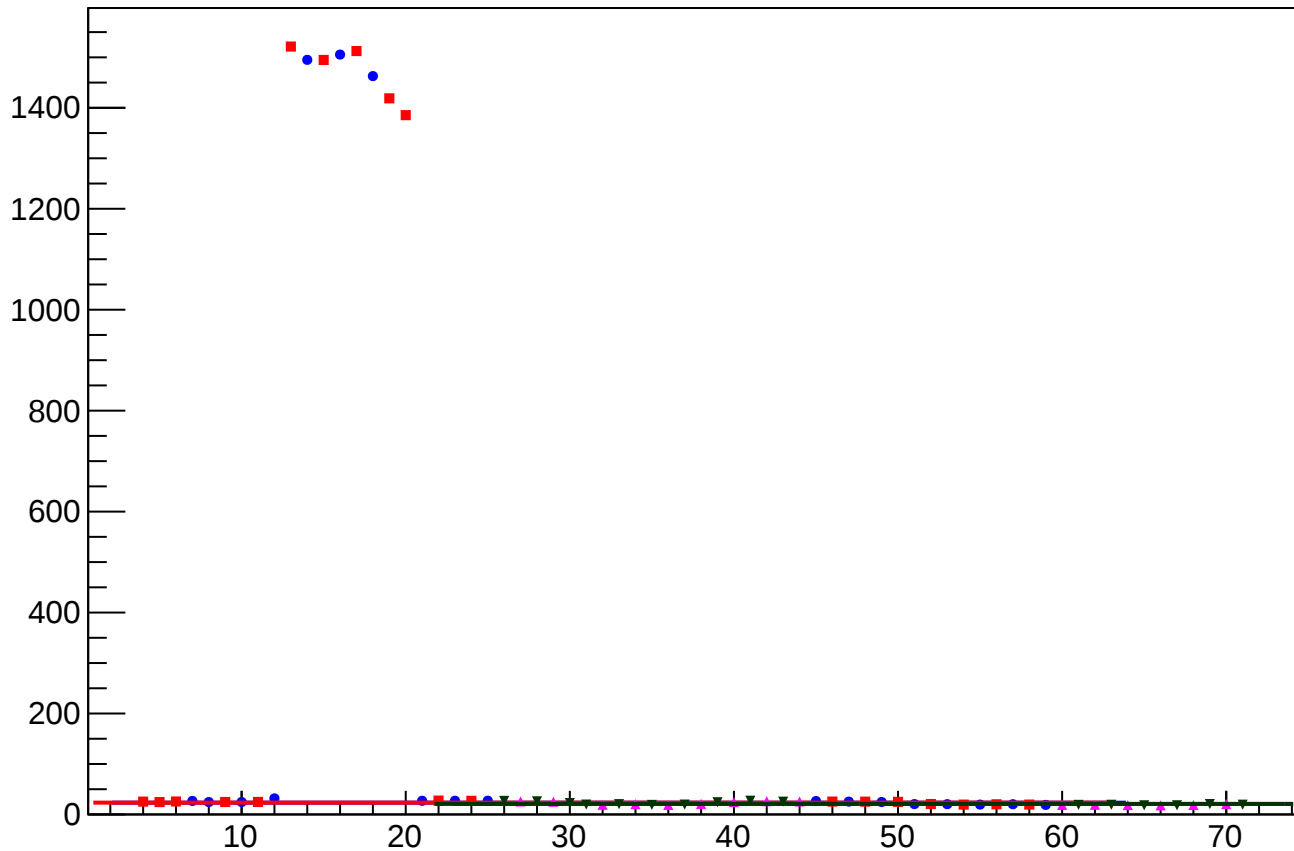
Right Out: 7.973+/-8.718 χ^2/NDF : 7.3/18

Left In: -16.384+/-7.120 χ^2/NDF : 13.1/14

0.211+/-5.356 χ^2/NDF : 25.9/33

-6.638+/-5.515 χ^2/NDF : 25.2/33

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: 20.924+/-0.005 χ^2 /NDF:315880.3/15

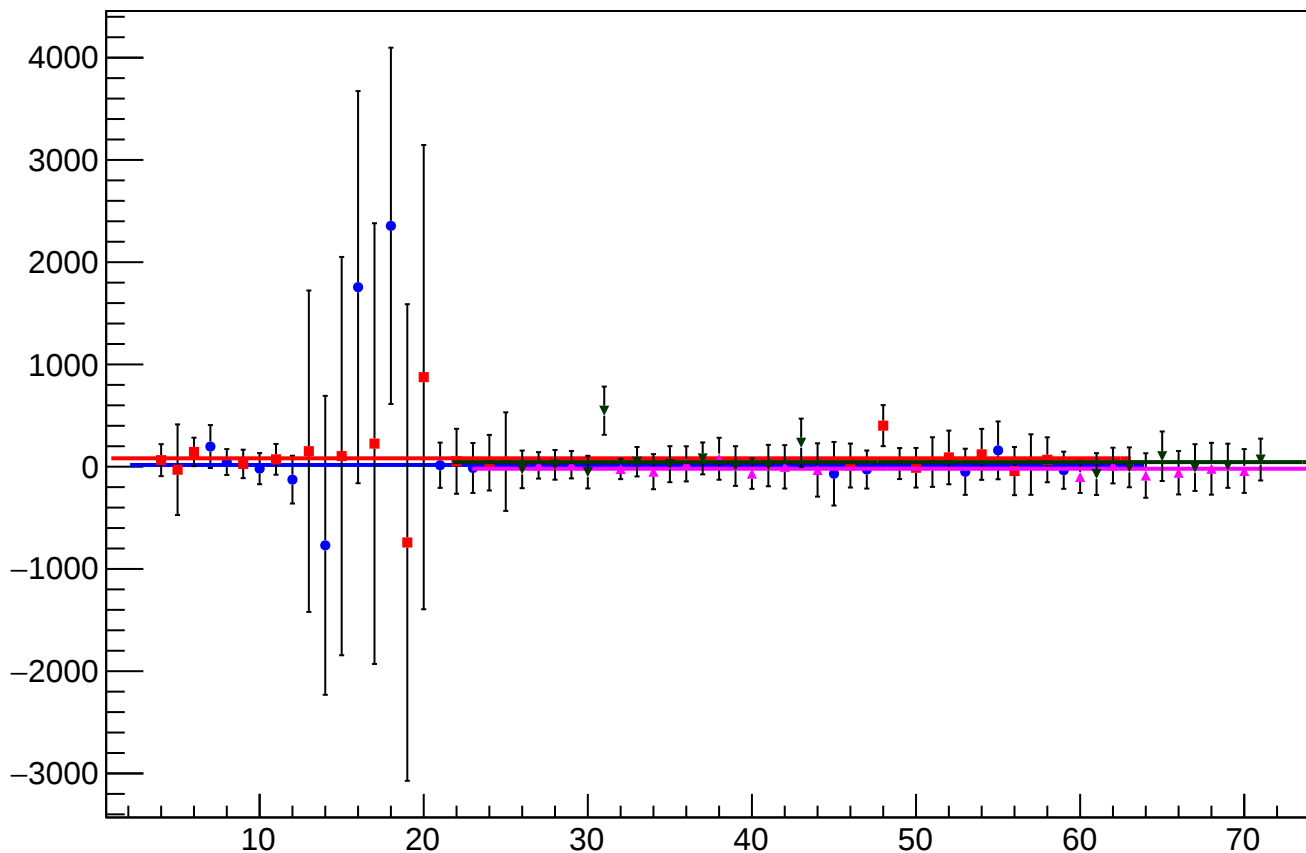
22.040+/-0.004 χ^2 /NDF: 5381944.4/33

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

21.884+/-0.004 χ^2 /NDF: 5979975.7/33

Left In: 20.842+/-0.005 χ^2 /NDF:311484.6/14

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: 44.850+/-46.791 χ^2/NDF : 6.4/15

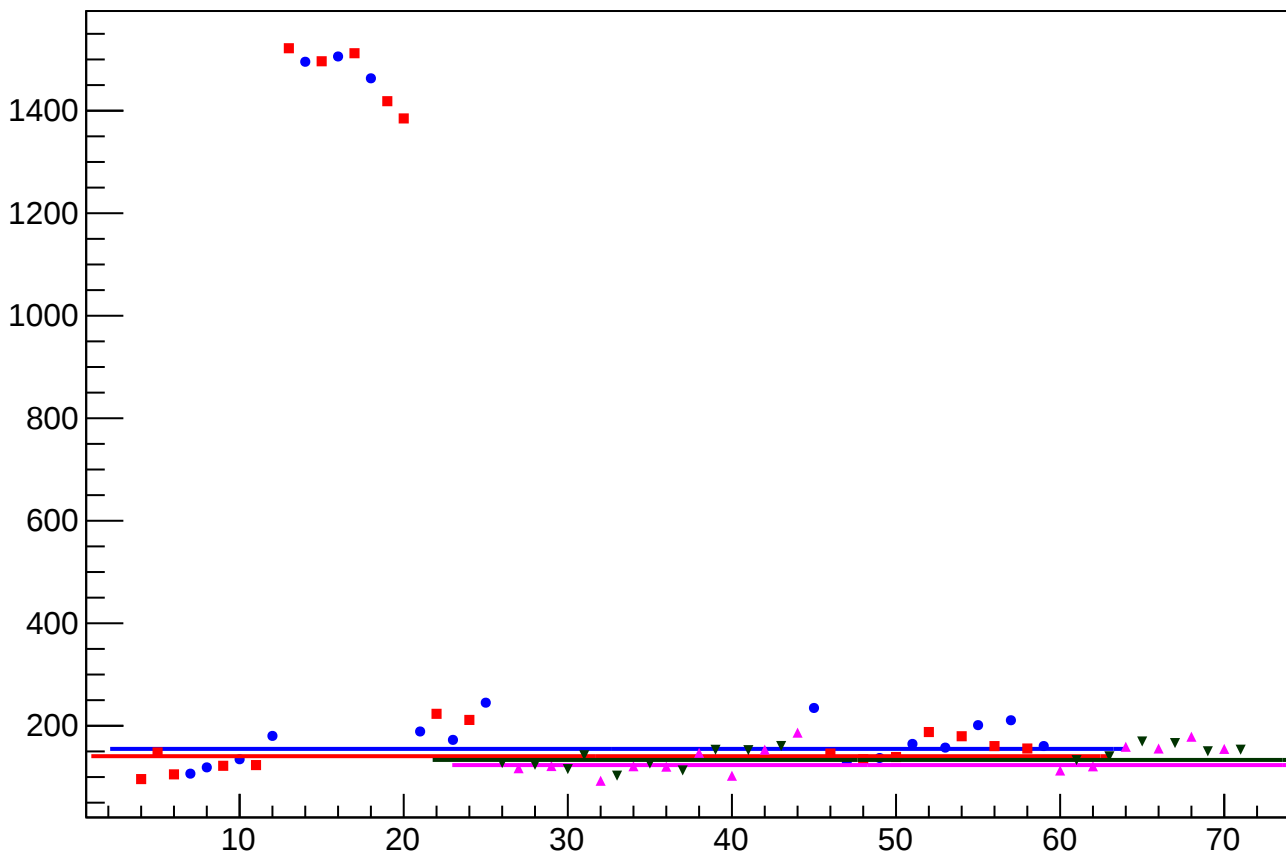
Right Out: 81.906+/-52.666 χ^2/NDF : 3.9/18

Left In: -20.144+/-42.847 χ^2/NDF : 1.0/14

32.489+/-34.927 χ^2/NDF : 11.3/33

20.500+/-33.237 χ^2/NDF : 7.2/33

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: 133.407+/-0.033 χ^2/NDF : 352252.8/15

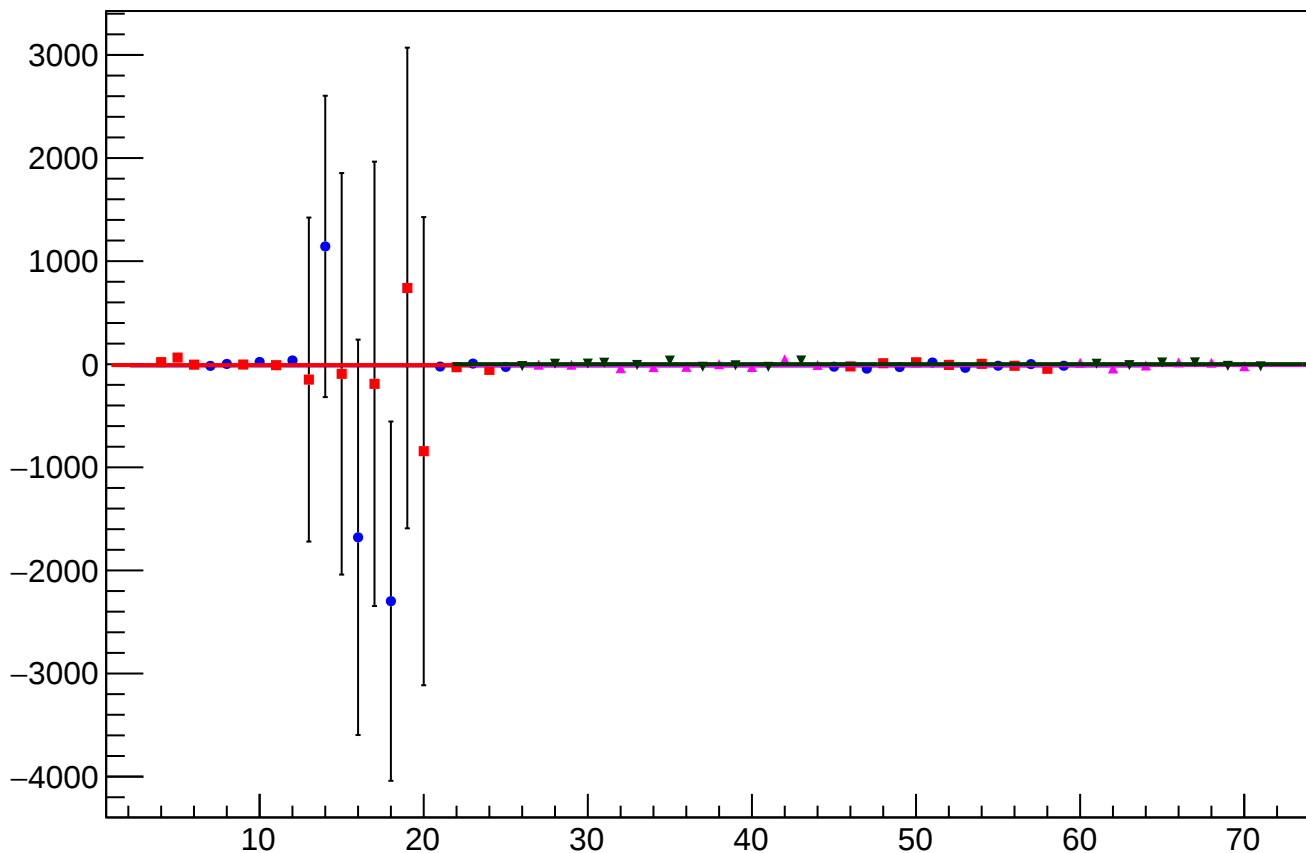
142.945+/-0.025 χ^2/NDF : 5120537.4/33

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

130.261+/-0.024 χ^2/NDF : 6090580.1/33

Left In: 123.345+/-0.030 χ^2/NDF : 667756.4/14

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: 1.053 $\pm$ 5.545 χ^2 /NDF:12.4/15

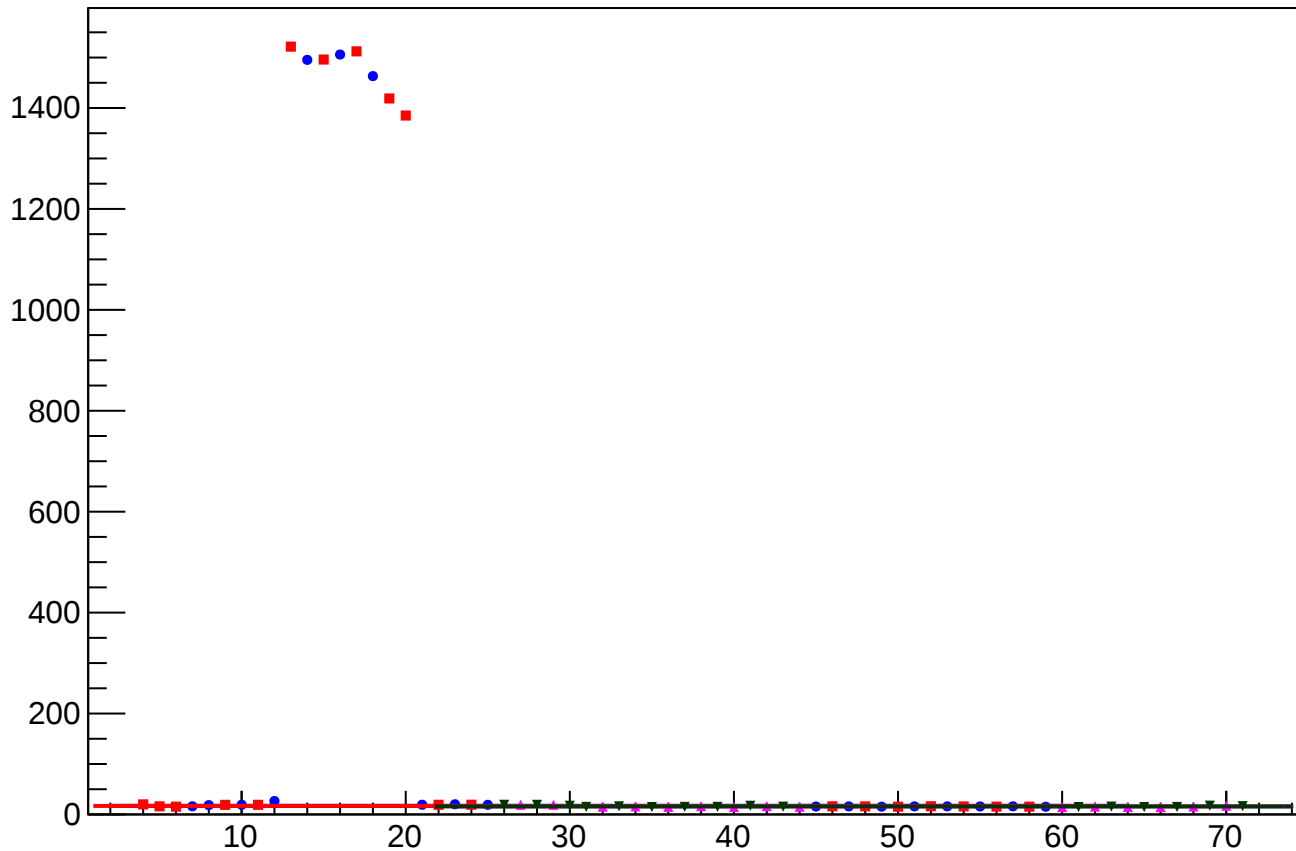
Right Out: -8.864 $\pm$ 6.293 χ^2 /NDF: 13.3/18

Left In: -8.185 $\pm$ 5.436 χ^2 /NDF:18.2/14

-4.890 $\pm$ 3.999 χ^2 /NDF: 29.7/33

-8.475 $\pm$ 4.114 χ^2 /NDF: 31.5/33

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs slug



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

Left Out: 15.936 $\pm$ 0.004 χ^2 /NDF:129152.0/15

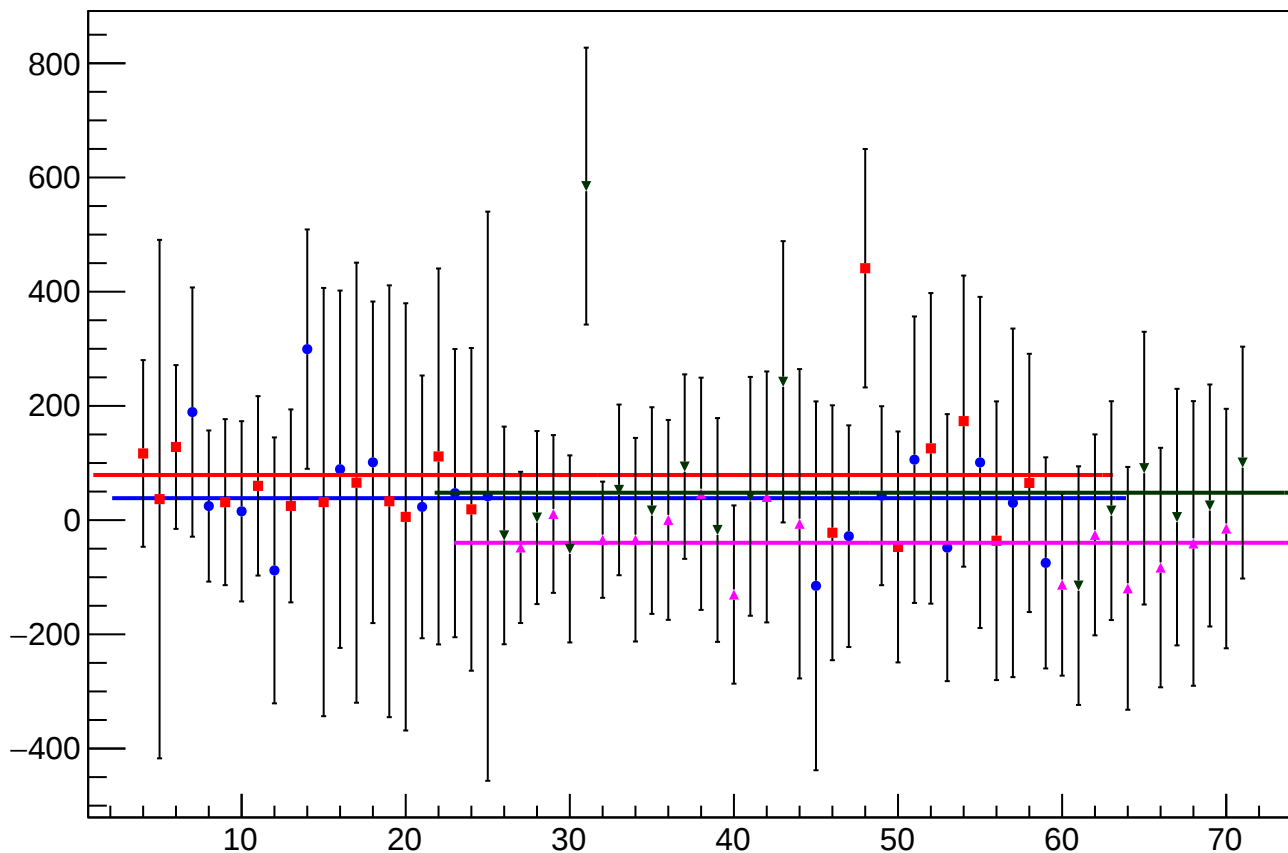
Right Out: 16.920 $\pm$ 0.004 χ^2 /NDF: 5539958.1/18

Left In: 15.969 $\pm$ 0.004 χ^2 /NDF:144442.4/14

16.492 $\pm$ 0.003 χ^2 /NDF: 5093024.8/33

16.375 $\pm$ 0.003 χ^2 /NDF: 5710533.3/33

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs slug



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

Left Out: 47.993+/-47.754 χ^2/NDF : 7.1/15

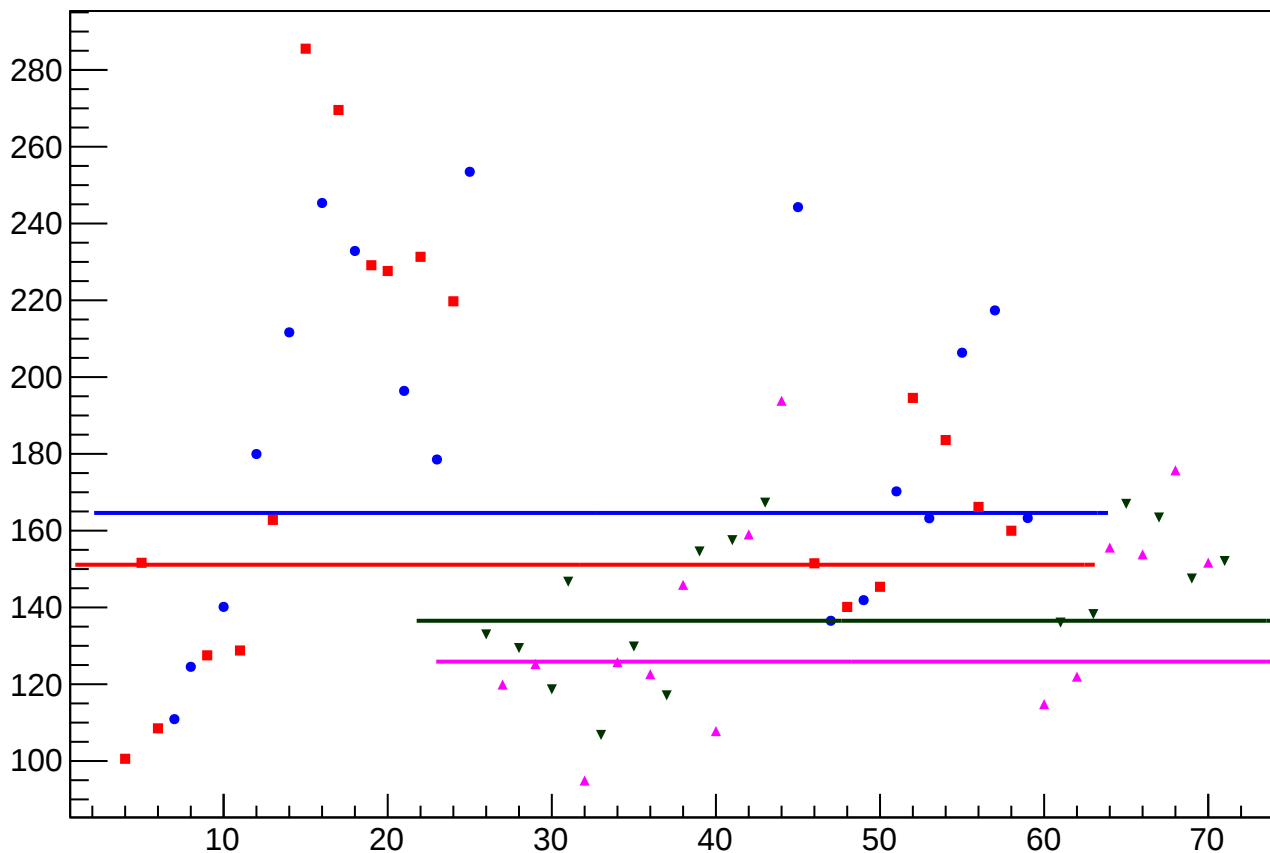
Right Out: 79.078+/-50.233 χ^2/NDF : 4.5/18

Left In: -39.661+/-43.641 χ^2/NDF : 1.3/14

43.538+/-34.871 χ^2/NDF : 10.6/33

11.410+/-32.945 χ^2/NDF : 9.0/33

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs slug



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

Left Out: 136.529 $\pm$ 0.034 χ^2 /NDF: 290130.8/15

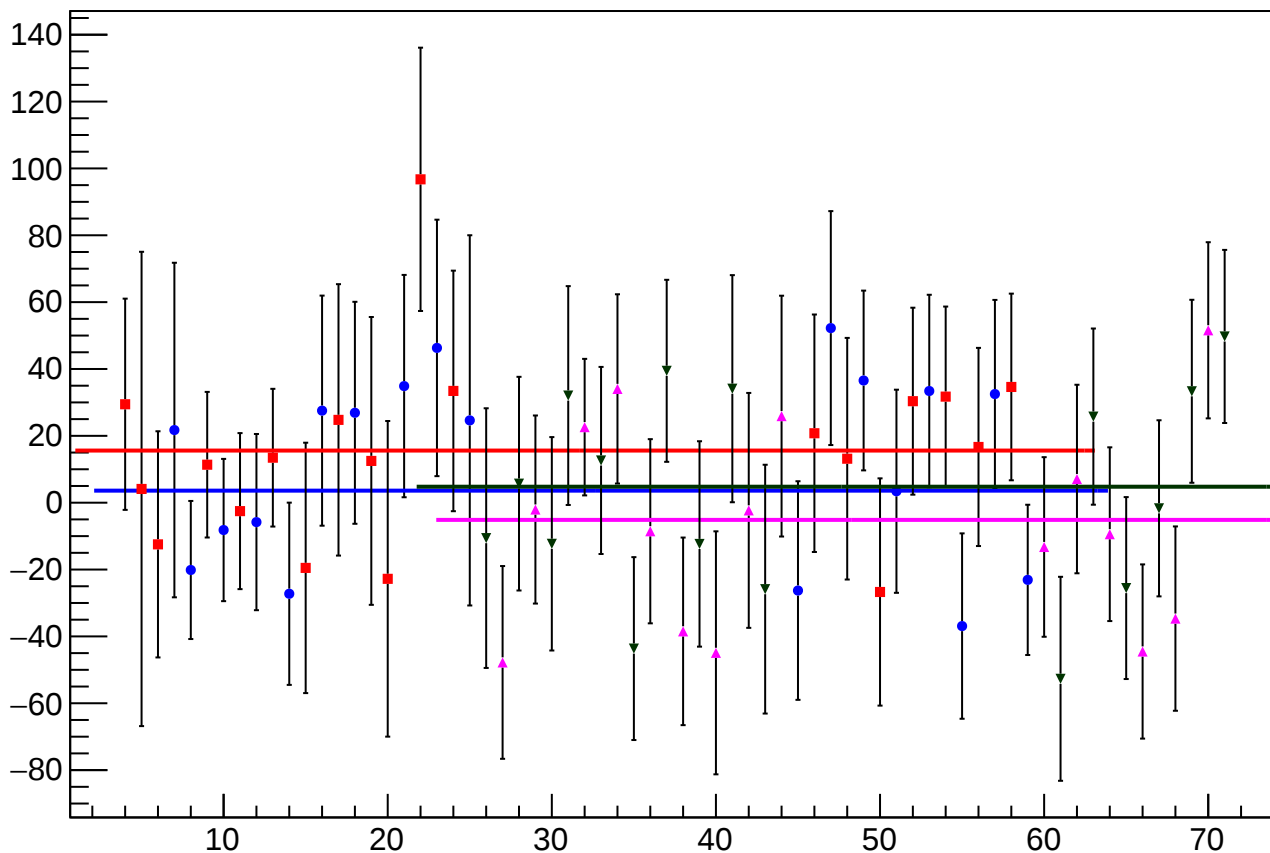
149.638 $\pm$ 0.025 χ^2 /NDF: 1741554.2/33

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

136.739 $\pm$ 0.023 χ^2 /NDF: 2314221.3/33

Left In: 125.882 $\pm$ 0.031 χ^2 /NDF: 603010.0/14

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs slug



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

Left Out: 4.781 ± 7.392 χ^2/NDF : 17.3/15

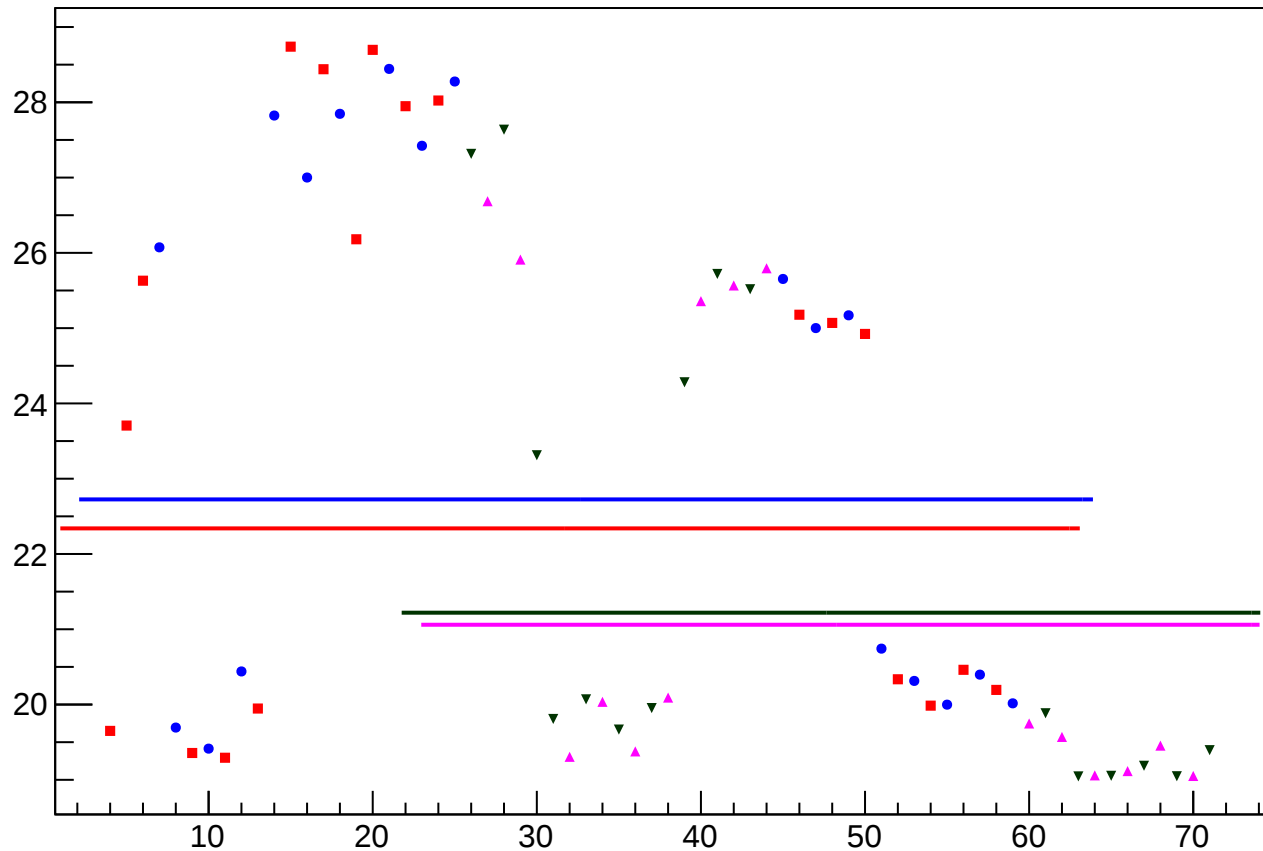
Right Out: 15.596 ± 7.143 χ^2/NDF : 10.3/18

Left In: -5.143 ± 7.182 χ^2/NDF : 17.7/14

4.148 ± 5.021 χ^2/NDF : 33.7/33

5.283 ± 5.064 χ^2/NDF : 32.2/33

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: 21.220+/-0.005 χ^2/NDF : 302503.1/15

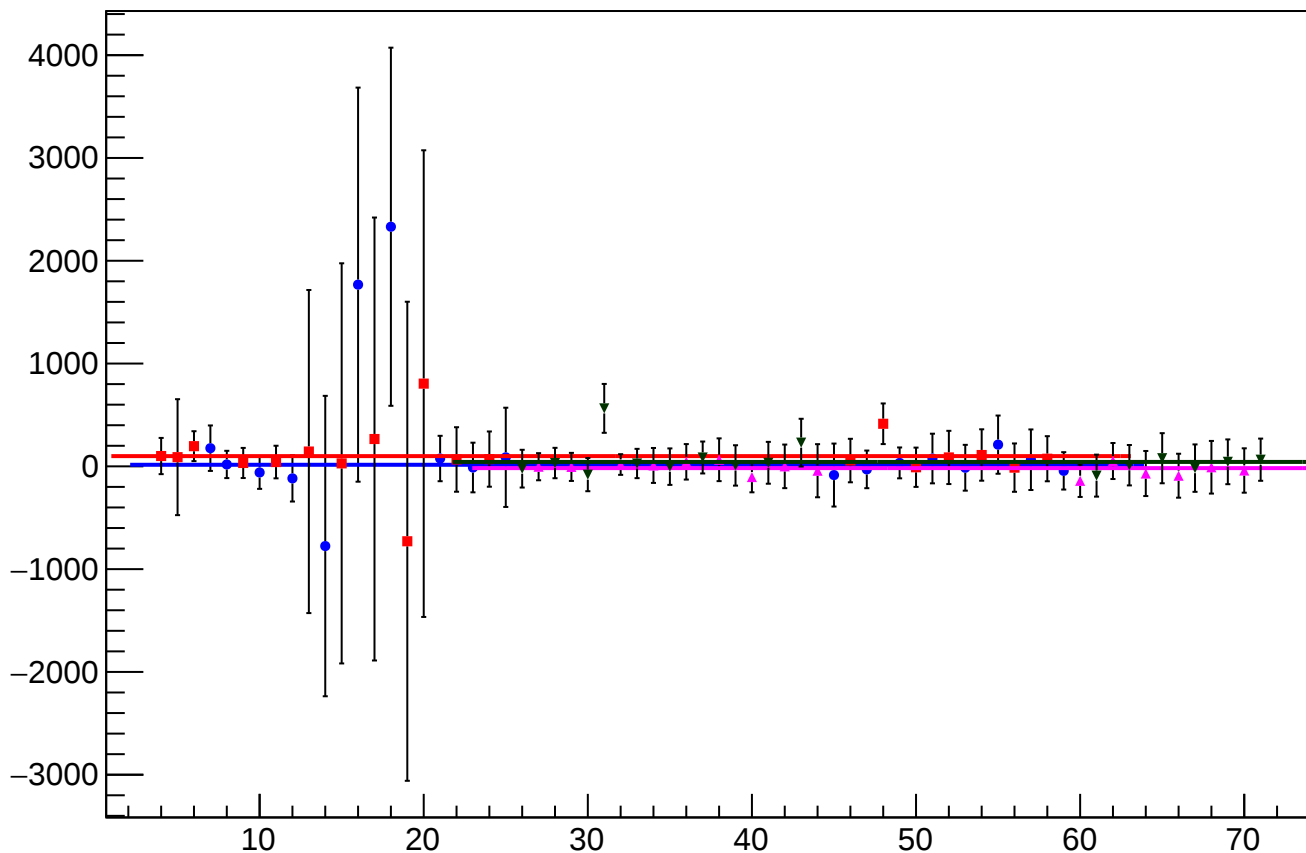
Right Out: 22.340+/-0.005 χ^2/NDF : 460008.2/18

Left In: 21.060+/-0.005 χ^2/NDF : 309976.3/14

22.031+/-0.004 χ^2/NDF : 845918.3/33

21.703+/-0.004 χ^2/NDF : 801921.7/33

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: 42.981+/-46.989 χ^2/NDF : 6.9/15

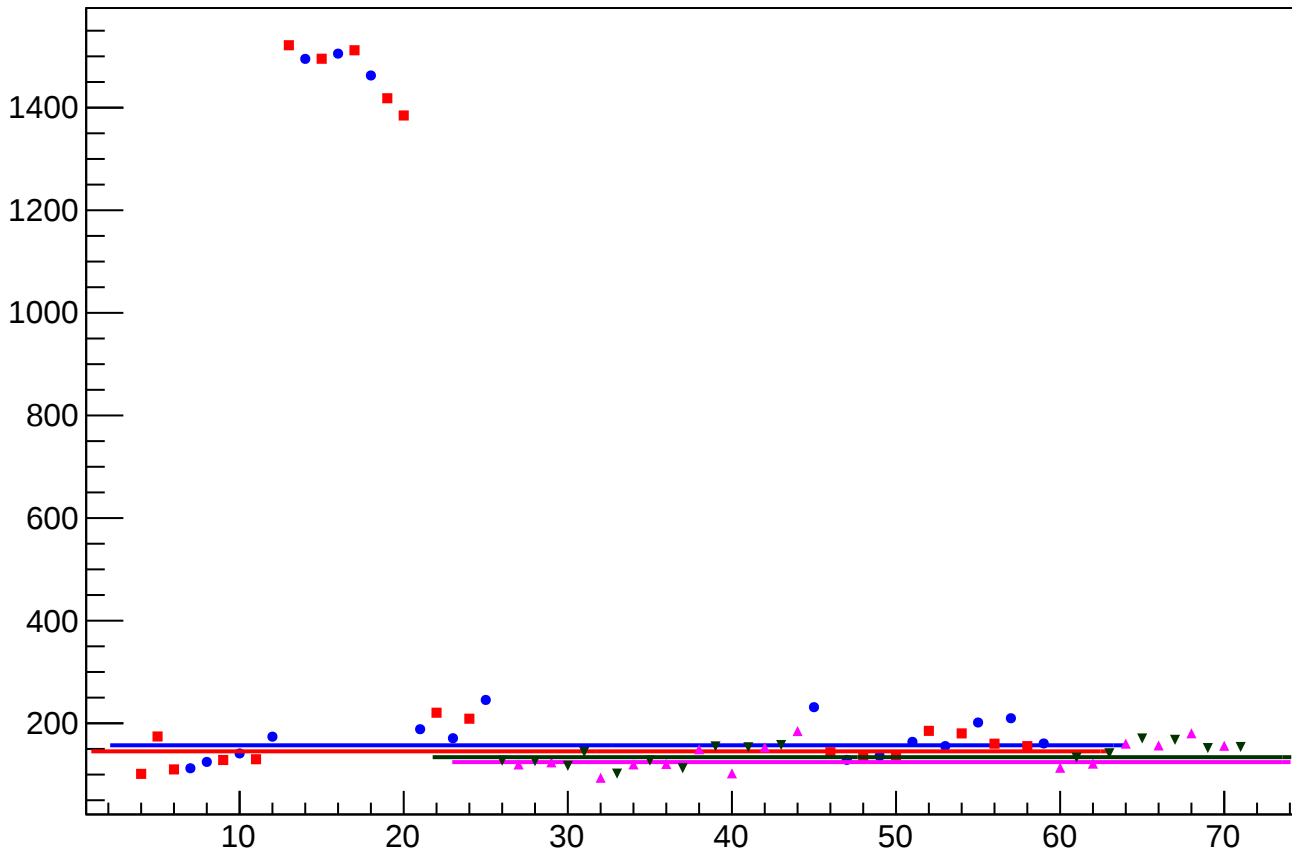
Right Out: 99.514+/-54.286 χ^2/NDF : 4.2/18

Left In: -17.347+/-43.174 χ^2/NDF : 1.8/14

30.758+/-35.166 χ^2/NDF : 12.0/33

27.930+/-33.790 χ^2/NDF : 8.8/33

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: 133.934+/-0.033 χ^2/NDF :360868.1/15

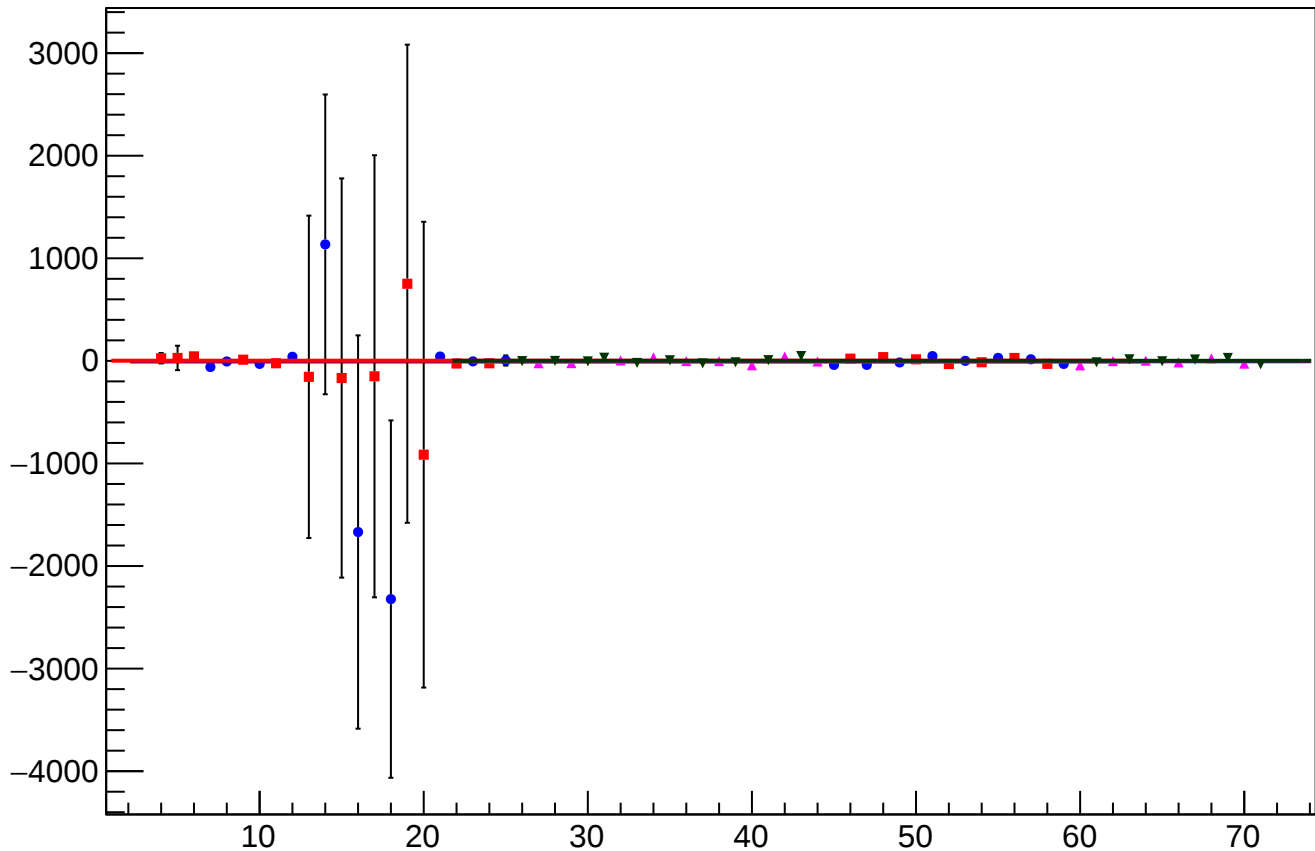
144.120+/-0.025 χ^2/NDF : 5031289.5/33

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

132.461+/-0.024 χ^2/NDF : 5965272.2/33

Left In: 124.342+/-0.031 χ^2/NDF :658537.7/14

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs slug



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

Left Out: 0.762+/-7.192 χ^2/NDF : 8.5/15

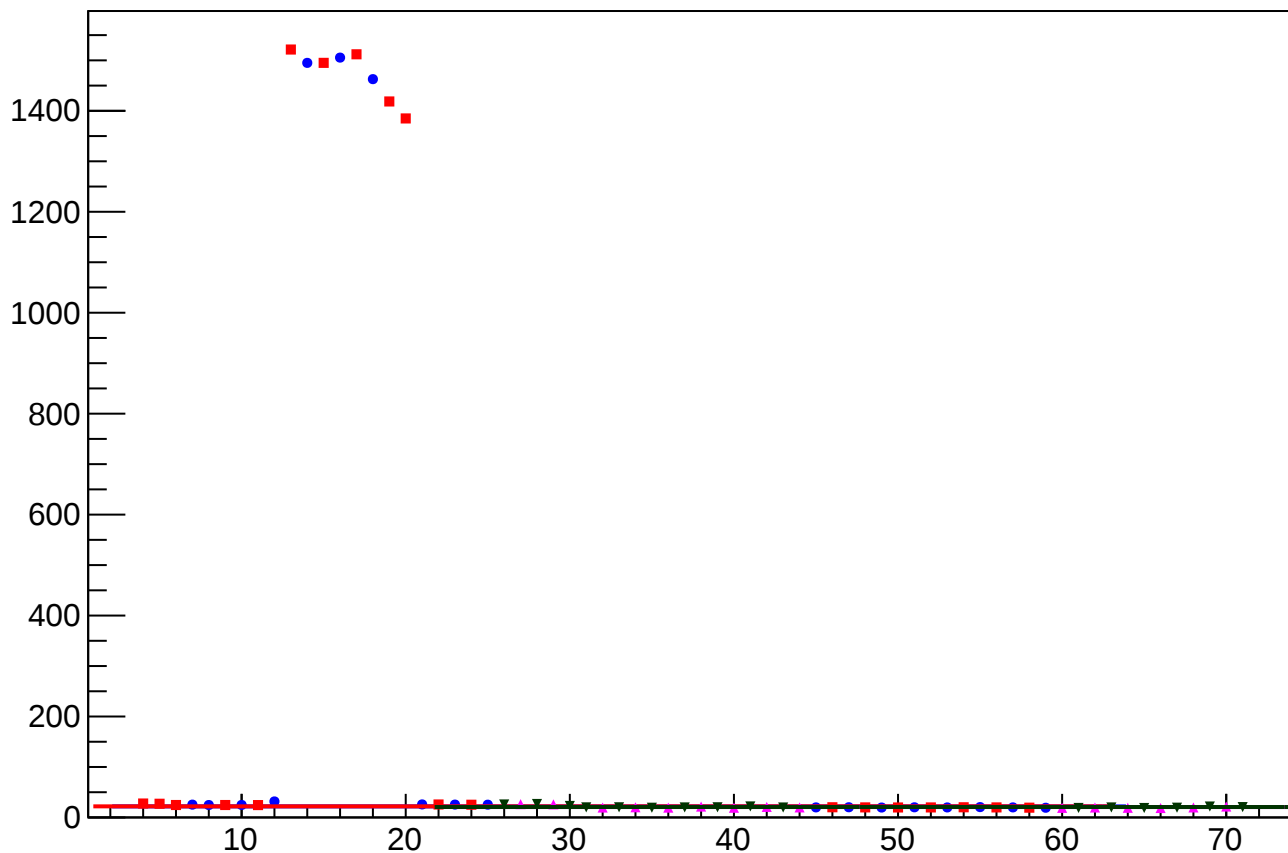
Right Out: 1.722+/-8.261 χ^2/NDF : 10.4/18

Left In: -5.186+/-7.019 χ^2/NDF : 11.5/14

-2.363+/-5.154 χ^2/NDF : 27.6/33

-2.290+/-5.349 χ^2/NDF : 22.2/33

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: 20.681 $\pm$ 0.005 χ^2 /NDF:165525.4/15

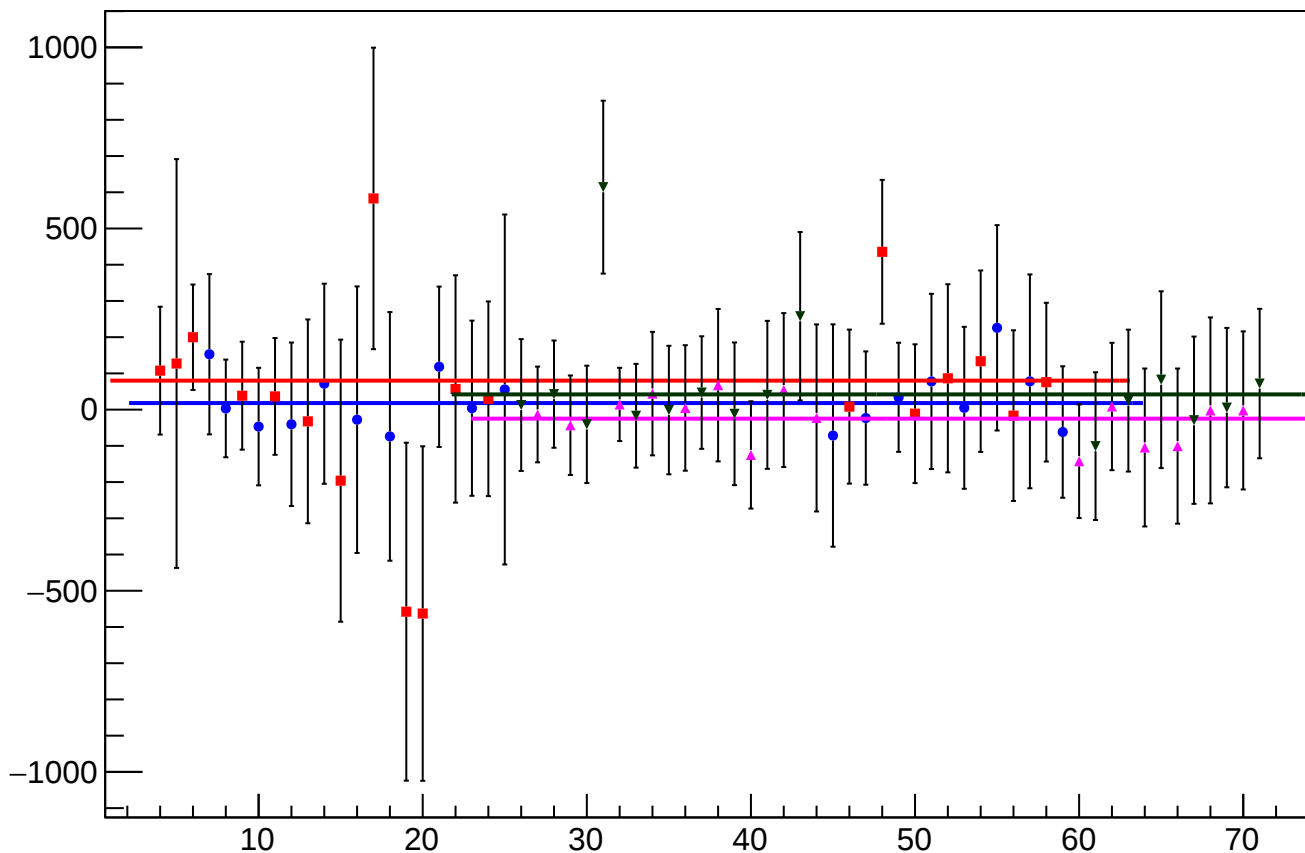
Right Out: 21.987 $\pm$ 0.006 χ^2 /NDF: 5559967.3/18

Left In: 20.620 $\pm$ 0.005 χ^2 /NDF:202022.1/14

21.283 $\pm$ 0.004 χ^2 /NDF: 5126054.9/33

21.193 $\pm$ 0.004 χ^2 /NDF: 5793773.3/33

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs slug



Right In: 18.106 $\pm$ 51.332 χ^2 /NDF: 1.9/17

Left Out: 42.050 $\pm$ 47.059 χ^2 /NDF: 7.9/15

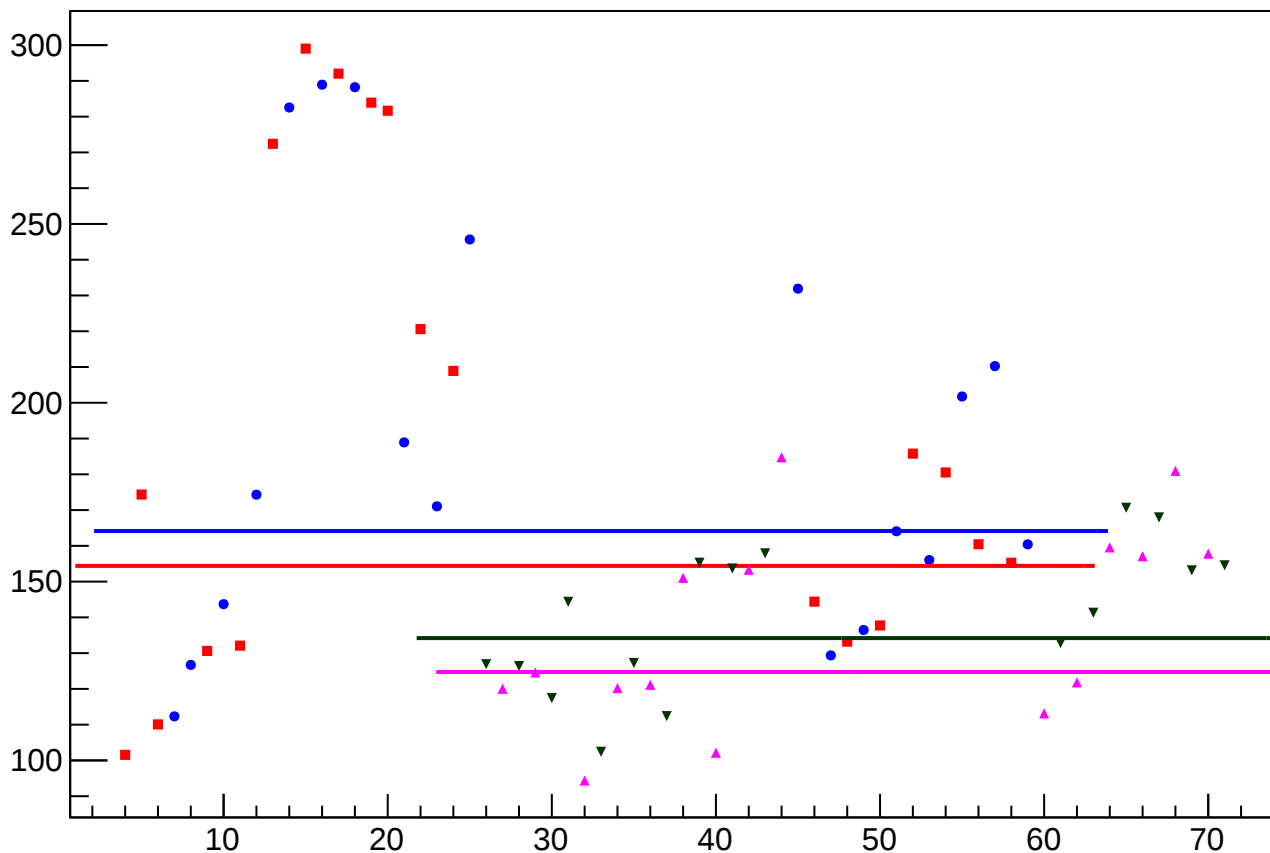
Right Out: 80.043 $\pm$ 52.081 χ^2 /NDF: 10.6/18

Left In: -24.907 $\pm$ 43.305 χ^2 /NDF: 2.0/14

31.116 $\pm$ 34.688 χ^2 /NDF: 9.9/33

17.993 $\pm$ 33.298 χ^2 /NDF: 15.0/33

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: 134.207 $\pm$ 0.033 χ^2 /NDF: 361110.8/15

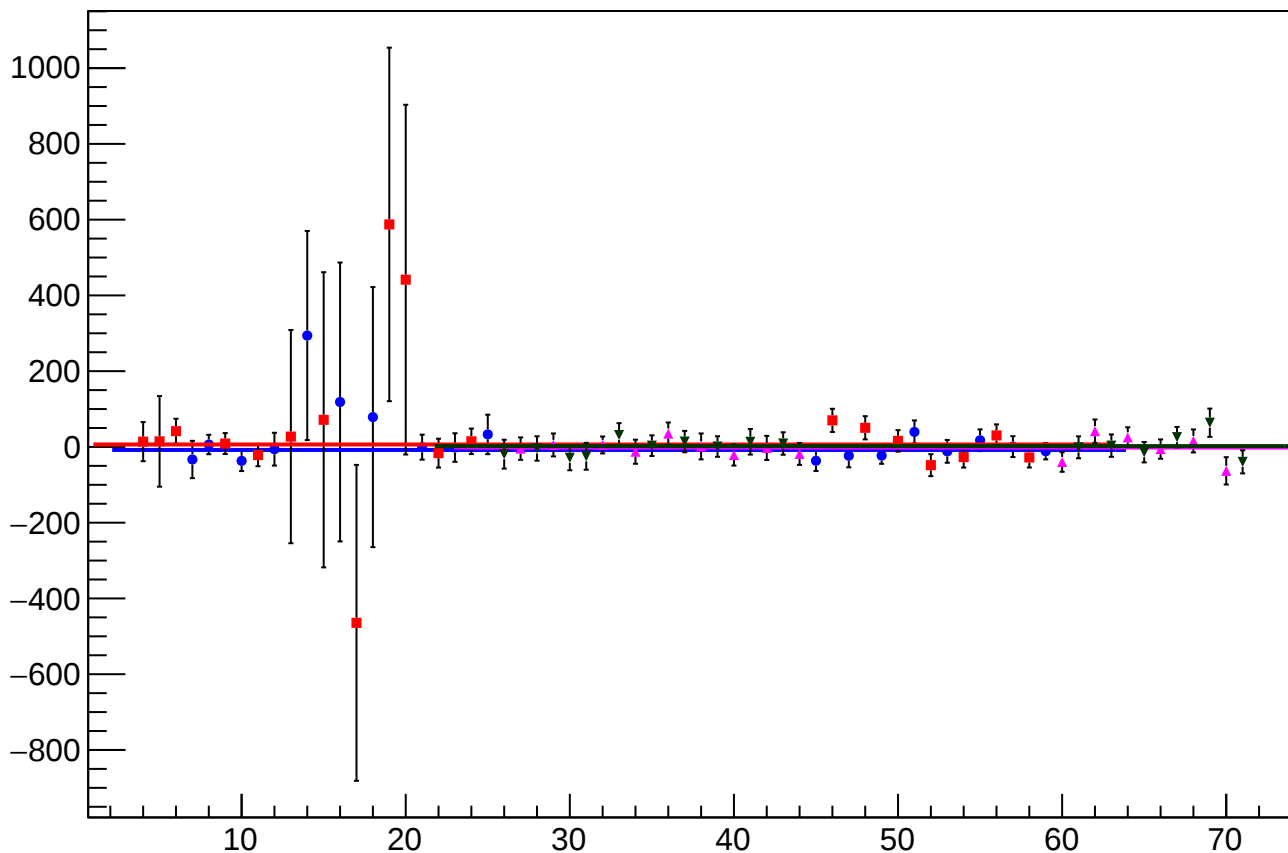
Right Out: 154.395 $\pm$ 0.037 χ^2 /NDF: 1875575.3/18

Left In: 124.739 $\pm$ 0.031 χ^2 /NDF: 657211.1/14

147.876 $\pm$ 0.025 χ^2 /NDF: 2297170.3/33

136.861 $\pm$ 0.024 χ^2 /NDF: 2916190.8/33

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: 2.156+/-7.613 χ^2 /NDF:8.8/15

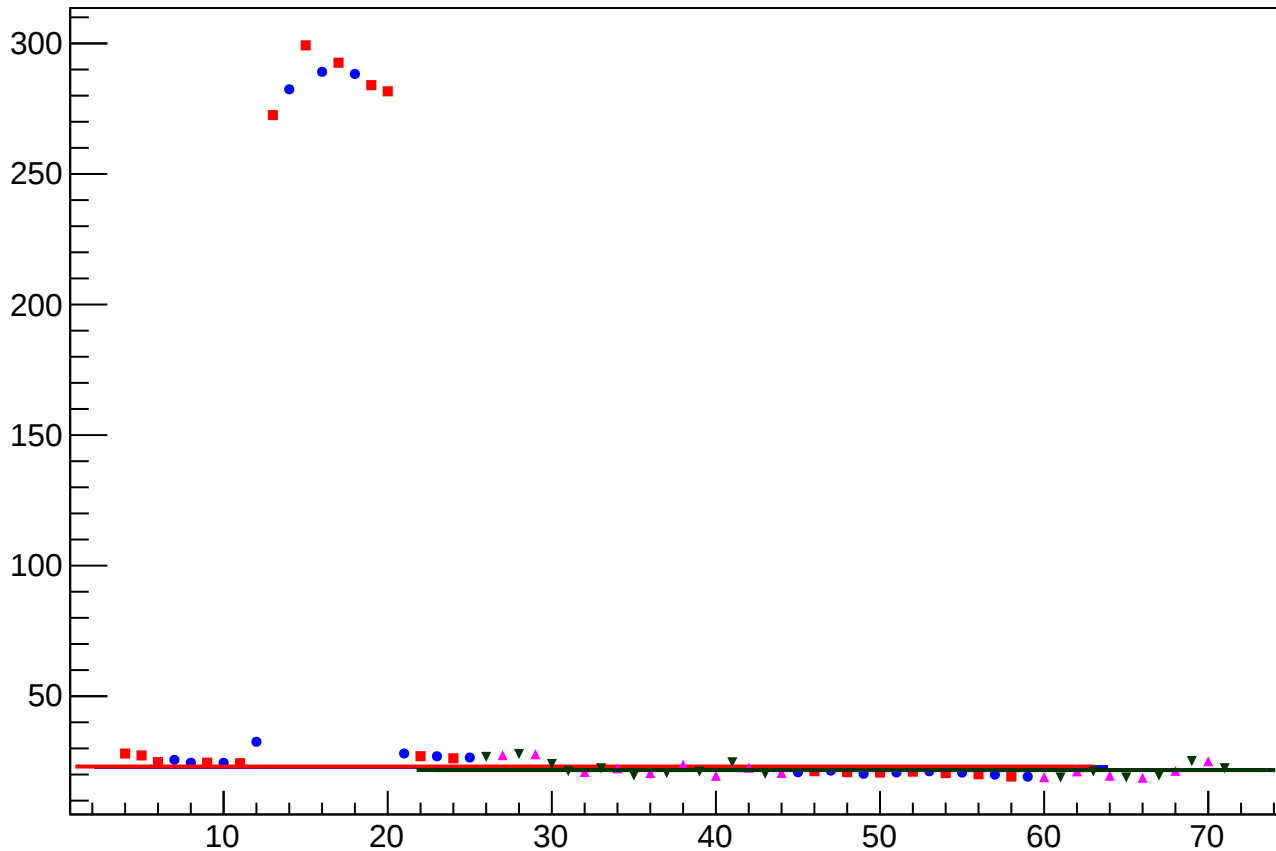
Right Out: 6.463+/-8.479 χ^2 /NDF: 20.1/18

Left In: -1.757+/-7.445 χ^2 /NDF:11.1/14

-2.919+/-5.380 χ^2 /NDF: 18.7/33

1.822+/-5.594 χ^2 /NDF: 31.7/33

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: 21.731+/-0.005 χ^2/NDF : 227187.2/15

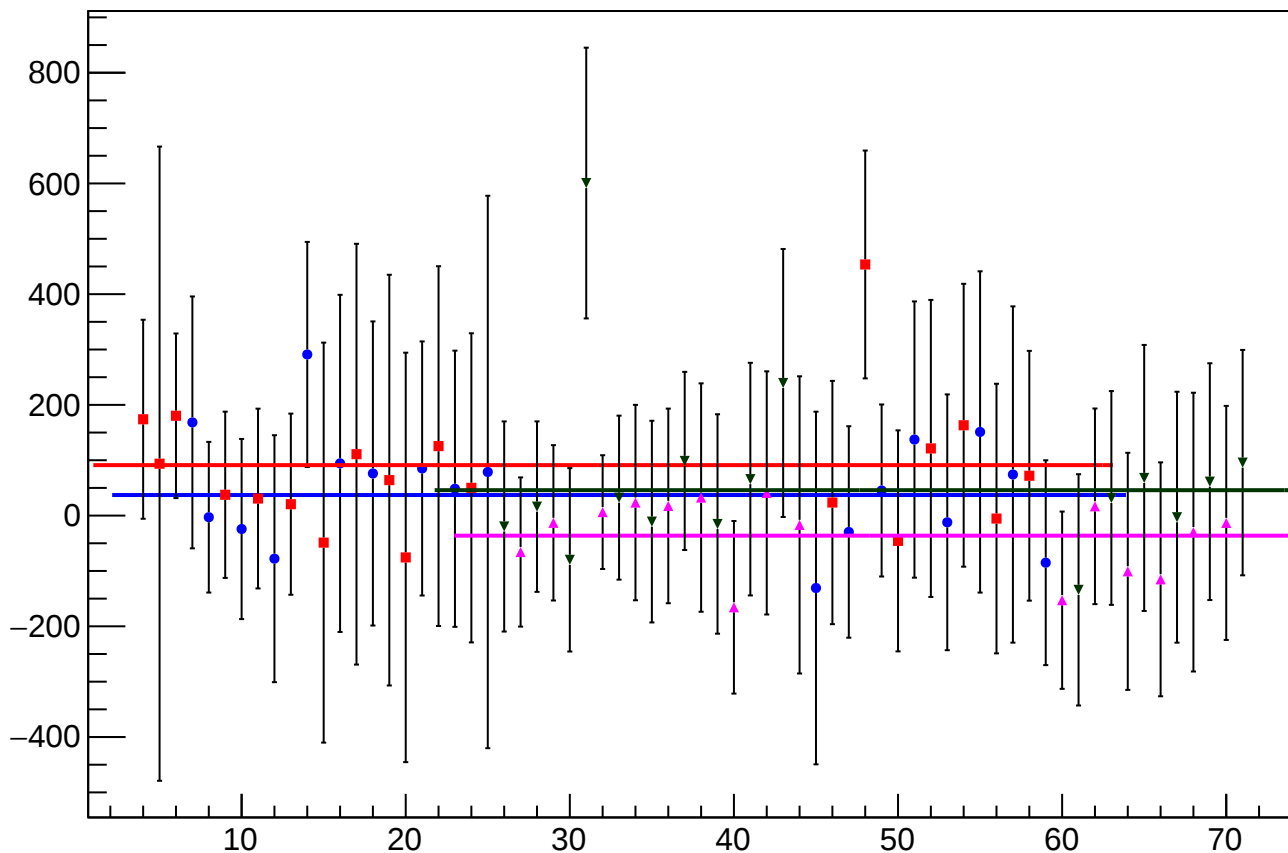
22.293+/-0.004 χ^2/NDF : 4612499.3/33

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

22.292+/-0.004 χ^2/NDF : 5151195.3/33

Left In: 21.693+/-0.005 χ^2/NDF : 264760.0/14

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: 45.915+/-47.938 χ^2/NDF : 7.7/15

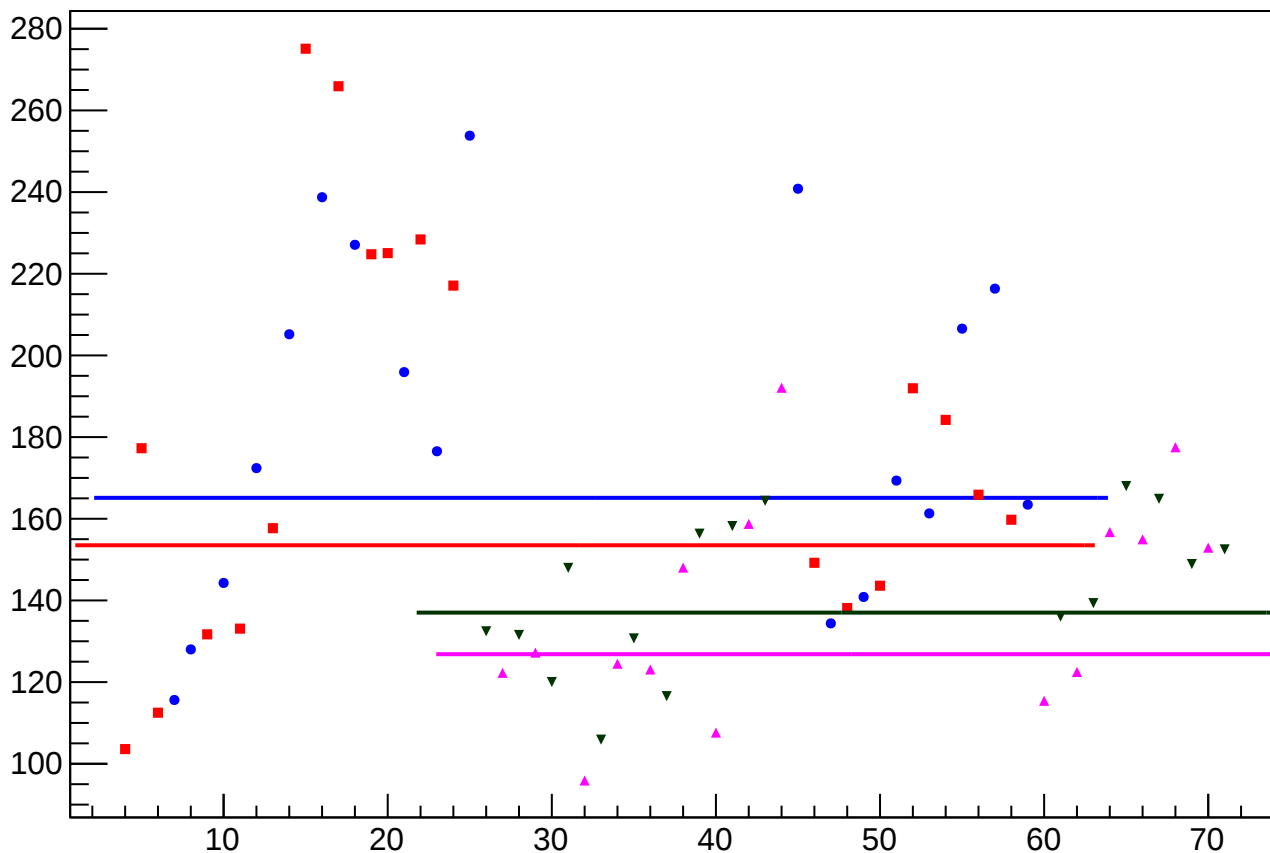
Right Out: 91.157+/-50.934 χ^2/NDF : 5.3/18

Left In: -36.251+/-43.951 χ^2/NDF : 2.2/14

41.808+/-34.942 χ^2/NDF : 11.4/33

18.128+/-33.275 χ^2/NDF : 11.2/33

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: 137.019+/-0.034 χ^2/NDF : 298257.8/15

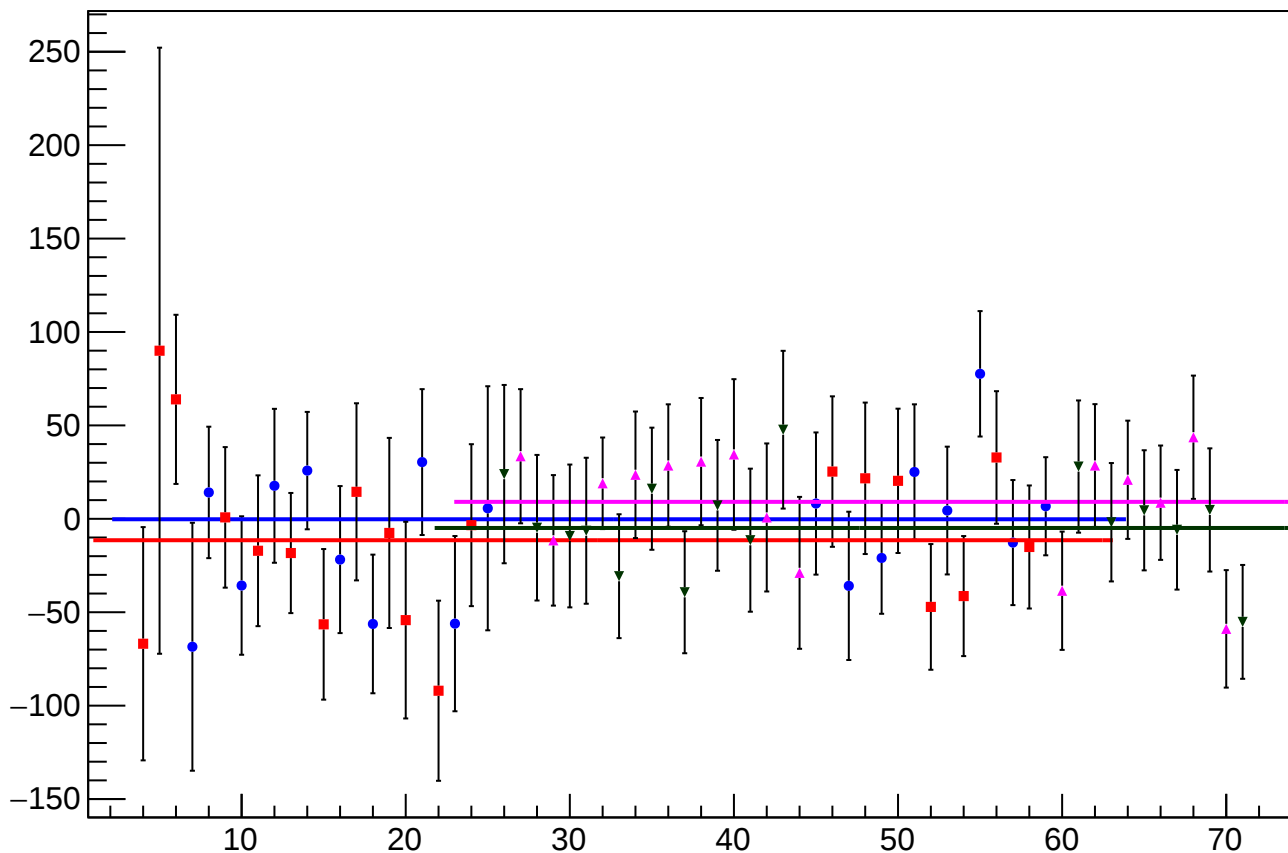
150.193+/-0.025 χ^2/NDF : 1611149.8/33

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

138.220+/-0.024 χ^2/NDF : 2146992.8/33

Left In: 126.835+/-0.031 χ^2/NDF : 593990.4/14

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: -4.902 ± 8.765 χ^2/NDF : 8.0/15

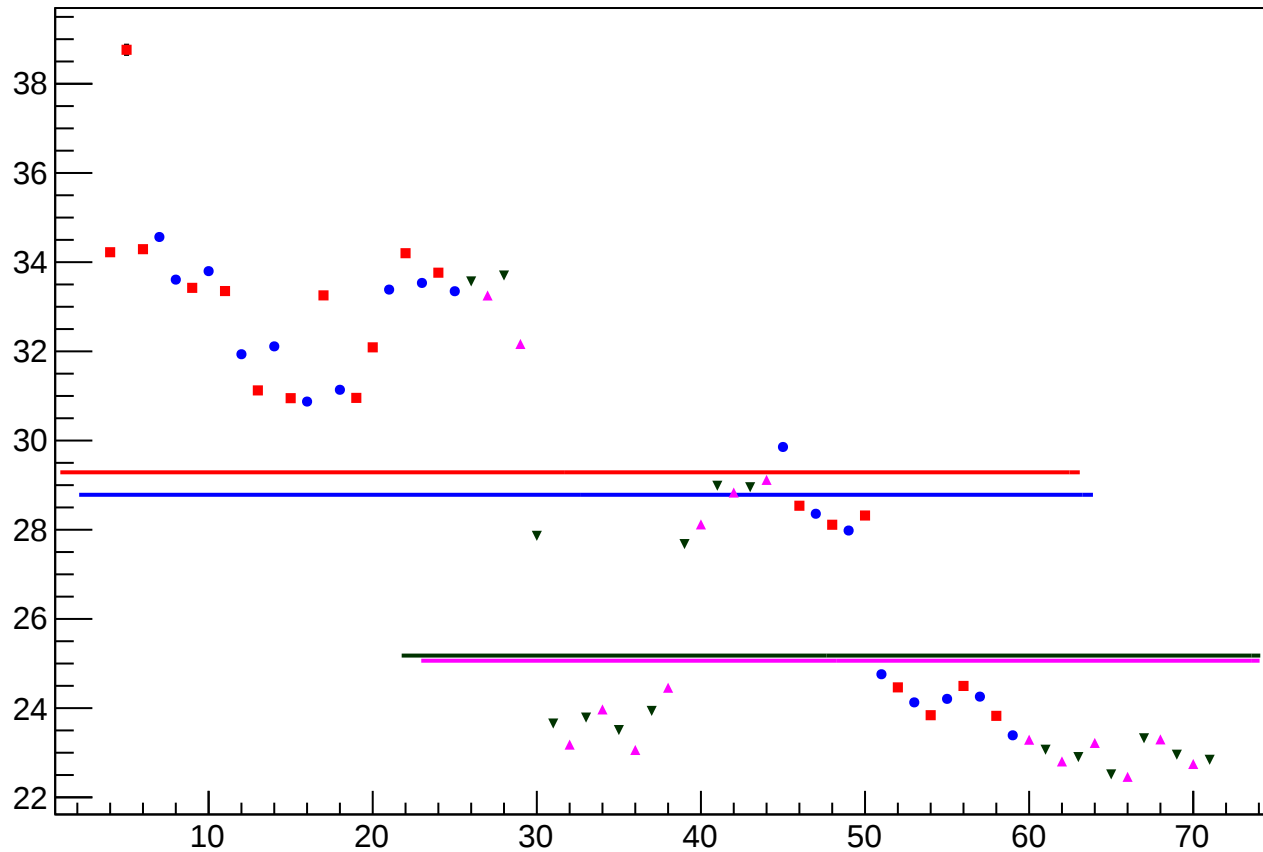
Right Out: -11.462 ± 9.405 χ^2/NDF : 14.9/18

Left In: 9.080 ± 8.542 χ^2/NDF : 11.7/14

-2.538 ± 6.155 χ^2/NDF : 23.2/33

-0.206 ± 6.323 χ^2/NDF : 29.3/33

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: 25.178 $\pm$ 0.006 χ^2 /NDF: 286757.1/15

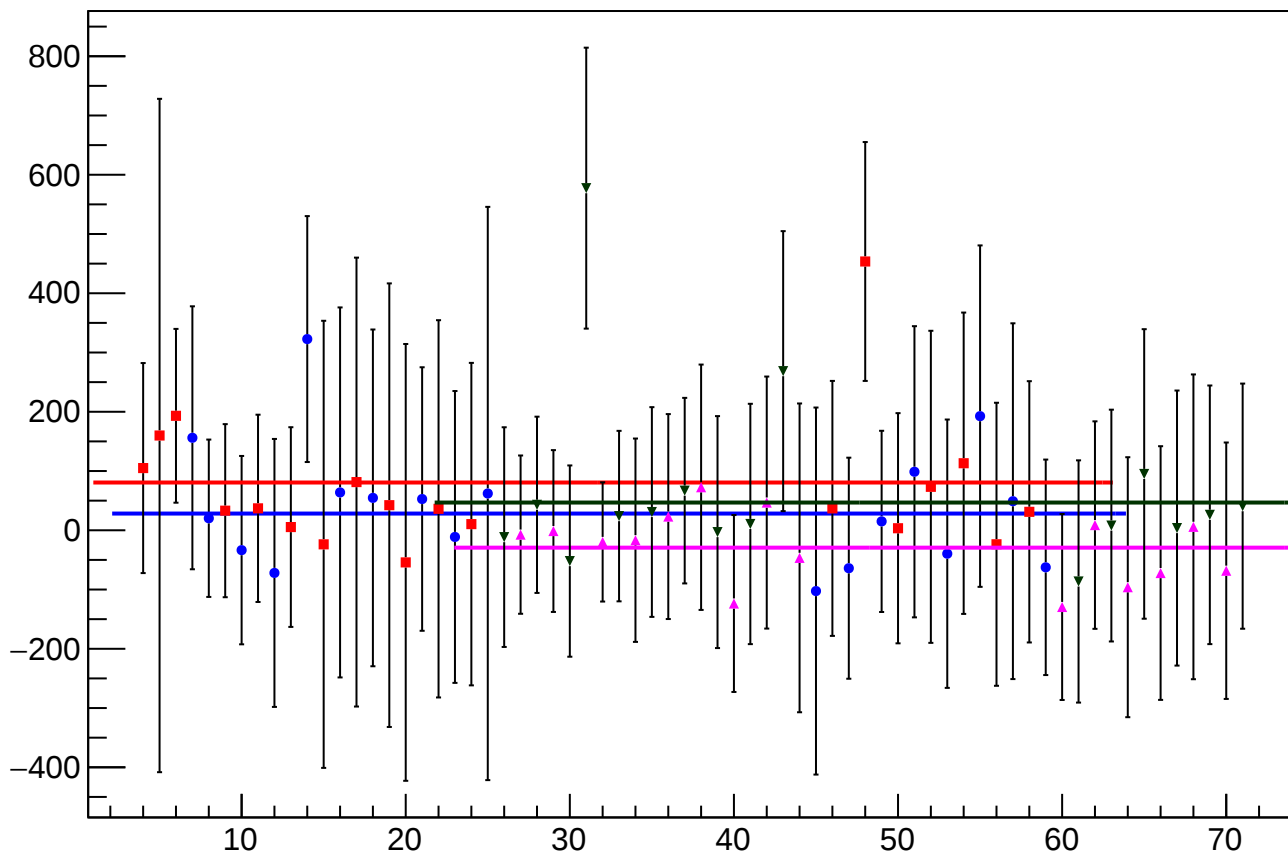
Right Out: 29.288 $\pm$ 0.007 χ^2 /NDF: 355757.4/18

Left In: 25.063 $\pm$ 0.006 χ^2 /NDF: 311748.5/14

27.006 $\pm$ 0.004 χ^2 /NDF: 876767.7/33

26.973 $\pm$ 0.004 χ^2 /NDF: 888616.0/33

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: 46.814+/-47.160 χ^2/NDF : 7.1/15

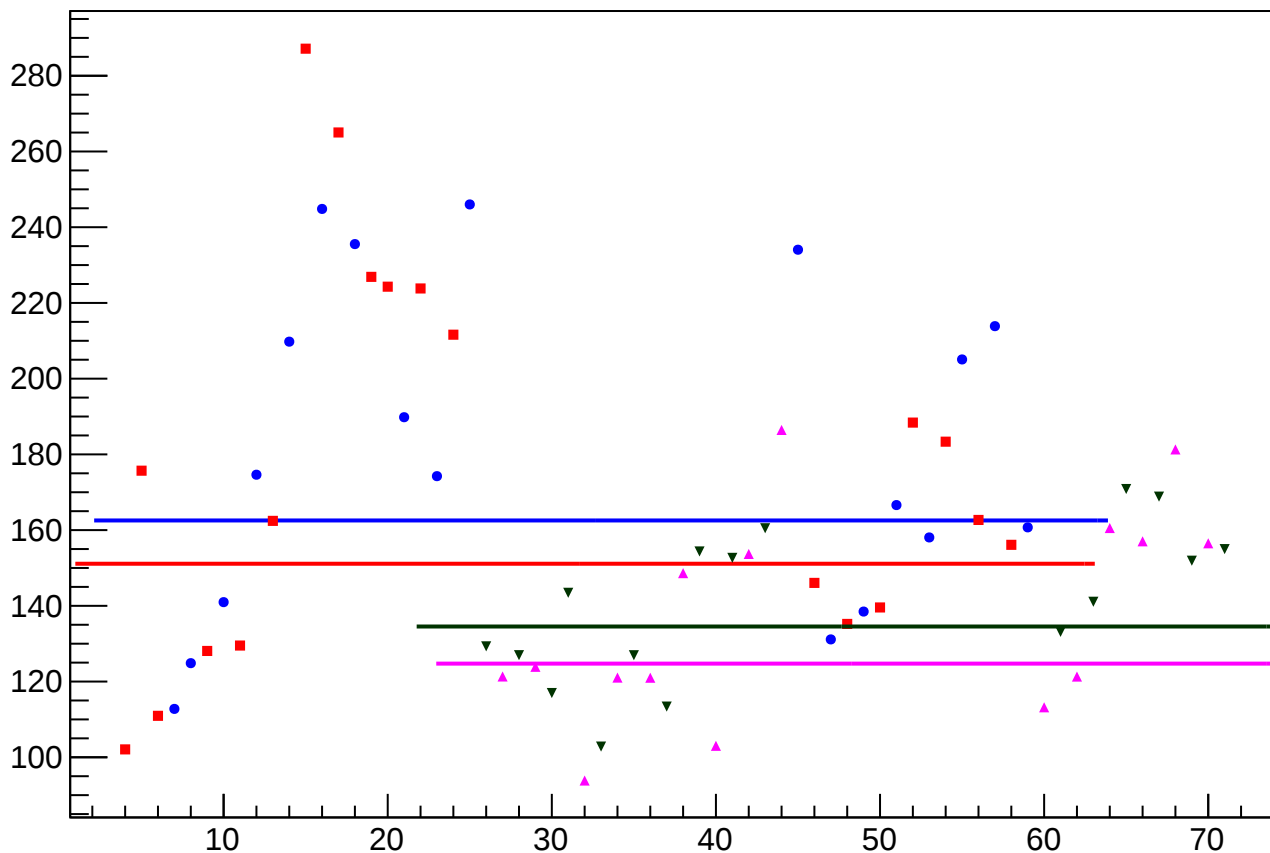
Right Out: 80.614+/-50.242 χ^2/NDF : 5.2/18

Left In: -29.319+/-43.304 χ^2/NDF : 1.6/14

38.128+/-34.421 χ^2/NDF : 11.1/33

17.539+/-32.802 χ^2/NDF : 9.5/33

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs slug



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

Left Out: 134.539 $\pm$ 0.033 χ^2 /NDF: 353709.3/15

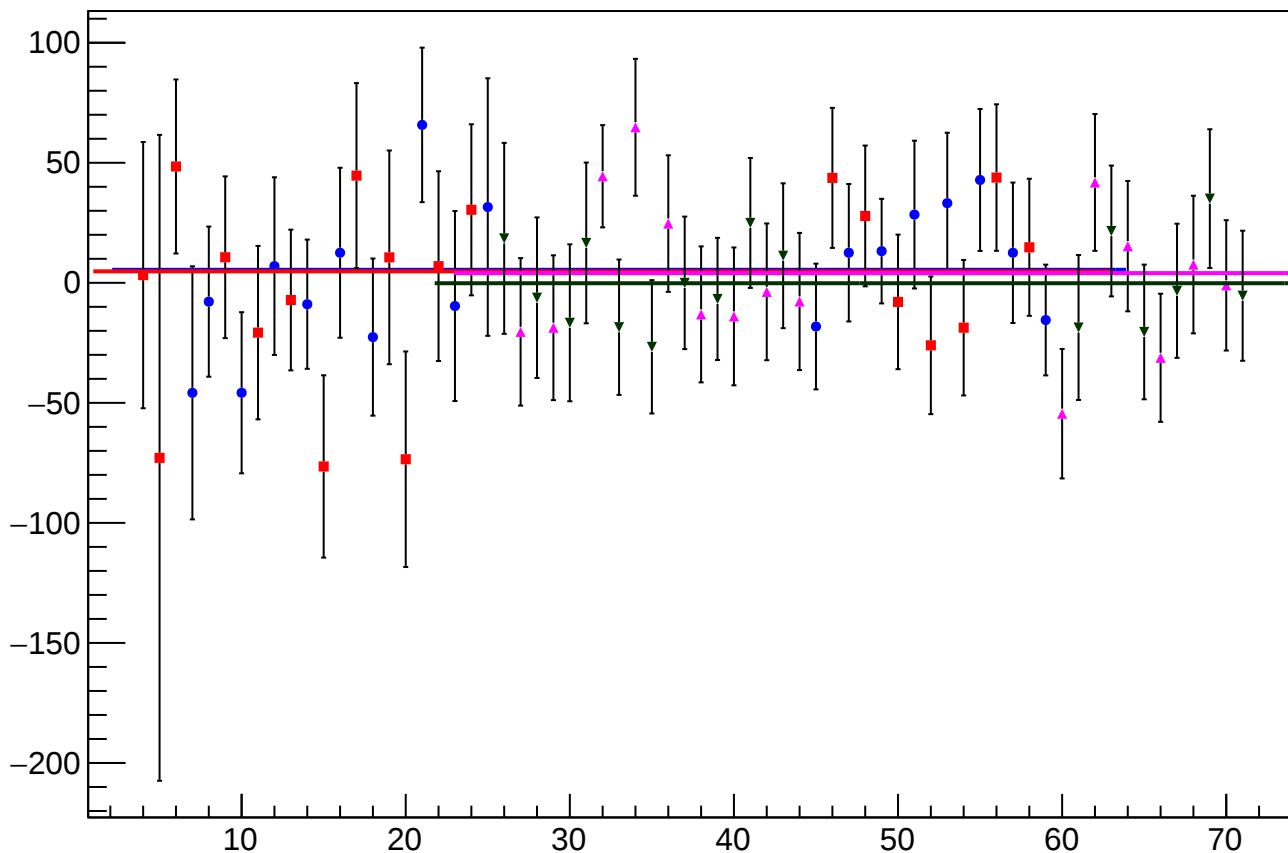
147.628 $\pm$ 0.024 χ^2 /NDF: 1772679.4/33

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

135.982 $\pm$ 0.023 χ^2 /NDF: 2283013.7/33

Left In: 124.738 $\pm$ 0.031 χ^2 /NDF: 660227.1/14

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs slug



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

Left Out: -0.174 ± 7.295 $\chi^2/\text{NDF}: 6.2/15$

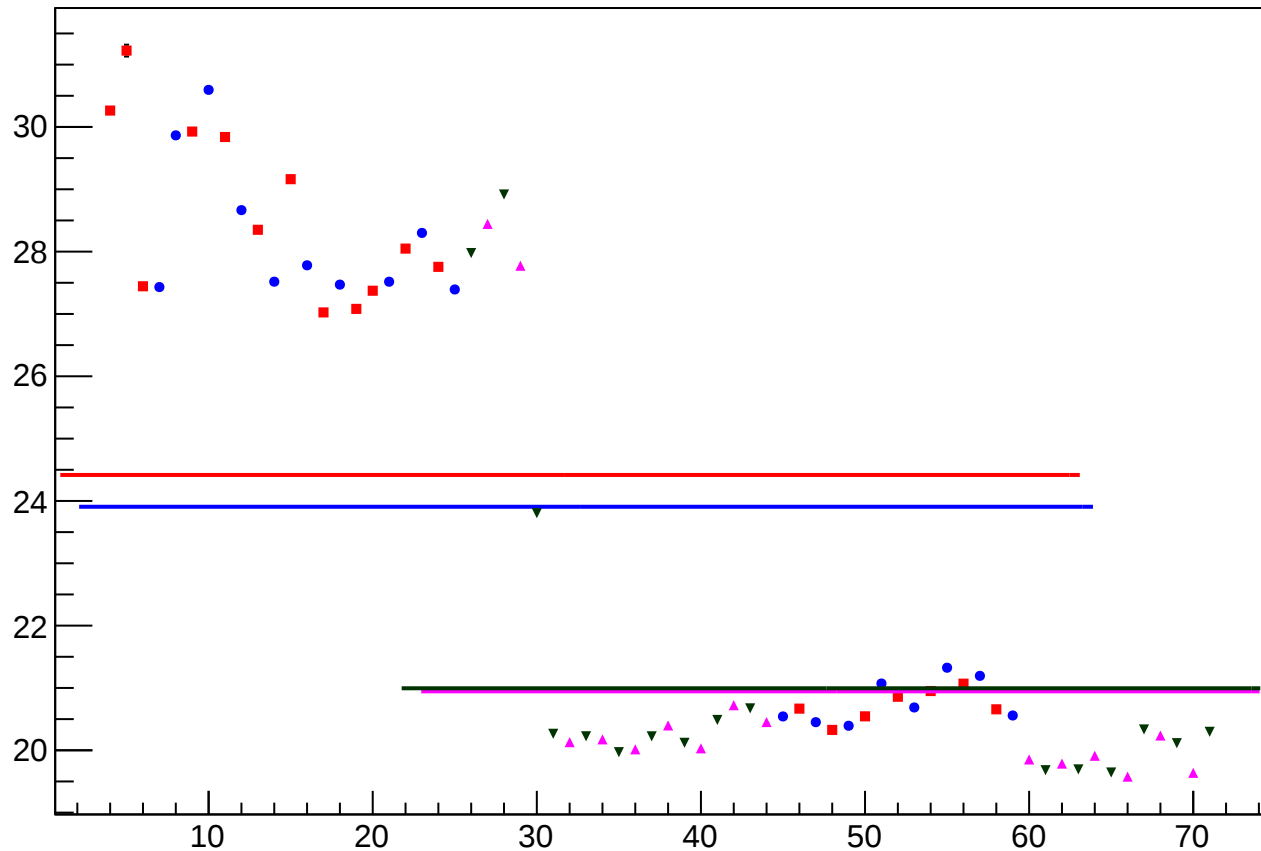
Right Out: 4.784 ± 7.872 $\chi^2/\text{NDF}: 17.9/18$

Left In: 4.047 ± 7.126 $\chi^2/\text{NDF}: 19.3/14$

2.661 ± 5.126 $\chi^2/\text{NDF}: 19.9/33$

4.379 ± 5.283 $\chi^2/\text{NDF}: 37.2/33$

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs slug



Right In: 23.907 $\pm$ 0.005 χ^2 /NDF: 565903.0/17

Left Out: 20.995 $\pm$ 0.005 χ^2 /NDF:216001.2/15

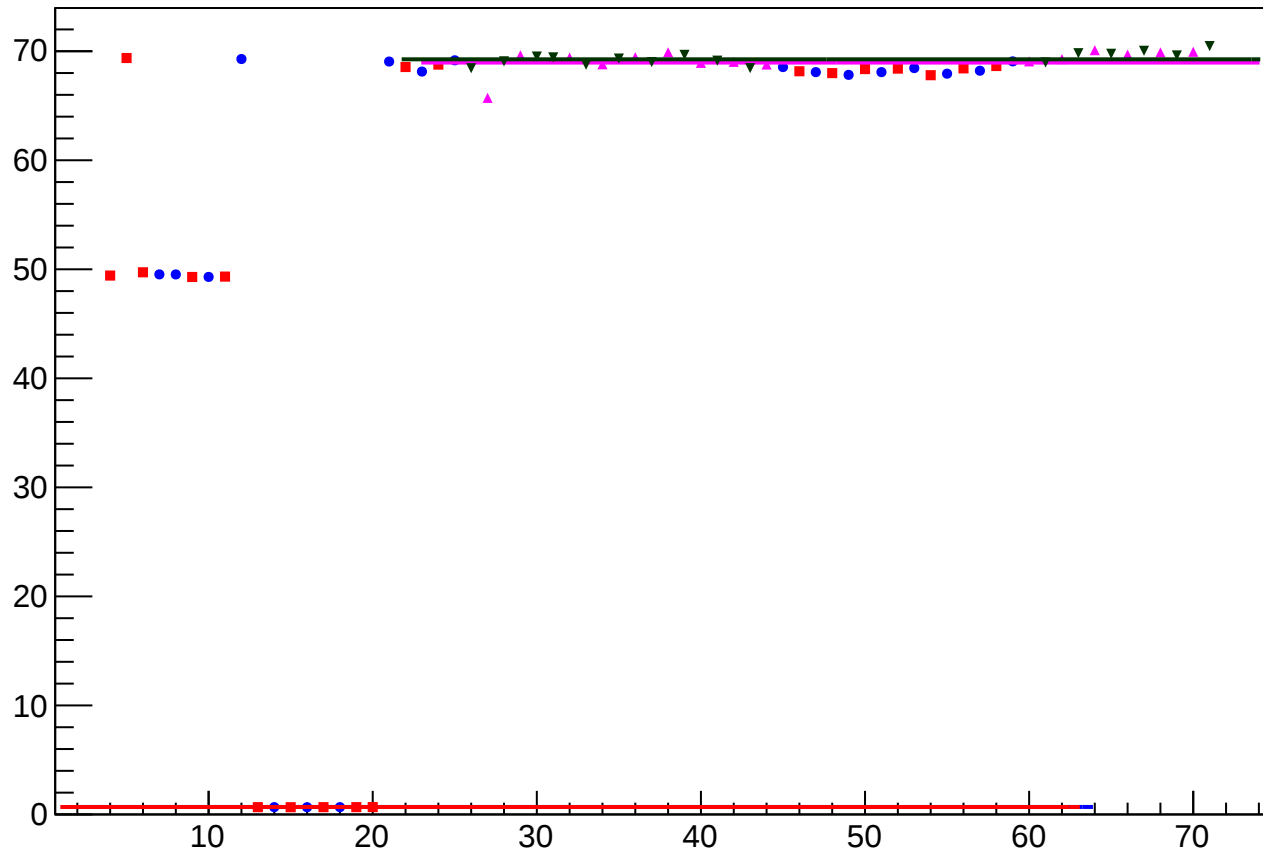
Right Out: 24.417 $\pm$ 0.006 χ^2 /NDF: 496476.9/18

Left In: 20.946 $\pm$ 0.005 χ^2 /NDF:252335.4/14

22.469 $\pm$ 0.004 χ^2 /NDF: 943231.2/33

22.509 $\pm$ 0.004 χ^2 /NDF: 962569.6/33

yield_bcm_an_ds_mean vs slug



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

Left Out: 69.259+/-0.000 χ^2/NDF : 55228788.2/15

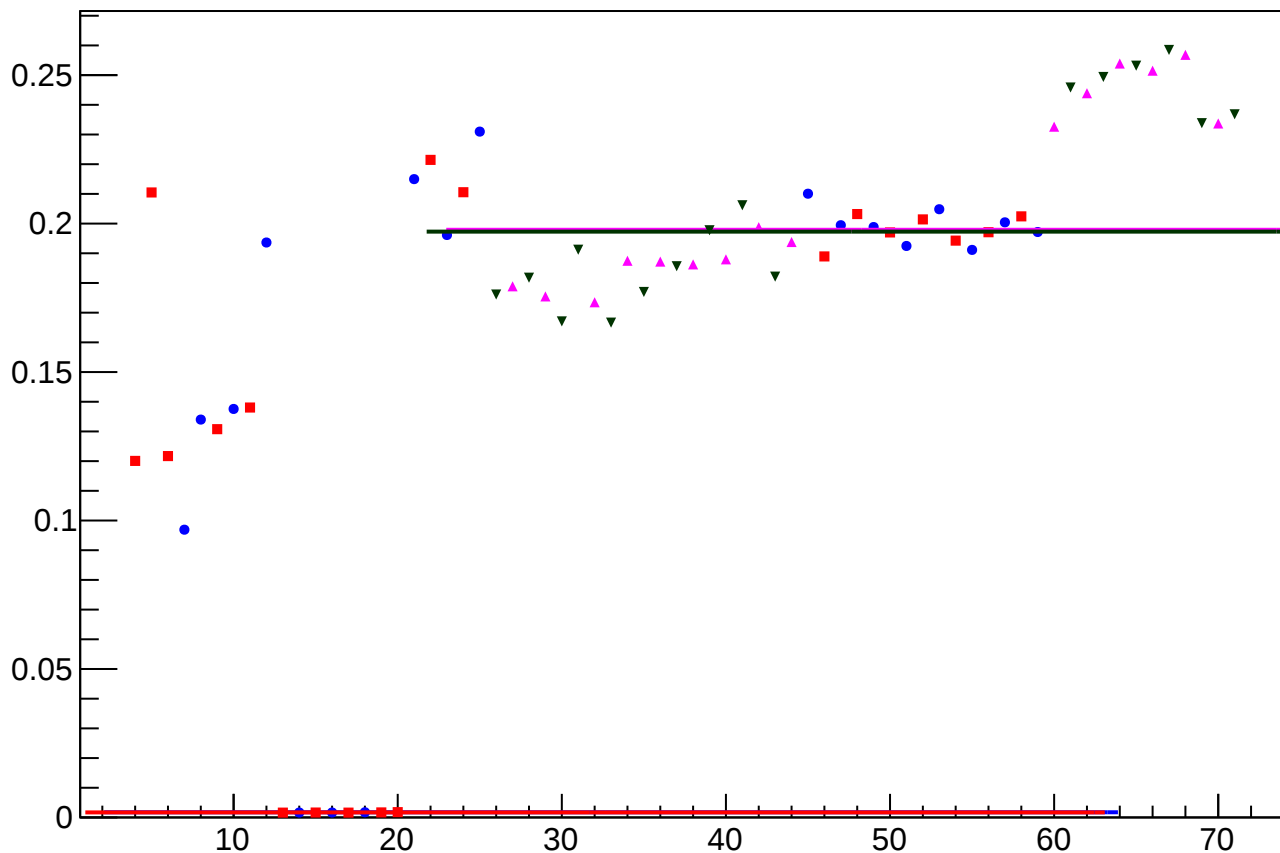
0.705+/-0.000 χ^2/NDF : 2001201205773.1/33

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

0.698+/-0.000 χ^2/NDF : 1841553362834.8/33

Left In: 68.960+/-0.000 χ^2/NDF : 334468564.5/14

yield_bcm_an_ds_rms vs slug



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

Left Out: 0.197+/-0.000 χ^2/NDF :354725.3/15

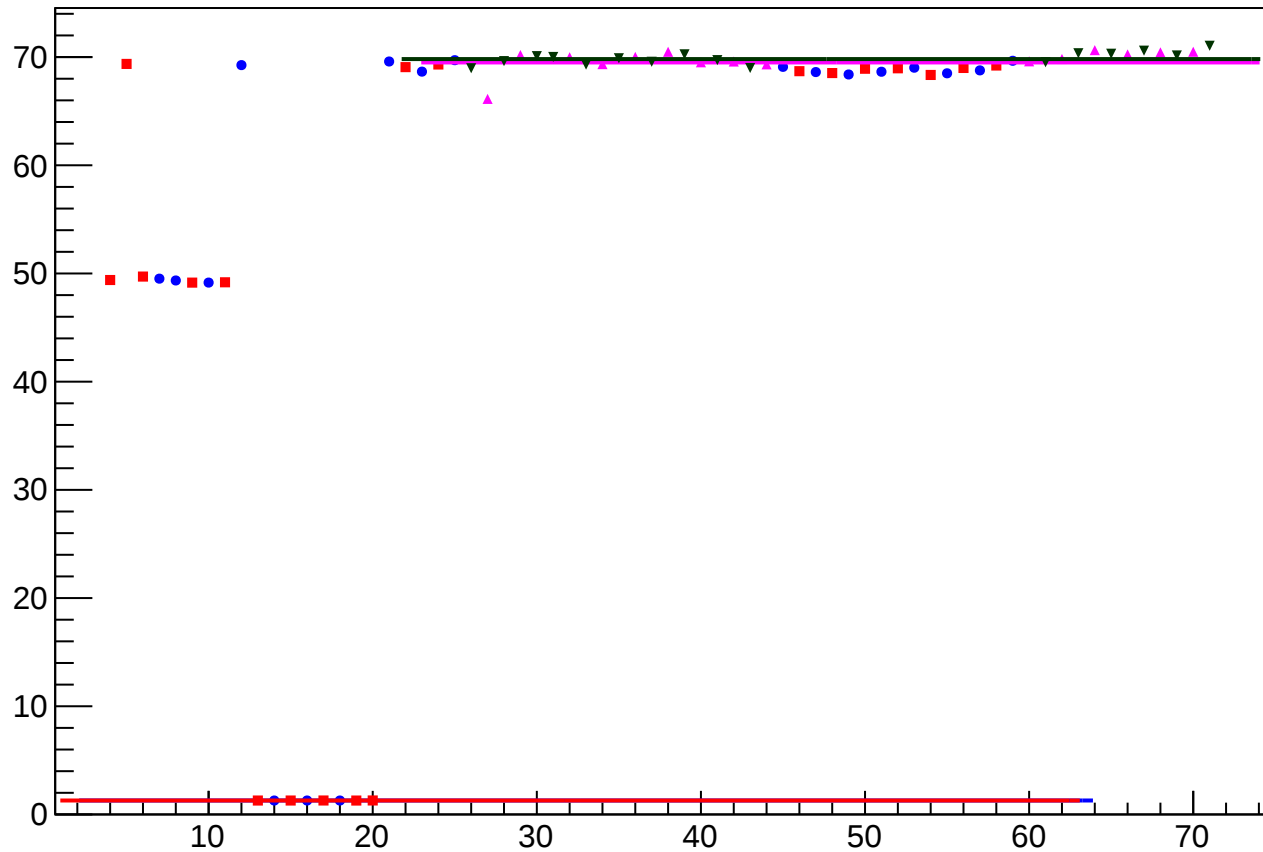
Right Out: 0.002+/-0.000 χ^2/NDF : 13510450.3/18

Left In: 0.198+/-0.000 χ^2/NDF :326893.7/14

0.002+/-0.000 χ^2/NDF : 32934313.4/33

0.002+/-0.000 χ^2/NDF : 30278603.5/33

yield_bcm_an_ds3_mean vs slug



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

Left Out: 69.816+/-0.000 χ^2/NDF : 54511201.9/15

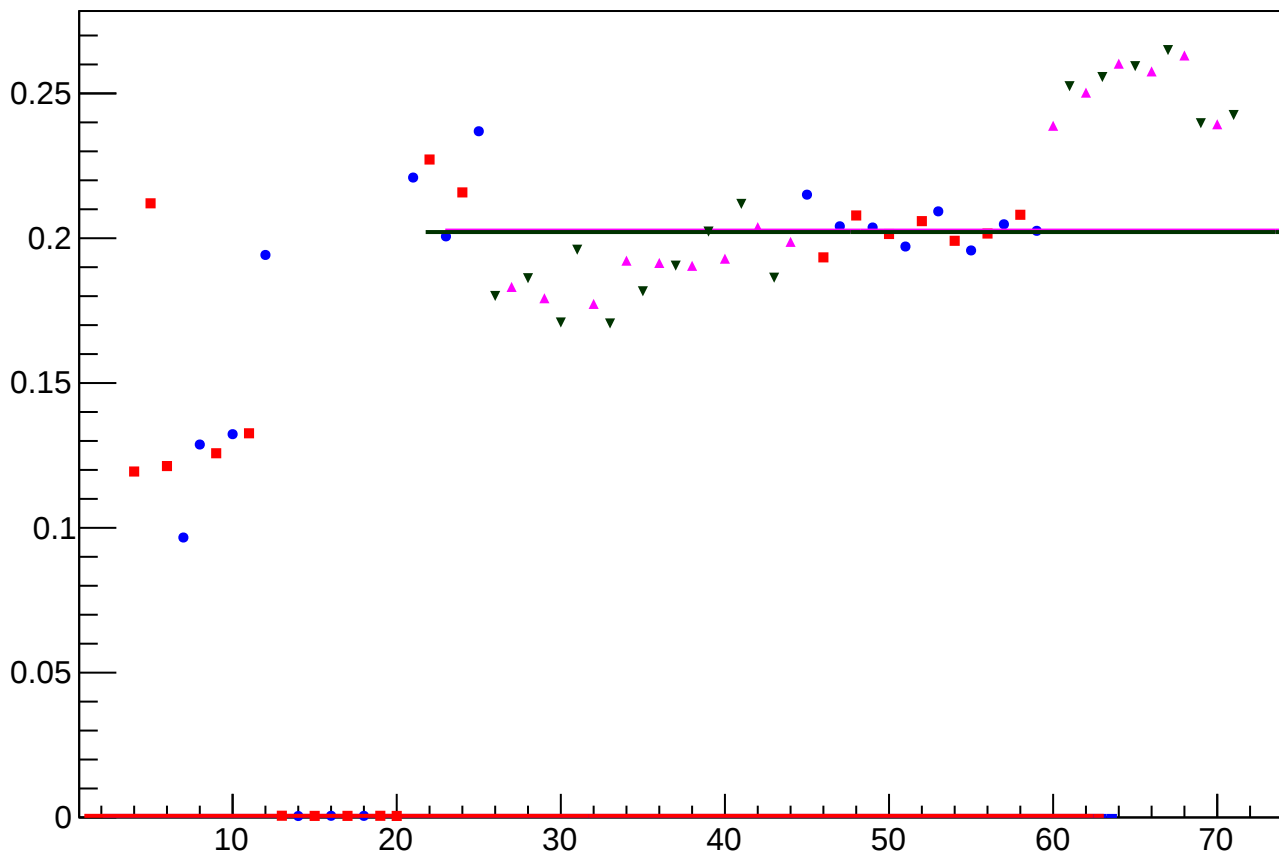
Right Out: 1.290+/-0.000 χ^2/NDF : 826763948171.6/18

Left In: 69.503+/-0.000 χ^2/NDF : 342809534.2/14

1.293+/-0.000 χ^2/NDF : 1927364191017.6/33

1.292+/-0.000 χ^2/NDF : 1774669266827.6/33

yield_bcm_an_ds3_rms vs slug



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

Left Out: 0.202+/-0.000 χ^2/NDF : 357191.0/15

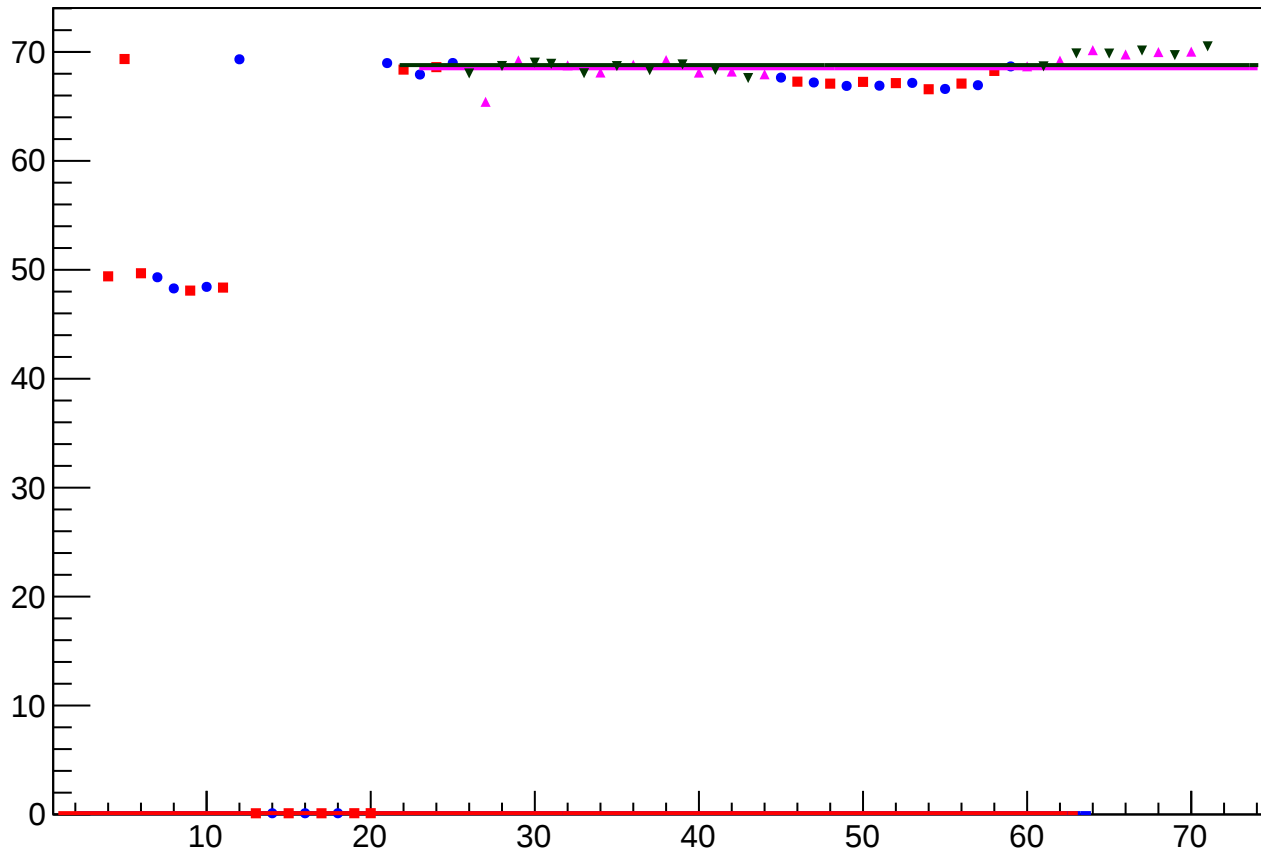
0.001+/-0.000 χ^2/NDF : 33378240.7/33

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

0.001+/-0.000 χ^2/NDF : 30658703.9/33

Left In: 0.203+/-0.000 χ^2/NDF : 330832.9/14

yield_bcm_an_us_mean vs slug



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

Left Out: 68.794+/-0.000 χ^2/NDF : 114681424.0/15

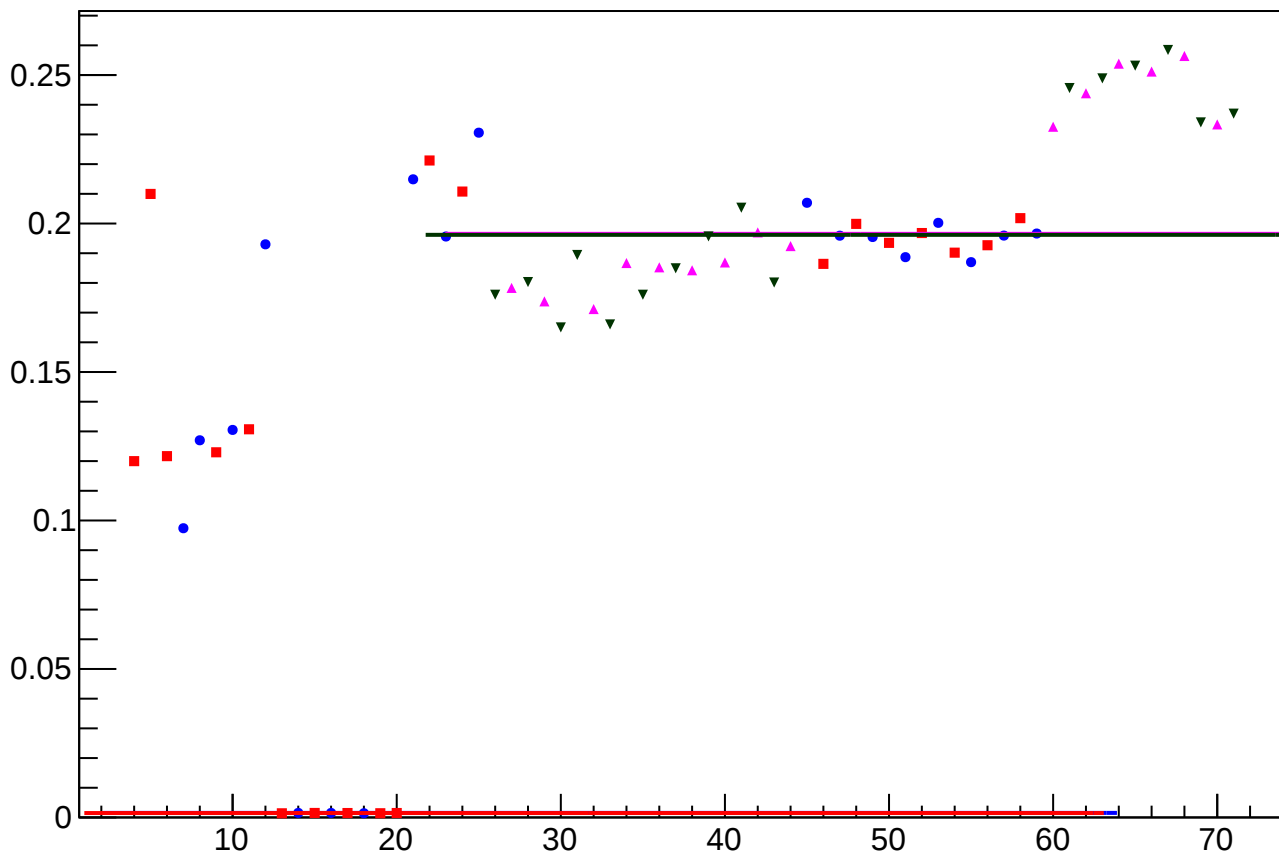
0.140+/-0.000 χ^2/NDF : 2046255640704.7/33

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

0.133+/-0.000 χ^2/NDF : 1888097026709.7/33

Left In: 68.499+/-0.000 χ^2/NDF : 358564862.7/14

yield_bcm_an_us_rms vs slug



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

Left Out: 0.196 $\pm$ 0.000 χ^2 /NDF:367267.3/15

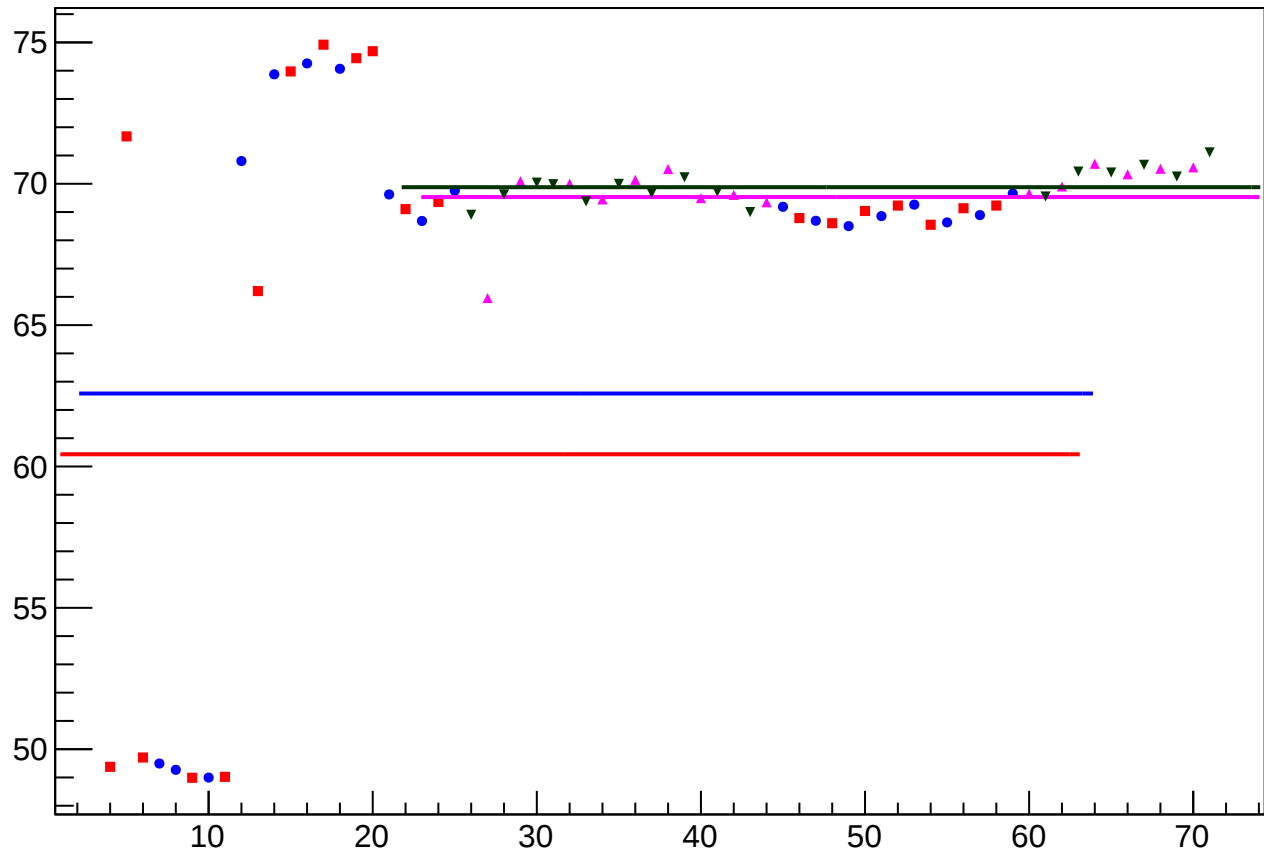
Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 13535654.6/18

Left In: 0.197 $\pm$ 0.000 χ^2 /NDF:342605.3/14

0.002 $\pm$ 0.000 χ^2 /NDF: 32975331.1/33

0.002 $\pm$ 0.000 χ^2 /NDF: 30334977.7/33

yield_bcm_dg_us_mean vs slug



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

Left Out: 69.879+/-0.000 χ^2/NDF : 57939891.0/15

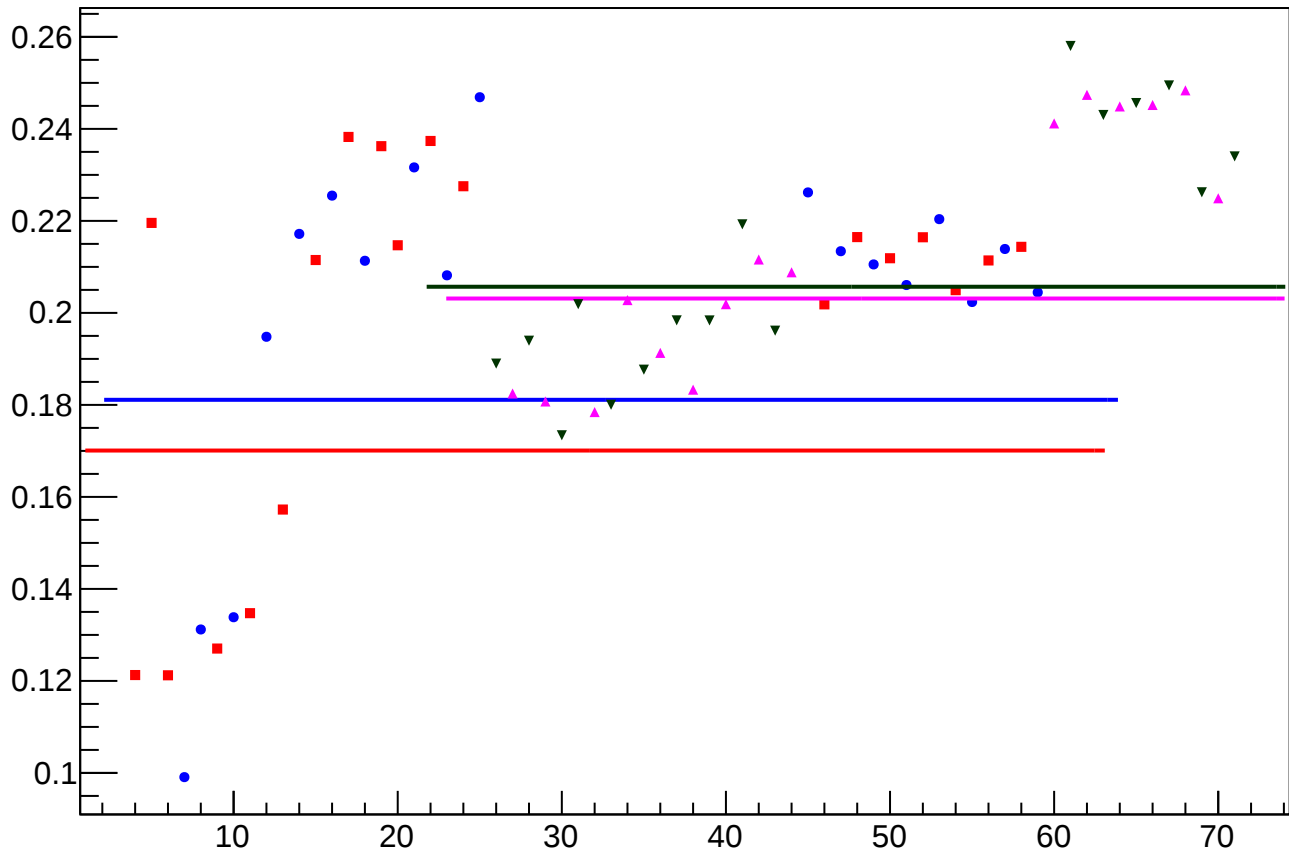
65.335+/-0.000 χ^2/NDF : 40048654024.0/33

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

64.061+/-0.000 χ^2/NDF : 43476995156.2/33

Left In: 69.530+/-0.000 χ^2/NDF : 383663028.2/14

yield_bcm_dg_us_rms vs slug



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

Left Out: 0.206+/-0.000 χ^2/NDF : 227896.5/15

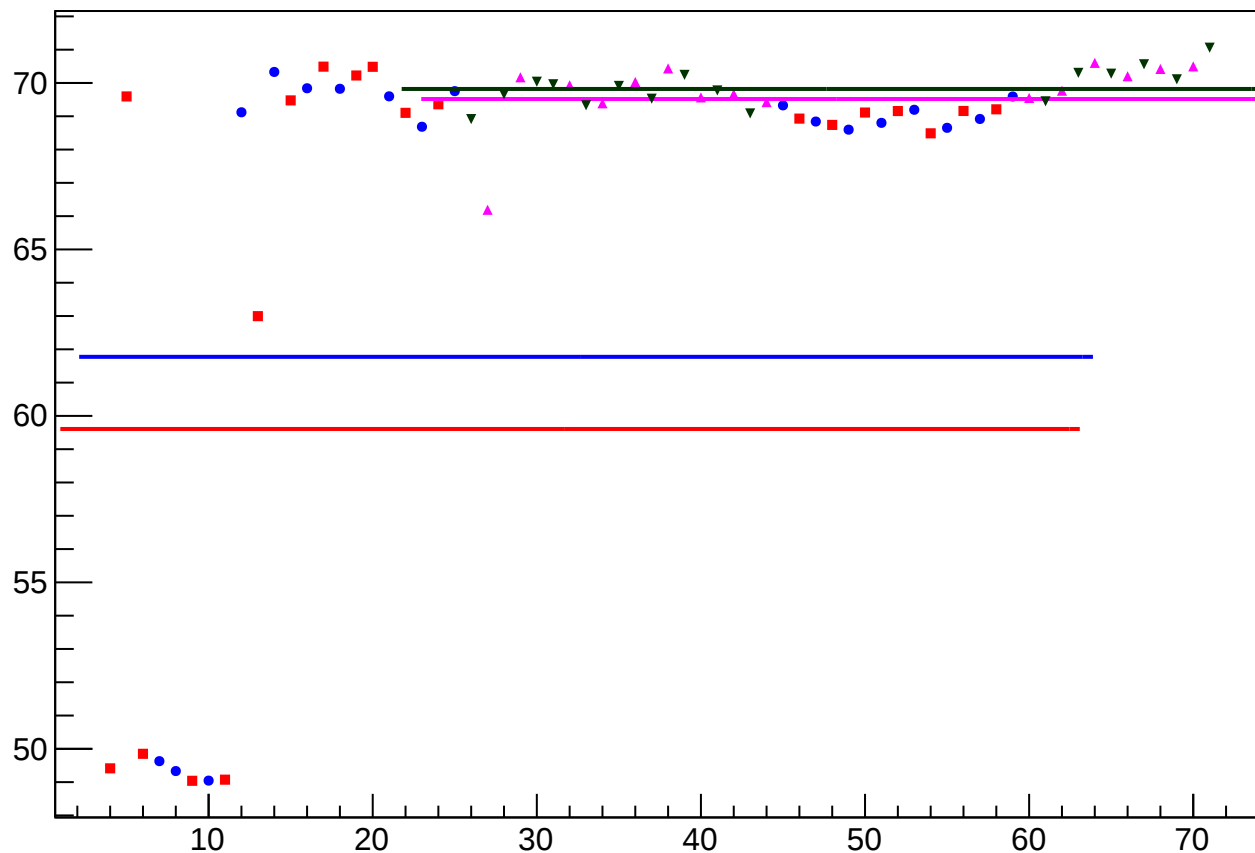
0.190+/-0.000 χ^2/NDF : 1587223.5/33

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

0.183+/-0.000 χ^2/NDF : 1708904.3/33

Left In: 0.203+/-0.000 χ^2/NDF : 258432.0/14

yield_bcm_dg_ds_mean vs slug



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

Left Out: 69.820 $\pm$ 0.000 χ^2 /NDF: 51626902.6/15

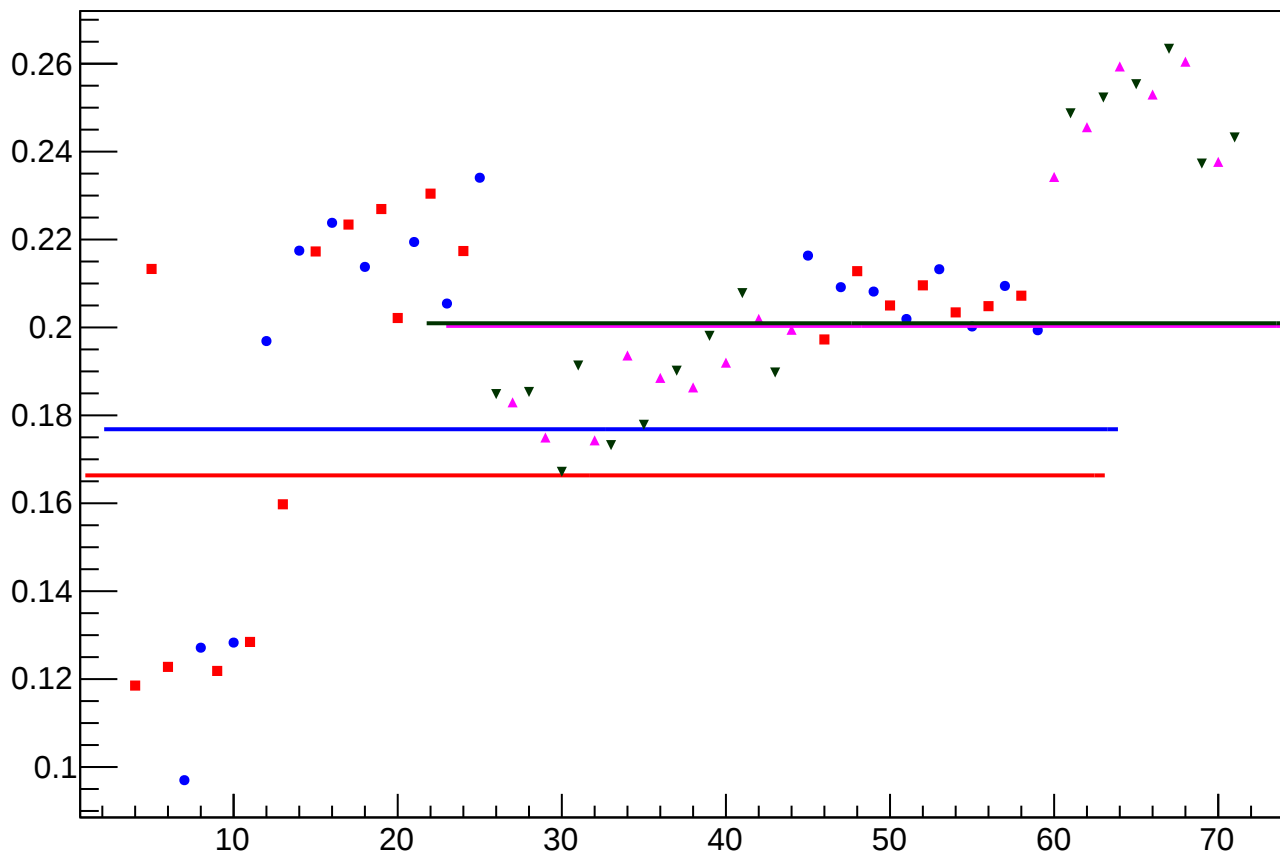
Right Out: 59.608 $\pm$ 0.000 χ^2 /NDF: 29547406430.8/18

Left In: 69.518 $\pm$ 0.000 χ^2 /NDF: 330216626.7/14

64.799 $\pm$ 0.000 χ^2 /NDF: 39017818502.9/33

63.510 $\pm$ 0.000 χ^2 /NDF: 42274342988.3/33

yield_bcm_dg_ds_rms vs slug



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

Left Out: 0.201 ± 0.000 χ^2/NDF : 343294.7/15

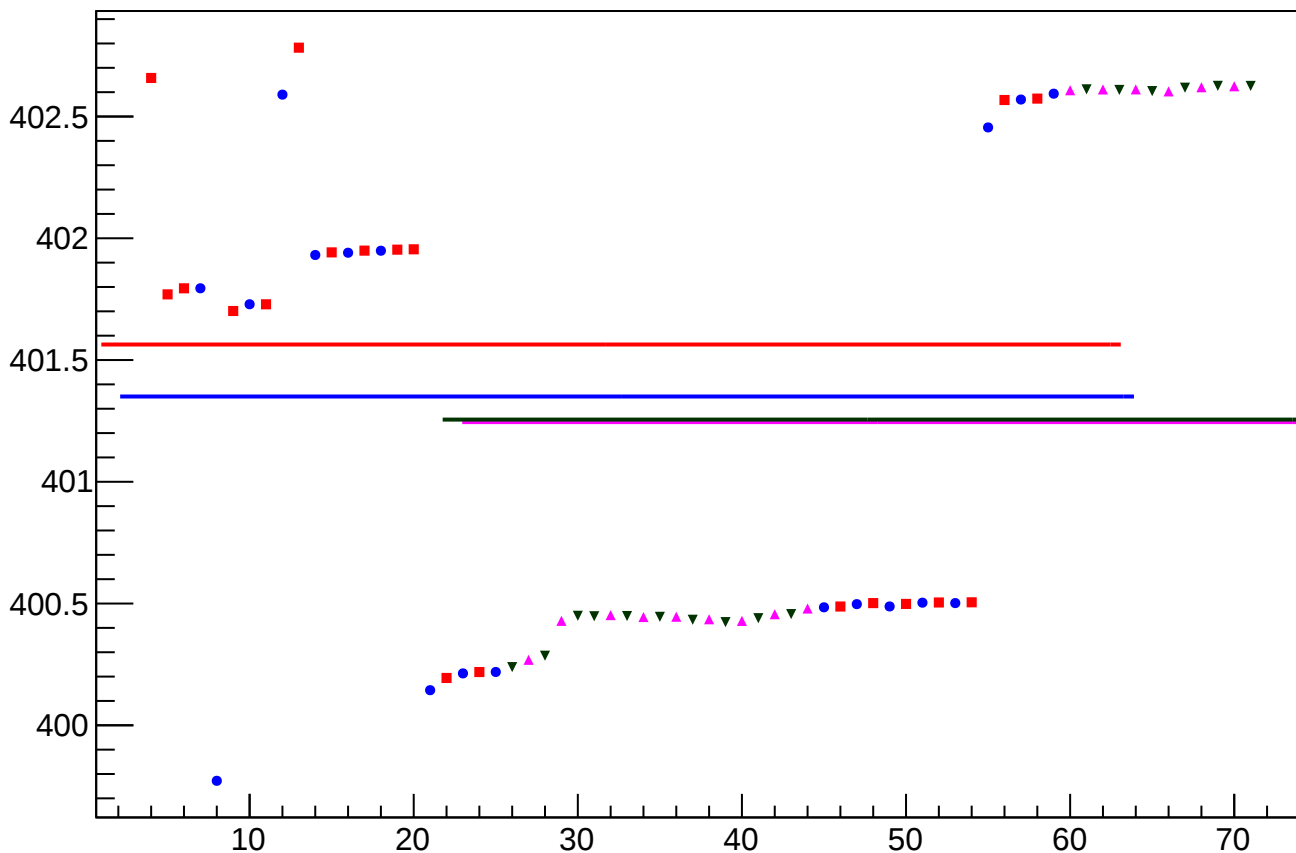
Right Out: 0.166 ± 0.000 χ^2/NDF : 1156468.8/18

Left In: 0.200 ± 0.000 χ^2/NDF : 334148.6/14

0.186 ± 0.000 χ^2/NDF : 1763551.7/33

0.180 ± 0.000 χ^2/NDF : 1782598.2/33

yield_cav4bQ_mean vs slug



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

Left Out: 401.255+/-0.000 χ^2/NDF : 218842075928.1/15

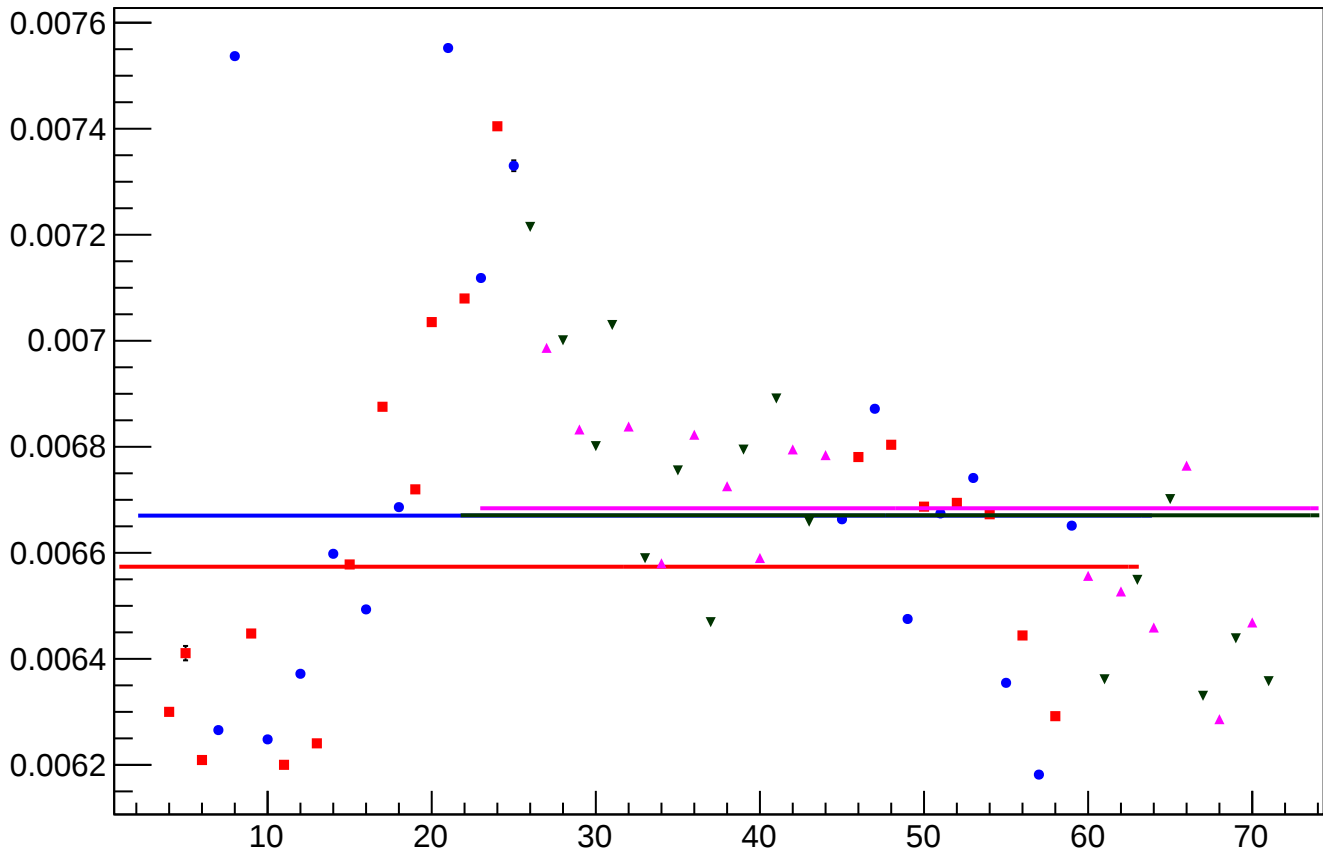
Right Out: 401.564+/-0.000 χ^2/NDF : 183973928948.5/18

Left In: 401.245+/-0.000 χ^2/NDF : 221735197636.1/14

401.310+/-0.000 χ^2/NDF : 454905832842.3/33

401.417+/-0.000 χ^2/NDF : 416473981546.8/33

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 :23641.0/15

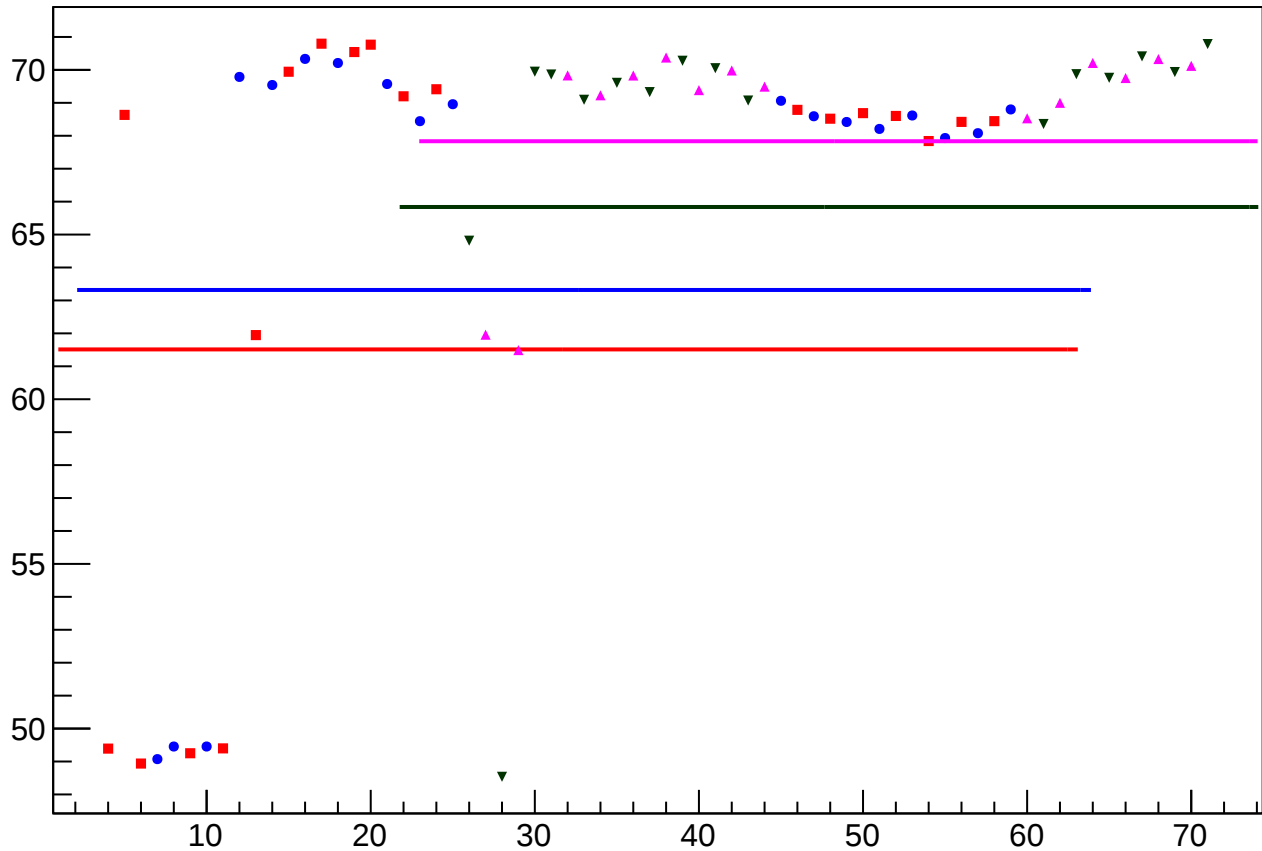
0.007+/-0.000 χ^2/NDF : 100323.3/33

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

0.007+/-0.000 χ^2/NDF : 64167.7/33

Left In: 0.007+/-0.000 χ^2/NDF :13909.8/14

yield_cav4cQ_mean vs slug



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

Left Out: 65.837 ± 0.000 χ^2/NDF : 9586057734.8/15

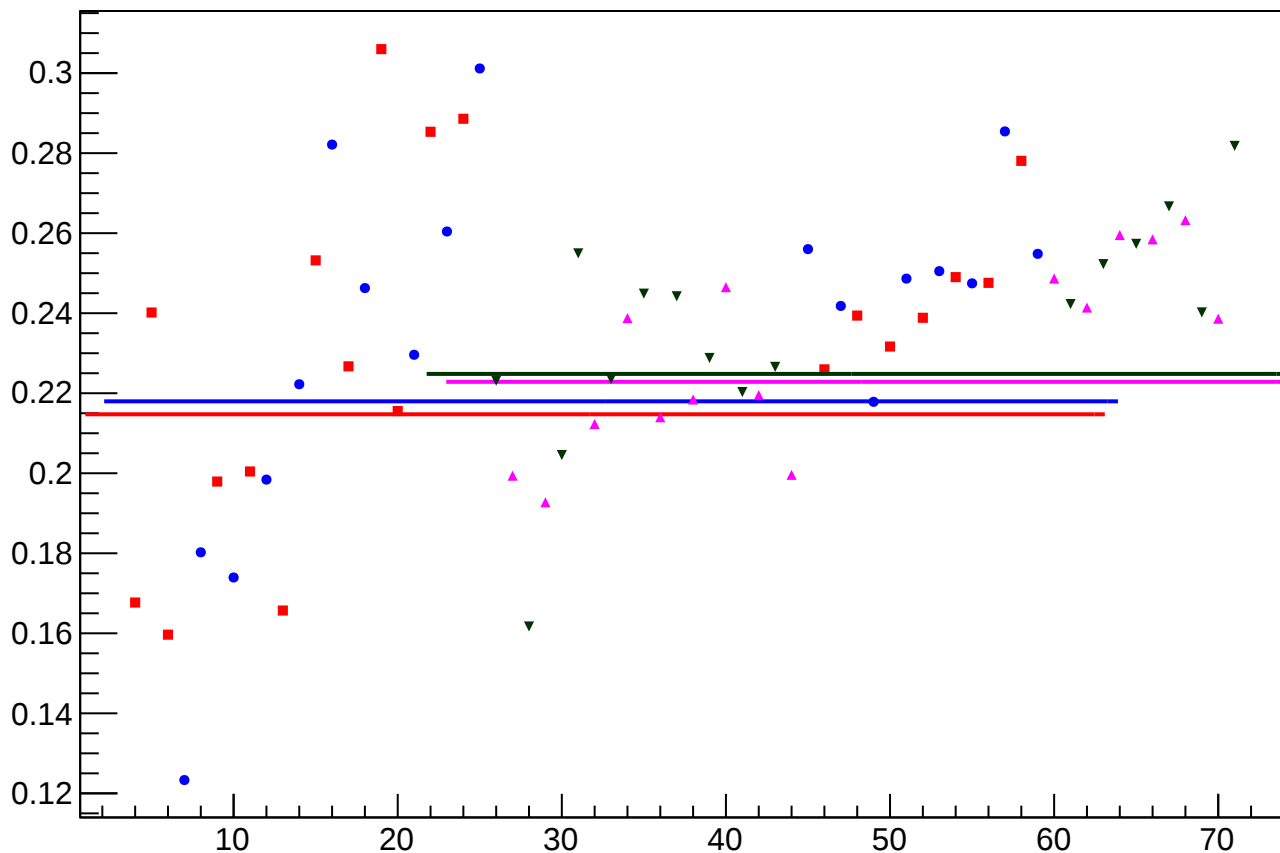
64.370 ± 0.000 χ^2/NDF : 27193934865.0/33

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

64.462 ± 0.000 χ^2/NDF : 20724918147.5/33

Left In: 67.834 ± 0.000 χ^2/NDF : 1902992530.1/14

yield_cav4cQ_rms vs slug



Right In: 0.218 $\pm$ 0.000 χ^2 /NDF: 734629.1/17

Left Out: 0.225 $\pm$ 0.000 χ^2 /NDF:344308.1/15

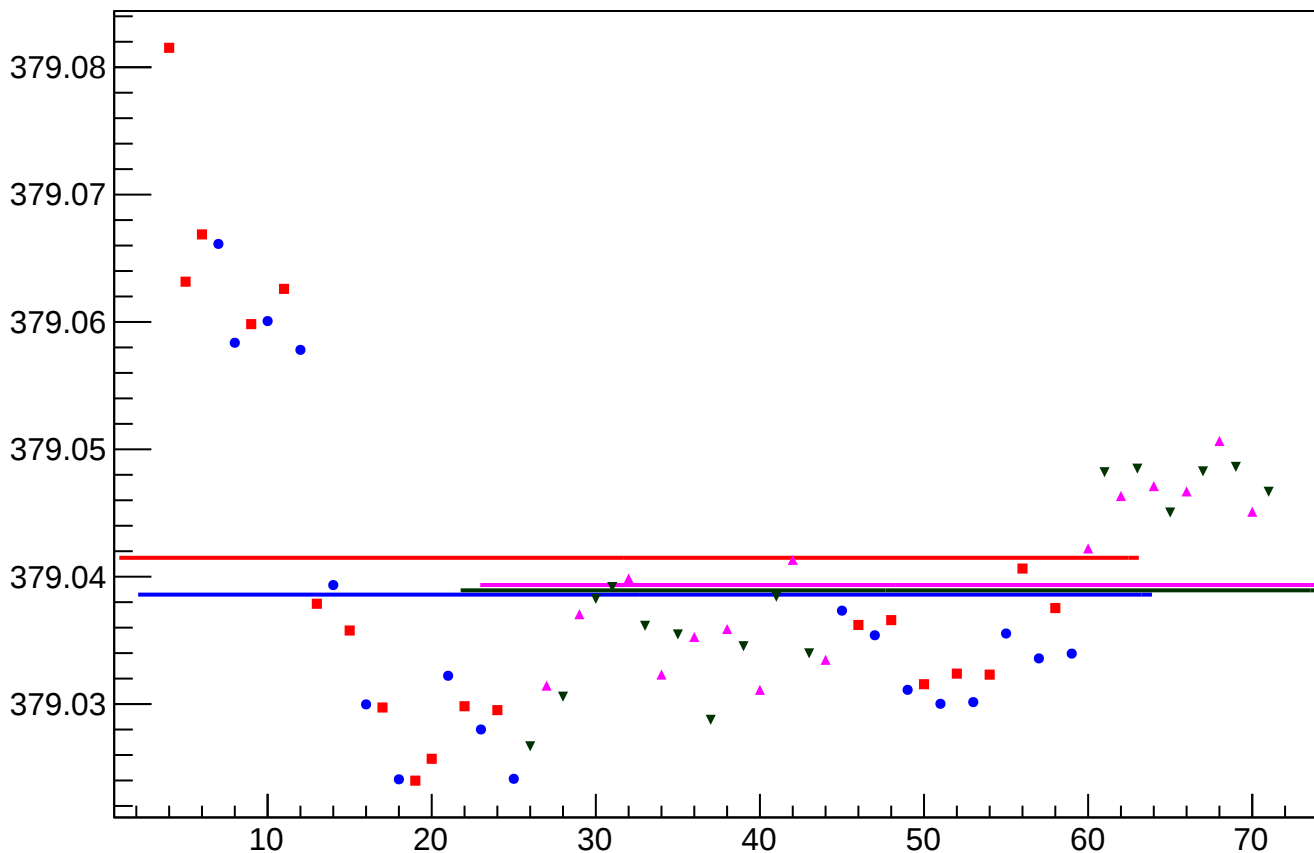
Right Out: 0.215 $\pm$ 0.000 χ^2 /NDF: 631176.3/18

Left In: 0.223 $\pm$ 0.000 χ^2 /NDF:174209.6/14

0.221 $\pm$ 0.000 χ^2 /NDF: 1087235.5/33

0.219 $\pm$ 0.000 χ^2 /NDF: 816826.9/33

yield_cav4dQ_mean vs slug



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

Left Out: 379.039 $\pm$ 0.000 χ^2 /NDF:9450190.5/15

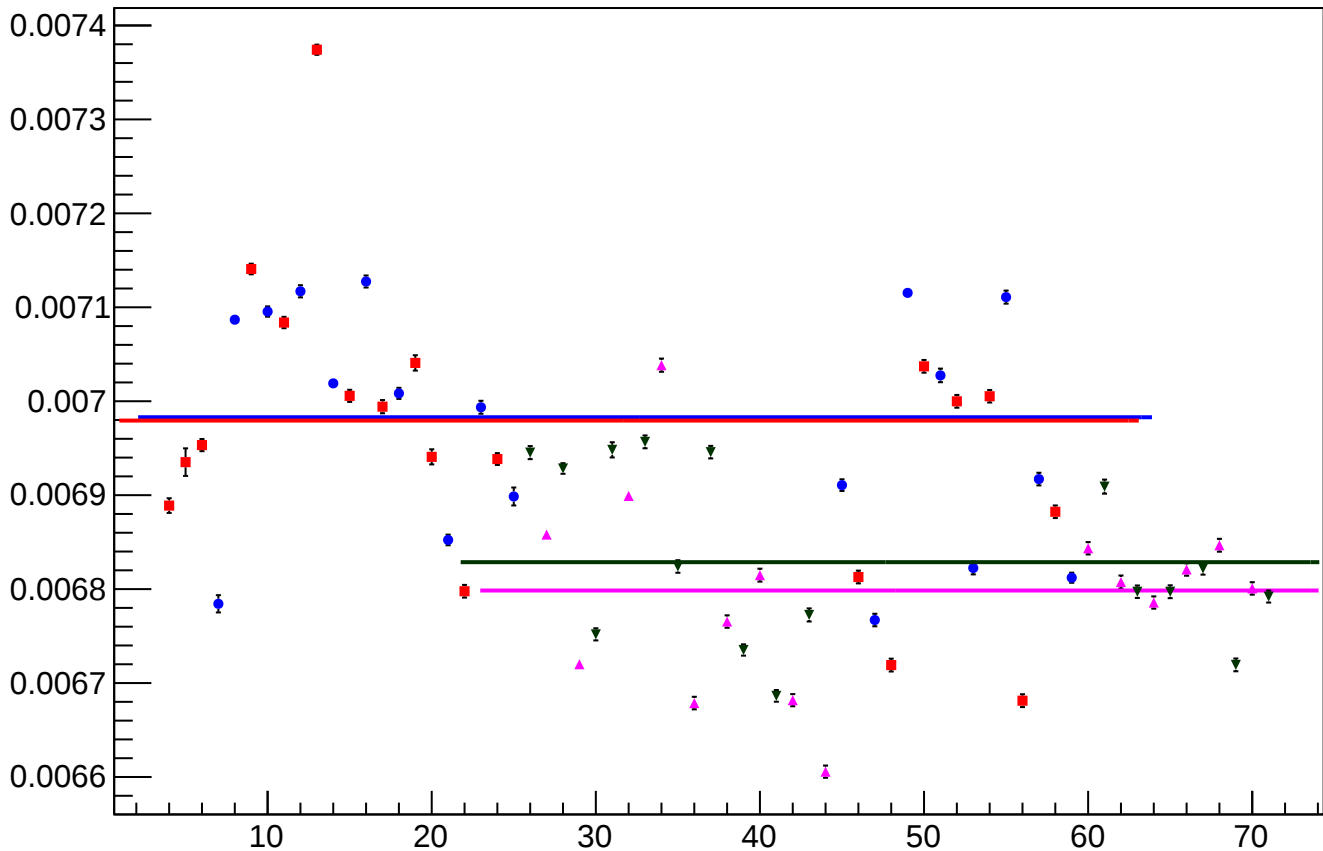
379.039 $\pm$ 0.000 χ^2 /NDF: 43237418.0/33

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

379.040 $\pm$ 0.000 χ^2 /NDF: 53610783.0/33

Left In: 379.039 $\pm$ 0.000 χ^2 /NDF:6879388.5/14

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 : 2877.3/15

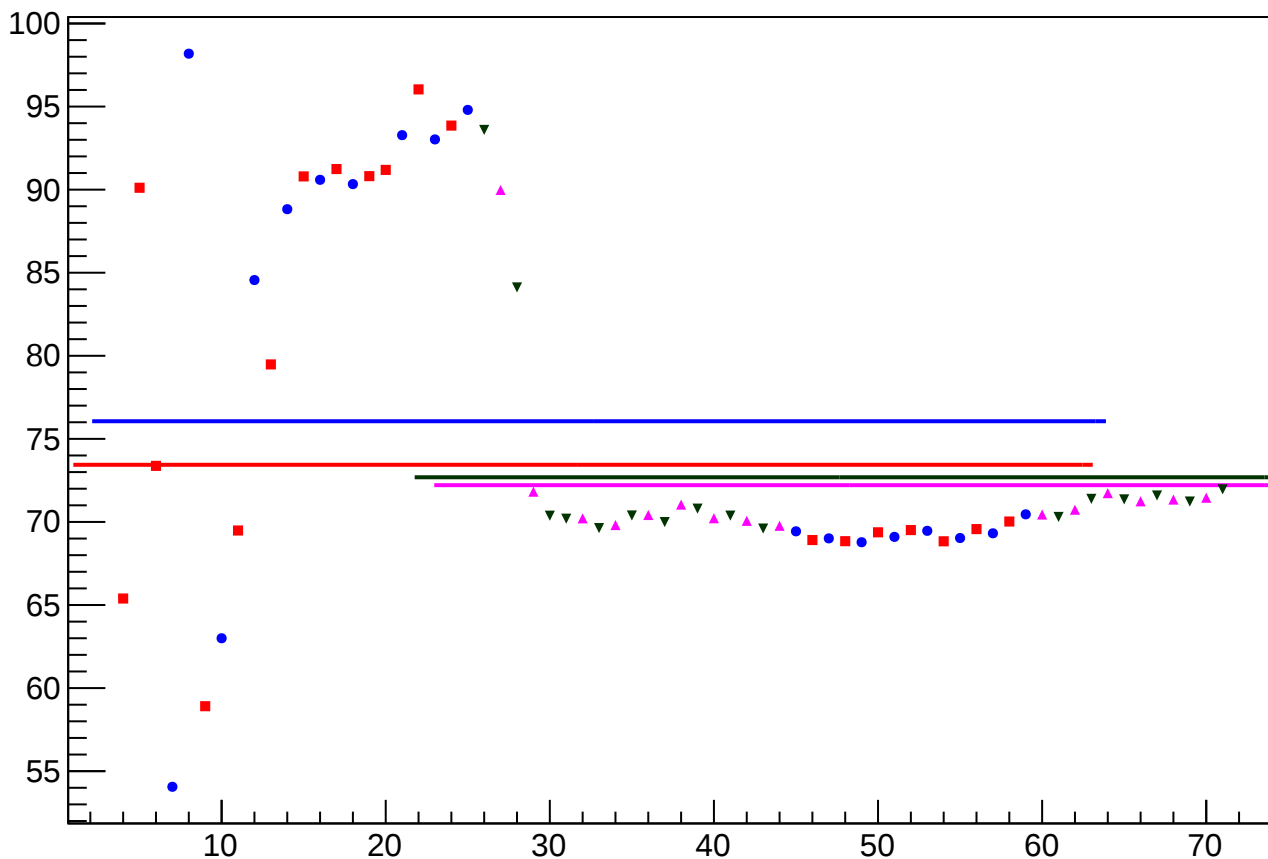
Right Out: 0.007+/-0.000 χ^2/NDF : 11747.2/18

Left In: 0.007+/-0.000 χ^2/NDF : 3568.1/14

0.007+/-0.000 χ^2/NDF : 14400.2/33

0.007+/-0.000 χ^2/NDF : 21770.0/33

yield_bcm0l02_mean vs slug



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

Left Out: 72.688 $\pm$ 0.000 χ^2/NDF : 3813121021.4/15

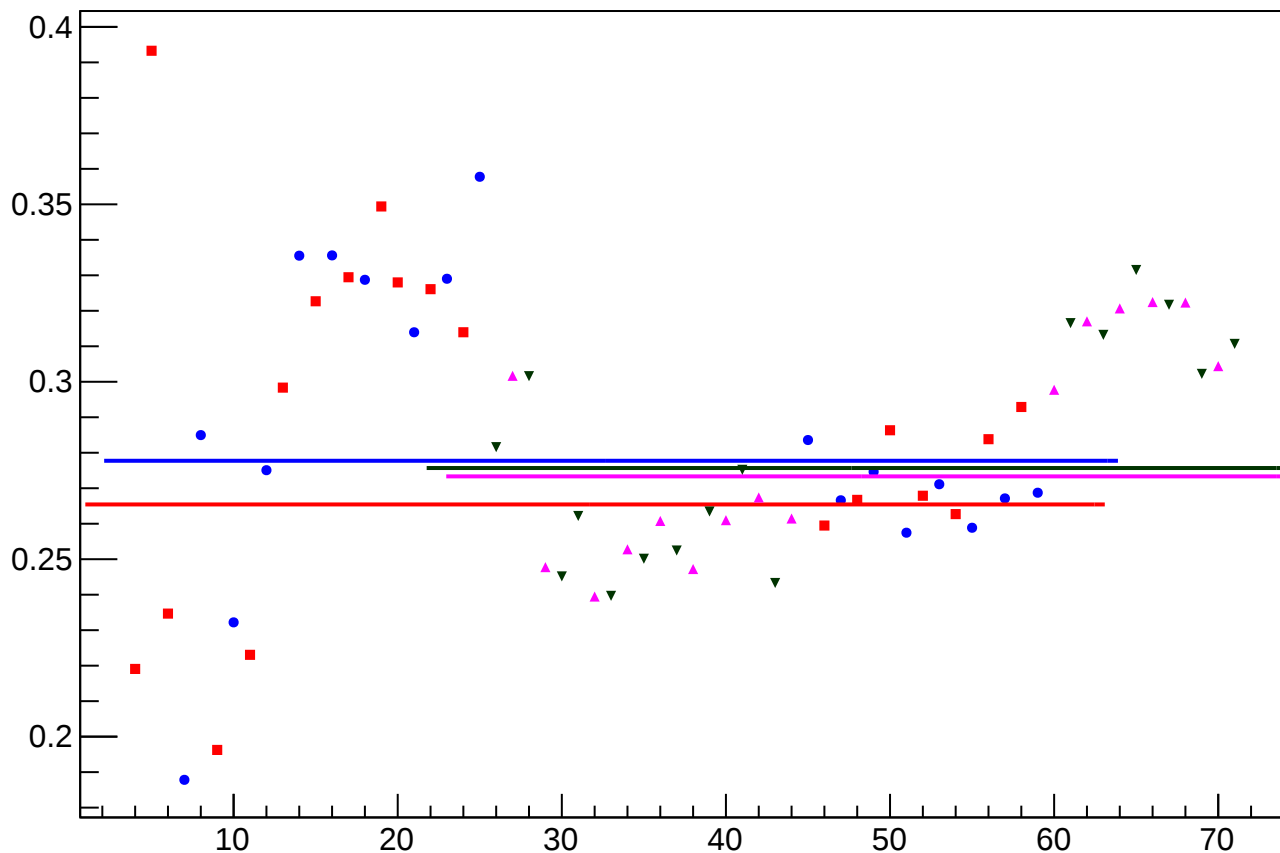
Right Out: 73.439 $\pm$ 0.000 χ^2/NDF : 14741427319.0/18

Left In: 72.213 $\pm$ 0.000 χ^2/NDF : 2983621717.1/14

74.590 $\pm$ 0.000 χ^2/NDF : 25258468250.2/33

72.865 $\pm$ 0.000 χ^2/NDF : 17812816917.3/33

yield_bcm0l02_rms vs slug



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

Left Out: 0.276+/-0.000 χ^2/NDF : 182946.7/15

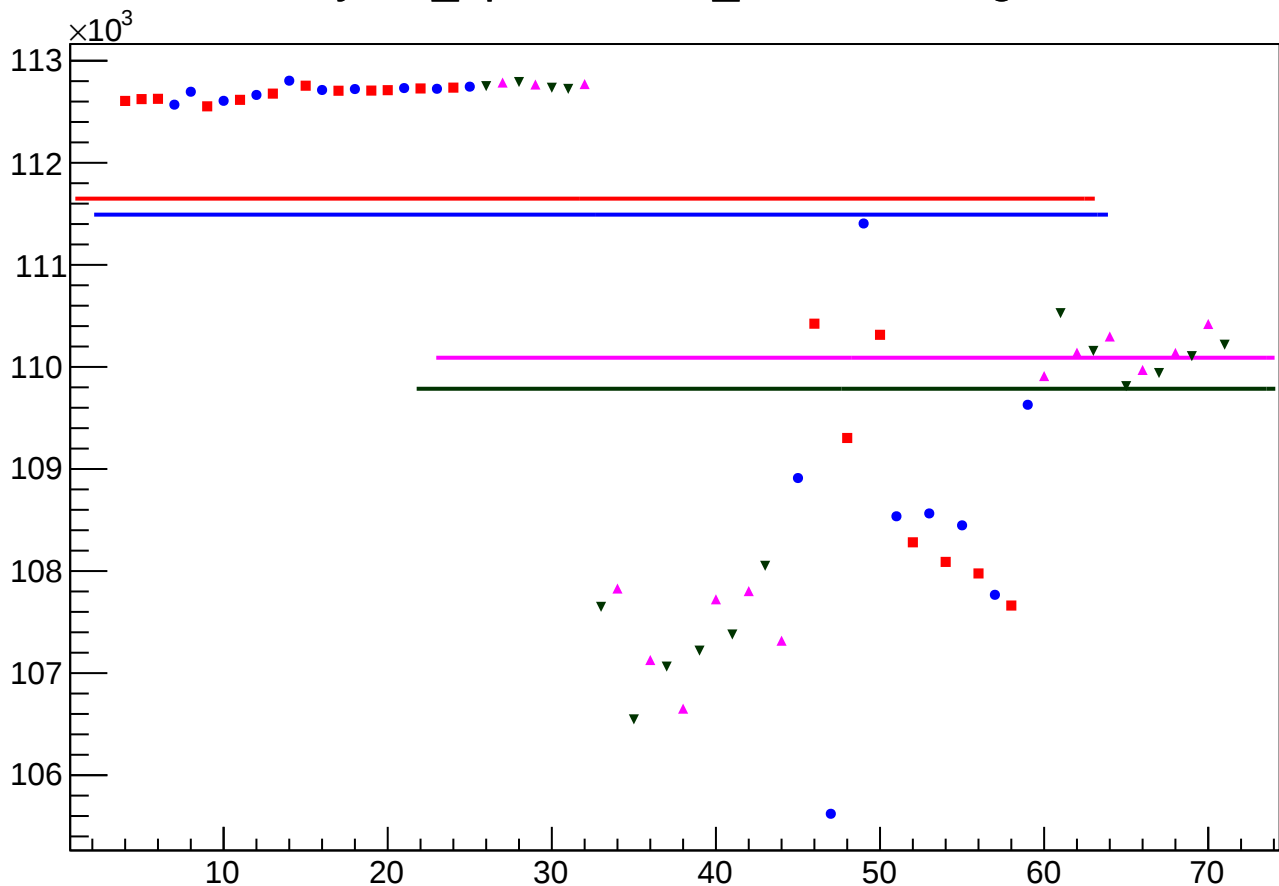
Right Out: 0.265+/-0.000 χ^2/NDF : 503582.7/18

Left In: 0.273+/-0.000 χ^2/NDF : 192403.2/14

0.277+/-0.000 χ^2/NDF : 553674.5/33

0.269+/-0.000 χ^2/NDF : 703287.9/33

yield_bpm2i01WS_mean vs slug



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

Left Out: 109786.178 $\pm$ 0.044 χ^2 /NDF: 2711475203.0/15

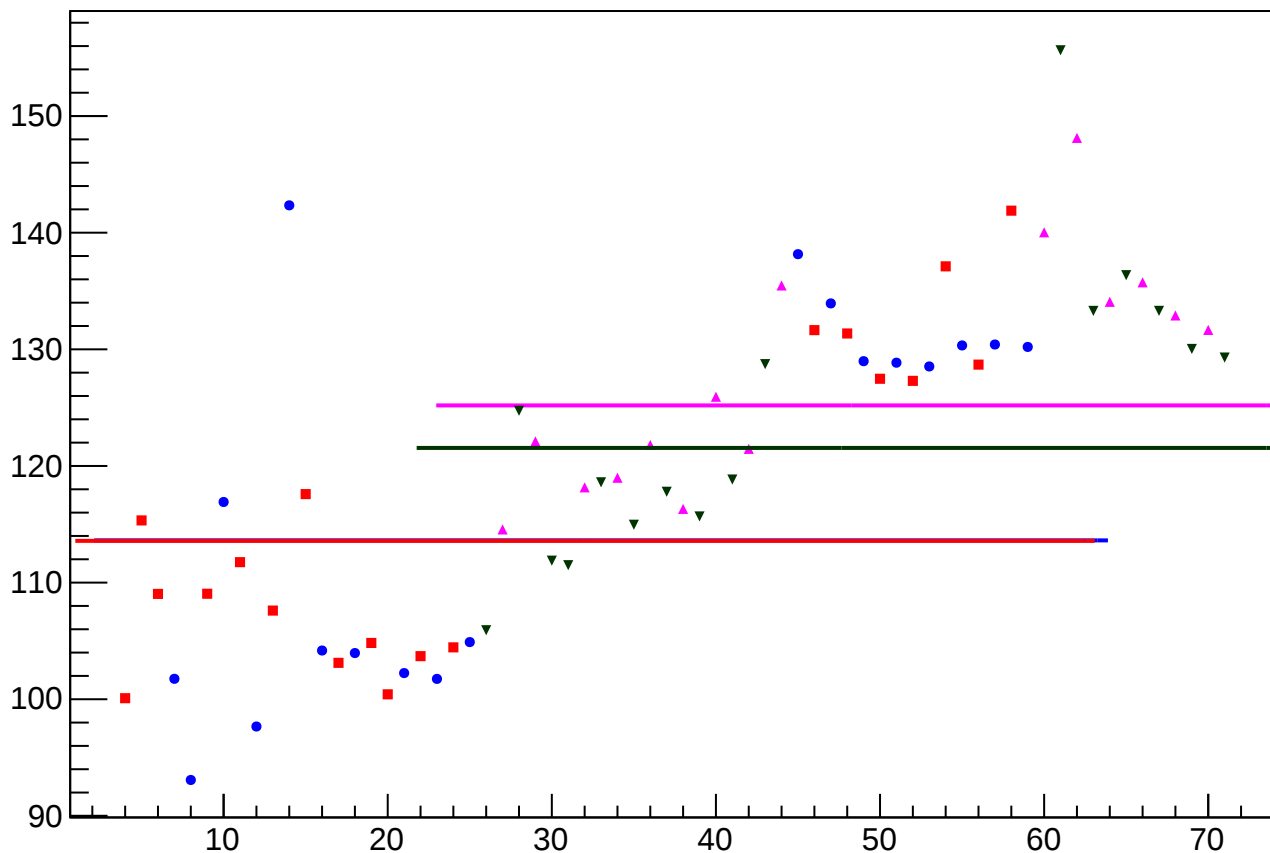
Right Out: 111648.935 $\pm$ 0.037 χ^2 /NDF: 2298631932.7/18

Left In: 110090.200 $\pm$ 0.044 χ^2 /NDF: 2595736371.0/14

110837.783 $\pm$ 0.027 χ^2 /NDF: 6797521092.3/33

111005.793 $\pm$ 0.029 χ^2 /NDF: 5617394792.0/33

yield_bpm2i01WS_rms vs slug



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

Left Out: 121.547 $\pm$ 0.031 χ^2 /NDF:103788.0/15

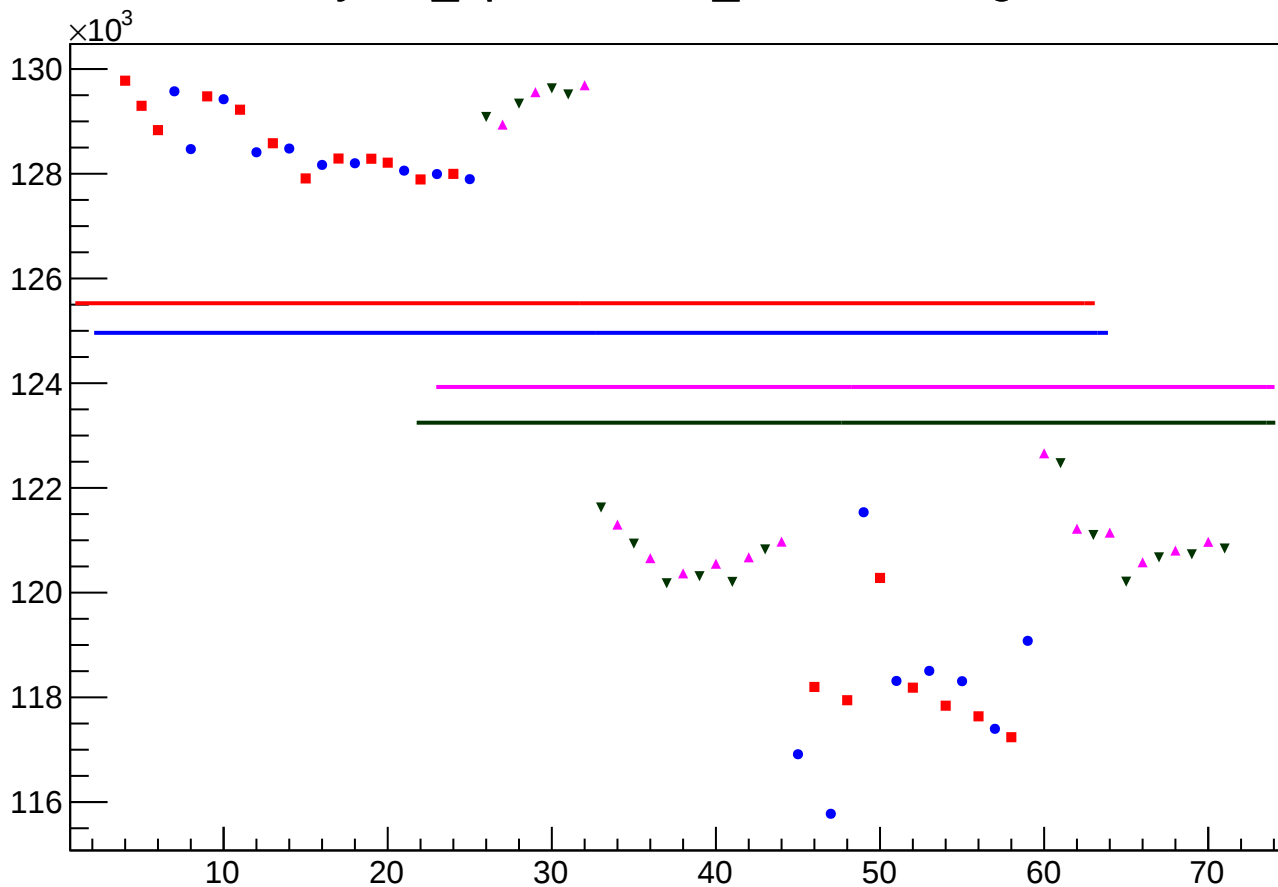
Right Out: 113.579 $\pm$ 0.026 χ^2 /NDF: 206805.2/18

Left In: 125.192 $\pm$ 0.031 χ^2 /NDF:78535.1/14

116.660 $\pm$ 0.019 χ^2 /NDF: 565625.2/33

118.371 $\pm$ 0.020 χ^2 /NDF: 365594.2/33

yield_bpm0i07WS_mean vs slug



Right In: 124961.680 $\pm$ 0.057 χ^2 /NDF: 7216201458.1/17

Left Out: 123245.588 $\pm$ 0.077 χ^2 /NDF: 2634466058.5/15

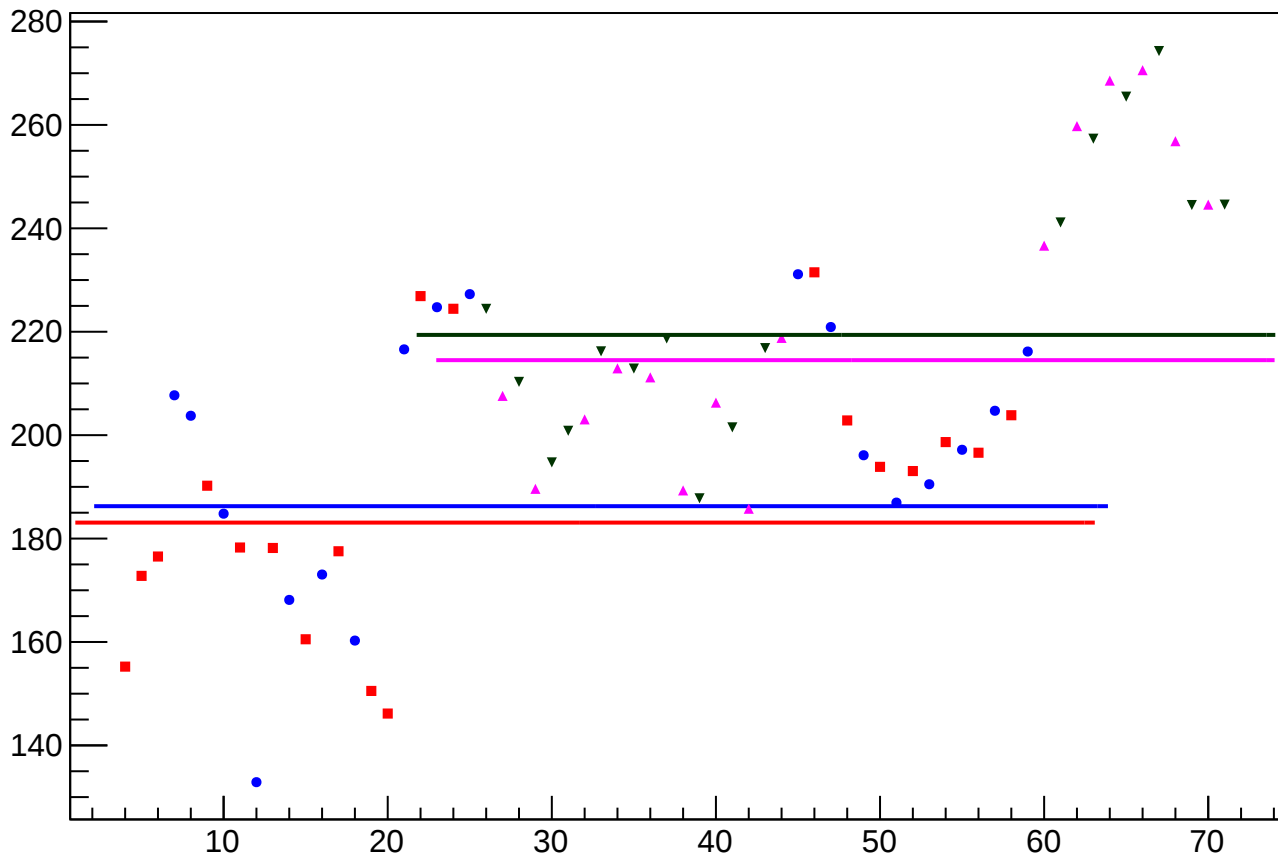
Right Out: 125527.018 $\pm$ 0.060 χ^2 /NDF: 6545248421.9/18

Left In: 123927.877 $\pm$ 0.074 χ^2 /NDF: 3062606900.4/14

124358.955 $\pm$ 0.046 χ^2 /NDF: 10171420125.5/3

124895.169 $\pm$ 0.046 χ^2 /NDF: 9892832536.4/3

yield_bpm0i07WS_rms vs slug



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

Left Out: 219.389 ± 0.055 χ^2/NDF : 194015.5/15

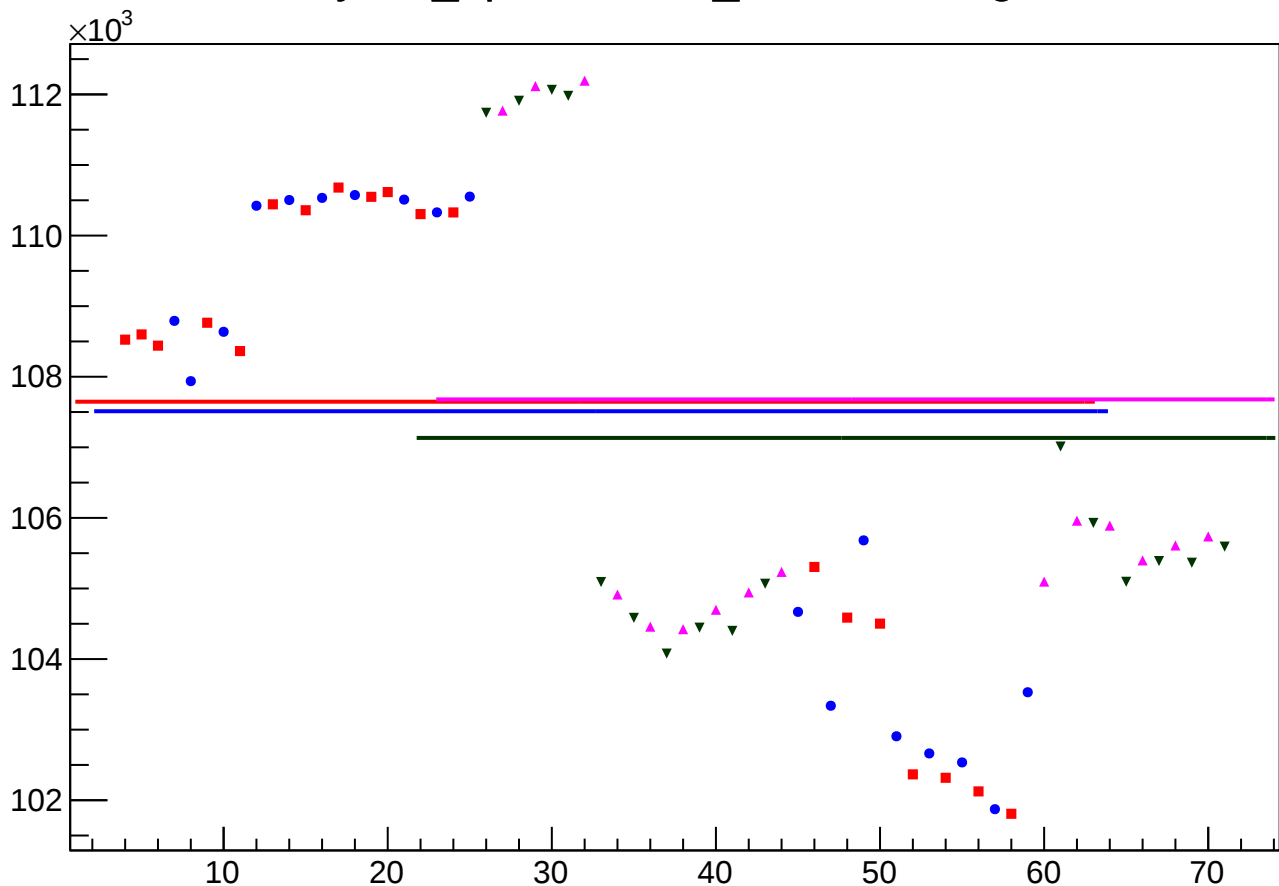
Right Out: 183.088 ± 0.042 χ^2/NDF : 276420.3/18

Left In: 214.505 ± 0.052 χ^2/NDF : 246643.0/14

197.898 ± 0.032 χ^2/NDF : 895436.0/33

195.502 ± 0.033 χ^2/NDF : 743042.5/33

yield_bpm0l01WS_mean vs slug



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

Left Out: 107133.196 $\pm$ 0.044 χ^2 /NDF: 5649378066.8/15

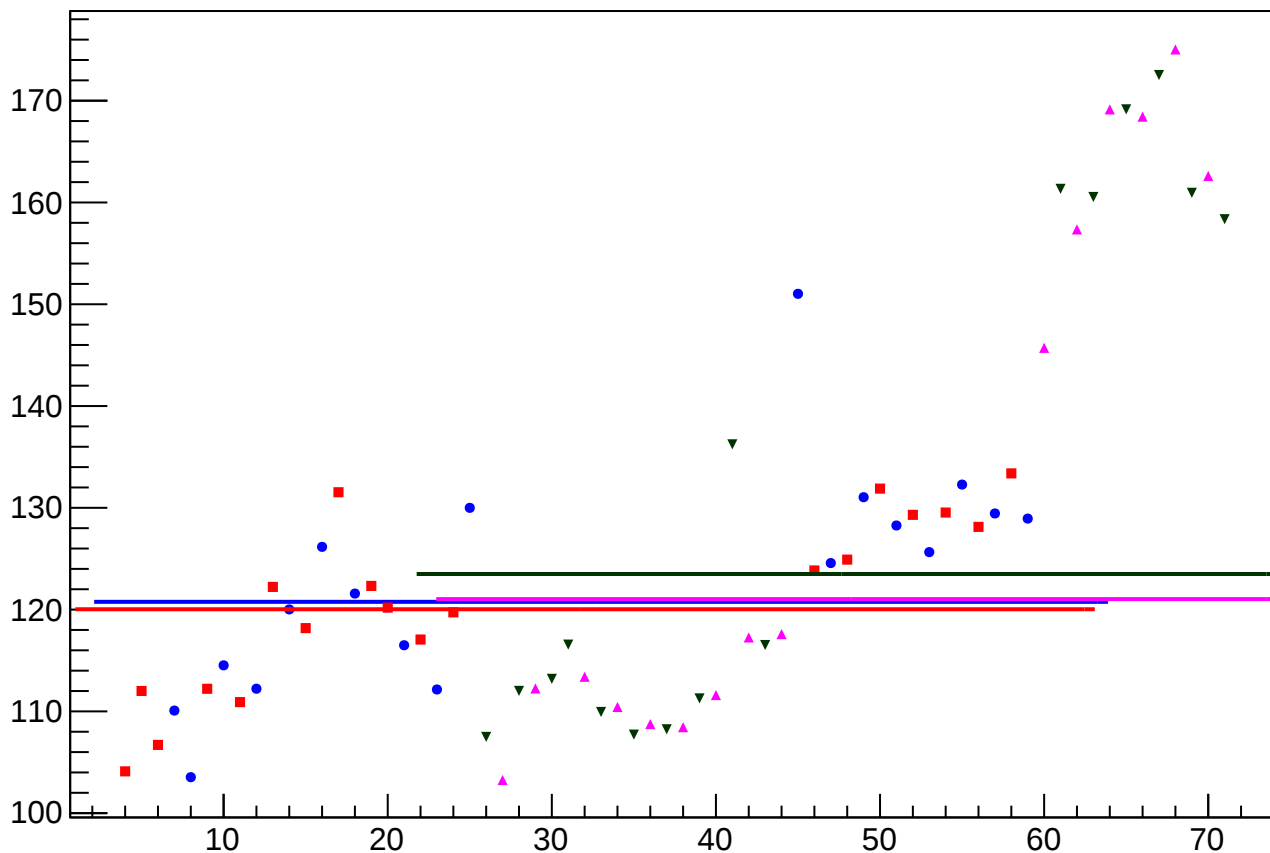
Right Out: 107646.372 $\pm$ 0.039 χ^2 /NDF: 6547636060.9/18

Left In: 107678.909 $\pm$ 0.042 χ^2 /NDF: 6618470106.8/14

107356.577 $\pm$ 0.028 χ^2 /NDF: 13238471412.9/3

107661.416 $\pm$ 0.029 χ^2 /NDF: 13166429272.5/3

yield_bpm0l01WS_rms vs slug



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

Left Out: 123.498+/-0.031 χ^2/NDF : 485602.7/15

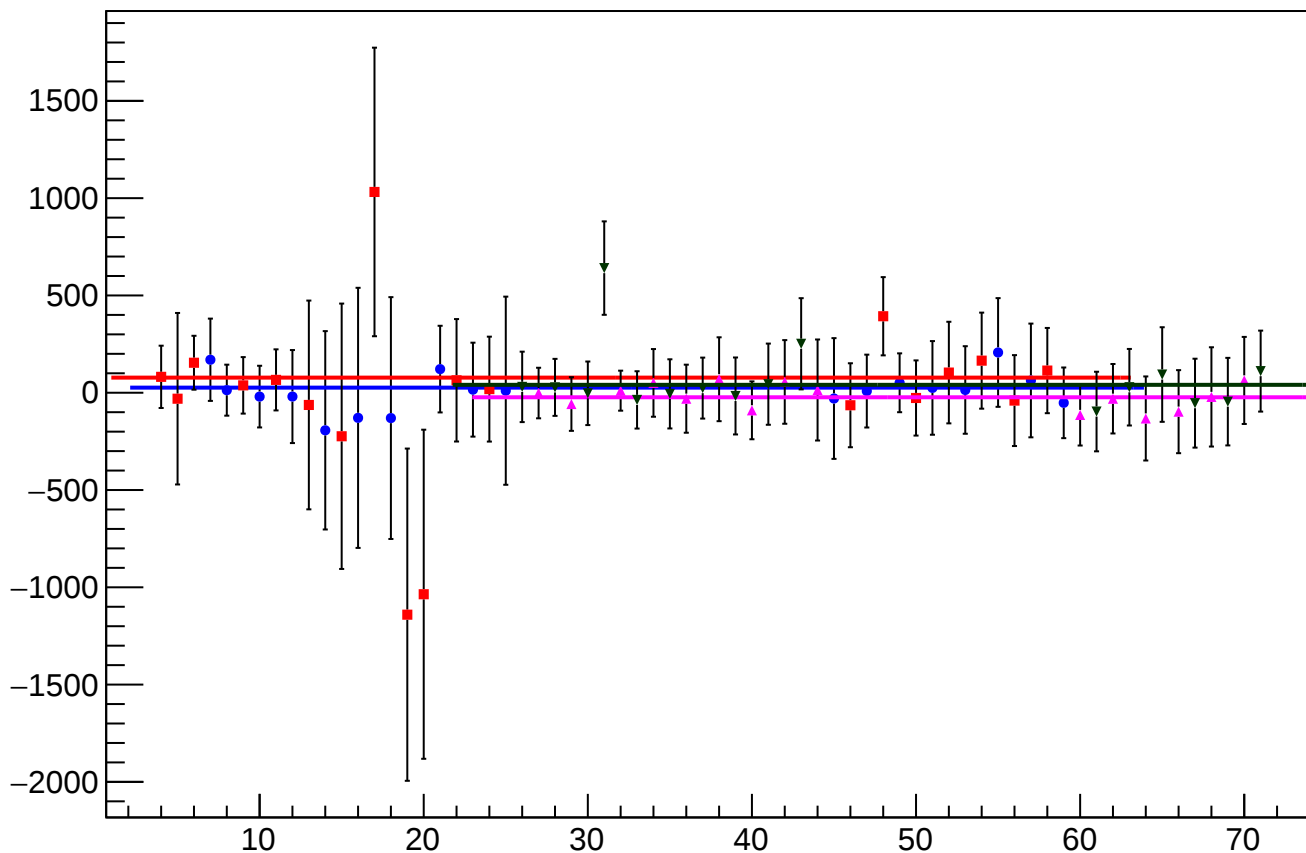
Right Out: 120.035+/-0.028 χ^2/NDF : 93920.3/18

Left In: 121.032+/-0.030 χ^2/NDF : 516732.1/14

121.883+/-0.020 χ^2/NDF : 645909.0/33

120.496+/-0.020 χ^2/NDF : 611259.0/33

asym_bcm_an_ds_mean vs slug



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

Left Out: 40.605+/-47.361 χ^2/NDF : 8.5/15

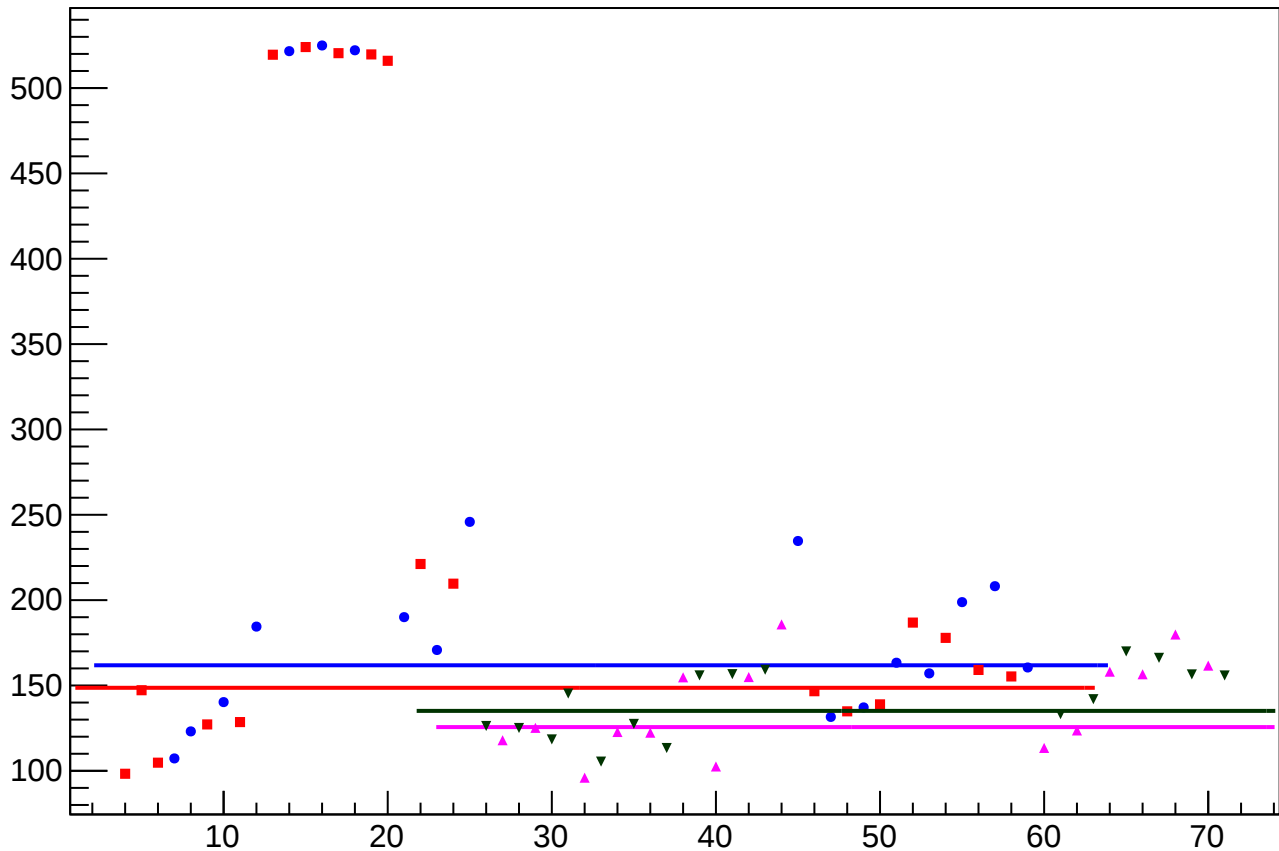
Right Out: 77.703+/-52.586 χ^2/NDF : 9.8/18

Left In: -23.338+/-43.604 χ^2/NDF : 1.8/14

34.164+/-35.169 χ^2/NDF : 10.3/33

17.829+/-33.566 χ^2/NDF : 13.8/33

asym_bcm_an_ds_rms vs slug



Right In: 161.835 ± 0.037 χ^2/NDF : 3018868.1/17

Left Out: 135.118 ± 0.033 χ^2/NDF : 345417.0/15

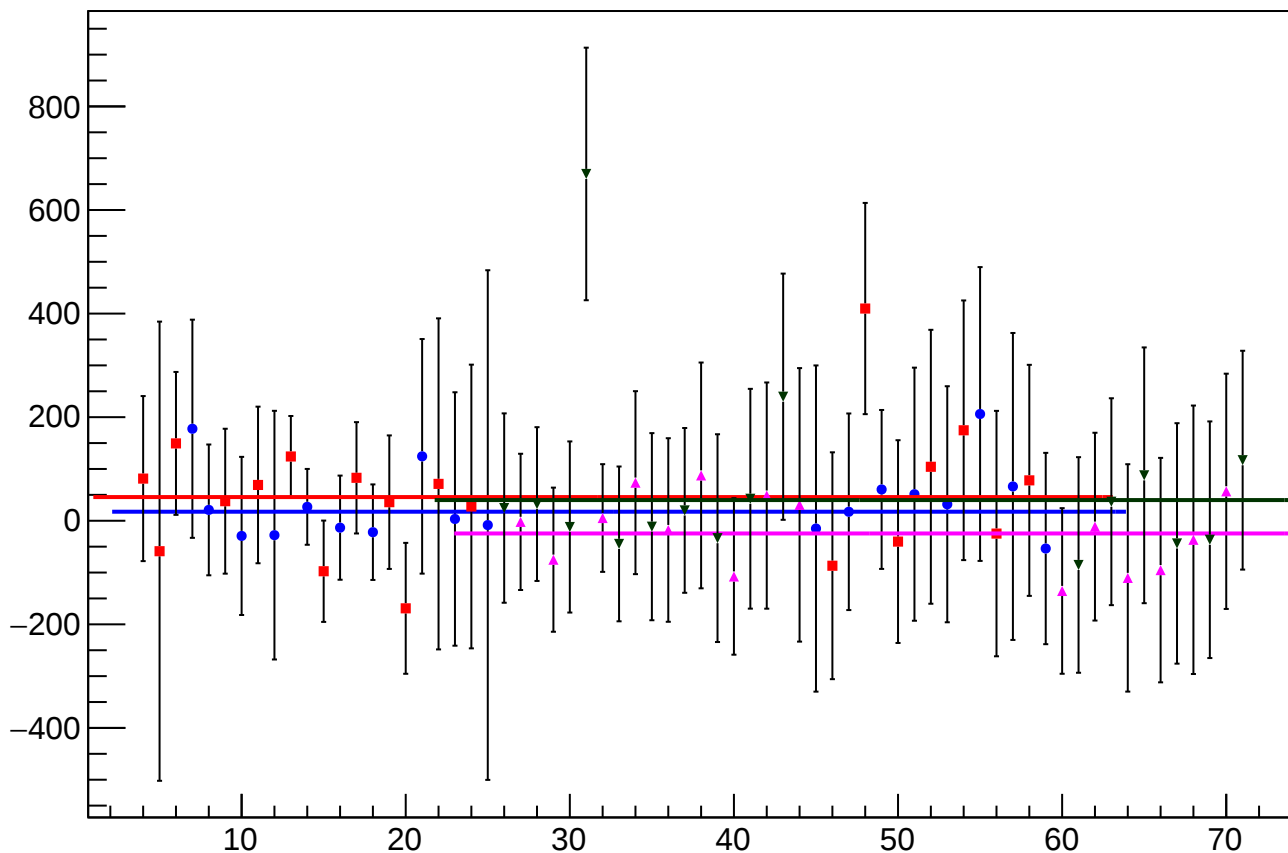
147.102 ± 0.025 χ^2/NDF : 3649781.7/33

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

135.005 ± 0.024 χ^2/NDF : 4467235.4/33

Left In: 125.626 ± 0.031 χ^2/NDF : 645539.9/14

asym_bcm_an_ds3_mean vs slug



Right In: 17.458+/-36.313 χ^2/NDF : 2.0/17

Left Out: 39.948+/-48.050 χ^2/NDF : 8.8/15

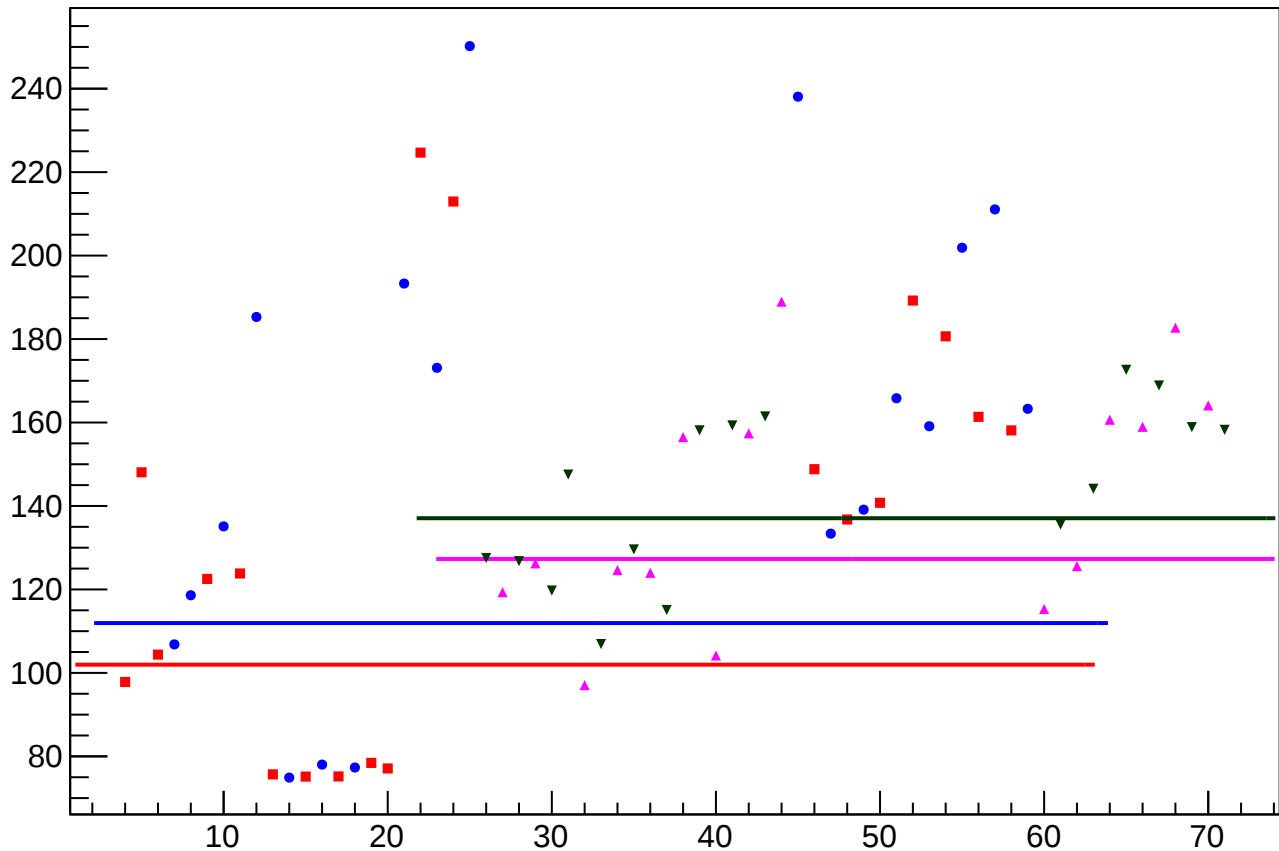
Right Out: 45.735+/-34.677 χ^2/NDF : 11.0/18

Left In: -24.532+/-44.198 χ^2/NDF : 2.2/14

25.633+/-28.971 χ^2/NDF : 10.9/33

18.962+/-27.282 χ^2/NDF : 14.8/33

asym_bcm_an_ds3_rms vs slug



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

Left Out: 137.065+/-0.034 χ^2/NDF : 348863.0/15

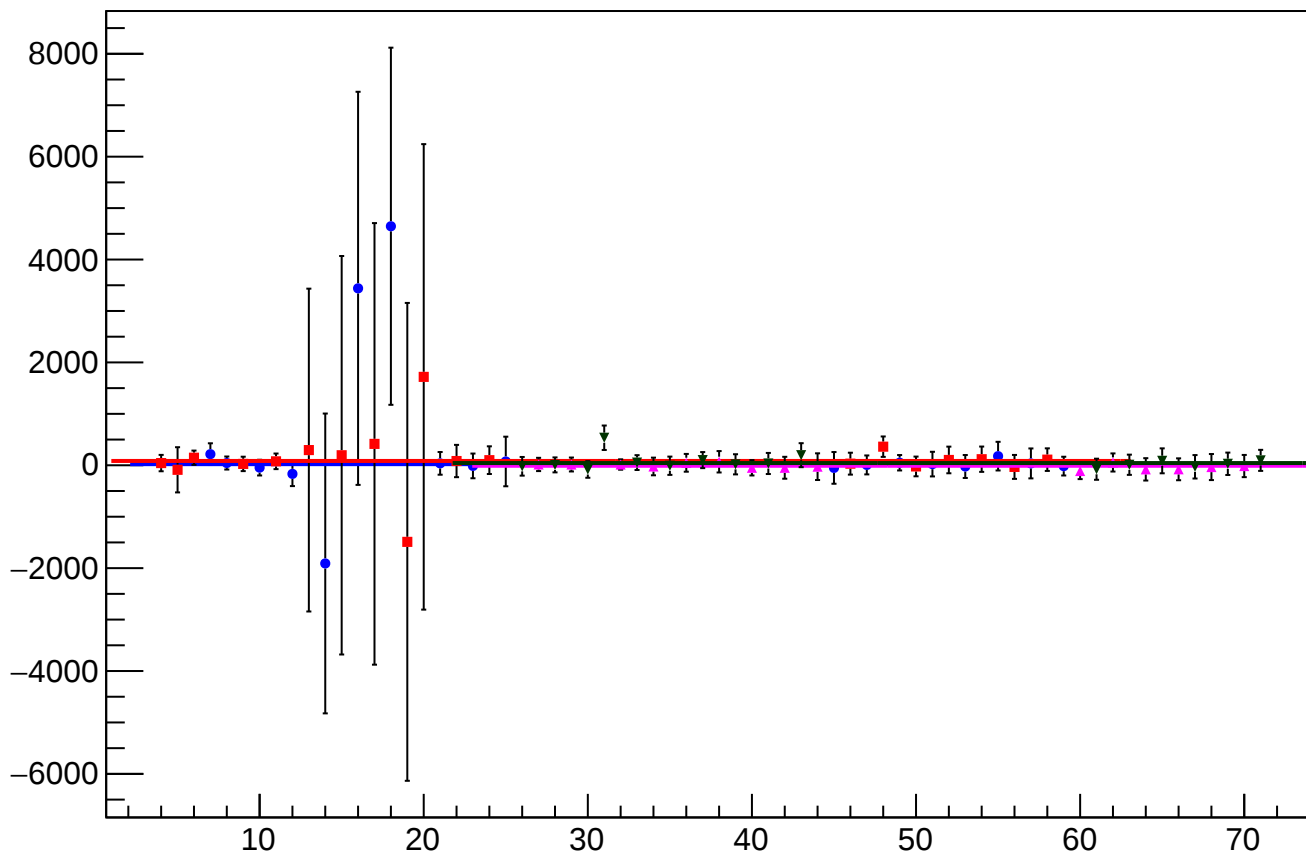
121.075+/-0.020 χ^2/NDF : 3669578.5/33

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

111.623+/-0.019 χ^2/NDF : 3330177.7/33

Left In: 127.300+/-0.031 χ^2/NDF : 651819.7/14

asym_bcm_an_us_mean vs slug



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

Left Out: 43.219+/-46.938 χ^2/NDF : 6.3/15

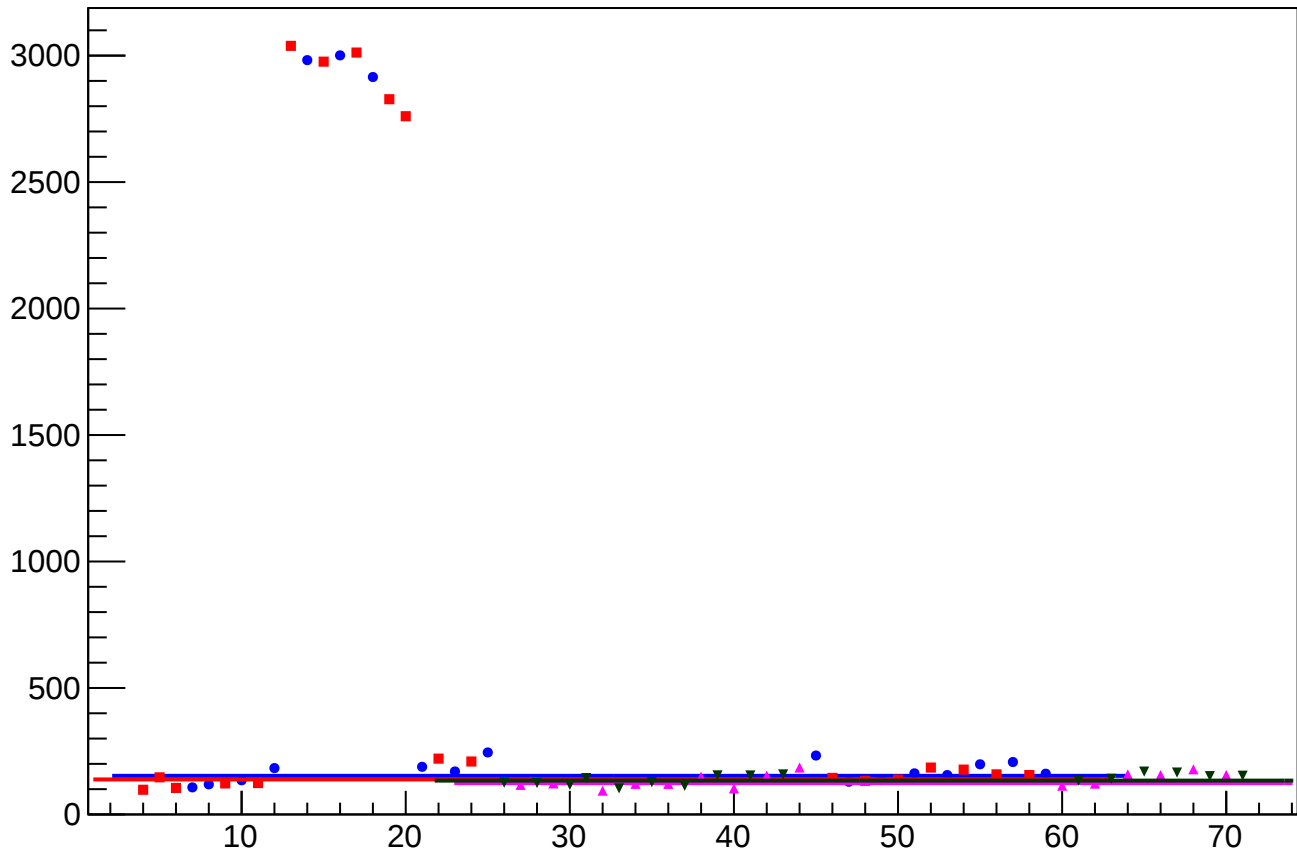
Right Out: 84.092+/-52.636 χ^2/NDF : 3.5/18

Left In: -9.224+/-43.103 χ^2/NDF : 1.3/14

33.664+/-34.952 χ^2/NDF : 11.7/33

28.234+/-33.348 χ^2/NDF : 6.6/33

asym_bcm_an_us_rms vs slug



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

Left Out: 133.815+/-0.033 χ^2/NDF :349041.9/15

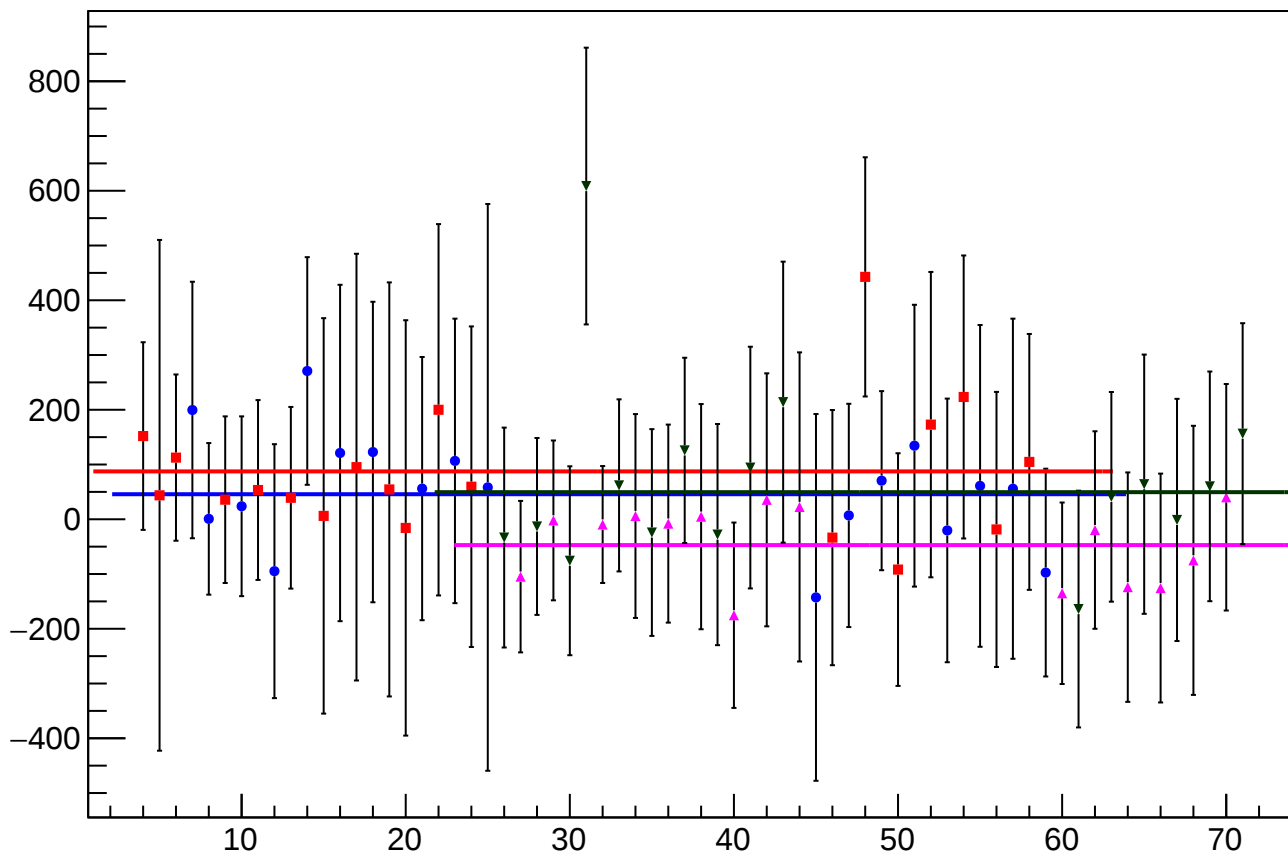
142.197+/-0.025 χ^2/NDF : 5509812.2/33

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

129.895+/-0.024 χ^2/NDF : 6470285.3/33

Left In: 124.155+/-0.030 χ^2/NDF :647346.4/14

asym_bcm_dg_us_mean vs slug



Right In: 45.739 $\pm$ 52.604 χ^2 /NDF: 3.4/17

Left Out: 49.496 $\pm$ 49.370 χ^2 /NDF:8.0/15

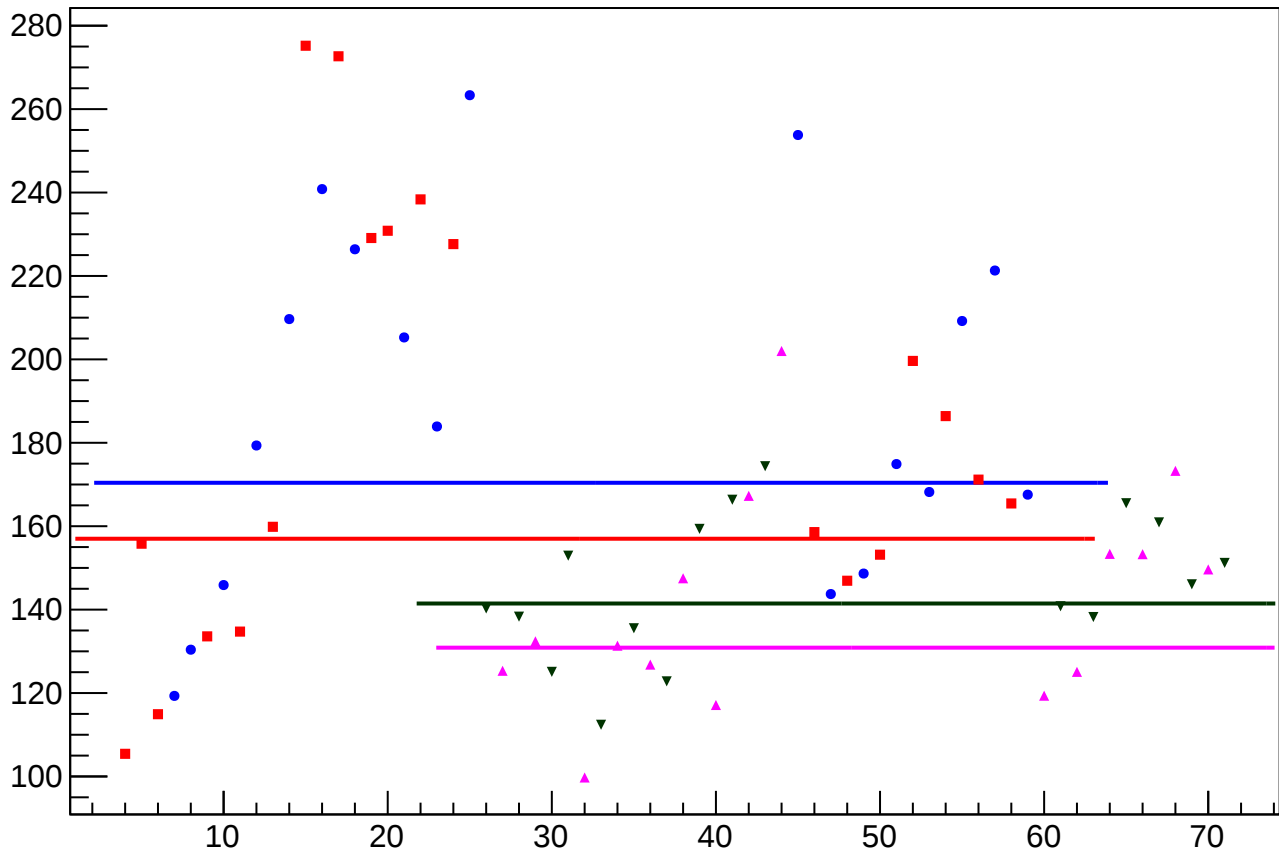
Right Out: 87.434 $\pm$ 51.940 χ^2 /NDF: 4.9/18

Left In: -47.180 $\pm$ 45.227 χ^2 /NDF:2.1/14

47.736 $\pm$ 35.999 χ^2 /NDF: 11.5/33

10.871 $\pm$ 34.109 χ^2 /NDF: 10.8/33

asym_bcm_dg_us_rms vs slug



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

Left Out: 141.467 $\pm$ 0.035 χ^2 /NDF: 234059.5/15

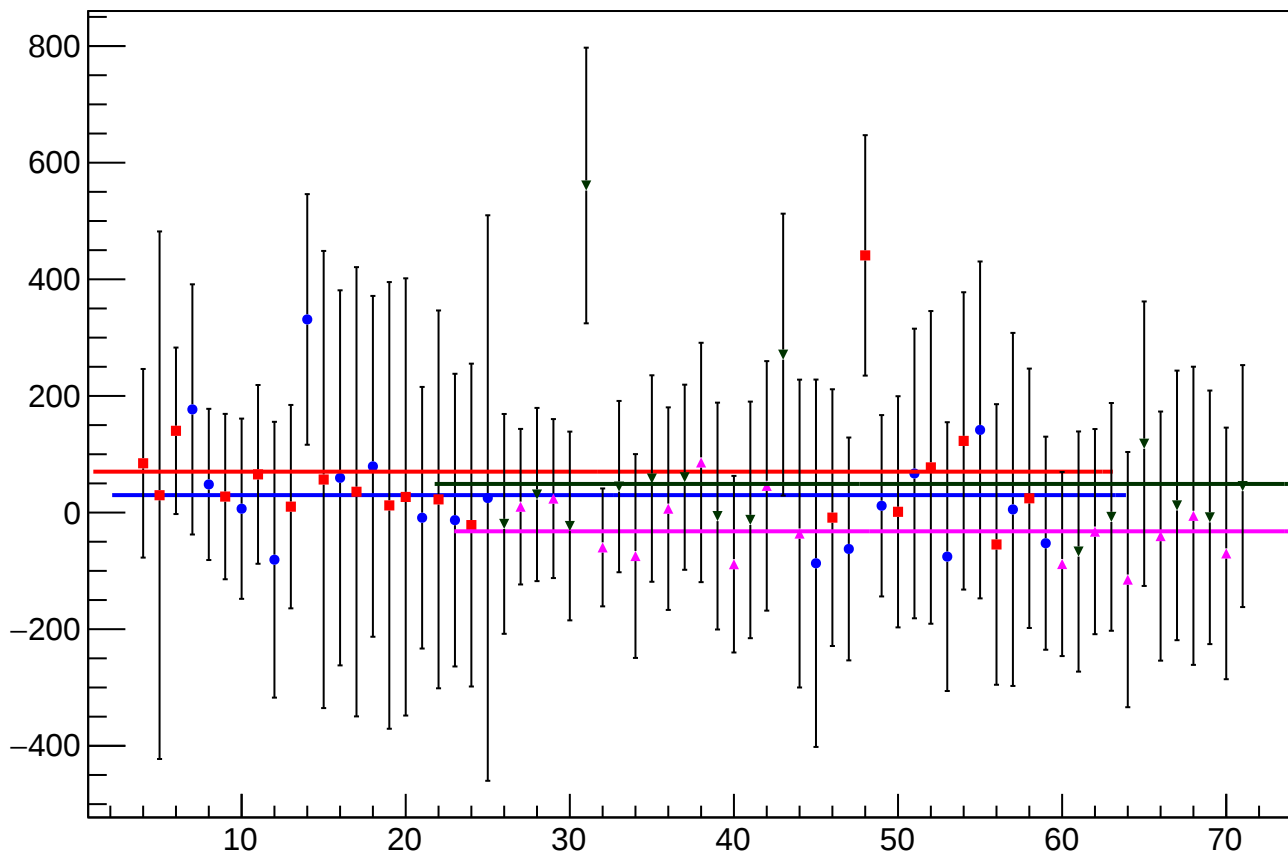
155.023 $\pm$ 0.025 χ^2 /NDF: 1520681.7/33

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

142.142 $\pm$ 0.024 χ^2 /NDF: 2075069.1/33

Left In: 130.879 $\pm$ 0.032 χ^2 /NDF: 510995.5/14

asym_bcm_dg_ds_mean vs slug



Right In: 29.919+/-50.591 χ^2/NDF : 3.8/17

Left Out: 49.083+/-47.402 χ^2/NDF : 6.6/15

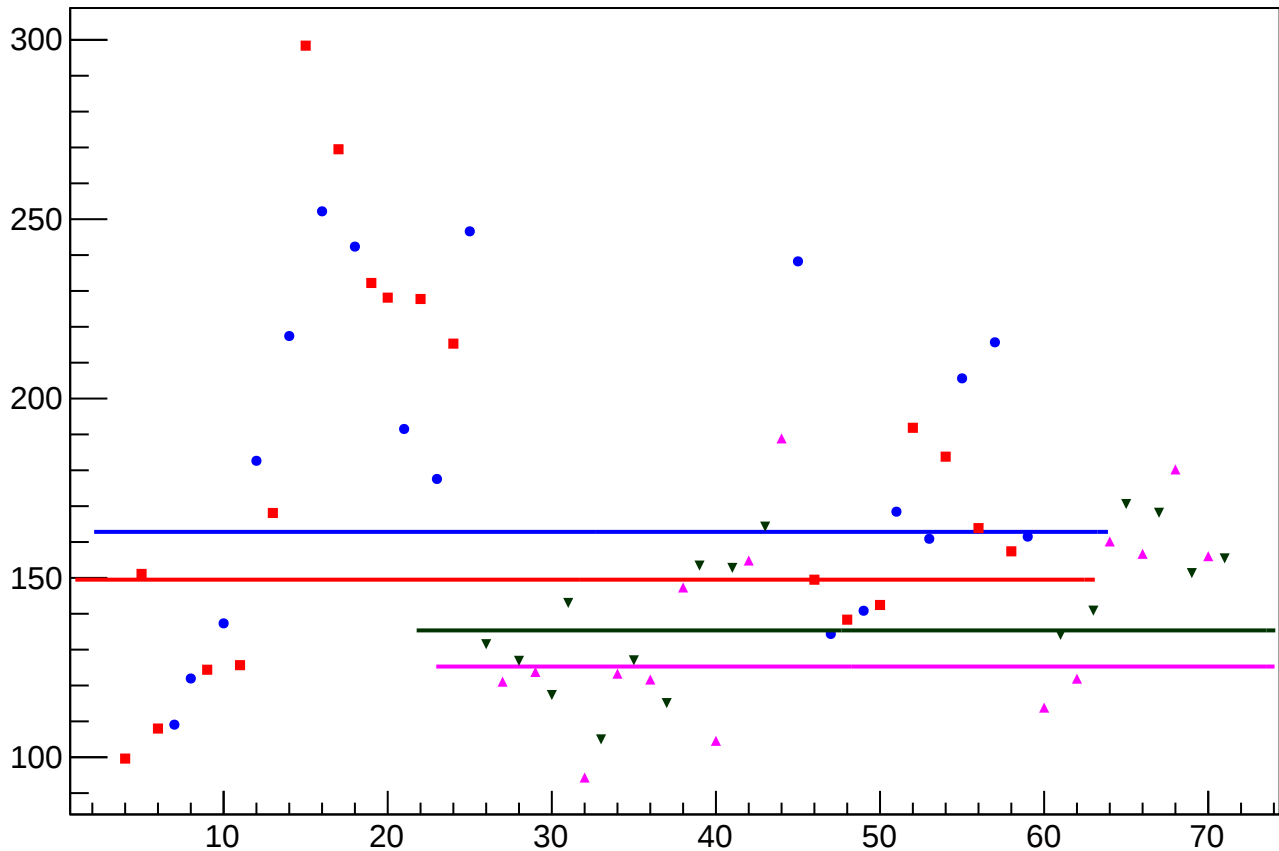
Right Out: 70.155+/-49.782 χ^2/NDF : 4.5/18

Left In: -32.144+/-43.465 χ^2/NDF : 1.4/14

40.124+/-34.591 χ^2/NDF : 10.5/33

12.107+/-32.742 χ^2/NDF : 8.2/33

asym_bcm_dg_ds_rms vs slug



Right In: 162.833+/-0.036 χ^2/NDF : 1229021.5/17

Left Out: 135.357+/-0.034 χ^2/NDF : 330721.9/15

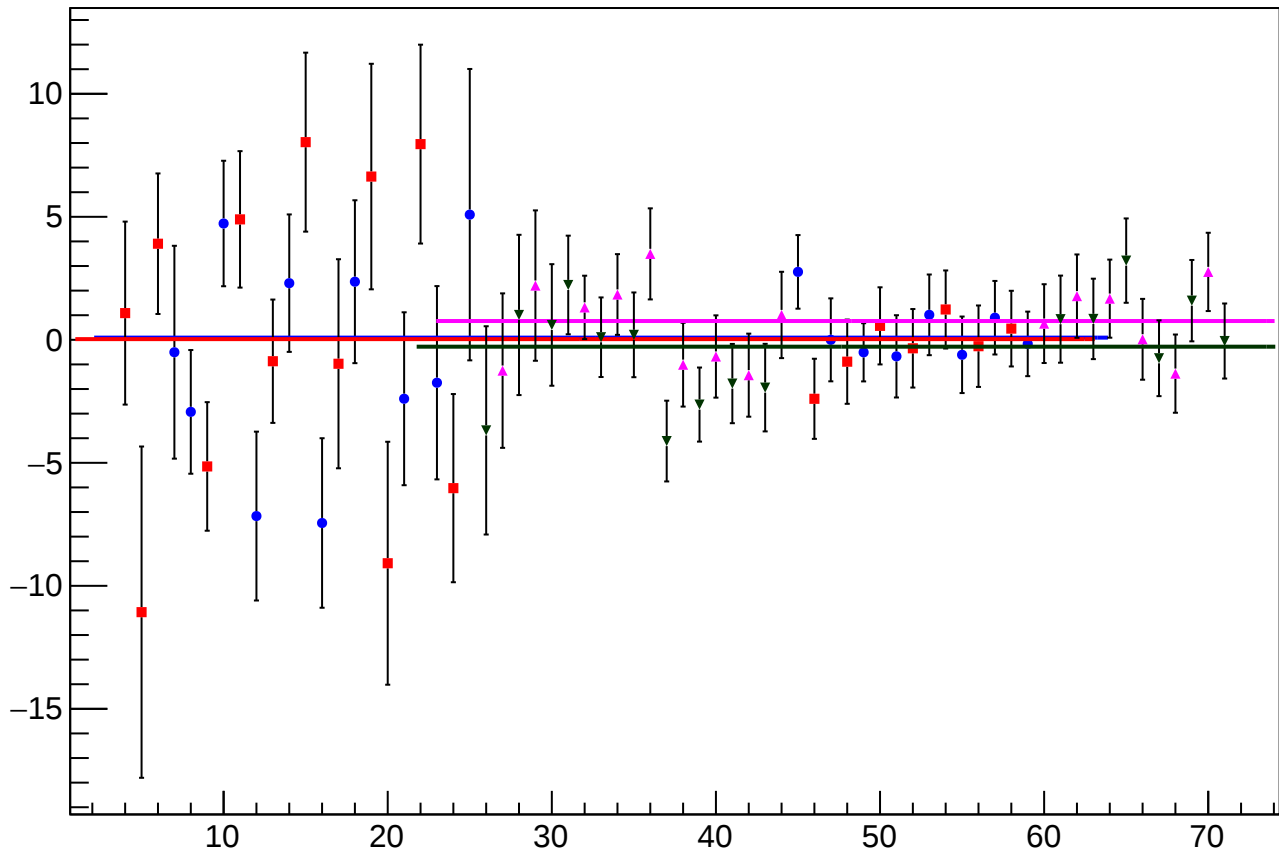
148.202+/-0.024 χ^2/NDF : 1873872.5/33

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

135.762+/-0.023 χ^2/NDF : 2403339.2/33

Left In: 125.285+/-0.031 χ^2/NDF : 643969.8/14

asym_cav4bQ_mean vs slug



Right In: 0.089 ± 0.466 χ^2/NDF : 21.1/17

Left Out: -0.279 ± 0.445 χ^2/NDF : 18.7/15

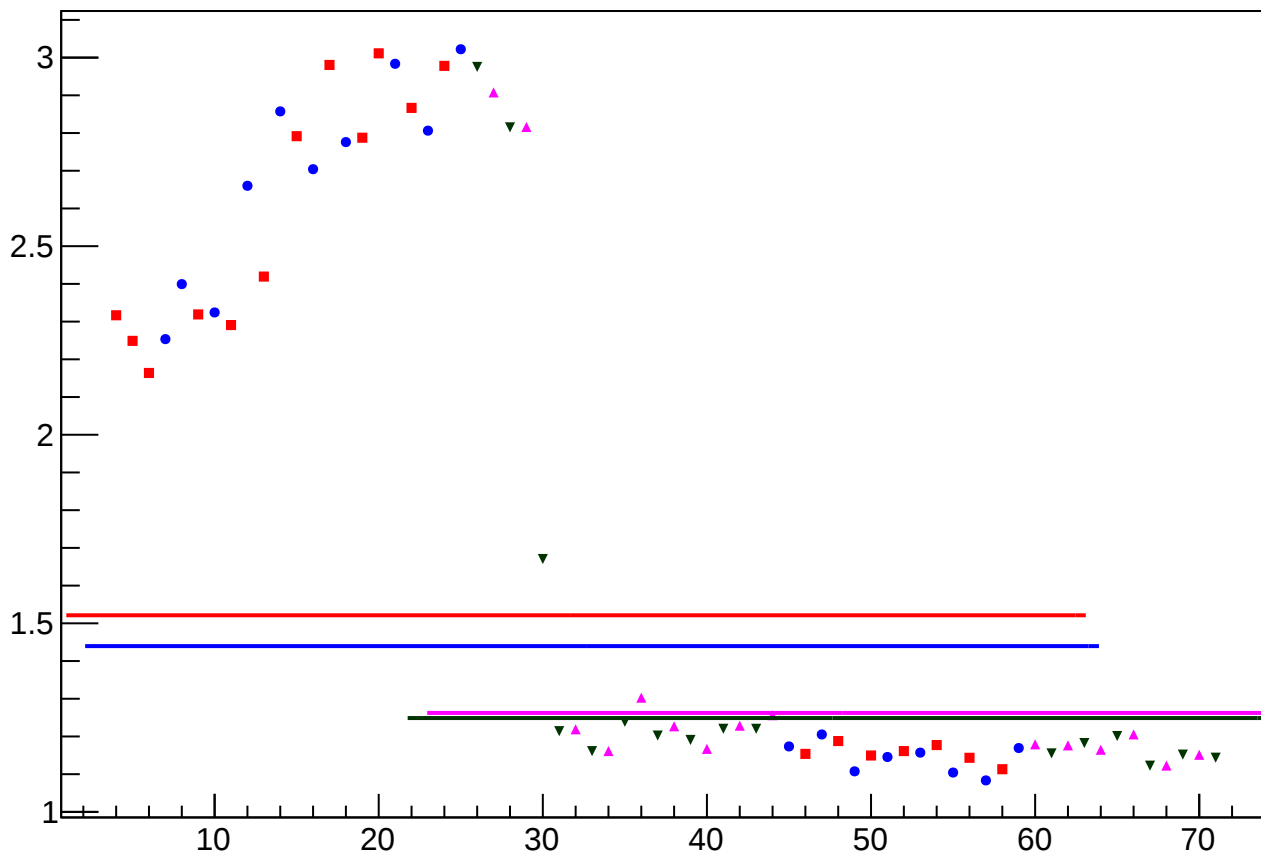
Right Out: 0.028 ± 0.520 χ^2/NDF : 31.9/18

Left In: 0.764 ± 0.441 χ^2/NDF : 11.3/14

-0.103 ± 0.322 χ^2/NDF : 40.1/33

0.456 ± 0.336 χ^2/NDF : 44.3/33

asym_cav4bQ_rms vs slug



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3409388.4/17

Left Out: 1.249 $\pm$ 0.000 χ^2 /NDF:905911.4/15

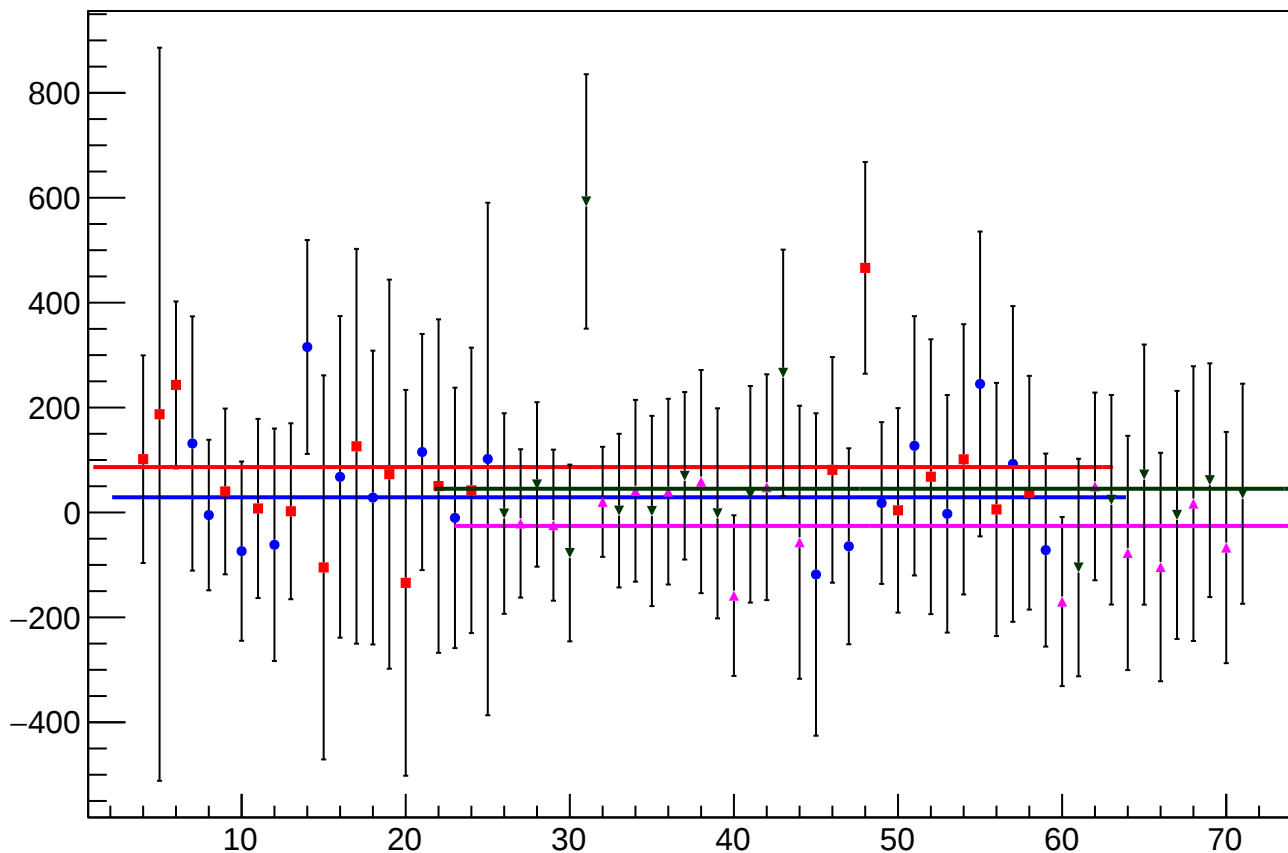
Right Out: 1.521 $\pm$ 0.000 χ^2 /NDF: 2870549.2/18

Left In: 1.262 $\pm$ 0.000 χ^2 /NDF:1130704.8/14

1.340 $\pm$ 0.000 χ^2 /NDF: 4490676.2/33

1.371 $\pm$ 0.000 χ^2 /NDF: 4290142.5/33

asym_cav4cQ_mean vs slug



Right In: 28.930 $\pm$ 51.478 χ^2/NDF : 4.5/17

Left Out: 45.224 $\pm$ 48.318 χ^2/NDF : 7.4/15

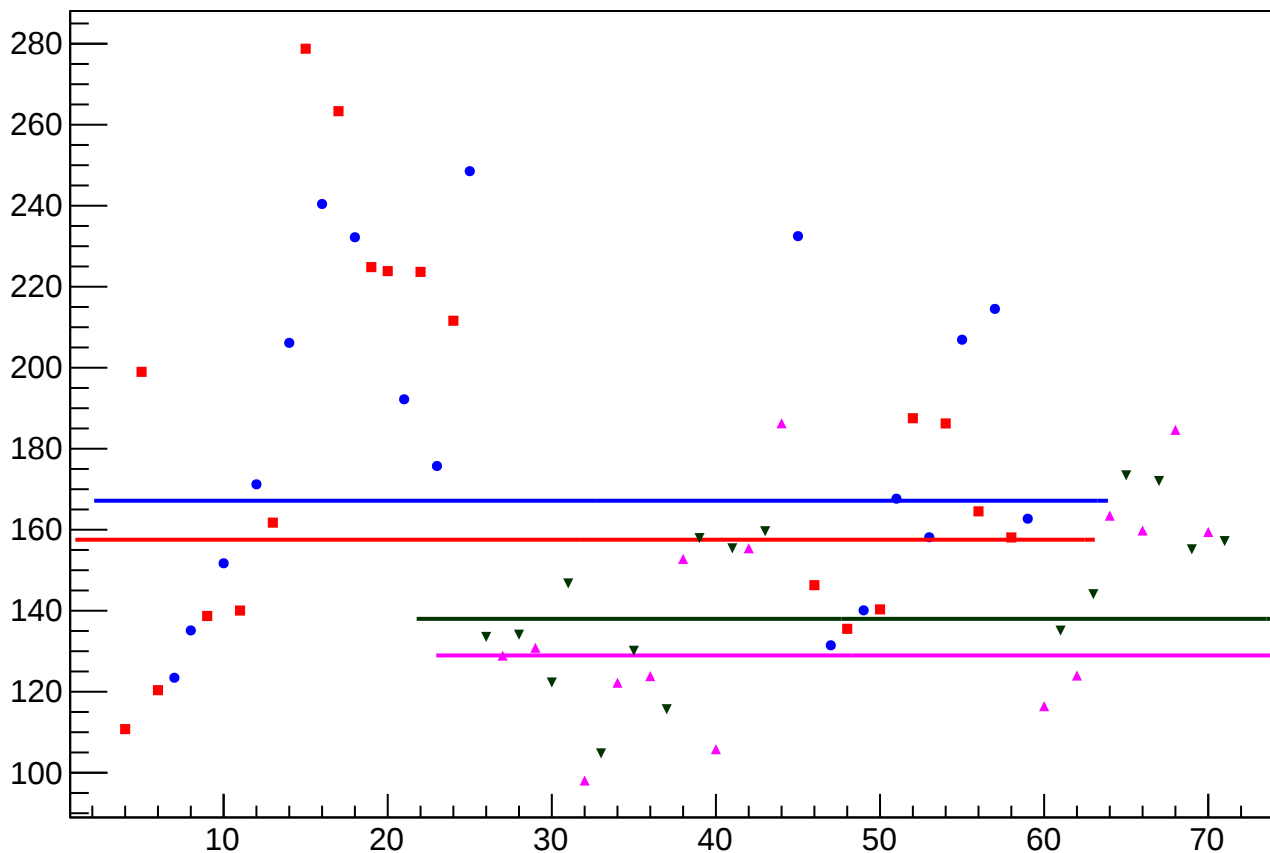
Right Out: 86.558 $\pm$ 52.059 χ^2/NDF : 6.1/18

Left In: -25.610 $\pm$ 44.658 χ^2/NDF : 2.7/14

37.592 $\pm$ 35.231 χ^2/NDF : 12.0/33

21.941 $\pm$ 33.895 χ^2/NDF : 11.5/33

asym_cav4cQ_rms vs slug



Right In: 167.159+/-0.036 χ^2/NDF : 875808.6/17

Left Out: 137.995+/-0.034 χ^2/NDF : 332210.3/15

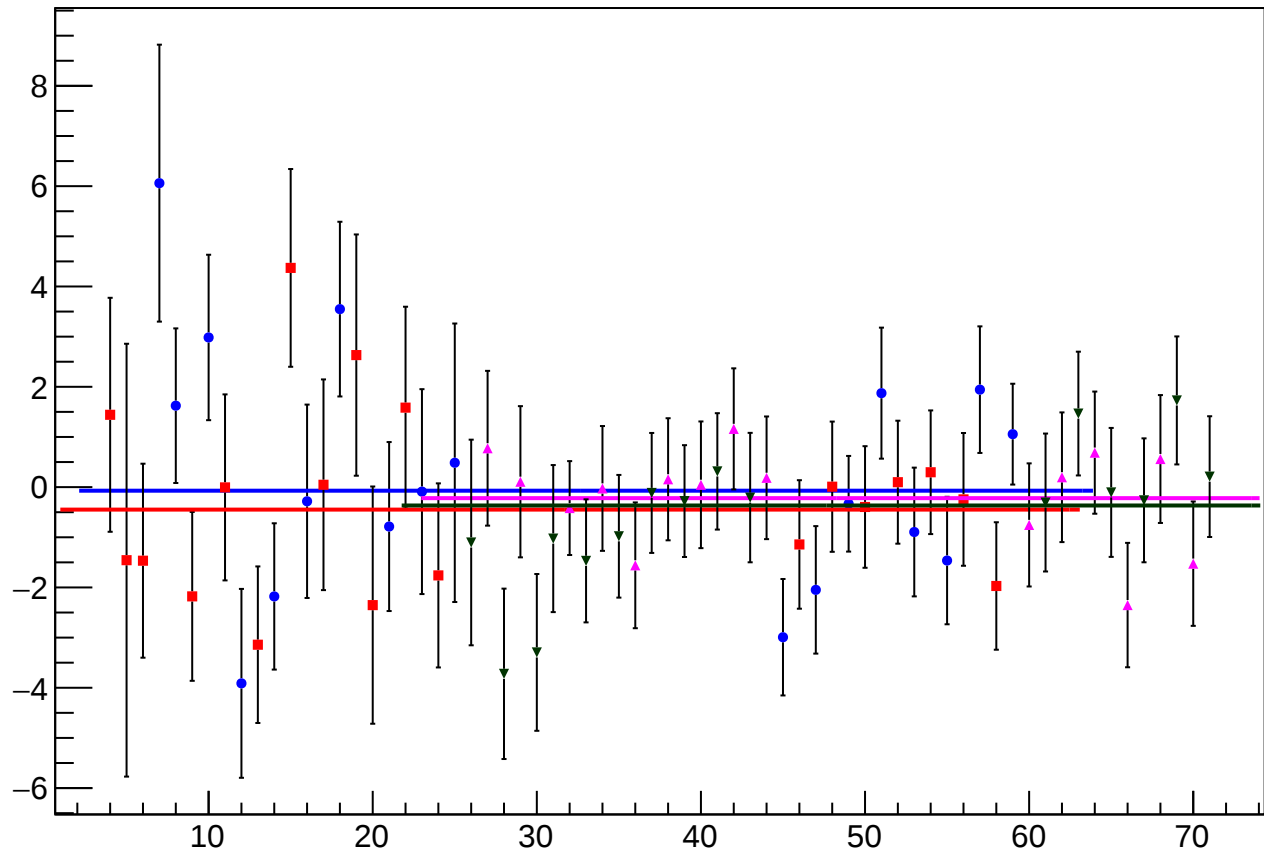
Right Out: 157.534+/-0.037 χ^2/NDF : 1049684.2/18

Left In: 128.956+/-0.032 χ^2/NDF : 606462.4/14

151.654+/-0.025 χ^2/NDF : 1549274.3/33

141.071+/-0.024 χ^2/NDF : 2003354.9/33

asym_cav4dQ_mean vs slug



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

Left Out: -0.366 ± 0.326 χ^2/NDF : 14.4/15

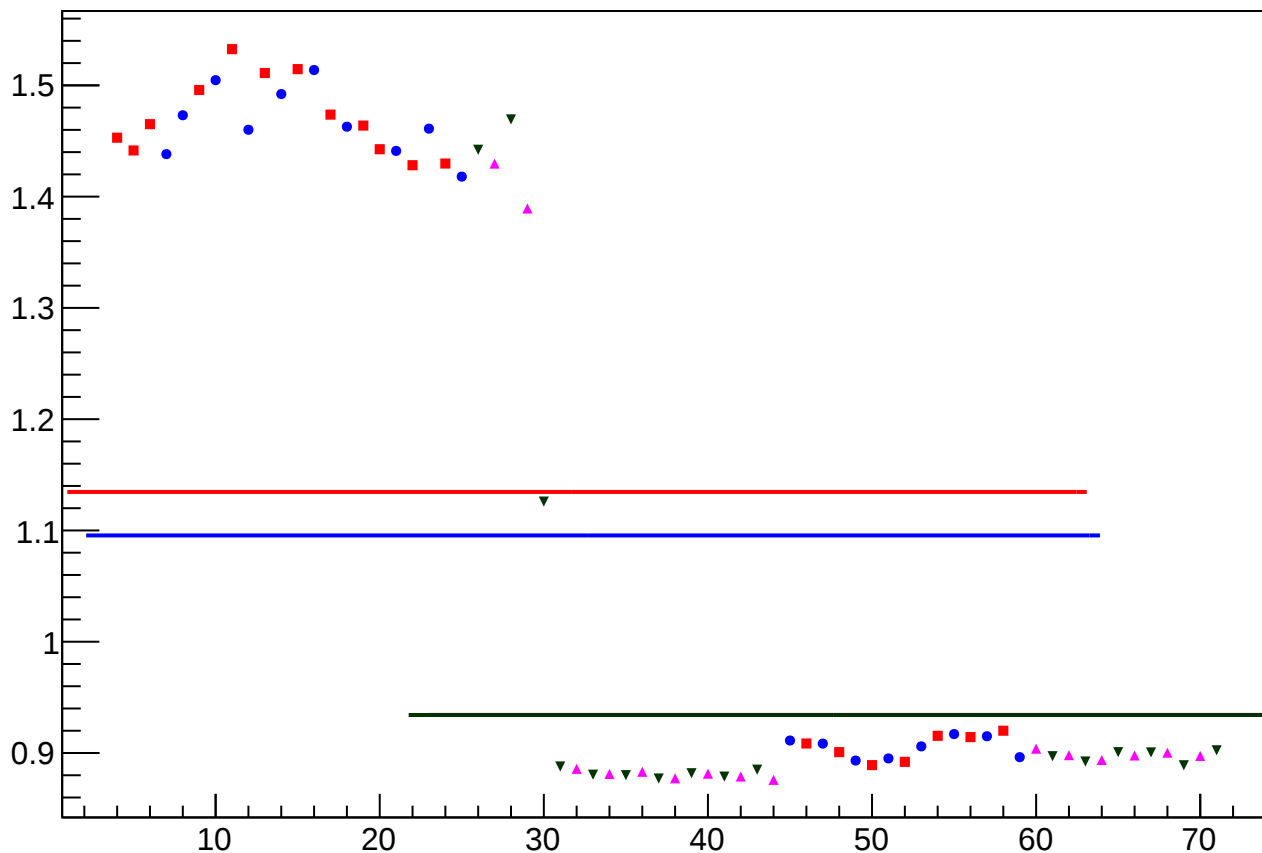
Right Out: -0.448 ± 0.369 χ^2/NDF : 17.4/18

Left In: -0.220 ± 0.320 χ^2/NDF : 8.5/14

-0.223 ± 0.234 χ^2/NDF : 51.6/33

-0.318 ± 0.242 χ^2/NDF : 26.1/33

asym_cav4dQ_rms vs slug



Right In: 1.096+/-0.000 χ^2/NDF : 1288766.9/17

Left Out: 0.934+/-0.000 χ^2/NDF : 388228.0/15

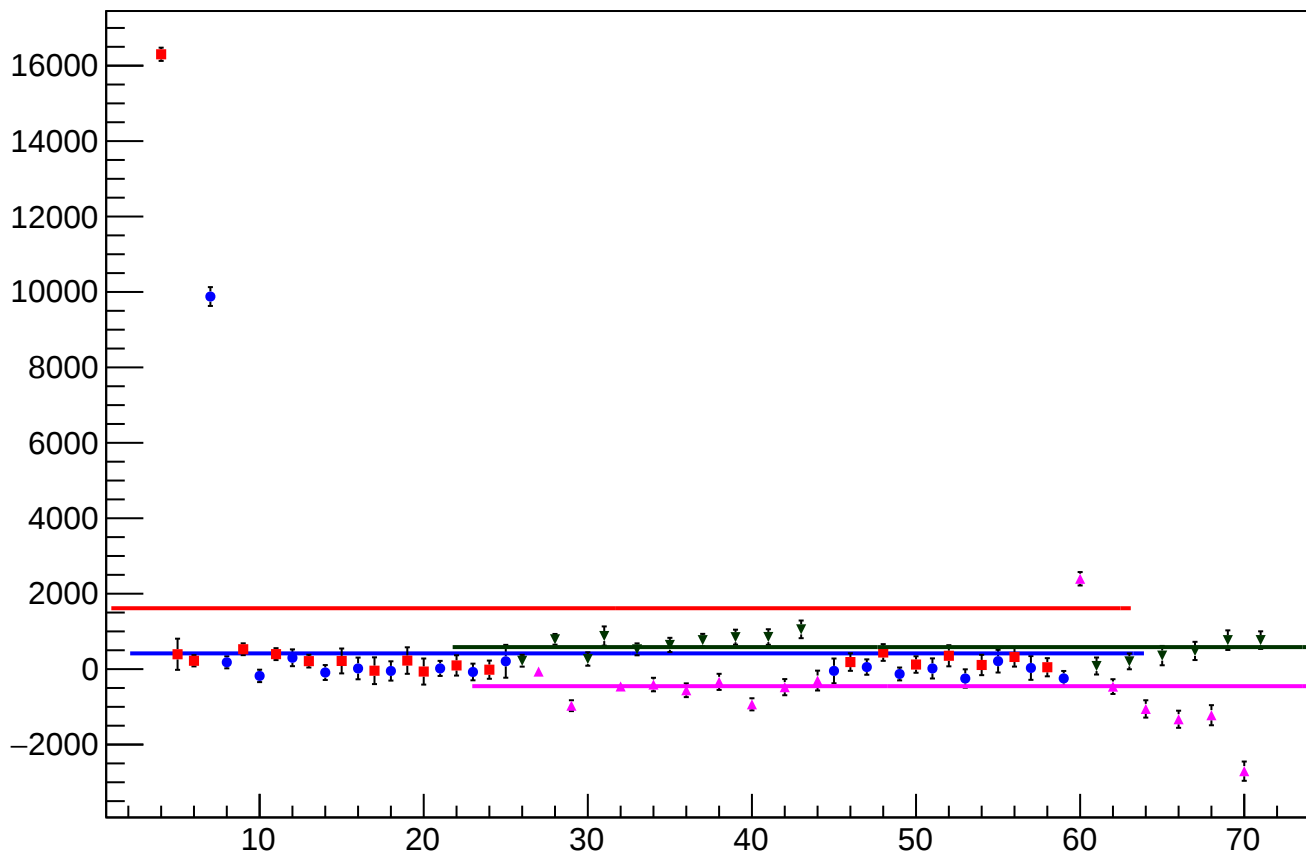
Right Out: 1.135+/-0.000 χ^2/NDF : 1161881.6/18

Left In: 0.934+/-0.000 χ^2/NDF : 427463.5/14

1.013+/-0.000 χ^2/NDF : 1914731.7/33

1.020+/-0.000 χ^2/NDF : 1926148.2/33

asym_bcm0l02_mean vs slug



Right In: 417.186+/-52.636 χ^2/NDF : 1507.9/17

Left Out: 583.774+/-48.997 χ^2/NDF : 31.2/15

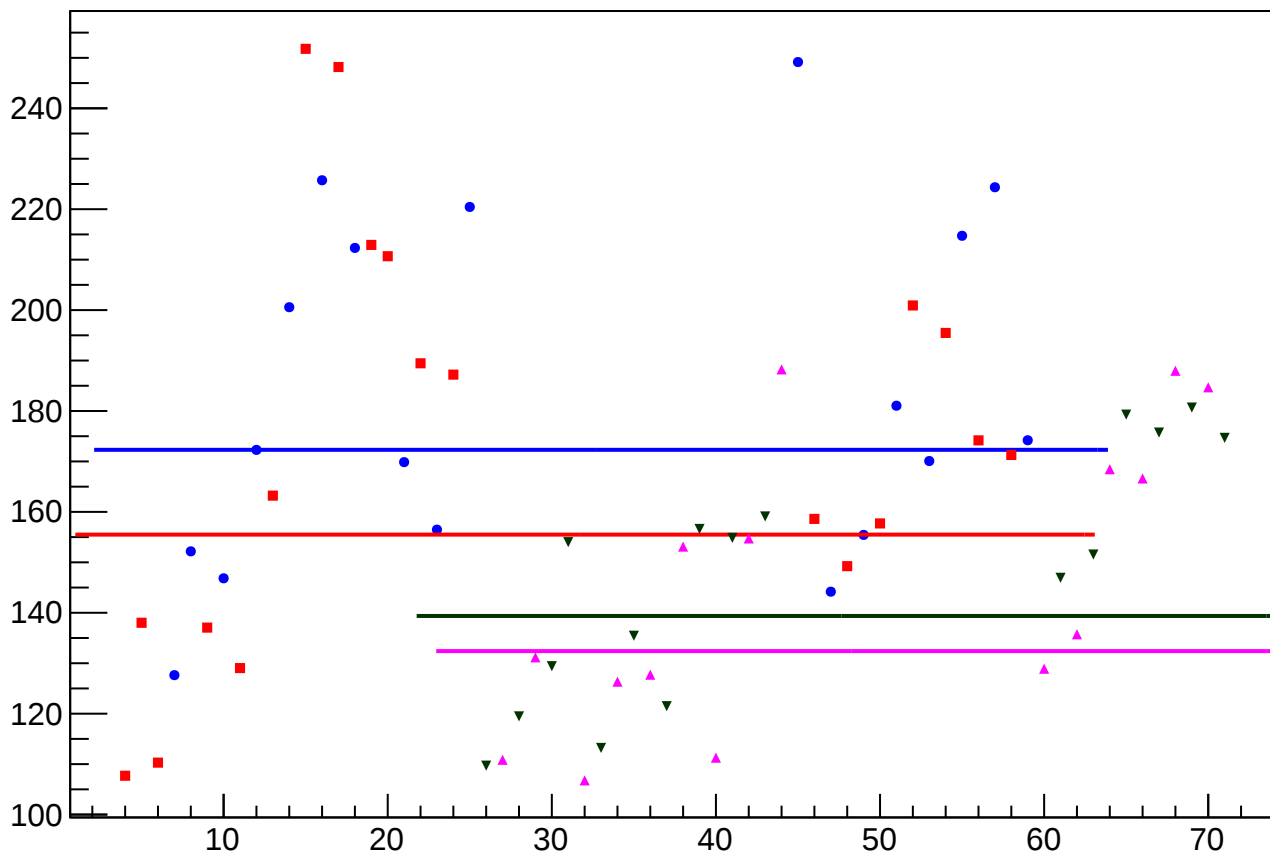
Right Out: 1614.499+/-51.138 χ^2/NDF : 7665.3/18

Left In: -452.052+/-45.779 χ^2/NDF : 397.0/14

506.436+/-35.864 χ^2/NDF : 1544.5/33

467.294+/-34.108 χ^2/NDF : 8968.8/33

asym_bcm0l02_rms vs slug



Right In: 172.303+/-0.037 χ^2/NDF : 600813.3/17

Left Out: 139.369+/-0.035 χ^2/NDF :442572.4/15

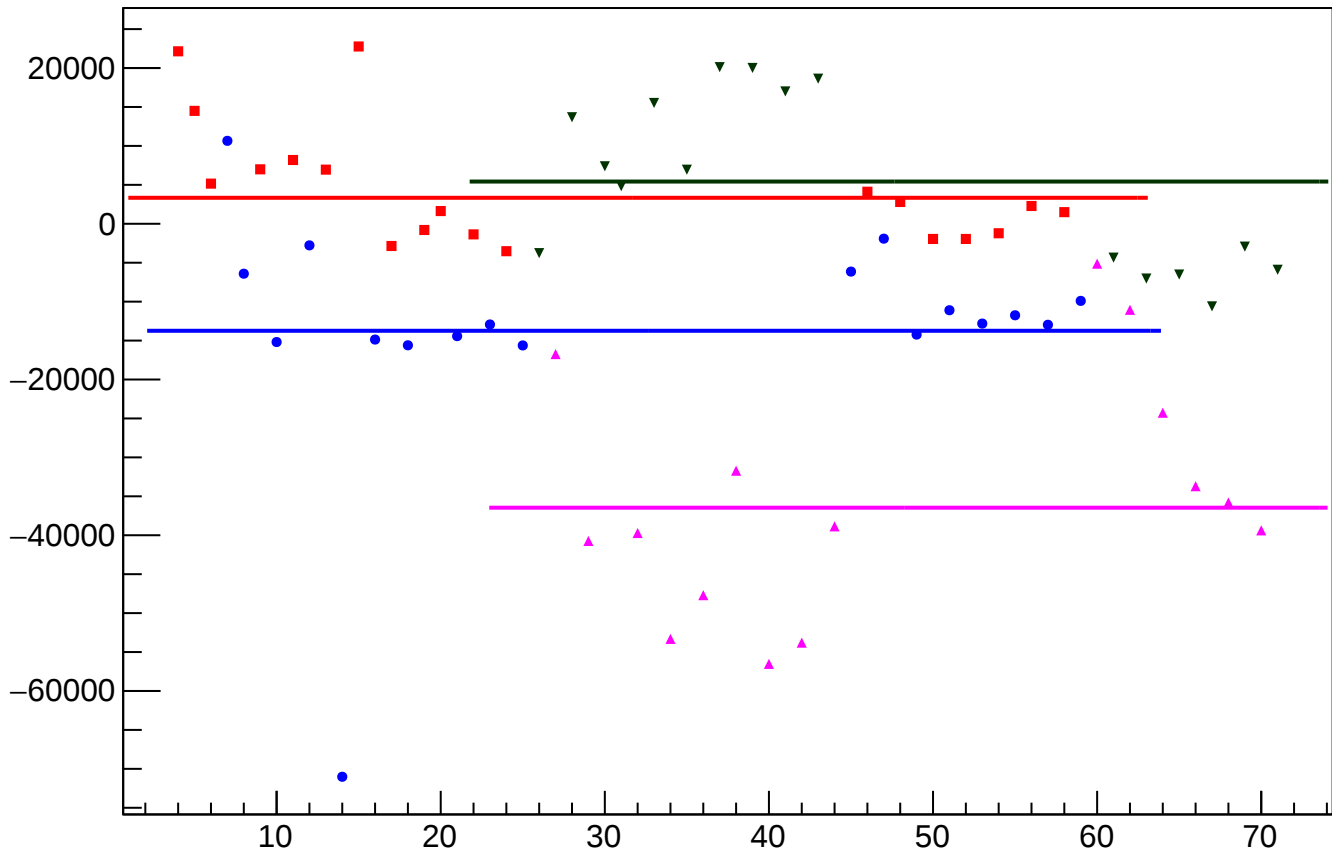
154.659+/-0.025 χ^2/NDF : 1462884.7/33

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

142.678+/-0.024 χ^2/NDF : 1845209.9/33

Left In: 132.407+/-0.032 χ^2/NDF :600185.5/14

asym_bpm2i01WS_mean vs slug



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

Left Out: 5424.101 ± 32.692 χ^2/NDF : 118858.3/15

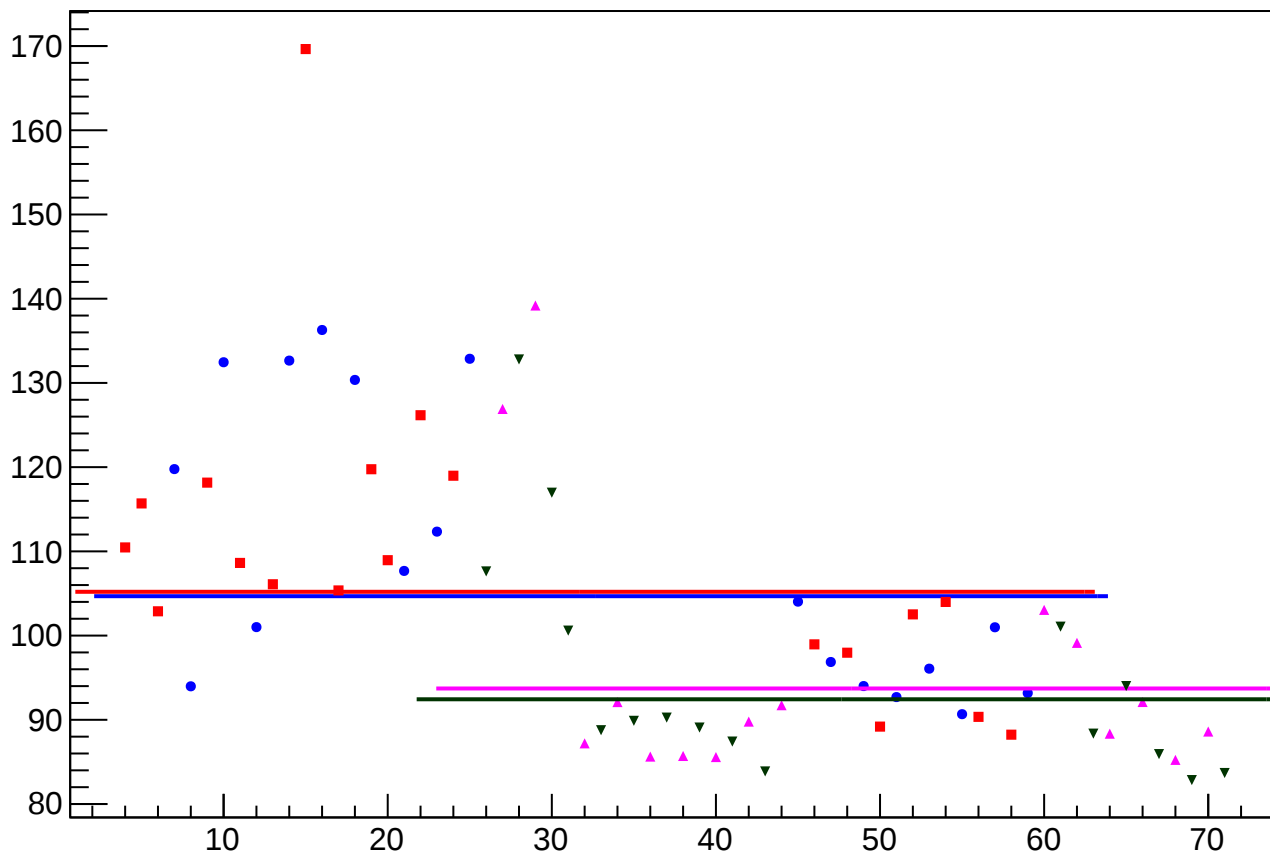
Right Out: 3338.926 ± 34.258 χ^2/NDF : 31361.1/18

Left In: -36461.202 ± 32.587 χ^2/NDF : 181142.1/14

-4347.804 ± 22.887 χ^2/NDF : 516287.1/33

-17554.999 ± 23.611 χ^2/NDF : 921088.8/33

asym_bpm2i01WS_rms vs slug



Right In: 104.677 $\pm$ 0.023 χ^2 /NDF: 431749.6/17

Left Out: 92.437 $\pm$ 0.023 χ^2 /NDF:249857.6/15

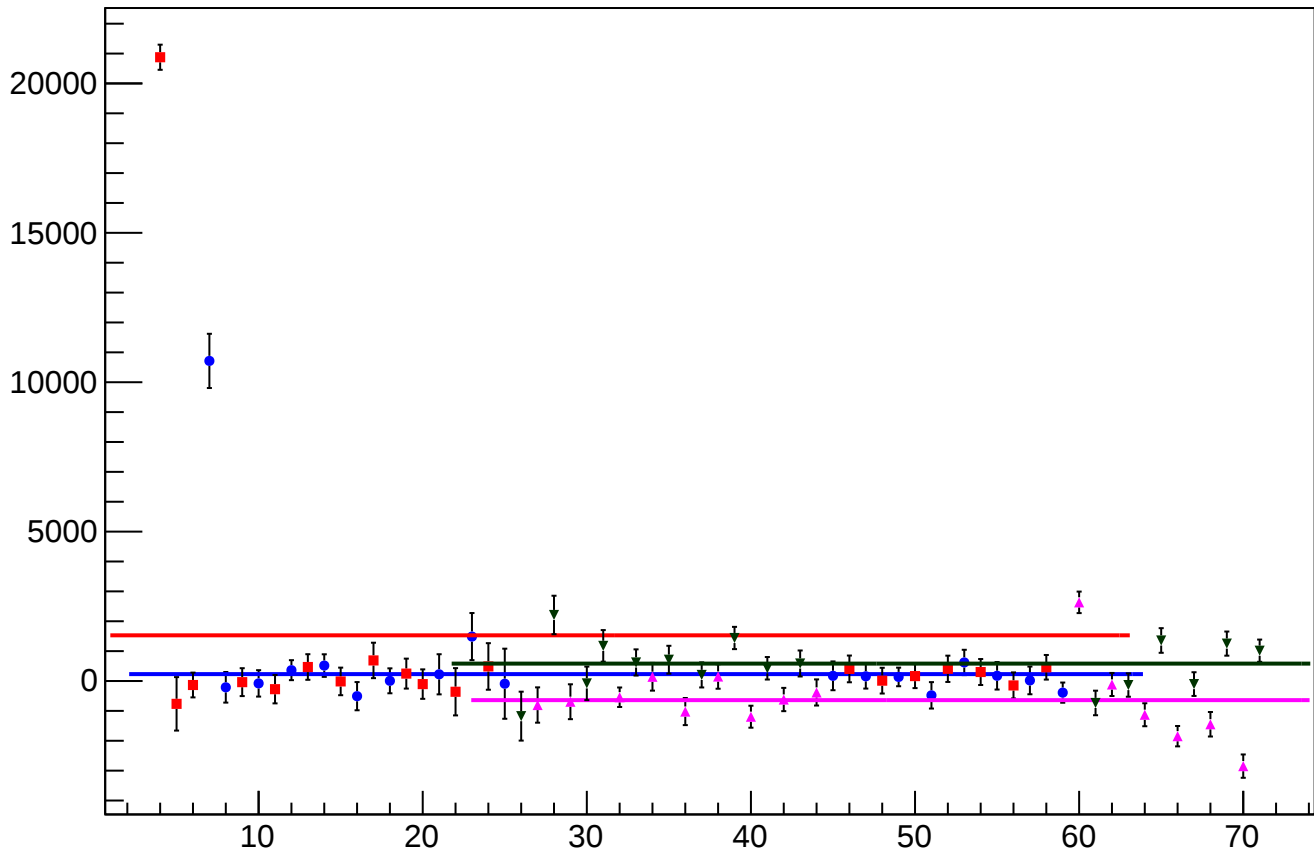
98.678 $\pm$ 0.016 χ^2 /NDF: 824548.0/33

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

99.173 $\pm$ 0.017 χ^2 /NDF: 799375.8/33

Left In: 93.718 $\pm$ 0.023 χ^2 /NDF:344702.6/14

asym_bpm0i07WS_mean vs slug



Right In: 230.965 $\pm$ 105.235 χ^2 /NDF: 148.0/17

Left Out: 582.500 $\pm$ 109.262 χ^2 /NDF: 44.3/15

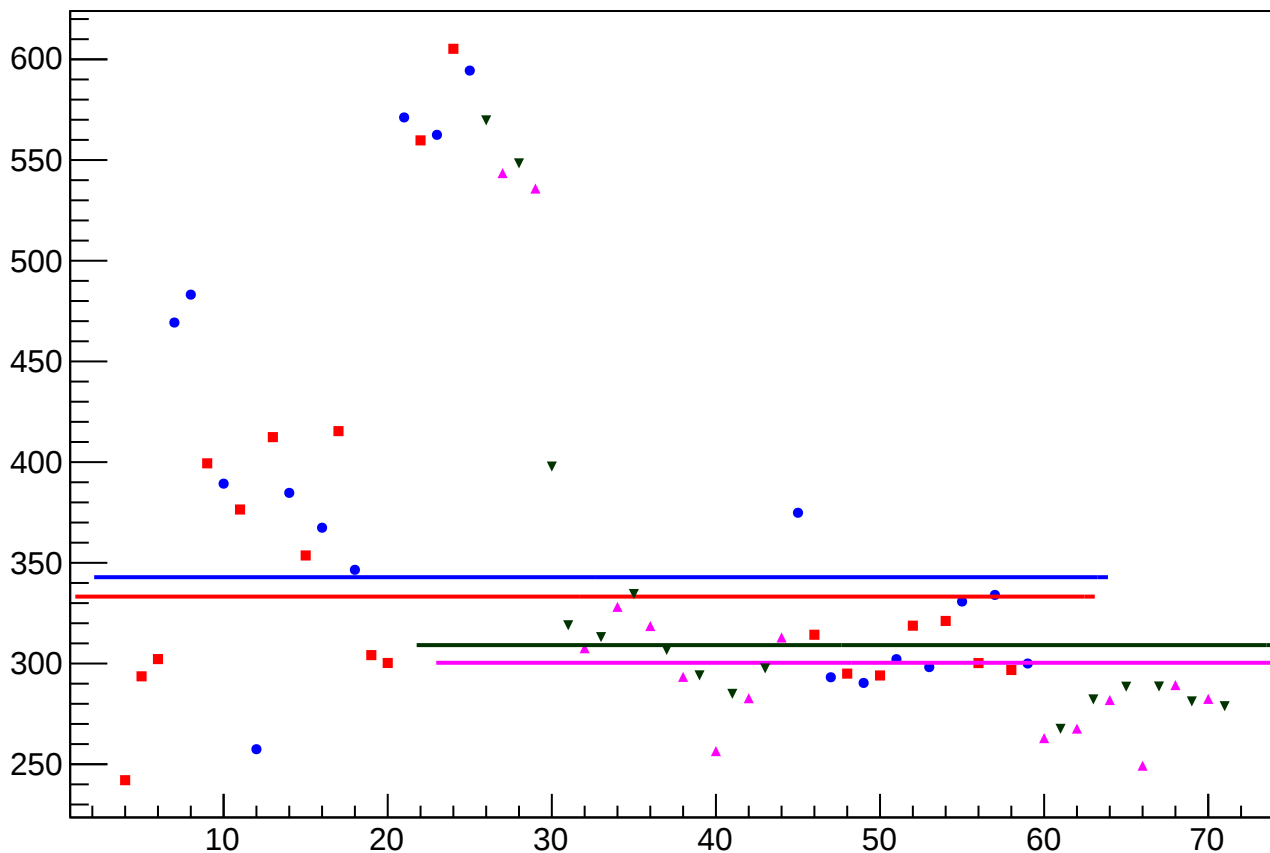
400.136 $\pm$ 75.796 χ^2 /NDF: 197.6/33

Right Out: 1529.045 $\pm$ 108.949 χ^2 /NDF: 2274.0/18

395.671 $\pm$ 75.287 χ^2 /NDF: 2625.8/33

Left In: -640.173 $\pm$ 104.156 χ^2 /NDF: 144.6/14

asym_bpm0i07WS_rms vs slug



Right In: 342.865 $\pm$ 0.074 χ^2 /NDF: 1018623.1/17

Left Out: 309.145 $\pm$ 0.077 χ^2 /NDF: 611505.8/15

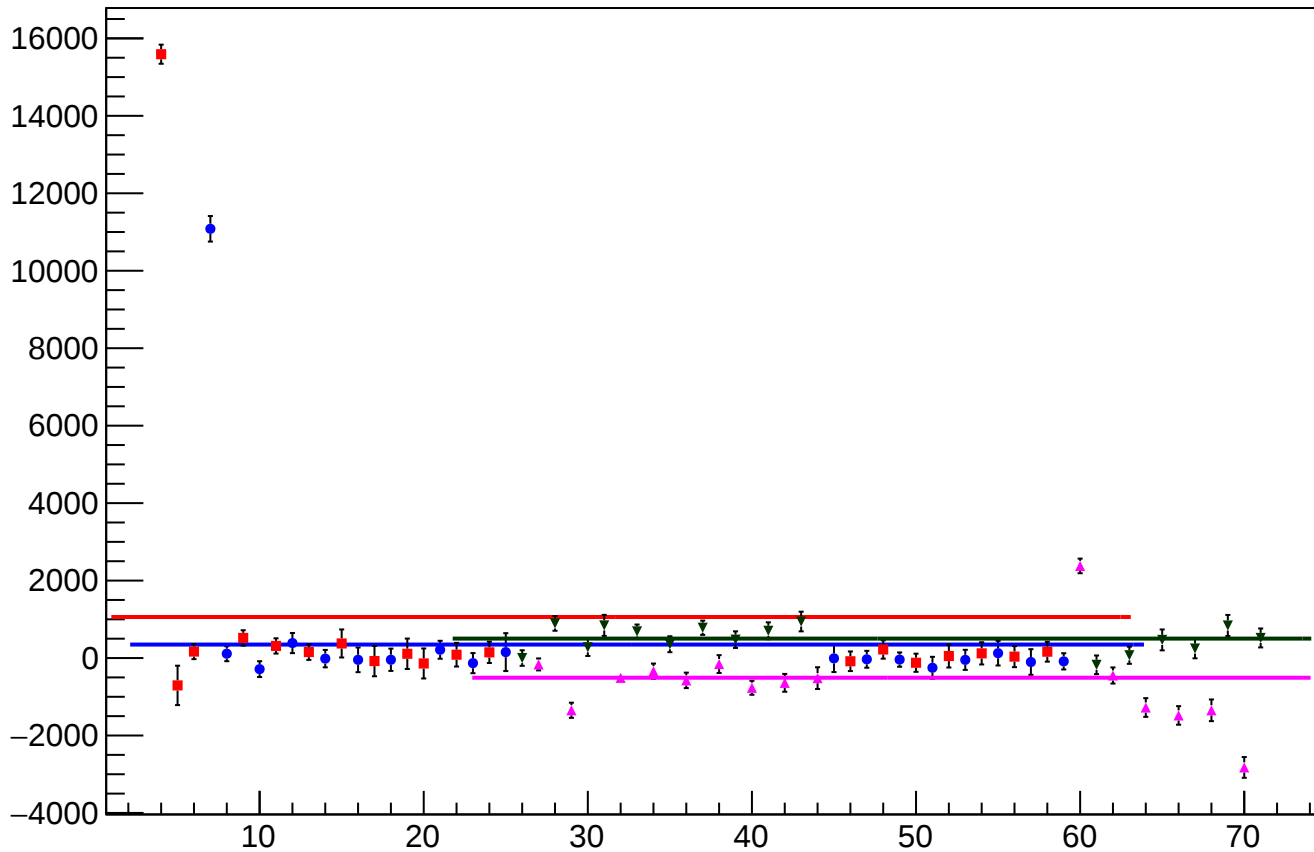
Right Out: 333.230 $\pm$ 0.077 χ^2 /NDF: 768934.3/18

Left In: 300.372 $\pm$ 0.074 χ^2 /NDF: 801036.9/14

326.638 $\pm$ 0.054 χ^2 /NDF: 1728950.2/33

316.062 $\pm$ 0.053 χ^2 /NDF: 1665019.3/33

asym_bpm0l01WS_mean vs slug



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

Left Out: 502.276 ± 55.368 χ^2/NDF : 35.1/15

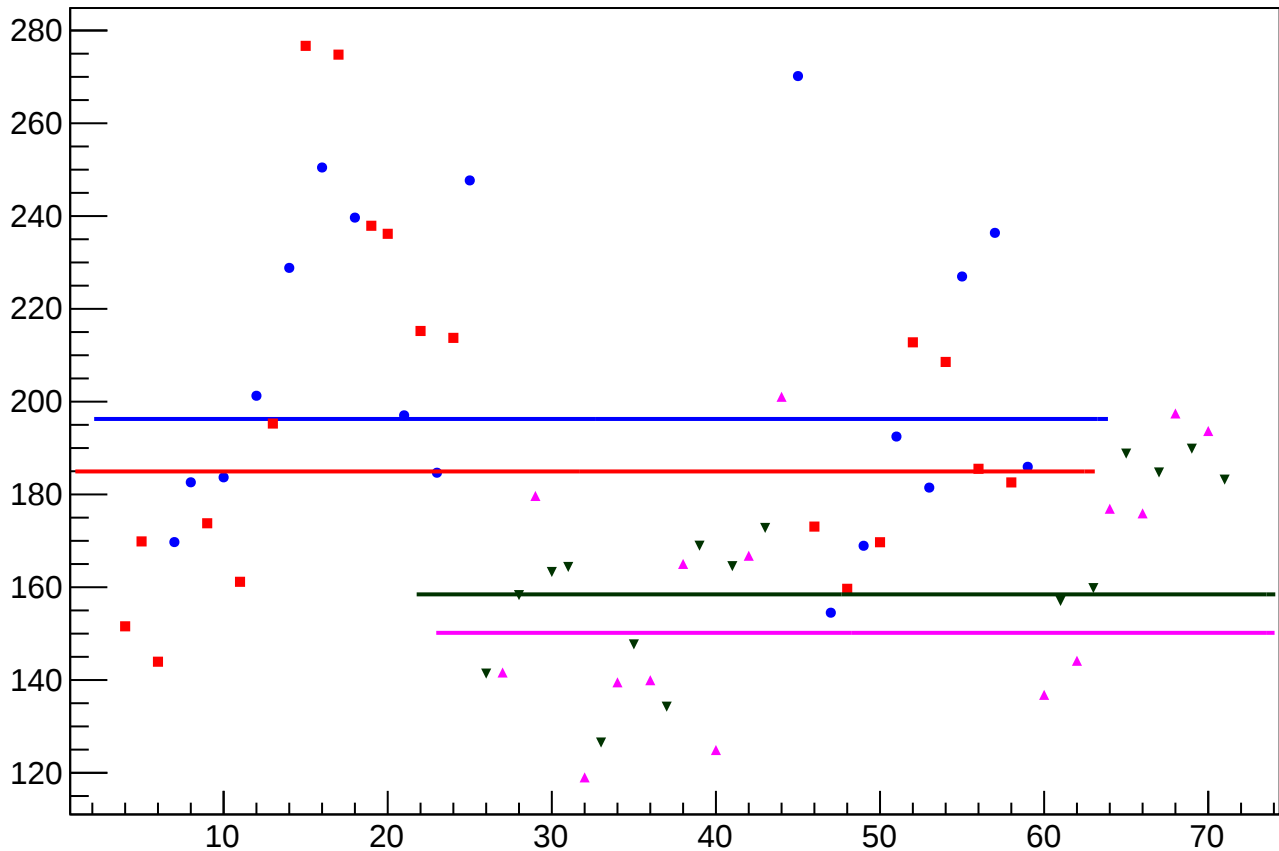
430.957 ± 40.579 χ^2/NDF : 1141.9/33

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

159.063 ± 39.158 χ^2/NDF : 4473.8/33

Left In: -508.033 ± 51.660 χ^2/NDF : 373.1/14

asym_bpm0l01WS_rms vs slug



Right In: 196.269 $\pm$ 0.042 χ^2 /NDF: 466122.9/17

Left Out: 158.462 $\pm$ 0.039 χ^2 /NDF:228130.5/15

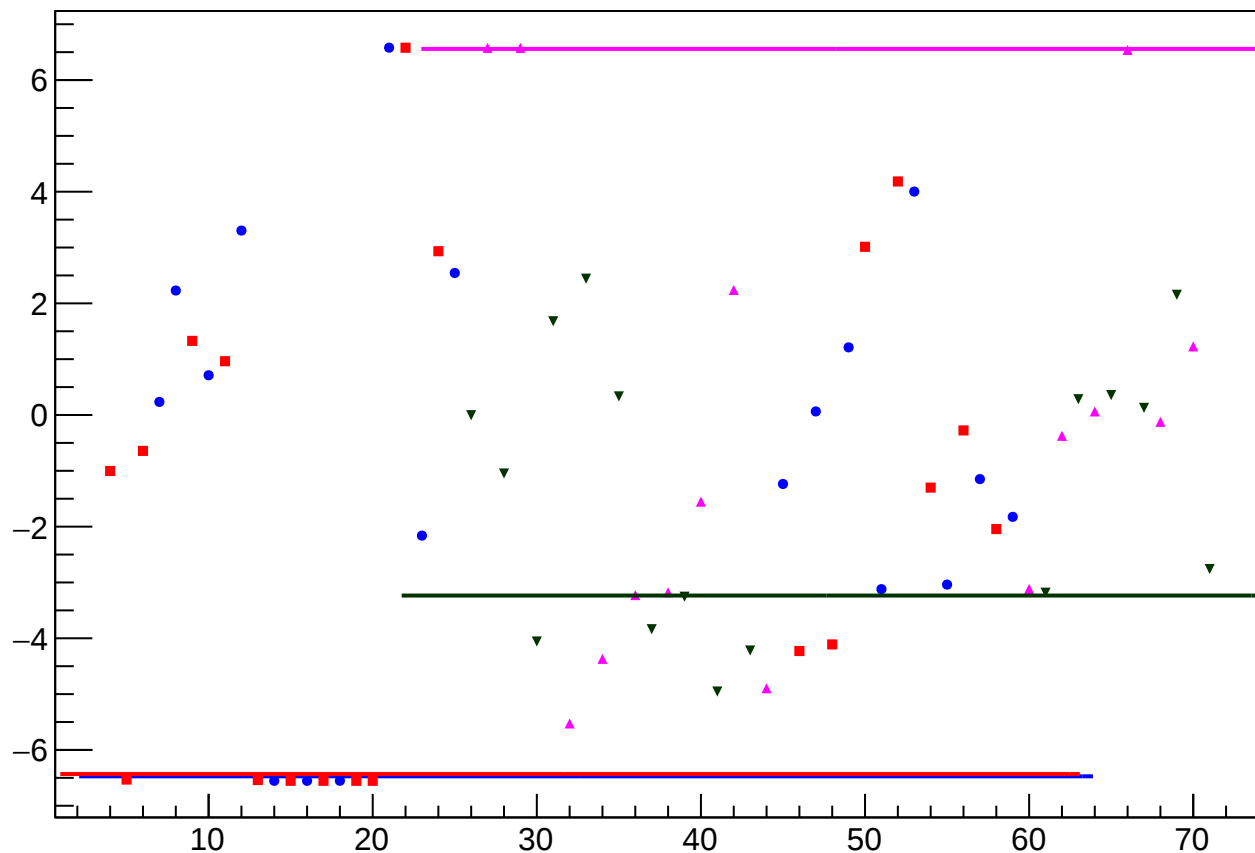
Right Out: 184.956 $\pm$ 0.042 χ^2 /NDF: 580645.4/18

Left In: 150.171 $\pm$ 0.037 χ^2 /NDF:476455.9/14

175.962 $\pm$ 0.029 χ^2 /NDF: 1125879.8/33

164.970 $\pm$ 0.028 χ^2 /NDF: 1442901.7/33

yield_cav4bX_mean vs slug



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

Left Out: -3.234+/-0.001 χ^2/NDF : 11282108.2/15

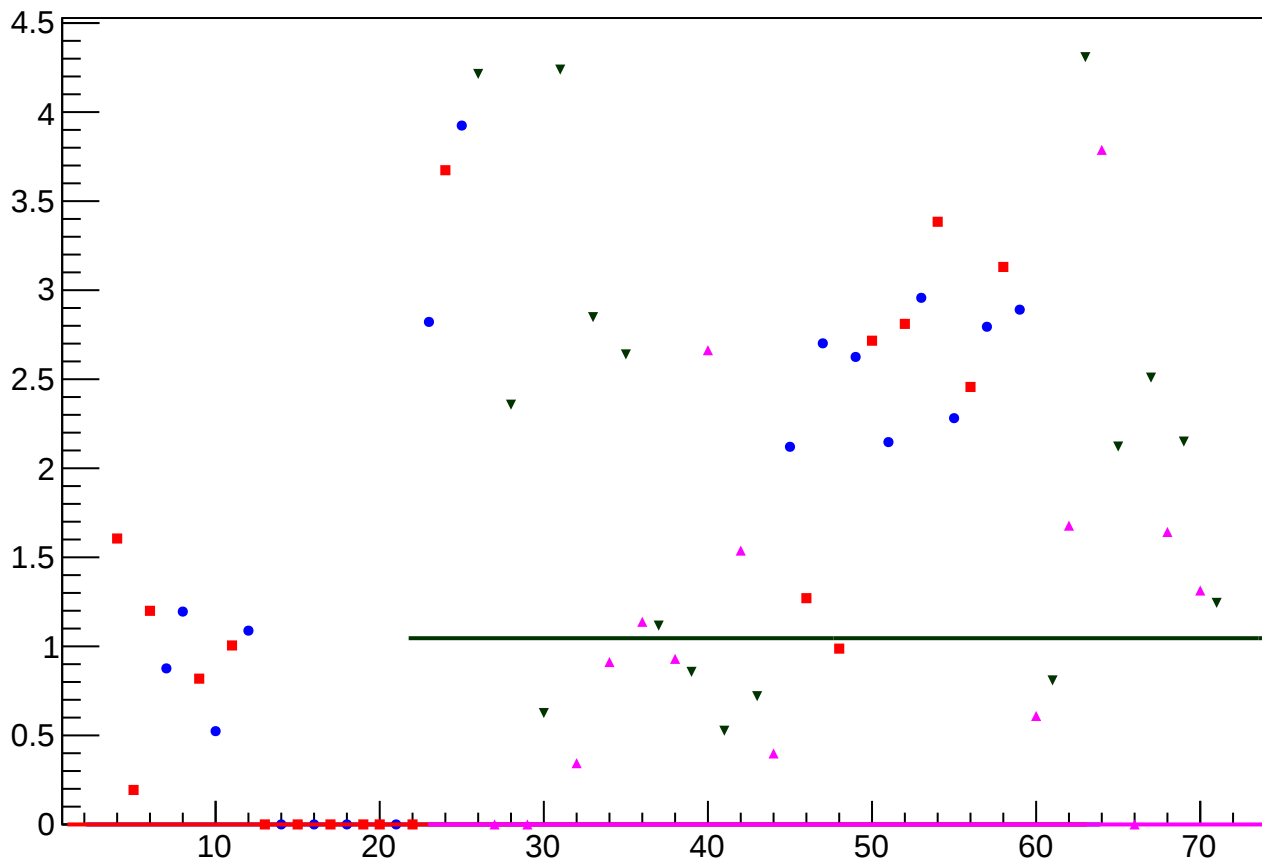
Right Out: -6.432+/-0.000 χ^2/NDF : 150837619676093.8/18

Left In: 6.558+/-0.000 χ^2/NDF : 1563981655.3/14

-6.473+/-0.000 χ^2/NDF : 127847997907631.4/3

-6.196+/-0.000 χ^2/NDF : 446402691198753.1/3

yield_cav4bX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 11913804.6/17

Left Out: 1.046+/-0.000 χ^2/NDF : 3947477.3/15

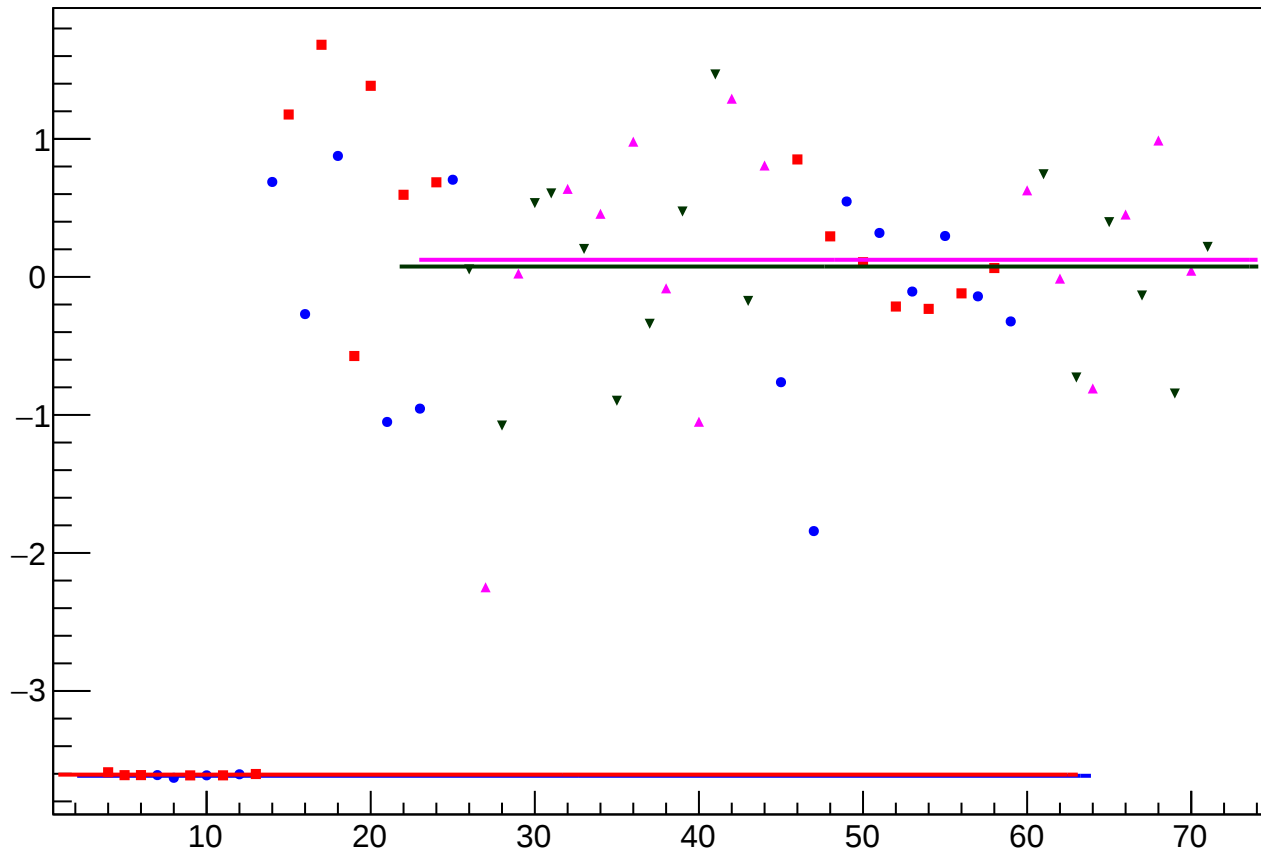
Right Out: 0.000+/-0.000 χ^2/NDF : 9626570.5/18

Left In: 0.000+/-0.000 χ^2/NDF : 8978452.1/14

0.000+/-0.000 χ^2/NDF : 23641209.4/33

0.000+/-0.000 χ^2/NDF : 18605086.0/33

yield_cav4bY_mean vs slug



Right In: -3.614+/-0.000 χ^2/NDF : 49086055221.8/17

Left Out: 0.075+/-0.000 χ^2/NDF :10447297.1/15

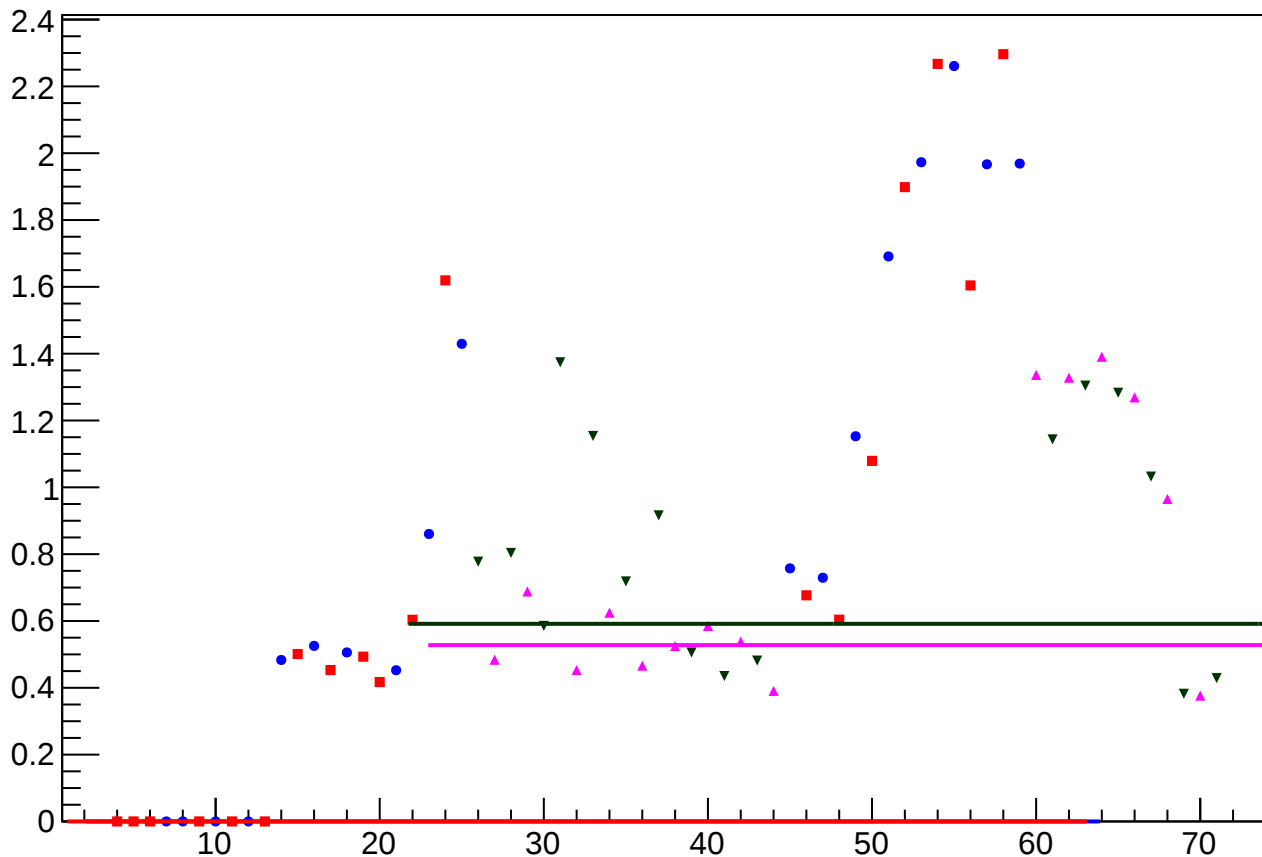
-3.614+/-0.000 χ^2/NDF : 49306489581.8/33

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

-3.606+/-0.000 χ^2/NDF : 38105715442.6/33

Left In: 0.124+/-0.000 χ^2/NDF :20840053.6/14

yield_cav4bY_rms vs slug



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

Left Out: 0.592+/-0.000 χ^2/NDF : 2073228.2/15

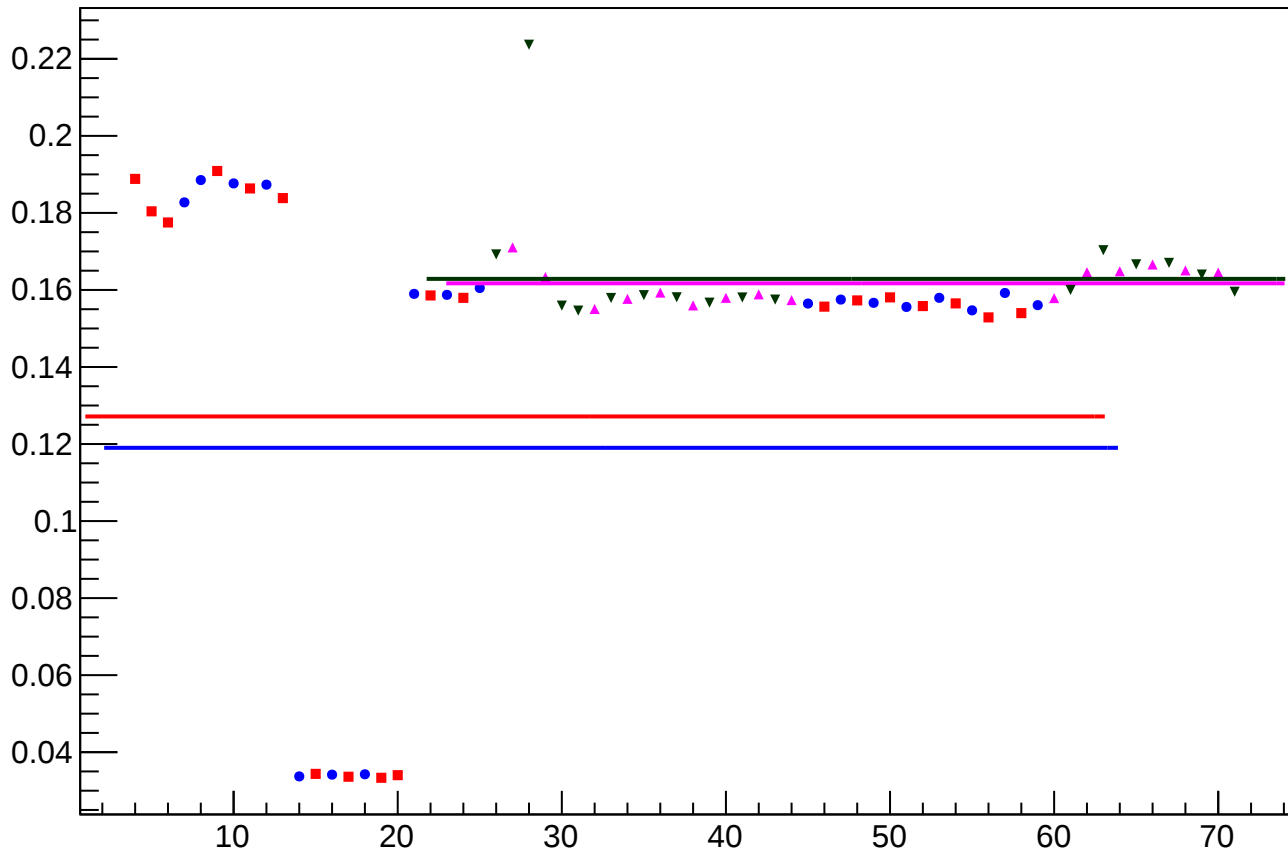
Right Out: 0.000+/-0.000 χ^2/NDF : 10531530.4/18

Left In: 0.528+/-0.000 χ^2/NDF : 2015618.0/14

0.000+/-0.000 χ^2/NDF : 26644330.1/33

0.000+/-0.000 χ^2/NDF : 24239166.9/33

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 : 102961775.2/15

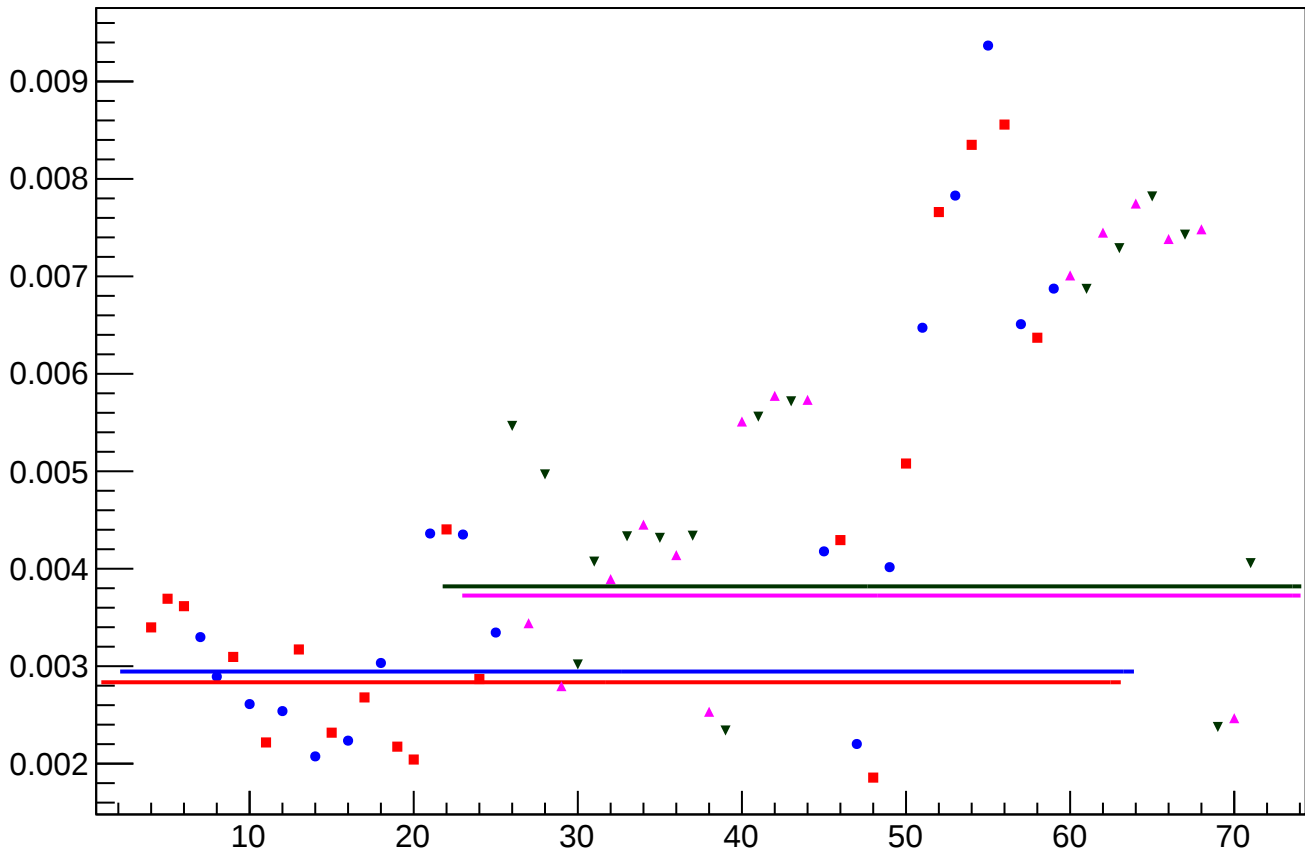
0.133+/-0.000 χ^2/NDF : 5703425108.1/33

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

0.139+/-0.000 χ^2/NDF : 4845516641.2/33

Left In: 0.162+/-0.000 χ^2/NDF : 13206560.6/14

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 :2096156.5/15

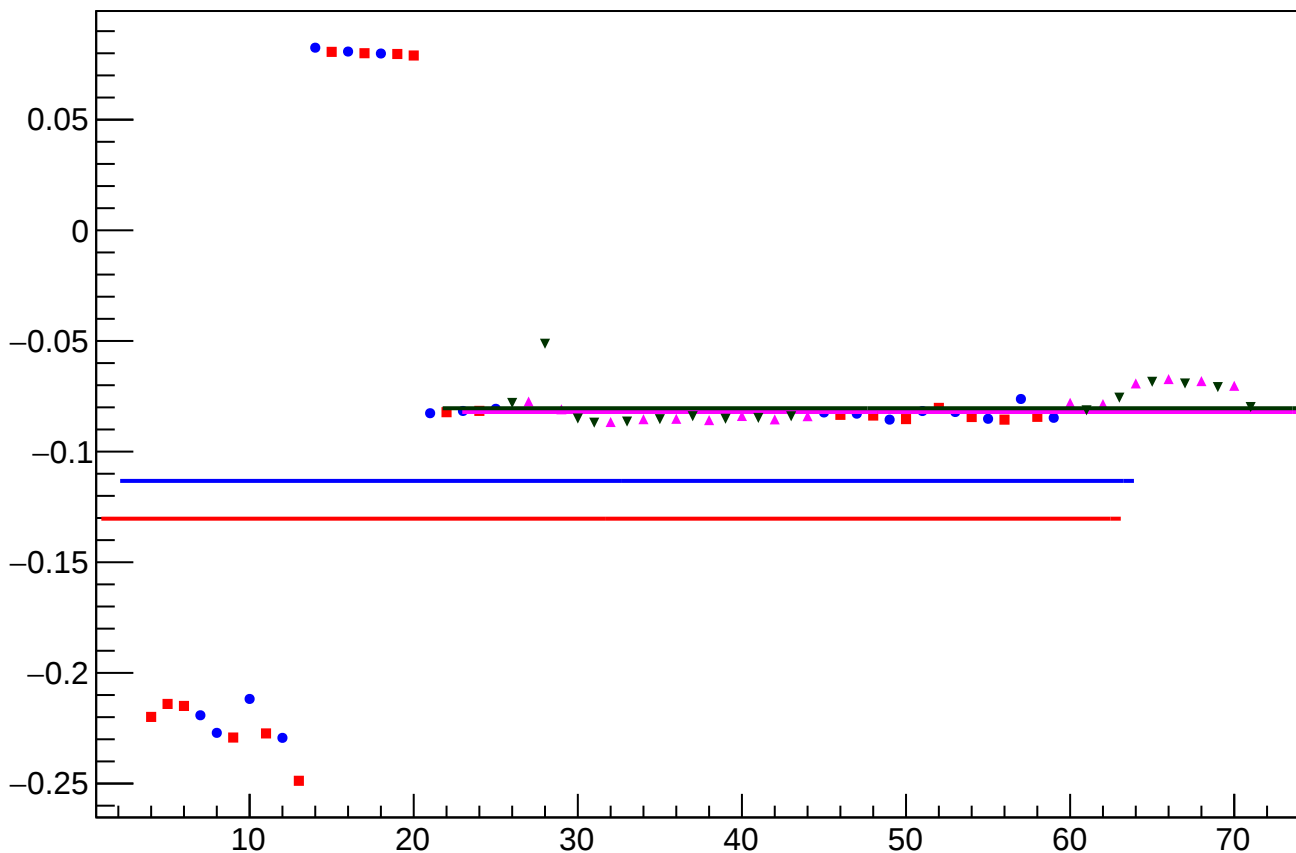
Right Out: 0.003+/-0.000 χ^2/NDF : 2697291.9/18

Left In: 0.004+/-0.000 χ^2/NDF :2254010.9/14

0.003+/-0.000 χ^2/NDF : 5578448.5/33

0.003+/-0.000 χ^2/NDF : 5489080.5/33

yield_cav4cY_mean vs slug



Right In: -0.113+/-0.000 χ^2/NDF : 9694608559.9/17

Left Out: -0.080+/-0.000 χ^2/NDF : 41234512.7/15

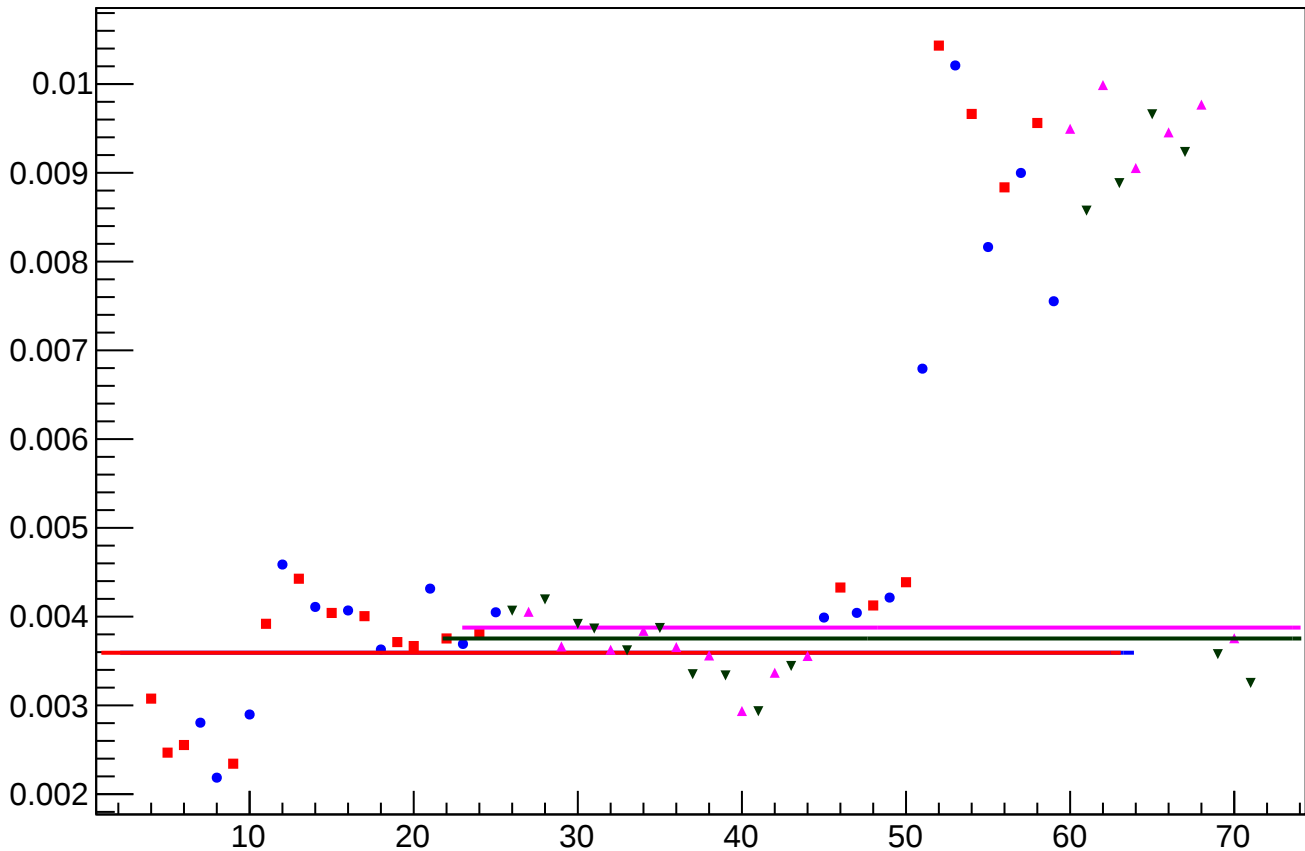
Right Out: -0.130+/-0.000 χ^2/NDF : 8867144829.5/18

Left In: -0.082+/-0.000 χ^2/NDF : 12949651.9/14

-0.100+/-0.000 χ^2/NDF : 10055796607.9/33

-0.109+/-0.000 χ^2/NDF : 9519593326.5/33

yield_cav4cY_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 2636393.6/17

Left Out: 0.004+/-0.000 χ^2/NDF :1346287.9/15

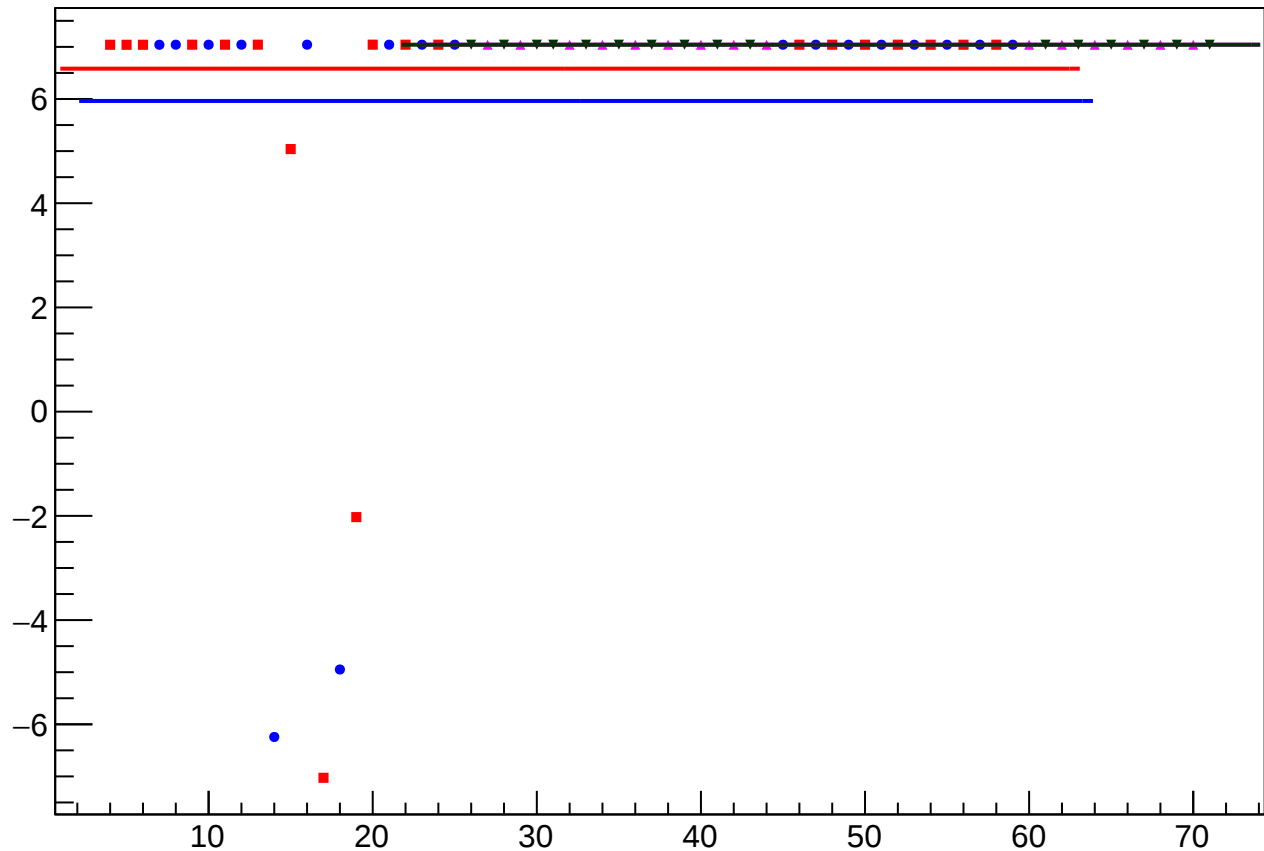
Right Out: 0.004+/-0.000 χ^2/NDF : 2225355.5/18

Left In: 0.004+/-0.000 χ^2/NDF :1679701.7/14

0.004+/-0.000 χ^2/NDF : 3997913.5/33

0.004+/-0.000 χ^2/NDF : 3949296.6/33

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: 9072410.0/15

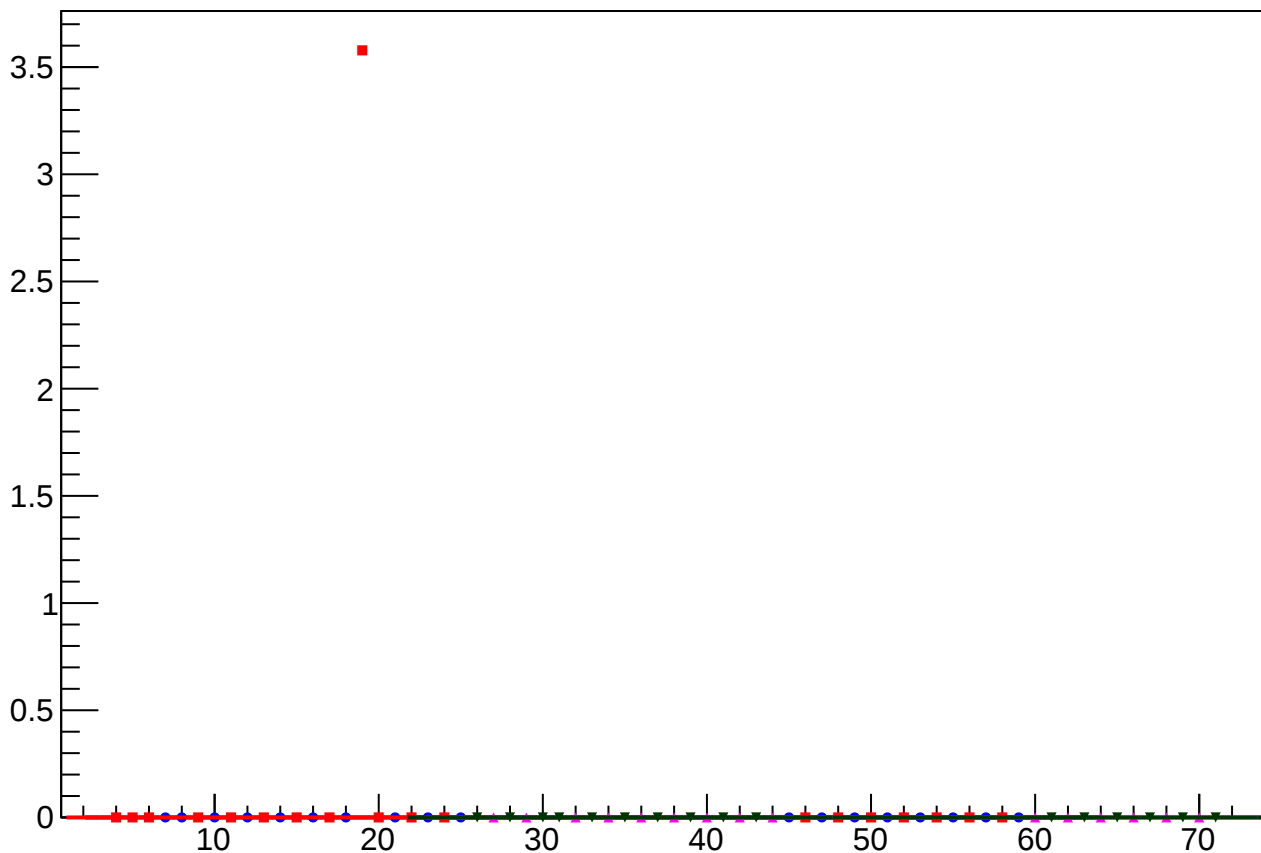
6.470 $\pm$ 0.000 χ^2 /NDF: 4811772603797723.0/3

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

6.822 $\pm$ 0.000 χ^2 /NDF: 1890589431659281.2/3

Left In: 7.042 $\pm$ 0.000 χ^2 /NDF: 8687095.6/14

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 :1798.2/15

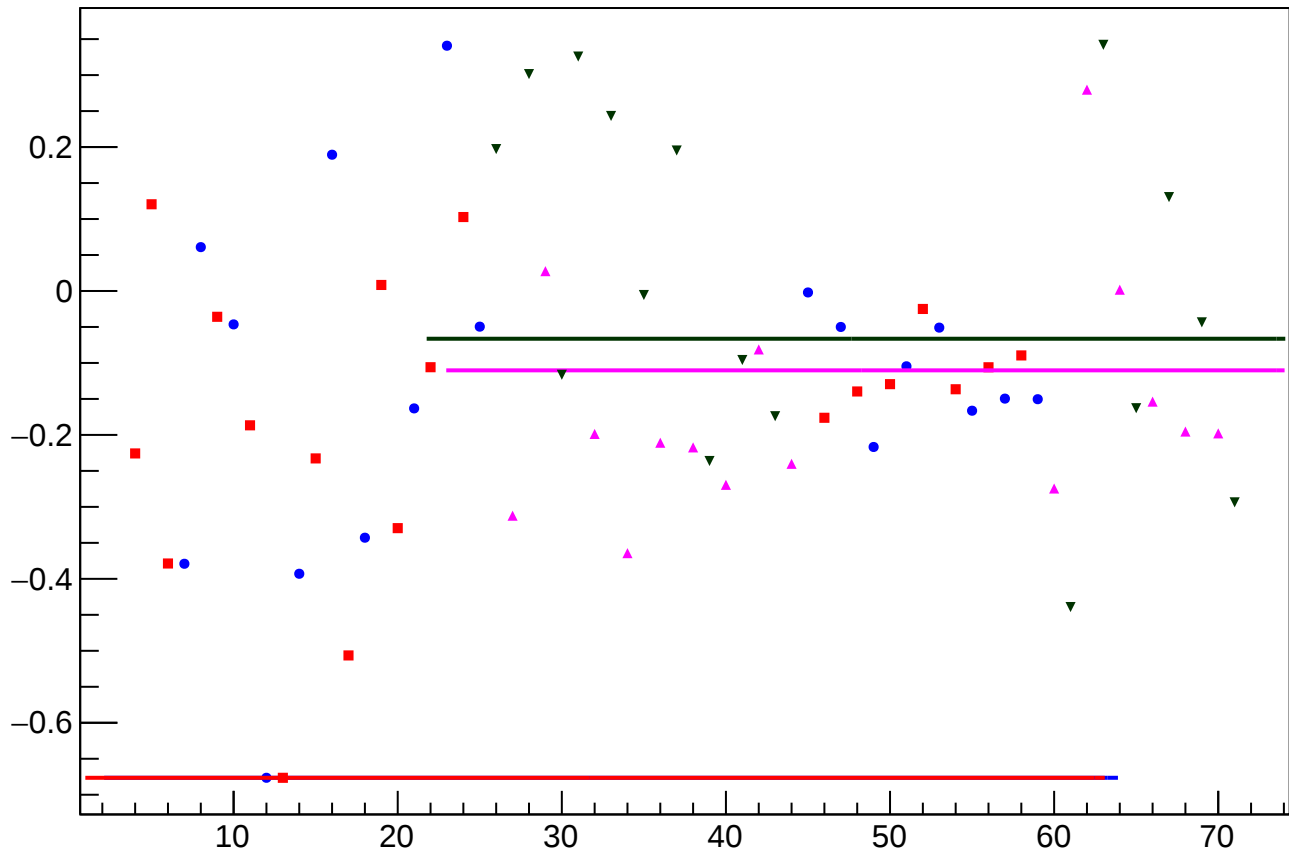
Right Out: 0.000+/-0.000 χ^2/NDF : 697661.6/18

Left In: 0.000+/-0.000 χ^2/NDF :2177.3/14

0.000+/-0.000 χ^2/NDF : 7823.4/33

0.000+/-0.000 χ^2/NDF : 702982.7/33

yield_cav4dY_mean vs slug



Right In: -0.676+/-0.000 χ^2/NDF : 266364367.2/17

Left Out: -0.066+/-0.000 χ^2/NDF : 30167850.2/15

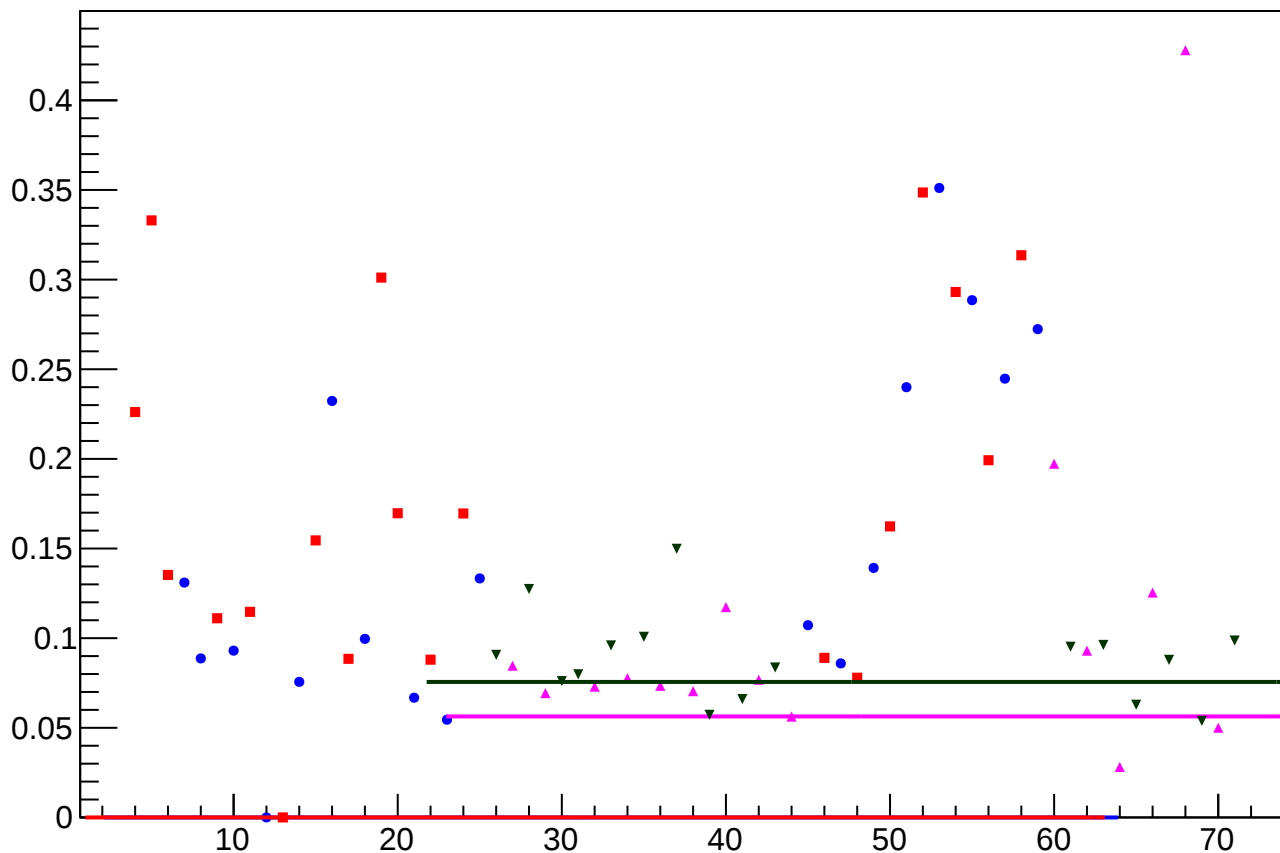
Right Out: -0.676+/-0.000 χ^2/NDF : 102004552.0/18

Left In: -0.110+/-0.000 χ^2/NDF : 25620814.8/14

-0.676+/-0.000 χ^2/NDF : 592681697.5/33

-0.676+/-0.000 χ^2/NDF : 591510328.2/33

yield_cav4dY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 16187995.6/17

Left Out: 0.076+/-0.000 χ^2/NDF : 697973.7/15

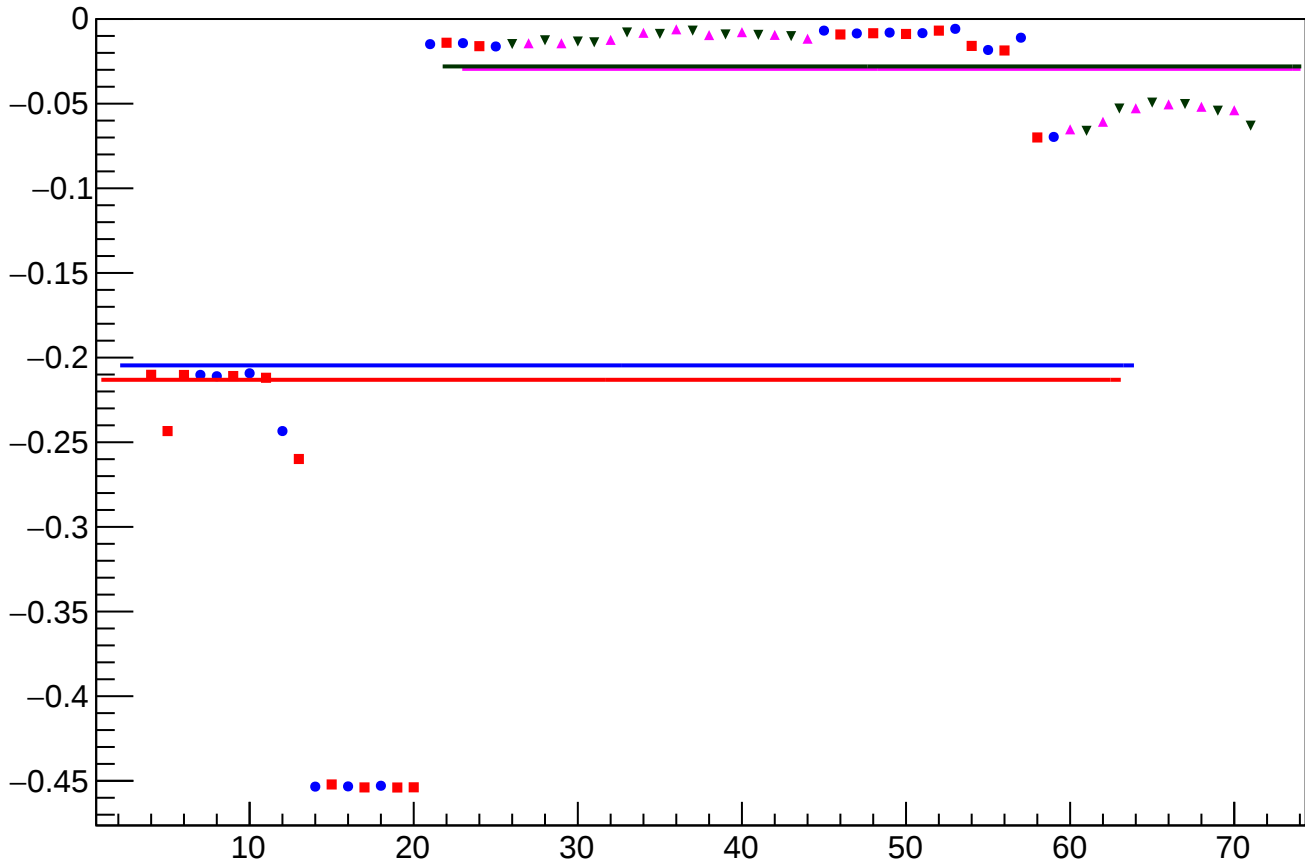
Right Out: 0.000+/-0.000 χ^2/NDF : 13760955.7/18

Left In: 0.056+/-0.000 χ^2/NDF : 2790501.5/14

0.000+/-0.000 χ^2/NDF : 25974898.4/33

0.000+/-0.000 χ^2/NDF : 25734249.3/33

yield_bpm4aX_mean vs slug



Right In: -0.205+/-0.000 χ^2/NDF : 5539981697.6/17

Left Out: -0.028+/-0.000 χ^2/NDF : 47163813.0/15

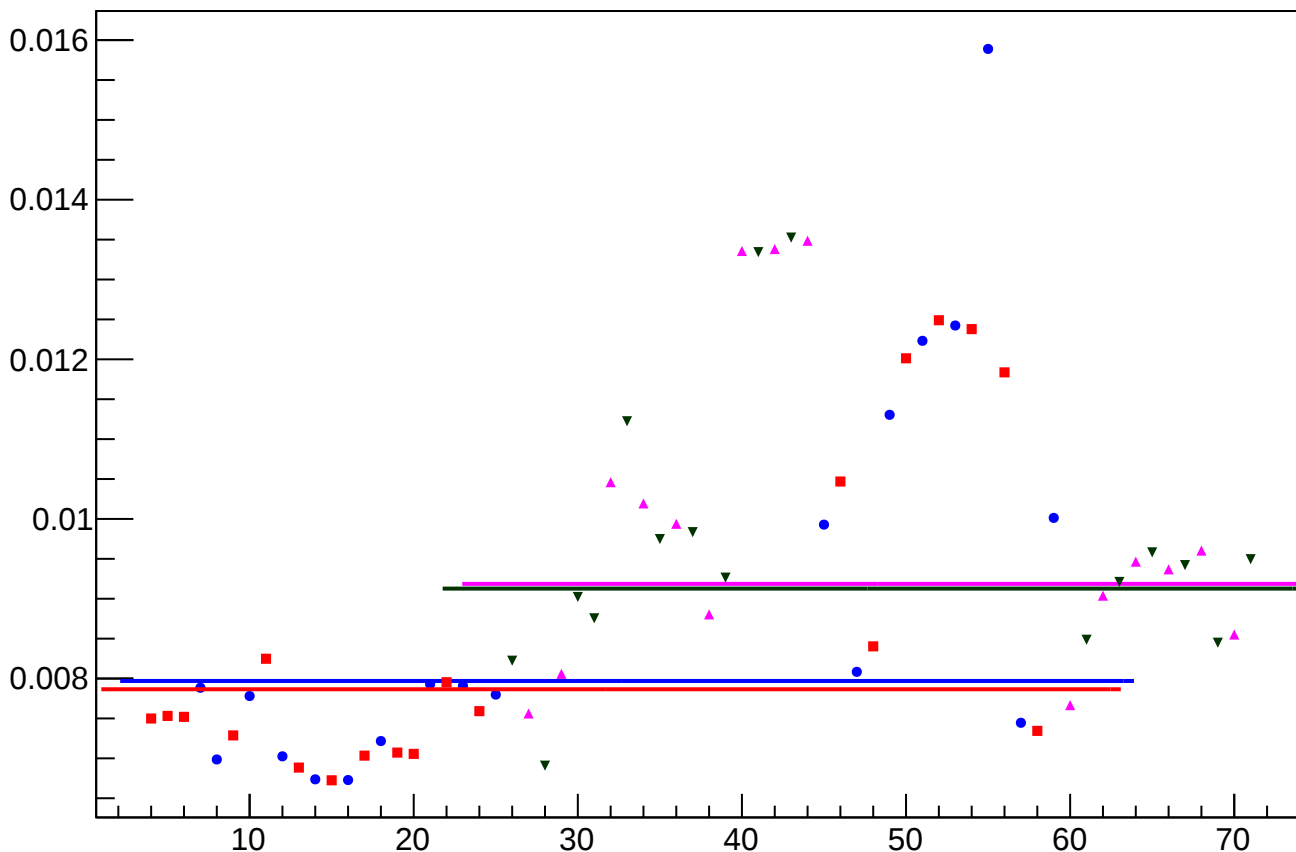
-0.140+/-0.000 χ^2/NDF : 7490843885.6/33

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

-0.141+/-0.000 χ^2/NDF : 6225105416.5/33

Left In: -0.029+/-0.000 χ^2/NDF : 49360686.9/14

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 : 426318.8/15

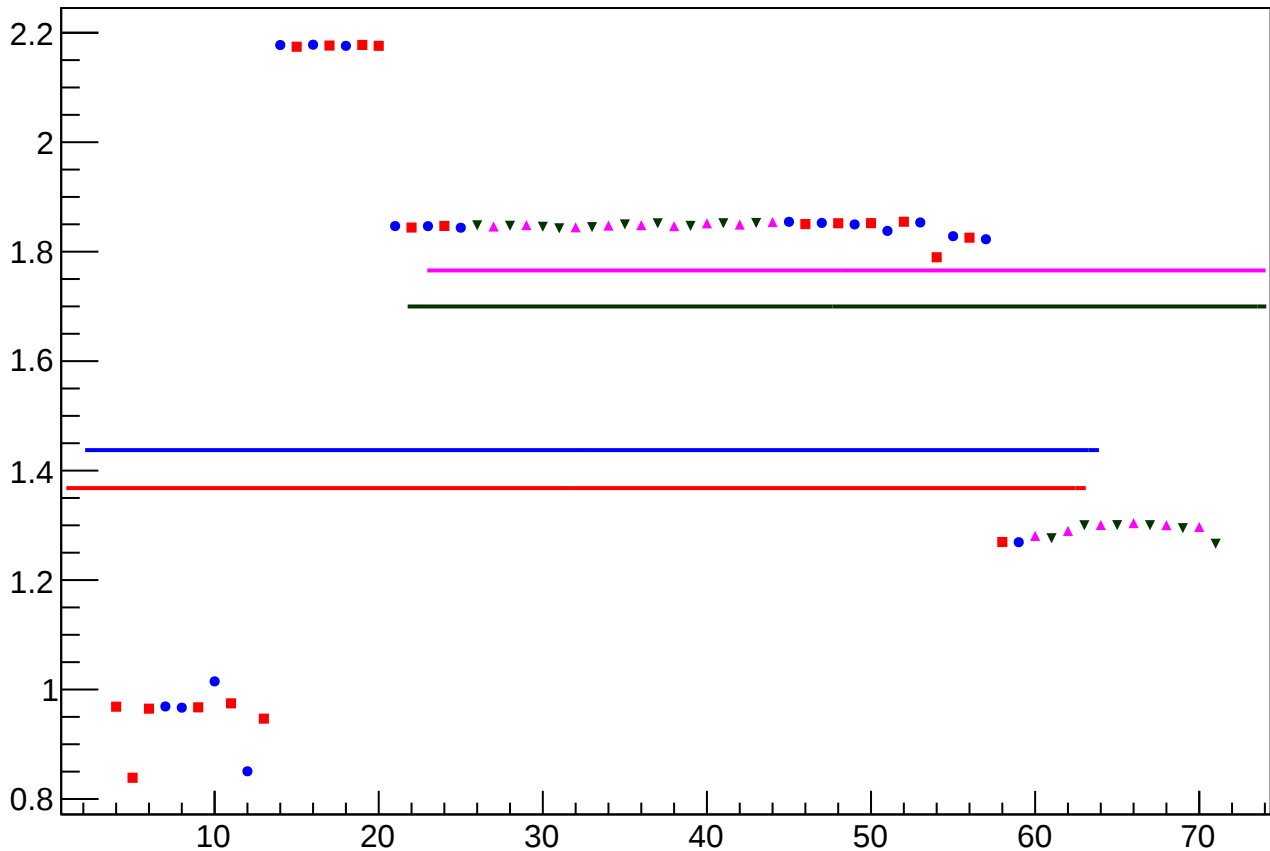
Right Out: 0.008 ± 0.000 χ^2/NDF : 696189.4/18

Left In: 0.009 ± 0.000 χ^2/NDF : 506443.2/14

0.008 ± 0.000 χ^2/NDF : 1533609.0/33

0.008 ± 0.000 χ^2/NDF : 1412933.5/33

yield_bpm4aY_mean vs slug



Right In: 1.437+/-0.000 χ^2/NDF : 14236590294.3/17

Left Out: 1.700+/-0.000 χ^2/NDF :2345809586.0/15

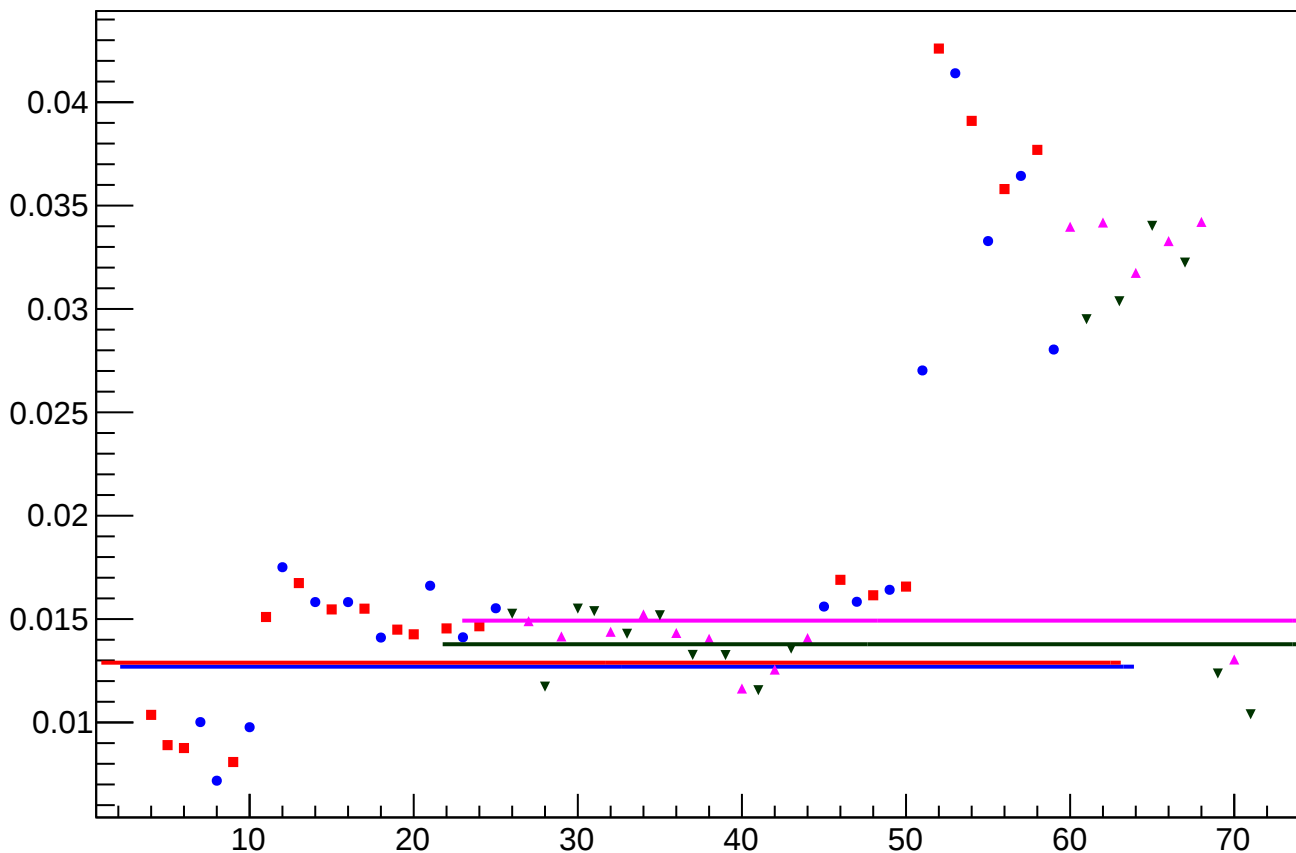
1.544+/-0.000 χ^2/NDF : 18114540771.7/33

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

1.531+/-0.000 χ^2/NDF : 17006001637.4/33

Left In: 1.766+/-0.000 χ^2/NDF :1293951965.5/14

yield_bpm4aY_rms vs slug



Right In: 0.013+/-0.000 χ^2/NDF : 3534875.5/17

Left Out: 0.014+/-0.000 χ^2/NDF :1320835.2/15

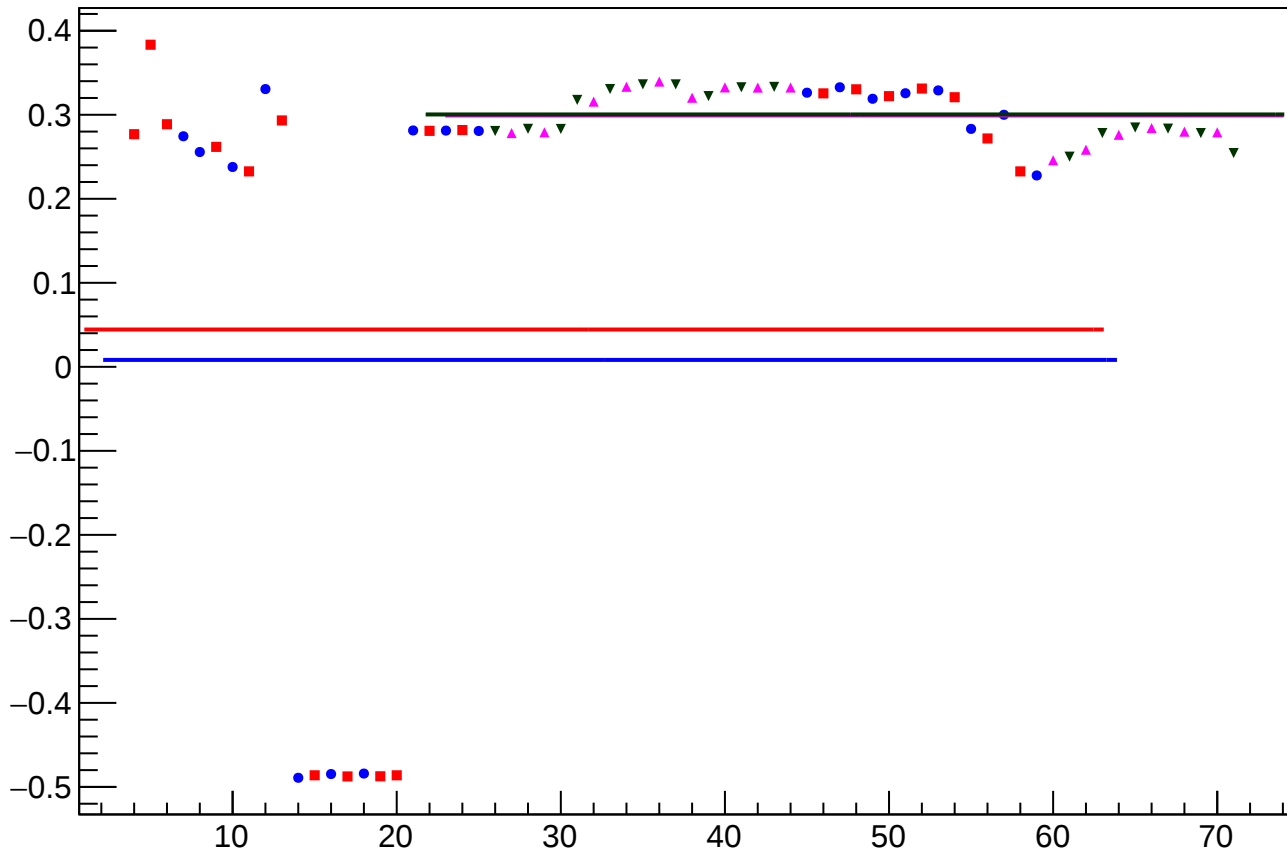
Right Out: 0.013+/-0.000 χ^2/NDF : 2814614.5/18

Left In: 0.015+/-0.000 χ^2/NDF :1470236.2/14

0.013+/-0.000 χ^2/NDF : 4908020.8/33

0.014+/-0.000 χ^2/NDF : 4448121.1/33

yield_bpm4eX_mean vs slug



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

Left Out: 0.300 $\pm$ 0.000 χ^2/NDF : 12774699.4/15

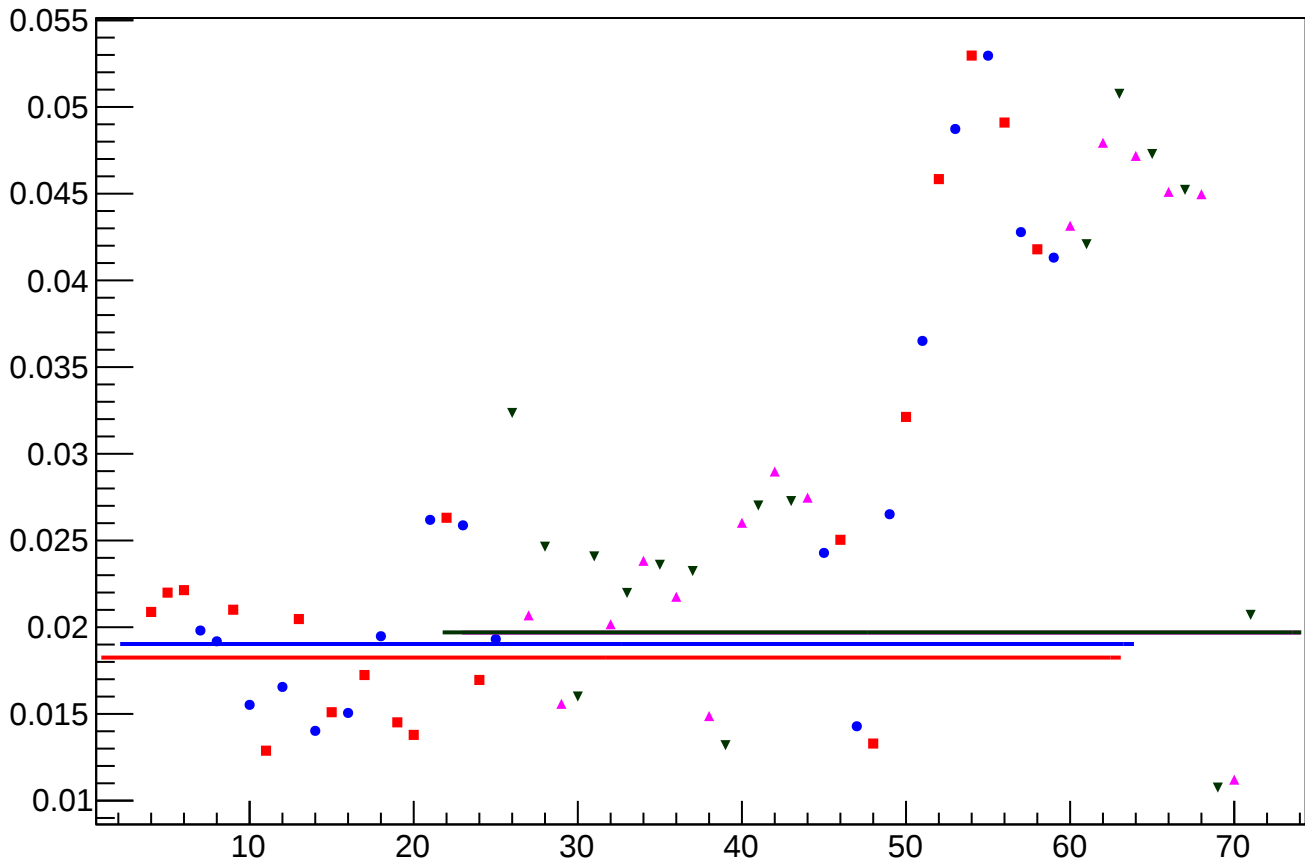
0.125 $\pm$ 0.000 χ^2/NDF : 4477330627.8/33

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

0.150 $\pm$ 0.000 χ^2/NDF : 3839757604.2/33

Left In: 0.299 $\pm$ 0.000 χ^2/NDF : 11156068.8/14

yield_bpm4eX_rms vs slug



Right In: 0.019+/-0.000 χ^2/NDF : 2594784.8/17

Left Out: 0.020+/-0.000 χ^2/NDF :2565510.9/15

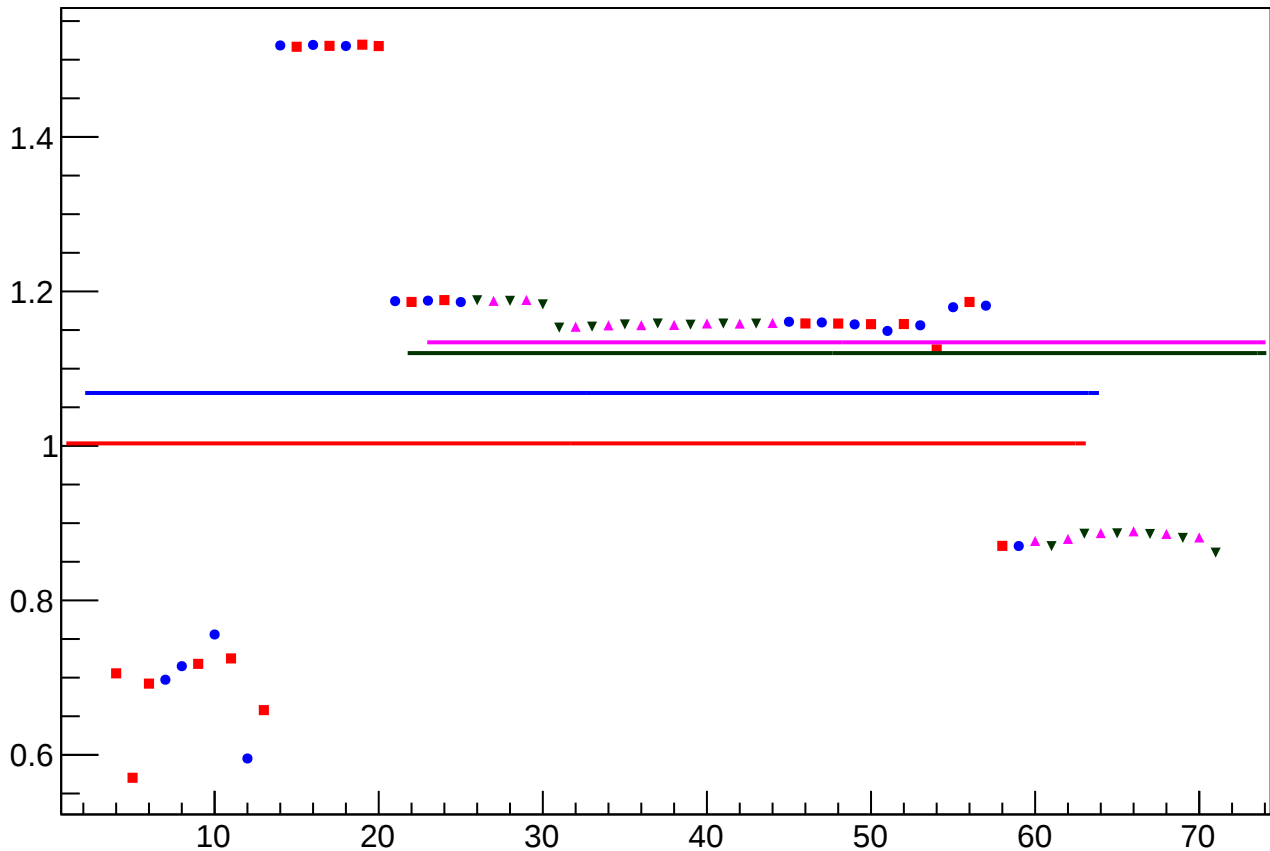
Right Out: 0.018+/-0.000 χ^2/NDF : 2485378.5/18

Left In: 0.020+/-0.000 χ^2/NDF :2605308.0/14

0.019+/-0.000 χ^2/NDF : 5169487.7/33

0.019+/-0.000 χ^2/NDF : 5133535.3/33

yield_bpm4eY_mean vs slug



Right In: 1.069+/-0.000 χ^2/NDF : 10548206682.3/17

Left Out: 1.120+/-0.000 χ^2/NDF : 902761709.5/15

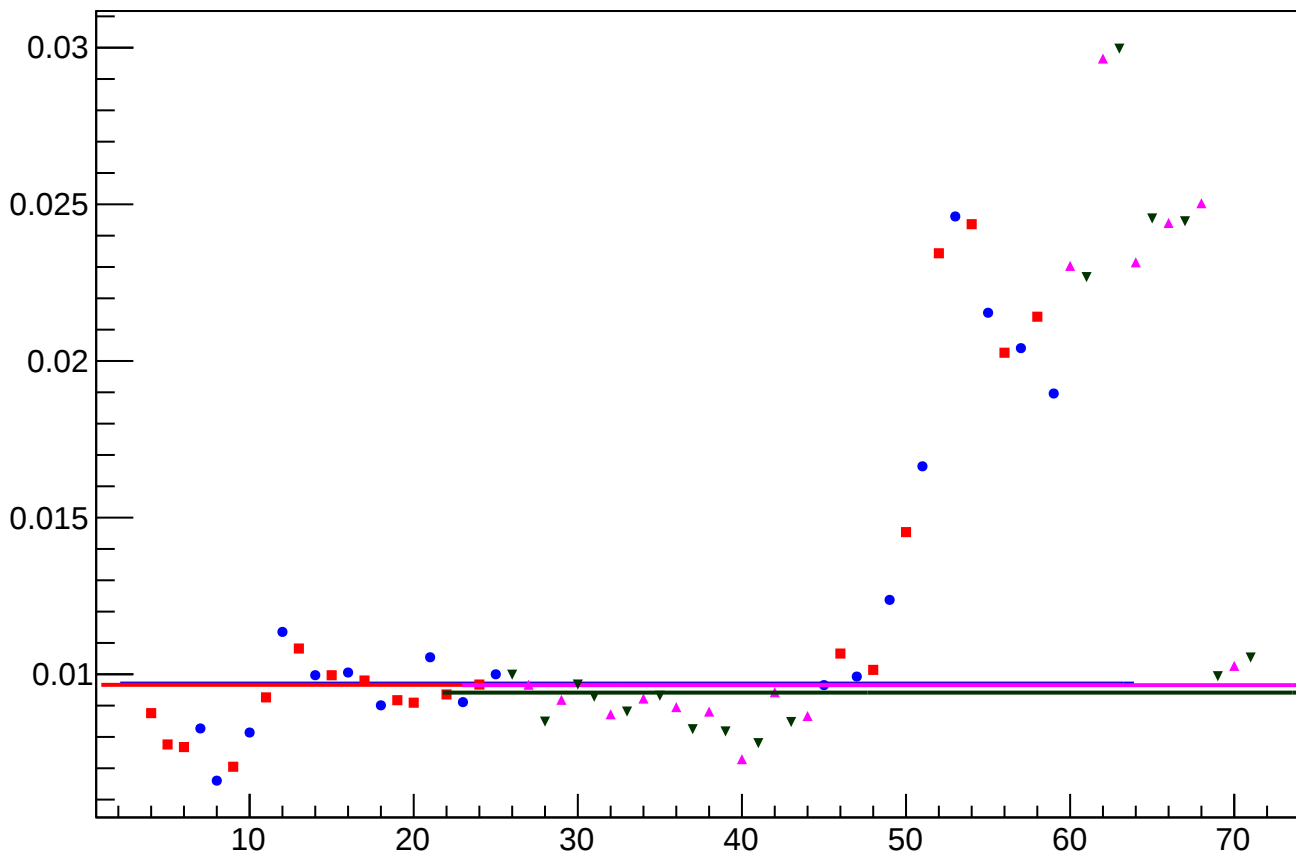
1.091+/-0.000 χ^2/NDF : 11570398591.5/33

Right Out: 1.003+/-0.000 χ^2/NDF : 10291656361.5/18

1.063+/-0.000 χ^2/NDF : 11628280093.3/33

Left In: 1.134+/-0.000 χ^2/NDF : 617218686.9/14

yield_bpm4eY_rms vs slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1905622.6/17

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1491448.8/15

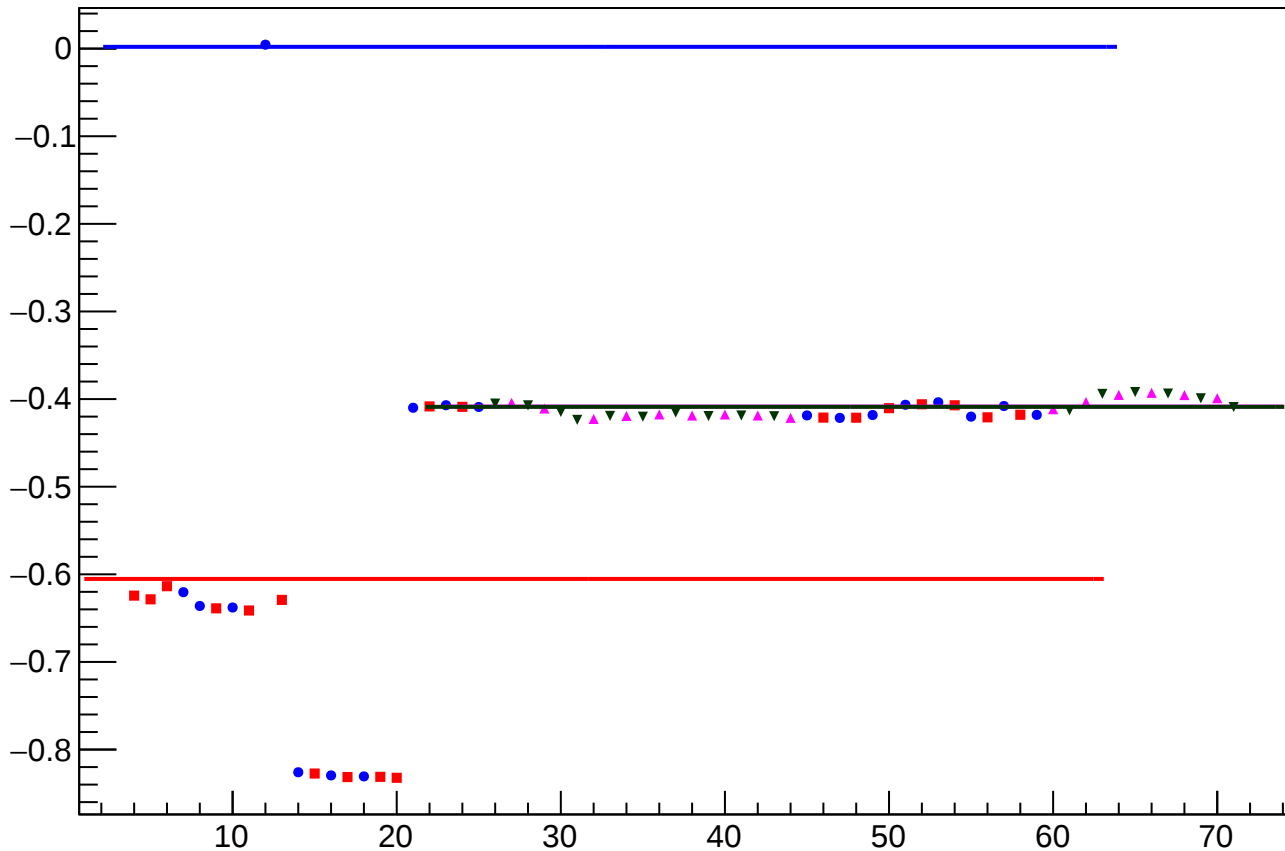
Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1597012.3/18

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:1784163.3/14

0.010 $\pm$ 0.000 χ^2 /NDF: 3404497.1/33

0.010 $\pm$ 0.000 χ^2 /NDF: 3381186.4/33

yield_bpm4acX_mean vs slug



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

Left Out: -0.409 ± 0.000 χ^2/NDF : 9217676.2/15

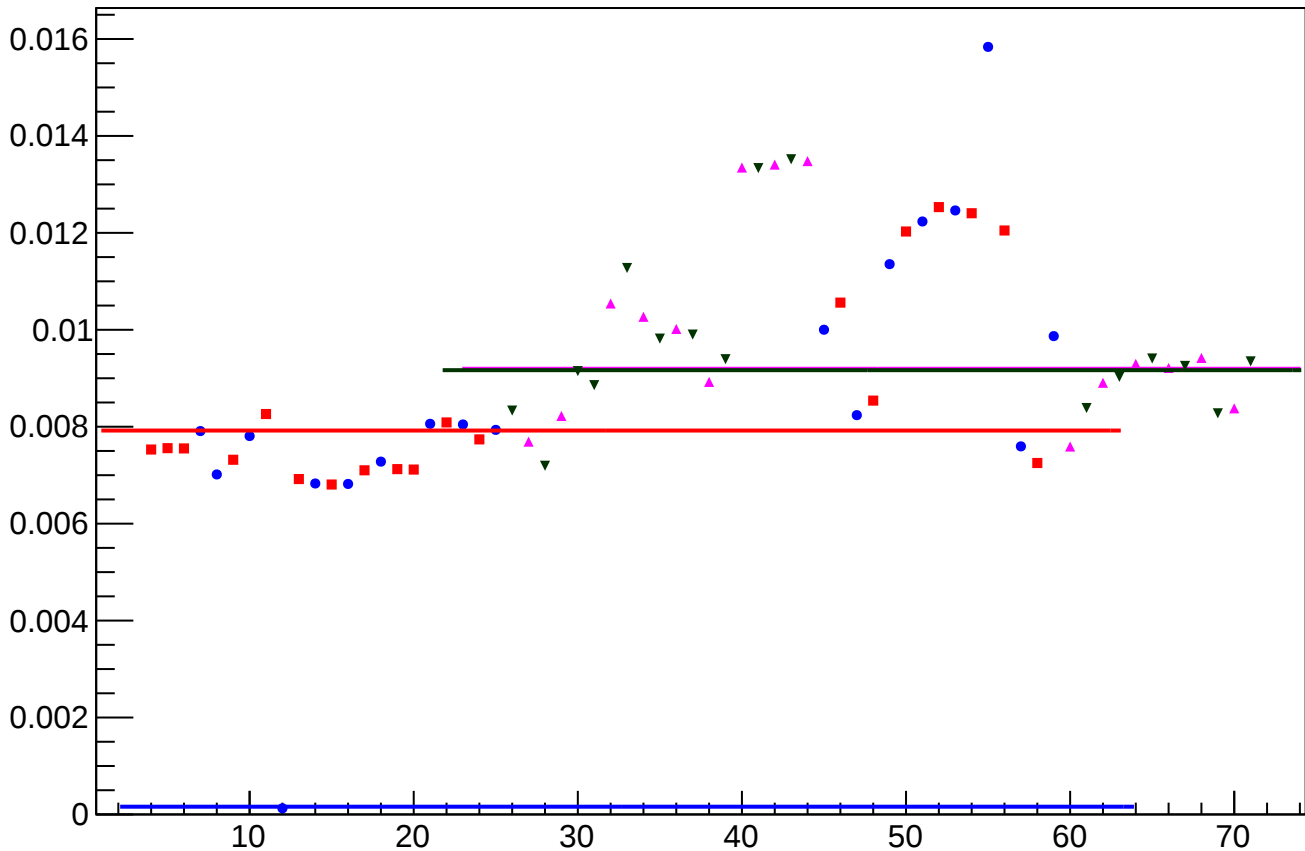
0.001 ± 0.000 χ^2/NDF : 75871093564.4/33

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

-0.527 ± 0.000 χ^2/NDF : 6148004986.2/33

Left In: -0.409 ± 0.000 χ^2/NDF : 9021864.1/14

yield_bpm4acX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 20262517.7/17

Left Out: 0.009+/-0.000 χ^2/NDF : 387849.1/15

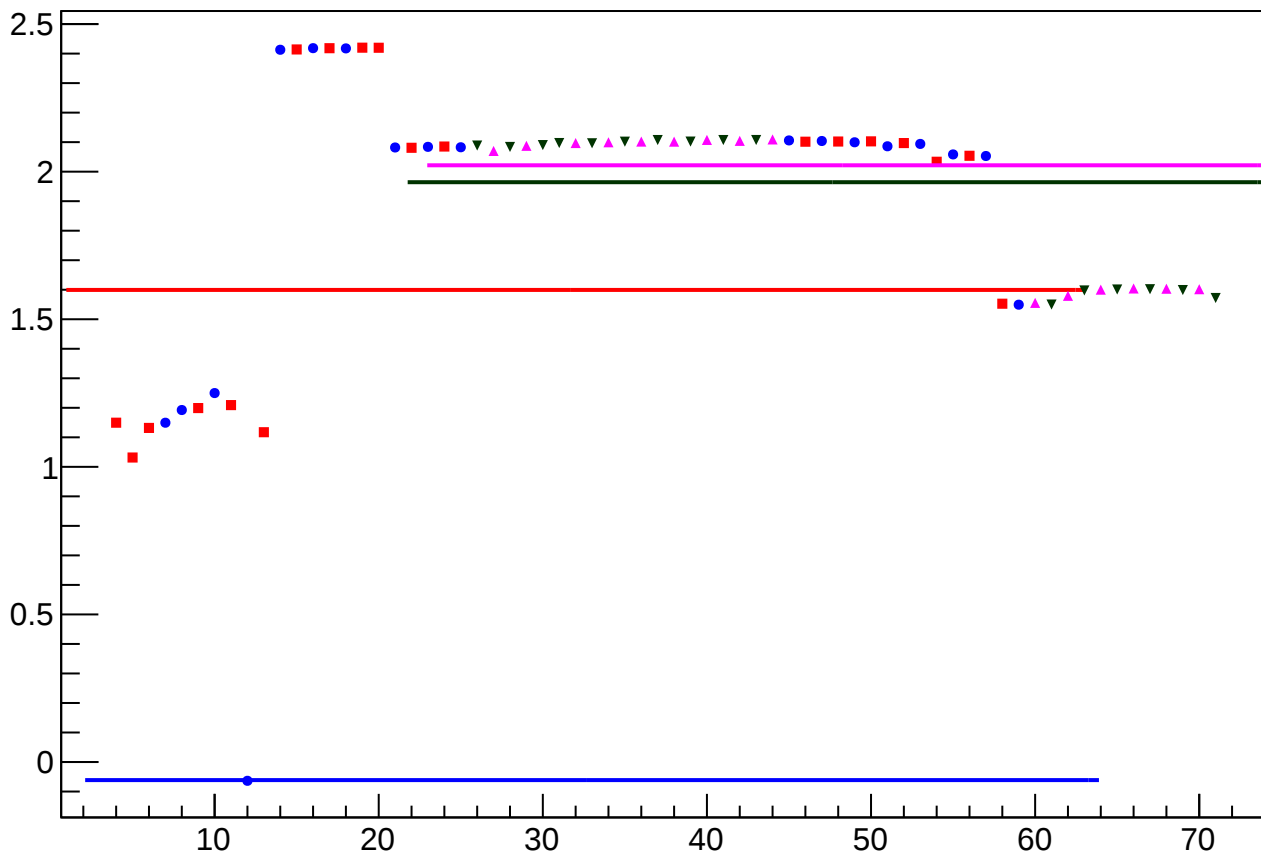
0.000+/-0.000 χ^2/NDF : 36136081.7/33

Right Out: 0.008+/-0.000 χ^2/NDF : 697414.3/18

0.008+/-0.000 χ^2/NDF : 1387389.2/33

Left In: 0.009+/-0.000 χ^2/NDF : 495235.3/14

yield_bpm4acY_mean vs slug



Right In: -0.061+/-0.000 χ^2/NDF : 171003968524.2/17

Left Out: 1.964+/-0.000 χ^2/NDF : 1861698144.8/15

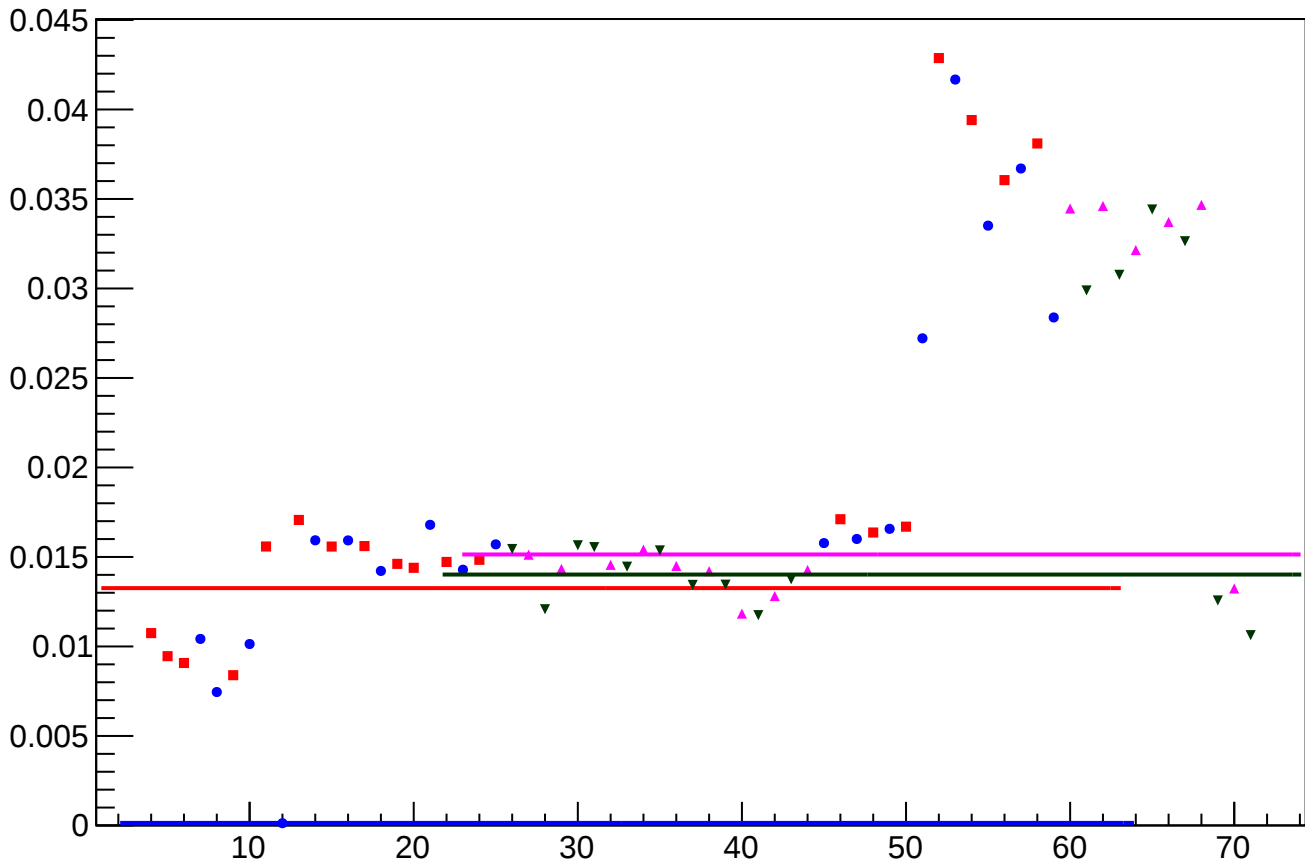
-0.059+/-0.000 χ^2/NDF : 321816270168.0/33

Right Out: 1.599+/-0.000 χ^2/NDF : 13096029057.2/18

1.774+/-0.000 χ^2/NDF : 17516075087.4/33

Left In: 2.022+/-0.000 χ^2/NDF : 1034204611.6/14

yield_bpm4acY_rms vs slug



Right In: 0.000+/-0.000 χ^2 /NDF: 19632783.5/17

Left Out: 0.014+/-0.000 χ^2 /NDF:1299780.1/15

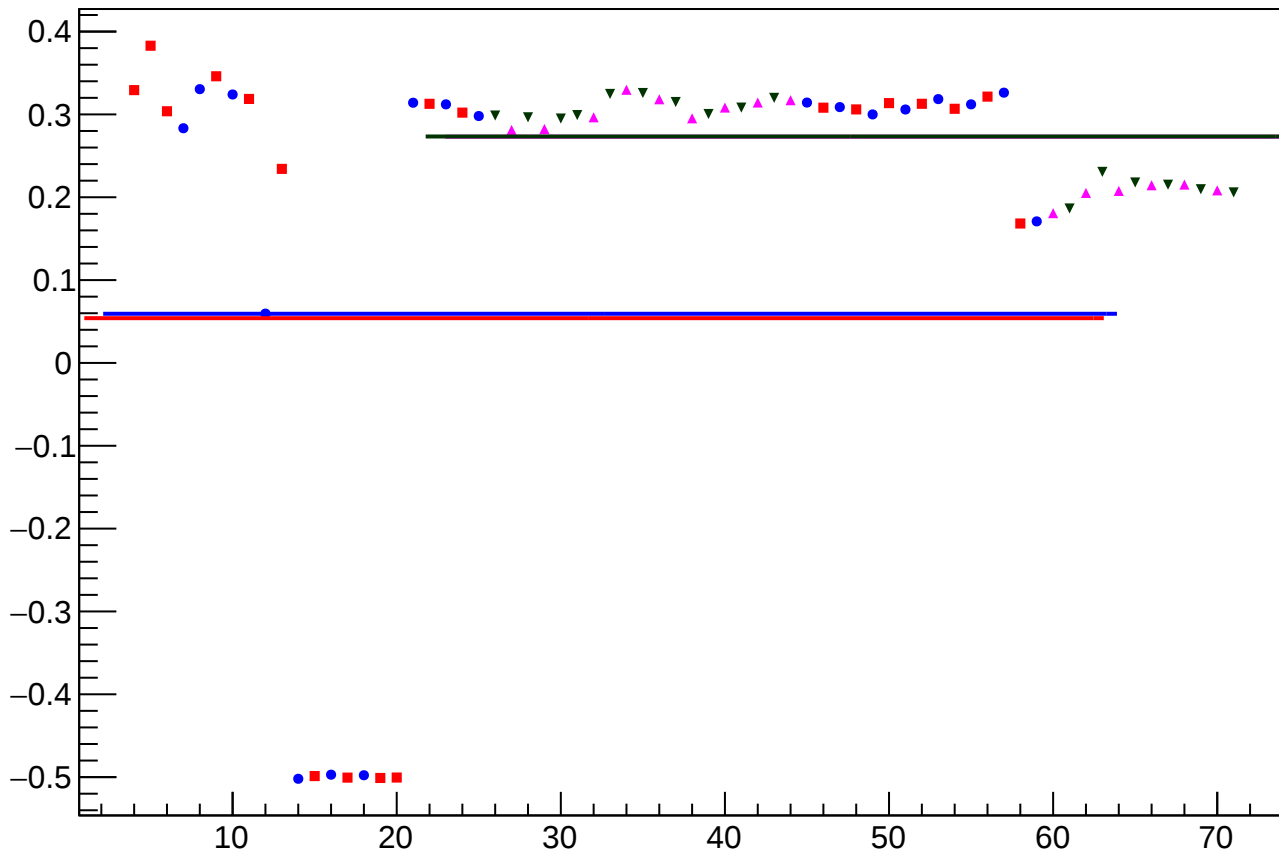
Right Out: 0.013+/-0.000 χ^2 /NDF: 2690130.8/18

Left In: 0.015+/-0.000 χ^2 /NDF:1465261.9/14

0.000+/-0.000 χ^2 /NDF: 34910965.3/33

0.014+/-0.000 χ^2 /NDF: 4289754.8/33

yield_bpm4ecX_mean vs slug



Right In: 0.059+/-0.000 χ^2/NDF : 3888801914.2/17

Left Out: 0.273+/-0.000 χ^2/NDF :37046783.8/15

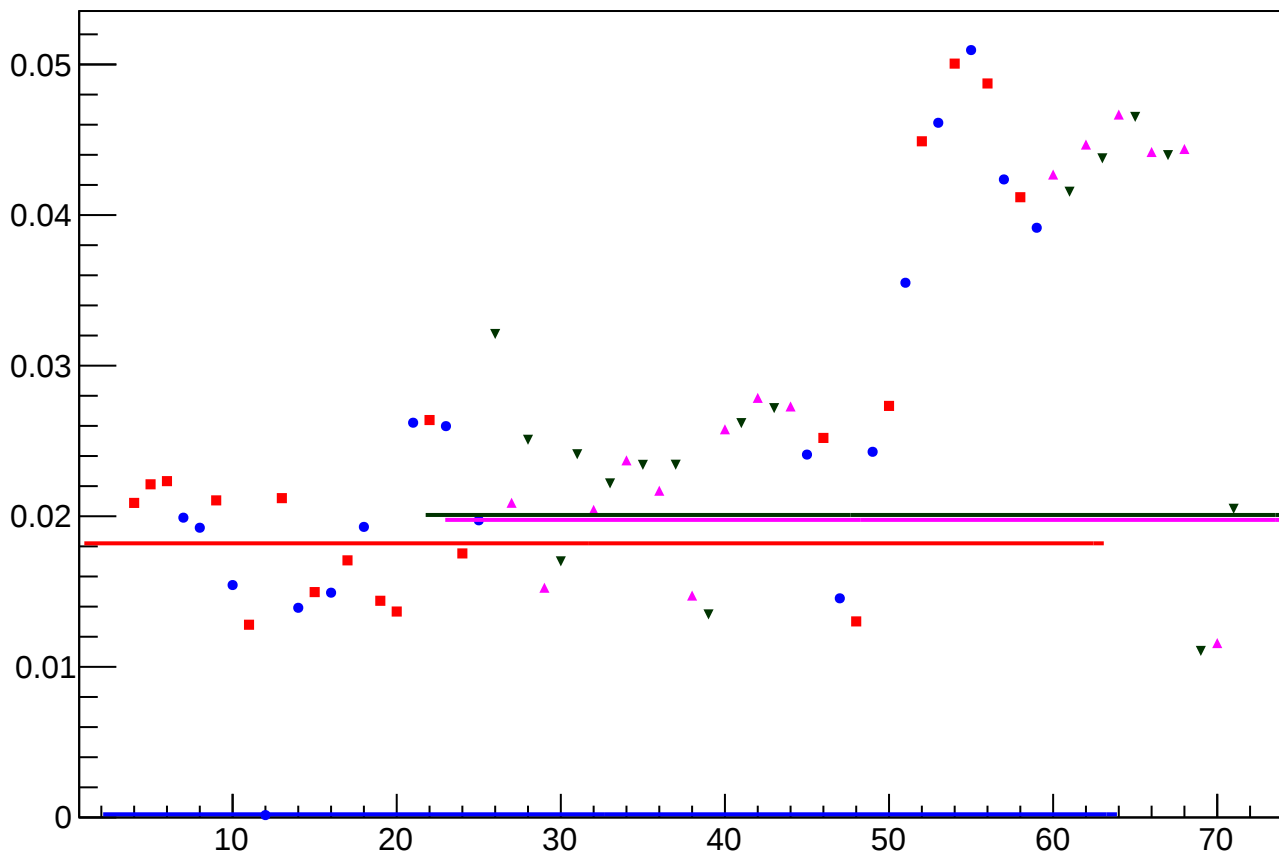
Right Out: 0.054+/-0.000 χ^2/NDF : 3509628523.3/18

Left In: 0.273+/-0.000 χ^2/NDF :31532377.0/14

0.060+/-0.000 χ^2/NDF : 4690038019.9/33

0.145+/-0.000 χ^2/NDF : 4041755509.3/33

yield_bpm4ecX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 19749394.2/17

Left Out: 0.020+/-0.000 χ^2/NDF : 2333056.6/15

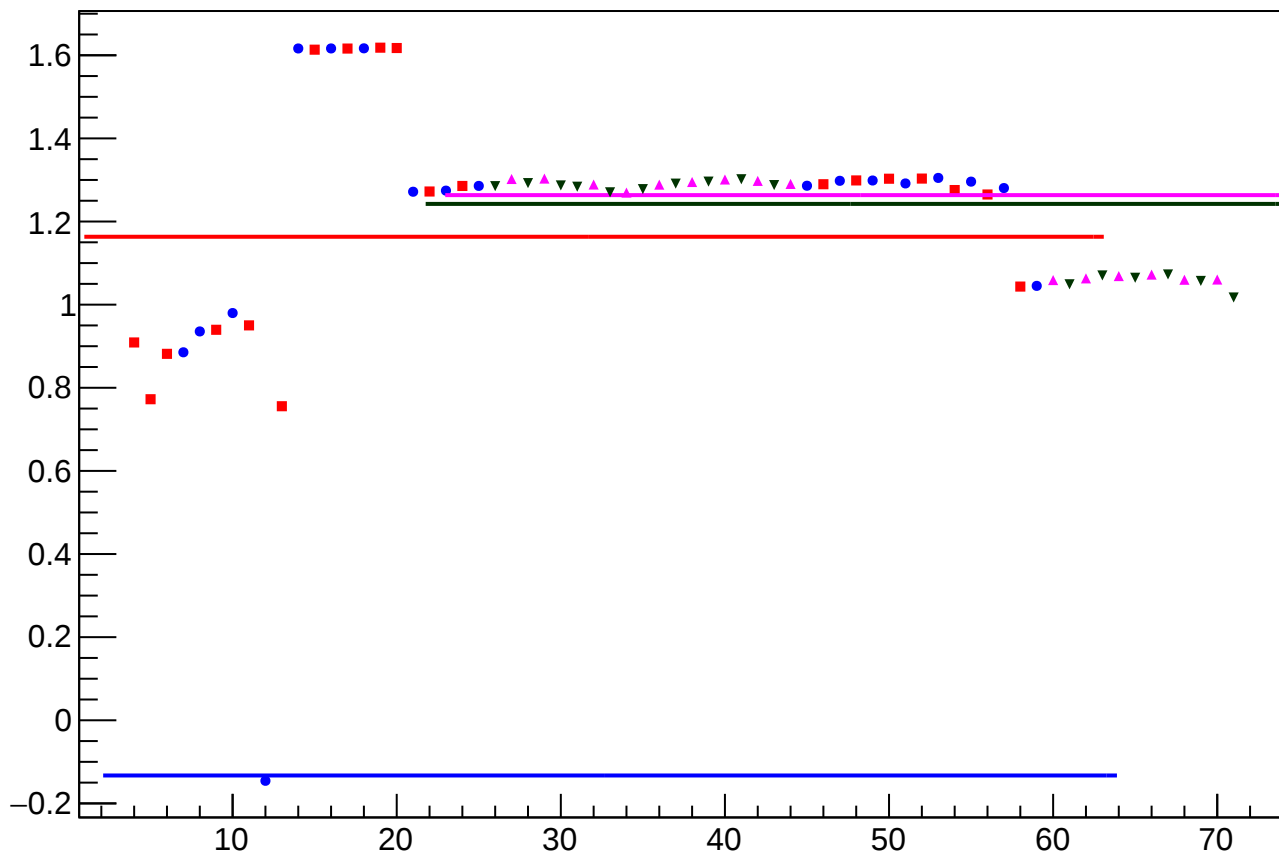
Right Out: 0.018+/-0.000 χ^2/NDF : 2422437.2/18

Left In: 0.020+/-0.000 χ^2/NDF : 2491217.5/14

0.000+/-0.000 χ^2/NDF : 35265557.4/33

0.019+/-0.000 χ^2/NDF : 4964184.3/33

yield_bpm4ecY_mean vs slug



Right In: -0.133+/-0.000 χ^2 /NDF: 169320914657.8/17

Left Out: 1.242+/-0.000 χ^2 /NDF: 576874424.9/15

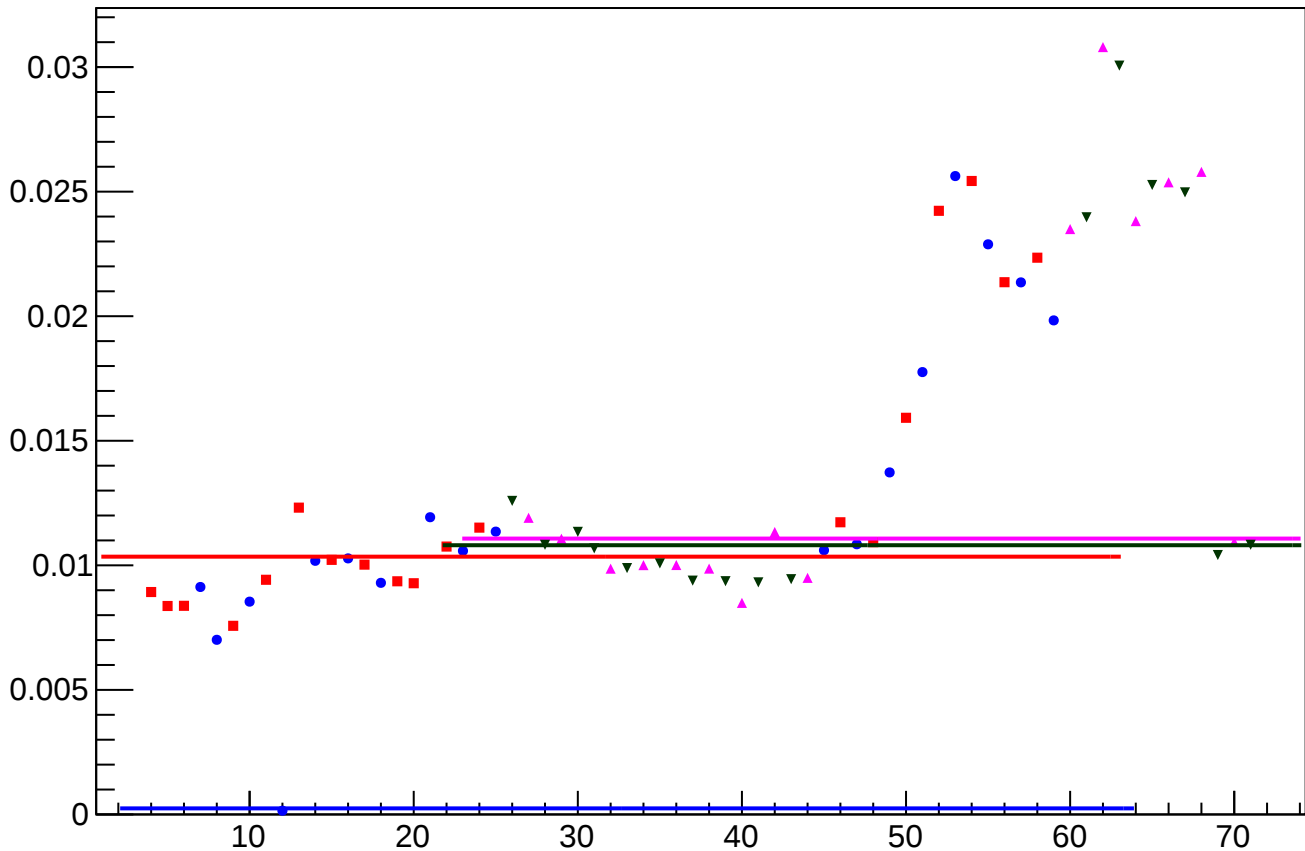
Right Out: 1.163+/-0.000 χ^2 /NDF: 7253036603.9/18

Left In: 1.264+/-0.000 χ^2 /NDF: 363865658.1/14

-0.124+/-0.000 χ^2 /NDF: 285745831099.0/33

1.206+/-0.000 χ^2 /NDF: 7959986293.2/33

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 :1299474.1/15

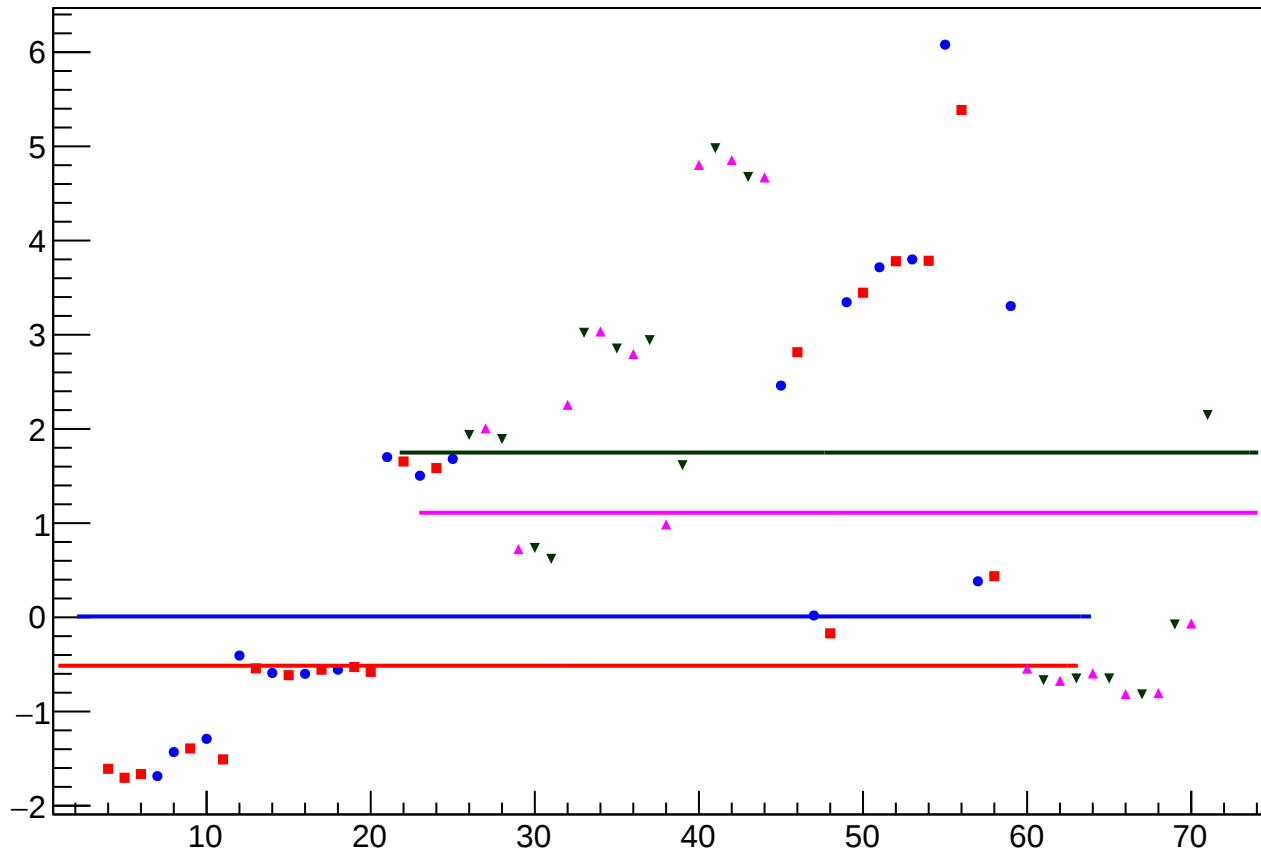
Right Out: 0.010+/-0.000 χ^2/NDF : 1619353.0/18

Left In: 0.011+/-0.000 χ^2/NDF :1605194.1/14

0.000+/-0.000 χ^2/NDF : 34175254.3/33

0.011+/-0.000 χ^2/NDF : 3260590.7/33

yield_bpm1X_mean vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 18135045883.2/17

Left Out: 1.749+/-0.000 χ^2/NDF : 2101558974.4/15

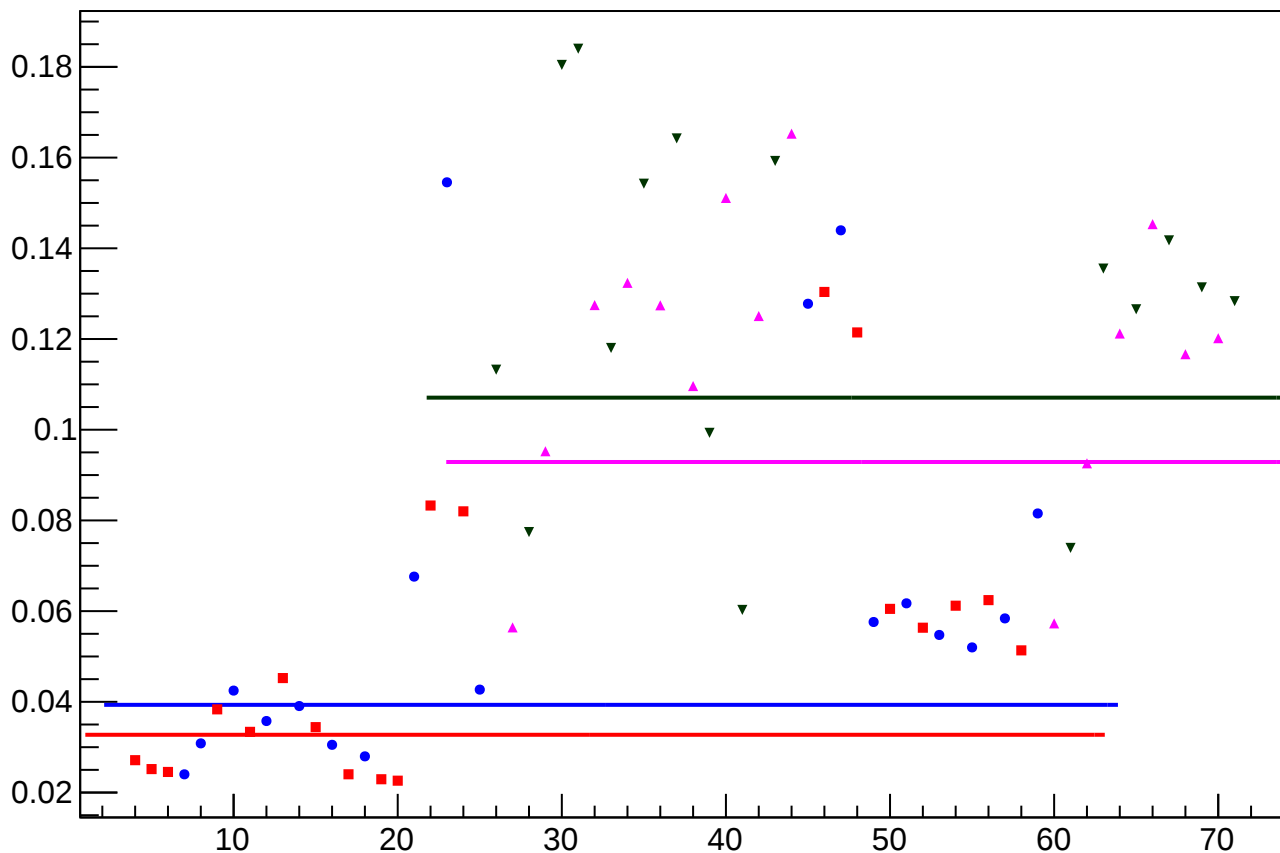
0.183+/-0.000 χ^2/NDF : 21673051551.2/33

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

-0.345+/-0.000 χ^2/NDF : 18236105876.0/33

Left In: 1.110+/-0.000 χ^2/NDF : 2077983782.7/14

yield_bpm1X_rms vs slug



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

Left Out: 0.107+/-0.000 χ^2/NDF : 1402604.5/15

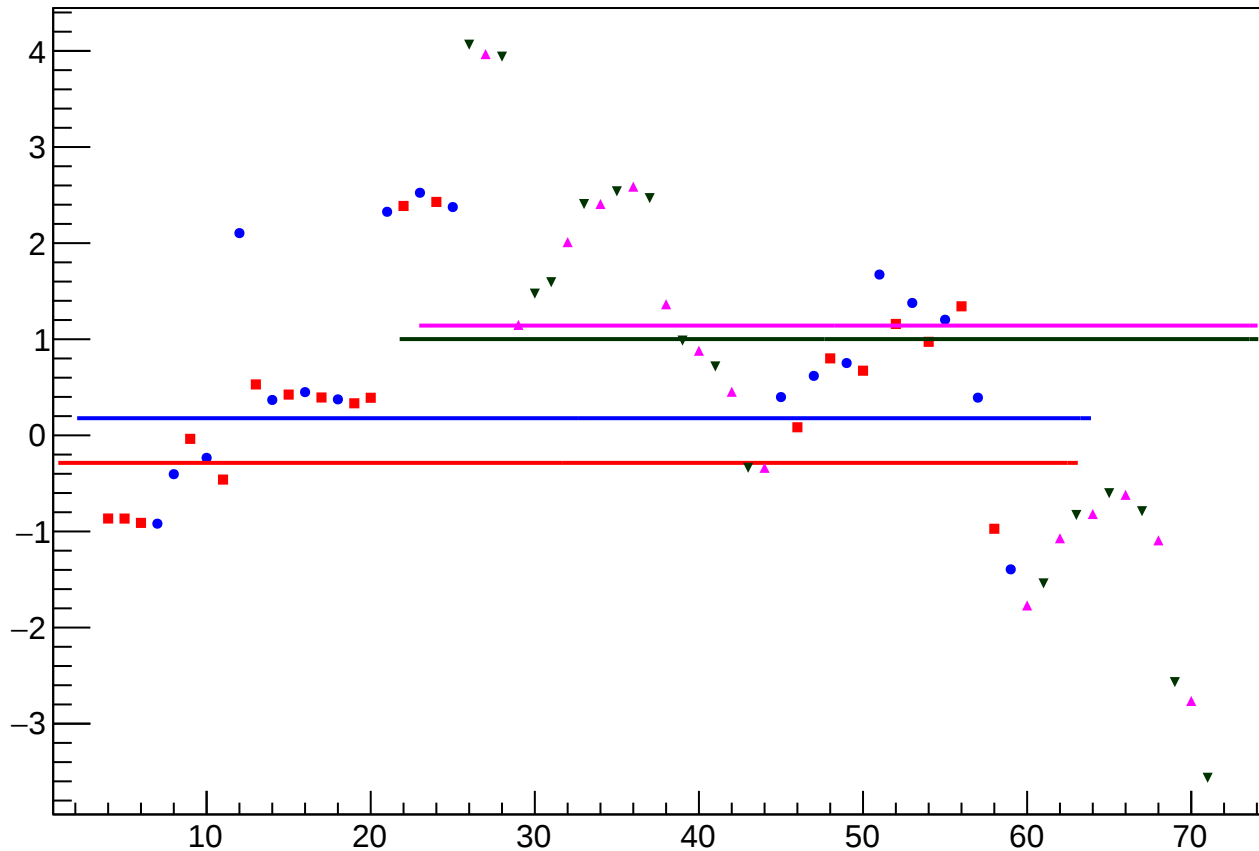
Right Out: 0.033+/-0.000 χ^2/NDF : 2838022.5/18

Left In: 0.093+/-0.000 χ^2/NDF : 1687307.9/14

0.046+/-0.000 χ^2/NDF : 8834764.4/33

0.039+/-0.000 χ^2/NDF : 9143366.0/33

yield_bpm1Y_mean vs slug



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

Left Out: 1.002 ± 0.000 χ^2/NDF : 5013941347.6/15

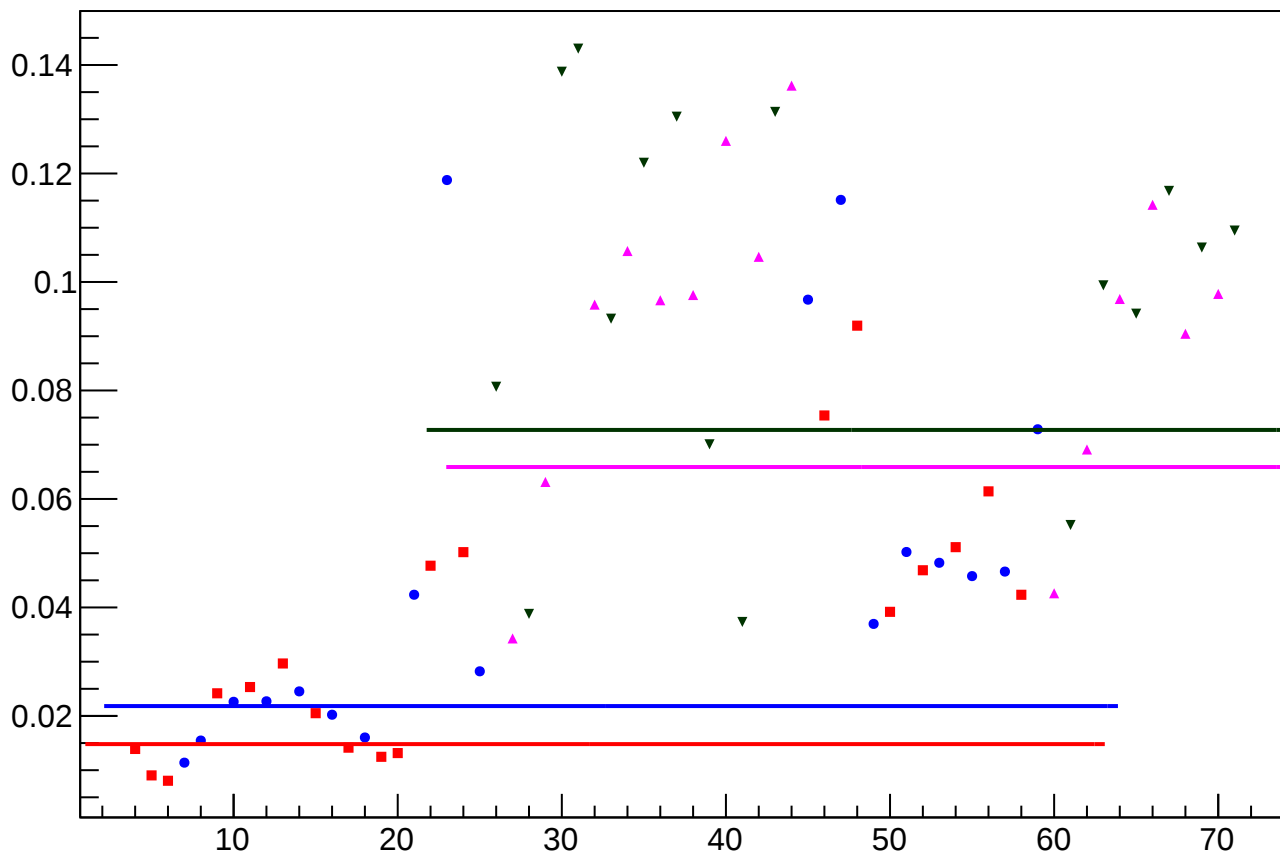
0.240 ± 0.000 χ^2/NDF : 15118772724.0/33

Right Out: -0.286 ± 0.000 χ^2/NDF : 10734675455.5/18

-0.207 ± 0.000 χ^2/NDF : 20069508510.6/33

Left In: 1.142 ± 0.000 χ^2/NDF : 6868659281.1/14

yield_bpm1Y_rms vs slug



Right In: 0.022+/-0.000 χ^2/NDF : 4669284.8/17

Left Out: 0.073+/-0.000 χ^2/NDF : 2347940.2/15

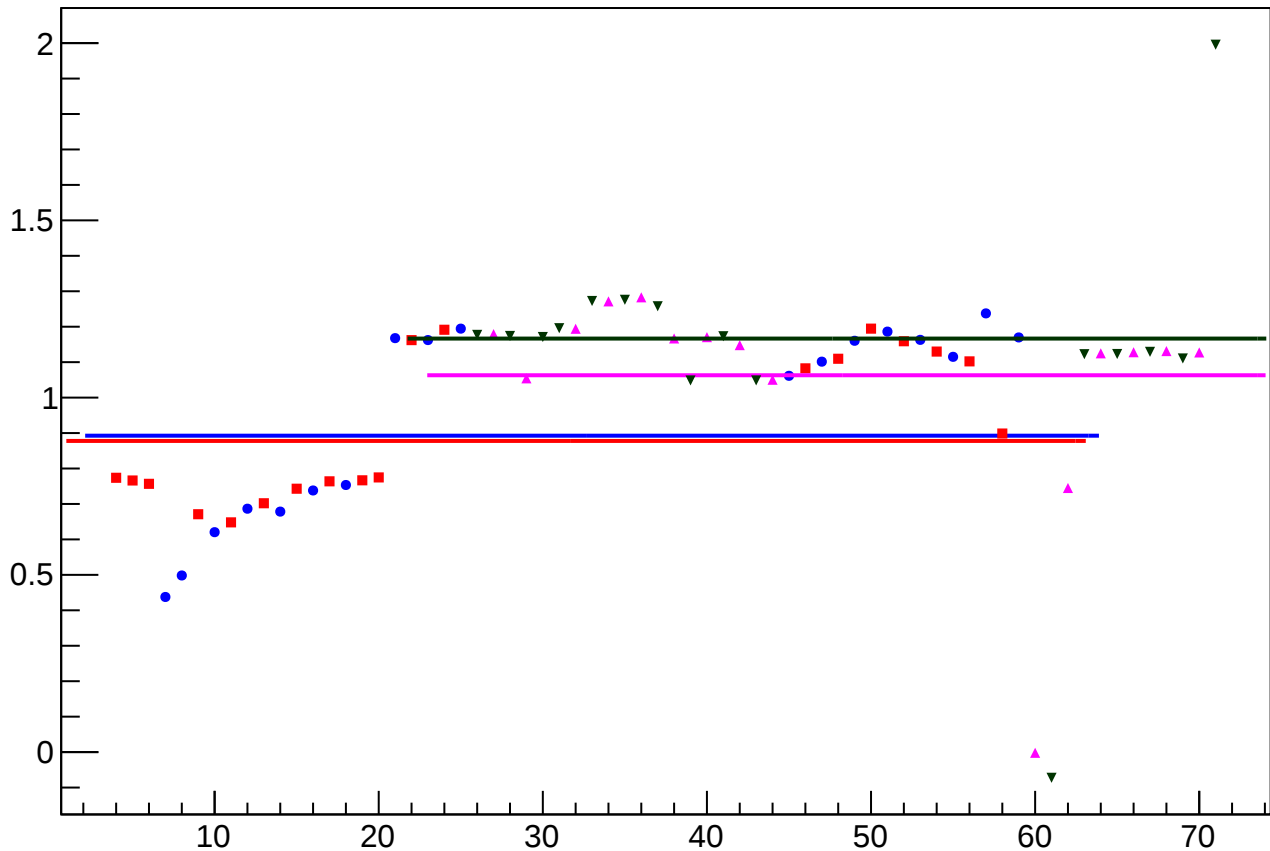
Right Out: 0.015+/-0.000 χ^2/NDF : 4938559.5/18

Left In: 0.066+/-0.000 χ^2/NDF : 2459633.9/14

0.026+/-0.000 χ^2/NDF : 11775297.6/33

0.018+/-0.000 χ^2/NDF : 13705107.0/33

yield_bpm11X_mean vs slug



Right In: 0.893 ± 0.000 χ^2/NDF : 1629156385.0/17

Left Out: 1.167 ± 0.000 χ^2/NDF : 1907232361.3/15

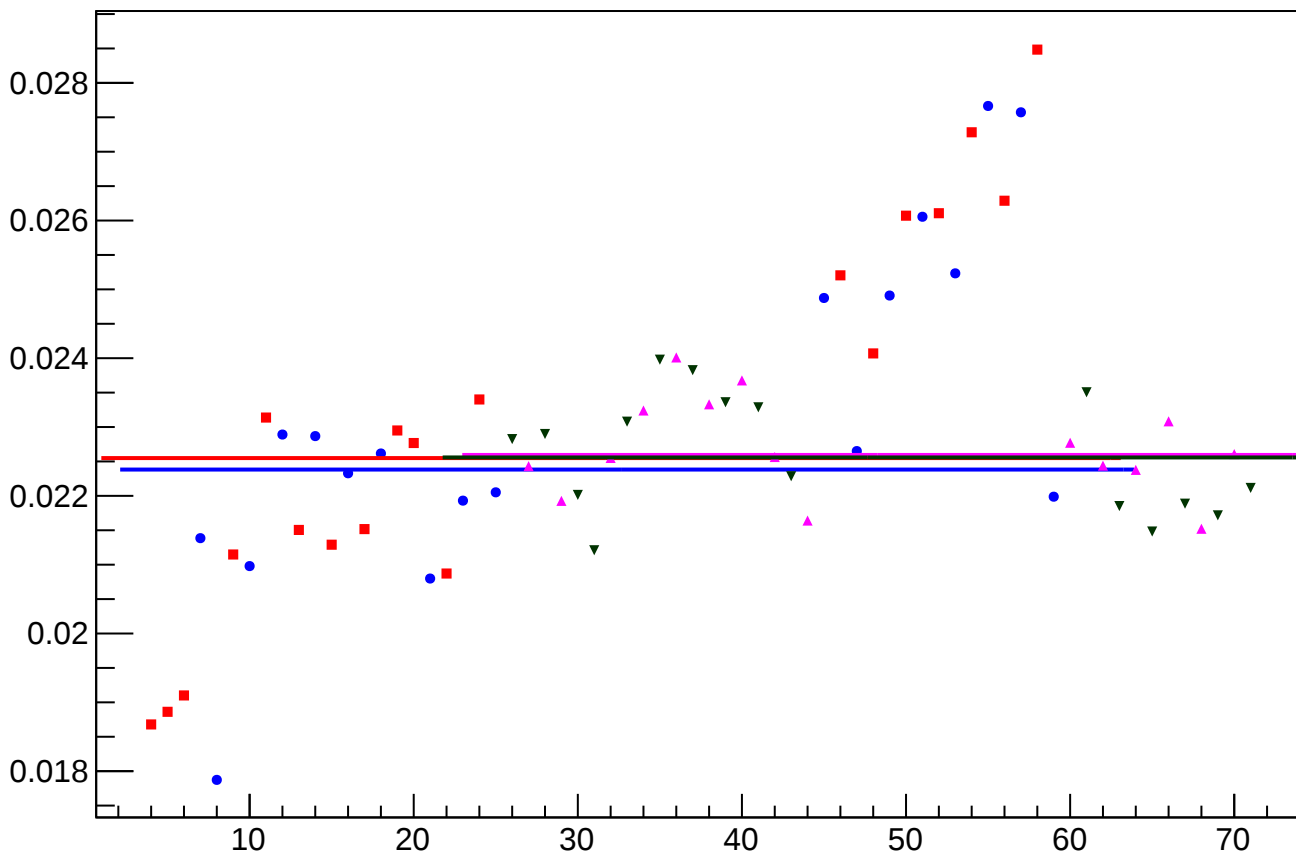
1.009 ± 0.000 χ^2/NDF : 4221134810.4/33

Right Out: 0.878 ± 0.000 χ^2/NDF : 761495098.5/18

0.965 ± 0.000 χ^2/NDF : 2405048746.2/33

Left In: 1.063 ± 0.000 χ^2/NDF : 1342975982.8/14

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 : 21253.9/15

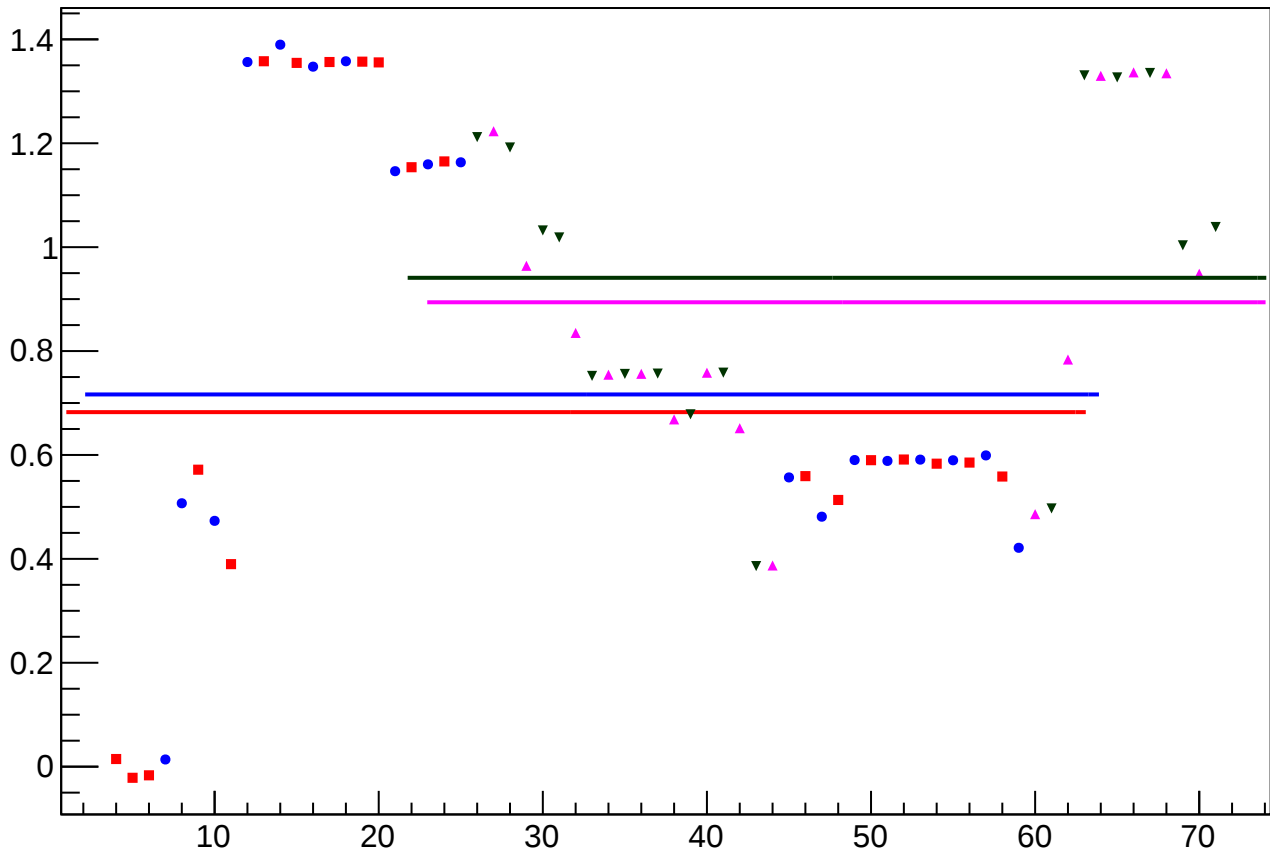
Right Out: 0.023+/-0.000 χ^2/NDF : 246194.4/18

Left In: 0.023+/-0.000 χ^2/NDF : 13683.6/14

0.022+/-0.000 χ^2/NDF : 286429.9/33

0.023+/-0.000 χ^2/NDF : 259914.2/33

yield_bpm11Y_mean vs slug



Right In: 0.716 ± 0.000 χ^2/NDF : 131330740430.7/17

Left Out: 0.941 ± 0.000 χ^2/NDF : 50302485193.8/15

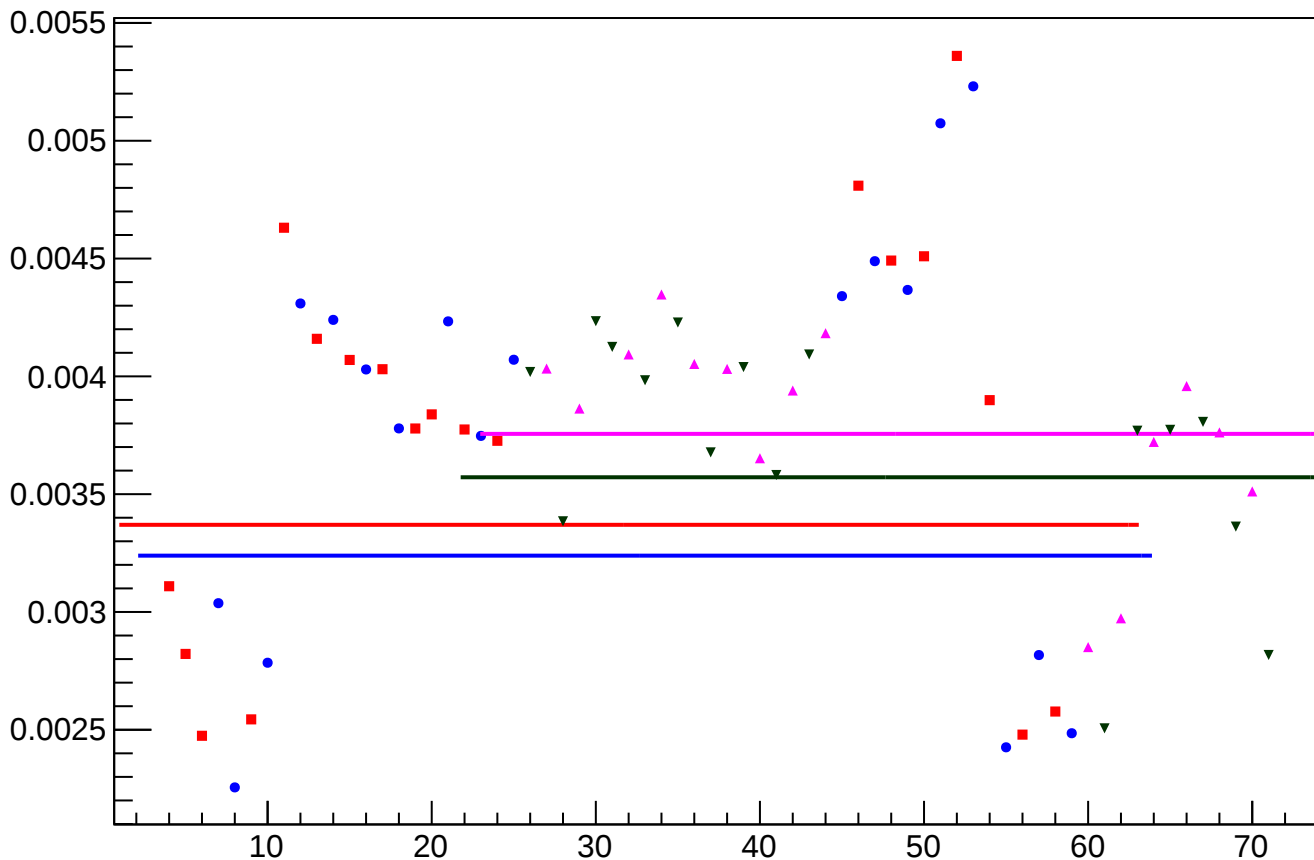
0.804 ± 0.000 χ^2/NDF : 200448921412.1/33

Right Out: 0.682 ± 0.000 χ^2/NDF : 168328456976.2/18

0.772 ± 0.000 χ^2/NDF : 231457642152.2/33

Left In: 0.894 ± 0.000 χ^2/NDF : 48084174809.8/14

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 : 342925.9/15

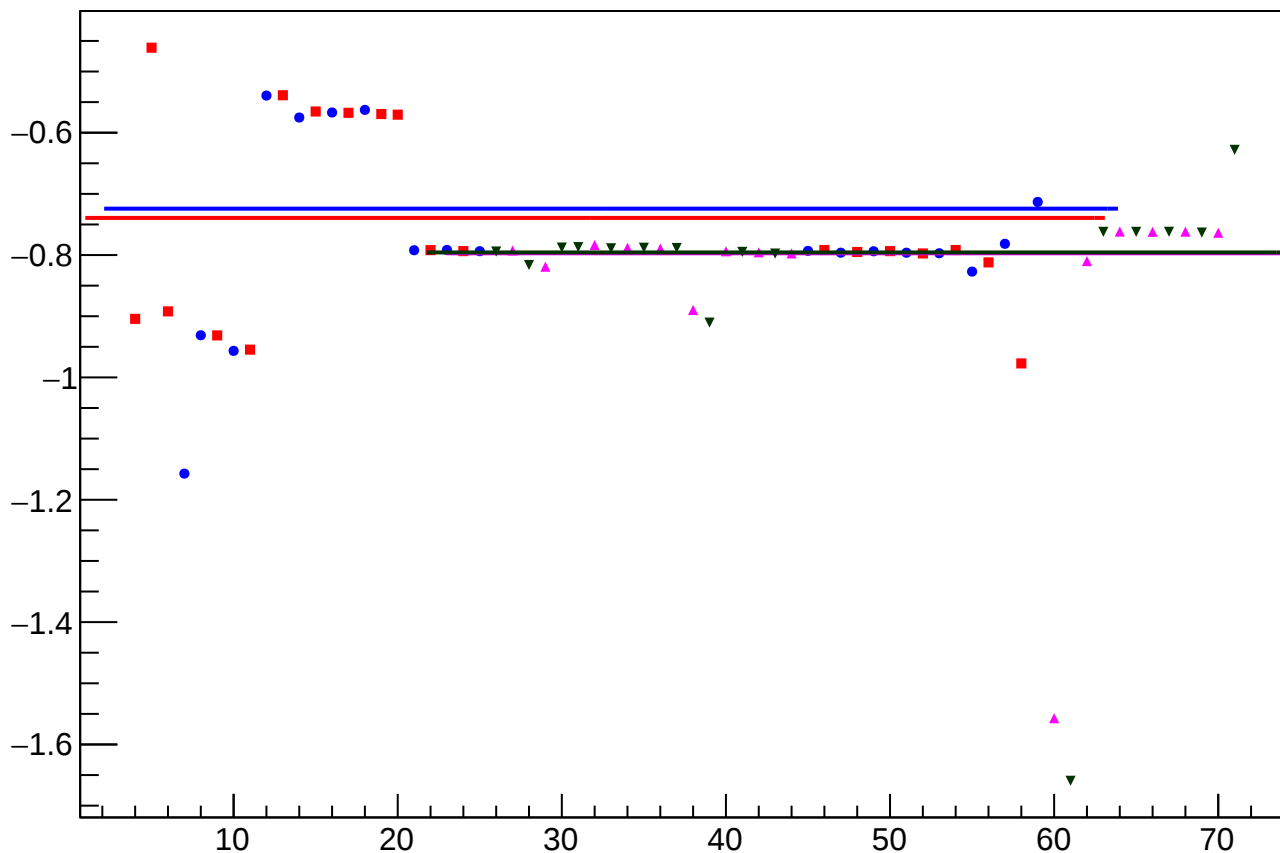
Right Out: 0.003+/-0.000 χ^2/NDF : 1158167.7/18

Left In: 0.004+/-0.000 χ^2/NDF : 207347.0/14

0.003+/-0.000 χ^2/NDF : 1978341.6/33

0.004+/-0.000 χ^2/NDF : 1465763.9/33

yield_bpm12X_mean vs slug



Right In: -0.724+/-0.000 χ^2 /NDF: 2243966662.4/17

Left Out: -0.796+/-0.000 χ^2 /NDF: 654340253.8/15

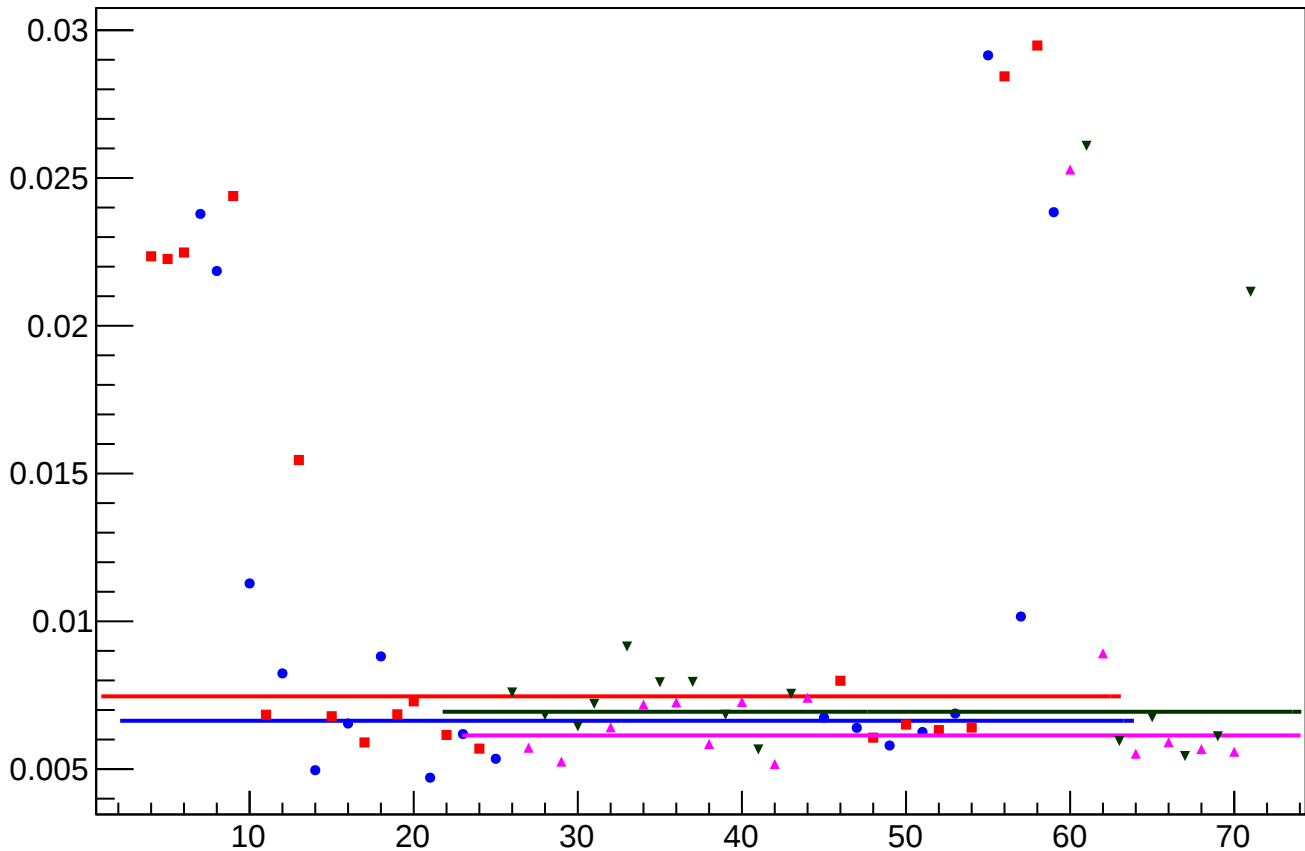
Right Out: -0.739+/-0.000 χ^2 /NDF: 1945829237.2/18

Left In: -0.797+/-0.000 χ^2 /NDF: 632450199.3/14

-0.755+/-0.000 χ^2 /NDF: 3252390076.0/33

-0.773+/-0.000 χ^2 /NDF: 2799818908.6/33

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 : 1120753.1/15

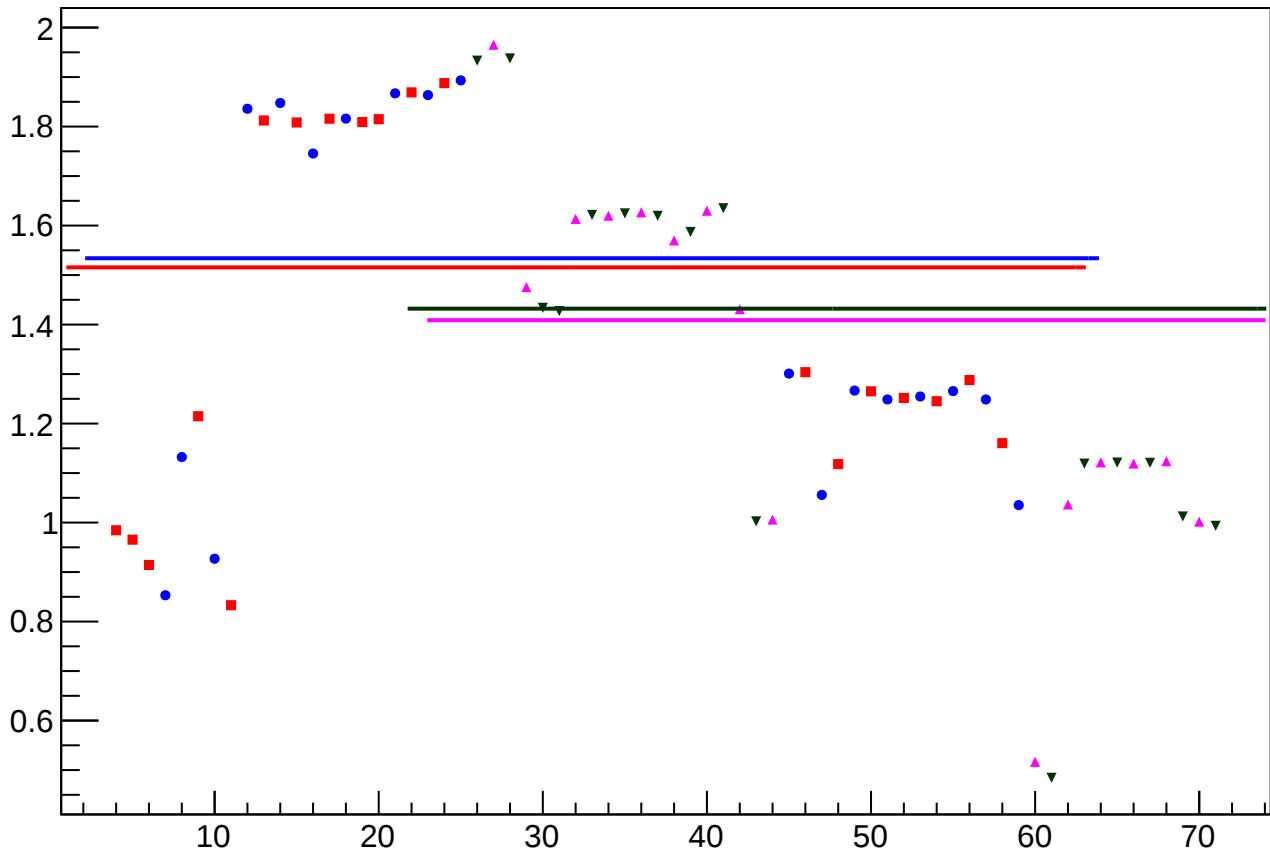
Right Out: 0.007 ± 0.000 χ^2/NDF : 3478880.3/18

Left In: 0.006 ± 0.000 χ^2/NDF : 826804.6/14

0.007 ± 0.000 χ^2/NDF : 4481075.1/33

0.007 ± 0.000 χ^2/NDF : 4536838.8/33

yield_bpm12Y_mean vs slug



Right In: 1.534 ± 0.000 χ^2/NDF : 22395382646.2/17

Left Out: 1.432 ± 0.000 χ^2/NDF : 17675301004.4/15

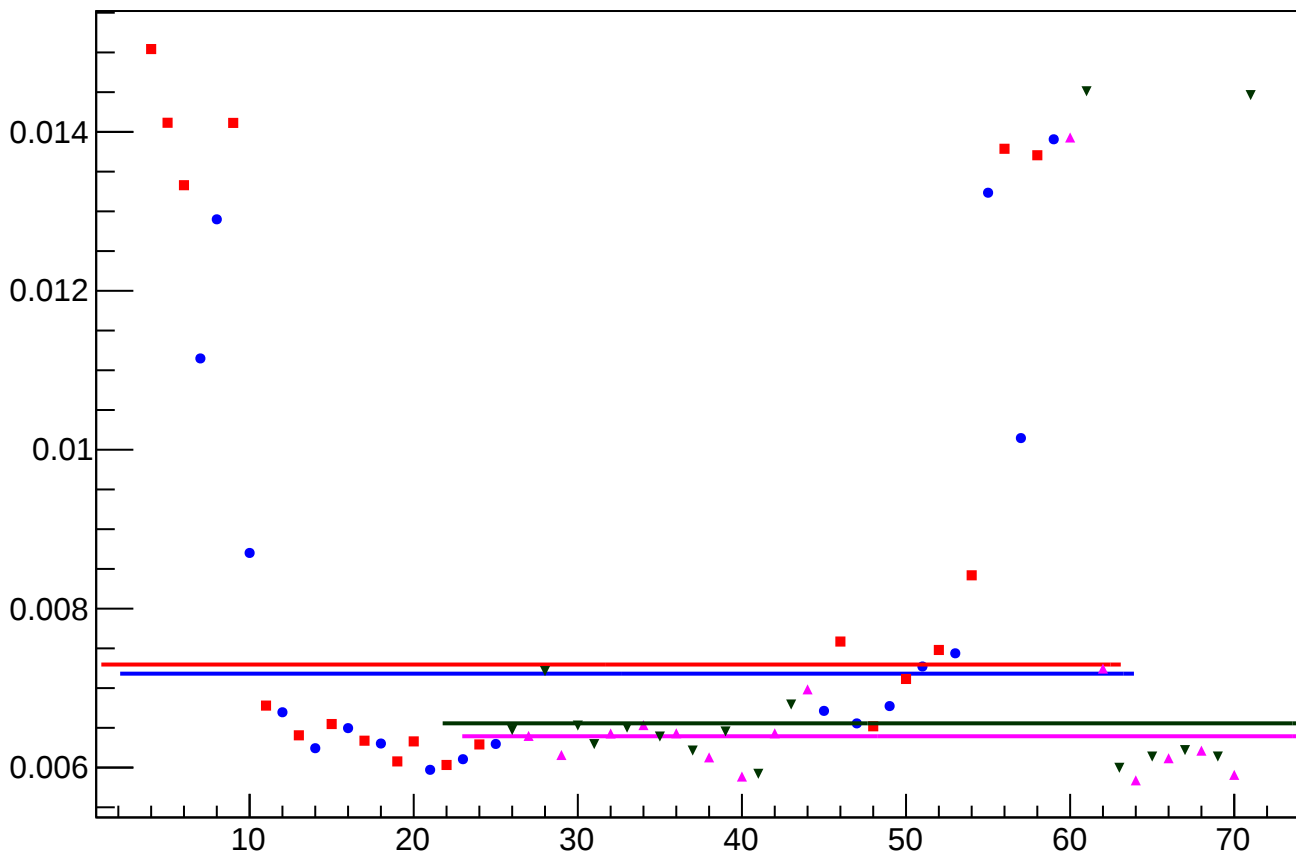
Right Out: 1.516 ± 0.000 χ^2/NDF : 21754735470.0/18

Left In: 1.409 ± 0.000 χ^2/NDF : 19152938943.3/14

1.486 ± 0.000 χ^2/NDF : 41003062436.9/33

1.458 ± 0.000 χ^2/NDF : 41897978699.1/33

yield_bpm12Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 1305539.8/17

Left Out: 0.007+/-0.000 χ^2/NDF :567754.9/15

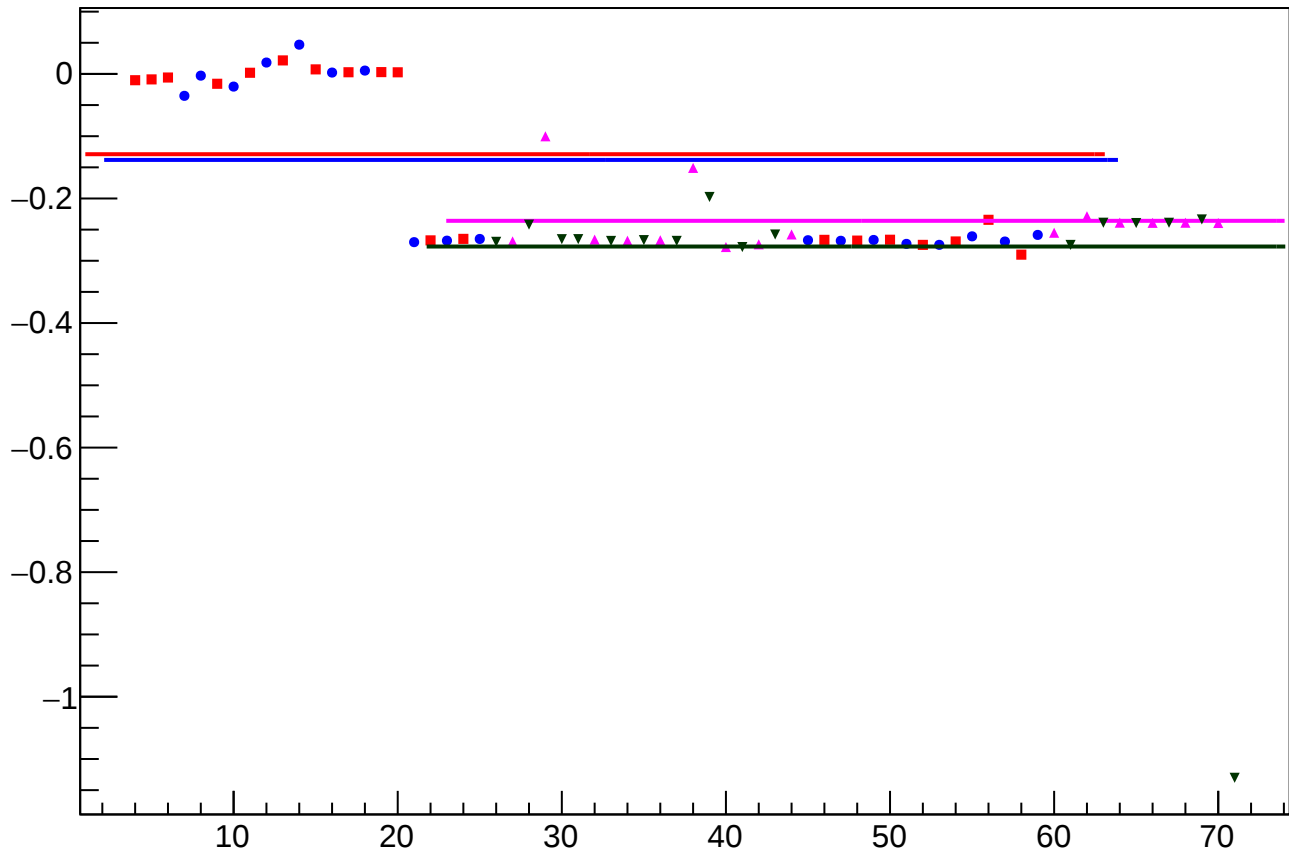
Right Out: 0.007+/-0.000 χ^2/NDF : 1457854.6/18

Left In: 0.006+/-0.000 χ^2/NDF :342342.2/14

0.007+/-0.000 χ^2/NDF : 1943545.2/33

0.007+/-0.000 χ^2/NDF : 1941877.4/33

yield_bpm16X_mean vs slug



Right In: -0.138+/-0.000 χ^2/NDF : 7275574194.7/17

Left Out: -0.277+/-0.000 χ^2/NDF : 5769661178.5/15

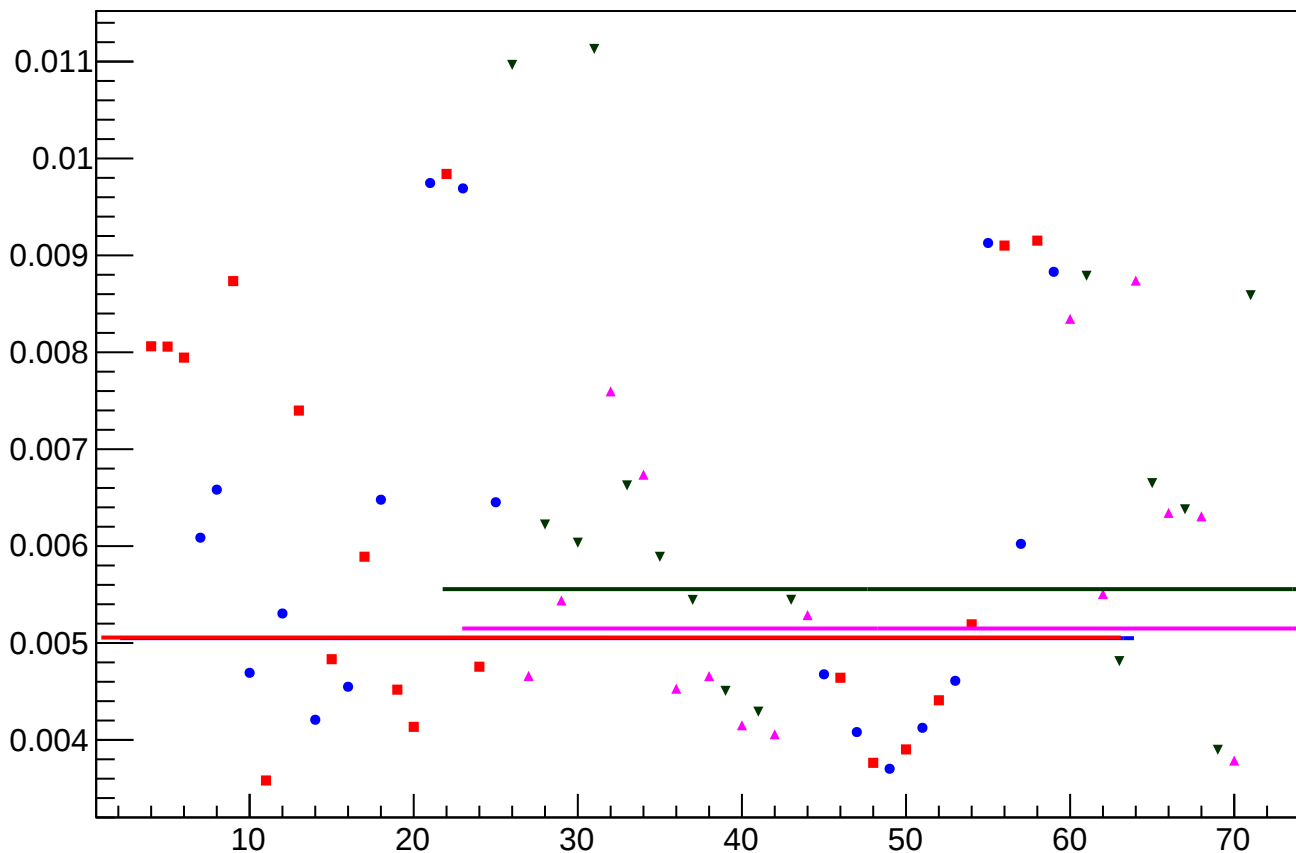
Right Out: -0.129+/-0.000 χ^2/NDF : 5878929515.5/18

Left In: -0.236+/-0.000 χ^2/NDF : 791683521.0/14

-0.192+/-0.000 χ^2/NDF : 15775824886.7/33

-0.179+/-0.000 χ^2/NDF : 8380595175.4/33

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 :1070647.5/15

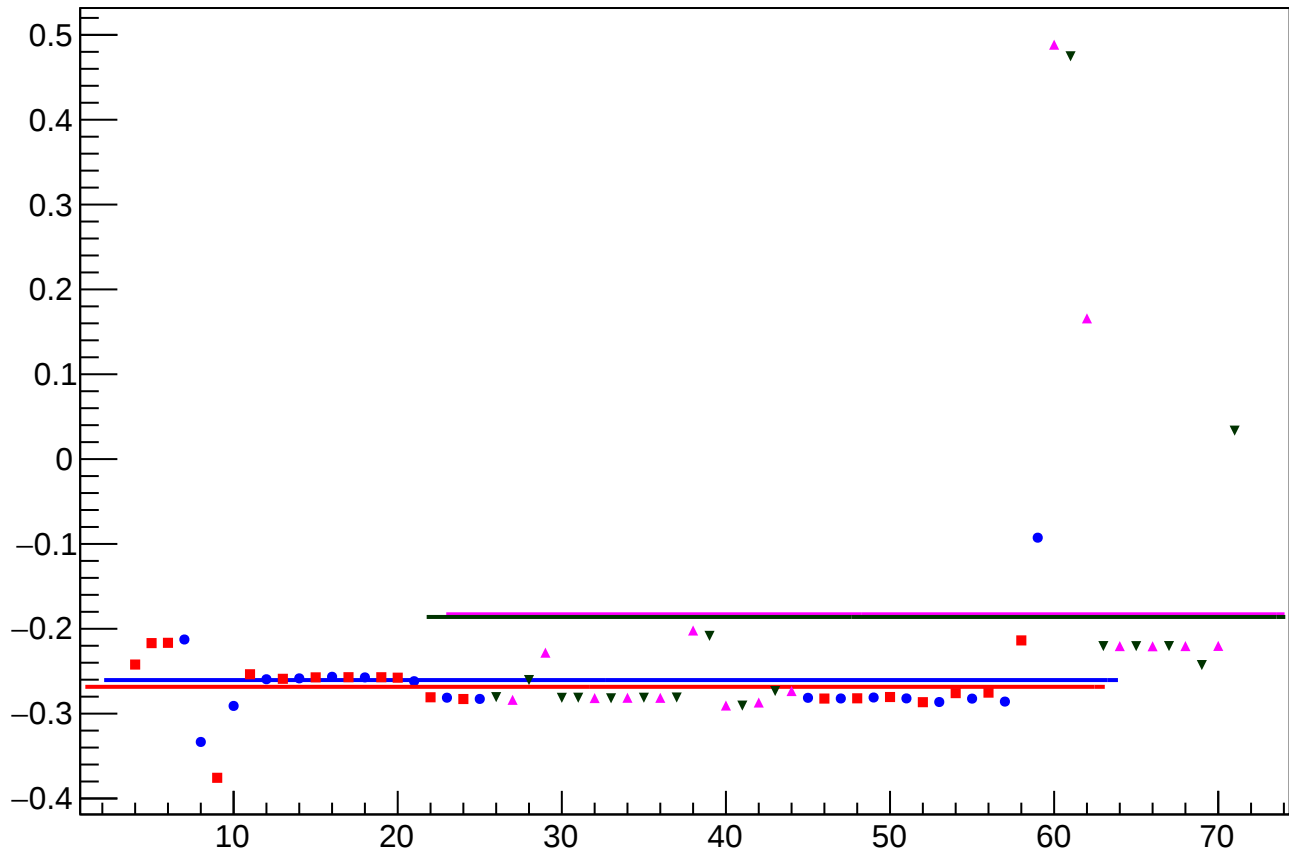
Right Out: 0.005+/-0.000 χ^2/NDF : 1822469.4/18

Left In: 0.005+/-0.000 χ^2/NDF :887409.7/14

0.005+/-0.000 χ^2/NDF : 2807383.1/33

0.005+/-0.000 χ^2/NDF : 2712471.7/33

yield_bpm16Y_mean vs slug



Right In: -0.260+/-0.000 χ^2/NDF : 6878369368.1/17

Left Out: -0.186+/-0.000 χ^2/NDF : 44832985262.4/15

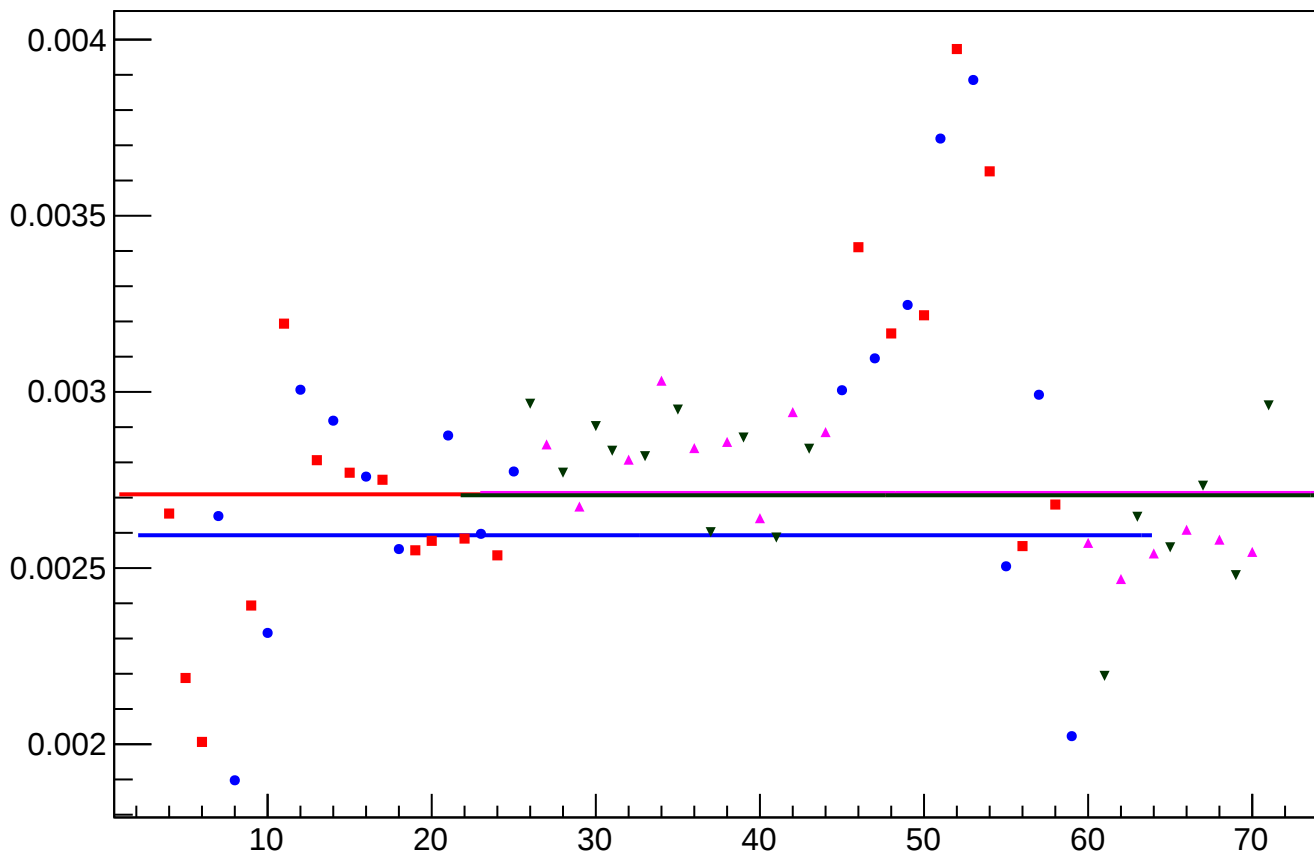
Right Out: -0.268+/-0.000 χ^2/NDF : 2185355194.4/18

Left In: -0.183+/-0.000 χ^2/NDF : 44131549040.7/14

-0.230+/-0.000 χ^2/NDF : 55268812501.9/33

-0.228+/-0.000 χ^2/NDF : 50712020472.8/33

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 : 95698.4/15

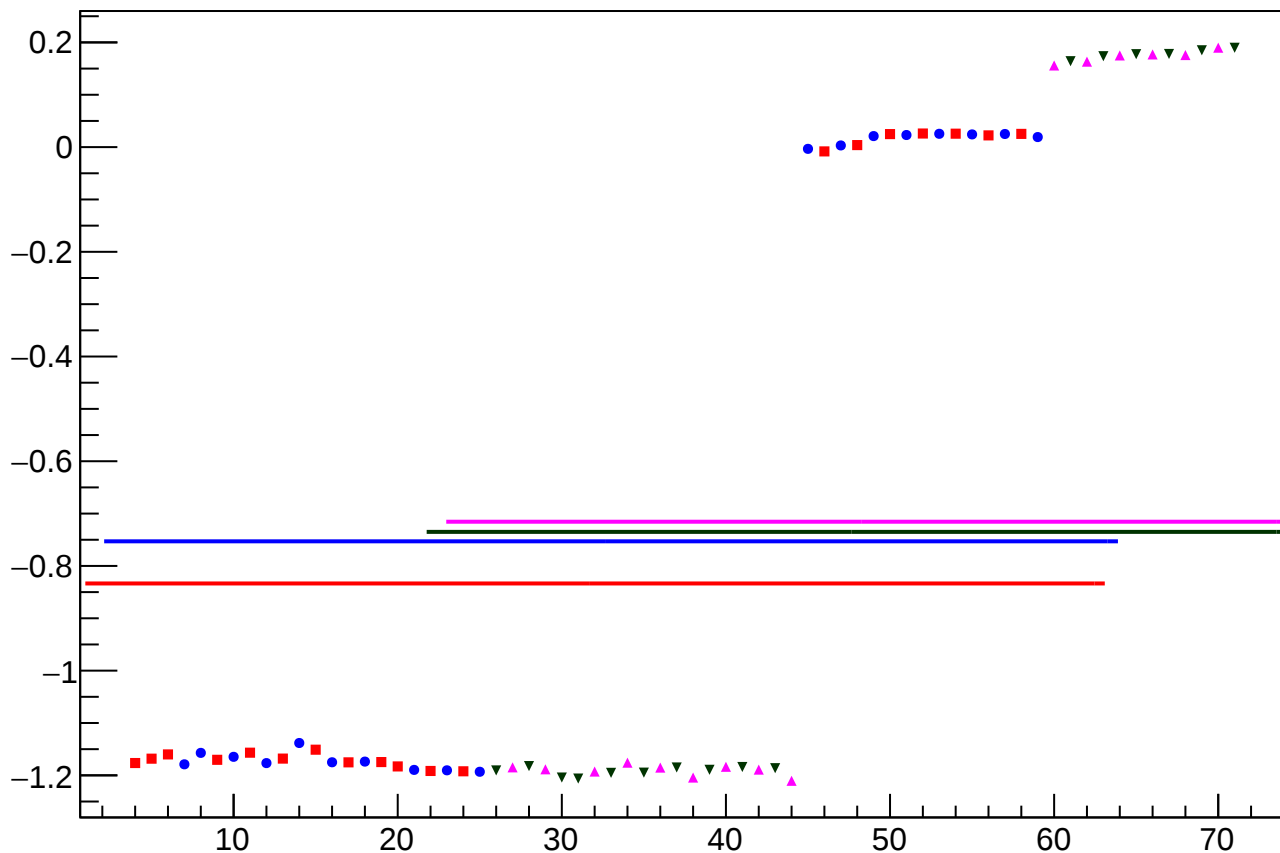
Right Out: 0.003+/-0.000 χ^2/NDF : 476230.4/18

Left In: 0.003+/-0.000 χ^2/NDF : 57022.1/14

0.003+/-0.000 χ^2/NDF : 886372.6/33

0.003+/-0.000 χ^2/NDF : 533270.6/33

yield_bpm2i01X_mean vs slug



Right In: -0.753+/-0.000 χ^2/NDF : 63524502695.2/17

Left Out: -0.735+/-0.000 χ^2/NDF : 50592089624.4/15

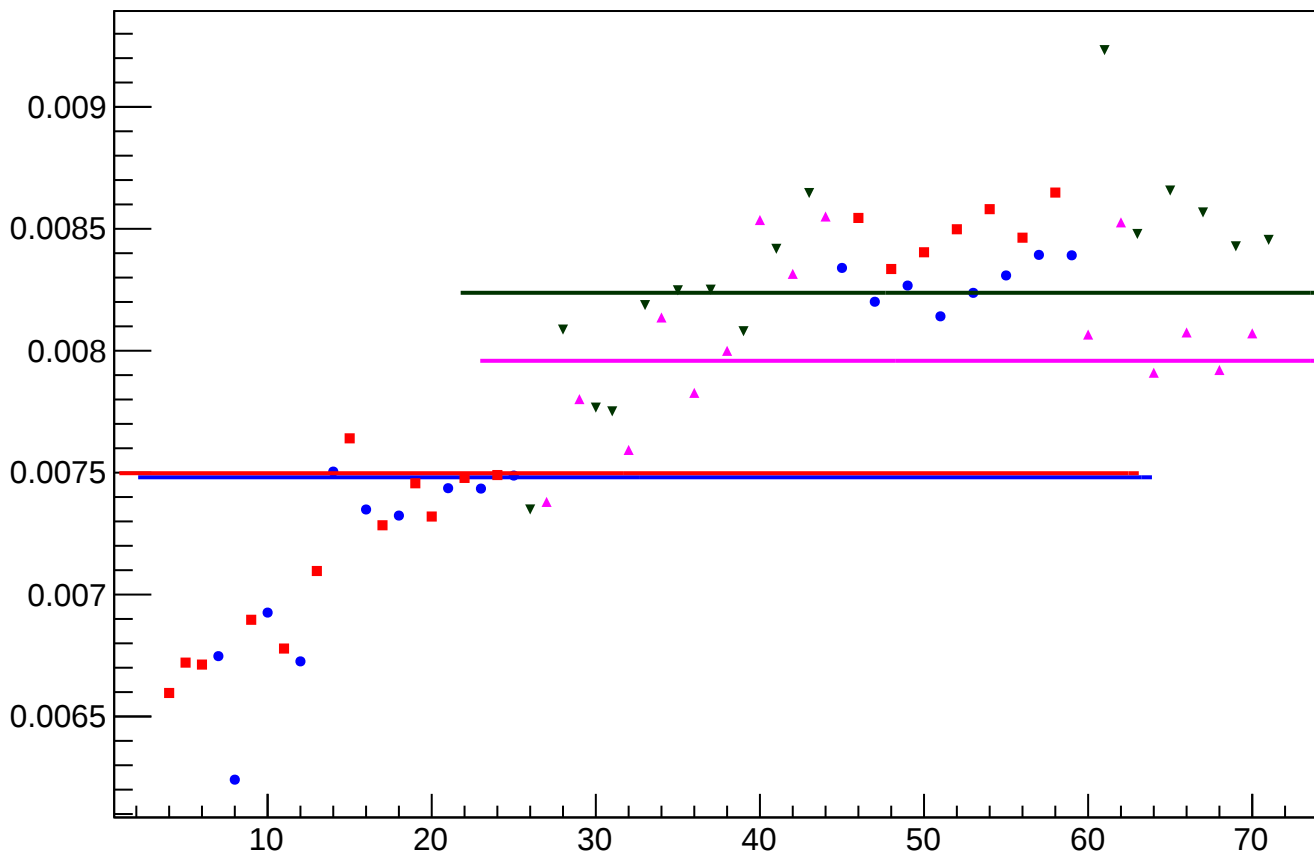
Right Out: -0.833+/-0.000 χ^2/NDF : 50332816661.3/18

Left In: -0.716+/-0.000 χ^2/NDF : 57336791439.0/14

-0.746+/-0.000 χ^2/NDF : 114141098363.8/33

-0.782+/-0.000 χ^2/NDF : 108734553685.5/33

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 : 40413.8/15

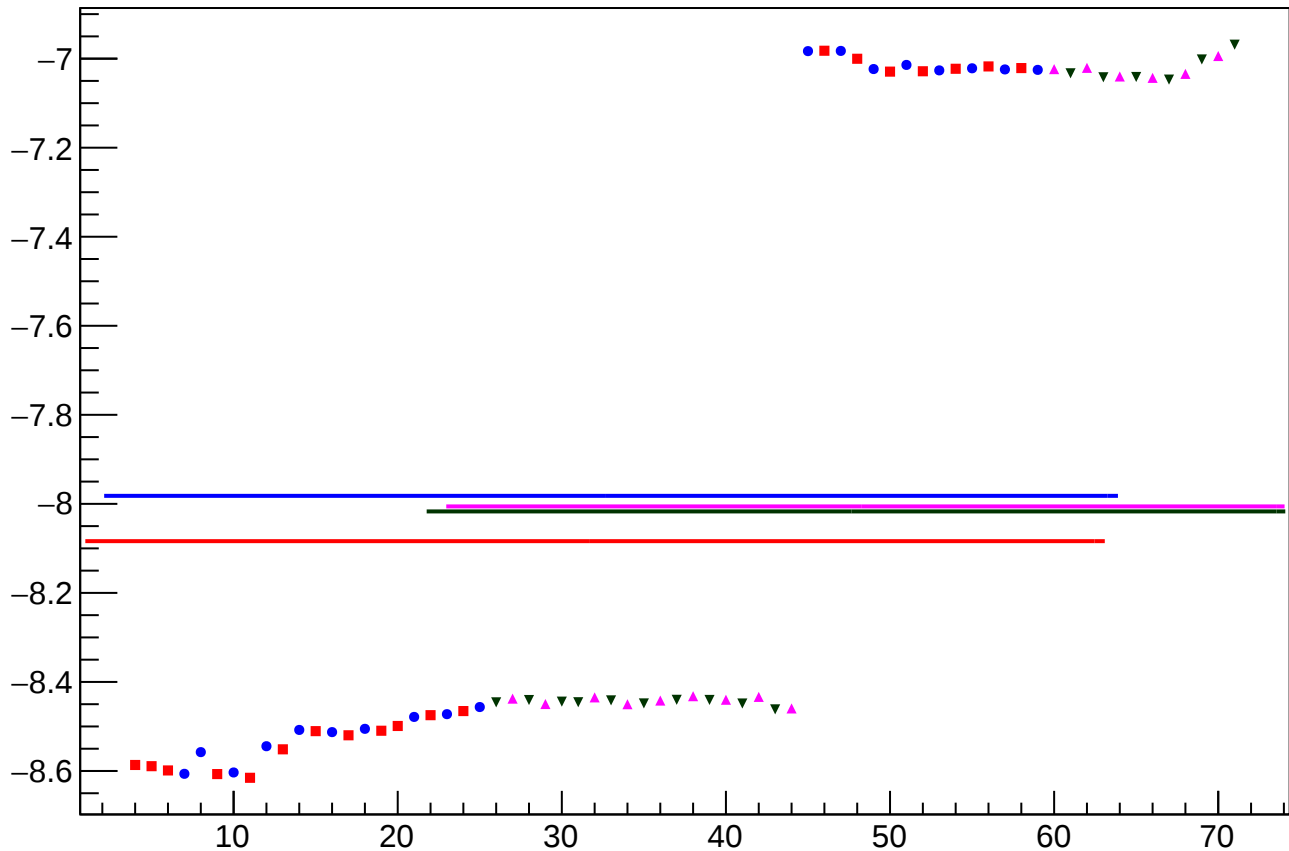
Right Out: 0.007+/-0.000 χ^2/NDF : 167417.2/18

Left In: 0.008+/-0.000 χ^2/NDF : 31753.8/14

0.008+/-0.000 χ^2/NDF : 322670.6/33

0.008+/-0.000 χ^2/NDF : 231714.3/33

yield_bpm2i01Y_mean vs slug



Right In: -7.982+/-0.000 χ^2/NDF : 116524136897.0/17

Left Out: -8.017+/-0.000 χ^2/NDF : 63338038971.1/15

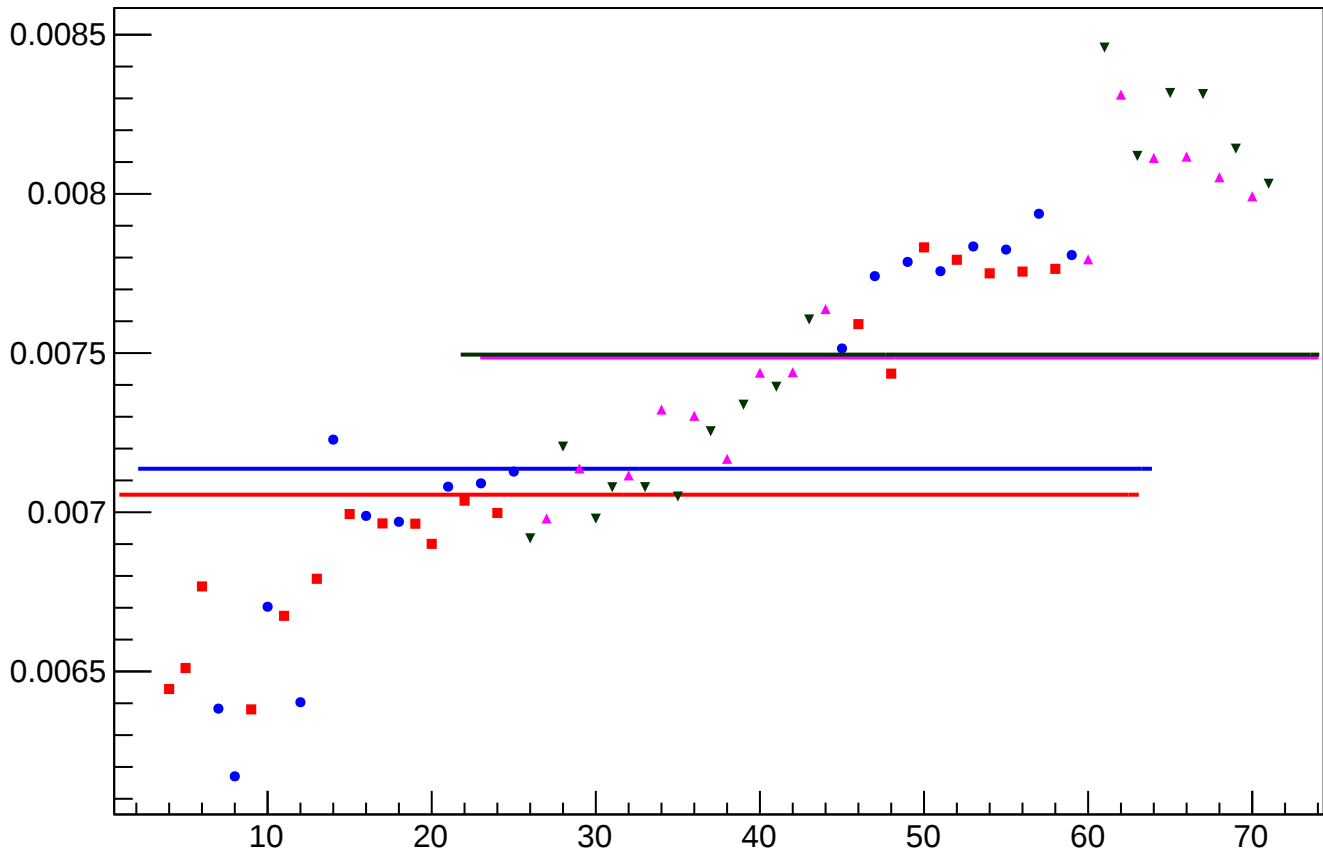
-7.996+/-0.000 χ^2/NDF : 179970574657.4/33

Right Out: -8.084+/-0.000 χ^2/NDF : 99506540389.5/18

-8.050+/-0.000 χ^2/NDF : 166528763075.4/33

Left In: -8.006+/-0.000 χ^2/NDF : 66489941405.4/14

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 : 75633.5/15

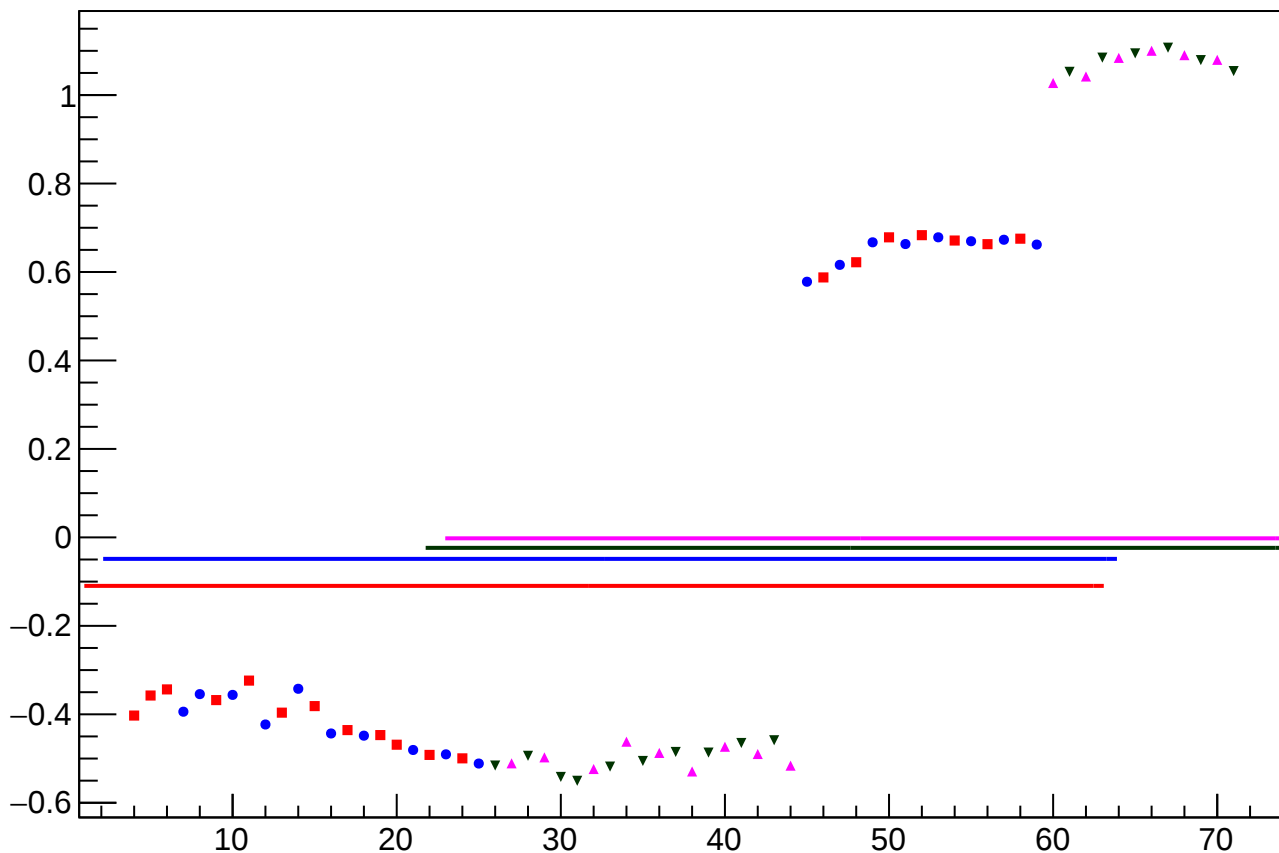
Right Out: 0.007+/-0.000 χ^2/NDF : 88863.4/18

Left In: 0.007+/-0.000 χ^2/NDF : 54659.4/14

0.007+/-0.000 χ^2/NDF : 239767.5/33

0.007+/-0.000 χ^2/NDF : 175974.1/33

yield_bpm2i02X_mean vs slug



Right In: -0.049+/-0.000 χ^2/NDF : 7806391272.8/17

Left Out: -0.024+/-0.000 χ^2/NDF : 9672619872.3/15

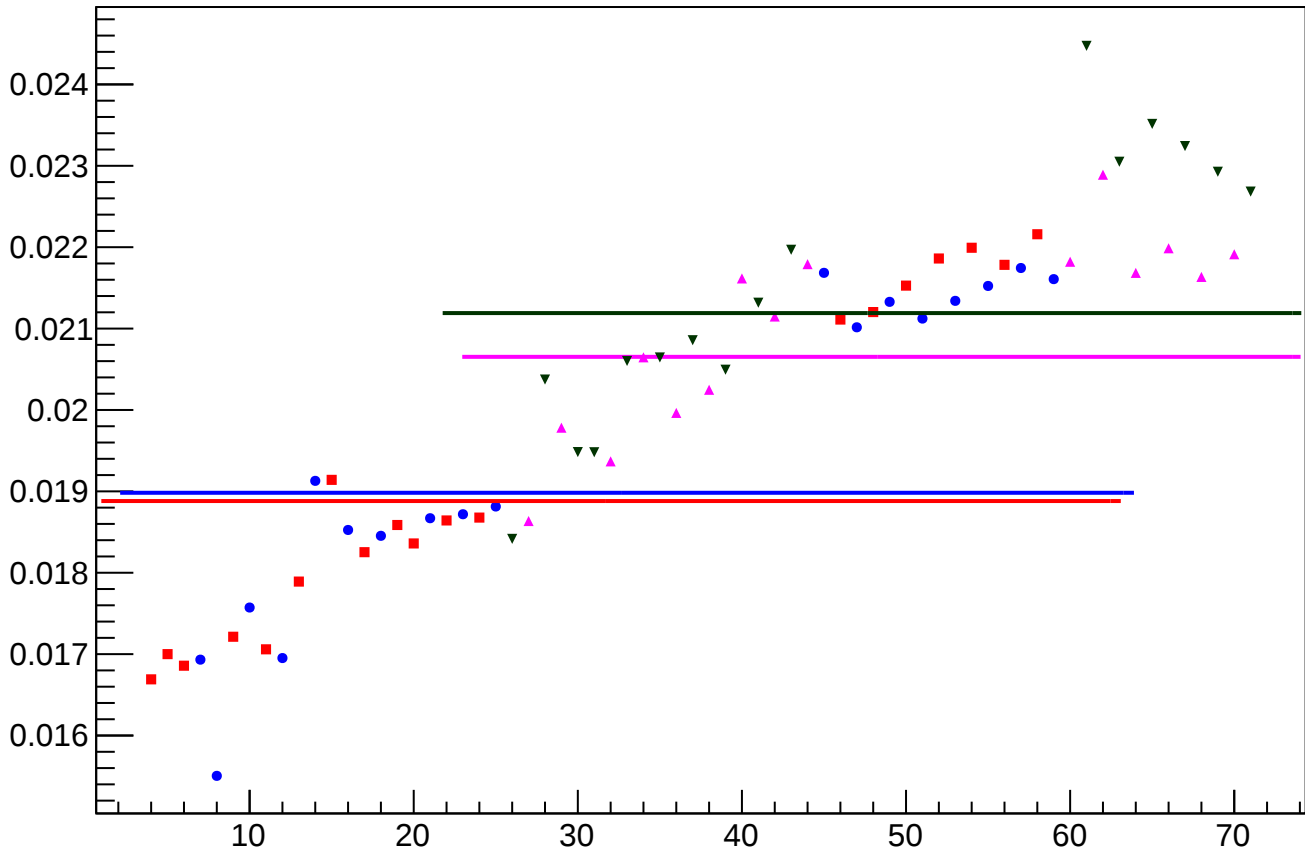
Right Out: -0.110+/-0.000 χ^2/NDF : 6259069670.0/18

Left In: -0.002+/-0.000 χ^2/NDF : 10854995998.0/14

-0.039+/-0.000 χ^2/NDF : 17486136394.5/33

-0.064+/-0.000 χ^2/NDF : 17248913535.7/33

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 : 92938.9/15

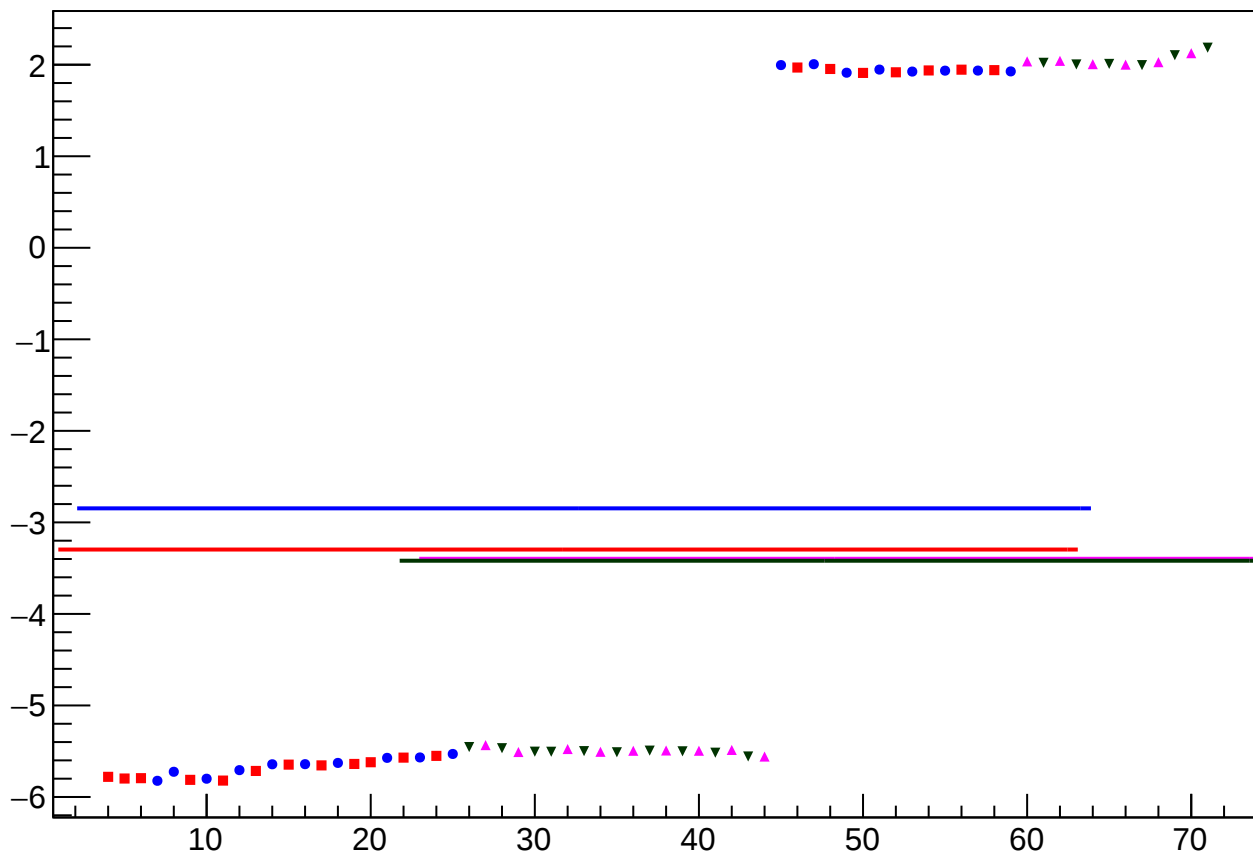
Right Out: 0.019+/-0.000 χ^2/NDF : 190553.3/18

Left In: 0.021+/-0.000 χ^2/NDF : 61487.1/14

0.020+/-0.000 χ^2/NDF : 459753.8/33

0.020+/-0.000 χ^2/NDF : 325289.1/33

yield_bpm2i02Y_mean vs slug



Right In: -2.847+/-0.000 χ^2/NDF : 988085675921.2/17

Left Out: -3.419+/-0.000 χ^2/NDF : 583718901994.6/15

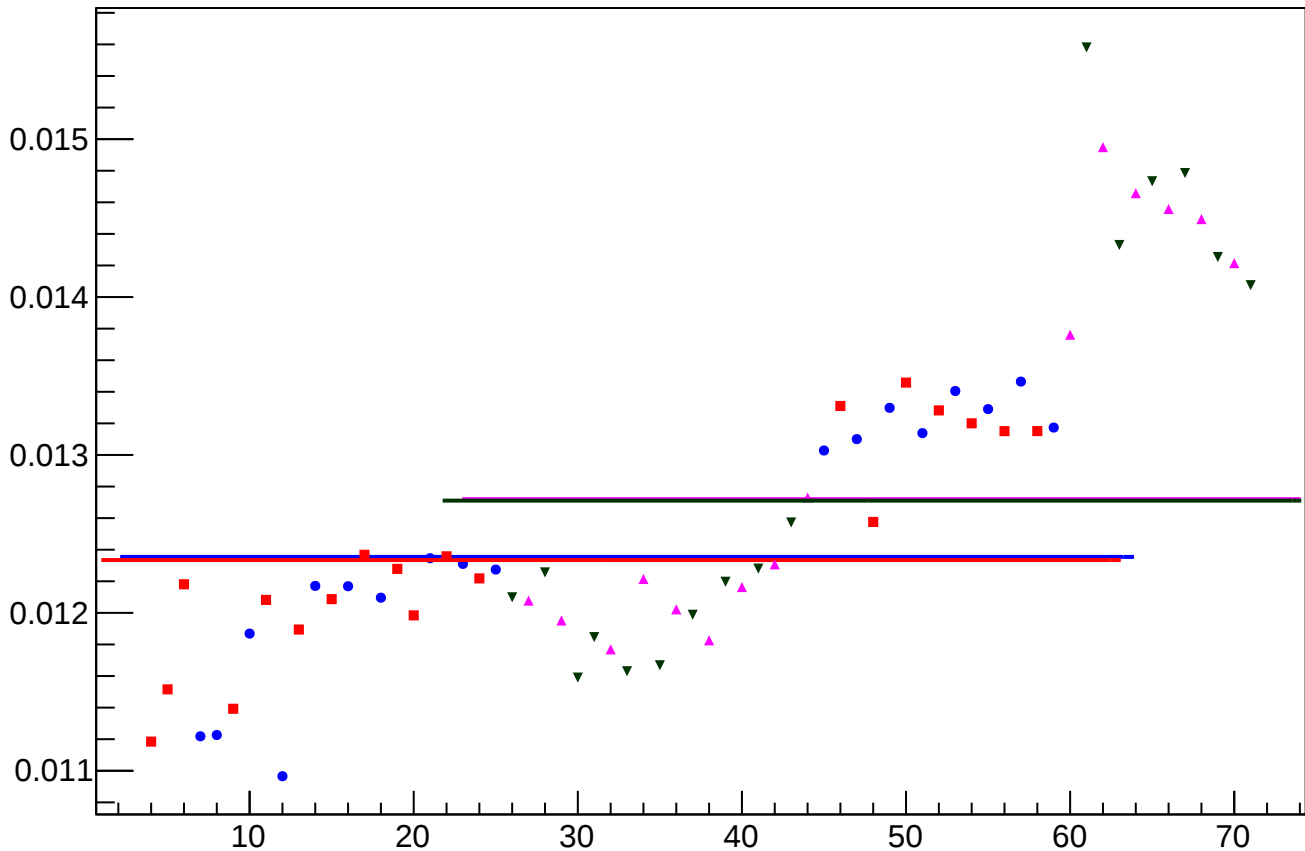
Right Out: -3.297+/-0.000 χ^2/NDF : 819050975647.4/18

Left In: -3.398+/-0.000 χ^2/NDF : 608903373265.3/14

-3.083+/-0.000 χ^2/NDF : 1581654963032.8/33

-3.342+/-0.000 χ^2/NDF : 1428254256001.2/33

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 :145047.3/15

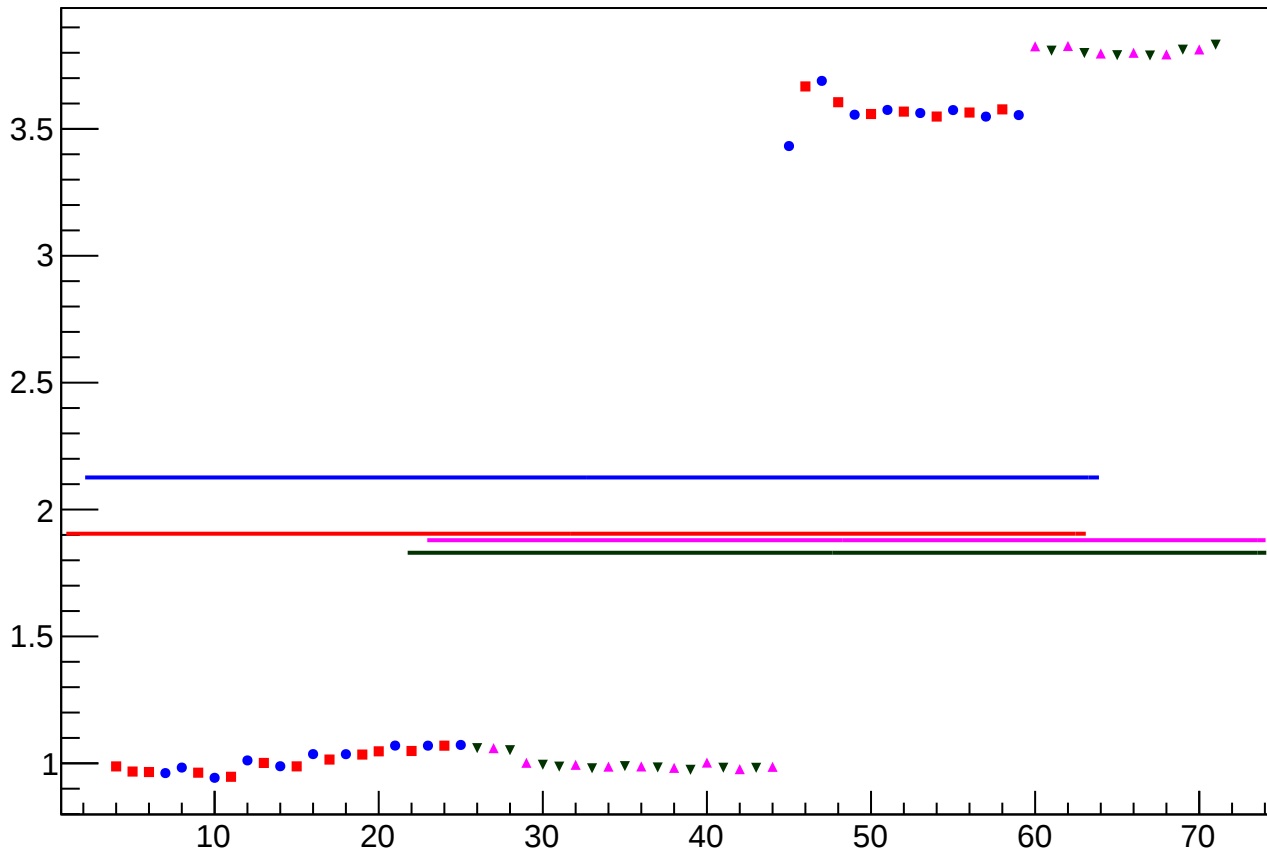
Right Out: 0.012+/-0.000 χ^2/NDF : 54886.5/18

Left In: 0.013+/-0.000 χ^2/NDF :126656.9/14

0.013+/-0.000 χ^2/NDF : 242539.8/33

0.013+/-0.000 χ^2/NDF : 190278.8/33

yield_bpm1i04X_mean vs slug



Right In: 2.126+/-0.000 χ^2/NDF : 292632575878.4/17

Left Out: 1.830+/-0.000 χ^2/NDF :221834155431.3/15

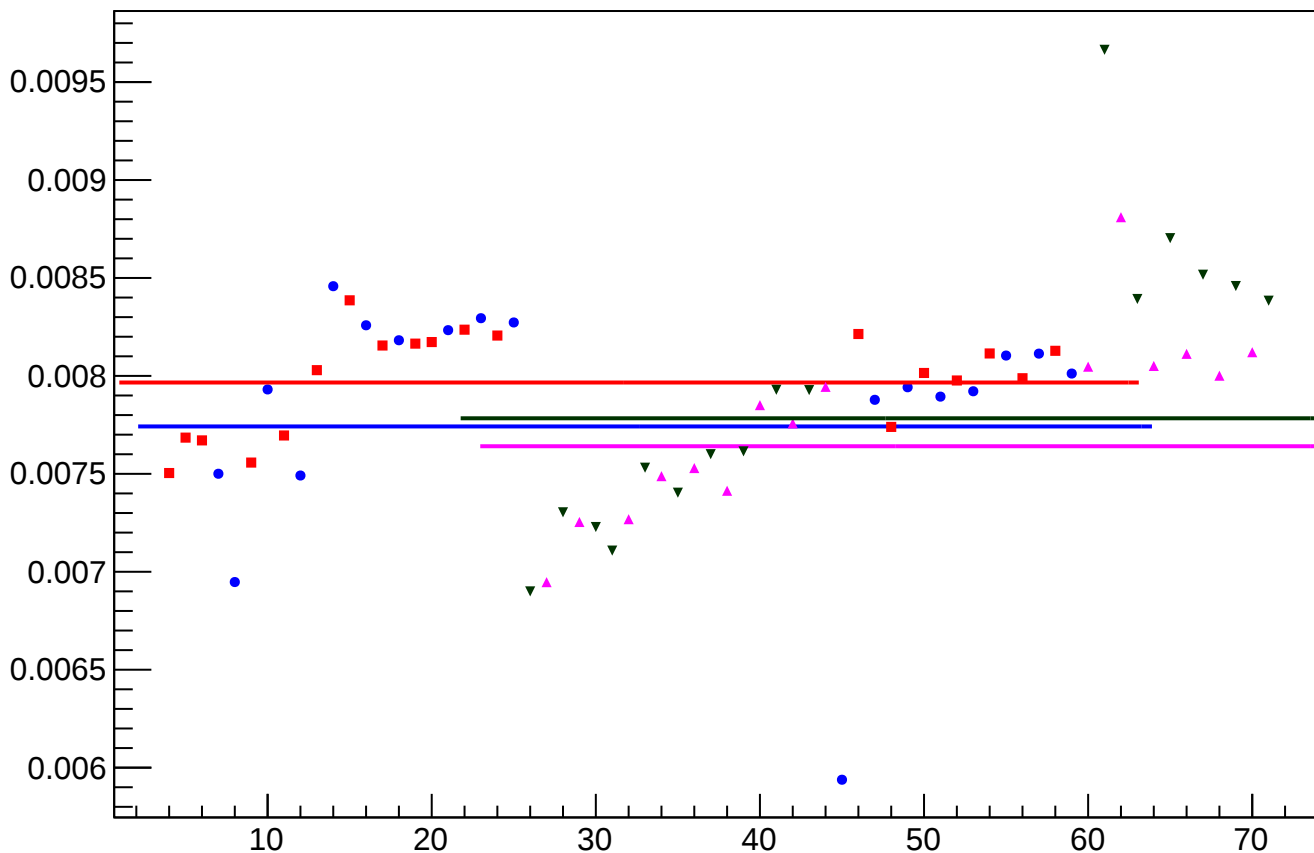
2.001+/-0.000 χ^2/NDF : 521341856232.3/33

Right Out: 1.905+/-0.000 χ^2/NDF : 236022966001.2/18

1.892+/-0.000 χ^2/NDF : 484918572948.3/33

Left In: 1.879+/-0.000 χ^2/NDF :248846083530.0/14

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 :106942.2/15

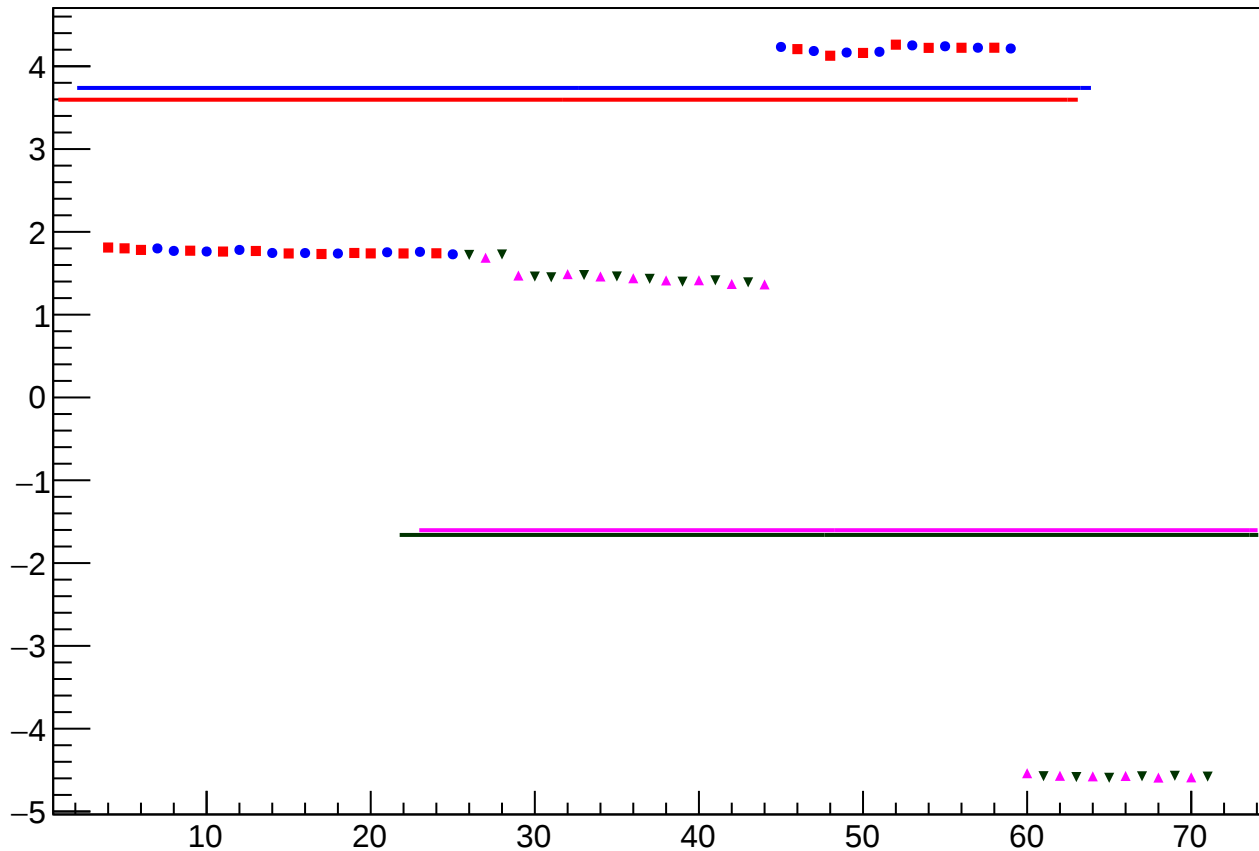
Right Out: 0.008+/-0.000 χ^2/NDF : 20073.5/18

Left In: 0.008+/-0.000 χ^2/NDF :60581.5/14

0.008+/-0.000 χ^2/NDF : 286119.8/33

0.008+/-0.000 χ^2/NDF : 96650.1/33

yield_bpm1i04Y_mean vs slug



Right In: 3.738+/-0.000 χ^2/NDF : 502669373965.6/17

Left Out: -1.660+/-0.000 χ^2/NDF : 2990558735640.7/15

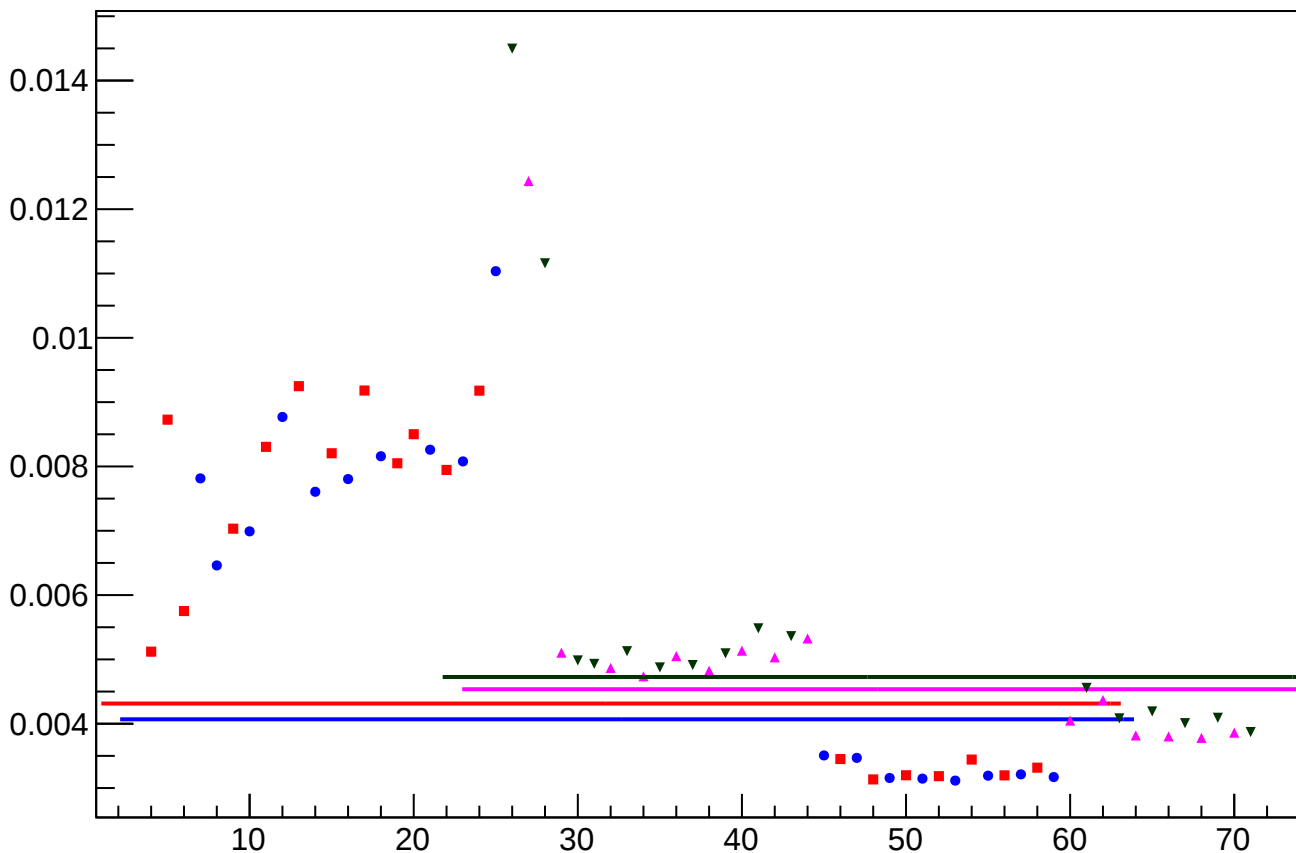
1.692+/-0.000 χ^2/NDF : 9453187571150.7/33

Right Out: 3.596+/-0.000 χ^2/NDF : 468031292414.6/18

1.126+/-0.000 χ^2/NDF : 9315371623179.7/33

Left In: -1.603+/-0.000 χ^2/NDF : 3445876041463.0/14

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 :1053159.0/15

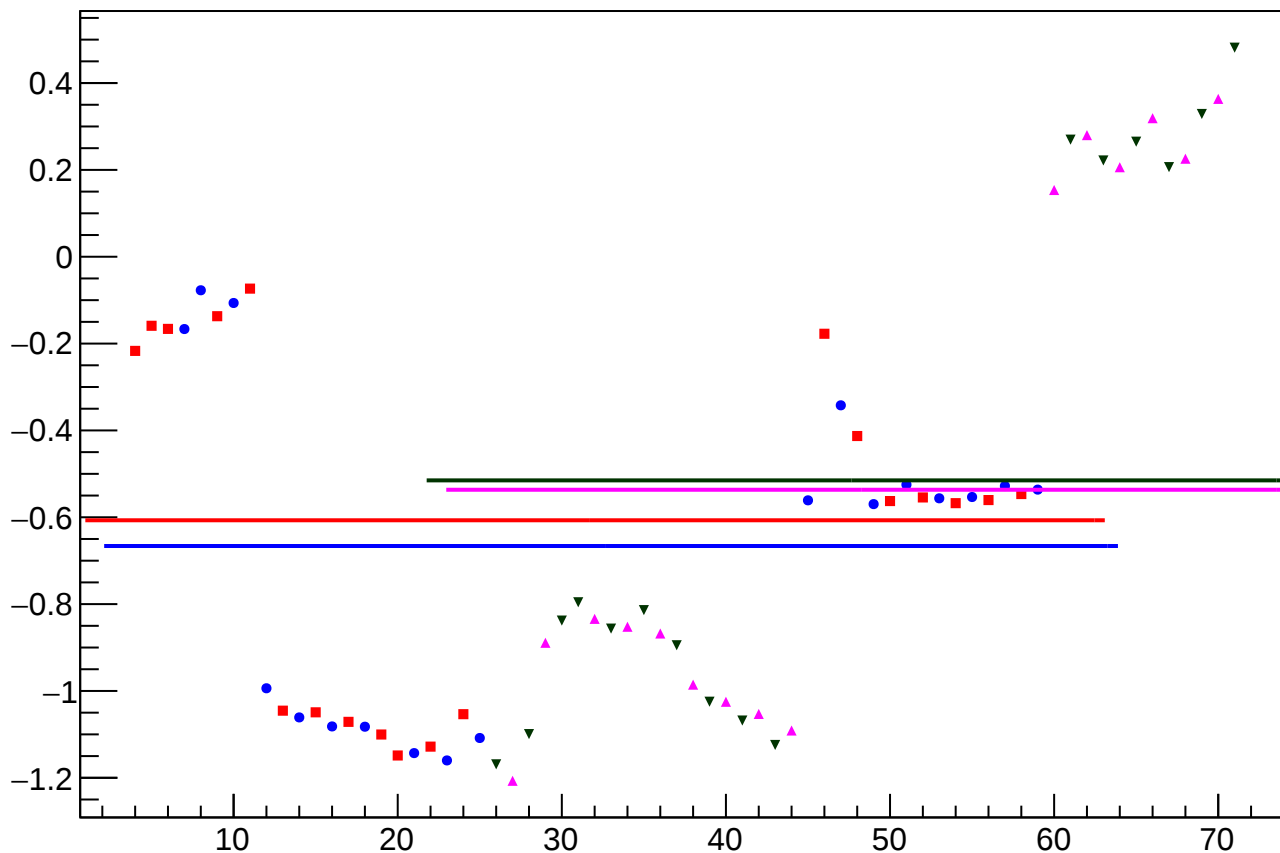
Right Out: 0.004+/-0.000 χ^2/NDF : 3241260.9/18

Left In: 0.005+/-0.000 χ^2/NDF :831156.3/14

0.004+/-0.000 χ^2/NDF : 4632080.1/33

0.004+/-0.000 χ^2/NDF : 4092180.9/33

yield_bpm0l01X_mean vs slug



Right In: -0.666 ± 0.000 χ^2/NDF : 19135534349.5/17

Left Out: -0.515 ± 0.000 χ^2/NDF : 37234816769.1/15

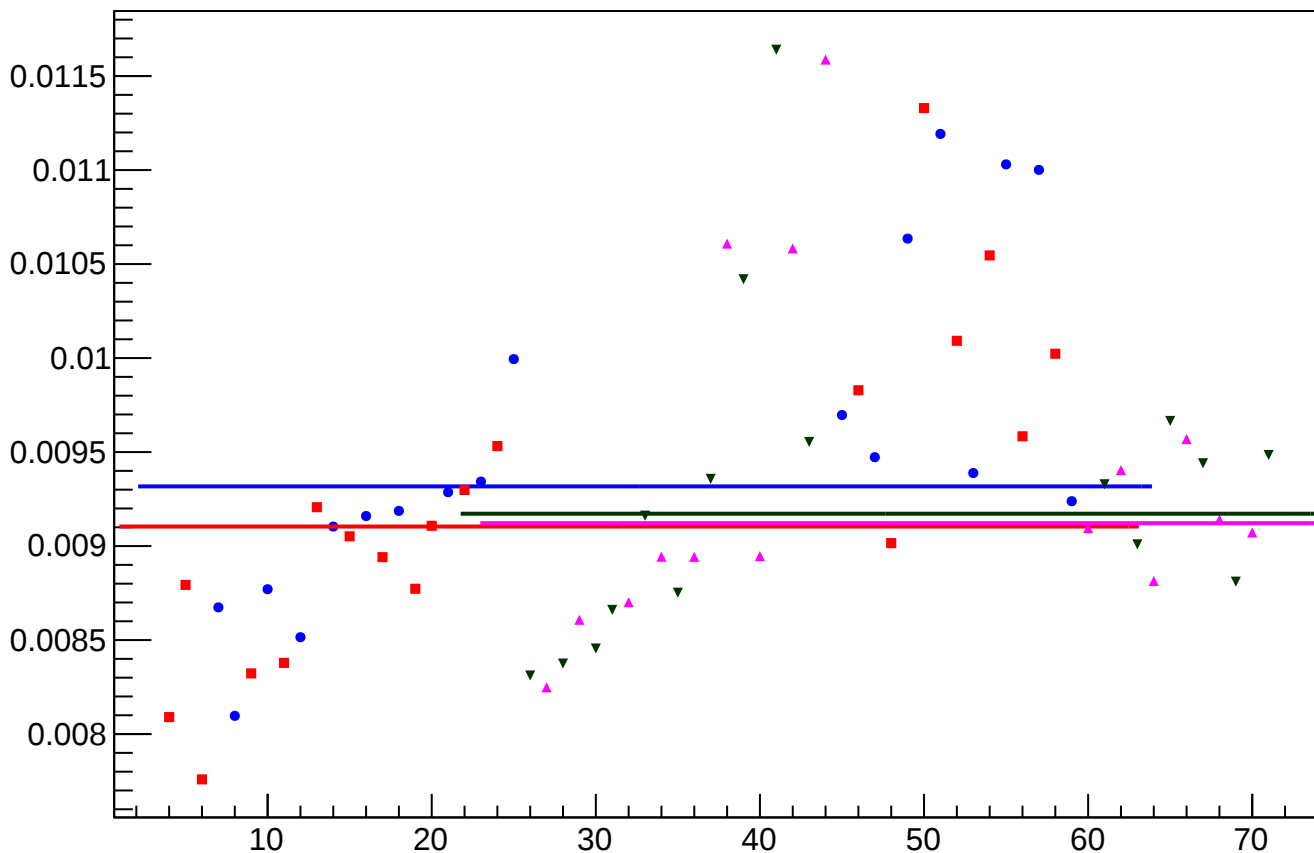
Right Out: -0.607 ± 0.000 χ^2/NDF : 19217252419.4/18

Left In: -0.537 ± 0.000 χ^2/NDF : 37034932296.1/14

-0.601 ± 0.000 χ^2/NDF : 57618358129.9/33

-0.574 ± 0.000 χ^2/NDF : 56522018318.9/33

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 :111371.9/15

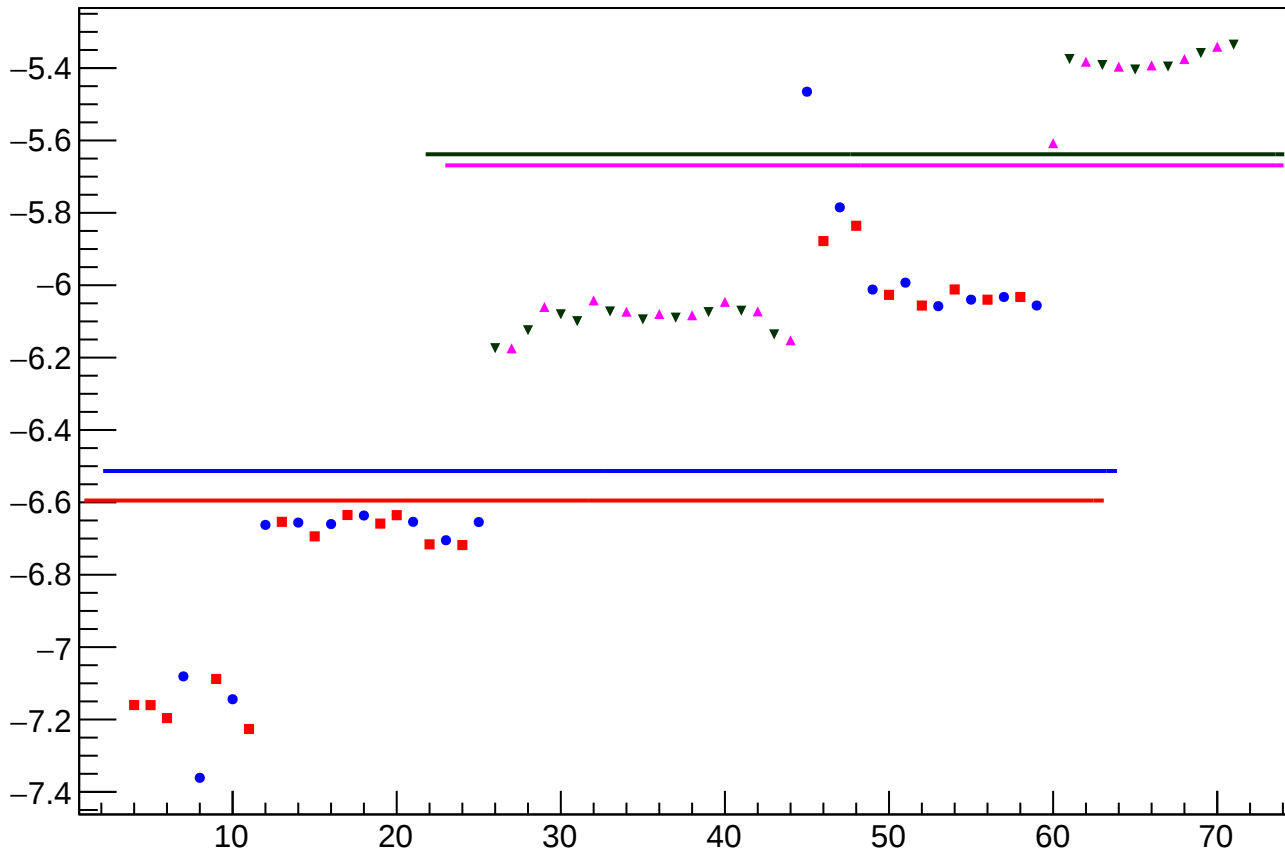
Right Out: 0.009+/-0.000 χ^2/NDF : 159092.9/18

Left In: 0.009+/-0.000 χ^2/NDF :120147.6/14

0.009+/-0.000 χ^2/NDF : 279449.2/33

0.009+/-0.000 χ^2/NDF : 279275.2/33

yield_bpm0l01Y_mean vs slug



Right In: -6.513+/-0.000 χ^2/NDF : 34103178286.6/17

Left Out: -5.638+/-0.000 χ^2/NDF : 18521314046.2/15

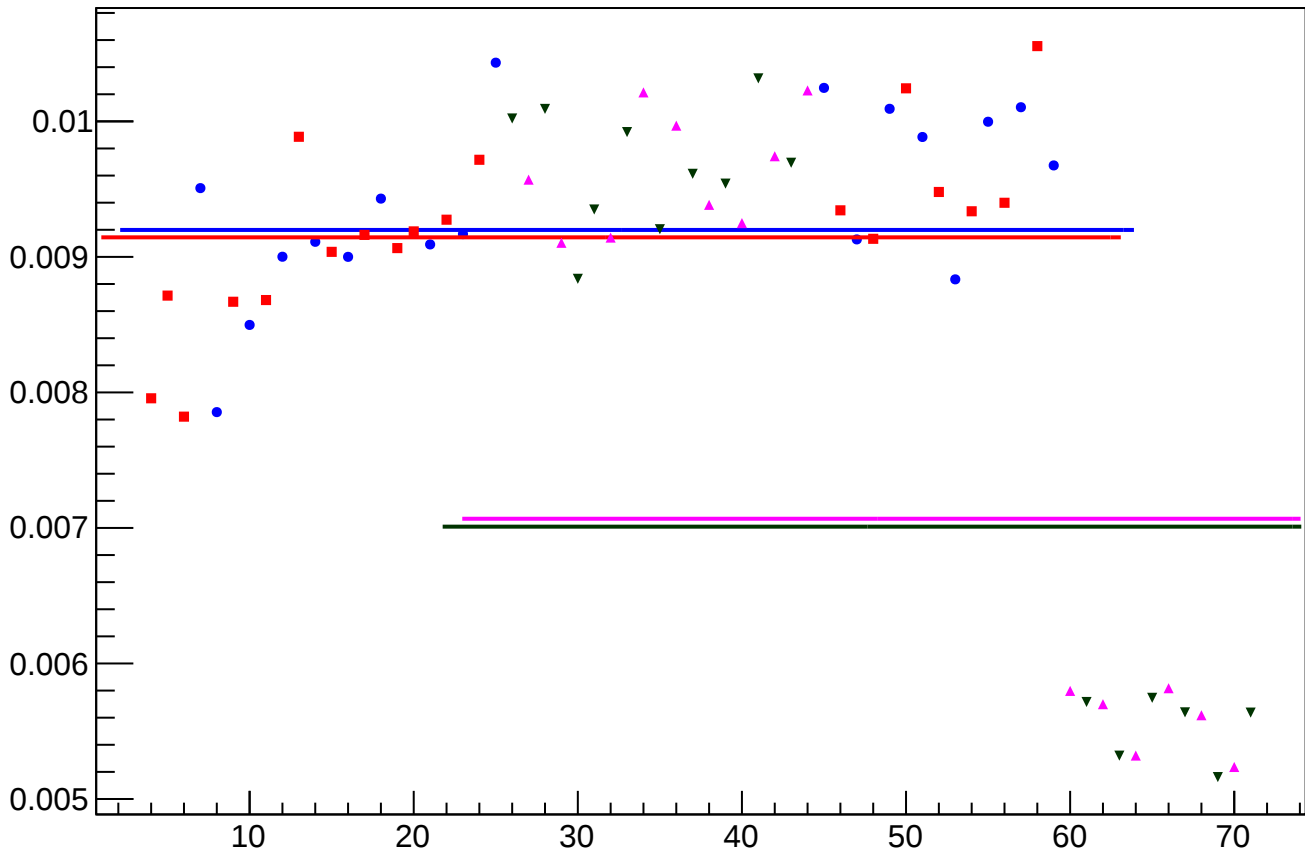
Right Out: -6.595+/-0.000 χ^2/NDF : 25777696502.6/18

Left In: -5.669+/-0.000 χ^2/NDF : 17774453958.3/14

-6.038+/-0.000 χ^2/NDF : 105852598253.0/33

-6.056+/-0.000 χ^2/NDF : 100366611752.1/33

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 :1223537.2/15

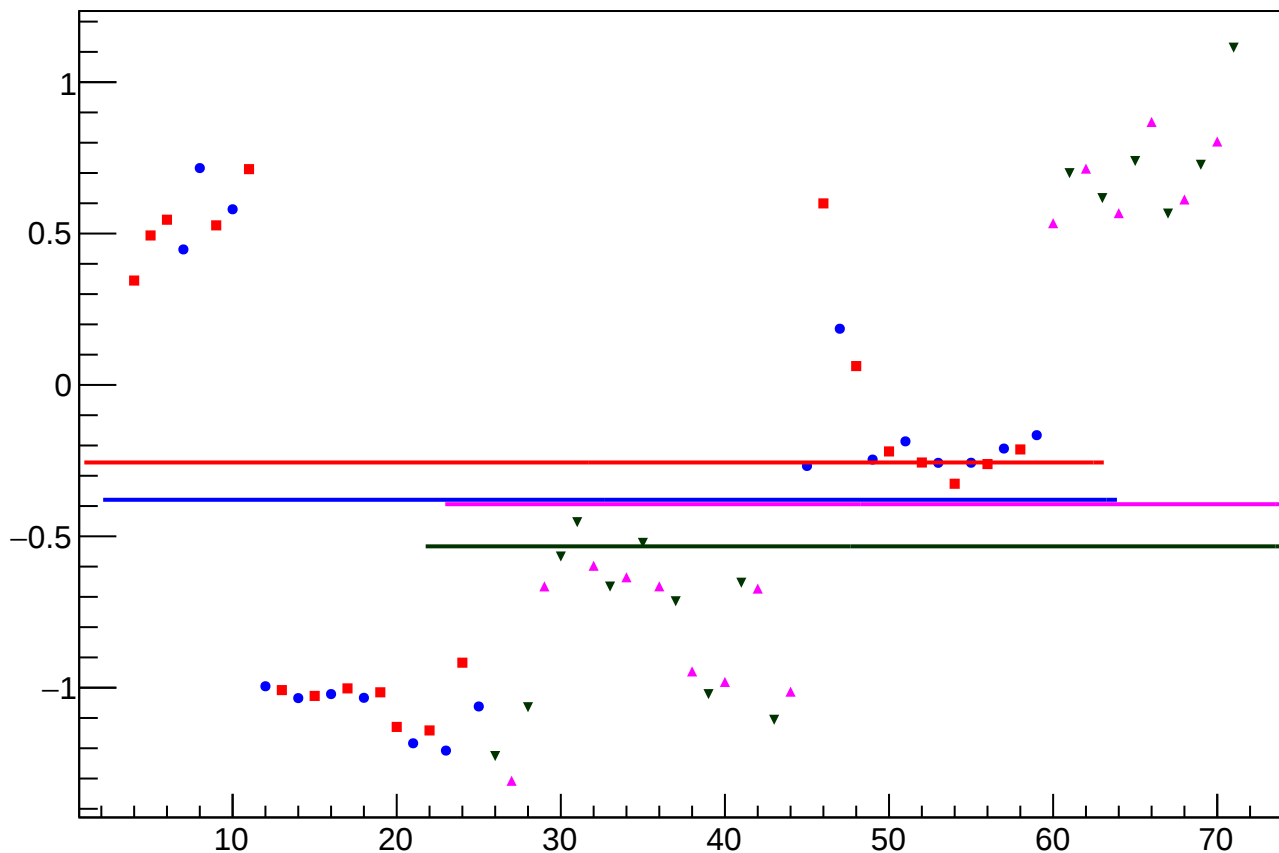
Right Out: 0.009+/-0.000 χ^2/NDF : 101222.8/18

Left In: 0.007+/-0.000 χ^2/NDF :1203326.0/14

0.008+/-0.000 χ^2/NDF : 2010401.8/33

0.008+/-0.000 χ^2/NDF : 1875783.6/33

yield_bpm0l02X_mean vs slug



Right In: -0.379+/-0.000 χ^2/NDF : 10136750548.1/17

Left Out: -0.533+/-0.000 χ^2/NDF : 21506237324.8/15

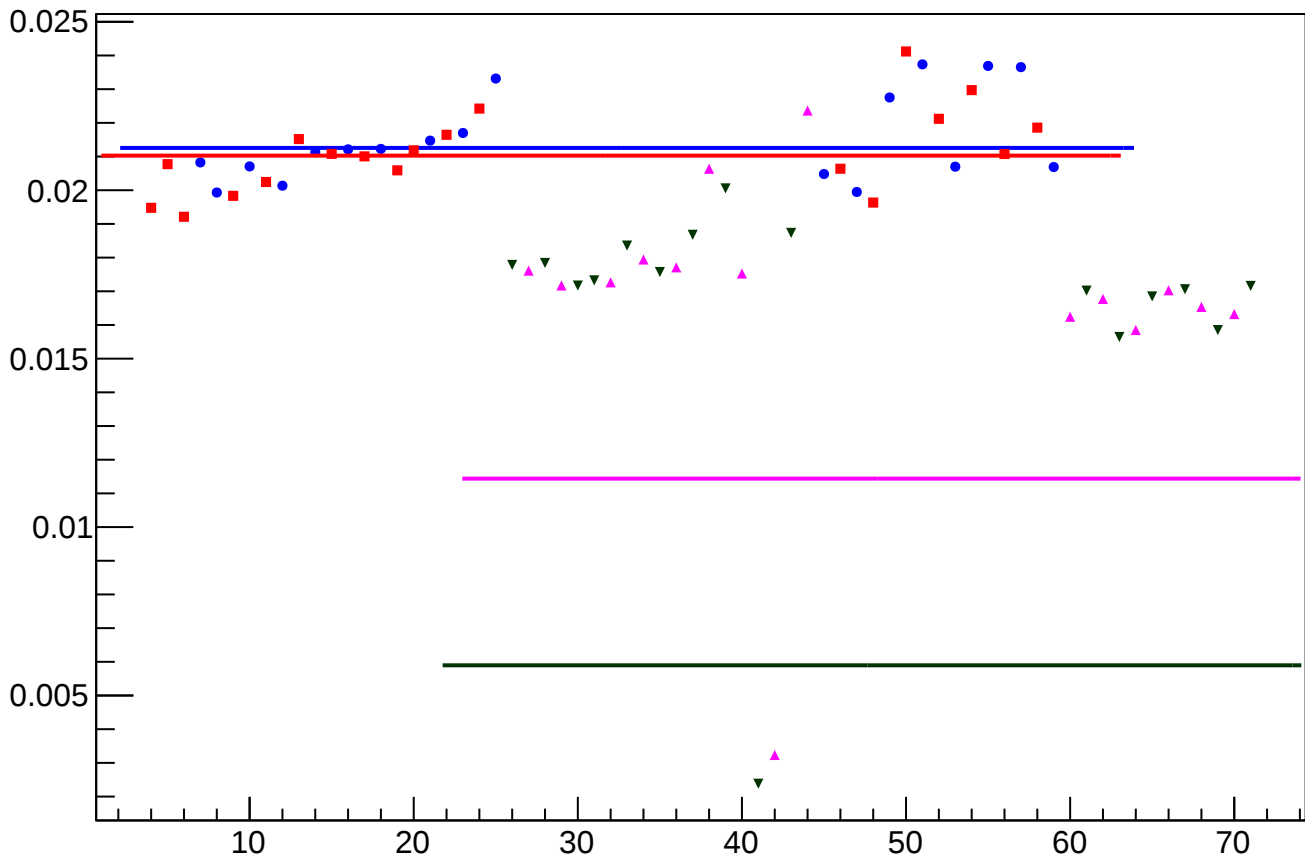
Right Out: -0.256+/-0.000 χ^2/NDF : 10103342122.6/18

Left In: -0.394+/-0.000 χ^2/NDF : 18830100529.0/14

-0.505+/-0.000 χ^2/NDF : 32113402117.0/33

-0.349+/-0.000 χ^2/NDF : 29216600212.7/33

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 : 8759636.0/15

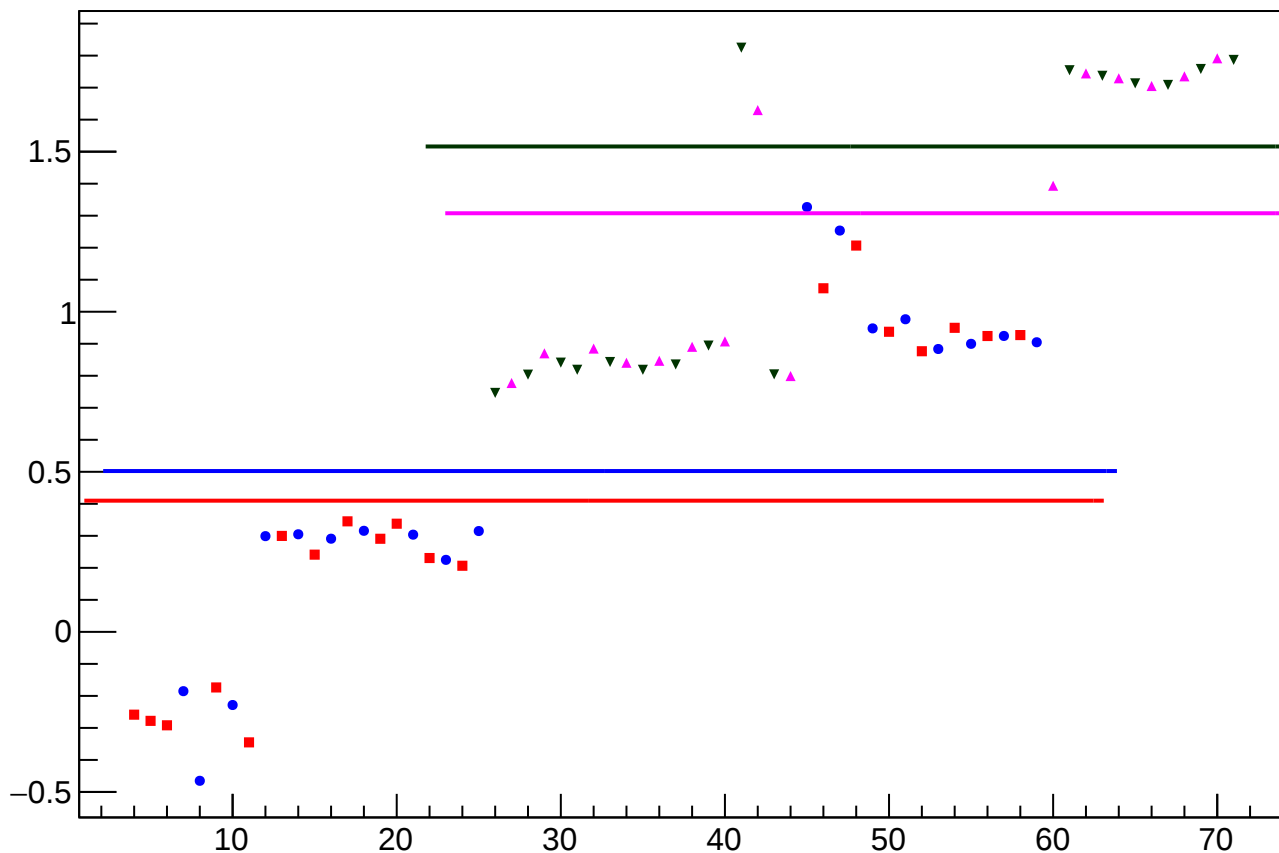
Right Out: 0.021+/-0.000 χ^2/NDF : 62886.6/18

Left In: 0.011+/-0.000 χ^2/NDF : 4575811.3/14

0.009+/-0.000 χ^2/NDF : 18205272.0/33

0.015+/-0.000 χ^2/NDF : 7379892.2/33

yield_bpm0l02Y_mean vs slug



Right In: 0.502 $\pm$ 0.000 χ^2 /NDF: 19155654908.3/17

Left Out: 1.516 $\pm$ 0.000 χ^2 /NDF:22460480359.2/15

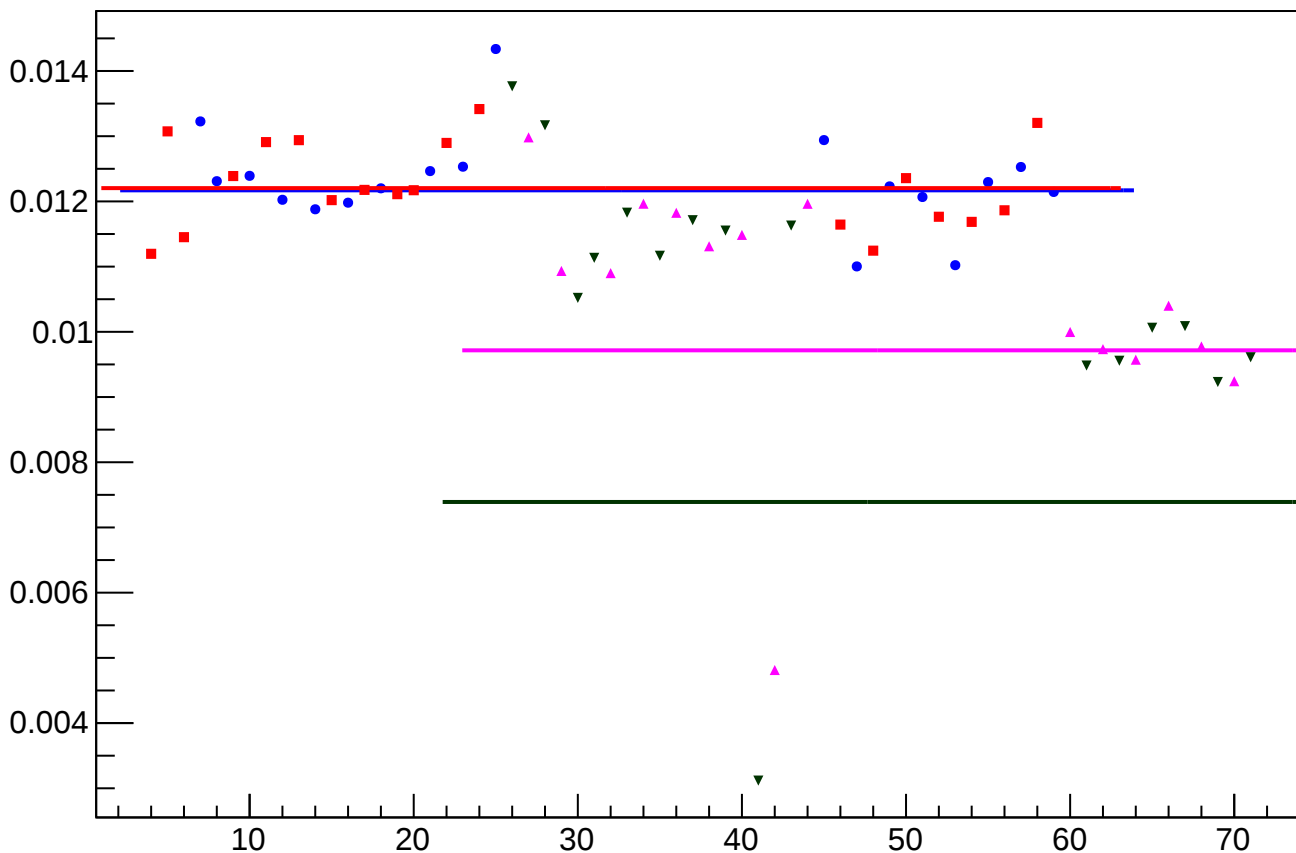
Right Out: 0.410 $\pm$ 0.000 χ^2 /NDF: 16439315084.0/18

Left In: 1.308 $\pm$ 0.000 χ^2 /NDF:14374715351.6/14

1.123 $\pm$ 0.000 χ^2 /NDF: 88104413466.8/33

0.917 $\pm$ 0.000 χ^2 /NDF: 60252700470.2/33

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:3511458.8/15

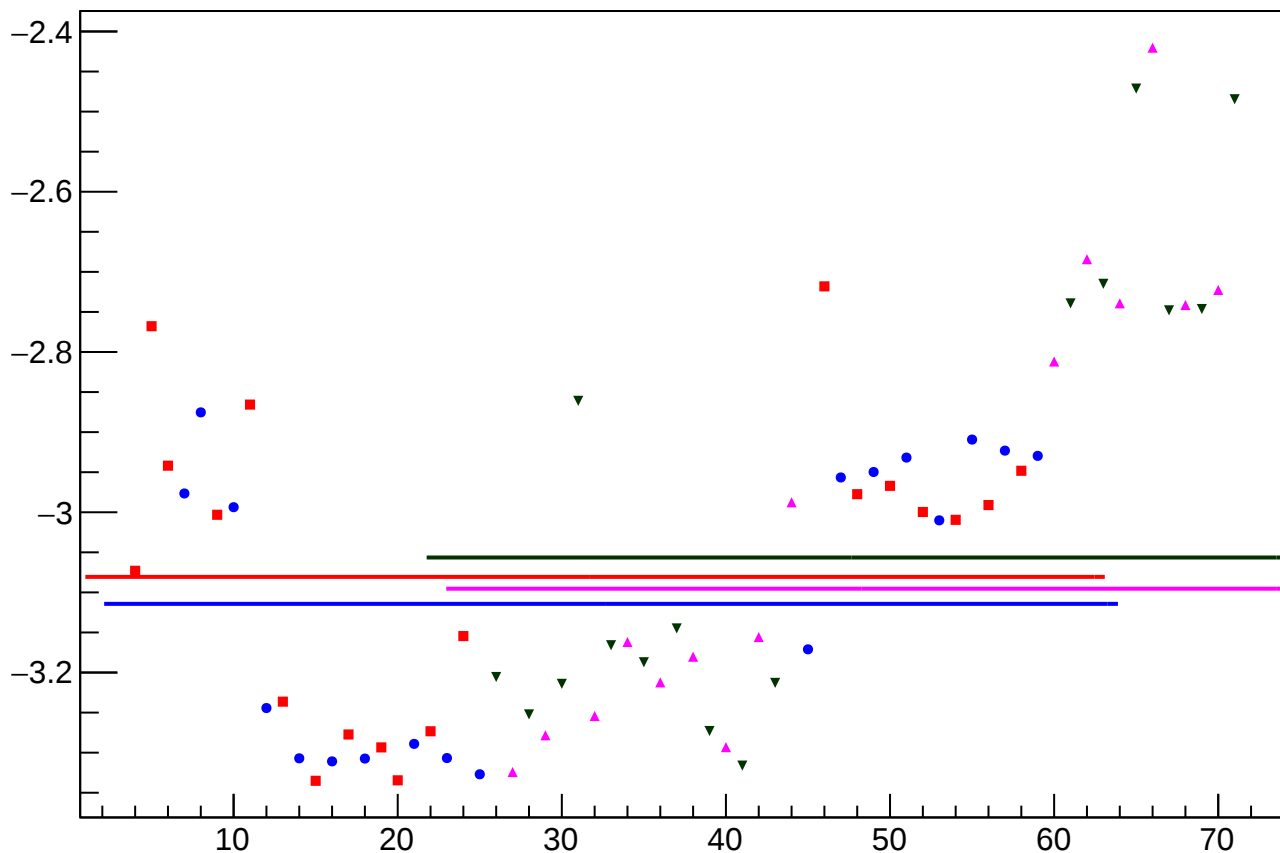
0.009 $\pm$ 0.000 χ^2 /NDF: 5623082.2/33

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 53181.0/18

0.011 $\pm$ 0.000 χ^2 /NDF: 1492751.9/33

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:987573.2/14

yield_bpm0l03X_mean vs slug



Right In: -3.114+/-0.000 χ^2/NDF : 4627659924.1/17

Left Out: -3.056+/-0.000 χ^2/NDF : 10185881932.3/15

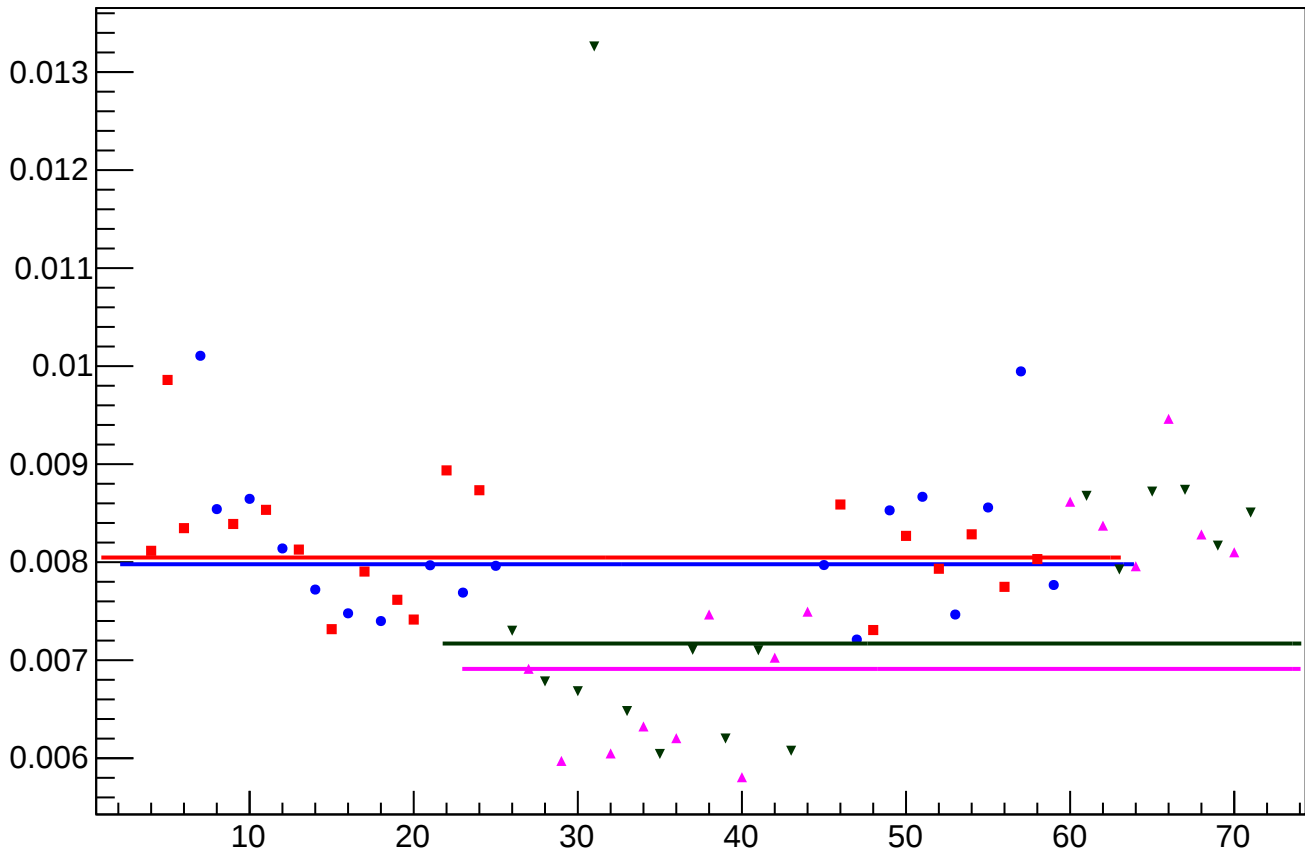
Right Out: -3.081+/-0.000 χ^2/NDF : 3839311184.0/18

Left In: -3.095+/-0.000 χ^2/NDF : 9925959764.1/14

-3.086+/-0.000 χ^2/NDF : 15055342989.0/33

-3.089+/-0.000 χ^2/NDF : 13780837093.3/33

yield_bpm0l03X_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 95241.7/17

Left Out: 0.007+/-0.000 χ^2/NDF : 355707.2/15

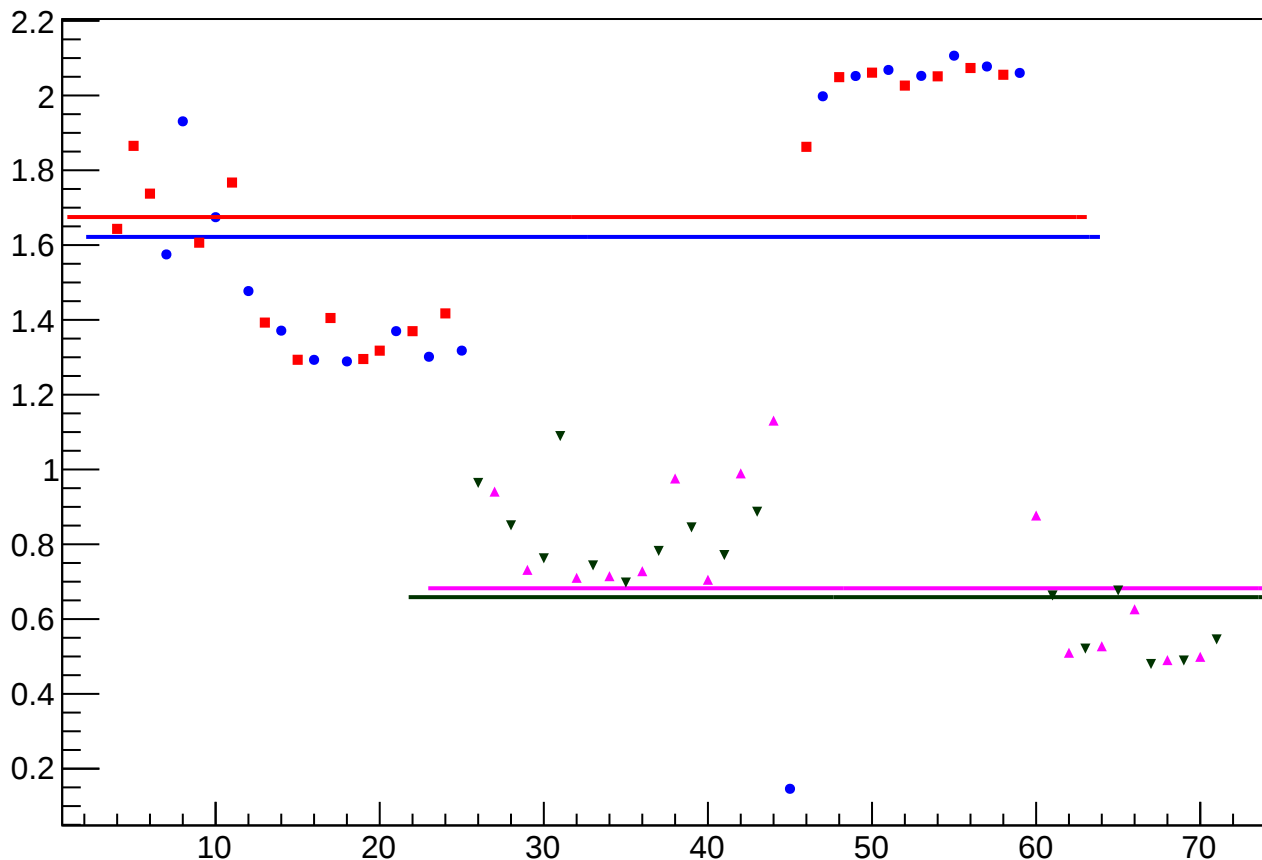
Right Out: 0.008+/-0.000 χ^2/NDF : 57509.8/18

Left In: 0.007+/-0.000 χ^2/NDF : 331190.2/14

0.008+/-0.000 χ^2/NDF : 545530.8/33

0.007+/-0.000 χ^2/NDF : 573079.6/33

yield_bpm0l03Y_mean vs slug



Right In: 1.622 ± 0.000 χ^2/NDF : 26006902897.9/17

Left Out: 0.659 ± 0.000 χ^2/NDF : 2919700409.5/15

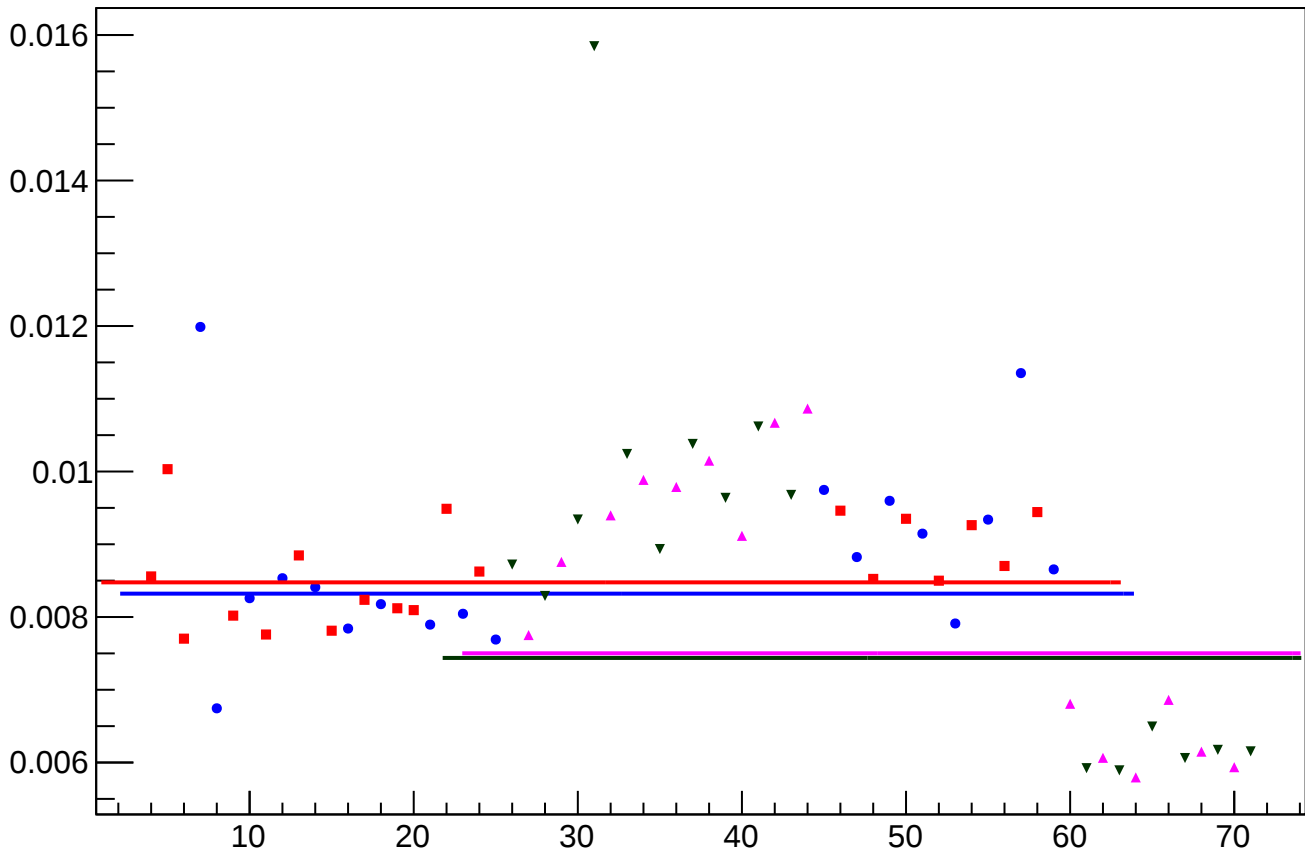
Right Out: 1.675 ± 0.000 χ^2/NDF : 9809193440.2/18

Left In: 0.682 ± 0.000 χ^2/NDF : 4323153141.0/14

1.162 ± 0.000 χ^2/NDF : 88743940466.4/33

1.143 ± 0.000 χ^2/NDF : 74184568639.5/33

yield_bpm0l03Y_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 231289.2/17

Left Out: 0.007+/-0.000 χ^2/NDF :843931.3/15

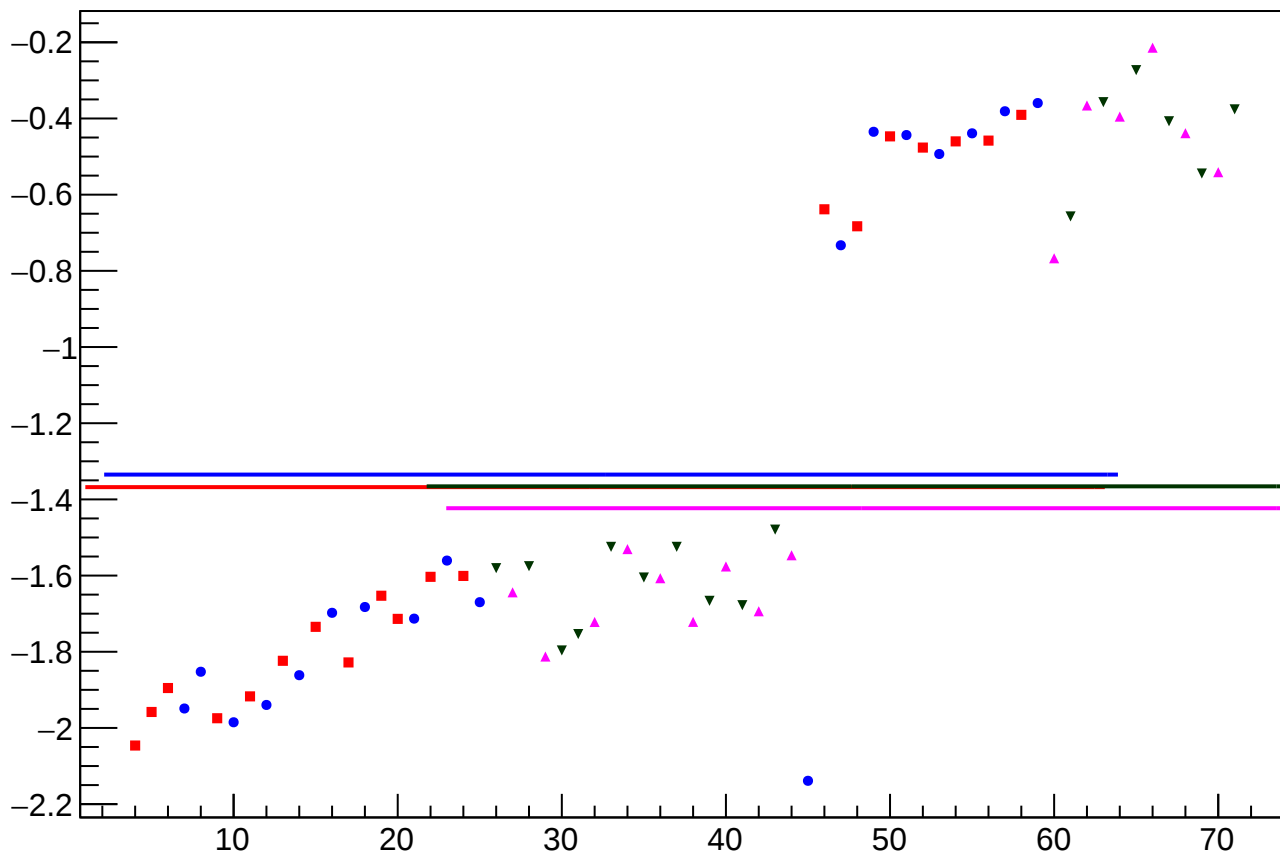
Right Out: 0.008+/-0.000 χ^2/NDF : 80155.6/18

Left In: 0.008+/-0.000 χ^2/NDF :708759.6/14

0.008+/-0.000 χ^2/NDF : 1175934.9/33

0.008+/-0.000 χ^2/NDF : 904807.2/33

yield_bpm0l04X_mean vs slug



Right In: -1.335+/-0.000 χ^2/NDF : 38397269291.9/17

Left Out: -1.366+/-0.000 χ^2/NDF : 11185444454.2/15

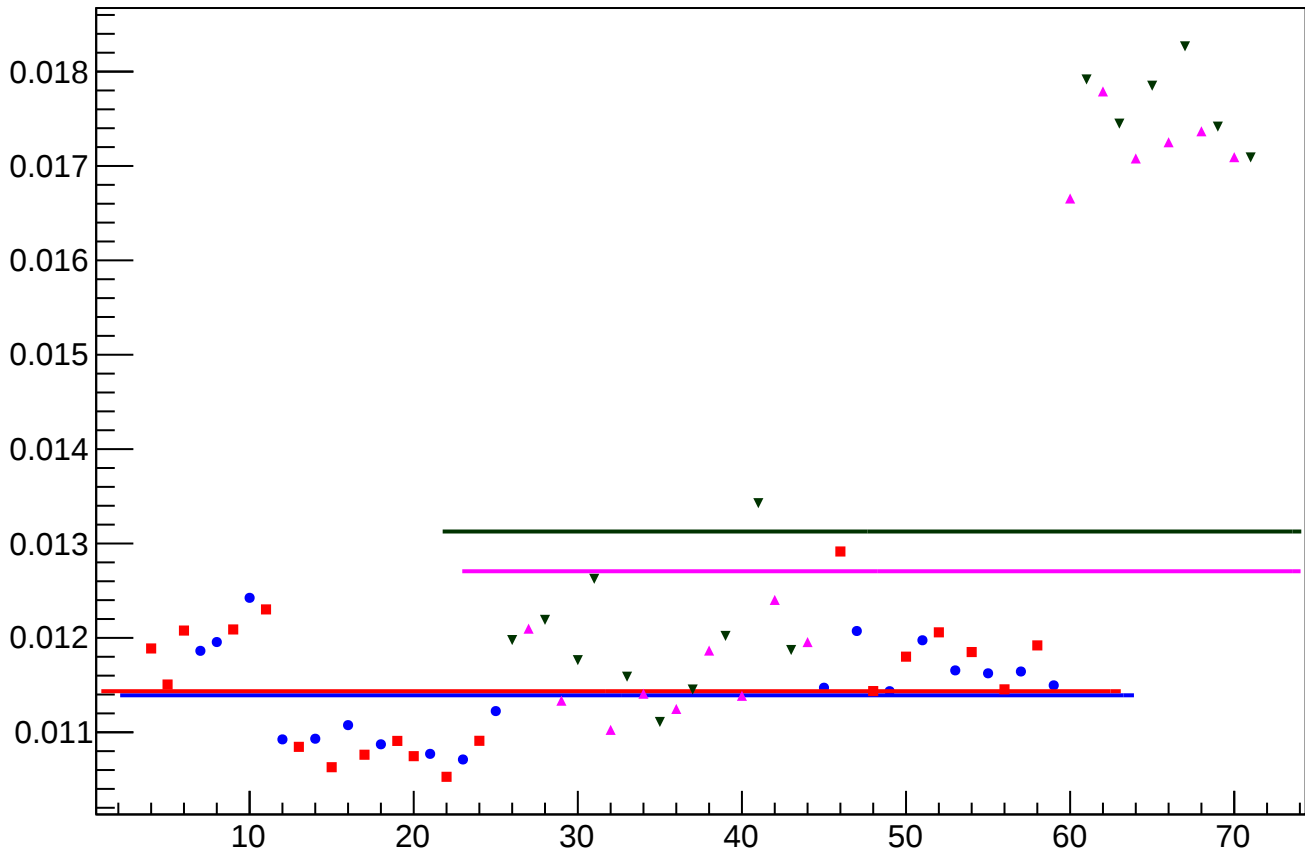
Right Out: -1.368+/-0.000 χ^2/NDF : 29057521992.7/18

Left In: -1.423+/-0.000 χ^2/NDF : 12895038359.4/14

-1.346+/-0.000 χ^2/NDF : 49611323021.7/33

-1.391+/-0.000 χ^2/NDF : 42046698625.9/33

yield_bpm0l04X_rms vs slug



Right In: 0.011 $\pm$ 0.000 χ^2/NDF : 41989.4/17

Left Out: 0.013 $\pm$ 0.000 χ^2/NDF : 522286.2/15

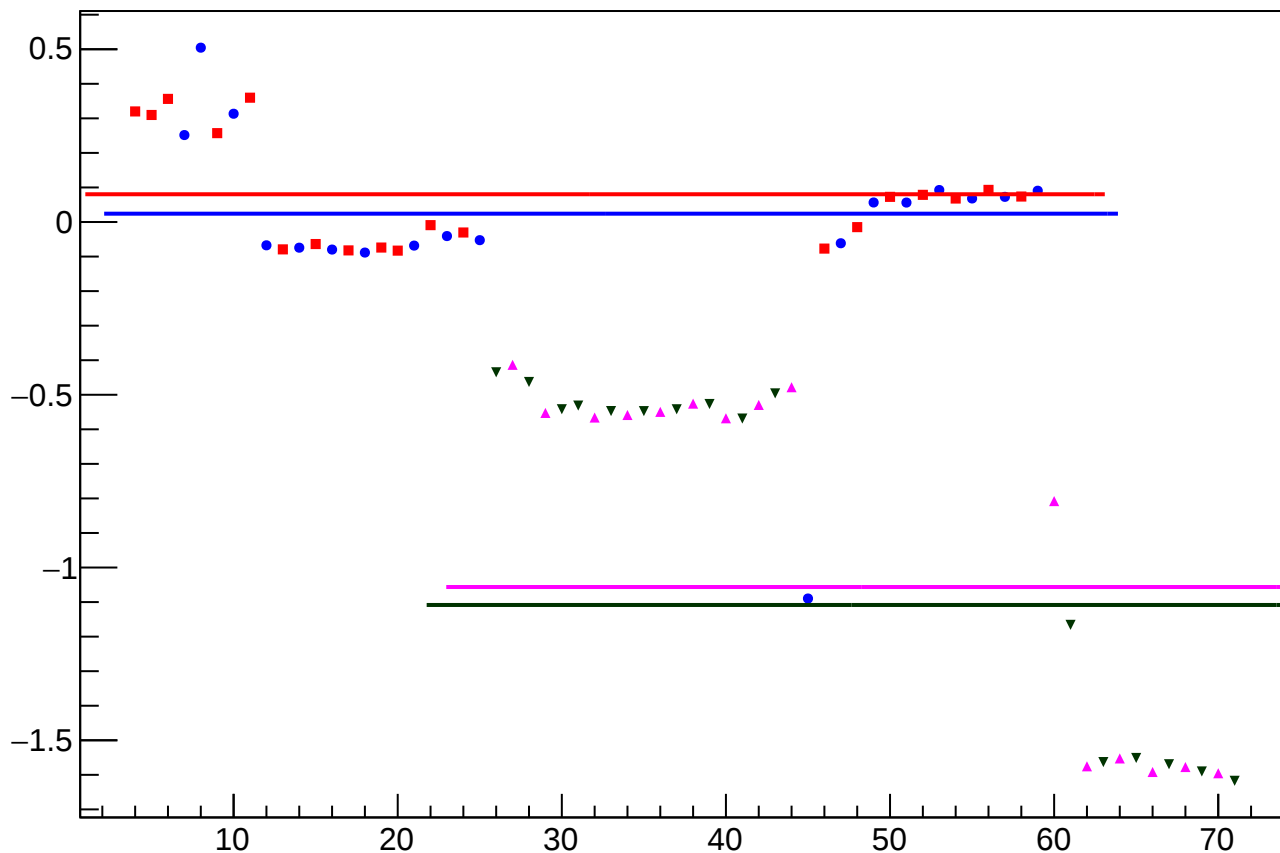
Right Out: 0.011 $\pm$ 0.000 χ^2/NDF : 65676.1/18

Left In: 0.013 $\pm$ 0.000 χ^2/NDF : 545705.8/14

0.012 $\pm$ 0.000 χ^2/NDF : 745074.0/33

0.012 $\pm$ 0.000 χ^2/NDF : 710609.4/33

yield_bpm0l04Y_mean vs slug



Right In: 0.024+/-0.000 χ^2/NDF : 18234538167.9/17

Left Out: -1.108+/-0.000 χ^2/NDF : 49263142429.9/15

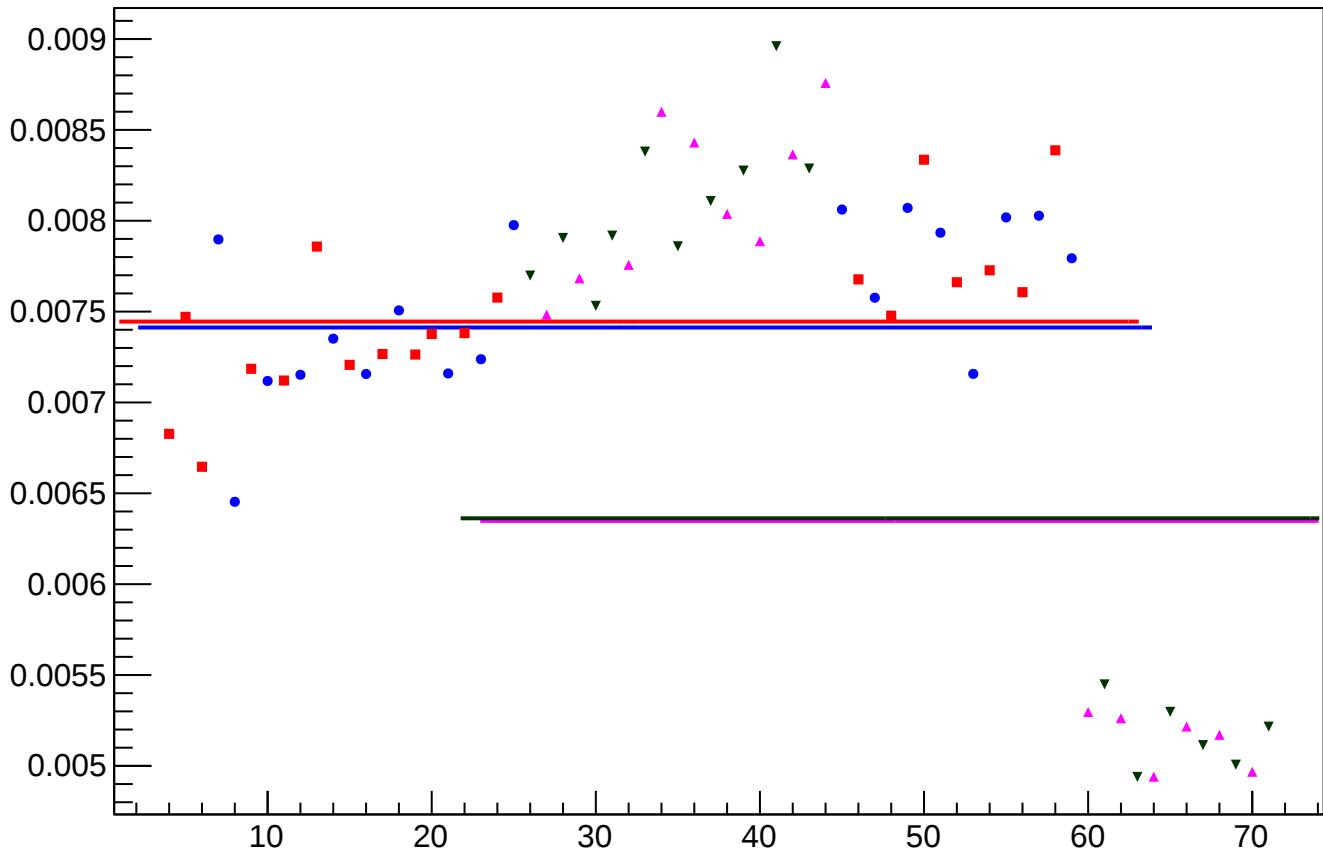
Right Out: 0.080+/-0.000 χ^2/NDF : 4561023053.2/18

Left In: -1.056+/-0.000 χ^2/NDF : 52501885177.4/14

-0.530+/-0.000 χ^2/NDF : 191855942577.8/33

-0.533+/-0.000 χ^2/NDF : 177413511880.2/33

yield_bpm0l04Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 91120.7/17

Left Out: 0.006+/-0.000 χ^2/NDF : 813196.5/15

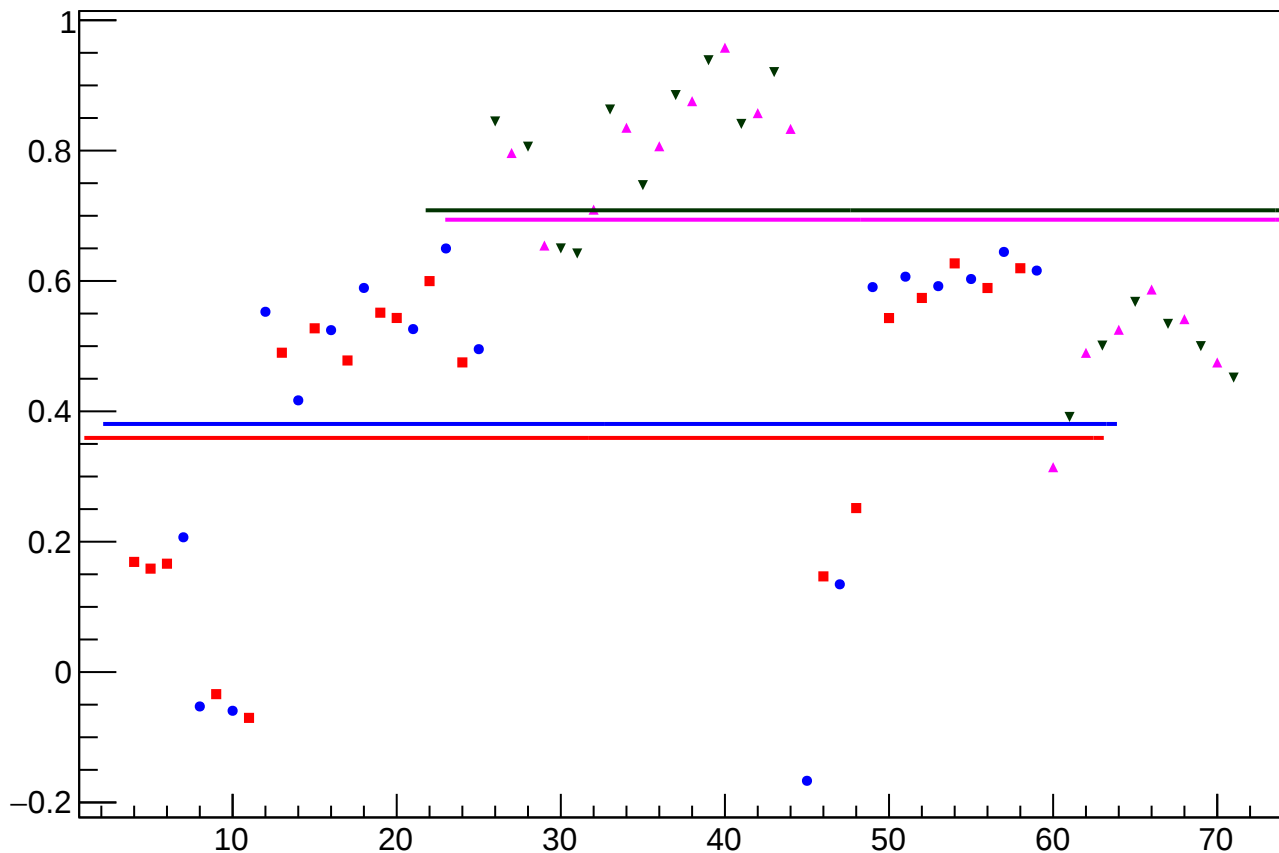
Right Out: 0.007+/-0.000 χ^2/NDF : 61122.7/18

Left In: 0.006+/-0.000 χ^2/NDF : 837291.1/14

0.007+/-0.000 χ^2/NDF : 1118169.1/33

0.007+/-0.000 χ^2/NDF : 1122587.7/33

yield_bpm0l05X_mean vs slug



Right In: 0.381+/-0.000 χ^2/NDF : 17766233664.3/17

Left Out: 0.708+/-0.000 χ^2/NDF : 4760260936.3/15

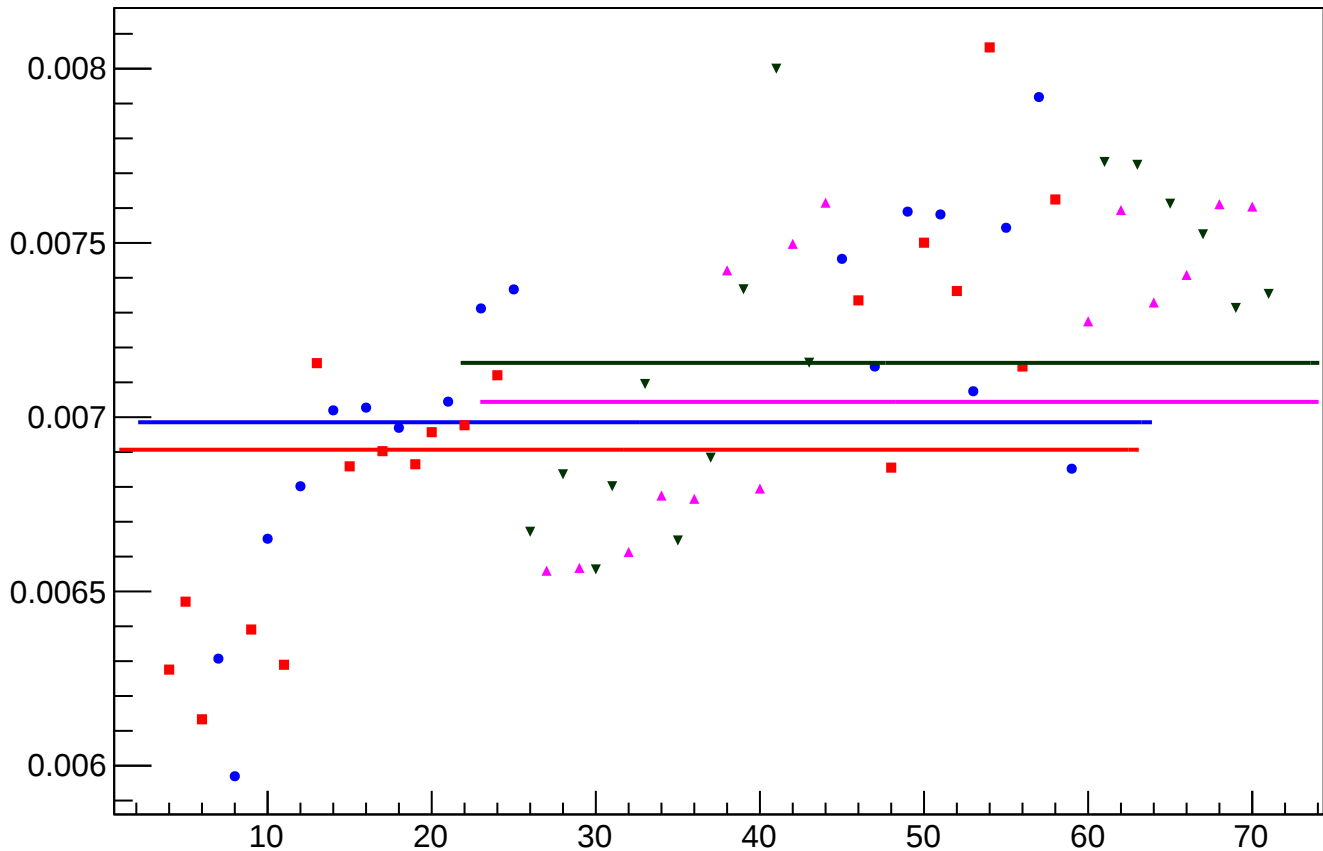
Right Out: 0.359+/-0.000 χ^2/NDF : 11904326957.3/18

Left In: 0.694+/-0.000 χ^2/NDF : 4835849418.8/14

0.517+/-0.000 χ^2/NDF : 32557942211.6/33

0.514+/-0.000 χ^2/NDF : 27205126791.6/33

yield_bpm0l05X_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 107156.0/17

Left Out: 0.007+/-0.000 χ^2/NDF : 57490.2/15

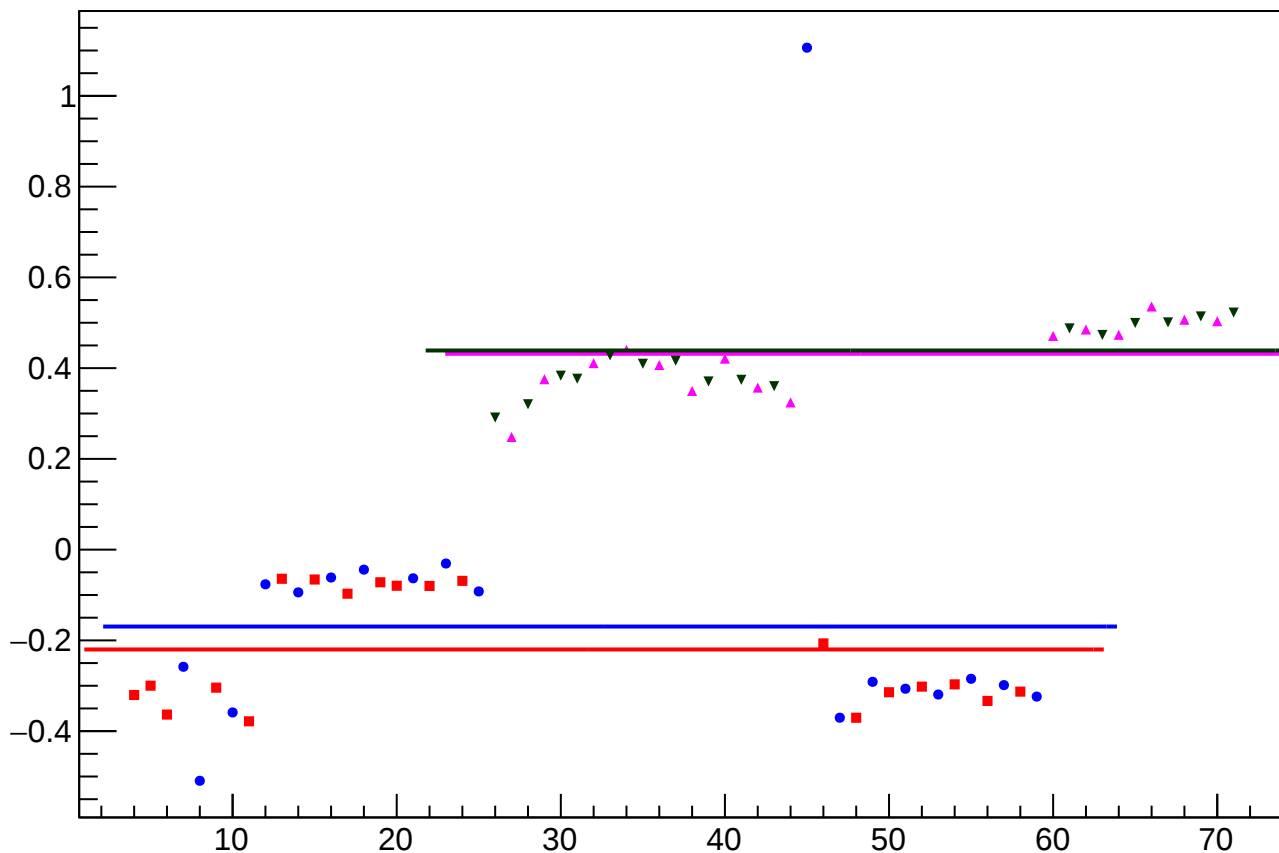
Right Out: 0.007+/-0.000 χ^2/NDF : 97555.6/18

Left In: 0.007+/-0.000 χ^2/NDF : 63350.6/14

0.007+/-0.000 χ^2/NDF : 170069.1/33

0.007+/-0.000 χ^2/NDF : 164424.3/33

yield_bpm0l05Y_mean vs slug



Right In: -0.169+/-0.000 χ^2/NDF : 37135565875.9/17

Left Out: 0.439+/-0.000 χ^2/NDF :1652717637.9/15

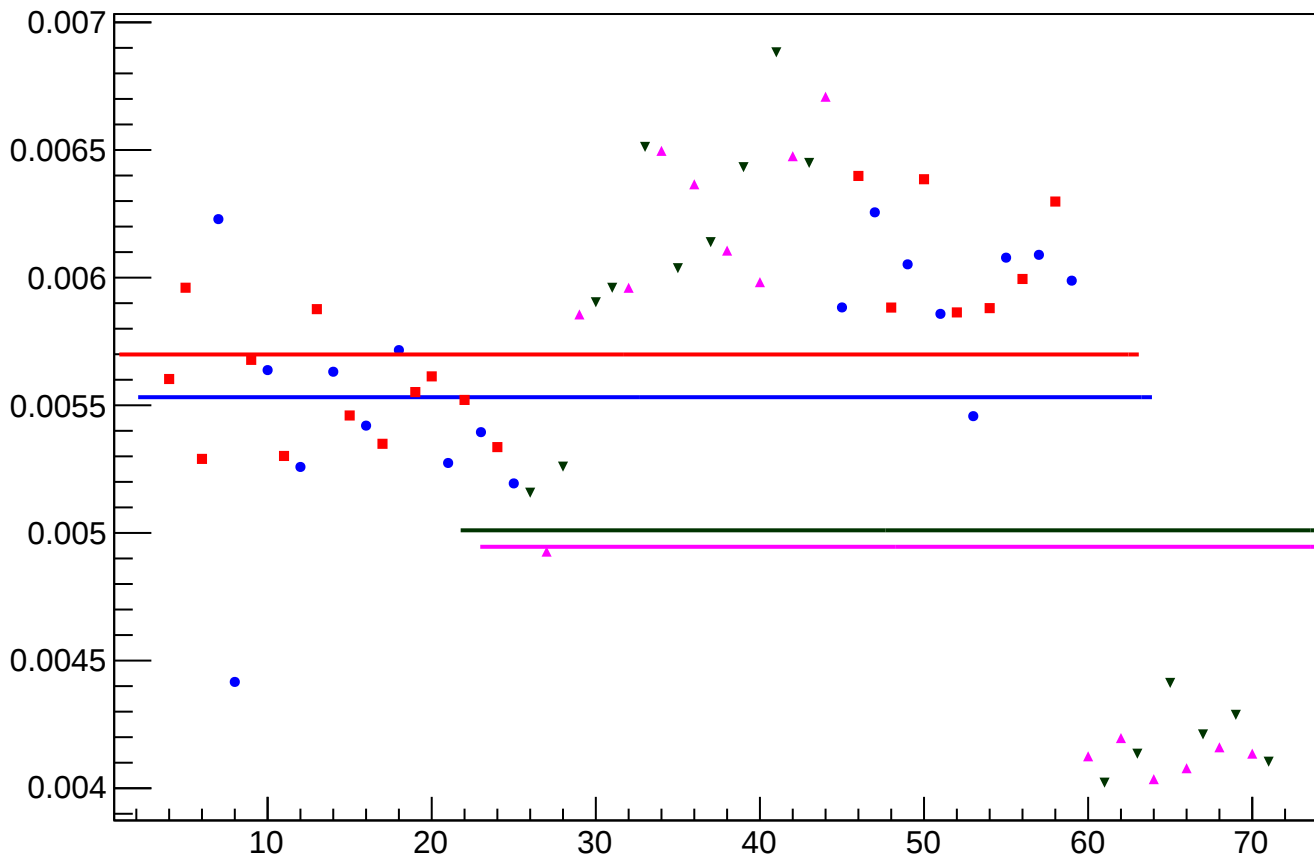
Right Out: -0.220+/-0.000 χ^2/NDF : 4721801975.9/18

Left In: 0.432+/-0.000 χ^2/NDF :2349627737.0/14

0.114+/-0.000 χ^2/NDF : 99579215195.5/33

0.128+/-0.000 χ^2/NDF : 73421628762.7/33

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 : 578877.5/15

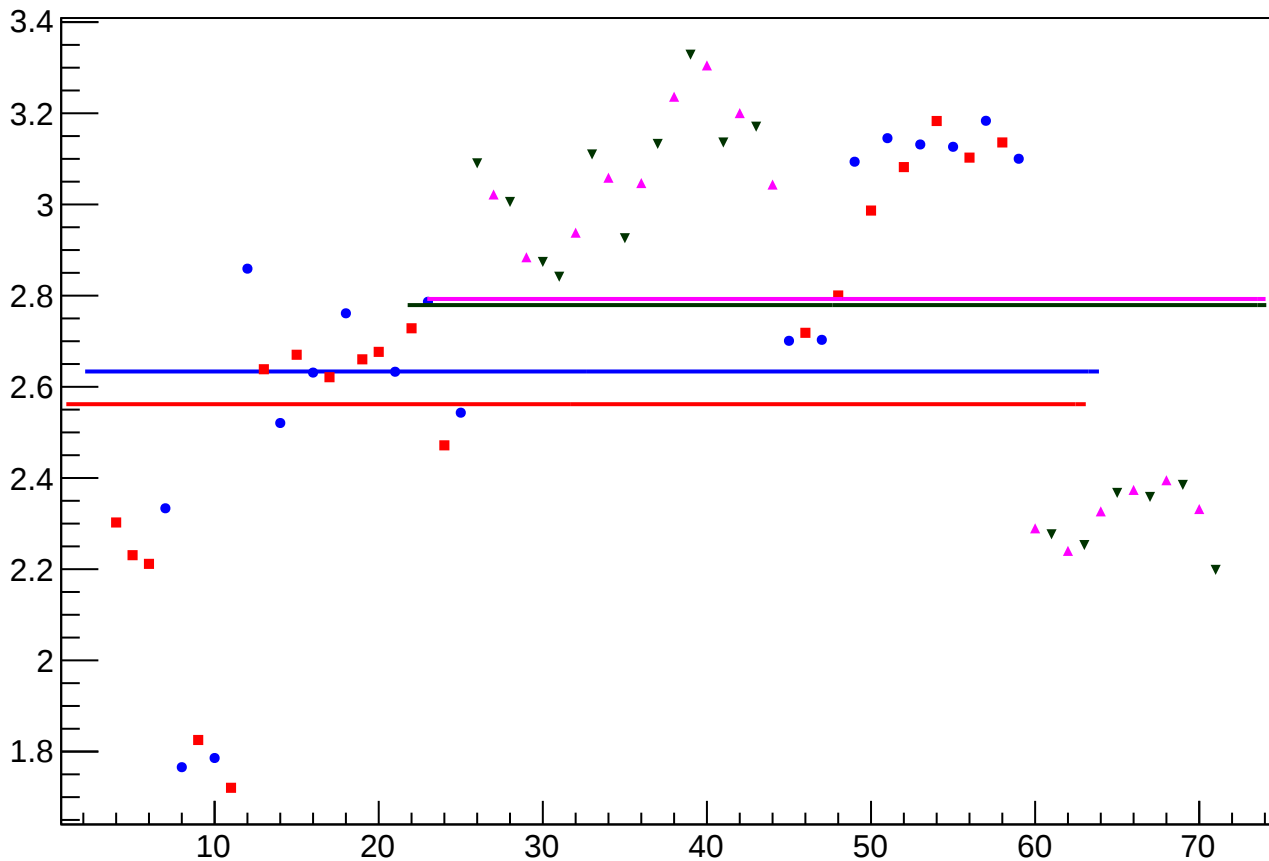
Right Out: 0.006+/-0.000 χ^2/NDF : 66415.4/18

Left In: 0.005+/-0.000 χ^2/NDF : 631031.3/14

0.005+/-0.000 χ^2/NDF : 855182.2/33

0.005+/-0.000 χ^2/NDF : 874792.3/33

yield_bpm0l06X_mean vs slug



Right In: 2.634 $\pm$ 0.000 χ^2 /NDF: 15879791998.3/17

Left Out: 2.779 $\pm$ 0.000 χ^2 /NDF:12736751460.7/15

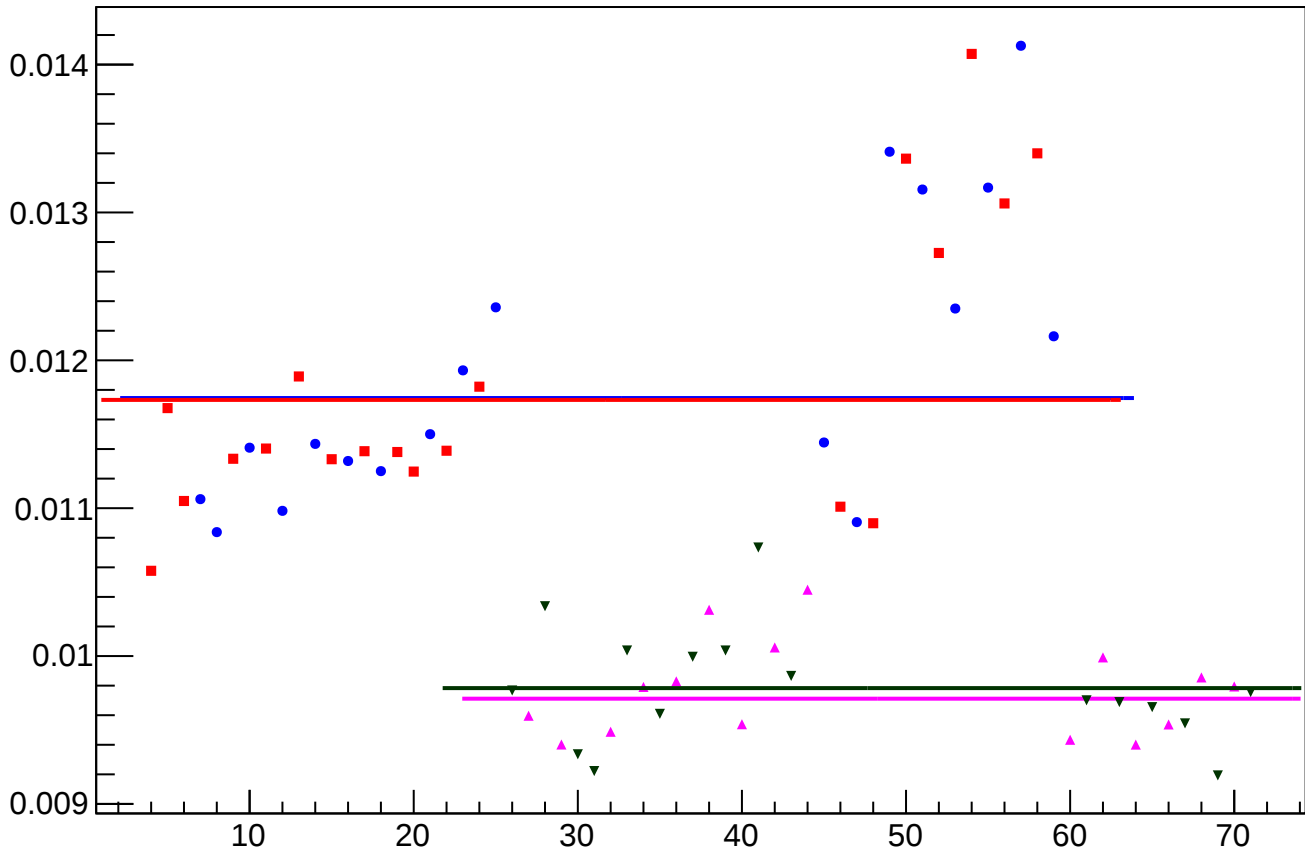
2.709 $\pm$ 0.000 χ^2 /NDF: 29490406117.4/33

Right Out: 2.562 $\pm$ 0.000 χ^2 /NDF: 12349960173.0/18

2.692 $\pm$ 0.000 χ^2 /NDF: 26494688665.1/33

Left In: 2.793 $\pm$ 0.000 χ^2 /NDF:12040338650.6/14

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 : 25310.6/15

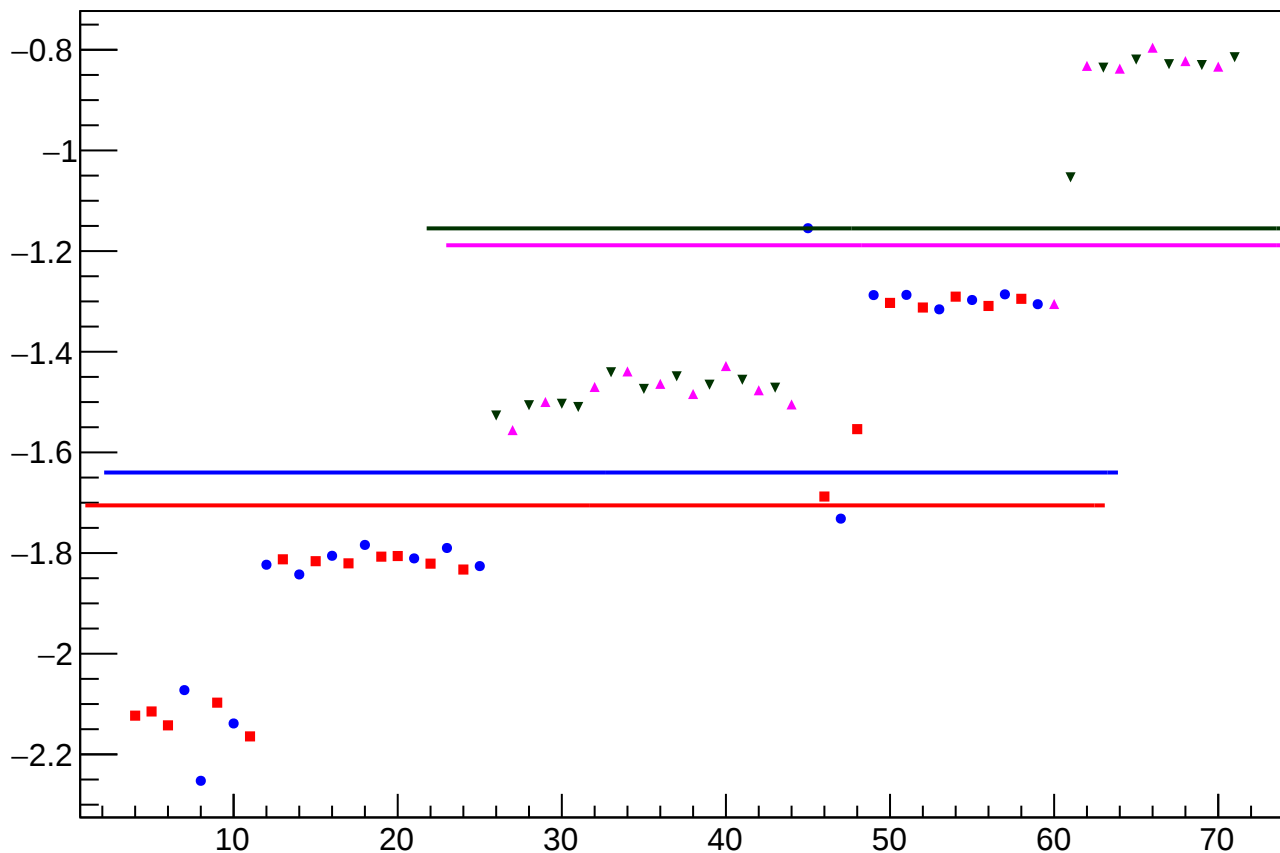
Right Out: 0.012+/-0.000 χ^2/NDF : 107336.5/18

Left In: 0.010+/-0.000 χ^2/NDF : 16729.9/14

0.011+/-0.000 χ^2/NDF : 459753.8/33

0.011+/-0.000 χ^2/NDF : 446627.2/33

yield_bpm0l06Y_mean vs slug



Right In: -1.640 ± 0.000 χ^2/NDF : 63862011114.5/17

Left Out: -1.155 ± 0.000 χ^2/NDF : 37229375446.9/15

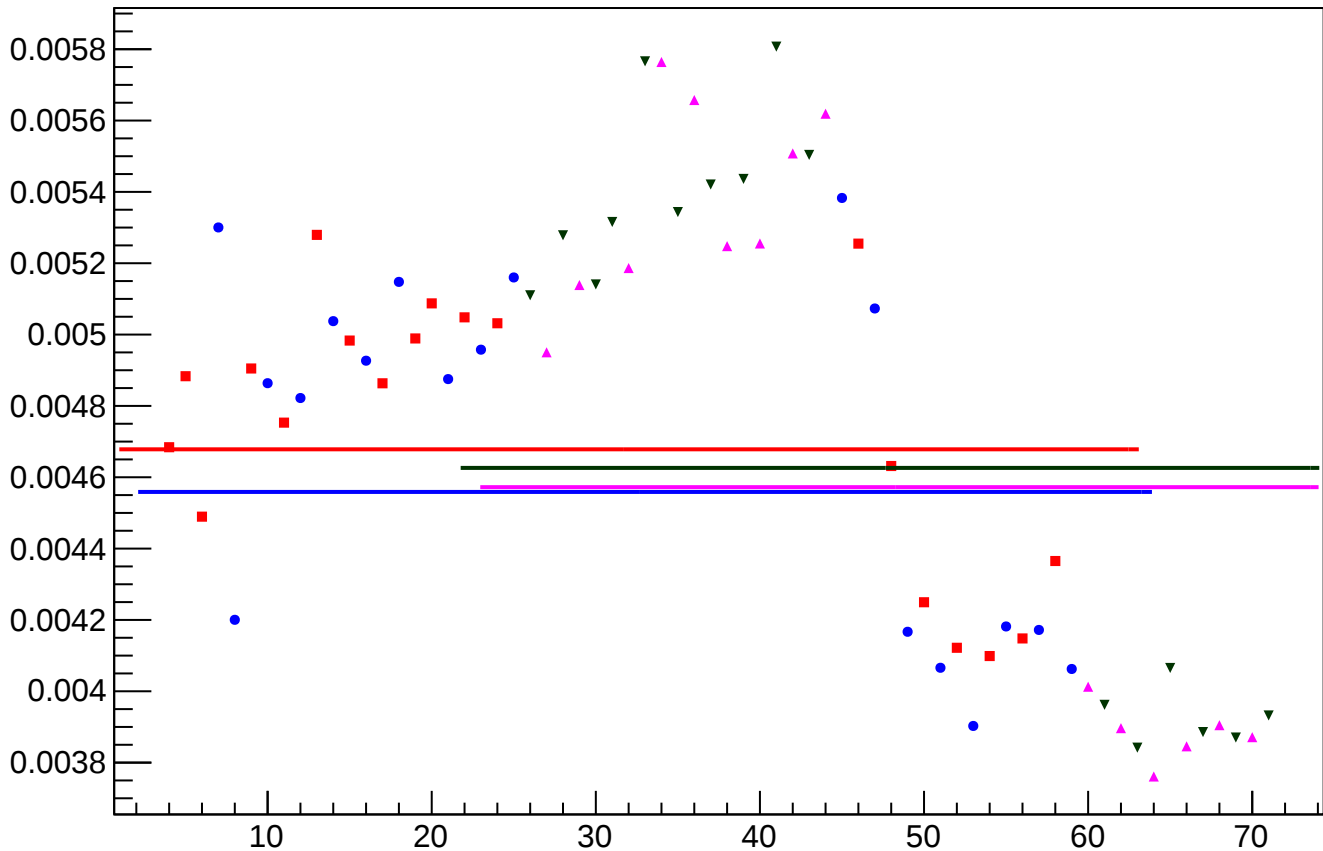
Right Out: -1.705 ± 0.000 χ^2/NDF : 45414052250.2/18

Left In: -1.188 ± 0.000 χ^2/NDF : 41108181132.2/14

-1.439 ± 0.000 χ^2/NDF : 151967655369.2/33

-1.458 ± 0.000 χ^2/NDF : 142346665700.8/33

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 : 419933.6/15

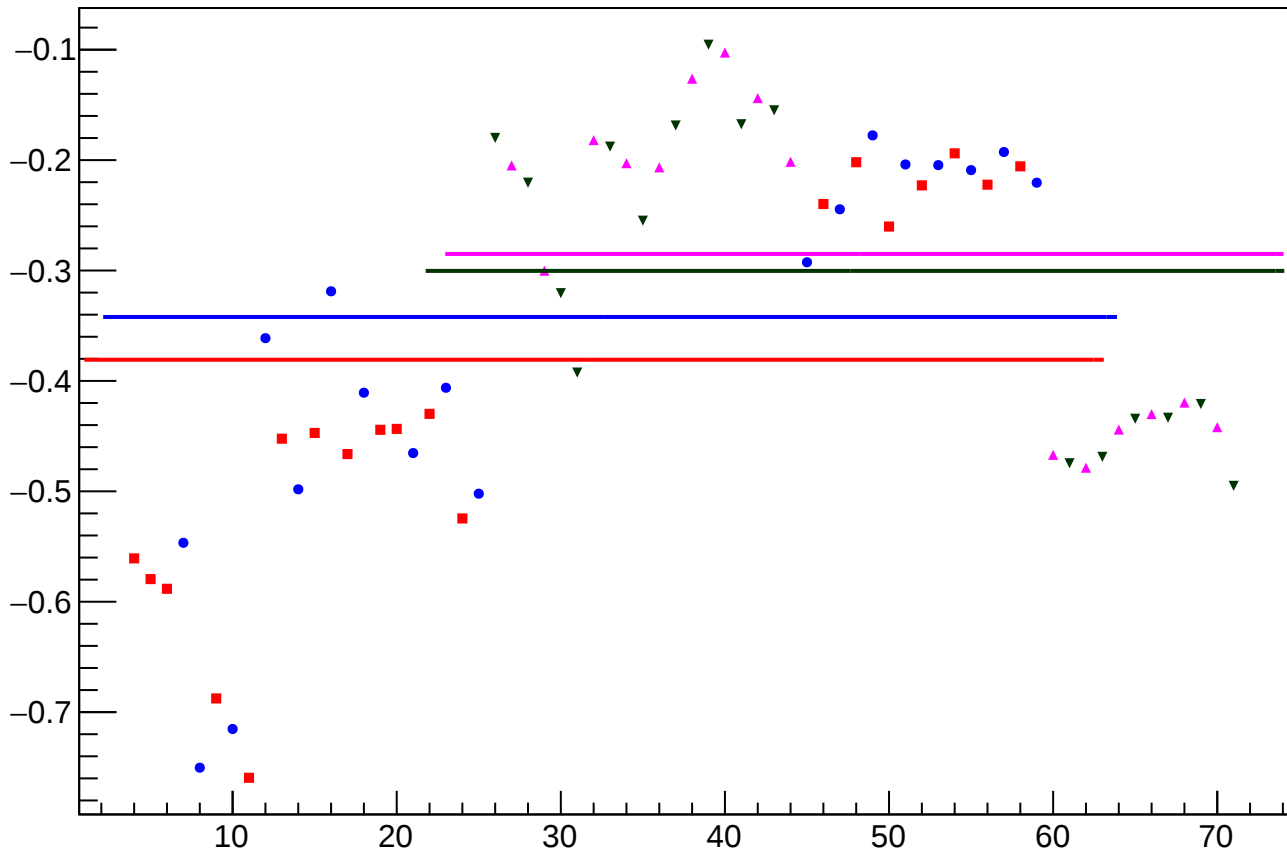
Right Out: 0.005+/-0.000 χ^2/NDF : 136426.0/18

Left In: 0.005+/-0.000 χ^2/NDF : 428443.2/14

0.005+/-0.000 χ^2/NDF : 650490.0/33

0.005+/-0.000 χ^2/NDF : 569571.7/33

yield_bpm0l07X_mean vs slug



Right In: -0.342+/-0.000 χ^2/NDF : 1669772673.5/17

Left Out: -0.300+/-0.000 χ^2/NDF : 687105422.7/15

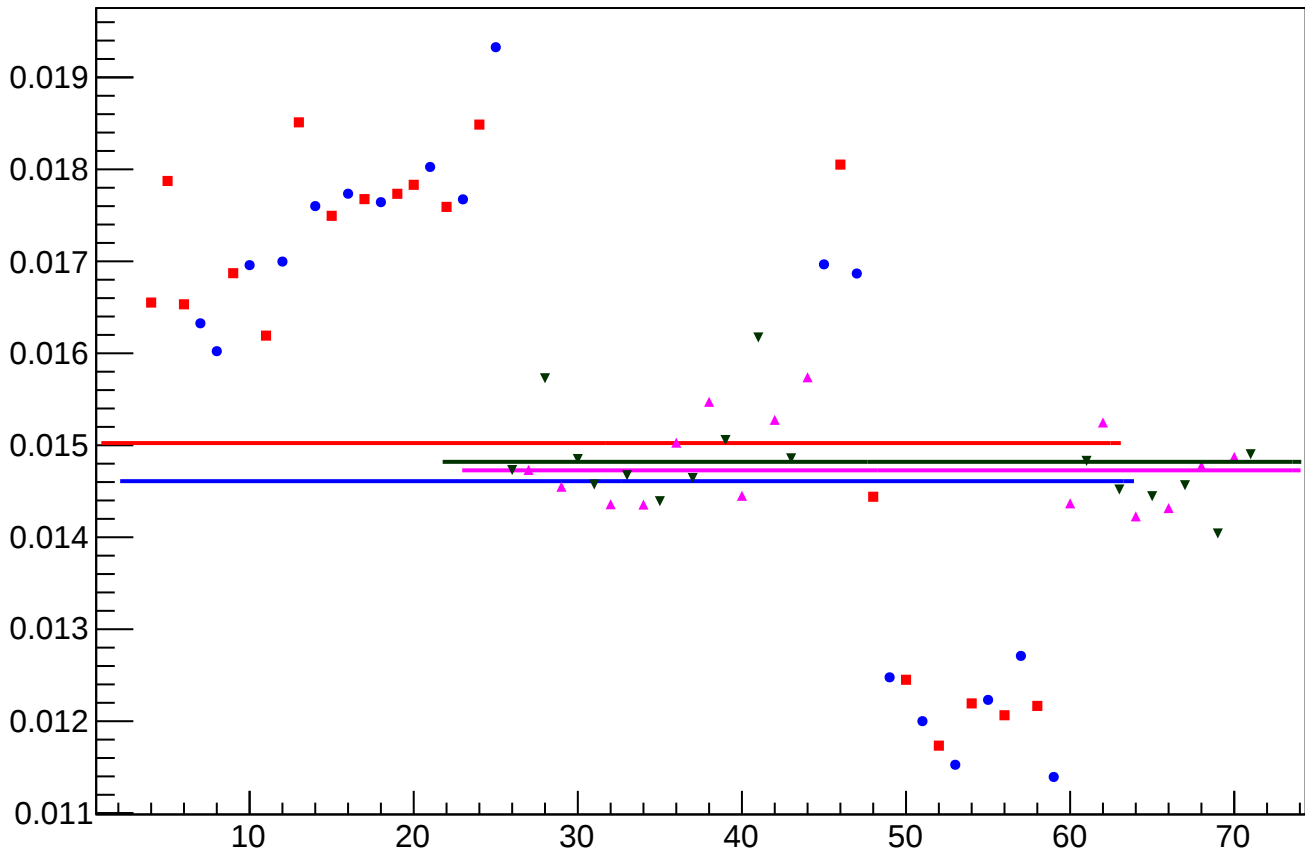
-0.324+/-0.000 χ^2/NDF : 2394412686.0/33

Right Out: -0.381+/-0.000 χ^2/NDF : 1387002500.9/18

-0.334+/-0.000 χ^2/NDF : 2244788420.9/33

Left In: -0.285+/-0.000 χ^2/NDF : 671102042.5/14

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 :18941.5/15

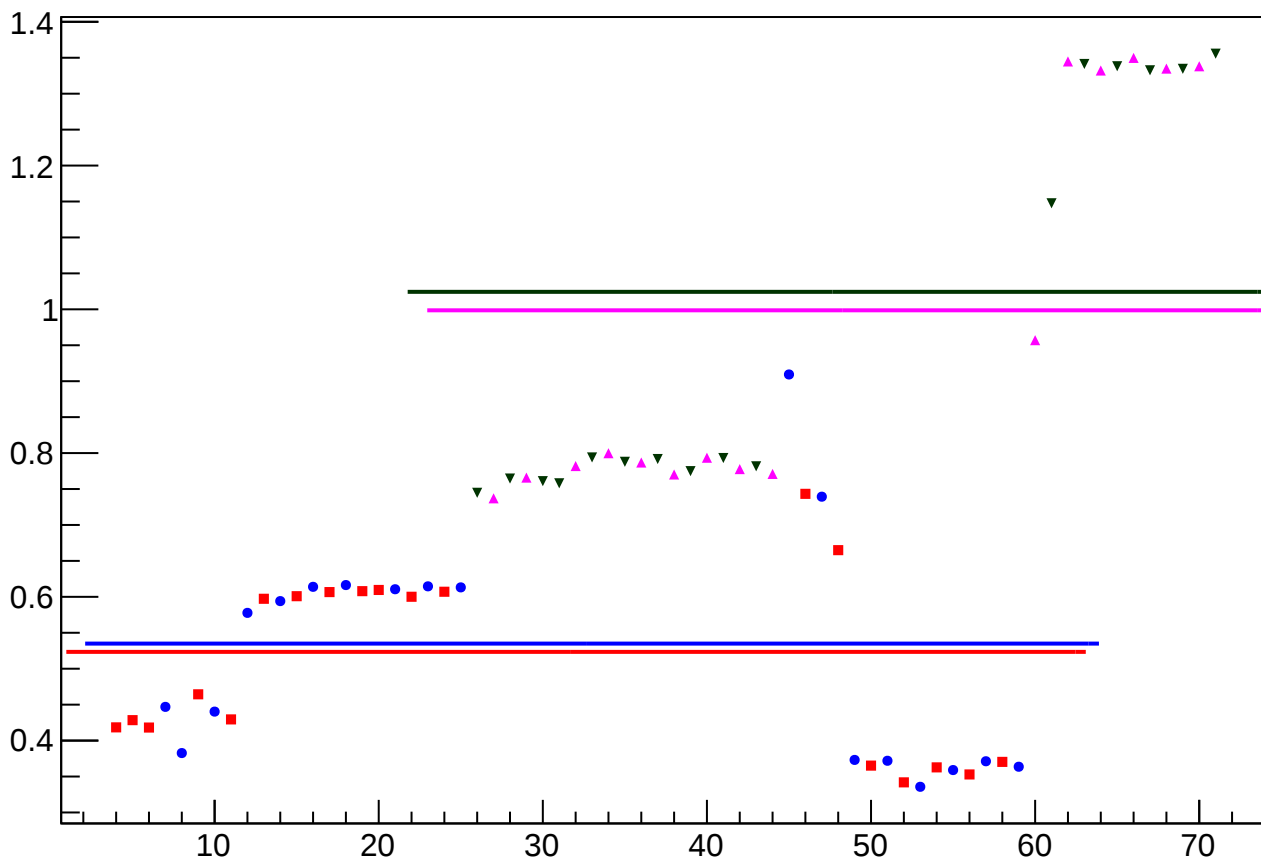
Right Out: 0.015+/-0.000 χ^2/NDF : 573783.3/18

Left In: 0.015+/-0.000 χ^2/NDF :14857.6/14

0.015+/-0.000 χ^2/NDF : 732770.0/33

0.015+/-0.000 χ^2/NDF : 592217.9/33

yield_bpm0l07Y_mean vs slug



Right In: 0.535+/-0.000 χ^2/NDF : 21231144094.8/17

Left Out: 1.024+/-0.000 χ^2/NDF : 67263637985.7/15

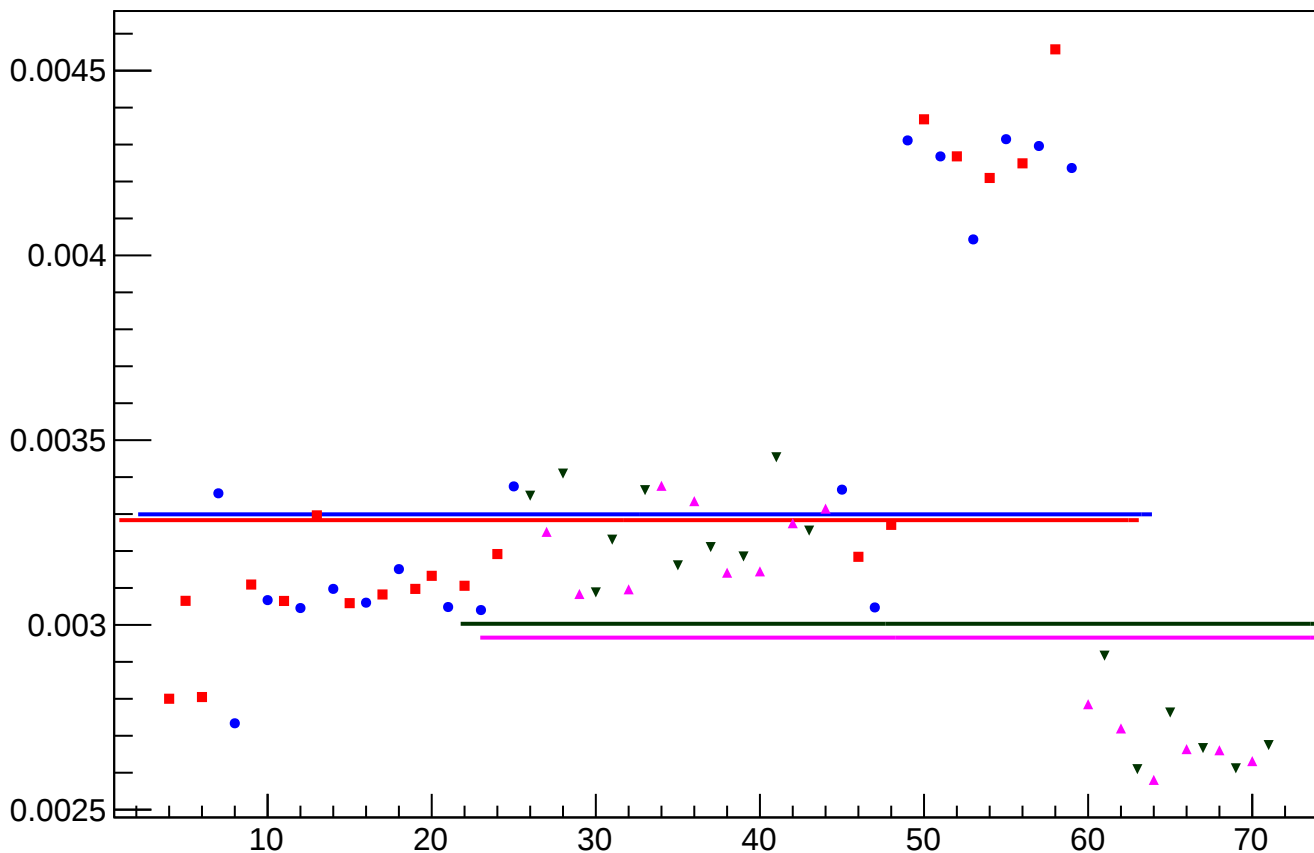
Right Out: 0.523+/-0.000 χ^2/NDF : 11523934099.1/18

Left In: 0.999+/-0.000 χ^2/NDF : 70066622703.2/14

0.768+/-0.000 χ^2/NDF : 200868505089.6/33

0.773+/-0.000 χ^2/NDF : 185533391092.9/33

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 : 167077.2/15

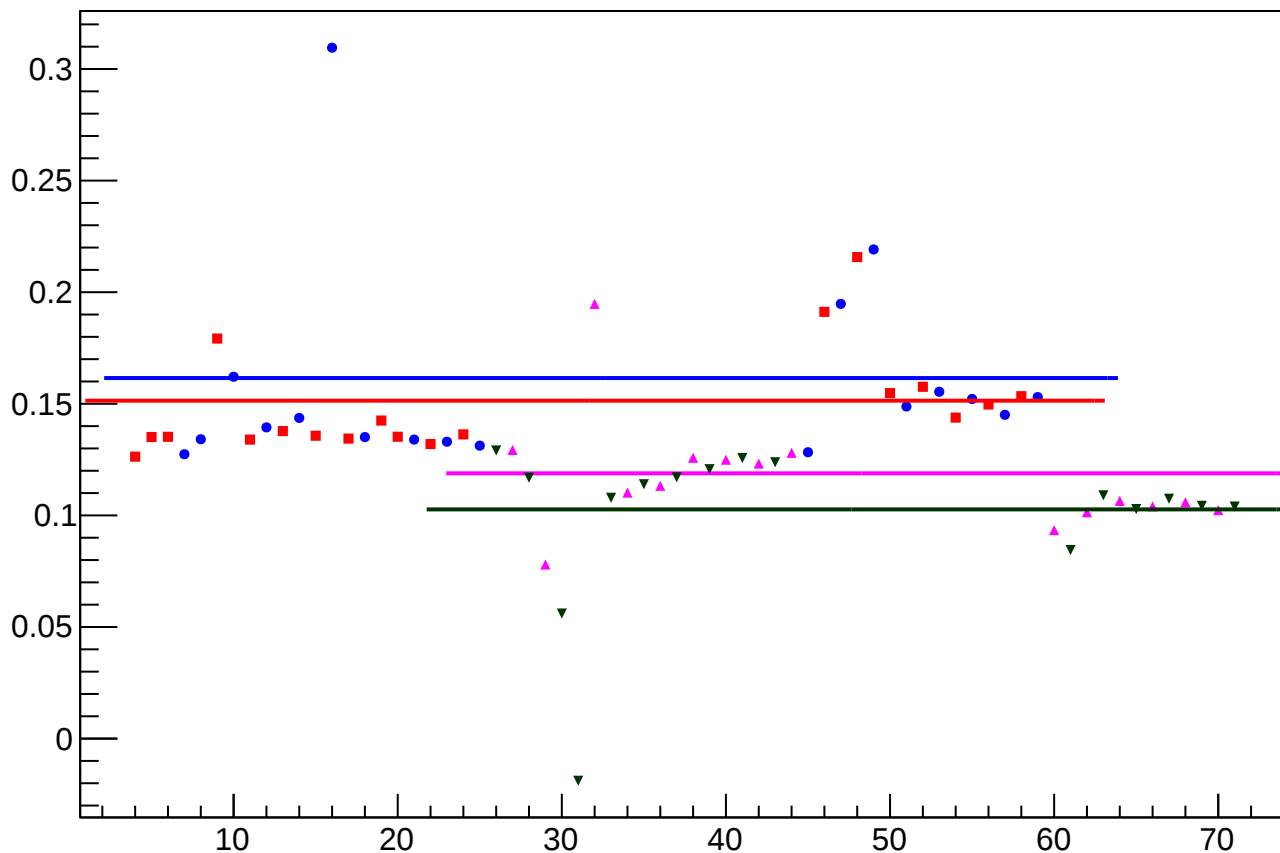
Right Out: 0.003 ± 0.000 χ^2/NDF : 382277.8/18

Left In: 0.003 ± 0.000 χ^2/NDF : 150952.3/14

0.003 ± 0.000 χ^2/NDF : 746988.5/33

0.003 ± 0.000 χ^2/NDF : 626295.0/33

yield_bpm0l08X_mean vs slug



Right In: 0.162 ± 0.000 χ^2/NDF : 94764439.1/17

Left Out: 0.103 ± 0.000 χ^2/NDF : 43465648.5/15

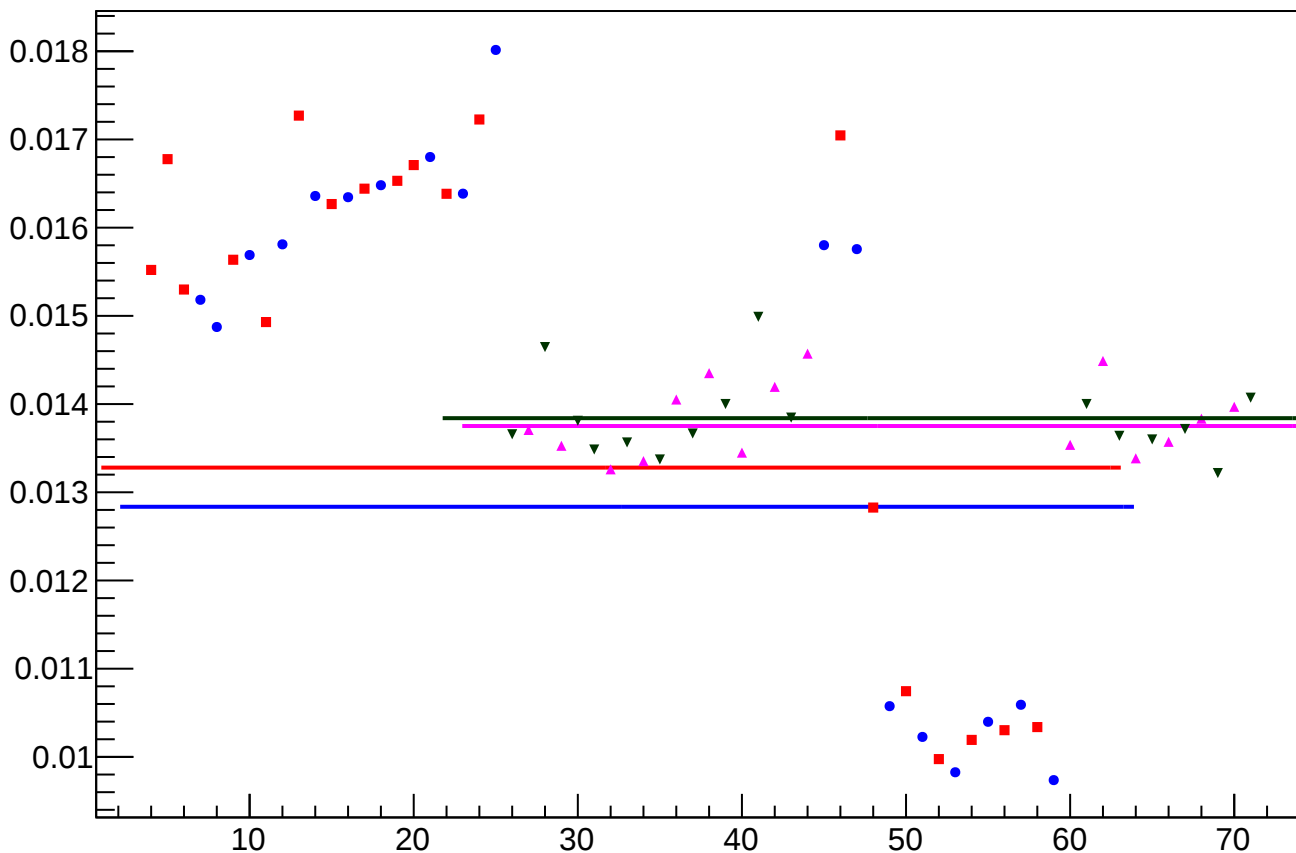
Right Out: 0.151 ± 0.000 χ^2/NDF : 22463584.0/18

Left In: 0.119 ± 0.000 χ^2/NDF : 42487019.8/14

0.138 ± 0.000 χ^2/NDF : 227437557.1/33

0.136 ± 0.000 χ^2/NDF : 90725025.9/33

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 :16953.4/15

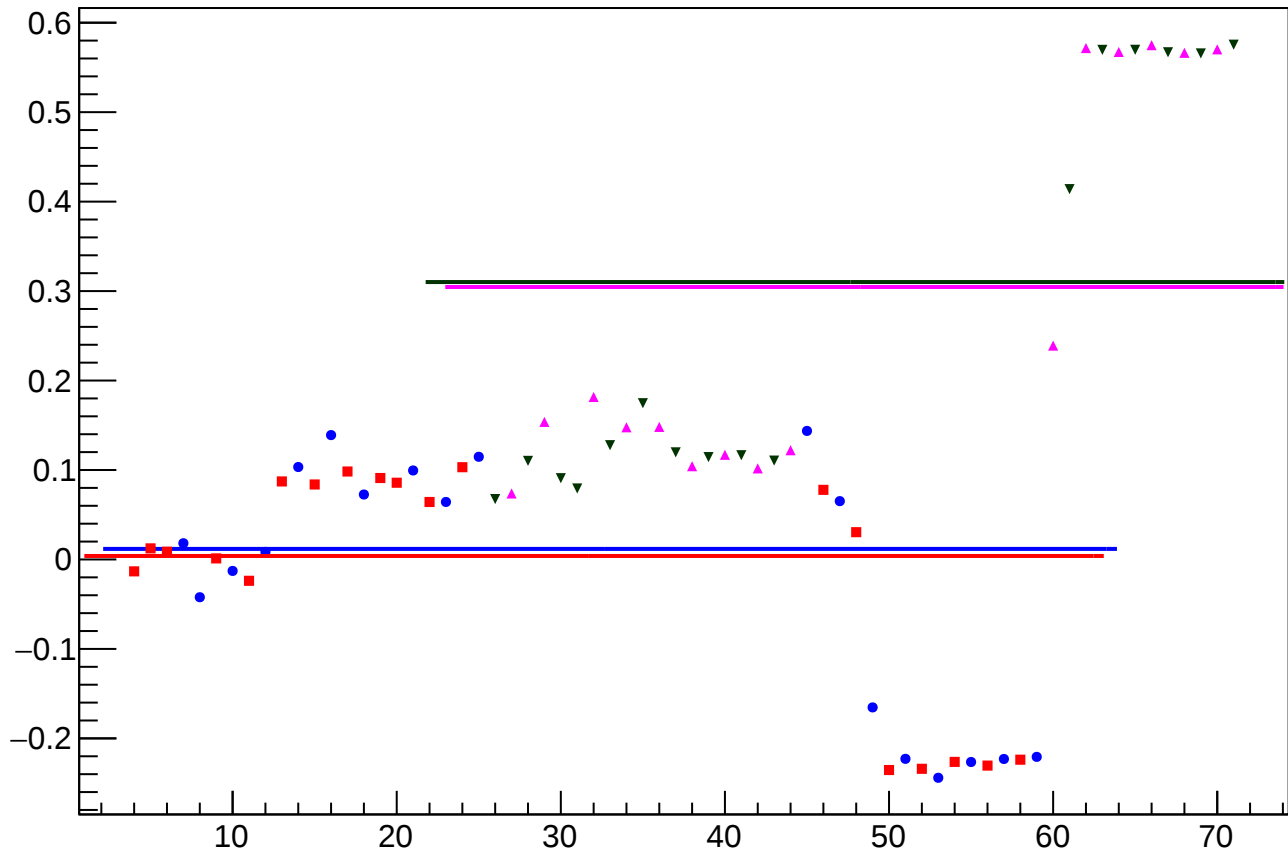
Right Out: 0.013+/-0.000 χ^2/NDF : 890007.3/18

Left In: 0.014+/-0.000 χ^2/NDF :14749.3/14

0.013+/-0.000 χ^2/NDF : 1157180.3/33

0.014+/-0.000 χ^2/NDF : 915569.1/33

yield_bpm0l08Y_mean vs slug



Right In: 0.012 ± 0.000 χ^2/NDF : 12179192870.2/17

Left Out: 0.310 ± 0.000 χ^2/NDF : 42685177116.5/15

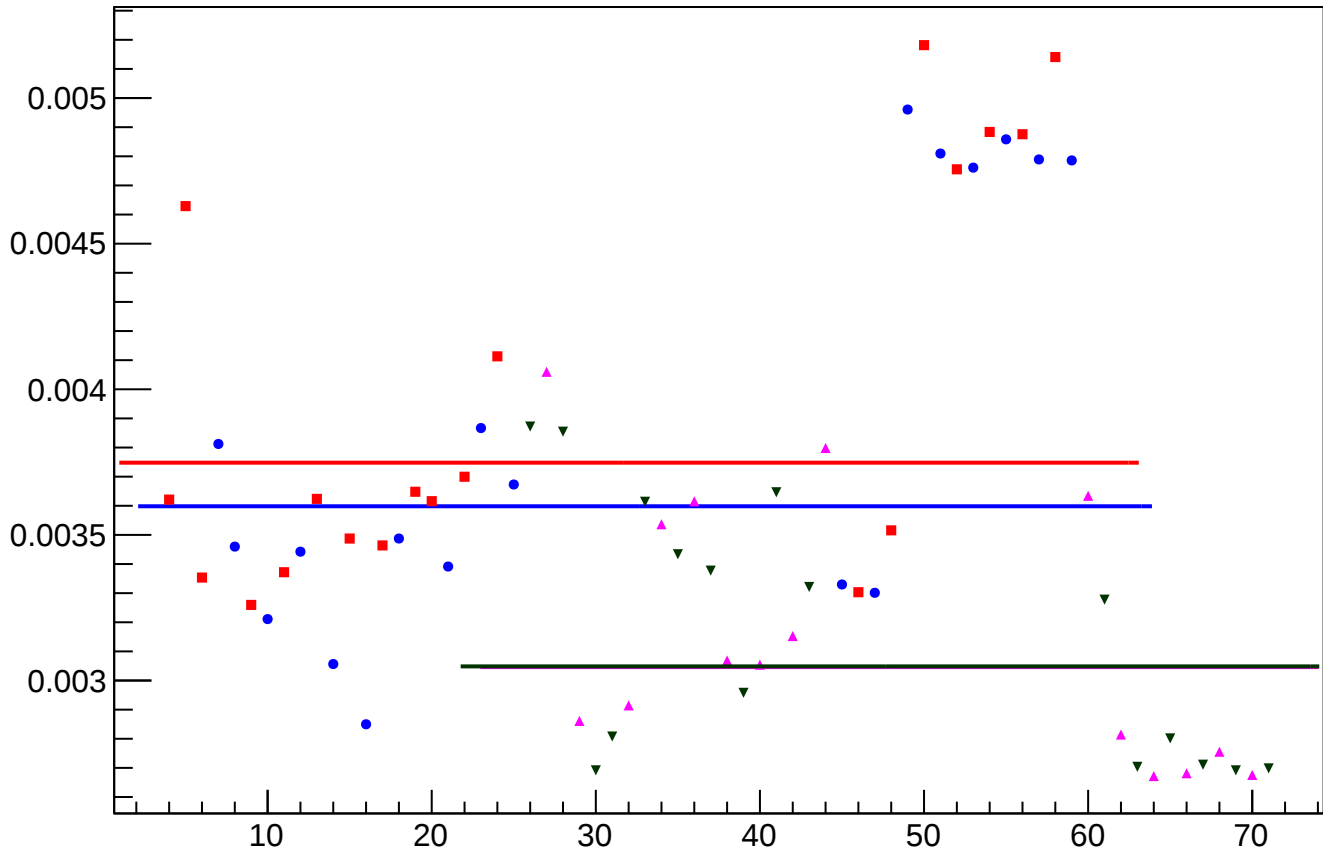
Right Out: 0.004 ± 0.000 χ^2/NDF : 7924148421.7/18

Left In: 0.305 ± 0.000 χ^2/NDF : 39776510568.7/14

0.165 ± 0.000 χ^2/NDF : 91719628924.7/33

0.178 ± 0.000 χ^2/NDF : 81859370535.5/33

yield_bpm0l08Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 672957.8/17

Left Out: 0.003+/-0.000 χ^2/NDF :284504.7/15

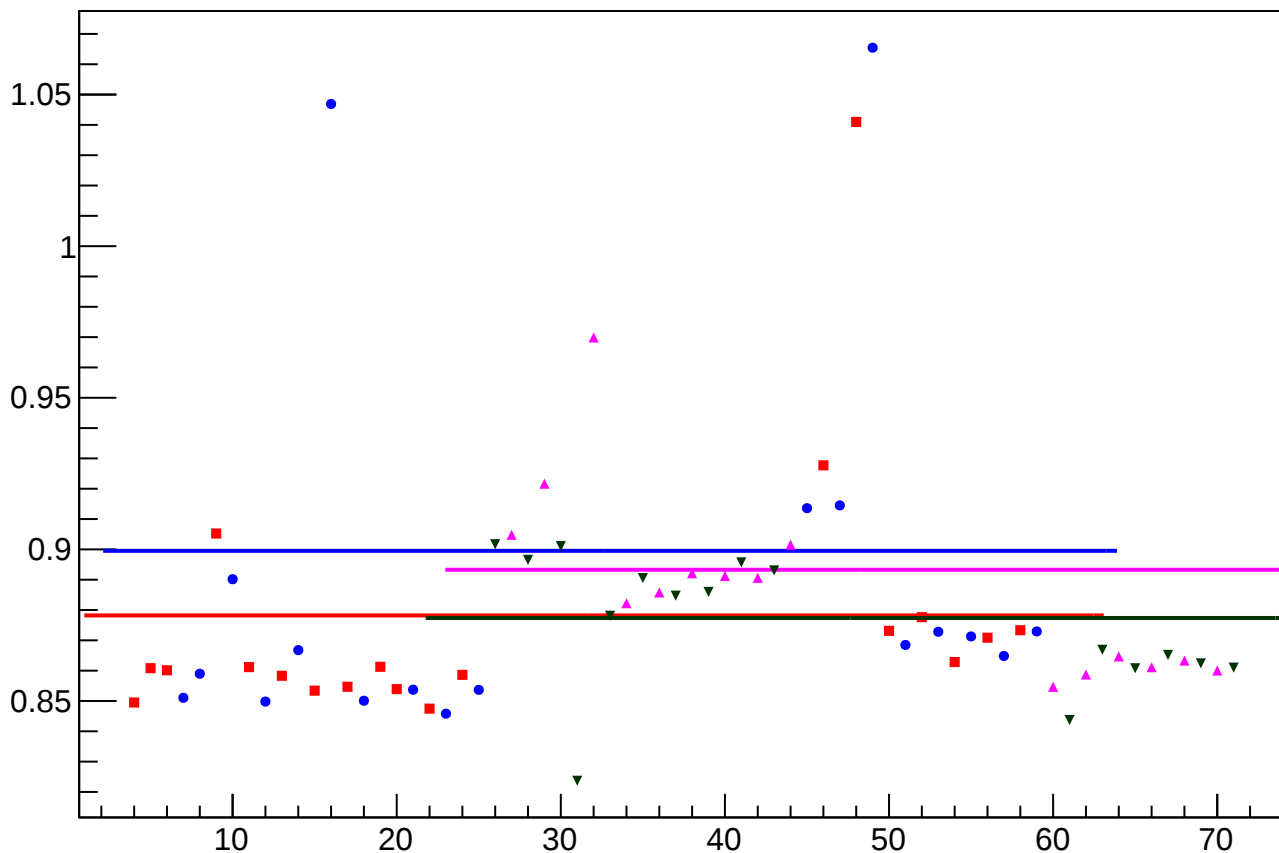
0.003+/-0.000 χ^2/NDF : 1207884.5/33

Right Out: 0.004+/-0.000 χ^2/NDF : 427283.7/18

0.003+/-0.000 χ^2/NDF : 1097561.4/33

Left In: 0.003+/-0.000 χ^2/NDF :297921.2/14

yield_bpm0l09X_mean vs slug



Right In: 0.900+/-0.000 χ^2/NDF : 324904340.4/17

Left Out: 0.877+/-0.000 χ^2/NDF : 18276099.6/15

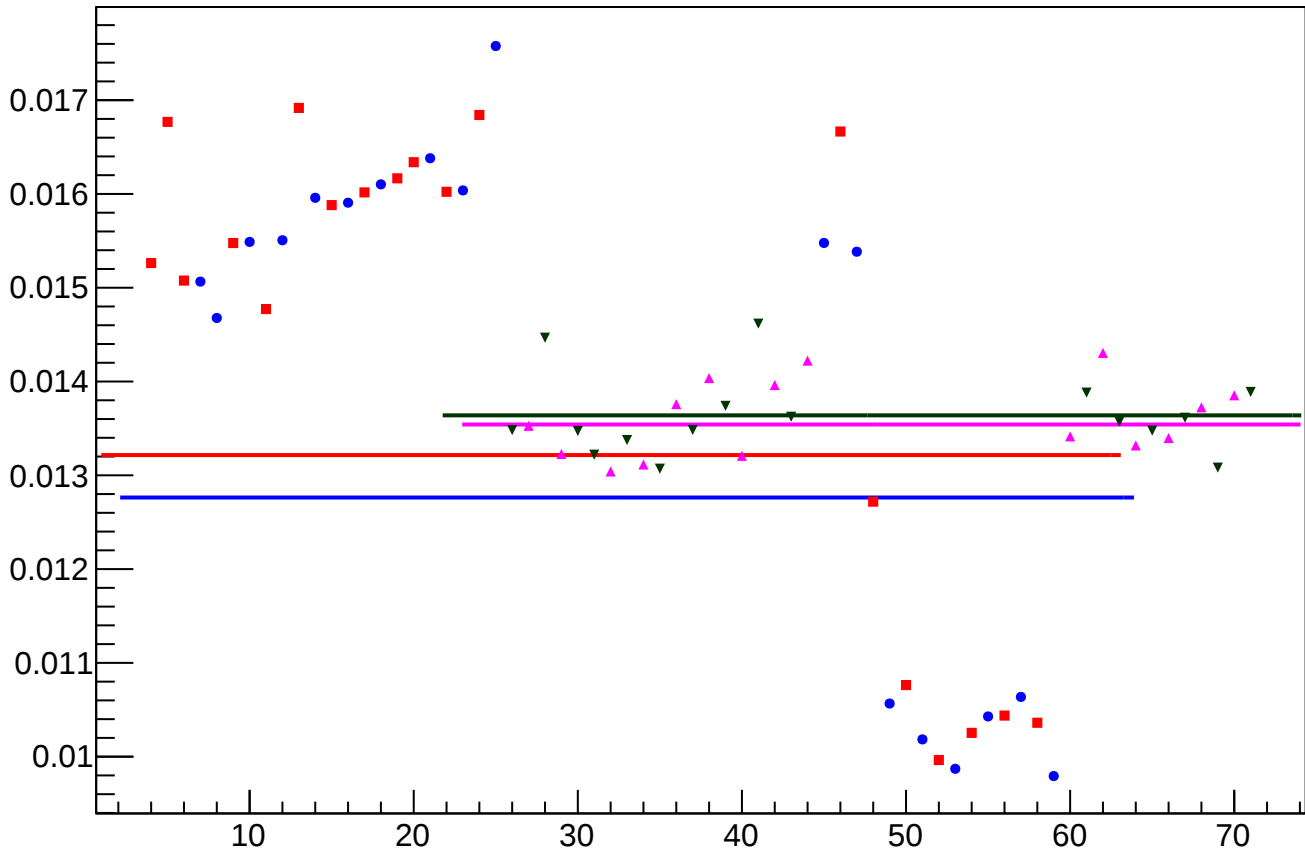
Right Out: 0.878+/-0.000 χ^2/NDF : 92356263.0/18

Left In: 0.893+/-0.000 χ^2/NDF : 53377167.3/14

0.890+/-0.000 χ^2/NDF : 356116155.9/33

0.885+/-0.000 χ^2/NDF : 151368827.8/33

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 :15931.9/15

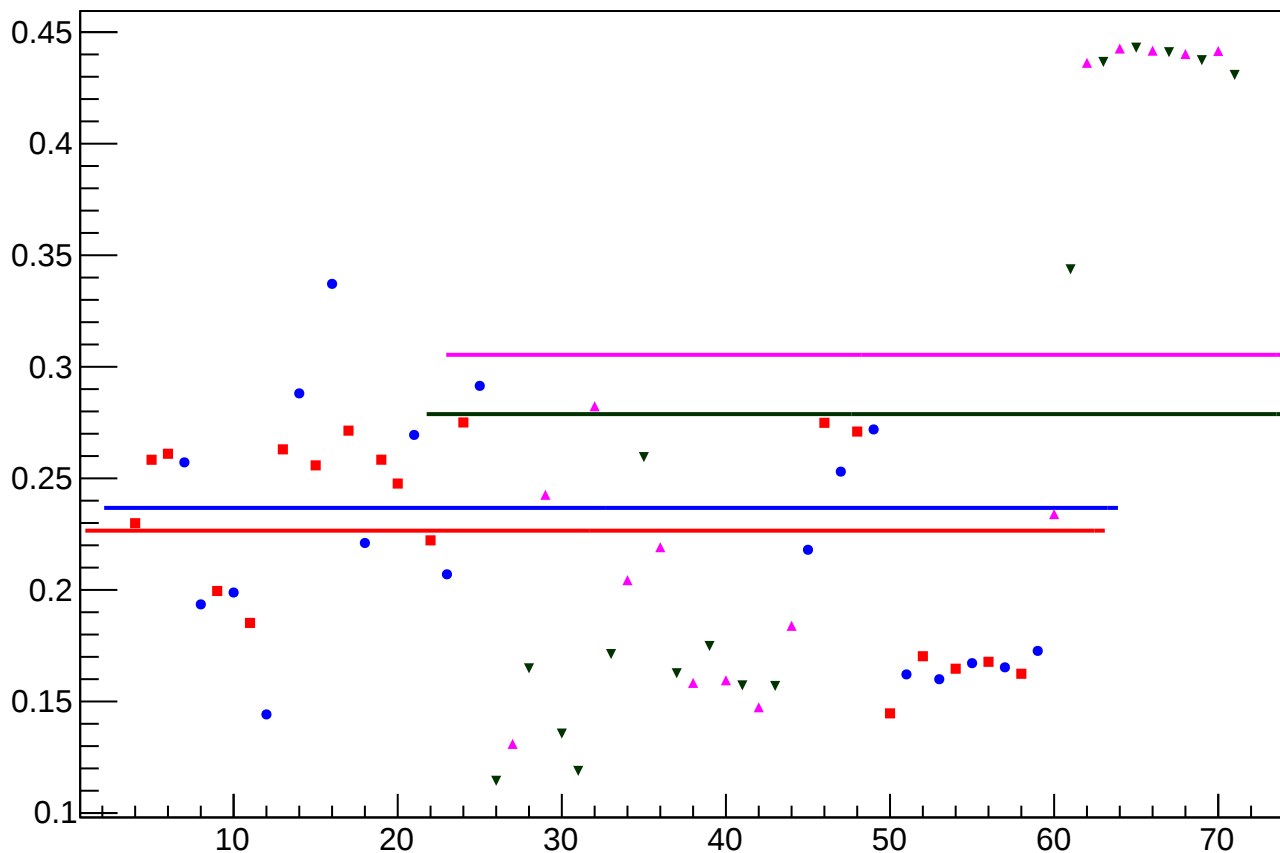
Right Out: 0.013+/-0.000 χ^2/NDF : 798846.8/18

Left In: 0.014+/-0.000 χ^2/NDF :13928.3/14

0.013+/-0.000 χ^2/NDF : 1036536.1/33

0.013+/-0.000 χ^2/NDF : 818050.6/33

yield_bpm0l09Y_mean vs slug



Right In: 0.237 ± 0.000 χ^2/NDF : 2411617824.9/17

Left Out: 0.279 ± 0.000 χ^2/NDF : 15009239588.5/15

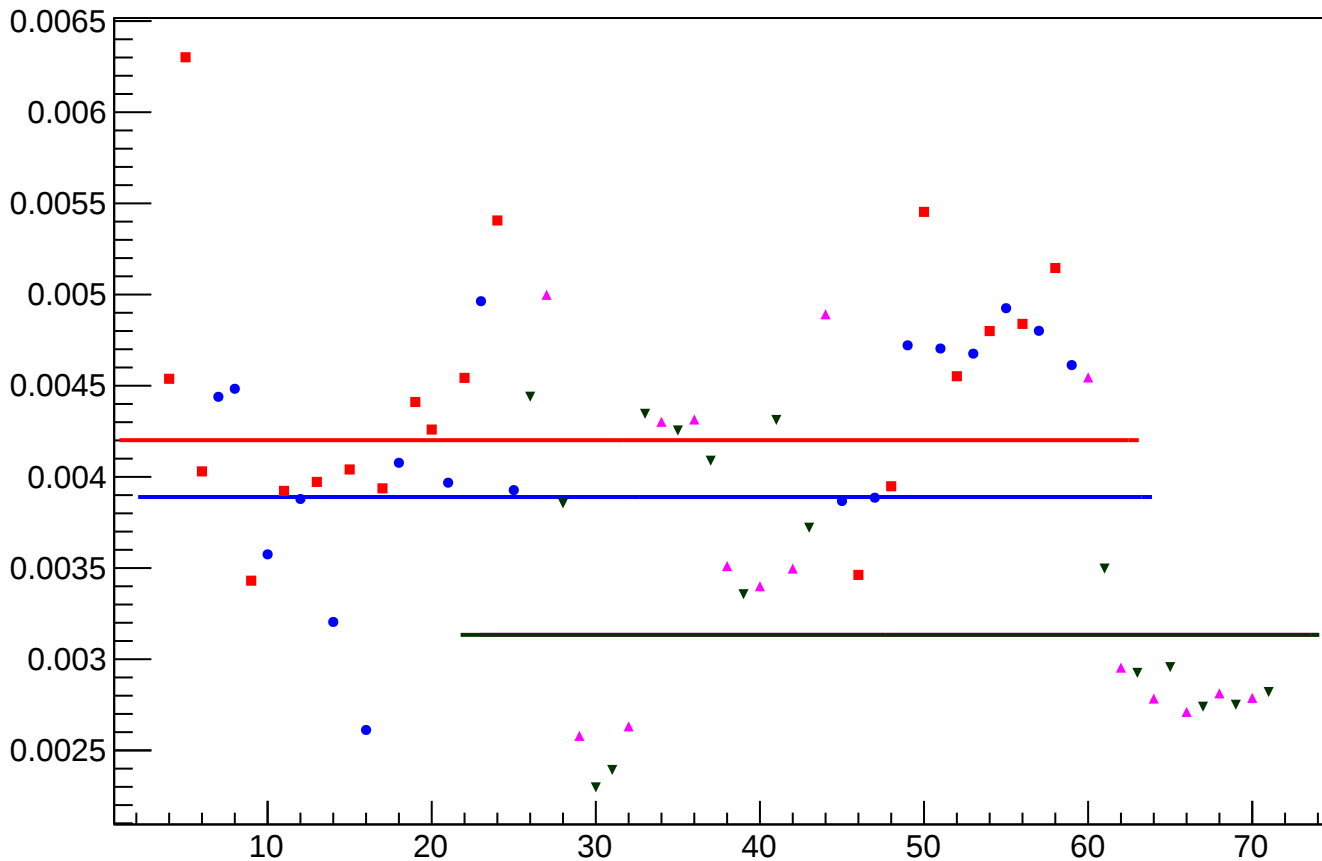
Right Out: 0.227 ± 0.000 χ^2/NDF : 943883207.4/18

Left In: 0.305 ± 0.000 χ^2/NDF : 10890447473.8/14

0.259 ± 0.000 χ^2/NDF : 18055939229.1/33

0.275 ± 0.000 χ^2/NDF : 13761845417.1/33

yield_bpm0l09Y_rms vs slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 695729.3/17

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 700294.5/15

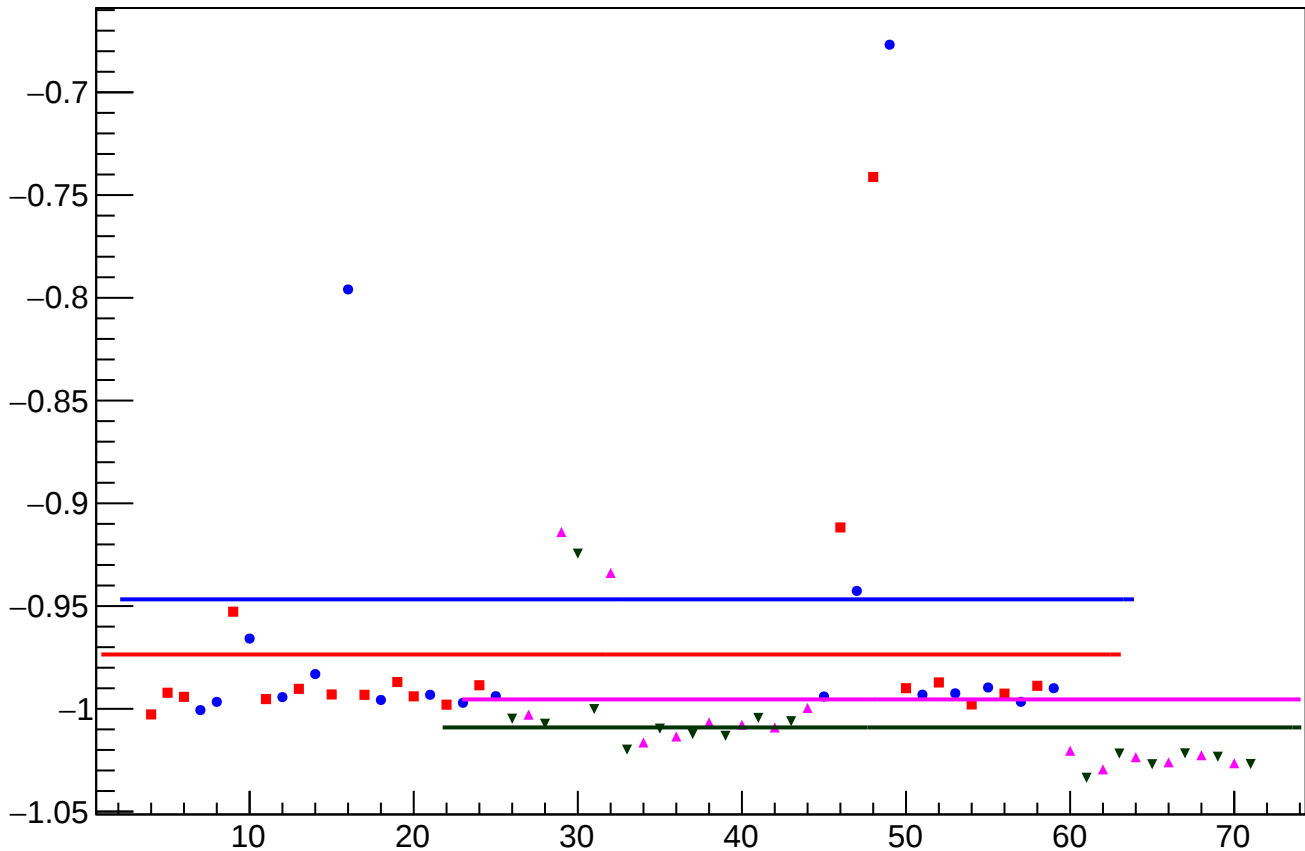
Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 341340.8/18

Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 809969.3/14

0.003 $\pm$ 0.000 χ^2 /NDF: 1806968.7/33

0.004 $\pm$ 0.000 χ^2 /NDF: 1858750.8/33

yield_bpm0l10X_mean vs slug



Right In: -0.947+/-0.000 χ^2 /NDF: 662253046.3/17

Left Out: -1.009+/-0.000 χ^2 /NDF: 27974655.3/15

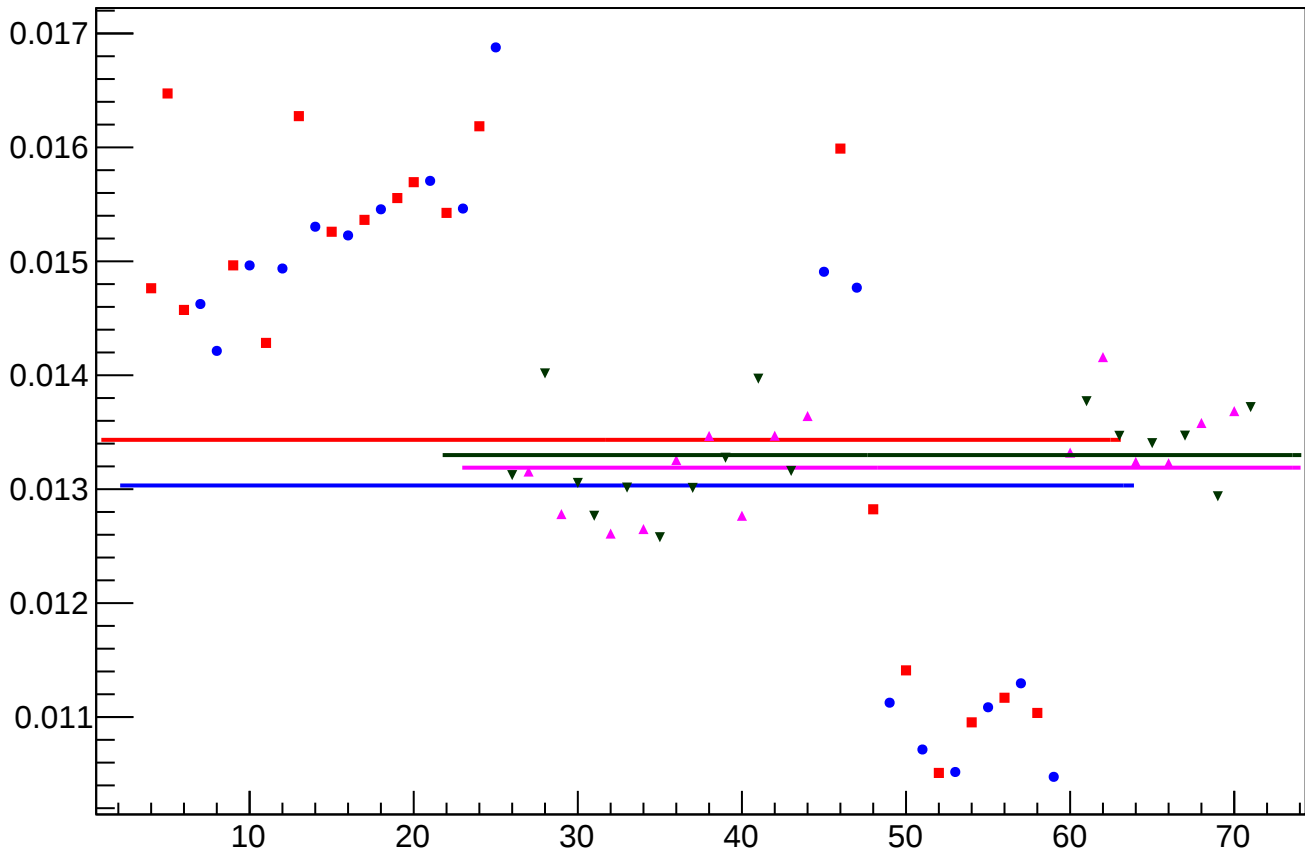
Right Out: -0.974+/-0.000 χ^2 /NDF: 174691792.1/18

Left In: -0.995+/-0.000 χ^2 /NDF: 73424289.6/14

-0.973+/-0.000 χ^2 /NDF: 794462786.4/33

-0.984+/-0.000 χ^2 /NDF: 260210045.0/33

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 :15840.3/15

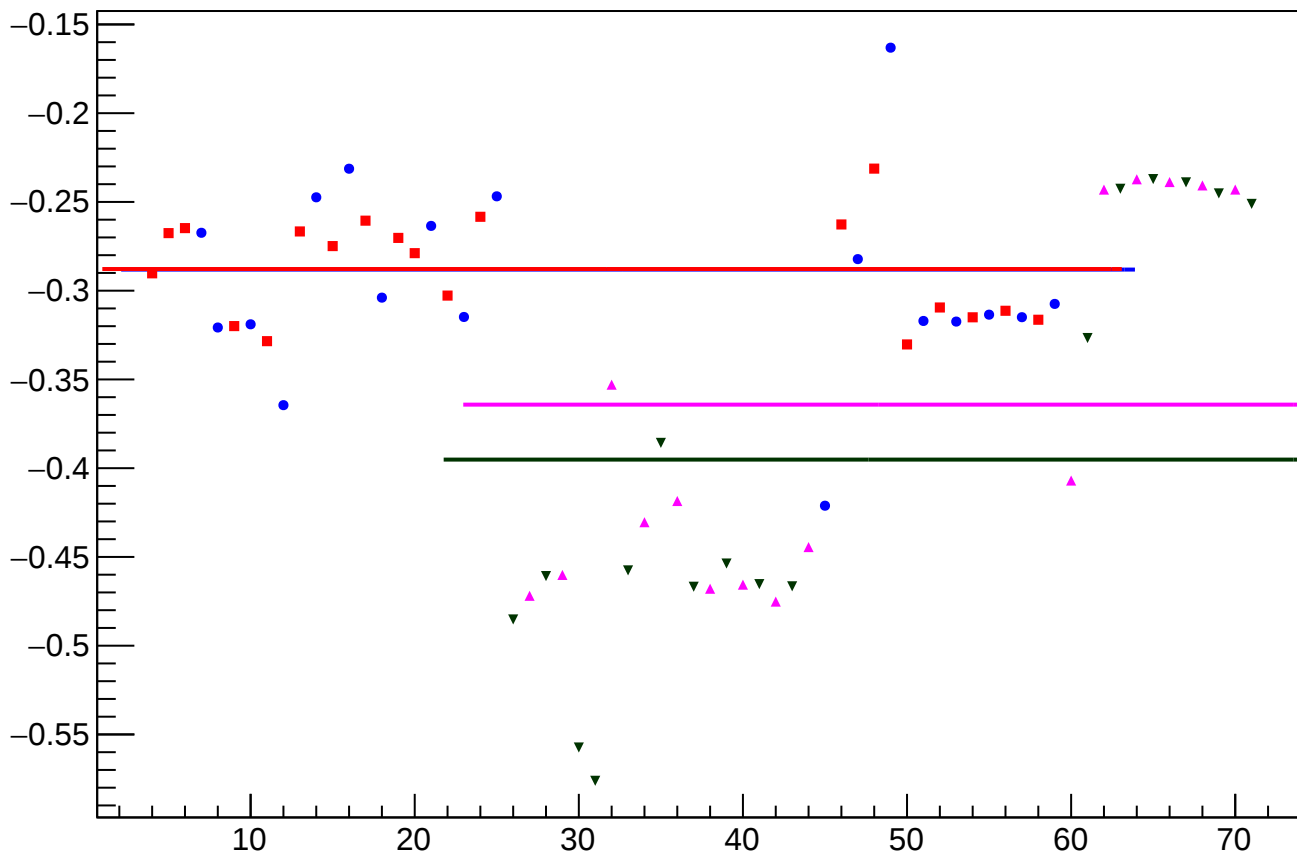
Right Out: 0.013+/-0.000 χ^2/NDF : 479245.1/18

Left In: 0.013+/-0.000 χ^2/NDF :17013.3/14

0.013+/-0.000 χ^2/NDF : 607492.4/33

0.013+/-0.000 χ^2/NDF : 499278.5/33

yield_bpm0l10Y_mean vs slug



Right In: -0.288+/-0.000 χ^2/NDF : 2601289511.6/17

Left Out: -0.395+/-0.000 χ^2/NDF : 13471720247.6/15

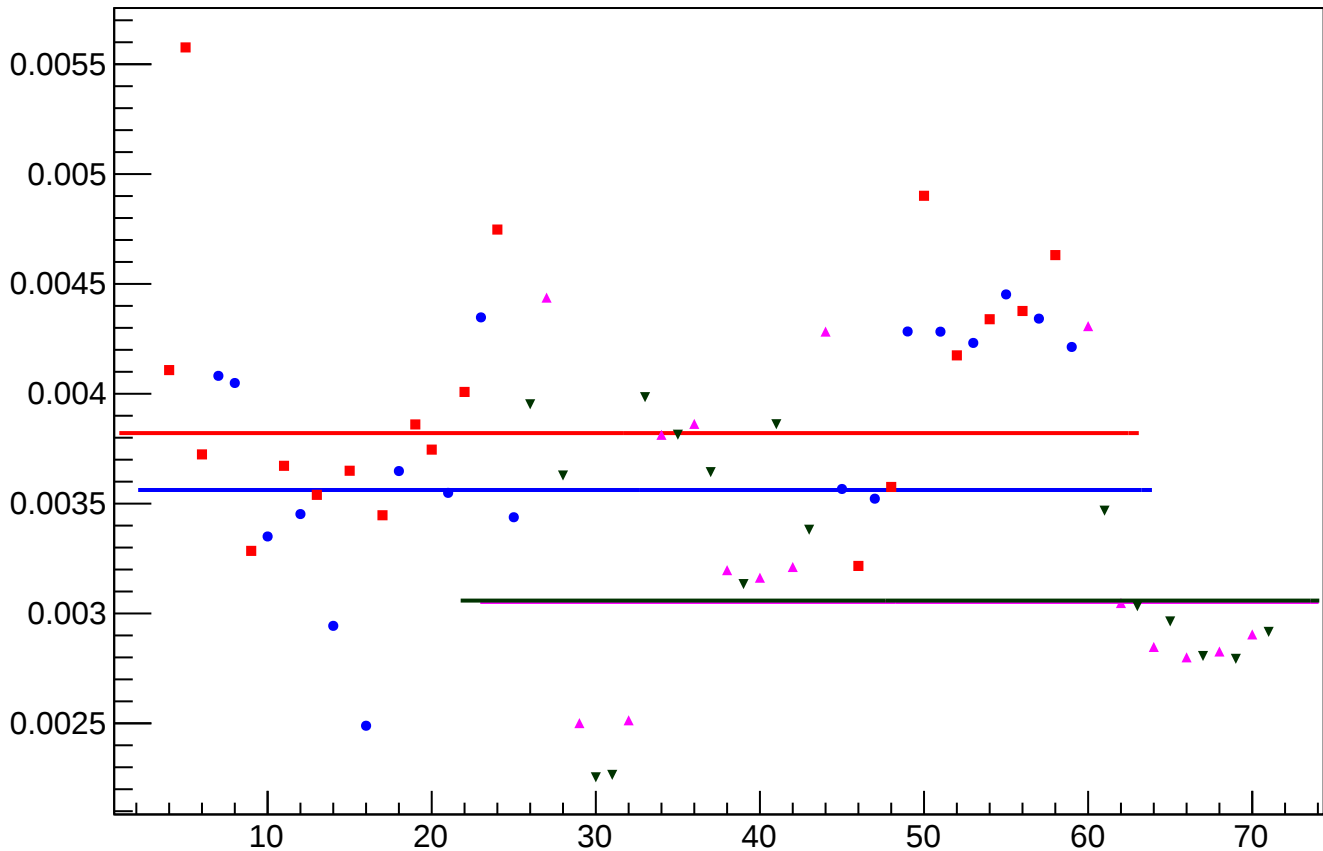
Right Out: -0.288+/-0.000 χ^2/NDF : 515794849.9/18

Left In: -0.364+/-0.000 χ^2/NDF : 8335262043.6/14

-0.342+/-0.000 χ^2/NDF : 20767537013.7/33

-0.332+/-0.000 χ^2/NDF : 10958623276.2/33

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 : 500698.0/15

Right Out: 0.004+/-0.000 χ^2/NDF : 282191.6/18

Left In: 0.003+/-0.000 χ^2/NDF : 577349.5/14

0.003+/-0.000 χ^2/NDF : 1297008.5/33

0.003+/-0.000 χ^2/NDF : 1286220.8/33