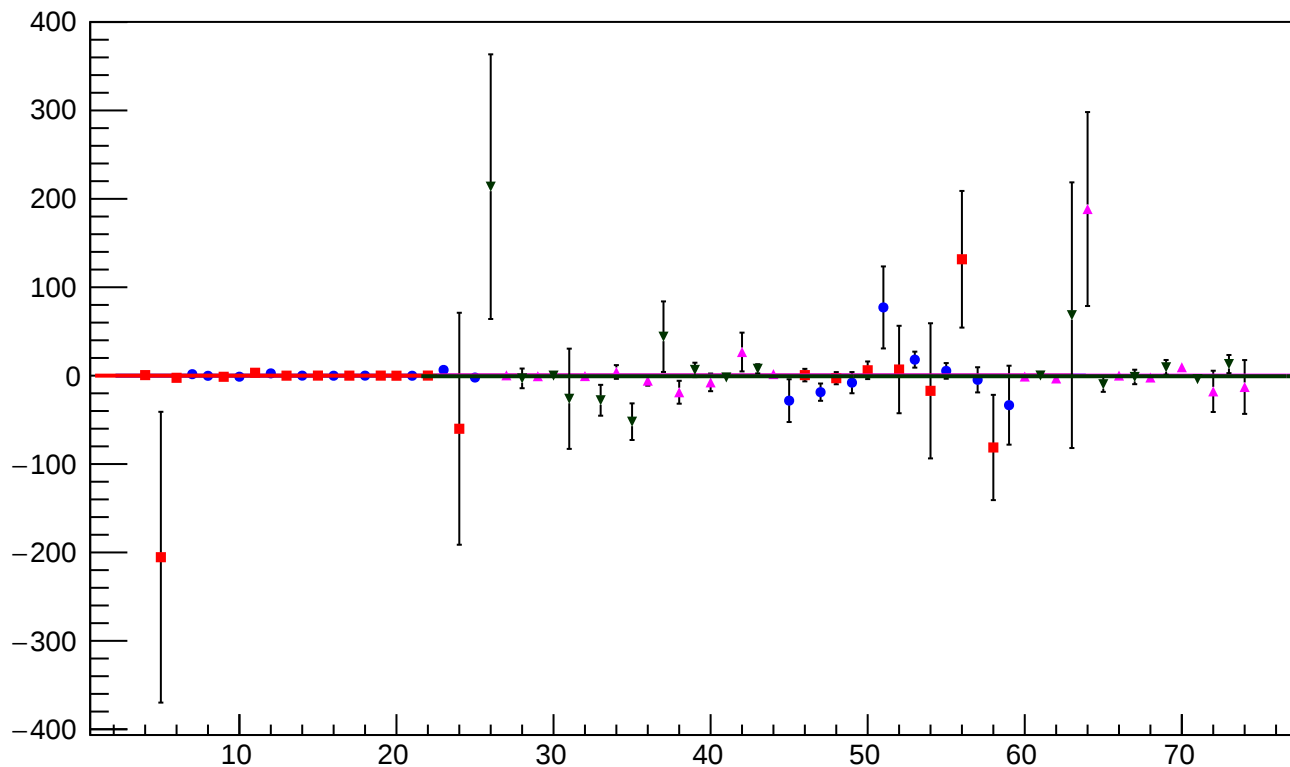


diff_cav4bX_mean vs slug



Right In: -0.014 $\pm$ 0.014

χ^2 /NDF: 31.2/17

Left Out: -0.673 $\pm$ 1.129

χ^2 /NDF: 21.9/16

Right Out: 0.017 $\pm$ 0.016

χ^2 /NDF: 24.7/18

Left In: 0.070 $\pm$ 0.073

χ^2 /NDF: 25.6/16

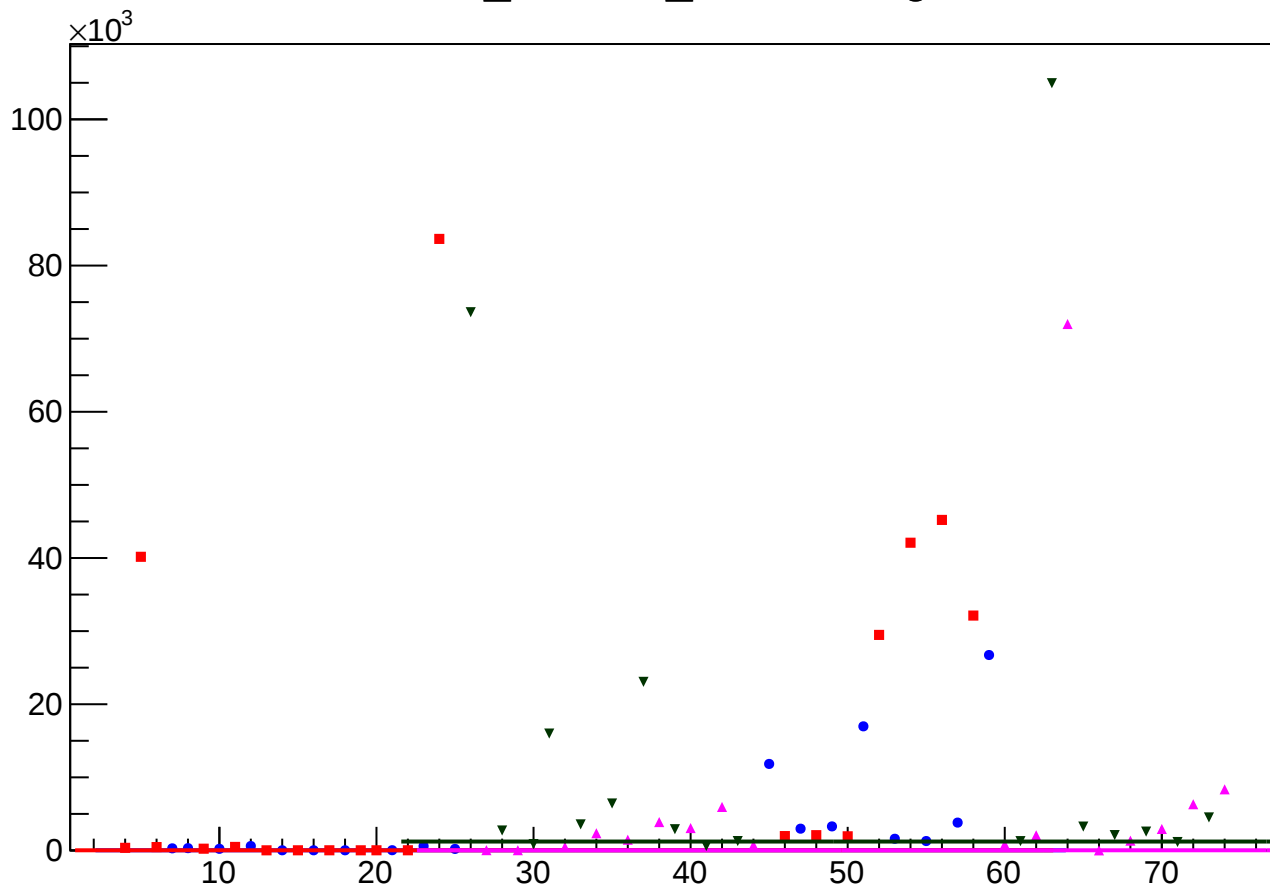
-0.014 $\pm$ 0.014

χ^2 /NDF: 53.4/34

0.019 $\pm$ 0.016

χ^2 /NDF: 50.8/35

diff_cav4bX_rms vs slug



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

Left Out: 1219.399 $\pm$ 0.799 χ^2/NDF : 3047419.3/16

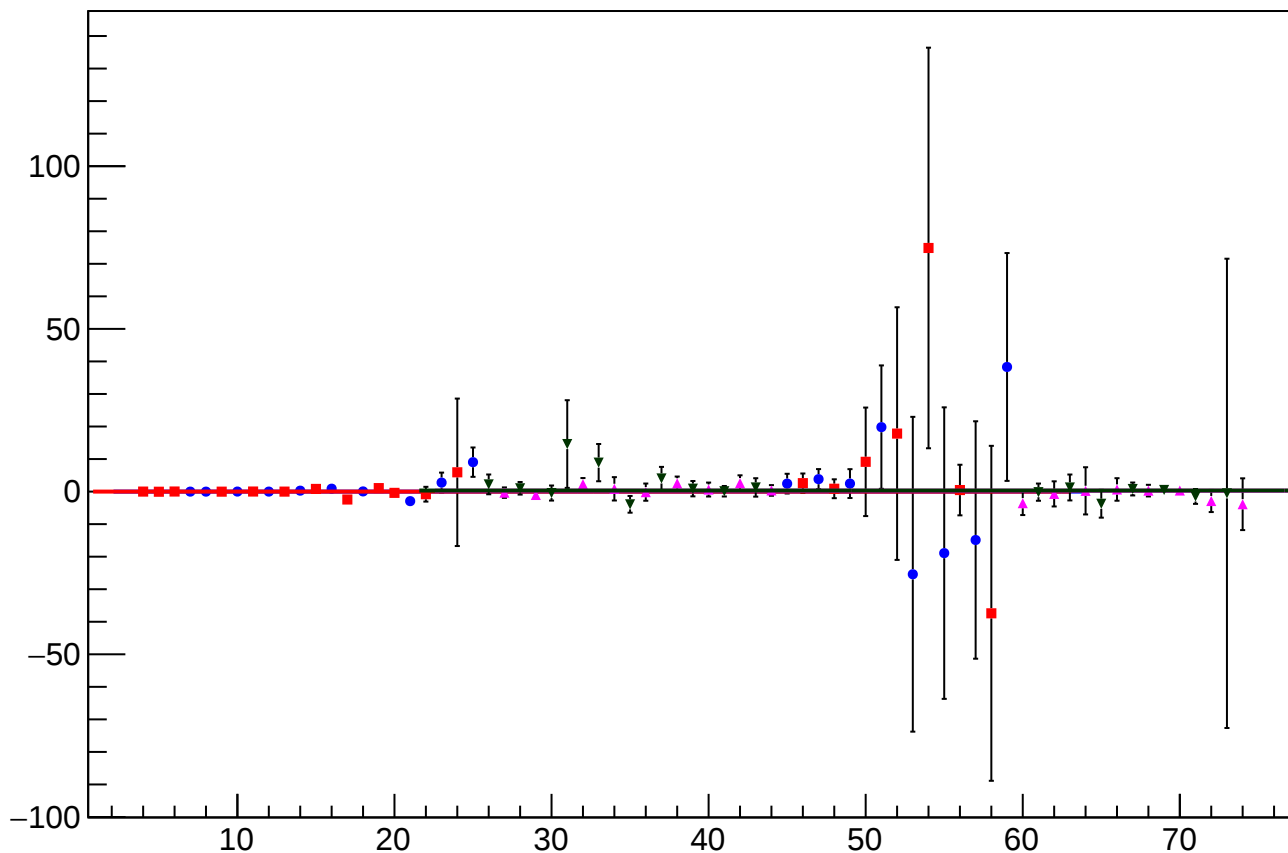
Right Out: 22.611 $\pm$ 0.011 χ^2/NDF : 4395534.2/18

Left In: 24.544 $\pm$ 0.052 χ^2/NDF : 4909230.1/16

22.622 $\pm$ 0.010 χ^2/NDF : 8097822.8/34

22.701 $\pm$ 0.011 χ^2/NDF : 9306104.5/35

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 : 9.7/16

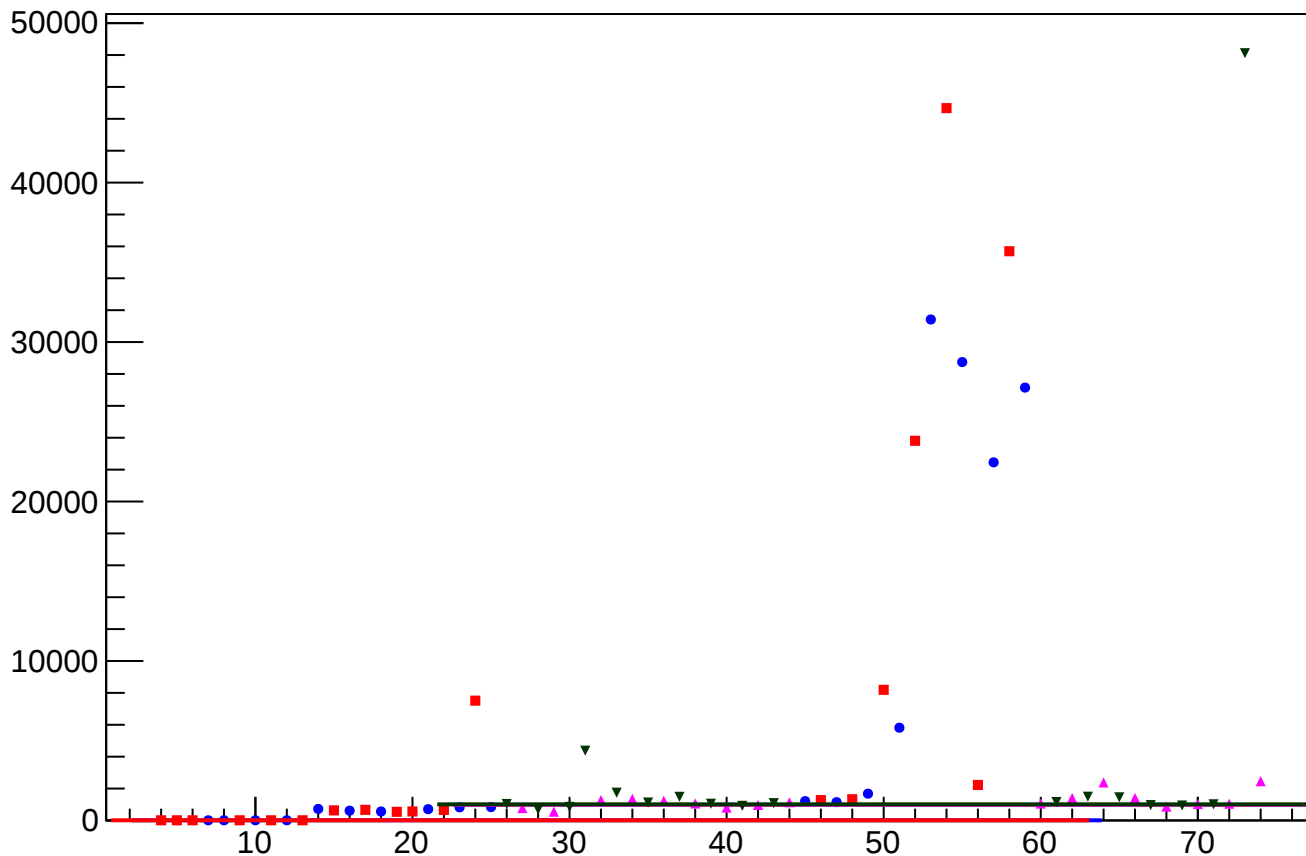
Right Out: 0.002 ± 0.005 χ^2/NDF : 20.3/18

Left In: 0.279 ± 0.528 χ^2/NDF : 6.8/16

-0.001 ± 0.006 χ^2/NDF : 33.6/34

0.002 ± 0.005 χ^2/NDF : 27.4/35

diff_cav4bY_rms vs slug



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

Left Out: 1009.241+/-0.429 χ^2/NDF : 1187865.6/16

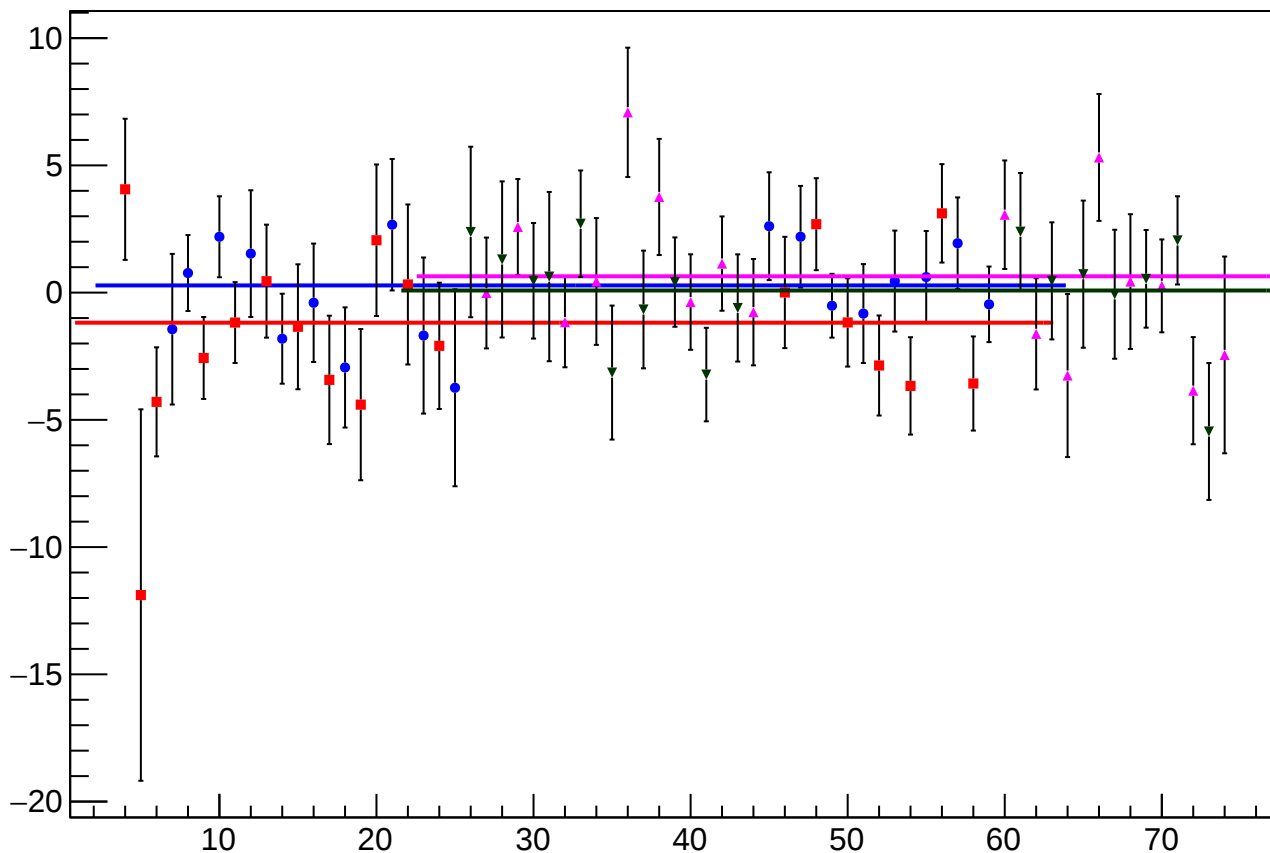
Right Out: 10.086+/-0.004 χ^2/NDF : 6750125.6/18

Left In: 978.627+/-0.373 χ^2/NDF : 572643.9/16

10.621+/-0.005 χ^2/NDF : 15564927.8/34

10.189+/-0.004 χ^2/NDF : 14053136.1/35

diff_cav4cX_mean vs slug



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

Left Out: 0.083 ± 0.552 $\chi^2/\text{NDF}: 13.9/16$

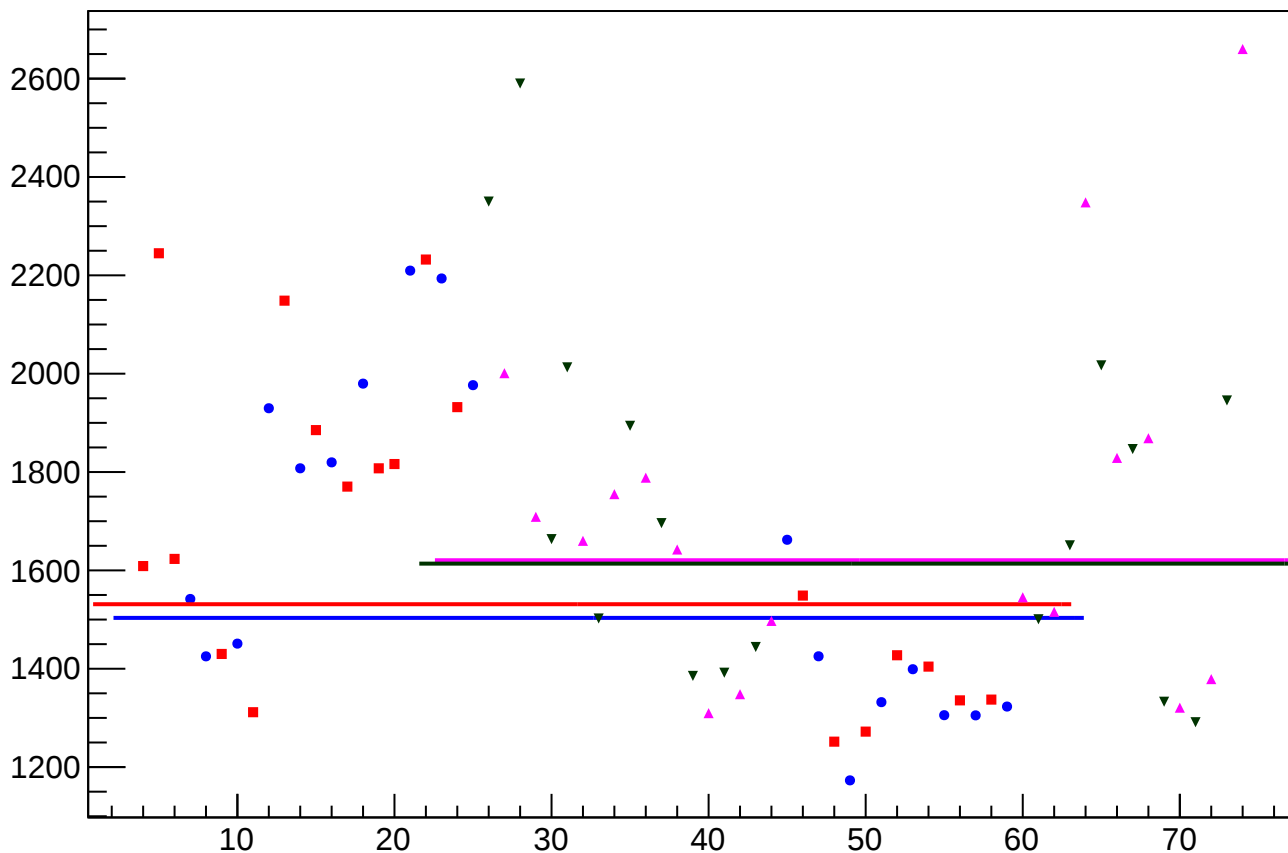
Right Out: -1.182 ± 0.494 $\chi^2/\text{NDF}: 26.5/18$

Left In: 0.641 ± 0.531 $\chi^2/\text{NDF}: 23.9/16$

0.202 ± 0.351 $\chi^2/\text{NDF}: 25.8/34$

-0.337 ± 0.362 $\chi^2/\text{NDF}: 56.8/35$

diff_cav4cX_rms vs slug



Right In: 1503.404 $\pm$ 0.322 χ^2 /NDF: 776769.4/17

Left Out: 1613.755 $\pm$ 0.390 χ^2 /NDF: 639448.4/16

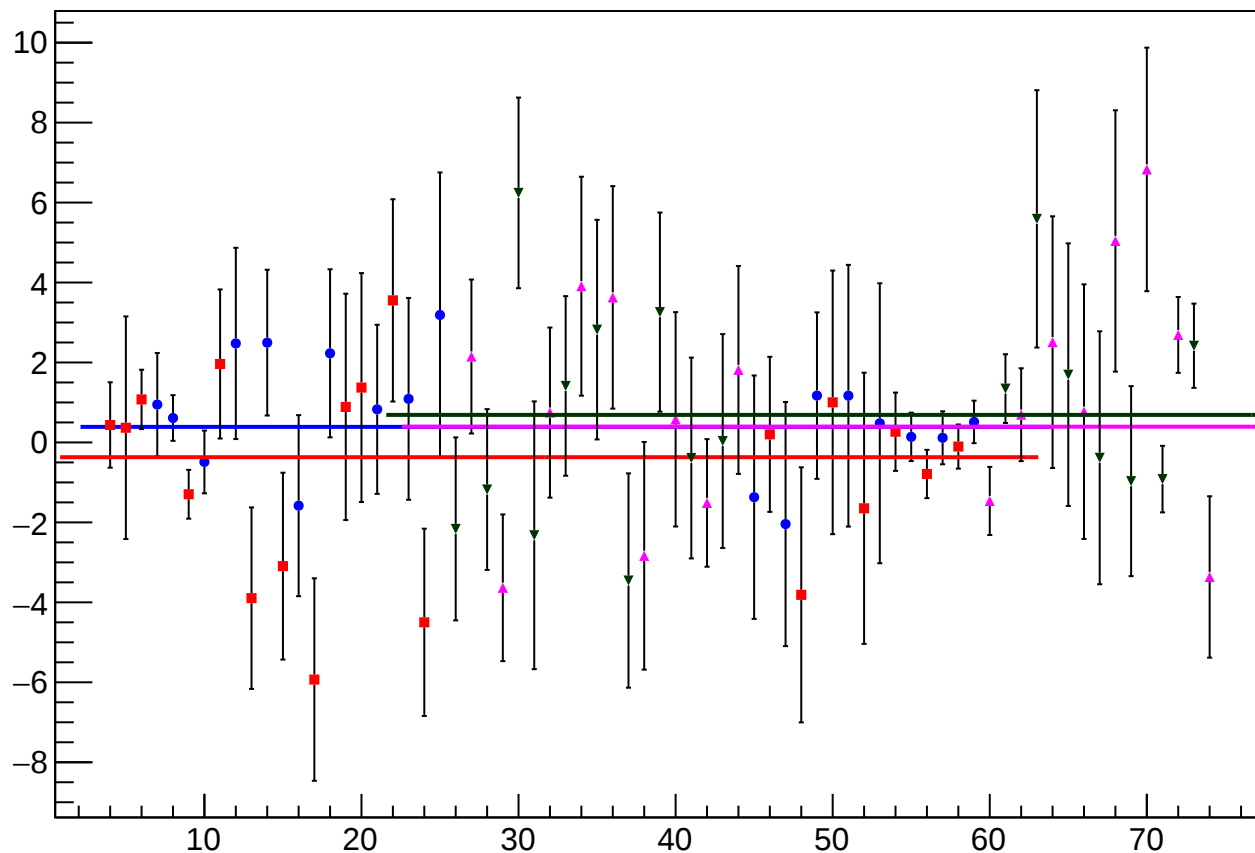
Right Out: 1531.211 $\pm$ 0.349 χ^2 /NDF: 621310.9/18

Left In: 1620.627 $\pm$ 0.375 χ^2 /NDF: 553020.7/16

1548.076 $\pm$ 0.248 χ^2 /NDF: 1463761.6/34

1572.663 $\pm$ 0.256 χ^2 /NDF: 1204751.5/35

diff_cav4cY_mean vs slug



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

Left Out: 0.689 ± 0.415 χ^2/NDF : 23.1/16

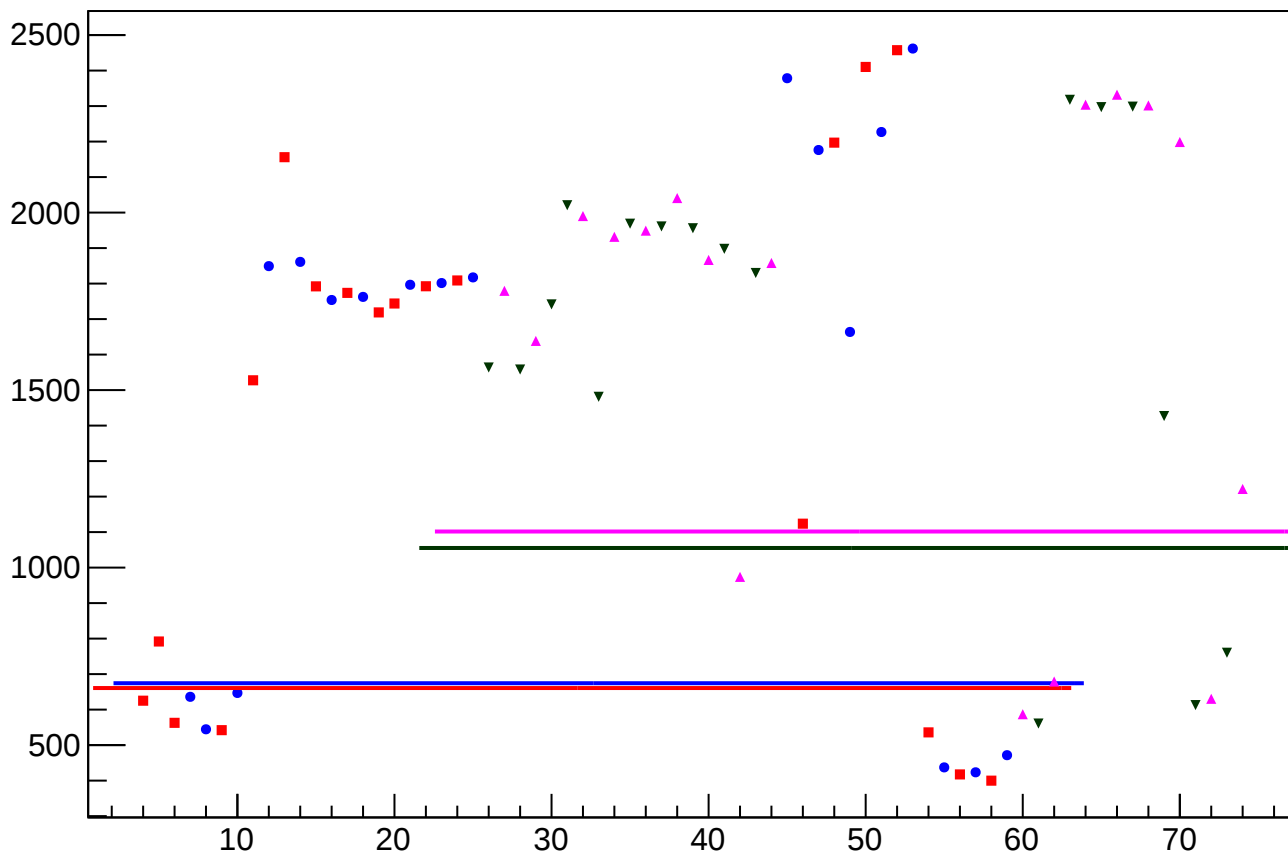
Right Out: -0.369 ± 0.263 χ^2/NDF : 25.7/18

Left In: 0.394 ± 0.418 χ^2/NDF : 32.8/16

0.470 ± 0.215 χ^2/NDF : 31.0/34

-0.153 ± 0.222 χ^2/NDF : 60.9/35

diff_cav4cY_rms vs slug



Right In: 674.323 $\pm$ 0.178 χ^2 /NDF: 7013232.4/17

Left Out: 1055.265 $\pm$ 0.294 χ^2 /NDF:4066174.3/16

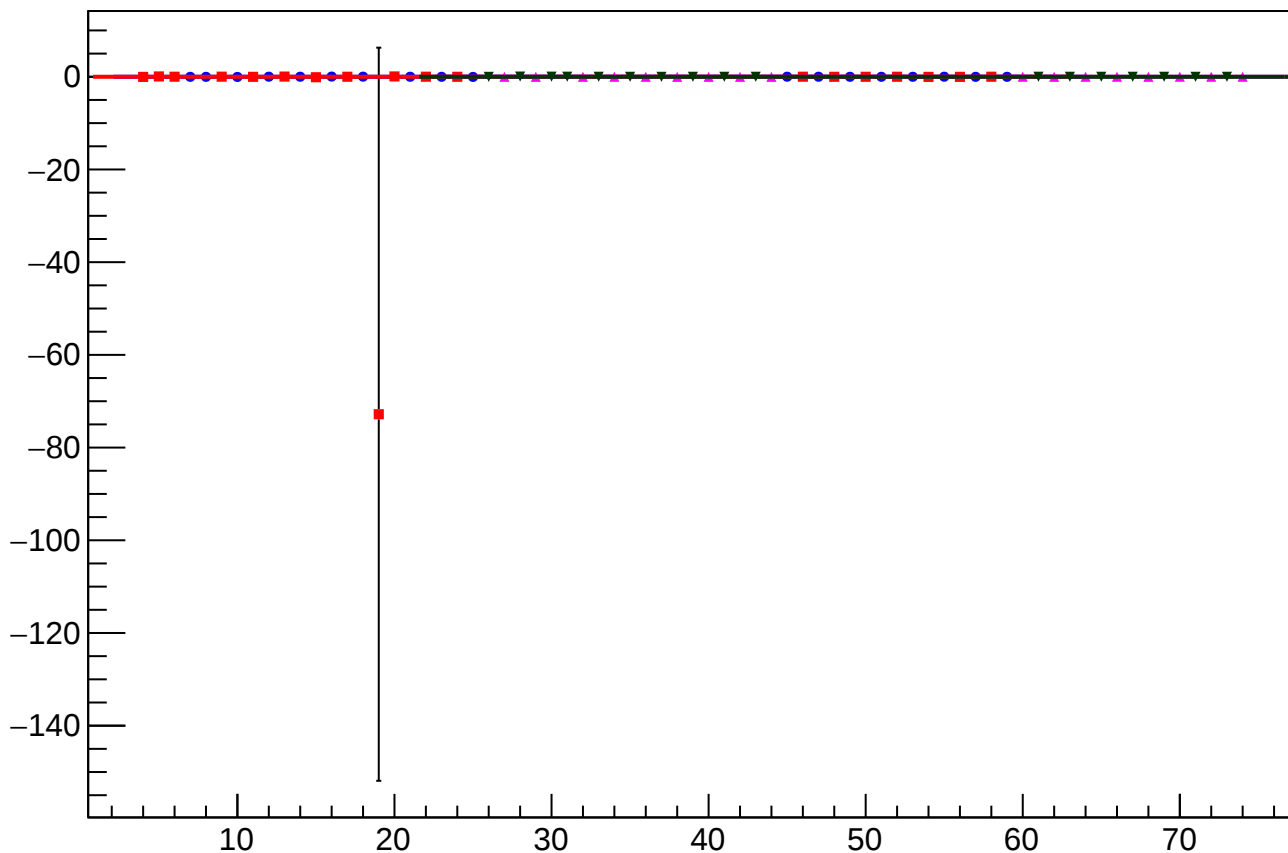
Right Out: 660.761 $\pm$ 0.186 χ^2 /NDF: 6222915.7/18

Left In: 1101.645 $\pm$ 0.295 χ^2 /NDF:4314511.1/16

776.513 $\pm$ 0.152 χ^2 /NDF: 12310363.7/34

785.600 $\pm$ 0.157 χ^2 /NDF: 12134246.9/35

diff_cav4dX_mean vs slug



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

Left Out: -0.000 ± 0.003 χ^2/NDF : 9.9/16

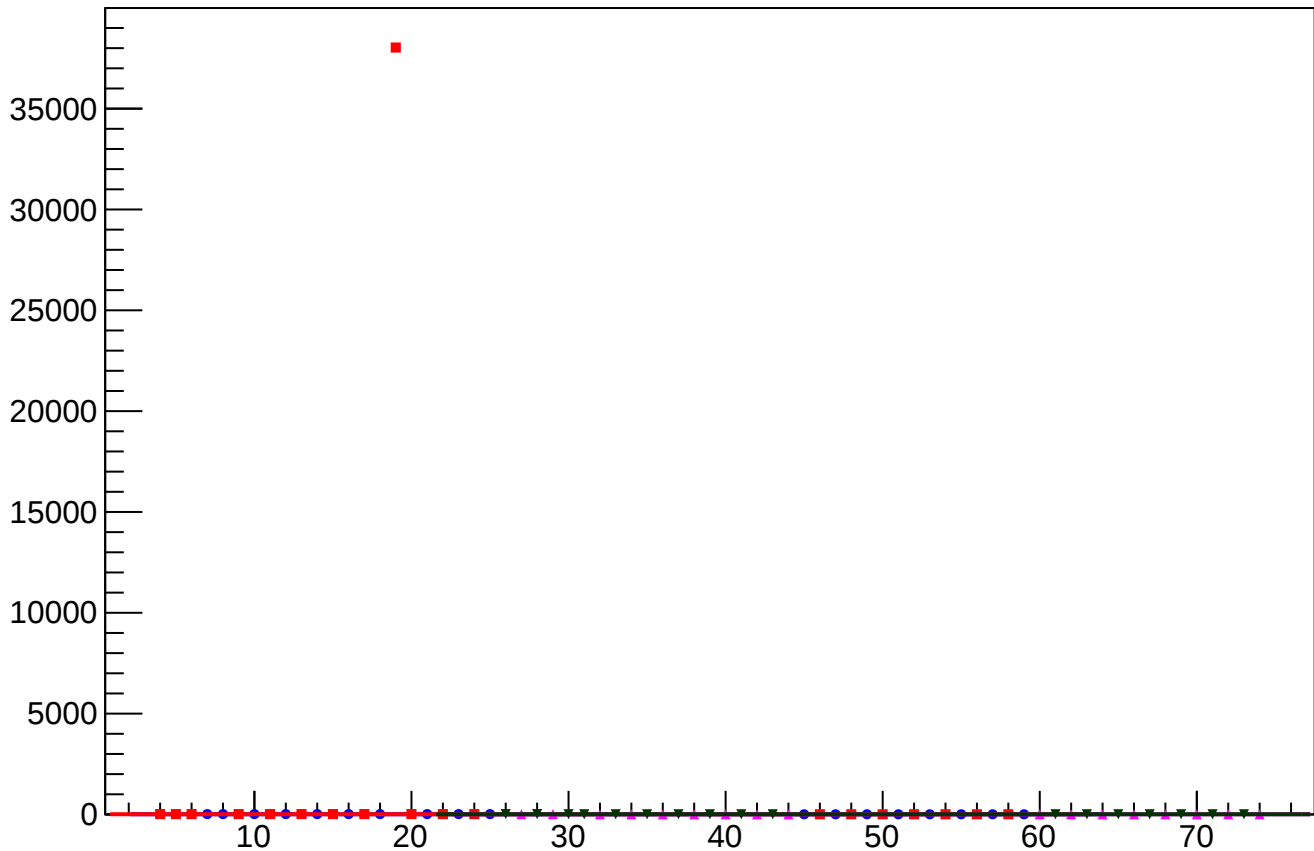
Right Out: 0.002 ± 0.004 χ^2/NDF : 20.0/18

Left In: 0.003 ± 0.003 χ^2/NDF : 8.6/16

-0.000 ± 0.002 χ^2/NDF : 21.8/34

0.003 ± 0.002 χ^2/NDF : 28.6/35

diff_cav4dX_rms vs slug



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

Left Out: 9.045+/-0.002 χ^2 /NDF: 614081.0/16

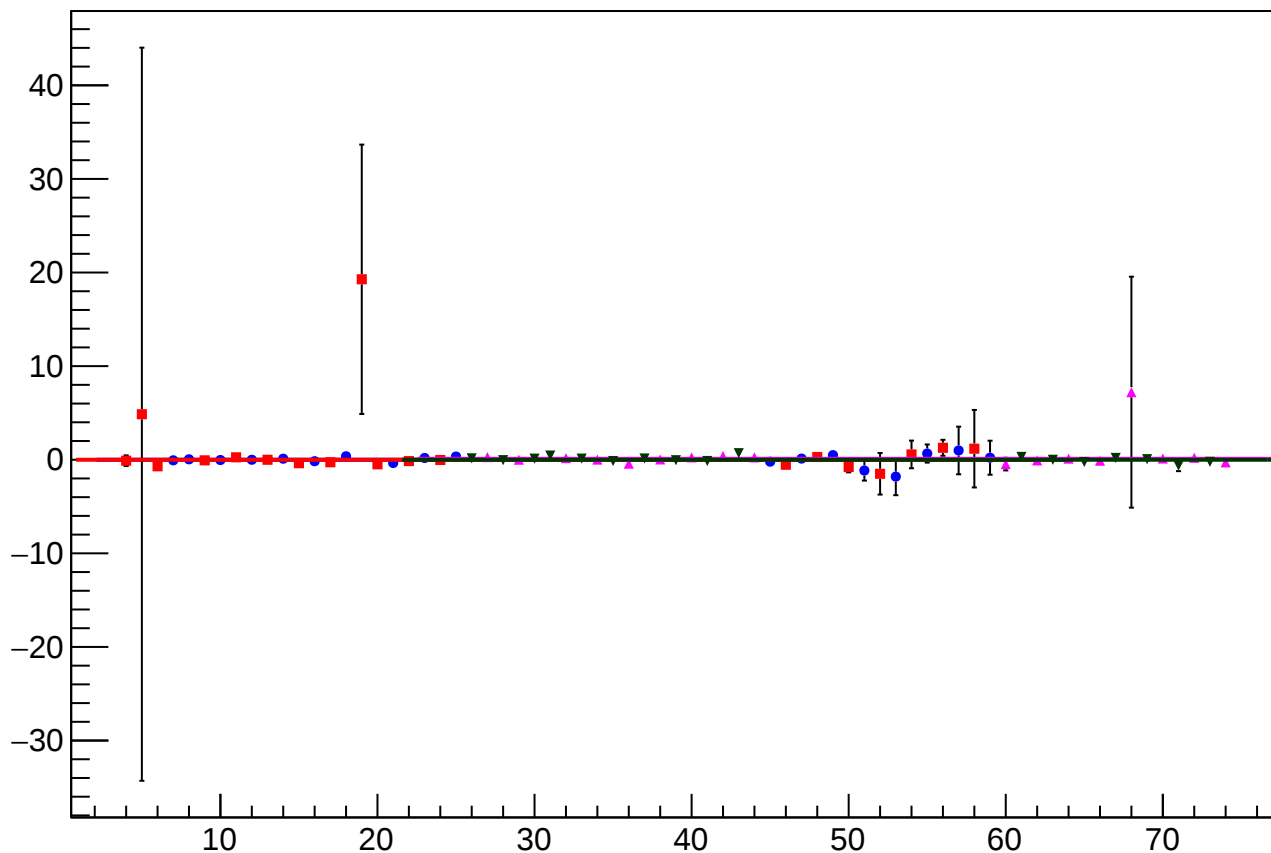
9.706+/-0.002 χ^2 /NDF: 2776454.9/34

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

9.762+/-0.002 χ^2 /NDF: 3359828.2/35

Left In: 9.049+/-0.002 χ^2 /NDF: 779981.6/16

diff_cav4dY_mean vs slug



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

Left Out: -0.002 ± 0.046 χ^2/NDF : 21.9/16

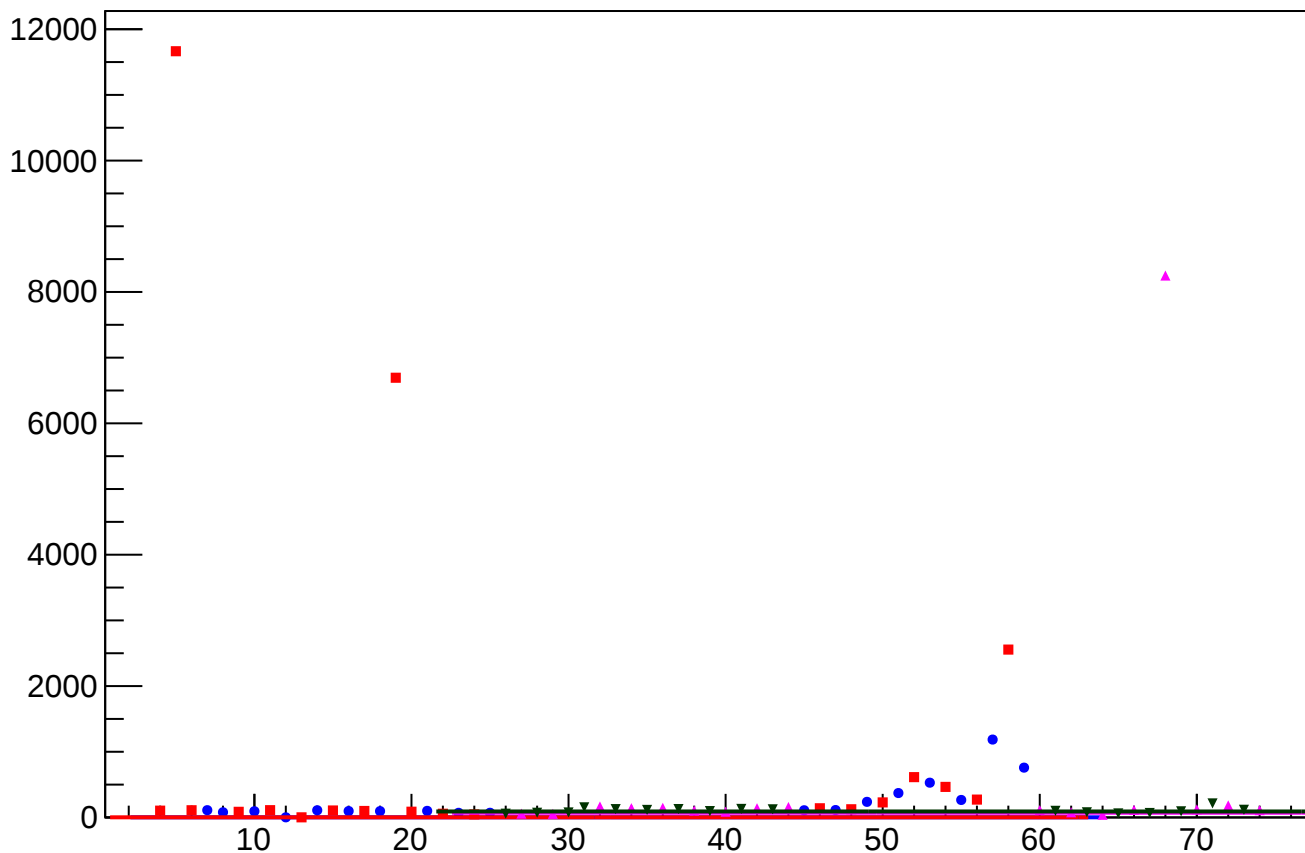
Right Out: -0.003 ± 0.003 χ^2/NDF : 21.1/18

Left In: 0.100 ± 0.037 χ^2/NDF : 15.2/16

-0.003 ± 0.003 χ^2/NDF : 42.8/34

-0.002 ± 0.003 χ^2/NDF : 43.8/35

diff_cav4dY_rms vs slug



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

Left Out: 91.030+/-0.032 χ^2/NDF : 734713.2/16

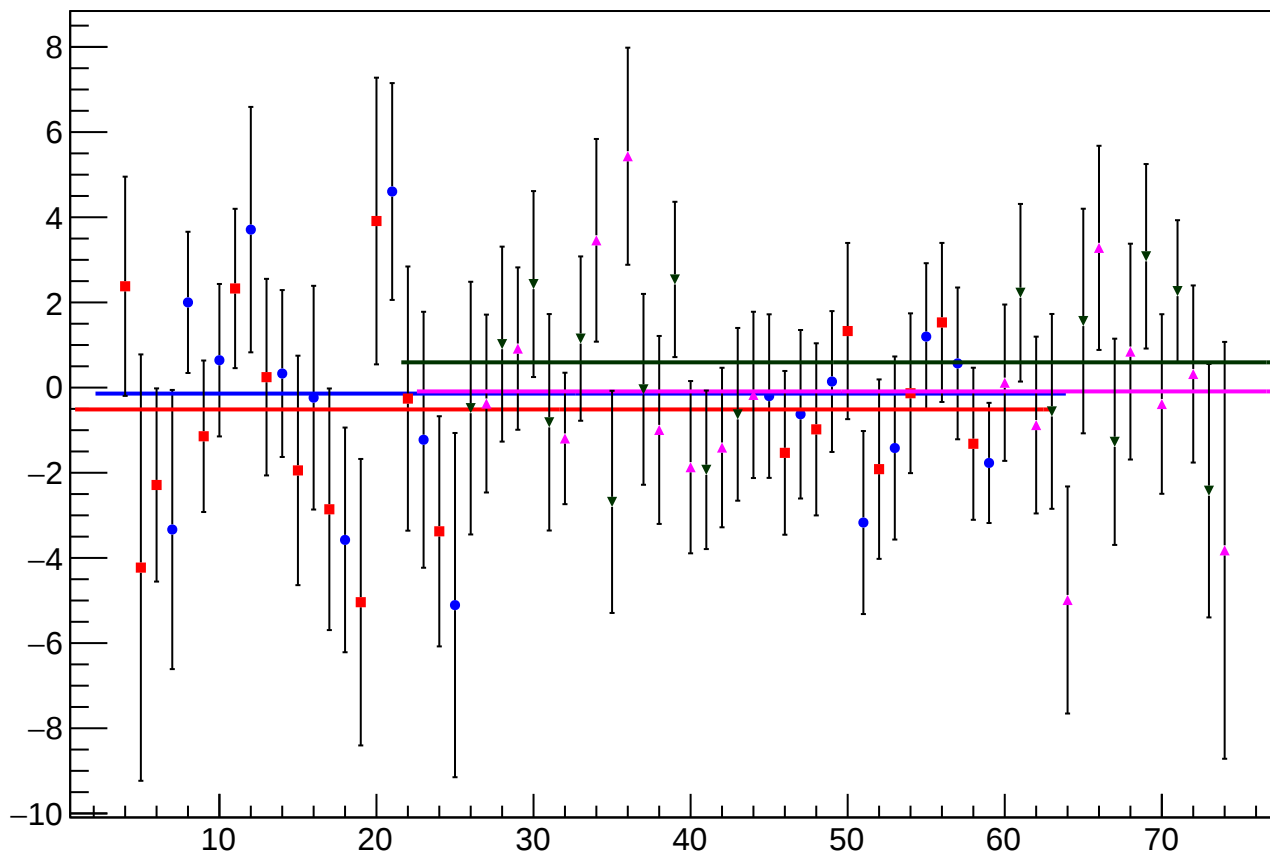
Right Out: 2.101+/-0.002 χ^2/NDF : 6716516.3/18

Left In: 71.405+/-0.026 χ^2/NDF : 2980079.3/16

2.618+/-0.002 χ^2/NDF : 17460985.5/34

2.550+/-0.002 χ^2/NDF : 16498494.7/35

diff_bpm4aX_mean vs slug



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

Left Out: 0.593 ± 0.532 $\chi^2/\text{NDF}: 11.2/16$

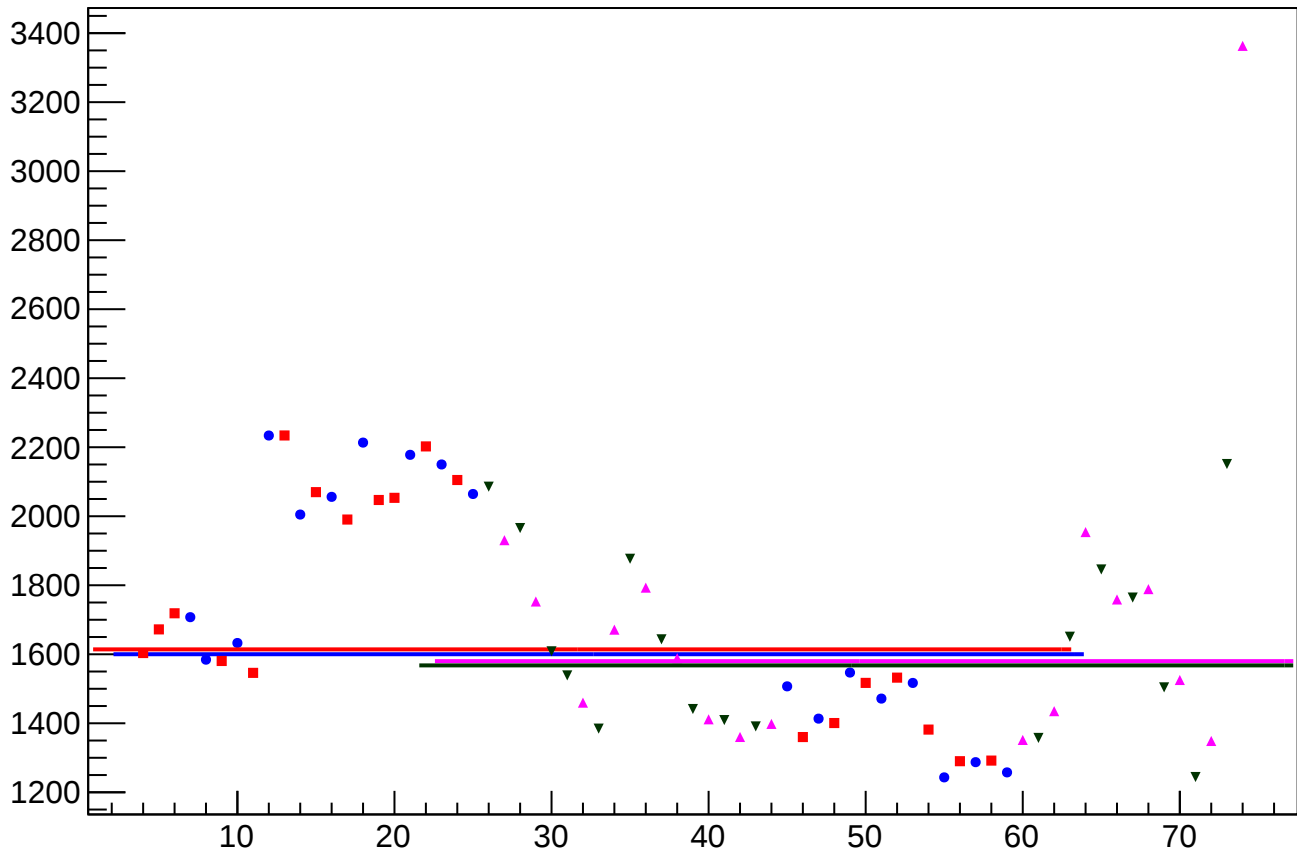
Right Out: -0.513 ± 0.519 $\chi^2/\text{NDF}: 13.6/18$

Left In: -0.090 ± 0.516 $\chi^2/\text{NDF}: 15.5/16$

0.193 ± 0.358 $\chi^2/\text{NDF}: 28.2/34$

-0.300 ± 0.366 $\chi^2/\text{NDF}: 29.4/35$

diff_bpm4aX_rms vs slug



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

Left Out: 1567.758+/-0.376 χ^2/NDF : 422629.6/16

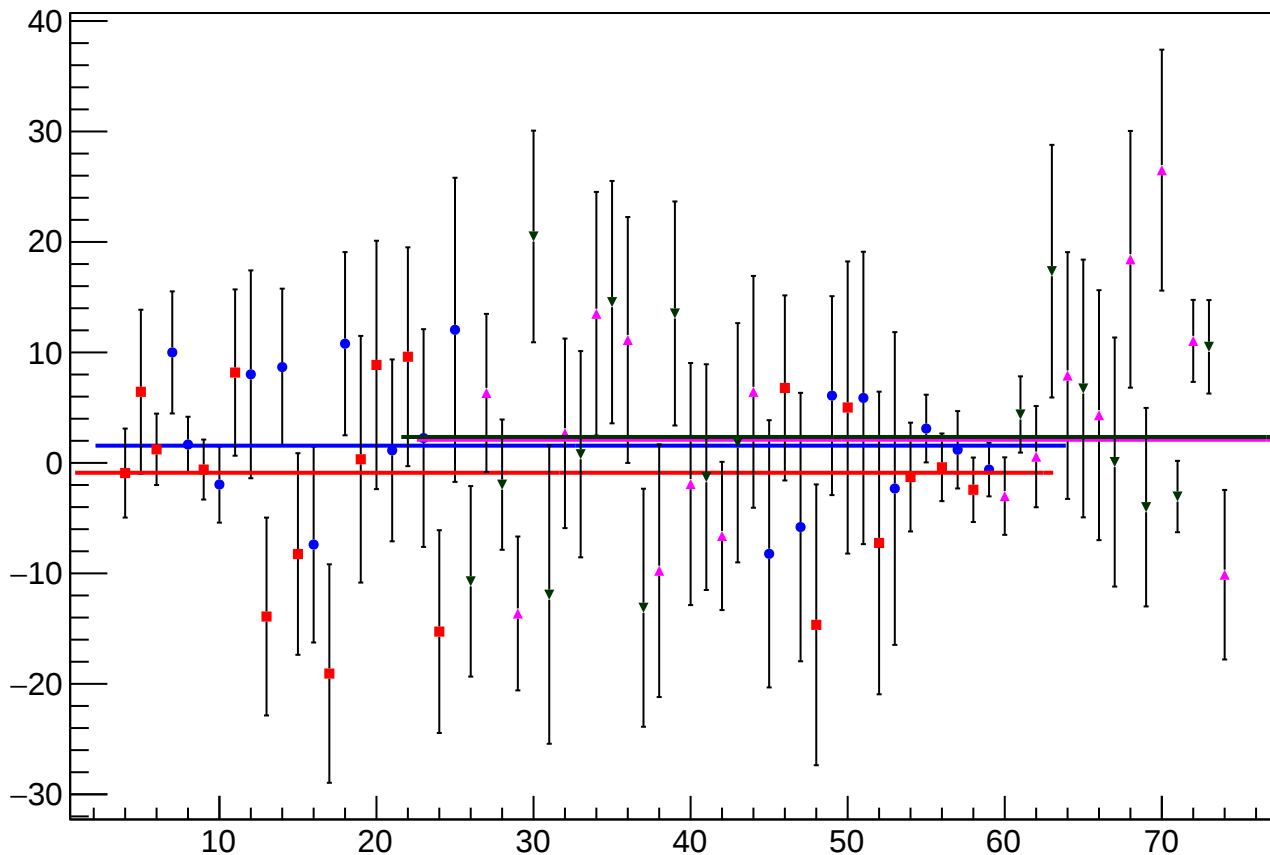
Right Out: 1614.182+/-0.367 χ^2/NDF : 670373.5/18

Left In: 1580.091+/-0.365 χ^2/NDF : 556893.0/16

1585.400+/-0.253 χ^2/NDF : 1276423.6/34

1597.054+/-0.259 χ^2/NDF : 1231602.4/35

diff_bpm4aY_mean vs slug



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

Left Out: 2.346 ± 1.610 χ^2/NDF : 21.5/16

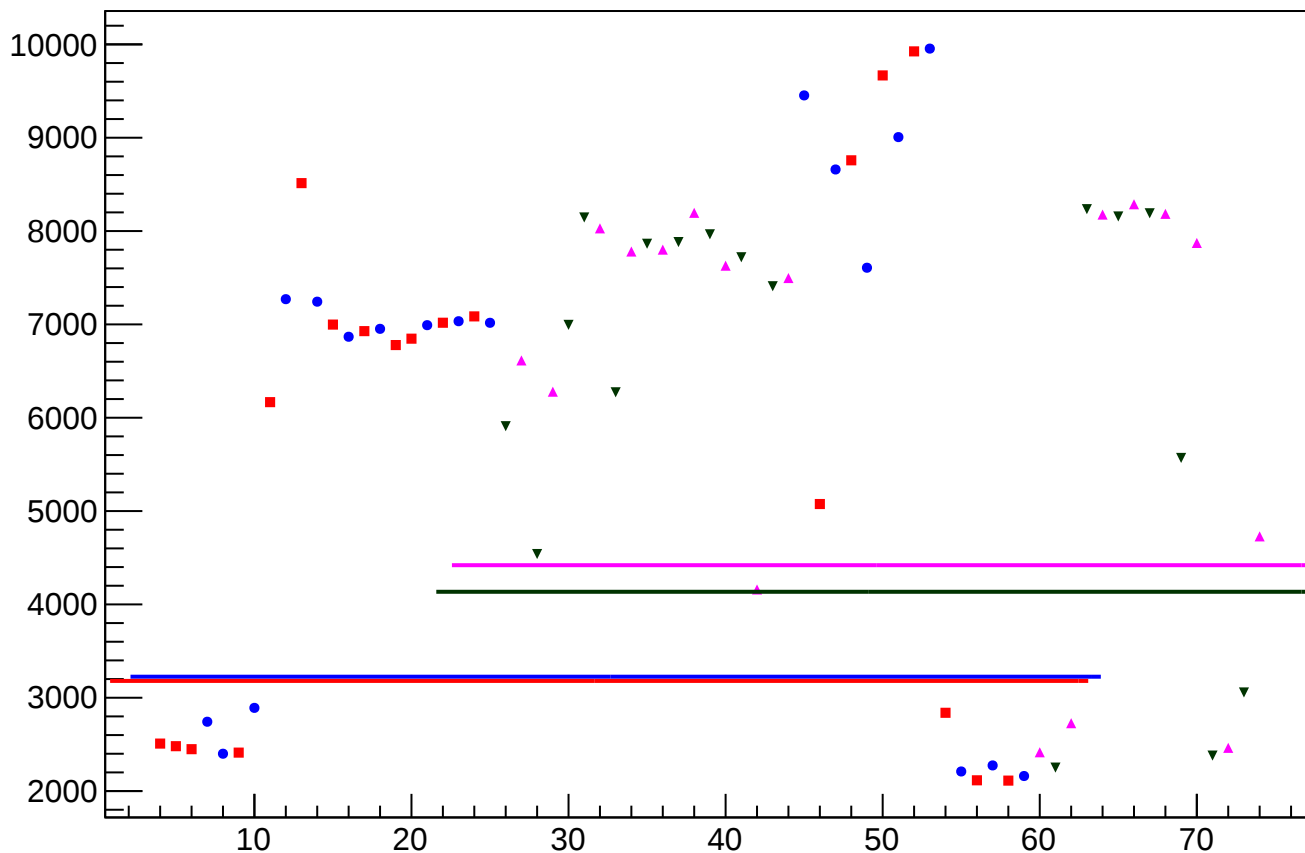
Right Out: -0.892 ± 1.197 χ^2/NDF : 16.1/18

Left In: 2.094 ± 1.650 χ^2/NDF : 28.1/16

1.825 ± 0.935 χ^2/NDF : 31.8/34

0.137 ± 0.969 χ^2/NDF : 46.3/35

diff_bpm4aY_rms vs slug



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

Left Out: 4135.258+/-1.139 χ^2/NDF :3861340.2/16

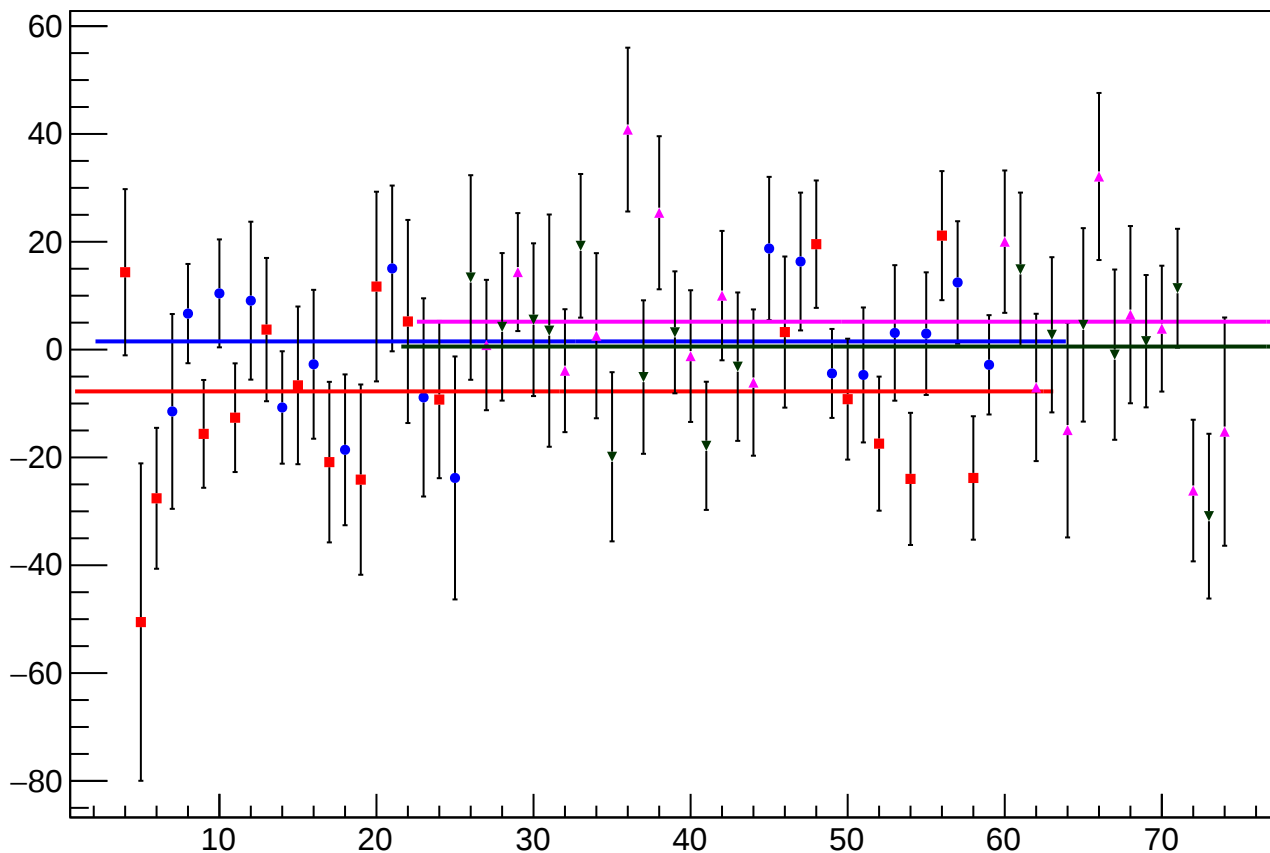
Right Out: 3180.260+/-0.846 χ^2/NDF : 5053490.5/18

Left In: 4420.065+/-1.167 χ^2/NDF :3974119.6/16

3532.117+/-0.661 χ^2/NDF : 10145460.8/34

3607.654+/-0.685 χ^2/NDF : 9767640.0/35

diff_bpm4eX_mean vs slug



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

Left Out: 0.565 ± 3.408 χ^2/NDF : 13.3/16

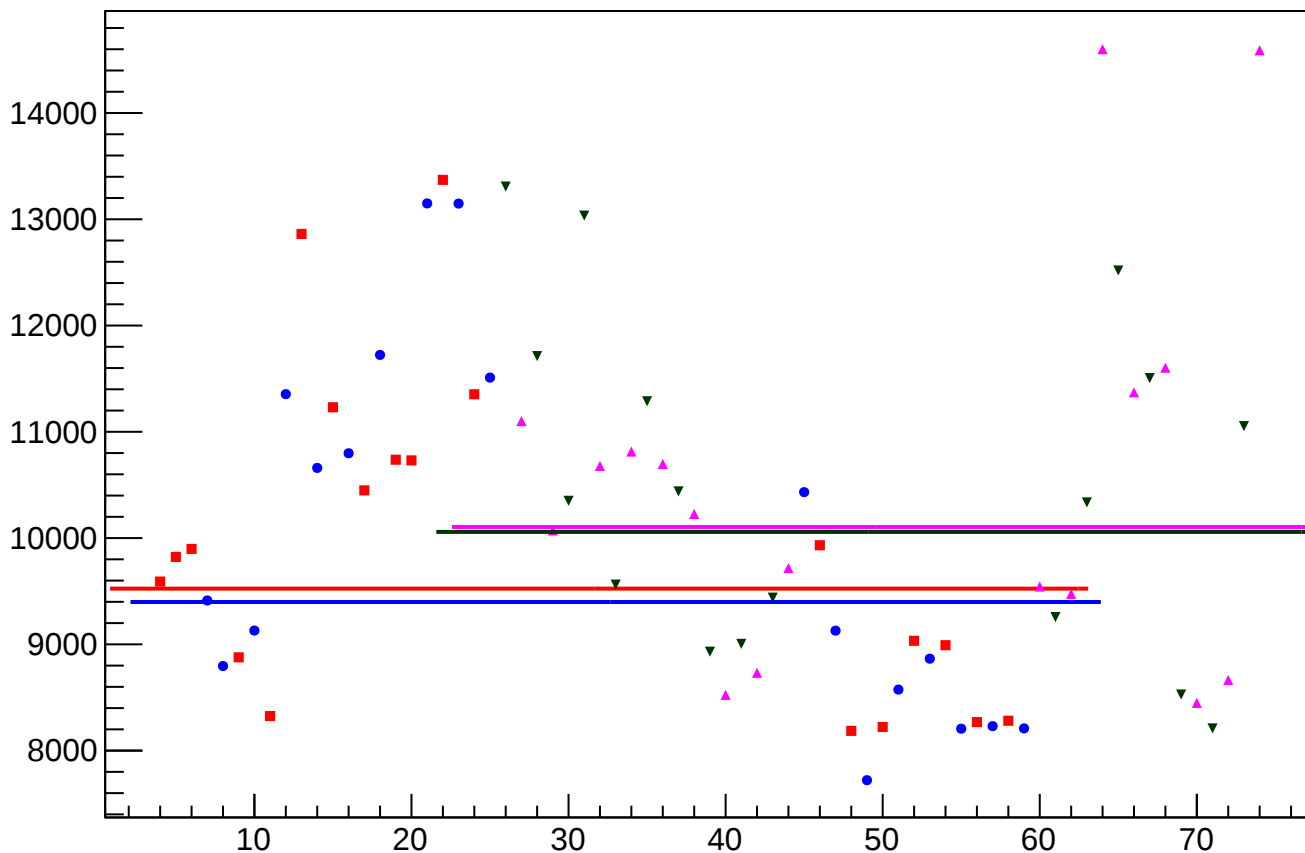
Right Out: -7.752 ± 3.046 χ^2/NDF : 27.5/18

Left In: 5.177 ± 3.290 χ^2/NDF : 22.9/16

1.131 ± 2.178 χ^2/NDF : 26.1/34

-1.786 ± 2.235 χ^2/NDF : 58.7/35

diff_bpm4eX_rms vs slug



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

Left Out: 10057.973 $\pm$ 2.410 χ^2 /NDF: 340395.2/16

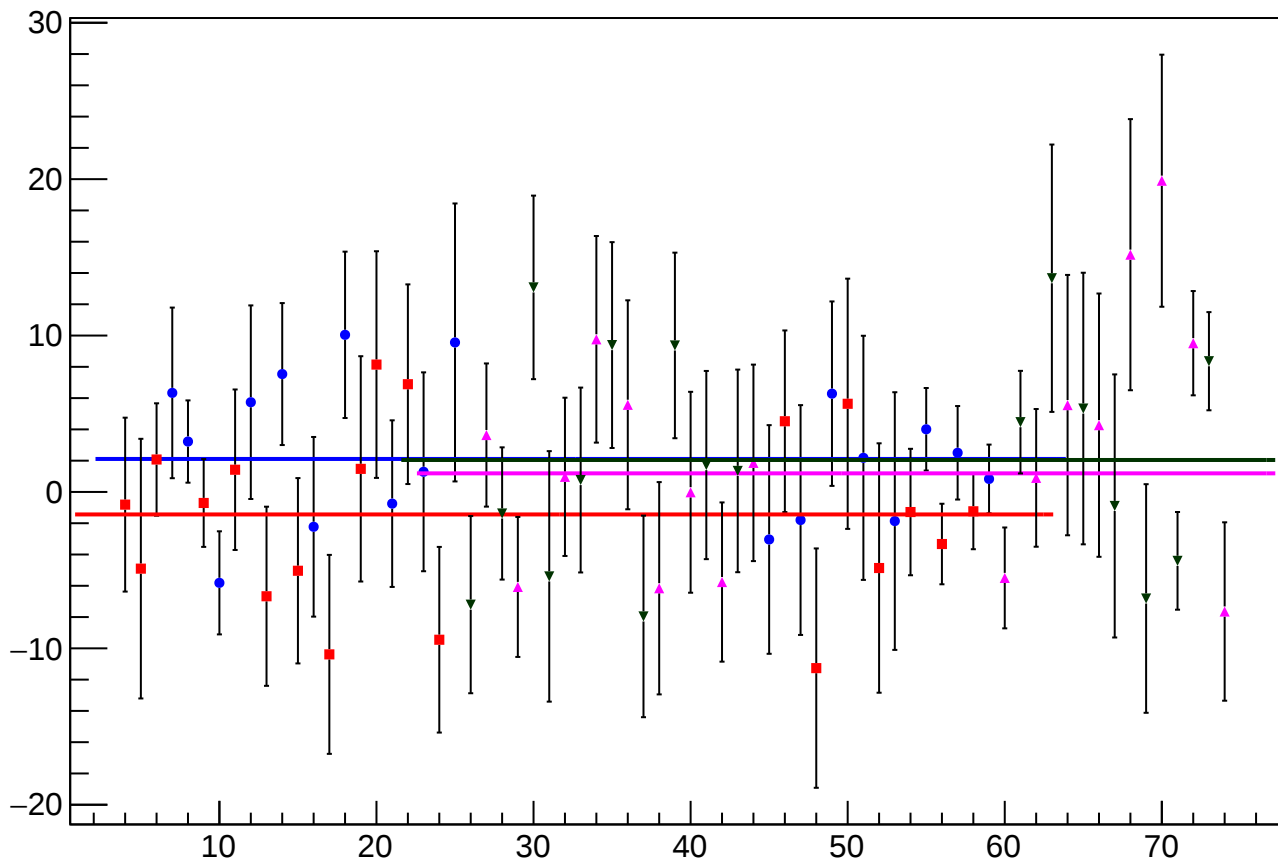
Right Out: 9524.317 $\pm$ 2.154 χ^2 /NDF: 440161.2/18

Left In: 10104.658 $\pm$ 2.327 χ^2 /NDF: 381187.0/16

9667.817 $\pm$ 1.540 χ^2 /NDF: 939577.4/34

9792.104 $\pm$ 1.580 χ^2 /NDF: 854856.4/35

diff_bpm4eY_mean vs slug



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

Left Out: 2.044 ± 1.246 χ^2/NDF : 25.4/16

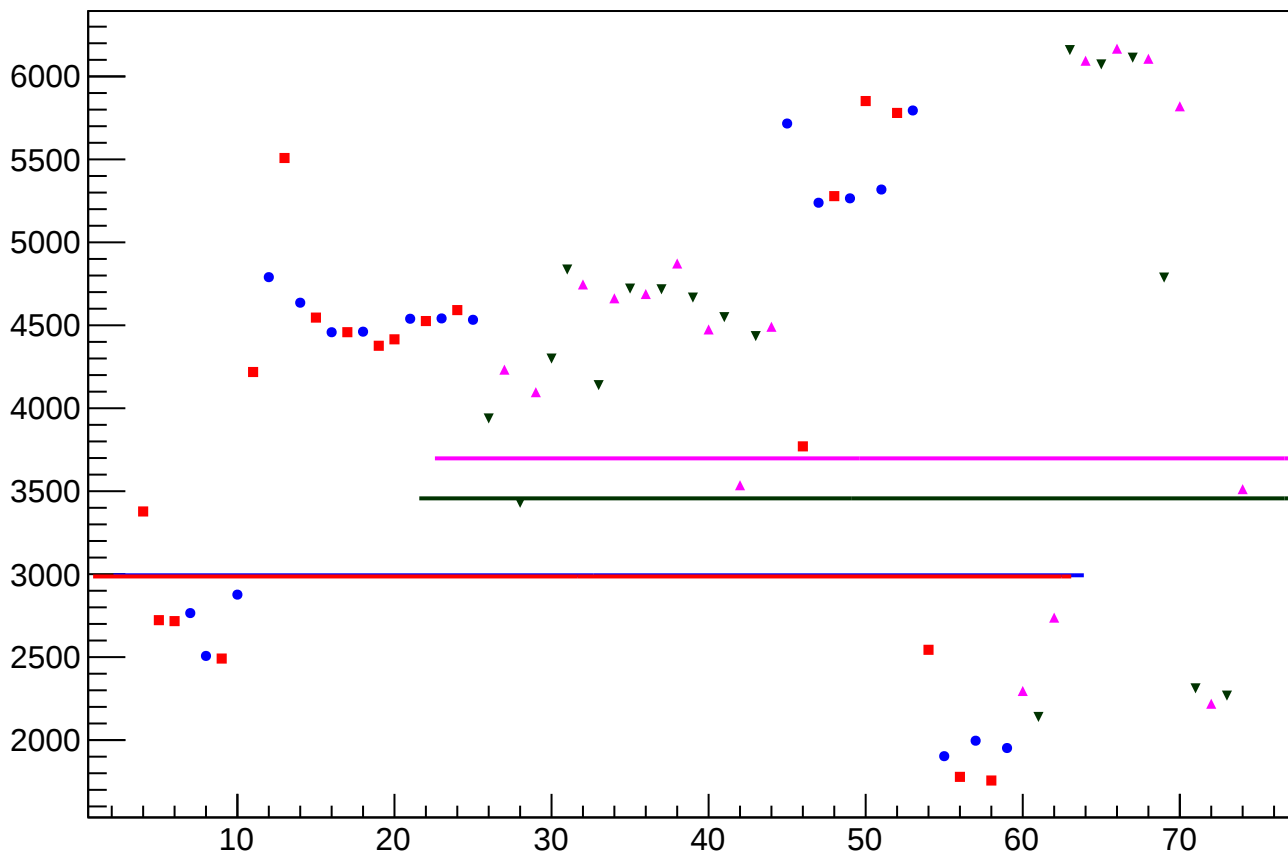
2.085 ± 0.770 χ^2/NDF : 39.9/34

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

-0.385 ± 0.805 χ^2/NDF : 46.4/35

Left In: 1.189 ± 1.272 χ^2/NDF : 29.5/16

diff_bpm4eY_rms vs slug



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

Left Out: 3456.890 $\pm$ 0.881 χ^2 /NDF:2012359.0/16

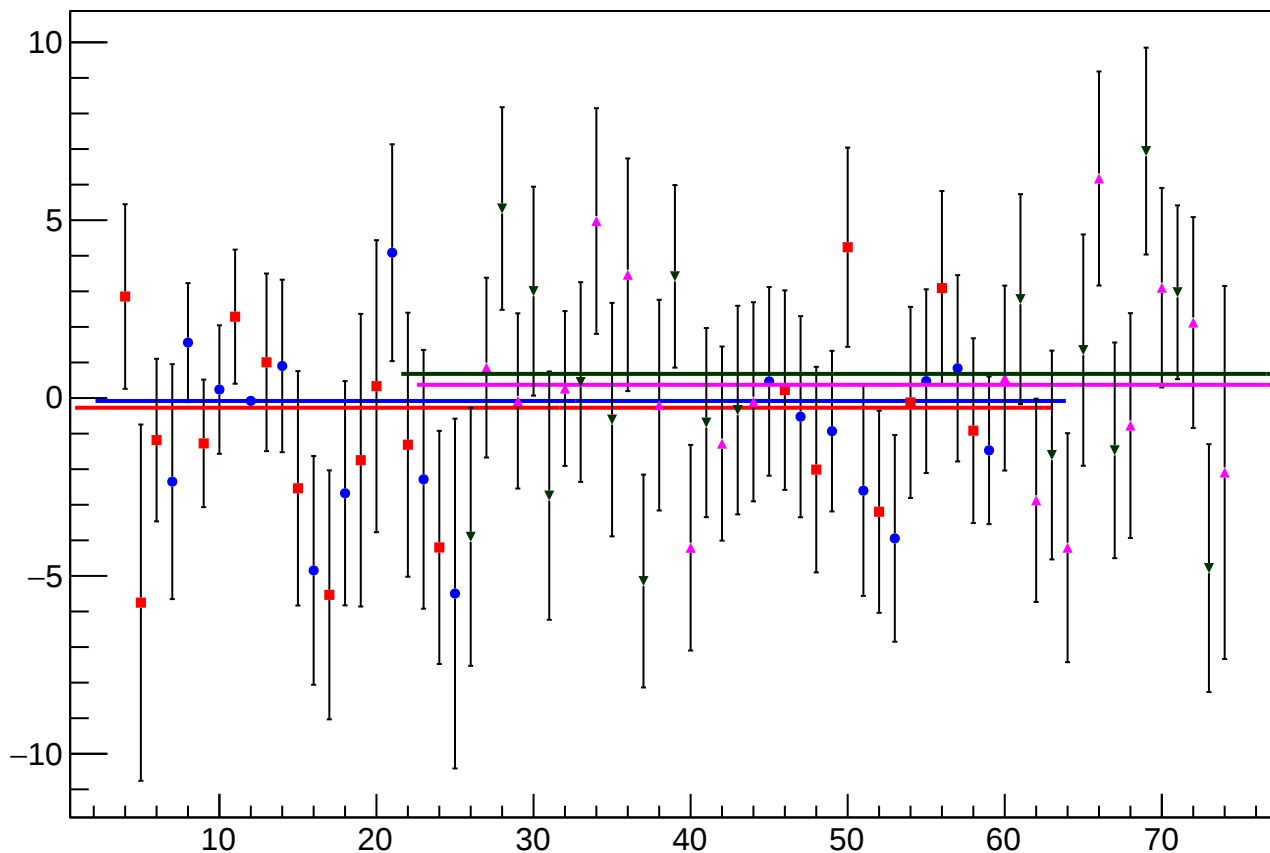
Right Out: 2986.116 $\pm$ 0.736 χ^2 /NDF: 2945634.2/18

Left In: 3697.935 $\pm$ 0.900 χ^2 /NDF:1838496.4/16

3170.240 $\pm$ 0.544 χ^2 /NDF: 5501712.2/34

3271.272 $\pm$ 0.569 χ^2 /NDF: 5159276.4/35

diff_bpm4acX_mean vs slug



Right In: -0.082 ± 0.060 $\chi^2/\text{NDF}: 11.3/17$

Left Out: 0.680 ± 0.718 $\chi^2/\text{NDF}: 21.0/16$

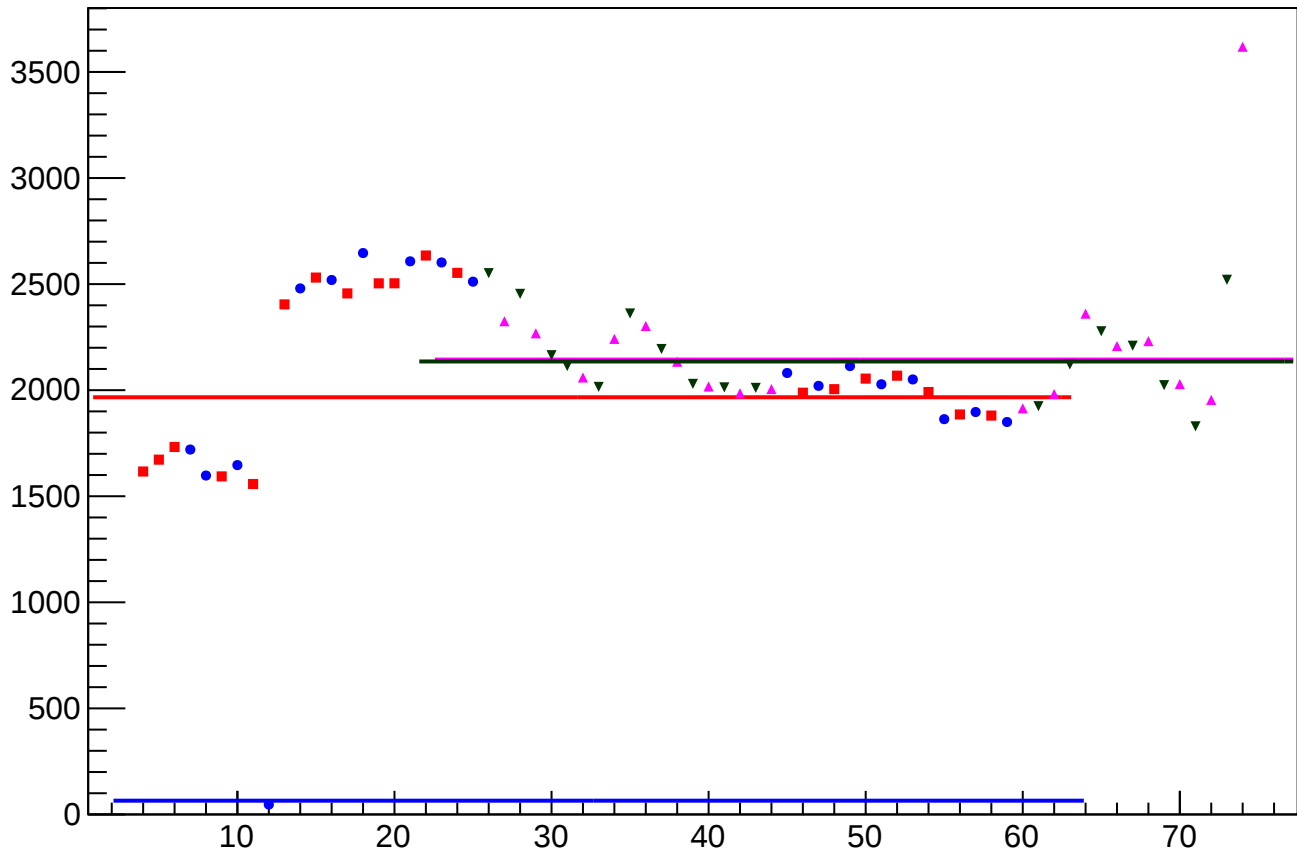
Right Out: -0.272 ± 0.631 $\chi^2/\text{NDF}: 15.3/18$

Left In: 0.373 ± 0.694 $\chi^2/\text{NDF}: 14.7/16$

-0.076 ± 0.060 $\chi^2/\text{NDF}: 33.4/34$

0.020 ± 0.467 $\chi^2/\text{NDF}: 30.4/35$

diff_bpm4acX_rms vs slug



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

Left Out: 2135.354+/-0.508 χ^2/NDF :150827.9/16

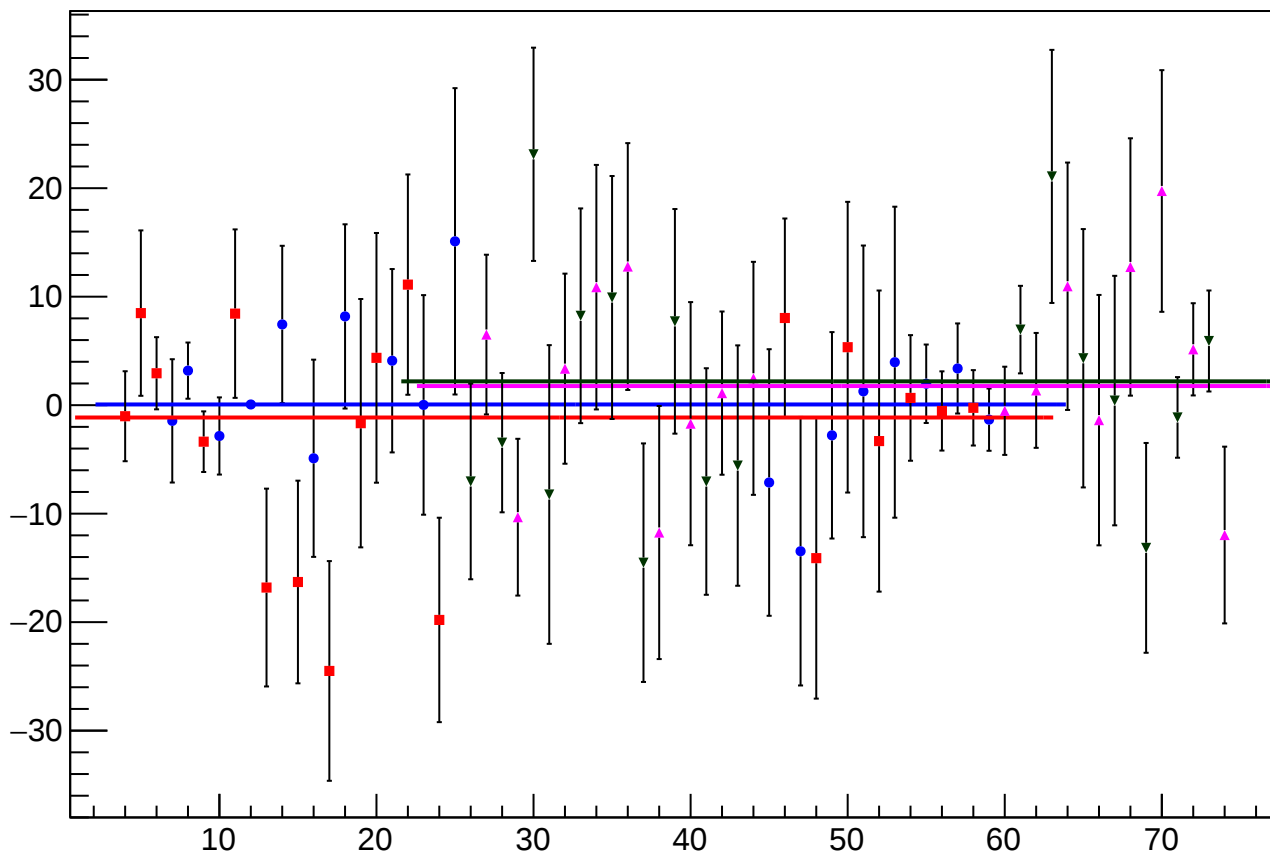
Right Out: 1966.634+/-0.446 χ^2/NDF : 610680.3/18

Left In: 2144.313+/-0.491 χ^2/NDF :243810.3/16

79.302+/-0.042 χ^2/NDF : 36935499.7/34

2047.073+/-0.330 χ^2/NDF : 926232.9/35

diff_bpm4acY_mean vs slug



Right In: 0.065 ± 0.052 $\chi^2/\text{NDF}: 8.7/17$

Left Out: 2.196 ± 1.773 $\chi^2/\text{NDF}: 19.7/16$

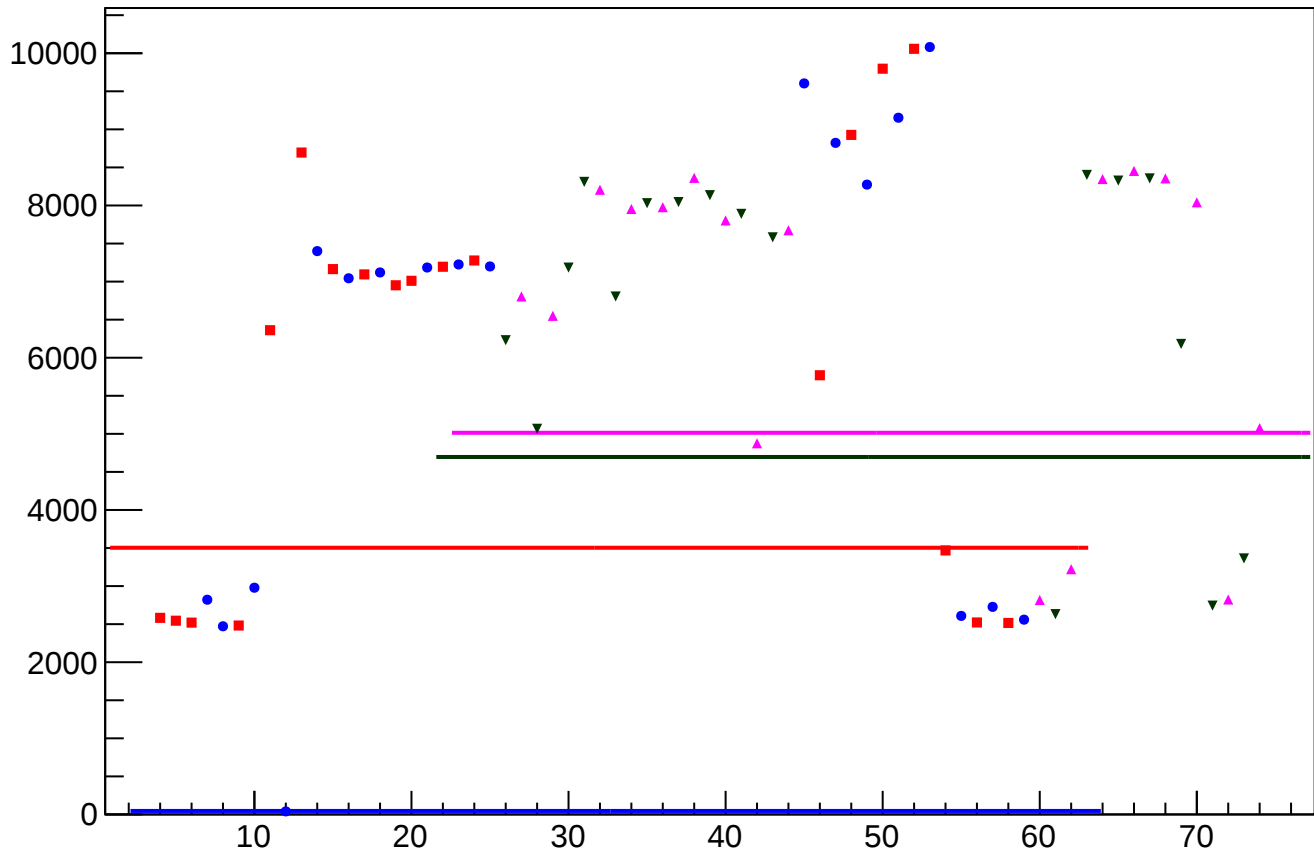
Right Out: -1.137 ± 1.295 $\chi^2/\text{NDF}: 24.2/18$

Left In: 1.762 ± 1.811 $\chi^2/\text{NDF}: 14.3/16$

0.067 ± 0.052 $\chi^2/\text{NDF}: 29.8/34$

-0.156 ± 1.054 $\chi^2/\text{NDF}: 40.2/35$

diff_bpm4acY_rms vs slug



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

Left Out: 4696.142+/-1.254 χ^2/NDF : 3205146.8/16

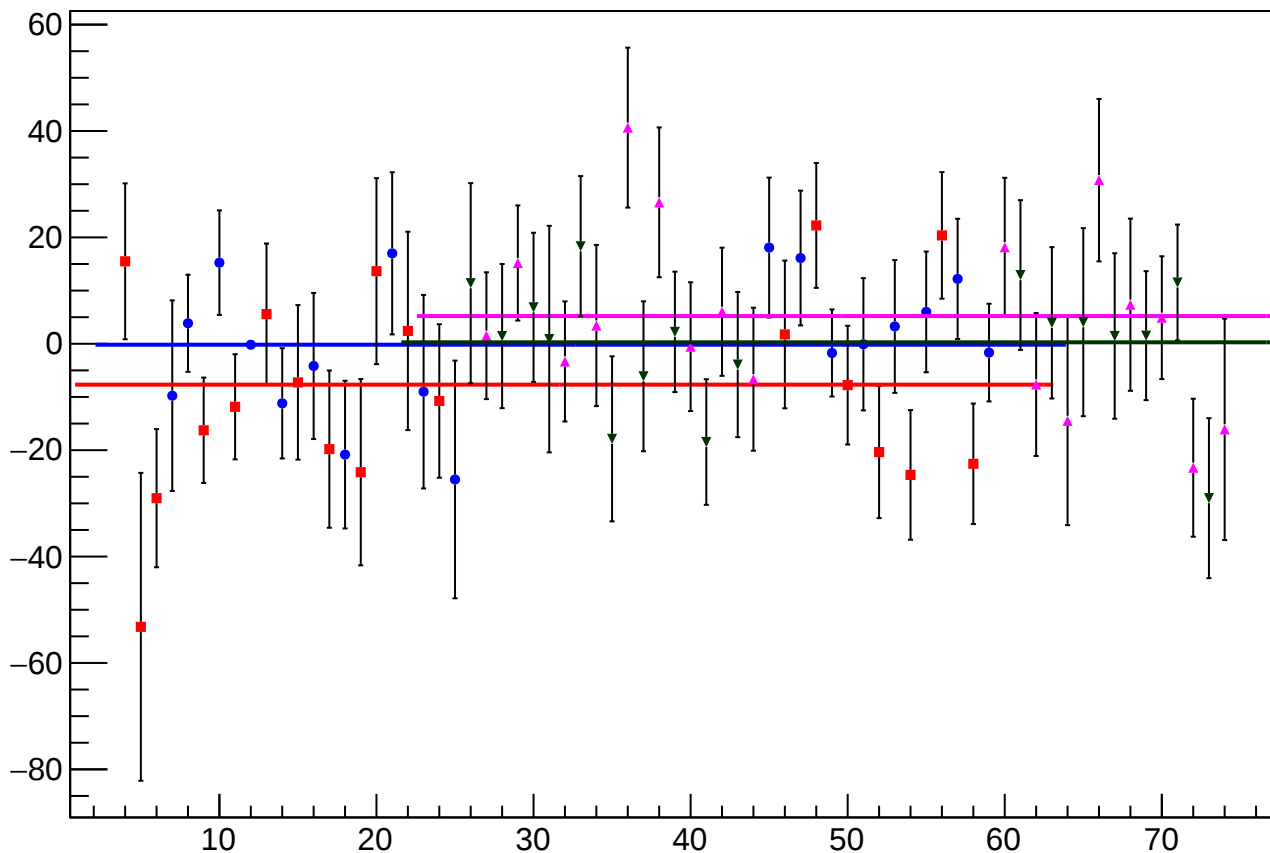
50.264+/-0.037 χ^2/NDF : 37121020.6/34

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

4014.823+/-0.745 χ^2/NDF : 8748480.2/35

Left In: 5014.090+/-1.281 χ^2/NDF : 3158492.8/16

diff_bpm4ecX_mean vs slug



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

Left Out: 0.277 ± 3.374 $\chi^2/\text{NDF}: 12.5/16$

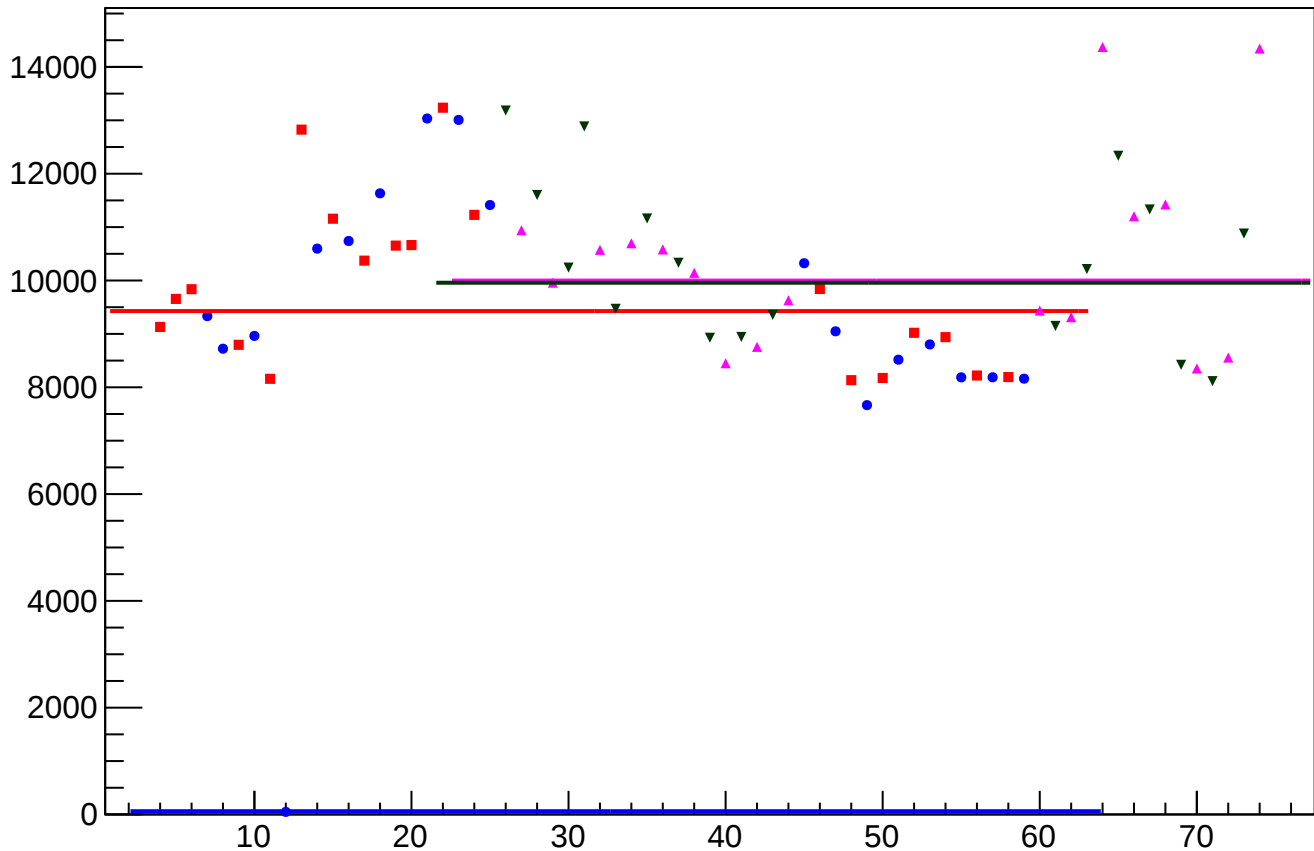
Right Out: -7.679 ± 3.015 $\chi^2/\text{NDF}: 30.2/18$

Left In: 5.210 ± 3.255 $\chi^2/\text{NDF}: 22.0/16$

-0.173 ± 0.106 $\chi^2/\text{NDF}: 26.9/34$

-1.726 ± 2.212 $\chi^2/\text{NDF}: 60.7/35$

diff_bpm4ecX_rms vs slug



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

Left Out: 9958.229+/-2.386 χ^2 /NDF:334265.9/16

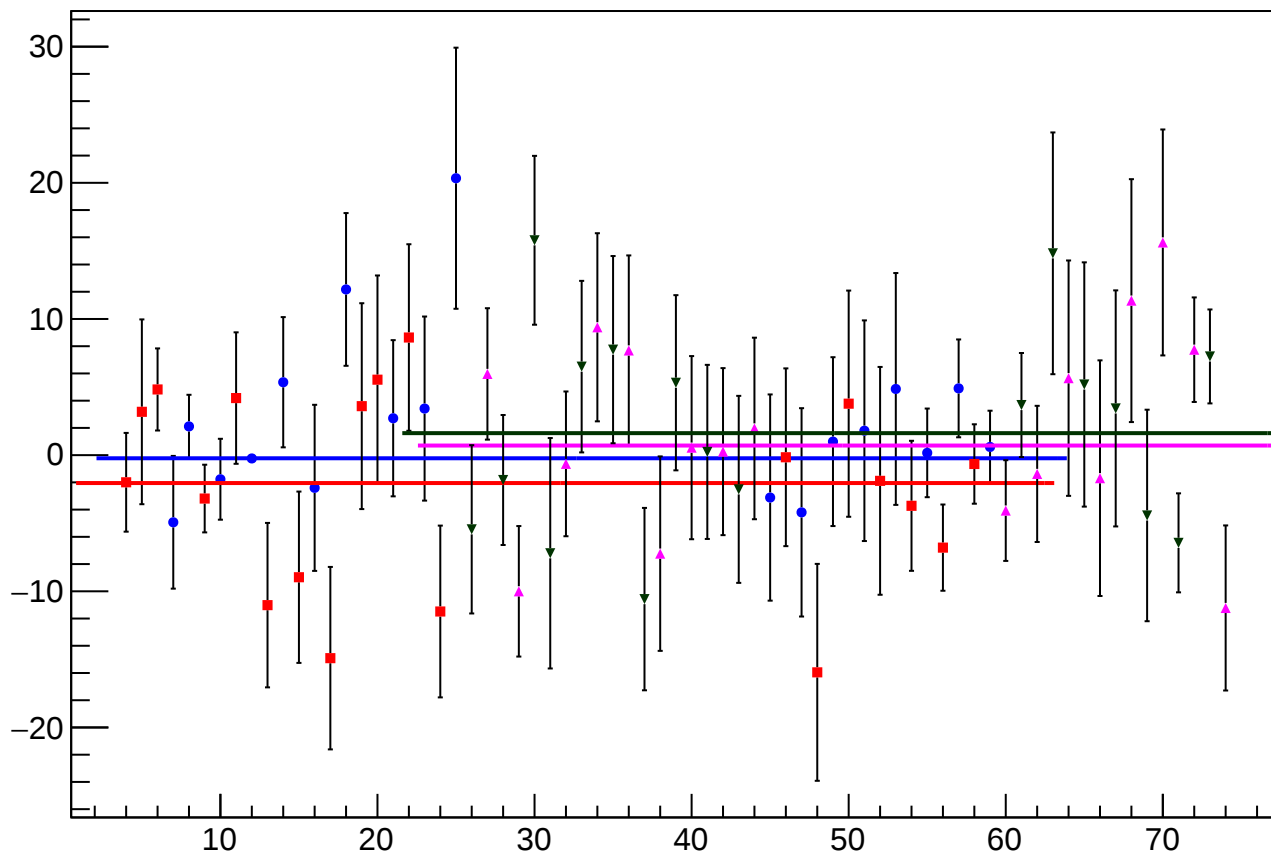
Right Out: 9427.549+/-2.132 χ^2 /NDF: 447350.4/18

Left In: 9999.022+/-2.302 χ^2 /NDF:369689.6/16

70.586+/-0.075 χ^2 /NDF: 38651133.3/34

9691.491+/-1.564 χ^2 /NDF: 850216.1/35

diff_bpm4ecY_mean vs slug



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

Left Out: 1.616 ± 1.371 χ^2/NDF : 24.5/16

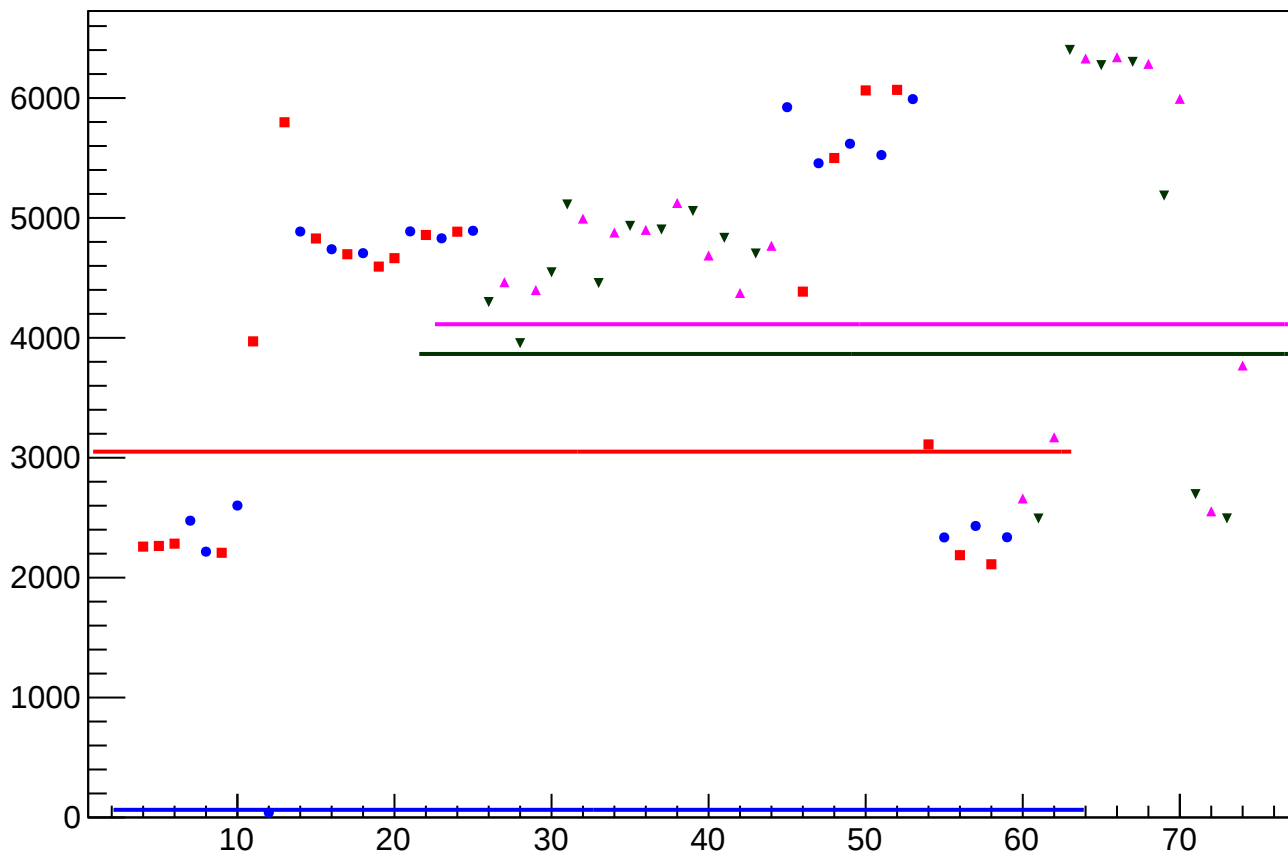
Right Out: -2.049 ± 1.055 χ^2/NDF : 27.2/18

Left In: 0.705 ± 1.392 χ^2/NDF : 24.2/16

-0.222 ± 0.090 χ^2/NDF : 43.1/34

-1.044 ± 0.841 χ^2/NDF : 53.9/35

diff_bpm4ecY_rms vs slug



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

Left Out: 3865.602+/-0.970 χ^2/NDF :1640306.4/16

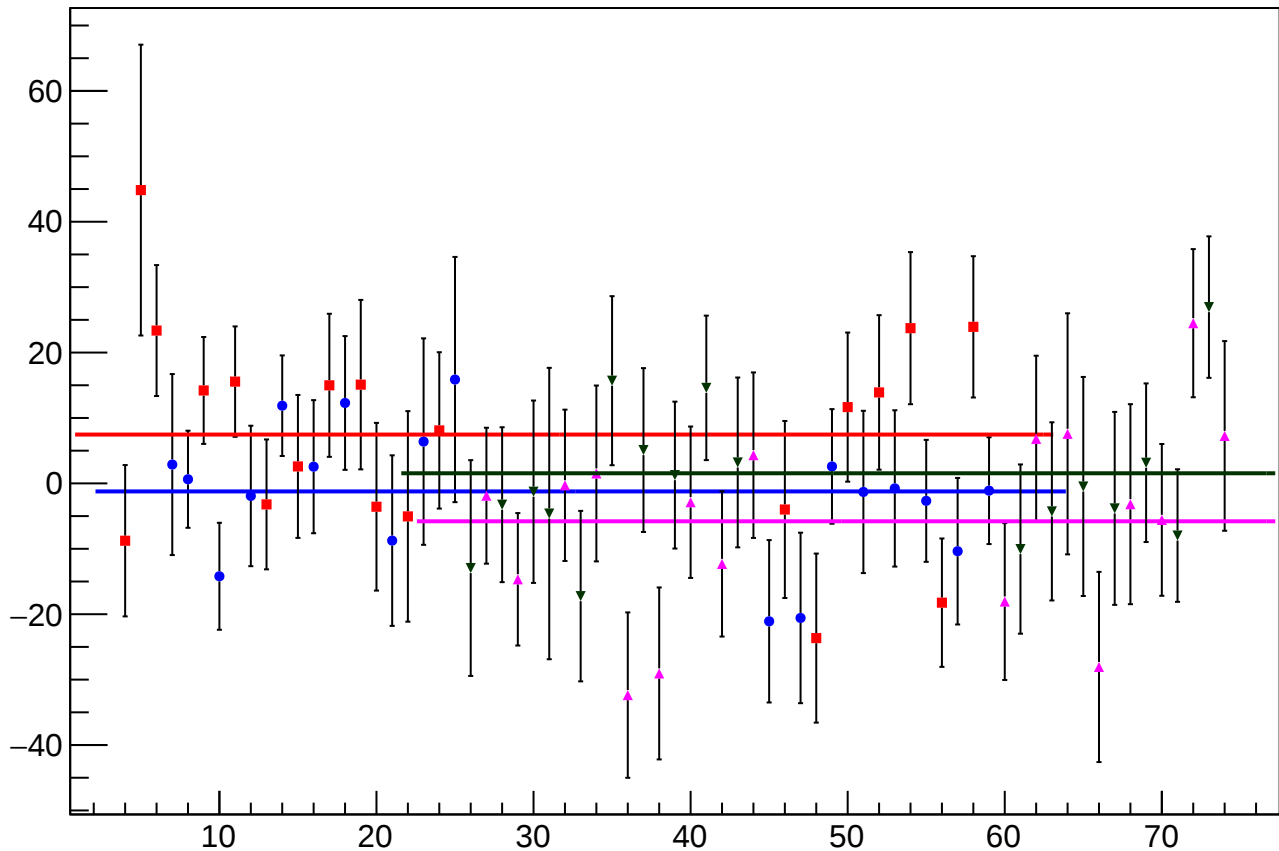
Right Out: 3050.872+/-0.746 χ^2/NDF : 2882138.2/18

Left In: 4113.395+/-0.984 χ^2/NDF :1401685.5/16

79.946+/-0.063 χ^2/NDF : 37213301.5/34

3438.742+/-0.595 χ^2/NDF : 5023780.4/35

diff_bpm1X_mean vs slug



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

Left Out: 1.546 ± 3.117 χ^2/NDF : 13.4/16

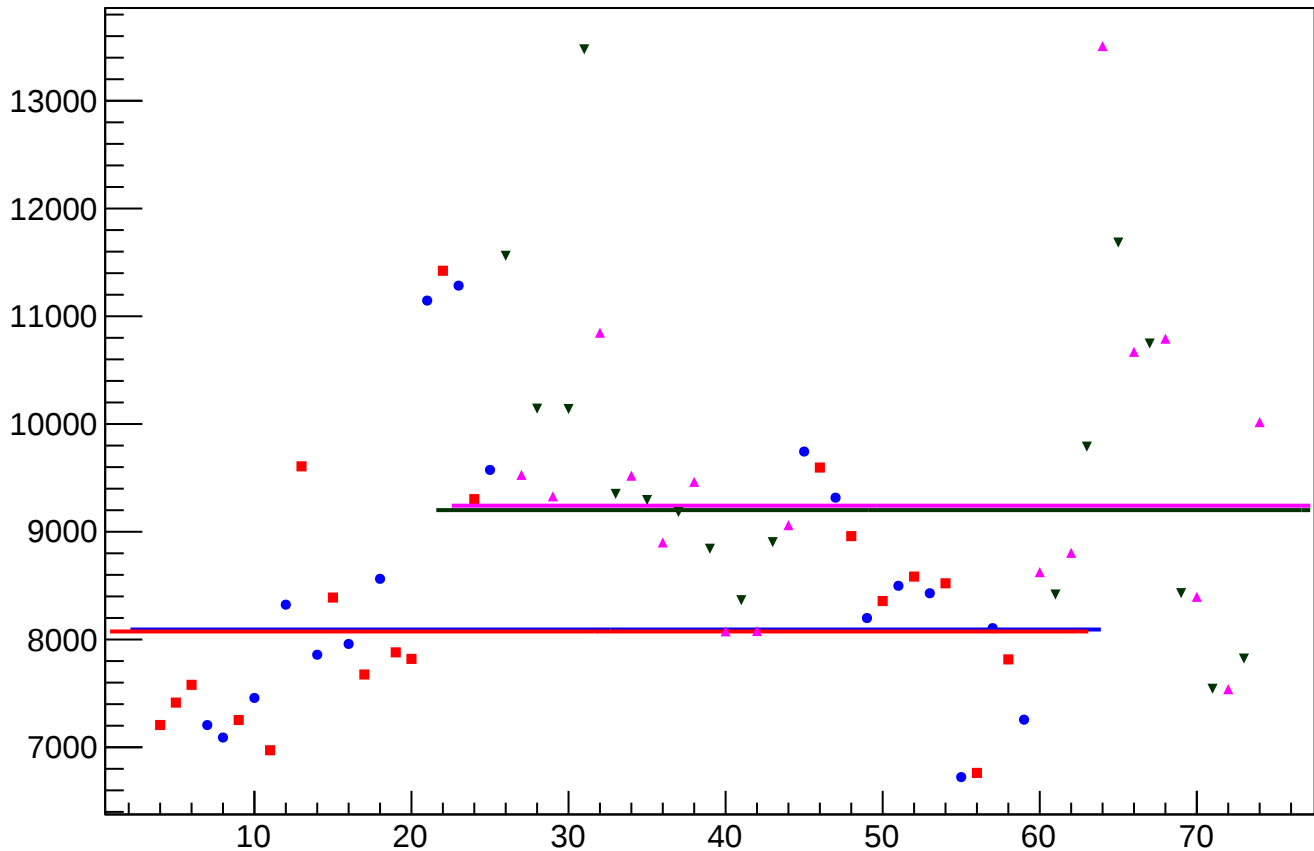
Right Out: 7.465 ± 2.574 χ^2/NDF : 30.5/18

Left In: -5.794 ± 3.002 χ^2/NDF : 22.9/16

-0.180 ± 1.917 χ^2/NDF : 28.4/34

1.847 ± 1.954 χ^2/NDF : 64.7/35

diff_bpm1X_rms vs slug



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

Left Out: 9200.886 $\pm$ 2.204 χ^2 /NDF:322439.0/16

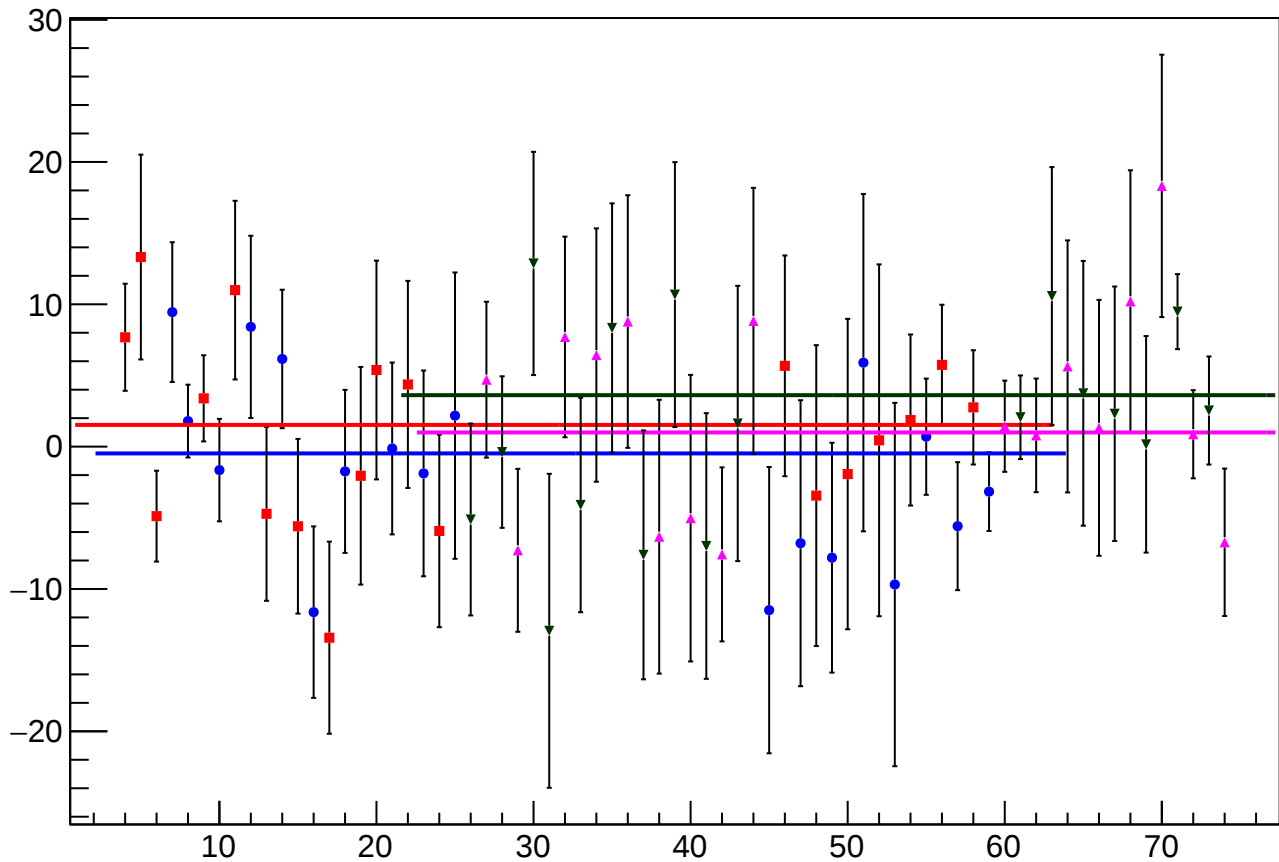
Right Out: 8074.654 $\pm$ 1.820 χ^2 /NDF: 312658.9/18

Left In: 9242.039 $\pm$ 2.123 χ^2 /NDF:301979.5/16

8511.757 $\pm$ 1.355 χ^2 /NDF: 868948.6/34

8569.276 $\pm$ 1.382 χ^2 /NDF: 788962.2/35

diff_bpm1Y_mean vs slug



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

Left Out: 3.616 ± 1.358 $\chi^2/\text{NDF}: 16.9/16$

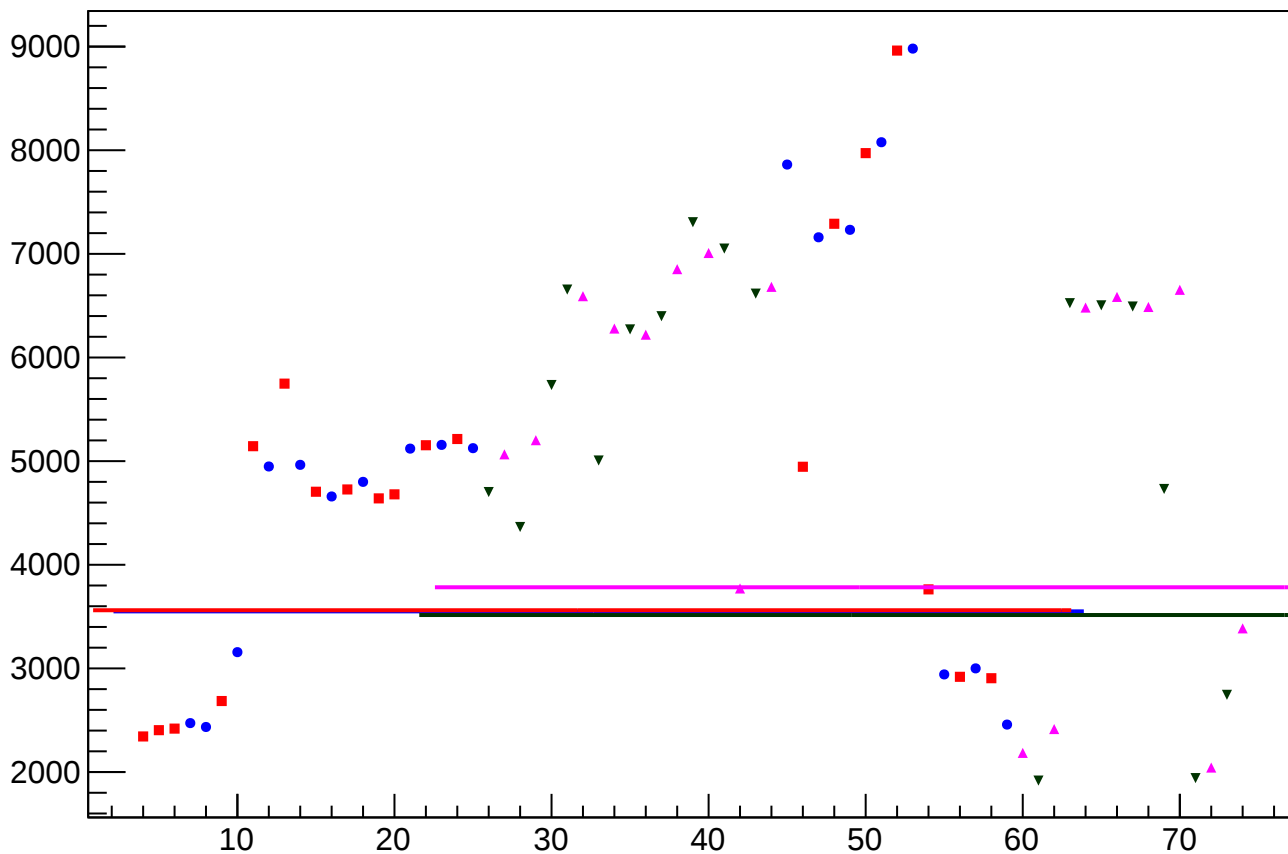
Right Out: 1.525 ± 1.232 $\chi^2/\text{NDF}: 22.9/18$

Left In: 0.996 ± 1.389 $\chi^2/\text{NDF}: 15.3/16$

1.251 ± 0.883 $\chi^2/\text{NDF}: 40.1/34$

1.292 ± 0.921 $\chi^2/\text{NDF}: 38.2/35$

diff_bpm1Y_rms vs slug



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

Left Out: 3515.203+/-0.961 χ^2 /NDF:3840076.2/16

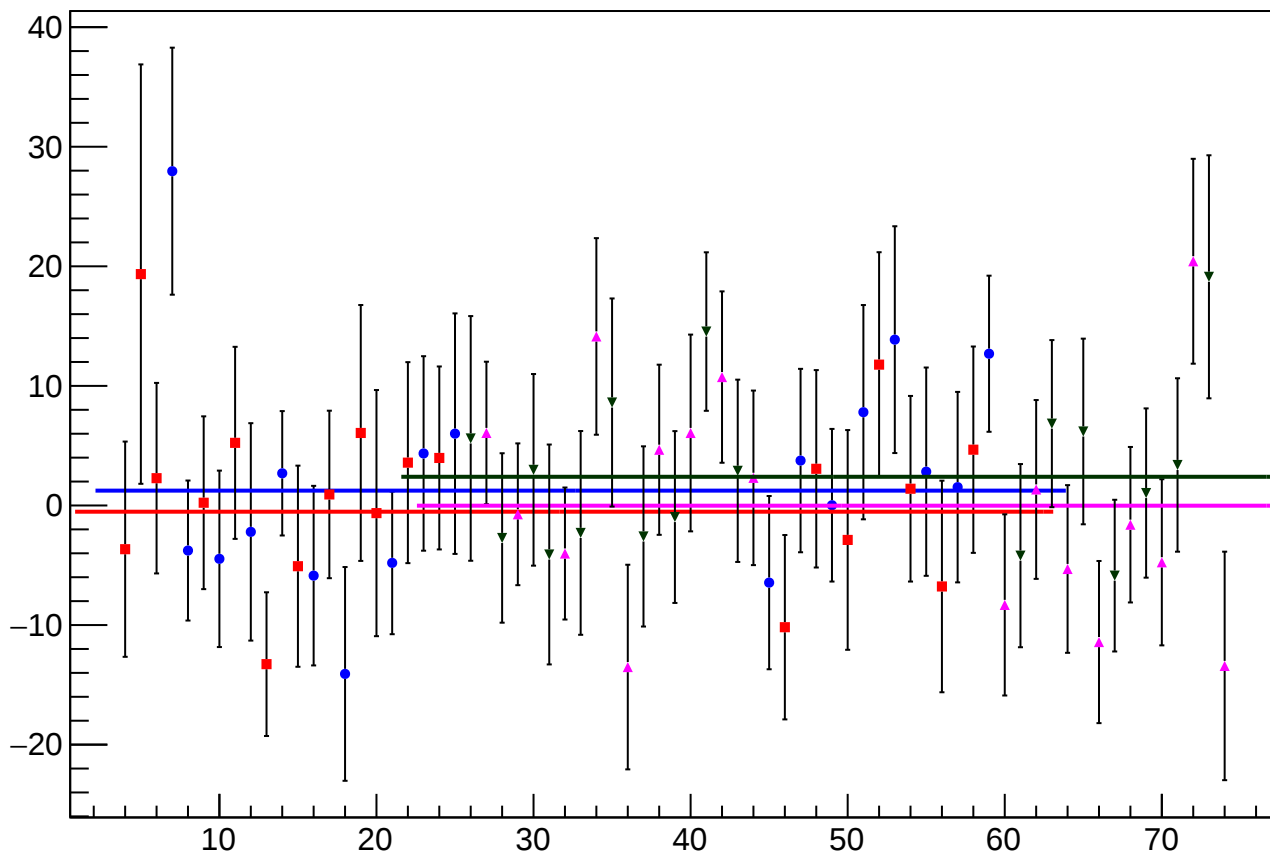
Right Out: 3561.233+/-0.871 χ^2 /NDF: 2618224.4/18

Left In: 3782.881+/-0.982 χ^2 /NDF:3581925.1/16

3535.553+/-0.624 χ^2 /NDF: 7134841.1/34

3658.847+/-0.652 χ^2 /NDF: 6228668.0/35

diff_bpm11X_mean vs slug



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

Left Out: 2.399 ± 1.862 $\chi^2/\text{NDF}: 11.8/16$

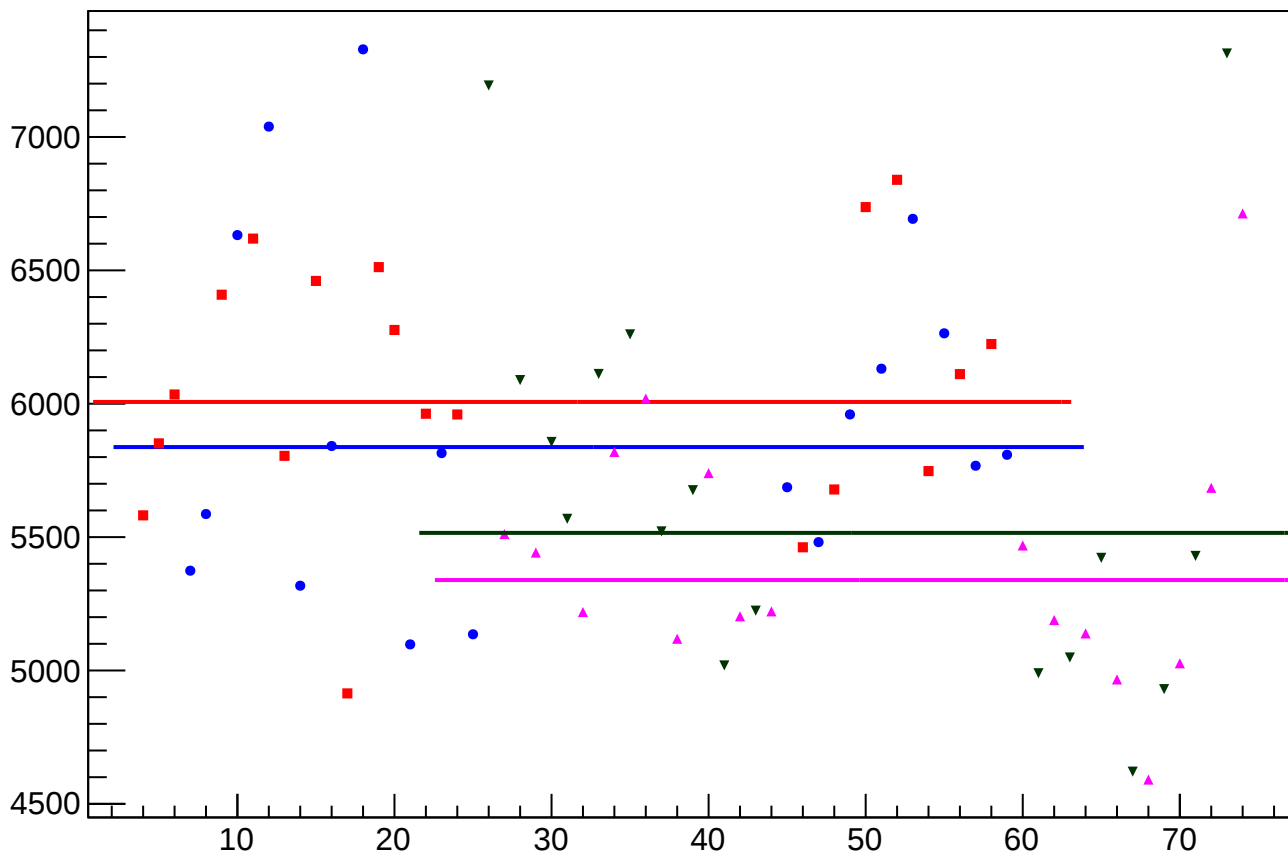
Right Out: -0.521 ± 1.907 $\chi^2/\text{NDF}: 12.3/18$

Left In: -0.018 ± 1.722 $\chi^2/\text{NDF}: 23.2/16$

1.785 ± 1.276 $\chi^2/\text{NDF}: 32.2/34$

-0.244 ± 1.278 $\chi^2/\text{NDF}: 35.5/35$

diff_bpm11X_rms vs slug



Right In: 5837.587 ± 1.239 $\chi^2/\text{NDF}: 211311.8/17$

Left Out: 5515.908 ± 1.317 $\chi^2/\text{NDF}: 245119.7/16$

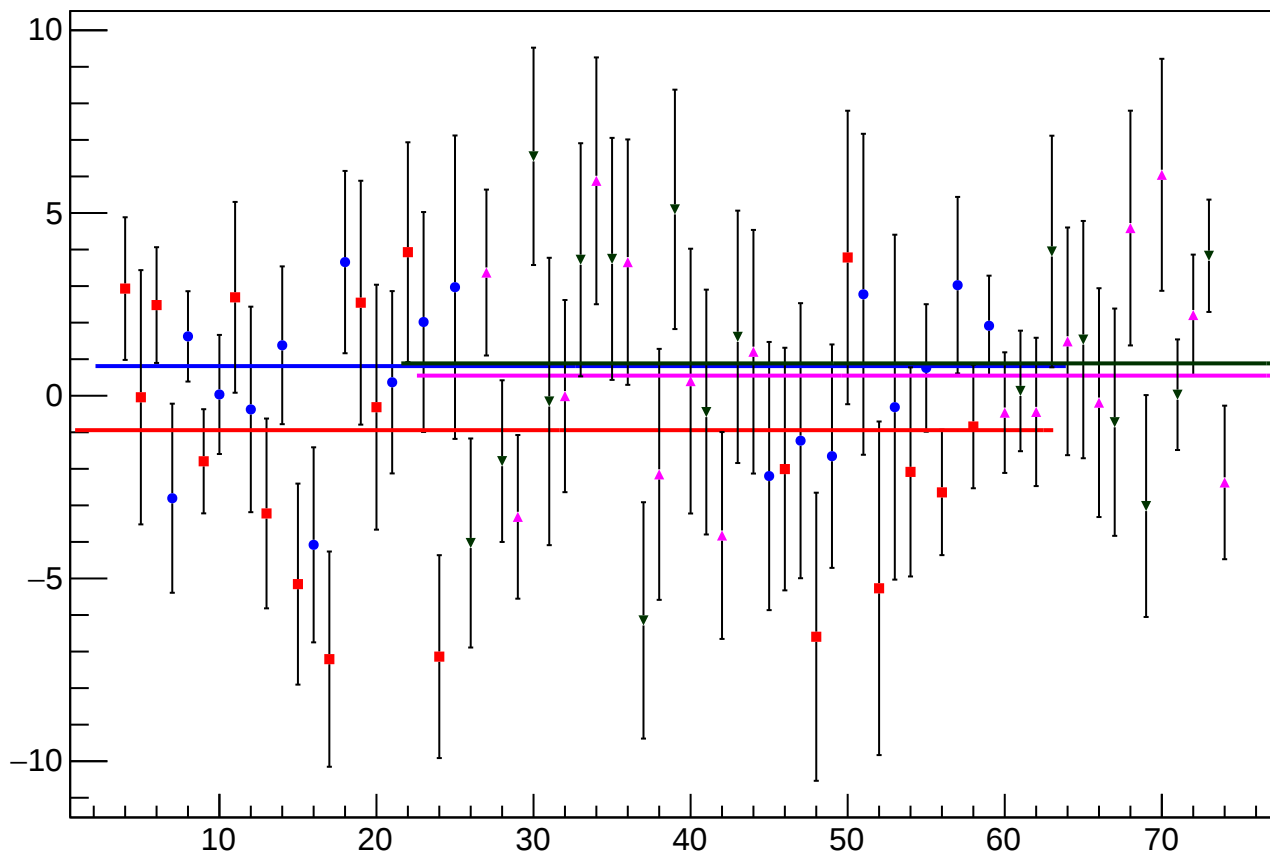
Right Out: 6006.736 ± 1.348 $\chi^2/\text{NDF}: 130455.1/18$

Left In: 5339.048 ± 1.218 $\chi^2/\text{NDF}: 114805.5/16$

5686.562 ± 0.902 $\chi^2/\text{NDF}: 488102.8/34$

5639.115 ± 0.904 $\chi^2/\text{NDF}: 380321.0/35$

diff_bpm11Y_mean vs slug



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

Left Out: 0.885 ± 0.610 χ^2/NDF : 23.3/16

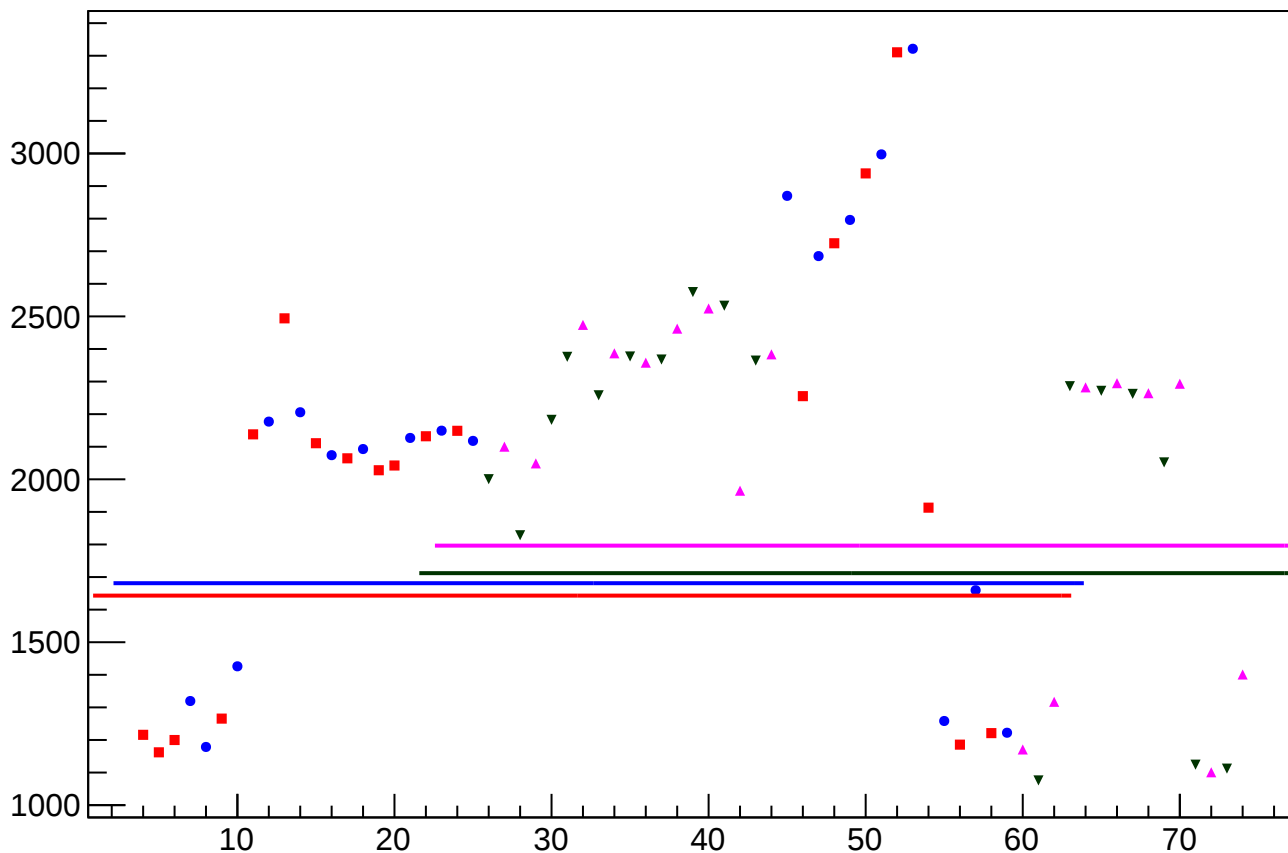
Right Out: -0.942 ± 0.553 χ^2/NDF : 32.9/18

Left In: 0.550 ± 0.609 χ^2/NDF : 19.2/16

0.843 ± 0.401 χ^2/NDF : 34.7/34

-0.268 ± 0.409 χ^2/NDF : 55.5/35

diff_bpm11Y_rms vs slug



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

Left Out: 1711.988+/-0.431 χ^2/NDF : 1801607.1/16

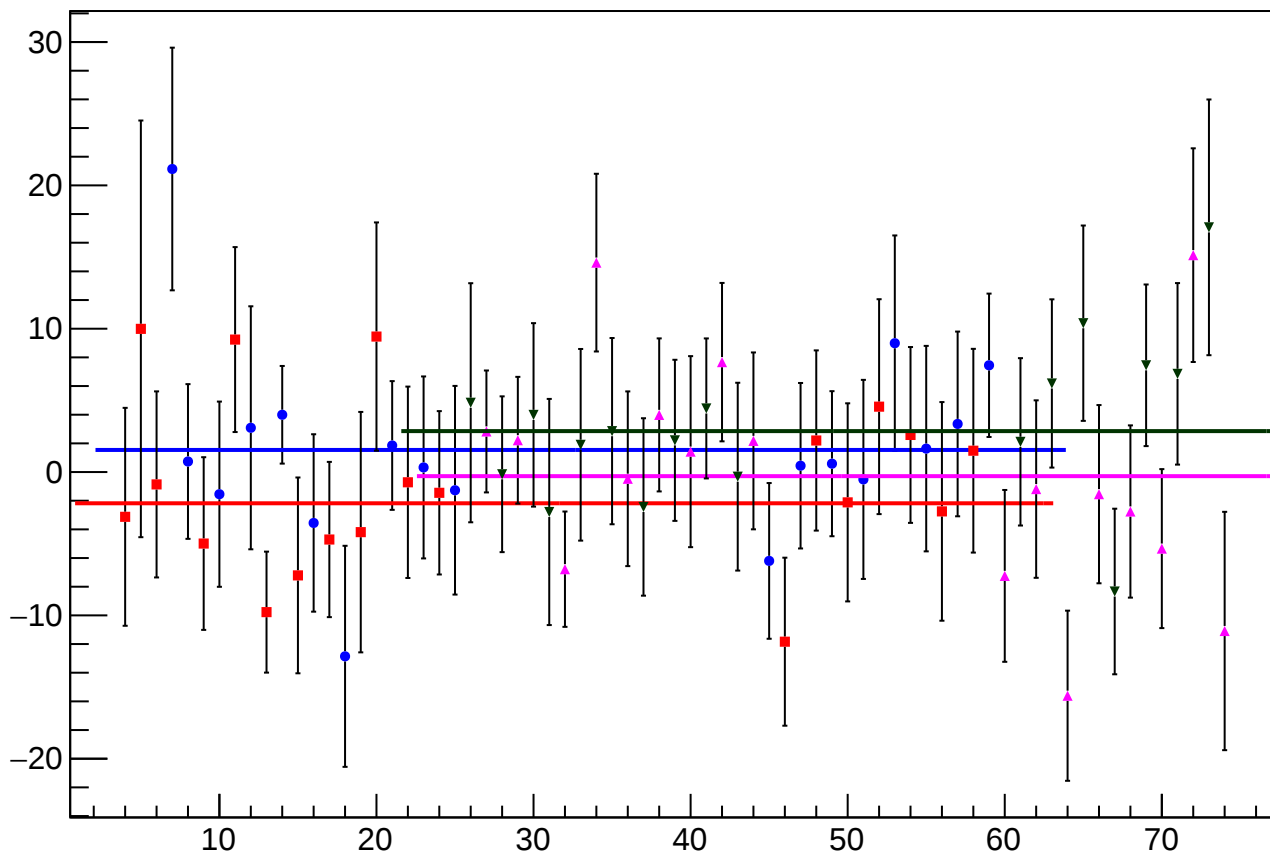
Right Out: 1643.071+/-0.391 χ^2/NDF : 1969332.5/18

Left In: 1796.463+/-0.431 χ^2/NDF : 1551247.7/16

1694.491+/-0.283 χ^2/NDF : 4017421.6/34

1712.306+/-0.289 χ^2/NDF : 3590148.6/35

diff_bpm12X_mean vs slug



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

Left Out: 2.856 ± 1.513 χ^2/NDF : 10.9/16

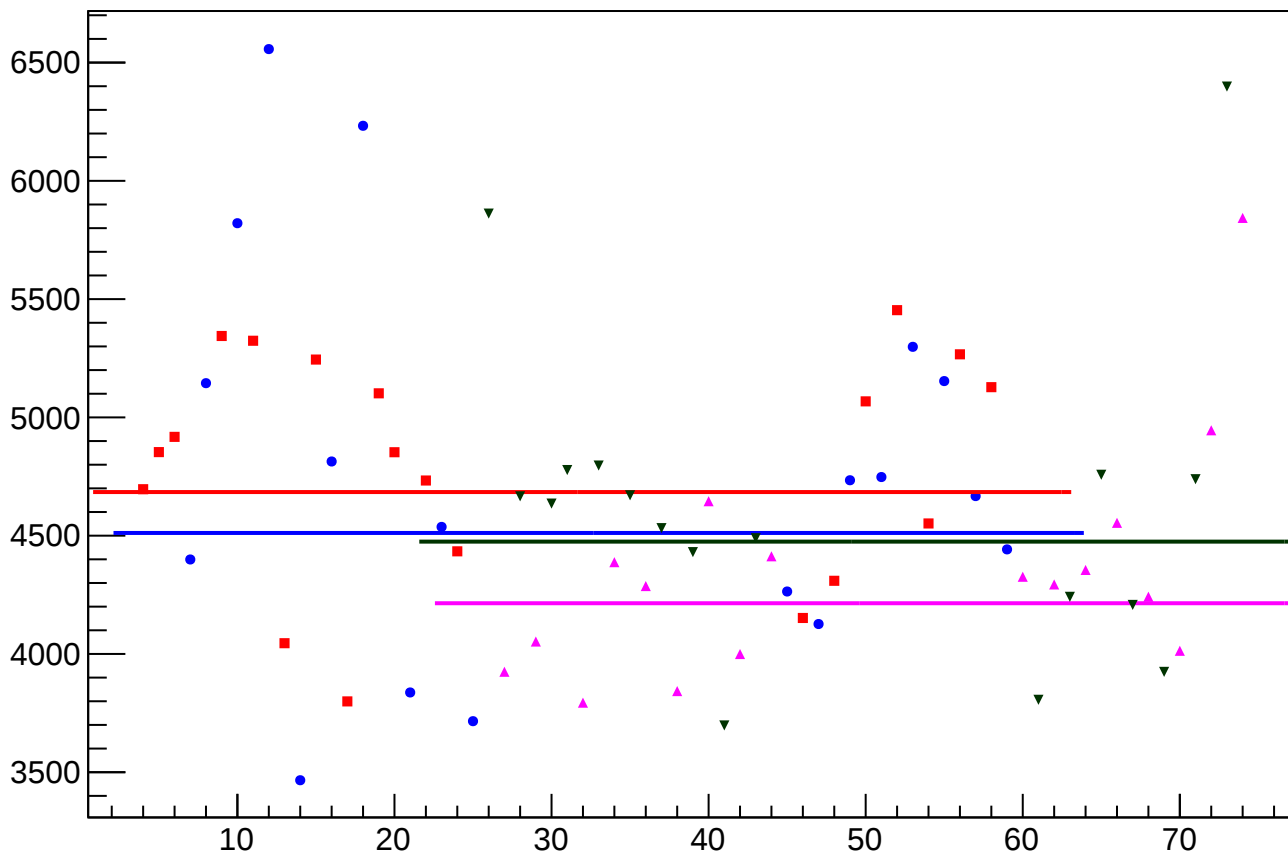
Right Out: -2.180 ± 1.492 χ^2/NDF : 15.2/18

Left In: -0.287 ± 1.363 χ^2/NDF : 27.2/16

2.133 ± 1.015 χ^2/NDF : 26.5/34

-1.147 ± 1.006 χ^2/NDF : 43.3/35

diff_bpm12X_rms vs slug



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

Left Out: 4474.838+/-1.070 χ^2/NDF : 272035.0/16

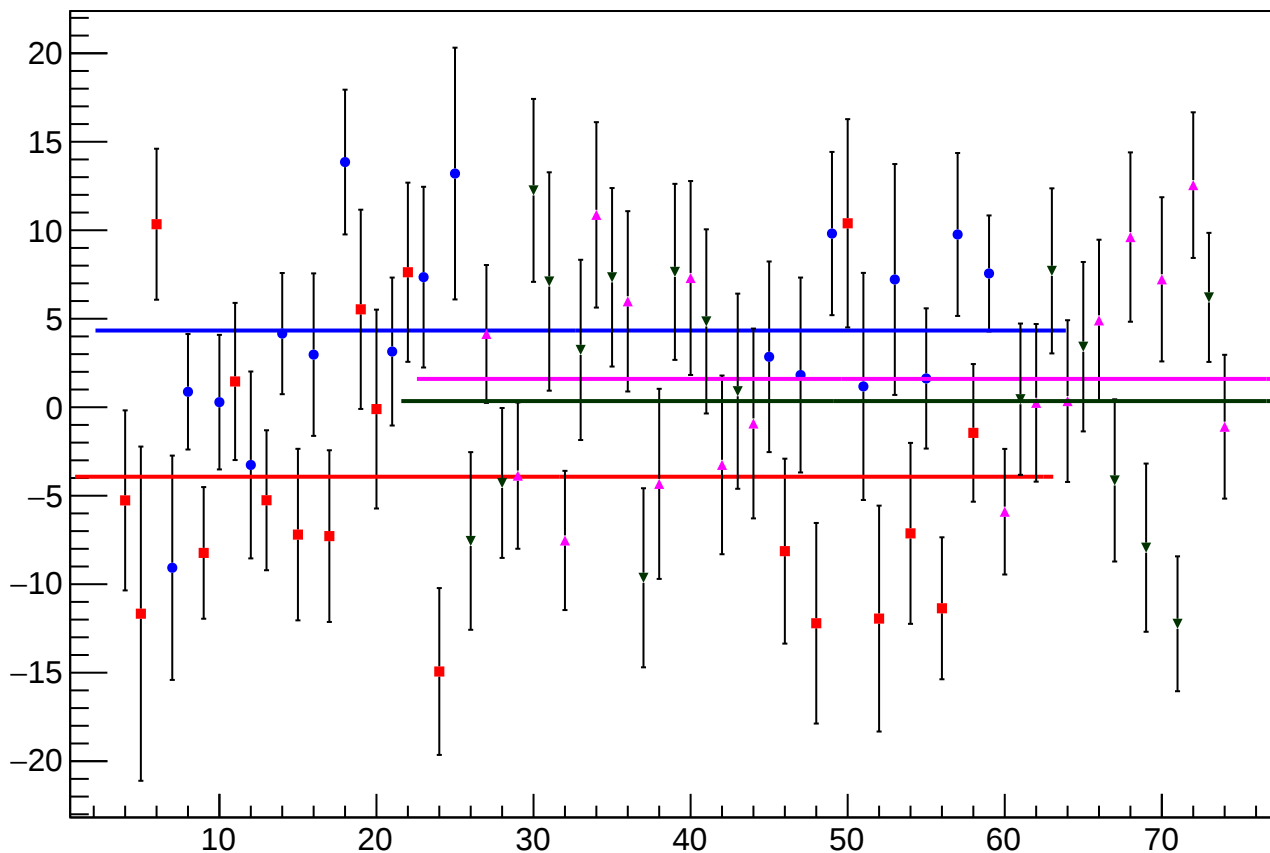
Right Out: 4684.391+/-1.055 χ^2/NDF : 240230.9/18

Left In: 4214.391+/-0.963 χ^2/NDF : 165595.8/16

4494.995+/-0.718 χ^2/NDF : 919679.3/34

4428.049+/-0.712 χ^2/NDF : 514006.9/35

diff_bpm12Y_mean vs slug



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

Left Out: 0.347 ± 1.142 χ^2/NDF : 39.6/16

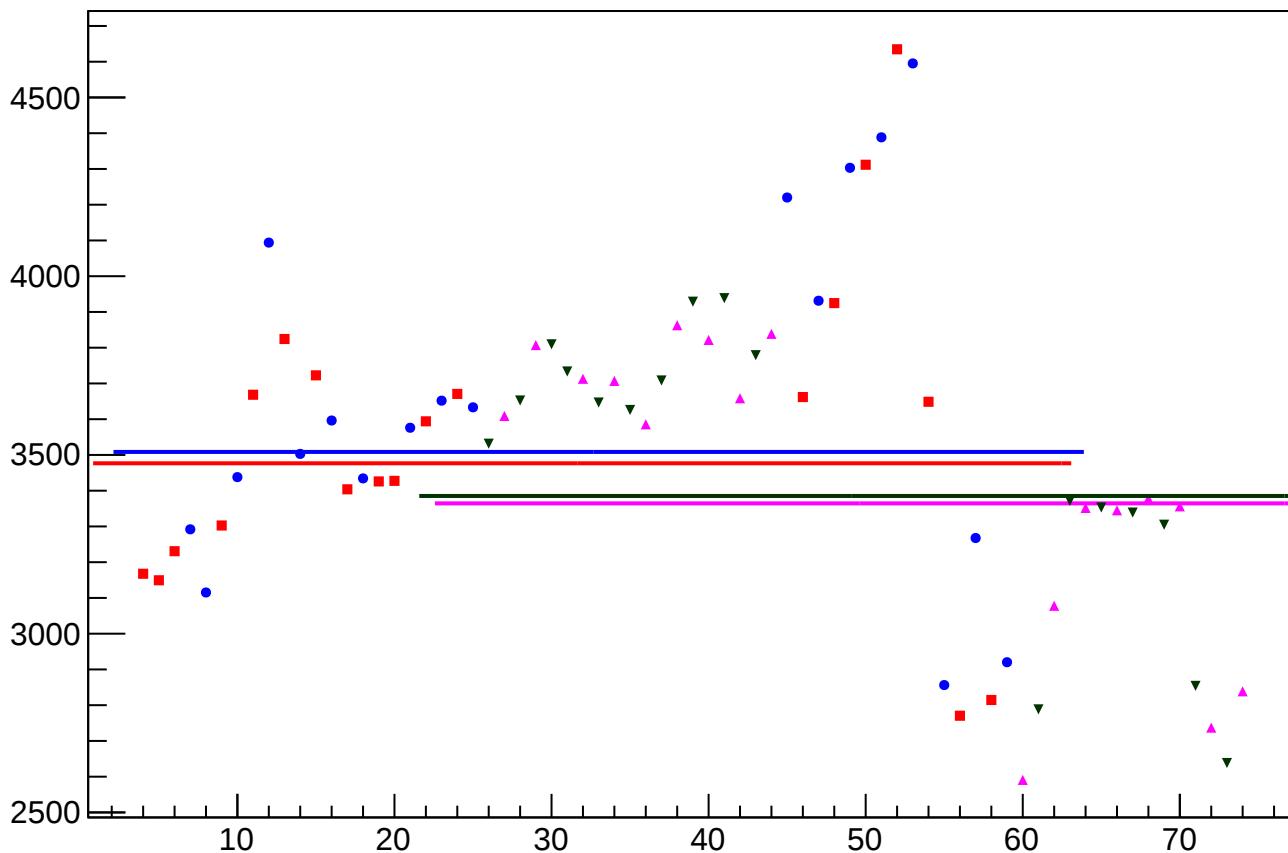
Right Out: -3.927 ± 1.110 χ^2/NDF : 44.2/18

Left In: 1.600 ± 1.090 χ^2/NDF : 31.8/16

2.498 ± 0.775 χ^2/NDF : 67.4/34

-1.114 ± 0.778 χ^2/NDF : 88.7/35

diff_bpm12Y_rms vs slug



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

Left Out: 3385.256 $\pm$ 0.808 χ^2 /NDF: 266885.3/16

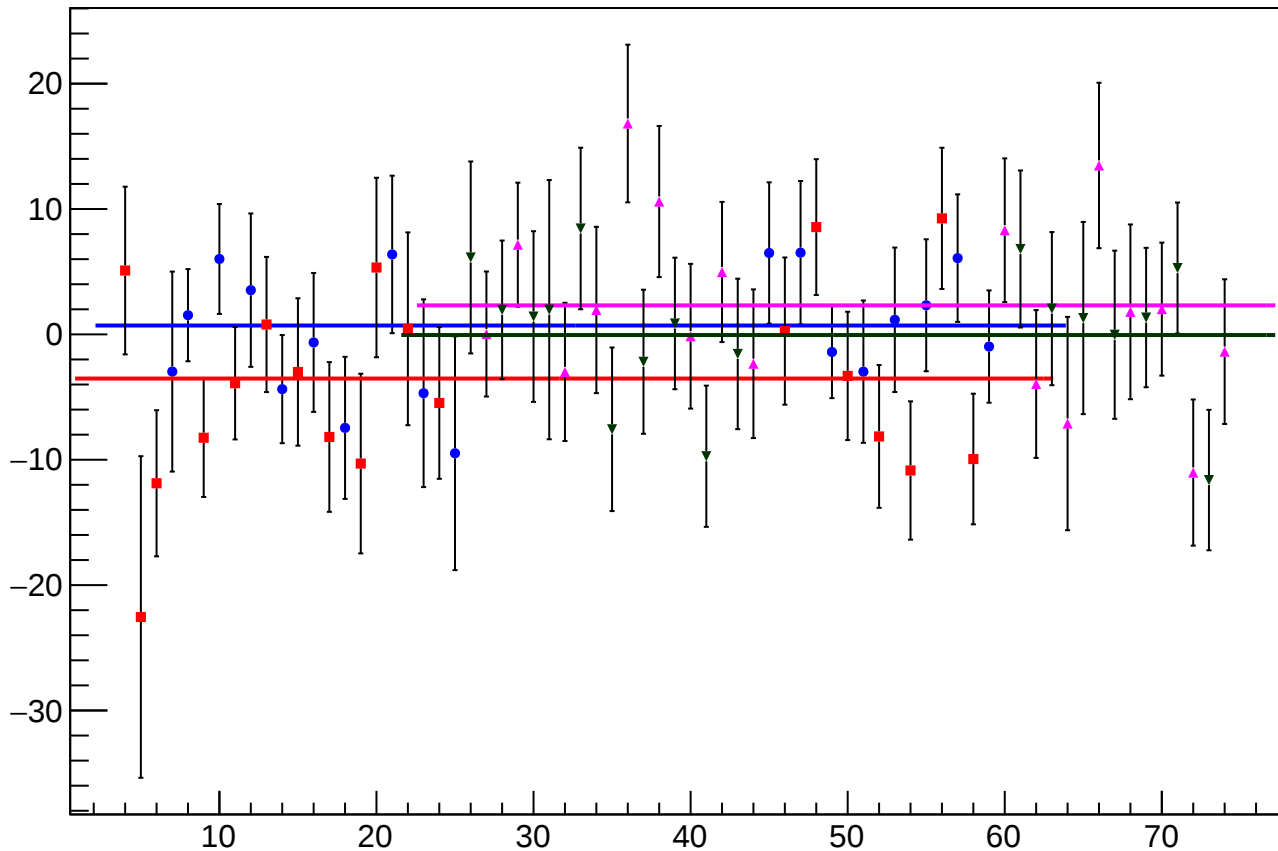
Right Out: 3476.662 $\pm$ 0.785 χ^2 /NDF: 293750.8/18

Left In: 3364.556 $\pm$ 0.771 χ^2 /NDF: 295785.5/16

3451.713 $\pm$ 0.548 χ^2 /NDF: 663575.0/34

3419.597 $\pm$ 0.550 χ^2 /NDF: 599923.3/35

diff_bpm16X_mean vs slug



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

Left Out: -0.052 ± 1.496 χ^2/NDF : 13.8/16

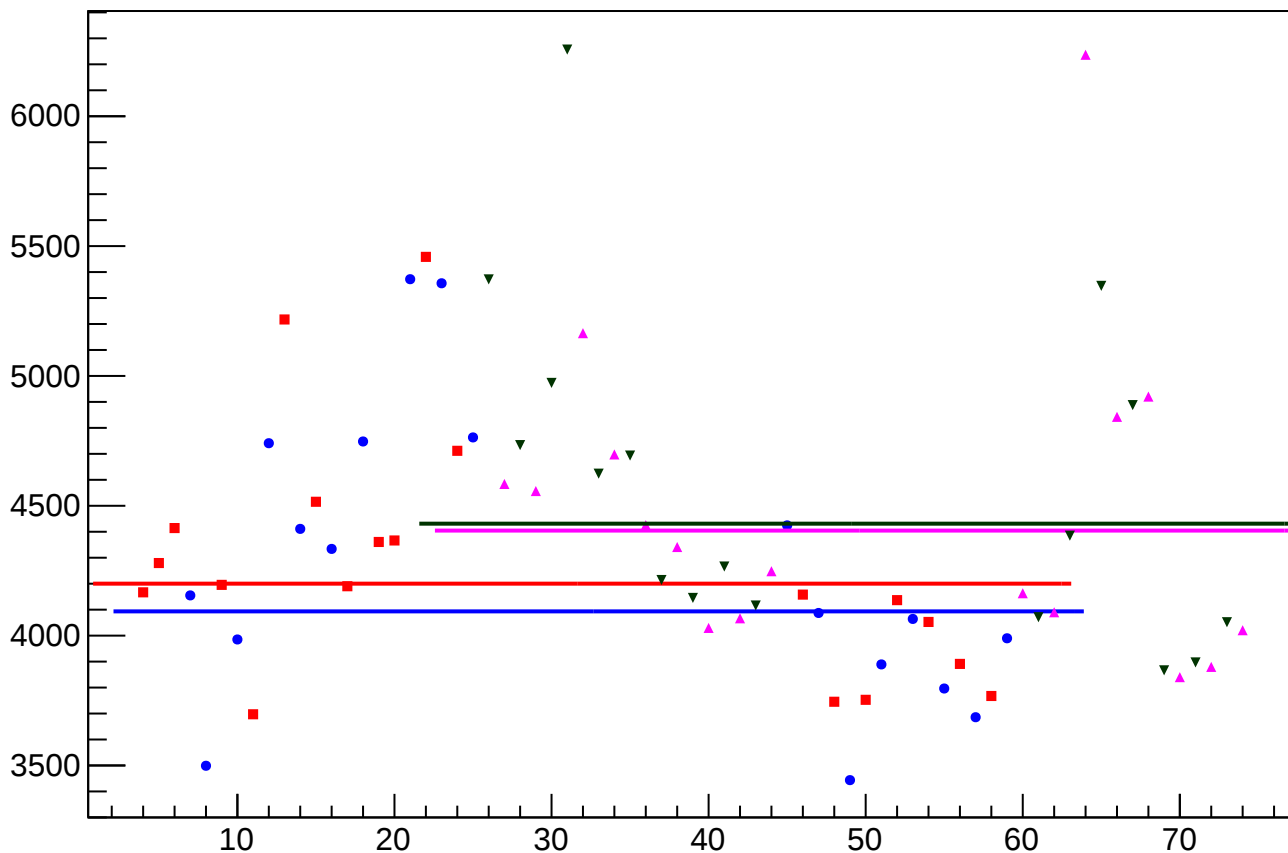
Right Out: -3.522 ± 1.336 χ^2/NDF : 25.4/18

Left In: 2.314 ± 1.426 χ^2/NDF : 22.3/16

0.402 ± 0.950 χ^2/NDF : 26.2/34

-0.795 ± 0.975 χ^2/NDF : 56.7/35

diff_bpm16X_rms vs slug



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

Left Out: 4431.133 ± 1.058 $\chi^2/\text{NDF}: 227506.2/16$

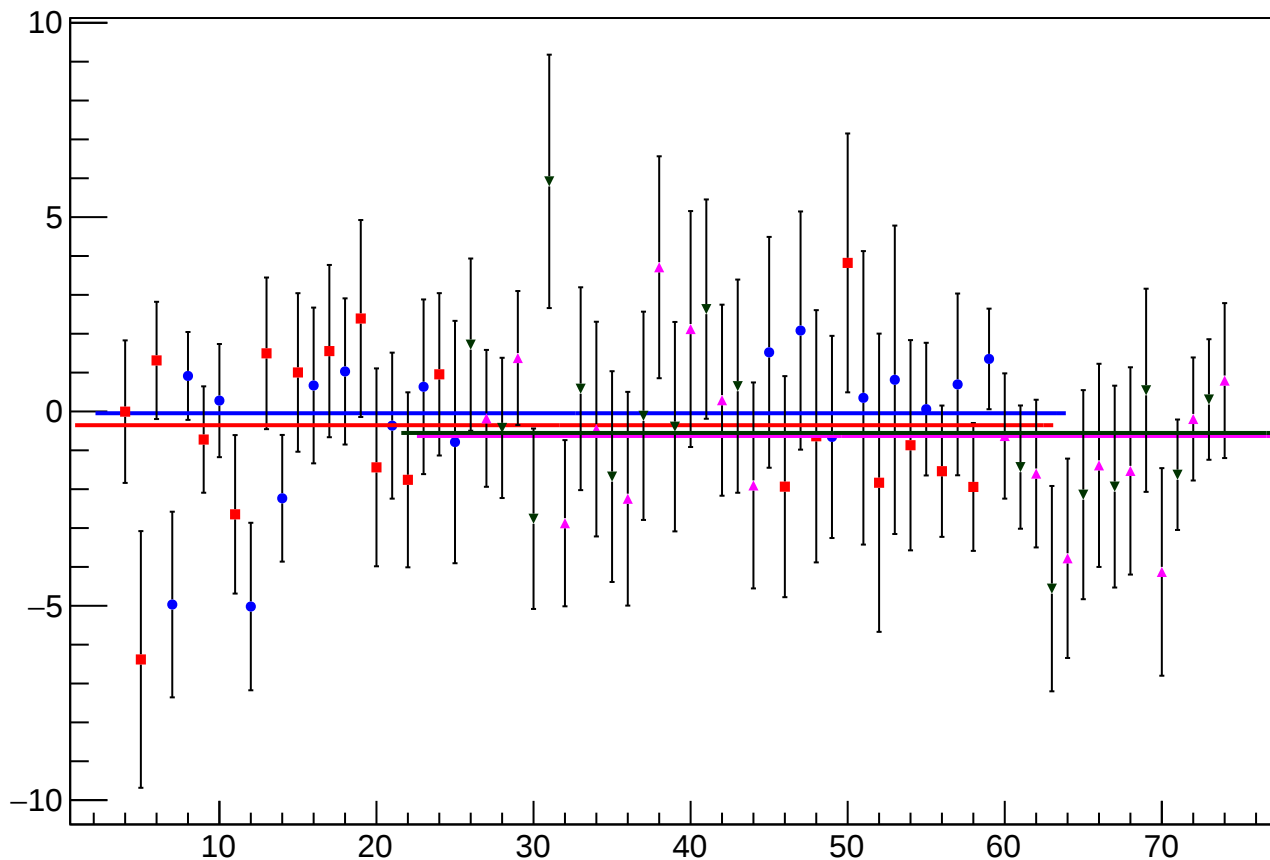
Right Out: 4200.125 ± 0.945 $\chi^2/\text{NDF}: 225858.3/18$

Left In: 4404.519 ± 1.009 $\chi^2/\text{NDF}: 233219.2/16$

4229.413 ± 0.672 $\chi^2/\text{NDF}: 648057.7/34$

4295.640 ± 0.689 $\chi^2/\text{NDF}: 480954.5/35$

diff_bpm16Y_mean vs slug



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

Left Out: -0.553 ± 0.535 χ^2/NDF : 12.1/16

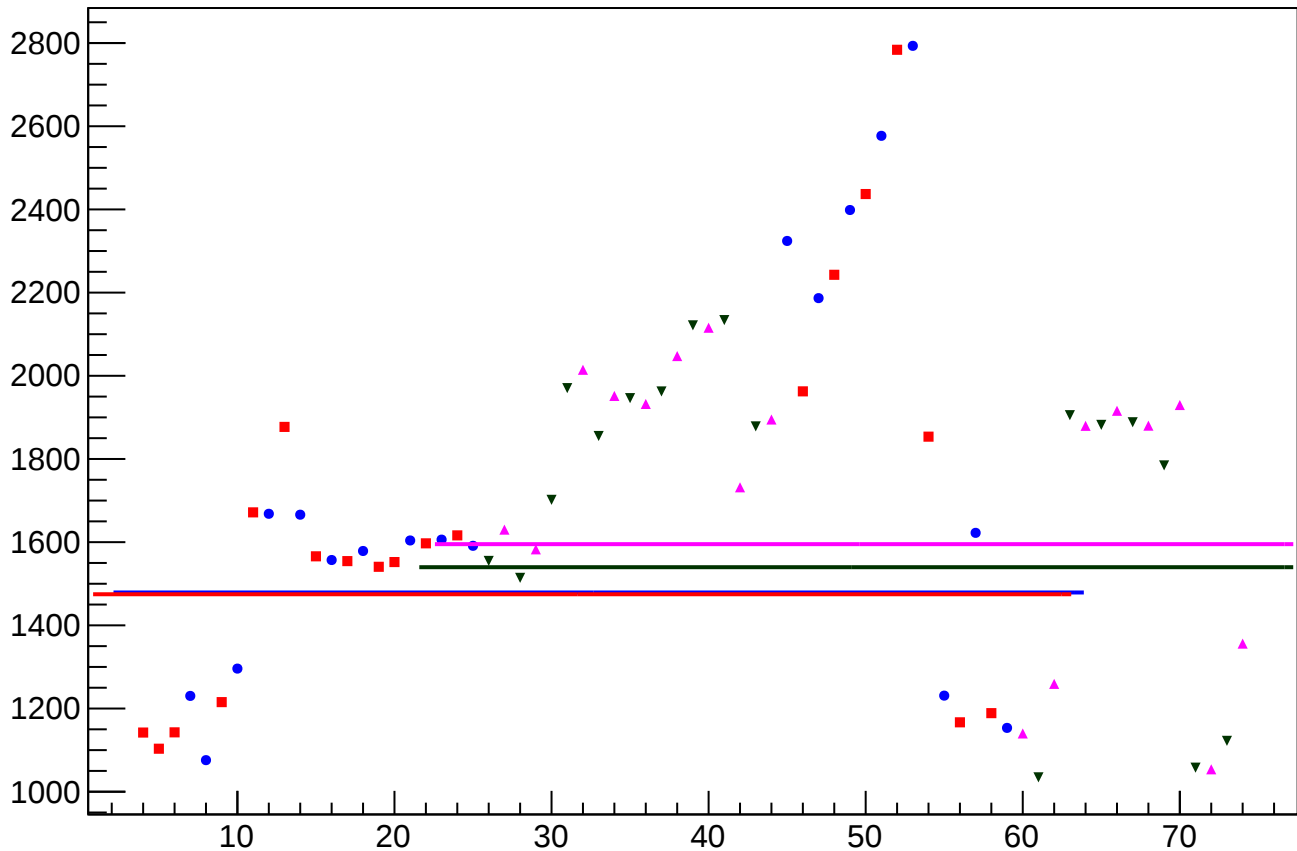
Right Out: -0.354 ± 0.483 χ^2/NDF : 13.6/18

Left In: -0.631 ± 0.529 χ^2/NDF : 10.6/16

-0.260 ± 0.348 χ^2/NDF : 27.5/34

-0.480 ± 0.357 χ^2/NDF : 24.4/35

diff_bpm16Y_rms vs slug



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

Left Out: 1539.792+/-0.378 χ^2/NDF :1083645.5/16

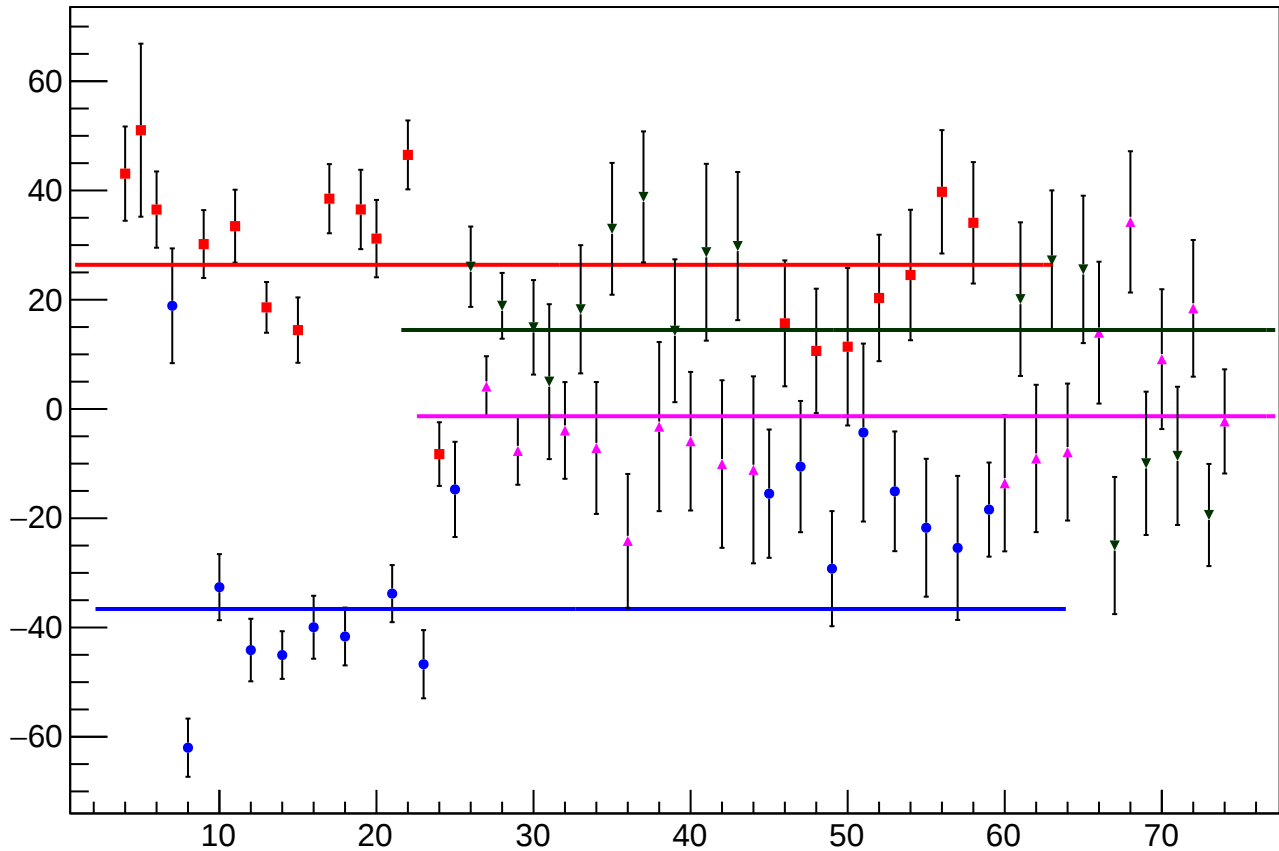
1504.736+/-0.246 χ^2/NDF : 2557878.5/34

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

1529.550+/-0.252 χ^2/NDF : 2057208.0/35

Left In: 1595.206+/-0.374 χ^2/NDF :875506.8/16

diff_bpm0l01X_mean vs slug



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

Left Out: 14.462 ± 2.608 χ^2/NDF : 43.7/16

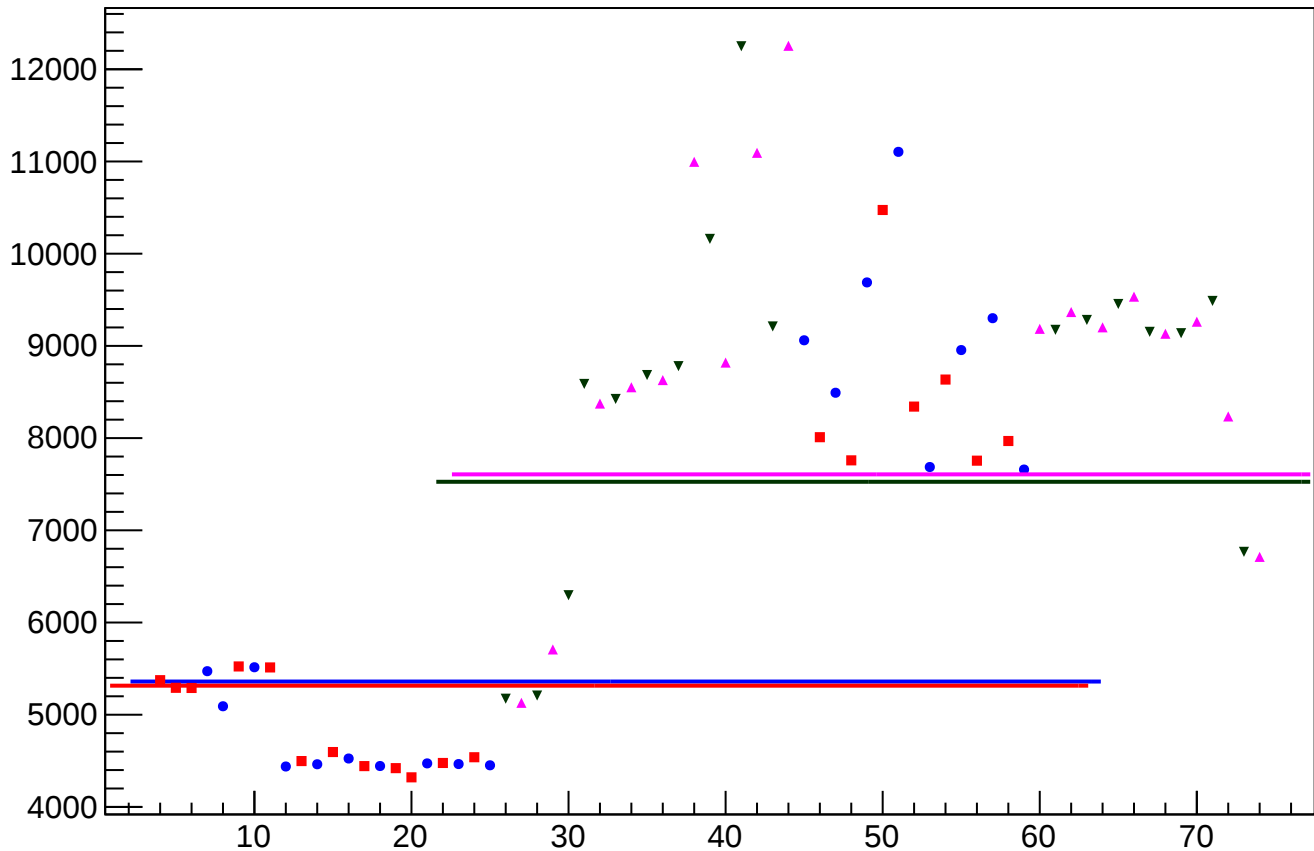
Right Out: 26.394 ± 1.742 χ^2/NDF : 74.2/18

Left In: -1.323 ± 2.526 χ^2/NDF : 20.3/16

-21.703 ± 1.409 χ^2/NDF : 405.1/34

17.461 ± 1.434 χ^2/NDF : 176.1/35

diff_bpm0l01X_rms vs slug



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

Left Out: 7526.291+/-1.844 χ^2/NDF :1117984.4/16

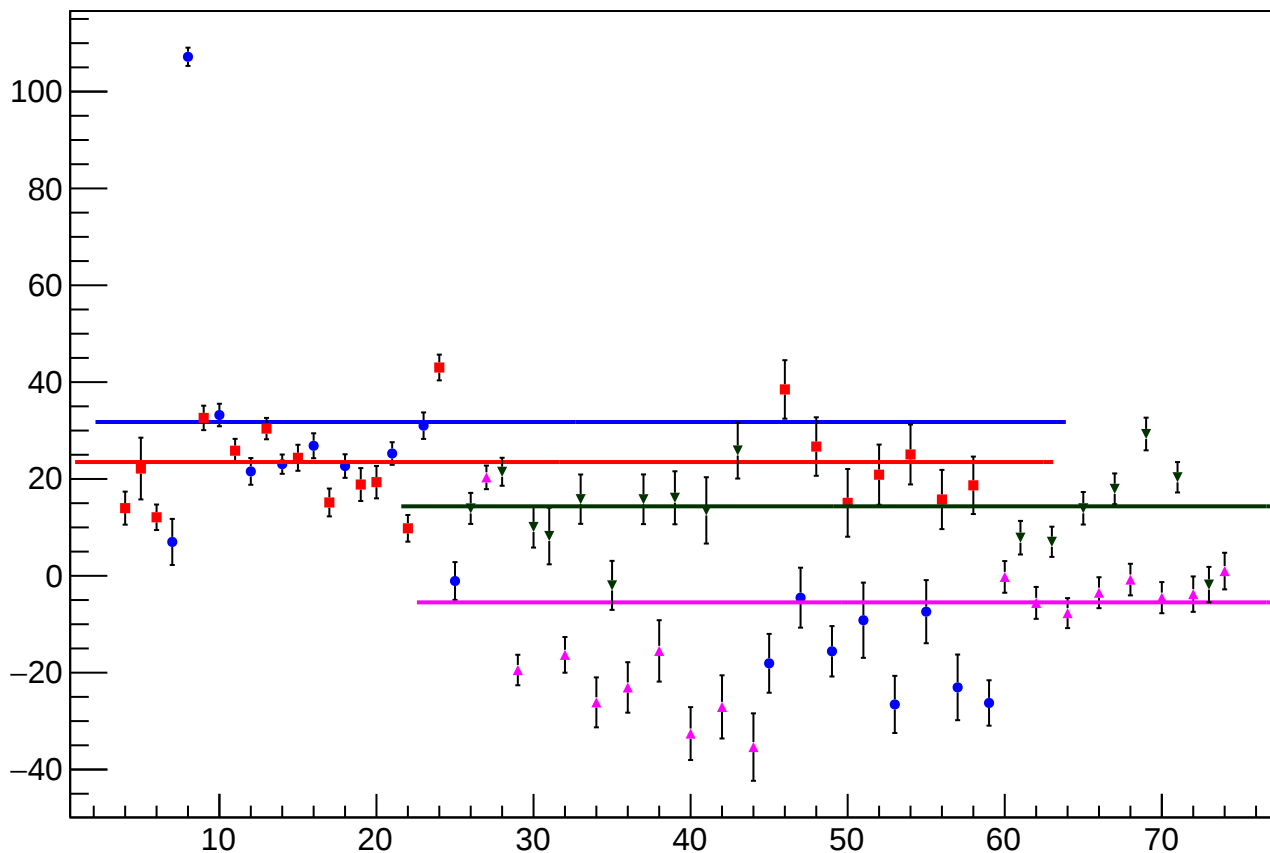
Right Out: 5315.062+/-1.232 χ^2/NDF : 1229938.4/18

Left In: 7606.769+/-1.786 χ^2/NDF :1221235.8/16

5992.206+/-0.996 χ^2/NDF : 3955448.0/34

6053.673+/-1.014 χ^2/NDF : 3566806.0/35

diff_bpm0l01Y_mean vs slug



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

Left Out: 14.352 $\pm$ 0.937 χ^2 /NDF: 76.0/16

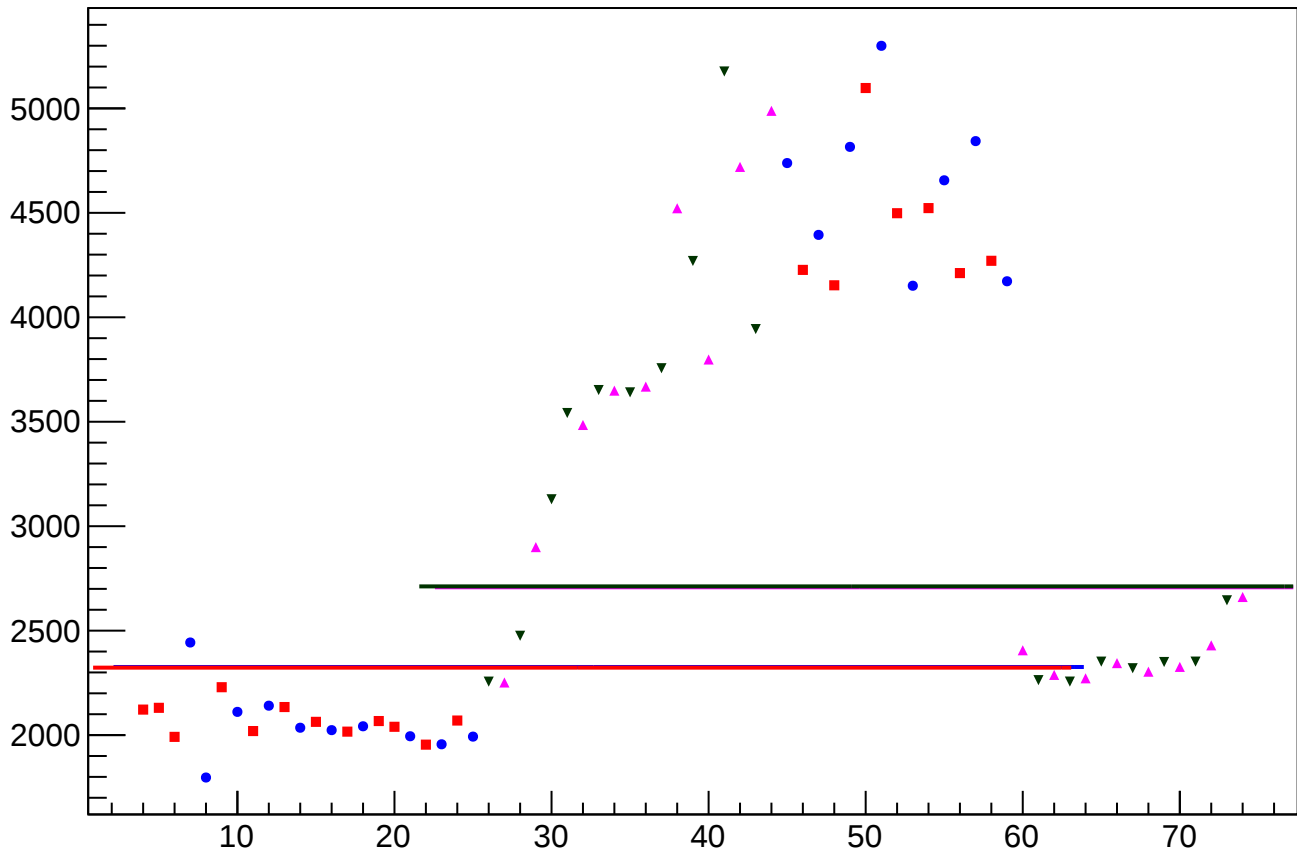
Right Out: 23.500 $\pm$ 0.773 χ^2 /NDF: 151.3/18

Left In: -5.480 $\pm$ 0.897 χ^2 /NDF: 233.3/16

25.070 $\pm$ 0.581 χ^2 /NDF: 2611.6/34

11.154 $\pm$ 0.585 χ^2 /NDF: 984.0/35

diff_bpm0l01Y_rms vs slug



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

Left Out: 2711.848 $\pm$ 0.663 χ^2 /NDF:1022053.3/16

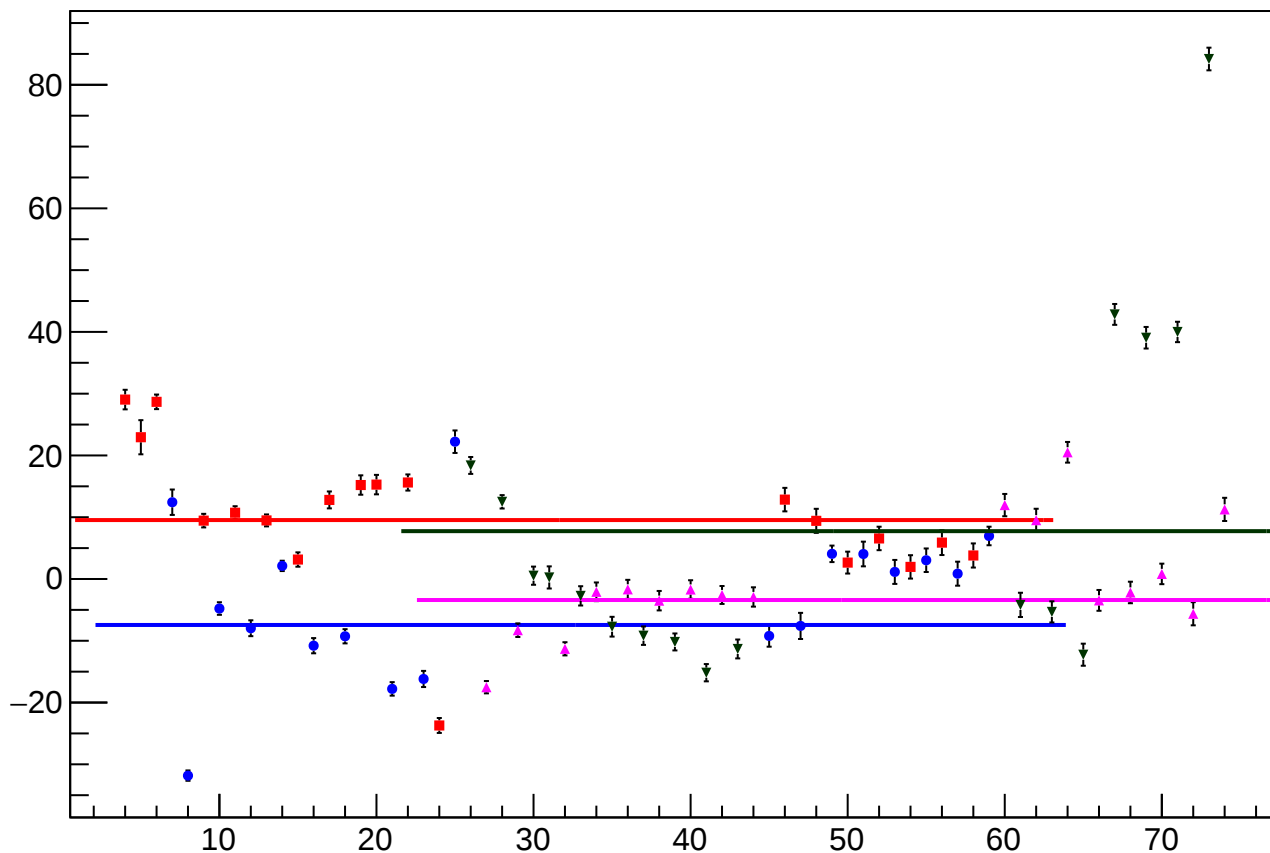
Right Out: 2322.918 $\pm$ 0.546 χ^2 /NDF: 1810759.5/18

Left In: 2707.503 $\pm$ 0.634 χ^2 /NDF:1134701.5/16

2474.438 $\pm$ 0.411 χ^2 /NDF: 3927157.5/34

2486.765 $\pm$ 0.414 χ^2 /NDF: 3156583.8/35

diff_bpm2i01X_mean vs slug



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

Left Out: 7.745 ± 0.374 χ^2/NDF : 4074.8/16

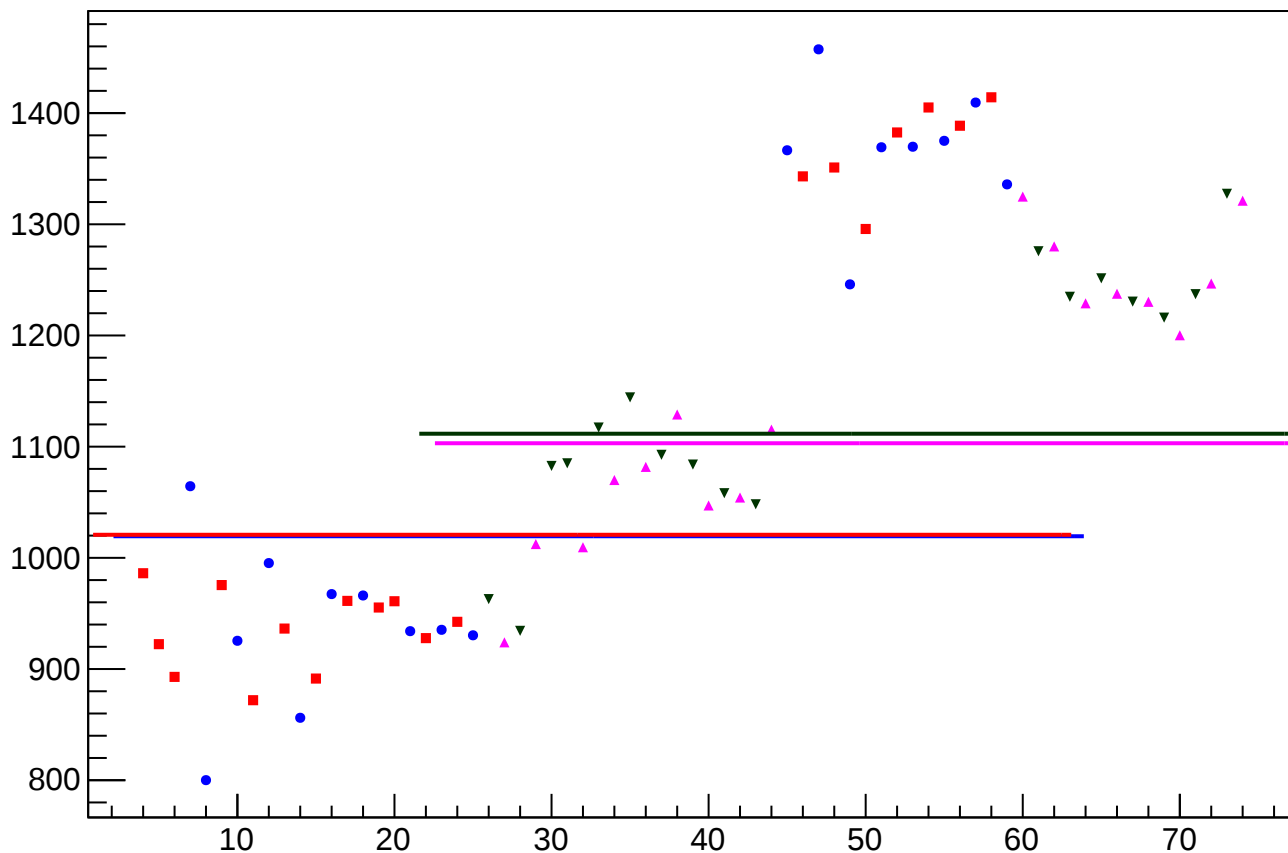
Right Out: 9.540 ± 0.328 χ^2/NDF : 1327.8/18

Left In: -3.403 ± 0.357 χ^2/NDF : 672.4/16

-1.265 ± 0.239 χ^2/NDF : 6805.3/34

3.616 ± 0.241 χ^2/NDF : 2714.5/35

diff_bpm2i01X_rms vs slug



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

Left Out: 1111.634+/-0.265 χ^2/NDF : 179684.7/16

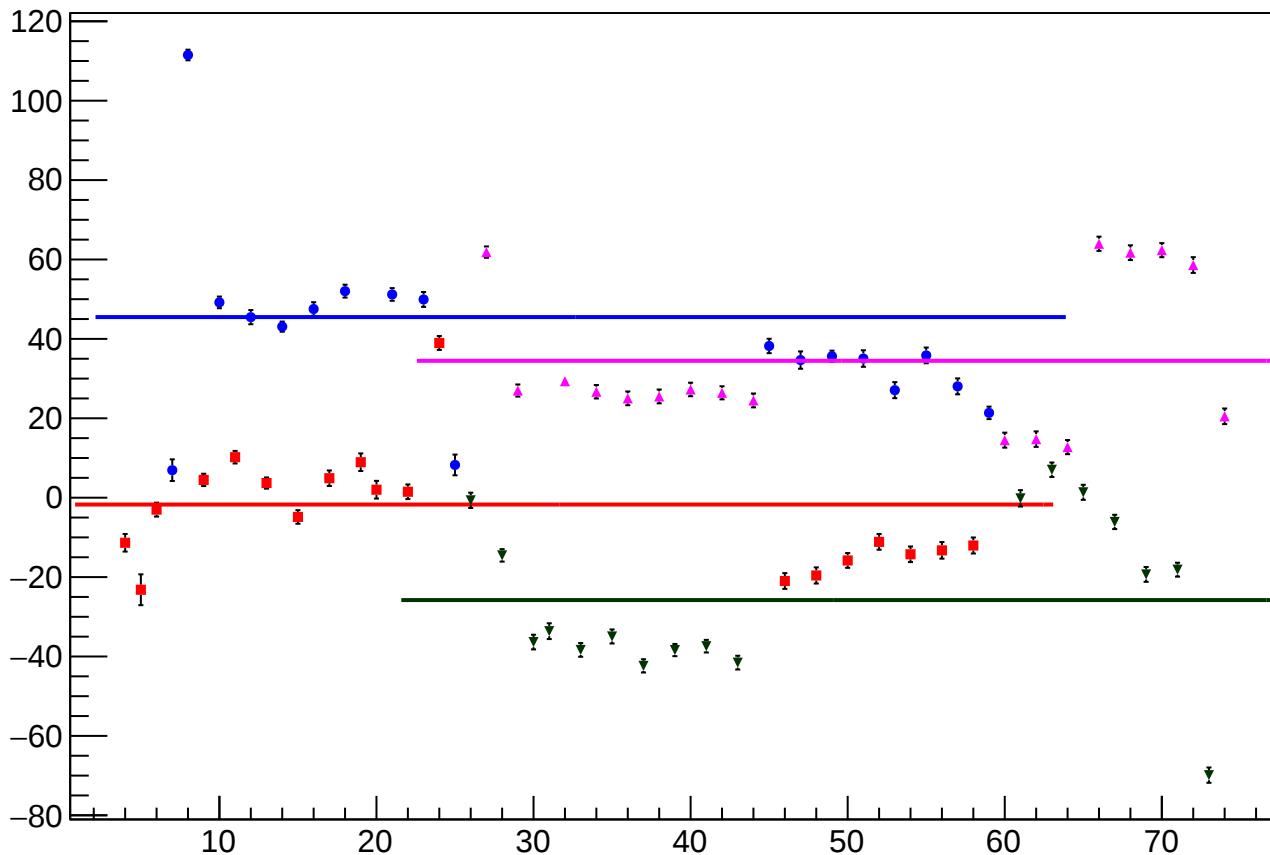
Right Out: 1020.749+/-0.232 χ^2/NDF : 605072.5/18

Left In: 1103.072+/-0.252 χ^2/NDF : 229057.5/16

1056.930+/-0.169 χ^2/NDF : 1104568.6/34

1058.428+/-0.171 χ^2/NDF : 891926.6/35

diff_bpm2i01Y_mean vs slug



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

Left Out: -25.788 $\pm$ 0.431 χ^2 /NDF: 2006.1/16

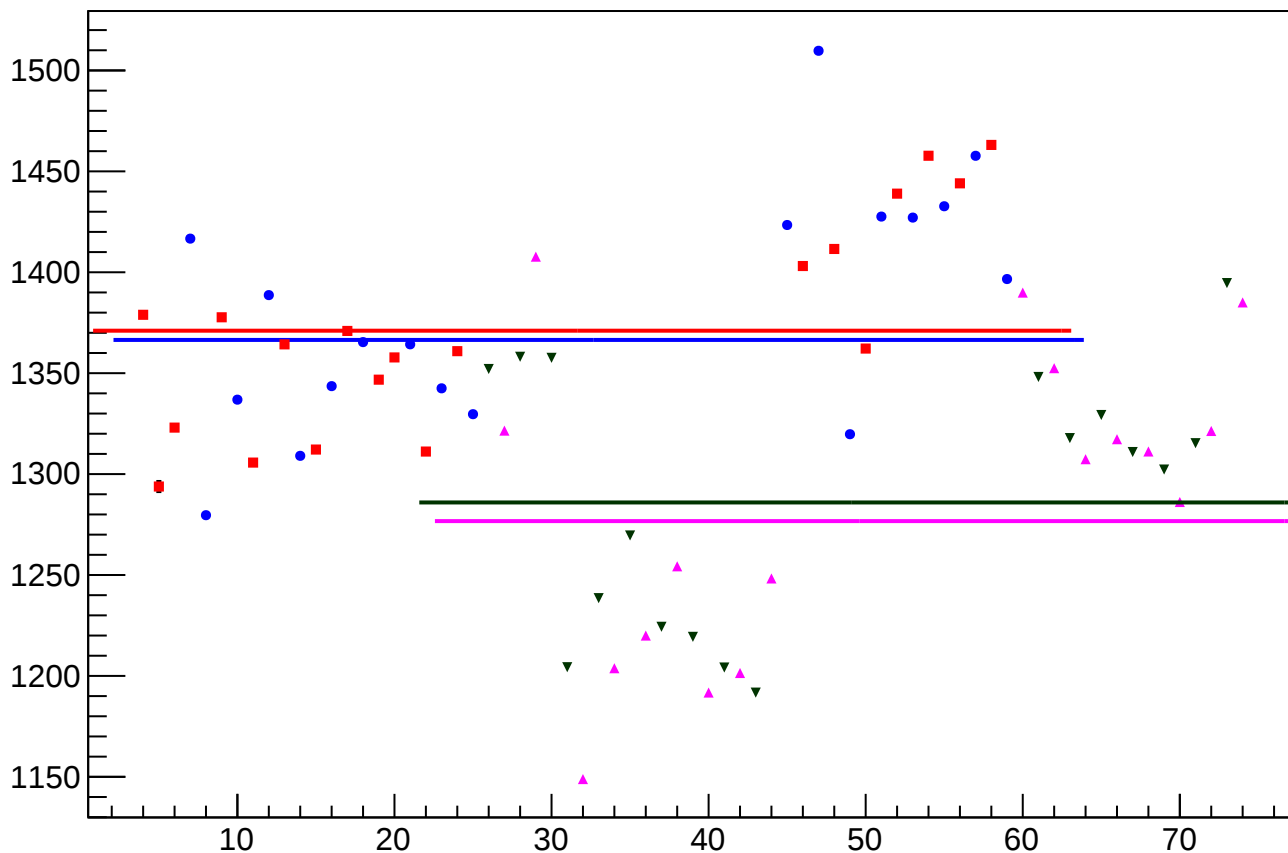
Right Out: -1.724 $\pm$ 0.434 χ^2 /NDF: 1071.7/18

Left In: 34.478 $\pm$ 0.411 χ^2 /NDF: 1852.2/16

11.827 $\pm$ 0.296 χ^2 /NDF: 19830.4/34

17.368 $\pm$ 0.298 χ^2 /NDF: 6594.4/35

diff_bpm2i01Y_rms vs slug



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

Left Out: 1285.947 $\pm$ 0.305 χ^2 /NDF: 43146.9/16

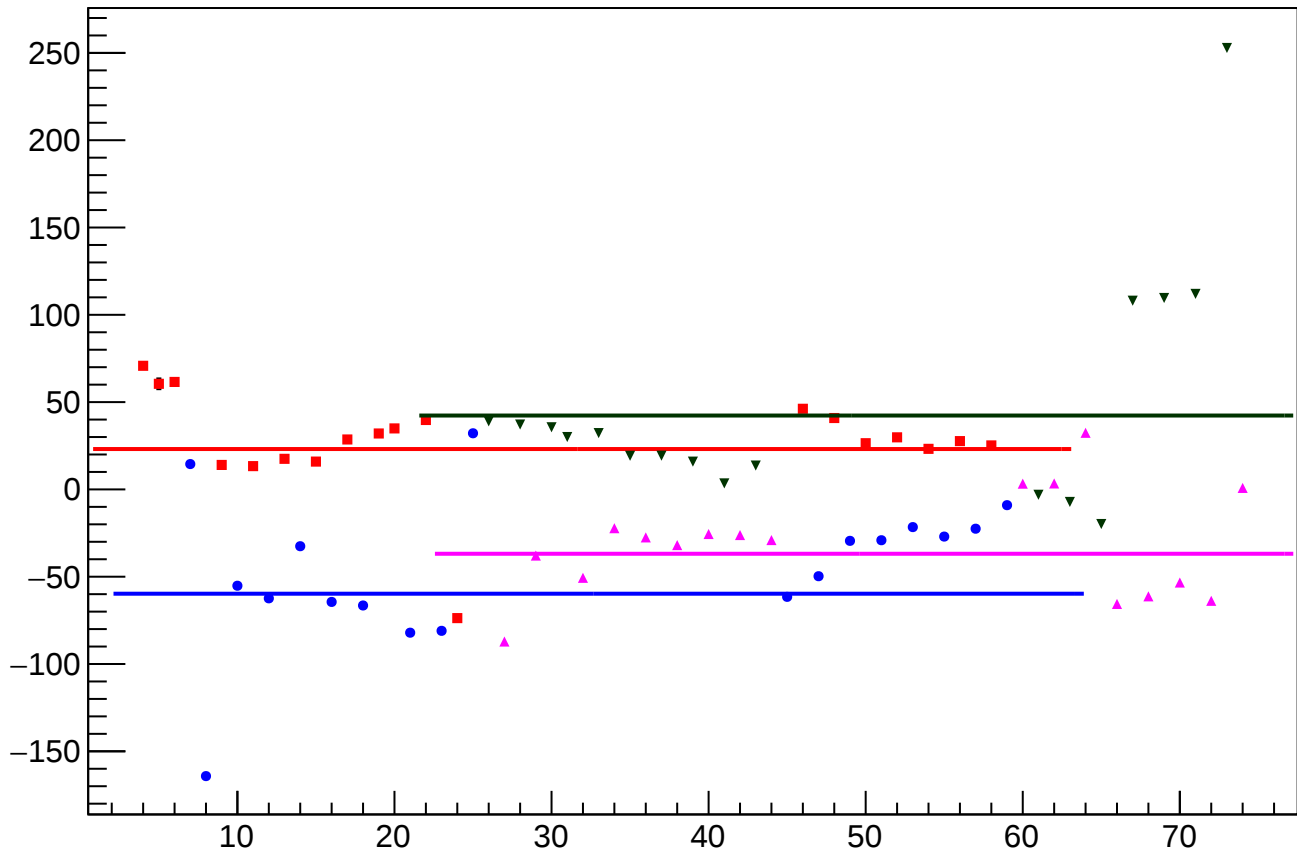
Right Out: 1371.055 $\pm$ 0.307 χ^2 /NDF: 24860.5/18

Left In: 1276.704 $\pm$ 0.290 χ^2 /NDF: 74201.4/16

1328.439 $\pm$ 0.210 χ^2 /NDF: 118589.4/34

1321.298 $\pm$ 0.211 χ^2 /NDF: 148924.8/35

diff_bpm2i02X_mean vs slug



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

Left Out: 42.314 ± 0.390 $\chi^2/\text{NDF}: 21315.3/16$

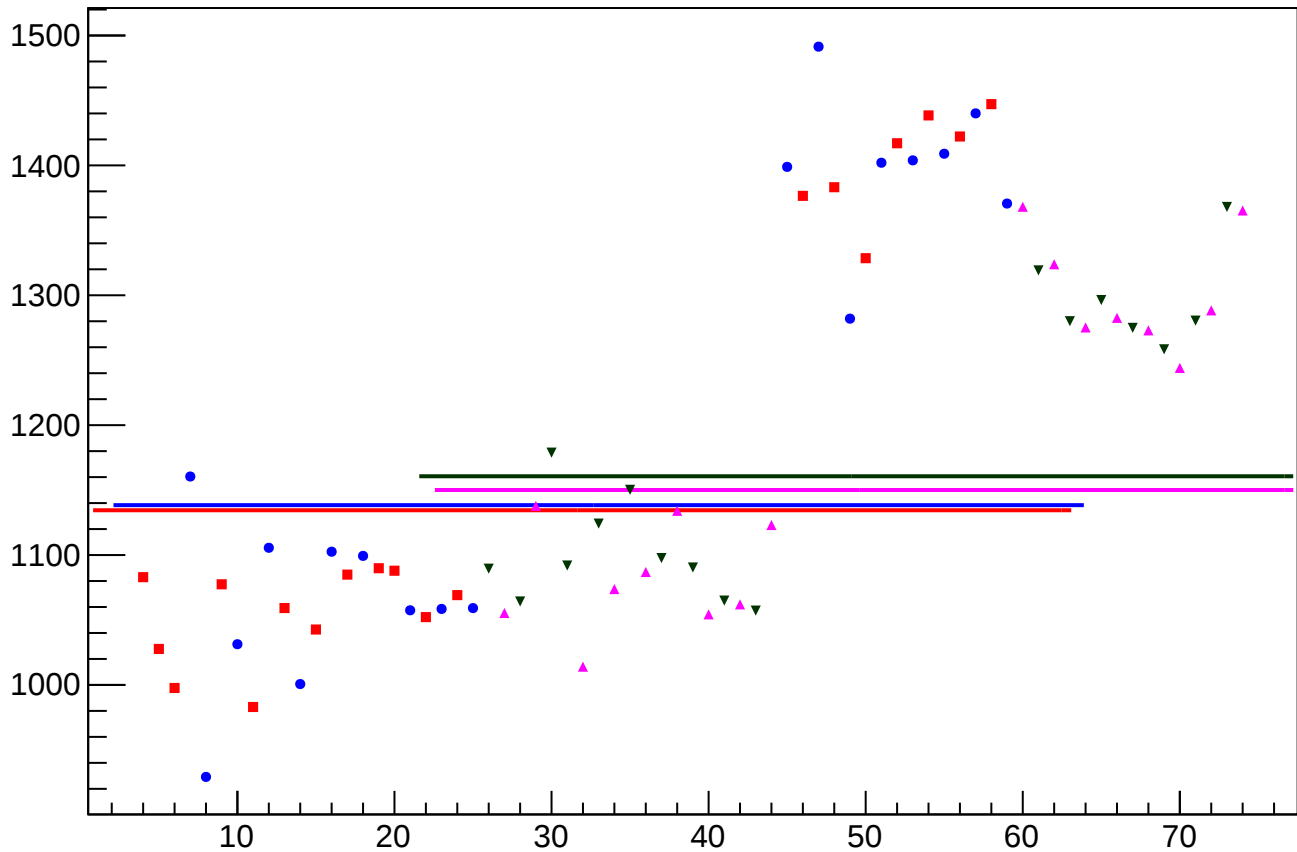
Right Out: 23.126 ± 0.362 $\chi^2/\text{NDF}: 7355.2/18$

Left In: -36.857 ± 0.371 $\chi^2/\text{NDF}: 5997.4/16$

-15.231 ± 0.258 $\chi^2/\text{NDF}: 78650.4/34$

-6.085 ± 0.259 $\chi^2/\text{NDF}: 26738.0/35$

diff_bpm2i02X_rms vs slug



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

Left Out: 1160.658 $\pm$ 0.276 χ^2 /NDF:128053.1/16

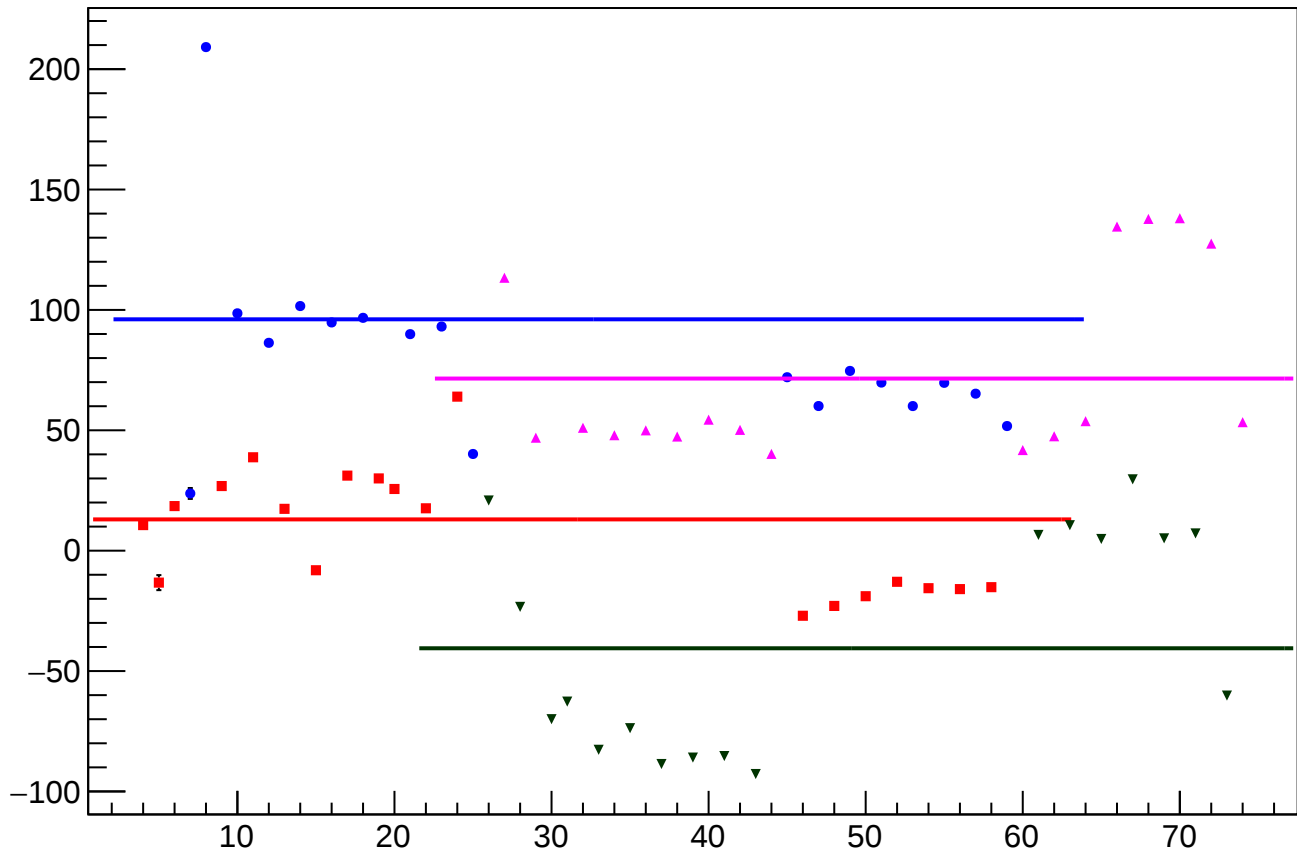
Right Out: 1134.479 $\pm$ 0.256 χ^2 /NDF: 360721.2/18

Left In: 1150.080 $\pm$ 0.263 χ^2 /NDF:186532.4/16

1148.113 $\pm$ 0.182 χ^2 /NDF: 619794.9/34

1142.076 $\pm$ 0.183 χ^2 /NDF: 549064.5/35

diff_bpm2i02Y_mean vs slug



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

Left Out: -40.537 $\pm$ 0.386 χ^2 /NDF:13164.1/16

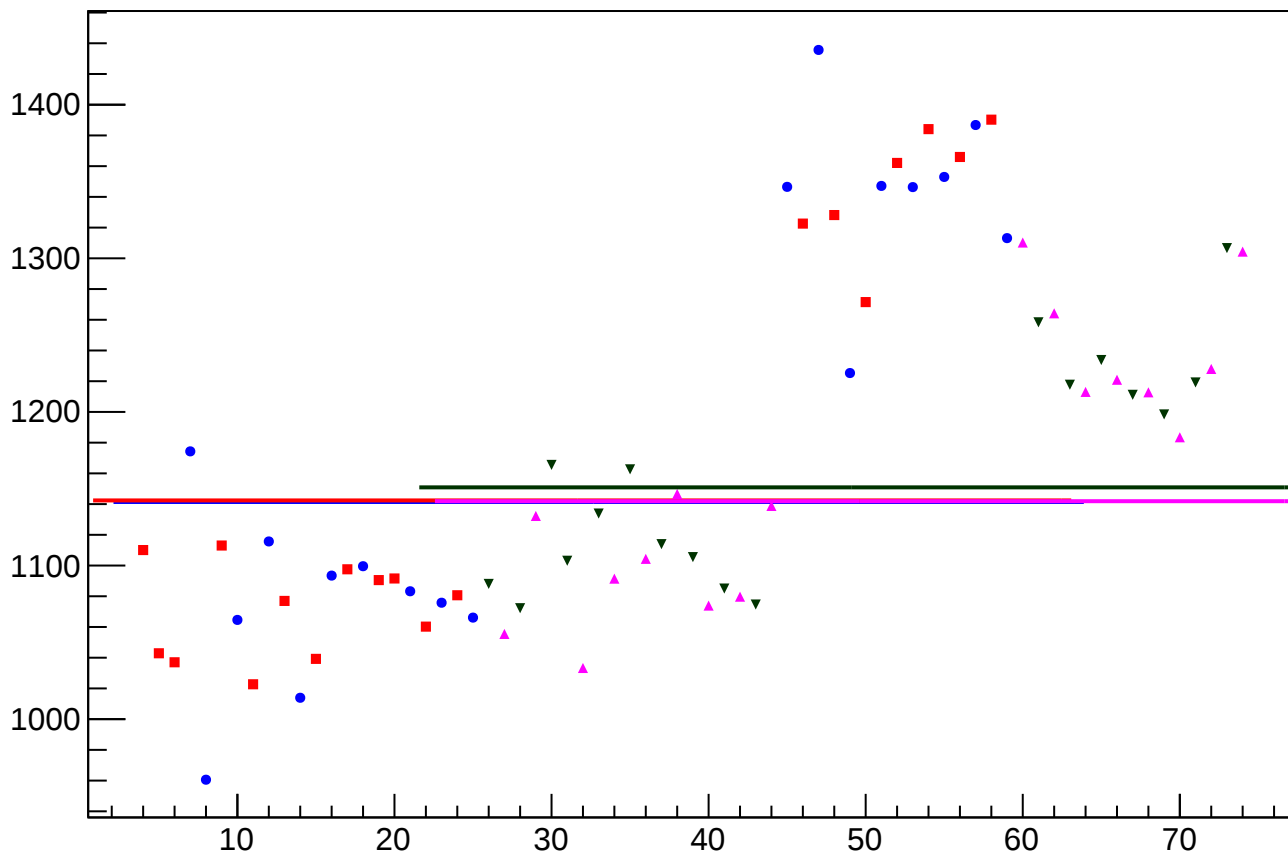
Right Out: 12.992 $\pm$ 0.363 χ^2 /NDF: 4541.3/18

Left In: 71.493 $\pm$ 0.368 χ^2 /NDF:9626.1/16

35.859 $\pm$ 0.256 χ^2 /NDF: 100286.5/34

41.877 $\pm$ 0.258 χ^2 /NDF: 26973.2/35

diff_bpm2i02Y_rms vs slug



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

Left Out: 1150.895+/-0.273 χ^2/NDF : 61745.6/16

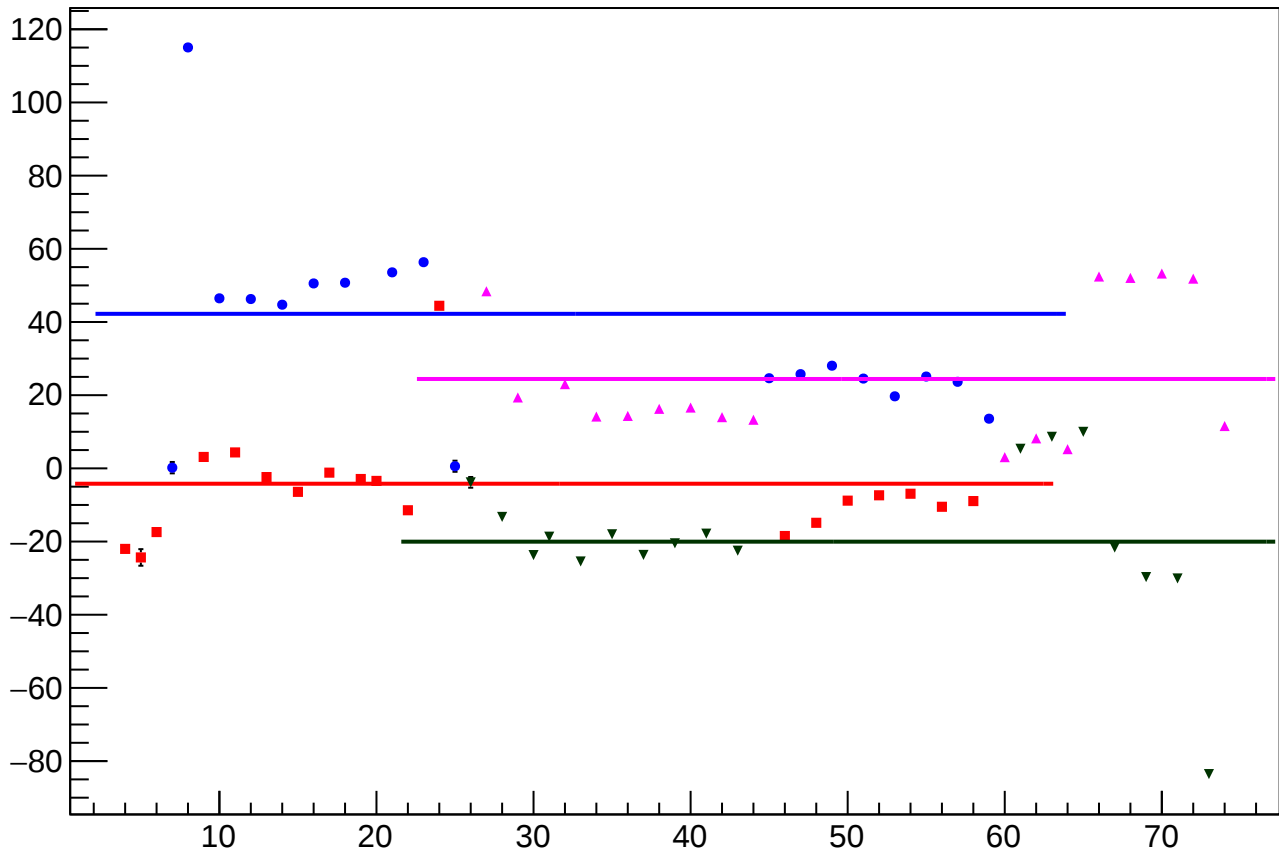
Right Out: 1142.390+/-0.257 χ^2/NDF : 236212.3/18

Left In: 1141.887+/-0.260 χ^2/NDF : 101486.9/16

1145.574+/-0.181 χ^2/NDF : 391731.1/34

1142.141+/-0.183 χ^2/NDF : 337701.0/35

diff_bpm1i04X_mean vs slug



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

Left Out: -20.032+/-0.247 χ^2/NDF : 6687.3/16

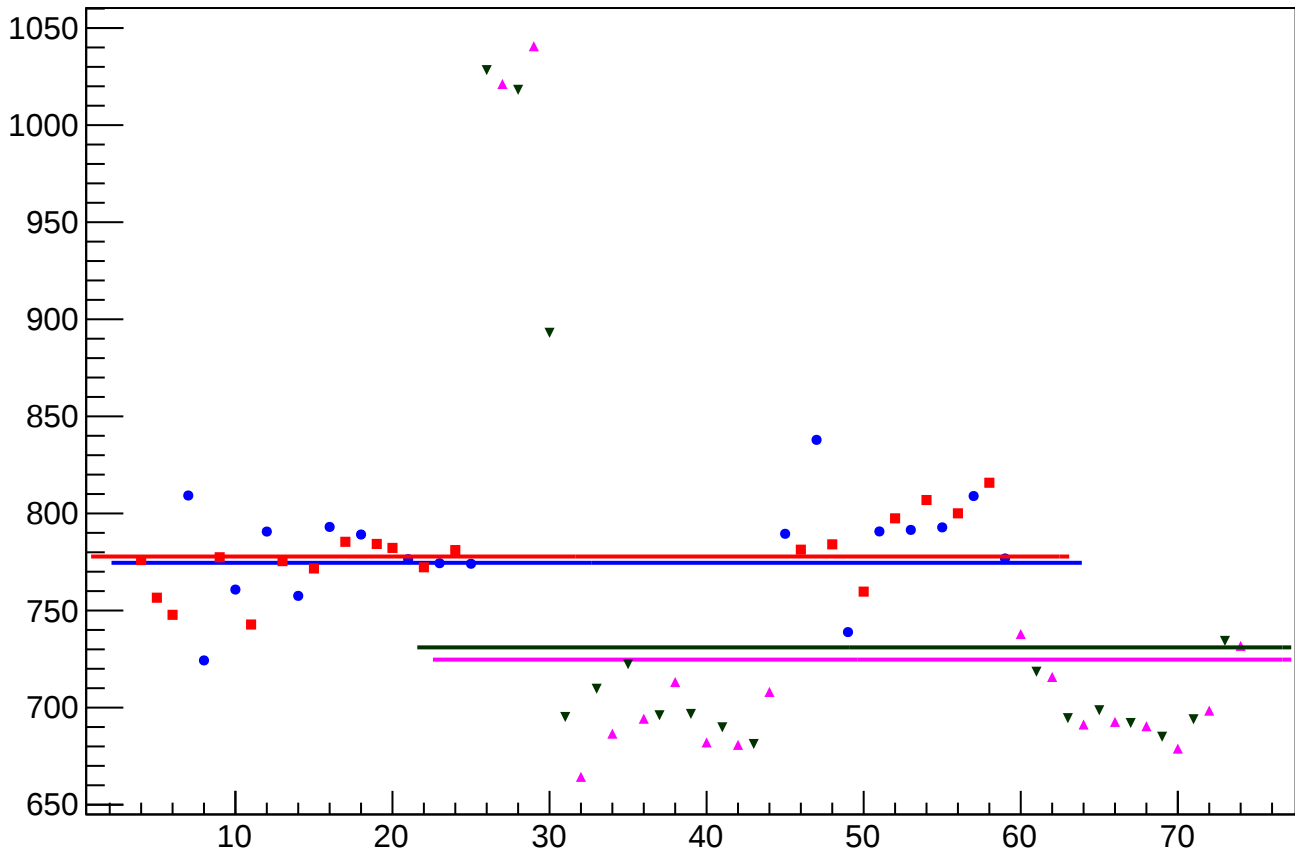
Right Out: -4.198+/-0.246 χ^2/NDF : 3378.3/18

Left In: 24.428+/-0.235 χ^2/NDF : 5667.5/16

13.173+/-0.169 χ^2/NDF : 54921.5/34

10.770+/-0.170 χ^2/NDF : 16139.2/35

diff_bpm1i04X_rms vs slug



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

Left Out: 731.021+/-0.175 χ^2/NDF : 270554.2/16

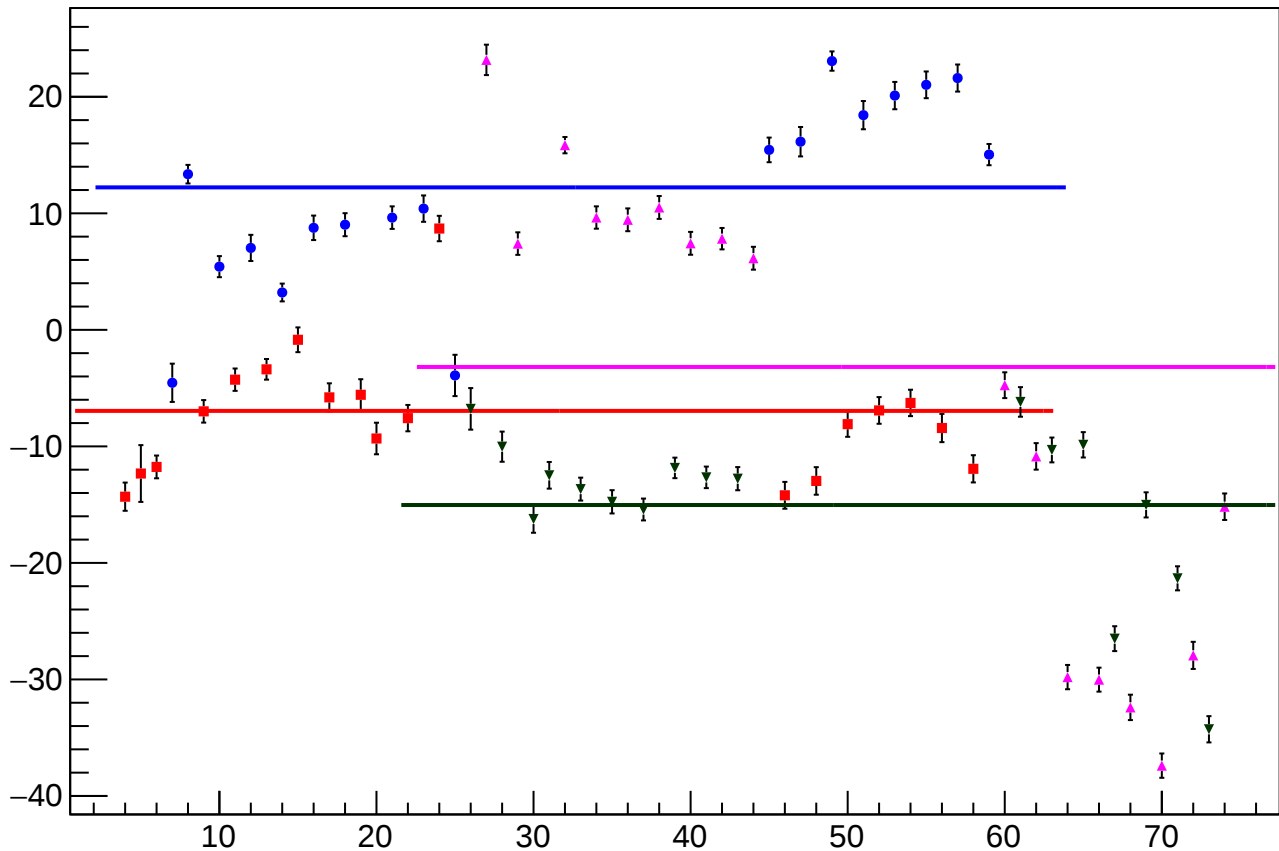
Right Out: 777.816+/-0.174 χ^2/NDF : 11180.5/18

Left In: 724.725+/-0.166 χ^2/NDF : 344038.3/16

754.252+/-0.119 χ^2/NDF : 330141.0/34

750.055+/-0.120 χ^2/NDF : 404019.2/35

diff_bpm1i04Y_mean vs slug



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

Left Out: -15.032 ± 0.259 χ^2/NDF : 604.6/16

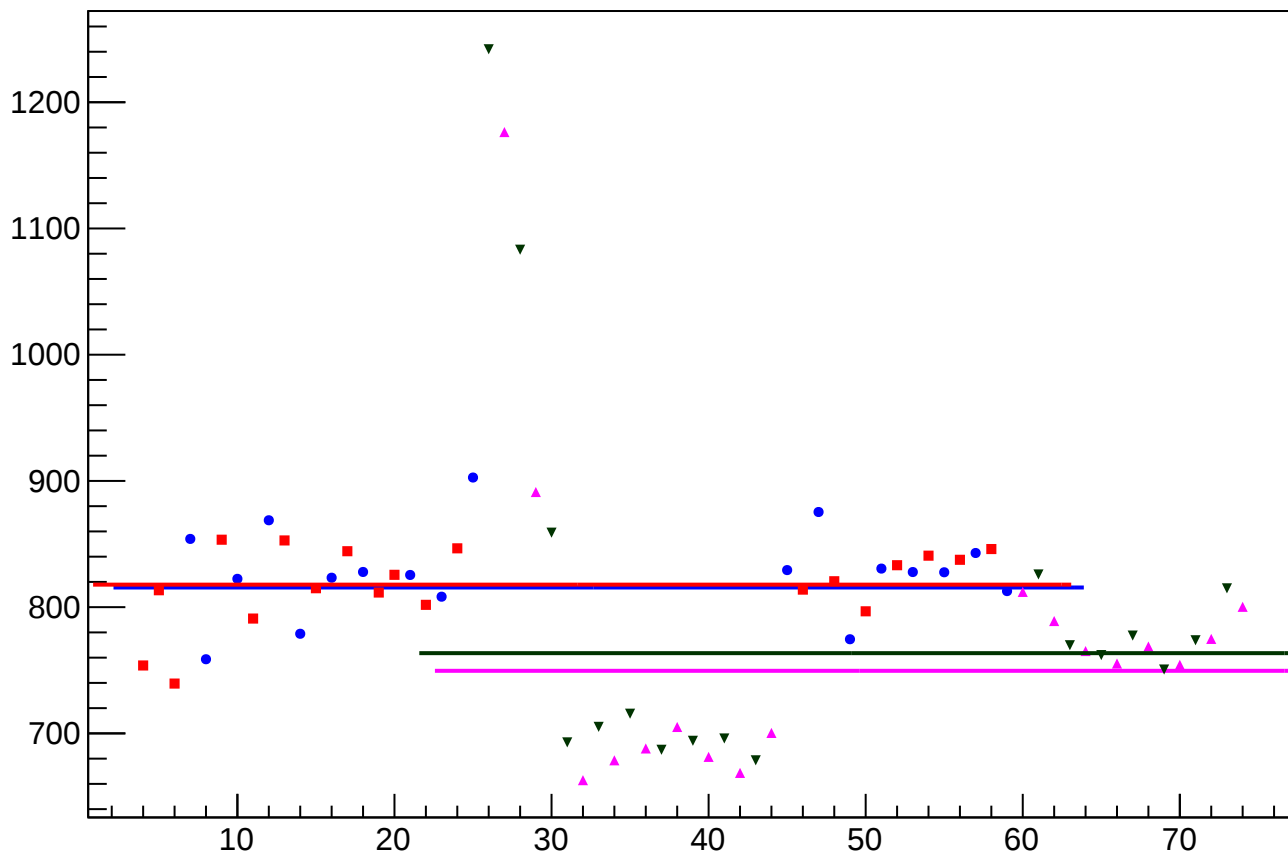
Right Out: -6.954 ± 0.259 χ^2/NDF : 420.8/18

Left In: -3.184 ± 0.244 χ^2/NDF : 5894.5/16

-0.537 ± 0.178 χ^2/NDF : 7305.5/34

-4.953 ± 0.177 χ^2/NDF : 6427.6/35

diff_bpm1i04Y_rms vs slug



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

Left Out: 763.565 ± 0.183 χ^2/NDF : 359294.1/16

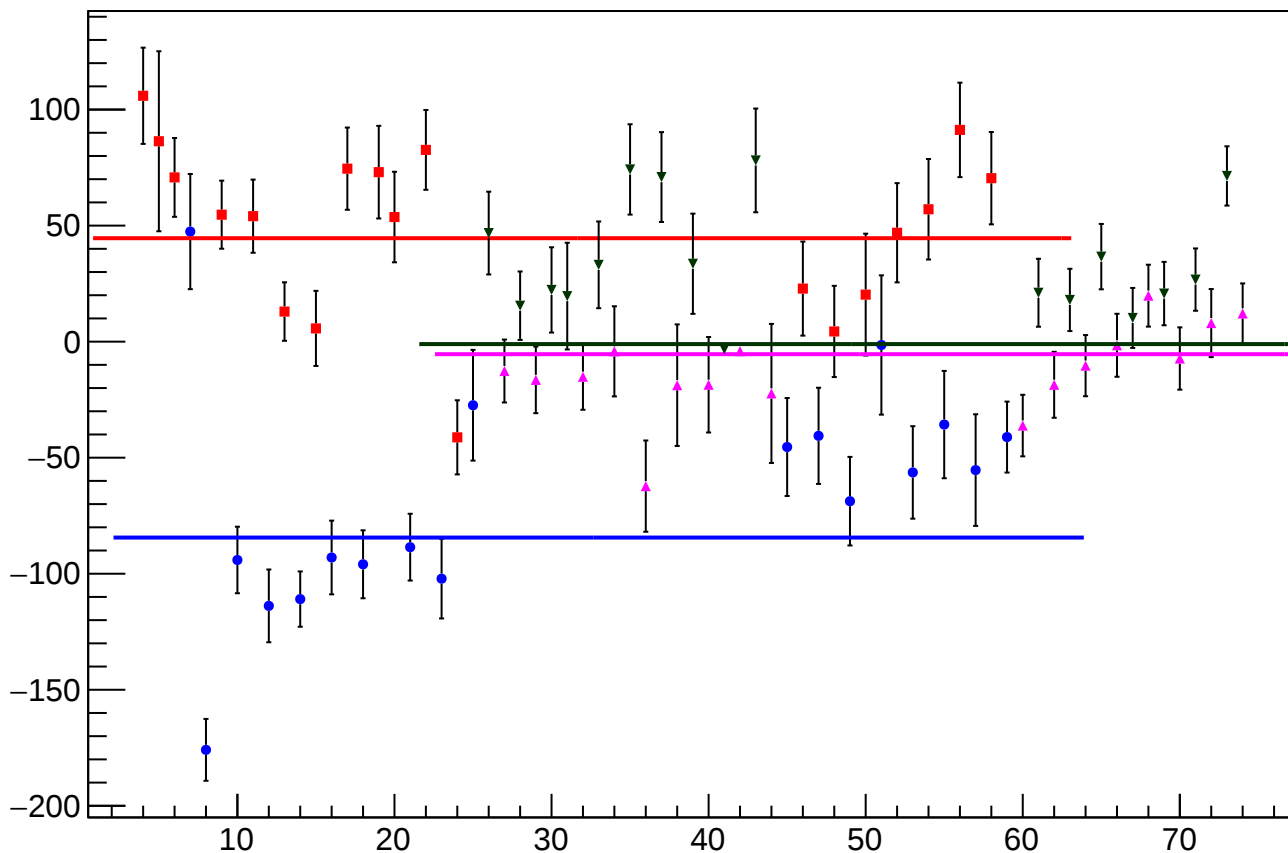
Right Out: 817.840 ± 0.183 χ^2/NDF : 32410.2/18

Left In: 749.577 ± 0.172 χ^2/NDF : 355244.3/16

791.221 ± 0.126 χ^2/NDF : 439662.2/34

781.611 ± 0.125 χ^2/NDF : 461359.4/35

diff_bpm0l02X_mean vs slug



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

Left Out: -1.050 ± 0.955 χ^2/NDF : 114.1/16

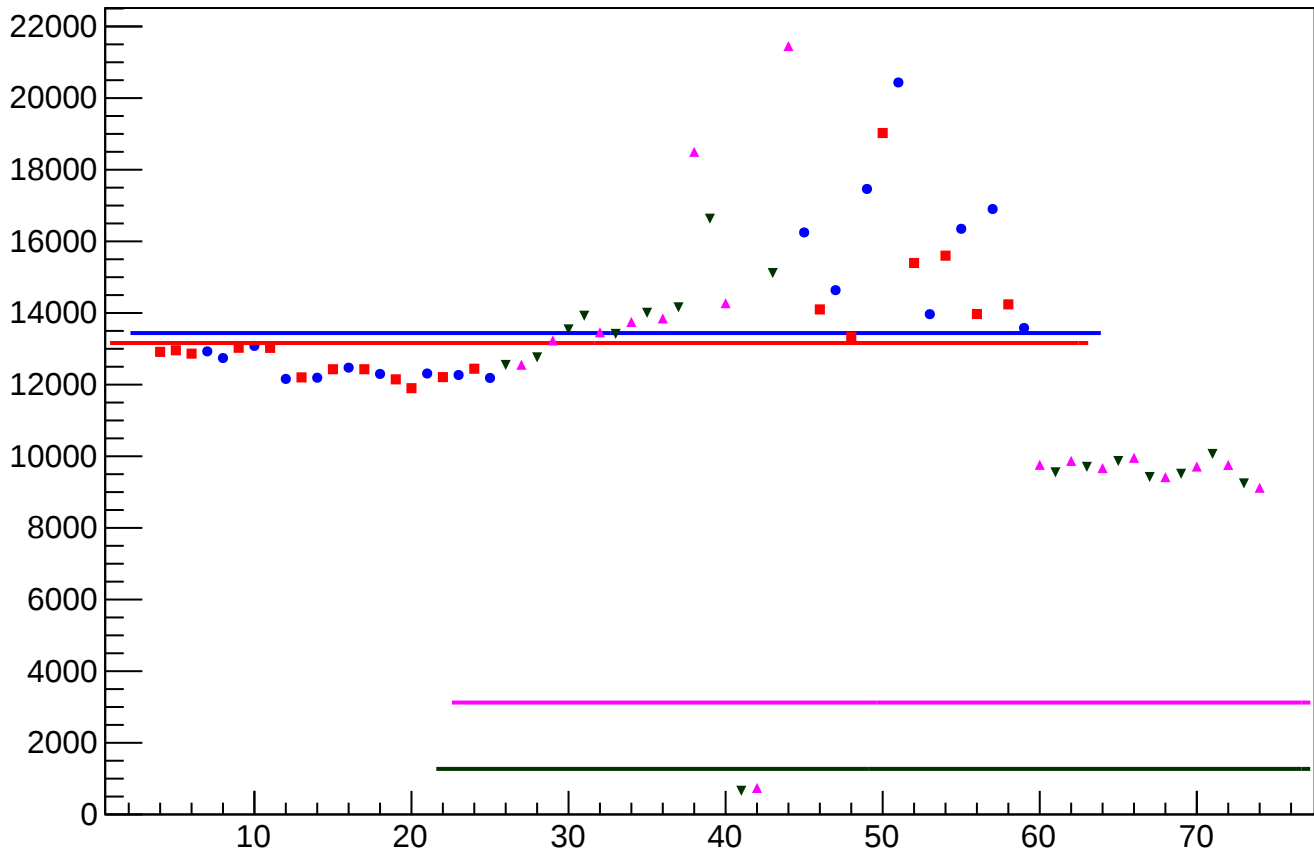
Right Out: 44.573 ± 4.203 χ^2/NDF : 77.6/18

Left In: -5.405 ± 1.812 χ^2/NDF : 23.8/16

-5.418 ± 0.929 χ^2/NDF : 637.8/34

2.433 ± 1.664 χ^2/NDF : 220.6/35

diff_bpm0l02X_rms vs slug



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

Left Out: 1272.236+/-0.675 χ^2/NDF :13983750.0/16

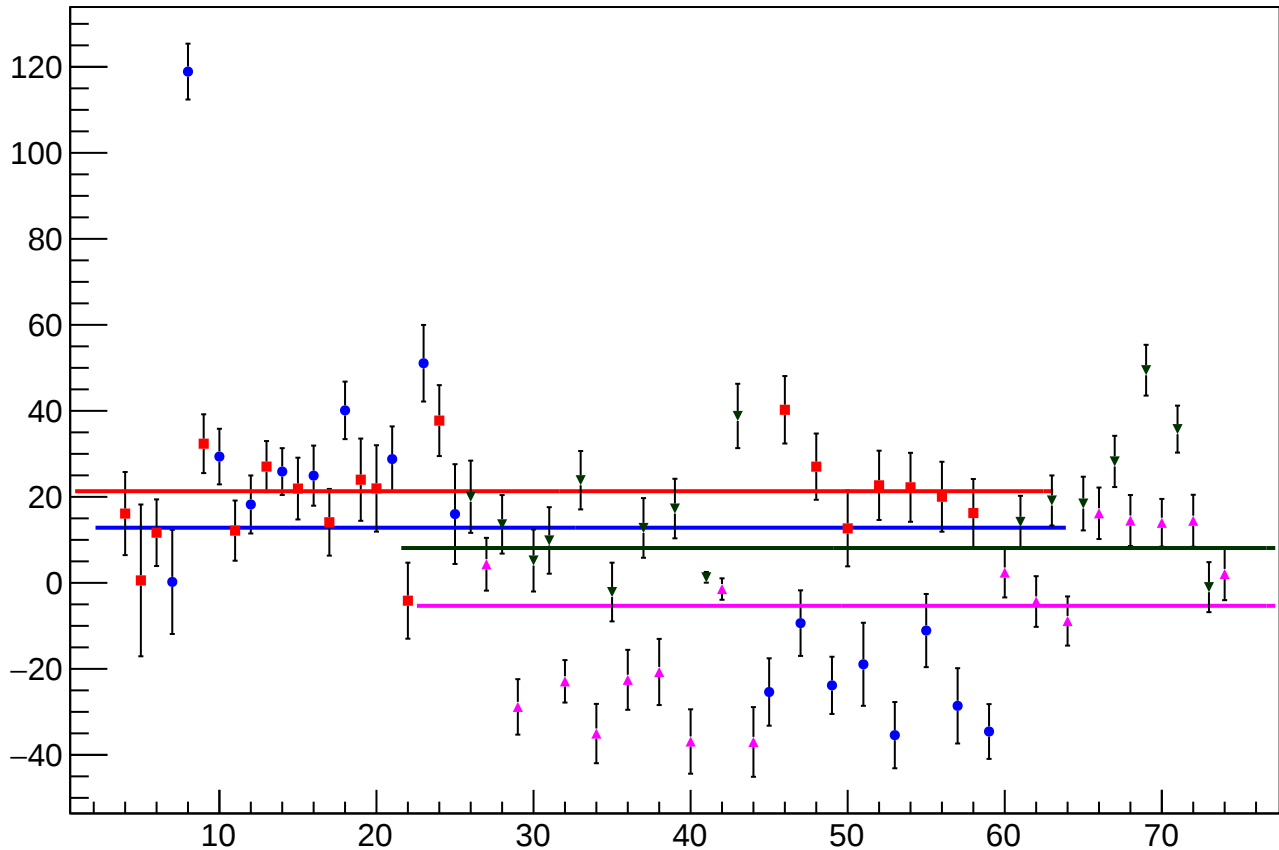
1909.822+/-0.657 χ^2/NDF : 31411422.1/34

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

4698.477+/-1.177 χ^2/NDF : 22456346.6/35

Left In: 3124.309+/-1.282 χ^2/NDF :12630252.1/16

diff_bpm0l02Y_mean vs slug



Right In: 12.827+/-1.752 χ^2/NDF : 521.8/17

Left Out: 8.103+/-0.990 χ^2/NDF : 155.4/16

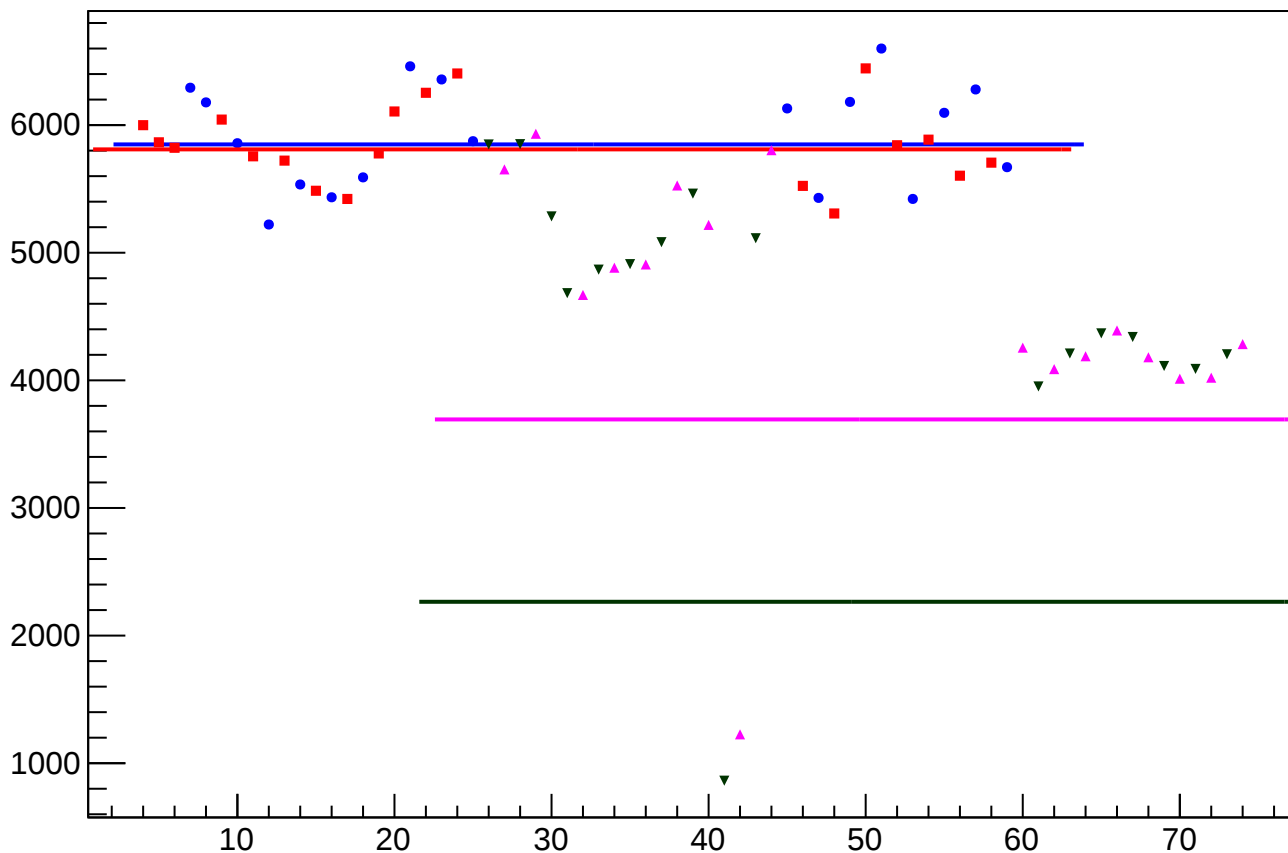
Right Out: 21.314+/-1.847 χ^2/NDF : 29.5/18

Left In: -5.336+/-1.317 χ^2/NDF : 143.1/16

9.246+/-0.862 χ^2/NDF : 682.6/34

3.644+/-1.072 χ^2/NDF : 310.7/35

diff_bpm0l02Y_rms vs slug



Right In: 5848.690 $\pm$ 1.239 χ^2 /NDF: 101335.3/17

Left Out: 2264.922 $\pm$ 0.700 χ^2 /NDF: 7126195.7/16

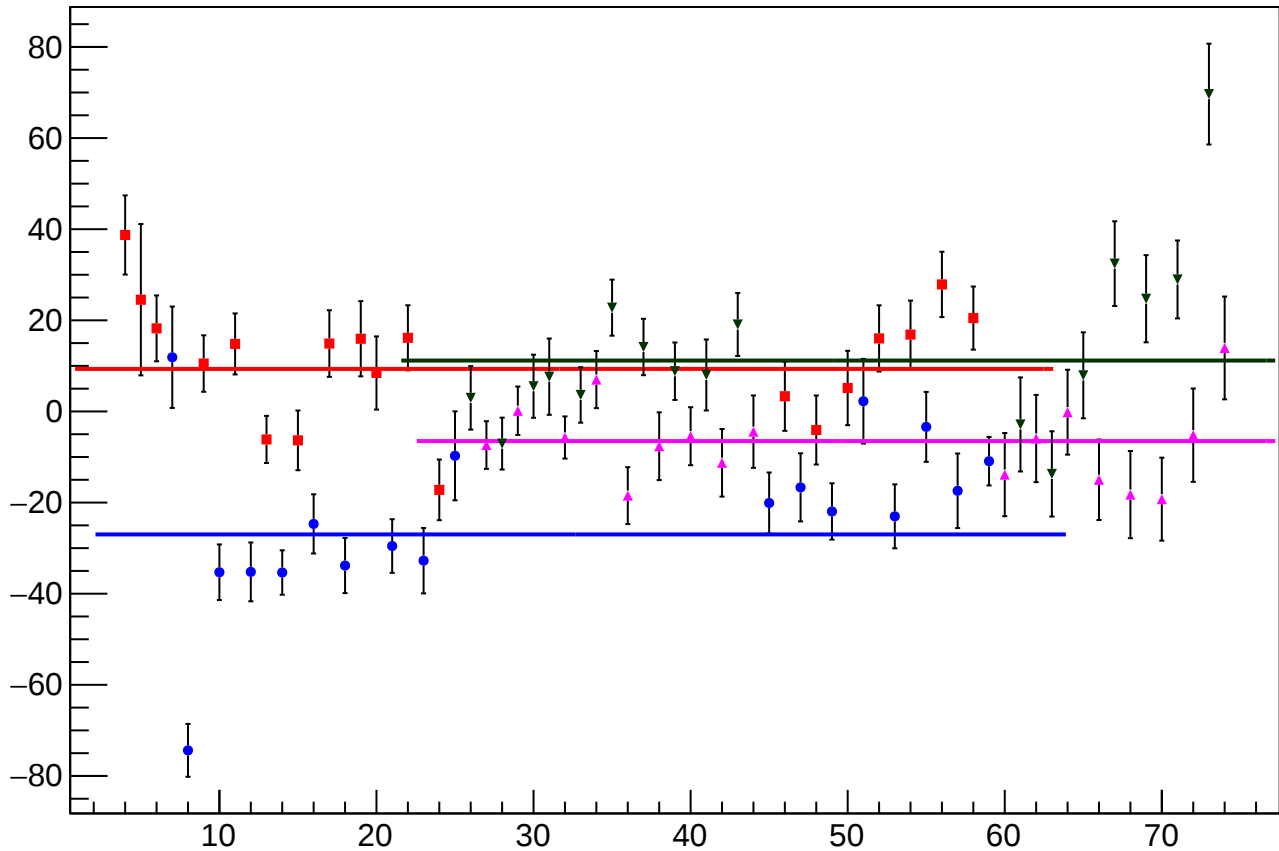
Right Out: 5809.767 $\pm$ 1.306 χ^2 /NDF: 53321.4/18

Left In: 3693.768 $\pm$ 0.931 χ^2 /NDF: 3053492.1/16

3131.678 $\pm$ 0.609 χ^2 /NDF: 13569032.2/34

4406.753 $\pm$ 0.758 χ^2 /NDF: 4847327.1/35

diff_bpm0l03X_mean vs slug



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

-10.619 ± 1.186 $\chi^2/\text{NDF}: 446.1/34$

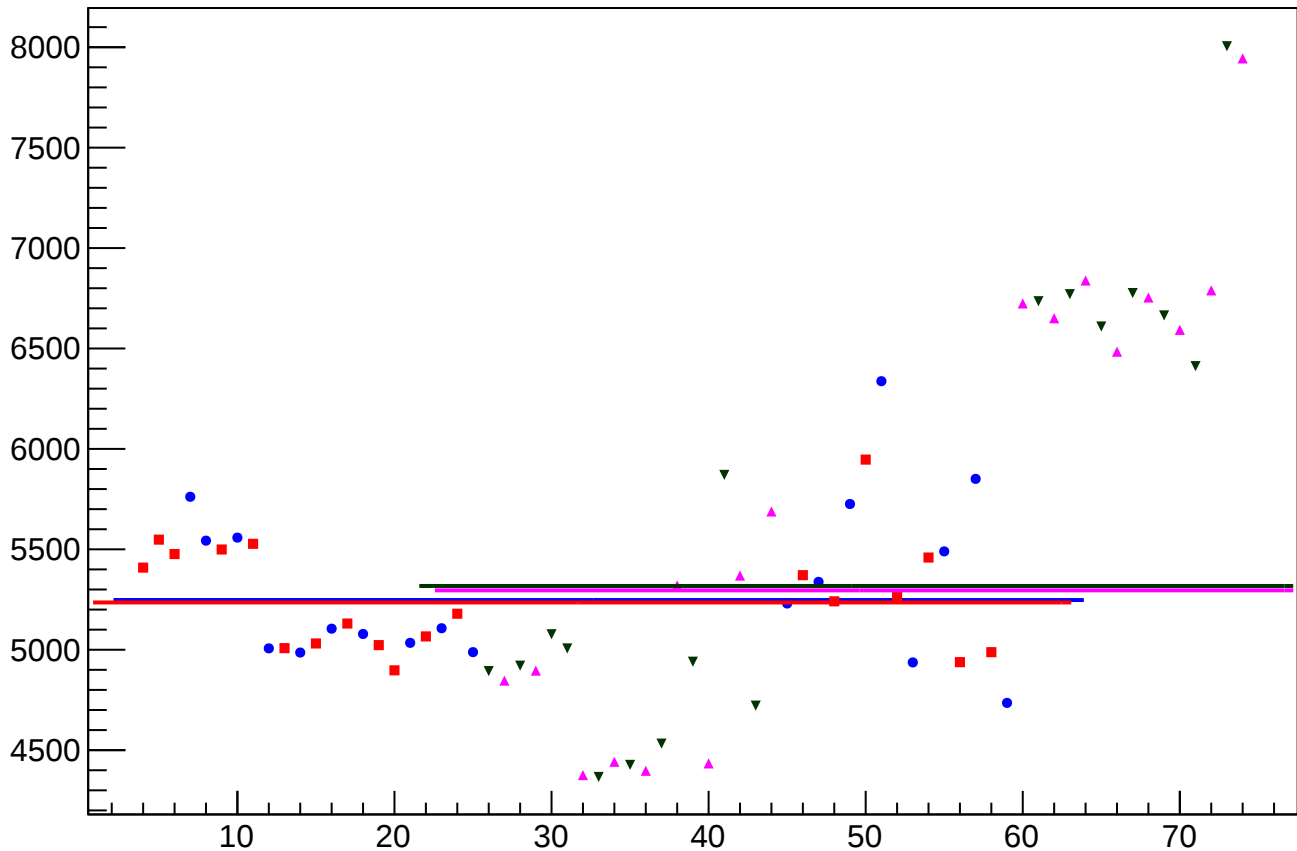
Left Out: 11.173 ± 1.811 $\chi^2/\text{NDF}: 68.0/16$

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

1.748 ± 1.198 $\chi^2/\text{NDF}: 125.3/35$

Left In: -6.497 ± 1.730 $\chi^2/\text{NDF}: 19.3/16$

diff_bpm0l03X_rms vs slug



Right In: 5247.571 $\pm$ 1.110 χ^2 /NDF: 105629.3/17

Left Out: 5317.568 $\pm$ 1.280 χ^2 /NDF:540345.7/16

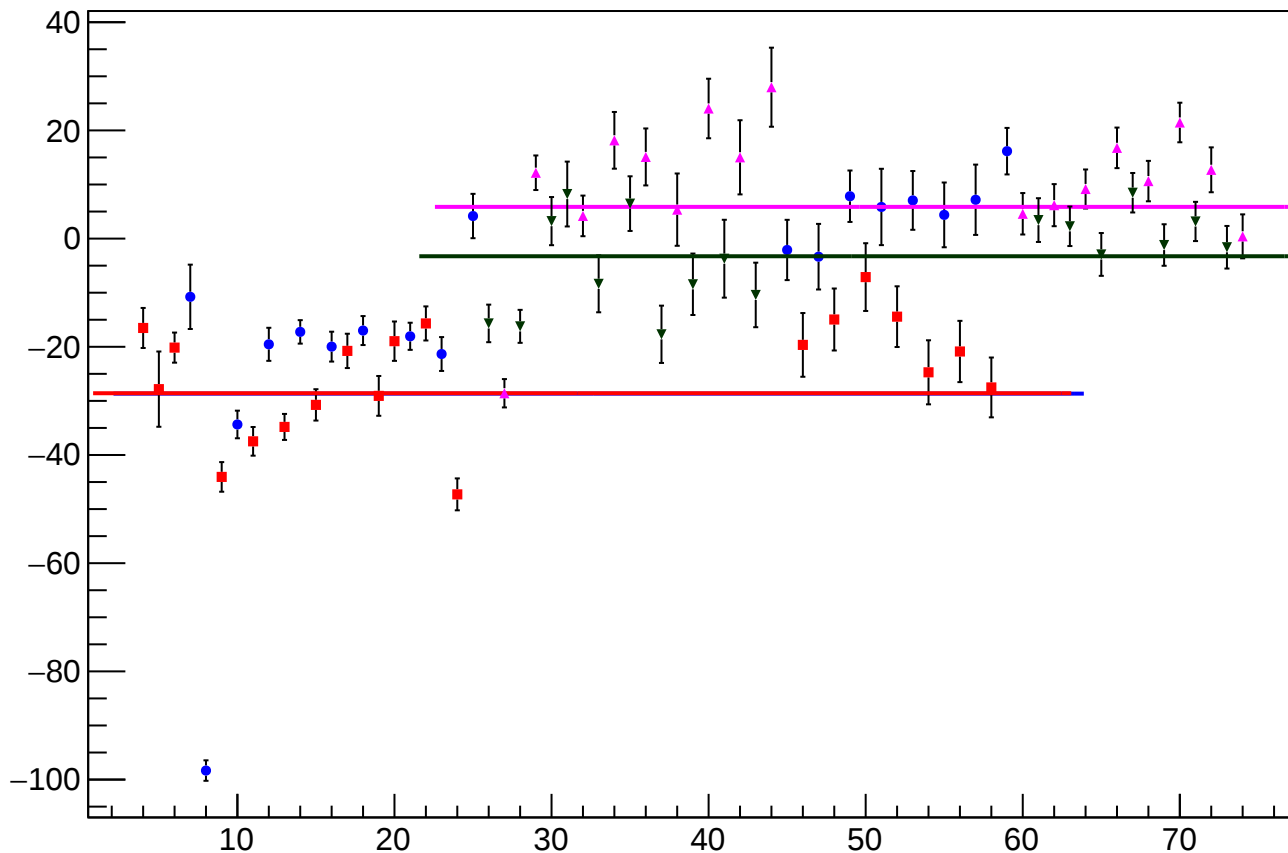
Right Out: 5235.469 $\pm$ 1.173 χ^2 /NDF: 47165.0/18

Left In: 5295.702 $\pm$ 1.223 χ^2 /NDF:645220.4/16

5277.598 $\pm$ 0.839 χ^2 /NDF: 647681.7/34

5264.336 $\pm$ 0.847 χ^2 /NDF: 693648.2/35

diff_bpm0l03Y_mean vs slug



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

Left Out: -3.263 $\pm$ 1.030 χ^2 /NDF: 70.0/16

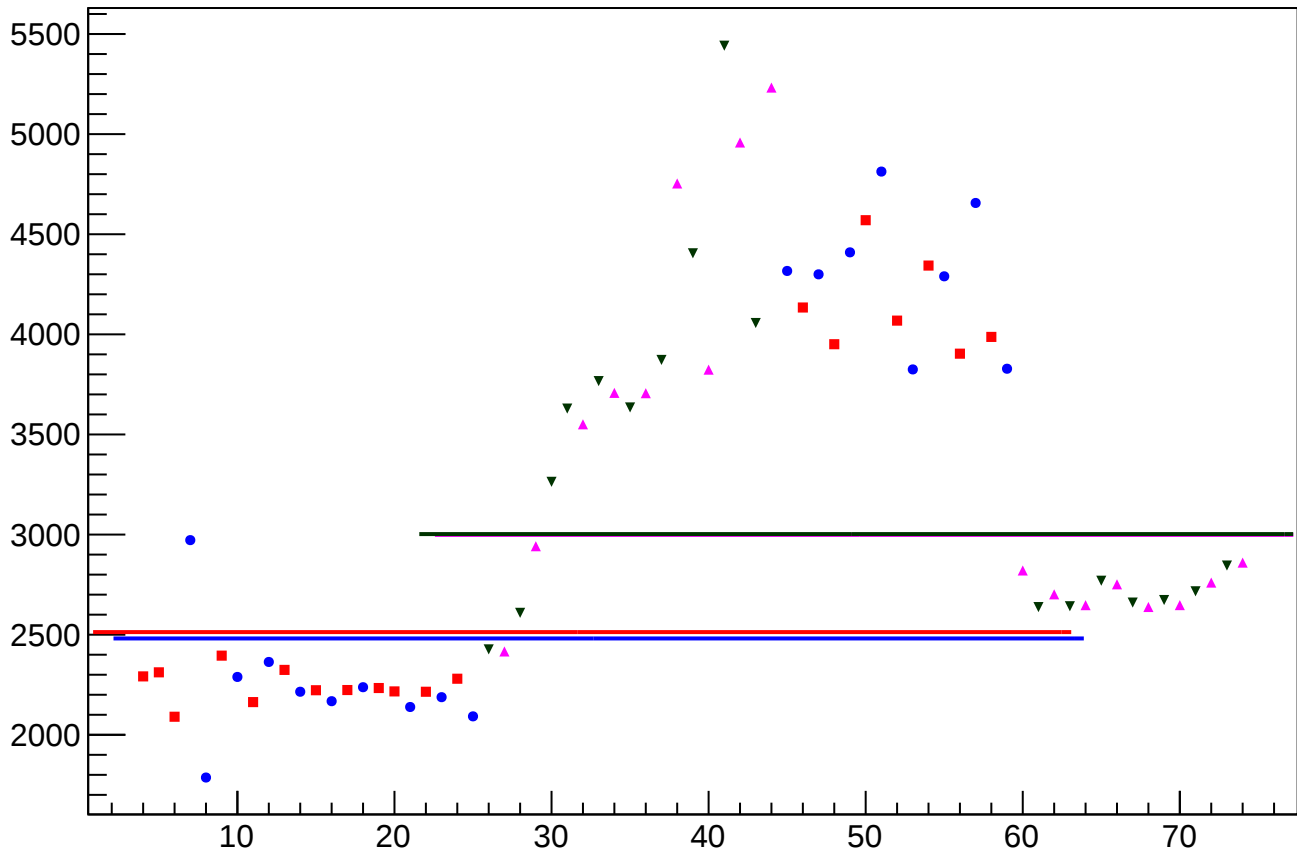
Right Out: -28.584 $\pm$ 0.826 χ^2 /NDF: 168.7/18

Left In: 5.865 $\pm$ 0.985 χ^2 /NDF: 241.2/16

-19.375 $\pm$ 0.623 χ^2 /NDF: 2313.0/34

-14.361 $\pm$ 0.633 χ^2 /NDF: 1127.3/35

diff_bpm0l03Y_rms vs slug



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

Left Out: 3002.446 $\pm$ 0.729 χ^2 /NDF:749260.1/16

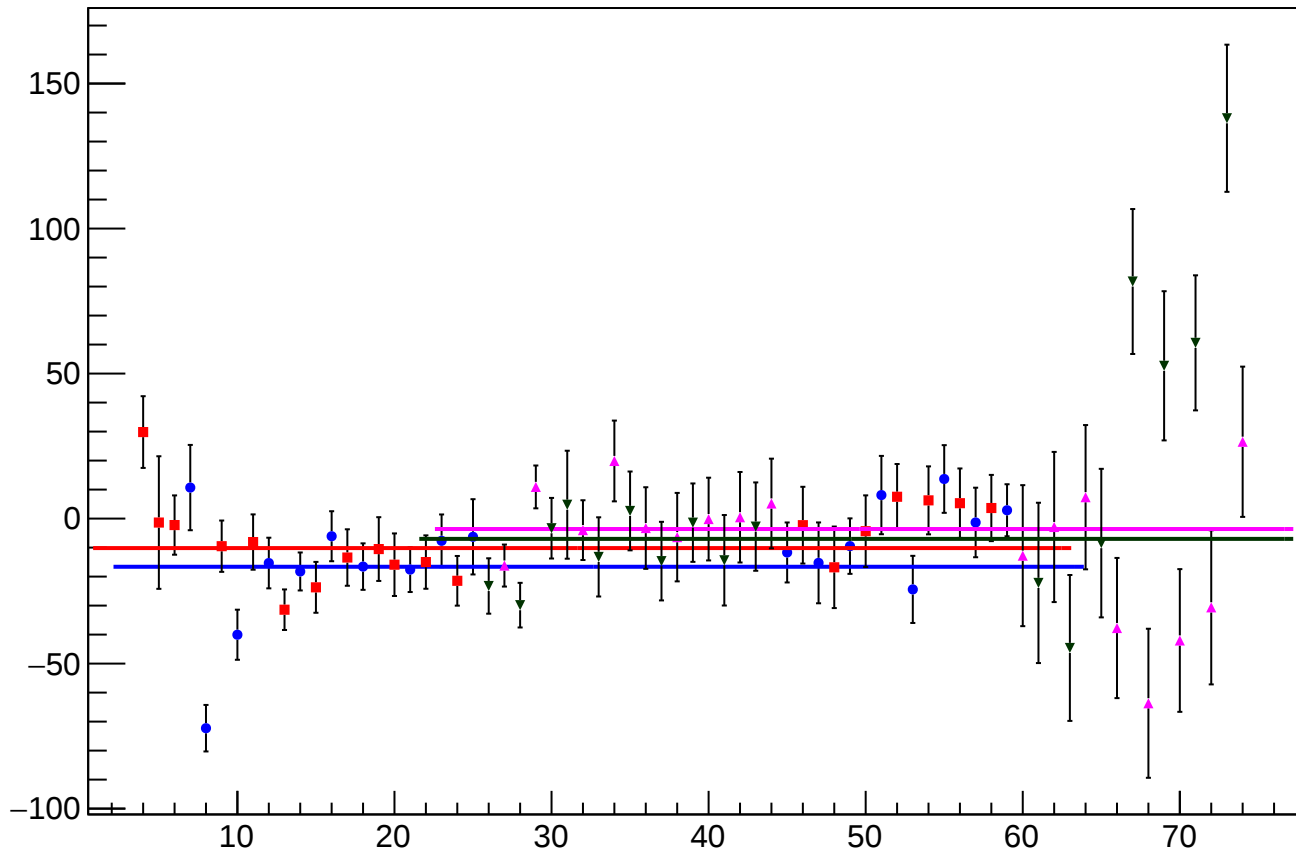
2671.714 $\pm$ 0.440 χ^2 /NDF: 3186382.7/34

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

2713.302 $\pm$ 0.448 χ^2 /NDF: 2421504.0/35

Left In: 2998.231 $\pm$ 0.697 χ^2 /NDF:838159.7/16

diff_bpm0l04X_mean vs slug



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

Left Out: -6.999 ± 3.515 $\chi^2/\text{NDF}: 75.4/16$

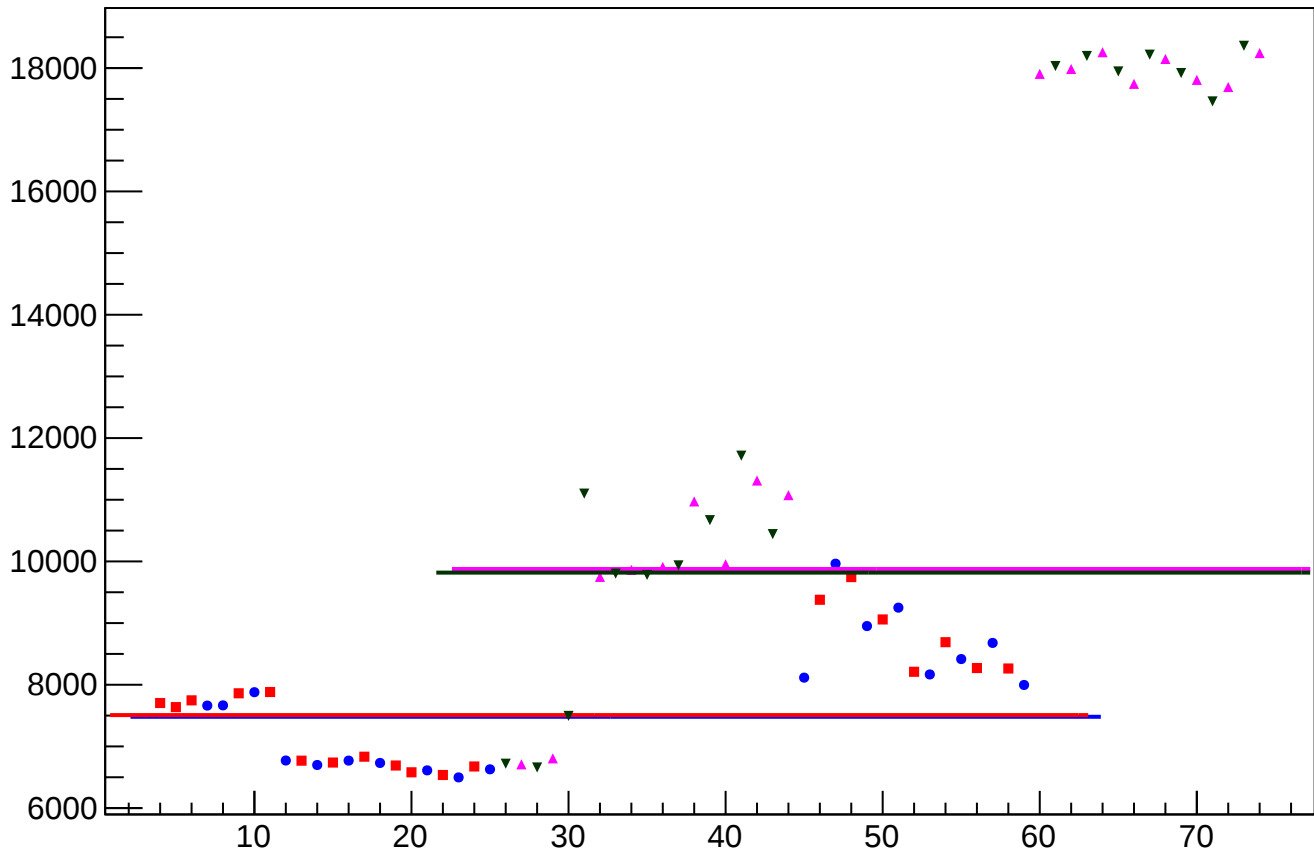
Right Out: -10.172 ± 2.389 $\chi^2/\text{NDF}: 33.7/18$

Left In: -3.595 ± 3.388 $\chi^2/\text{NDF}: 22.8/16$

-13.832 ± 1.890 $\chi^2/\text{NDF}: 160.5/34$

-7.987 ± 1.952 $\chi^2/\text{NDF}: 59.0/35$

diff_bpm0l04X_rms vs slug



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

Left Out: 9818.490+/-2.485 χ^2/NDF : 2163626.1/16

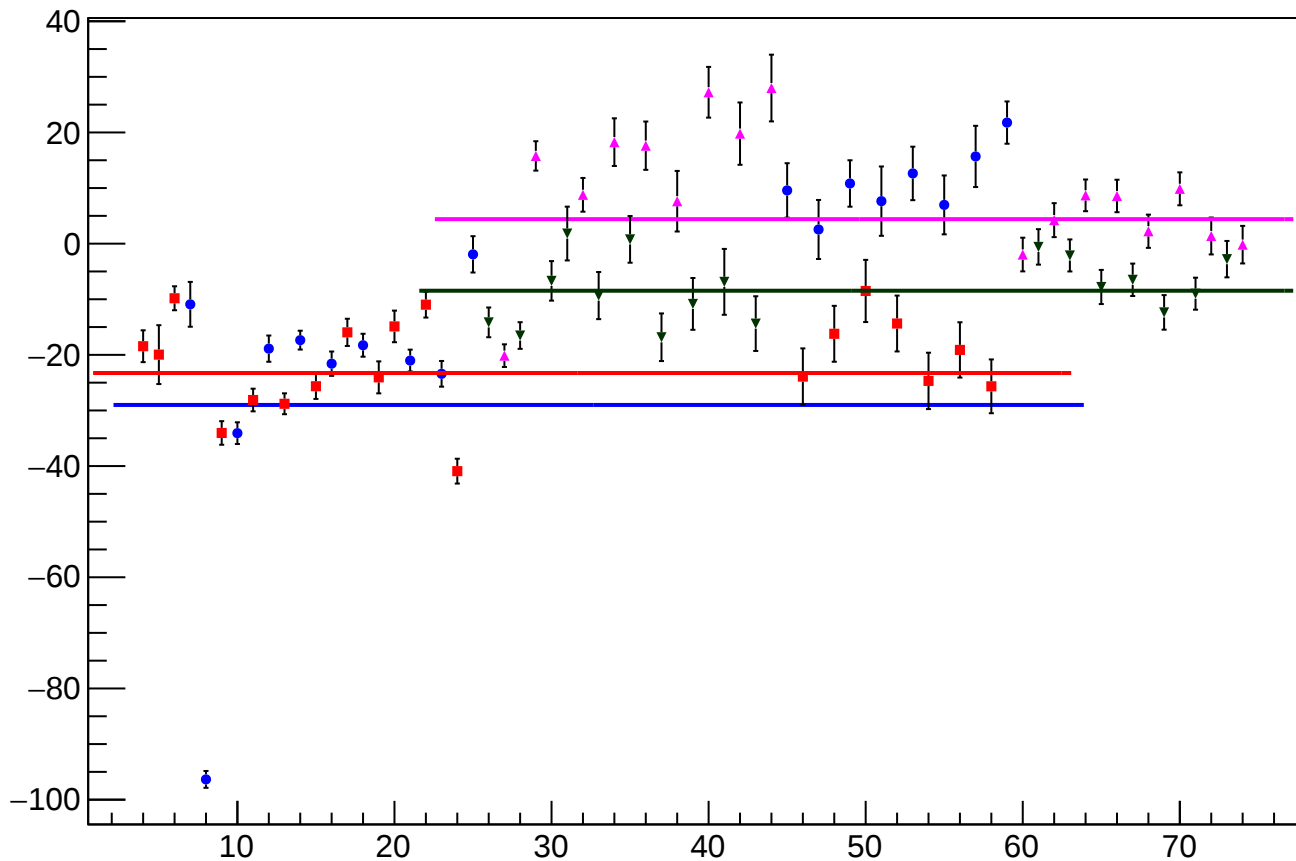
Right Out: 7508.240+/-1.689 χ^2/NDF : 289453.4/18

Left In: 9877.300+/-2.395 χ^2/NDF : 2418191.8/16

8156.695+/-1.336 χ^2/NDF : 3127407.2/34

8295.153+/-1.381 χ^2/NDF : 3360909.8/35

diff_bpm0l04Y_mean vs slug



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

Left Out: -8.465+/-0.822 χ^2/NDF : 47.1/16

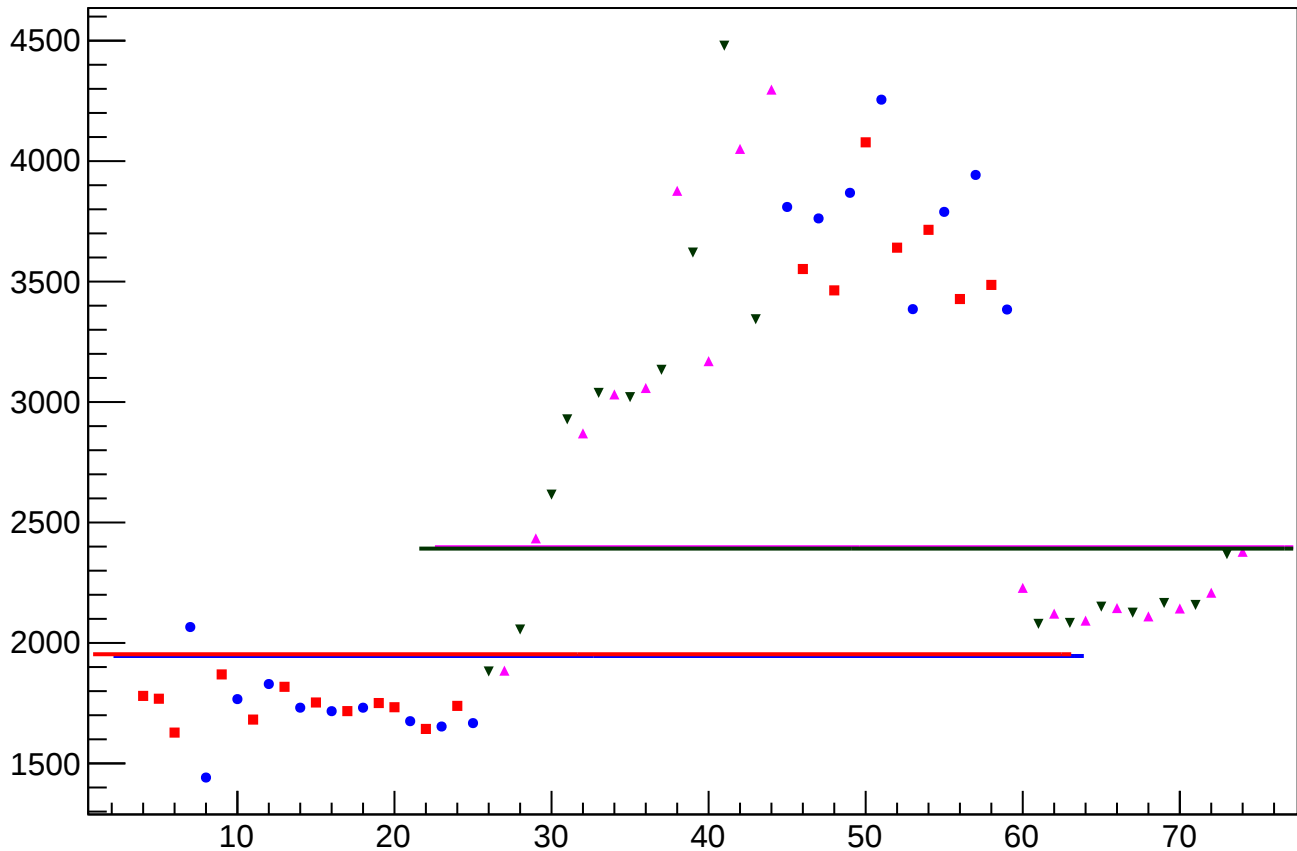
Right Out: -23.263+/-0.648 χ^2/NDF : 204.8/18

Left In: 4.405+/-0.790 χ^2/NDF : 249.1/16

-21.589+/-0.494 χ^2/NDF : 3237.7/34

-12.136+/-0.501 χ^2/NDF : 1187.1/35

diff_bpm0l04Y_rms vs slug



Right In: 1945.876 $\pm$ 0.437 χ^2 /NDF: 2599522.0/17

Left Out: 2391.664 $\pm$ 0.582 χ^2 /NDF:853200.1/16

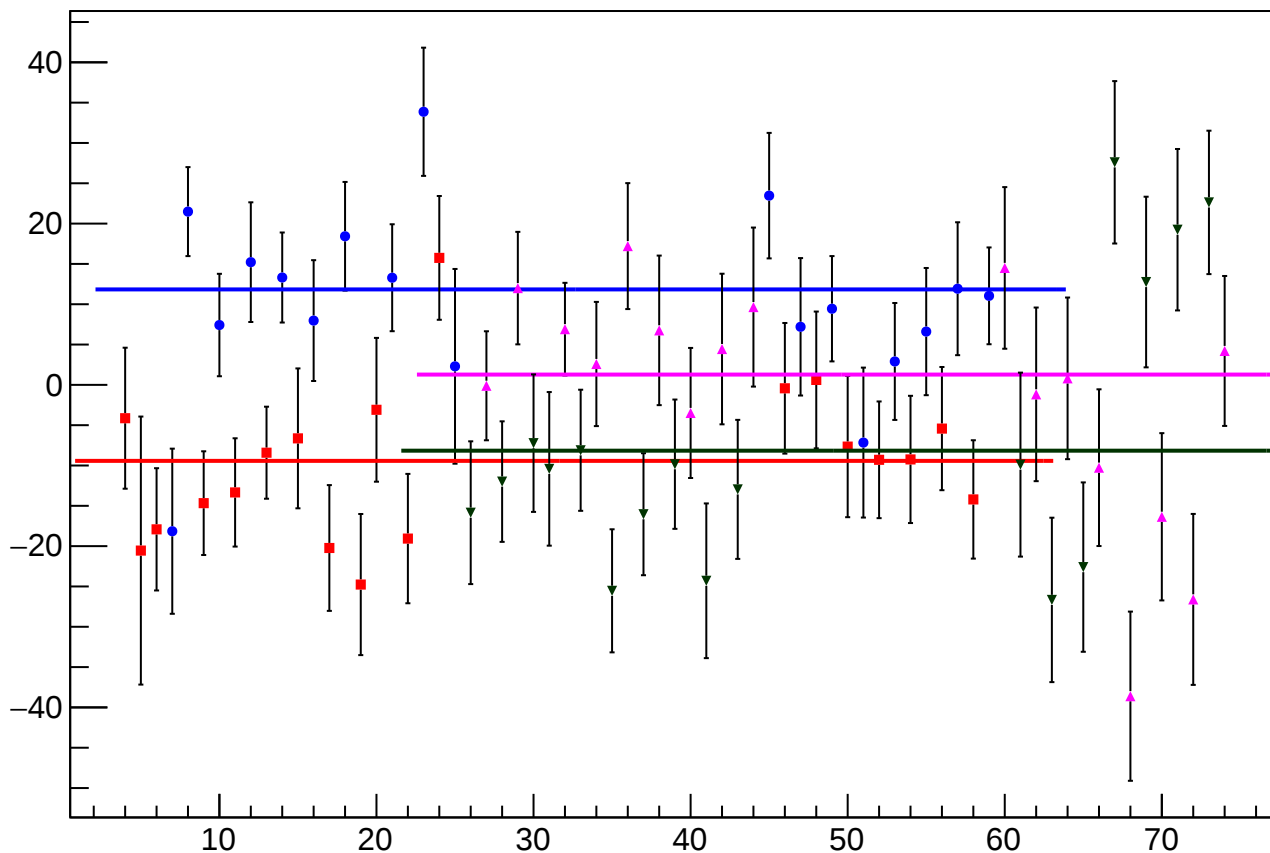
2106.845 $\pm$ 0.349 χ^2 /NDF: 3828108.4/34

Right Out: 1953.157 $\pm$ 0.458 χ^2 /NDF: 1725858.1/18

2131.863 $\pm$ 0.354 χ^2 /NDF: 3049012.0/35

Left In: 2397.545 $\pm$ 0.559 χ^2 /NDF:944844.4/16

diff_bpm0l05X_mean vs slug



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

Left Out: -8.162 $\pm$ 2.154 χ^2 /NDF: 51.7/16

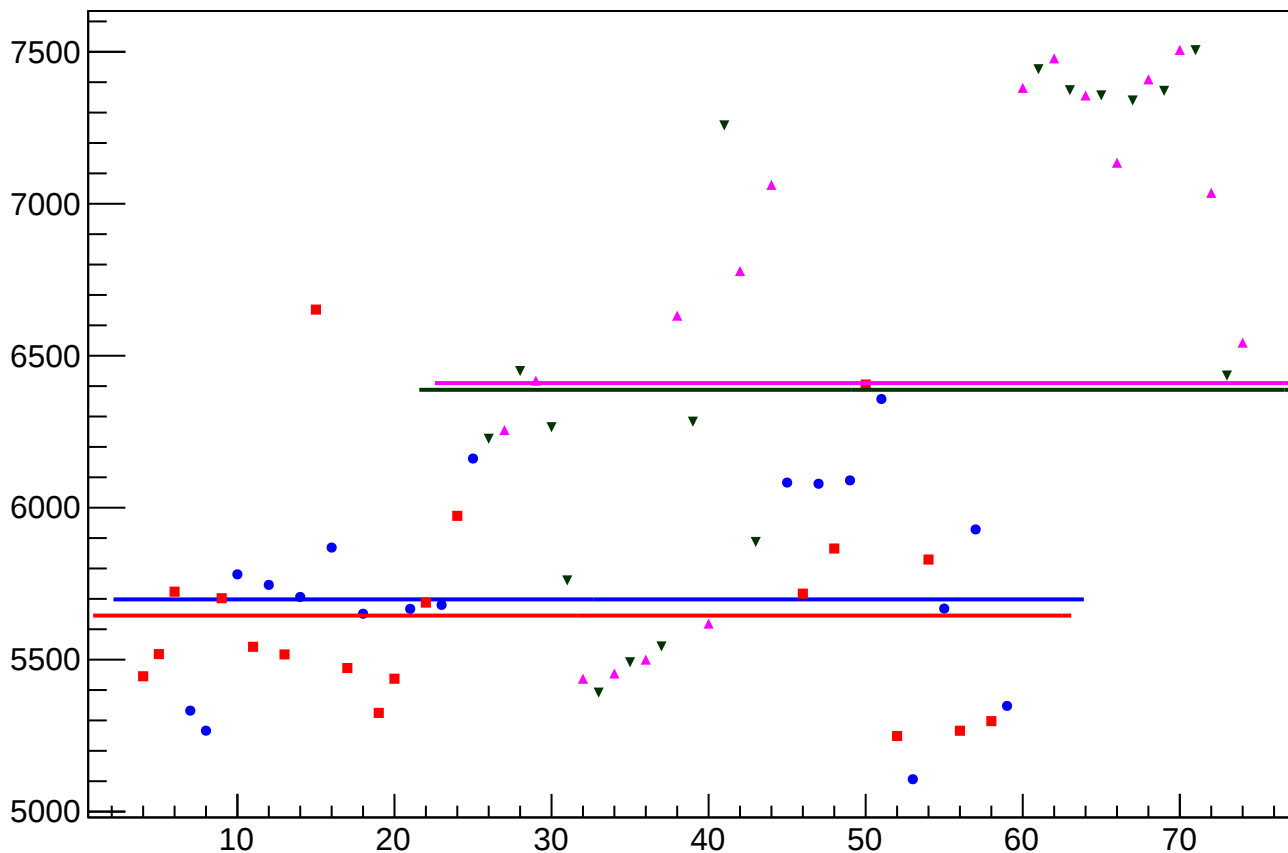
Right Out: -9.425 $\pm$ 1.790 χ^2 /NDF: 24.3/18

Left In: 1.277 $\pm$ 2.073 χ^2 /NDF: 36.7/16

4.156 $\pm$ 1.335 χ^2 /NDF: 135.6/34

-4.854 $\pm$ 1.355 χ^2 /NDF: 76.2/35

diff_bpm0l05X_rms vs slug



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

Left Out: 6387.858+/-1.523 χ^2/NDF : 234098.1/16

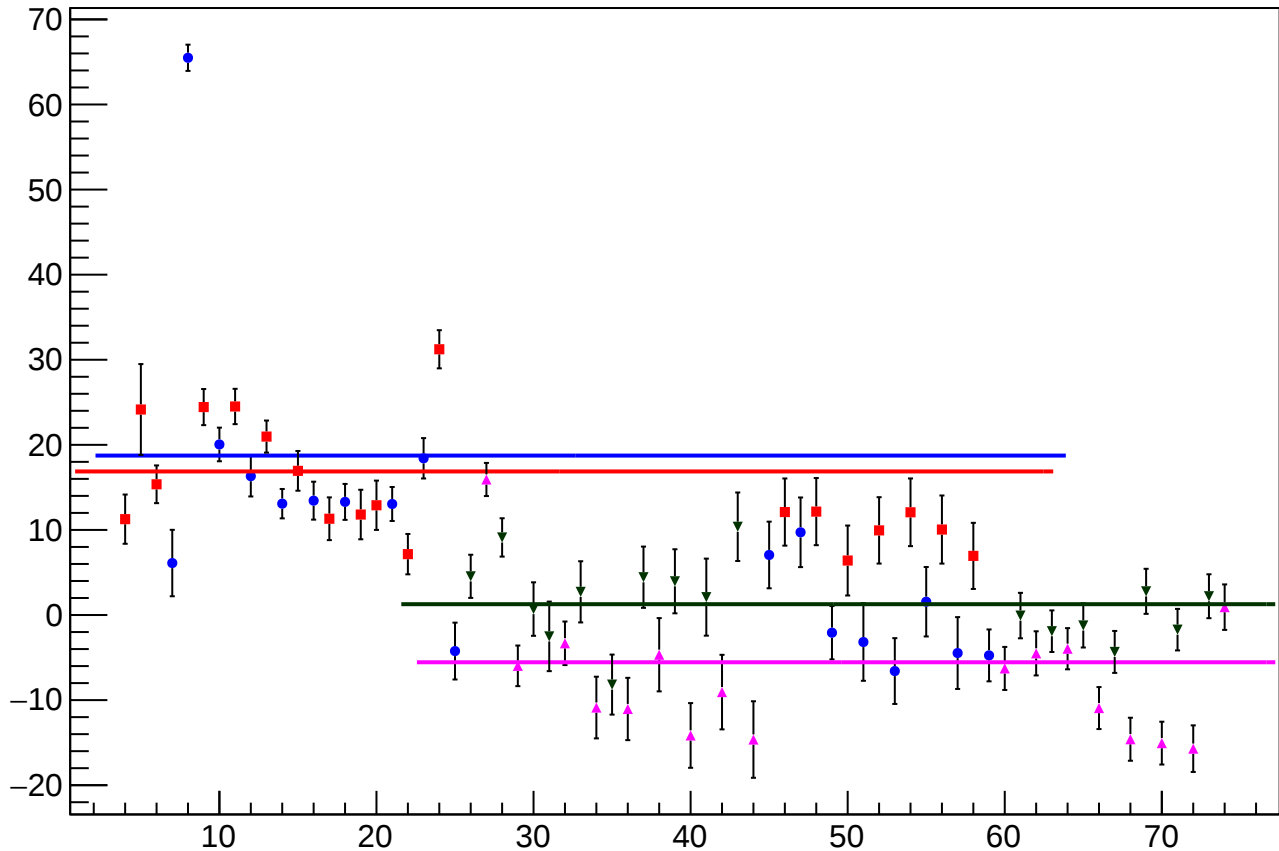
Right Out: 5644.999+/-1.266 χ^2/NDF : 71475.4/18

Left In: 6410.050+/-1.466 χ^2/NDF : 263903.4/16

5963.111+/-0.944 χ^2/NDF : 427547.8/34

5971.778+/-0.958 χ^2/NDF : 491435.5/35

diff_bpm0l05Y_mean vs slug



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

Left Out: 1.273+/-0.705 χ^2 /NDF:38.5/16

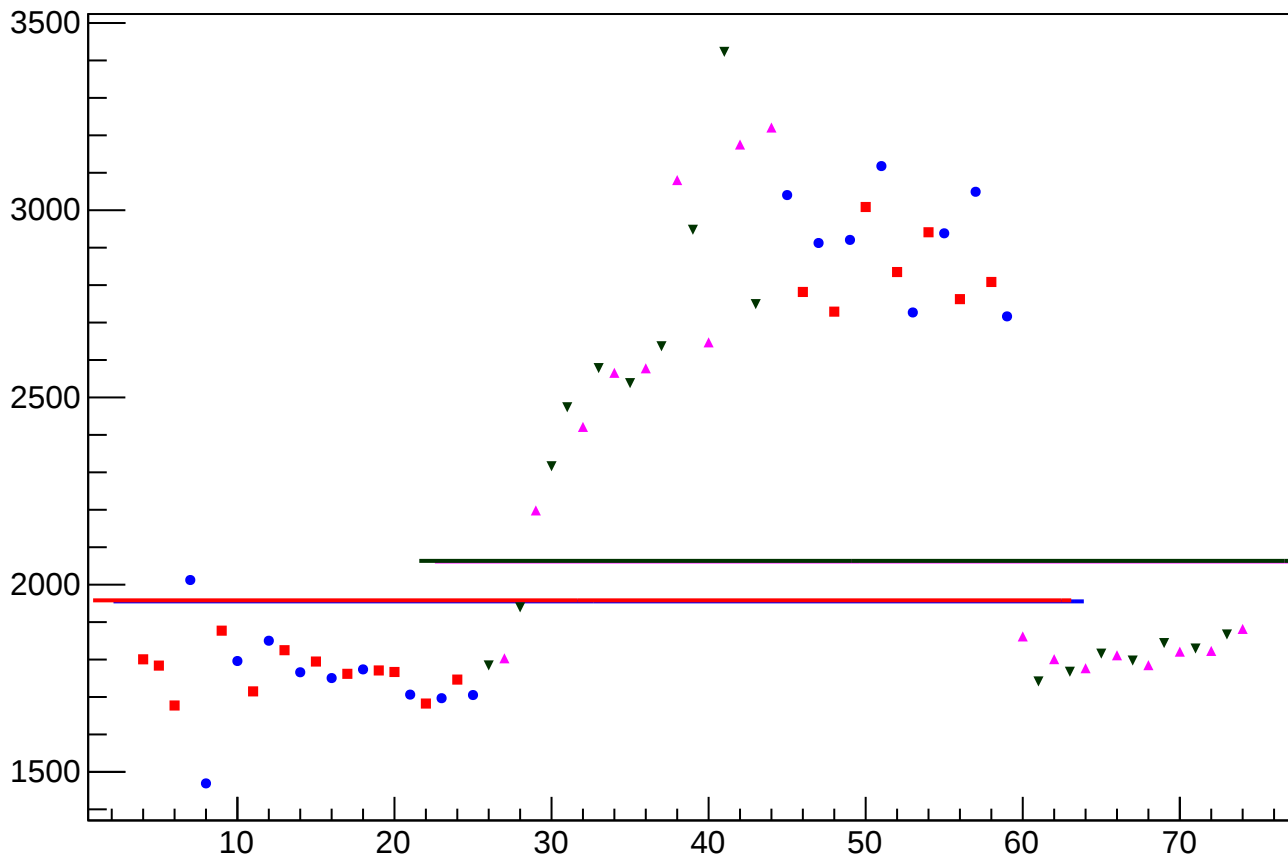
Right Out: 16.874+/-0.633 χ^2 /NDF: 128.0/18

Left In: -5.553+/-0.675 χ^2 /NDF:188.8/16

11.380+/-0.458 χ^2 /NDF: 1634.8/34

6.376+/-0.462 χ^2 /NDF: 904.0/35

diff_bpm0l05Y_rms vs slug



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

Left Out: 2063.543+/-0.499 χ^2/NDF : 683766.4/16

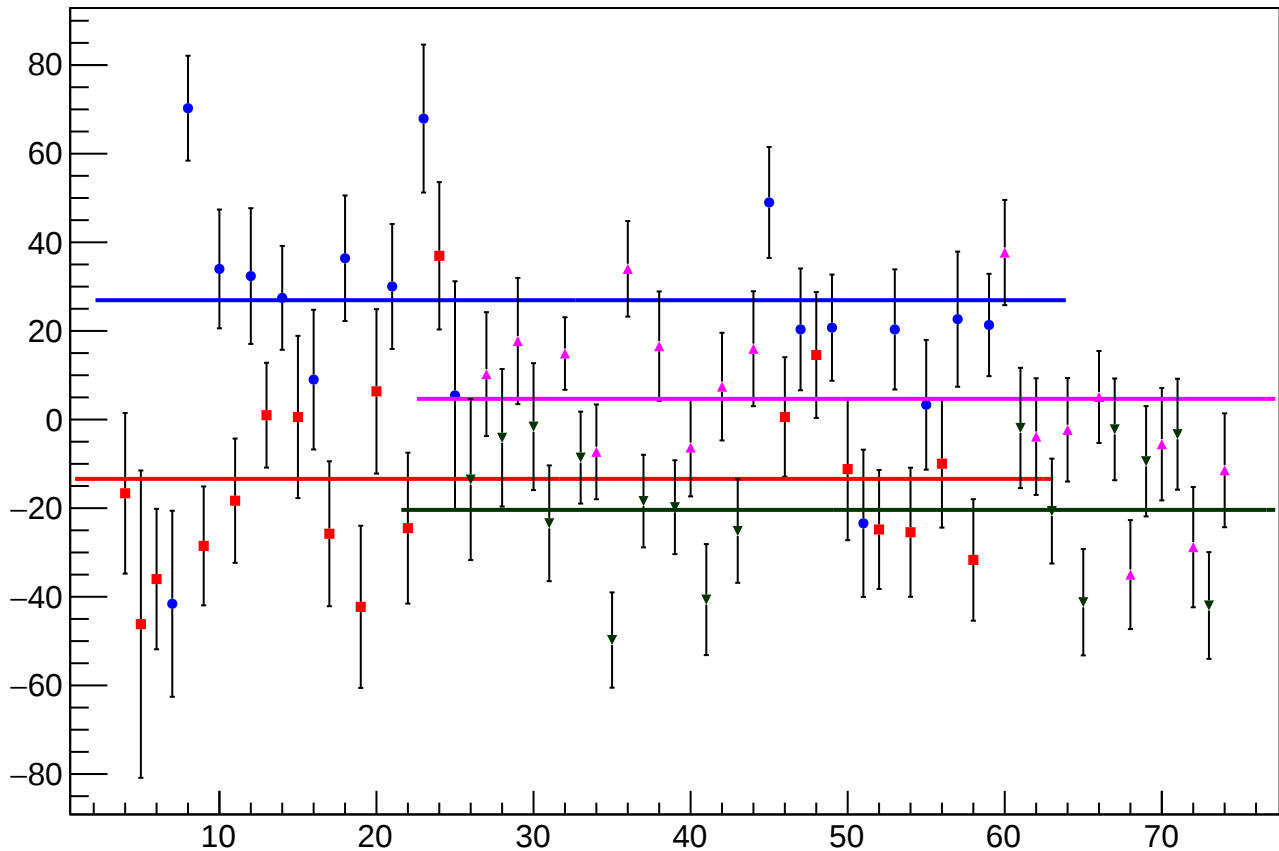
Right Out: 1958.115+/-0.448 χ^2/NDF : 858074.3/18

Left In: 2061.909+/-0.477 χ^2/NDF : 728599.4/16

2000.944+/-0.324 χ^2/NDF : 2086685.5/34

2006.702+/-0.327 χ^2/NDF : 1611828.1/35

diff_bpm0l06X_mean vs slug



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

Left Out: -20.387 ± 2.956 χ^2/NDF : 27.8/16

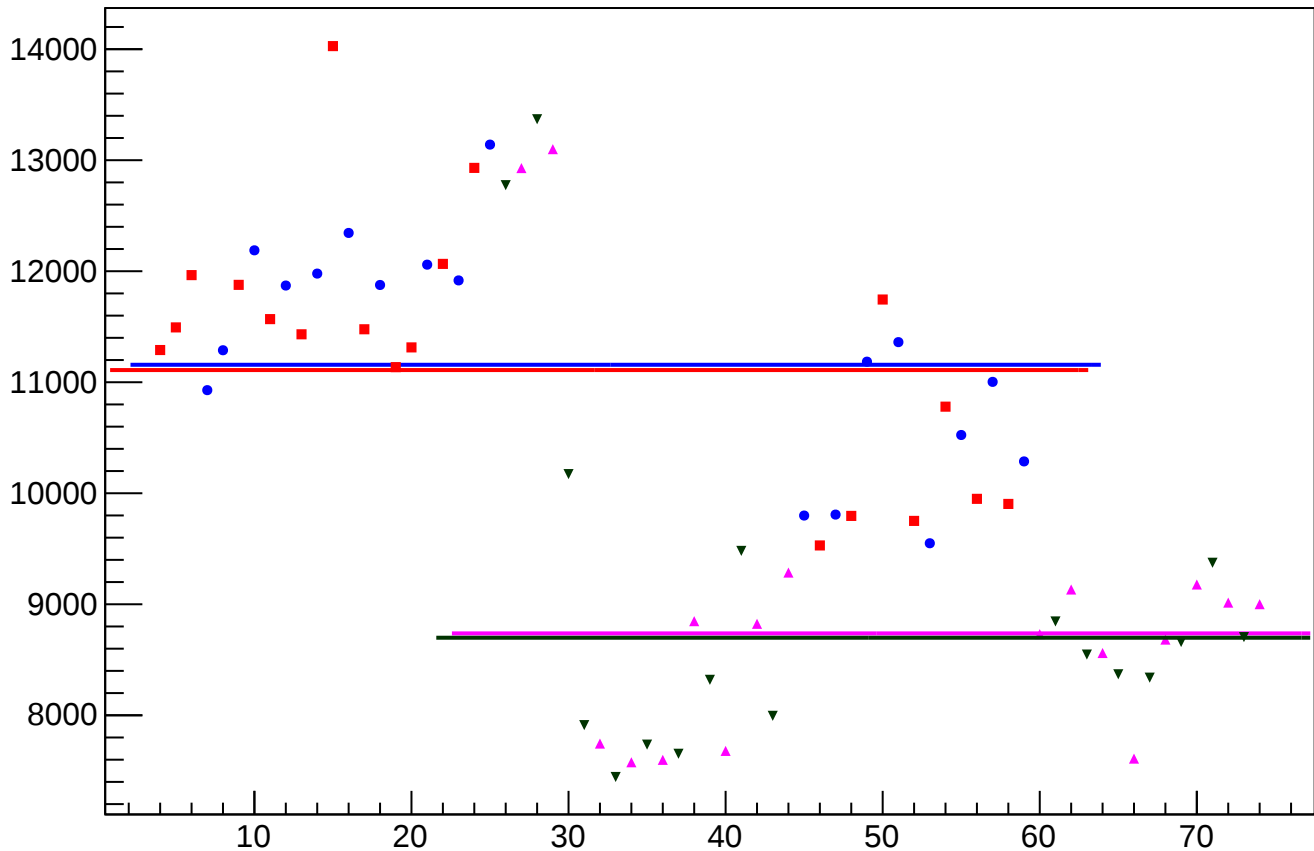
Right Out: -13.392 ± 3.535 χ^2/NDF : 28.4/18

Left In: 4.668 ± 2.845 χ^2/NDF : 41.1/16

0.418 ± 2.213 χ^2/NDF : 189.4/34

-2.430 ± 2.216 χ^2/NDF : 85.4/35

diff_bpm0l06X_rms vs slug



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

Left Out: 8698.619 $\pm$ 2.090 χ^2 /NDF:403041.8/16

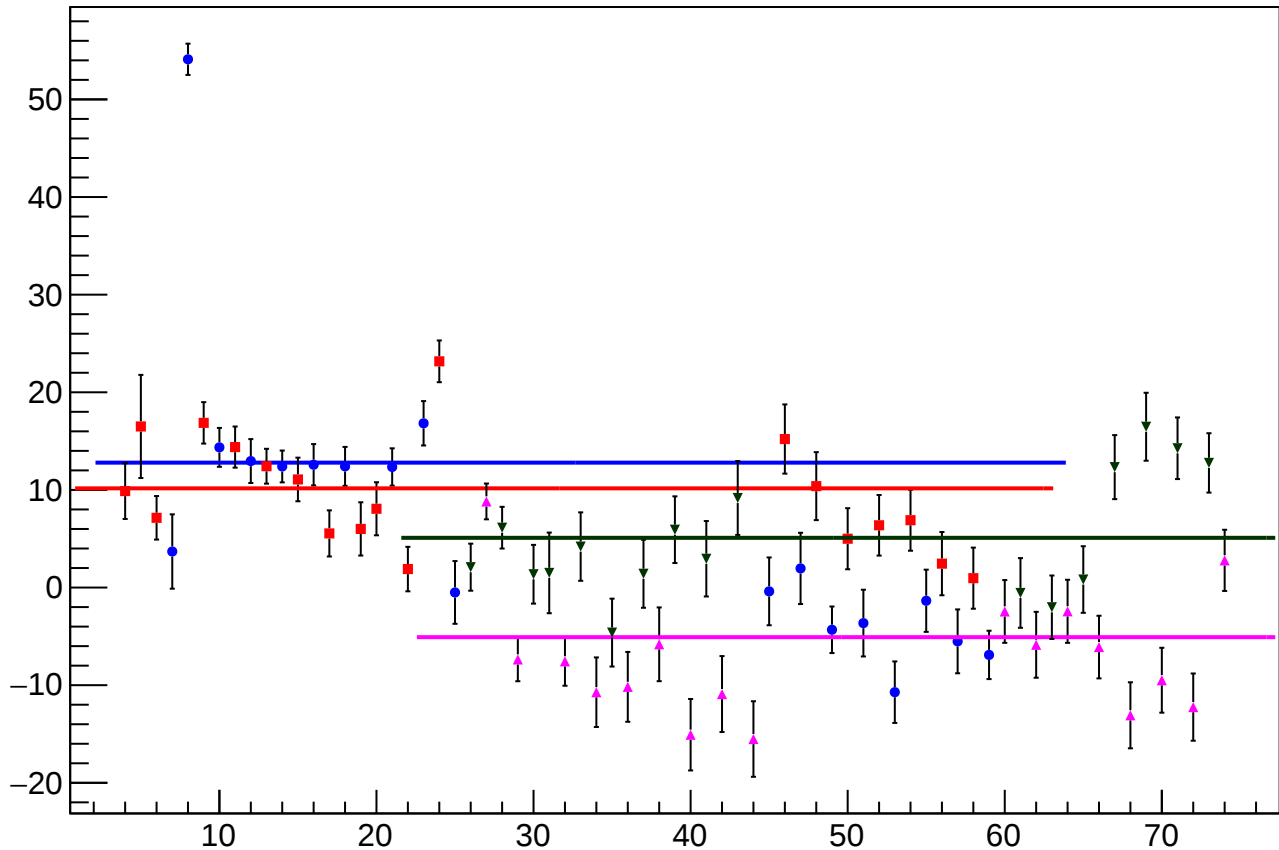
9779.682 $\pm$ 1.565 χ^2 /NDF: 1165212.0/34

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

9670.039 $\pm$ 1.567 χ^2 /NDF: 1237844.2/35

Left In: 8737.712 $\pm$ 2.011 χ^2 /NDF:494827.2/16

diff_bpm0l06Y_mean vs slug



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

Left Out: 5.094 $\pm$ 0.773 χ^2 /NDF: 53.8/16

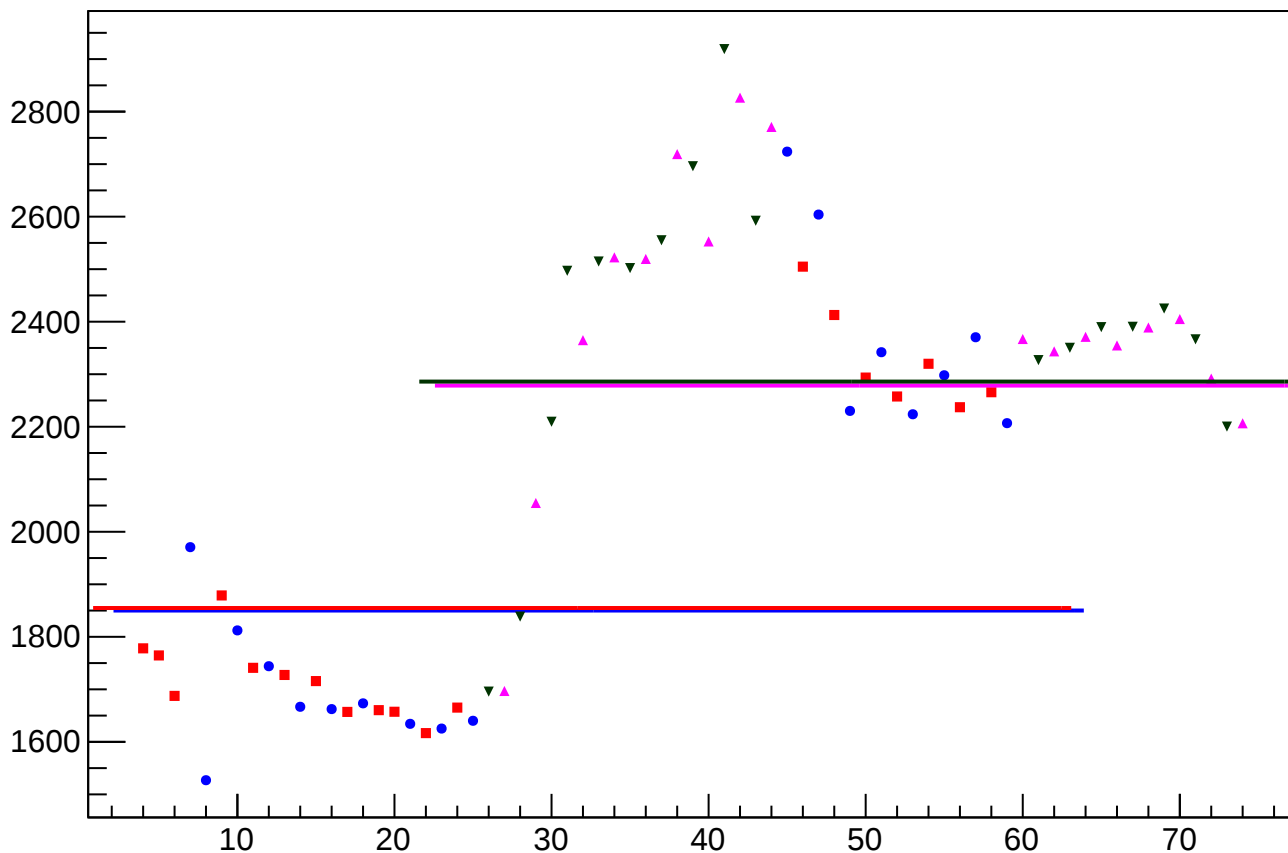
Right Out: 10.162 $\pm$ 0.592 χ^2 /NDF: 97.7/18

Left In: -5.081 $\pm$ 0.738 χ^2 /NDF: 100.6/16

10.151 $\pm$ 0.453 χ^2 /NDF: 1080.0/34

4.191 $\pm$ 0.462 χ^2 /NDF: 457.6/35

diff_bpm0l06Y_rms vs slug



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

Left Out: 2285.970+/-0.547 χ^2/NDF : 349100.5/16

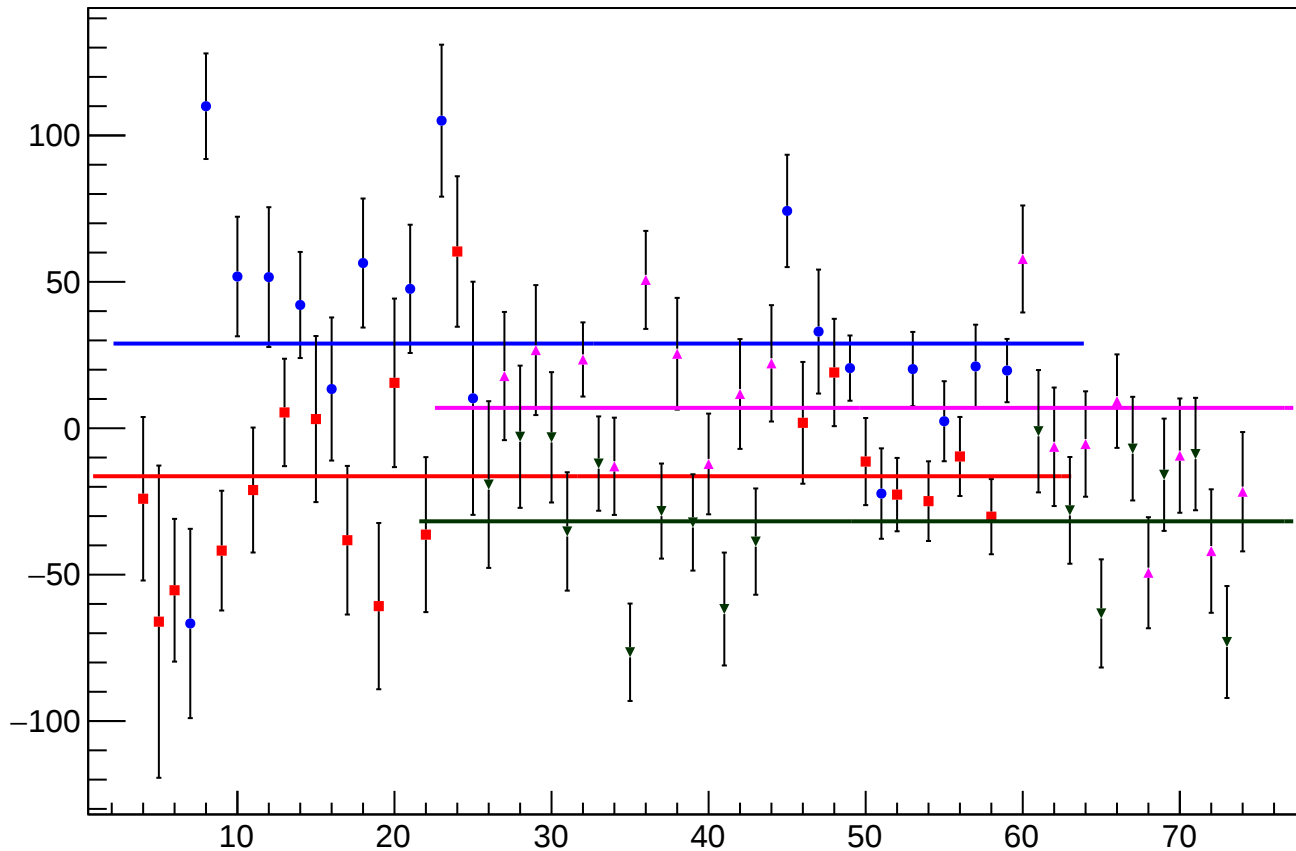
Right Out: 1854.854+/-0.419 χ^2/NDF : 407929.4/18

Left In: 2278.379+/-0.522 χ^2/NDF : 364010.1/16

1999.696+/-0.320 χ^2/NDF : 1429650.5/34

2020.736+/-0.327 χ^2/NDF : 1172432.5/35

diff_bpm0l07X_mean vs slug



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

Left Out: -31.779 ± 4.580 $\chi^2/\text{NDF}: 28.5/16$

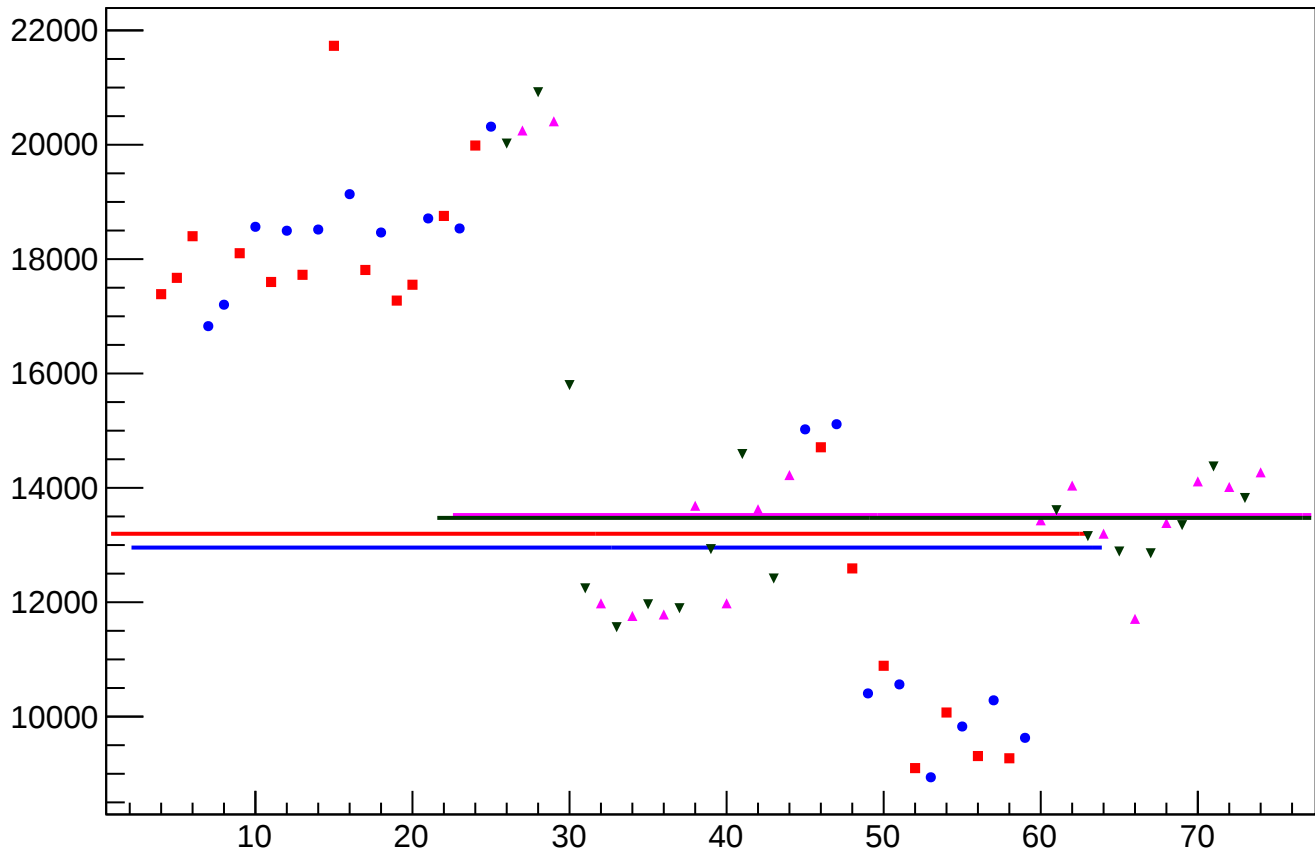
Right Out: -16.388 ± 4.377 $\chi^2/\text{NDF}: 27.5/18$

Left In: 6.963 ± 4.404 $\chi^2/\text{NDF}: 39.4/16$

2.395 ± 3.028 $\chi^2/\text{NDF}: 193.0/34$

-4.784 ± 3.104 $\chi^2/\text{NDF}: 81.0/35$

diff_bpm0l07X_rms vs slug



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

Left Out: 13474.931+/-3.238 χ^2/NDF : 412480.8/16

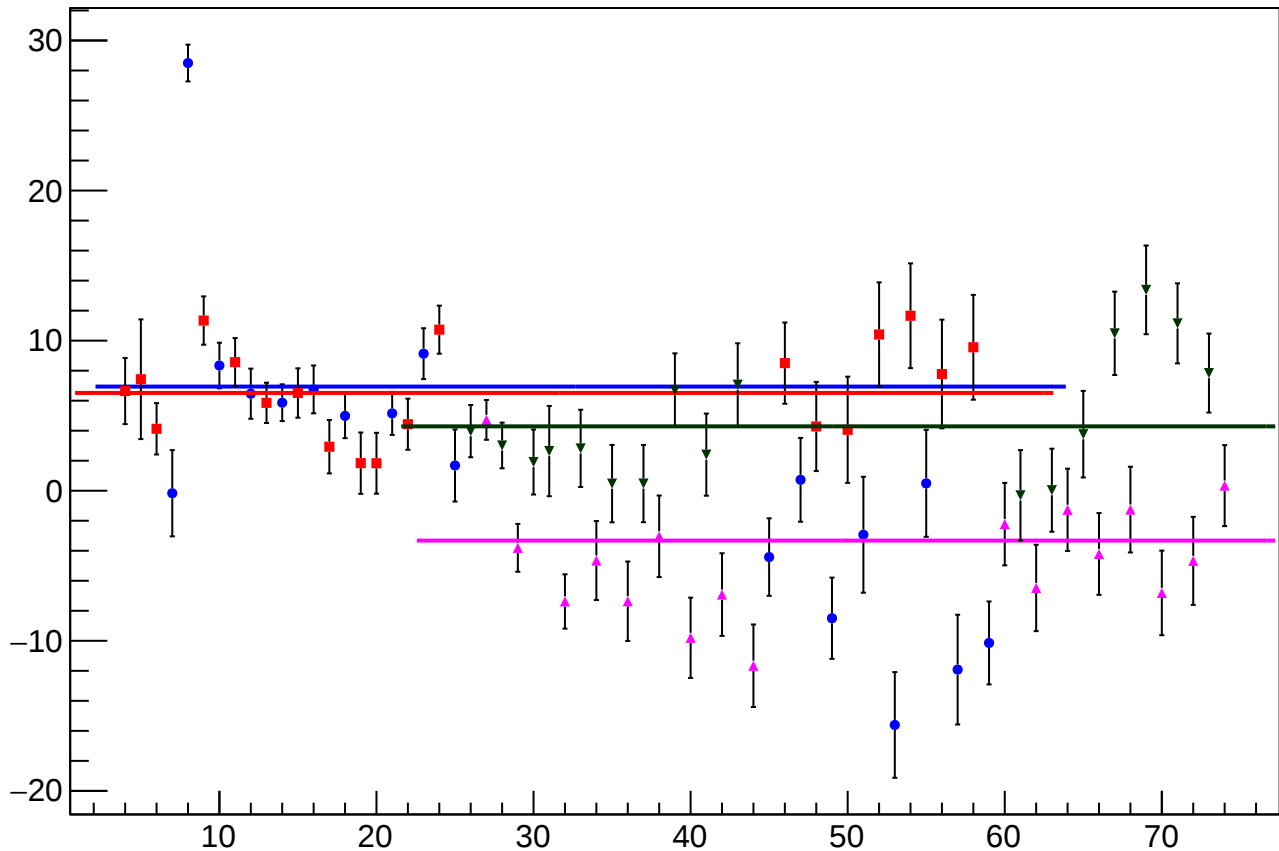
13182.737+/-2.141 χ^2/NDF : 2327576.1/34

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

13359.867+/-2.195 χ^2/NDF : 2280737.3/35

Left In: 13524.554+/-3.114 χ^2/NDF : 507424.9/16

diff_bpm0l07Y_mean vs slug



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

Left Out: 4.289+/-0.592 χ^2/NDF : 37.0/16

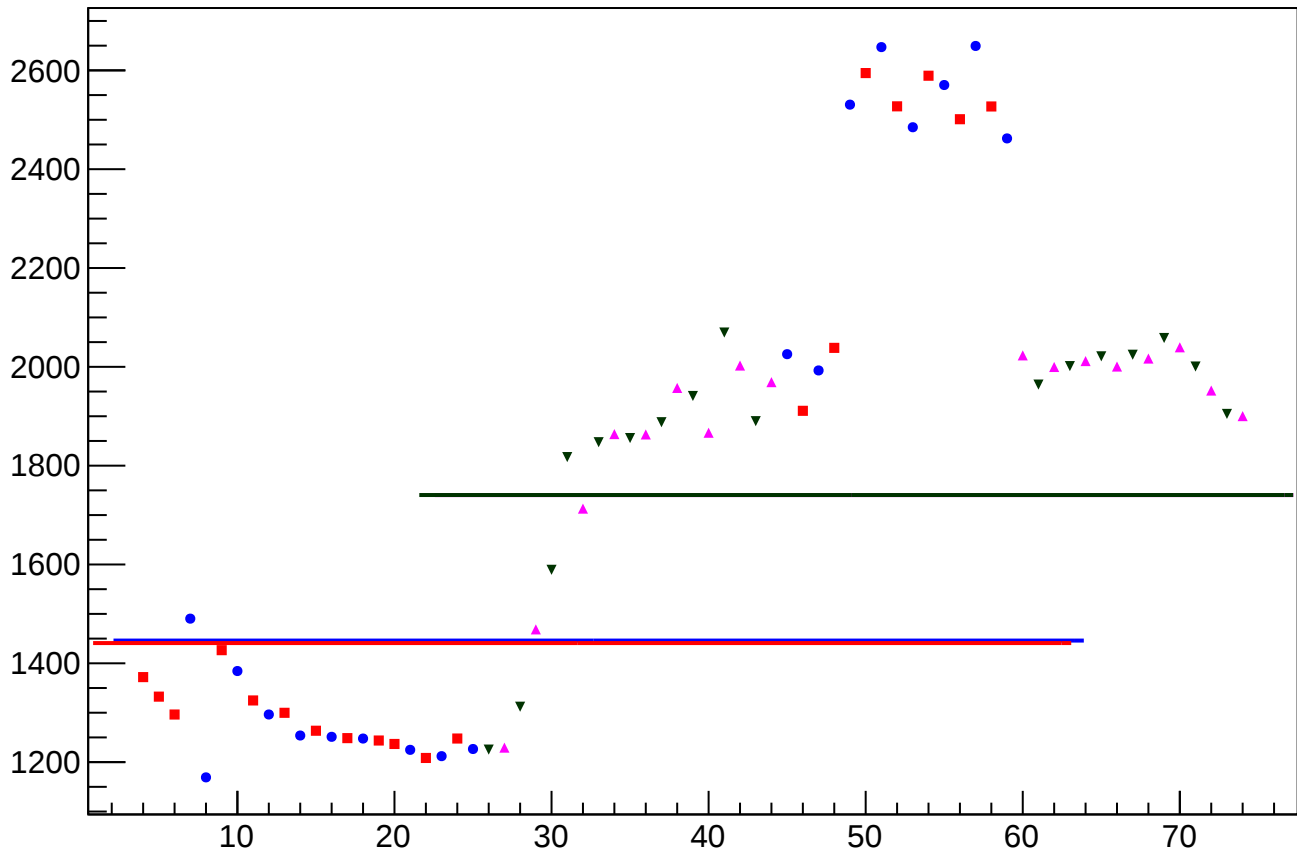
Right Out: 6.517+/-0.472 χ^2/NDF : 41.8/18

Left In: -3.322+/-0.567 χ^2/NDF : 67.3/16

5.969+/-0.358 χ^2/NDF : 549.3/34

2.490+/-0.362 χ^2/NDF : 287.3/35

diff_bpm0l07Y_rms vs slug



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

Left Out: 1740.574+/-0.418 χ^2/NDF : 525076.4/16

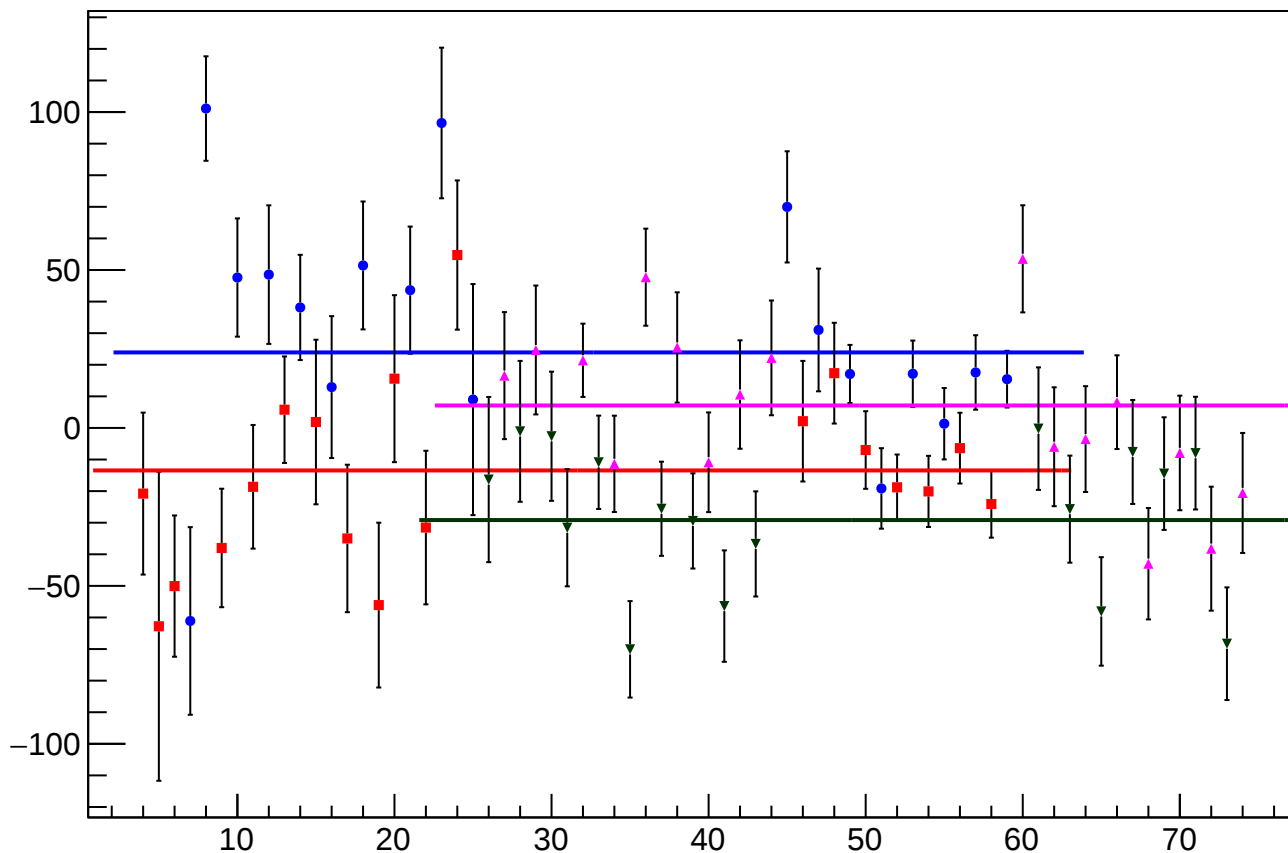
1553.873+/-0.253 χ^2/NDF : 2730882.7/34

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

1563.542+/-0.256 χ^2/NDF : 2210040.3/35

Left In: 1740.438+/-0.401 χ^2/NDF : 546710.2/16

diff_bpm0l08X_mean vs slug



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

Left Out: -29.162 ± 4.225 $\chi^2/\text{NDF}: 28.6/16$

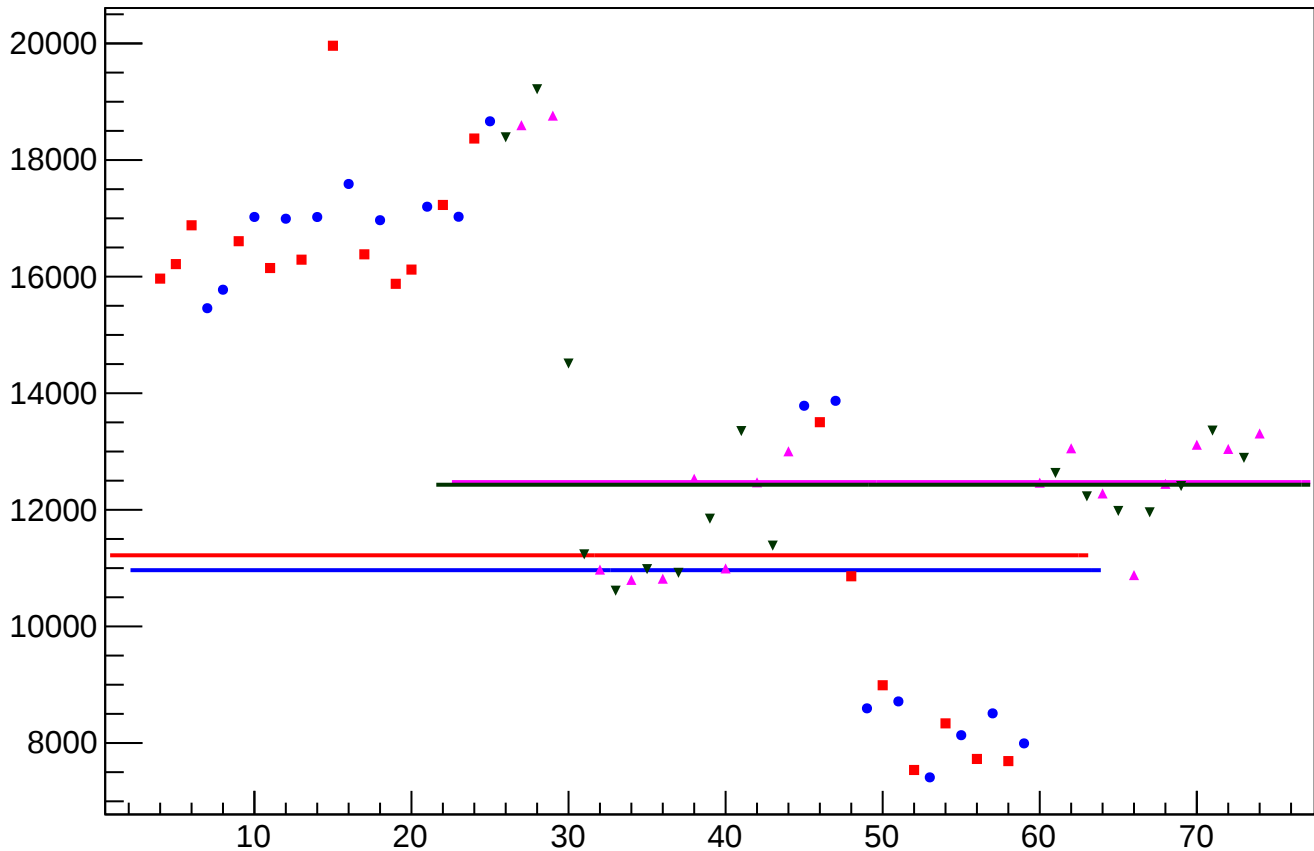
Right Out: -13.450 ± 3.783 $\chi^2/\text{NDF}: 27.5/18$

Left In: 7.114 ± 4.062 $\chi^2/\text{NDF}: 38.7/16$

2.530 ± 2.681 $\chi^2/\text{NDF}: 193.5/34$

-3.899 ± 2.769 $\chi^2/\text{NDF}: 79.9/35$

diff_bpm0l08X_rms vs slug



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

Left Out: 12430.464+/-2.987 χ^2/NDF : 413192.0/16

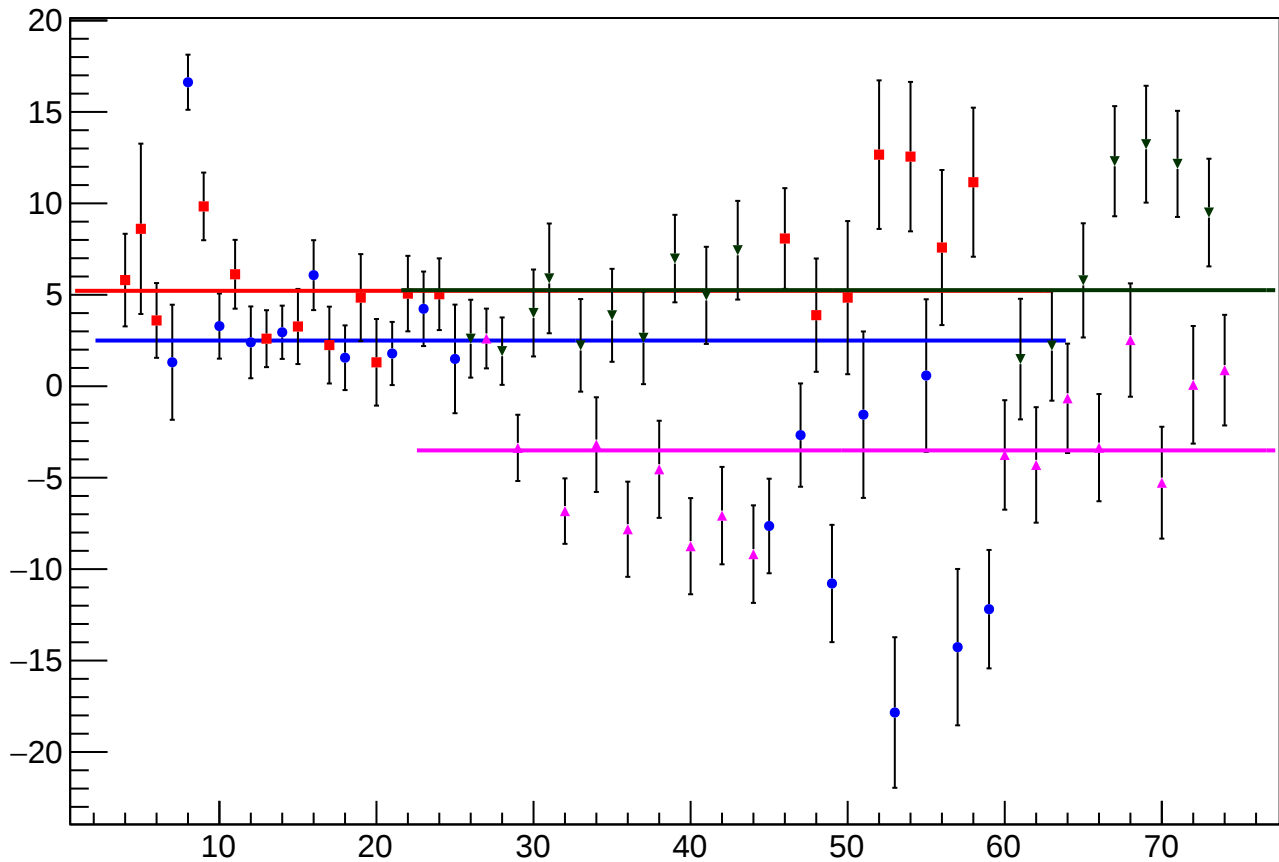
11555.172+/-1.896 χ^2/NDF : 3107779.9/34

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

11803.191+/-1.958 χ^2/NDF : 2955153.7/35

Left In: 12475.670+/-2.873 χ^2/NDF : 508862.3/16

diff_bpm0l08Y_mean vs slug



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

Left Out: 5.254 ± 0.636 χ^2/NDF : 30.9/16

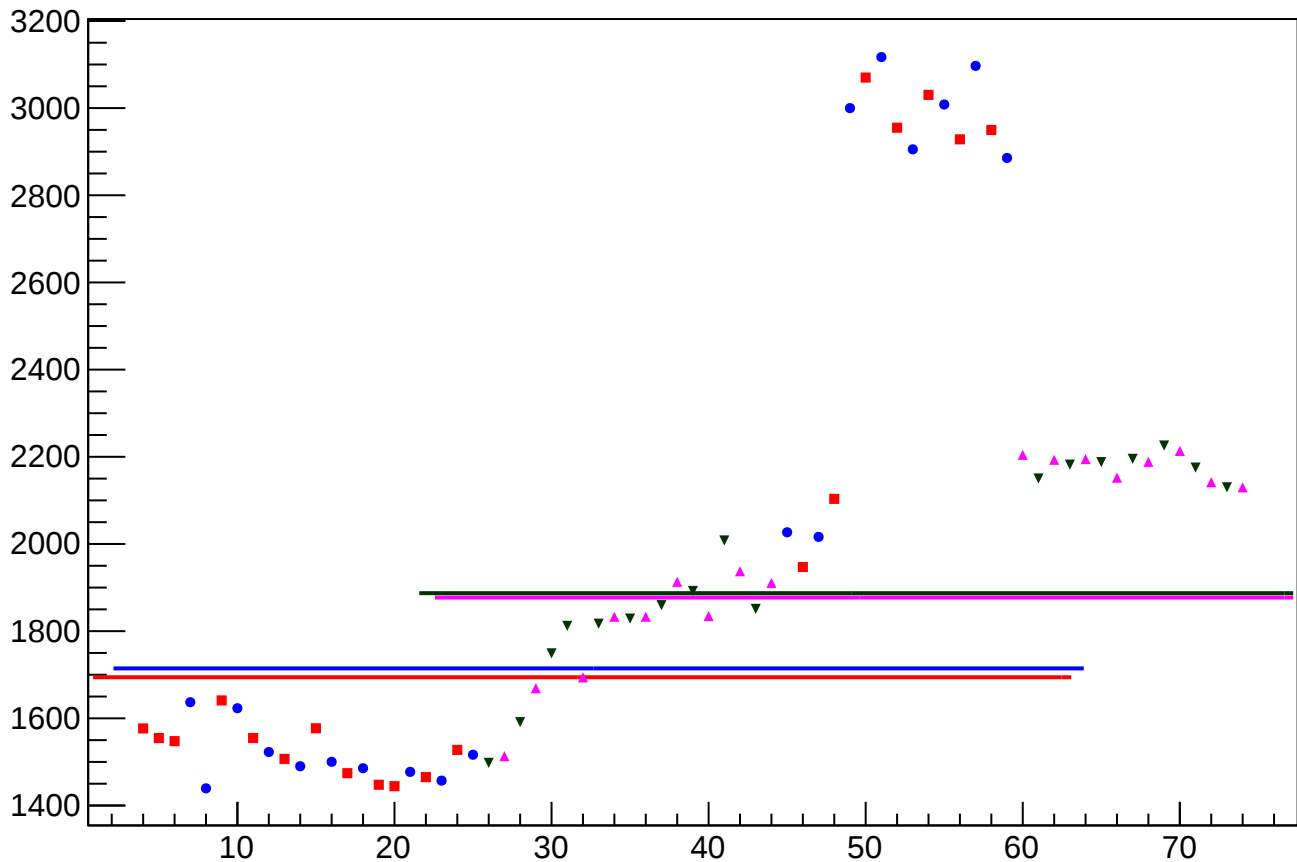
Right Out: 5.218 ± 0.553 χ^2/NDF : 26.5/18

Left In: -3.509 ± 0.607 χ^2/NDF : 39.1/16

3.628 ± 0.407 χ^2/NDF : 232.3/34

1.262 ± 0.409 χ^2/NDF : 178.5/35

diff_bpm0l08Y_rms vs slug



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

Left Out: 1887.137+/-0.450 χ^2/NDF : 260952.3/16

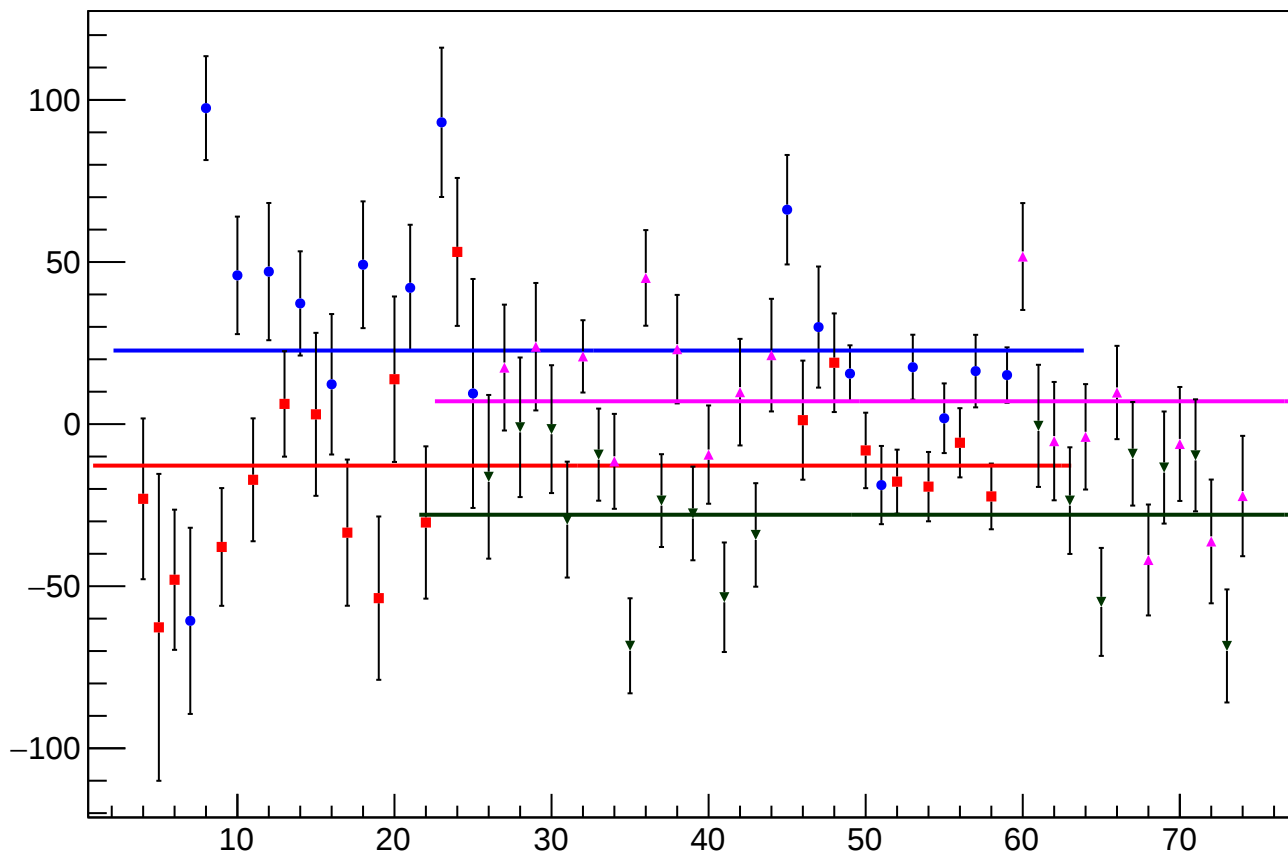
Right Out: 1694.263+/-0.391 χ^2/NDF : 1202765.8/18

Left In: 1877.025+/-0.429 χ^2/NDF : 305884.6/16

1785.278+/-0.288 χ^2/NDF : 2018561.0/34

1777.111+/-0.289 χ^2/NDF : 1607752.0/35

diff_bpm0l09X_mean vs slug



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

Left Out: -27.954 ± 4.077 $\chi^2/\text{NDF}: 28.8/16$

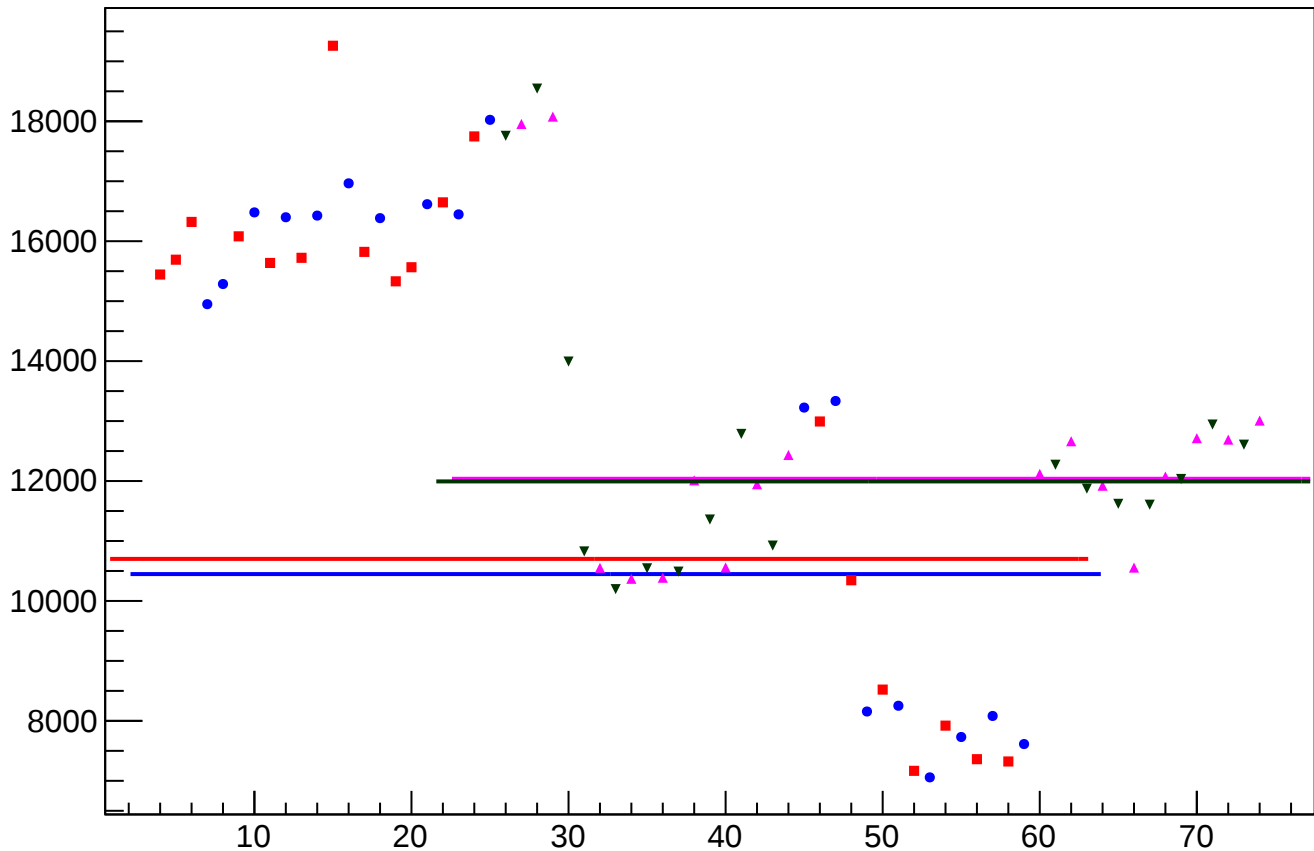
Right Out: -12.799 ± 3.618 $\chi^2/\text{NDF}: 28.2/18$

Left In: 7.047 ± 3.920 $\chi^2/\text{NDF}: 38.3/16$

2.541 ± 2.572 $\chi^2/\text{NDF}: 192.7/34$

-3.670 ± 2.659 $\chi^2/\text{NDF}: 80.3/35$

diff_bpm0l09X_rms vs slug



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

Left Out: 11993.630+/-2.883 χ^2/NDF : 420640.1/16

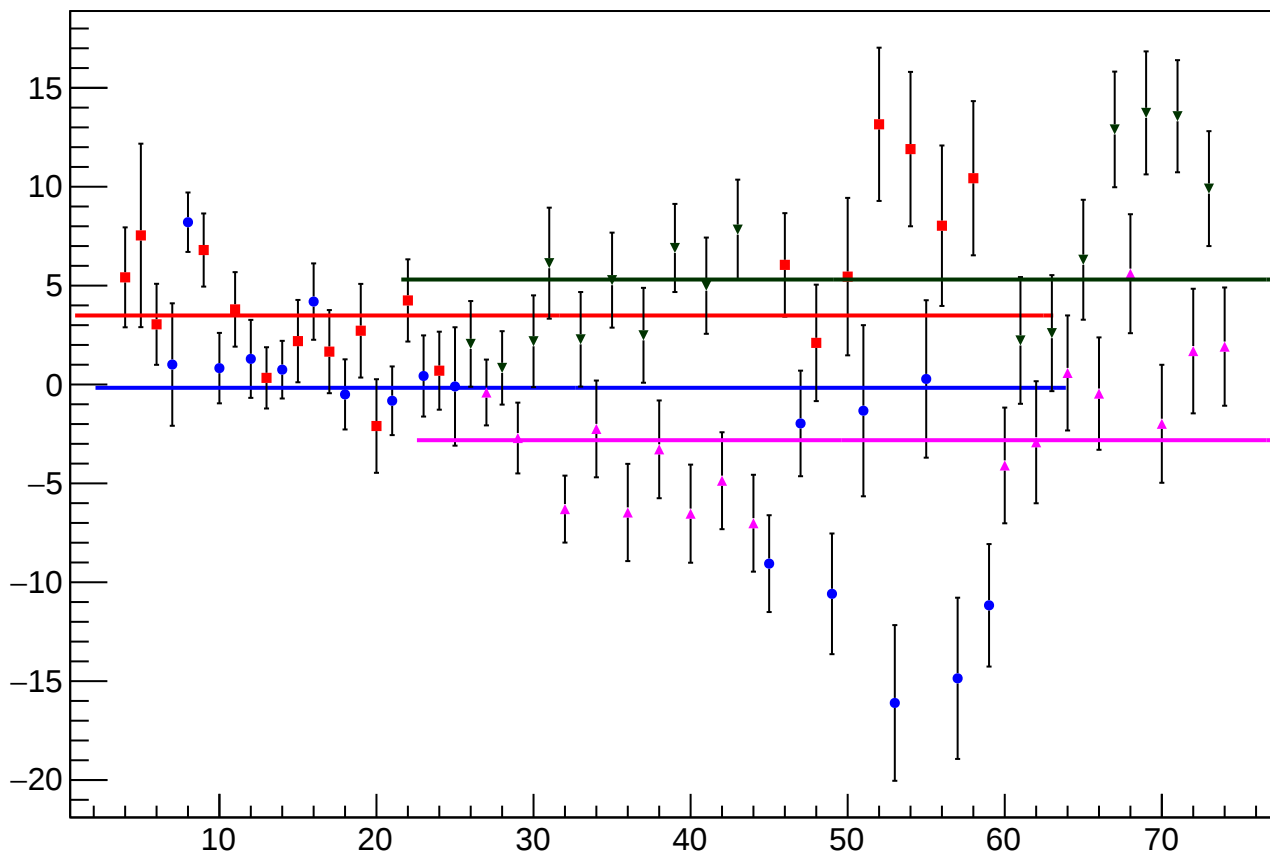
11063.200+/-1.819 χ^2/NDF : 3248299.6/34

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

11316.145+/-1.880 χ^2/NDF : 3079707.9/35

Left In: 12037.758+/-2.772 χ^2/NDF : 515724.7/16

diff_bpm0l09Y_mean vs slug



Right In: -0.167 $\pm$ 0.526 χ^2/NDF : 105.2/17

Left Out: 5.308 $\pm$ 0.614 χ^2/NDF : 41.4/16

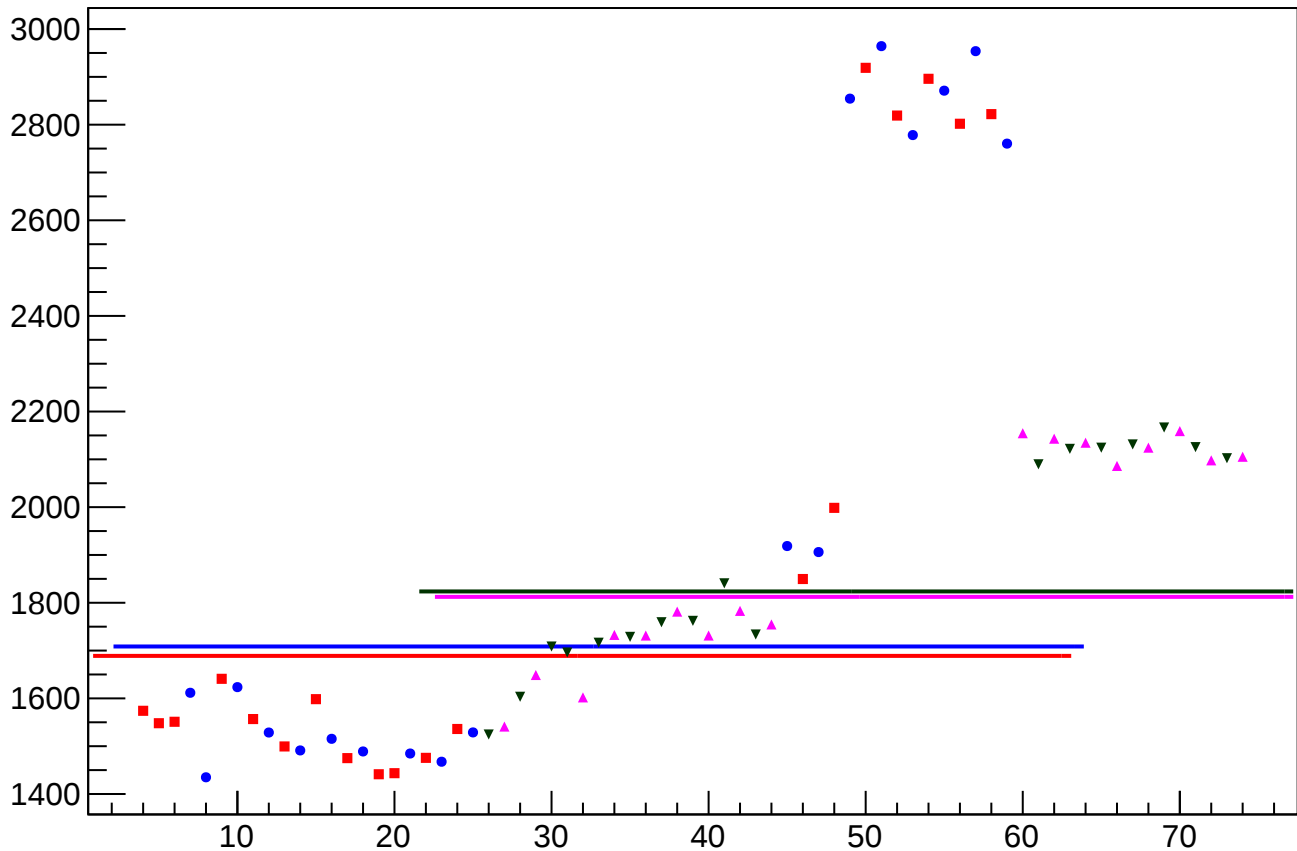
Right Out: 3.490 $\pm$ 0.549 χ^2/NDF : 34.4/18

Left In: -2.816 $\pm$ 0.586 χ^2/NDF : 29.2/16

2.148 $\pm$ 0.399 χ^2/NDF : 192.5/34

0.542 $\pm$ 0.401 χ^2/NDF : 125.4/35

diff_bpm0l09Y_rms vs slug



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

Left Out: 1823.688+/-0.434 χ^2/NDF : 229773.6/16

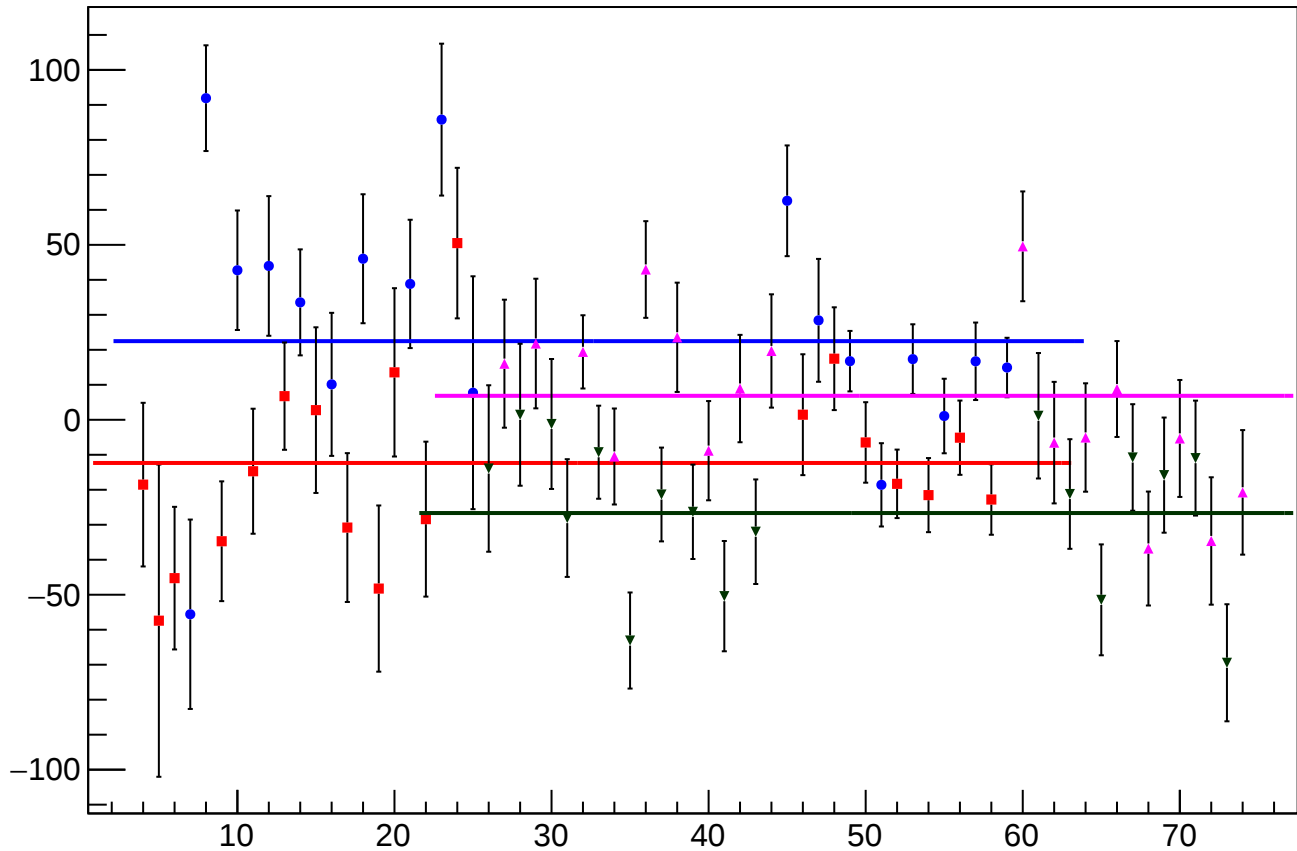
1757.241+/-0.282 χ^2/NDF : 1734920.4/34

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

1746.624+/-0.283 χ^2/NDF : 1392459.1/35

Left In: 1812.368+/-0.414 χ^2/NDF : 286524.3/16

diff_bpm0l10X_mean vs slug



Right In: 22.480 ± 3.228 χ^2/NDF : 68.3/17

Left Out: -26.649 ± 3.846 χ^2/NDF : 29.3/16

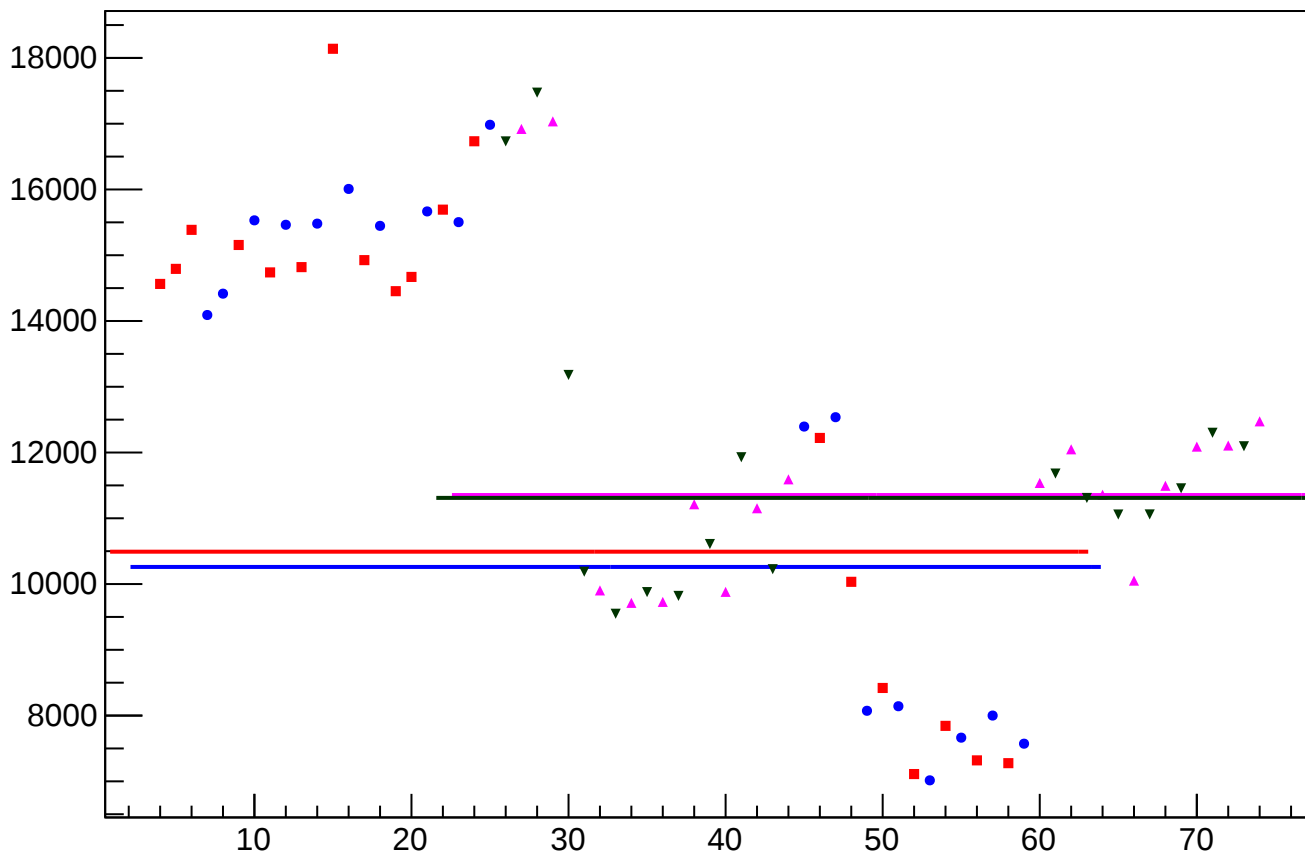
Right Out: -12.340 ± 3.516 χ^2/NDF : 28.3/18

Left In: 6.855 ± 3.699 χ^2/NDF : 37.7/16

2.175 ± 2.472 χ^2/NDF : 193.4/34

-3.226 ± 2.548 χ^2/NDF : 80.2/35

diff_bpm0l10X_rms vs slug



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

Left Out: 11310.181+/-2.719 χ^2/NDF : 431900.1/16

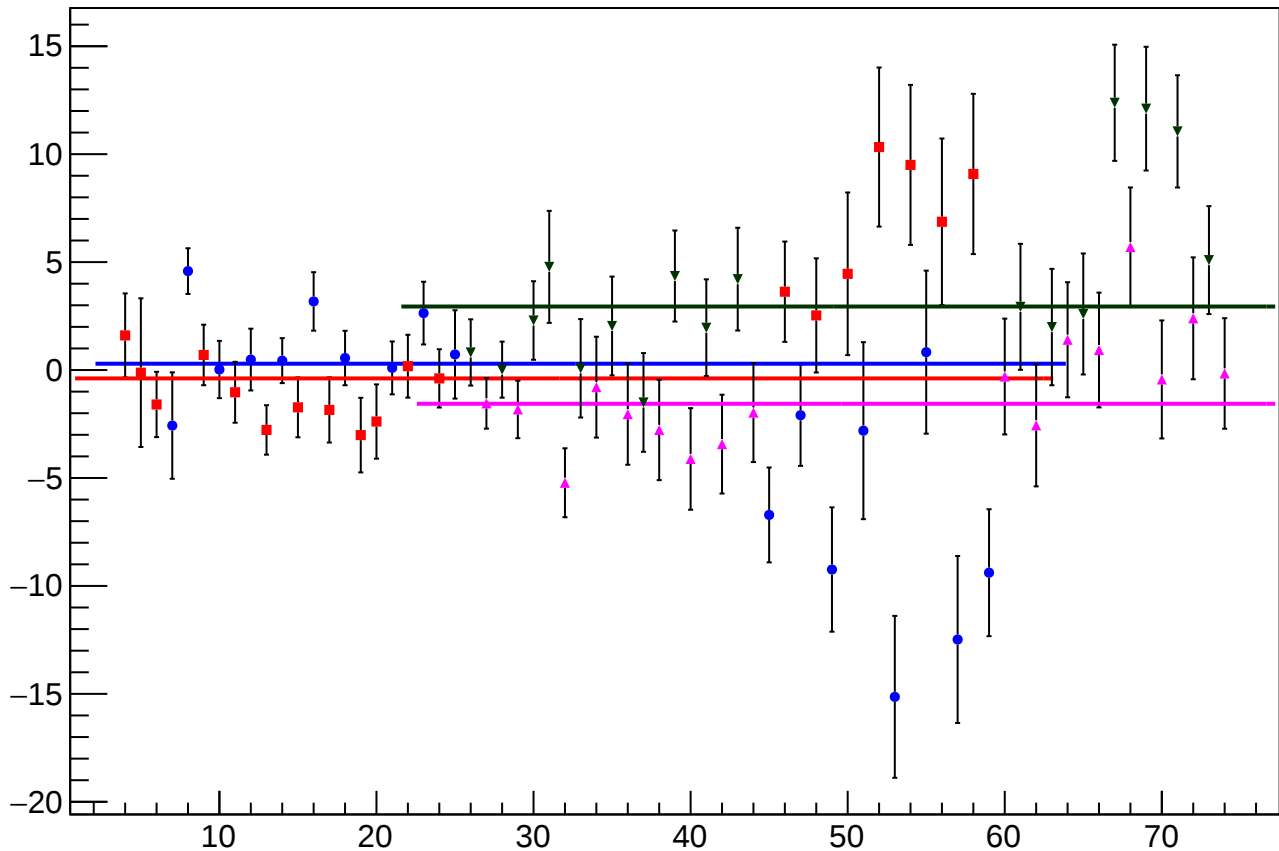
10694.114+/-1.748 χ^2/NDF : 2839369.1/34

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

10901.175+/-1.802 χ^2/NDF : 2723257.4/35

Left In: 11353.730+/-2.615 χ^2/NDF : 527380.2/16

diff_bpm0l10Y_mean vs slug



Right In: 0.293 ± 0.393 $\chi^2/\text{NDF}: 86.6/17$

Left Out: 2.942 ± 0.527 $\chi^2/\text{NDF}: 47.2/16$

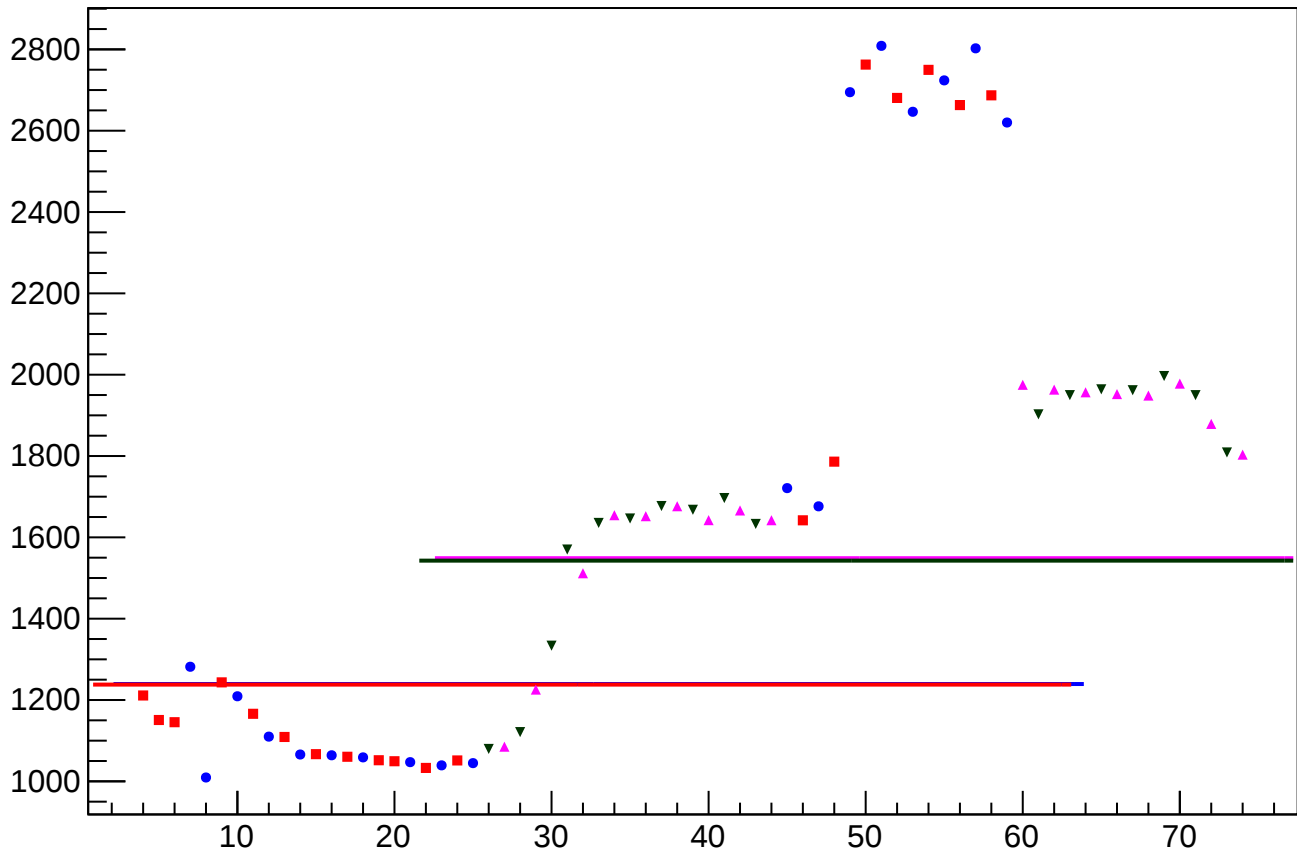
1.238 ± 0.315 $\chi^2/\text{NDF}: 150.0/34$

Right Out: -0.388 ± 0.412 $\chi^2/\text{NDF}: 44.0/18$

-0.854 ± 0.320 $\chi^2/\text{NDF}: 66.7/35$

Left In: -1.562 ± 0.507 $\chi^2/\text{NDF}: 19.4/16$

diff_bpm0l10Y_rms vs slug



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

Left Out: 1542.739+/-0.373 χ^2/NDF : 744899.3/16

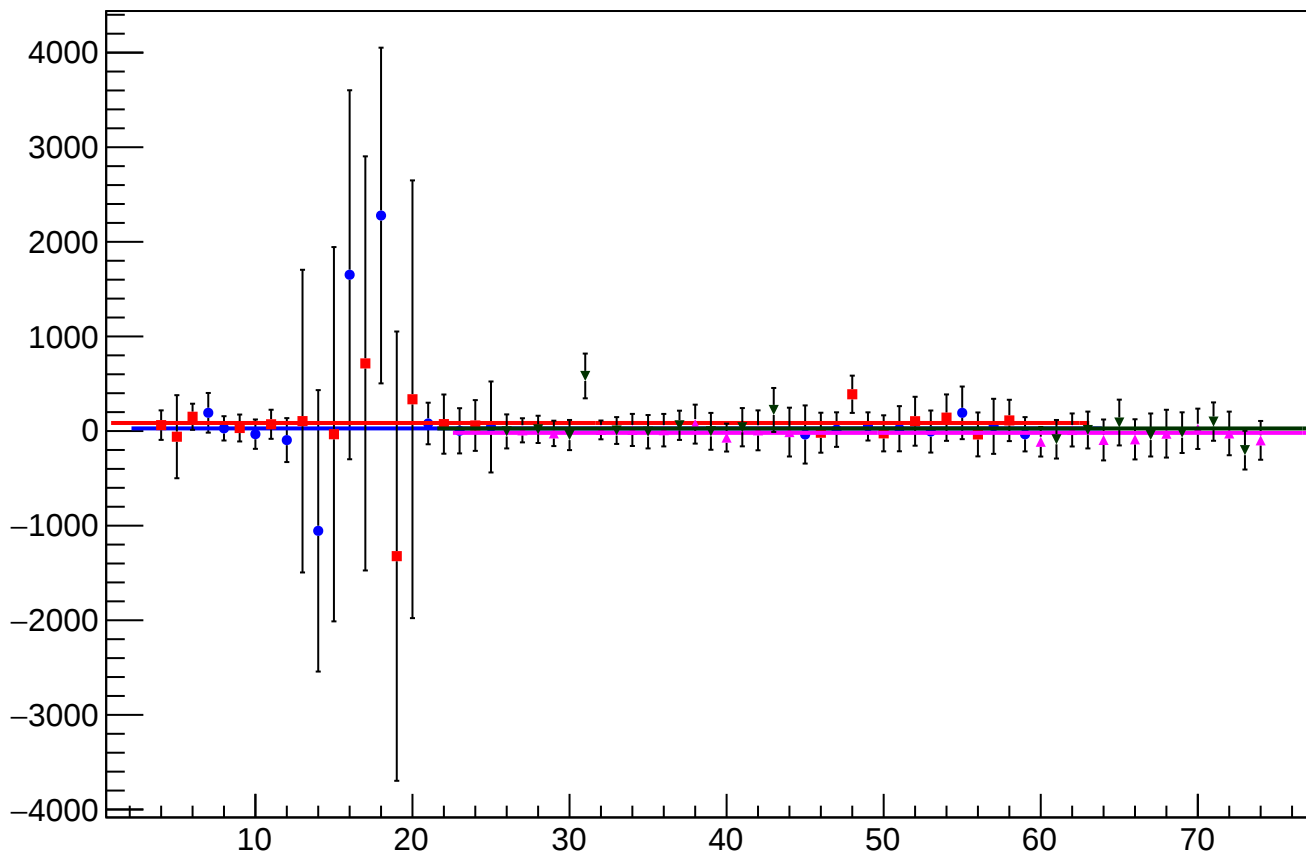
Right Out: 1237.907+/-0.291 χ^2/NDF : 1914347.8/18

Left In: 1548.725+/-0.359 χ^2/NDF : 782902.5/16

1347.538+/-0.223 χ^2/NDF : 3846276.0/34

1361.401+/-0.226 χ^2/NDF : 3149868.1/35

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: 27.406+/-45.355 χ^2/NDF : 8.5/16

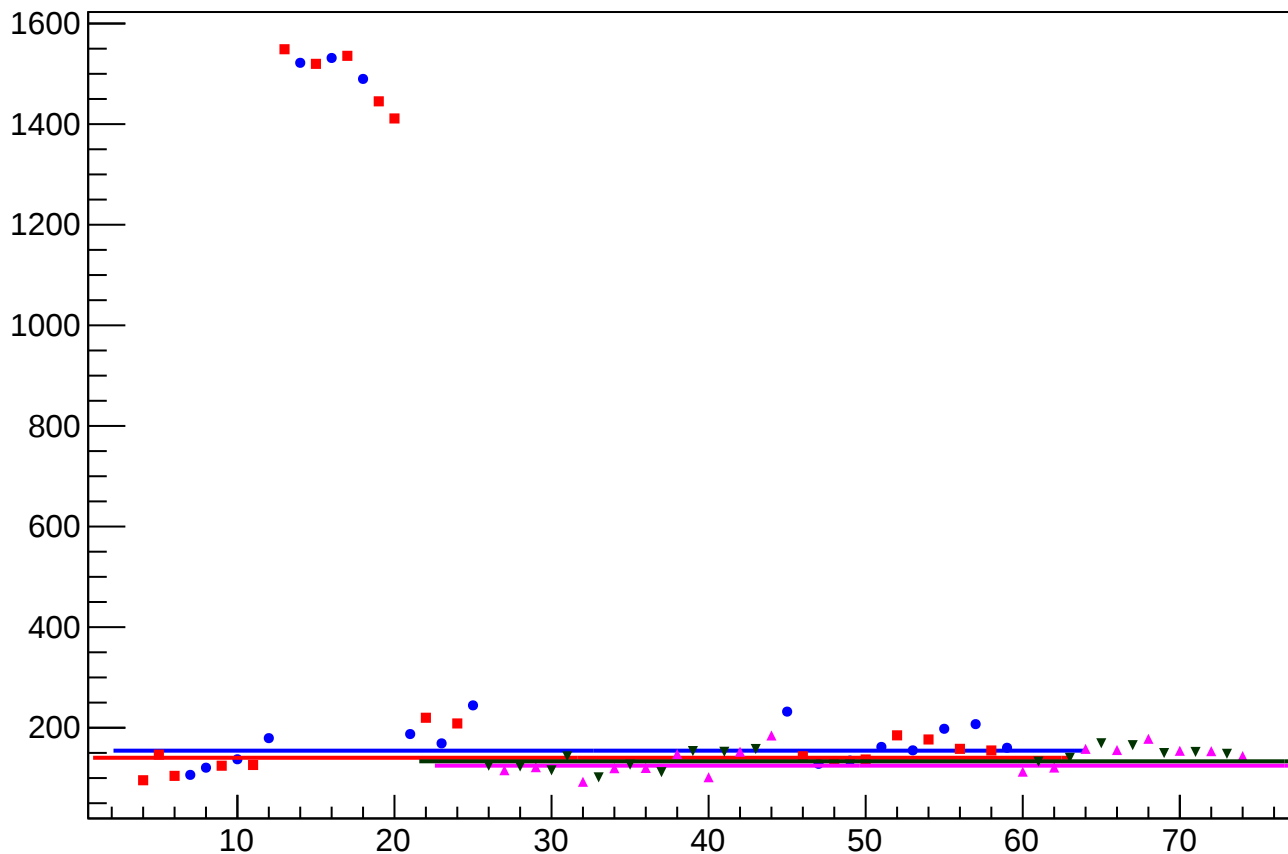
Right Out: 85.325+/-52.506 χ^2/NDF : 4.3/18

Left In: -19.186+/-41.105 χ^2/NDF : 1.3/16

27.607+/-34.264 χ^2/NDF : 13.0/34

20.527+/-32.366 χ^2/NDF : 8.1/35

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs slug



Right In: 154.452 $\pm$ 0.037 χ^2 /NDF: 4556738.2/17

Left Out: 133.305 $\pm$ 0.032 χ^2 /NDF: 374065.8/16

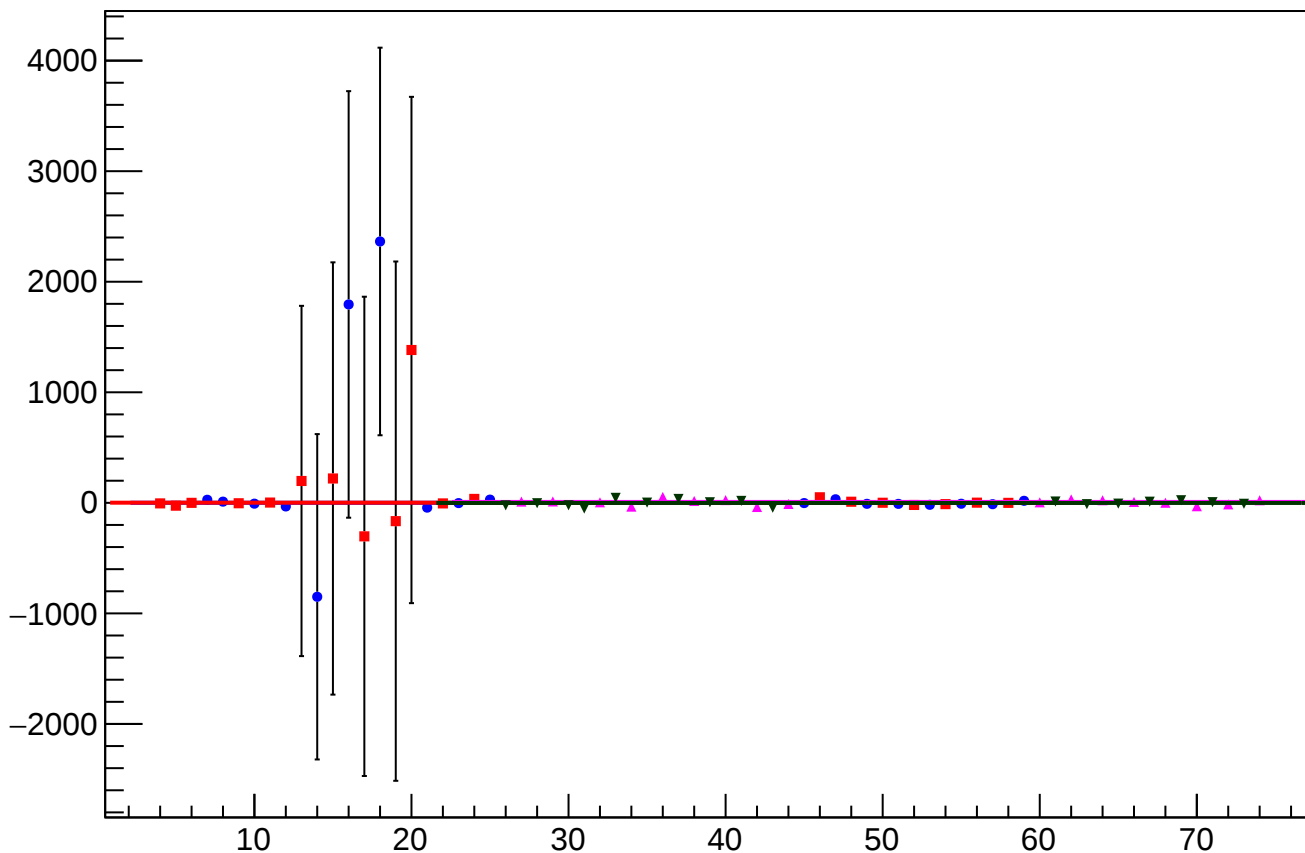
Right Out: 140.345 $\pm$ 0.037 χ^2 /NDF: 5274055.6/18

Left In: 124.640 $\pm$ 0.029 χ^2 /NDF: 718728.9/16

142.382 $\pm$ 0.024 χ^2 /NDF: 5117450.9/34

130.608 $\pm$ 0.023 χ^2 /NDF: 6103727.5/35

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs slug



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

Left Out: -0.995+/-5.727 χ^2/NDF : 16.3/16

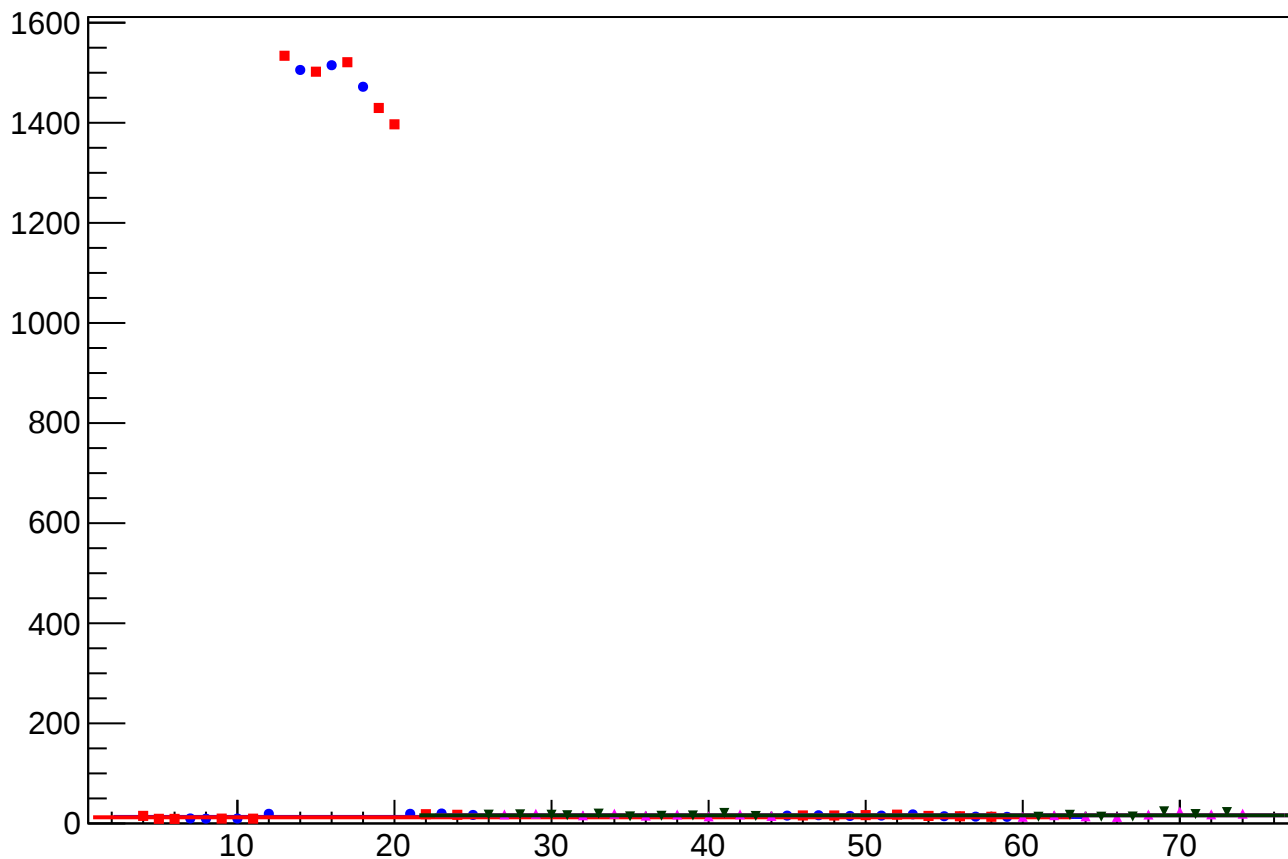
Right Out: 1.382+/-4.789 χ^2/NDF : 9.5/18

Left In: 8.188+/-5.518 χ^2/NDF : 14.1/16

-0.039+/-3.593 χ^2/NDF : 32.9/34

4.305+/-3.617 χ^2/NDF : 24.4/35

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: 16.274+/-0.004 χ^2 /NDF: 428524.0/16

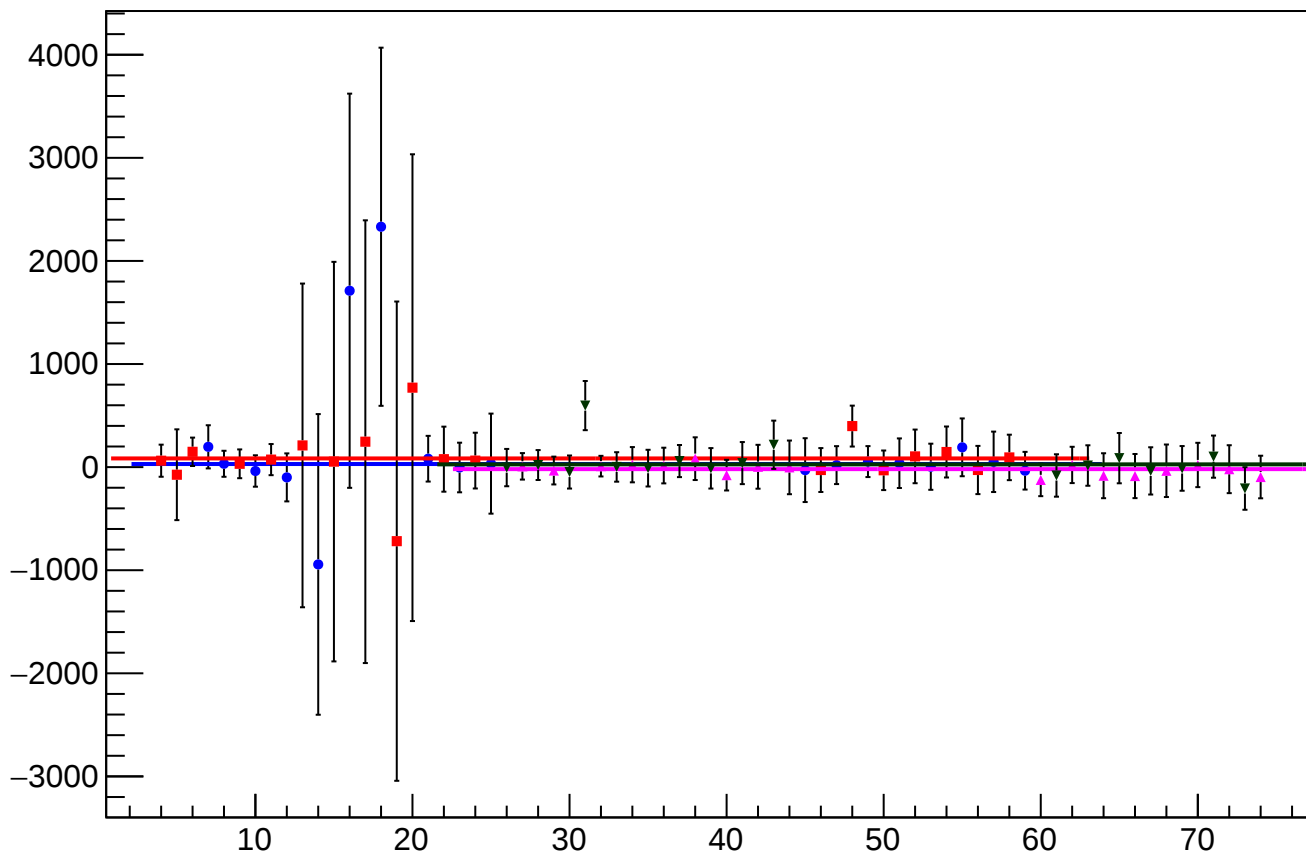
Right Out: 12.312+/-0.003 χ^2 /NDF: 6373010.7/18

Left In: 16.400+/-0.004 χ^2 /NDF: 379477.0/16

14.297+/-0.003 χ^2 /NDF: 6517238.5/34

14.068+/-0.003 χ^2 /NDF: 7378578.1/35

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: 26.805+/-45.715 χ^2/NDF : 8.6/16

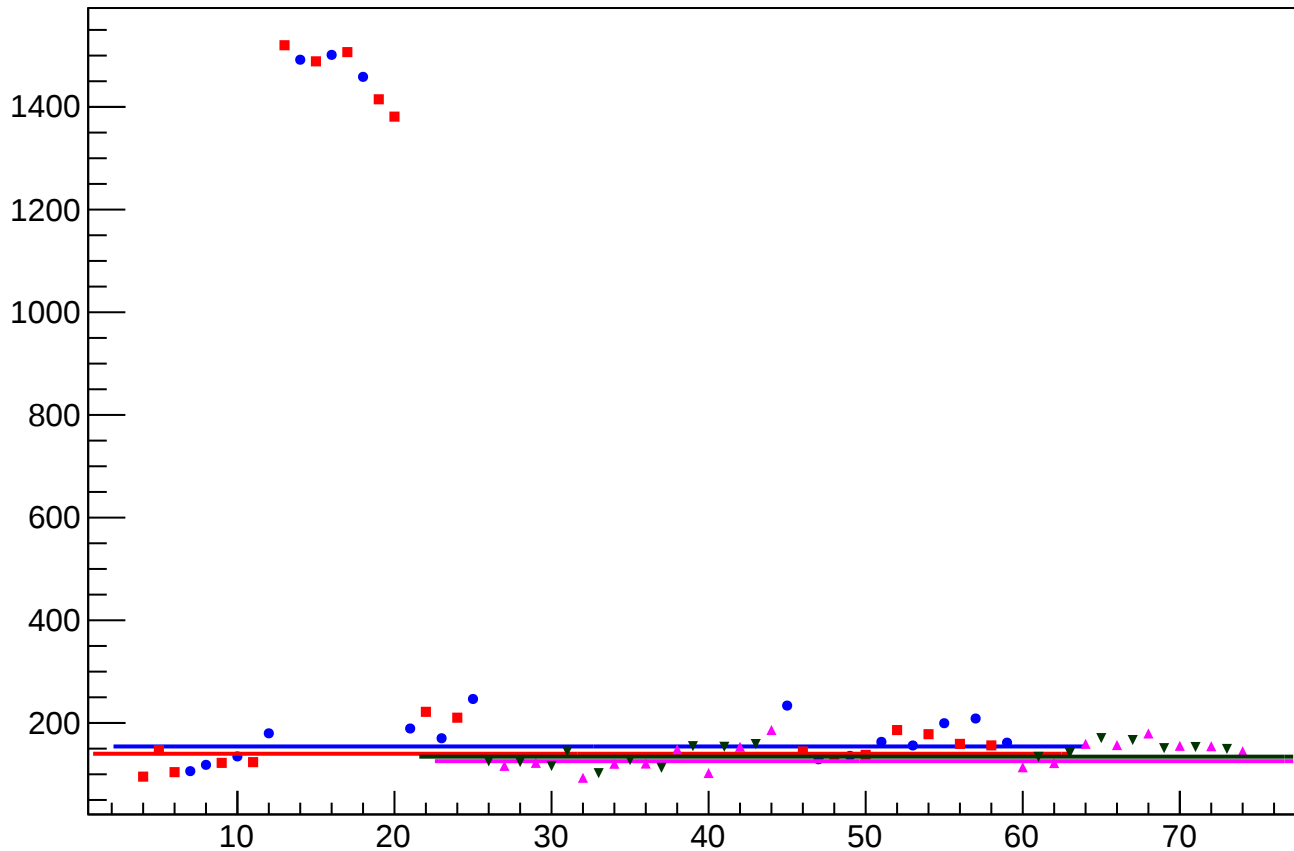
Right Out: 84.316+/-52.424 χ^2/NDF : 4.2/18

Left In: -19.443+/-41.417 χ^2/NDF : 1.5/16

28.195+/-34.410 χ^2/NDF : 13.4/34

20.431+/-32.499 χ^2/NDF : 8.1/35

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs slug



Right In: 154.234 $\pm$ 0.037 χ^2 /NDF: 4584859.8/17

Left Out: 134.359 $\pm$ 0.032 χ^2 /NDF: 374839.1/16

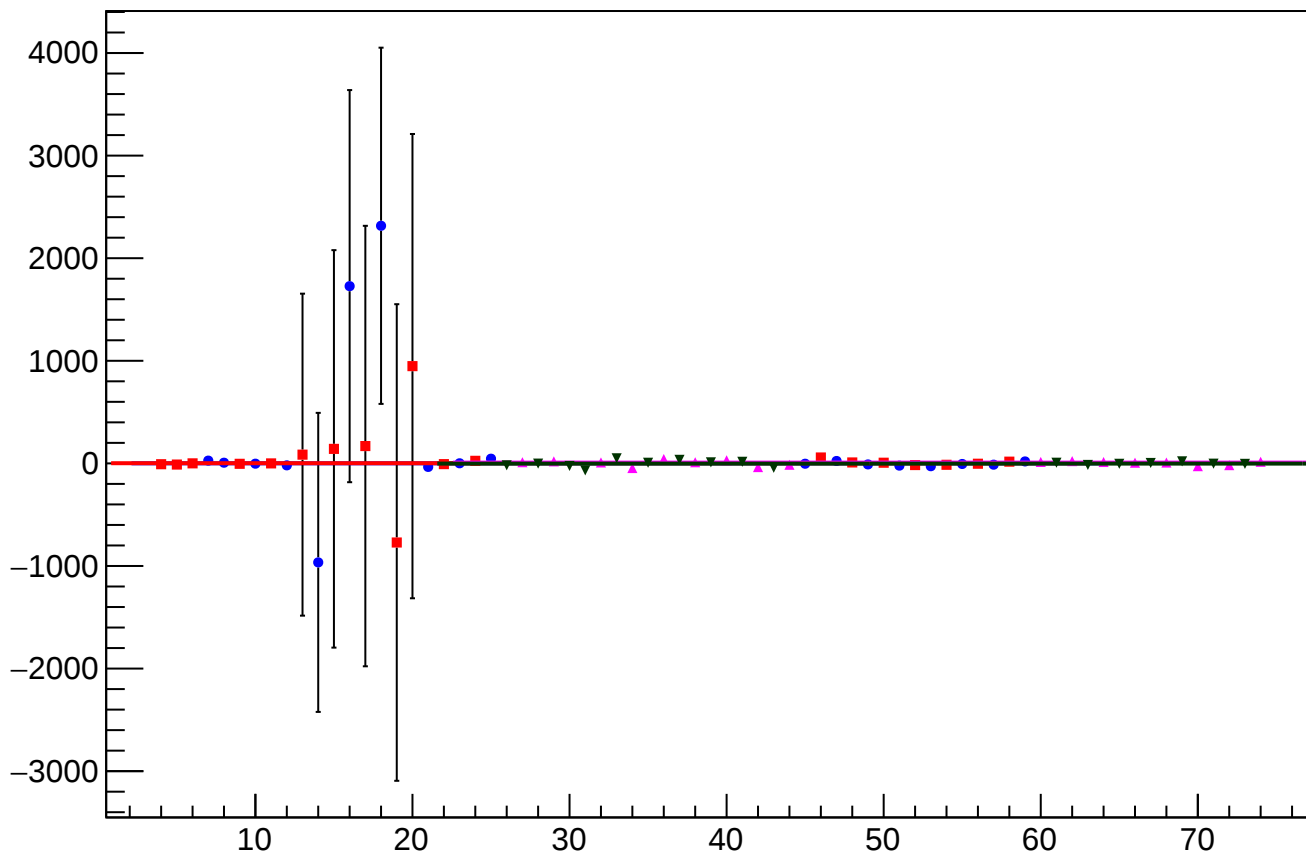
142.974 $\pm$ 0.024 χ^2 /NDF: 5123553.2/34

Right Out: 140.050 $\pm$ 0.037 χ^2 /NDF: 5289912.8/18

131.138 $\pm$ 0.023 χ^2 /NDF: 6104693.0/35

Left In: 125.576 $\pm$ 0.029 χ^2 /NDF: 720909.5/16

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs slug



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

Left Out: -2.021+/-5.595 χ^2/NDF : 19.1/16

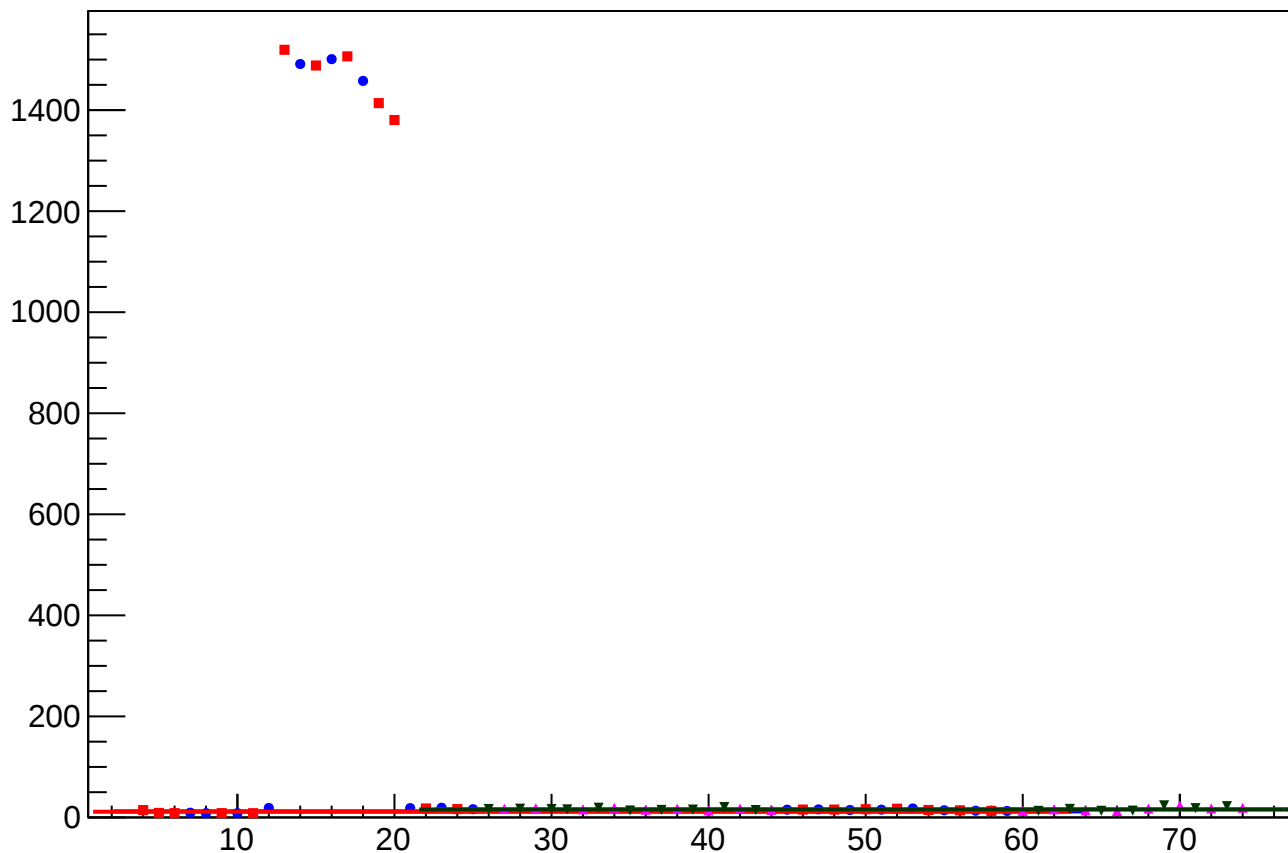
Right Out: 1.782+/-4.470 χ^2/NDF : 10.1/18

Left In: 7.882+/-5.393 χ^2/NDF : 13.7/16

-0.345+/-3.417 χ^2/NDF : 35.3/34

4.266+/-3.442 χ^2/NDF : 24.6/35

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs slug



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

Left Out: 15.871+/-0.004 χ^2/NDF : 432145.4/16

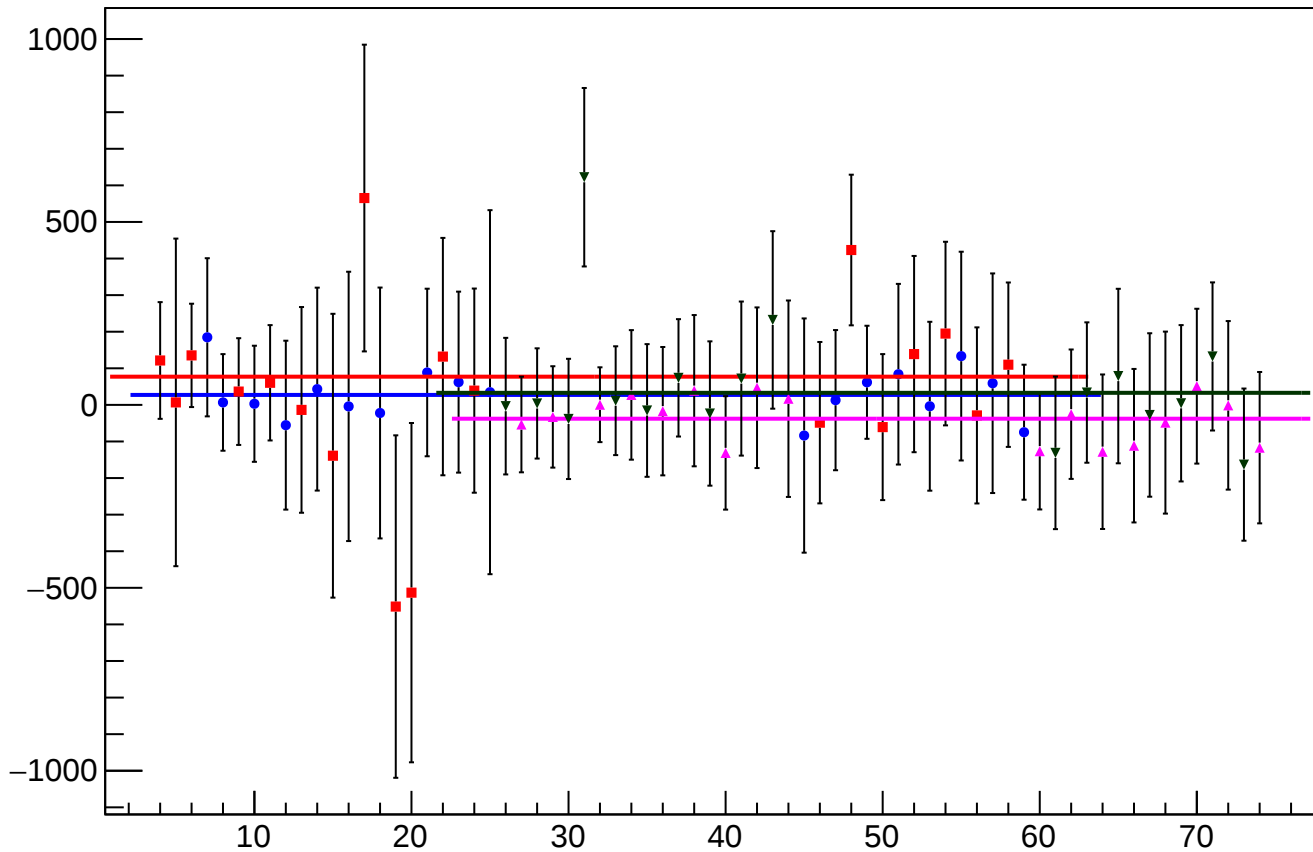
Right Out: 11.361+/-0.003 χ^2/NDF : 6645877.2/18

Left In: 16.000+/-0.004 χ^2/NDF : 378912.0/16

13.452+/-0.002 χ^2/NDF : 7089974.9/34

13.250+/-0.002 χ^2/NDF : 7902139.5/35

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: 32.979+/-46.445 χ^2/NDF : 8.9/16

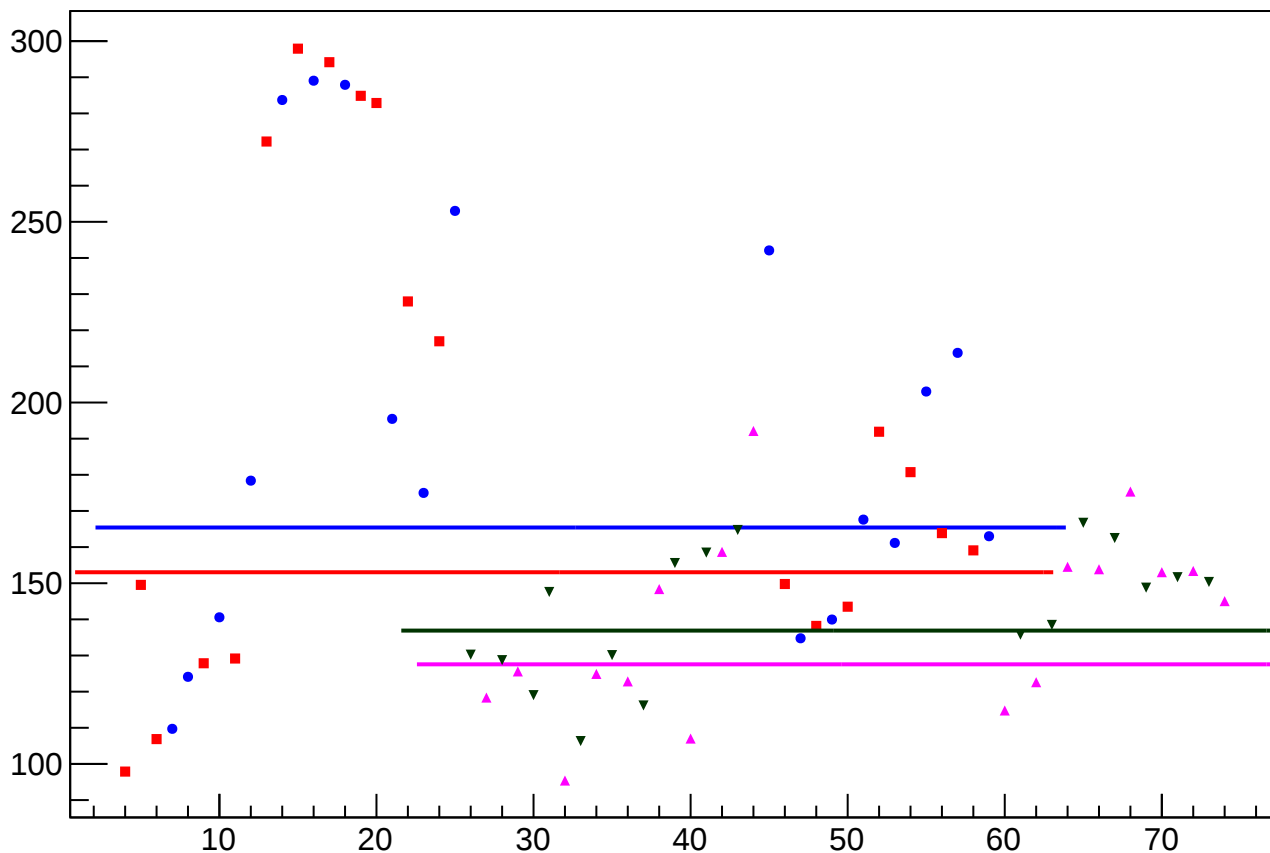
30.416+/-34.585 χ^2/NDF : 10.5/34

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

7.887+/-32.585 χ^2/NDF : 14.7/35

Left In: -37.772+/-41.977 χ^2/NDF : 2.0/16

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: 136.896 $\pm$ 0.033 χ^2 /NDF:304869.4/16

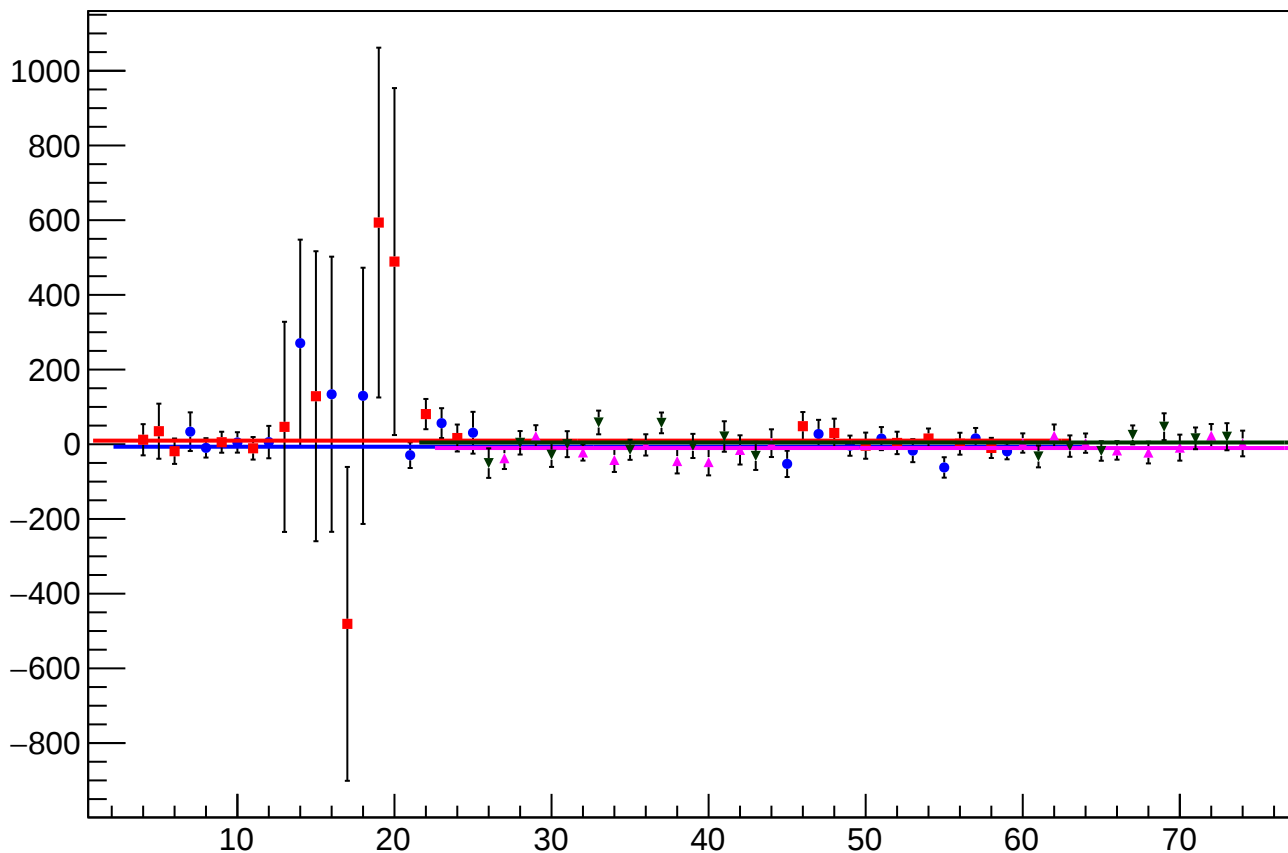
Right Out: 153.039 $\pm$ 0.037 χ^2 /NDF: 2037868.3/18

Left In: 127.560 $\pm$ 0.030 χ^2 /NDF:642201.6/16

149.603 $\pm$ 0.024 χ^2 /NDF: 2277317.4/34

137.686 $\pm$ 0.023 χ^2 /NDF: 2972926.1/35

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: 4.762+/-7.563 χ^2/NDF :15.9/16

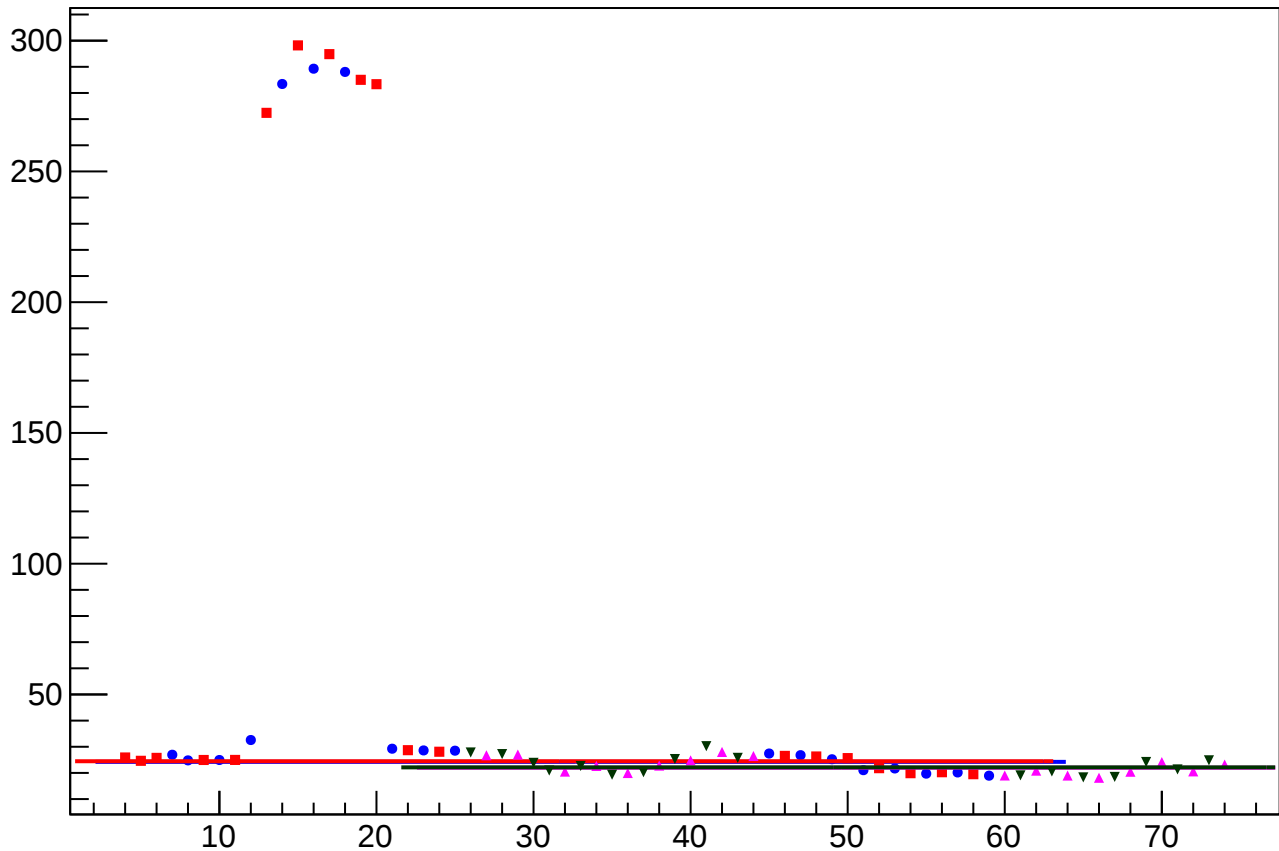
Right Out: 9.755+/-8.898 χ^2/NDF : 10.7/18

Left In: -10.095+/-7.195 χ^2/NDF :9.0/16

-0.539+/-5.517 χ^2/NDF : 30.8/34

-2.248+/-5.595 χ^2/NDF : 22.7/35

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: 22.124+/-0.005 χ^2/NDF : 381227.6/16

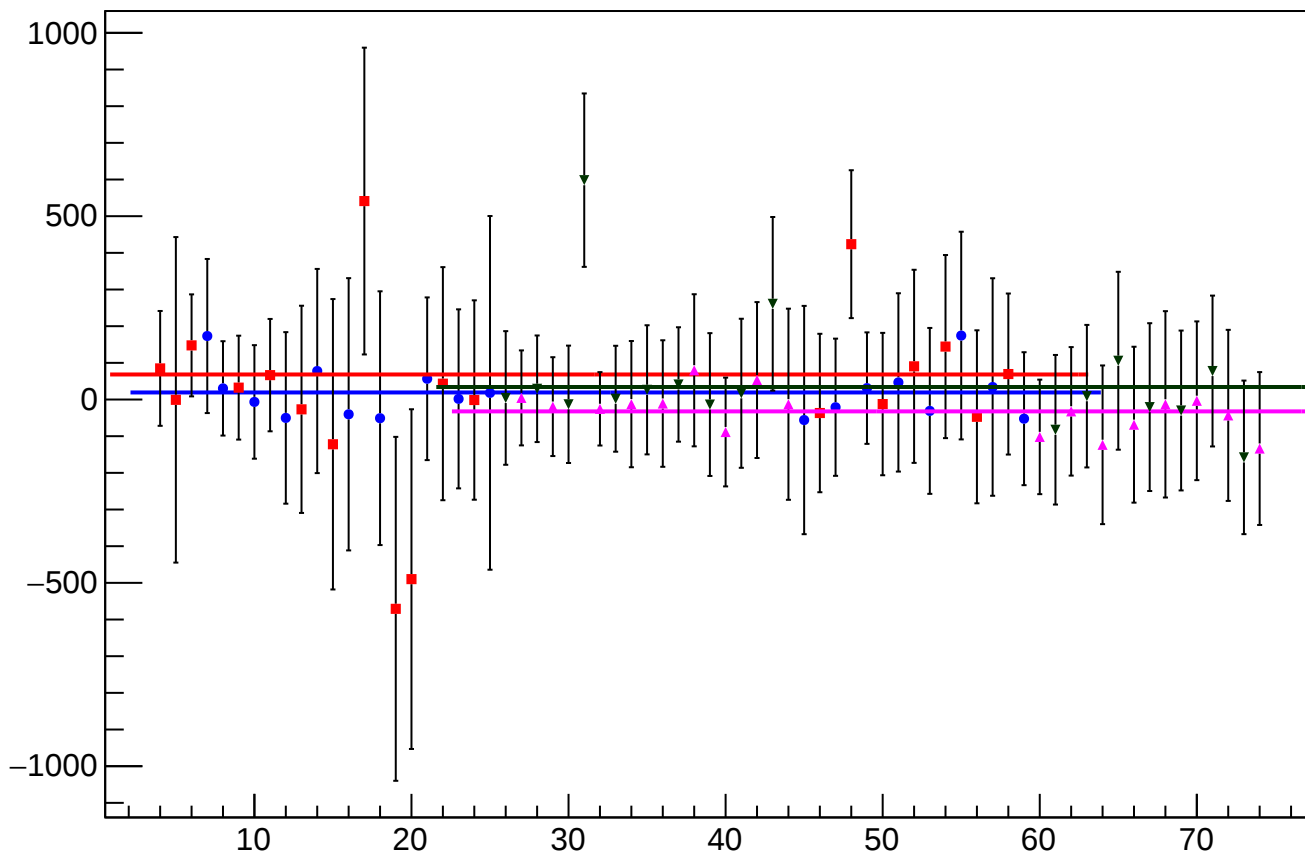
23.107+/-0.004 χ^2/NDF : 4866557.9/34

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

22.965+/-0.004 χ^2/NDF : 5301161.5/35

Left In: 21.983+/-0.005 χ^2/NDF : 347030.1/16

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: 34.148+/-45.733 χ^2/NDF : 8.3/16

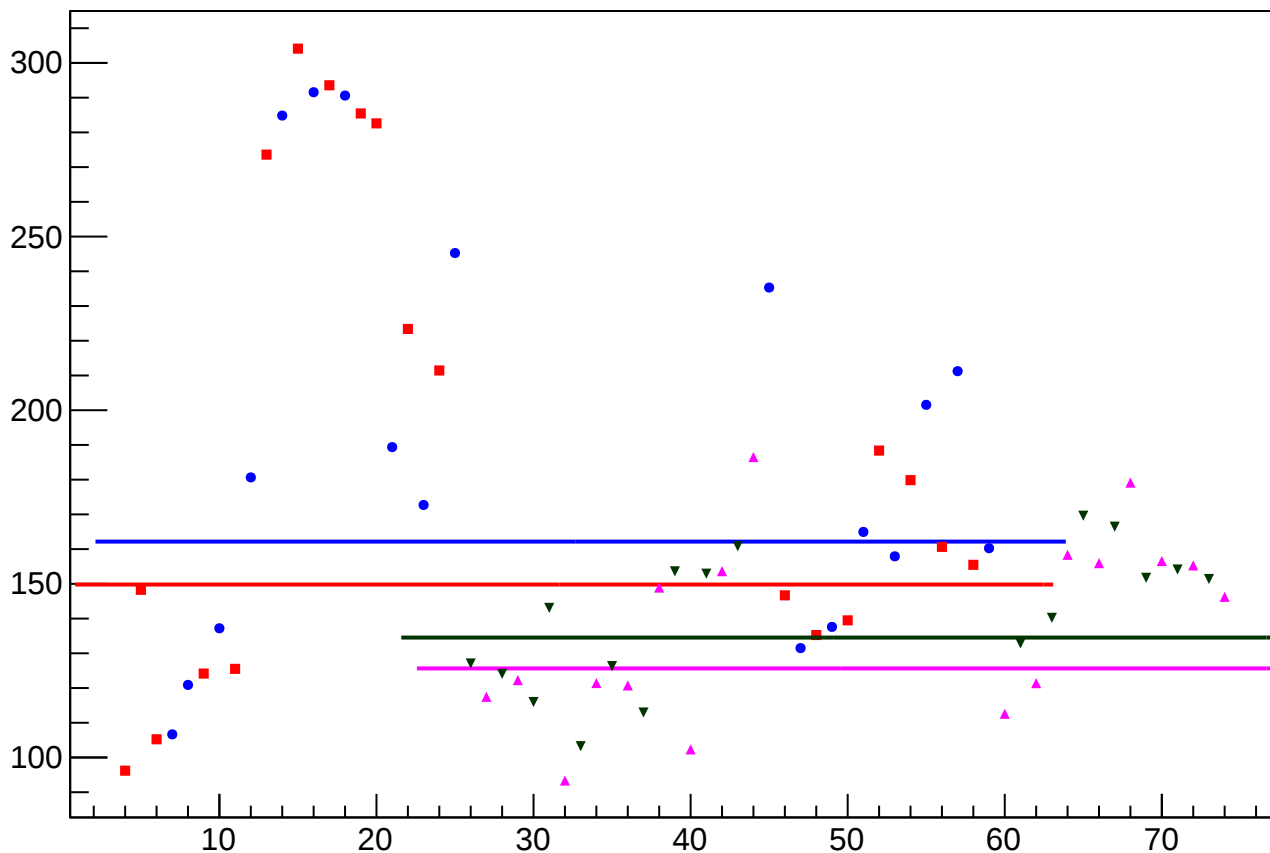
Right Out: 68.308+/-50.710 χ^2/NDF : 9.3/18

Left In: -32.351+/-41.429 χ^2/NDF : 1.4/16

27.501+/-34.023 χ^2/NDF : 9.8/34

7.940+/-32.083 χ^2/NDF : 13.0/35

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs slug



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

Left Out: 134.535 ± 0.032 χ^2/NDF : 366078.7/16

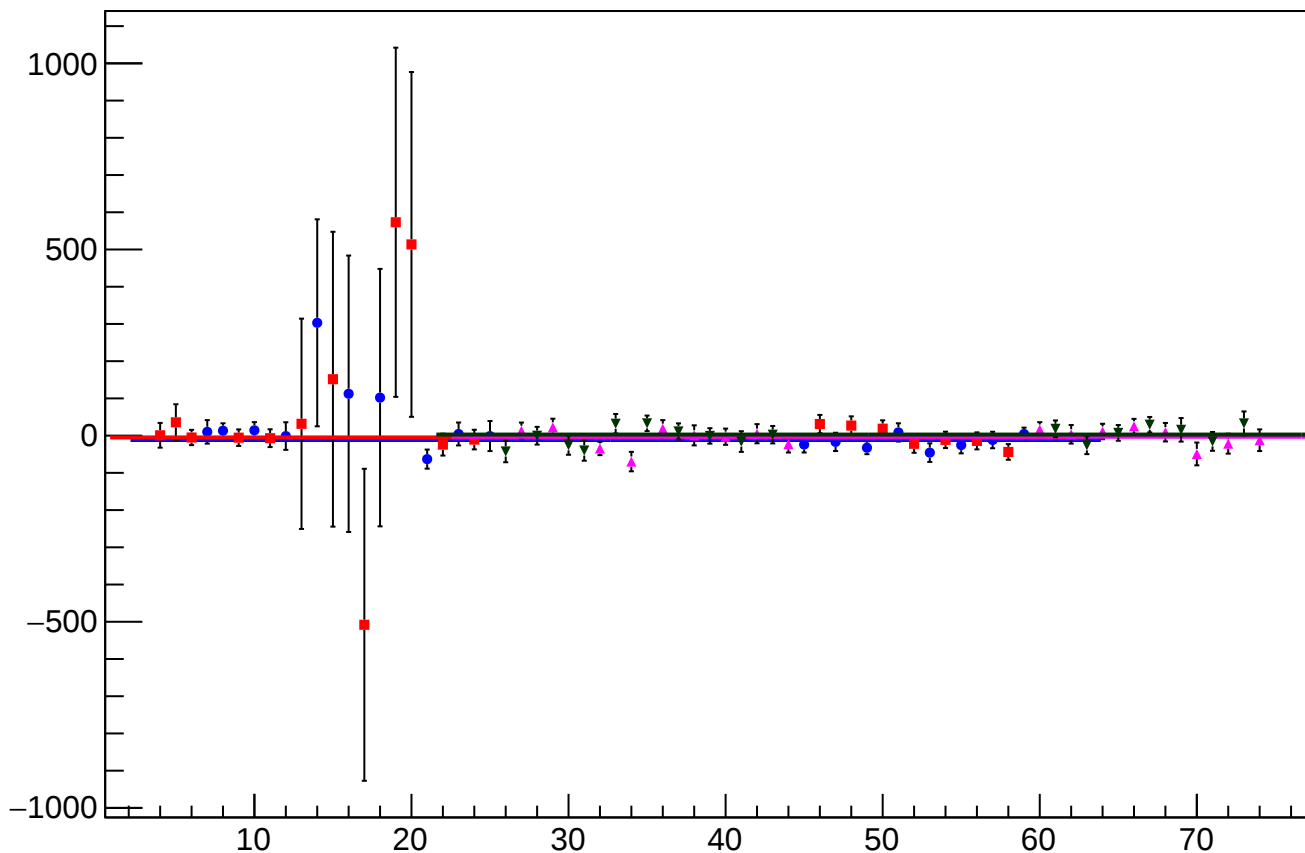
146.874 ± 0.024 χ^2/NDF : 2412722.3/34

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

135.315 ± 0.023 χ^2/NDF : 3108394.9/35

Left In: 125.644 ± 0.029 χ^2/NDF : 721553.8/16

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs slug



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

Left Out: 2.850 $\pm$ 5.875 χ^2 /NDF:15.3/16

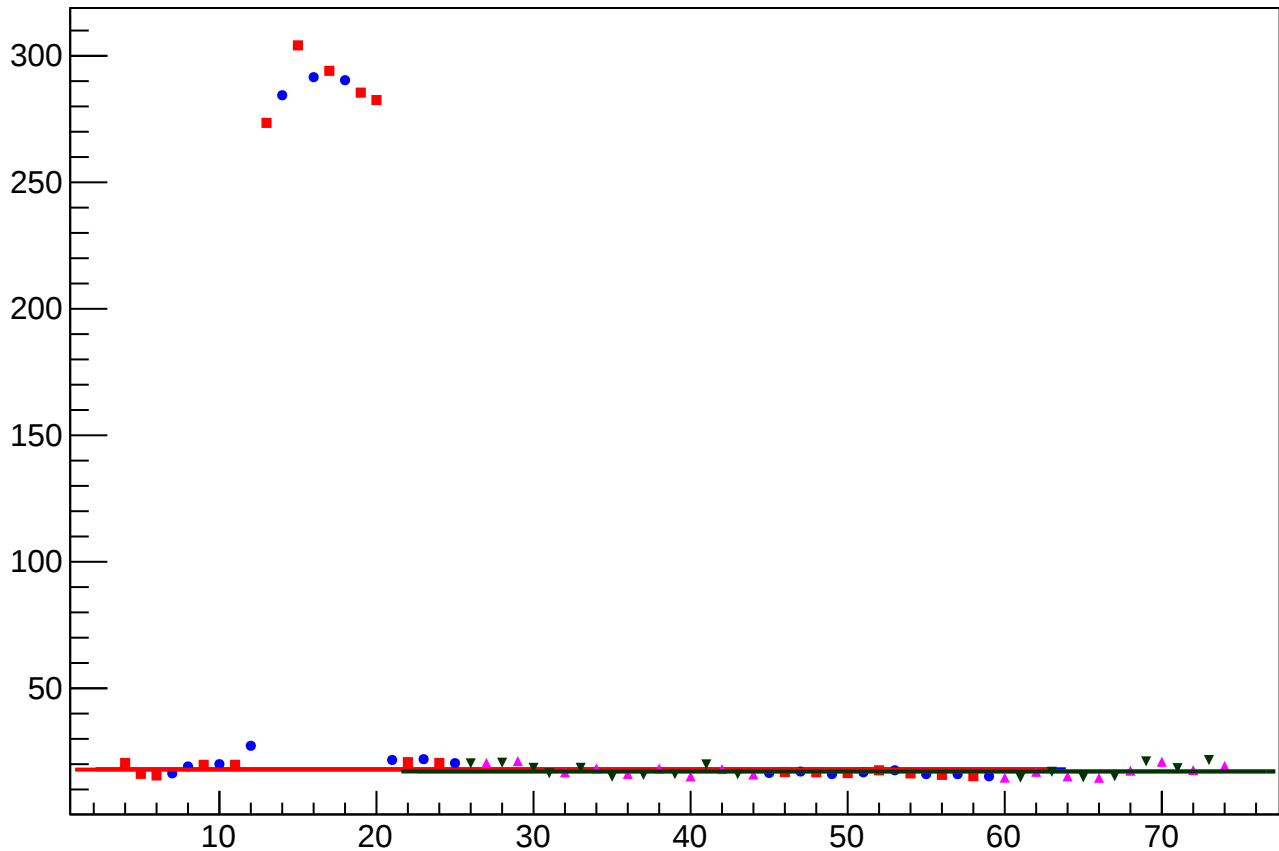
Right Out: -4.846 $\pm$ 6.550 χ^2 /NDF: 14.7/18

Left In: -3.032 $\pm$ 5.632 χ^2 /NDF:19.6/16

-4.235 $\pm$ 4.210 χ^2 /NDF: 33.3/34

-3.803 $\pm$ 4.270 χ^2 /NDF: 34.3/35

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs slug



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

Left Out: 17.119 $\pm$ 0.004 χ^2 /NDF: 281010.0/16

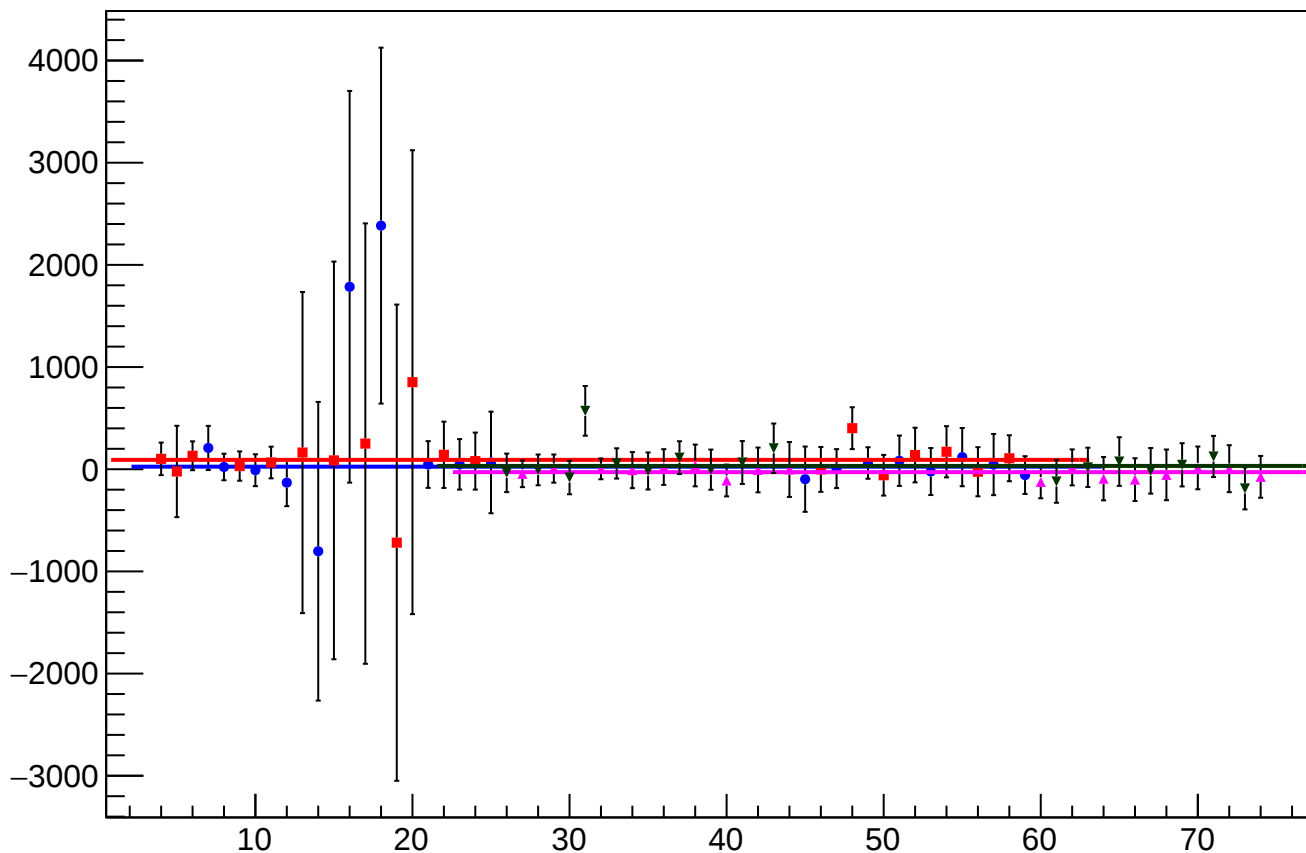
Right Out: 17.855 $\pm$ 0.005 χ^2 /NDF: 5034119.1/18

Left In: 17.148 $\pm$ 0.004 χ^2 /NDF: 267500.7/16

17.542 $\pm$ 0.003 χ^2 /NDF: 4827510.0/34

17.448 $\pm$ 0.003 χ^2 /NDF: 5315009.9/35

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: 32.375+/-46.348 χ^2/NDF : 8.5/16

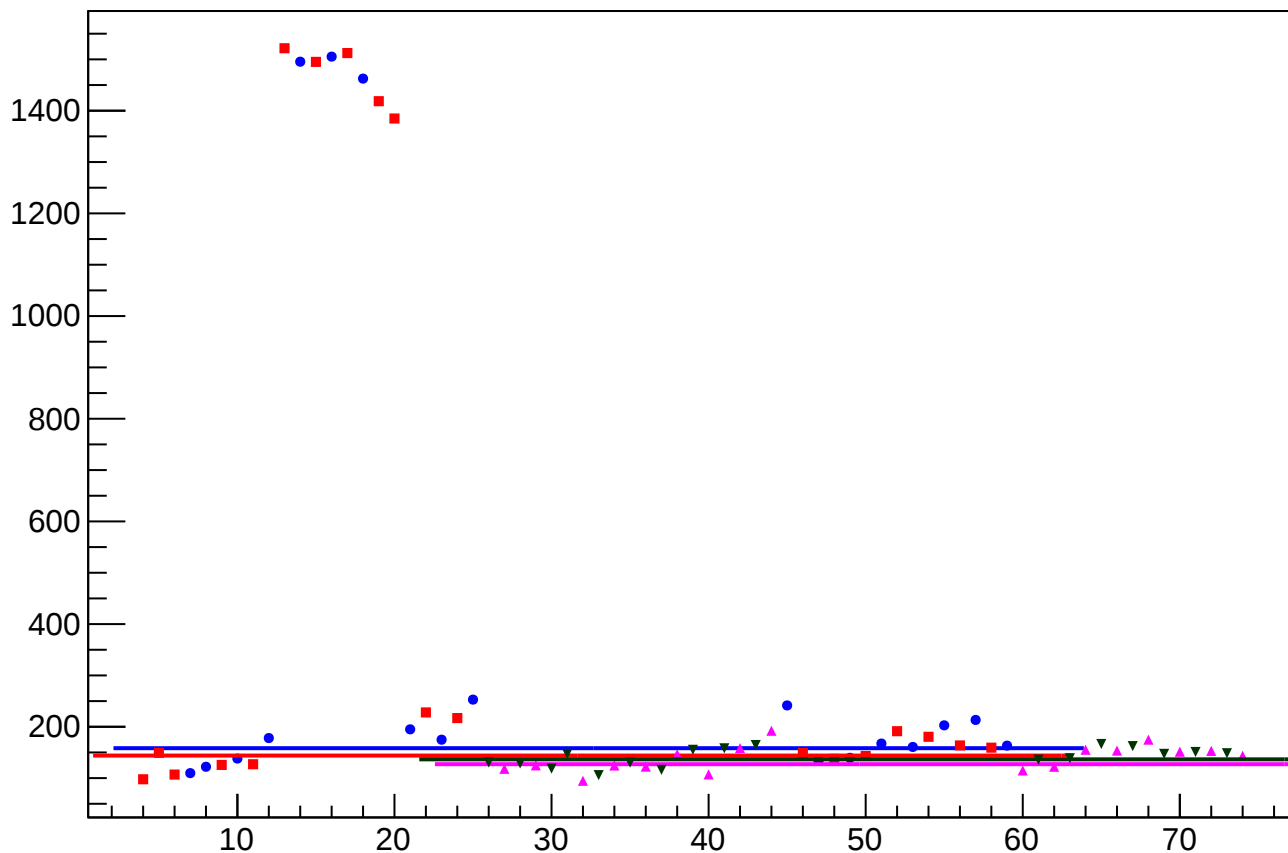
Right Out: 91.771+/-53.823 χ^2/NDF : 4.0/18

Left In: -28.583+/-41.834 χ^2/NDF : 1.4/16

29.265+/-35.042 χ^2/NDF : 13.4/34

16.743+/-33.030 χ^2/NDF : 8.6/35

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: 136.546+/-0.033 χ^2/NDF :302855.9/16

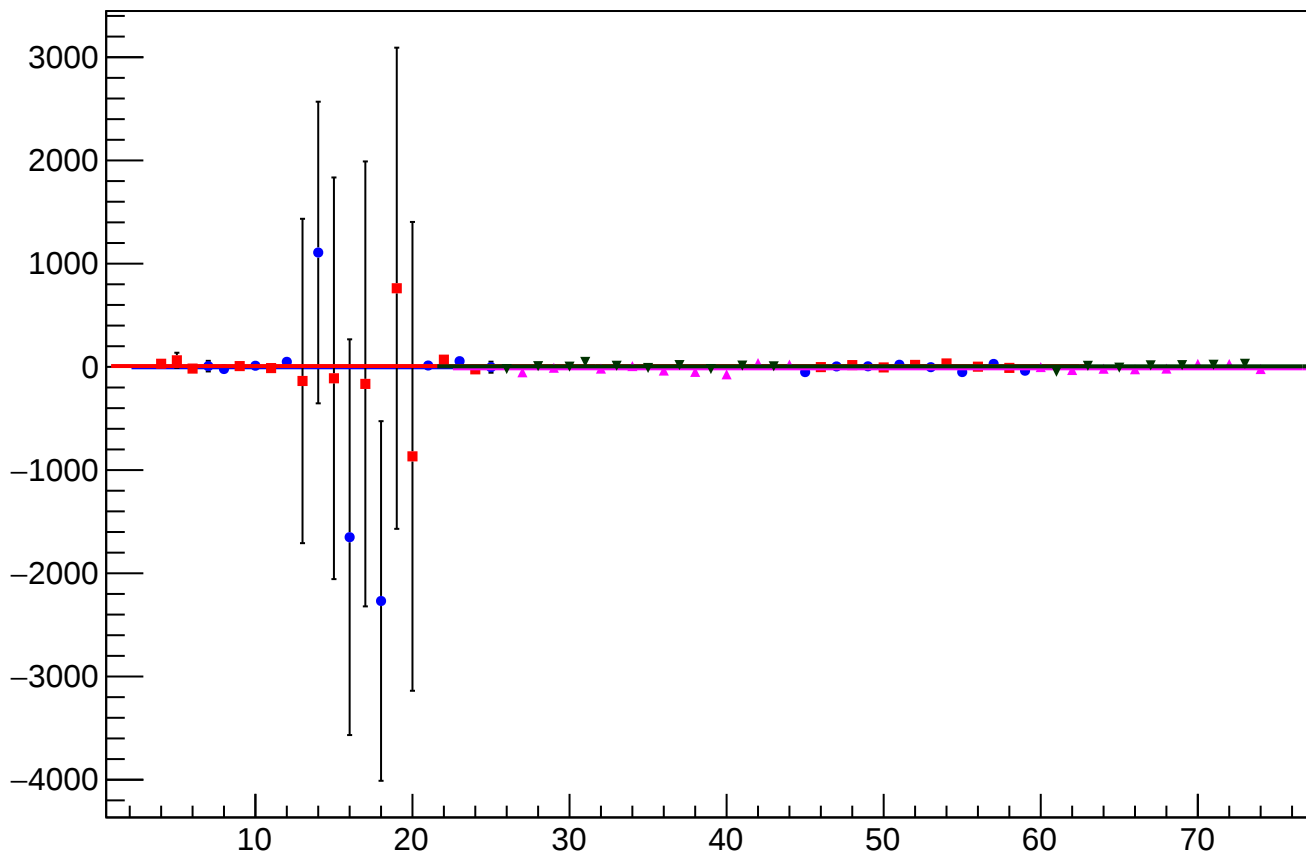
Right Out: 143.939+/-0.038 χ^2/NDF : 5267987.5/18

Left In: 127.110+/-0.030 χ^2/NDF :642675.5/16

145.855+/-0.025 χ^2/NDF : 5030175.3/34

133.448+/-0.023 χ^2/NDF : 6032553.4/35

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: 5.350+/-7.098 χ^2/NDF : 8.5/16

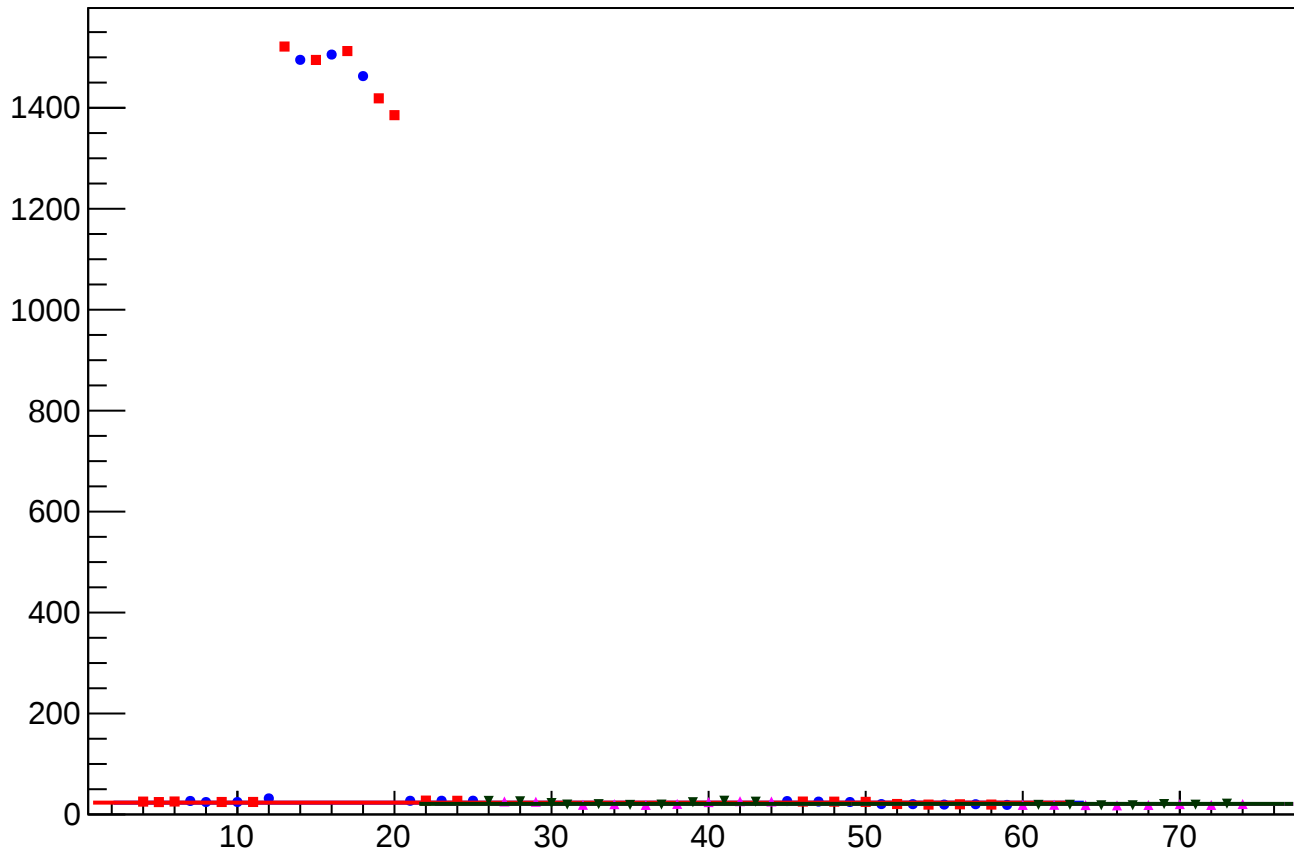
Right Out: 7.973+/-8.718 χ^2/NDF : 7.3/18

Left In: -14.132+/-6.728 χ^2/NDF : 15.5/16

1.128+/-5.273 χ^2/NDF : 26.9/34

-5.881+/-5.327 χ^2/NDF : 26.8/35

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: 20.946+/-0.005 χ^2/NDF :316216.8/16

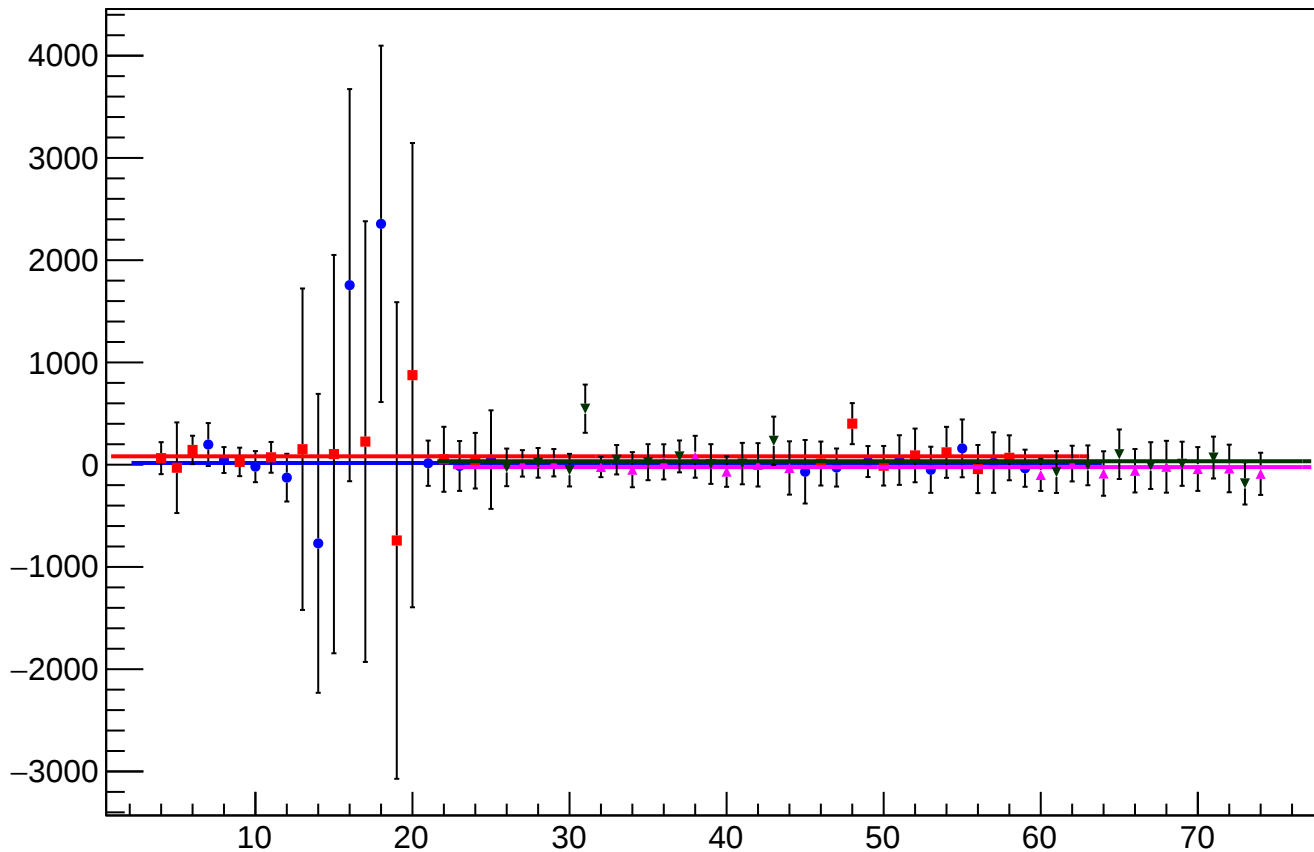
Right Out: 23.445+/-0.006 χ^2/NDF : 5561556.7/18

Left In: 20.728+/-0.005 χ^2/NDF :320109.5/16

22.018+/-0.004 χ^2/NDF : 5383053.5/34

21.742+/-0.004 χ^2/NDF : 6003430.7/35

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: 33.749+/-45.636 χ^2/NDF : 7.6/16

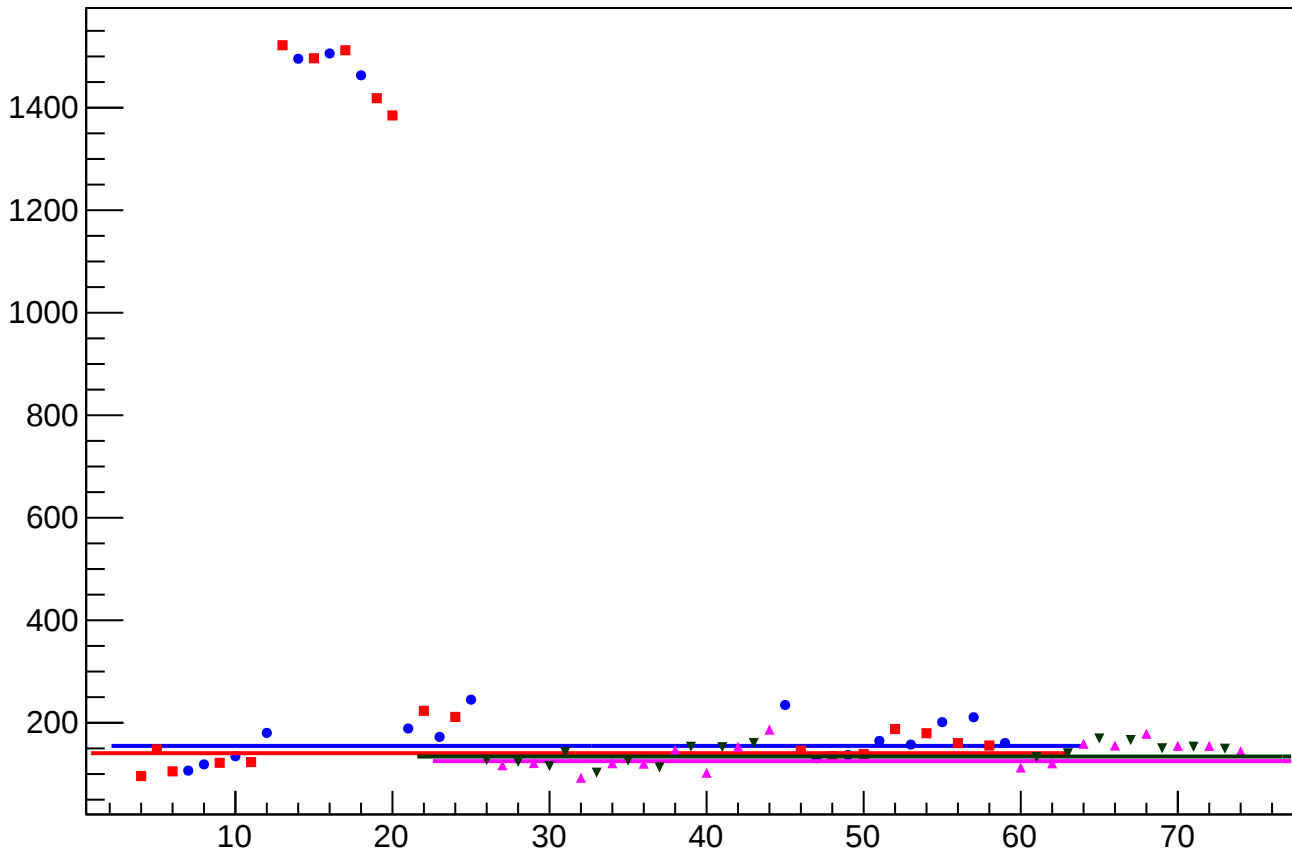
Right Out: 81.906+/-52.666 χ^2/NDF : 3.9/18

Left In: -23.445+/-41.286 χ^2/NDF : 1.1/16

26.511+/-34.439 χ^2/NDF : 12.4/34

16.654+/-32.492 χ^2/NDF : 7.5/35

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs slug



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

Left Out: 134.189 $\pm$ 0.032 χ^2 /NDF: 363721.6/16

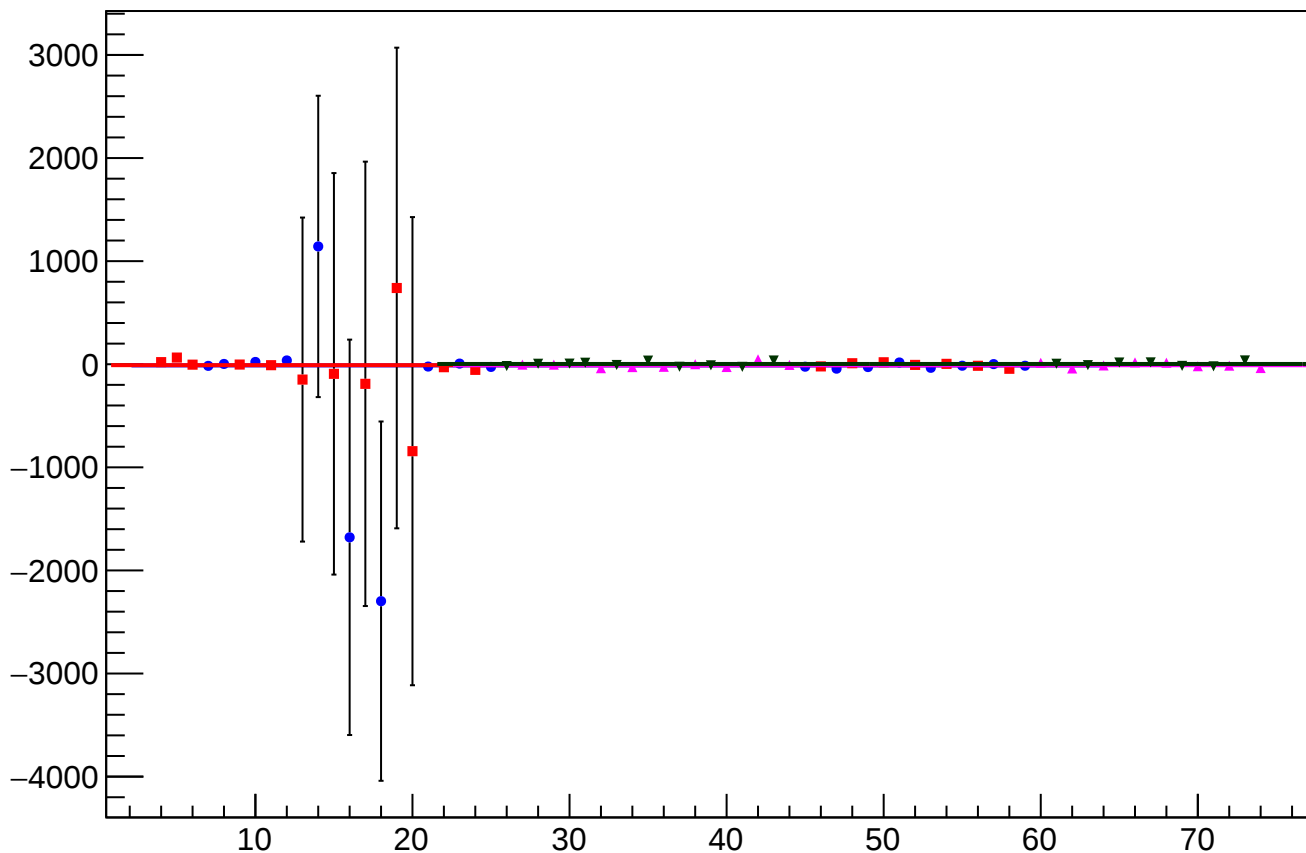
Right Out: 140.710 $\pm$ 0.037 χ^2 /NDF: 5291988.7/18

Left In: 125.195 $\pm$ 0.029 χ^2 /NDF: 722083.3/16

143.126 $\pm$ 0.024 χ^2 /NDF: 5122467.0/34

131.100 $\pm$ 0.023 χ^2 /NDF: 6121567.7/35

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: 2.629 $\pm$ 5.422 χ^2 /NDF: 14.2/16

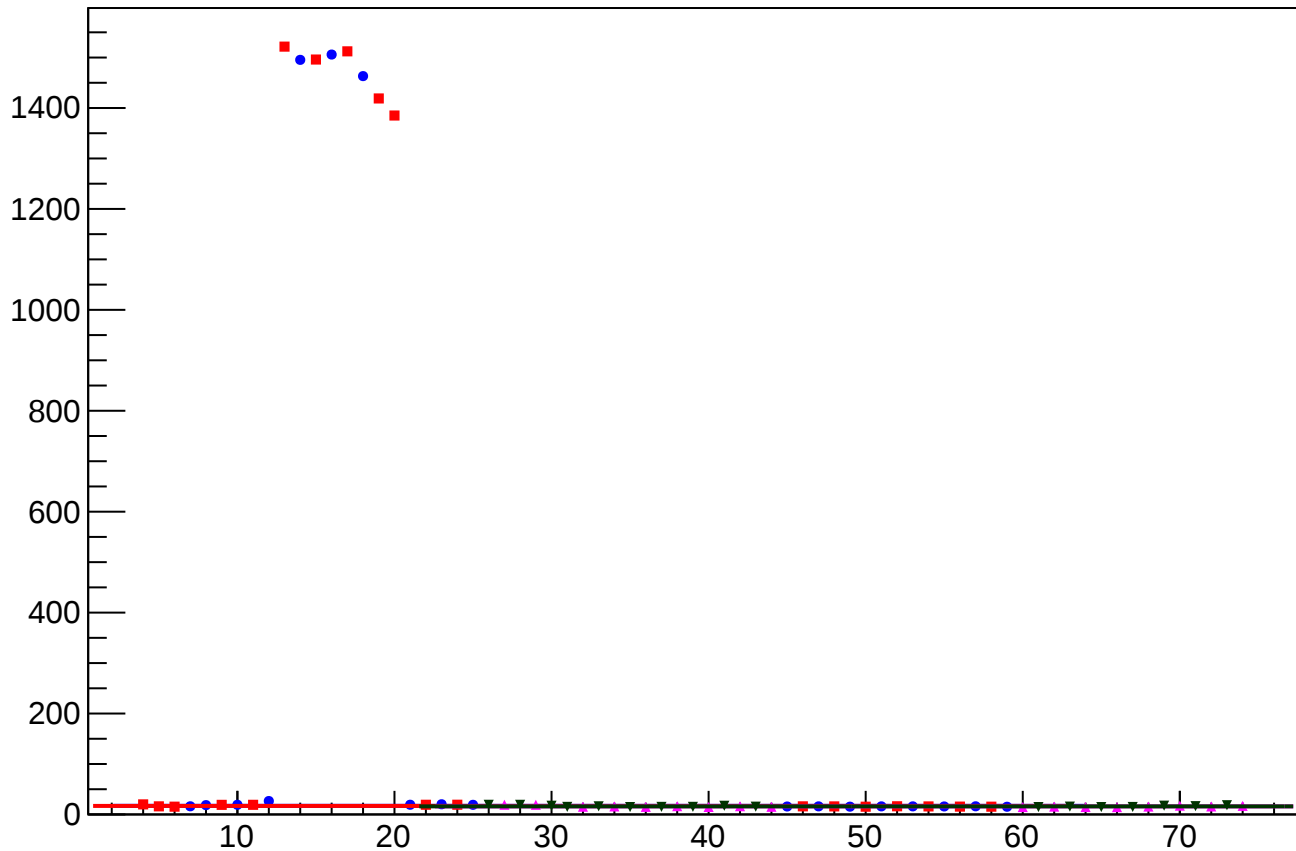
Right Out: -8.864 $\pm$ 6.293 χ^2 /NDF: 13.3/18

Left In: -9.695 $\pm$ 5.182 χ^2 /NDF: 19.5/16

-3.914 $\pm$ 3.952 χ^2 /NDF: 32.3/34

-9.359 $\pm$ 4.001 χ^2 /NDF: 32.8/35

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs slug



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

Left Out: 16.039+/-0.004 χ^2/NDF :144988.3/16

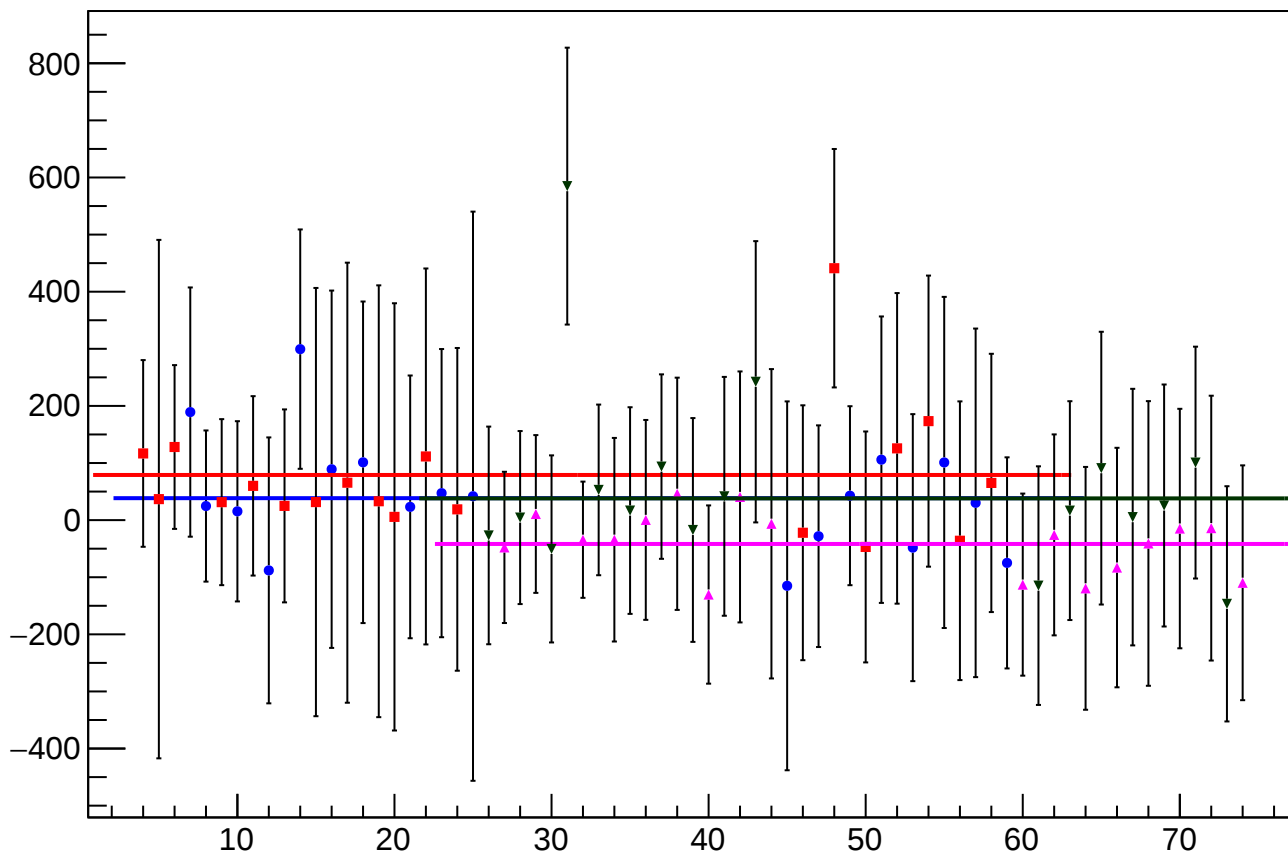
Right Out: 16.920+/-0.004 χ^2/NDF : 5539958.1/18

Left In: 16.012+/-0.004 χ^2/NDF :147936.1/16

16.534+/-0.003 χ^2/NDF : 5102470.7/34

16.379+/-0.003 χ^2/NDF : 5712674.6/35

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: 38.066+/-46.520 χ^2/NDF : 8.0/16

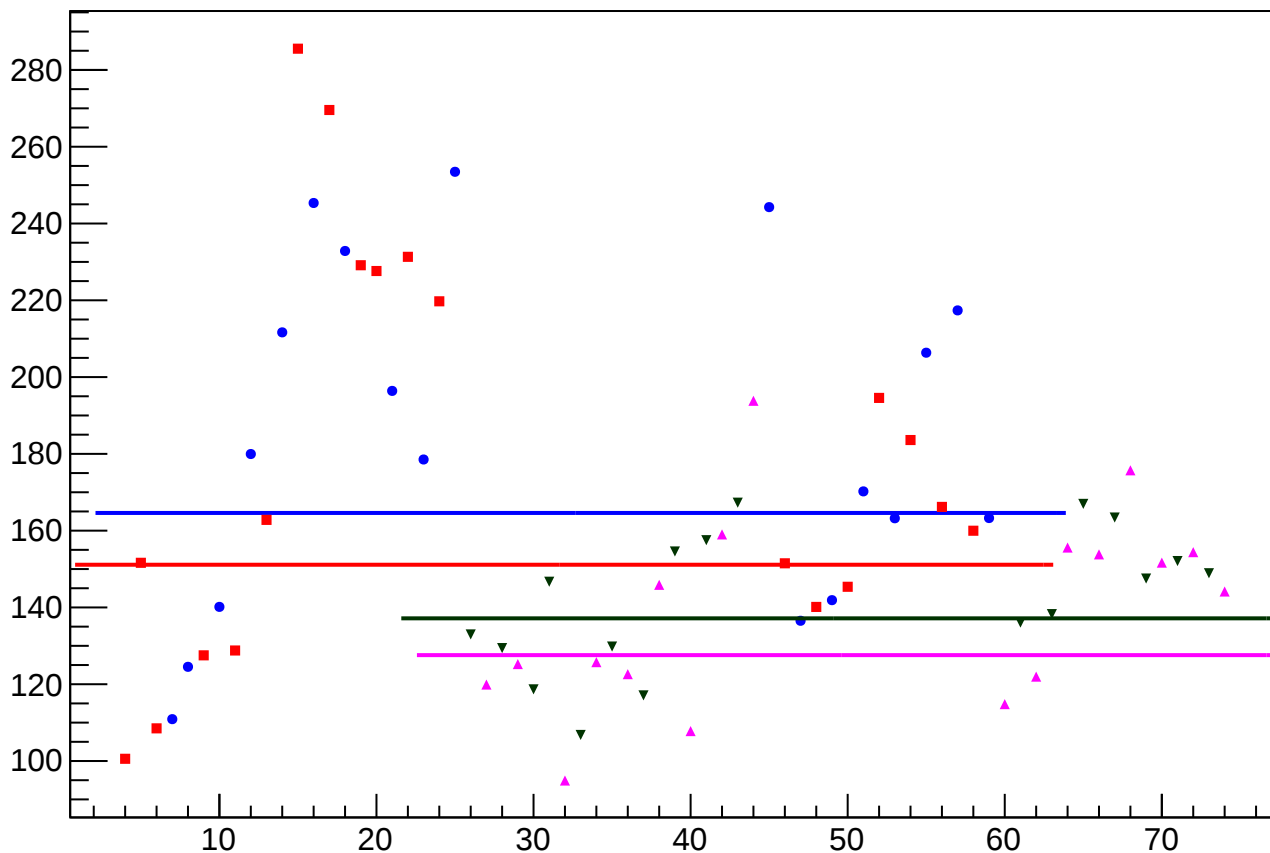
Right Out: 79.078+/-50.233 χ^2/NDF : 4.5/18

Left In: -41.741+/-41.984 χ^2/NDF : 1.4/16

38.240+/-34.382 χ^2/NDF : 11.4/34

7.946+/-32.214 χ^2/NDF : 9.3/35

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: 137.160 $\pm$ 0.033 χ^2 /NDF: 296989.1/16

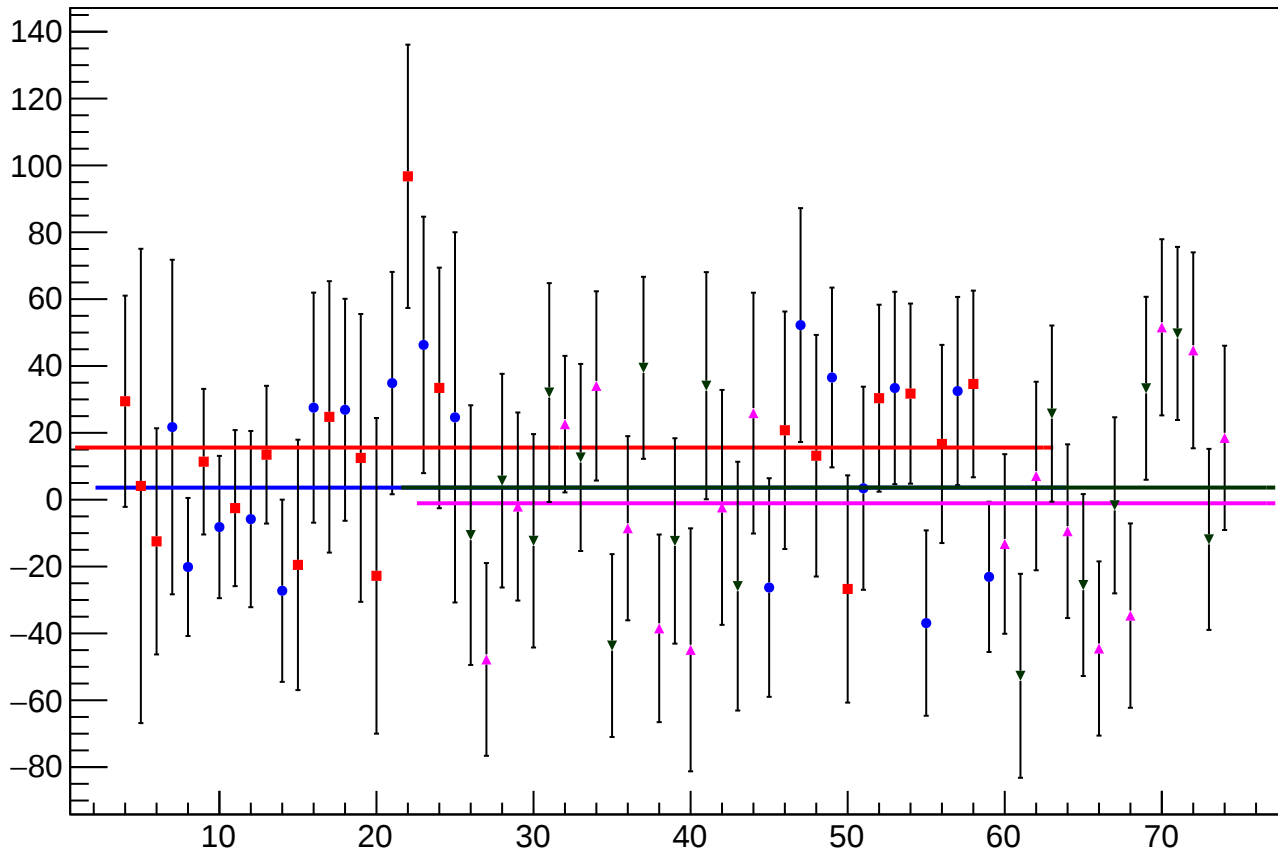
149.617 $\pm$ 0.024 χ^2 /NDF: 1741578.5/34

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

137.262 $\pm$ 0.023 χ^2 /NDF: 2327897.7/35

Left In: 127.579 $\pm$ 0.030 χ^2 /NDF: 645790.0/16

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs slug



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

Left Out: 3.626 ± 7.132 χ^2/NDF : 17.6/16

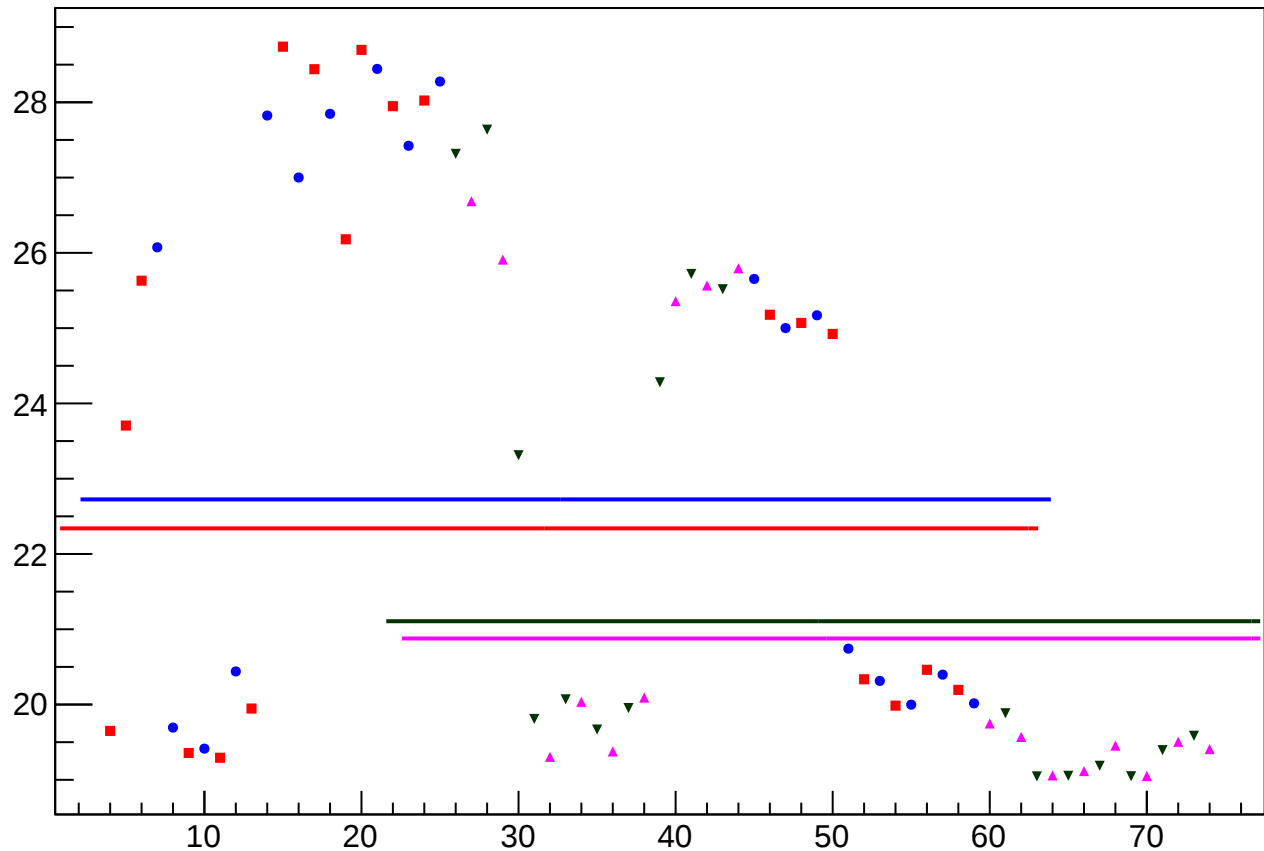
Right Out: 15.596 ± 7.143 χ^2/NDF : 10.3/18

Left In: -1.068 ± 6.762 χ^2/NDF : 21.0/16

3.615 ± 4.937 χ^2/NDF : 34.0/34

6.808 ± 4.911 χ^2/NDF : 34.2/35

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: 21.107+/-0.005 χ^2/NDF : 309287.9/16

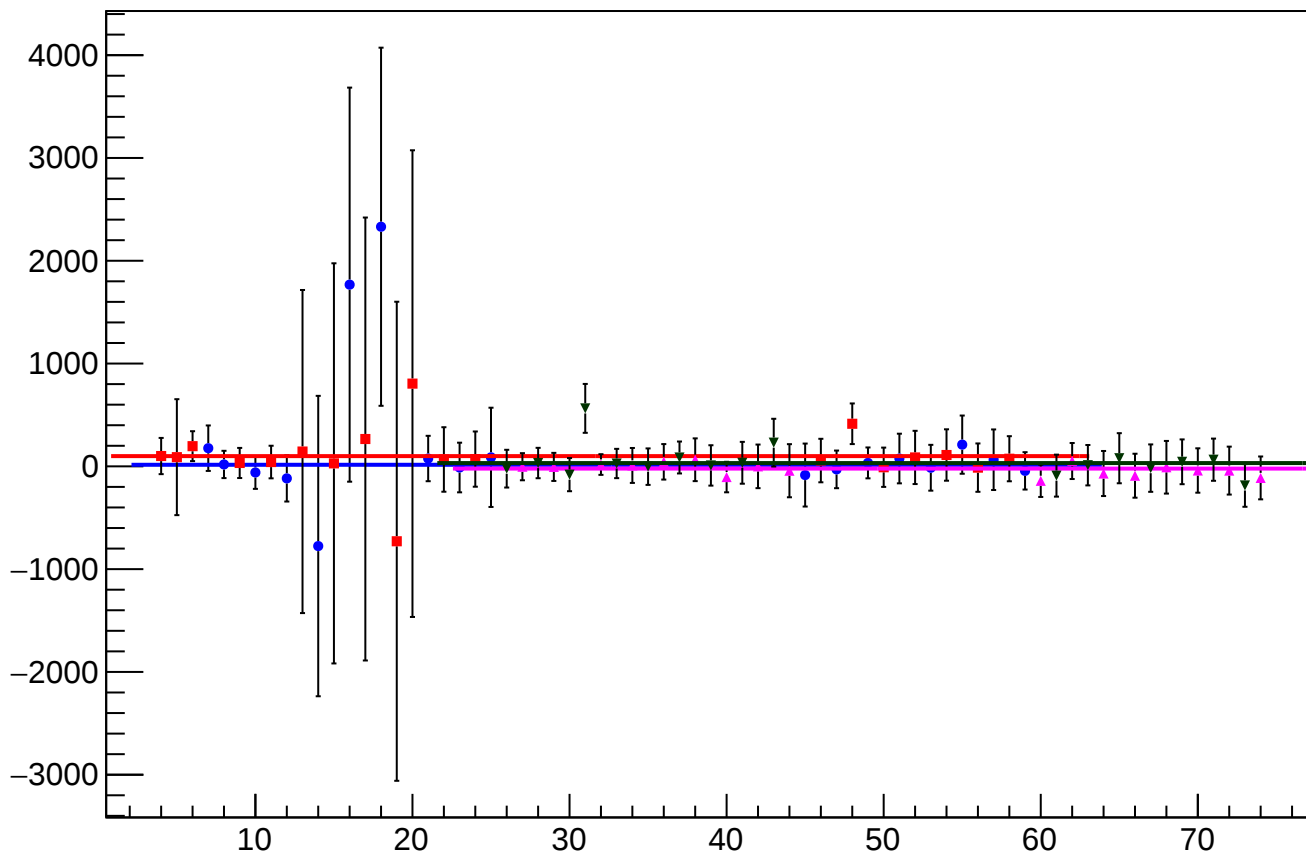
Right Out: 22.340+/-0.005 χ^2/NDF : 460008.2/18

Left In: 20.878+/-0.005 χ^2/NDF : 321333.2/16

21.949+/-0.003 χ^2/NDF : 861686.2/34

21.569+/-0.003 χ^2/NDF : 825535.6/35

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs slug



Right In: 15.197+/-53.019 χ^2/NDF : 5.0/17

Left Out: 31.839+/-45.830 χ^2/NDF : 8.1/16

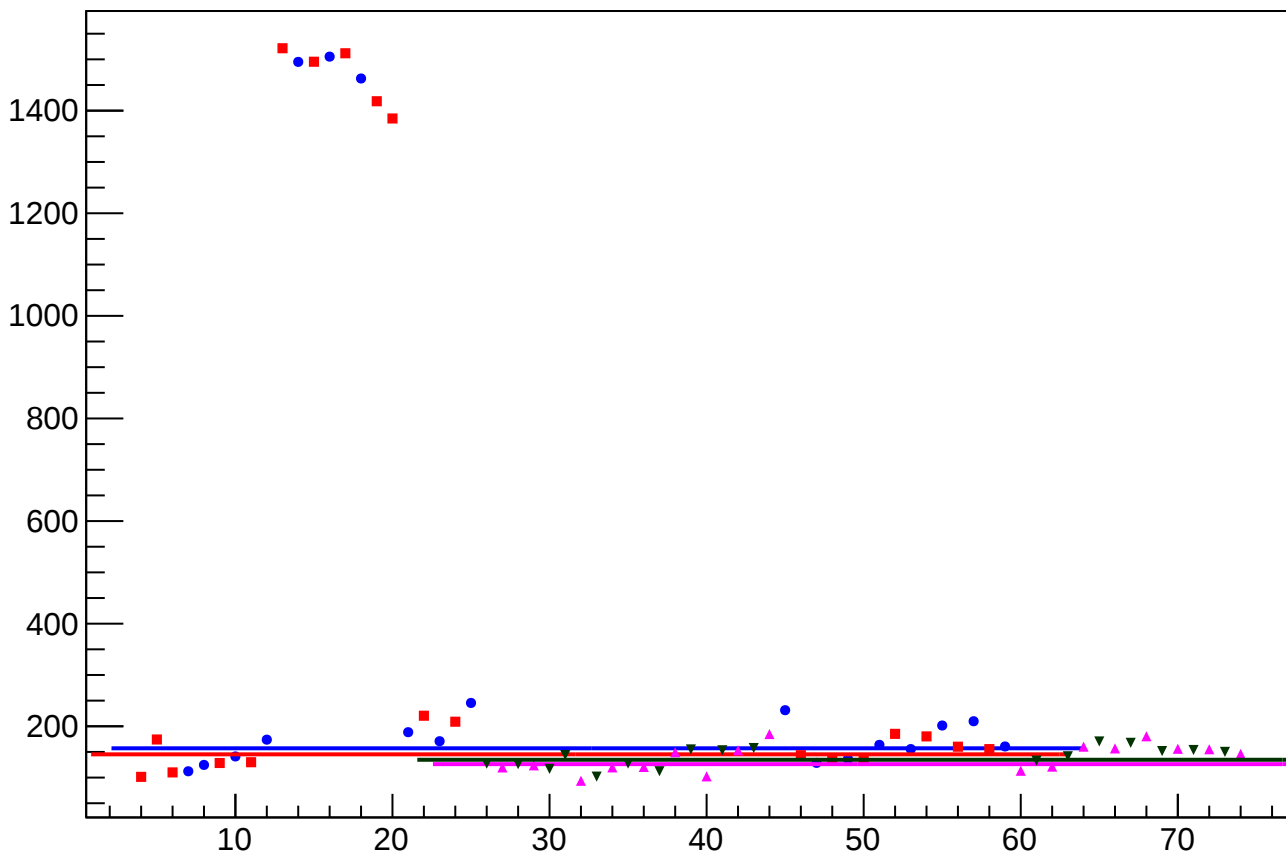
Right Out: 99.514+/-54.286 χ^2/NDF : 4.2/18

Left In: -21.905+/-41.598 χ^2/NDF : 2.0/16

24.722+/-34.672 χ^2/NDF : 13.1/34

23.014+/-33.019 χ^2/NDF : 9.3/35

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs slug



Right In: 157.088 $\pm$ 0.037 χ^2 /NDF: 4456786.2/17

Left Out: 134.723 $\pm$ 0.032 χ^2 /NDF: 372433.1/16

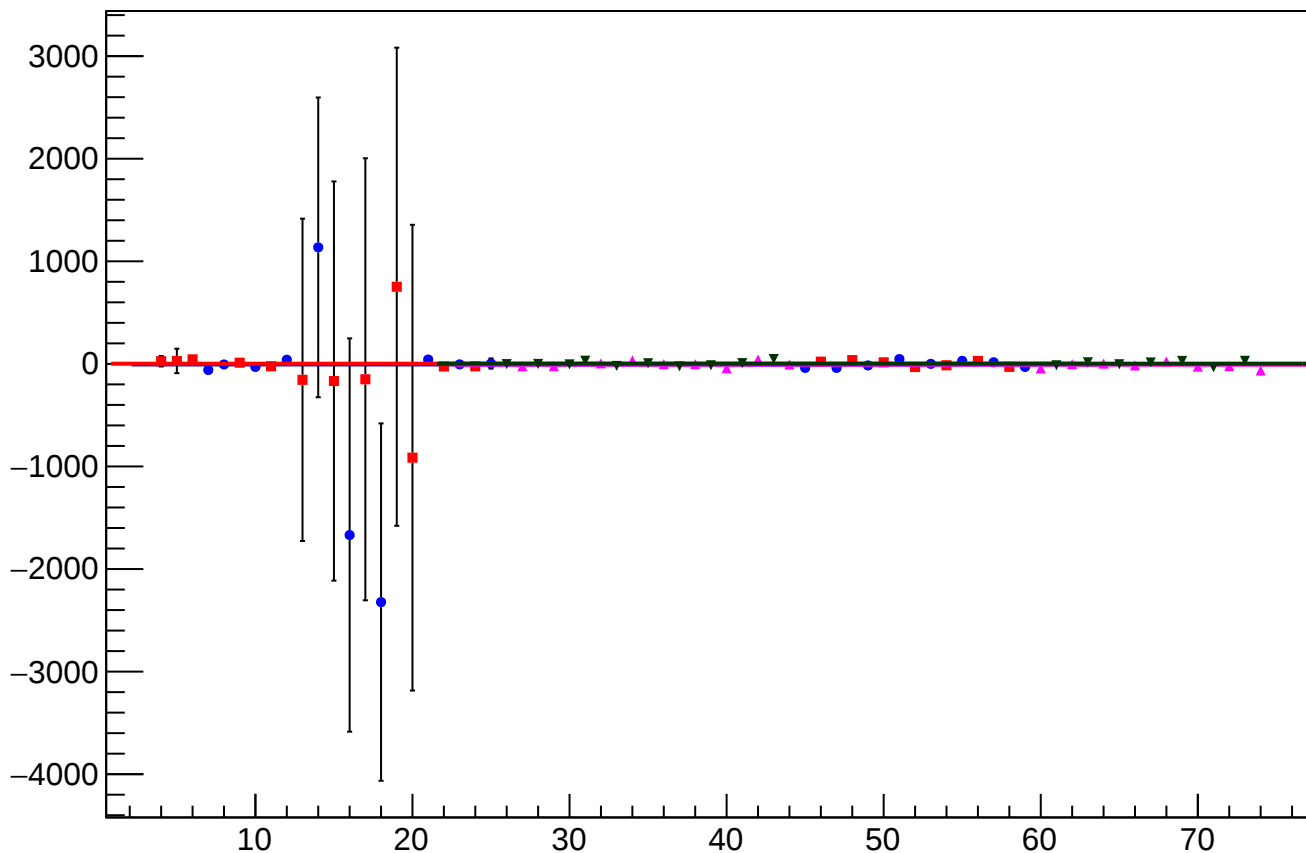
Right Out: 145.299 $\pm$ 0.038 χ^2 /NDF: 5124139.9/18

Left In: 126.197 $\pm$ 0.029 χ^2 /NDF: 711764.5/16

144.287 $\pm$ 0.025 χ^2 /NDF: 5032914.6/34

133.264 $\pm$ 0.023 χ^2 /NDF: 5991926.4/35

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs slug



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

Left Out: 2.193+/-7.011 χ^2/NDF : 9.3/16

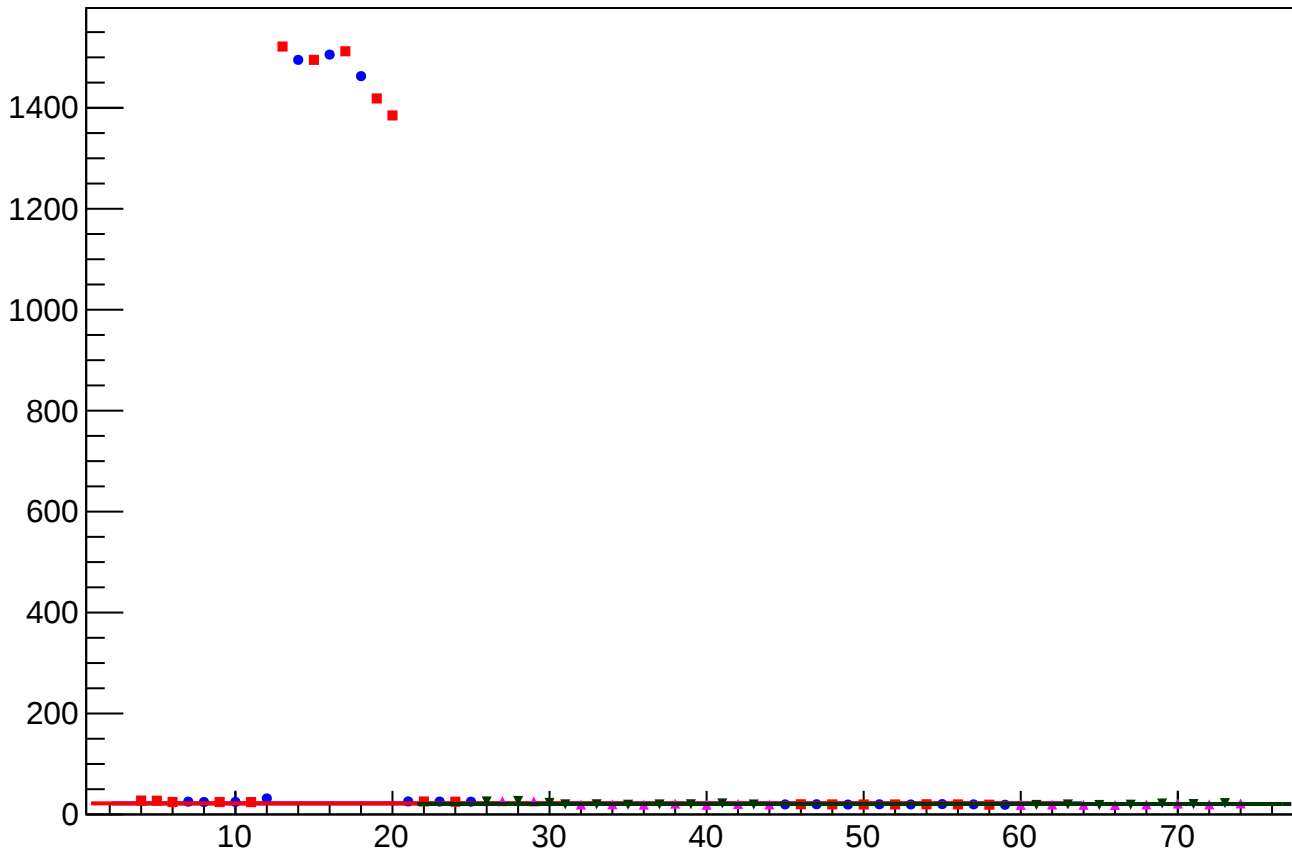
Right Out: 1.722+/-8.261 χ^2/NDF : 10.4/18

Left In: -8.665+/-6.679 χ^2/NDF : 15.0/16

-1.528+/-5.086 χ^2/NDF : 28.6/34

-4.559+/-5.194 χ^2/NDF : 26.3/35

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs slug



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

Left Out: 20.768+/-0.005 χ^2 /NDF:171386.9/16

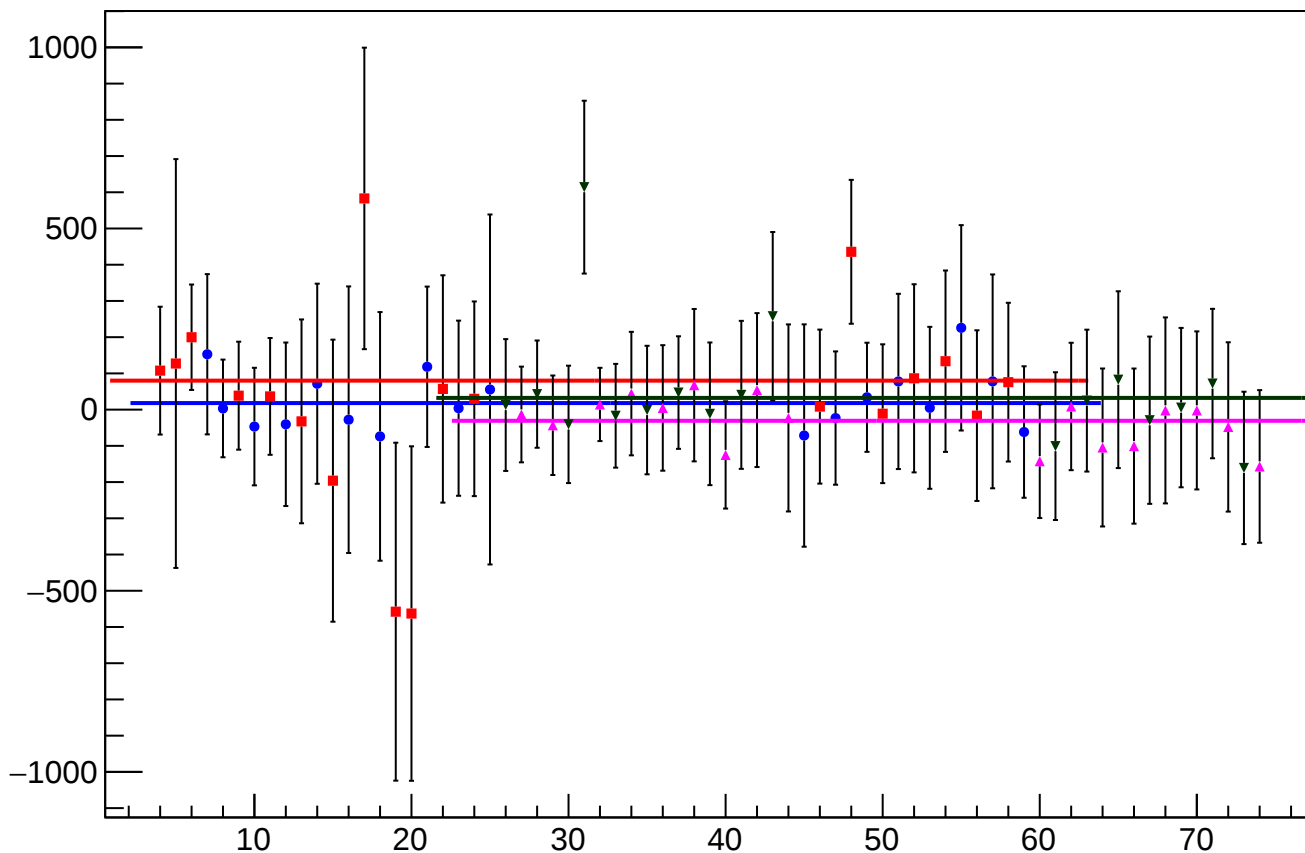
21.313+/-0.004 χ^2 /NDF: 5128632.7/34

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

21.177+/-0.004 χ^2 /NDF: 5797777.4/35

Left In: 20.648+/-0.005 χ^2 /NDF:206051.7/16

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: 32.372 $\pm$ 45.923 χ^2 /NDF:8.8/16

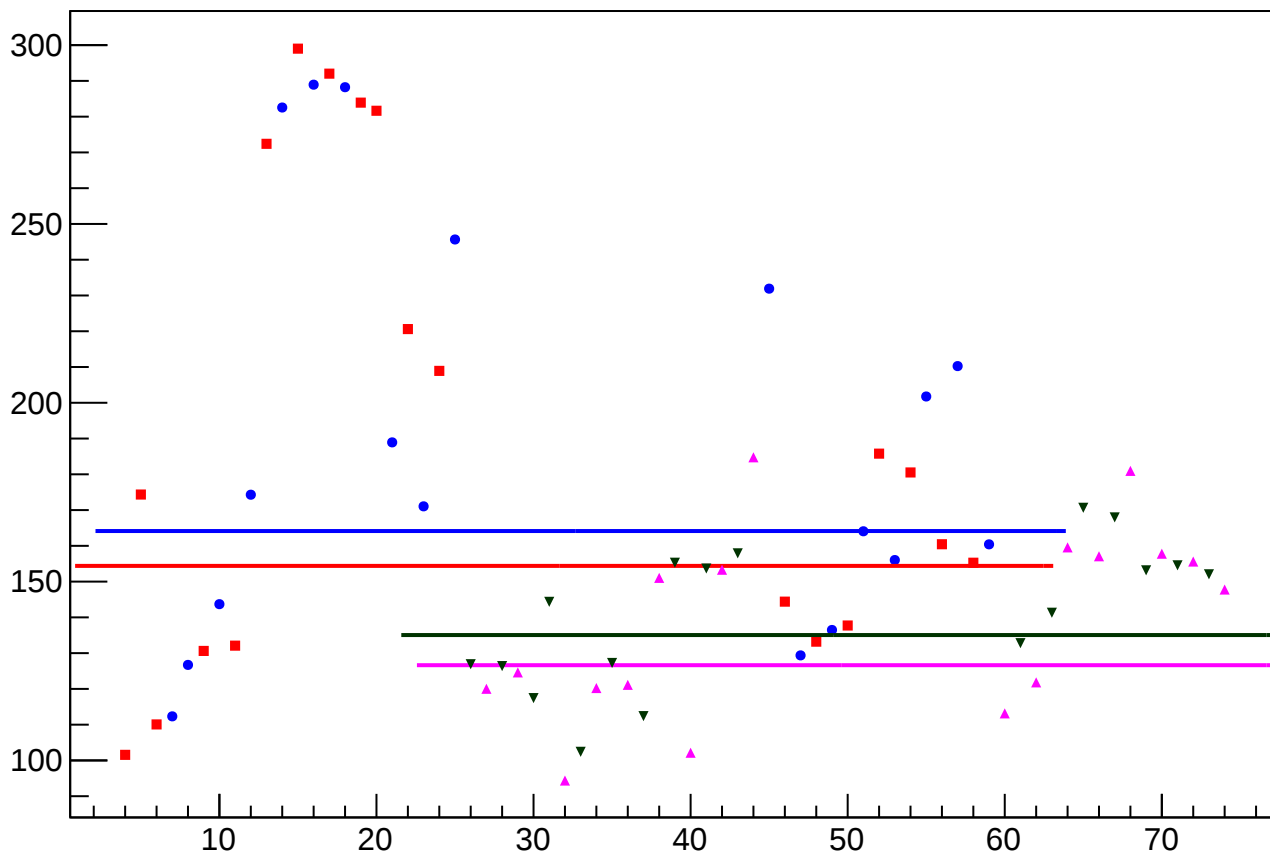
Right Out: 80.043 $\pm$ 52.081 χ^2 /NDF: 10.6/18

Left In: -30.814 $\pm$ 41.736 χ^2 /NDF:2.4/16

26.030 $\pm$ 34.226 χ^2 /NDF: 10.7/34

12.537 $\pm$ 32.569 χ^2 /NDF: 15.8/35

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: 135.058 $\pm$ 0.032 χ^2 /NDF: 374814.2/16

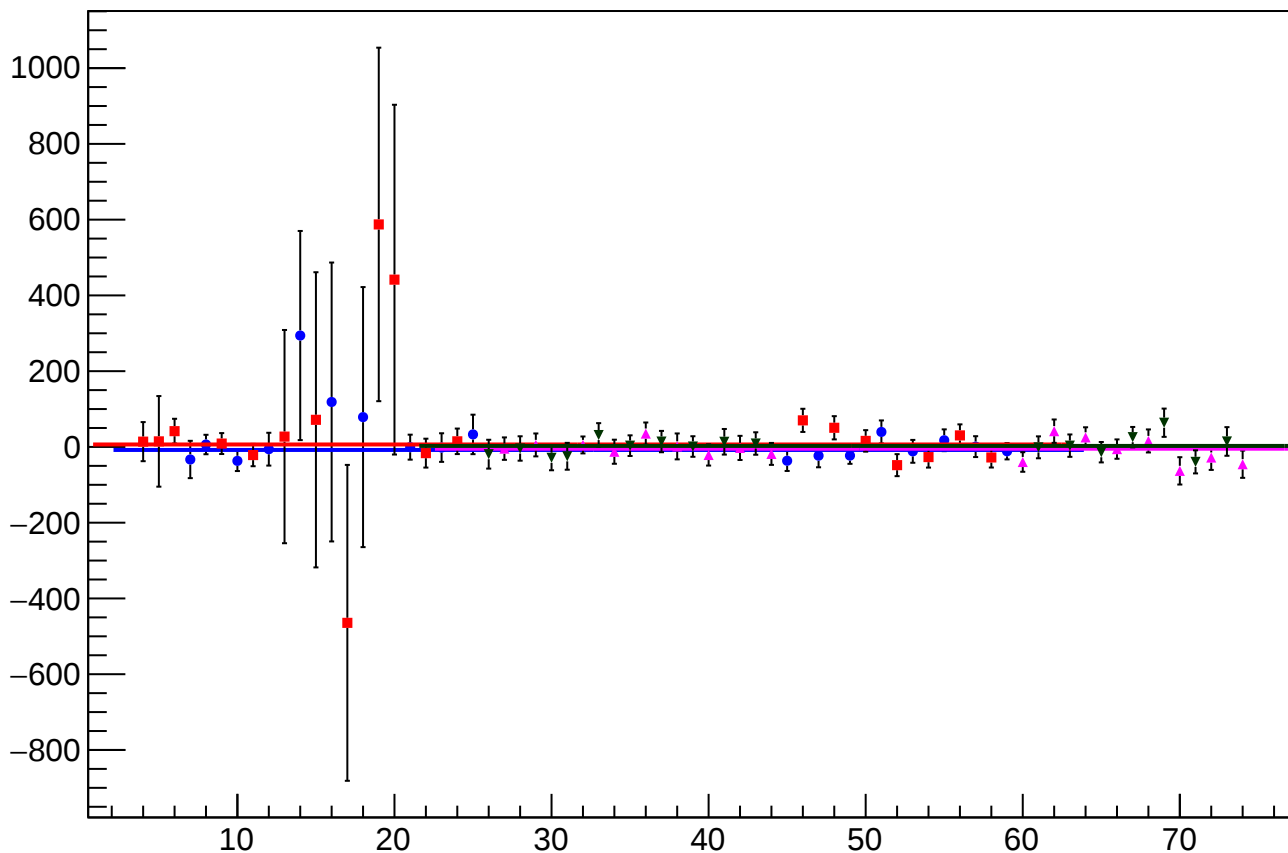
Right Out: 154.395 $\pm$ 0.037 χ^2 /NDF: 1875575.3/18

Left In: 126.628 $\pm$ 0.030 χ^2 /NDF: 711945.3/16

147.986 $\pm$ 0.024 χ^2 /NDF: 2297935.3/34

137.486 $\pm$ 0.023 χ^2 /NDF: 2933701.2/35

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: 2.635+/-7.463 χ^2/NDF : 8.9/16

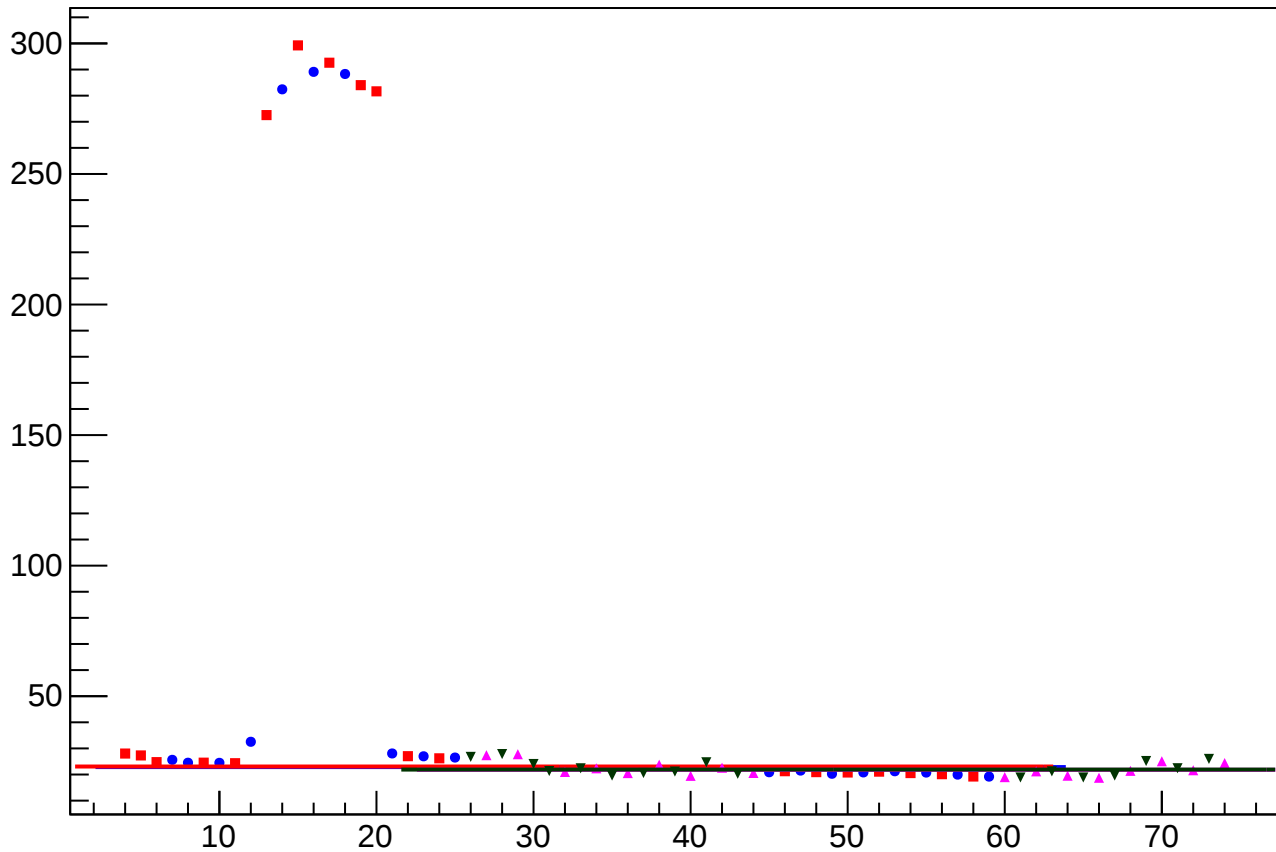
Right Out: 6.463+/-8.479 χ^2/NDF : 20.1/18

Left In: -4.712+/-7.116 χ^2/NDF : 13.1/16

-2.574+/-5.326 χ^2/NDF : 18.9/34

-0.093+/-5.451 χ^2/NDF : 34.2/35

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: 21.896+/-0.005 χ^2/NDF : 251525.8/16

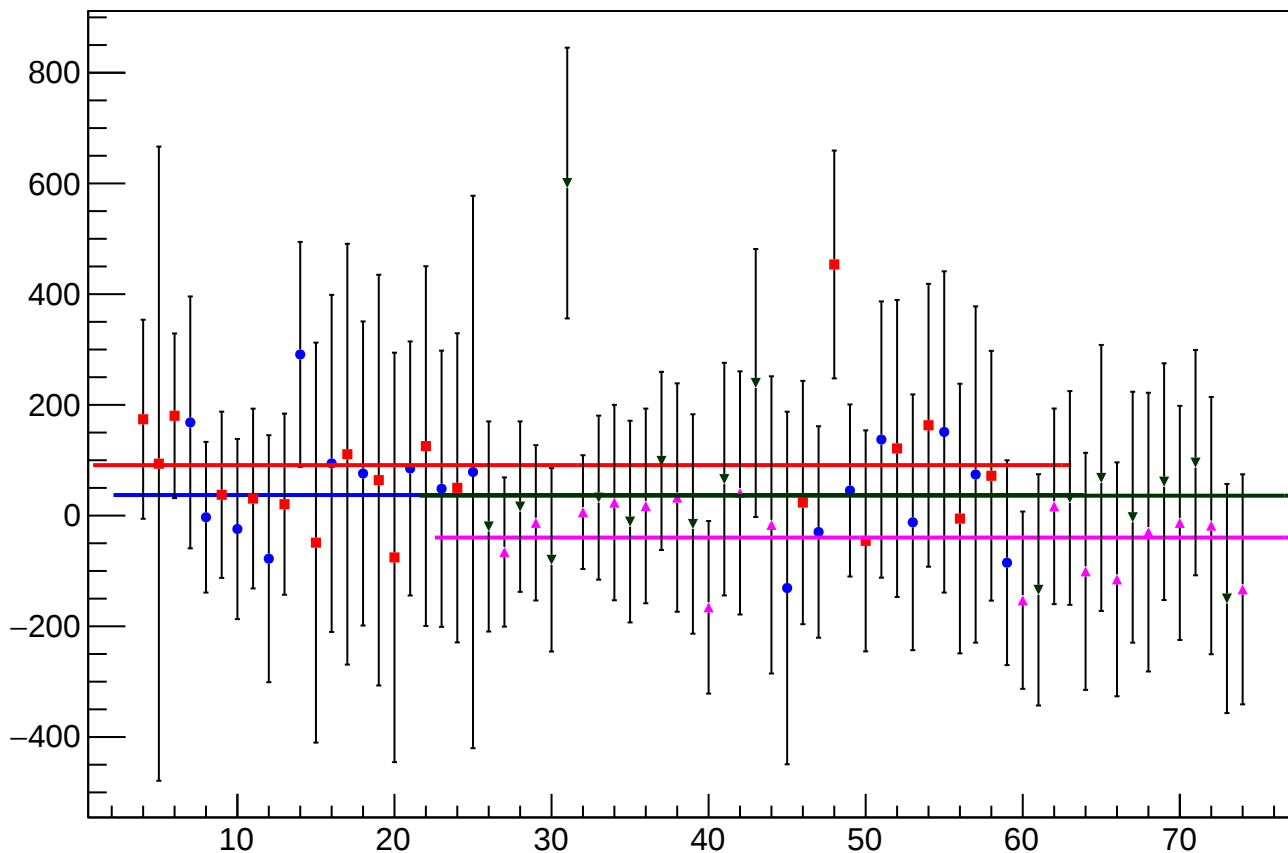
22.366+/-0.004 χ^2/NDF : 4631190.7/34

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

22.322+/-0.004 χ^2/NDF : 5158779.6/35

Left In: 21.797+/-0.005 χ^2/NDF : 275654.6/16

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: 35.947+/-46.701 χ^2/NDF : 8.6/16

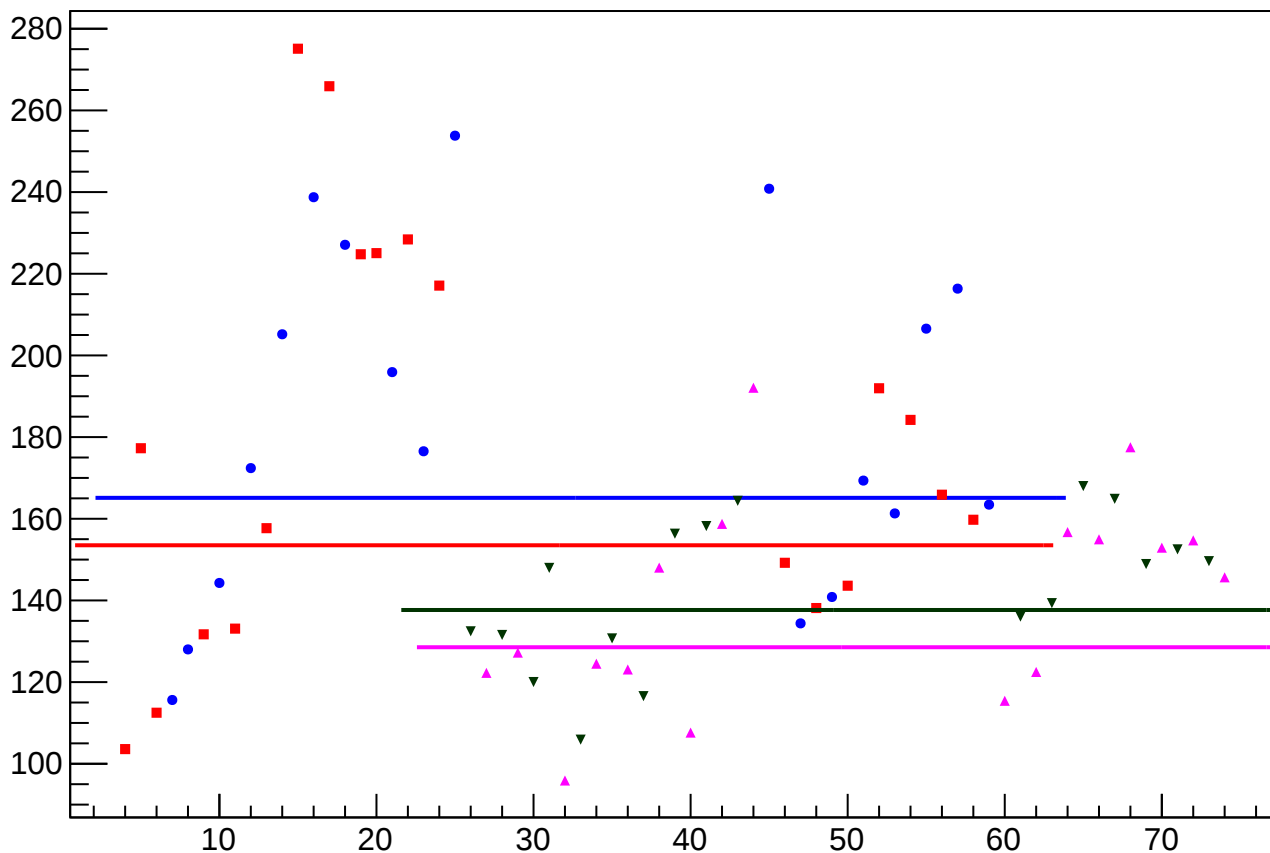
Right Out: 91.157+/-50.934 χ^2/NDF : 5.3/18

Left In: -39.665+/-42.281 χ^2/NDF : 2.5/16

36.497+/-34.454 χ^2/NDF : 12.3/34

13.707+/-32.533 χ^2/NDF : 11.7/35

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: 137.661+/-0.033 χ^2/NDF : 305295.1/16

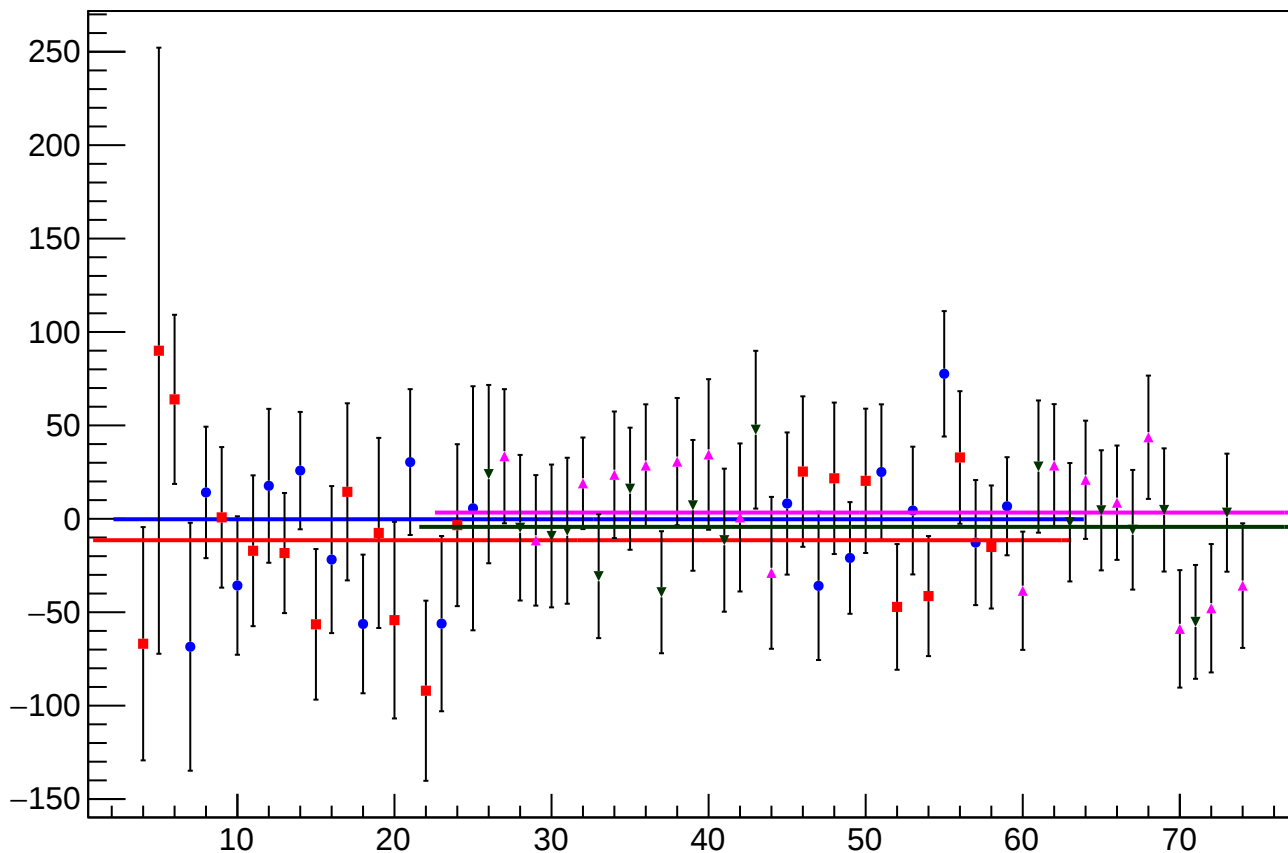
150.177+/-0.024 χ^2/NDF : 1611164.7/34

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

138.726+/-0.023 χ^2/NDF : 2159150.8/35

Left In: 128.538+/-0.030 χ^2/NDF : 635957.0/16

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: -4.317 ± 8.446 χ^2/NDF : 8.0/16

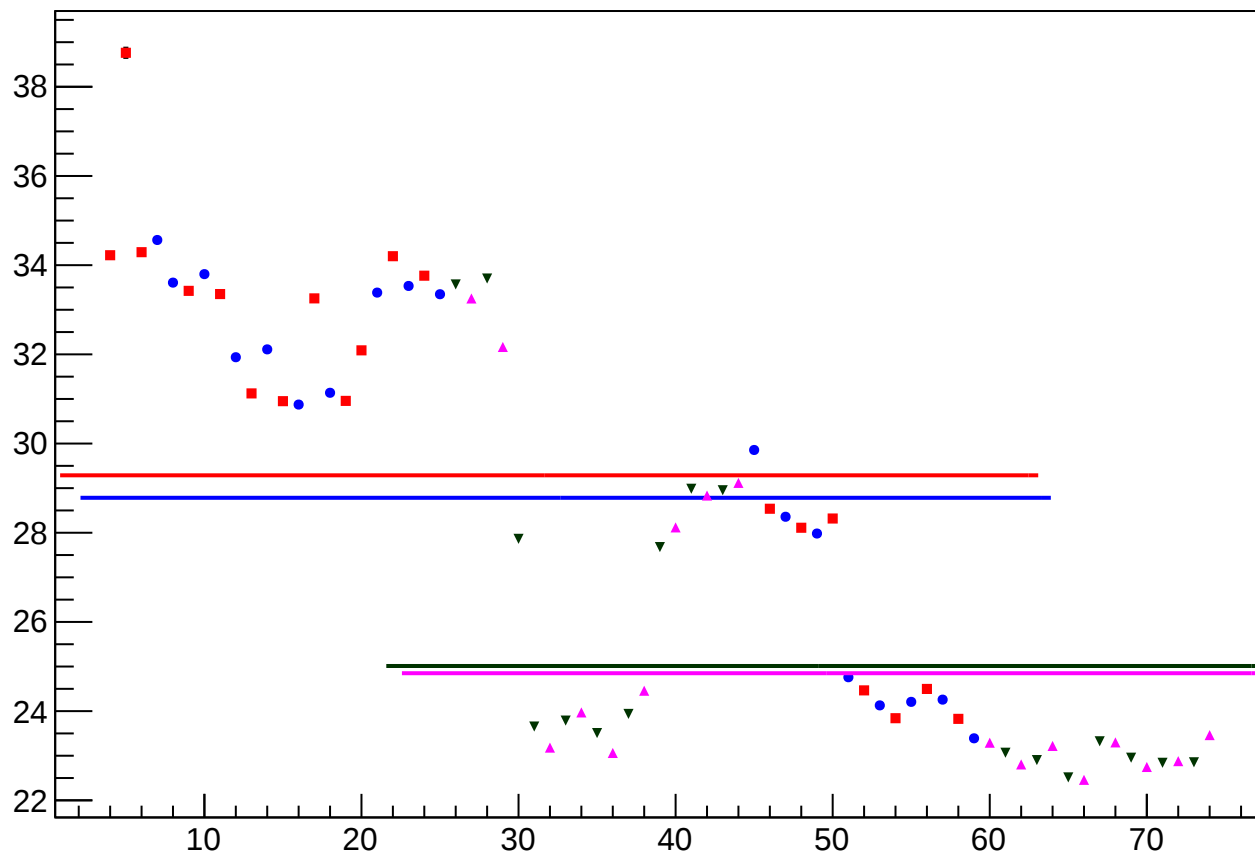
Right Out: -11.462 ± 9.405 χ^2/NDF : 14.9/18

Left In: 3.347 ± 8.045 χ^2/NDF : 15.8/16

-2.325 ± 6.042 χ^2/NDF : 23.2/34

-2.910 ± 6.114 χ^2/NDF : 32.1/35

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: 25.012 $\pm$ 0.006 χ^2 /NDF: 296819.4/16

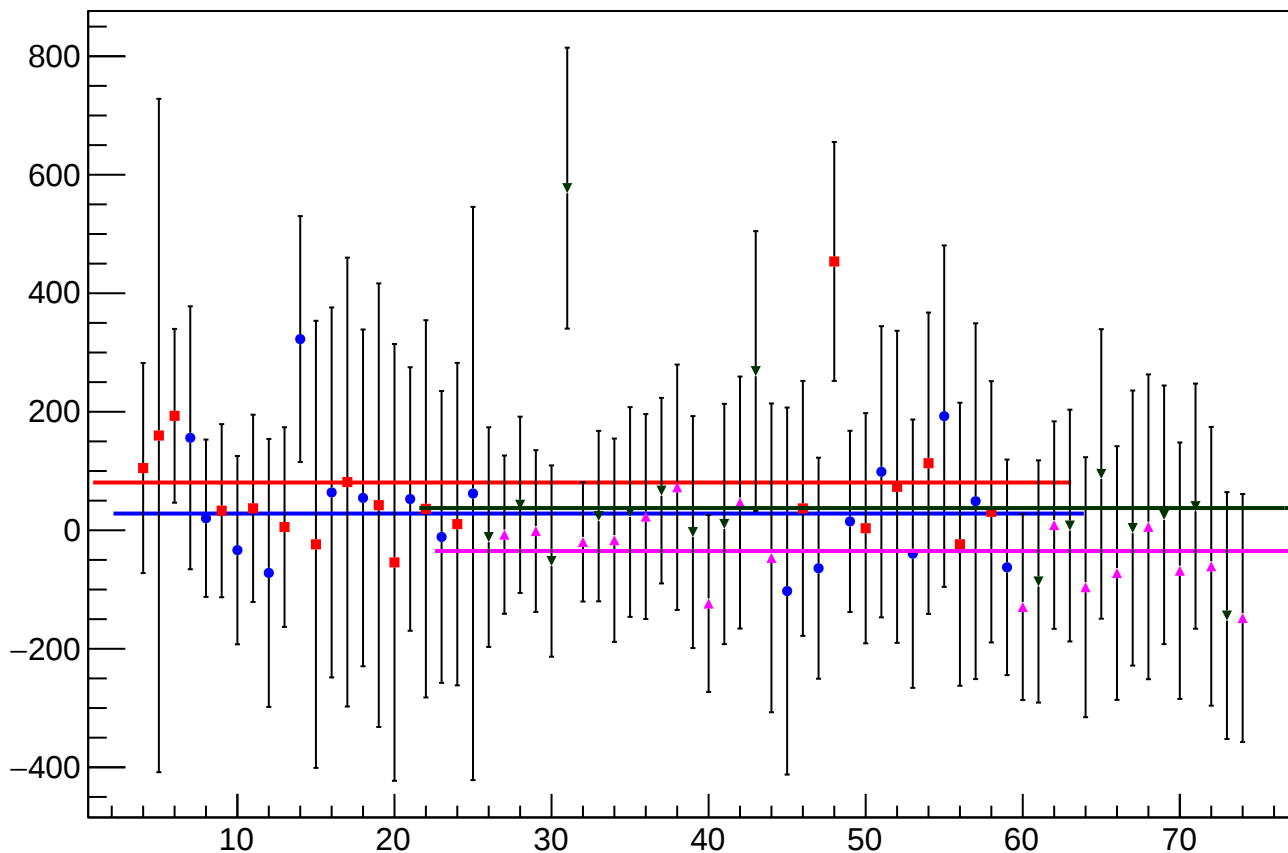
Right Out: 29.288 $\pm$ 0.007 χ^2 /NDF: 355757.4/18

Left In: 24.850 $\pm$ 0.006 χ^2 /NDF: 323042.0/16

26.854 $\pm$ 0.004 χ^2 /NDF: 910061.8/34

26.725 $\pm$ 0.004 χ^2 /NDF: 935904.2/35

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: 37.515+/-45.996 χ^2/NDF : 7.9/16

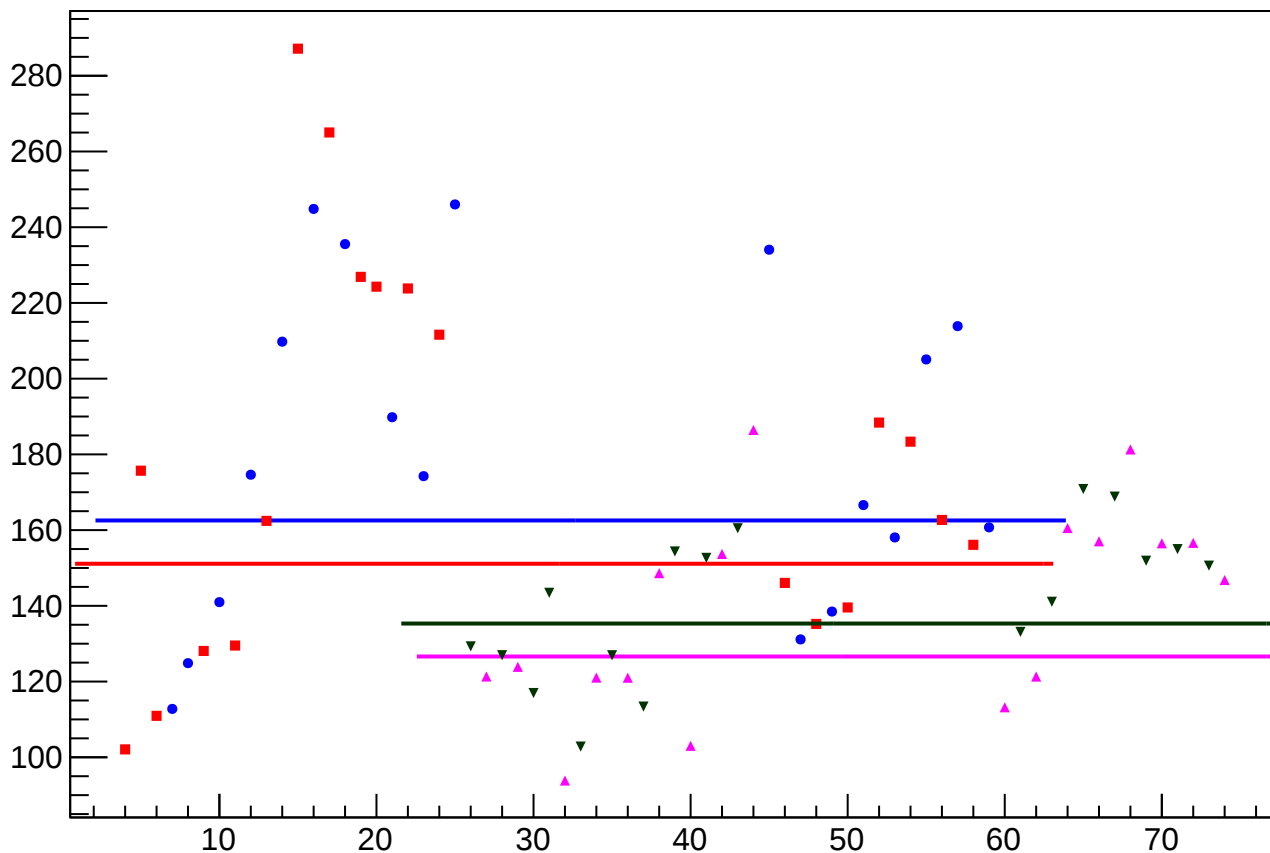
Right Out: 80.614+/-50.242 χ^2/NDF : 5.2/18

Left In: -35.031+/-41.734 χ^2/NDF : 1.9/16

33.290+/-33.960 χ^2/NDF : 11.8/34

12.184+/-32.103 χ^2/NDF : 10.2/35

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: 135.323 $\pm$ 0.033 χ^2 /NDF:365038.7/16

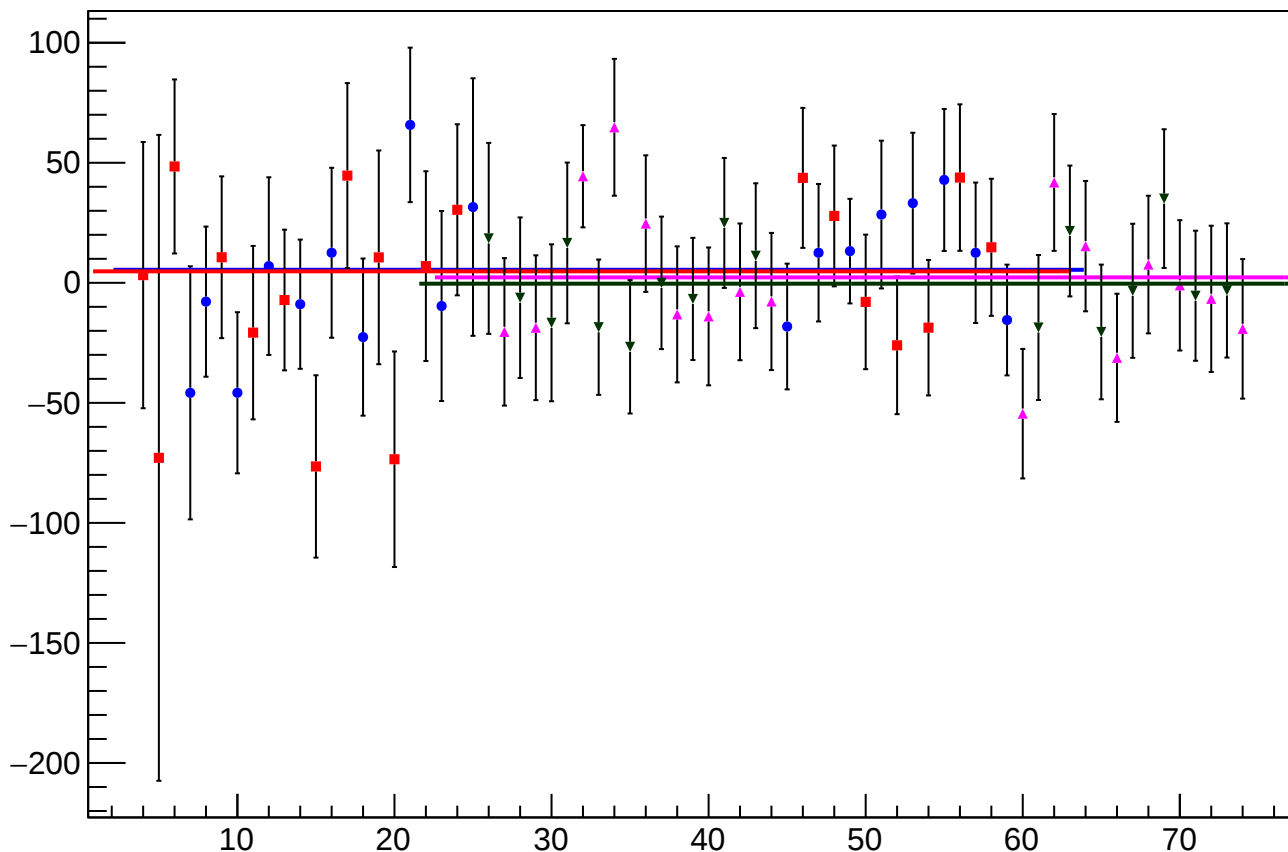
Right Out: 151.117 $\pm$ 0.036 χ^2 /NDF: 1306443.7/18

Left In: 126.620 $\pm$ 0.030 χ^2 /NDF:715196.0/16

147.707 $\pm$ 0.024 χ^2 /NDF: 1773080.1/34

136.621 $\pm$ 0.023 χ^2 /NDF: 2303000.3/35

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: -0.365 ± 7.059 $\chi^2/\text{NDF}: 6.2/16$

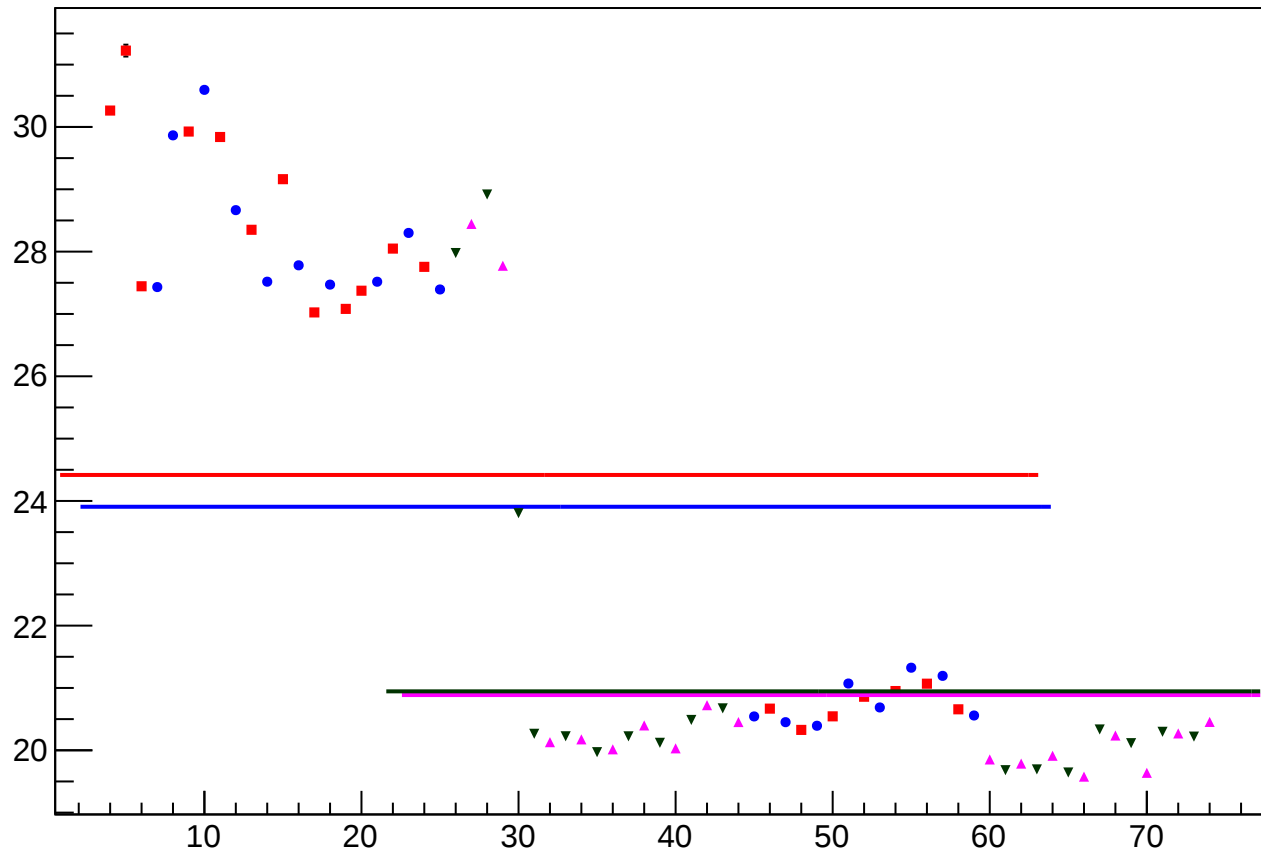
Right Out: 4.784 ± 7.872 $\chi^2/\text{NDF}: 17.9/18$

Left In: 2.268 ± 6.749 $\chi^2/\text{NDF}: 20.0/16$

2.472 ± 5.042 $\chi^2/\text{NDF}: 19.9/34$

3.334 ± 5.124 $\chi^2/\text{NDF}: 38.0/35$

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: 20.945 $\pm$ 0.005 χ^2 /NDF: 217442.1/16

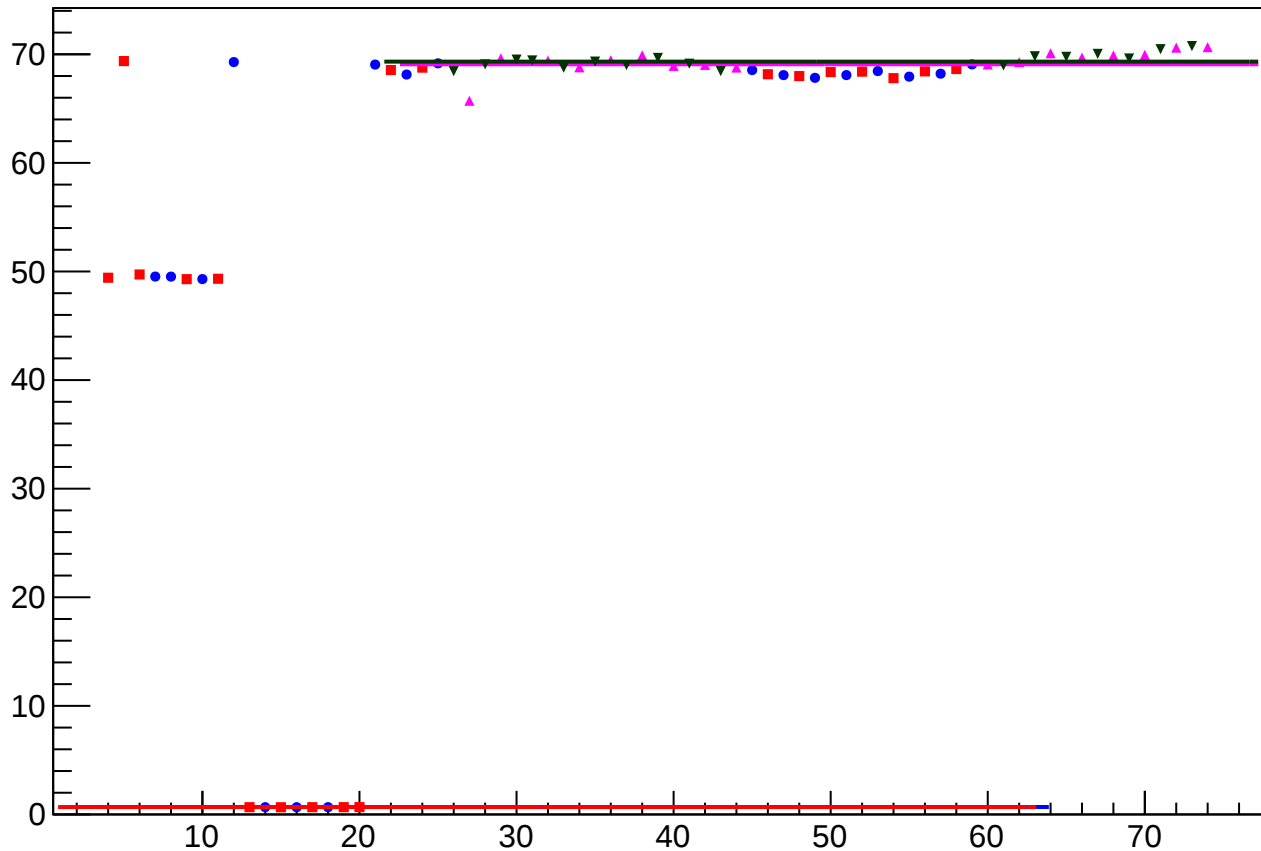
Right Out: 24.417 $\pm$ 0.006 χ^2 /NDF: 496476.9/18

Left In: 20.886 $\pm$ 0.005 χ^2 /NDF: 253731.9/16

22.396 $\pm$ 0.004 χ^2 /NDF: 955761.4/34

22.382 $\pm$ 0.004 χ^2 /NDF: 982132.1/35

yield_bcm_an_ds_mean vs slug



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

Left Out: 69.324+/-0.000 χ^2/NDF : 75284291.2/16

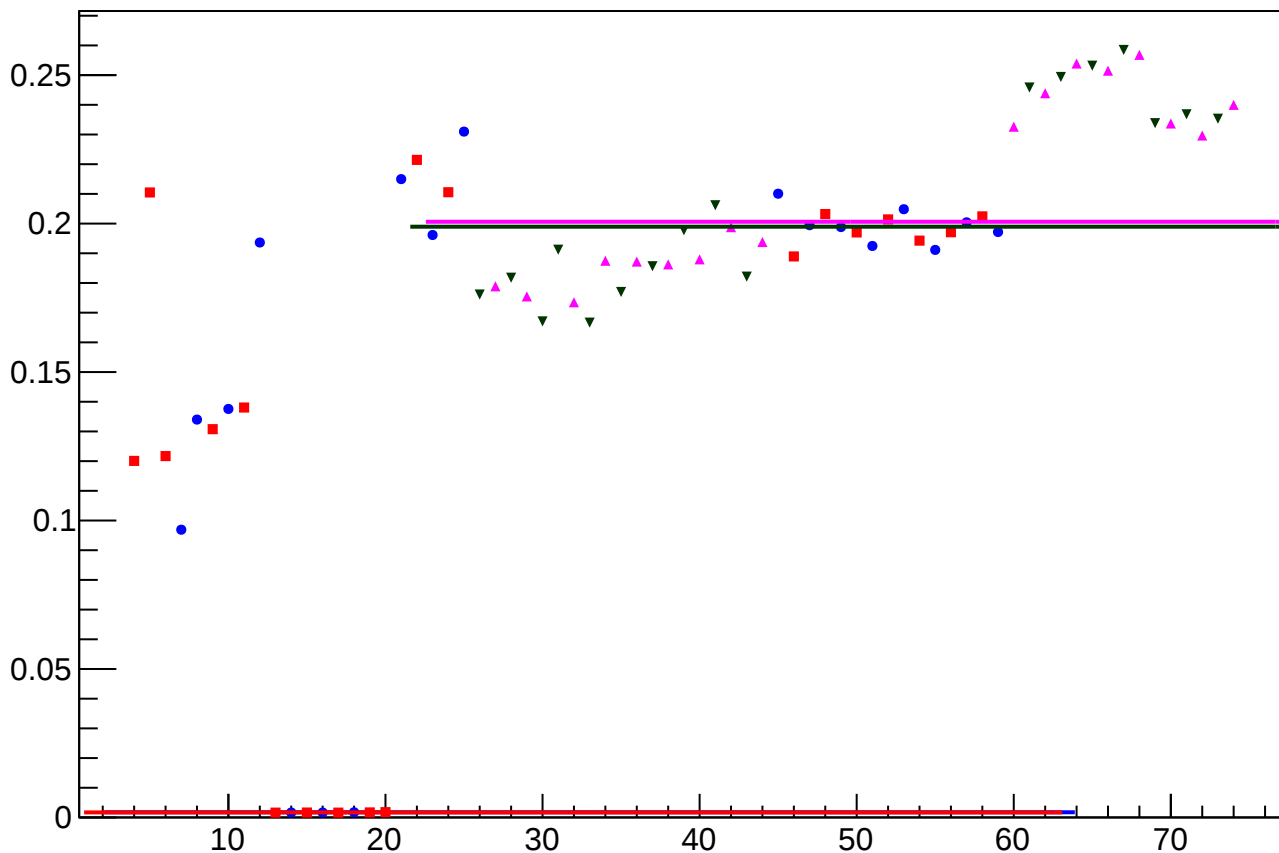
0.706+/-0.000 χ^2/NDF : 2047057290335.4/34

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

0.699+/-0.000 χ^2/NDF : 1923934294554.8/35

Left In: 69.083+/-0.000 χ^2/NDF : 378413112.2/16

yield_bcm_an_ds_rms vs slug



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

Left Out: 0.199+/-0.000 χ^2/NDF : 380577.6/16

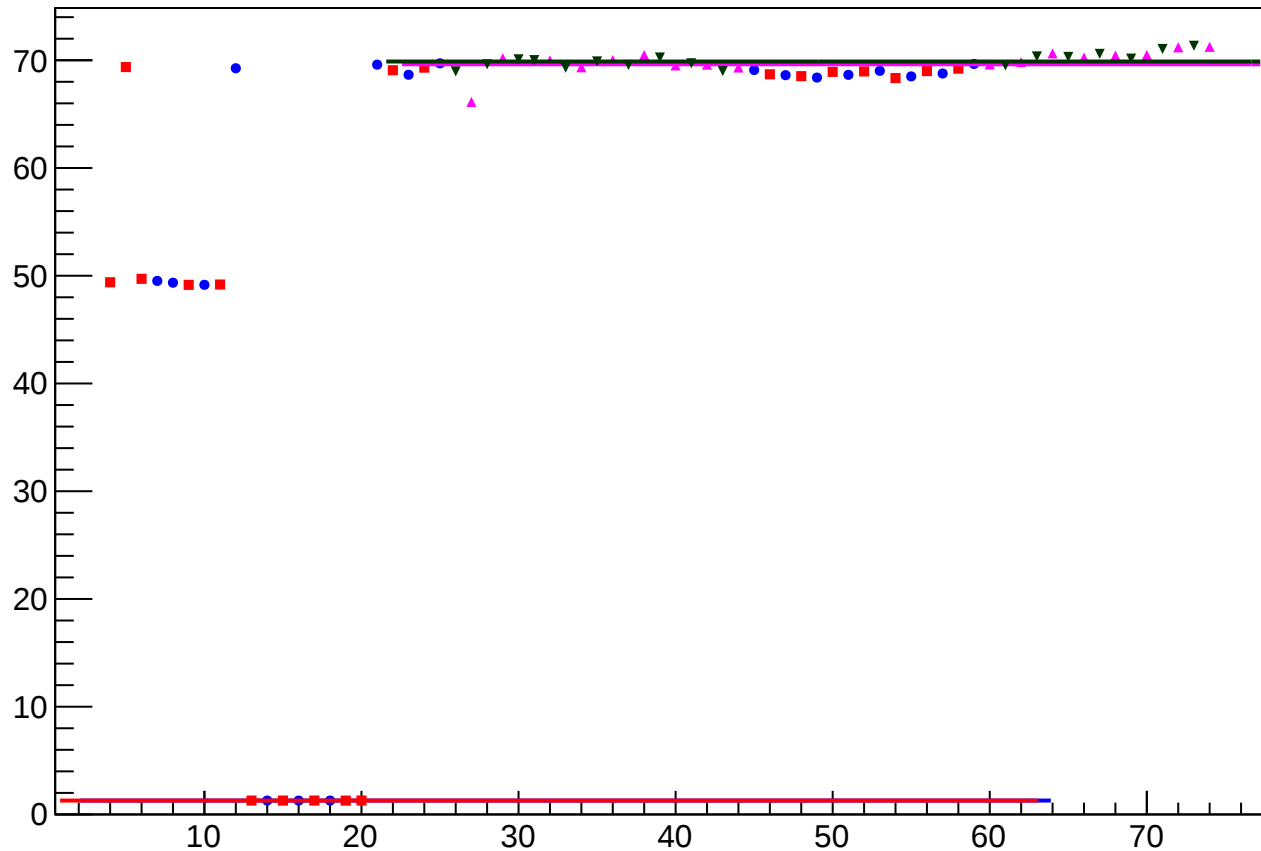
0.002+/-0.000 χ^2/NDF : 33953535.3/34

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

0.002+/-0.000 χ^2/NDF : 32110604.6/35

Left In: 0.201+/-0.000 χ^2/NDF : 370500.3/16

yield_bcm_an_ds3_mean vs slug



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

Left Out: 69.883+/-0.000 χ^2/NDF : 74431303.0/16

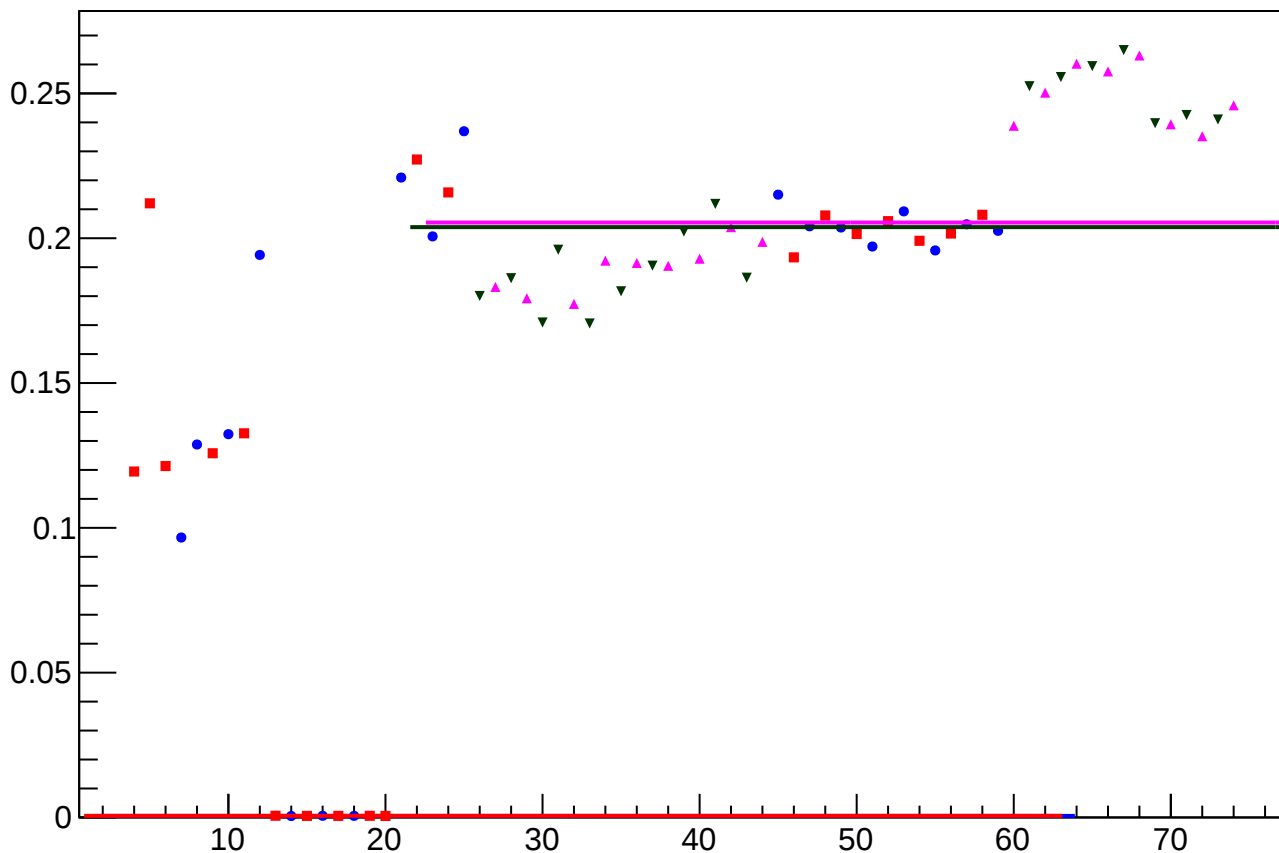
Right Out: 1.290+/-0.000 χ^2/NDF : 826763948171.6/18

Left In: 69.629+/-0.000 χ^2/NDF : 386885829.8/16

1.293+/-0.000 χ^2/NDF : 1971089804559.8/34

1.292+/-0.000 χ^2/NDF : 1853157884529.0/35

yield_bcm_an_ds3_rms vs slug



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

Left Out: 0.204 $\pm$ 0.000 χ^2 /NDF:382929.6/16

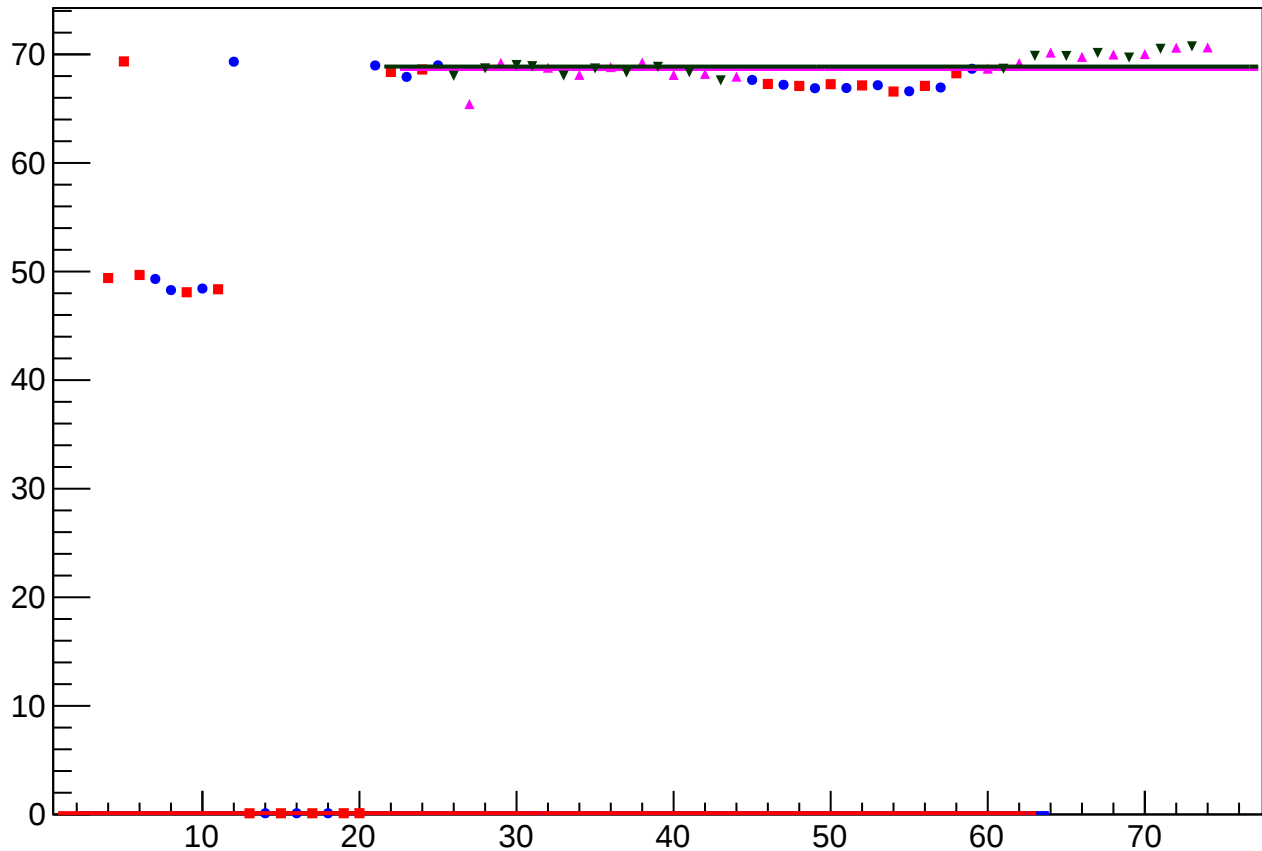
0.001 $\pm$ 0.000 χ^2 /NDF: 34408628.8/34

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

0.001 $\pm$ 0.000 χ^2 /NDF: 32509480.8/35

Left In: 0.205 $\pm$ 0.000 χ^2 /NDF:374692.9/16

yield_bcm_an_us_mean vs slug



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

Left Out: 68.878+/-0.000 χ^2/NDF :148402747.6/16

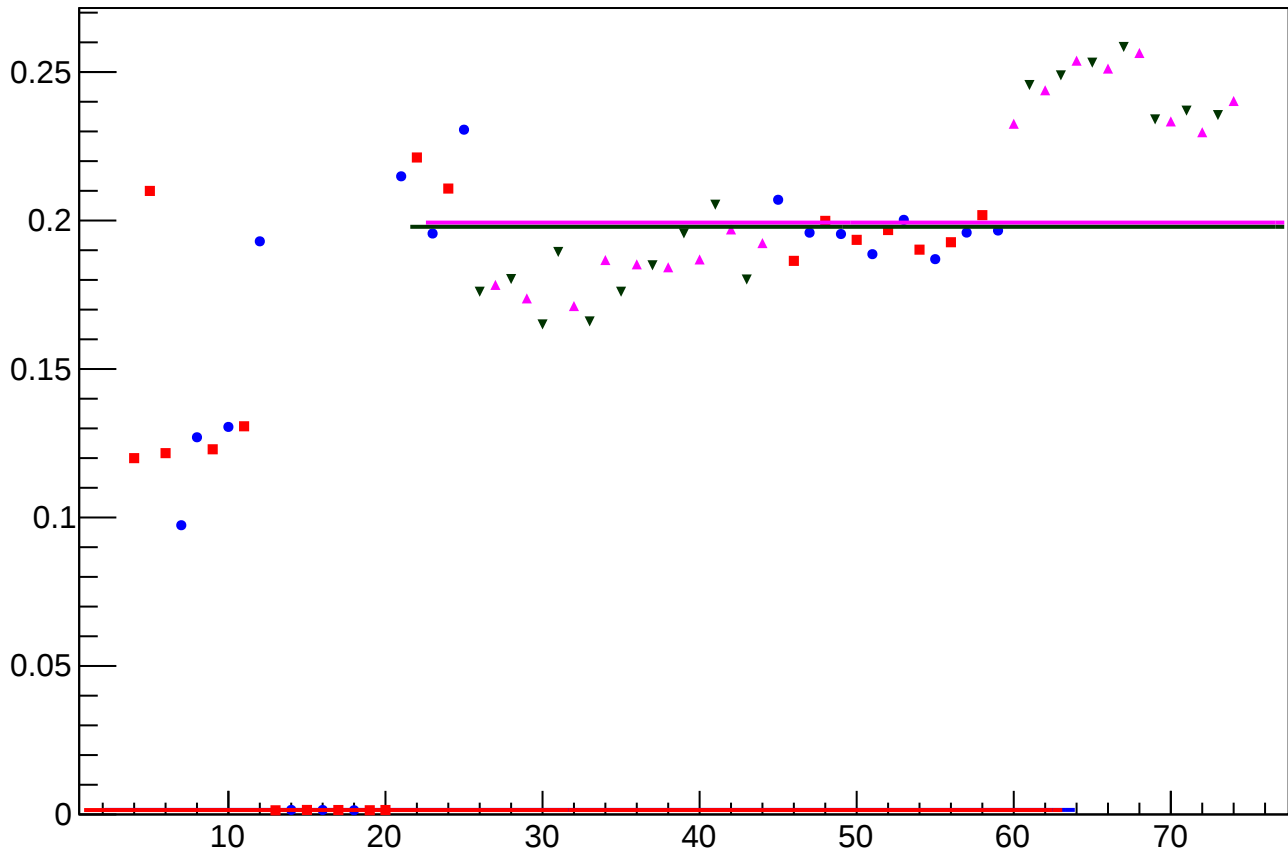
0.140+/-0.000 χ^2/NDF : 2092761147055.1/34

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

0.134+/-0.000 χ^2/NDF : 1971674555803.2/35

Left In: 68.653+/-0.000 χ^2/NDF :429366646.9/16

yield_bcm_an_us_rms vs slug



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

Left Out: 0.198 $\pm$ 0.000 χ^2 /NDF:394856.5/16

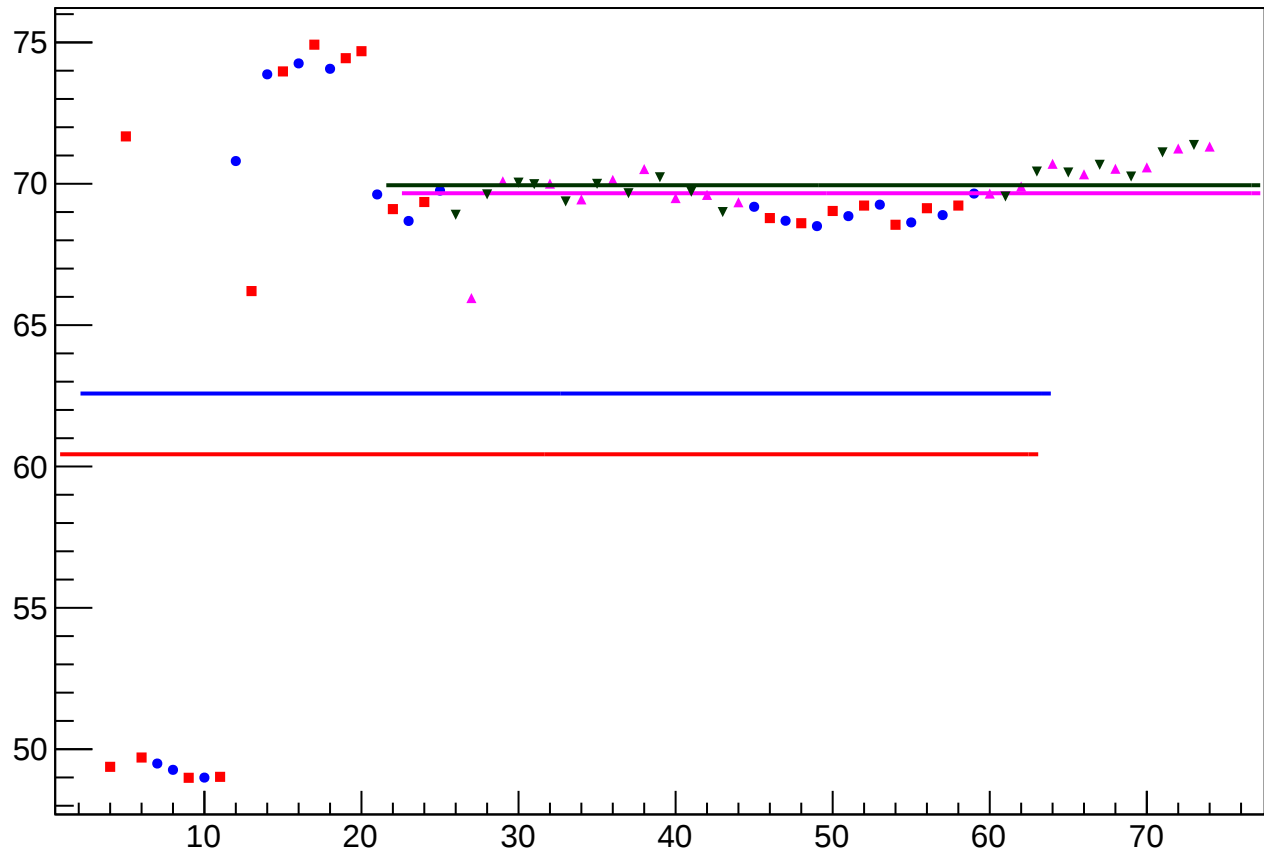
0.002 $\pm$ 0.000 χ^2 /NDF: 33996561.5/34

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

0.002 $\pm$ 0.000 χ^2 /NDF: 32170633.5/35

Left In: 0.199 $\pm$ 0.000 χ^2 /NDF:389907.7/16

yield_bcm_dg_us_mean vs slug



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

Left Out: 69.948 $\pm$ 0.000 χ^2/NDF : 77671780.0/16

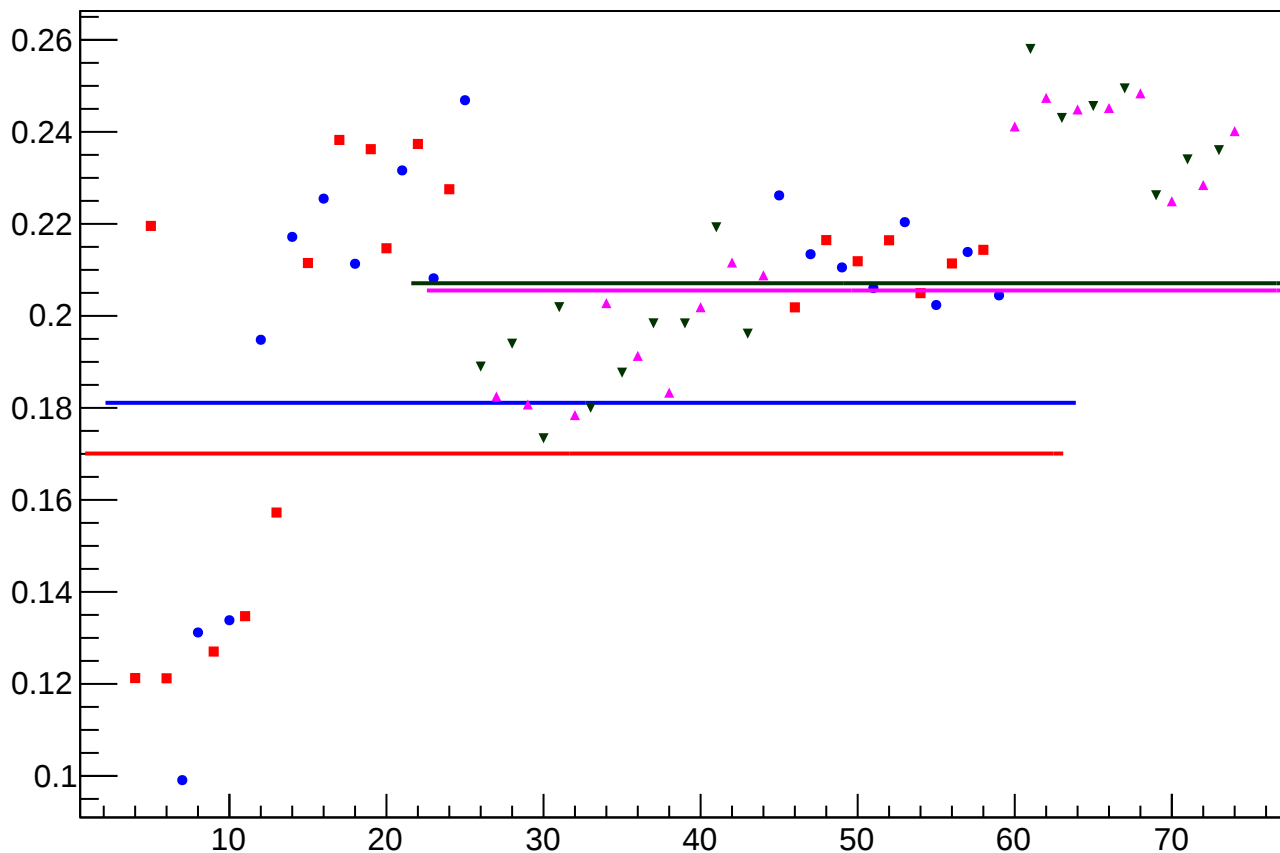
65.444 $\pm$ 0.000 χ^2/NDF : 40380748500.3/34

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

64.293 $\pm$ 0.000 χ^2/NDF : 44330574271.3/35

Left In: 69.665 $\pm$ 0.000 χ^2/NDF : 431600222.4/16

yield_bcm_dg_us_rms vs slug



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

Left Out: 0.207+/-0.000 χ^2/NDF : 244179.7/16

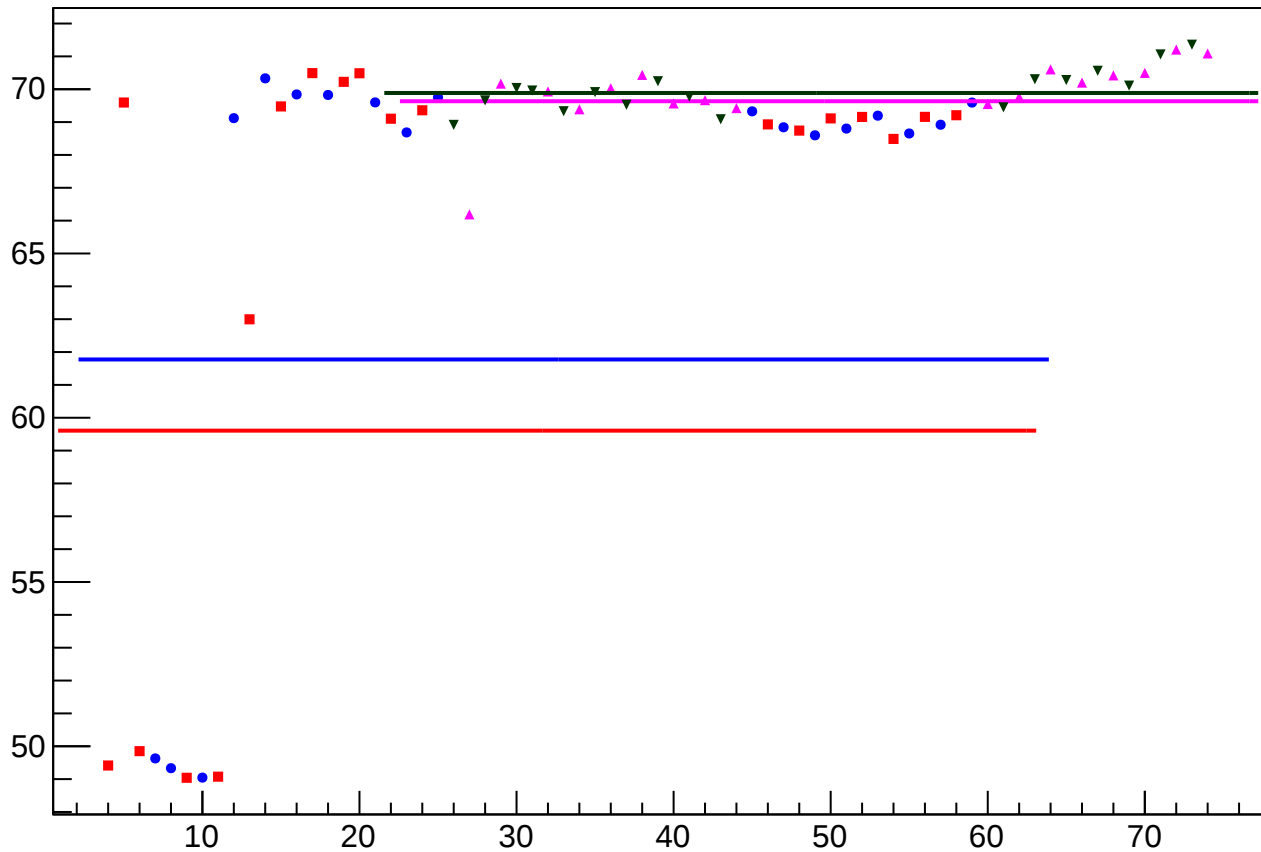
Right Out: 0.170+/-0.000 χ^2/NDF : 1183604.4/18

Left In: 0.206+/-0.000 χ^2/NDF : 290051.0/16

0.191+/-0.000 χ^2/NDF : 1625176.8/34

0.185+/-0.000 χ^2/NDF : 1795536.2/35

yield_bcm_dg_ds_mean vs slug



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

Left Out: 69.886+/-0.000 χ^2/NDF : 71692794.0/16

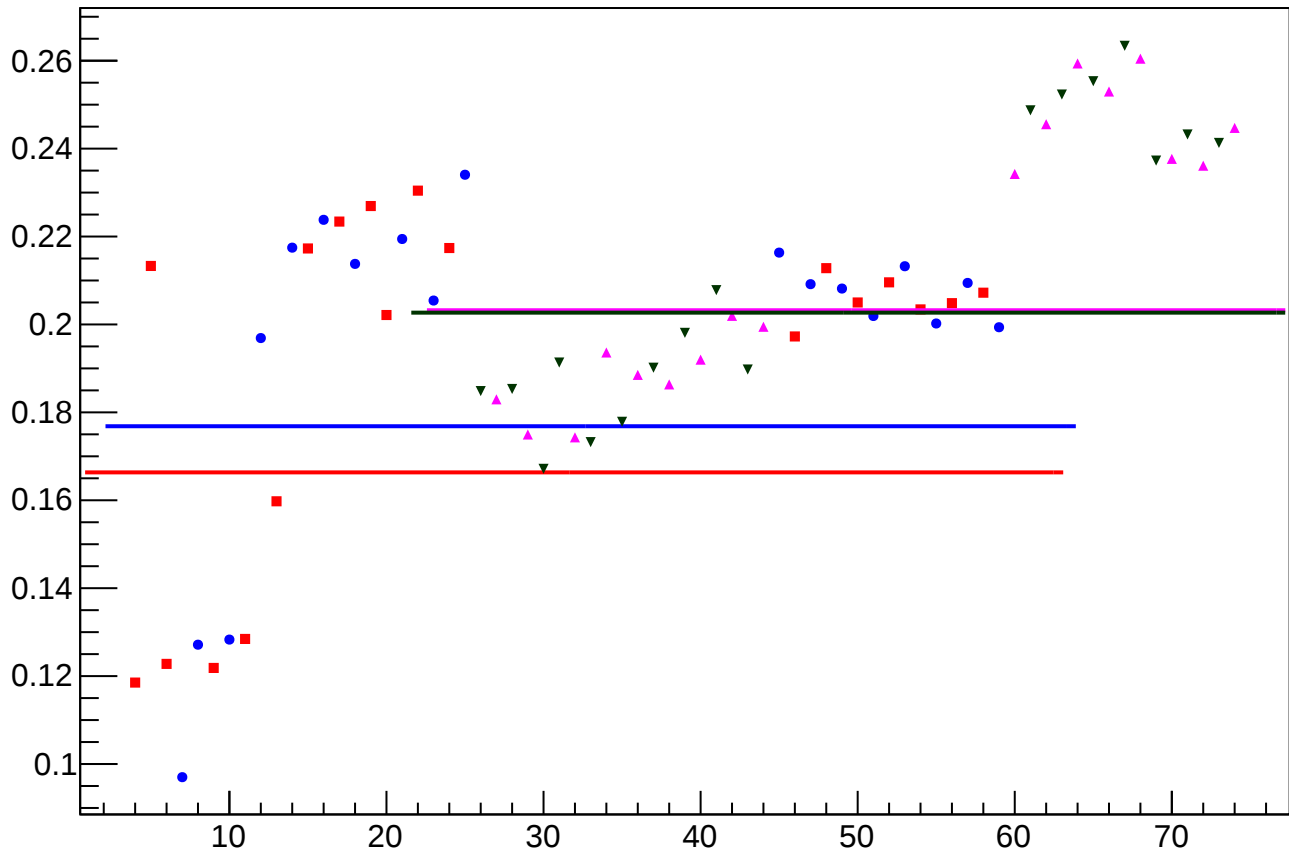
64.908+/-0.000 χ^2/NDF : 39393653695.4/34

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

63.736+/-0.000 χ^2/NDF : 43183549052.8/35

Left In: 69.635+/-0.000 χ^2/NDF : 369837941.4/16

yield_bcm_dg_ds_rms vs slug



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

Left Out: 0.203 ± 0.000 χ^2/NDF : 370994.7/16

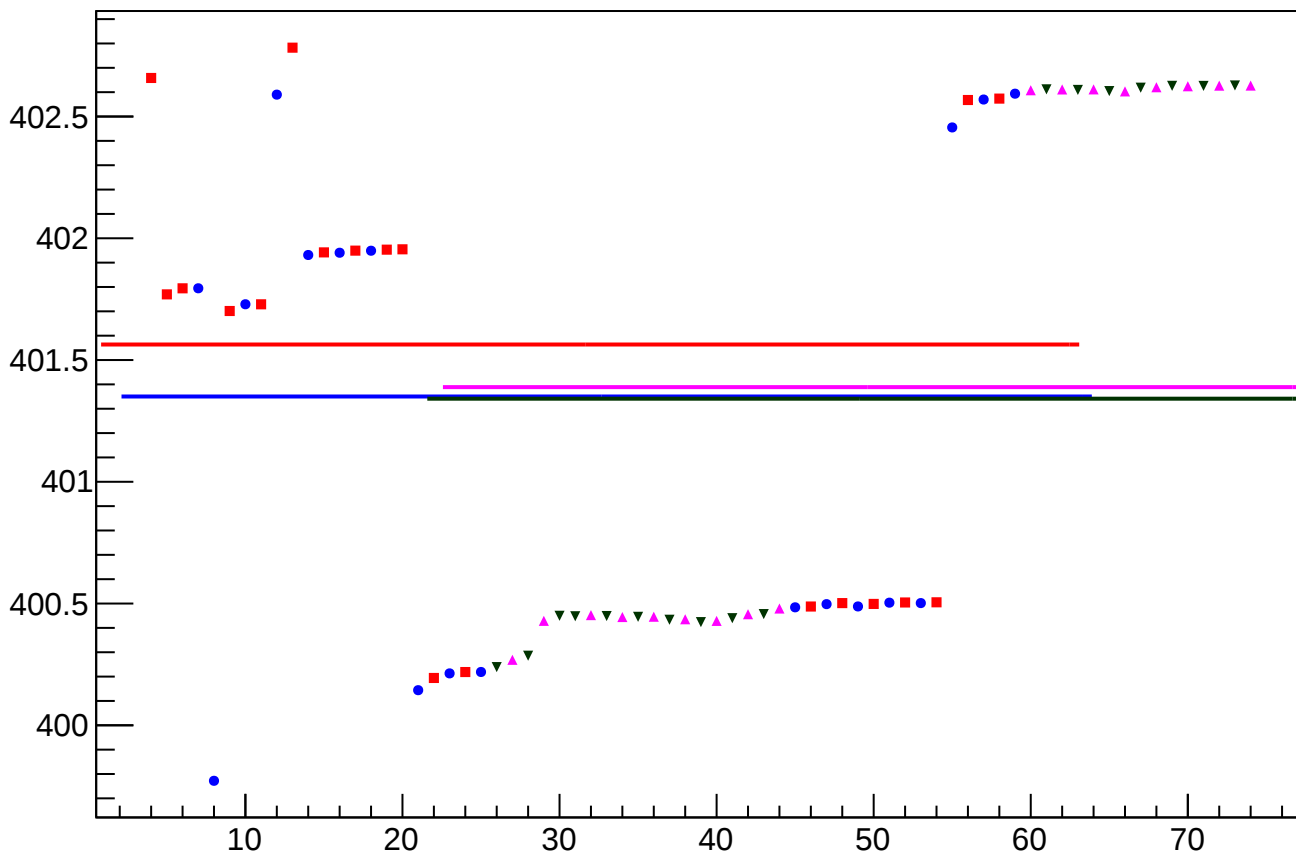
Right Out: 0.166 ± 0.000 χ^2/NDF : 1156468.8/18

Left In: 0.203 ± 0.000 χ^2/NDF : 382846.1/16

0.187 ± 0.000 χ^2/NDF : 1817197.7/34

0.182 ± 0.000 χ^2/NDF : 1898362.8/35

yield_cav4bQ_mean vs slug



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

Left Out: 401.341+/-0.000 χ^2/NDF : 241058105037.9/16

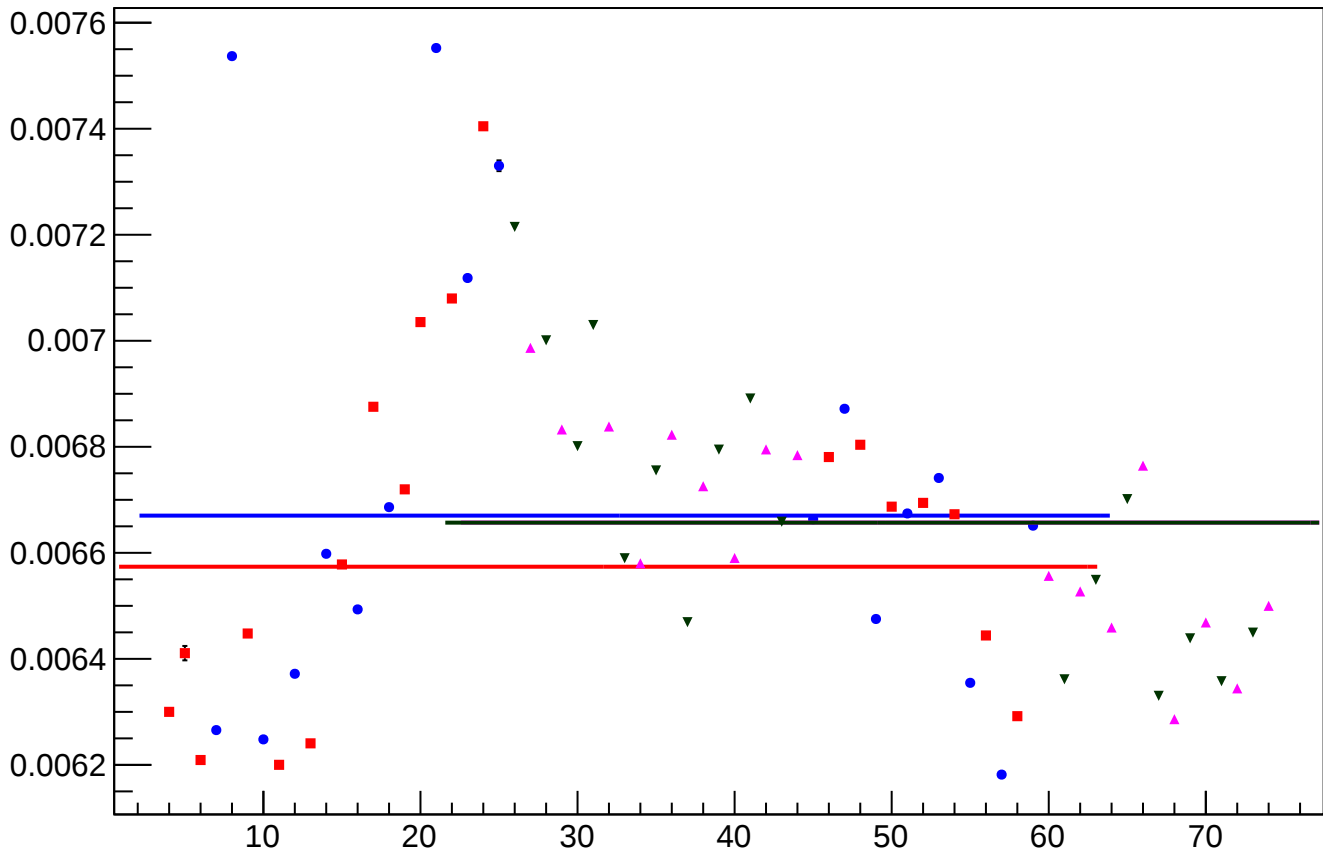
Right Out: 401.564+/-0.000 χ^2/NDF : 183973928948.5/18

Left In: 401.389+/-0.000 χ^2/NDF : 260667521320.9/16

401.346+/-0.000 χ^2/NDF : 476160771540.0/34

401.479+/-0.000 χ^2/NDF : 448081160717.6/35

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 :24796.7/16

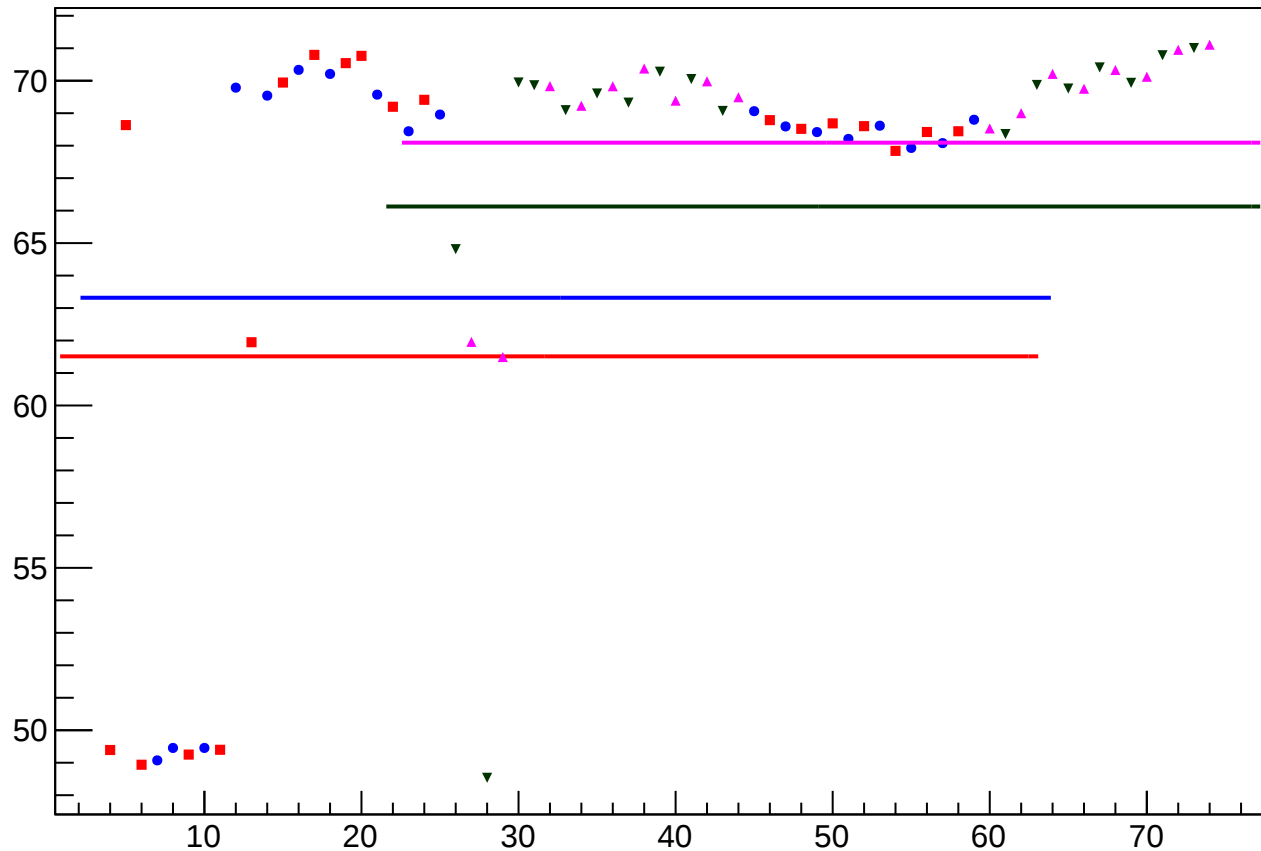
0.007+/-0.000 χ^2/NDF : 101518.2/34

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

0.007+/-0.000 χ^2/NDF : 66168.0/35

Left In: 0.007+/-0.000 χ^2/NDF :16928.8/16

yield_cav4cQ_mean vs slug



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

Left Out: 66.127+/-0.000 χ^2/NDF : 9812948431.7/16

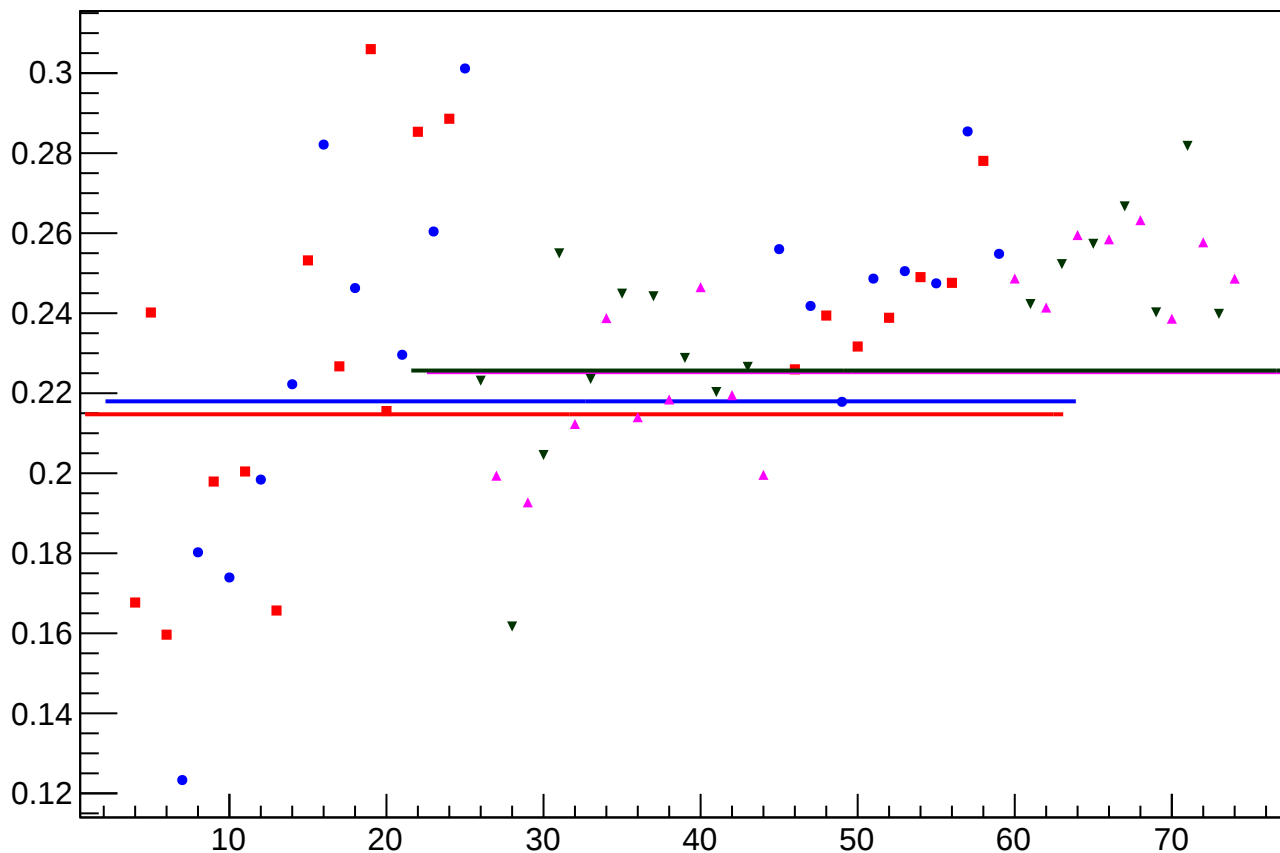
64.530+/-0.000 χ^2/NDF : 27580618465.7/34

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

64.720+/-0.000 χ^2/NDF : 21319510937.2/35

Left In: 68.093+/-0.000 χ^2/NDF : 2038203088.4/16

yield_cav4cQ_rms vs slug



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

Left Out: 0.226 $\pm$ 0.000 χ^2 /NDF: 348133.1/16

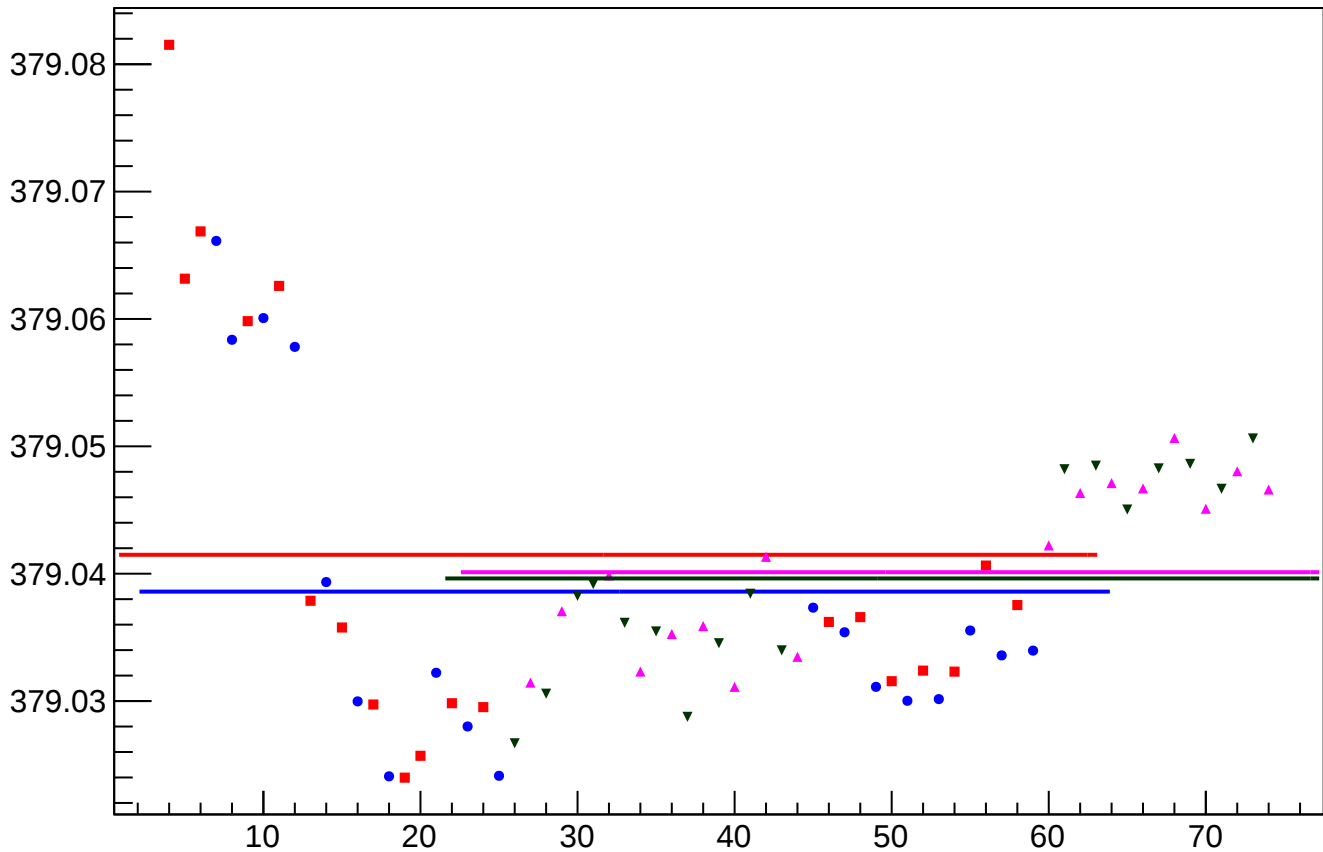
Right Out: 0.215 $\pm$ 0.000 χ^2 /NDF: 631176.3/18

Left In: 0.225 $\pm$ 0.000 χ^2 /NDF: 198173.3/16

0.221 $\pm$ 0.000 χ^2 /NDF: 1093574.4/34

0.220 $\pm$ 0.000 χ^2 /NDF: 849450.8/35

yield_cav4dQ_mean vs slug



Right In: 379.039+/-0.000 χ^2/NDF : 33775812.8/17

Left Out: 379.040+/-0.000 χ^2/NDF :10923152.6/16

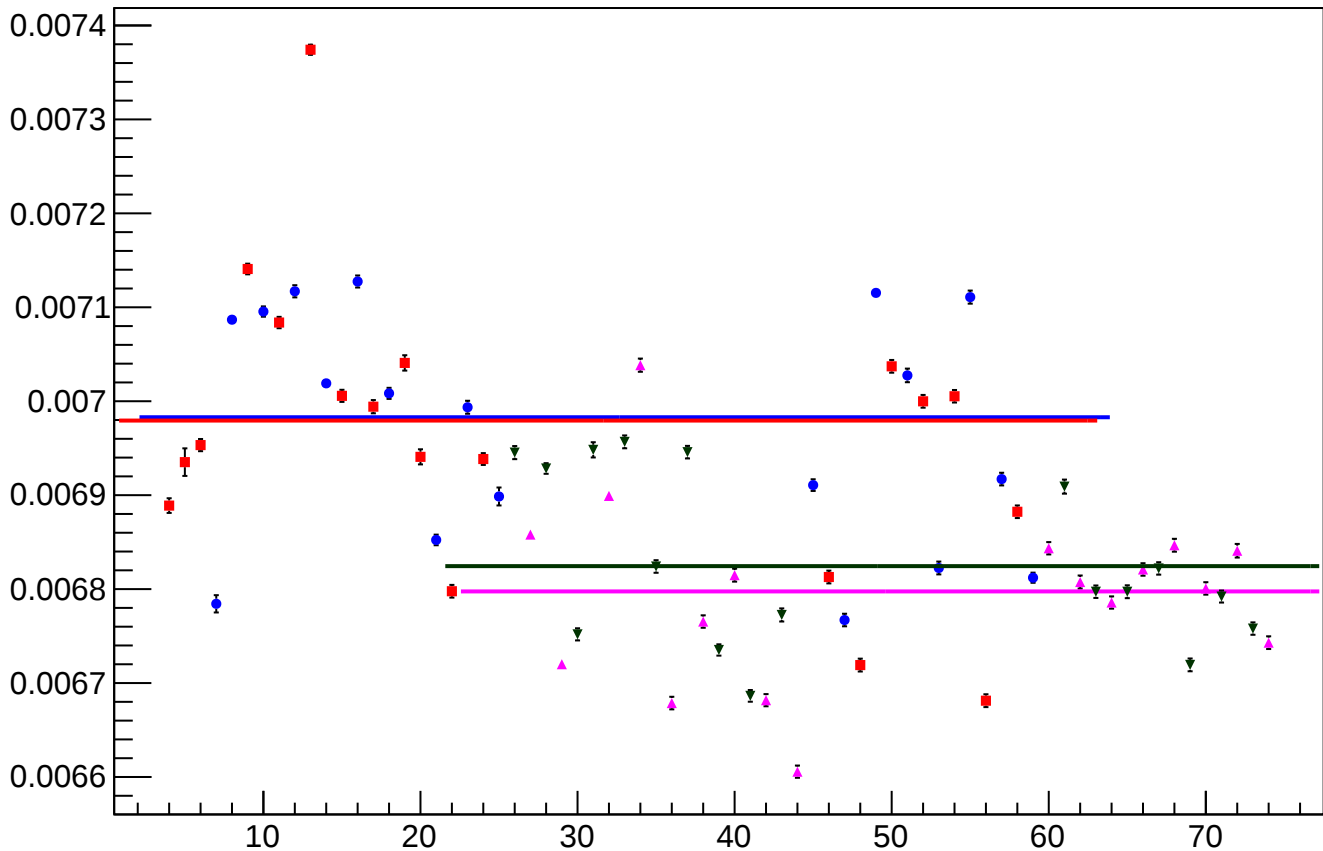
379.039+/-0.000 χ^2/NDF : 44811179.7/34

Right Out: 379.041+/-0.000 χ^2/NDF : 46280794.1/18

379.041+/-0.000 χ^2/NDF : 54521726.6/35

Left In: 379.040+/-0.000 χ^2/NDF :8046644.0/16

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 : 2985.0/16

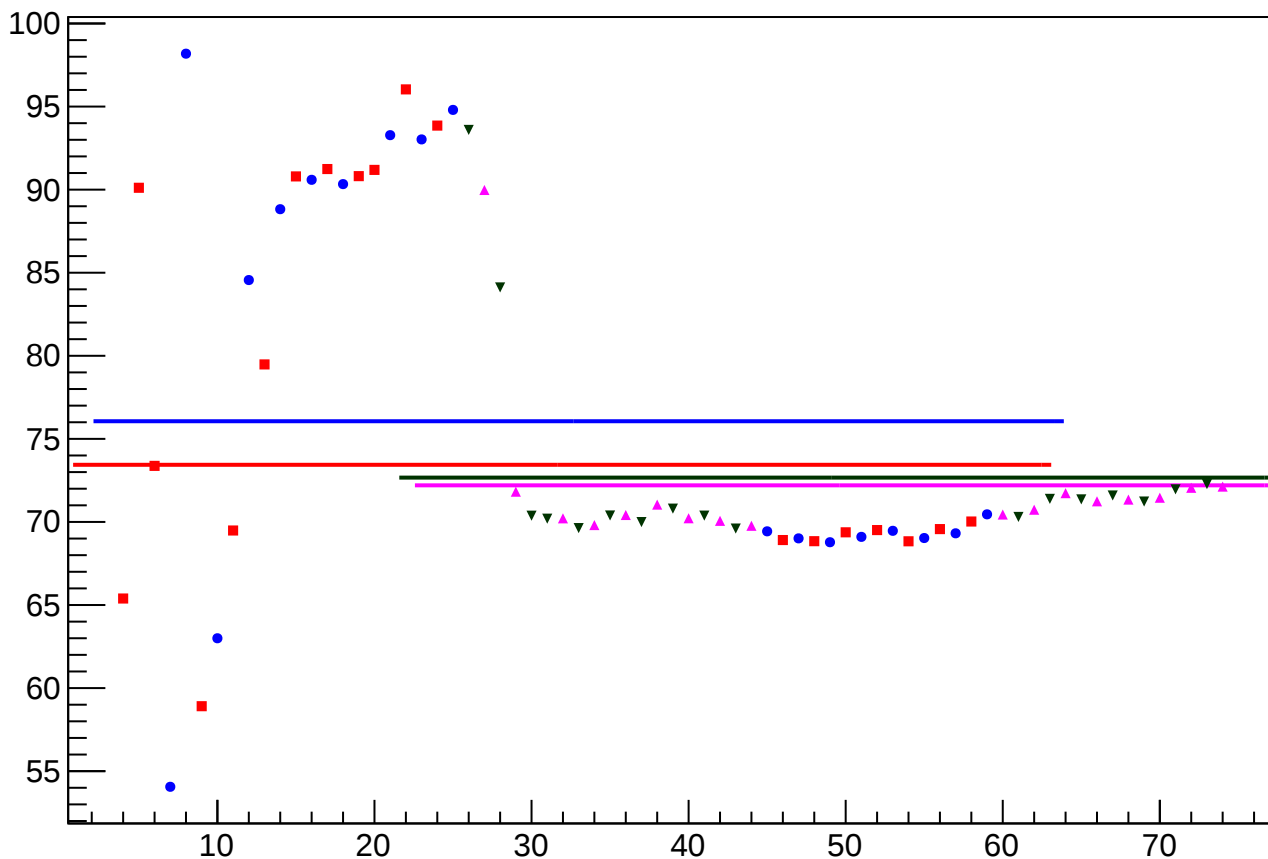
0.007+/-0.000 χ^2/NDF : 14953.0/34

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

0.007+/-0.000 χ^2/NDF : 22287.6/35

Left In: 0.007+/-0.000 χ^2/NDF : 3668.8/16

yield_bcm0l02_mean vs slug



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

Left Out: 72.668+/-0.000 χ^2 /NDF:3813977322.2/16

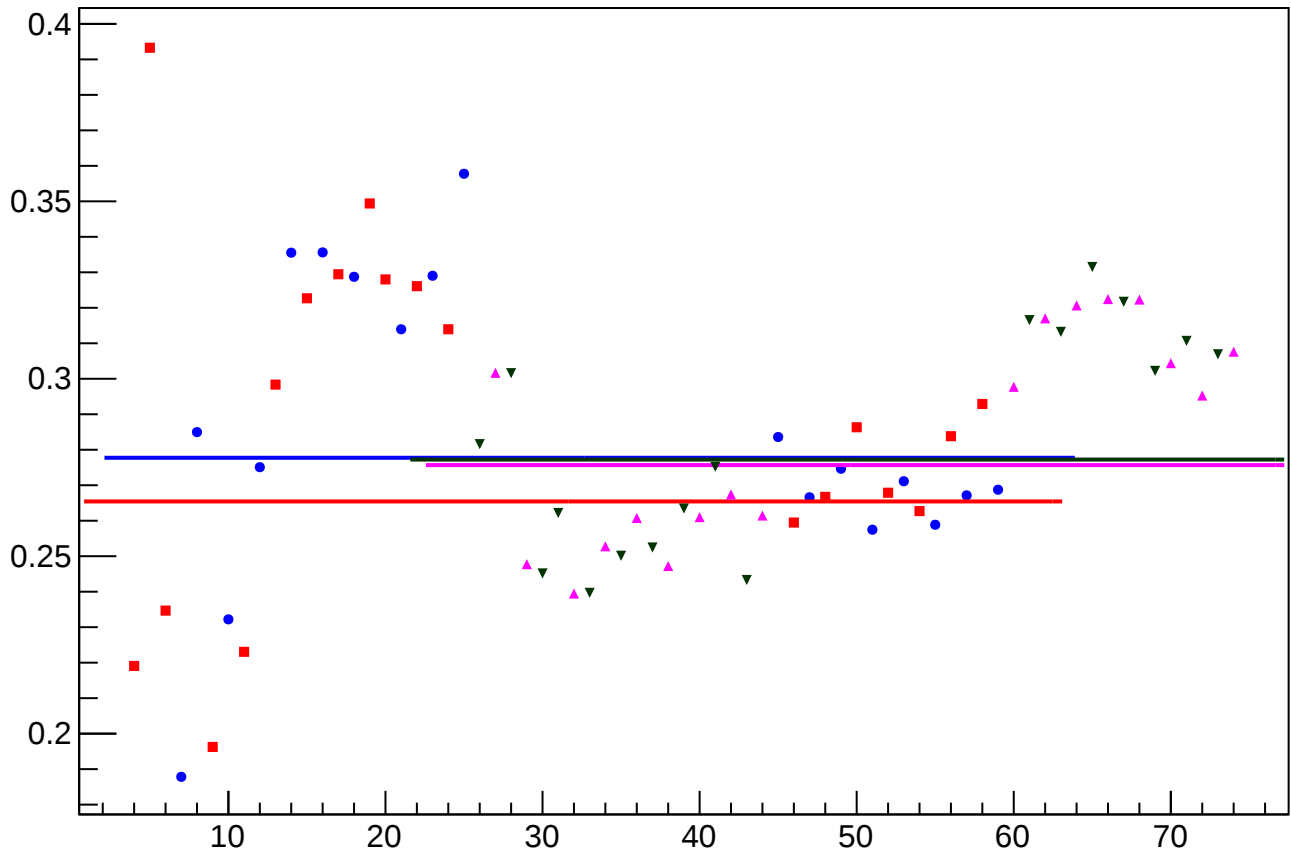
Right Out: 73.439+/-0.000 χ^2 /NDF: 14741427319.0/18

Left In: 72.203+/-0.000 χ^2 /NDF:2983766666.2/16

74.539+/-0.000 χ^2 /NDF: 25286317133.3/34

72.834+/-0.000 χ^2 /NDF: 17818496808.6/35

yield_bcm0l02_rms vs slug



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

Left Out: 0.277+/-0.000 χ^2/NDF :192806.8/16

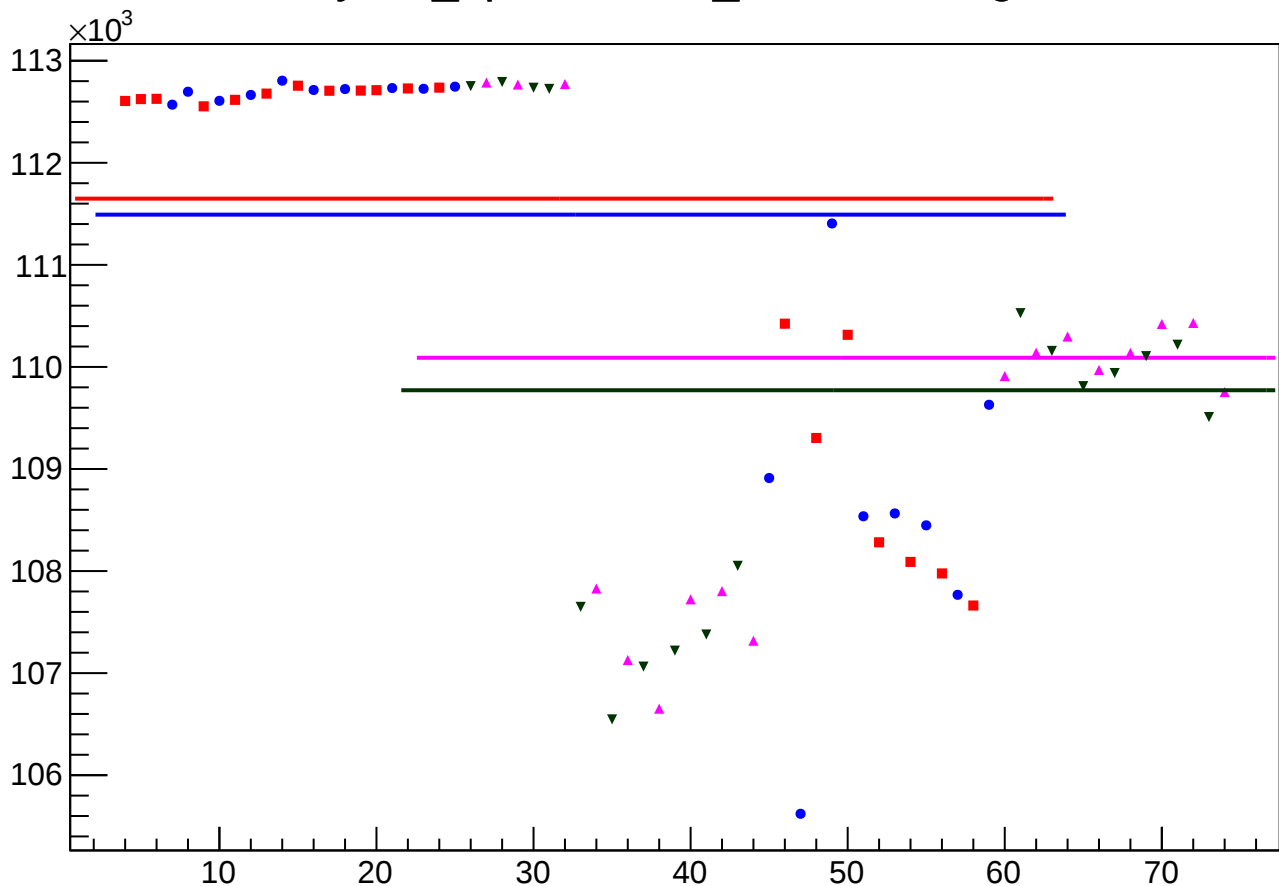
Right Out: 0.265+/-0.000 χ^2/NDF : 503582.7/18

Left In: 0.276+/-0.000 χ^2/NDF :207621.6/16

0.278+/-0.000 χ^2/NDF : 563081.9/34

0.270+/-0.000 χ^2/NDF : 724013.3/35

yield_bpm2i01WS_mean vs slug



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

Left Out: 109771.660 $\pm$ 0.043 χ^2 /NDF: 2713525526.1/16

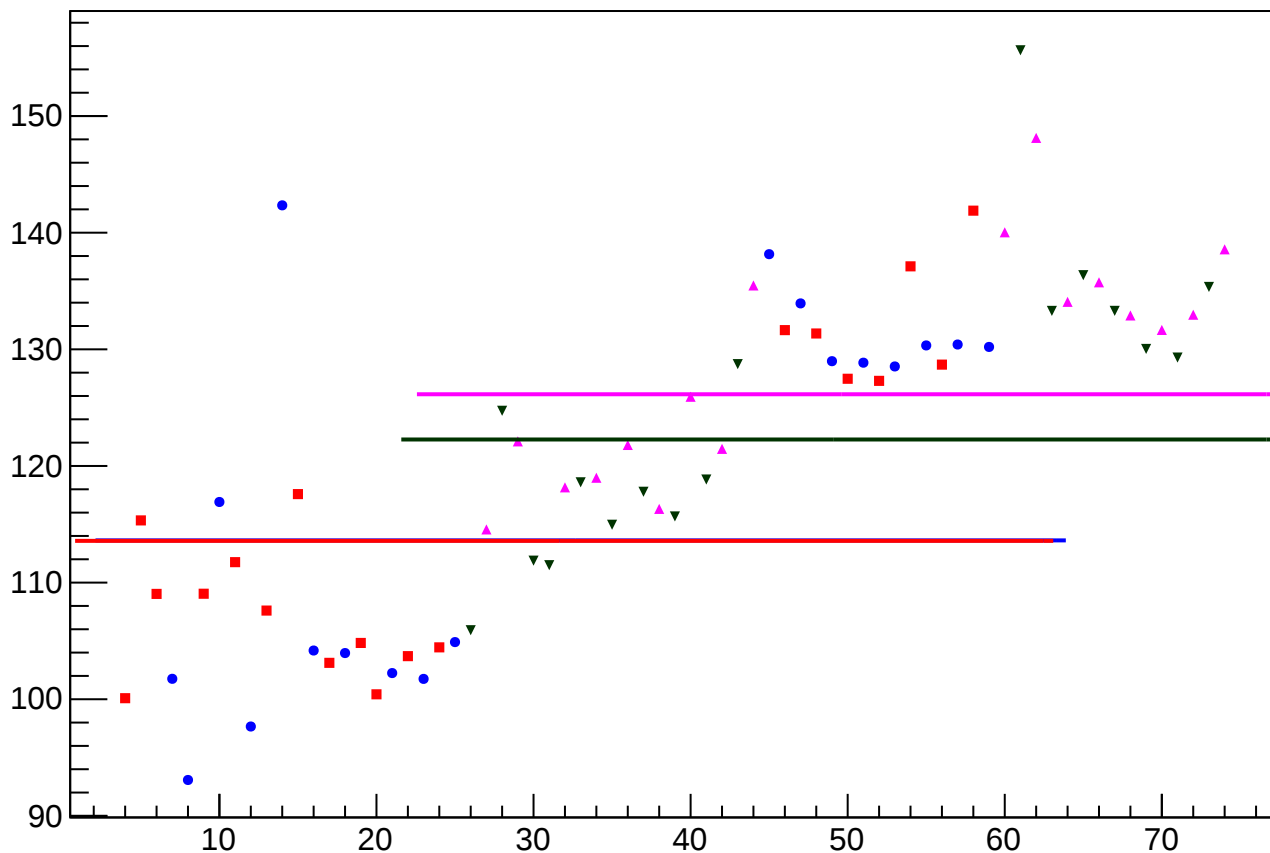
Right Out: 111648.935 $\pm$ 0.037 χ^2 /NDF: 2298631932.7/18

Left In: 110089.850 $\pm$ 0.042 χ^2 /NDF: 2601466010.5/16

110810.191 $\pm$ 0.027 χ^2 /NDF: 6846233846.8/34

110969.754 $\pm$ 0.028 χ^2 /NDF: 5663811092.8/35

yield_bpm2i01WS_rms vs slug



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

Left Out: 122.270 $\pm$ 0.030 χ^2/NDF : 113962.9/16

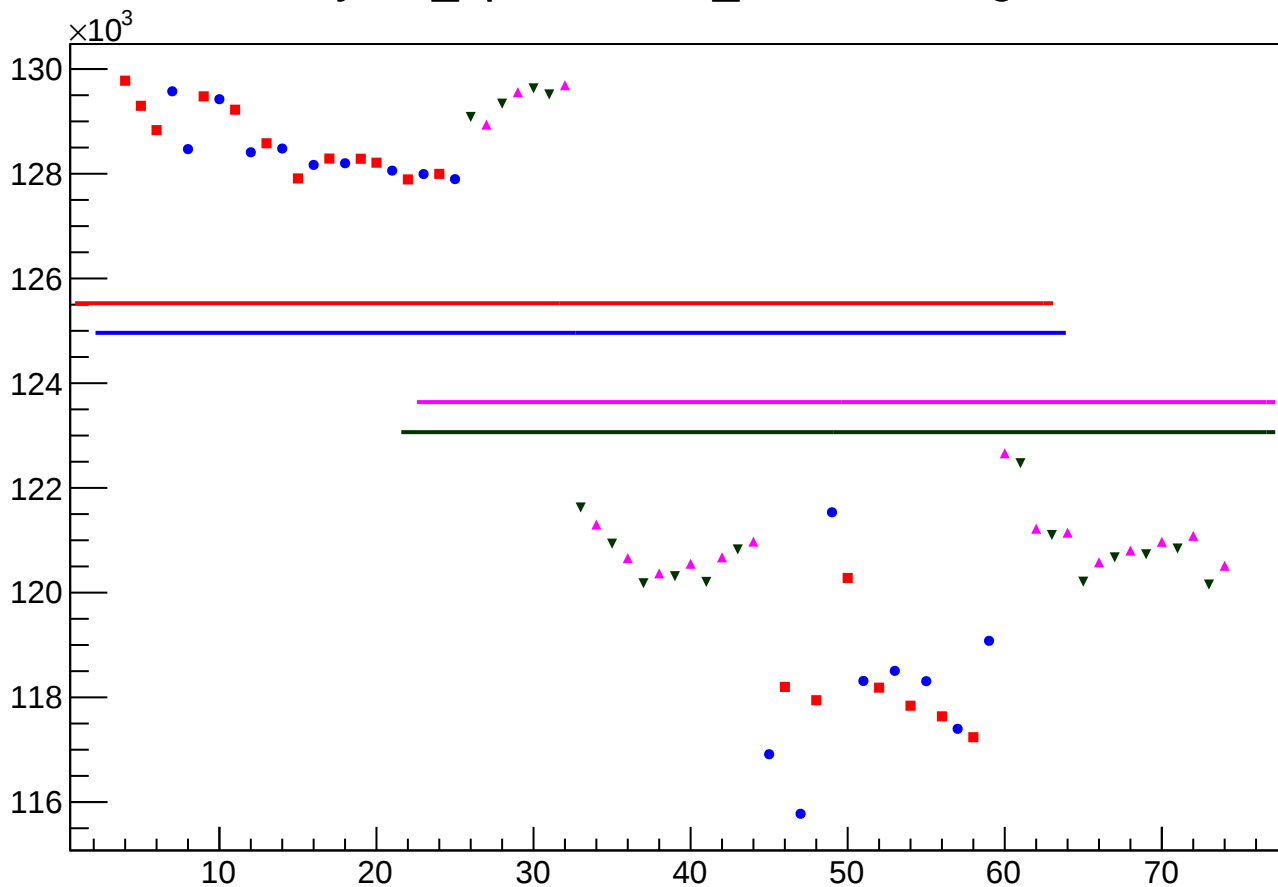
Right Out: 113.579 $\pm$ 0.026 χ^2/NDF : 206805.2/18

Left In: 126.148 $\pm$ 0.030 χ^2/NDF : 89626.4/16

117.048 $\pm$ 0.019 χ^2/NDF : 584901.6/34

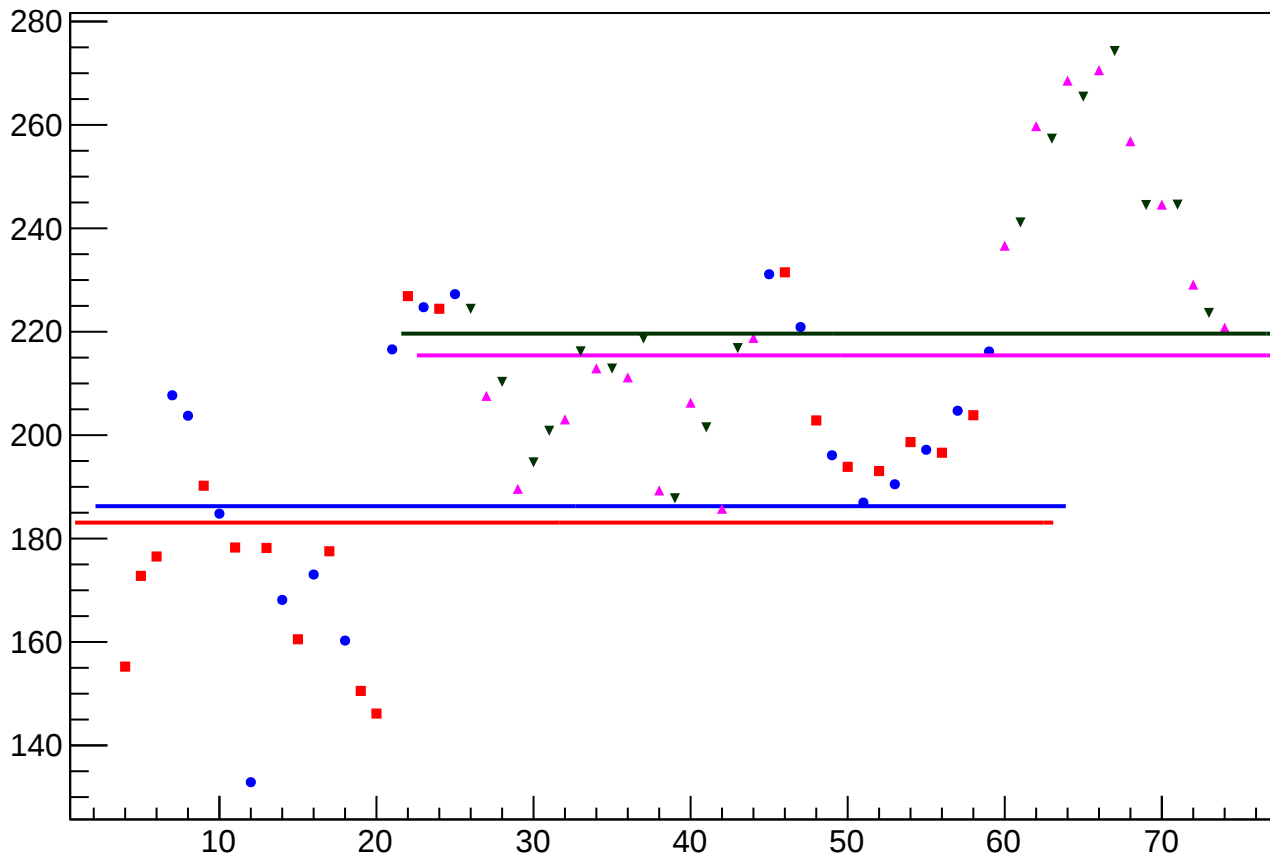
119.055 $\pm$ 0.020 χ^2/NDF : 395698.2/35

yield_bpm0i07WS_mean vs slug



Right In: 124961.680 $\pm$ 0.057 χ^2 /NDF: 7216201458.1/17
 Left Out: 123064.919 $\pm$ 0.075 χ^2 /NDF: 2728221870.1/16
 Right Out: 125527.018 $\pm$ 0.060 χ^2 /NDF: 6545248421.9/18
 Left In: 123639.097 $\pm$ 0.070 χ^2 /NDF: 3231975817.6/16

yield_bpm0i07WS_rms vs slug



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

Left Out: 219.637 $\pm$ 0.053 χ^2 /NDF:194369.4/16

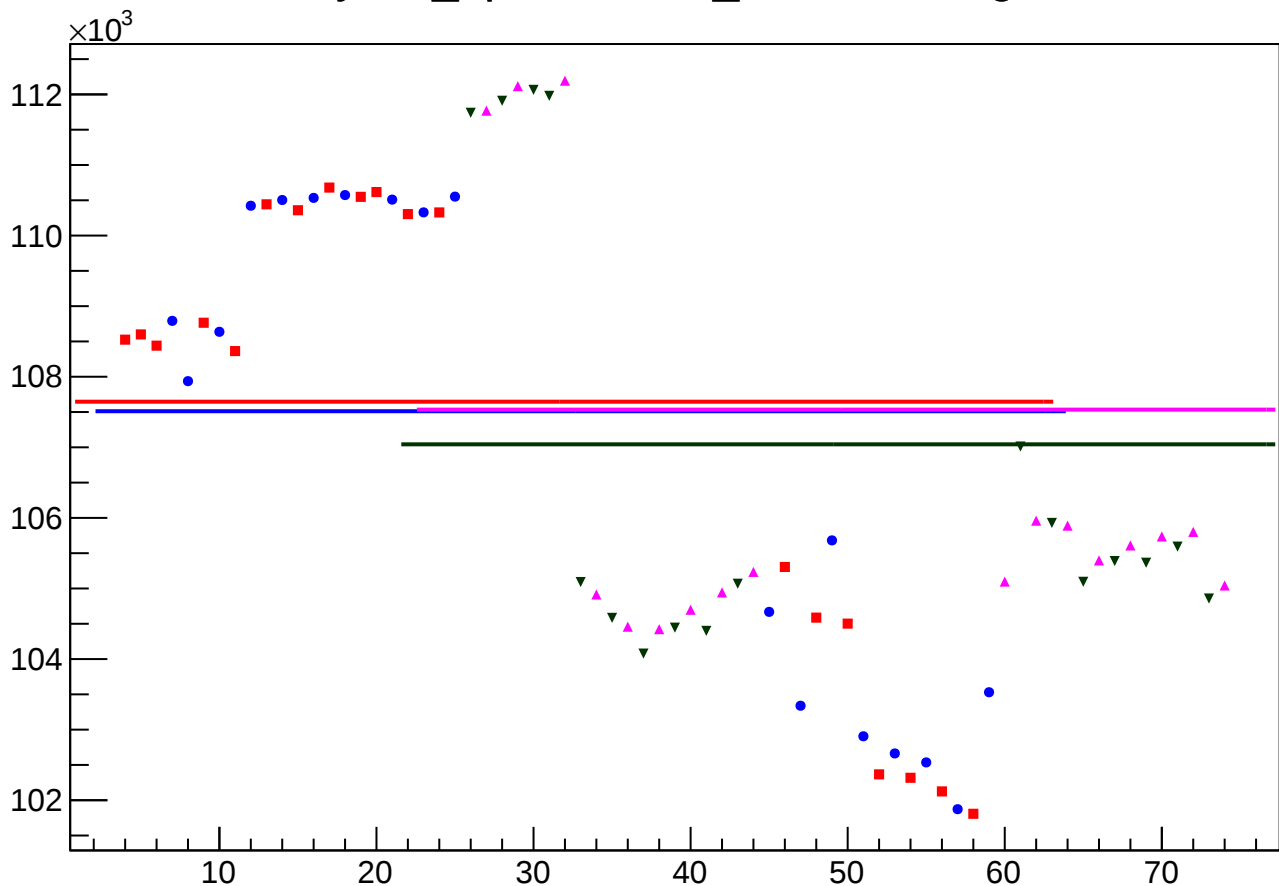
Right Out: 183.088 $\pm$ 0.042 χ^2 /NDF: 276420.3/18

Left In: 215.426 $\pm$ 0.050 χ^2 /NDF:250695.9/16

198.447 $\pm$ 0.032 χ^2 /NDF: 908947.8/34

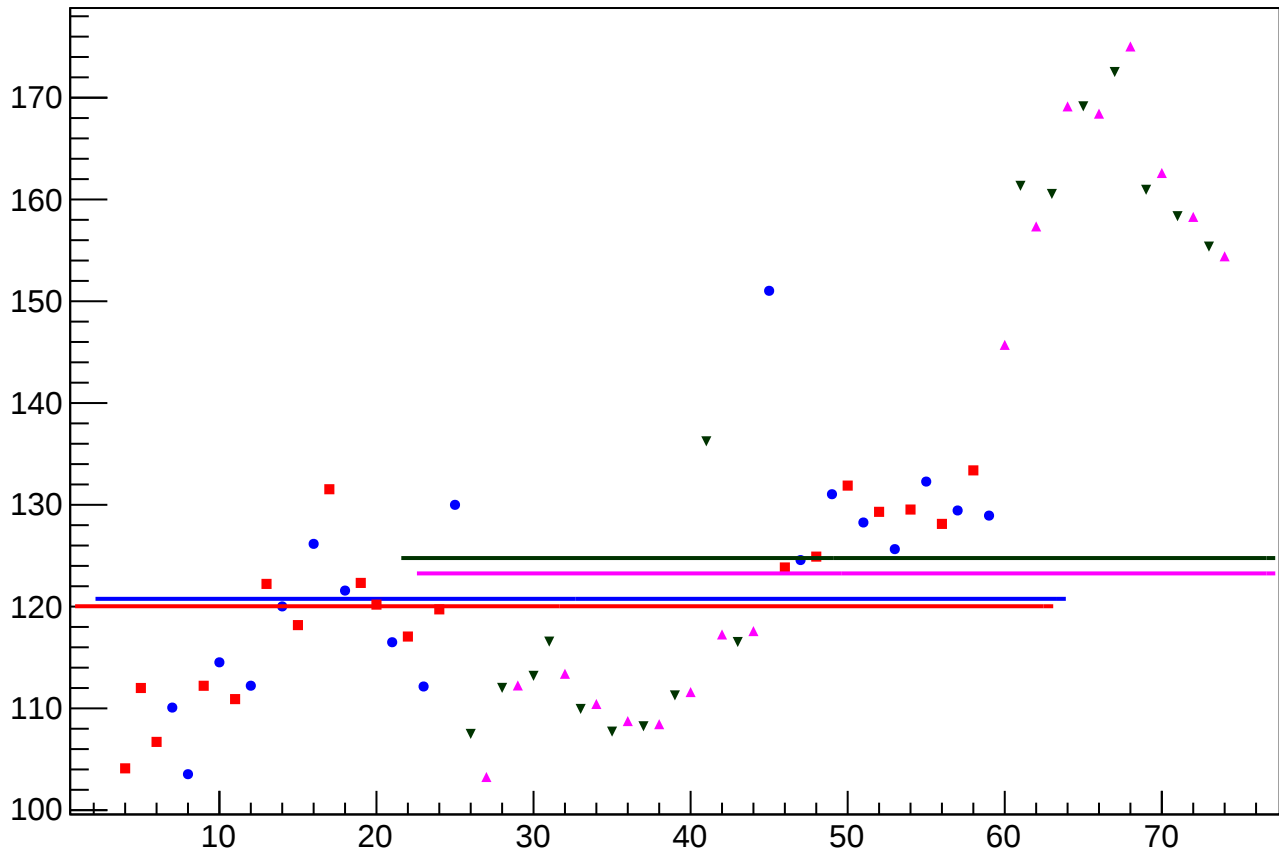
196.614 $\pm$ 0.032 χ^2 /NDF: 773838.8/35

yield_bpm0l01WS_mean vs slug



Right In: 107511.375 $\pm$ 0.037 χ^2 /NDF: 7545366390.6/17
 Left Out: 107042.389 $\pm$ 0.043 χ^2 /NDF: 5756325220.3/16
 Right Out: 107646.372 $\pm$ 0.039 χ^2 /NDF: 6547636060.9/18
 Left In: 107533.900 $\pm$ 0.041 χ^2 /NDF: 6812262703.0/16

yield_bpm0l01WS_rms vs slug



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

Left Out: 124.770+/-0.030 χ^2/NDF : 527571.6/16

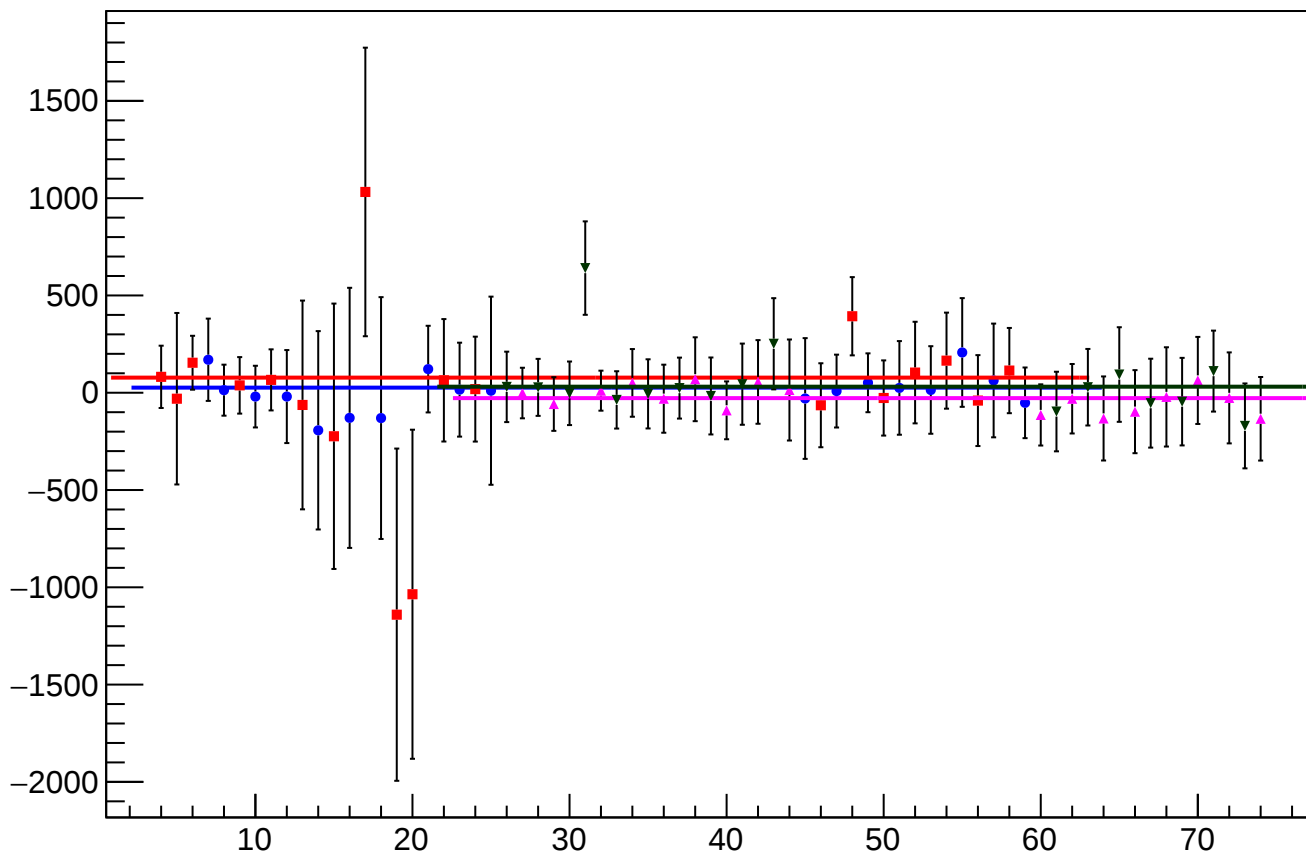
Right Out: 120.035+/-0.028 χ^2/NDF : 93920.3/18

Left In: 123.261+/-0.029 χ^2/NDF : 606018.1/16

122.443+/-0.020 χ^2/NDF : 693358.8/34

121.579+/-0.020 χ^2/NDF : 706515.5/35

asym_bcm_an_ds_mean vs slug



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

Left Out: 31.108+/-46.283 χ^2/NDF : 9.4/16

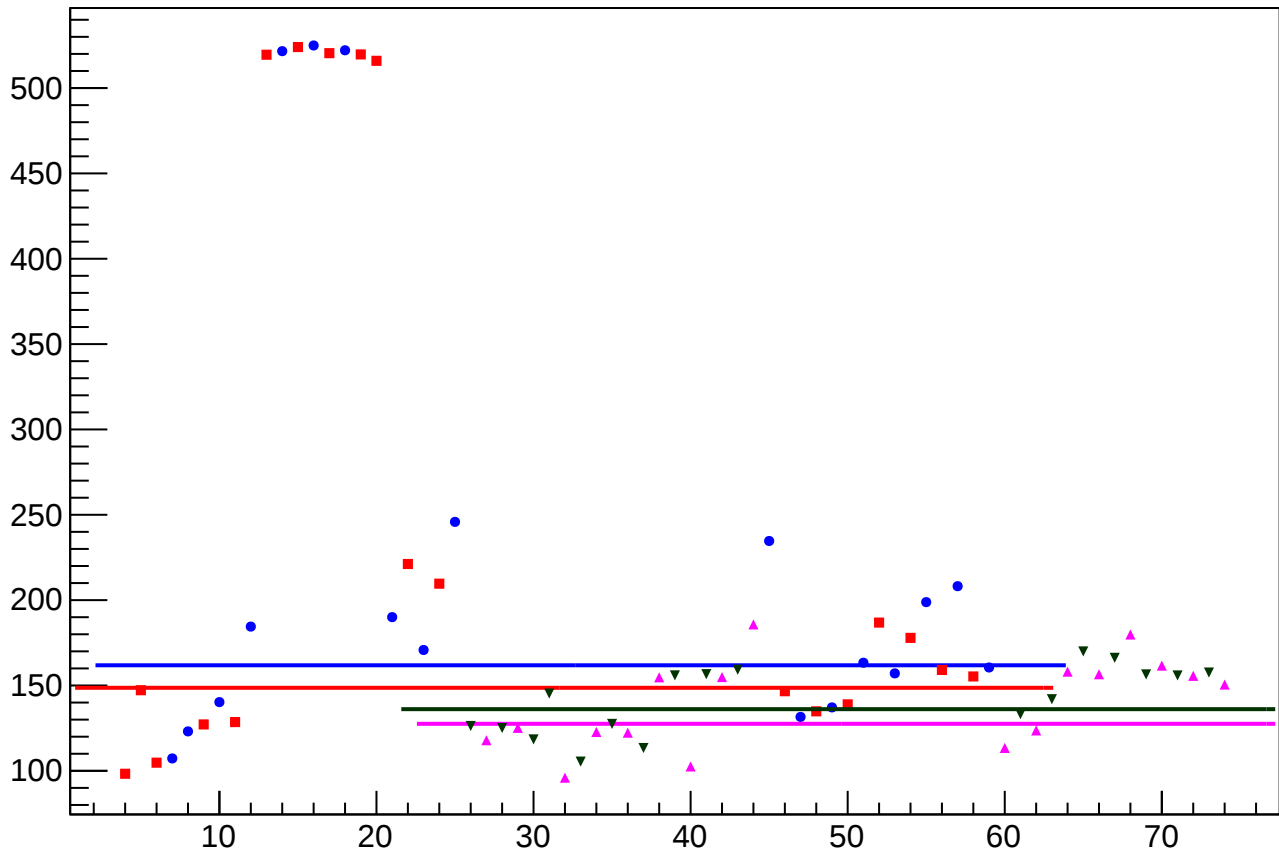
Right Out: 77.703+/-52.586 χ^2/NDF : 9.8/18

Left In: -27.672+/-42.036 χ^2/NDF : 2.0/16

28.982+/-34.721 χ^2/NDF : 11.2/34

13.411+/-32.835 χ^2/NDF : 14.3/35

asym_bcm_an_ds_rms vs slug



Right In: 161.835+/-0.037 χ^2/NDF : 3018868.1/17

Left Out: 136.129+/-0.033 χ^2/NDF :365669.6/16

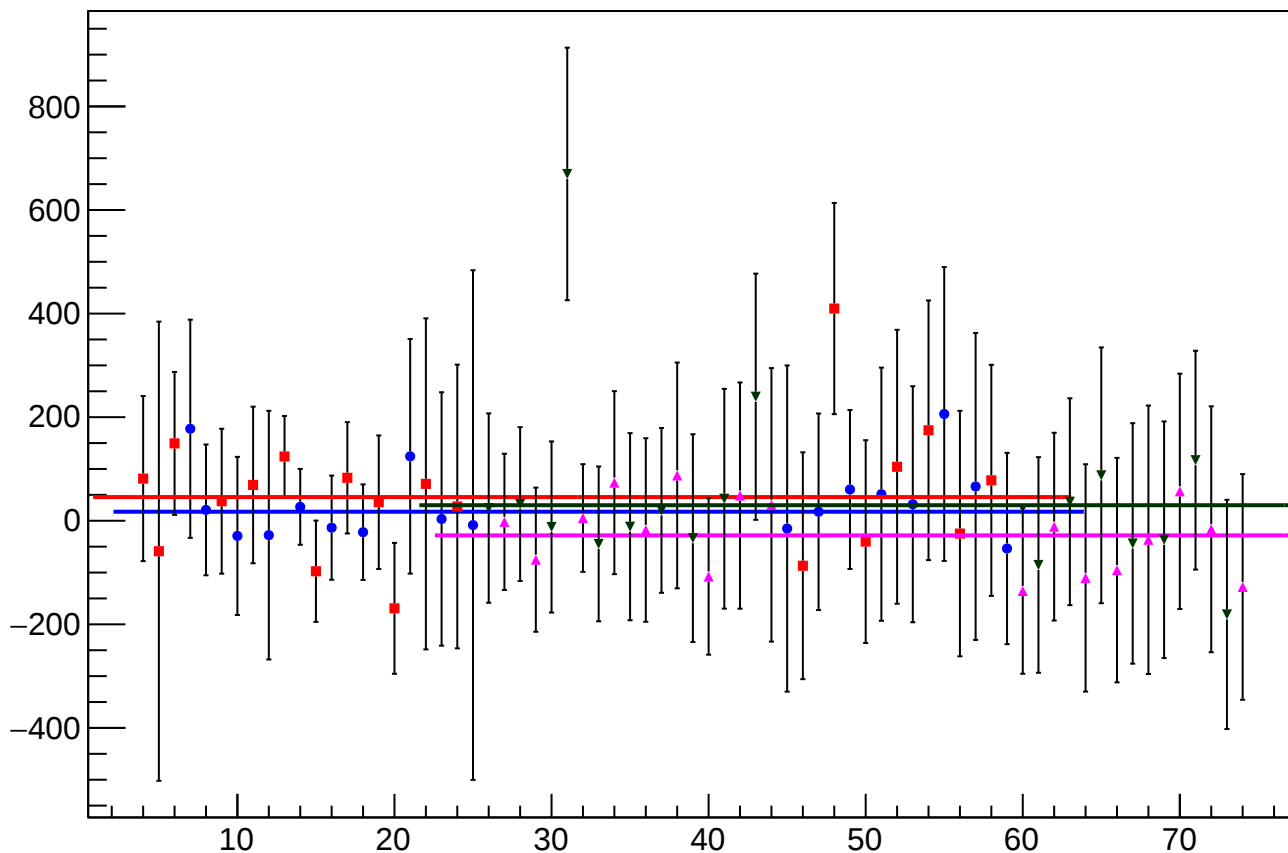
Right Out: 148.646+/-0.037 χ^2/NDF : 3594583.0/18

Left In: 127.551+/-0.030 χ^2/NDF :701249.4/16

147.368+/-0.025 χ^2/NDF : 3654281.2/34

135.776+/-0.023 χ^2/NDF : 4492201.5/35

asym_bcm_an_ds3_mean vs slug



Right In: 17.458+/-36.313 χ^2/NDF : 2.0/17

Left Out: 30.004+/-46.955 χ^2/NDF : 9.8/16

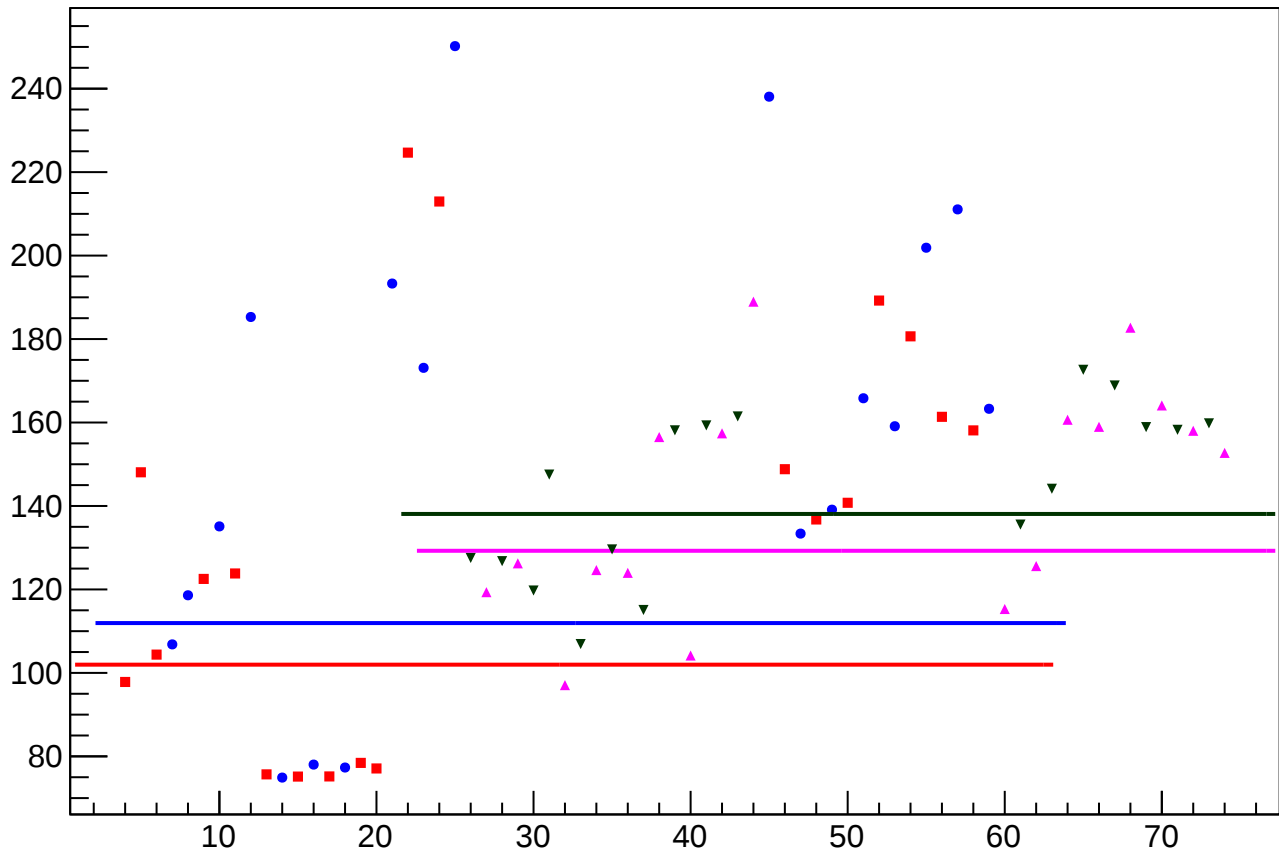
Right Out: 45.735+/-34.677 χ^2/NDF : 11.0/18

Left In: -28.219+/-42.612 χ^2/NDF : 2.4/16

22.153+/-28.725 χ^2/NDF : 11.8/34

16.272+/-26.897 χ^2/NDF : 15.2/35

asym_bcm_an_ds3_rms vs slug



Right In: 111.942 $\pm$ 0.026 χ^2 /NDF: 2972725.0/17

Left Out: 138.089 $\pm$ 0.033 χ^2 /NDF: 369032.5/16

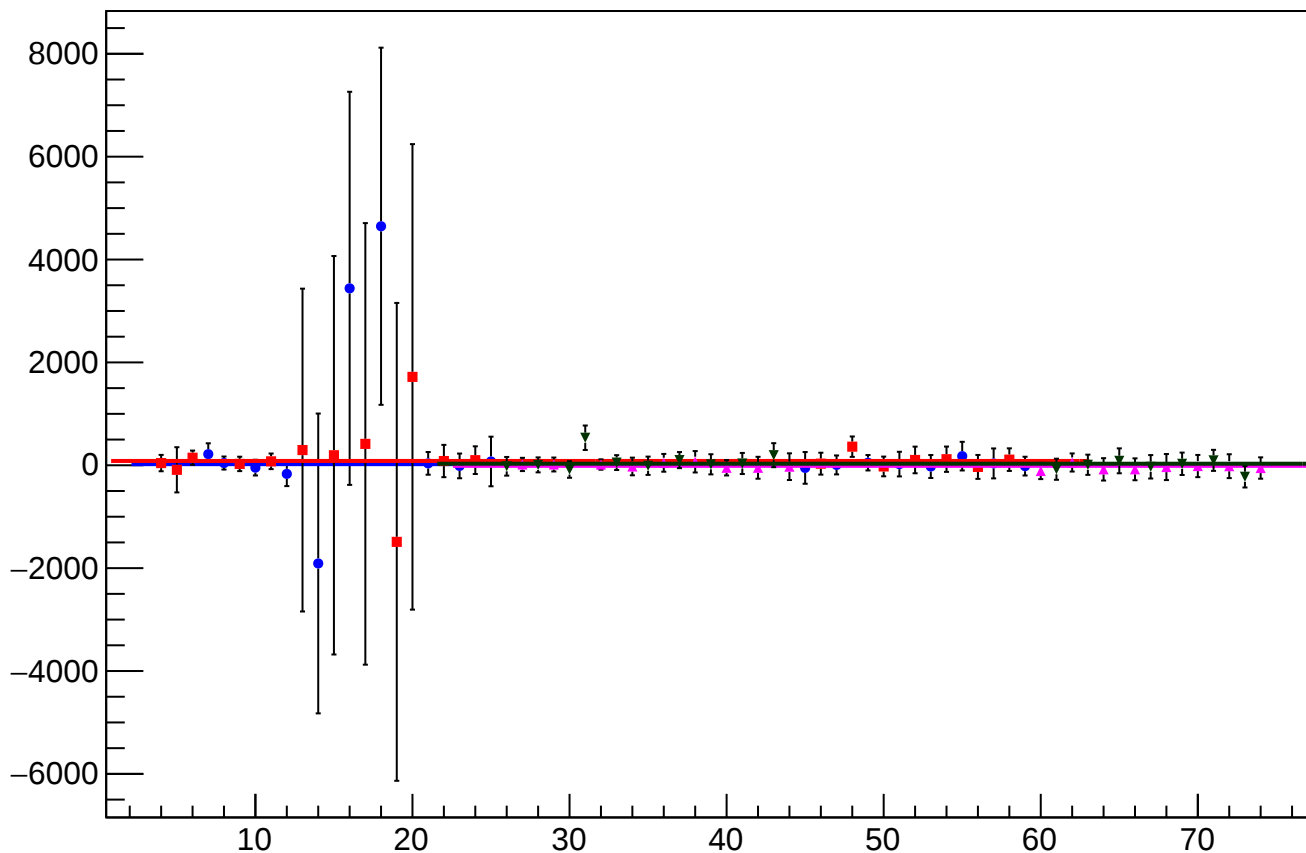
Right Out: 101.974 $\pm$ 0.025 χ^2 /NDF: 2271871.2/18

Left In: 129.263 $\pm$ 0.030 χ^2 /NDF: 708313.5/16

121.727 $\pm$ 0.020 χ^2 /NDF: 3729823.4/34

112.846 $\pm$ 0.019 χ^2 /NDF: 3473635.2/35

asym_bcm_an_us_mean vs slug



Right In: 21.772 $\pm$ 52.365 χ^2 /NDF: 5.3/17

Left Out: 30.415 $\pm$ 45.794 χ^2 /NDF: 7.9/16

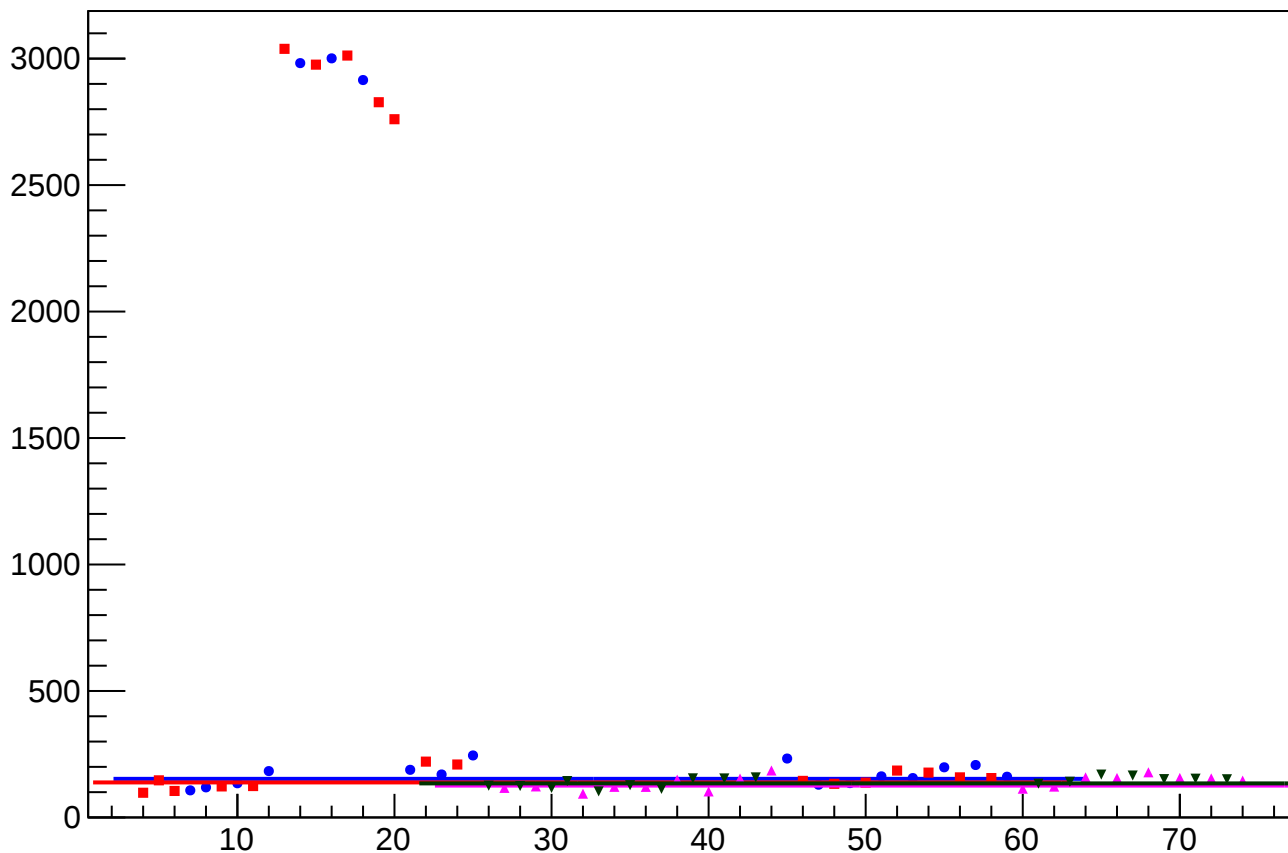
Right Out: 84.092 $\pm$ 52.636 χ^2 /NDF: 3.5/18

Left In: -11.259 $\pm$ 41.521 χ^2 /NDF: 1.3/16

26.669 $\pm$ 34.472 χ^2 /NDF: 13.1/34

25.316 $\pm$ 32.599 χ^2 /NDF: 6.8/35

asym_bcm_an_us_rms vs slug



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

Left Out: 134.639+/-0.032 χ^2/NDF : 361839.6/16

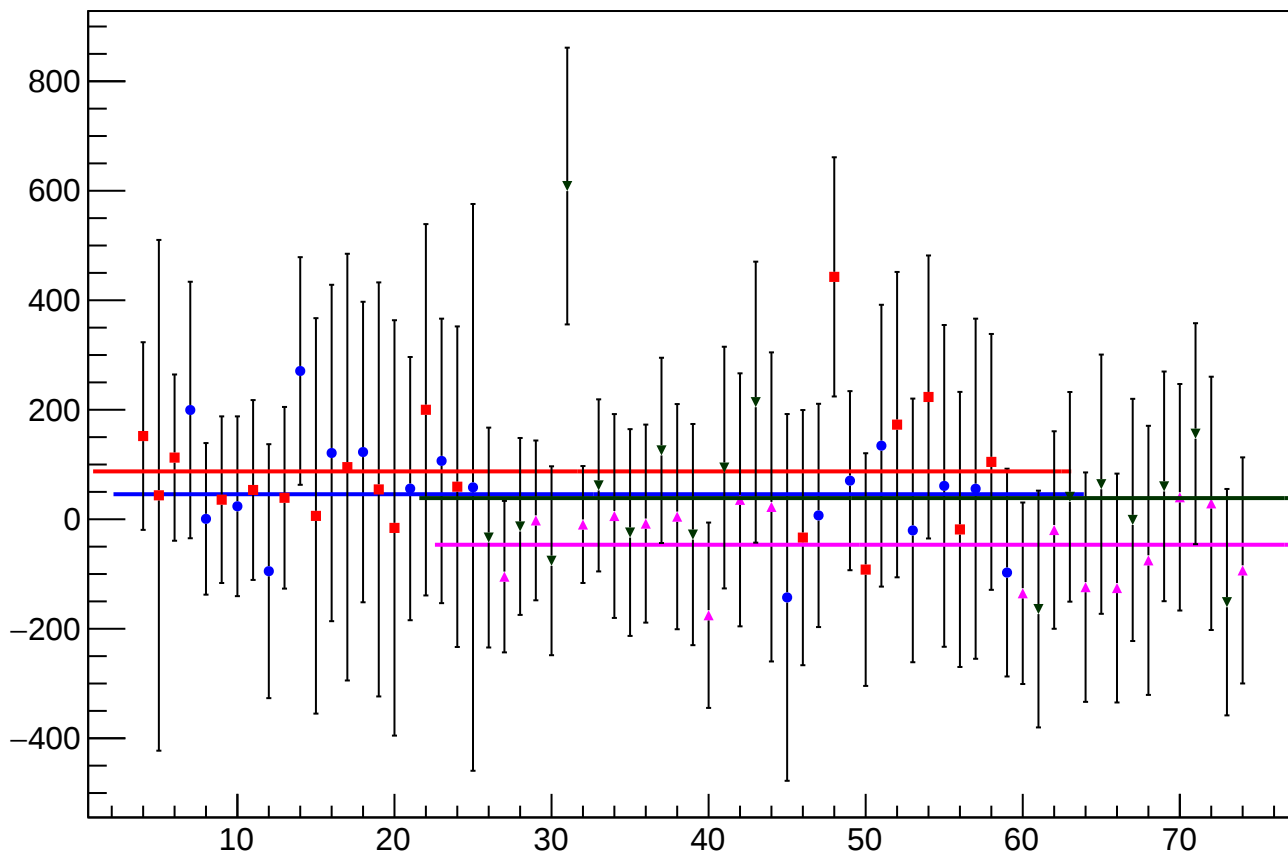
Right Out: 138.455+/-0.037 χ^2/NDF : 5734578.9/18

Left In: 125.986+/-0.029 χ^2/NDF : 698957.1/16

142.435+/-0.024 χ^2/NDF : 5513218.0/34

130.769+/-0.023 χ^2/NDF : 6502721.7/35

asym_bcm_dg_us_mean vs slug



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

Left Out: 38.660+/-48.020 χ^2/NDF : 8.9/16

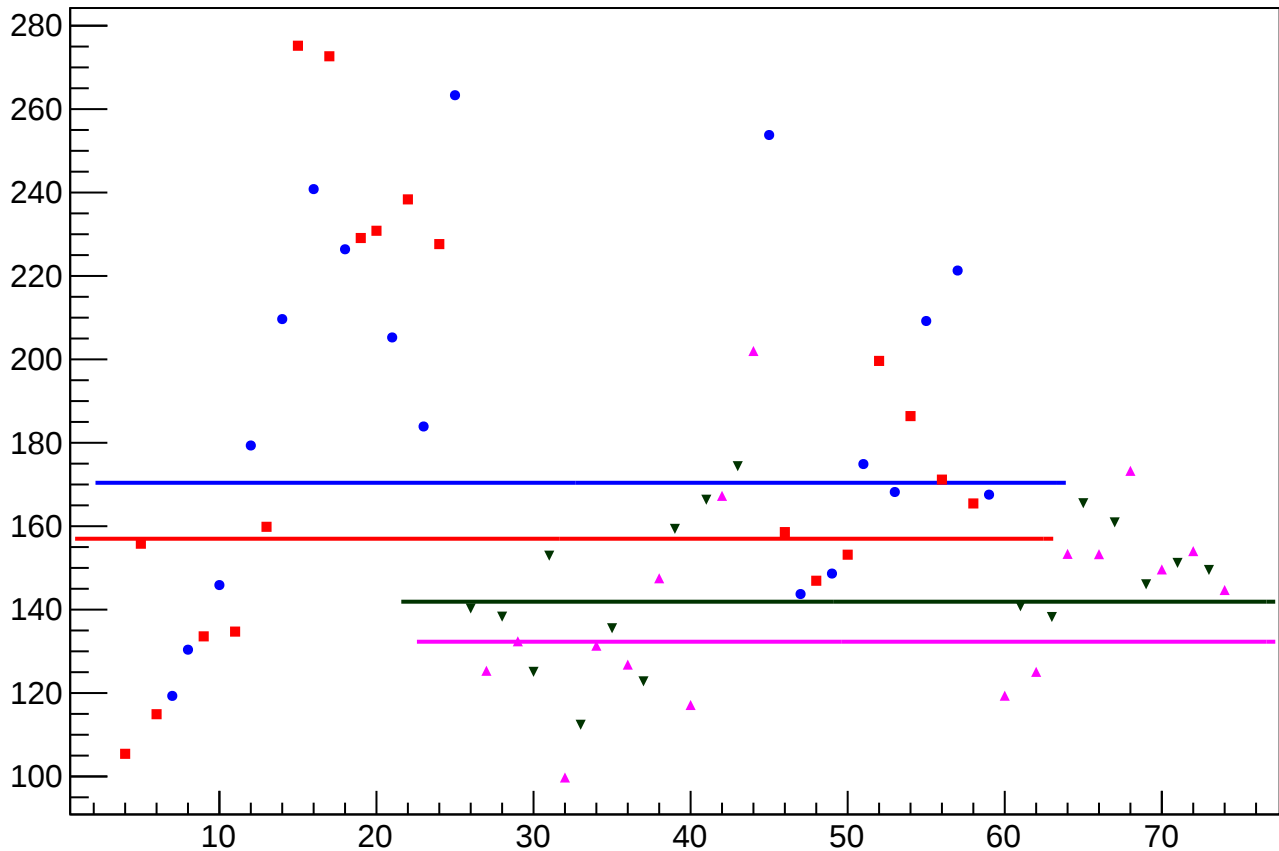
Right Out: 87.434+/-51.940 χ^2/NDF : 4.9/18

Left In: -46.539+/-43.395 χ^2/NDF : 2.3/16

41.878+/-35.465 χ^2/NDF : 12.4/34

8.535+/-33.302 χ^2/NDF : 11.0/35

asym_bcm_dg_us_rms vs slug



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

Left Out: 141.901 $\pm$ 0.034 χ^2 /NDF:236920.2/16

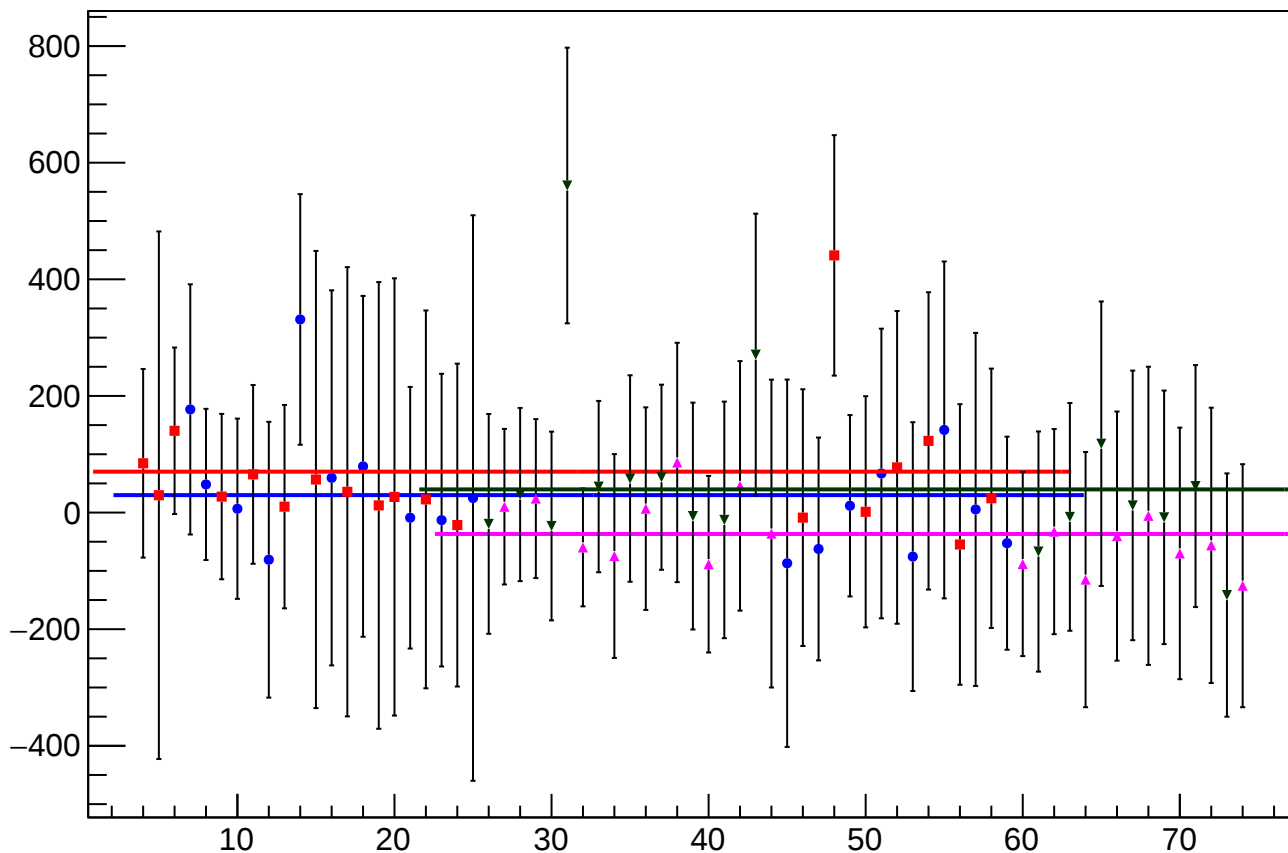
154.860 $\pm$ 0.025 χ^2 /NDF: 1522062.6/34

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

142.455 $\pm$ 0.024 χ^2 /NDF: 2080483.7/35

Left In: 132.304 $\pm$ 0.031 χ^2 /NDF:537839.8/16

asym_bcm_dg_ds_mean vs slug



Right In: 29.919+/-50.591 χ^2/NDF : 3.8/17

Left Out: 39.731+/-46.224 χ^2/NDF : 7.4/16

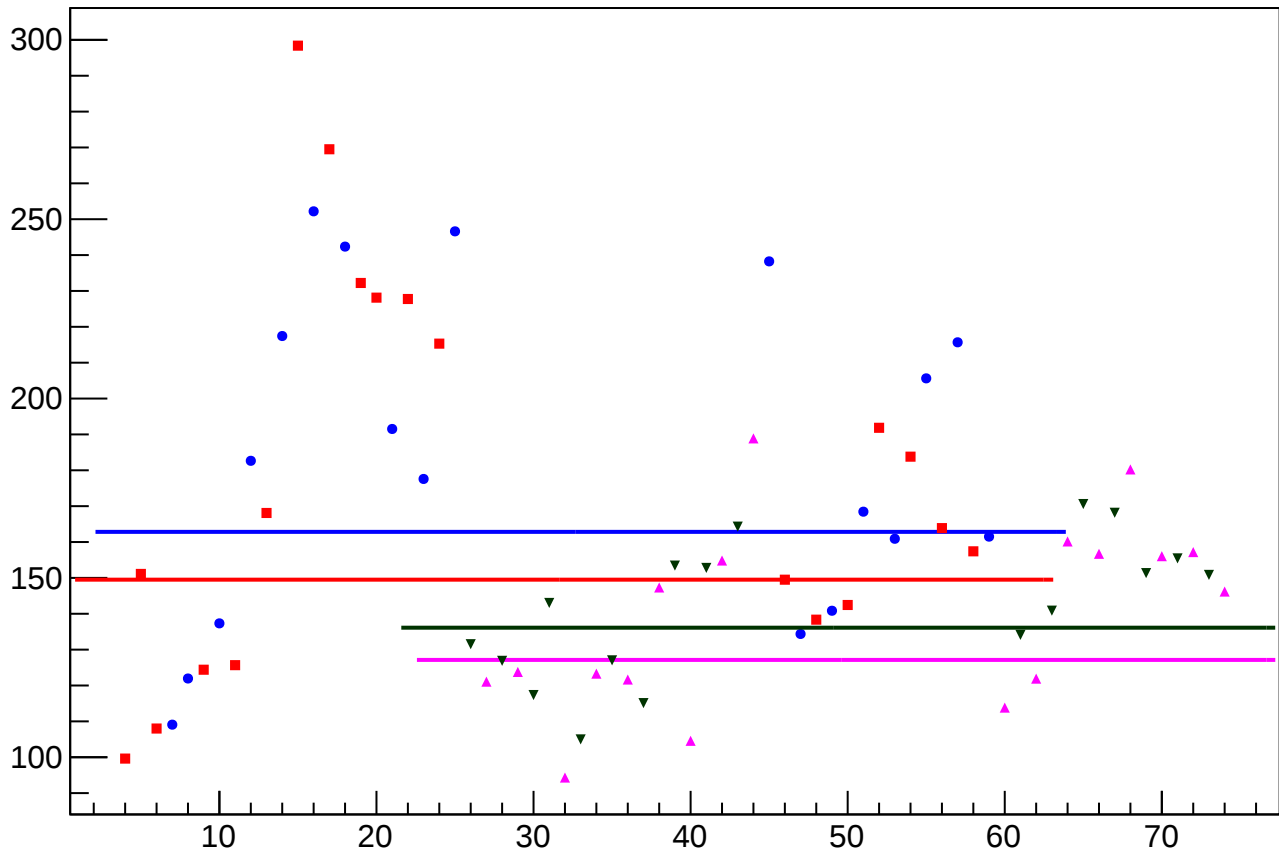
Right Out: 70.155+/-49.782 χ^2/NDF : 4.5/18

Left In: -36.670+/-41.875 χ^2/NDF : 1.6/16

35.267+/-34.125 χ^2/NDF : 11.2/34

7.595+/-32.045 χ^2/NDF : 8.7/35

asym_bcm_dg_ds_rms vs slug



Right In: 162.833+/-0.036 χ^2/NDF : 1229021.5/17

Left Out: 136.117+/-0.033 χ^2/NDF : 341189.4/16

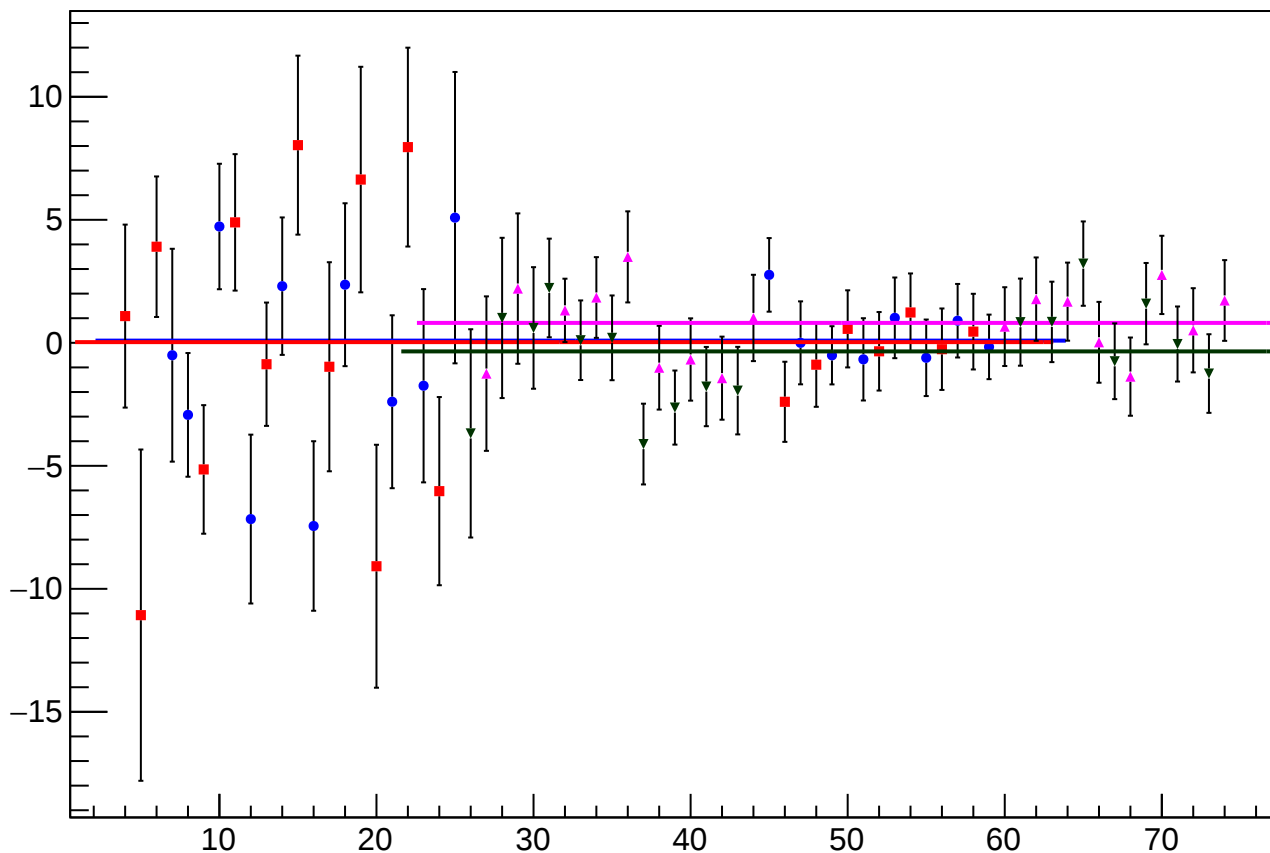
148.273+/-0.024 χ^2/NDF : 1874182.7/34

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

136.404+/-0.023 χ^2/NDF : 2424033.0/35

Left In: 127.133+/-0.030 χ^2/NDF : 696748.8/16

asym_cav4bQ_mean vs slug



Right In: 0.089 ± 0.466 χ^2/NDF : 21.1/17

Left Out: -0.349 ± 0.429 χ^2/NDF : 19.1/16

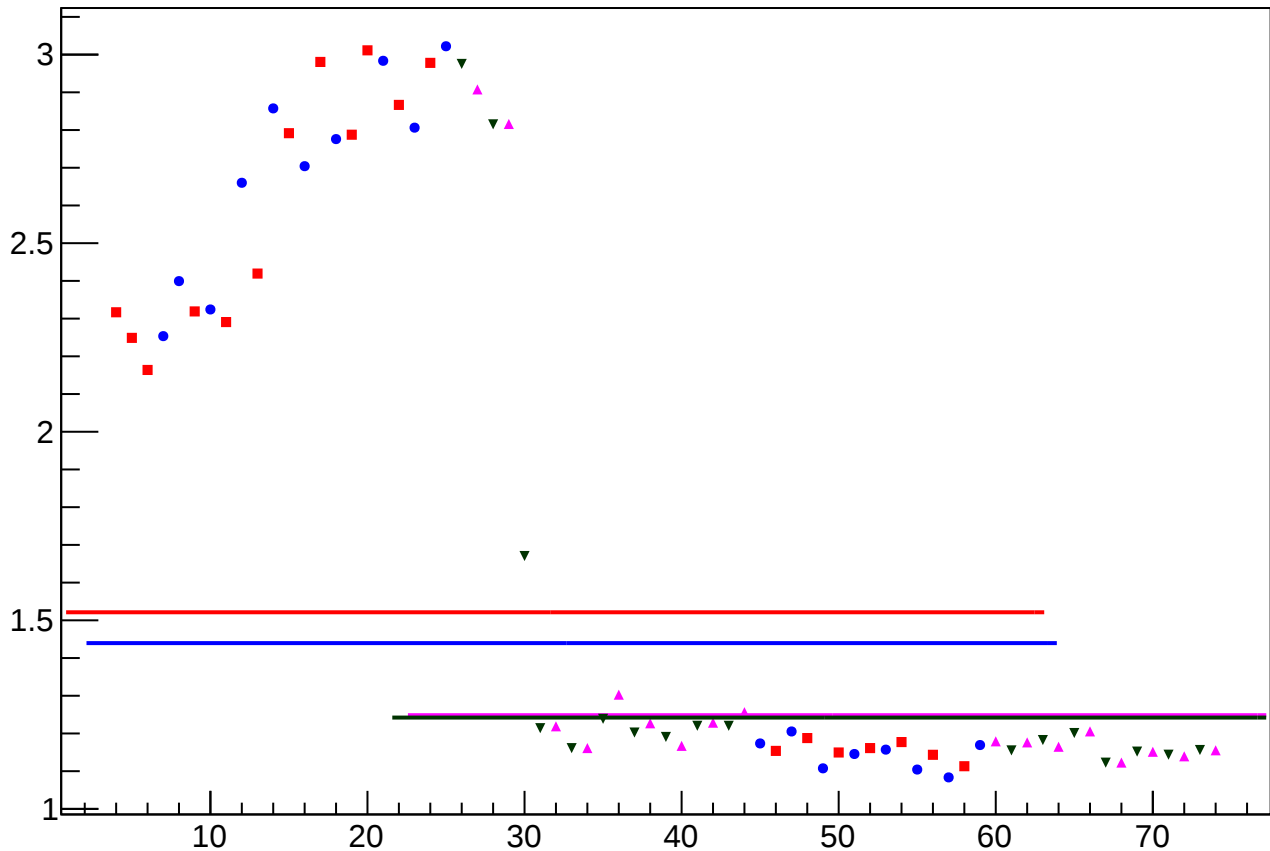
Right Out: 0.028 ± 0.520 χ^2/NDF : 31.9/18

Left In: 0.810 ± 0.413 χ^2/NDF : 11.6/16

-0.148 ± 0.315 χ^2/NDF : 40.6/34

0.507 ± 0.323 χ^2/NDF : 44.9/35

asym_cav4bQ_rms vs slug



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3409388.4/17

Left Out: 1.242 $\pm$ 0.000 χ^2 /NDF:912153.7/16

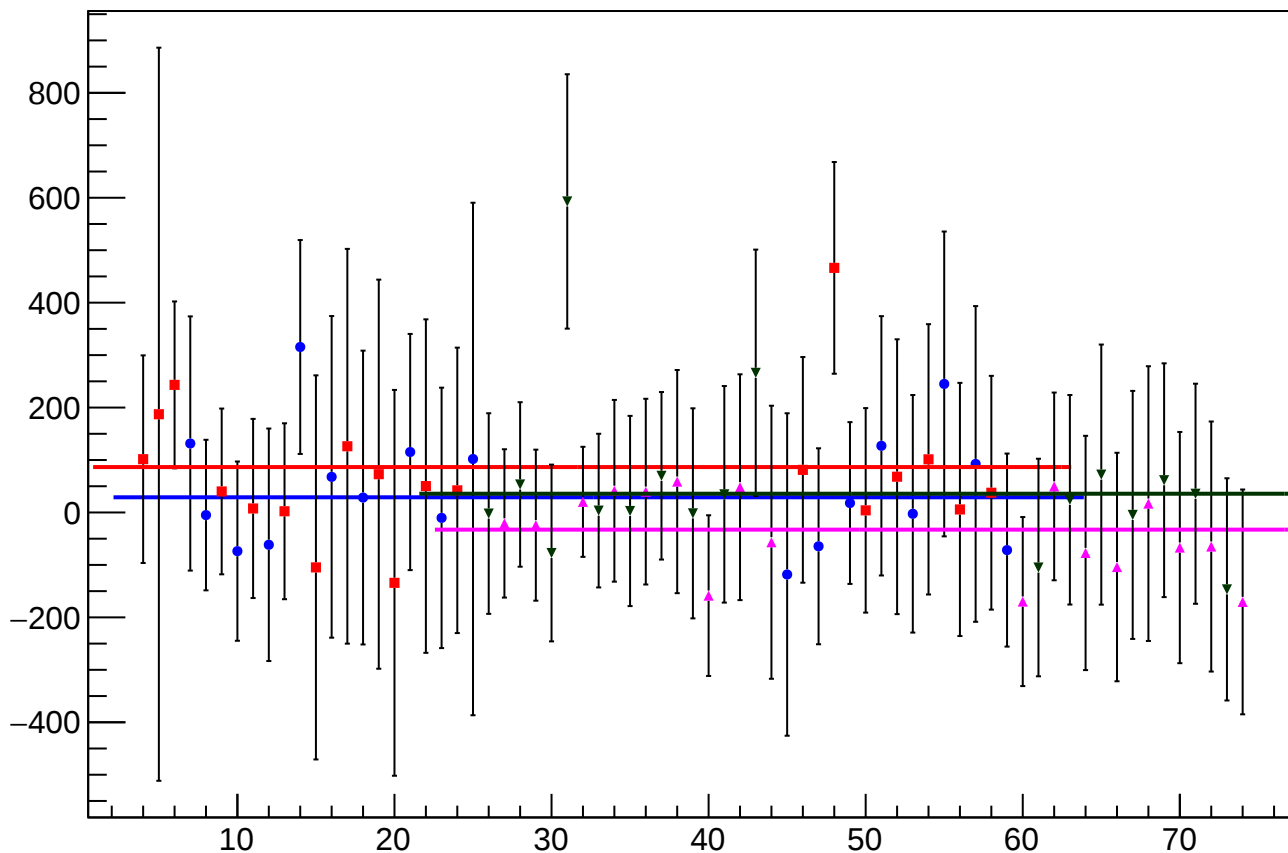
1.333 $\pm$ 0.000 χ^2 /NDF: 4516105.3/34

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

1.354 $\pm$ 0.000 χ^2 /NDF: 4355871.5/35

Left In: 1.248 $\pm$ 0.000 χ^2 /NDF:1147266.1/16

asym_cav4cQ_mean vs slug



Right In: 28.930 $\pm$ 51.478 χ^2 /NDF: 4.5/17

Left Out: 35.734 $\pm$ 47.108 χ^2 /NDF: 8.2/16

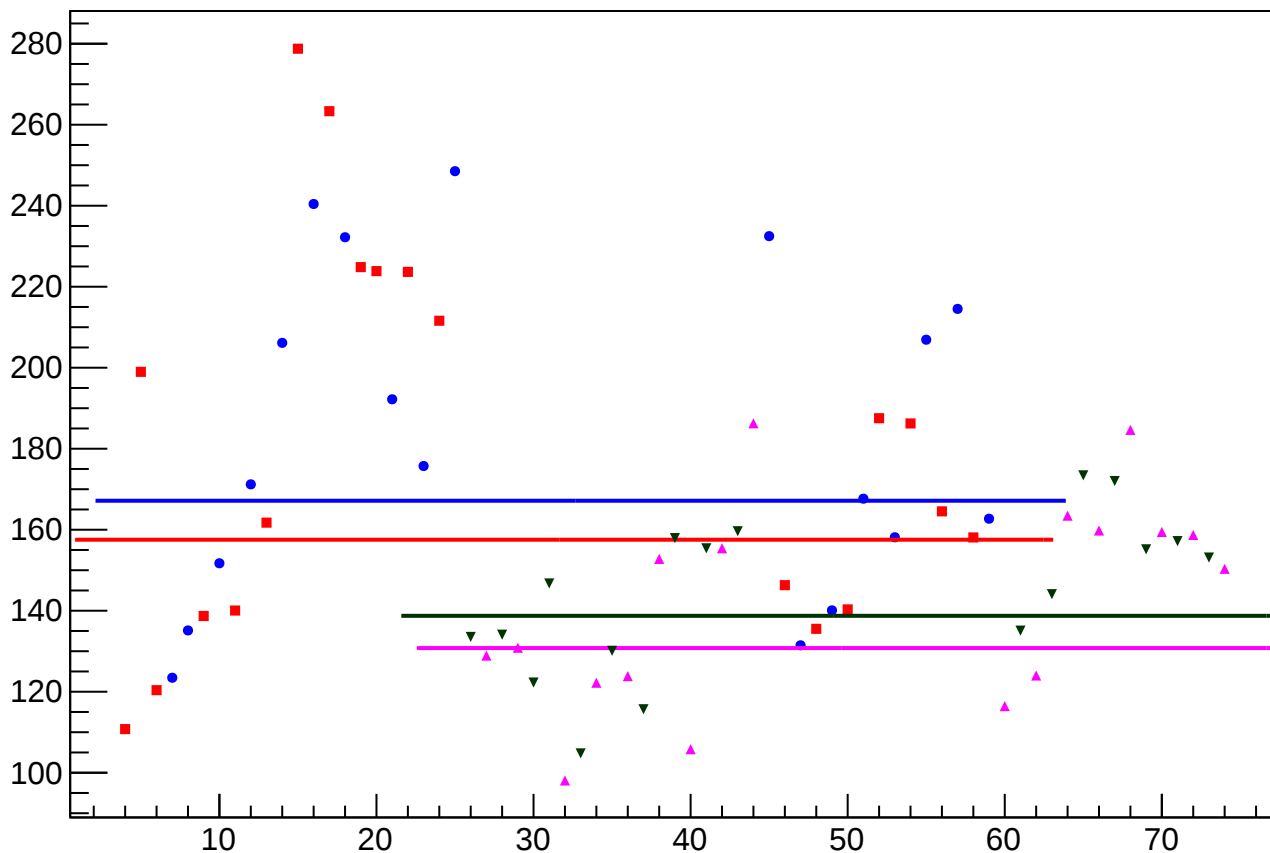
Right Out: 86.558 $\pm$ 52.059 χ^2 /NDF: 6.1/18

Left In: -32.725 $\pm$ 43.001 χ^2 /NDF: 3.2/16

32.633 $\pm$ 34.753 χ^2 /NDF: 12.7/34

15.653 $\pm$ 33.154 χ^2 /NDF: 12.4/35

asym_cav4cQ_rms vs slug



Right In: 167.159 ± 0.036 χ^2/NDF : 875808.6/17

Left Out: 138.744 ± 0.033 χ^2/NDF : 341923.9/16

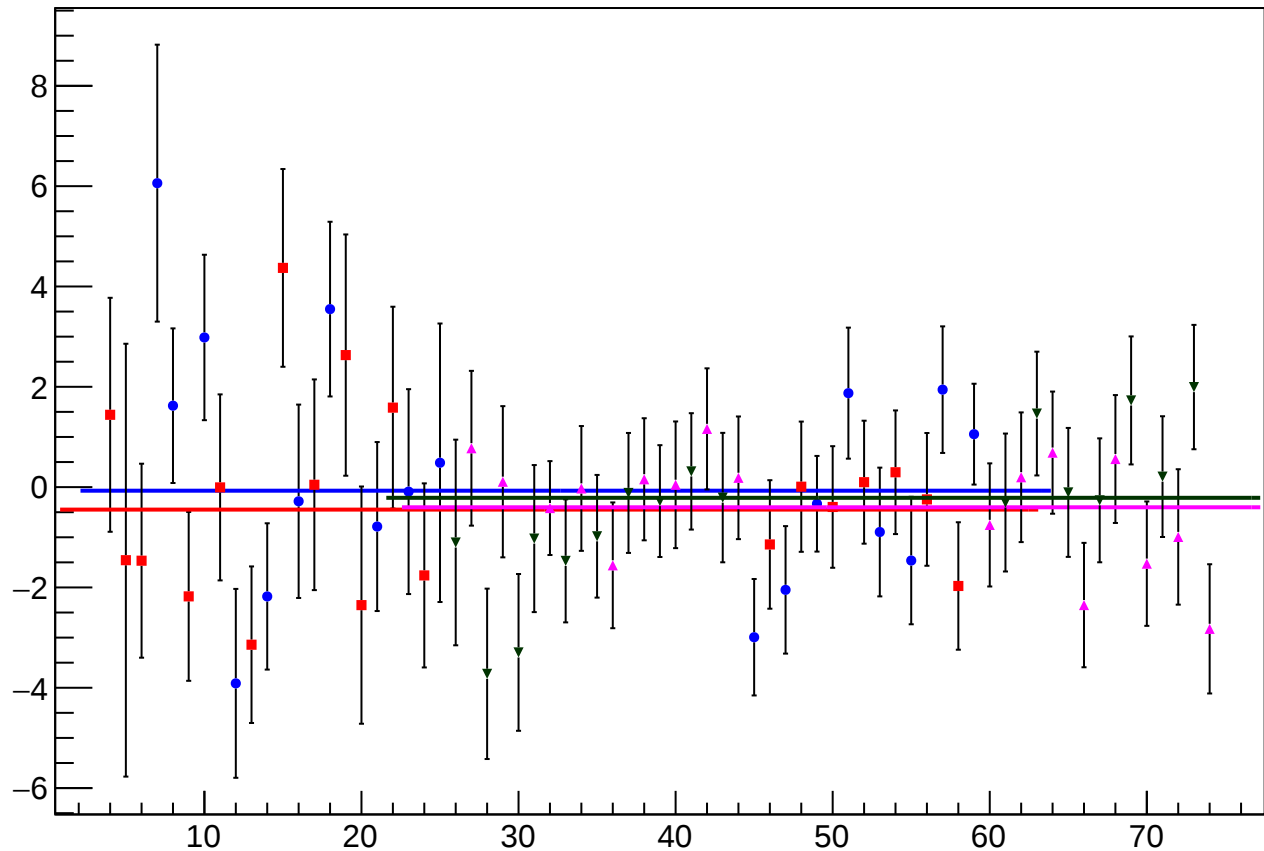
Right Out: 157.534 ± 0.037 χ^2/NDF : 1049684.2/18

Left In: 130.786 ± 0.030 χ^2/NDF : 653928.9/16

151.694 ± 0.025 χ^2/NDF : 1549369.5/34

141.634 ± 0.023 χ^2/NDF : 2017475.5/35

asym_cav4dQ_mean vs slug



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

Left Out: -0.213 ± 0.316 χ^2/NDF : 17.8/16

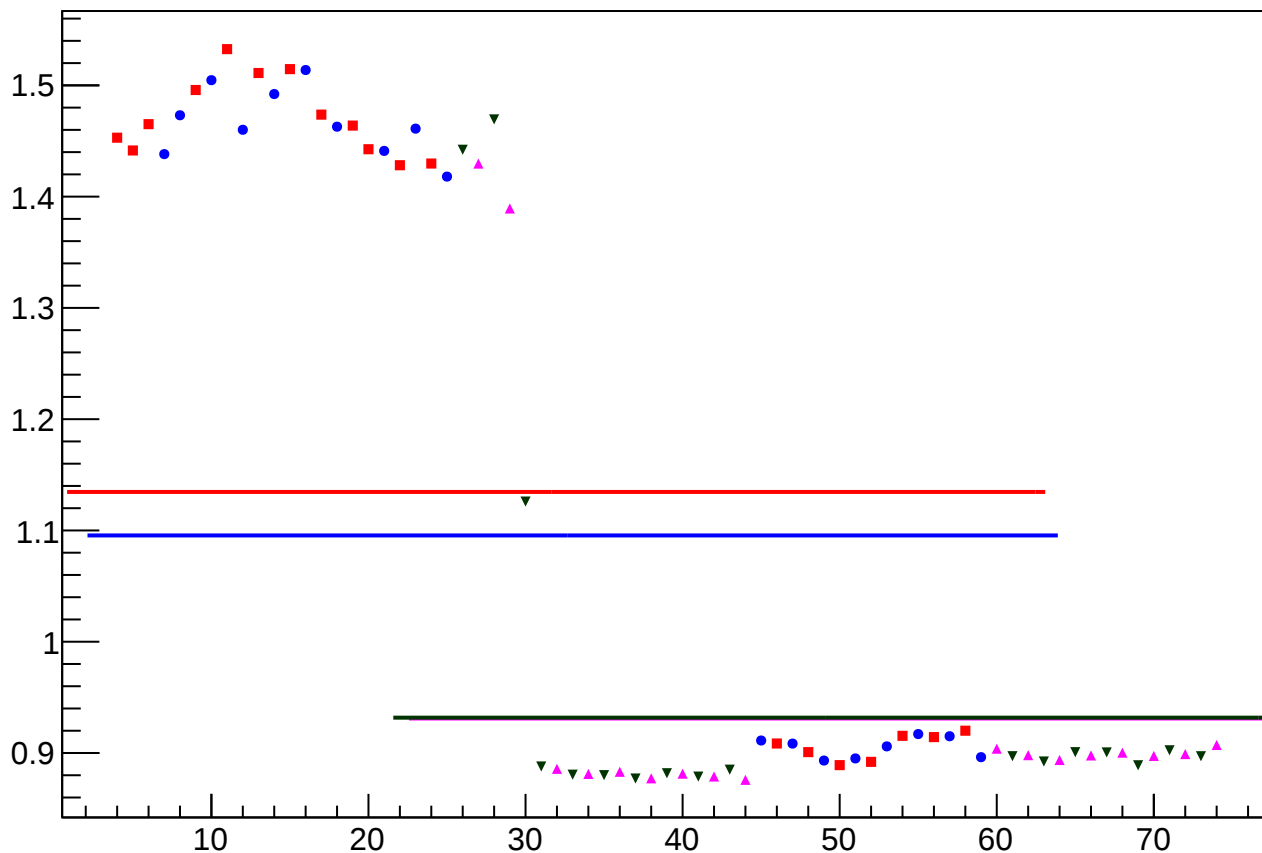
Right Out: -0.448 ± 0.369 χ^2/NDF : 17.4/18

Left In: -0.402 ± 0.302 χ^2/NDF : 12.6/16

-0.147 ± 0.230 χ^2/NDF : 54.7/34

-0.420 ± 0.234 χ^2/NDF : 30.0/35

asym_cav4dQ_rms vs slug



Right In: 1.096+/-0.000 χ^2/NDF : 1288766.9/17

Left Out: 0.932+/-0.000 χ^2/NDF : 389901.1/16

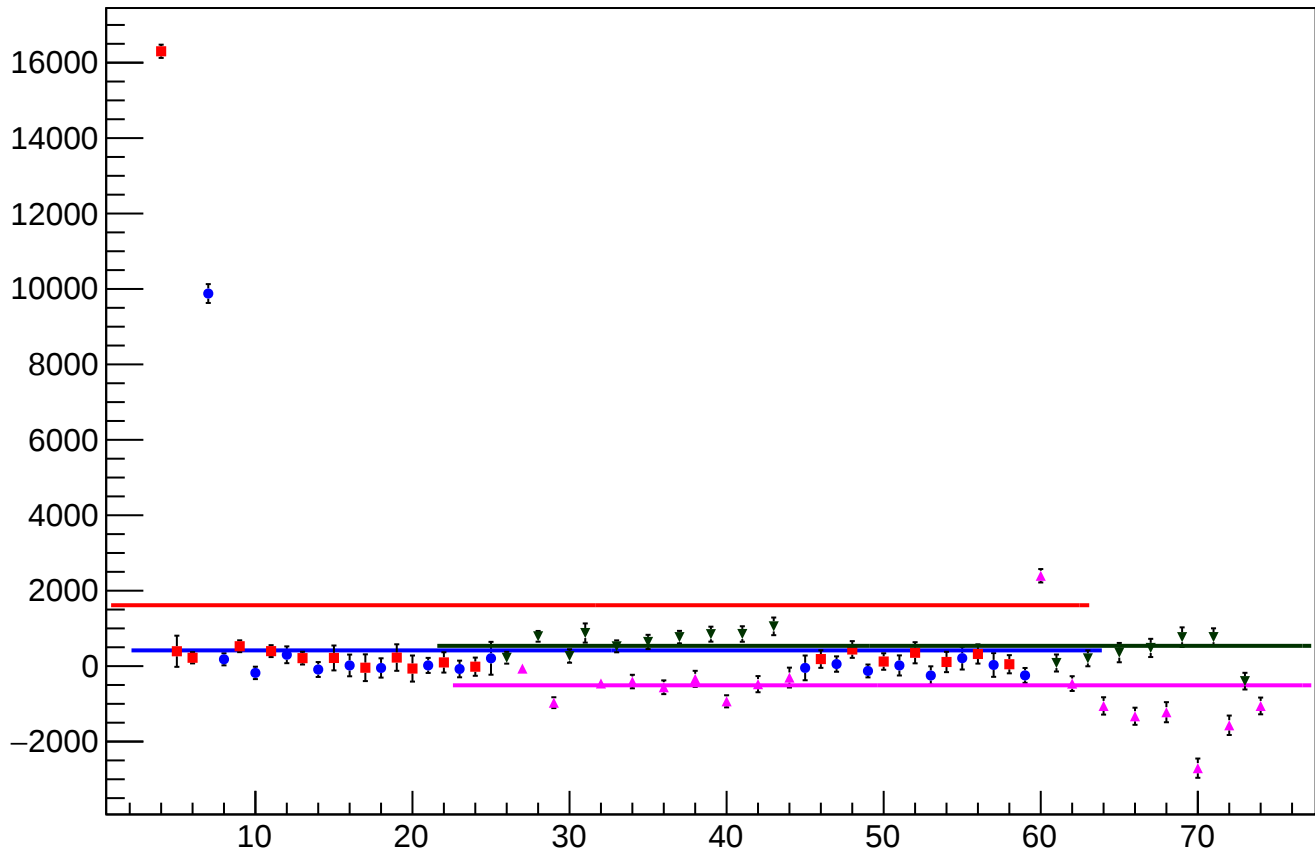
Right Out: 1.135+/-0.000 χ^2/NDF : 1161881.6/18

Left In: 0.931+/-0.000 χ^2/NDF : 429472.9/16

1.009+/-0.000 χ^2/NDF : 1931501.6/34

1.013+/-0.000 χ^2/NDF : 1955591.5/35

asym_bcm0l02_mean vs slug



Right In: 417.186+/-52.636 χ^2/NDF : 1507.9/17

Left Out: 537.772+/-47.836 χ^2/NDF : 50.0/16

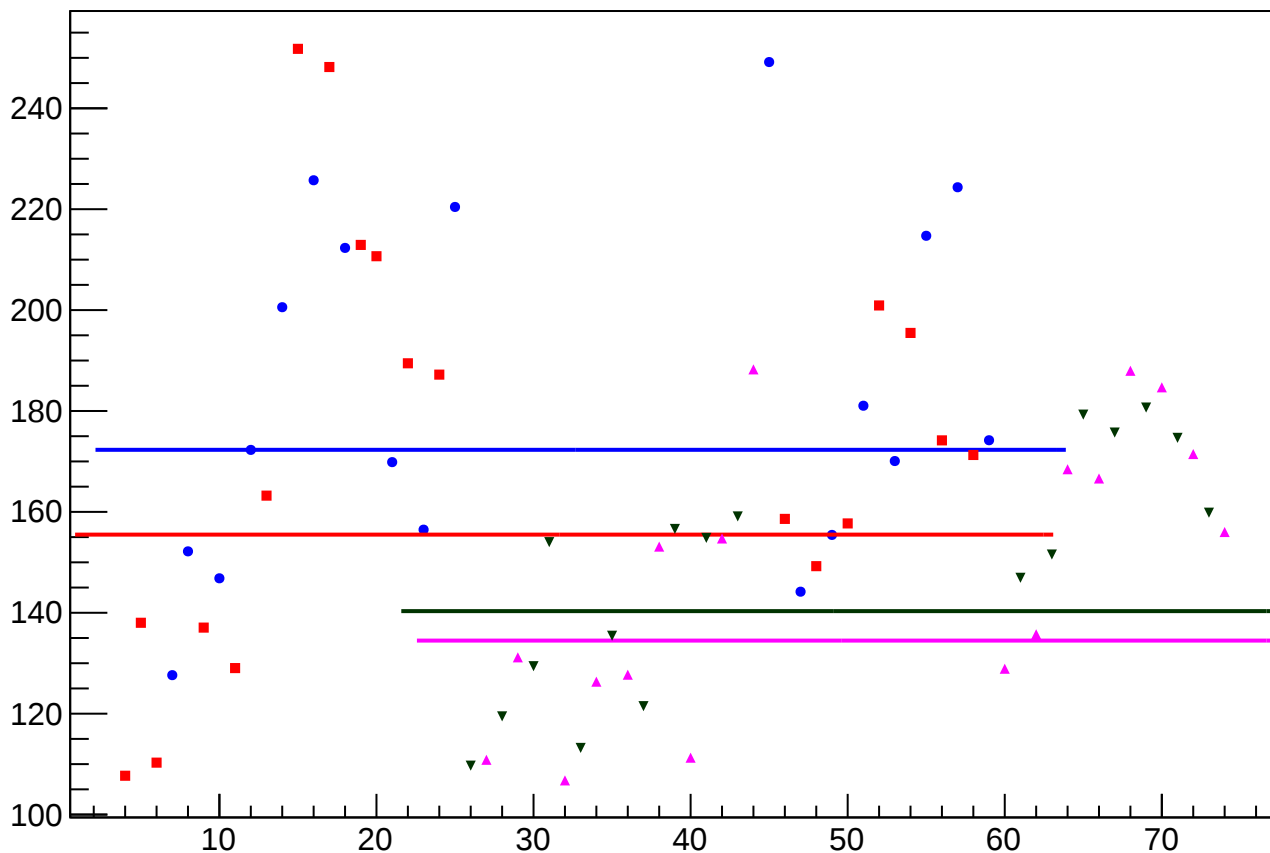
483.226+/-35.401 χ^2/NDF : 1560.8/34

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

398.555+/-33.429 χ^2/NDF : 9074.0/35

Left In: -508.723+/-44.173 χ^2/NDF : 421.5/16

asym_bcm0l02_rms vs slug



Right In: 172.303 ± 0.037 χ^2/NDF : 600813.3/17

Left Out: 140.328 ± 0.034 χ^2/NDF : 458924.5/16

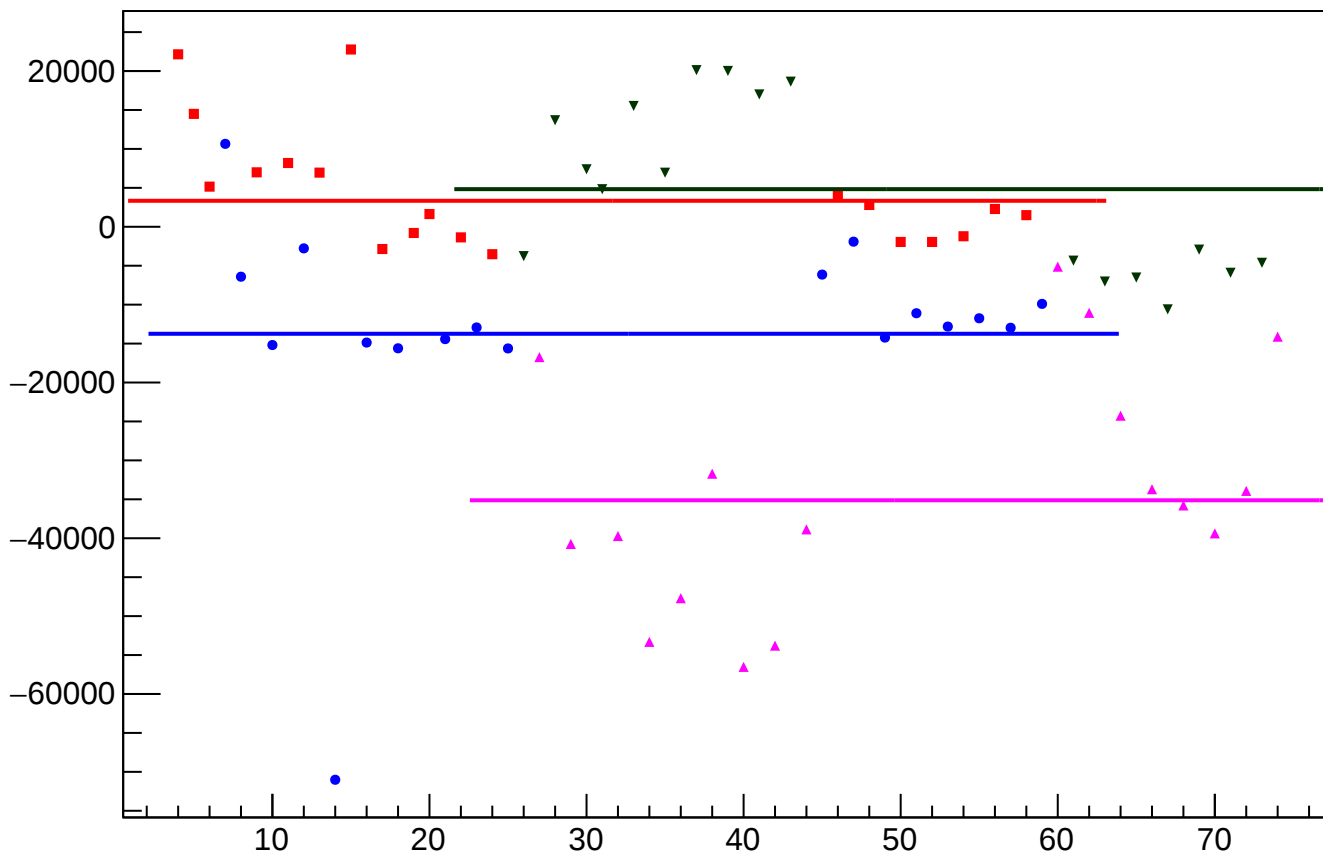
Right Out: 155.494 ± 0.036 χ^2/NDF : 1018742.9/18

Left In: 134.488 ± 0.031 χ^2/NDF : 664276.3/16

154.792 ± 0.025 χ^2/NDF : 1463955.9/34

143.464 ± 0.024 χ^2/NDF : 1876272.1/35

asym_bpm2i01WS_mean vs slug



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

Left Out: 4832.328+/-31.715 χ^2/NDF :124421.8/16

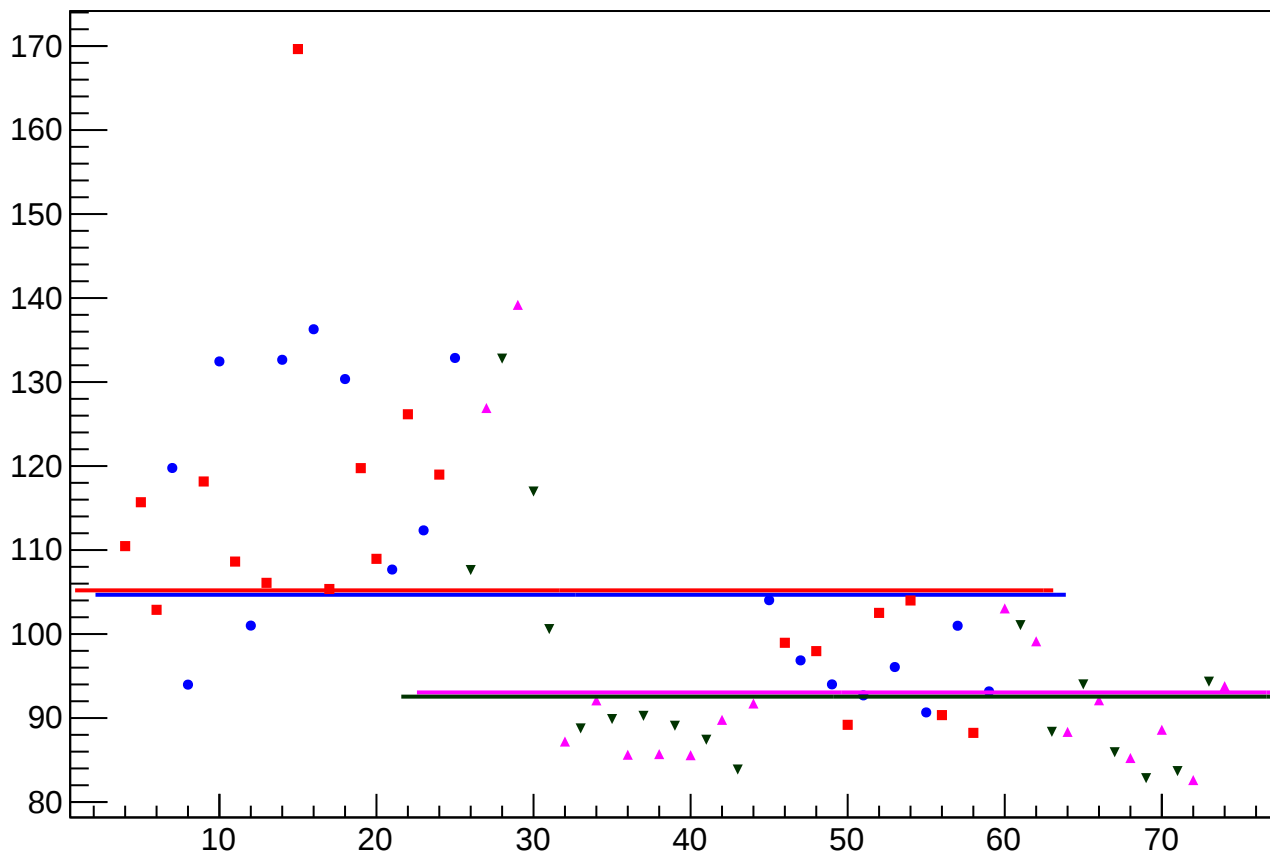
Right Out: 3338.926+/-34.258 χ^2/NDF : 31361.1/18

Left In: -35124.560+/-30.678 χ^2/NDF :207725.9/16

-4356.016+/-22.544 χ^2/NDF : 516291.4/34

-18006.632+/-22.854 χ^2/NDF : 938677.6/35

asym_bpm2i01WS_rms vs slug



Right In: 104.677 $\pm$ 0.023 χ^2 /NDF: 431749.6/17

Left Out: 92.549 $\pm$ 0.022 χ^2 /NDF: 250252.5/16

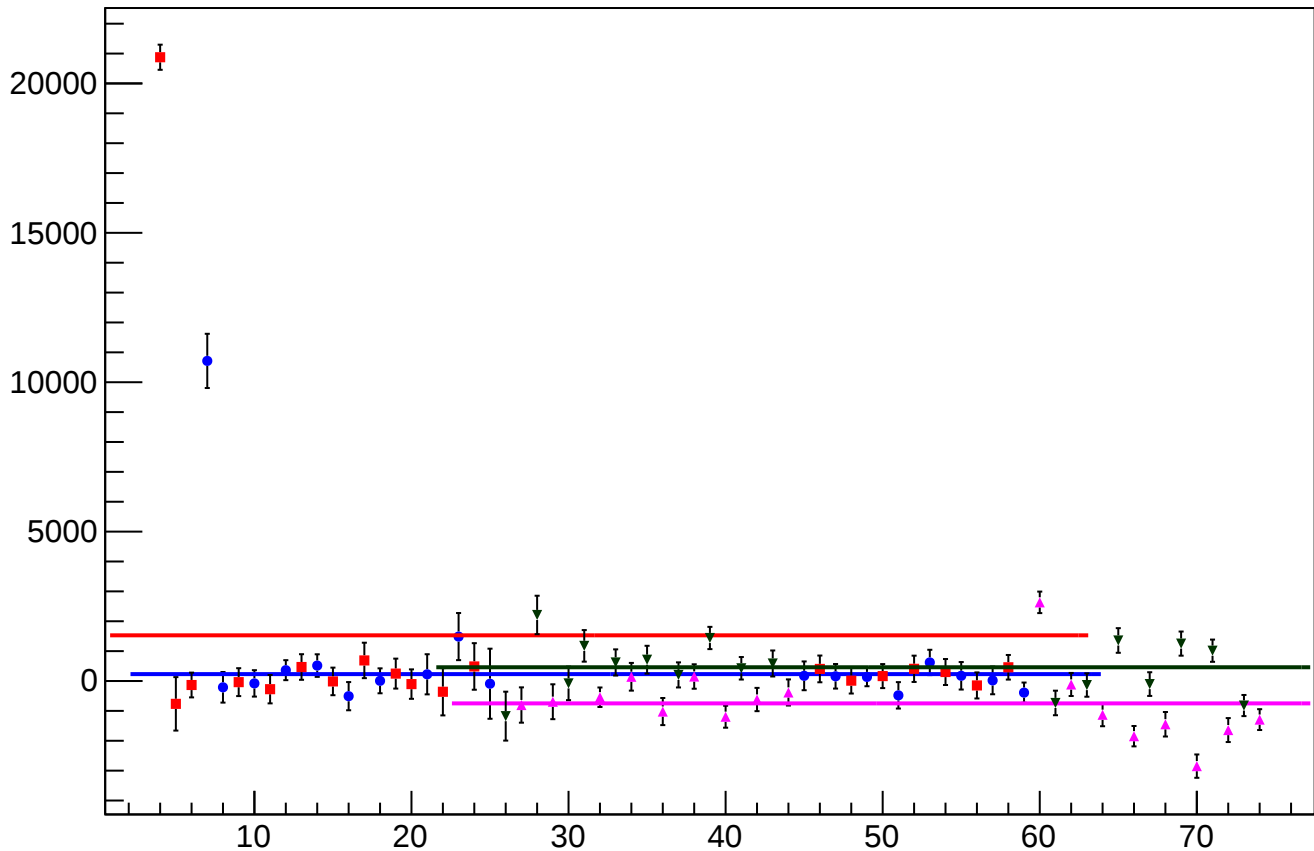
Right Out: 105.200 $\pm$ 0.024 χ^2 /NDF: 336723.5/18

Left In: 93.047 $\pm$ 0.022 χ^2 /NDF: 359682.1/16

98.548 $\pm$ 0.016 χ^2 /NDF: 826696.0/34

98.456 $\pm$ 0.016 χ^2 /NDF: 836099.4/35

asym_bpm0i07WS_mean vs slug



Right In: 230.965 $\pm$ 105.235 χ^2 /NDF: 148.0/17

Left Out: 460.242 $\pm$ 104.395 χ^2 /NDF: 58.7/16

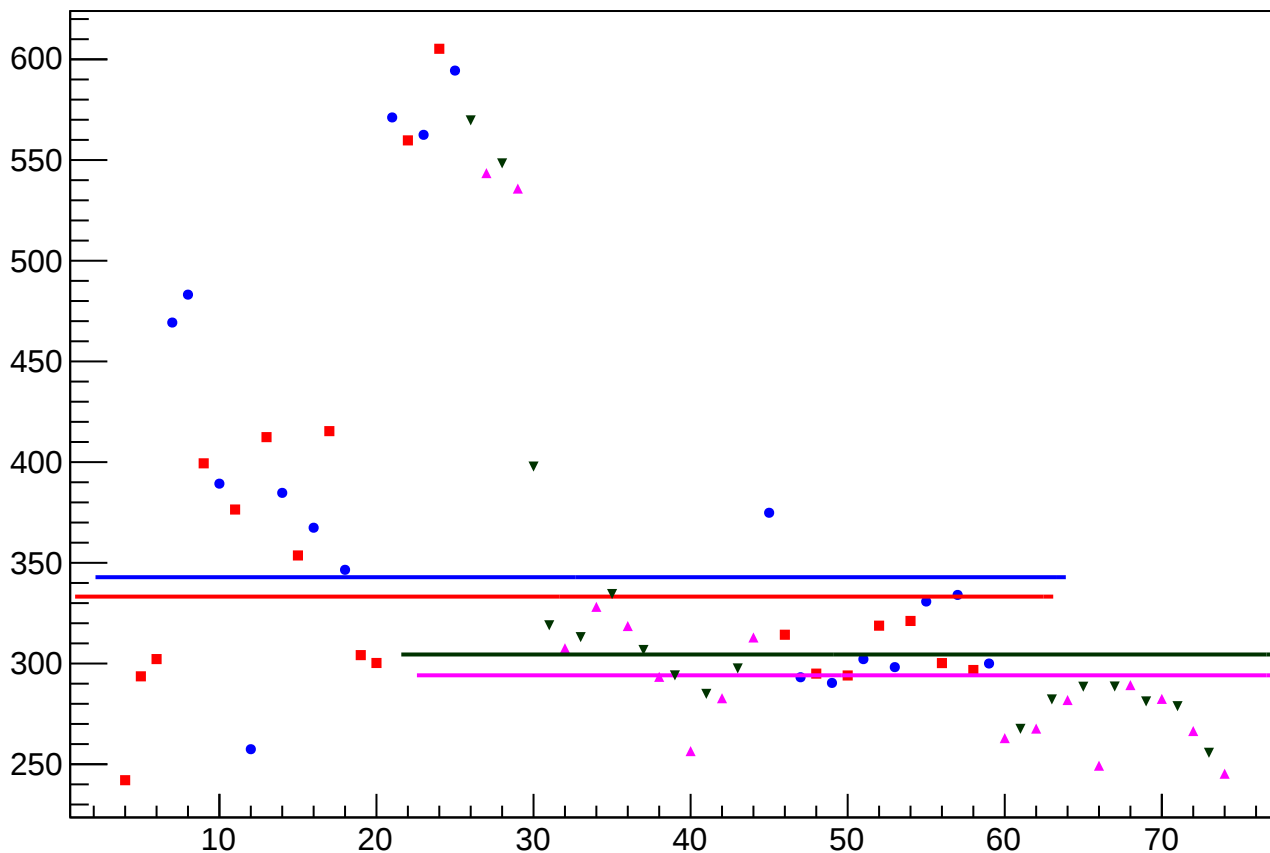
346.523 $\pm$ 74.114 χ^2 /NDF: 209.0/34

Right Out: 1529.045 $\pm$ 108.949 χ^2 /NDF: 2274.0/18

256.602 $\pm$ 72.382 χ^2 /NDF: 2671.3/35

Left In: -748.817 $\pm$ 96.845 χ^2 /NDF: 153.1/16

asym_bpm0i07WS_rms vs slug



Right In: 342.865 $\pm$ 0.074 χ^2 /NDF: 1018623.1/17

Left Out: 304.487 $\pm$ 0.074 χ^2 /NDF: 653217.0/16

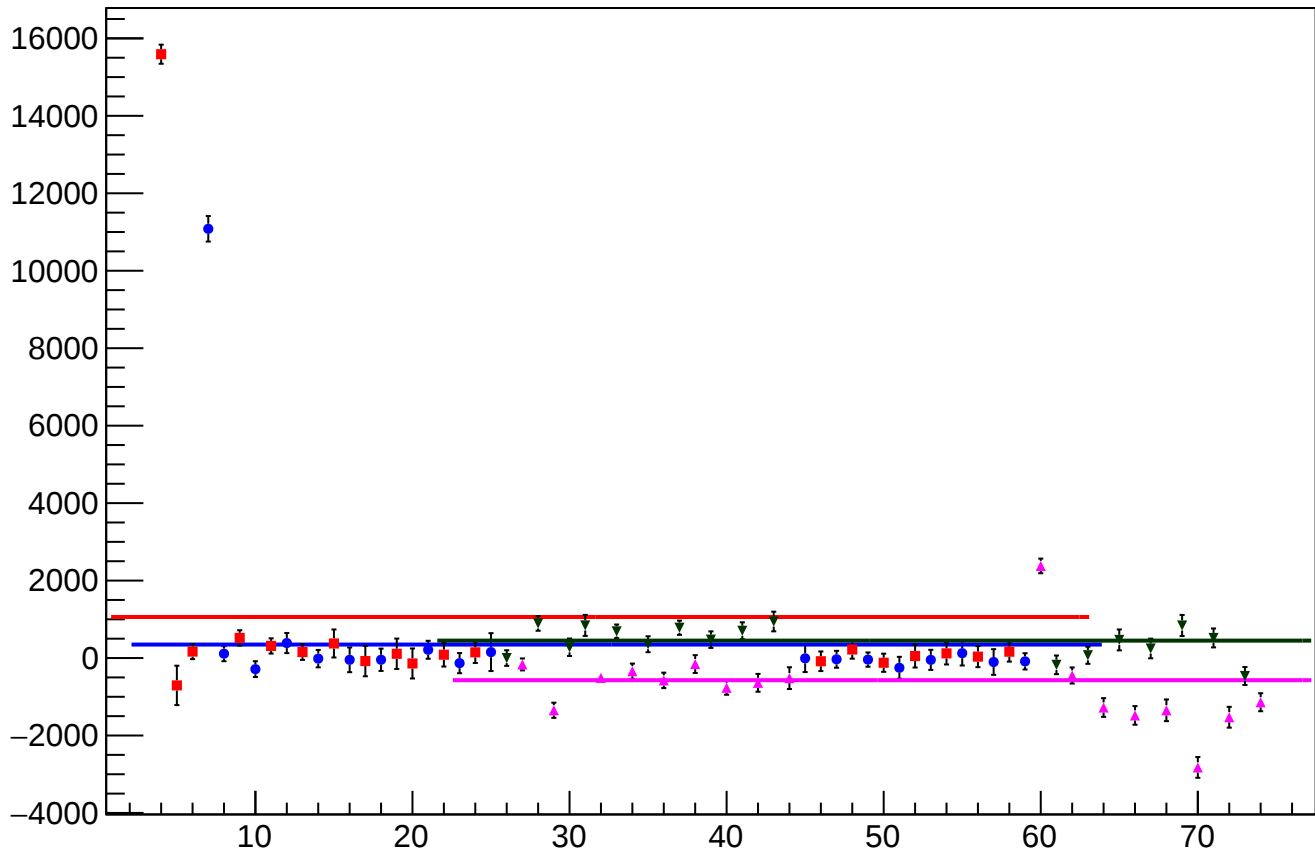
Right Out: 333.230 $\pm$ 0.077 χ^2 /NDF: 768934.3/18

Left In: 294.148 $\pm$ 0.068 χ^2 /NDF: 856944.7/16

323.522 $\pm$ 0.052 χ^2 /NDF: 1805901.8/34

311.398 $\pm$ 0.051 χ^2 /NDF: 1769646.0/35

asym_bpm0l01WS_mean vs slug



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

Left Out: 450.103 ± 53.851 χ^2/NDF : 51.6/16

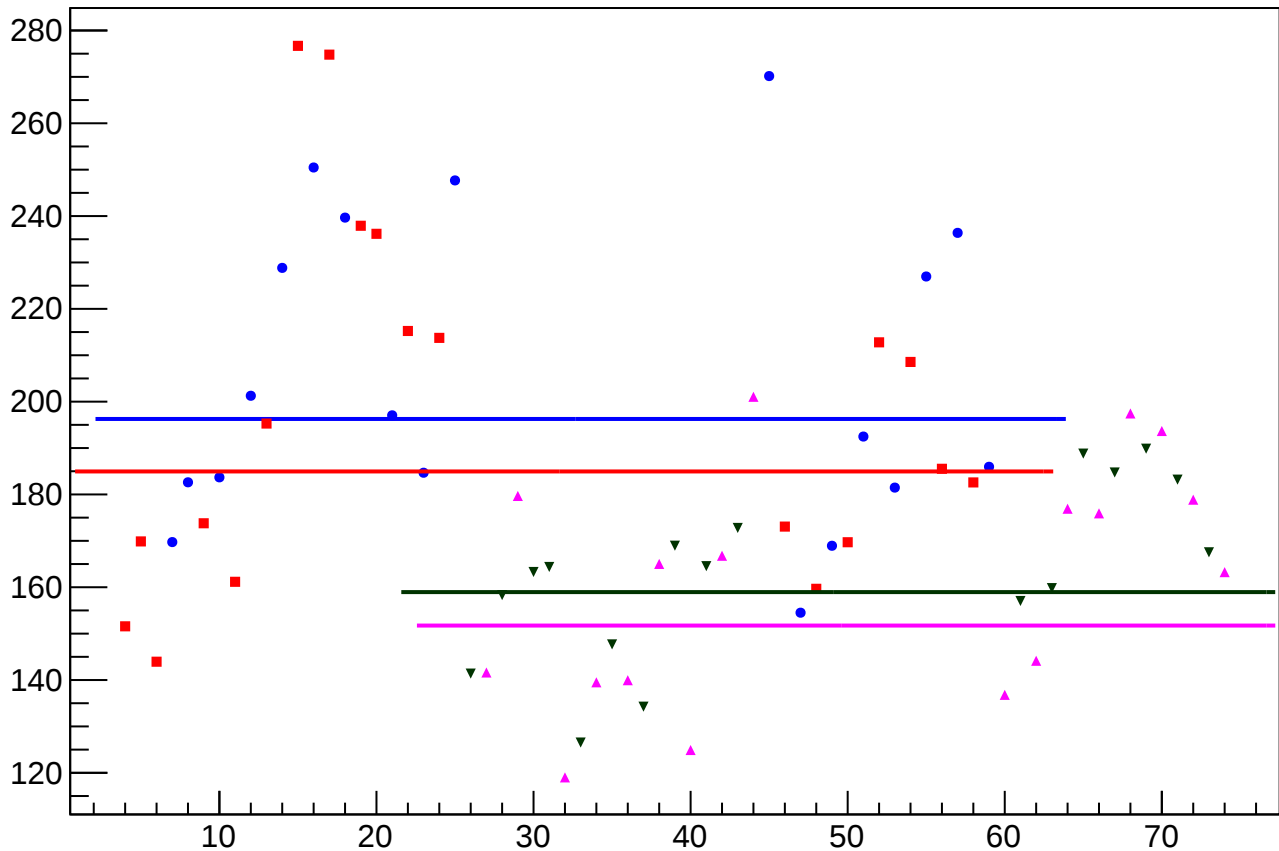
404.337 ± 39.970 χ^2/NDF : 1156.4/34

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

89.809 ± 38.222 χ^2/NDF : 4541.2/35

Left In: -571.489 ± 49.565 χ^2/NDF : 393.3/16

asym_bpm0l01WS_rms vs slug



Right In: 196.269 $\pm$ 0.042 χ^2/NDF : 466122.9/17

Left Out: 158.952 $\pm$ 0.038 χ^2/NDF : 231029.7/16

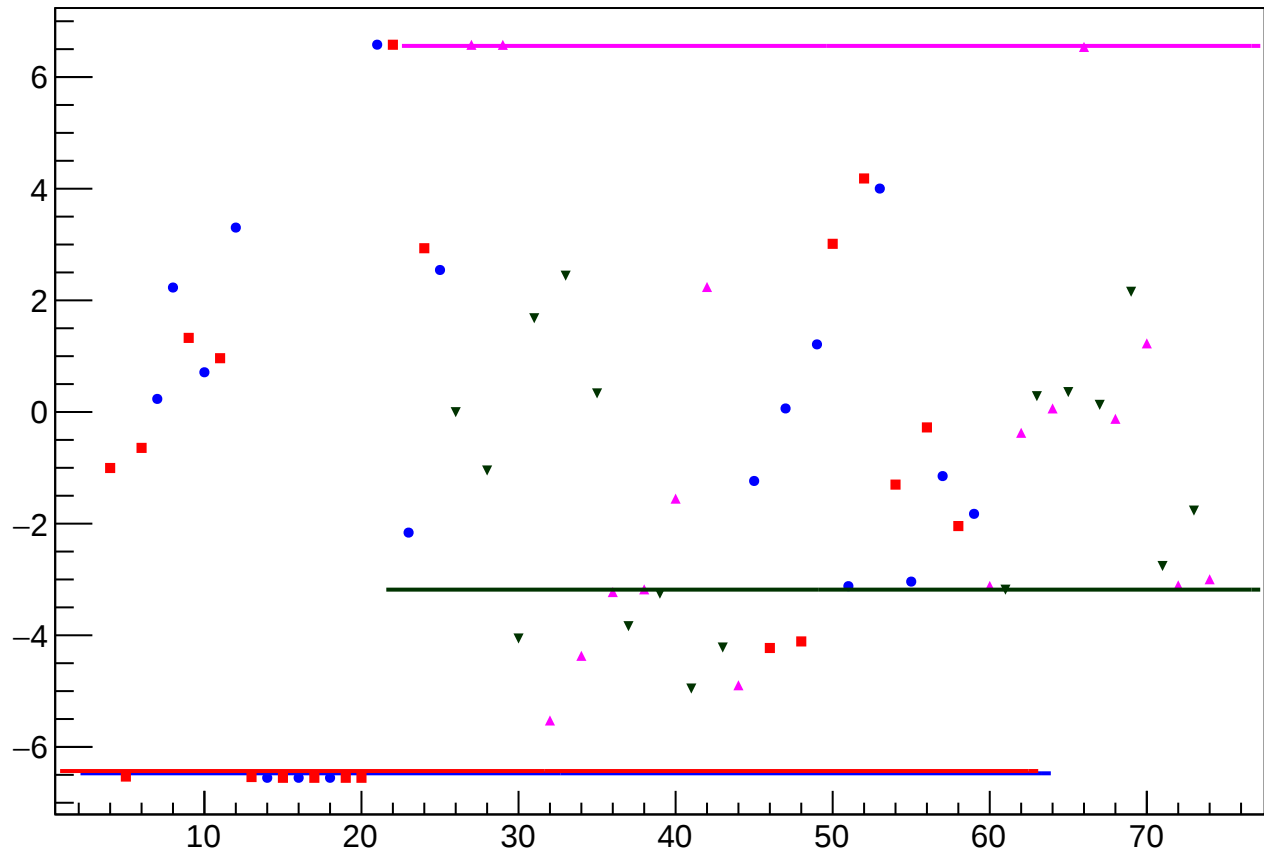
Right Out: 184.956 $\pm$ 0.042 χ^2/NDF : 580645.4/18

Left In: 151.741 $\pm$ 0.035 χ^2/NDF : 503576.4/16

175.711 $\pm$ 0.028 χ^2/NDF : 1128449.5/34

165.205 $\pm$ 0.027 χ^2/NDF : 1448282.9/35

yield_cav4bX_mean vs slug



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

-6.473+/-0.000 χ^2/NDF : 127848000815577.8/3

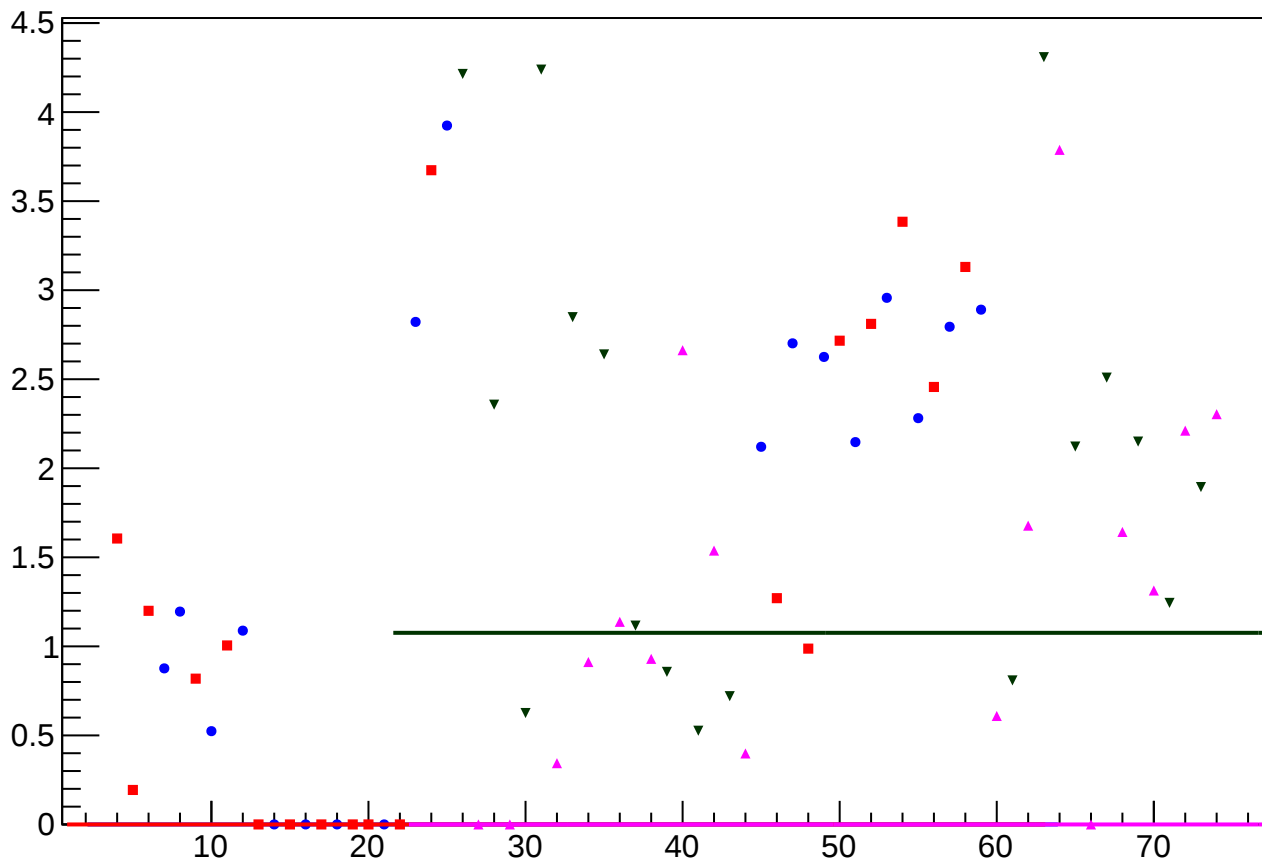
Left Out: -3.182+/-0.001 χ^2/NDF : 11555004.6/16

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

-6.196+/-0.000 χ^2/NDF : 446402692566505.3/3

Left In: 6.558+/-0.000 χ^2/NDF : 1576753586.9/16

yield_cav4bX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 11913804.6/17

Left Out: 1.076+/-0.000 χ^2/NDF : 4129886.6/16

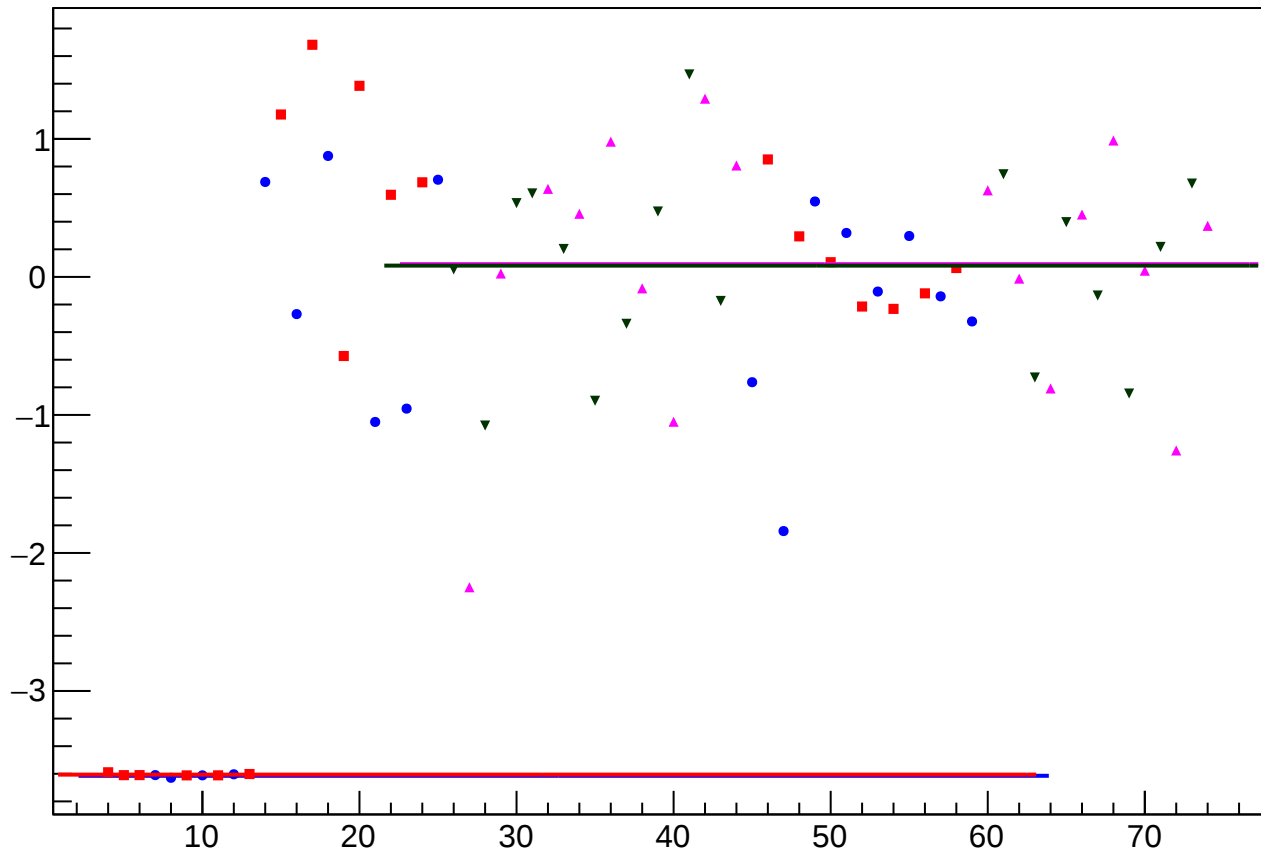
Right Out: 0.000+/-0.000 χ^2/NDF : 9626570.5/18

Left In: 0.000+/-0.000 χ^2/NDF : 10388071.7/16

0.000+/-0.000 χ^2/NDF : 24583553.3/34

0.000+/-0.000 χ^2/NDF : 20014710.9/35

yield_cav4bY_mean vs slug



Right In: -3.614+/-0.000 χ^2/NDF : 49086055221.8/17

Left Out: 0.082+/-0.000 χ^2/NDF :10509613.6/16

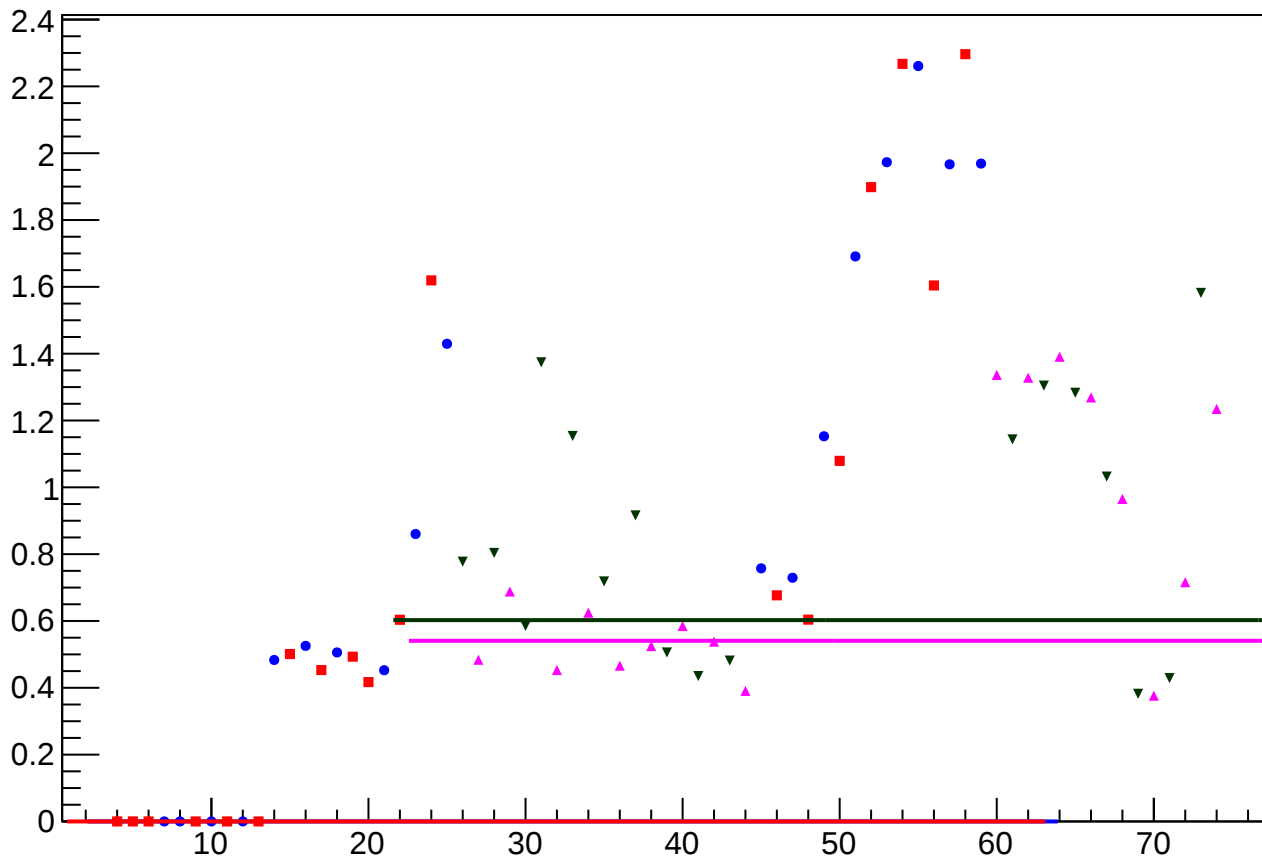
-3.614+/-0.000 χ^2/NDF : 49309700801.9/34

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

-3.606+/-0.000 χ^2/NDF : 38112700587.8/35

Left In: 0.093+/-0.000 χ^2/NDF :21863211.1/16

yield_cav4bY_rms vs slug



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

Left Out: 0.603+/-0.000 χ^2/NDF :2411606.2/16

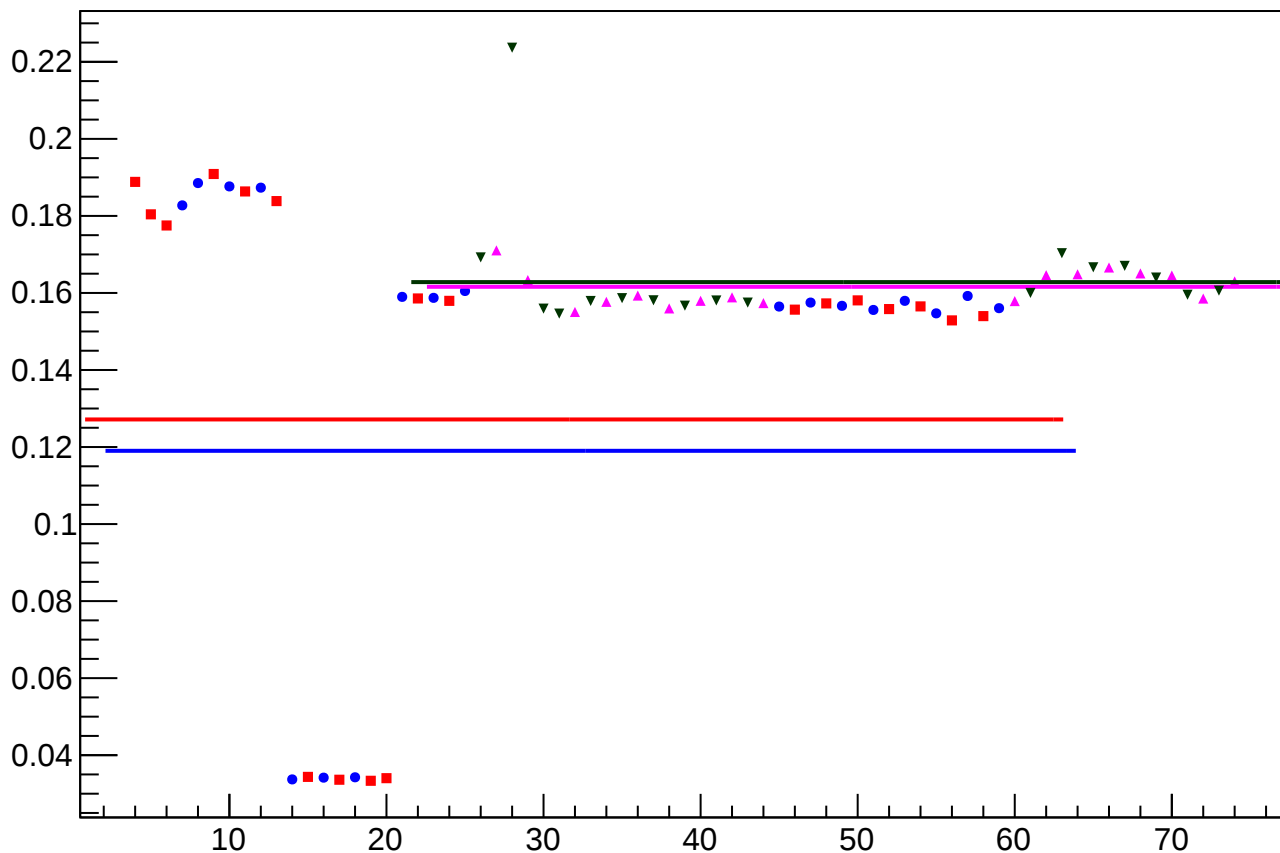
Right Out: 0.000+/-0.000 χ^2/NDF : 10531530.4/18

Left In: 0.541+/-0.000 χ^2/NDF :2300161.0/16

0.000+/-0.000 χ^2/NDF : 27517245.9/34

0.000+/-0.000 χ^2/NDF : 25565489.8/35

yield_cav4cX_mean vs slug



Right In: 0.119 $\pm$ 0.000 χ^2 /NDF: 4974475463.8/17

Left Out: 0.163 $\pm$ 0.000 χ^2 /NDF:103023554.2/16

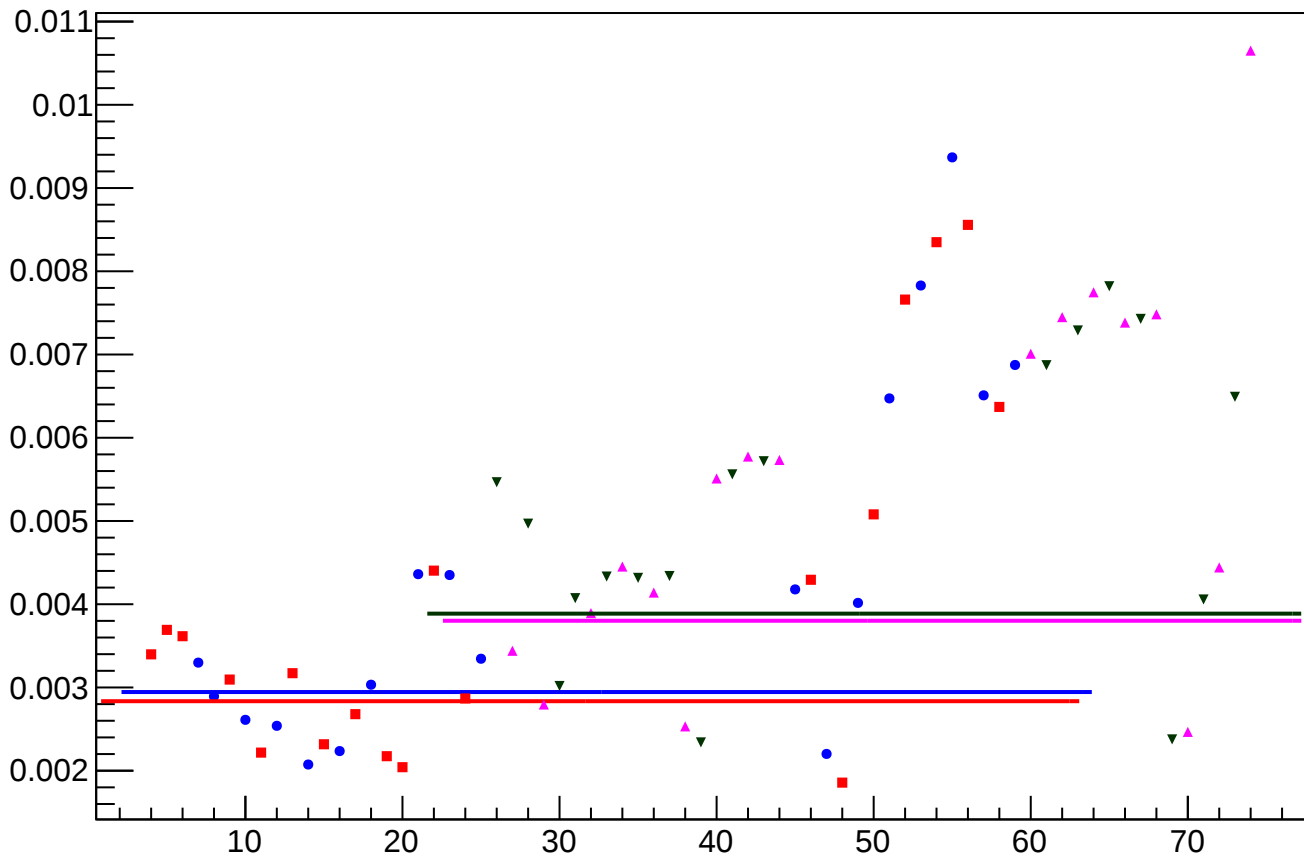
Right Out: 0.127 $\pm$ 0.000 χ^2 /NDF: 4426693928.8/18

Left In: 0.162 $\pm$ 0.000 χ^2 /NDF:13422816.2/16

0.133 $\pm$ 0.000 χ^2 /NDF: 5712989441.6/34

0.139 $\pm$ 0.000 χ^2 /NDF: 4855875250.1/35

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 :2267586.6/16

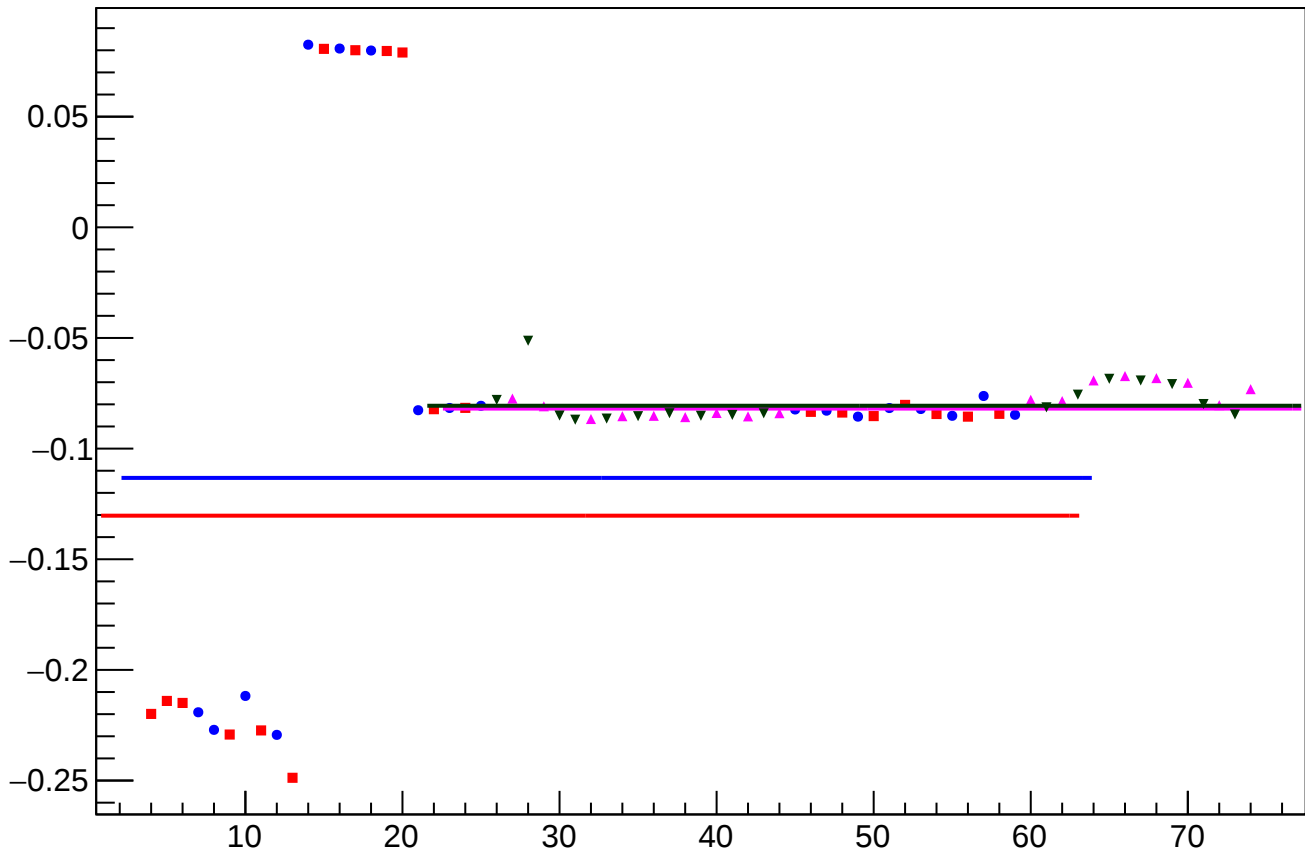
Right Out: 0.003+/-0.000 χ^2/NDF : 2697291.9/18

Left In: 0.004+/-0.000 χ^2/NDF :2628754.5/16

0.003+/-0.000 χ^2/NDF : 5840520.2/34

0.003+/-0.000 χ^2/NDF : 5980970.0/35

yield_cav4cY_mean vs slug



Right In: -0.113 ± 0.000 χ^2/NDF : 9694608559.9/17

Left Out: -0.081 ± 0.000 χ^2/NDF : 41713181.2/16

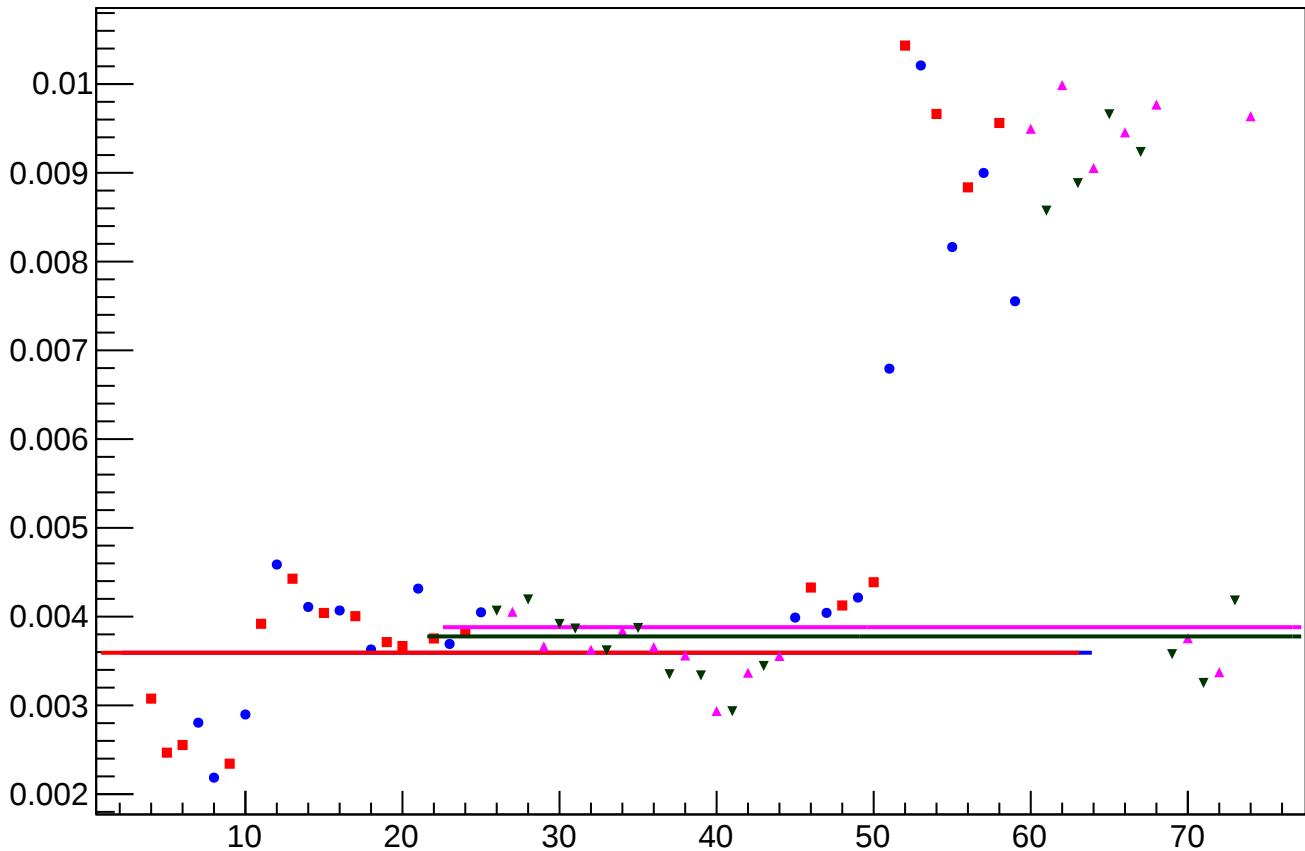
-0.099 ± 0.000 χ^2/NDF : 10062234141.6/34

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

-0.108 ± 0.000 χ^2/NDF : 9555437592.0/35

Left In: -0.082 ± 0.000 χ^2/NDF : 13348614.6/16

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 :1356337.8/16

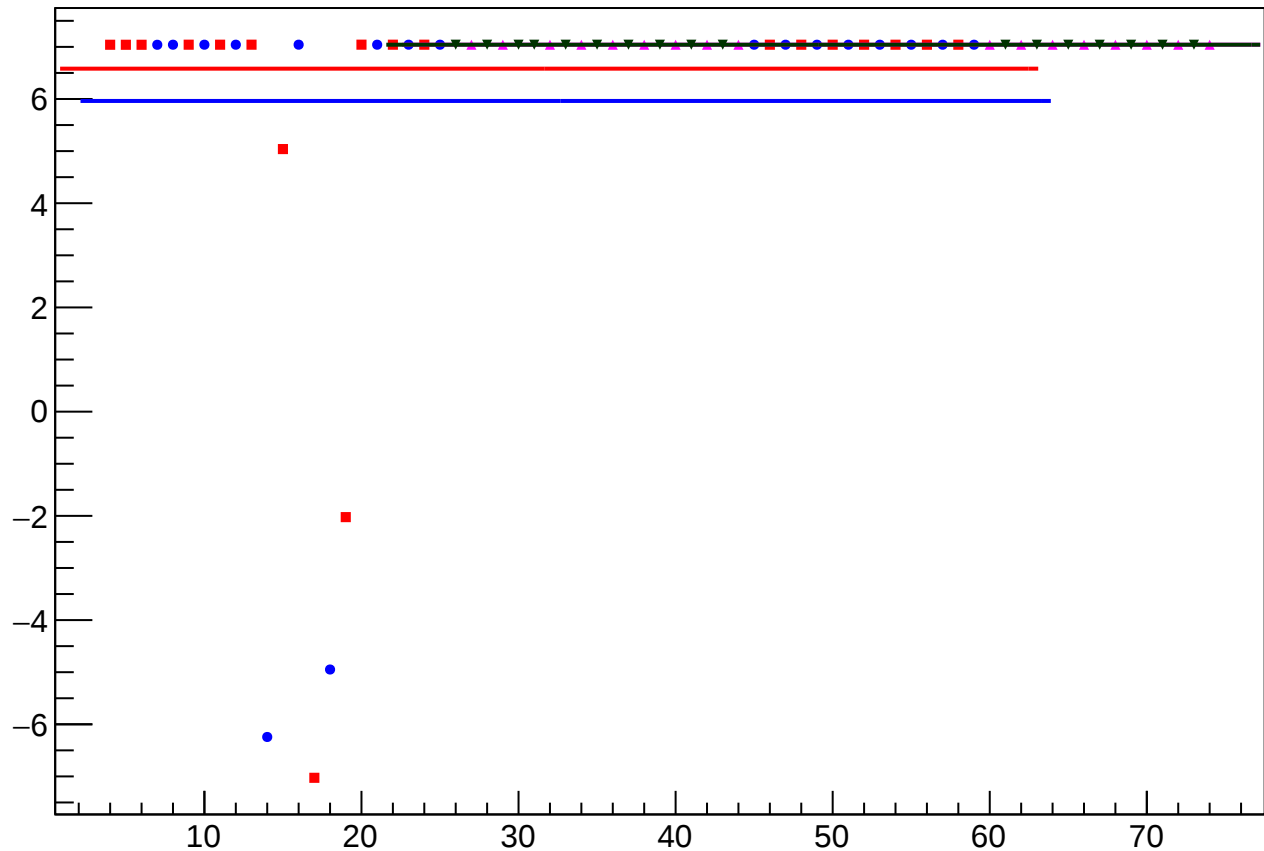
Right Out: 0.004+/-0.000 χ^2/NDF : 2225355.5/18

Left In: 0.004+/-0.000 χ^2/NDF :1948711.5/16

0.004+/-0.000 χ^2/NDF : 4013348.8/34

0.004+/-0.000 χ^2/NDF : 4221892.6/35

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 : 10374028.1/16

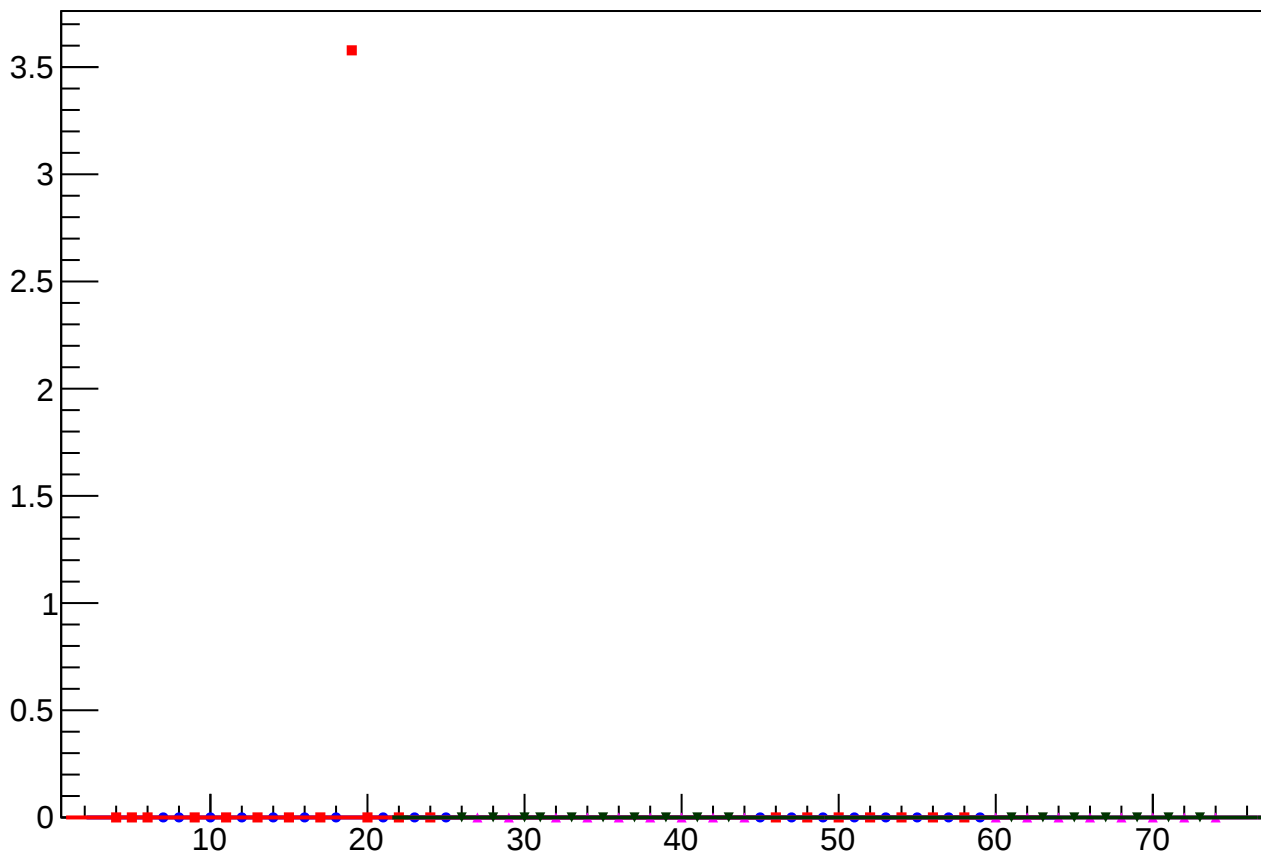
Right Out: 6.582 $\pm$ 0.000 χ^2/NDF : 1856853993700647.2/18

Left In: 7.042 $\pm$ 0.000 χ^2/NDF : 10418430.5/16

6.486 $\pm$ 0.000 χ^2/NDF : 4818087172816887.0/3

6.833 $\pm$ 0.000 χ^2/NDF : 1892119230287039.5/3

yield_cav4dX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 4282.3/17

Left Out: 0.000+/-0.000 χ^2/NDF :1798.7/16

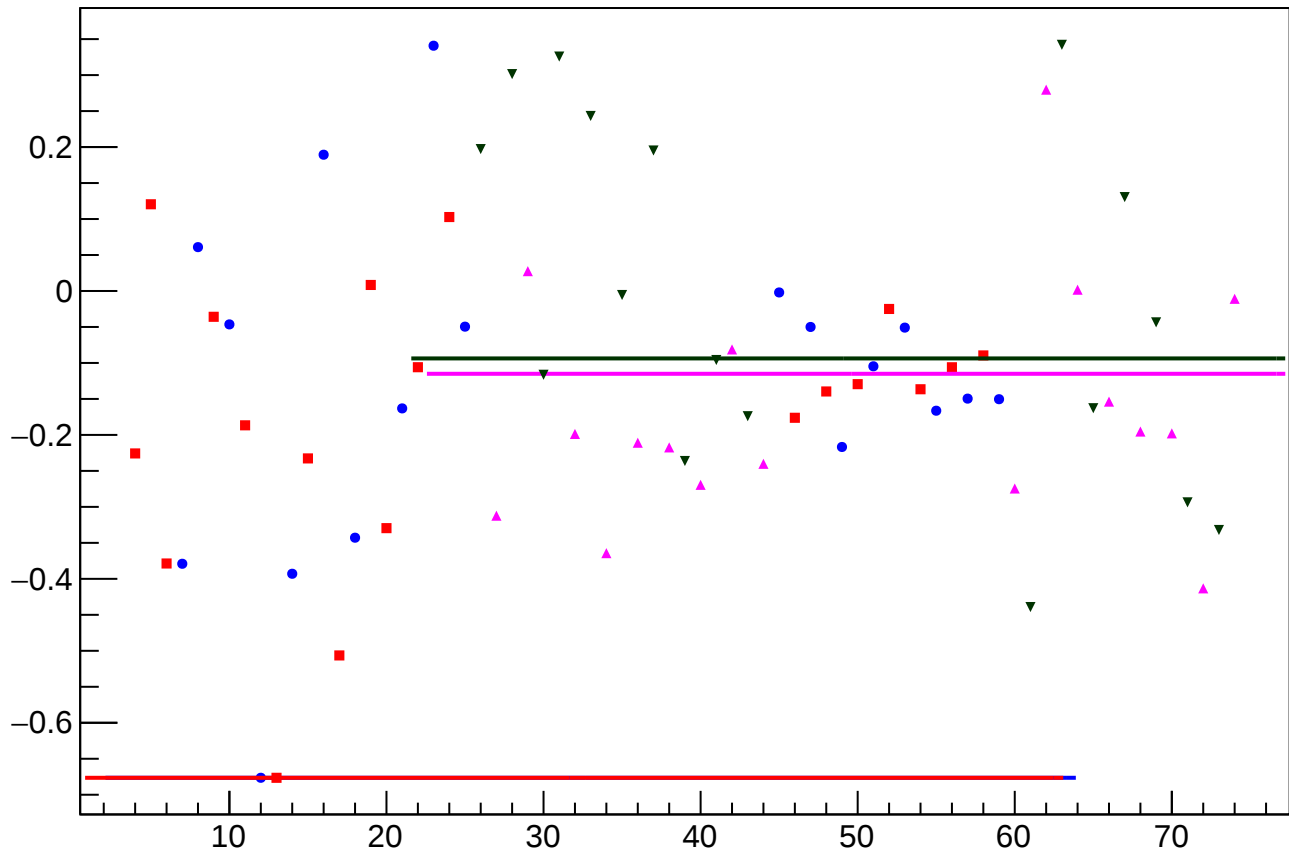
Right Out: 0.000+/-0.000 χ^2/NDF : 697661.6/18

Left In: 0.000+/-0.000 χ^2/NDF :2298.7/16

0.000+/-0.000 χ^2/NDF : 7890.2/34

0.000+/-0.000 χ^2/NDF : 703092.1/35

yield_cav4dY_mean vs slug



Right In: -0.676+/-0.000 χ^2/NDF : 266364367.2/17

Left Out: -0.094+/-0.000 χ^2/NDF : 35952643.3/16

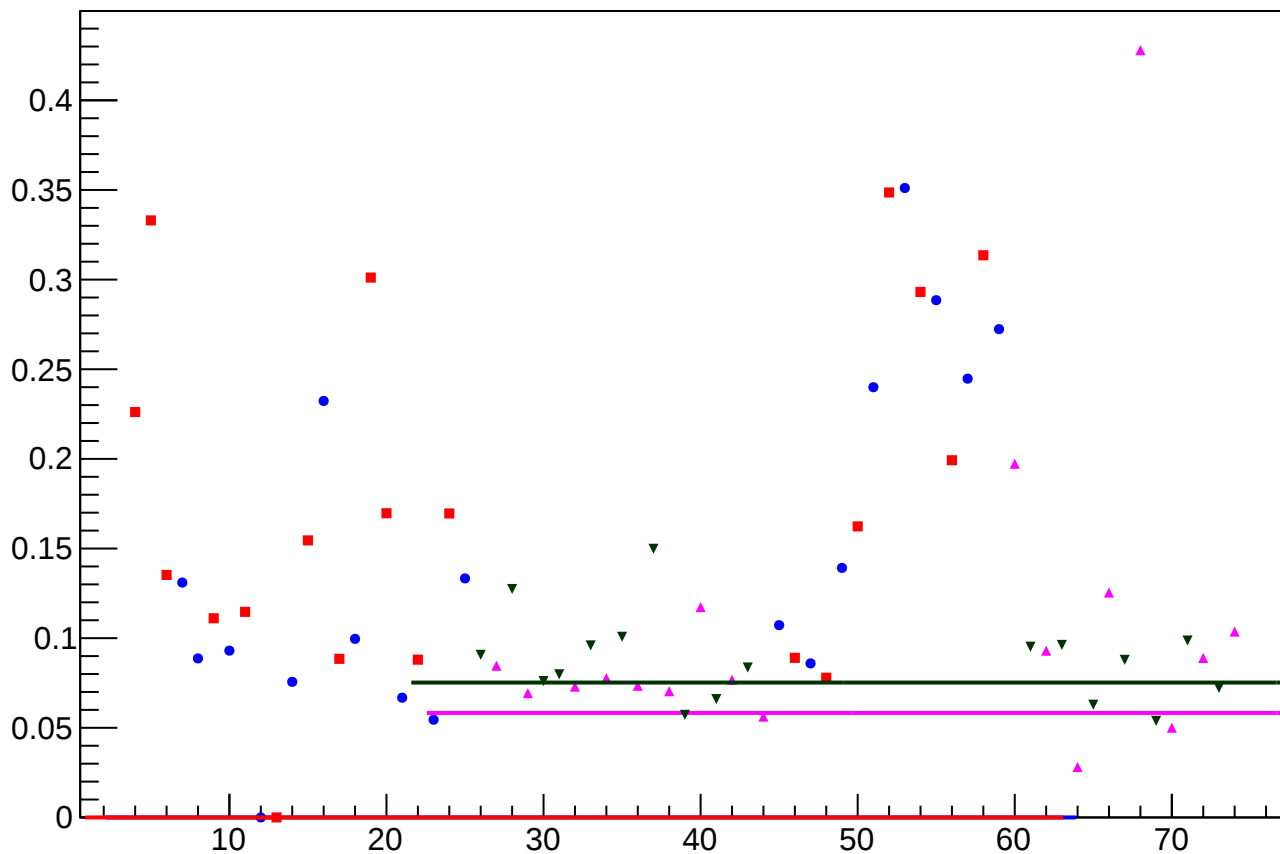
Right Out: -0.676+/-0.000 χ^2/NDF : 102004552.0/18

Left In: -0.115+/-0.000 χ^2/NDF : 29304651.9/16

-0.676+/-0.000 χ^2/NDF : 603508074.8/34

-0.676+/-0.000 χ^2/NDF : 610825762.1/35

yield_cav4dY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 16187995.6/17

Left Out: 0.075+/-0.000 χ^2/NDF : 699776.2/16

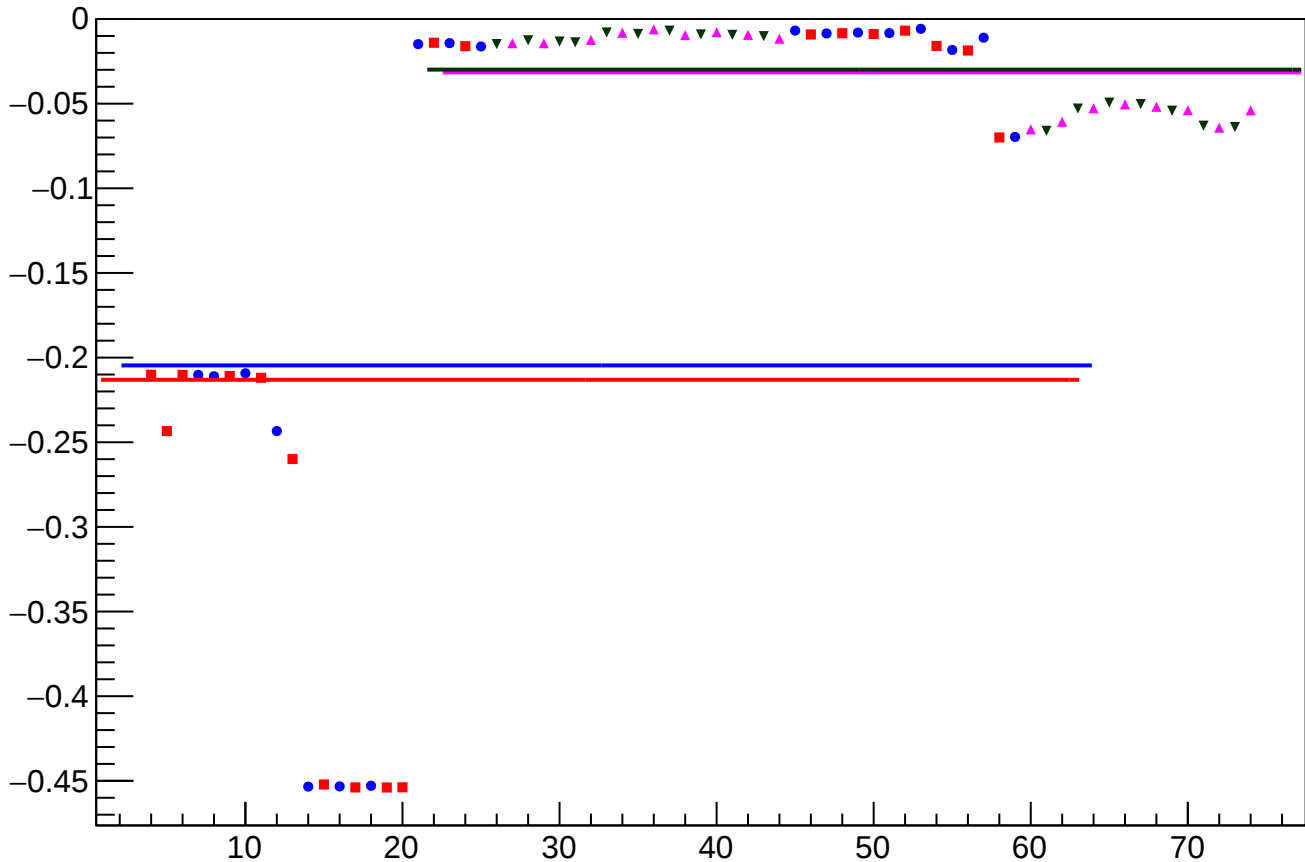
Right Out: 0.000+/-0.000 χ^2/NDF : 13760955.7/18

Left In: 0.058+/-0.000 χ^2/NDF : 3026253.8/16

0.000+/-0.000 χ^2/NDF : 26928394.2/34

0.000+/-0.000 χ^2/NDF : 27125511.8/35

yield_bpm4aX_mean vs slug



Right In: -0.205+/-0.000 χ^2/NDF : 5539981697.6/17

Left Out: -0.030+/-0.000 χ^2/NDF : 53661822.0/16

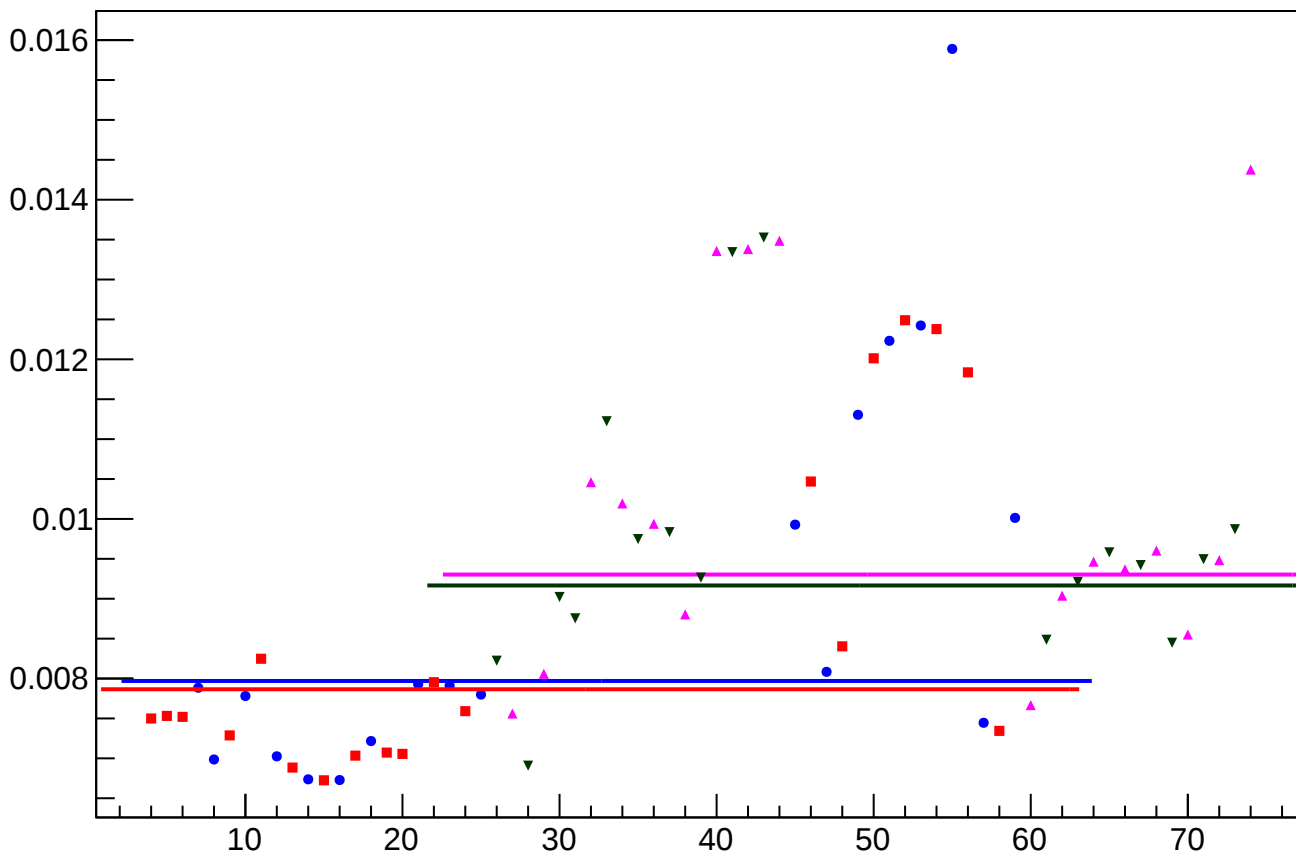
-0.139+/-0.000 χ^2/NDF : 7521345408.6/34

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

-0.139+/-0.000 χ^2/NDF : 6268898271.2/35

Left In: -0.032+/-0.000 χ^2/NDF : 56110217.1/16

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 : 431936.9/16

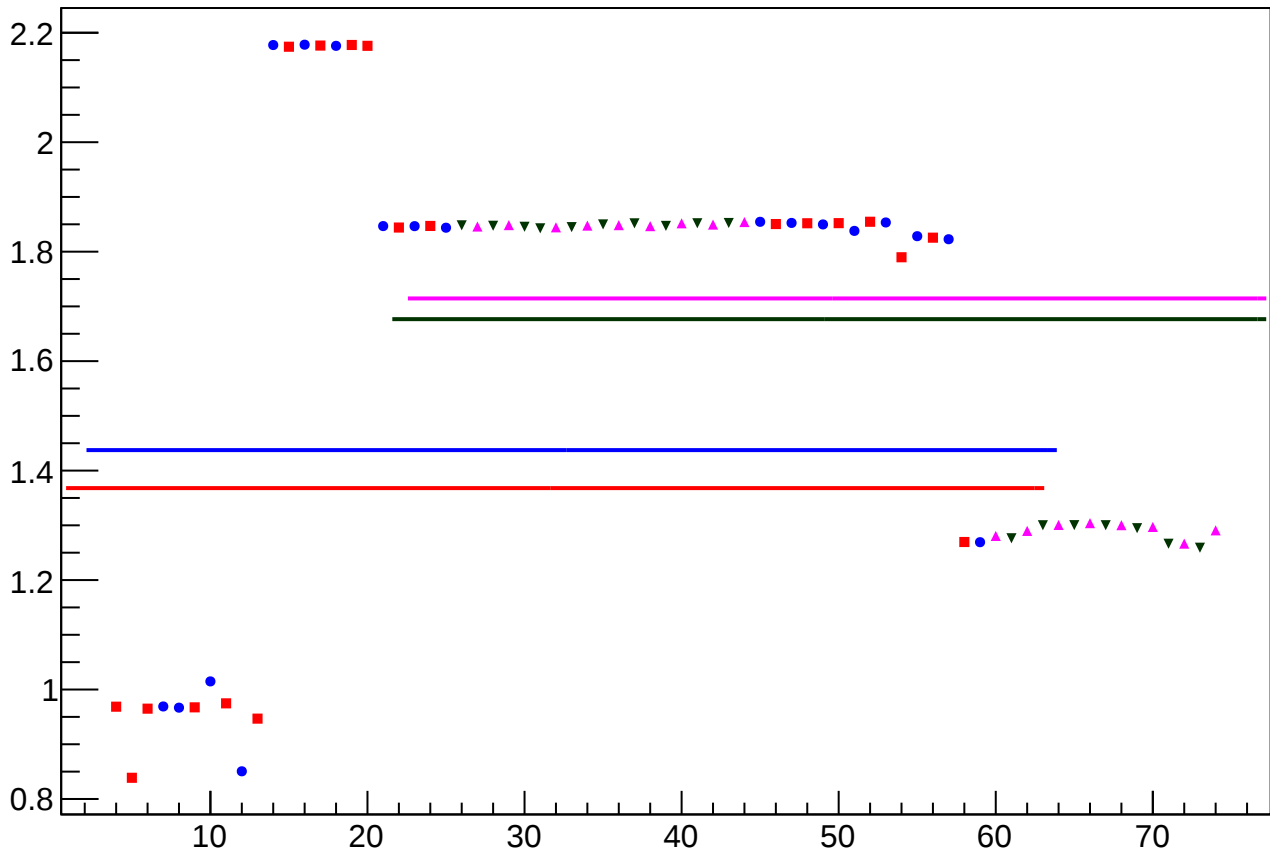
Right Out: 0.008+/-0.000 χ^2/NDF : 696189.4/18

Left In: 0.009+/-0.000 χ^2/NDF : 617940.3/16

0.008+/-0.000 χ^2/NDF : 1556549.9/34

0.008+/-0.000 χ^2/NDF : 1573644.0/35

yield_bpm4aY_mean vs slug



Right In: 1.437+/-0.000 χ^2/NDF : 14236590294.3/17

Left Out: 1.677+/-0.000 χ^2/NDF : 2728704675.9/16

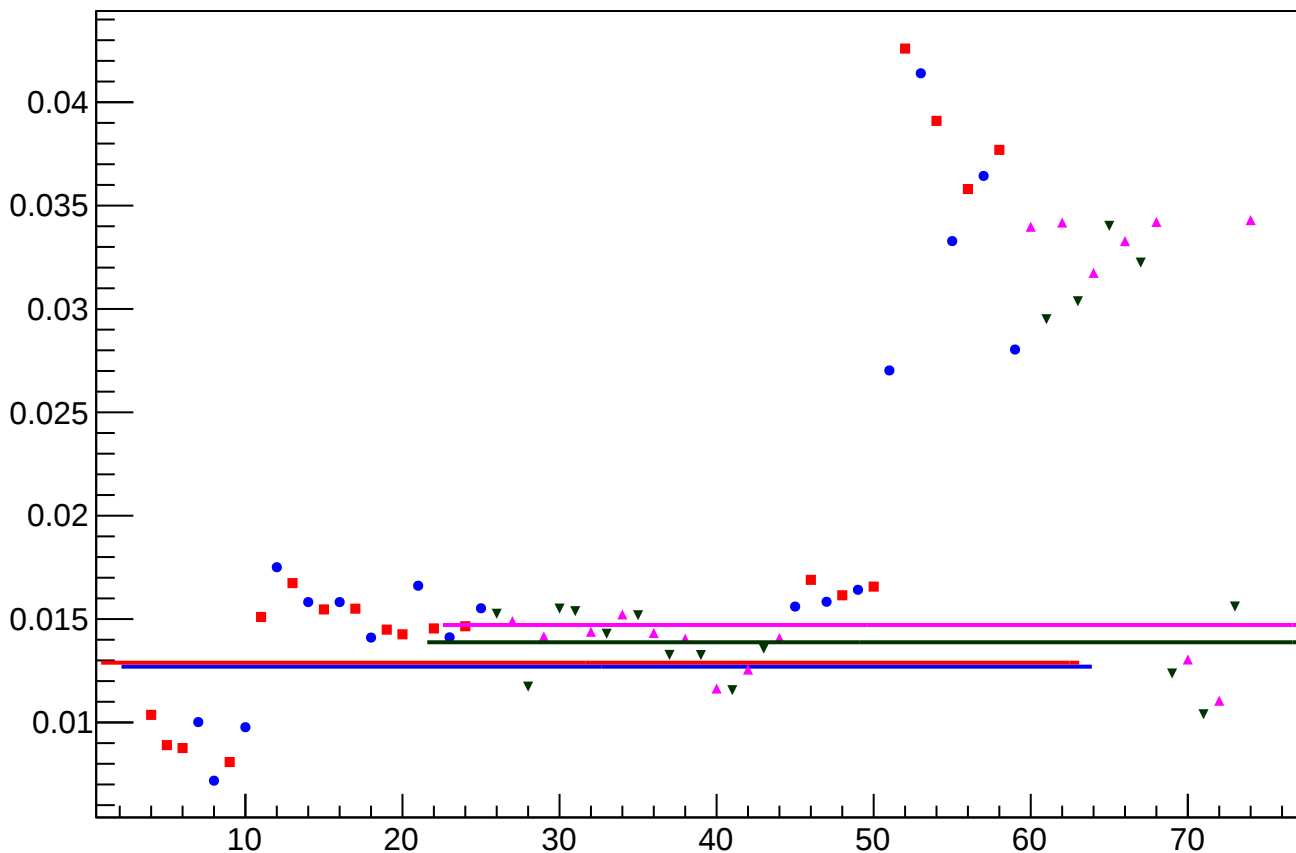
1.538+/-0.000 χ^2/NDF : 18279927670.3/34

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

1.519+/-0.000 χ^2/NDF : 17257245482.0/35

Left In: 1.715+/-0.000 χ^2/NDF : 2142829135.5/16

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 :1333952.4/16

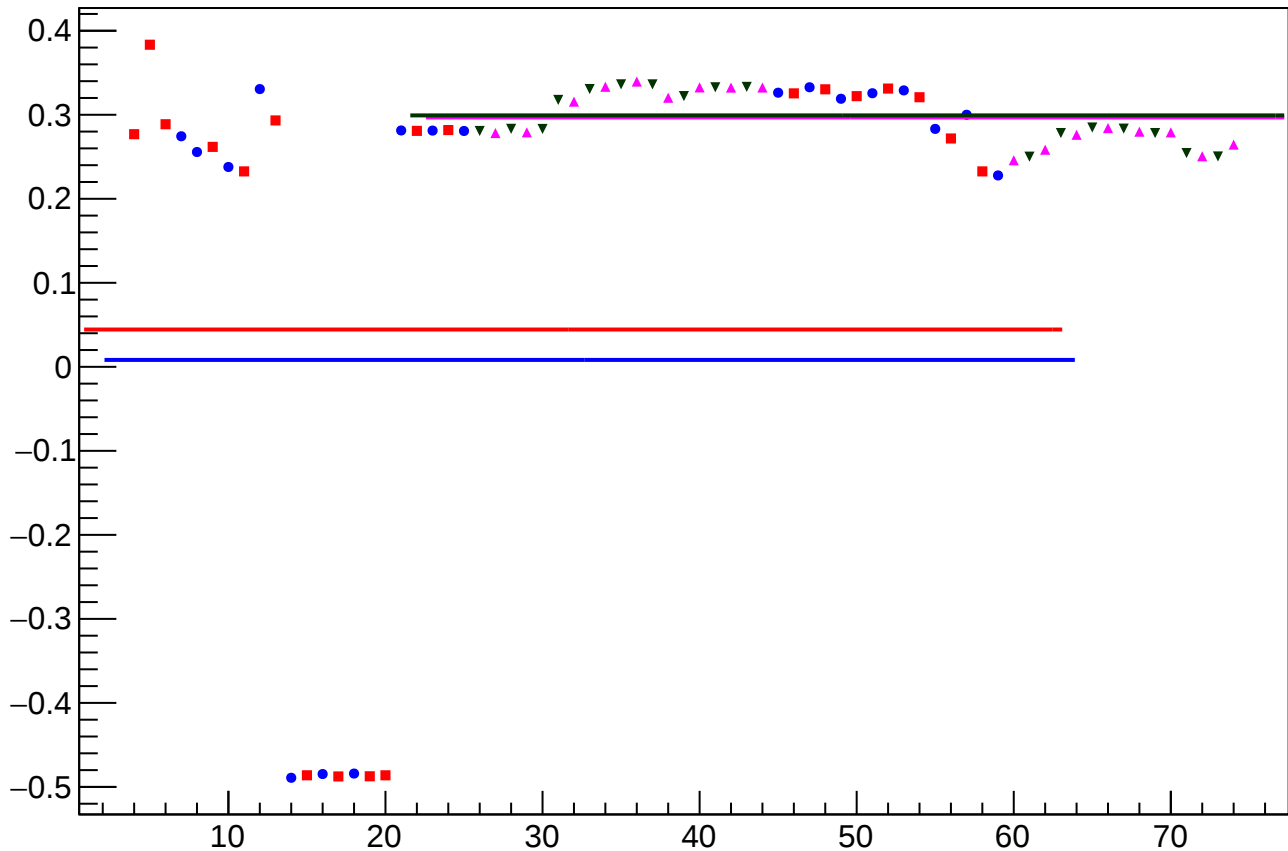
Right Out: 0.013+/-0.000 χ^2/NDF : 2814614.5/18

Left In: 0.015+/-0.000 χ^2/NDF :1799112.1/16

0.013+/-0.000 χ^2/NDF : 4932787.3/34

0.014+/-0.000 χ^2/NDF : 4753532.0/35

yield_bpm4eX_mean vs slug



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

Left Out: 0.299 $\pm$ 0.000 χ^2 /NDF:13729931.4/16

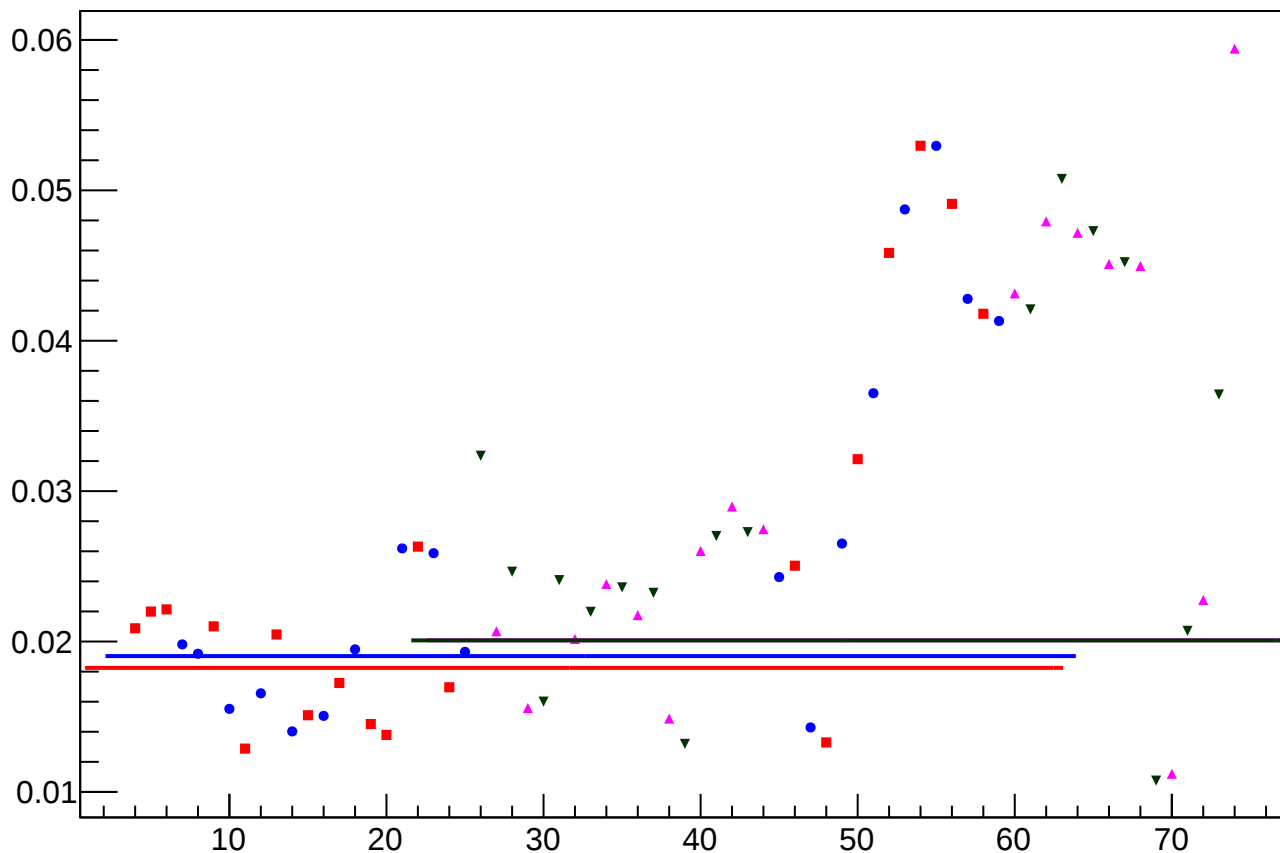
0.126 $\pm$ 0.000 χ^2 /NDF: 4483469706.6/34

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

0.152 $\pm$ 0.000 χ^2 /NDF: 3849294903.8/35

Left In: 0.297 $\pm$ 0.000 χ^2 /NDF:13104518.4/16

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 :2779324.7/16

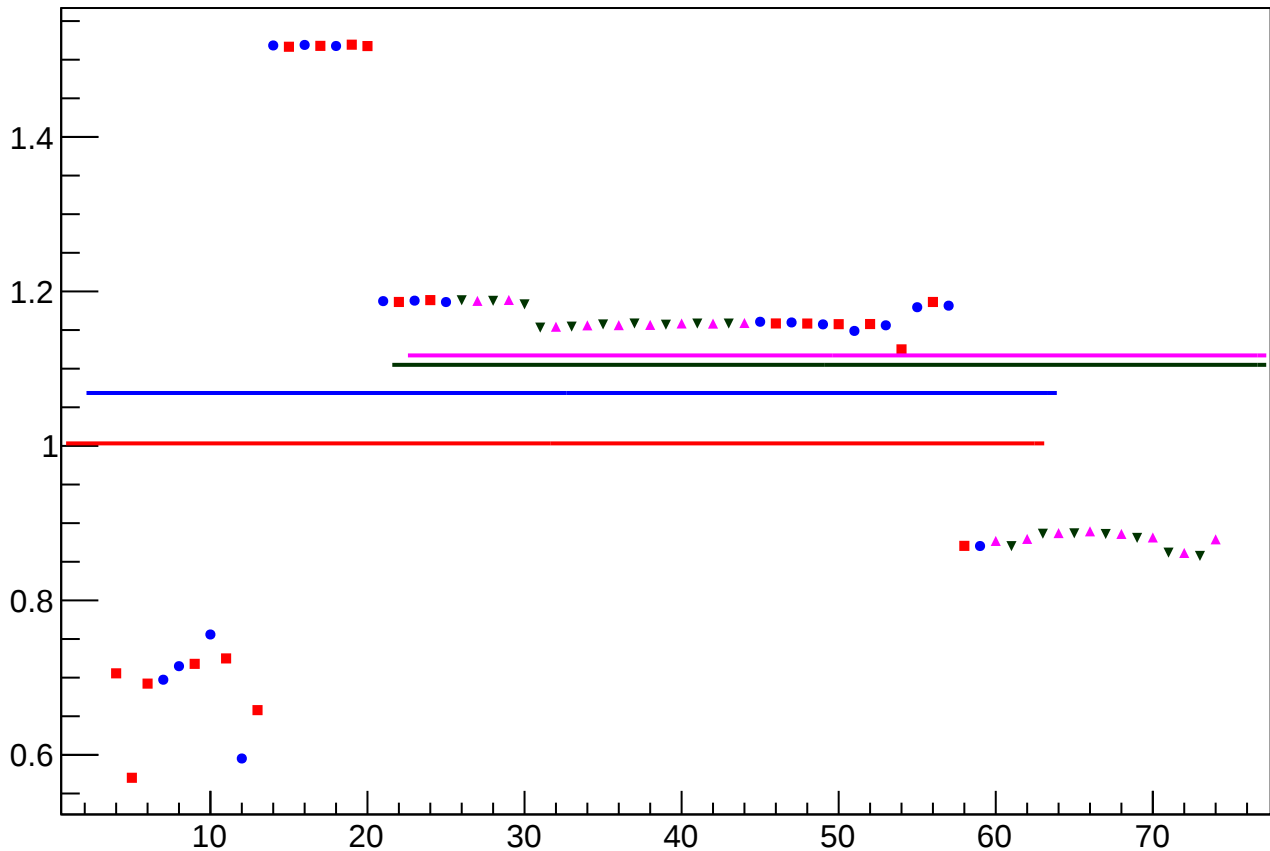
Right Out: 0.018+/-0.000 χ^2/NDF : 2485378.5/18

Left In: 0.020+/-0.000 χ^2/NDF :3000437.0/16

0.019+/-0.000 χ^2/NDF : 5396797.7/34

0.019+/-0.000 χ^2/NDF : 5557411.6/35

yield_bpm4eY_mean vs slug



Right In: 1.069+/-0.000 χ^2/NDF : 10548206682.3/17

Left Out: 1.105+/-0.000 χ^2/NDF :1222053797.2/16

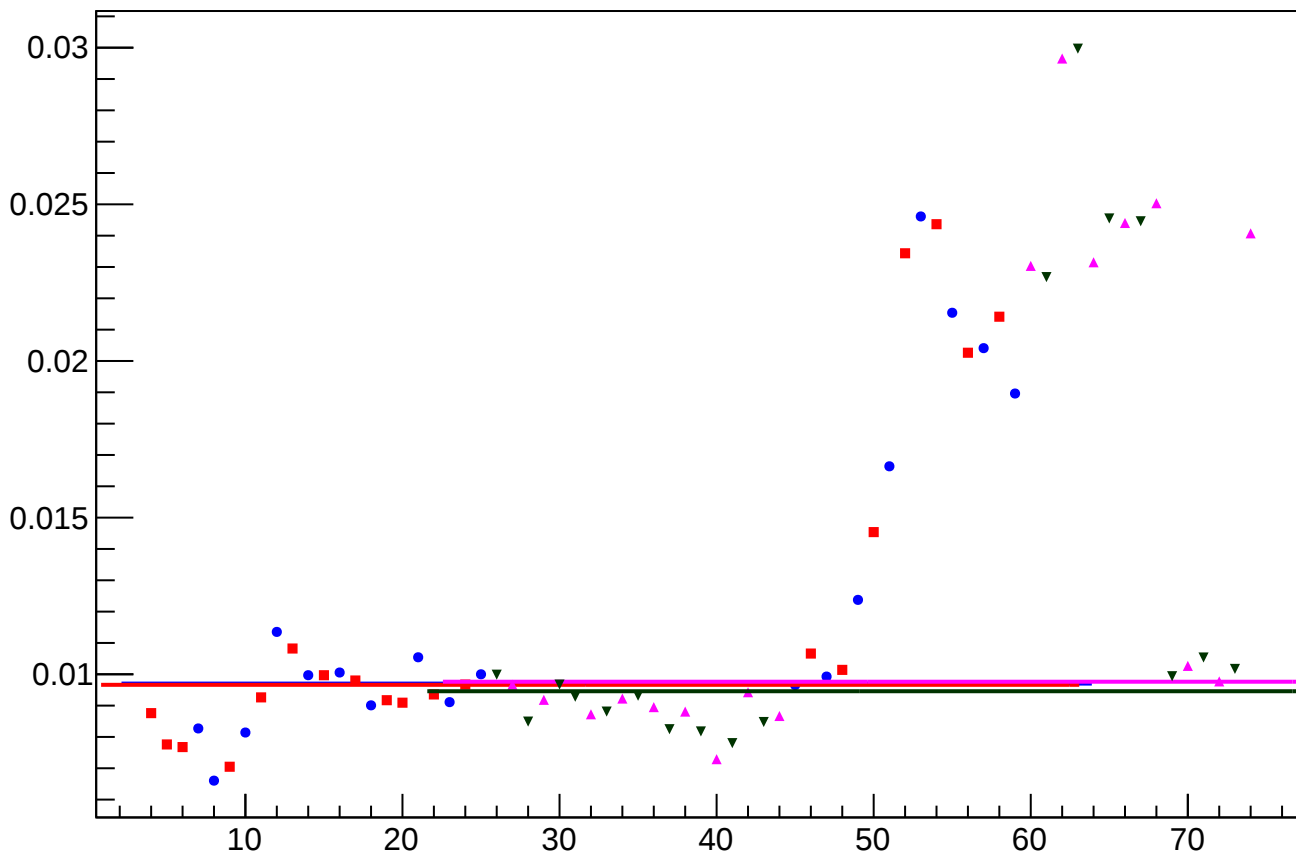
1.085+/-0.000 χ^2/NDF : 11831694201.1/34

Right Out: 1.003+/-0.000 χ^2/NDF : 10291656361.5/18

1.057+/-0.000 χ^2/NDF : 11829031727.6/35

Left In: 1.117+/-0.000 χ^2/NDF :973084474.3/16

yield_bpm4eY_rms vs slug



Right In: 0.010+/-0.000 χ^2/NDF : 1905622.6/17

Left Out: 0.009+/-0.000 χ^2/NDF :1496749.2/16

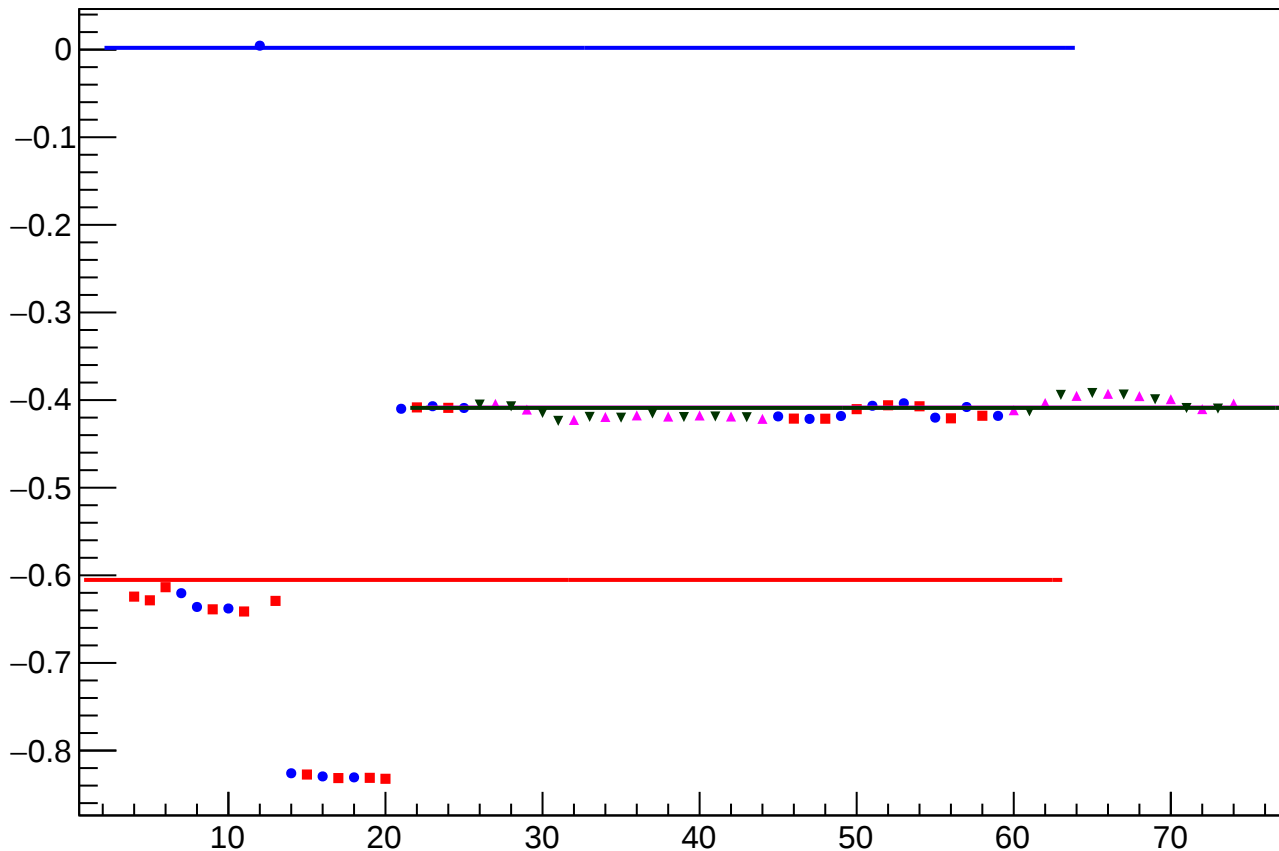
Right Out: 0.010+/-0.000 χ^2/NDF : 1597012.3/18

Left In: 0.010+/-0.000 χ^2/NDF :2029982.9/16

0.010+/-0.000 χ^2/NDF : 3407888.3/34

0.010+/-0.000 χ^2/NDF : 3627849.6/35

yield_bpm4acX_mean vs slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 59749781854.5/17

Left Out: -0.409 $\pm$ 0.000 χ^2 /NDF: 9221501.7/16

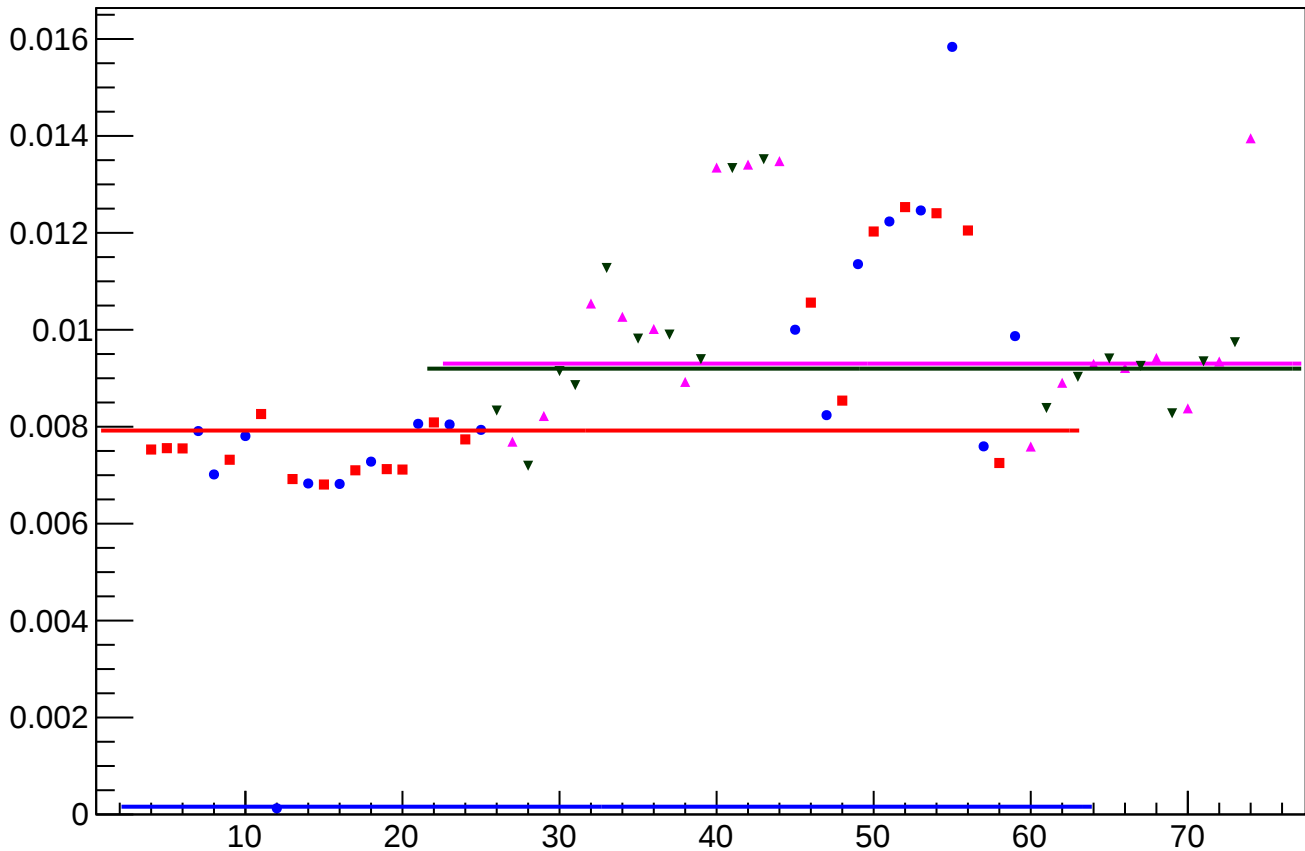
0.001 $\pm$ 0.000 χ^2 /NDF: 76797176511.5/34

Right Out: -0.605 $\pm$ 0.000 χ^2 /NDF: 3819629229.5/18

-0.524 $\pm$ 0.000 χ^2 /NDF: 6248429034.8/35

Left In: -0.408 $\pm$ 0.000 χ^2 /NDF: 9082782.0/16

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 : 391296.9/16

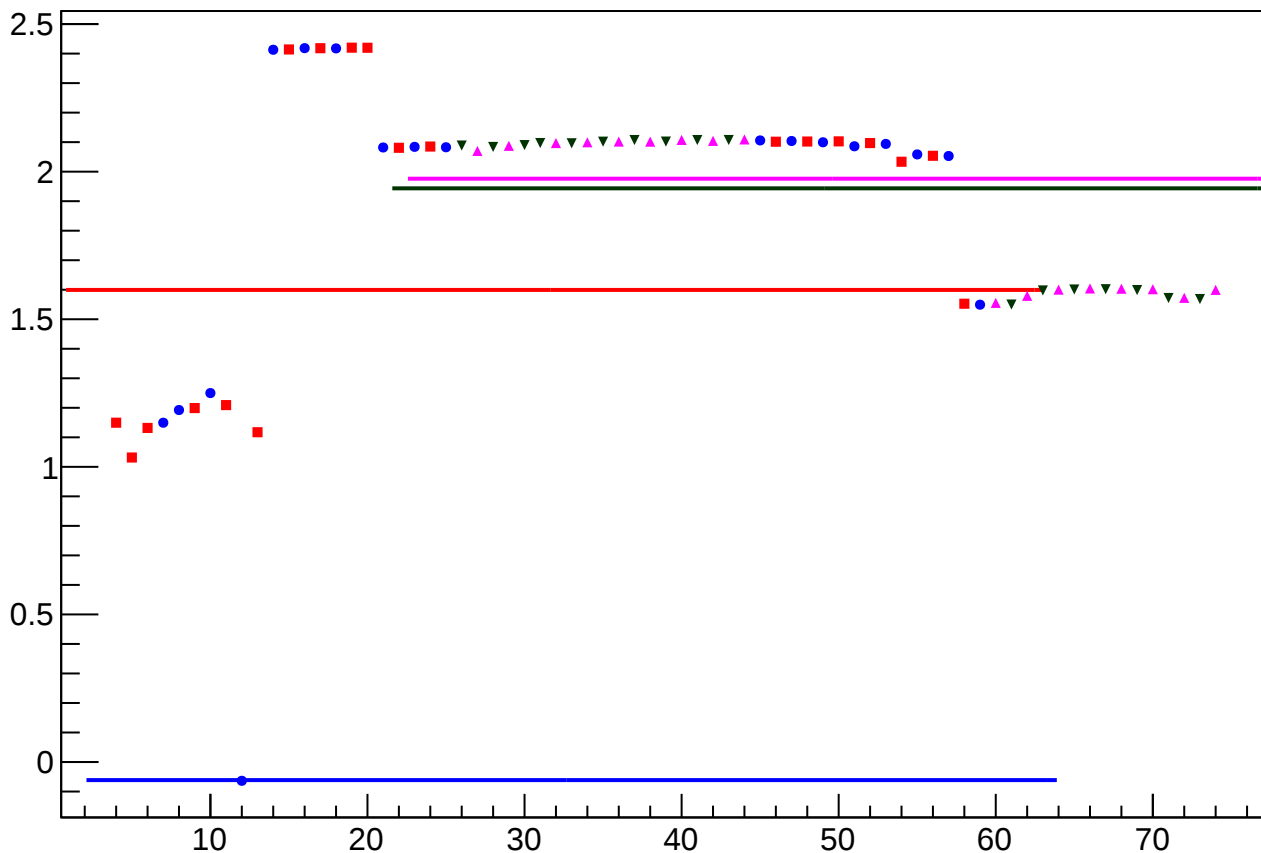
0.000+/-0.000 χ^2/NDF : 37139772.8/34

Right Out: 0.008+/-0.000 χ^2/NDF : 697414.3/18

0.008+/-0.000 χ^2/NDF : 1529252.7/35

Left In: 0.009+/-0.000 χ^2/NDF : 593416.4/16

yield_bpm4acY_mean vs slug



Right In: -0.061 ± 0.000 χ^2/NDF : 171003968524.2/17

Left Out: 1.944 ± 0.000 χ^2/NDF : 2160453120.4/16

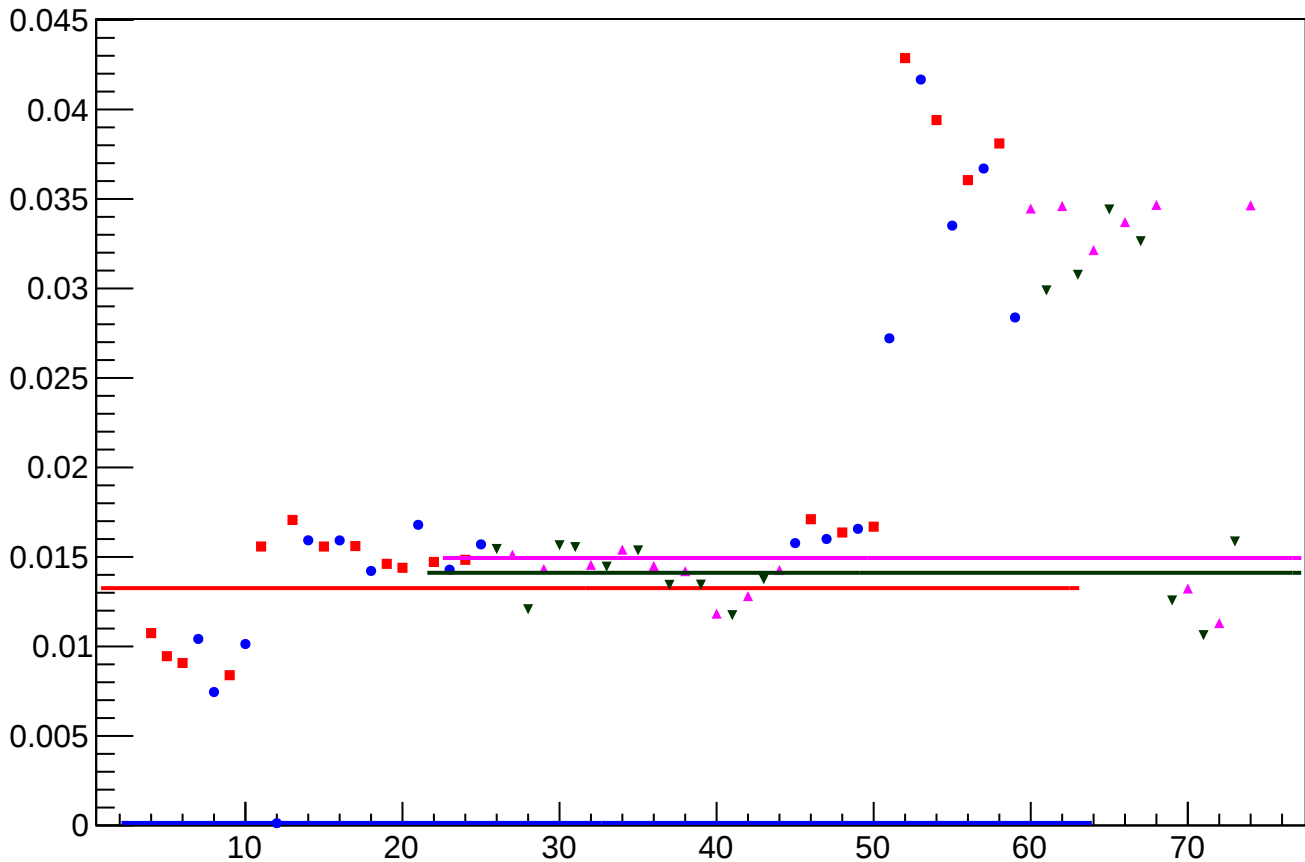
Right Out: 1.599 ± 0.000 χ^2/NDF : 13096029057.2/18

Left In: 1.976 ± 0.000 χ^2/NDF : 1692232819.9/16

-0.059 ± 0.000 χ^2/NDF : 327150553136.2/34

1.765 ± 0.000 χ^2/NDF : 17655639955.8/35

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 :1312803.8/16

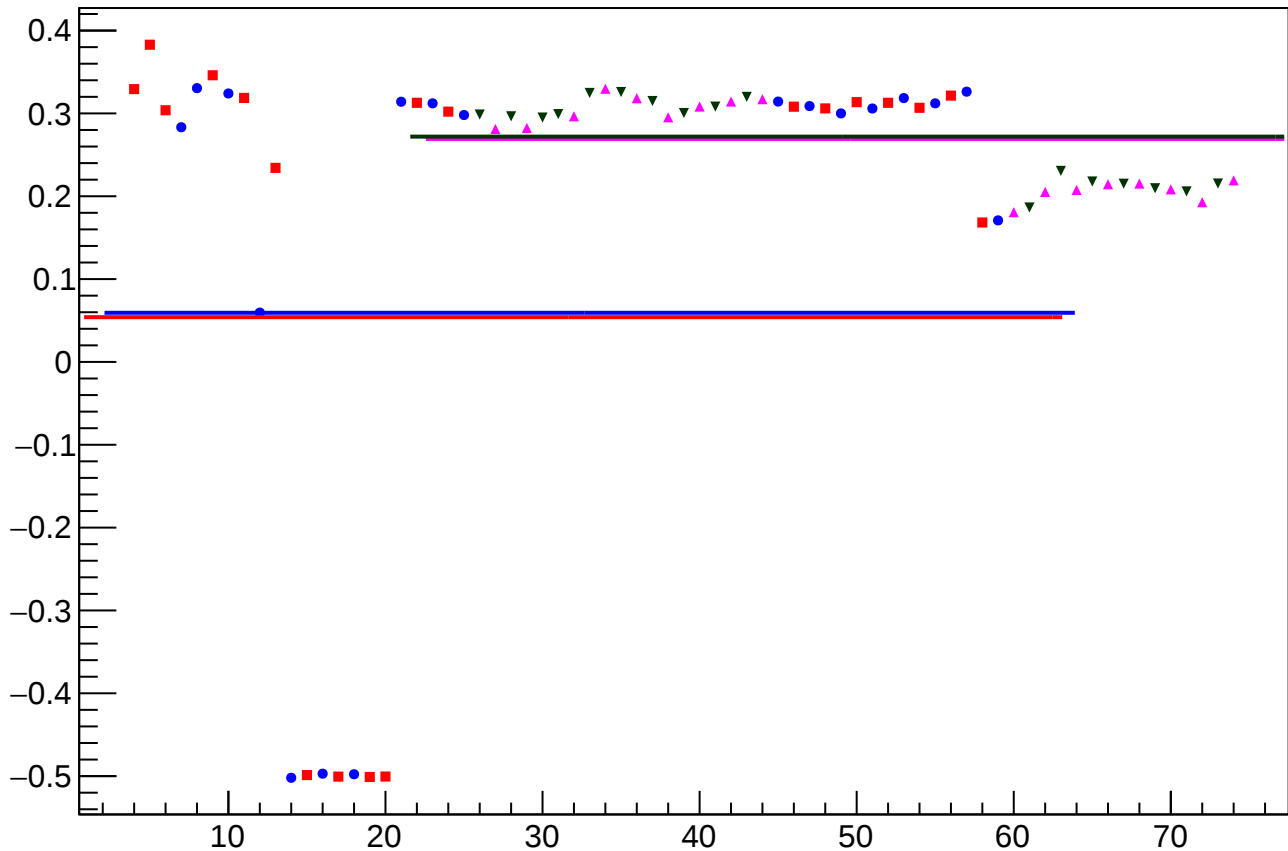
Right Out: 0.013+/-0.000 χ^2/NDF : 2690130.8/18

Left In: 0.015+/-0.000 χ^2/NDF :1786269.9/16

0.000+/-0.000 χ^2/NDF : 35904538.1/34

0.014+/-0.000 χ^2/NDF : 4590735.8/35

yield_bpm4ecX_mean vs slug



Right In: 0.059+/-0.000 χ^2/NDF : 3888801914.2/17

Left Out: 0.272+/-0.000 χ^2/NDF : 38376302.3/16

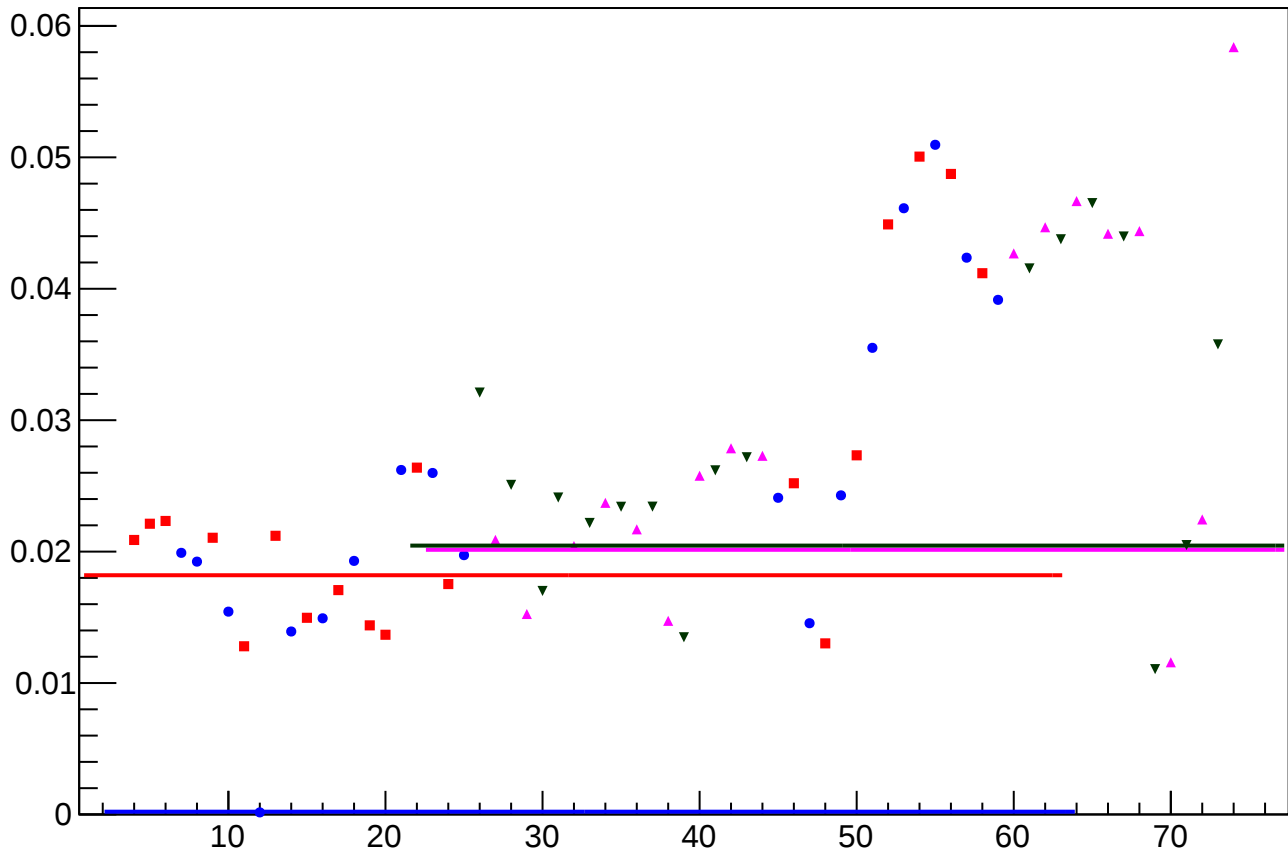
0.060+/-0.000 χ^2/NDF : 4699858371.7/34

Right Out: 0.054+/-0.000 χ^2/NDF : 3509628523.3/18

0.146+/-0.000 χ^2/NDF : 4044305419.1/35

Left In: 0.269+/-0.000 χ^2/NDF : 36976292.8/16

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 : 2527776.2/16

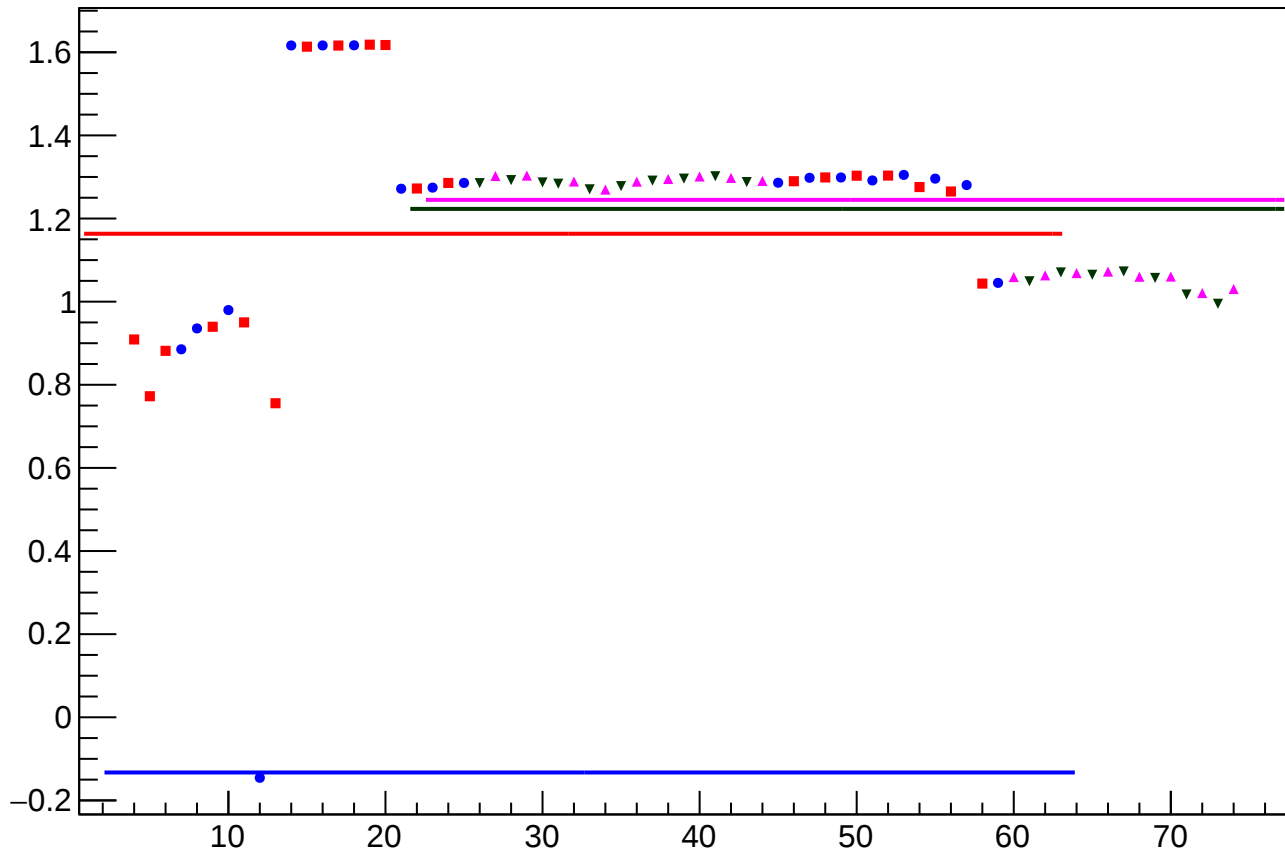
Right Out: 0.018+/-0.000 χ^2/NDF : 2422437.2/18

Left In: 0.020+/-0.000 χ^2/NDF : 2875736.4/16

0.000+/-0.000 χ^2/NDF : 36288572.9/34

0.019+/-0.000 χ^2/NDF : 5378751.7/35

yield_bpm4ecY_mean vs slug



Right In: -0.133+/-0.000 χ^2/NDF : 169320914657.8/17

Left Out: 1.223+/-0.000 χ^2/NDF : 869794573.8/16

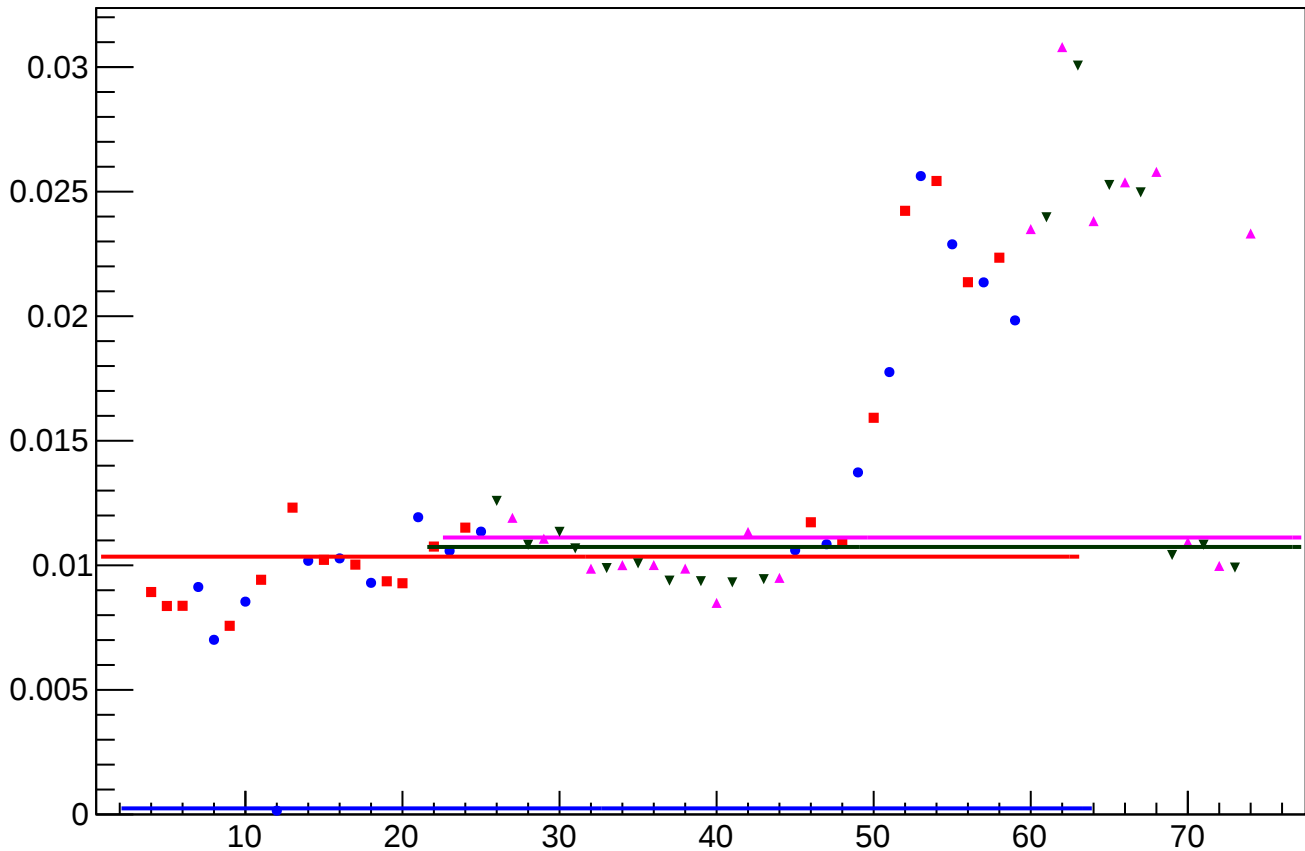
-0.123+/-0.000 χ^2/NDF : 292231494751.1/34

Right Out: 1.163+/-0.000 χ^2/NDF : 7253036603.9/18

1.200+/-0.000 χ^2/NDF : 8124234333.3/35

Left In: 1.245+/-0.000 χ^2/NDF : 633288648.8/16

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 :1307180.1/16

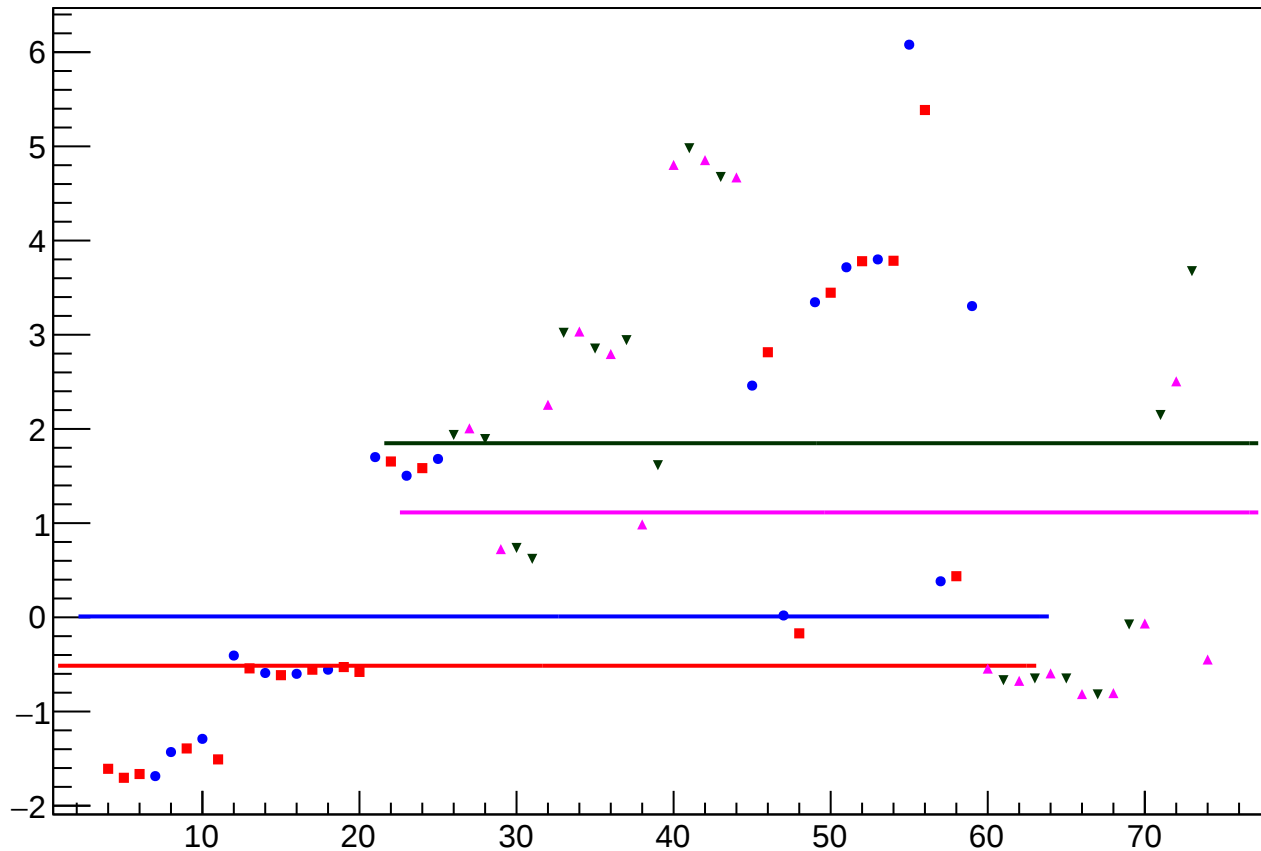
Right Out: 0.010+/-0.000 χ^2/NDF : 1619353.0/18

Left In: 0.011+/-0.000 χ^2/NDF :1801610.5/16

0.000+/-0.000 χ^2/NDF : 35129771.9/34

0.011+/-0.000 χ^2/NDF : 3463263.5/35

yield_bpm1X_mean vs slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 18135045883.2/17

0.201 $\pm$ 0.000 χ^2 /NDF: 22019809952.2/34

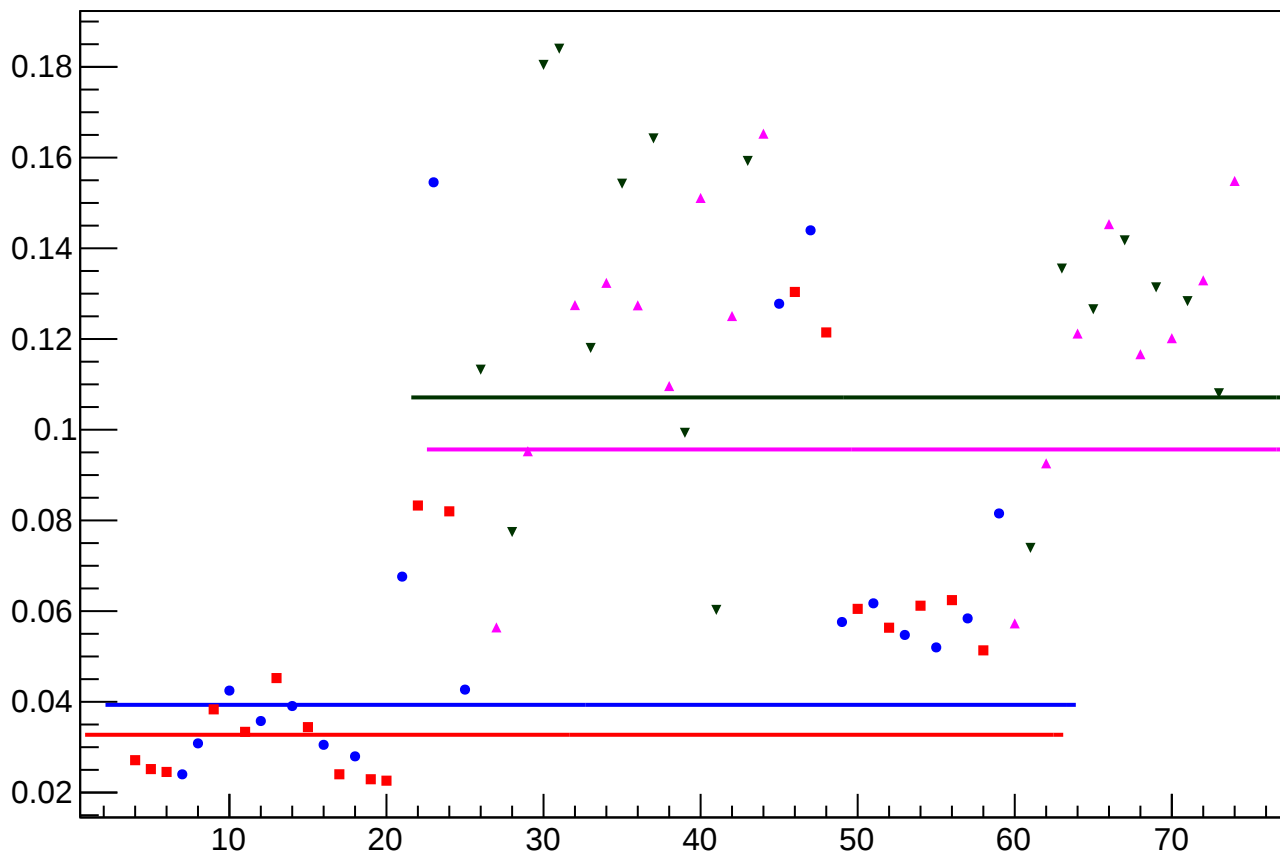
Left Out: 1.848 $\pm$ 0.000 χ^2 /NDF: 2202096000.4/16

Right Out: -0.514 $\pm$ 0.000 χ^2 /NDF: 14474436949.2/18

-0.335 $\pm$ 0.000 χ^2 /NDF: 18421401984.8/35

Left In: 1.114 $\pm$ 0.000 χ^2 /NDF: 2168251707.3/16

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 :1402654.9/16

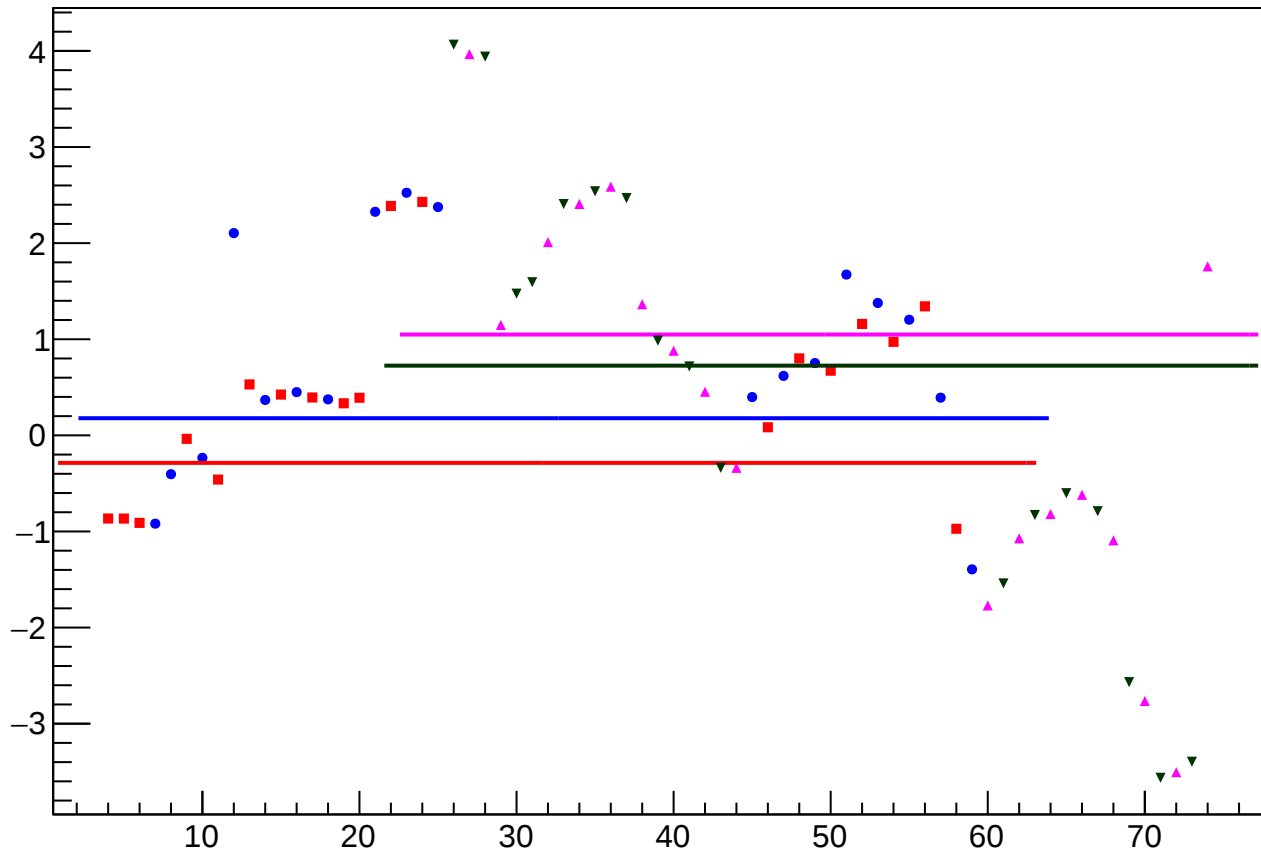
Right Out: 0.033+/-0.000 χ^2/NDF : 2838022.5/18

Left In: 0.096+/-0.000 χ^2/NDF :1894013.2/16

0.046+/-0.000 χ^2/NDF : 9053040.9/34

0.040+/-0.000 χ^2/NDF : 10047603.5/35

yield_bpm1Y_mean vs slug



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

Left Out: 0.725 ± 0.000 χ^2/NDF : 6218750071.0/16

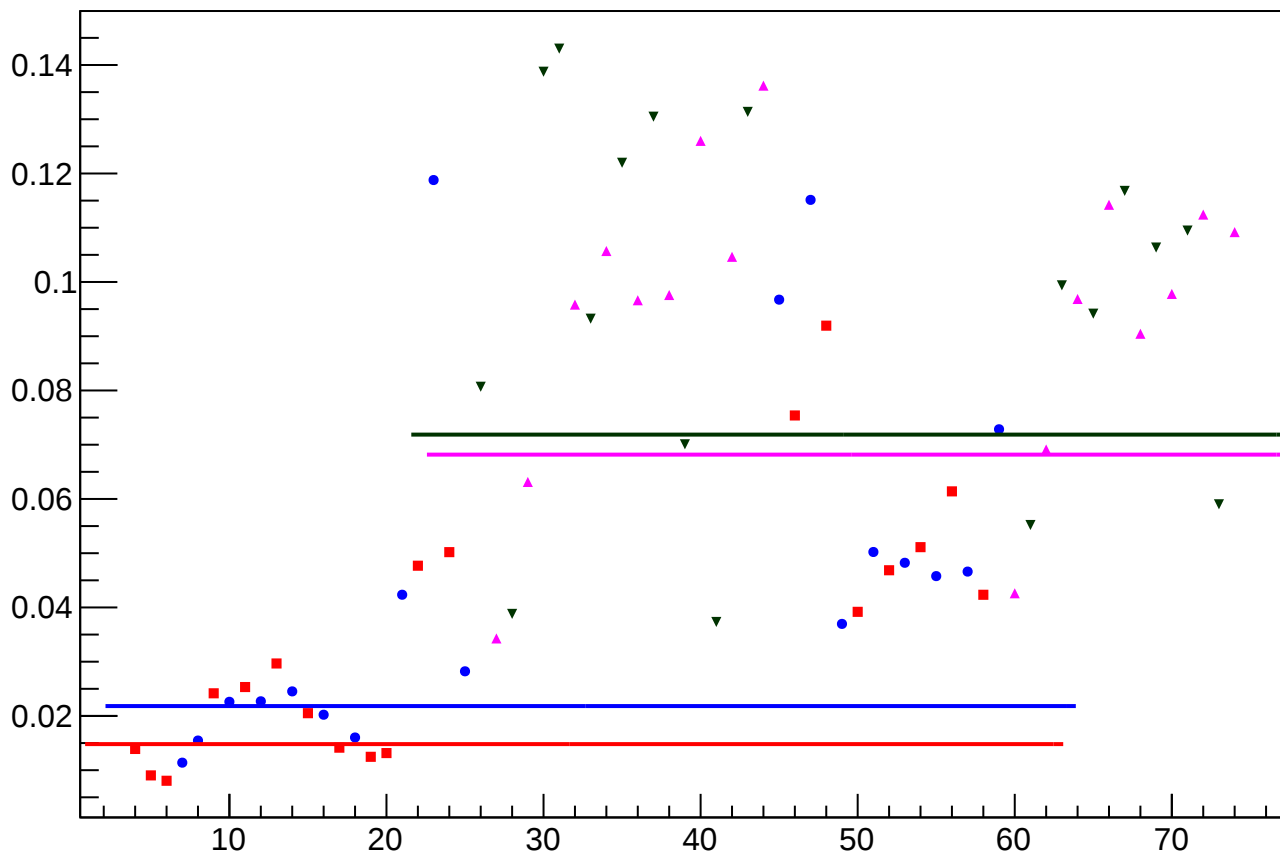
0.222 ± 0.000 χ^2/NDF : 15993043982.7/34

Right Out: -0.286 ± 0.000 χ^2/NDF : 10734675455.5/18

-0.209 ± 0.000 χ^2/NDF : 20558637836.5/35

Left In: 1.049 ± 0.000 χ^2/NDF : 7559345460.8/16

yield_bpm1Y_rms vs slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 4669284.8/17

Left Out: 0.072 $\pm$ 0.000 χ^2 /NDF:2371357.5/16

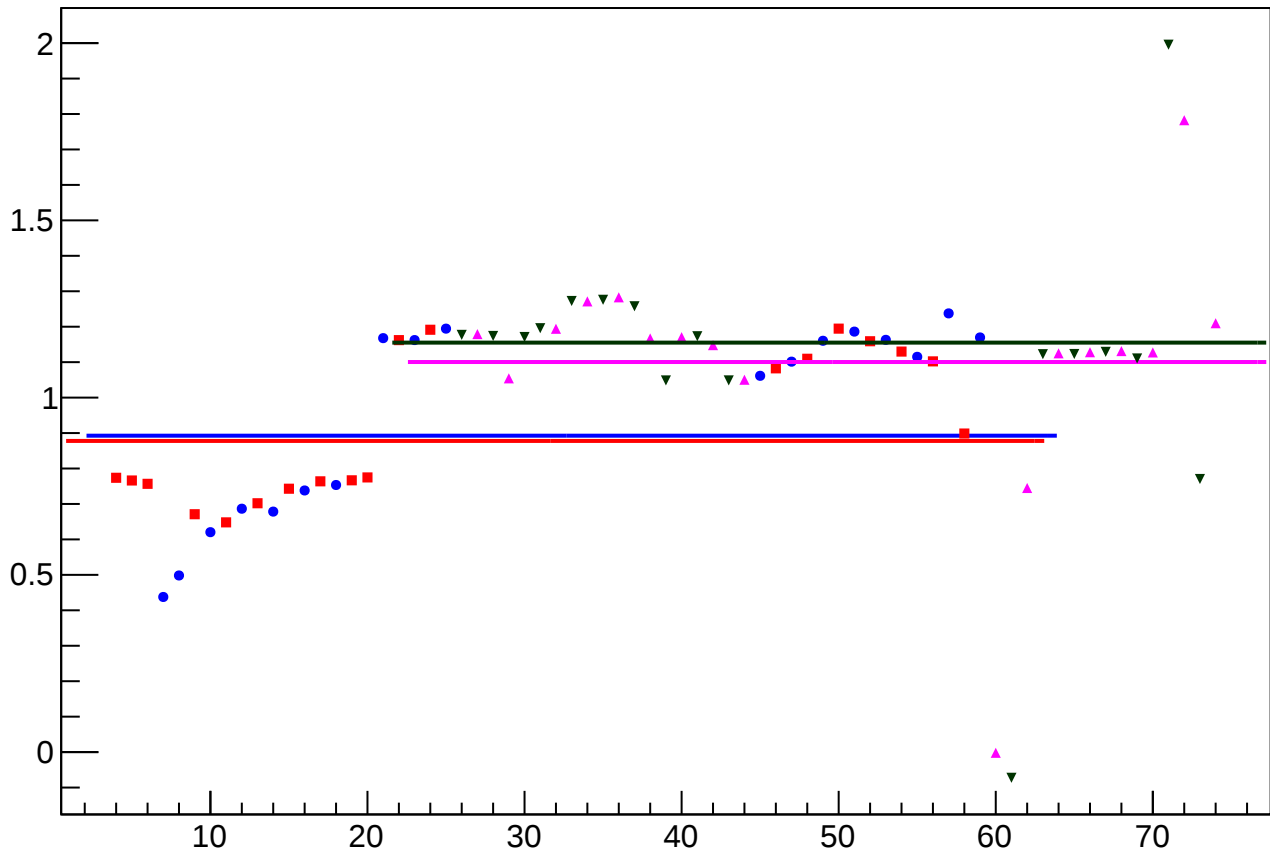
Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 4938559.5/18

Left In: 0.068 $\pm$ 0.000 χ^2 /NDF:2722005.8/16

0.026 $\pm$ 0.000 χ^2 /NDF: 11923013.6/34

0.018 $\pm$ 0.000 χ^2 /NDF: 14893105.8/35

yield_bpm11X_mean vs slug



Right In: 0.893 ± 0.000 χ^2/NDF : 1629156385.0/17

Left Out: 1.155 ± 0.000 χ^2/NDF : 1978928645.6/16

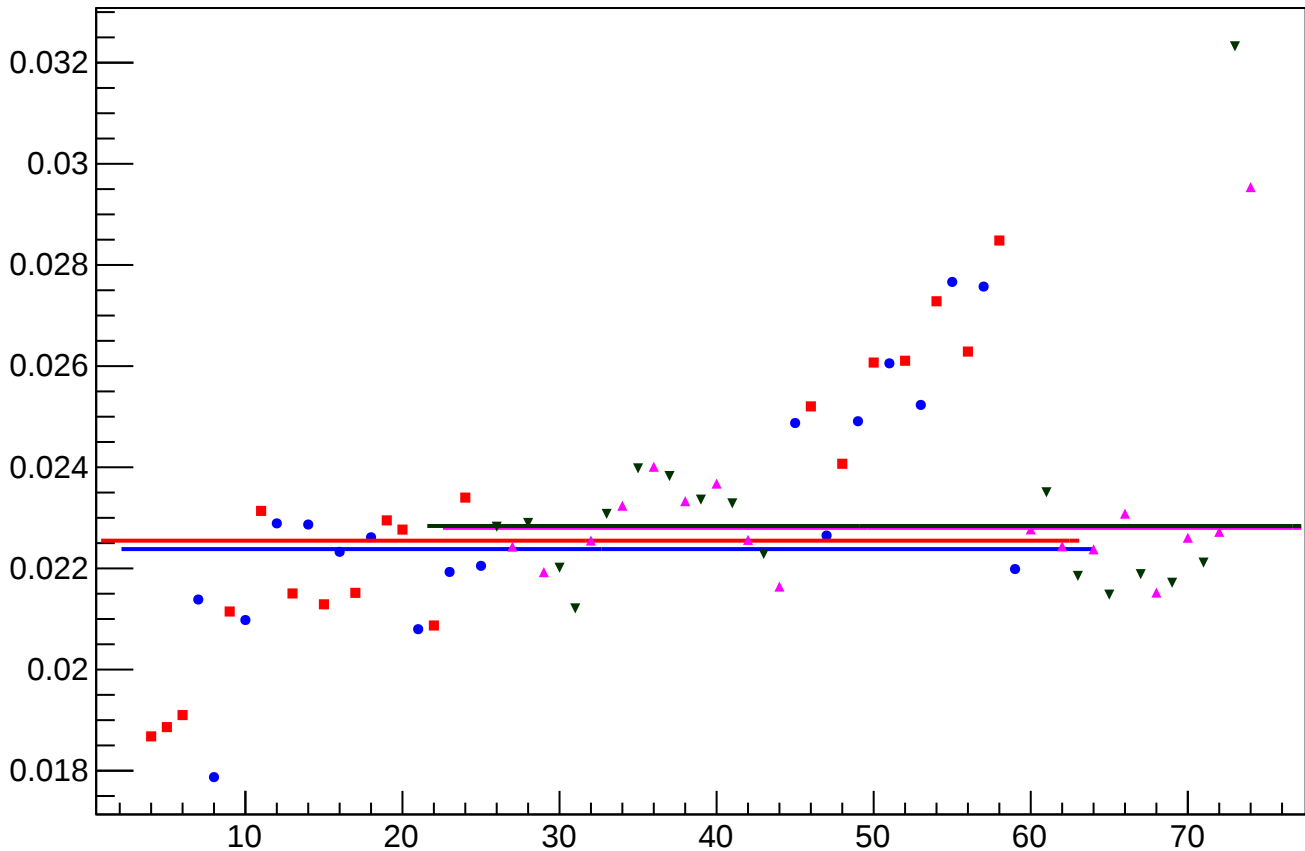
Right Out: 0.878 ± 0.000 χ^2/NDF : 761495098.5/18

Left In: 1.100 ± 0.000 χ^2/NDF : 1755092474.2/16

1.006 ± 0.000 χ^2/NDF : 4247578857.1/34

0.987 ± 0.000 χ^2/NDF : 2968549342.0/35

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 :108411.3/16

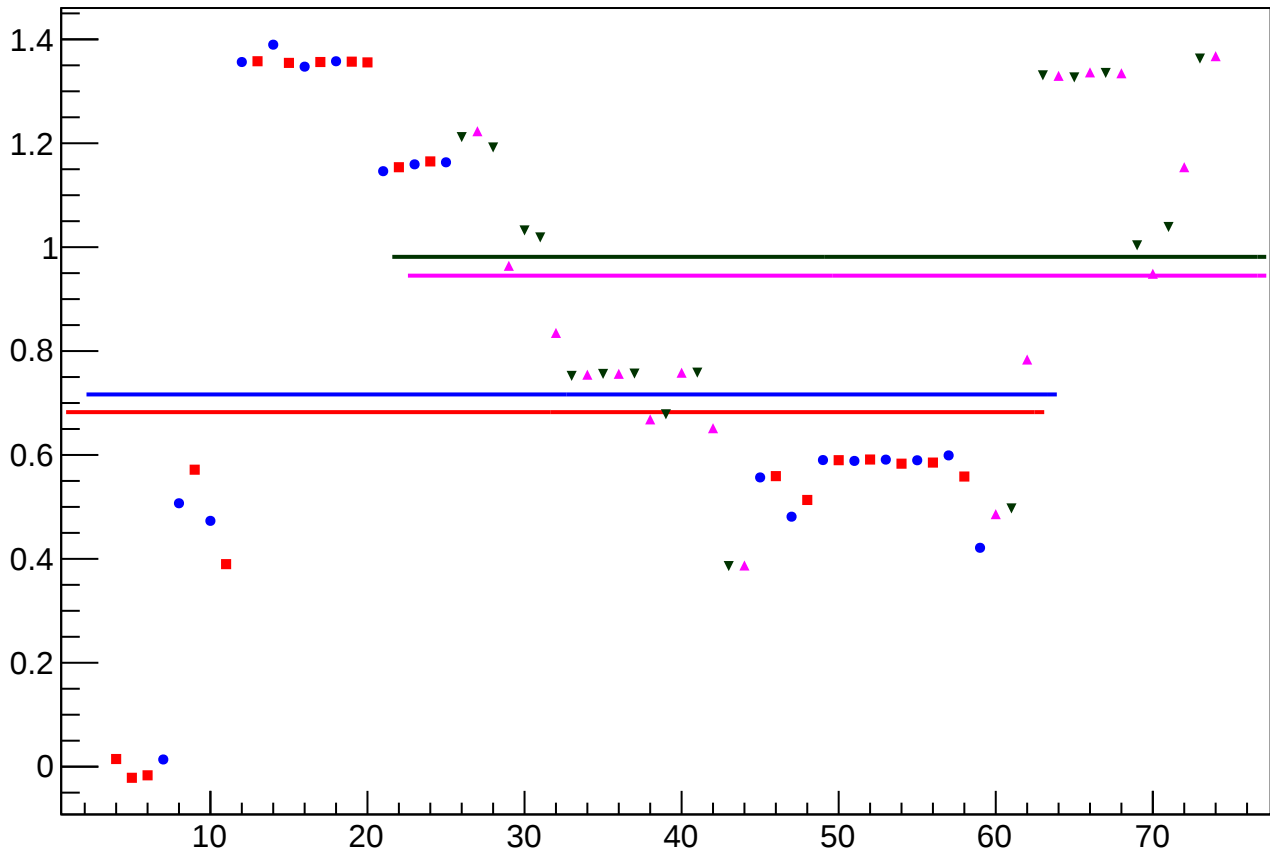
Right Out: 0.023+/-0.000 χ^2/NDF : 246194.4/18

Left In: 0.023+/-0.000 χ^2/NDF :62443.5/16

0.023+/-0.000 χ^2/NDF : 376901.0/34

0.023+/-0.000 χ^2/NDF : 309812.0/35

yield_bpm11Y_mean vs slug



Right In: 0.716 $\pm$ 0.000 χ^2 /NDF: 131330740430.7/17

Left Out: 0.981 $\pm$ 0.000 χ^2 /NDF: 60740659583.7/16

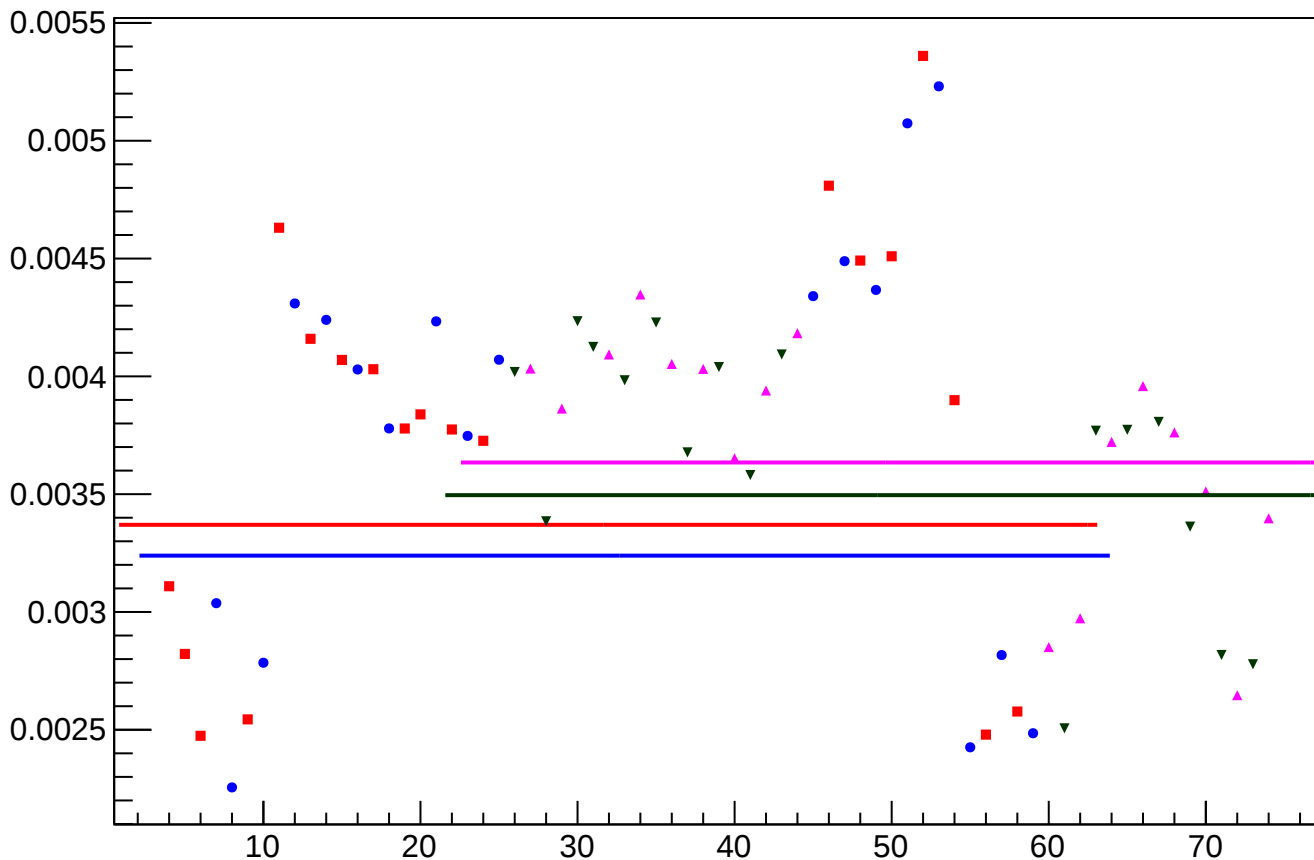
0.827 $\pm$ 0.000 χ^2 /NDF: 219873499033.3/34

Right Out: 0.682 $\pm$ 0.000 χ^2 /NDF: 168328456976.2/18

0.805 $\pm$ 0.000 χ^2 /NDF: 253230721686.8/35

Left In: 0.945 $\pm$ 0.000 χ^2 /NDF: 59504717796.4/16

yield_bpm11Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 1552802.4/17

Left Out: 0.003+/-0.000 χ^2/NDF : 416755.7/16

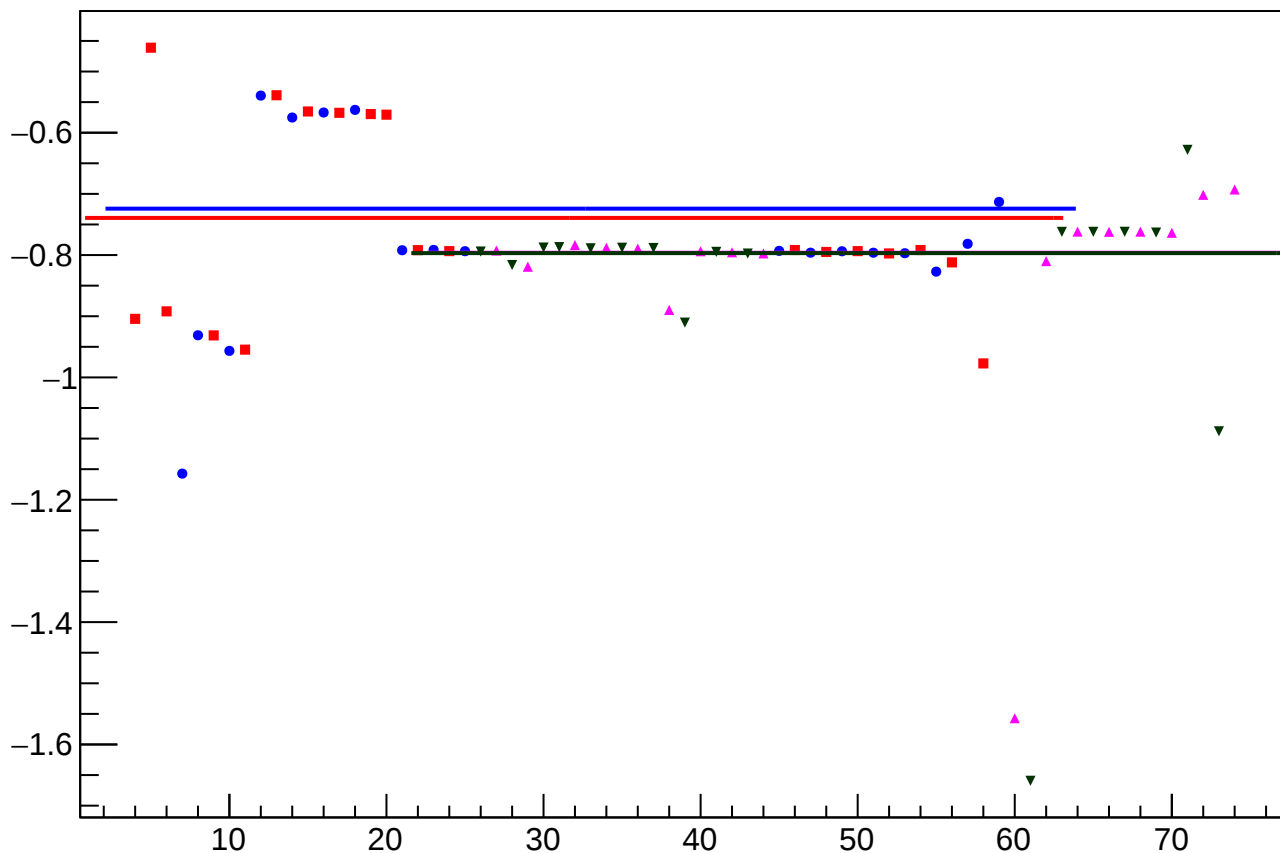
Right Out: 0.003+/-0.000 χ^2/NDF : 1158167.7/18

Left In: 0.004+/-0.000 χ^2/NDF : 350540.6/16

0.003+/-0.000 χ^2/NDF : 2021830.8/34

0.003+/-0.000 χ^2/NDF : 1560231.0/35

yield_bpm12X_mean vs slug



Right In: -0.724+/-0.000 χ^2/NDF : 2243966662.4/17

Left Out: -0.797+/-0.000 χ^2/NDF : 693428199.2/16

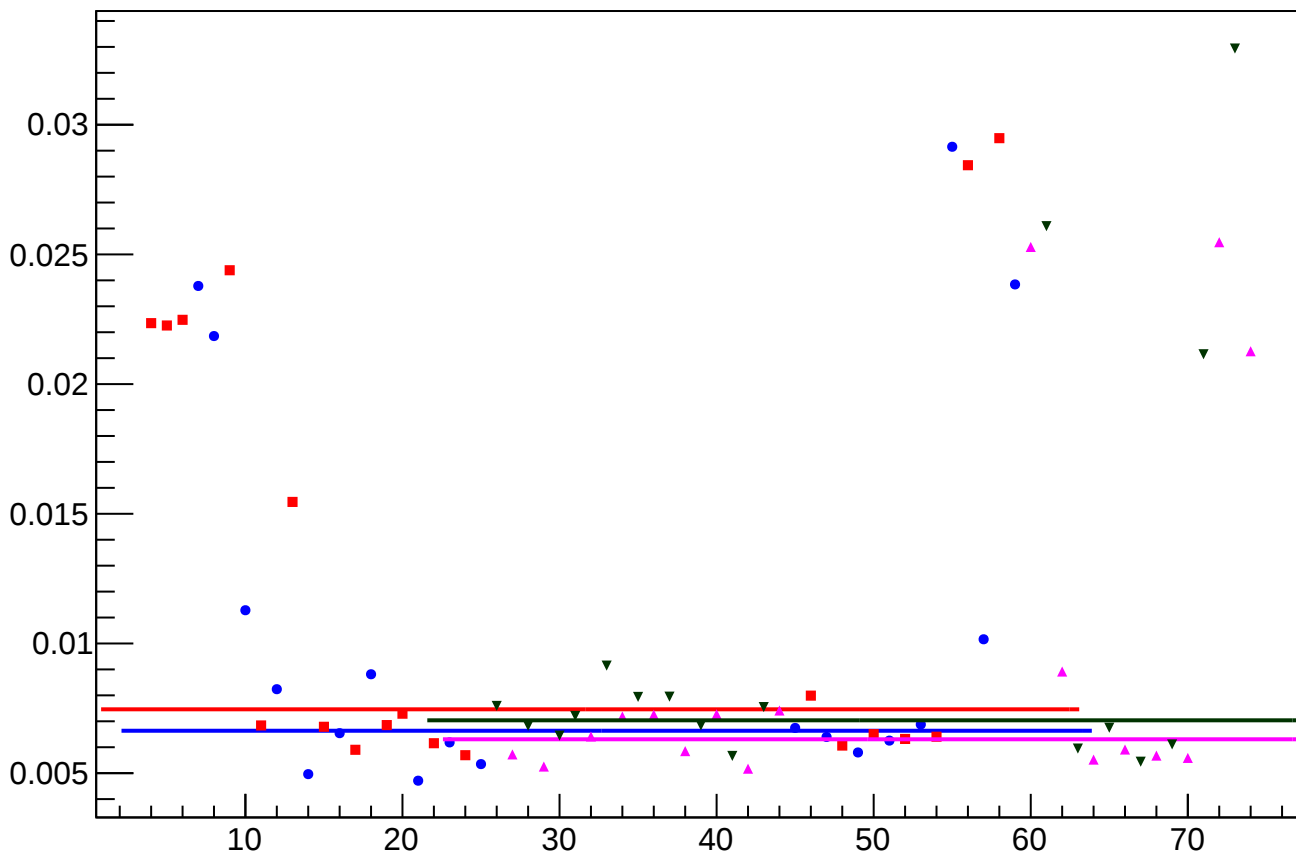
Right Out: -0.739+/-0.000 χ^2/NDF : 1945829237.2/18

Left In: -0.796+/-0.000 χ^2/NDF : 648384355.1/16

-0.755+/-0.000 χ^2/NDF : 3303250474.4/34

-0.773+/-0.000 χ^2/NDF : 2809092638.2/35

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 : 1738927.1/16

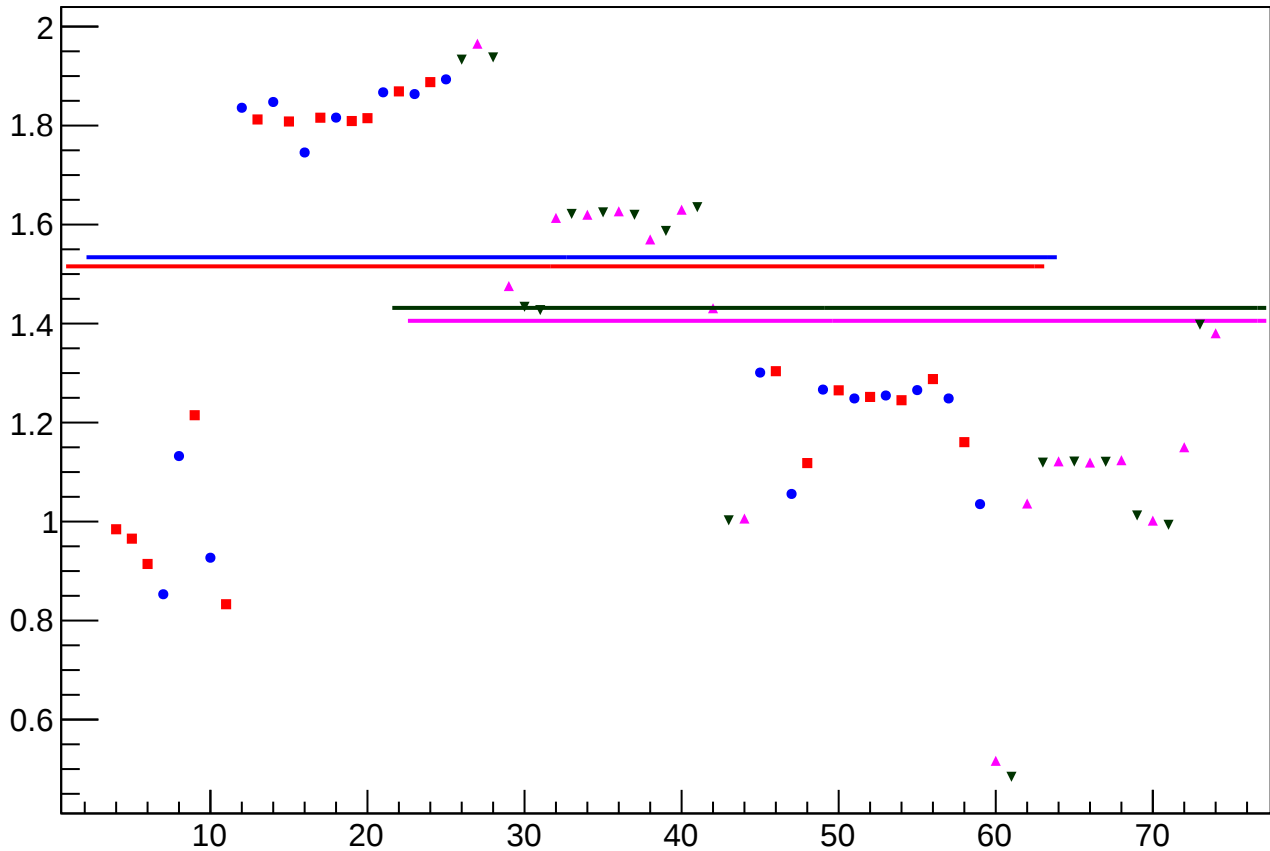
Right Out: 0.007 ± 0.000 χ^2/NDF : 3478880.3/18

Left In: 0.006 ± 0.000 χ^2/NDF : 1735730.3/16

0.007 ± 0.000 χ^2/NDF : 5108869.6/34

0.007 ± 0.000 χ^2/NDF : 5391861.6/35

yield_bpm12Y_mean vs slug



Right In: 1.534 $\pm$ 0.000 χ^2 /NDF: 22395382646.2/17

Left Out: 1.432 $\pm$ 0.000 χ^2 /NDF:17678063304.6/16

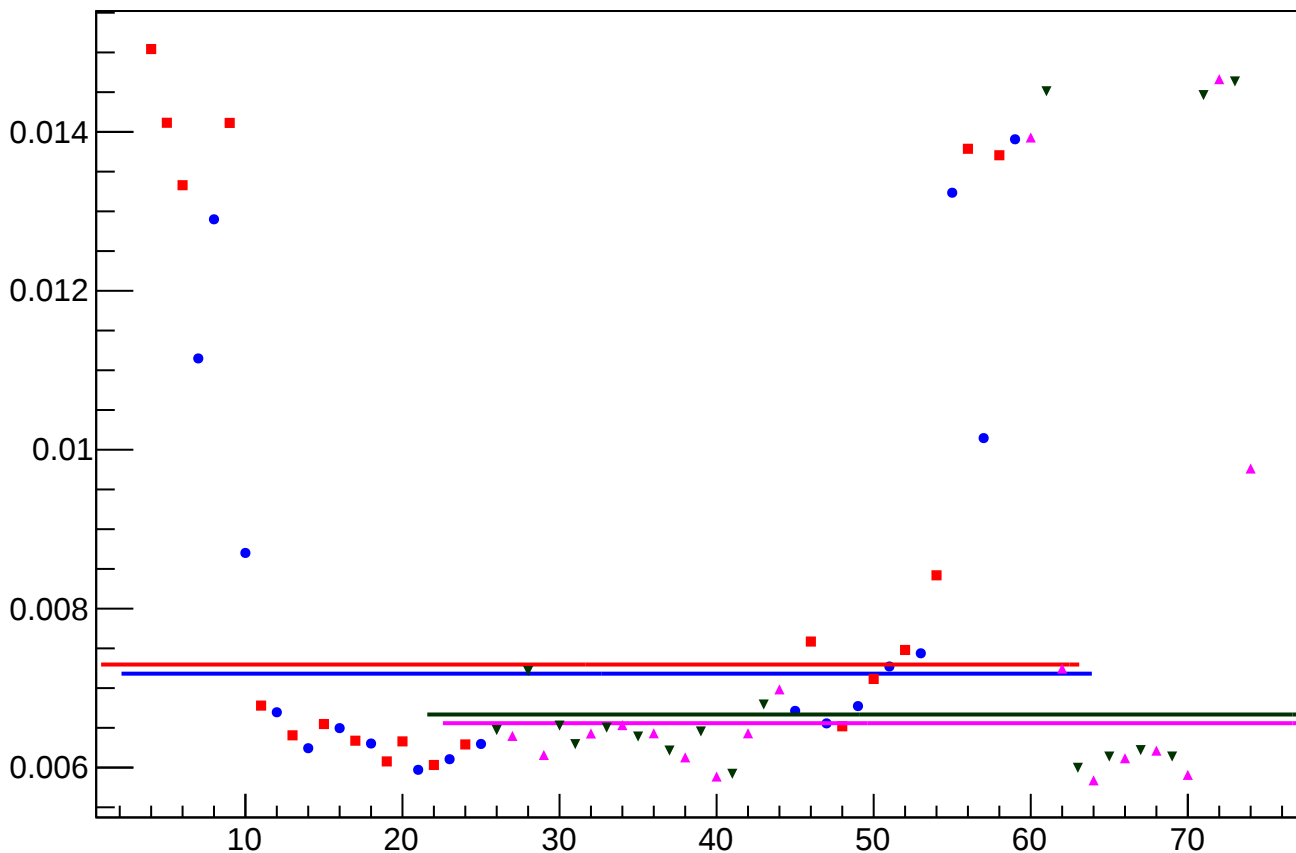
1.485 $\pm$ 0.000 χ^2 /NDF: 41021399307.6/34

Right Out: 1.516 $\pm$ 0.000 χ^2 /NDF: 21754735470.0/18

1.455 $\pm$ 0.000 χ^2 /NDF: 42112175928.2/35

Left In: 1.406 $\pm$ 0.000 χ^2 /NDF:19288311457.4/16

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 : 873297.9/16

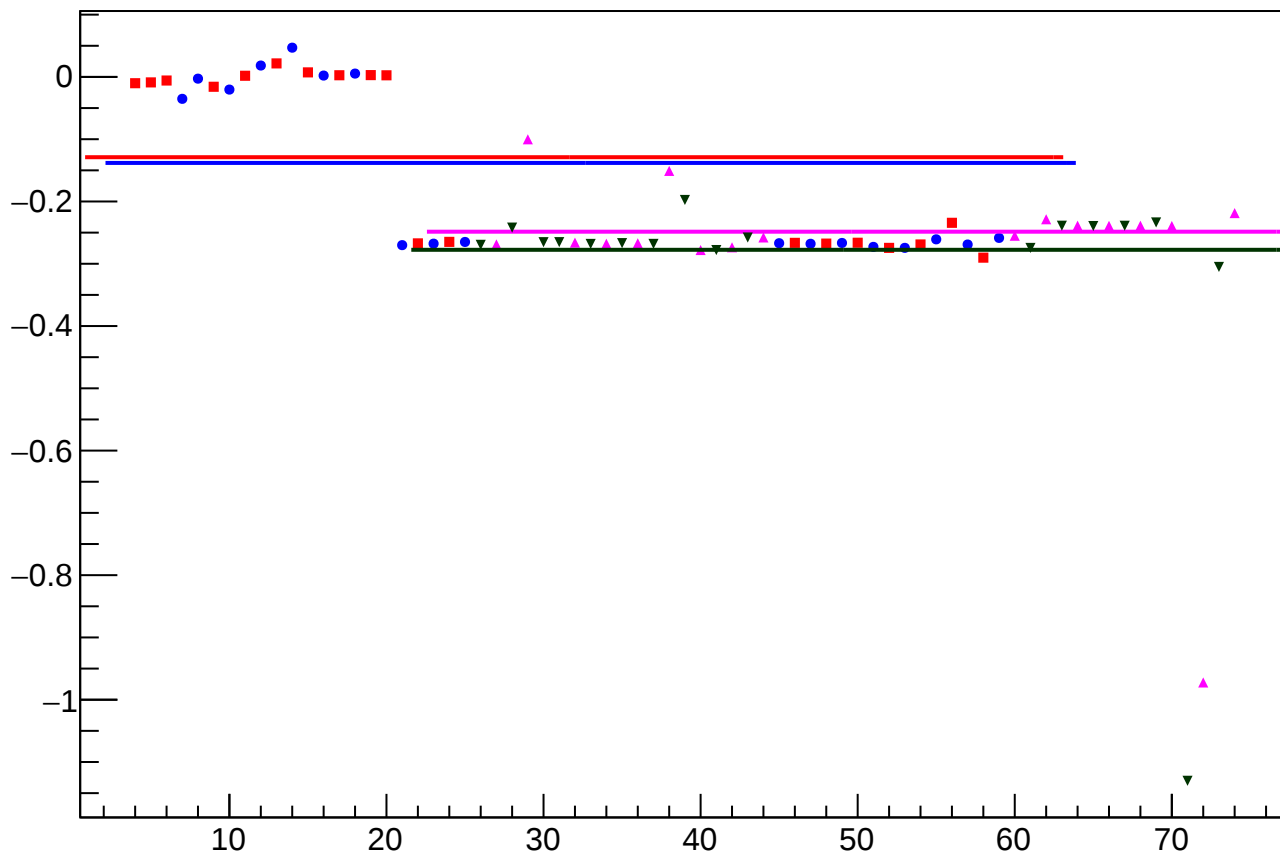
Right Out: 0.007+/-0.000 χ^2/NDF : 1457854.6/18

Left In: 0.007+/-0.000 χ^2/NDF : 712293.3/16

0.007+/-0.000 χ^2/NDF : 2226665.9/34

0.007+/-0.000 χ^2/NDF : 2266396.1/35

yield_bpm16X_mean vs slug



Right In: -0.138+/-0.000 χ^2/NDF : 7275574194.7/17

Left Out: -0.278+/-0.000 χ^2/NDF : 5772543329.0/16

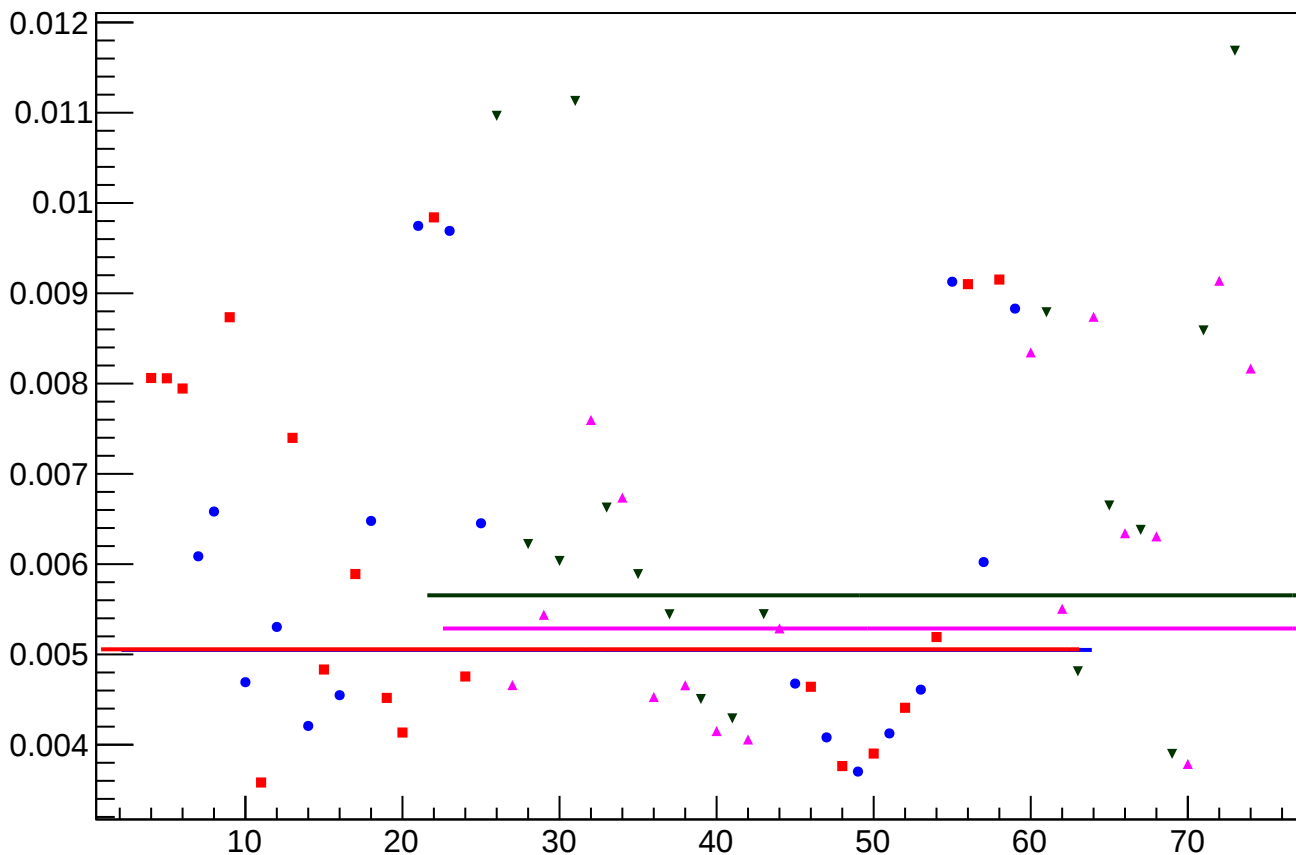
Right Out: -0.129+/-0.000 χ^2/NDF : 5878929515.5/18

Left In: -0.249+/-0.000 χ^2/NDF : 3548650935.3/16

-0.192+/-0.000 χ^2/NDF : 15823884496.9/34

-0.186+/-0.000 χ^2/NDF : 11612115329.0/35

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 :1348317.0/16

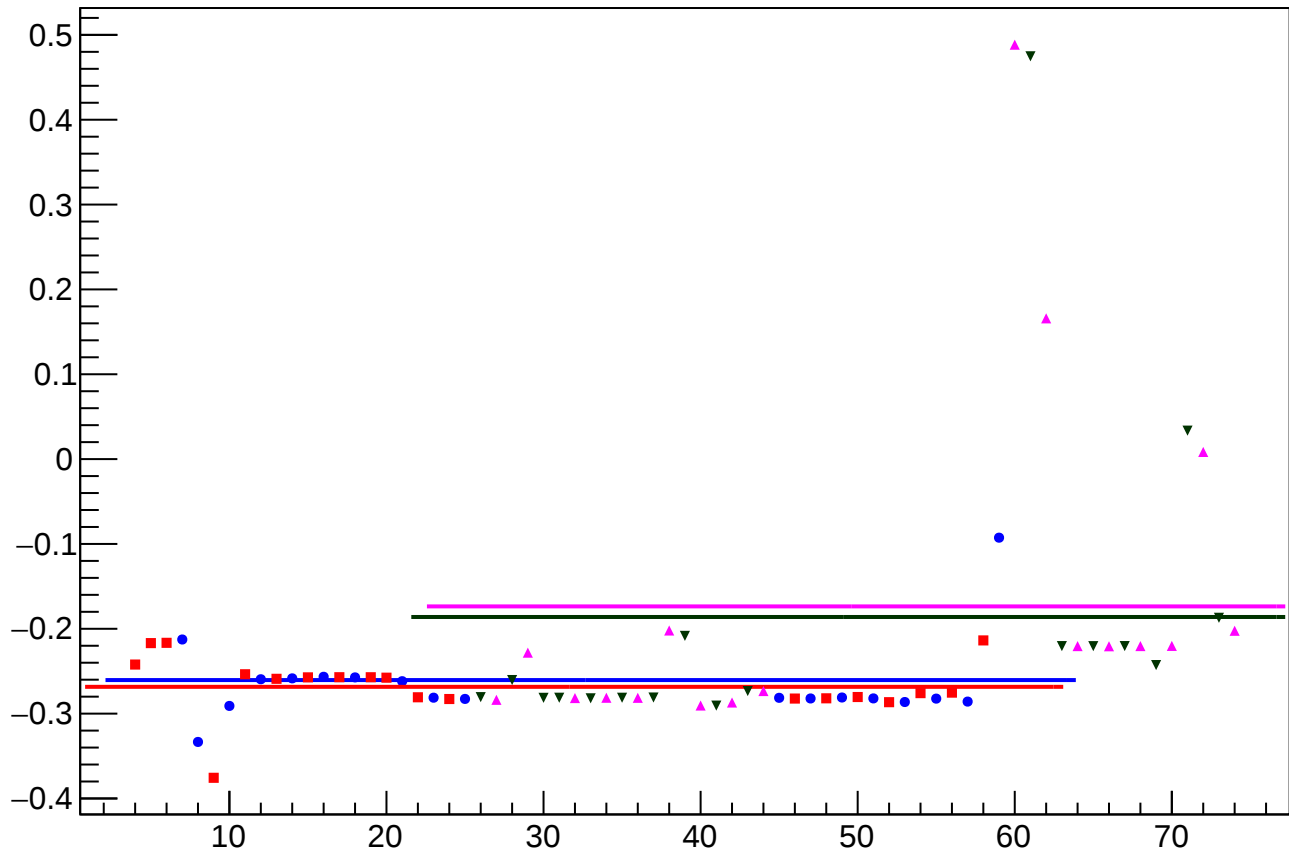
Right Out: 0.005+/-0.000 χ^2/NDF : 1822469.4/18

Left In: 0.005+/-0.000 χ^2/NDF :1158747.2/16

0.005+/-0.000 χ^2/NDF : 3117050.1/34

0.005+/-0.000 χ^2/NDF : 2997459.9/35

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 : 44833018903.5/16

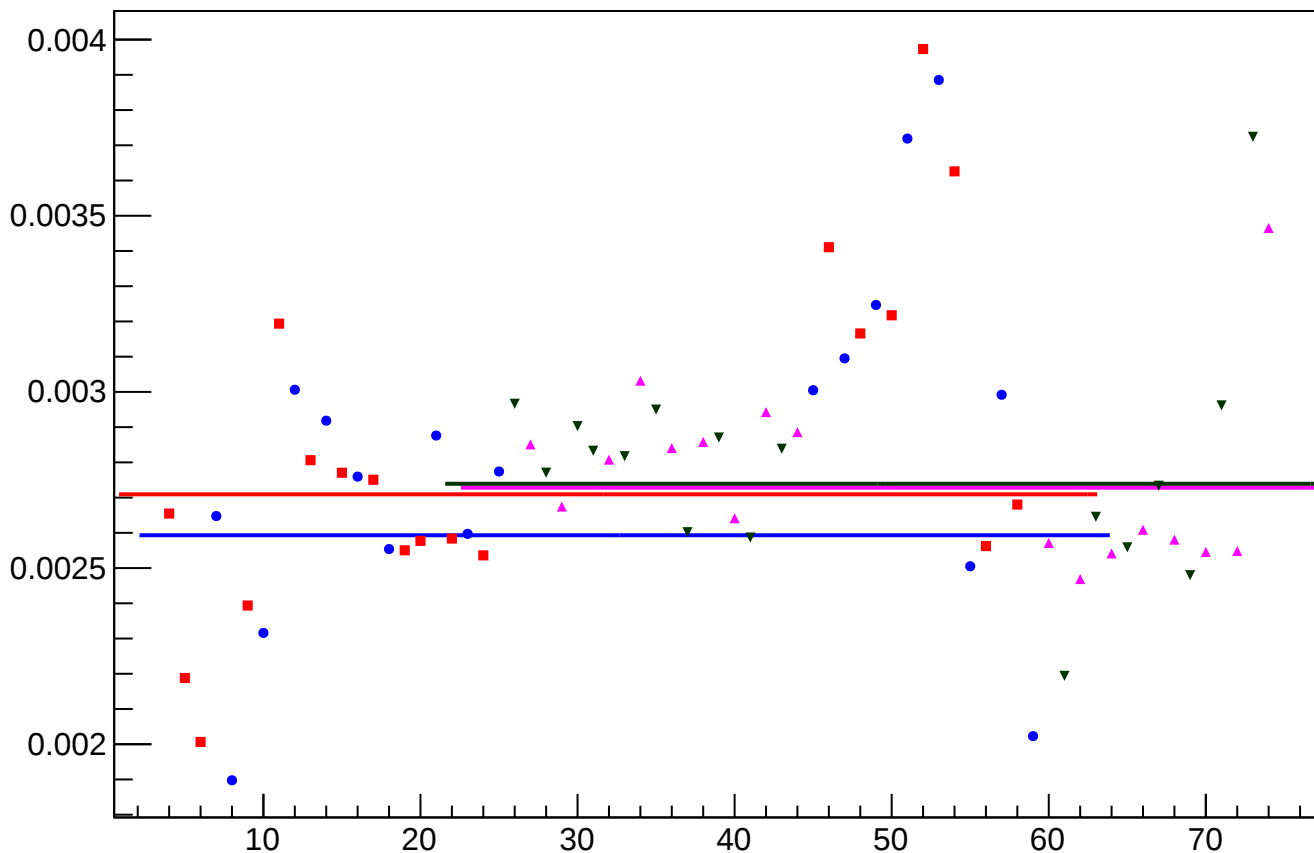
Right Out: -0.268 ± 0.000 χ^2/NDF : 2185355194.4/18

Left In: -0.174 ± 0.000 χ^2/NDF : 46384904780.9/16

-0.229 ± 0.000 χ^2/NDF : 55334240638.2/34

-0.222 ± 0.000 χ^2/NDF : 54219631214.8/35

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 :168201.3/16

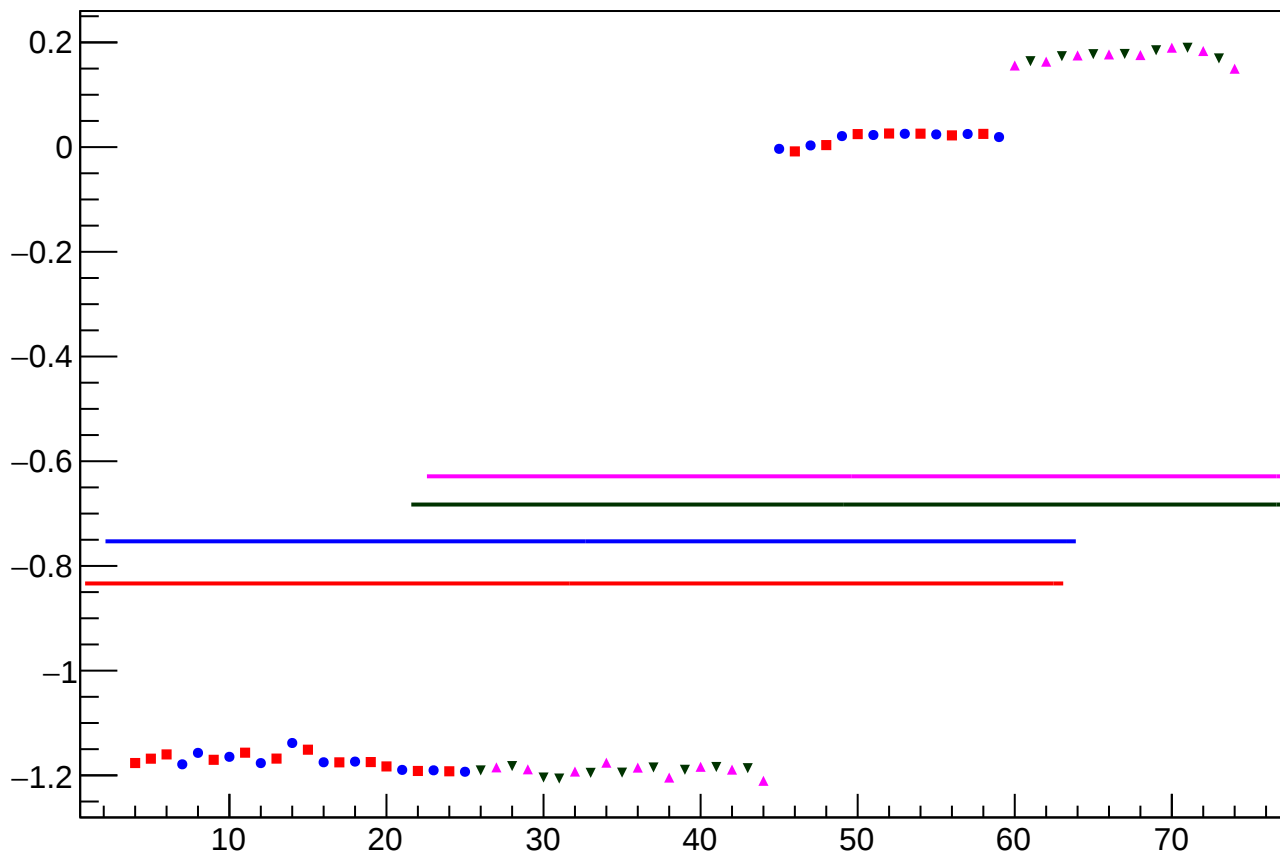
Right Out: 0.003+/-0.000 χ^2/NDF : 476230.4/18

Left In: 0.003+/-0.000 χ^2/NDF :103672.1/16

0.003+/-0.000 χ^2/NDF : 970294.9/34

0.003+/-0.000 χ^2/NDF : 580347.9/35

yield_bpm2i01X_mean vs slug



Right In: -0.753+/-0.000 χ^2/NDF : 63524502695.2/17

Left Out: -0.683+/-0.000 χ^2/NDF : 56320137975.8/16

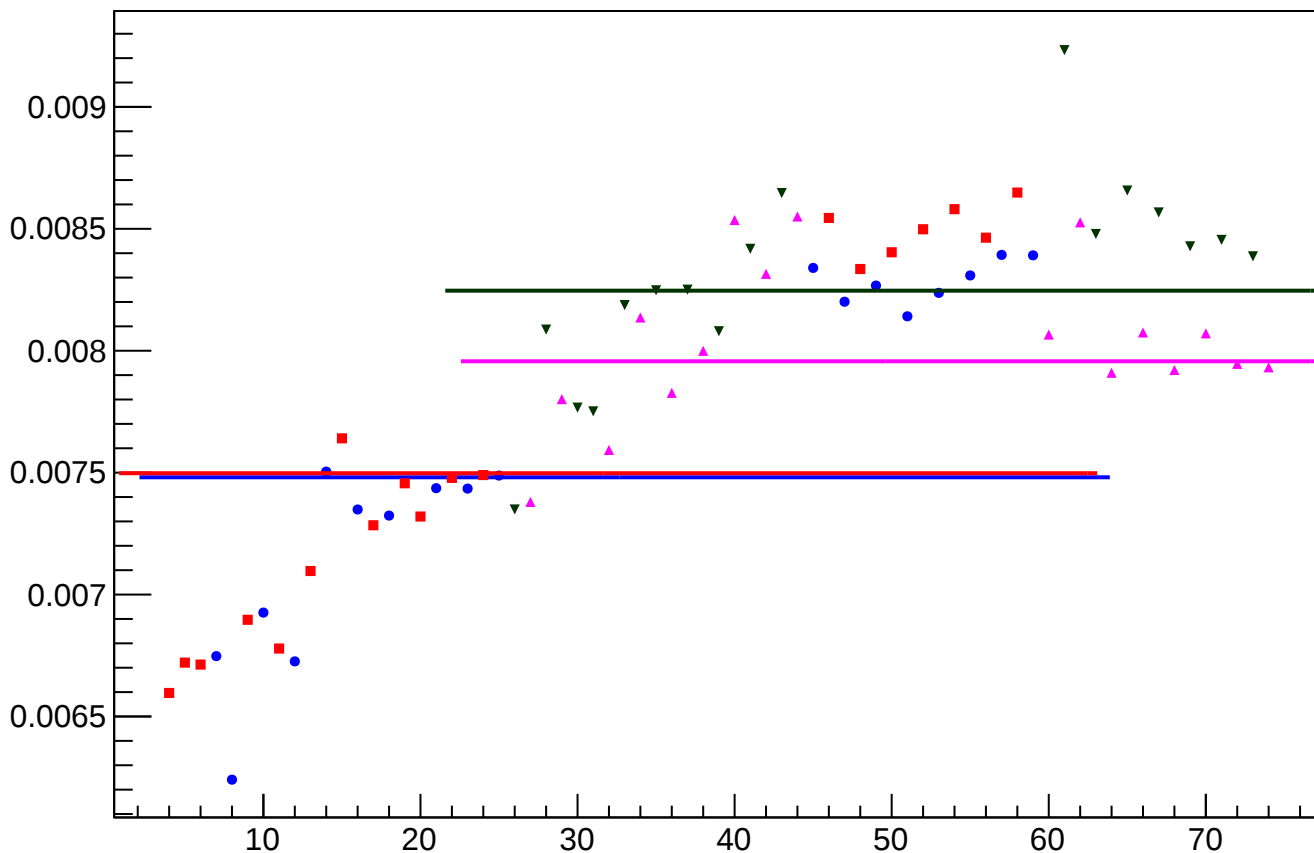
Right Out: -0.833+/-0.000 χ^2/NDF : 50332816661.3/18

Left In: -0.629+/-0.000 χ^2/NDF : 67730548738.7/16

-0.725+/-0.000 χ^2/NDF : 120230005515.3/34

-0.739+/-0.000 χ^2/NDF : 121457671251.2/35

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 : 40727.2/16

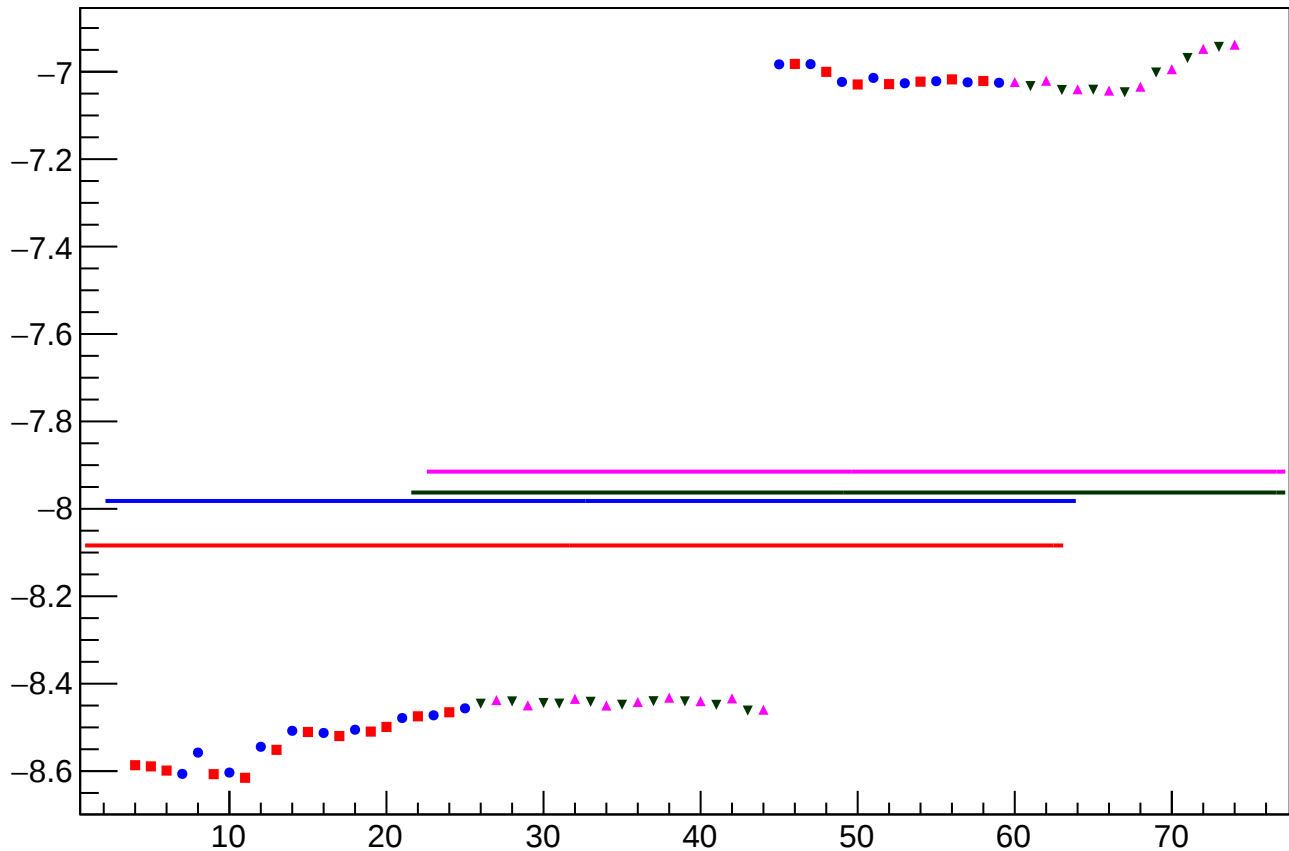
Right Out: 0.007+/-0.000 χ^2/NDF : 167417.2/18

Left In: 0.008+/-0.000 χ^2/NDF : 31766.0/16

0.008+/-0.000 χ^2/NDF : 328238.1/34

0.008+/-0.000 χ^2/NDF : 233341.3/35

yield_bpm2i01Y_mean vs slug



Right In: -7.982+/-0.000 χ^2/NDF : 116524136897.0/17

Left Out: -7.963+/-0.000 χ^2/NDF : 71995900745.5/16

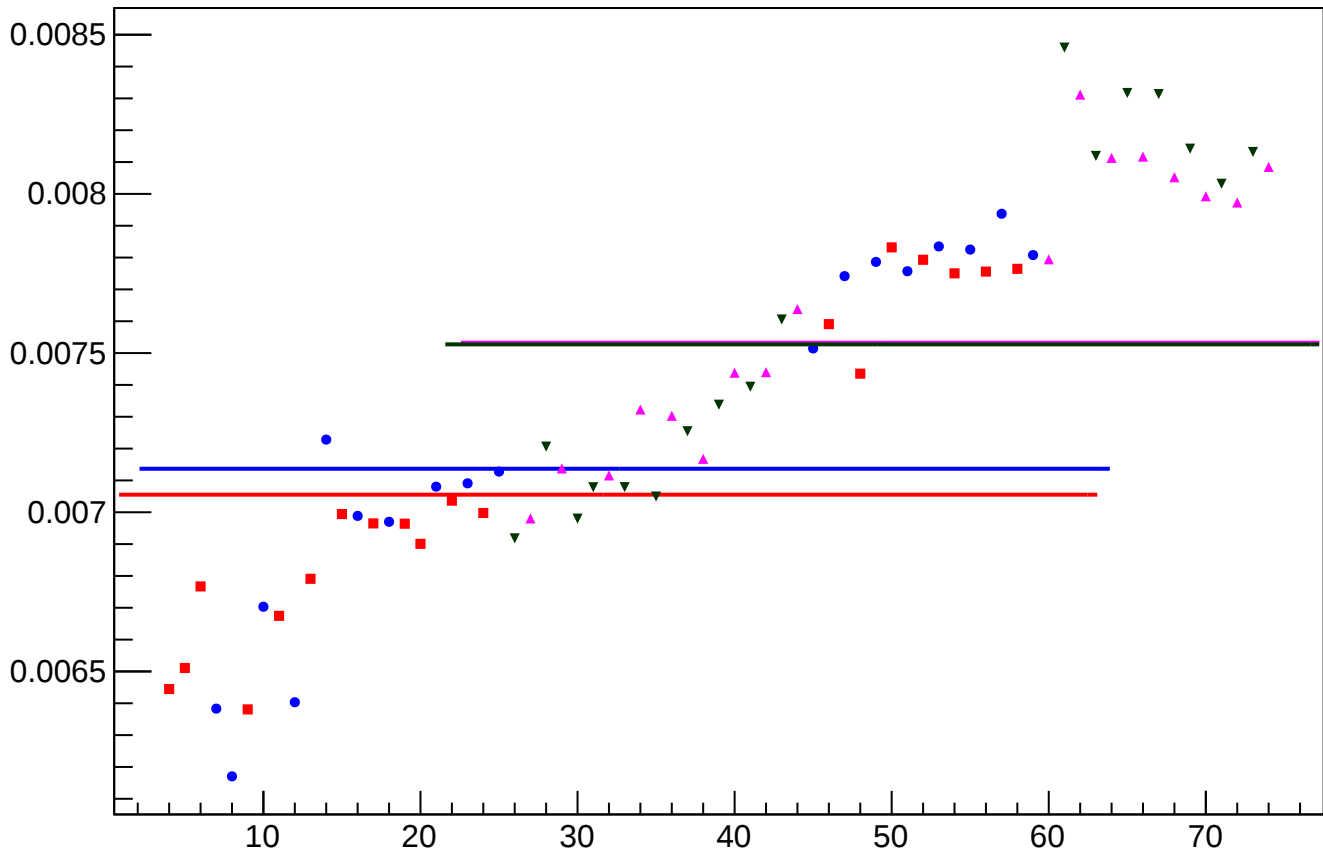
-7.974+/-0.000 χ^2/NDF : 188554093659.2/34

Right Out: -8.084+/-0.000 χ^2/NDF : 99506540389.5/18

-8.006+/-0.000 χ^2/NDF : 183649493739.0/35

Left In: -7.915+/-0.000 χ^2/NDF : 81524753149.3/16

yield_bpm2i01Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 141394.2/17

Left Out: 0.008+/-0.000 χ^2/NDF : 81717.2/16

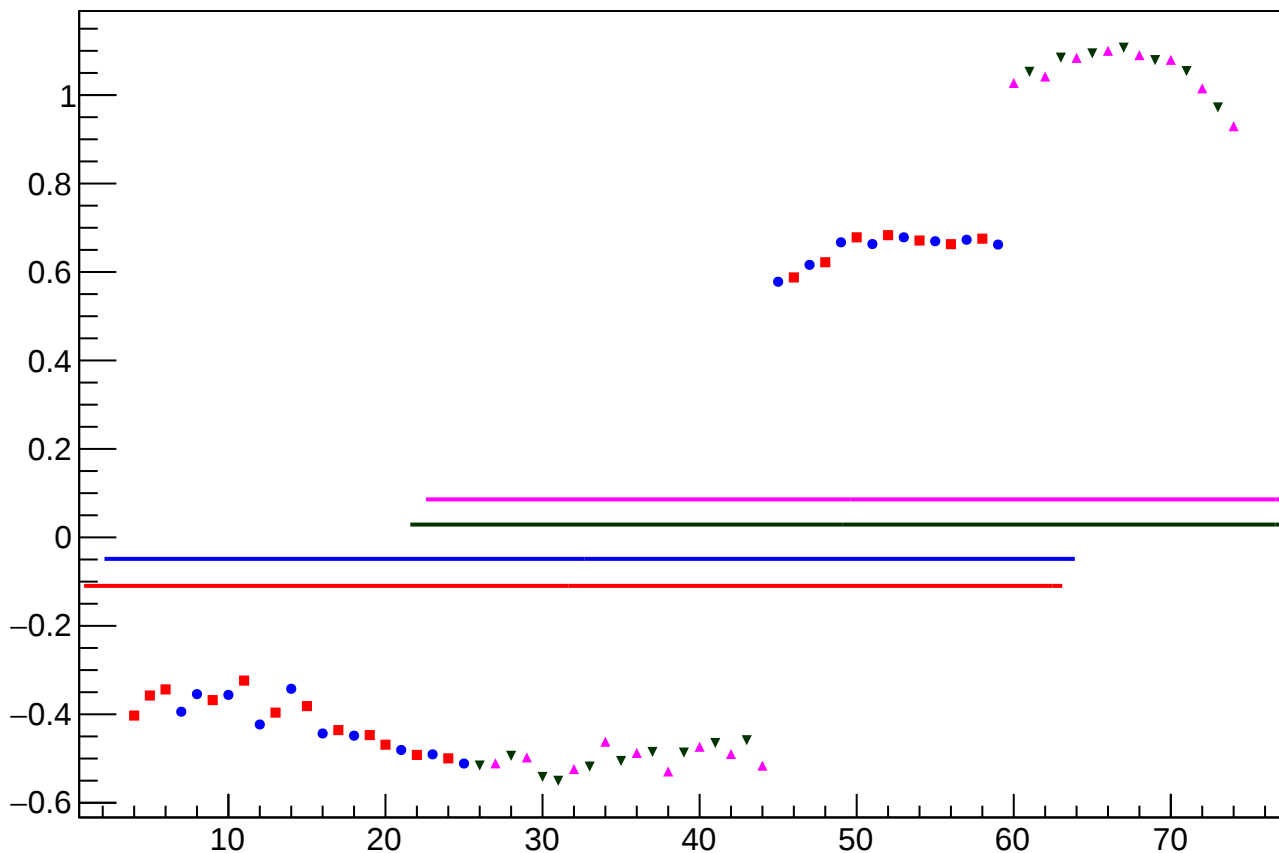
Right Out: 0.007+/-0.000 χ^2/NDF : 88863.4/18

Left In: 0.008+/-0.000 χ^2/NDF : 62657.0/16

0.007+/-0.000 χ^2/NDF : 250959.7/34

0.007+/-0.000 χ^2/NDF : 193375.4/35

yield_bpm2i02X_mean vs slug



Right In: -0.049+/-0.000 χ^2/NDF : 7806391272.8/17

Left Out: 0.029+/-0.000 χ^2/NDF :10632458838.0/16

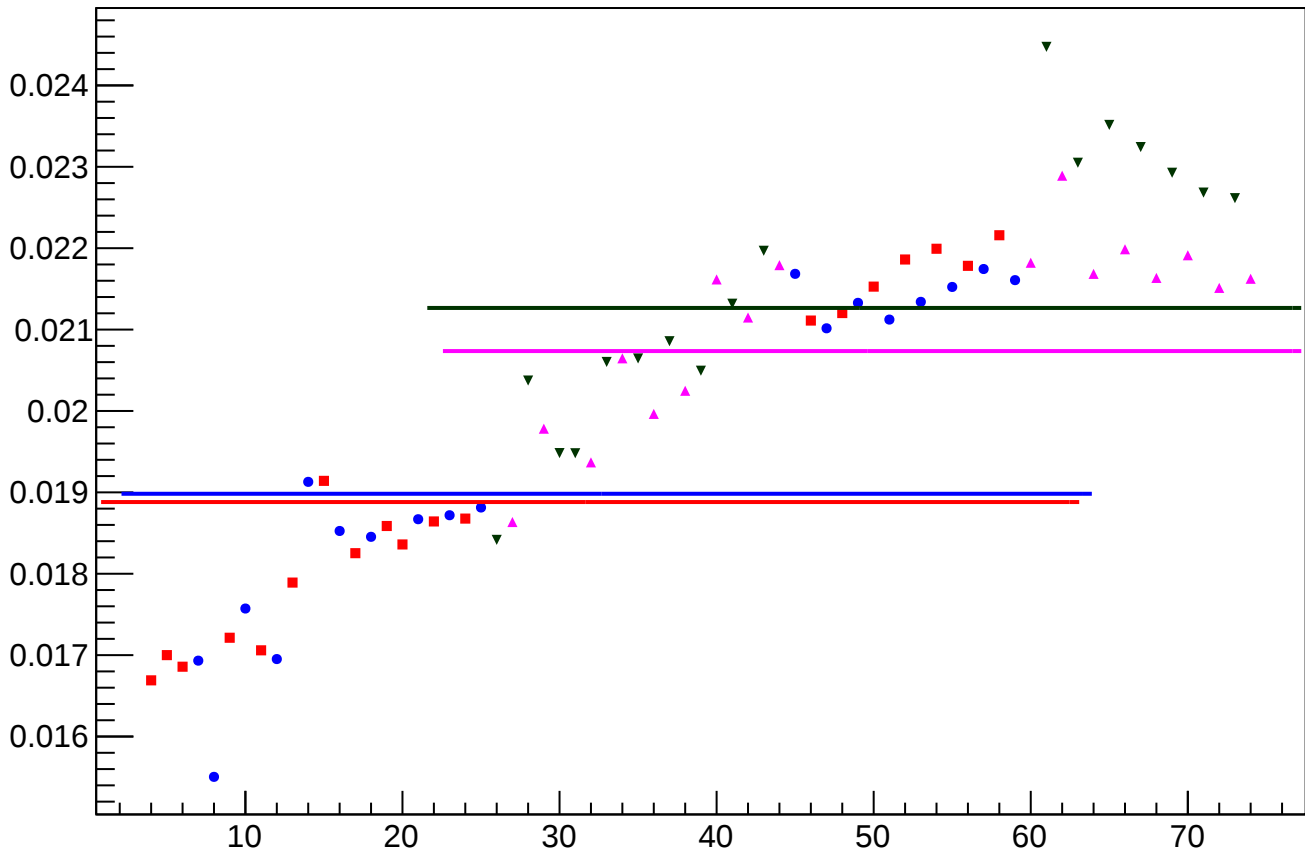
-0.019+/-0.000 χ^2/NDF : 18510283002.2/34

Right Out: -0.110+/-0.000 χ^2/NDF : 6259069670.0/18

-0.022+/-0.000 χ^2/NDF : 19318021394.4/35

Left In: 0.086+/-0.000 χ^2/NDF :12588244869.8/16

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 : 96866.9/16

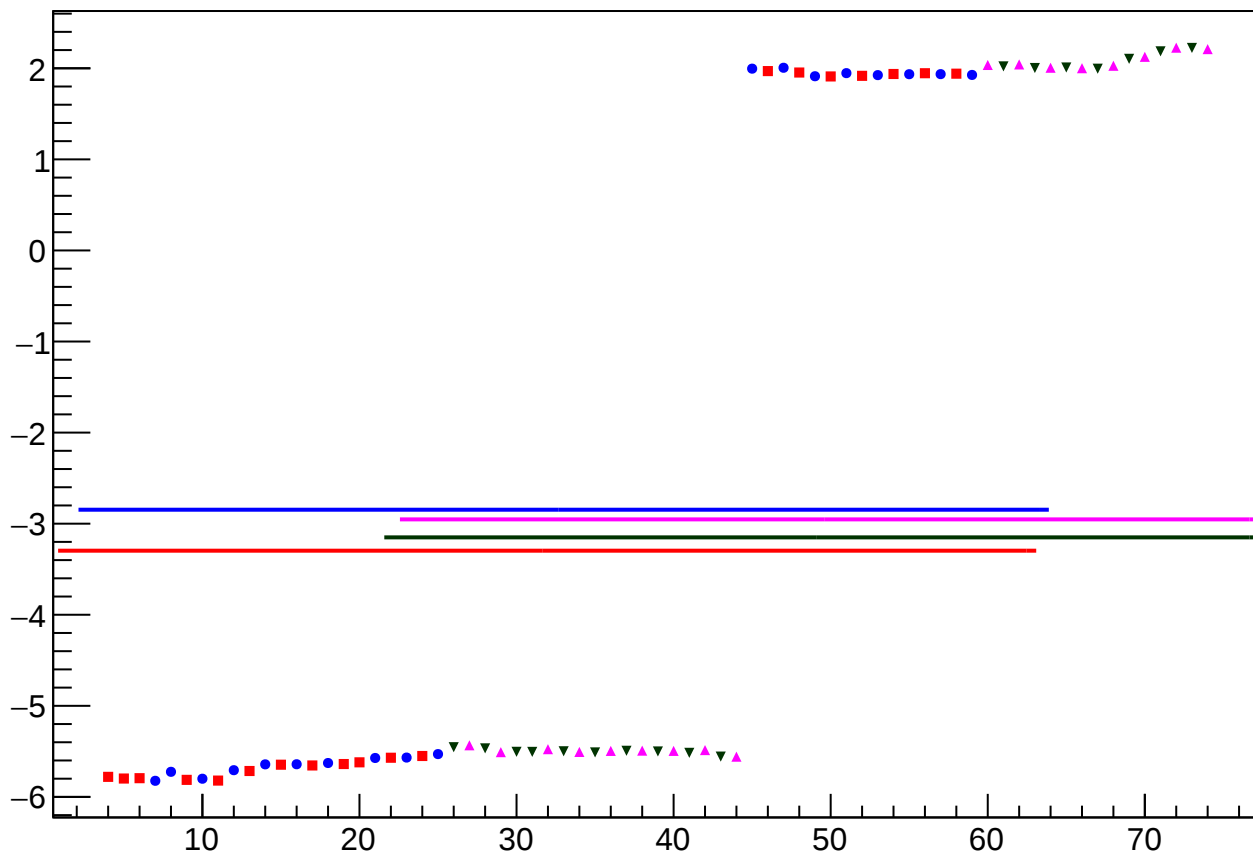
0.020+/-0.000 χ^2/NDF : 475549.6/34

Right Out: 0.019+/-0.000 χ^2/NDF : 190553.3/18

0.020+/-0.000 χ^2/NDF : 339852.2/35

Left In: 0.021+/-0.000 χ^2/NDF : 64585.5/16

yield_bpm2i02Y_mean vs slug



Right In: -2.847+/-0.000 χ^2/NDF : 988085675921.2/17

Left Out: -3.150+/-0.000 χ^2/NDF : 661296192022.1/16

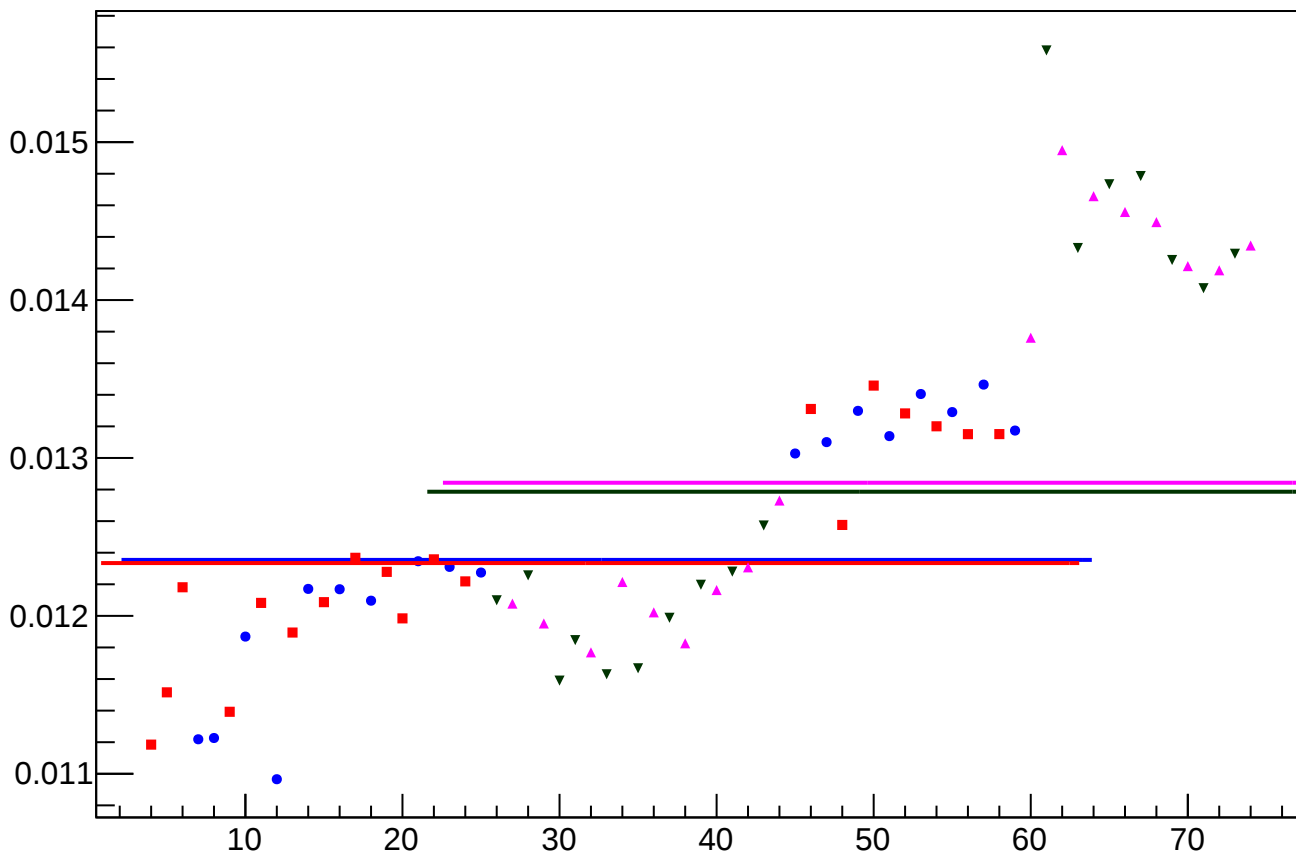
Right Out: -3.297+/-0.000 χ^2/NDF : 819050975647.4/18

Left In: -2.953+/-0.000 χ^2/NDF : 742607630699.9/16

-2.976+/-0.000 χ^2/NDF : 1652236811297.9/34

-3.134+/-0.000 χ^2/NDF : 1565280952906.3/35

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 :157249.3/16

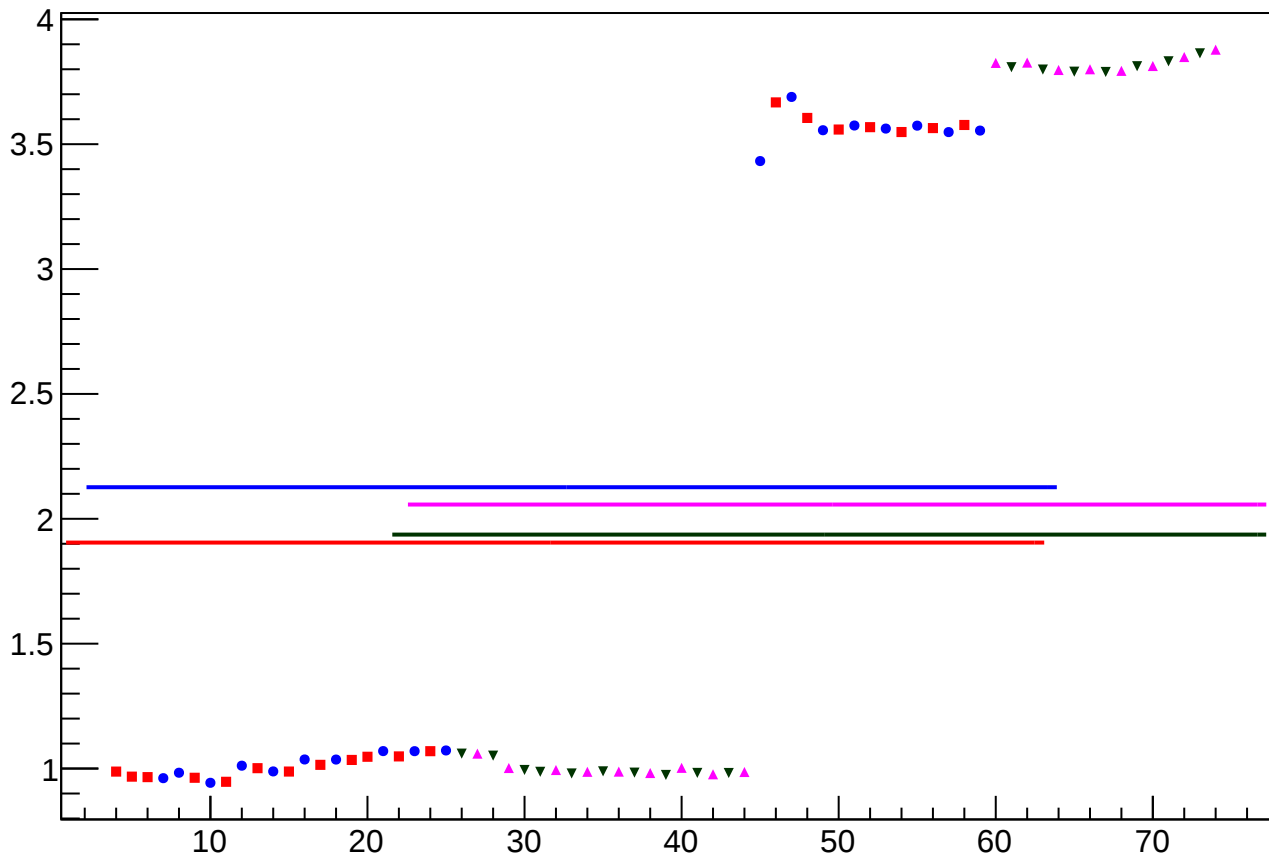
Right Out: 0.012+/-0.000 χ^2/NDF : 54886.5/18

Left In: 0.013+/-0.000 χ^2/NDF :147087.2/16

0.013+/-0.000 χ^2/NDF : 258635.9/34

0.013+/-0.000 χ^2/NDF : 217841.2/35

yield_bpm1i04X_mean vs slug



Right In: 2.126+/-0.000 χ^2/NDF : 292632575878.4/17

Left Out: 1.937+/-0.000 χ^2/NDF : 251349388383.0/16

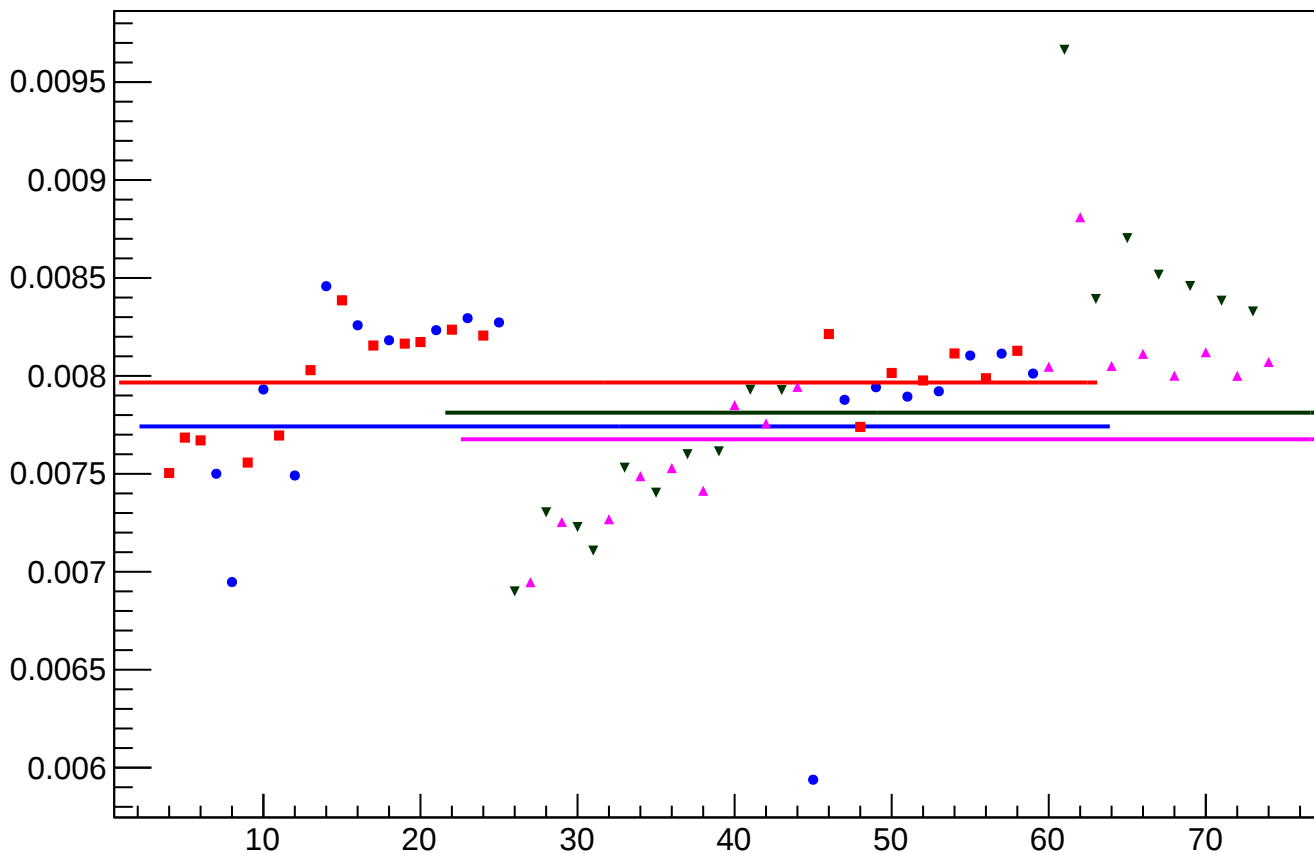
2.044+/-0.000 χ^2/NDF : 546879207091.1/34

Right Out: 1.905+/-0.000 χ^2/NDF : 236022966001.2/18

1.982+/-0.000 χ^2/NDF : 538690343490.7/35

Left In: 2.057+/-0.000 χ^2/NDF : 300830448377.0/16

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 :111184.4/16

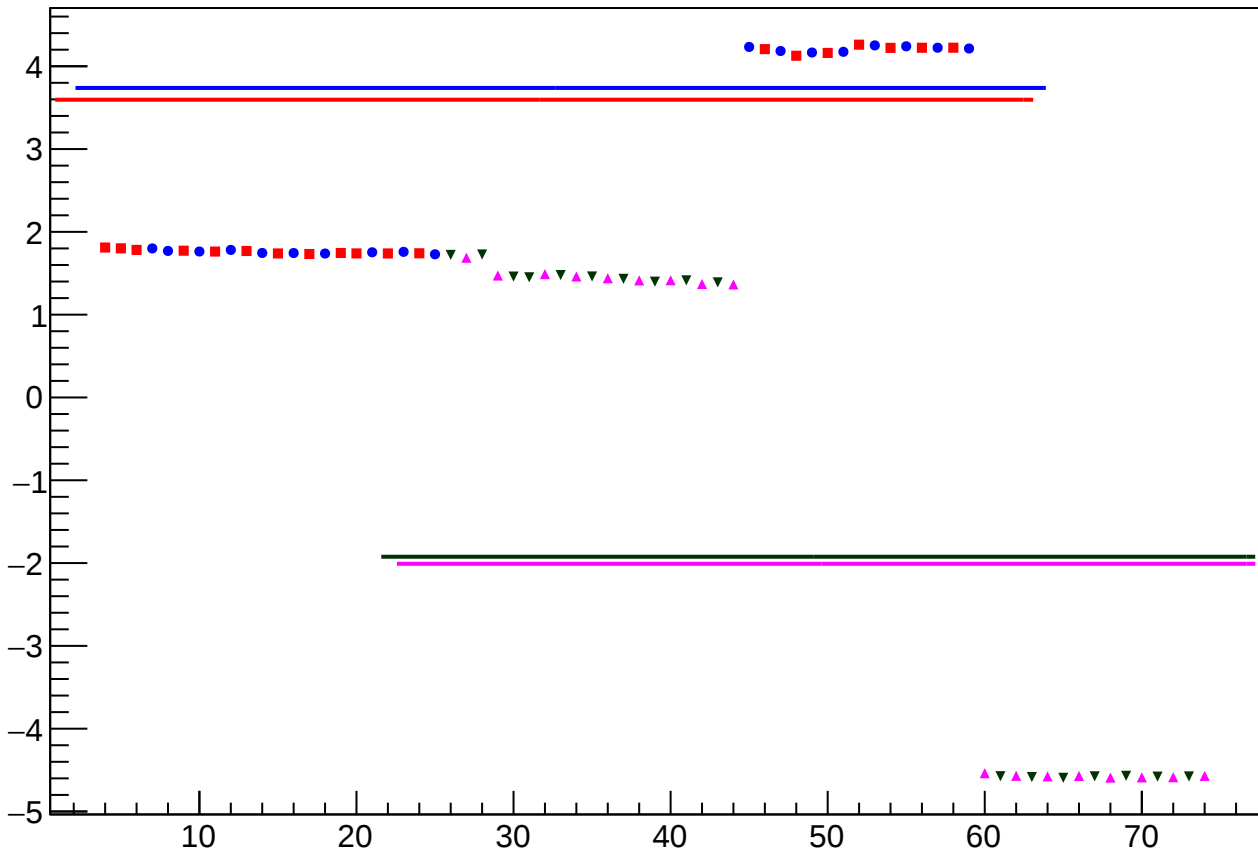
Right Out: 0.008+/-0.000 χ^2/NDF : 20073.5/18

Left In: 0.008+/-0.000 χ^2/NDF :64767.4/16

0.008+/-0.000 χ^2/NDF : 290887.6/34

0.008+/-0.000 χ^2/NDF : 98144.2/35

yield_bpm1i04Y_mean vs slug



Right In: 3.738+/-0.000 χ^2/NDF : 502669373965.6/17

Left Out: -1.923+/-0.000 χ^2/NDF : 3243423156230.3/16

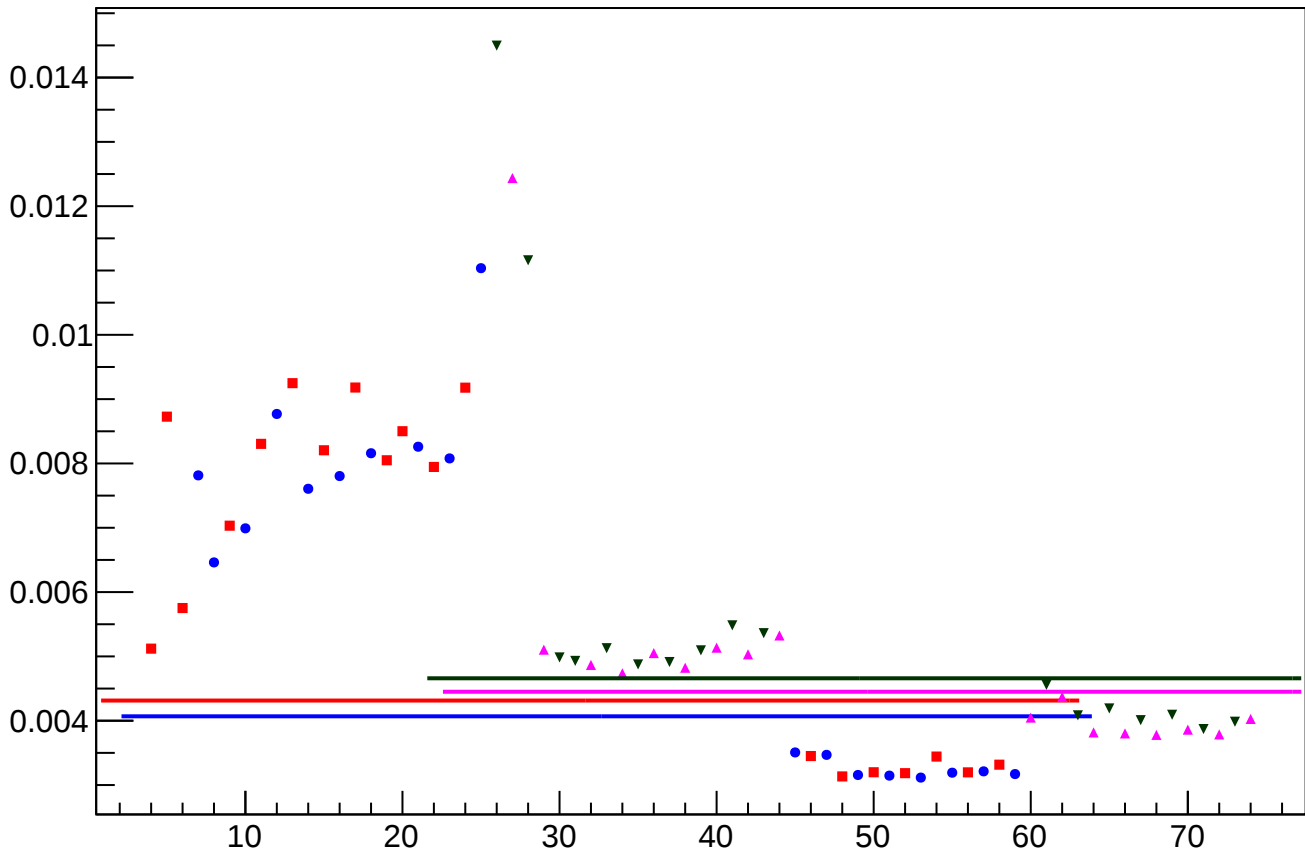
1.465+/-0.000 χ^2/NDF : 10690726662531.5/34

Right Out: 3.596+/-0.000 χ^2/NDF : 468031292414.6/18

0.728+/-0.000 χ^2/NDF : 11134174166824.0/35

Left In: -2.009+/-0.000 χ^2/NDF : 3905308051509.9/16

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 :1085907.8/16

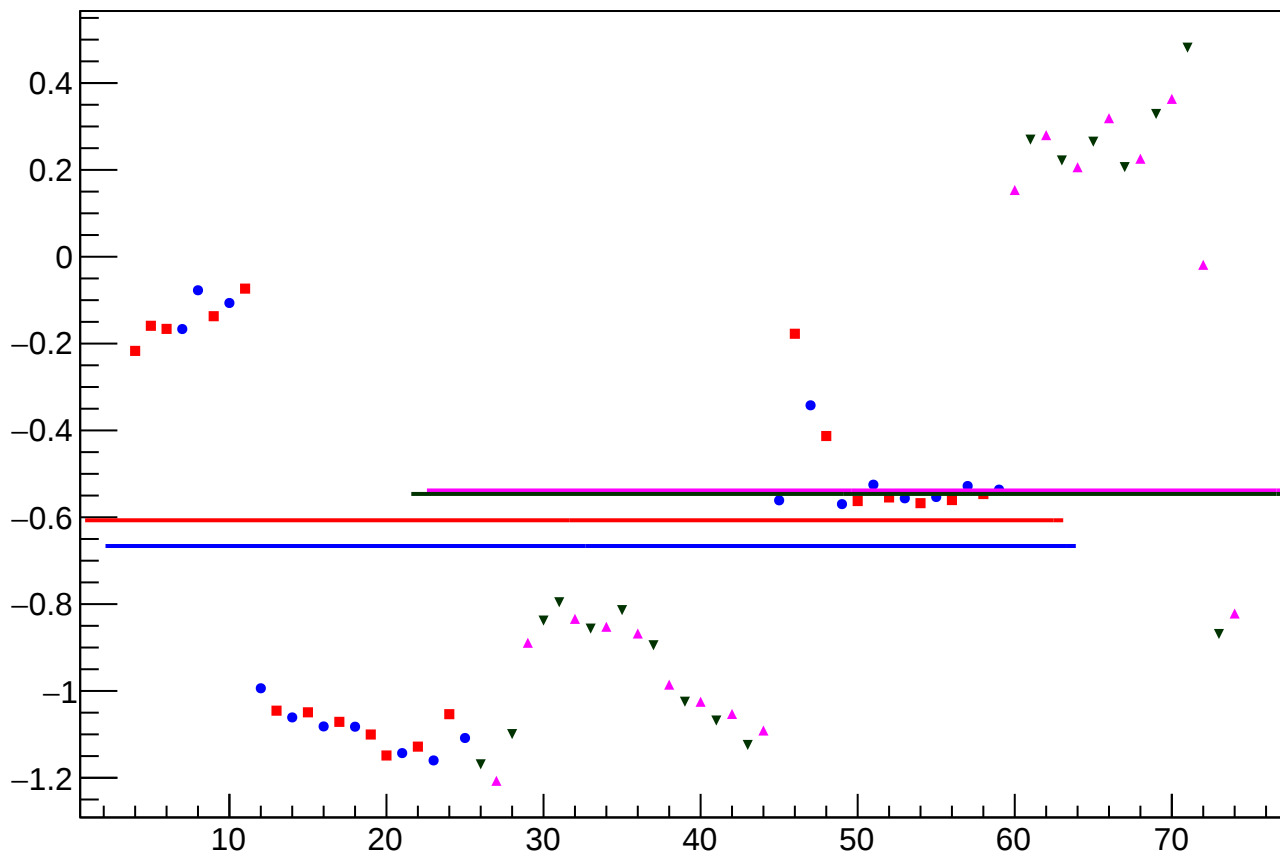
Right Out: 0.004+/-0.000 χ^2/NDF : 3241260.9/18

Left In: 0.004+/-0.000 χ^2/NDF :874018.4/16

0.004+/-0.000 χ^2/NDF : 4639083.8/34

0.004+/-0.000 χ^2/NDF : 4123308.3/35

yield_bpm0l01X_mean vs slug



Right In: -0.666+/-0.000 χ^2/NDF : 19135534349.5/17

Left Out: -0.546+/-0.000 χ^2/NDF : 38302385305.1/16

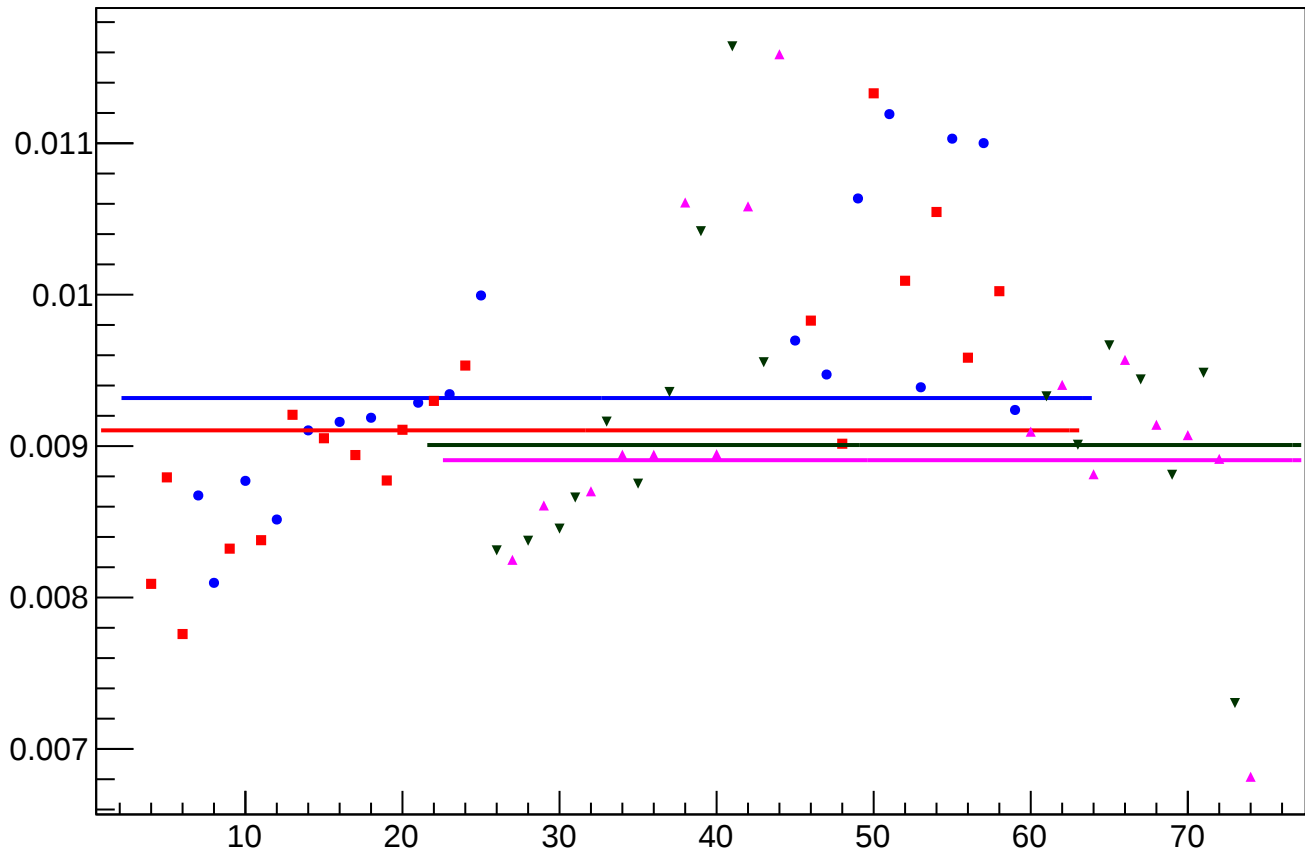
Right Out: -0.607+/-0.000 χ^2/NDF : 19217252419.4/18

Left In: -0.538+/-0.000 χ^2/NDF : 39355487490.6/16

-0.611+/-0.000 χ^2/NDF : 58264669363.6/34

-0.572+/-0.000 χ^2/NDF : 58849909551.9/35

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 :170950.7/16

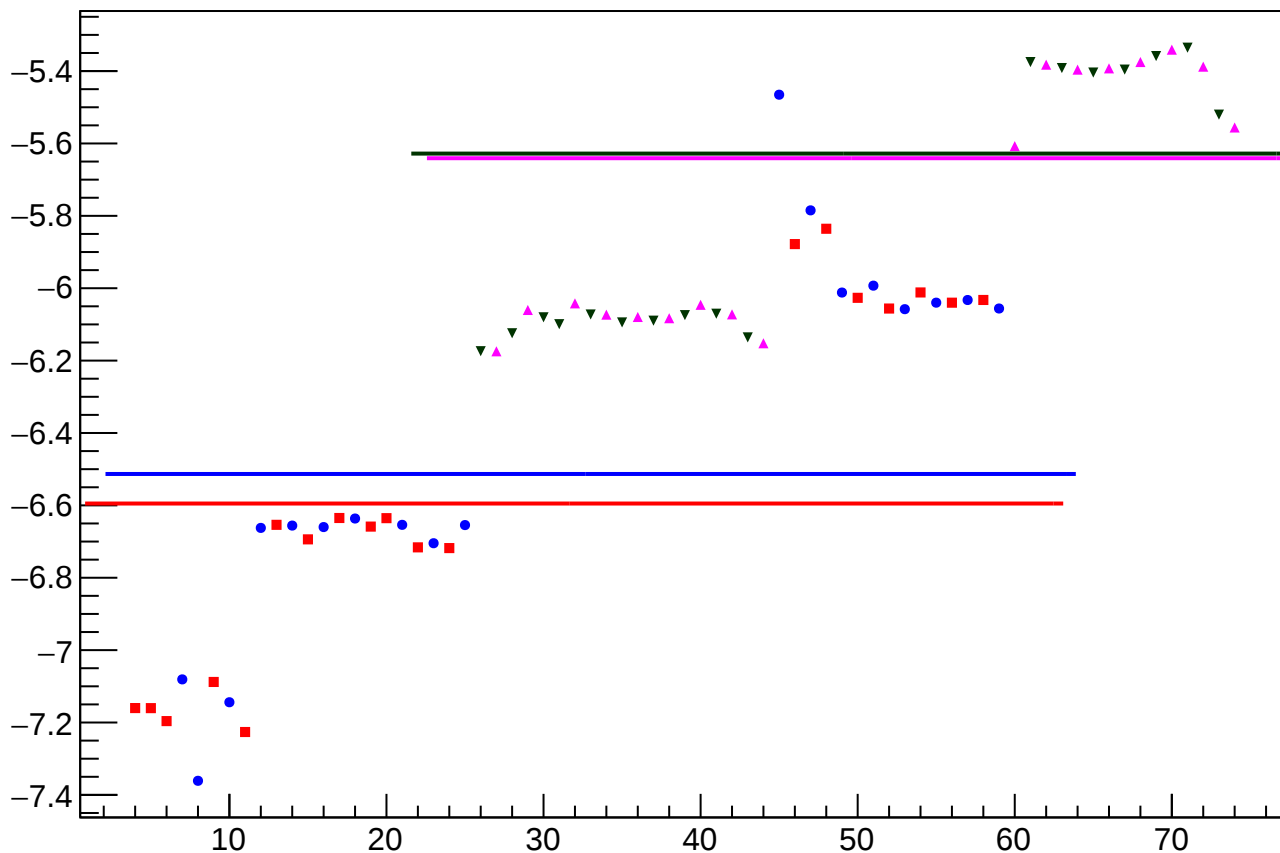
Right Out: 0.009+/-0.000 χ^2/NDF : 159092.9/18

Left In: 0.009+/-0.000 χ^2/NDF :222168.2/16

0.009+/-0.000 χ^2/NDF : 347792.4/34

0.009+/-0.000 χ^2/NDF : 385826.2/35

yield_bpm0l01Y_mean vs slug



Right In: -6.513+/-0.000 χ^2/NDF : 34103178286.6/17

Left Out: -5.628+/-0.000 χ^2/NDF :18703939133.4/16

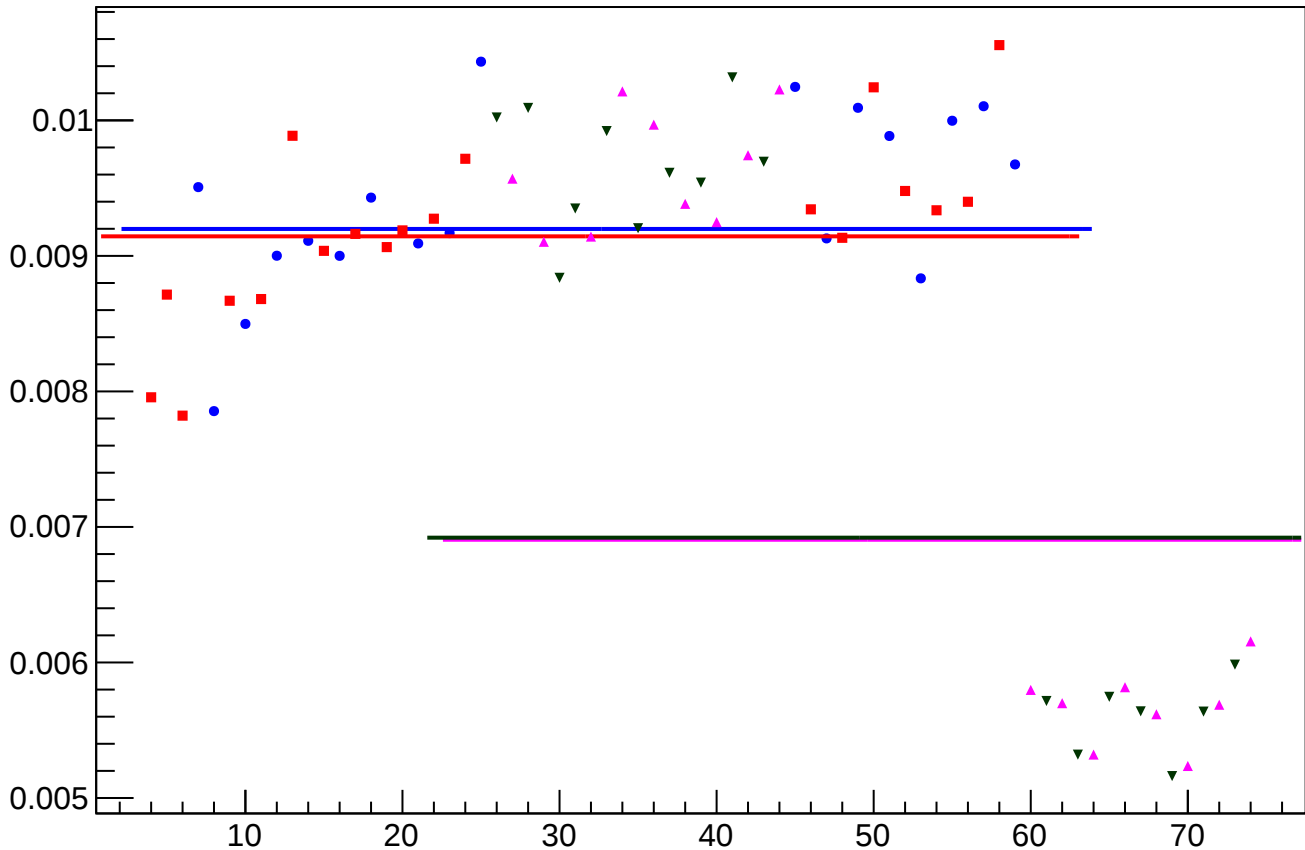
Right Out: -6.595+/-0.000 χ^2/NDF : 25777696502.6/18

Left In: -5.641+/-0.000 χ^2/NDF :18843681035.7/16

-6.013+/-0.000 χ^2/NDF : 109523496984.4/34

-6.005+/-0.000 χ^2/NDF : 108703777879.8/35

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 :1251196.3/16

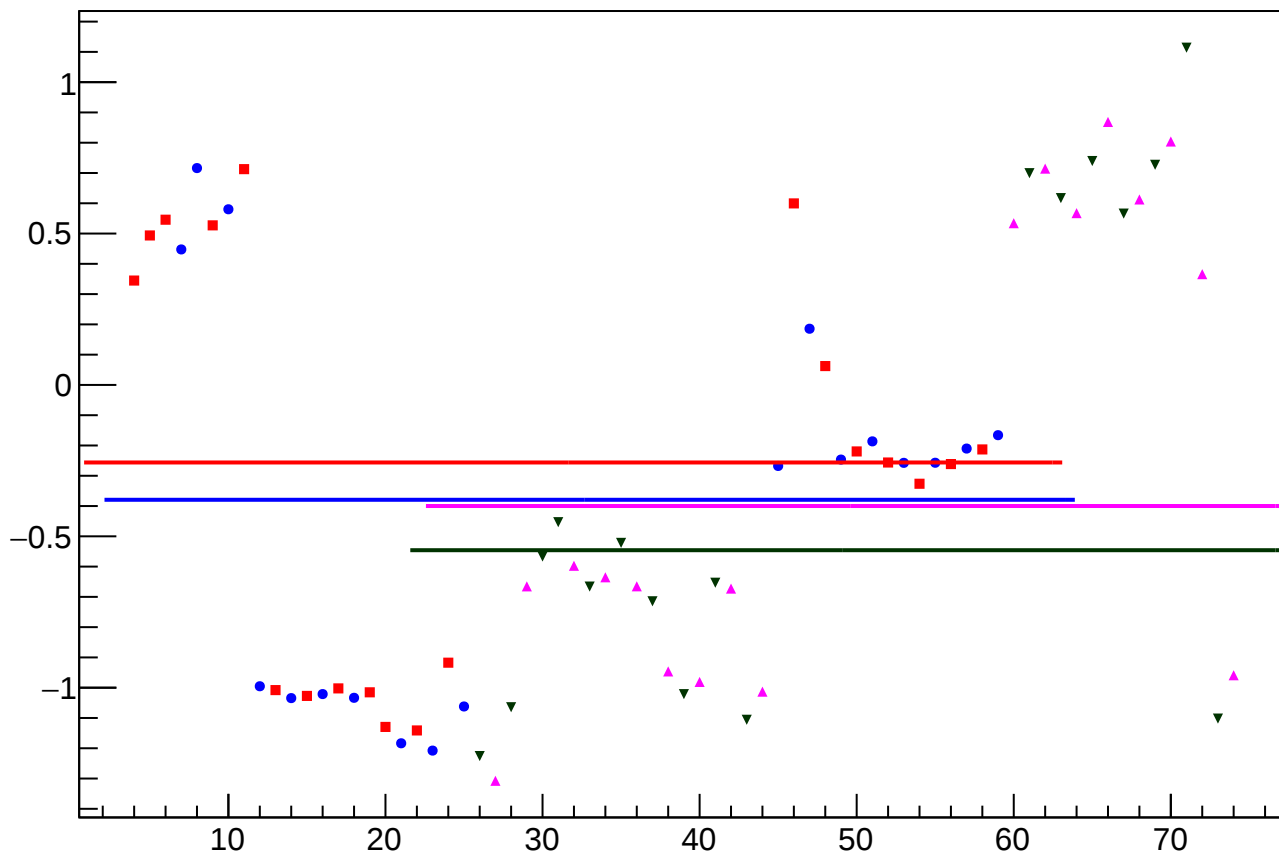
Right Out: 0.009+/-0.000 χ^2/NDF : 101222.8/18

Left In: 0.007+/-0.000 χ^2/NDF :1265450.8/16

0.008+/-0.000 χ^2/NDF : 2122813.4/34

0.008+/-0.000 χ^2/NDF : 2072255.4/35

yield_bpm0l02X_mean vs slug



Right In: -0.379+/-0.000 χ^2/NDF : 10136750548.1/17

Left Out: -0.546+/-0.000 χ^2/NDF : 22281149984.0/16

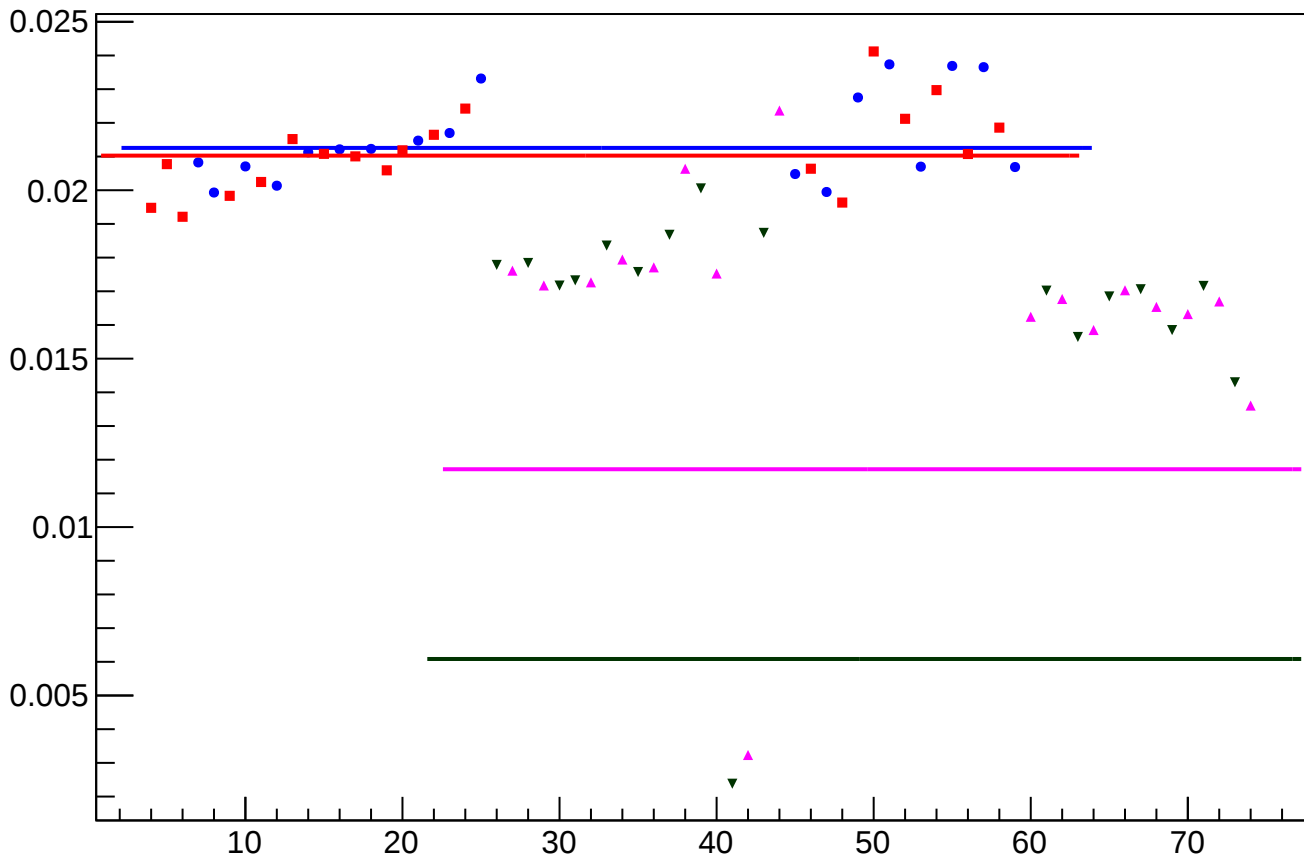
Right Out: -0.256+/-0.000 χ^2/NDF : 10103342122.6/18

Left In: -0.400+/-0.000 χ^2/NDF : 20576112198.9/16

-0.516+/-0.000 χ^2/NDF : 32971596506.2/34

-0.356+/-0.000 χ^2/NDF : 30996255284.3/35

yield_bpm0l02X_rms vs slug



Right In: 0.021 $\pm$ 0.000 χ^2/NDF : 64142.6/17

Left Out: 0.006 $\pm$ 0.000 χ^2/NDF : 9097754.6/16

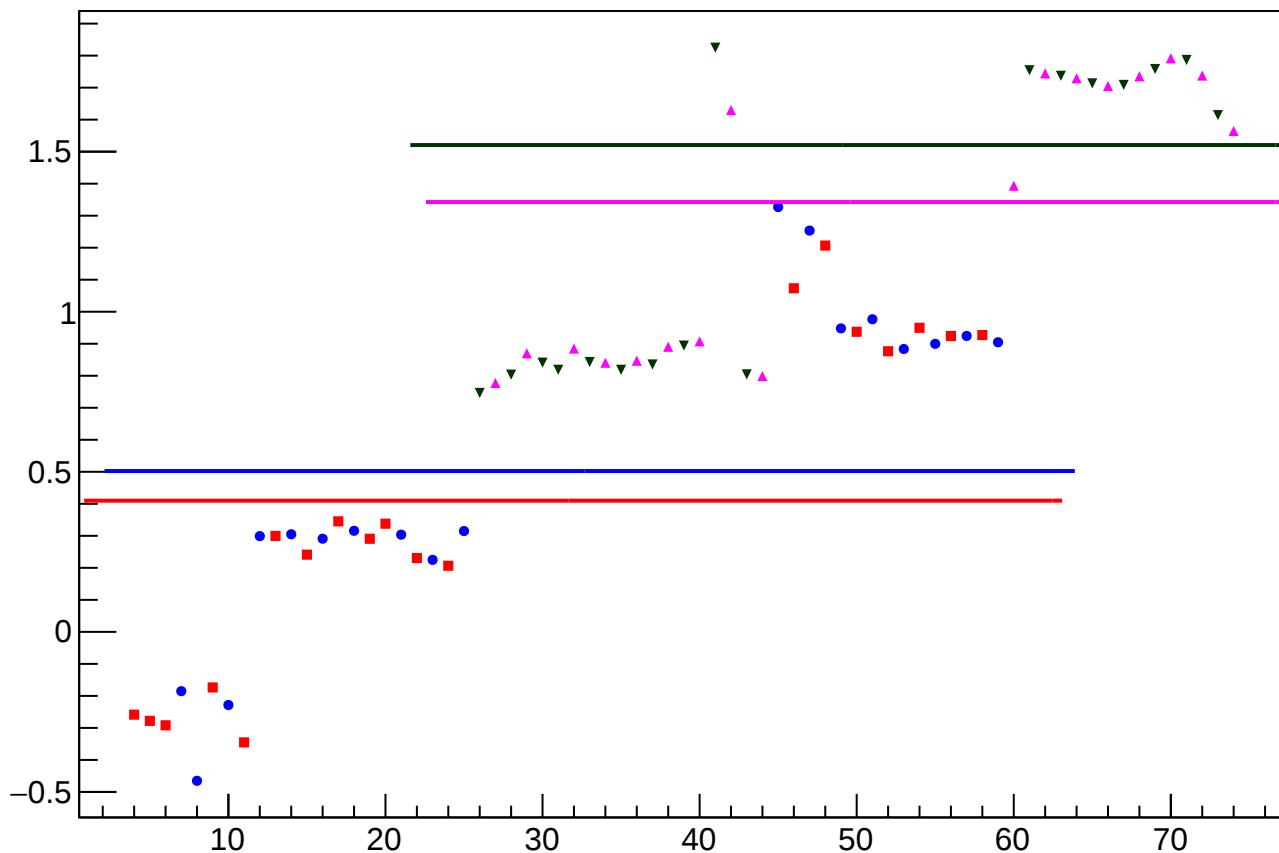
Right Out: 0.021 $\pm$ 0.000 χ^2/NDF : 62886.6/18

Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 4679598.3/16

0.009 $\pm$ 0.000 χ^2/NDF : 18353506.0/34

0.015 $\pm$ 0.000 χ^2/NDF : 7399051.6/35

yield_bpm0l02Y_mean vs slug



Right In: 0.502 ± 0.000 χ^2/NDF : 19155654908.3/17

Left Out: 1.521 ± 0.000 χ^2/NDF : 22511002673.3/16

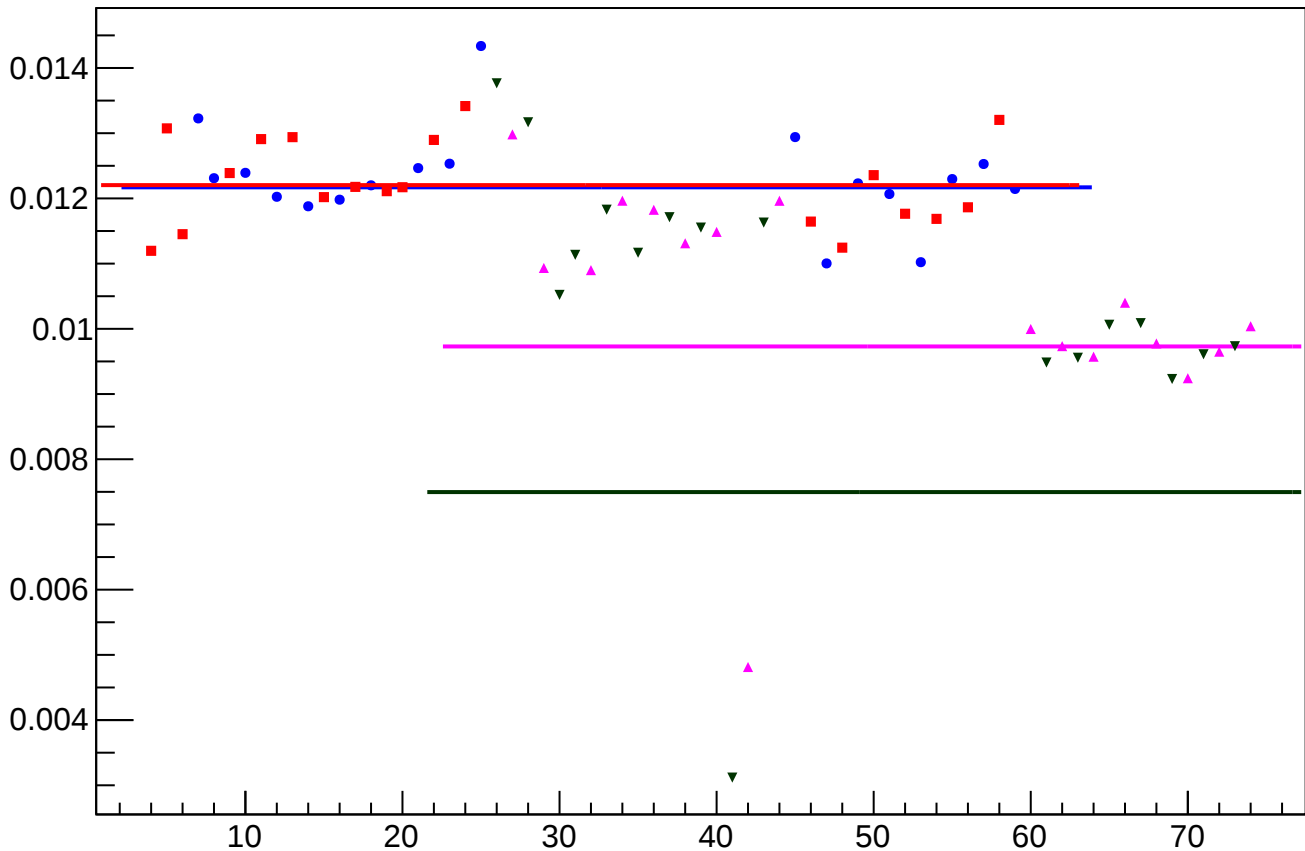
Right Out: 0.410 ± 0.000 χ^2/NDF : 16439315084.0/18

Left In: 1.343 ± 0.000 χ^2/NDF : 15453592840.7/16

1.137 ± 0.000 χ^2/NDF : 89396729703.5/34

0.962 ± 0.000 χ^2/NDF : 65155848663.5/35

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:3569168.2/16

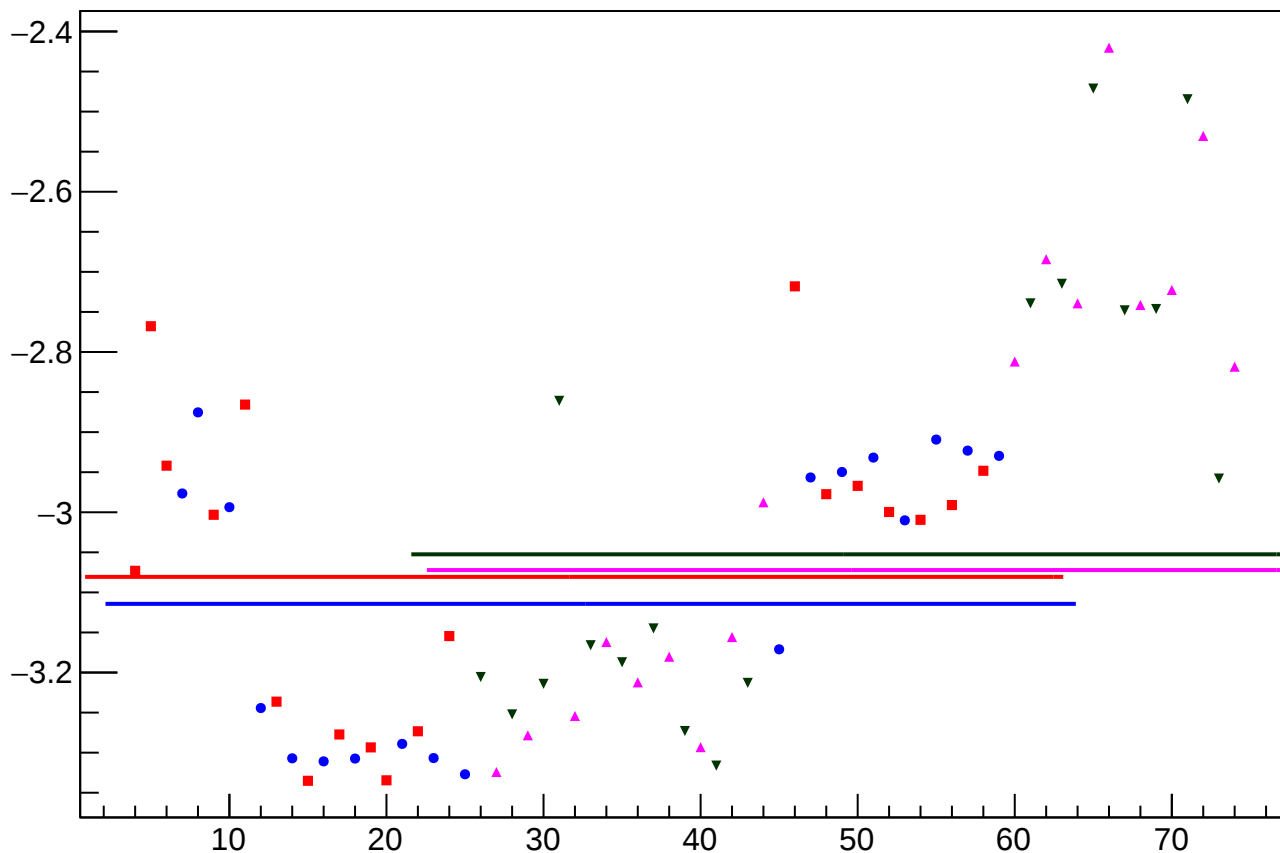
0.009 $\pm$ 0.000 χ^2 /NDF: 5625633.7/34

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 53181.0/18

0.011 $\pm$ 0.000 χ^2 /NDF: 1509725.1/35

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:988602.0/16

yield_bpm0l03X_mean vs slug



Right In: -3.114+/-0.000 χ^2/NDF : 4627659924.1/17

Left Out: -3.052+/-0.000 χ^2/NDF : 10240519071.2/16

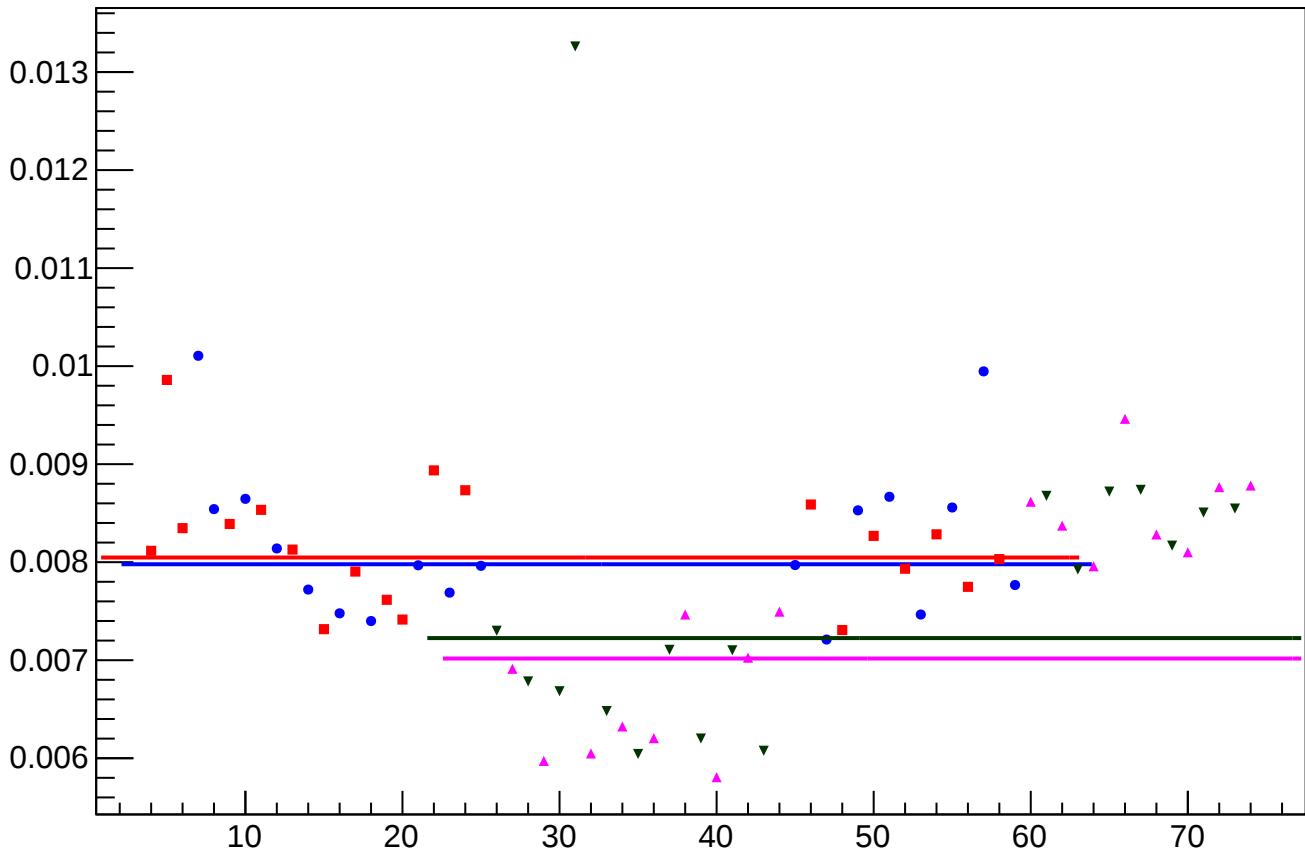
Right Out: -3.081+/-0.000 χ^2/NDF : 3839311184.0/18

Left In: -3.072+/-0.000 χ^2/NDF : 11646102257.7/16

-3.084+/-0.000 χ^2/NDF : 15150169129.3/34

-3.076+/-0.000 χ^2/NDF : 15490708299.2/35

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 : 377057.3/16

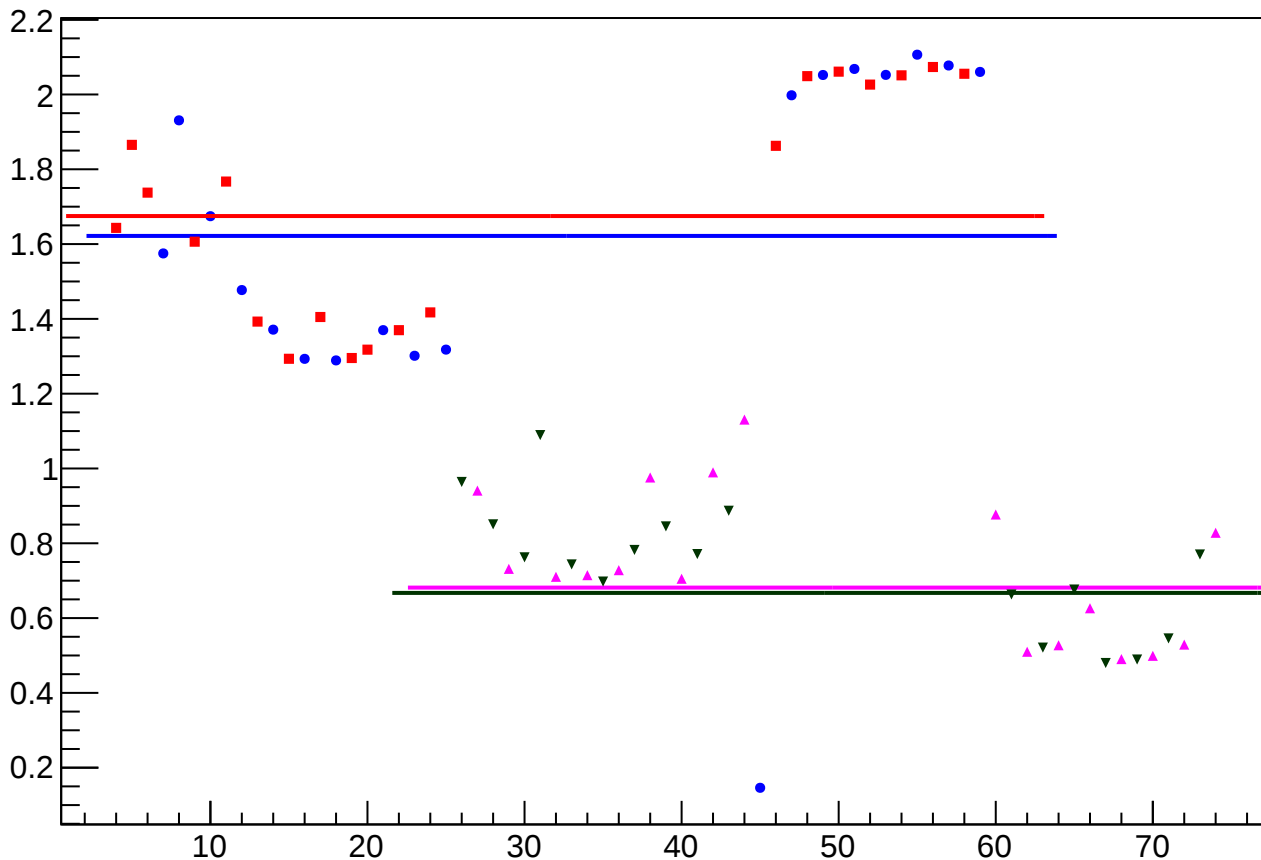
Right Out: 0.008+/-0.000 χ^2/NDF : 57509.8/18

Left In: 0.007+/-0.000 χ^2/NDF : 394187.3/16

0.008+/-0.000 χ^2/NDF : 556100.2/34

0.007+/-0.000 χ^2/NDF : 607278.1/35

yield_bpm0l03Y_mean vs slug



Right In: 1.622 $\pm$ 0.000 χ^2 /NDF: 26006902897.9/17

Left Out: 0.667 $\pm$ 0.000 χ^2 /NDF:3038593158.2/16

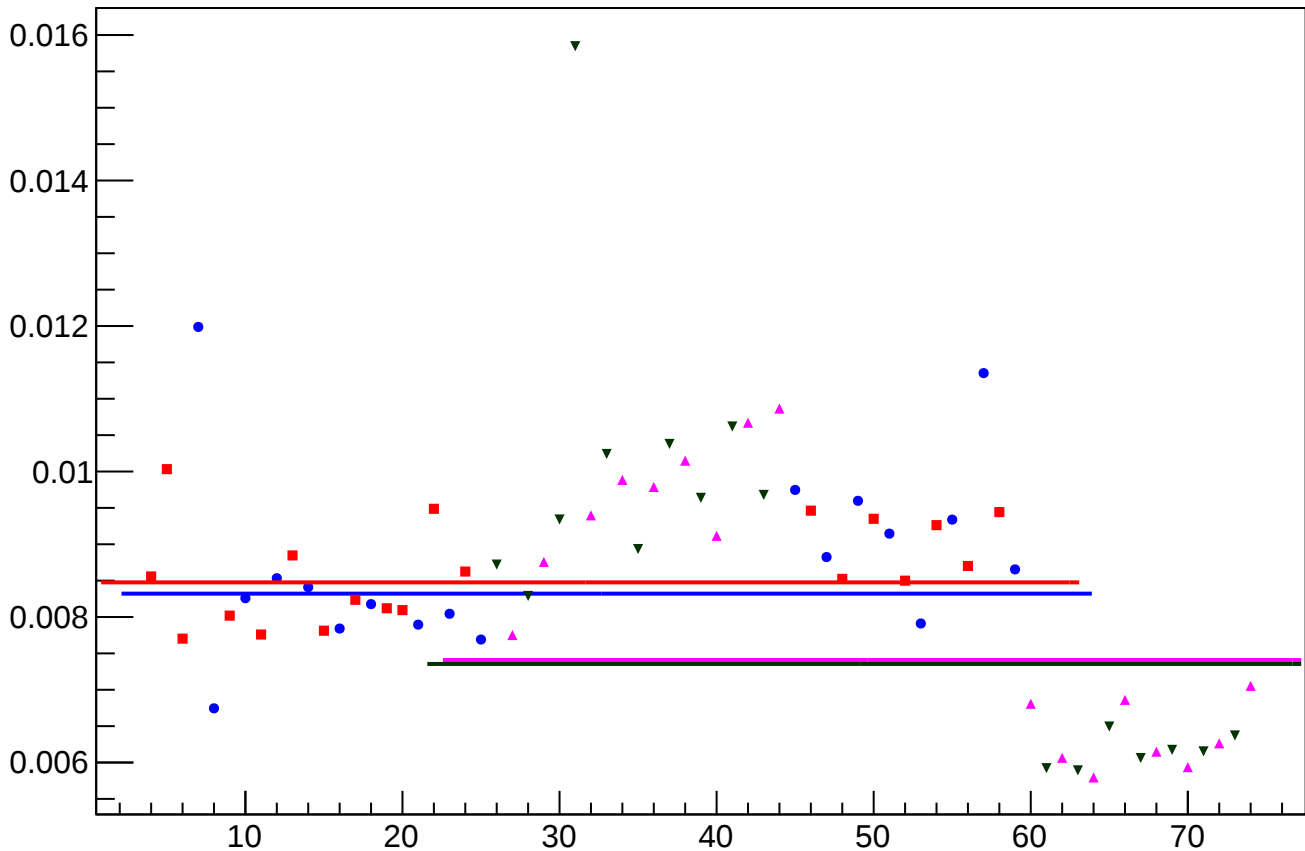
1.147 $\pm$ 0.000 χ^2 /NDF: 90279583704.4/34

Right Out: 1.675 $\pm$ 0.000 χ^2 /NDF: 9809193440.2/18

1.115 $\pm$ 0.000 χ^2 /NDF: 77835714615.8/35

Left In: 0.682 $\pm$ 0.000 χ^2 /NDF:4680108180.8/16

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 :865663.4/16

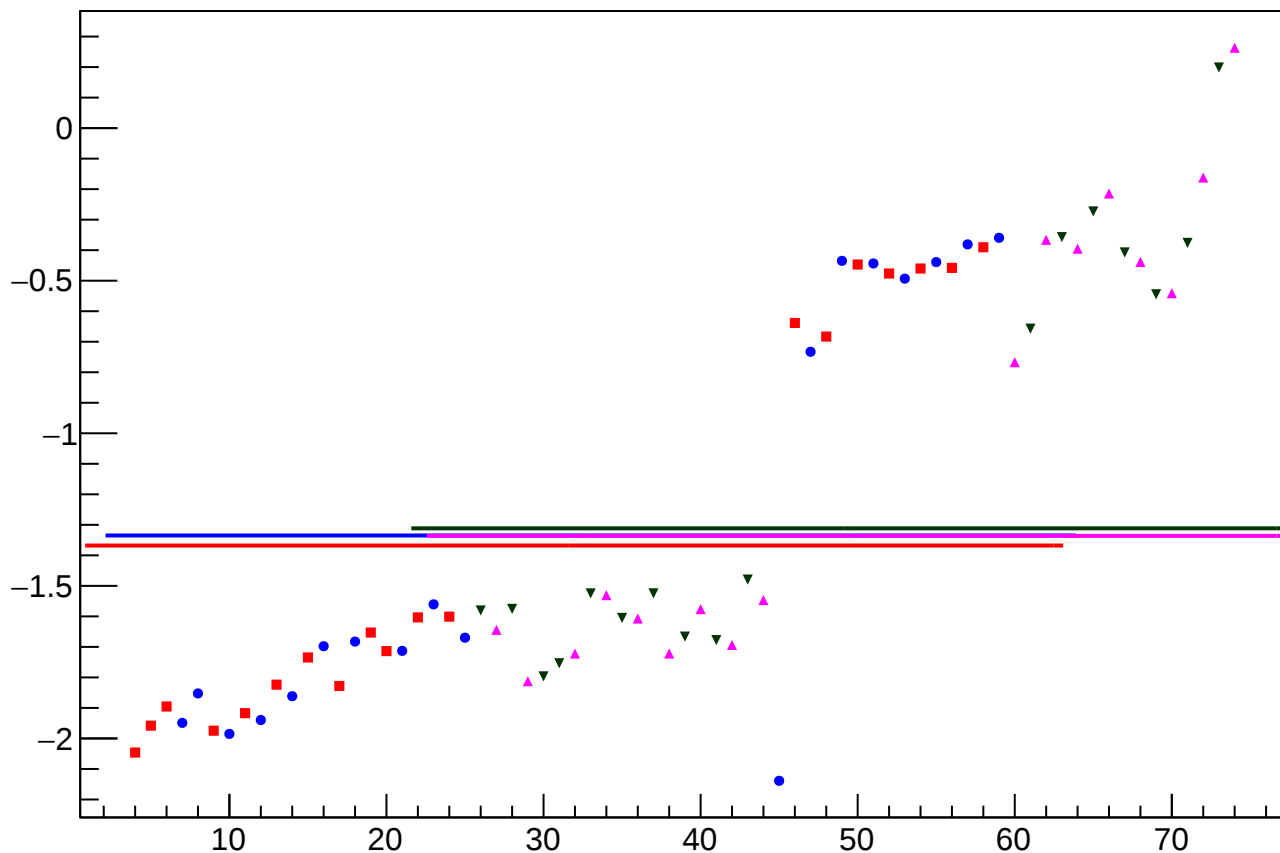
Right Out: 0.008+/-0.000 χ^2/NDF : 80155.6/18

Left In: 0.007+/-0.000 χ^2/NDF :734465.6/16

0.008+/-0.000 χ^2/NDF : 1222504.0/34

0.008+/-0.000 χ^2/NDF : 960907.3/35

yield_bpm0l04X_mean vs slug



Right In: -1.335+/-0.000 χ^2/NDF : 38397269291.9/17

Left Out: -1.311+/-0.000 χ^2/NDF : 15110245195.5/16

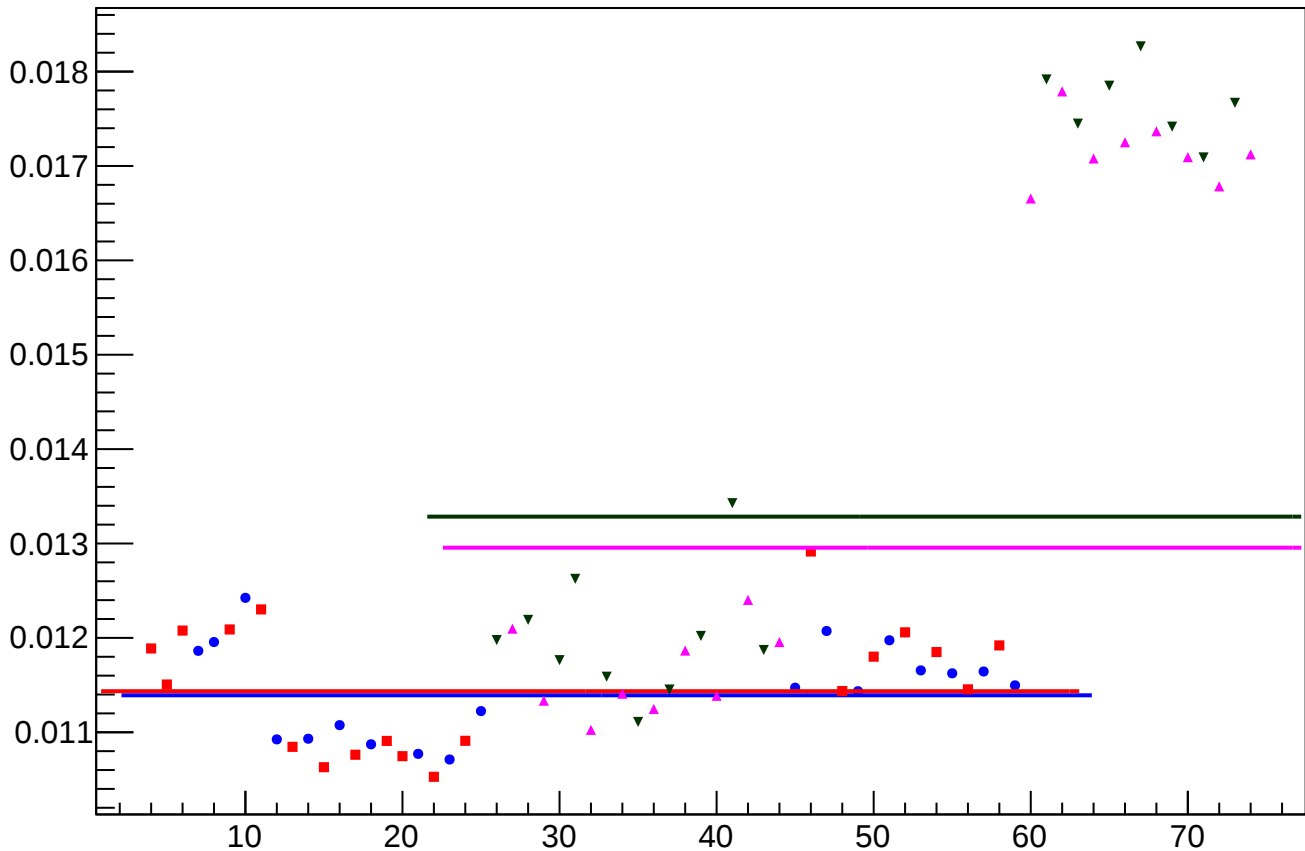
Right Out: -1.368+/-0.000 χ^2/NDF : 29057521992.7/18

Left In: -1.336+/-0.000 χ^2/NDF : 19755762176.3/16

-1.326+/-0.000 χ^2/NDF : 53524294958.8/34

-1.354+/-0.000 χ^2/NDF : 48845066034.9/35

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 : 588448.1/16

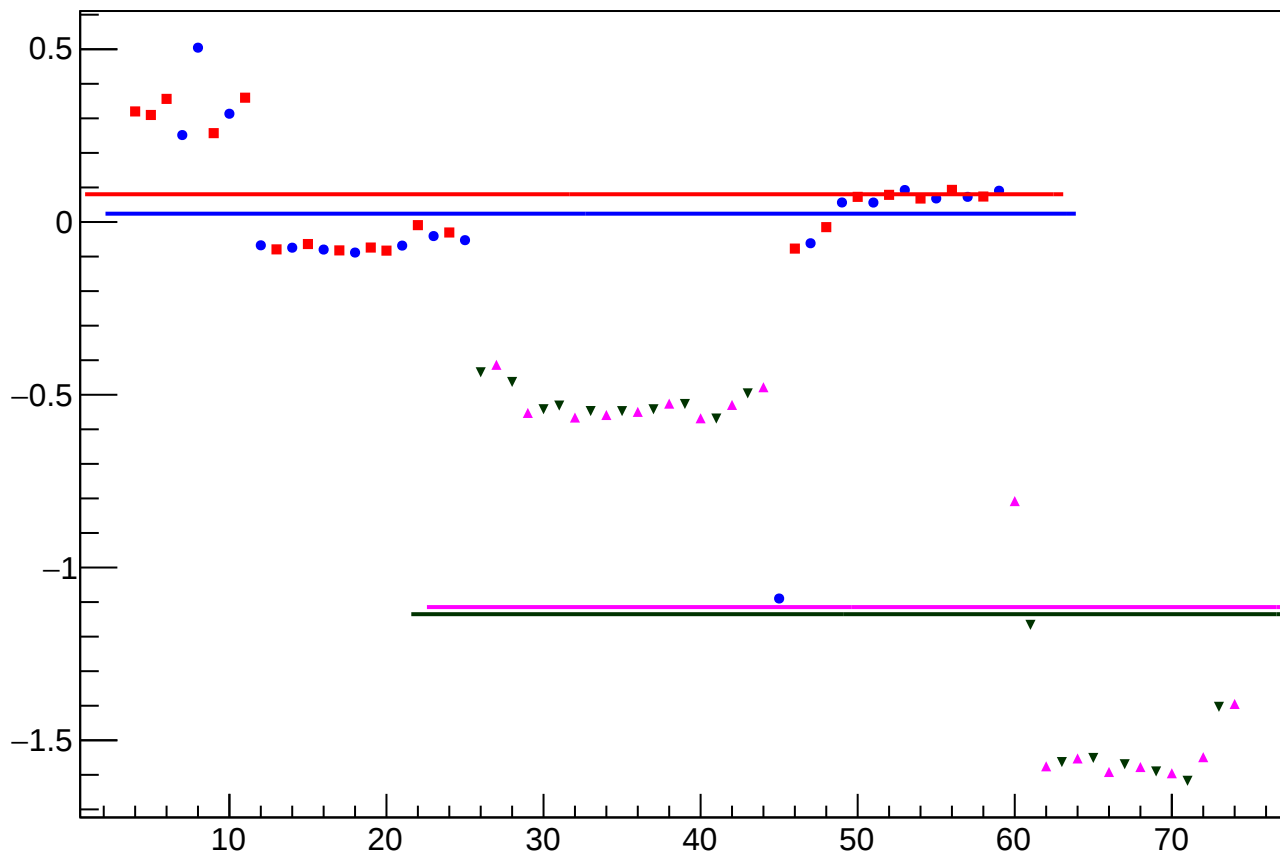
Right Out: 0.011 $\pm$ 0.000 χ^2/NDF : 65676.1/18

Left In: 0.013 $\pm$ 0.000 χ^2/NDF : 656594.9/16

0.012 $\pm$ 0.000 χ^2/NDF : 850494.7/34

0.012 $\pm$ 0.000 χ^2/NDF : 869411.8/35

yield_bpm0l04Y_mean vs slug



Right In: 0.024+/-0.000 χ^2/NDF : 18234538167.9/17

Left Out: -1.135+/-0.000 χ^2/NDF : 50755152313.1/16

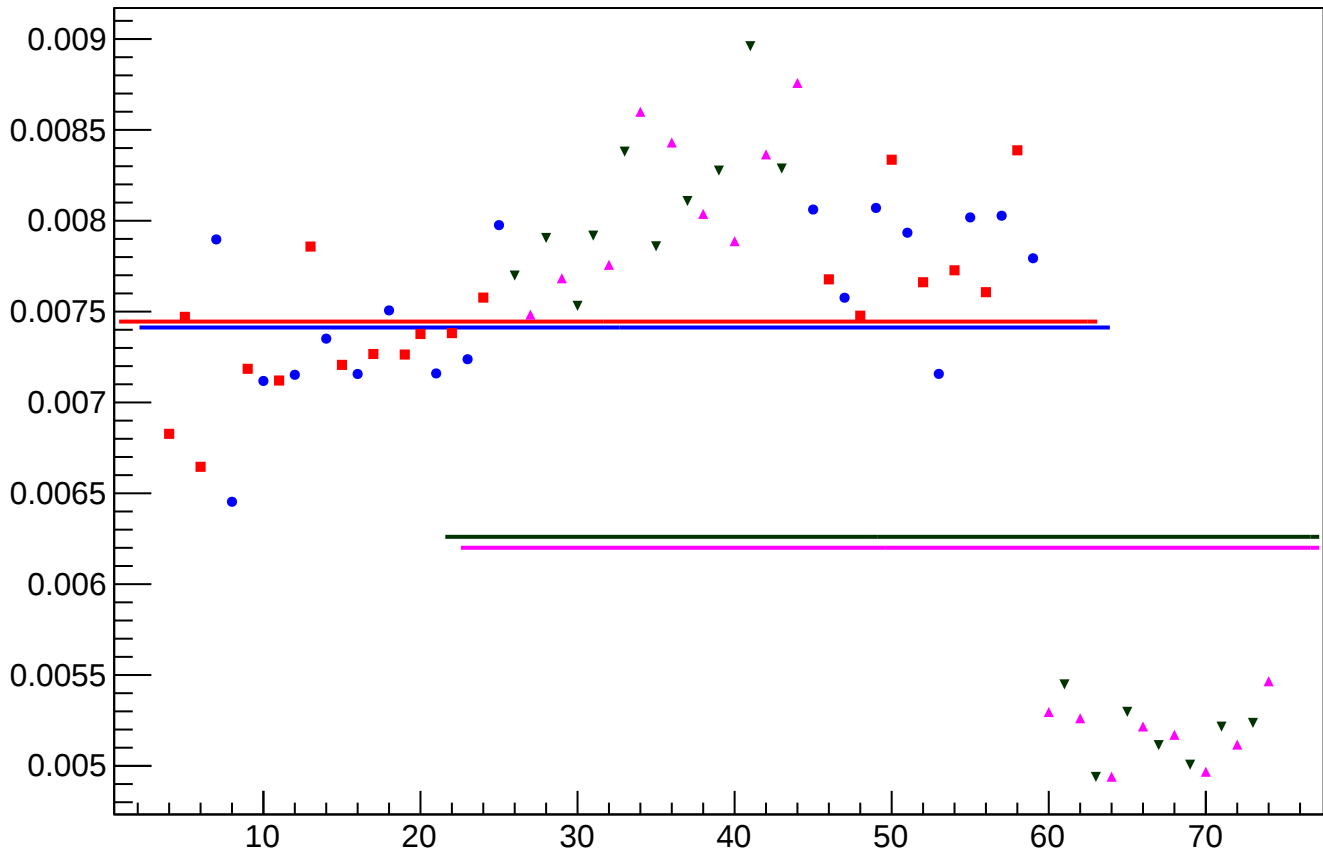
Right Out: 0.080+/-0.000 χ^2/NDF : 4561023053.2/18

Left In: -1.114+/-0.000 χ^2/NDF : 57585851739.5/16

-0.570+/-0.000 χ^2/NDF : 205589537039.3/34

-0.609+/-0.000 χ^2/NDF : 204239334299.3/35

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 :856737.0/16

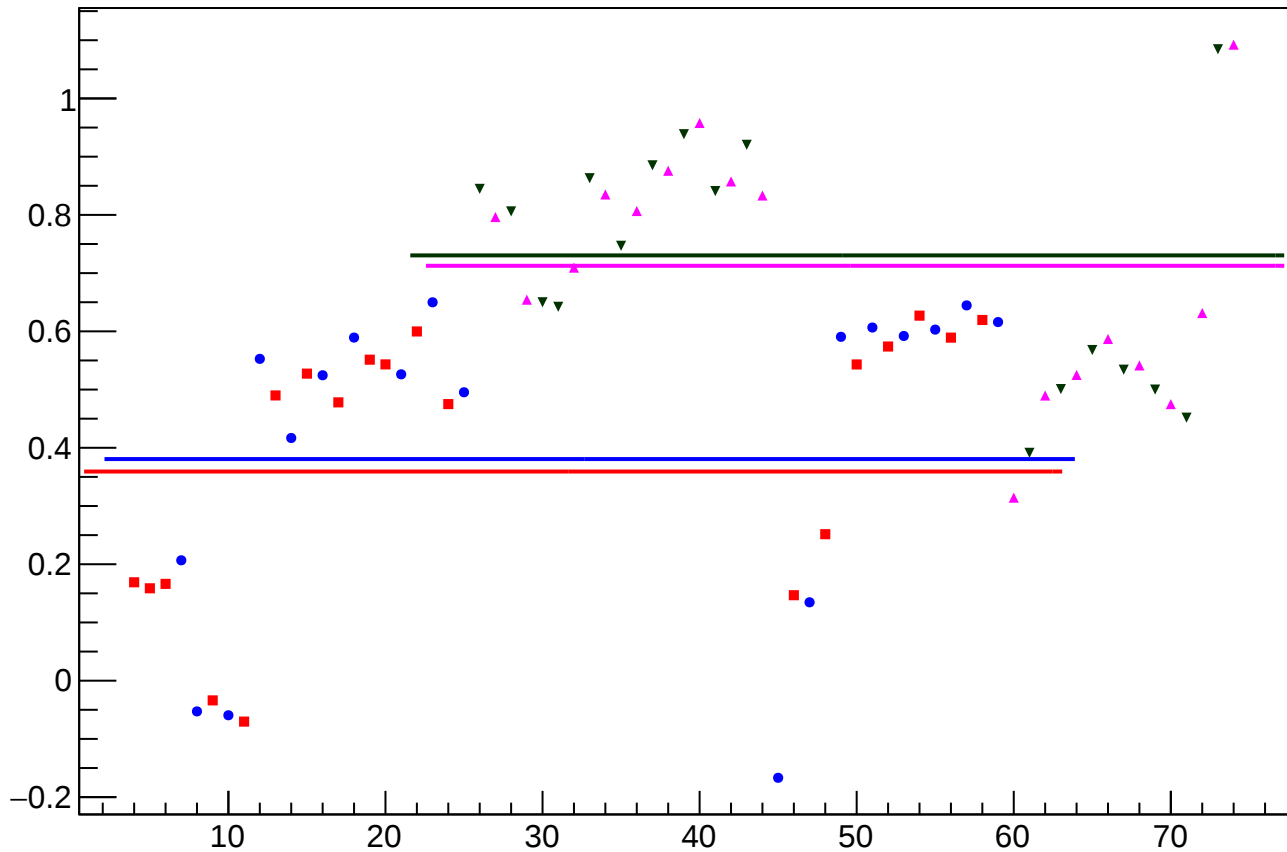
0.007+/-0.000 χ^2/NDF : 1217692.1/34

Right Out: 0.007+/-0.000 χ^2/NDF : 61122.7/18

0.007+/-0.000 χ^2/NDF : 1272010.4/35

Left In: 0.006+/-0.000 χ^2/NDF :902490.7/16

yield_bpm0l05X_mean vs slug



Right In: 0.381+/-0.000 χ^2/NDF : 17766233664.3/17

Left Out: 0.730+/-0.000 χ^2/NDF : 6085188082.3/16

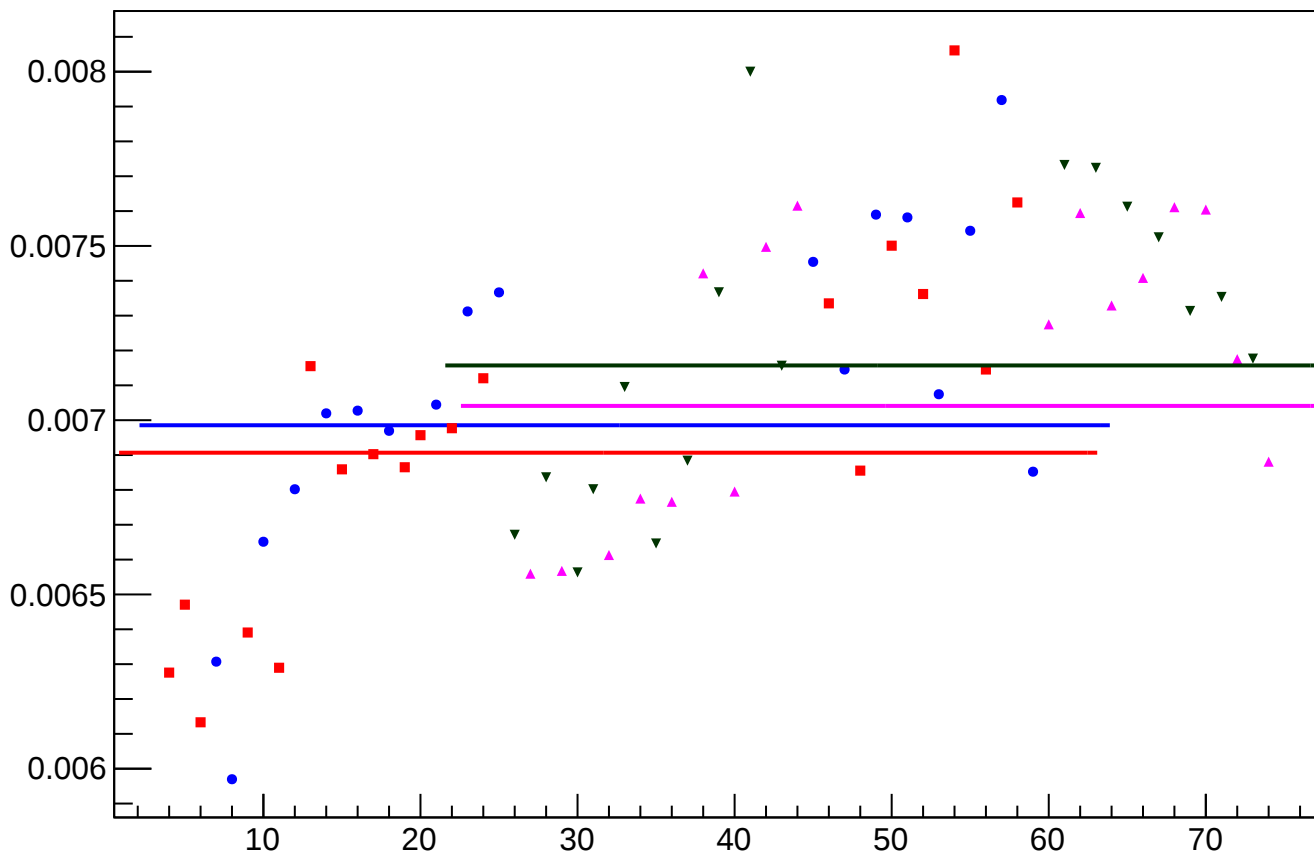
0.531+/-0.000 χ^2/NDF : 35682203087.8/34

Right Out: 0.359+/-0.000 χ^2/NDF : 11904326957.3/18

0.531+/-0.000 χ^2/NDF : 30658285232.7/35

Left In: 0.713+/-0.000 χ^2/NDF : 6440543945.2/16

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:57498.3/16

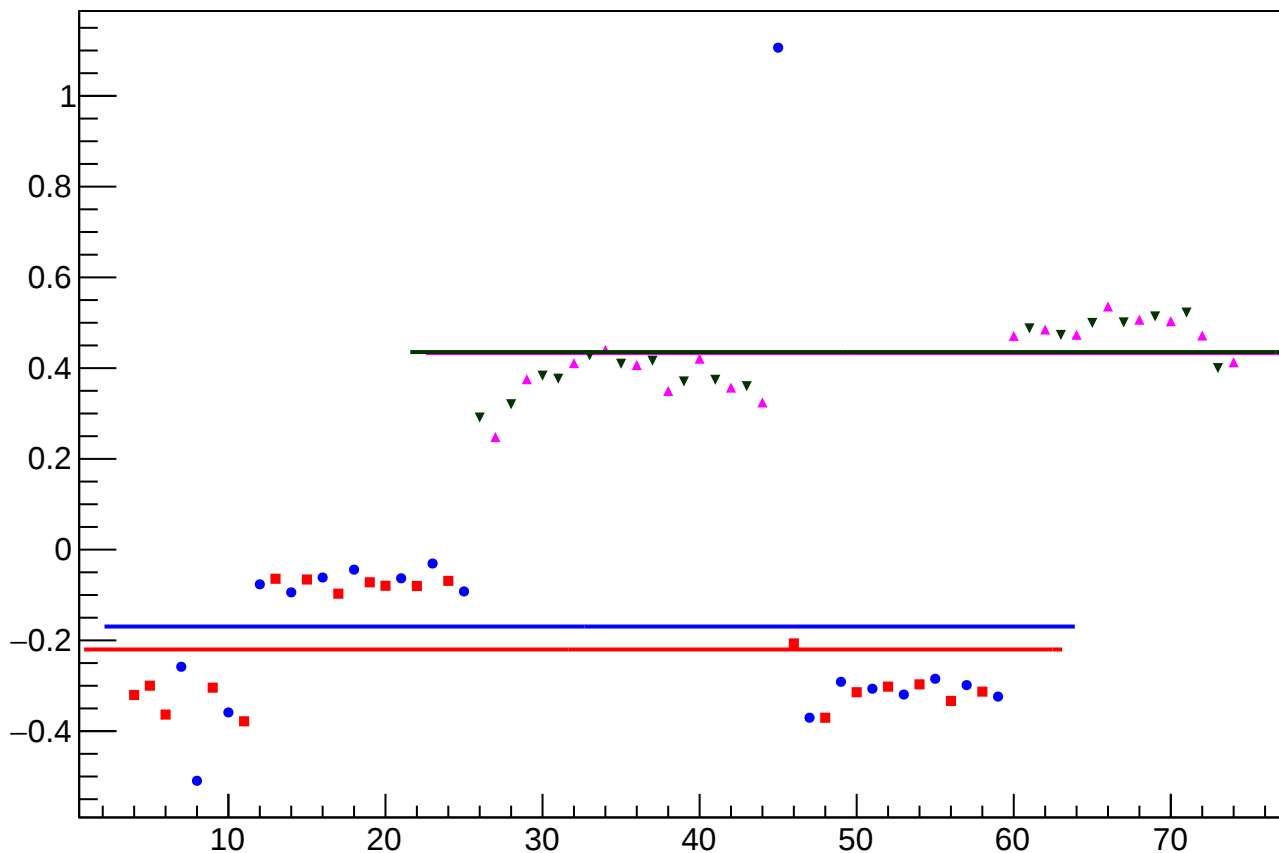
Right Out: 0.007+/-0.000 χ^2 /NDF: 97555.6/18

Left In: 0.007+/-0.000 χ^2 /NDF:64189.8/16

0.007+/-0.000 χ^2 /NDF: 170350.0/34

0.007+/-0.000 χ^2 /NDF: 165302.8/35

yield_bpm0l05Y_mean vs slug



Right In: -0.169+/-0.000 χ^2/NDF : 37135565875.9/17

Left Out: 0.435+/-0.000 χ^2/NDF :1694394353.9/16

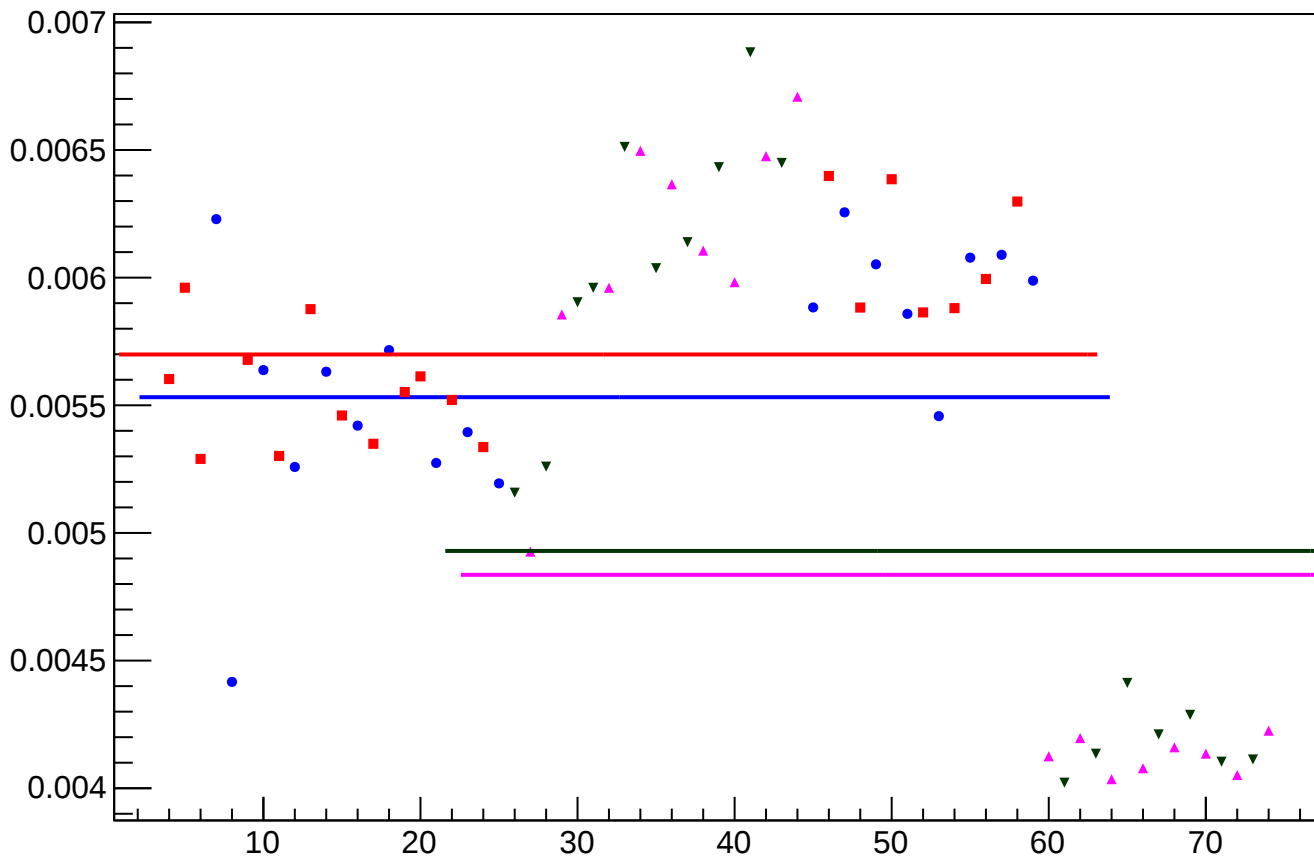
Right Out: -0.220+/-0.000 χ^2/NDF : 4721801975.9/18

Left In: 0.433+/-0.000 χ^2/NDF :2400318010.6/16

0.127+/-0.000 χ^2/NDF : 101957212160.1/34

0.152+/-0.000 χ^2/NDF : 78291110682.8/35

yield_bpm0l05Y_rms vs slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 186989.4/17

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:623451.9/16

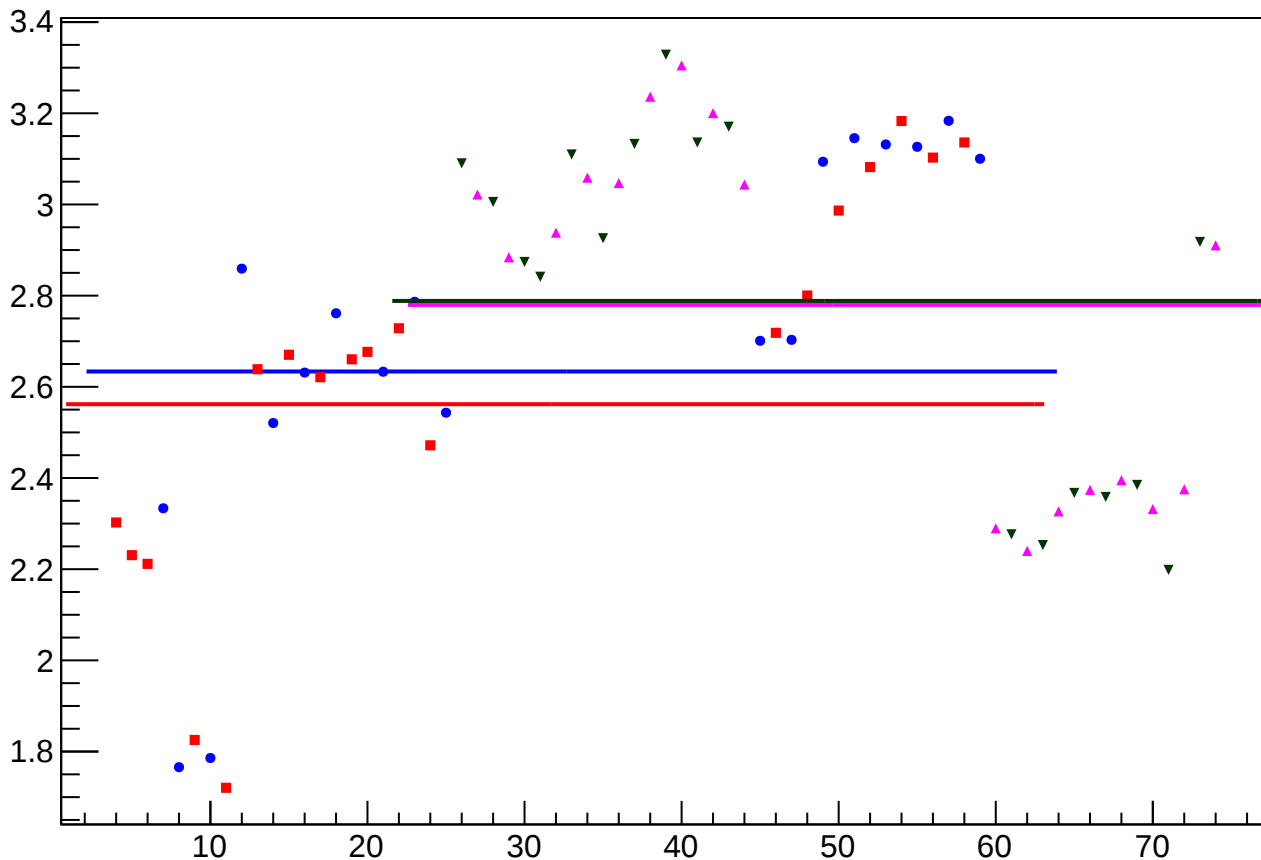
Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 66415.4/18

Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:691104.1/16

0.005 $\pm$ 0.000 χ^2 /NDF: 935563.2/34

0.005 $\pm$ 0.000 χ^2 /NDF: 1006187.9/35

yield_bpm0l06X_mean vs slug



Right In: 2.634 $\pm$ 0.000 χ^2 /NDF: 15879791998.3/17

Left Out: 2.788 $\pm$ 0.000 χ^2 /NDF:12845139964.0/16

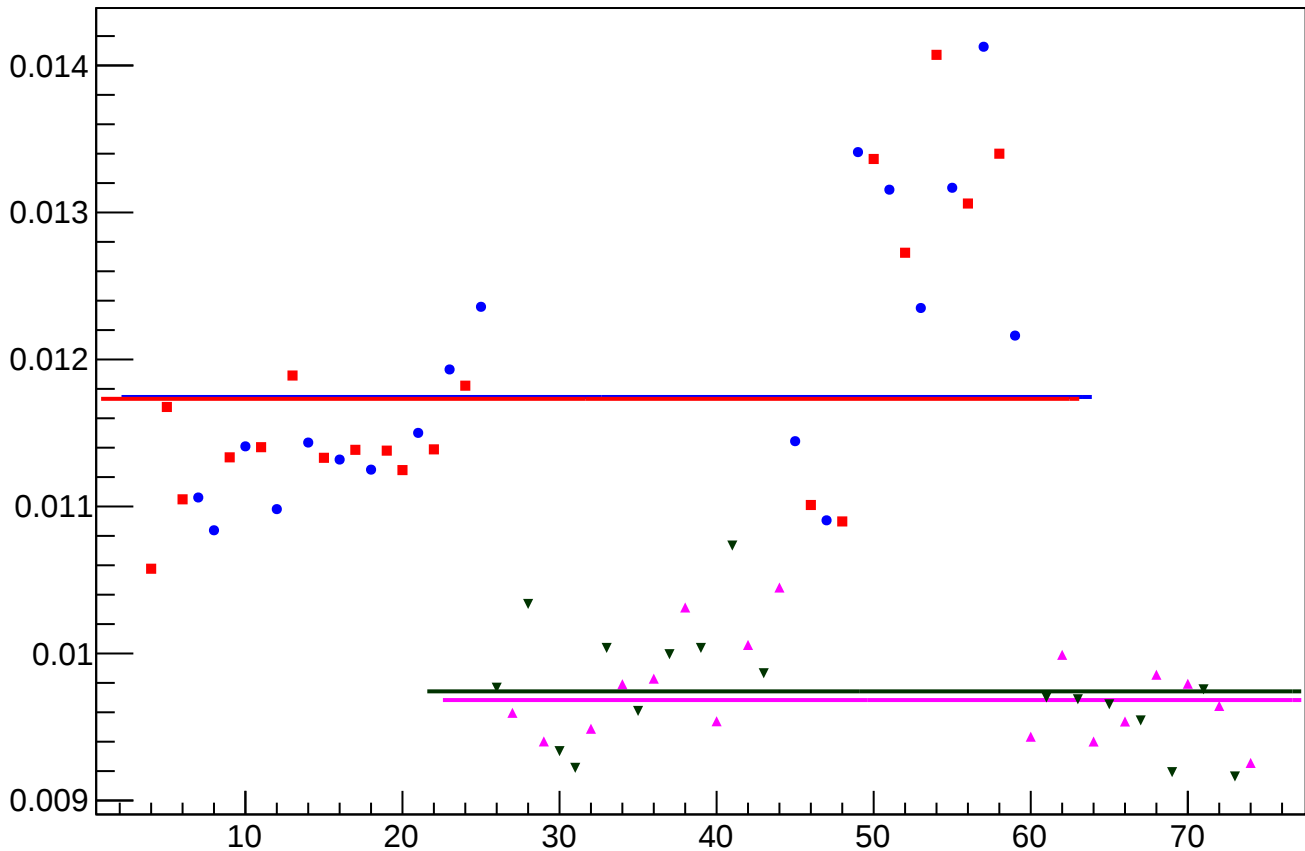
Right Out: 2.562 $\pm$ 0.000 χ^2 /NDF: 12349960173.0/18

Left In: 2.780 $\pm$ 0.000 χ^2 /NDF:12925321250.2/16

2.717 $\pm$ 0.000 χ^2 /NDF: 29743885752.9/34

2.691 $\pm$ 0.000 χ^2 /NDF: 27237064683.2/35

yield_bpm0l06X_rms vs slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 117347.2/17

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 29646.5/16

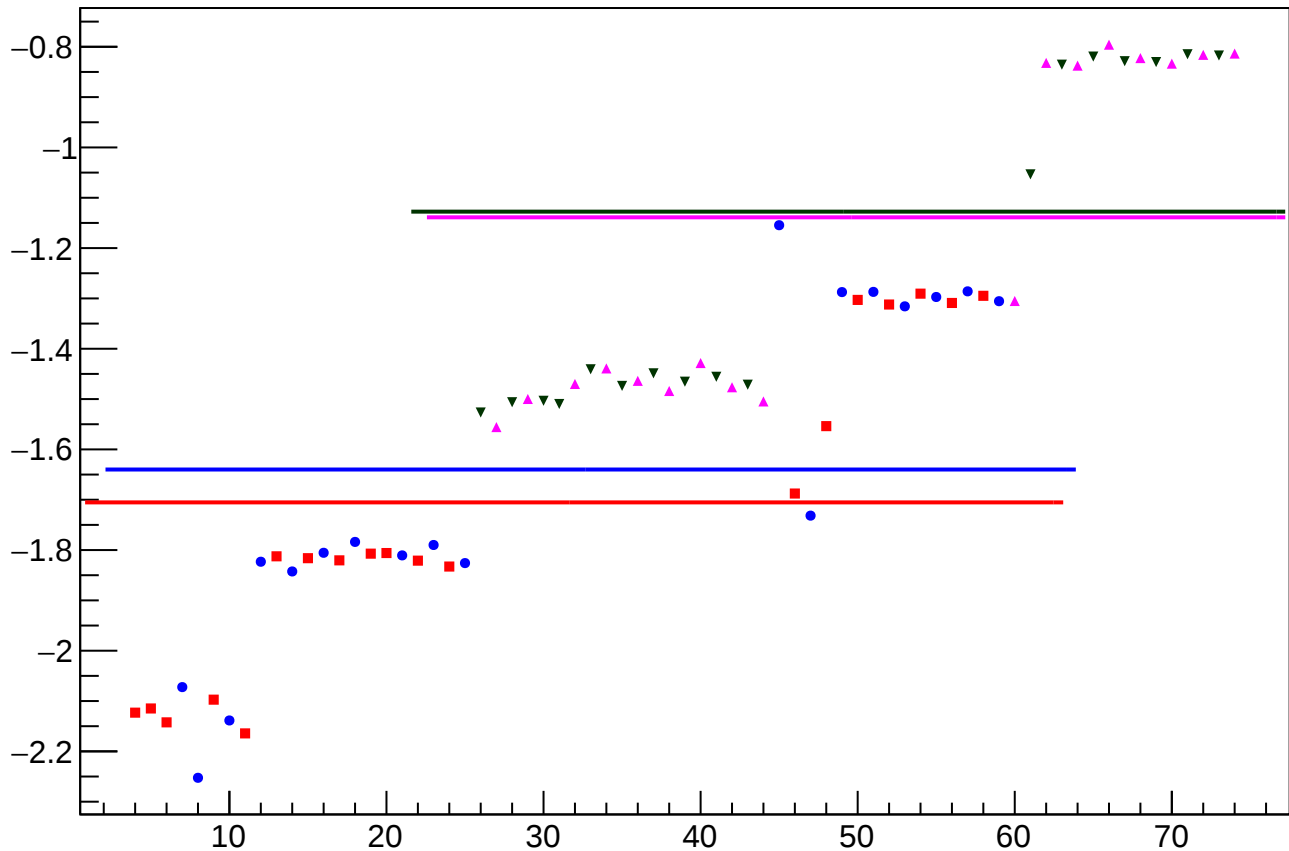
Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 107336.5/18

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 18949.8/16

0.011 $\pm$ 0.000 χ^2 /NDF: 488201.4/34

0.011 $\pm$ 0.000 χ^2 /NDF: 473446.7/35

yield_bpm0l06Y_mean vs slug



Right In: -1.640+/-0.000 χ^2/NDF : 6386201114.5/17

Left Out: -1.128+/-0.000 χ^2/NDF : 40633134644.9/16

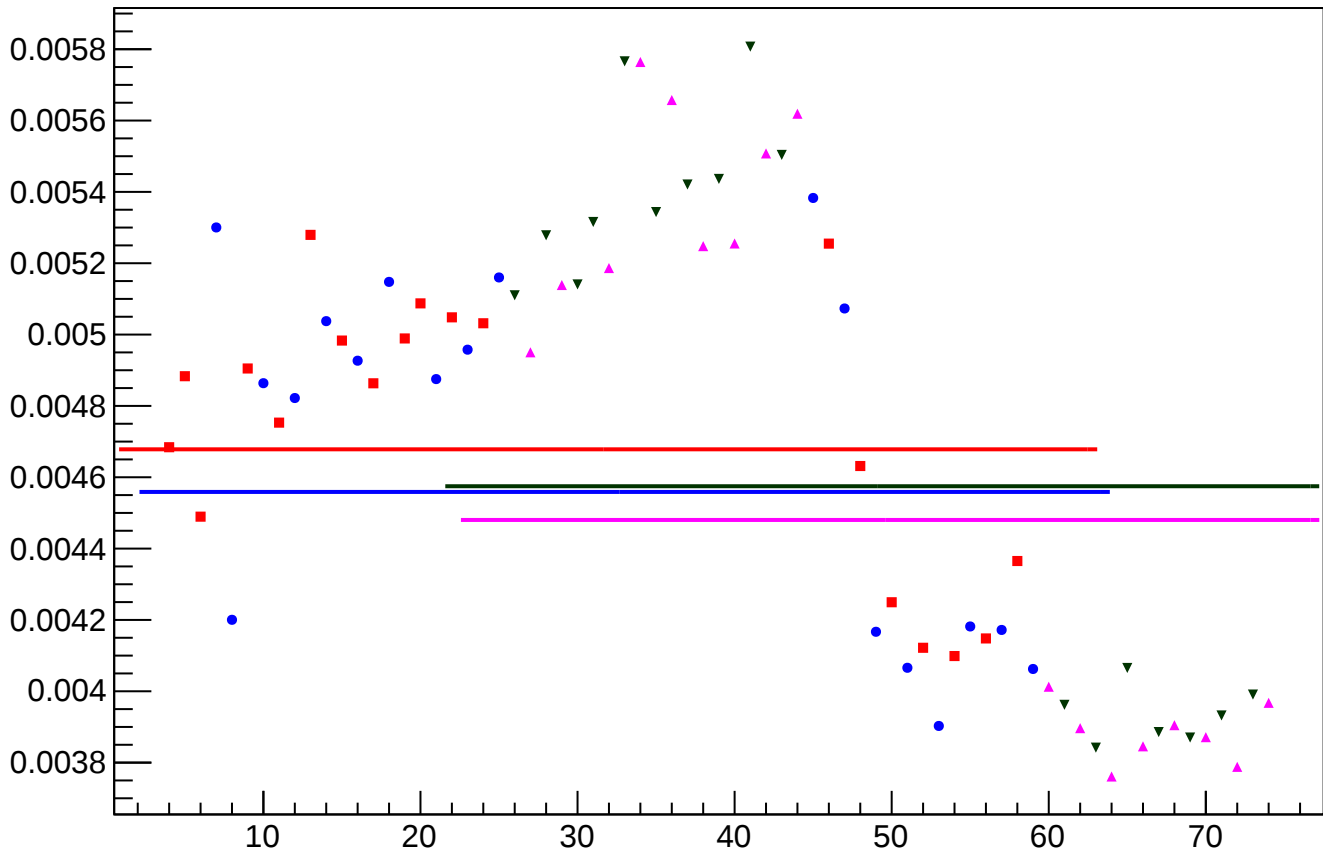
Right Out: -1.705+/-0.000 χ^2/NDF : 45414052250.2/18

Left In: -1.139+/-0.000 χ^2/NDF : 48517316536.5/16

-1.417+/-0.000 χ^2/NDF : 164086134764.4/34

-1.415+/-0.000 χ^2/NDF : 165969074166.6/35

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 :444053.1/16

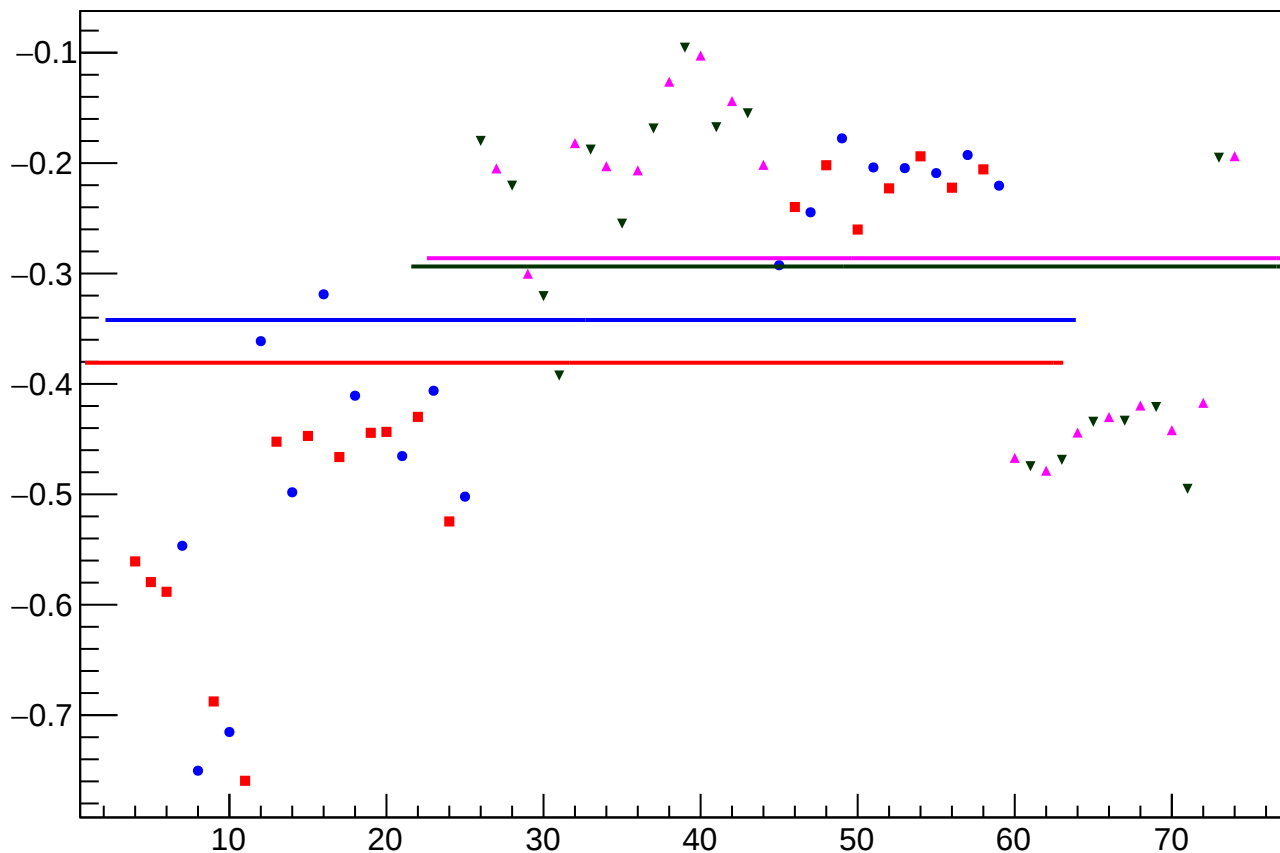
Right Out: 0.005+/-0.000 χ^2/NDF : 136426.0/18

Left In: 0.004+/-0.000 χ^2/NDF :480410.4/16

0.005+/-0.000 χ^2/NDF : 672762.4/34

0.005+/-0.000 χ^2/NDF : 634444.3/35

yield_bpm0l07X_mean vs slug



Right In: -0.342+/-0.000 χ^2/NDF : 1669772673.5/17

Left Out: -0.294+/-0.000 χ^2/NDF : 713784119.0/16

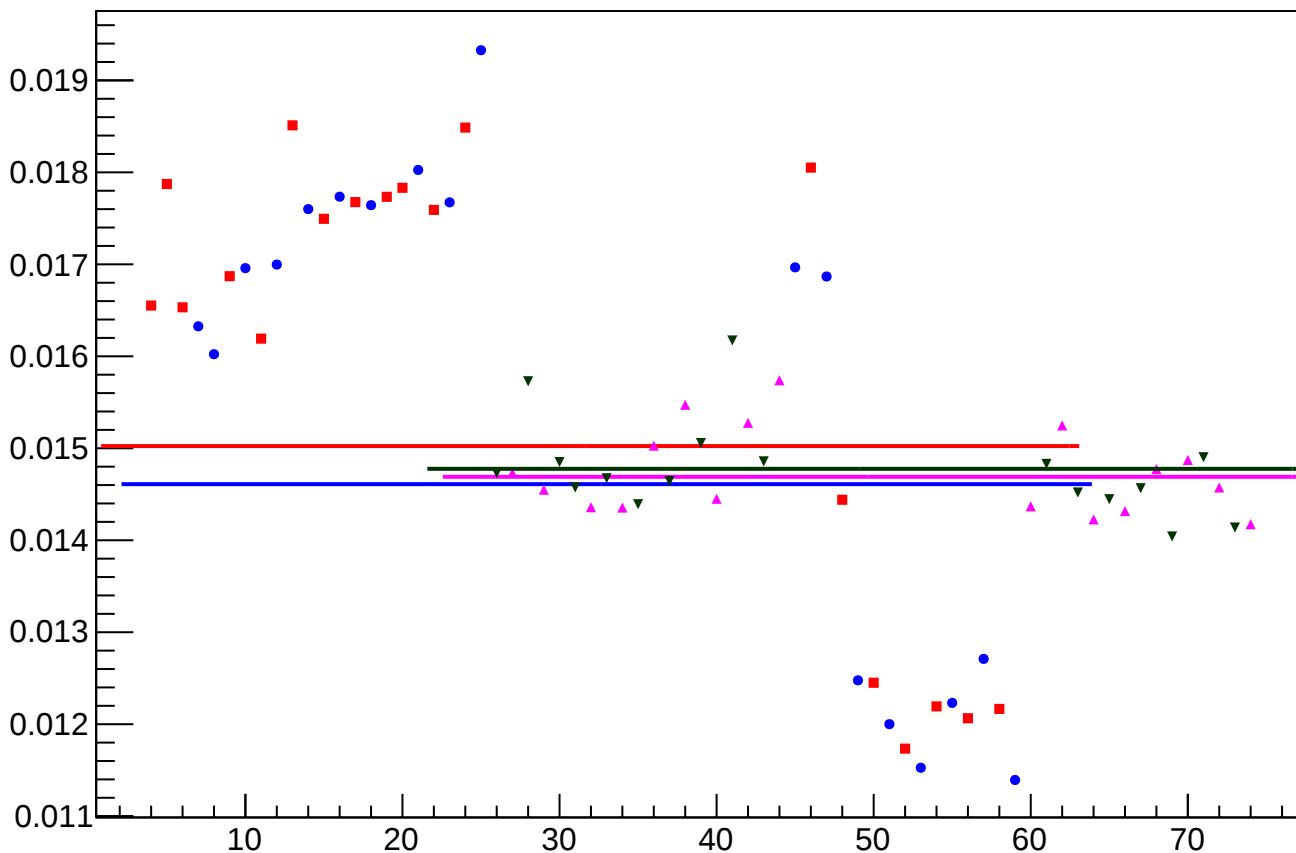
Right Out: -0.381+/-0.000 χ^2/NDF : 1387002500.9/18

Left In: -0.286+/-0.000 χ^2/NDF : 727596440.1/16

-0.320+/-0.000 χ^2/NDF : 2436003844.2/34

-0.332+/-0.000 χ^2/NDF : 2306868898.1/35

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 : 21181.4/16

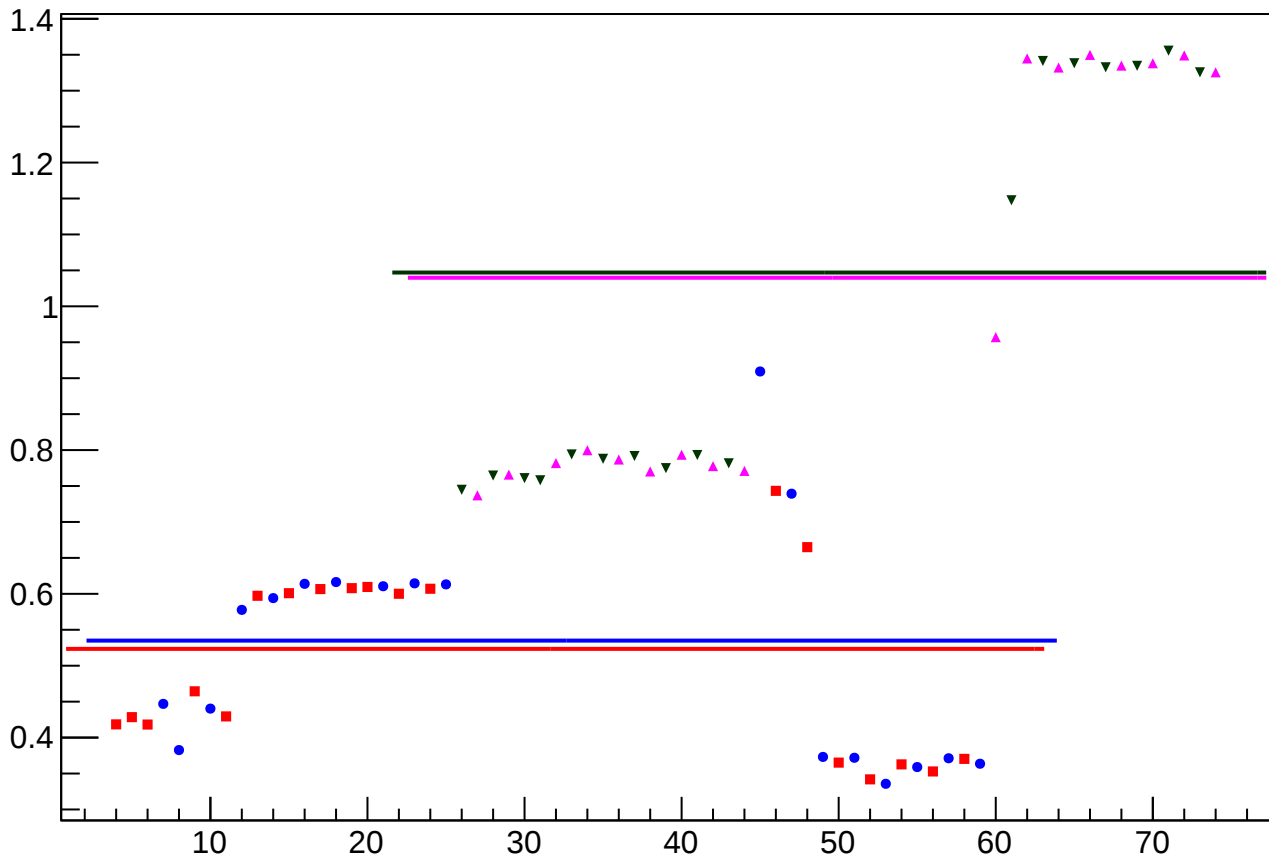
Right Out: 0.015+/-0.000 χ^2/NDF : 573783.3/18

Left In: 0.015+/-0.000 χ^2/NDF : 16325.3/16

0.015+/-0.000 χ^2/NDF : 734350.4/34

0.015+/-0.000 χ^2/NDF : 594897.9/35

yield_bpm0l07Y_mean vs slug



Right In: 0.535 $\pm$ 0.000 χ^2 /NDF: 21231144094.8/17

Left Out: 1.047 $\pm$ 0.000 χ^2 /NDF: 73381280014.3/16

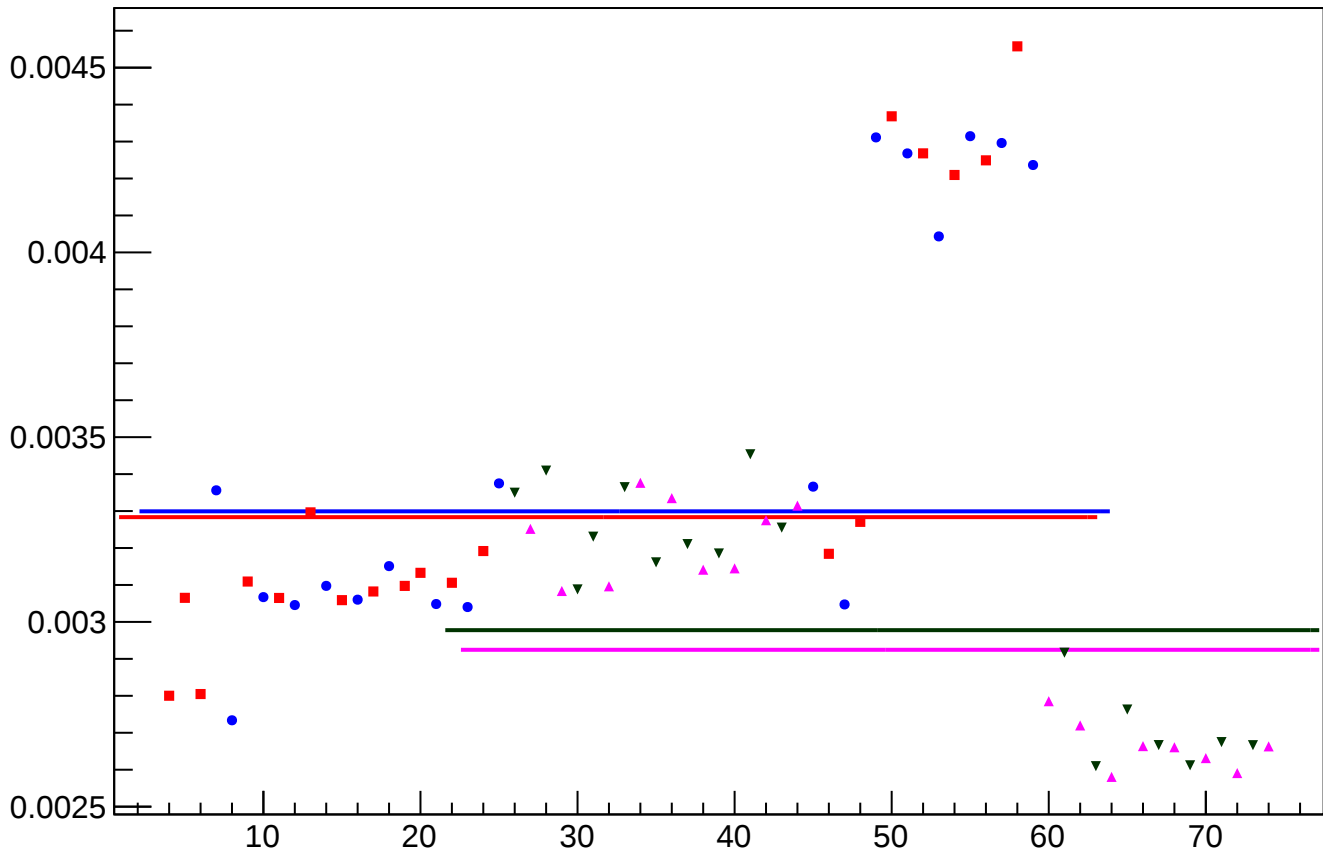
0.789 $\pm$ 0.000 χ^2 /NDF: 222698600205.9/34

Right Out: 0.523 $\pm$ 0.000 χ^2 /NDF: 11523934099.1/18

0.811 $\pm$ 0.000 χ^2 /NDF: 225361046870.4/35

Left In: 1.040 $\pm$ 0.000 χ^2 /NDF: 83580229449.9/16

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 :182361.8/16

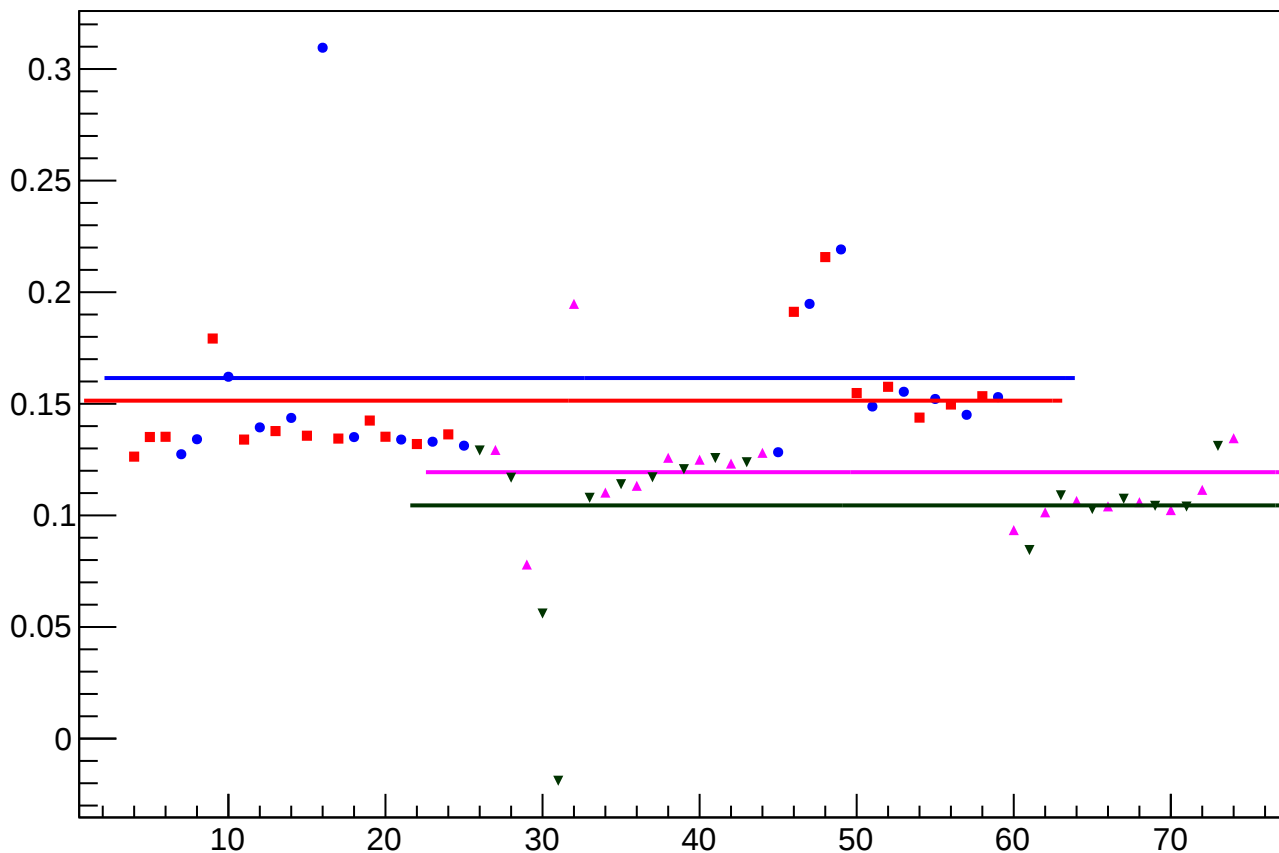
Right Out: 0.003+/-0.000 χ^2/NDF : 382277.8/18

Left In: 0.003+/-0.000 χ^2/NDF :178145.6/16

0.003+/-0.000 χ^2/NDF : 780957.6/34

0.003+/-0.000 χ^2/NDF : 686347.1/35

yield_bpm0l08X_mean vs slug



Right In: 0.162 ± 0.000 χ^2/NDF : 94764439.1/17

Left Out: 0.104 ± 0.000 χ^2/NDF : 45678470.4/16

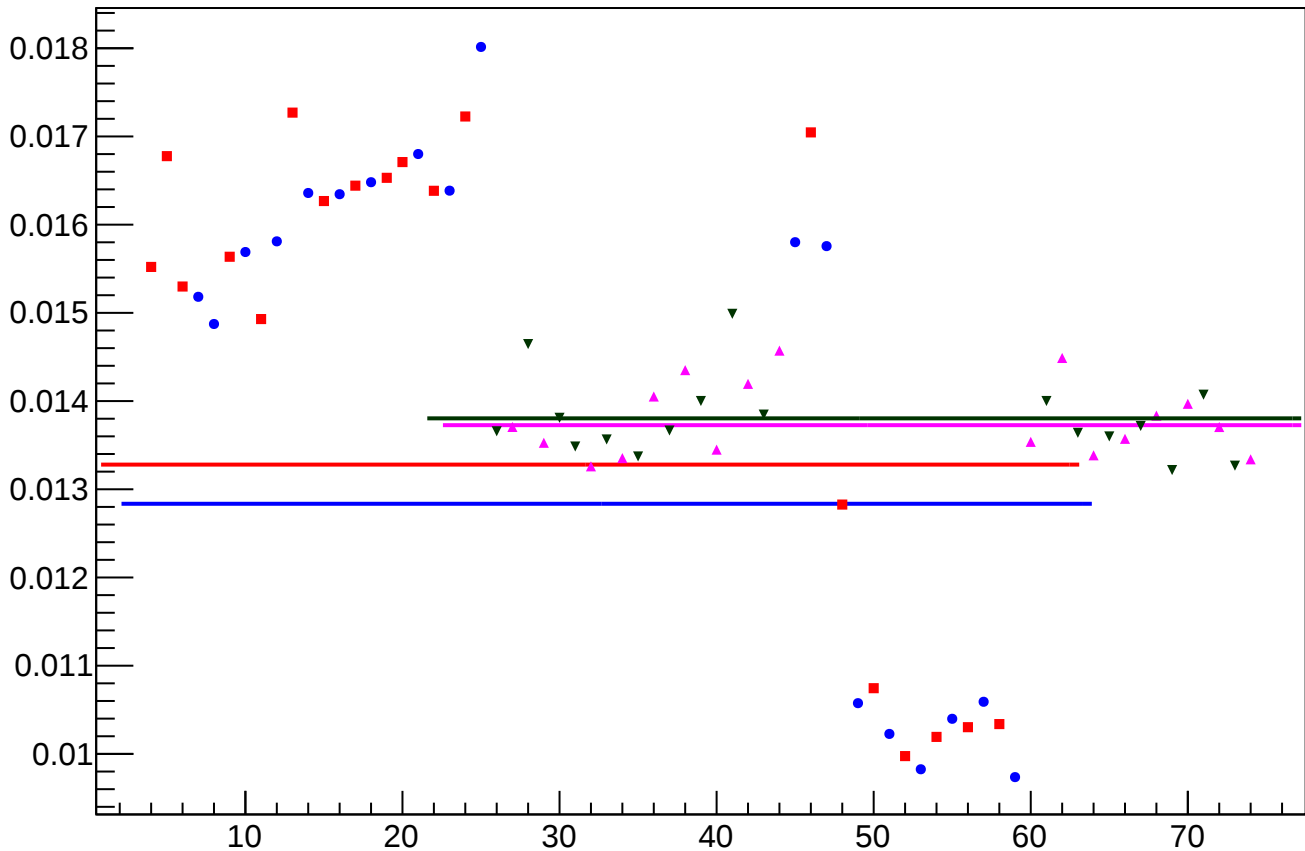
Right Out: 0.151 ± 0.000 χ^2/NDF : 22463584.0/18

Left In: 0.119 ± 0.000 χ^2/NDF : 43285902.1/16

0.137 ± 0.000 χ^2/NDF : 227556613.4/34

0.136 ± 0.000 χ^2/NDF : 92116525.4/35

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 :18746.3/16

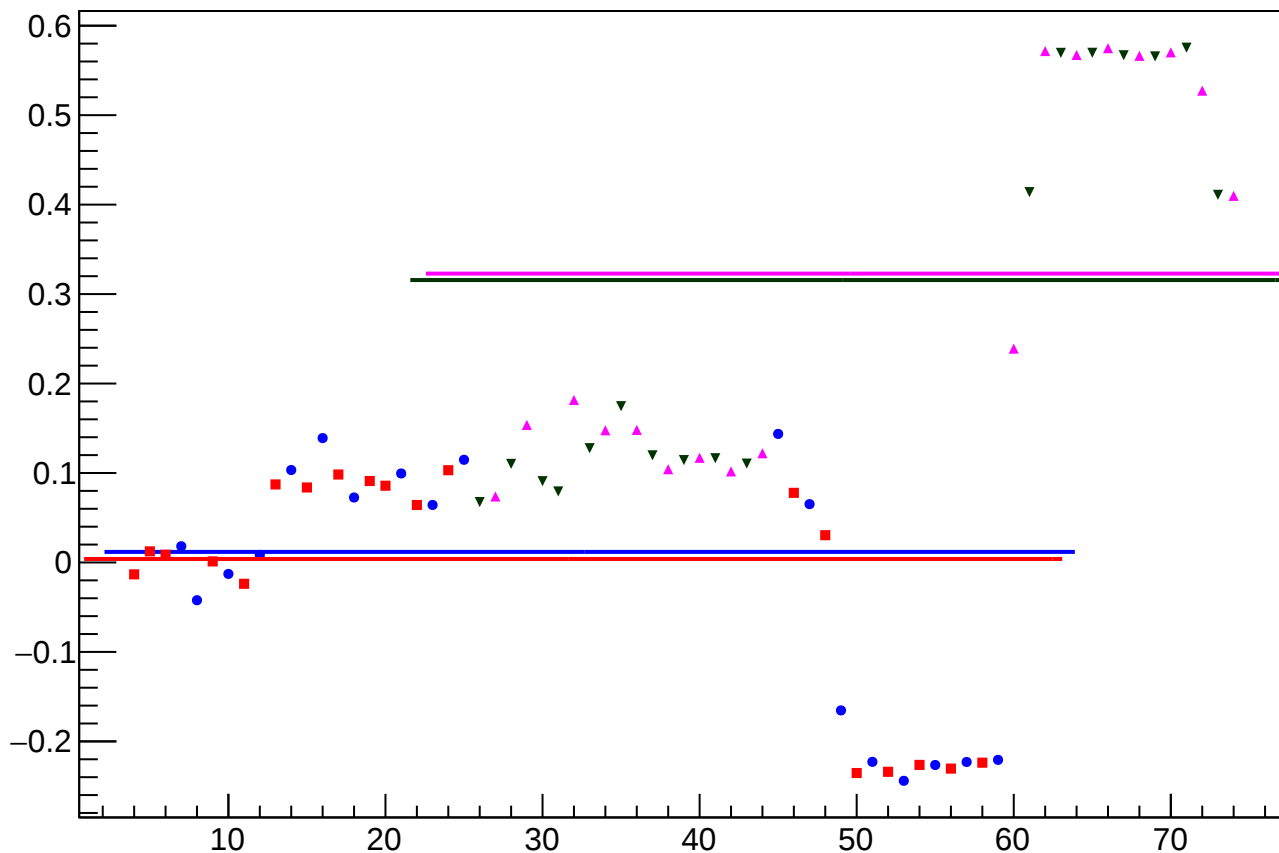
0.013+/-0.000 χ^2/NDF : 1157183.4/34

Right Out: 0.013+/-0.000 χ^2/NDF : 890007.3/18

0.014+/-0.000 χ^2/NDF : 915909.4/35

Left In: 0.014+/-0.000 χ^2/NDF :15634.9/16

yield_bpm0l08Y_mean vs slug



Right In: 0.012+/-0.000 χ^2/NDF : 12179192870.2/17

Left Out: 0.316+/-0.000 χ^2/NDF :43164583247.2/16

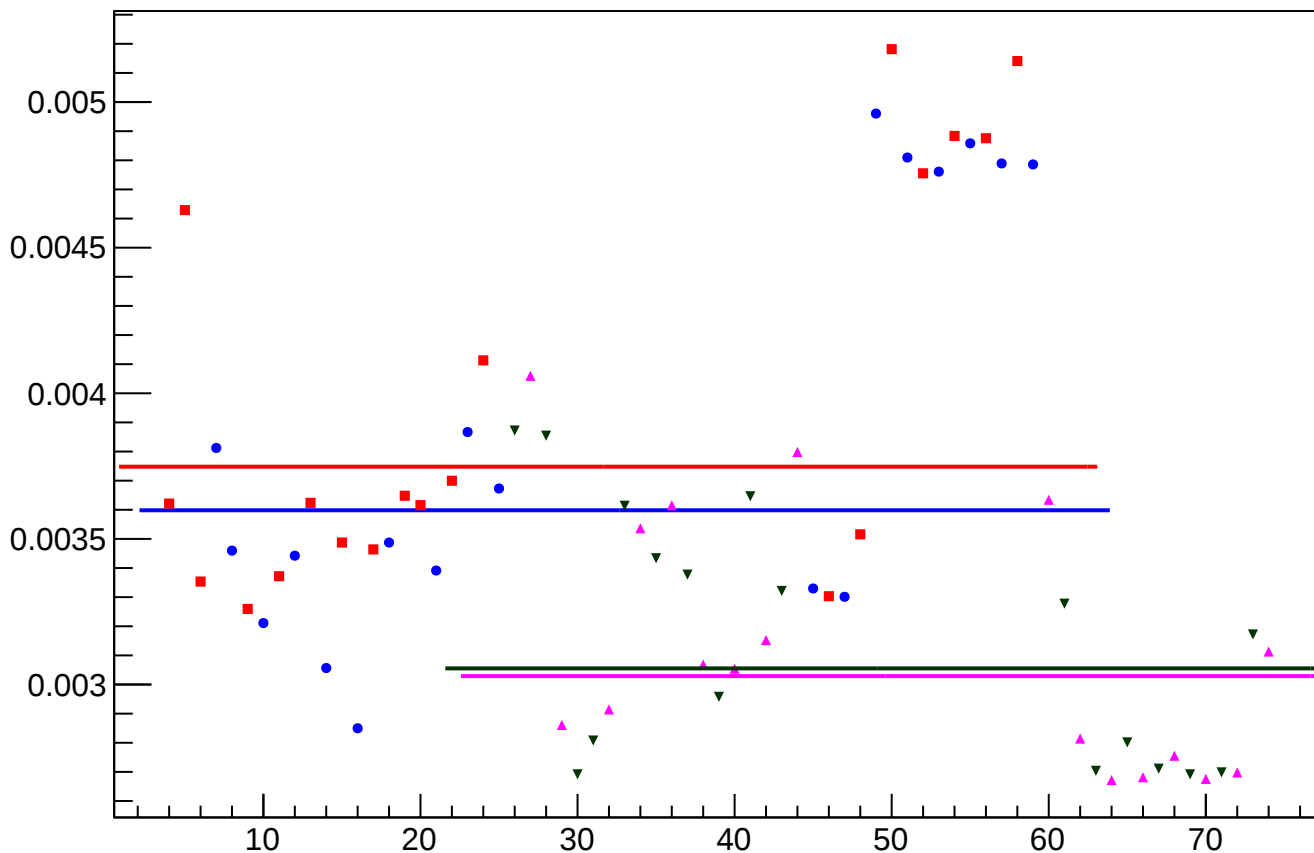
Right Out: 0.004+/-0.000 χ^2/NDF : 7924148421.7/18

Left In: 0.323+/-0.000 χ^2/NDF :42926091379.5/16

0.172+/-0.000 χ^2/NDF : 94647570739.2/34

0.197+/-0.000 χ^2/NDF : 91140184750.1/35

yield_bpm0l08Y_rms vs slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 672957.8/17

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:285941.3/16

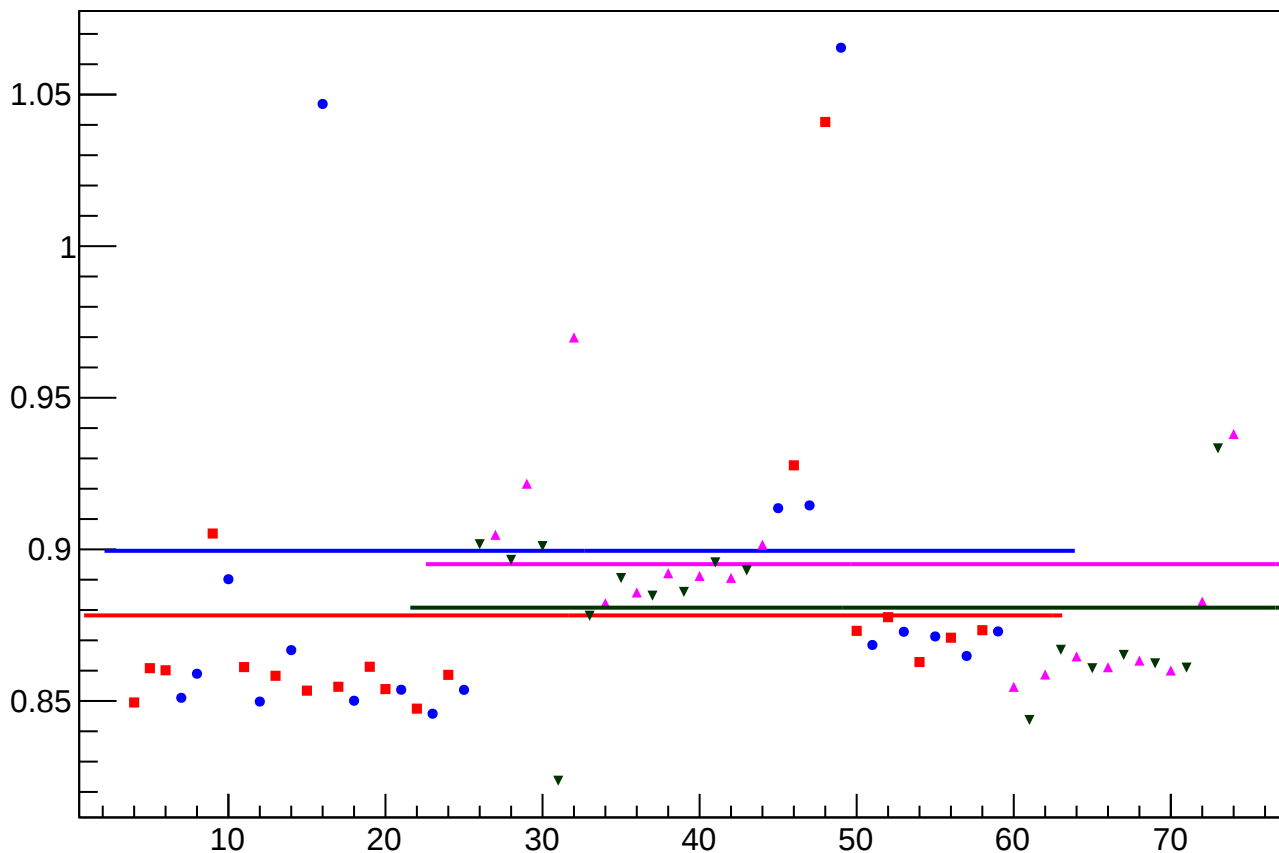
Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 427283.7/18

Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:312096.7/16

0.003 $\pm$ 0.000 χ^2 /NDF: 1209888.6/34

0.003 $\pm$ 0.000 χ^2 /NDF: 1148881.9/35

yield_bpm0l09X_mean vs slug



Right In: 0.900 $\pm$ 0.000 χ^2 /NDF: 324904340.4/17

Left Out: 0.881 $\pm$ 0.000 χ^2 /NDF: 26781094.1/16

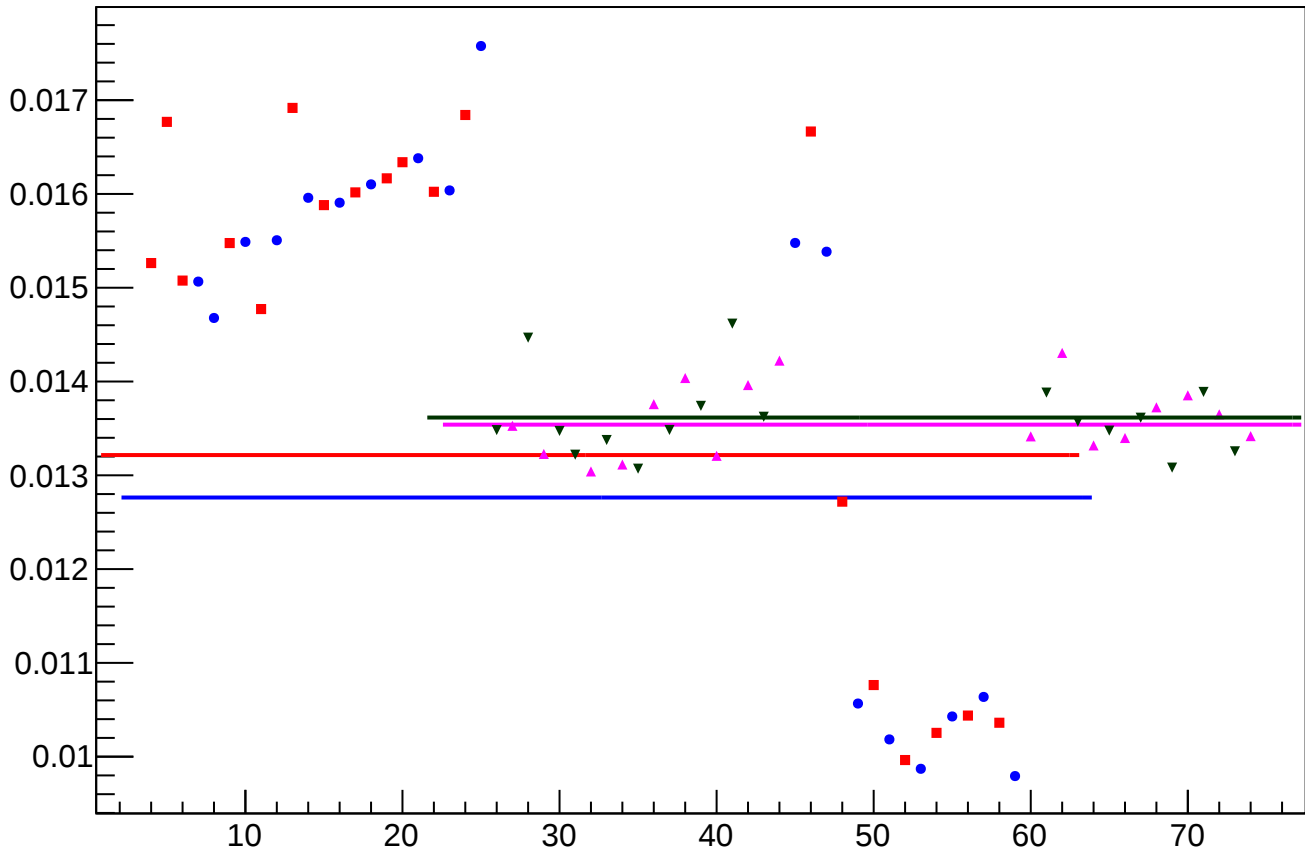
Right Out: 0.878 $\pm$ 0.000 χ^2 /NDF: 92356263.0/18

Left In: 0.895 $\pm$ 0.000 χ^2 /NDF: 58878883.9/16

0.892 $\pm$ 0.000 χ^2 /NDF: 361295548.5/34

0.887 $\pm$ 0.000 χ^2 /NDF: 158713445.5/35

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 : 16731.4/16

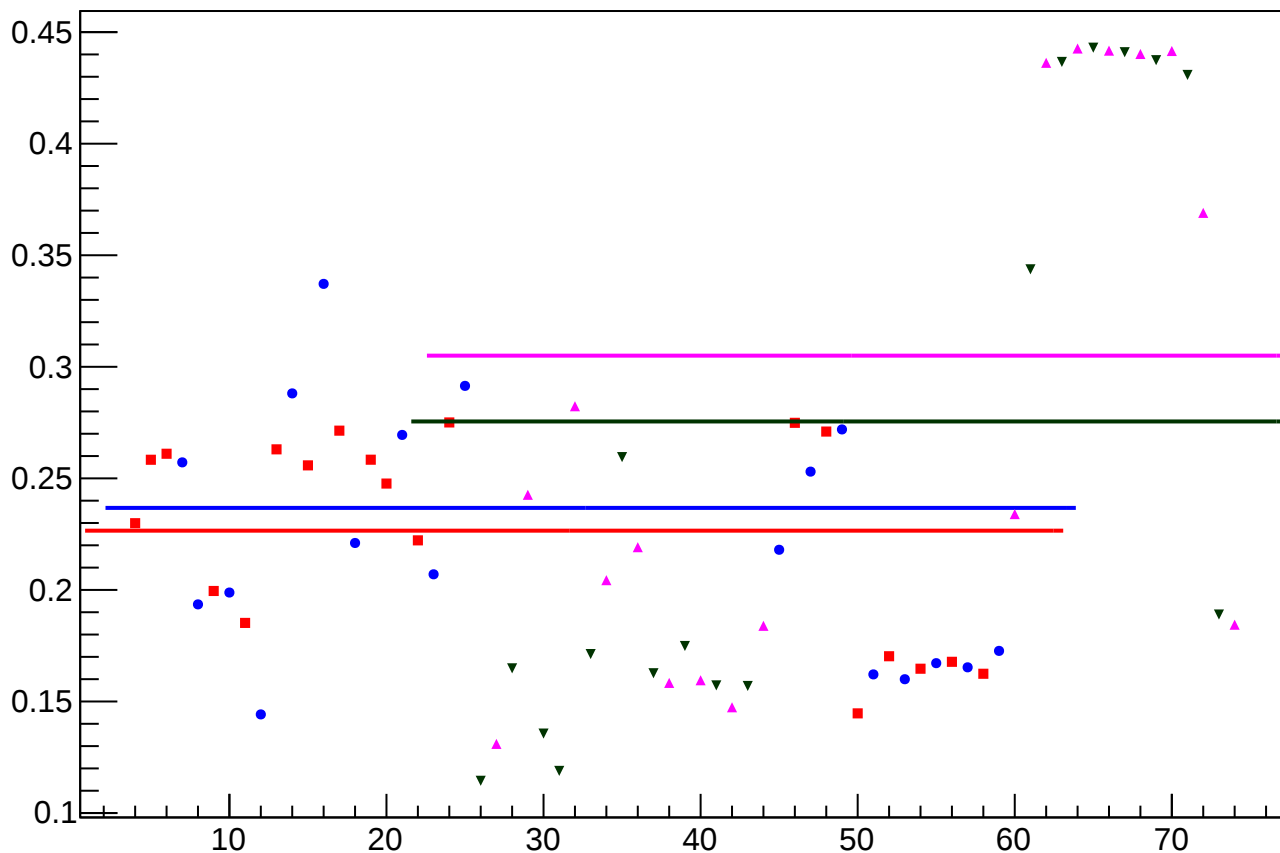
Right Out: 0.013+/-0.000 χ^2/NDF : 798846.8/18

Left In: 0.014+/-0.000 χ^2/NDF : 14066.3/16

0.013+/-0.000 χ^2/NDF : 1036636.8/34

0.013+/-0.000 χ^2/NDF : 818419.3/35

yield_bpm0l09Y_mean vs slug



Right In: 0.237 $\pm$ 0.000 χ^2 /NDF: 2411617824.9/17

Left Out: 0.276 $\pm$ 0.000 χ^2 /NDF:15235438027.8/16

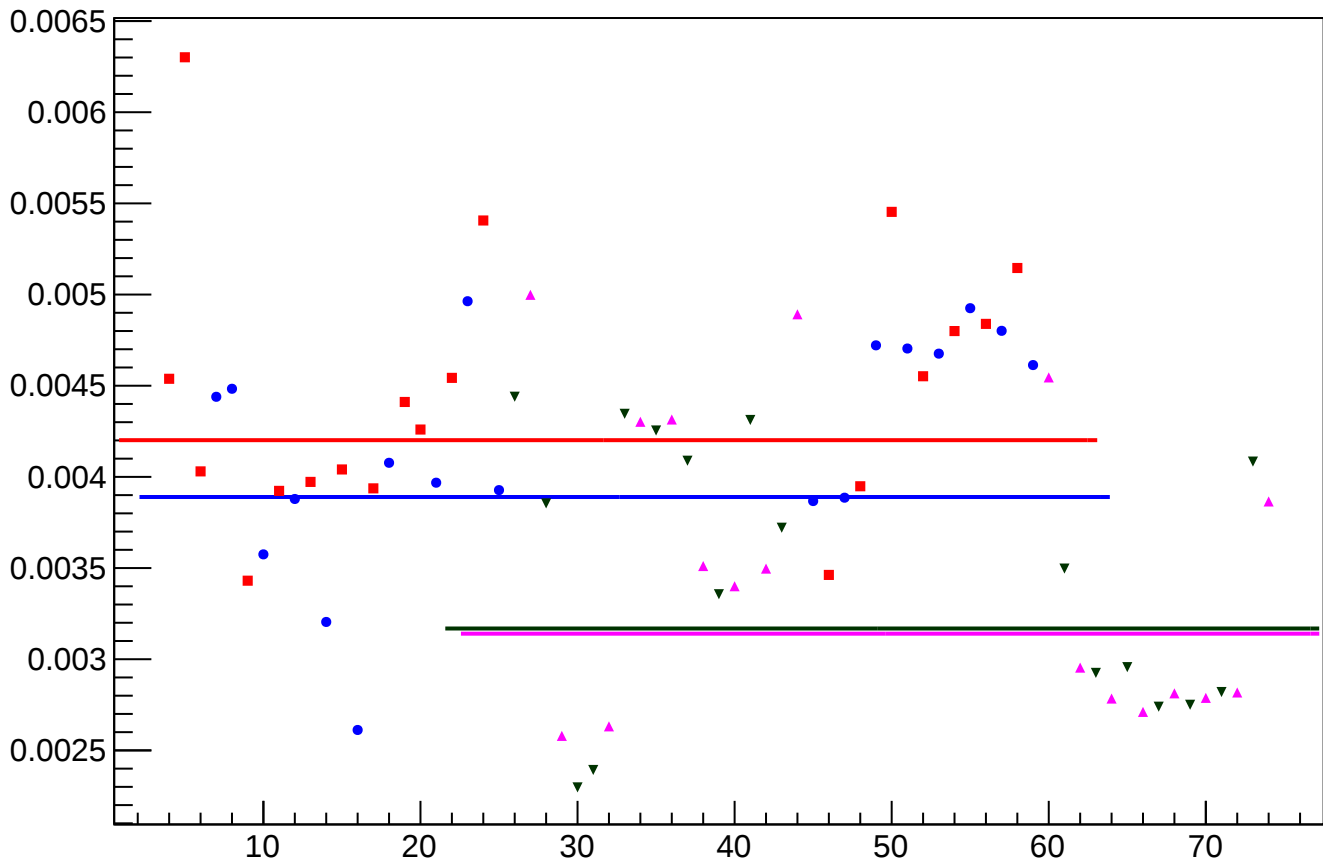
Right Out: 0.227 $\pm$ 0.000 χ^2 /NDF: 943883207.4/18

Left In: 0.305 $\pm$ 0.000 χ^2 /NDF:11556472980.2/16

0.258 $\pm$ 0.000 χ^2 /NDF: 18195974813.4/34

0.276 $\pm$ 0.000 χ^2 /NDF: 14483927762.5/35

yield_bpm0l09Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 695729.3/17

Left Out: 0.003+/-0.000 χ^2/NDF : 750929.3/16

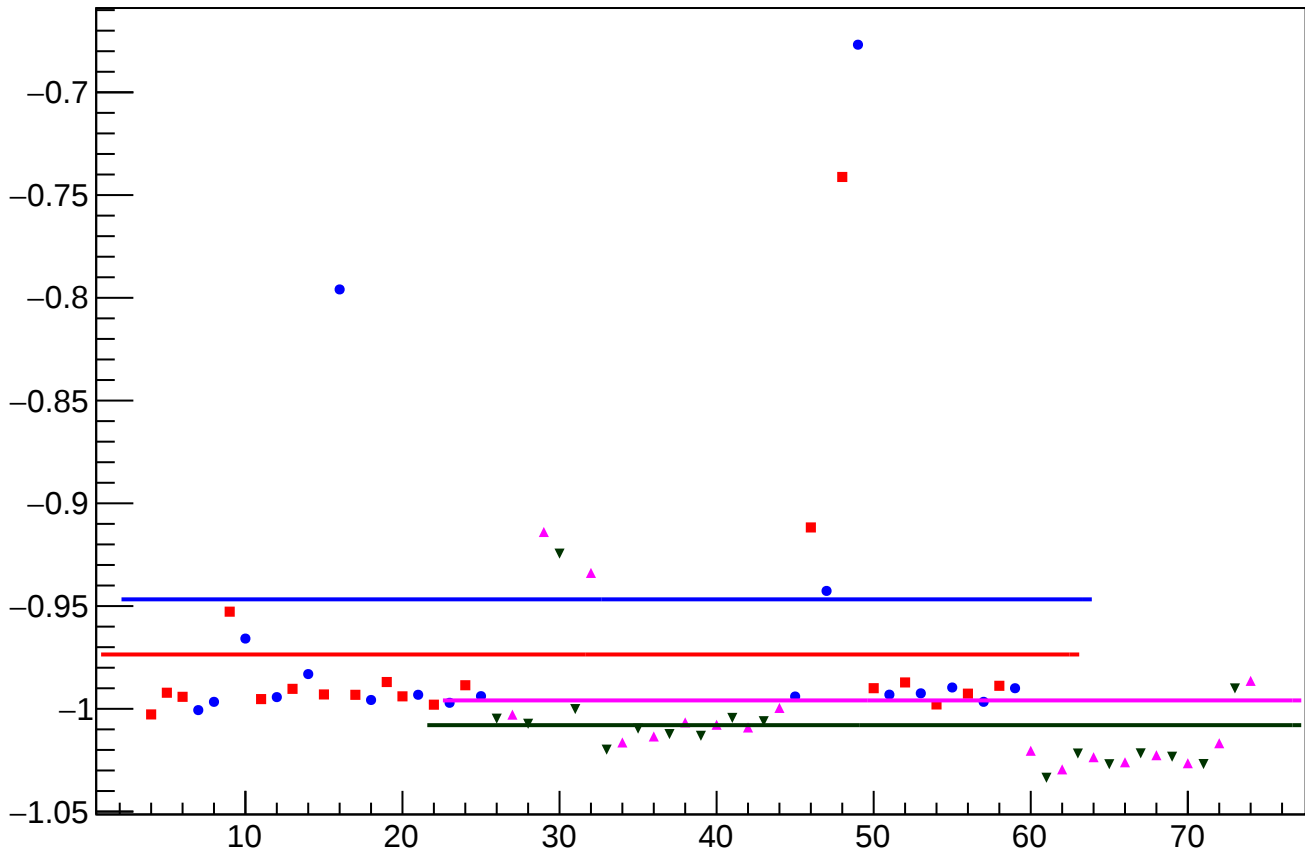
0.004+/-0.000 χ^2/NDF : 1827157.4/34

Right Out: 0.004+/-0.000 χ^2/NDF : 341340.8/18

0.004+/-0.000 χ^2/NDF : 1920943.9/35

Left In: 0.003+/-0.000 χ^2/NDF : 853491.8/16

yield_bpm0l10X_mean vs slug



Right In: -0.947+/-0.000 χ^2/NDF : 662253046.3/17

Left Out: -1.008+/-0.000 χ^2/NDF : 28961044.9/16

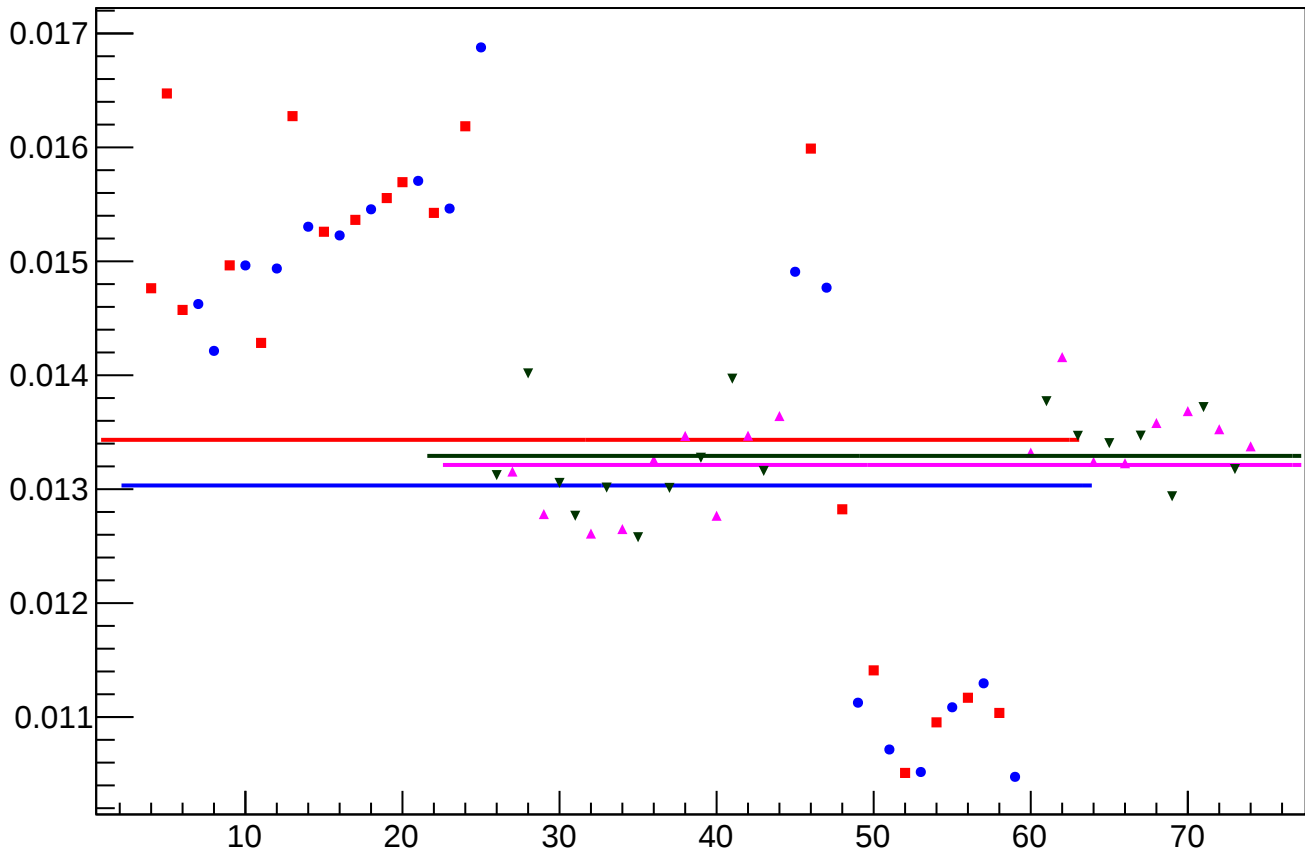
Right Out: -0.974+/-0.000 χ^2/NDF : 174691792.1/18

Left In: -0.996+/-0.000 χ^2/NDF : 74712473.3/16

-0.974+/-0.000 χ^2/NDF : 795253470.2/34

-0.985+/-0.000 χ^2/NDF : 262664531.8/35

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 :15922.9/16

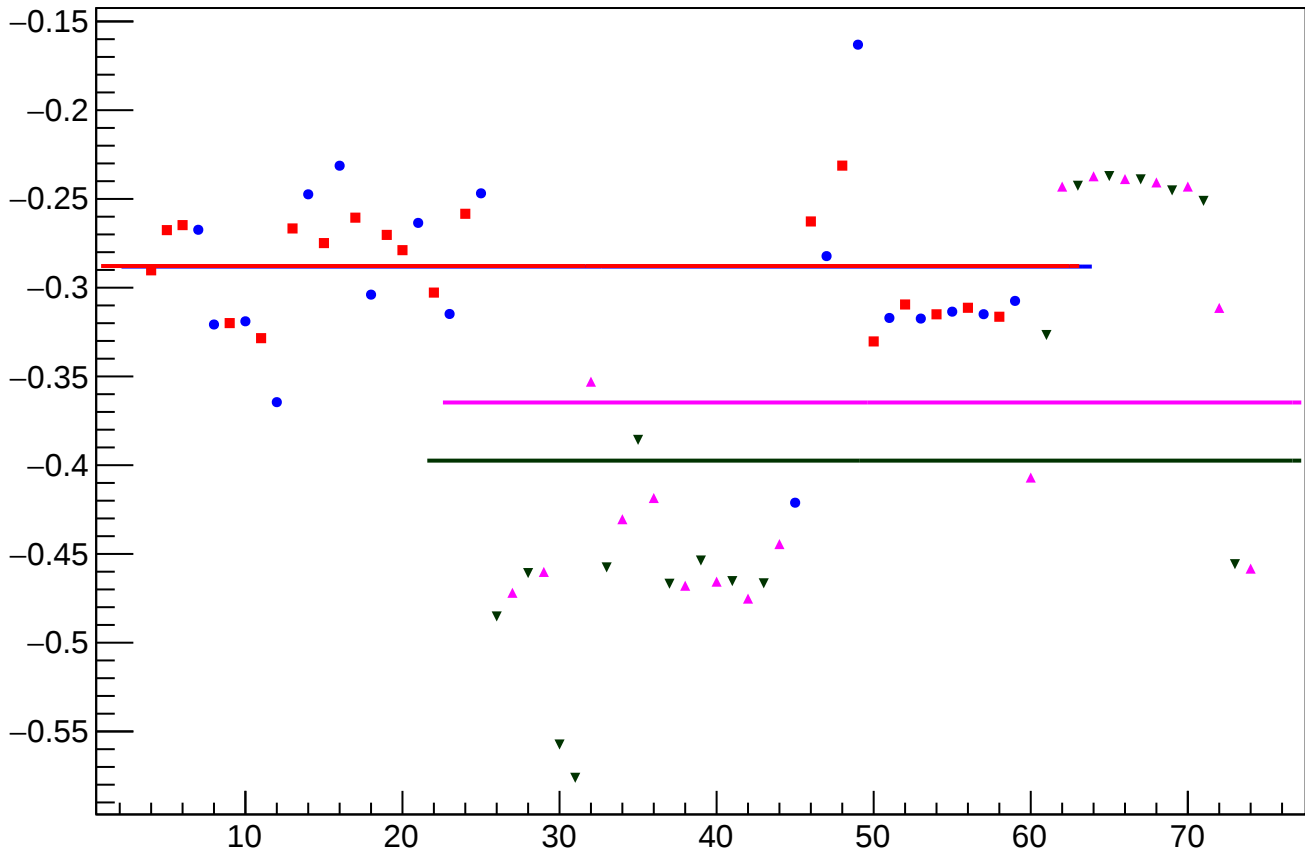
Right Out: 0.013+/-0.000 χ^2/NDF : 479245.1/18

Left In: 0.013+/-0.000 χ^2/NDF :17682.0/16

0.013+/-0.000 χ^2/NDF : 607497.5/34

0.013+/-0.000 χ^2/NDF : 499507.3/35

yield_bpm0l10Y_mean vs slug



Right In: -0.288+/-0.000 χ^2/NDF : 2601289511.6/17

Left Out: -0.397+/-0.000 χ^2/NDF :13584395537.2/16

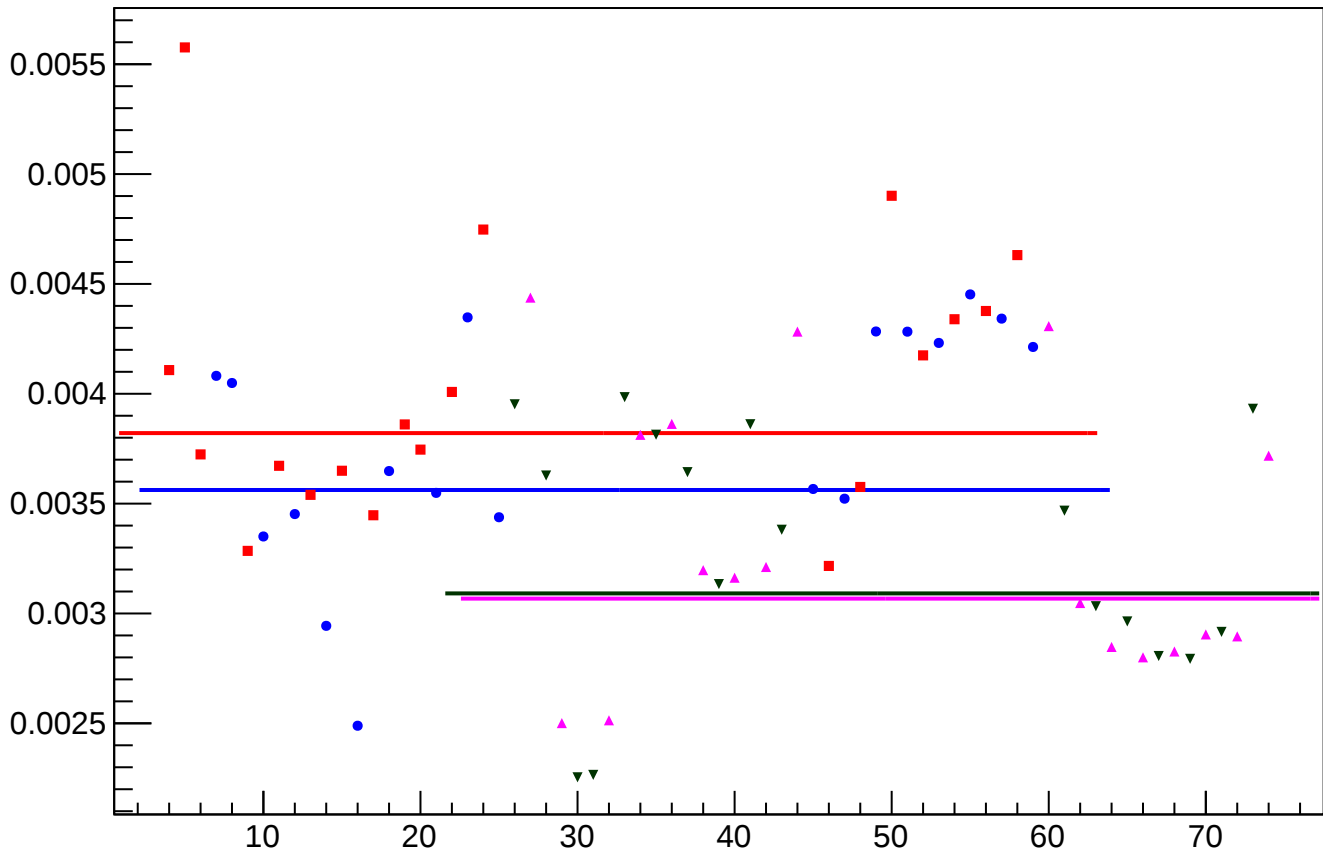
-0.344+/-0.000 χ^2/NDF : 21174665637.3/34

Right Out: -0.288+/-0.000 χ^2/NDF : 515794849.9/18

-0.334+/-0.000 χ^2/NDF : 11512625682.4/35

Left In: -0.365+/-0.000 χ^2/NDF :8778046070.5/16

yield_bpm0l10Y_rms vs slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 588741.6/17

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 547464.8/16

0.003 $\pm$ 0.000 χ^2 /NDF: 1321155.3/34

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 282191.6/18

0.003 $\pm$ 0.000 χ^2 /NDF: 1317711.3/35

Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 609402.6/16