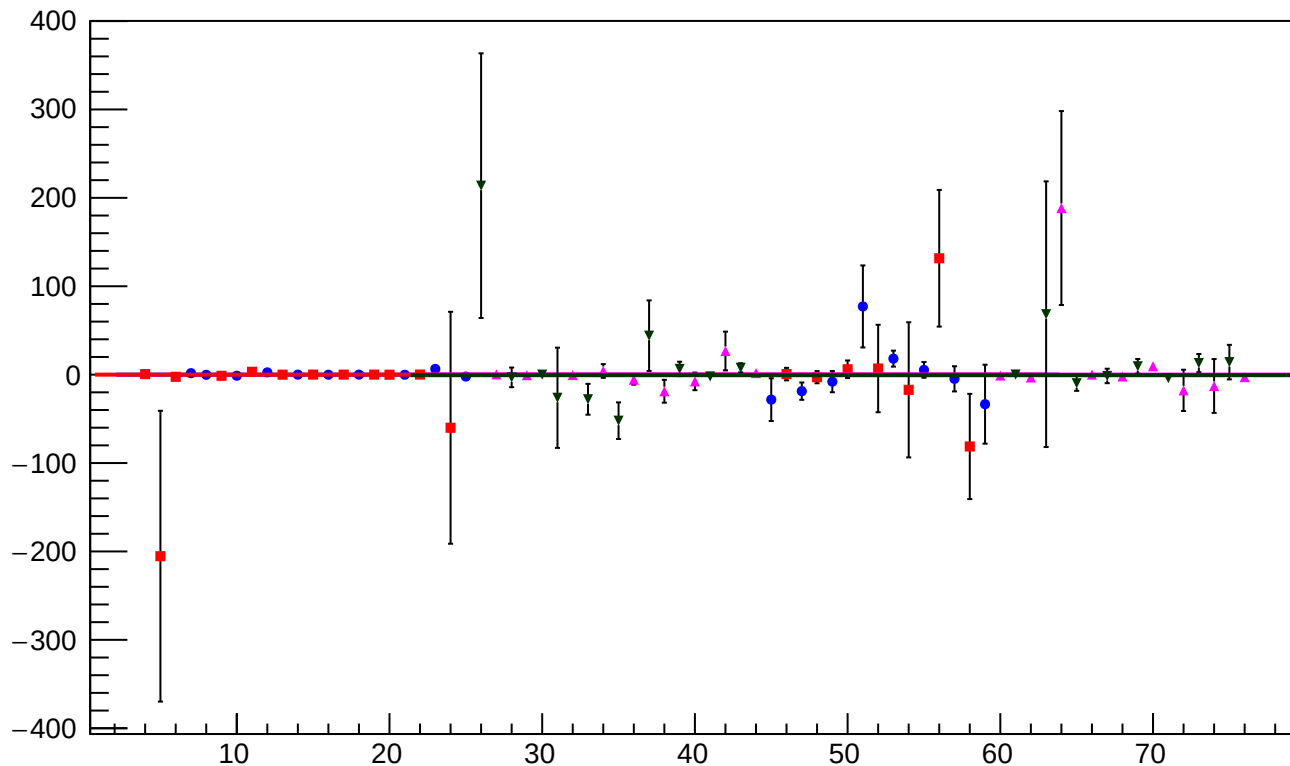


diff_cav4bX_mean vs slug



Right In: -0.014 $\pm$ 0.014

Left Out: -0.624 $\pm$ 1.128

Right Out: 0.017 $\pm$ 0.016

Left In: 0.068 $\pm$ 0.073

χ^2 /NDF: 31.2/17

χ^2 /NDF: 22.5/17

χ^2 /NDF: 24.7/18

χ^2 /NDF: 26.6/17

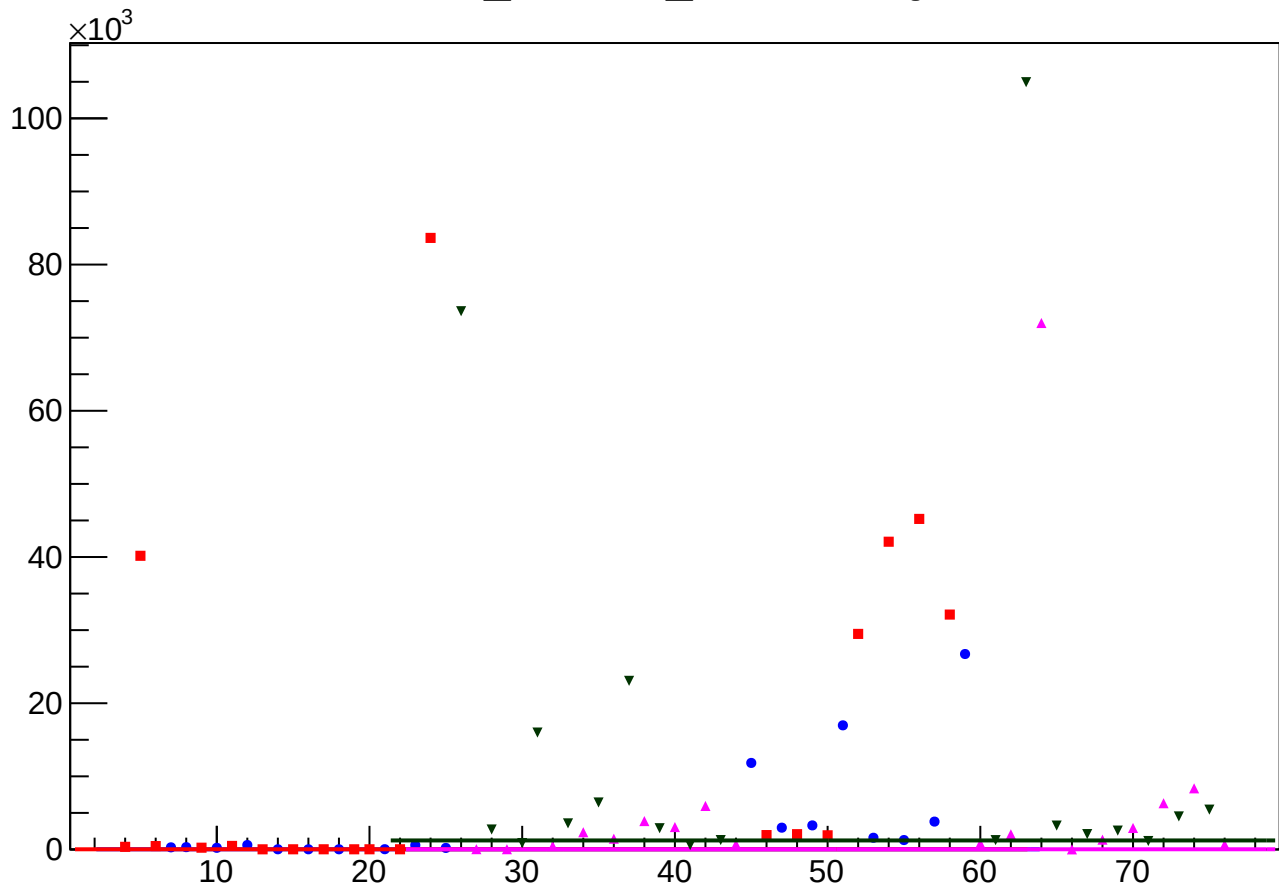
-0.014 $\pm$ 0.014

0.019 $\pm$ 0.016

χ^2 /NDF: 54.0/35

χ^2 /NDF: 51.7/36

diff_cav4bX_rms vs slug



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

Left Out: 1233.480 $\pm$ 0.797 χ^2/NDF : 3140742.2/17

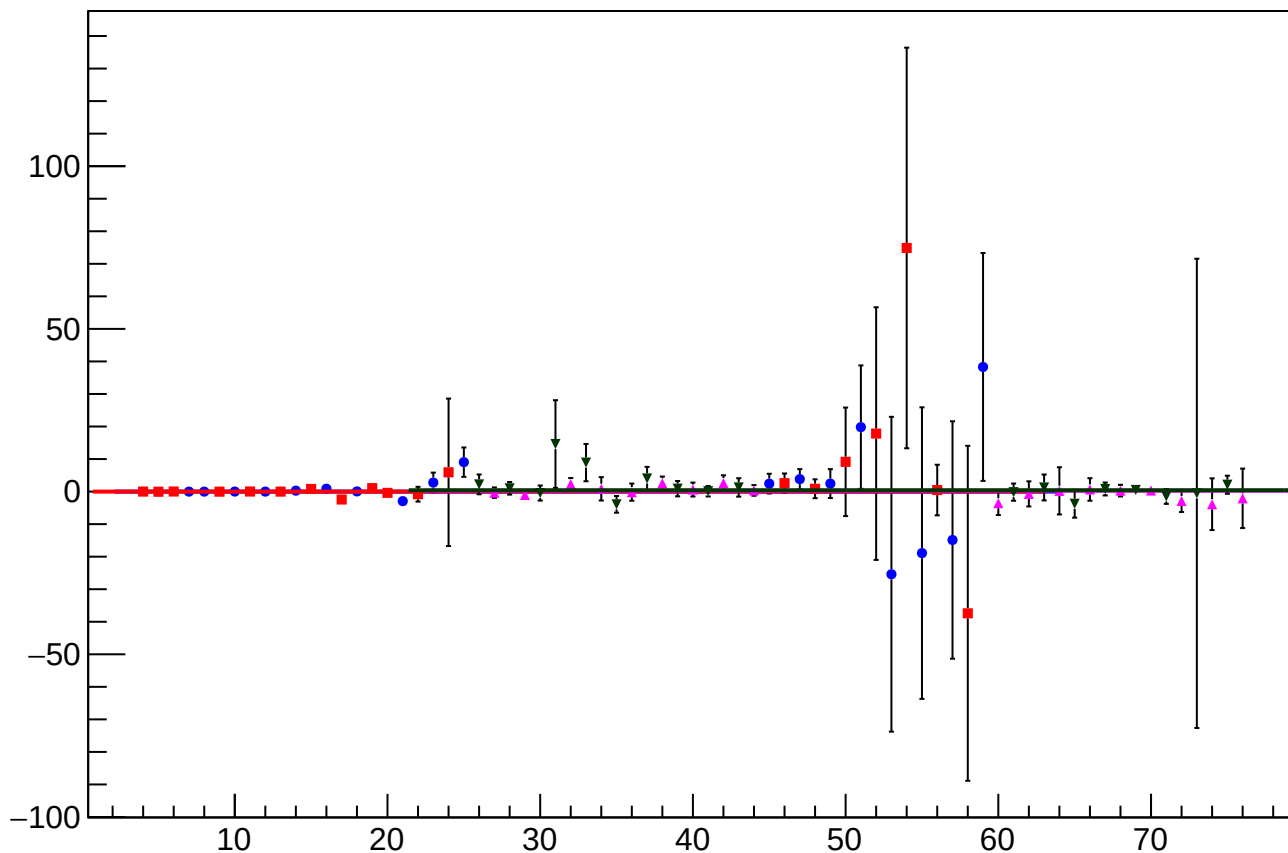
Right Out: 22.611 $\pm$ 0.011 χ^2/NDF : 4395534.2/18

Left In: 24.958 $\pm$ 0.052 χ^2/NDF : 5009716.4/17

22.625 $\pm$ 0.010 χ^2/NDF : 8251980.2/35

22.721 $\pm$ 0.011 χ^2/NDF : 9407228.1/36

diff_cav4bY_mean vs slug



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

Left Out: 0.408 ± 0.593 χ^2/NDF : 10.1/17

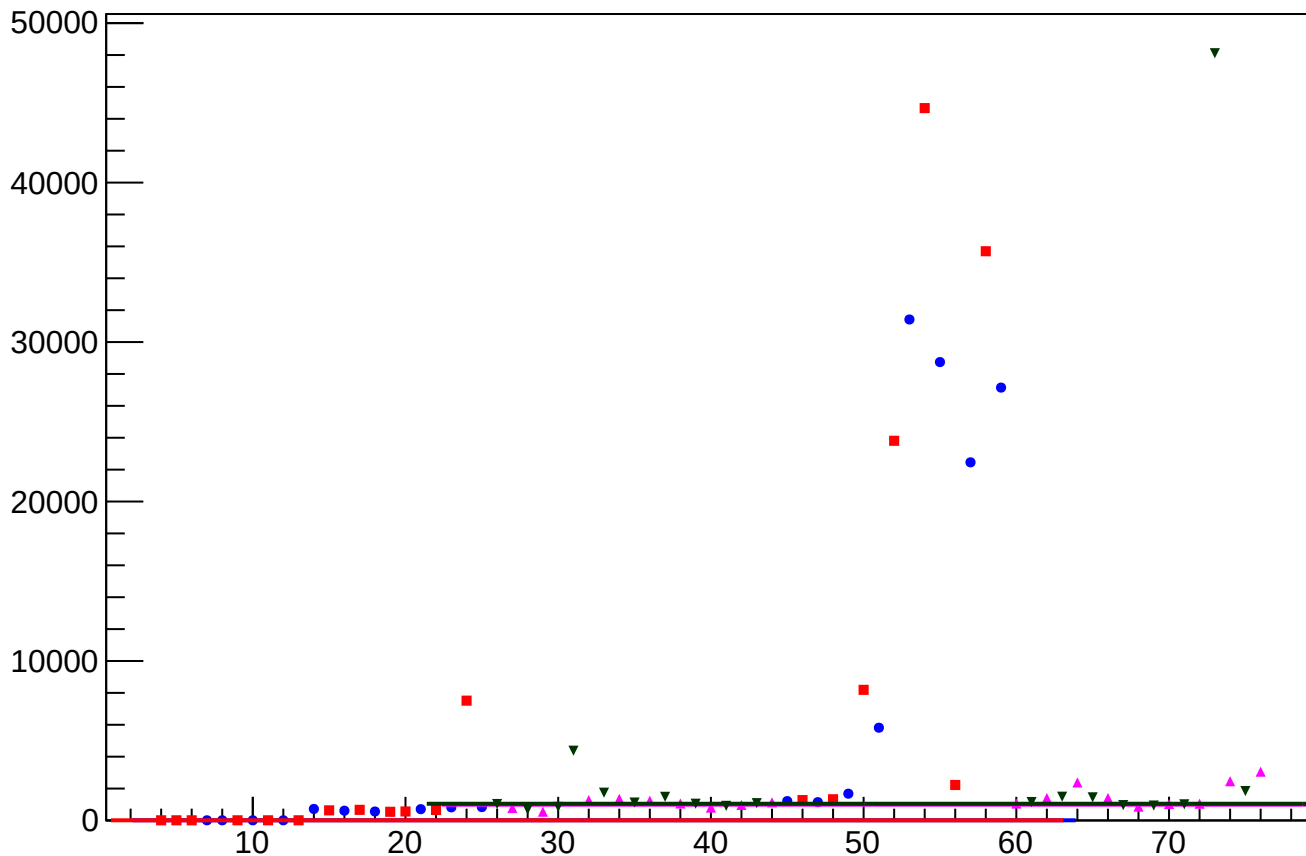
Right Out: 0.002 ± 0.005 χ^2/NDF : 20.3/18

Left In: 0.271 ± 0.527 χ^2/NDF : 6.8/17

-0.001 ± 0.006 χ^2/NDF : 34.2/35

0.002 ± 0.005 χ^2/NDF : 27.4/36

diff_cav4bY_rms vs slug



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

Left Out: 1047.516+/-0.419 χ^2/NDF :1361645.1/17

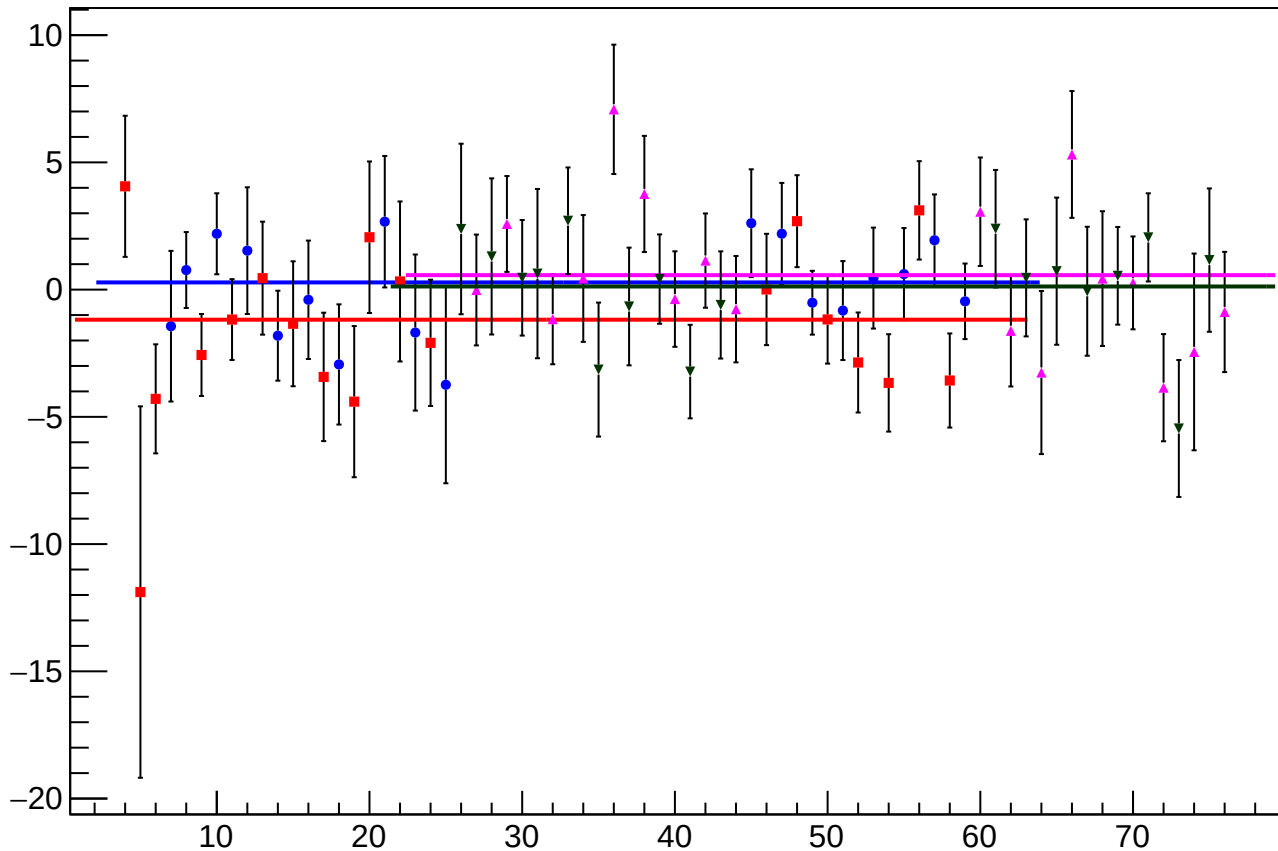
Right Out: 10.086 ± 0.004 χ^2/NDF : 6750125.6/18

Left In: 985.542+/-0.373 χ^2/NDF :675812.0/17

10.631 $\pm$ 0.005 χ^2 /NDF: 16442214.2/35

10.190+/-0.004 χ^2/NDF : 14275540.9/36

diff_cav4cX_mean vs slug



Right In: 0.283 $\pm$ 0.455 χ^2 /NDF: 11.8/17

Left Out: 0.123 $\pm$ 0.542 χ^2 /NDF:14.0/17

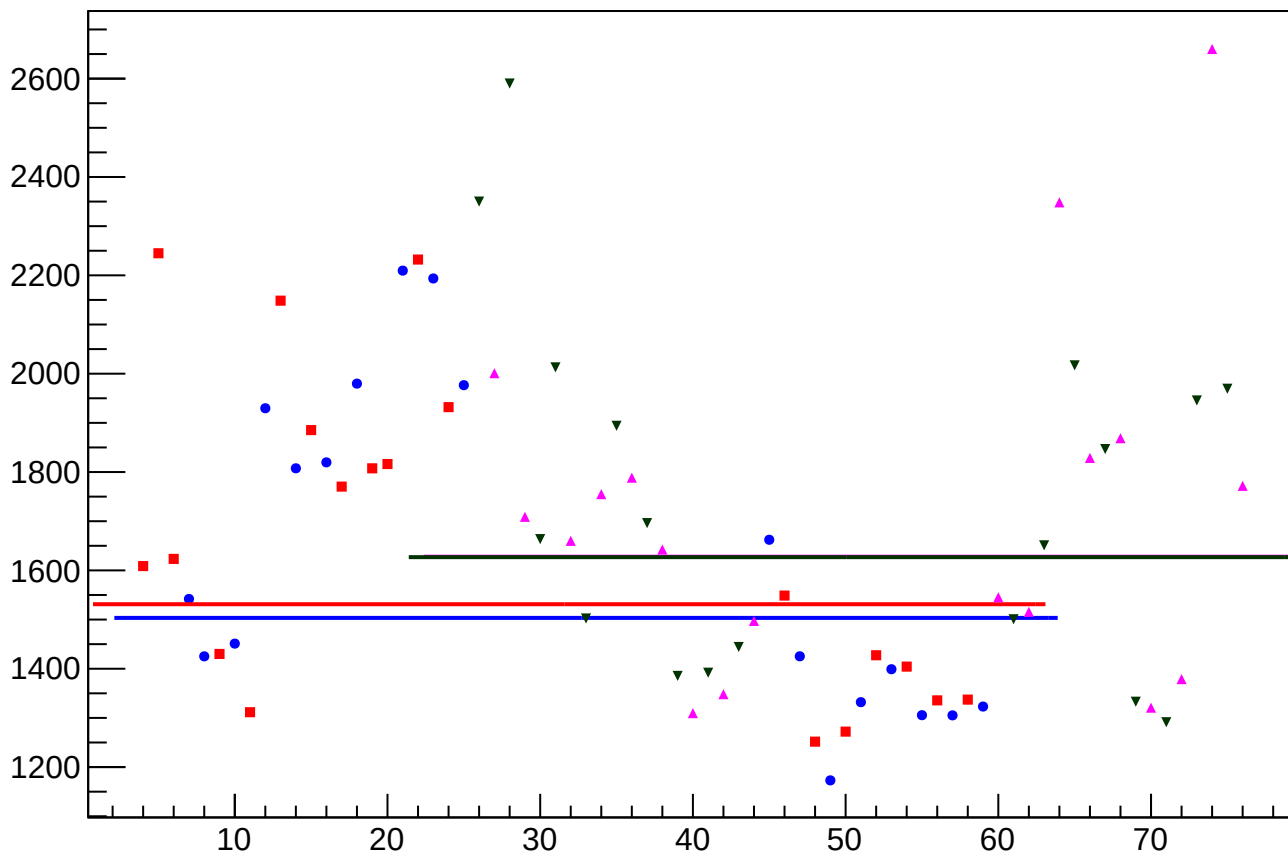
Right Out: -1.182 $\pm$ 0.494 χ^2 /NDF: 26.5/18

Left In: 0.568 $\pm$ 0.518 χ^2 /NDF:24.3/17

0.217 $\pm$ 0.349 χ^2 /NDF: 25.9/35

-0.349 $\pm$ 0.357 χ^2 /NDF: 56.8/36

diff_cav4cX_rms vs slug



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

Left Out: 1626.919+/-0.383 χ^2/NDF : 670158.9/17

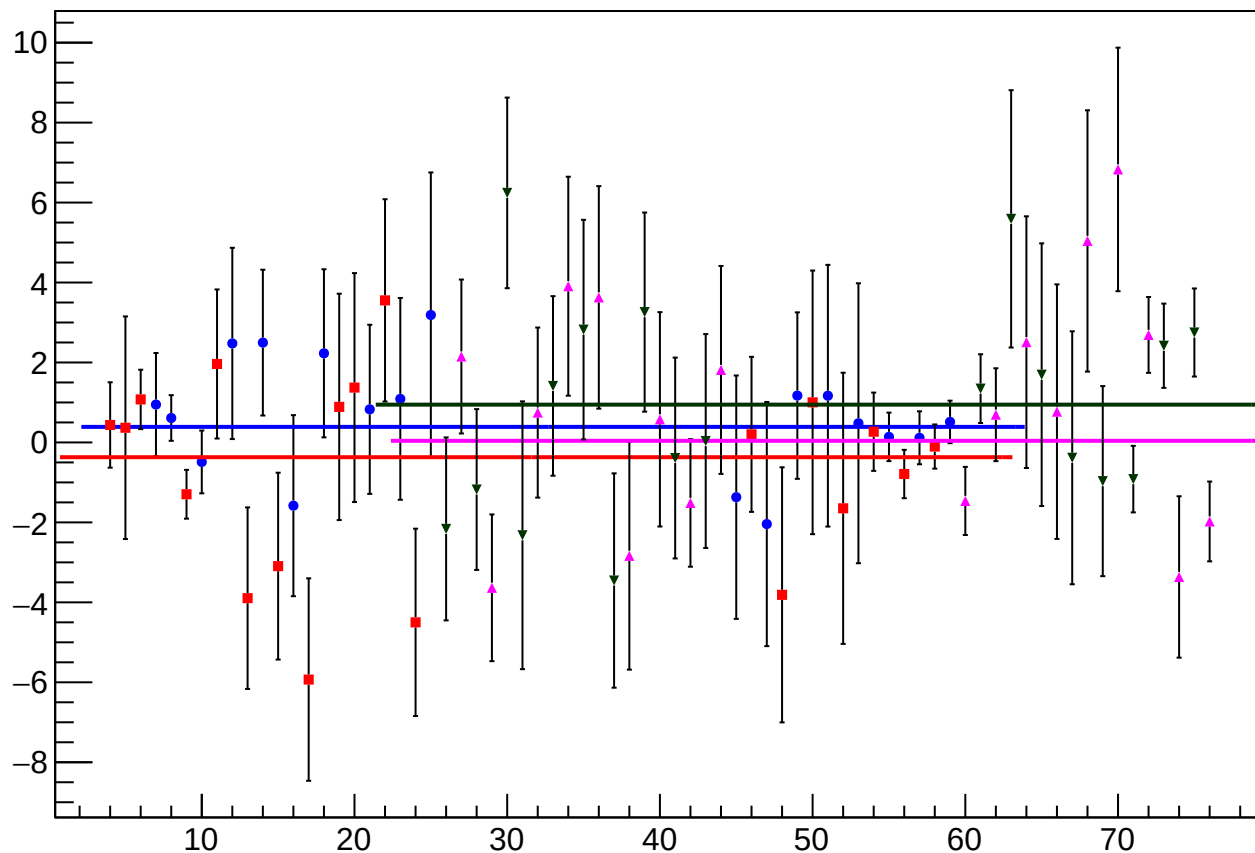
Right Out: 1531.211+/-0.349 χ^2/NDF : 621310.9/18

Left In: 1627.902+/-0.366 χ^2/NDF : 560828.6/17

1554.531+/-0.247 χ^2/NDF : 1507833.1/35

1577.222+/-0.253 χ^2/NDF : 1218652.0/36

diff_cav4cY_mean vs slug



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

Left Out: 0.945 ± 0.389 χ^2/NDF : 26.1/17

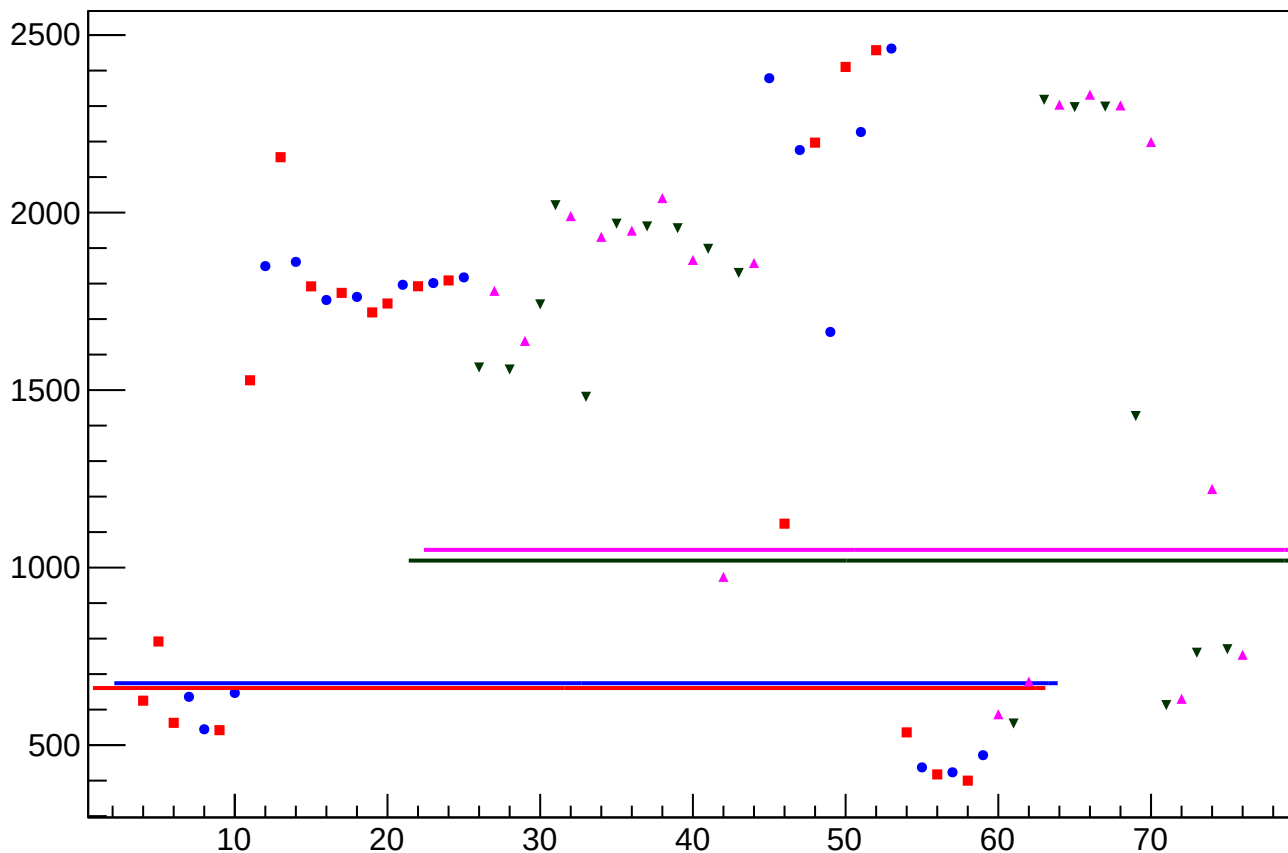
Right Out: -0.369 ± 0.263 χ^2/NDF : 25.7/18

Left In: 0.041 ± 0.385 χ^2/NDF : 37.6/17

0.553 ± 0.211 χ^2/NDF : 35.1/35

-0.239 ± 0.217 χ^2/NDF : 64.0/36

diff_cav4cY_rms vs slug



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

Left Out: 1019.766 $\pm$ 0.275 χ^2 /NDF:4183517.5/17

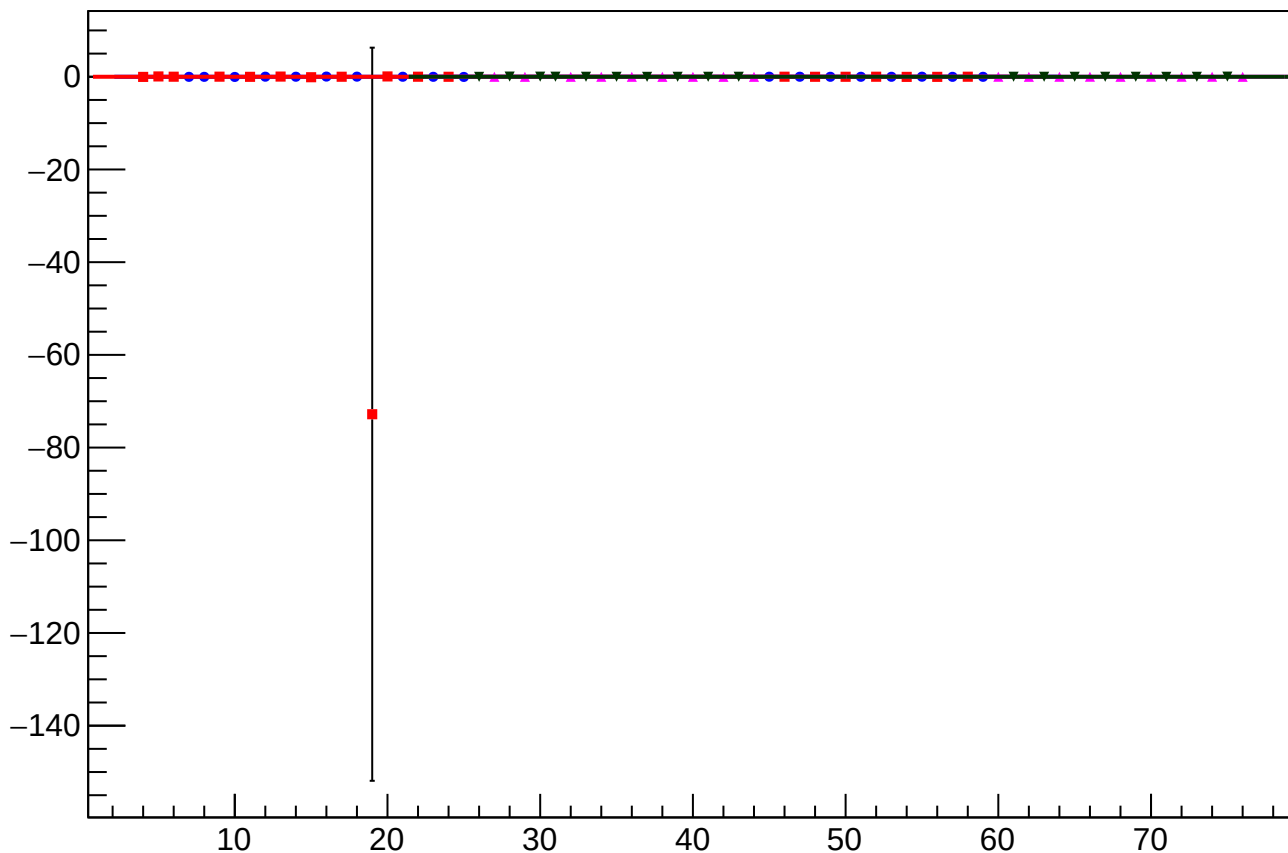
Right Out: 660.761 $\pm$ 0.186 χ^2 /NDF: 6222915.7/18

Left In: 1049.924 $\pm$ 0.273 χ^2 /NDF:4520268.7/17

776.278 $\pm$ 0.149 χ^2 /NDF: 12310428.6/35

784.131 $\pm$ 0.153 χ^2 /NDF: 12136095.7/36

diff_cav4dX_mean vs slug



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

Left Out: 0.002 $\pm$ 0.003 χ^2 /NDF:15.3/17

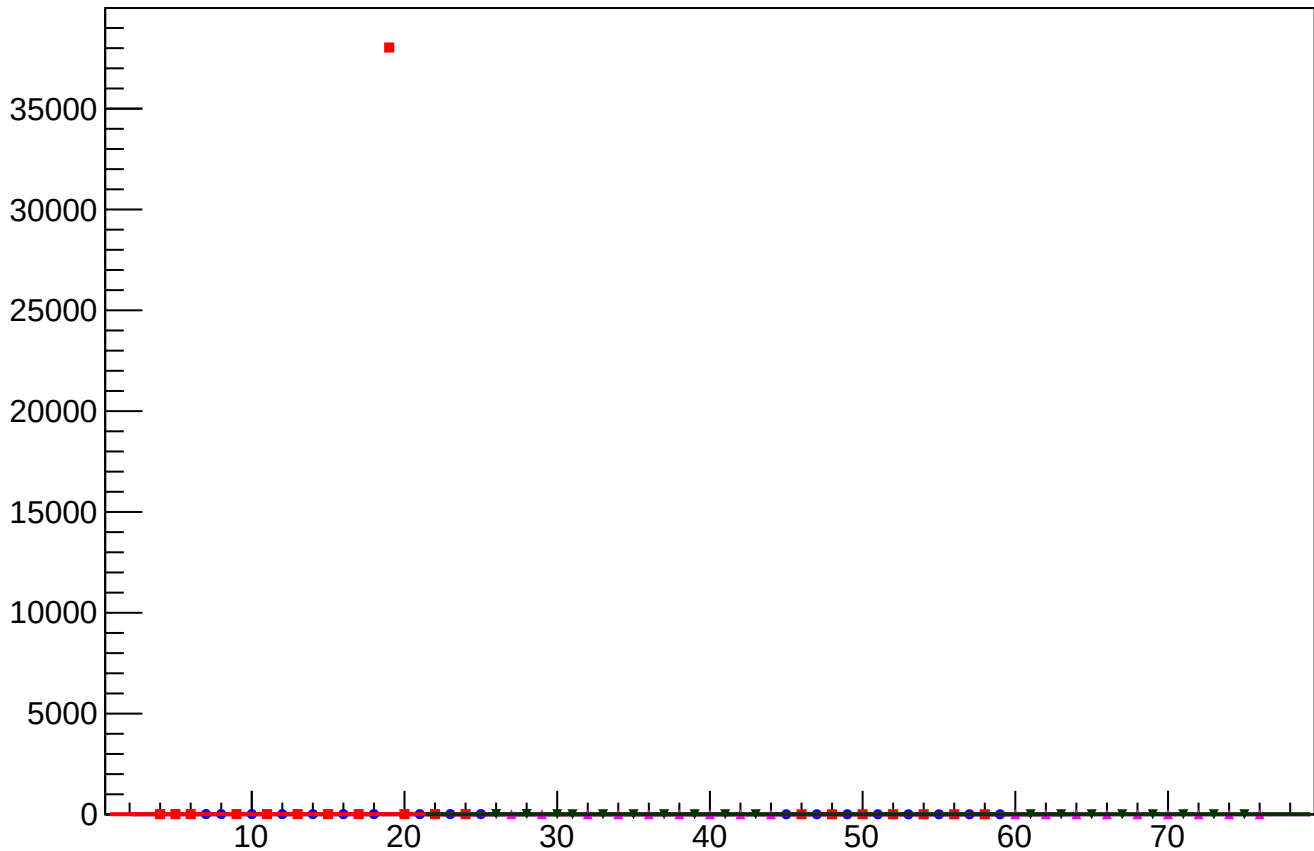
Right Out: 0.002 $\pm$ 0.004 χ^2 /NDF: 20.0/18

Left In: 0.003 $\pm$ 0.003 χ^2 /NDF:8.9/17

0.001 $\pm$ 0.002 χ^2 /NDF: 27.3/35

0.003 $\pm$ 0.002 χ^2 /NDF: 28.9/36

diff_cav4dX_rms vs slug



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

Left Out: 9.024+/-0.002 χ^2/NDF : 615525.8/17

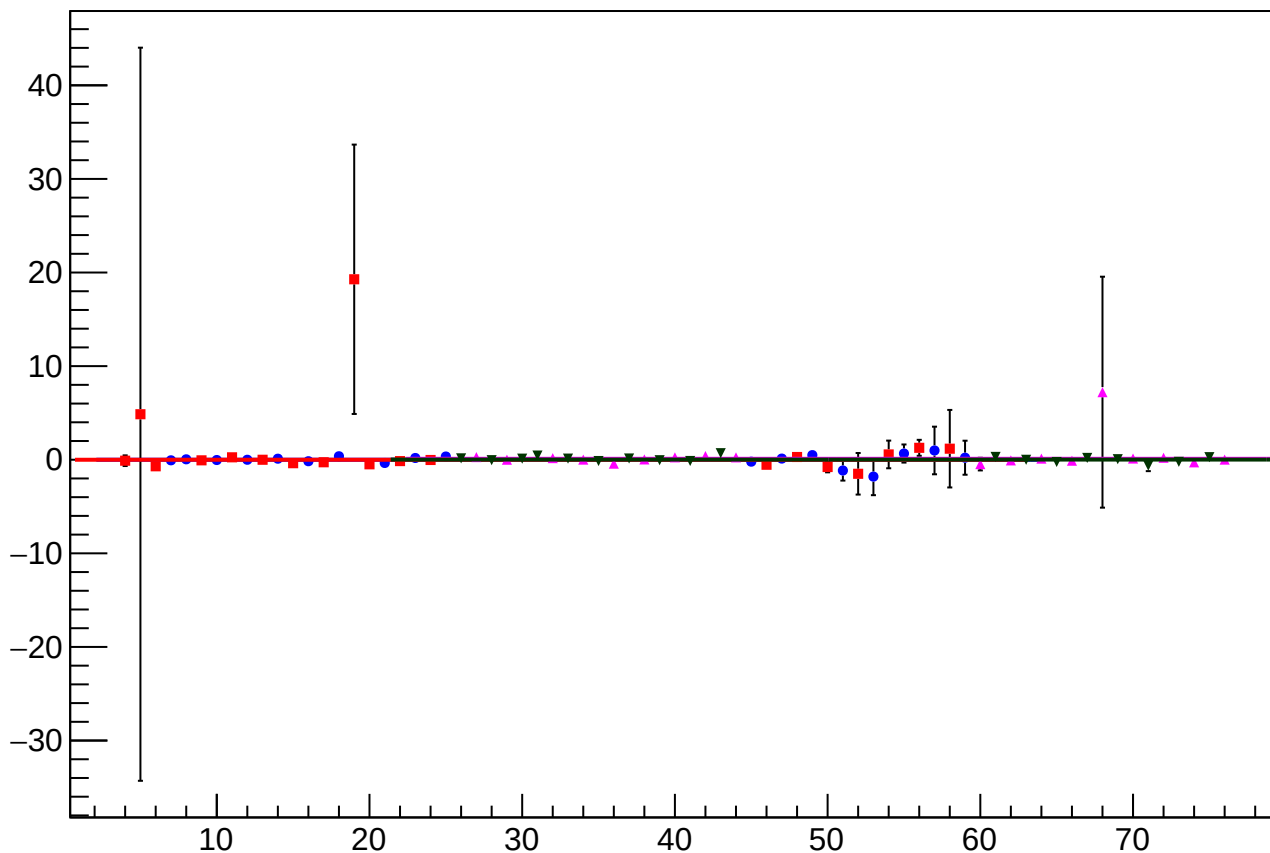
9.670+/-0.002 χ^2/NDF : 2789070.0/35

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

9.720+/-0.002 χ^2/NDF : 3374932.9/36

Left In: 9.028+/-0.002 χ^2/NDF : 781609.9/17

diff_cav4dY_mean vs slug



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

Left Out: 0.017 $\pm$ 0.044 χ^2/NDF : 24.5/17

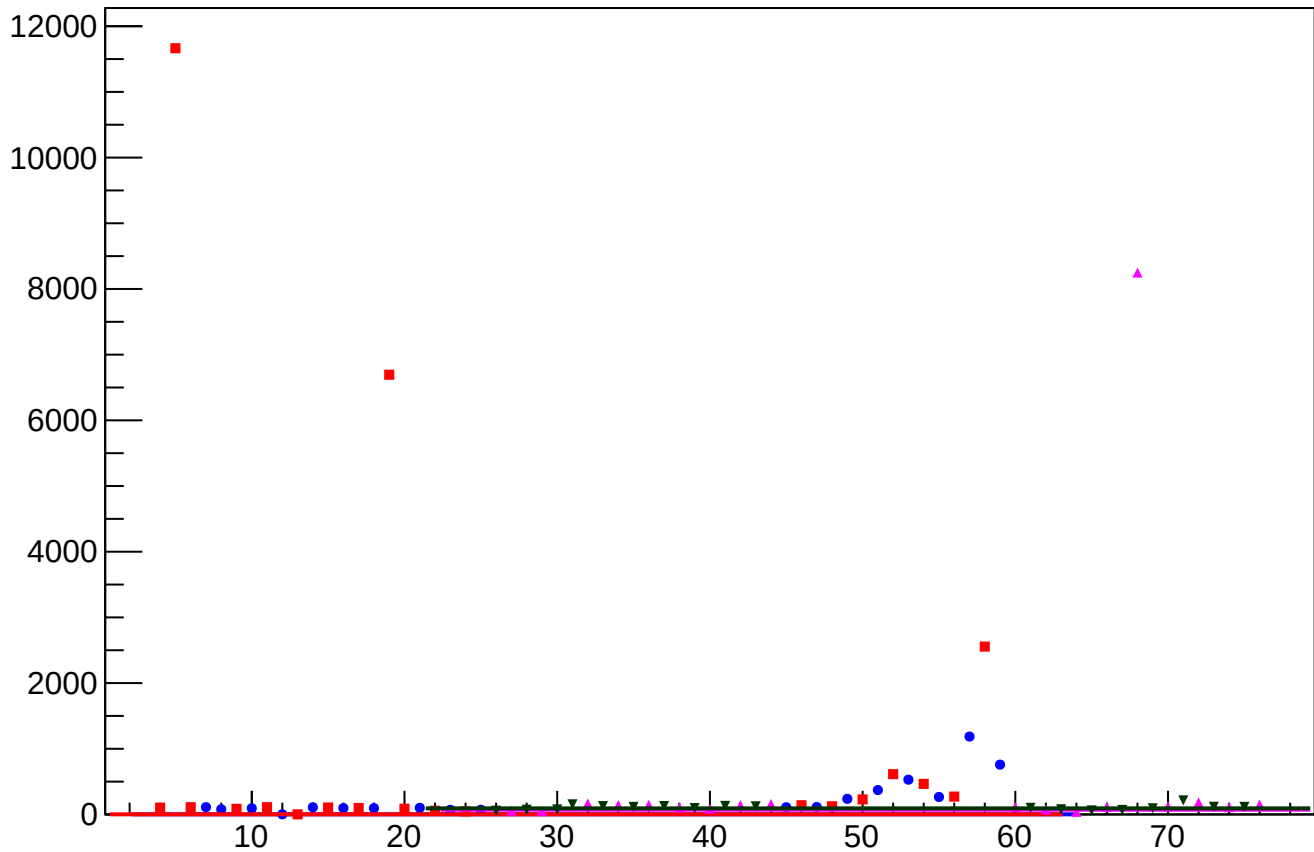
Right Out: -0.003 $\pm$ 0.003 χ^2/NDF : 21.1/18

Left In: 0.100 $\pm$ 0.037 χ^2/NDF : 15.2/17

-0.003 $\pm$ 0.003 χ^2/NDF : 45.5/35

-0.002 $\pm$ 0.003 χ^2/NDF : 43.8/36

diff_cav4dY_rms vs slug



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

Left Out: 92.732+/-0.031 χ^2/NDF : 774920.0/17

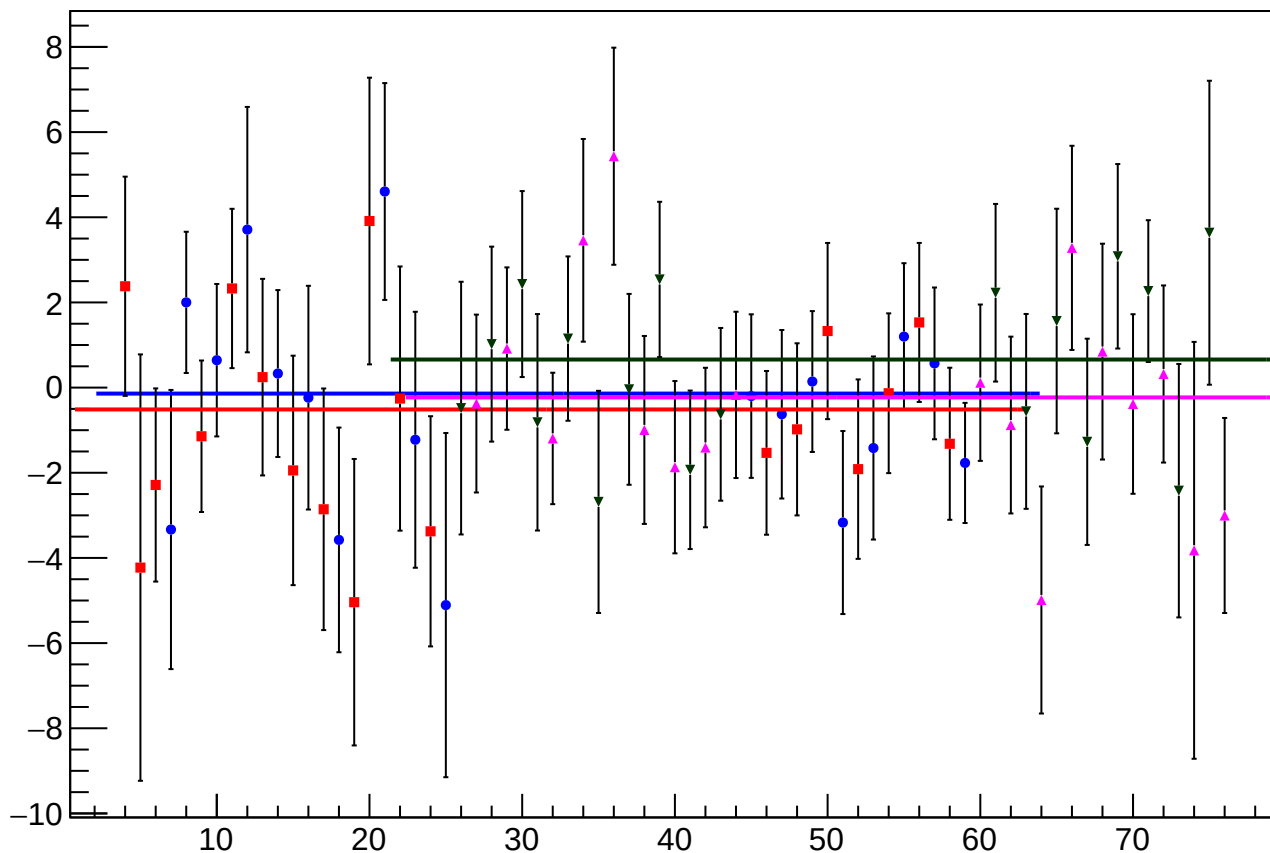
Right Out: 2.101+/-0.002 χ^2/NDF : 6716516.3/18

Left In: 71.976+/-0.026 χ^2/NDF : 3045202.2/17

2.656+/-0.002 χ^2/NDF : 18377695.6/35

2.556+/-0.002 χ^2/NDF : 16725525.3/36

diff_bpm4aX_mean vs slug



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

Left Out: 0.659 ± 0.526 $\chi^2/\text{NDF}: 11.9/17$

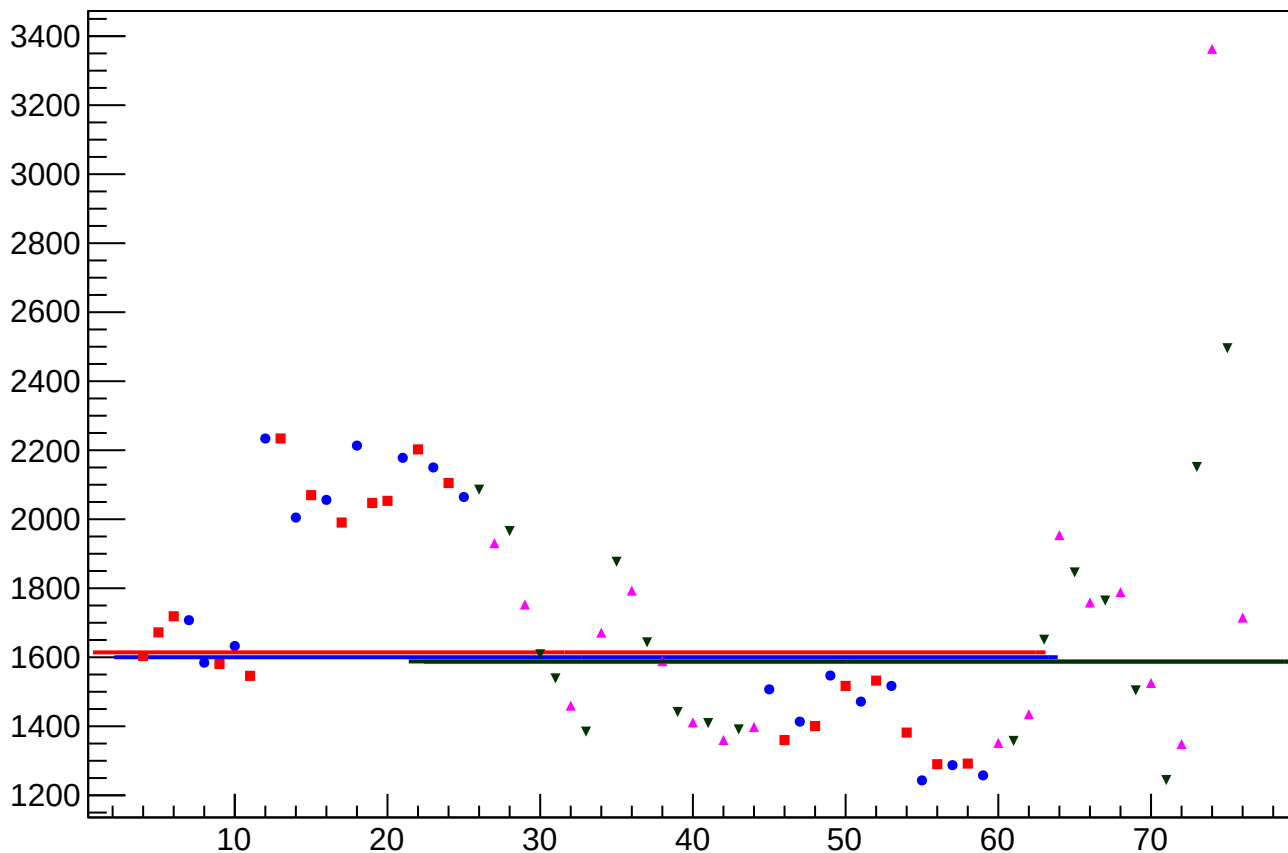
Right Out: -0.513 ± 0.519 $\chi^2/\text{NDF}: 13.6/18$

Left In: -0.231 ± 0.504 $\chi^2/\text{NDF}: 17.0/17$

0.227 ± 0.357 $\chi^2/\text{NDF}: 29.2/35$

-0.368 ± 0.361 $\chi^2/\text{NDF}: 30.7/36$

diff_bpm4aX_rms vs slug



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

Left Out: 1587.896 $\pm$ 0.372 χ^2 /NDF: 554858.1/17

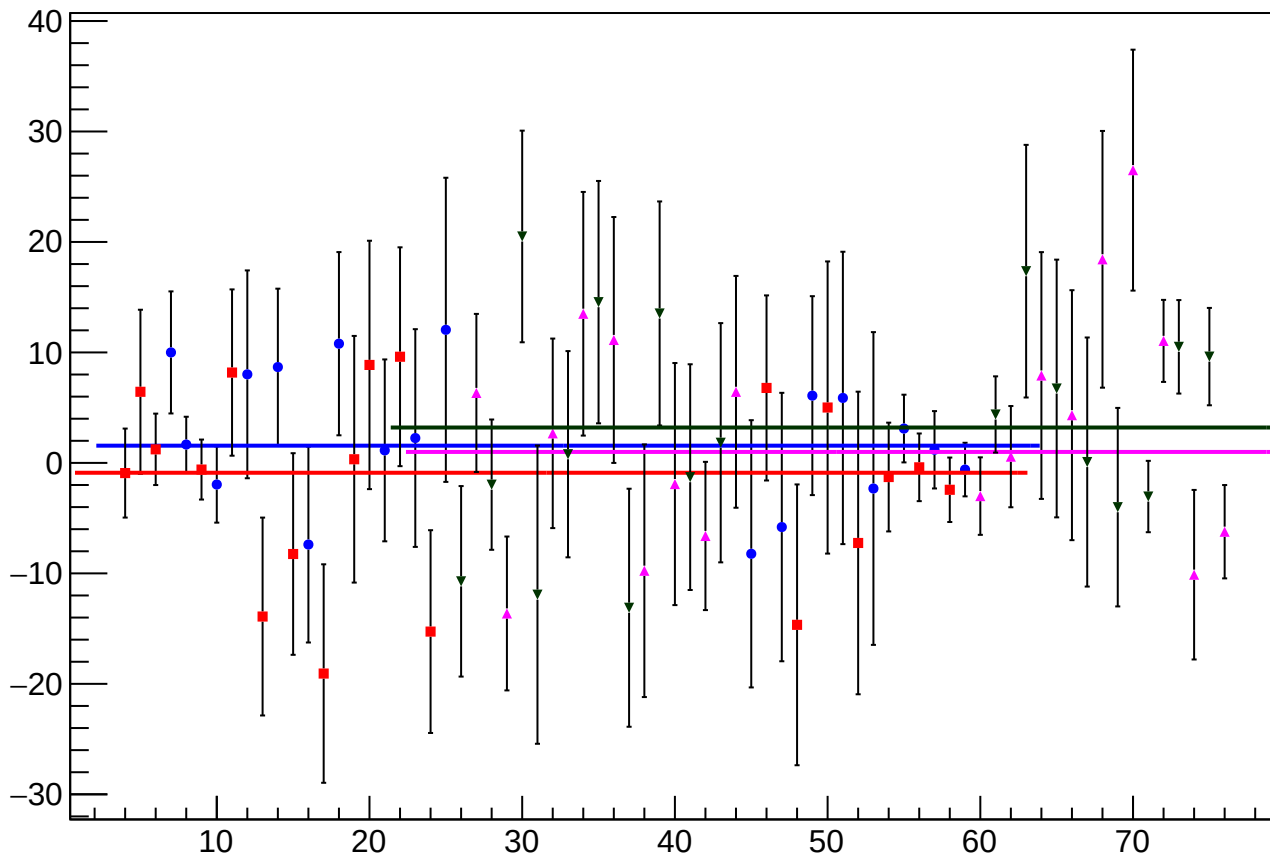
Right Out: 1614.182 $\pm$ 0.367 χ^2 /NDF: 670373.5/18

Left In: 1586.620 $\pm$ 0.356 χ^2 /NDF: 563496.9/17

1594.491 $\pm$ 0.252 χ^2 /NDF: 1405195.4/35

1599.993 $\pm$ 0.256 χ^2 /NDF: 1236774.5/36

diff_bpm4aY_mean vs slug



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

Left Out: 3.203 ± 1.512 χ^2/NDF : 23.9/17

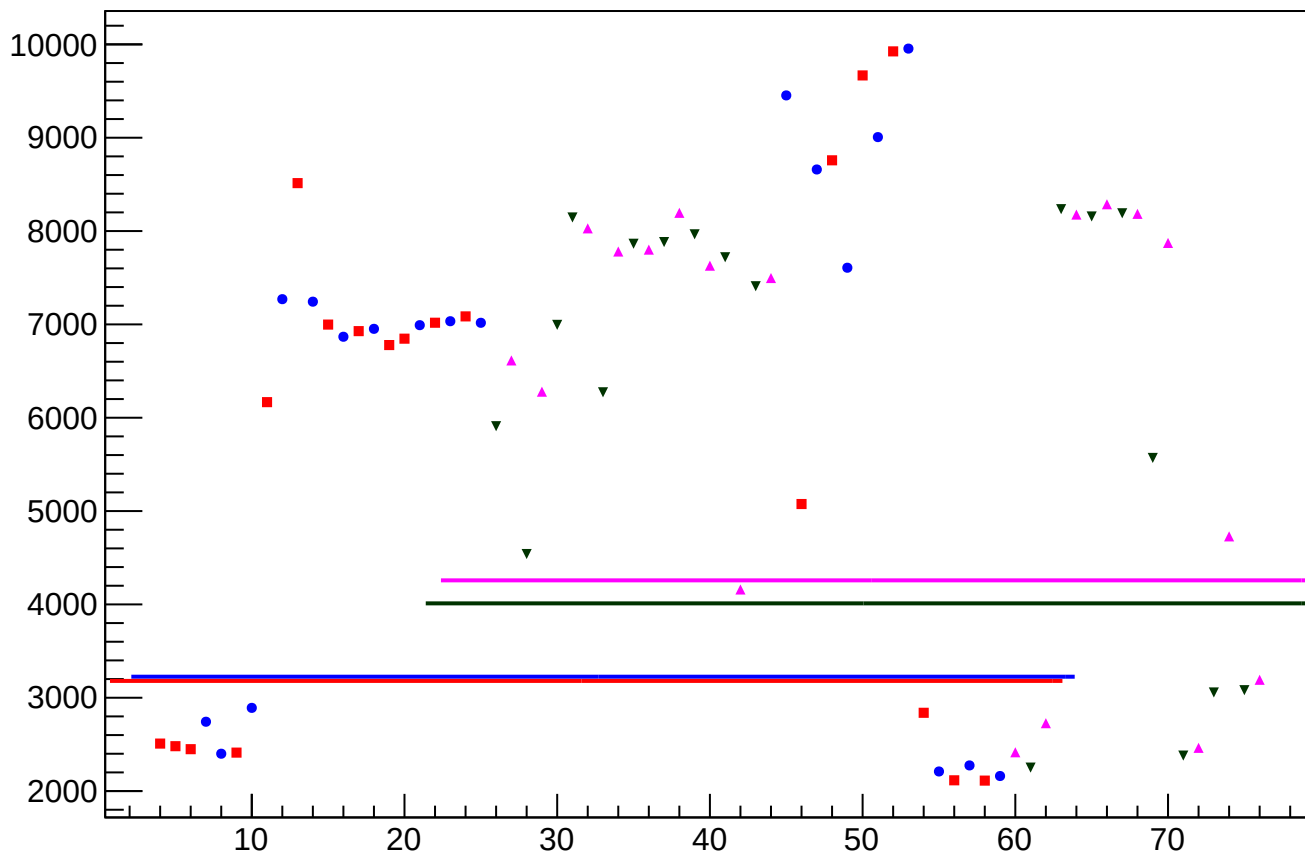
Right Out: -0.892 ± 1.197 χ^2/NDF : 16.1/18

Left In: 0.993 ± 1.537 χ^2/NDF : 31.5/17

2.161 ± 0.915 χ^2/NDF : 34.8/35

-0.181 ± 0.944 χ^2/NDF : 48.5/36

diff_bpm4aY_rms vs slug



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

Left Out: 4011.086+/-1.069 χ^2/NDF :3962328.3/17

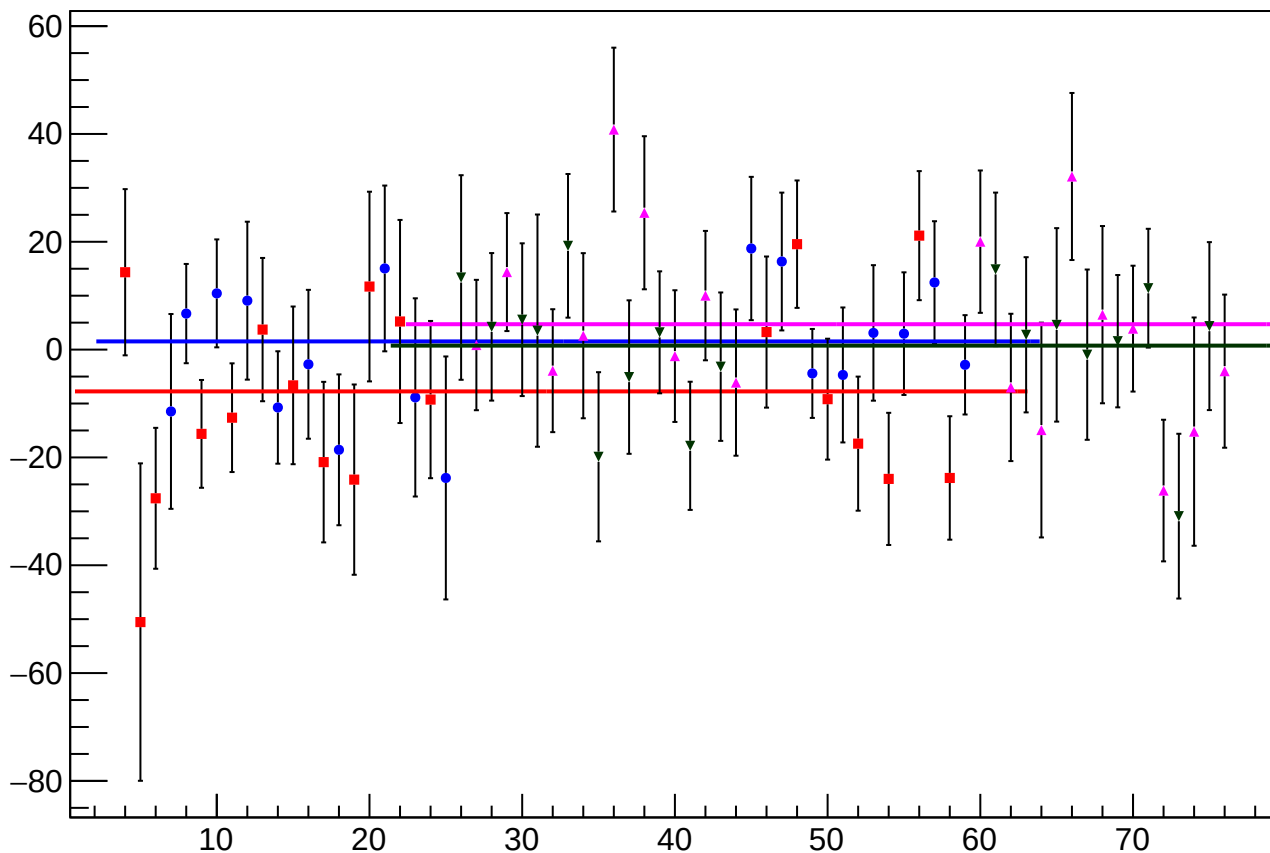
Right Out: 3180.260+/-0.846 χ^2/NDF : 5053490.5/18

Left In: 4257.618+/-1.087 χ^2/NDF :4120639.7/17

3512.686+/-0.647 χ^2/NDF : 10165520.1/35

3586.915+/-0.668 χ^2/NDF : 9785992.5/36

diff_bpm4eX_mean vs slug



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

Left Out: 0.738 ± 3.329 χ^2/NDF : 13.4/17

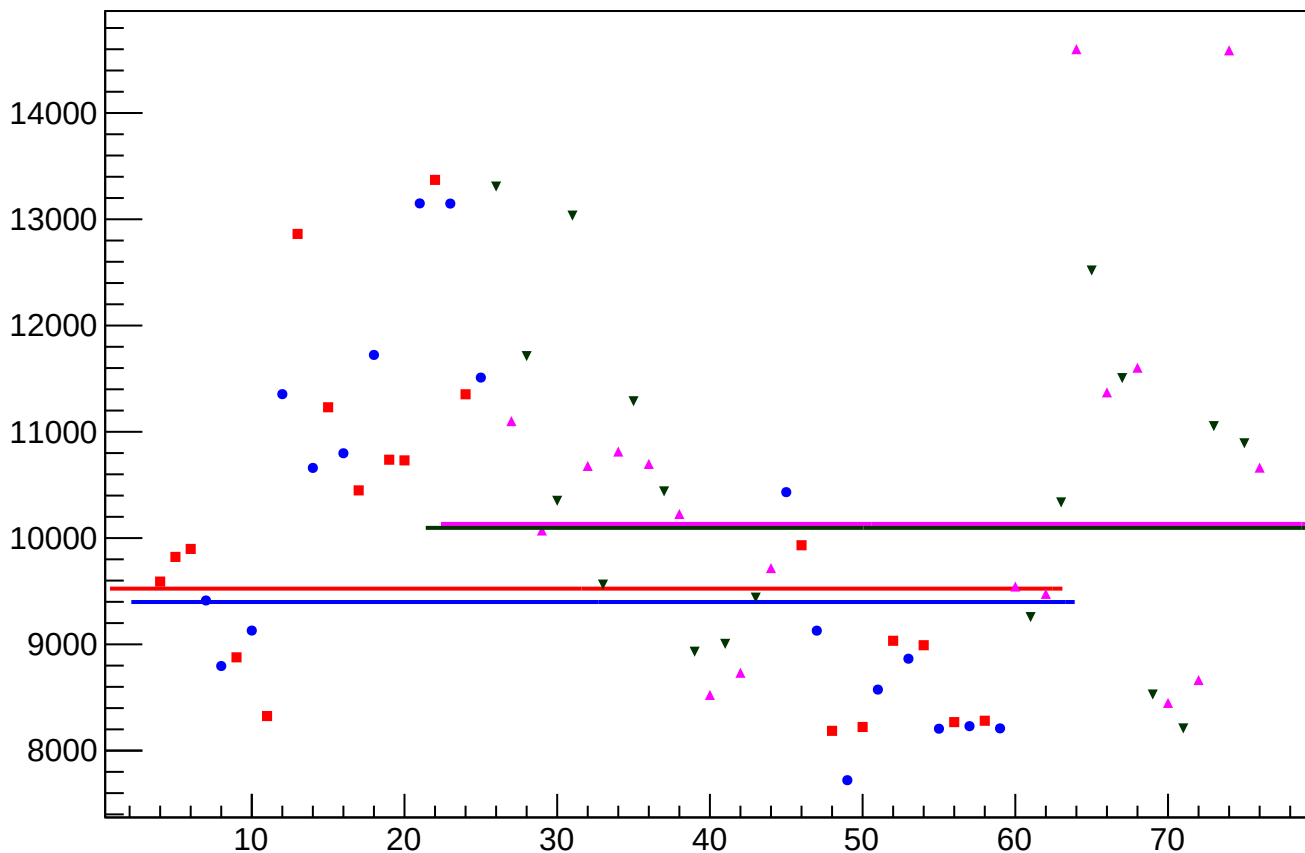
Right Out: -7.752 ± 3.046 χ^2/NDF : 27.5/18

Left In: 4.709 ± 3.205 χ^2/NDF : 23.3/17

1.192 ± 2.157 χ^2/NDF : 26.2/35

-1.840 ± 2.208 χ^2/NDF : 58.8/36

diff_bpm4eX_rms vs slug



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

Left Out: 10096.072 $\pm$ 2.354 χ^2 /NDF: 345865.6/17

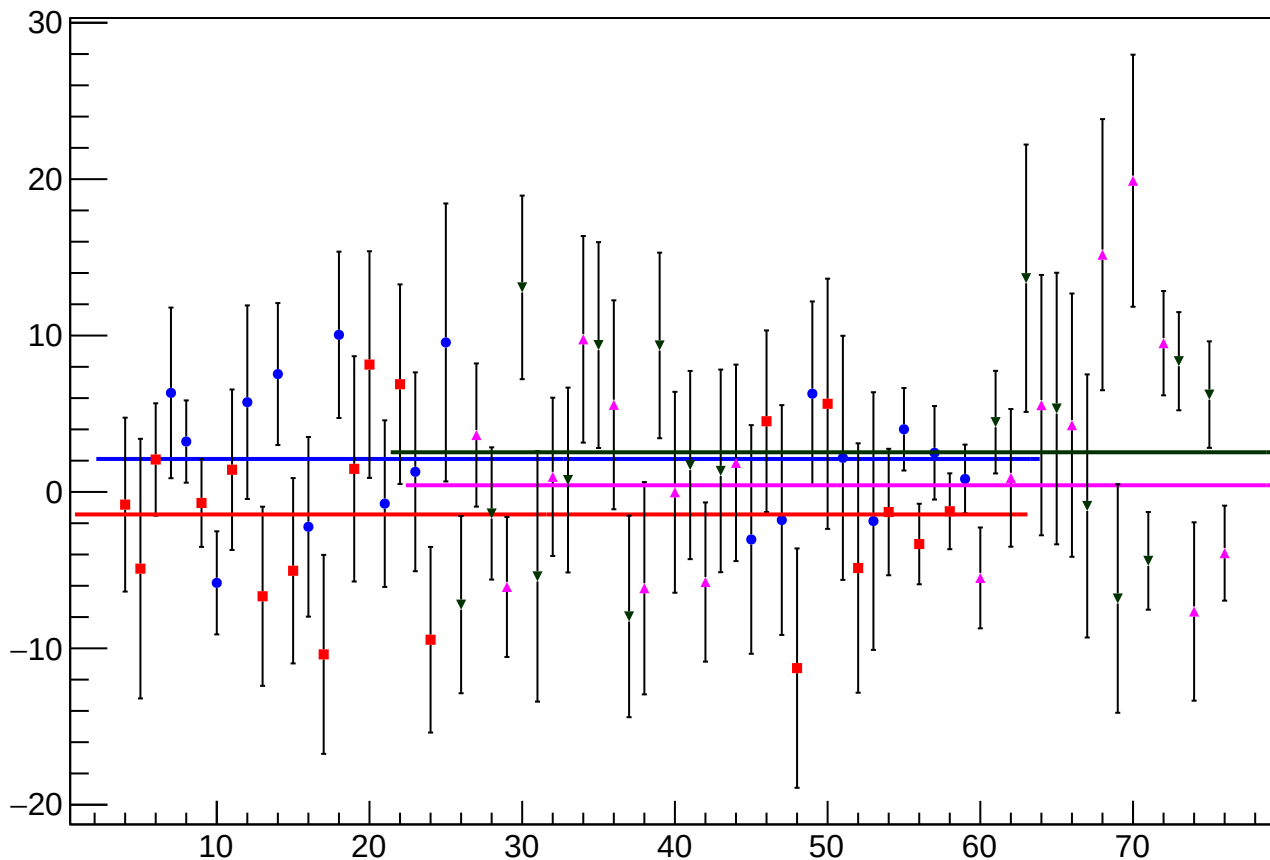
Right Out: 9524.317 $\pm$ 2.154 χ^2 /NDF: 440161.2/18

Left In: 10133.096 $\pm$ 2.267 χ^2 /NDF: 384119.7/17

9691.297 $\pm$ 1.525 χ^2 /NDF: 951691.2/35

9813.151 $\pm$ 1.561 χ^2 /NDF: 862193.7/36

diff_bpm4eY_mean vs slug



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

Left Out: 2.537 ± 1.170 $\chi^2/\text{NDF}: 26.7/17$

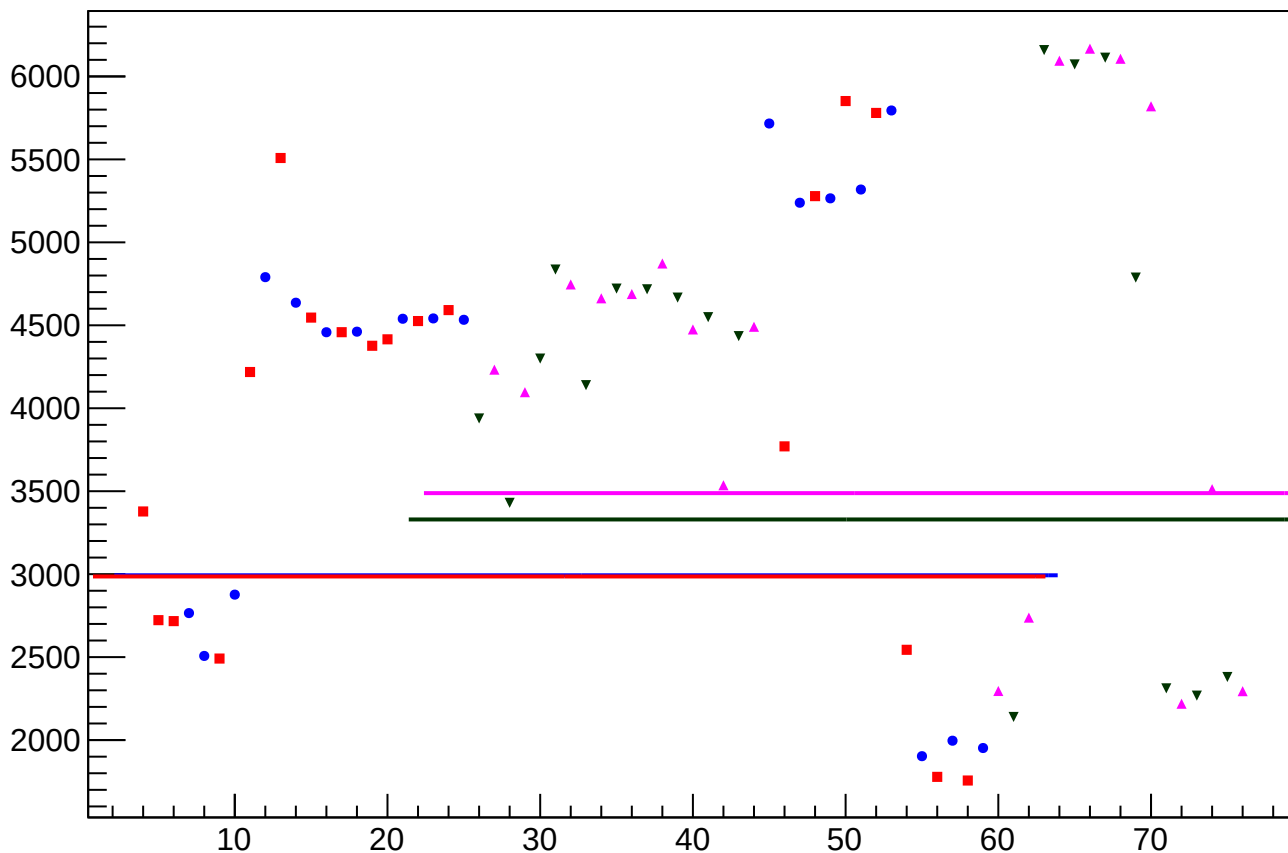
Right Out: -1.438 ± 1.040 $\chi^2/\text{NDF}: 14.4/18$

Left In: 0.428 ± 1.174 $\chi^2/\text{NDF}: 31.9/17$

2.286 ± 0.751 $\chi^2/\text{NDF}: 41.3/35$

-0.617 ± 0.778 $\chi^2/\text{NDF}: 47.6/36$

diff_bpm4eY_rms vs slug



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

Left Out: 3329.735 $\pm$ 0.827 χ^2 /NDF:2188731.6/17

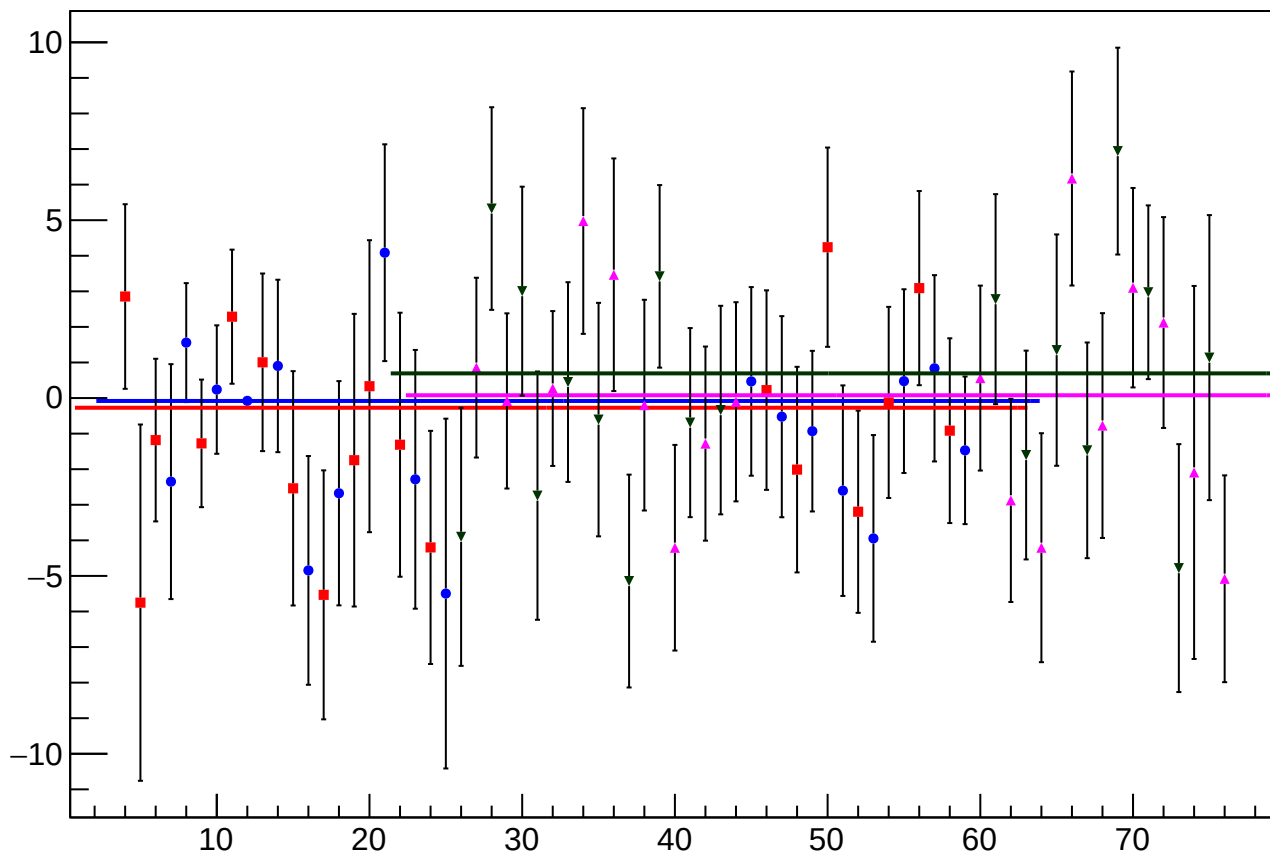
Right Out: 2986.116 $\pm$ 0.736 χ^2 /NDF: 2945634.2/18

Left In: 3488.413 $\pm$ 0.830 χ^2 /NDF:2201642.9/17

3131.815 $\pm$ 0.531 χ^2 /NDF: 5604150.7/35

3207.117 $\pm$ 0.550 χ^2 /NDF: 5352442.0/36

diff_bpm4acX_mean vs slug



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

Left Out: 0.694 ± 0.707 $\chi^2/\text{NDF}: 21.0/17$

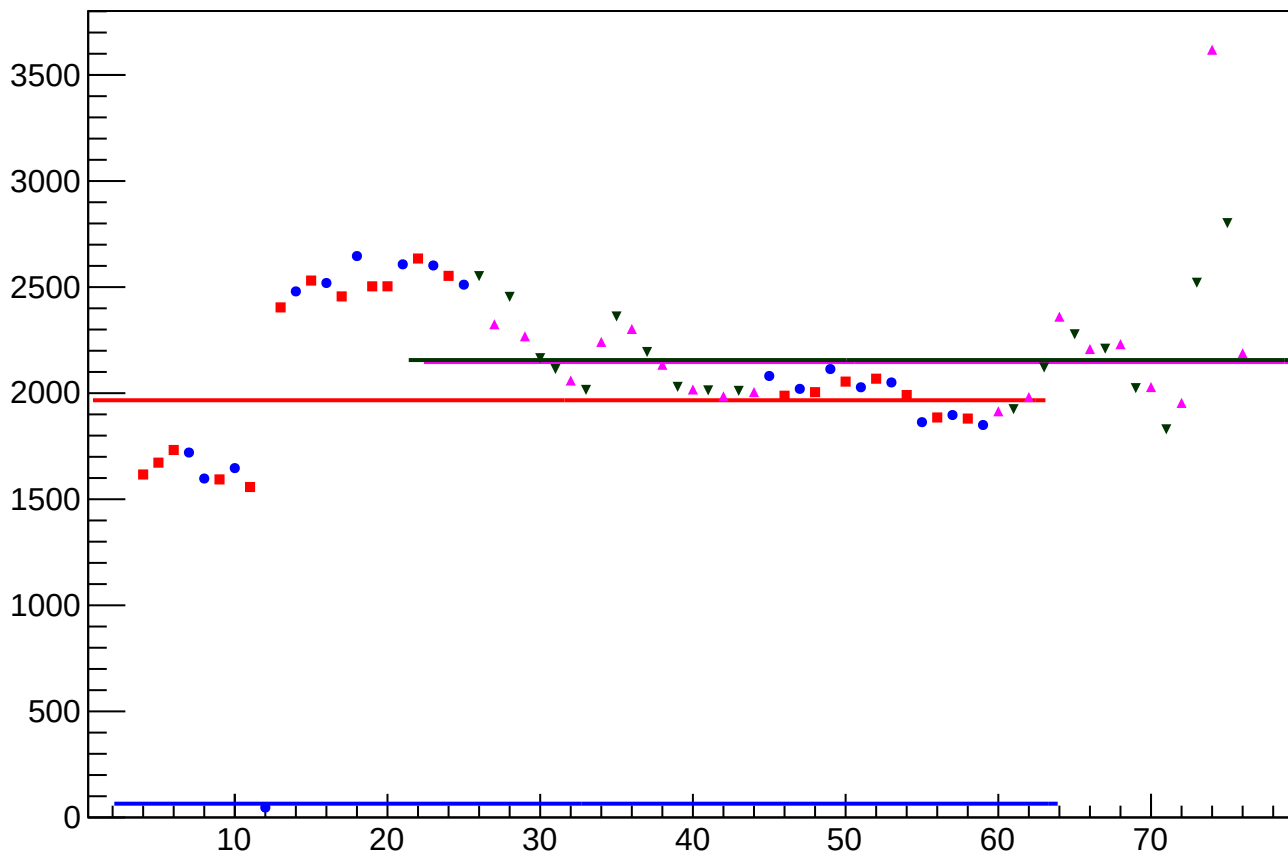
Right Out: -0.272 ± 0.631 $\chi^2/\text{NDF}: 15.3/18$

Left In: 0.079 ± 0.675 $\chi^2/\text{NDF}: 18.0/17$

-0.076 ± 0.060 $\chi^2/\text{NDF}: 33.4/35$

-0.109 ± 0.461 $\chi^2/\text{NDF}: 33.4/36$

diff_bpm4acX_rms vs slug



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

Left Out: 2156.069+/-0.500 χ^2/NDF : 204403.1/17

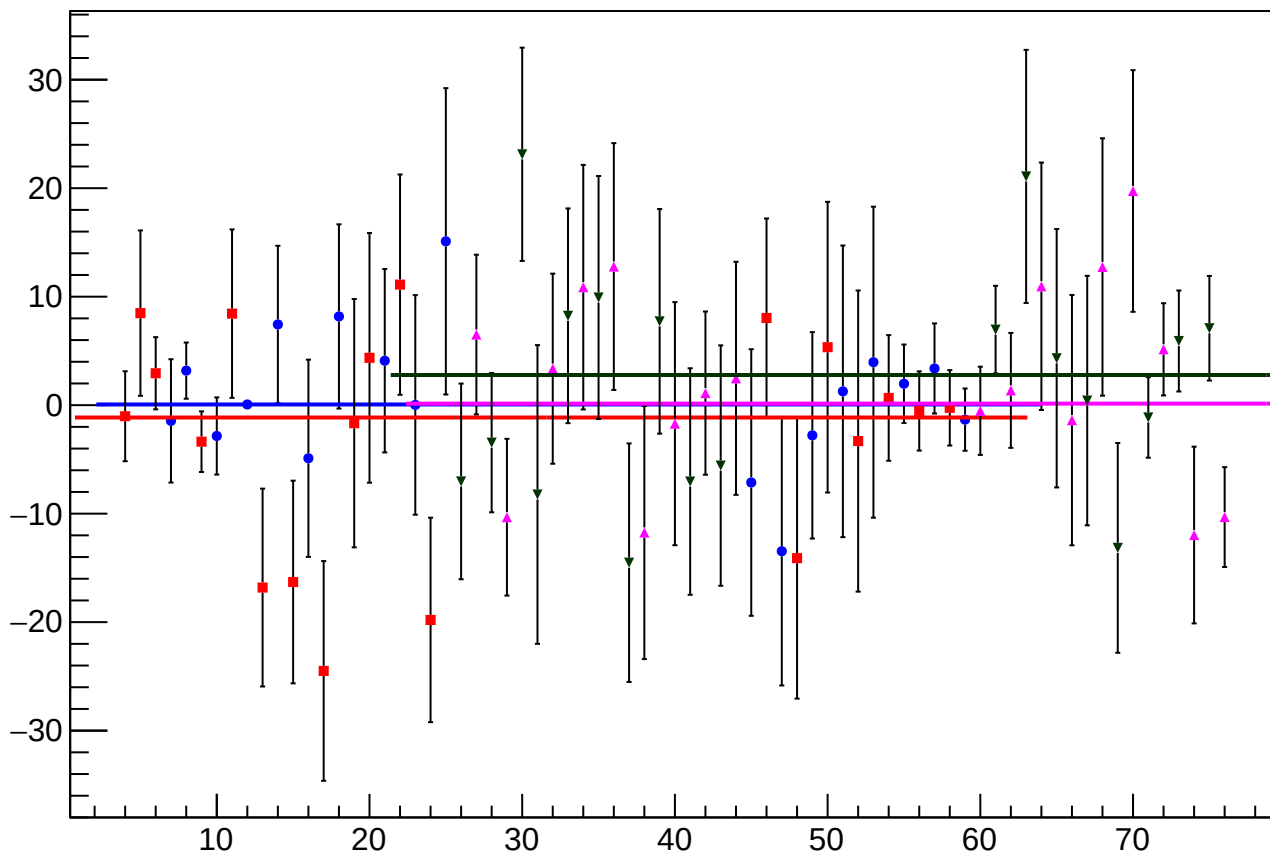
Right Out: 1966.634+/-0.446 χ^2/NDF : 610680.3/18

Left In: 2146.684+/-0.477 χ^2/NDF : 244243.3/17

79.909+/-0.042 χ^2/NDF : 37858585.9/35

2050.625+/-0.326 χ^2/NDF : 930834.1/36

diff_bpm4acY_mean vs slug



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

Left Out: 2.779 ± 1.664 χ^2/NDF : 20.6/17

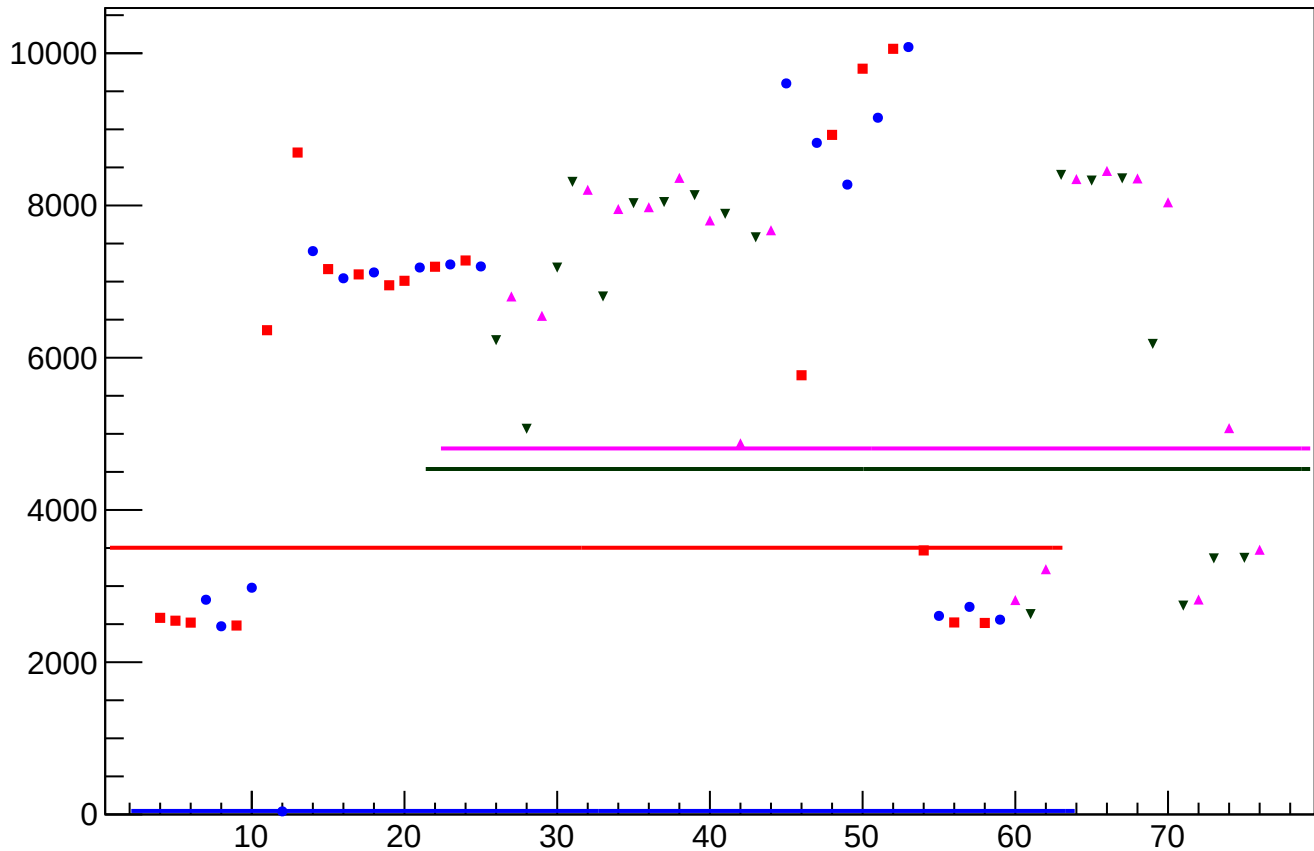
Right Out: -1.137 ± 1.295 χ^2/NDF : 24.2/18

Left In: 0.142 ± 1.685 χ^2/NDF : 20.2/17

0.068 ± 0.052 χ^2/NDF : 31.9/35

-0.662 ± 1.027 χ^2/NDF : 44.8/36

diff_bpm4acY_rms vs slug



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

Left Out: 4538.206+/-1.177 χ^2/NDF : 3338268.8/17

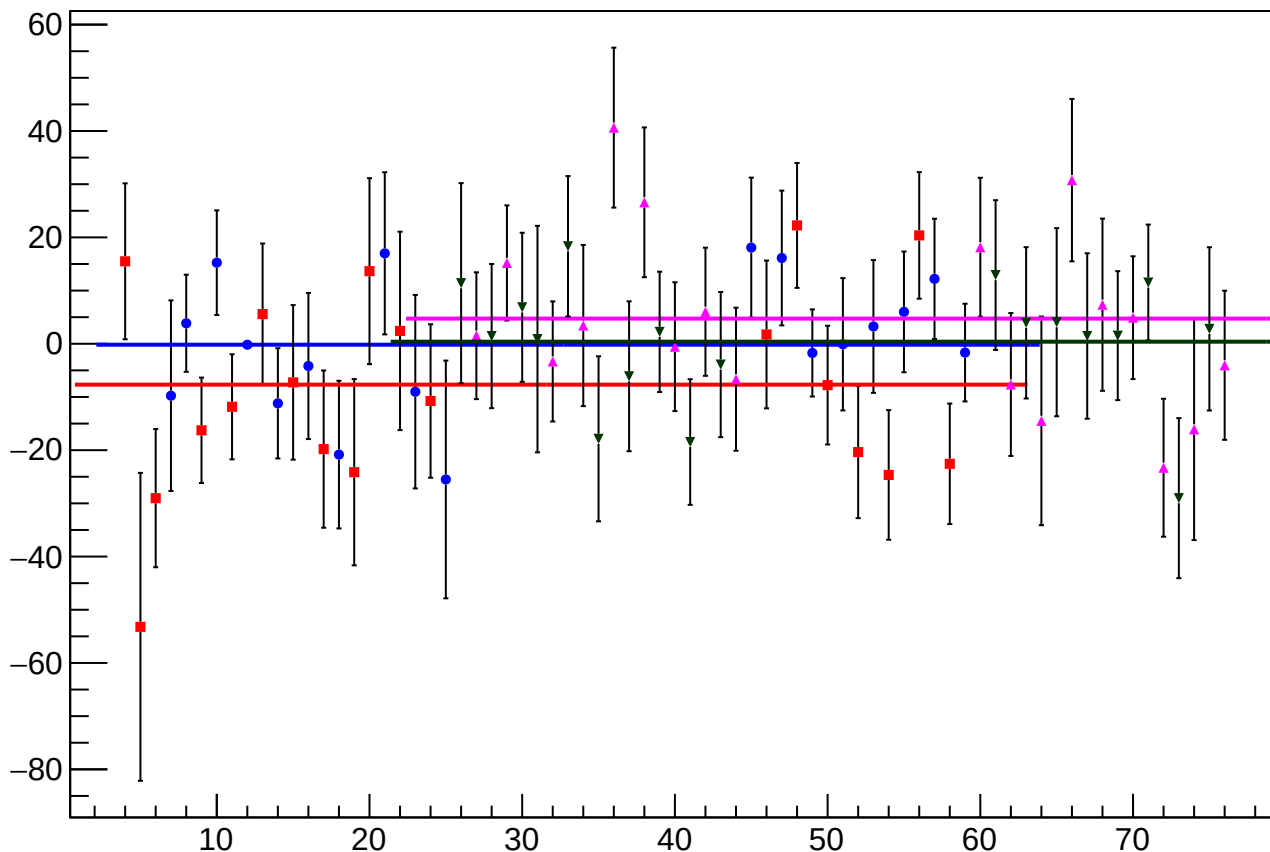
Right Out: 3503.720+/-0.916 χ^2/NDF : 4669685.2/18

Left In: 4808.052+/-1.192 χ^2/NDF : 3351526.9/17

50.651+/-0.037 χ^2/NDF : 38069628.8/35

3988.072+/-0.726 χ^2/NDF : 8774374.6/36

diff_bpm4ecX_mean vs slug



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

Left Out: 0.393 ± 3.295 χ^2/NDF : 12.5/17

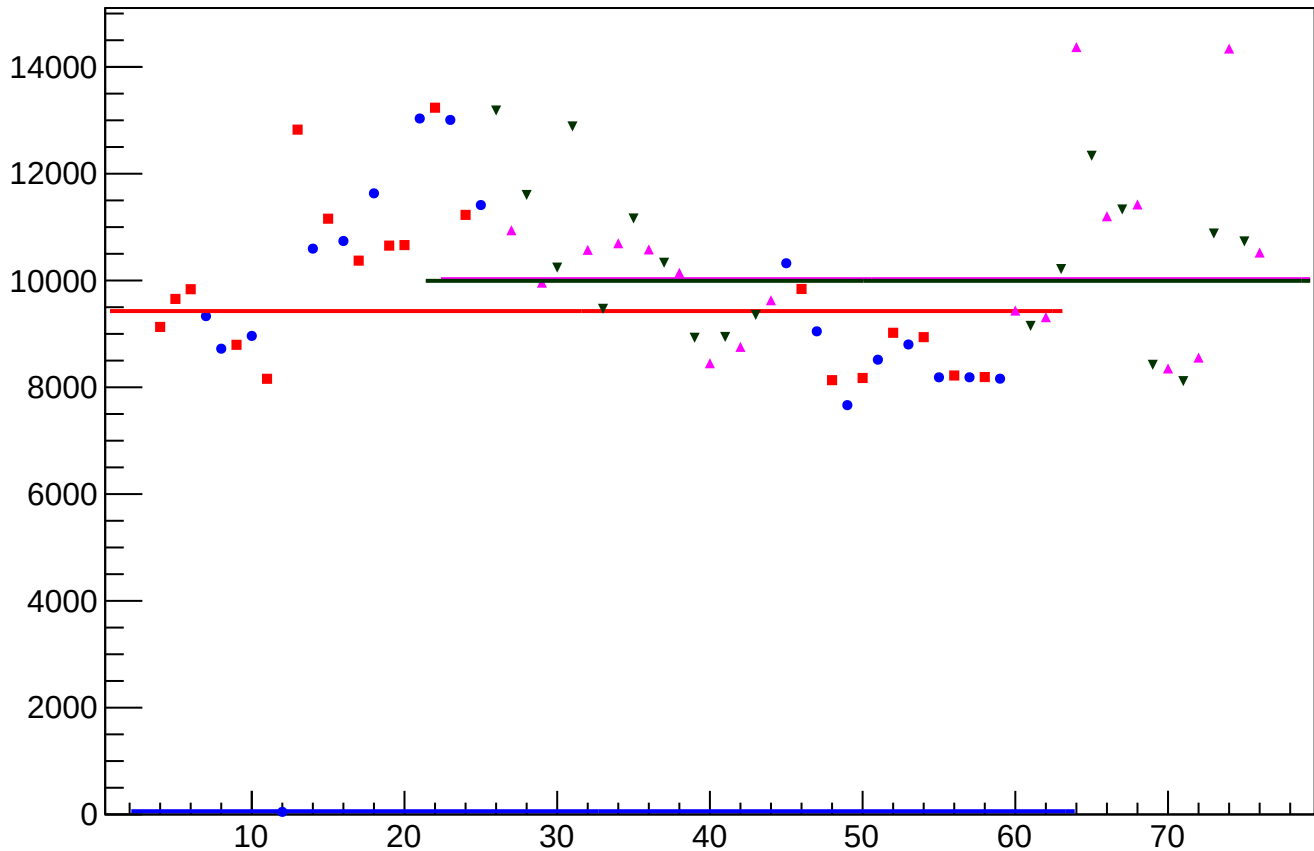
Right Out: -7.679 ± 3.015 χ^2/NDF : 30.2/18

Left In: 4.736 ± 3.171 χ^2/NDF : 22.4/17

-0.173 ± 0.106 χ^2/NDF : 26.9/35

-1.783 ± 2.185 χ^2/NDF : 60.7/36

diff_bpm4ecX_rms vs slug



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

Left Out: 9993.894 $\pm$ 2.330 χ^2 /NDF:339114.6/17

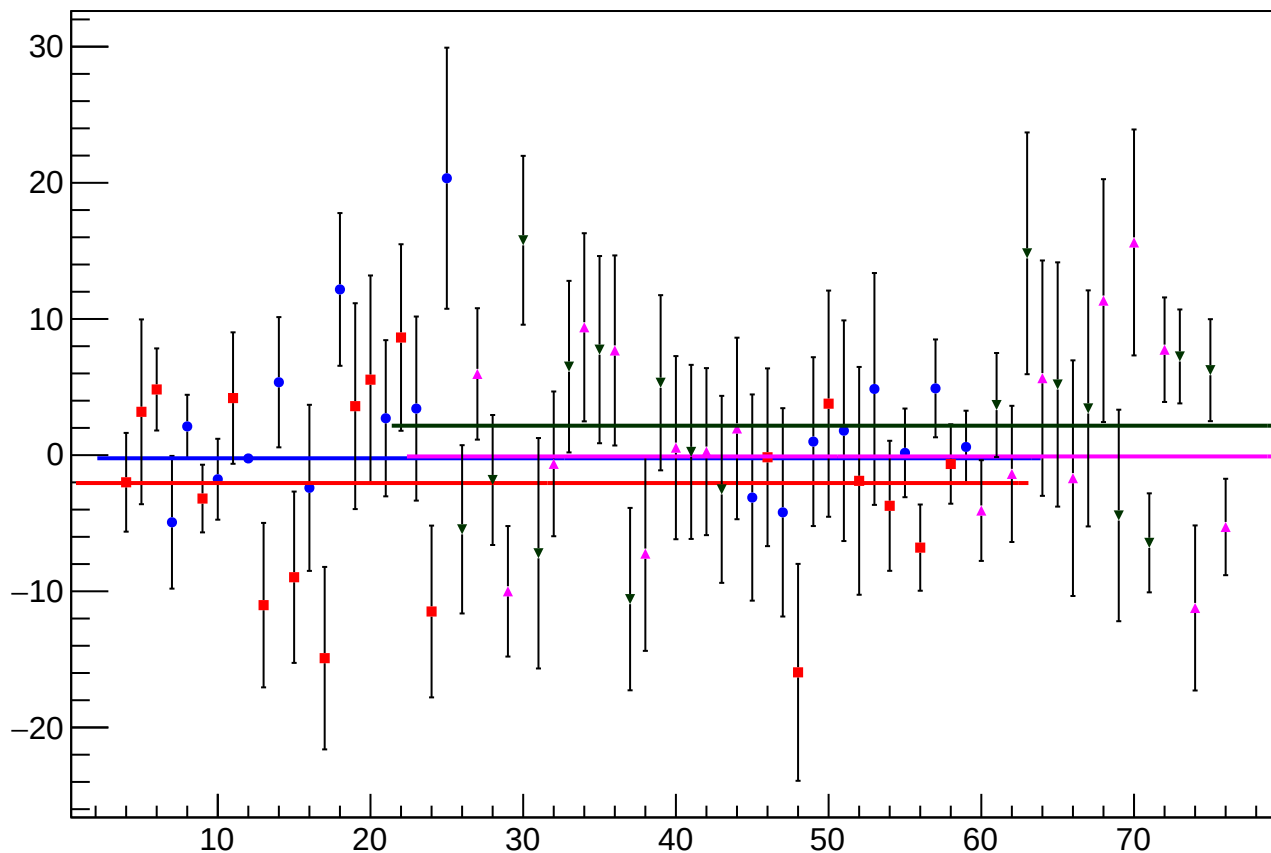
Right Out: 9427.549 $\pm$ 2.132 χ^2 /NDF: 447350.4/18

Left In: 10025.865 $\pm$ 2.242 χ^2 /NDF:372346.8/17

71.099 $\pm$ 0.075 χ^2 /NDF: 39616142.0/35

9711.716 $\pm$ 1.545 χ^2 /NDF: 857093.1/36

diff_bpm4ecY_mean vs slug



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

Left Out: 2.163 ± 1.288 $\chi^2/\text{NDF}: 25.8/17$

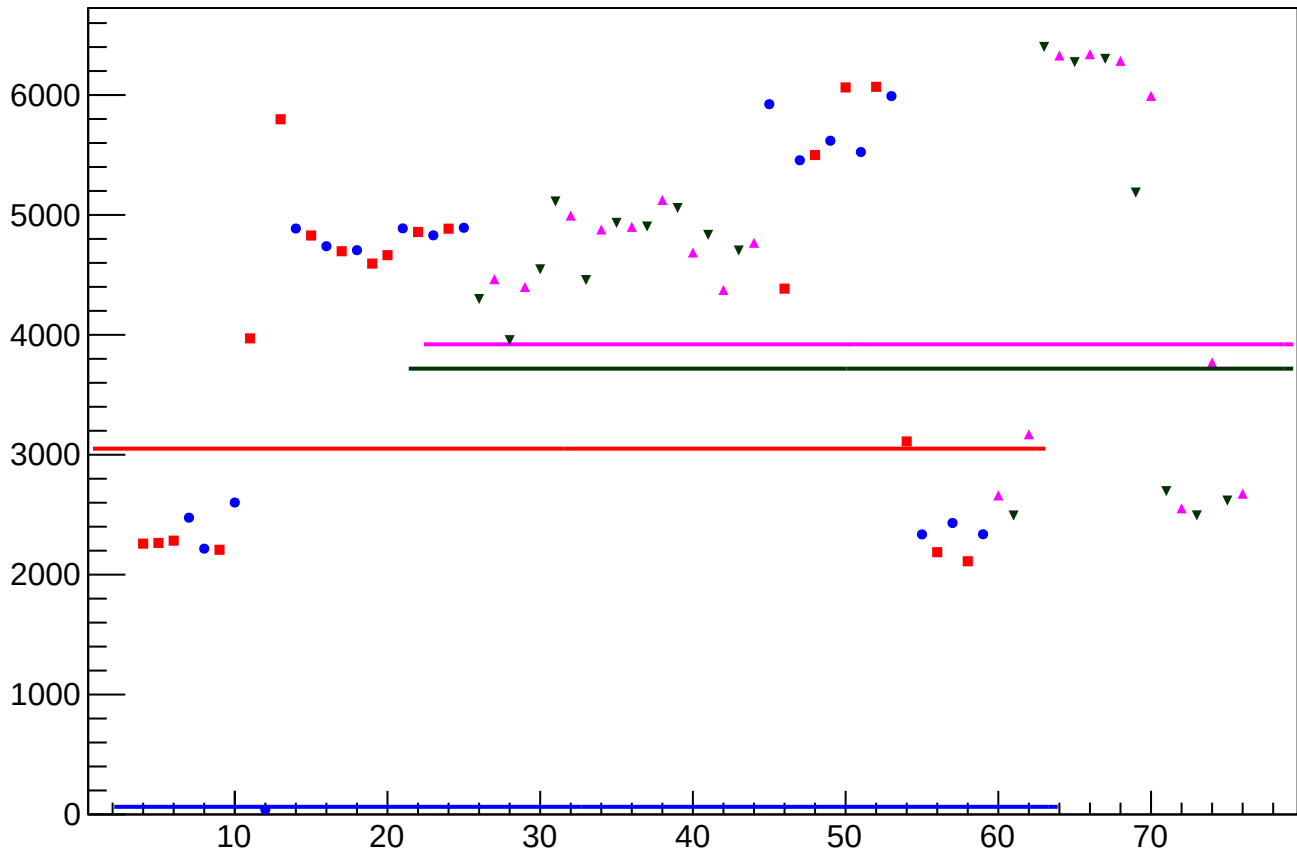
Right Out: -2.049 ± 1.055 $\chi^2/\text{NDF}: 27.2/18$

Left In: -0.096 ± 1.295 $\chi^2/\text{NDF}: 26.7/17$

-0.218 ± 0.090 $\chi^2/\text{NDF}: 46.0/35$

-1.270 ± 0.818 $\chi^2/\text{NDF}: 55.3/36$

diff_bpm4ecY_rms vs slug



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

Left Out: 3718.028 $\pm$ 0.911 χ^2 /NDF:1836122.6/17

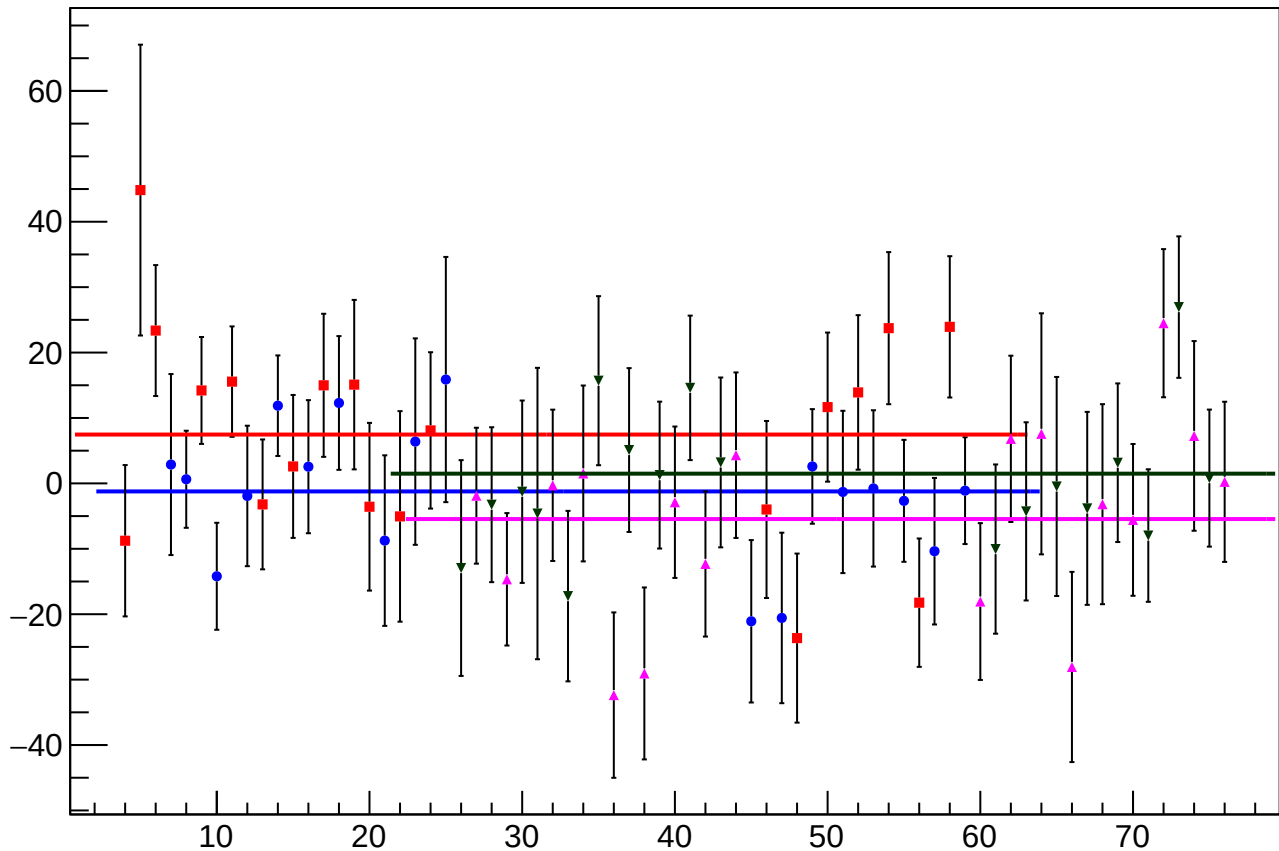
Right Out: 3050.872 $\pm$ 0.746 χ^2 /NDF: 2882138.2/18

Left In: 3920.825 $\pm$ 0.916 χ^2 /NDF:1687583.7/17

81.400 $\pm$ 0.063 χ^2 /NDF: 38131368.5/35

3397.952 $\pm$ 0.579 χ^2 /NDF: 5111856.8/36

diff_bpm1X_mean vs slug



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

Left Out: 1.486 ± 2.988 $\chi^2/\text{NDF}: 13.4/17$

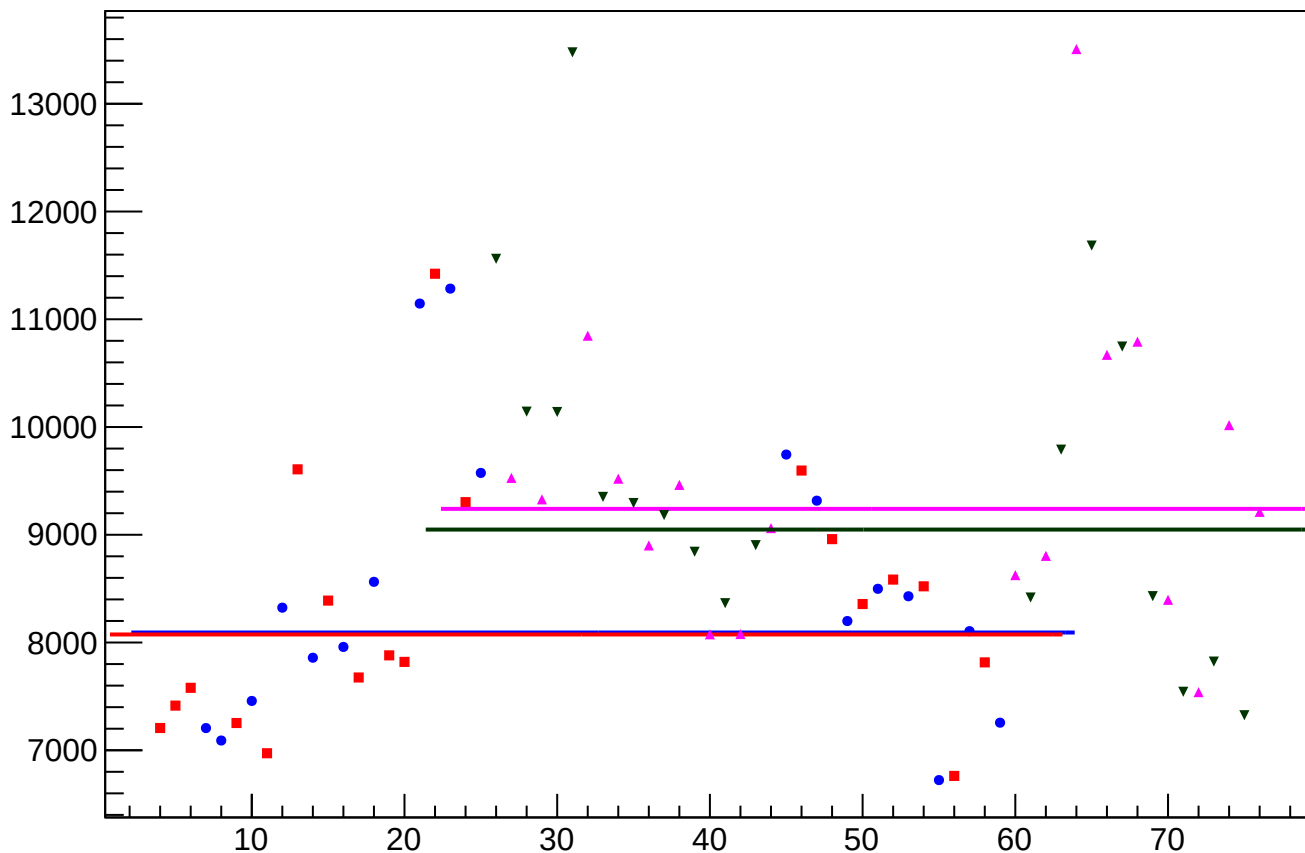
Right Out: 7.465 ± 2.574 $\chi^2/\text{NDF}: 30.5/18$

Left In: -5.452 ± 2.915 $\chi^2/\text{NDF}: 23.1/17$

-0.148 ± 1.885 $\chi^2/\text{NDF}: 28.4/35$

1.807 ± 1.929 $\chi^2/\text{NDF}: 64.7/36$

diff_bpm1X_rms vs slug



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

Left Out: 9048.310 $\pm$ 2.113 χ^2 /NDF: 381340.4/17

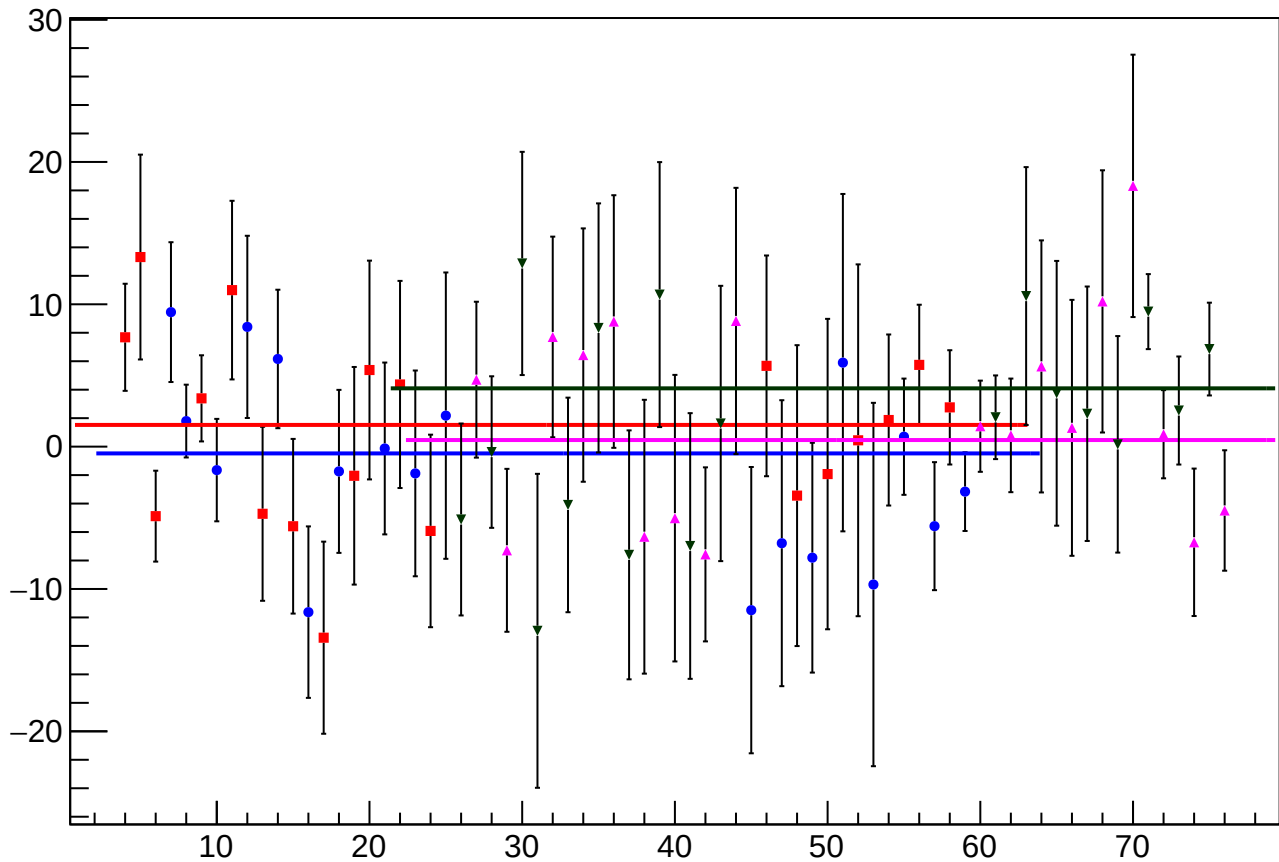
Right Out: 8074.654 $\pm$ 1.820 χ^2 /NDF: 312658.9/18

Left In: 9240.381 $\pm$ 2.061 χ^2 /NDF: 301990.3/17

8473.322 $\pm$ 1.333 χ^2 /NDF: 893776.0/35

8585.262 $\pm$ 1.364 χ^2 /NDF: 794351.7/36

diff_bpm1Y_mean vs slug



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

Left Out: 4.095 ± 1.254 χ^2/NDF : 17.8/17

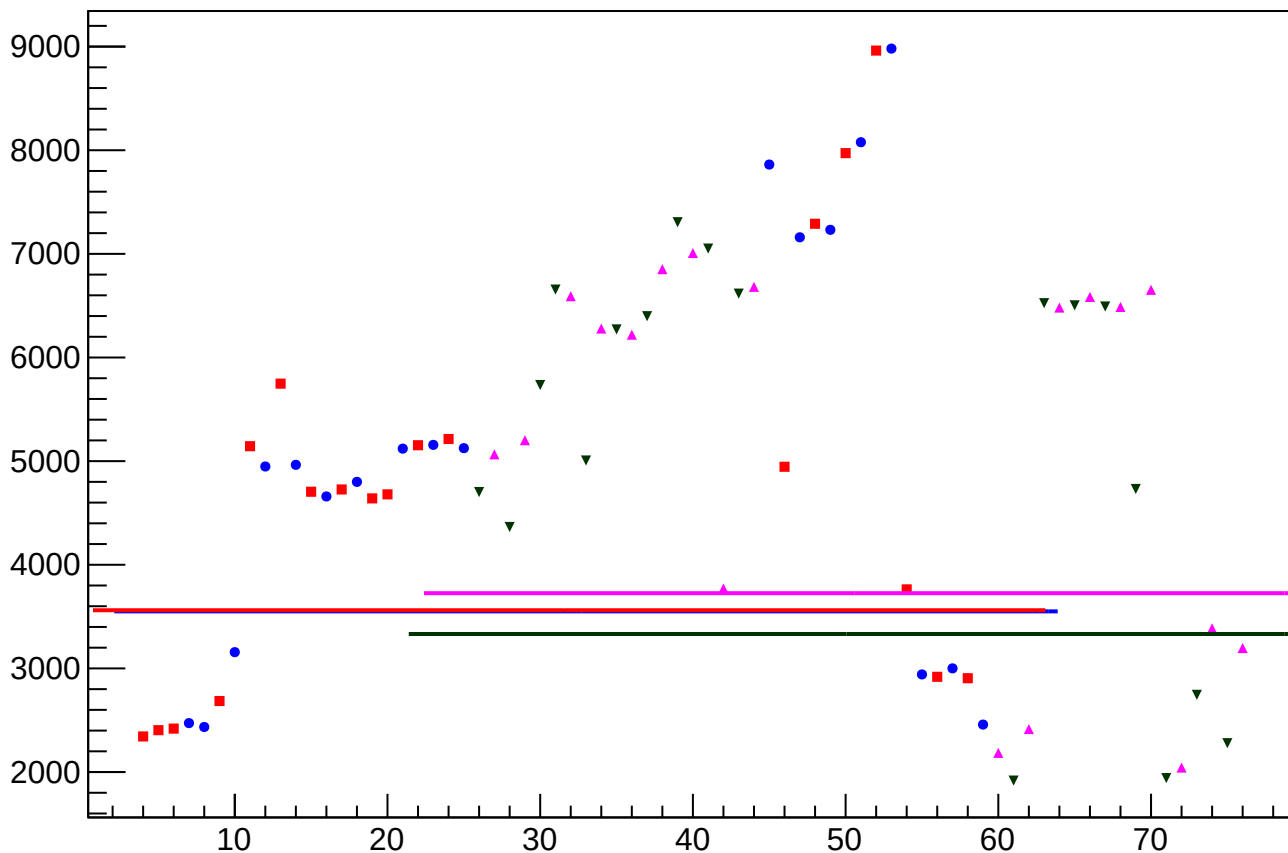
Right Out: 1.525 ± 1.232 χ^2/NDF : 22.9/18

Left In: 0.463 ± 1.319 χ^2/NDF : 16.8/17

1.634 ± 0.852 χ^2/NDF : 42.8/35

1.031 ± 0.900 χ^2/NDF : 40.0/36

diff_bpm1Y_rms vs slug



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

Left Out: 3332.129+/-0.887 χ^2/NDF : 4085451.2/17

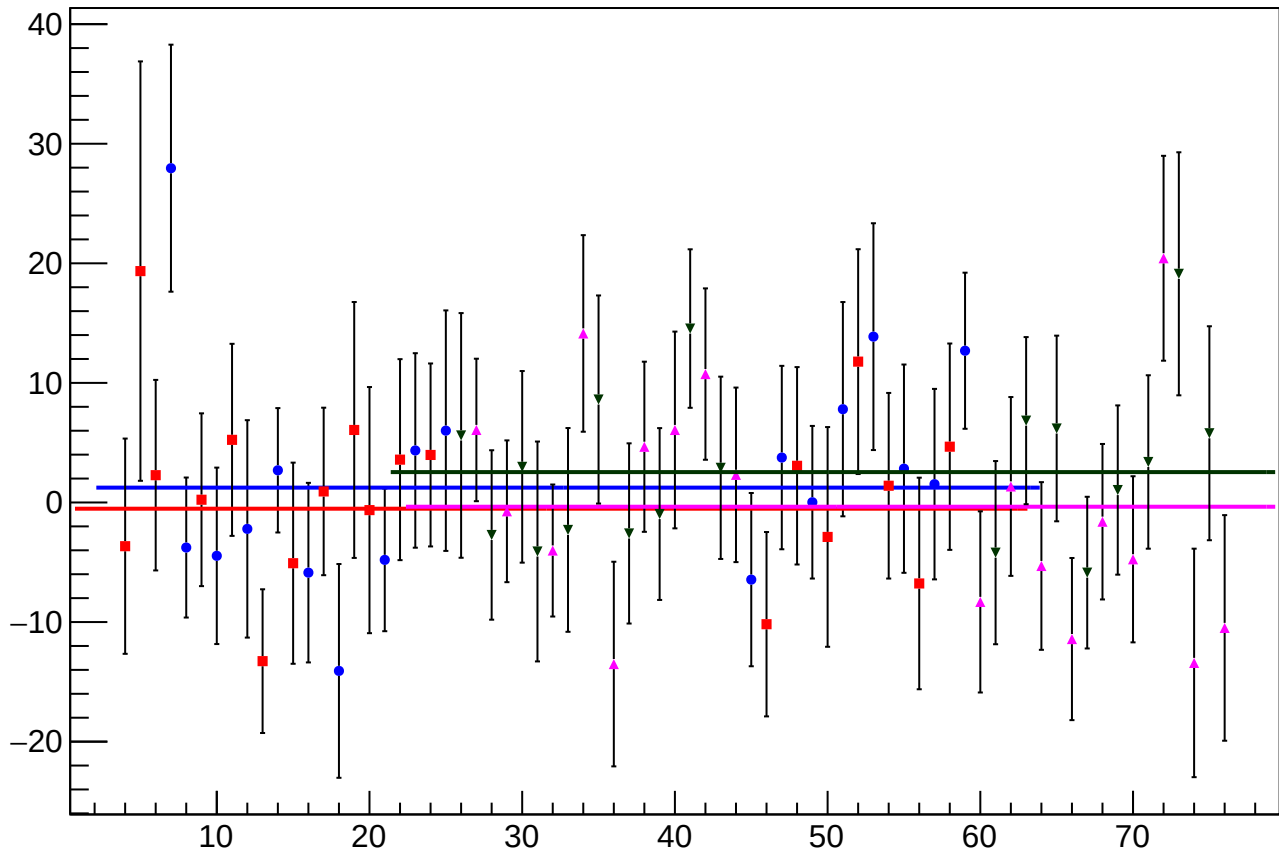
Right Out: 3561.233+/-0.871 χ^2/NDF : 2618224.4/18

Left In: 3725.887+/-0.933 χ^2/NDF : 3616573.1/17

3449.639+/-0.602 χ^2/NDF : 7412070.9/35

3637.920+/-0.637 χ^2/NDF : 6251441.0/36

diff_bpm11X_mean vs slug



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

Left Out: 2.540 ± 1.823 $\chi^2/\text{NDF}: 11.9/17$

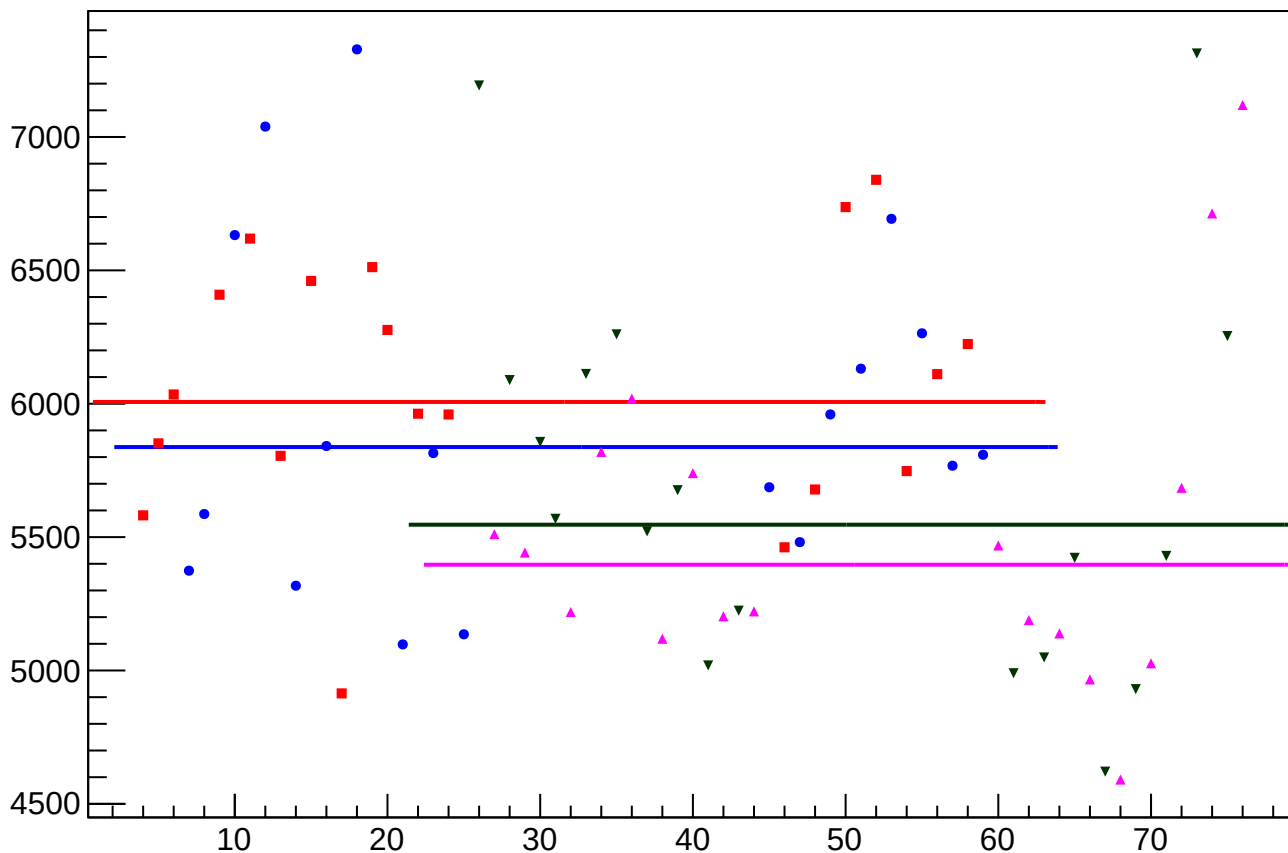
Right Out: -0.521 ± 1.907 $\chi^2/\text{NDF}: 12.3/18$

Left In: -0.356 ± 1.694 $\chi^2/\text{NDF}: 24.4/17$

1.865 ± 1.263 $\chi^2/\text{NDF}: 32.4/35$

-0.429 ± 1.267 $\chi^2/\text{NDF}: 36.7/36$

diff_bpm11X_rms vs slug



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

Left Out: 5546.538 $\pm$ 1.289 χ^2 /NDF:258159.1/17

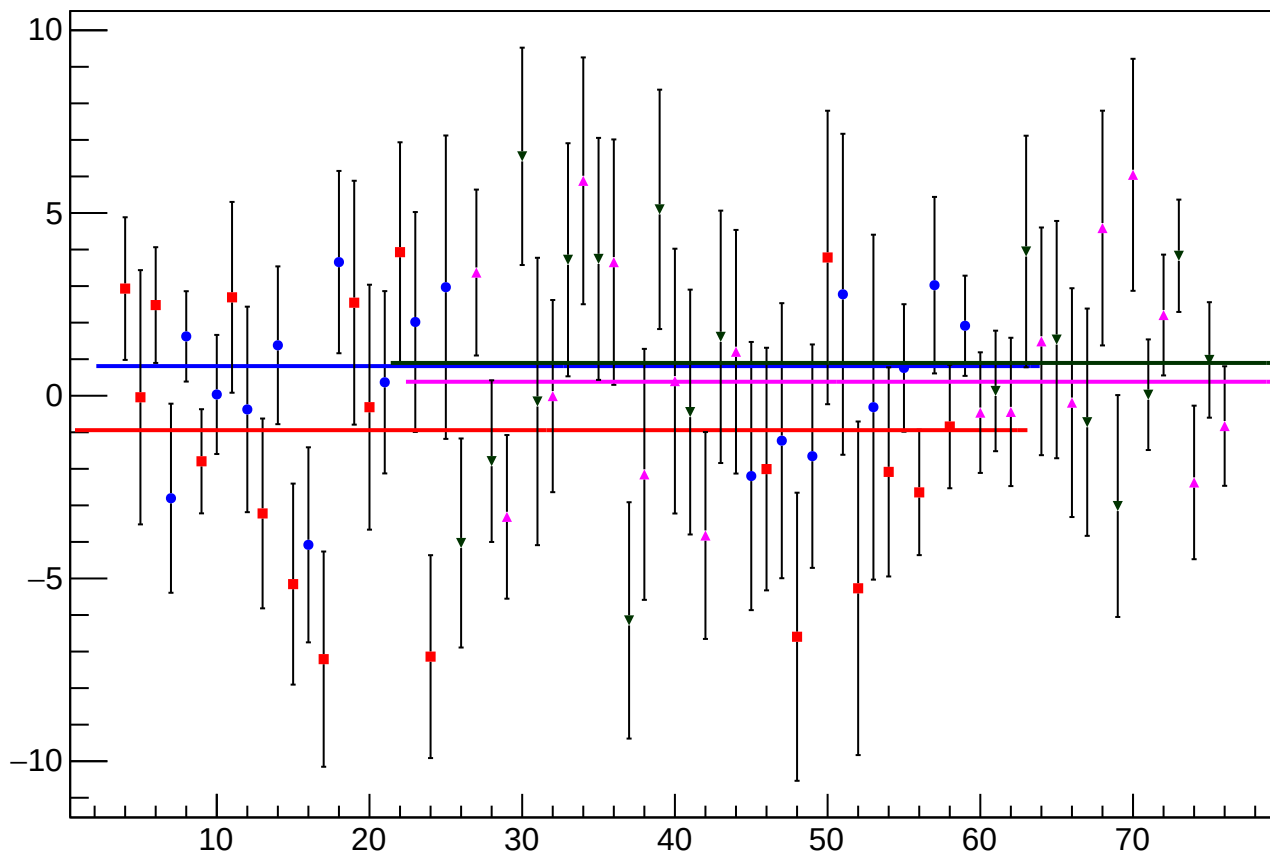
Right Out: 6006.736 $\pm$ 1.348 χ^2 /NDF: 130455.1/18

Left In: 5396.508 $\pm$ 1.198 χ^2 /NDF:183787.1/17

5697.865 $\pm$ 0.893 χ^2 /NDF: 495981.8/35

5665.808 $\pm$ 0.896 χ^2 /NDF: 428716.6/36

diff_bpm11Y_mean vs slug



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

Left Out: 0.897 ± 0.569 χ^2/NDF : 23.3/17

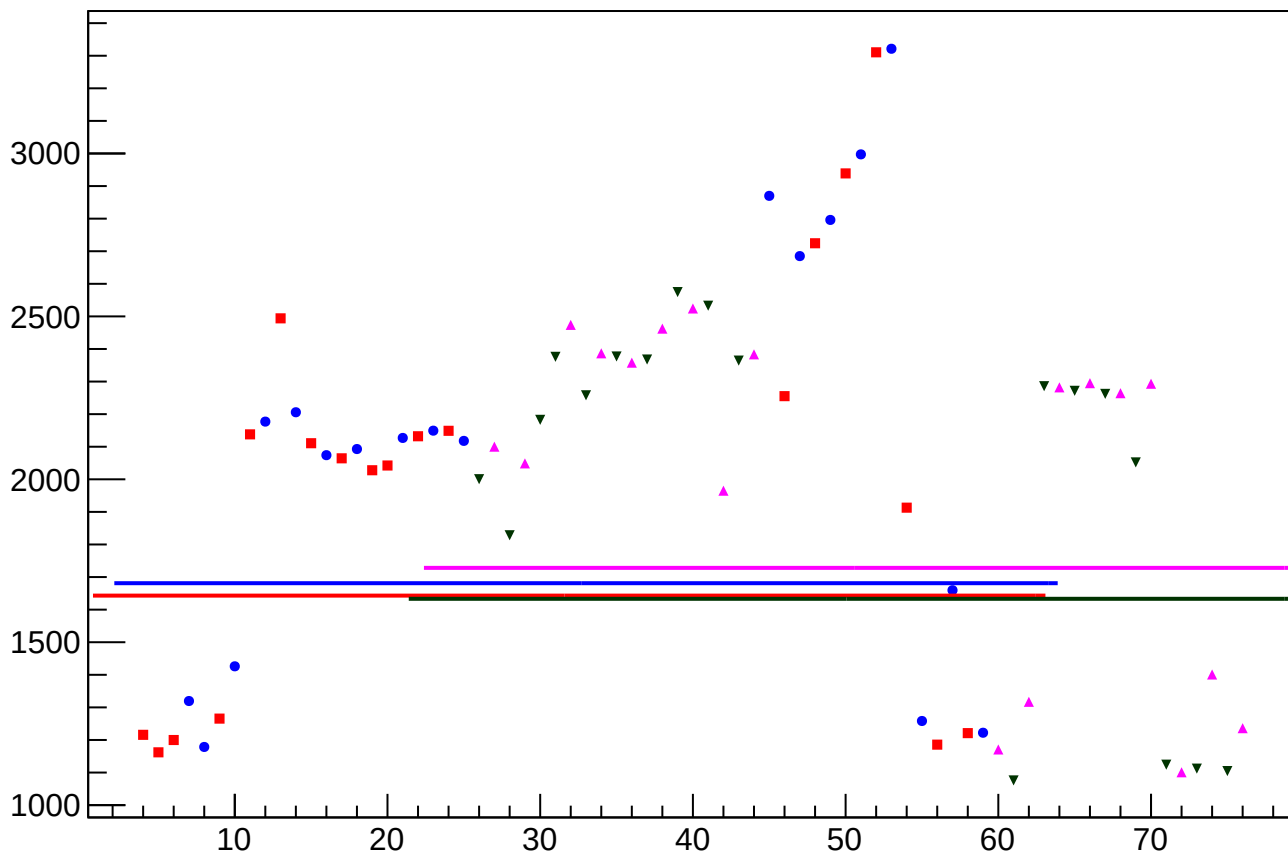
Right Out: -0.942 ± 0.553 χ^2/NDF : 32.9/18

Left In: 0.382 ± 0.571 χ^2/NDF : 19.9/17

0.851 ± 0.389 χ^2/NDF : 34.7/35

-0.302 ± 0.397 χ^2/NDF : 55.6/36

diff_bpm11Y_rms vs slug



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

Left Out: 1633.264 $\pm$ 0.402 χ^2 /NDF: 2058887.1/17

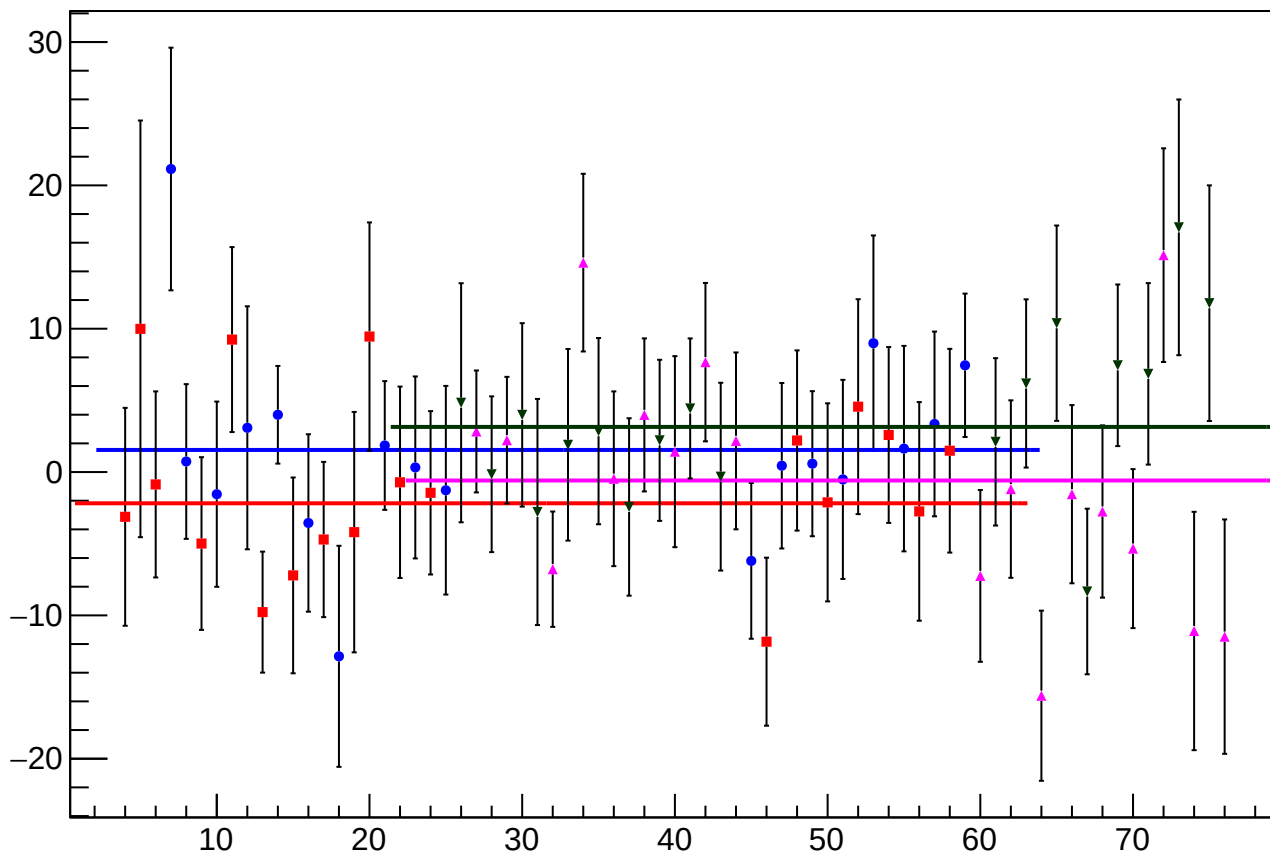
Right Out: 1643.071 $\pm$ 0.391 χ^2 /NDF: 1969332.5/18

Left In: 1728.216 $\pm$ 0.404 χ^2 /NDF: 1757316.2/17

1658.814 $\pm$ 0.275 χ^2 /NDF: 4279365.9/35

1684.255 $\pm$ 0.281 χ^2 /NDF: 3749619.1/36

diff_bpm12X_mean vs slug



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

Left Out: 3.148 ± 1.488 $\chi^2/\text{NDF}: 12.1/17$

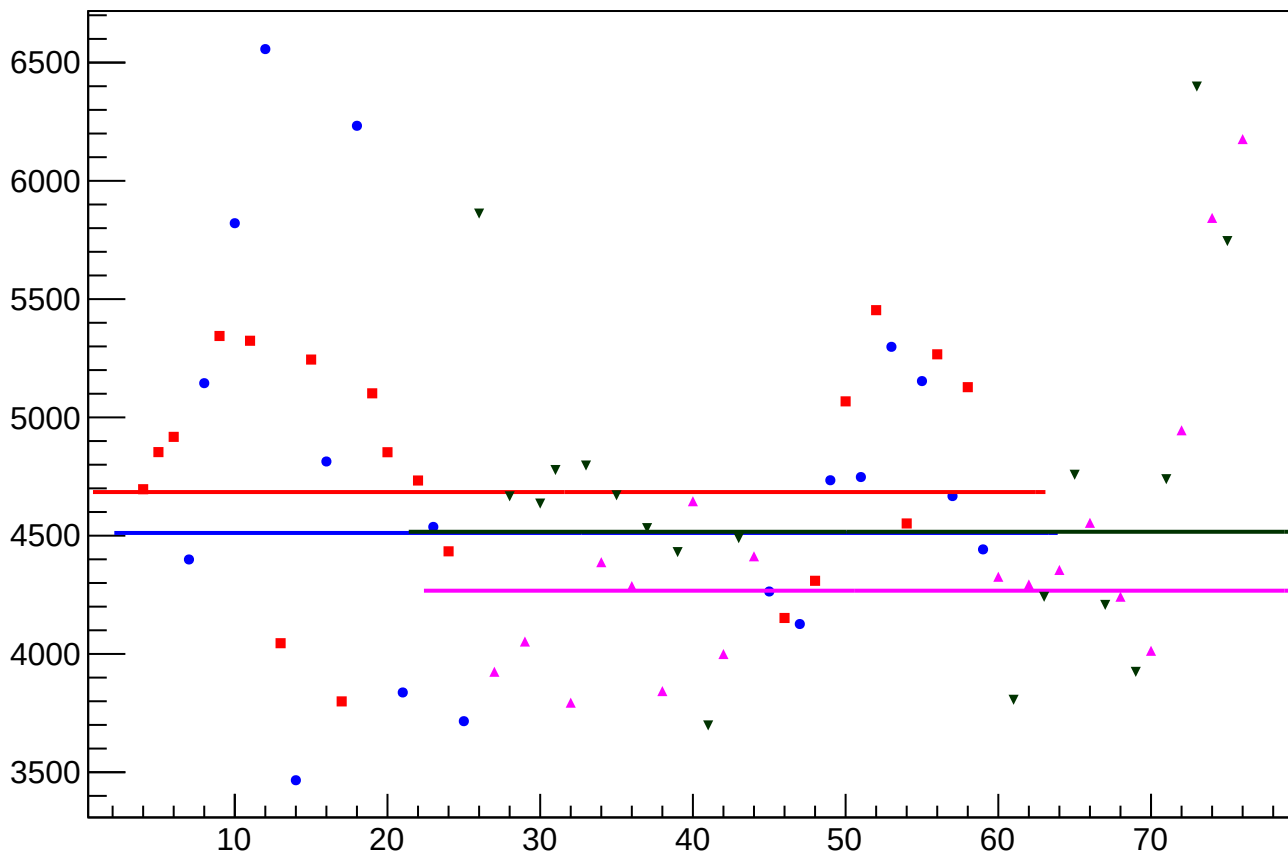
Right Out: -2.180 ± 1.492 $\chi^2/\text{NDF}: 15.2/18$

Left In: -0.589 ± 1.344 $\chi^2/\text{NDF}: 29.0/17$

2.278 ± 1.008 $\chi^2/\text{NDF}: 27.9/35$

-1.301 ± 0.999 $\chi^2/\text{NDF}: 44.9/36$

diff_bpm12X_rms vs slug



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

Left Out: 4516.498 $\pm$ 1.052 χ^2 /NDF:318253.7/17

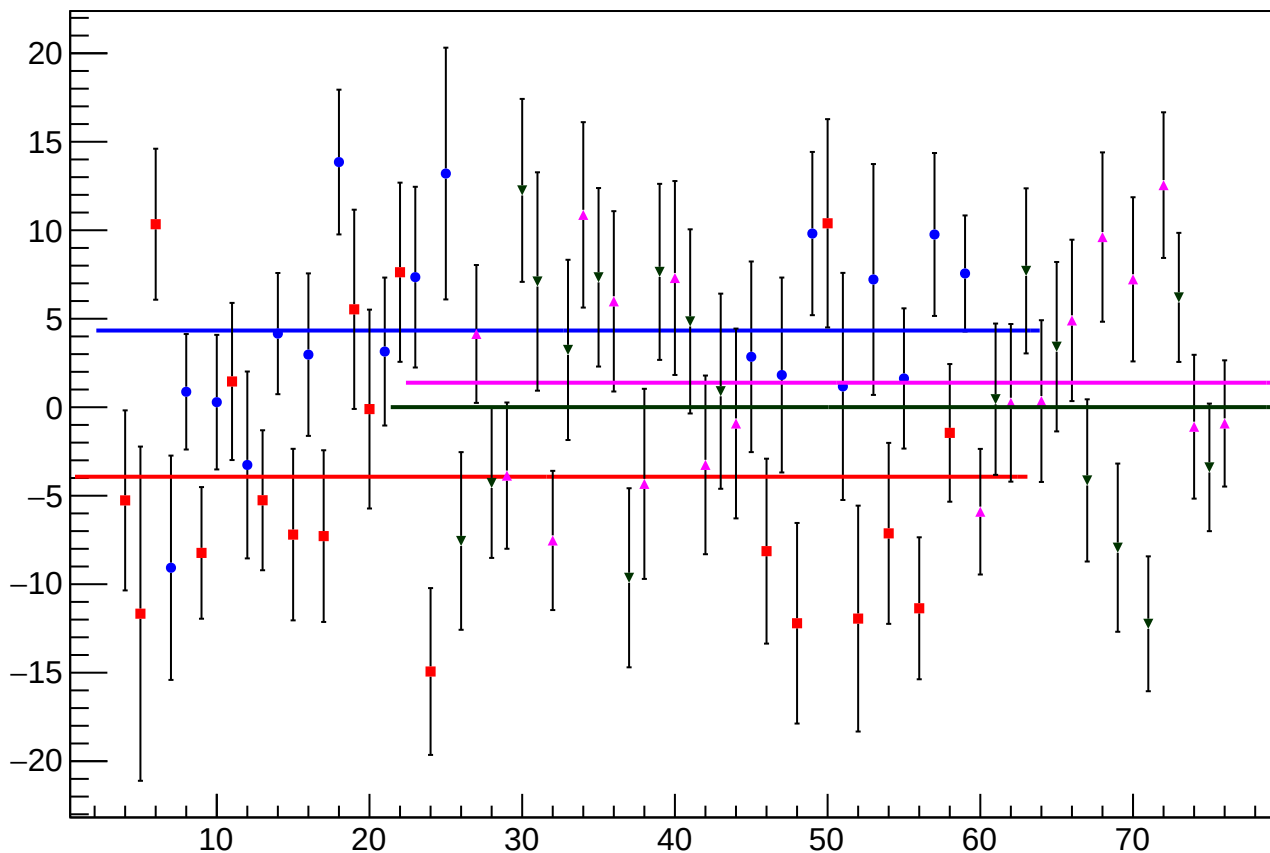
Right Out: 4684.391 $\pm$ 1.055 χ^2 /NDF: 240230.9/18

Left In: 4267.419 $\pm$ 0.950 χ^2 /NDF:277690.0/17

4513.788 $\pm$ 0.713 χ^2 /NDF: 965265.0/35

4454.142 $\pm$ 0.706 χ^2 /NDF: 604126.1/36

diff_bpm12Y_mean vs slug



Right In: 4.334 $\pm$ 1.055 χ^2 /NDF: 21.3/17

Left Out: 0.005 $\pm$ 1.089 χ^2 /NDF: 40.6/17

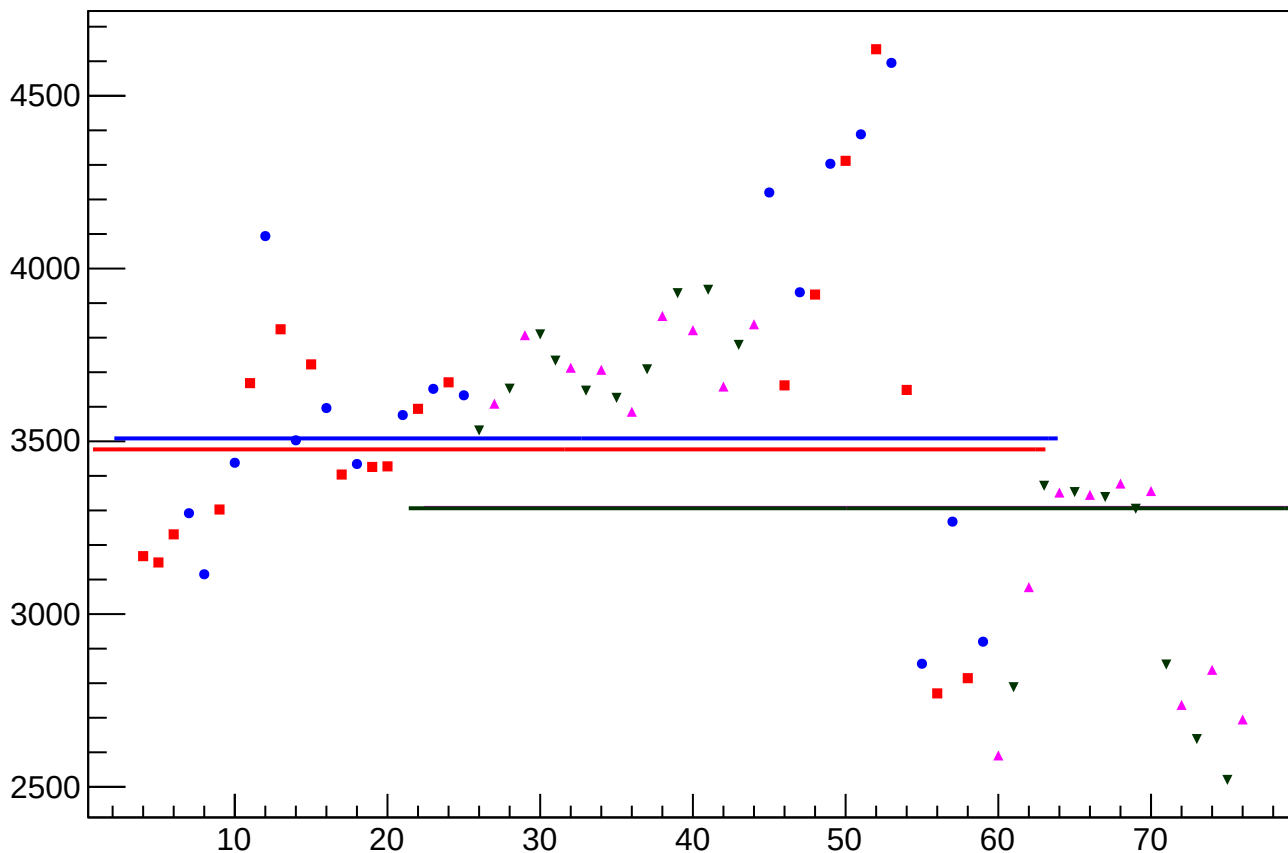
Right Out: -3.927 $\pm$ 1.110 χ^2 /NDF: 44.2/18

Left In: 1.385 $\pm$ 1.042 χ^2 /NDF: 32.3/17

2.237 $\pm$ 0.758 χ^2 /NDF: 70.0/35

-1.105 $\pm$ 0.760 χ^2 /NDF: 88.7/36

diff_bpm12Y_rms vs slug



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

Left Out: 3306.318+/-0.770 χ^2/NDF : 371603.9/17

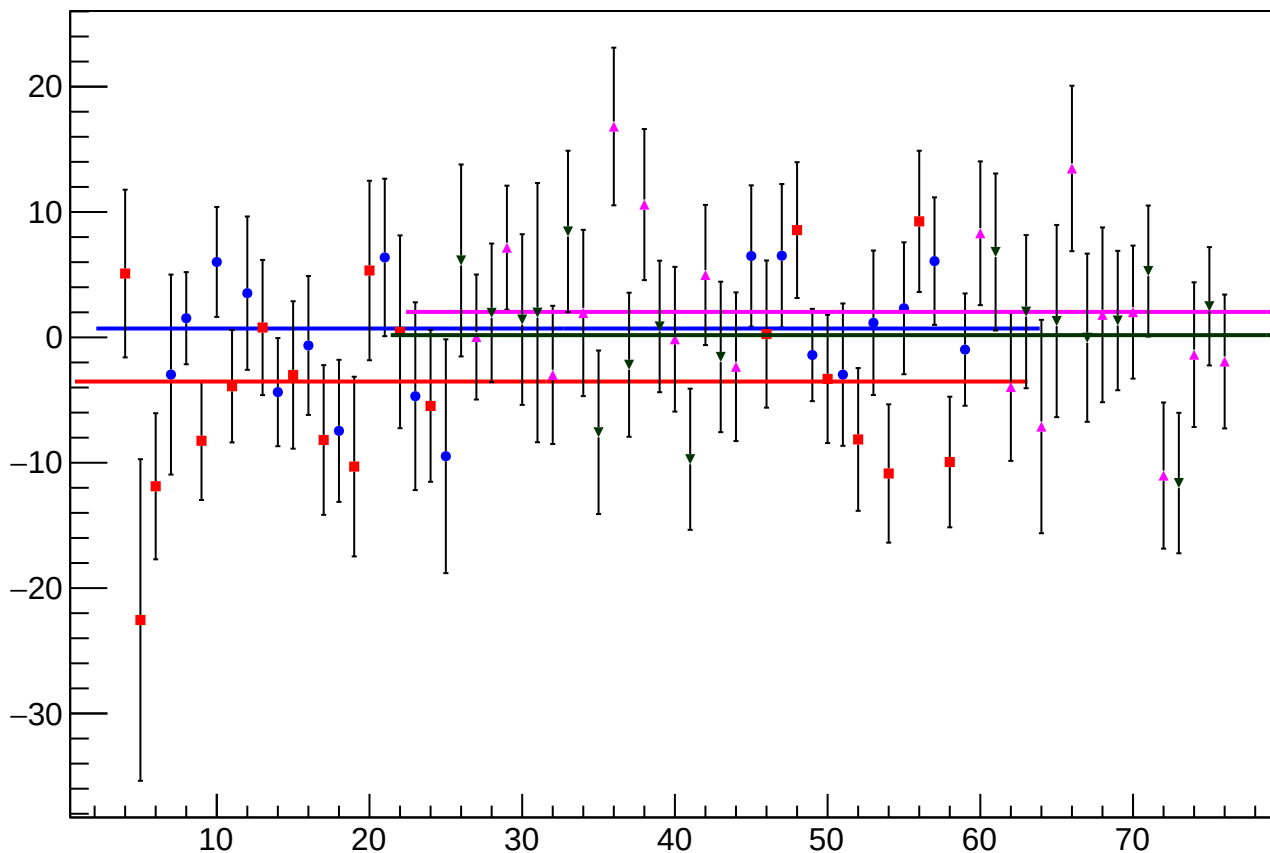
Right Out: 3476.662+/-0.785 χ^2/NDF : 293750.8/18

Left In: 3307.379+/-0.737 χ^2/NDF : 360206.4/17

3410.540+/-0.536 χ^2/NDF : 791285.4/35

3386.720+/-0.537 χ^2/NDF : 678678.2/36

diff_bpm16X_mean vs slug



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

Left Out: 0.179 ± 1.426 χ^2/NDF : 14.1/17

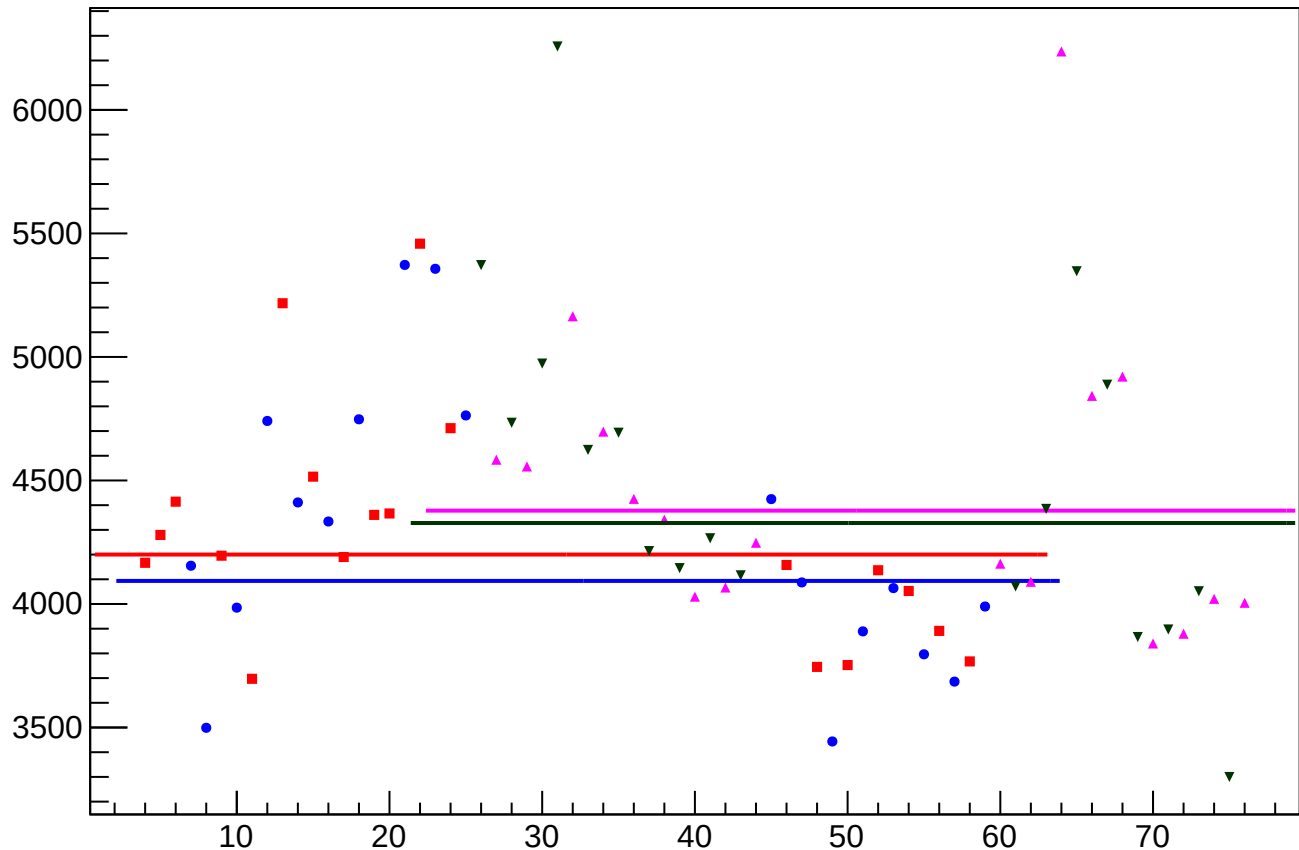
Right Out: -3.522 ± 1.336 χ^2/NDF : 25.4/18

Left In: 2.032 ± 1.378 χ^2/NDF : 22.9/17

0.483 ± 0.931 χ^2/NDF : 26.4/35

-0.831 ± 0.959 χ^2/NDF : 56.7/36

diff_bpm16X_rms vs slug



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

Left Out: 4327.766 $\pm$ 1.009 χ^2 /NDF: 331959.6/17

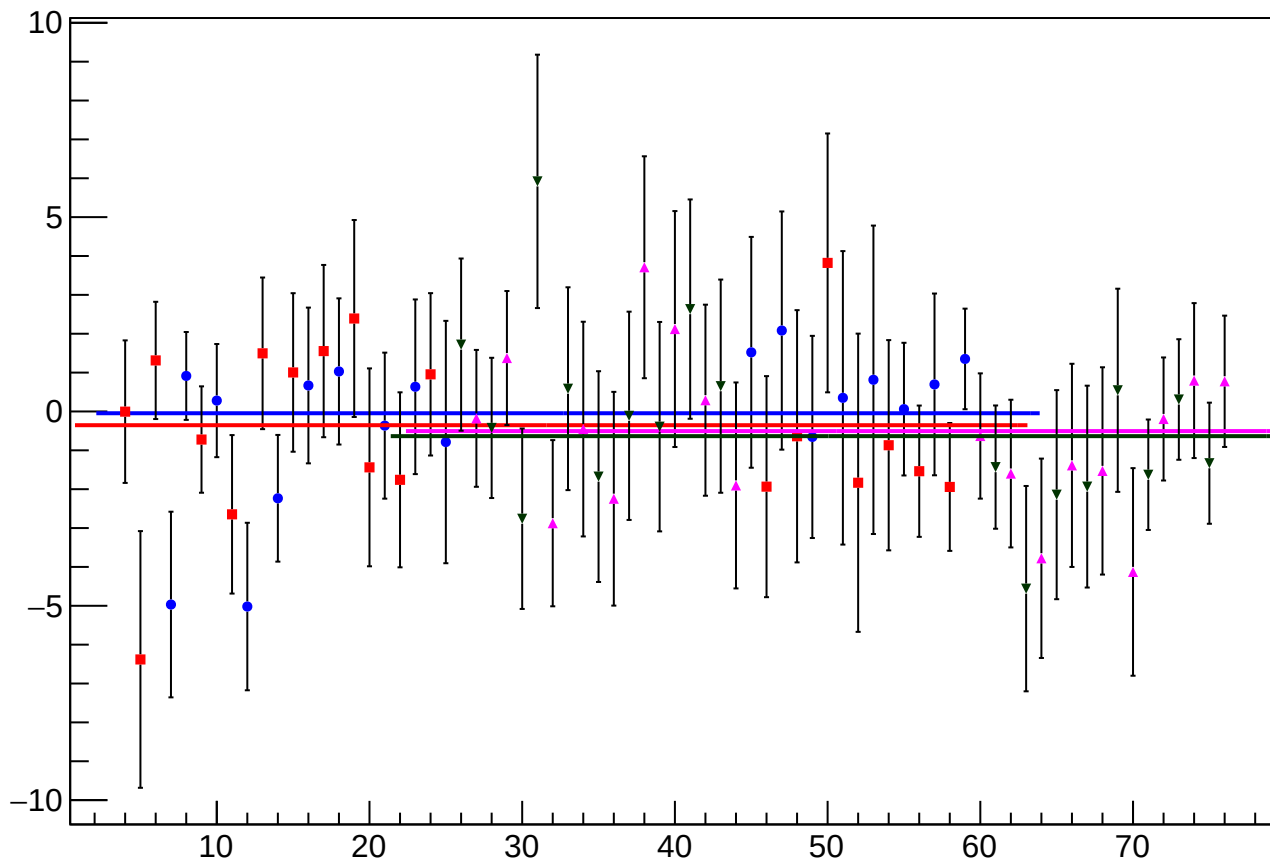
Right Out: 4200.125 $\pm$ 0.945 χ^2 /NDF: 225858.3/18

Left In: 4377.904 $\pm$ 0.974 χ^2 /NDF: 243672.7/17

4193.229 $\pm$ 0.658 χ^2 /NDF: 722654.6/35

4286.259 $\pm$ 0.678 χ^2 /NDF: 486690.5/36

diff_bpm16Y_mean vs slug



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

Left Out: -0.635 ± 0.506 $\chi^2/\text{NDF}: 12.3/17$

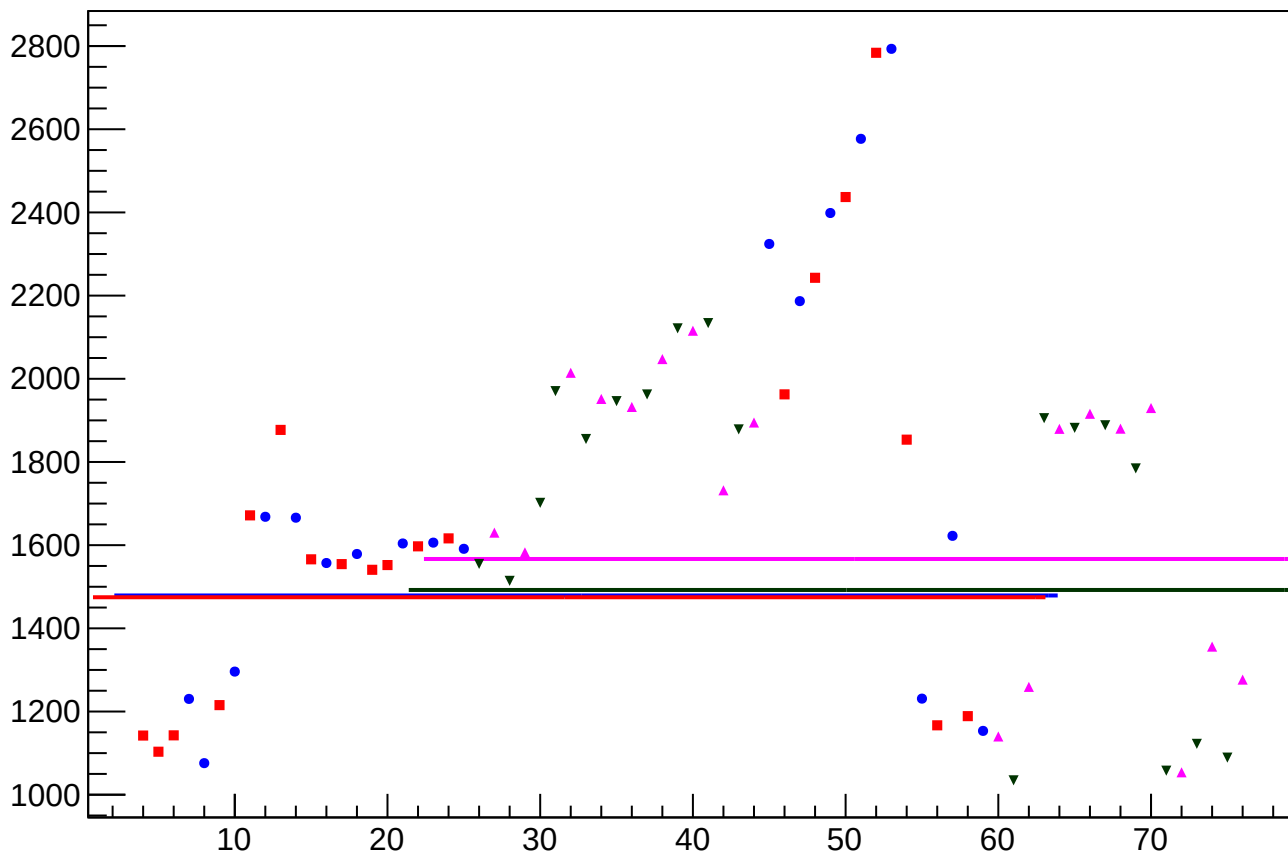
Right Out: -0.354 ± 0.483 $\chi^2/\text{NDF}: 13.6/18$

Left In: -0.505 ± 0.505 $\chi^2/\text{NDF}: 11.3/17$

-0.311 ± 0.340 $\chi^2/\text{NDF}: 27.9/35$

-0.426 ± 0.349 $\chi^2/\text{NDF}: 25.0/36$

diff_bpm16Y_rms vs slug



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

Left Out: 1492.271+/-0.358 χ^2/NDF :1233278.1/17

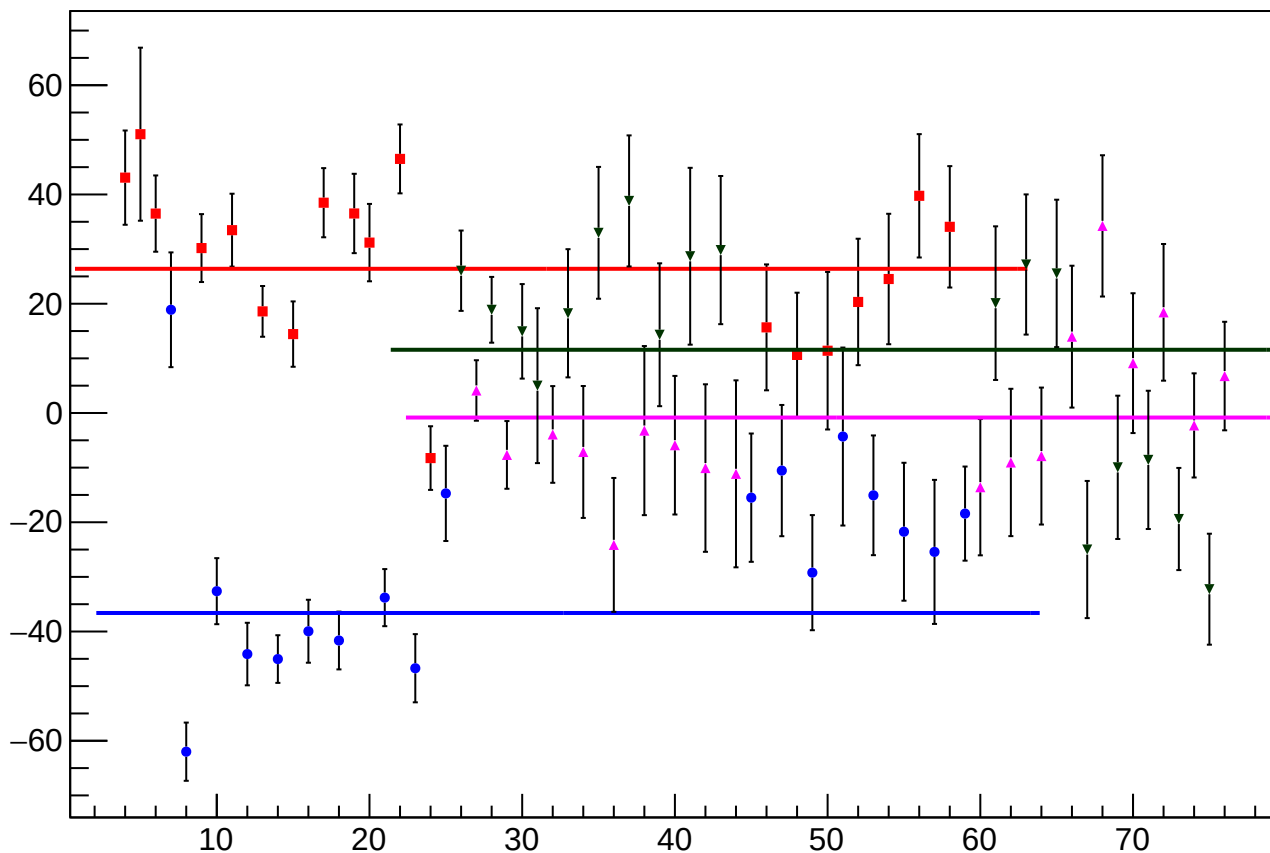
Right Out: 1474.750+/-0.342 χ^2/NDF : 1125200.2/18

Left In: 1566.762+/-0.357 χ^2/NDF :940220.6/17

1484.988+/-0.240 χ^2/NDF : 2693376.2/35

1518.752+/-0.247 χ^2/NDF : 2100075.3/36

diff_bpm0l01X_mean vs slug



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

Left Out: 11.573 ± 2.526 χ^2/NDF : 63.5/17

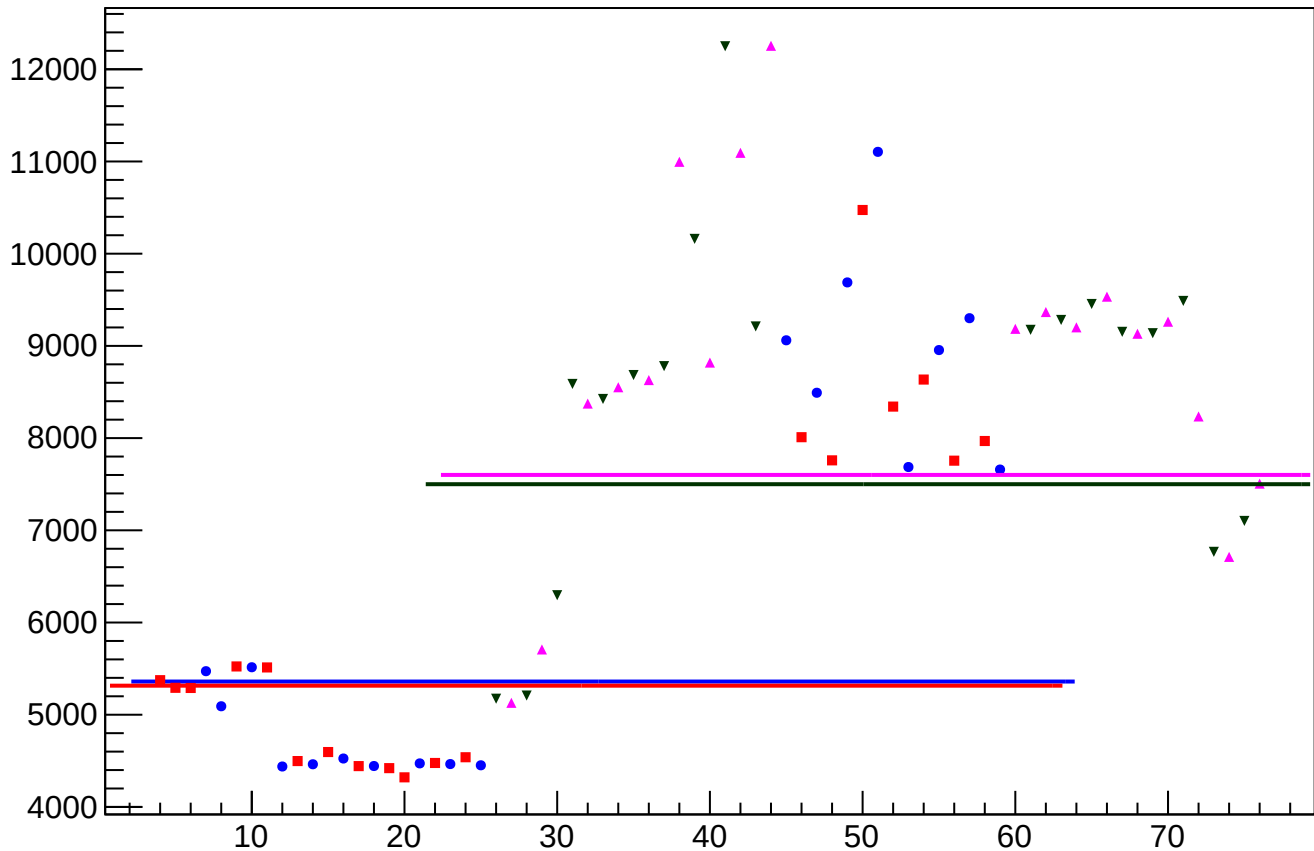
Right Out: 26.394 ± 1.742 χ^2/NDF : 74.2/18

Left In: -0.832 ± 2.448 χ^2/NDF : 20.9/17

-21.902 ± 1.395 χ^2/NDF : 406.2/35

17.242 ± 1.419 χ^2/NDF : 177.2/36

diff_bpm0l01X_rms vs slug



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

Left Out: 7500.037+/-1.786 χ^2/NDF :1121262.8/17

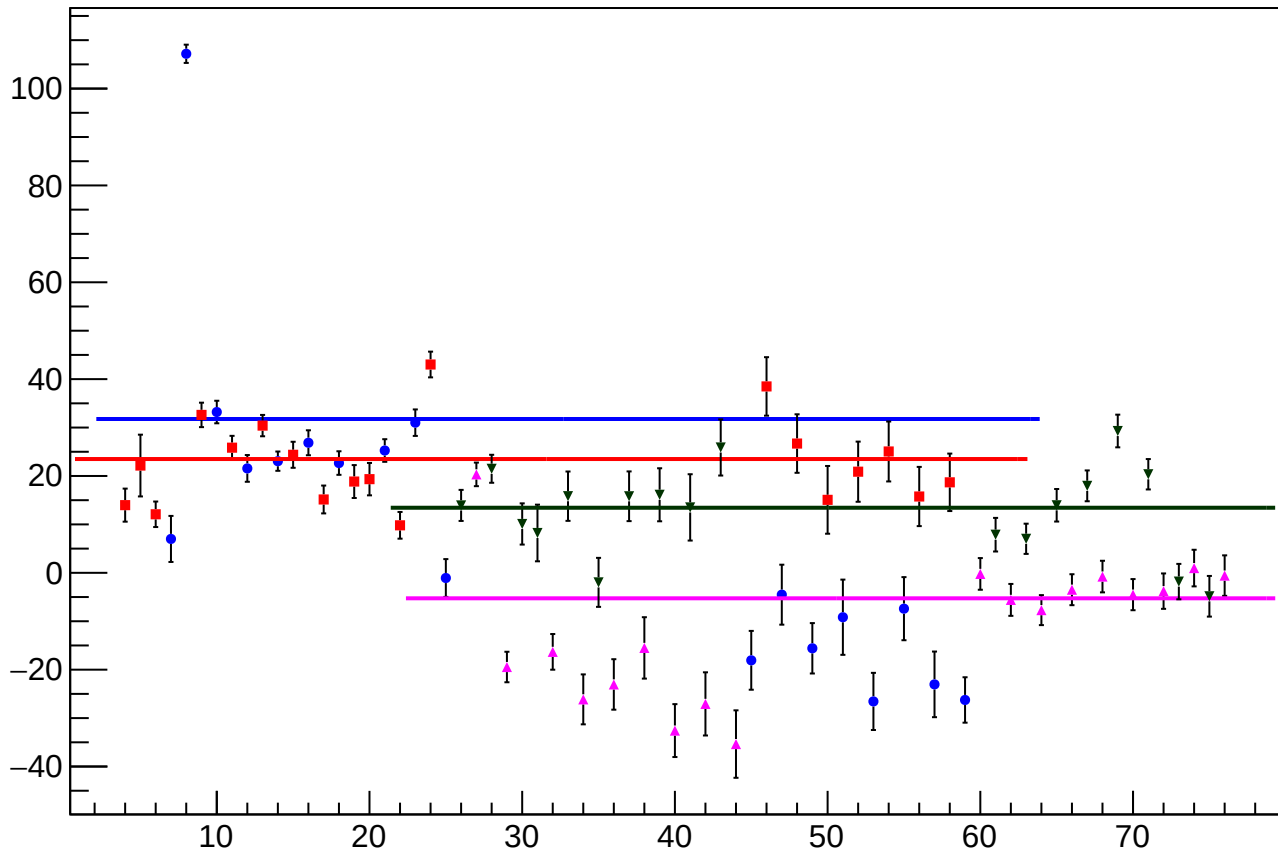
6013.148+/-0.987 χ^2/NDF : 3978865.0/35

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

6083.332+/-1.004 χ^2/NDF : 3608705.6/36

Left In: 7600.665+/-1.731 χ^2/NDF :1221428.0/17

diff_bpm0l01Y_mean vs slug



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

Left Out: 13.441+/-0.915 χ^2/NDF : 95.9/17

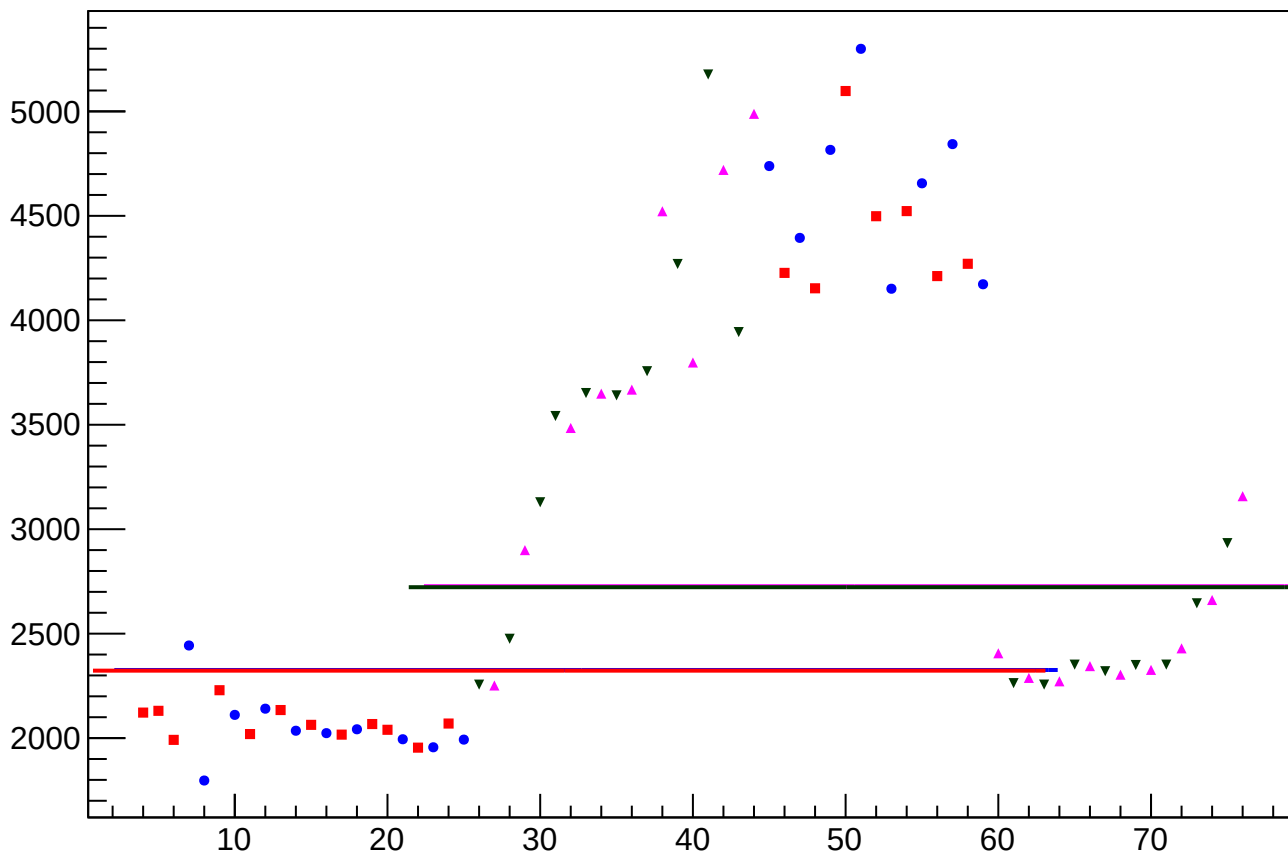
Right Out: 23.500+/-0.773 χ^2/NDF : 151.3/18

Left In: -5.264+/-0.877 χ^2/NDF : 234.6/17

24.507+/-0.576 χ^2/NDF : 2661.4/35

10.928+/-0.580 χ^2/NDF : 991.7/36

diff_bpm0l01Y_rms vs slug



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

Left Out: 2722.354+/-0.647 χ^2/NDF :1027352.9/17

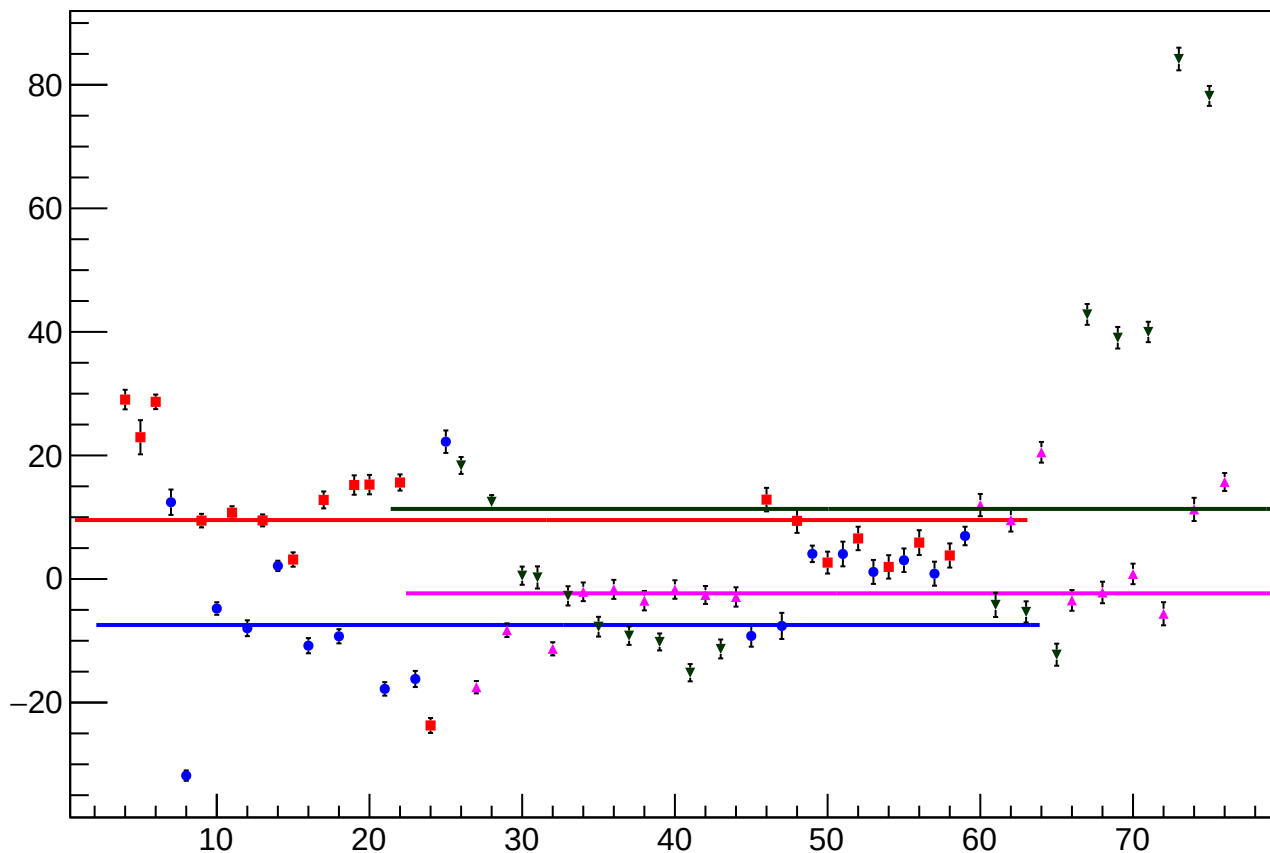
Right Out: 2322.918+/-0.546 χ^2/NDF : 1810759.5/18

Left In: 2727.329+/-0.620 χ^2/NDF :1156915.0/17

2483.061+/-0.407 χ^2/NDF : 3950590.1/35

2499.676+/-0.410 χ^2/NDF : 3207175.4/36

diff_bpm2i01X_mean vs slug



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

Left Out: 11.343 ± 0.365 χ^2/NDF : 5884.0/17

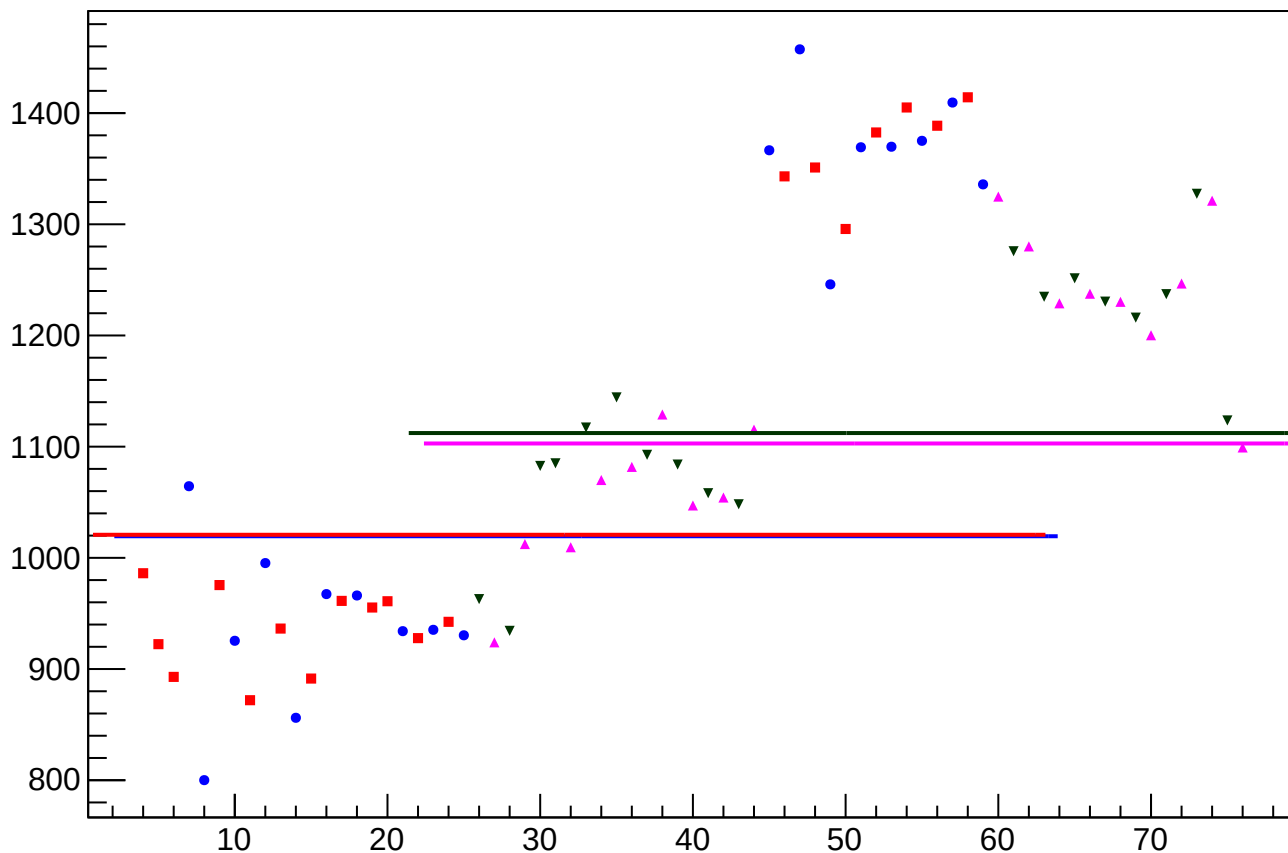
Right Out: 9.540 ± 0.328 χ^2/NDF : 1327.8/18

Left In: -2.321 ± 0.346 χ^2/NDF : 835.0/17

0.437 ± 0.236 χ^2/NDF : 9178.7/35

3.939 ± 0.238 χ^2/NDF : 2781.7/36

diff_bpm2i01X_rms vs slug



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

Left Out: 1112.245+/-0.258 χ^2/NDF : 179788.9/17

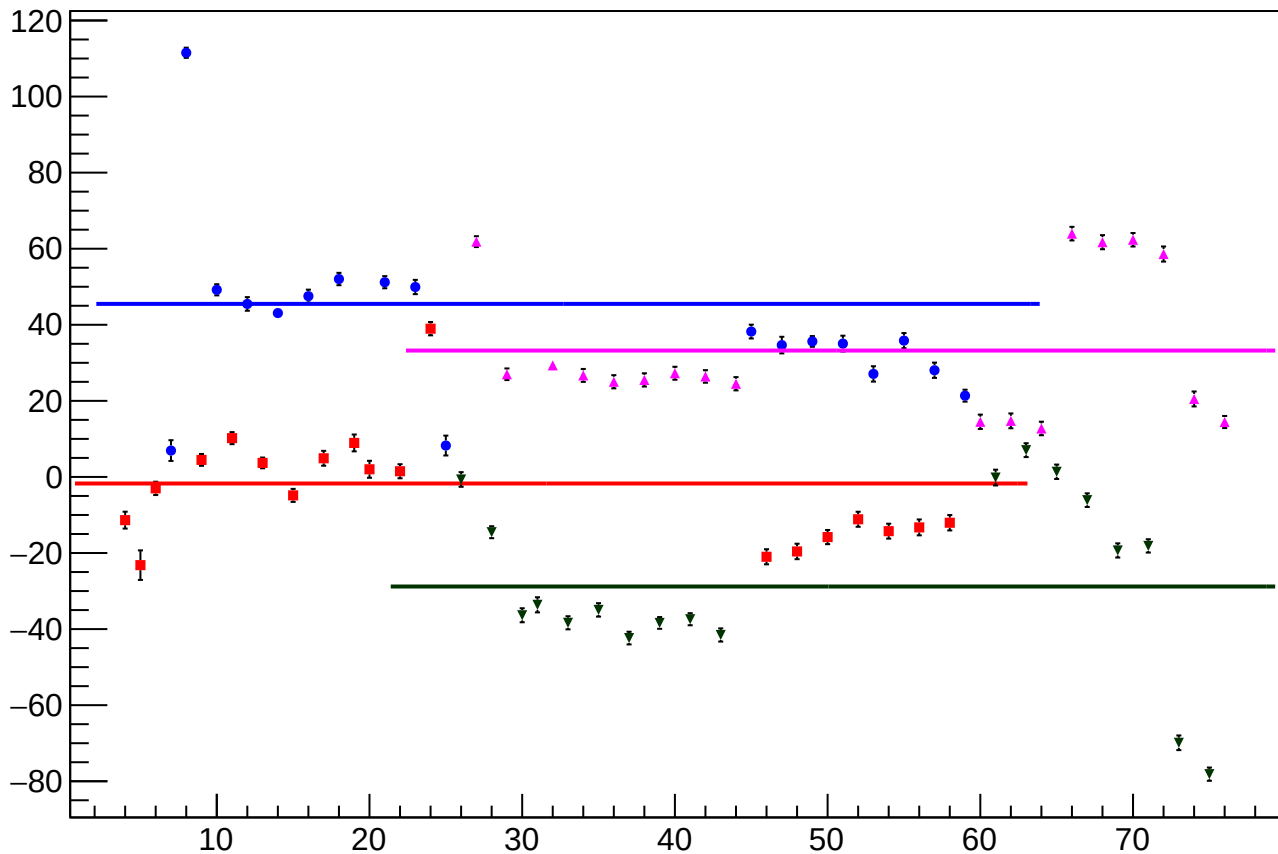
Right Out: 1020.749+/-0.232 χ^2/NDF : 605072.5/18

Left In: 1102.857+/-0.245 χ^2/NDF : 229070.3/17

1058.357+/-0.167 χ^2/NDF : 1107909.0/35

1059.520+/-0.168 χ^2/NDF : 893460.2/36

diff_bpm2i01Y_mean vs slug



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

Left Out: -28.804 $\pm$ 0.419 χ^2 /NDF:2855.4/17

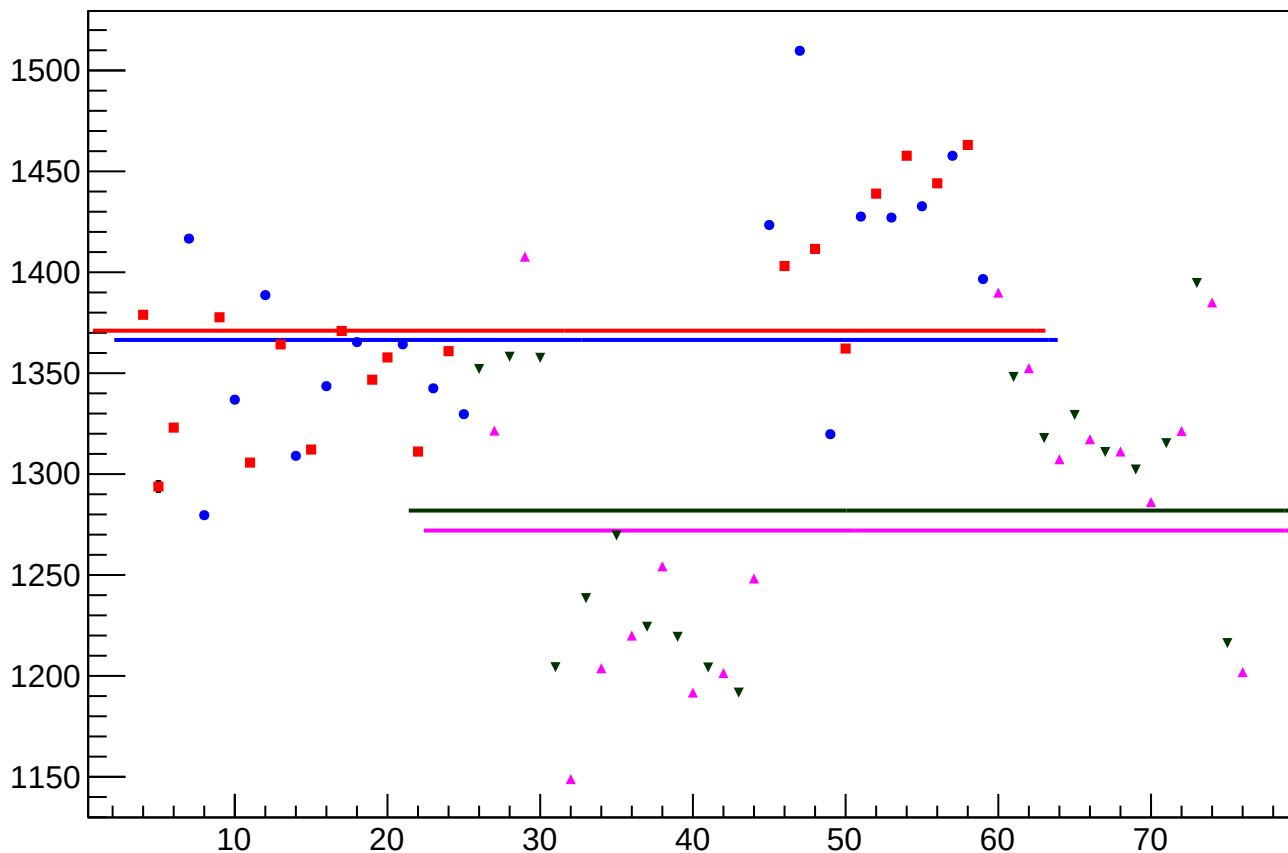
Right Out: -1.724 $\pm$ 0.434 χ^2 /NDF: 1071.7/18

Left In: 33.225 $\pm$ 0.398 χ^2 /NDF:2001.0/17

9.302 $\pm$ 0.292 χ^2 /NDF: 22417.3/35

17.268 $\pm$ 0.293 χ^2 /NDF: 6597.6/36

diff_bpm2i01Y_rms vs slug



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

Left Out: 1281.931 $\pm$ 0.296 χ^2 /NDF: 46157.3/17

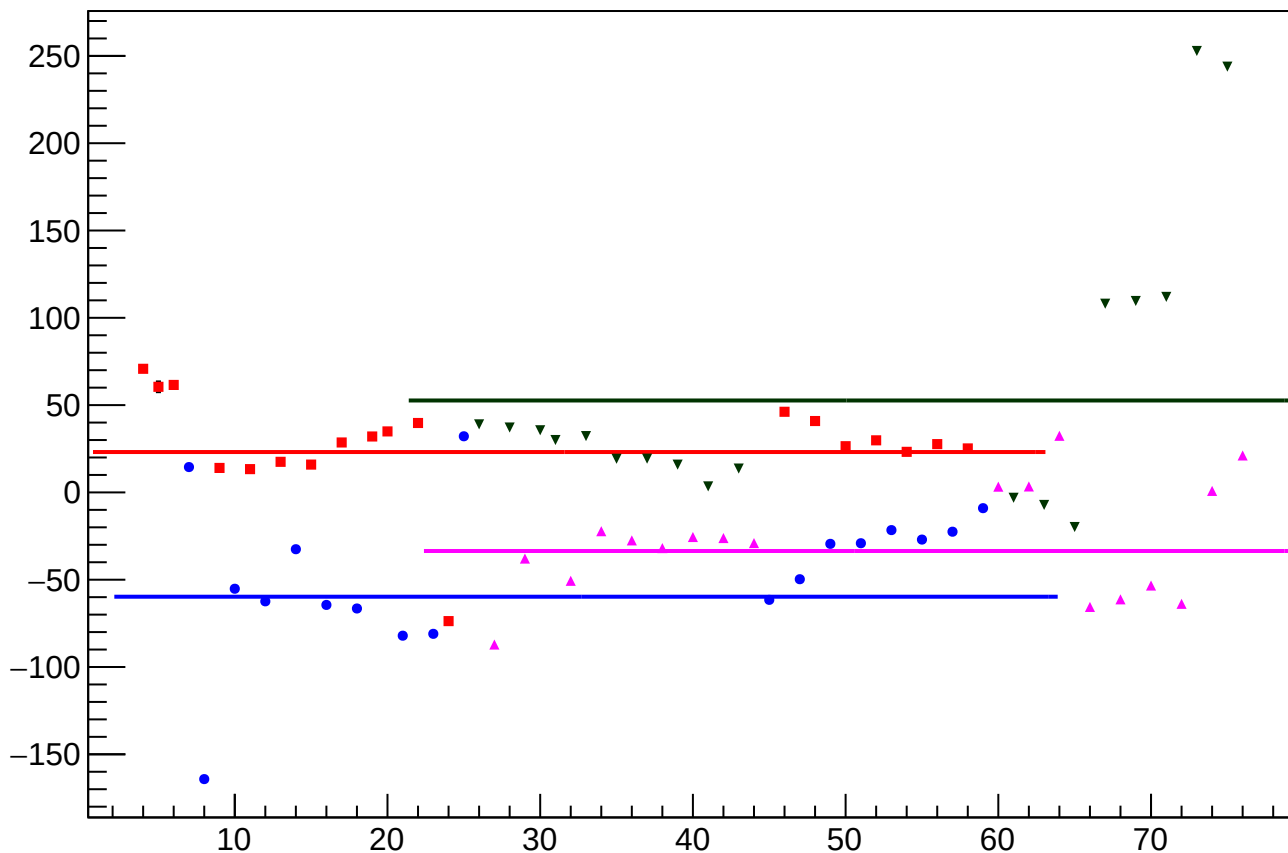
Right Out: 1371.055 $\pm$ 0.307 χ^2 /NDF: 24860.5/18

Left In: 1272.027 $\pm$ 0.281 χ^2 /NDF: 78347.1/17

1325.290 $\pm$ 0.207 χ^2 /NDF: 126634.4/35

1317.242 $\pm$ 0.207 χ^2 /NDF: 159808.3/36

diff_bpm2i02X_mean vs slug



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

Left Out: 52.652 ± 0.380 $\chi^2/\text{NDF}: 35000.0/17$

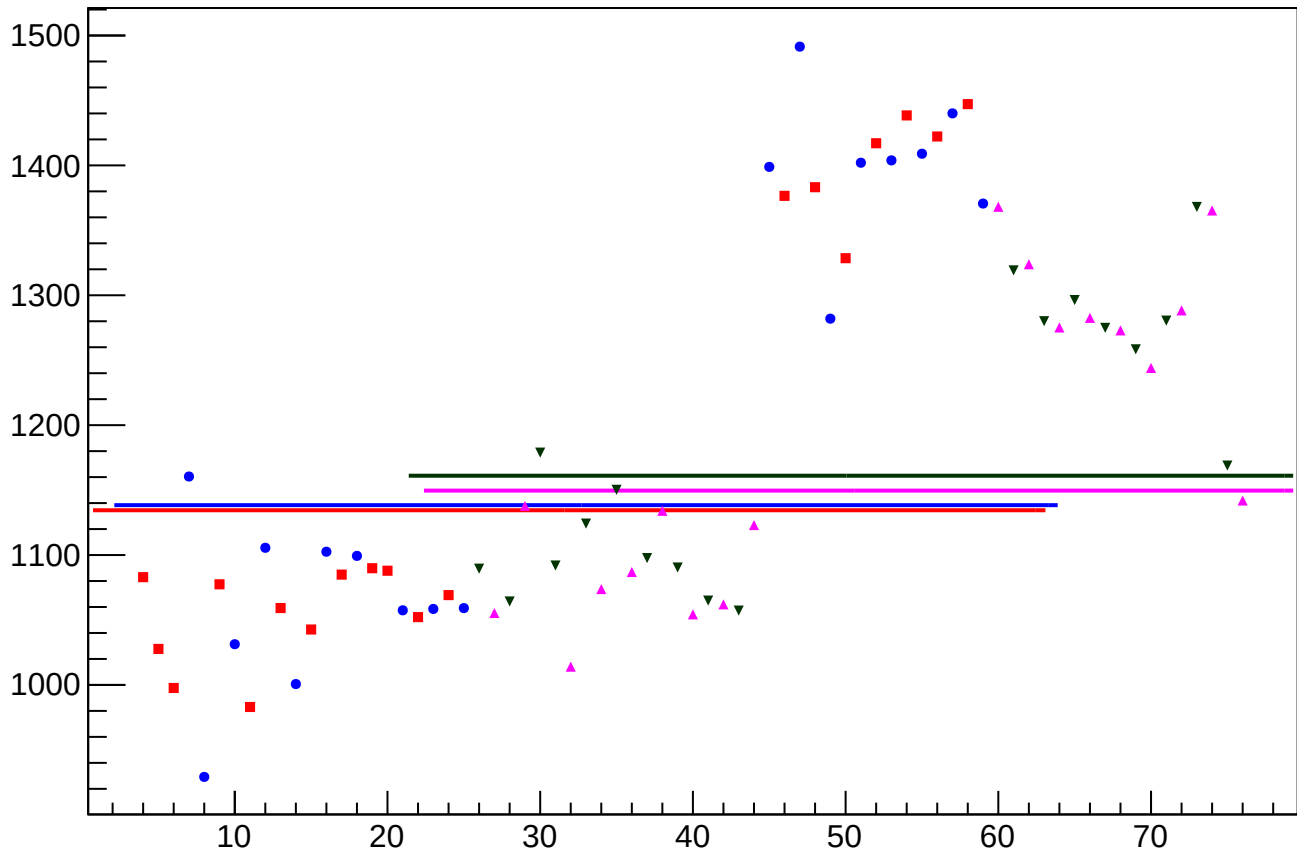
Right Out: 23.126 ± 0.362 $\chi^2/\text{NDF}: 7355.2/18$

Left In: -33.557 ± 0.361 $\chi^2/\text{NDF}: 7386.1/17$

-9.263 ± 0.255 $\chi^2/\text{NDF}: 101939.1/35$

-5.307 ± 0.255 $\chi^2/\text{NDF}: 27053.4/36$

diff_bpm2i02X_rms vs slug



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

Left Out: 1161.080 $\pm$ 0.269 χ^2 /NDF:128098.7/17

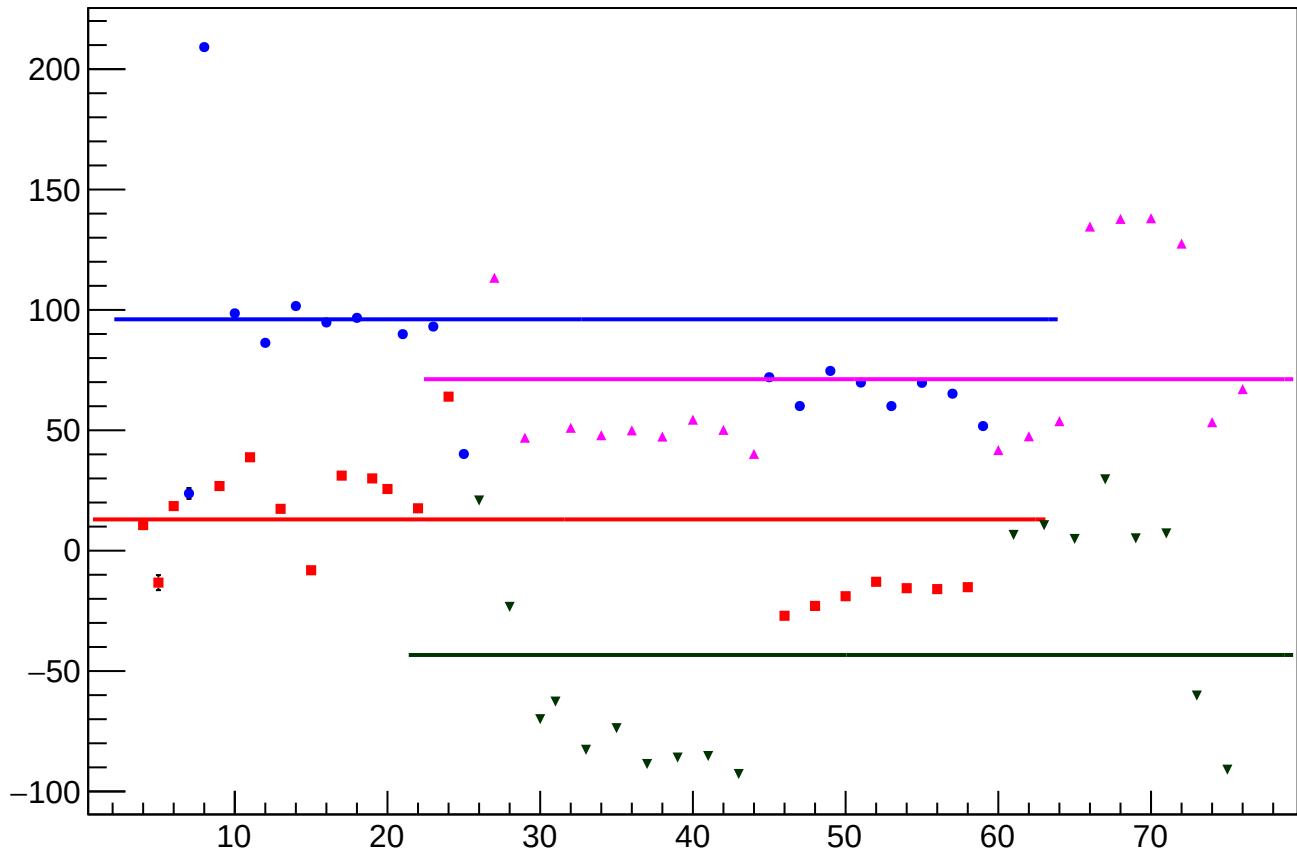
Right Out: 1134.479 $\pm$ 0.256 χ^2 /NDF: 360721.2/18

Left In: 1149.619 $\pm$ 0.255 χ^2 /NDF:186586.4/17

1148.592 $\pm$ 0.180 χ^2 /NDF: 620094.3/35

1142.074 $\pm$ 0.181 χ^2 /NDF: 549064.5/36

diff_bpm2i02Y_mean vs slug



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

Left Out: -43.318 $\pm$ 0.375 χ^2 /NDF: 14104.8/17

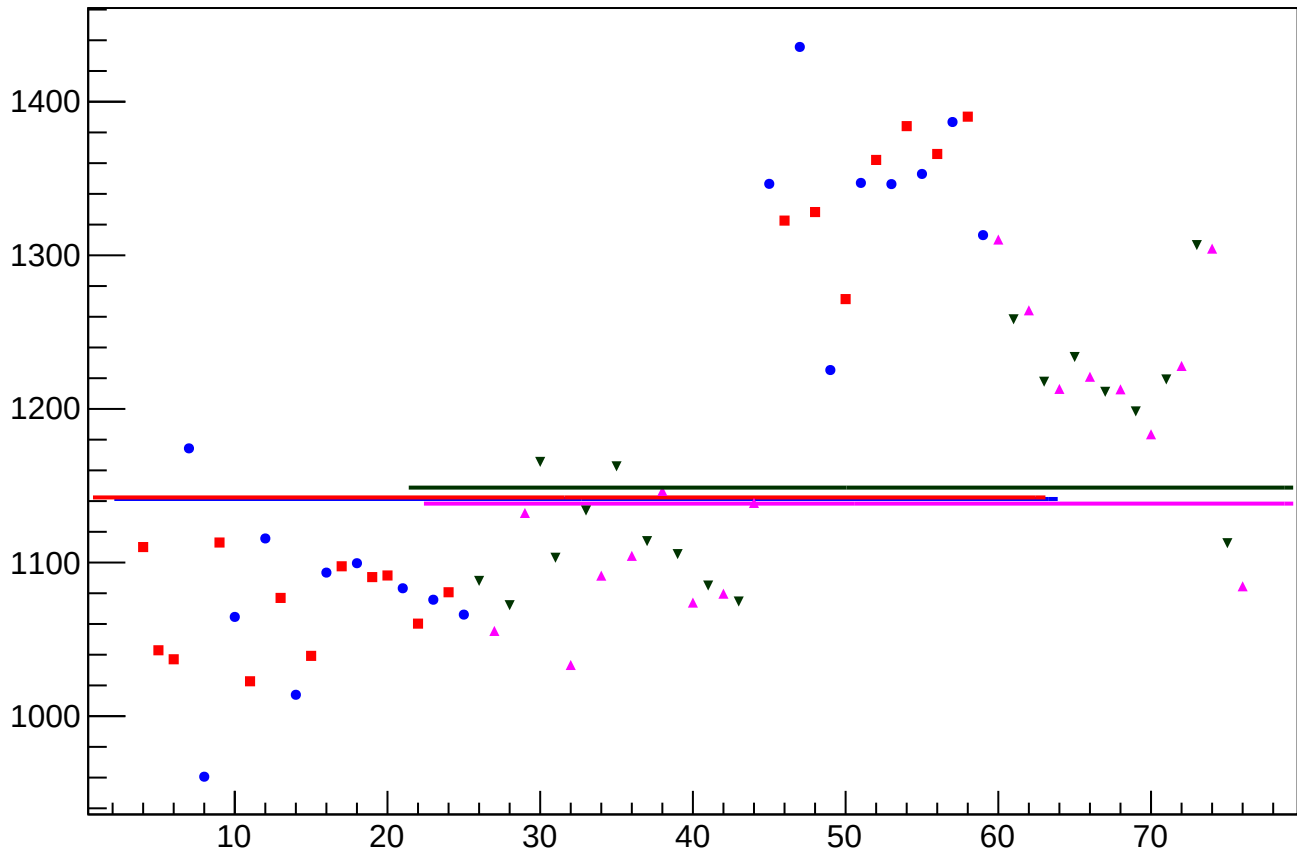
Right Out: 12.992 $\pm$ 0.363 χ^2 /NDF: 4541.3/18

Left In: 71.224 $\pm$ 0.356 χ^2 /NDF: 9634.8/17

32.677 $\pm$ 0.253 χ^2 /NDF: 106425.1/35

42.669 $\pm$ 0.254 χ^2 /NDF: 27272.5/36

diff_bpm2i02Y_rms vs slug



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

Left Out: 1148.782 $\pm$ 0.265 χ^2 /NDF:62831.1/17

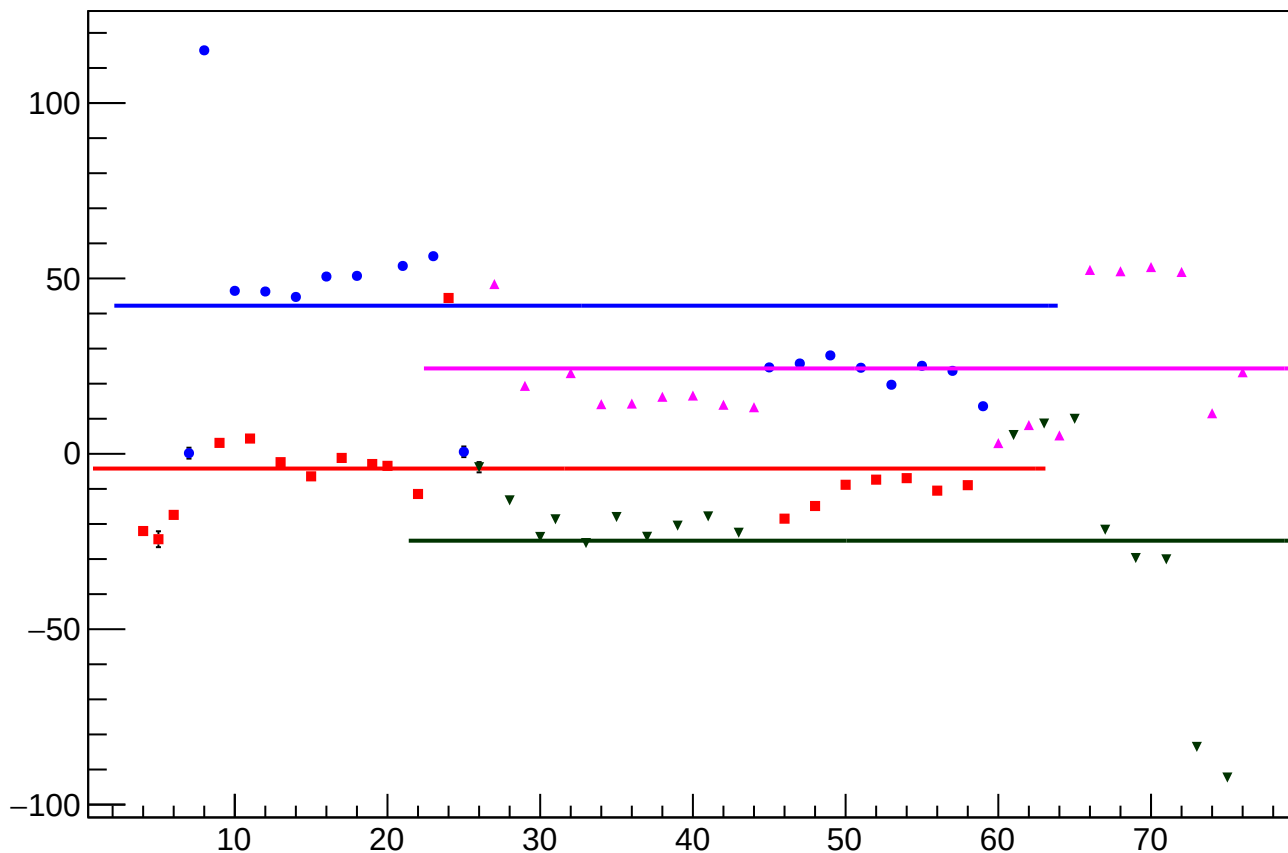
Right Out: 1142.390 $\pm$ 0.257 χ^2 /NDF: 236212.3/18

Left In: 1138.356 $\pm$ 0.252 χ^2 /NDF:104480.3/17

1144.747 $\pm$ 0.179 χ^2 /NDF: 392561.6/35

1140.334 $\pm$ 0.180 χ^2 /NDF: 340818.3/36

diff_bpm1i04X_mean vs slug



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

Left Out: -24.764+/-0.239 χ^2/NDF : 12299.5/17

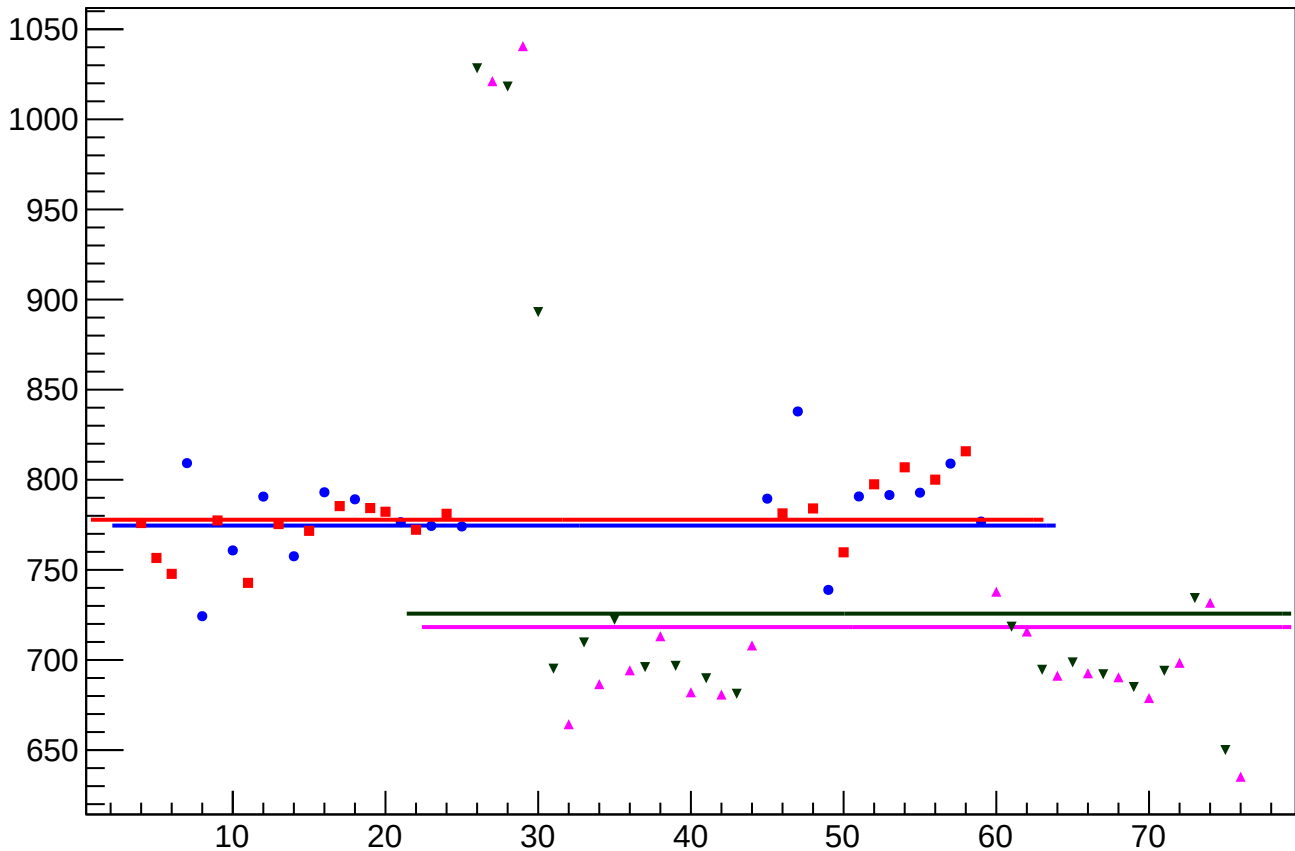
Right Out: -4.198+/-0.246 χ^2/NDF : 3378.3/18

Left In: 24.343+/-0.226 χ^2/NDF : 5669.3/17

9.833+/-0.166 χ^2/NDF : 67310.4/35

11.259+/-0.166 χ^2/NDF : 16351.1/36

diff_bpm1i04X_rms vs slug



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

Left Out: 725.717+/-0.169 χ^2/NDF : 284659.0/17

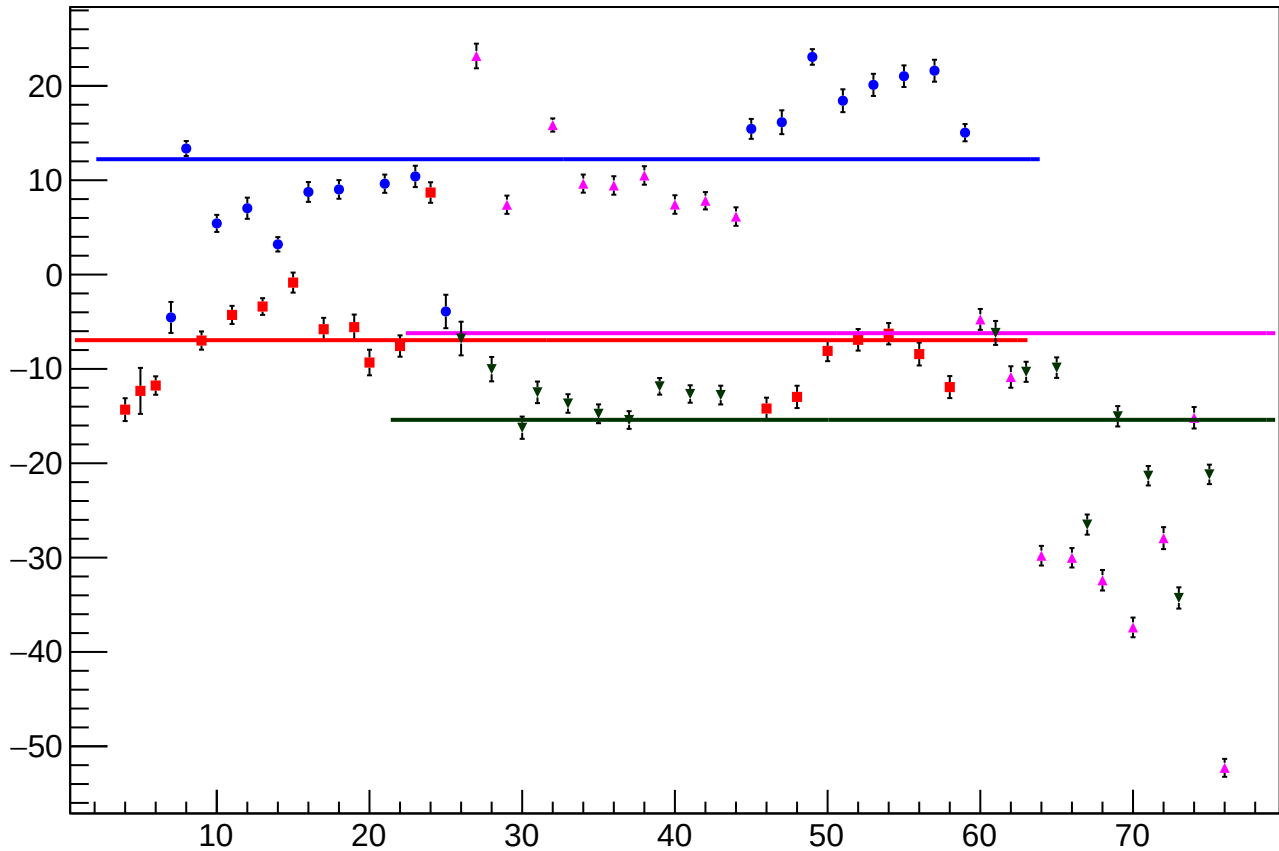
Right Out: 777.816+/-0.174 χ^2/NDF : 11180.5/18

Left In: 718.253+/-0.160 χ^2/NDF : 365058.5/17

750.951+/-0.117 χ^2/NDF : 354343.1/35

745.558+/-0.118 χ^2/NDF : 439856.4/36

diff_bpm1i04Y_mean vs slug



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

Left Out: -15.397 $\pm$ 0.252 χ^2 /NDF: 637.9/17

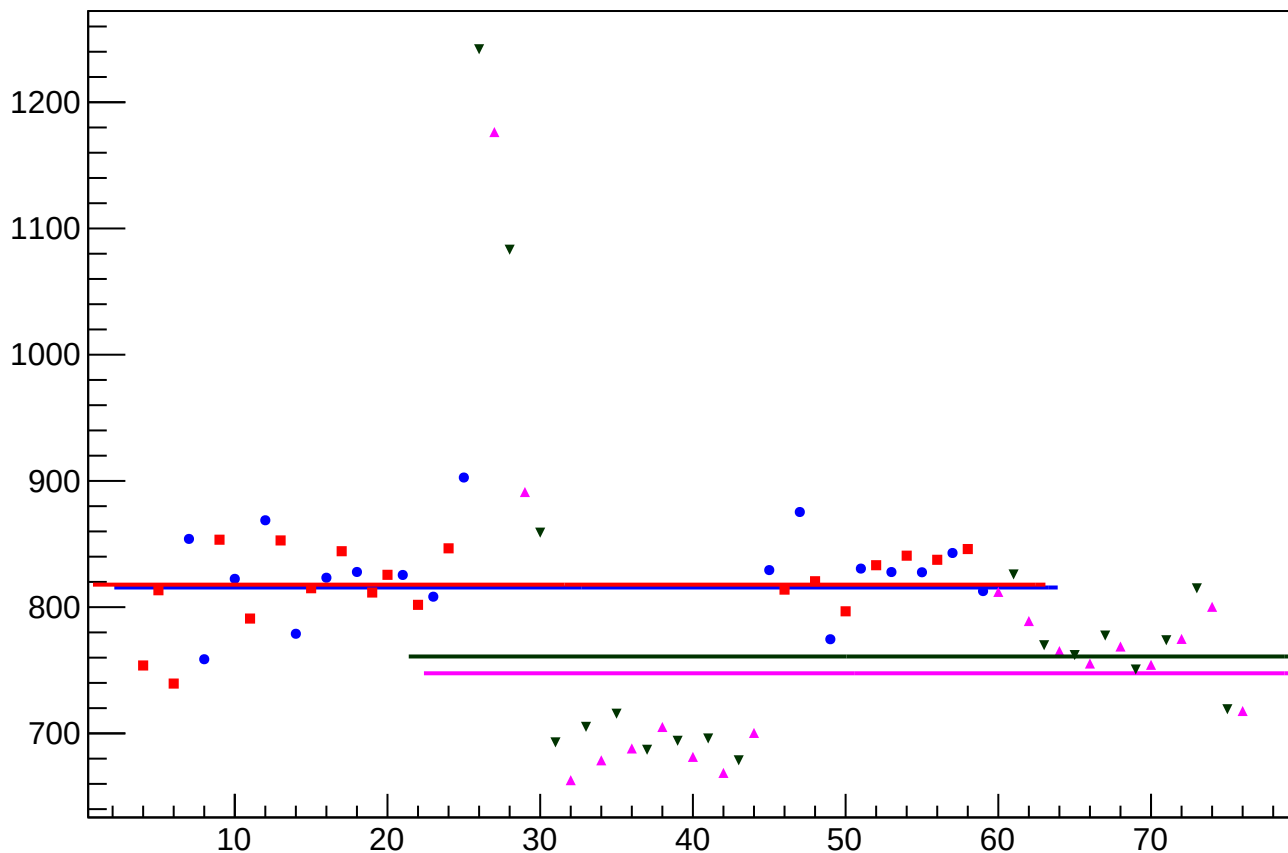
Right Out: -6.954 $\pm$ 0.259 χ^2 /NDF: 420.8/18

Left In: -6.211 $\pm$ 0.236 χ^2 /NDF: 8398.6/17

-1.130 $\pm$ 0.175 χ^2 /NDF: 7693.6/35

-6.548 $\pm$ 0.174 χ^2 /NDF: 8823.8/36

diff_bpm1i04Y_rms vs slug



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

Left Out: 760.926+/-0.178 χ^2/NDF : 362776.9/17

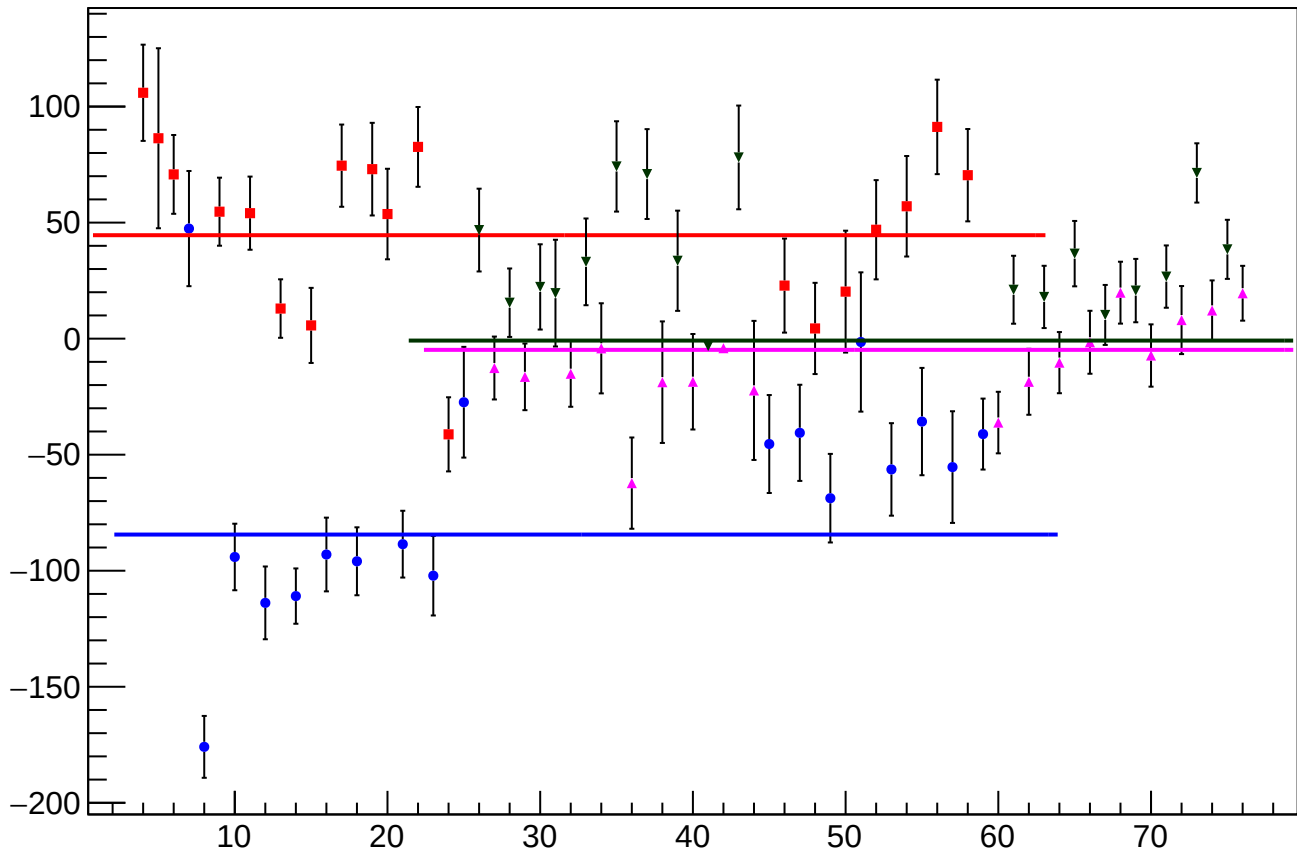
Right Out: 817.840+/-0.183 χ^2/NDF : 32410.2/18

Left In: 747.615+/-0.167 χ^2/NDF : 357348.9/17

789.151+/-0.124 χ^2/NDF : 449127.9/35

779.460+/-0.123 χ^2/NDF : 470084.6/36

diff_bpm0l02X_mean vs slug



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

Left Out: -0.829 ± 0.952 χ^2/NDF : 123.7/17

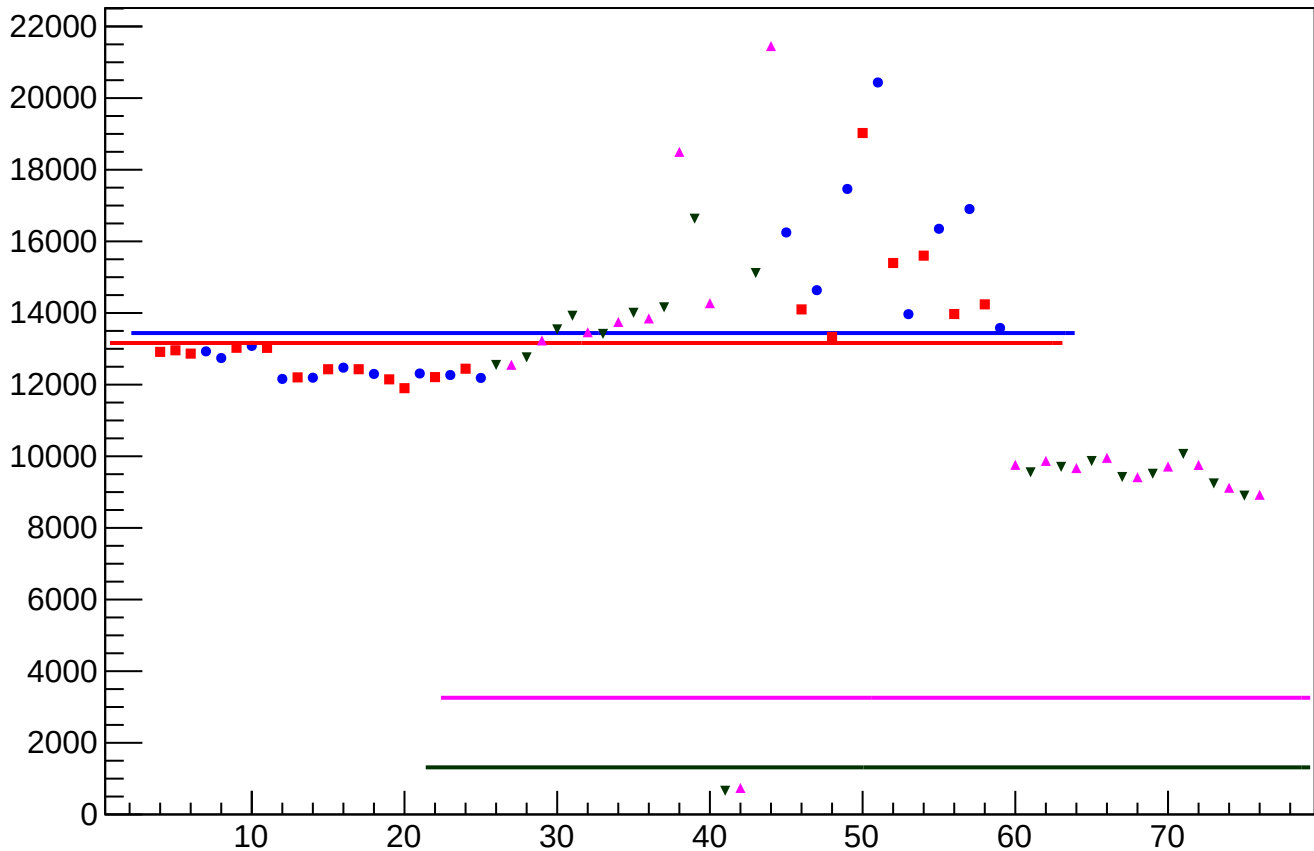
Right Out: 44.573 ± 4.203 χ^2/NDF : 77.6/18

Left In: -4.830 ± 1.791 χ^2/NDF : 28.2/17

-5.185 ± 0.927 χ^2/NDF : 649.7/35

2.766 ± 1.648 χ^2/NDF : 222.7/36

diff_bpm0l02X_rms vs slug



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

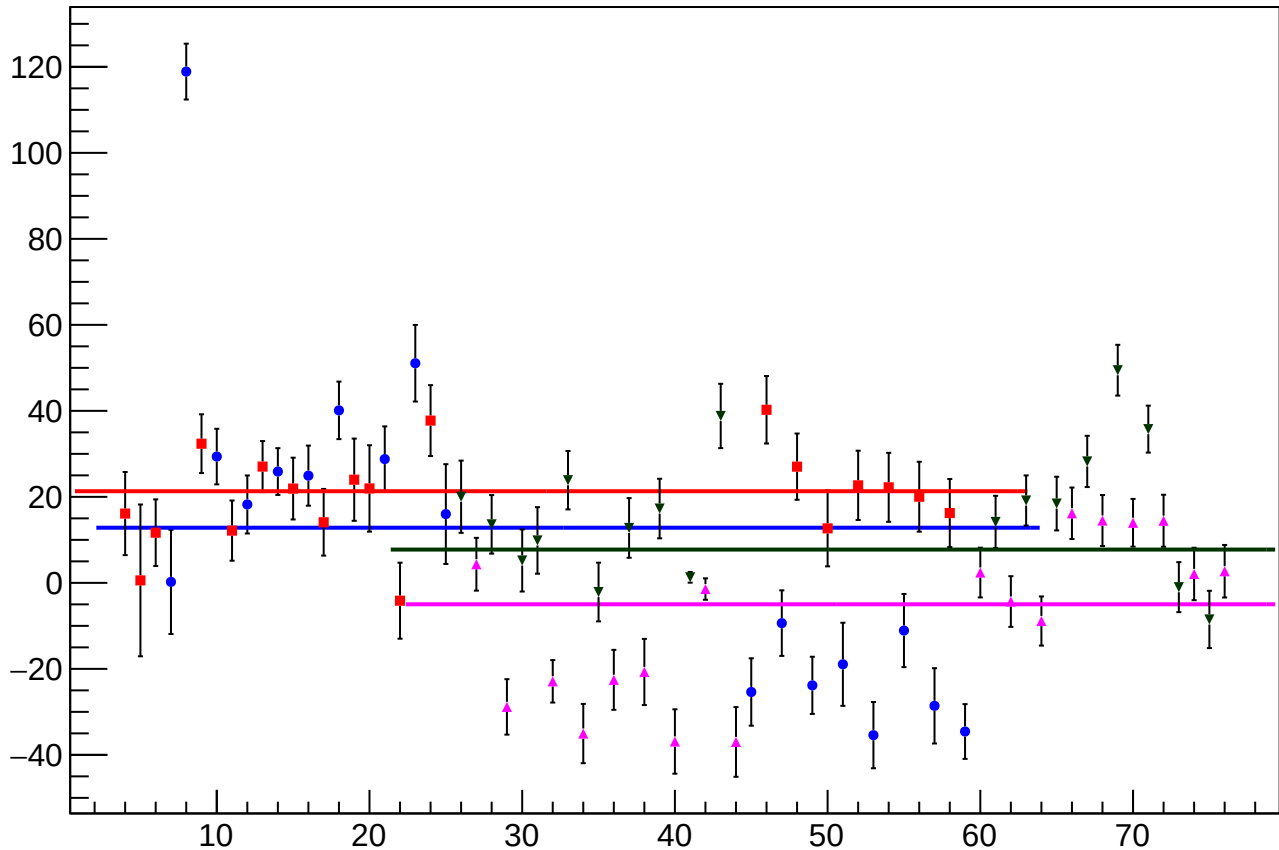
Left Out: 13162.769+/-2.972 χ^2/NDF : 204436.9/18

Left In: 3257.702+/-1.267 χ^2/NDF : 13101417.9/17

1946.882+/-0.655 χ^2/NDF : 32011369.8/35

4780.728+/-1.165 χ^2/NDF : 22707403.1/36

diff_bpm0l02Y_mean vs slug



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

Left Out: 7.745 ± 0.979 χ^2/NDF : 161.4/17

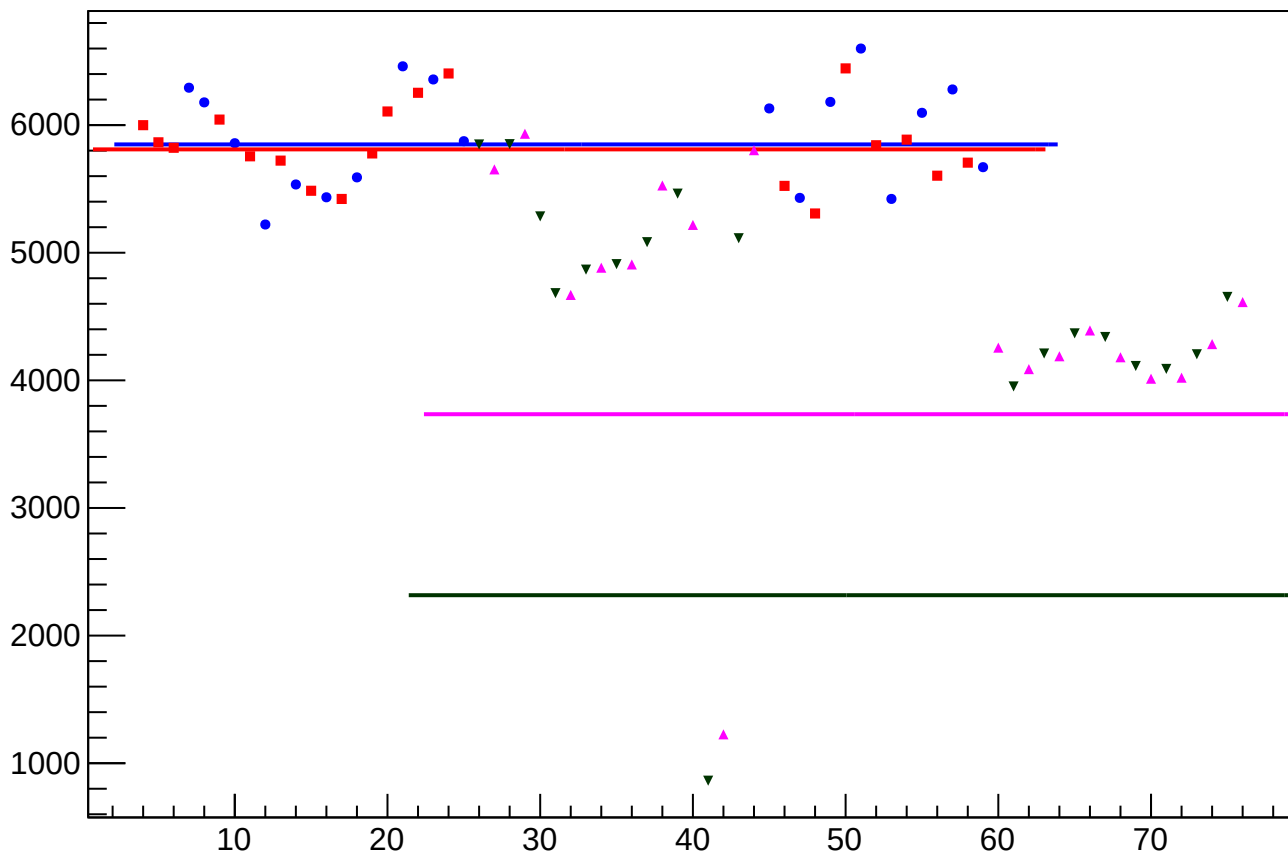
Right Out: 21.314 ± 1.847 χ^2/NDF : 29.5/18

Left In: -4.979 ± 1.287 χ^2/NDF : 144.8/17

8.953 ± 0.855 χ^2/NDF : 689.6/35

3.616 ± 1.056 χ^2/NDF : 310.7/36

diff_bpm0l02Y_rms vs slug



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

Left Out: 2316.506+/-0.692 χ^2/NDF : 7377764.5/17

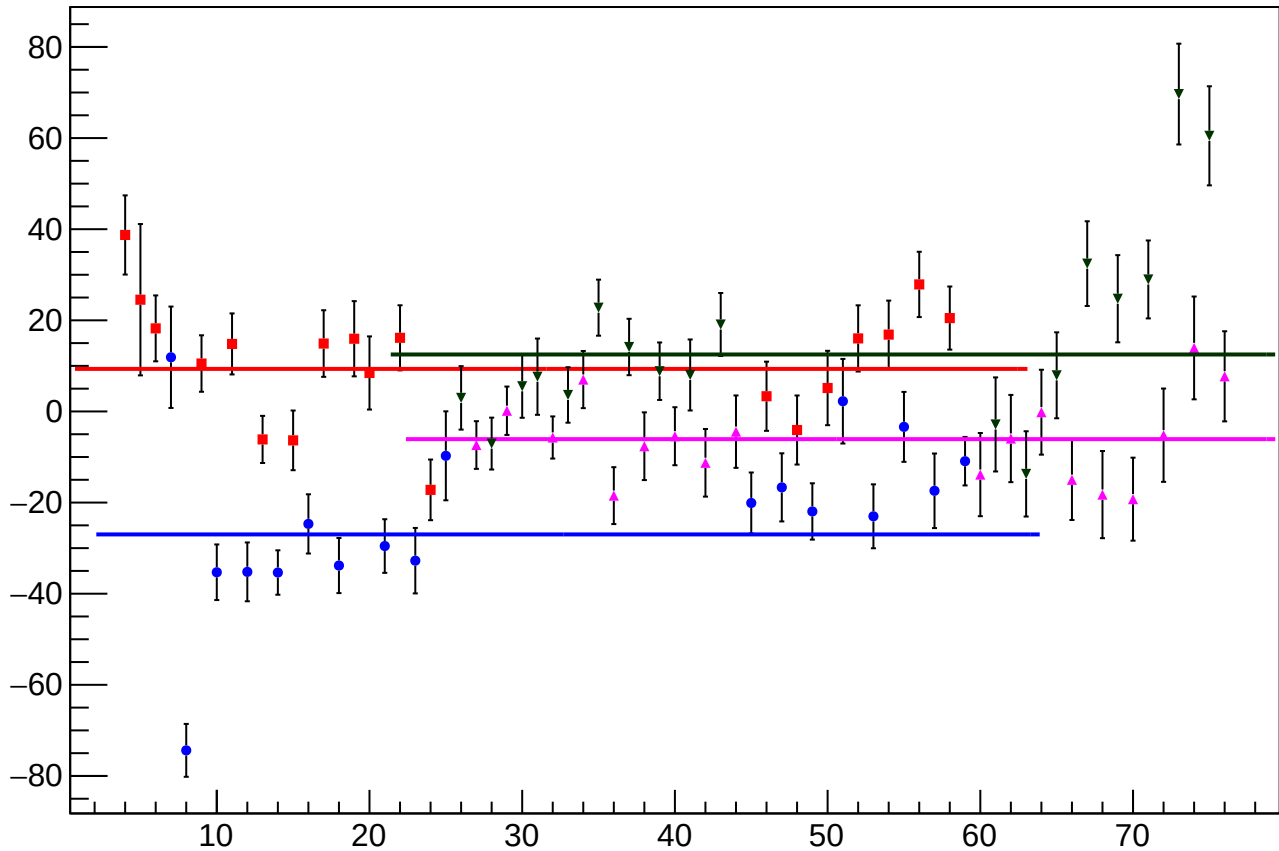
Right Out: 5809.767+/-1.306 χ^2/NDF : 53321.4/18

Left In: 3734.608+/-0.910 χ^2/NDF : 3096820.1/17

3156.727+/-0.604 χ^2/NDF : 13671699.1/35

4412.930+/-0.747 χ^2/NDF : 4849547.9/36

diff_bpm0l03X_mean vs slug



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

Left Out: 12.503 ± 1.786 $\chi^2/\text{NDF}: 88.0/17$

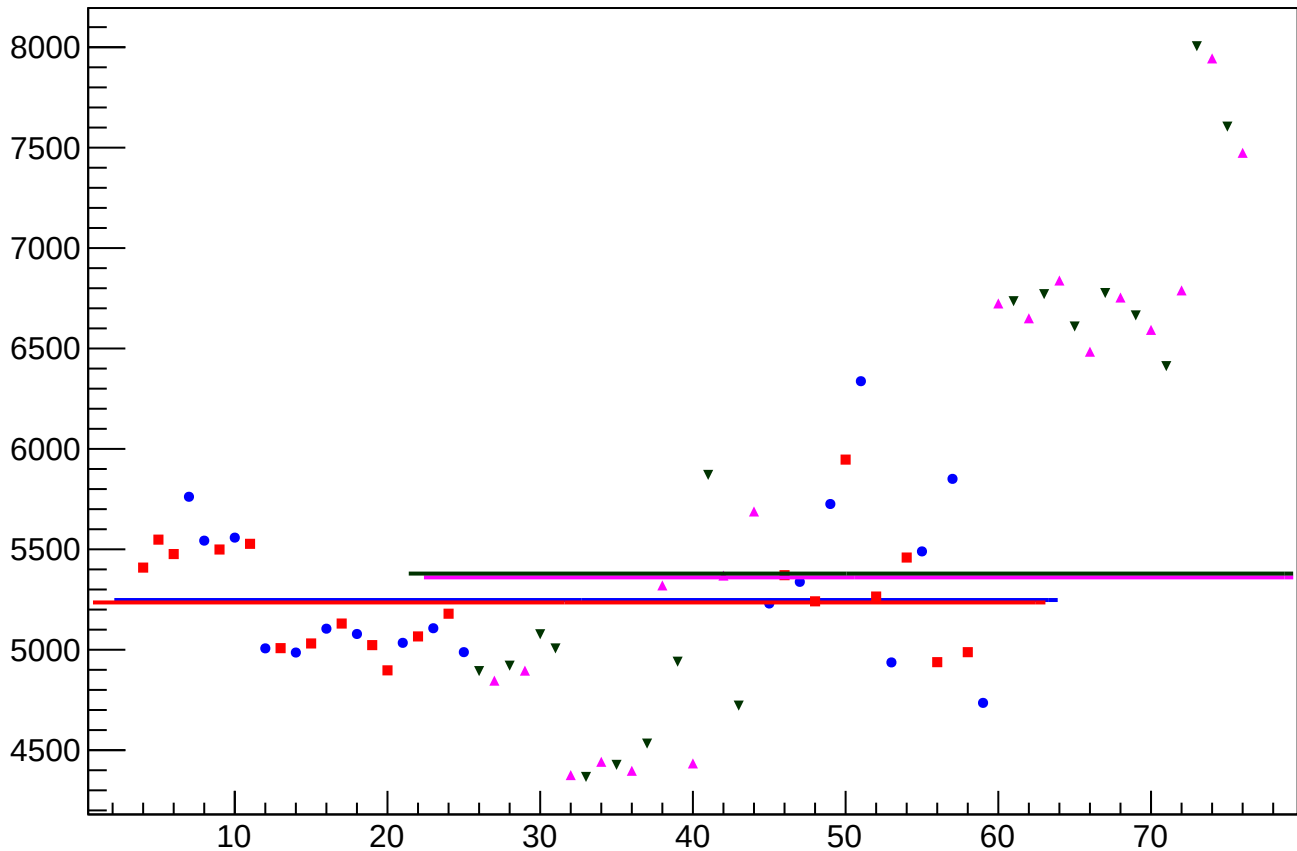
Right Out: 9.337 ± 1.659 $\chi^2/\text{NDF}: 62.4/18$

Left In: -6.076 ± 1.704 $\chi^2/\text{NDF}: 21.3/17$

-9.783 ± 1.179 $\chi^2/\text{NDF}: 488.4/35$

1.834 ± 1.189 $\chi^2/\text{NDF}: 125.7/36$

diff_bpm0l03X_rms vs slug



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

Left Out: 5379.254+/-1.263 χ^2/NDF : 626403.5/17

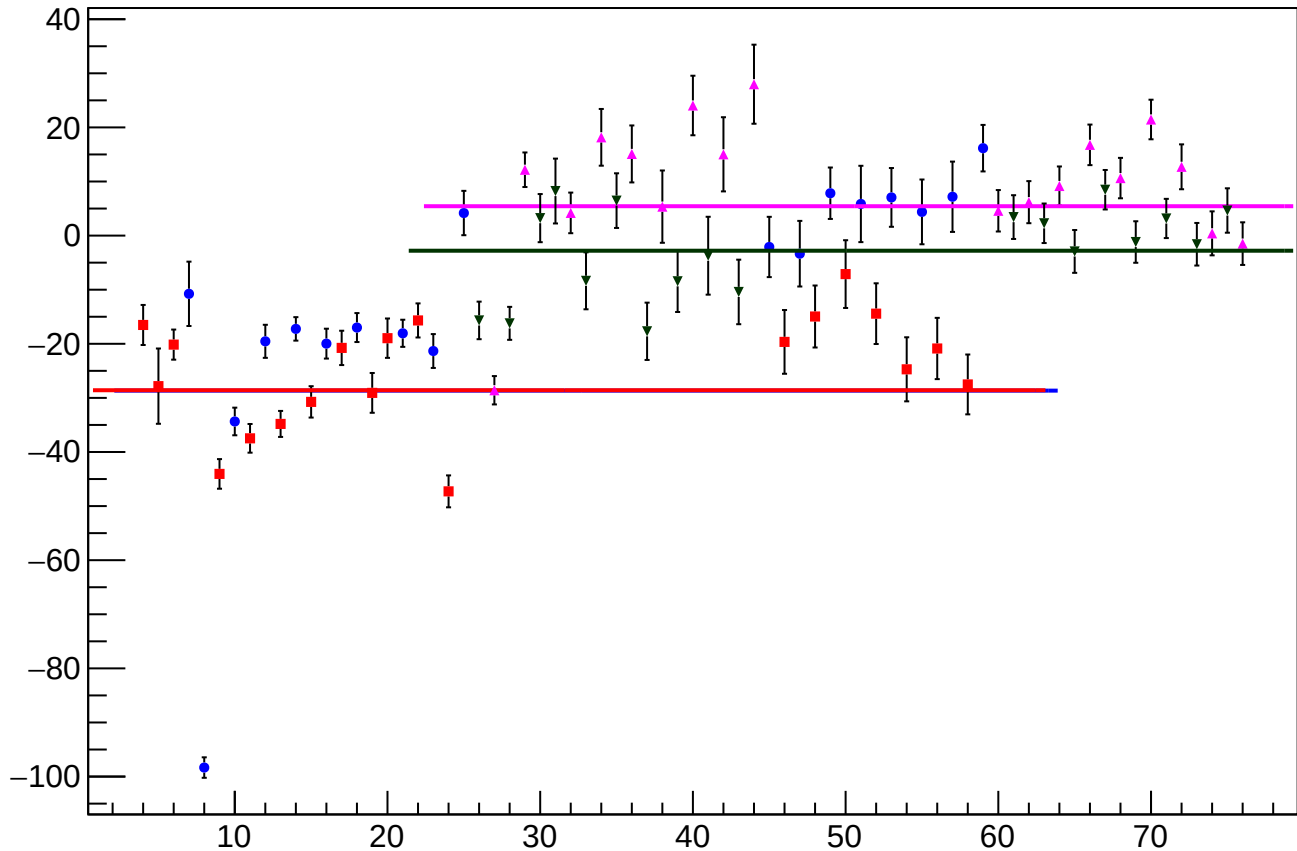
Right Out: 5235.469+/-1.173 χ^2/NDF : 47165.0/18

Left In: 5360.371+/-1.205 χ^2/NDF : 739387.3/17

5304.943+/-0.834 χ^2/NDF : 738167.3/35

5296.269+/-0.841 χ^2/NDF : 792067.3/36

diff_bpm0l03Y_mean vs slug



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

Left Out: -2.794 ± 0.999 χ^2/NDF : 73.5/17

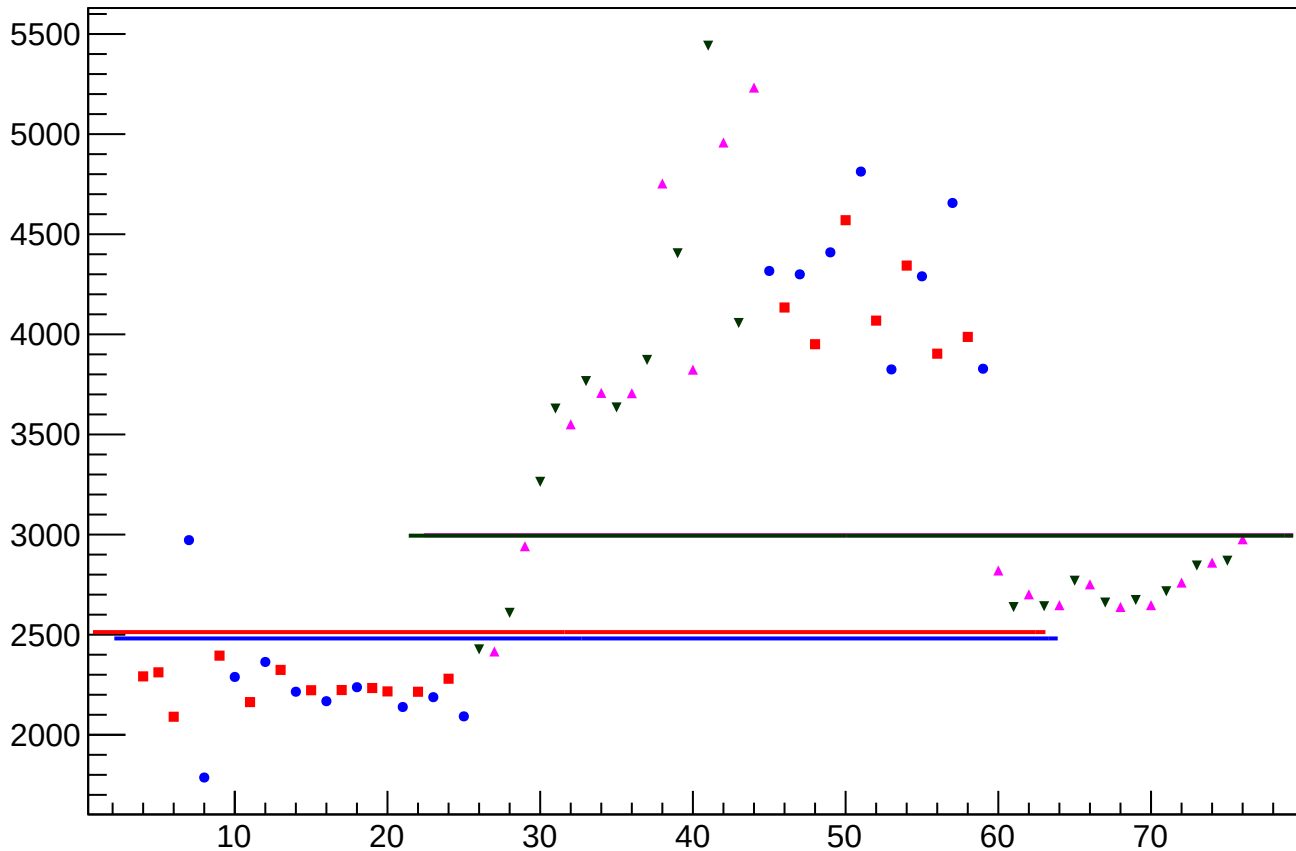
Right Out: -28.584 ± 0.826 χ^2/NDF : 168.7/18

Left In: 5.432 ± 0.956 χ^2/NDF : 244.5/17

-18.835 ± 0.616 χ^2/NDF : 2346.4/35

-14.037 ± 0.625 χ^2/NDF : 1137.7/36

diff_bpm0l03Y_rms vs slug



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

Left Out: 2994.561 $\pm$ 0.707 χ^2 /NDF: 751236.0/17

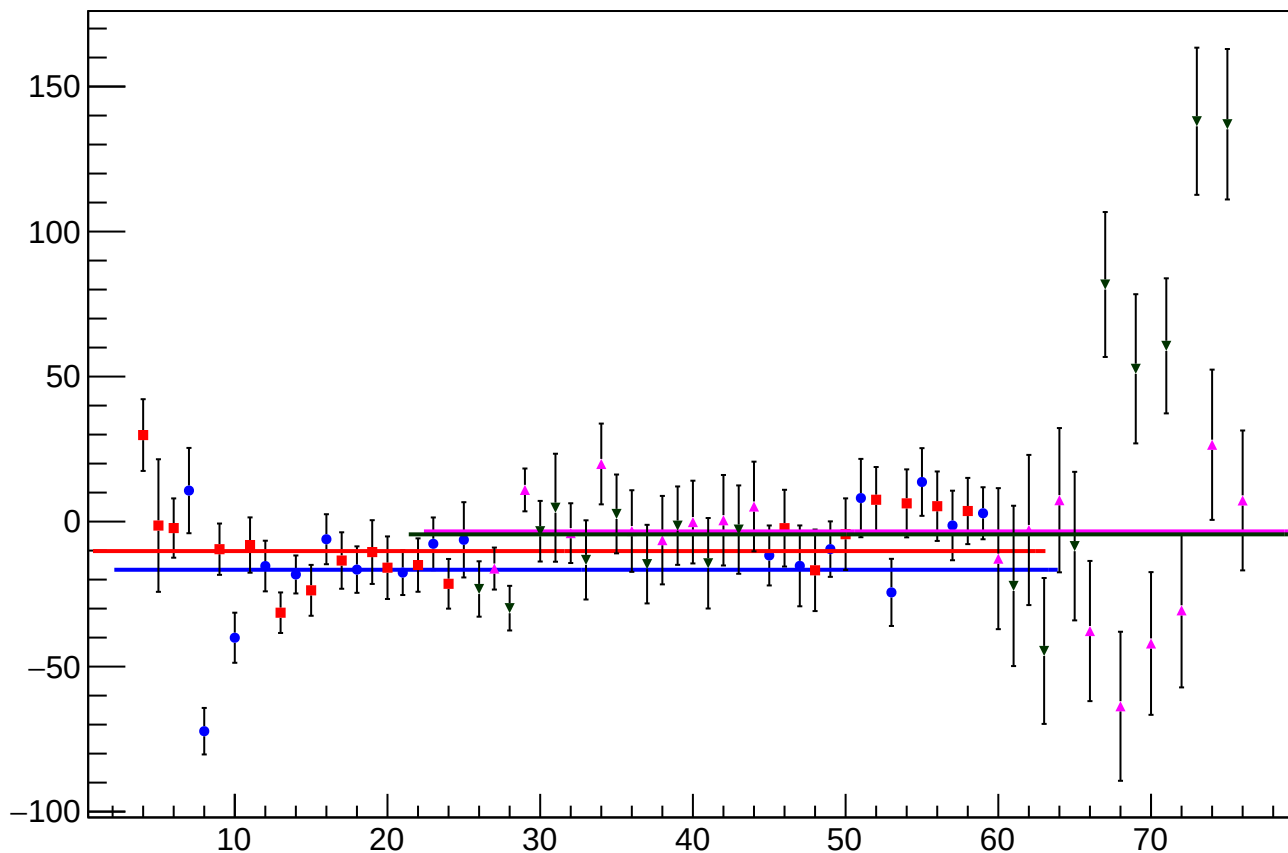
2676.164 $\pm$ 0.436 χ^2 /NDF: 3190916.7/35

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

2719.934 $\pm$ 0.442 χ^2 /NDF: 2430212.3/36

Left In: 2996.955 $\pm$ 0.676 χ^2 /NDF: 838216.6/17

diff_bpm0l04X_mean vs slug



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

Left Out: -4.403 ± 3.483 $\chi^2/\text{NDF}: 105.6/17$

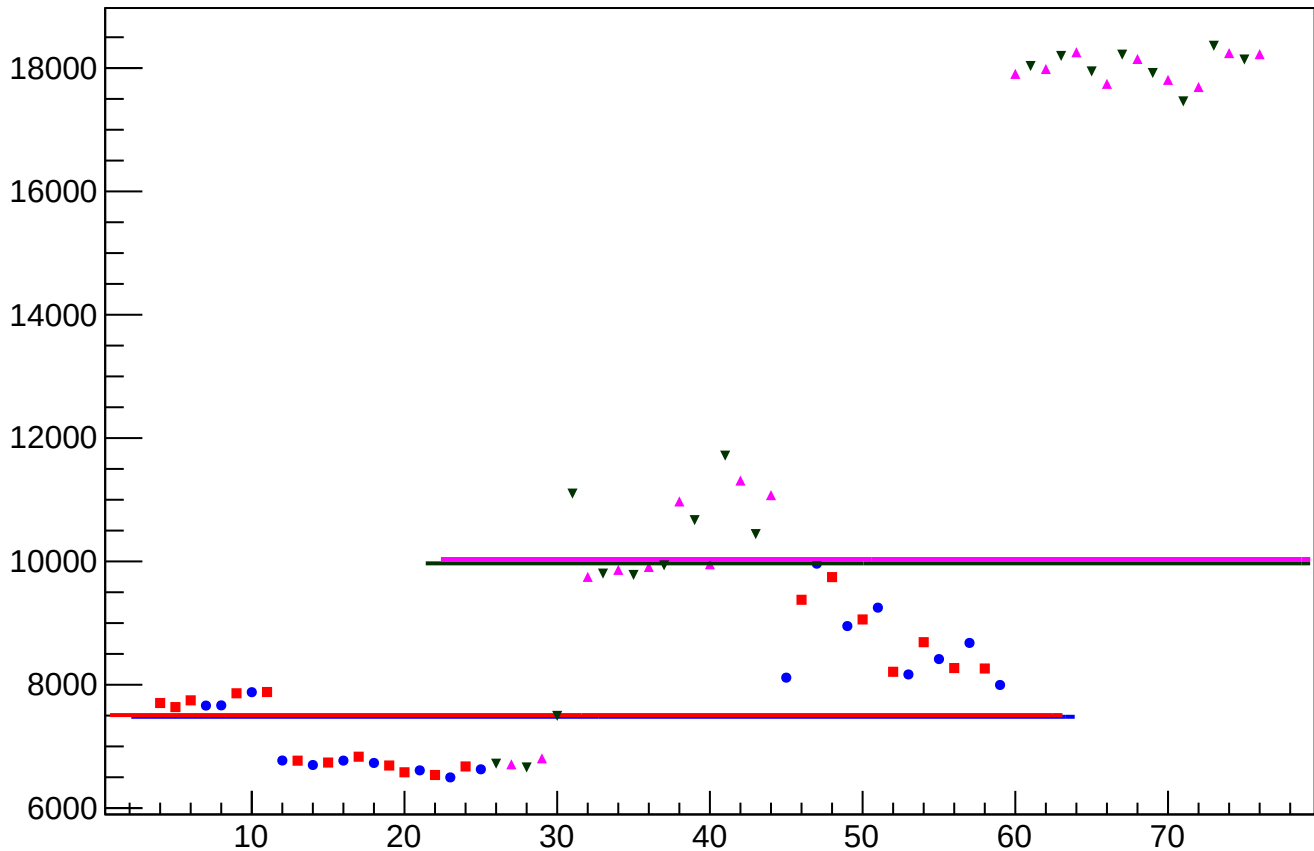
Right Out: -10.172 ± 2.389 $\chi^2/\text{NDF}: 33.7/18$

Left In: -3.384 ± 3.355 $\chi^2/\text{NDF}: 23.0/17$

-13.035 ± 1.885 $\chi^2/\text{NDF}: 194.2/35$

-7.888 ± 1.946 $\chi^2/\text{NDF}: 59.4/36$

diff_bpm0l04X_rms vs slug



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

Left Out: 9968.481+/-2.463 χ^2/NDF : 2365652.5/17

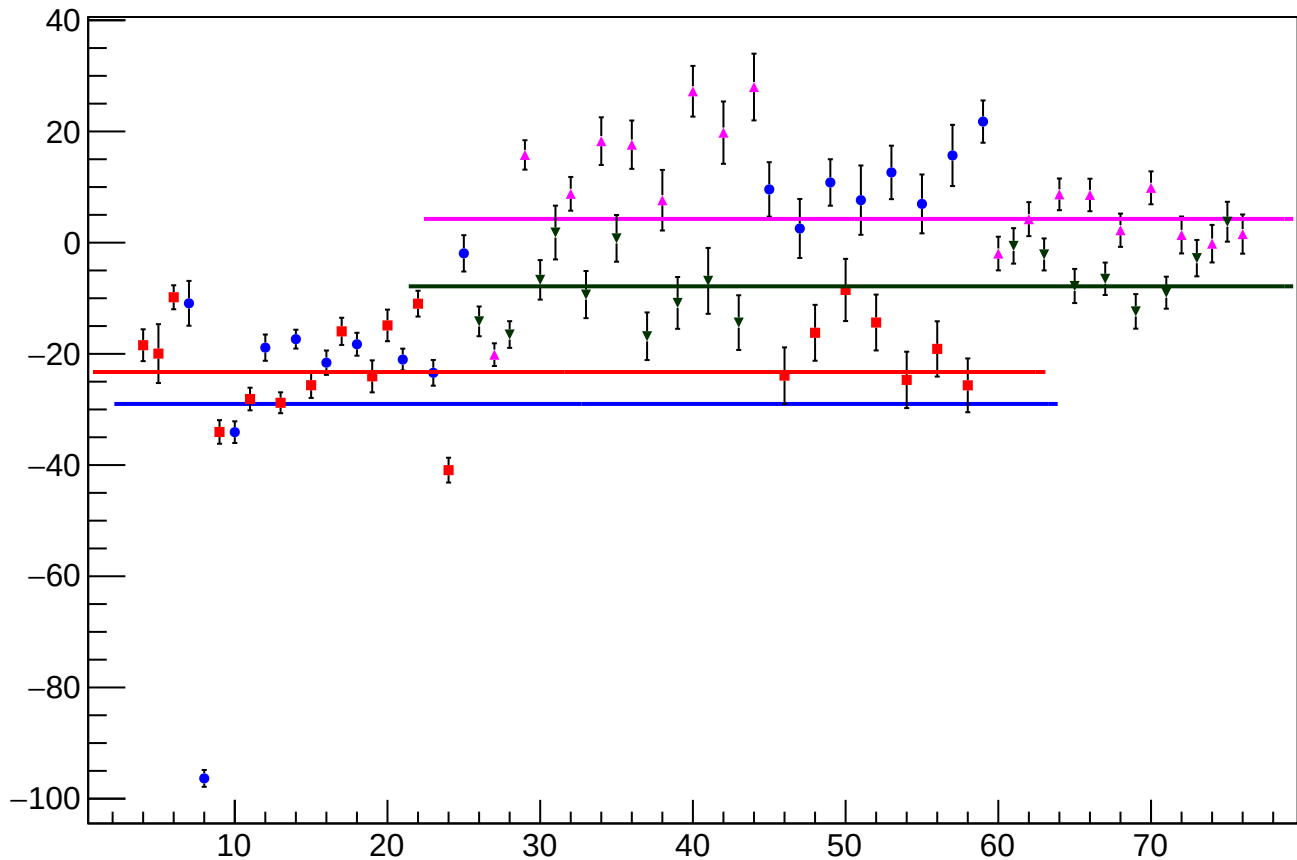
Right Out: 7508.240+/-1.689 χ^2/NDF : 289453.4/18

Left In: 10038.840+/-2.372 χ^2/NDF : 2653242.6/17

8209.403+/-1.333 χ^2/NDF : 3421969.9/35

8359.815+/-1.376 χ^2/NDF : 3697845.4/36

diff_bpm0l04Y_mean vs slug



Right In: -29.007 $\pm$ 0.618 χ^2/NDF : 2792.0/17

Left Out: -7.854 $\pm$ 0.802 χ^2/NDF : 58.2/17

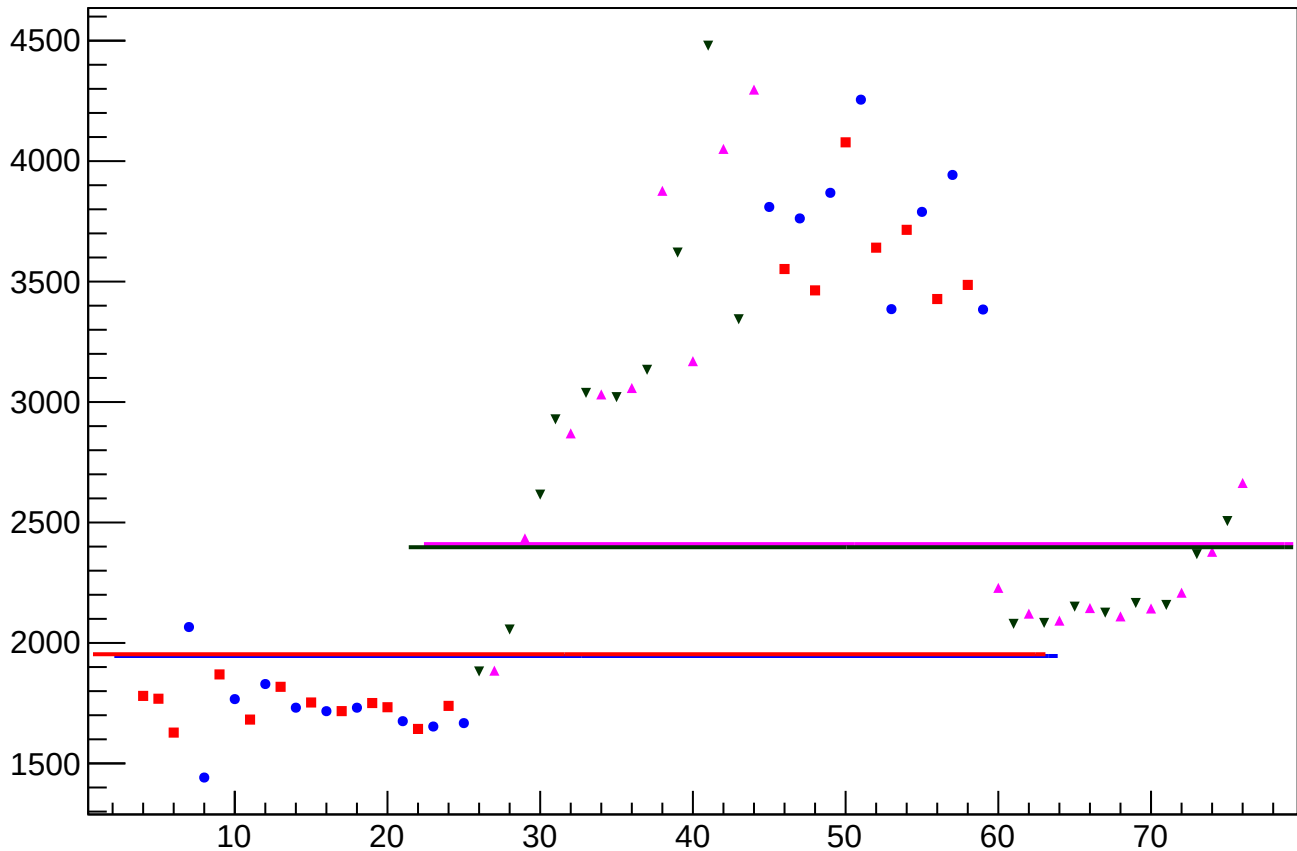
Right Out: -23.263 $\pm$ 0.648 χ^2/NDF : 204.8/18

Left In: 4.269 $\pm$ 0.771 χ^2/NDF : 249.7/17

-21.117 $\pm$ 0.490 χ^2/NDF : 3286.7/35

-11.865 $\pm$ 0.496 χ^2/NDF : 1201.9/36

diff_bpm0l04Y_rms vs slug



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

Left Out: 2397.374+/-0.567 χ^2/NDF : 855128.2/17

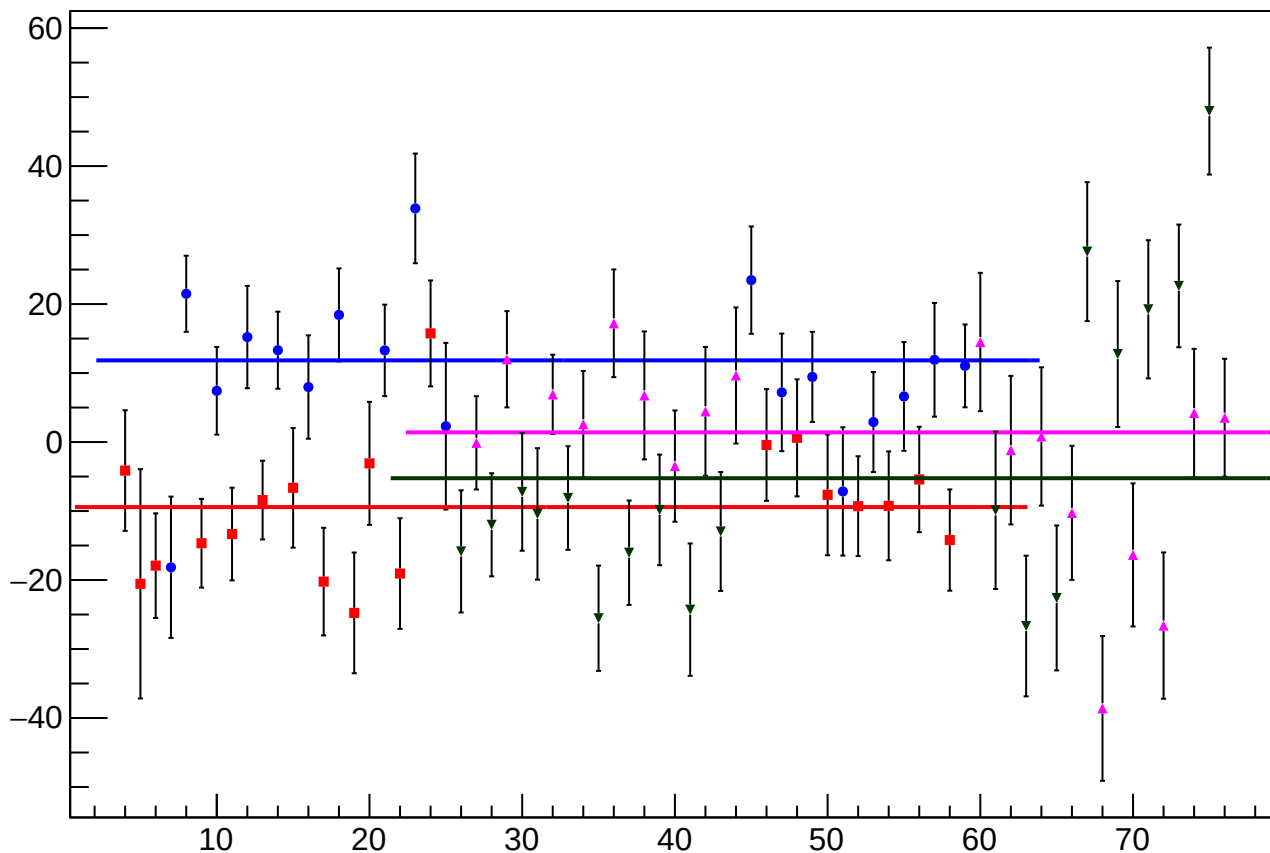
2114.284+/-0.346 χ^2/NDF : 3852415.4/35

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

2142.398+/-0.351 χ^2/NDF : 3093694.5/36

Left In: 2410.292+/-0.545 χ^2/NDF : 955733.7/17

diff_bpm0l05X_mean vs slug



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

Left Out: -5.241 $\pm$ 2.097 χ^2 /NDF: 87.1/17

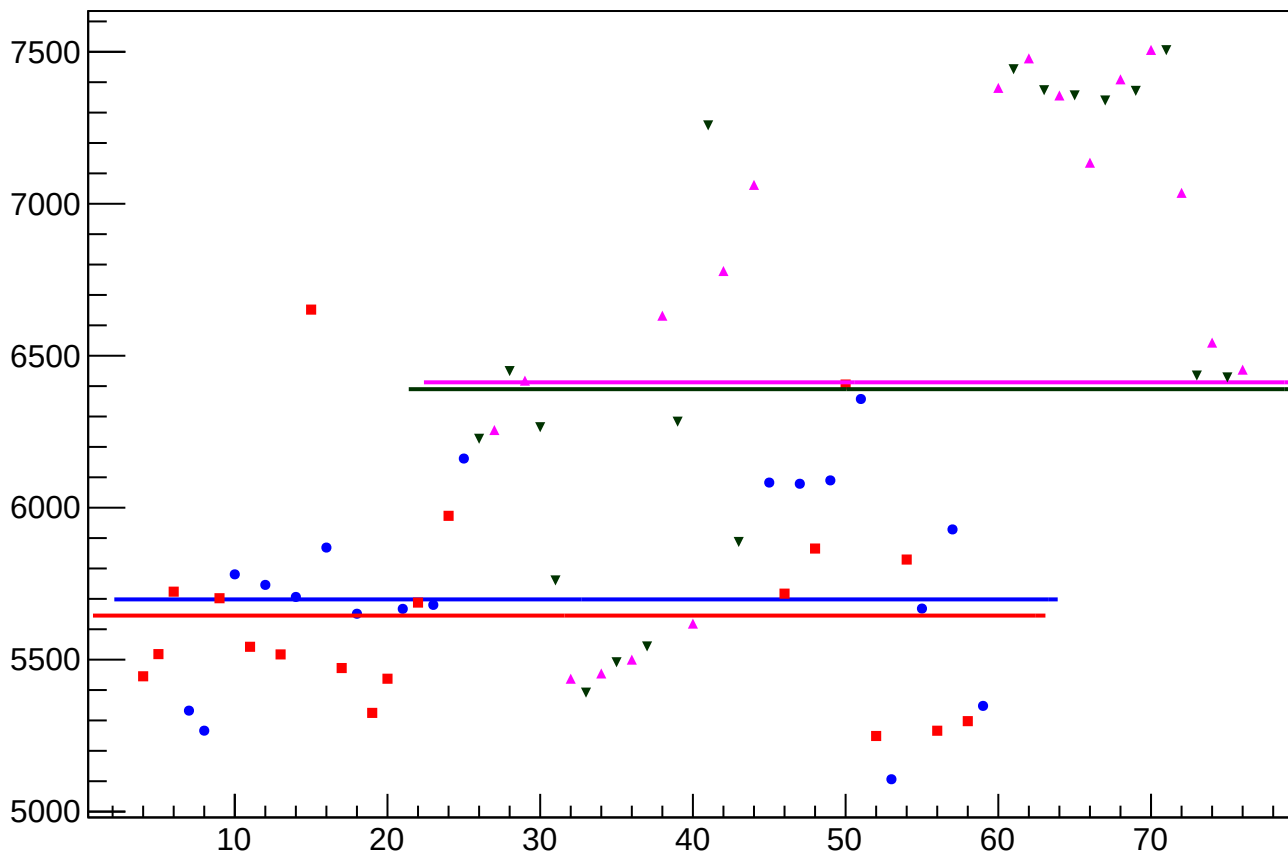
Right Out: -9.425 $\pm$ 1.790 χ^2 /NDF: 24.3/18

Left In: 1.402 $\pm$ 2.014 χ^2 /NDF: 36.7/17

5.061 $\pm$ 1.321 χ^2 /NDF: 157.8/35

-4.648 $\pm$ 1.338 χ^2 /NDF: 77.1/36

diff_bpm0l05X_rms vs slug



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

Left Out: 6389.982+/-1.483 χ^2/NDF : 234135.4/17

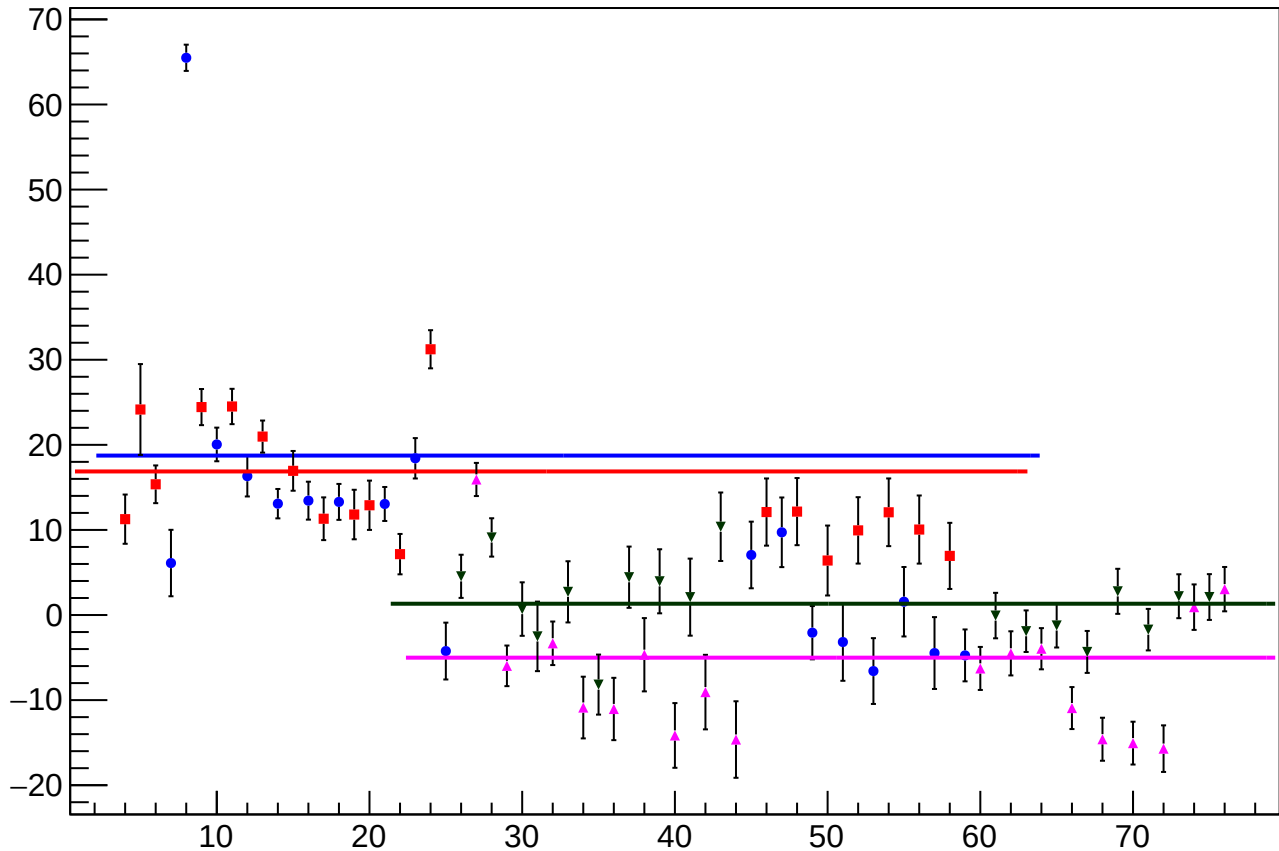
Right Out: 5644.999+/-1.266 χ^2/NDF : 71475.4/18

Left In: 6412.508+/-1.424 χ^2/NDF : 263953.9/17

5972.723+/-0.934 χ^2/NDF : 432569.2/35

5983.619+/-0.946 χ^2/NDF : 497660.7/36

diff_bpm0l05Y_mean vs slug



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

Left Out: 1.327+/-0.682 χ^2/NDF : 38.5/17

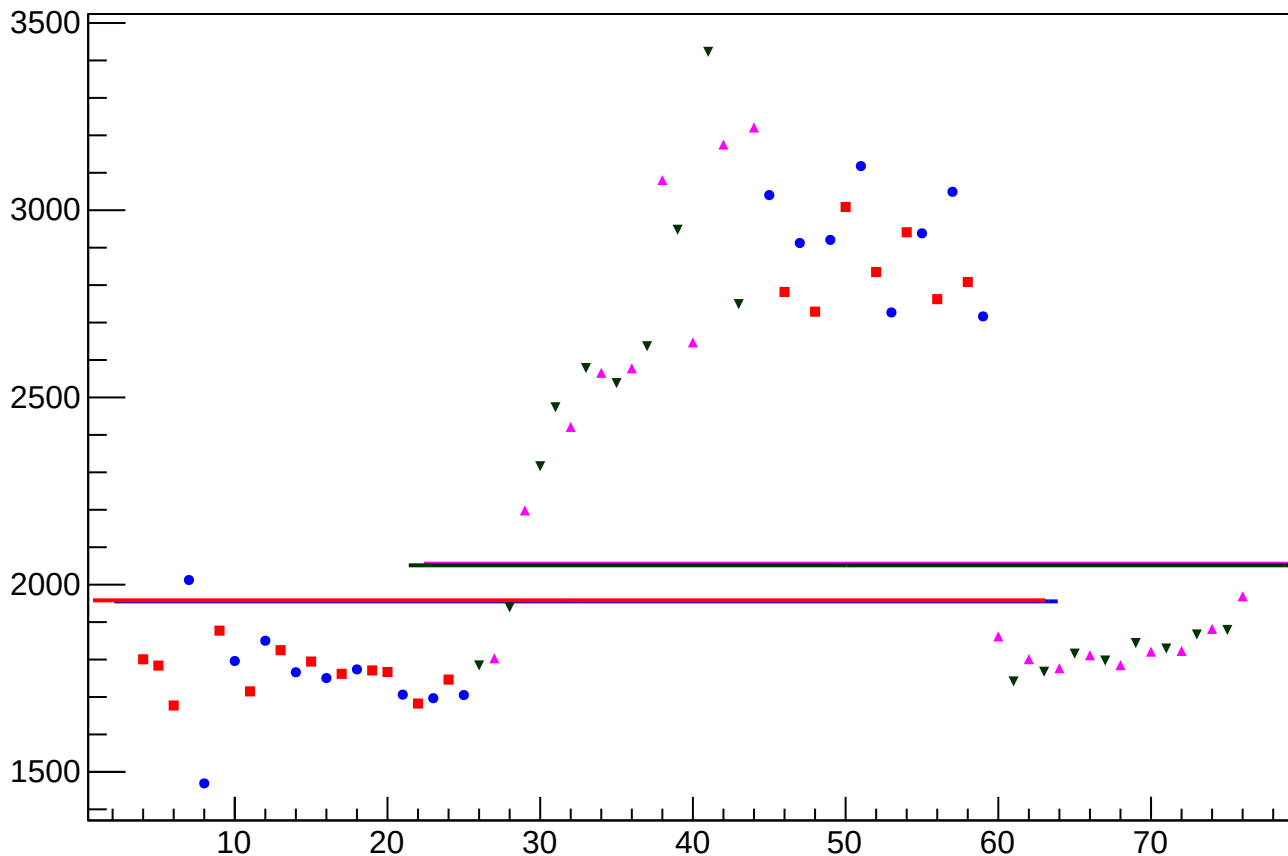
Right Out: 16.874+/-0.633 χ^2/NDF : 128.0/18

Left In: -5.012+/-0.653 χ^2/NDF : 199.0/17

11.119+/-0.451 χ^2/NDF : 1646.3/35

6.274+/-0.455 χ^2/NDF : 905.6/36

diff_bpm0l05Y_rms vs slug



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

Left Out: 2051.683+/-0.482 χ^2/NDF : 692567.2/17

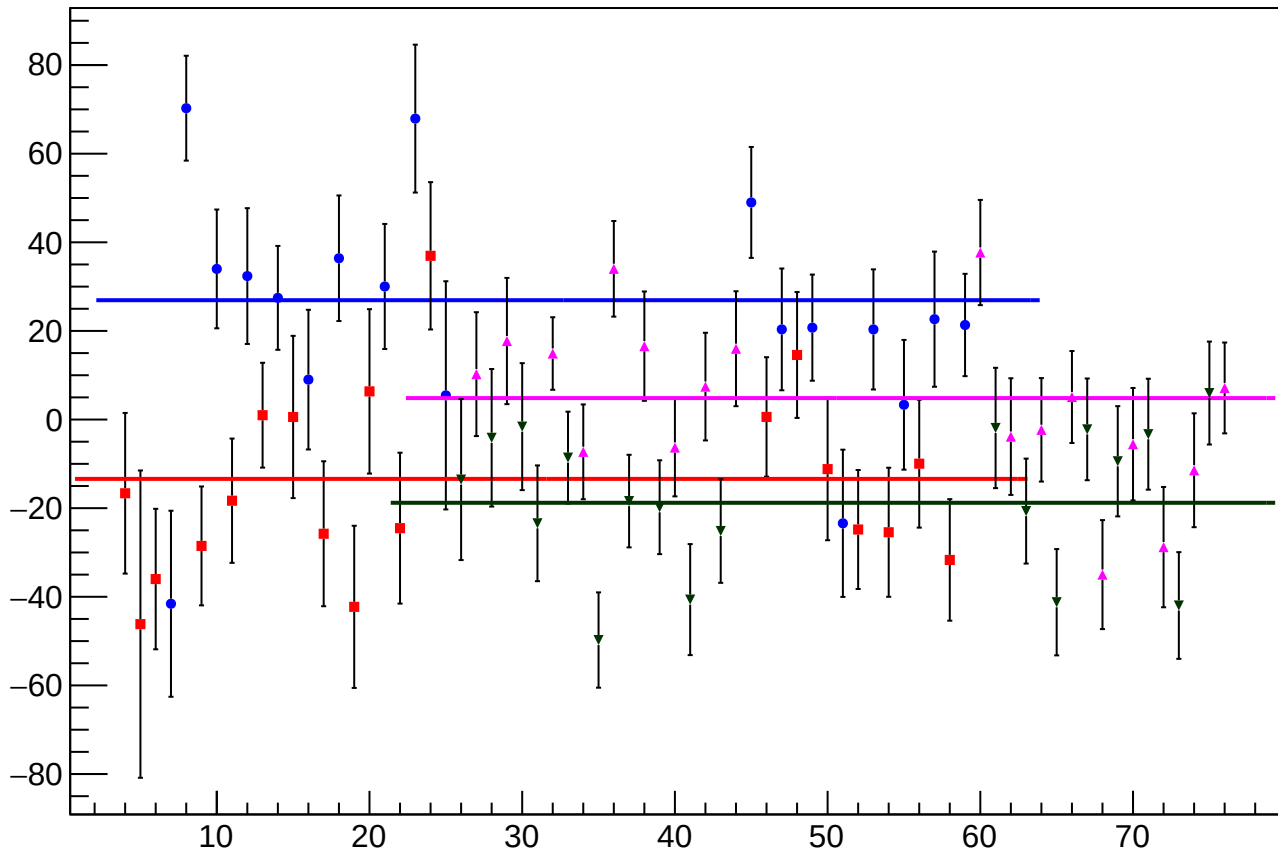
Right Out: 1958.115+/-0.448 χ^2/NDF : 858074.3/18

Left In: 2056.067+/-0.462 χ^2/NDF : 730982.5/17

1997.515+/-0.319 χ^2/NDF : 2090675.7/35

2005.553+/-0.322 χ^2/NDF : 1612234.2/36

diff_bpm0l06X_mean vs slug



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

Left Out: -18.784 ± 2.865 $\chi^2/\text{NDF}: 32.7/17$

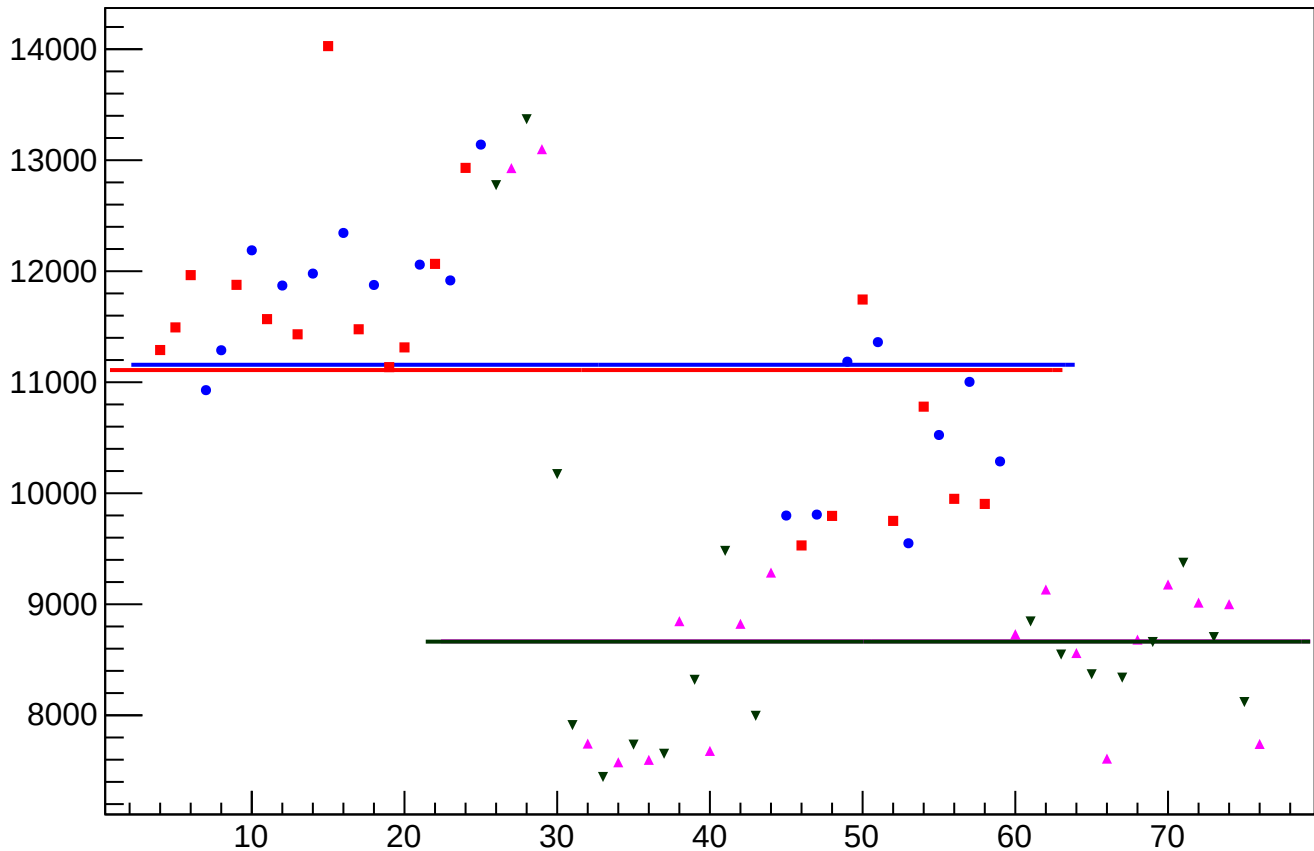
Right Out: -13.392 ± 3.535 $\chi^2/\text{NDF}: 28.4/18$

Left In: 4.845 ± 2.741 $\chi^2/\text{NDF}: 41.2/17$

0.612 ± 2.174 $\chi^2/\text{NDF}: 189.6/35$

-2.003 ± 2.166 $\chi^2/\text{NDF}: 86.2/36$

diff_bpm0l06X_rms vs slug



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

Left Out: 8663.379 $\pm$ 2.026 χ^2 /NDF:407716.8/17

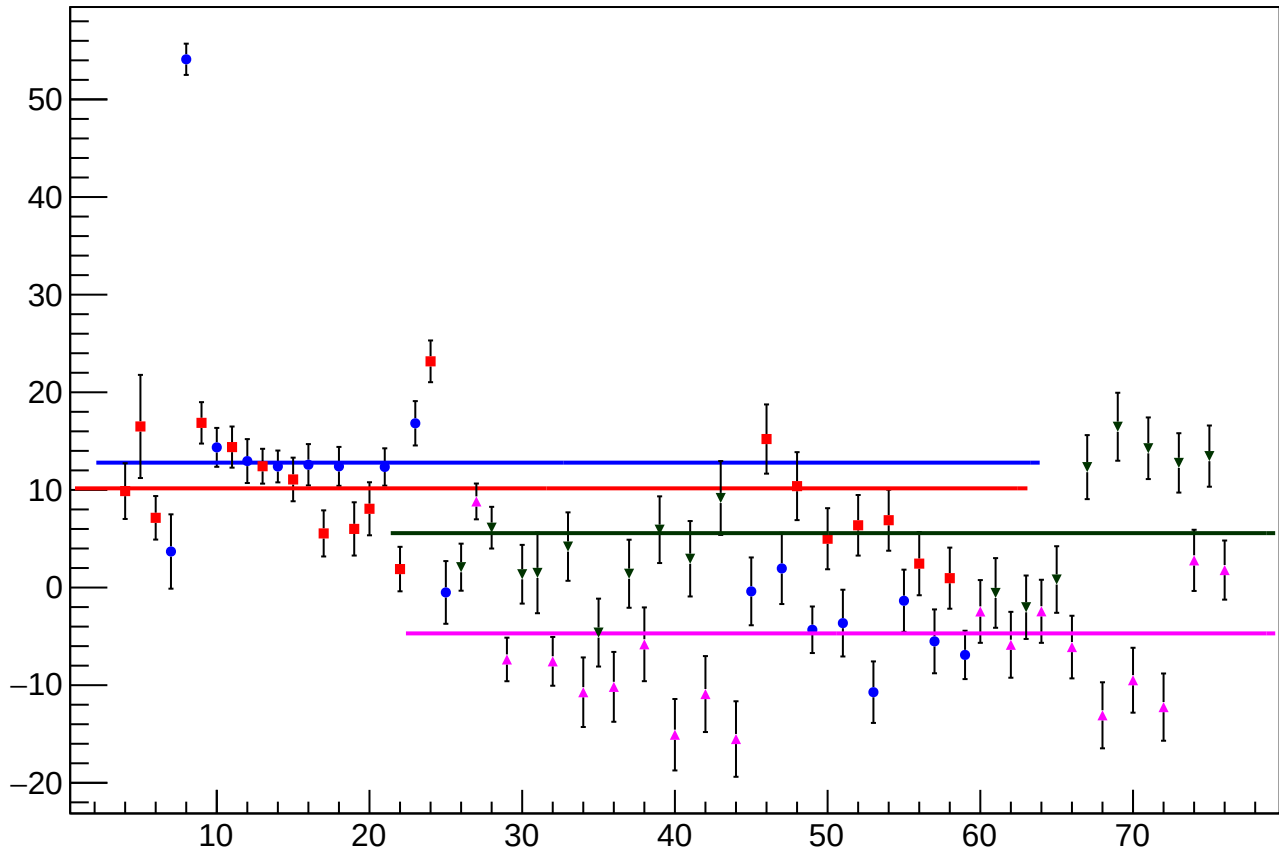
9721.549 $\pm$ 1.537 χ^2 /NDF: 1204650.4/35

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

9583.923 $\pm$ 1.532 χ^2 /NDF: 1305467.6/36

Left In: 8666.493 $\pm$ 1.938 χ^2 /NDF:512357.3/17

diff_bpm0l06Y_mean vs slug



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

Left Out: 5.574 ± 0.751 χ^2/NDF : 60.6/17

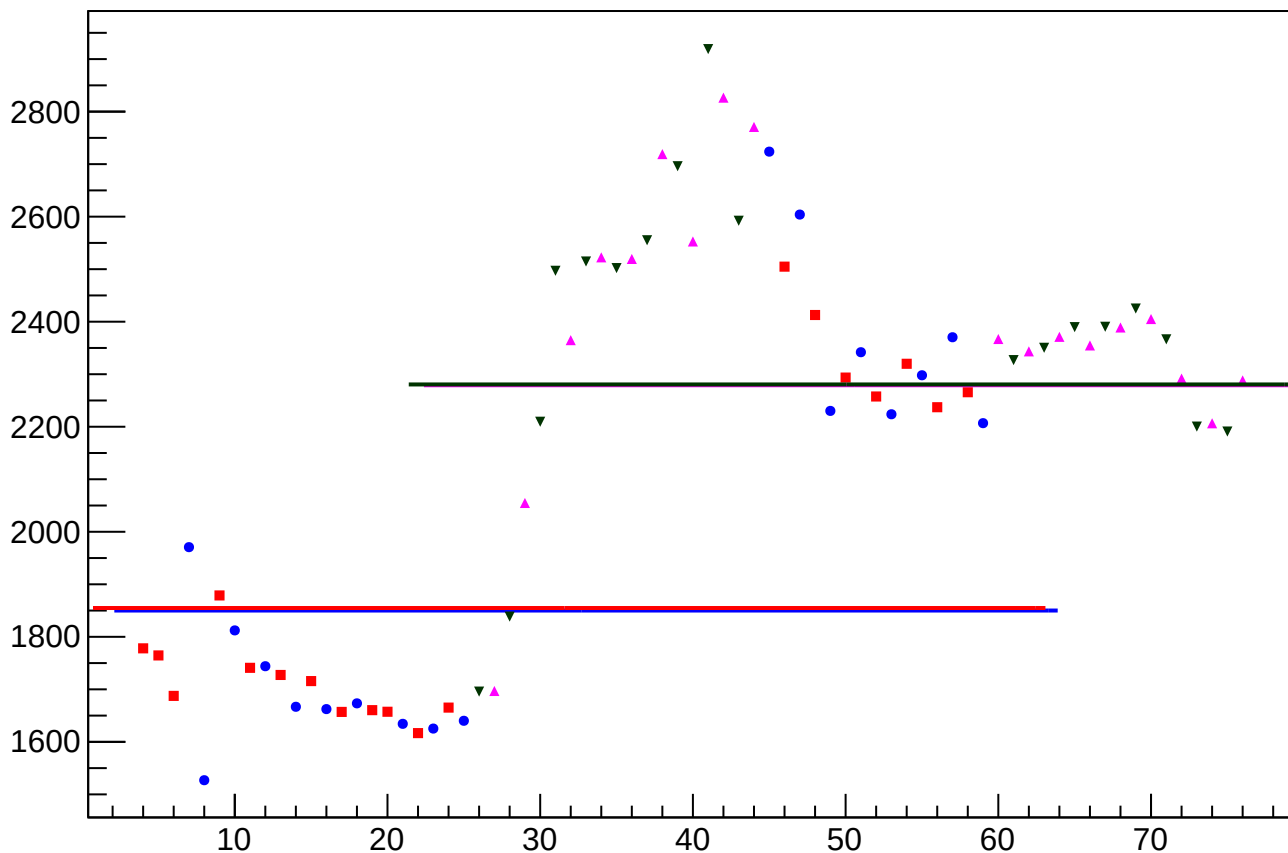
Right Out: 10.162 ± 0.592 χ^2/NDF : 97.7/18

Left In: -4.696 ± 0.717 χ^2/NDF : 105.4/17

10.219 ± 0.448 χ^2/NDF : 1081.1/35

4.137 ± 0.457 χ^2/NDF : 458.2/36

diff_bpm0l06Y_rms vs slug



Right In: 1850.054 $\pm$ 0.395 χ^2 /NDF: 663006.9/17

Left Out: 2280.518 $\pm$ 0.531 χ^2 /NDF:350835.4/17

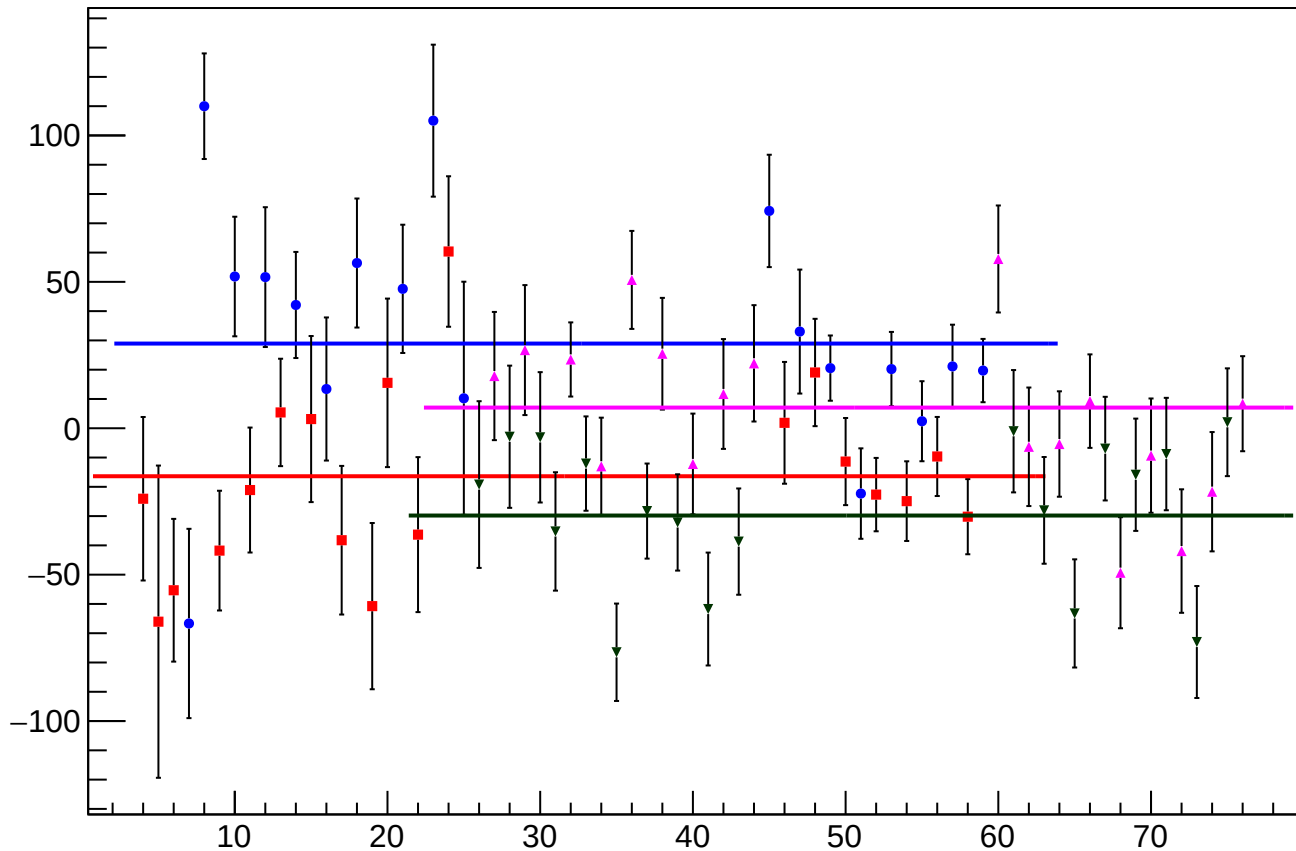
Right Out: 1854.854 $\pm$ 0.419 χ^2 /NDF: 407929.4/18

Left In: 2278.933 $\pm$ 0.507 χ^2 /NDF:364030.2/17

2003.606 $\pm$ 0.317 χ^2 /NDF: 1436935.9/35

2026.822 $\pm$ 0.323 χ^2 /NDF: 1187689.0/36

diff_bpm0l07X_mean vs slug



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

Left Out: -29.806 ± 4.444 $\chi^2/\text{NDF}: 31.7/17$

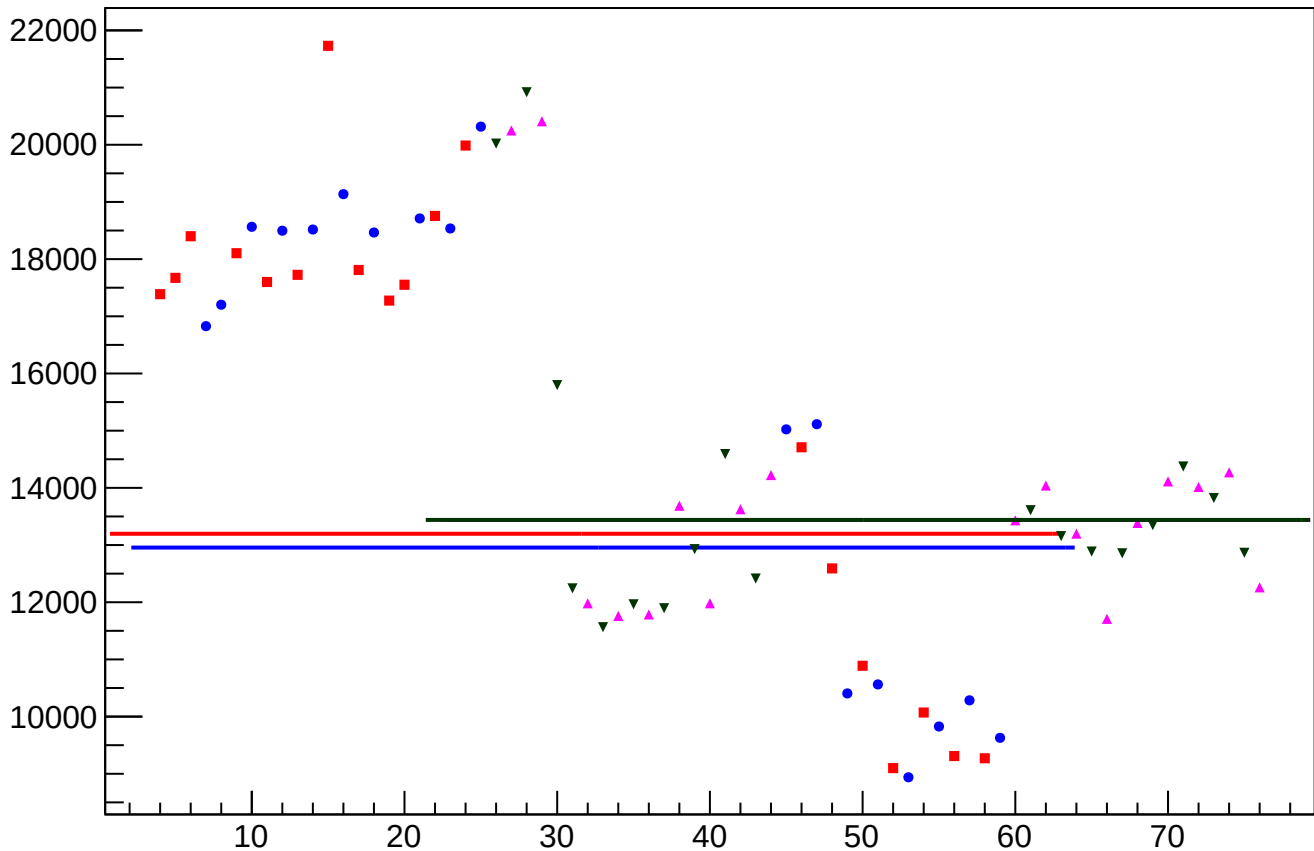
Right Out: -16.388 ± 4.377 $\chi^2/\text{NDF}: 27.5/18$

Left In: 7.061 ± 4.250 $\chi^2/\text{NDF}: 39.4/17$

2.386 ± 2.987 $\chi^2/\text{NDF}: 193.0/35$

-4.319 ± 3.049 $\chi^2/\text{NDF}: 81.7/36$

diff_bpm0l07X_rms vs slug



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

Left Out: 13439.345 $\pm$ 3.143 χ^2 /NDF: 414551.9/17

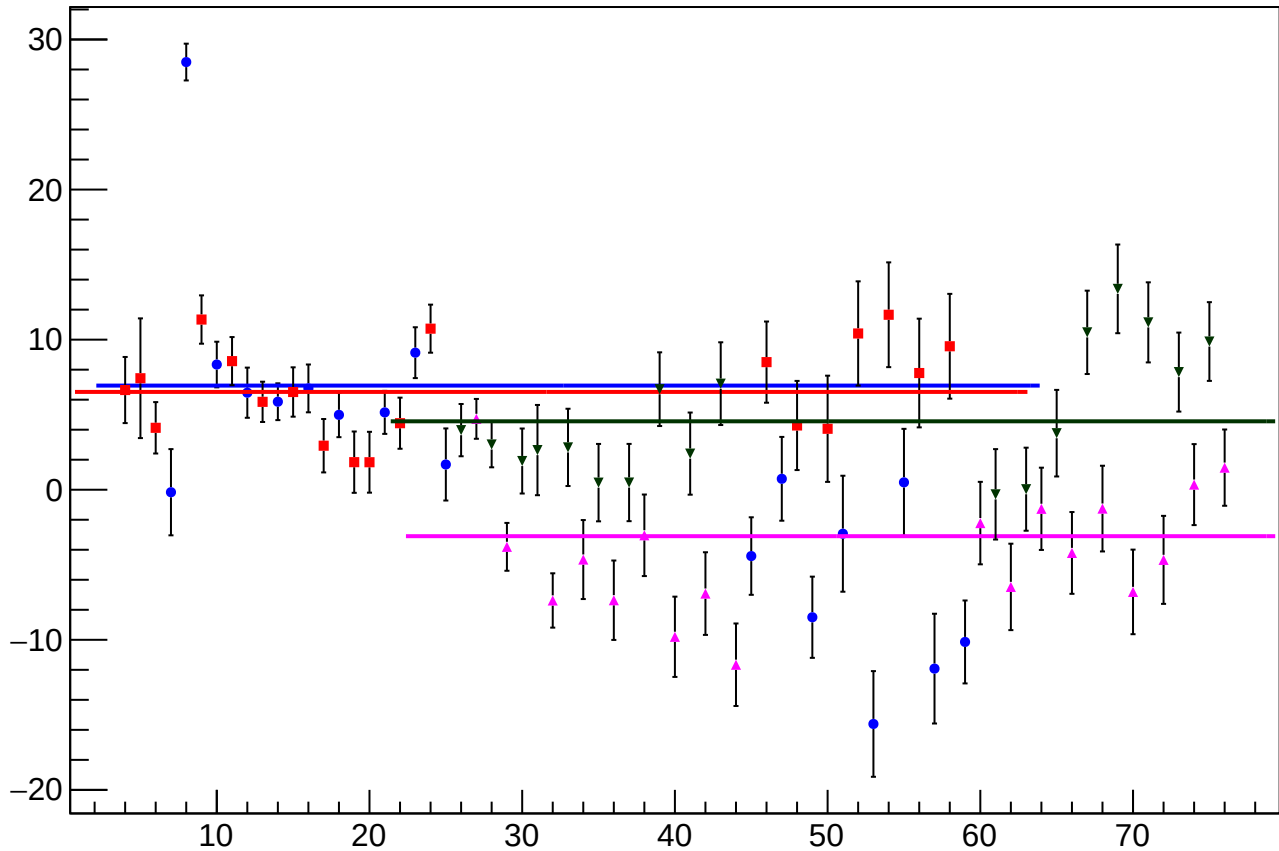
13174.355 $\pm$ 2.112 χ^2 /NDF: 2328158.0/35

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

13321.054 $\pm$ 2.156 χ^2 /NDF: 2289594.0/36

Left In: 13437.851 $\pm$ 3.005 χ^2 /NDF: 518729.3/17

diff_bpm0l07Y_mean vs slug



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

Left Out: 4.559 ± 0.577 χ^2/NDF : 41.3/17

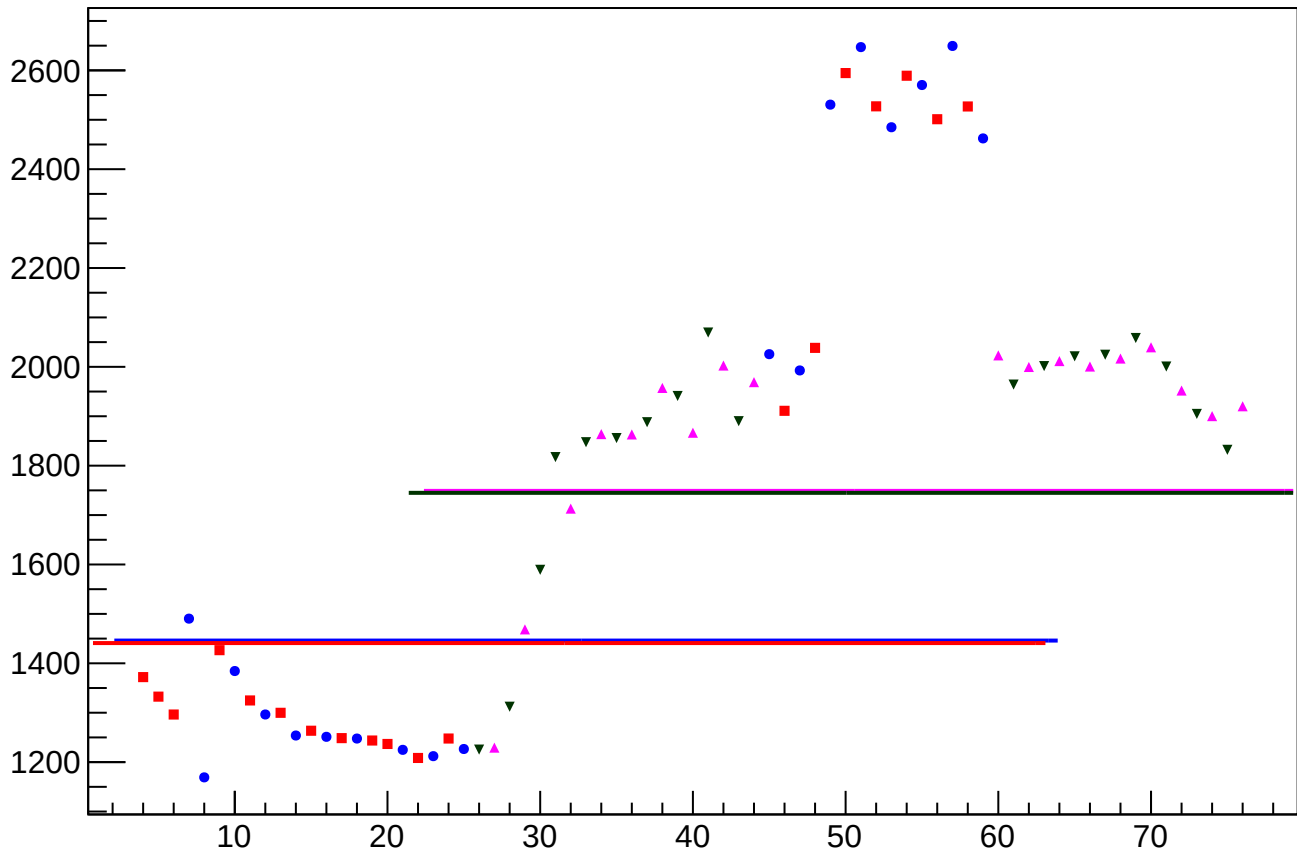
Right Out: 6.517 ± 0.472 χ^2/NDF : 41.8/18

Left In: -3.095 ± 0.553 χ^2/NDF : 70.7/17

6.040 ± 0.355 χ^2/NDF : 551.5/35

2.470 ± 0.359 χ^2/NDF : 287.5/36

diff_bpm0l07Y_rms vs slug



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

Left Out: 1745.001+/-0.408 χ^2/NDF : 527391.6/17

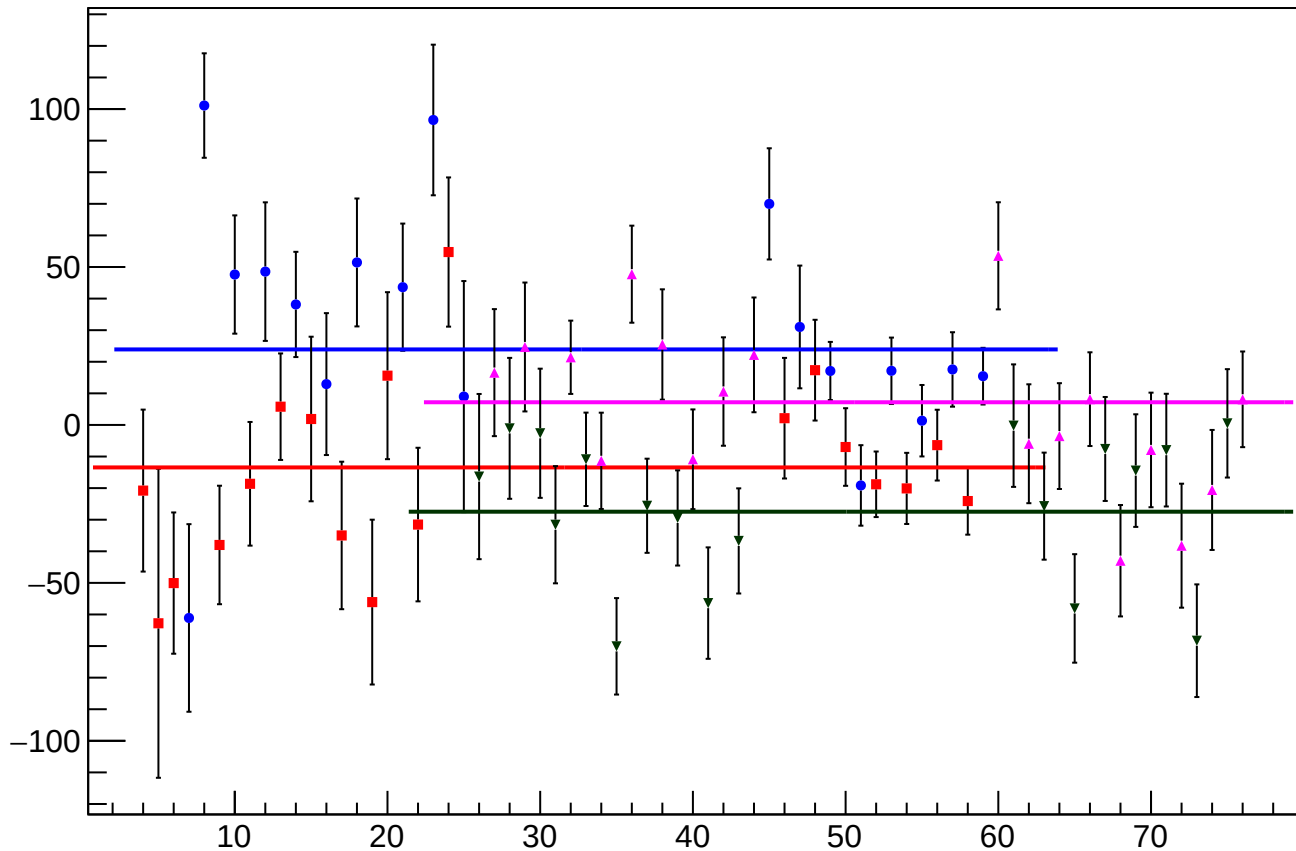
1558.959+/-0.251 χ^2/NDF : 2752967.2/35

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

1570.655+/-0.254 χ^2/NDF : 2248661.3/36

Left In: 1748.951+/-0.391 χ^2/NDF : 556246.3/17

diff_bpm0l08X_mean vs slug



Right In: 23.908 ± 3.470 χ^2/NDF : 70.6/17

Left Out: -27.466 ± 4.102 χ^2/NDF : 31.4/17

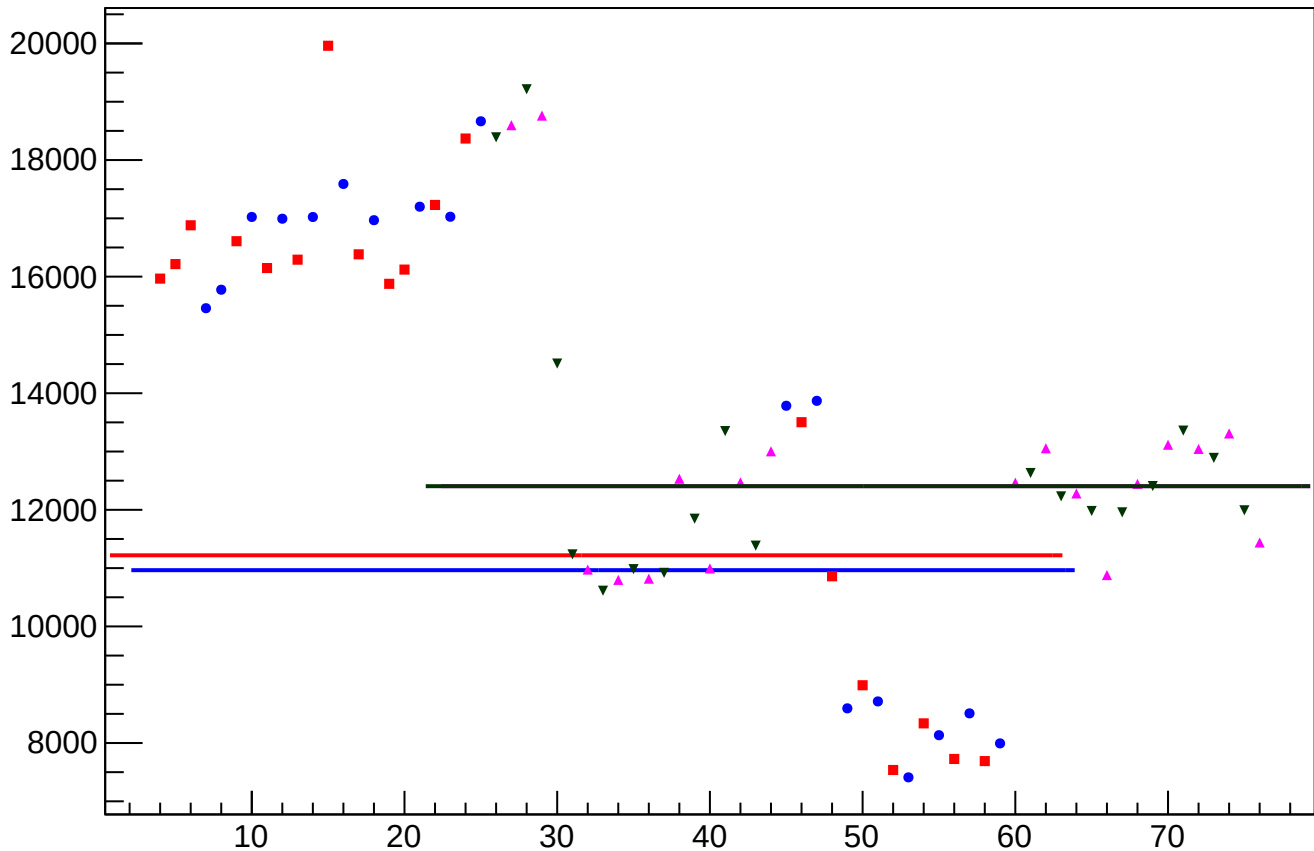
Right Out: -13.450 ± 3.783 χ^2/NDF : 27.5/18

Left In: 7.181 ± 3.924 χ^2/NDF : 38.7/17

2.482 ± 2.649 χ^2/NDF : 193.5/35

-3.510 ± 2.723 χ^2/NDF : 80.5/36

diff_bpm0l08X_rms vs slug



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

Left Out: 12405.382+/-2.901 χ^2/NDF :414425.1/17

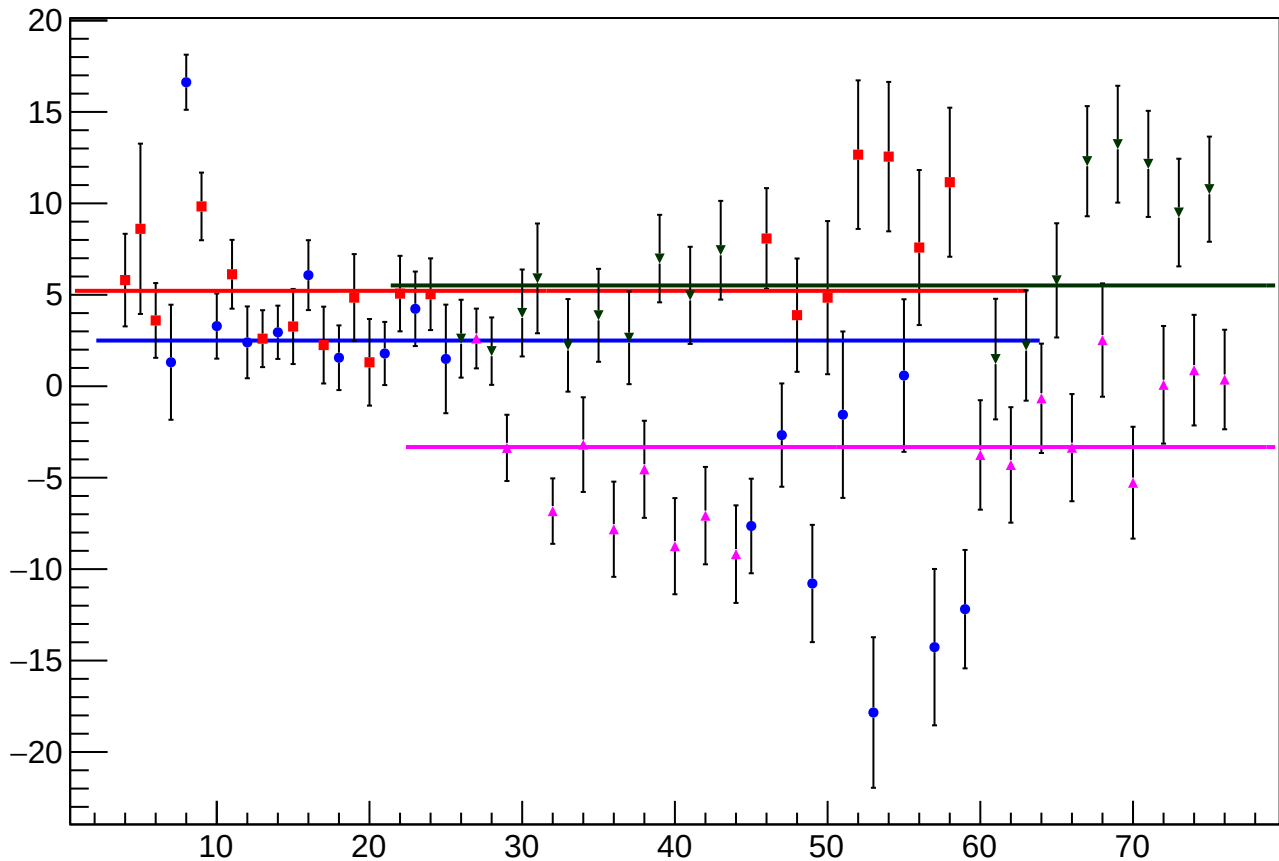
11565.580+/-1.873 χ^2/NDF : 3109043.7/35

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

11791.445+/-1.926 χ^2/NDF : 2956266.9/36

Left In: 12406.148+/-2.774 χ^2/NDF :517588.4/17

diff_bpm0l08Y_mean vs slug



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

Left Out: 5.512 ± 0.621 χ^2/NDF : 34.4/17

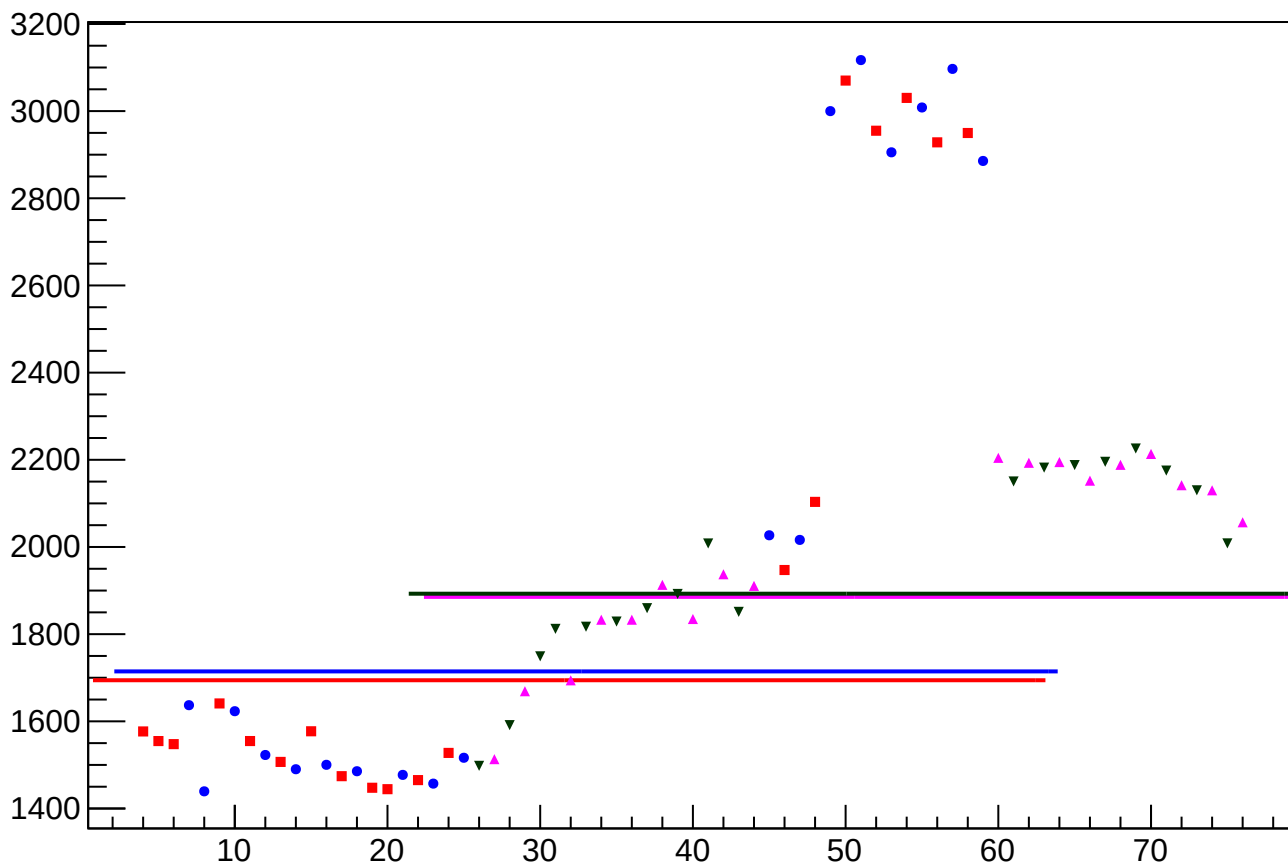
Right Out: 5.218 ± 0.553 χ^2/NDF : 26.5/18

Left In: -3.325 ± 0.592 χ^2/NDF : 41.0/17

3.769 ± 0.403 χ^2/NDF : 238.4/35

1.242 ± 0.404 χ^2/NDF : 178.7/36

diff_bpm0l08Y_rms vs slug



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

Left Out: 1892.792+/-0.439 χ^2/NDF : 264336.8/17

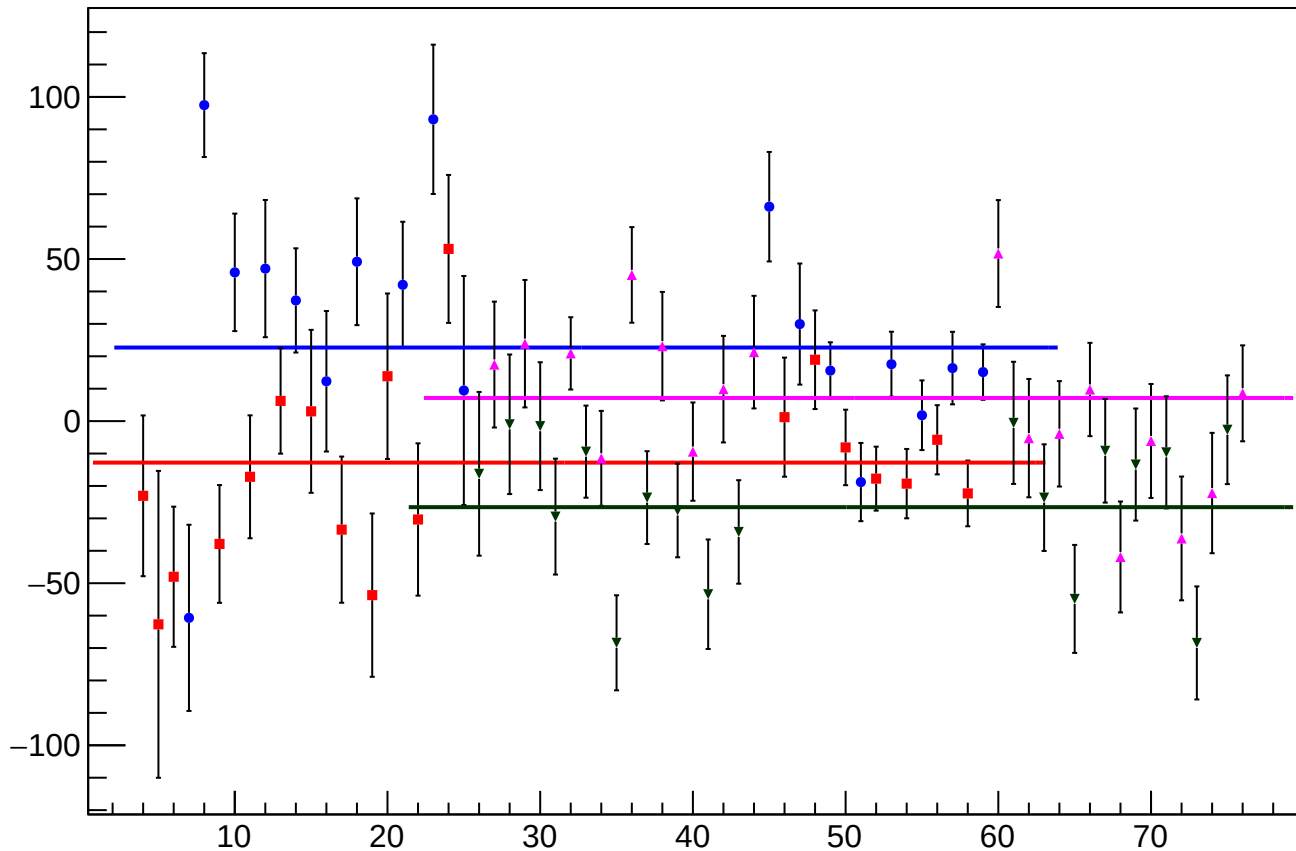
Right Out: 1694.263+/-0.391 χ^2/NDF : 1202765.8/18

Left In: 1885.540+/-0.419 χ^2/NDF : 314185.2/17

1789.666+/-0.285 χ^2/NDF : 2030356.0/35

1783.278+/-0.286 χ^2/NDF : 1628389.7/36

diff_bpm0l09X_mean vs slug



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

Left Out: -26.542 ± 3.962 $\chi^2/\text{NDF}: 31.0/17$

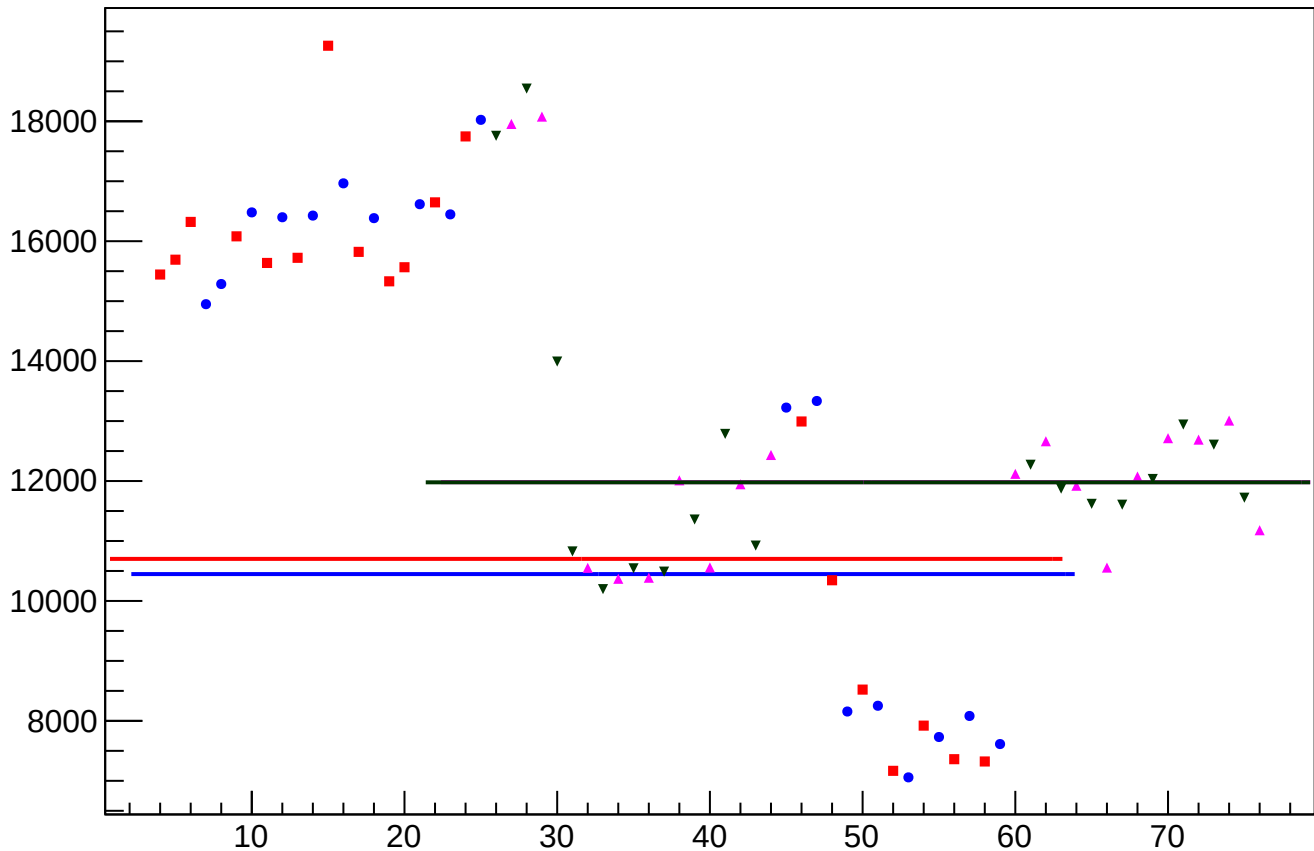
Right Out: -12.799 ± 3.618 $\chi^2/\text{NDF}: 28.2/18$

Left In: 7.147 ± 3.790 $\chi^2/\text{NDF}: 38.3/17$

2.421 ± 2.542 $\chi^2/\text{NDF}: 192.8/35$

-3.287 ± 2.617 $\chi^2/\text{NDF}: 80.9/36$

diff_bpm0l09X_rms vs slug



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

Left Out: 11978.477+/-2.801 χ^2/NDF : 421135.2/17

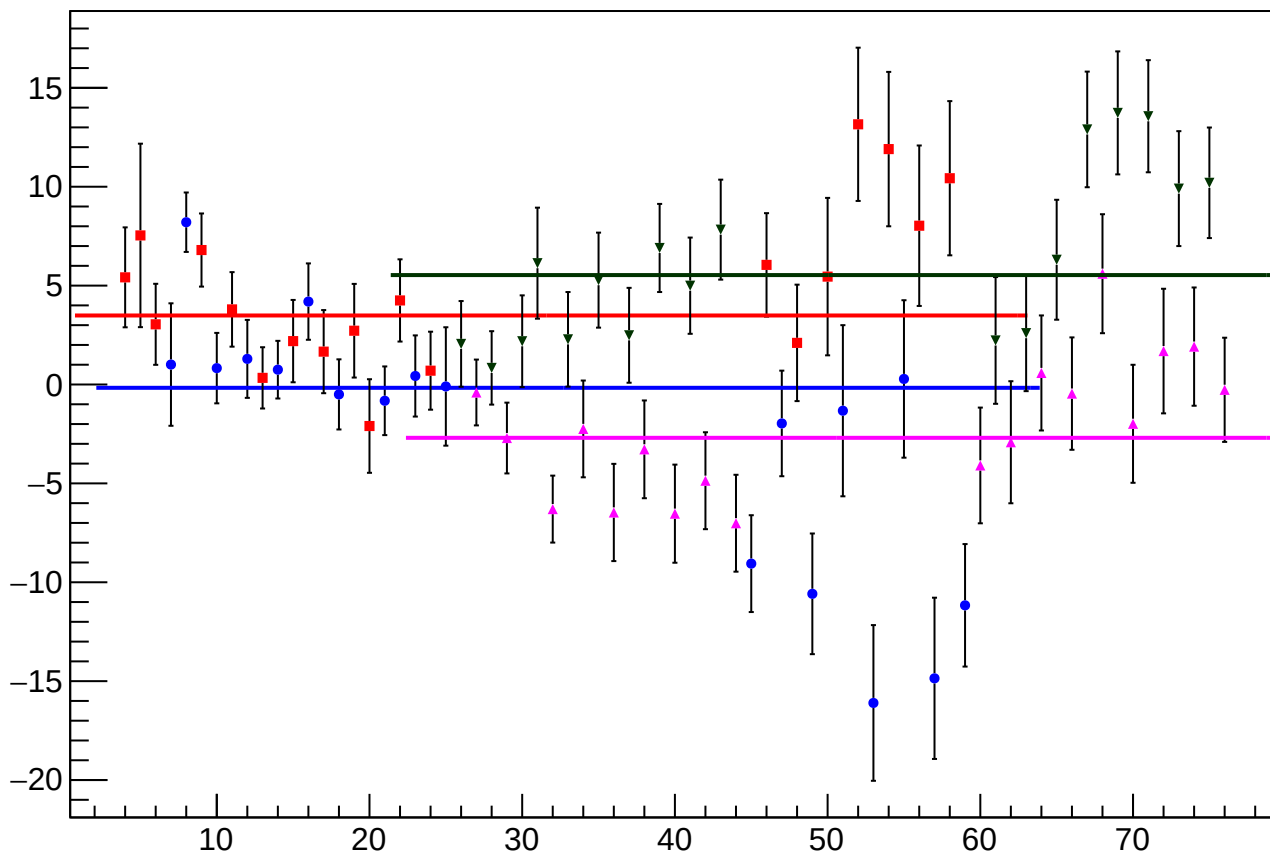
11078.339+/-1.798 χ^2/NDF : 3251315.2/35

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

11311.871+/-1.850 χ^2/NDF : 3079873.2/36

Left In: 11981.475+/-2.680 χ^2/NDF : 522011.2/17

diff_bpm0l09Y_mean vs slug



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

Left Out: 5.533 ± 0.600 $\chi^2/\text{NDF}: 44.3/17$

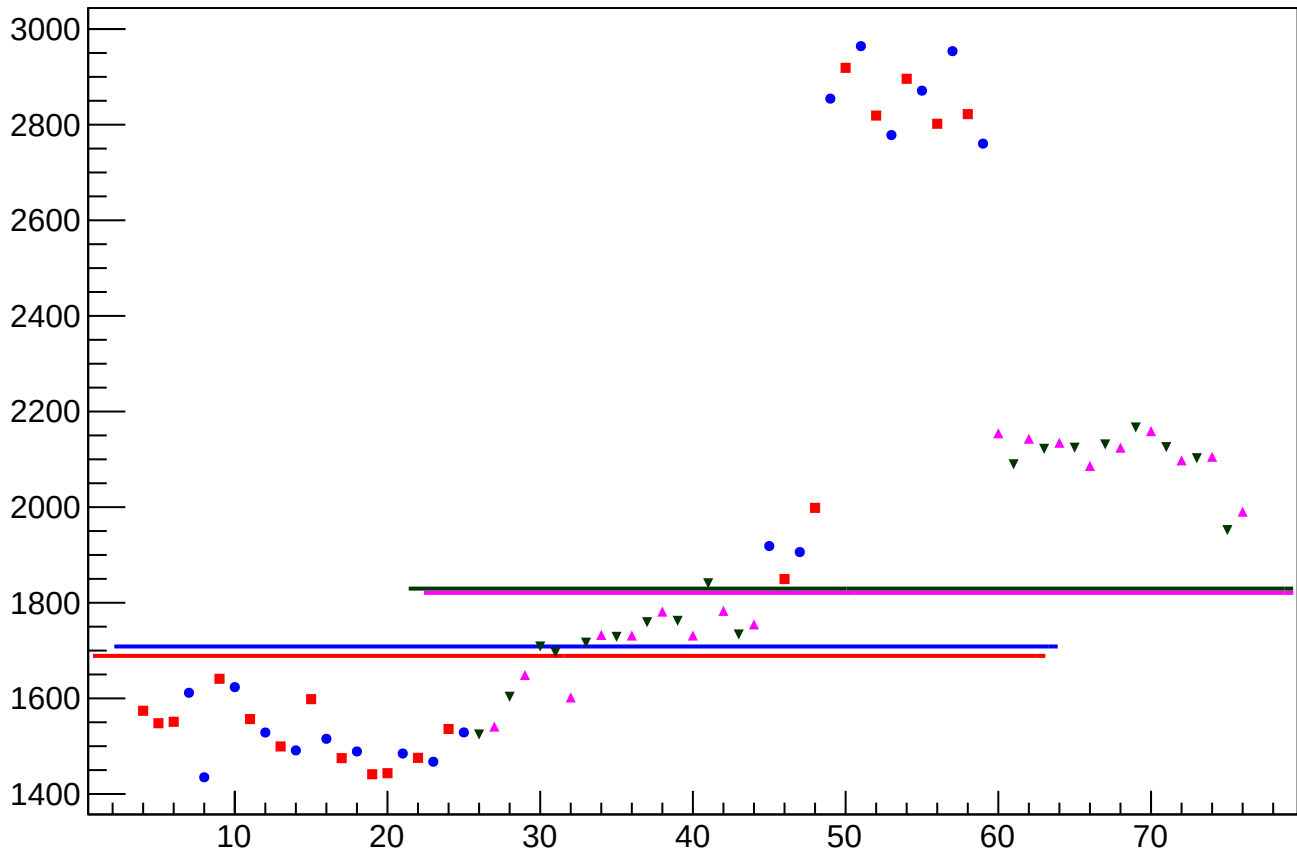
Right Out: 3.490 ± 0.549 $\chi^2/\text{NDF}: 34.4/18$

Left In: -2.696 ± 0.572 $\chi^2/\text{NDF}: 30.1/17$

2.309 ± 0.395 $\chi^2/\text{NDF}: 200.6/35$

0.523 ± 0.396 $\chi^2/\text{NDF}: 125.5/36$

diff_bpm0l09Y_rms vs slug



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

Left Out: 1829.595+/-0.424 χ^2/NDF : 233790.1/17

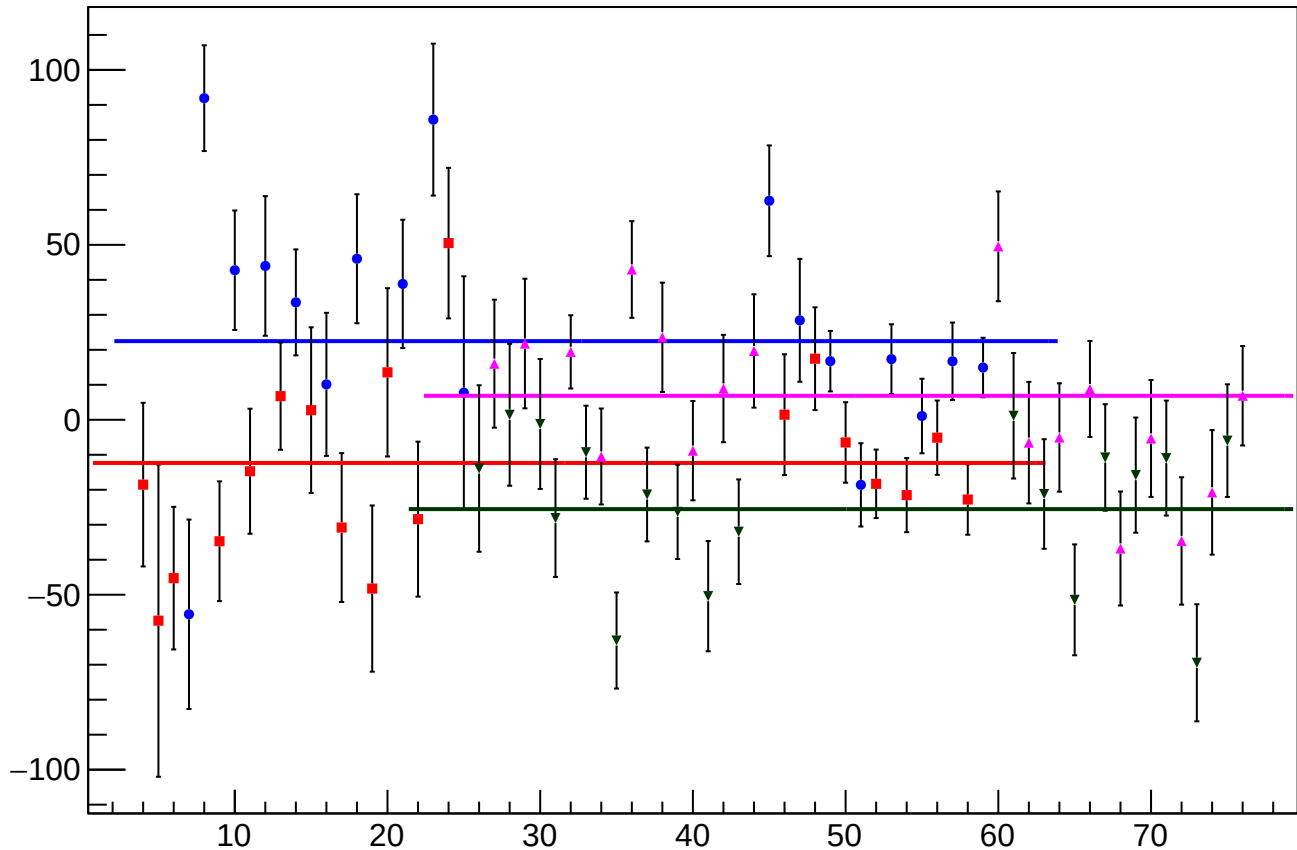
1761.137+/-0.280 χ^2/NDF : 1744429.7/35

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

1752.139+/-0.280 χ^2/NDF : 1409226.9/36

Left In: 1820.768+/-0.404 χ^2/NDF : 295247.4/17

diff_bpm0l10X_mean vs slug



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

Left Out: -25.532 ± 3.741 χ^2/NDF : 30.9/17

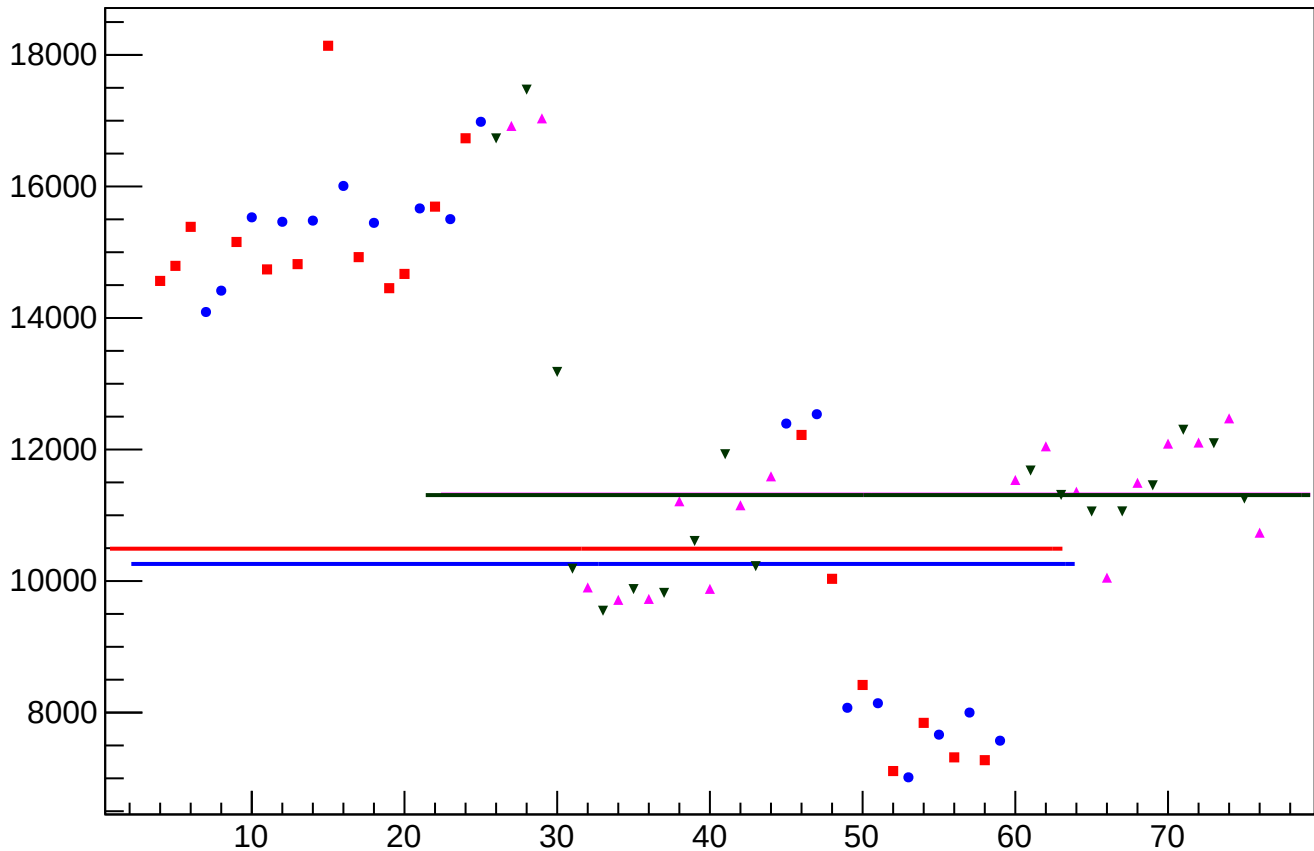
Right Out: -12.340 ± 3.516 χ^2/NDF : 28.3/18

Left In: 6.856 ± 3.579 χ^2/NDF : 37.7/17

1.988 ± 2.444 χ^2/NDF : 193.6/35

-2.912 ± 2.508 χ^2/NDF : 80.7/36

diff_bpm0l10X_rms vs slug



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

Left Out: 11307.171+/-2.645 χ^2/NDF : 431922.8/17

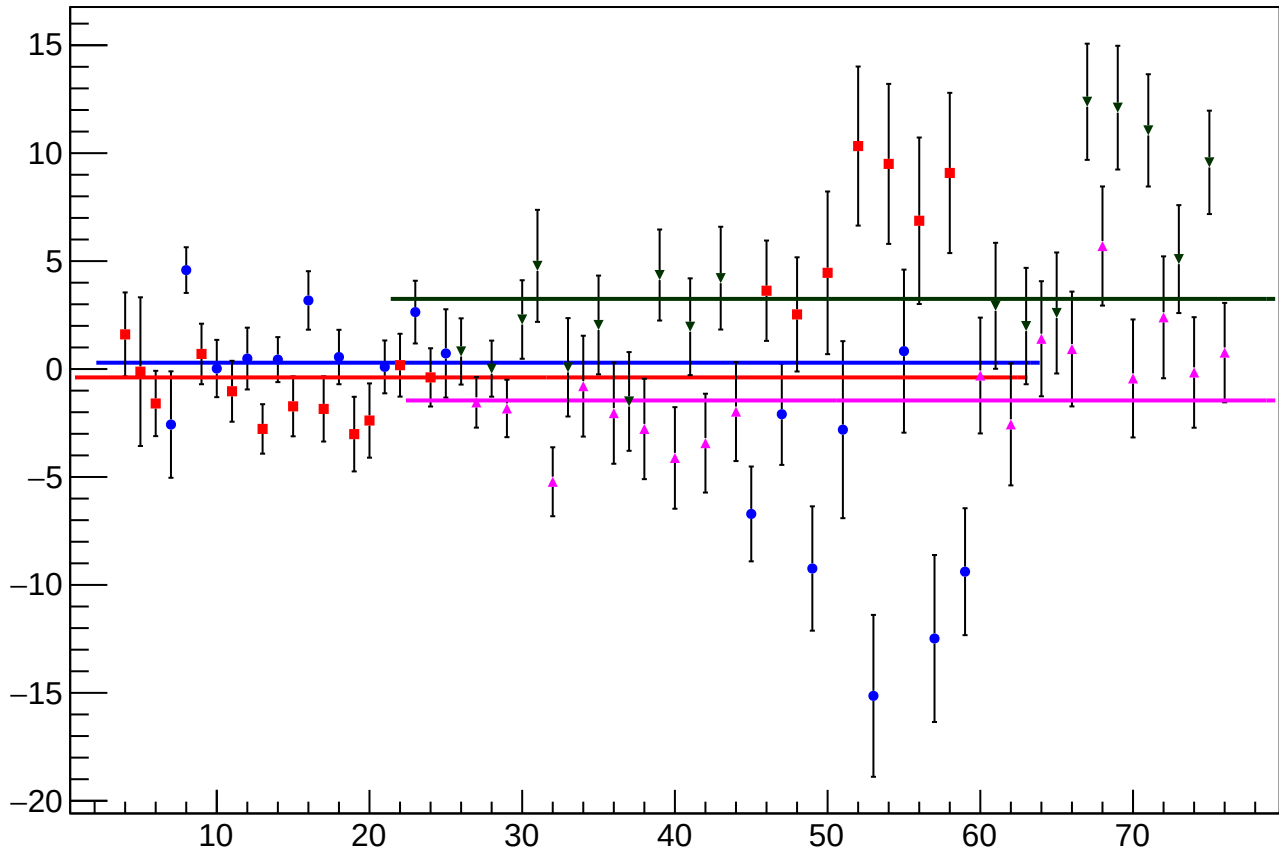
10707.020+/-1.728 χ^2/NDF : 2841734.9/35

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

10896.013+/-1.774 χ^2/NDF : 2723520.7/36

Left In: 11314.512+/-2.531 χ^2/NDF : 530925.0/17

diff_bpm0l10Y_mean vs slug



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

Left Out: 3.249 ± 0.515 χ^2/NDF : 54.5/17

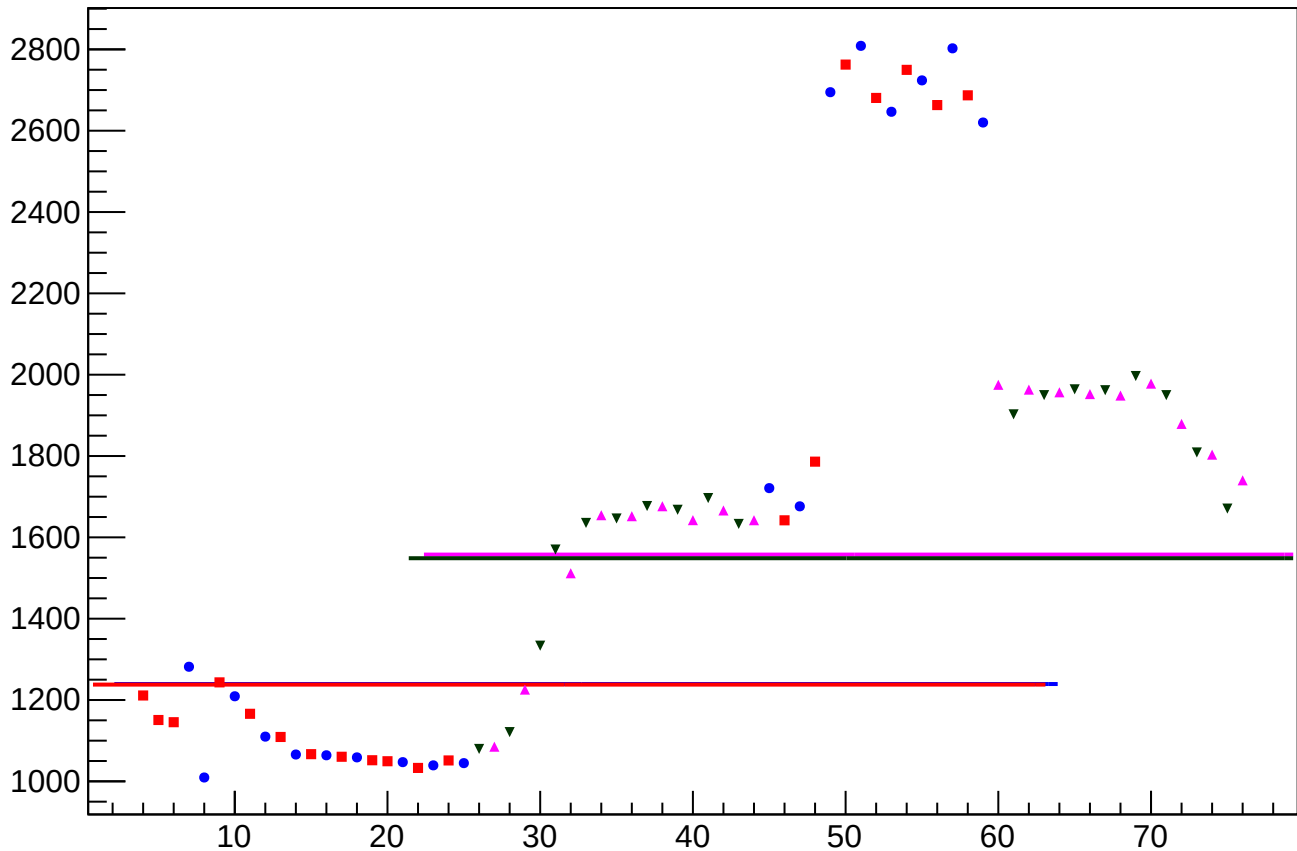
Right Out: -0.388 ± 0.412 χ^2/NDF : 44.0/18

Left In: -1.455 ± 0.495 χ^2/NDF : 20.4/17

1.380 ± 0.312 χ^2/NDF : 161.9/35

-0.824 ± 0.317 χ^2/NDF : 67.1/36

diff_bpm0l10Y_rms vs slug



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

Left Out: 1548.662+/-0.364 χ^2/NDF : 750348.9/17

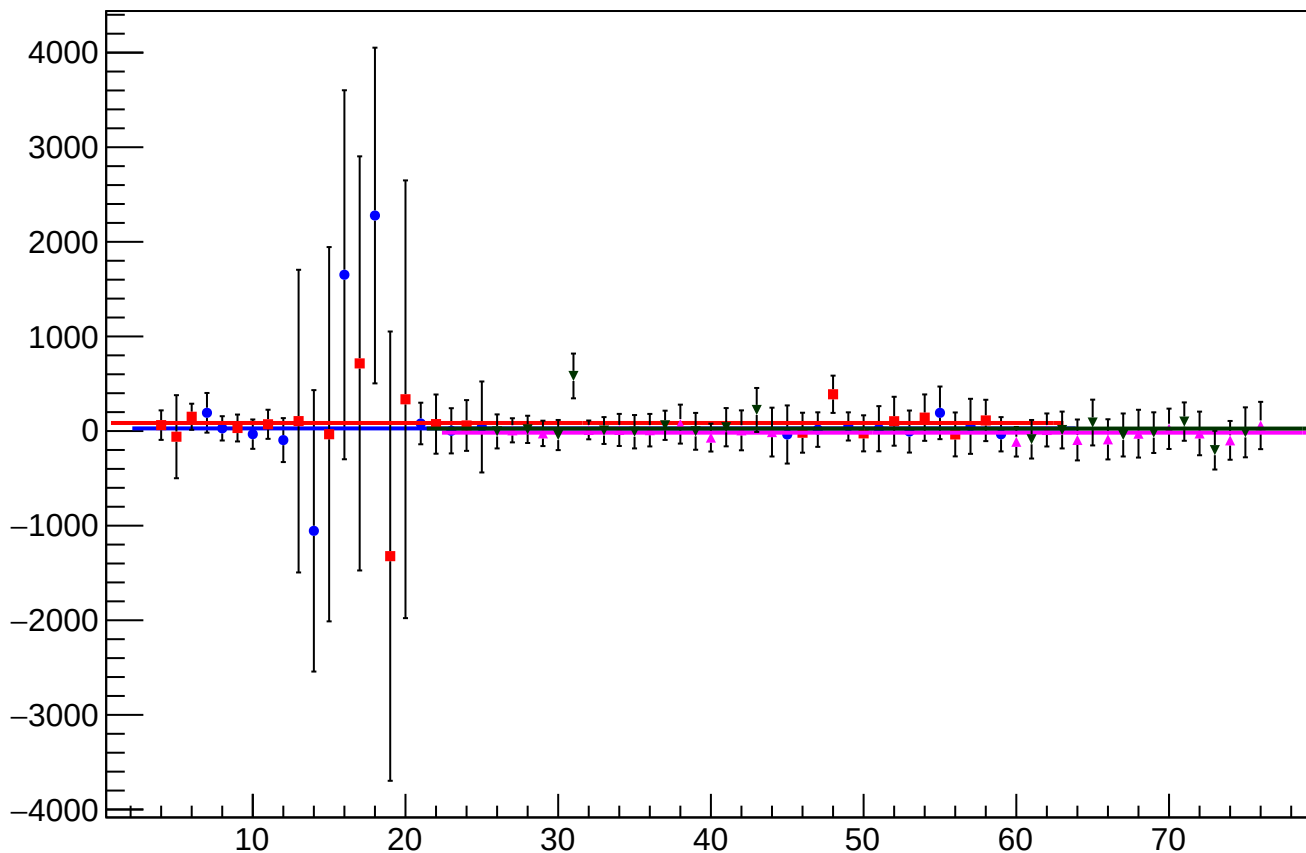
Right Out: 1237.907+/-0.291 χ^2/NDF : 1914347.8/18

Left In: 1557.588+/-0.350 χ^2/NDF : 796098.0/17

1353.036+/-0.221 χ^2/NDF : 3882085.4/35

1368.567+/-0.224 χ^2/NDF : 3202980.2/36

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs slug



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

Left Out: 26.233 $\pm$ 44.700 χ^2 /NDF:8.5/17

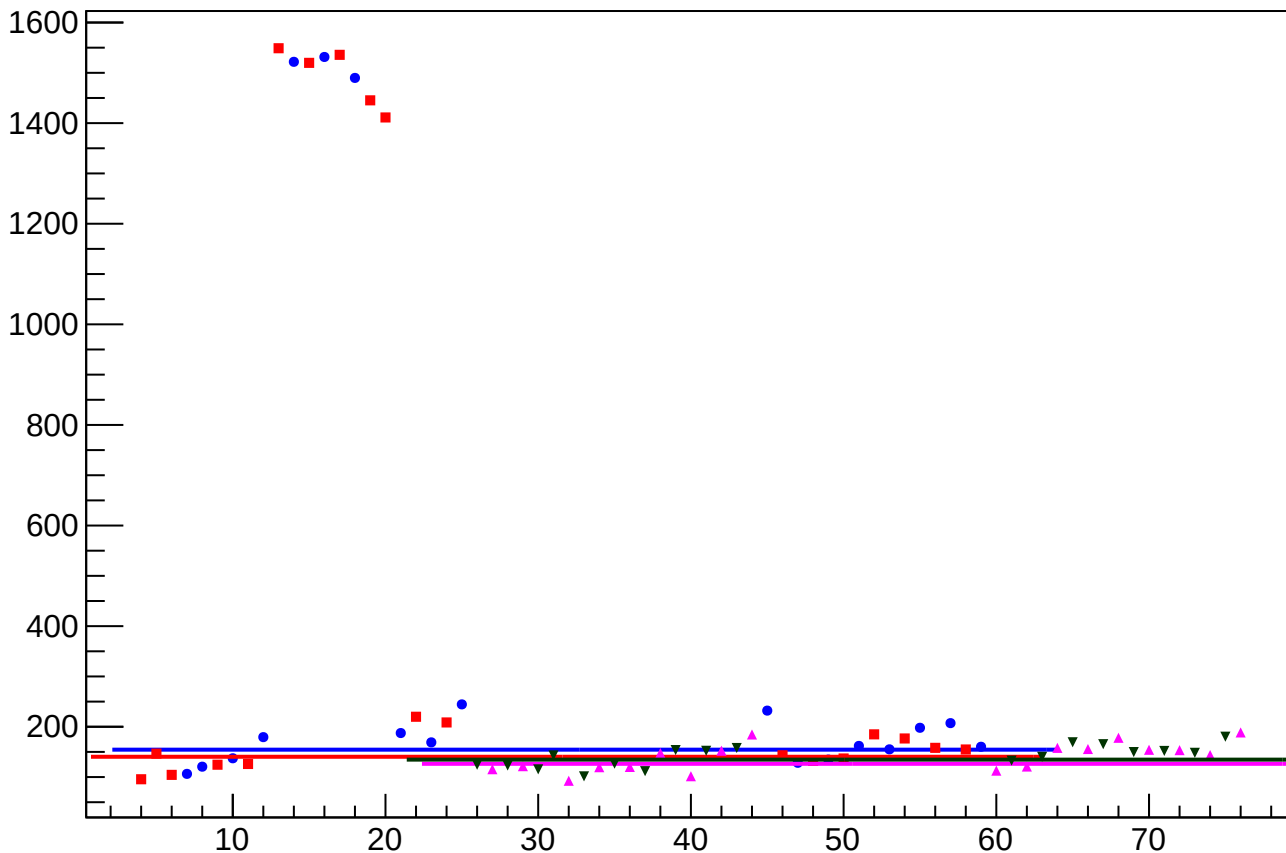
Right Out: 85.325 $\pm$ 52.506 χ^2 /NDF: 4.3/18

Left In: -17.138 $\pm$ 40.560 χ^2 /NDF:1.4/17

26.926 $\pm$ 33.979 χ^2 /NDF: 13.0/35

21.155 $\pm$ 32.098 χ^2 /NDF: 8.1/36

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs slug



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

Left Out: 134.649+/-0.032 χ^2/NDF : 435397.7/17

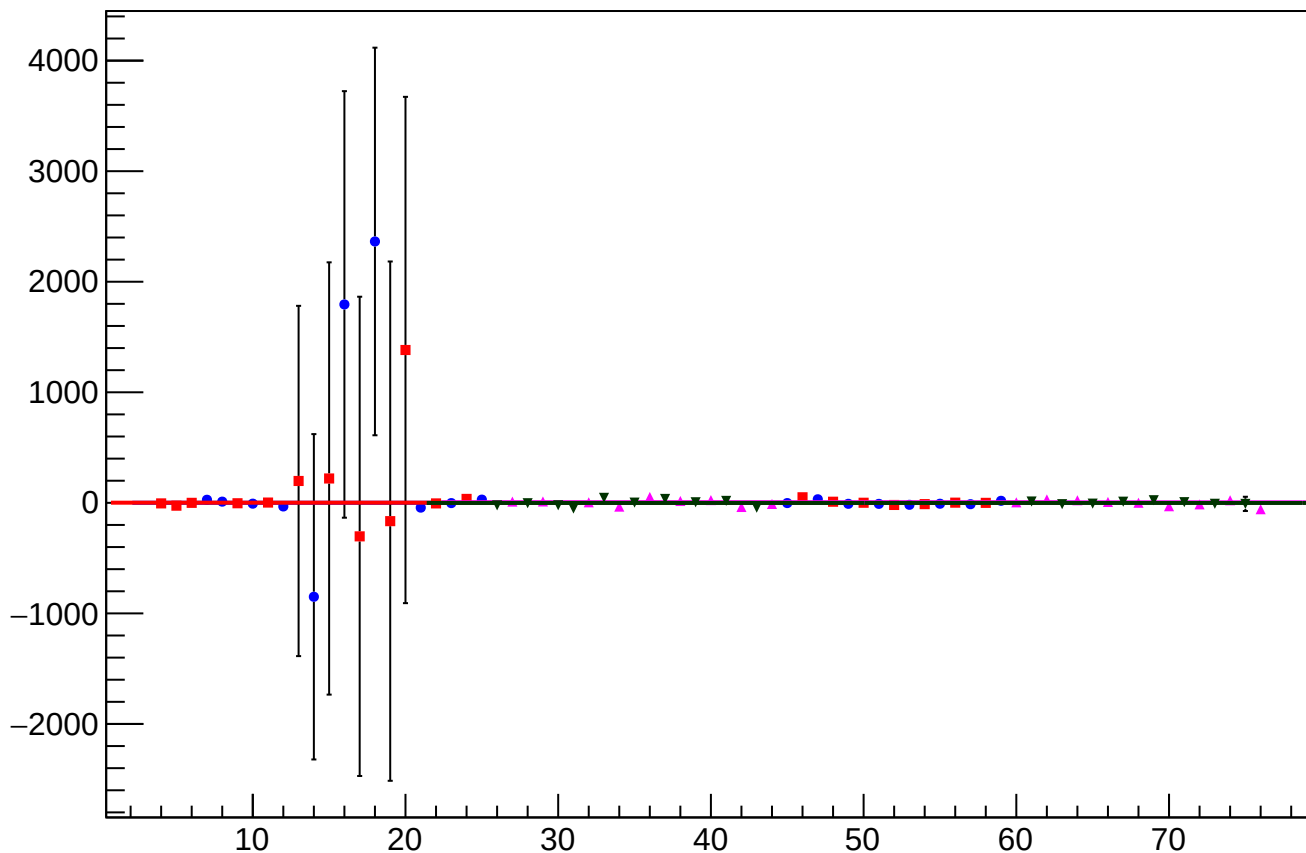
143.009+/-0.024 χ^2/NDF : 5157842.2/35

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

131.566+/-0.023 χ^2/NDF : 6209929.7/36

Left In: 126.326+/-0.029 χ^2/NDF : 846579.7/17

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs slug



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

Left Out: -1.061+/-5.704 χ^2/NDF :16.3/17

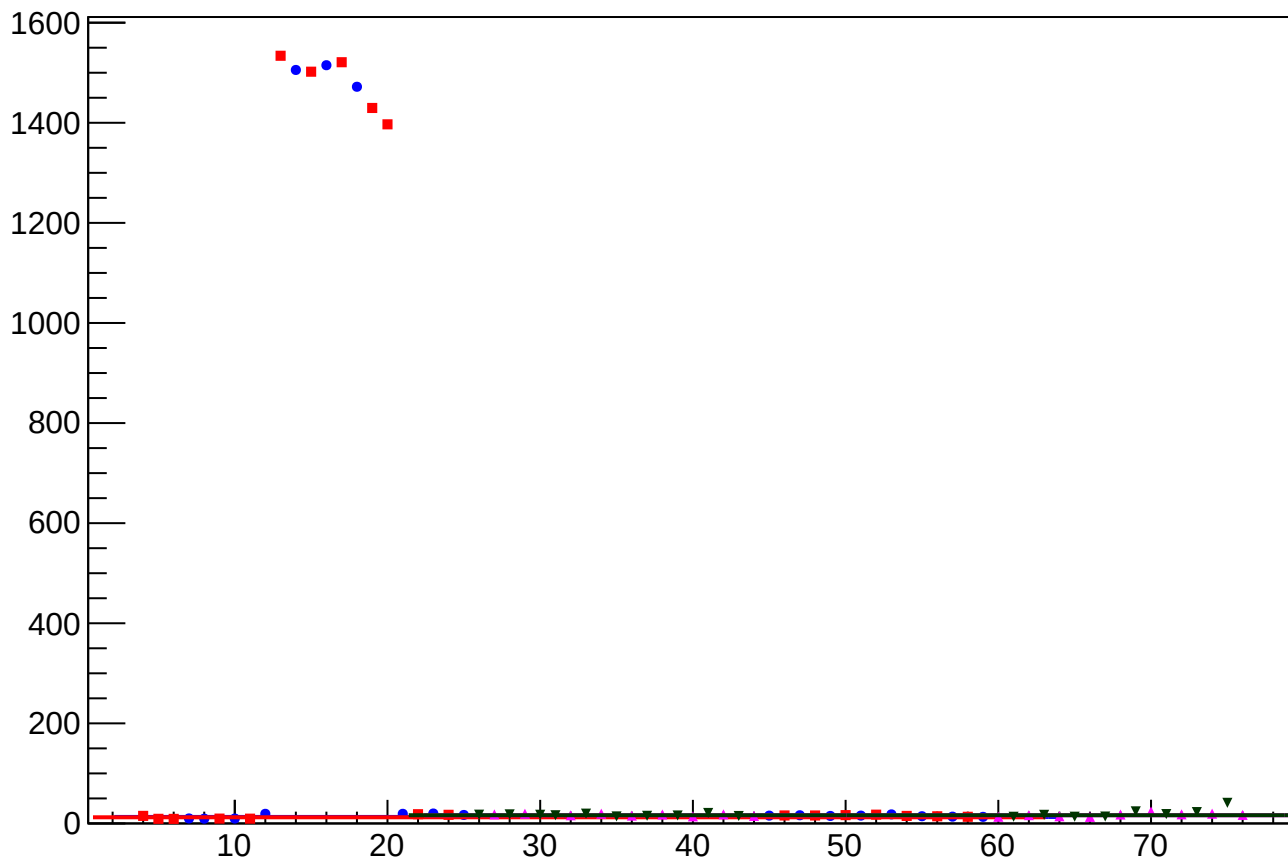
Right Out: 1.382+/-4.789 χ^2/NDF : 9.5/18

Left In: 5.045+/-5.385 χ^2/NDF :20.9/17

-0.068+/-3.587 χ^2/NDF : 32.9/35

2.999+/-3.578 χ^2/NDF : 30.6/36

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: 16.468+/-0.004 χ^2/NDF : 724690.9/17

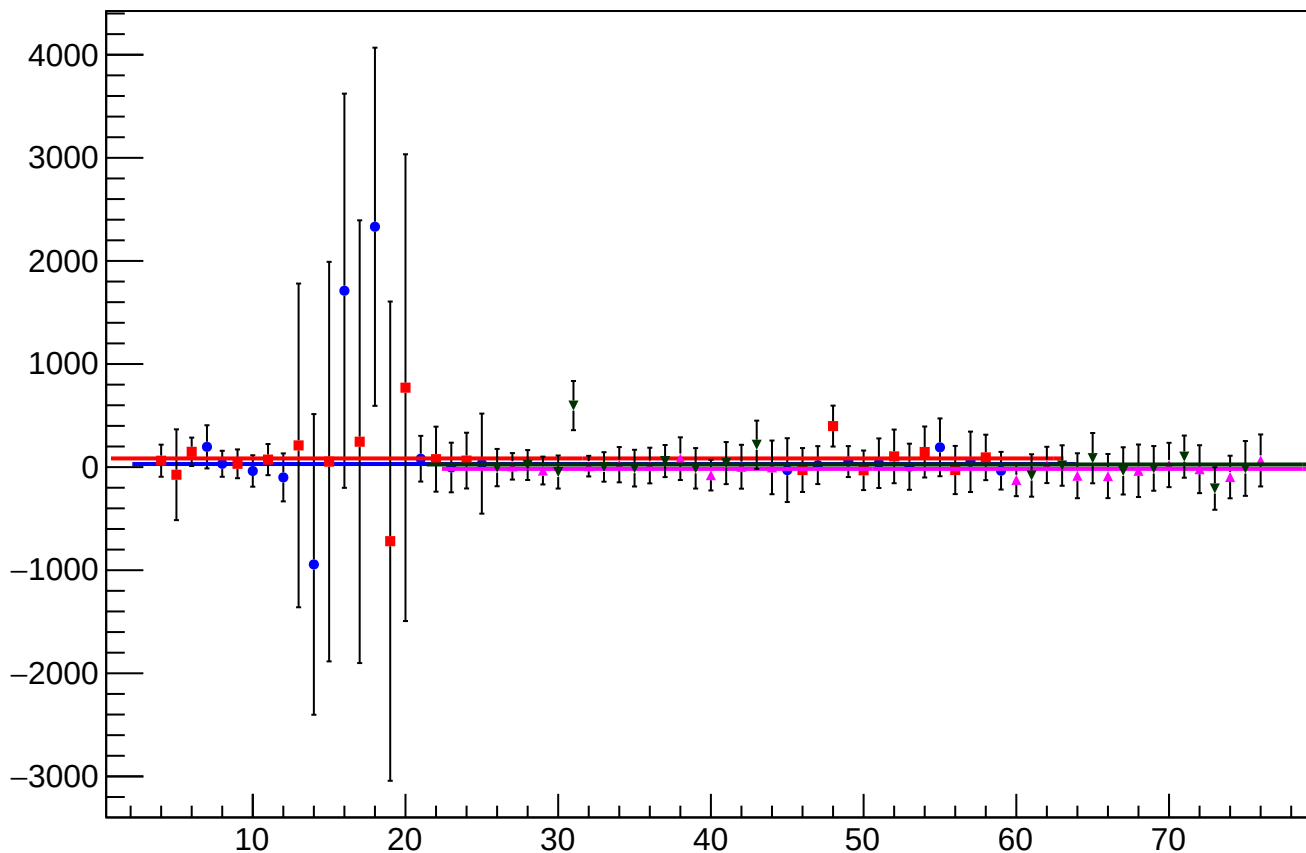
Right Out: 12.312+/-0.003 χ^2/NDF : 6373010.7/18

Left In: 16.435+/-0.004 χ^2/NDF : 381141.4/17

14.380+/-0.003 χ^2/NDF : 6863901.1/35

14.133+/-0.003 χ^2/NDF : 7408741.7/36

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: 25.672+/-45.055 χ^2/NDF : 8.7/17

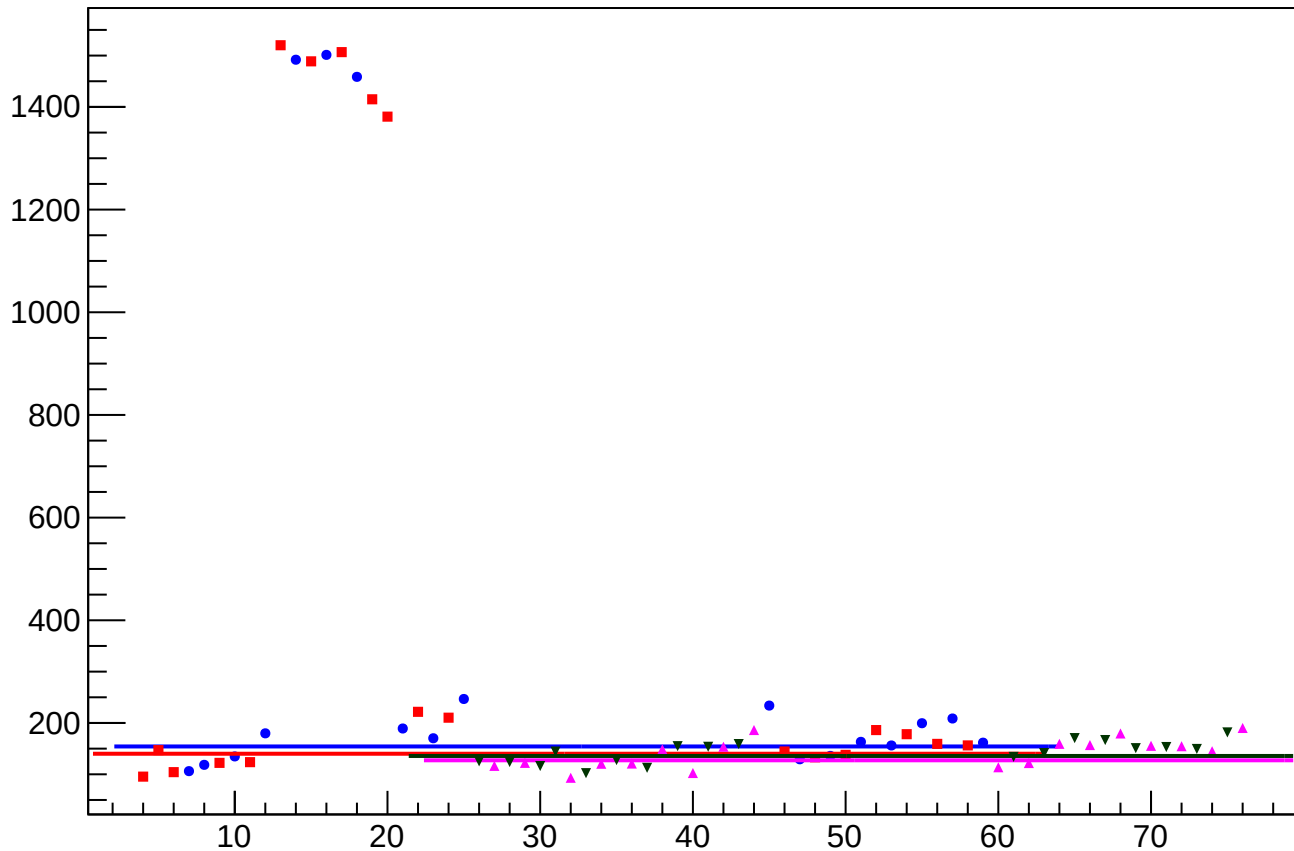
Right Out: 84.316+/-52.424 χ^2/NDF : 4.2/18

Left In: -17.229+/-40.869 χ^2/NDF : 1.6/17

27.522+/-34.126 χ^2/NDF : 13.4/35

21.157+/-32.232 χ^2/NDF : 8.1/36

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs slug



Right In: 154.234+/-0.037 χ^2/NDF : 4584859.8/17

Left Out: 135.714+/-0.032 χ^2/NDF : 436074.6/17

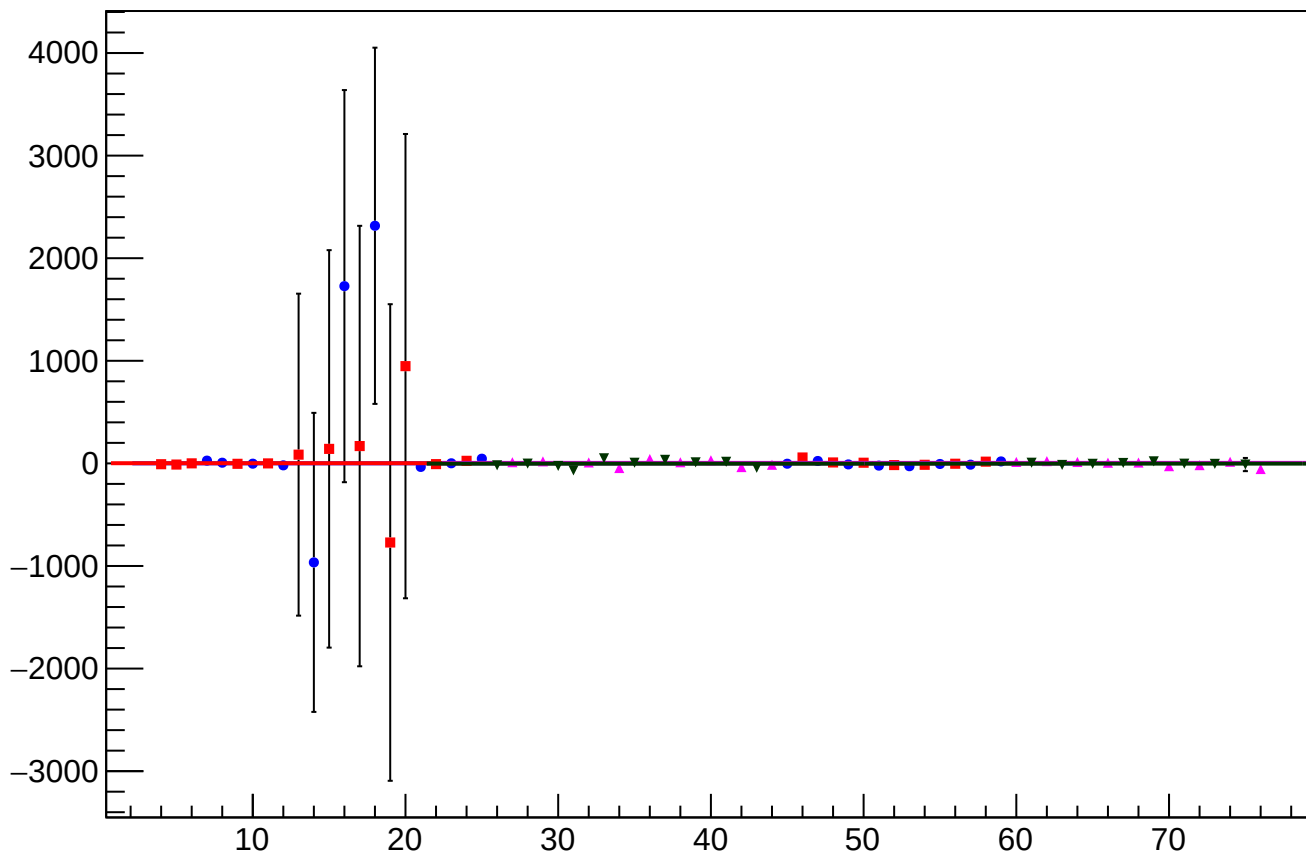
143.609+/-0.024 χ^2/NDF : 5165007.2/35

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

132.105+/-0.023 χ^2/NDF : 6212931.8/36

Left In: 127.276+/-0.029 χ^2/NDF : 849161.4/17

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs slug



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

Left Out: -2.090 $\pm$ 5.574 χ^2 /NDF:19.2/17

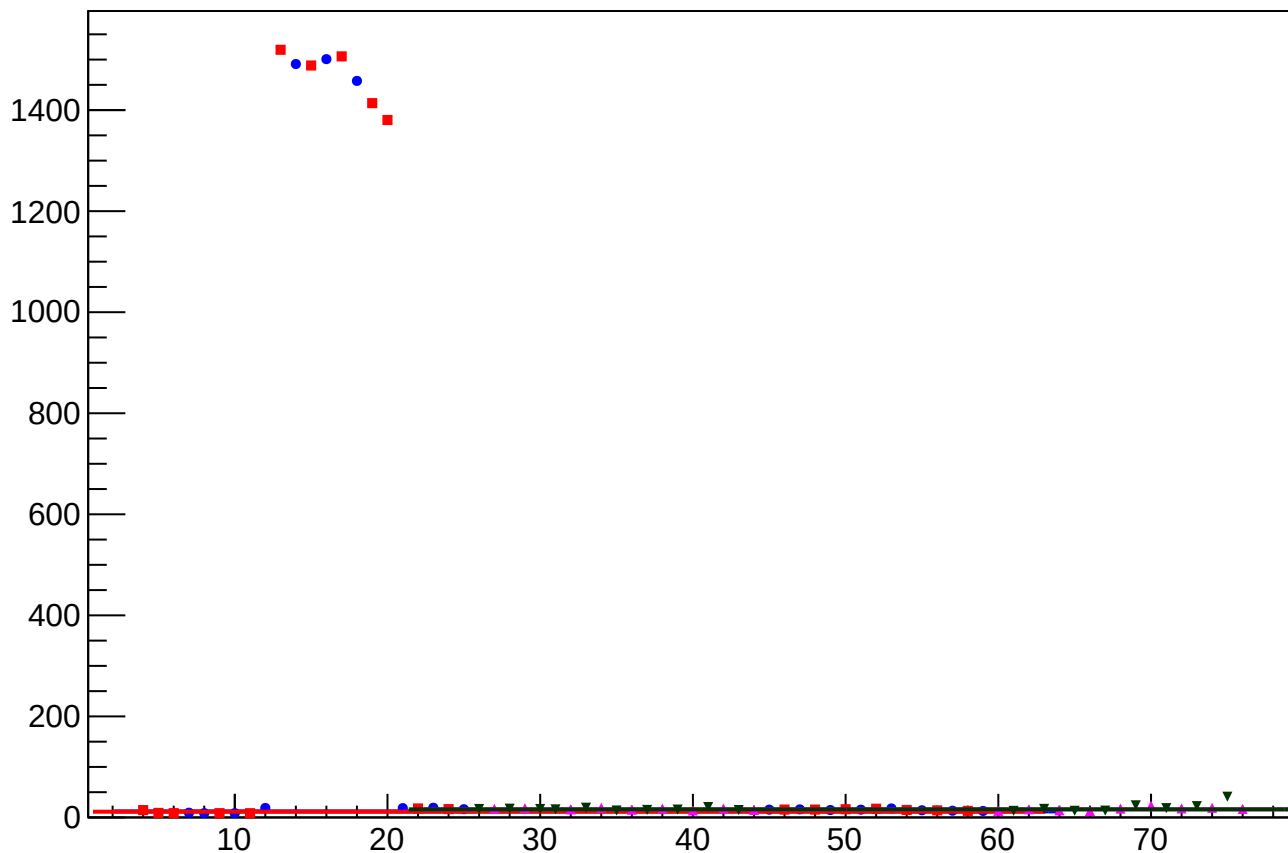
Right Out: 1.782 $\pm$ 4.470 χ^2 /NDF: 10.1/18

Left In: 4.940 $\pm$ 5.266 χ^2 /NDF:20.1/17

-0.376 $\pm$ 3.412 χ^2 /NDF: 35.3/35

3.104 $\pm$ 3.408 χ^2 /NDF: 30.4/36

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs slug



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

Left Out: 16.060 $\pm$ 0.004 χ^2 /NDF: 735714.1/17

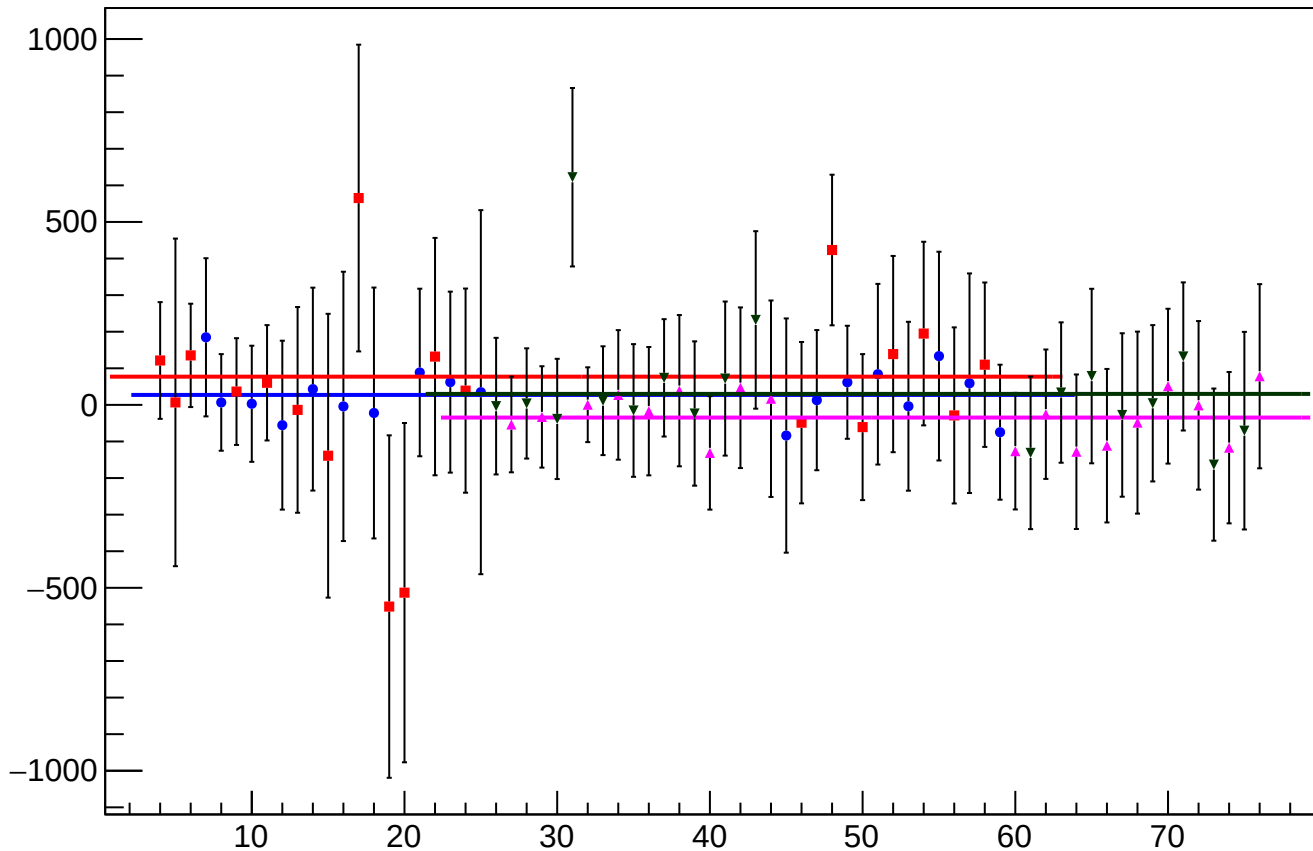
Right Out: 11.361 $\pm$ 0.003 χ^2 /NDF: 6645877.2/18

Left In: 16.041 $\pm$ 0.004 χ^2 /NDF: 381330.9/17

13.530 $\pm$ 0.002 χ^2 /NDF: 7456423.0/35

13.321 $\pm$ 0.002 χ^2 /NDF: 7945473.2/36

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: 30.007+/-45.773 χ^2/NDF : 9.1/17

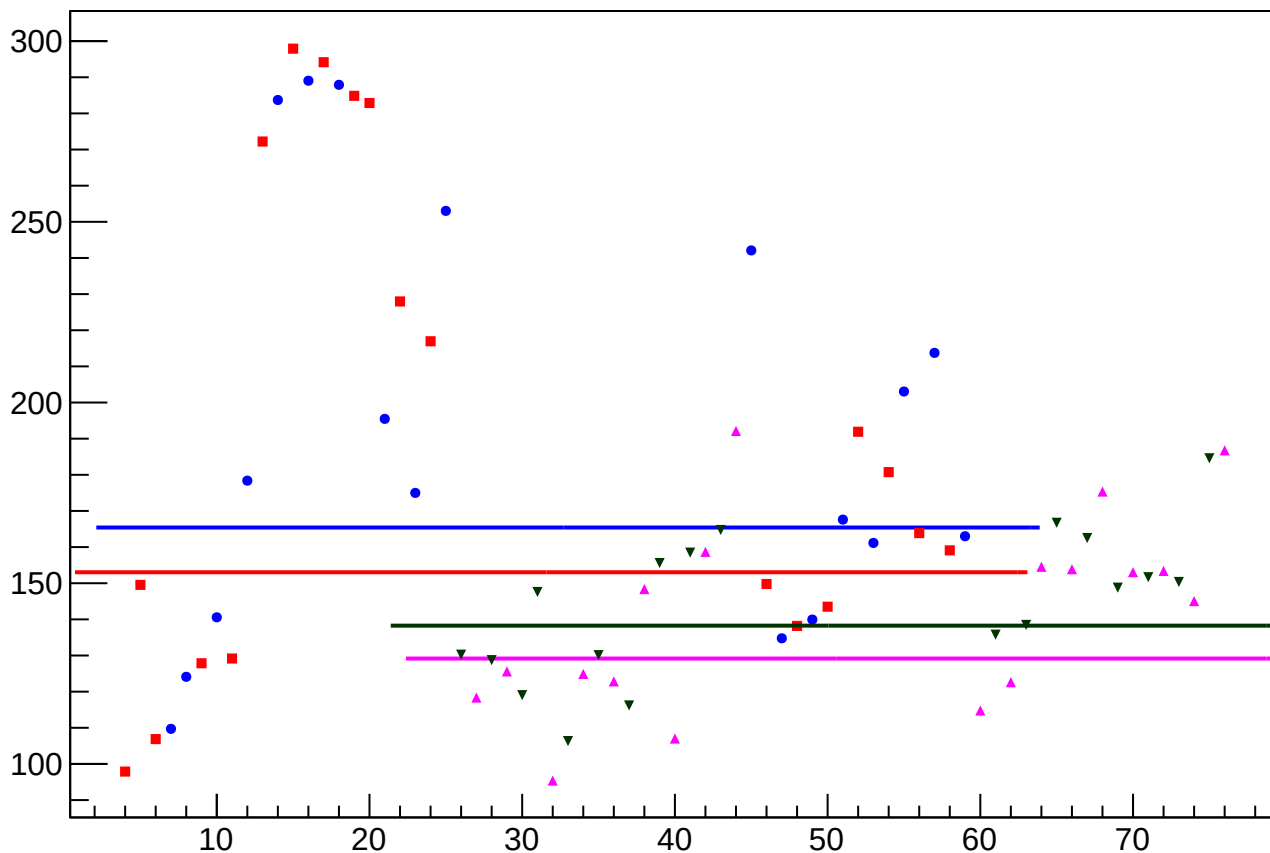
Right Out: 77.113+/-51.687 χ^2/NDF : 9.7/18

Left In: -34.630+/-41.405 χ^2/NDF : 2.2/17

28.788+/-34.305 χ^2/NDF : 10.6/35

9.048+/-32.315 χ^2/NDF : 14.7/36

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs slug



Right In: 165.419+/-0.037 χ^2/NDF : 1636400.3/17

Left Out: 138.266+/-0.032 χ^2/NDF : 365430.5/17

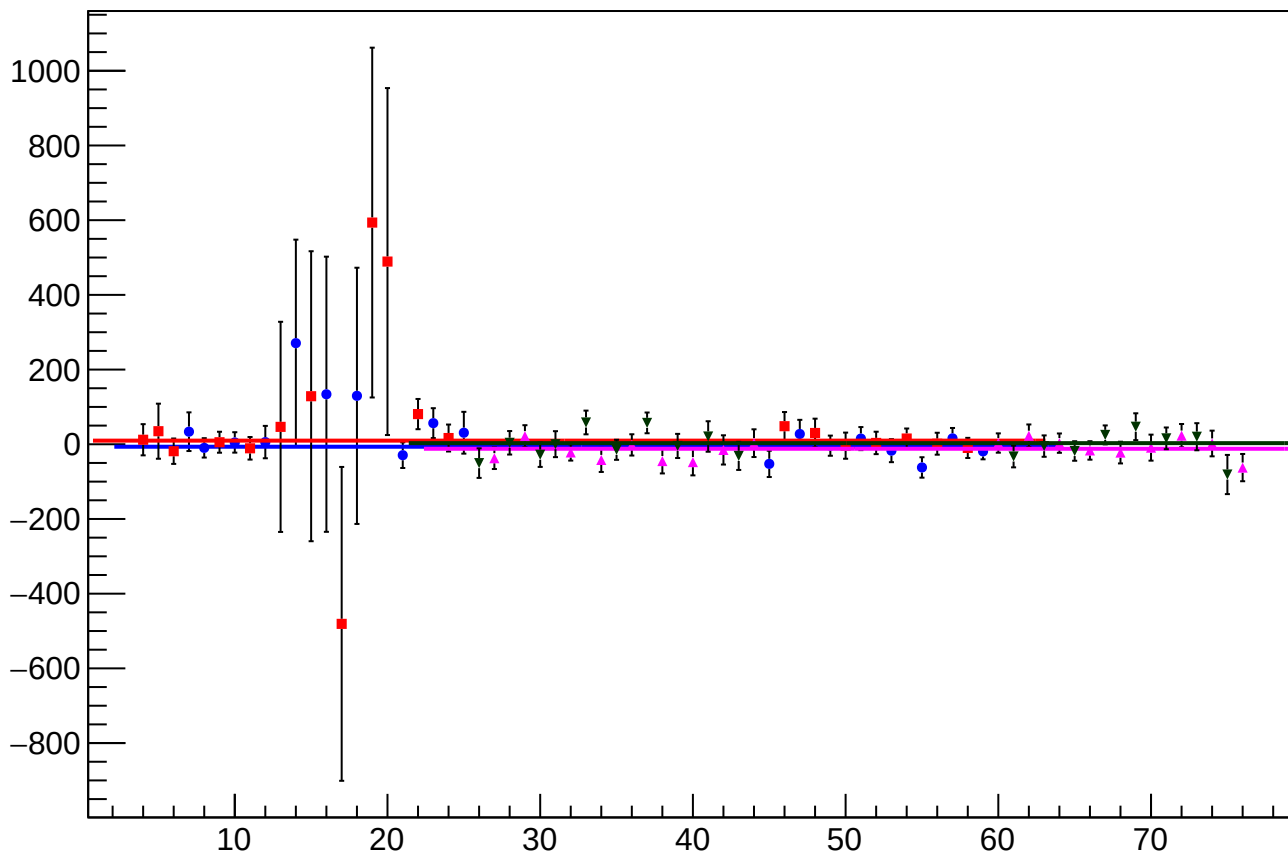
Right Out: 153.039+/-0.037 χ^2/NDF : 2037868.3/18

Left In: 129.162+/-0.029 χ^2/NDF : 749901.1/17

150.167+/-0.024 χ^2/NDF : 2310324.6/35

138.495+/-0.023 χ^2/NDF : 3047742.5/36

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: 3.018+/-7.486 χ^2 /NDF:18.5/17

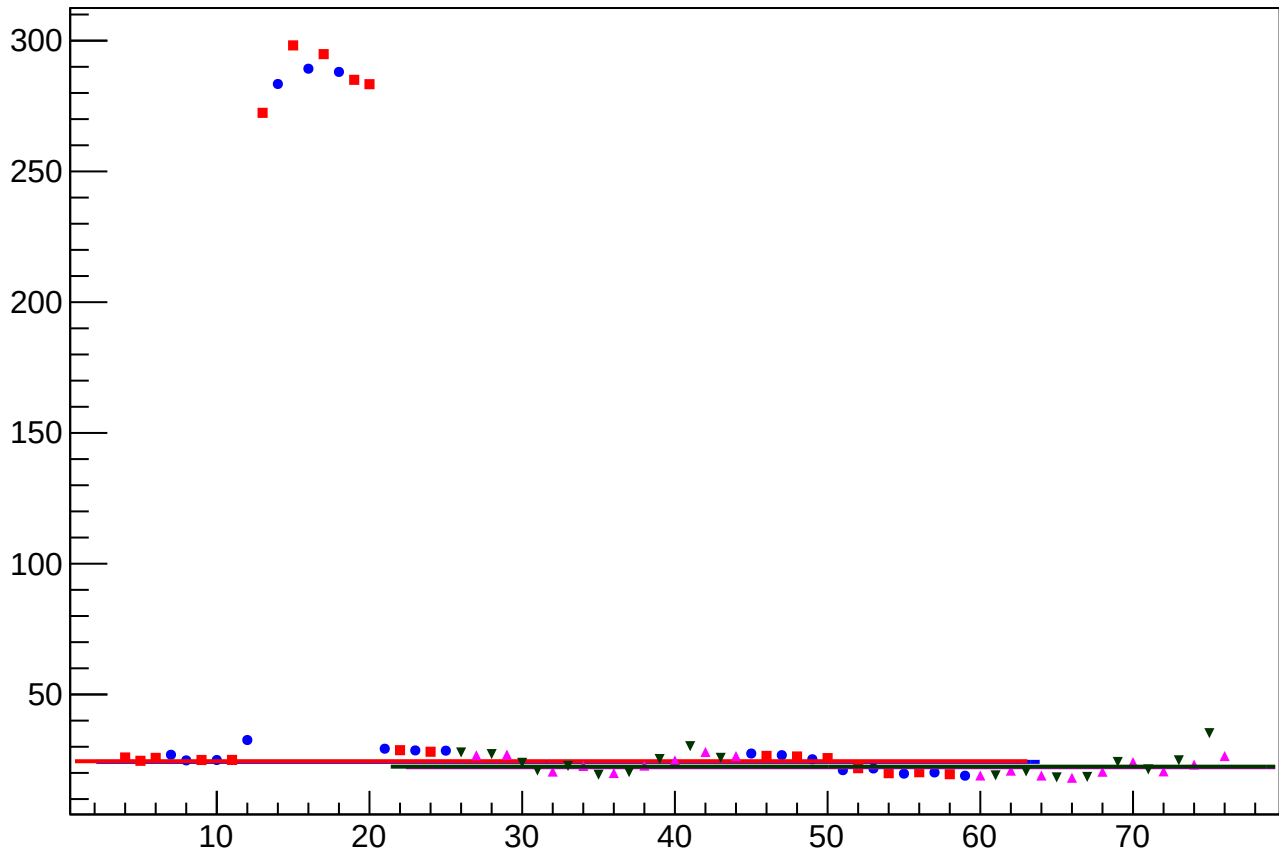
Right Out: 9.755+/-8.898 χ^2 /NDF: 10.7/18

Left In: -12.054+/-7.059 χ^2 /NDF:11.0/17

-1.419+/-5.487 χ^2 /NDF: 33.1/35

-3.630+/-5.530 χ^2 /NDF: 25.3/36

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: 22.389+/-0.005 χ^2/NDF : 502784.3/17

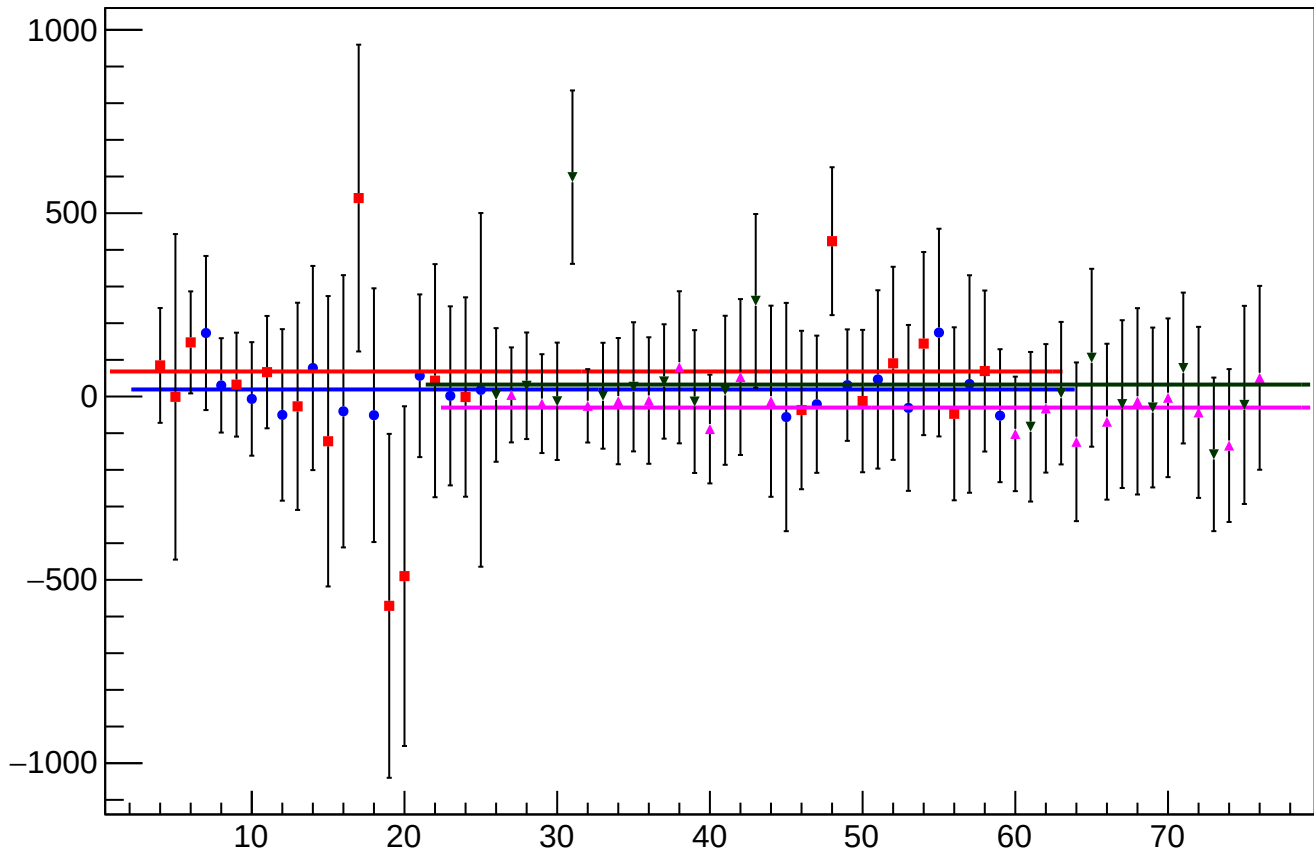
23.239+/-0.004 χ^2/NDF : 4971510.1/35

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

23.045+/-0.004 χ^2/NDF : 5319131.1/36

Left In: 22.151+/-0.005 χ^2/NDF : 376055.1/17

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: 32.560+/-45.092 χ^2/NDF : 8.3/17

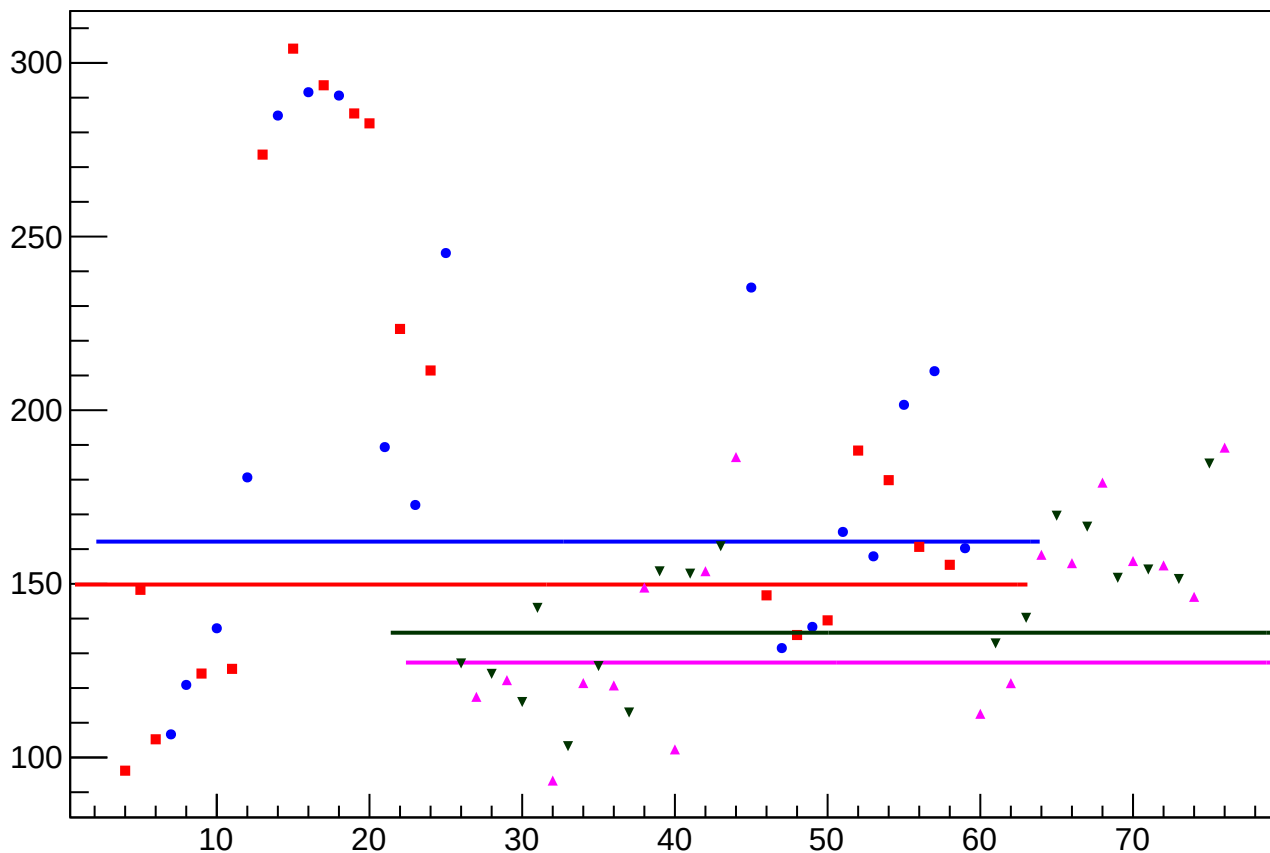
Right Out: 68.308+/-50.710 χ^2/NDF : 9.3/18

Left In: -30.136+/-40.874 χ^2/NDF : 1.5/17

26.715+/-33.756 χ^2/NDF : 9.8/35

8.634+/-31.824 χ^2/NDF : 13.1/36

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs slug



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

Left Out: 135.930 $\pm$ 0.032 χ^2 /NDF:432954.0/17

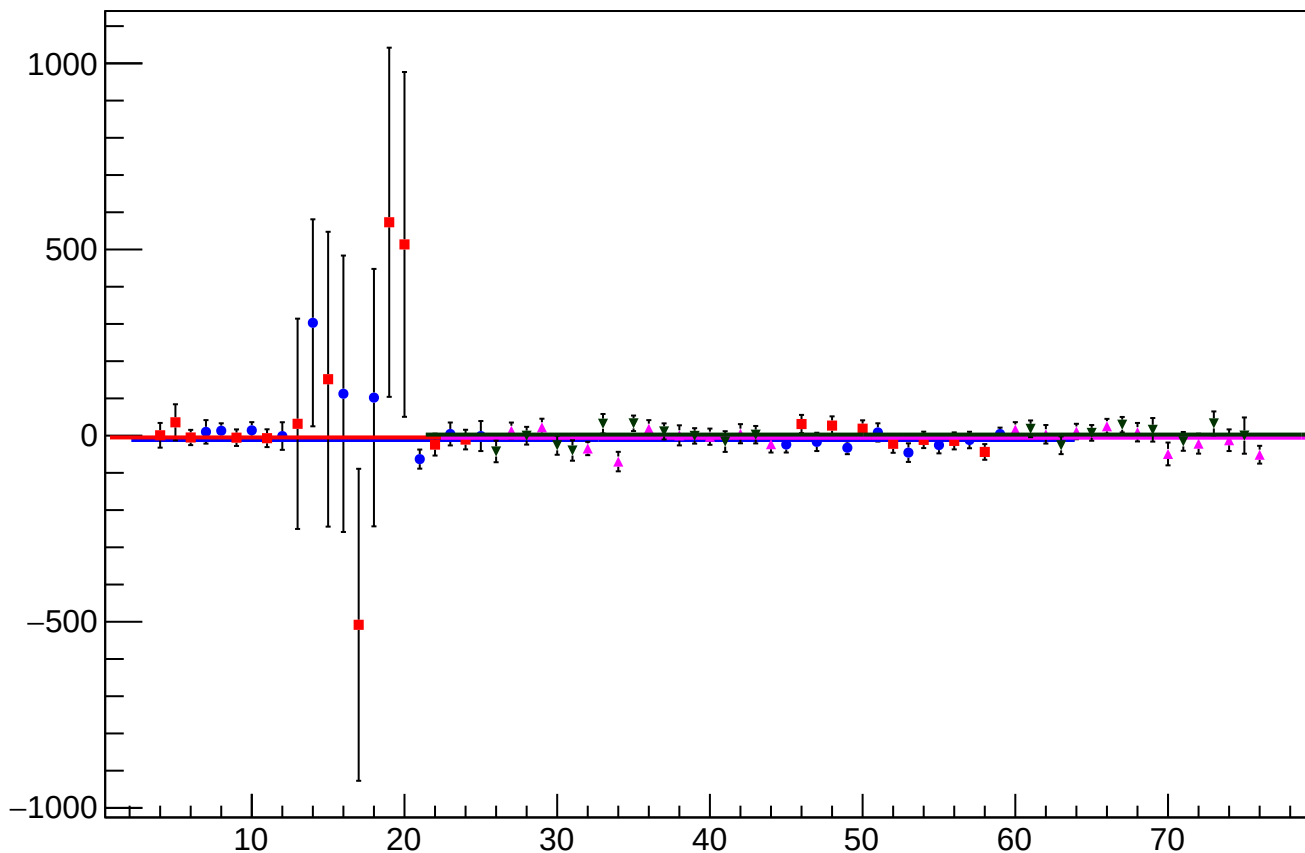
Right Out: 149.803 $\pm$ 0.036 χ^2 /NDF: 2114602.4/18

Left In: 127.334 $\pm$ 0.029 χ^2 /NDF:846770.4/17

147.463 $\pm$ 0.024 χ^2 /NDF: 2451195.2/35

136.183 $\pm$ 0.023 χ^2 /NDF: 3199388.7/36

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: 2.811 $\pm$ 5.833 χ^2 /NDF:15.3/17

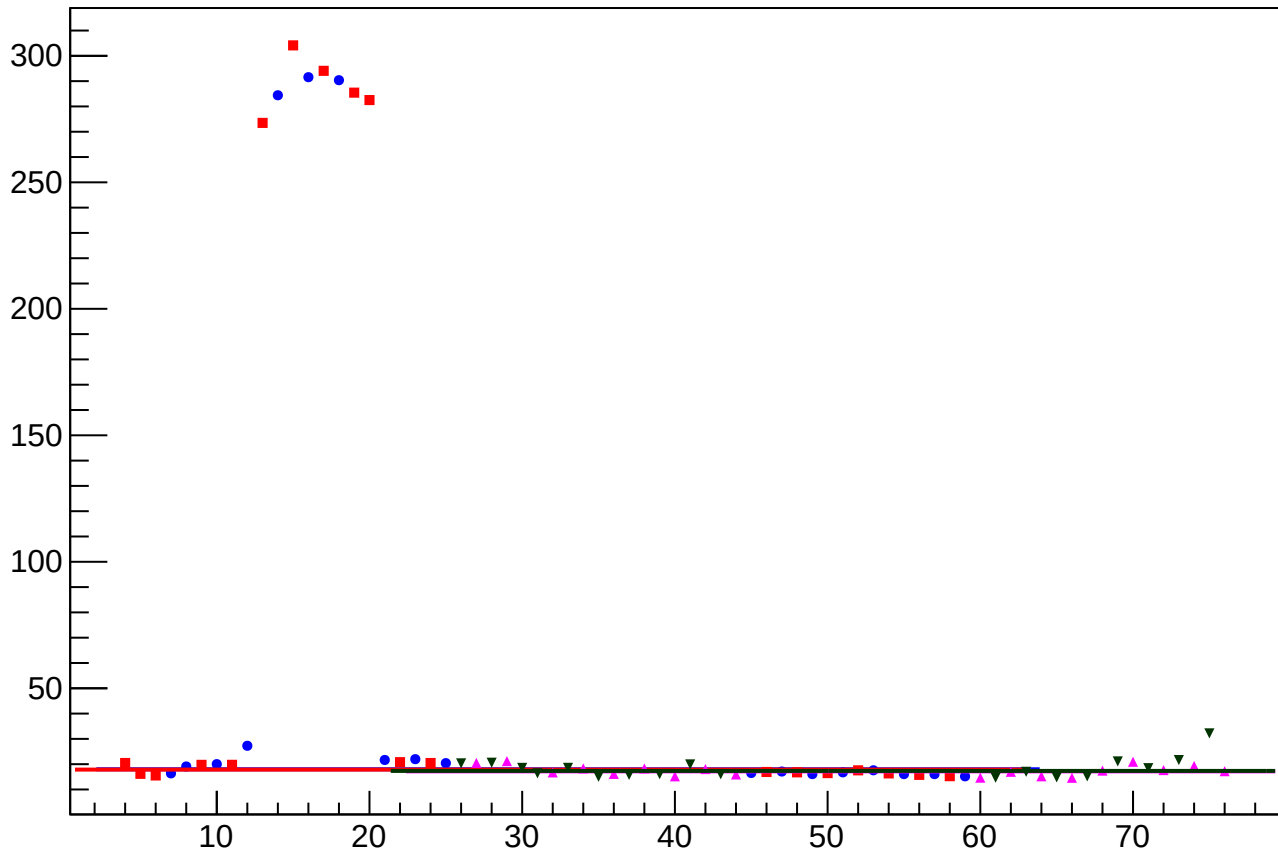
Right Out: -4.846 $\pm$ 6.550 χ^2 /NDF: 14.7/18

Left In: -5.570 $\pm$ 5.482 χ^2 /NDF:23.5/17

-4.202 $\pm$ 4.194 χ^2 /NDF: 33.3/35

-5.272 $\pm$ 4.204 χ^2 /NDF: 38.1/36

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs slug



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

Left Out: 17.335+/-0.004 χ^2 /NDF:469522.9/17

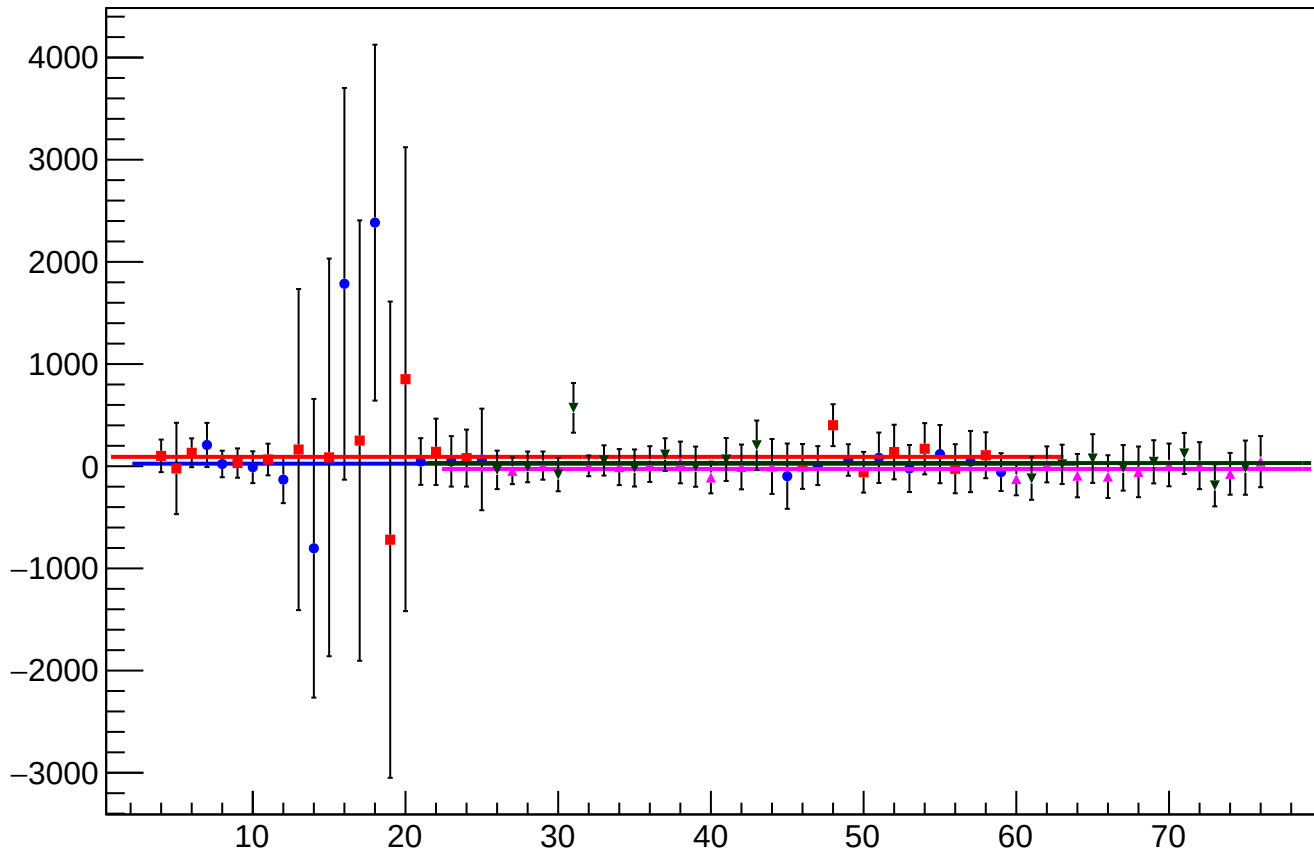
Right Out: 17.855+/-0.005 χ^2 /NDF: 5034119.1/18

Left In: 17.152+/-0.004 χ^2 /NDF:267518.8/17

17.650+/-0.003 χ^2 /NDF: 5006836.9/35

17.441+/-0.003 χ^2 /NDF: 5315184.2/36

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: 31.004+/-45.656 χ^2/NDF : 8.5/17

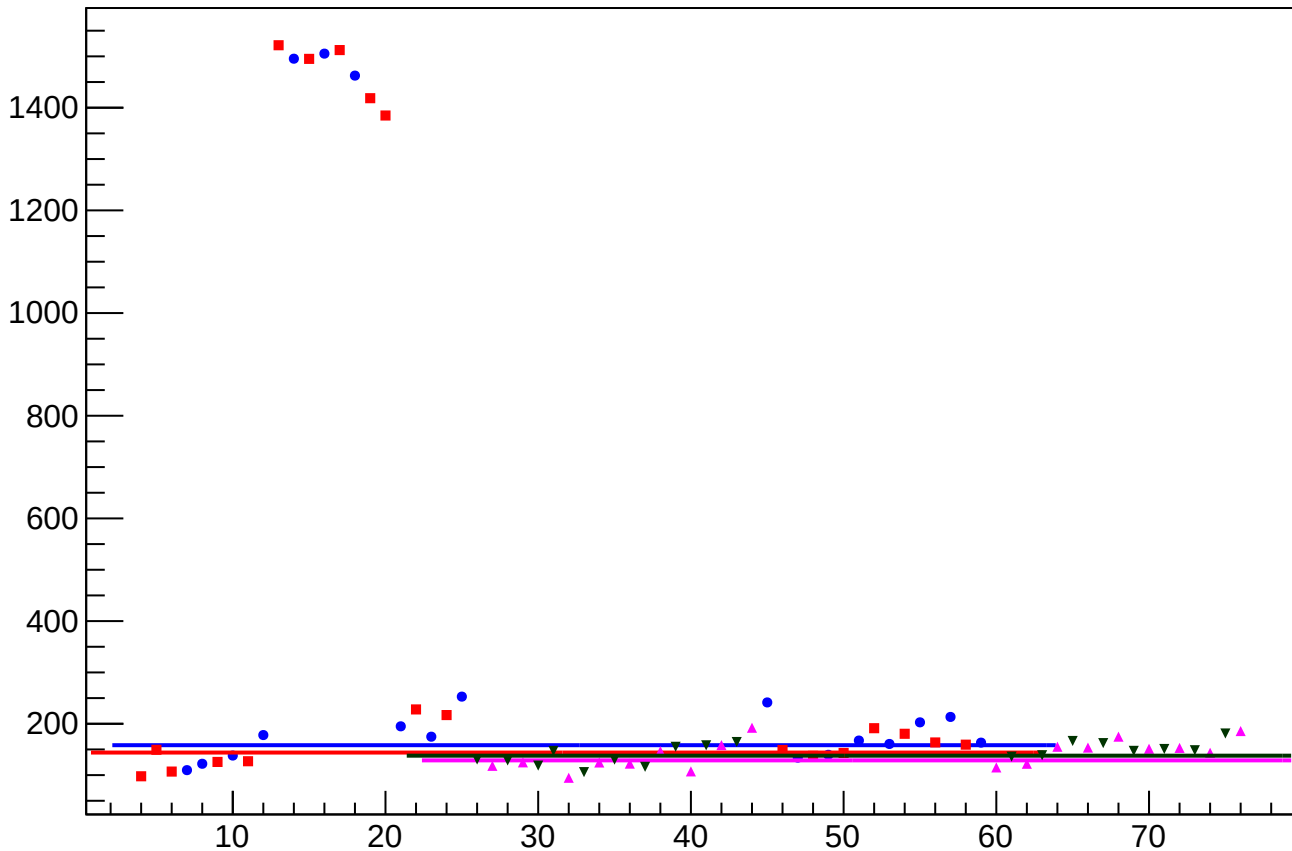
Right Out: 91.771+/-53.823 χ^2/NDF : 4.0/18

Left In: -26.584+/-41.262 χ^2/NDF : 1.5/17

28.524+/-34.740 χ^2/NDF : 13.4/35

17.227+/-32.747 χ^2/NDF : 8.6/36

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs slug



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

Left Out: 137.865 $\pm$ 0.032 χ^2 /NDF: 357527.3/17

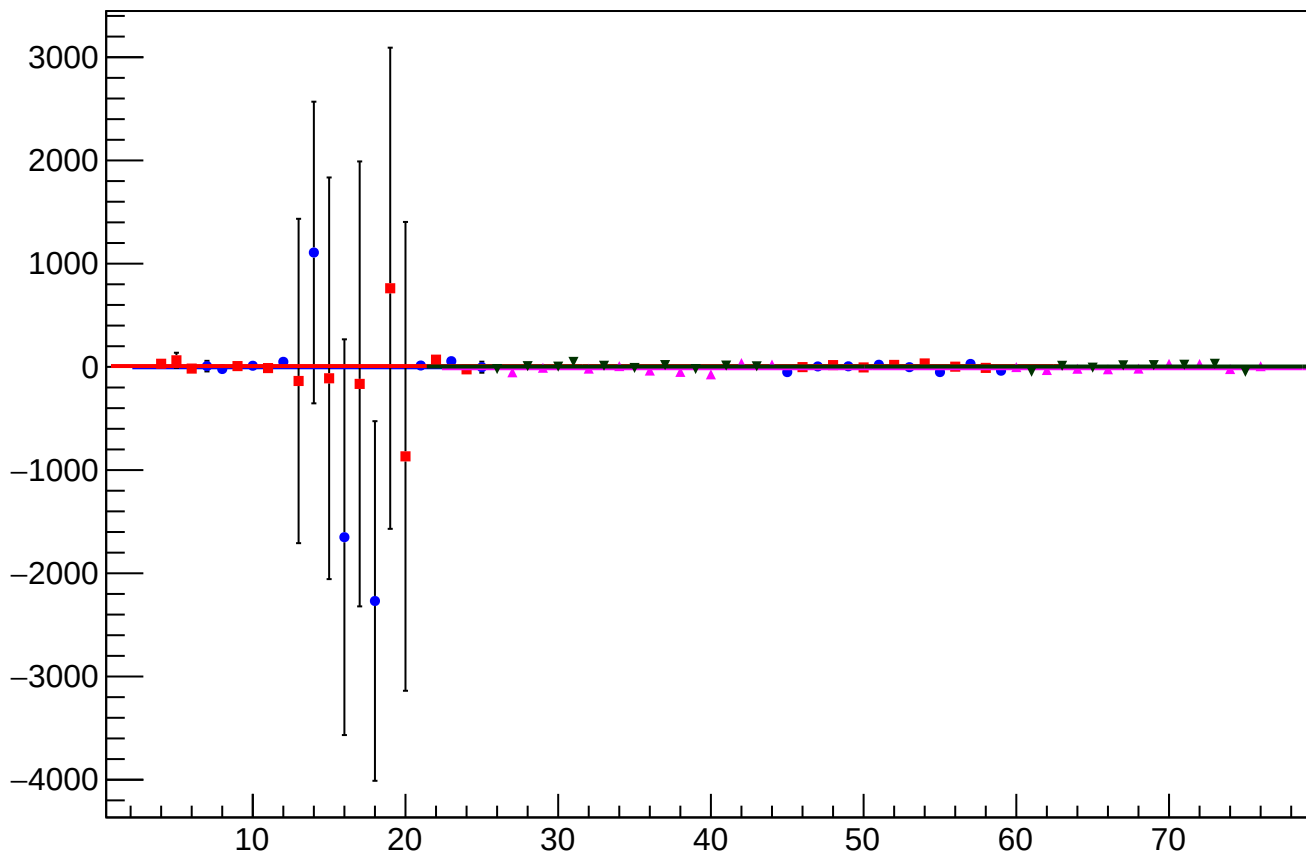
146.459 $\pm$ 0.025 χ^2 /NDF: 5064818.1/35

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

134.344 $\pm$ 0.023 χ^2 /NDF: 6118569.8/36

Left In: 128.705 $\pm$ 0.029 χ^2 /NDF: 749662.3/17

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs slug



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

Left Out: 3.415+/-6.968 χ^2/NDF :10.5/17

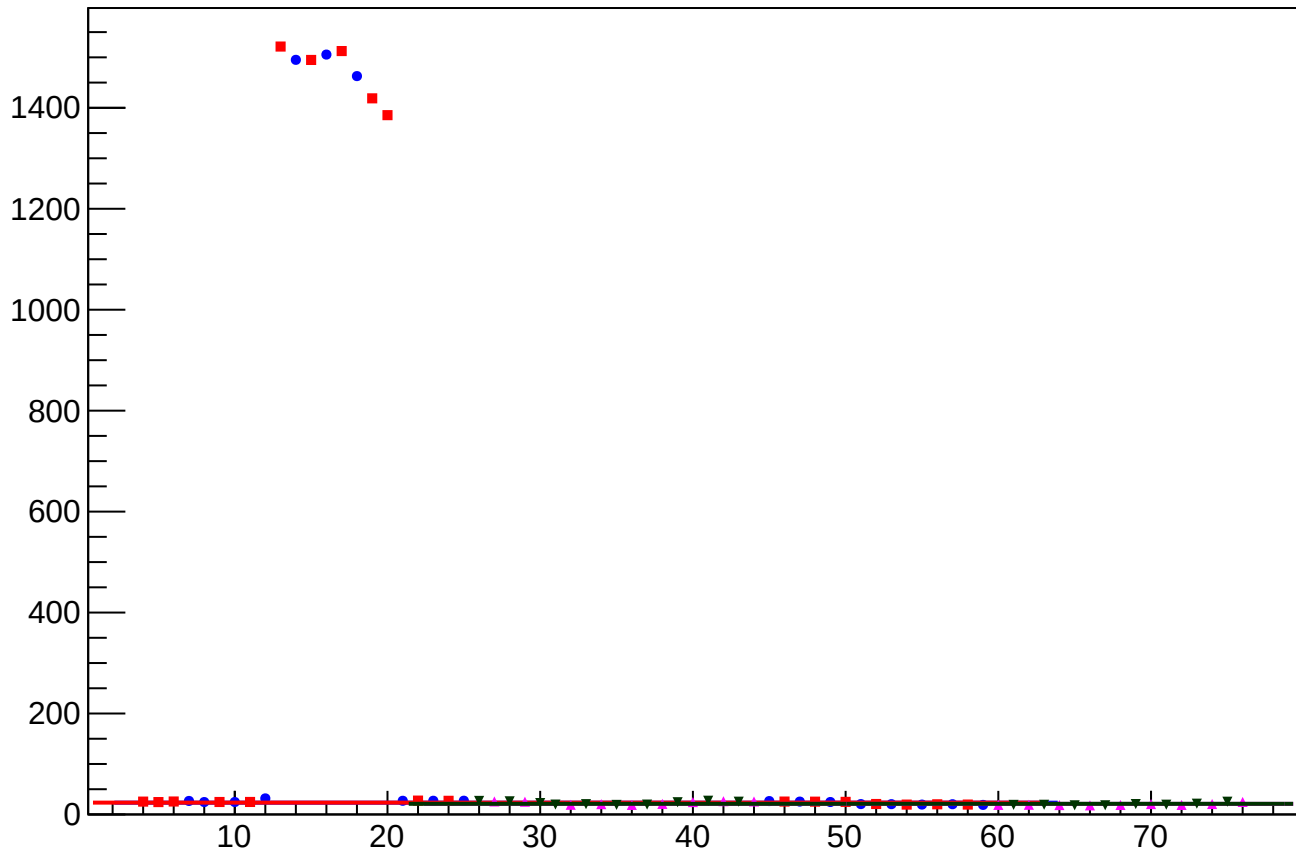
Right Out: 7.973+/-8.718 χ^2/NDF : 7.3/18

Left In: -13.331+/-6.598 χ^2/NDF :15.8/17

0.129+/-5.219 χ^2/NDF : 28.6/35

-5.573+/-5.261 χ^2/NDF : 27.0/36

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs slug



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

Left Out: 21.103+/-0.005 χ^2/NDF :342884.5/17

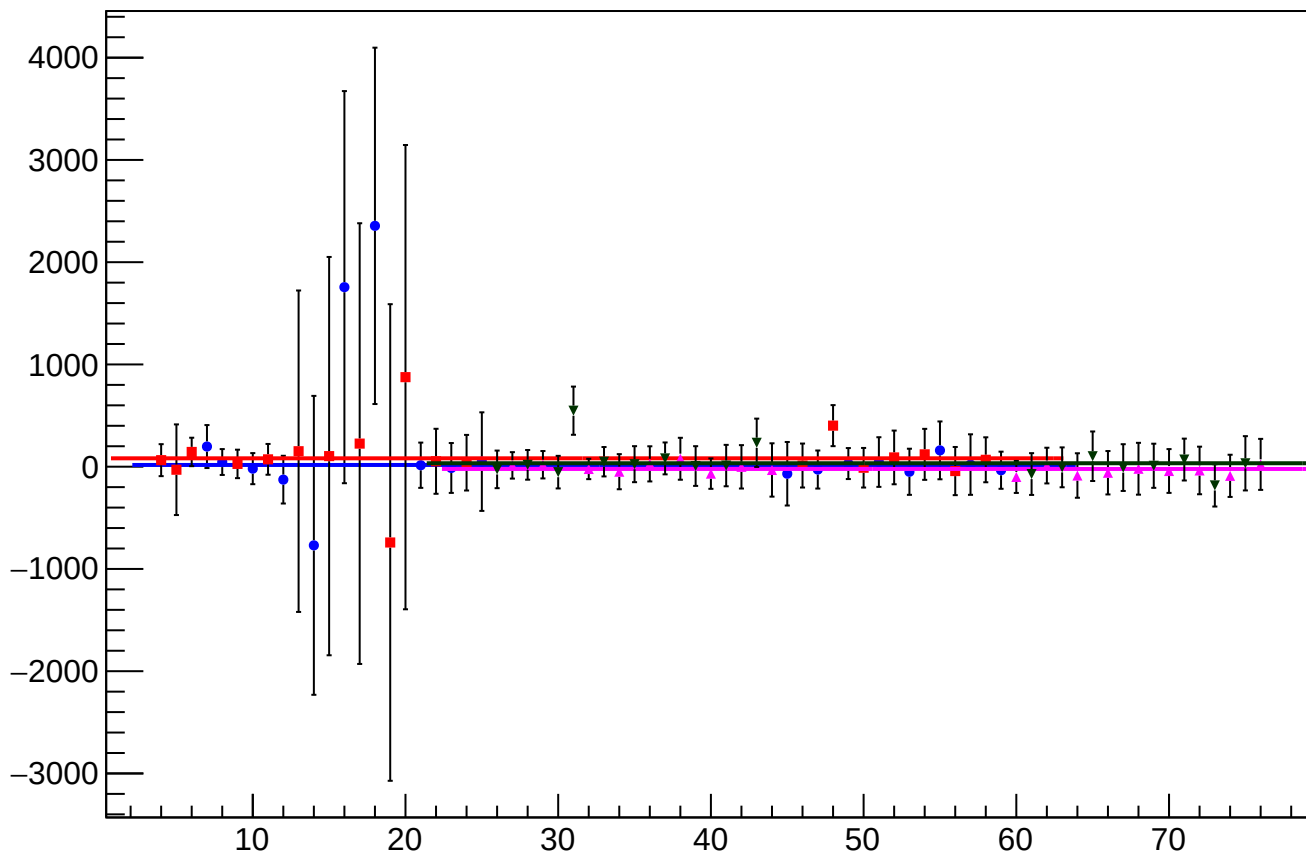
Right Out: 23.445+/-0.006 χ^2/NDF : 5561556.7/18

Left In: 20.885+/-0.005 χ^2/NDF :348548.0/17

22.083+/-0.004 χ^2/NDF : 5398334.4/35

21.817+/-0.004 χ^2/NDF : 6019739.6/36

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: 33.734+/-44.976 χ^2/NDF : 7.6/17

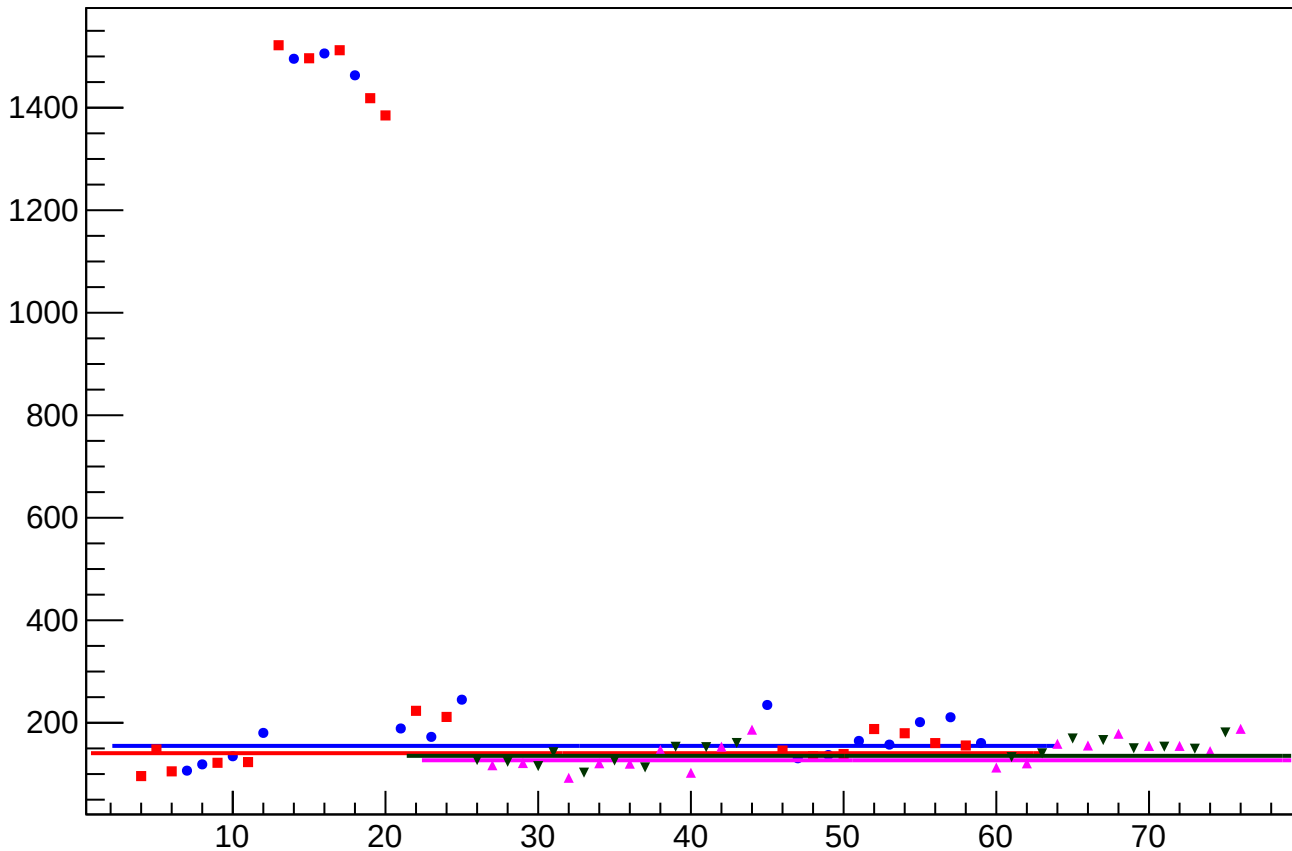
Right Out: 81.906+/-52.666 χ^2/NDF : 3.9/18

Left In: -22.217+/-40.732 χ^2/NDF : 1.2/17

26.622+/-34.153 χ^2/NDF : 12.4/35

16.754+/-32.220 χ^2/NDF : 7.5/36

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: 135.537 $\pm$ 0.032 χ^2 /NDF: 424487.3/17

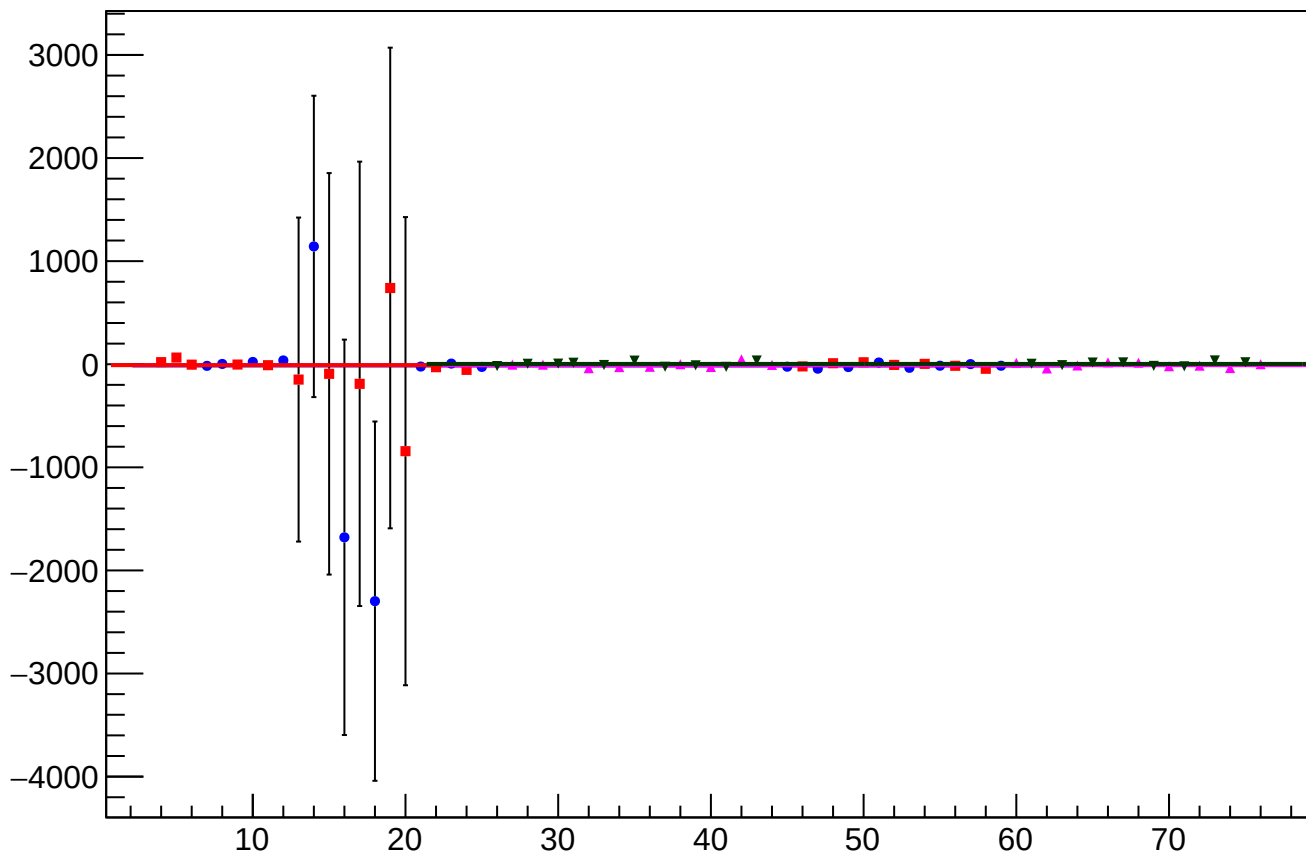
143.755 $\pm$ 0.024 χ^2 /NDF: 5162797.9/35

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

132.054 $\pm$ 0.023 χ^2 /NDF: 6224880.6/36

Left In: 126.877 $\pm$ 0.029 χ^2 /NDF: 846563.3/17

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs slug



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

Left Out: 3.075 $\pm$ 5.348 χ^2 /NDF: 14.5/17

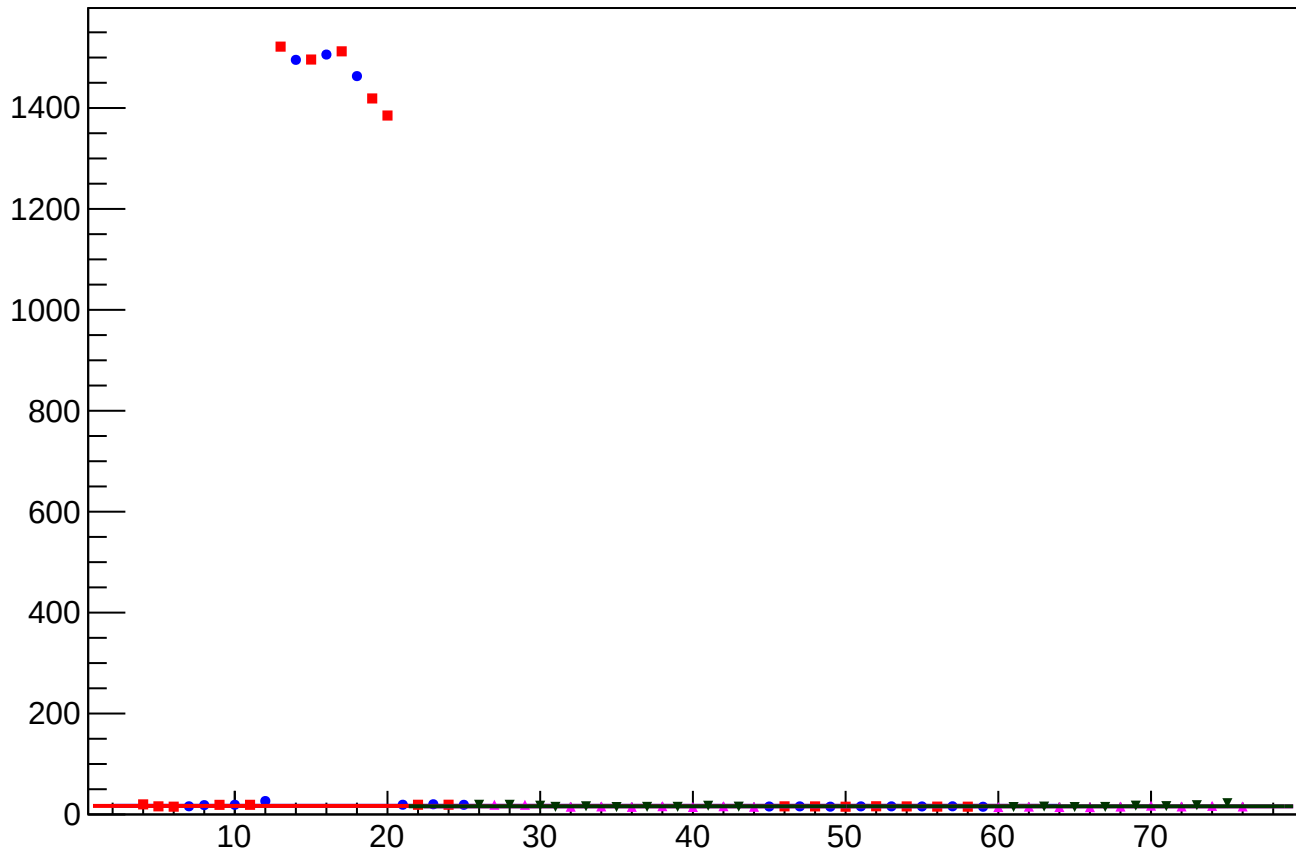
Right Out: -8.864 $\pm$ 6.293 χ^2 /NDF: 13.3/18

Left In: -9.133 $\pm$ 5.036 χ^2 /NDF: 19.7/17

-3.578 $\pm$ 3.923 χ^2 /NDF: 32.8/35

-9.028 $\pm$ 3.932 χ^2 /NDF: 33.0/36

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs slug



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

Left Out: 16.208 $\pm$ 0.004 χ^2 /NDF:216330.8/17

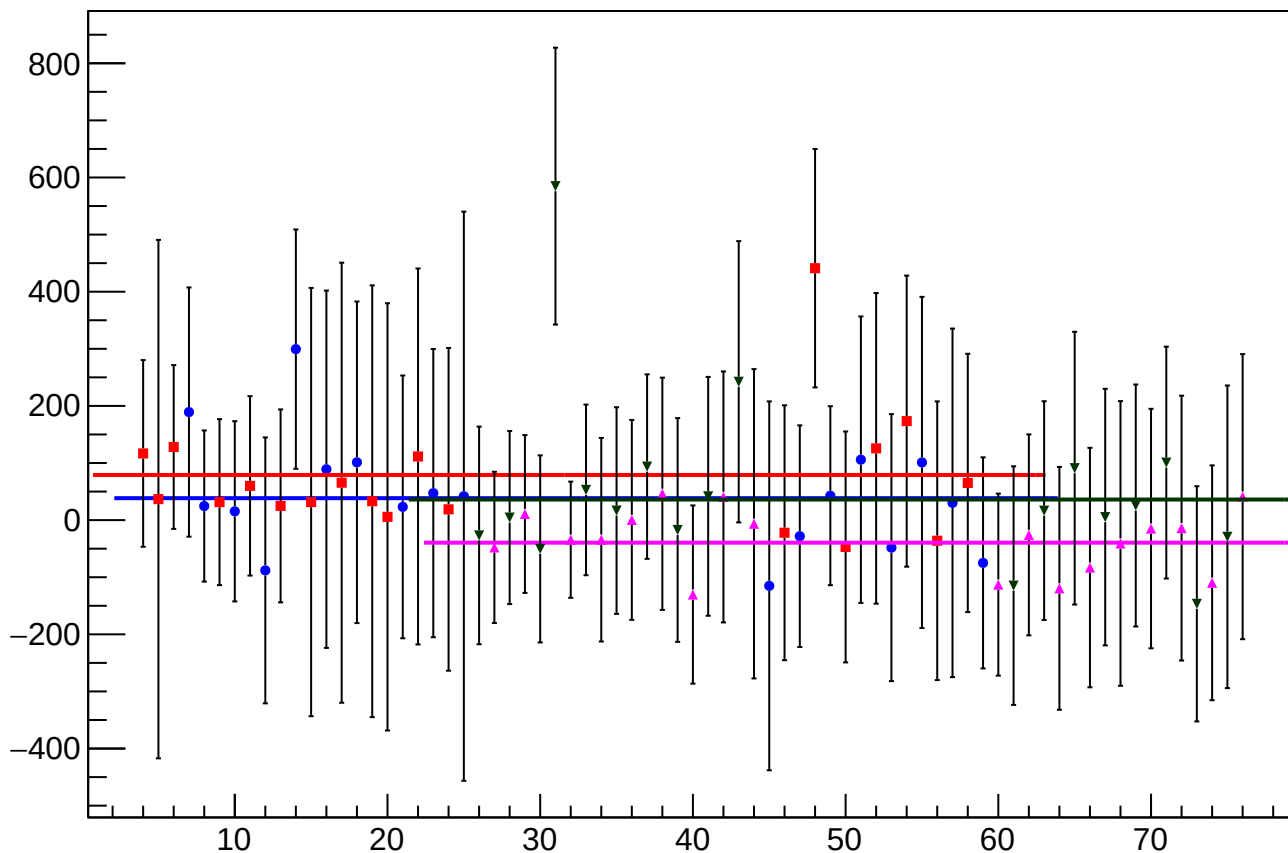
Right Out: 16.920 $\pm$ 0.004 χ^2 /NDF: 5539958.1/18

Left In: 16.004 $\pm$ 0.004 χ^2 /NDF:148015.5/17

16.617 $\pm$ 0.003 χ^2 /NDF: 5163700.1/35

16.362 $\pm$ 0.003 χ^2 /NDF: 5713754.6/36

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: 36.054+/-45.819 χ^2/NDF : 8.0/17

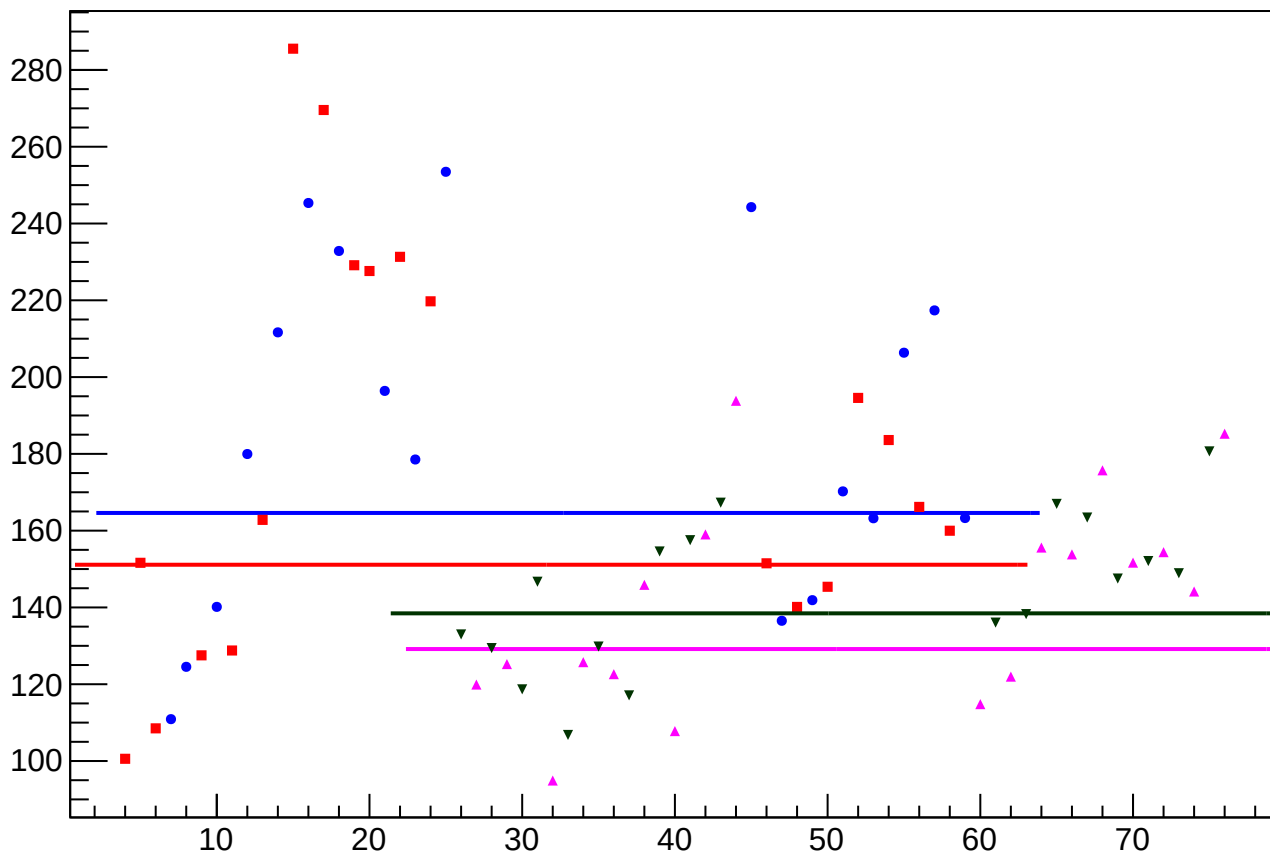
Right Out: 79.078+/-50.233 χ^2/NDF : 4.5/18

Left In: -39.461+/-41.402 χ^2/NDF : 1.5/17

37.123+/-34.096 χ^2/NDF : 11.5/35

8.490+/-31.949 χ^2/NDF : 9.3/36

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs slug



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

Left Out: 138.461+/-0.032 χ^2/NDF : 349257.1/17

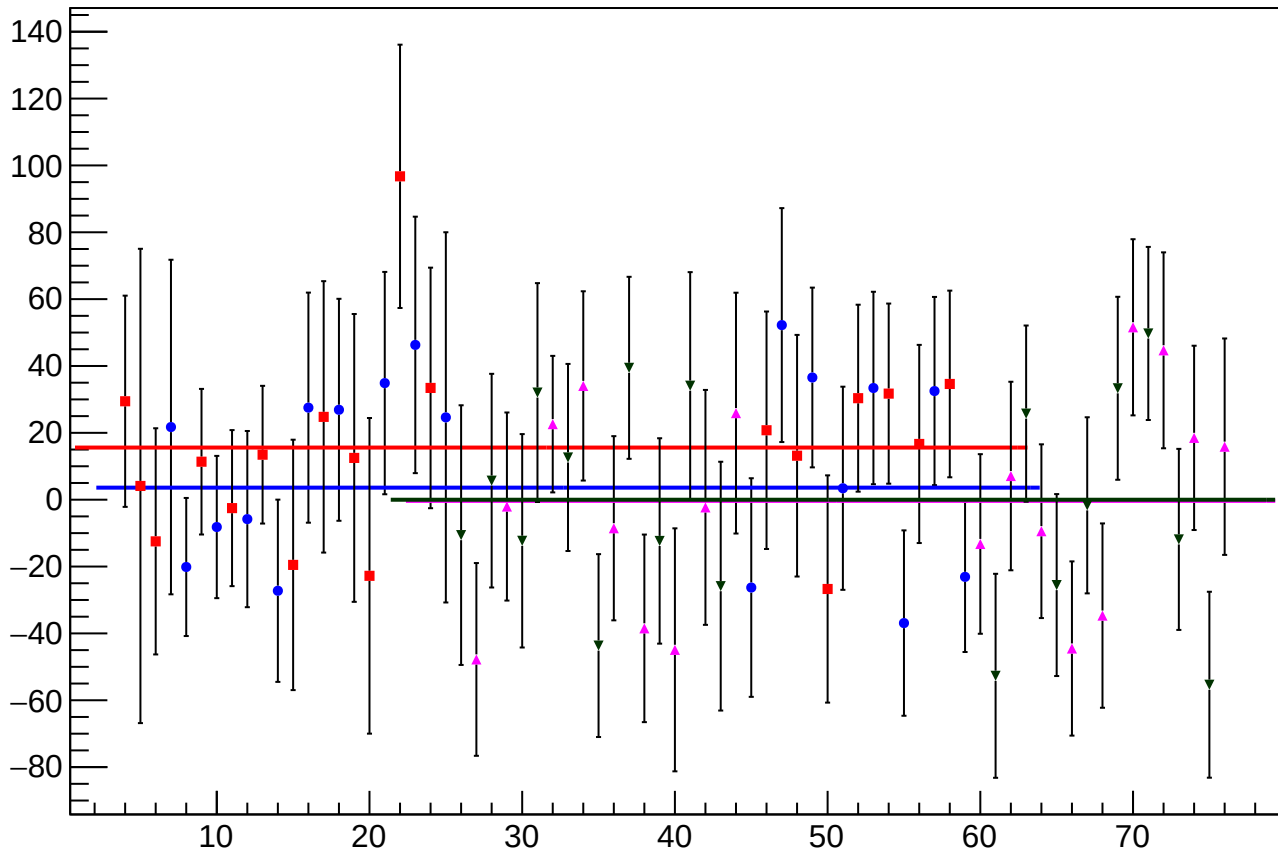
150.131+/-0.024 χ^2/NDF : 1768556.4/35

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

138.048+/-0.023 χ^2/NDF : 2400607.2/36

Left In: 129.165+/-0.029 χ^2/NDF : 749612.8/17

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs slug



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

Left Out: -0.013 ± 6.908 $\chi^2/\text{NDF}: 21.9/17$

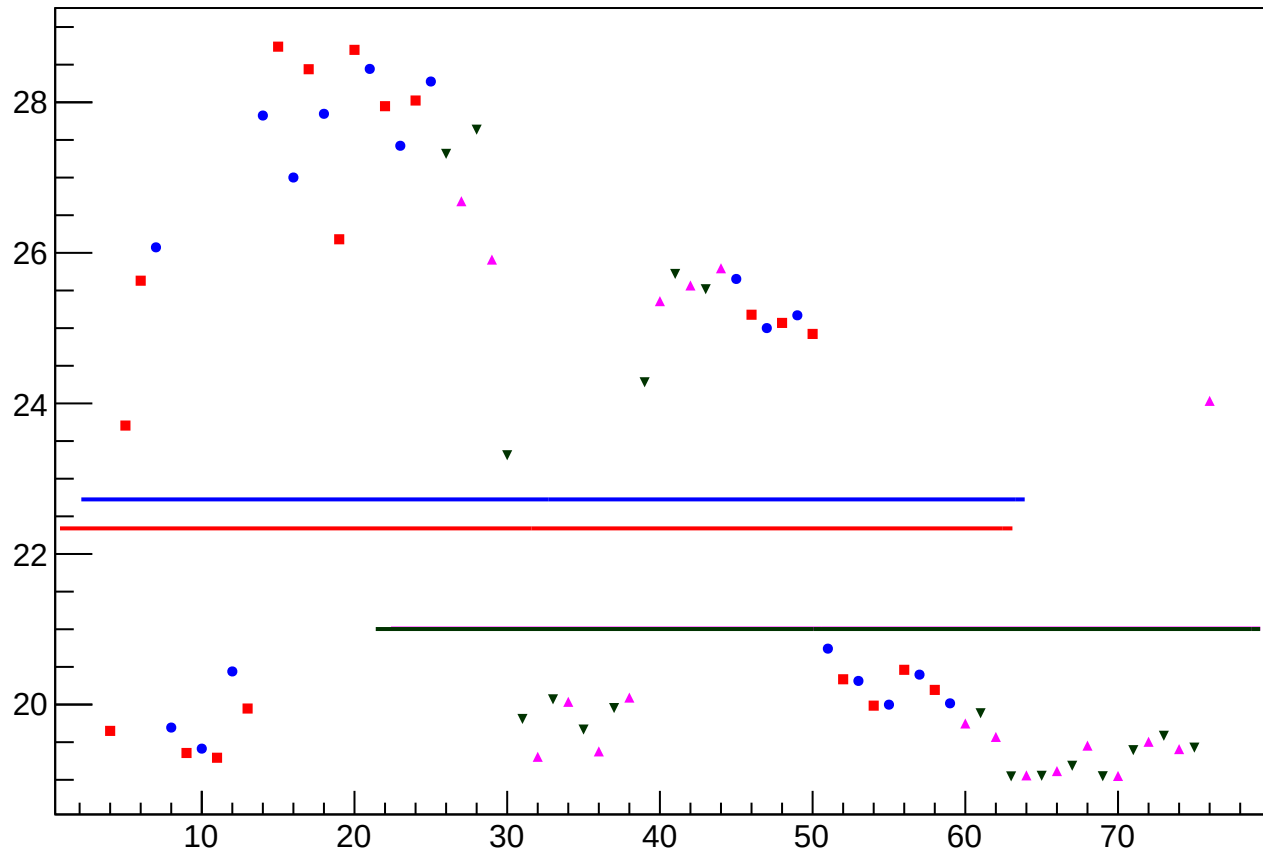
Right Out: 15.596 ± 7.143 $\chi^2/\text{NDF}: 10.3/18$

Left In: -0.360 ± 6.619 $\chi^2/\text{NDF}: 21.2/17$

1.814 ± 4.861 $\chi^2/\text{NDF}: 38.3/35$

7.012 ± 4.855 $\chi^2/\text{NDF}: 34.2/36$

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: 21.003+/-0.005 χ^2/NDF : 316128.8/17

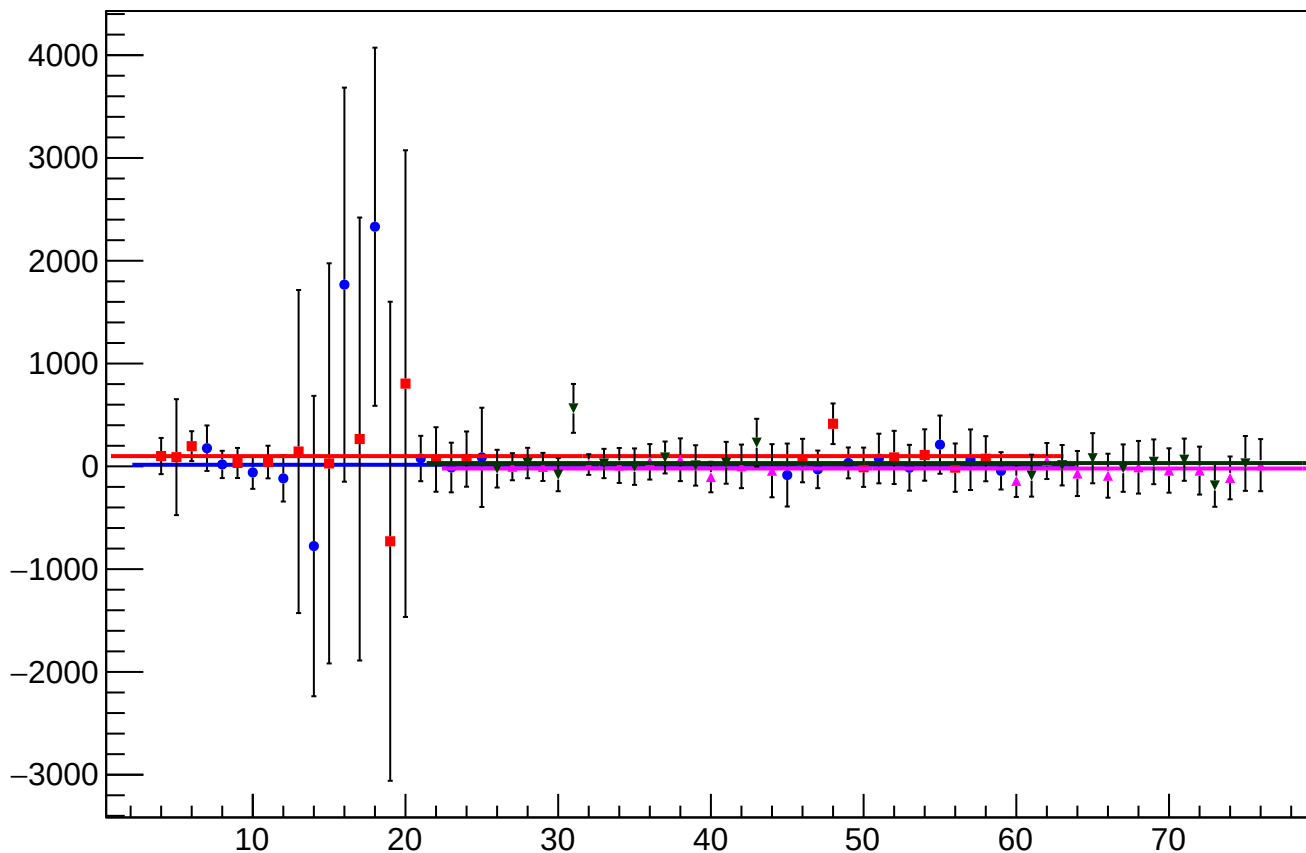
Right Out: 22.340+/-0.005 χ^2/NDF : 460008.2/18

Left In: 21.010+/-0.005 χ^2/NDF : 339547.8/17

21.872+/-0.003 χ^2/NDF : 877627.7/35

21.624+/-0.003 χ^2/NDF : 836871.0/36

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: 31.743+/-45.169 χ^2/NDF : 8.1/17

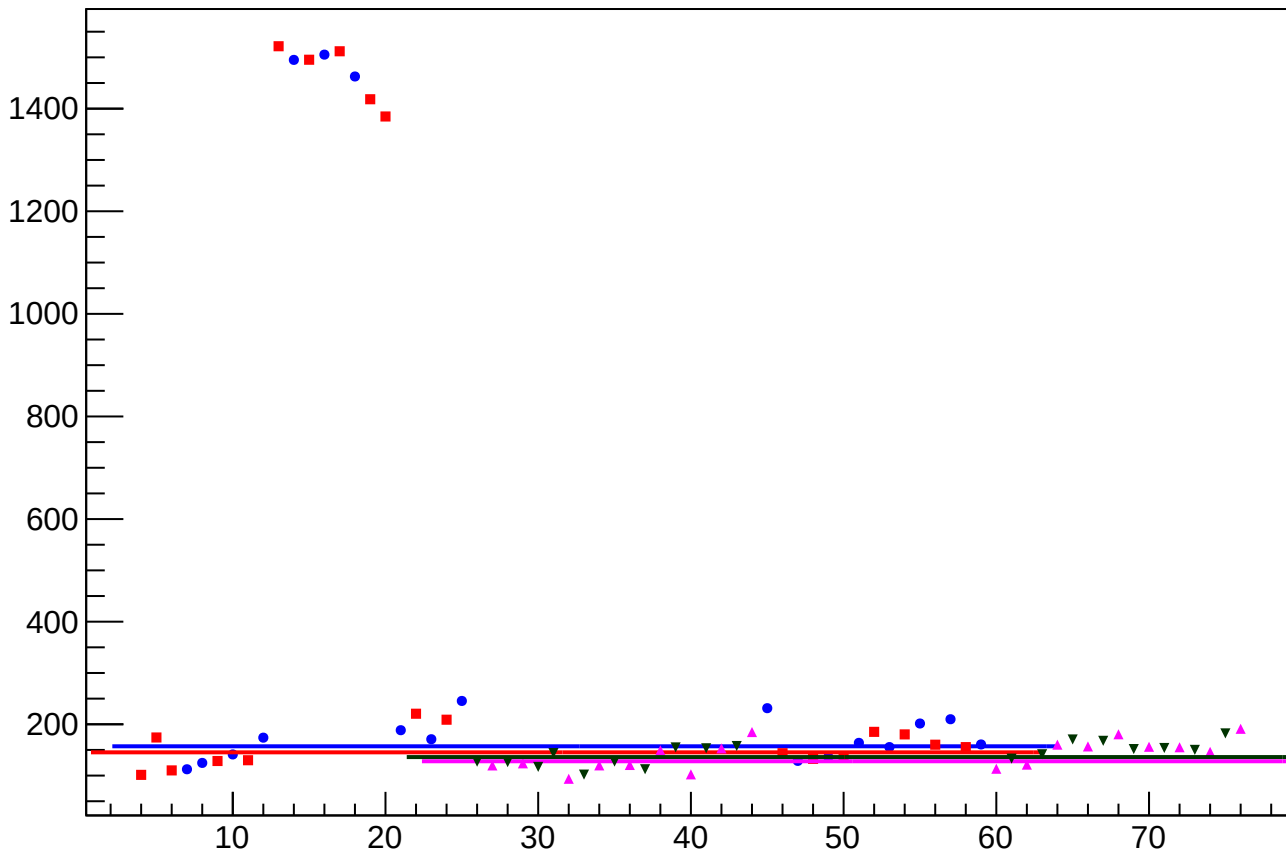
Right Out: 99.514+/-54.286 χ^2/NDF : 4.2/18

Left In: -21.026+/-41.048 χ^2/NDF : 2.0/17

24.784+/-34.383 χ^2/NDF : 13.1/35

22.823+/-32.742 χ^2/NDF : 9.3/36

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs slug



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

Left Out: 136.084+/-0.032 χ^2/NDF : 434003.4/17

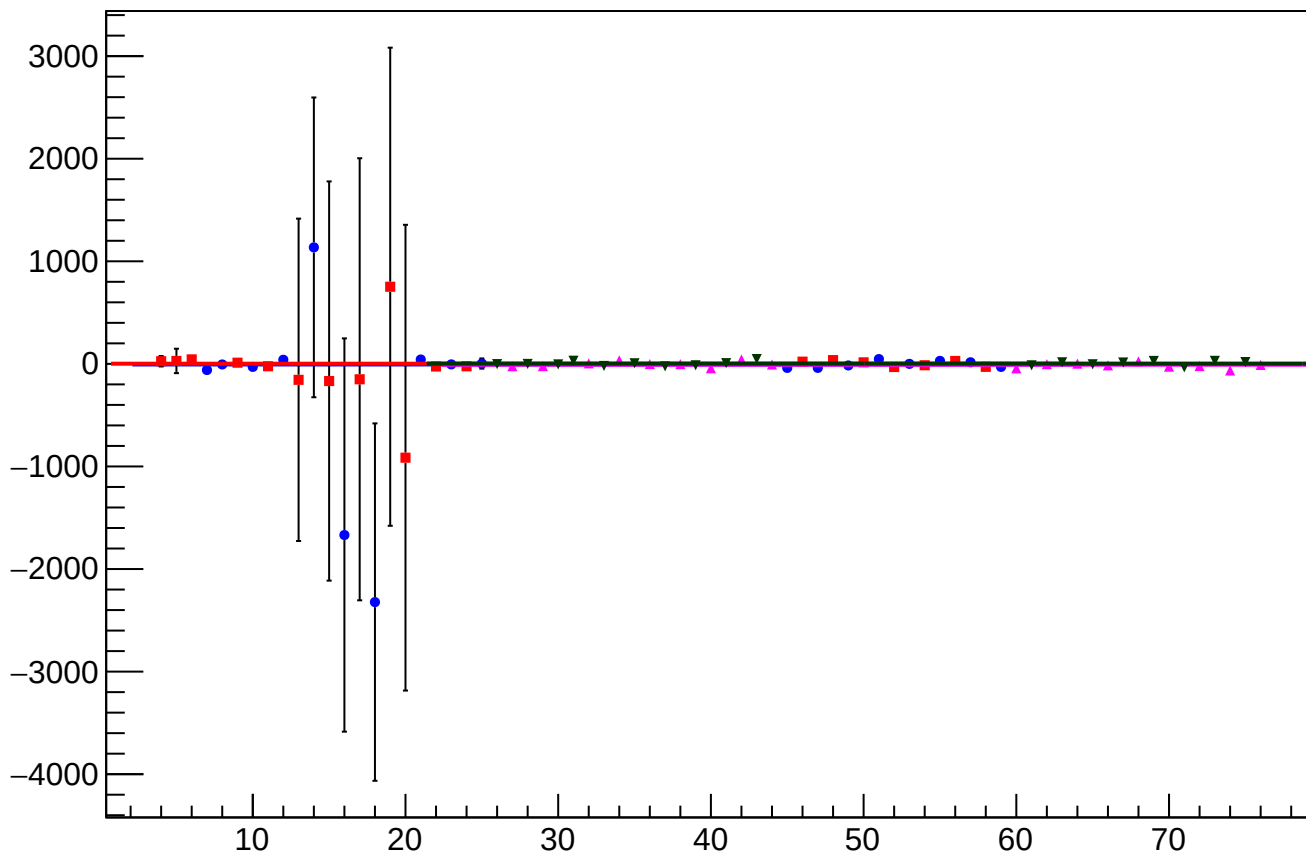
144.917+/-0.024 χ^2/NDF : 5072678.4/35

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

134.232+/-0.023 χ^2/NDF : 6094826.5/36

Left In: 127.904+/-0.029 χ^2/NDF : 840034.2/17

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: 2.725+/-6.890 χ^2/NDF : 9.4/17

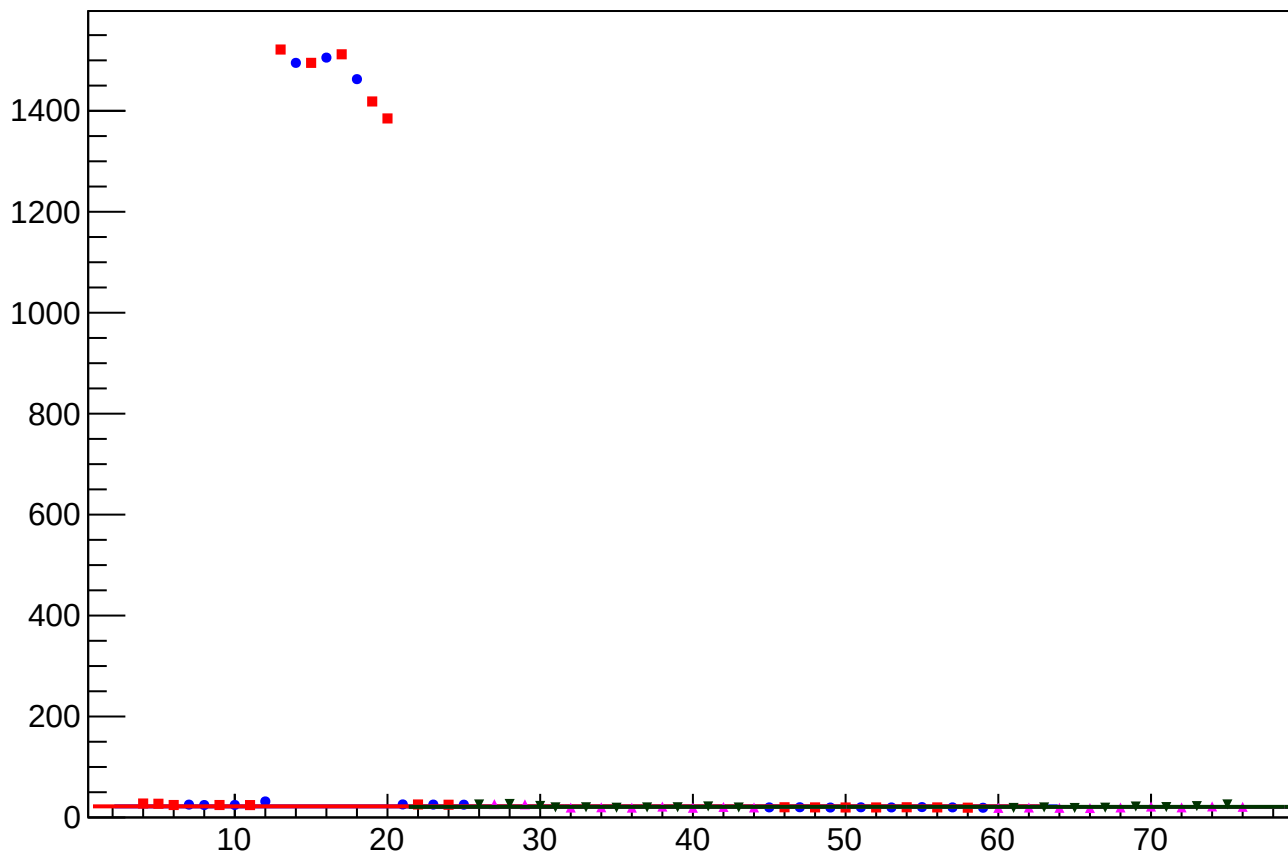
Right Out: 1.722+/-8.261 χ^2/NDF : 10.4/18

Left In: -8.746+/-6.499 χ^2/NDF : 15.0/17

-1.176+/-5.039 χ^2/NDF : 28.9/35

-4.744+/-5.108 χ^2/NDF : 26.4/36

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: 20.940+/-0.005 χ^2/NDF :206577.0/17

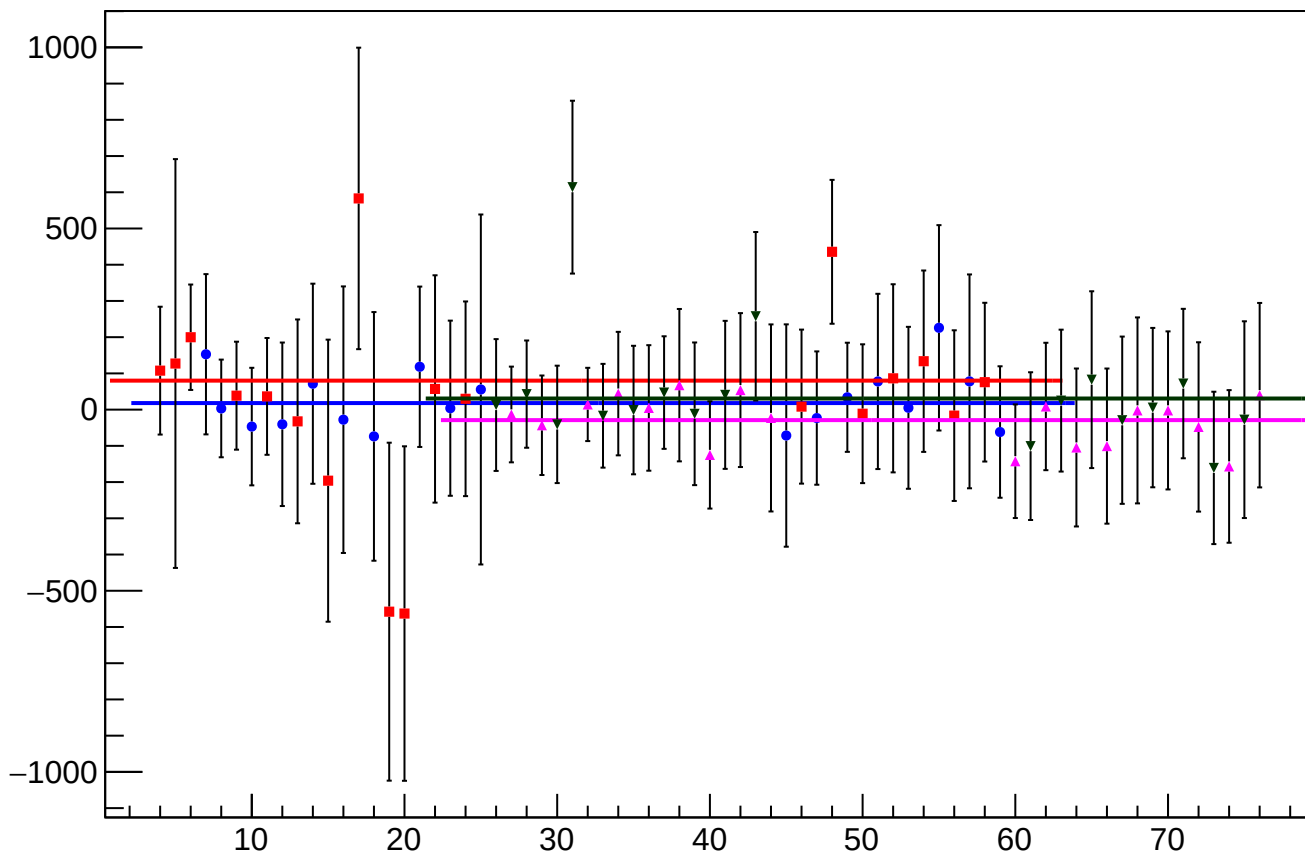
Right Out: 21.987+/-0.006 χ^2/NDF : 5559967.3/18

Left In: 20.674+/-0.005 χ^2/NDF :206623.8/17

21.395+/-0.004 χ^2/NDF : 5157079.0/35

21.176+/-0.004 χ^2/NDF : 5797781.0/36

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: 30.702 $\pm$ 45.280 χ^2 /NDF: 8.8/17

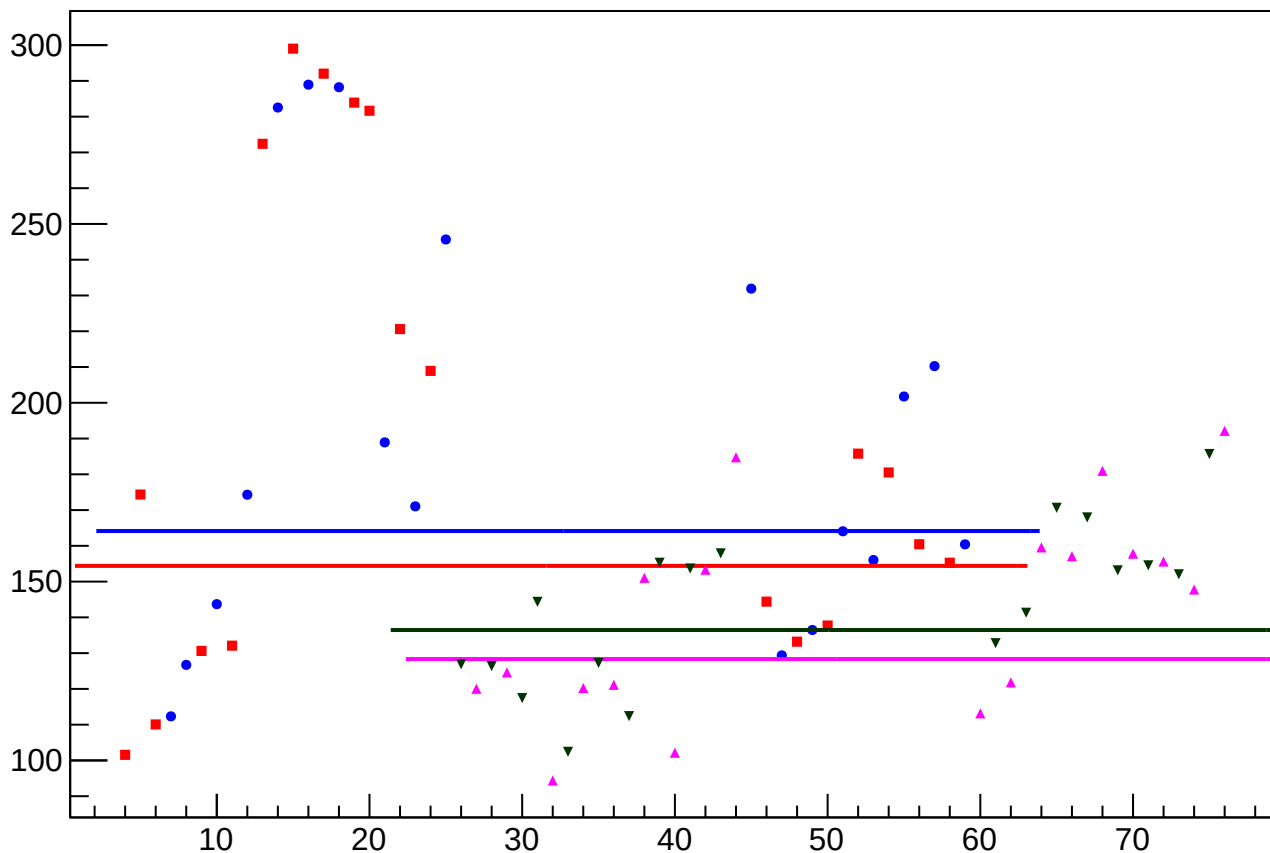
Right Out: 80.043 $\pm$ 52.081 χ^2 /NDF: 10.6/18

Left In: -28.963 $\pm$ 41.186 χ^2 /NDF: 2.5/17

25.190 $\pm$ 33.957 χ^2 /NDF: 10.8/35

12.978 $\pm$ 32.305 χ^2 /NDF: 15.8/36

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: 136.465 $\pm$ 0.032 χ^2 /NDF: 442386.5/17

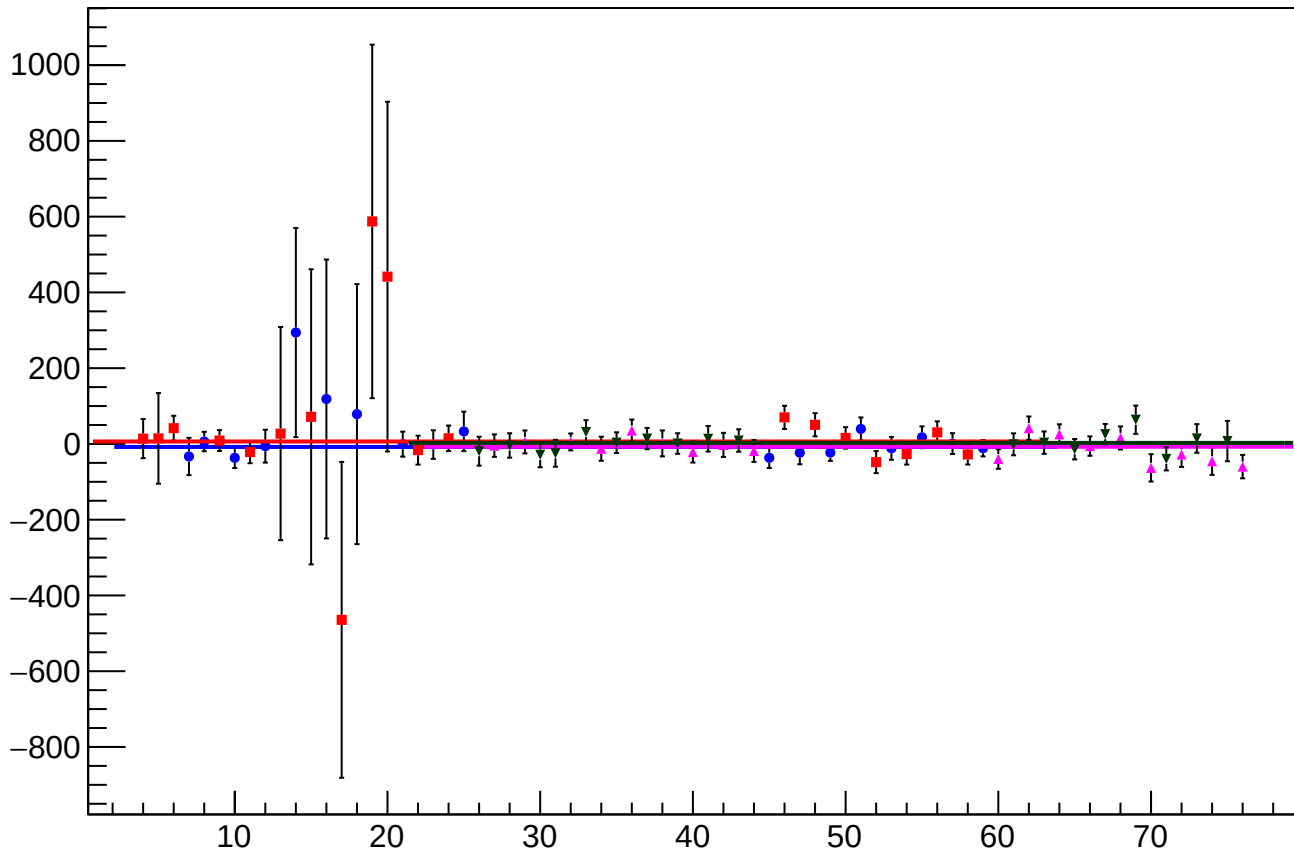
148.576 $\pm$ 0.024 χ^2 /NDF: 2335870.5/35

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

138.366 $\pm$ 0.023 χ^2 /NDF: 3024439.3/36

Left In: 128.343 $\pm$ 0.029 χ^2 /NDF: 840973.1/17

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: 2.730+/-7.390 χ^2 /NDF:8.9/17

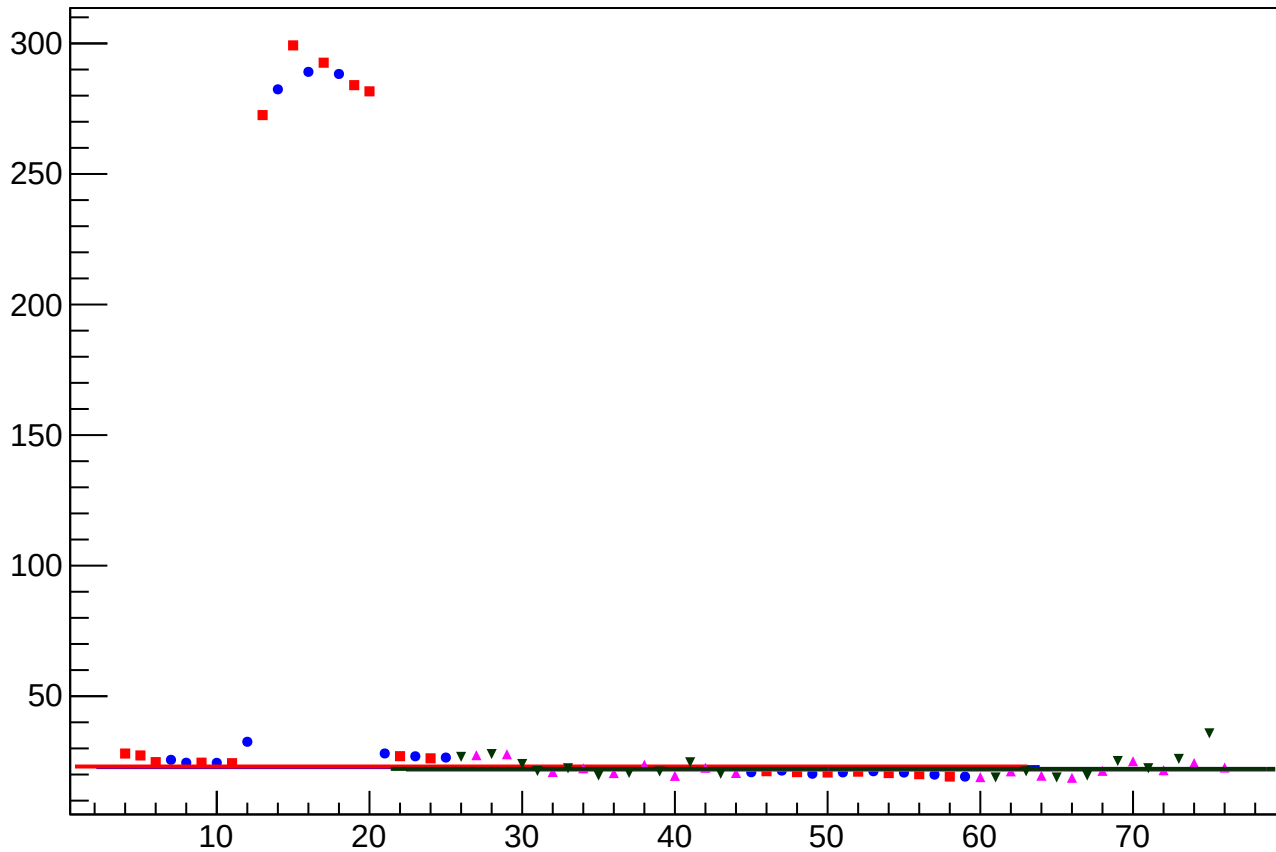
-2.474+/-5.299 χ^2 /NDF: 18.9/35

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

-1.894+/-5.368 χ^2 /NDF: 37.8/36

Left In: -7.485+/-6.935 χ^2 /NDF:16.1/17

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs slug



Right In: 22.854 $\pm$ 0.005 χ^2 /NDF: 4363507.8/17

Left Out: 22.164 $\pm$ 0.005 χ^2 /NDF: 384766.7/17

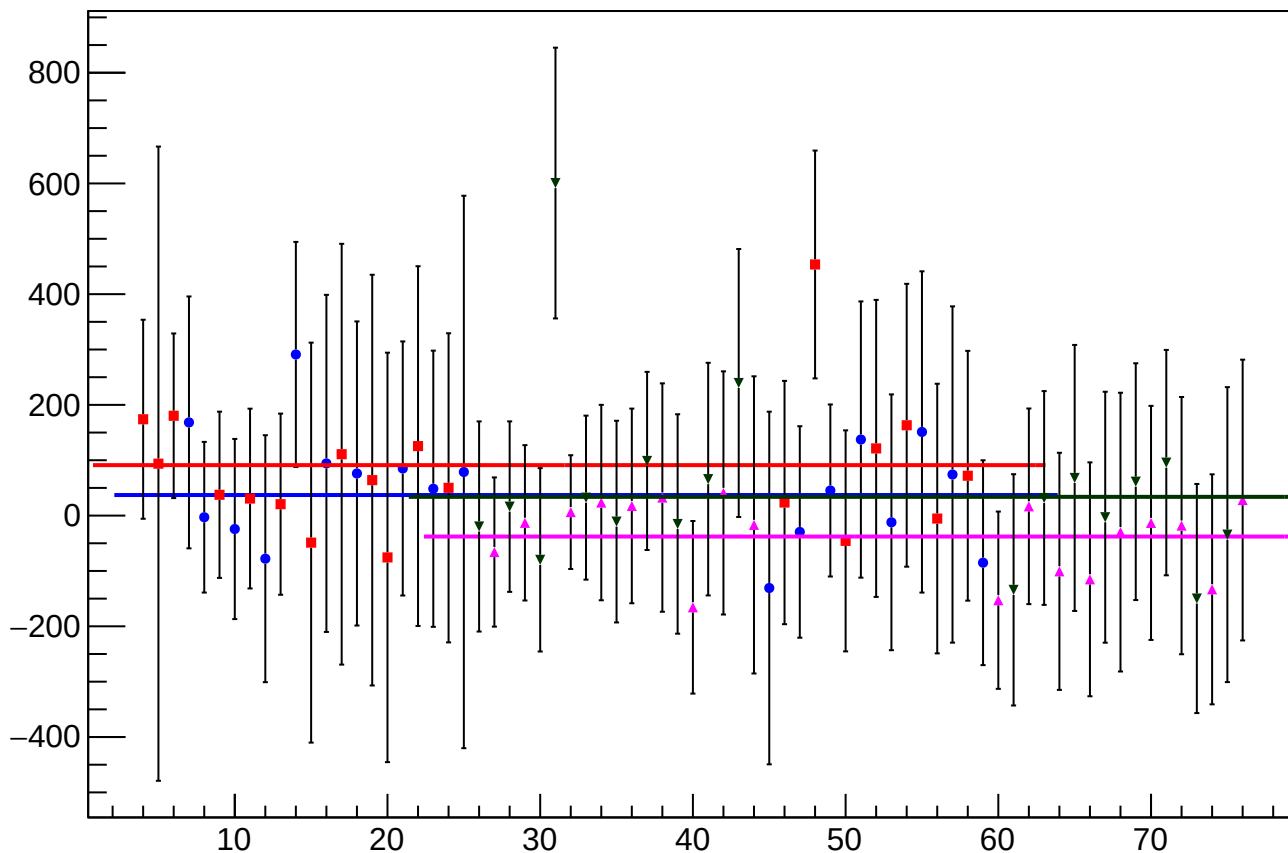
22.499 $\pm$ 0.004 χ^2 /NDF: 4756745.5/35

Right Out: 23.069 $\pm$ 0.006 χ^2 /NDF: 4856723.7/18

22.333 $\pm$ 0.004 χ^2 /NDF: 5159029.8/36

Left In: 21.841 $\pm$ 0.005 χ^2 /NDF: 277181.5/17

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs slug



Right In: 37.153+/-51.038 χ^2/NDF : 3.7/17

Left Out: 33.851+/-46.000 χ^2/NDF : 8.6/17

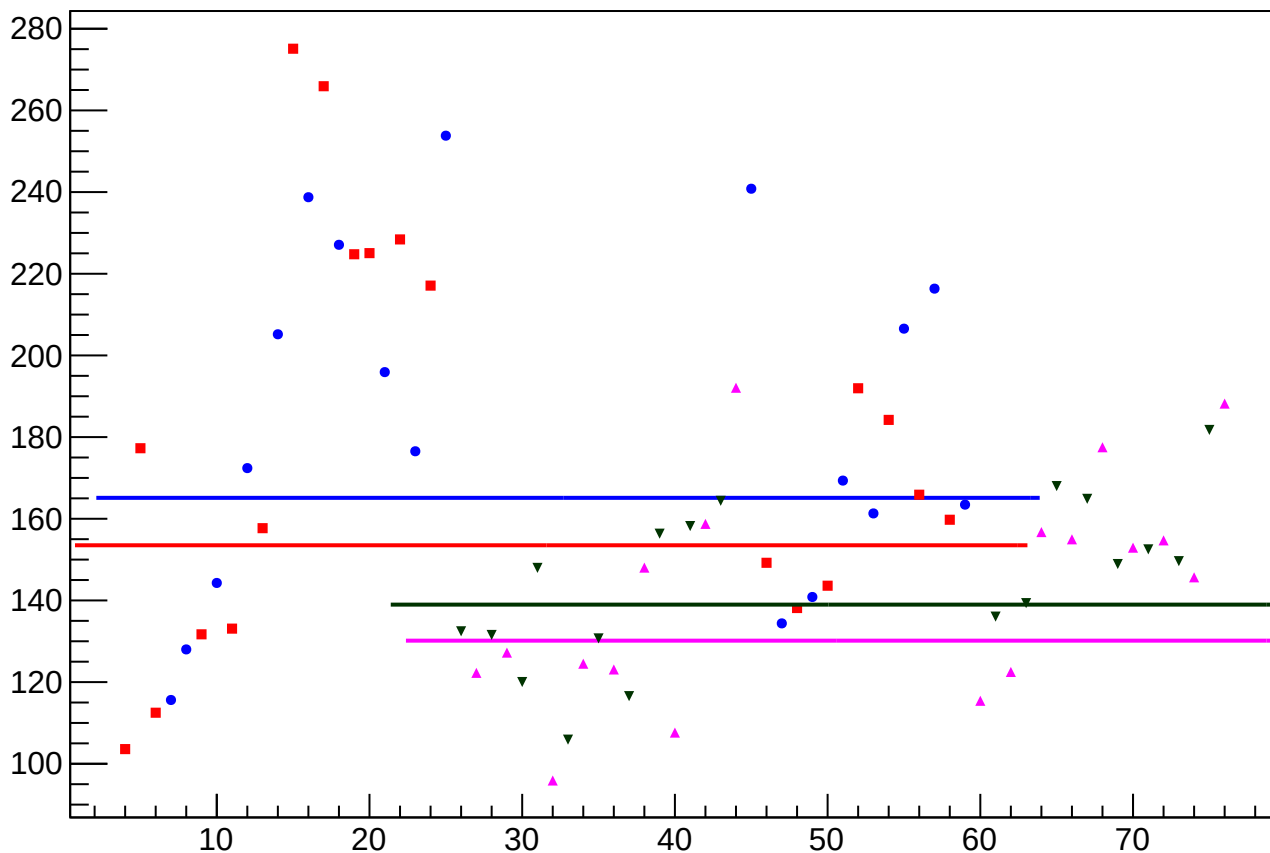
Right Out: 91.157+/-50.934 χ^2/NDF : 5.3/18

Left In: -37.833+/-41.706 χ^2/NDF : 2.5/17

35.331+/-34.170 χ^2/NDF : 12.3/35

13.939+/-32.268 χ^2/NDF : 11.7/36

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: 138.975+/-0.033 χ^2/NDF : 358443.4/17

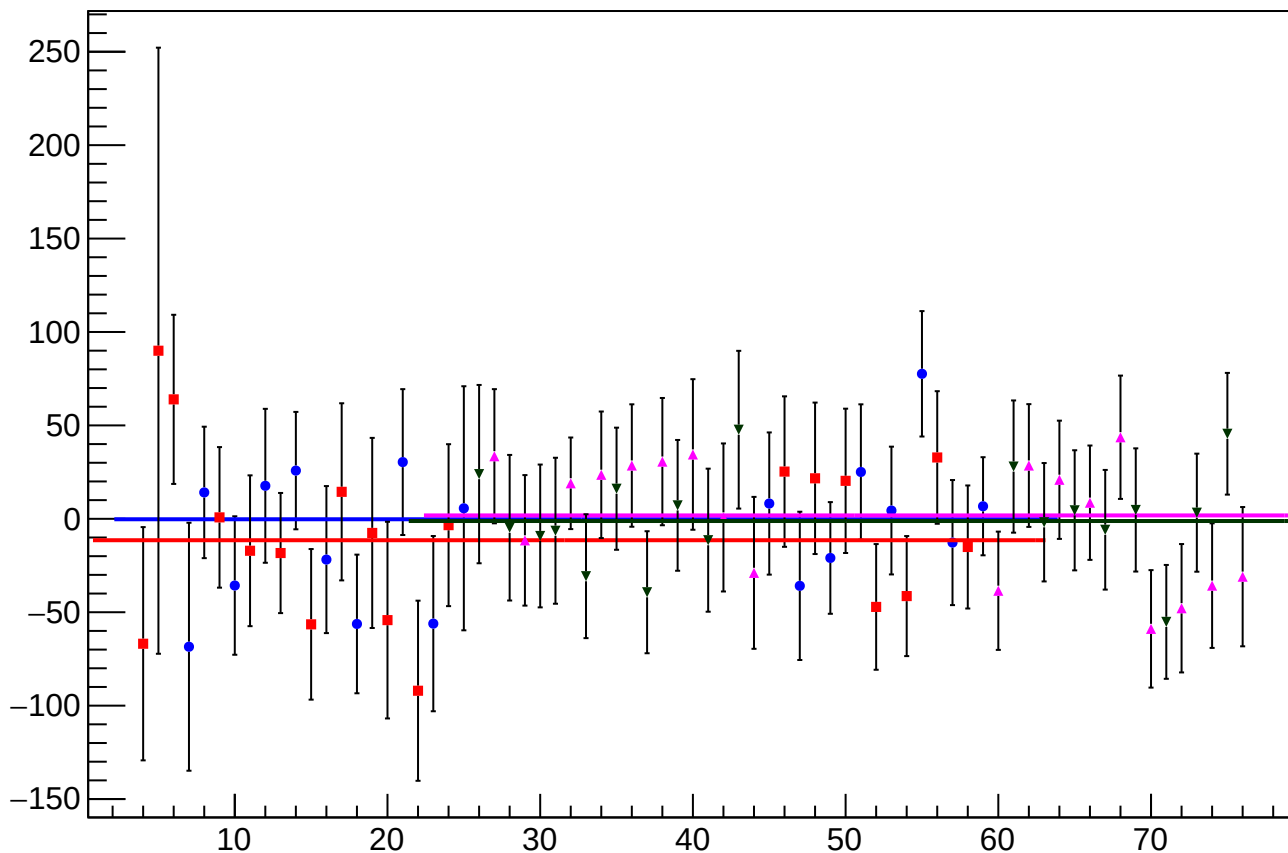
150.696+/-0.024 χ^2/NDF : 1638798.2/35

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

139.527+/-0.023 χ^2/NDF : 2234053.6/36

Left In: 130.152+/-0.029 χ^2/NDF : 743676.4/17

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: -1.177 ± 8.176 χ^2/NDF : 10.2/17

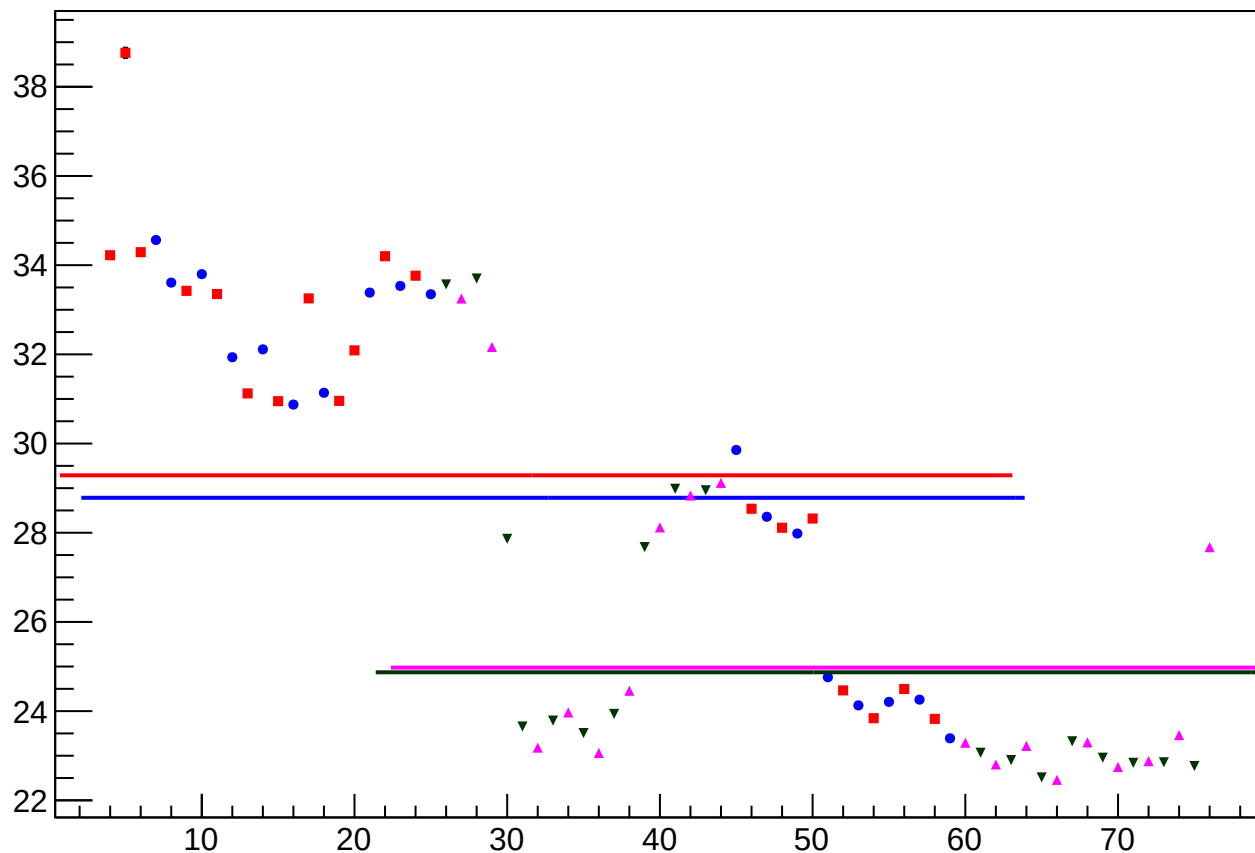
Right Out: -11.462 ± 9.405 χ^2/NDF : 14.9/18

Left In: 1.820 ± 7.864 χ^2/NDF : 16.6/17

-0.734 ± 5.941 χ^2/NDF : 25.3/35

-3.645 ± 6.033 χ^2/NDF : 32.7/36

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: 24.871 $\pm$ 0.006 χ^2 /NDF:305706.6/17

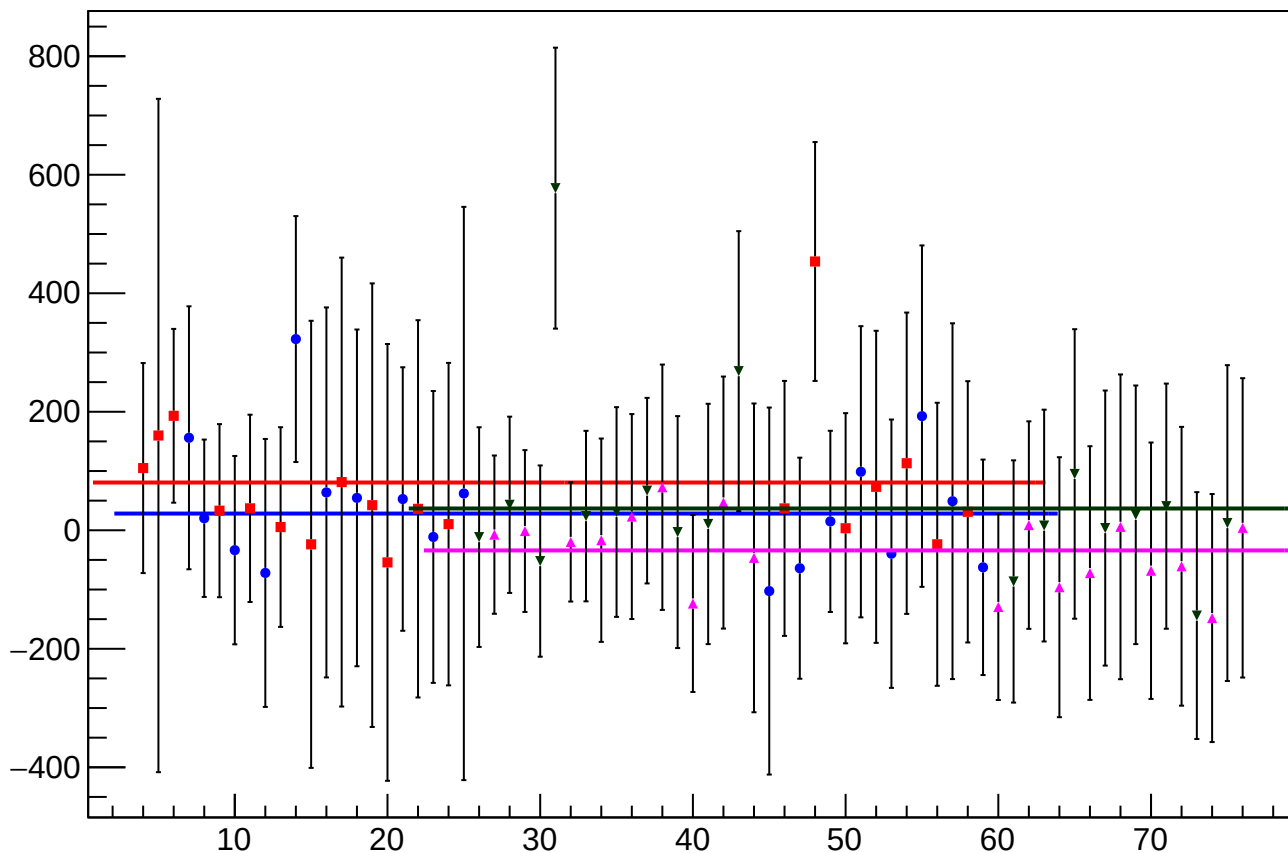
Right Out: 29.288 $\pm$ 0.007 χ^2 /NDF: 355757.4/18

Left In: 24.976 $\pm$ 0.006 χ^2 /NDF:334033.7/17

26.718 $\pm$ 0.004 χ^2 /NDF: 940468.3/35

26.750 $\pm$ 0.004 χ^2 /NDF: 937174.5/36

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: 36.782+/-45.326 χ^2/NDF : 7.9/17

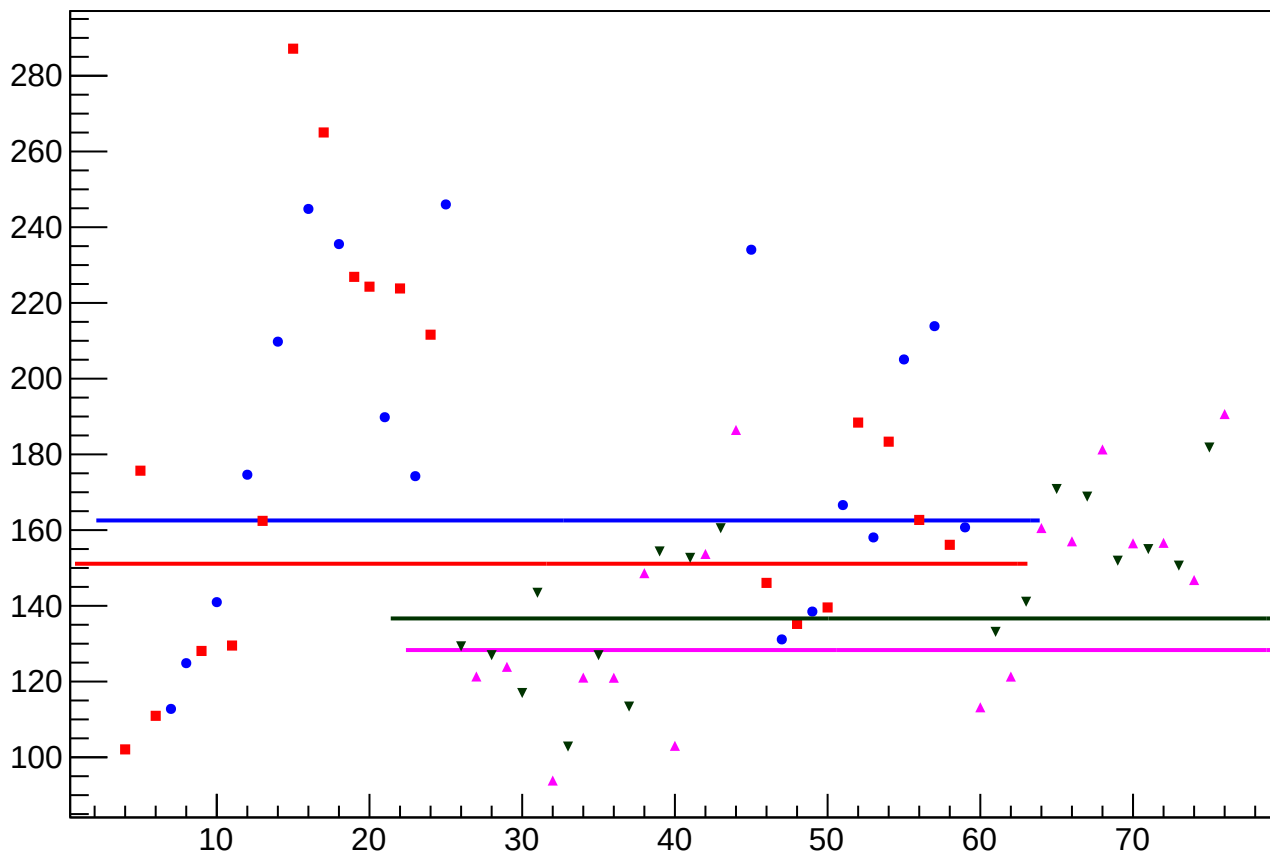
Right Out: 80.614+/-50.242 χ^2/NDF : 5.2/18

Left In: -33.991+/-41.175 χ^2/NDF : 1.9/17

32.952+/-33.688 χ^2/NDF : 11.8/35

12.055+/-31.847 χ^2/NDF : 10.2/36

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: 136.667 $\pm$ 0.032 χ^2 /NDF:424123.4/17

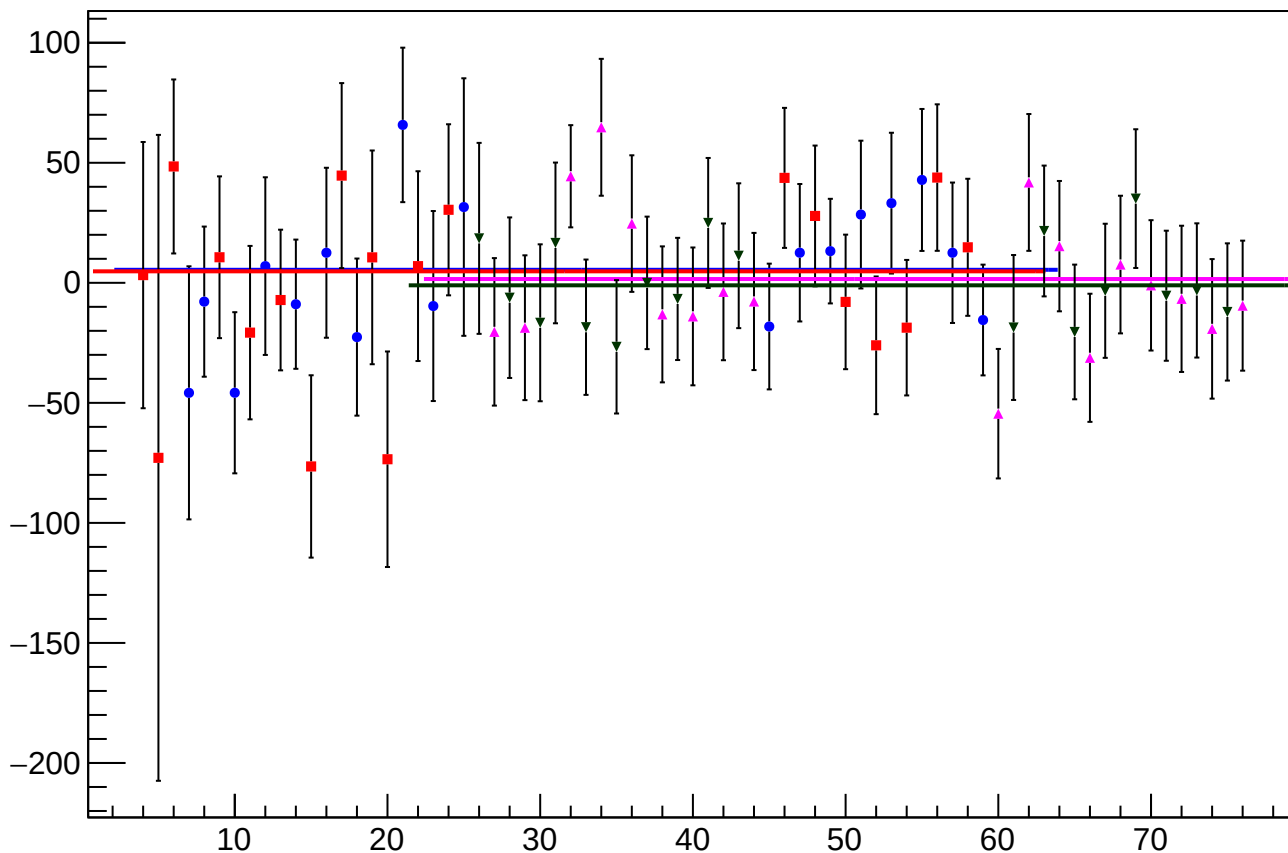
148.252 $\pm$ 0.024 χ^2 /NDF: 1805302.5/35

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

137.480 $\pm$ 0.023 χ^2 /NDF: 2393059.8/36

Left In: 128.321 $\pm$ 0.029 χ^2 /NDF:840311.0/17

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs slug



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

Left Out: -1.042 ± 6.853 χ^2/NDF : 6.4/17

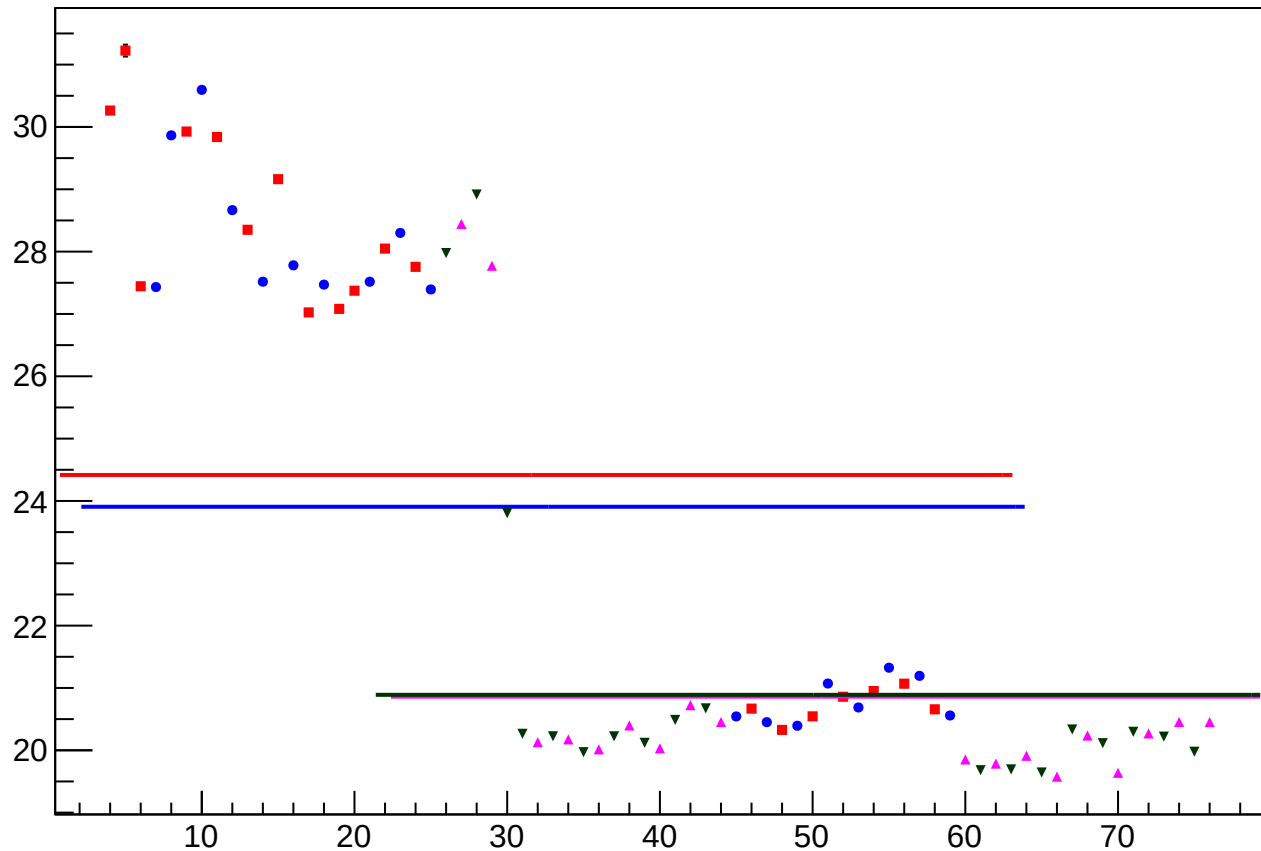
Right Out: 4.784 ± 7.872 χ^2/NDF : 17.9/18

Left In: 1.579 ± 6.549 χ^2/NDF : 20.2/17

2.031 ± 4.965 χ^2/NDF : 20.2/35

2.890 ± 5.034 χ^2/NDF : 38.2/36

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs slug



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

Left Out: 20.890+/-0.005 χ^2/NDF : 219606.4/17

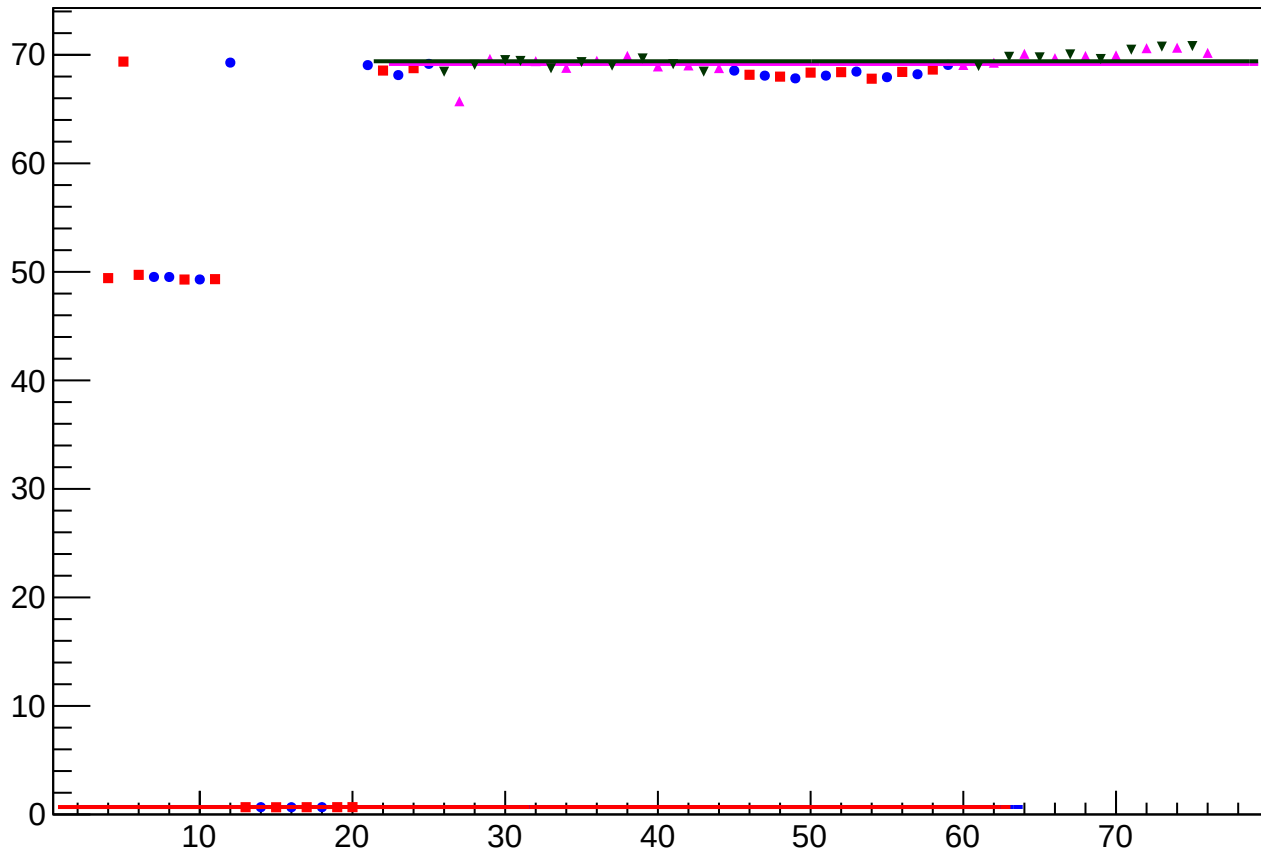
Right Out: 24.417+/-0.006 χ^2/NDF : 496476.9/18

Left In: 20.861+/-0.005 χ^2/NDF : 254214.2/17

22.323+/-0.004 χ^2/NDF : 969653.3/35

22.315+/-0.004 χ^2/NDF : 991932.1/36

yield_bcm_an_ds_mean vs slug



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

Left Out: 69.408+/-0.000 χ^2/NDF : 101942724.9/17

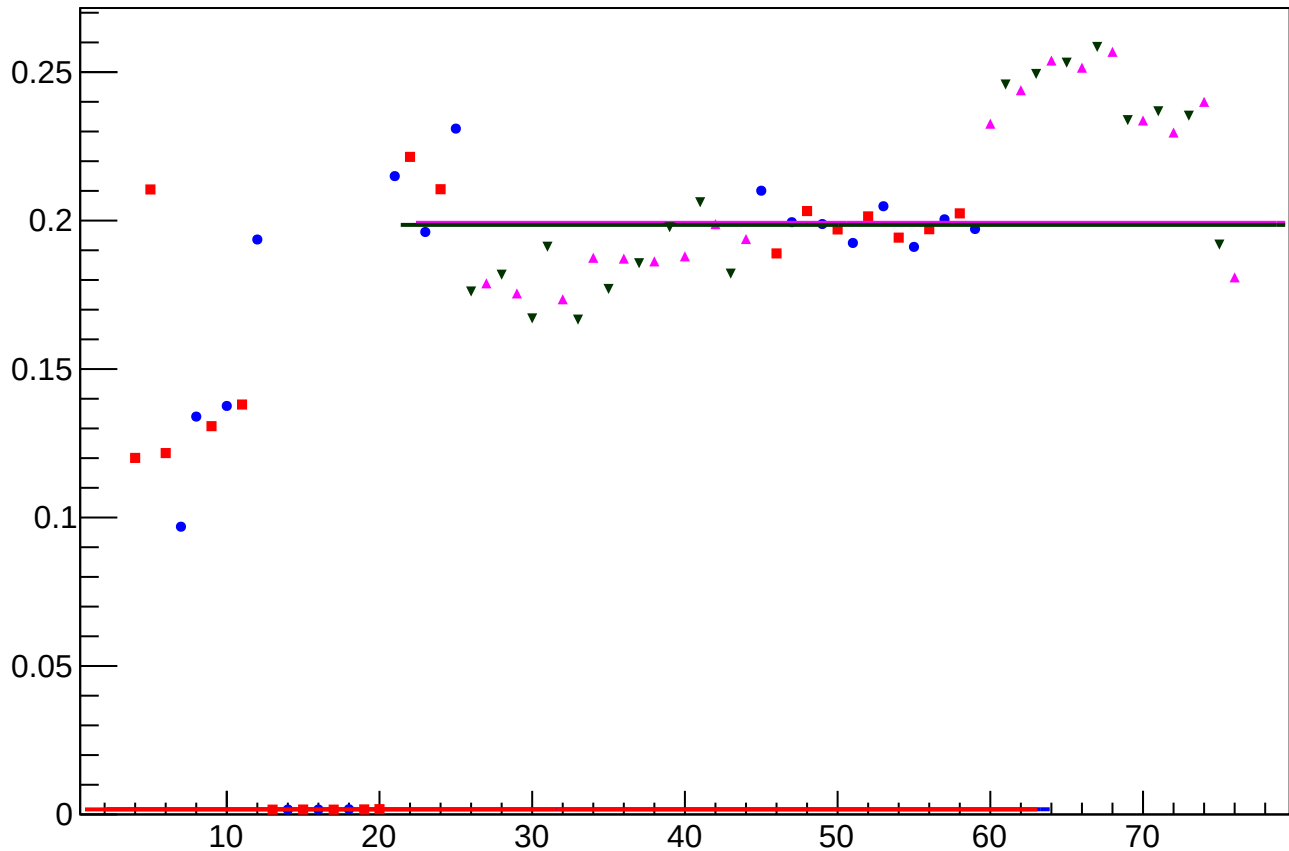
0.707+/-0.000 χ^2/NDF : 2110114291569.5/35

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

0.701+/-0.000 χ^2/NDF : 2006817221606.3/36

Left In: 69.159+/-0.000 χ^2/NDF : 397745473.1/17

yield_bcm_an_ds_rms vs slug



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

Left Out: 0.199 $\pm$ 0.000 χ^2 /NDF:381775.1/17

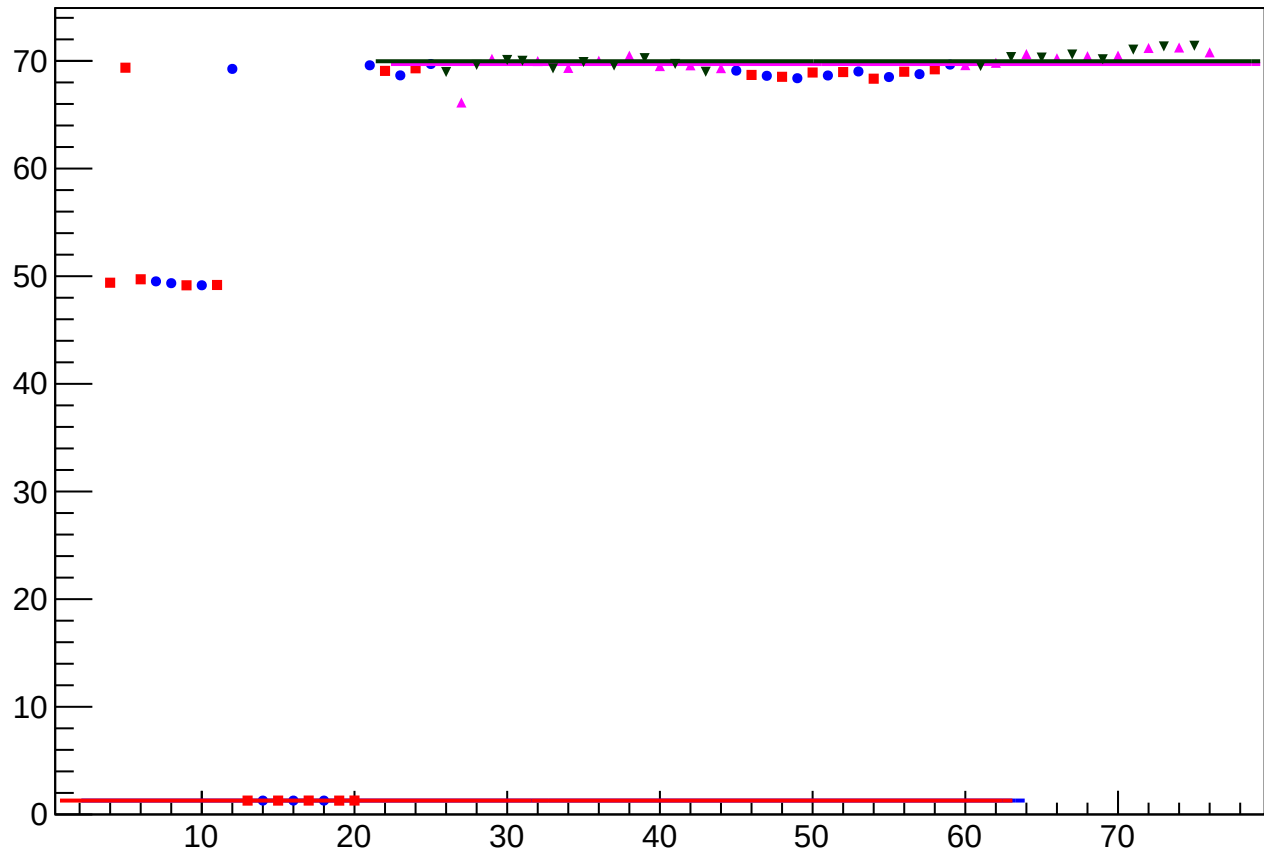
Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 13510450.3/18

Left In: 0.199 $\pm$ 0.000 χ^2 /NDF:382949.5/17

0.002 $\pm$ 0.000 χ^2 /NDF: 34881132.8/35

0.002 $\pm$ 0.000 χ^2 /NDF: 33212377.1/36

yield_bcm_an_ds3_mean vs slug



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

Left Out: 69.969+/-0.000 χ^2/NDF : 101198921.6/17

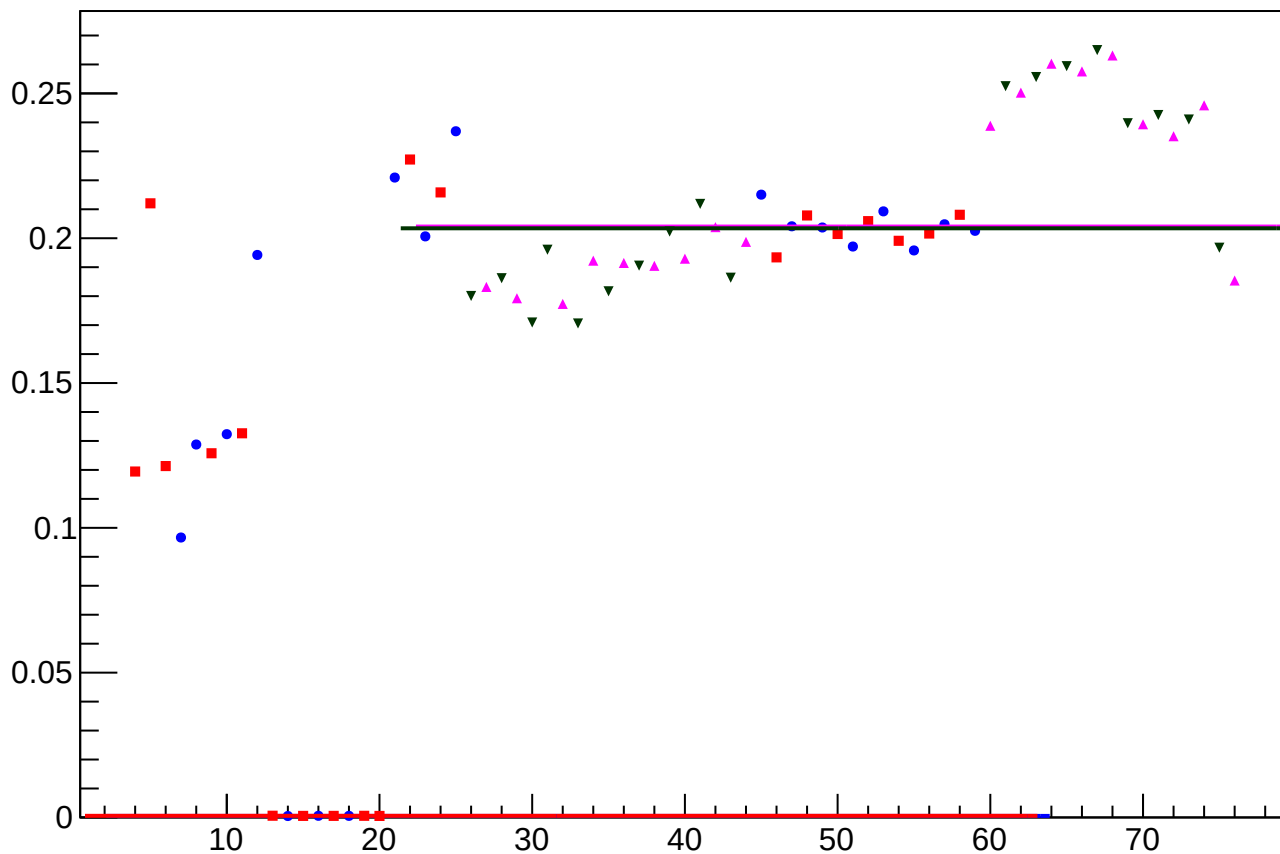
1.293+/-0.000 χ^2/NDF : 2031126442596.7/35

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

1.292+/-0.000 χ^2/NDF : 1932087618023.5/36

Left In: 69.710+/-0.000 χ^2/NDF : 407523121.6/17

yield_bcm_an_ds3_rms vs slug



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

Left Out: 0.203+/-0.000 χ^2/NDF : 384091.2/17

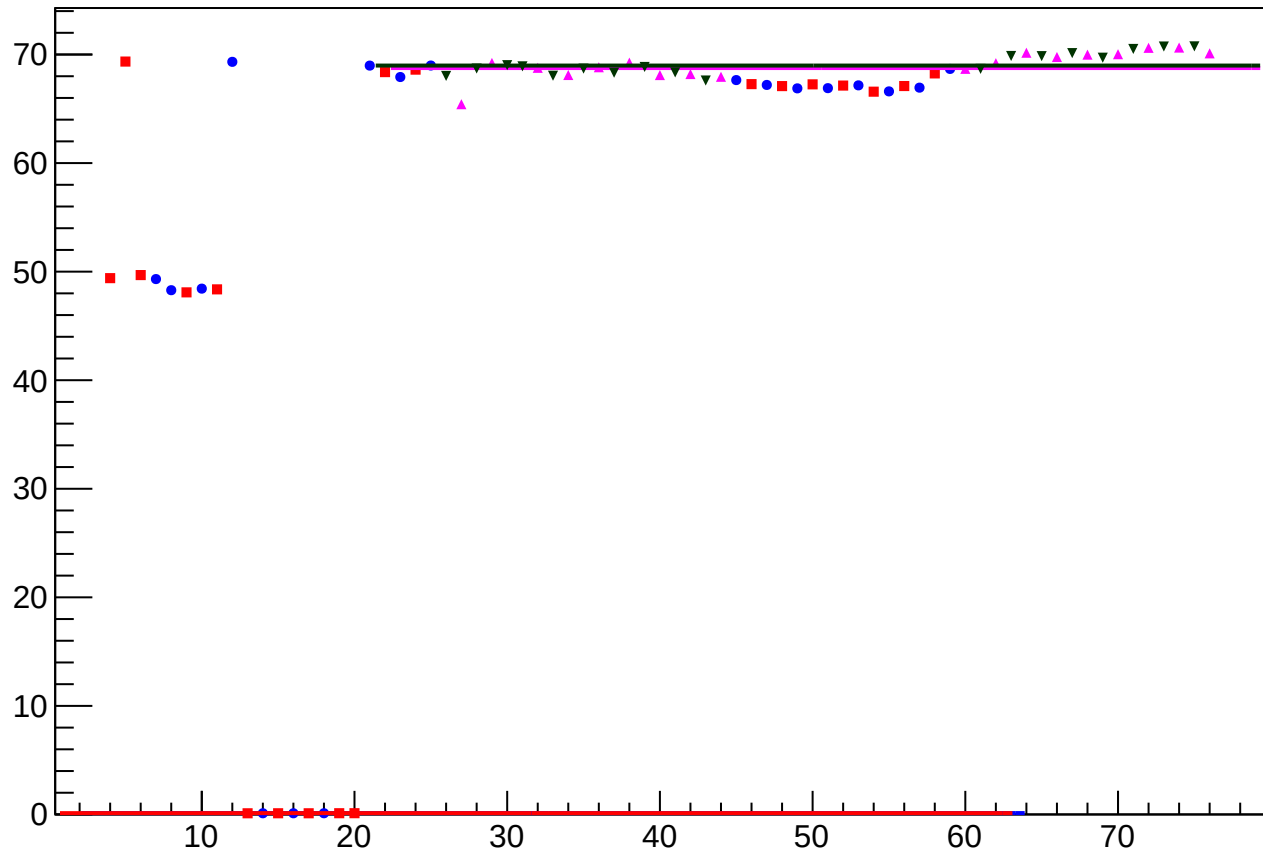
Right Out: 0.001+/-0.000 χ^2/NDF : 13695888.0/18

Left In: 0.204+/-0.000 χ^2/NDF : 386882.1/17

0.001+/-0.000 χ^2/NDF : 35348786.2/35

0.001+/-0.000 χ^2/NDF : 33625894.0/36

yield_bcm_an_us_mean vs slug



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

Left Out: 68.983+/-0.000 χ^2/NDF : 191242386.8/17

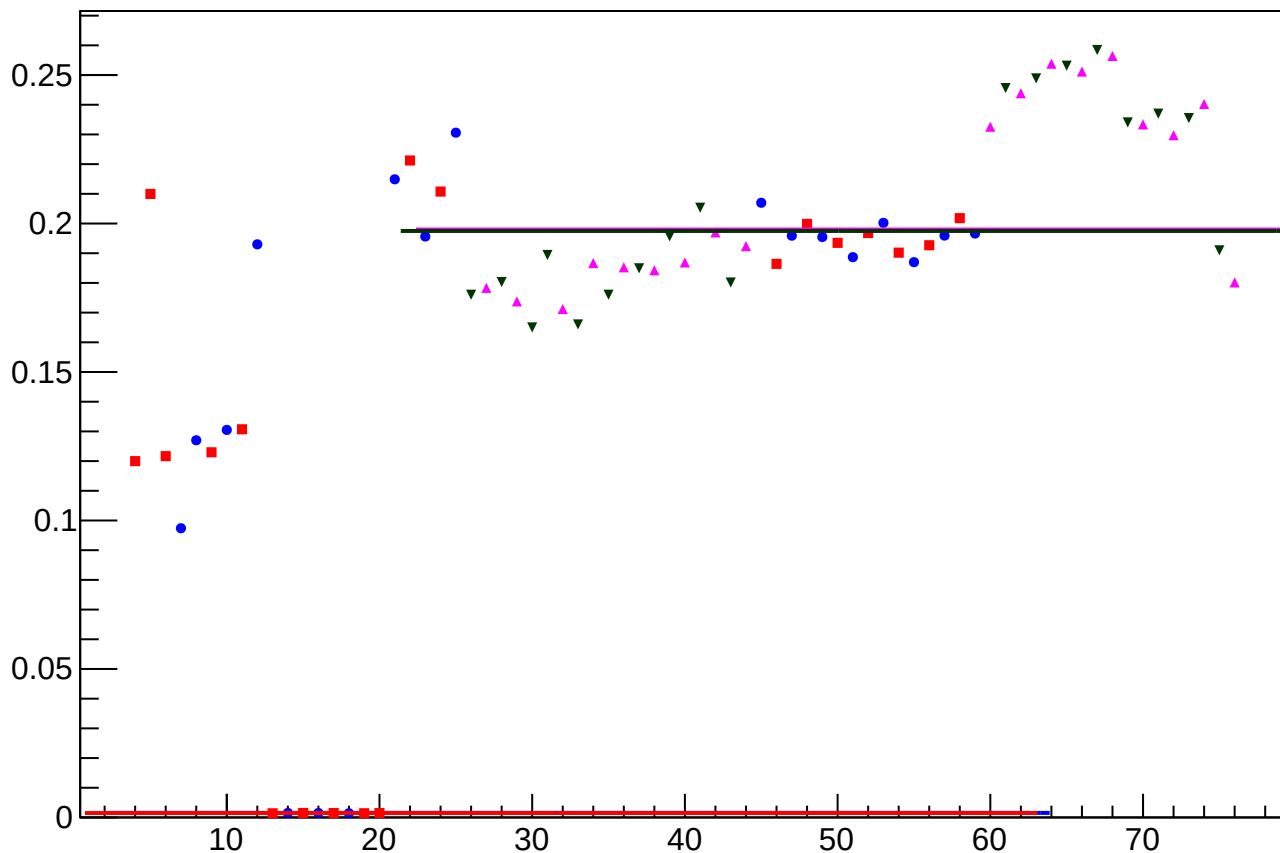
Right Out: 0.122+/-0.000 χ^2/NDF : 876428994690.6/18

Left In: 68.754+/-0.000 χ^2/NDF : 463492249.4/17

0.141+/-0.000 χ^2/NDF : 2157233378726.6/35

0.135+/-0.000 χ^2/NDF : 2056462212331.5/36

yield_bcm_an_us_rms vs slug



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

Left Out: 0.197 $\pm$ 0.000 χ^2 /NDF:396022.9/17

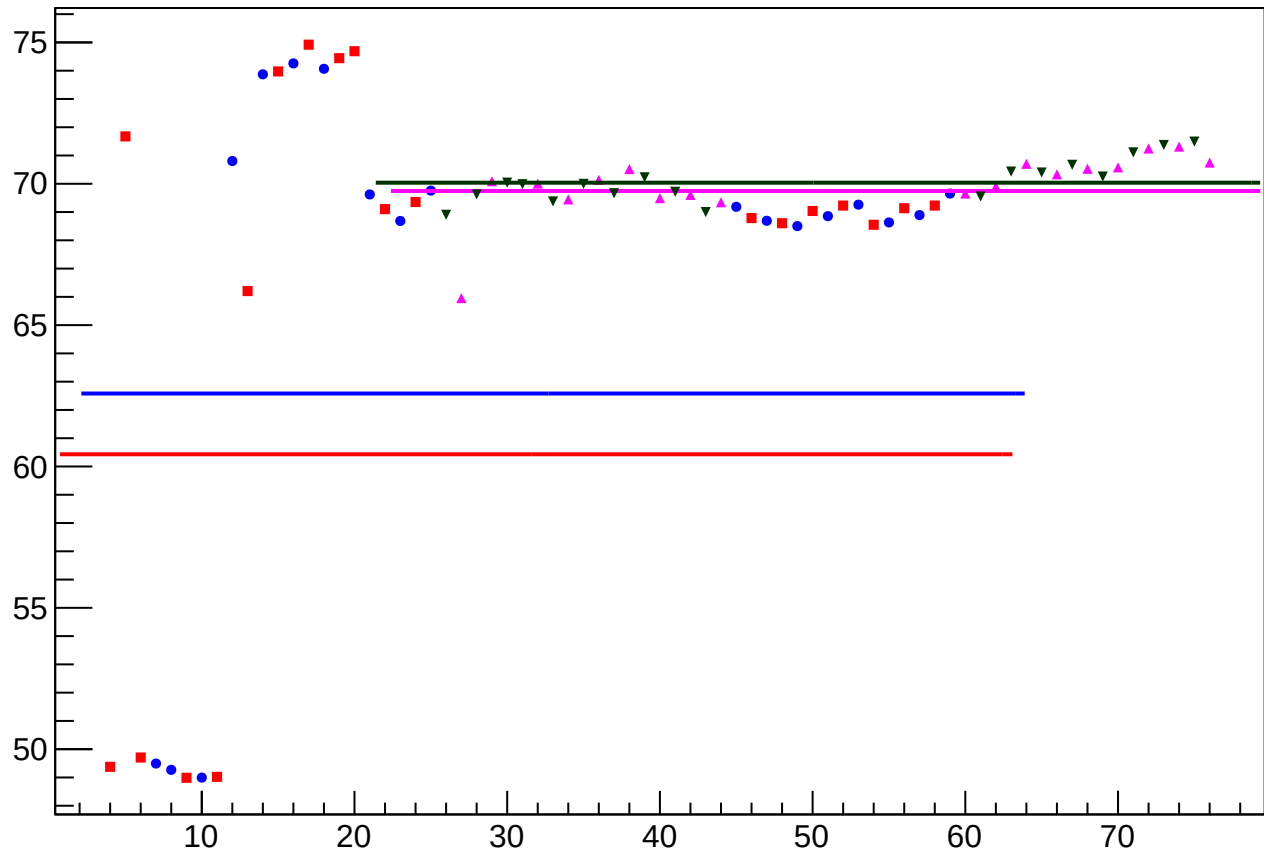
Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 13535654.6/18

Left In: 0.198 $\pm$ 0.000 χ^2 /NDF:401700.6/17

0.002 $\pm$ 0.000 χ^2 /NDF: 34924303.8/35

0.002 $\pm$ 0.000 χ^2 /NDF: 33276112.9/36

yield_bcm_dg_us_mean vs slug



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

Left Out: 70.038+/-0.000 χ^2/NDF :105416378.5/17

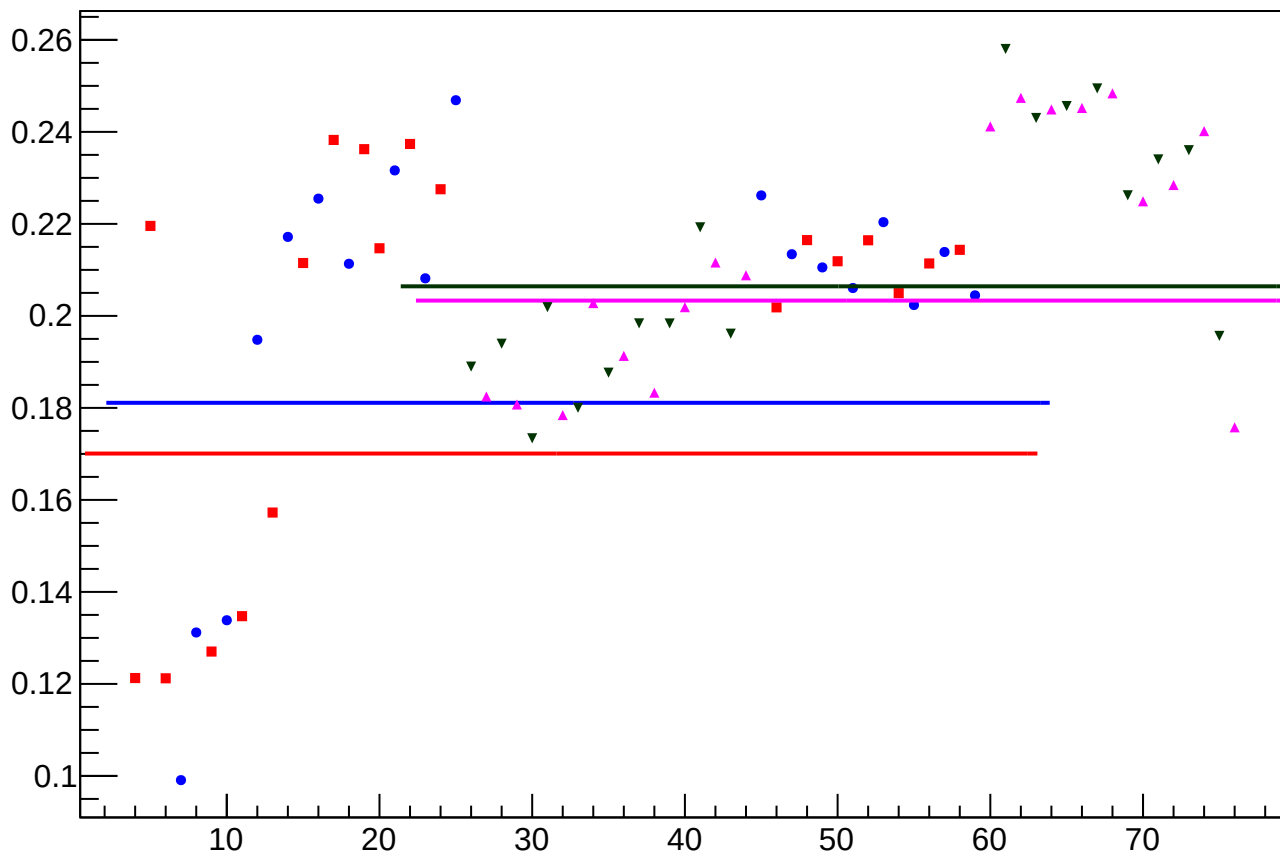
65.586+/-0.000 χ^2/NDF : 40822343382.8/35

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

64.502+/-0.000 χ^2/NDF : 45039461459.5/36

Left In: 69.745+/-0.000 χ^2/NDF :450781567.1/17

yield_bcm_dg_us_rms vs slug



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

Left Out: 0.206+/-0.000 χ^2/NDF : 247227.7/17

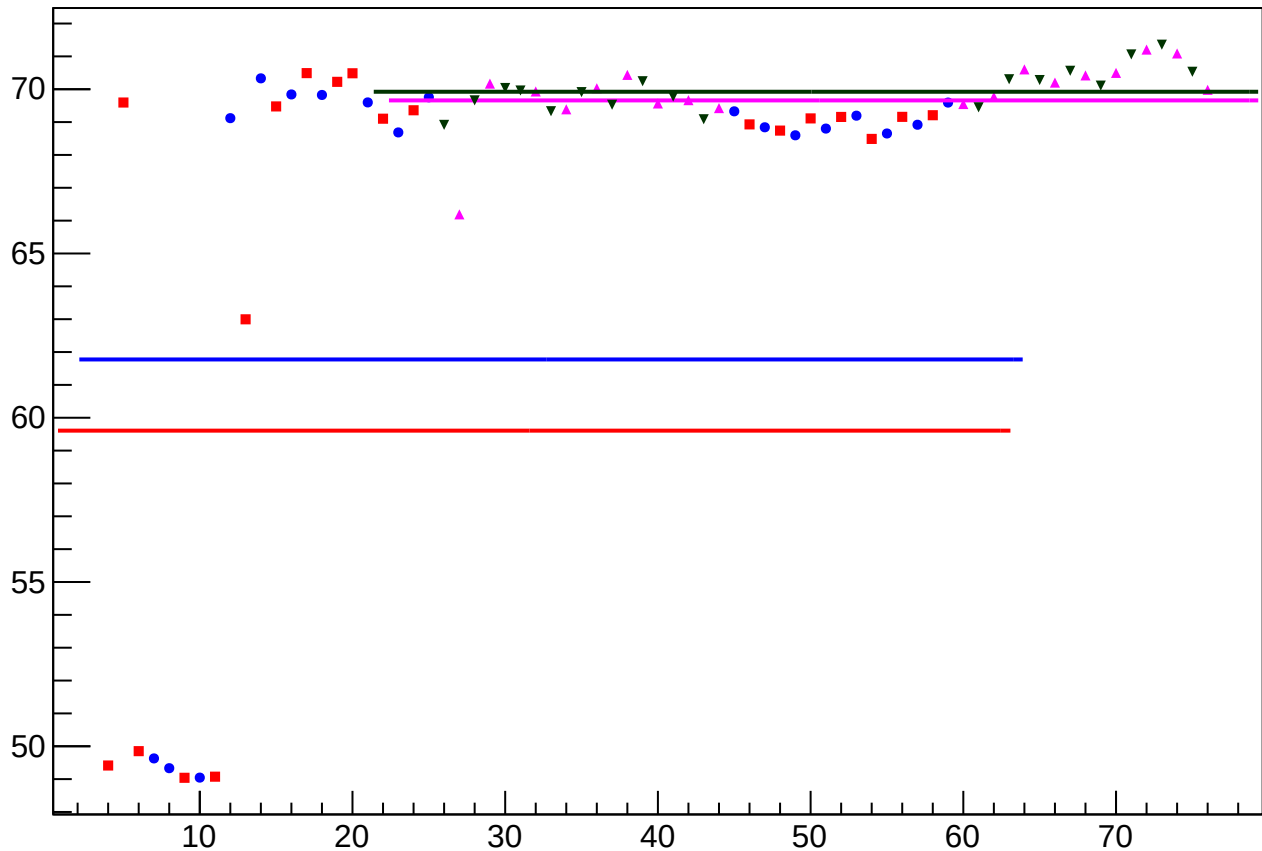
0.191+/-0.000 χ^2/NDF : 1625654.2/35

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

0.185+/-0.000 χ^2/NDF : 1798366.2/36

Left In: 0.203+/-0.000 χ^2/NDF : 318838.7/17

yield_bcm_dg_ds_mean vs slug



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

Left Out: 69.923 $\pm$ 0.000 χ^2 /NDF: 76631840.6/17

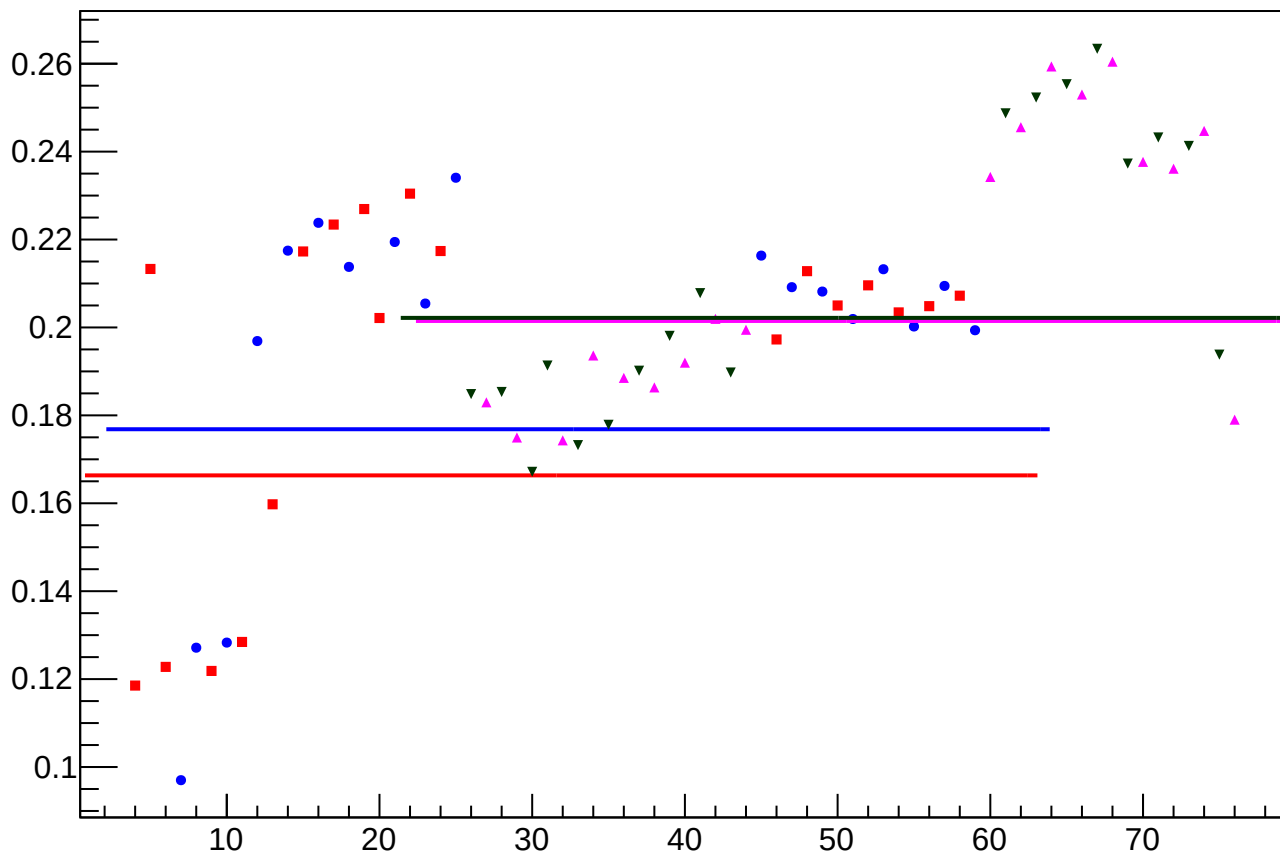
65.037 $\pm$ 0.000 χ^2 /NDF: 39782655460.0/35

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

63.930 $\pm$ 0.000 χ^2 /NDF: 43845890320.0/36

Left In: 69.660 $\pm$ 0.000 χ^2 /NDF: 371798365.6/17

yield_bcm_dg_ds_rms vs slug



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

Left Out: 0.202+/-0.000 χ^2/NDF : 372860.5/17

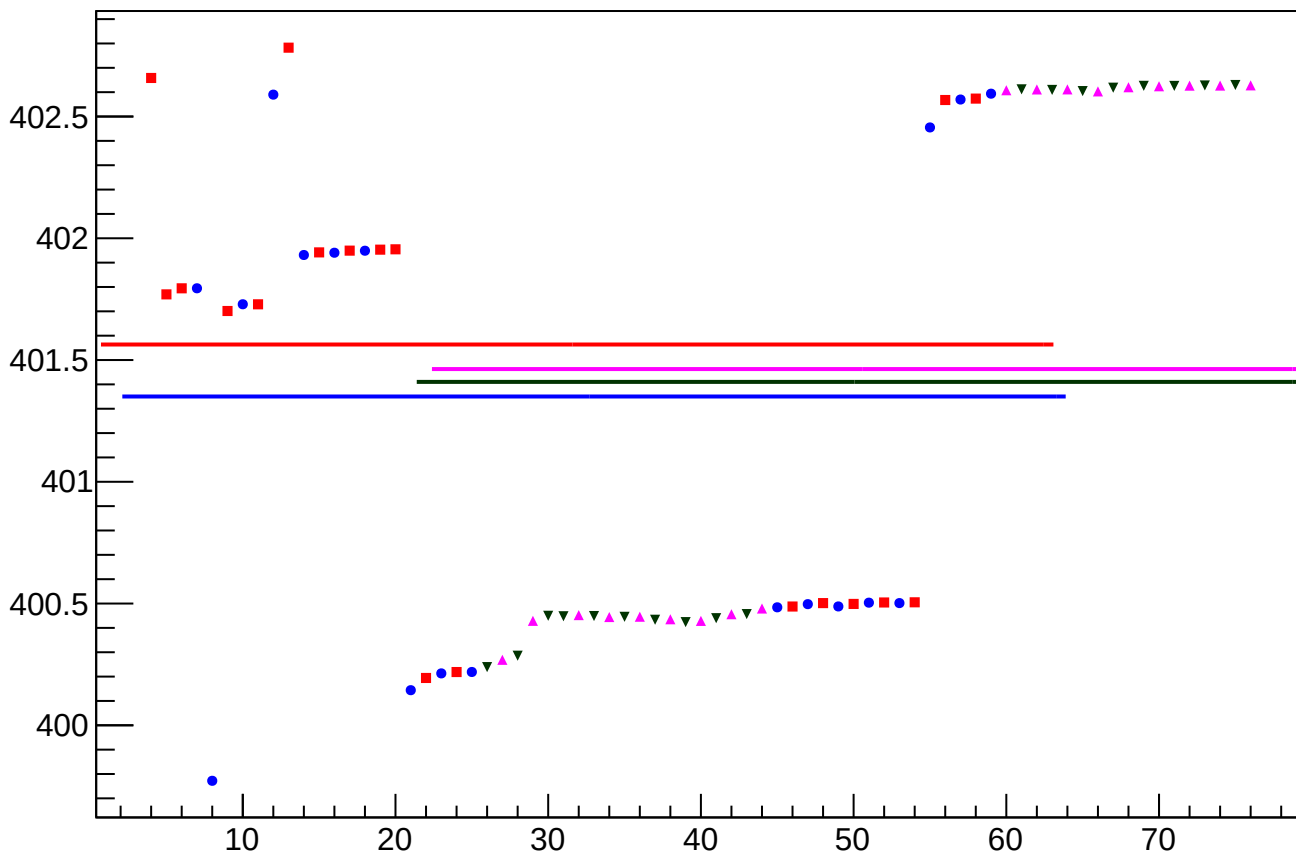
Right Out: 0.166+/-0.000 χ^2/NDF : 1156468.8/18

Left In: 0.201+/-0.000 χ^2/NDF : 401895.2/17

0.187+/-0.000 χ^2/NDF : 1818400.8/35

0.181+/-0.000 χ^2/NDF : 1898576.4/36

yield_cav4bQ_mean vs slug



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

Left Out: 401.410+/-0.000 χ^2/NDF : 258933633124.4/17

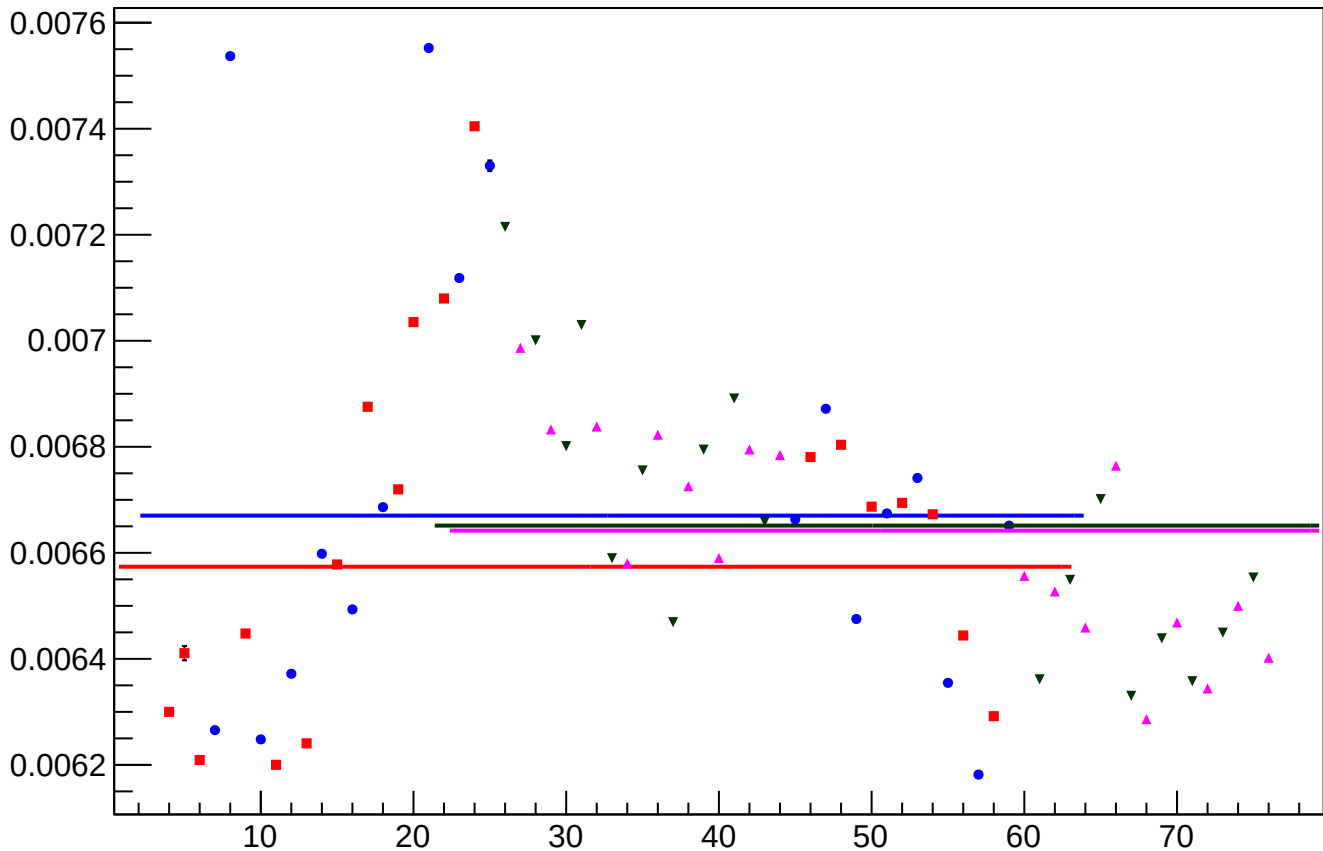
Right Out: 401.564+/-0.000 χ^2/NDF : 183973928948.5/18

Left In: 401.463+/-0.000 χ^2/NDF : 280781396561.4/17

401.378+/-0.000 χ^2/NDF : 494441750620.6/35

401.513+/-0.000 χ^2/NDF : 465933523011.7/36

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 :25027.3/17

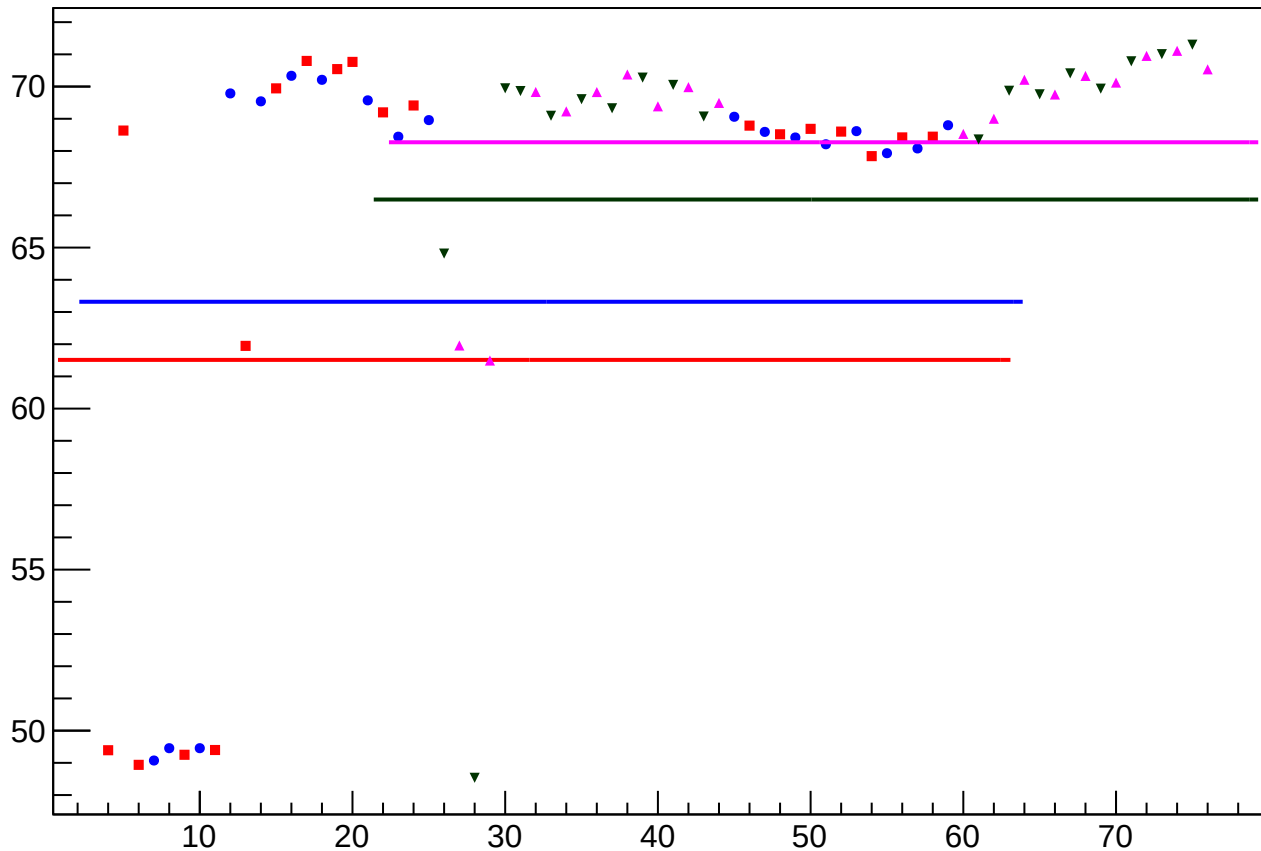
0.007+/-0.000 χ^2/NDF : 101790.9/35

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

0.007+/-0.000 χ^2/NDF : 67385.1/36

Left In: 0.007+/-0.000 χ^2/NDF :18631.5/17

yield_cav4cQ_mean vs slug



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

Left Out: 66.492+/-0.000 χ^2/NDF : 10116344459.4/17

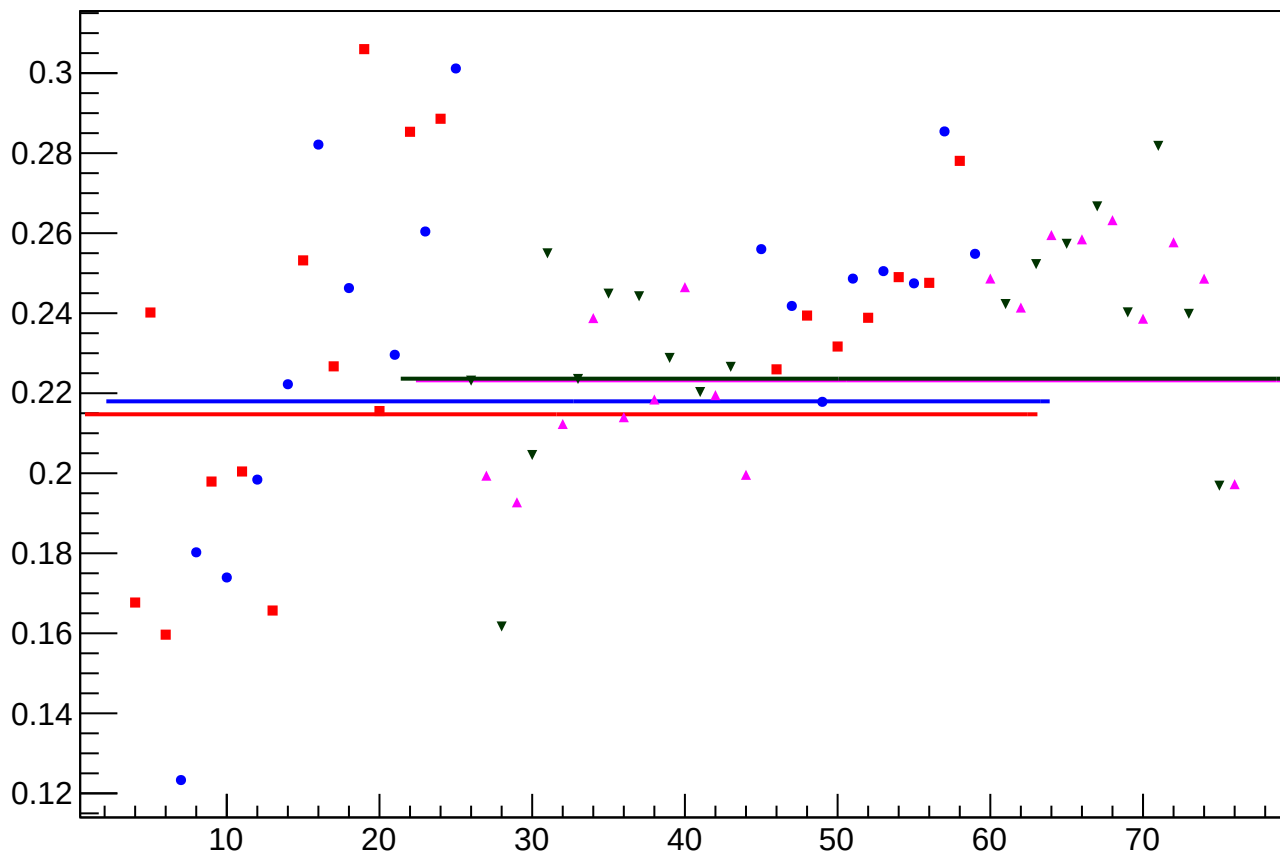
Right Out: 61.513+/-0.000 χ^2/NDF : 15349624825.1/18

Left In: 68.270+/-0.000 χ^2/NDF : 2115006634.6/17

64.745+/-0.000 χ^2/NDF : 28121979515.2/35

64.934+/-0.000 χ^2/NDF : 21771669699.8/36

yield_cav4cQ_rms vs slug



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

Left Out: 0.224+/-0.000 χ^2/NDF : 366910.7/17

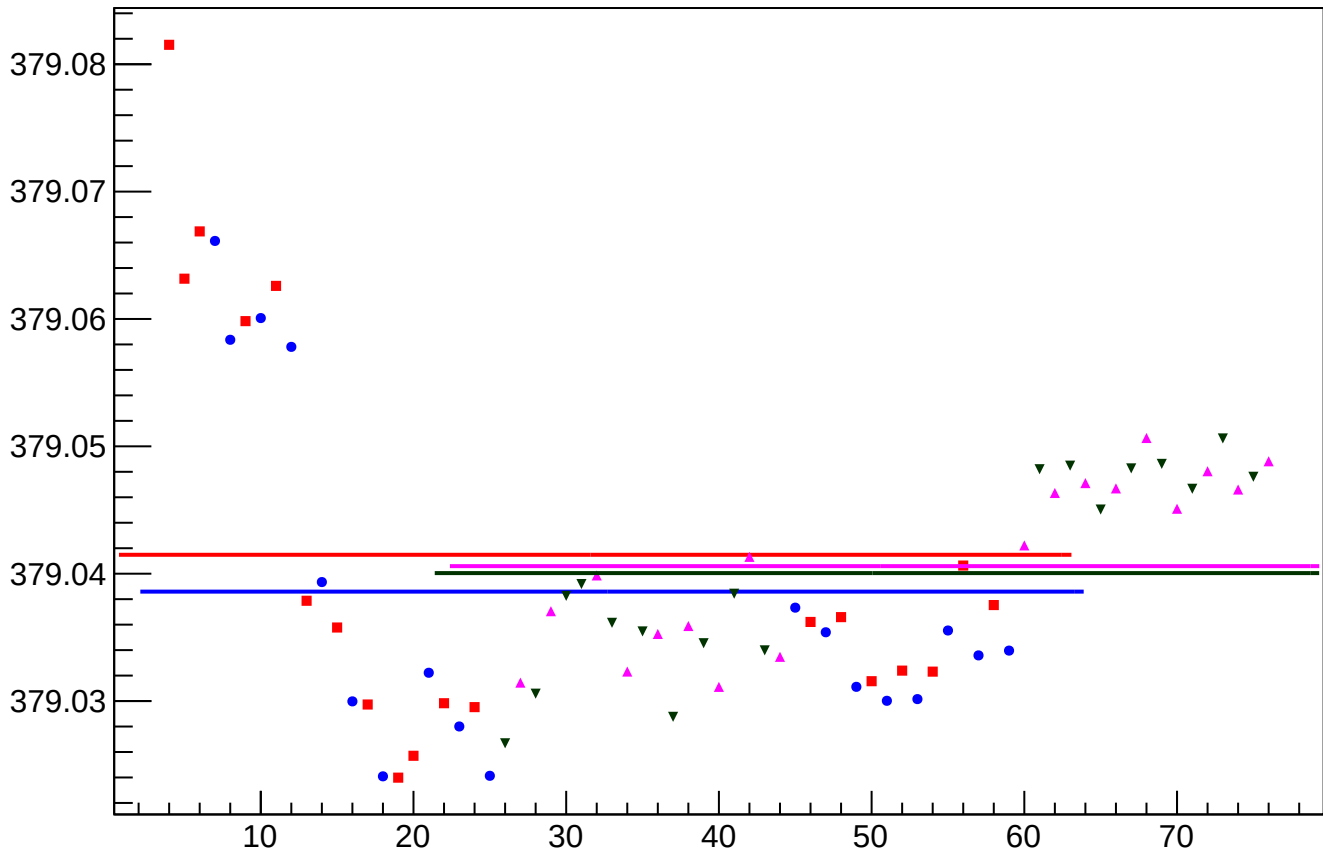
Right Out: 0.215+/-0.000 χ^2/NDF : 631176.3/18

Left In: 0.223+/-0.000 χ^2/NDF : 218334.7/17

0.221+/-0.000 χ^2/NDF : 1107641.1/35

0.219+/-0.000 χ^2/NDF : 863099.1/36

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 : 11566799.5/17

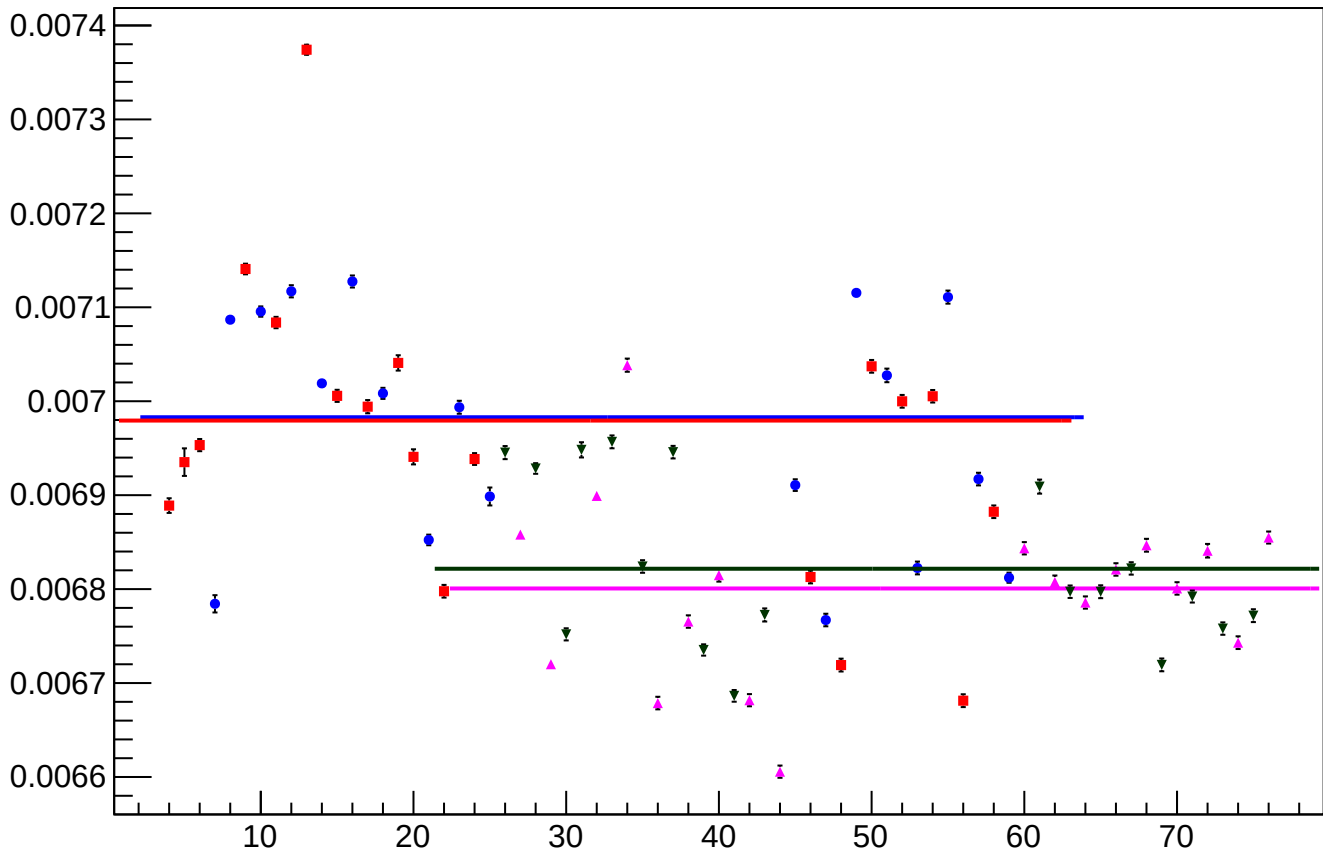
379.039+/-0.000 χ^2/NDF : 45571175.0/35

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

379.041+/-0.000 χ^2/NDF : 55283573.1/36

Left In: 379.041+/-0.000 χ^2/NDF : 8918030.7/17

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 :3041.1/17

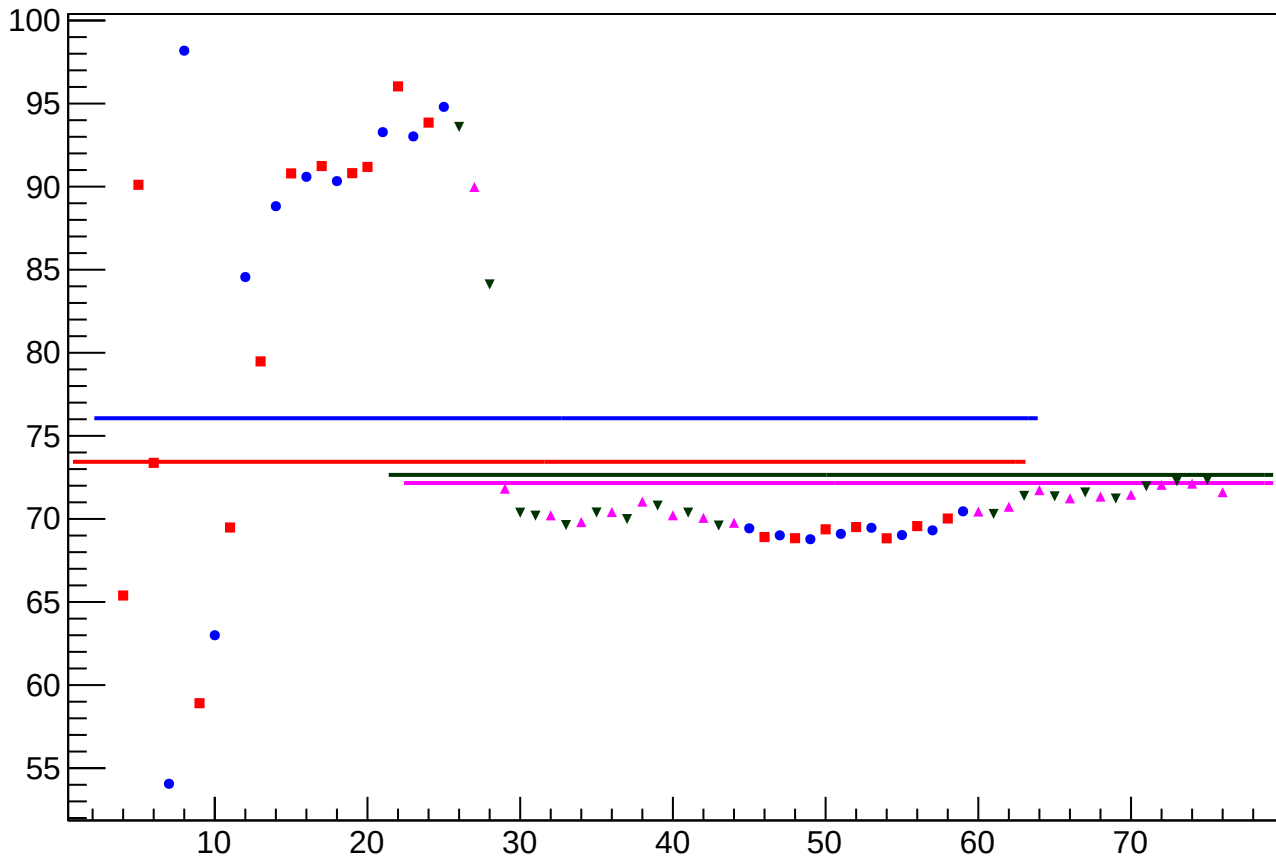
0.007+/-0.000 χ^2/NDF : 15357.2/35

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

0.007+/-0.000 χ^2/NDF : 22312.7/36

Left In: 0.007+/-0.000 χ^2/NDF :3744.5/17

yield_bcm0l02_mean vs slug



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

Left Out: 72.651 $\pm$ 0.000 χ^2 /NDF: 3814578681.4/17

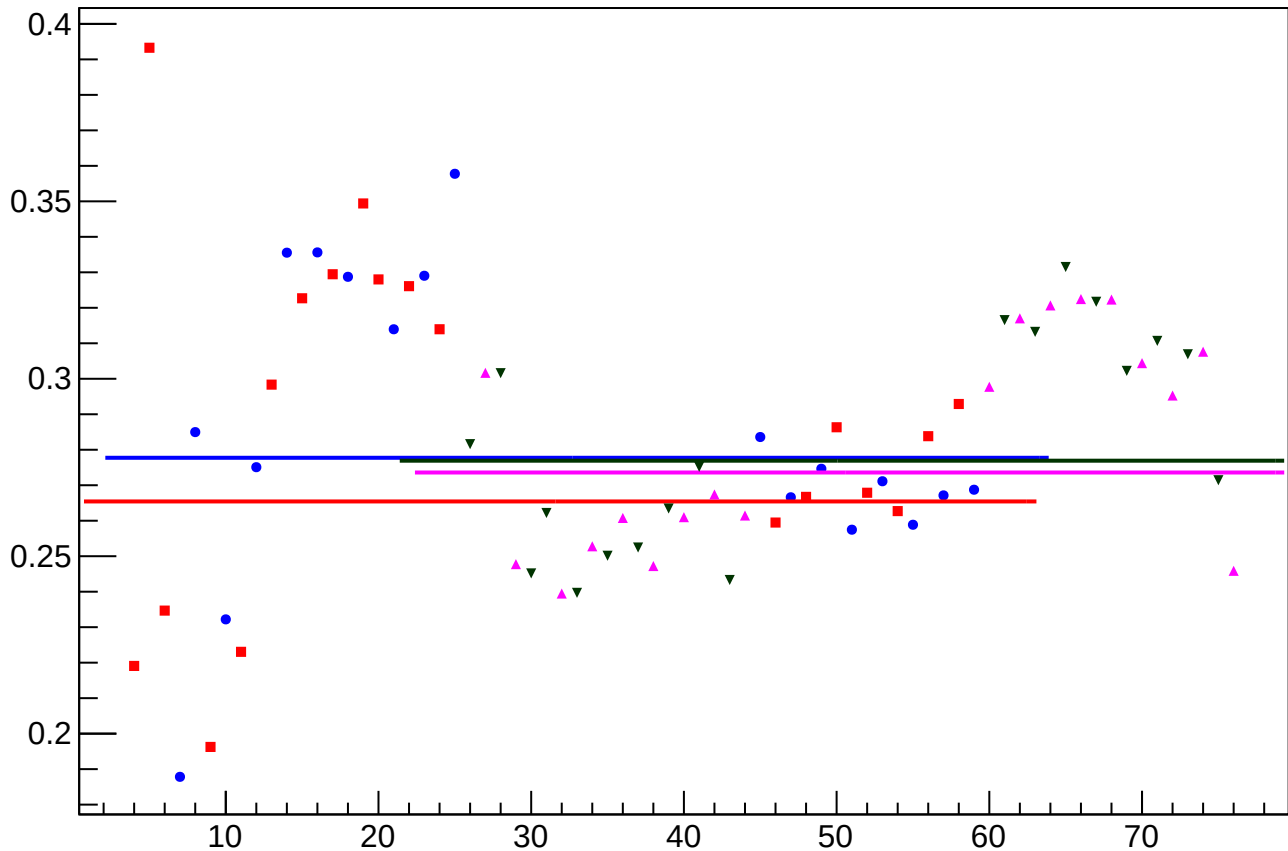
Right Out: 73.439 $\pm$ 0.000 χ^2 /NDF: 14741427319.0/18

Left In: 72.162 $\pm$ 0.000 χ^2 /NDF: 2986698620.0/17

74.483 $\pm$ 0.000 χ^2 /NDF: 25315597764.9/35

72.790 $\pm$ 0.000 χ^2 /NDF: 17831482230.9/36

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 :193208.8/17

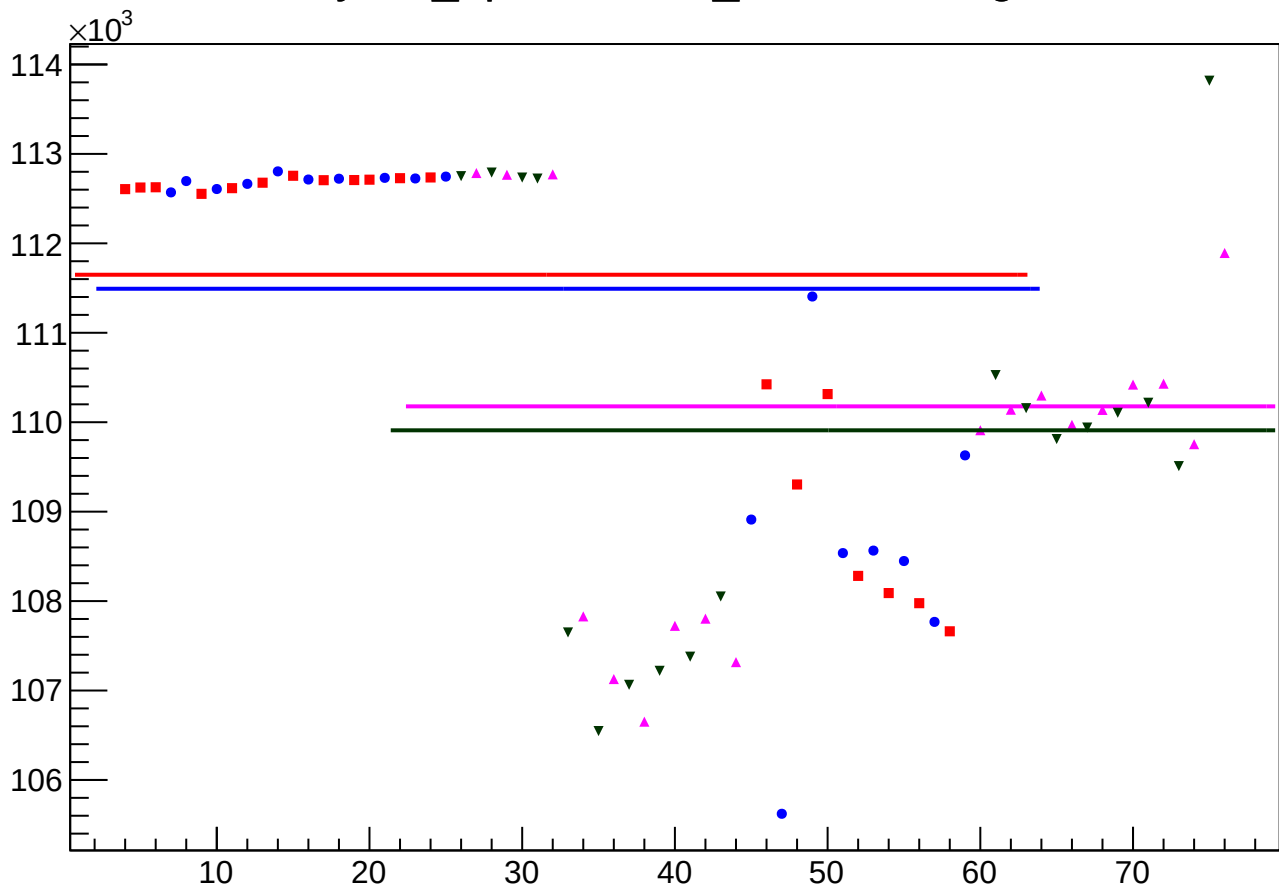
0.277+/-0.000 χ^2/NDF : 563536.8/35

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

0.270+/-0.000 χ^2/NDF : 734509.7/36

Left In: 0.274+/-0.000 χ^2/NDF :222506.0/17

yield_bpm2i01WS_mean vs slug



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

Left Out: 109909.472 $\pm$ 0.042 χ^2 /NDF: 3013485766.6/17

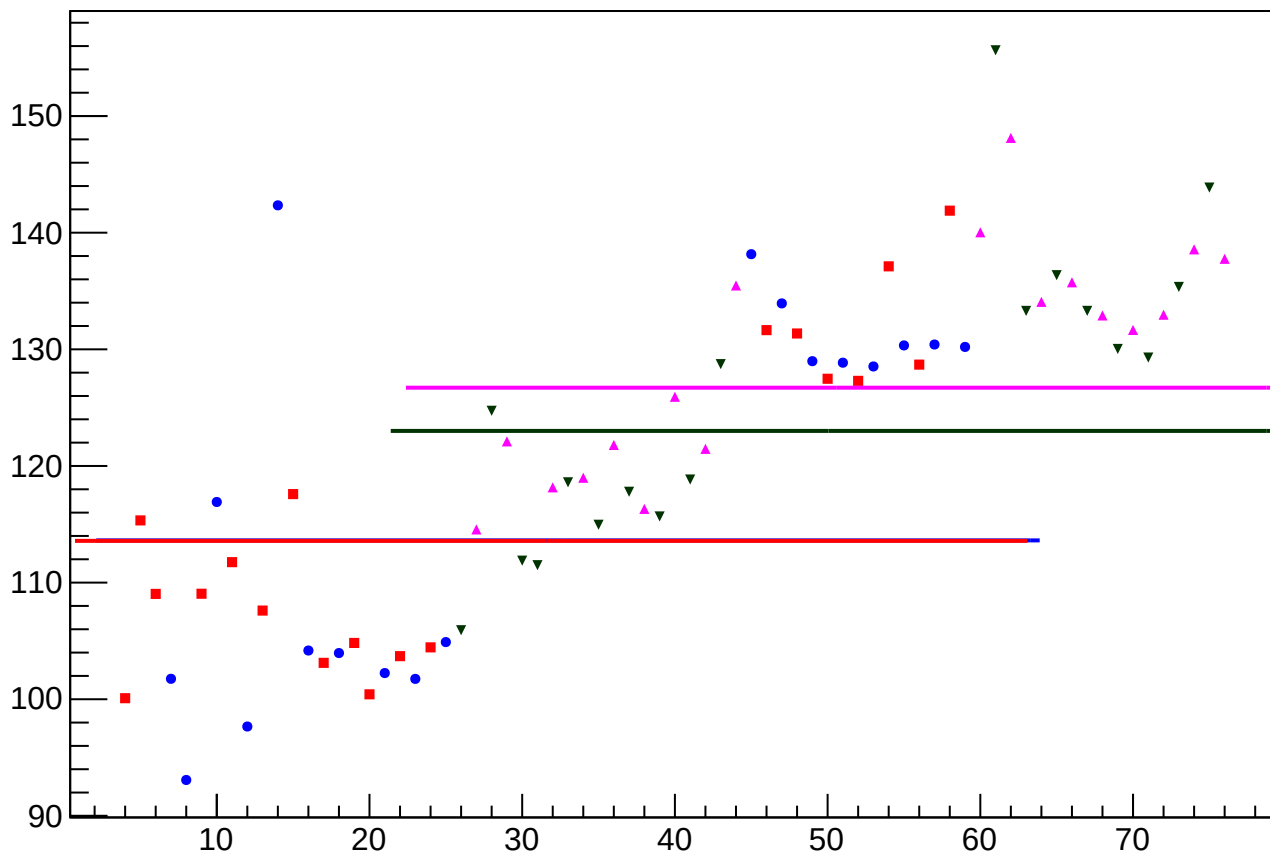
Right Out: 111648.935 $\pm$ 0.037 χ^2 /NDF: 2298631932.7/18

Left In: 110177.275 $\pm$ 0.041 χ^2 /NDF: 2689190475.9/17

110851.651 $\pm$ 0.027 χ^2 /NDF: 7015473360.9/35

110989.796 $\pm$ 0.028 χ^2 /NDF: 5687438797.2/36

yield_bpm2i01WS_rms vs slug



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

Left Out: 123.006 $\pm$ 0.030 χ^2 /NDF:131052.3/17

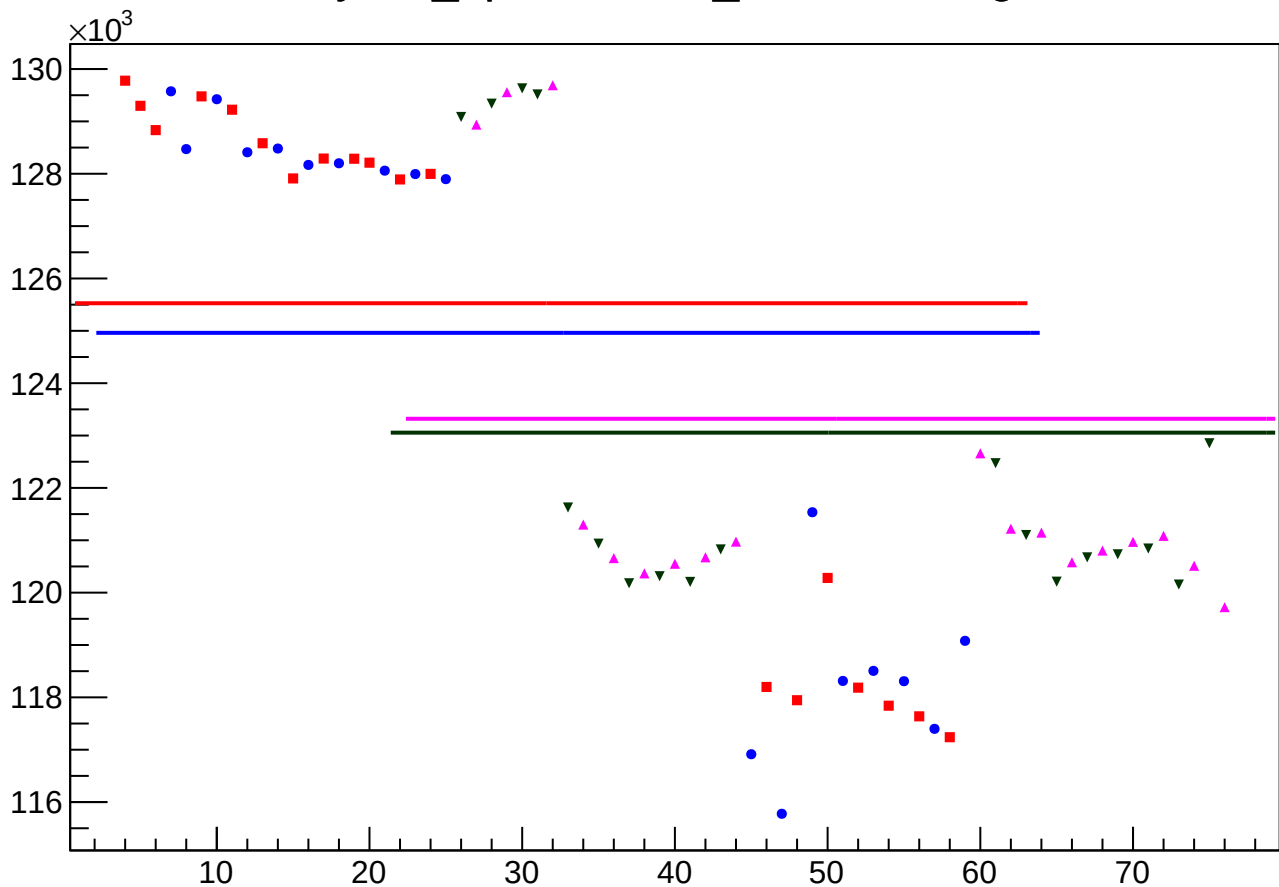
Right Out: 113.579 $\pm$ 0.026 χ^2 /NDF: 206805.2/18

Left In: 126.711 $\pm$ 0.029 χ^2 /NDF:96909.7/17

117.418 $\pm$ 0.019 χ^2 /NDF: 611805.2/35

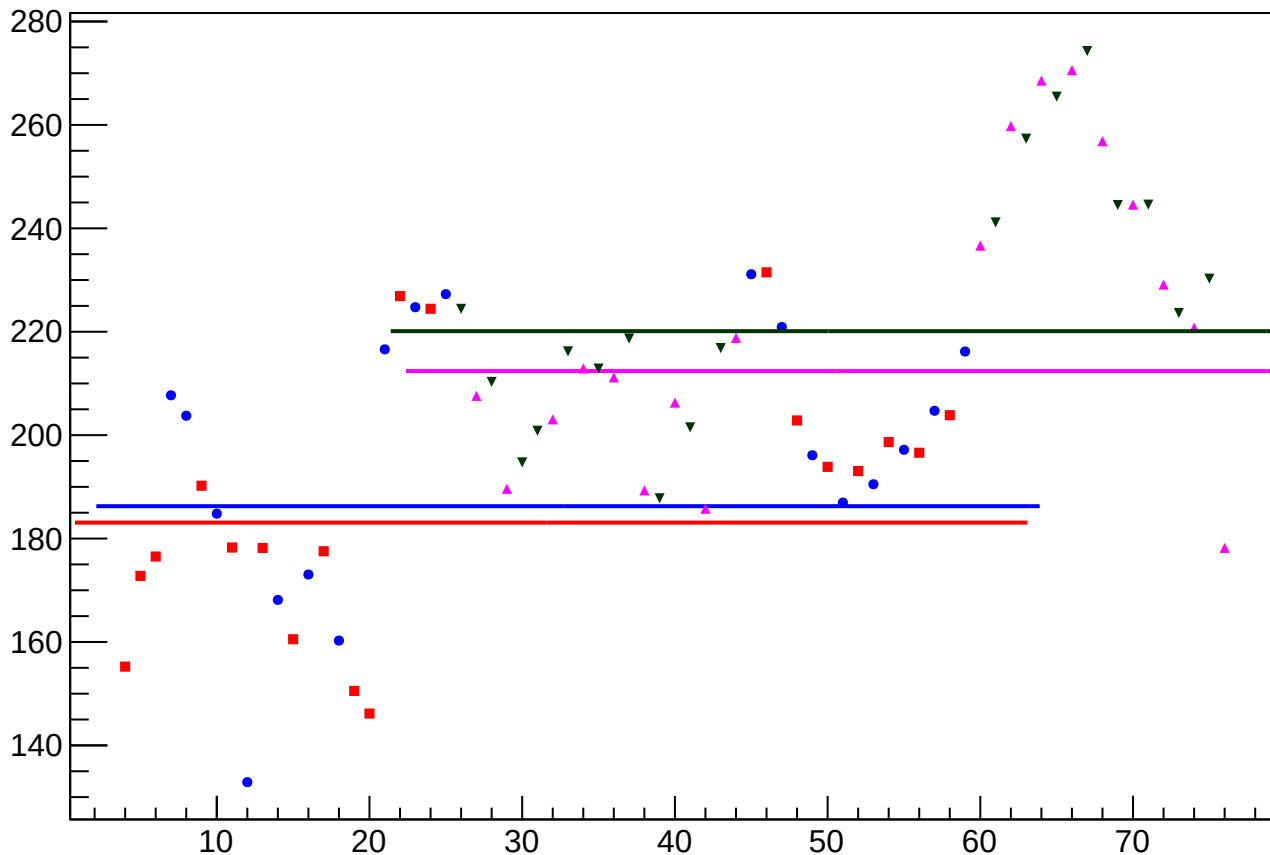
119.461 $\pm$ 0.020 χ^2 /NDF: 415128.1/36

yield_bpm0i07WS_mean vs slug



Right In: 124961.680 $\pm$ 0.057 χ^2 /NDF: 7216201458.1/17
 Left Out: 123055.444 $\pm$ 0.073 χ^2 /NDF: 2728580243.4/17
 Right Out: 125527.018 $\pm$ 0.060 χ^2 /NDF: 6545248421.9/18
 Left In: 123320.463 $\pm$ 0.067 χ^2 /NDF: 3485046343.5/17

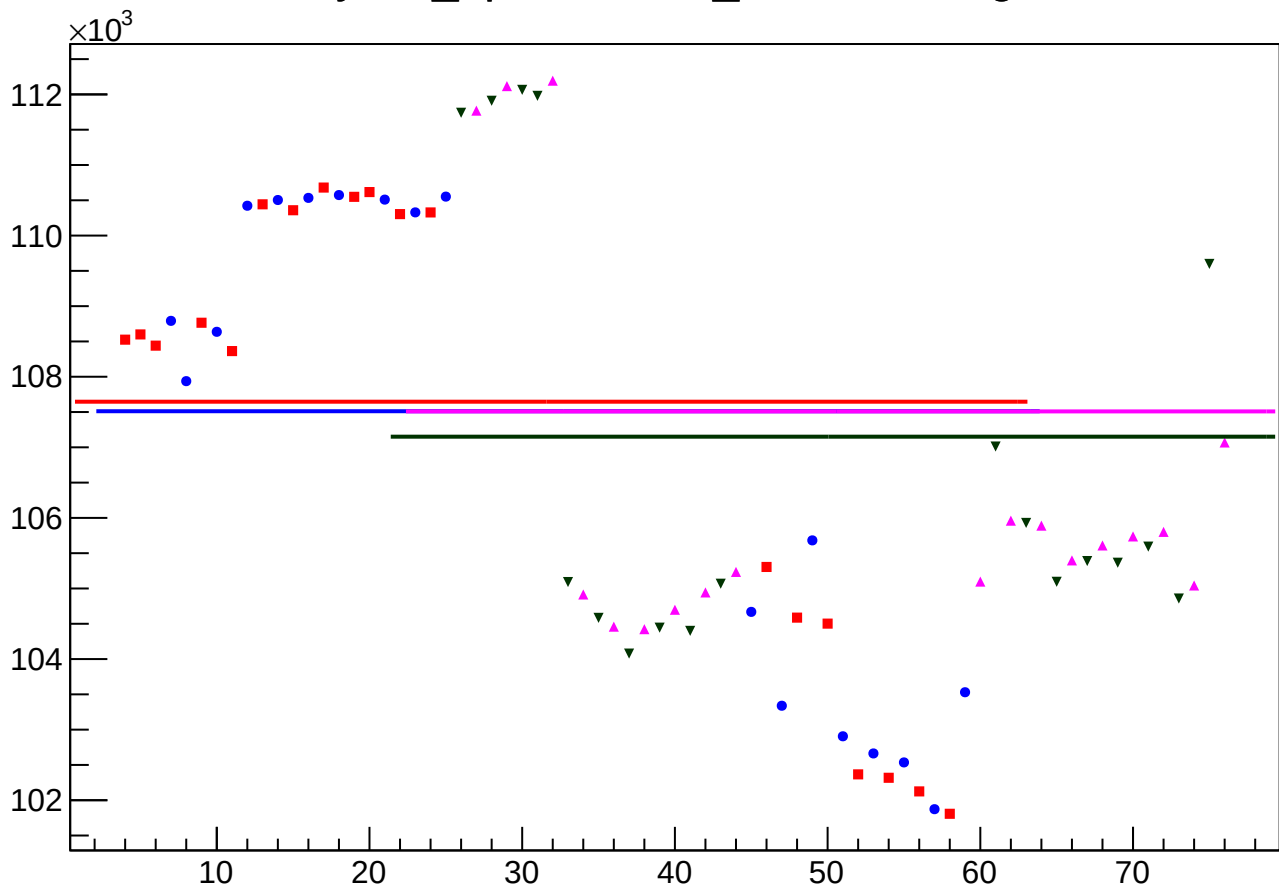
yield_bpm0i07WS_rms vs slug



Right In: 186.263 ± 0.040 χ^2/NDF : 462392.0/17
 Left Out: 220.112 ± 0.052 χ^2/NDF : 196167.9/17
 Right Out: 183.088 ± 0.042 χ^2/NDF : 276420.3/18
 Left In: 212.397 ± 0.048 χ^2/NDF : 296414.1/17

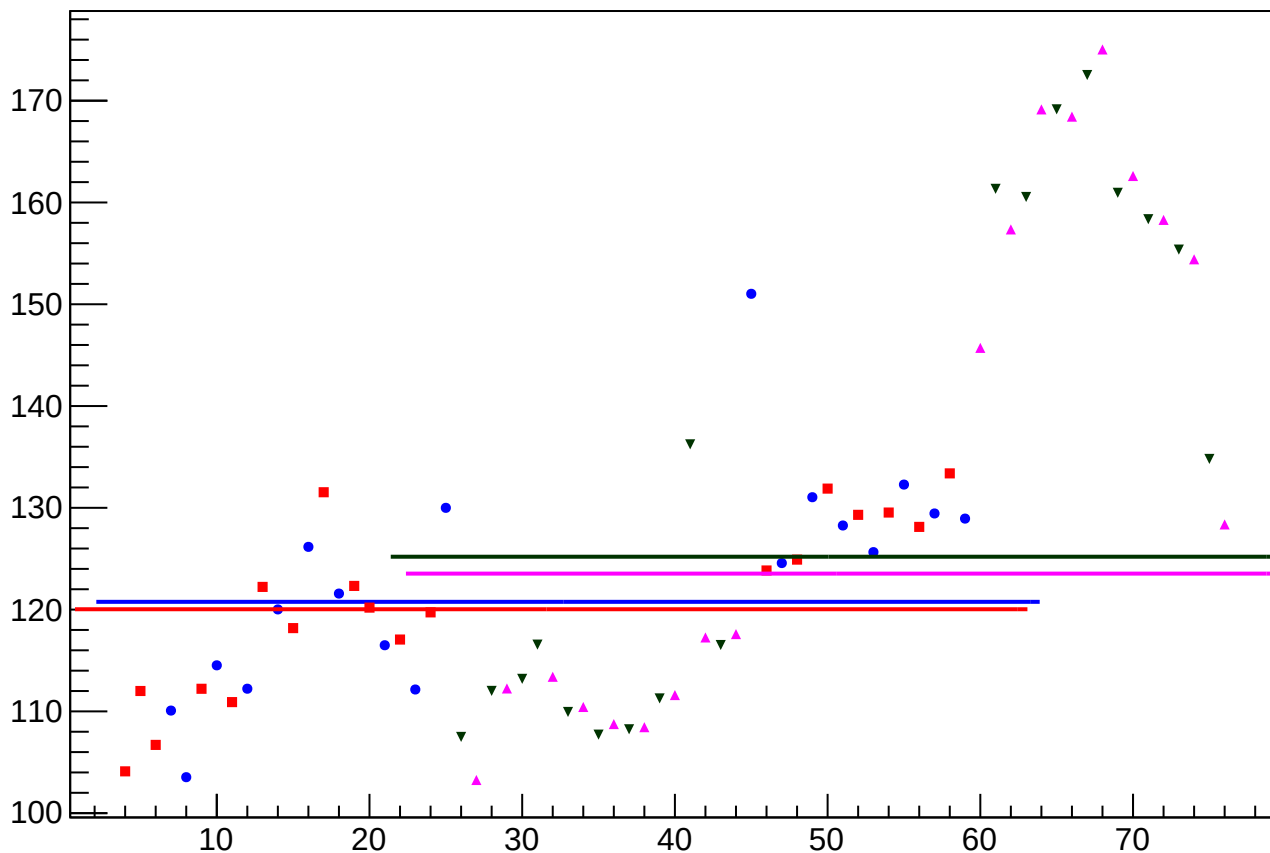
198.981 ± 0.032 χ^2/NDF : 925541.6/35
 195.957 ± 0.032 χ^2/NDF : 785579.4/36

yield_bpm0l01WS_mean vs slug



Right In: 107511.375 $\pm$ 0.037	χ^2/NDF : 7545366390.6/17	107356.404 $\pm$ 0.028	χ^2/NDF : 13492836909.5/3
Left Out: 107150.804 $\pm$ 0.042	χ^2/NDF : 5905732914.3/17		
Right Out: 107646.372 $\pm$ 0.039	χ^2/NDF : 6547636060.9/18	107578.619 $\pm$ 0.028	χ^2/NDF : 13373124995.1/3
Left In: 107508.810 $\pm$ 0.040	χ^2/NDF : 6819337004.3/17		

yield_bpm0l01WS_rms vs slug



Right In: 120.763 $\pm$ 0.026 χ^2 /NDF: 155732.1/17

Left Out: 125.196 $\pm$ 0.030 χ^2 /NDF:532175.7/17

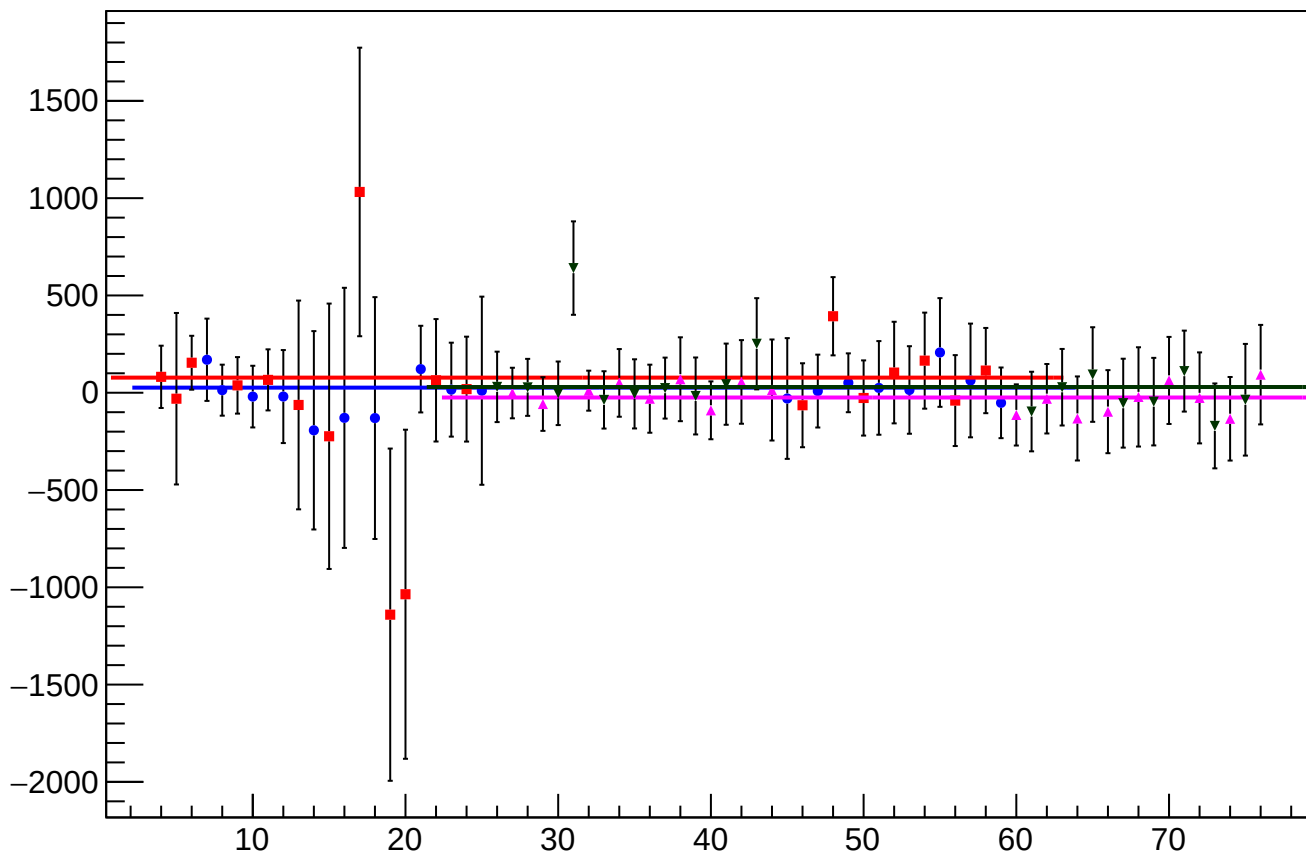
Right Out: 120.035 $\pm$ 0.028 χ^2 /NDF: 93920.3/18

Left In: 123.536 $\pm$ 0.028 χ^2 /NDF:607723.8/17

122.668 $\pm$ 0.020 χ^2 /NDF: 700522.9/35

121.759 $\pm$ 0.020 χ^2 /NDF: 709616.5/36

asym_bcm_an_ds_mean vs slug



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

Left Out: 29.405 ± 45.692 χ^2/NDF : 9.5/17

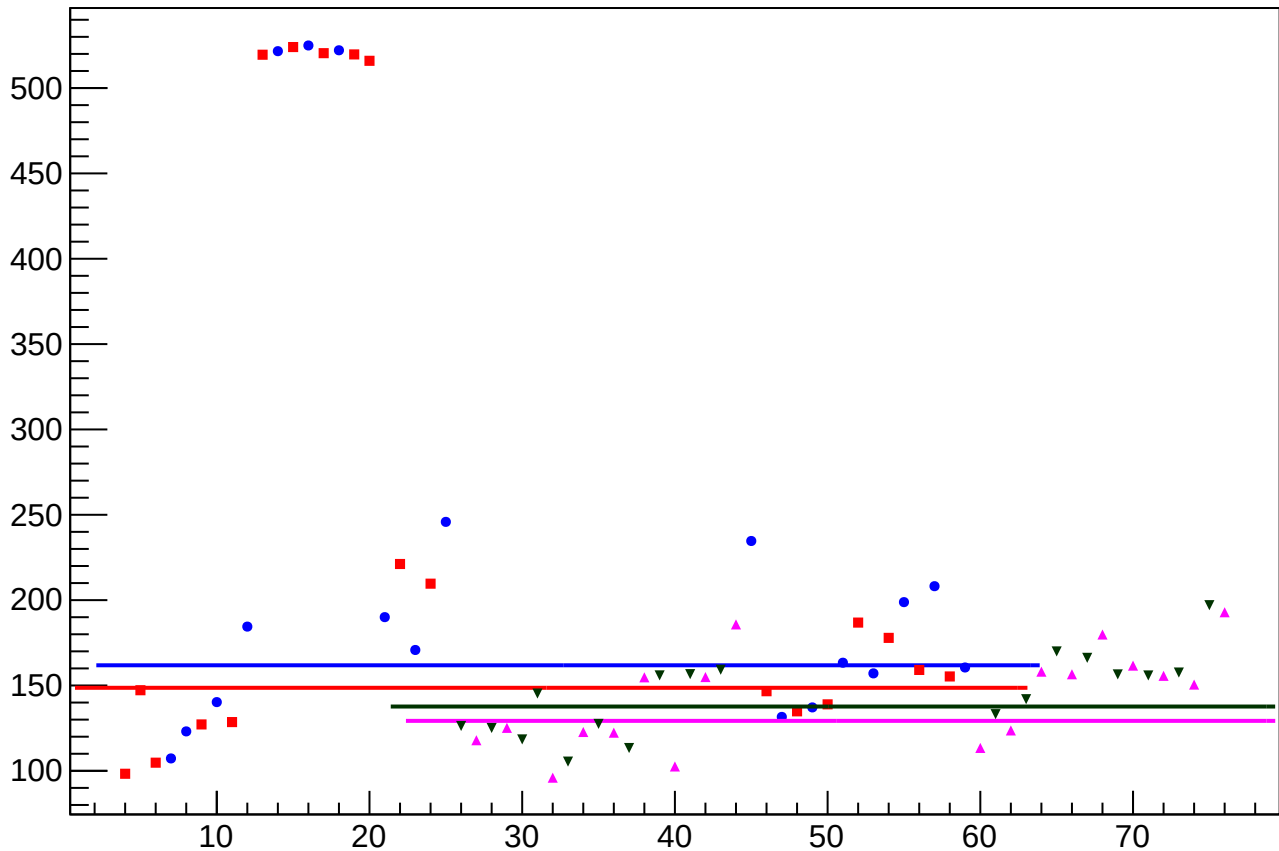
Right Out: 77.703 ± 52.586 χ^2/NDF : 9.8/18

Left In: -24.498 ± 41.479 χ^2/NDF : 2.3/17

28.044 ± 34.470 χ^2/NDF : 11.2/35

14.701 ± 32.567 χ^2/NDF : 14.4/36

asym_bcm_an_ds_rms vs slug



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

Left Out: 137.673+/-0.032 χ^2/NDF :453489.5/17

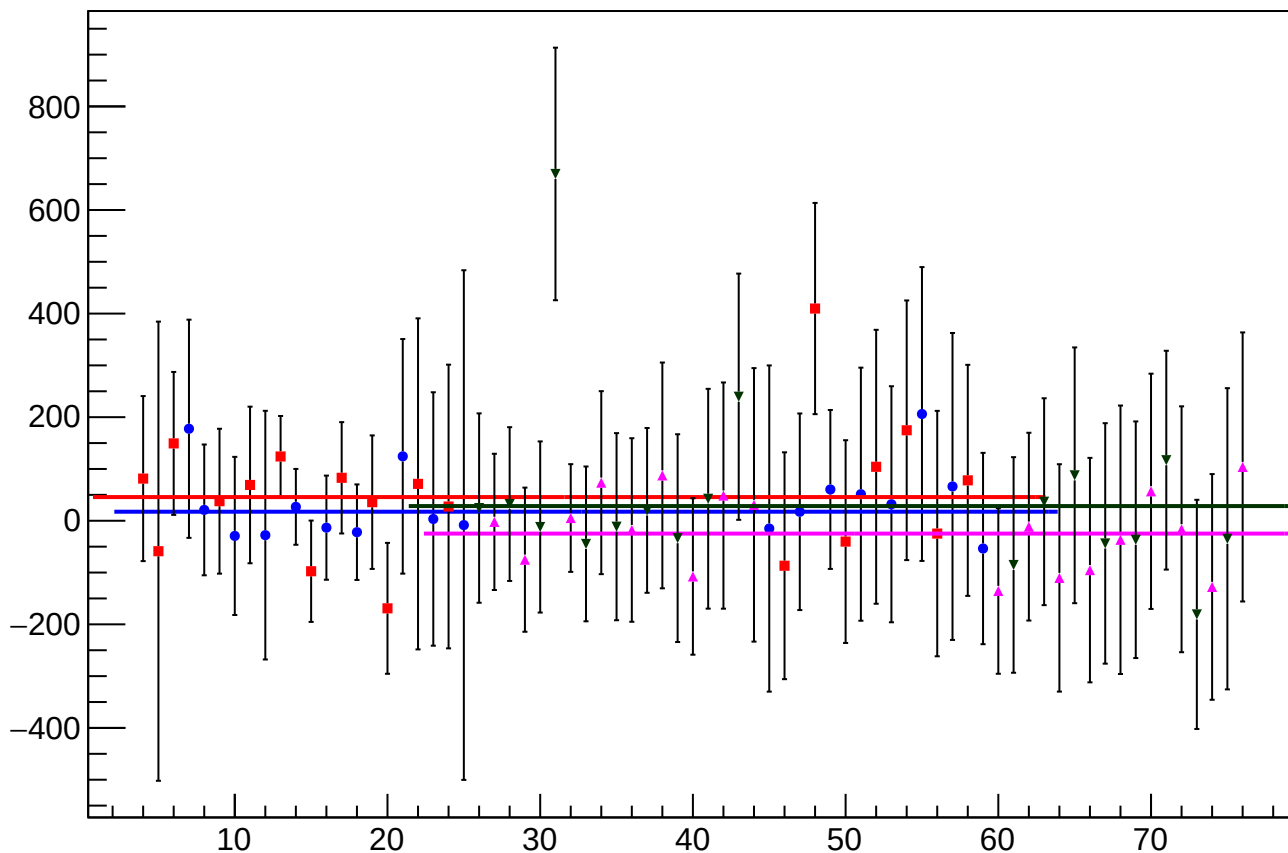
148.084+/-0.024 χ^2/NDF : 3713340.0/35

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

136.702+/-0.023 χ^2/NDF : 4590405.0/36

Left In: 129.271+/-0.029 χ^2/NDF :828444.7/17

asym_bcm_an_ds3_mean vs slug



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

Left Out: 28.358+/-46.355 χ^2/NDF : 9.8/17

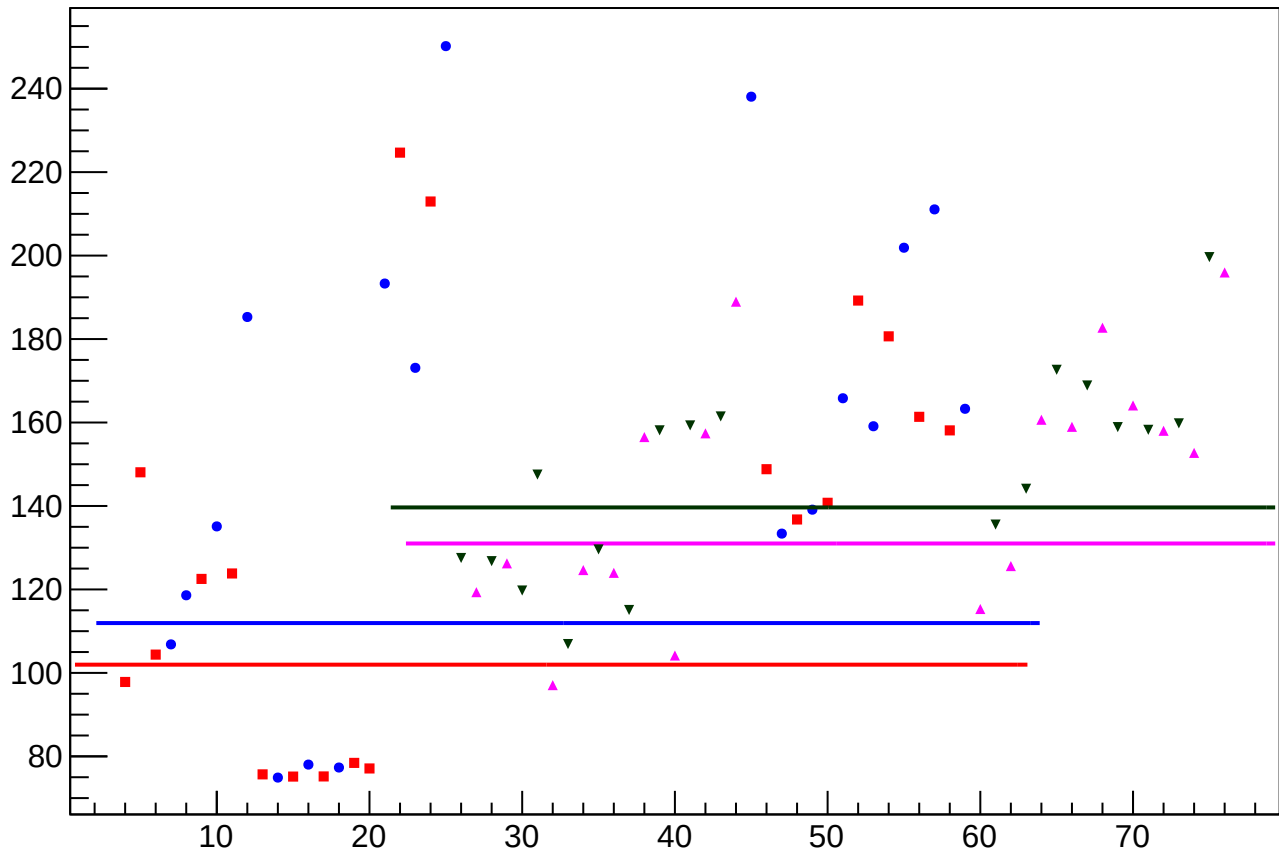
Right Out: 45.735+/-34.677 χ^2/NDF : 11.0/18

Left In: -24.756+/-42.050 χ^2/NDF : 2.6/17

21.603+/-28.586 χ^2/NDF : 11.8/35

17.201+/-26.753 χ^2/NDF : 15.3/36

asym_bcm_an_ds3_rms vs slug



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

Left Out: 139.653 $\pm$ 0.033 χ^2 /NDF: 456331.6/17

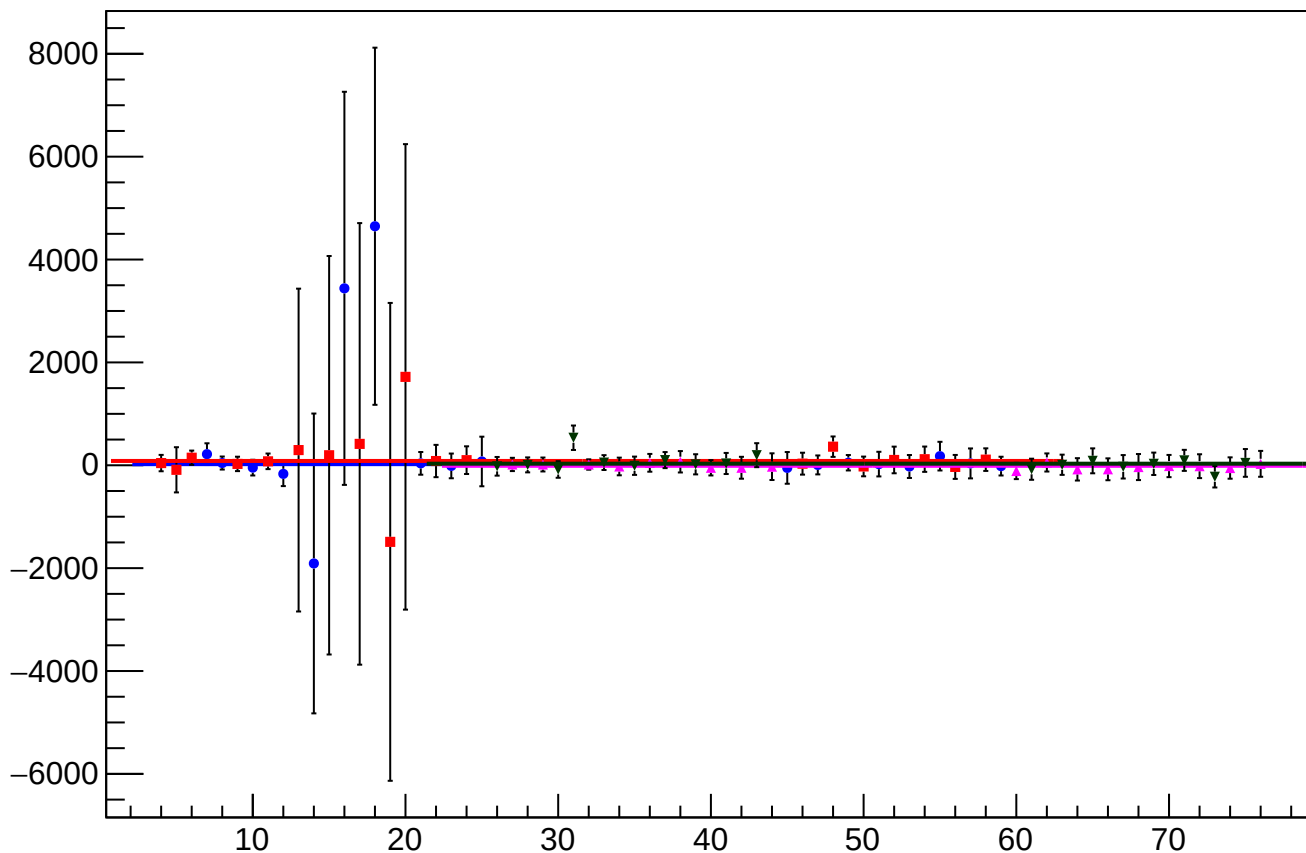
122.480 $\pm$ 0.020 χ^2 /NDF: 3871966.7/35

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

113.727 $\pm$ 0.019 χ^2 /NDF: 3676219.8/36

Left In: 131.010 $\pm$ 0.030 χ^2 /NDF: 836714.3/17

asym_bcm_an_us_mean vs slug



Right In: 21.772 $\pm$ 52.365 χ^2 /NDF: 5.3/17

Left Out: 30.847 $\pm$ 45.149 χ^2 /NDF: 7.9/17

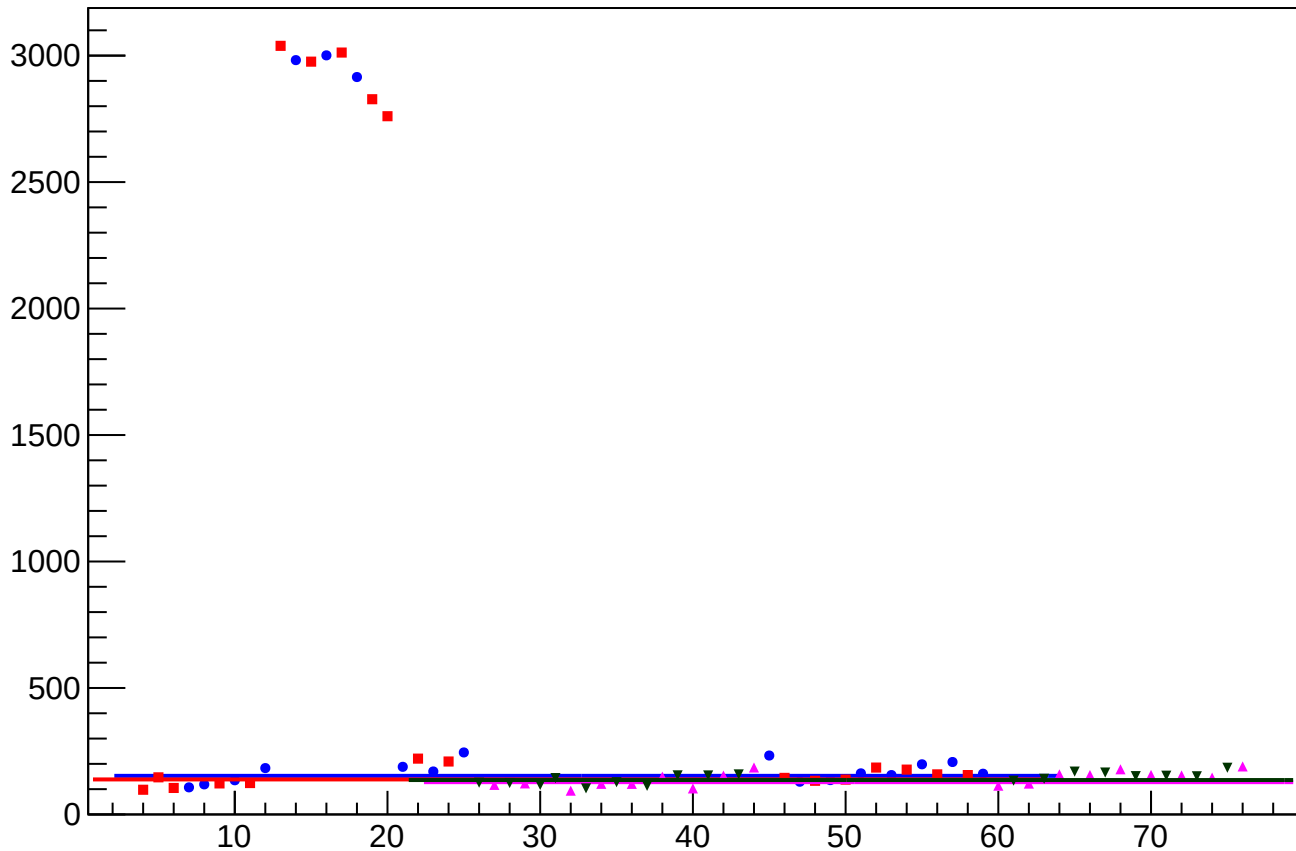
Right Out: 84.092 $\pm$ 52.636 χ^2 /NDF: 3.5/18

Left In: -10.217 $\pm$ 40.967 χ^2 /NDF: 1.3/17

26.977 $\pm$ 34.194 χ^2 /NDF: 13.1/35

25.361 $\pm$ 32.329 χ^2 /NDF: 6.8/36

asym_bcm_an_us_rms vs slug



Right In: 152.628+/-0.037 χ^2/NDF : 5017627.8/17

Left Out: 136.038+/-0.032 χ^2/NDF : 428574.6/17

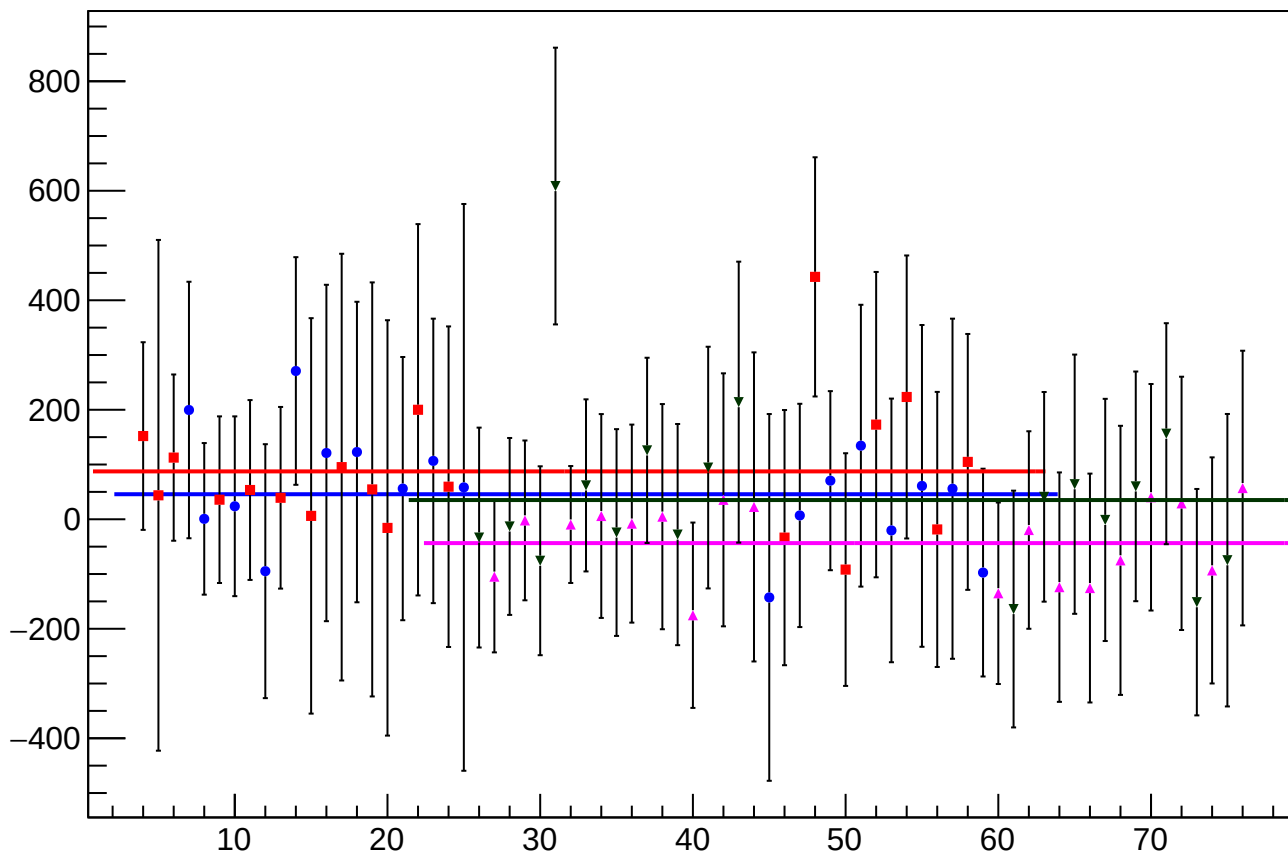
143.112+/-0.024 χ^2/NDF : 5561354.6/35

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

131.745+/-0.023 χ^2/NDF : 6611258.6/36

Left In: 127.680+/-0.029 χ^2/NDF : 824485.4/17

asym_bcm_dg_us_mean vs slug



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

Left Out: 35.109+/-47.262 χ^2/NDF : 9.1/17

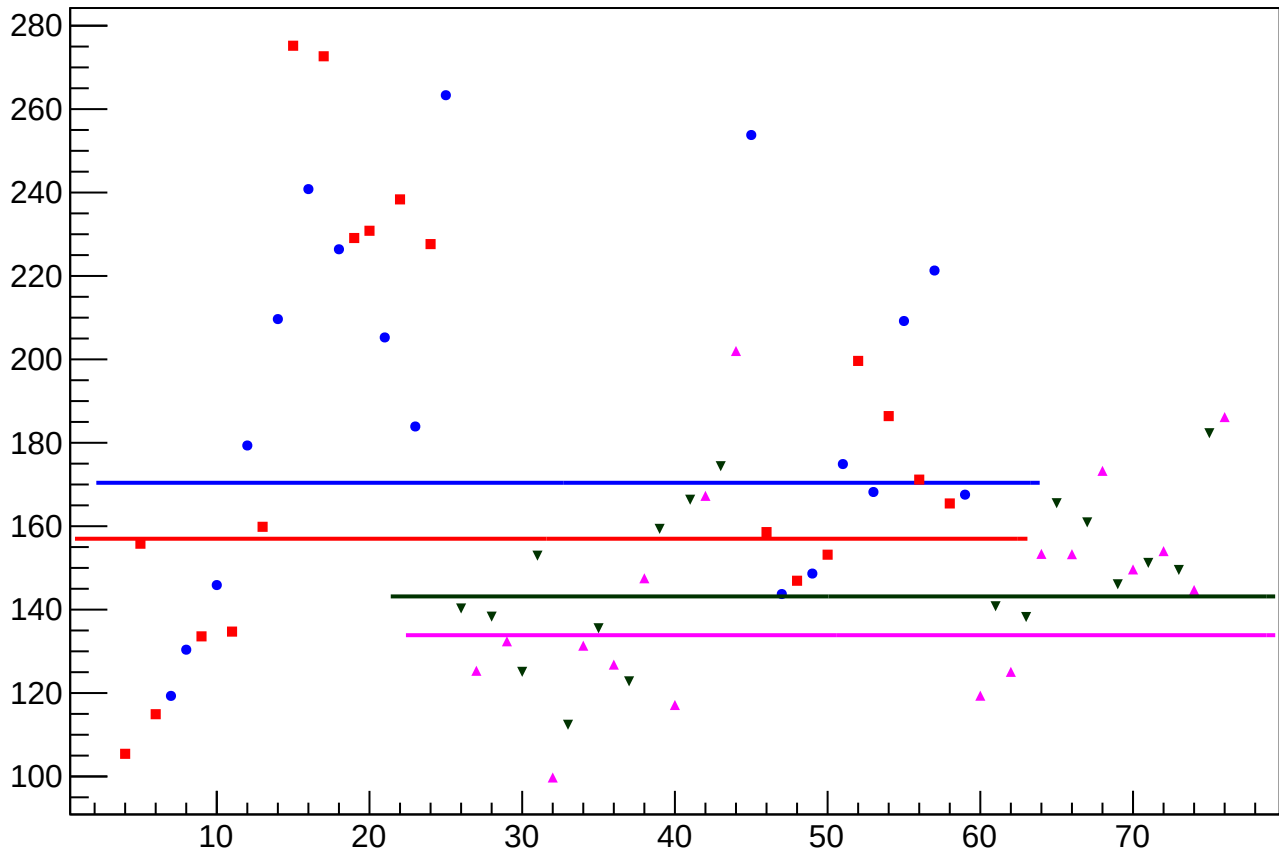
Right Out: 87.434+/-51.940 χ^2/NDF : 4.9/18

Left In: -43.531+/-42.760 χ^2/NDF : 2.4/17

39.857+/-35.157 χ^2/NDF : 12.5/35

9.374+/-33.012 χ^2/NDF : 11.1/36

asym_bcm_dg_us_rms vs slug



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

Left Out: 143.165 $\pm$ 0.033 χ^2 /NDF:281218.5/17

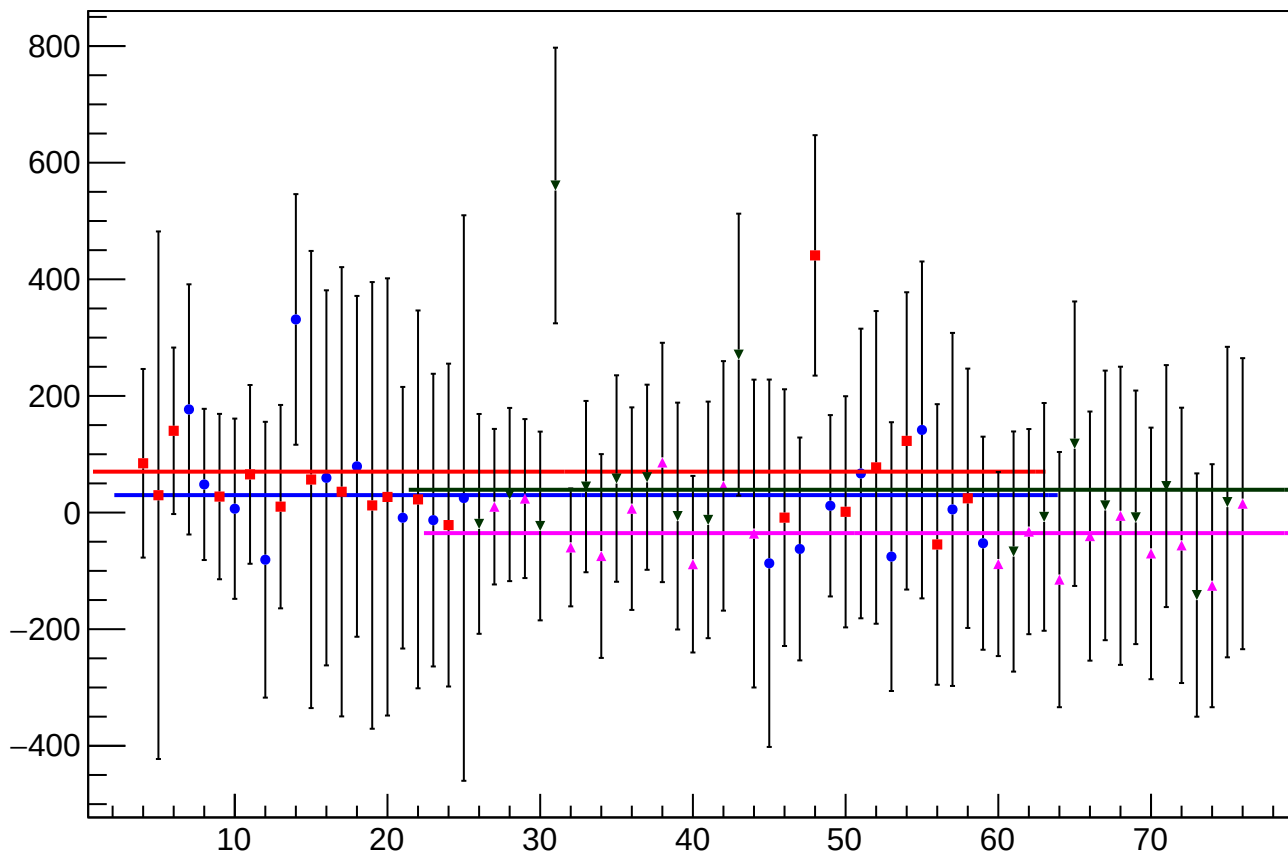
155.336 $\pm$ 0.025 χ^2 /NDF: 1542789.8/35

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

143.212 $\pm$ 0.023 χ^2 /NDF: 2140165.3/36

Left In: 133.870 $\pm$ 0.030 χ^2 /NDF:627375.2/17

asym_bcm_dg_ds_mean vs slug



Right In: 29.919 ± 50.591 χ^2/NDF : 3.8/17

Left Out: 39.095 ± 45.543 χ^2/NDF : 7.4/17

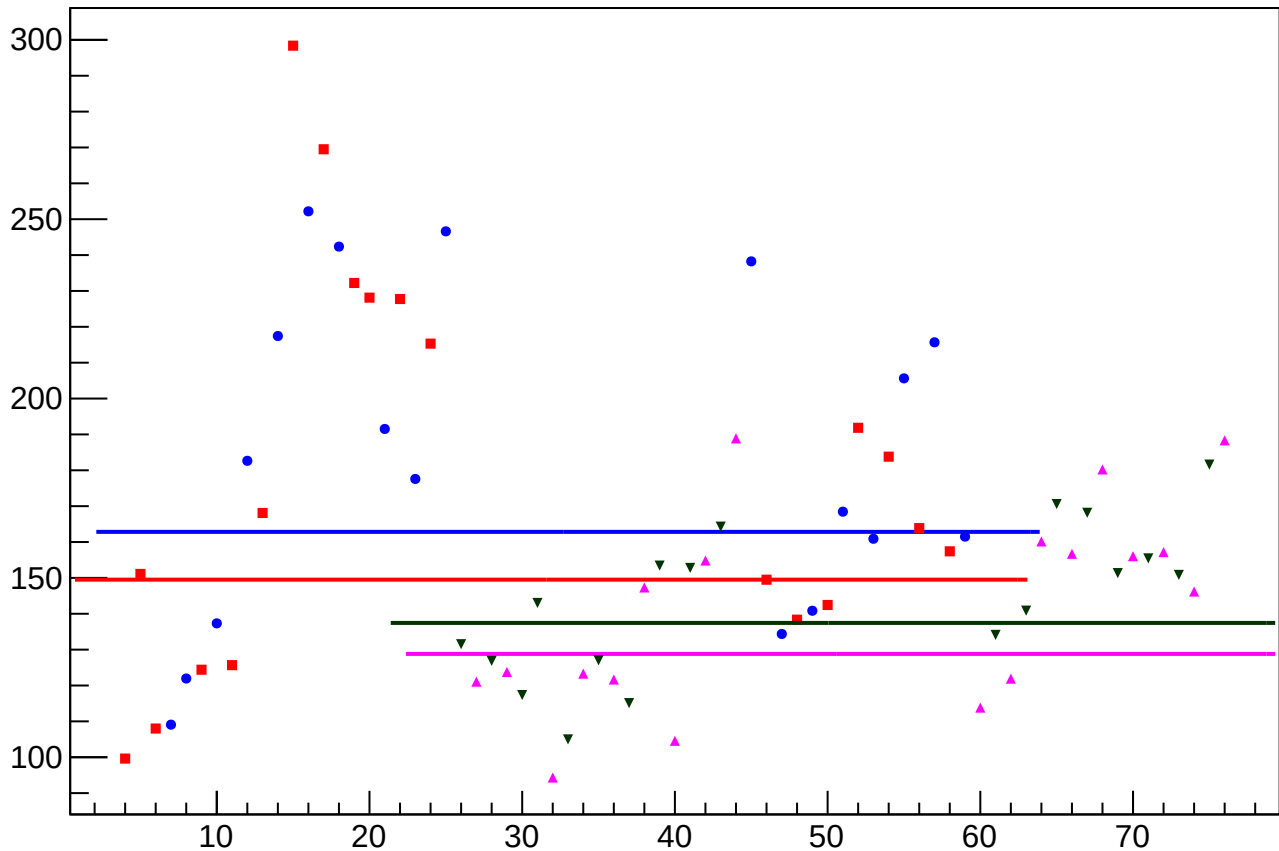
Right Out: 70.155 ± 49.782 χ^2/NDF : 4.5/18

Left In: -35.248 ± 41.297 χ^2/NDF : 1.6/17

34.987 ± 33.848 χ^2/NDF : 11.2/35

7.719 ± 31.784 χ^2/NDF : 8.7/36

asym_bcm_dg_ds_rms vs slug



Right In: 162.833 ± 0.036 χ^2/NDF : 1229021.5/17

Left Out: 137.448 ± 0.032 χ^2/NDF : 397816.8/17

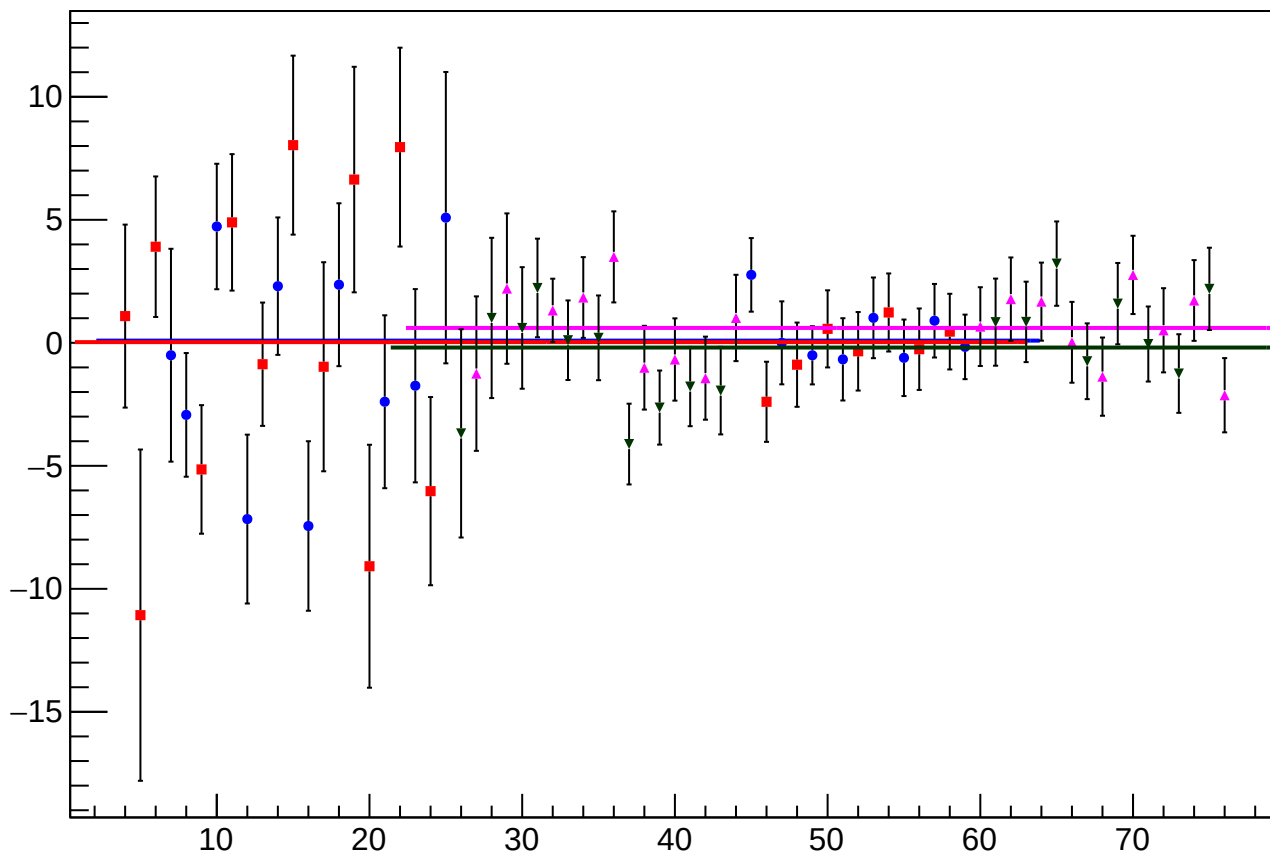
148.811 ± 0.024 χ^2/NDF : 1904991.2/35

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

137.247 ± 0.022 χ^2/NDF : 2509302.2/36

Left In: 128.810 ± 0.029 χ^2/NDF : 813823.1/17

asym_cav4bQ_mean vs slug



Right In: 0.089 ± 0.466 χ^2/NDF : 21.1/17

Left Out: -0.192 ± 0.415 χ^2/NDF : 21.2/17

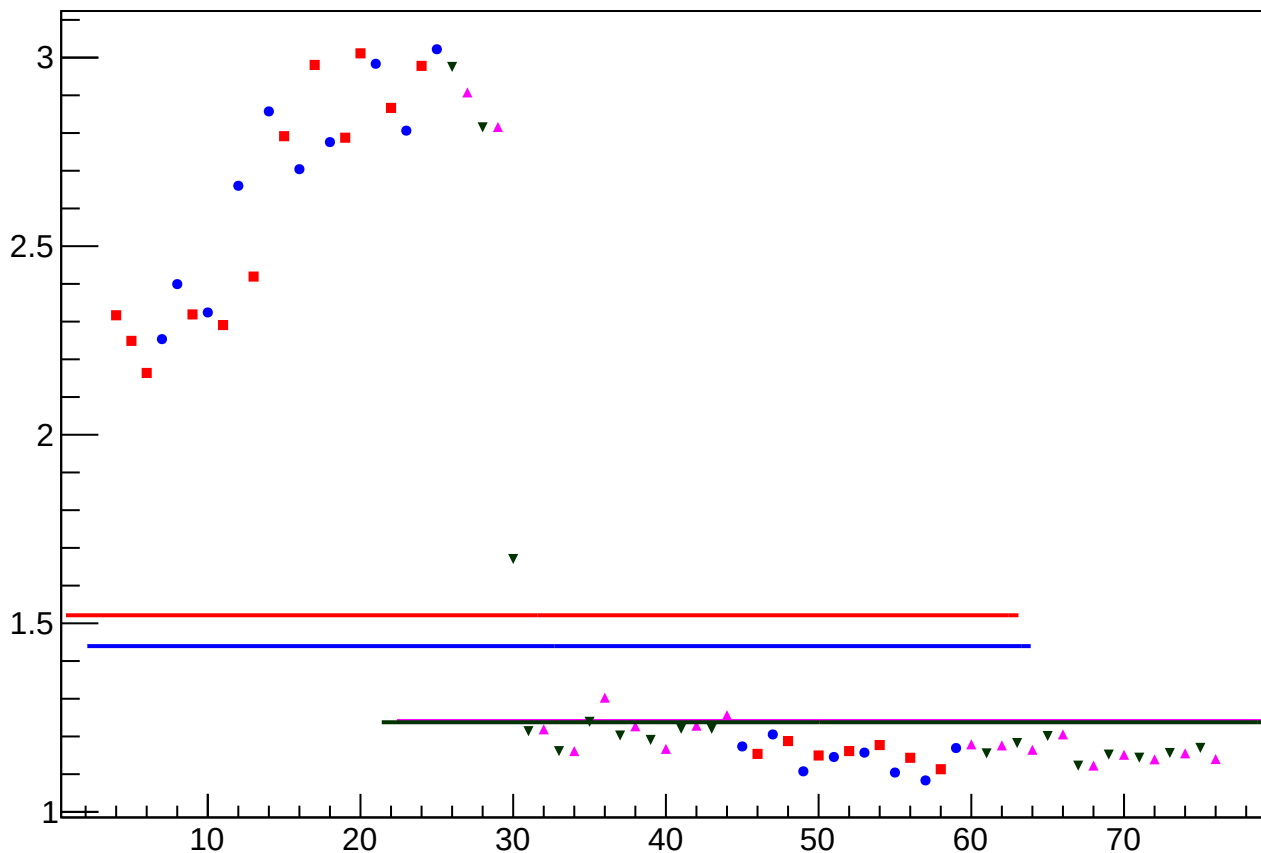
Right Out: 0.028 ± 0.520 χ^2/NDF : 31.9/18

Left In: 0.605 ± 0.398 χ^2/NDF : 15.1/17

-0.067 ± 0.310 χ^2/NDF : 42.5/35

0.391 ± 0.316 χ^2/NDF : 47.8/36

asym_cav4bQ_rms vs slug



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3409388.4/17

Left Out: 1.238 $\pm$ 0.000 χ^2 /NDF: 915674.0/17

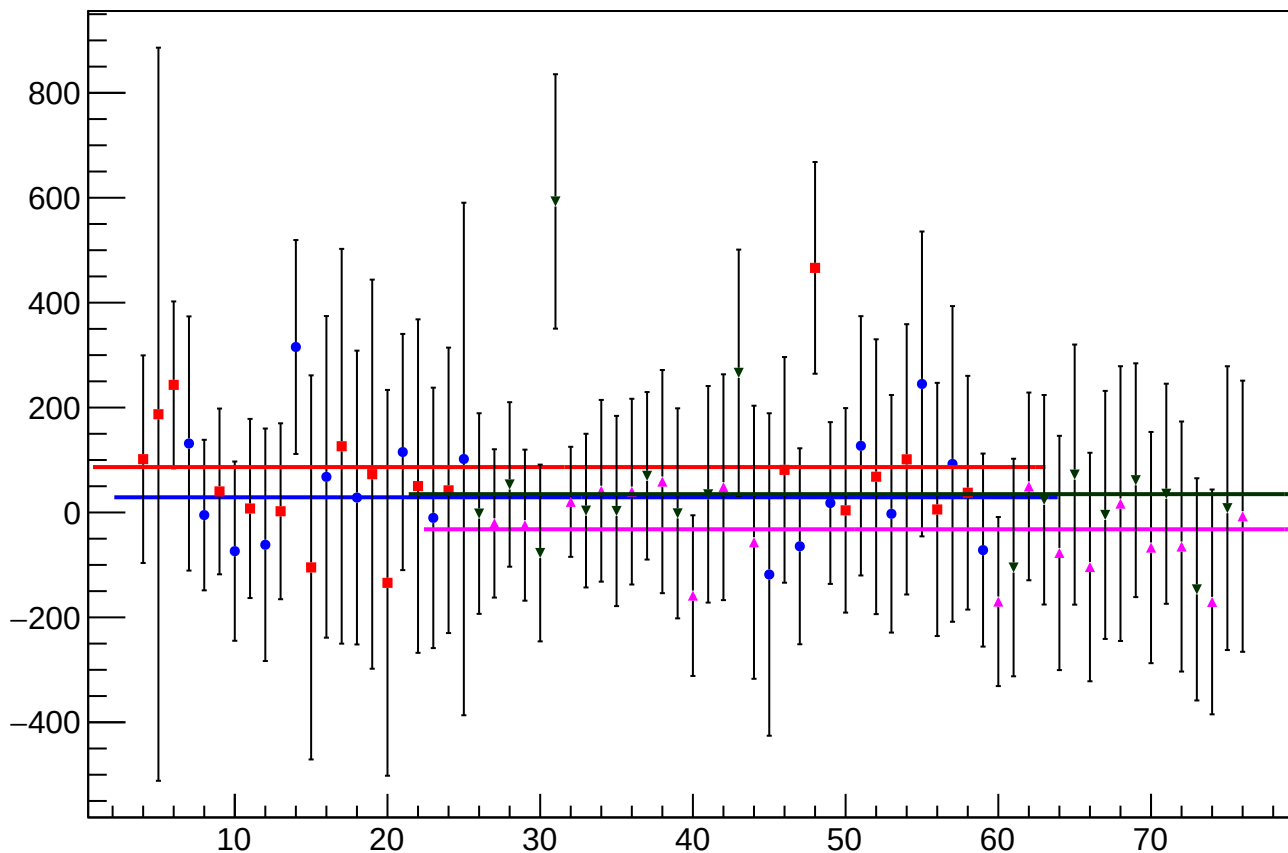
Right Out: 1.521 $\pm$ 0.000 χ^2 /NDF: 2870549.2/18

Left In: 1.241 $\pm$ 0.000 χ^2 /NDF: 1156841.8/17

1.327 $\pm$ 0.000 χ^2 /NDF: 4534458.5/35

1.345 $\pm$ 0.000 χ^2 /NDF: 4394303.4/36

asym_cav4cQ_mean vs slug



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

Left Out: 34.925+/-46.410 χ^2/NDF : 8.2/17

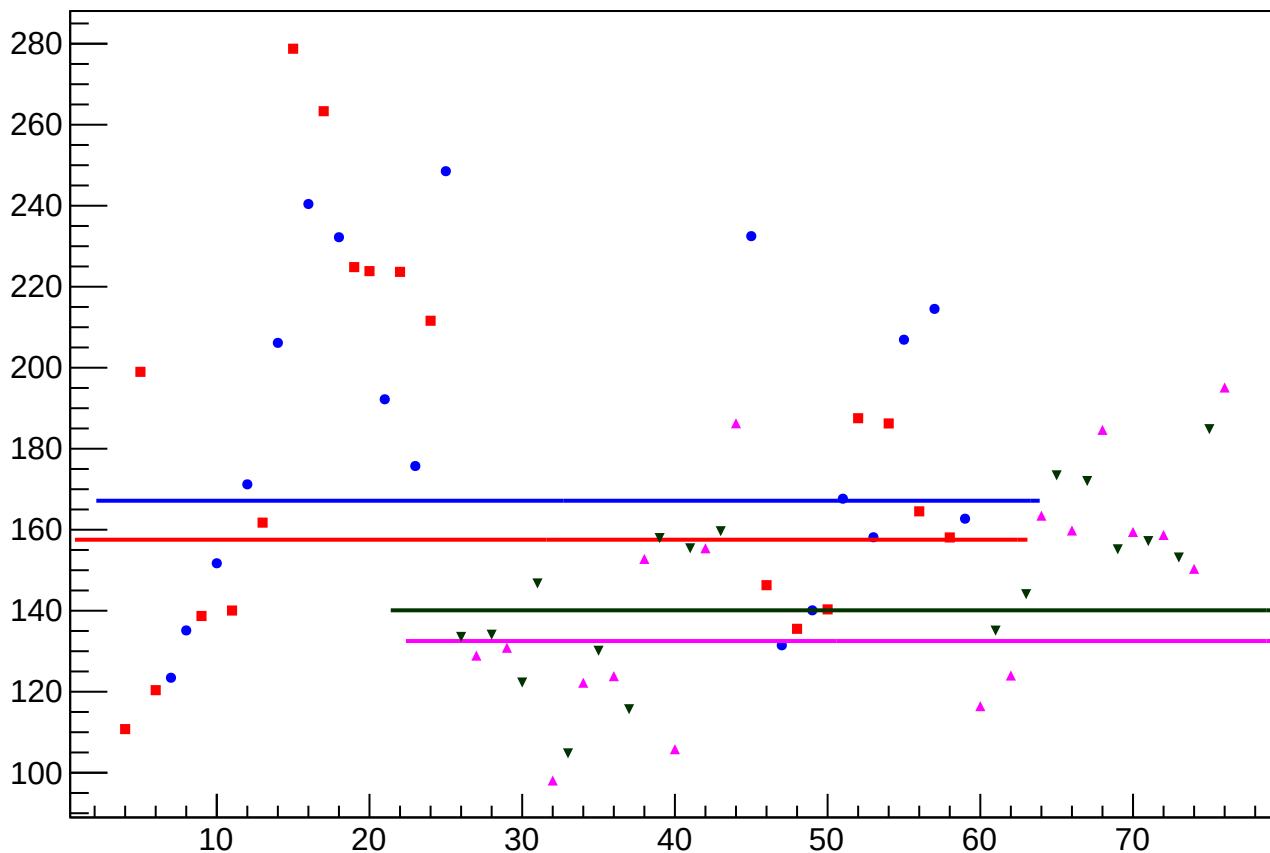
Right Out: 86.558+/-52.059 χ^2/NDF : 6.1/18

Left In: -32.037+/-42.418 χ^2/NDF : 3.2/17

32.237+/-34.470 χ^2/NDF : 12.7/35

15.284+/-32.884 χ^2/NDF : 12.5/36

asym_cav4cQ_rms vs slug



Right In: 167.159 ± 0.036 χ^2/NDF : 875808.6/17

Left Out: 140.100 ± 0.033 χ^2/NDF : 398247.1/17

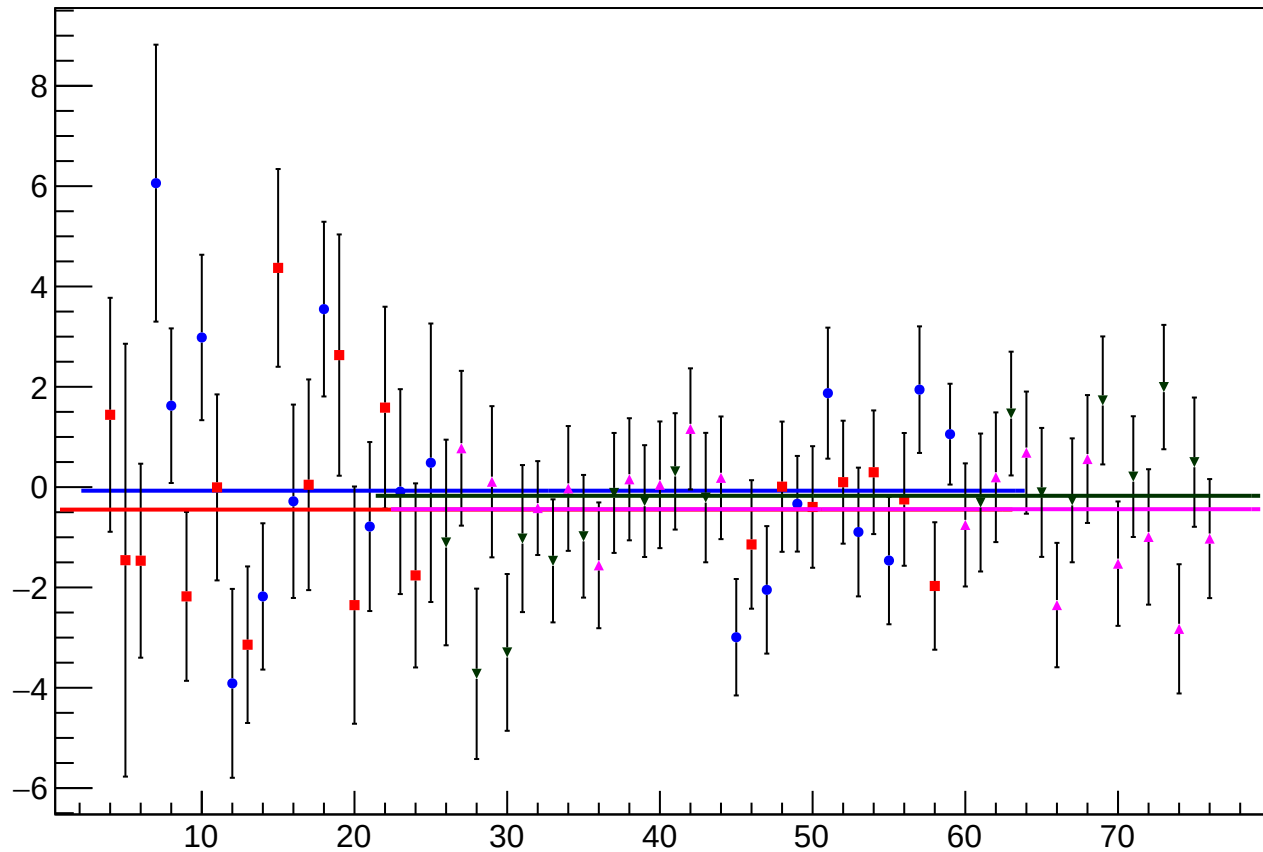
Right Out: 157.534 ± 0.037 χ^2/NDF : 1049684.2/18

Left In: 132.518 ± 0.030 χ^2/NDF : 774457.2/17

152.232 ± 0.024 χ^2/NDF : 1578880.4/35

142.500 ± 0.023 χ^2/NDF : 2101698.4/36

asym_cav4dQ_mean vs slug



Right In: -0.071 ± 0.335 χ^2/NDF : 36.8/17

Left Out: -0.173 ± 0.307 χ^2/NDF : 18.1/17

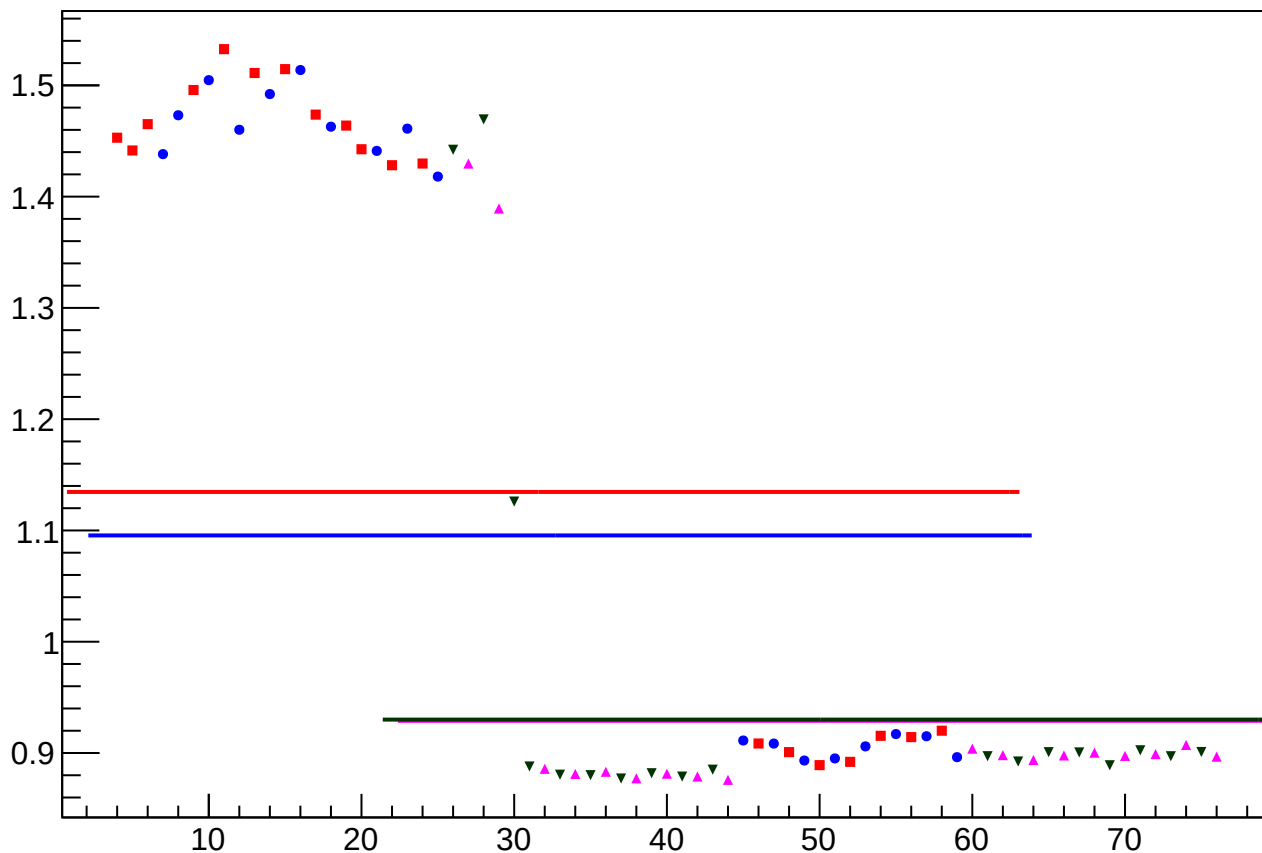
Right Out: -0.448 ± 0.369 χ^2/NDF : 17.4/18

Left In: -0.440 ± 0.293 χ^2/NDF : 12.8/17

-0.127 ± 0.226 χ^2/NDF : 55.0/35

-0.443 ± 0.229 χ^2/NDF : 30.2/36

asym_cav4dQ_rms vs slug



Right In: 1.096+/-0.000 χ^2/NDF : 1288766.9/17

Left Out: 0.930+/-0.000 χ^2/NDF : 390982.6/17

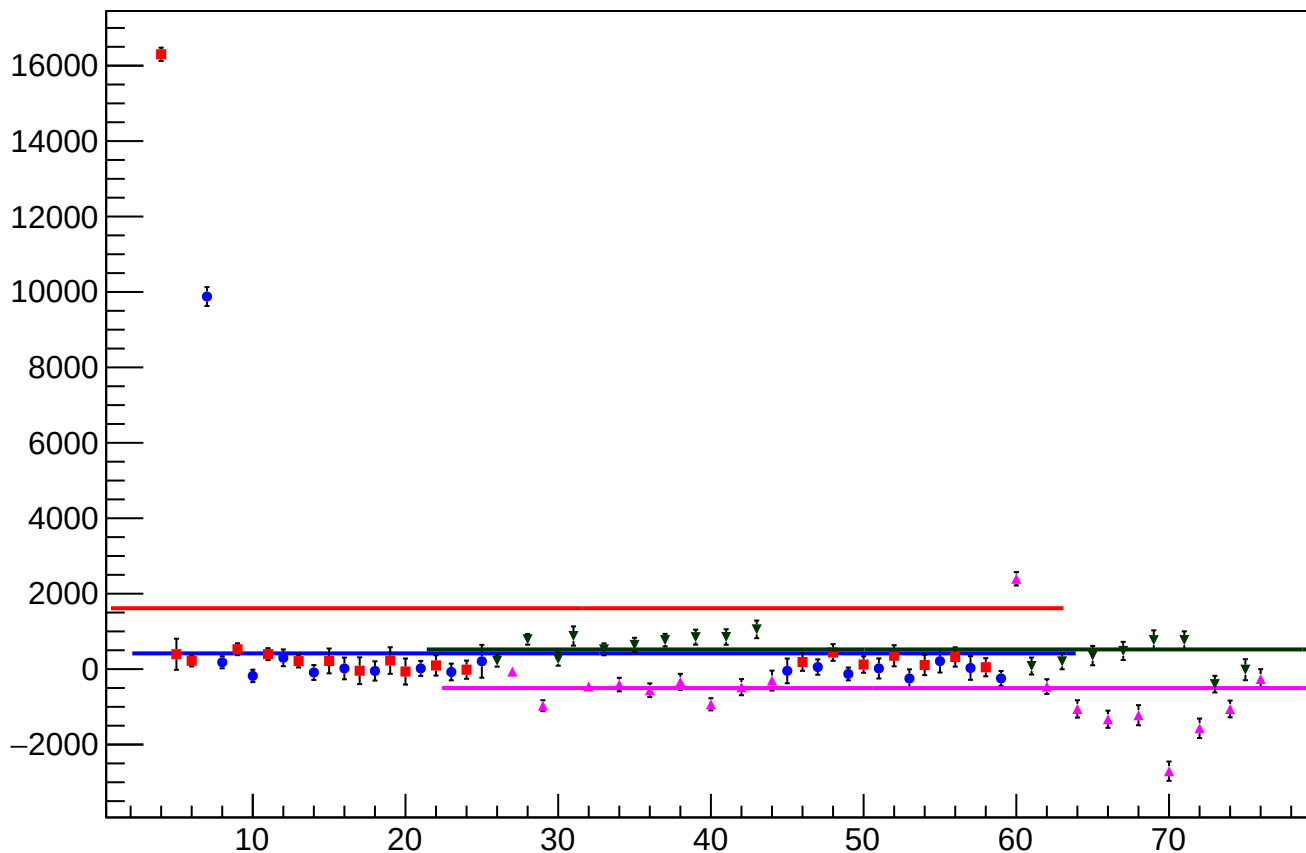
Right Out: 1.135+/-0.000 χ^2/NDF : 1161881.6/18

Left In: 0.929+/-0.000 χ^2/NDF : 431038.6/17

1.005+/-0.000 χ^2/NDF : 1945049.6/35

1.008+/-0.000 χ^2/NDF : 1973981.3/36

asym_bcm0l02_mean vs slug



Right In: 417.186+/-52.636 χ^2/NDF : 1507.9/17

Left Out: 522.019+/-47.150 χ^2/NDF : 53.8/17

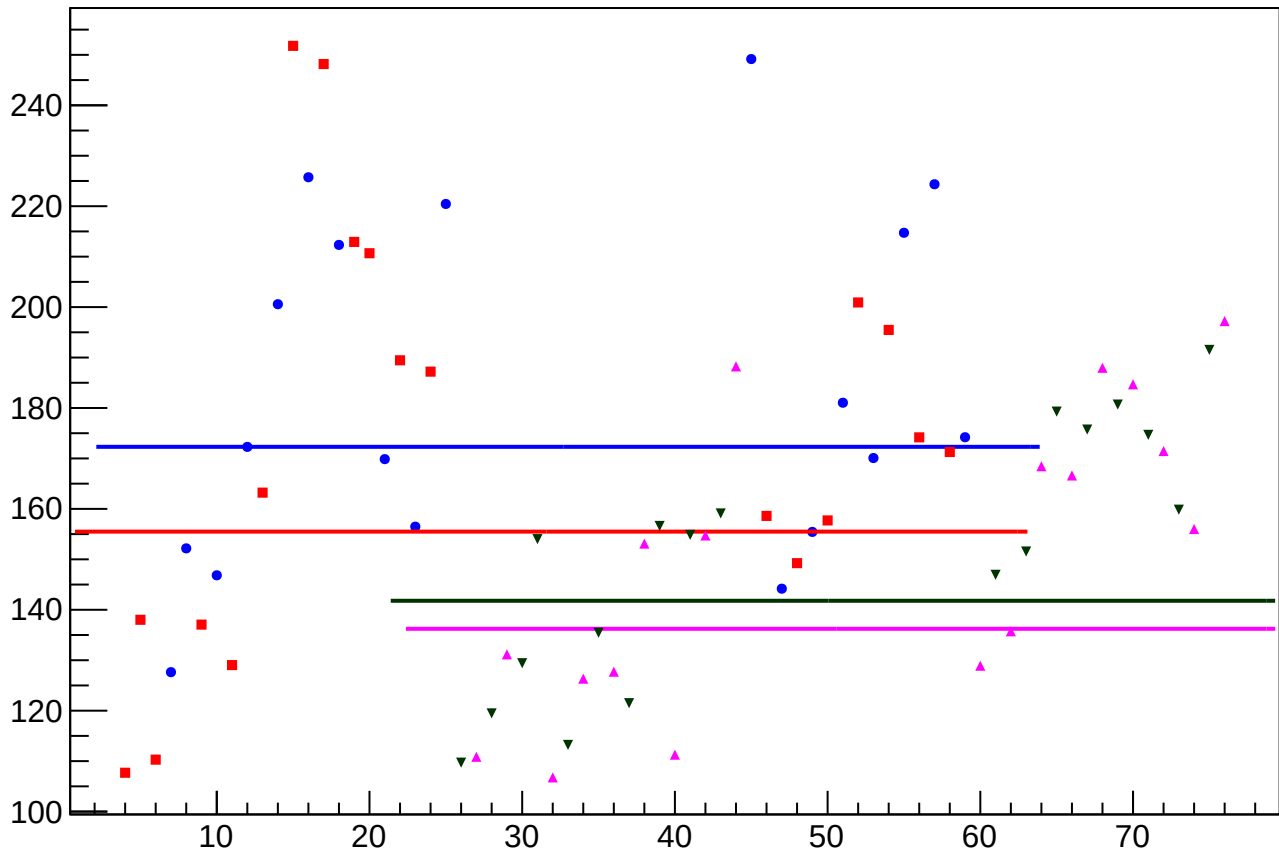
Right Out: 1614.499+/-51.138 χ^2/NDF : 7665.3/18

Left In: -501.866+/-43.555 χ^2/NDF : 422.3/17

475.348+/-35.120 χ^2/NDF : 1564.0/35

387.919+/-33.158 χ^2/NDF : 9080.3/36

asym_bcm0l02_rms vs slug



Right In: 172.303 ± 0.037 χ^2/NDF : 600813.3/17

Left Out: 141.786 ± 0.033 χ^2/NDF : 524171.1/17

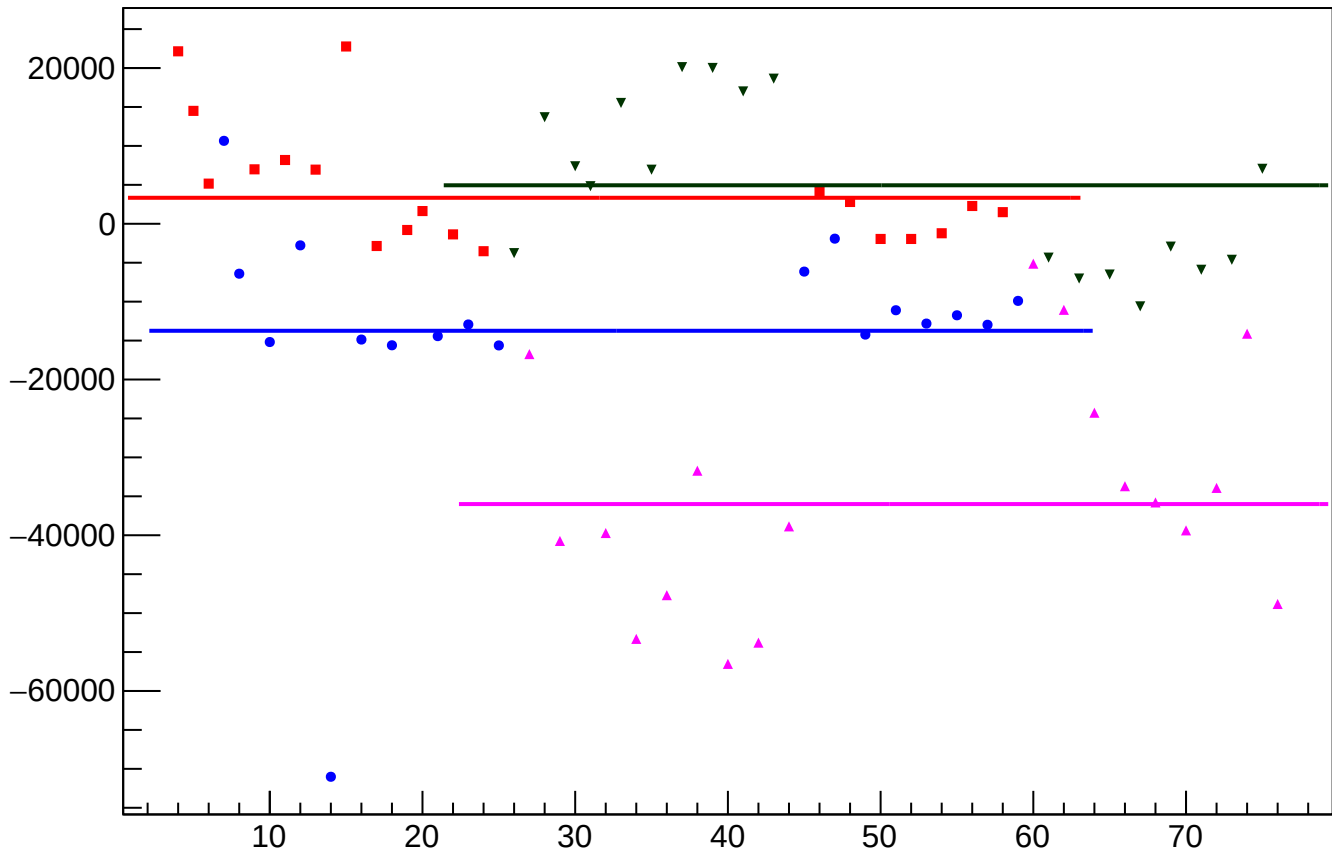
155.372 ± 0.025 χ^2/NDF : 1497977.9/35

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

144.330 ± 0.023 χ^2/NDF : 1959581.7/36

Left In: 136.231 ± 0.031 χ^2/NDF : 776378.0/17

asym_bpm2i01WS_mean vs slug



Right In: -13741.376+/-32.053 χ^2/NDF : 222194.3/17

Left Out: 4943.842+/-30.911 χ^2/NDF : 124669.0/17

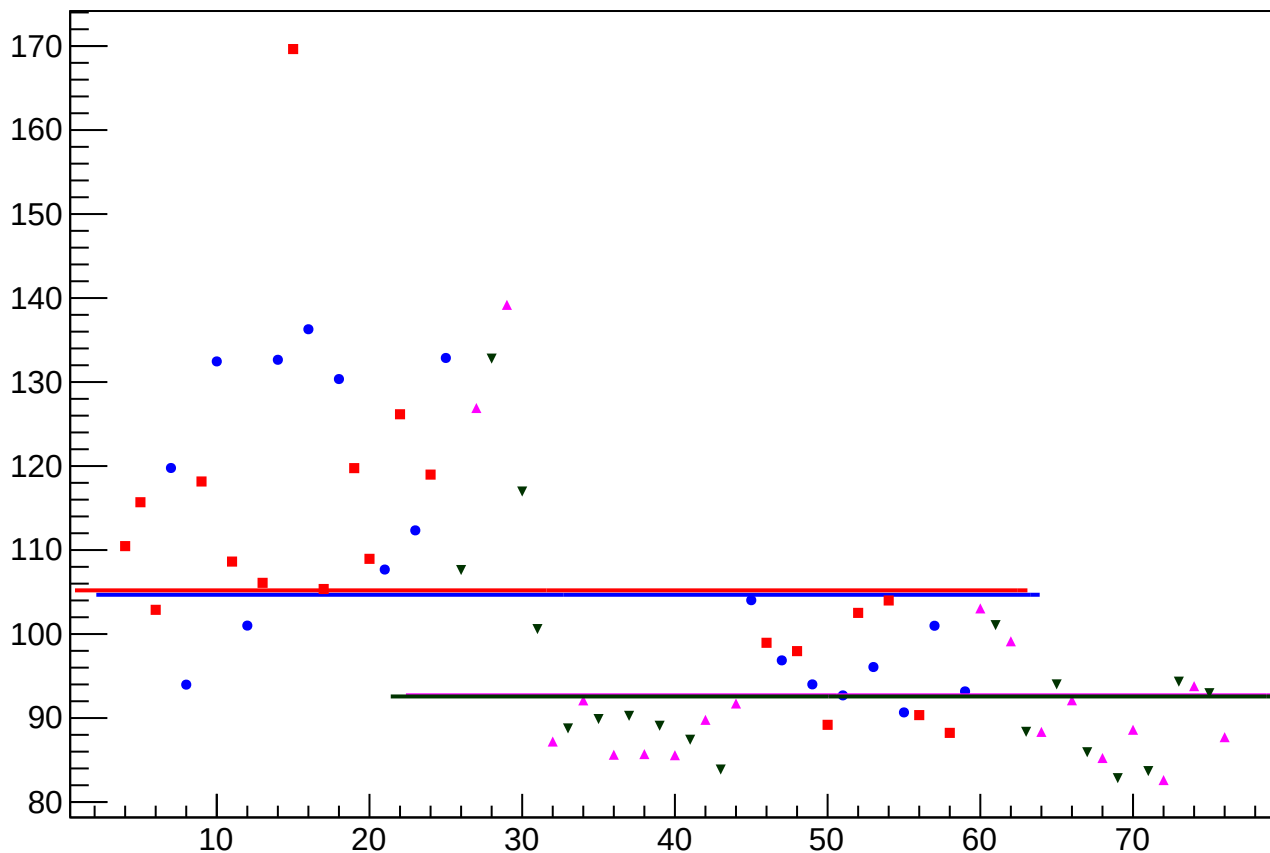
Right Out: 3338.926+/-34.258 χ^2/NDF : 31361.1/18

Left In: -35995.948+/-29.686 χ^2/NDF : 220411.4/17

-4060.144+/-22.250 χ^2/NDF : 522938.4/35

-19126.083+/-22.435 χ^2/NDF : 1004733.0/36

asym_bpm2i01WS_rms vs slug



Right In: 104.677 $\pm$ 0.023 χ^2 /NDF: 431749.6/17

Left Out: 92.569 $\pm$ 0.022 χ^2 /NDF:250269.1/17

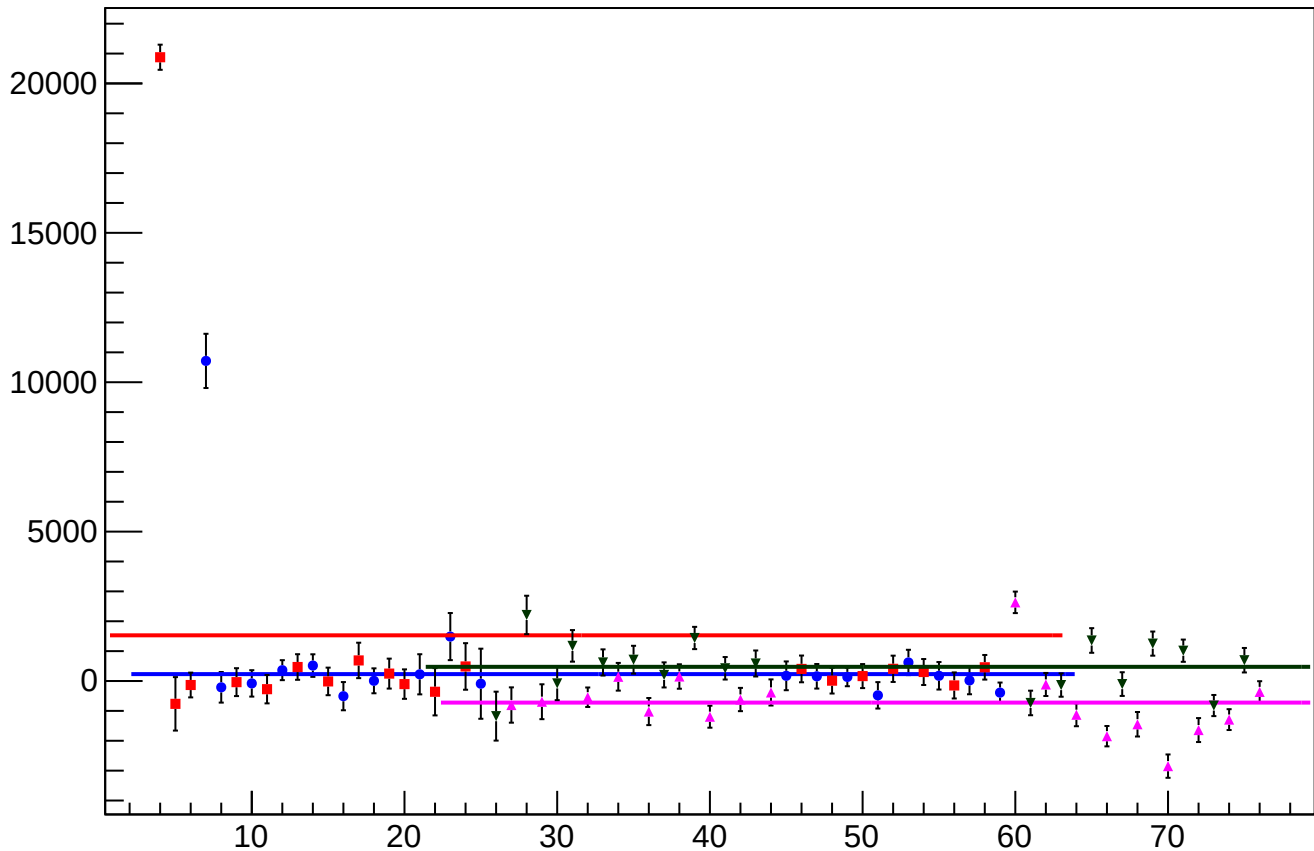
98.403 $\pm$ 0.016 χ^2 /NDF: 829883.7/35

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

98.066 $\pm$ 0.016 χ^2 /NDF: 852120.2/36

Left In: 92.708 $\pm$ 0.021 χ^2 /NDF:363512.2/17

asym_bpm0i07WS_mean vs slug



Right In: 230.965 ± 105.235 $\chi^2/\text{NDF}: 148.0/17$

Left Out: 474.609 ± 101.165 $\chi^2/\text{NDF}: 59.0/17$

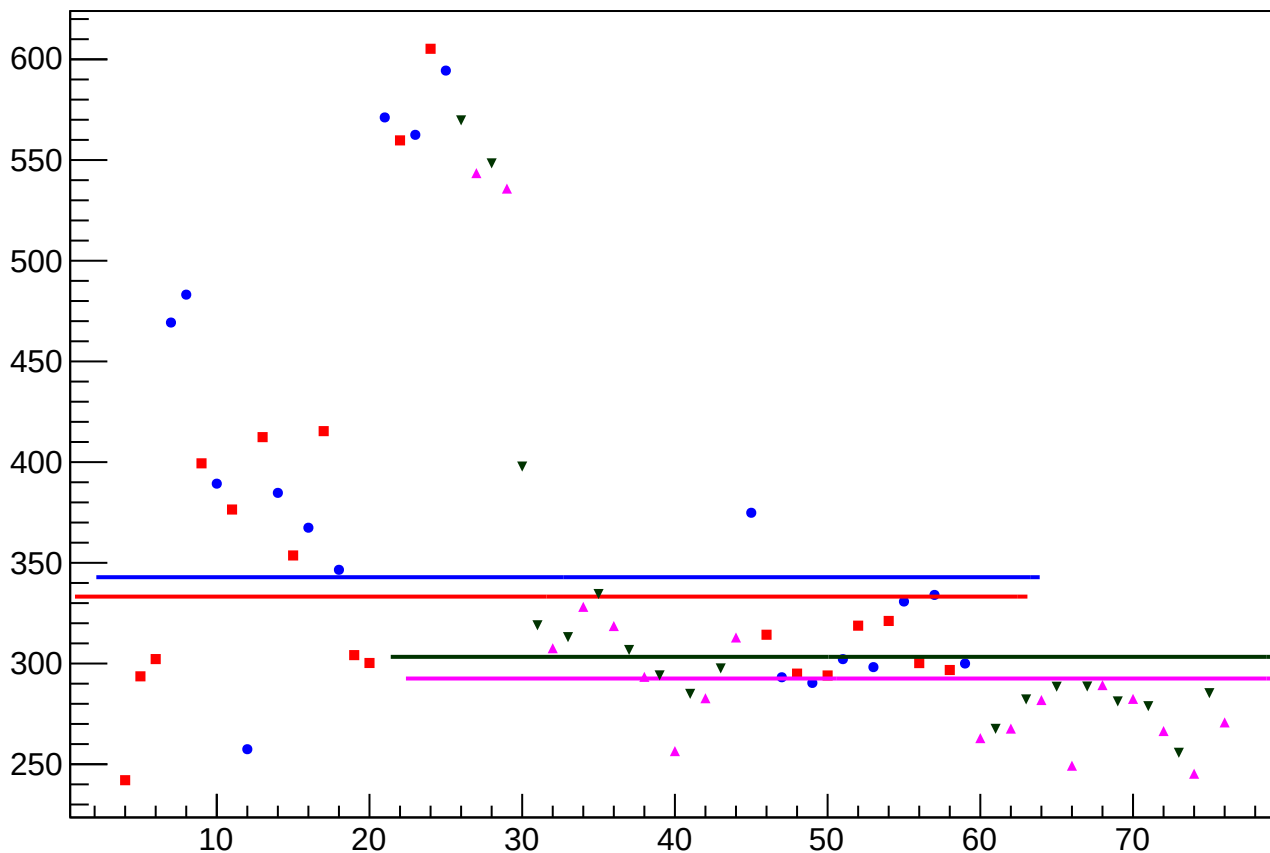
357.590 ± 72.931 $\chi^2/\text{NDF}: 209.7/35$

Right Out: 1529.045 ± 108.949 $\chi^2/\text{NDF}: 2274.0/18$

232.266 ± 70.951 $\chi^2/\text{NDF}: 2674.2/36$

Left In: -722.721 ± 93.495 $\chi^2/\text{NDF}: 154.2/17$

asym_bpm0i07WS_rms vs slug



Right In: 342.865 $\pm$ 0.074 χ^2 /NDF: 1018623.1/17

Left Out: 303.317 $\pm$ 0.072 χ^2 /NDF: 657340.4/17

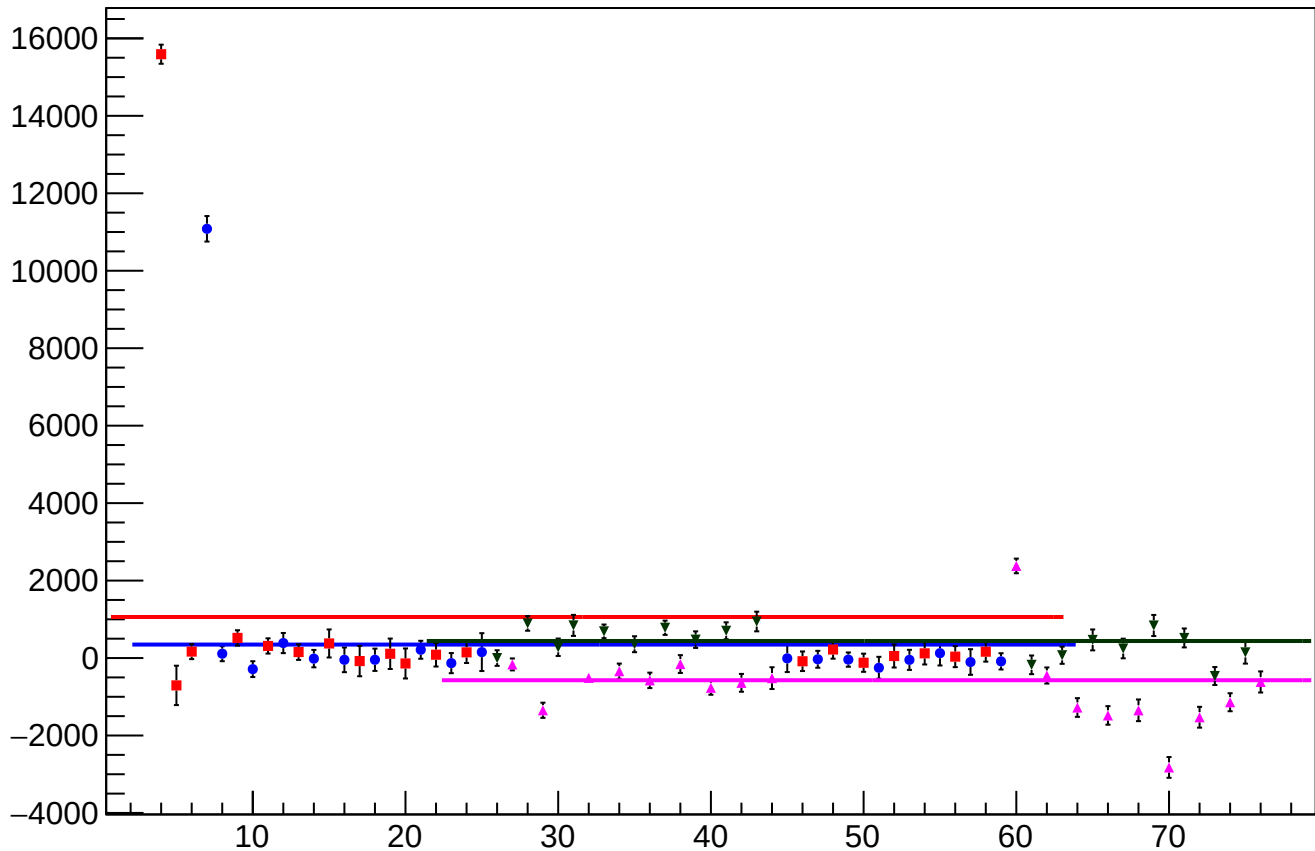
Right Out: 333.230 $\pm$ 0.077 χ^2 /NDF: 768934.3/18

Left In: 292.558 $\pm$ 0.066 χ^2 /NDF: 864867.8/17

322.312 $\pm$ 0.052 χ^2 /NDF: 1822759.1/35

309.808 $\pm$ 0.050 χ^2 /NDF: 1794316.5/36

asym_bpm0l01WS_mean vs slug



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

Left Out: 440.014 ± 52.948 χ^2/NDF : 52.6/17

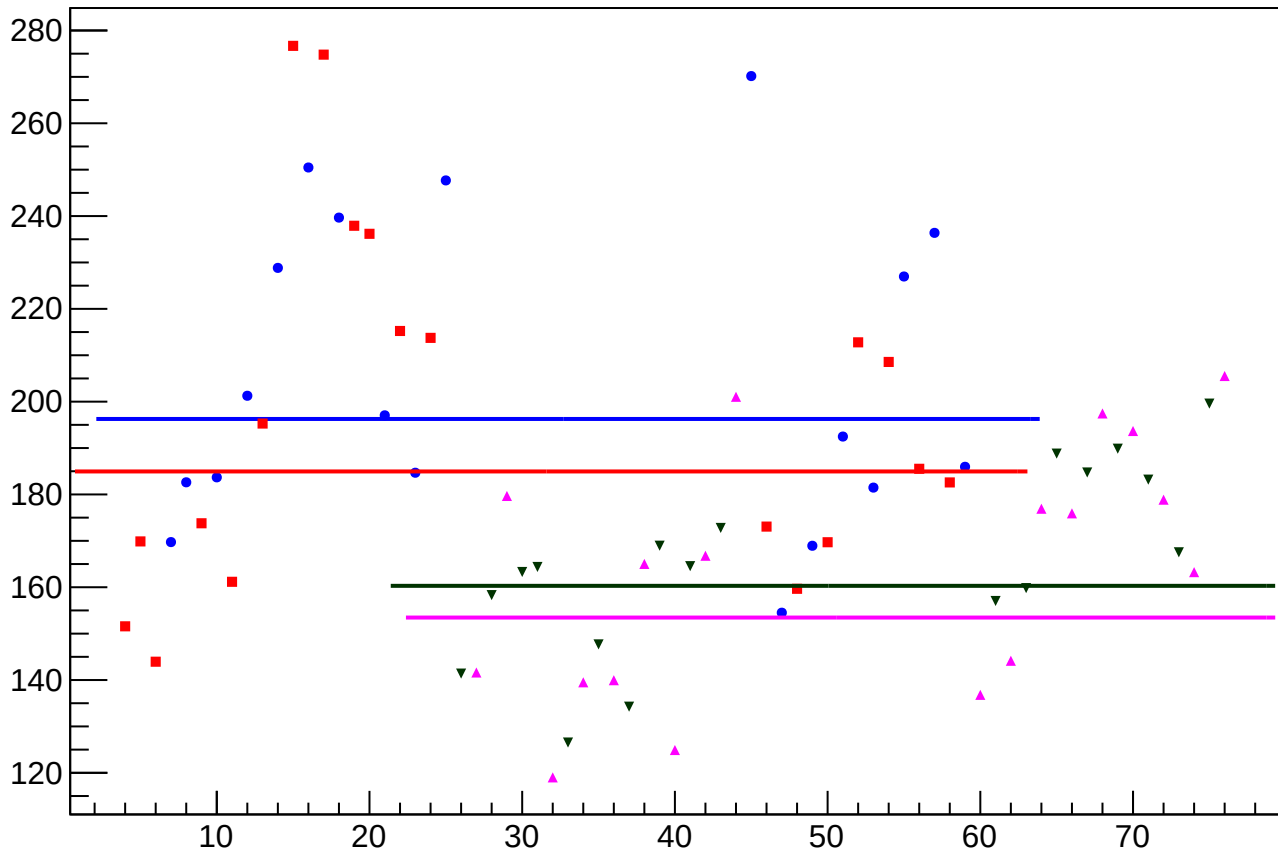
399.546 ± 39.597 χ^2/NDF : 1157.1/35

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

76.150 ± 37.851 χ^2/NDF : 4547.8/36

Left In: -572.949 ± 48.764 χ^2/NDF : 393.4/17

asym_bpm0l01WS_rms vs slug



Right In: 196.269 ± 0.042 $\chi^2/\text{NDF}: 466122.9/17$

Left Out: 160.303 ± 0.037 $\chi^2/\text{NDF}: 268883.7/17$

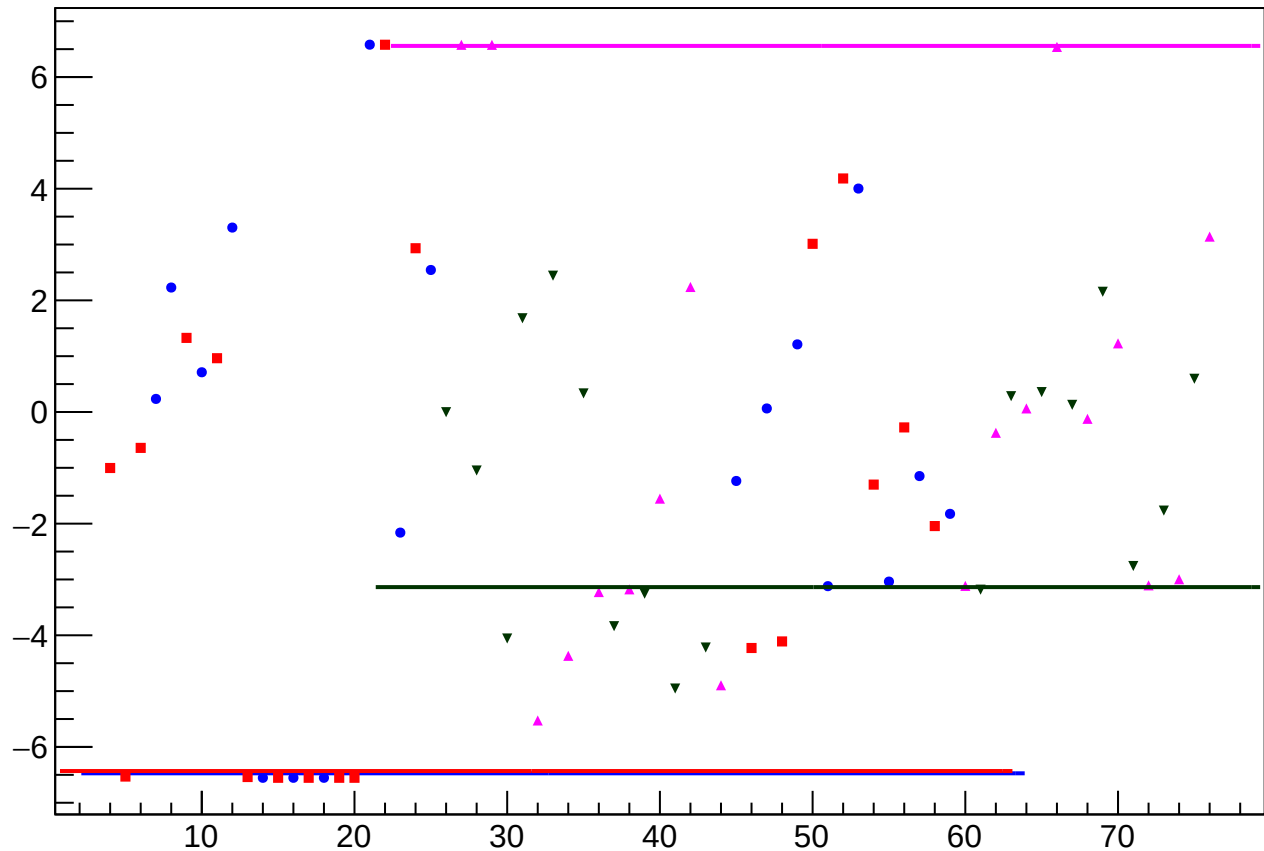
Right Out: 184.956 ± 0.042 $\chi^2/\text{NDF}: 580645.4/18$

Left In: 153.466 ± 0.034 $\chi^2/\text{NDF}: 579117.4/17$

176.155 ± 0.028 $\chi^2/\text{NDF}: 1141712.9/35$

165.984 ± 0.027 $\chi^2/\text{NDF}: 1491298.5/36$

yield_cav4bX_mean vs slug



Right In: -6.473+/-0.000 χ^2/NDF : 127847949322838.5/17

Left Out: -3.137+/-0.001 χ^2/NDF : 12185288.6/17

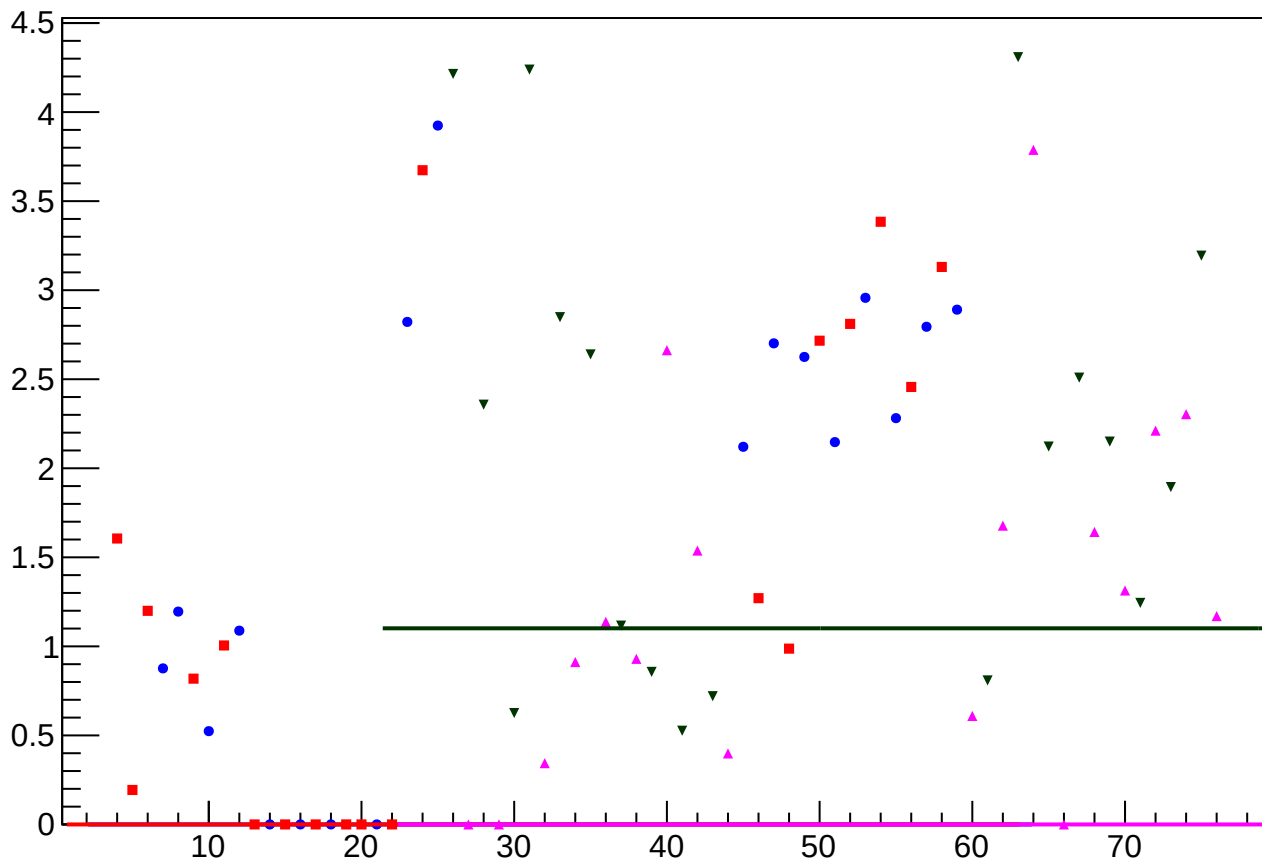
Right Out: -6.432+/-0.000 χ^2/NDF : 150837619676093.8/18

Left In: 6.558+/-0.000 χ^2/NDF : 1579711280.2/17

-6.473+/-0.000 χ^2/NDF : 127848003048898.8/3

-6.196+/-0.000 χ^2/NDF : 446402714657735.8/3

yield_cav4bX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 11913804.6/17

Left Out: 1.101+/-0.000 χ^2/NDF : 4526162.7/17

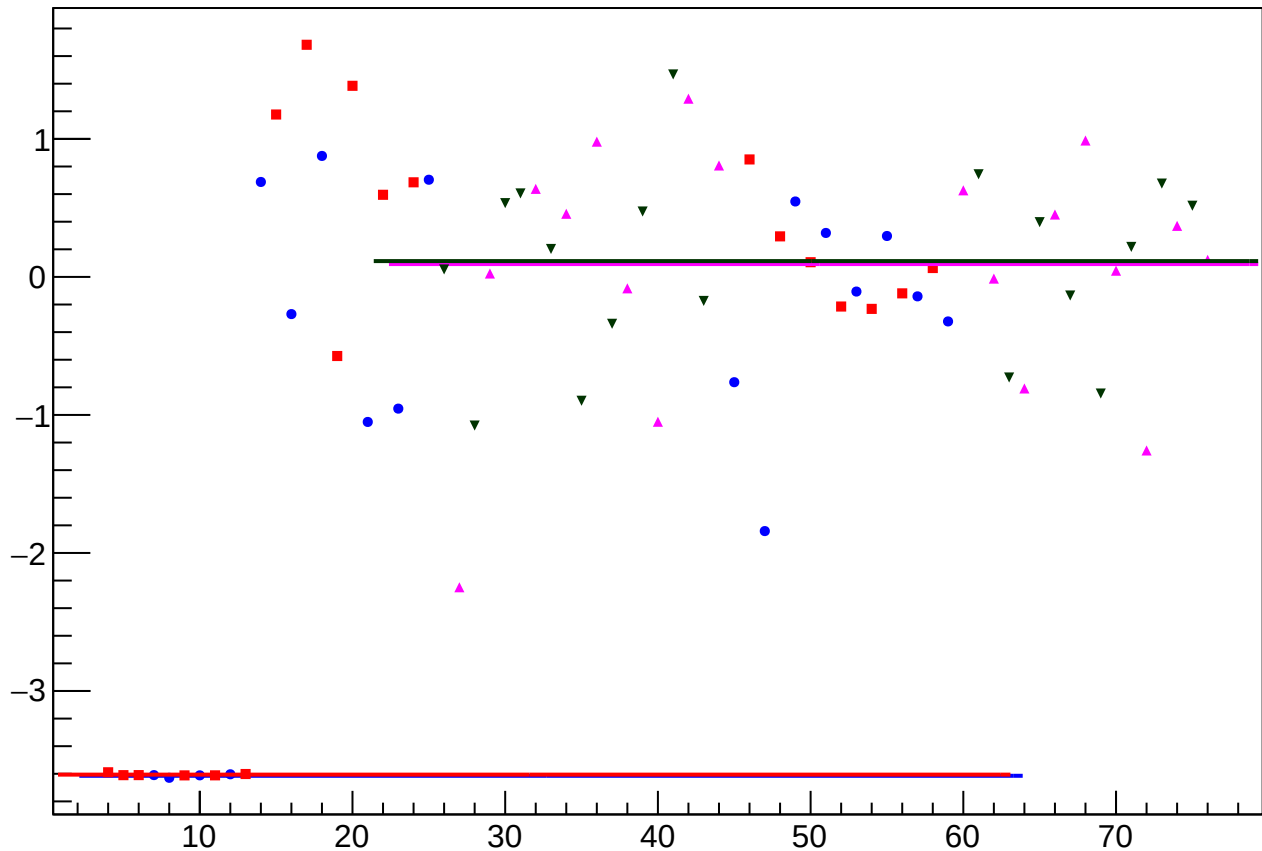
Right Out: 0.000+/-0.000 χ^2/NDF : 9626570.5/18

Left In: 0.000+/-0.000 χ^2/NDF : 11081619.2/17

0.000+/-0.000 χ^2/NDF : 25495625.7/35

0.000+/-0.000 χ^2/NDF : 20708263.6/36

yield_cav4bY_mean vs slug



Right In: -3.614+/-0.000 χ^2/NDF : 49086055221.8/17

Left Out: 0.115+/-0.000 χ^2/NDF :10731142.4/17

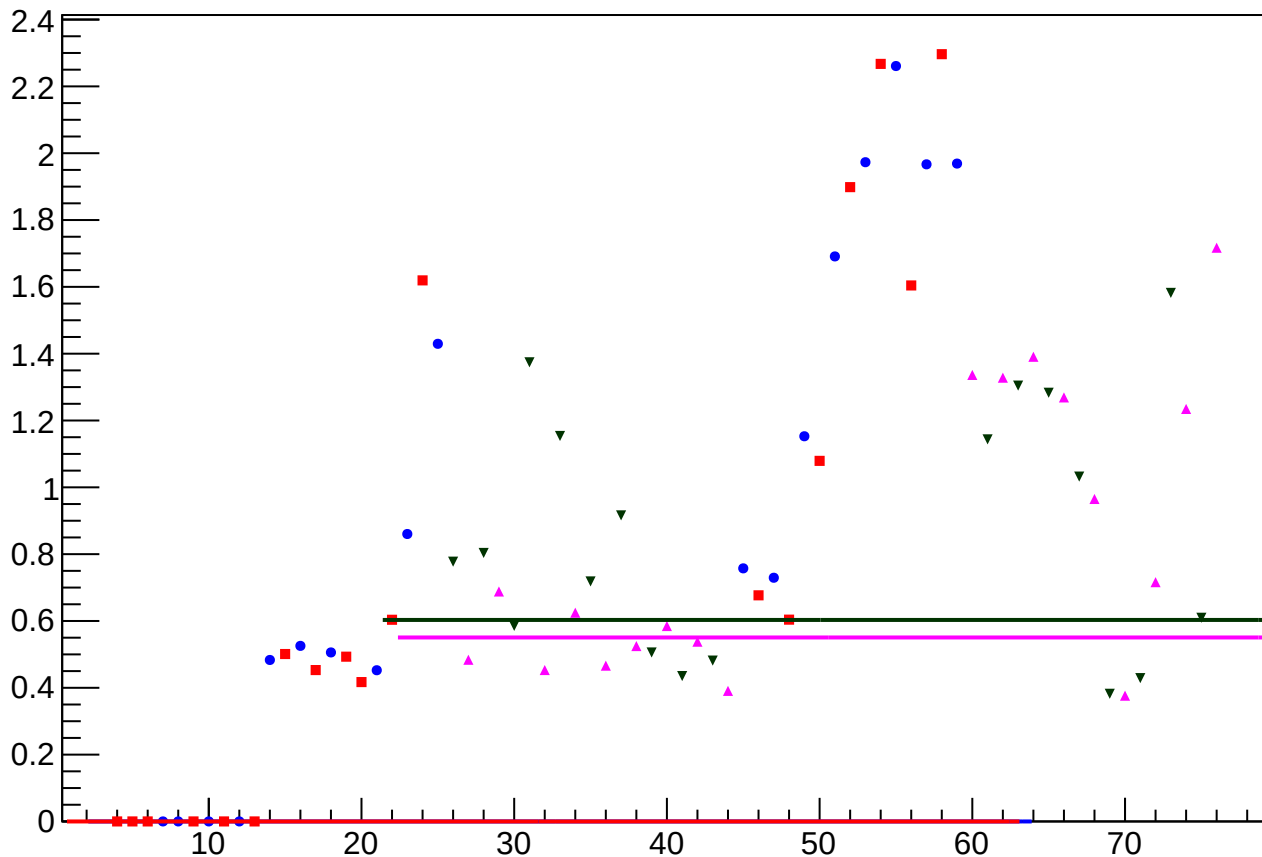
-3.614+/-0.000 χ^2/NDF : 49331413880.1/35

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

-3.606+/-0.000 χ^2/NDF : 38115292529.5/36

Left In: 0.093+/-0.000 χ^2/NDF :21863388.7/17

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 : 2411723.3/17

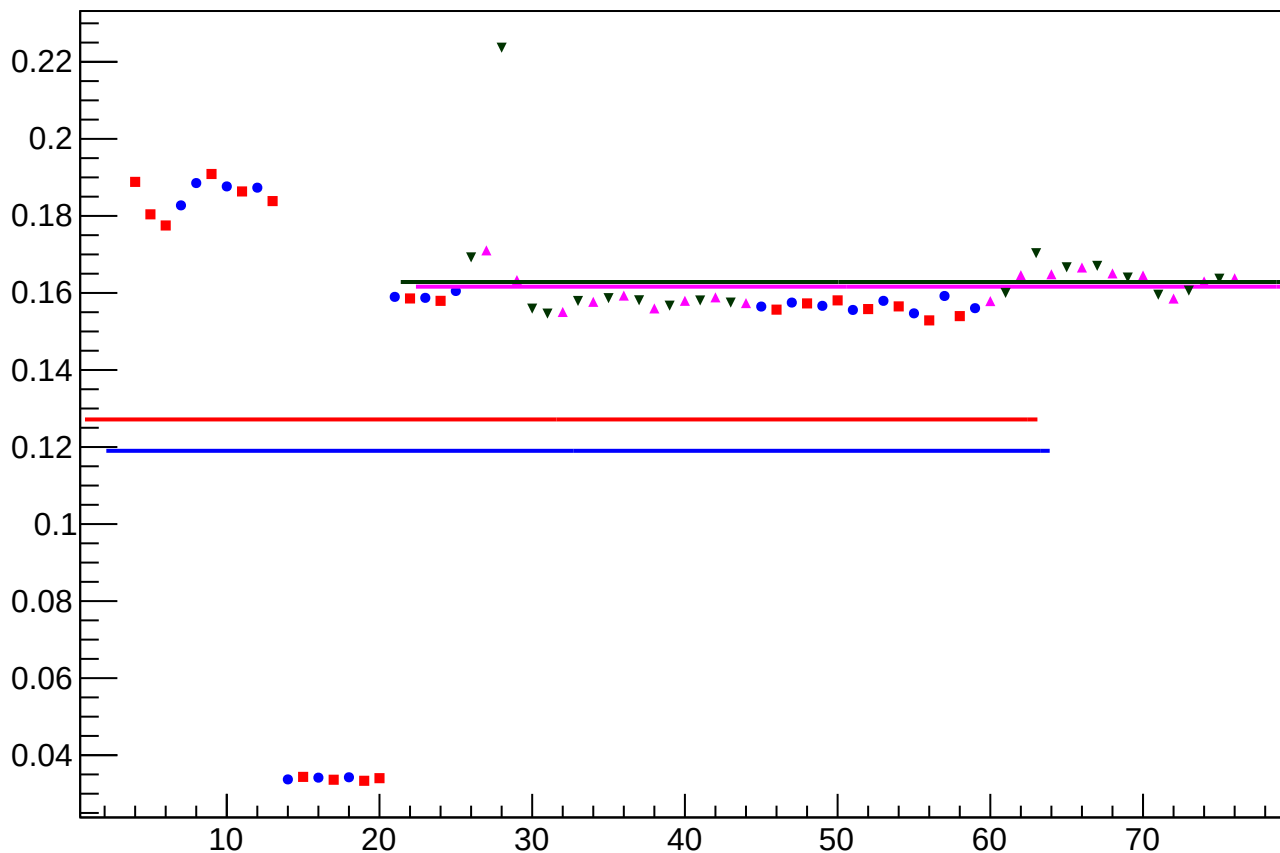
Right Out: 0.000+/-0.000 χ^2/NDF : 10531530.4/18

Left In: 0.551+/-0.000 χ^2/NDF : 2811537.2/17

0.000+/-0.000 χ^2/NDF : 28463114.9/35

0.000+/-0.000 χ^2/NDF : 26664102.5/36

yield_cav4cX_mean vs slug



Right In: 0.119+/-0.000 χ^2/NDF : 4974475463.8/17

Left Out: 0.163+/-0.000 χ^2/NDF :103033952.3/17

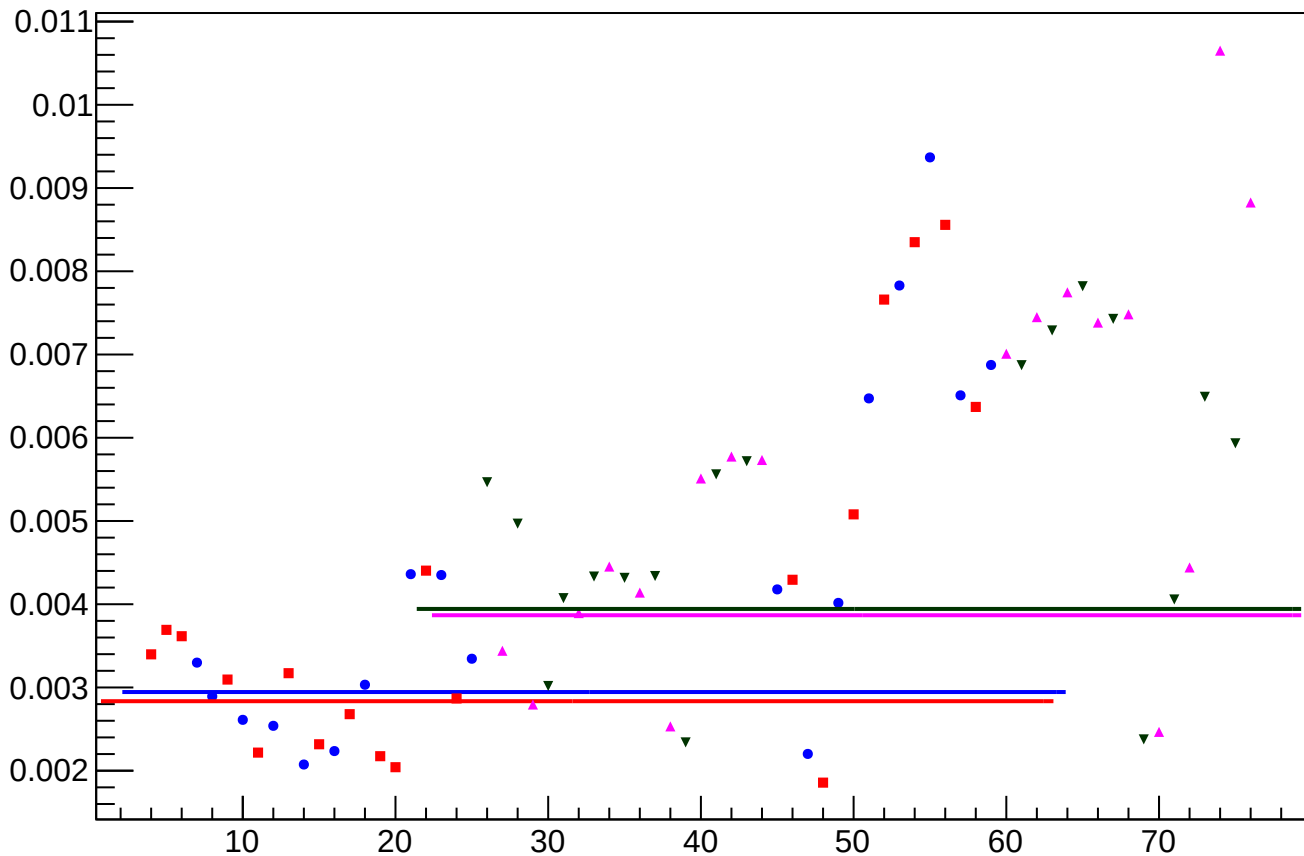
Right Out: 0.127+/-0.000 χ^2/NDF : 4426693928.8/18

Left In: 0.162+/-0.000 χ^2/NDF :13457785.3/17

0.133+/-0.000 χ^2/NDF : 5725960536.8/35

0.139+/-0.000 χ^2/NDF : 4860209851.5/36

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 :2379513.1/17

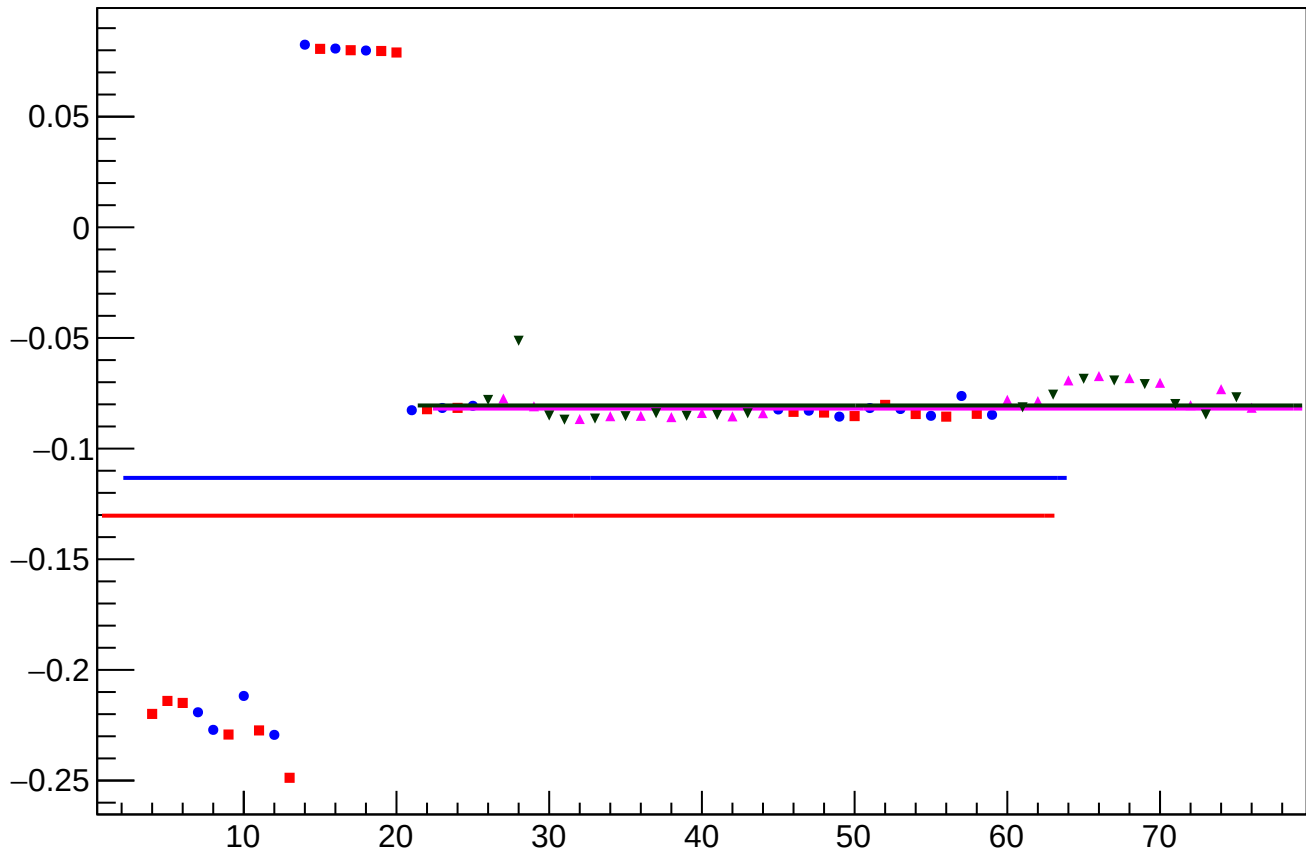
Right Out: 0.003+/-0.000 χ^2/NDF : 2697291.9/18

Left In: 0.004+/-0.000 χ^2/NDF :2987470.2/17

0.003+/-0.000 χ^2/NDF : 6037789.8/35

0.003+/-0.000 χ^2/NDF : 6438873.8/36

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 : 41977558.8/17

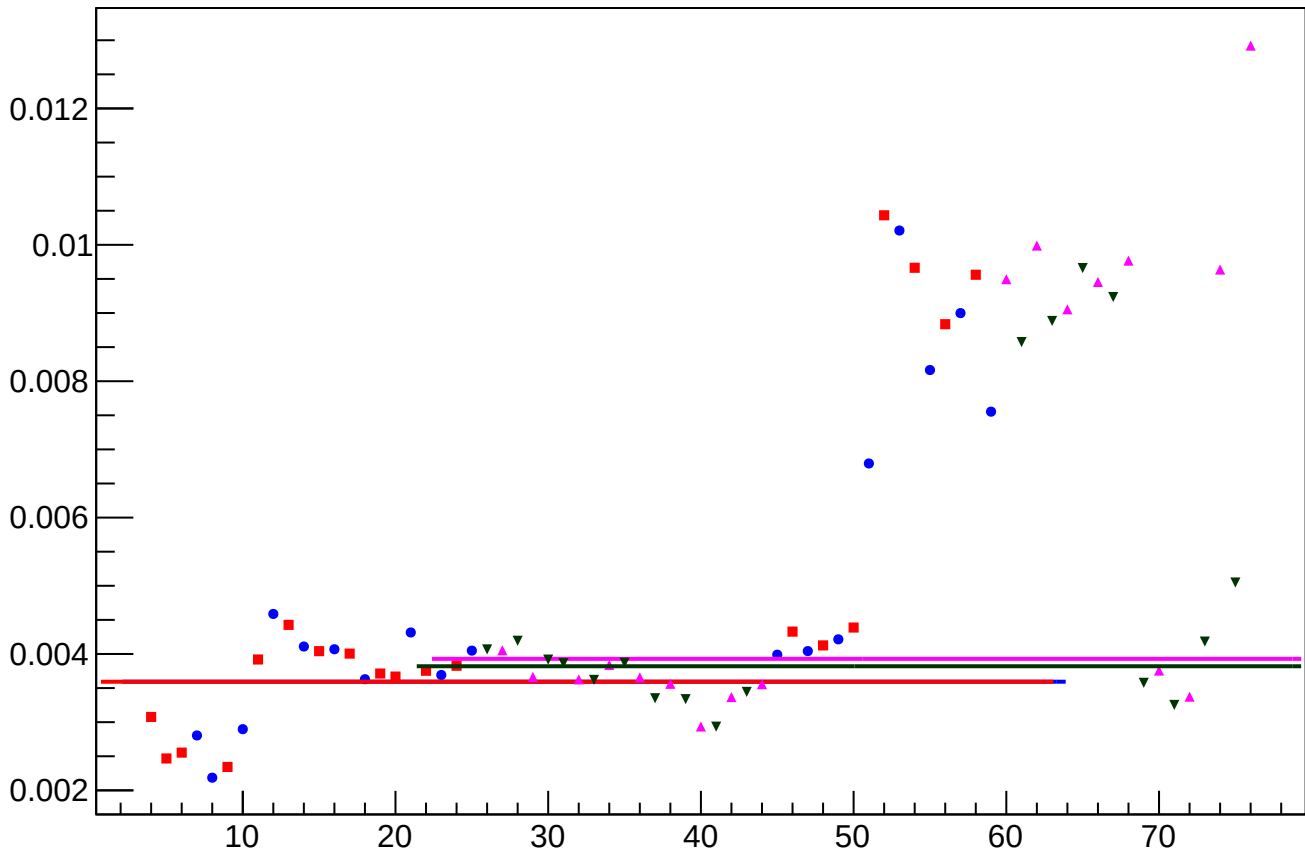
Right Out: -0.130 ± 0.000 χ^2/NDF : 8867144829.5/18

Left In: -0.082 ± 0.000 χ^2/NDF : 13349013.4/17

-0.099 ± 0.000 χ^2/NDF : 10071619159.9/35

-0.108 ± 0.000 χ^2/NDF : 9557430736.4/36

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 :1415101.6/17

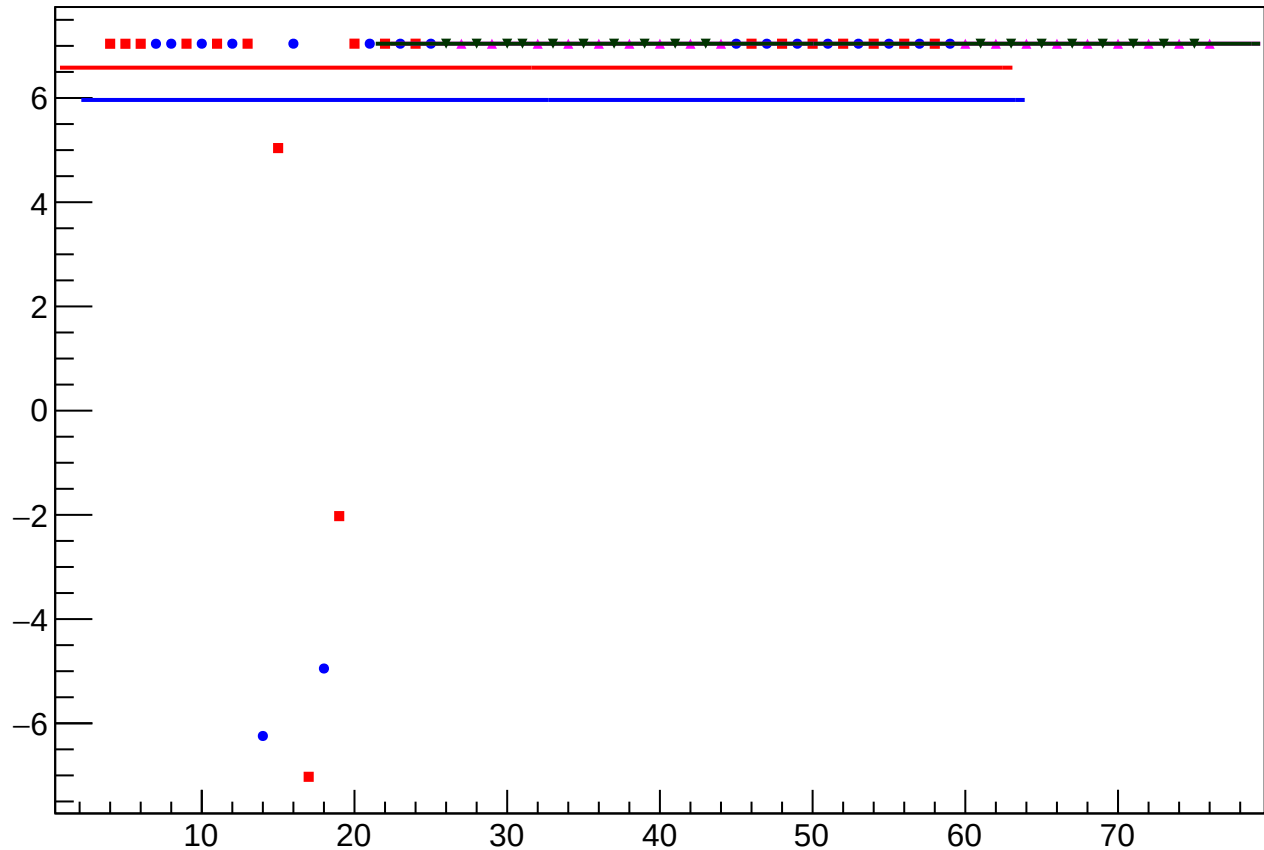
Right Out: 0.004+/-0.000 χ^2/NDF : 2225355.5/18

Left In: 0.004+/-0.000 χ^2/NDF :2402503.4/17

0.004+/-0.000 χ^2/NDF : 4083597.1/35

0.004+/-0.000 χ^2/NDF : 4692931.1/36

yield_cav4dX_mean vs slug



Right In: 5.962 ± 0.000 χ^2/NDF : 4616105002600912.0/17

Left Out: 7.042 ± 0.000 χ^2/NDF : 11310145.2/17

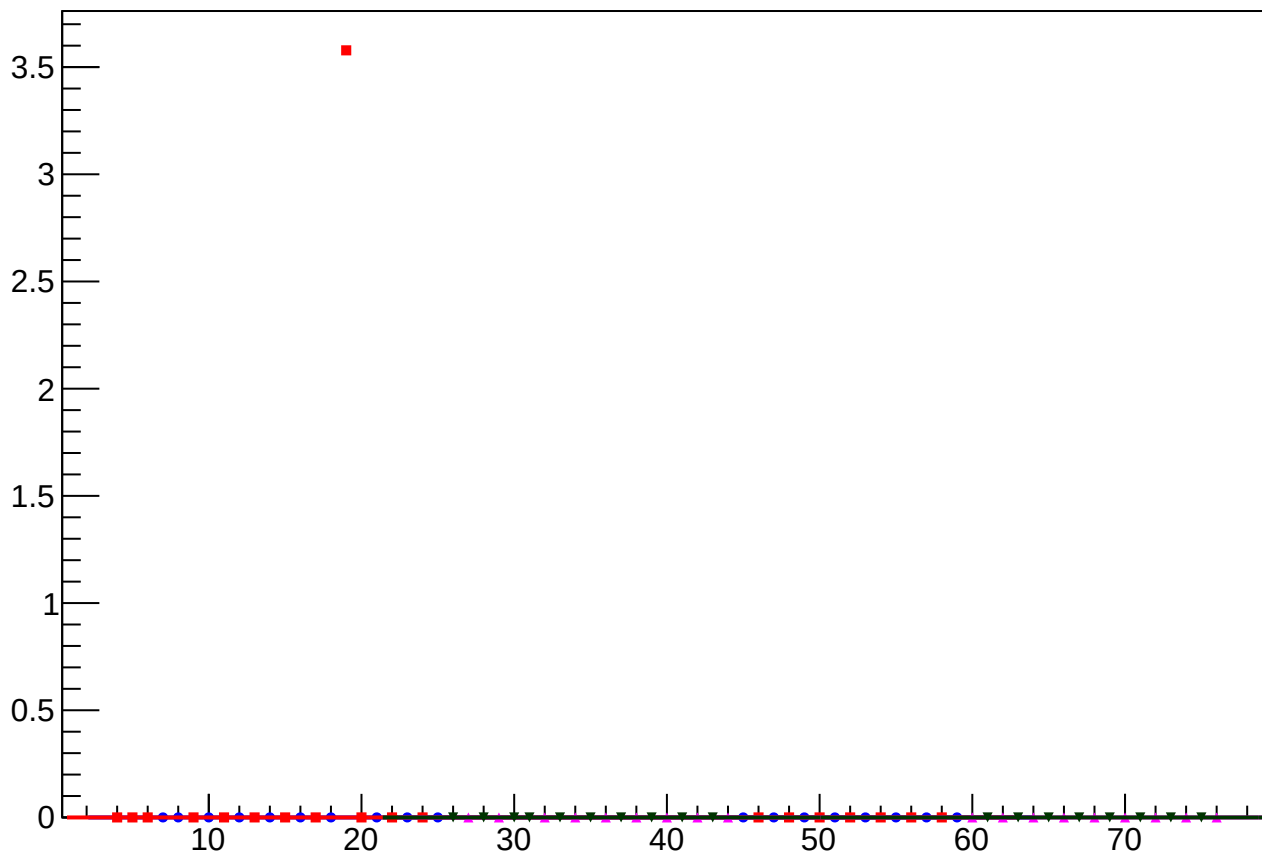
Right Out: 6.582 ± 0.000 χ^2/NDF : 1856853993700647.2/18

Left In: 7.042 ± 0.000 χ^2/NDF : 12195429.6/17

6.501 ± 0.000 χ^2/NDF : 4823785196137812.0/3

6.839 ± 0.000 χ^2/NDF : 1892960457788868.8/3

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 :1806.0/17

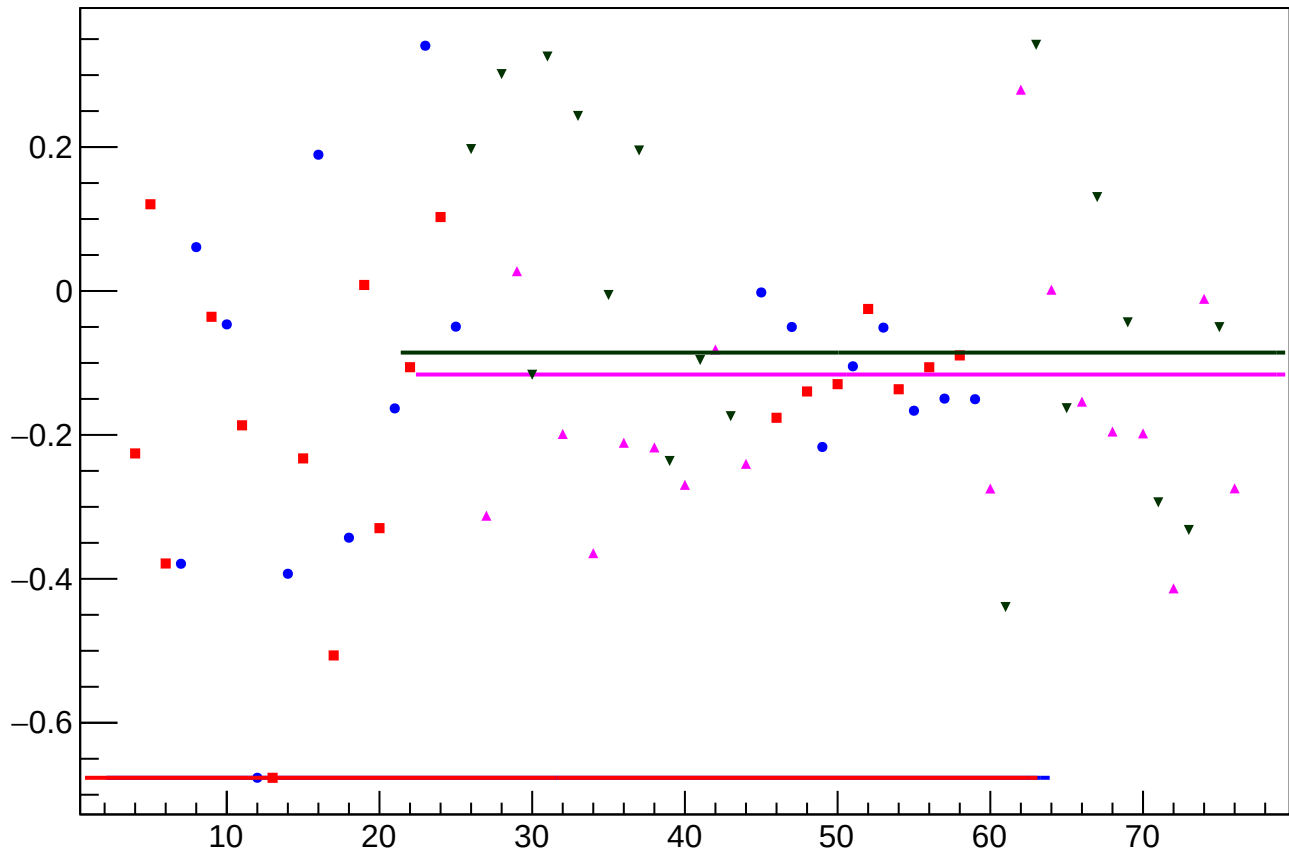
Right Out: 0.000+/-0.000 χ^2/NDF : 697661.6/18

Left In: 0.000+/-0.000 χ^2/NDF :2417.0/17

0.000+/-0.000 χ^2/NDF : 7988.1/35

0.000+/-0.000 χ^2/NDF : 703097.6/36

yield_cav4dY_mean vs slug



Right In: -0.676+/-0.000 χ^2/NDF : 266364367.2/17

Left Out: -0.086+/-0.000 χ^2/NDF : 36265550.4/17

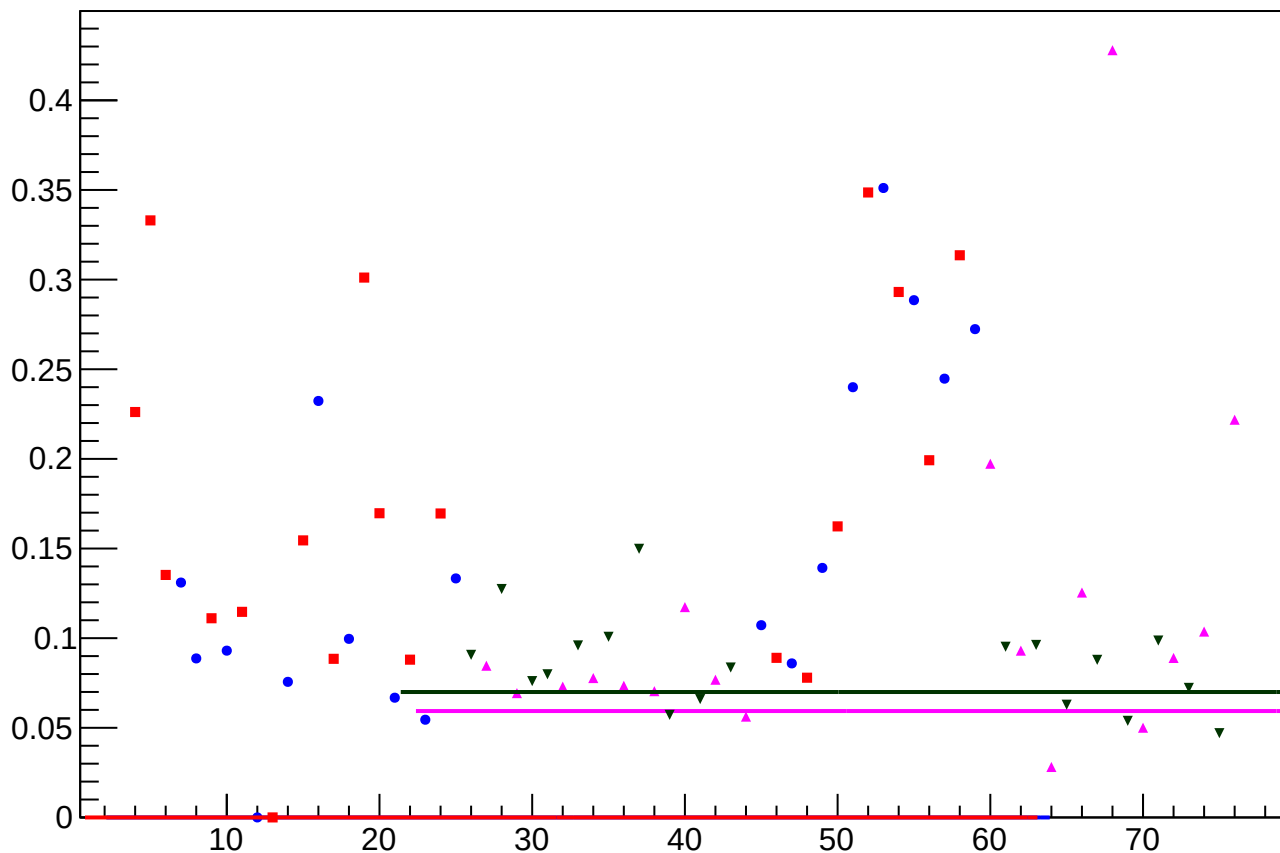
Right Out: -0.676+/-0.000 χ^2/NDF : 102004552.0/18

Left In: -0.116+/-0.000 χ^2/NDF : 29551099.3/17

-0.676+/-0.000 χ^2/NDF : 683467780.4/35

-0.676+/-0.000 χ^2/NDF : 612410921.4/36

yield_cav4dY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 16187995.6/17

Left Out: 0.070+/-0.000 χ^2/NDF : 964175.5/17

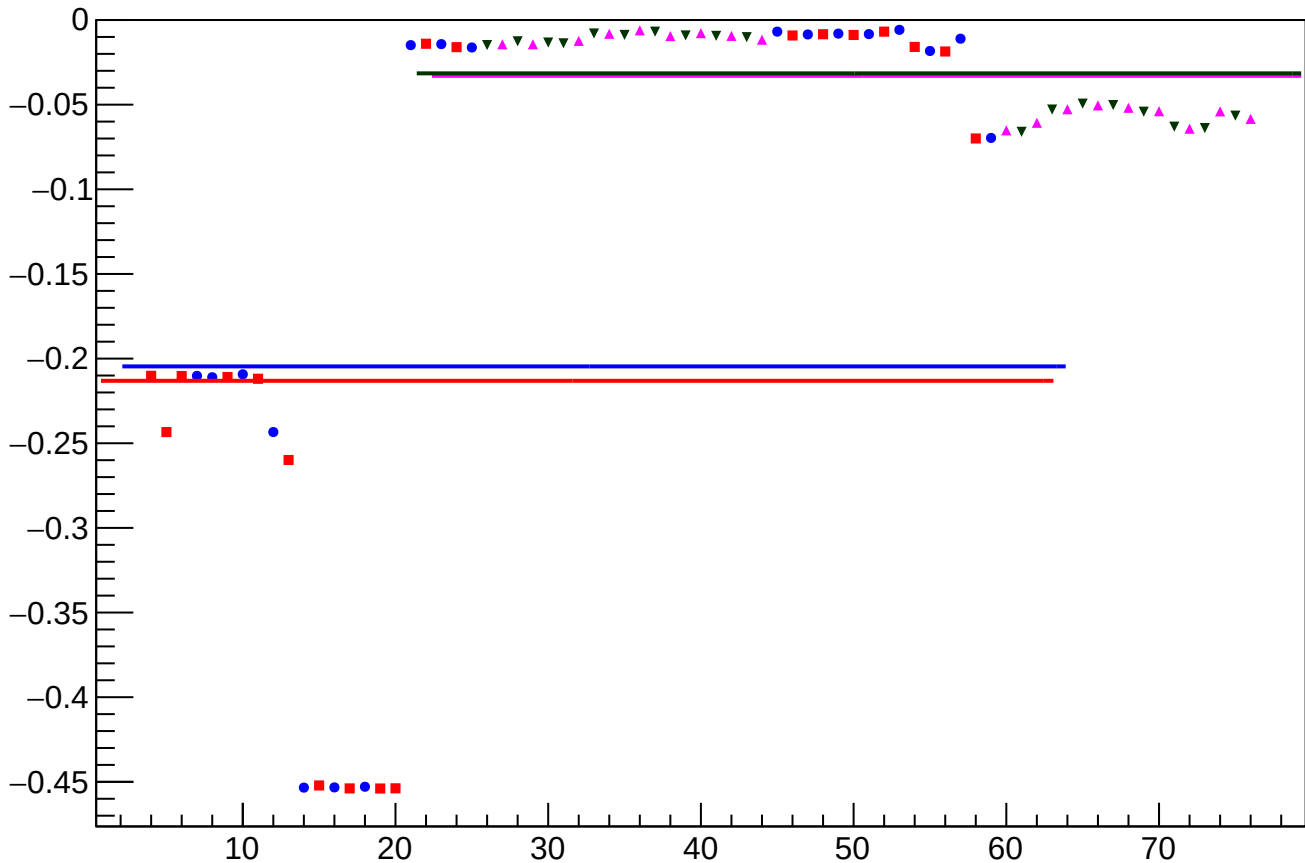
Right Out: 0.000+/-0.000 χ^2/NDF : 13760955.7/18

Left In: 0.059+/-0.000 χ^2/NDF : 3546904.1/17

0.000+/-0.000 χ^2/NDF : 27829251.0/35

0.000+/-0.000 χ^2/NDF : 28089588.7/36

yield_bpm4aX_mean vs slug



Right In: -0.205+/-0.000 χ^2/NDF : 5539981697.6/17

Left Out: -0.032+/-0.000 χ^2/NDF : 58020462.0/17

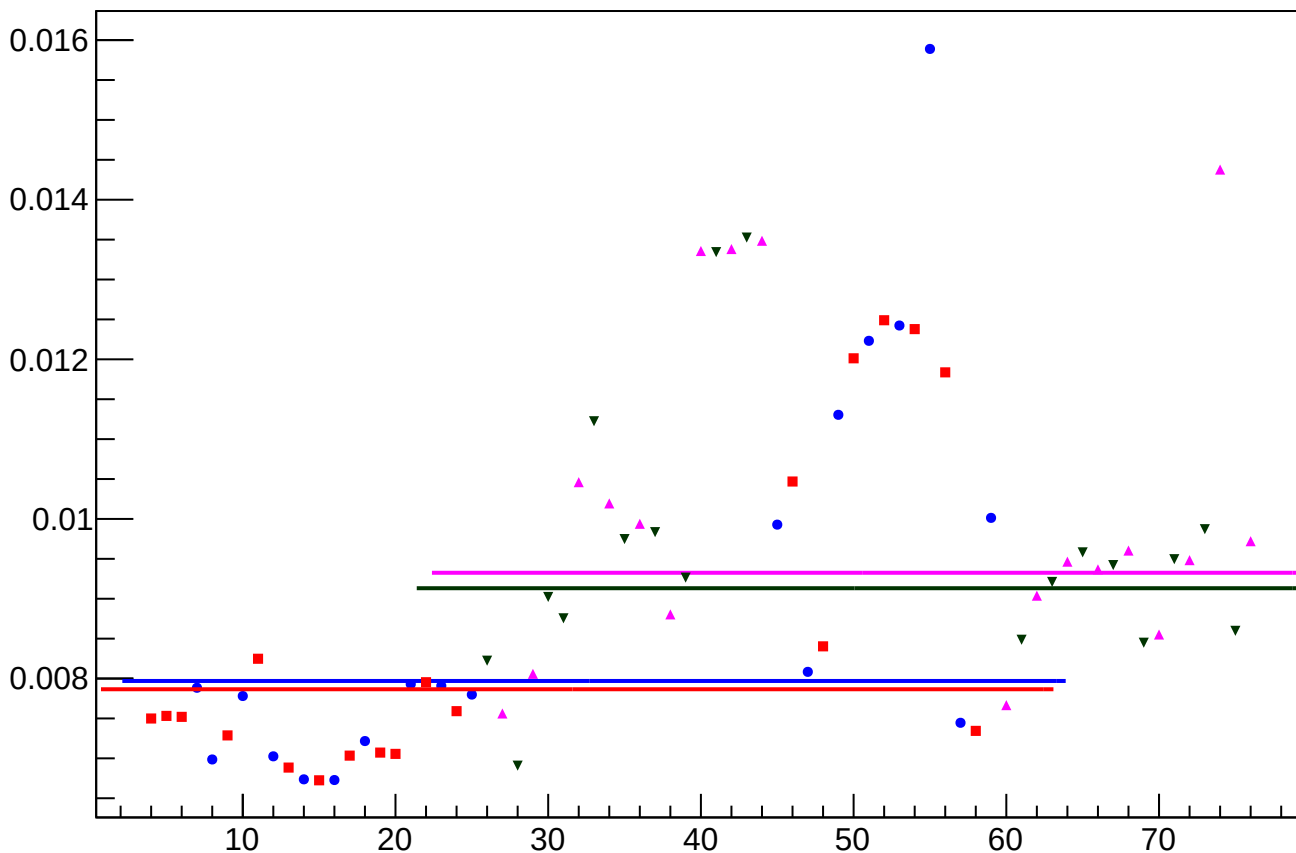
-0.137+/-0.000 χ^2/NDF : 7564451980.5/35

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

-0.137+/-0.000 χ^2/NDF : 6306665482.0/36

Left In: -0.033+/-0.000 χ^2/NDF : 60188223.2/17

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 : 435917.2/17

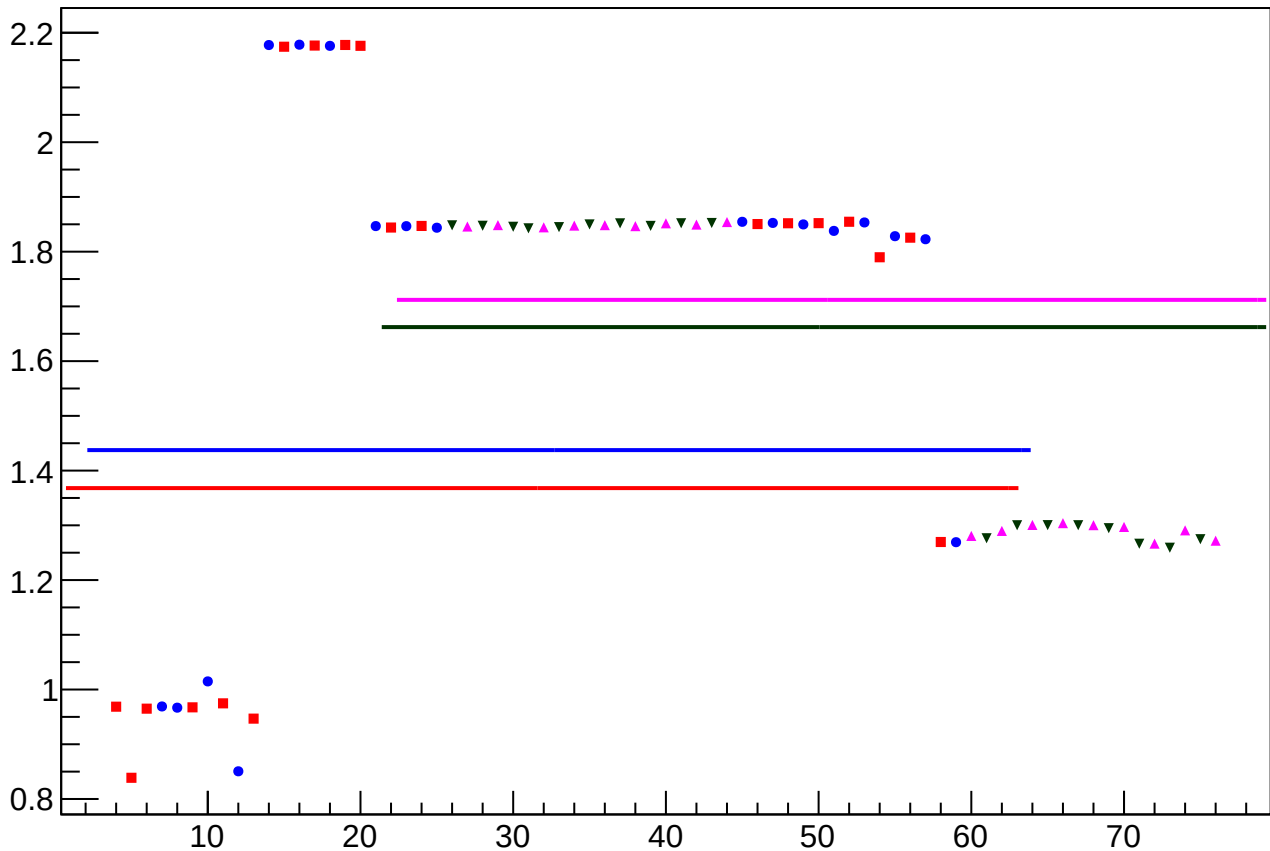
Right Out: 0.008+/-0.000 χ^2/NDF : 696189.4/18

Left In: 0.009+/-0.000 χ^2/NDF : 619914.6/17

0.008+/-0.000 χ^2/NDF : 1556945.8/35

0.008+/-0.000 χ^2/NDF : 1592392.7/36

yield_bpm4aY_mean vs slug



Right In: 1.437 $\pm$ 0.000 χ^2/NDF : 14236590294.3/17

Left Out: 1.662 $\pm$ 0.000 χ^2/NDF : 2959770916.5/17

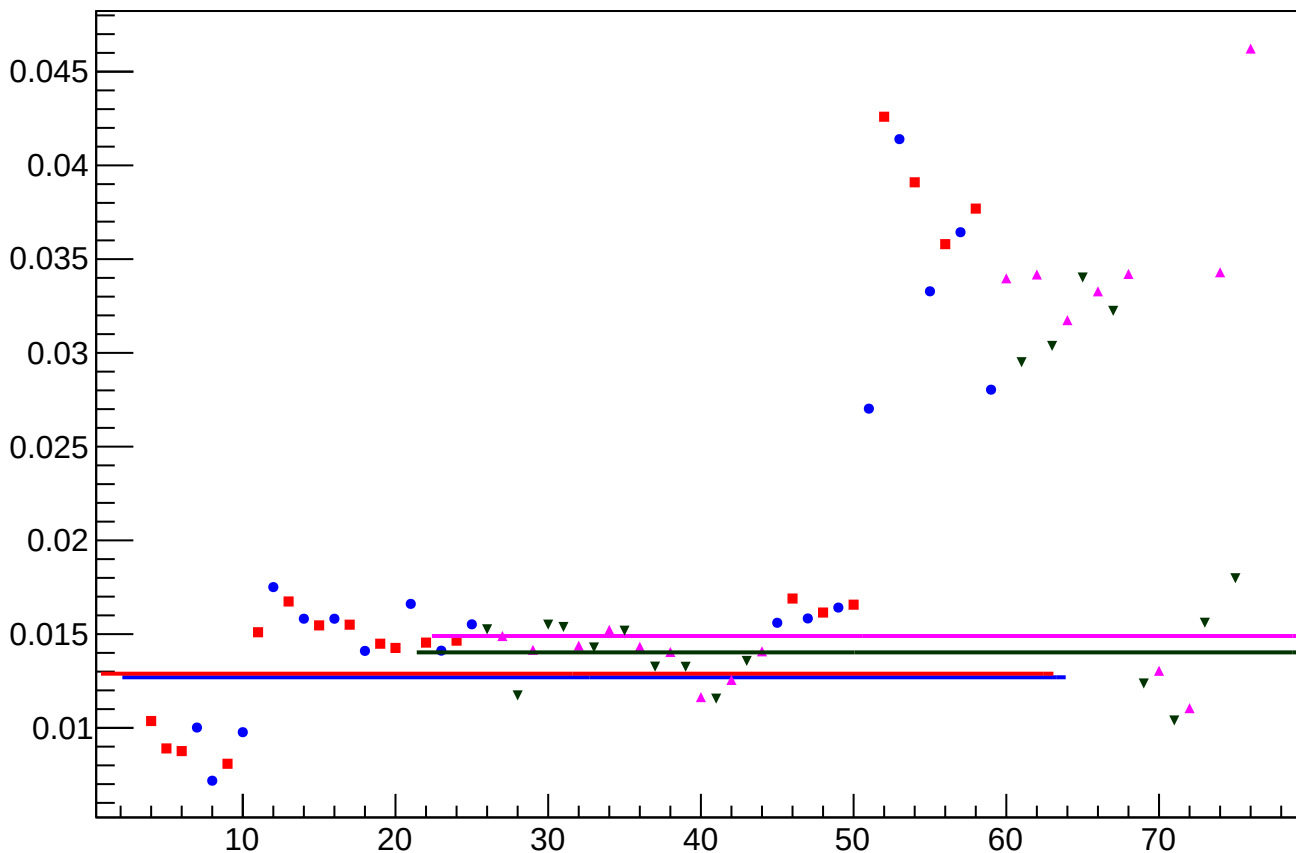
1.534 $\pm$ 0.000 χ^2/NDF : 18381131874.3/35

Right Out: 1.368 $\pm$ 0.000 χ^2/NDF : 12592500418.8/18

1.518 $\pm$ 0.000 χ^2/NDF : 17270543525.7/36

Left In: 1.712 $\pm$ 0.000 χ^2/NDF : 2185423666.1/17

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 :1382061.2/17

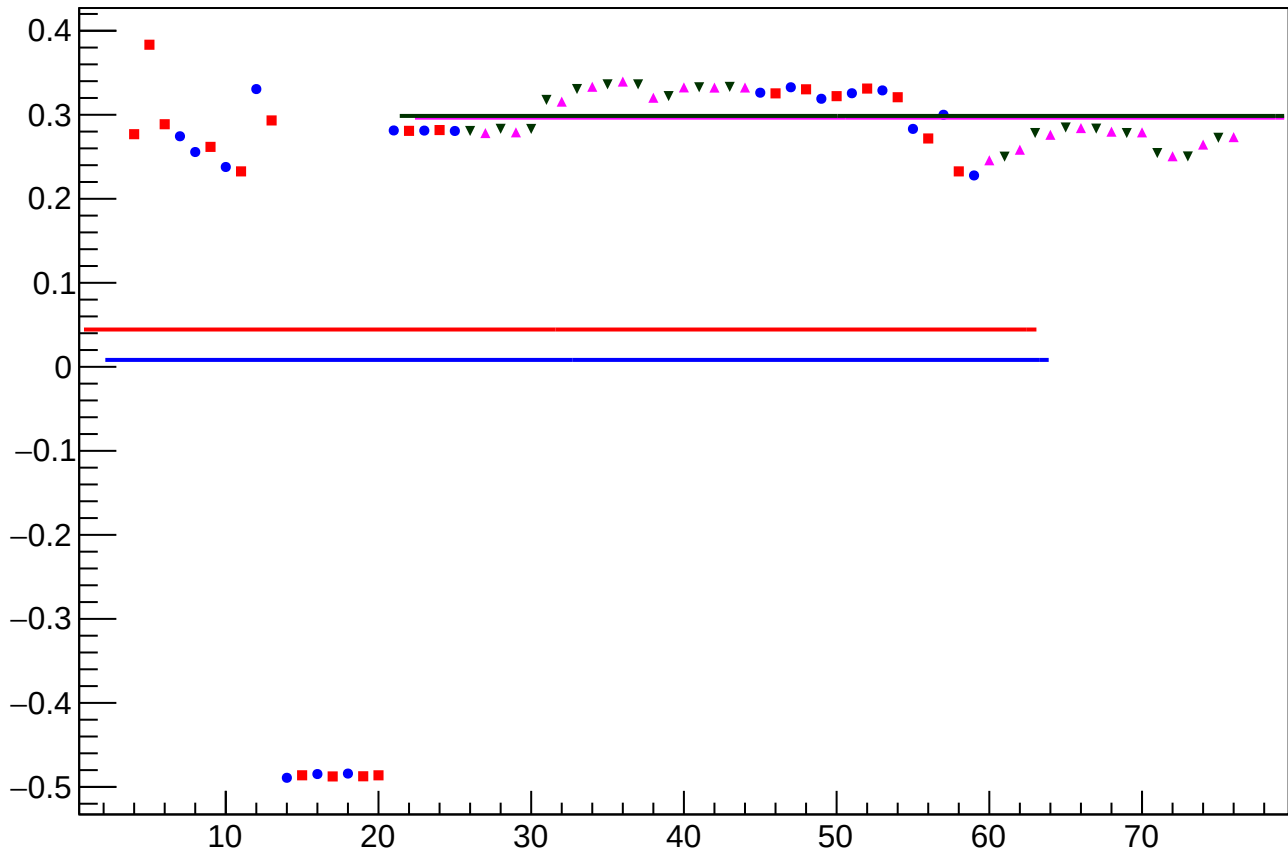
Right Out: 0.013+/-0.000 χ^2/NDF : 2814614.5/18

Left In: 0.015+/-0.000 χ^2/NDF :2231042.3/17

0.013+/-0.000 χ^2/NDF : 4999690.2/35

0.014+/-0.000 χ^2/NDF : 5215692.5/36

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:14022720.6/17

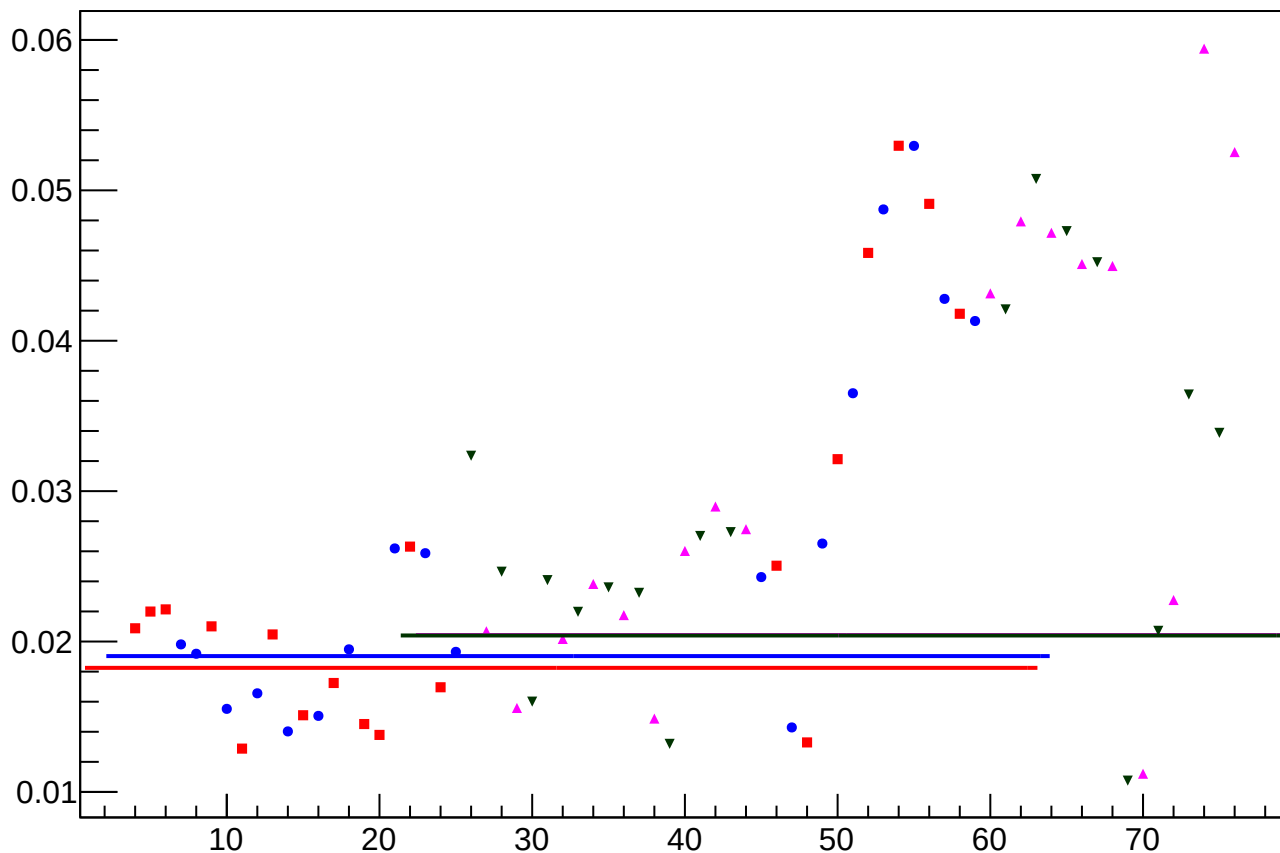
0.127 $\pm$ 0.000 χ^2 /NDF: 4492503022.4/35

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

0.153 $\pm$ 0.000 χ^2 /NDF: 3852257635.9/36

Left In: 0.297 $\pm$ 0.000 χ^2 /NDF:13214658.8/17

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 : 2936365.6/17

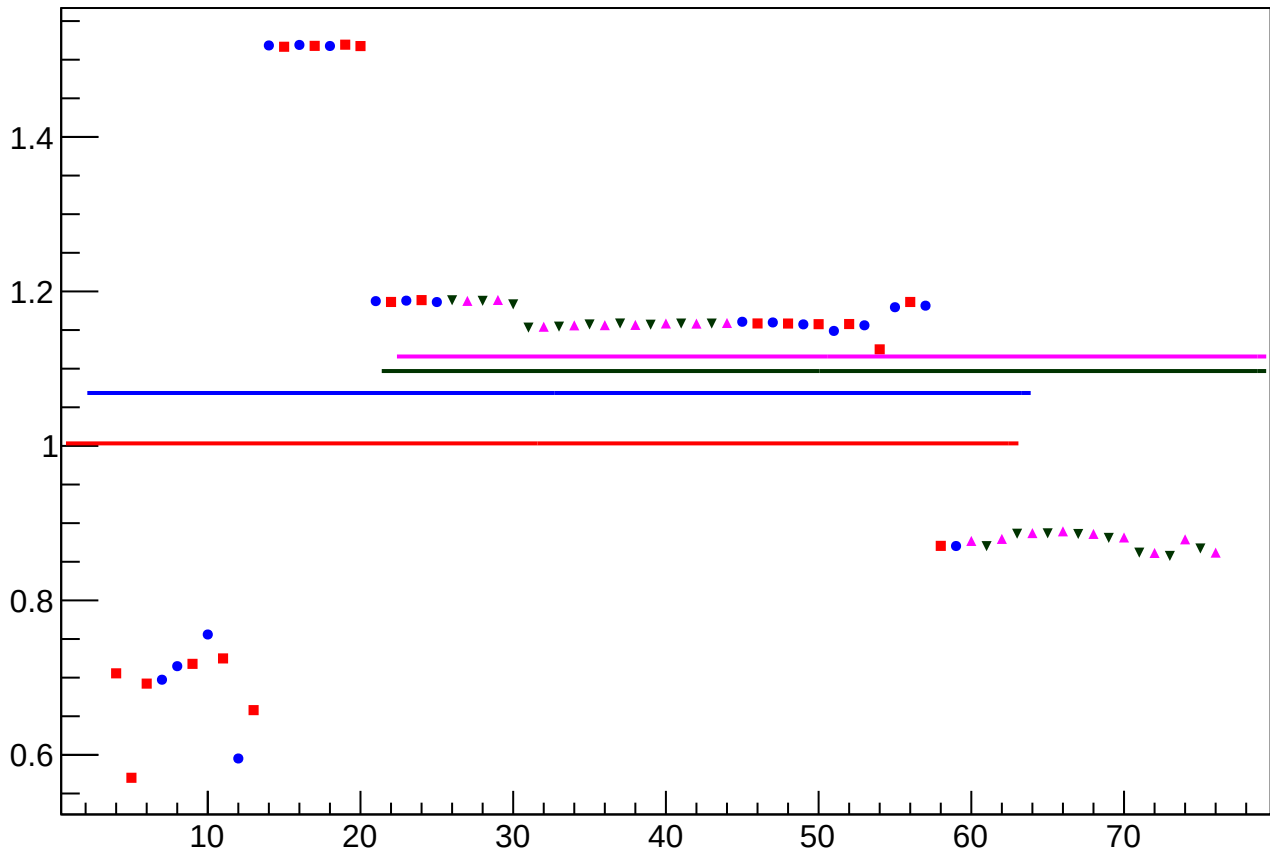
Right Out: 0.018+/-0.000 χ^2/NDF : 2485378.5/18

Left In: 0.020+/-0.000 χ^2/NDF : 3424411.7/17

0.020+/-0.000 χ^2/NDF : 5570795.7/35

0.019+/-0.000 χ^2/NDF : 6012012.4/36

yield_bpm4eY_mean vs slug



Right In: 1.069+/-0.000 χ^2/NDF : 10548206682.3/17

Left Out: 1.097+/-0.000 χ^2/NDF :1384011151.1/17

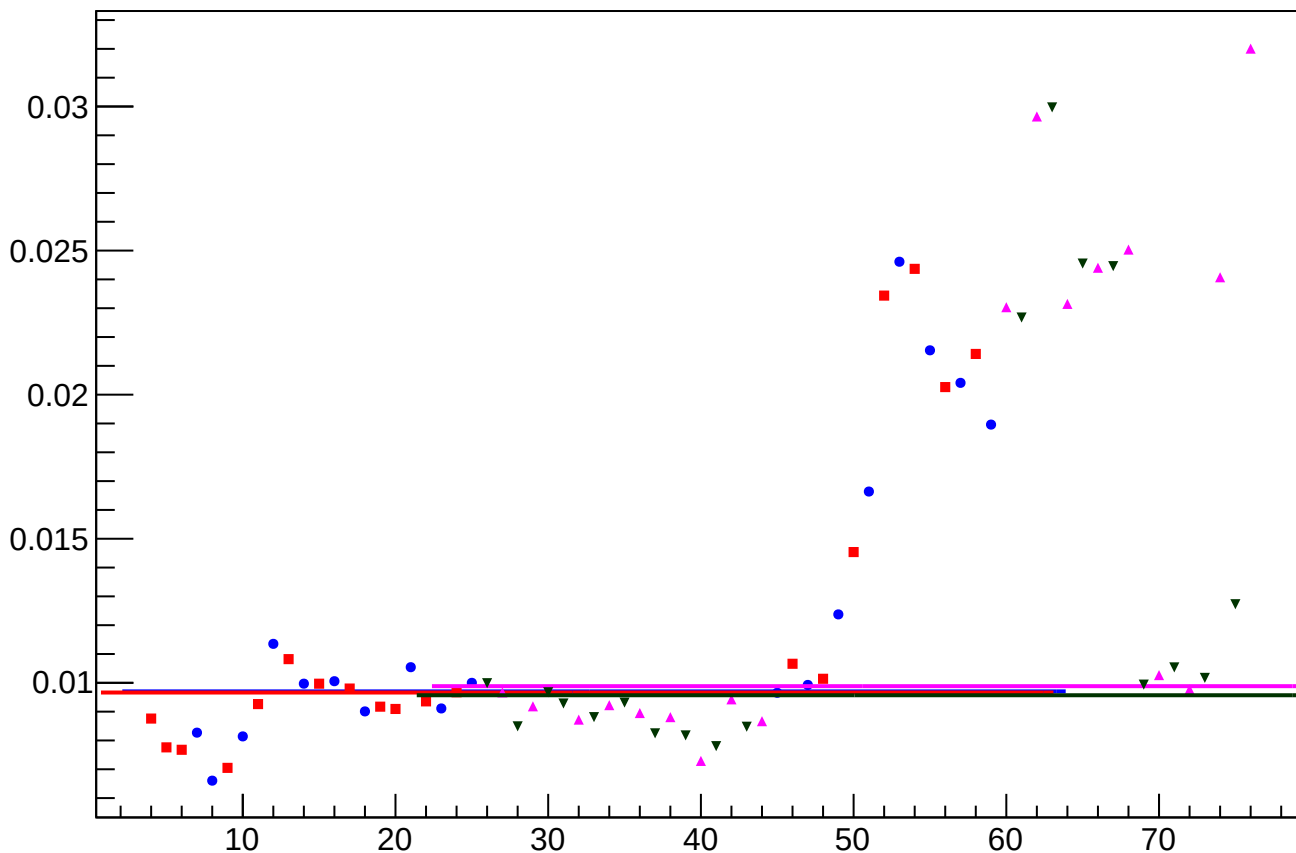
Right Out: 1.003+/-0.000 χ^2/NDF : 10291656361.5/18

Left In: 1.116+/-0.000 χ^2/NDF :1002494747.1/17

1.082+/-0.000 χ^2/NDF : 11970262141.1/35

1.057+/-0.000 χ^2/NDF : 11846315770.8/36

yield_bpm4eY_rms vs slug



Right In: 0.010+/-0.000 χ^2/NDF : 1905622.6/17

Left Out: 0.010+/-0.000 χ^2/NDF :1558007.6/17

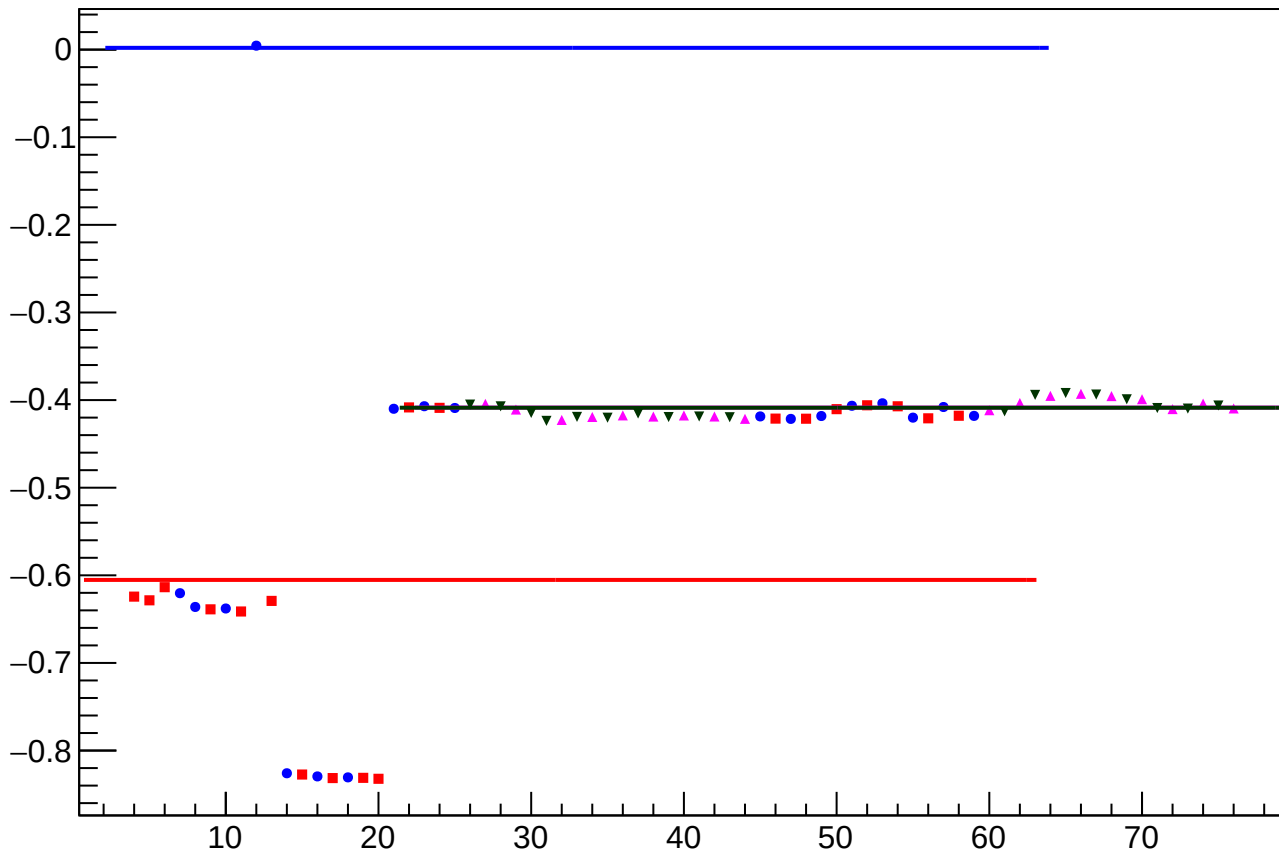
Right Out: 0.010+/-0.000 χ^2/NDF : 1597012.3/18

Left In: 0.010+/-0.000 χ^2/NDF :2476566.7/17

0.010+/-0.000 χ^2/NDF : 3465316.5/35

0.010+/-0.000 χ^2/NDF : 4077816.8/36

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: 9270168.3/17

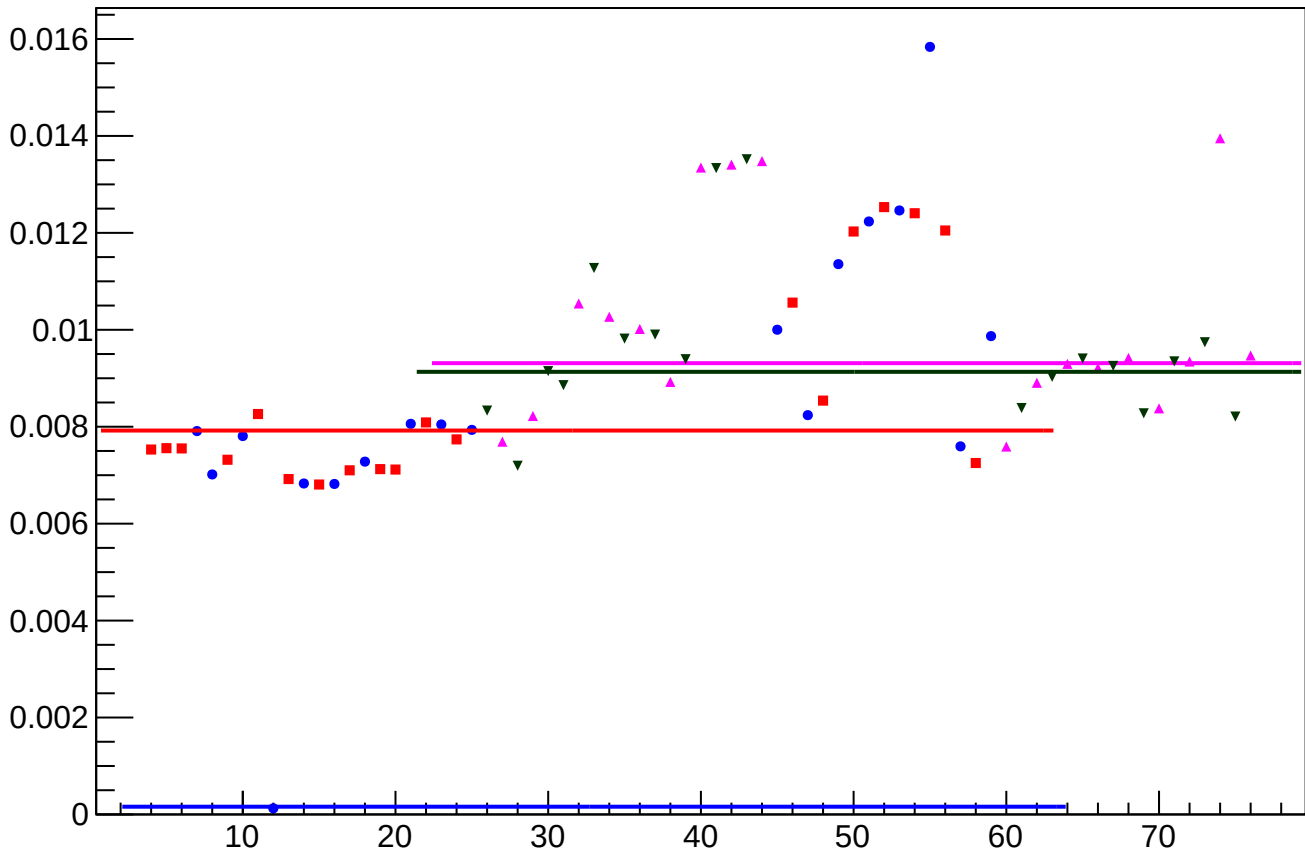
0.001 $\pm$ 0.000 χ^2 /NDF: 77987432578.3/35

Right Out: -0.605 $\pm$ 0.000 χ^2 /NDF: 3819629229.5/18

-0.521 $\pm$ 0.000 χ^2 /NDF: 6328868392.8/36

Left In: -0.409 $\pm$ 0.000 χ^2 /NDF: 9089245.8/17

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 : 404398.8/17

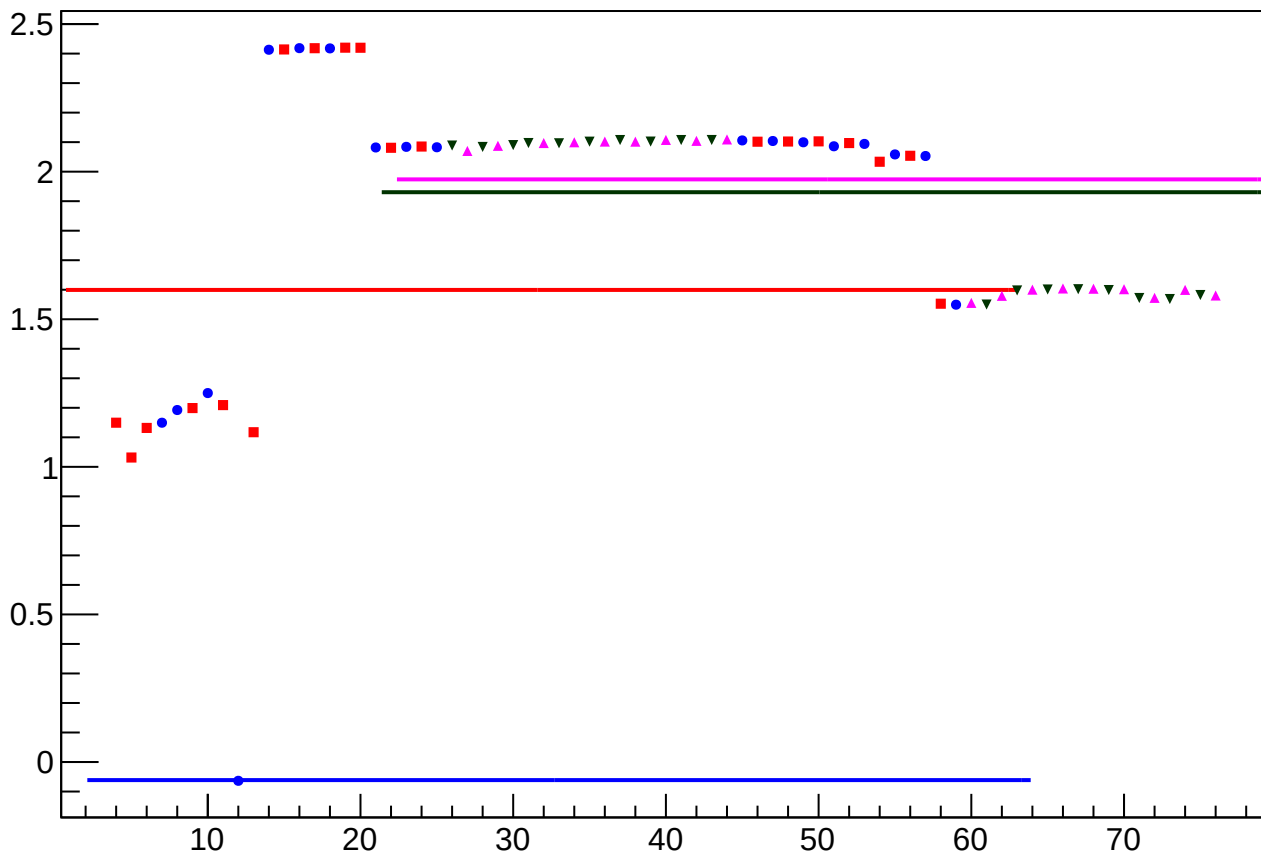
0.000+/-0.000 χ^2/NDF : 38064868.1/35

Right Out: 0.008+/-0.000 χ^2/NDF : 697414.3/18

0.009+/-0.000 χ^2/NDF : 1541015.3/36

Left In: 0.009+/-0.000 χ^2/NDF : 593751.6/17

yield_bpm4acY_mean vs slug



Right In: -0.061±/0.000 χ^2/NDF : 171003968524.2/17

Left Out: 1.930±/0.000 χ^2/NDF : 2342553236.3/17

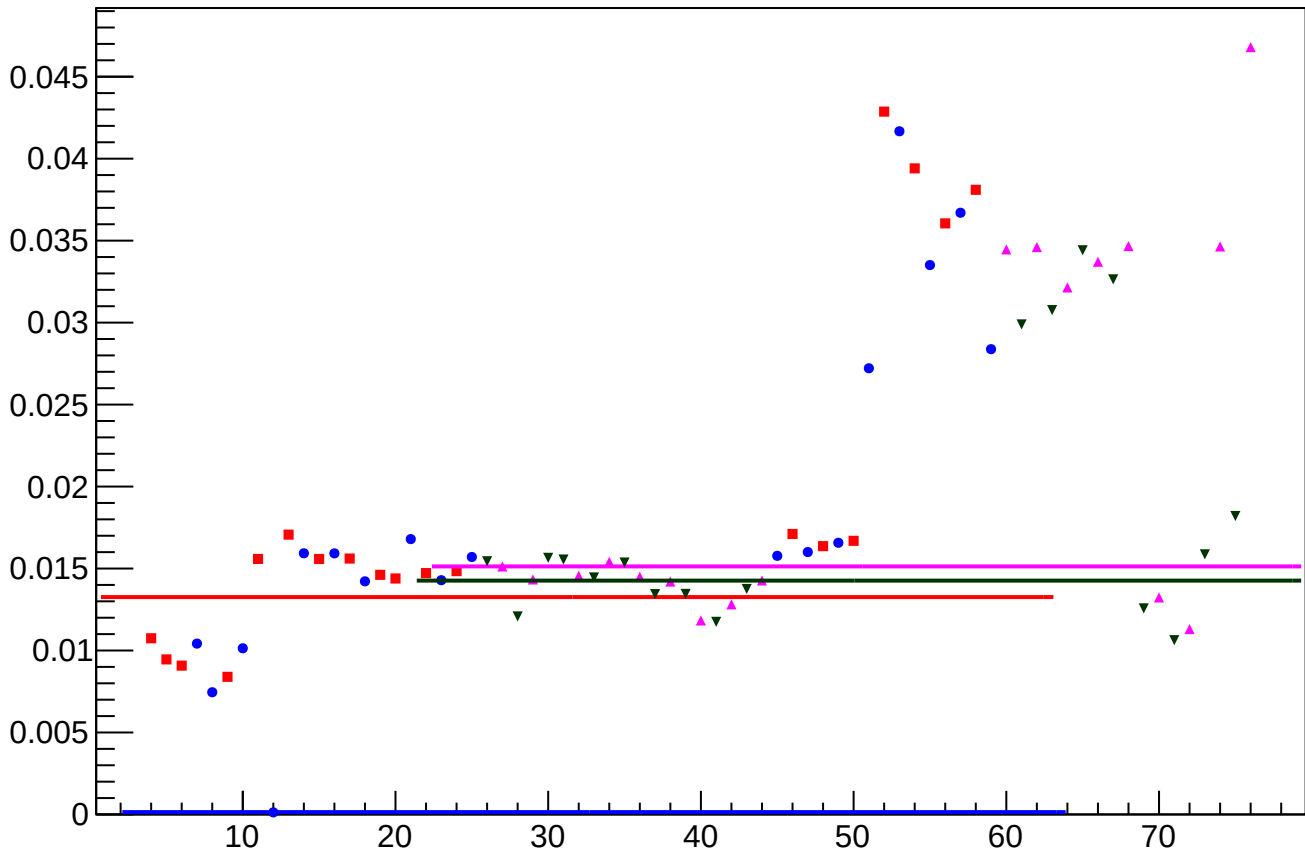
Right Out: 1.599±/0.000 χ^2/NDF : 13096029057.2/18

Left In: 1.974±/0.000 χ^2/NDF : 1725455705.7/17

-0.059±/0.000 χ^2/NDF : 331047916433.3/35

1.765±/0.000 χ^2/NDF : 17662909359.4/36

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 :1359447.5/17

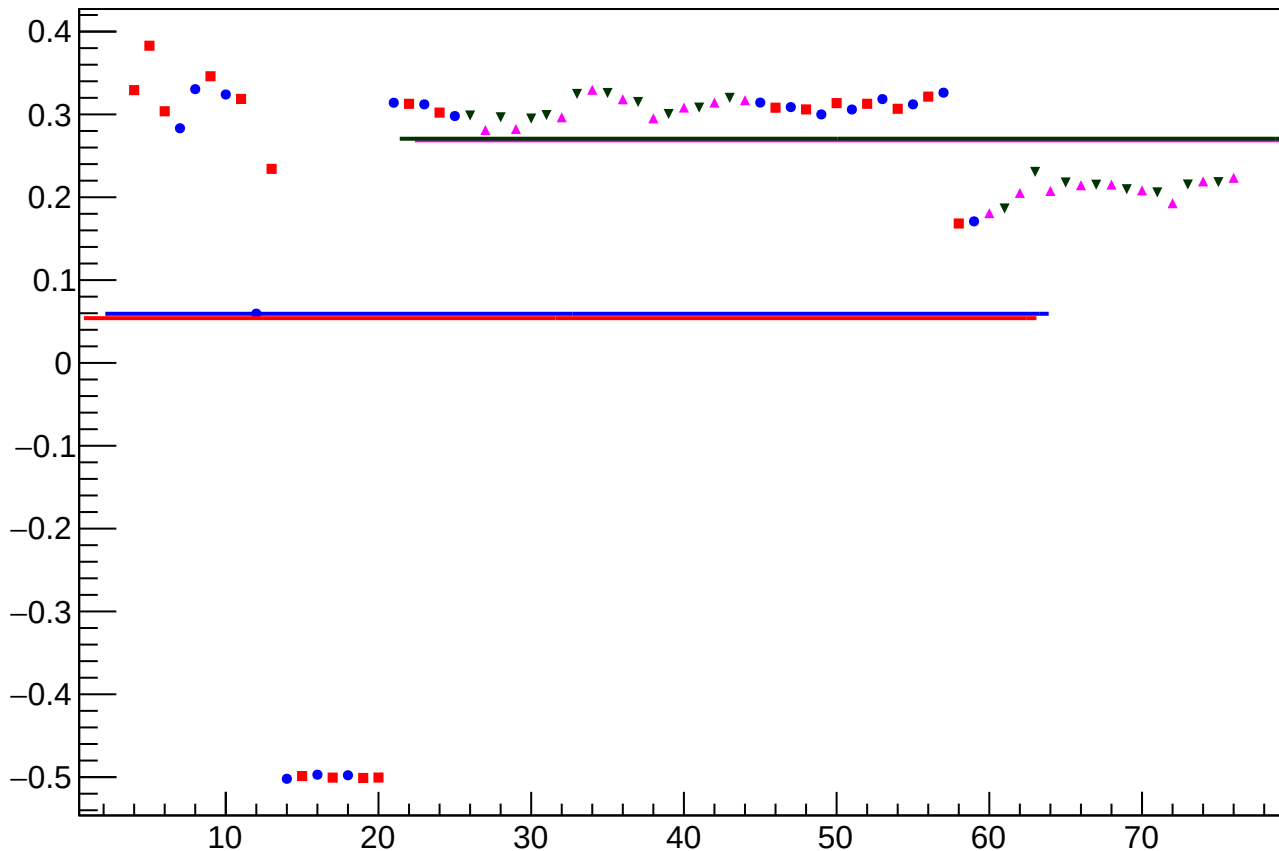
Right Out: 0.013+/-0.000 χ^2/NDF : 2690130.8/18

Left In: 0.015+/-0.000 χ^2/NDF :2217040.9/17

0.000+/-0.000 χ^2/NDF : 36846994.4/35

0.014+/-0.000 χ^2/NDF : 5048856.3/36

yield_bpm4ecX_mean vs slug



Right In: 0.059+/-0.000 χ^2/NDF : 3888801914.2/17

Left Out: 0.271+/-0.000 χ^2/NDF : 39606194.3/17

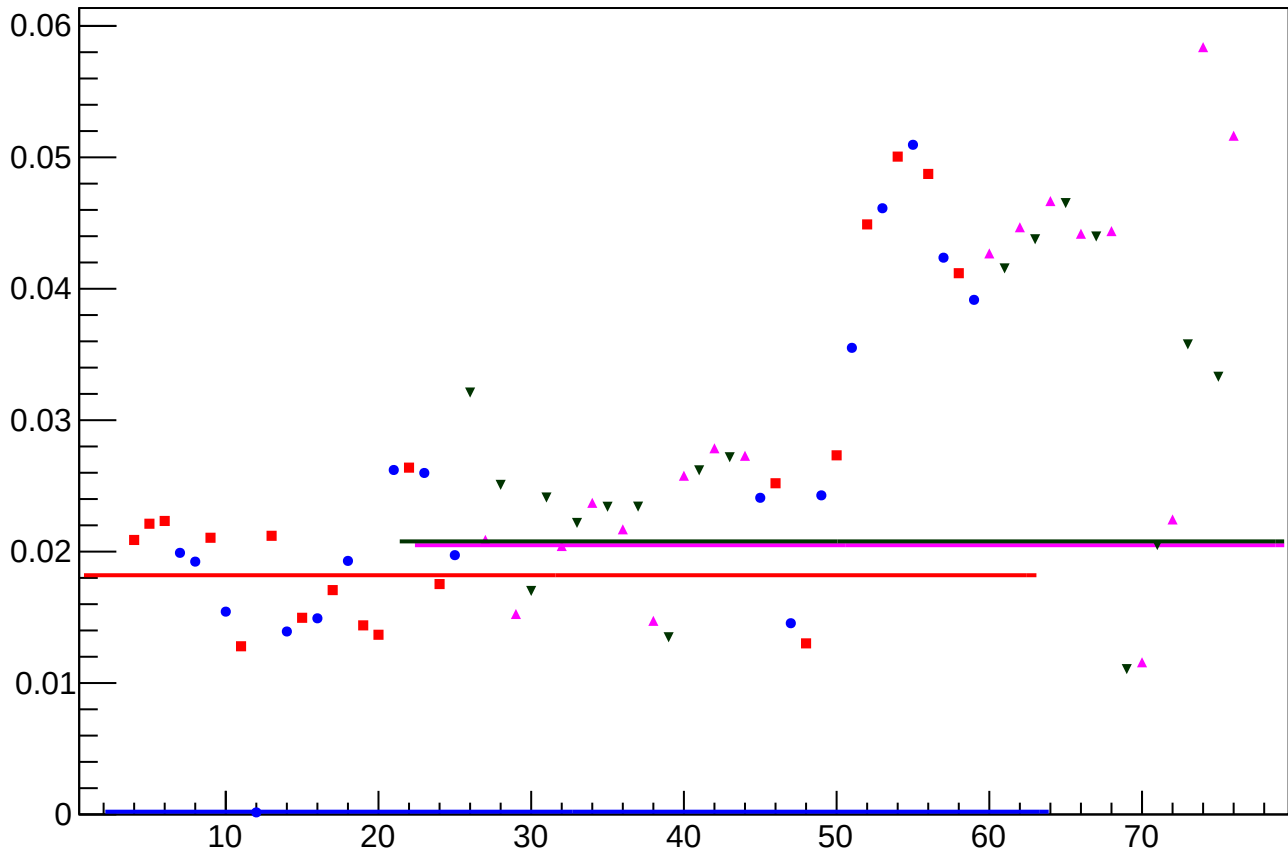
Right Out: 0.054+/-0.000 χ^2/NDF : 3509628523.3/18

Left In: 0.269+/-0.000 χ^2/NDF : 37410192.4/17

0.060+/-0.000 χ^2/NDF : 4710829653.9/35

0.146+/-0.000 χ^2/NDF : 4045562380.5/36

yield_bpm4ecX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 19749394.2/17

Left Out: 0.021+/-0.000 χ^2/NDF : 2668416.3/17

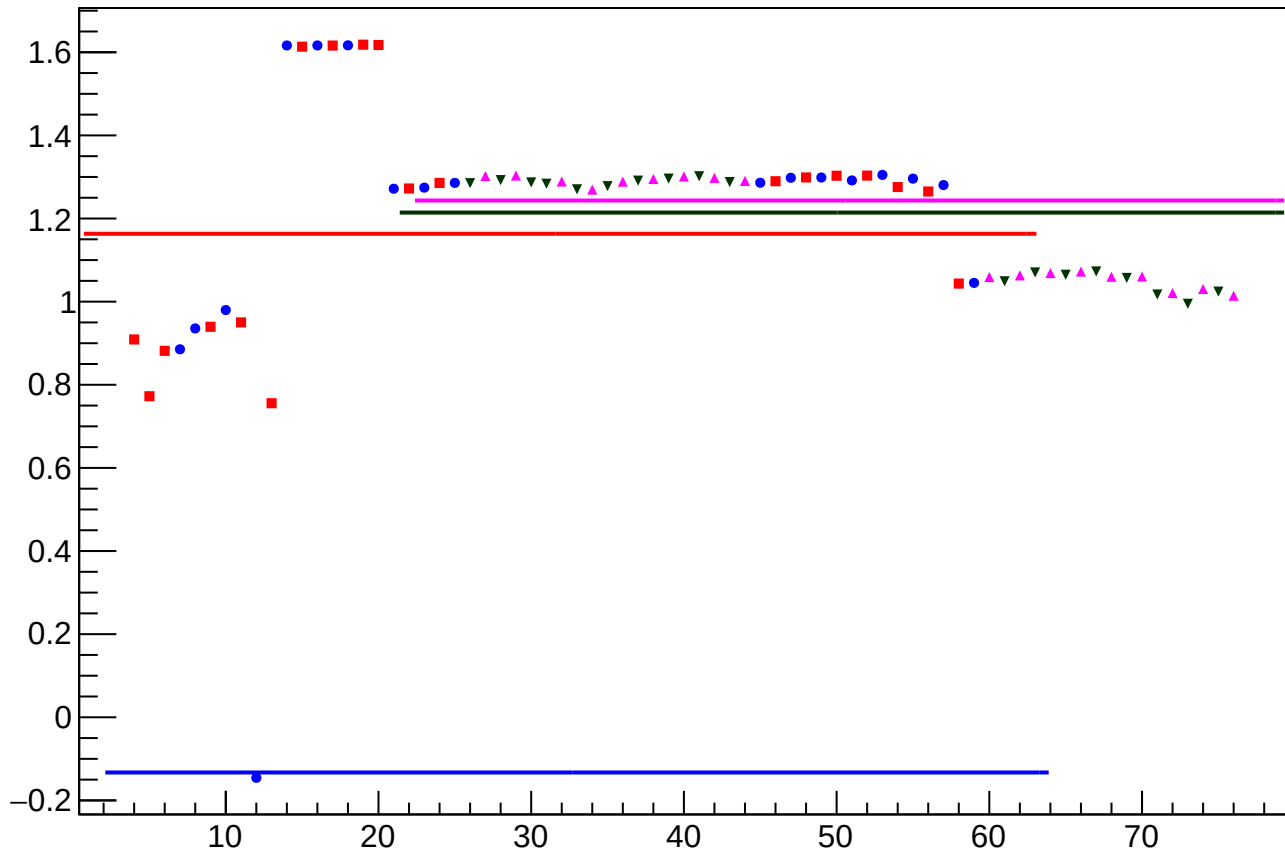
Right Out: 0.018+/-0.000 χ^2/NDF : 2422437.2/18

Left In: 0.020+/-0.000 χ^2/NDF : 3288987.8/17

0.000+/-0.000 χ^2/NDF : 37243157.2/35

0.019+/-0.000 χ^2/NDF : 5824397.9/36

yield_bpm4ecY_mean vs slug



Right In: -0.133+/-0.000 χ^2/NDF : 169320914657.8/17

Left Out: 1.214+/-0.000 χ^2/NDF : 987650372.6/17

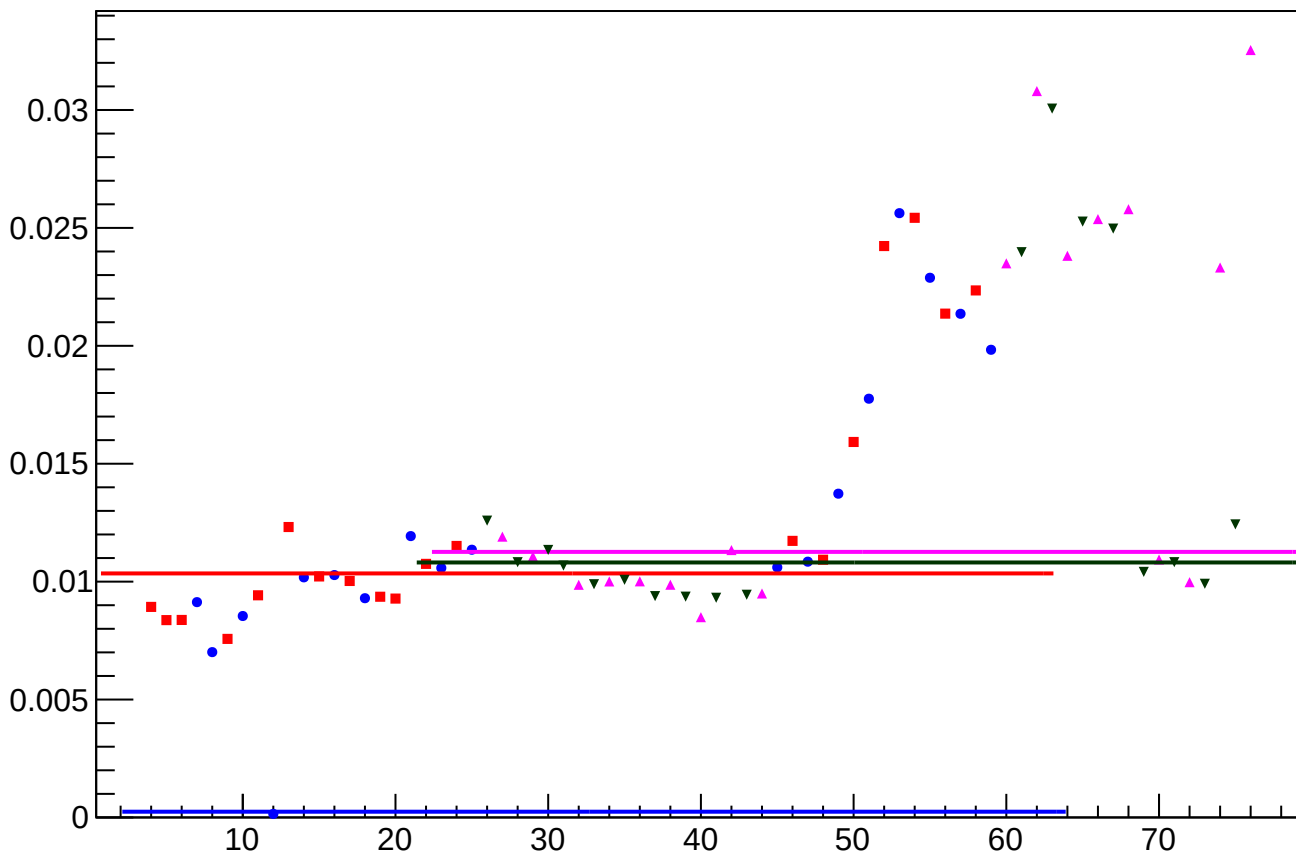
-0.123+/-0.000 χ^2/NDF : 296326859846.1/35

Right Out: 1.163+/-0.000 χ^2/NDF : 7253036603.9/18

1.199+/-0.000 χ^2/NDF : 8139382775.0/36

Left In: 1.243+/-0.000 χ^2/NDF : 656565612.3/17

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 :1324186.0/17

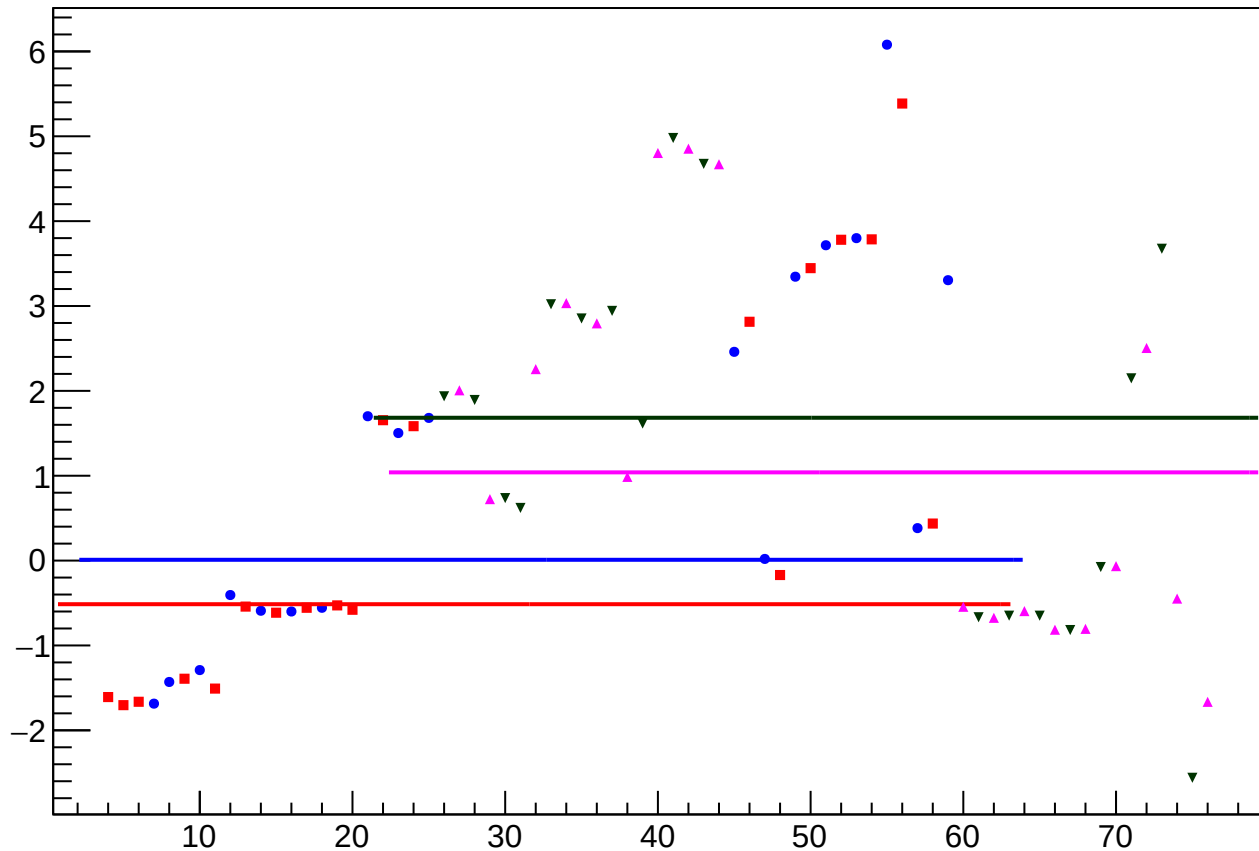
Right Out: 0.010+/-0.000 χ^2/NDF : 1619353.0/18

Left In: 0.011+/-0.000 χ^2/NDF :2203158.0/17

0.000+/-0.000 χ^2/NDF : 36042350.5/35

0.011+/-0.000 χ^2/NDF : 3882404.7/36

yield_bpm1X_mean vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 18135045883.2/17

0.190+/-0.000 χ^2/NDF : 22184076684.8/35

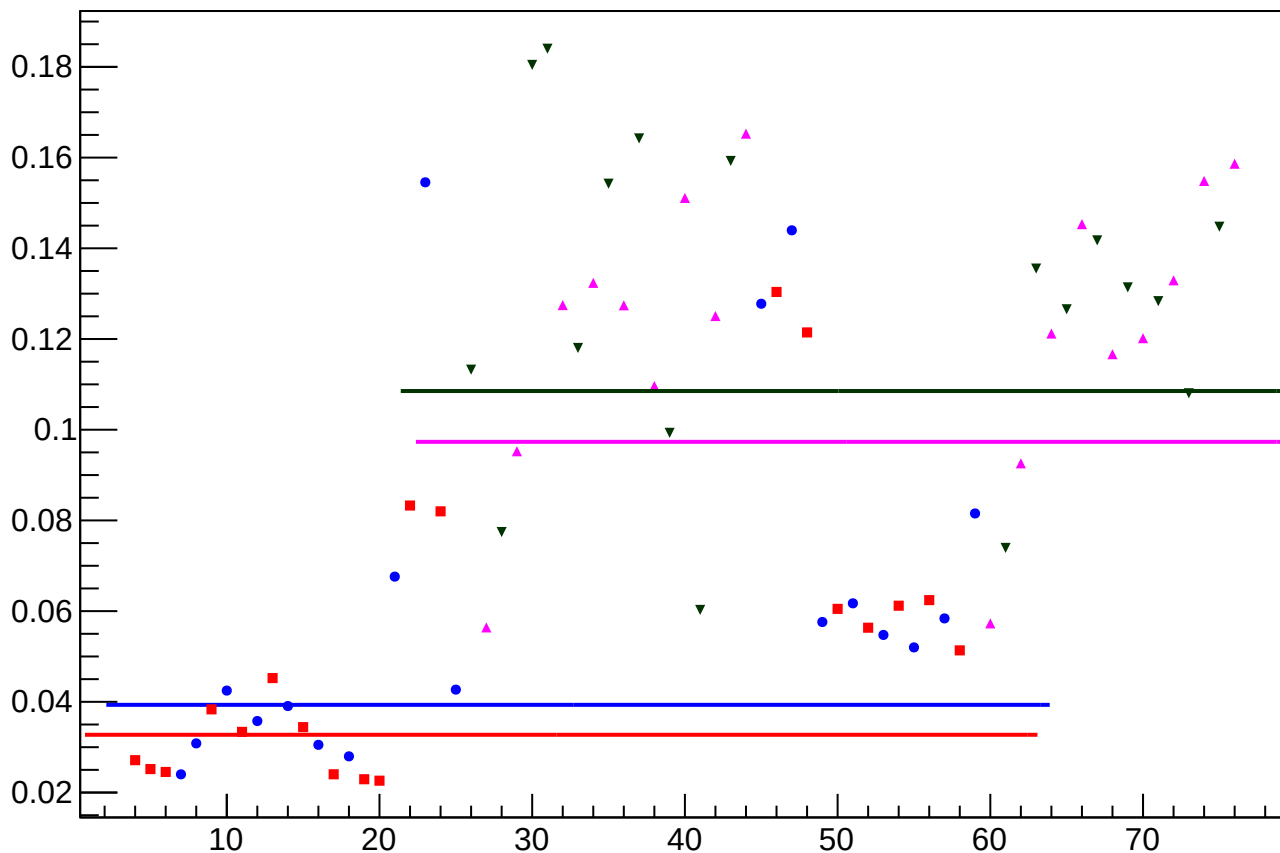
Left Out: 1.683+/-0.000 χ^2/NDF : 2606763691.8/17

Right Out: -0.514+/-0.000 χ^2/NDF : 14474436949.2/18

-0.339+/-0.000 χ^2/NDF : 18457736999.2/36

Left In: 1.040+/-0.000 χ^2/NDF : 2323282794.2/17

yield_bpm1X_rms vs slug



Right In: 0.039+/-0.000 χ^2/NDF : 3078164.7/17

Left Out: 0.109+/-0.000 χ^2/NDF :1461683.6/17

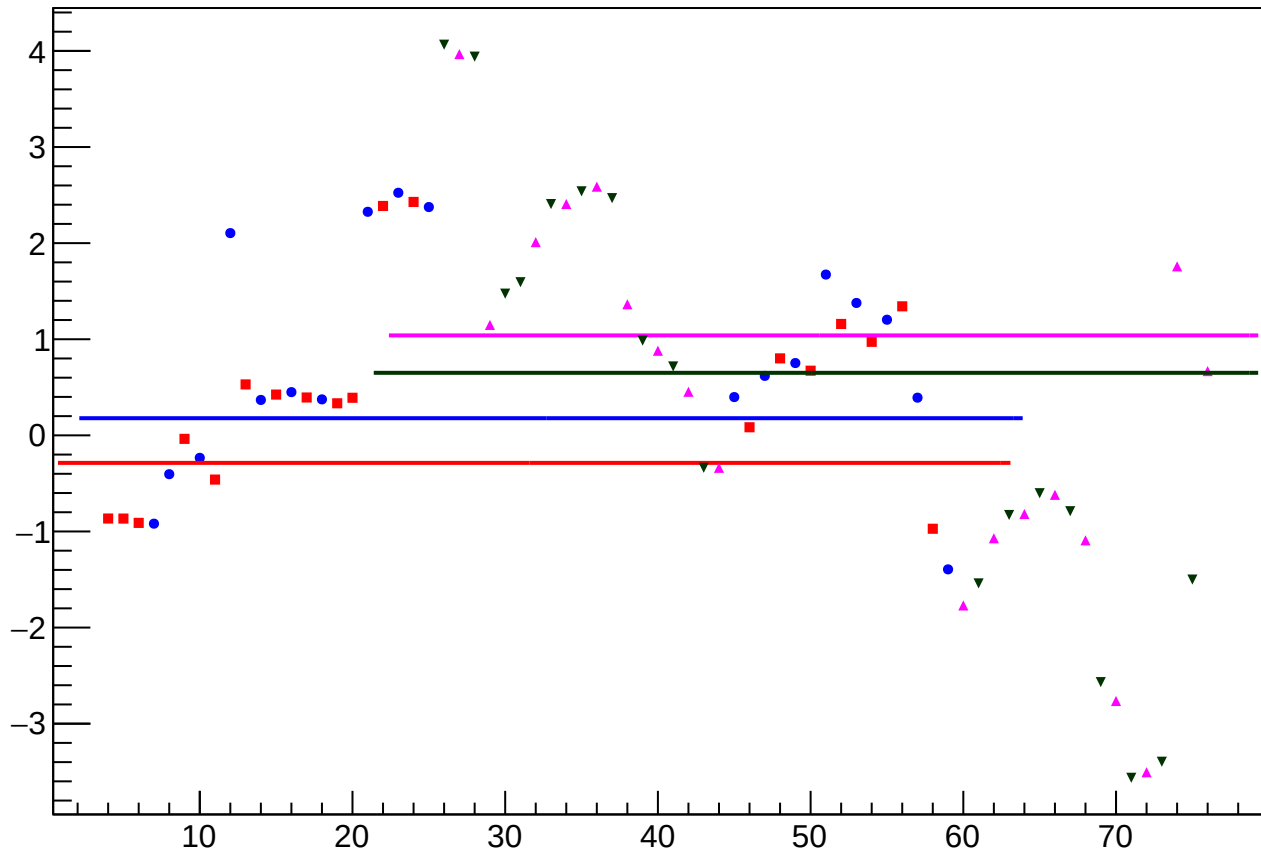
Right Out: 0.033+/-0.000 χ^2/NDF : 2838022.5/18

Left In: 0.097+/-0.000 χ^2/NDF :2053513.4/17

0.047+/-0.000 χ^2/NDF : 9469991.4/35

0.040+/-0.000 χ^2/NDF : 10630619.7/36

yield_bpm1Y_mean vs slug



Right In: 0.178 $\pm$ 0.000 χ^2 /NDF: 9482704623.3/17

Left Out: 0.651 $\pm$ 0.000 χ^2 /NDF:6394617945.6/17

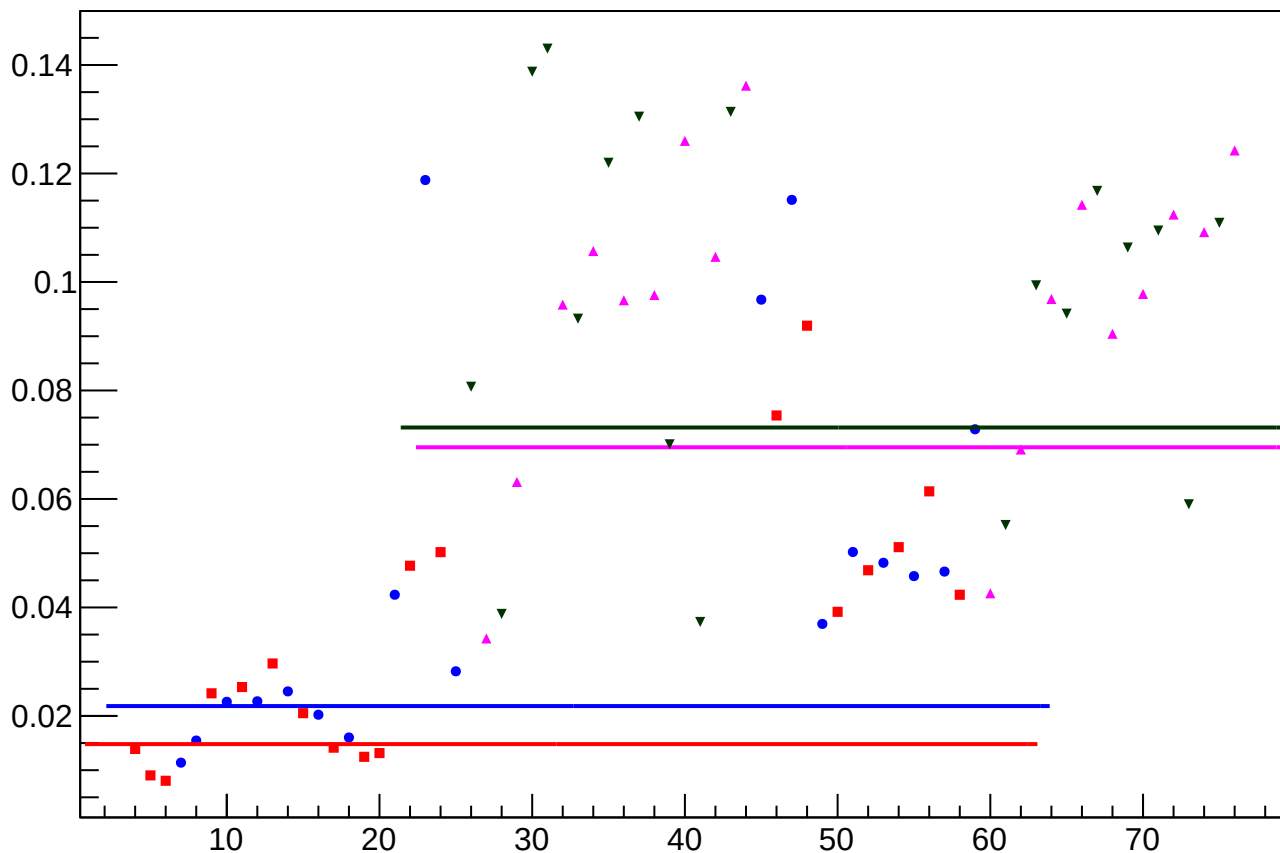
0.217 $\pm$ 0.000 χ^2 /NDF: 16101664277.2/35

Right Out: -0.286 $\pm$ 0.000 χ^2 /NDF: 10734675455.5/18

-0.208 $\pm$ 0.000 χ^2 /NDF: 20584236630.7/36

Left In: 1.040 $\pm$ 0.000 χ^2 /NDF:7564056273.8/17

yield_bpm1Y_rms vs slug



Right In: 0.022+/-0.000 χ^2/NDF : 4669284.8/17

Left Out: 0.073+/-0.000 χ^2/NDF : 2479569.5/17

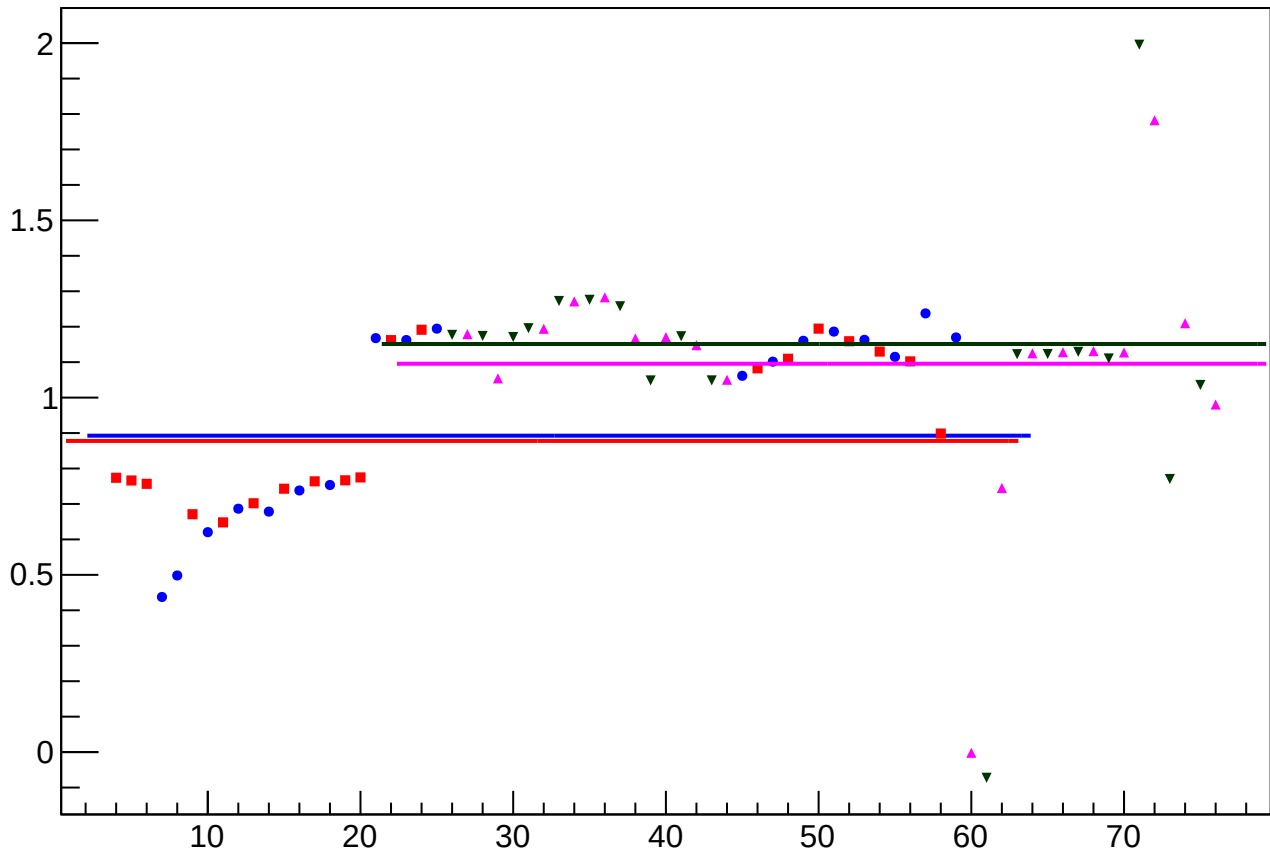
Right Out: 0.015+/-0.000 χ^2/NDF : 4938559.5/18

Left In: 0.070+/-0.000 χ^2/NDF : 2926416.9/17

0.026+/-0.000 χ^2/NDF : 12454044.6/35

0.018+/-0.000 χ^2/NDF : 15645395.9/36

yield_bpm11X_mean vs slug



Right In: 0.893+/-0.000 χ^2/NDF : 1629156385.0/17

Left Out: 1.151+/-0.000 χ^2/NDF :1986494302.4/17

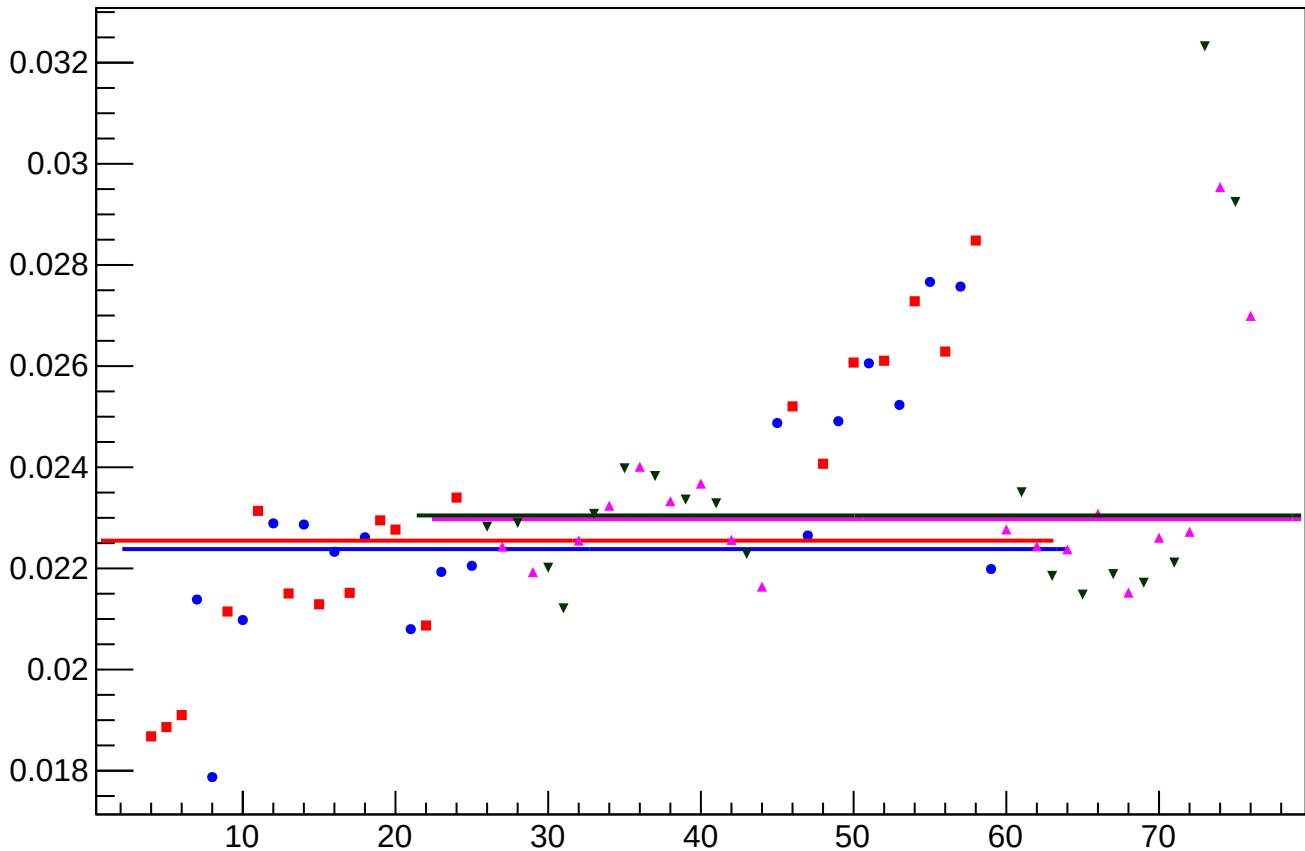
1.006+/-0.000 χ^2/NDF : 4248054162.3/35

Right Out: 0.878+/-0.000 χ^2/NDF : 761495098.5/18

0.987+/-0.000 χ^2/NDF : 2968579917.5/36

Left In: 1.095+/-0.000 χ^2/NDF :1765639957.9/17

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 :151938.7/17

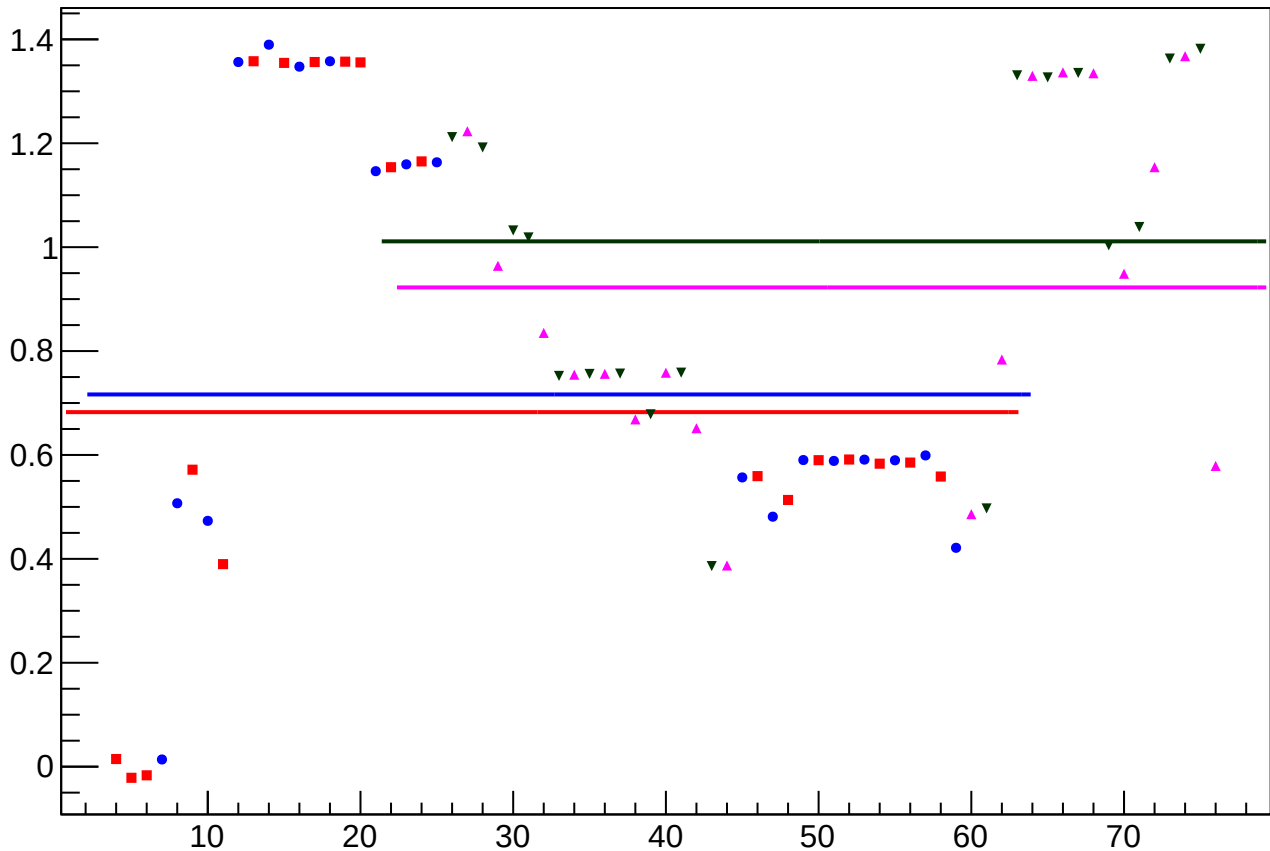
0.023+/-0.000 χ^2/NDF : 424913.4/35

Right Out: 0.023+/-0.000 χ^2/NDF : 246194.4/18

0.023+/-0.000 χ^2/NDF : 337803.9/36

Left In: 0.023+/-0.000 χ^2/NDF :88233.7/17

yield_bpm11Y_mean vs slug



Right In: 0.716 $\pm$ 0.000 χ^2 /NDF: 131330740430.7/17

Left Out: 1.011 $\pm$ 0.000 χ^2 /NDF: 68837998597.2/17

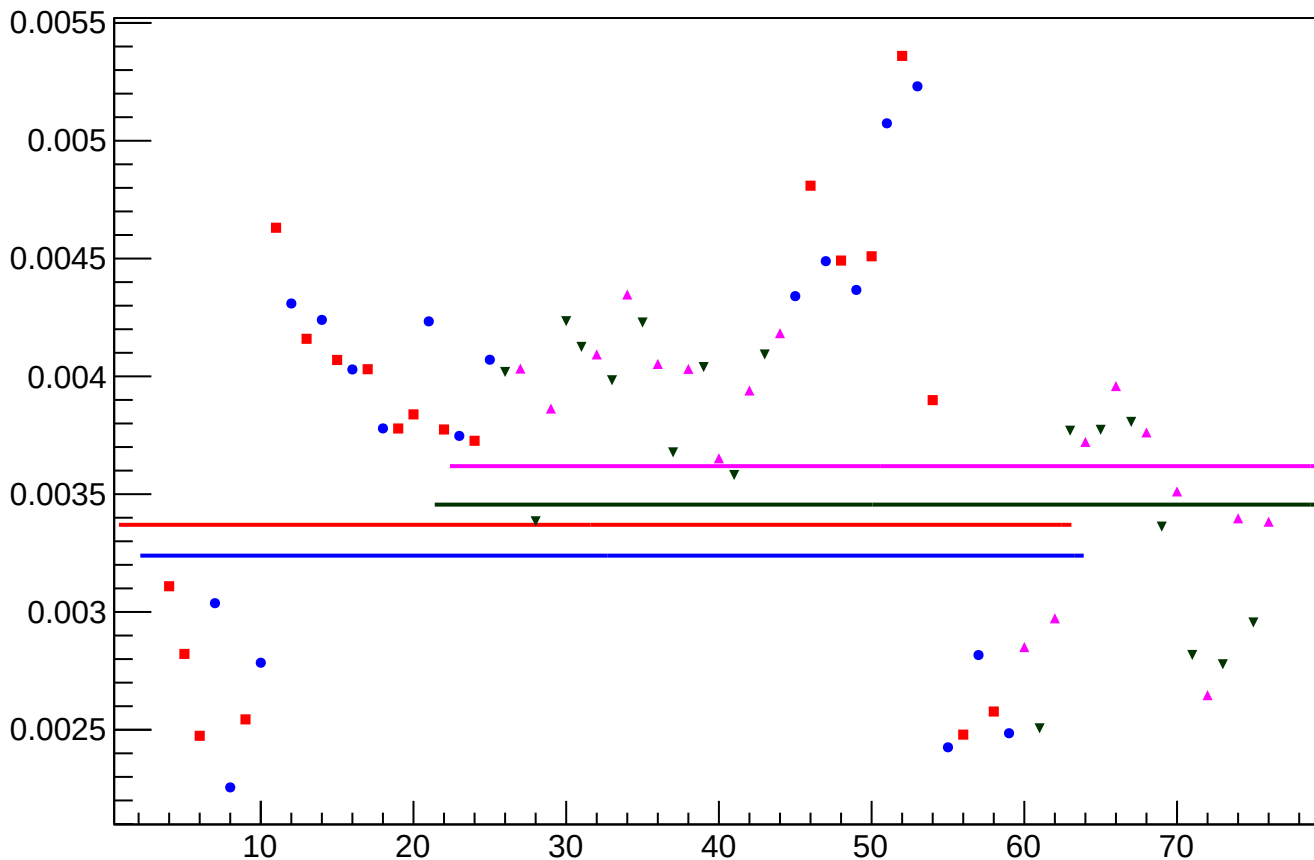
0.844 $\pm$ 0.000 χ^2 /NDF: 236150840558.7/35

Right Out: 0.682 $\pm$ 0.000 χ^2 /NDF: 168328456976.2/18

0.798 $\pm$ 0.000 χ^2 /NDF: 255471619387.0/36

Left In: 0.922 $\pm$ 0.000 χ^2 /NDF: 65215097140.2/17

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 : 446242.7/17

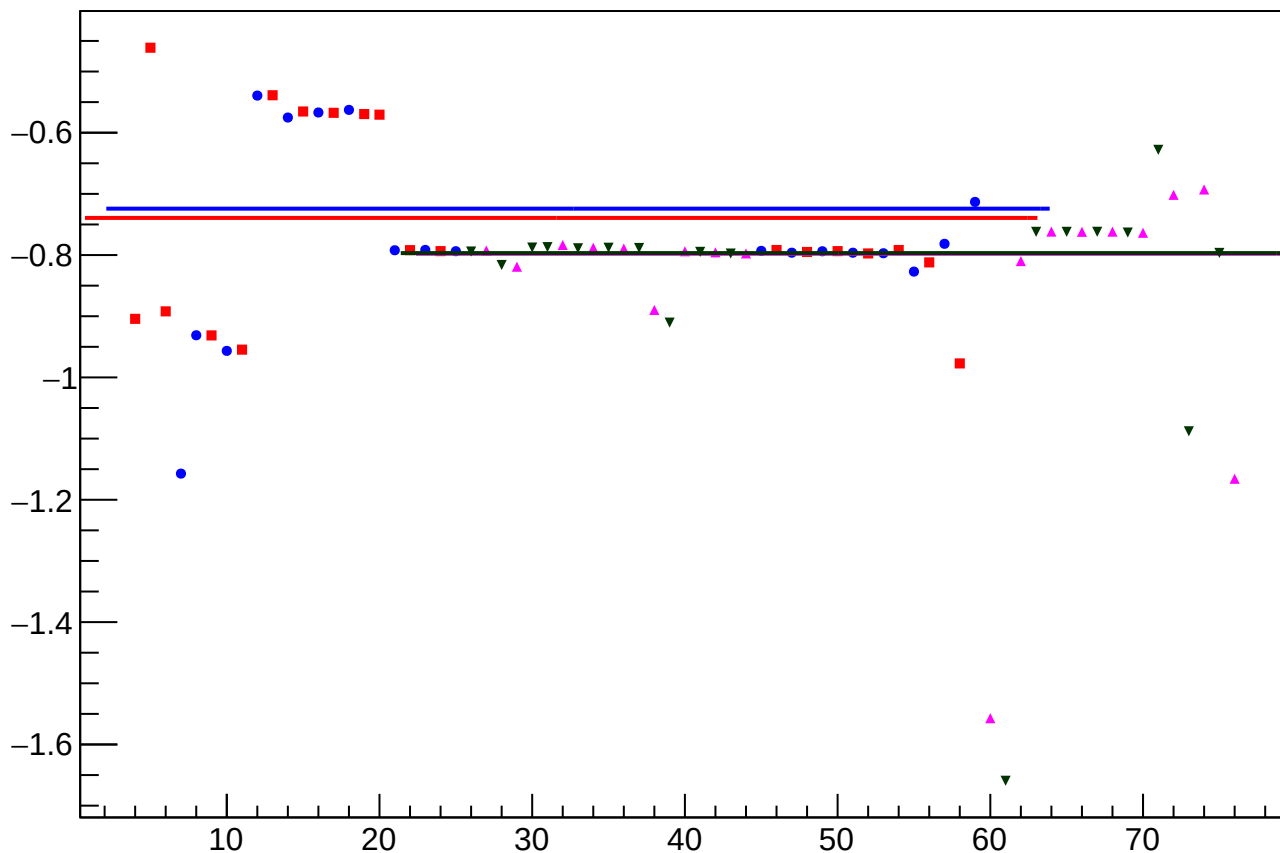
Right Out: 0.003+/-0.000 χ^2/NDF : 1158167.7/18

Left In: 0.004+/-0.000 χ^2/NDF : 355923.0/17

0.003+/-0.000 χ^2/NDF : 2037910.4/35

0.003+/-0.000 χ^2/NDF : 1561292.1/36

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 : 693428262.1/17

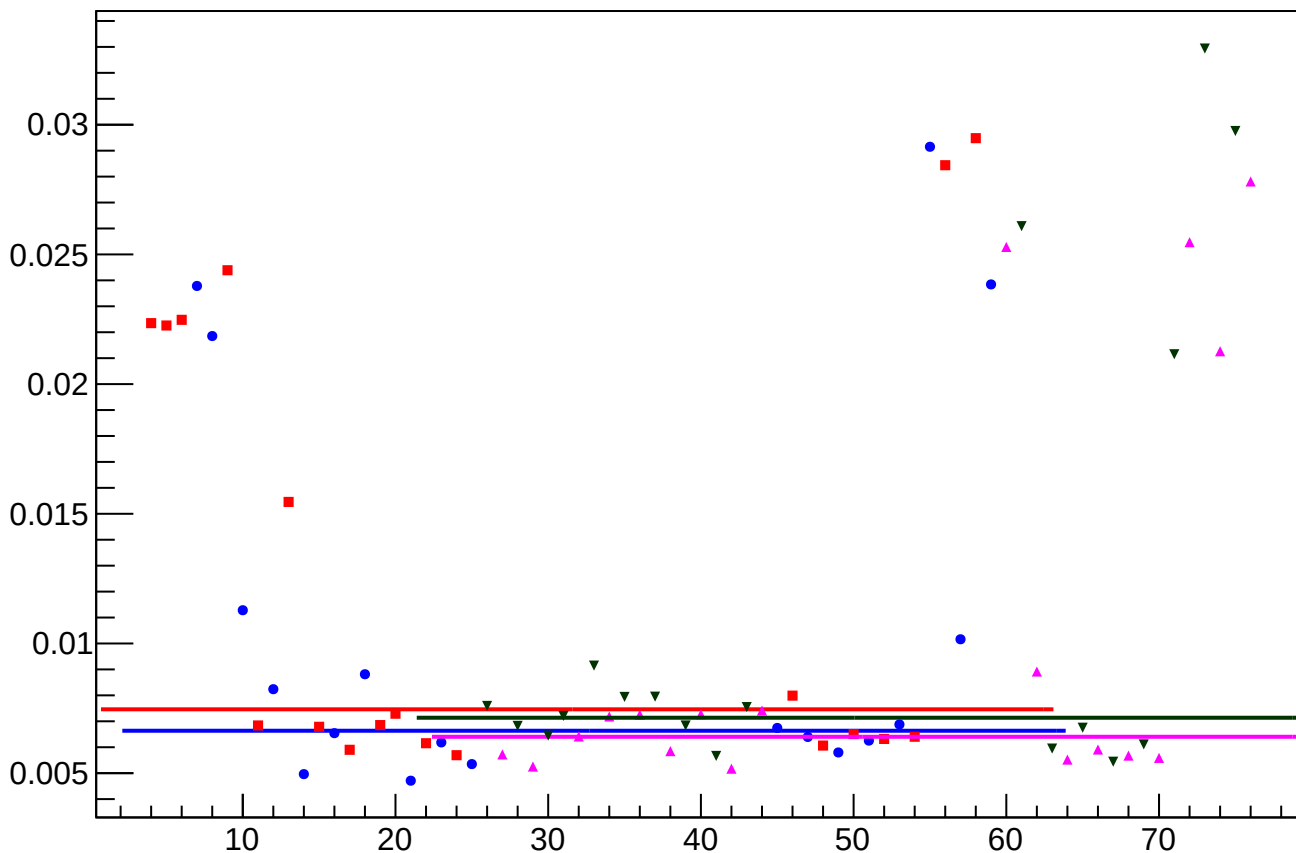
Right Out: -0.739 ± 0.000 χ^2/NDF : 1945829237.2/18

Left In: -0.798 ± 0.000 χ^2/NDF : 747123479.4/17

-0.756 ± 0.000 χ^2/NDF : 3304147640.0/35

-0.774 ± 0.000 χ^2/NDF : 2921022136.1/36

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 :2288826.2/17

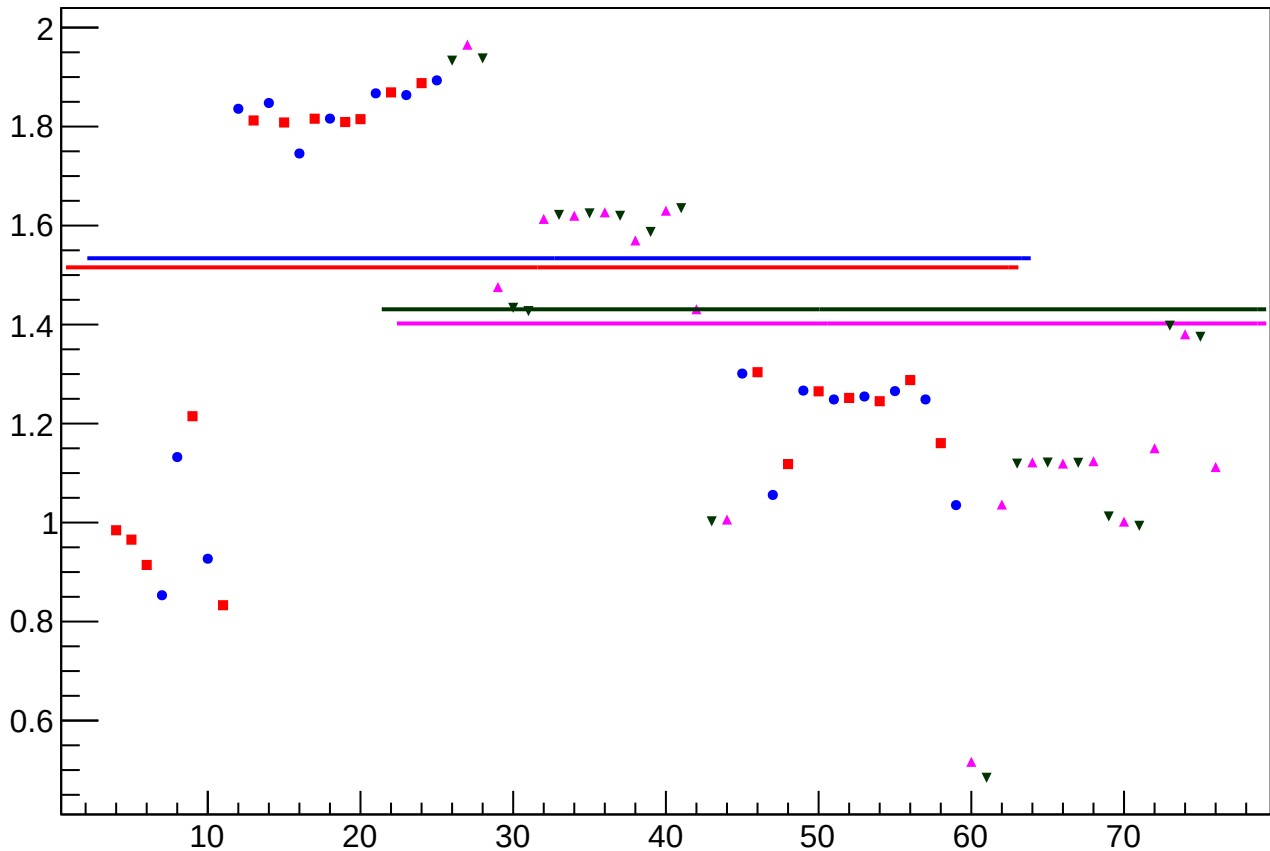
Right Out: 0.007+/-0.000 χ^2/NDF : 3478880.3/18

Left In: 0.006+/-0.000 χ^2/NDF :2404896.7/17

0.007+/-0.000 χ^2/NDF : 5671299.8/35

0.007+/-0.000 χ^2/NDF : 6032807.9/36

yield_bpm12Y_mean vs slug



Right In: 1.534 $\pm$ 0.000 χ^2 /NDF: 22395382646.2/17

Left Out: 1.431 $\pm$ 0.000 χ^2 /NDF:17685969006.7/17

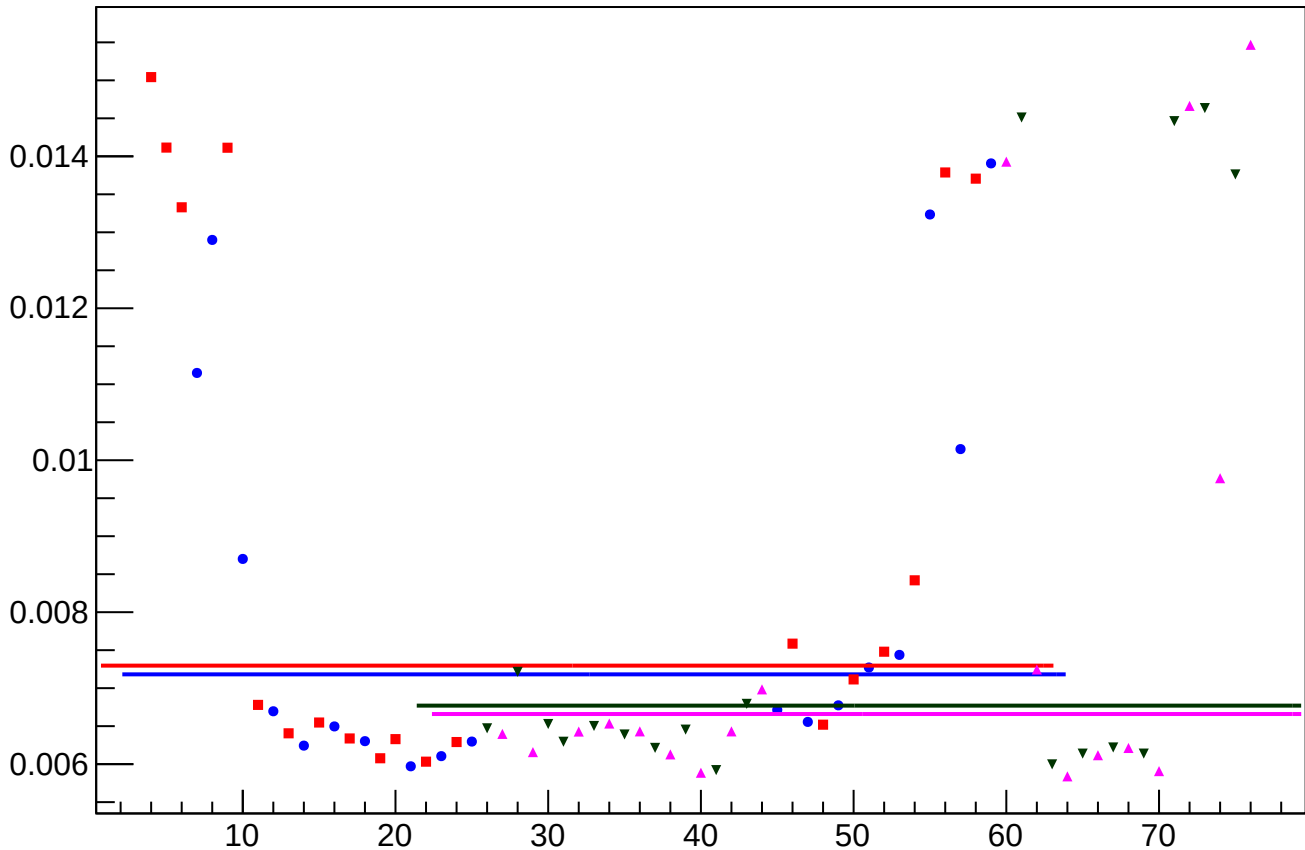
1.485 $\pm$ 0.000 χ^2 /NDF: 41051791794.4/35

Right Out: 1.516 $\pm$ 0.000 χ^2 /NDF: 21754735470.0/18

1.453 $\pm$ 0.000 χ^2 /NDF: 42376408368.1/36

Left In: 1.402 $\pm$ 0.000 χ^2 /NDF:19481038470.3/17

yield_bpm12Y_rms vs slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 1305539.8/17

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:1123788.8/17

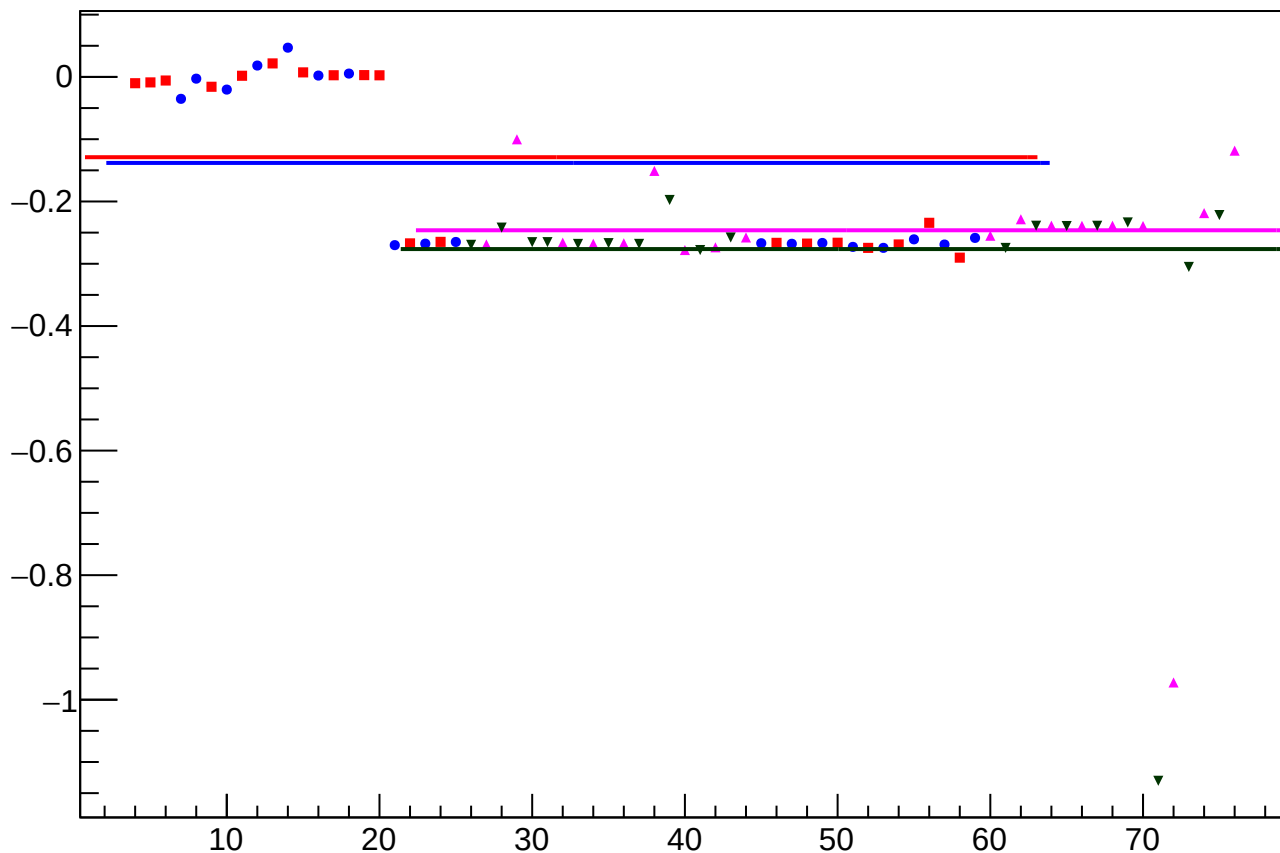
Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 1457854.6/18

Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:1067840.8/17

0.007 $\pm$ 0.000 χ^2 /NDF: 2460232.1/35

0.007 $\pm$ 0.000 χ^2 /NDF: 2597738.7/36

yield_bpm16X_mean vs slug



Right In: -0.138 ± 0.000 χ^2/NDF : 7275574194.7/17

Left Out: -0.276 ± 0.000 χ^2/NDF : 5787967307.9/17

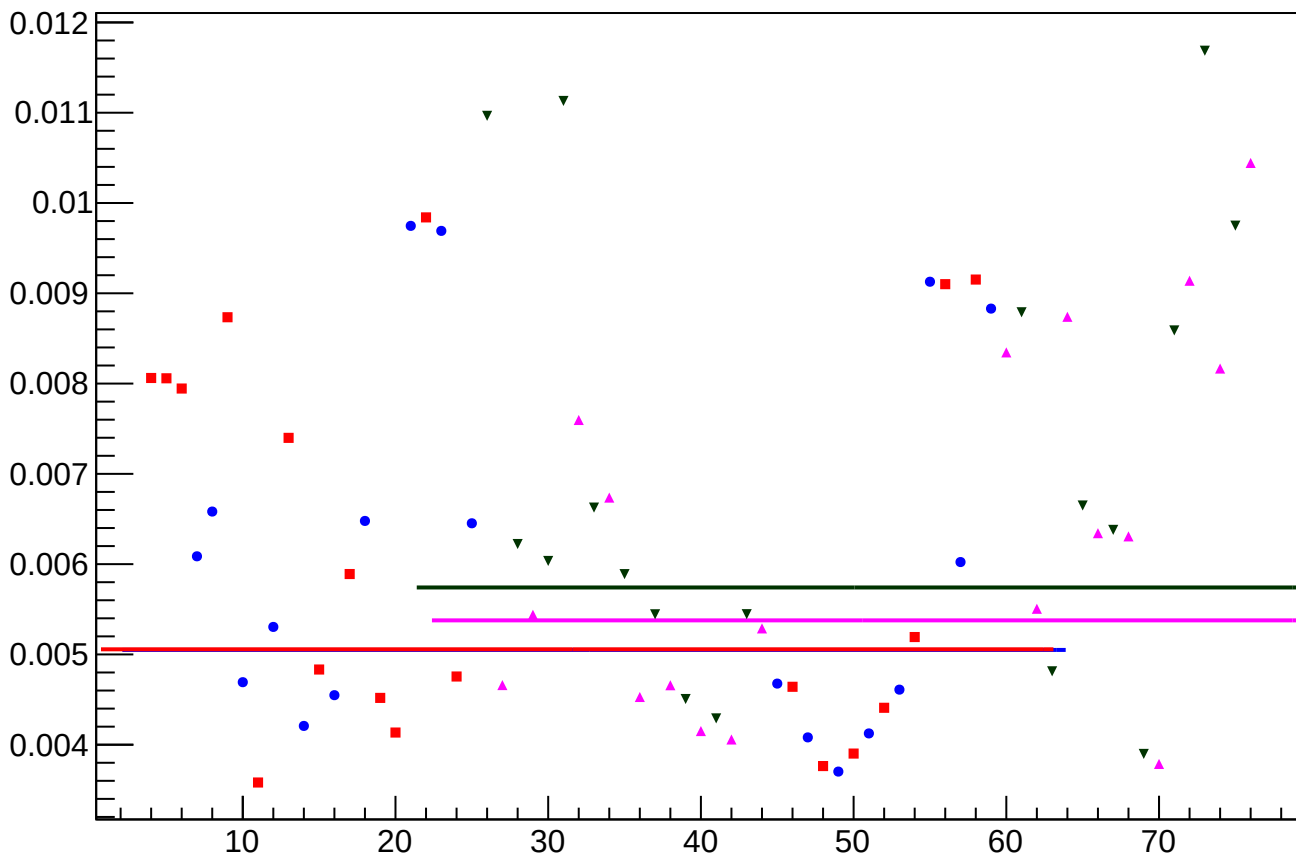
Right Out: -0.129 ± 0.000 χ^2/NDF : 5878929515.5/18

Left In: -0.246 ± 0.000 χ^2/NDF : 3635000852.6/17

-0.193 ± 0.000 χ^2/NDF : 15828263520.9/35

-0.185 ± 0.000 χ^2/NDF : 11635628290.6/36

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 :1514544.3/17

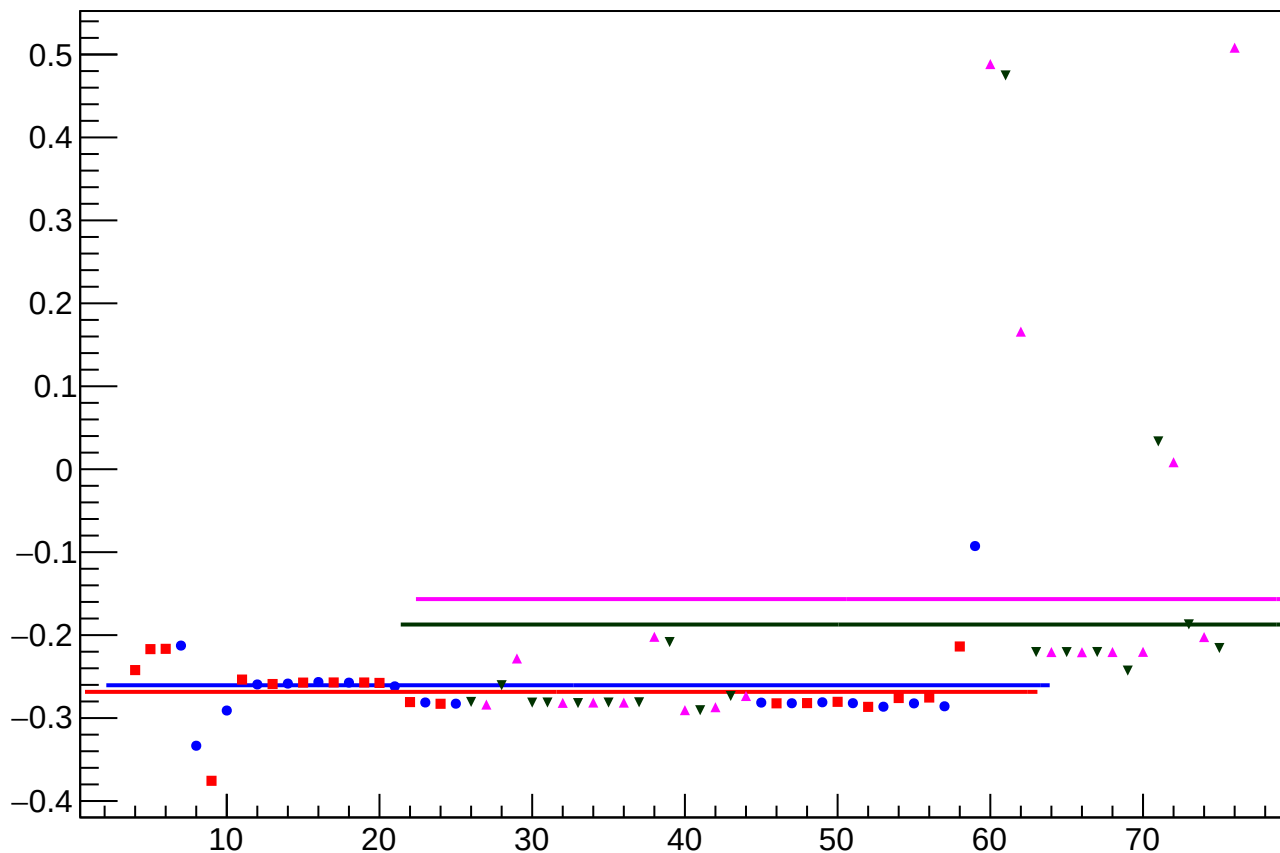
Right Out: 0.005+/-0.000 χ^2/NDF : 1822469.4/18

Left In: 0.005+/-0.000 χ^2/NDF :1429963.2/17

0.005+/-0.000 χ^2/NDF : 3317266.7/35

0.005+/-0.000 χ^2/NDF : 3284124.2/36

yield_bpm16Y_mean vs slug



Right In: -0.260 ± 0.000 χ^2/NDF : 6878369368.1/17

Left Out: -0.187 ± 0.000 χ^2/NDF : 44871092371.9/17

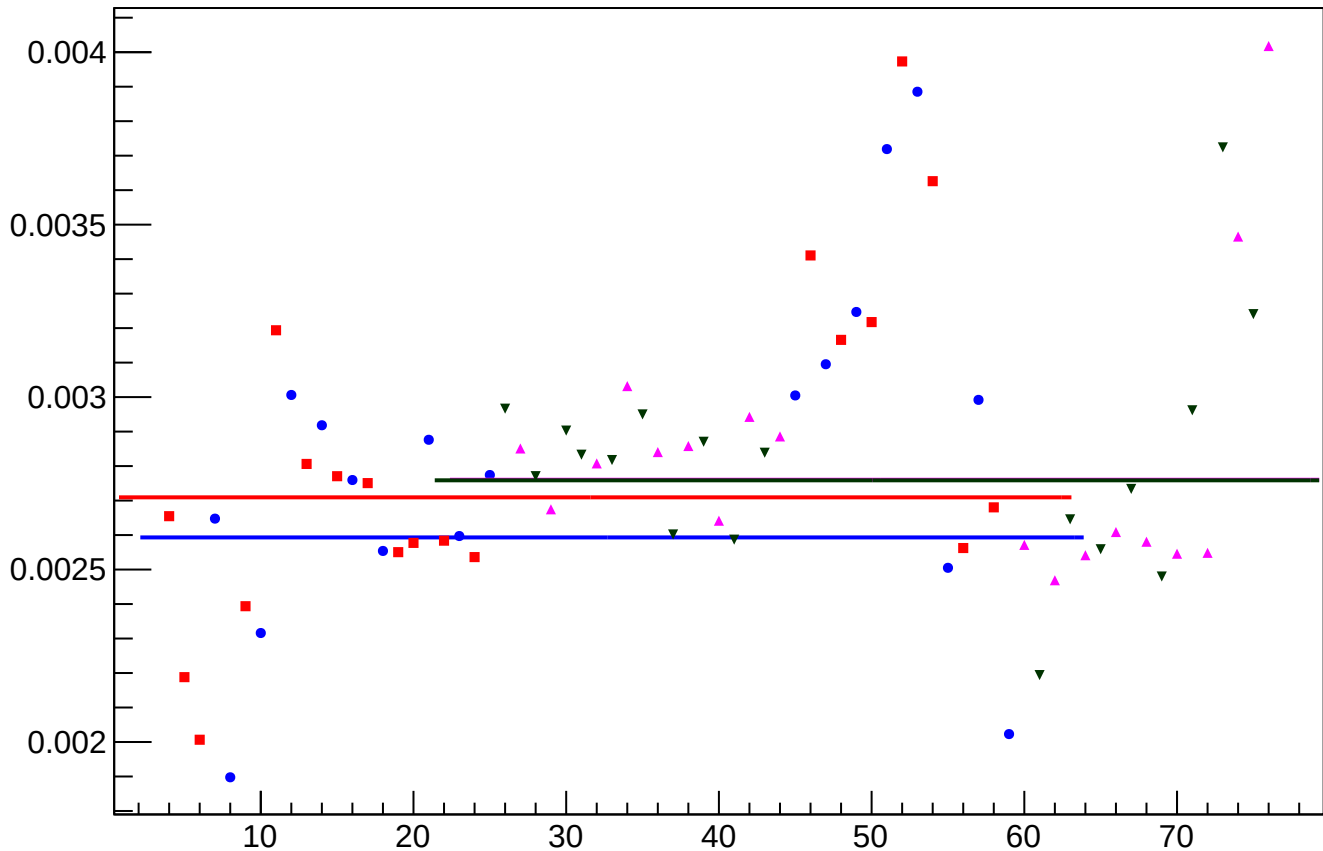
Right Out: -0.268 ± 0.000 χ^2/NDF : 2185355194.4/18

Left In: -0.157 ± 0.000 χ^2/NDF : 60781571571.4/17

-0.229 ± 0.000 χ^2/NDF : 55342656357.9/35

-0.213 ± 0.000 χ^2/NDF : 70930801279.3/36

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 :190216.8/17

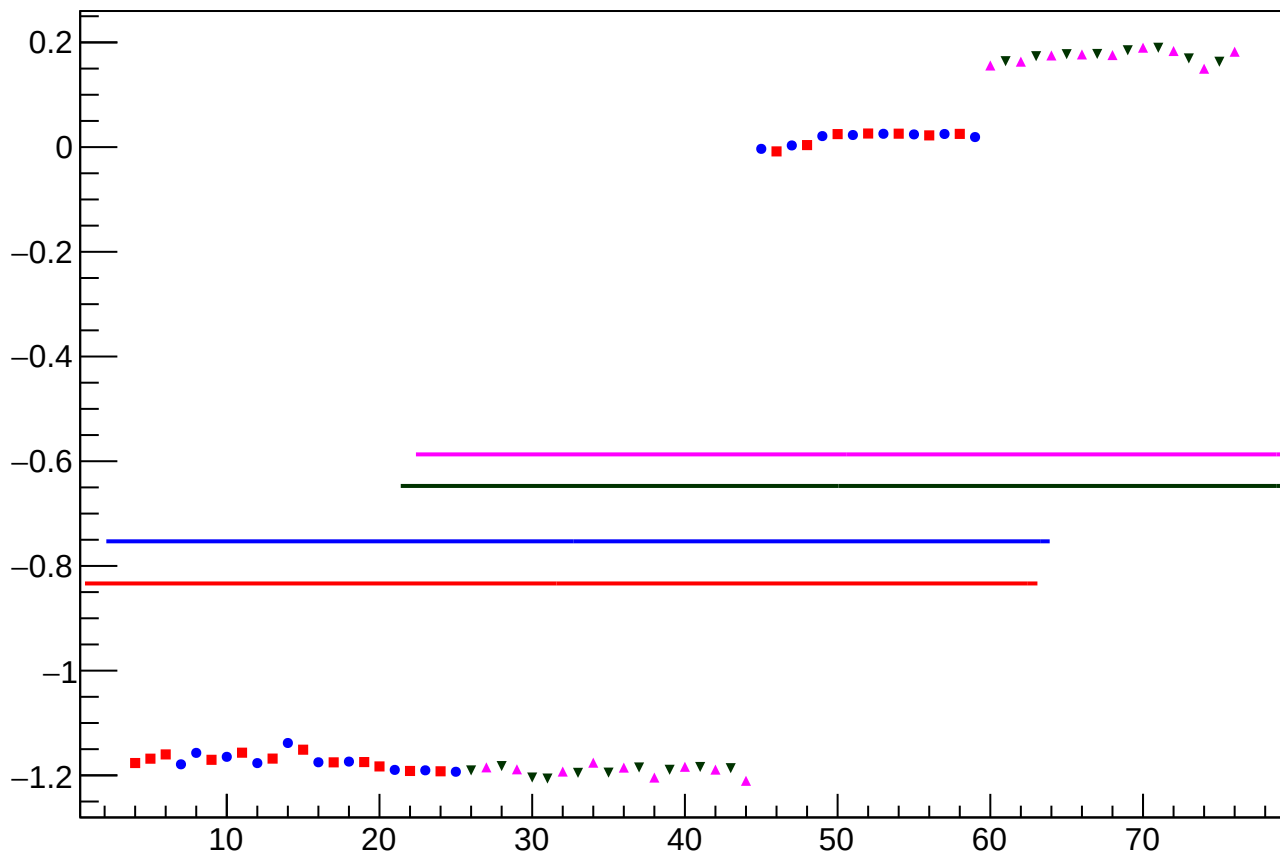
Right Out: 0.003+/-0.000 χ^2/NDF : 476230.4/18

Left In: 0.003+/-0.000 χ^2/NDF :206685.9/17

0.003+/-0.000 χ^2/NDF : 1001089.4/35

0.003+/-0.000 χ^2/NDF : 686235.4/36

yield_bpm2i01X_mean vs slug



Right In: -0.753+/-0.000 χ^2/NDF : 63524502695.2/17

Left Out: -0.647+/-0.000 χ^2/NDF : 60186038191.5/17

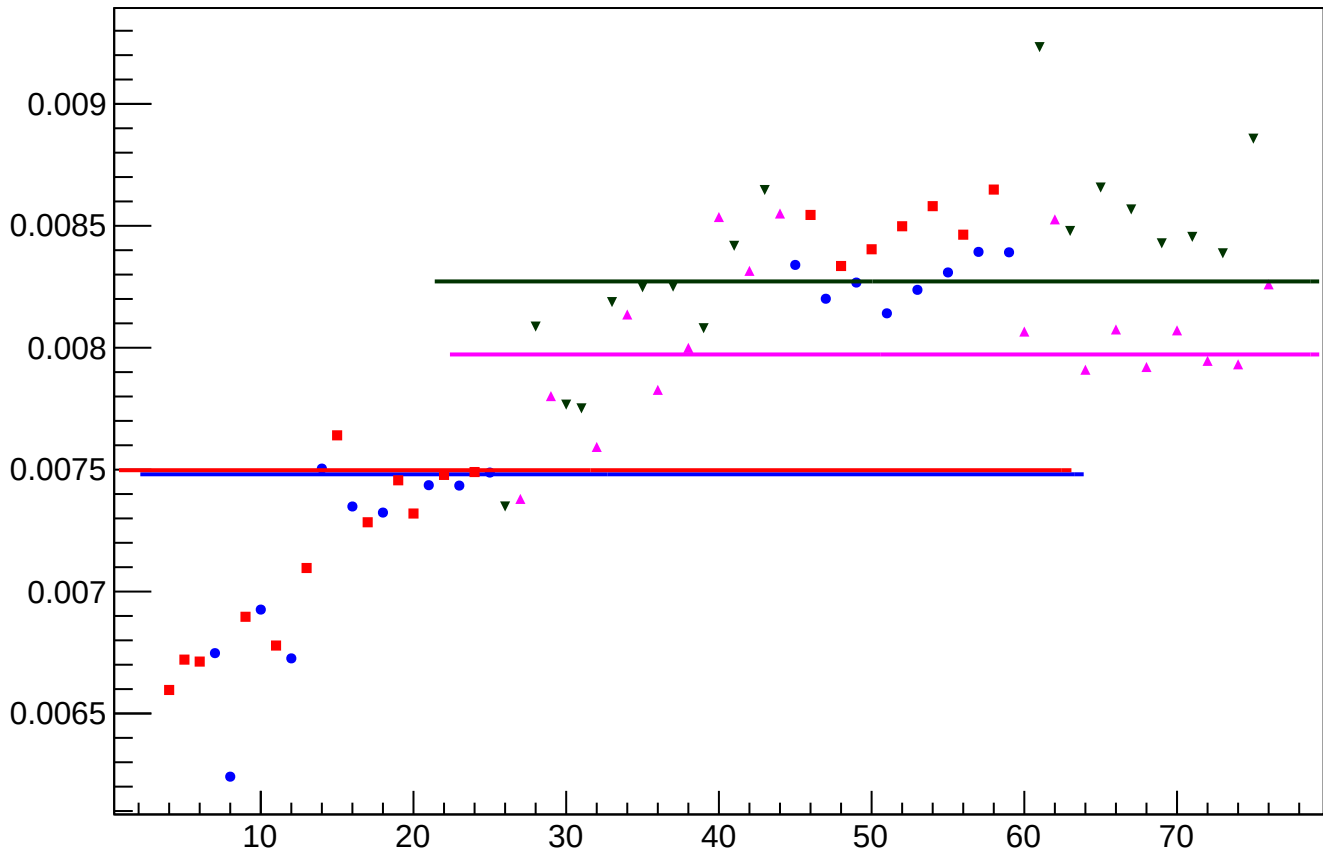
Right Out: -0.833+/-0.000 χ^2/NDF : 50332816661.3/18

Left In: -0.587+/-0.000 χ^2/NDF : 72855370779.2/17

-0.710+/-0.000 χ^2/NDF : 124606614472.2/35

-0.716+/-0.000 χ^2/NDF : 128255304474.6/36

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 : 44763.8/17

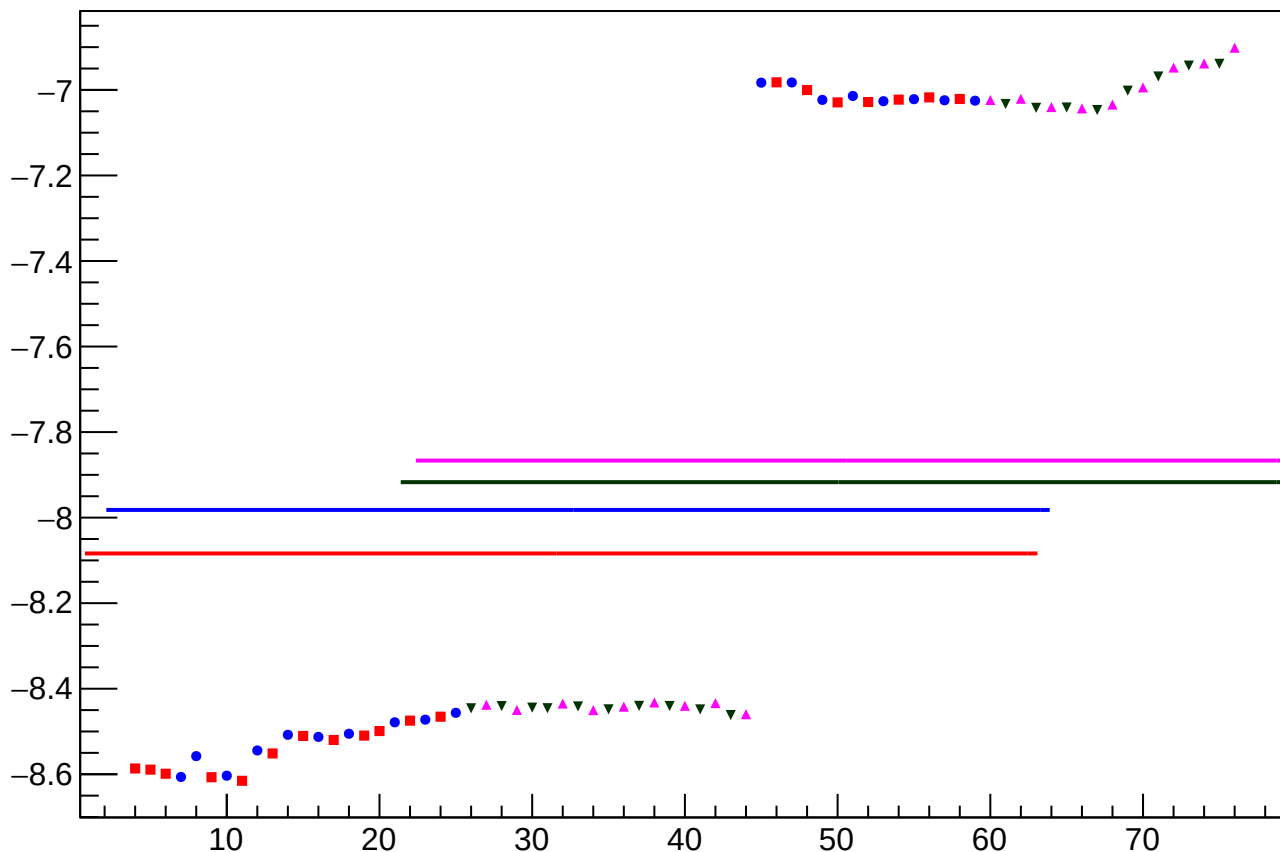
0.008+/-0.000 χ^2/NDF : 341058.6/35

Right Out: 0.007+/-0.000 χ^2/NDF : 167417.2/18

0.008+/-0.000 χ^2/NDF : 238189.0/36

Left In: 0.008+/-0.000 χ^2/NDF : 33199.2/17

yield_bpm2i01Y_mean vs slug



Right In: -7.982+/-0.000 χ^2/NDF : 116524136897.0/17

Left Out: -7.917+/-0.000 χ^2/NDF : 79292936906.8/17

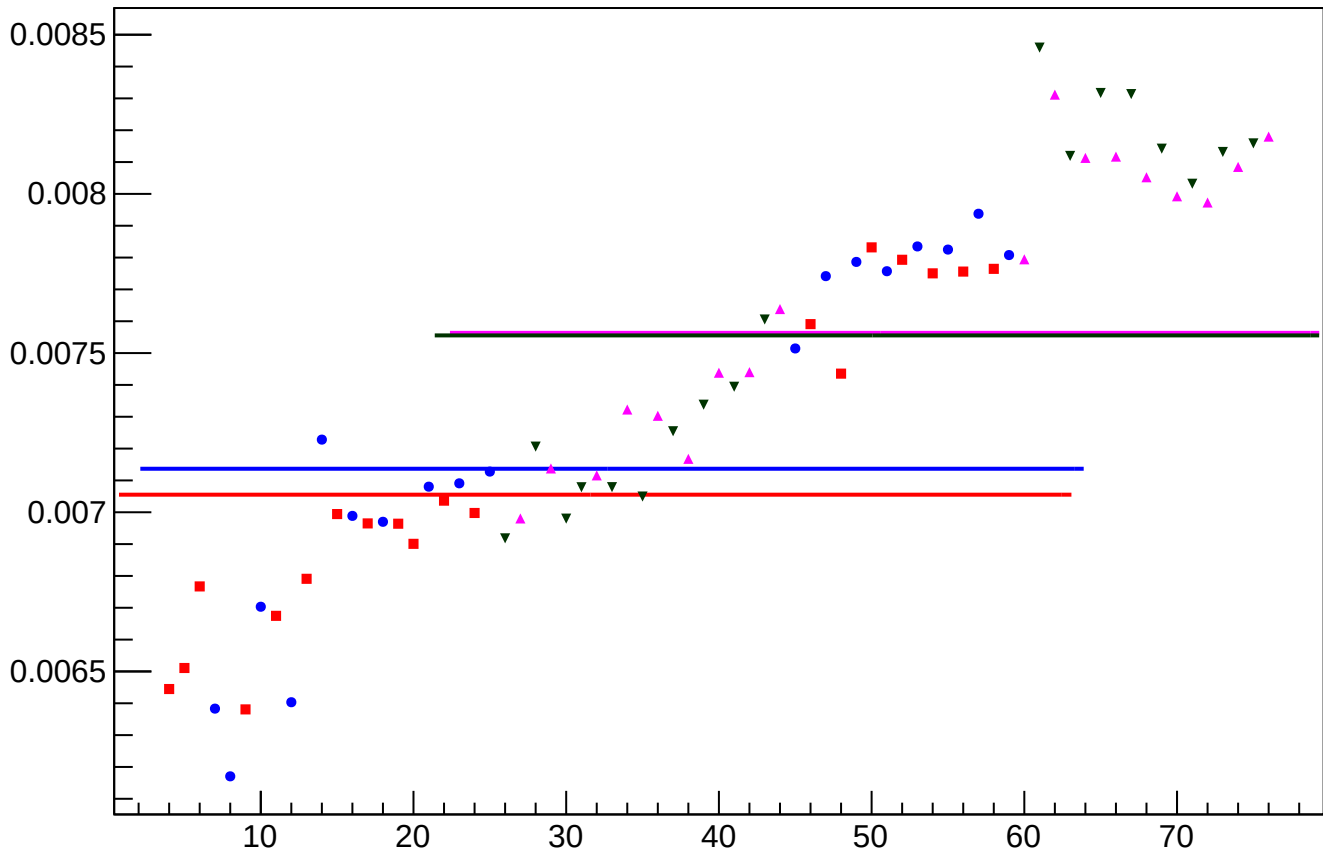
Right Out: -8.084+/-0.000 χ^2/NDF : 99506540389.5/18

Left In: -7.867+/-0.000 χ^2/NDF : 89865890866.2/17

-7.954+/-0.000 χ^2/NDF : 196211809641.4/35

-7.981+/-0.000 χ^2/NDF : 193818269451.0/36

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 : 87266.8/17

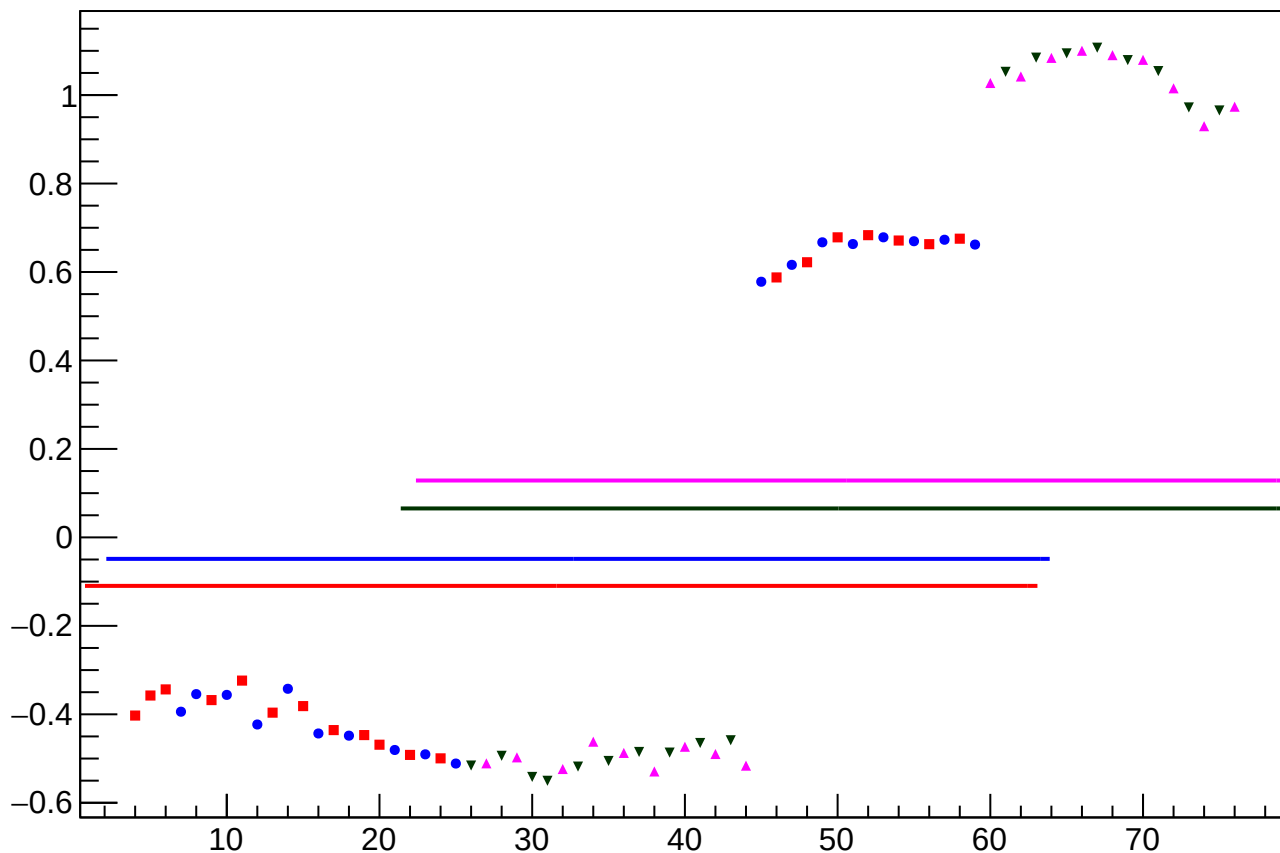
Right Out: 0.007+/-0.000 χ^2/NDF : 88863.4/18

Left In: 0.008+/-0.000 χ^2/NDF : 69459.4/17

0.007+/-0.000 χ^2/NDF : 261516.1/35

0.007+/-0.000 χ^2/NDF : 207016.6/36

yield_bpm2i02X_mean vs slug



Right In: -0.049+/-0.000 χ^2/NDF : 7806391272.8/17

Left Out: 0.065+/-0.000 χ^2/NDF :11291826162.4/17

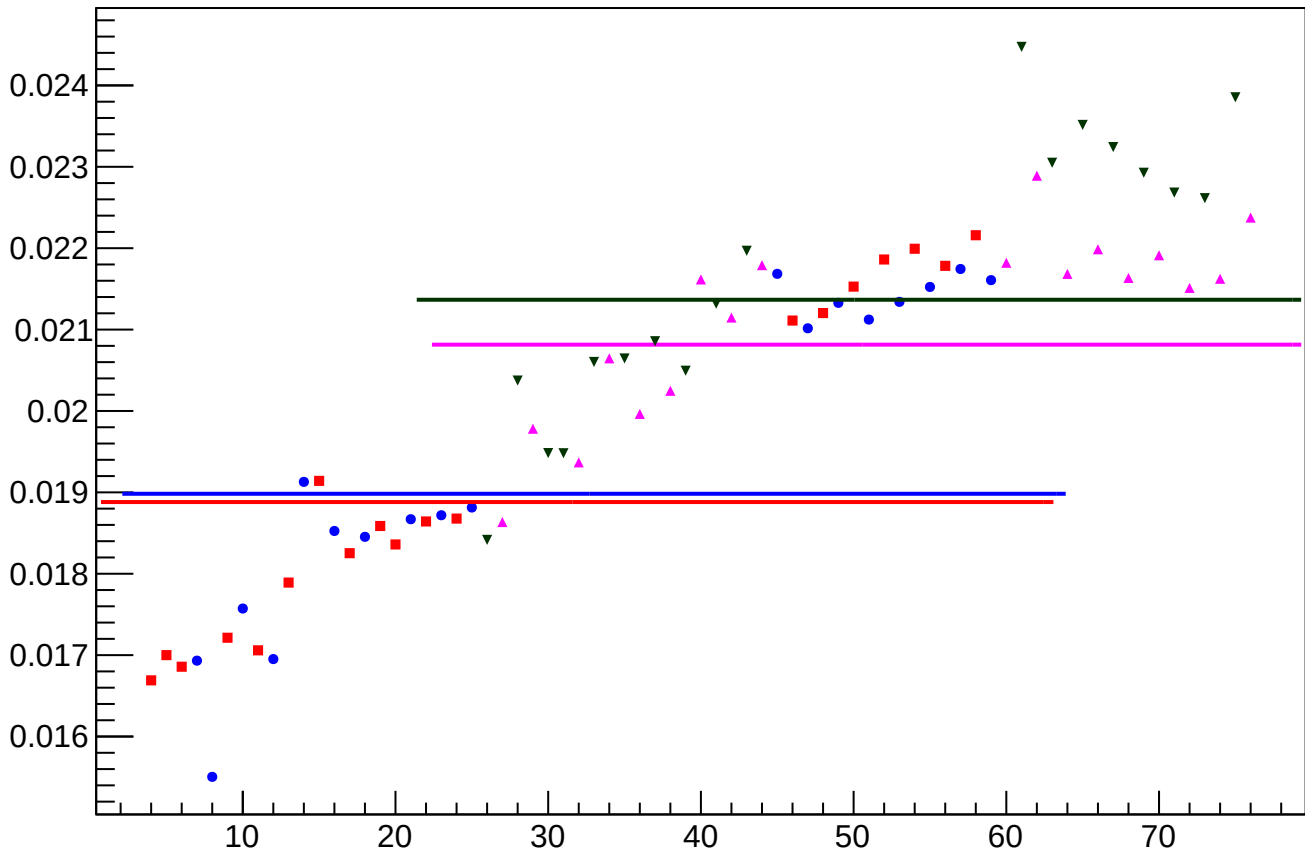
Right Out: -0.110+/-0.000 χ^2/NDF : 6259069670.0/18

Left In: 0.129+/-0.000 χ^2/NDF :13430028693.2/17

-0.004+/-0.000 χ^2/NDF : 19256292567.5/35

-0.001+/-0.000 χ^2/NDF : 20406815746.7/36

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 :106945.9/17

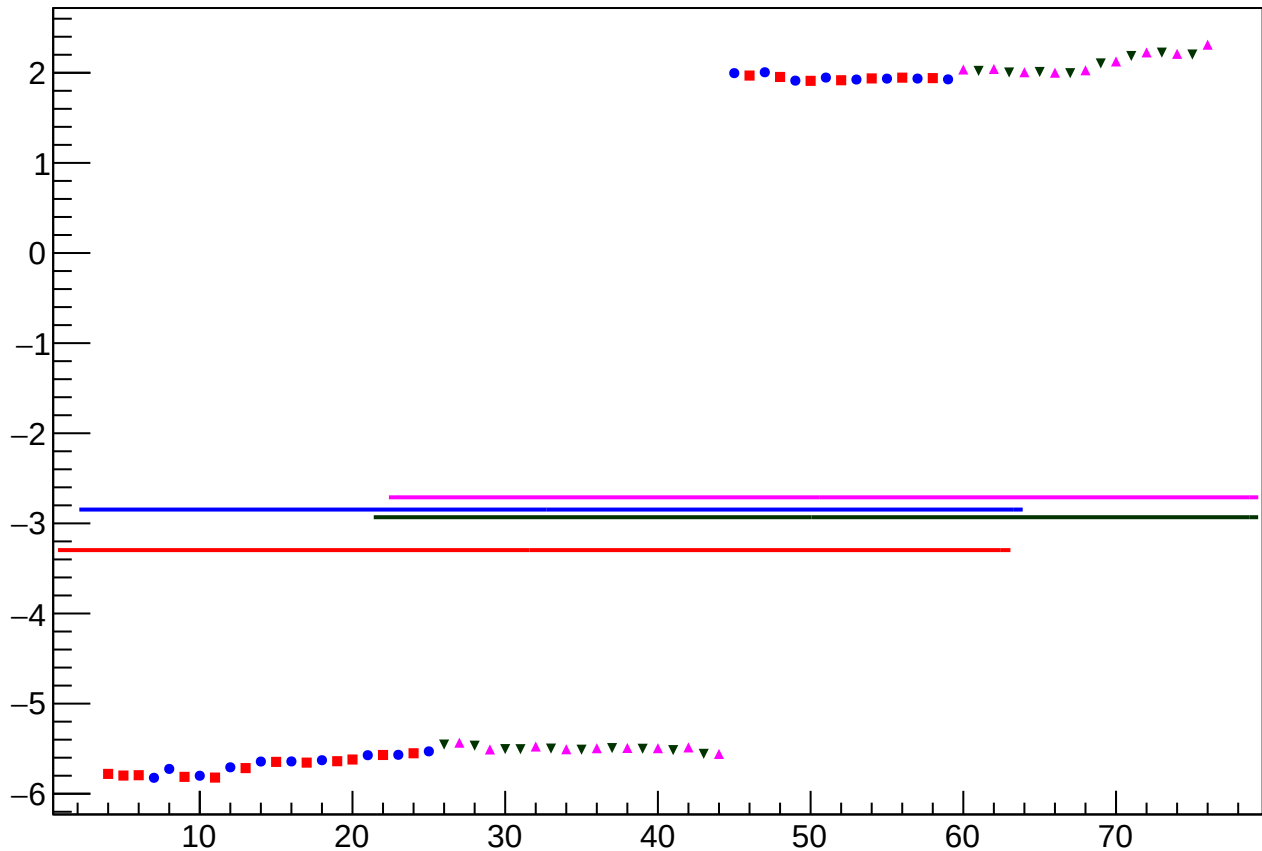
0.020+/-0.000 χ^2/NDF : 500093.2/35

Right Out: 0.019+/-0.000 χ^2/NDF : 190553.3/18

0.020+/-0.000 χ^2/NDF : 355474.8/36

Left In: 0.021+/-0.000 χ^2/NDF :70332.9/17

yield_bpm2i02Y_mean vs slug



Right In: -2.847+/-0.000 χ^2/NDF : 988085675921.2/17

Left Out: -2.932+/-0.000 χ^2/NDF : 724262340346.3/17

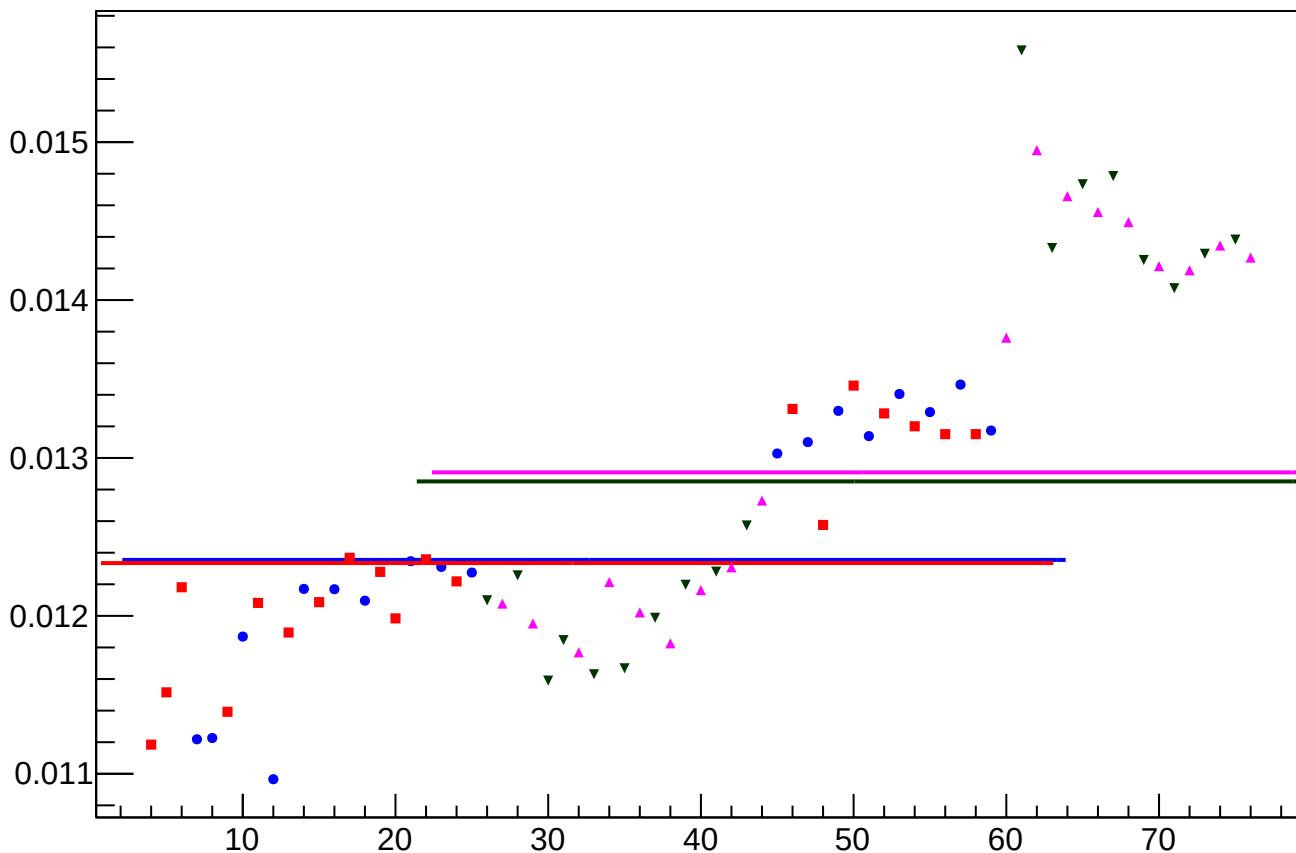
Right Out: -3.297+/-0.000 χ^2/NDF : 819050975647.4/18

Left In: -2.711+/-0.000 χ^2/NDF : 816676749175.7/17

-2.884+/-0.000 χ^2/NDF : 1712576686836.5/35

-3.013+/-0.000 χ^2/NDF : 1646509382825.8/36

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 : 168454.5/17

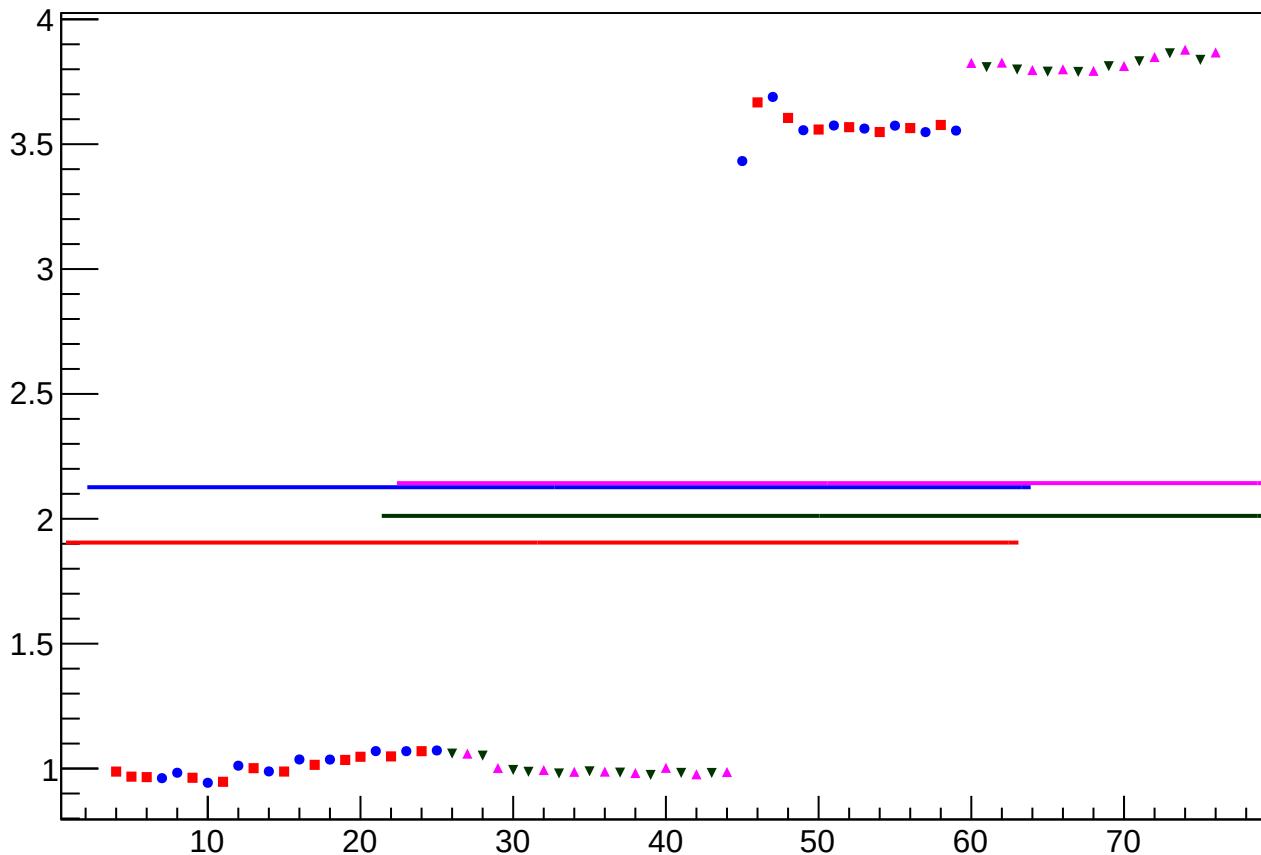
Right Out: 0.012 ± 0.000 χ^2/NDF : 54886.5/18

Left In: 0.013 ± 0.000 χ^2/NDF : 157954.4/17

0.013 ± 0.000 χ^2/NDF : 273962.0/35

0.013 ± 0.000 χ^2/NDF : 233564.4/36

yield_bpm1i04X_mean vs slug



Right In: 2.126+/-0.000 χ^2/NDF : 292632575878.4/17

Left Out: 2.012+/-0.000 χ^2/NDF : 271727625169.2/17

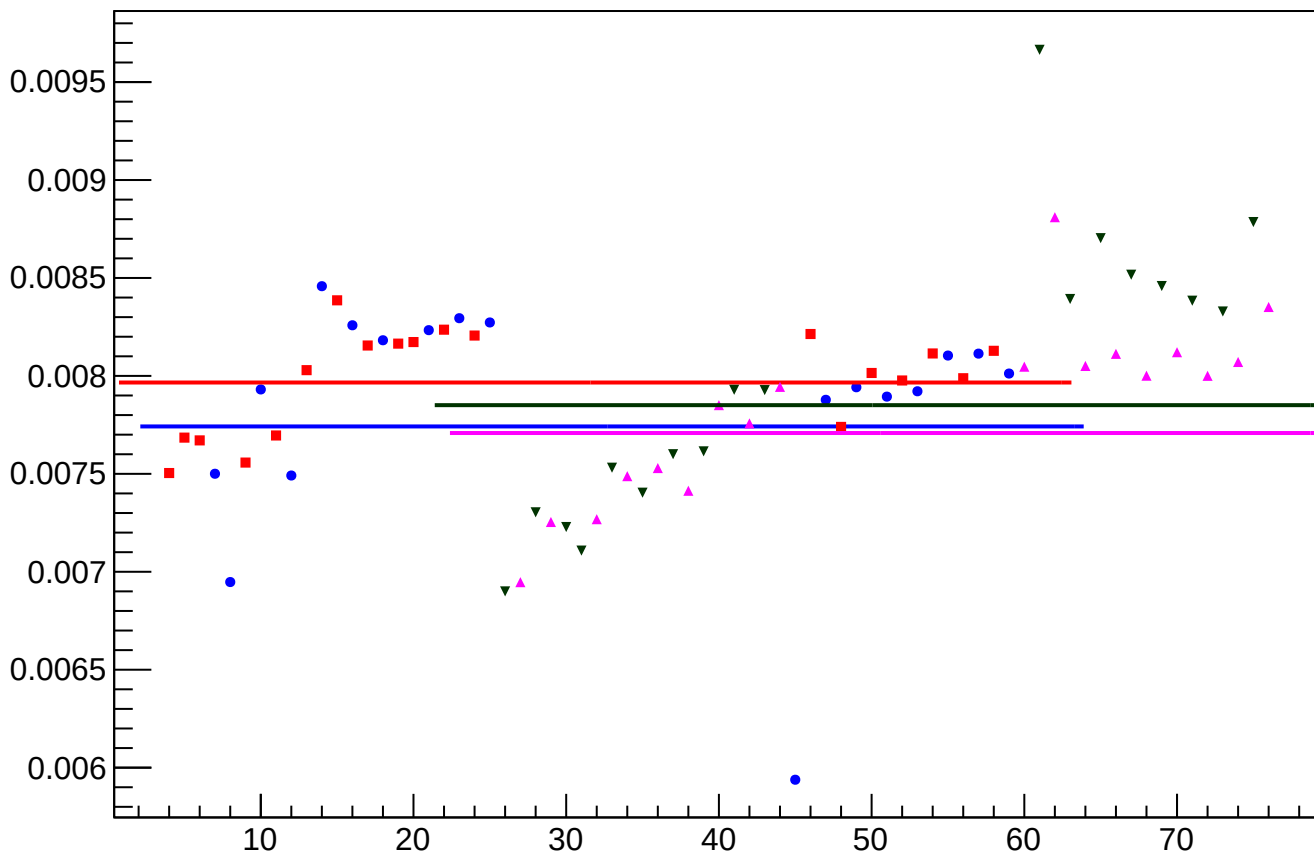
2.075+/-0.000 χ^2/NDF : 565444717989.3/35

Right Out: 1.905+/-0.000 χ^2/NDF : 236022966001.2/18

2.029+/-0.000 χ^2/NDF : 566534758835.2/36

Left In: 2.143+/-0.000 χ^2/NDF : 325918341321.4/17

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 :121866.8/17

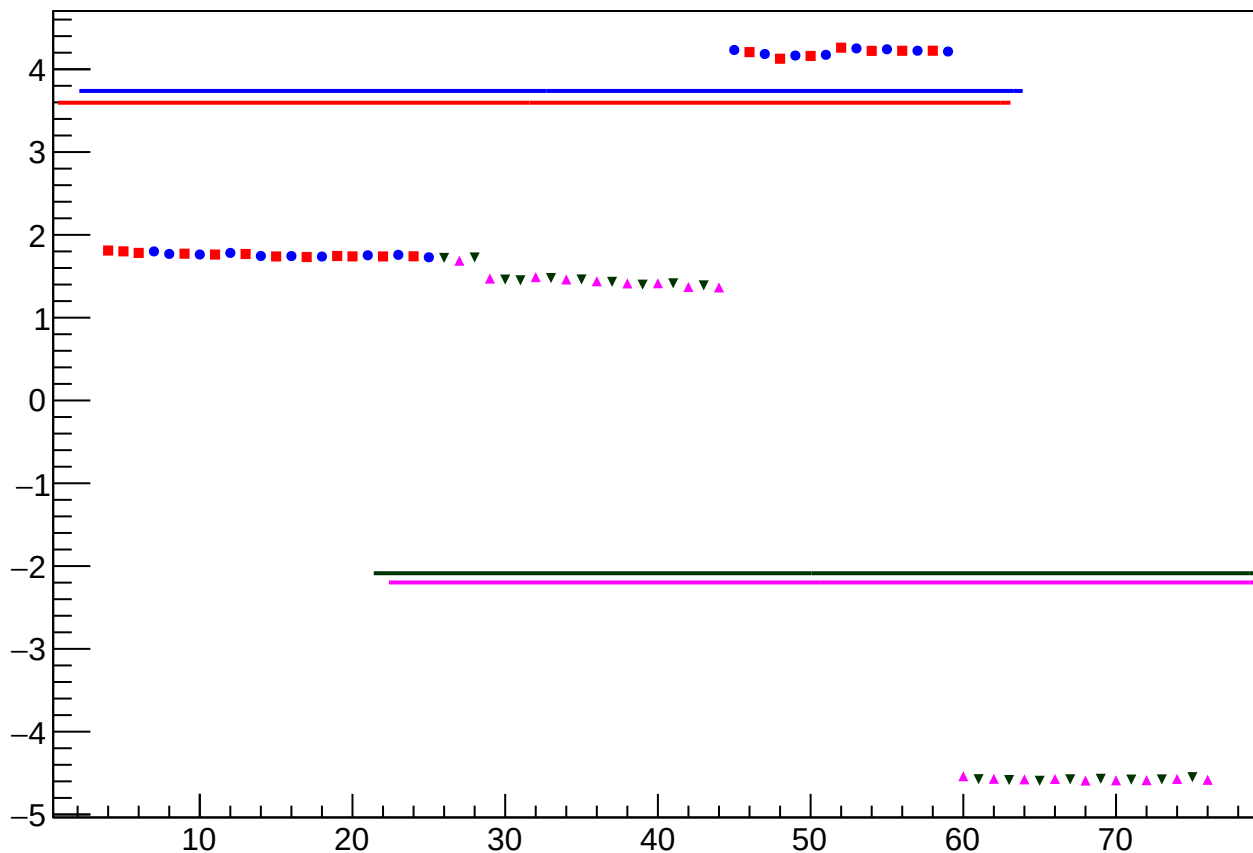
Right Out: 0.008+/-0.000 χ^2/NDF : 20073.5/18

Left In: 0.008+/-0.000 χ^2/NDF :71752.2/17

0.008+/-0.000 χ^2/NDF : 302718.7/35

0.008+/-0.000 χ^2/NDF : 102604.7/36

yield_bpm1i04Y_mean vs slug



Right In: 3.738+/-0.000 χ^2/NDF : 502669373965.6/17

Left Out: -2.086+/-0.000 χ^2/NDF : 3398335657001.0/17

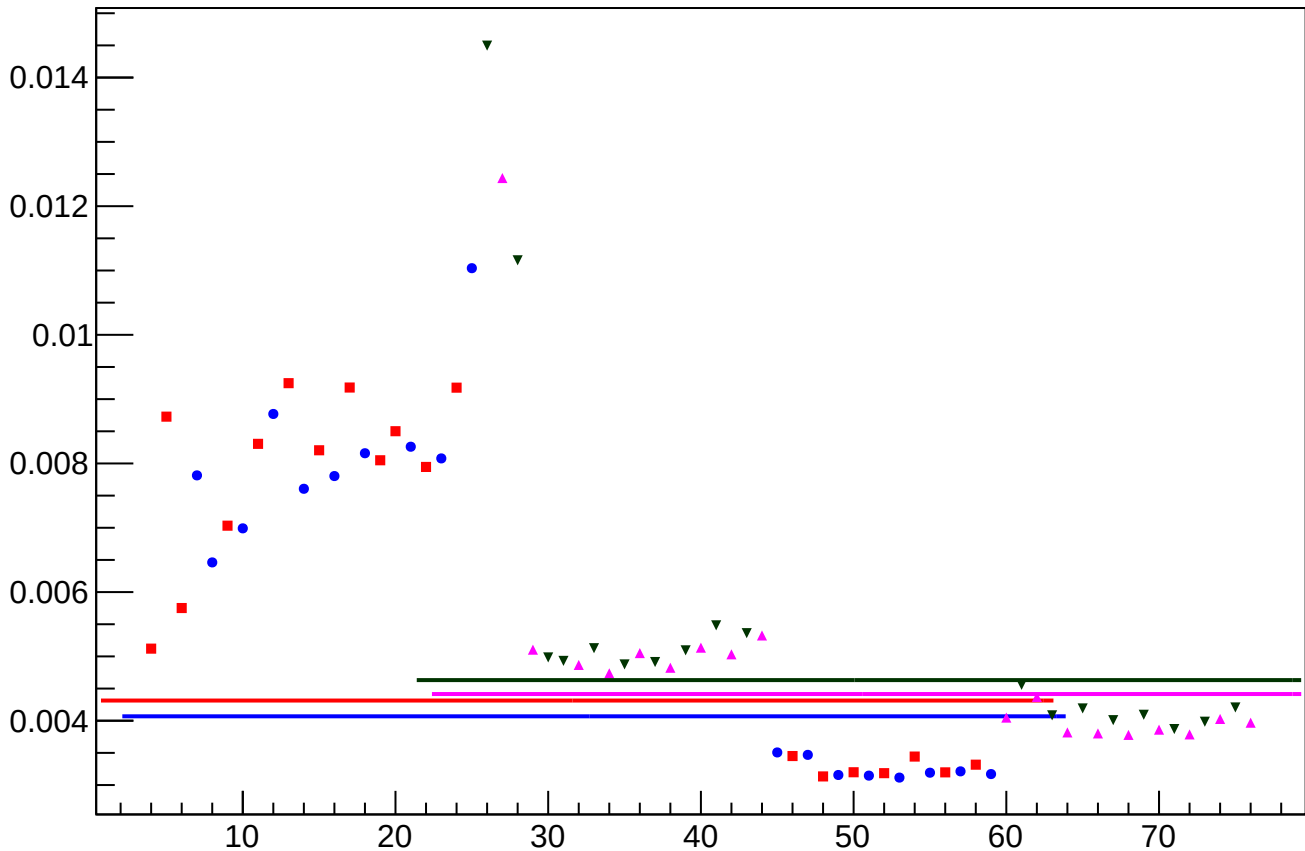
Right Out: 3.596+/-0.000 χ^2/NDF : 468031292414.6/18

Left In: -2.198+/-0.000 χ^2/NDF : 4120180604242.3/17

1.309+/-0.000 χ^2/NDF : 11534590134027.9/35

0.520+/-0.000 χ^2/NDF : 12083345134291.2/36

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 :1095148.1/17

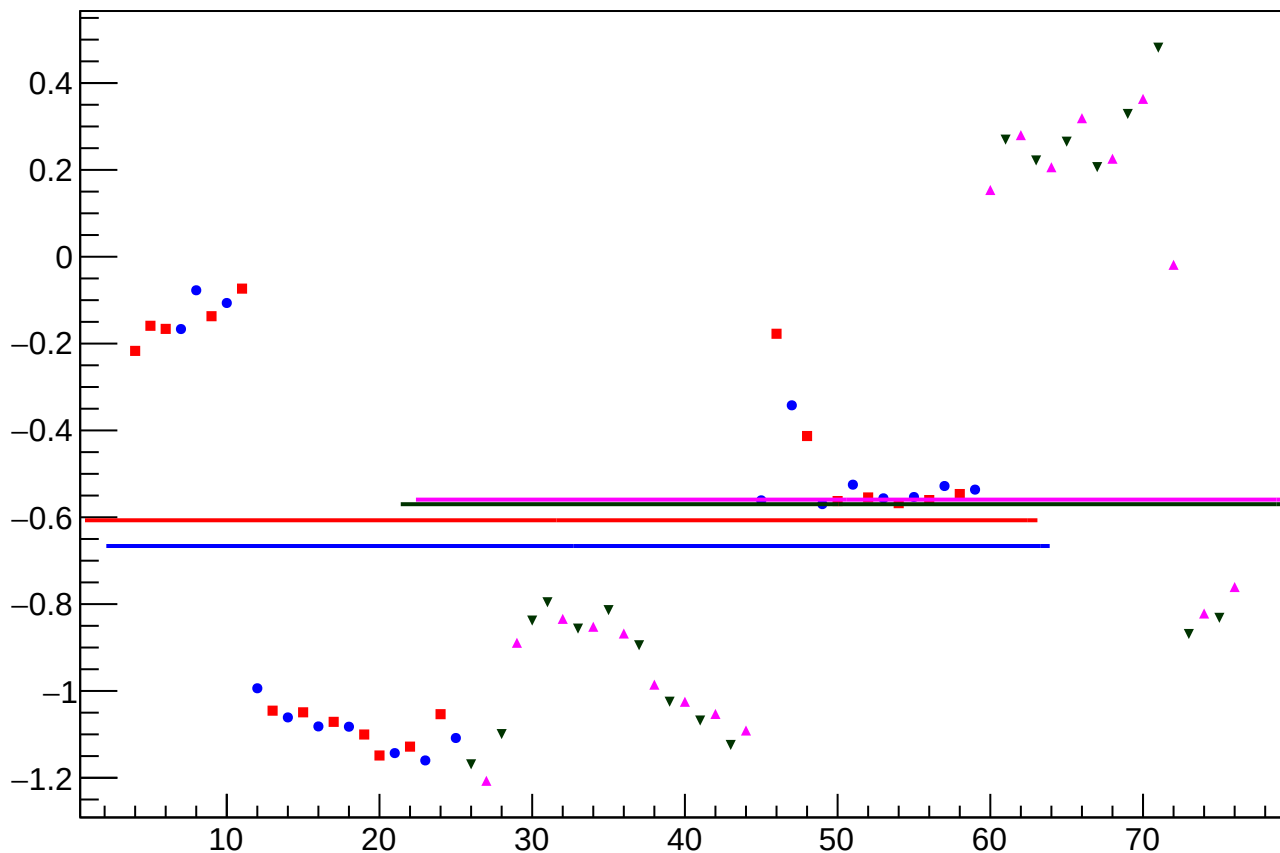
Right Out: 0.004+/-0.000 χ^2/NDF : 3241260.9/18

Left In: 0.004+/-0.000 χ^2/NDF :889049.4/17

0.004+/-0.000 χ^2/NDF : 4639547.6/35

0.004+/-0.000 χ^2/NDF : 4134877.9/36

yield_bpm0l01X_mean vs slug



Right In: -0.666+/-0.000 χ^2/NDF : 19135534349.5/17

Left Out: -0.570+/-0.000 χ^2/NDF : 39016912691.9/17

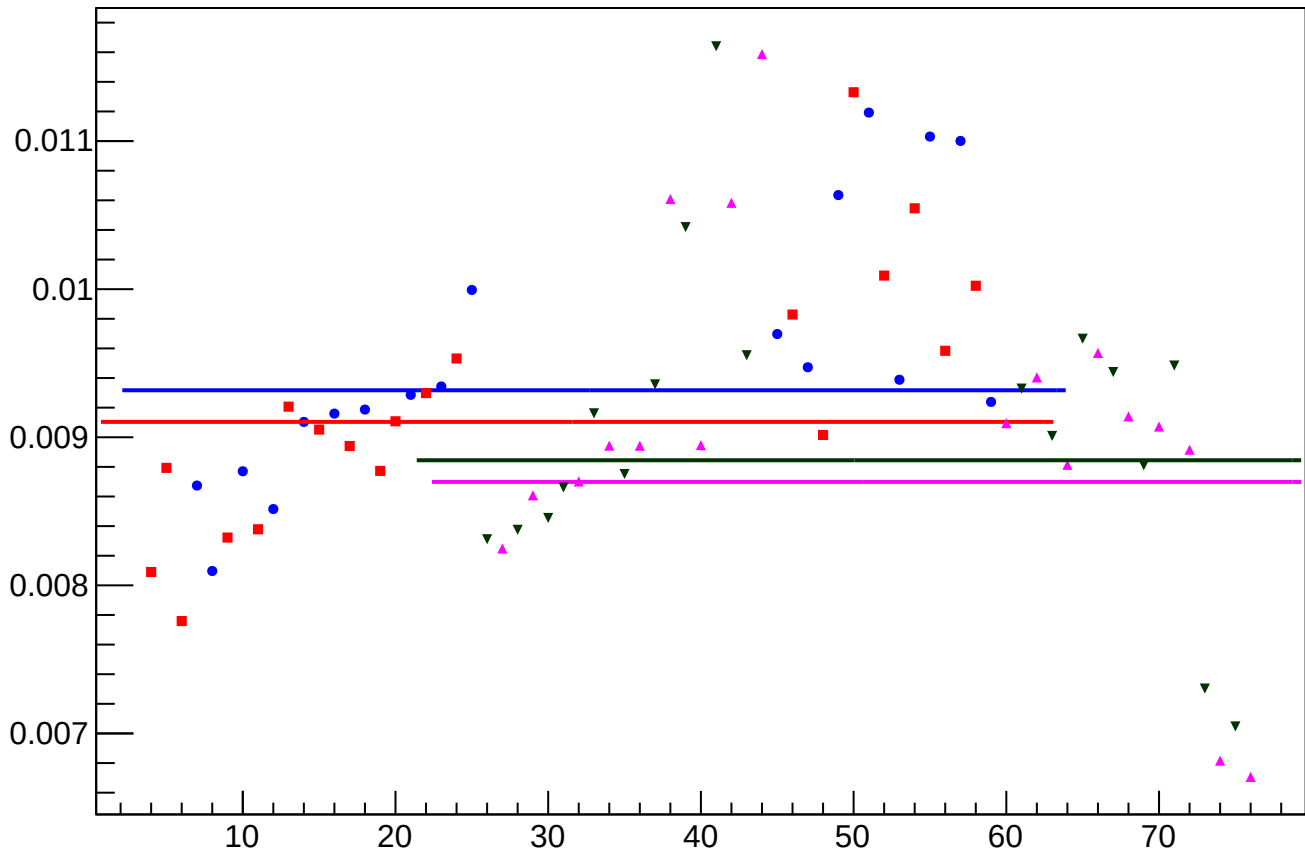
Right Out: -0.607+/-0.000 χ^2/NDF : 19217252419.4/18

Left In: -0.559+/-0.000 χ^2/NDF : 39912243969.0/17

-0.620+/-0.000 χ^2/NDF : 58710480269.2/35

-0.582+/-0.000 χ^2/NDF : 59269167457.1/36

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 : 238351.5/17

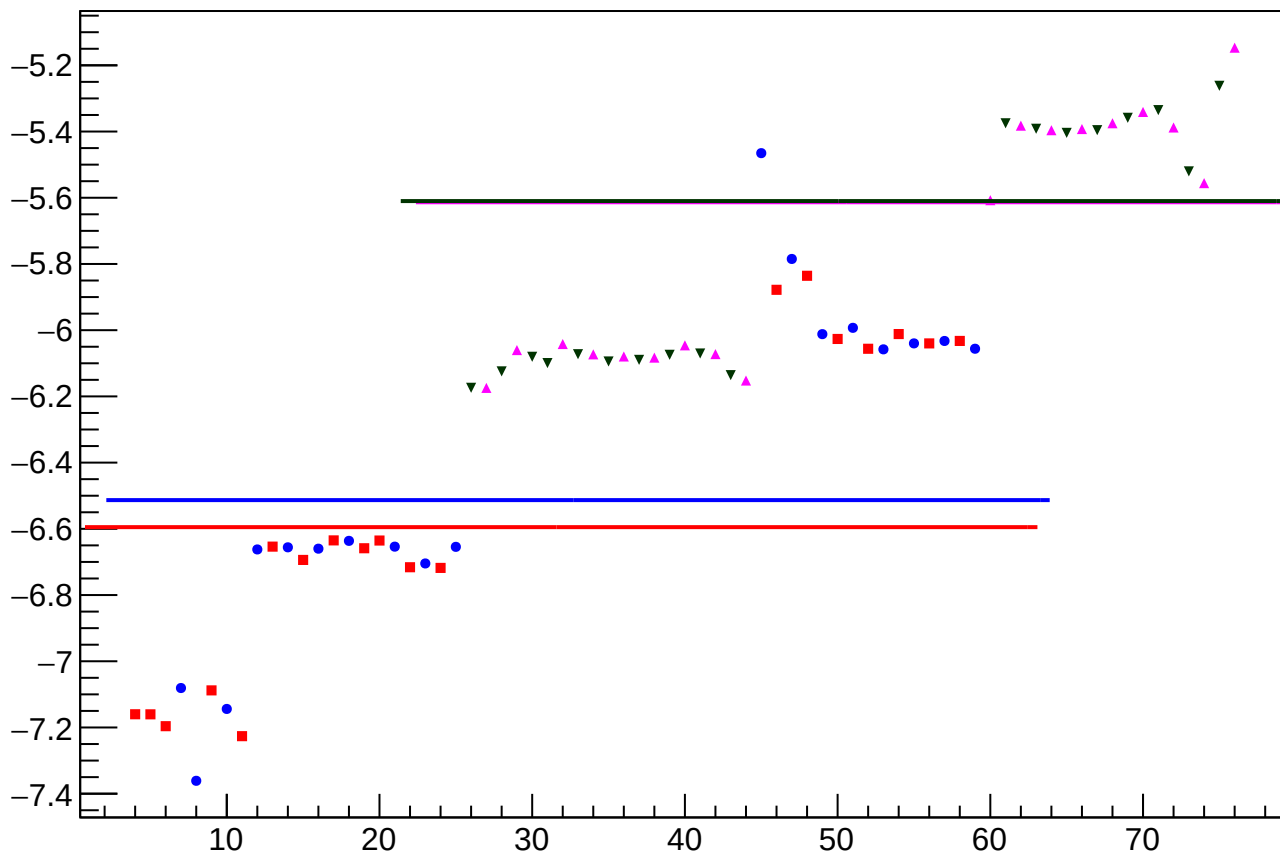
Right Out: 0.009+/-0.000 χ^2/NDF : 159092.9/18

Left In: 0.009+/-0.000 χ^2/NDF : 331199.2/17

0.009+/-0.000 χ^2/NDF : 431014.9/35

0.009+/-0.000 χ^2/NDF : 510588.8/36

yield_bpm0l01Y_mean vs slug



Right In: -6.513+/-0.000 χ^2/NDF : 34103178286.6/17

Left Out: -5.610+/-0.000 χ^2/NDF :19796889401.5/17

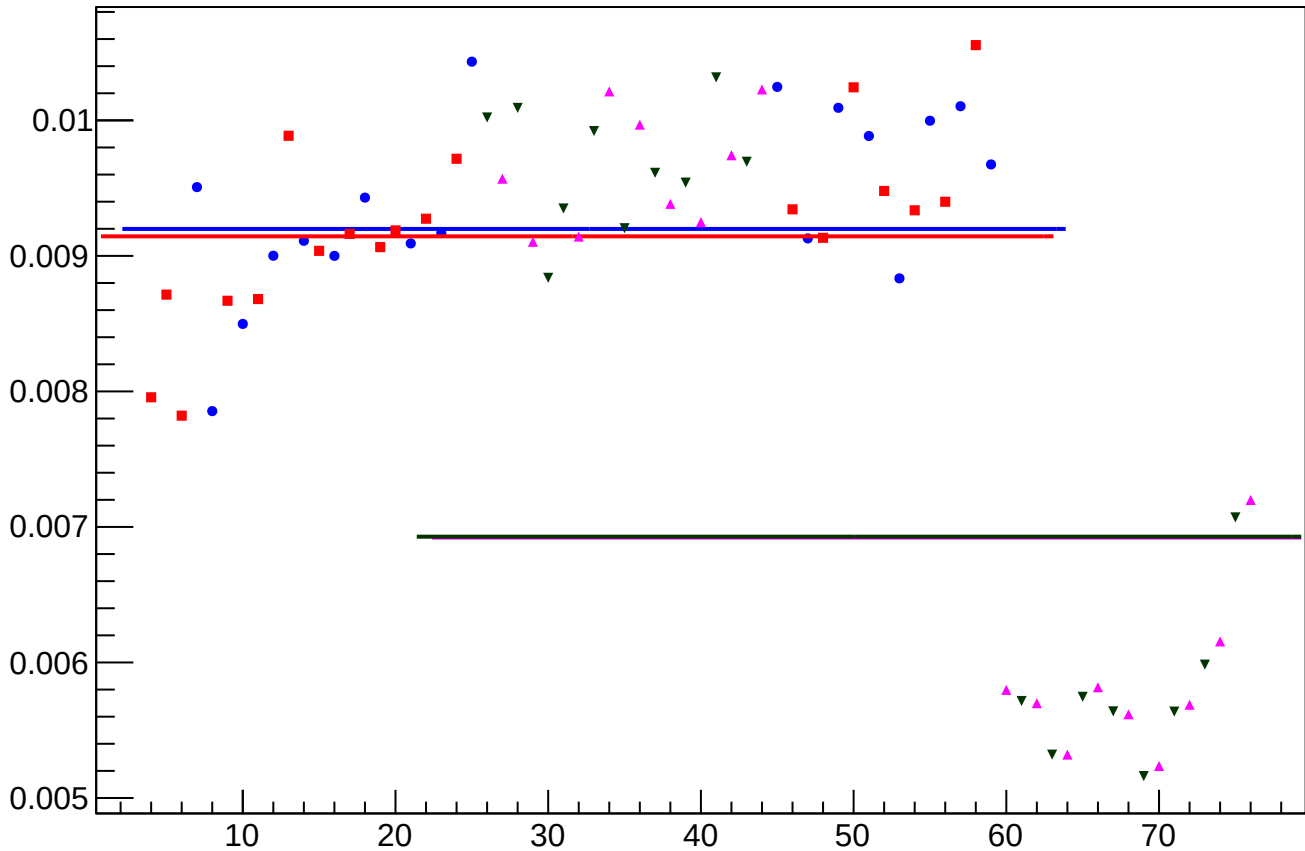
Right Out: -6.595+/-0.000 χ^2/NDF : 25777696502.6/18

Left In: -5.614+/-0.000 χ^2/NDF :21315391379.5/17

-5.992+/-0.000 χ^2/NDF : 114221658697.5/35

-5.975+/-0.000 χ^2/NDF : 116314986906.7/36

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 :1251561.3/17

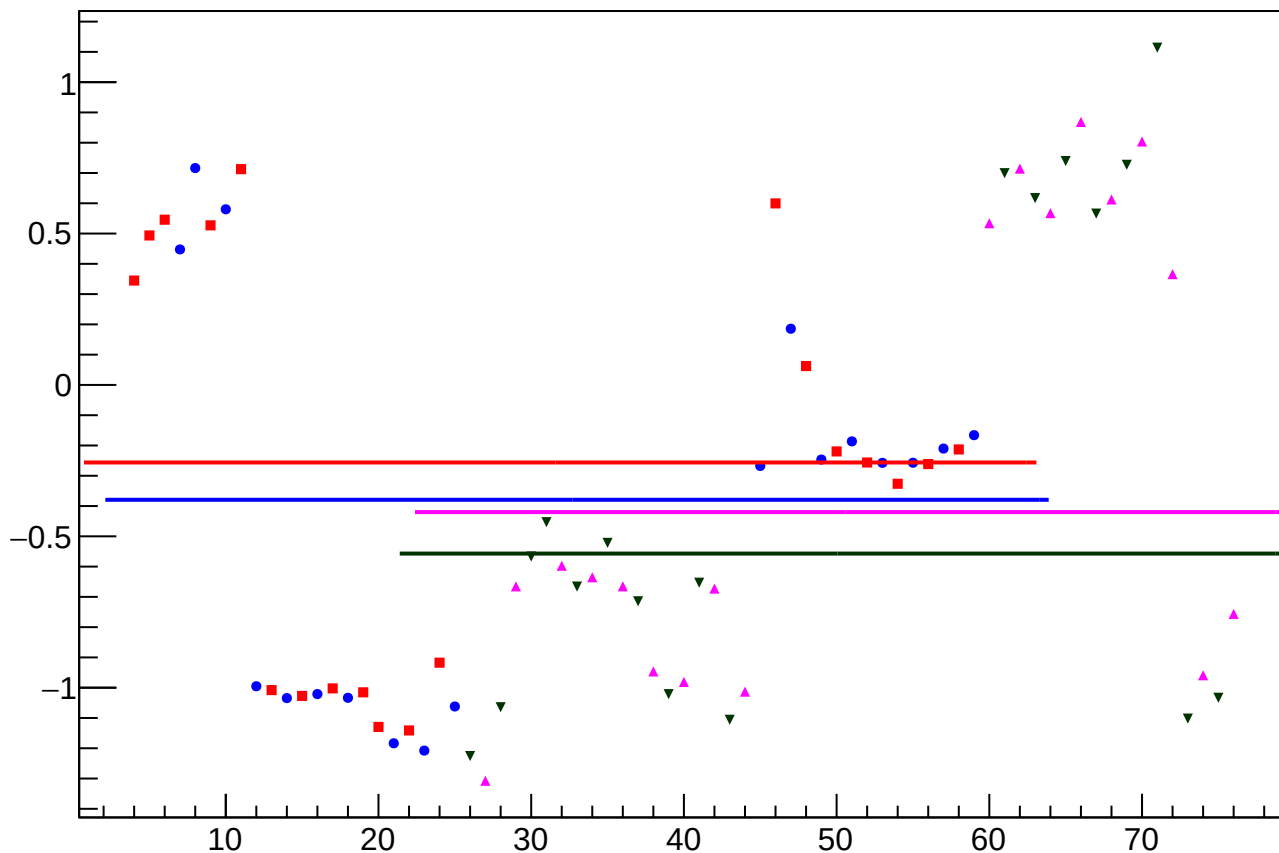
Right Out: 0.009+/-0.000 χ^2/NDF : 101222.8/18

Left In: 0.007+/-0.000 χ^2/NDF :1267198.6/17

0.008+/-0.000 χ^2/NDF : 2134588.5/35

0.008+/-0.000 χ^2/NDF : 2078738.2/36

yield_bpm0l02X_mean vs slug



Right In: -0.379+/-0.000 χ^2/NDF : 10136750548.1/17

Left Out: -0.557+/-0.000 χ^2/NDF : 22875670757.9/17

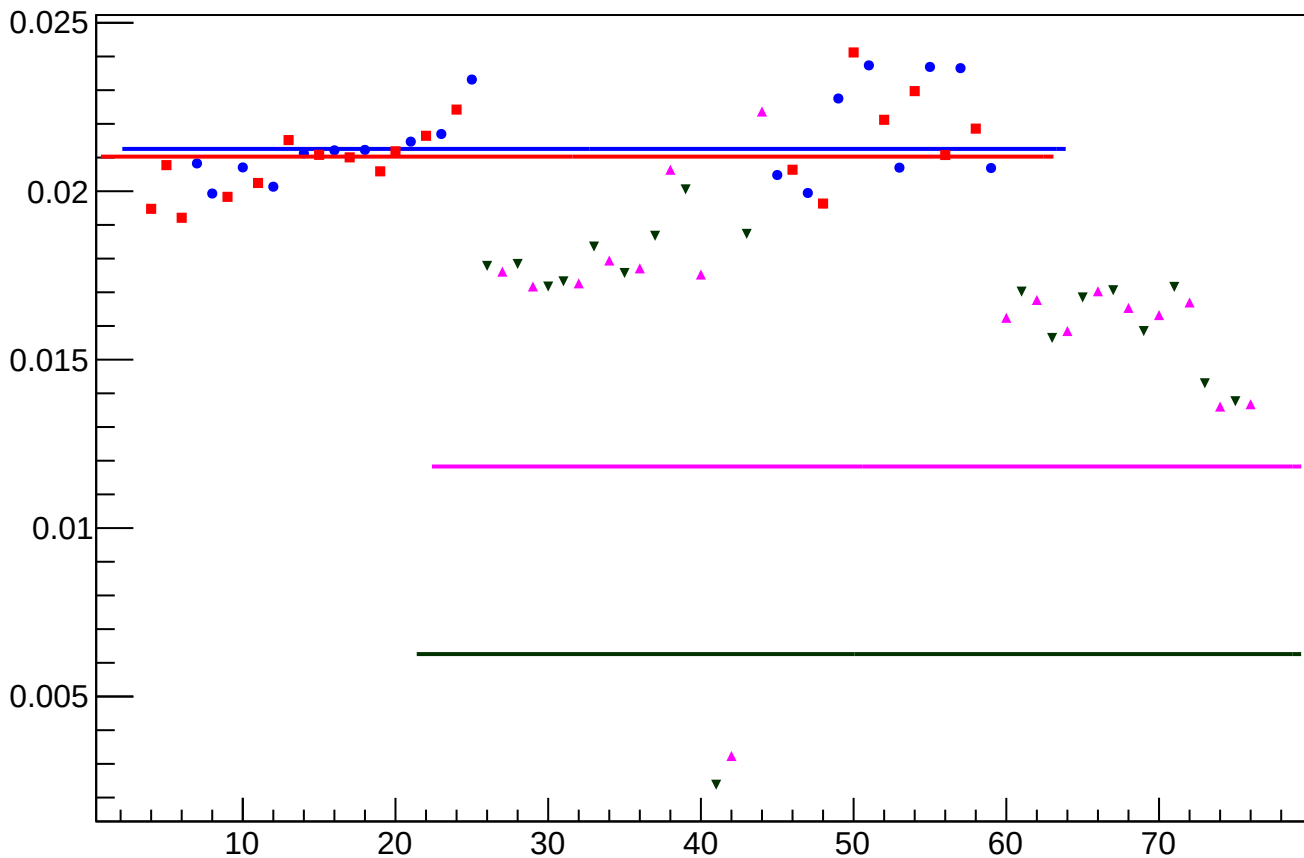
-0.525+/-0.000 χ^2/NDF : 33645234241.4/35

Right Out: -0.256+/-0.000 χ^2/NDF : 10103342122.6/18

-0.372+/-0.000 χ^2/NDF : 31458846497.1/36

Left In: -0.420+/-0.000 χ^2/NDF : 20936529152.6/17

yield_bpm0l02X_rms vs slug



Right In: 0.021+/-0.000 χ^2/NDF : 64142.6/17

Left Out: 0.006+/-0.000 χ^2/NDF : 9393055.9/17

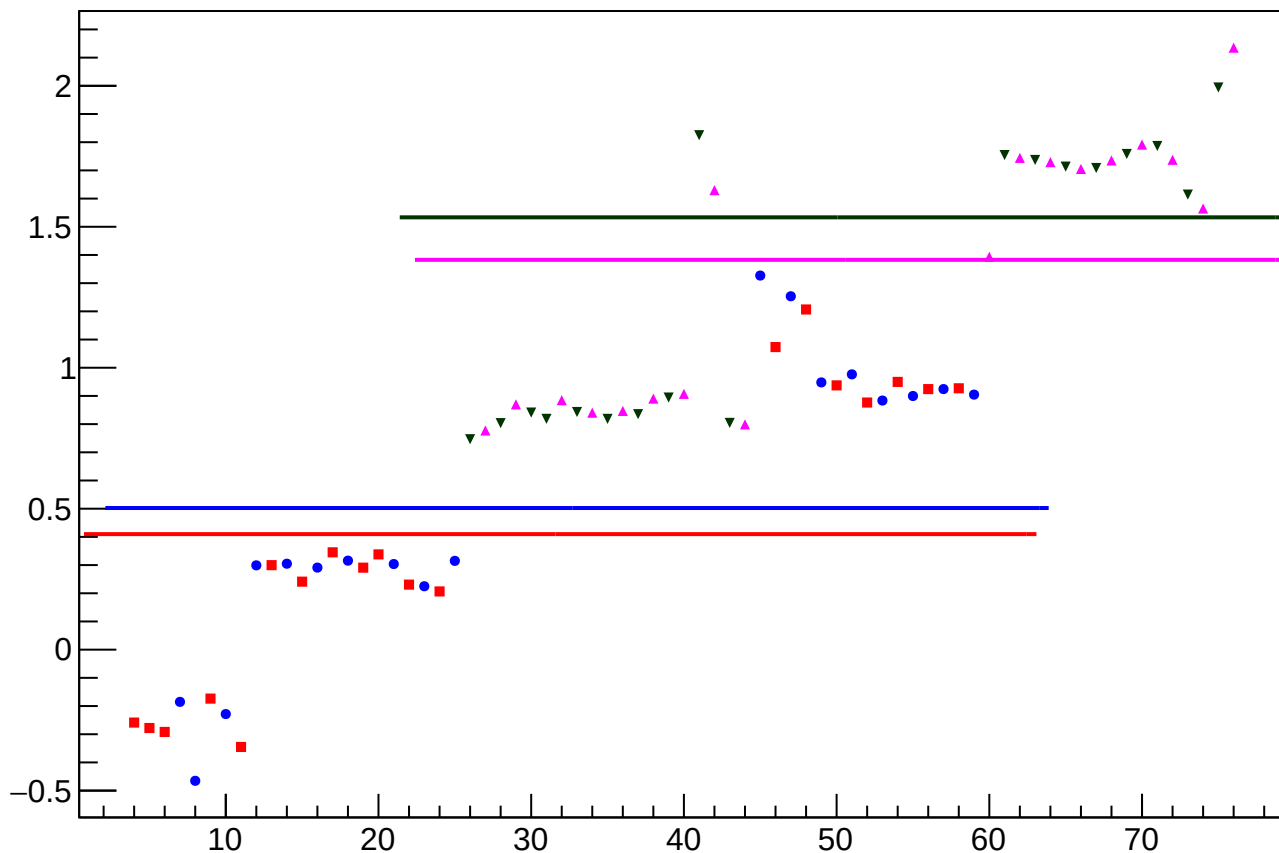
Right Out: 0.021+/-0.000 χ^2/NDF : 62886.6/18

Left In: 0.012+/-0.000 χ^2/NDF : 4701415.3/17

0.009+/-0.000 χ^2/NDF : 18475026.7/35

0.015+/-0.000 χ^2/NDF : 7403525.3/36

yield_bpm0l02Y_mean vs slug



Right In: 0.502 $\pm$ 0.000 χ^2/NDF : 19155654908.3/17

Left Out: 1.533 $\pm$ 0.000 χ^2/NDF : 23253506961.4/17

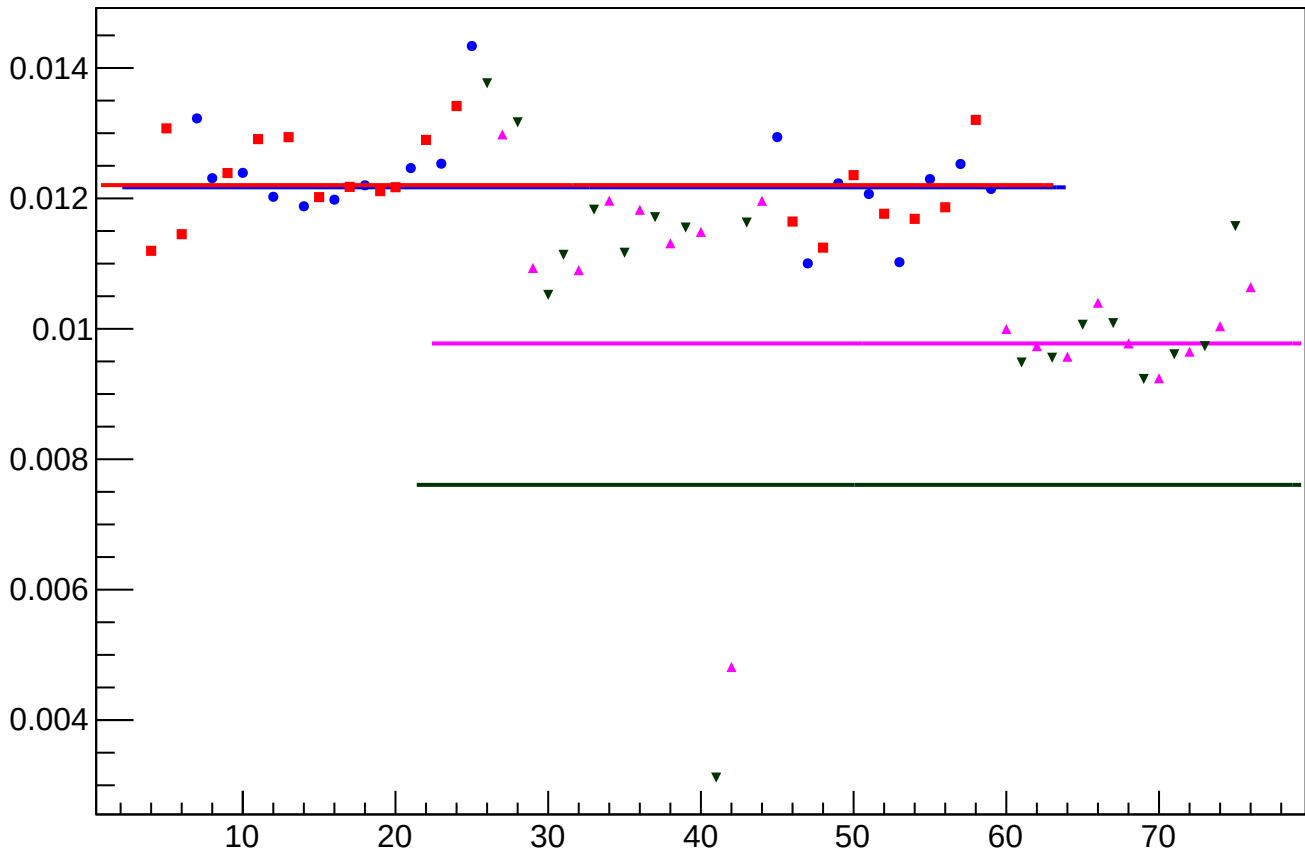
Right Out: 0.410 $\pm$ 0.000 χ^2/NDF : 16439315084.0/18

Left In: 1.383 $\pm$ 0.000 χ^2/NDF : 18426533512.8/17

1.151 $\pm$ 0.000 χ^2/NDF : 91856865284.4/35

0.998 $\pm$ 0.000 χ^2/NDF : 71810160435.0/36

yield_bpm0l02Y_rms vs slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 45604.3/17

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:3679348.4/17

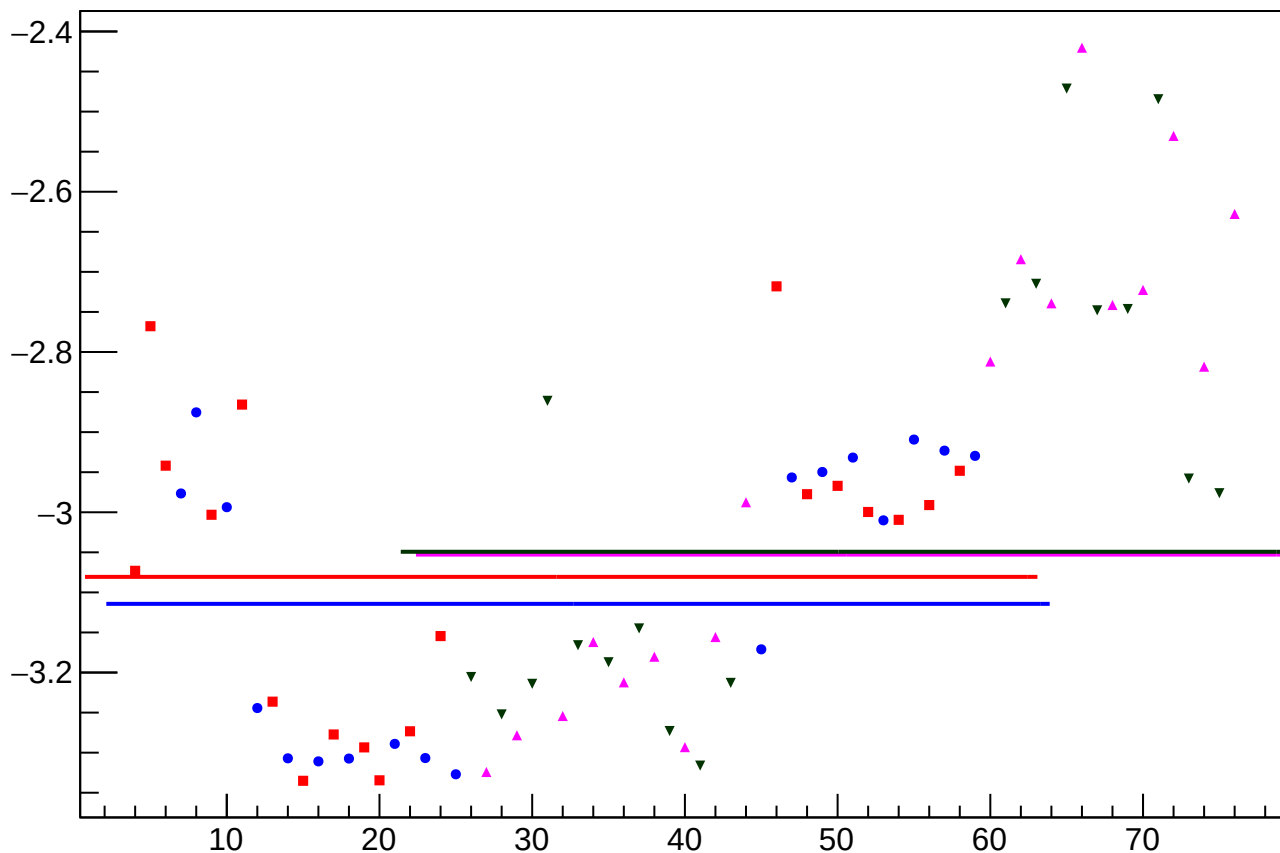
0.009 $\pm$ 0.000 χ^2 /NDF: 5661537.4/35

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 53181.0/18

0.011 $\pm$ 0.000 χ^2 /NDF: 1509822.8/36

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:996434.3/17

yield_bpm0l03X_mean vs slug



Right In: -3.114+/-0.000 χ^2/NDF : 4627659924.1/17

Left Out: -3.049+/-0.000 χ^2/NDF : 10275955625.4/17

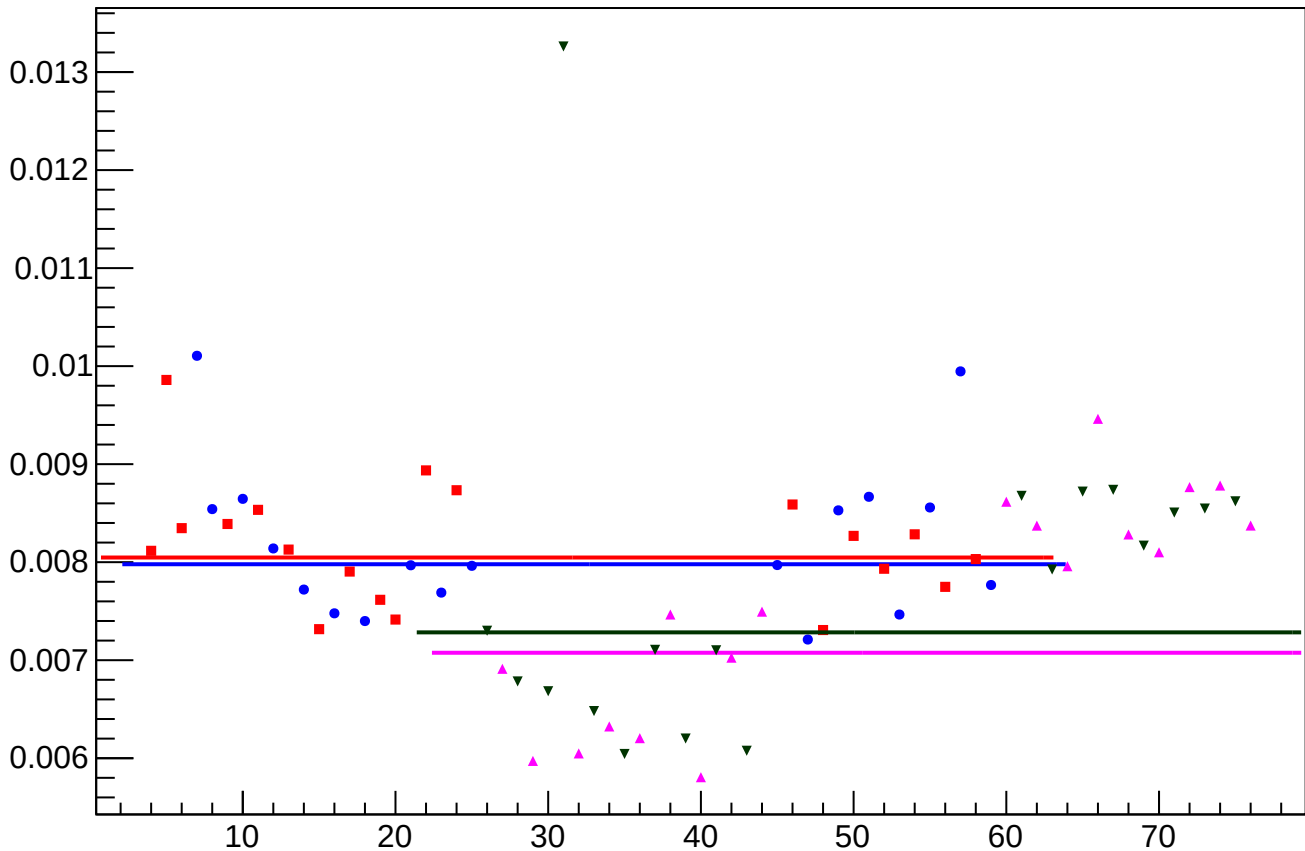
Right Out: -3.081+/-0.000 χ^2/NDF : 3839311184.0/18

Left In: -3.053+/-0.000 χ^2/NDF : 13098373448.4/17

-3.082+/-0.000 χ^2/NDF : 15222219834.4/35

-3.065+/-0.000 χ^2/NDF : 16995389132.6/36

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 : 400772.2/17

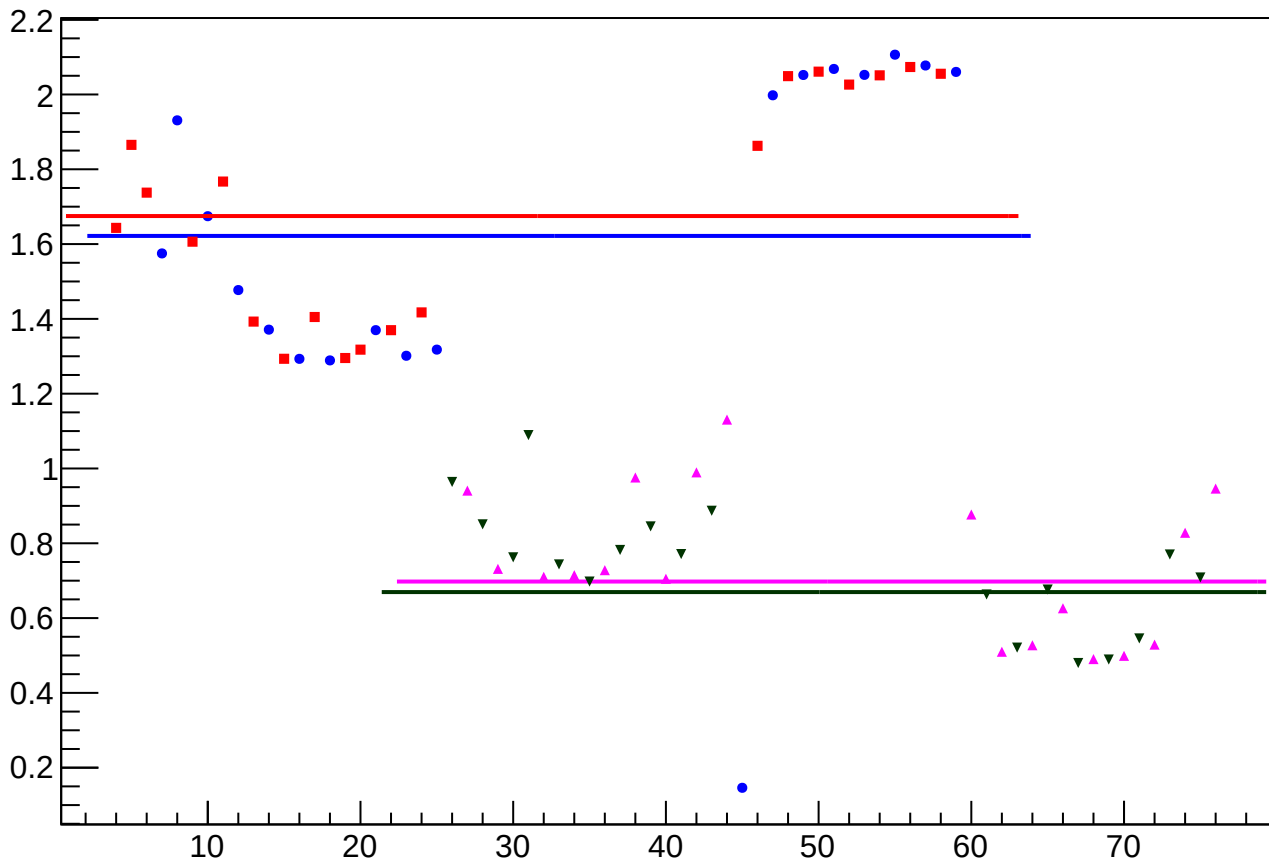
Right Out: 0.008+/-0.000 χ^2/NDF : 57509.8/18

Left In: 0.007+/-0.000 χ^2/NDF : 421251.1/17

0.008+/-0.000 χ^2/NDF : 568881.1/35

0.007+/-0.000 χ^2/NDF : 619709.7/36

yield_bpm0l03Y_mean vs slug



Right In: 1.622 ± 0.000 χ^2/NDF : 26006902897.9/17

Left Out: 0.670 ± 0.000 χ^2/NDF : 3050853312.0/17

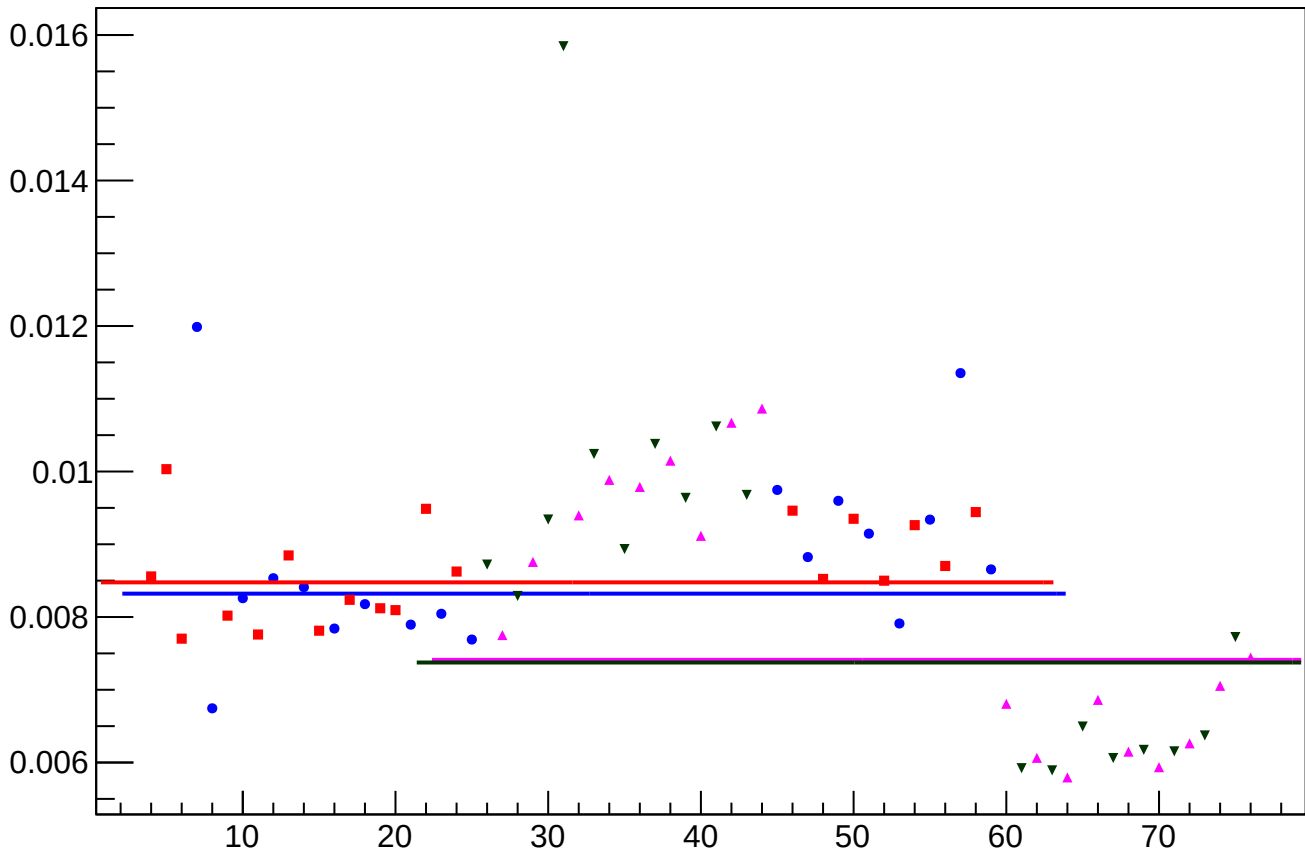
1.135 ± 0.000 χ^2/NDF : 91702274868.3/35

Right Out: 1.675 ± 0.000 χ^2/NDF : 9809193440.2/18

1.109 ± 0.000 χ^2/NDF : 78098087164.4/36

Left In: 0.698 ± 0.000 χ^2/NDF : 5309698708.7/17

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 : 867634.5/17

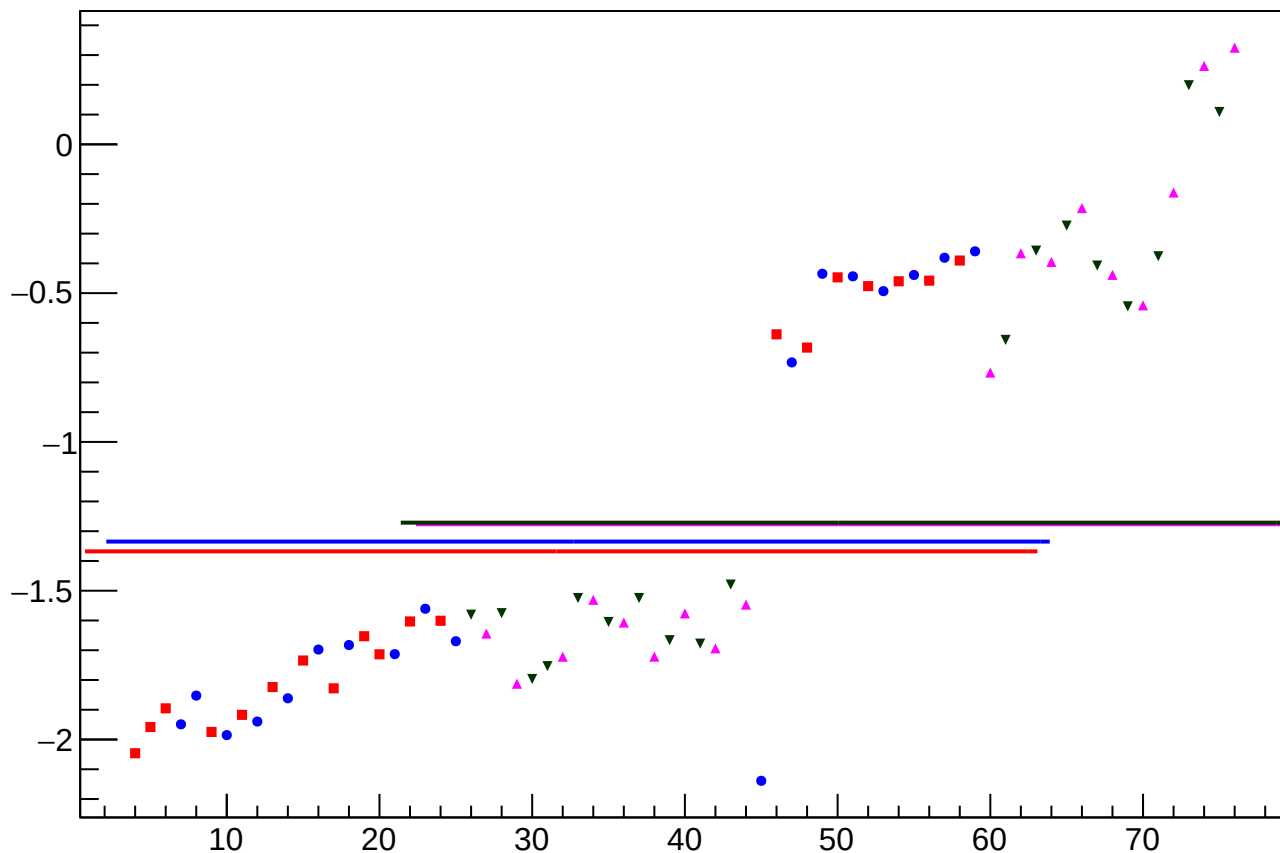
Right Out: 0.008+/-0.000 χ^2/NDF : 80155.6/18

Left In: 0.007+/-0.000 χ^2/NDF : 734486.6/17

0.008+/-0.000 χ^2/NDF : 1222702.3/35

0.008+/-0.000 χ^2/NDF : 964343.6/36

yield_bpm0l04X_mean vs slug



Right In: -1.335+/-0.000 χ^2/NDF : 38397269291.9/17

Left Out: -1.271+/-0.000 χ^2/NDF : 17847260212.1/17

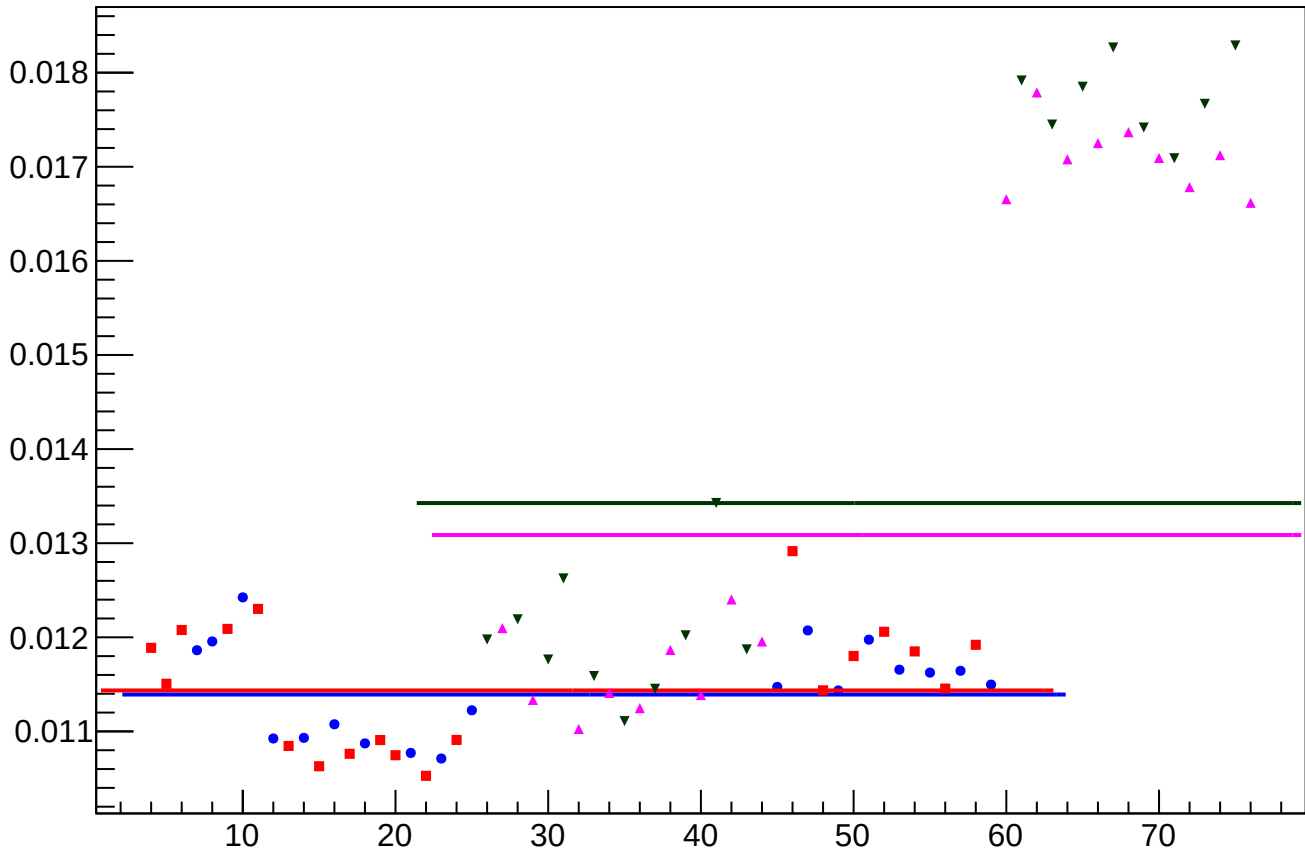
Right Out: -1.368+/-0.000 χ^2/NDF : 29057521992.7/18

Left In: -1.277+/-0.000 χ^2/NDF : 25230768394.3/17

-1.312+/-0.000 χ^2/NDF : 56371046318.8/35

-1.328+/-0.000 χ^2/NDF : 54558144547.2/36

yield_bpm0l04X_rms vs slug



Right In: 0.011+/-0.000 χ^2/NDF : 41989.4/17

Left Out: 0.013+/-0.000 χ^2/NDF : 656412.5/17

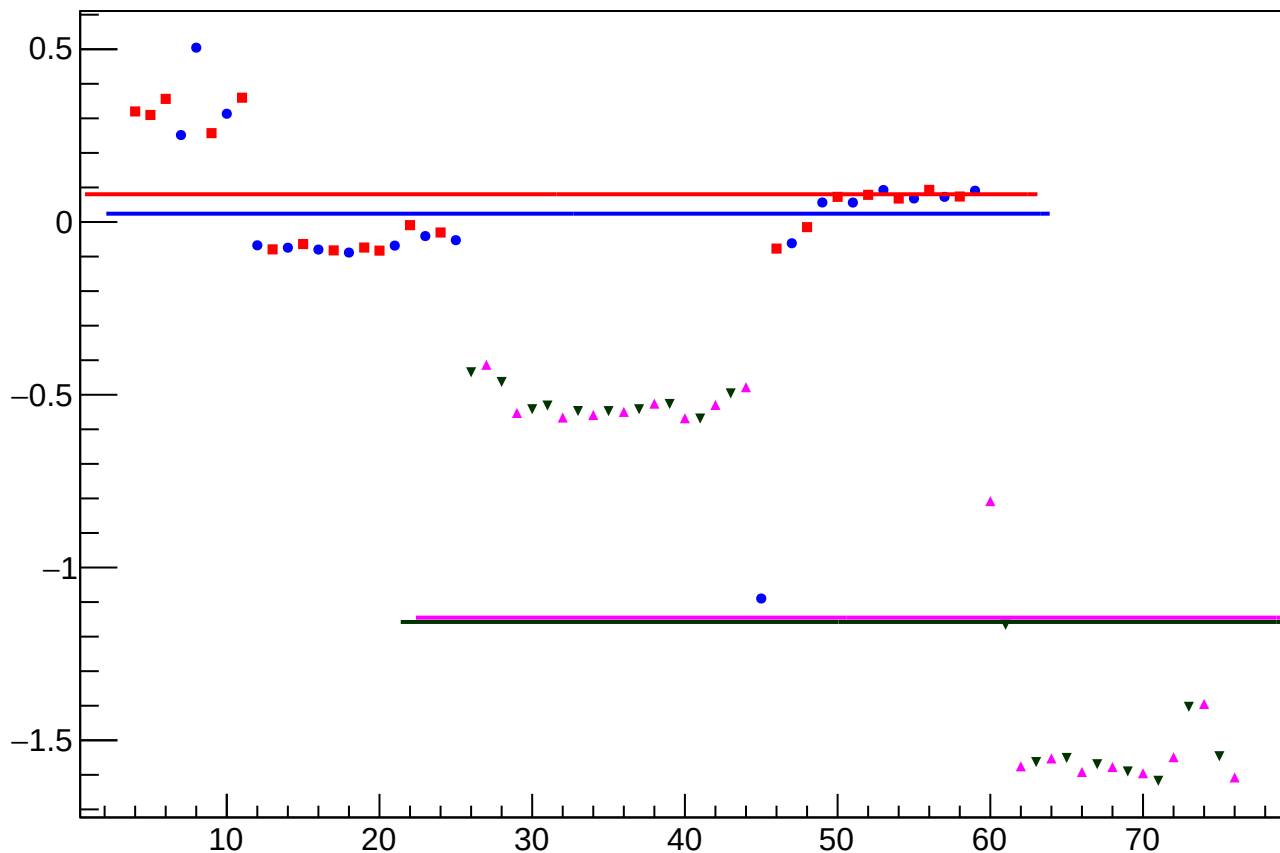
0.012+/-0.000 χ^2/NDF : 957349.4/35

Right Out: 0.011+/-0.000 χ^2/NDF : 65676.1/18

0.012+/-0.000 χ^2/NDF : 952774.2/36

Left In: 0.013+/-0.000 χ^2/NDF : 709809.6/17

yield_bpm0l04Y_mean vs slug



Right In: 0.024+/-0.000 χ^2/NDF : 18234538167.9/17

Left Out: -1.158+/-0.000 χ^2/NDF : 52685962180.1/17

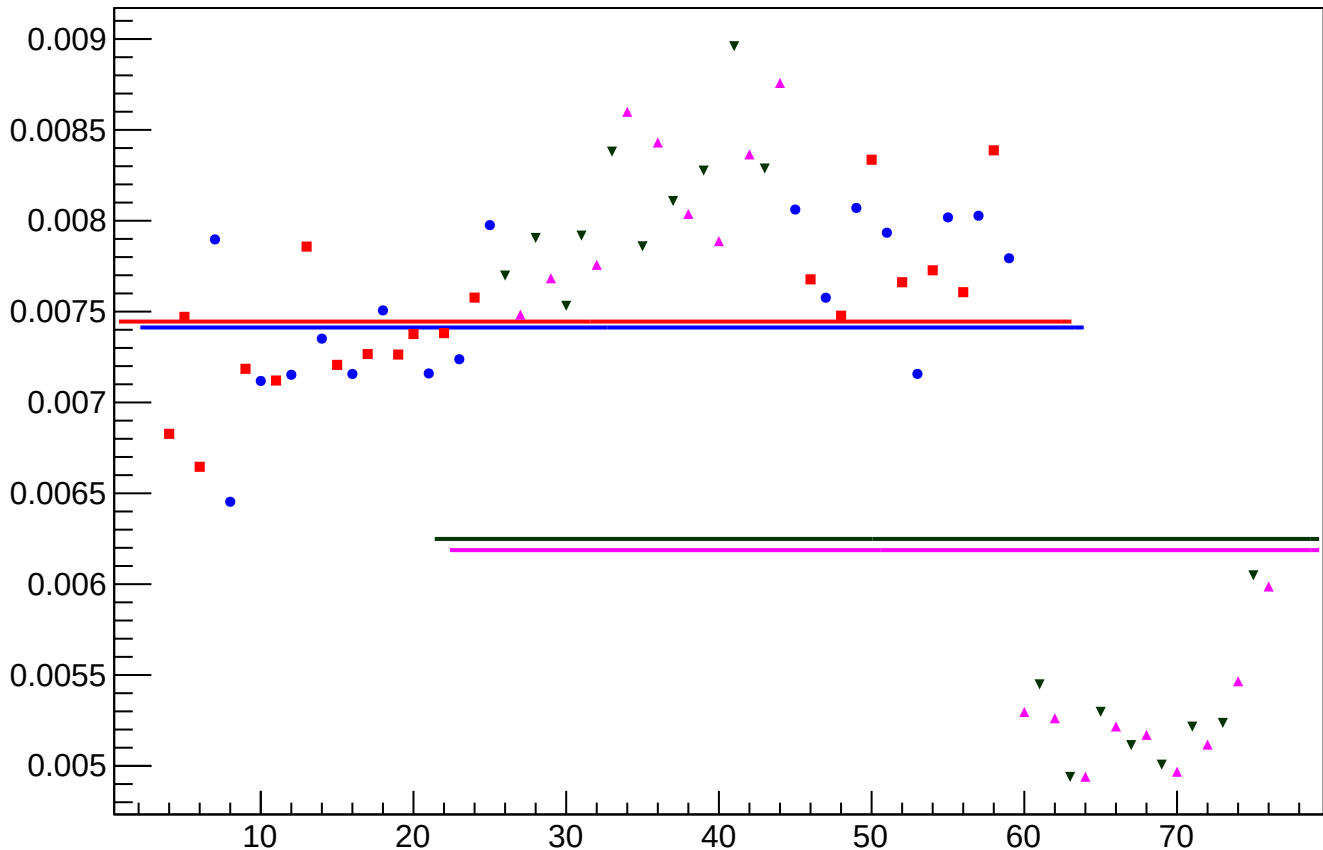
Right Out: 0.080+/-0.000 χ^2/NDF : 4561023053.2/18

Left In: -1.145+/-0.000 χ^2/NDF : 61133869613.3/17

-0.598+/-0.000 χ^2/NDF : 216766715445.4/35

-0.645+/-0.000 χ^2/NDF : 219196345320.1/36

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 : 857763.9/17

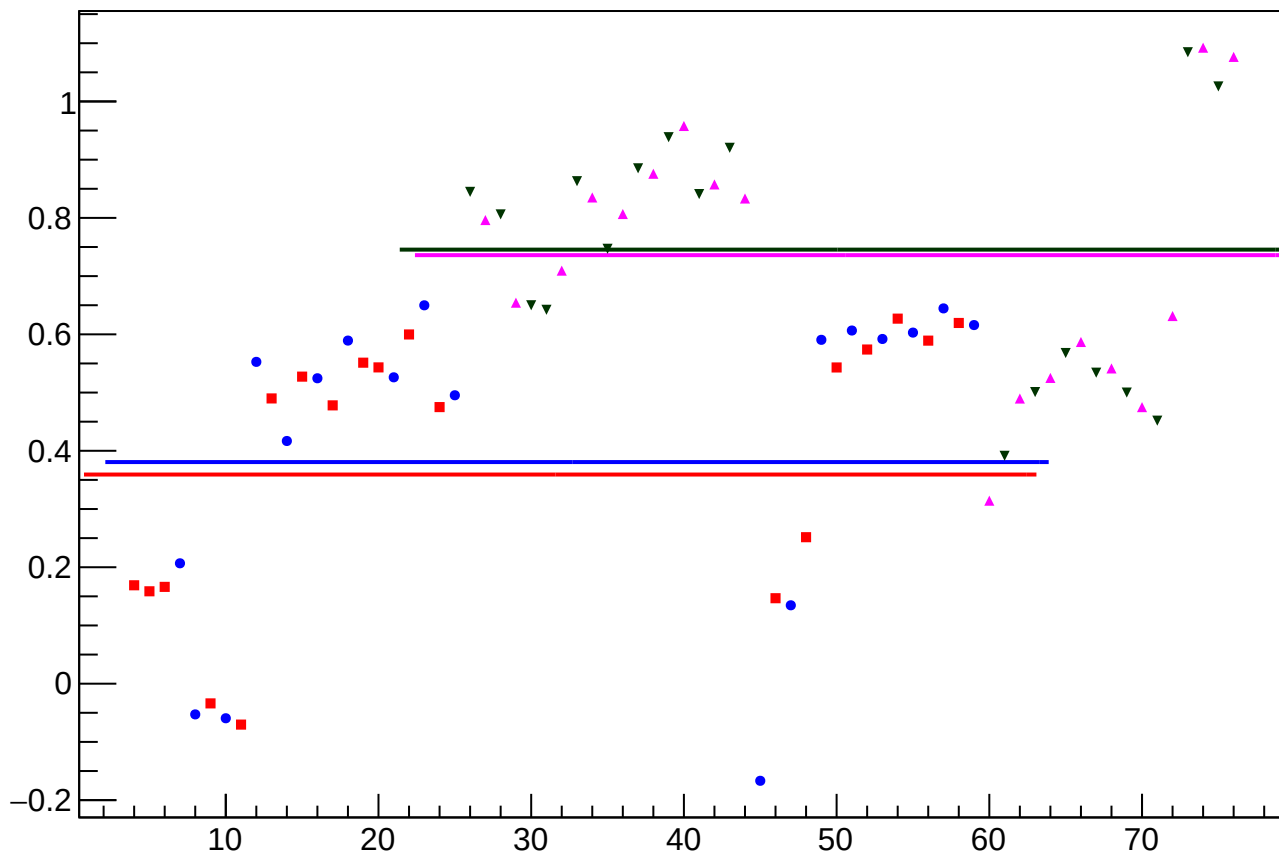
Right Out: 0.007+/-0.000 χ^2/NDF : 61122.7/18

Left In: 0.006+/-0.000 χ^2/NDF : 903817.1/17

0.007+/-0.000 χ^2/NDF : 1231727.8/35

0.007+/-0.000 χ^2/NDF : 1288433.5/36

yield_bpm0l05X_mean vs slug



Right In: 0.381+/-0.000 χ^2/NDF : 17766233664.3/17

Left Out: 0.746+/-0.000 χ^2/NDF : 6840311165.9/17

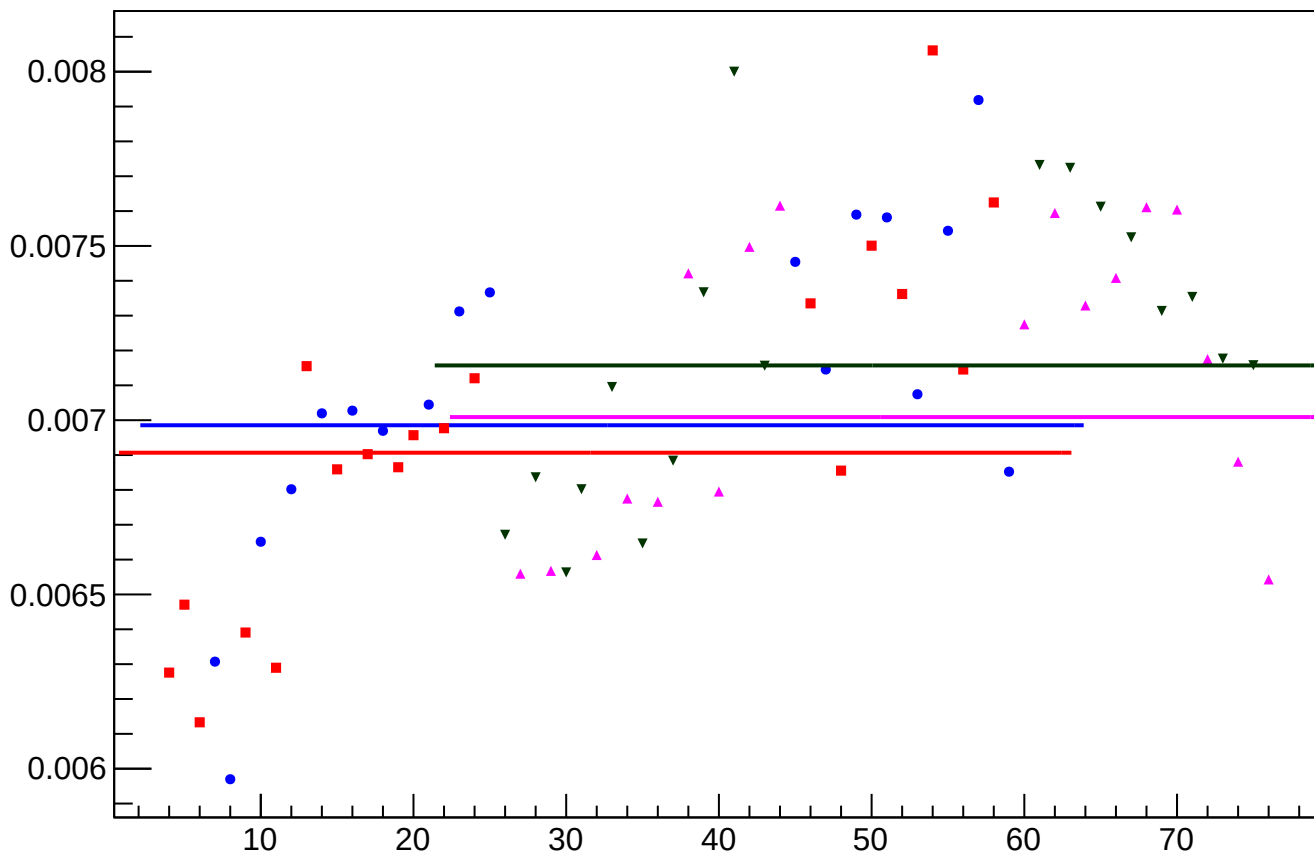
0.542+/-0.000 χ^2/NDF : 37862661391.4/35

Right Out: 0.359+/-0.000 χ^2/NDF : 11904326957.3/18

0.549+/-0.000 χ^2/NDF : 34460177940.1/36

Left In: 0.736+/-0.000 χ^2/NDF : 8077904762.0/17

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 : 57498.3/17

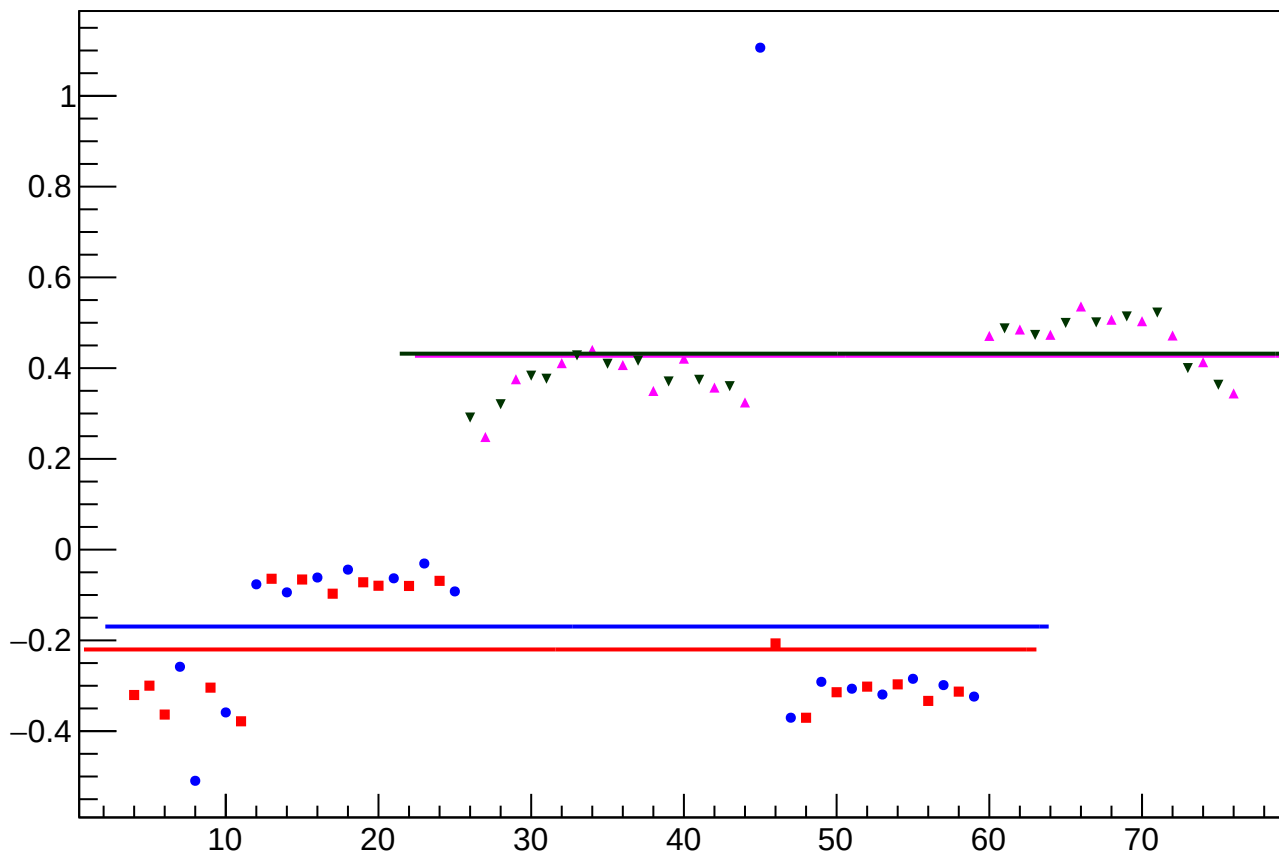
Right Out: 0.007+/-0.000 χ^2/NDF : 97555.6/18

Left In: 0.007+/-0.000 χ^2/NDF : 70319.4/17

0.007+/-0.000 χ^2/NDF : 170522.6/35

0.007+/-0.000 χ^2/NDF : 170007.9/36

yield_bpm0l05Y_mean vs slug



Right In: -0.169+/-0.000 χ^2/NDF : 37135565875.9/17

Left Out: 0.432+/-0.000 χ^2/NDF :1780306596.2/17

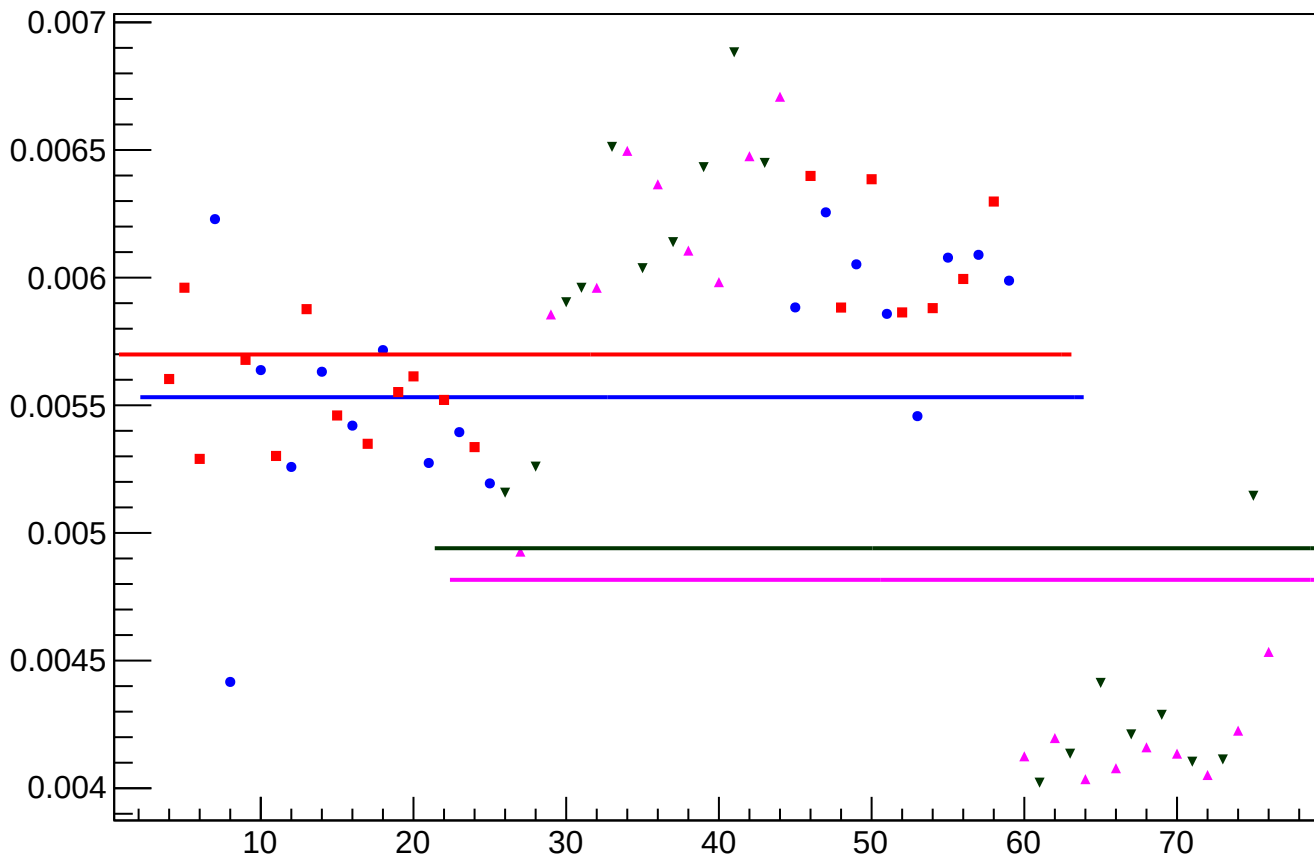
0.132+/-0.000 χ^2/NDF : 102907755041.9/35

Right Out: -0.220+/-0.000 χ^2/NDF : 4721801975.9/18

0.159+/-0.000 χ^2/NDF : 79247289747.1/36

Left In: 0.427+/-0.000 χ^2/NDF :2598303228.3/17

yield_bpm0l05Y_rms vs slug



Right In: 0.006+/-0.000 χ^2/NDF : 186989.4/17

Left Out: 0.005+/-0.000 χ^2/NDF : 624995.4/17

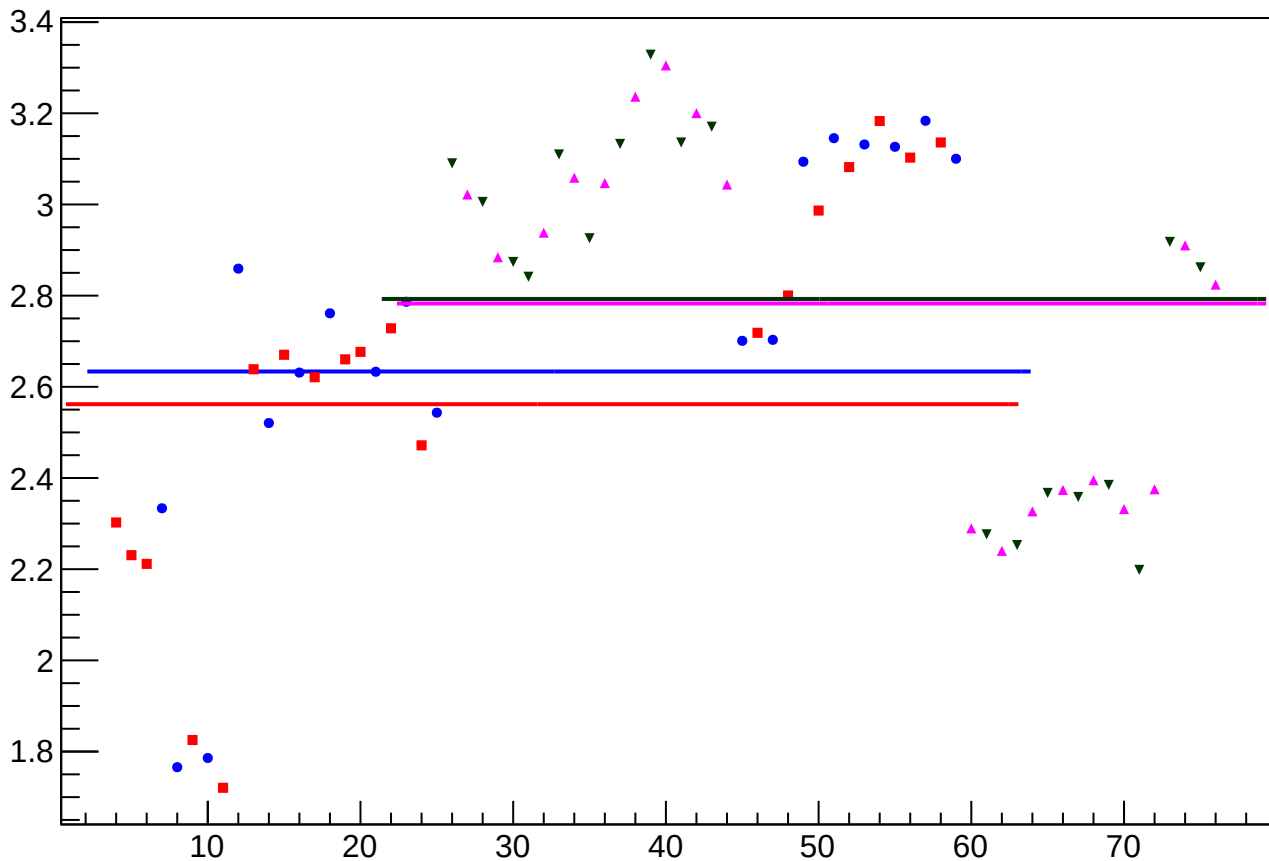
Right Out: 0.006+/-0.000 χ^2/NDF : 66415.4/18

Left In: 0.005+/-0.000 χ^2/NDF : 695684.7/17

0.005+/-0.000 χ^2/NDF : 935846.5/35

0.005+/-0.000 χ^2/NDF : 1029634.3/36

yield_bpm0l06X_mean vs slug



Right In: 2.634+/-0.000 χ^2/NDF : 15879791998.3/17

Left Out: 2.793+/-0.000 χ^2/NDF : 12874617873.9/17

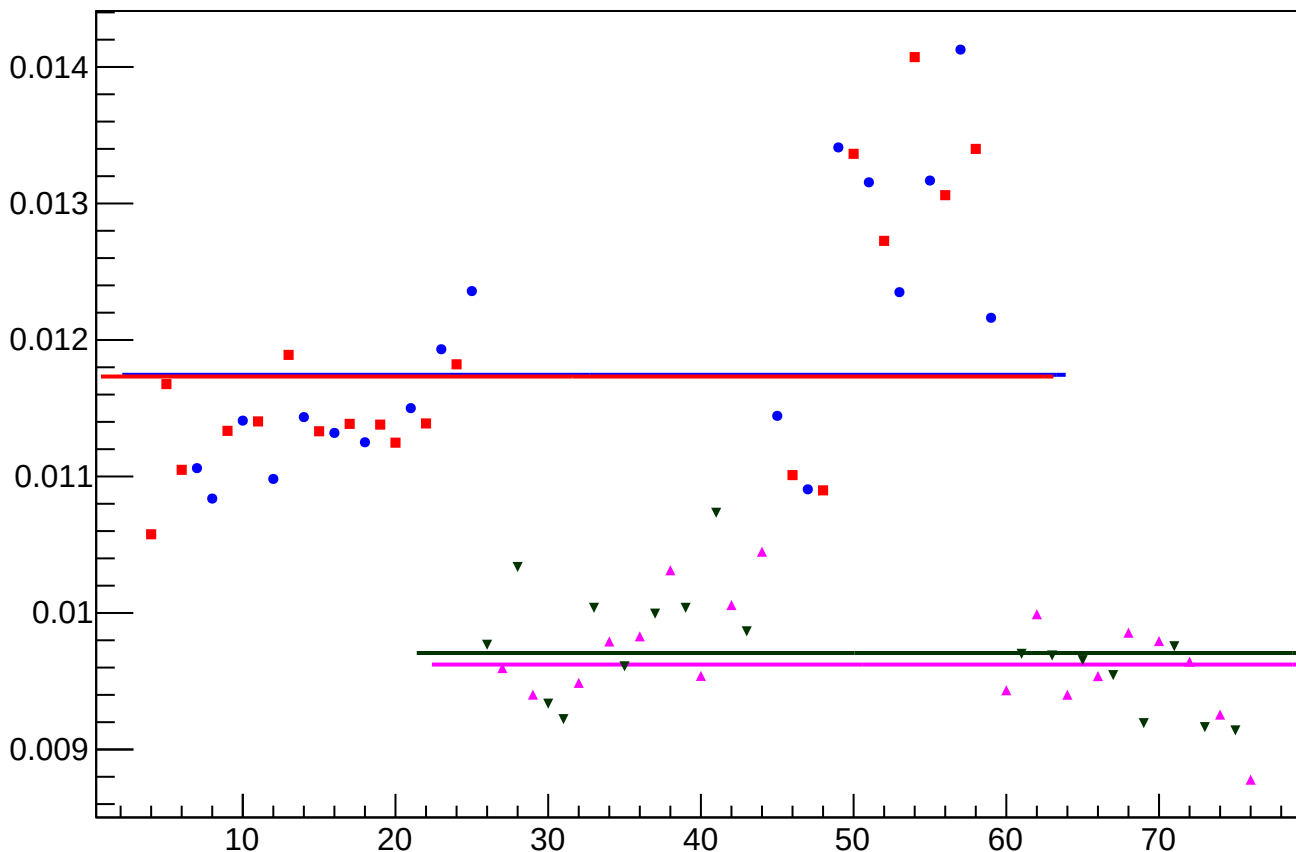
2.721+/-0.000 χ^2/NDF : 29861881951.2/35

Right Out: 2.562+/-0.000 χ^2/NDF : 12349960173.0/18

2.696+/-0.000 χ^2/NDF : 27362089302.4/36

Left In: 2.783+/-0.000 χ^2/NDF : 12938844841.2/17

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:33589.3/17

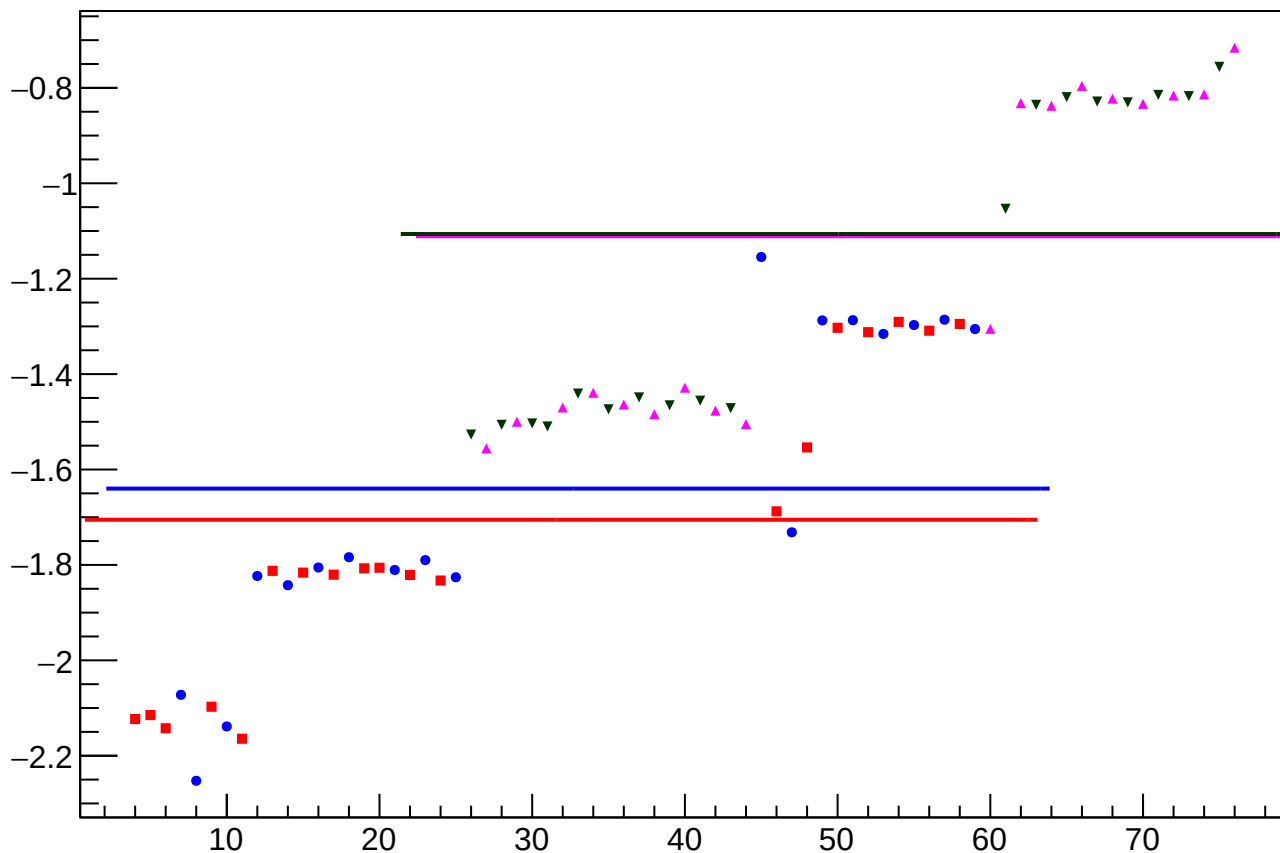
Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 107336.5/18

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:30121.1/17

0.011 $\pm$ 0.000 χ^2 /NDF: 514349.6/35

0.010 $\pm$ 0.000 χ^2 /NDF: 516012.7/36

yield_bpm0l06Y_mean vs slug



Right In: -1.640+/-0.000 χ^2/NDF : 63862011114.5/17

Left Out: -1.106+/-0.000 χ^2/NDF : 43812311937.3/17

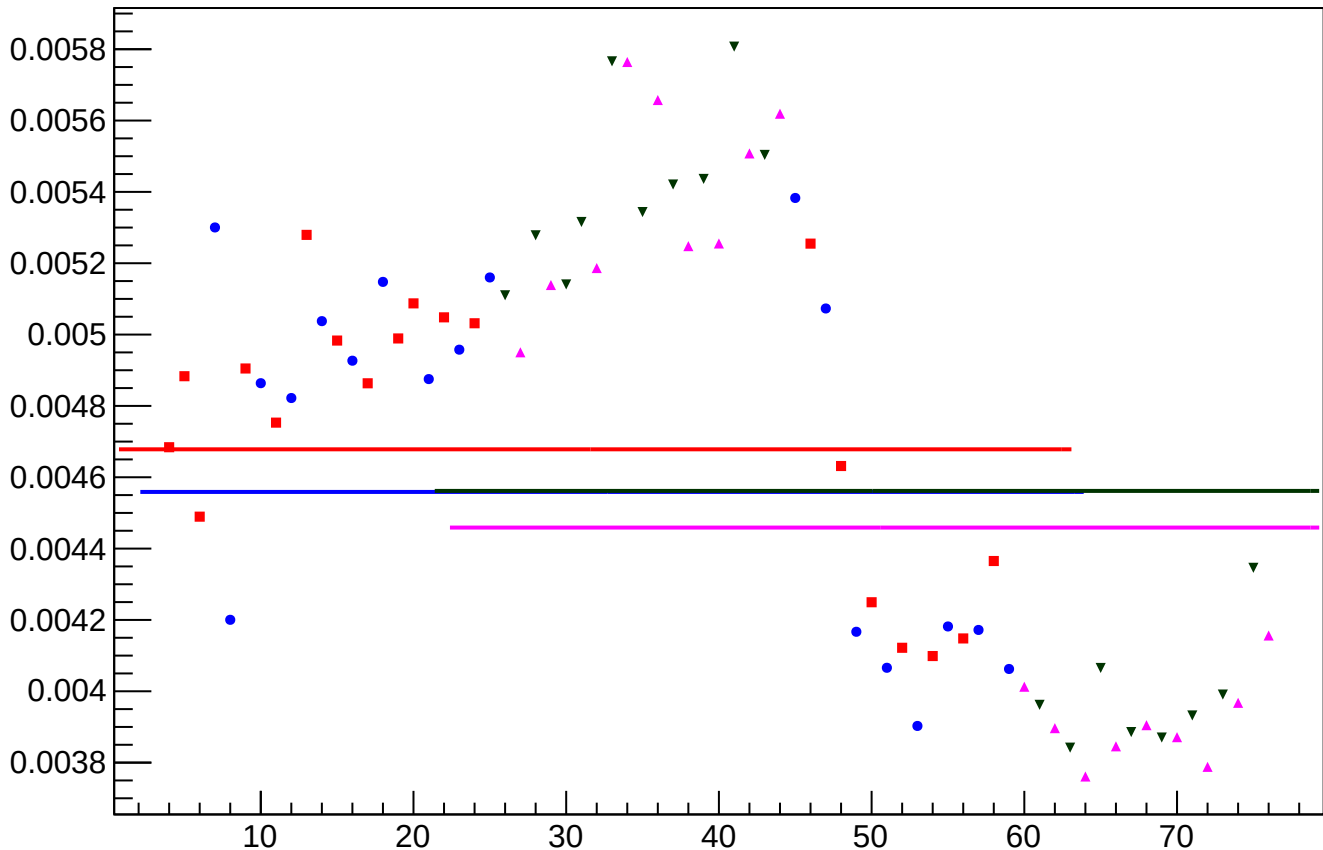
Right Out: -1.705+/-0.000 χ^2/NDF : 45414052250.2/18

Left In: -1.111+/-0.000 χ^2/NDF : 53956729077.5/17

-1.400+/-0.000 χ^2/NDF : 174484400910.3/35

-1.390+/-0.000 χ^2/NDF : 181302619595.1/36

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 : 446460.1/17

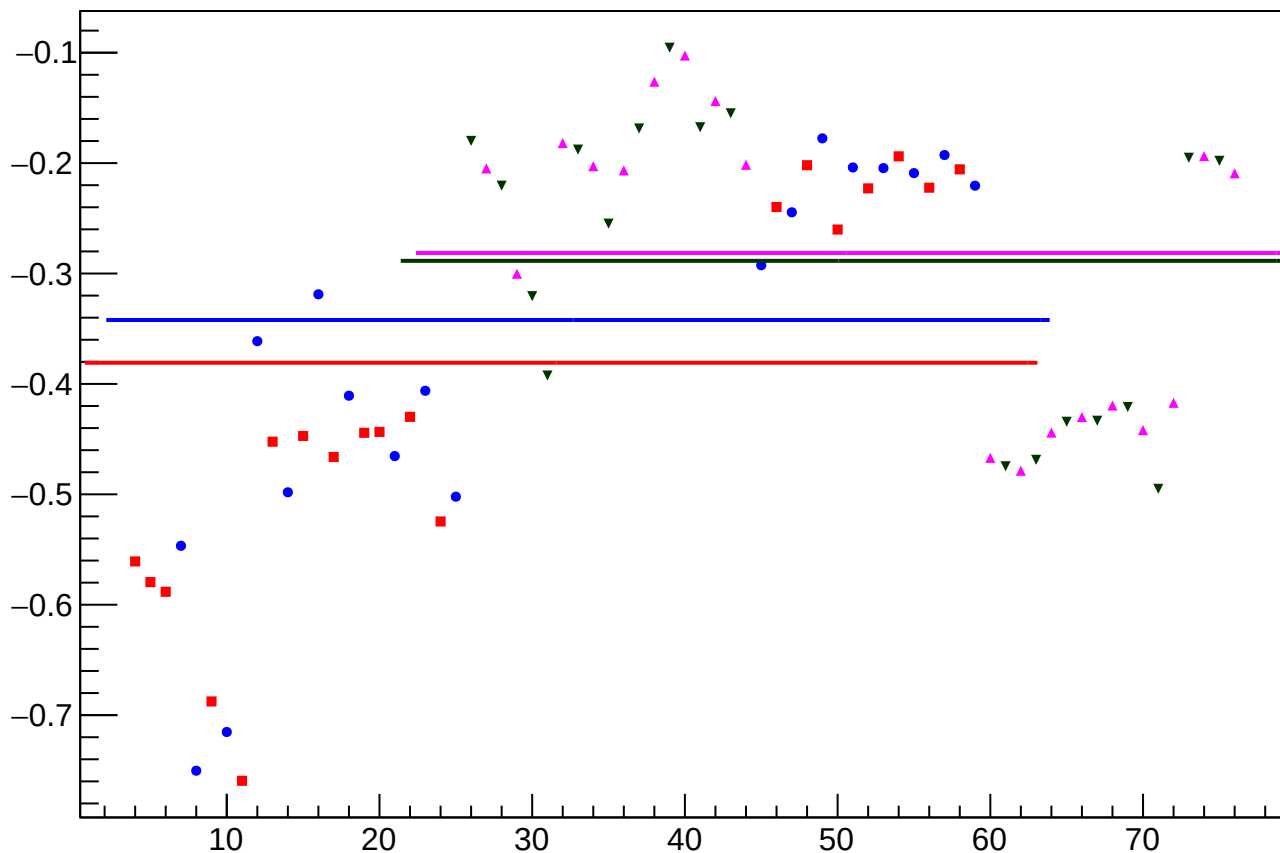
Right Out: 0.005+/-0.000 χ^2/NDF : 136426.0/18

Left In: 0.004+/-0.000 χ^2/NDF : 486785.9/17

0.005+/-0.000 χ^2/NDF : 675057.6/35

0.005+/-0.000 χ^2/NDF : 645536.1/36

yield_bpm0l07X_mean vs slug



Right In: -0.342+/-0.000 χ^2/NDF : 1669772673.5/17

Left Out: -0.289+/-0.000 χ^2/NDF : 733601673.8/17

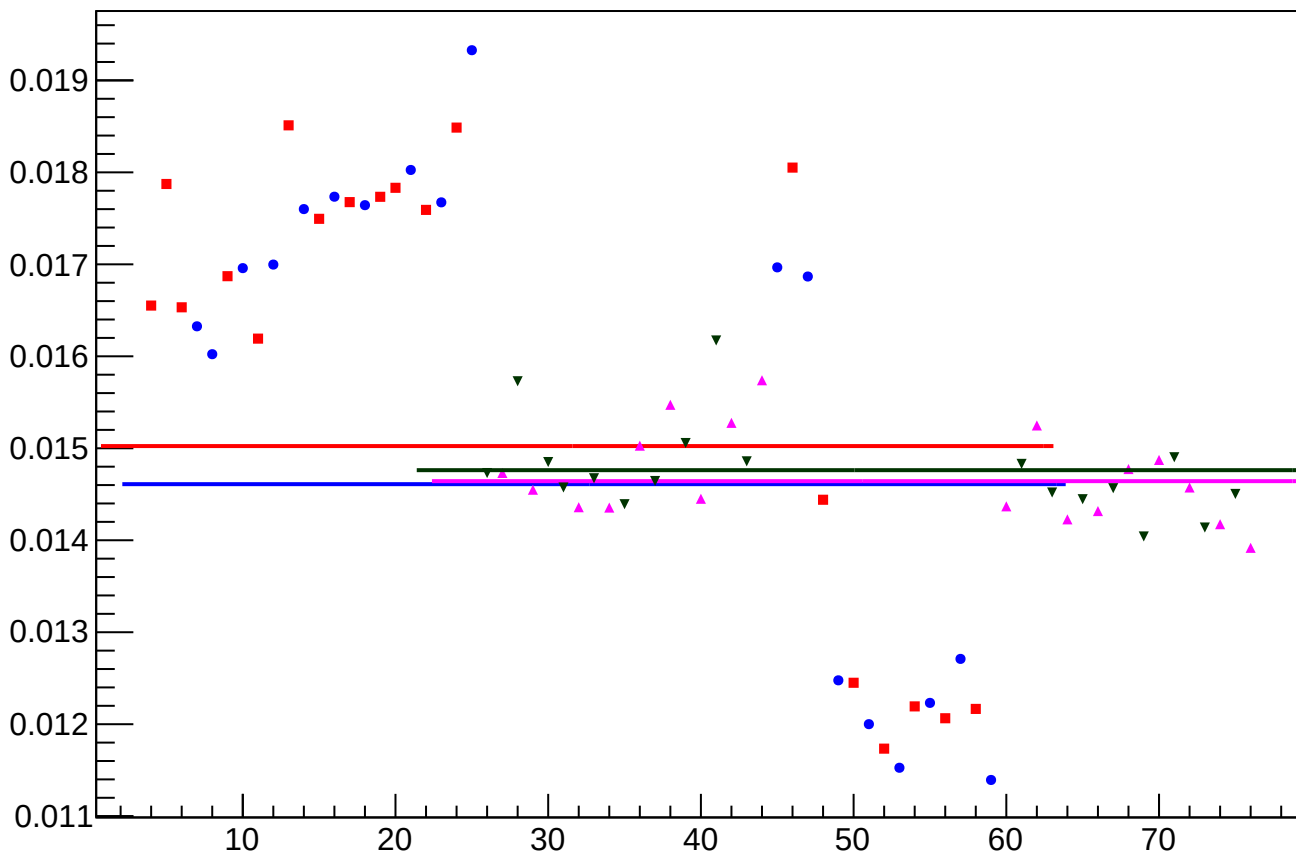
Right Out: -0.381+/-0.000 χ^2/NDF : 1387002500.9/18

Left In: -0.281+/-0.000 χ^2/NDF : 743679672.0/17

-0.317+/-0.000 χ^2/NDF : 2469451025.9/35

-0.328+/-0.000 χ^2/NDF : 2348986792.6/36

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 : 21503.9/17

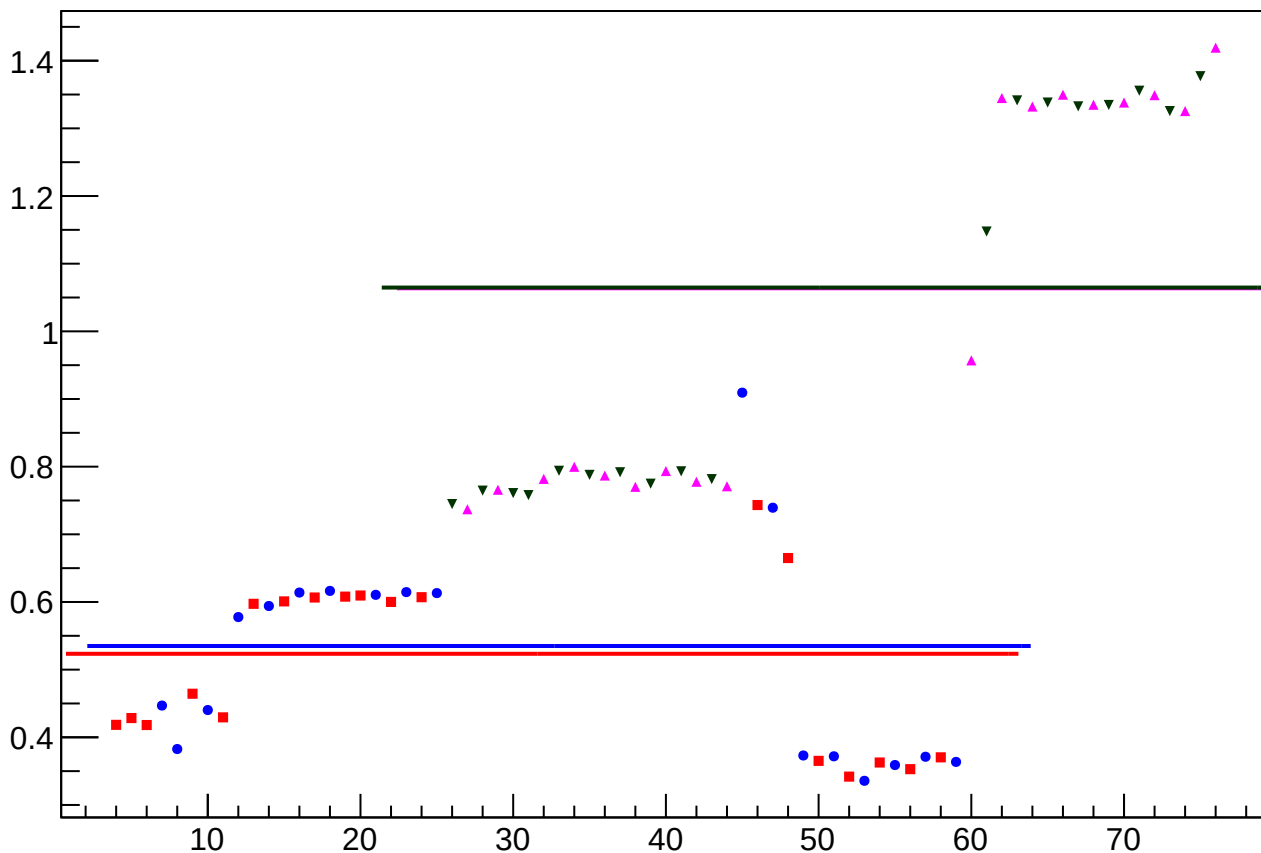
Right Out: 0.015+/-0.000 χ^2/NDF : 573783.3/18

Left In: 0.015+/-0.000 χ^2/NDF : 19568.8/17

0.015+/-0.000 χ^2/NDF : 734496.2/35

0.015+/-0.000 χ^2/NDF : 599781.8/36

yield_bpm0l07Y_mean vs slug



Right In: 0.535+/-0.000 χ^2/NDF : 21231144094.8/17

Left Out: 1.065+/-0.000 χ^2/NDF : 79034588143.0/17

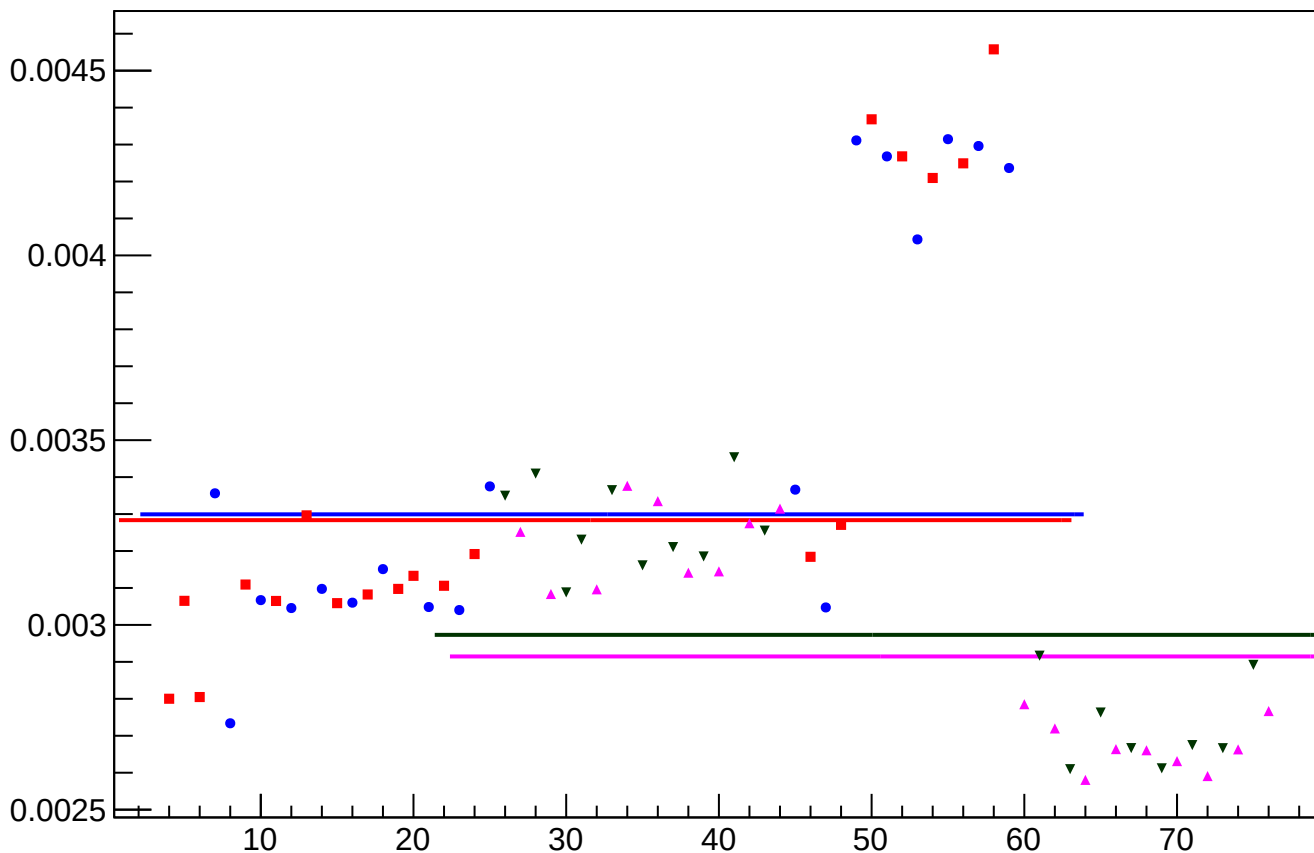
Right Out: 0.523+/-0.000 χ^2/NDF : 11523934099.1/18

Left In: 1.064+/-0.000 χ^2/NDF : 93555183952.3/17

0.805+/-0.000 χ^2/NDF : 241160861682.9/35

0.833+/-0.000 χ^2/NDF : 251709597037.0/36

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 :183125.7/17

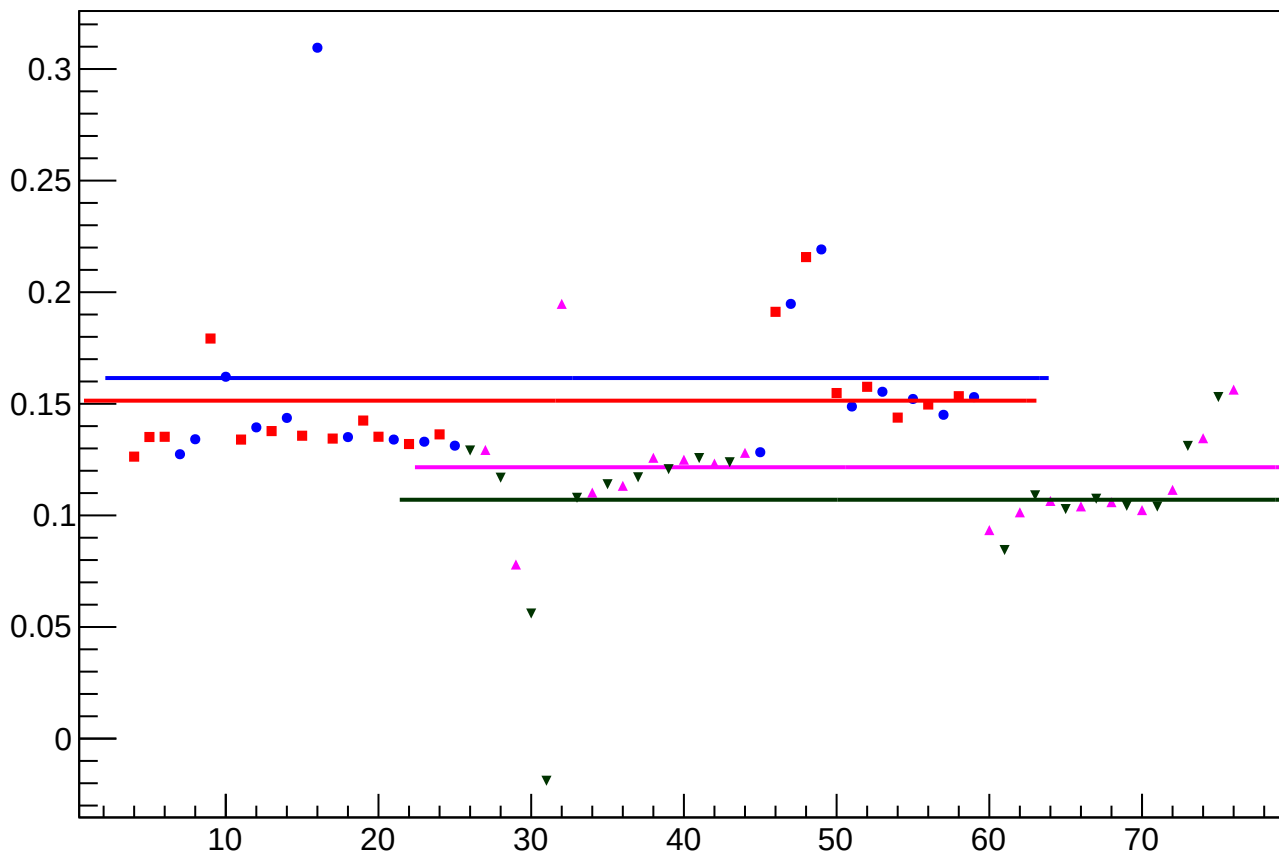
Right Out: 0.003+/-0.000 χ^2/NDF : 382277.8/18

Left In: 0.003+/-0.000 χ^2/NDF :181591.0/17

0.003+/-0.000 χ^2/NDF : 787518.1/35

0.003+/-0.000 χ^2/NDF : 700636.1/36

yield_bpm0l08X_mean vs slug



Right In: 0.162 $\pm$ 0.000 χ^2 /NDF: 94764439.1/17

Left Out: 0.107 $\pm$ 0.000 χ^2 /NDF: 51375444.4/17

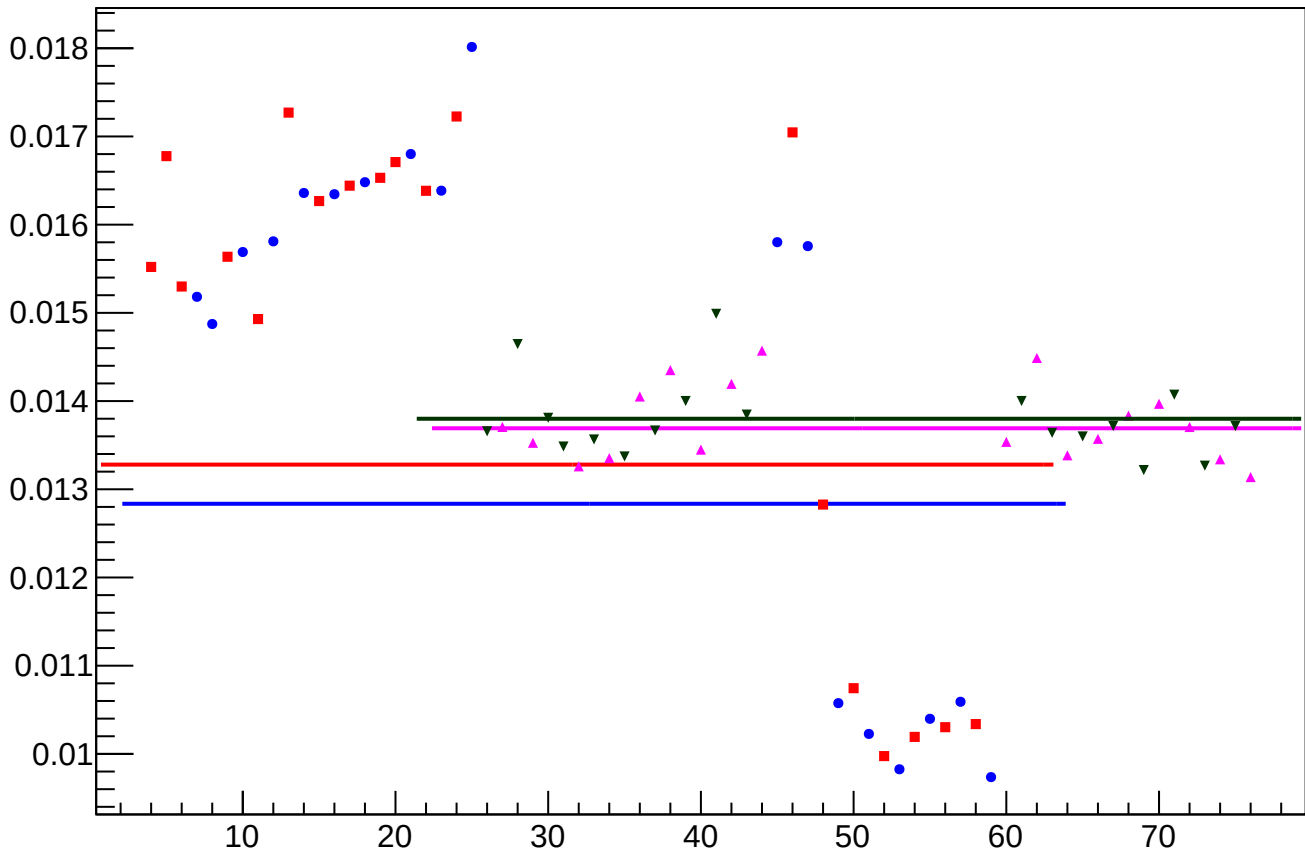
Right Out: 0.151 $\pm$ 0.000 χ^2 /NDF: 22463584.0/18

Left In: 0.122 $\pm$ 0.000 χ^2 /NDF: 47463557.5/17

0.138 $\pm$ 0.000 χ^2 /NDF: 228162859.4/35

0.136 $\pm$ 0.000 χ^2 /NDF: 93482902.4/36

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 :18783.0/17

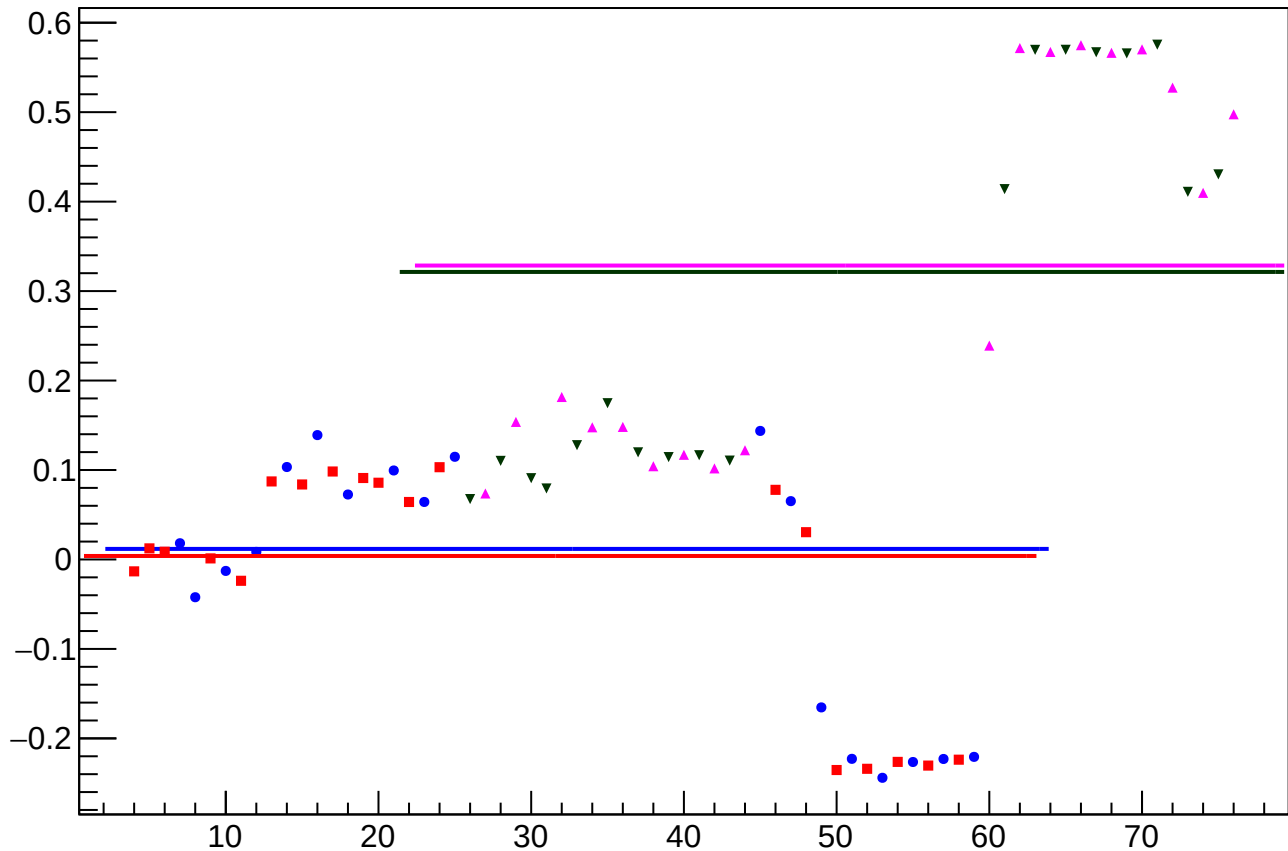
Right Out: 0.013+/-0.000 χ^2/NDF : 890007.3/18

Left In: 0.014+/-0.000 χ^2/NDF :17748.6/17

0.013+/-0.000 χ^2/NDF : 1158294.5/35

0.013+/-0.000 χ^2/NDF : 916738.6/36

yield_bpm0l08Y_mean vs slug



Right In: 0.012+/-0.000 χ^2/NDF : 12179192870.2/17

Left Out: 0.321+/-0.000 χ^2/NDF : 43756579614.1/17

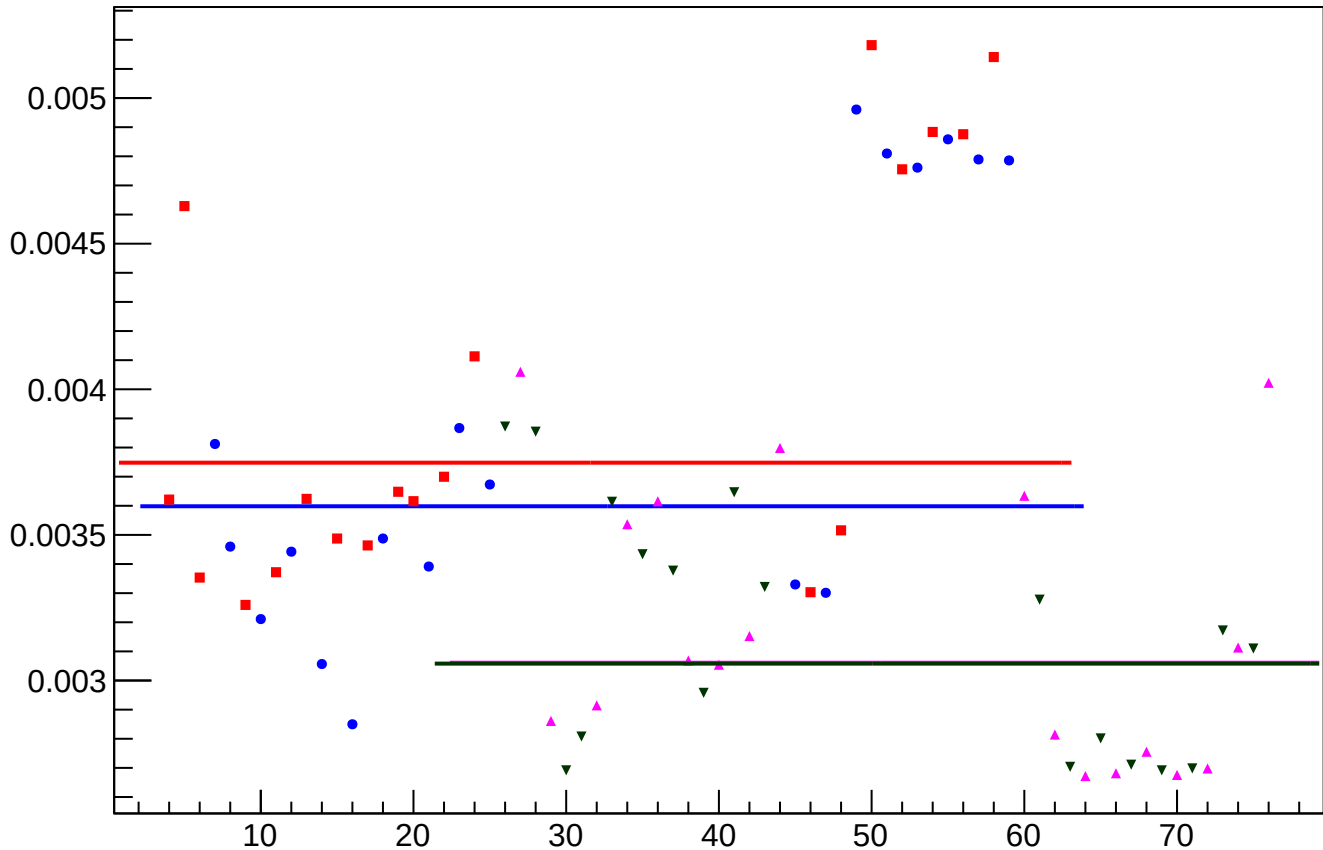
Right Out: 0.004+/-0.000 χ^2/NDF : 7924148421.7/18

Left In: 0.329+/-0.000 χ^2/NDF : 43919594800.8/17

0.179+/-0.000 χ^2/NDF : 97714215335.1/35

0.203+/-0.000 χ^2/NDF : 94116146194.4/36

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:286209.3/17

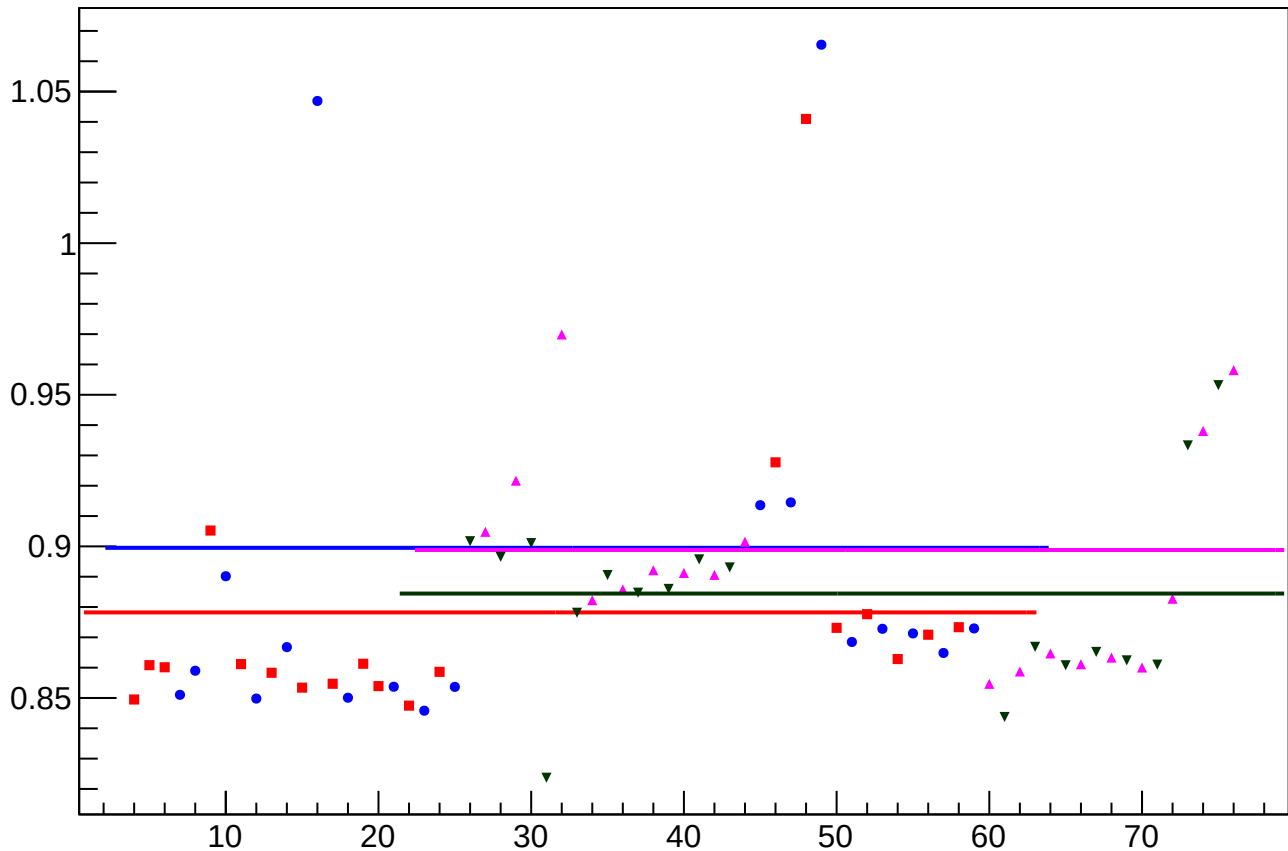
Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 427283.7/18

Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:376313.1/17

0.003 $\pm$ 0.000 χ^2 /NDF: 1213628.6/35

0.003 $\pm$ 0.000 χ^2 /NDF: 1182101.3/36

yield_bpm0l09X_mean vs slug



Right In: 0.900 $\pm$ 0.000 χ^2 /NDF: 324904340.4/17

Left Out: 0.884 $\pm$ 0.000 χ^2 /NDF:39391694.6/17

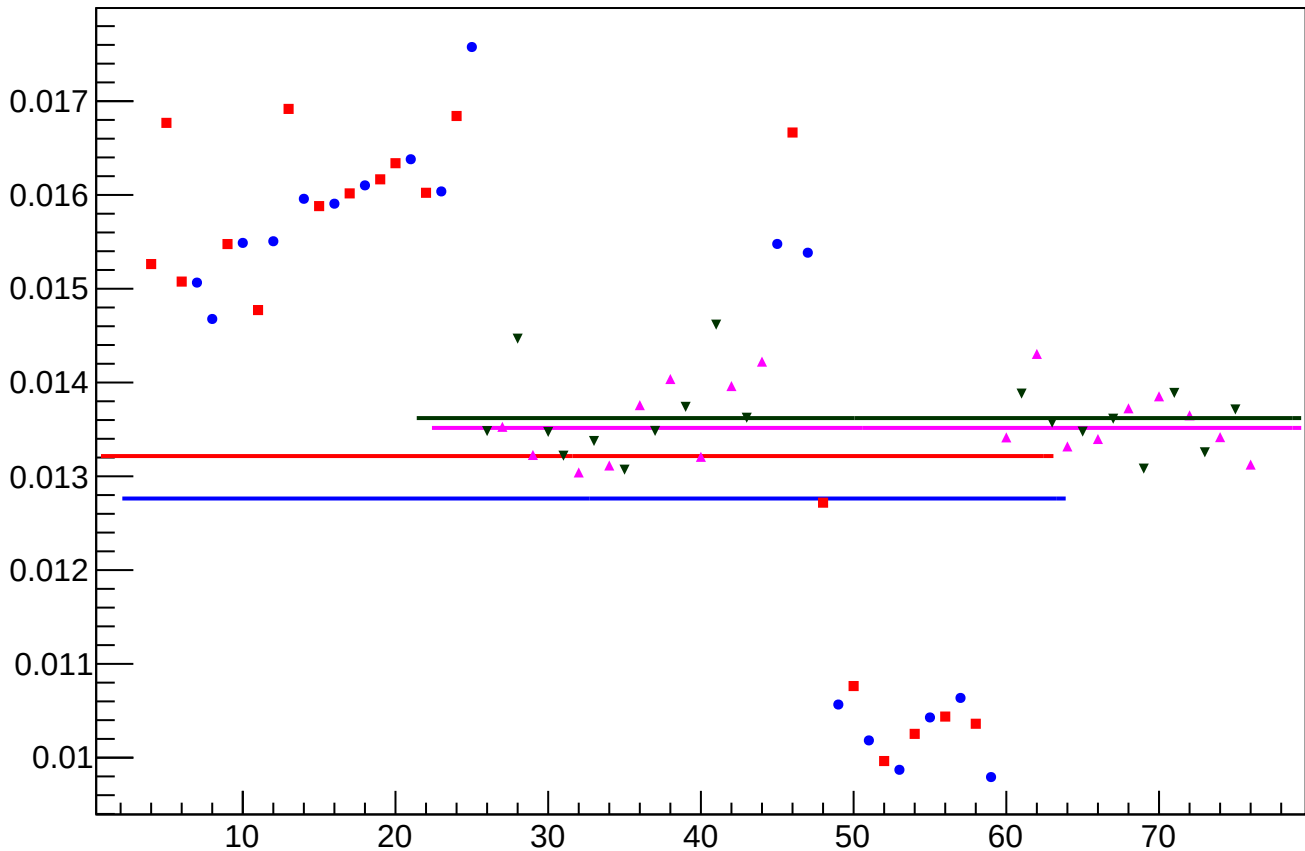
Right Out: 0.878 $\pm$ 0.000 χ^2 /NDF: 92356263.0/18

Left In: 0.899 $\pm$ 0.000 χ^2 /NDF:70991677.5/17

0.893 $\pm$ 0.000 χ^2 /NDF: 370703701.3/35

0.889 $\pm$ 0.000 χ^2 /NDF: 174768737.7/36

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 : 16776.6/17

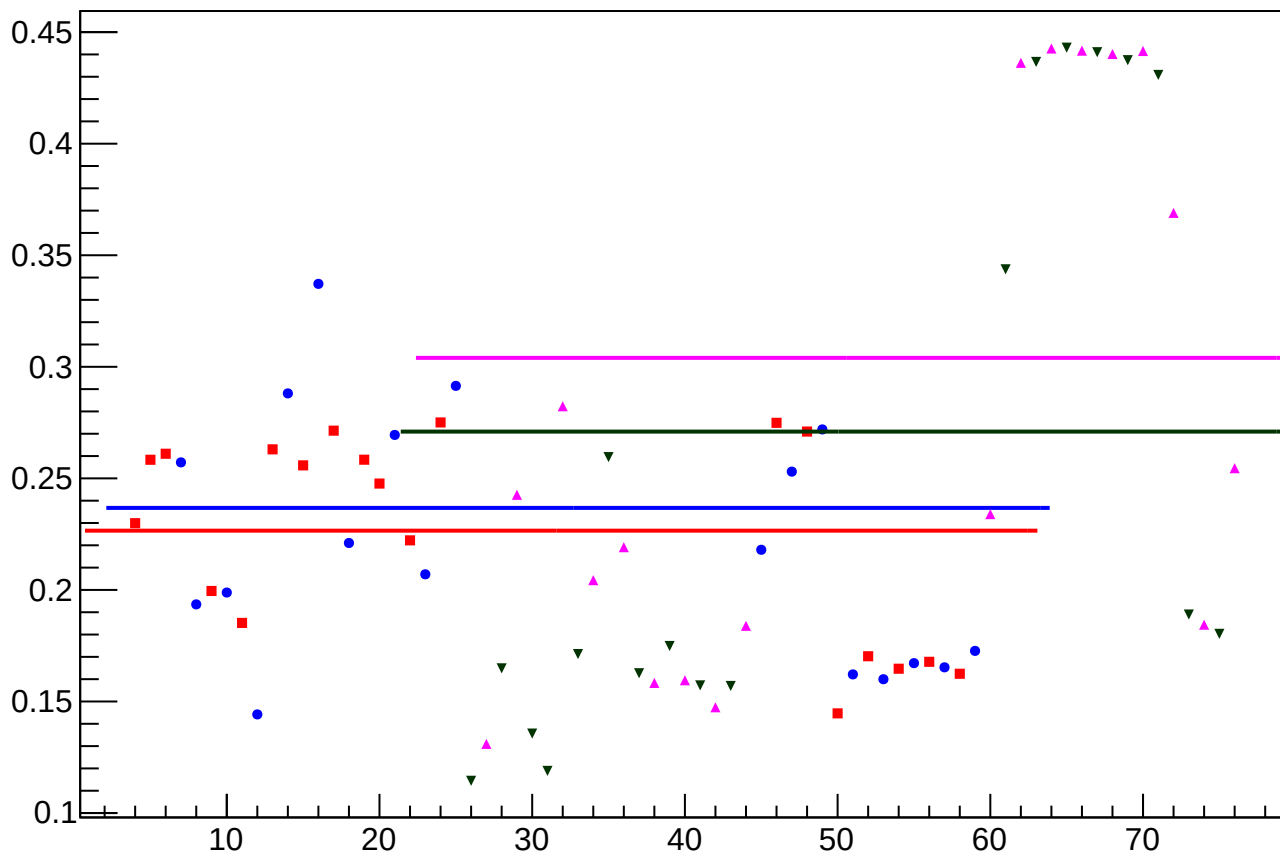
Right Out: 0.013+/-0.000 χ^2/NDF : 798846.8/18

Left In: 0.014+/-0.000 χ^2/NDF : 15118.2/17

0.013+/-0.000 χ^2/NDF : 1038346.5/35

0.013+/-0.000 χ^2/NDF : 818820.9/36

yield_bpm0l09Y_mean vs slug



Right In: 0.237 $\pm$ 0.000 χ^2/NDF : 2411617824.9/17

Left Out: 0.271 $\pm$ 0.000 χ^2/NDF : 15578853665.3/17

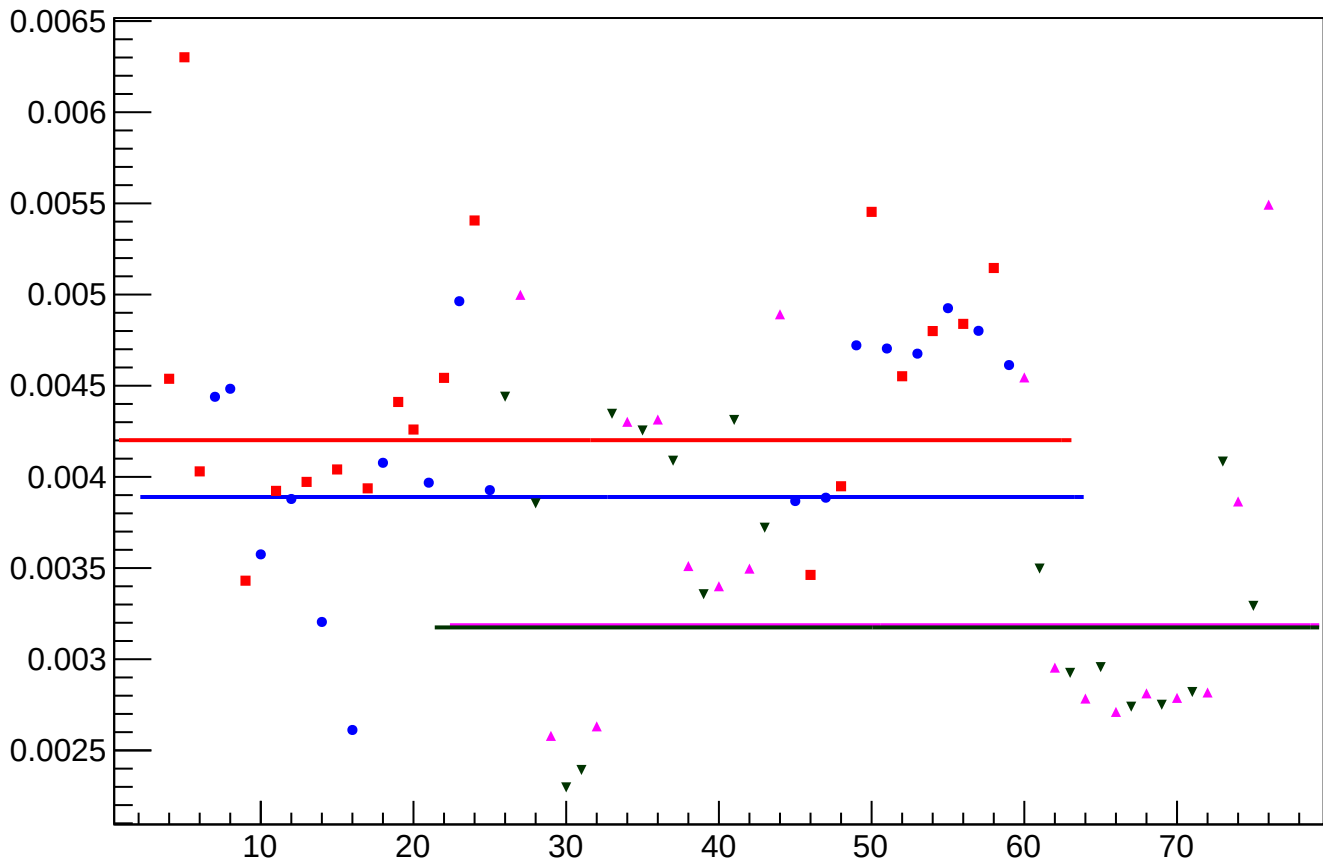
Right Out: 0.227 $\pm$ 0.000 χ^2/NDF : 943883207.4/18

Left In: 0.304 $\pm$ 0.000 χ^2/NDF : 11600521845.2/17

0.256 $\pm$ 0.000 χ^2/NDF : 18427758127.5/35

0.276 $\pm$ 0.000 χ^2/NDF : 14492110660.3/36

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 : 752097.4/17

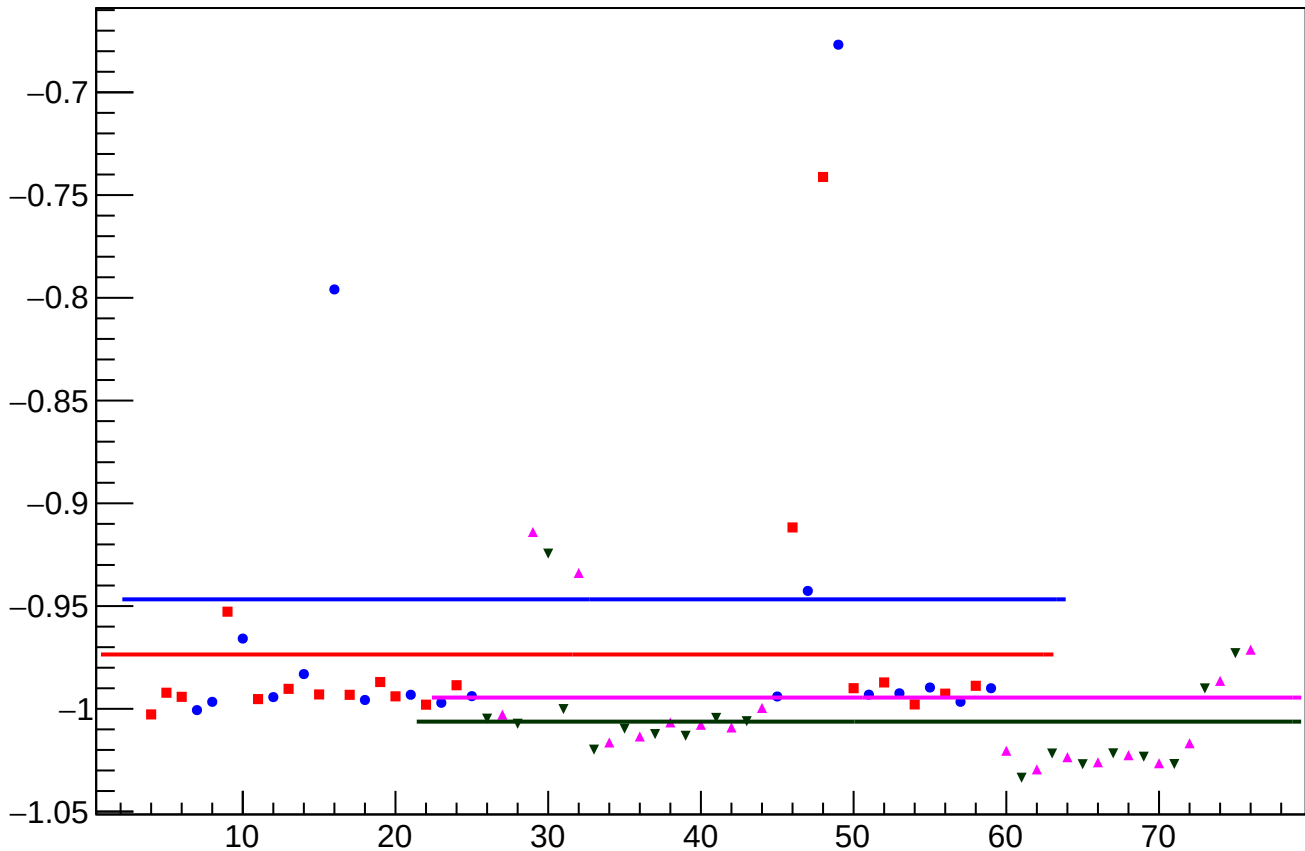
0.003+/-0.000 χ^2/NDF : 1830517.7/35

Right Out: 0.004+/-0.000 χ^2/NDF : 341340.8/18

0.004+/-0.000 χ^2/NDF : 2055378.1/36

Left In: 0.003+/-0.000 χ^2/NDF : 1045139.0/17

yield_bpm0l10X_mean vs slug



Right In: -0.947+/-0.000 χ^2/NDF : 662253046.3/17

Left Out: -1.006+/-0.000 χ^2/NDF :31951152.0/17

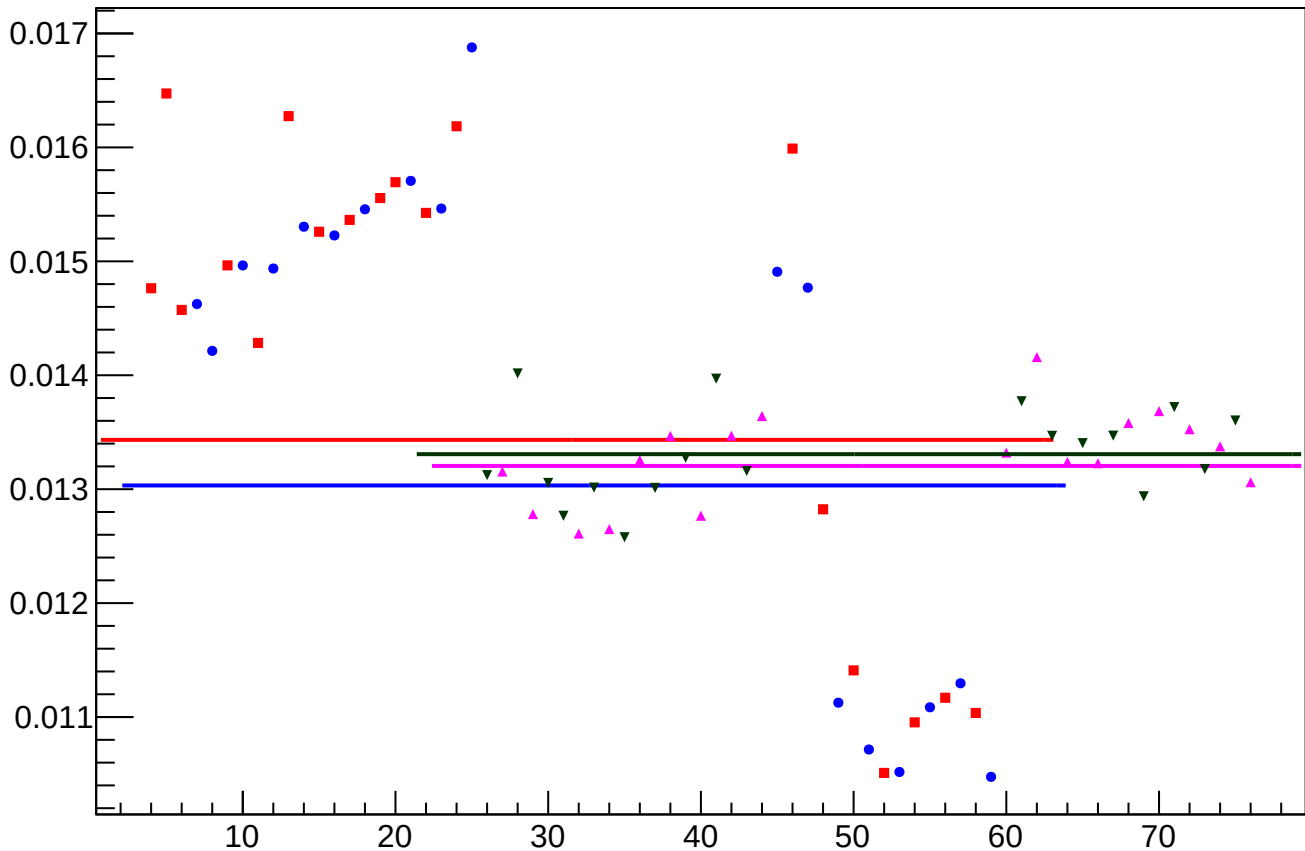
Right Out: -0.974+/-0.000 χ^2/NDF : 174691792.1/18

Left In: -0.995+/-0.000 χ^2/NDF :76586641.7/17

-0.974+/-0.000 χ^2/NDF : 795255370.4/35

-0.985+/-0.000 χ^2/NDF : 263270290.4/36

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 :16393.7/17

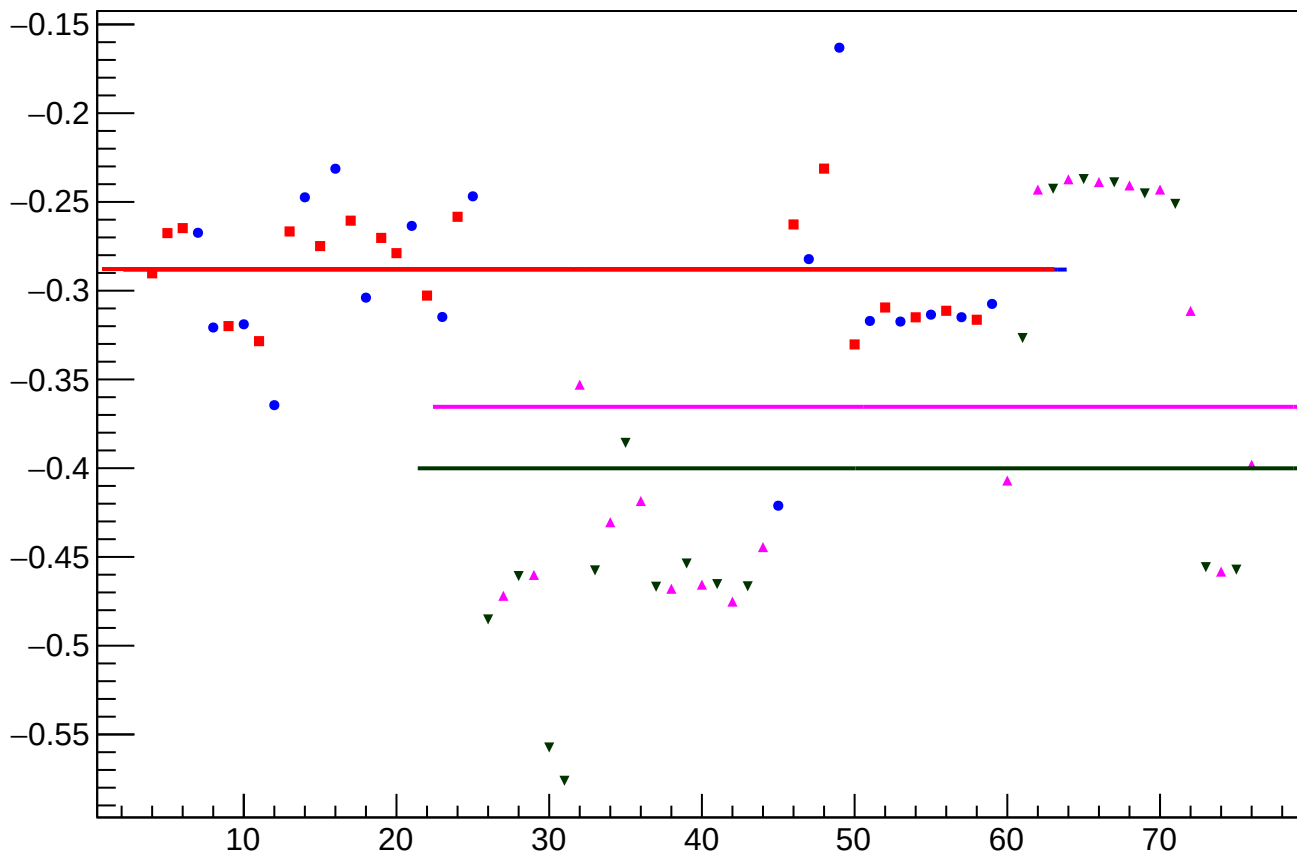
Right Out: 0.013+/-0.000 χ^2/NDF : 479245.1/18

Left In: 0.013+/-0.000 χ^2/NDF :17823.0/17

0.013+/-0.000 χ^2/NDF : 608537.9/35

0.013+/-0.000 χ^2/NDF : 499929.4/36

yield_bpm0l10Y_mean vs slug



Right In: -0.288+/-0.000 χ^2/NDF : 2601289511.6/17

Left Out: -0.400+/-0.000 χ^2/NDF : 13718776245.3/17

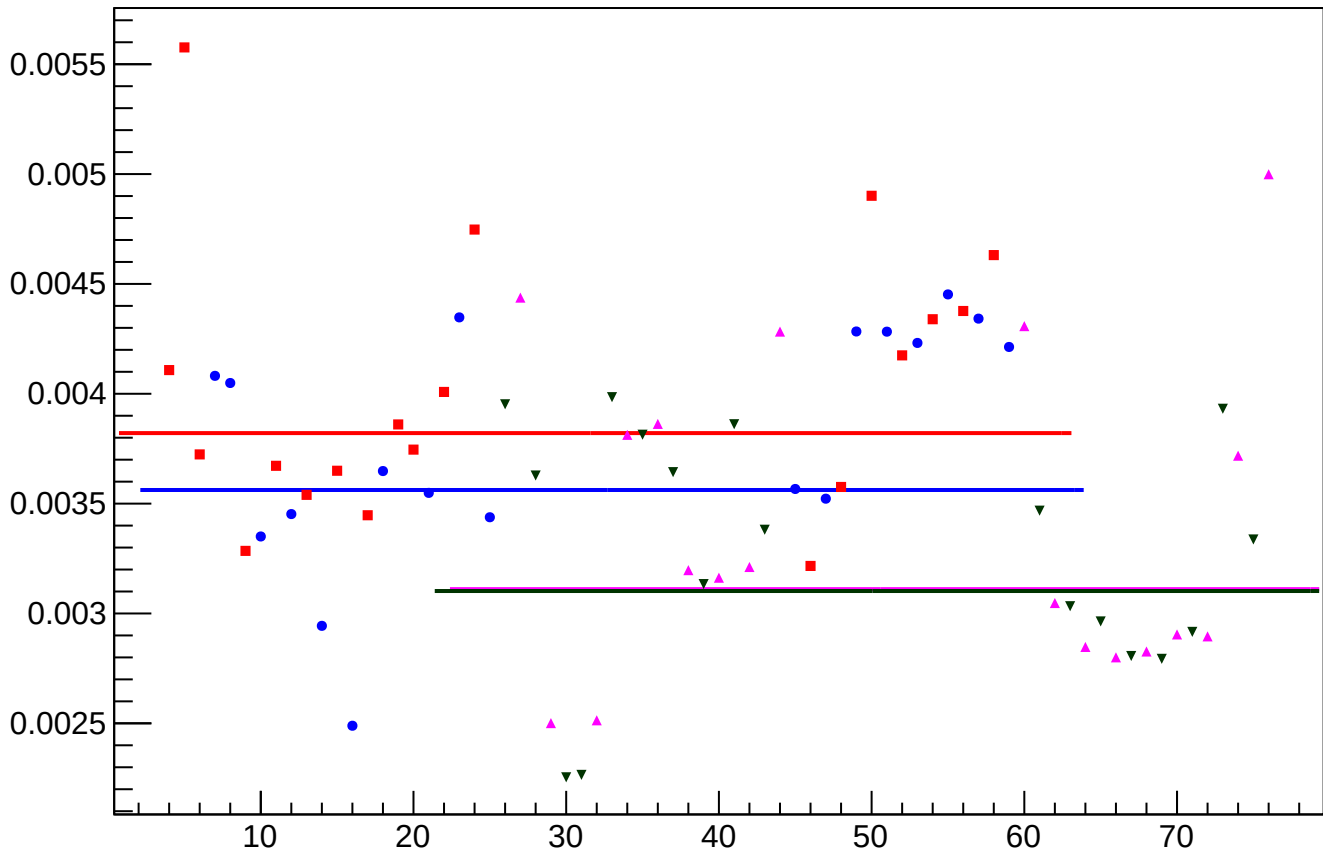
Right Out: -0.288+/-0.000 χ^2/NDF : 515794849.9/18

Left In: -0.365+/-0.000 χ^2/NDF : 8801520286.2/17

-0.346+/-0.000 χ^2/NDF : 21669145037.3/35

-0.335+/-0.000 χ^2/NDF : 11599704225.6/36

yield_bpm0l10Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 588741.6/17

Left Out: 0.003+/-0.000 χ^2/NDF : 552004.4/17

0.003+/-0.000 χ^2/NDF : 1321172.0/35

Right Out: 0.004+/-0.000 χ^2/NDF : 282191.6/18

0.003+/-0.000 χ^2/NDF : 1431042.0/36

Left In: 0.003+/-0.000 χ^2/NDF : 766807.5/17