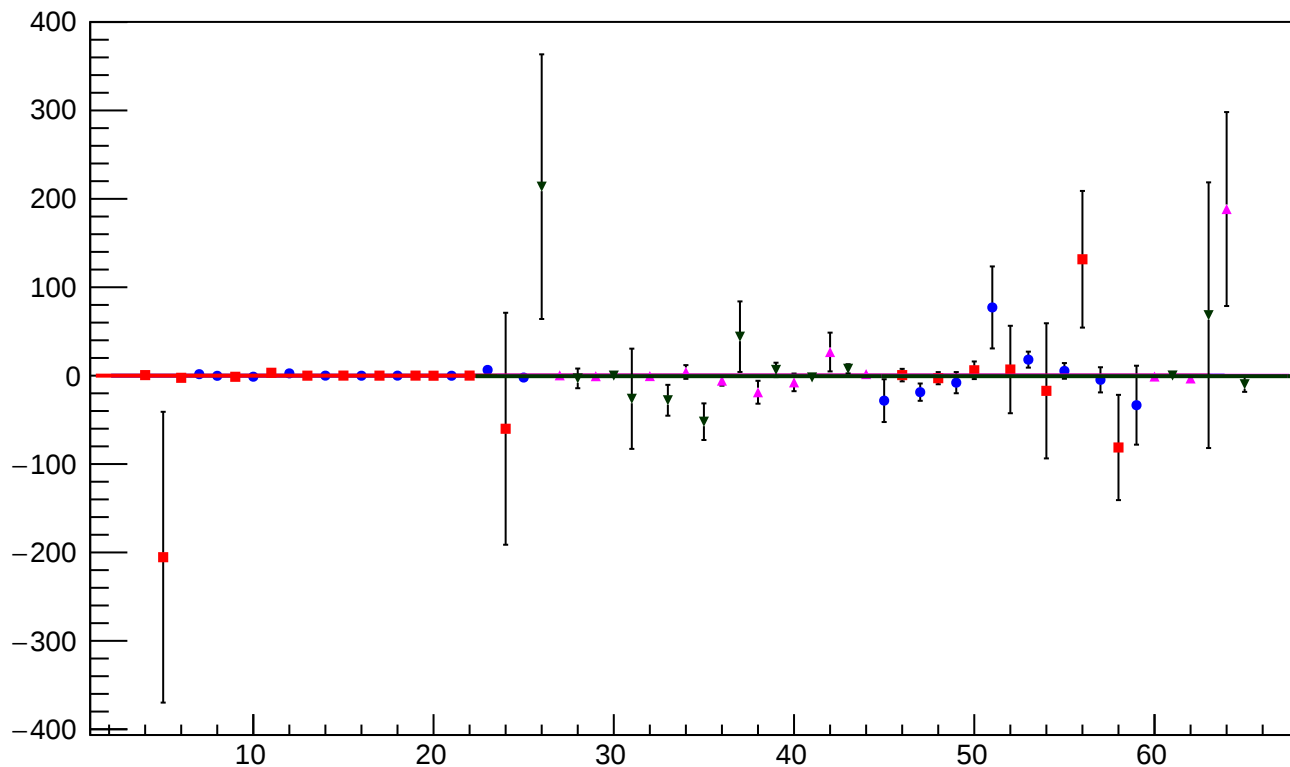


diff_cav4bX_mean vs slug



Right In: -0.014+/-0.014

Left Out: -0.598+/-1.241

Right Out: 0.017+/-0.016

Left In: -0.099+/-0.167

χ^2 /NDF: 31.2/17

χ^2 /NDF: 17.5/12

χ^2 /NDF: 24.7/18

χ^2 /NDF: 19.3/11

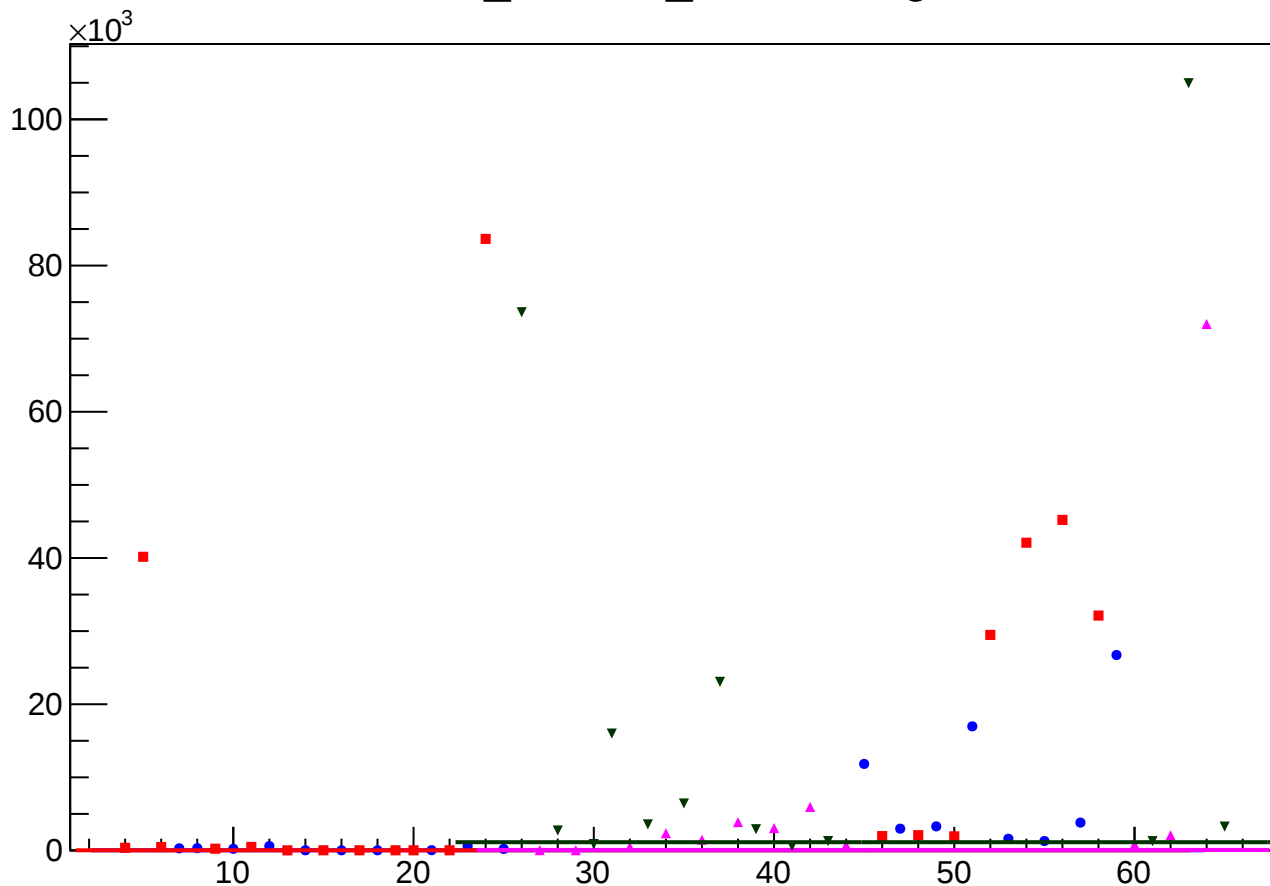
-0.014+/-0.014

0.016+/-0.016

χ^2 /NDF: 49.0/30

χ^2 /NDF: 44.4/30

diff_cav4bX_rms vs slug



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

Left Out: 1129.953 $\pm$ 0.877 χ^2/NDF : 2752288.0/12

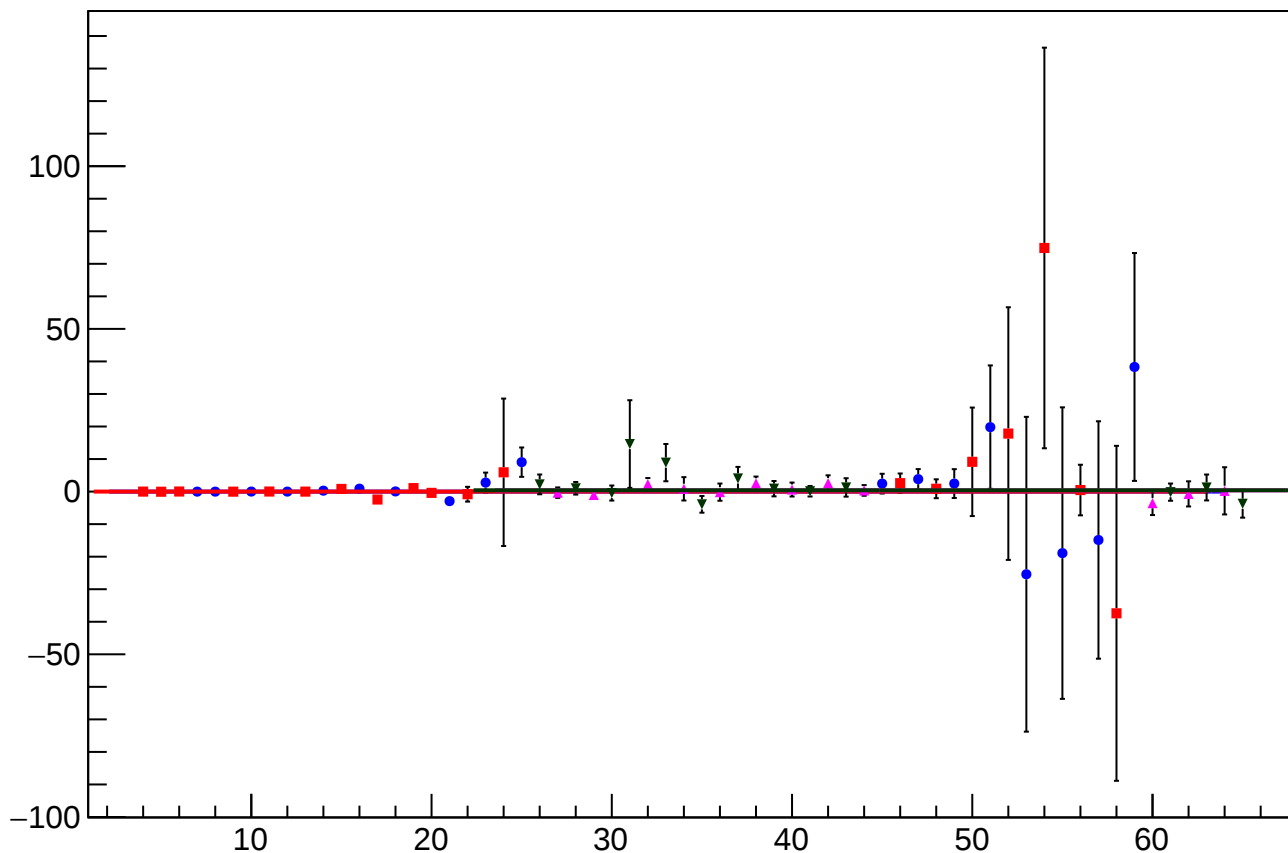
Right Out: 22.611 $\pm$ 0.011 χ^2/NDF : 4395534.2/18

Left In: 72.723 $\pm$ 0.118 χ^2/NDF : 3292588.9/11

22.577 $\pm$ 0.010 χ^2/NDF : 7150095.6/30

23.074 $\pm$ 0.011 χ^2/NDF : 7866104.7/30

diff_cav4bY_mean vs slug



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

Left Out: 0.405 ± 0.750 χ^2/NDF : 9.0/12

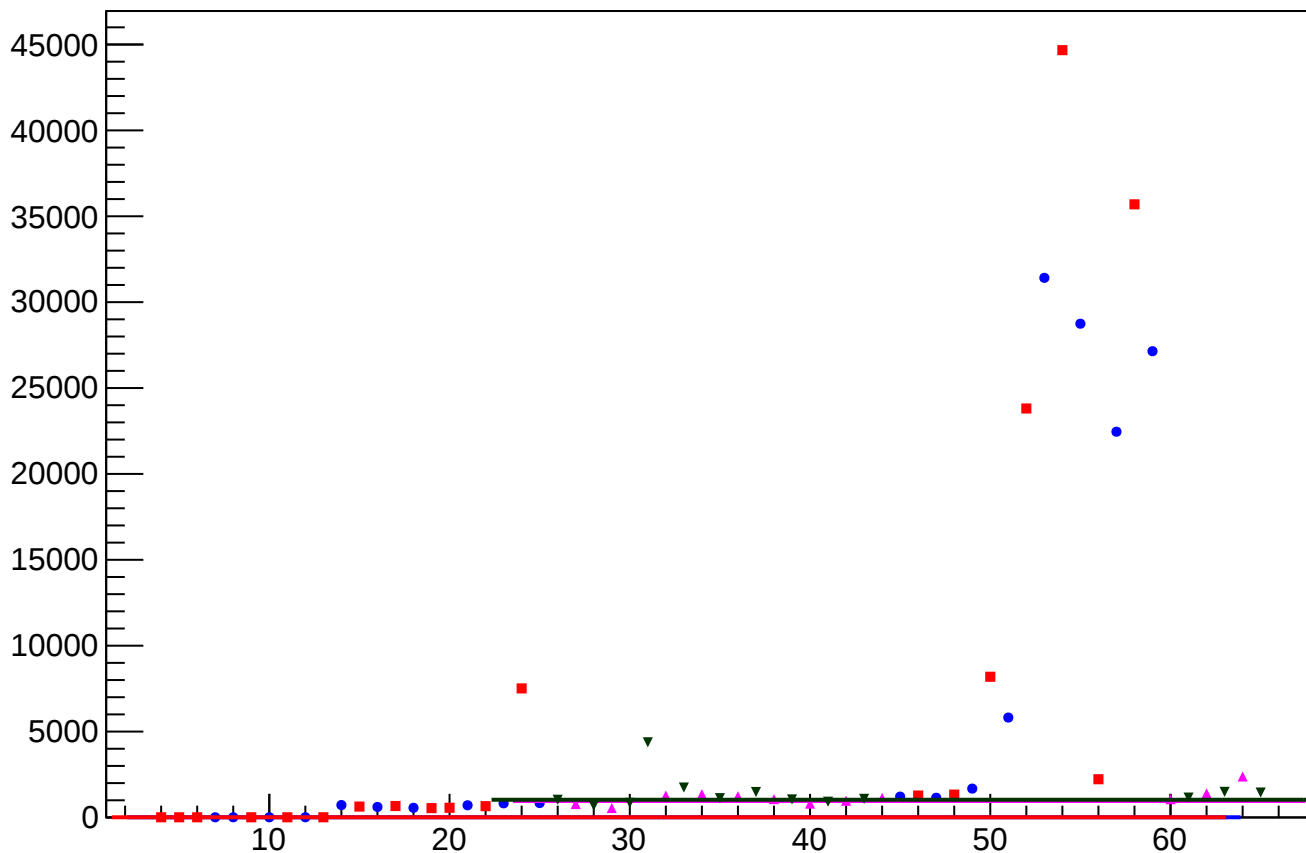
Right Out: 0.002 ± 0.005 χ^2/NDF : 20.3/18

Left In: 0.386 ± 0.620 χ^2/NDF : 5.6/11

-0.001 ± 0.006 χ^2/NDF : 32.9/30

0.002 ± 0.005 χ^2/NDF : 26.3/30

diff_cav4bY_rms vs slug



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

Left Out: 1030.590+/-0.530 χ^2/NDF :326419.4/12

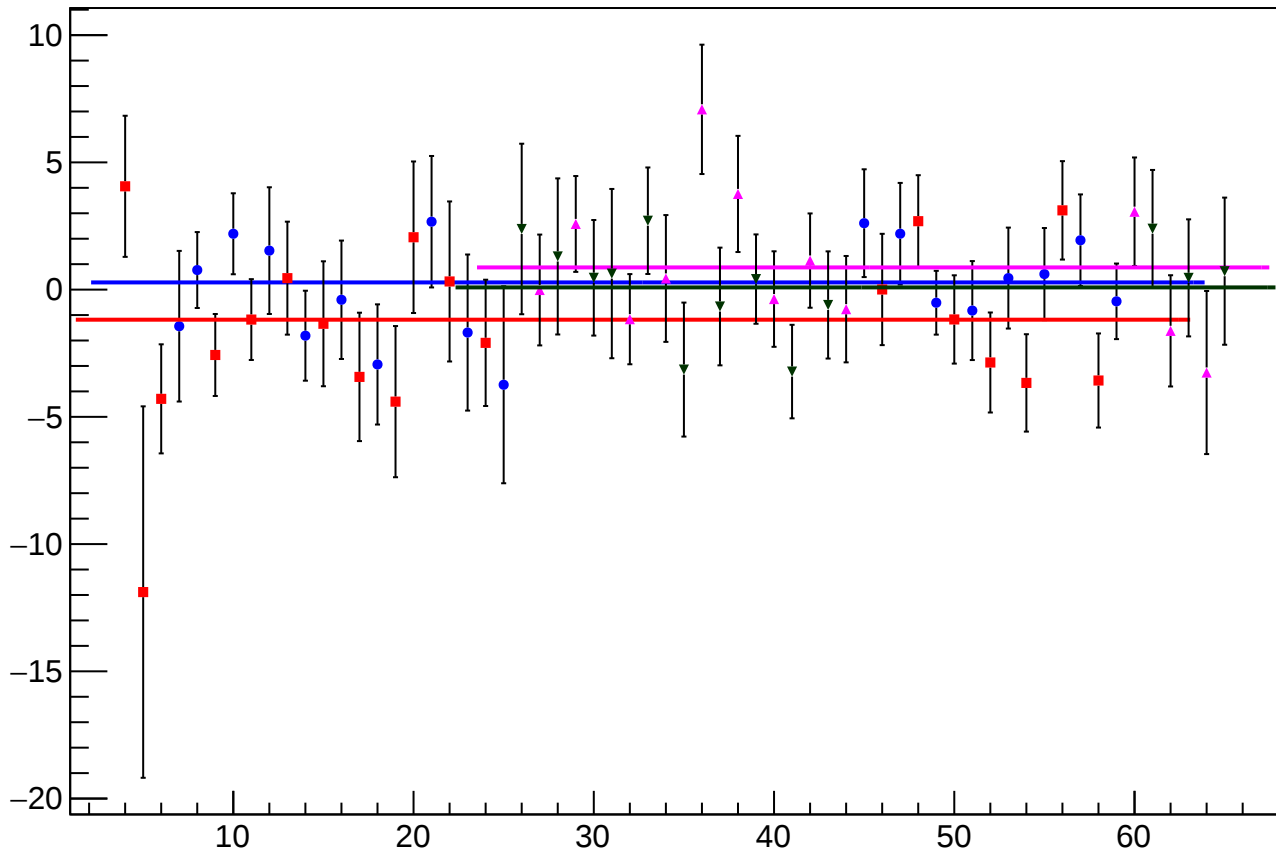
Right Out: 10.086+/-0.004 χ^2/NDF : 6750125.6/18

Left In: 956.321+/-0.438 χ^2/NDF :458841.2/11

10.584+/-0.005 χ^2/NDF : 12988003.8/30

10.159+/-0.004 χ^2/NDF : 11866245.1/30

diff_cav4cX_mean vs slug



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

Left Out: 0.087 ± 0.648 χ^2/NDF : 8.3/12

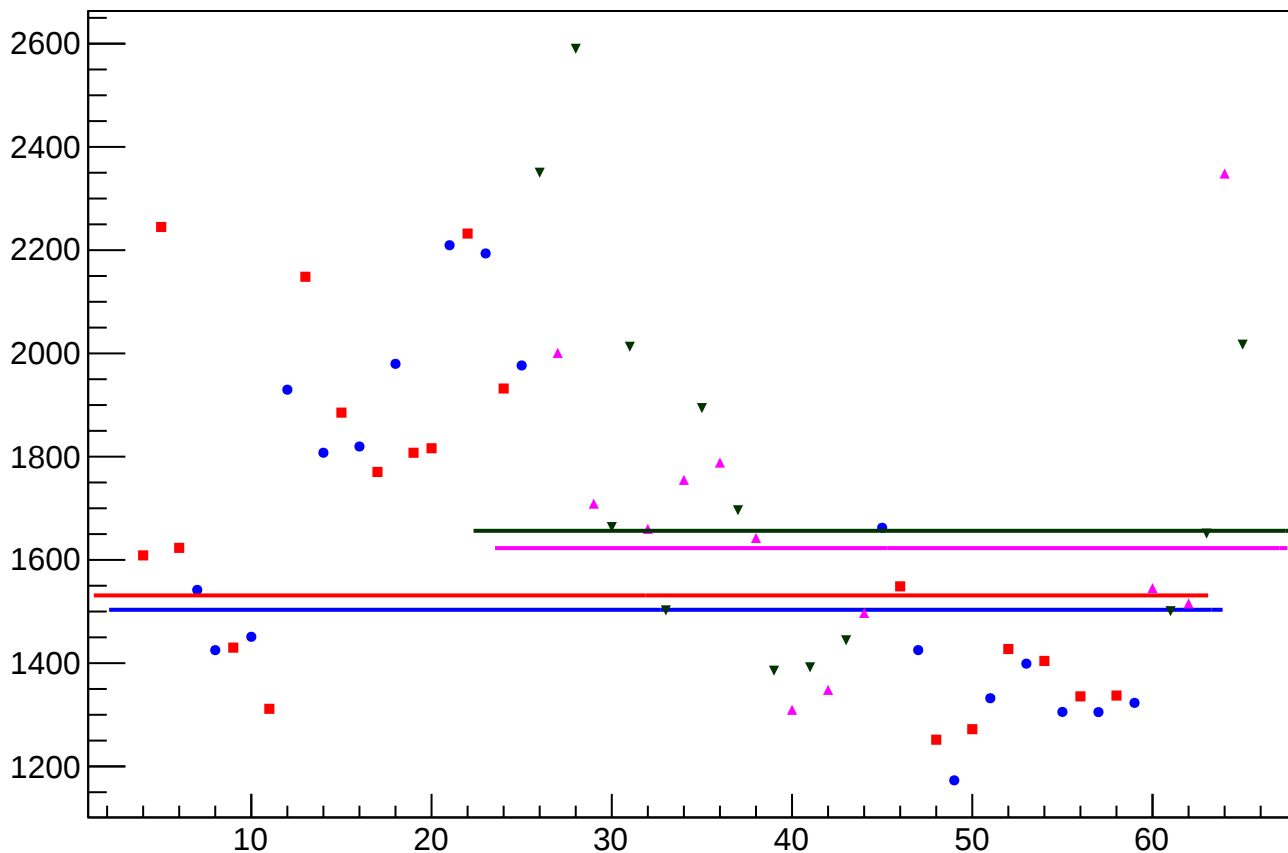
Right Out: -1.182 ± 0.494 χ^2/NDF : 26.5/18

Left In: 0.872 ± 0.614 χ^2/NDF : 15.0/11

0.218 ± 0.373 χ^2/NDF : 20.2/30

-0.376 ± 0.385 χ^2/NDF : 48.3/30

diff_cav4cX_rms vs slug



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

Left Out: 1656.386 $\pm$ 0.458 χ^2 /NDF: 471360.8/12

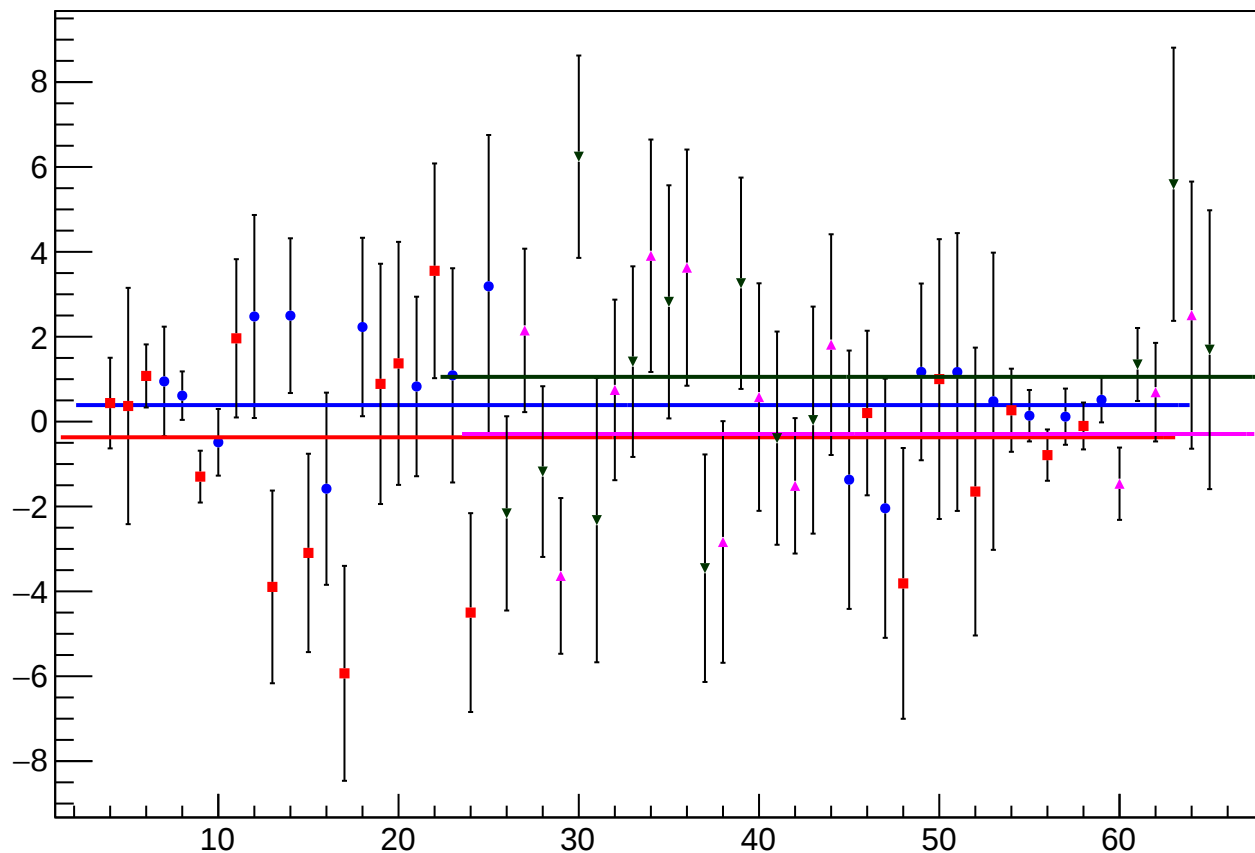
Right Out: 1531.211 $\pm$ 0.349 χ^2 /NDF: 621310.9/18

Left In: 1622.903 $\pm$ 0.434 χ^2 /NDF: 296488.0/11

1553.980 $\pm$ 0.263 χ^2 /NDF: 1322751.6/30

1567.190 $\pm$ 0.272 χ^2 /NDF: 944874.2/30

diff_cav4cY_mean vs slug



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

Left Out: 1.054 ± 0.561 χ^2/NDF : 15.6/12

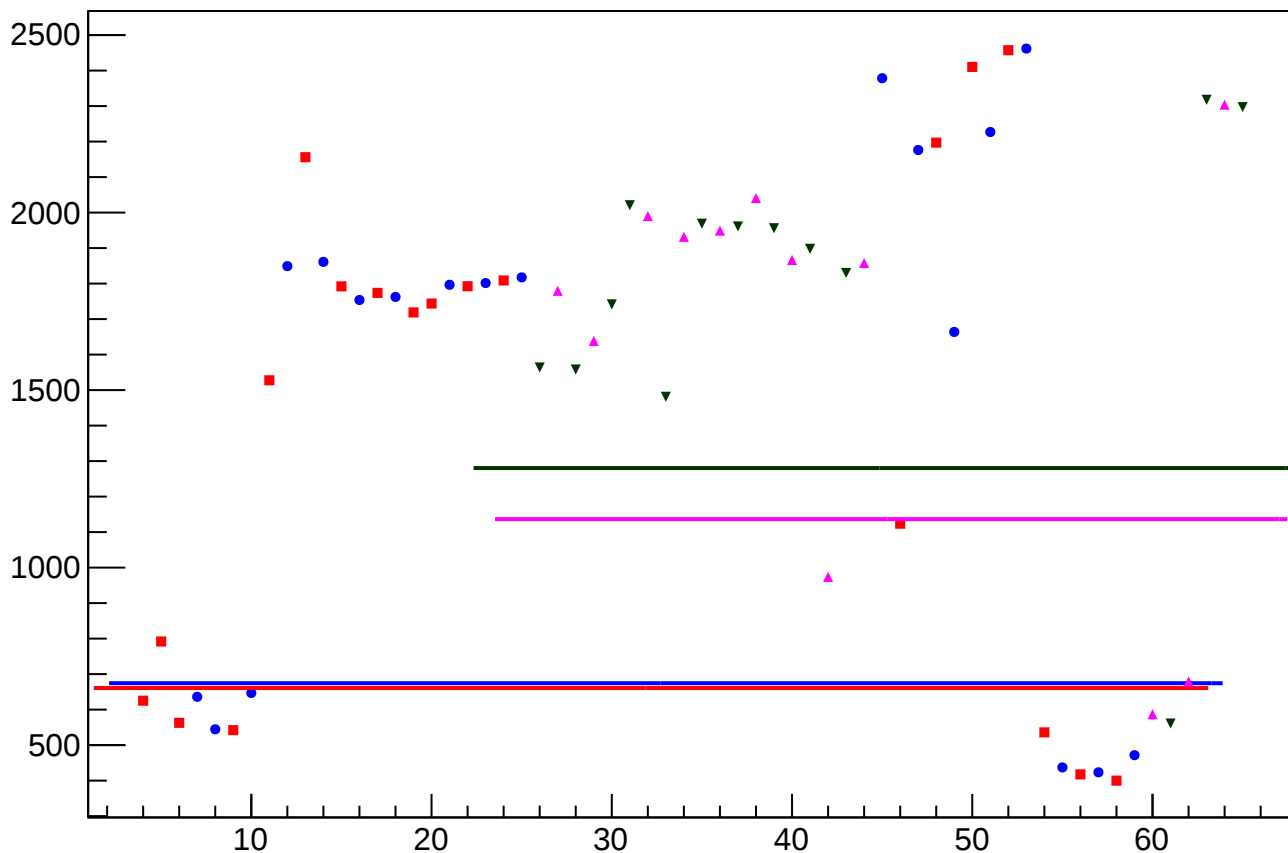
Right Out: -0.369 ± 0.263 χ^2/NDF : 25.7/18

Left In: -0.292 ± 0.495 χ^2/NDF : 15.1/11

0.500 ± 0.230 χ^2/NDF : 24.3/30

-0.352 ± 0.232 χ^2/NDF : 40.7/30

diff_cav4cY_rms vs slug



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

Left Out: 1280.397+/-0.397 χ^2/NDF :2664356.2/12

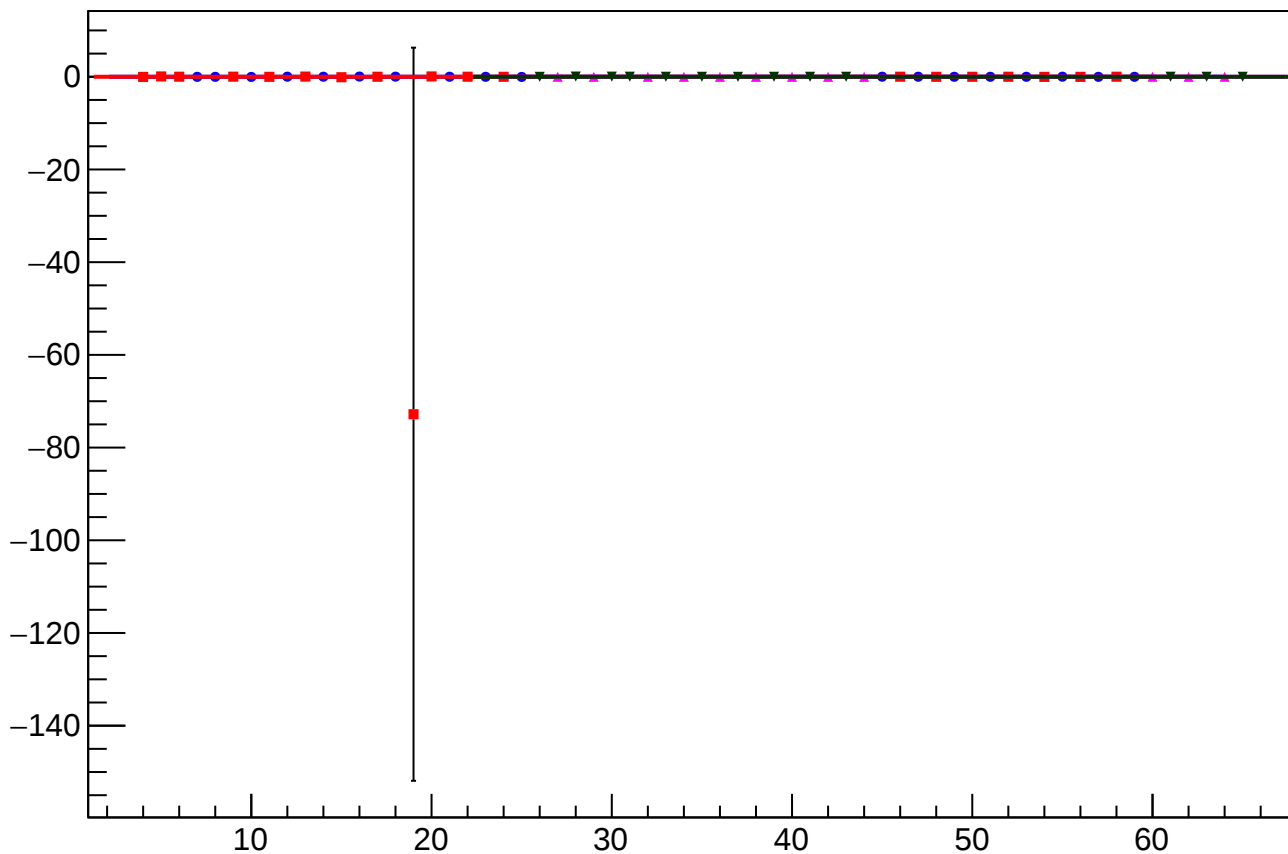
Right Out: 660.761+/-0.186 χ^2/NDF : 6222915.7/18

Left In: 1136.528+/-0.350 χ^2/NDF :2976280.8/11

775.666+/-0.162 χ^2/NDF : 11619799.8/30

765.068+/-0.164 χ^2/NDF : 10638957.4/30

diff_cav4dX_mean vs slug



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

Left Out: 0.001 $\pm$ 0.004 χ^2 /NDF: 8.9/12

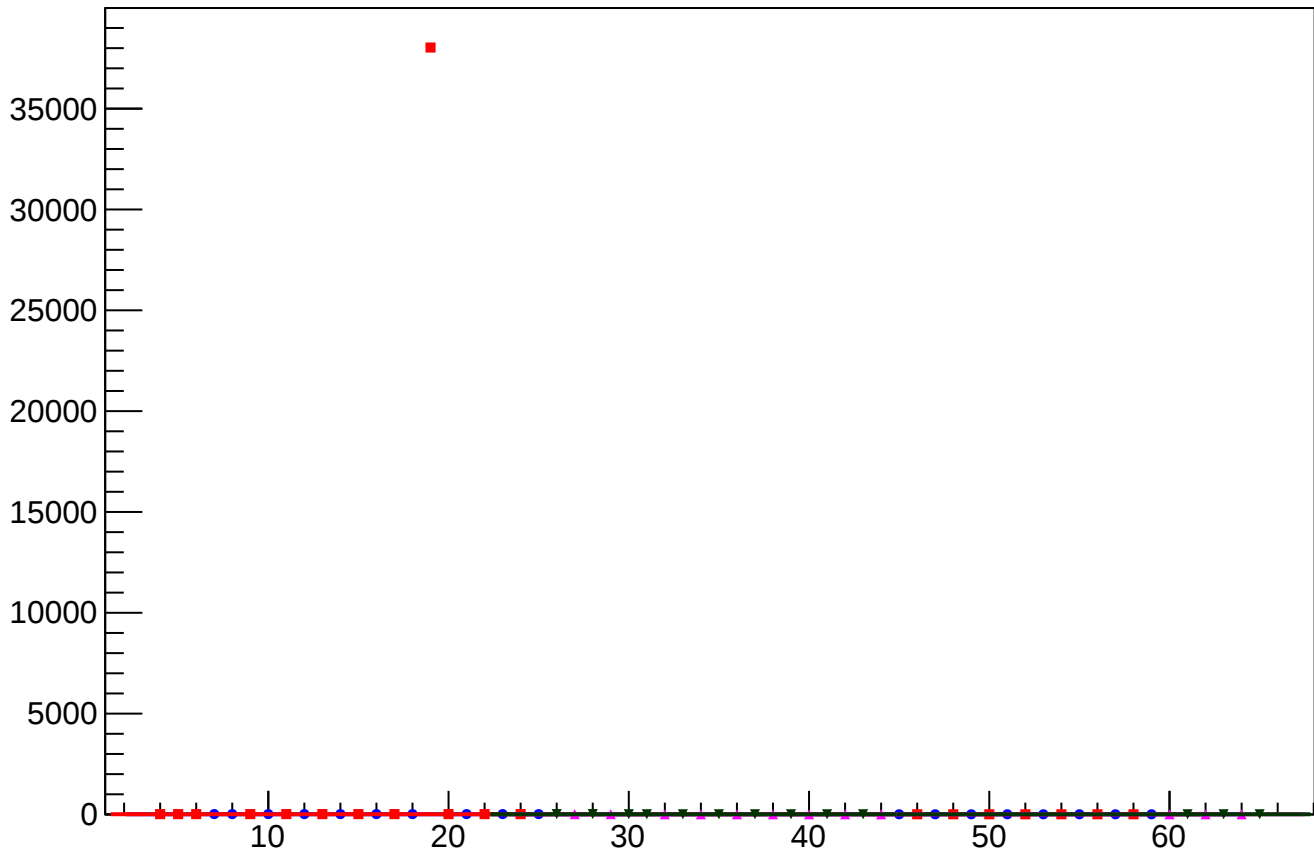
Right Out: 0.002 $\pm$ 0.004 χ^2 /NDF: 20.0/18

Left In: -0.001 $\pm$ 0.004 χ^2 /NDF: 3.7/11

0.000 $\pm$ 0.003 χ^2 /NDF: 20.9/30

0.001 $\pm$ 0.003 χ^2 /NDF: 24.0/30

diff_cav4dX_rms vs slug



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

Left Out: 9.174 $\pm$ 0.003 χ^2 /NDF:604731.0/12

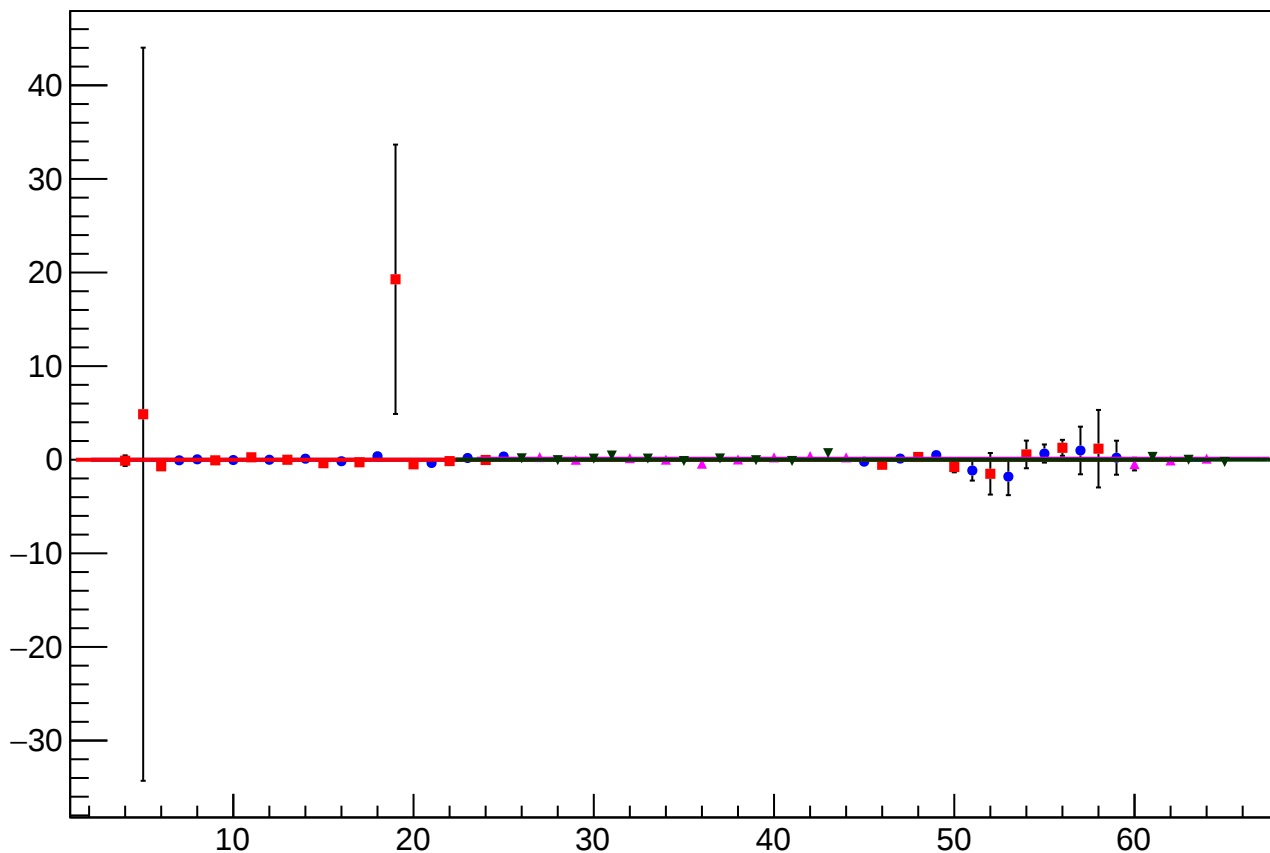
Right Out: 11.097 $\pm$ 0.003 χ^2 /NDF: 2257827.7/18

Left In: 9.186 $\pm$ 0.003 χ^2 /NDF:769591.7/11

9.891 $\pm$ 0.002 χ^2 /NDF: 2709417.0/30

10.005 $\pm$ 0.002 χ^2 /NDF: 3273179.0/30

diff_cav4dY_mean vs slug



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

Left Out: 0.009 ± 0.050 χ^2/NDF : 18.7/12

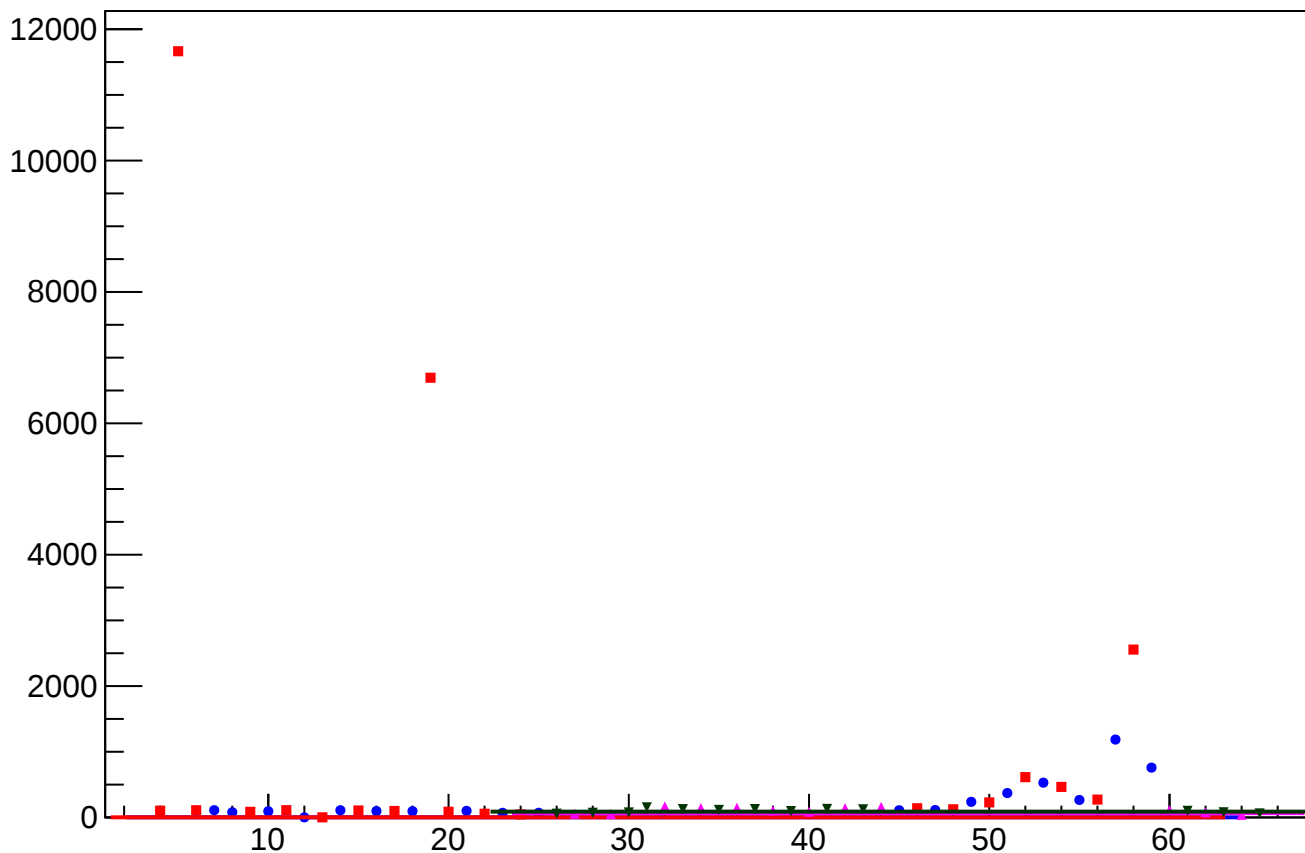
Right Out: -0.003 ± 0.003 χ^2/NDF : 21.1/18

Left In: 0.116 ± 0.040 χ^2/NDF : 11.2/11

-0.003 ± 0.003 χ^2/NDF : 39.6/30

-0.002 ± 0.003 χ^2/NDF : 41.1/30

diff_cav4dY_rms vs slug



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

Left Out: 88.664 $\pm$ 0.035 χ^2 /NDF: 590403.3/12

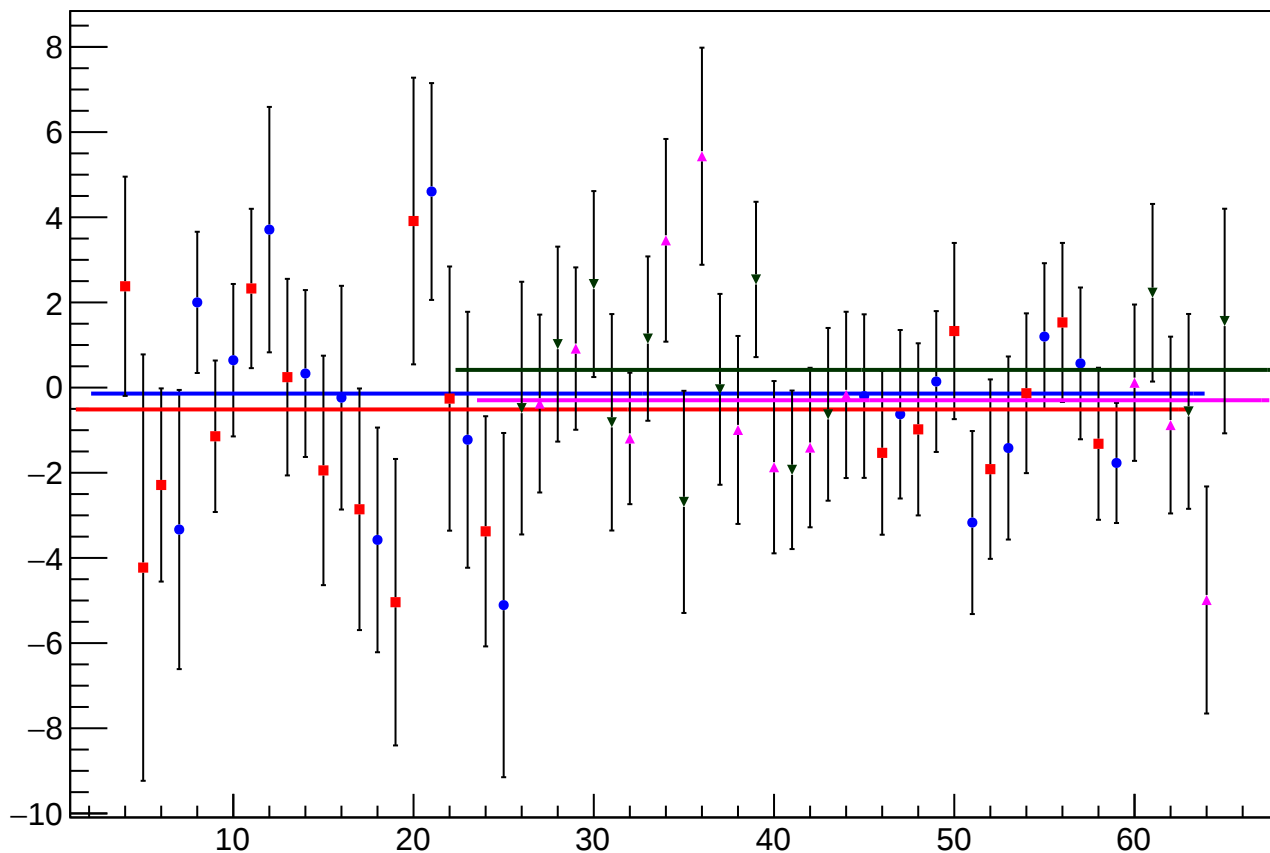
Right Out: 2.101 $\pm$ 0.002 χ^2 /NDF: 6716516.3/18

Left In: 65.277 $\pm$ 0.028 χ^2 /NDF: 1642128.5/11

2.545 $\pm$ 0.002 χ^2 /NDF: 15781549.2/30

2.465 $\pm$ 0.002 χ^2 /NDF: 13394972.6/30

diff_bpm4aX_mean vs slug



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

Left Out: 0.416 ± 0.611 χ^2/NDF : 7.2/12

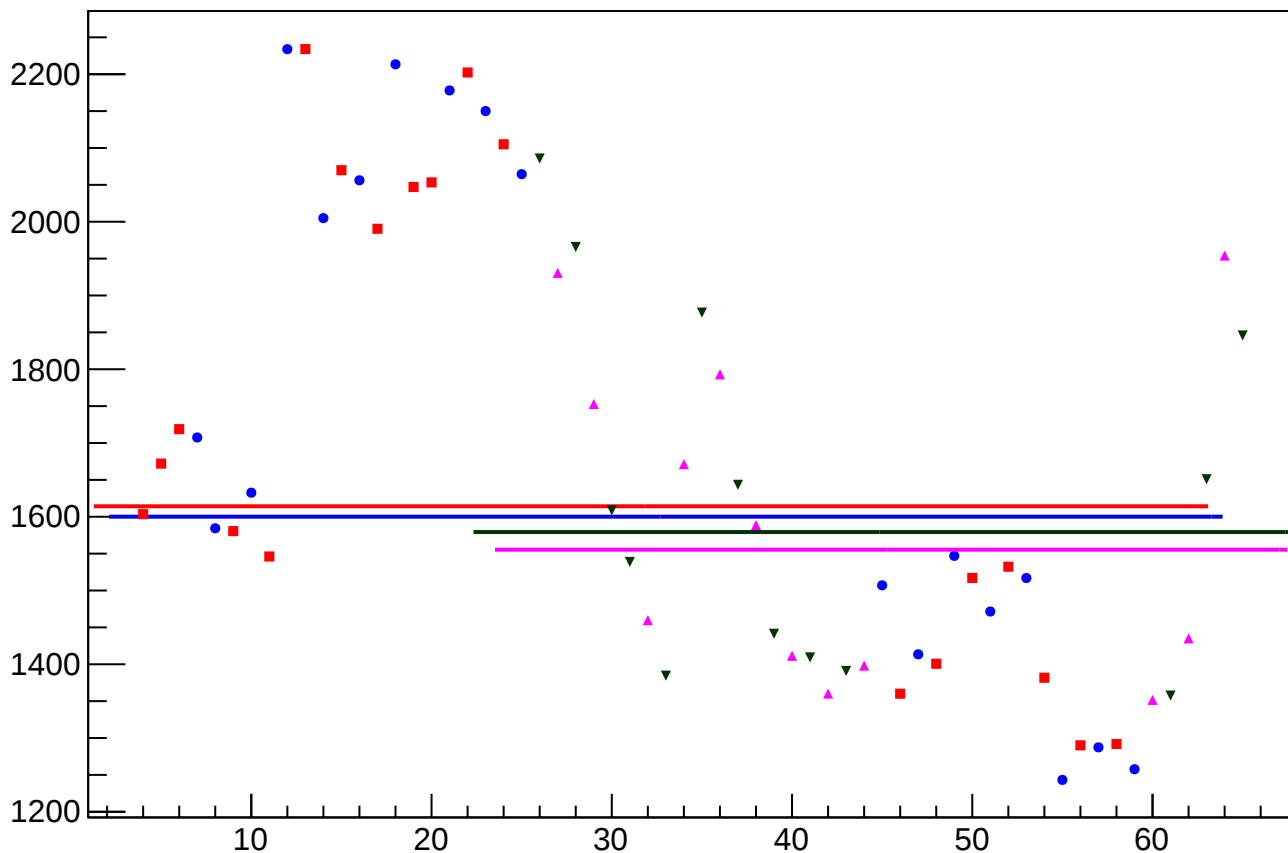
Right Out: -0.513 ± 0.519 χ^2/NDF : 13.6/18

Left In: -0.297 ± 0.585 χ^2/NDF : 12.6/11

0.075 ± 0.380 χ^2/NDF : 23.7/30

-0.418 ± 0.388 χ^2/NDF : 26.3/30

diff_bpm4aX_rms vs slug



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

Left Out: 1579.280+/-0.432 χ^2/NDF : 254546.9/12

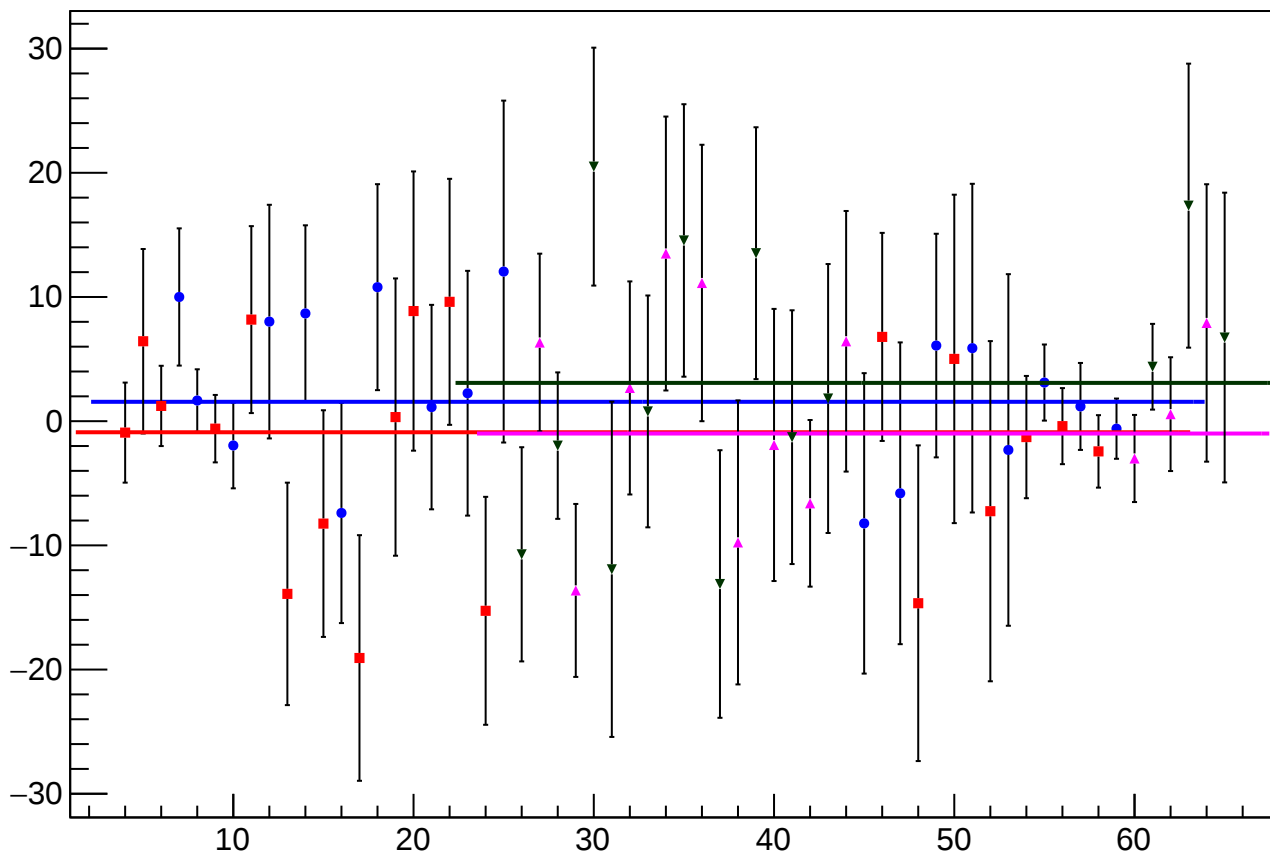
Right Out: 1614.182+/-0.367 χ^2/NDF : 670373.5/18

Left In: 1555.356+/-0.414 χ^2/NDF : 237128.6/11

1592.046+/-0.269 χ^2/NDF : 1105727.4/30

1588.279+/-0.275 χ^2/NDF : 918817.2/30

diff_bpm4aY_mean vs slug



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

Left Out: 3.083 ± 2.163 $\chi^2/\text{NDF}: 14.3/12$

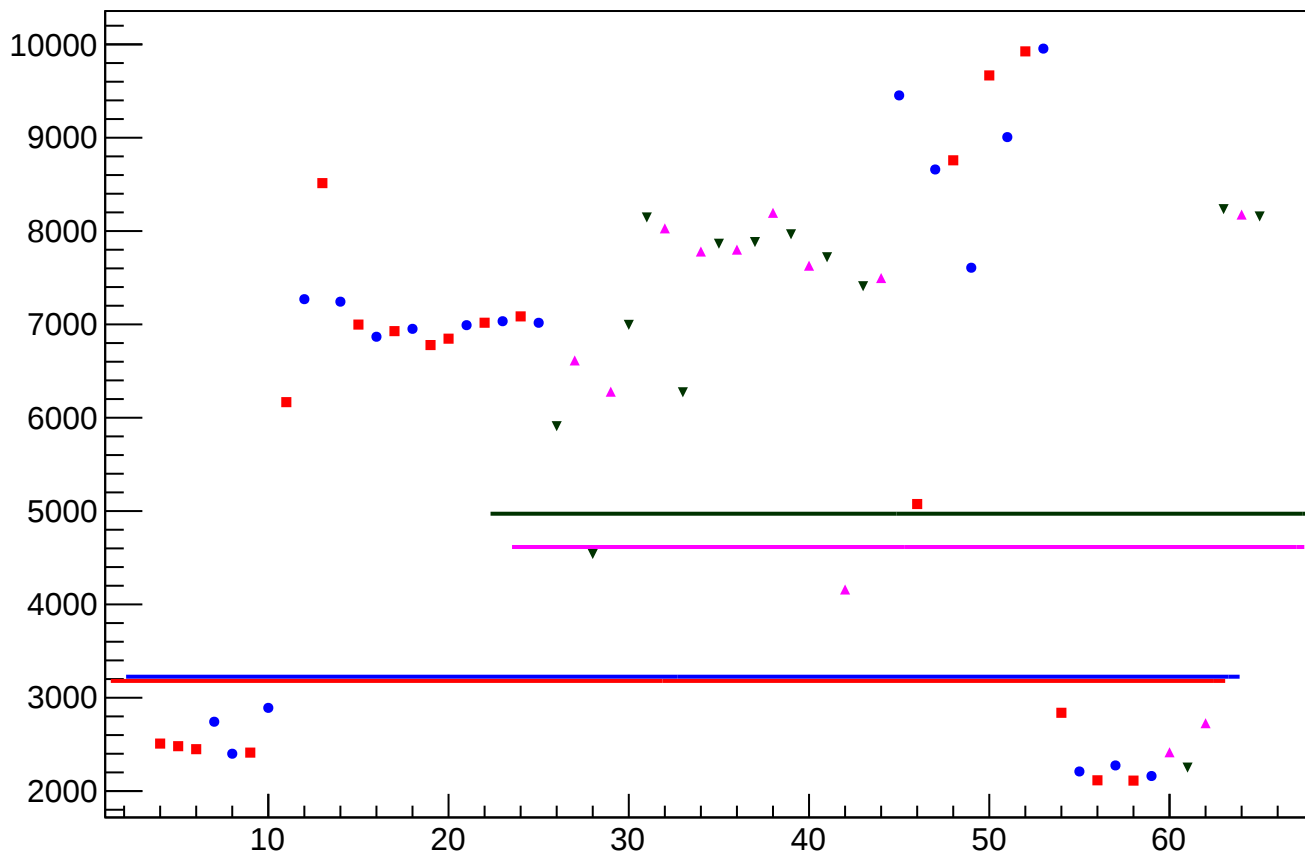
Right Out: -0.892 ± 1.197 $\chi^2/\text{NDF}: 16.1/18$

Left In: -0.995 ± 1.983 $\chi^2/\text{NDF}: 10.3/11$

1.895 ± 1.014 $\chi^2/\text{NDF}: 24.9/30$

-0.919 ± 1.025 $\chi^2/\text{NDF}: 26.4/30$

diff_bpm4aY_rms vs slug



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

Left Out: 4971.580+/-1.529 χ^2/NDF : 2532267.6/12

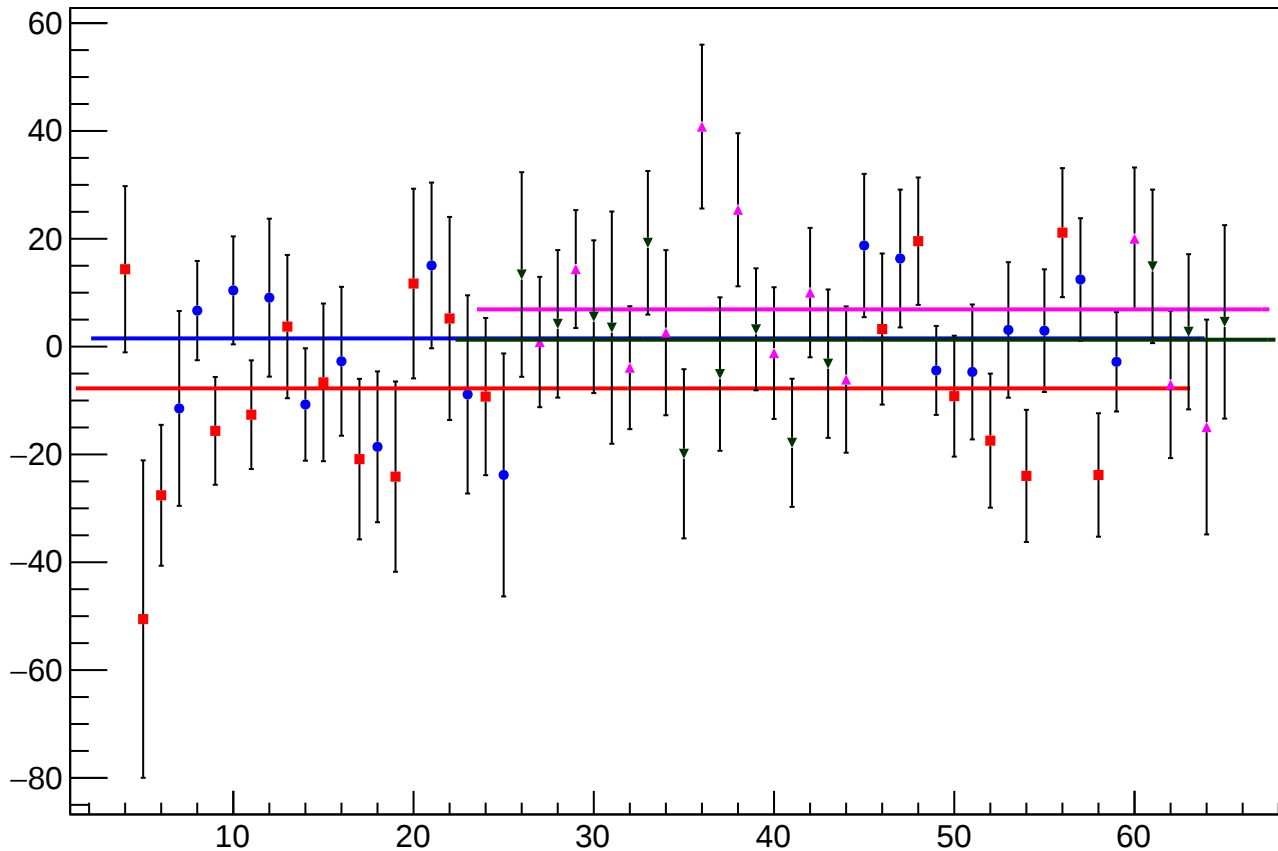
Right Out: 3180.260+/-0.846 χ^2/NDF : 5053490.5/18

Left In: 4614.973+/-1.402 χ^2/NDF : 2752117.8/11

3609.336+/-0.717 χ^2/NDF : 9410011.7/30

3563.178+/-0.725 χ^2/NDF : 8572860.4/30

diff_bpm4eX_mean vs slug



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

Left Out: 1.279 ± 3.987 χ^2/NDF : 8.1/12

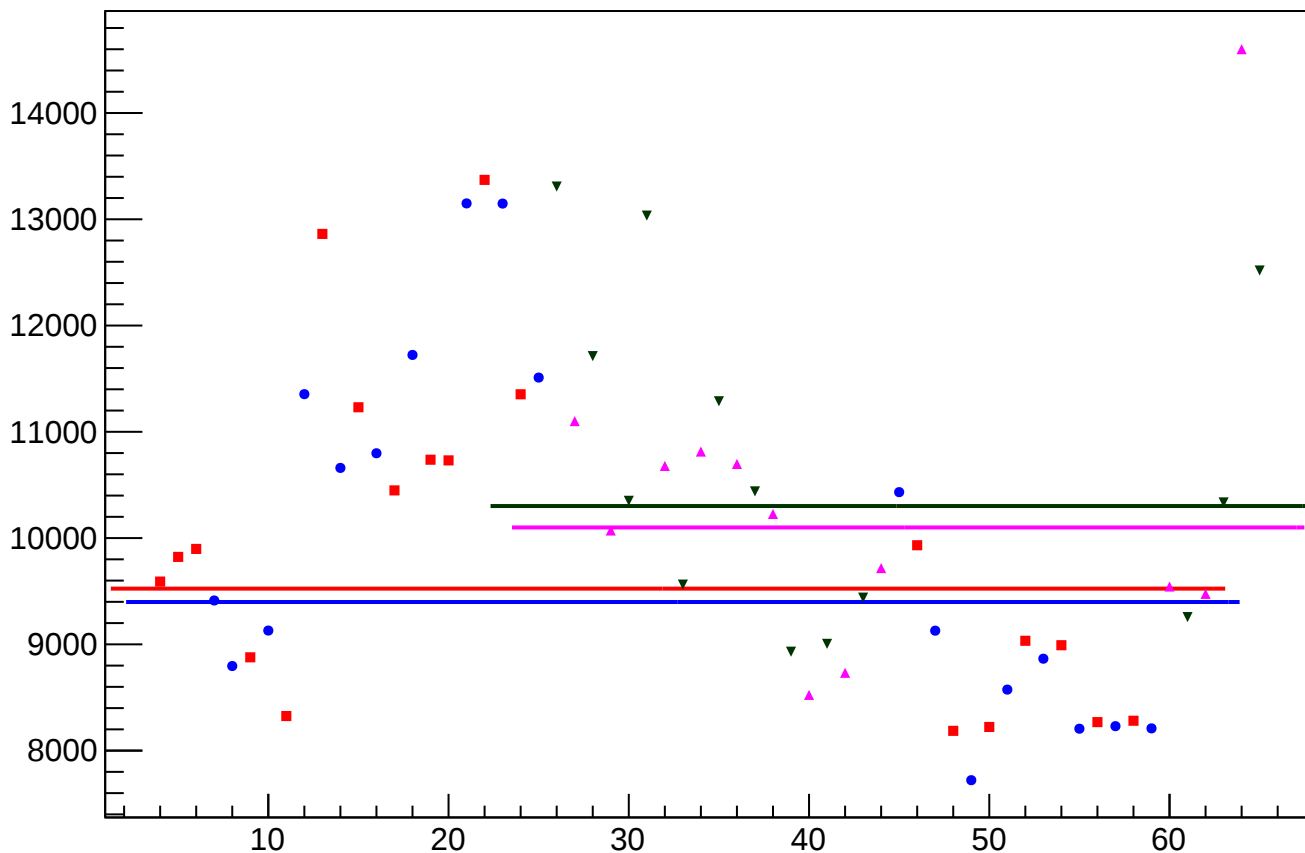
Right Out: -7.752 ± 3.046 χ^2/NDF : 27.5/18

Left In: 6.906 ± 3.803 χ^2/NDF : 13.0/11

1.440 ± 2.309 χ^2/NDF : 20.8/30

-2.025 ± 2.377 χ^2/NDF : 49.6/30

diff_bpm4eX_rms vs slug



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

Left Out: 10301.468 $\pm$ 2.819 χ^2 /NDF: 220241.1/12

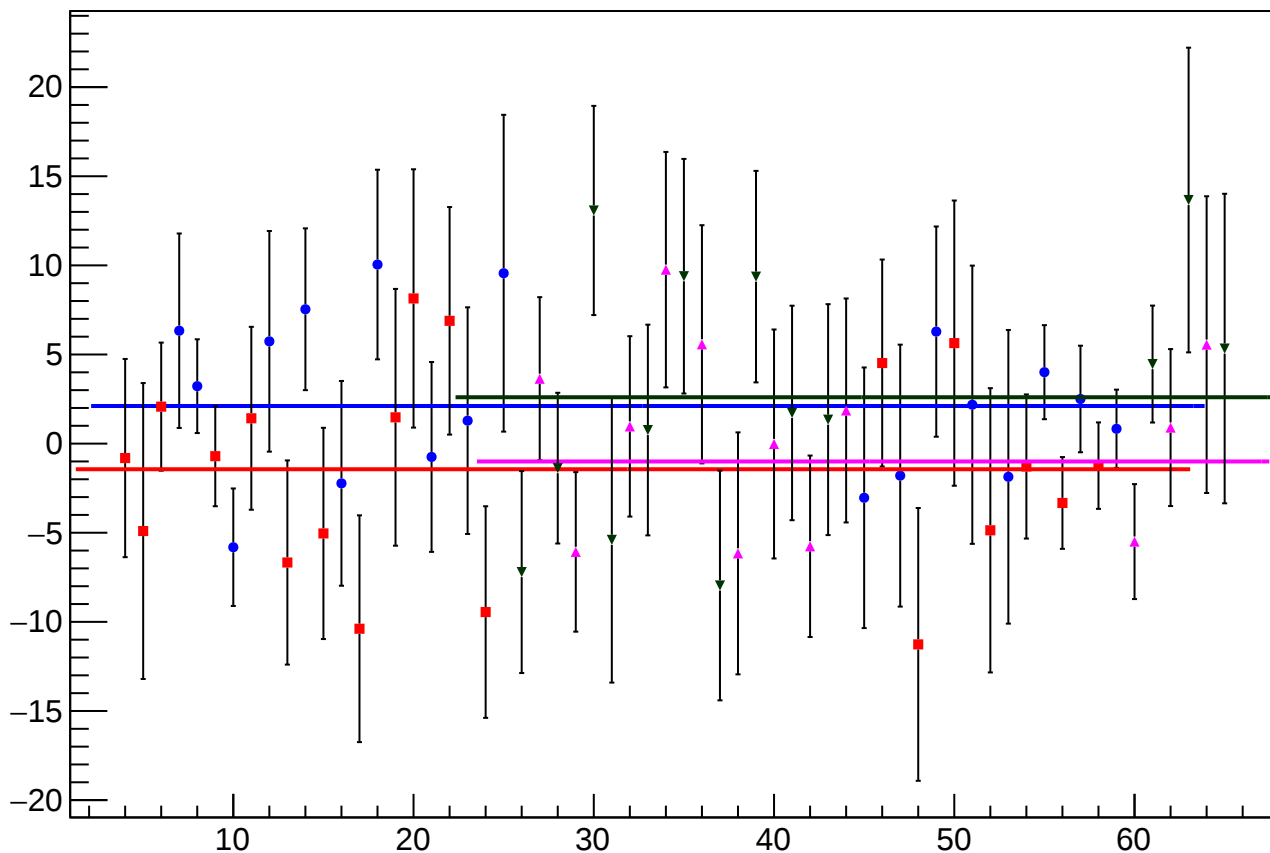
Right Out: 9524.317 $\pm$ 2.154 χ^2 /NDF: 440161.2/18

Left In: 10099.888 $\pm$ 2.689 χ^2 /NDF: 197132.6/11

9701.308 $\pm$ 1.633 χ^2 /NDF: 843320.9/30

9749.201 $\pm$ 1.681 χ^2 /NDF: 665202.3/30

diff_bpm4eY_mean vs slug



Right In: 2.110 $\pm$ 0.979 χ^2 /NDF: 14.5/17

Left Out: 2.602 $\pm$ 1.567 χ^2 /NDF:15.4/12

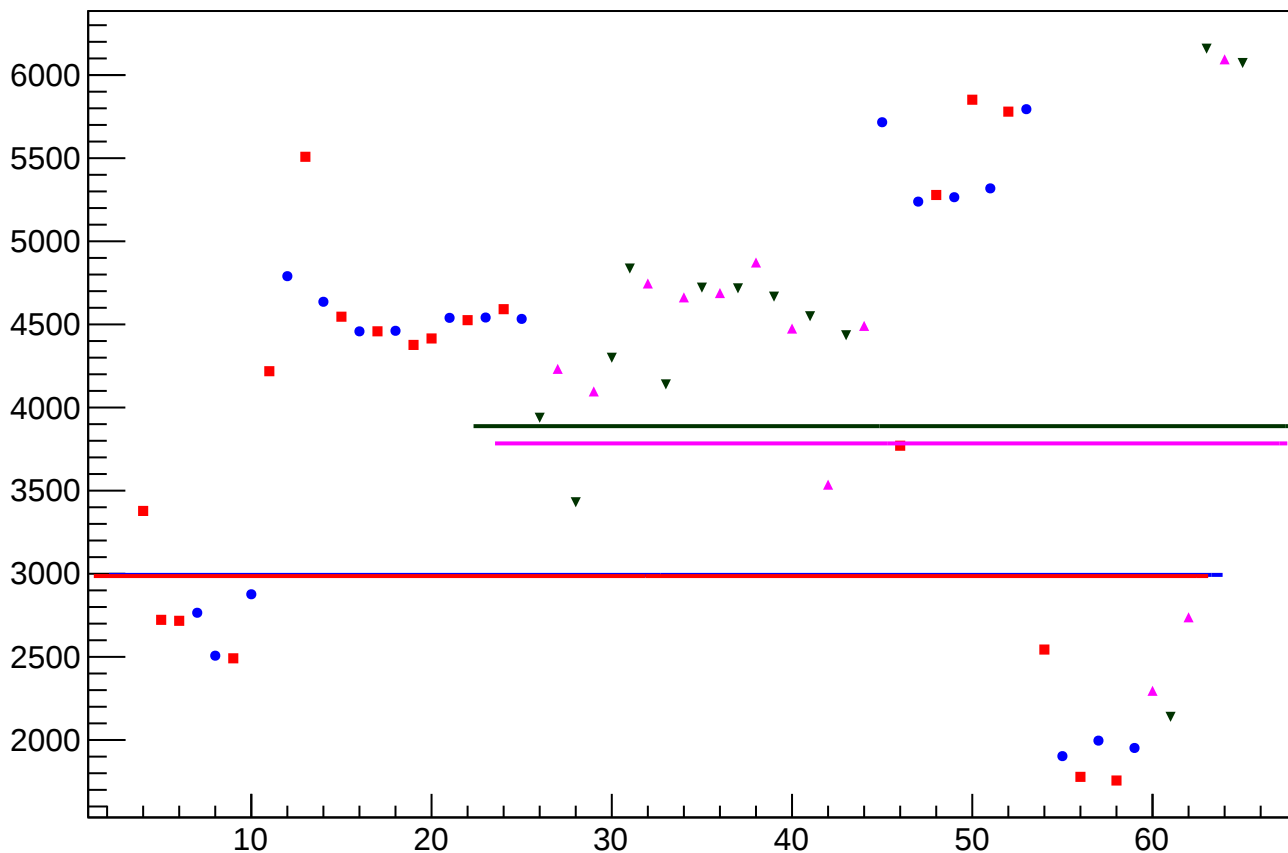
Right Out: -1.438 $\pm$ 1.040 χ^2 /NDF: 14.4/18

Left In: -1.001 $\pm$ 1.484 χ^2 /NDF:10.5/11

2.248 $\pm$ 0.830 χ^2 /NDF: 30.0/30

-1.294 $\pm$ 0.852 χ^2 /NDF: 24.9/30

diff_bpm4eY_rms vs slug



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

Left Out: 3887.973 $\pm$ 1.108 χ^2 /NDF:1039455.4/12

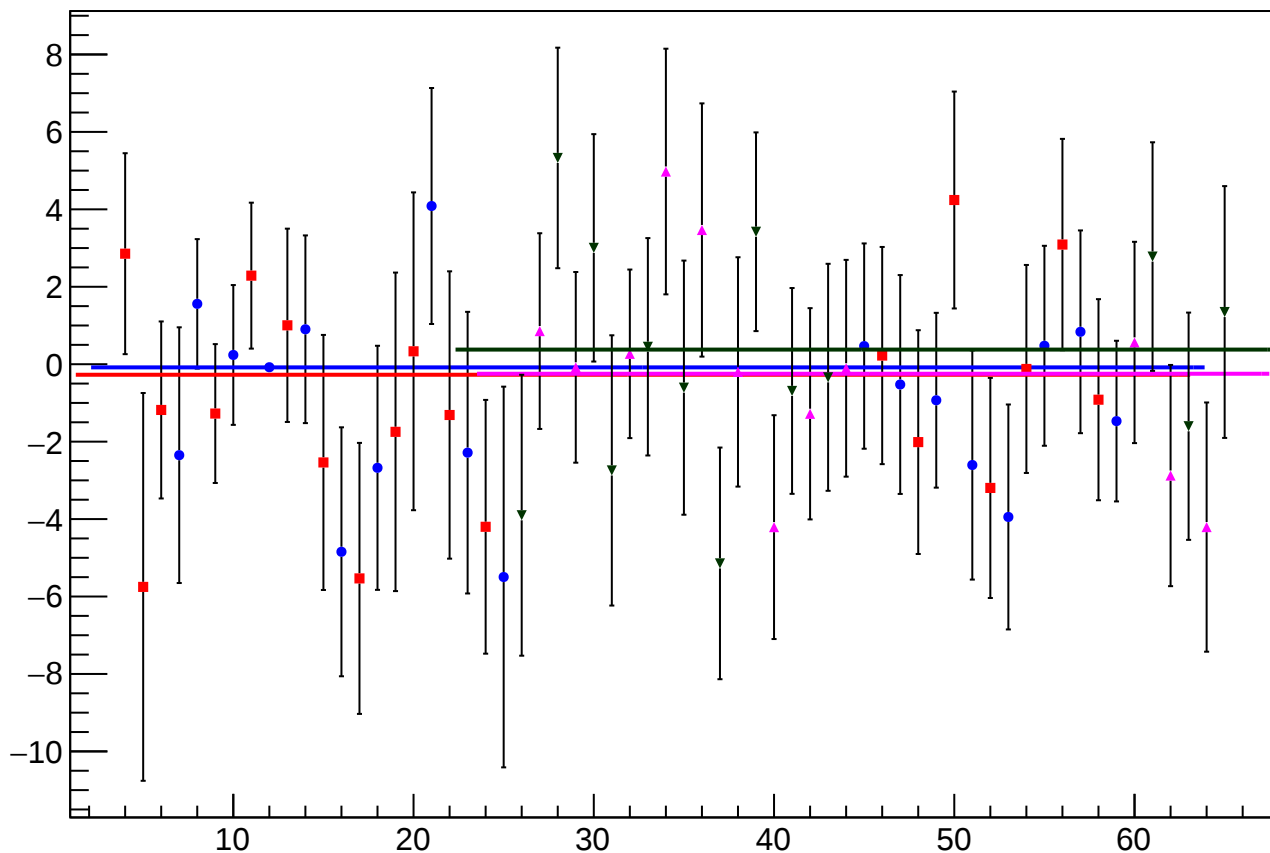
Right Out: 2986.116 $\pm$ 0.736 χ^2 /NDF: 2945634.2/18

Left In: 3784.149 $\pm$ 1.049 χ^2 /NDF:970929.1/11

3244.491 $\pm$ 0.587 χ^2 /NDF: 4826610.0/30

3249.055 $\pm$ 0.602 χ^2 /NDF: 4304377.1/30

diff_bpm4acX_mean vs slug



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

Left Out: 0.378 ± 0.826 $\chi^2/\text{NDF}: 12.3/12$

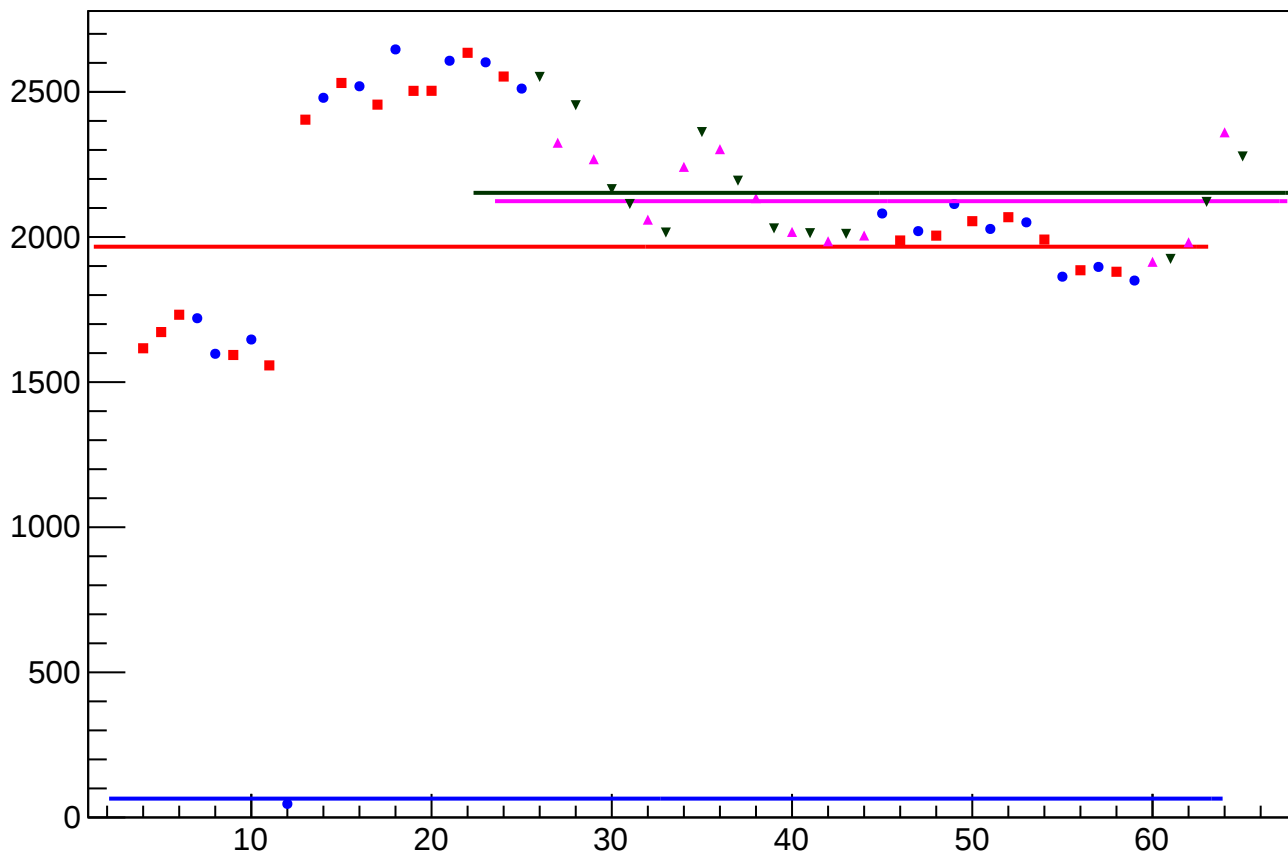
Right Out: -0.272 ± 0.631 $\chi^2/\text{NDF}: 15.3/18$

Left In: -0.246 ± 0.794 $\chi^2/\text{NDF}: 8.7/11$

-0.079 ± 0.060 $\chi^2/\text{NDF}: 23.9/30$

-0.262 ± 0.494 $\chi^2/\text{NDF}: 24.0/30$

diff_bpm4acX_rms vs slug



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

Left Out: 2152.211+/-0.584 χ^2 /NDF:90054.8/12

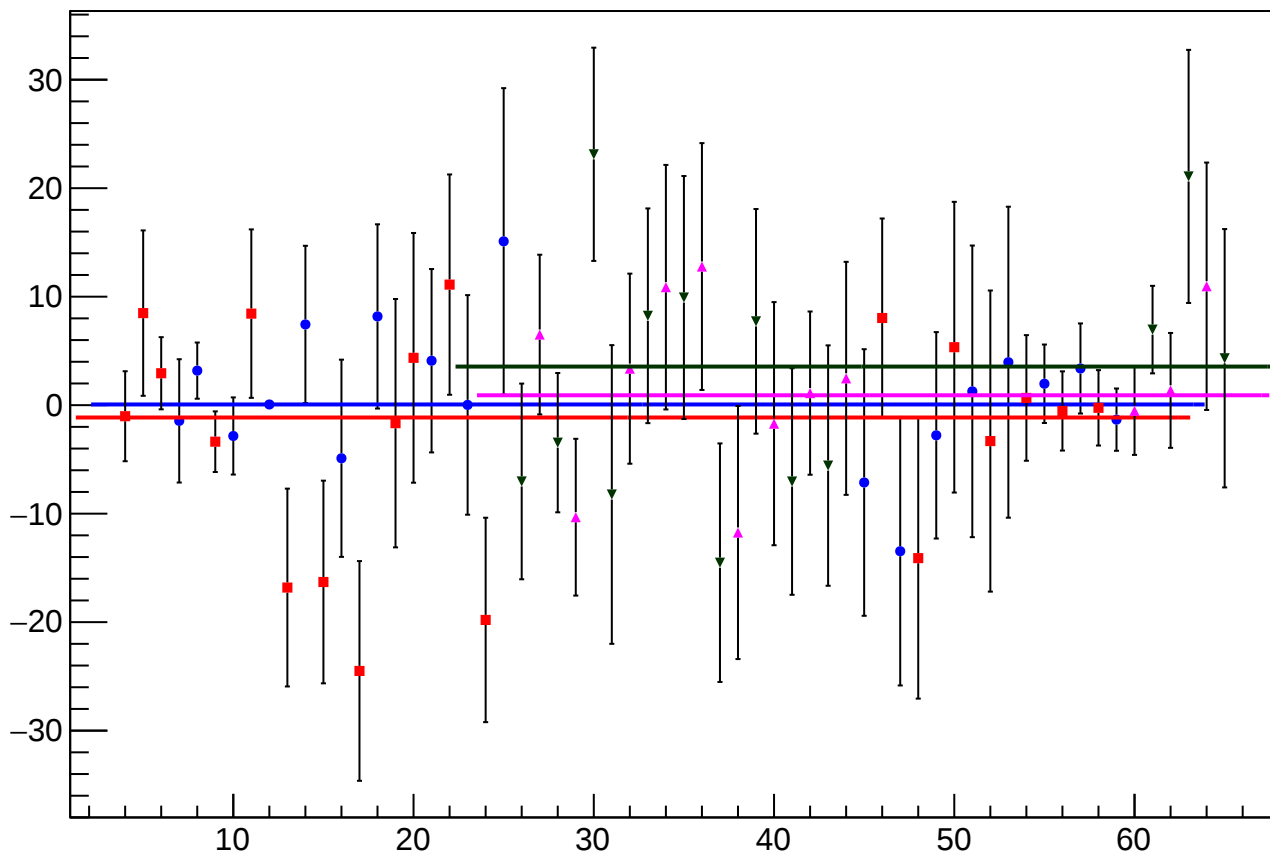
Right Out: 1966.634+/-0.446 χ^2 /NDF: 610680.3/18

Left In: 2123.494+/-0.561 χ^2 /NDF:70206.7/11

75.873+/-0.042 χ^2 /NDF: 33038407.4/30

2027.422+/-0.349 χ^2 /NDF: 728750.5/30

diff_bpm4acY_mean vs slug



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

Left Out: 3.558 ± 2.350 χ^2/NDF : 15.4/12

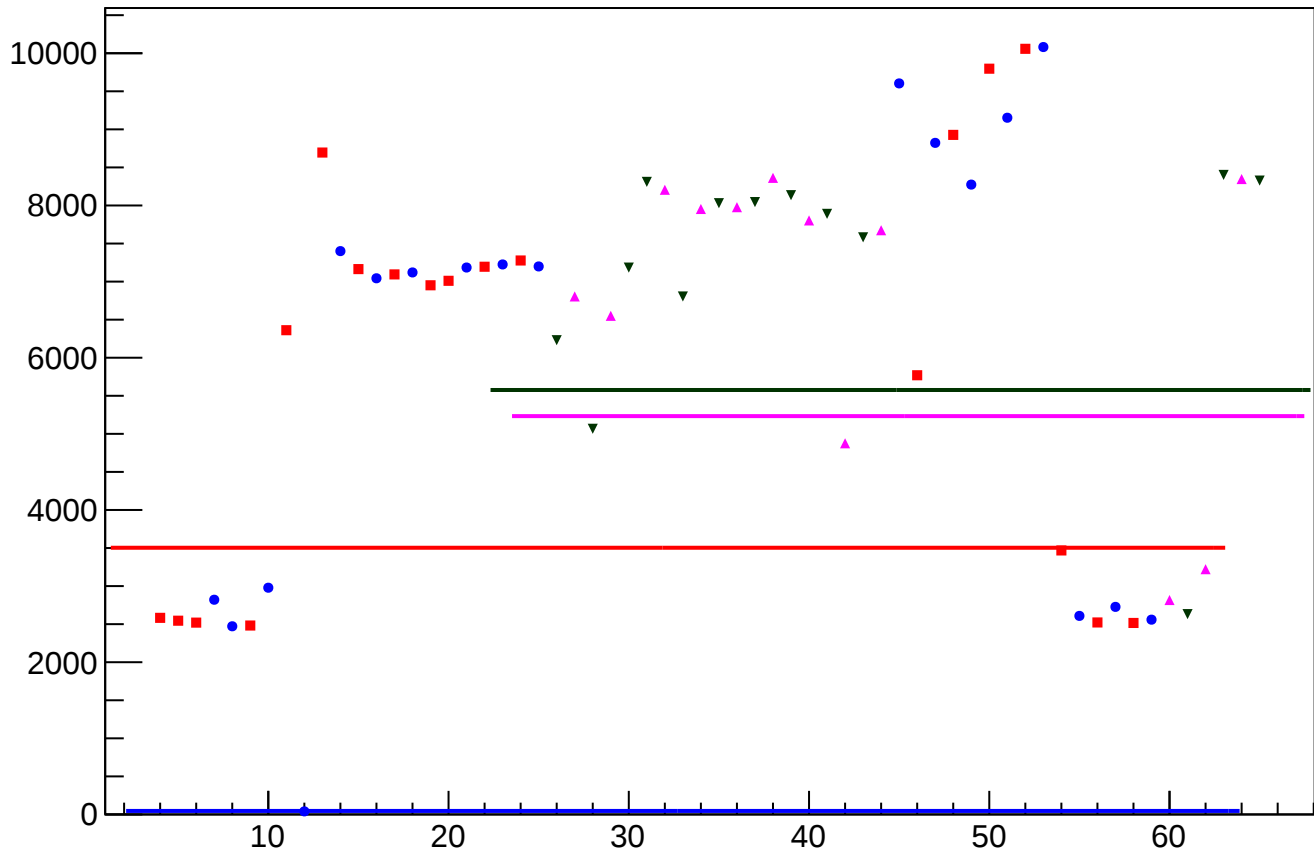
Right Out: -1.137 ± 1.295 χ^2/NDF : 24.2/18

Left In: 0.912 ± 2.173 χ^2/NDF : 7.1/11

0.067 ± 0.052 χ^2/NDF : 26.2/30

-0.600 ± 1.113 χ^2/NDF : 32.0/30

diff_bpm4acY_rms vs slug



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

Left Out: 5576.075+/-1.661 χ^2/NDF :1958598.3/12

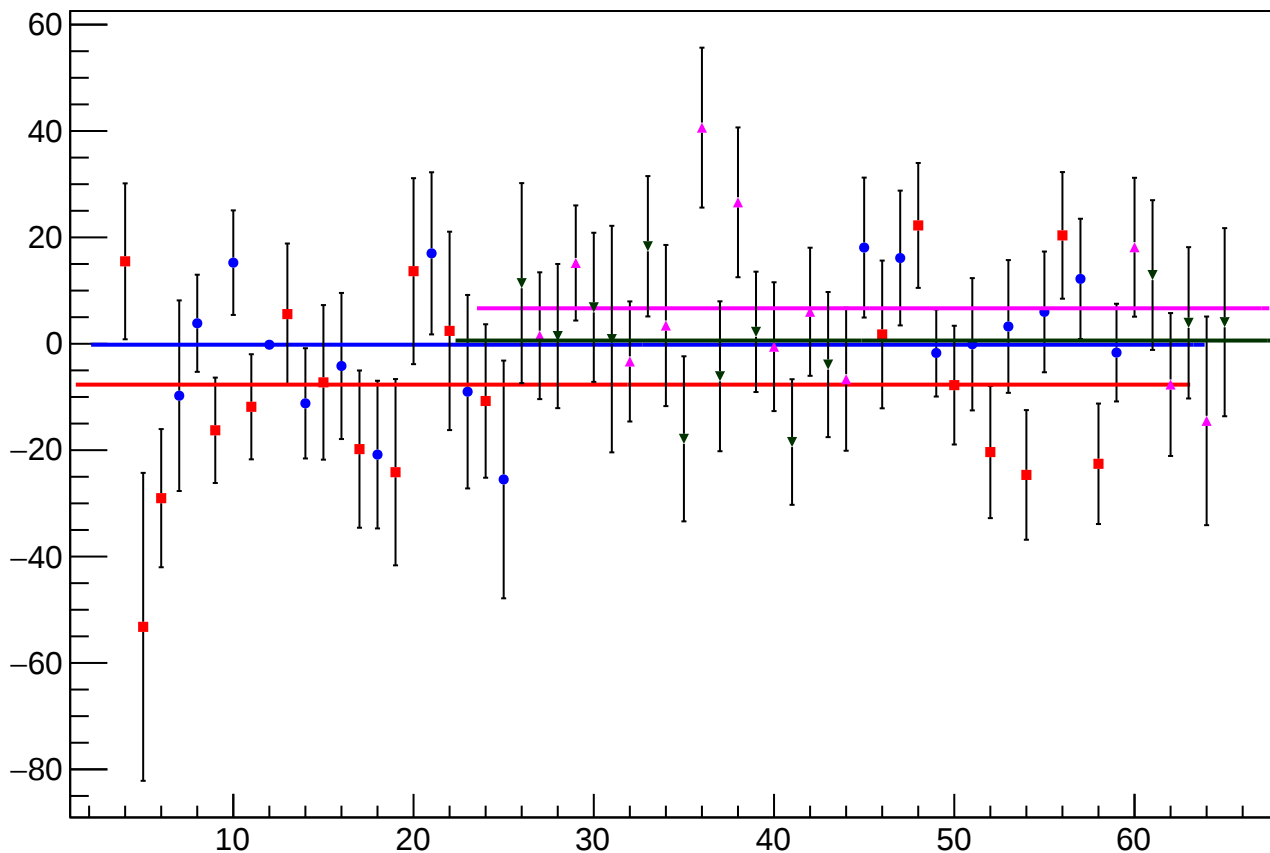
Right Out: 3503.720+/-0.916 χ^2/NDF : 4669685.2/18

Left In: 5232.904+/-1.537 χ^2/NDF :2122630.5/11

48.972+/-0.037 χ^2/NDF : 33207929.4/30

3957.023+/-0.787 χ^2/NDF : 7726793.1/30

diff_bpm4ecX_mean vs slug



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

Left Out: 0.609 ± 3.951 χ^2/NDF : 7.6/12

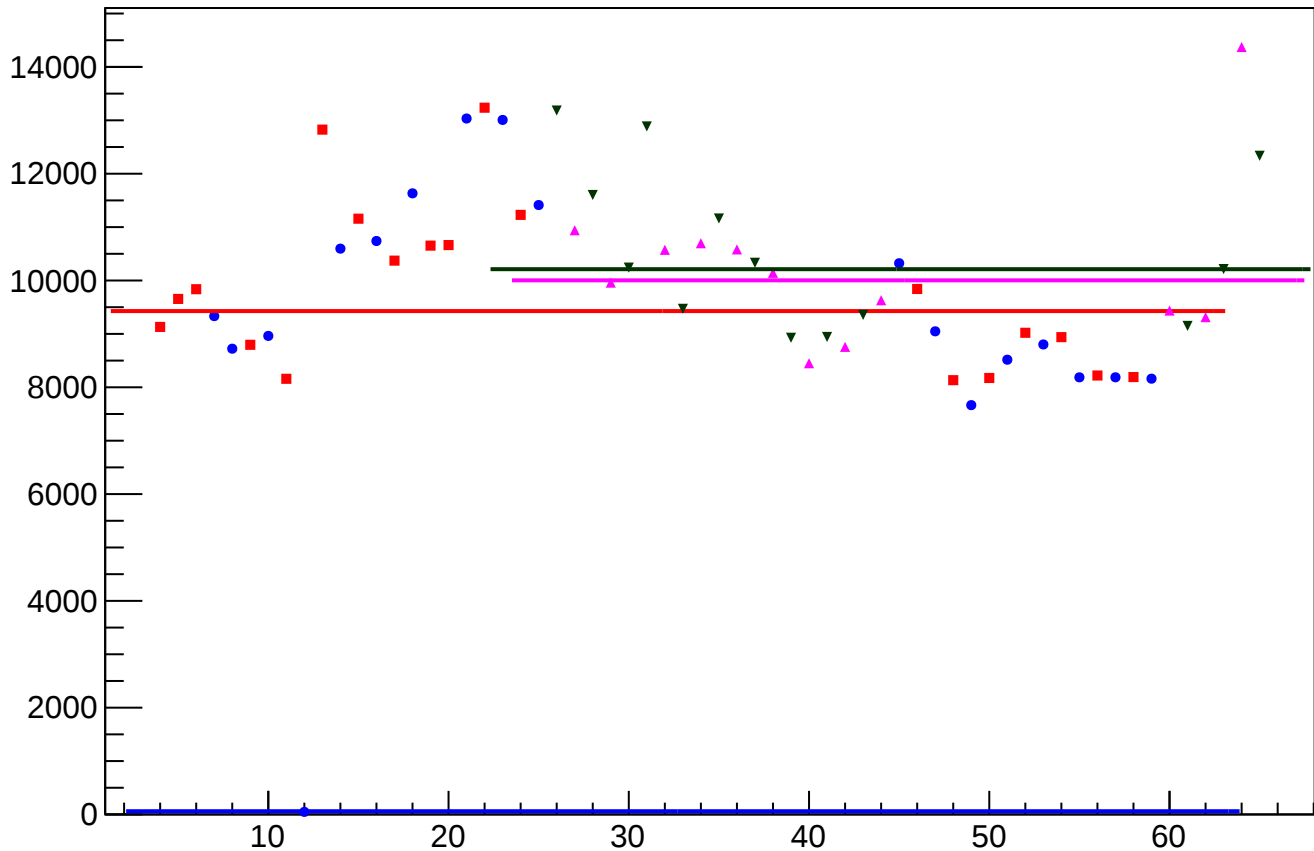
Right Out: -7.679 ± 3.015 χ^2/NDF : 30.2/18

Left In: 6.673 ± 3.766 χ^2/NDF : 13.2/11

-0.173 ± 0.106 χ^2/NDF : 22.0/30

-2.072 ± 2.354 χ^2/NDF : 52.2/30

diff_bpm4ecX_rms vs slug



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

Left Out: 10212.010+/-2.794 χ^2/NDF : 213487.0/12

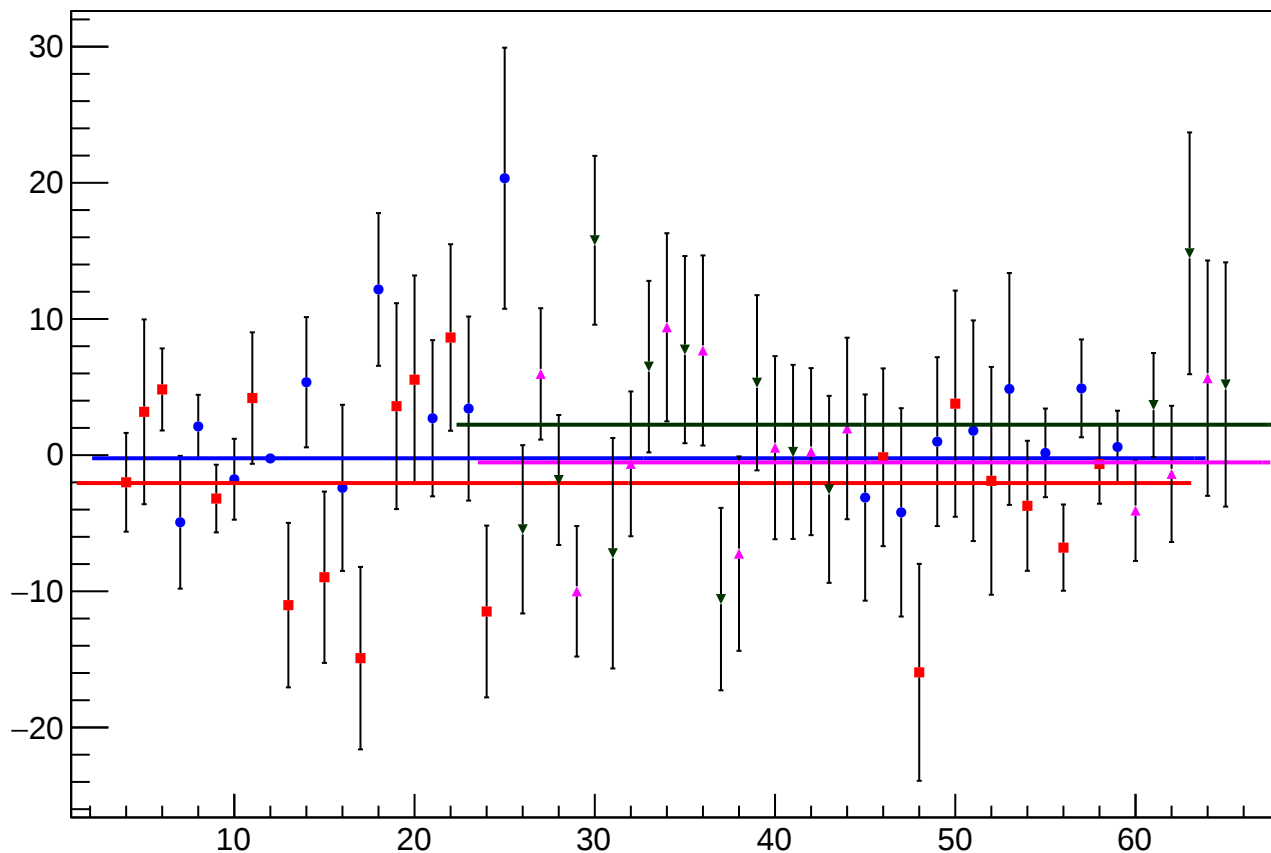
Right Out: 9427.549+/-2.132 χ^2/NDF : 447350.4/18

Left In: 10003.147+/-2.663 χ^2/NDF : 189076.0/11

68.105+/-0.075 χ^2/NDF : 34528102.7/30

9652.429+/-1.664 χ^2/NDF : 664896.5/30

diff_bpm4ecY_mean vs slug



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

Left Out: 2.235 ± 1.710 $\chi^2/\text{NDF}: 16.1/12$

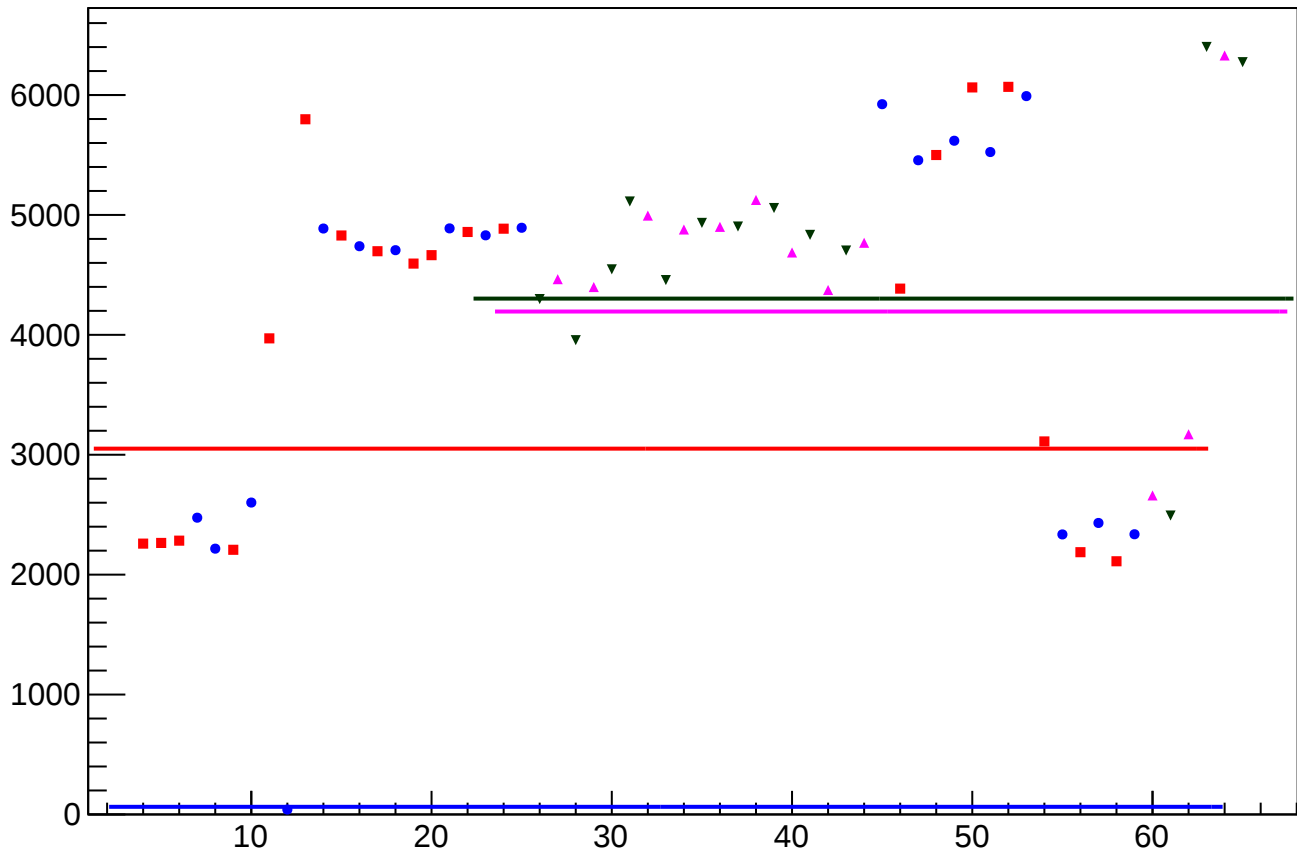
Right Out: -2.049 ± 1.055 $\chi^2/\text{NDF}: 27.2/18$

Left In: -0.533 ± 1.621 $\chi^2/\text{NDF}: 11.7/11$

-0.223 ± 0.090 $\chi^2/\text{NDF}: 35.0/30$

-1.598 ± 0.884 $\chi^2/\text{NDF}: 39.5/30$

diff_bpm4ecY_rms vs slug



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

Left Out: 4302.285+/-1.209 χ^2/NDF : 771061.3/12

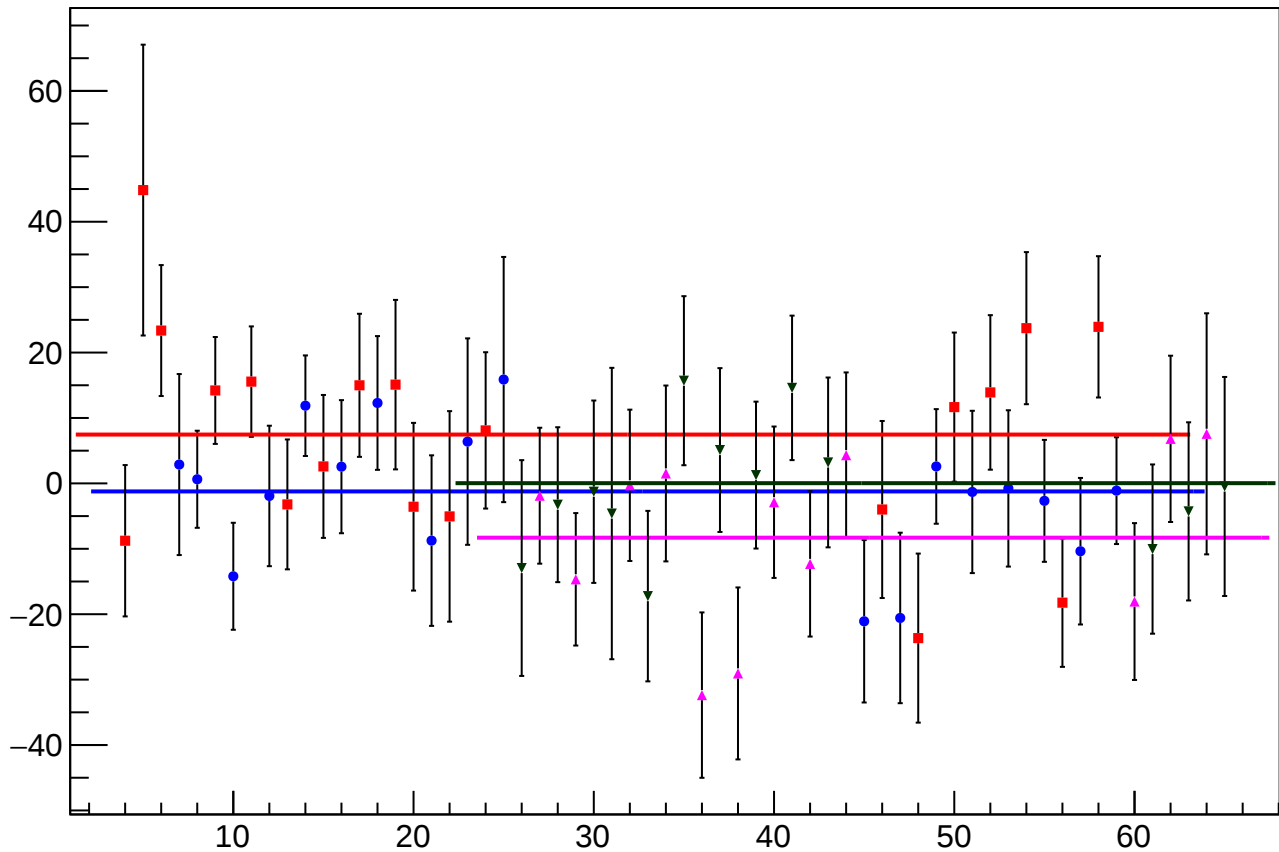
75.373+/-0.063 χ^2/NDF : 33298156.0/30

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

3391.348+/-0.625 χ^2/NDF : 4287506.9/30

Left In: 4194.410+/-1.146 χ^2/NDF : 706301.9/11

diff_bpm1X_mean vs slug



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

Left Out: 0.033 ± 3.696 $\chi^2/\text{NDF}: 6.7/12$

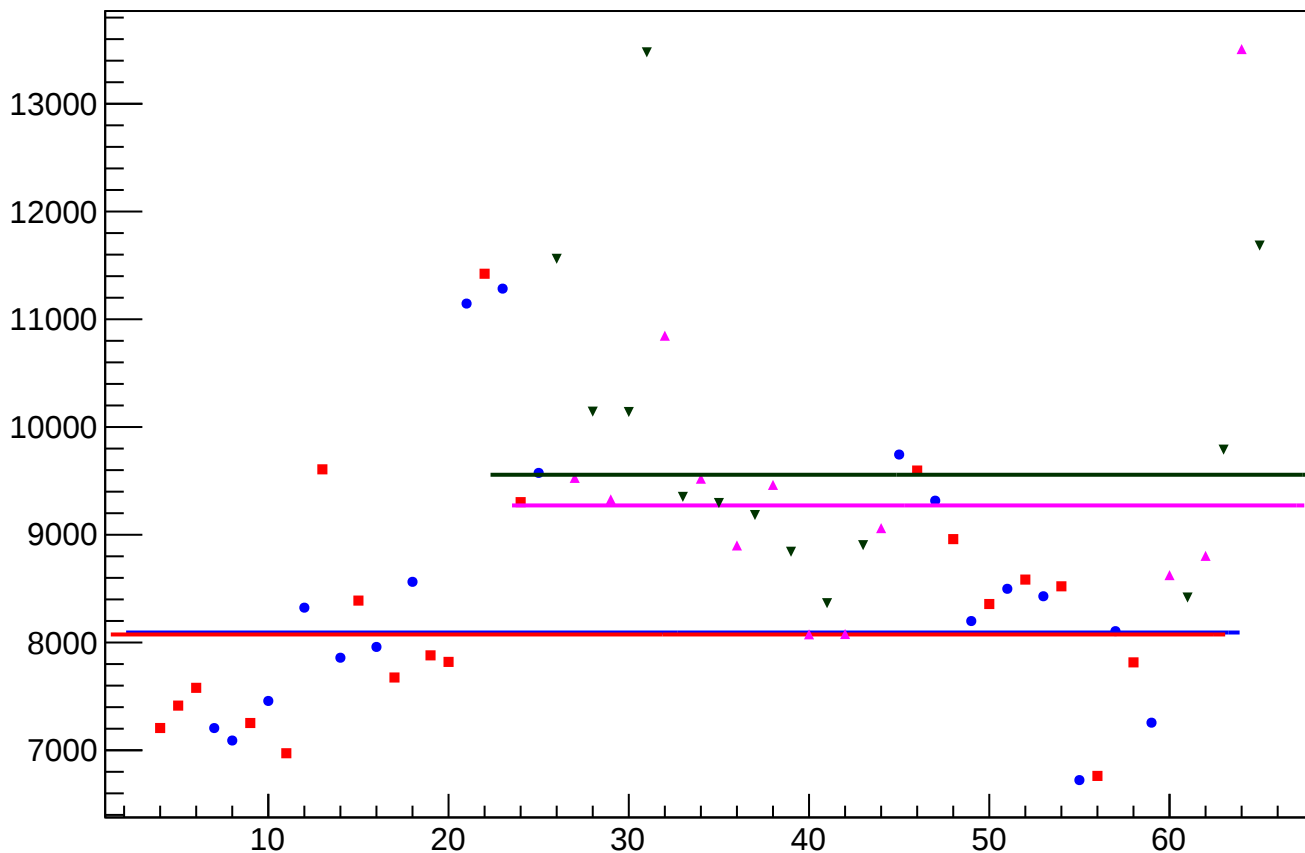
Right Out: 7.465 ± 2.574 $\chi^2/\text{NDF}: 30.5/18$

Left In: -8.302 ± 3.492 $\chi^2/\text{NDF}: 12.1/11$

-0.848 ± 2.031 $\chi^2/\text{NDF}: 21.2/30$

1.916 ± 2.072 $\chi^2/\text{NDF}: 55.8/30$

diff_bpm1X_rms vs slug



Right In: 8092.852+/-1.719 χ^2/NDF : 389353.1/17

Left Out: 9556.925+/-2.613 χ^2/NDF :187806.4/12

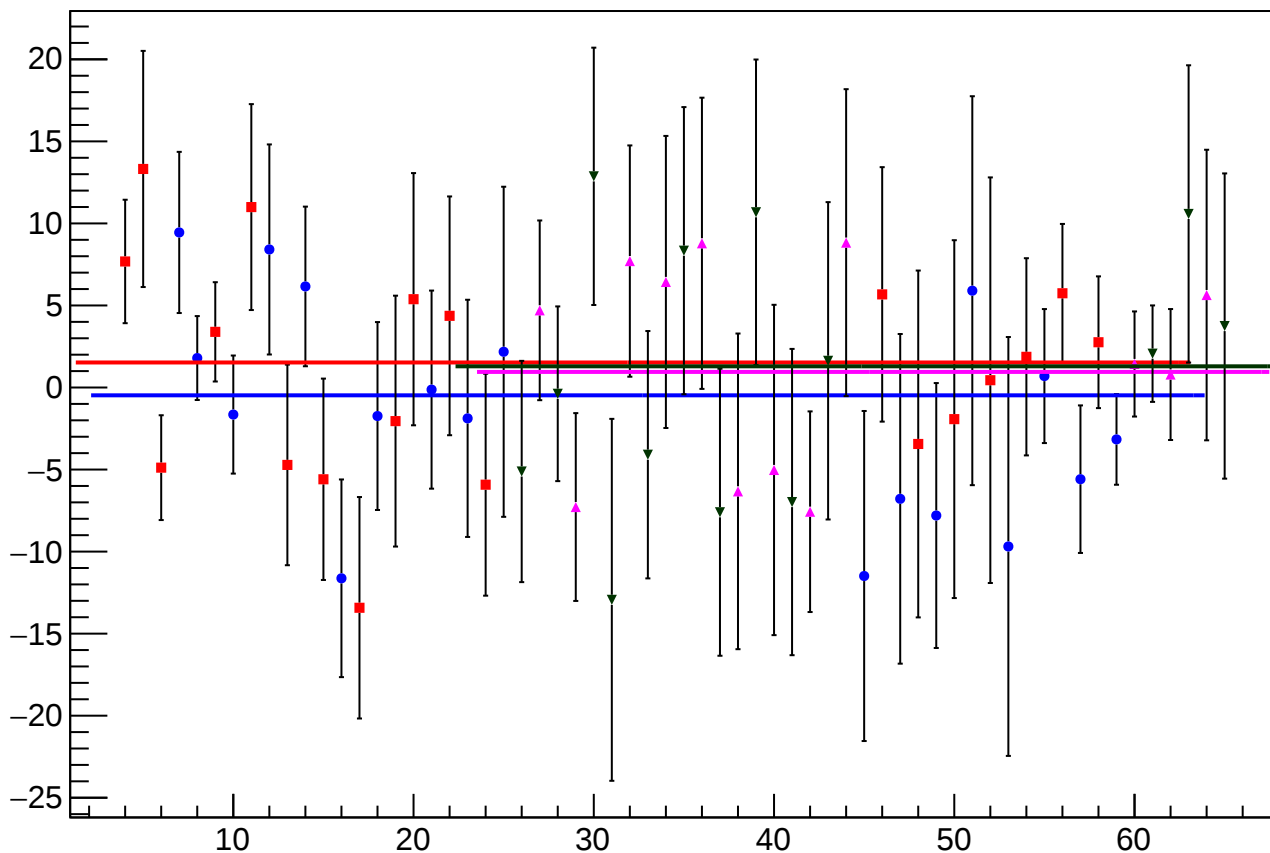
8534.883+/-1.436 χ^2/NDF : 796277.8/30

Right Out: 8074.654+/-1.820 χ^2/NDF : 312658.9/18

8496.188+/-1.465 χ^2/NDF : 665494.5/30

Left In: 9272.277+/-2.469 χ^2/NDF :200422.6/11

diff_bpm1Y_mean vs slug



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

Left Out: 1.291 ± 1.830 $\chi^2/\text{NDF}: 10.0/12$

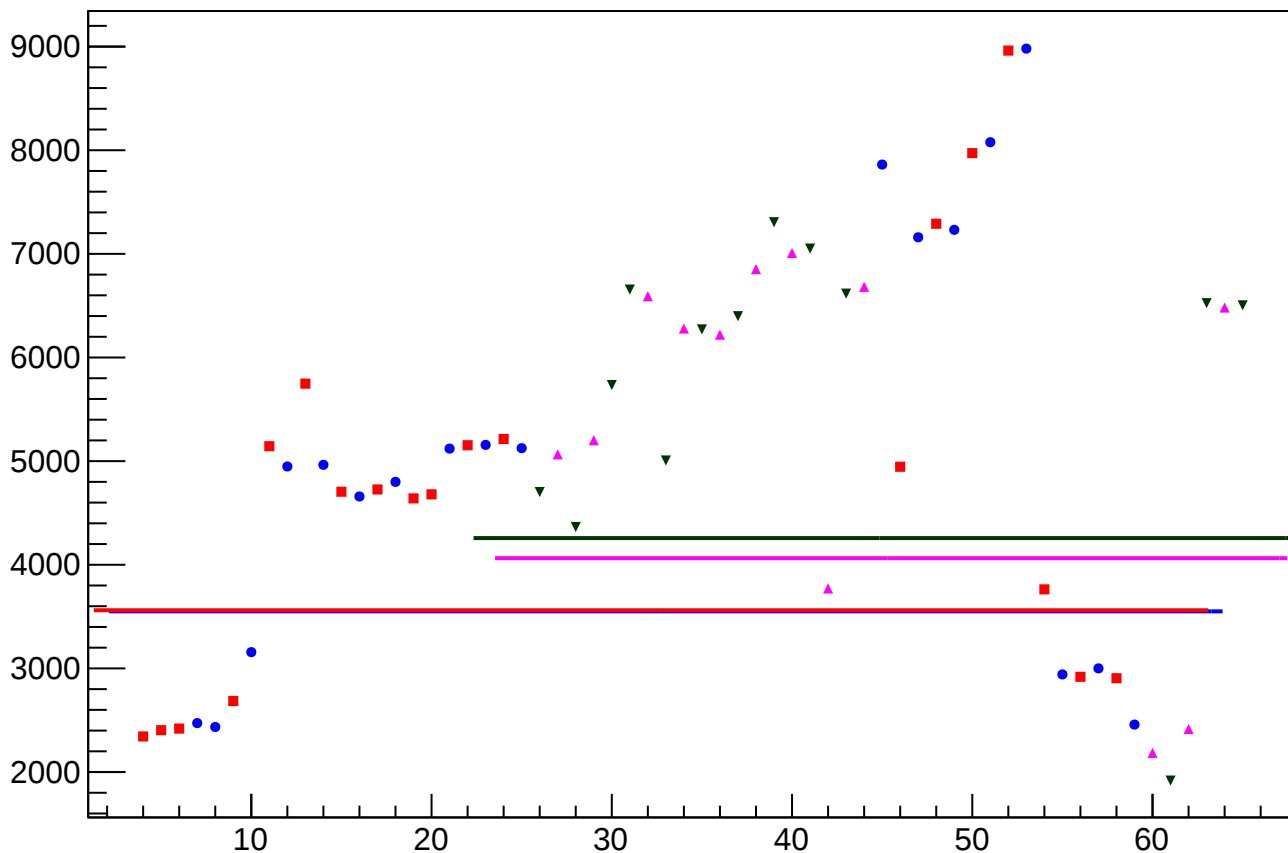
Right Out: 1.525 ± 1.232 $\chi^2/\text{NDF}: 22.9/18$

Left In: 0.950 ± 1.712 $\chi^2/\text{NDF}: 8.5/11$

0.031 ± 0.980 $\chi^2/\text{NDF}: 28.6/30$

1.329 ± 1.000 $\chi^2/\text{NDF}: 31.5/30$

diff_bpm1Y_rms vs slug



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

Left Out: 4257.588+/-1.294 χ^2/NDF : 2442377.7/12

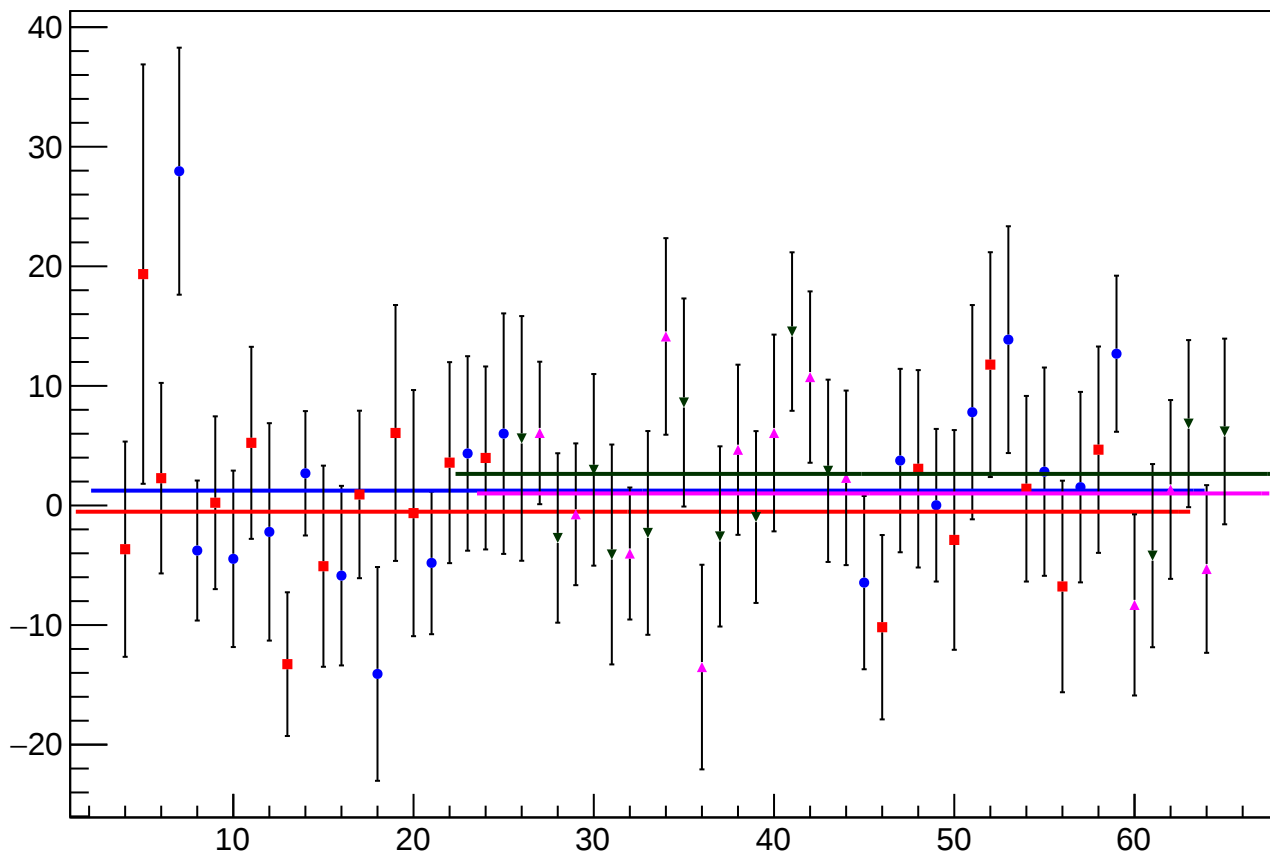
Right Out: 3561.233+/-0.871 χ^2/NDF : 2618224.4/18

Left In: 4063.577+/-1.211 χ^2/NDF : 2324872.7/11

3753.471+/-0.693 χ^2/NDF : 5949334.7/30

3732.595+/-0.707 χ^2/NDF : 5056563.2/30

diff_bpm11X_mean vs slug



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

Left Out: 2.640 ± 2.157 $\chi^2/\text{NDF}: 7.3/12$

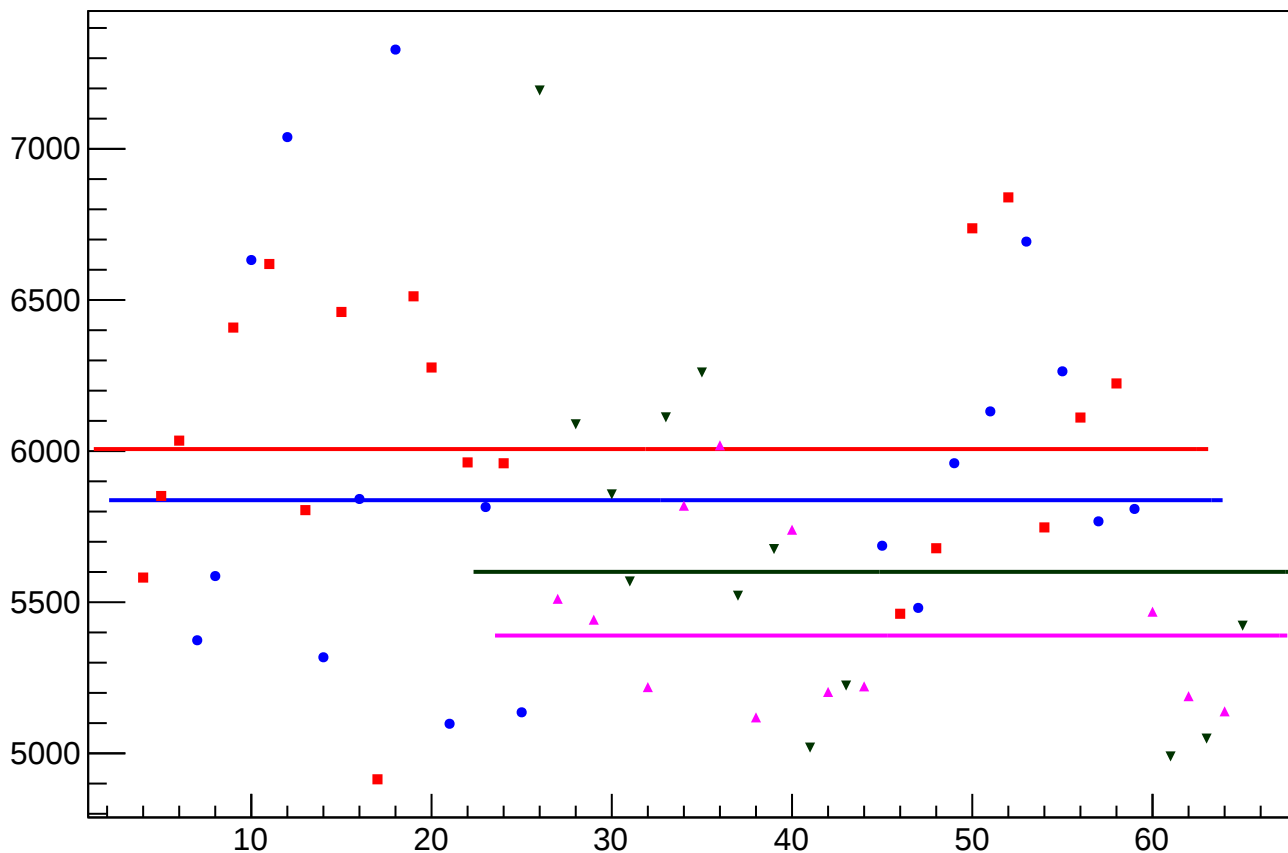
Right Out: -0.521 ± 1.907 $\chi^2/\text{NDF}: 12.3/18$

Left In: 1.006 ± 2.015 $\chi^2/\text{NDF}: 11.9/11$

1.798 ± 1.360 $\chi^2/\text{NDF}: 27.7/30$

0.200 ± 1.385 $\chi^2/\text{NDF}: 24.5/30$

diff_bpm11X_rms vs slug



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

Left Out: 5600.500+/-1.525 χ^2/NDF :125678.6/12

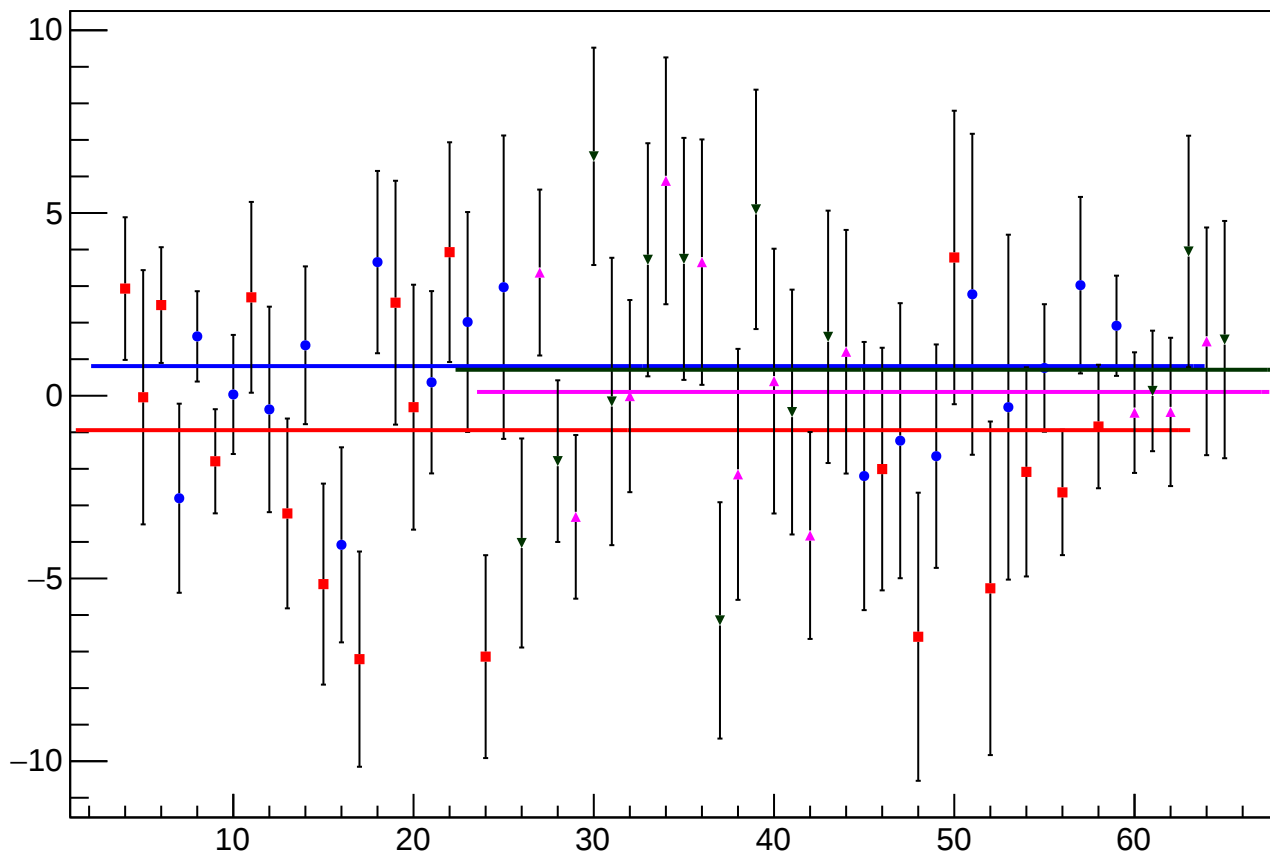
Right Out: 6006.736+/-1.348 χ^2/NDF : 130455.1/18

Left In: 5389.776+/-1.425 χ^2/NDF :32344.9/11

5743.372+/-0.961 χ^2/NDF : 351552.5/30

5715.279+/-0.979 χ^2/NDF : 261743.1/30

diff_bpm11Y_mean vs slug



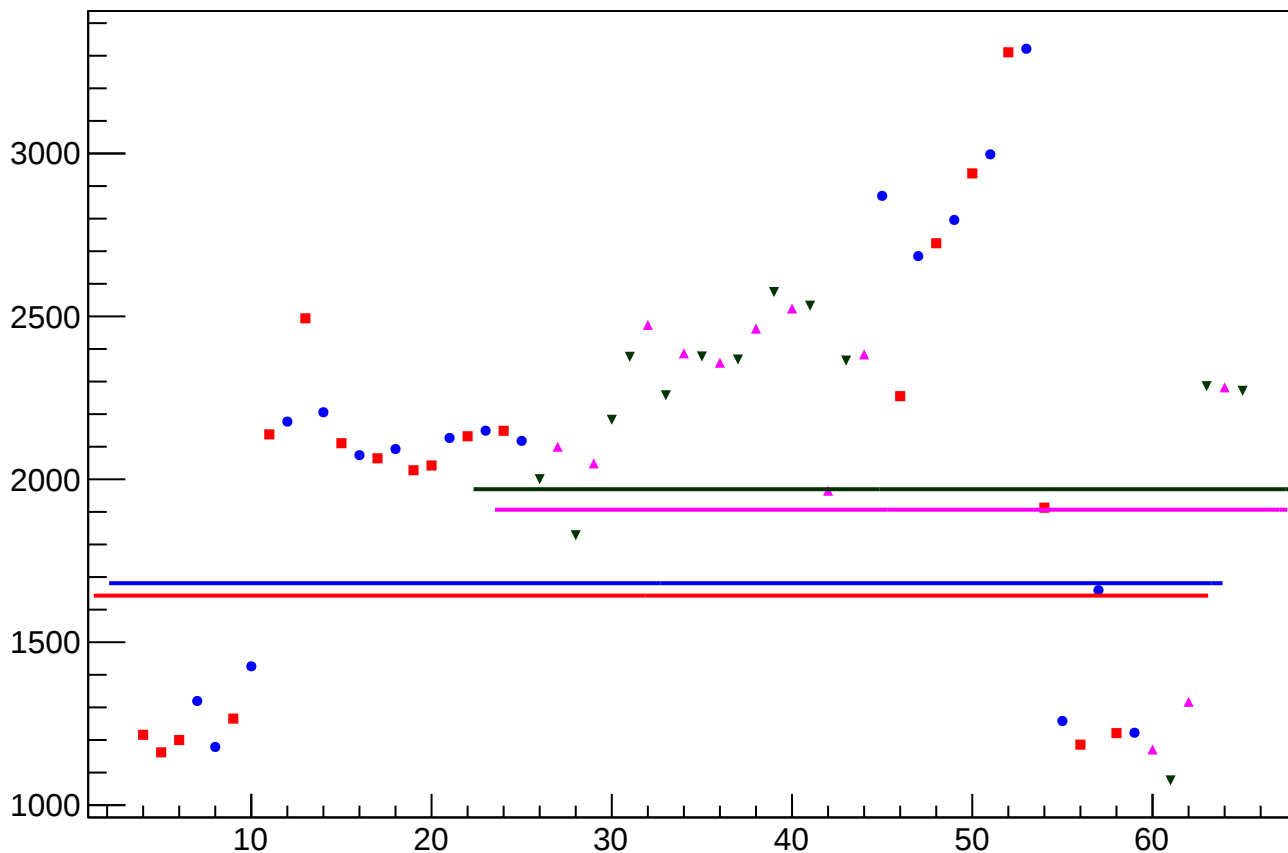
Right In: 0.811 ± 0.532 χ^2/NDF : 11.3/17

Left Out: 0.779 ± 0.441 χ^2/NDF : 28.7/30

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

Left In: 0.104 ± 0.745 χ^2/NDF : 11.3/11

diff_bpm11Y_rms vs slug



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

Left Out: 1969.613+/-0.556 χ^2/NDF : 892617.7/12

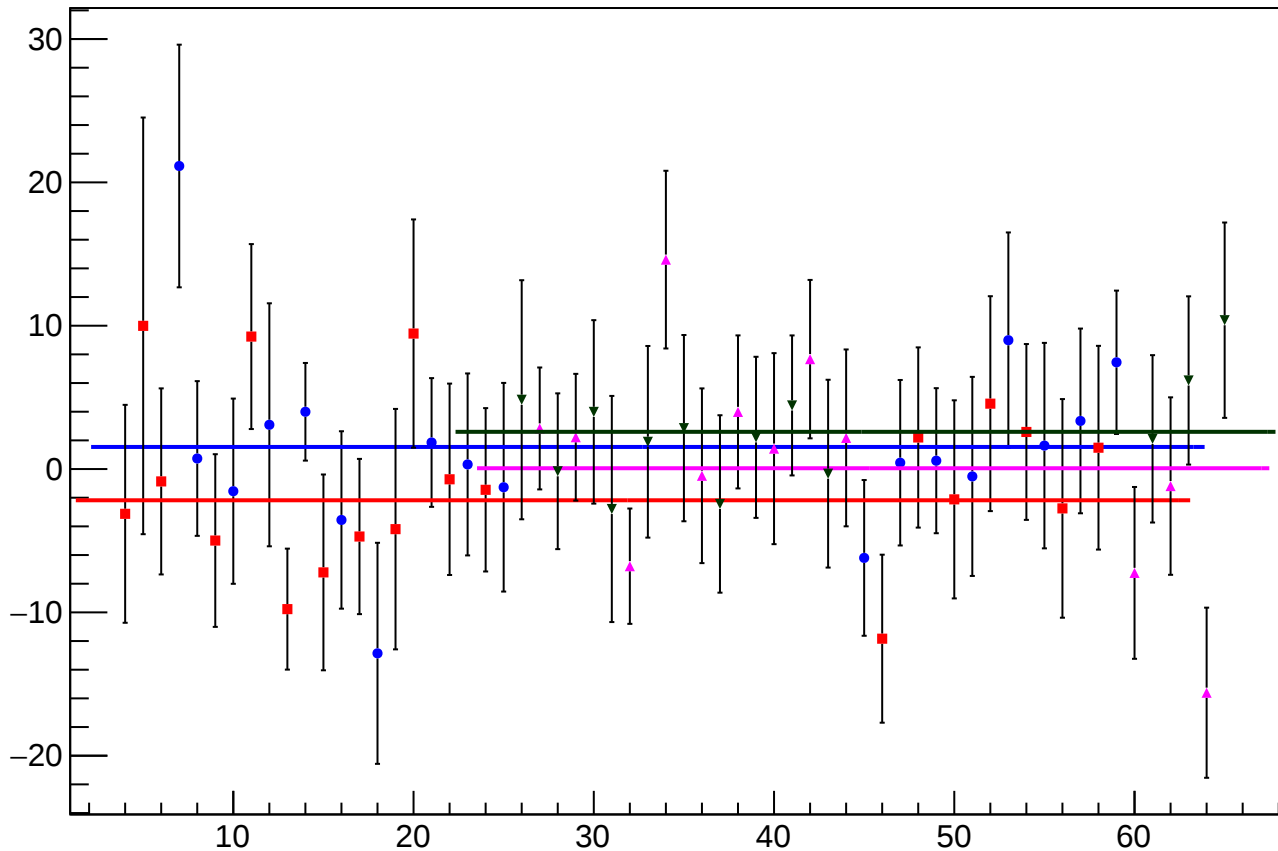
Right Out: 1643.071+/-0.391 χ^2/NDF : 1969332.5/18

Left In: 1906.610+/-0.527 χ^2/NDF : 940184.6/11

1771.782+/-0.312 χ^2/NDF : 3290207.7/30

1736.661+/-0.314 χ^2/NDF : 3071085.2/30

diff_bpm12X_mean vs slug



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

Left Out: 2.597 ± 1.721 χ^2/NDF : 3.5/12

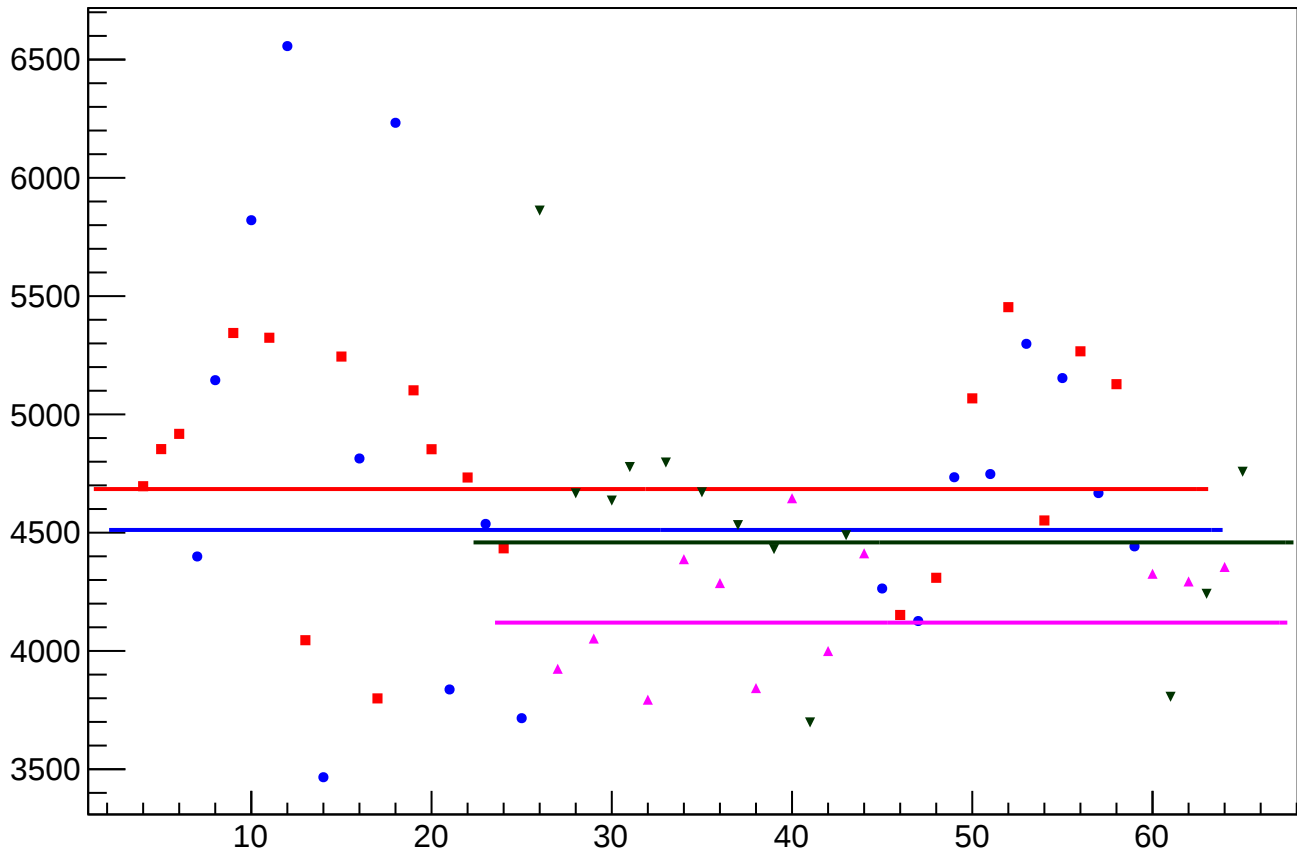
Right Out: -2.180 ± 1.492 χ^2/NDF : 15.2/18

Left In: 0.056 ± 1.543 χ^2/NDF : 20.2/11

1.951 ± 1.071 χ^2/NDF : 18.9/30

-1.099 ± 1.073 χ^2/NDF : 36.5/30

diff_bpm12X_rms vs slug



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

Left Out: 4458.811 $\pm$ 1.217 χ^2 /NDF:152010.1/12

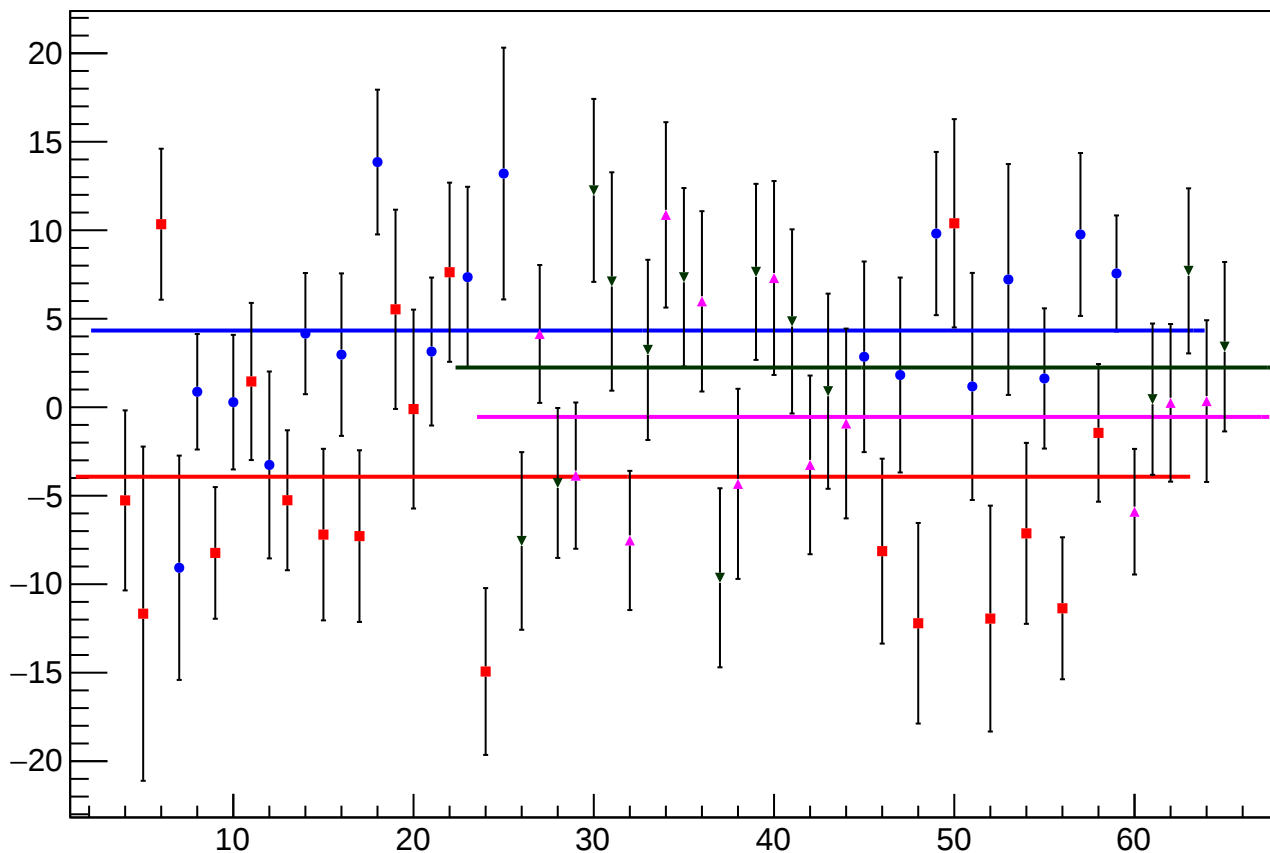
4491.072 $\pm$ 0.758 χ^2 /NDF: 800157.0/30

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

4411.456 $\pm$ 0.759 χ^2 /NDF: 432016.0/30

Left In: 4119.778 $\pm$ 1.091 χ^2 /NDF:53415.6/11

diff_bpm12Y_mean vs slug



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

Left Out: 2.243+/-1.373 χ^2/NDF : 20.2/12

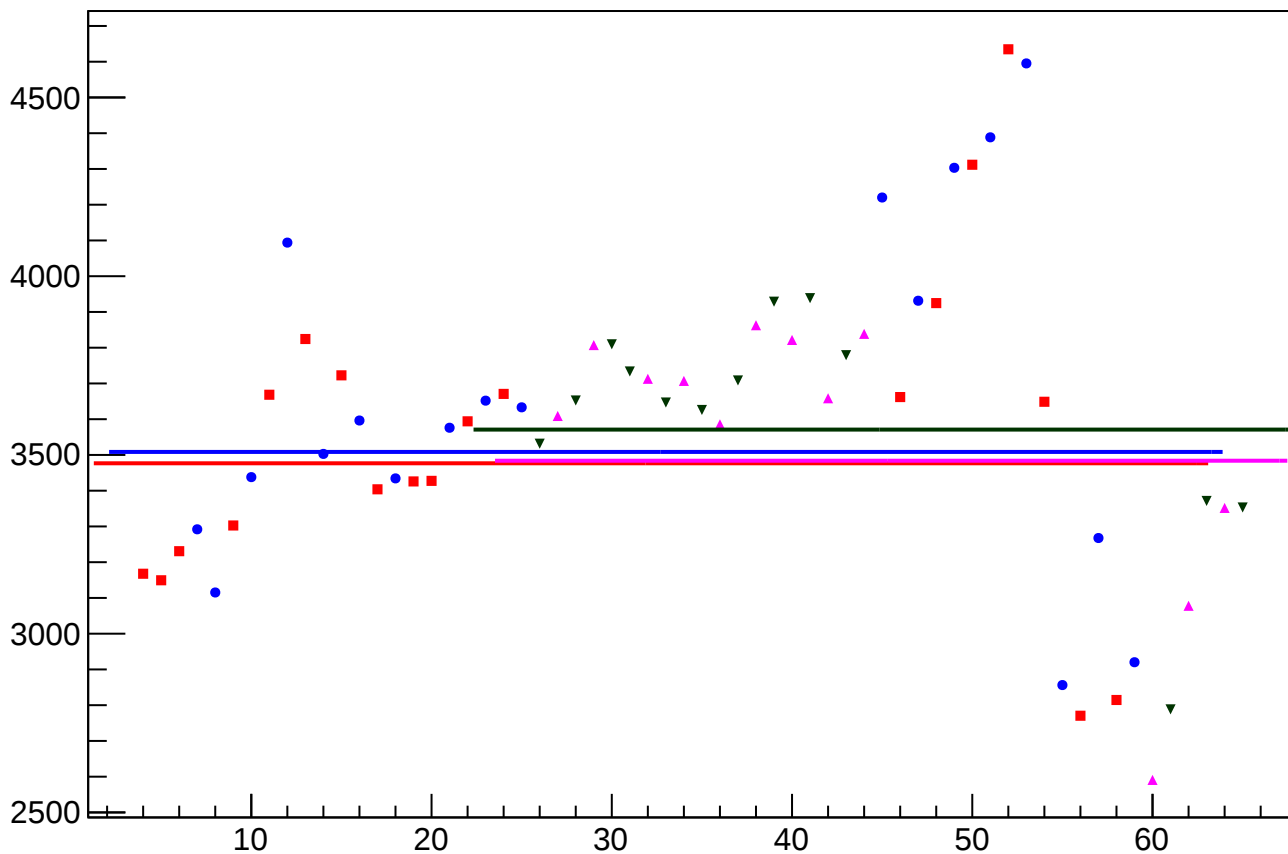
Right Out: -3.927+/-1.110 χ^2/NDF : 44.2/18

Left In: -0.548+/-1.309 χ^2/NDF : 16.8/11

3.557+/-0.837 χ^2/NDF : 42.9/30

-2.514+/-0.846 χ^2/NDF : 64.9/30

diff_bpm12Y_rms vs slug



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

Left Out: 3570.928 $\pm$ 0.971 χ^2 /NDF:106710.2/12

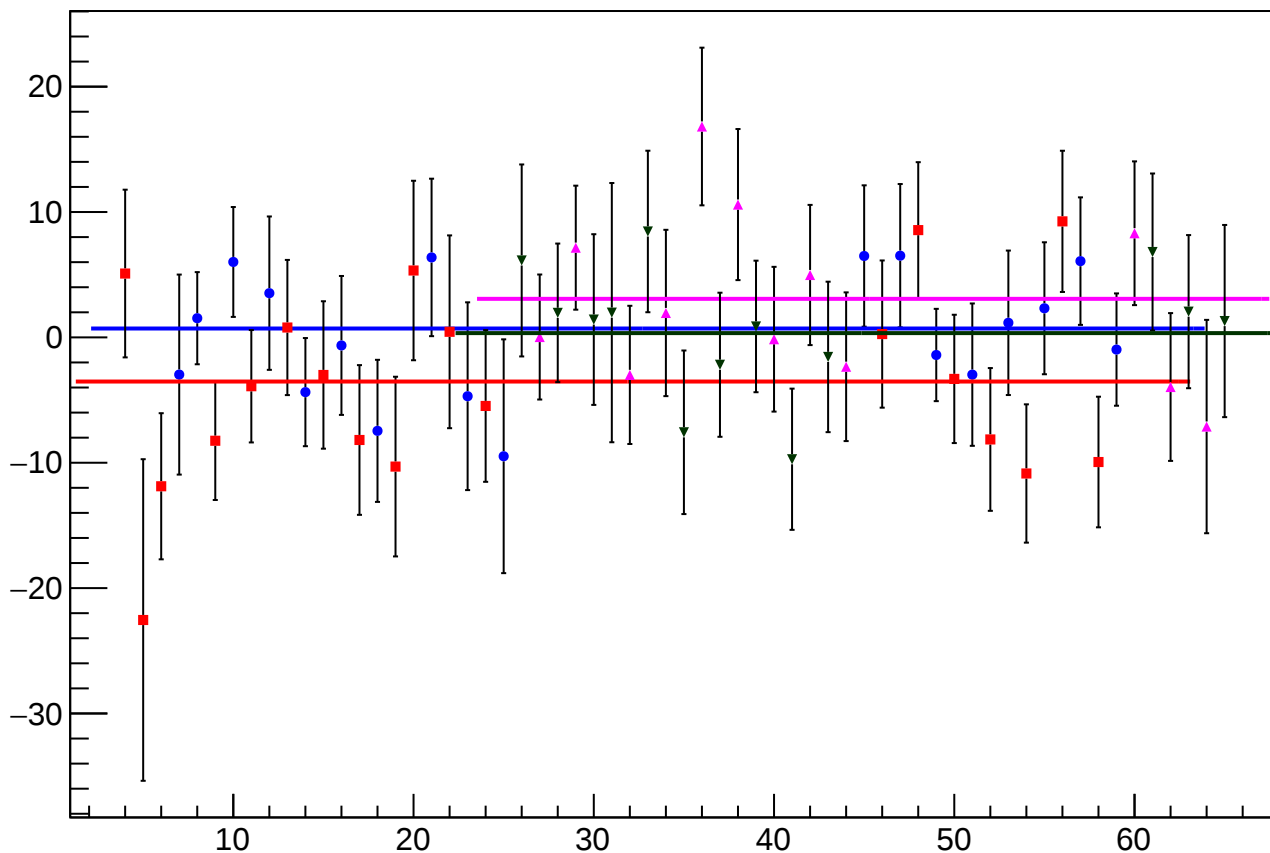
3531.657 $\pm$ 0.592 χ^2 /NDF: 493450.4/30

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

3479.668 $\pm$ 0.599 χ^2 /NDF: 492921.5/30

Left In: 3483.848 $\pm$ 0.925 χ^2 /NDF:199135.7/11

diff_bpm16X_mean vs slug



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

Left Out: 0.341 ± 1.758 $\chi^2/\text{NDF}: 8.4/12$

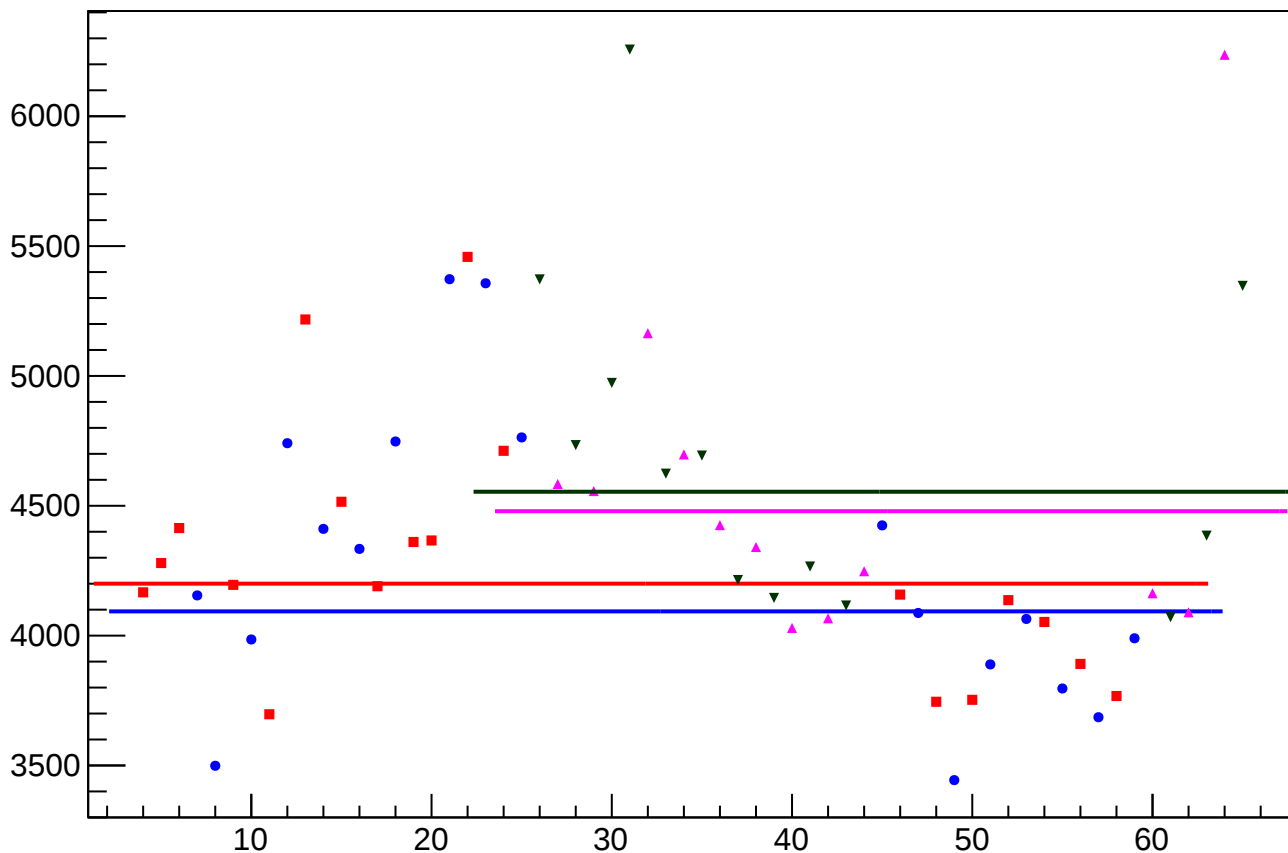
Right Out: -3.522 ± 1.336 $\chi^2/\text{NDF}: 25.4/18$

Left In: 3.075 ± 1.683 $\chi^2/\text{NDF}: 13.6/11$

0.587 ± 1.007 $\chi^2/\text{NDF}: 20.6/30$

-0.972 ± 1.046 $\chi^2/\text{NDF}: 48.5/30$

diff_bpm16X_rms vs slug



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

Left Out: 4554.077 $\pm$ 1.243 χ^2 /NDF:157746.1/12

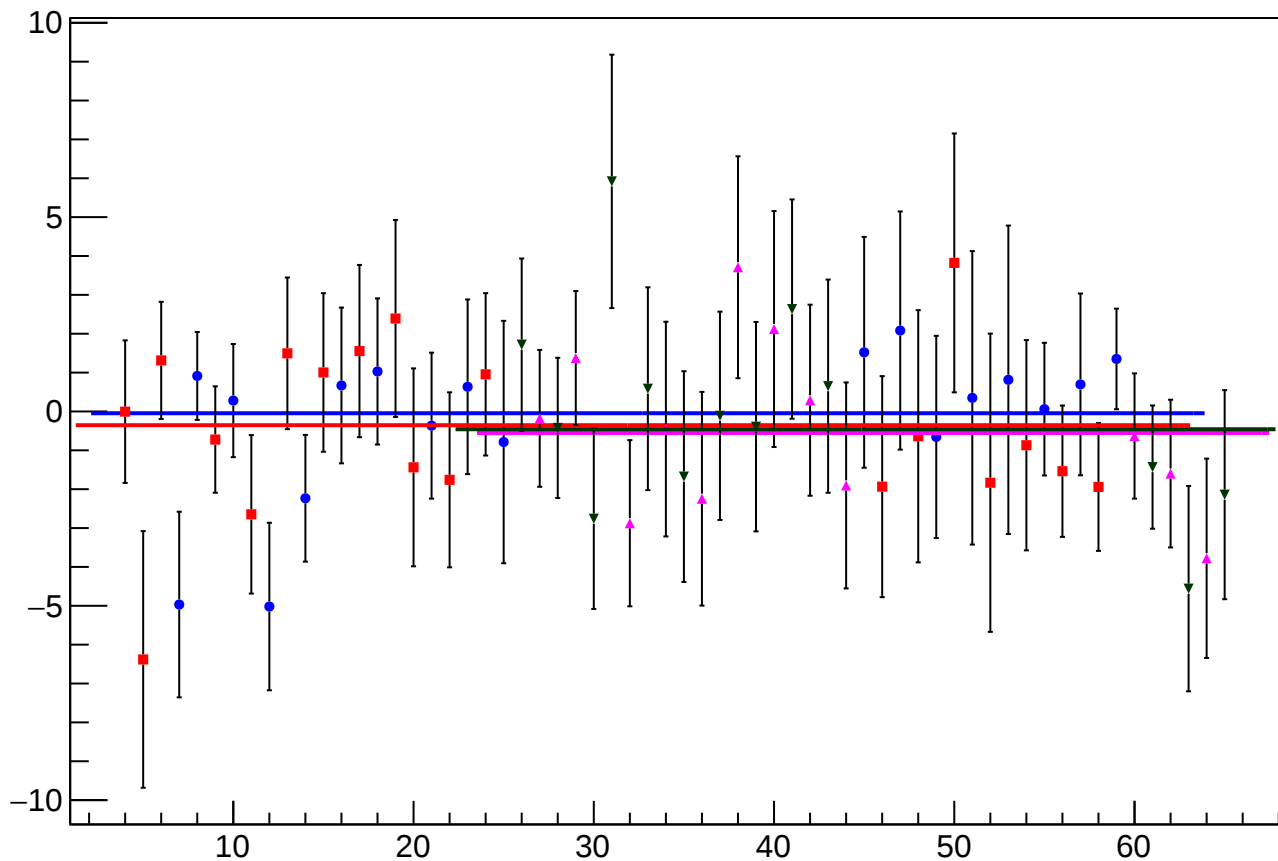
Right Out: 4200.125 $\pm$ 0.945 χ^2 /NDF: 225858.3/18

Left In: 4479.131 $\pm$ 1.190 χ^2 /NDF:161828.8/11

4244.586 $\pm$ 0.712 χ^2 /NDF: 609706.9/30

4307.963 $\pm$ 0.740 χ^2 /NDF: 421402.9/30

diff_bpm16Y_mean vs slug



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

Left Out: -0.458 ± 0.661 χ^2/NDF : 10.7/12

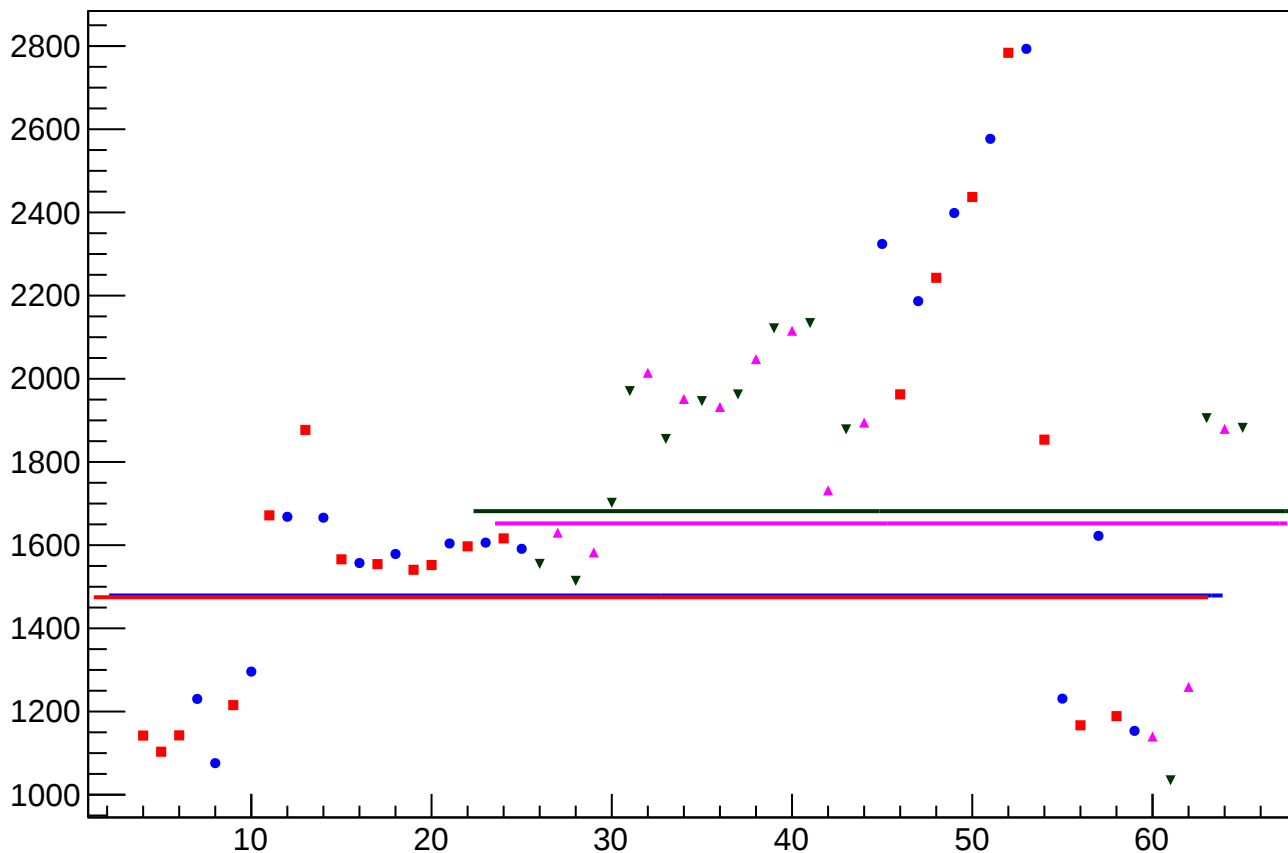
Right Out: -0.354 ± 0.483 χ^2/NDF : 13.6/18

Left In: -0.553 ± 0.633 χ^2/NDF : 8.1/11

-0.179 ± 0.377 χ^2/NDF : 25.9/30

-0.427 ± 0.384 χ^2/NDF : 21.8/30

diff_bpm16Y_rms vs slug



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

Left Out: 1681.724+/-0.467 χ^2/NDF : 562854.6/12

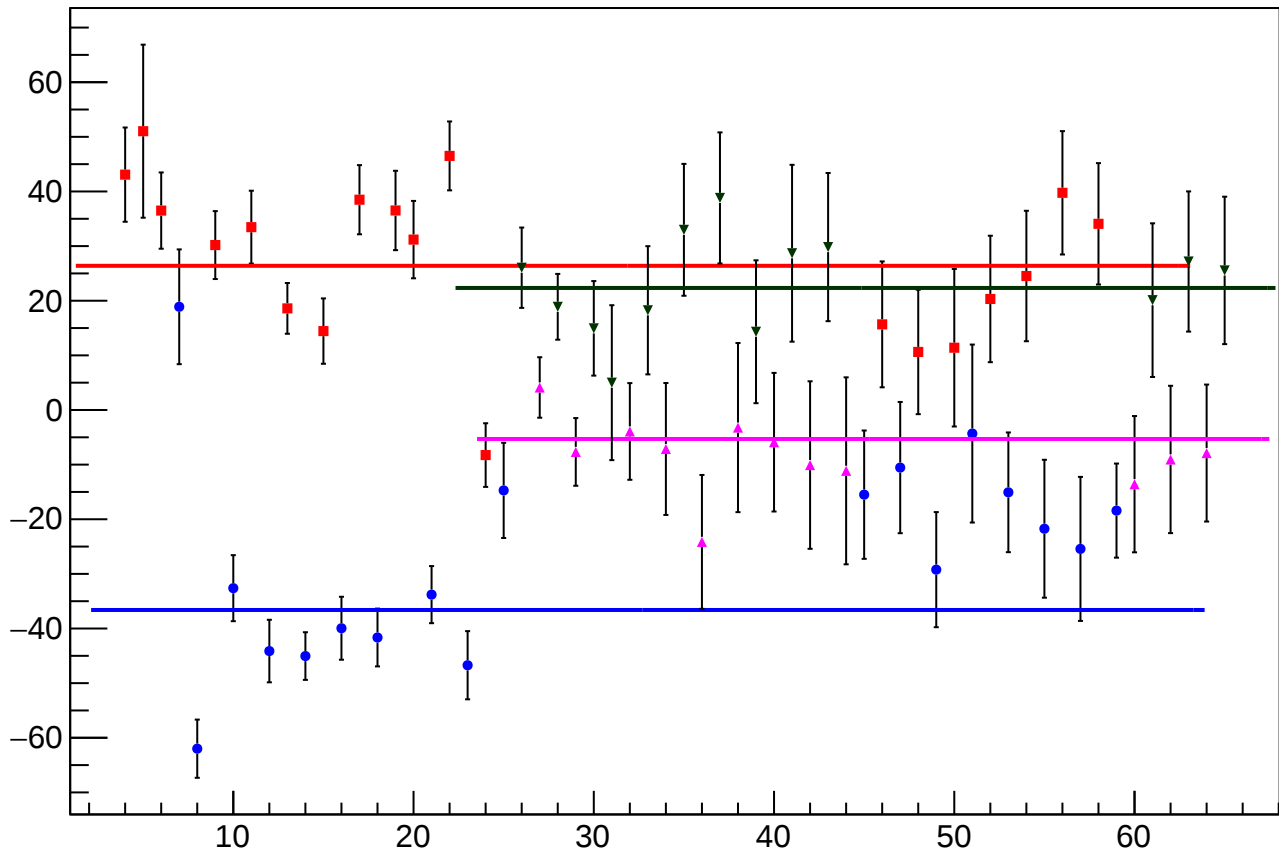
Right Out: 1474.750+/-0.342 χ^2/NDF : 1125200.2/18

Left In: 1652.260+/-0.448 χ^2/NDF : 512287.6/11

1544.806+/-0.266 χ^2/NDF : 2149218.2/30

1540.110+/-0.272 χ^2/NDF : 1736793.7/30

diff_bpm0l01X_mean vs slug



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

Left Out: 22.340 ± 2.921 χ^2/NDF : 6.7/12

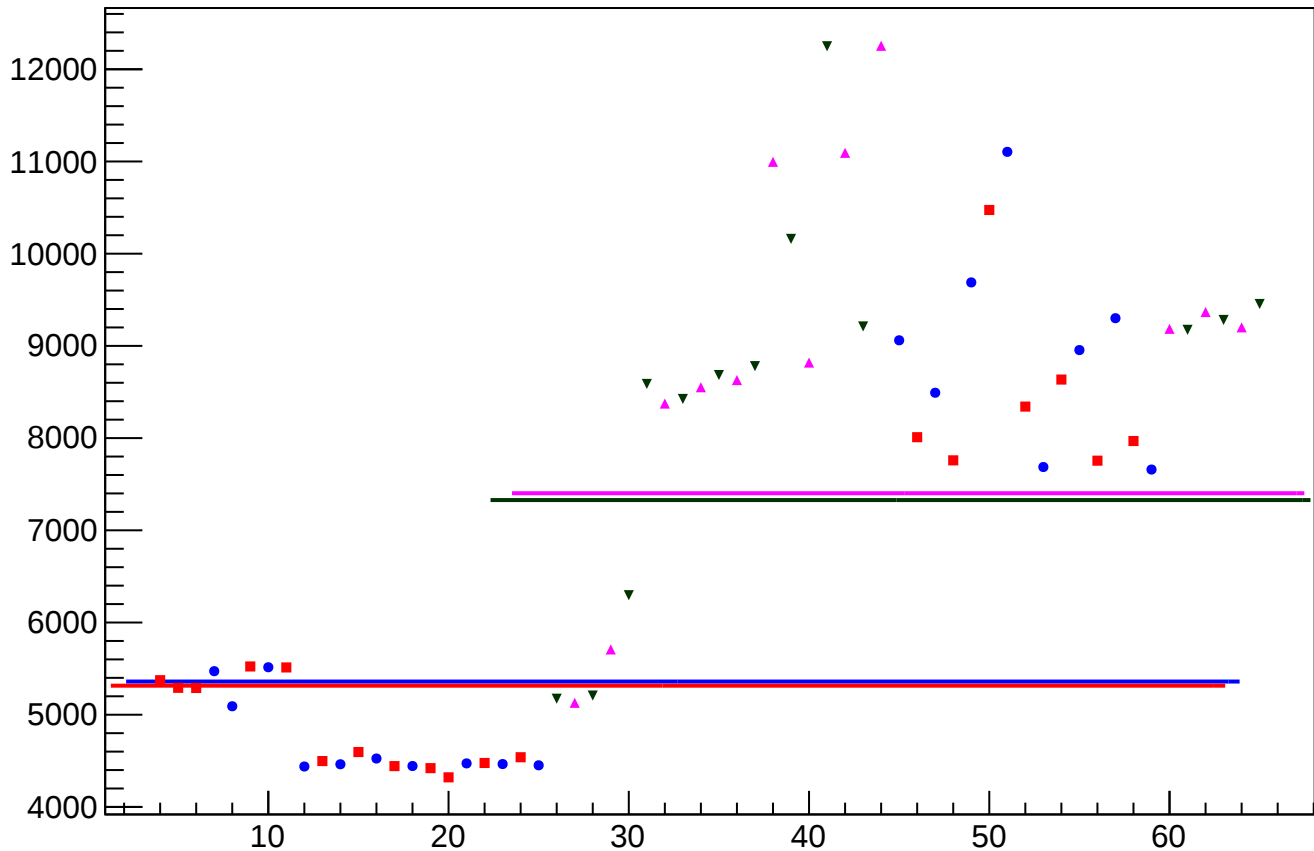
Right Out: 26.394 ± 1.742 χ^2/NDF : 74.2/18

Left In: -5.305 ± 2.871 χ^2/NDF : 6.2/11

-22.031 ± 1.452 χ^2/NDF : 403.1/30

17.865 ± 1.489 χ^2/NDF : 169.6/30

diff_bpm0l01X_rms vs slug



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

Left Out: 7327.995+/-2.065 χ^2/NDF :983763.9/12

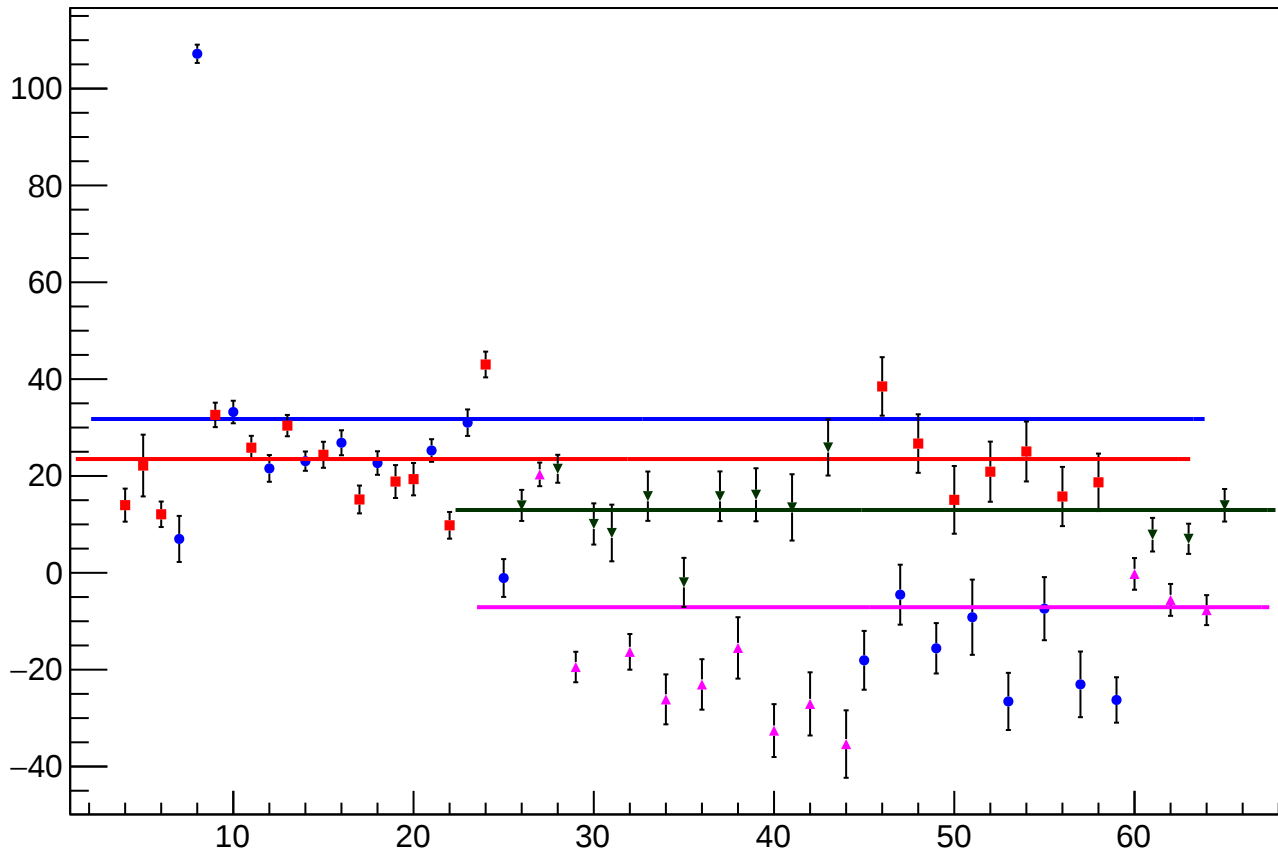
5846.611+/-1.027 χ^2/NDF : 3527252.5/30

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

5876.621+/-1.053 χ^2/NDF : 3085452.6/30

Left In: 7402.103+/-2.030 χ^2/NDF :1083060.3/11

diff_bpm0l01Y_mean vs slug



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

Left Out: 12.974 ± 1.135 $\chi^2/\text{NDF}: 30.4/12$

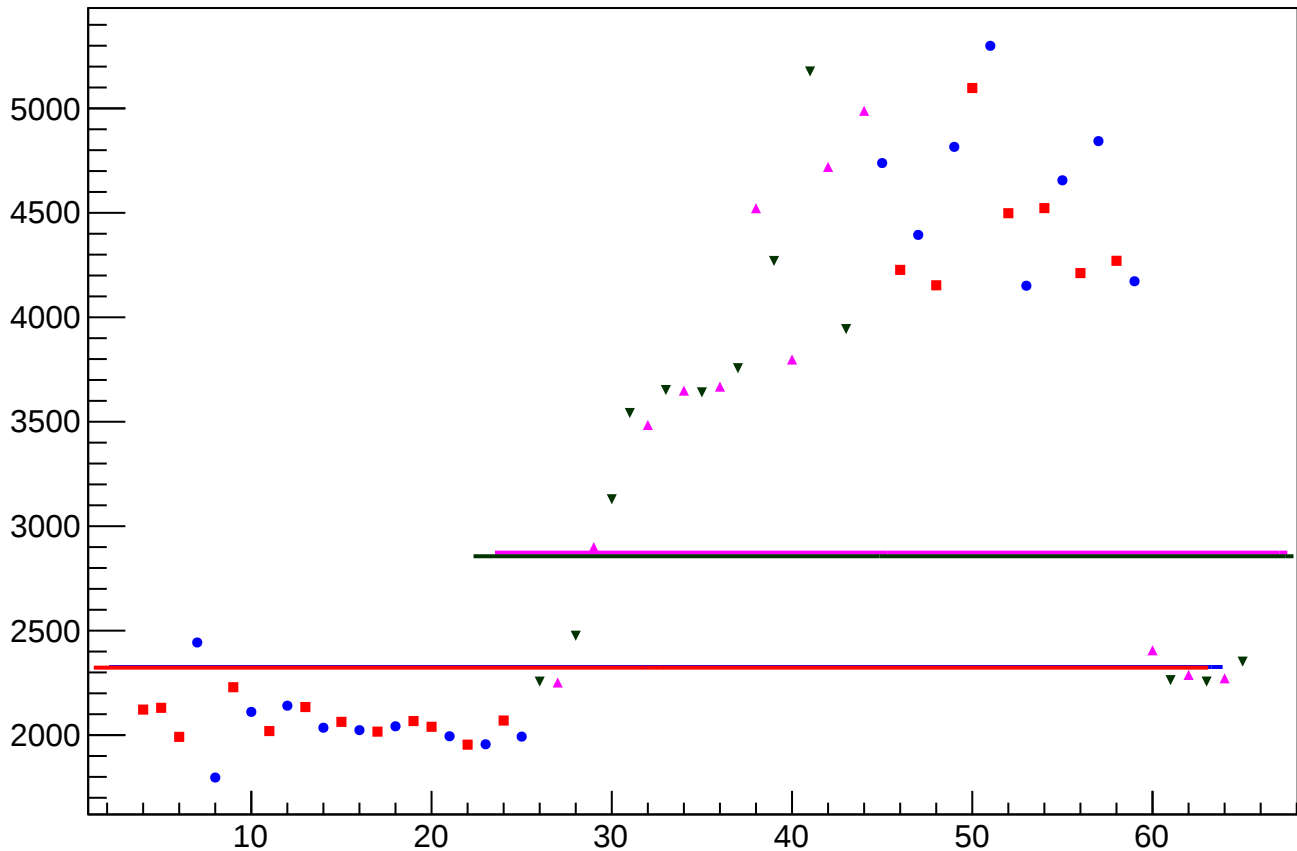
Right Out: 23.500 ± 0.773 $\chi^2/\text{NDF}: 151.3/18$

Left In: -7.098 ± 1.111 $\chi^2/\text{NDF}: 225.5/11$

26.155 ± 0.620 $\chi^2/\text{NDF}: 2545.7/30$

13.527 ± 0.634 $\chi^2/\text{NDF}: 888.0/30$

diff_bpm0l01Y_rms vs slug



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

Left Out: 2856.159+/-0.803 χ^2/NDF : 909489.1/12

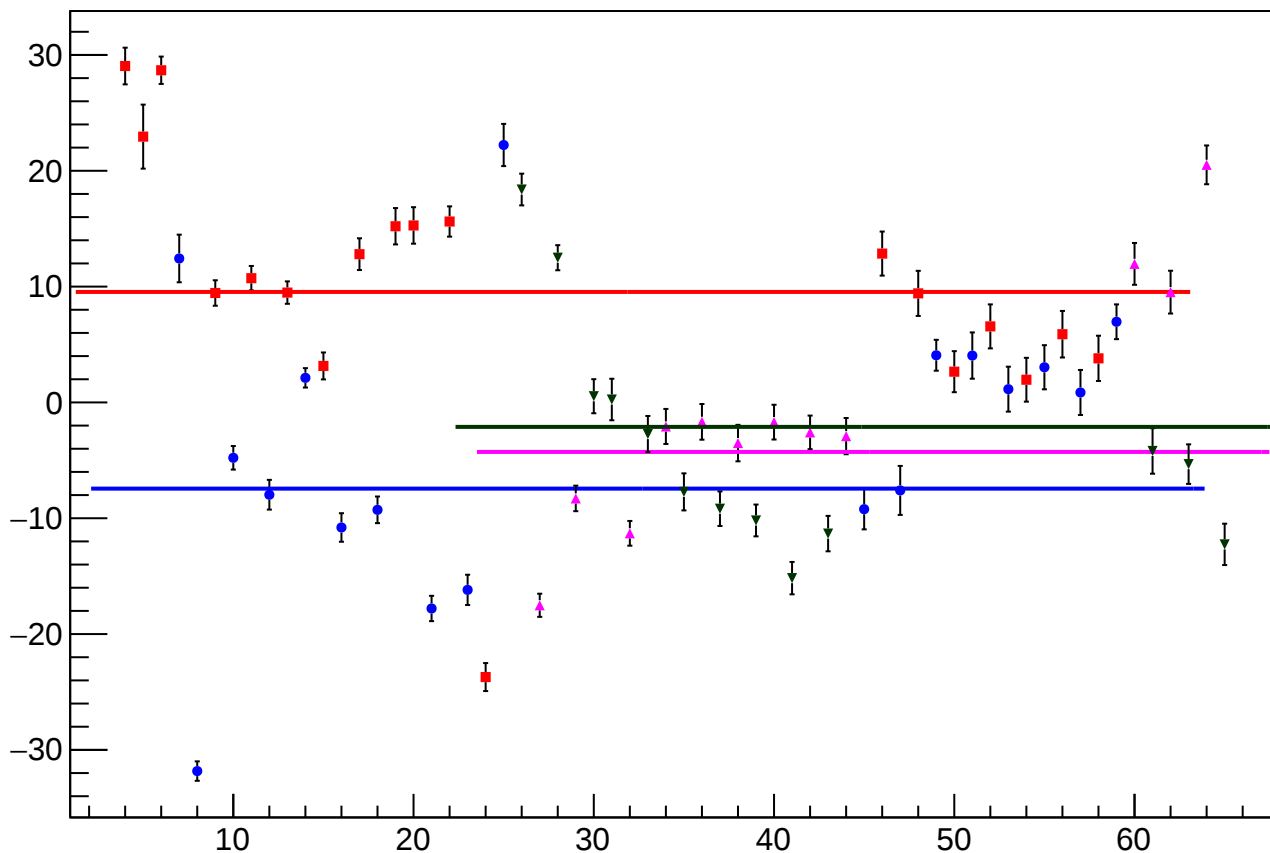
2484.374+/-0.439 χ^2/NDF : 3911807.1/30

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

2502.335+/-0.449 χ^2/NDF : 3135409.1/30

Left In: 2873.421+/-0.786 χ^2/NDF : 993724.7/11

diff_bpm2i01X_mean vs slug



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

Left Out: -2.112 ± 0.415 χ^2/NDF : 640.8/12

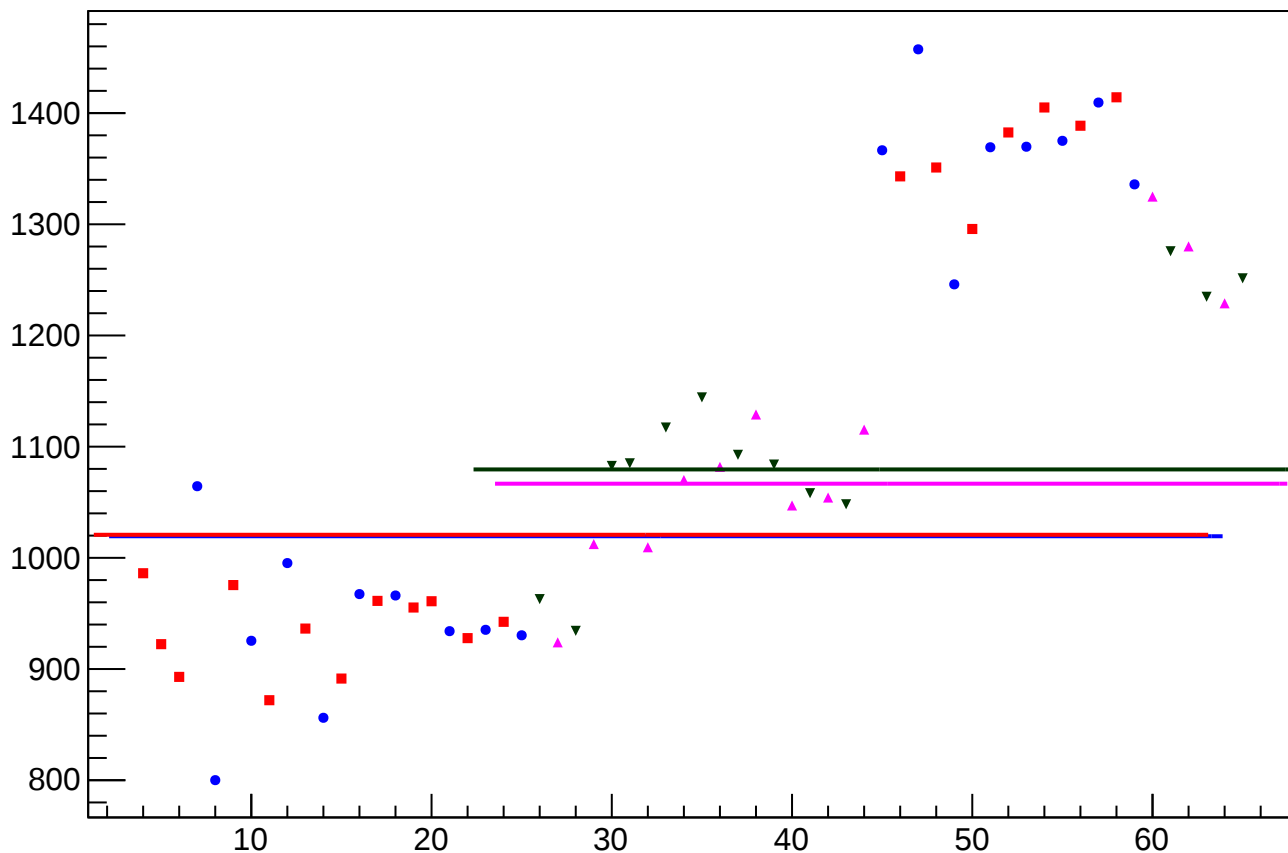
Right Out: 9.540 ± 0.328 χ^2/NDF : 1327.8/18

Left In: -4.275 ± 0.400 χ^2/NDF : 598.1/11

-5.536 ± 0.248 χ^2/NDF : 2500.5/30

3.993 ± 0.253 χ^2/NDF : 2639.8/30

diff_bpm2i01X_rms vs slug



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

Left Out: 1079.517+/-0.294 χ^2/NDF :111433.2/12

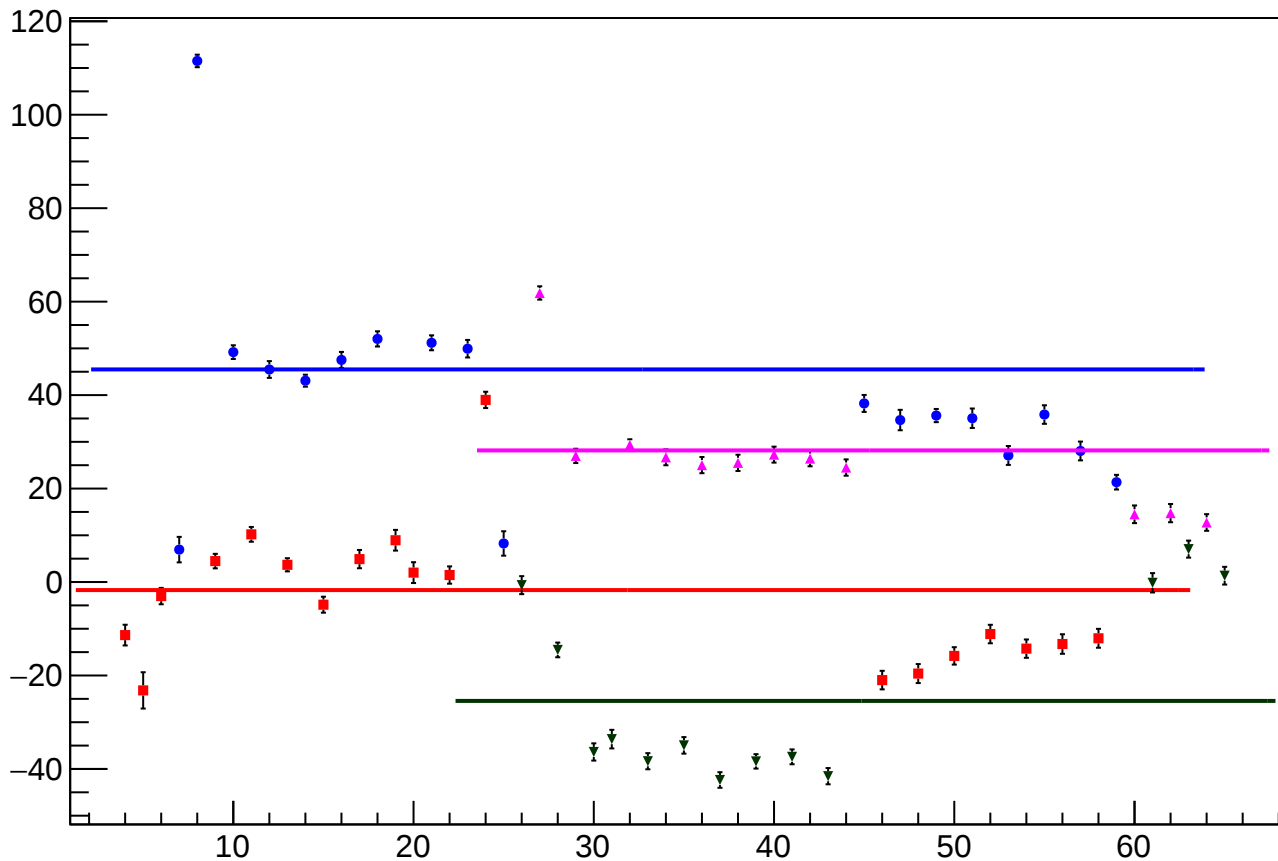
Right Out: 1020.749+/-0.232 χ^2/NDF : 605072.5/18

Left In: 1066.686+/-0.283 χ^2/NDF :143470.7/11

1040.912+/-0.176 χ^2/NDF : 991196.9/30

1039.192+/-0.179 χ^2/NDF : 764329.4/30

diff_bpm2i01Y_mean vs slug



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

Left Out: -25.441+/-0.489 χ^2/NDF : 1331.2/12

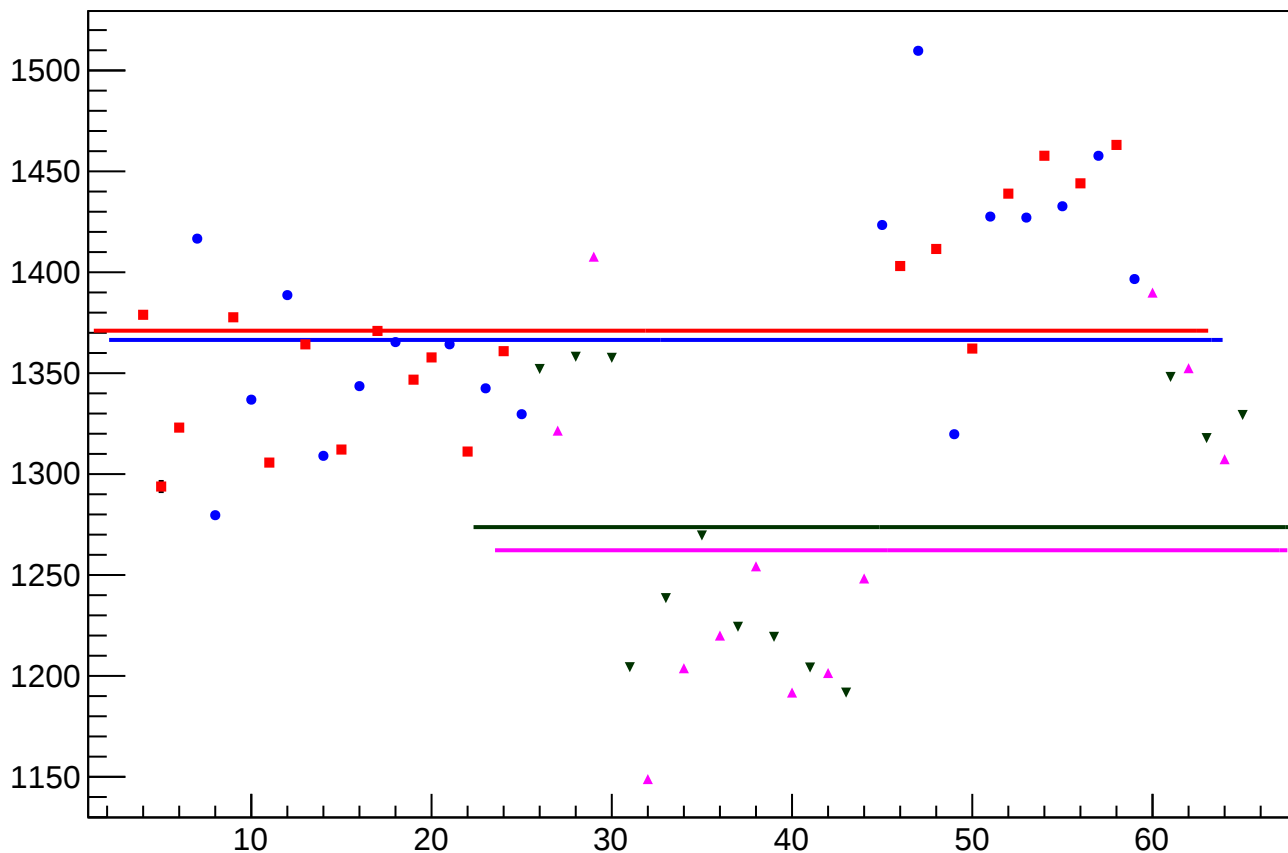
Right Out: -1.724+/-0.434 χ^2/NDF : 1071.7/18

Left In: 28.166+/-0.472 χ^2/NDF : 743.9/11

16.355+/-0.313 χ^2/NDF : 17155.3/30

11.980+/-0.319 χ^2/NDF : 3990.8/30

diff_bpm2i01Y_rms vs slug



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

Left Out: 1273.728 $\pm$ 0.345 χ^2 /NDF:34435.4/12

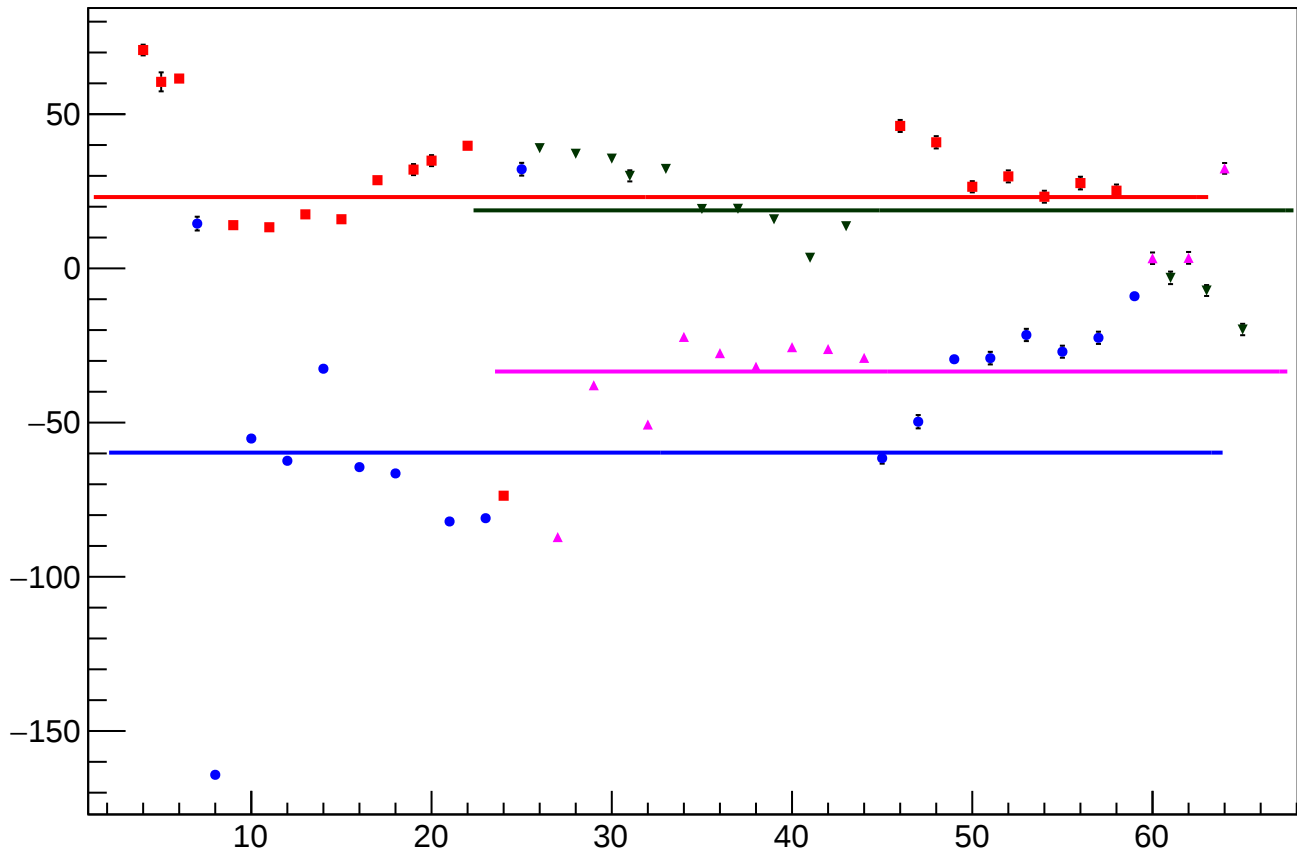
Right Out: 1371.055 $\pm$ 0.307 χ^2 /NDF: 24860.5/18

Left In: 1262.258 $\pm$ 0.333 χ^2 /NDF:63470.8/11

1328.374 $\pm$ 0.221 χ^2 /NDF: 115535.6/30

1321.174 $\pm$ 0.226 χ^2 /NDF: 145972.5/30

diff_bpm2i02X_mean vs slug



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

Left Out: 18.812 $\pm$ 0.434 χ^2 /NDF: 1515.6/12

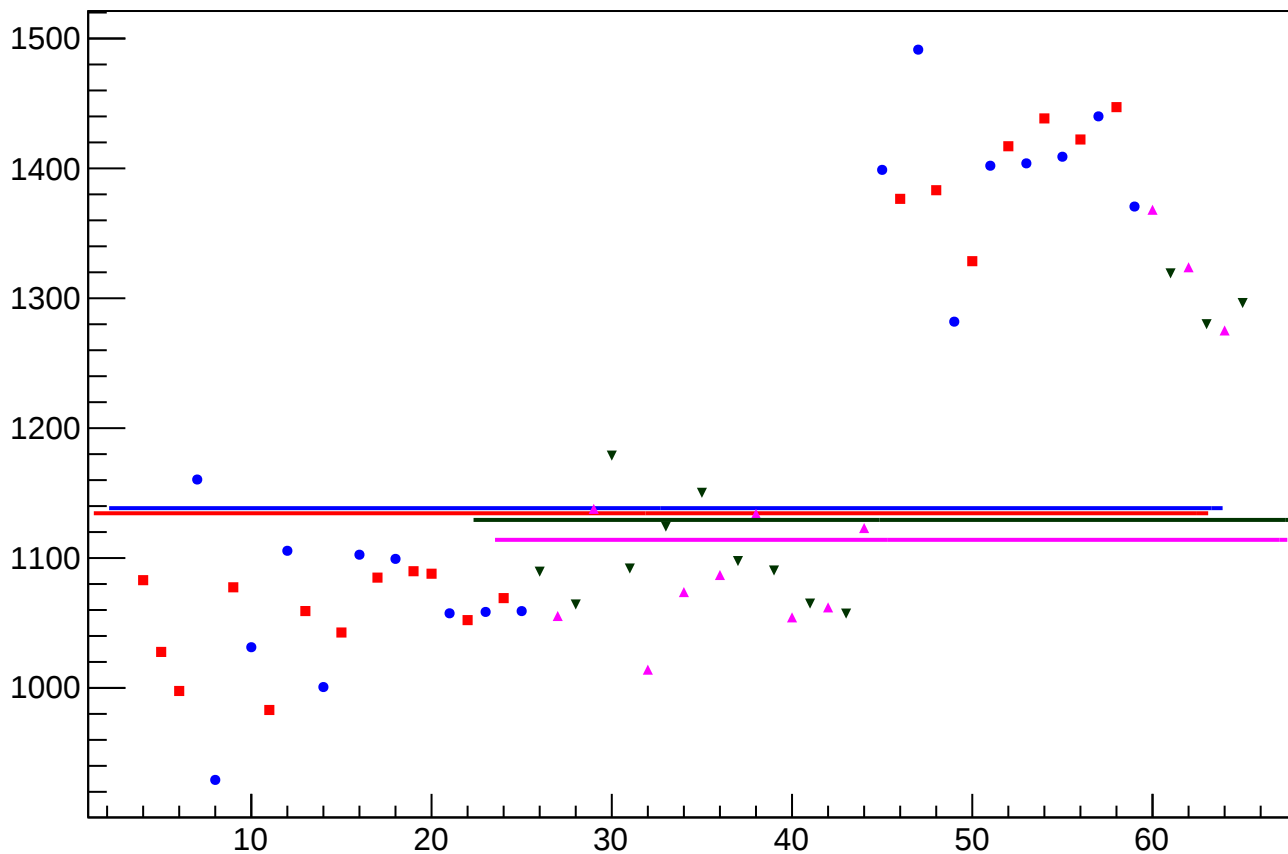
Right Out: 23.126 $\pm$ 0.362 χ^2 /NDF: 7355.2/18

Left In: -33.439 $\pm$ 0.417 χ^2 /NDF: 4812.9/11

-29.508 $\pm$ 0.269 χ^2 /NDF: 40442.9/30

-1.155 $\pm$ 0.273 χ^2 /NDF: 22660.4/30

diff_bpm2i02X_rms vs slug



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

Left Out: 1129.353+/-0.307 χ^2/NDF : 69358.3/12

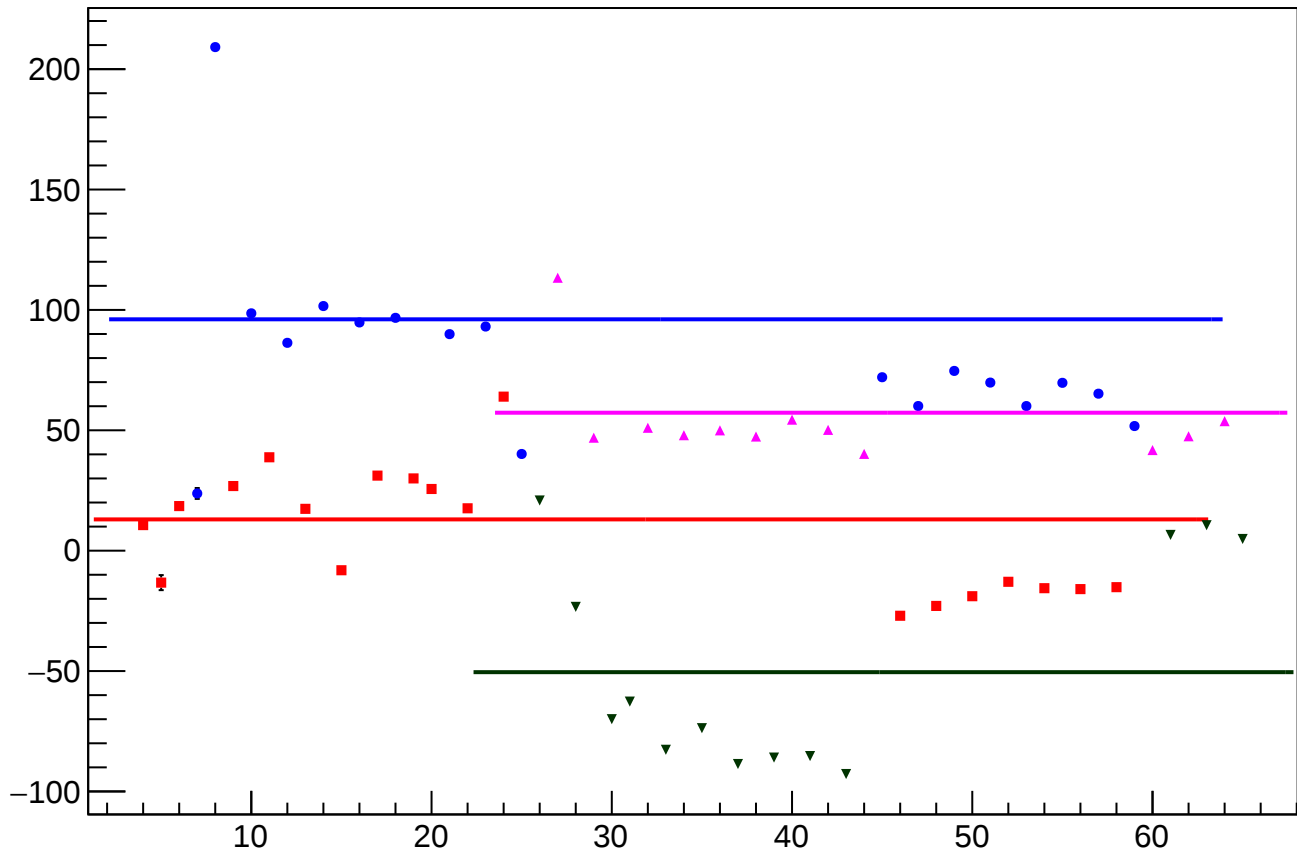
Right Out: 1134.479+/-0.256 χ^2/NDF : 360721.2/18

Left In: 1114.022+/-0.295 χ^2/NDF : 109963.2/11

1134.925+/-0.190 χ^2/NDF : 557970.3/30

1125.698+/-0.193 χ^2/NDF : 473428.8/30

diff_bpm2i02Y_mean vs slug



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

Left Out: -50.460 $\pm$ 0.433 χ^2 /NDF: 9175.4/12

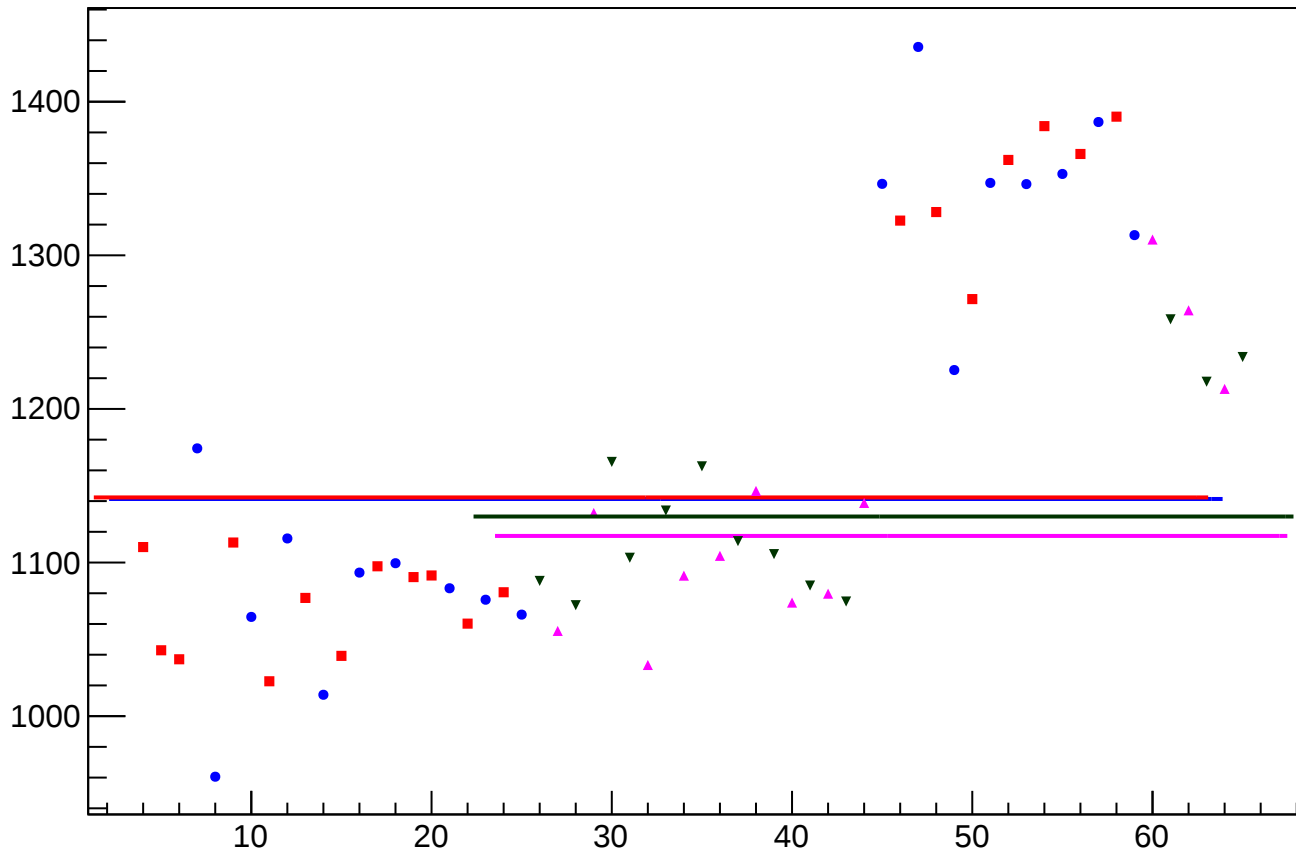
Right Out: 12.992 $\pm$ 0.363 χ^2 /NDF: 4541.3/18

Left In: 57.302 $\pm$ 0.418 χ^2 /NDF: 2866.5/11

39.686 $\pm$ 0.269 χ^2 /NDF: 96611.2/30

32.075 $\pm$ 0.274 χ^2 /NDF: 13815.6/30

diff_bpm2i02Y_rms vs slug



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

Left Out: 1129.961 $\pm$ 0.306 χ^2 /NDF:34521.1/12

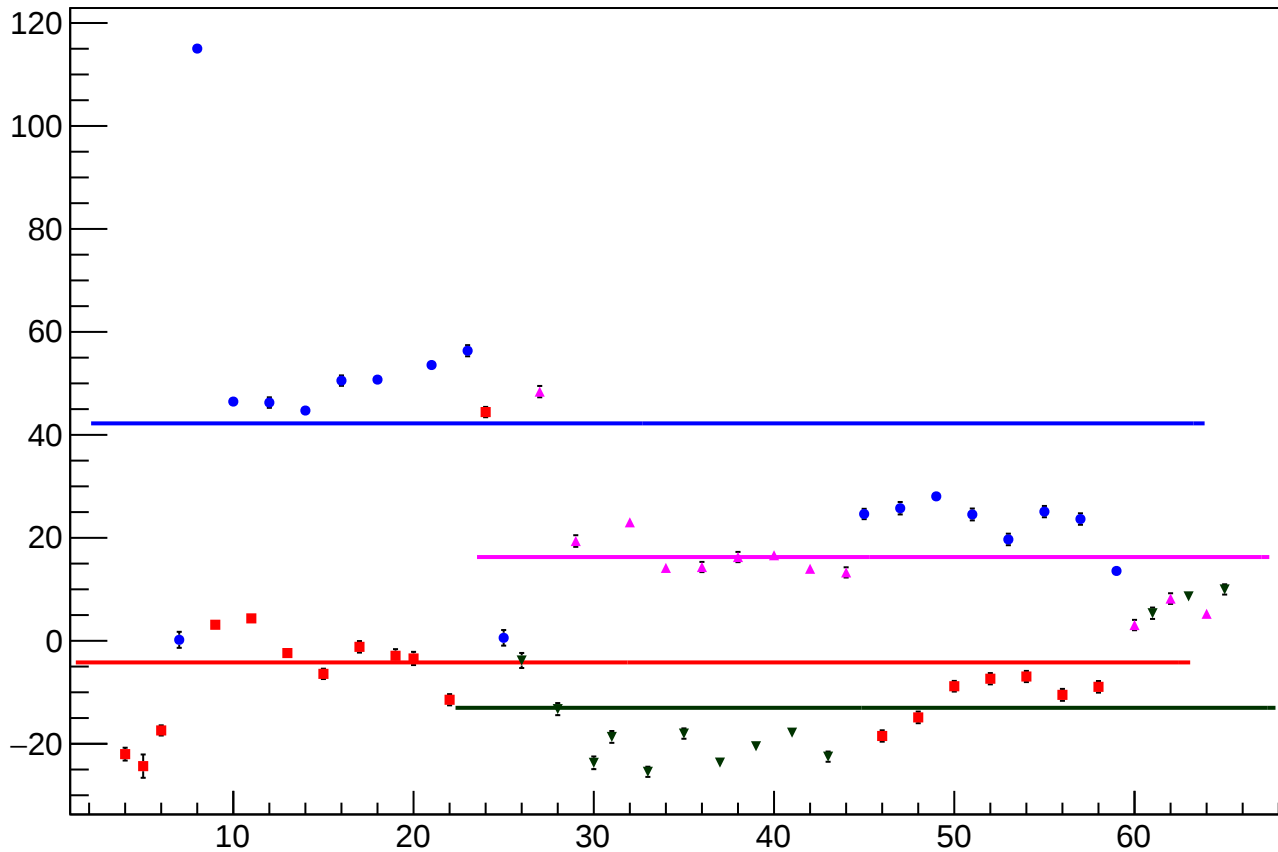
1136.984 $\pm$ 0.190 χ^2 /NDF: 364681.2/30

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

1131.595 $\pm$ 0.194 χ^2 /NDF: 305919.3/30

Left In: 1117.325 $\pm$ 0.295 χ^2 /NDF:65606.3/11

diff_bpm1i04X_mean vs slug



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

Left Out: -13.013+/-0.287 χ^2/NDF : 1954.2/12

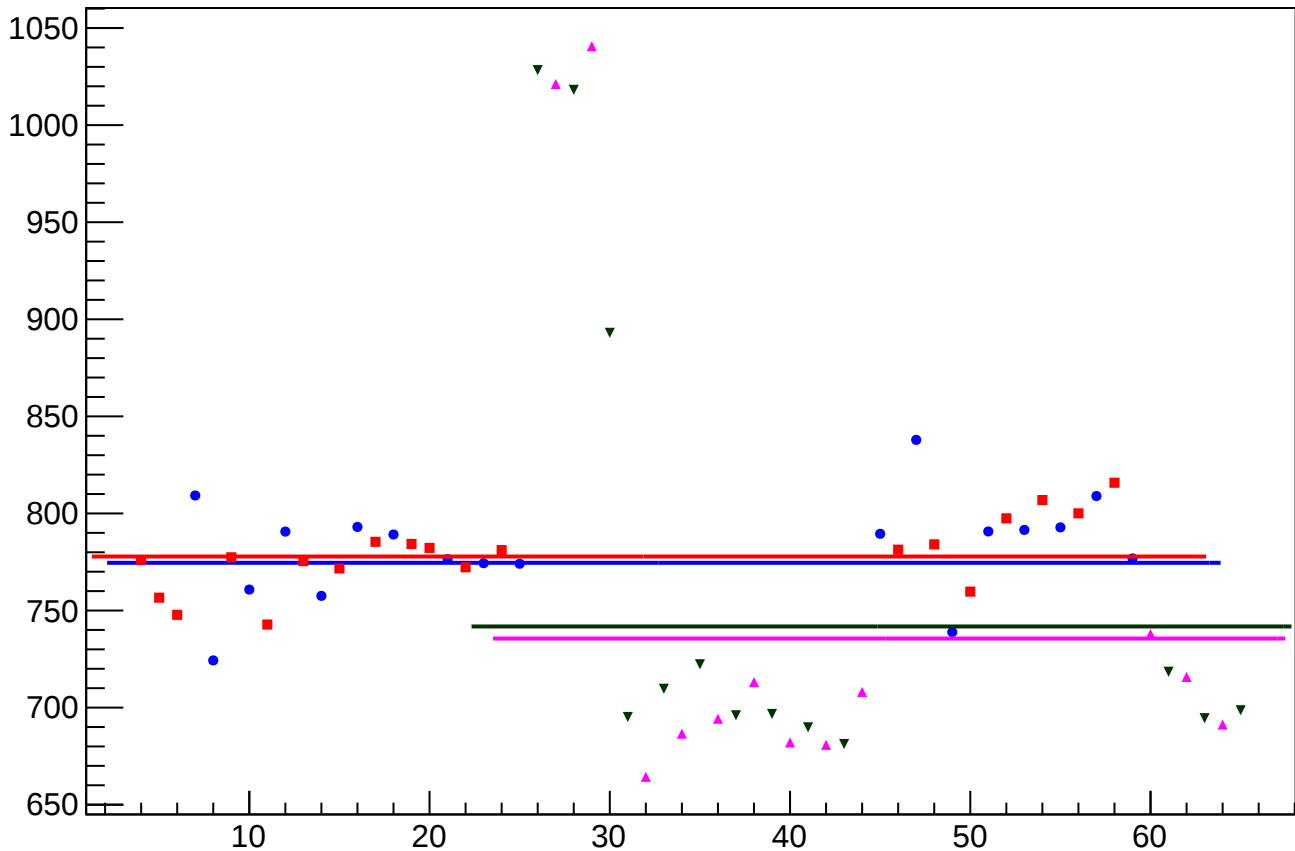
Right Out: -4.198+/-0.246 χ^2/NDF : 3378.3/18

Left In: 16.271+/-0.277 χ^2/NDF : 1344.1/11

20.531+/-0.180 χ^2/NDF : 38737.6/30

4.807+/-0.184 χ^2/NDF : 7773.9/30

diff_bpm1i04X_rms vs slug



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

Left Out: 741.792+/-0.203 χ^2/NDF : 256775.4/12

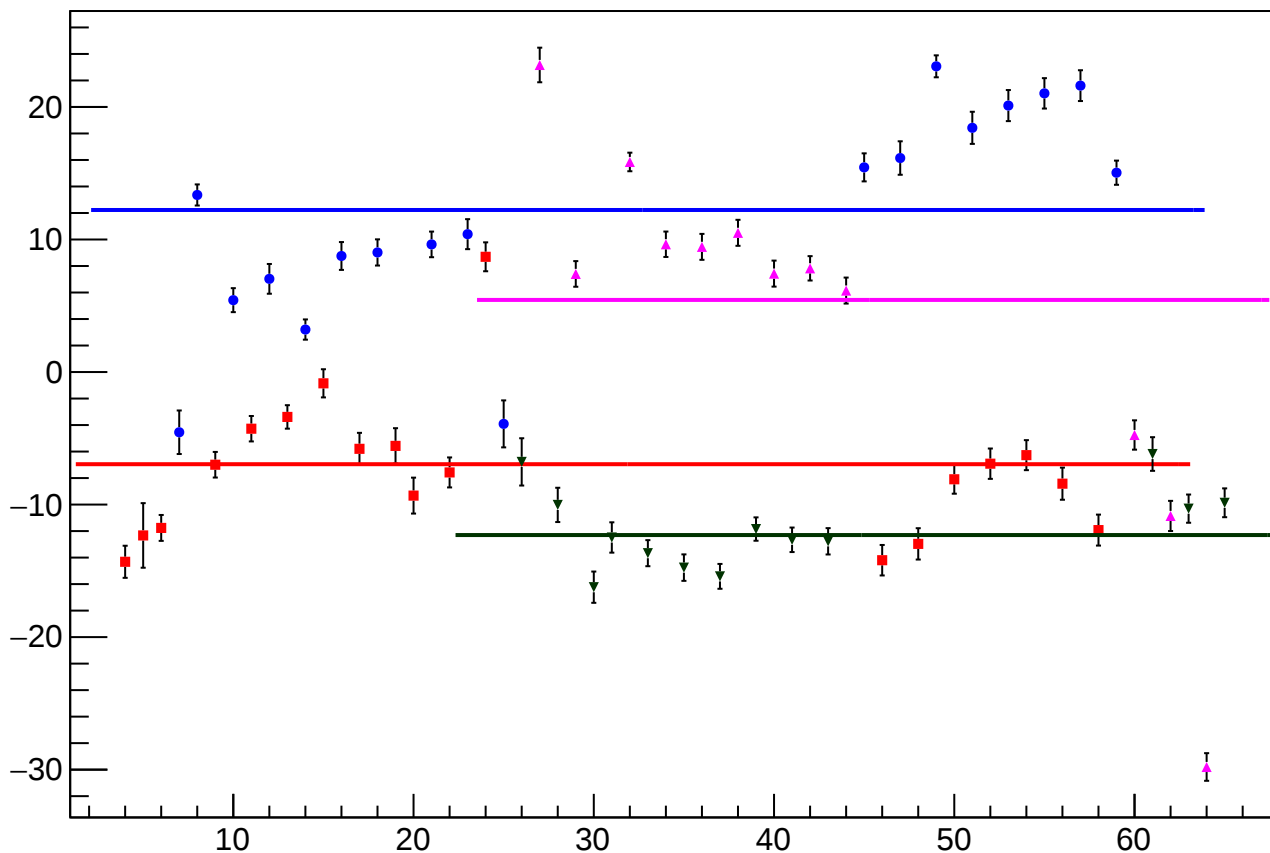
Right Out: 777.816+/-0.174 χ^2/NDF : 11180.5/18

Left In: 735.587+/-0.196 χ^2/NDF : 330082.1/11

761.701+/-0.127 χ^2/NDF : 298982.6/30

759.238+/-0.130 χ^2/NDF : 367239.5/30

diff_bpm1i04Y_mean vs slug



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

Left Out: -12.299 ± 0.296 χ^2/NDF : 75.2/12

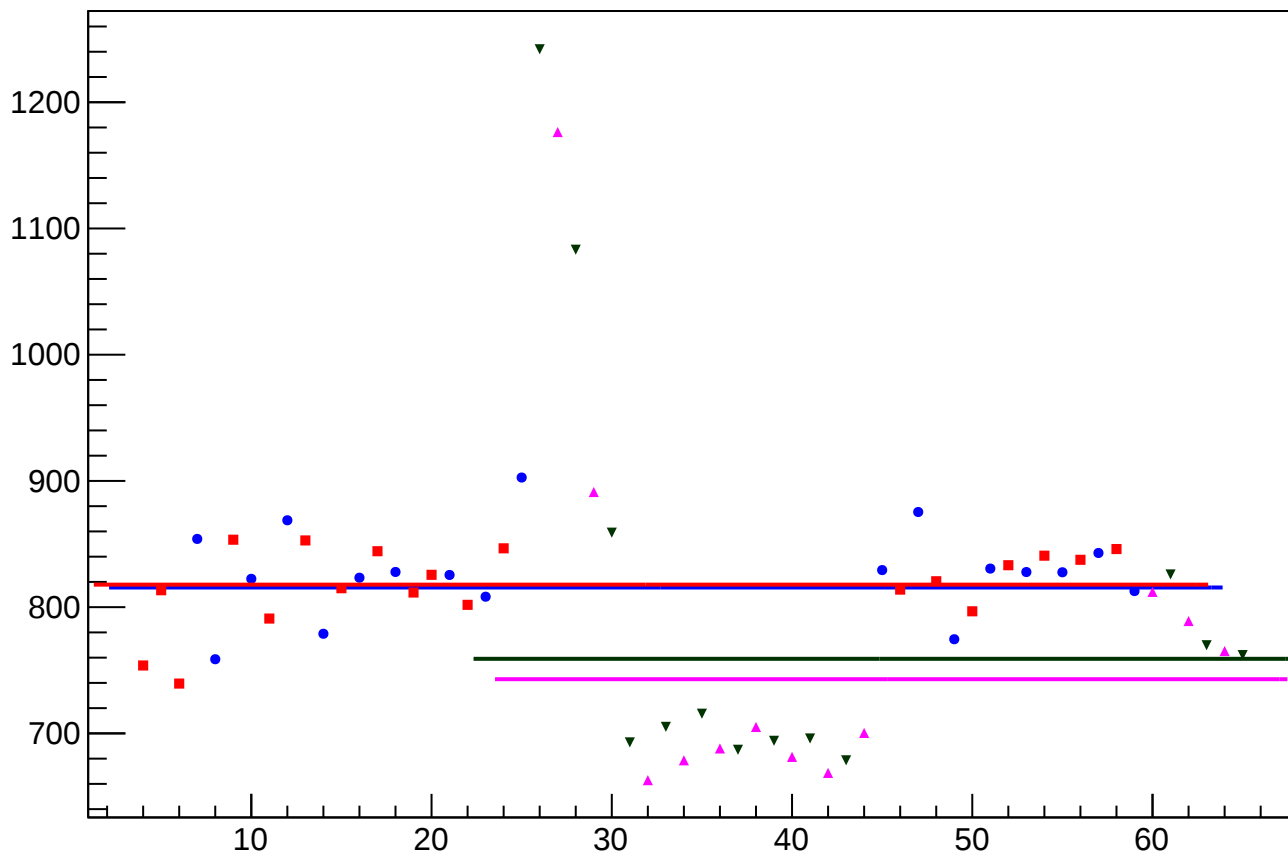
Right Out: -6.954 ± 0.259 χ^2/NDF : 420.8/18

Left In: 5.441 ± 0.281 χ^2/NDF : 1915.4/11

2.341 ± 0.188 χ^2/NDF : 4997.2/30

-1.267 ± 0.191 χ^2/NDF : 3386.5/30

diff_bpm1i04Y_rms vs slug



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

Left Out: 759.077+/-0.210 χ^2/NDF : 353855.6/12

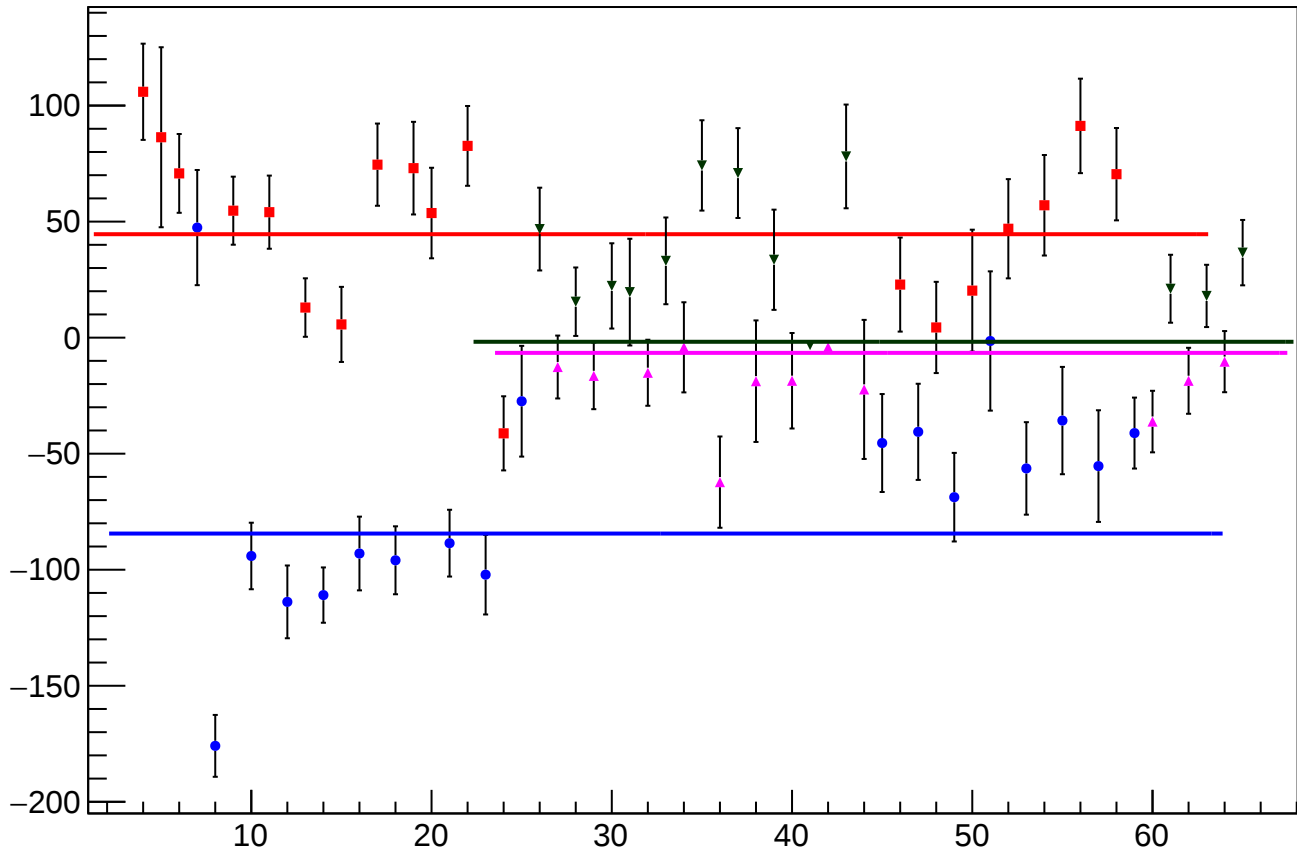
Right Out: 817.840+/-0.183 χ^2/NDF : 32410.2/18

Left In: 742.932+/-0.199 χ^2/NDF : 348477.2/11

792.803+/-0.133 χ^2/NDF : 434895.7/30

783.470+/-0.135 χ^2/NDF : 457616.0/30

diff_bpm0l02X_mean vs slug



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

Left Out: -1.778 ± 0.965 $\chi^2/\text{NDF}: 73.8/12$

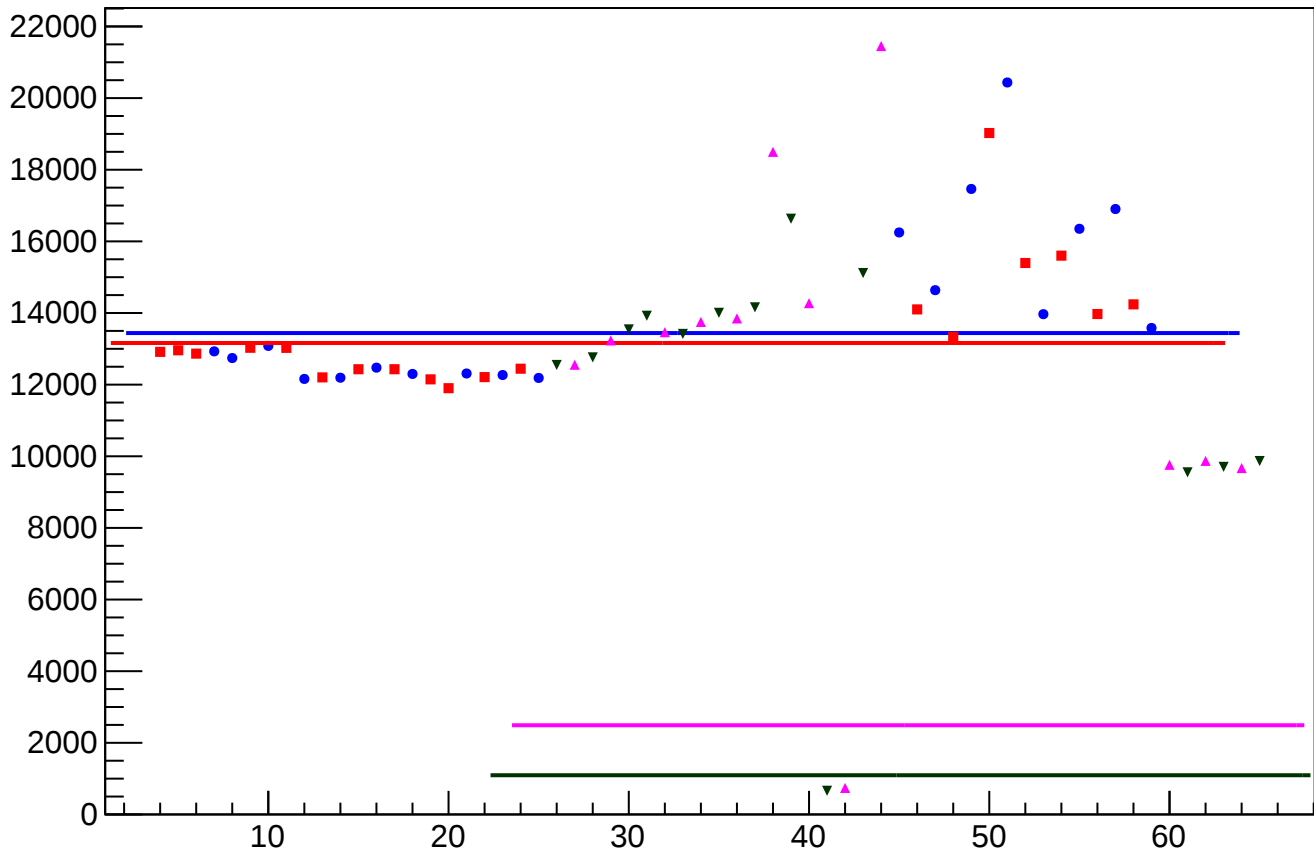
Right Out: 44.573 ± 4.203 $\chi^2/\text{NDF}: 77.6/18$

Left In: -6.556 ± 1.899 $\chi^2/\text{NDF}: 17.1/11$

-6.196 ± 0.939 $\chi^2/\text{NDF}: 590.1/30$

2.115 ± 1.731 $\chi^2/\text{NDF}: 217.6/30$

diff_bpm0l02X_rms vs slug



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

Left Out: 1094.773+/-0.682 χ^2/NDF :10756151.1/12

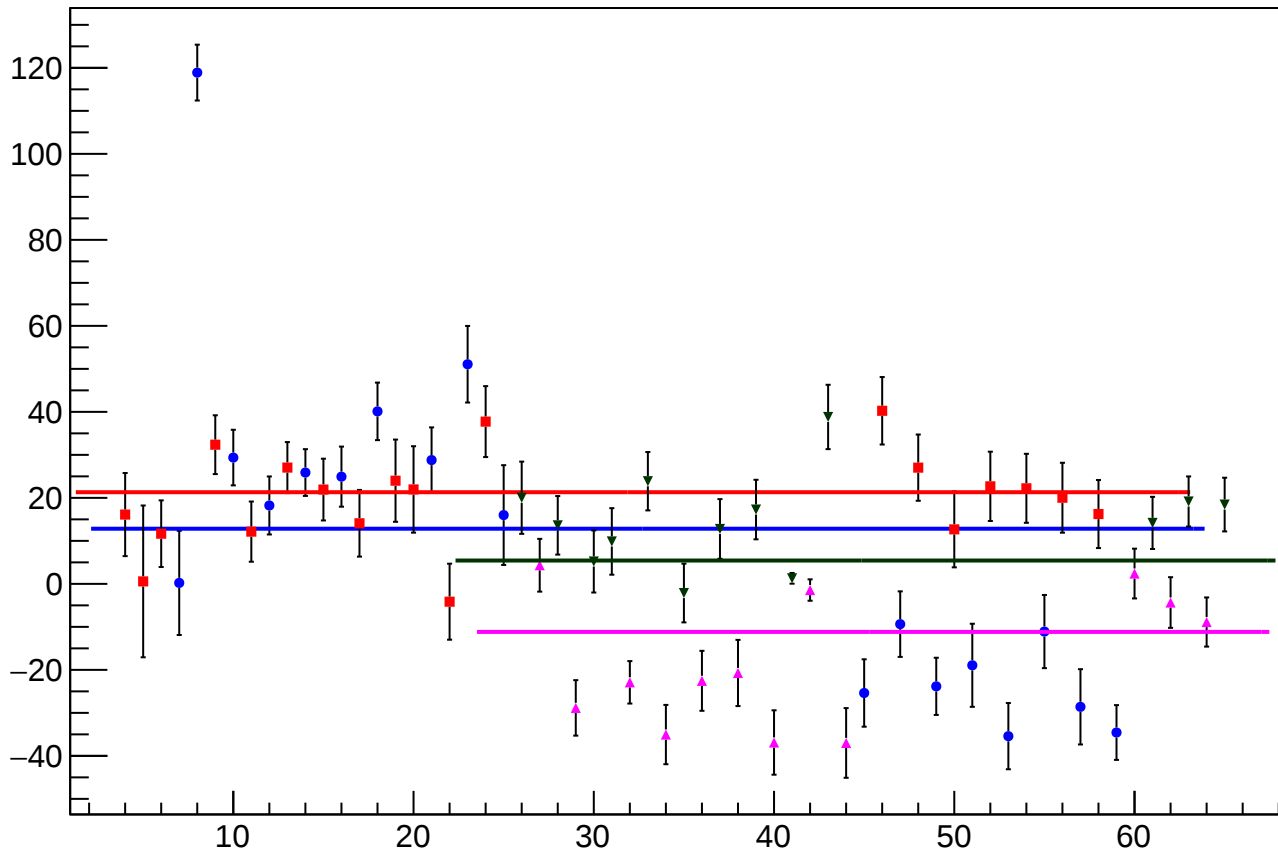
Right Out: 13162.769+/-2.972 χ^2/NDF : 204436.9/18

Left In: 2490.462+/-1.343 χ^2/NDF :10134281.4/11

1754.786+/-0.664 χ^2/NDF : 28664344.0/30

4300.495+/-1.224 χ^2/NDF : 21048870.0/30

diff_bpm0l02Y_mean vs slug



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

Left Out: 5.427 ± 1.054 χ^2/NDF : 60.4/12

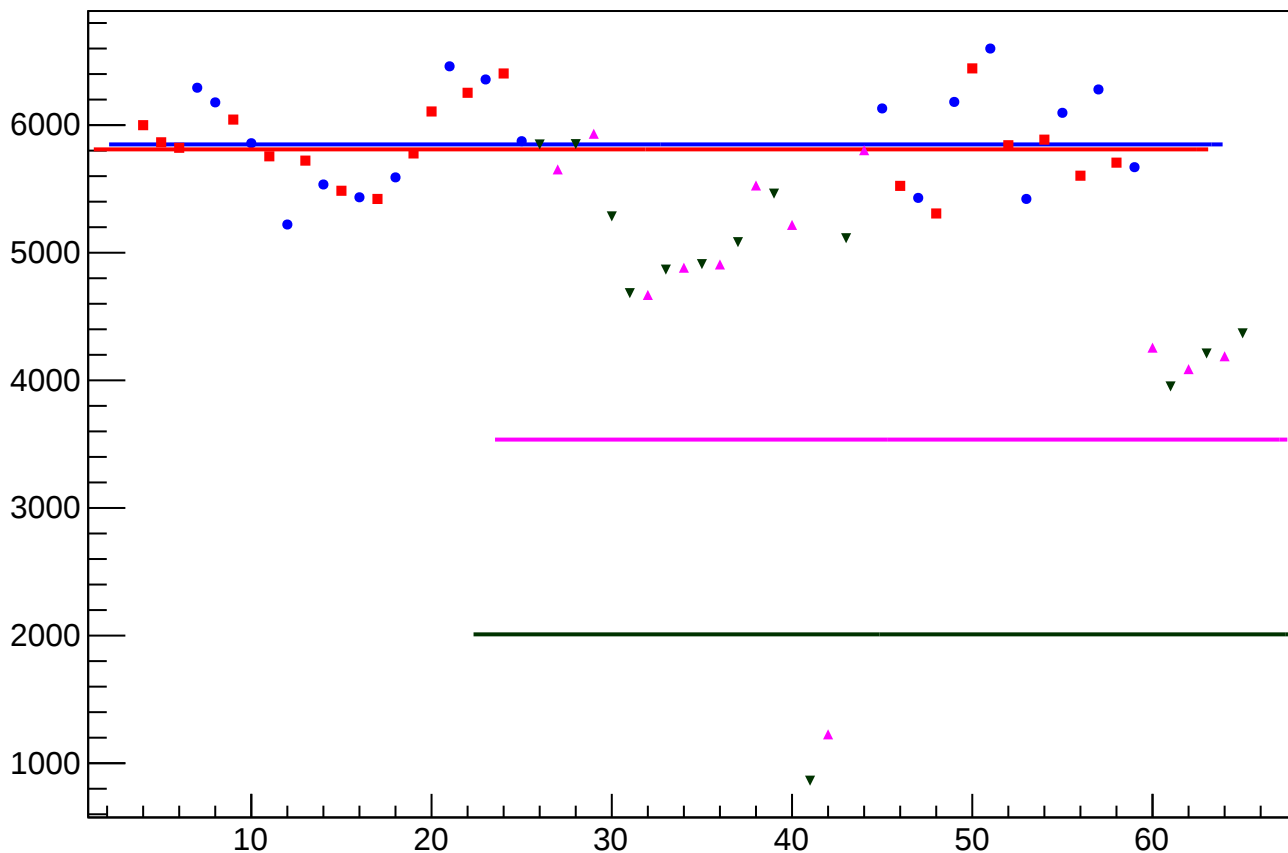
Right Out: 21.314 ± 1.847 χ^2/NDF : 29.5/18

Left In: -11.173 ± 1.518 χ^2/NDF : 80.0/11

7.392 ± 0.903 χ^2/NDF : 595.2/30

1.928 ± 1.173 χ^2/NDF : 294.1/30

diff_bpm0l02Y_rms vs slug



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

Left Out: 2009.683 $\pm$ 0.745 χ^2/NDF :6124921.2/12

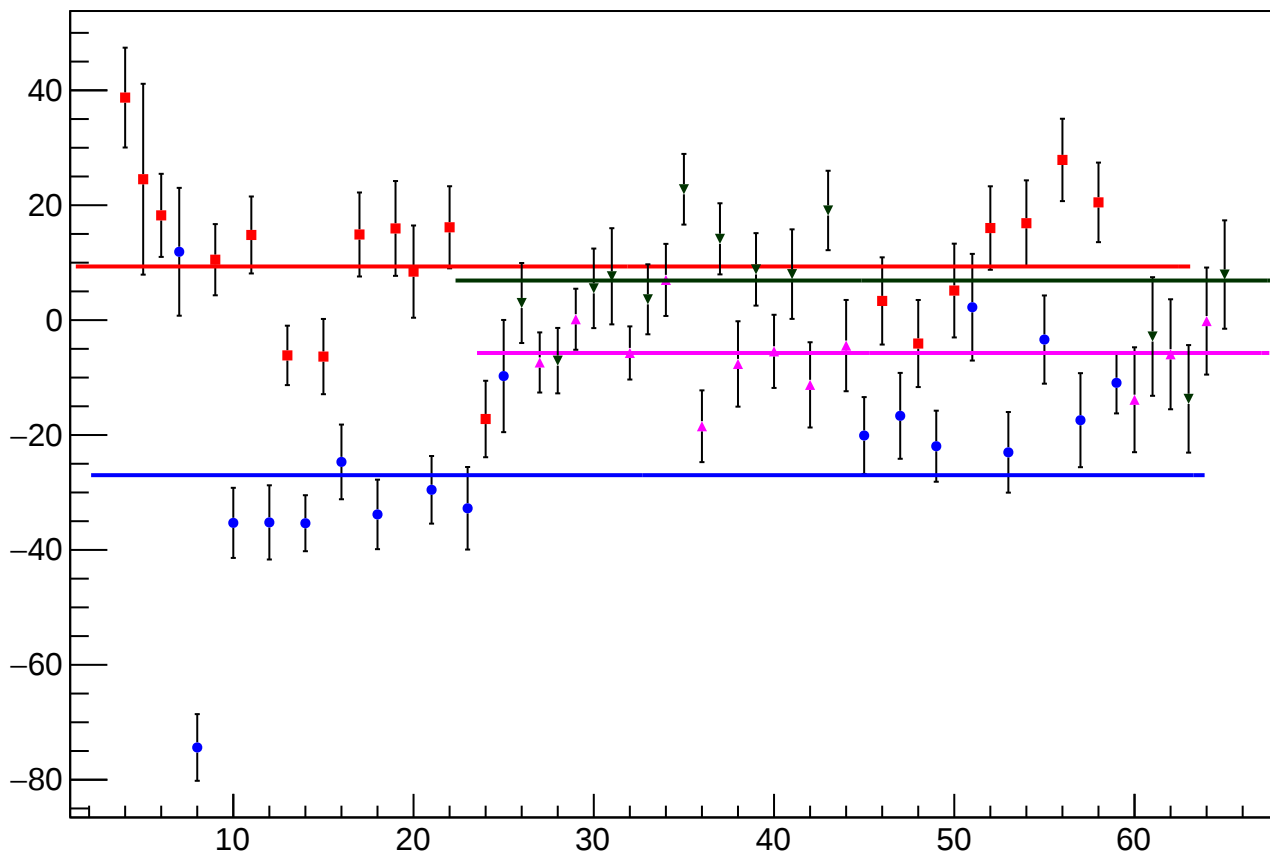
Right Out: 5809.767 $\pm$ 1.306 χ^2/NDF : 53321.4/18

Left In: 3535.811 $\pm$ 1.074 χ^2/NDF :2959998.6/11

3028.963 $\pm$ 0.638 χ^2/NDF : 13276216.0/30

4452.860 $\pm$ 0.829 χ^2/NDF : 4822293.7/30

diff_bpm0l03X_mean vs slug



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

Left Out: 6.892 ± 1.959 $\chi^2/\text{NDF}: 23.7/12$

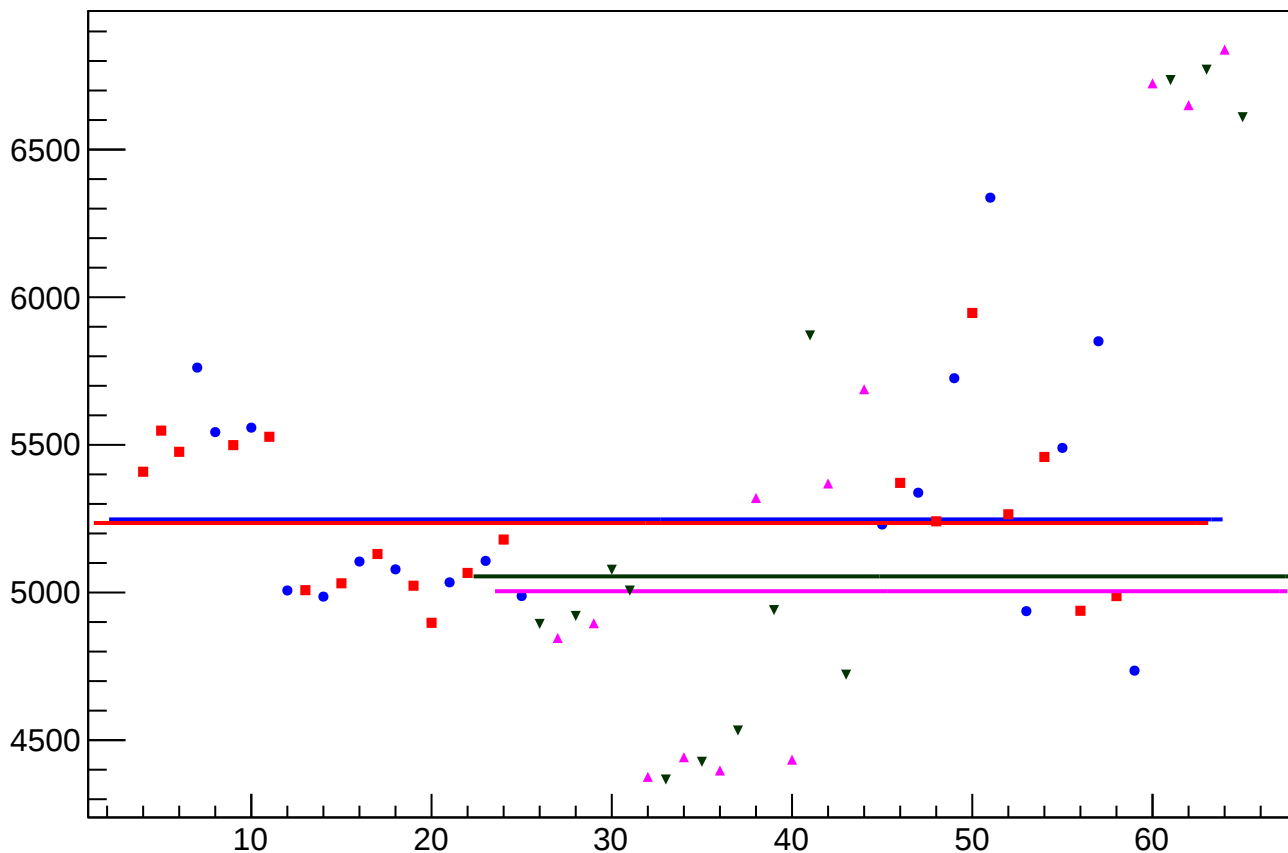
Right Out: 9.337 ± 1.659 $\chi^2/\text{NDF}: 62.4/18$

Left In: -5.720 ± 1.886 $\chi^2/\text{NDF}: 11.4/11$

-13.742 ± 1.225 $\chi^2/\text{NDF}: 330.4/30$

2.768 ± 1.246 $\chi^2/\text{NDF}: 109.8/30$

diff_bpm0l03X_rms vs slug



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

Left Out: 5054.654+/-1.385 χ^2/NDF : 264614.9/12

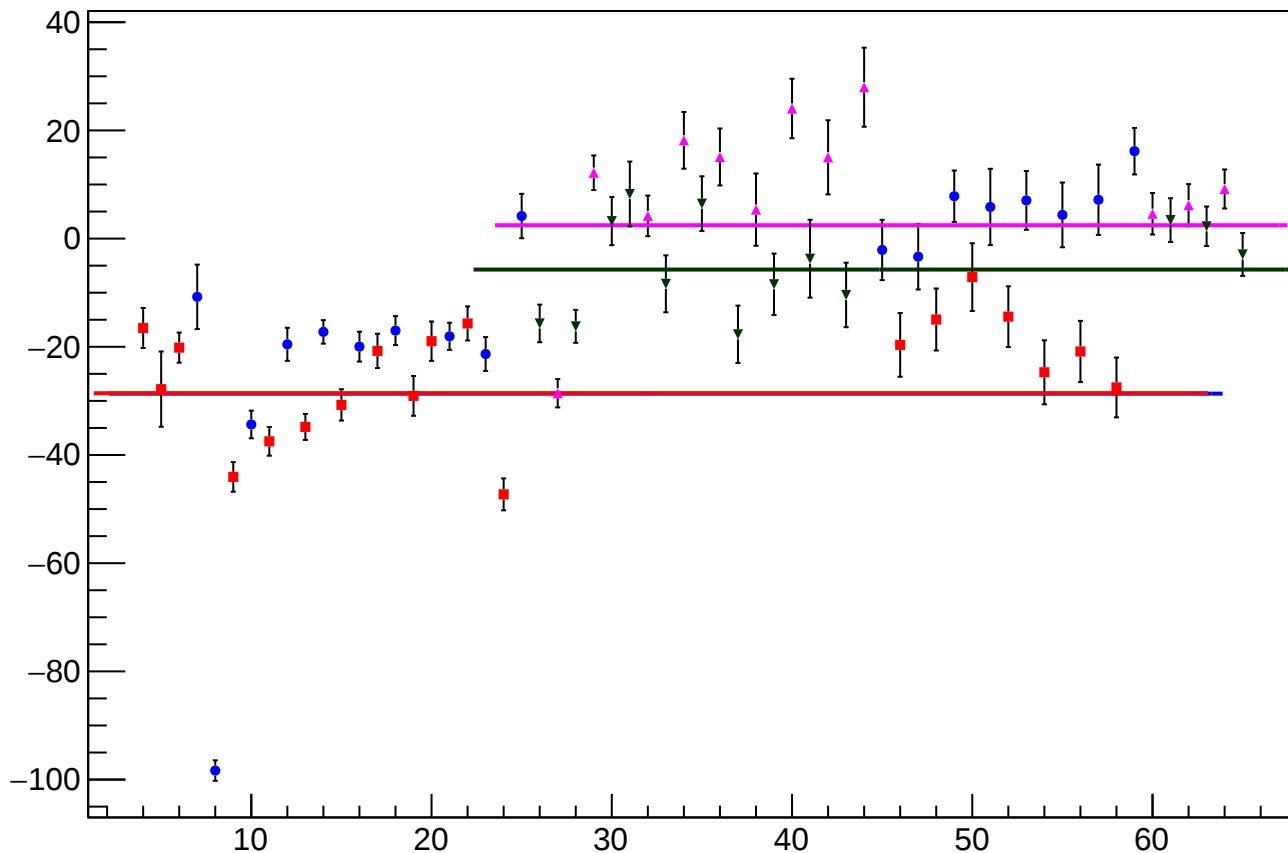
Right Out: 5235.469+/-1.173 χ^2/NDF : 47165.0/18

Left In: 5004.367+/-1.334 χ^2/NDF : 321495.8/11

5172.143+/-0.866 χ^2/NDF : 382059.9/30

5134.652+/-0.881 χ^2/NDF : 385581.5/30

diff_bpm0l03Y_mean vs slug



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

Left Out: -5.723 $\pm$ 1.233 χ^2 /NDF: 52.1/12

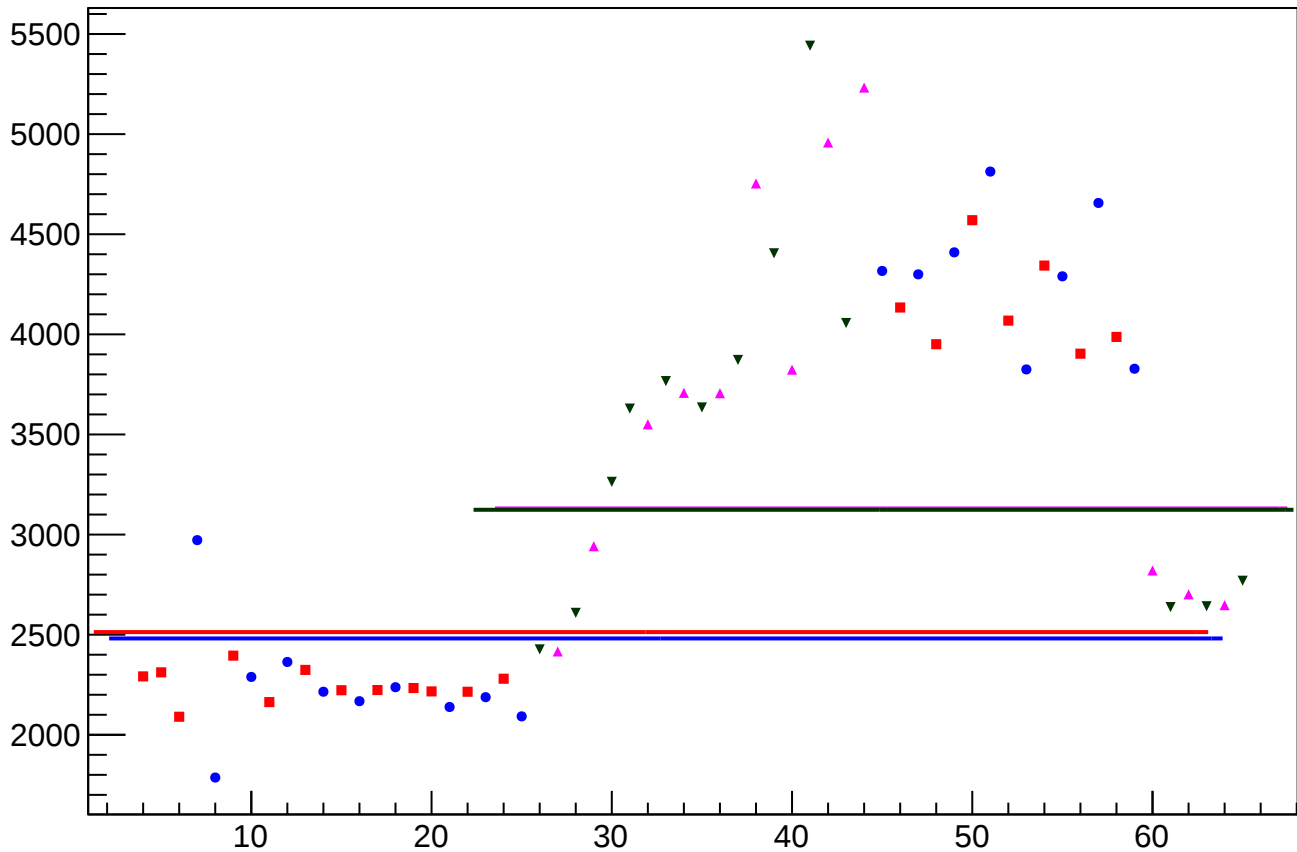
Right Out: -28.584 $\pm$ 0.826 χ^2 /NDF: 168.7/18

Left In: 2.474 $\pm$ 1.201 χ^2 /NDF: 200.4/11

-22.074 $\pm$ 0.660 χ^2 /NDF: 2156.5/30

-18.602 $\pm$ 0.681 χ^2 /NDF: 823.1/30

diff_bpm0l03Y_rms vs slug



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

Left Out: 3123.863+/-0.872 χ^2/NDF : 681942.4/12

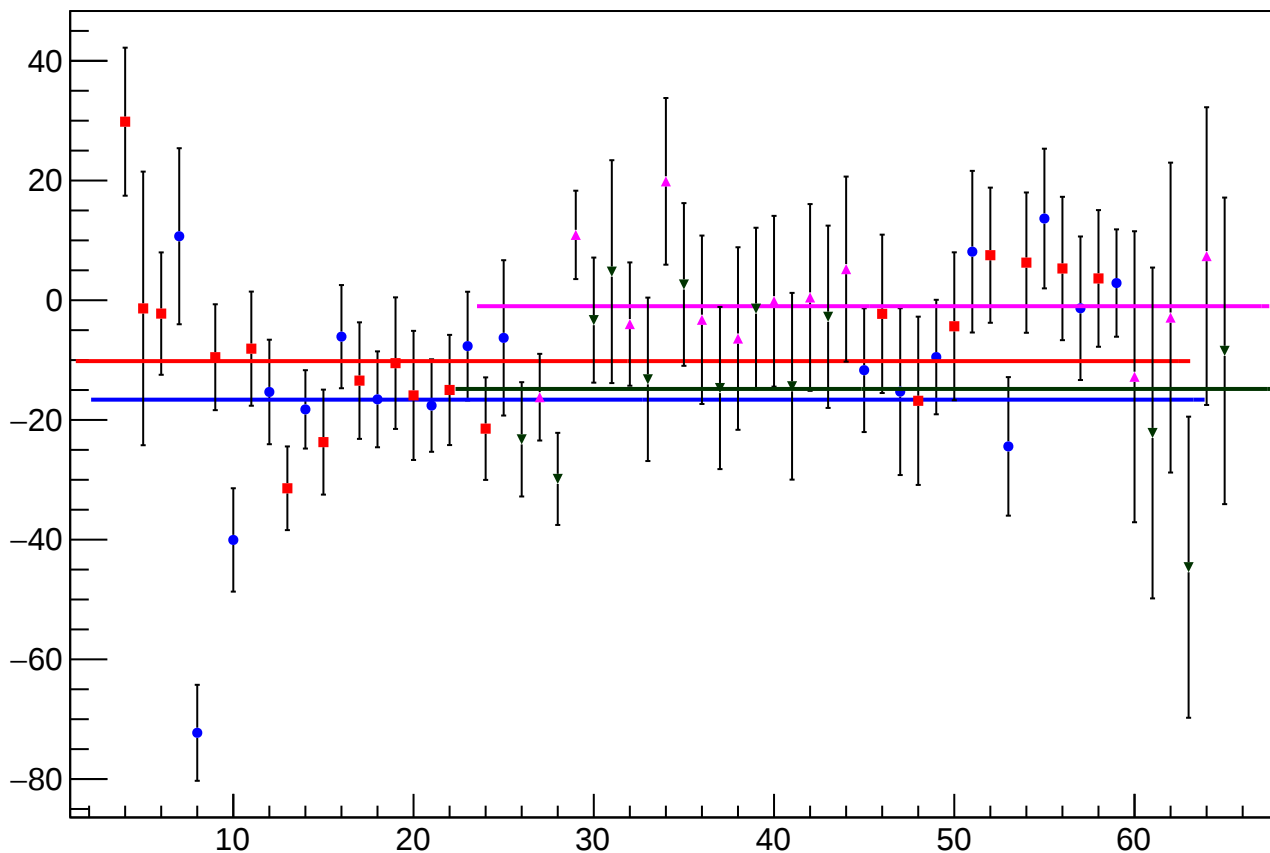
2665.665+/-0.467 χ^2/NDF : 3181997.1/30

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

2711.417+/-0.481 χ^2/NDF : 2416971.9/30

Left In: 3130.467+/-0.849 χ^2/NDF : 759446.1/11

diff_bpm0l04X_mean vs slug



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

Left Out: -14.821 ± 3.665 $\chi^2/\text{NDF}: 11.7/12$

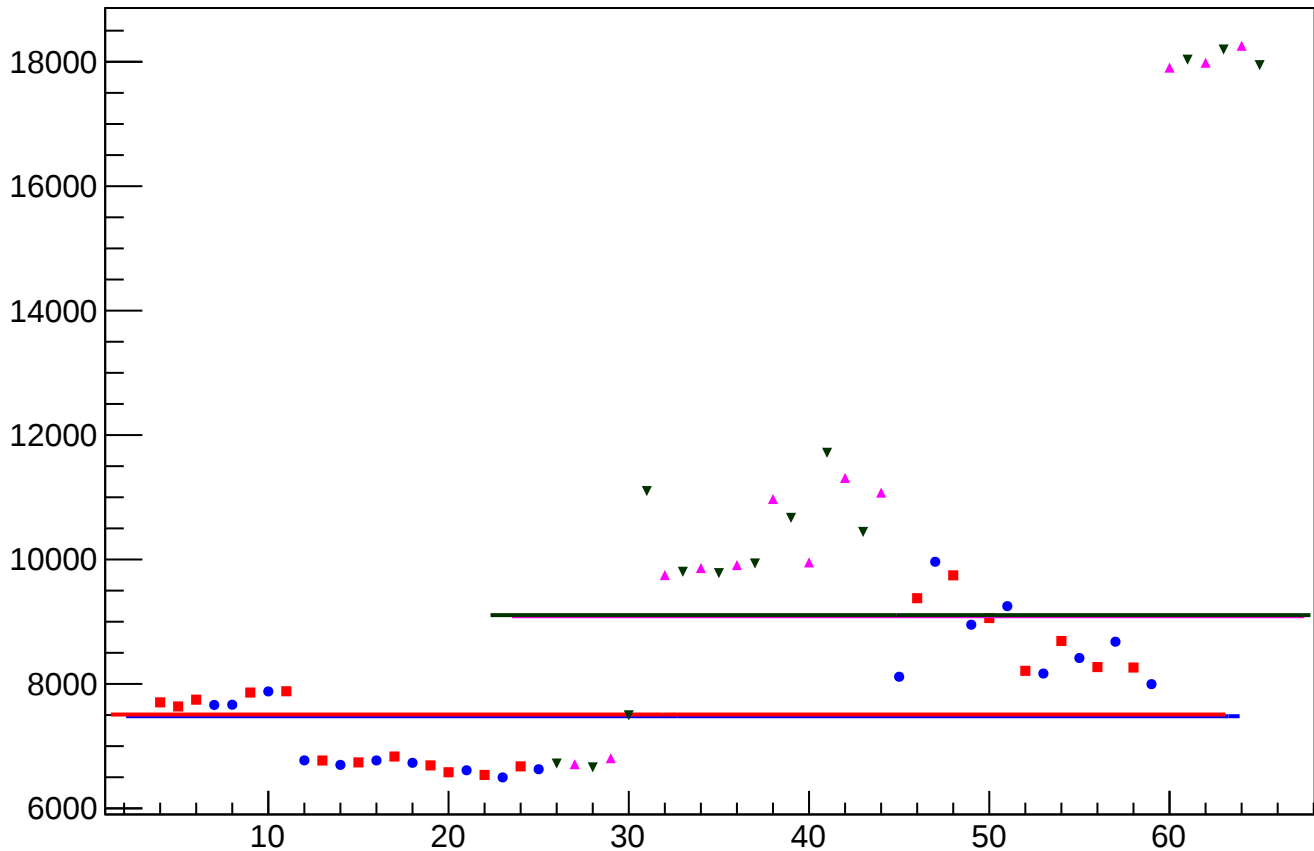
Right Out: -10.172 ± 2.389 $\chi^2/\text{NDF}: 33.7/18$

Left In: -0.995 ± 3.550 $\chi^2/\text{NDF}: 10.0/11$

-16.124 ± 1.912 $\chi^2/\text{NDF}: 91.8/30$

-7.311 ± 1.982 $\chi^2/\text{NDF}: 48.3/30$

diff_bpm0l04X_rms vs slug



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

Left Out: 9105.629+/-2.592 χ^2/NDF :1221489.0/12

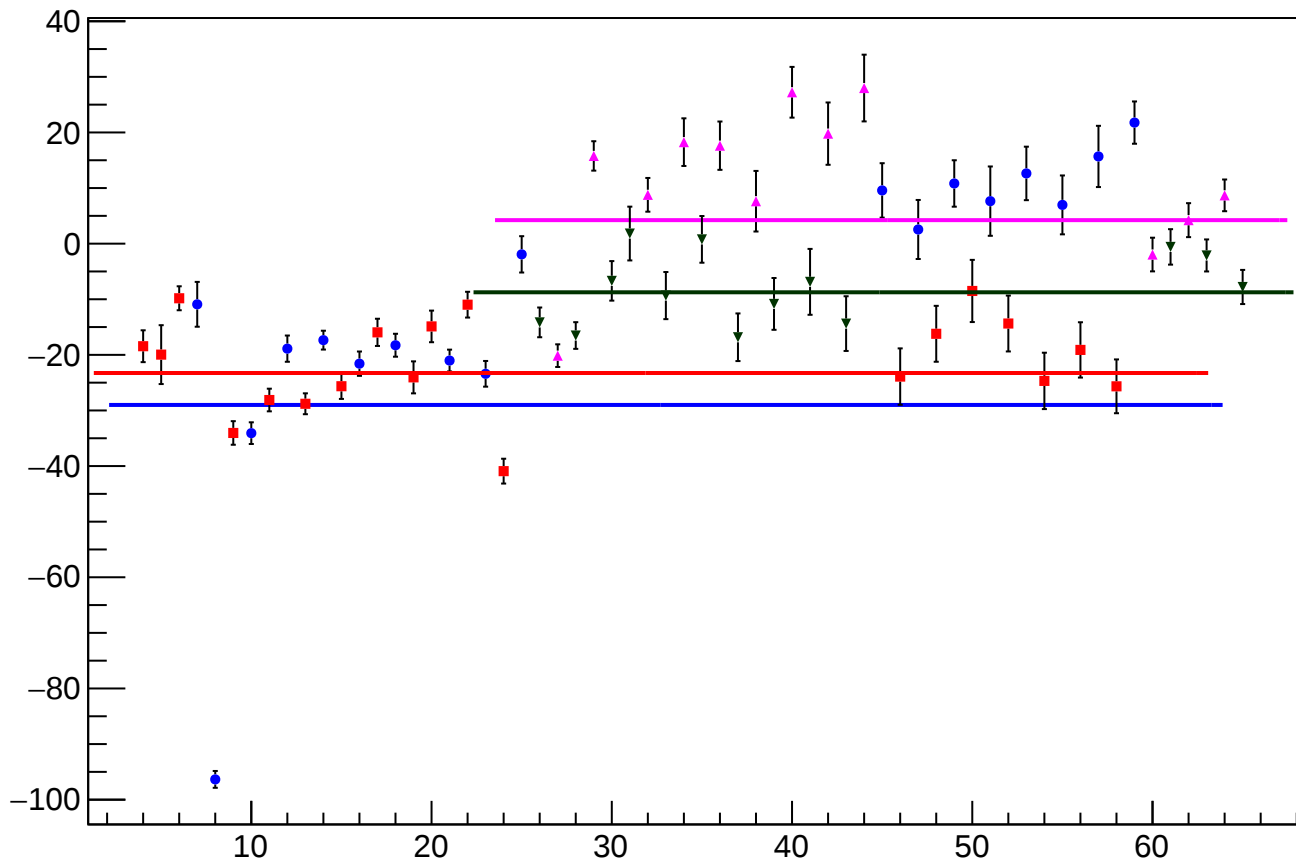
Right Out: 7508.240+/-1.689 χ^2/NDF : 289453.4/18

Left In: 9088.003+/-2.510 χ^2/NDF :1310653.4/11

7923.064+/-1.352 χ^2/NDF : 1842408.0/30

8000.713+/-1.401 χ^2/NDF : 1872728.6/30

diff_bpm0l04Y_mean vs slug



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

Left Out: -8.747 ± 0.979 χ^2/NDF : 42.0/12

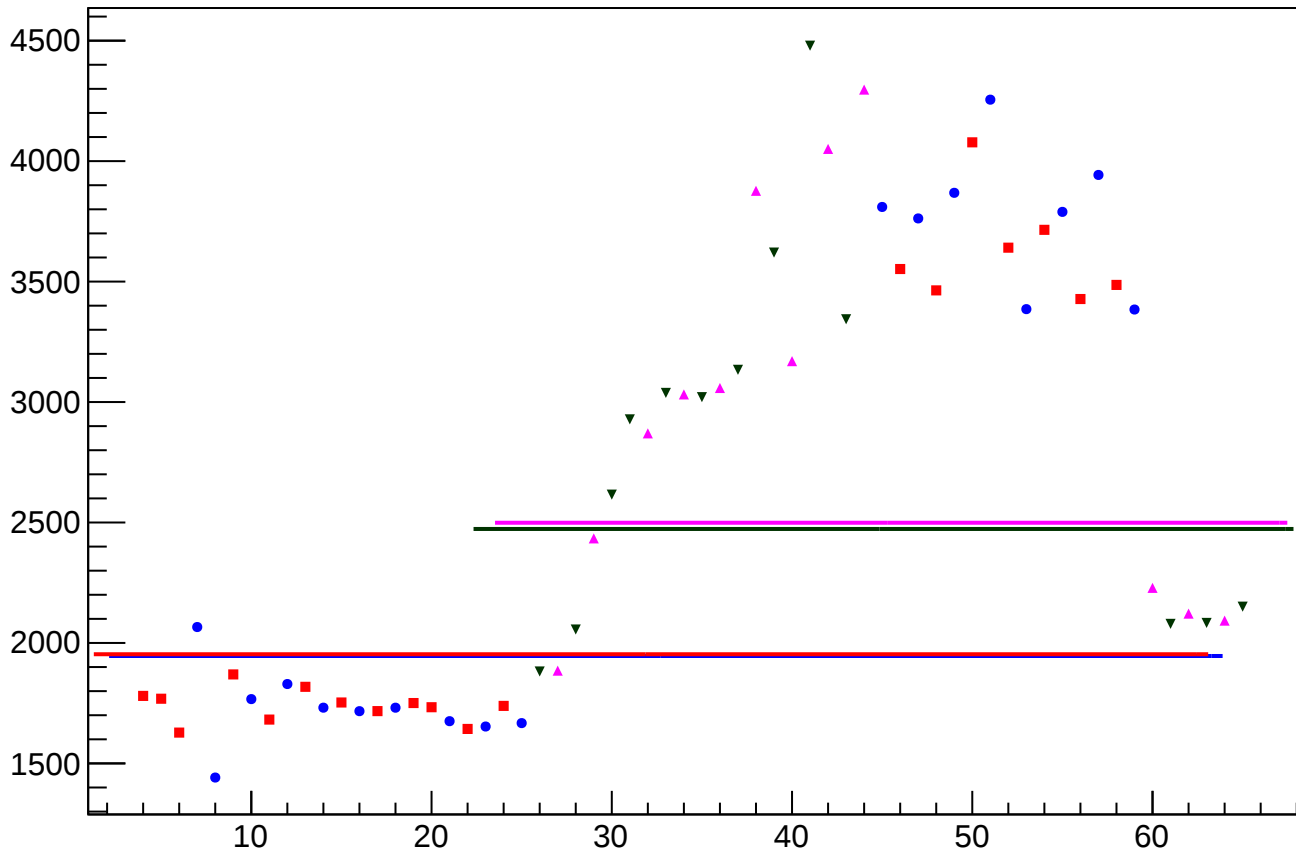
Right Out: -23.263 ± 0.648 χ^2/NDF : 204.8/18

Left In: 4.229 ± 0.962 χ^2/NDF : 240.4/11

-23.230 ± 0.523 χ^2/NDF : 3140.1/30

-14.683 ± 0.537 χ^2/NDF : 1007.0/30

diff_bpm0l04Y_rms vs slug



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

Left Out: 2473.168+/-0.692 χ^2/NDF : 798843.3/12

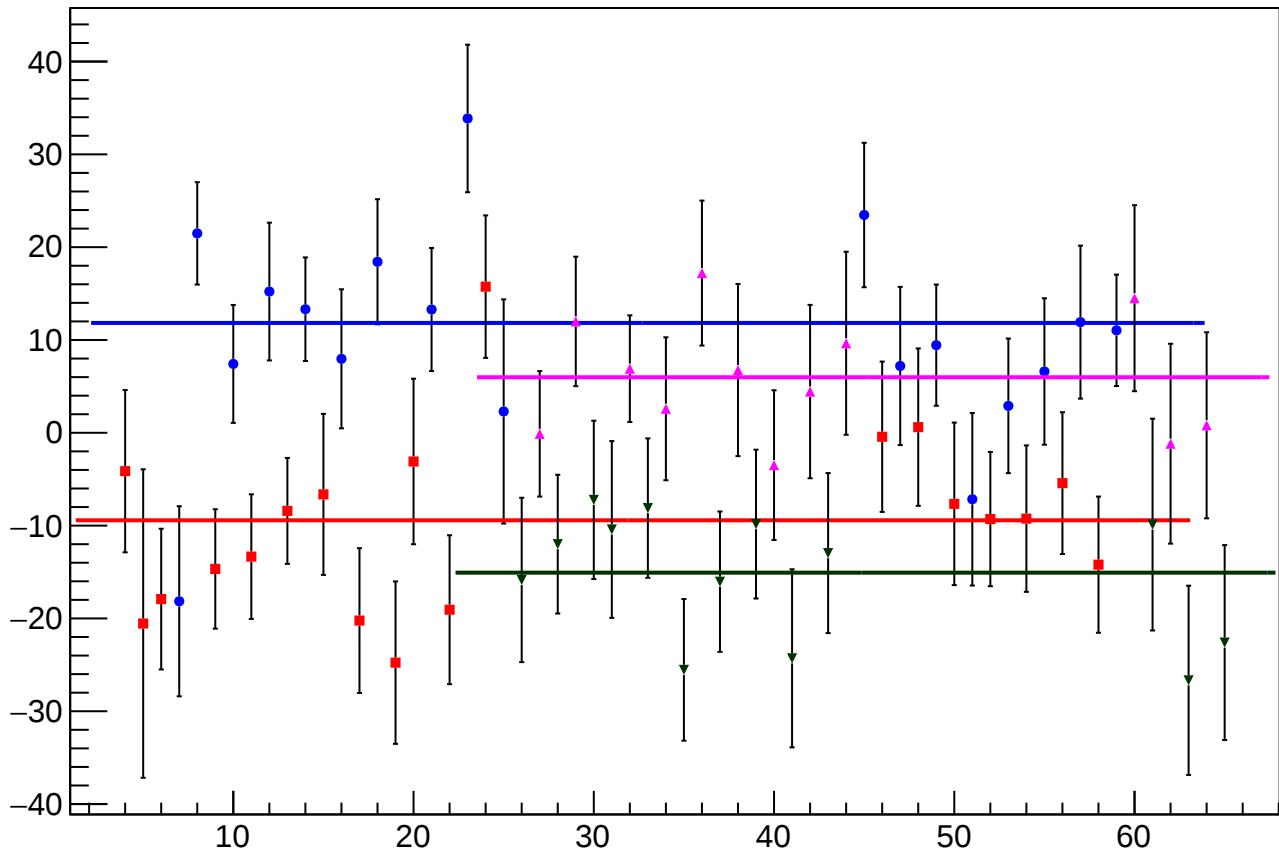
2096.218+/-0.370 χ^2/NDF : 3813069.4/30

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

2123.496+/-0.380 χ^2/NDF : 3036626.4/30

Left In: 2498.970+/-0.680 χ^2/NDF : 867870.3/11

diff_bpm0l05X_mean vs slug



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

Left Out: -15.068 ± 2.397 χ^2/NDF : 7.4/12

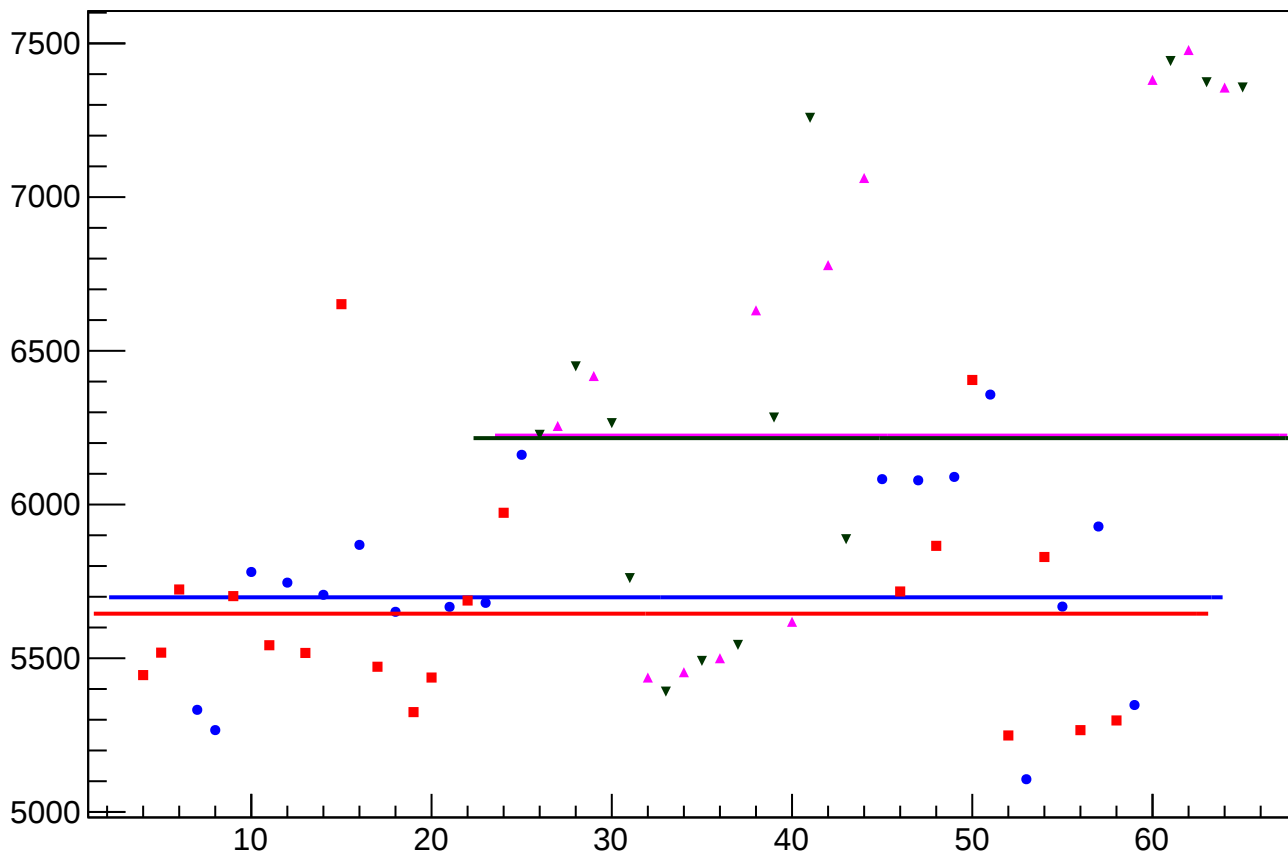
Right Out: -9.425 ± 1.790 χ^2/NDF : 24.3/18

Left In: 5.984 ± 2.336 χ^2/NDF : 6.8/11

2.824 ± 1.387 χ^2/NDF : 122.0/30

-3.724 ± 1.421 χ^2/NDF : 58.5/30

diff_bpm0l05X_rms vs slug



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

Left Out: 6215.988+/-1.695 χ^2/NDF : 163682.9/12

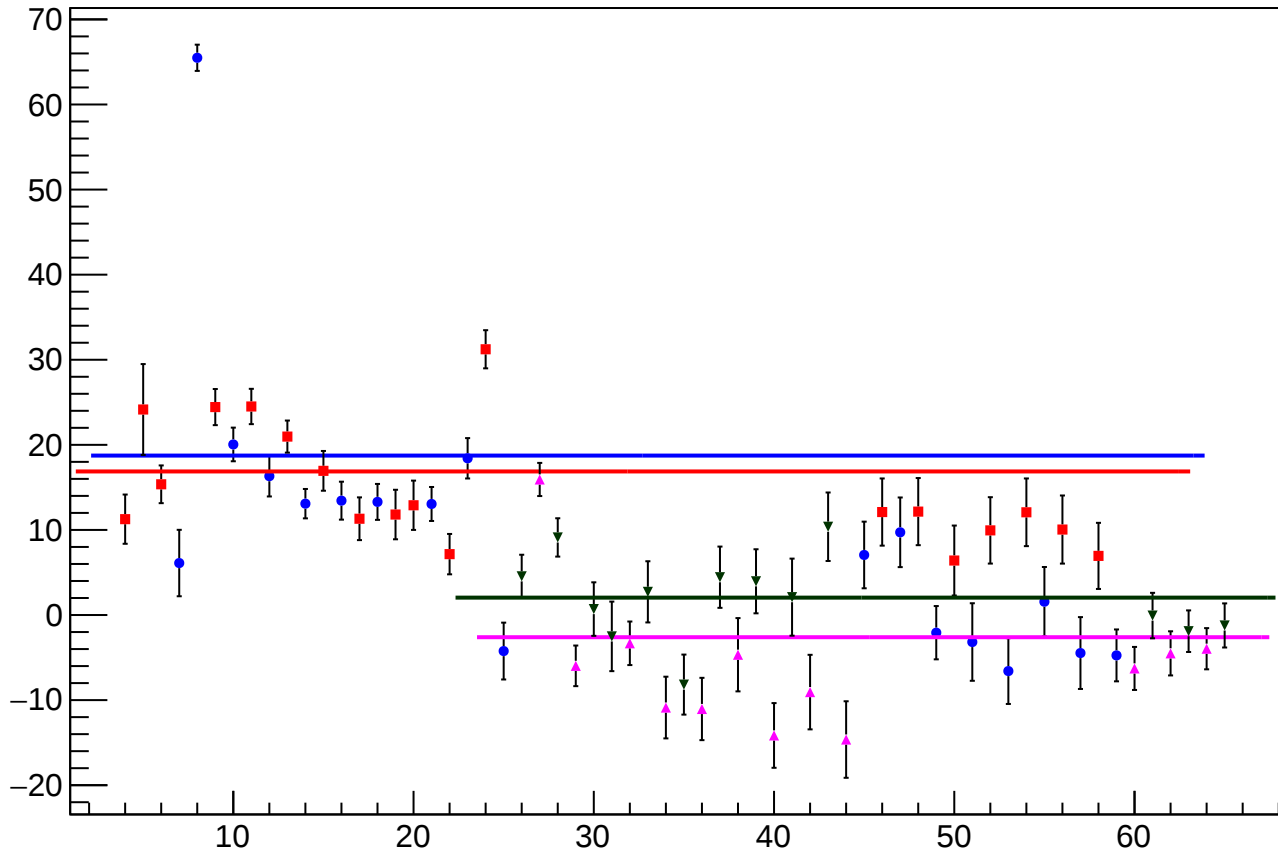
Right Out: 5644.999+/-1.266 χ^2/NDF : 71475.4/18

Left In: 6224.219+/-1.652 χ^2/NDF : 192234.5/11

5871.684+/-0.981 χ^2/NDF : 292957.8/30

5859.291+/-1.005 χ^2/NDF : 341189.8/30

diff_bpm0l05Y_mean vs slug



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

Left Out: 2.044 $\pm$ 0.849 χ^2 /NDF:30.5/12

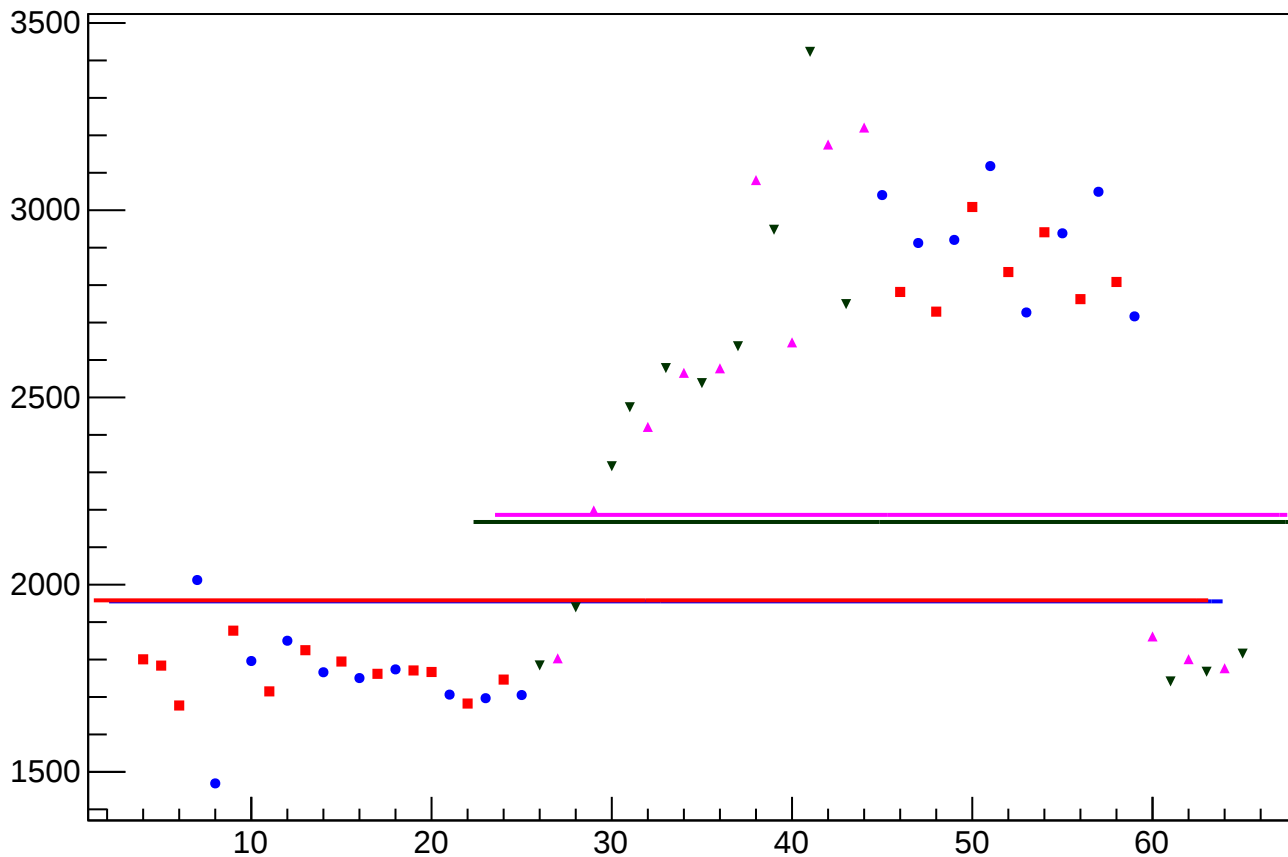
Right Out: 16.874 $\pm$ 0.633 χ^2 /NDF: 128.0/18

Left In: -2.608 $\pm$ 0.833 χ^2 /NDF:124.8/11

13.161 $\pm$ 0.491 χ^2 /NDF: 1529.0/30

9.734 $\pm$ 0.504 χ^2 /NDF: 599.8/30

diff_bpm0l05Y_rms vs slug



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

Left Out: 2167.419 $\pm$ 0.601 χ^2 /NDF: 586785.9/12

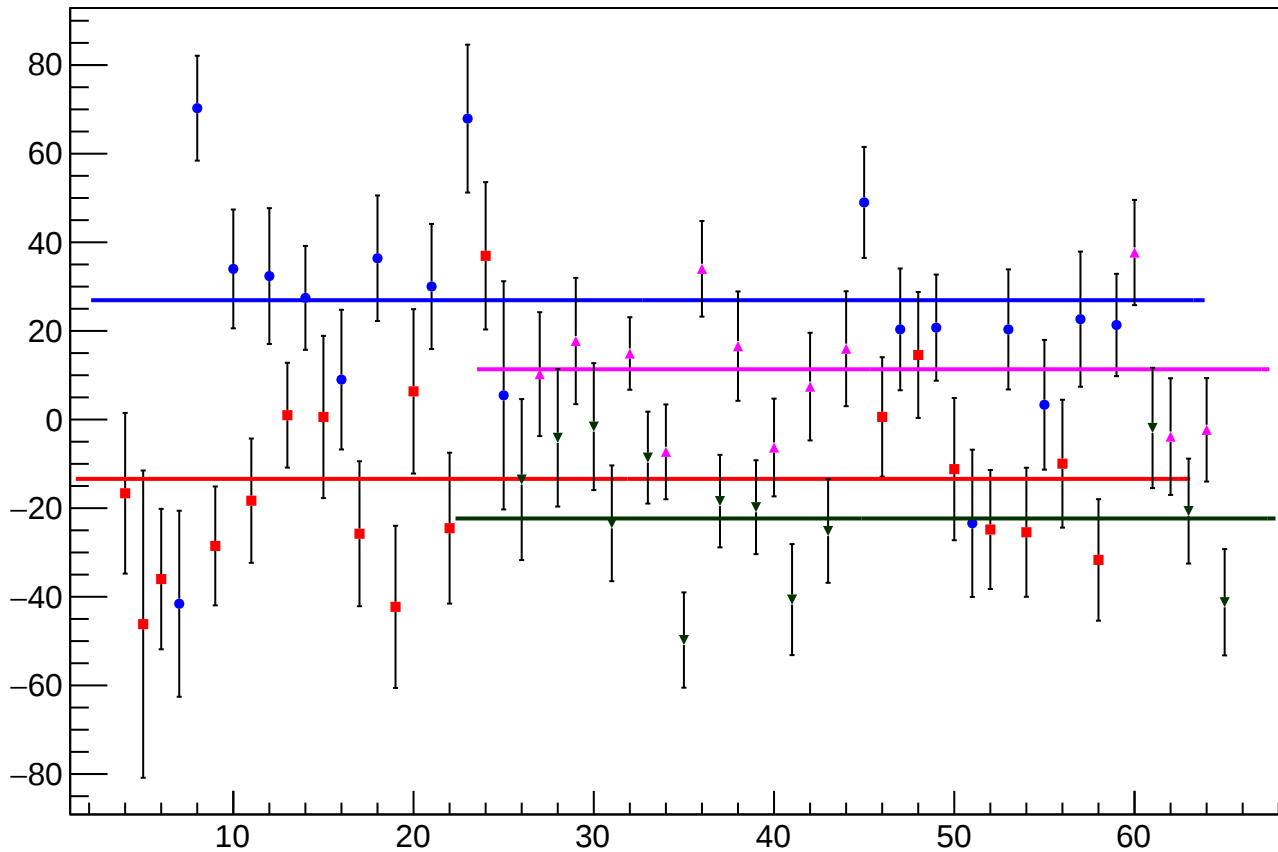
Right Out: 1958.115 $\pm$ 0.448 χ^2 /NDF: 858074.3/18

Left In: 2186.380 $\pm$ 0.589 χ^2 /NDF: 596676.9/11

2026.208 $\pm$ 0.347 χ^2 /NDF: 2045458.4/30

2041.770 $\pm$ 0.356 χ^2 /NDF: 1549999.0/30

diff_bpm0l06X_mean vs slug



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

Left Out: -22.327 ± 3.388 $\chi^2/\text{NDF}: 19.1/12$

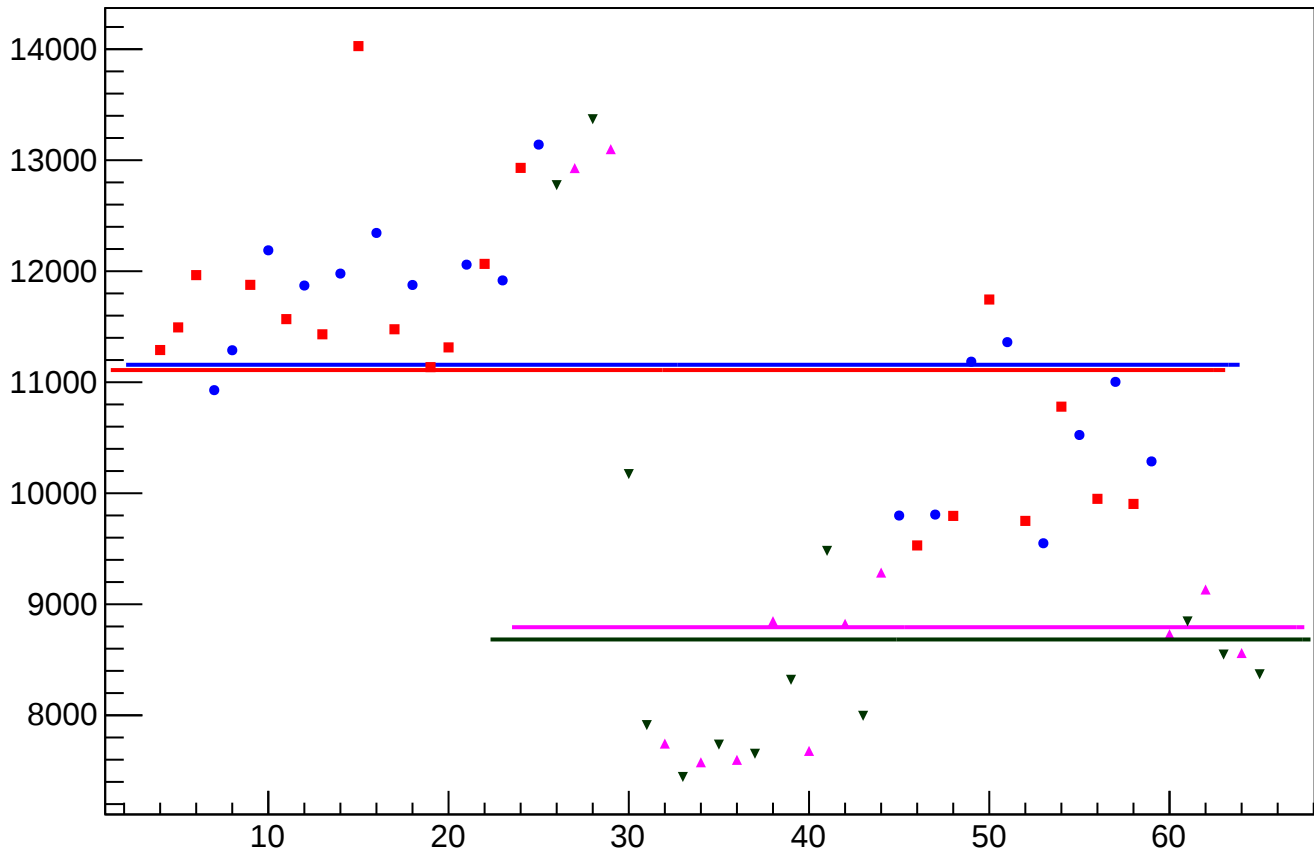
Right Out: -13.392 ± 3.535 $\chi^2/\text{NDF}: 28.4/18$

Left In: 11.344 ± 3.333 $\chi^2/\text{NDF}: 18.4/11$

2.676 ± 2.377 $\chi^2/\text{NDF}: 175.4/30$

-0.299 ± 2.425 $\chi^2/\text{NDF}: 72.8/30$

diff_bpm0l06X_rms vs slug



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

Left Out: 8682.902 $\pm$ 2.396 χ^2 /NDF:395195.0/12

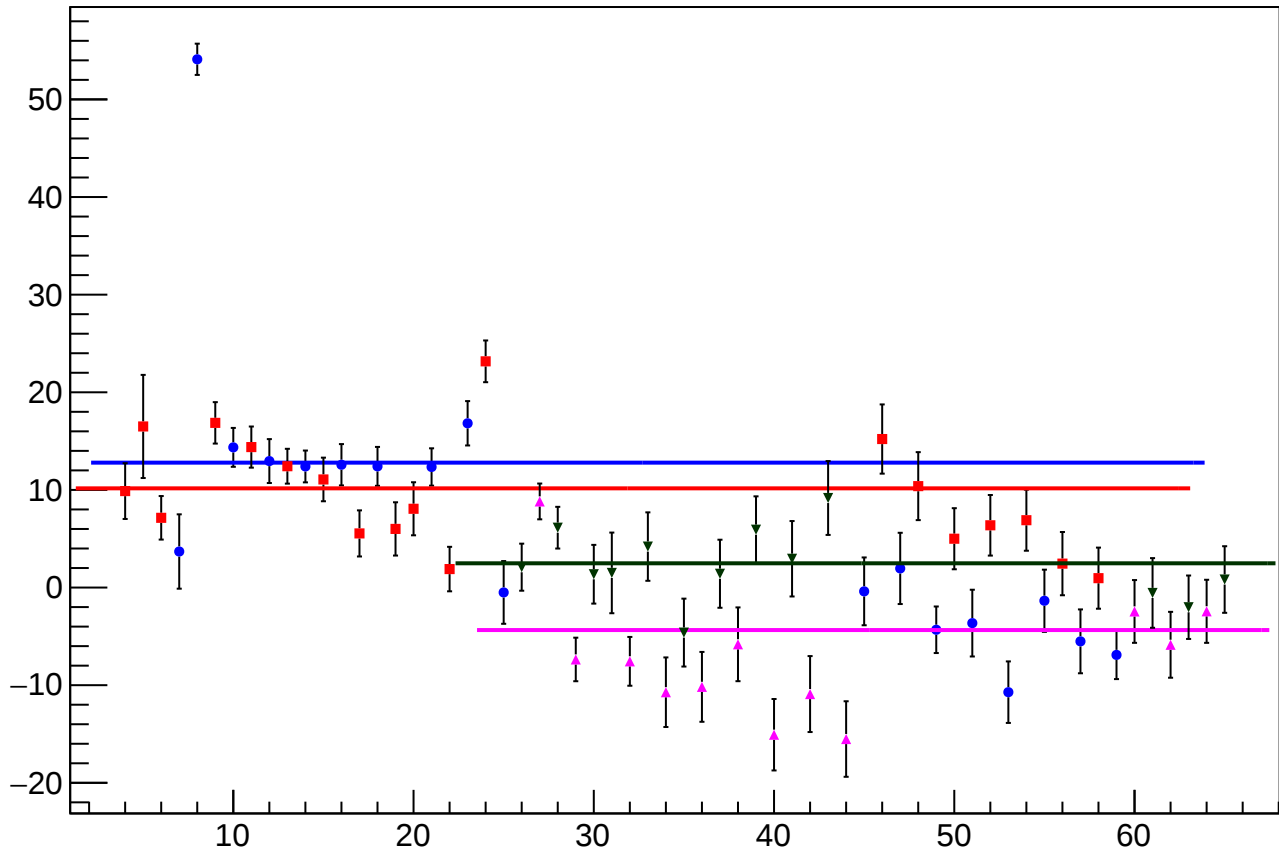
9938.906 $\pm$ 1.681 χ^2 /NDF: 1090483.3/30

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

9883.678 $\pm$ 1.715 χ^2 /NDF: 1117479.8/30

Left In: 8793.410 $\pm$ 2.357 χ^2 /NDF:466513.3/11

diff_bpm0l06Y_mean vs slug



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

Left Out: 2.484 ± 0.881 χ^2/NDF : 14.7/12

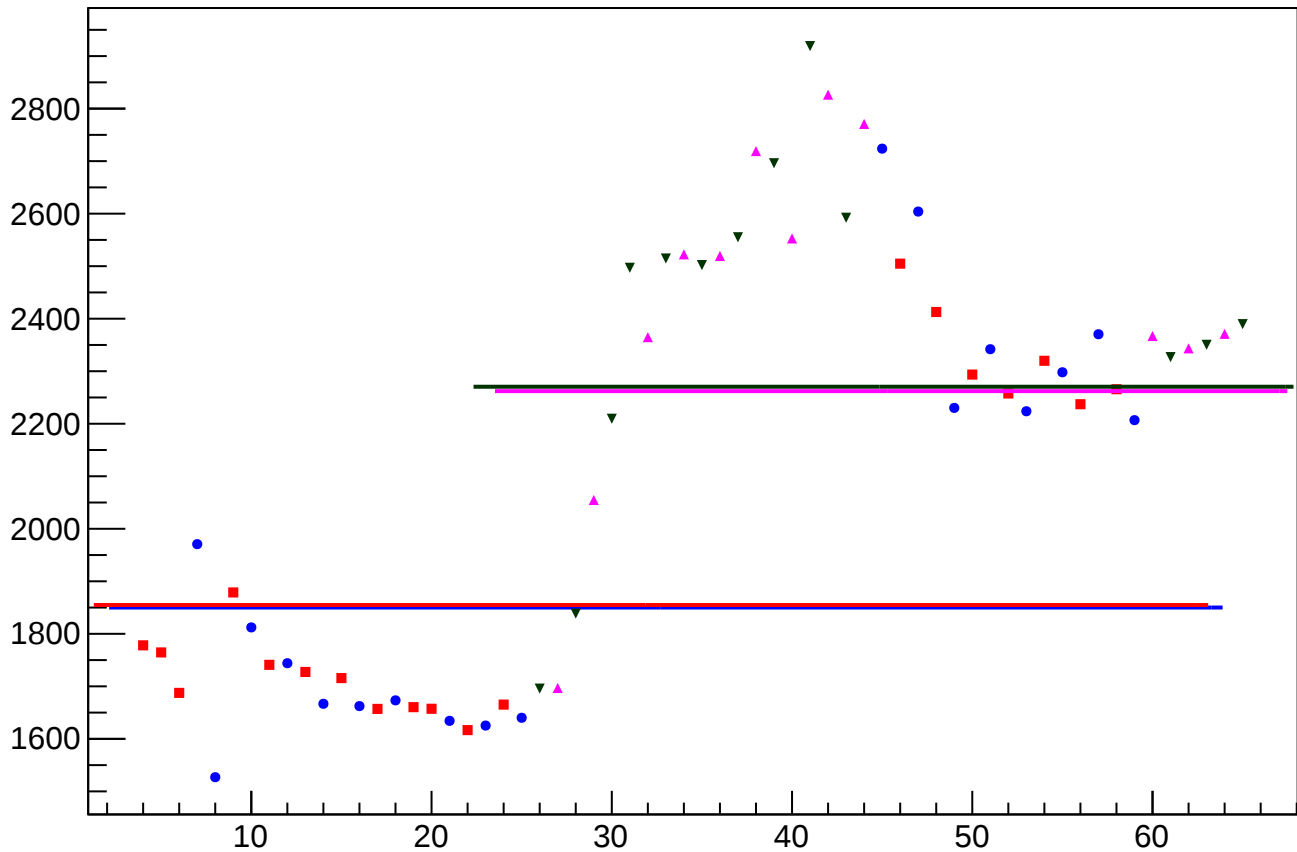
Right Out: 10.162 ± 0.592 χ^2/NDF : 97.7/18

Left In: -4.353 ± 0.853 χ^2/NDF : 81.8/11

9.834 ± 0.472 χ^2/NDF : 1073.4/30

5.441 ± 0.487 χ^2/NDF : 374.7/30

diff_bpm0l06Y_rms vs slug



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

Left Out: 2270.456+/-0.623 χ^2/NDF : 340371.3/12

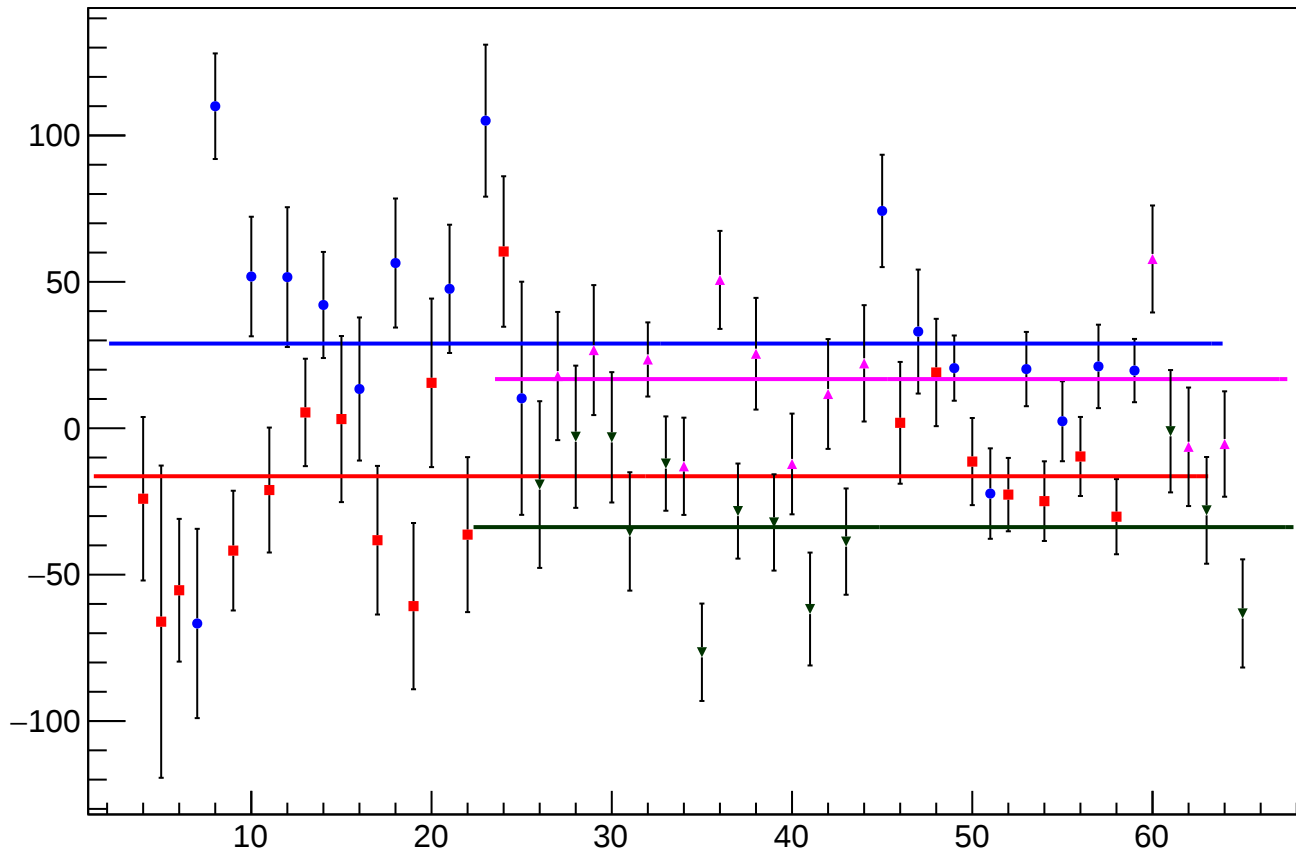
Right Out: 1854.854+/-0.419 χ^2/NDF : 407929.4/18

Left In: 2262.090+/-0.603 χ^2/NDF : 356021.0/11

1970.749+/-0.334 χ^2/NDF : 1328165.3/30

1987.300+/-0.344 χ^2/NDF : 1071419.6/30

diff_bpm0l07X_mean vs slug



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

Left Out: -33.764 ± 5.248 $\chi^2/\text{NDF}: 19.6/12$

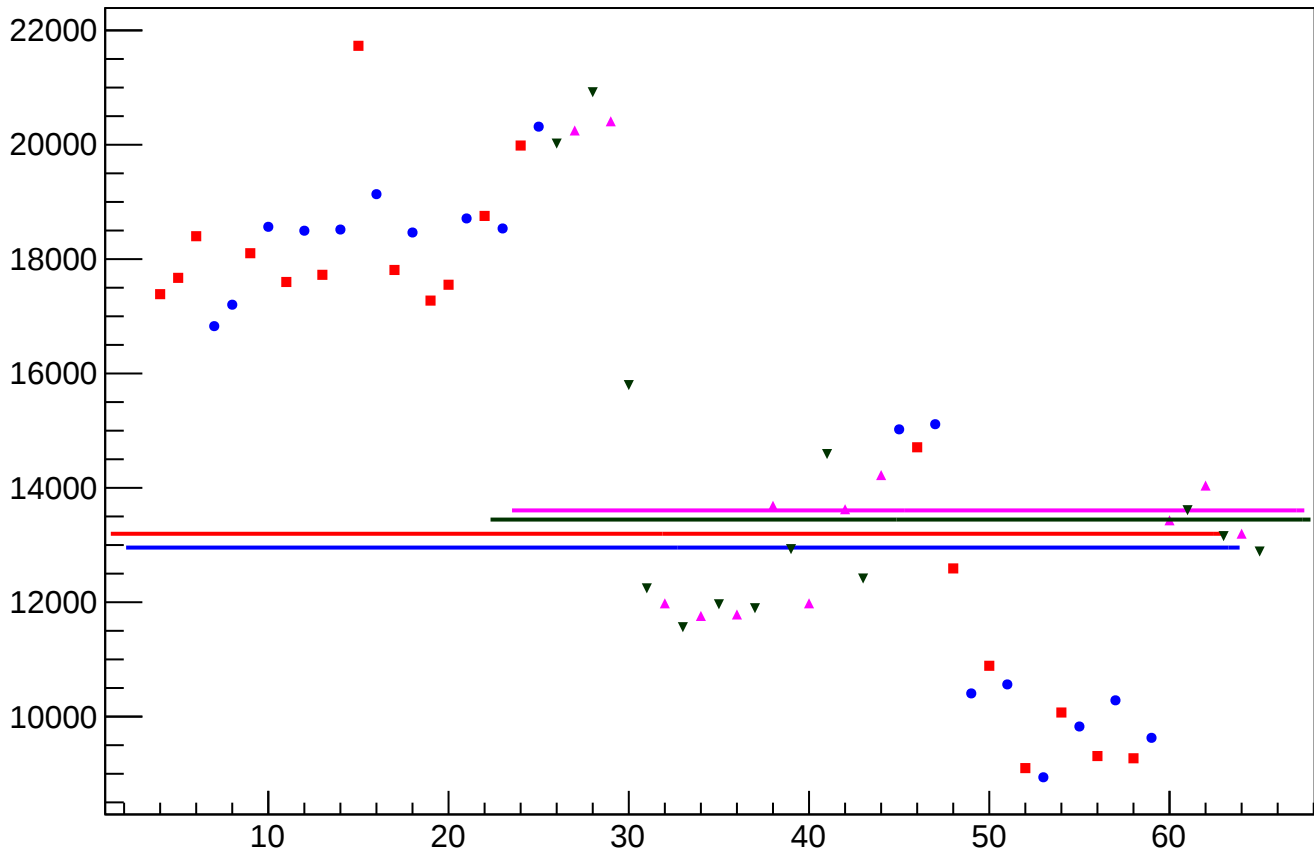
Right Out: -16.388 ± 4.377 $\chi^2/\text{NDF}: 27.5/18$

Left In: 16.791 ± 5.159 $\chi^2/\text{NDF}: 18.8/11$

5.631 ± 3.199 $\chi^2/\text{NDF}: 174.9/30$

-2.501 ± 3.338 $\chi^2/\text{NDF}: 70.4/30$

diff_bpm0l07X_rms vs slug



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

Left Out: 13445.500+/-3.711 χ^2/NDF : 404834.7/12

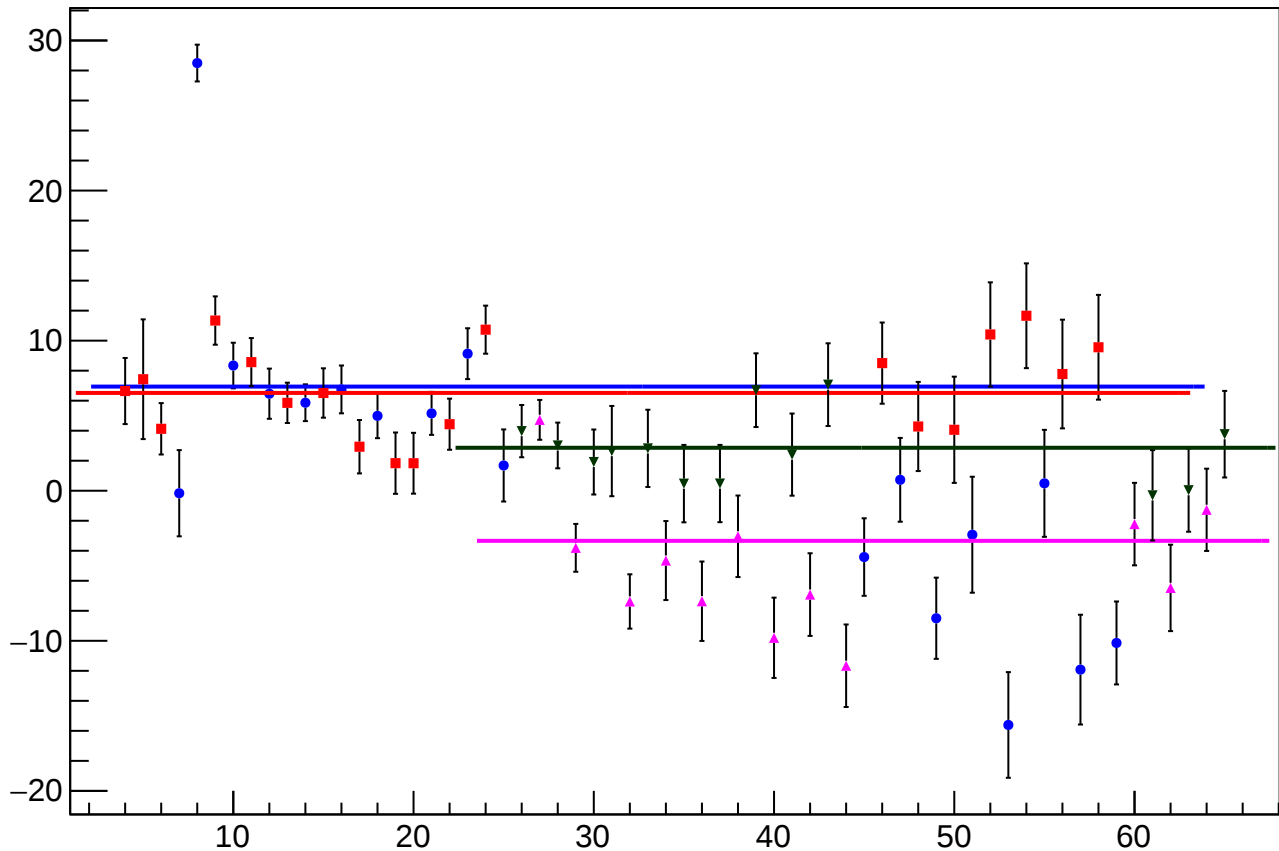
13137.833+/-2.262 χ^2/NDF : 2316409.6/30

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

13368.219+/-2.360 χ^2/NDF : 2250420.8/30

Left In: 13605.813+/-3.648 χ^2/NDF : 475372.1/11

diff_bpm0l07Y_mean vs slug



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

Left Out: 2.862 ± 0.655 χ^2/NDF : 9.4/12

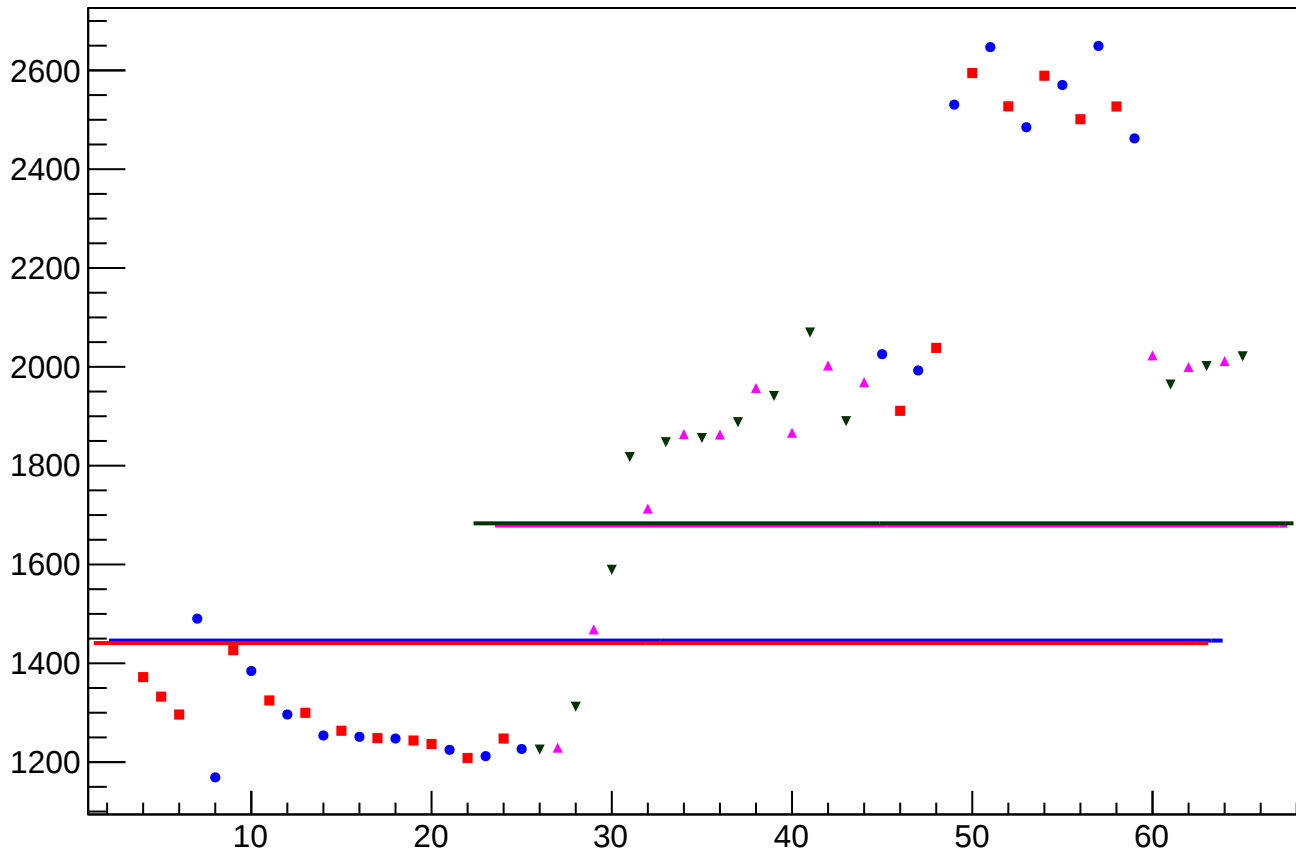
Right Out: 6.517 ± 0.472 χ^2/NDF : 41.8/18

Left In: -3.339 ± 0.635 χ^2/NDF : 63.1/11

5.634 ± 0.371 χ^2/NDF : 535.2/30

3.015 ± 0.379 χ^2/NDF : 260.2/30

diff_bpm0l07Y_rms vs slug



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

Left Out: 1683.271+/-0.463 χ^2/NDF : 438953.8/12

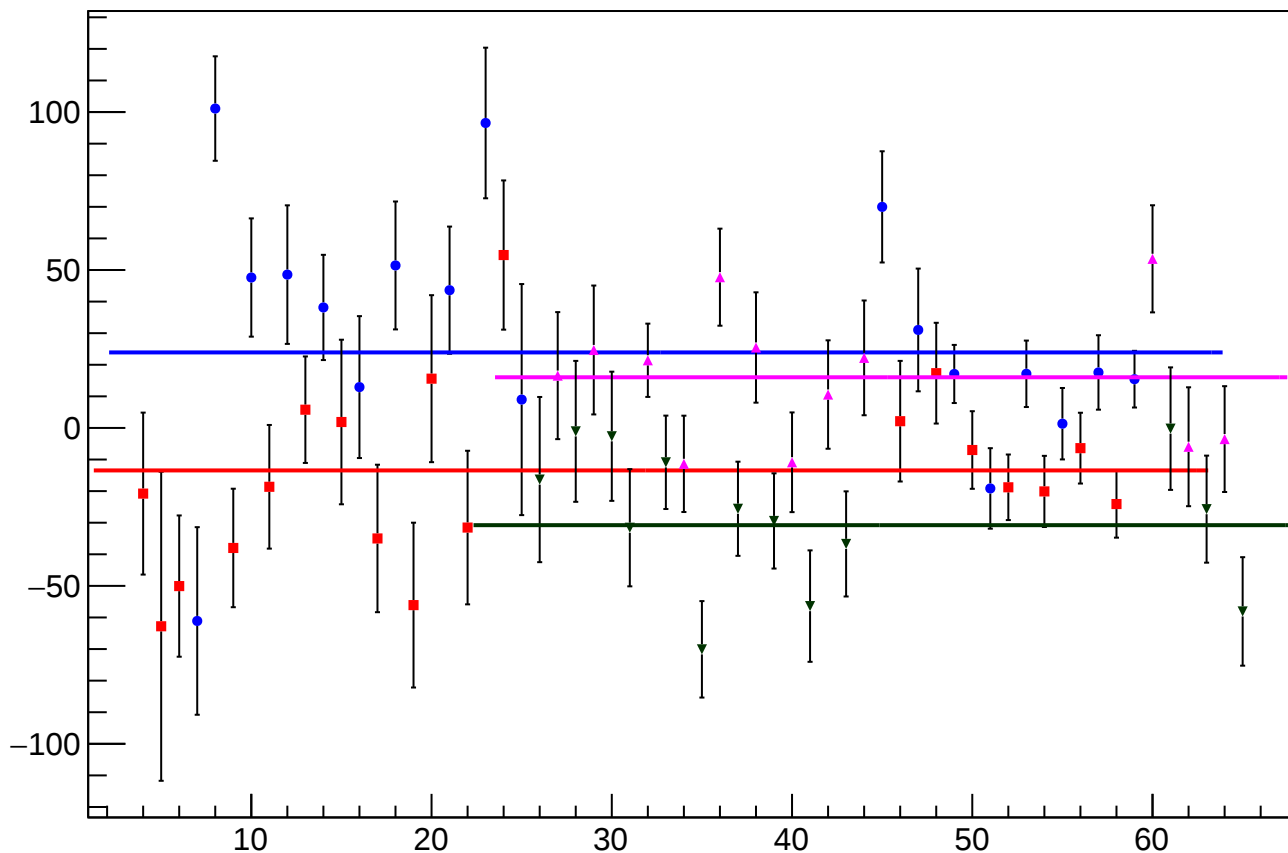
1521.955+/-0.262 χ^2/NDF : 2508687.3/30

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

1525.433+/-0.268 χ^2/NDF : 1964619.7/30

Left In: 1678.654+/-0.449 χ^2/NDF : 450857.7/11

diff_bpm0l08X_mean vs slug



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

Left Out: -30.779 ± 4.828 $\chi^2/\text{NDF}: 19.9/12$

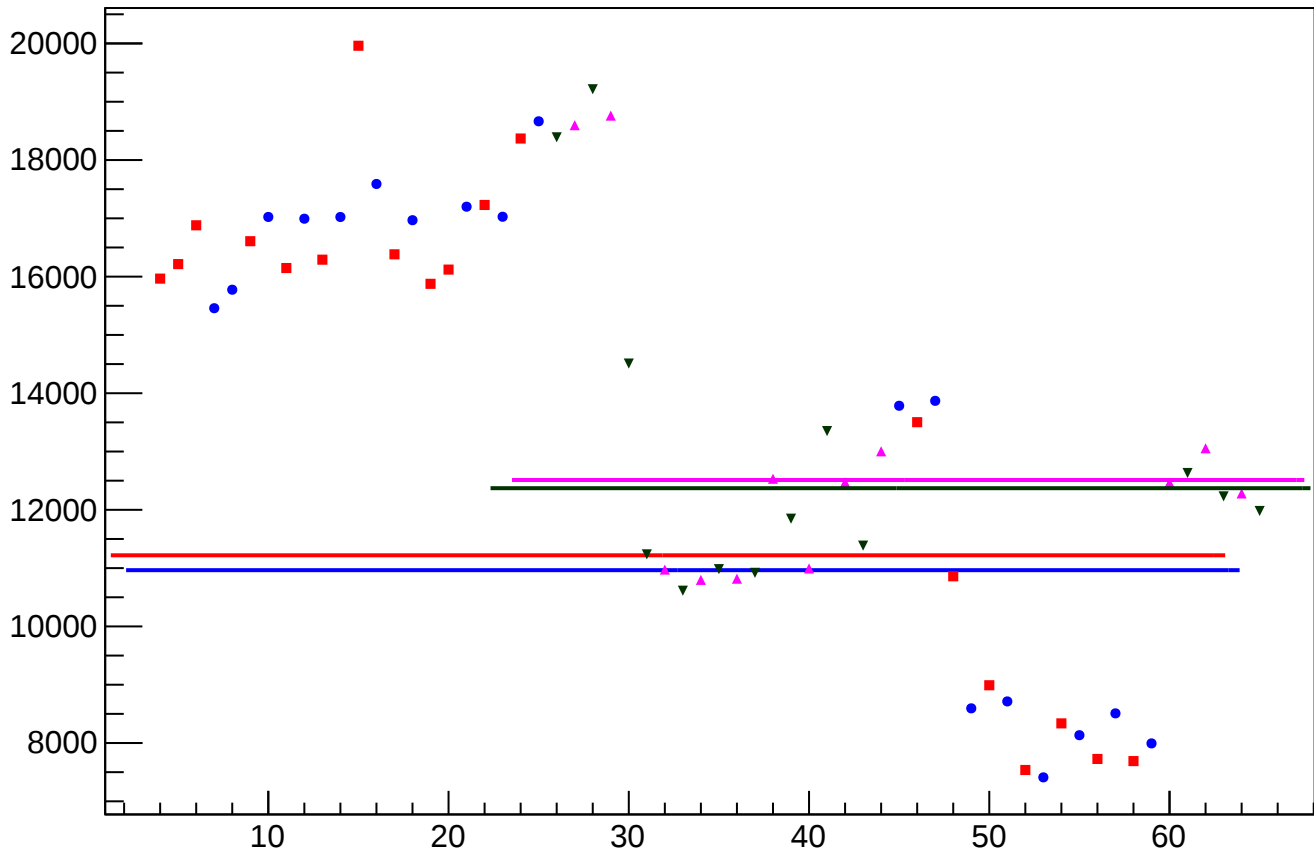
Right Out: -13.450 ± 3.783 $\chi^2/\text{NDF}: 27.5/18$

Left In: 16.039 ± 4.744 $\chi^2/\text{NDF}: 18.9/11$

5.282 ± 2.818 $\chi^2/\text{NDF}: 175.1/30$

-1.987 ± 2.958 $\chi^2/\text{NDF}: 70.0/30$

diff_bpm0l08X_rms vs slug



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

Left Out: 12371.078+/-3.414 χ^2/NDF : 404479.4/12

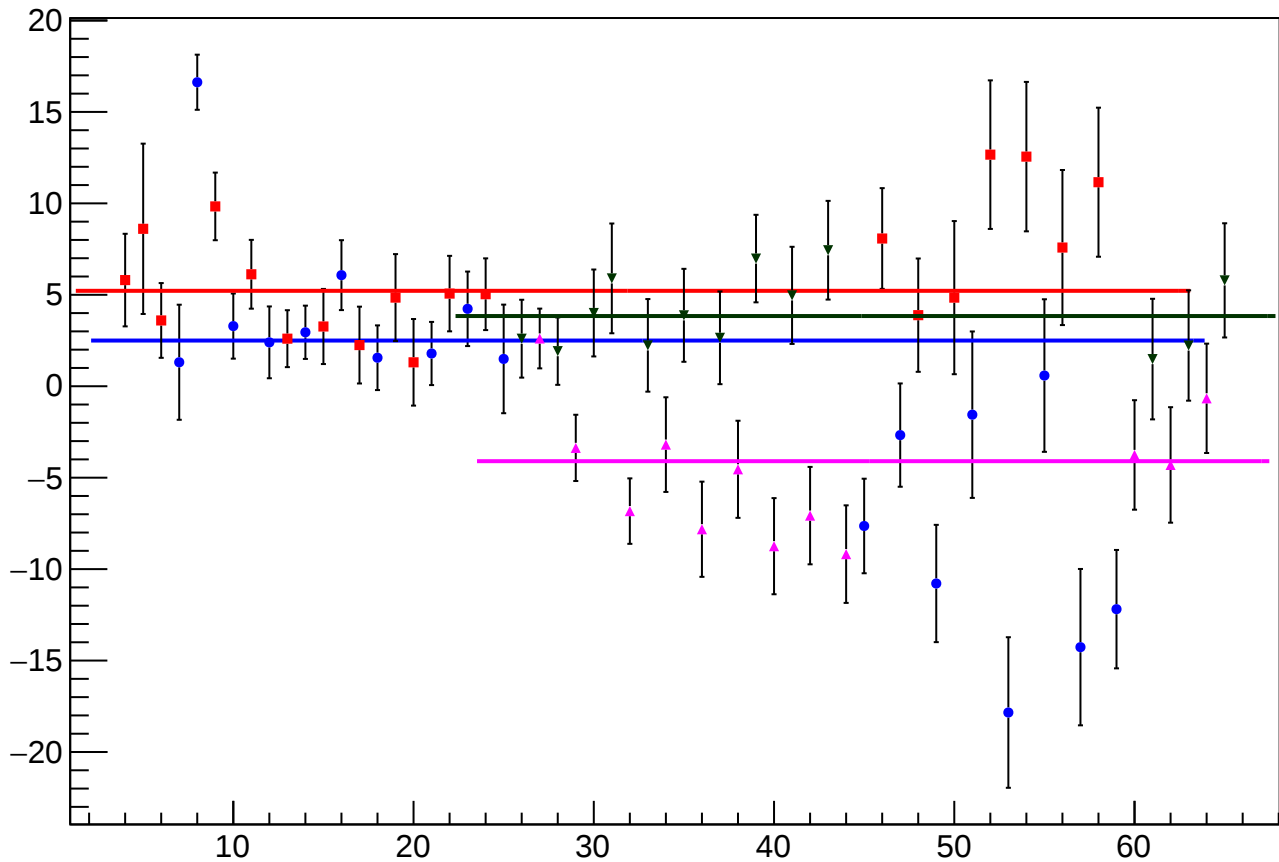
11443.734+/-1.992 χ^2/NDF : 3067211.3/30

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

11722.099+/-2.092 χ^2/NDF : 2912185.7/30

Left In: 12511.760+/-3.355 χ^2/NDF : 477591.0/11

diff_bpm0l08Y_mean vs slug



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

Left Out: 3.839 ± 0.702 χ^2/NDF : 7.4/12

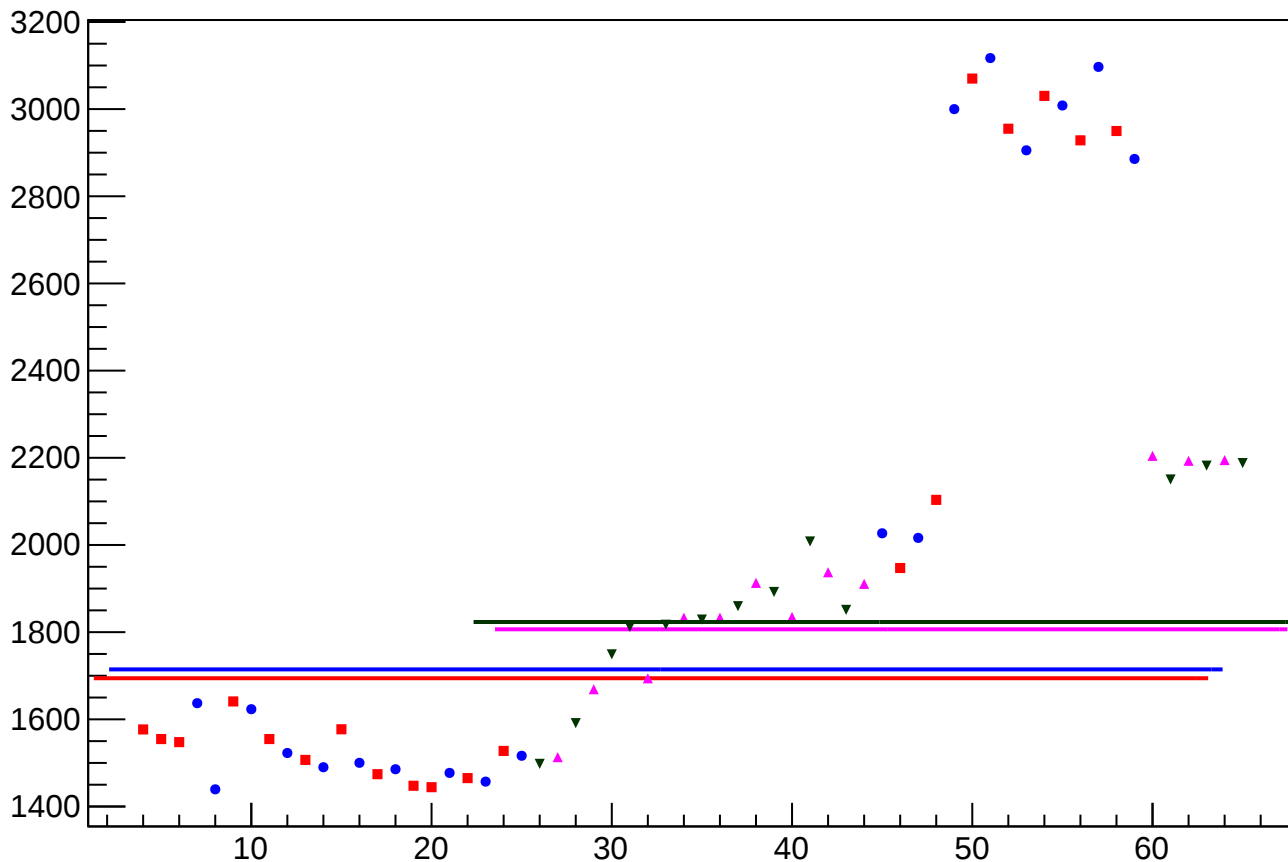
Right Out: 5.218 ± 0.553 χ^2/NDF : 26.5/18

Left In: -4.098 ± 0.677 χ^2/NDF : 30.9/11

2.985 ± 0.423 χ^2/NDF : 200.1/30

1.493 ± 0.428 χ^2/NDF : 170.9/30

diff_bpm0l08Y_rms vs slug



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

Left Out: 1823.297+/-0.497 χ^2/NDF : 167633.0/12

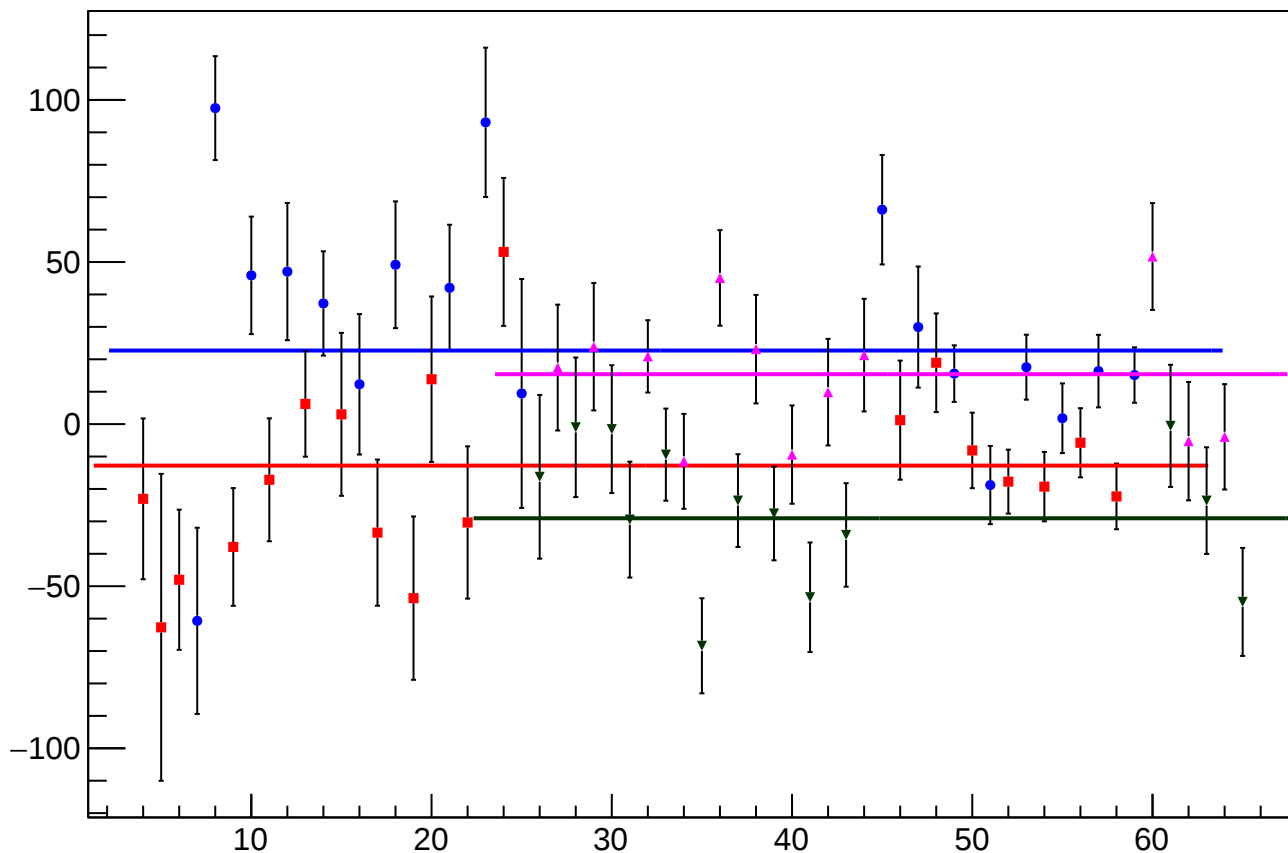
Right Out: 1694.263+/-0.391 χ^2/NDF : 1202765.8/18

Left In: 1806.538+/-0.479 χ^2/NDF : 194655.4/11

1754.031+/-0.299 χ^2/NDF : 1868939.7/30

1739.154+/-0.303 χ^2/NDF : 1430409.0/30

diff_bpm0l09X_mean vs slug



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

Left Out: -29.048 ± 4.650 $\chi^2/\text{NDF}: 20.1/12$

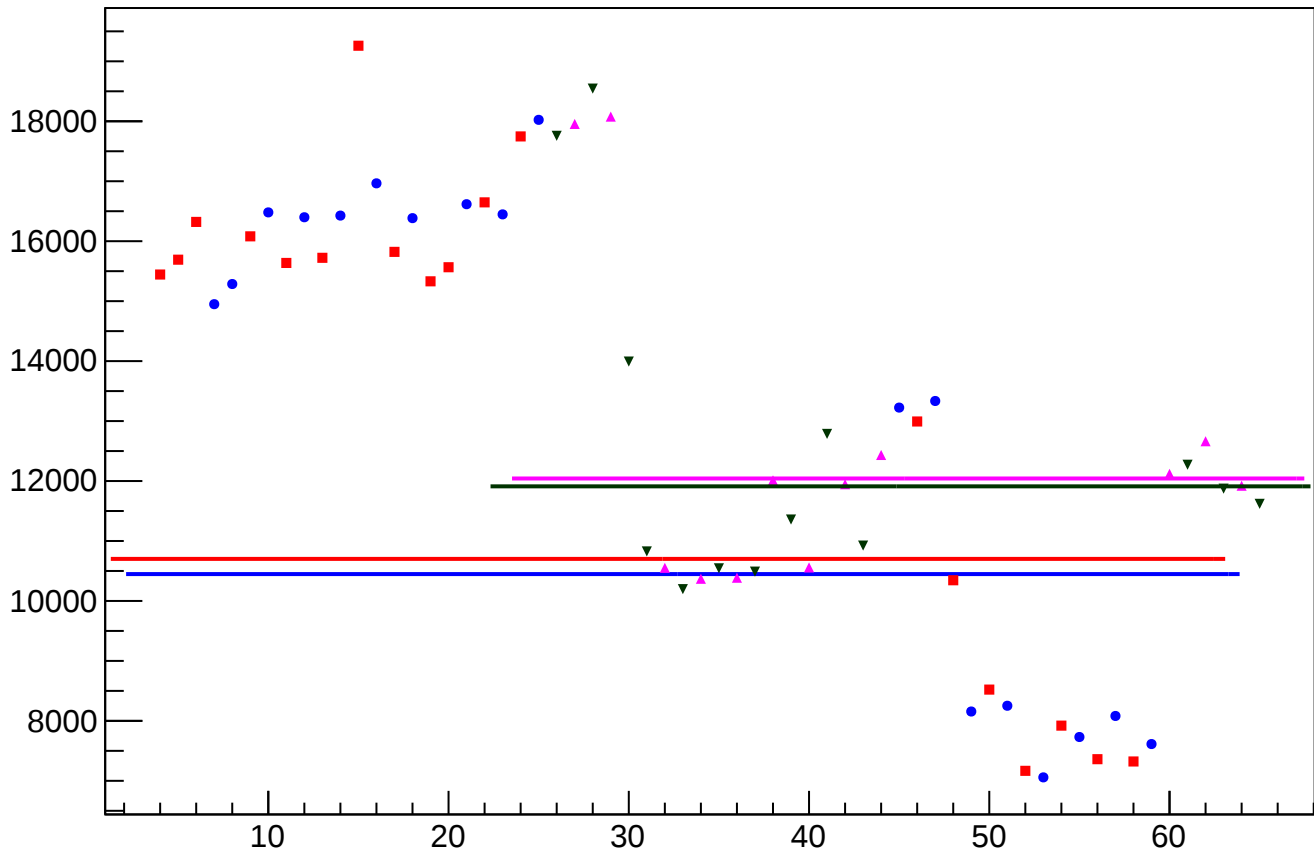
Right Out: -12.799 ± 3.618 $\chi^2/\text{NDF}: 28.2/18$

Left In: 15.397 ± 4.567 $\chi^2/\text{NDF}: 18.5/11$

5.260 ± 2.699 $\chi^2/\text{NDF}: 173.2/30$

-1.927 ± 2.836 $\chi^2/\text{NDF}: 70.1/30$

diff_bpm0l09X_rms vs slug



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

Left Out: 11911.335+/-3.288 χ^2/NDF : 410324.5/12

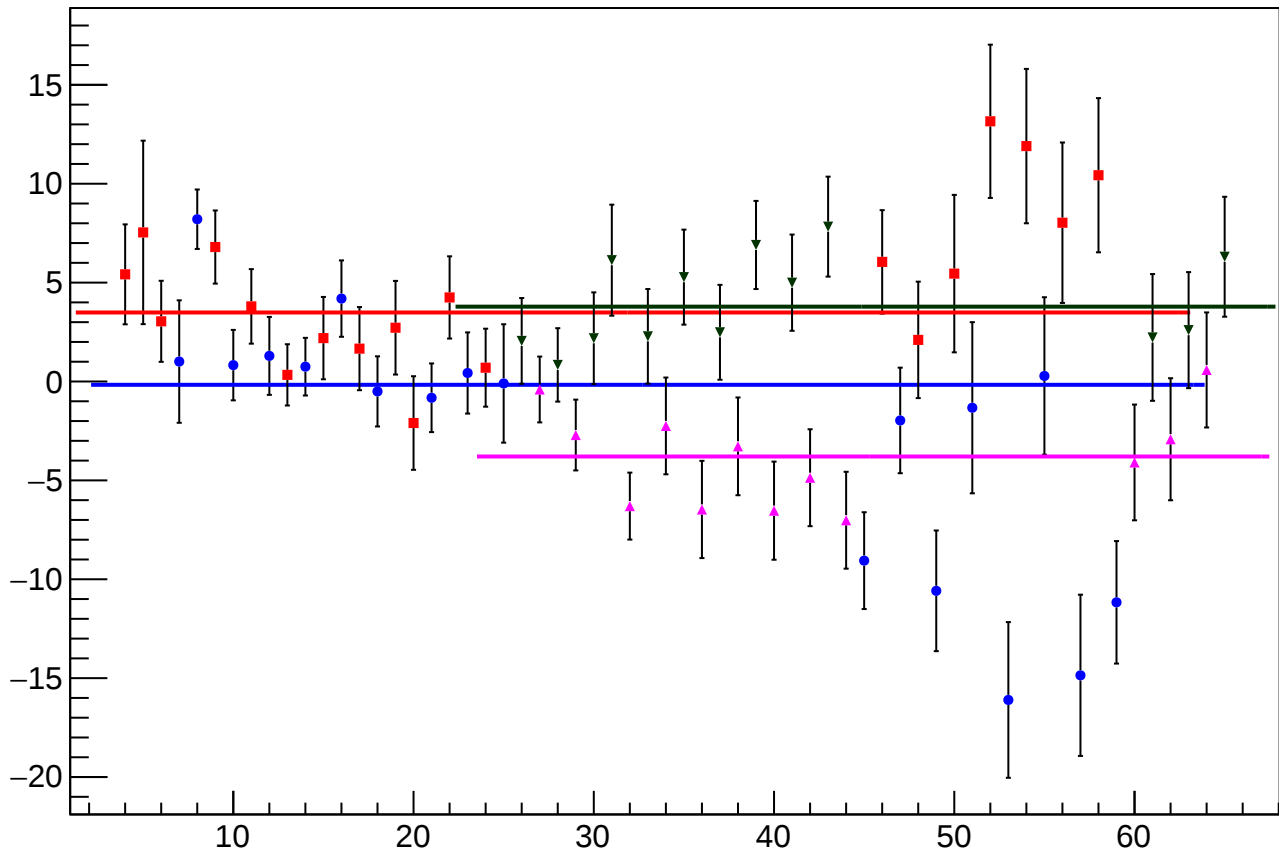
10941.242+/-1.909 χ^2/NDF : 3196293.0/30

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

11218.535+/-2.005 χ^2/NDF : 3028178.5/30

Left In: 12042.401+/-3.229 χ^2/NDF : 483755.2/11

diff_bpm0l09Y_mean vs slug



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

Left Out: 3.785 ± 0.676 $\chi^2/\text{NDF}: 11.3/12$

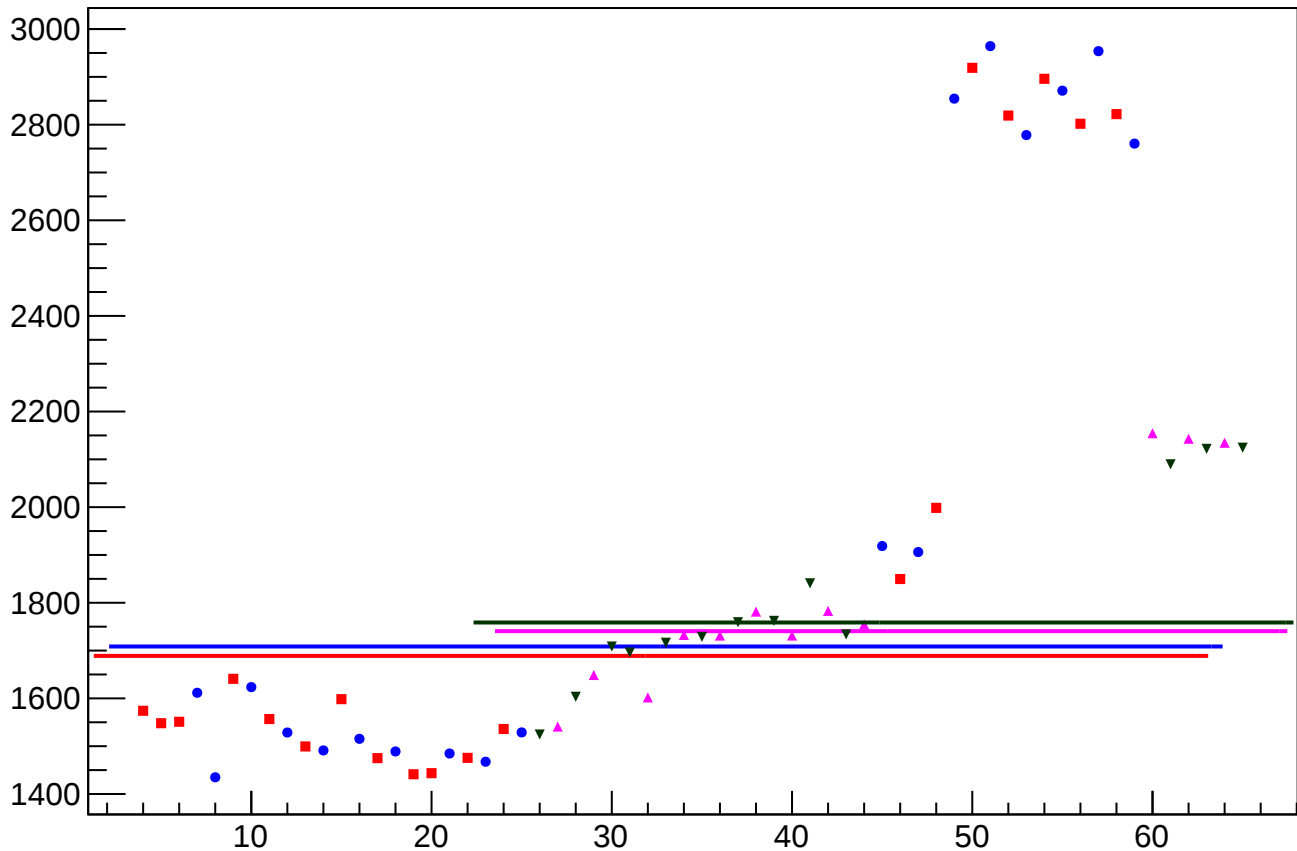
Right Out: 3.490 ± 0.549 $\chi^2/\text{NDF}: 34.4/18$

Left In: -3.793 ± 0.652 $\chi^2/\text{NDF}: 13.8/11$

1.322 ± 0.415 $\chi^2/\text{NDF}: 137.7/30$

0.467 ± 0.420 $\chi^2/\text{NDF}: 121.3/30$

diff_bpm0l09Y_rms vs slug



Right In: 1708.561 $\pm$ 0.372 χ^2 /NDF: 1464594.2/17

Left Out: 1758.757 $\pm$ 0.478 χ^2 /NDF:123803.2/12

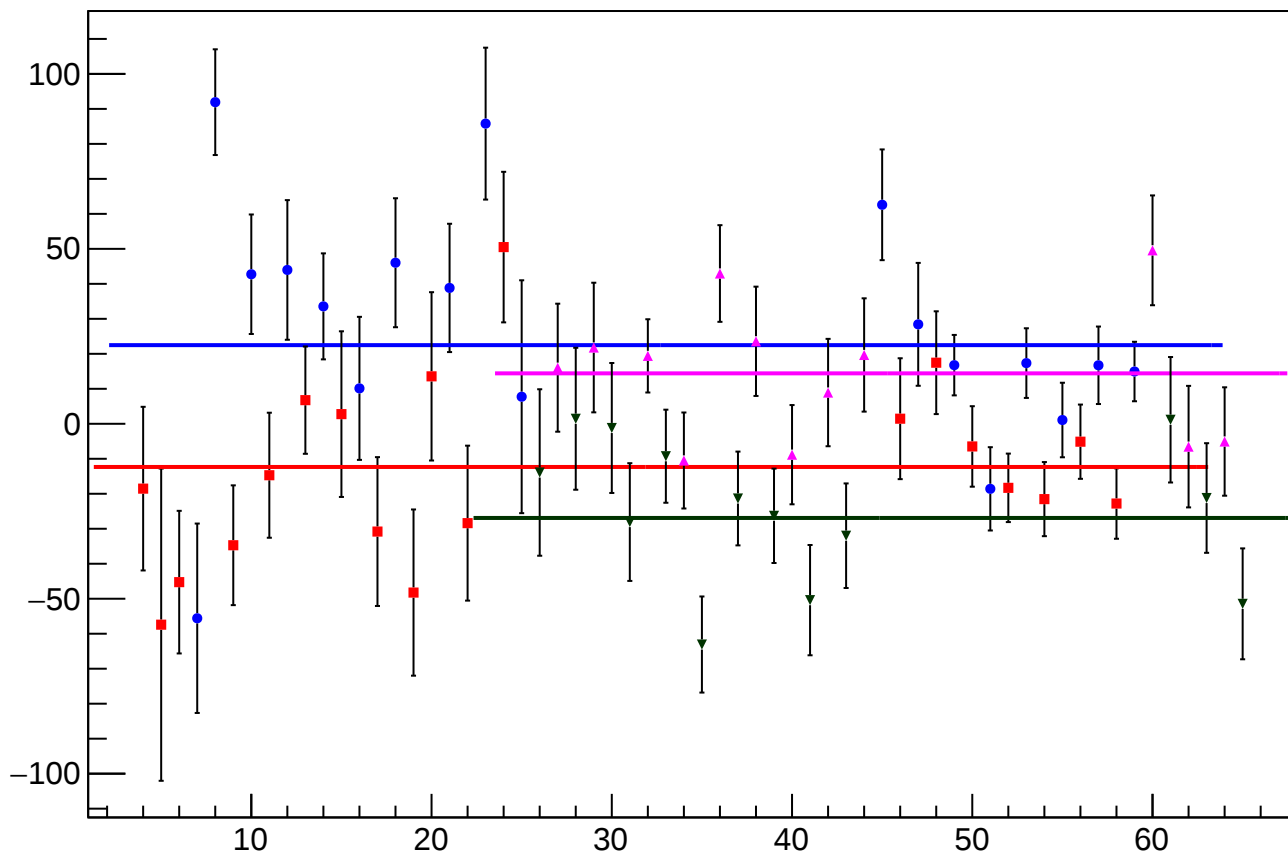
1727.473 $\pm$ 0.293 χ^2 /NDF: 1595266.8/30

Right Out: 1688.902 $\pm$ 0.388 χ^2 /NDF: 1058632.3/18

1710.365 $\pm$ 0.297 χ^2 /NDF: 1225516.5/30

Left In: 1740.618 $\pm$ 0.461 χ^2 /NDF:159517.0/11

diff_bpm0l10X_mean vs slug



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

Left Out: -26.913 ± 4.372 $\chi^2/\text{NDF}: 20.4/12$

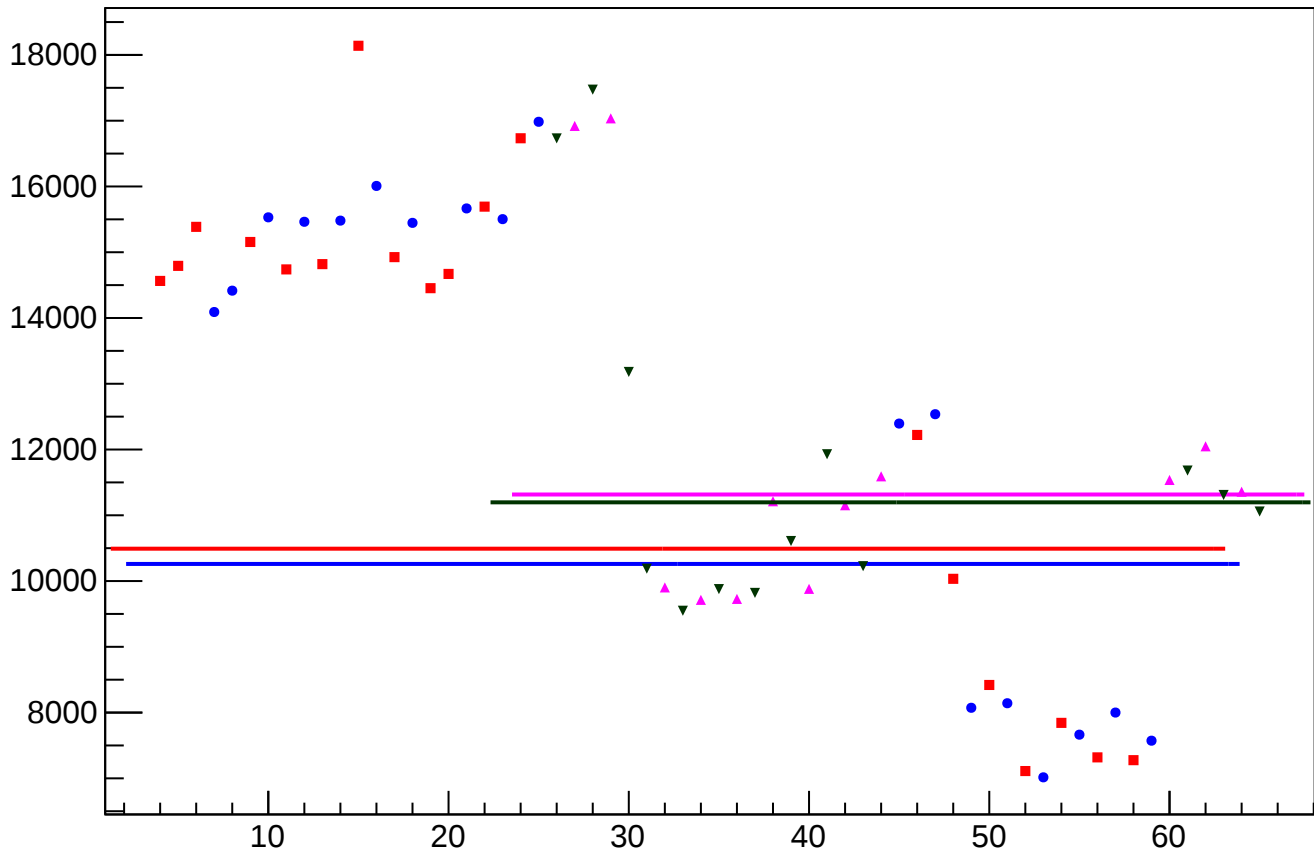
Right Out: -12.340 ± 3.516 $\chi^2/\text{NDF}: 28.3/18$

Left In: 14.416 ± 4.293 $\chi^2/\text{NDF}: 19.3/11$

5.053 ± 2.597 $\chi^2/\text{NDF}: 171.3/30$

-1.597 ± 2.720 $\chi^2/\text{NDF}: 70.8/30$

diff_bpm0l10X_rms vs slug



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

Left Out: 11196.918+/-3.091 χ^2/NDF : 418185.0/12

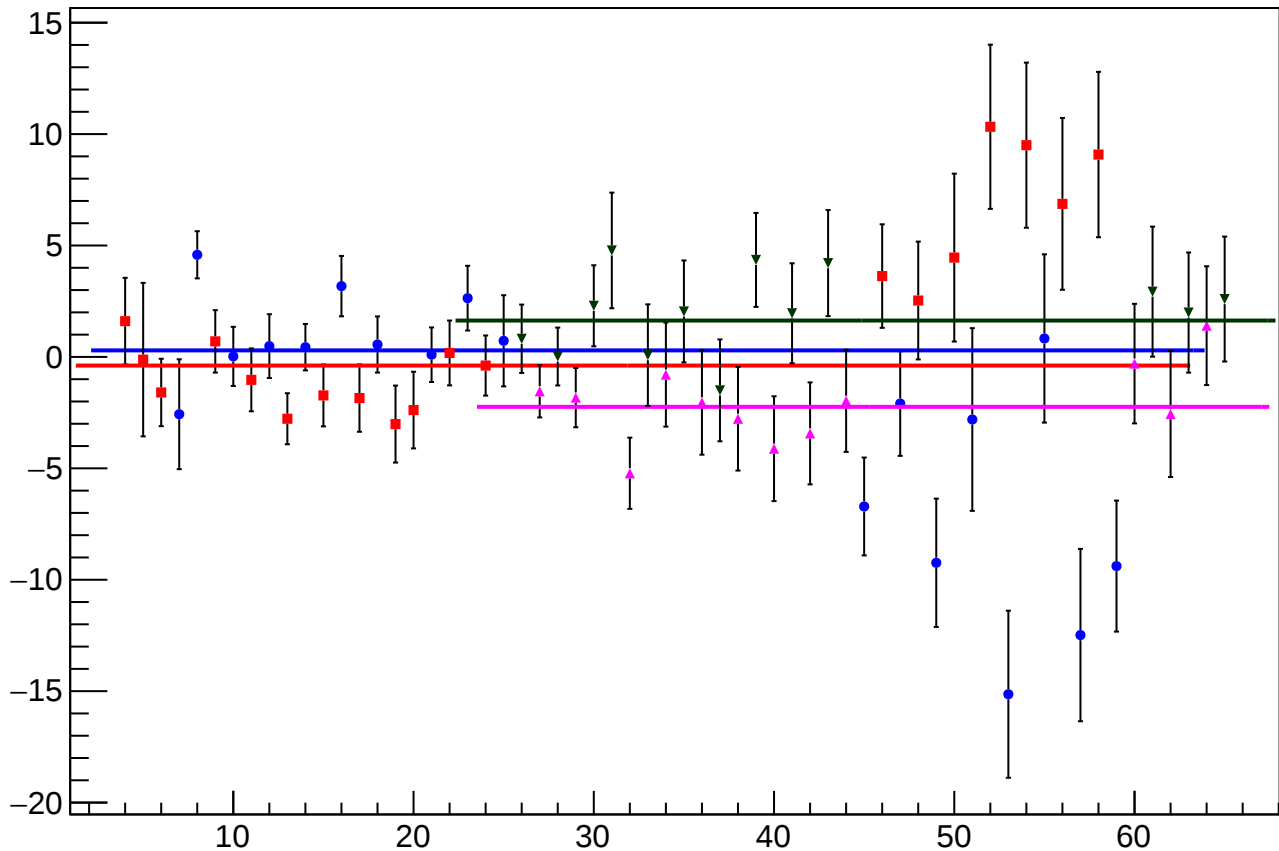
10590.644+/-1.836 χ^2/NDF : 2797613.7/30

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

10822.949+/-1.924 χ^2/NDF : 2676774.8/30

Left In: 11316.118+/-3.036 χ^2/NDF : 493812.2/11

diff_bpm0l10Y_mean vs slug



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

Left Out: 1.633 ± 0.575 χ^2/NDF : 9.0/12

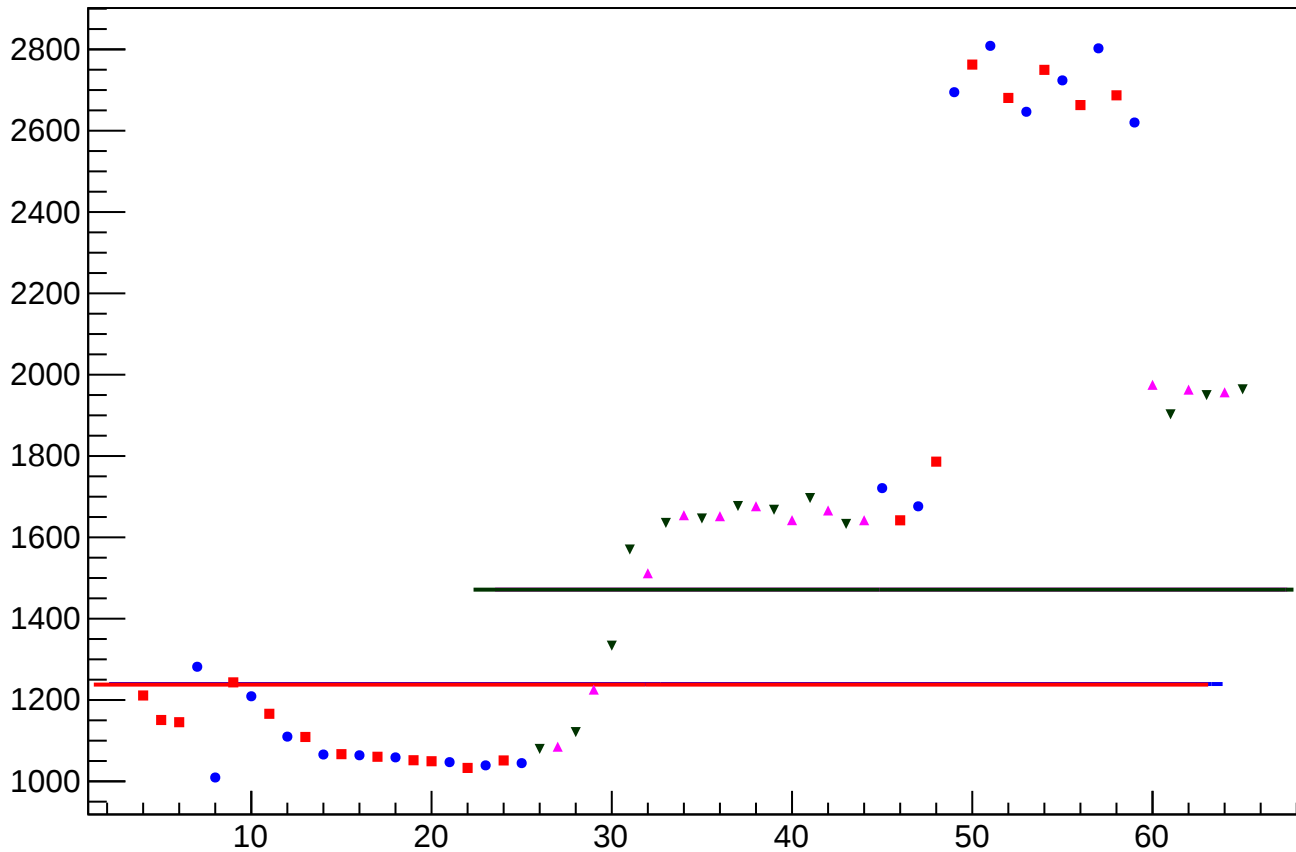
Right Out: -0.388 ± 0.412 χ^2/NDF : 44.0/18

Left In: -2.239 ± 0.559 χ^2/NDF : 7.7/11

0.720 ± 0.324 χ^2/NDF : 99.3/30

-1.039 ± 0.332 χ^2/NDF : 58.8/30

diff_bpm0l10Y_rms vs slug



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

Left Out: 1471.393+/-0.406 χ^2/NDF : 543754.5/12

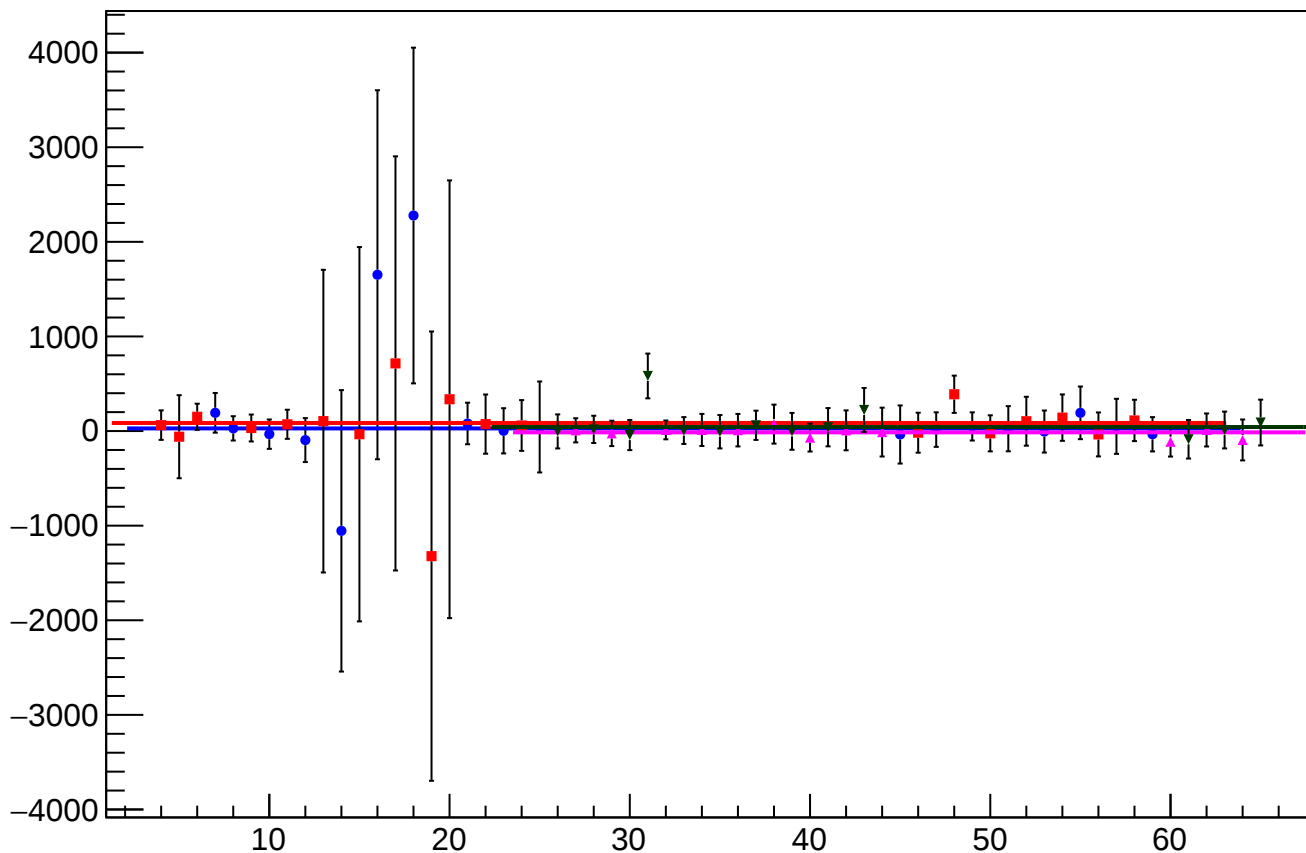
Right Out: 1237.907+/-0.291 χ^2/NDF : 1914347.8/18

Left In: 1471.476+/-0.395 χ^2/NDF : 560070.1/11

1313.171+/-0.229 χ^2/NDF : 3441624.0/30

1320.117+/-0.234 χ^2/NDF : 2700838.9/30

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs slug



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

Left Out: 42.478+/-50.188 χ^2/NDF : 6.9/12

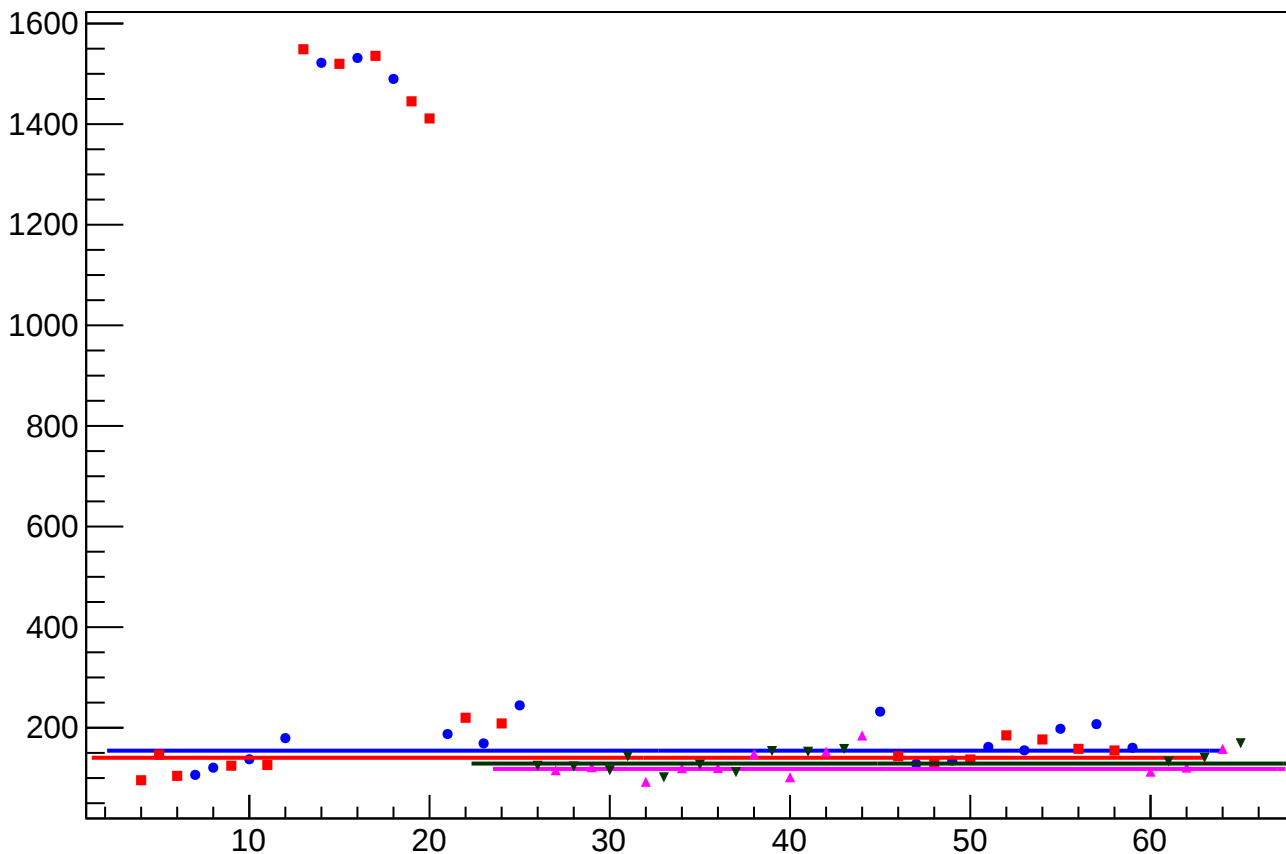
Right Out: 85.325+/-52.506 χ^2/NDF : 4.3/18

Left In: -13.656+/-45.204 χ^2/NDF : 1.0/11

35.477+/-36.211 χ^2/NDF : 11.4/30

28.479+/-34.257 χ^2/NDF : 7.3/30

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: 128.818+/-0.035 χ^2/NDF : 279350.8/12

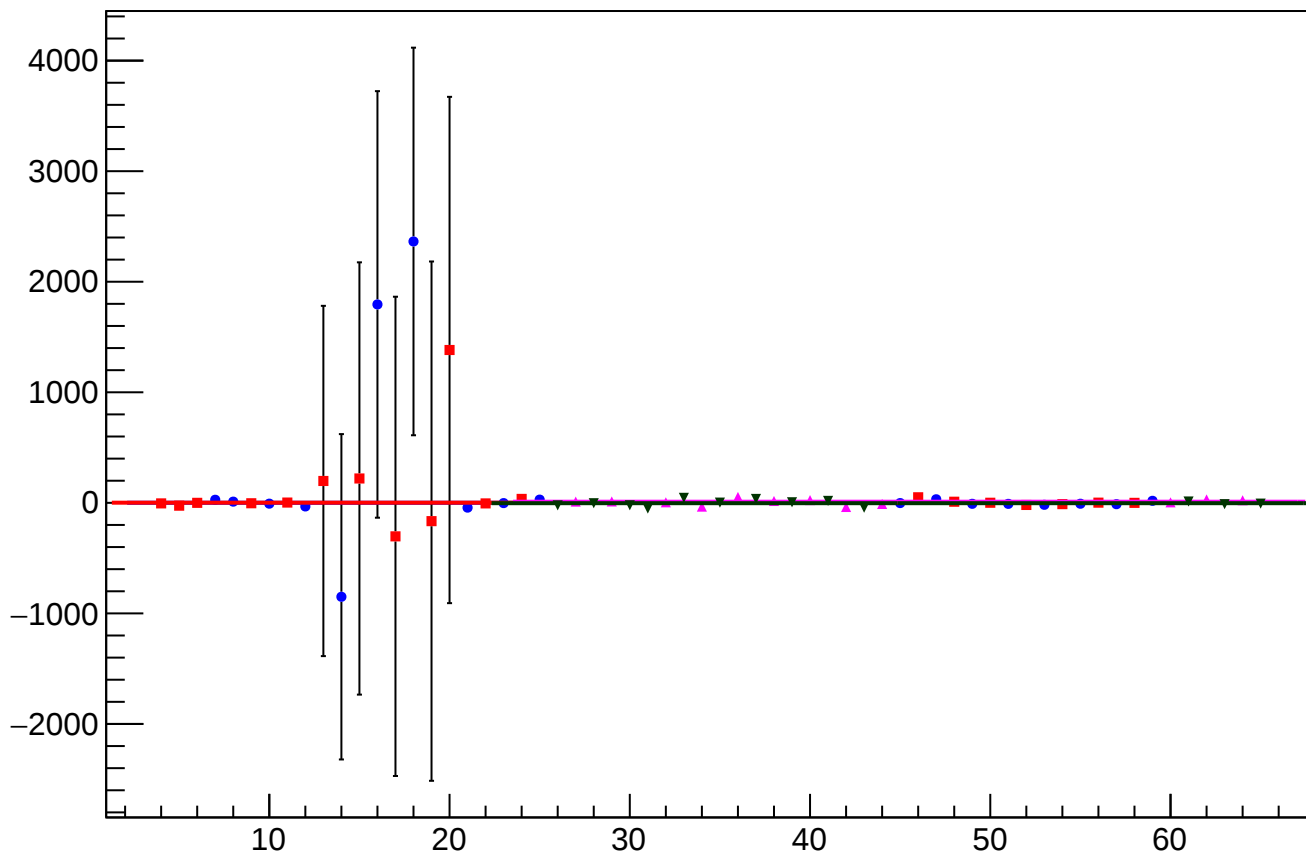
141.107+/-0.026 χ^2/NDF : 5086238.3/30

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

127.597+/-0.024 χ^2/NDF : 5937033.1/30

Left In: 118.147+/-0.032 χ^2/NDF : 457674.2/11

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: -3.138 ± 6.351 χ^2/NDF : 15.3/12

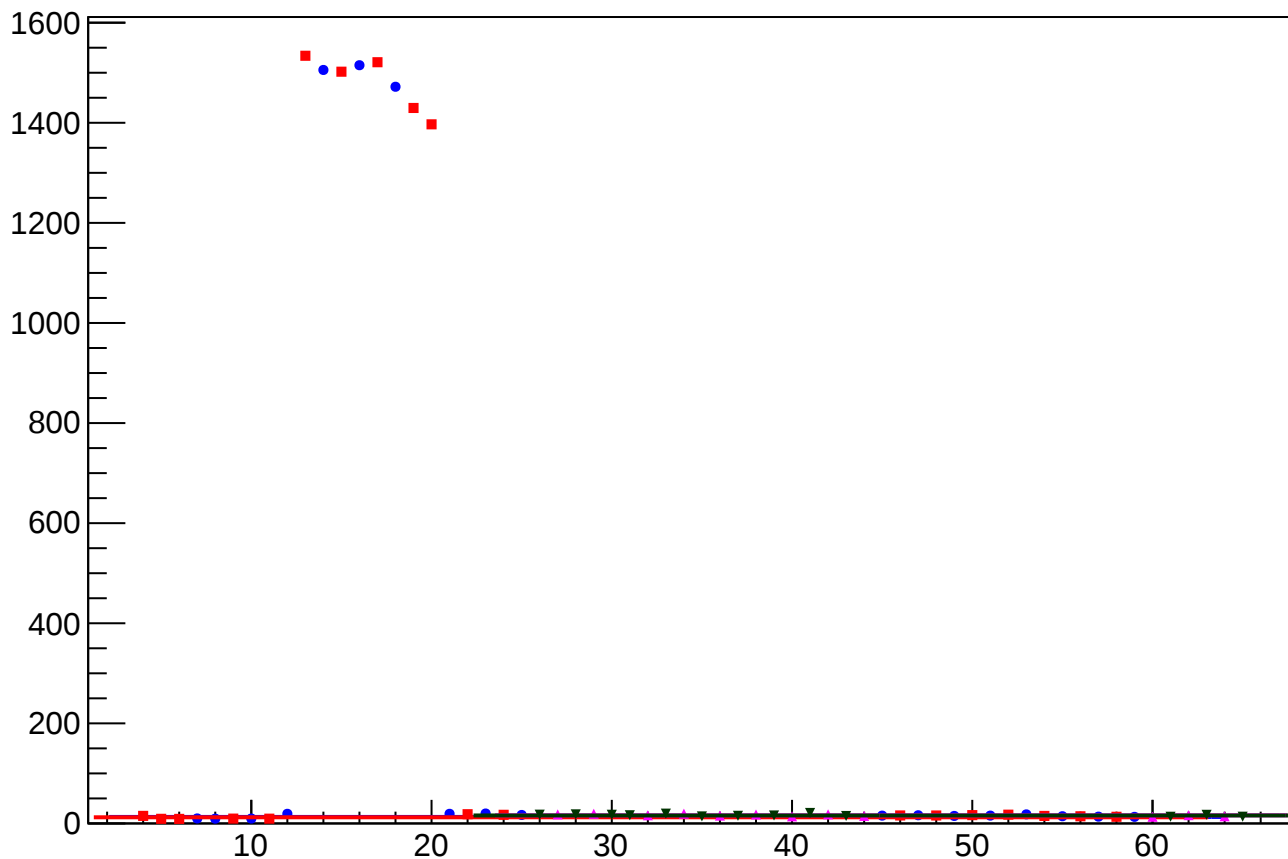
Right Out: 1.382 ± 4.789 χ^2/NDF : 9.5/18

Left In: 10.312 ± 6.301 χ^2/NDF : 11.8/11

-0.704 ± 3.733 χ^2/NDF : 32.1/30

4.651 ± 3.813 χ^2/NDF : 22.6/30

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: 15.975+/-0.004 χ^2 /NDF: 218908.2/12

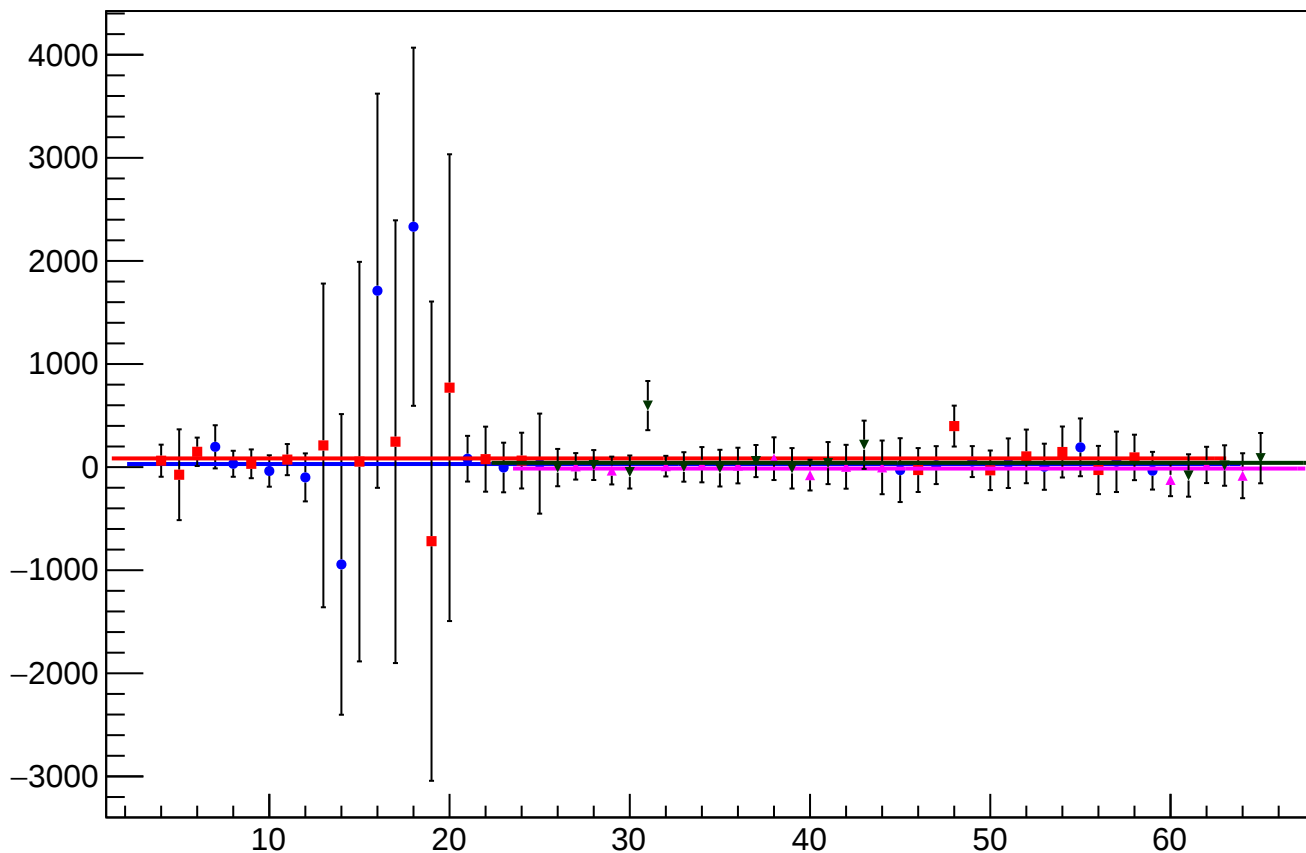
Right Out: 12.312+/-0.003 χ^2 /NDF: 6373010.7/18

Left In: 16.253+/-0.004 χ^2 /NDF: 195525.9/11

14.037+/-0.003 χ^2 /NDF: 6199368.4/30

13.755+/-0.003 χ^2 /NDF: 7064279.0/30

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: 41.468 ± 50.584 χ^2/NDF : 7.0/12

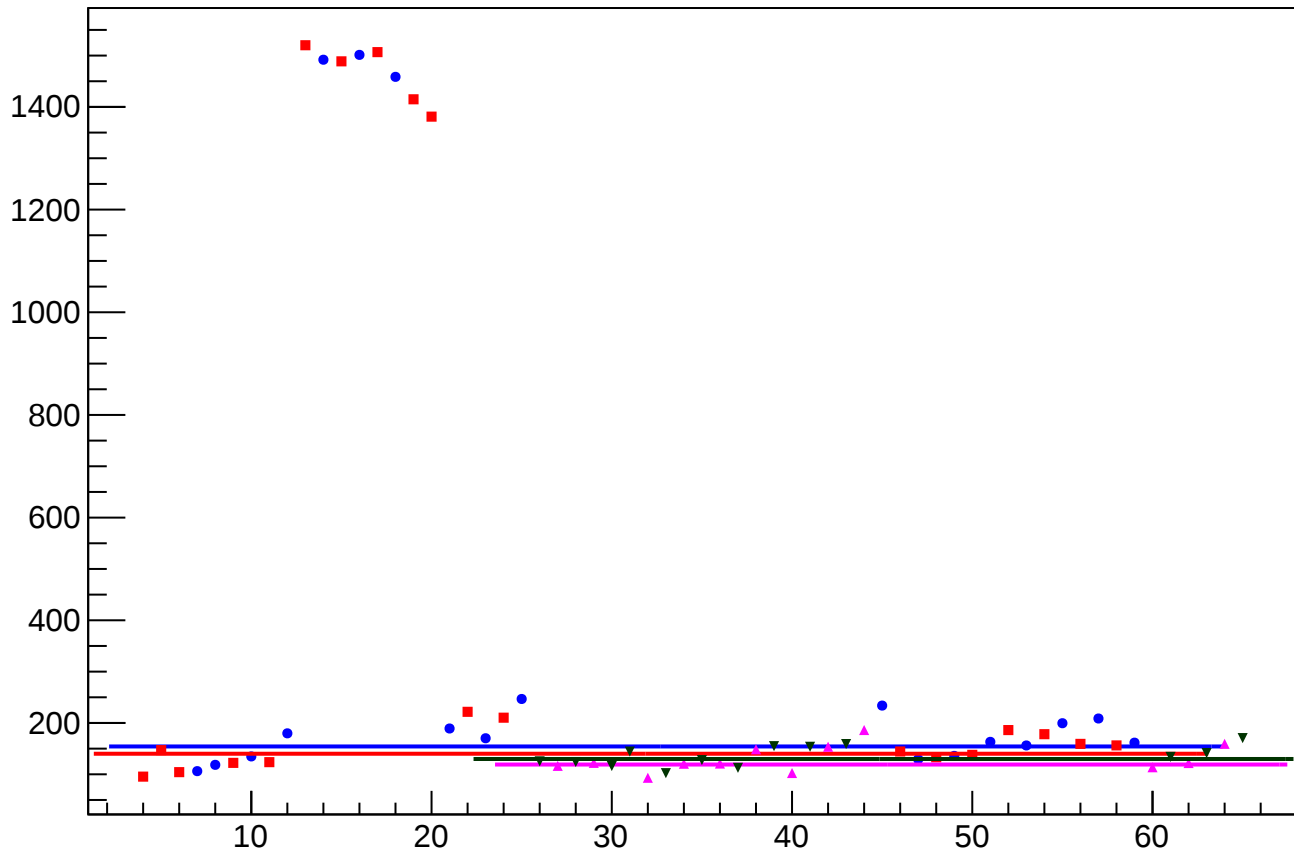
Right Out: 84.316 ± 52.424 χ^2/NDF : 4.2/18

Left In: -13.952 ± 45.544 χ^2/NDF : 1.2/11

35.927 ± 36.349 χ^2/NDF : 11.8/30

28.314 ± 34.381 χ^2/NDF : 7.4/30

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs slug



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

Left Out: 129.830 $\pm$ 0.036 χ^2 /NDF: 279805.6/12

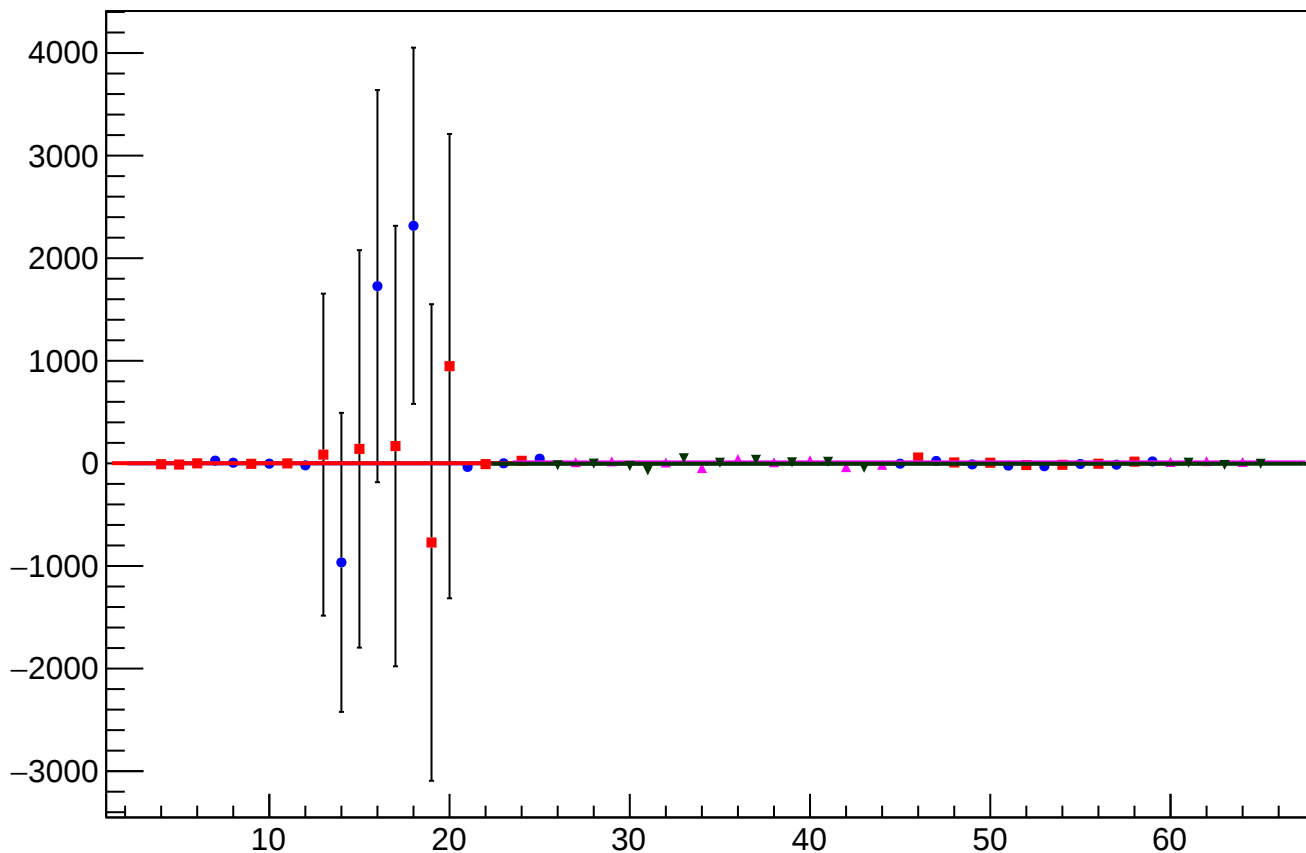
Right Out: 140.050 $\pm$ 0.037 χ^2 /NDF: 5289912.8/18

Left In: 119.024 $\pm$ 0.032 χ^2 /NDF: 458805.6/11

141.633 $\pm$ 0.026 χ^2 /NDF: 5089804.2/30

128.067 $\pm$ 0.024 χ^2 /NDF: 5932076.1/30

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs slug



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

Left Out: -3.184+/-6.195 χ^2/NDF : 18.6/12

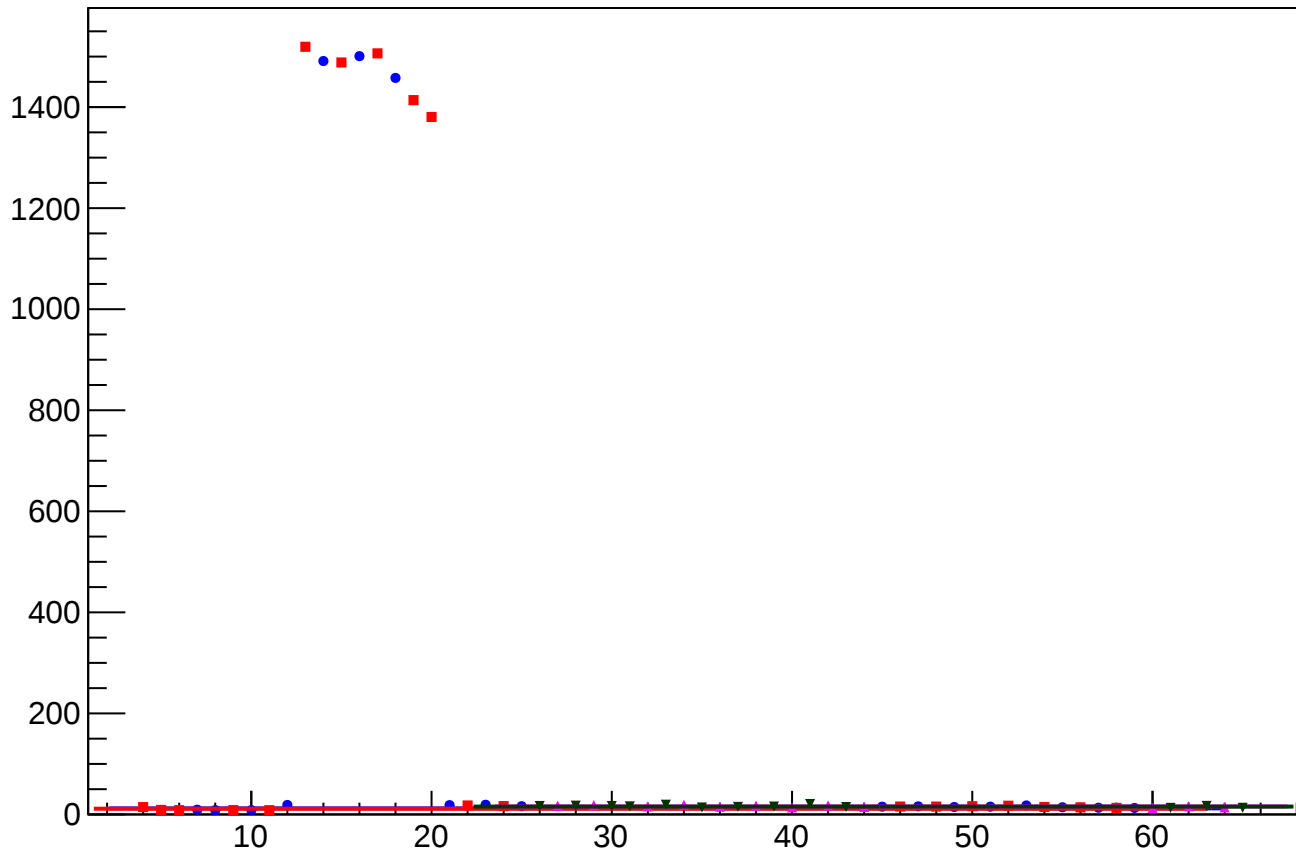
Right Out: 1.782+/-4.470 χ^2/NDF : 10.1/18

Left In: 9.925+/-6.149 χ^2/NDF : 11.8/11

-0.601+/-3.541 χ^2/NDF : 34.9/30

4.597+/-3.616 χ^2/NDF : 23.0/30

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs slug



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

Left Out: 15.563+/-0.004 χ^2/NDF : 211992.4/12

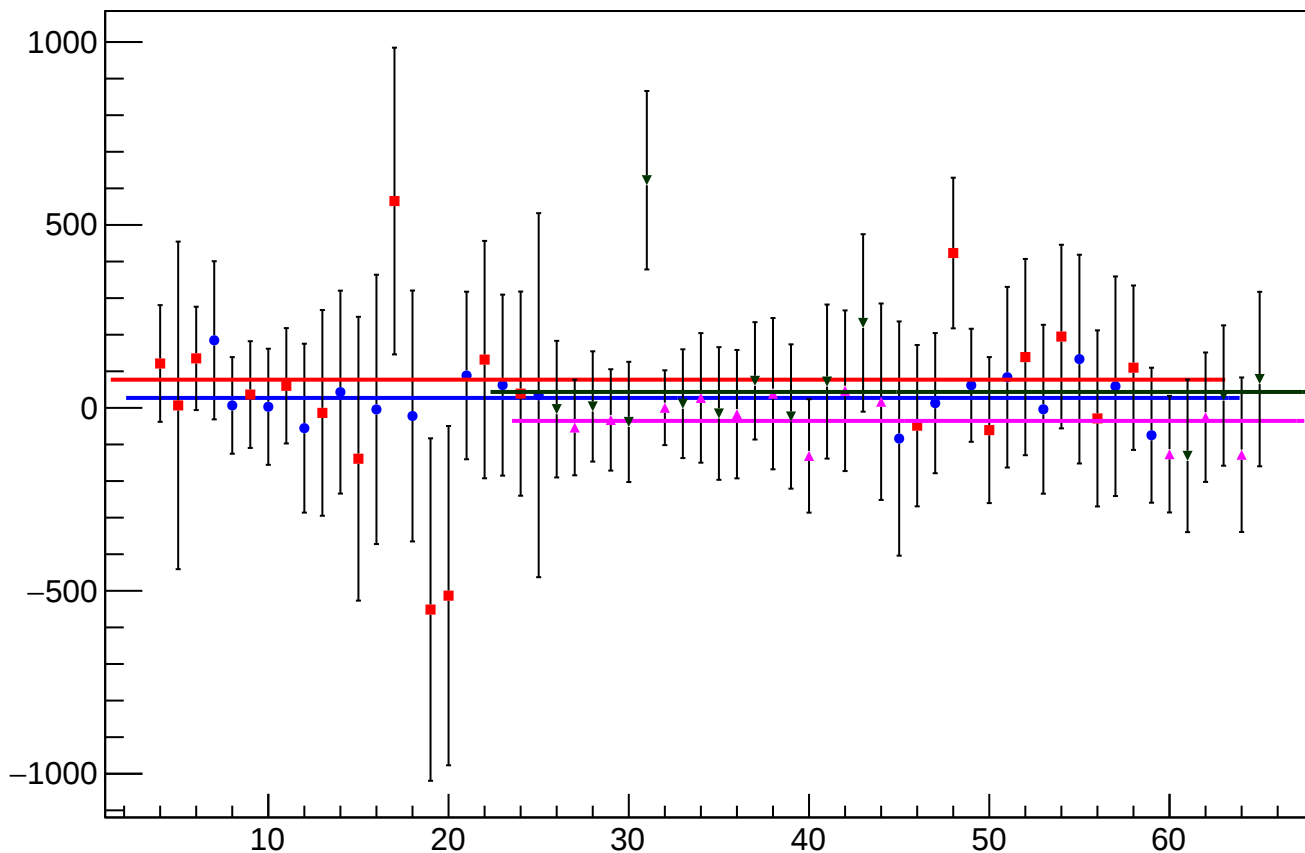
Right Out: 11.361+/-0.003 χ^2/NDF : 6645877.2/18

Left In: 15.835+/-0.004 χ^2/NDF : 183911.5/11

13.173+/-0.003 χ^2/NDF : 6715630.9/30

12.908+/-0.003 χ^2/NDF : 7522688.8/30

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs slug



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

Left Out: 43.542+/-51.702 χ^2/NDF : 7.7/12

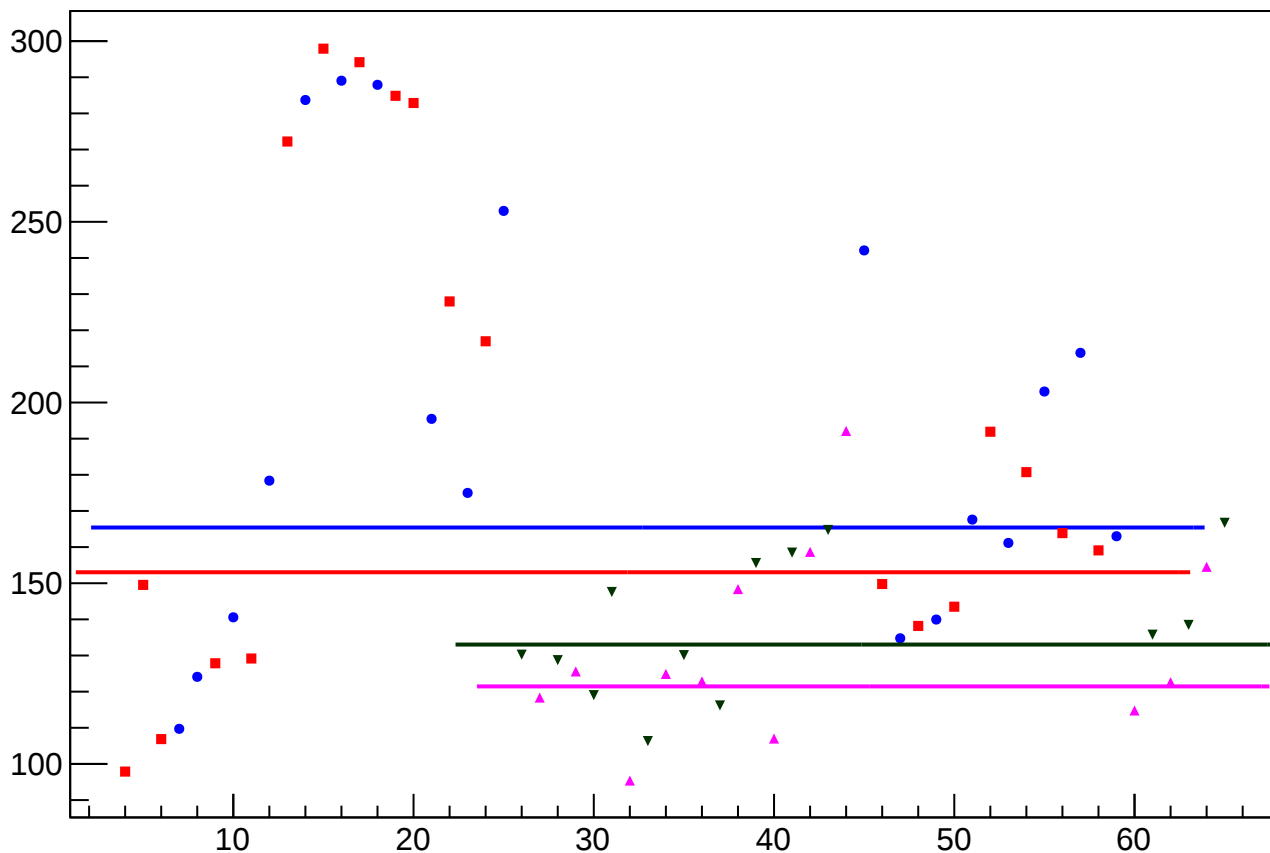
Right Out: 77.113+/-51.687 χ^2/NDF : 9.7/18

Left In: -35.565+/-46.419 χ^2/NDF : 1.5/11

35.401+/-36.599 χ^2/NDF : 9.2/30

14.742+/-34.536 χ^2/NDF : 13.8/30

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs slug



Right In: 165.419 $\pm$ 0.037 χ^2/NDF : 1636400.3/17

Left Out: 133.033 $\pm$ 0.037 χ^2/NDF : 242202.9/12

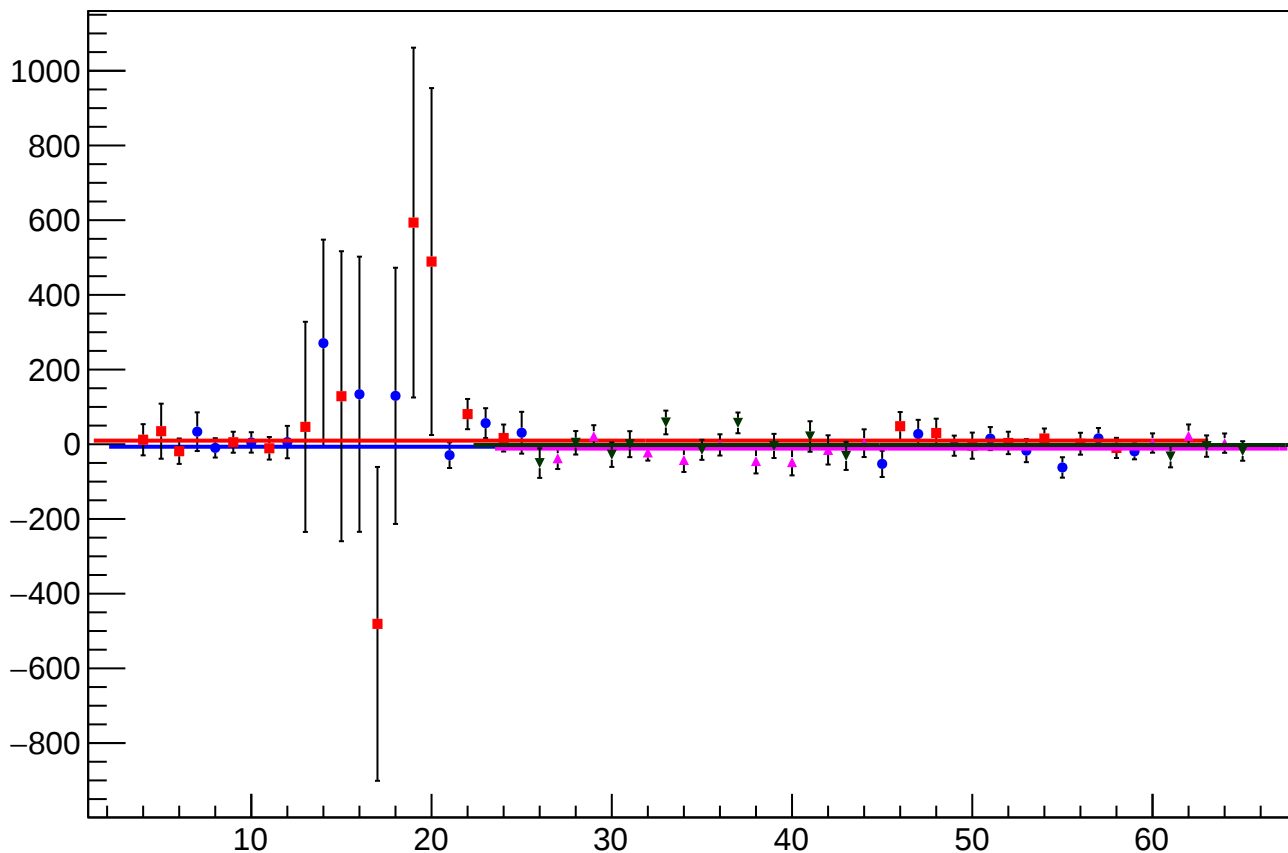
Right Out: 153.039 $\pm$ 0.037 χ^2/NDF : 2037868.3/18

Left In: 121.450 $\pm$ 0.033 χ^2/NDF : 433723.7/11

149.190 $\pm$ 0.026 χ^2/NDF : 2270125.5/30

135.553 $\pm$ 0.024 χ^2/NDF : 2885113.1/30

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: -2.001+/-8.701 χ^2/NDF : 13.0/12

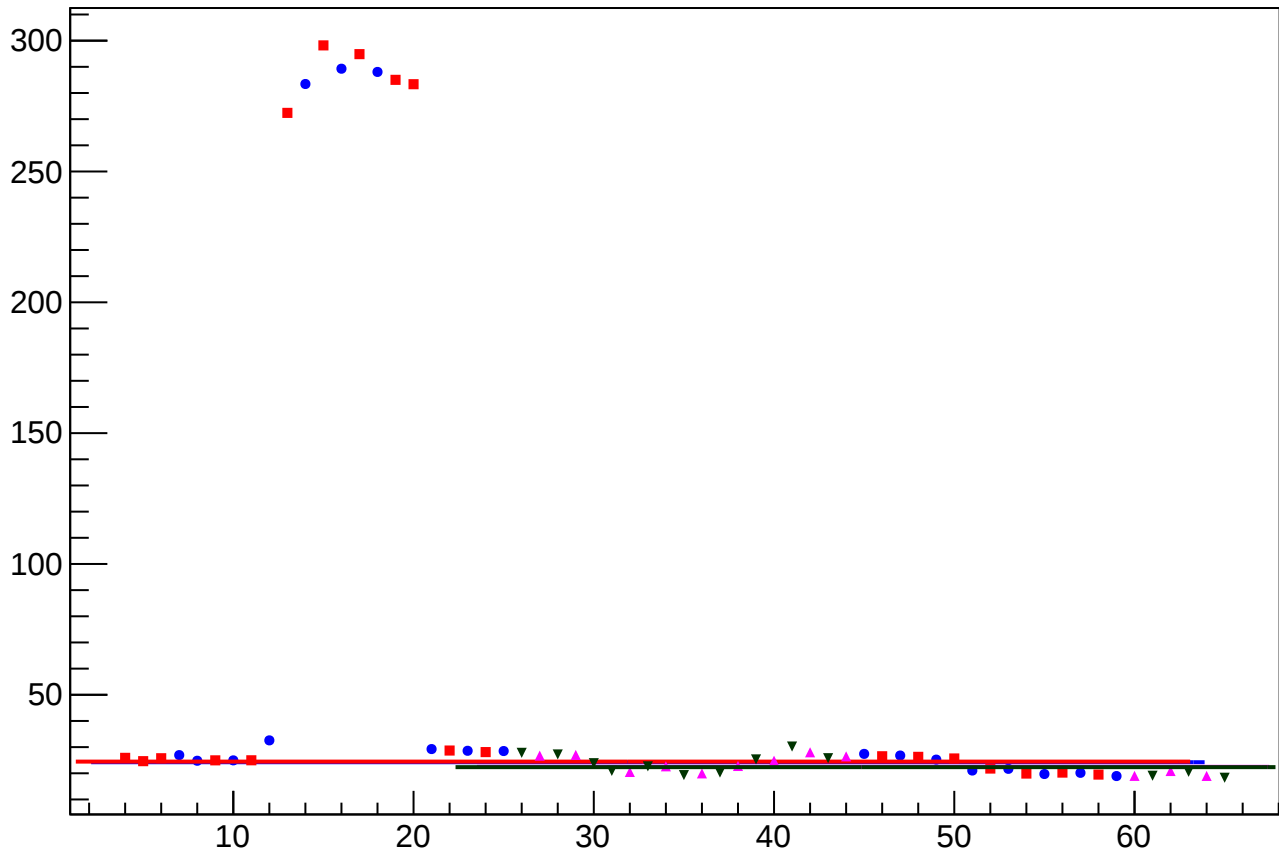
Right Out: 9.755+/-8.898 χ^2/NDF : 10.7/18

Left In: -11.596+/-8.513 χ^2/NDF : 7.4/11

-4.458+/-5.915 χ^2/NDF : 26.9/30

-1.392+/-6.151 χ^2/NDF : 21.1/30

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: 22.349+/-0.006 χ^2/NDF : 319313.4/12

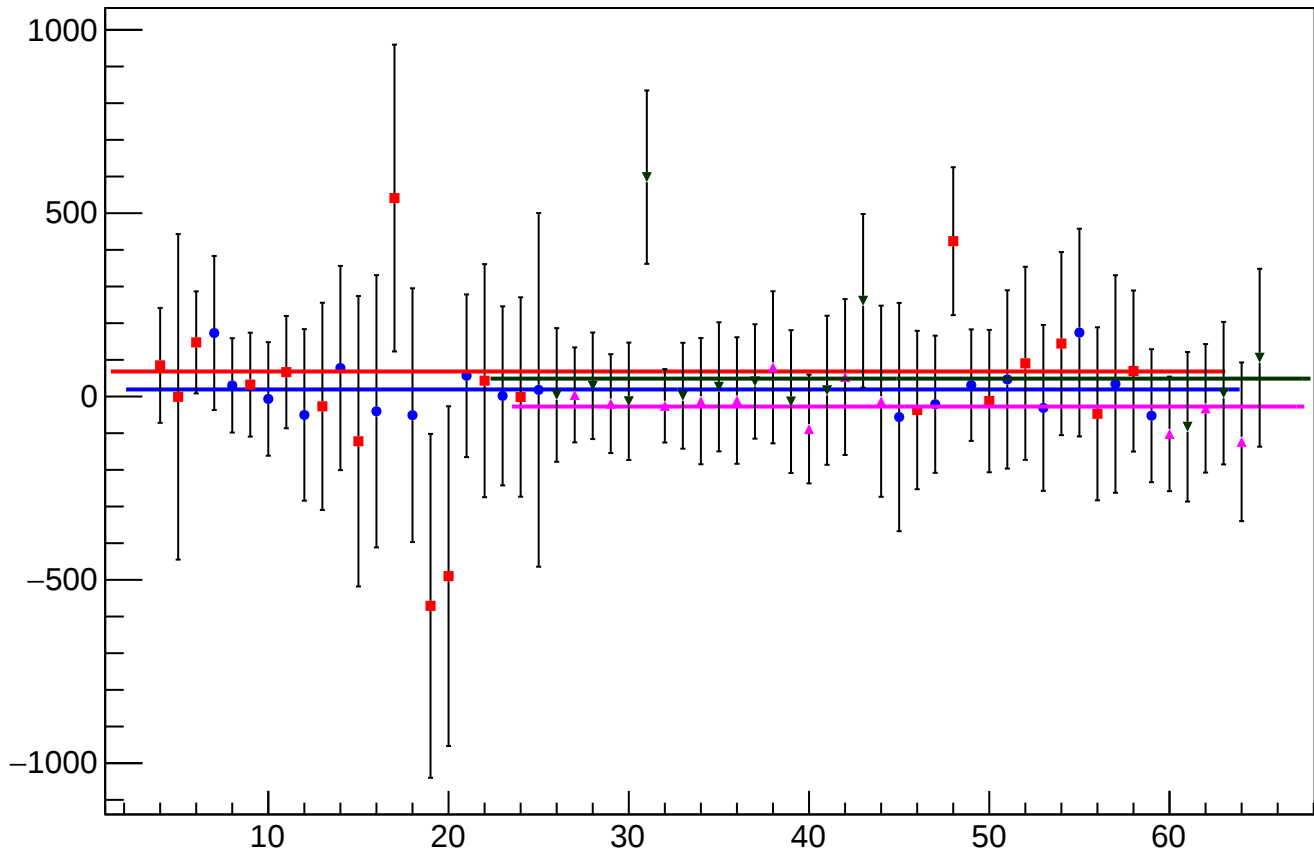
23.358+/-0.004 χ^2/NDF : 4782411.9/30

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

23.423+/-0.004 χ^2/NDF : 5185449.5/30

Left In: 22.468+/-0.006 χ^2/NDF : 272844.9/11

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: 48.817+/-50.538 χ^2/NDF : 7.2/12

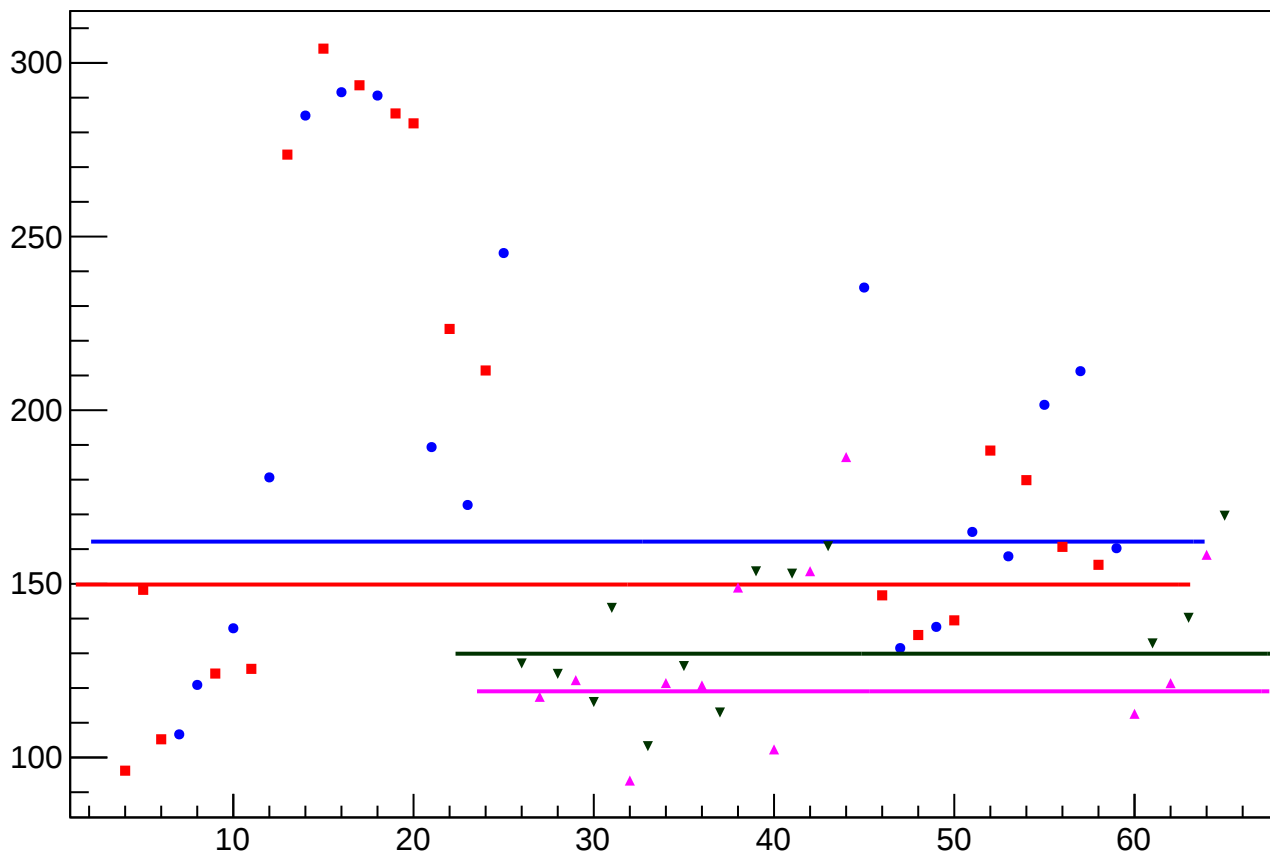
Right Out: 68.308+/-50.710 χ^2/NDF : 9.3/18

Left In: -27.335+/-45.535 χ^2/NDF : 1.1/11

34.150+/-35.867 χ^2/NDF : 8.8/30

15.358+/-33.880 χ^2/NDF : 12.3/30

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: 129.887 $\pm$ 0.036 χ^2 /NDF: 266646.4/12

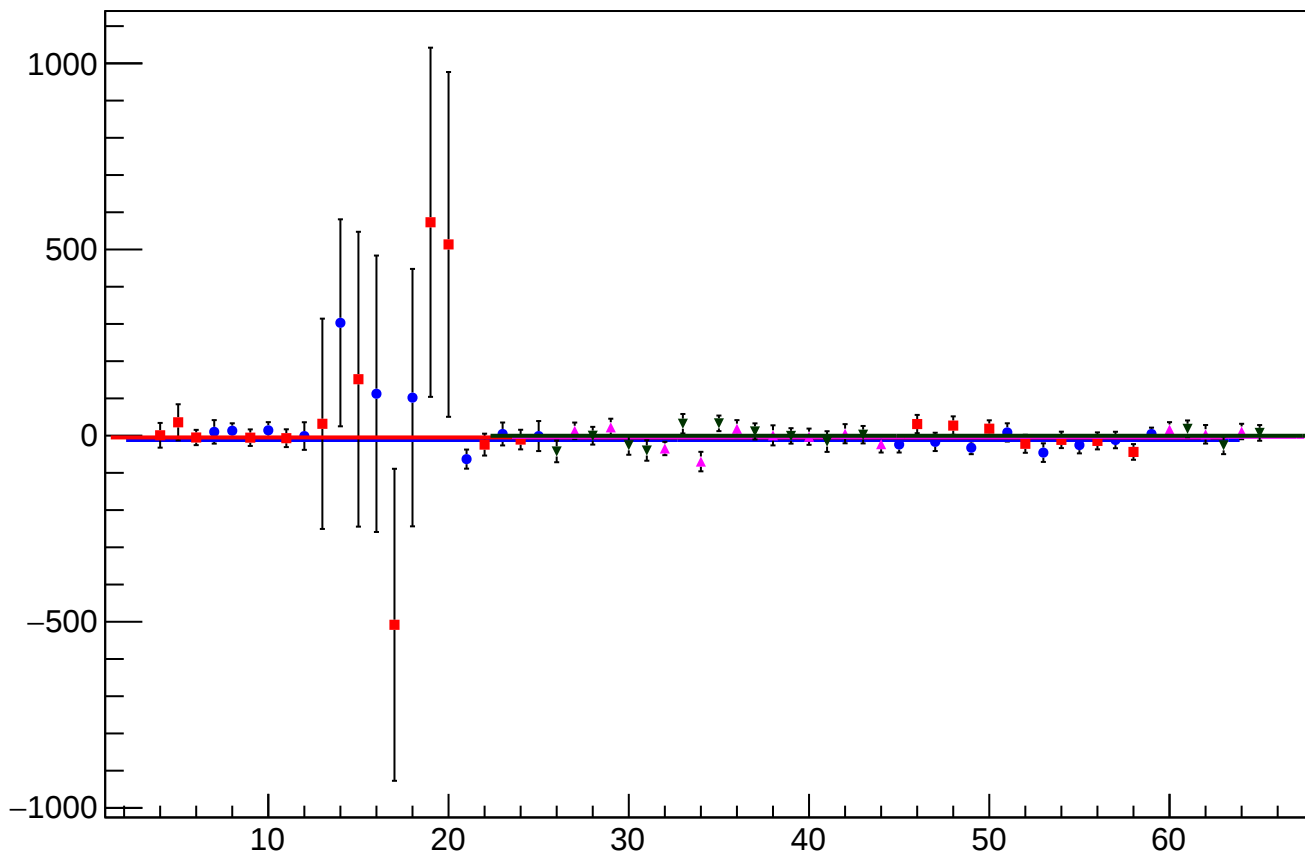
145.907 $\pm$ 0.025 χ^2 /NDF: 2392192.0/30

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

132.779 $\pm$ 0.024 χ^2 /NDF: 2979298.3/30

Left In: 119.053 $\pm$ 0.032 χ^2 /NDF: 457535.9/11

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: -0.358 $\pm$ 6.574 χ^2 /NDF:11.9/12

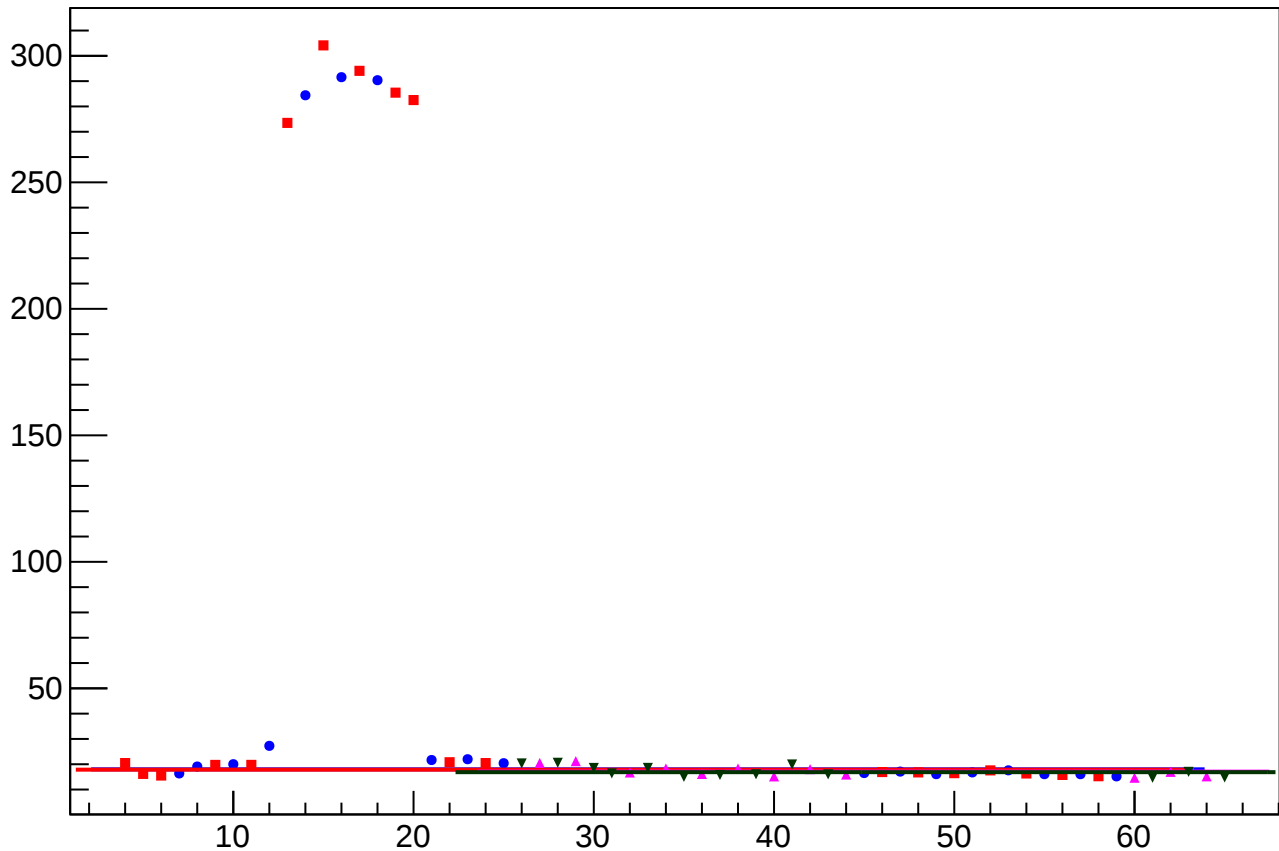
Right Out: -4.846 $\pm$ 6.550 χ^2 /NDF: 14.7/18

Left In: -3.232 $\pm$ 6.489 χ^2 /NDF:14.5/11

-6.520 $\pm$ 4.446 χ^2 /NDF: 28.5/30

-4.031 $\pm$ 4.610 χ^2 /NDF: 29.2/30

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs slug



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

Left Out: 16.865 $\pm$ 0.005 χ^2 /NDF:184382.1/12

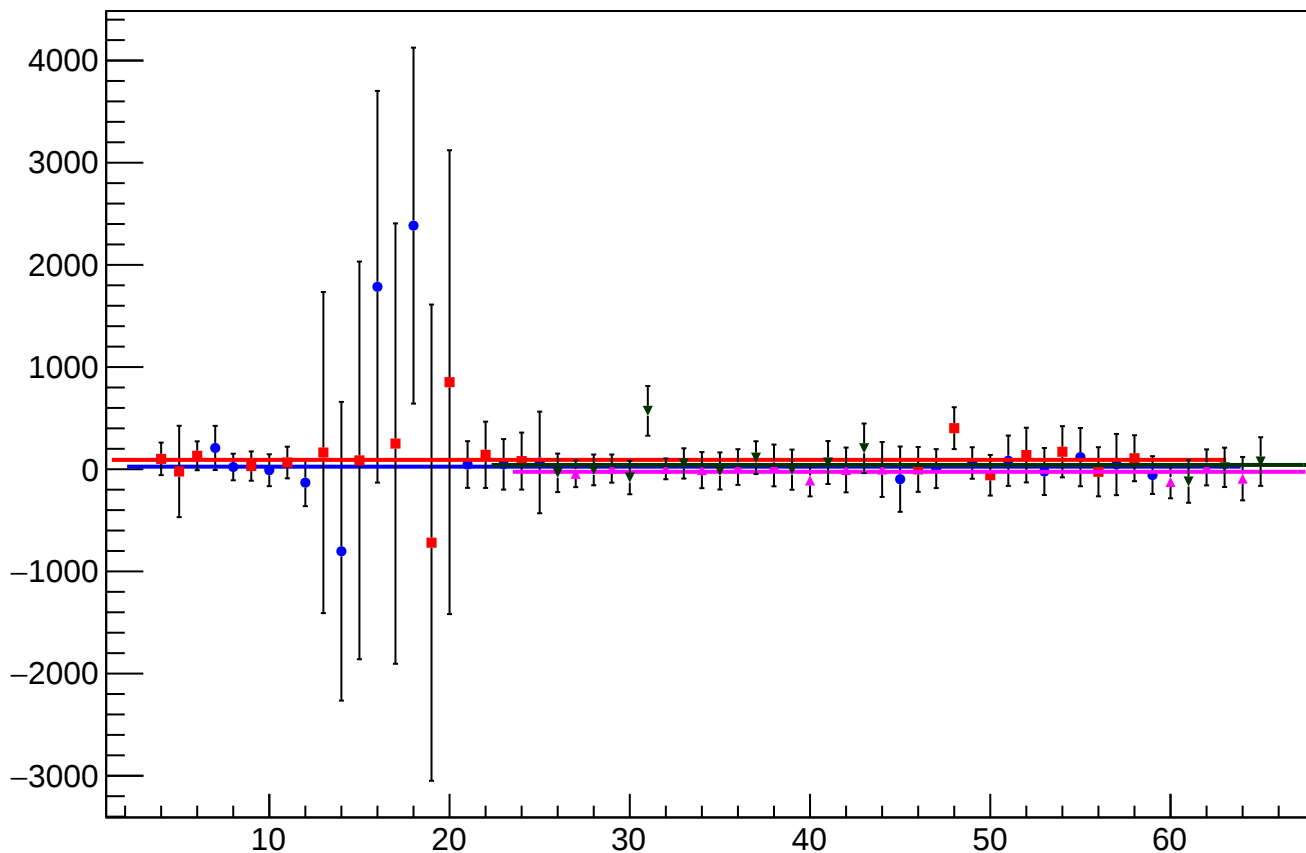
Right Out: 17.855 $\pm$ 0.005 χ^2 /NDF: 5034119.1/18

Left In: 17.085 $\pm$ 0.005 χ^2 /NDF:192353.3/11

17.474 $\pm$ 0.003 χ^2 /NDF: 4741263.8/30

17.466 $\pm$ 0.003 χ^2 /NDF: 5240411.6/30

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs slug



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

Left Out: 42.149 $\pm$ 51.661 χ^2 /NDF:7.1/12

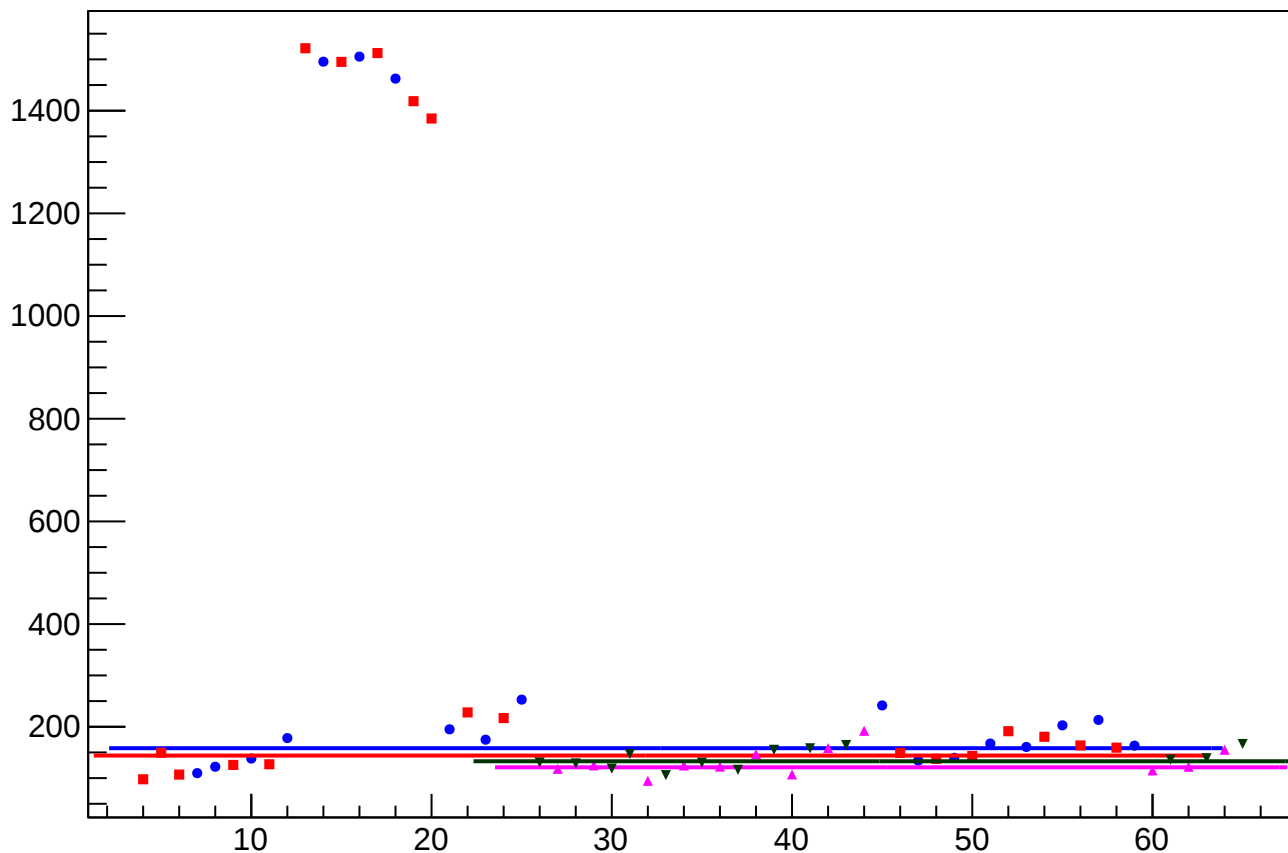
Right Out: 91.771 $\pm$ 53.823 χ^2 /NDF: 4.0/18

Left In: -25.163 $\pm$ 46.288 χ^2 /NDF:1.2/11

33.936 $\pm$ 37.176 χ^2 /NDF: 12.0/30

24.553 $\pm$ 35.095 χ^2 /NDF: 7.9/30

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: 132.829 $\pm$ 0.037 χ^2 /NDF: 243832.9/12

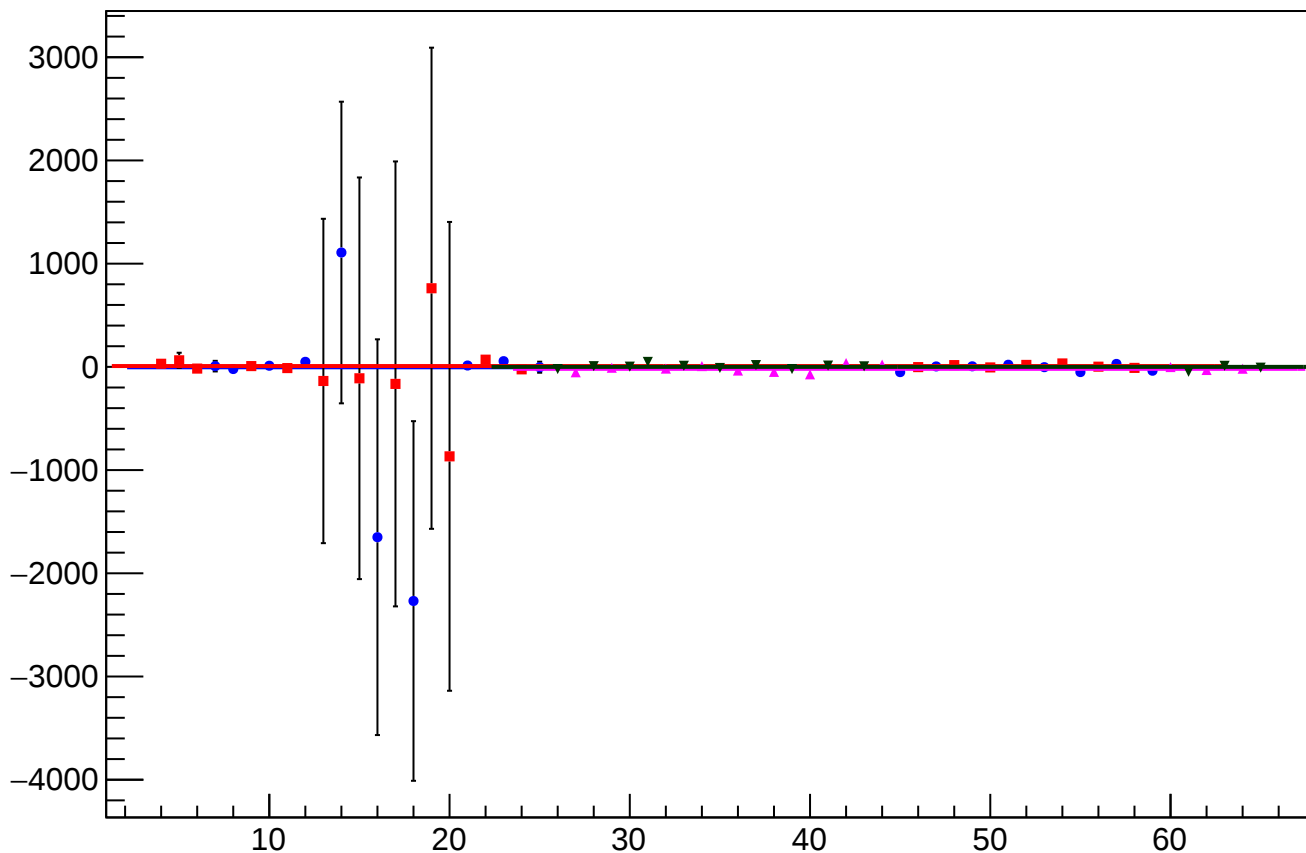
Right Out: 143.939 $\pm$ 0.038 χ^2 /NDF: 5267987.5/18

Left In: 121.072 $\pm$ 0.033 χ^2 /NDF: 437127.3/11

145.098 $\pm$ 0.026 χ^2 /NDF: 5016806.0/30

130.794 $\pm$ 0.025 χ^2 /NDF: 5912630.5/30

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: -0.001+/-8.302 χ^2/NDF : 6.8/12

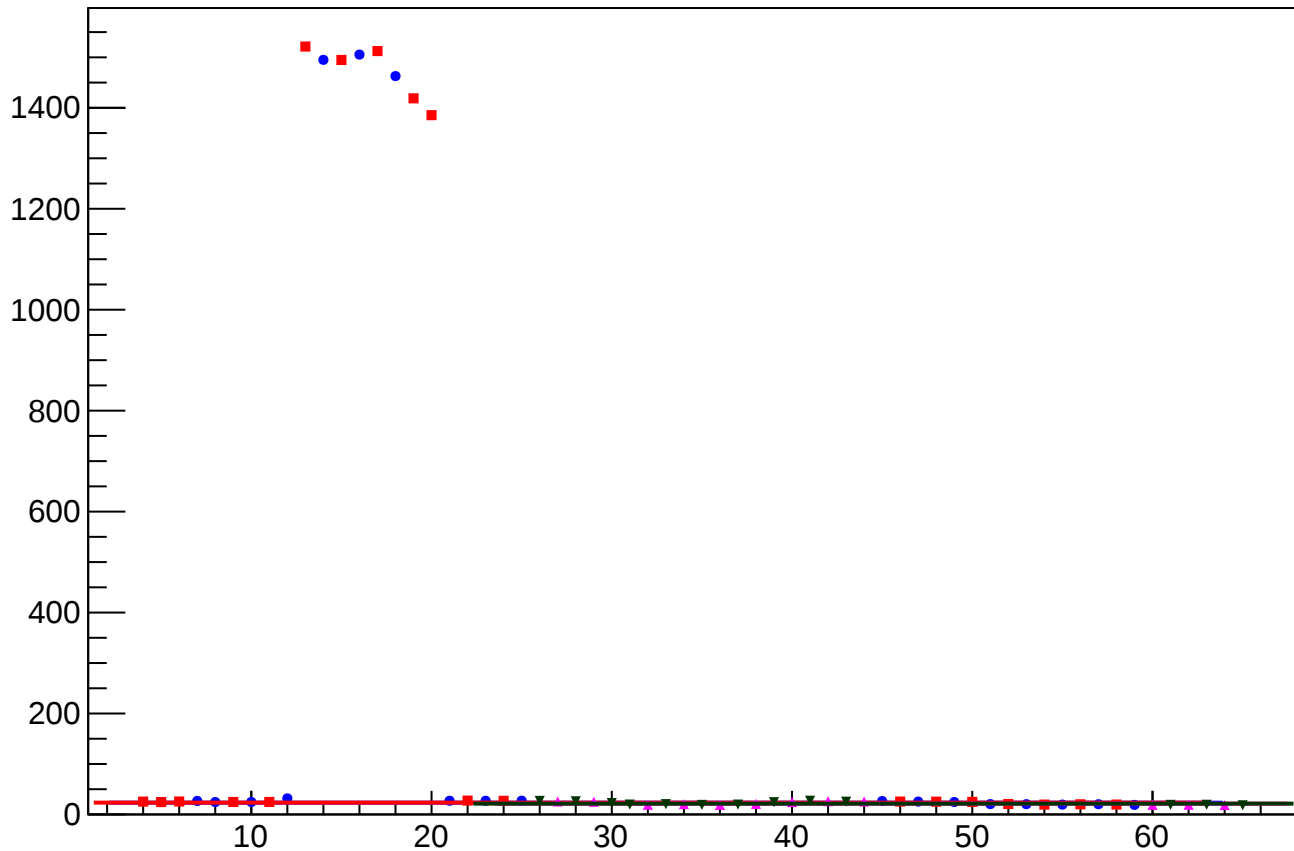
Right Out: 7.973+/-8.718 χ^2/NDF : 7.3/18

Left In: -19.208+/-8.045 χ^2/NDF : 10.4/11

-2.143+/-5.714 χ^2/NDF : 24.5/30

-6.707+/-5.912 χ^2/NDF : 23.0/30

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs slug



Right In: 23.336 $\pm$ 0.006 χ^2 /NDF: 4965228.2/17

Left Out: 21.421 $\pm$ 0.006 χ^2 /NDF: 276277.6/12

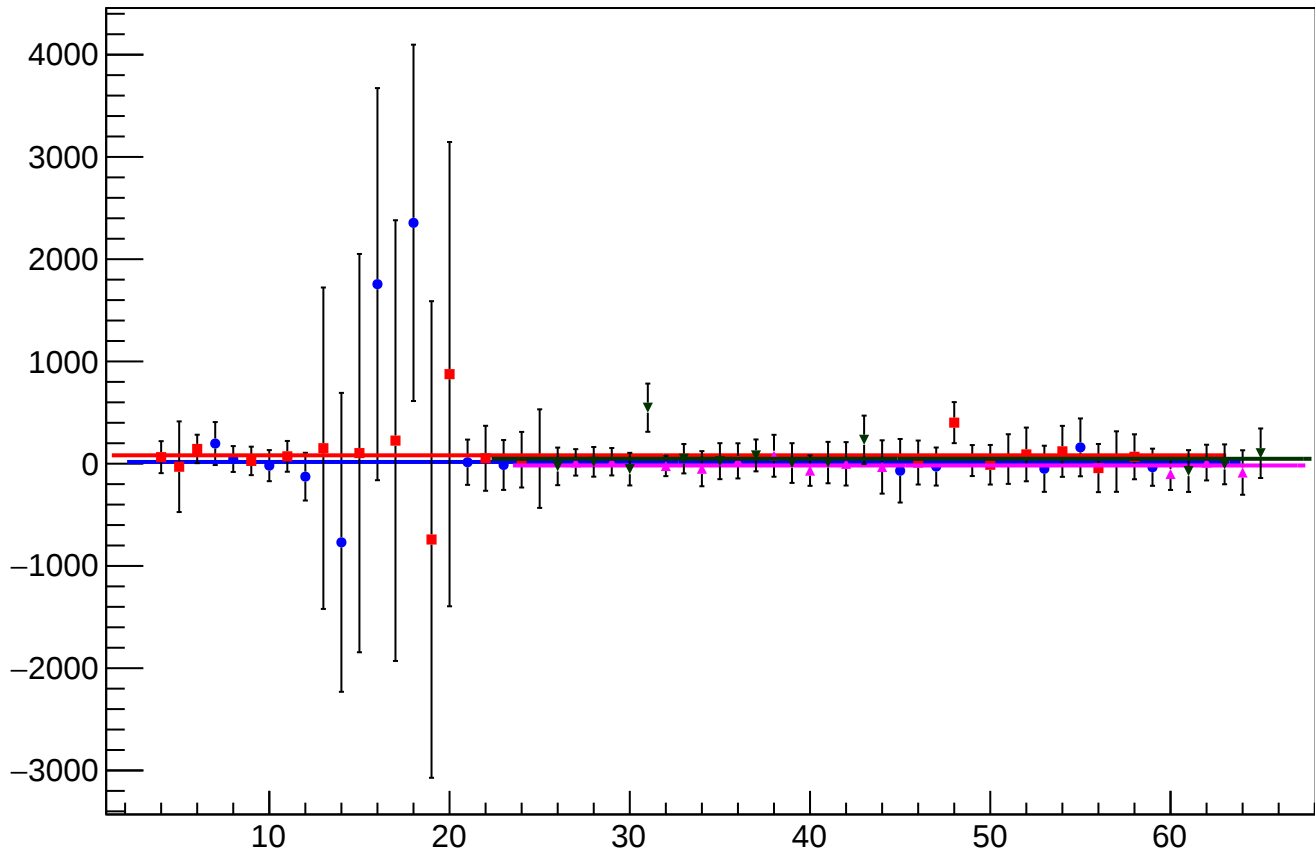
Right Out: 23.445 $\pm$ 0.006 χ^2 /NDF: 5561556.7/18

Left In: 21.352 $\pm$ 0.006 χ^2 /NDF: 264977.8/11

22.429 $\pm$ 0.004 χ^2 /NDF: 5297538.6/30

22.314 $\pm$ 0.004 χ^2 /NDF: 5888804.4/30

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: 47.909+/-50.490 χ^2/NDF : 6.3/12

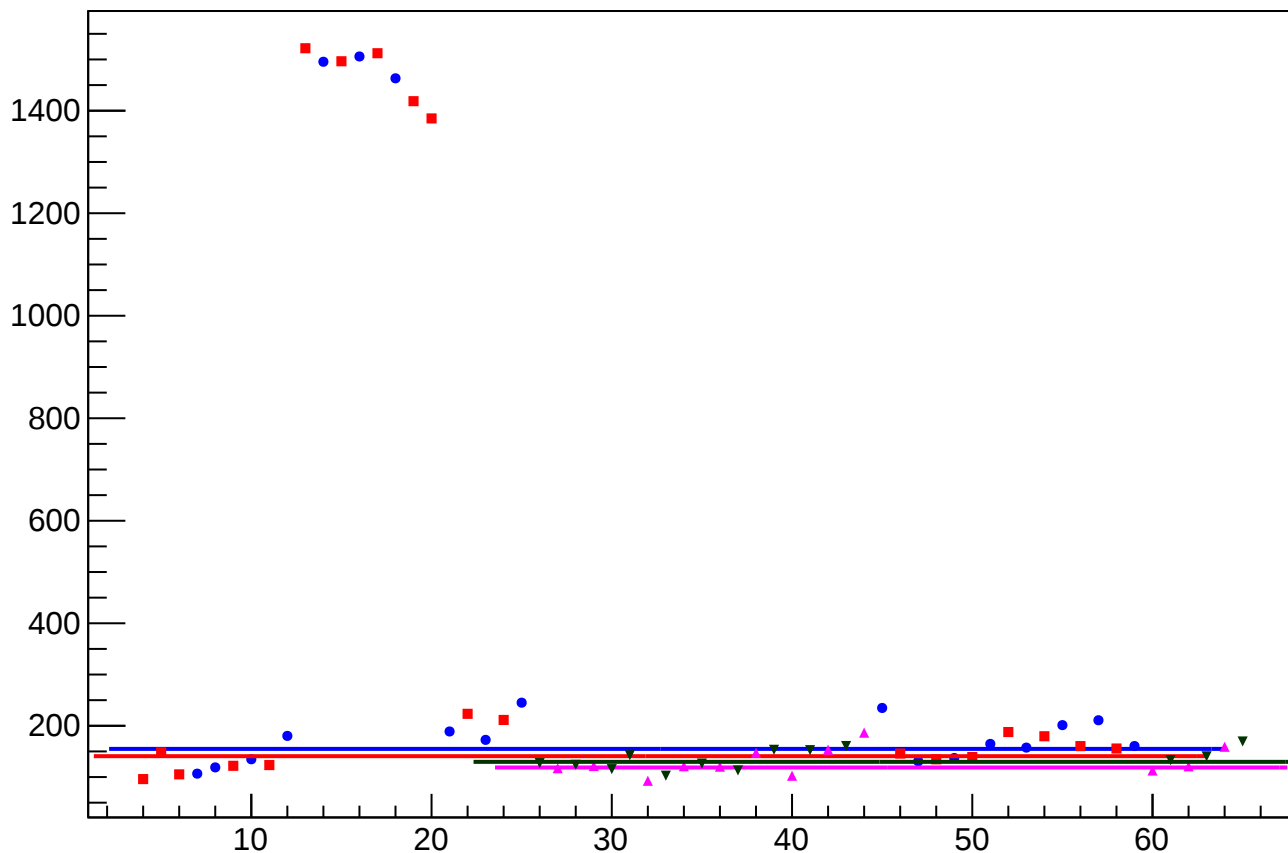
Right Out: 81.906+/-52.666 χ^2/NDF : 3.9/18

Left In: -17.375+/-45.401 χ^2/NDF : 1.0/11

33.023+/-36.388 χ^2/NDF : 11.2/30

24.951+/-34.387 χ^2/NDF : 6.9/30

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs slug



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

Left Out: 129.667+/-0.036 χ^2/NDF :268748.1/12

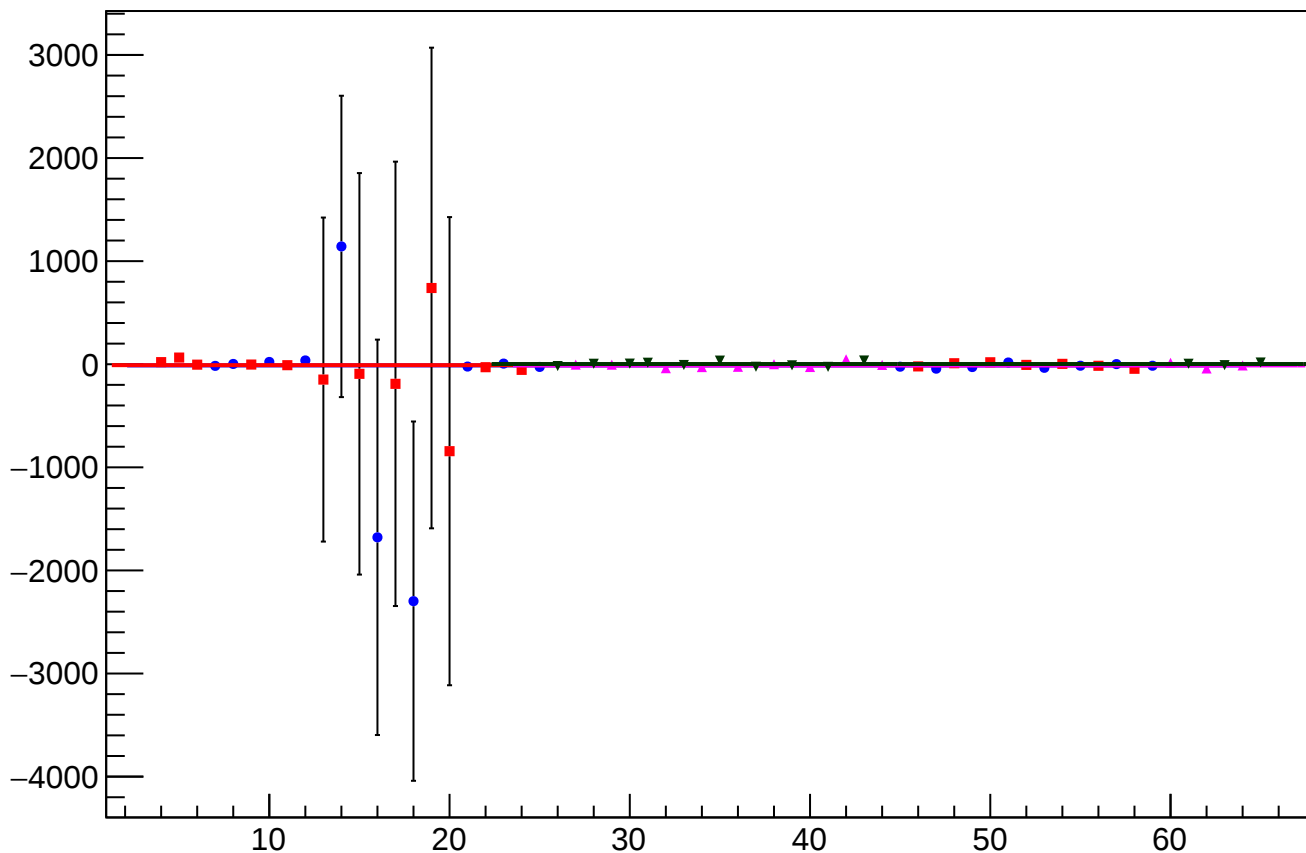
141.817+/-0.026 χ^2/NDF : 5090313.9/30

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

128.065+/-0.024 χ^2/NDF : 5954104.0/30

Left In: 118.669+/-0.032 χ^2/NDF :461159.4/11

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs slug



Right In: -11.332 ± 5.773 χ^2/NDF : 15.0/17

Left Out: 2.168 ± 6.141 χ^2/NDF : 10.2/12

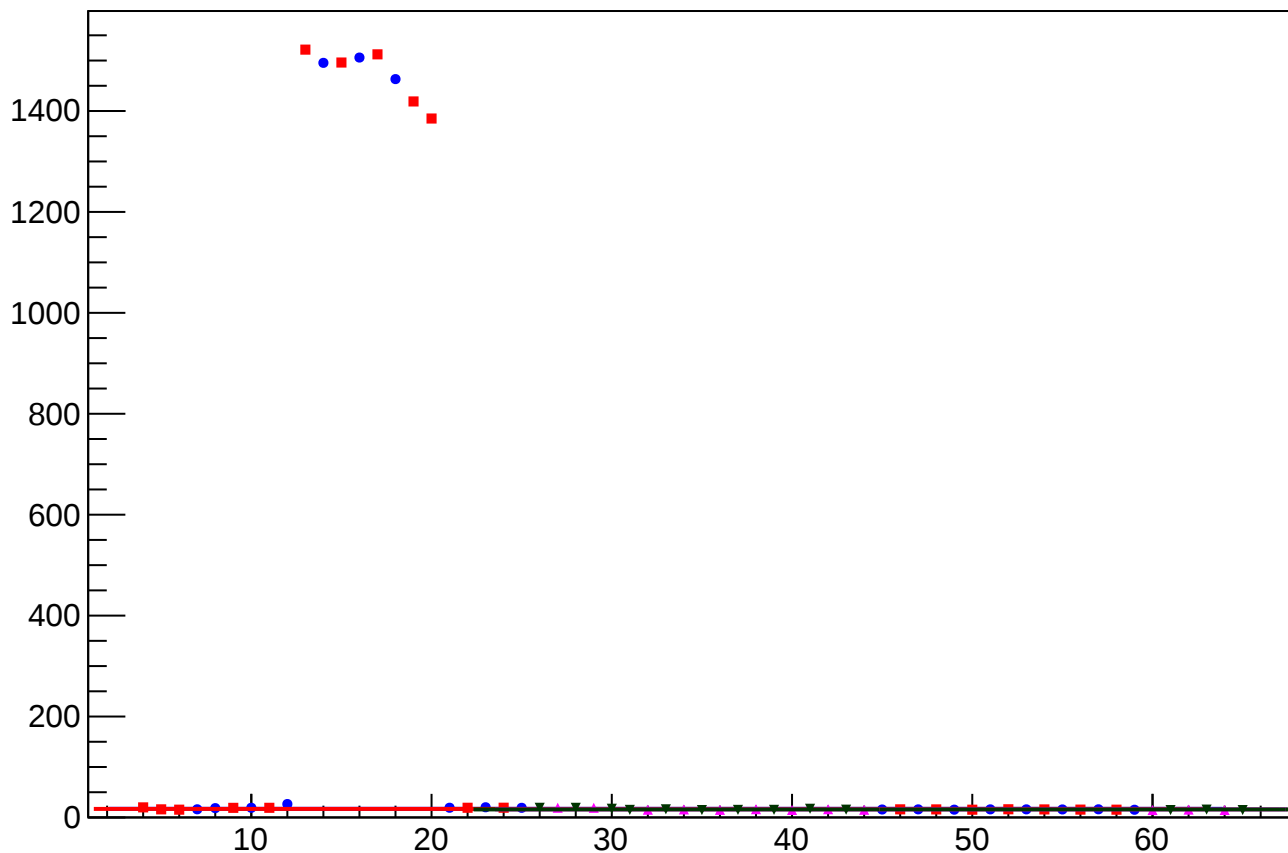
Right Out: -8.864 ± 6.293 χ^2/NDF : 13.3/18

Left In: -11.652 ± 6.018 χ^2/NDF : 14.8/11

-4.998 ± 4.206 χ^2/NDF : 27.8/30

-10.320 ± 4.349 χ^2/NDF : 28.3/30

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs slug



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

Left Out: 15.911+/-0.004 χ^2/NDF :115533.5/12

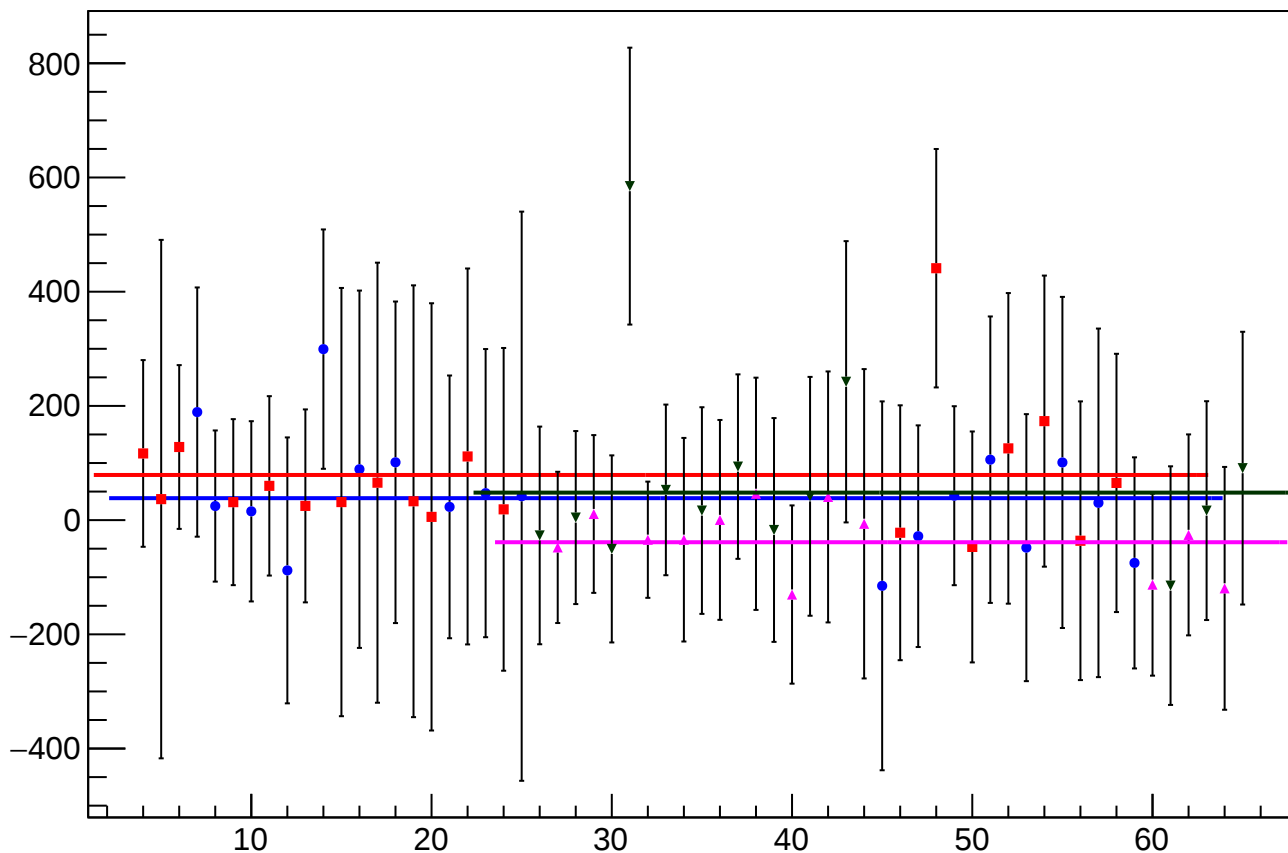
Right Out: 16.920+/-0.004 χ^2/NDF : 5539958.1/18

Left In: 16.033+/-0.004 χ^2/NDF :126423.4/11

16.539+/-0.003 χ^2/NDF : 5076948.9/30

16.456+/-0.003 χ^2/NDF : 5687133.0/30

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs slug



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

Left Out: 48.166 $\pm$ 51.837 χ^2 /NDF: 7.0/12

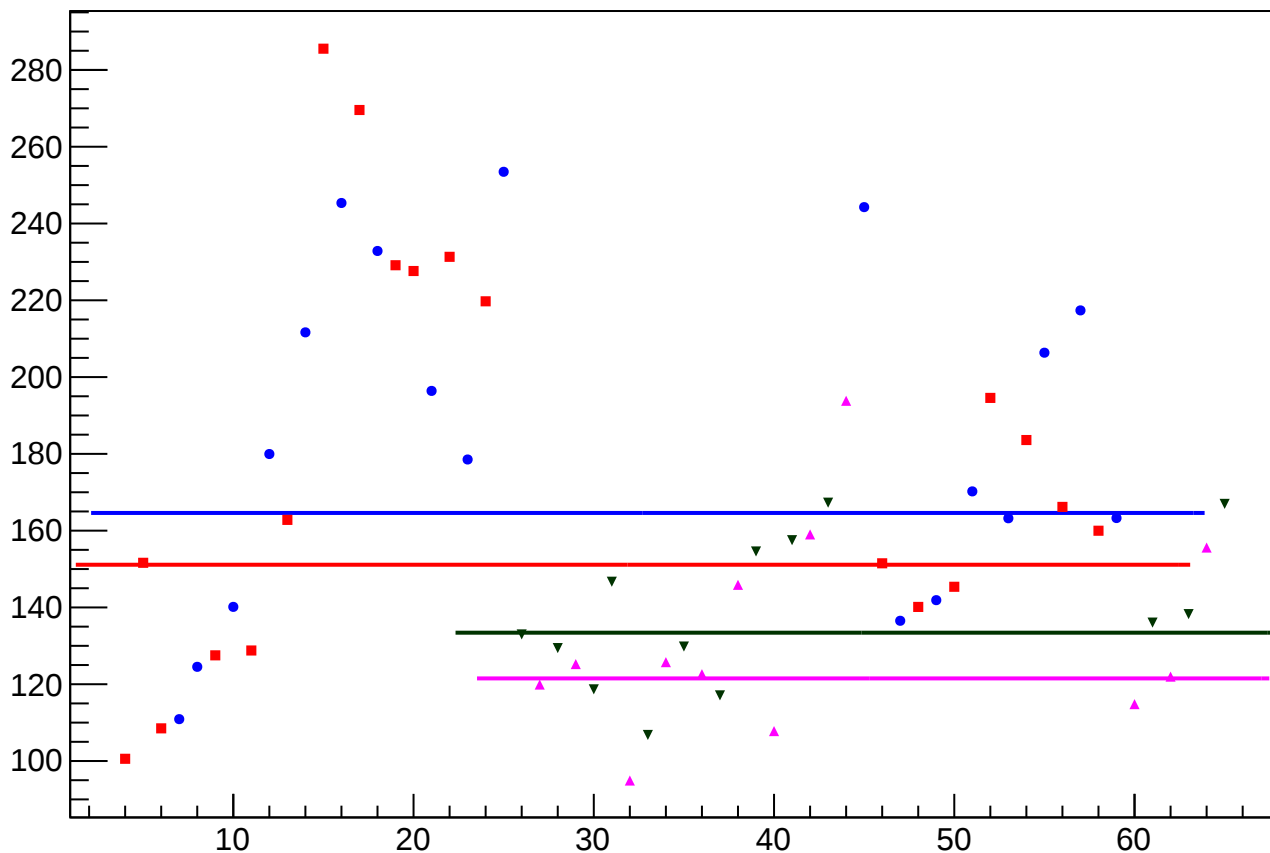
Right Out: 79.078 $\pm$ 50.233 χ^2 /NDF: 4.5/18

Left In: -38.713 $\pm$ 46.450 χ^2 /NDF: 1.2/11

43.233 $\pm$ 36.369 χ^2 /NDF: 10.4/30

15.580 $\pm$ 34.104 χ^2 /NDF: 8.7/30

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: 133.424+/-0.037 χ^2/NDF : 237163.0/12

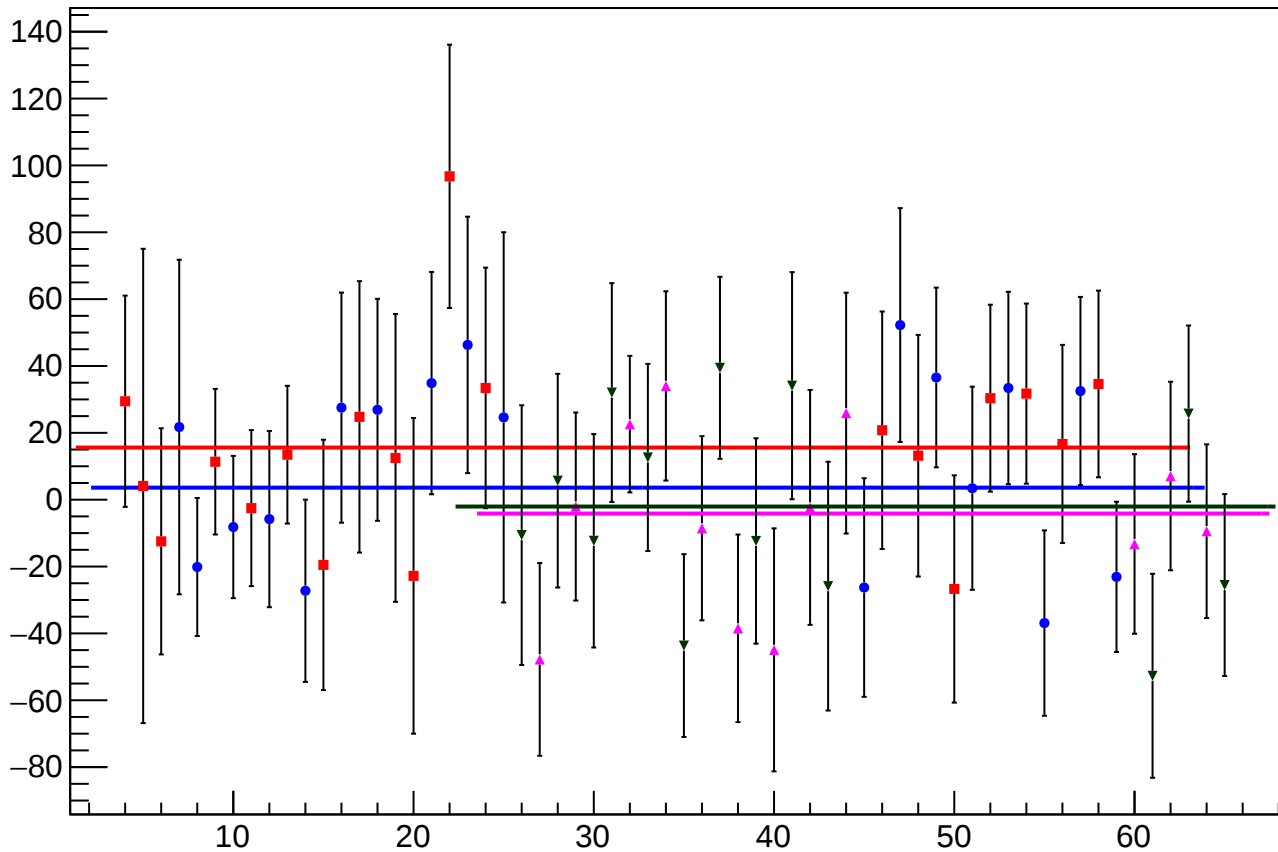
149.260+/-0.026 χ^2/NDF : 1733322.1/30

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

135.162+/-0.024 χ^2/NDF : 2237607.1/30

Left In: 121.514+/-0.033 χ^2/NDF : 439594.4/11

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs slug



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

Left Out: -2.050+/-8.442 χ^2/NDF : 12.5/12

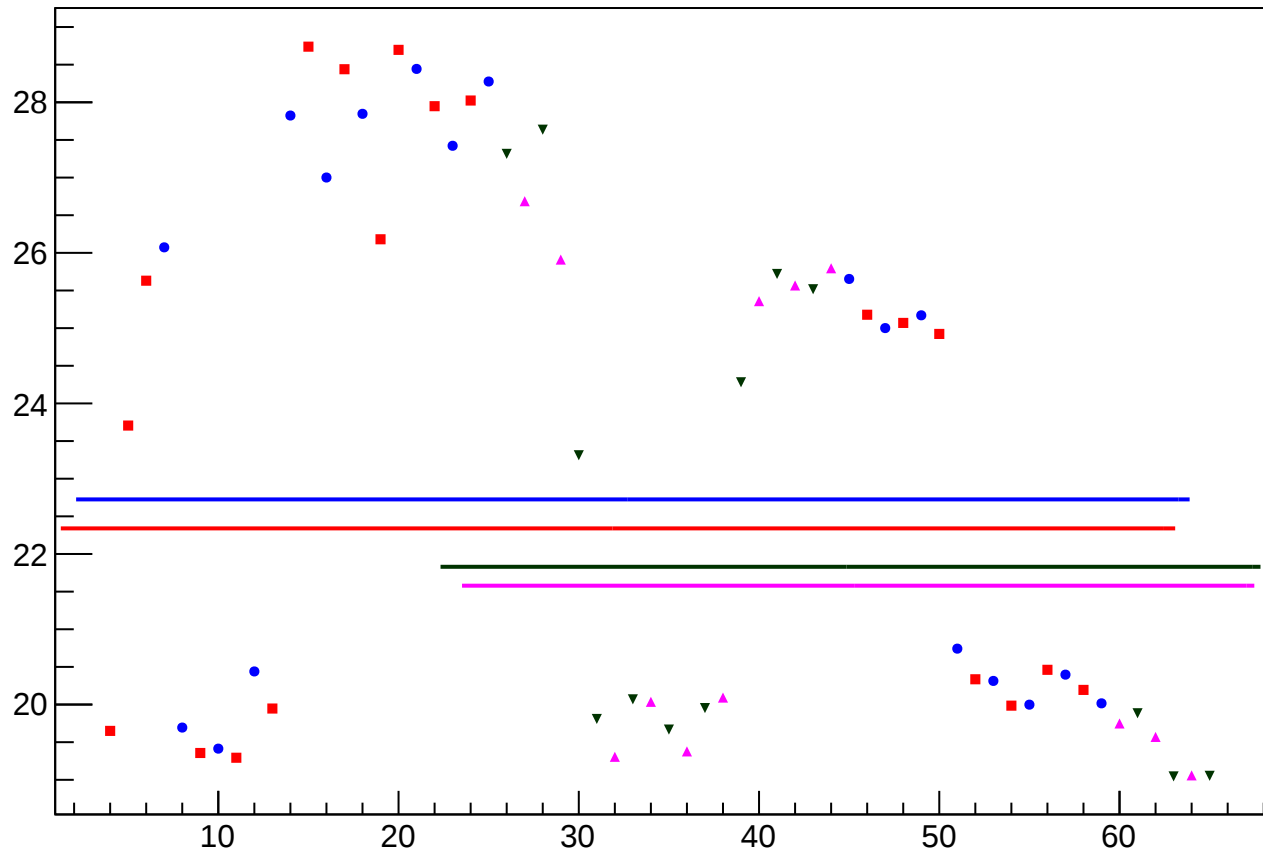
Right Out: 15.596+/-7.143 χ^2/NDF : 10.3/18

Left In: -4.145+/-8.122 χ^2/NDF : 9.6/11

1.364+/-5.315 χ^2/NDF : 29.1/30

6.986+/-5.364 χ^2/NDF : 23.3/30

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: 21.830+/-0.006 χ^2/NDF : 257600.7/12

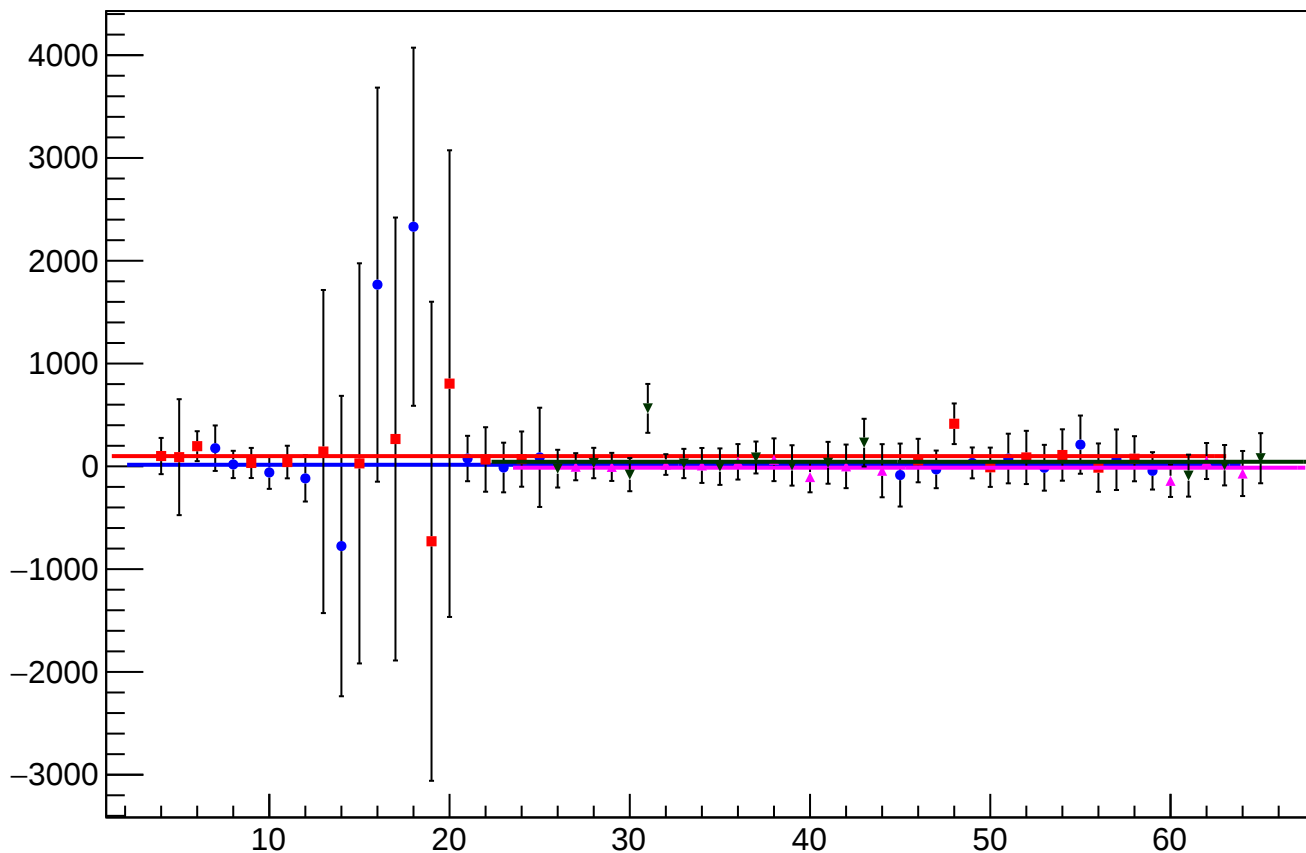
Right Out: 22.340+/-0.005 χ^2/NDF : 460008.2/18

Left In: 21.579+/-0.006 χ^2/NDF : 272281.4/11

22.370+/-0.004 χ^2/NDF : 769946.8/30

22.008+/-0.004 χ^2/NDF : 742192.1/30

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: 44.502+/-50.683 χ^2/NDF : 6.8/12

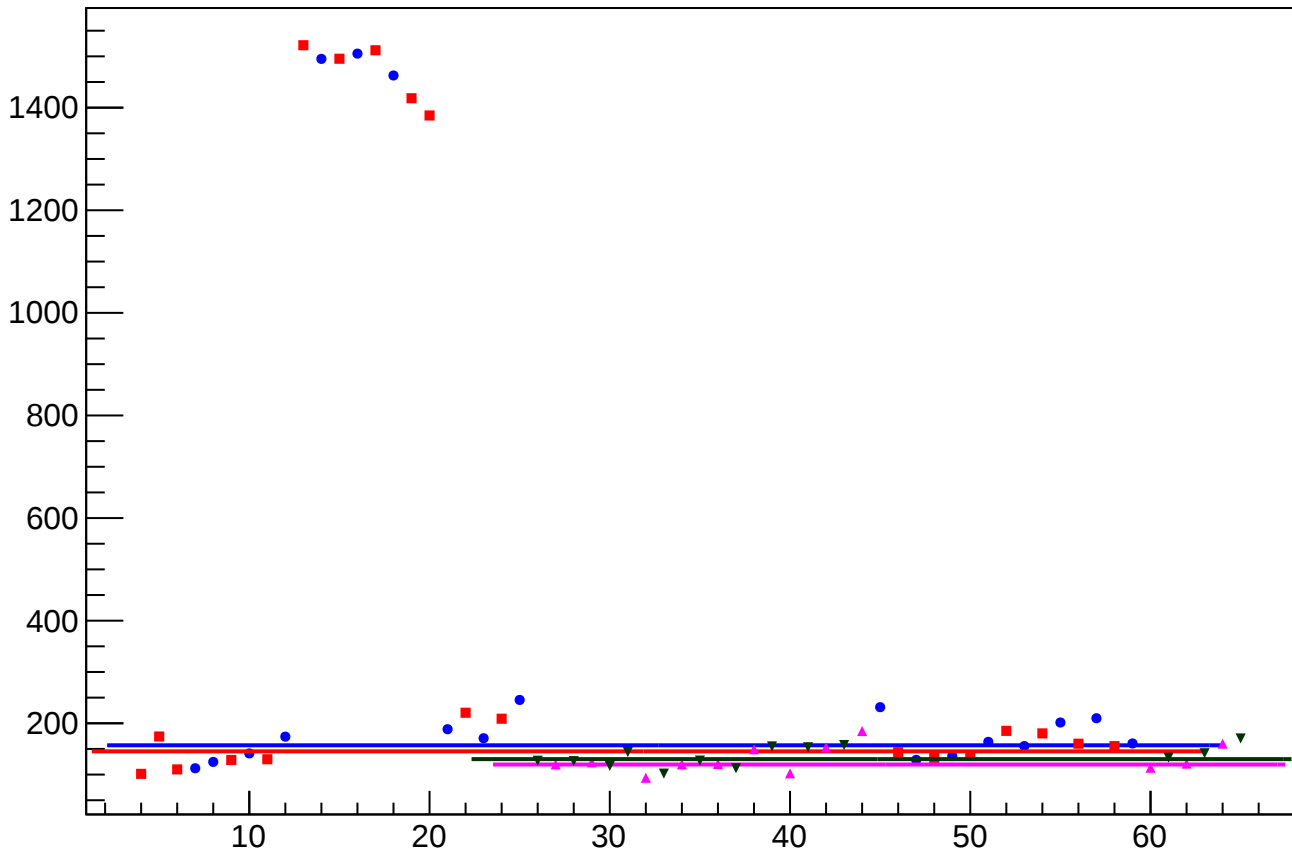
Right Out: 99.514+/-54.286 χ^2/NDF : 4.2/18

Left In: -13.206+/-45.744 χ^2/NDF : 1.6/11

30.509+/-36.636 χ^2/NDF : 12.0/30

33.598+/-34.980 χ^2/NDF : 8.3/30

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs slug



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

Left Out: 130.130 $\pm$ 0.036 χ^2 /NDF:274616.0/12

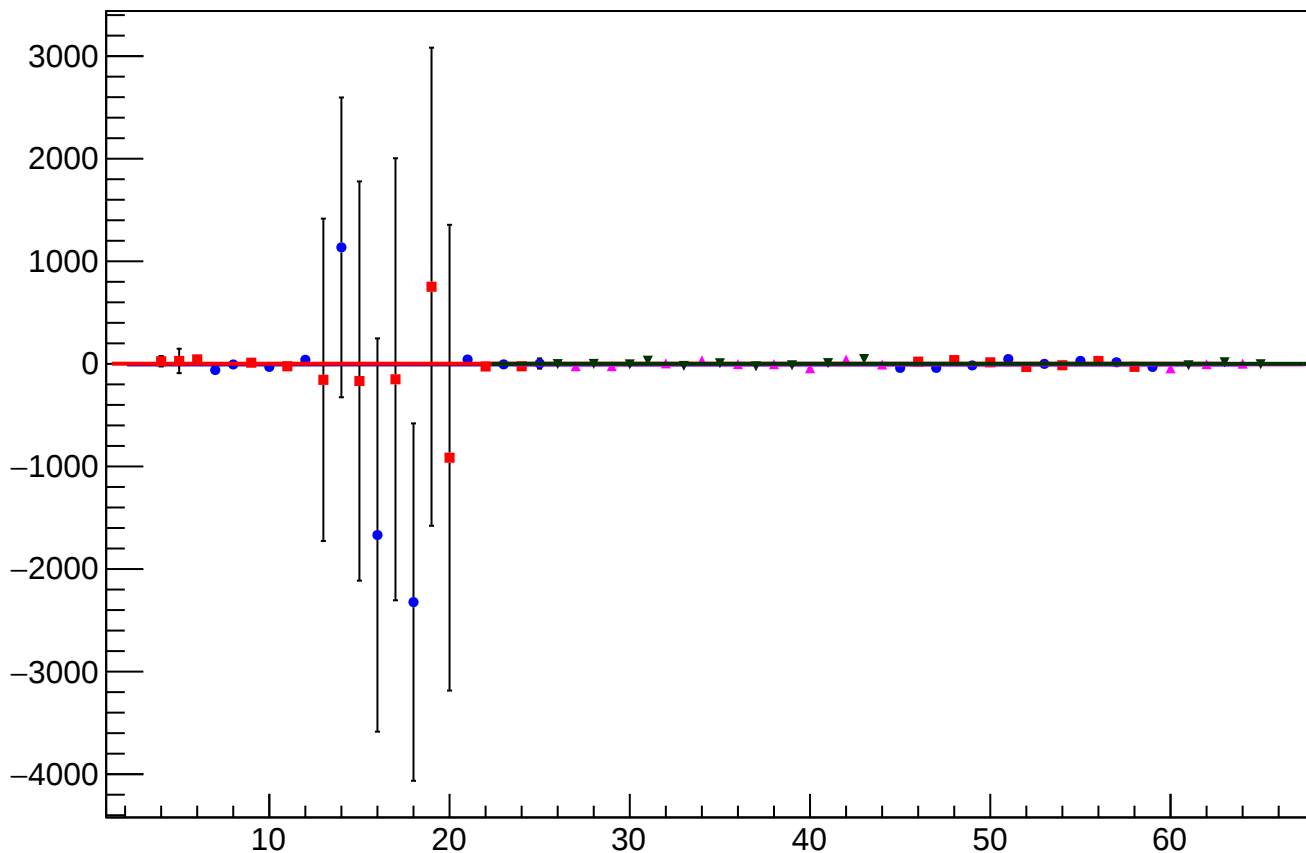
143.002 $\pm$ 0.026 χ^2 /NDF: 5001576.5/30

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

130.290 $\pm$ 0.025 χ^2 /NDF: 5836991.2/30

Left In: 119.632 $\pm$ 0.032 χ^2 /NDF:451391.8/11

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs slug



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

Left Out: 0.716+/-8.013 χ^2/NDF : 5.9/12

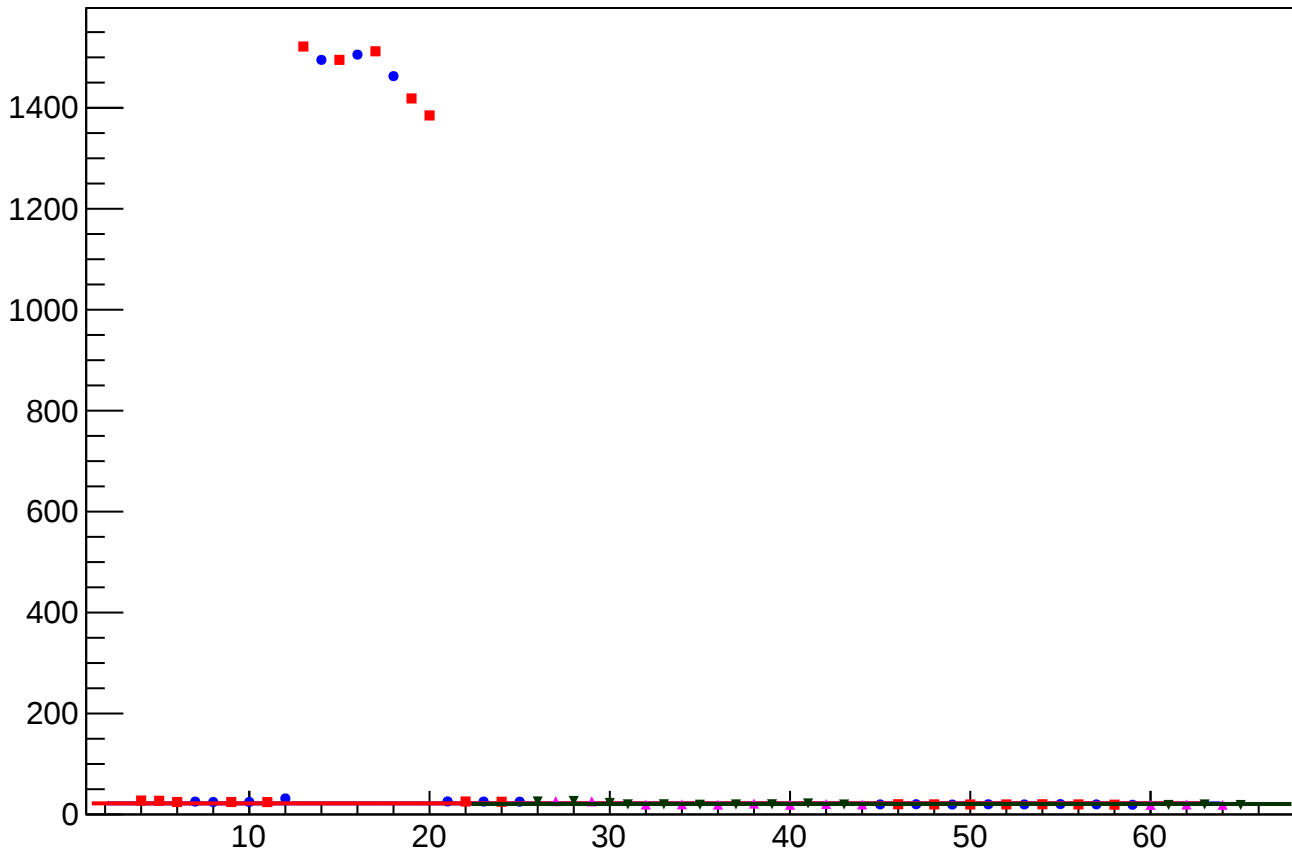
Right Out: 1.722+/-8.261 χ^2/NDF : 10.4/18

Left In: -5.144+/-7.808 χ^2/NDF : 9.7/11

-2.731+/-5.432 χ^2/NDF : 24.9/30

-1.904+/-5.675 χ^2/NDF : 20.4/30

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs slug



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

Left Out: 20.754 $\pm$ 0.006 χ^2/NDF : 158292.2/12

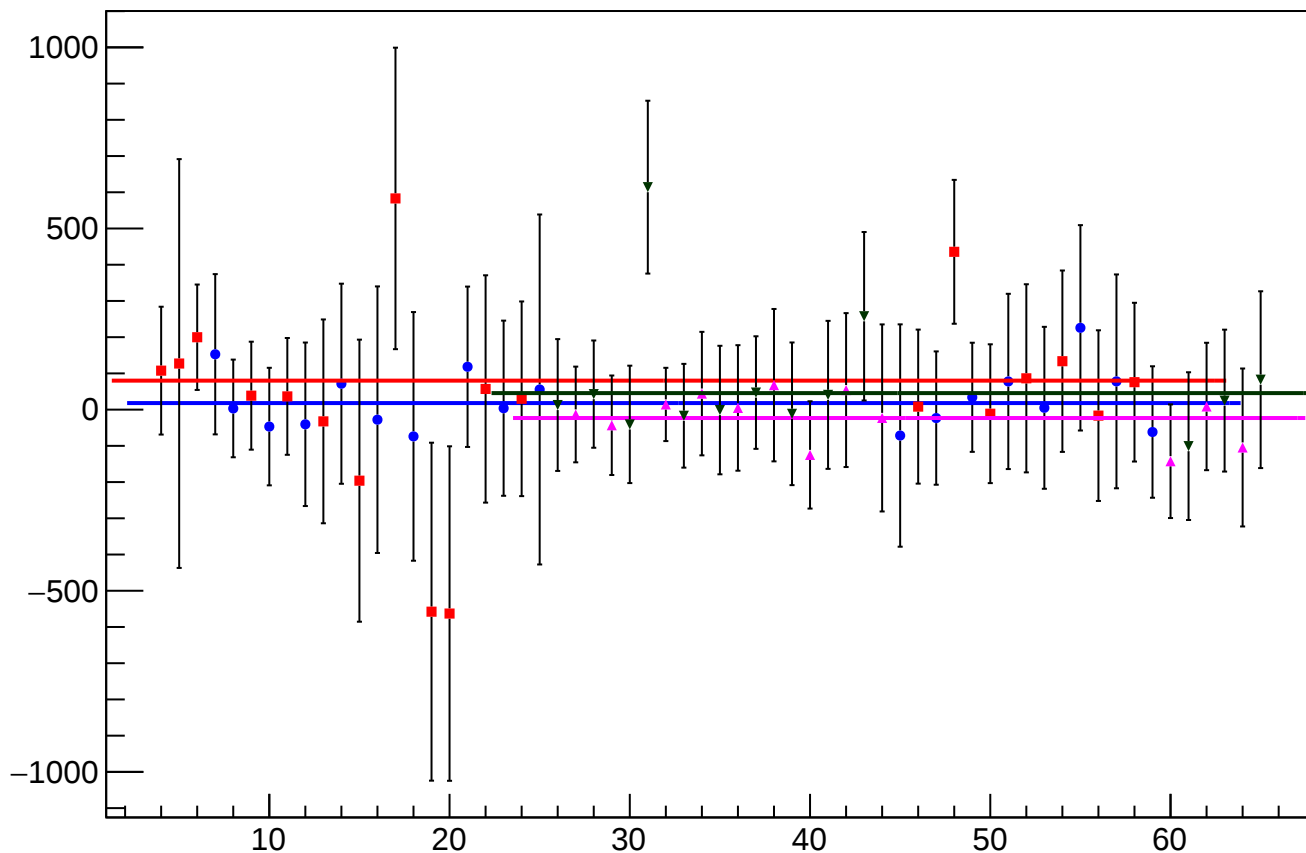
21.383 $\pm$ 0.004 χ^2/NDF : 5112858.1/30

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

21.355 $\pm$ 0.004 χ^2/NDF : 5768168.2/30

Left In: 20.791 $\pm$ 0.006 χ^2/NDF : 186082.0/11

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: 45.619 $\pm$ 50.726 χ^2 /NDF: 7.7/12

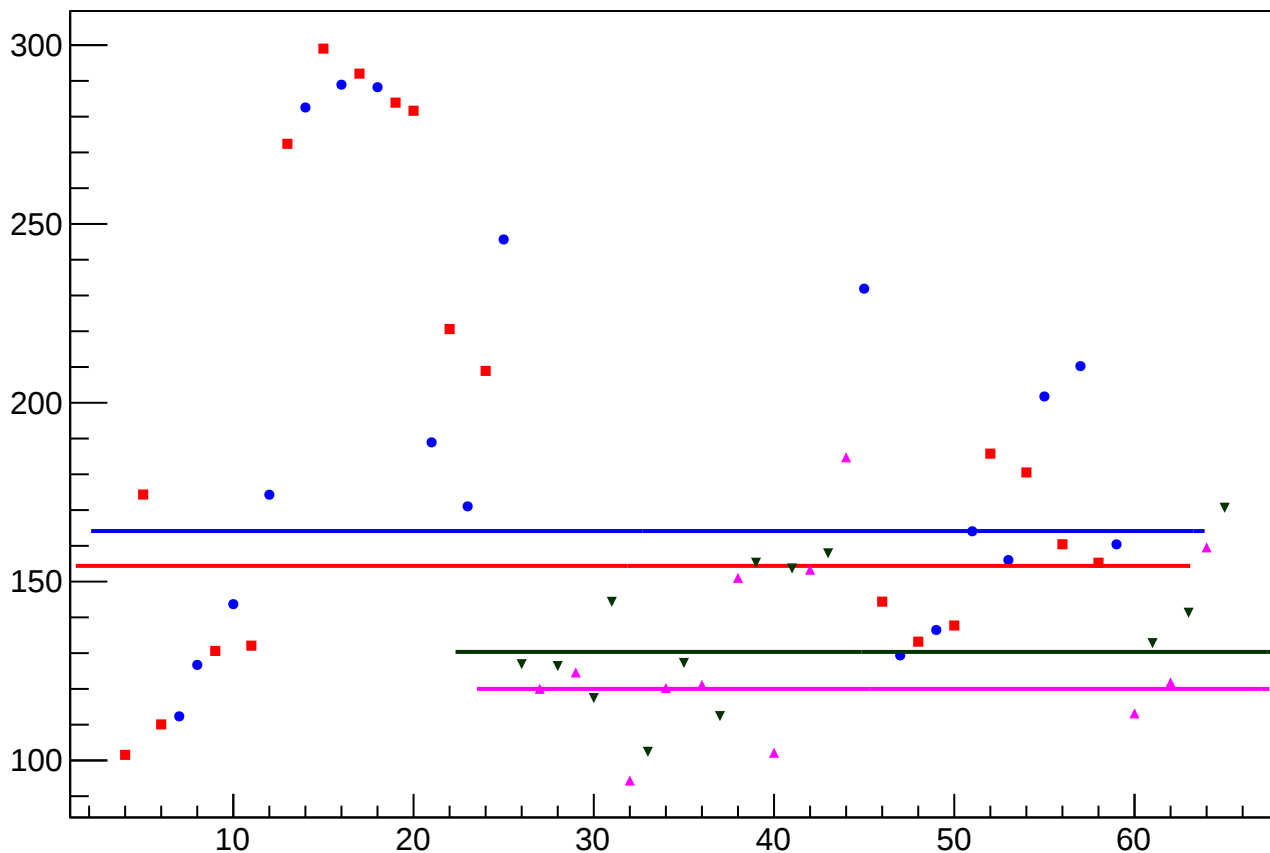
Right Out: 80.043 $\pm$ 52.081 χ^2 /NDF: 10.6/18

Left In: -23.163 $\pm$ 45.871 χ^2 /NDF: 1.9/11

32.026 $\pm$ 36.081 χ^2 /NDF: 9.8/30

21.923 $\pm$ 34.423 χ^2 /NDF: 14.7/30

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: 130.340 $\pm$ 0.036 χ^2 /NDF: 272463.0/12

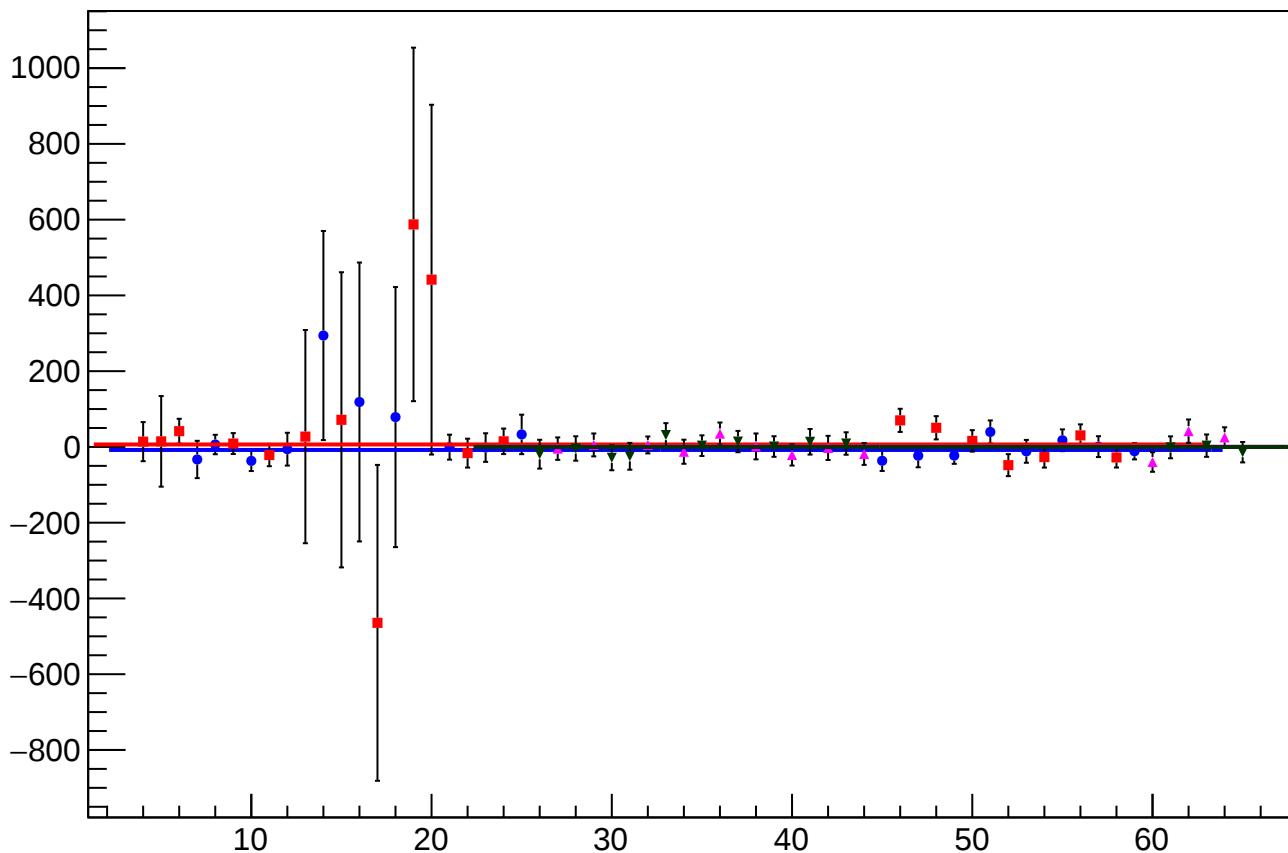
147.039 $\pm$ 0.026 χ^2 /NDF: 2277723.5/30

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

135.024 $\pm$ 0.024 χ^2 /NDF: 2815189.1/30

Left In: 119.997 $\pm$ 0.032 χ^2 /NDF: 448310.4/11

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: -0.126+/-8.427 χ^2 /NDF: 3.3/12

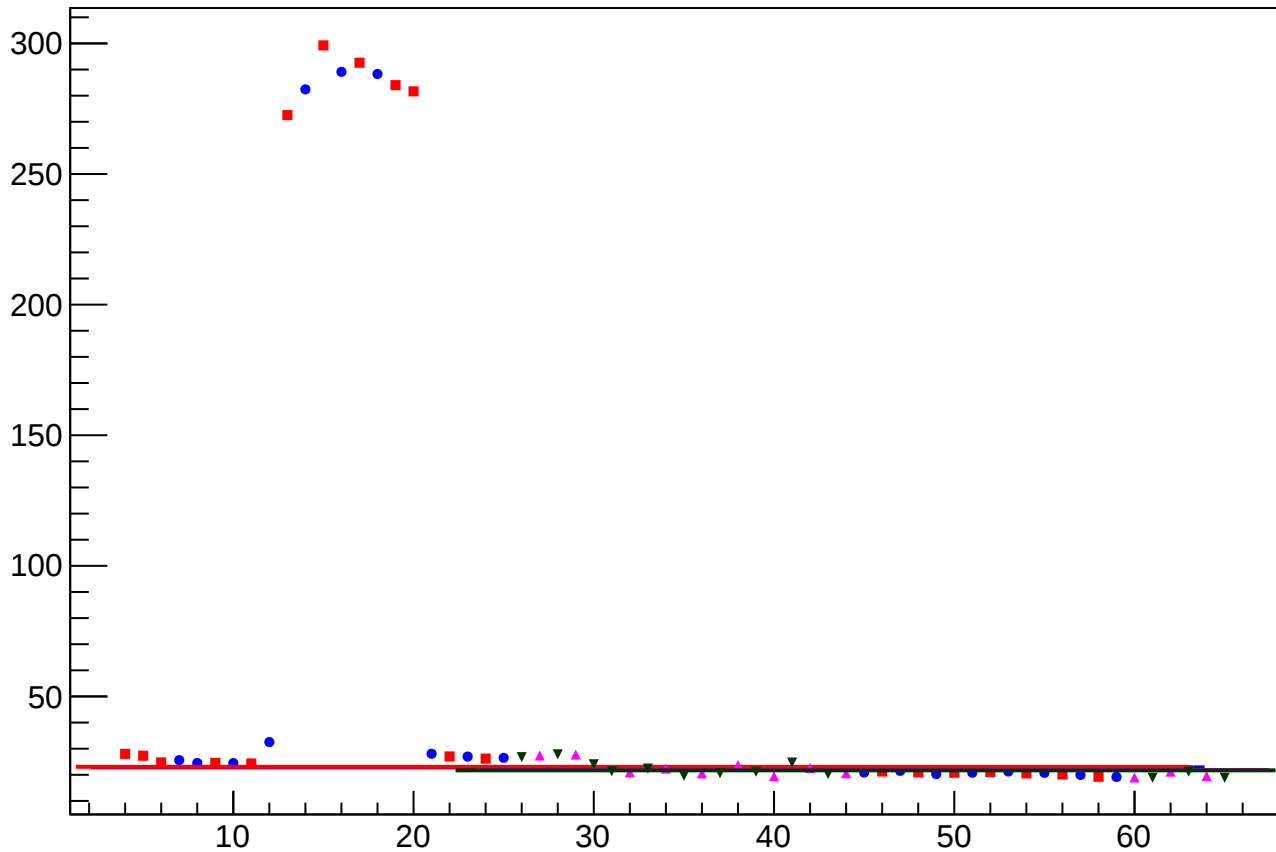
Right Out: 6.463+/-8.479 χ^2 /NDF: 20.1/18

Left In: 0.581+/-8.258 χ^2 /NDF: 7.8/11

-4.456+/-5.645 χ^2 /NDF: 12.8/30

3.445+/-5.916 χ^2 /NDF: 28.1/30

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs slug



Right In: 22.854+/-0.005 χ^2/NDF : 4363507.8/17

Left Out: 21.711+/-0.006 χ^2/NDF : 196687.9/12

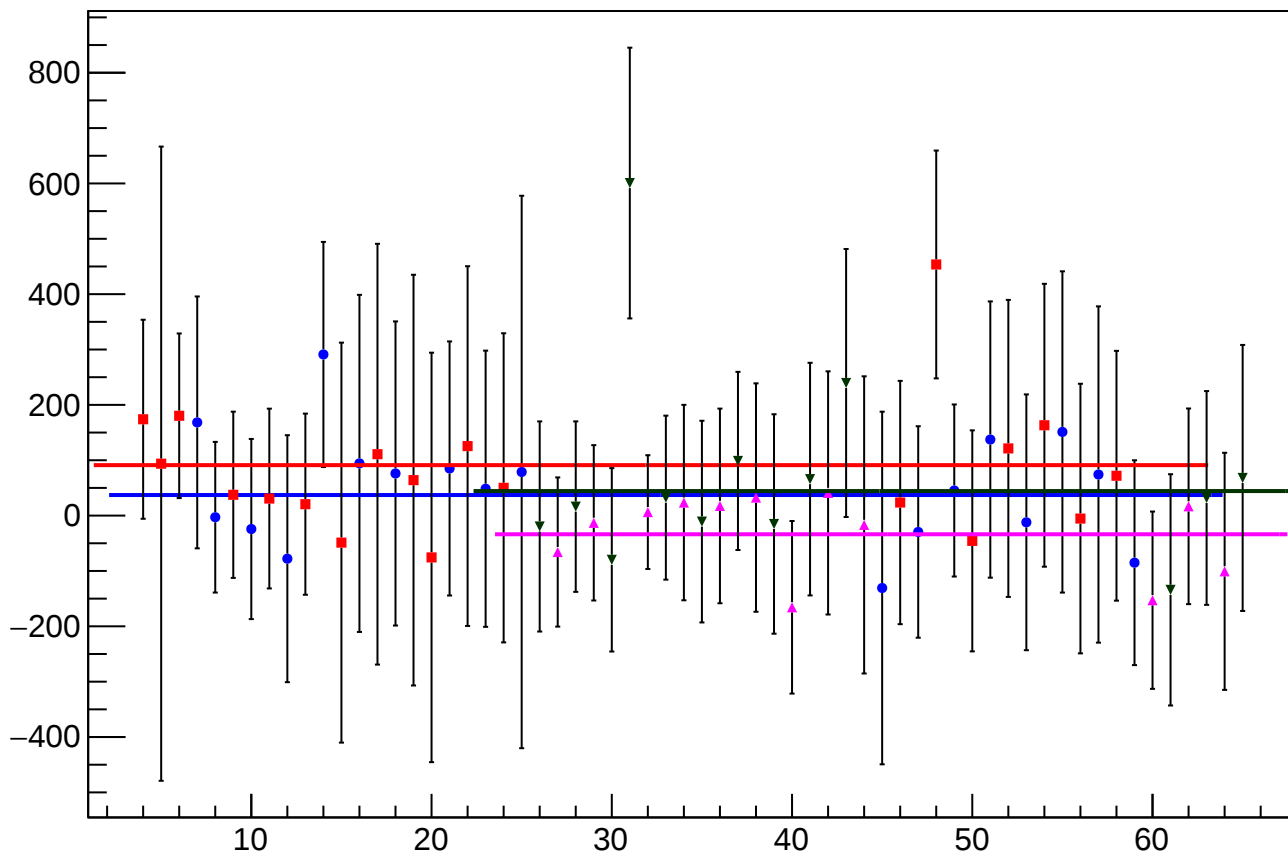
Right Out: 23.069+/-0.006 χ^2/NDF : 4856723.7/18

Left In: 21.841+/-0.006 χ^2/NDF : 220064.9/11

22.341+/-0.004 χ^2/NDF : 4580494.2/30

22.439+/-0.004 χ^2/NDF : 5098287.8/30

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: 44.328+/-52.010 χ^2/NDF : 7.6/12

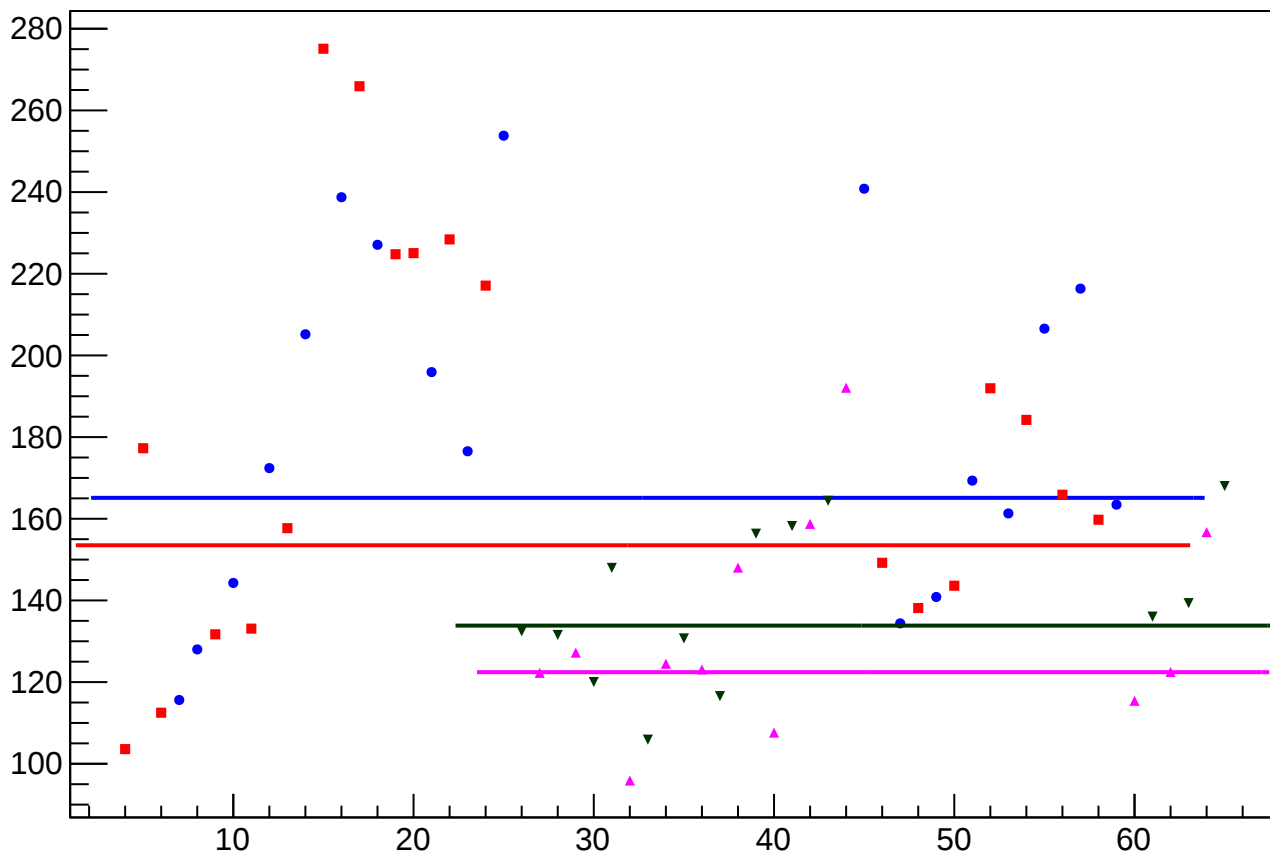
Right Out: 91.157+/-50.934 χ^2/NDF : 5.3/18

Left In: -33.734+/-46.772 χ^2/NDF : 2.1/11

40.673+/-36.428 χ^2/NDF : 11.3/30

23.401+/-34.450 χ^2/NDF : 10.7/30

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs slug



Right In: 165.125 $\pm$ 0.036 χ^2/NDF : 990659.0/17

Left Out: 133.837 $\pm$ 0.037 χ^2/NDF : 242773.3/12

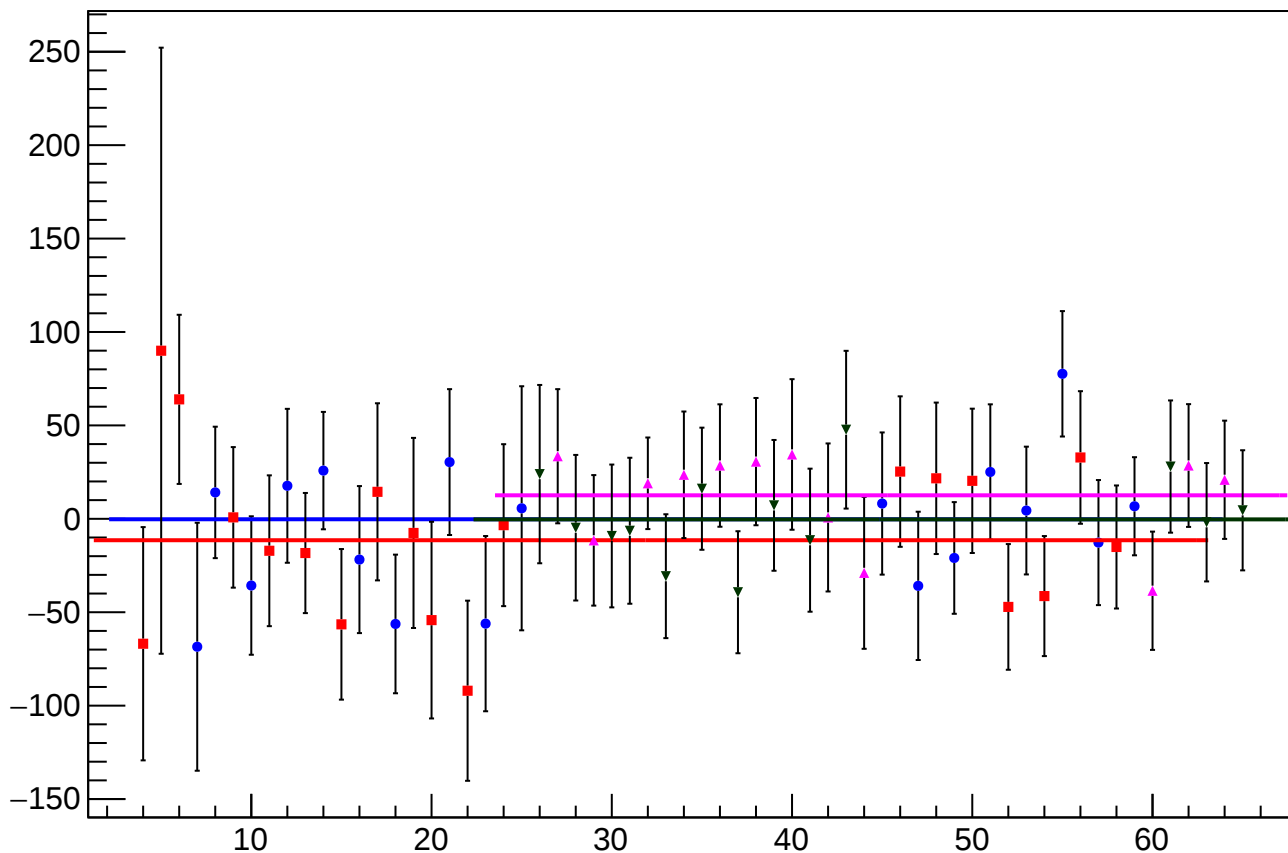
149.776 $\pm$ 0.026 χ^2/NDF : 1602155.5/30

Right Out: 153.509 $\pm$ 0.036 χ^2/NDF : 1238601.8/18

136.648 $\pm$ 0.024 χ^2/NDF : 2071873.3/30

Left In: 122.430 $\pm$ 0.033 χ^2/NDF : 429298.2/11

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs slug



Right In: -0.239 ± 8.646 $\chi^2/\text{NDF}: 15.1/17$

Left Out: -0.304 ± 9.978 $\chi^2/\text{NDF}: 5.0/12$

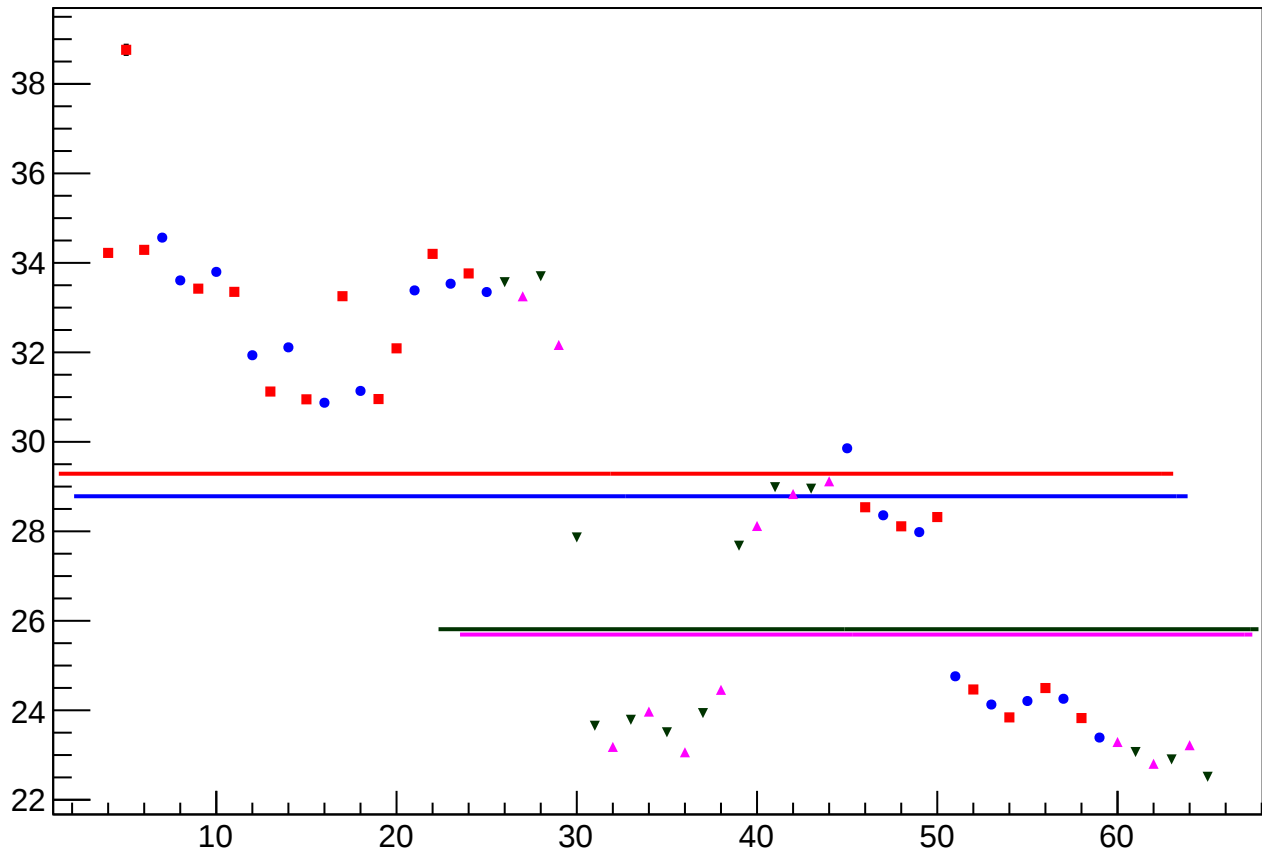
Right Out: -11.462 ± 9.405 $\chi^2/\text{NDF}: 14.9/18$

Left In: 12.583 ± 9.665 $\chi^2/\text{NDF}: 5.8/11$

-0.267 ± 6.534 $\chi^2/\text{NDF}: 20.0/30$

0.233 ± 6.740 $\chi^2/\text{NDF}: 23.9/30$

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs slug



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

Left Out: 25.813+/-0.007 χ^2/NDF : 251122.3/12

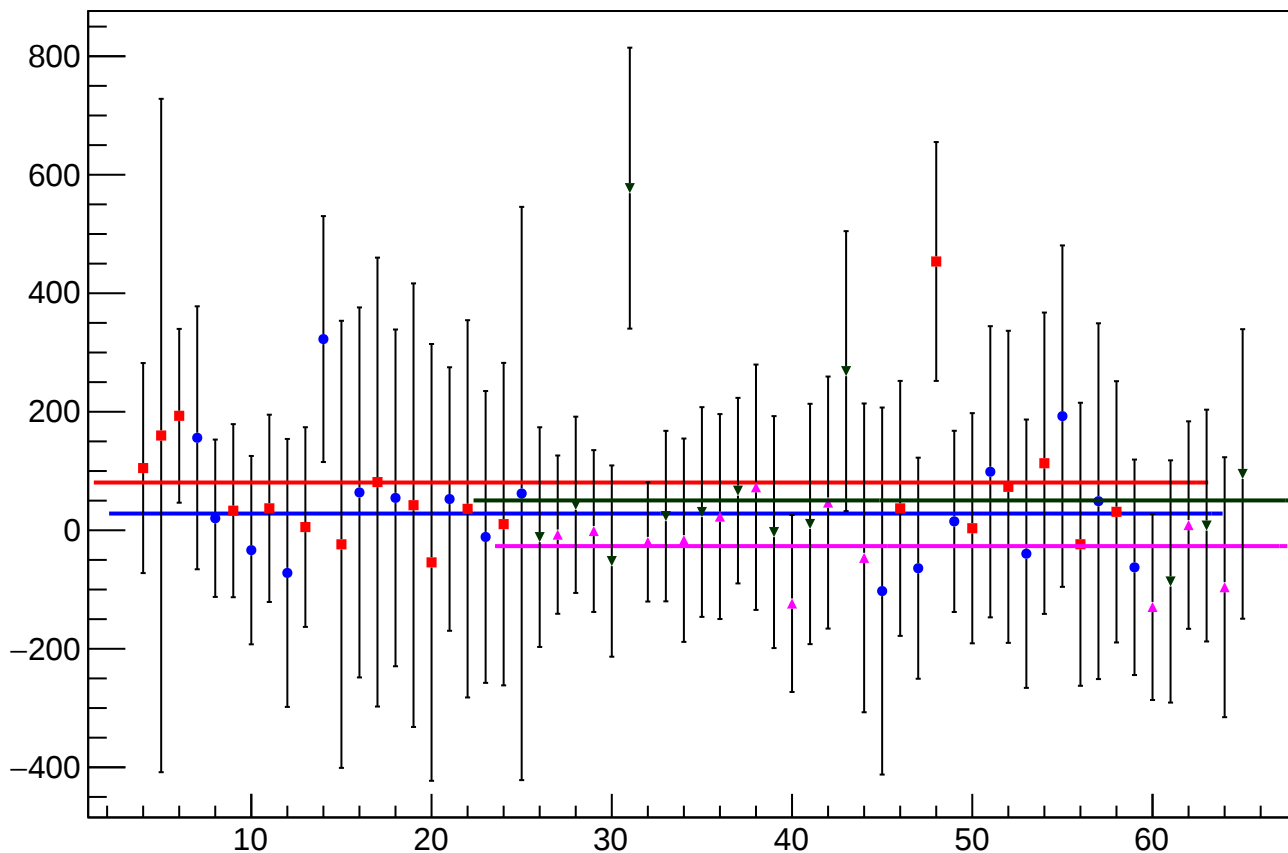
Right Out: 29.288+/-0.007 χ^2/NDF : 355757.4/18

Left In: 25.693+/-0.007 χ^2/NDF : 272217.8/11

27.510+/-0.005 χ^2/NDF : 770915.2/30

27.539+/-0.005 χ^2/NDF : 770088.3/30

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: 50.375+/-50.853 χ^2/NDF : 7.0/12

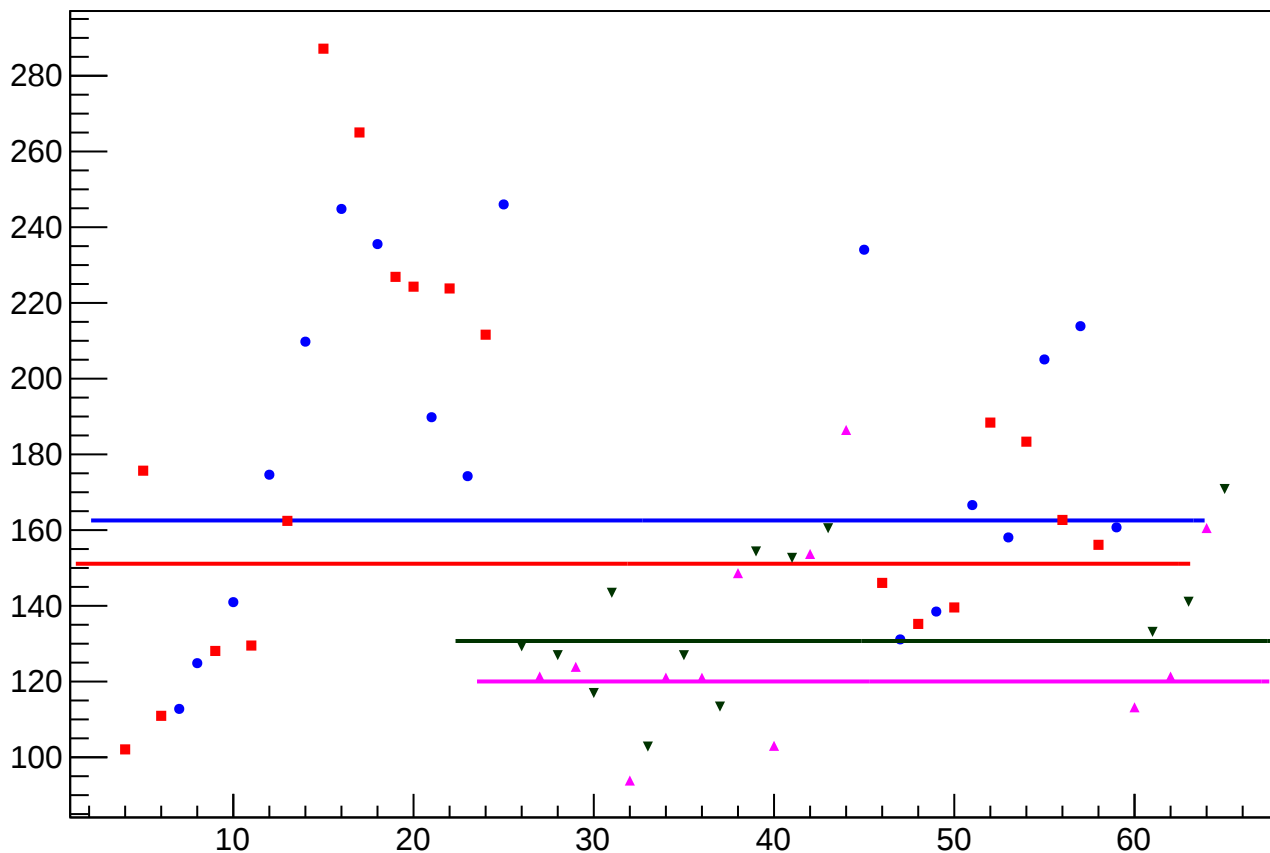
Right Out: 80.614+/-50.242 χ^2/NDF : 5.2/18

Left In: -26.718+/-45.886 χ^2/NDF : 1.5/11

39.191+/-35.780 χ^2/NDF : 11.0/30

22.094+/-33.882 χ^2/NDF : 9.2/30

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs slug



Right In: 162.548 ± 0.036 $\chi^2/\text{NDF}: 1089314.8/17$

Left Out: 130.713 ± 0.036 $\chi^2/\text{NDF}: 266486.8/12$

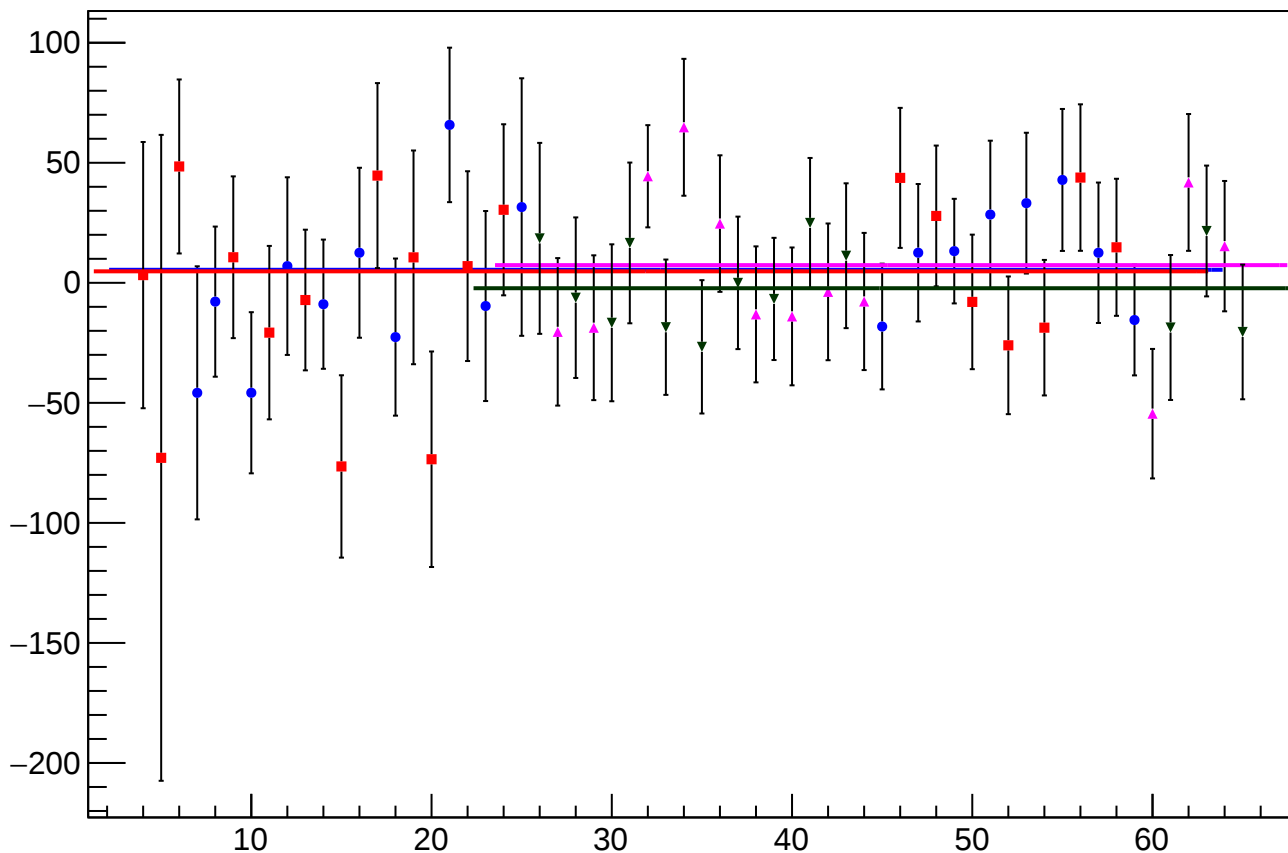
146.788 ± 0.025 $\chi^2/\text{NDF}: 1751568.3/30$

Right Out: 151.117 ± 0.036 $\chi^2/\text{NDF}: 1306443.7/18$

134.164 ± 0.024 $\chi^2/\text{NDF}: 2177758.7/30$

Left In: 120.023 ± 0.032 $\chi^2/\text{NDF}: 453651.5/11$

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs slug



Right In: 5.427 $\pm$ 7.205 χ^2 /NDF: 13.4/17

Left Out: -2.255 $\pm$ 8.179 χ^2 /NDF:4.6/12

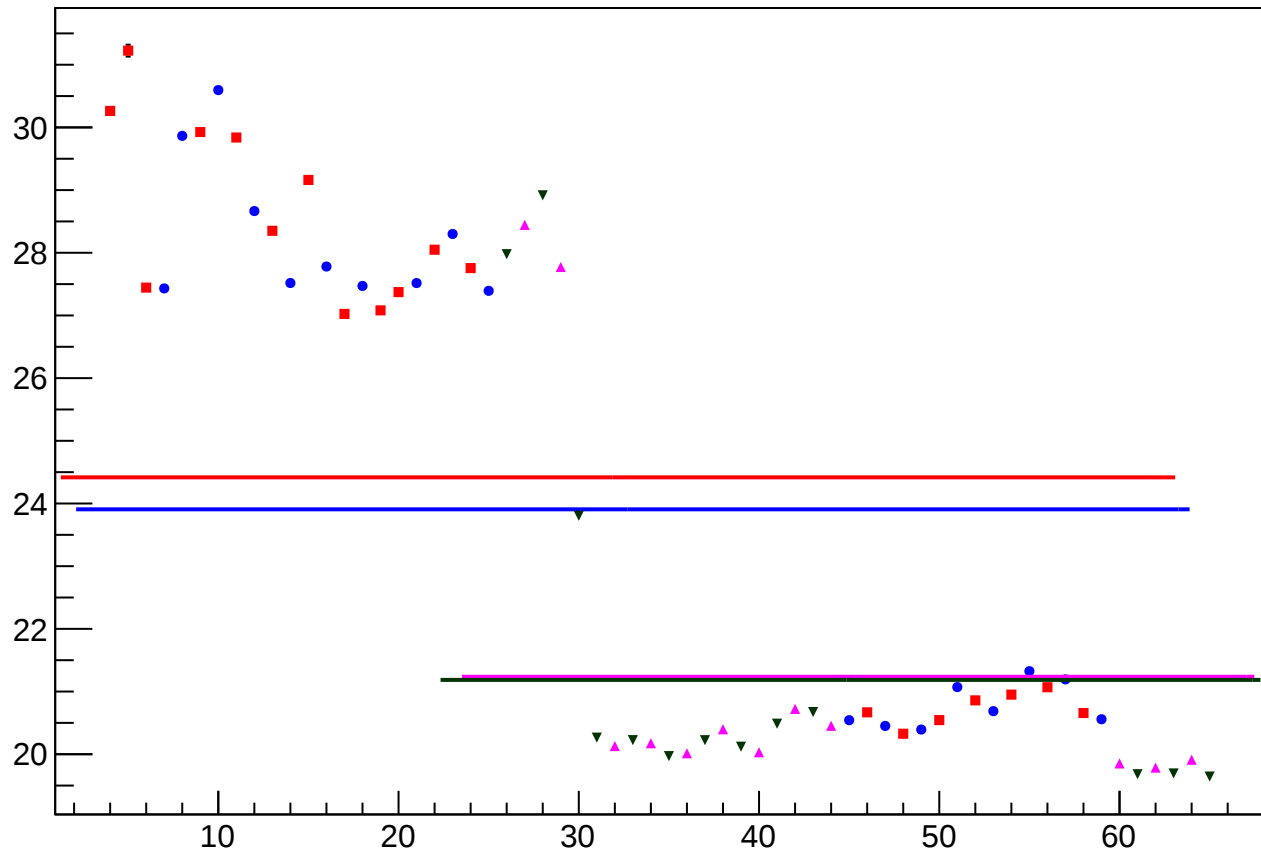
Right Out: 4.784 $\pm$ 7.872 χ^2 /NDF: 17.9/18

Left In: 7.365 $\pm$ 7.977 χ^2 /NDF:17.3/11

2.071 $\pm$ 5.406 χ^2 /NDF: 18.5/30

6.057 $\pm$ 5.603 χ^2 /NDF: 35.3/30

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs slug



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

Left Out: 21.186 $\pm$ 0.006 χ^2 /NDF: 210604.4/12

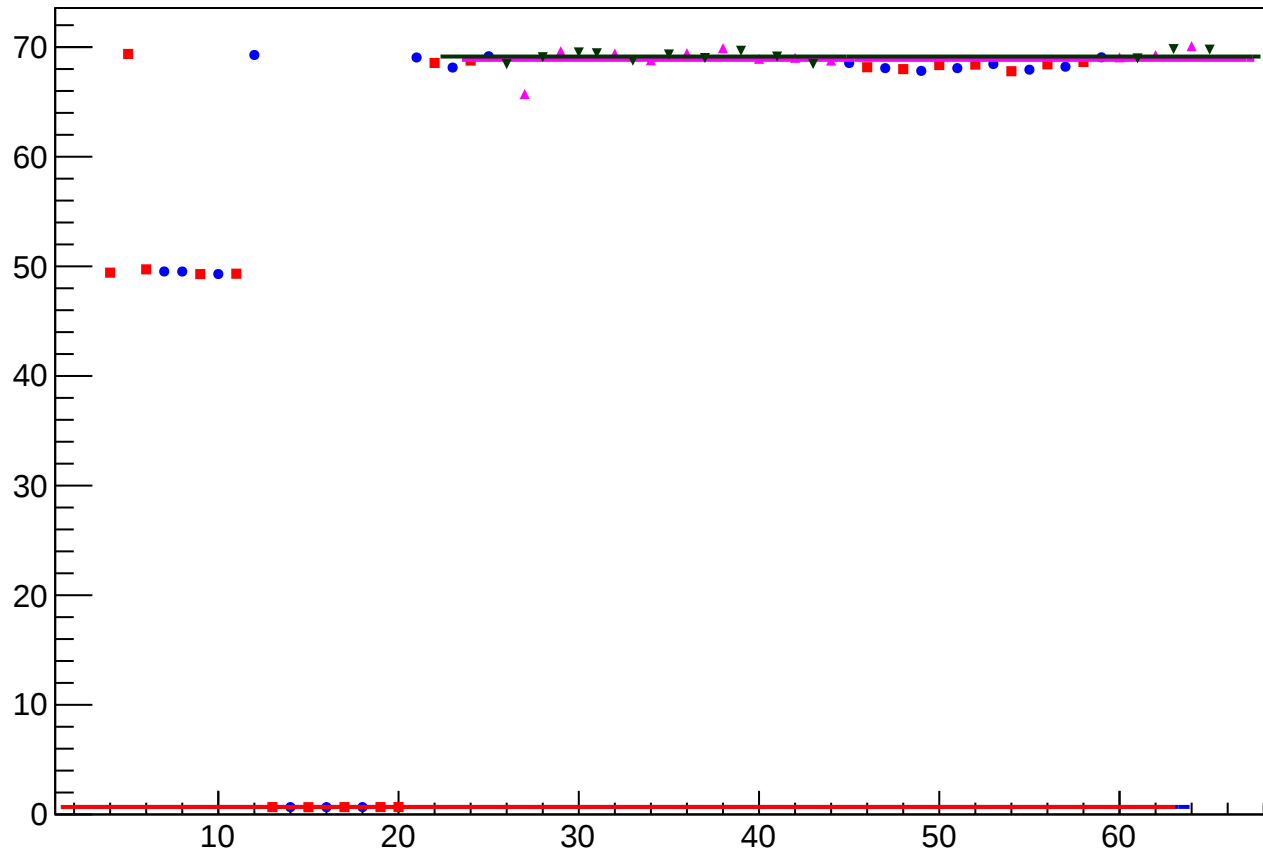
Right Out: 24.417 $\pm$ 0.006 χ^2 /NDF: 496476.9/18

Left In: 21.236 $\pm$ 0.006 χ^2 /NDF: 238577.0/11

22.718 $\pm$ 0.004 χ^2 /NDF: 901153.4/30

22.847 $\pm$ 0.004 χ^2 /NDF: 896215.4/30

yield_bcm_an_ds_mean vs slug



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

Left Out: 69.140+/-0.000 χ^2/NDF : 32200916.5/12

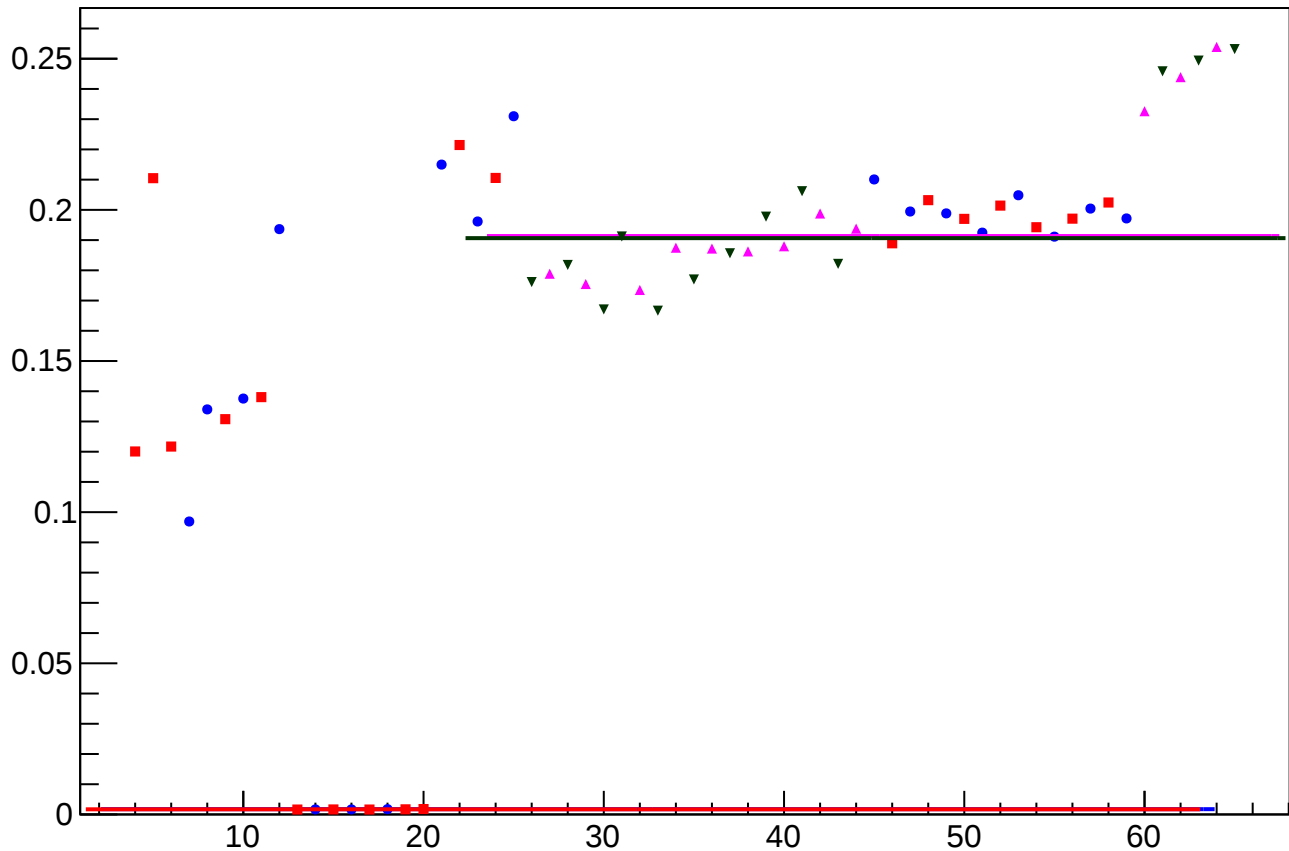
Right Out: 0.684+/-0.000 χ^2/NDF : 845851789818.6/18

Left In: 68.839+/-0.000 χ^2/NDF : 311255456.4/11

0.703+/-0.000 χ^2/NDF : 1874212648956.7/30

0.696+/-0.000 χ^2/NDF : 1719722136267.8/30

yield_bcm_an_ds_rms vs slug



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

Left Out: 0.191 $\pm$ 0.000 χ^2 /NDF:226054.0/12

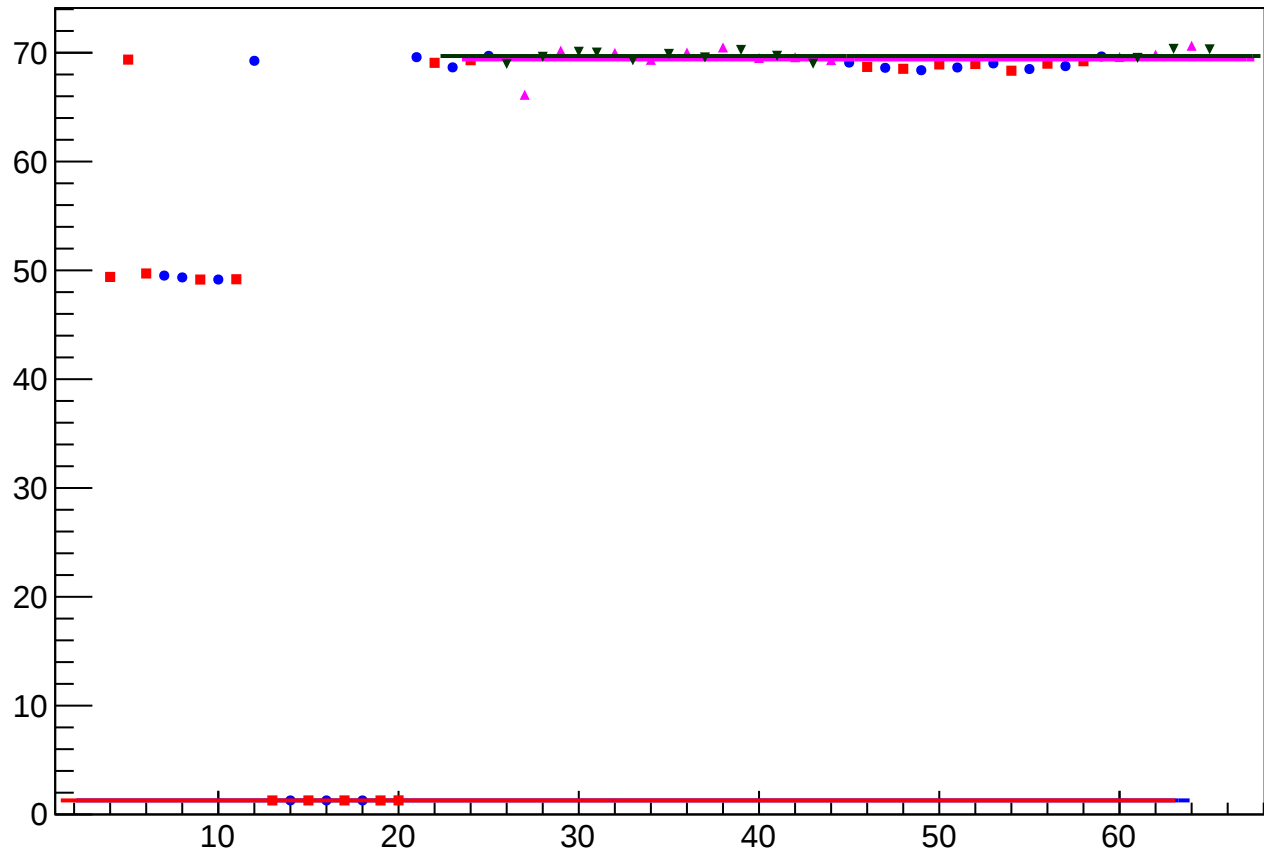
Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 13510450.3/18

Left In: 0.191 $\pm$ 0.000 χ^2 /NDF:185633.9/11

0.002 $\pm$ 0.000 χ^2 /NDF: 29874733.0/30

0.002 $\pm$ 0.000 χ^2 /NDF: 27222932.7/30

yield_bcm_an_ds3_mean vs slug



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

Left Out: 69.698+/-0.000 χ^2/NDF : 32390510.9/12

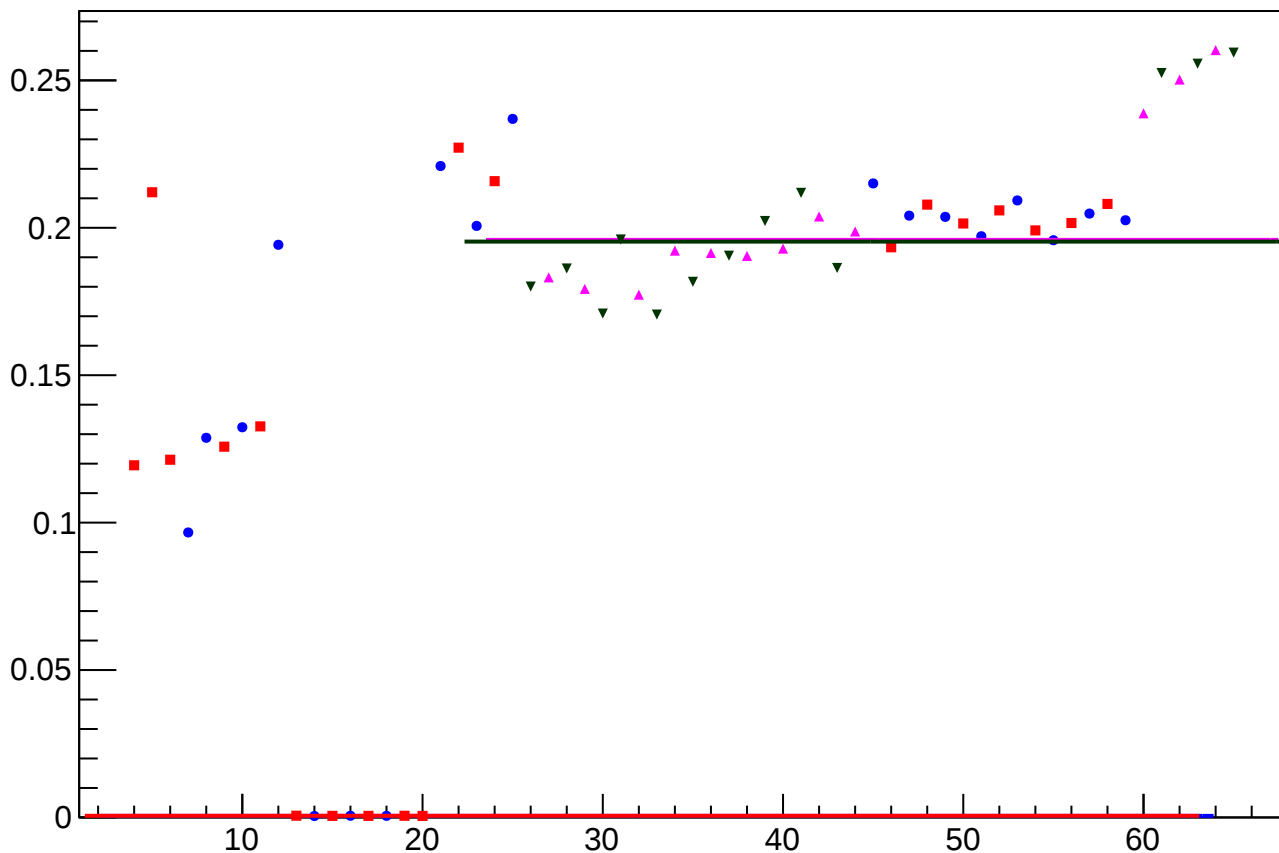
1.292+/-0.000 χ^2/NDF : 1806562159714.7/30

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

1.292+/-0.000 χ^2/NDF : 1658707573957.0/30

Left In: 69.382+/-0.000 χ^2/NDF : 320546827.9/11

yield_bcm_an_ds3_rms vs slug



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

Left Out: 0.195 $\pm$ 0.000 χ^2 /NDF:228239.8/12

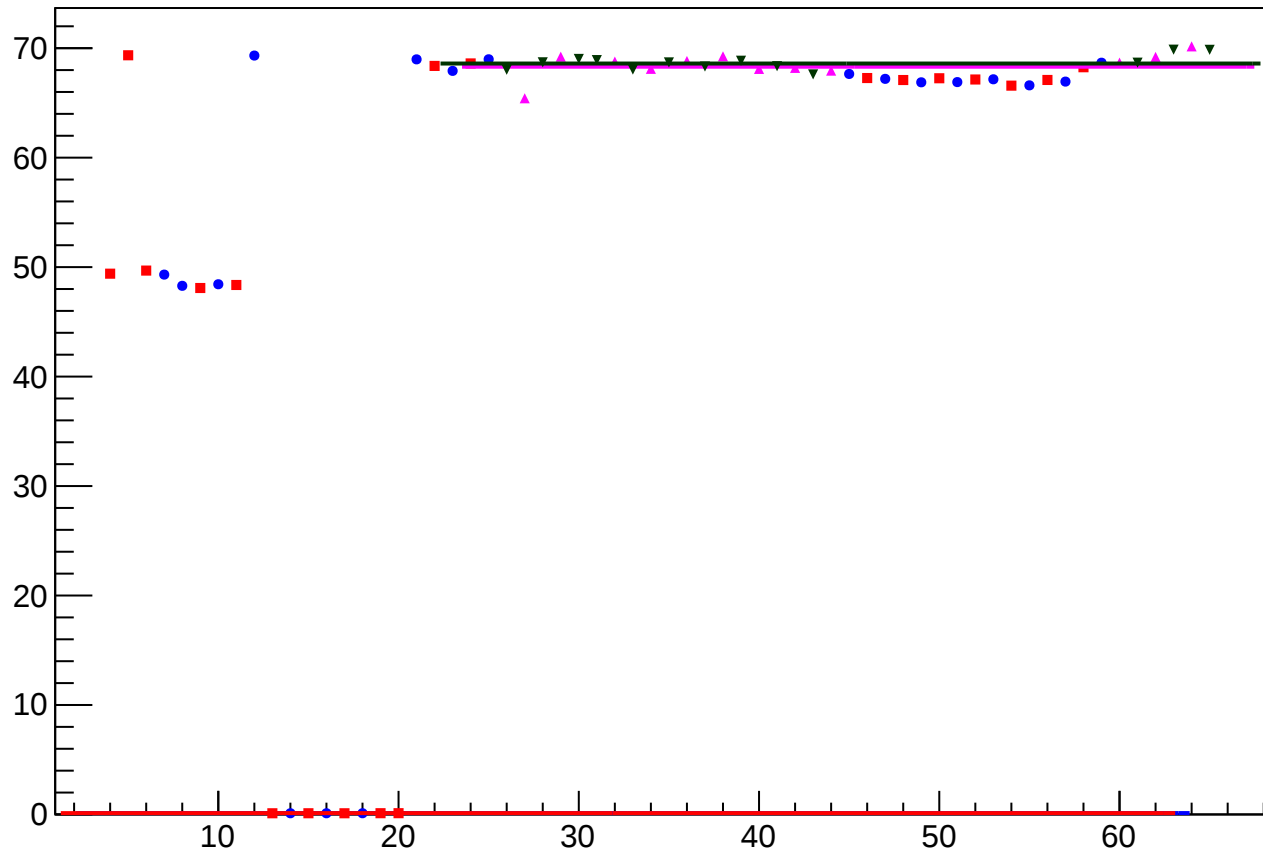
0.001 $\pm$ 0.000 χ^2 /NDF: 30286440.3/30

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

0.001 $\pm$ 0.000 χ^2 /NDF: 27573461.5/30

Left In: 0.196 $\pm$ 0.000 χ^2 /NDF:189134.3/11

yield_bcm_an_us_mean vs slug



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

Left Out: 68.598+/-0.000 χ^2/NDF : 57311245.6/12

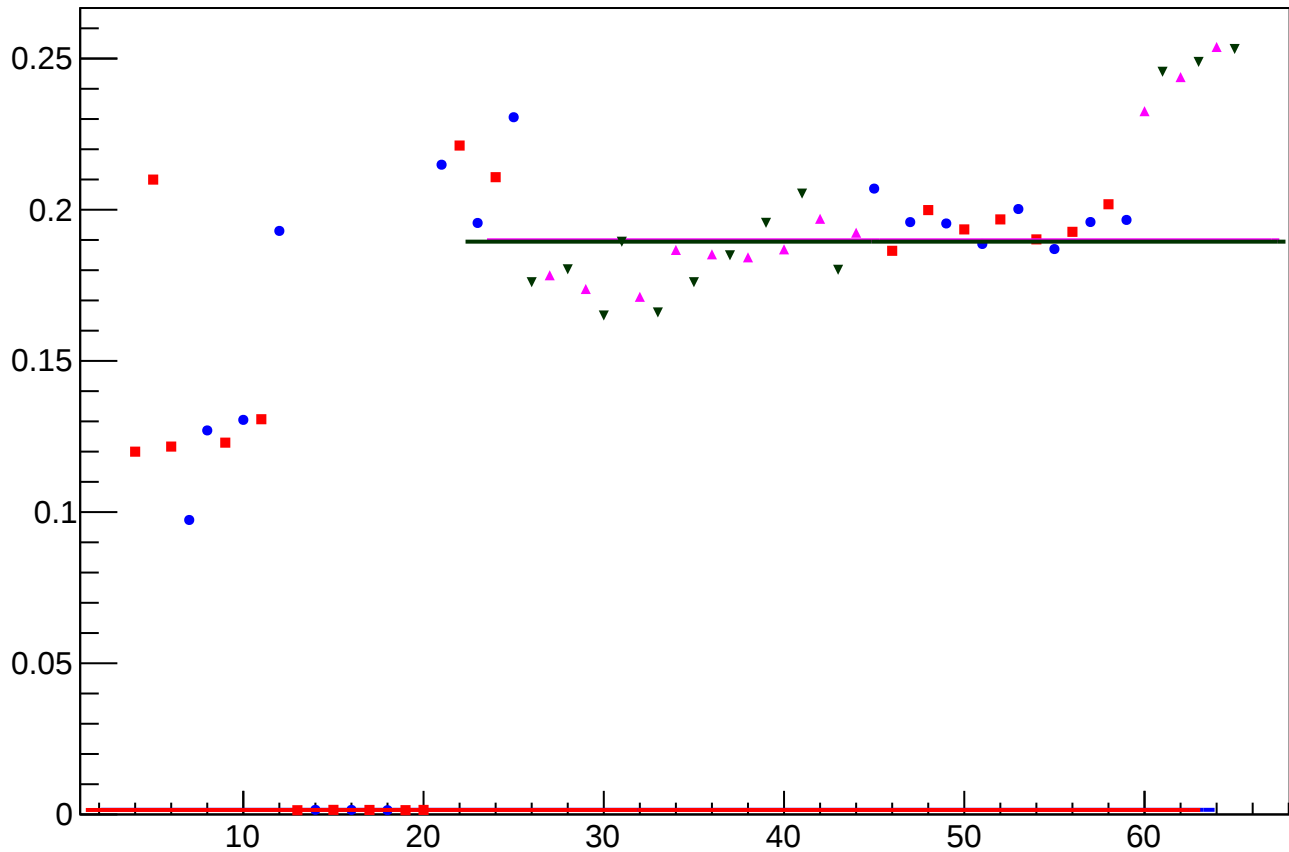
Right Out: 0.122+/-0.000 χ^2/NDF : 876428994690.6/18

Left In: 68.307+/-0.000 χ^2/NDF : 298742967.9/11

0.138+/-0.000 χ^2/NDF : 1917071596507.5/30

0.132+/-0.000 χ^2/NDF : 1763630414440.7/30

yield_bcm_an_us_rms vs slug



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

Left Out: 0.189 $\pm$ 0.000 χ^2 /NDF:232171.9/12

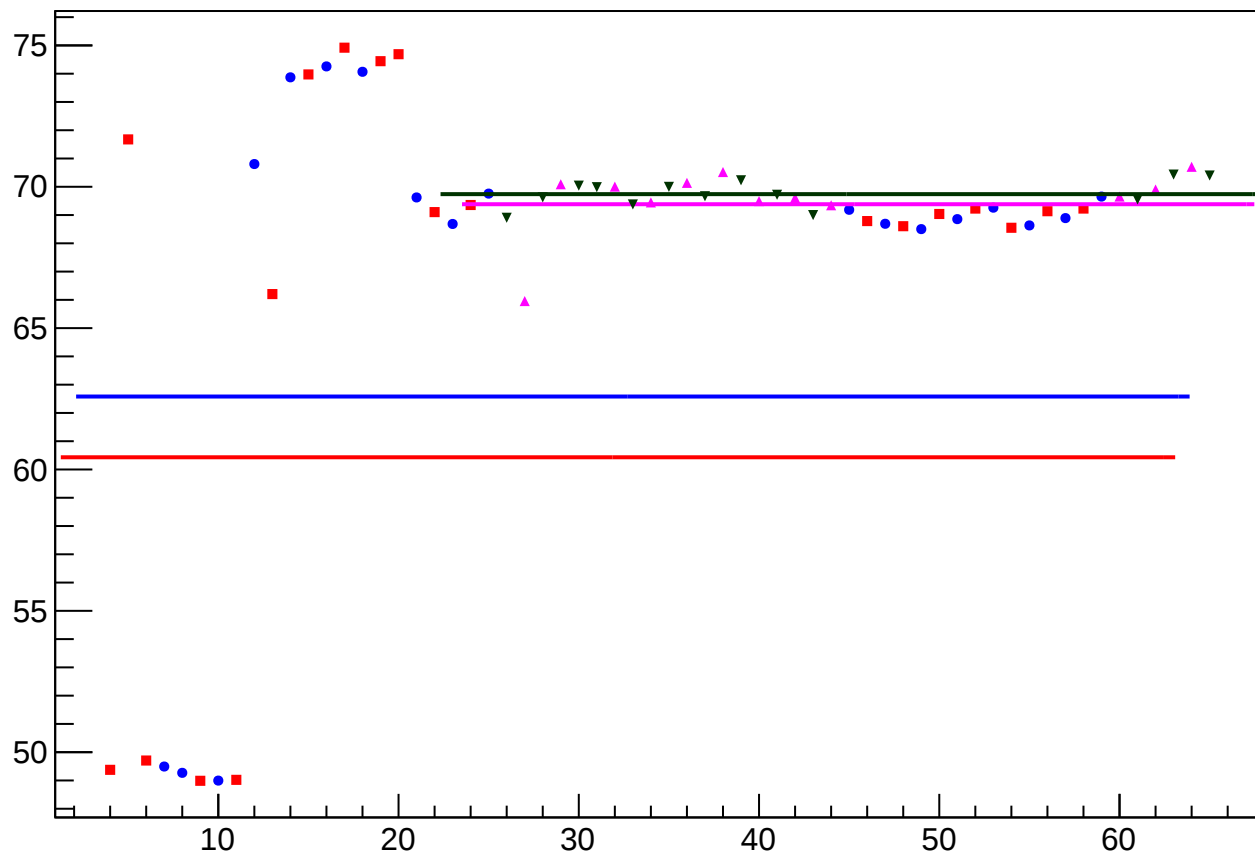
Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 13535654.6/18

Left In: 0.190 $\pm$ 0.000 χ^2 /NDF:195272.8/11

0.002 $\pm$ 0.000 χ^2 /NDF: 29909900.4/30

0.002 $\pm$ 0.000 χ^2 /NDF: 27274053.0/30

yield_bcm_dg_us_mean vs slug



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

Left Out: 69.740+/-0.000 χ^2/NDF : 32790521.6/12

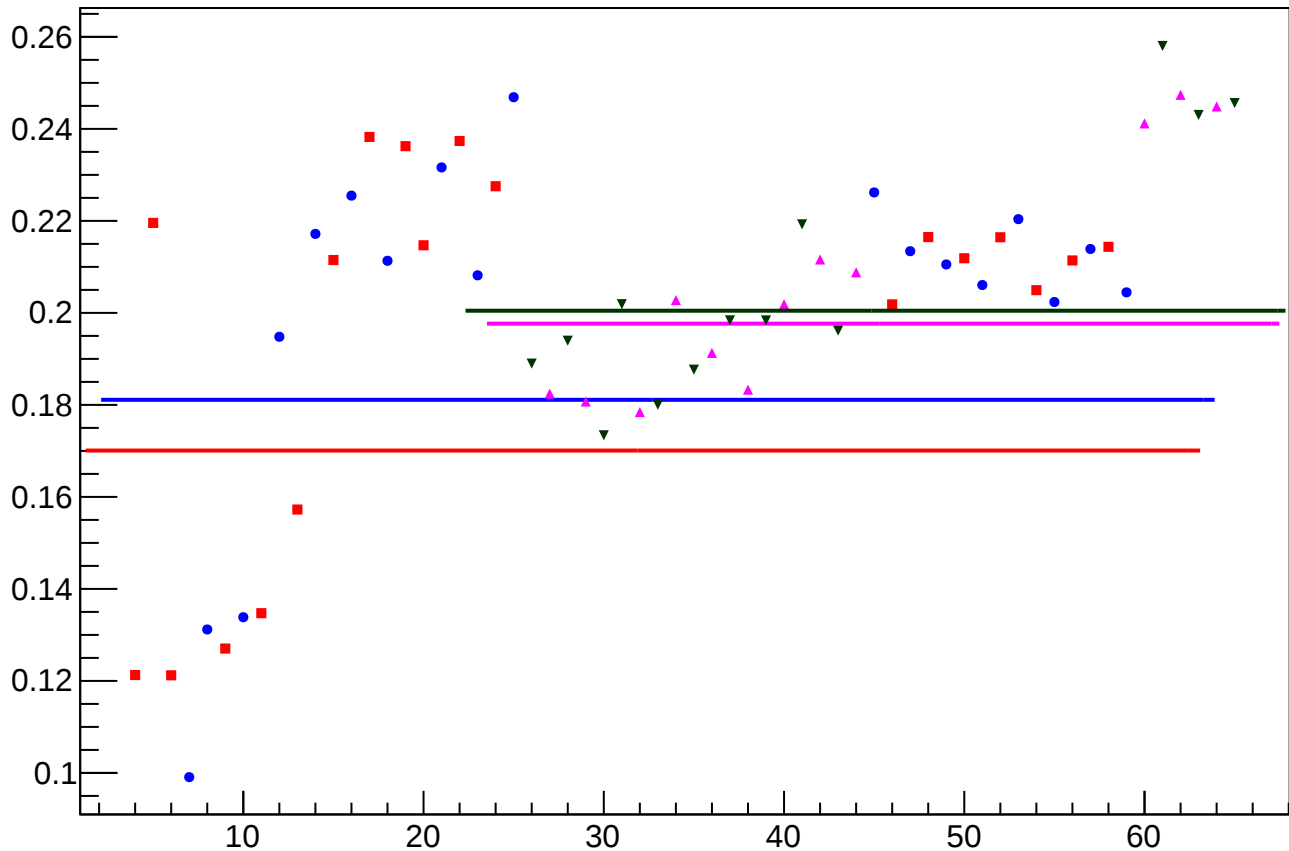
Right Out: 60.432+/-0.000 χ^2/NDF : 32977972131.8/18

Left In: 69.383+/-0.000 χ^2/NDF : 354692992.9/11

65.022+/-0.000 χ^2/NDF : 39200148238.0/30

63.699+/-0.000 χ^2/NDF : 42290743448.2/30

yield_bcm_dg_us_rms vs slug



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

Left Out: 0.200+/-0.000 χ^2/NDF :162658.7/12

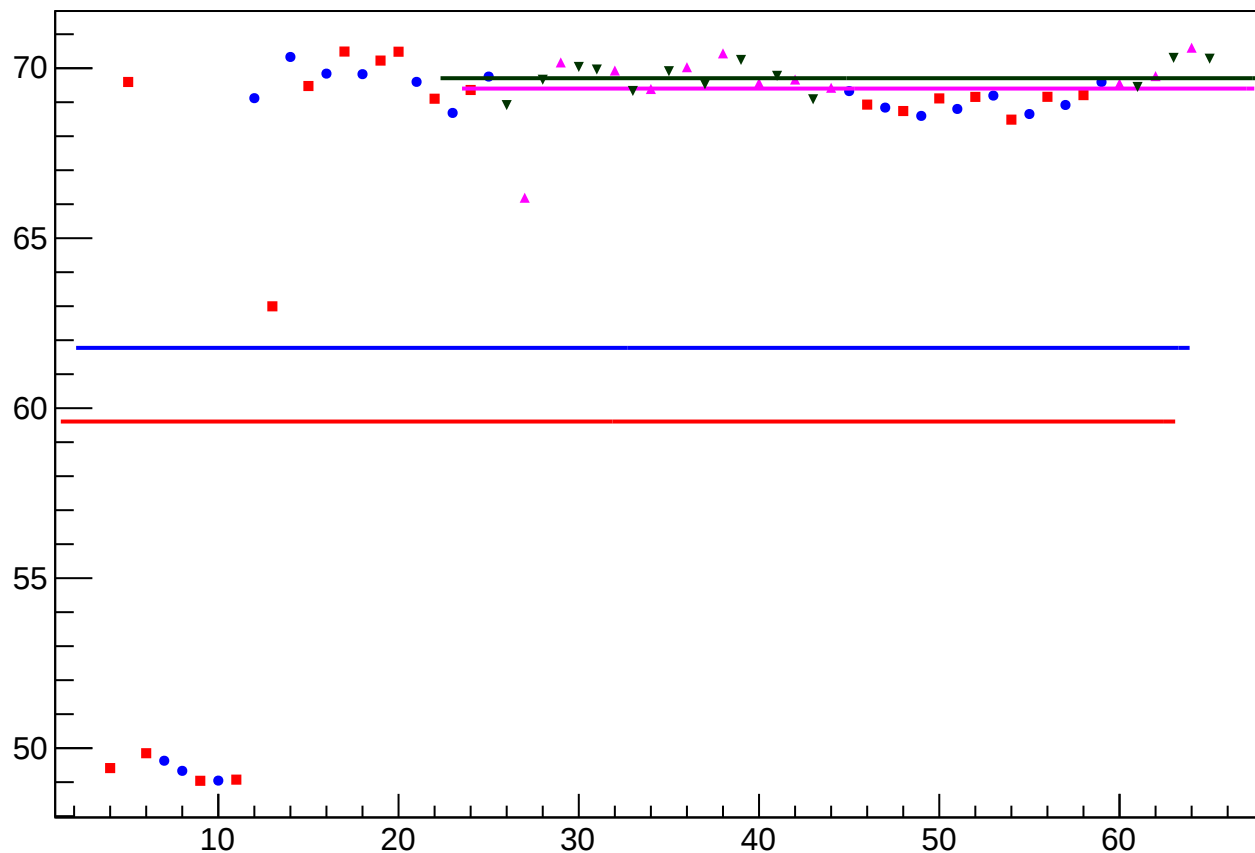
Right Out: 0.170+/-0.000 χ^2/NDF : 1183604.4/18

Left In: 0.198+/-0.000 χ^2/NDF :173823.2/11

0.188+/-0.000 χ^2/NDF : 1459191.1/30

0.180+/-0.000 χ^2/NDF : 1527597.0/30

yield_bcm_dg_ds_mean vs slug



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

Left Out: 69.706+/-0.000 χ^2/NDF : 30090635.2/12

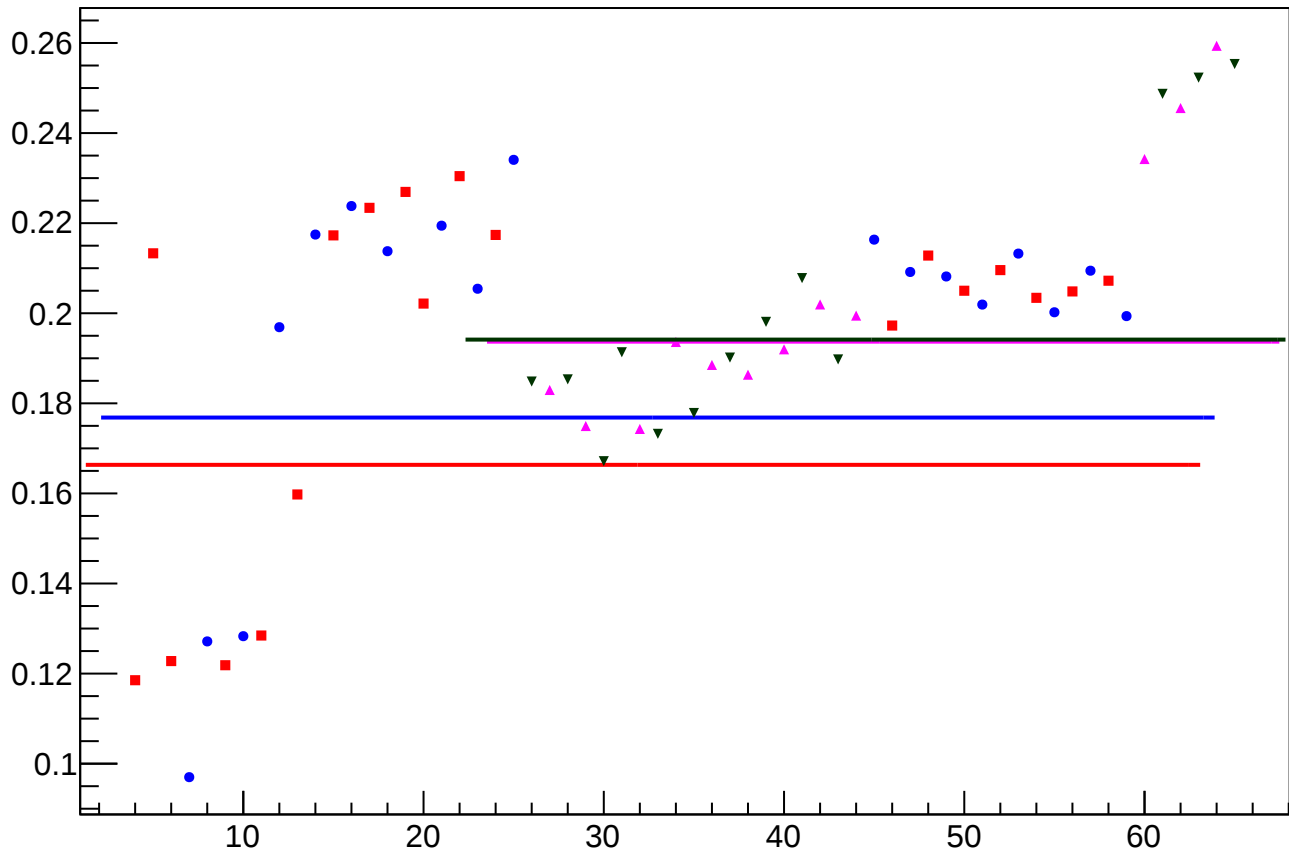
Right Out: 59.608+/-0.000 χ^2/NDF : 29547406430.8/18

Left In: 69.402+/-0.000 χ^2/NDF : 309041270.6/11

64.506+/-0.000 χ^2/NDF : 38119265937.8/30

63.172+/-0.000 χ^2/NDF : 41044798701.9/30

yield_bcm_dg_ds_rms vs slug



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

Left Out: 0.194+/-0.000 χ^2/NDF : 212591.8/12

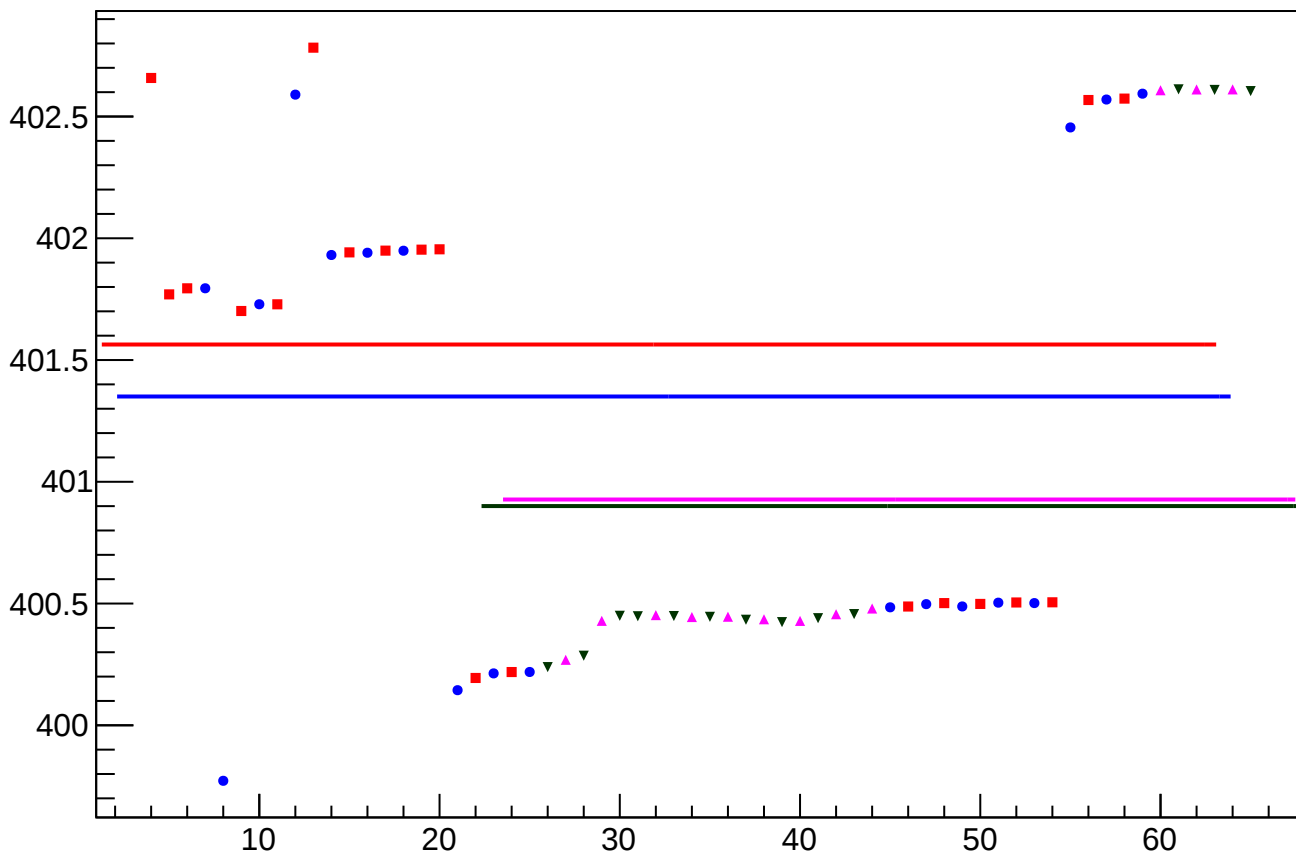
0.183+/-0.000 χ^2/NDF : 1557055.5/30

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

0.176+/-0.000 χ^2/NDF : 1524186.9/30

Left In: 0.194+/-0.000 χ^2/NDF : 193253.2/11

yield_cav4bQ_mean vs slug



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

Left Out: 400.900+/-0.000 χ^2/NDF : 127237278013.8/12

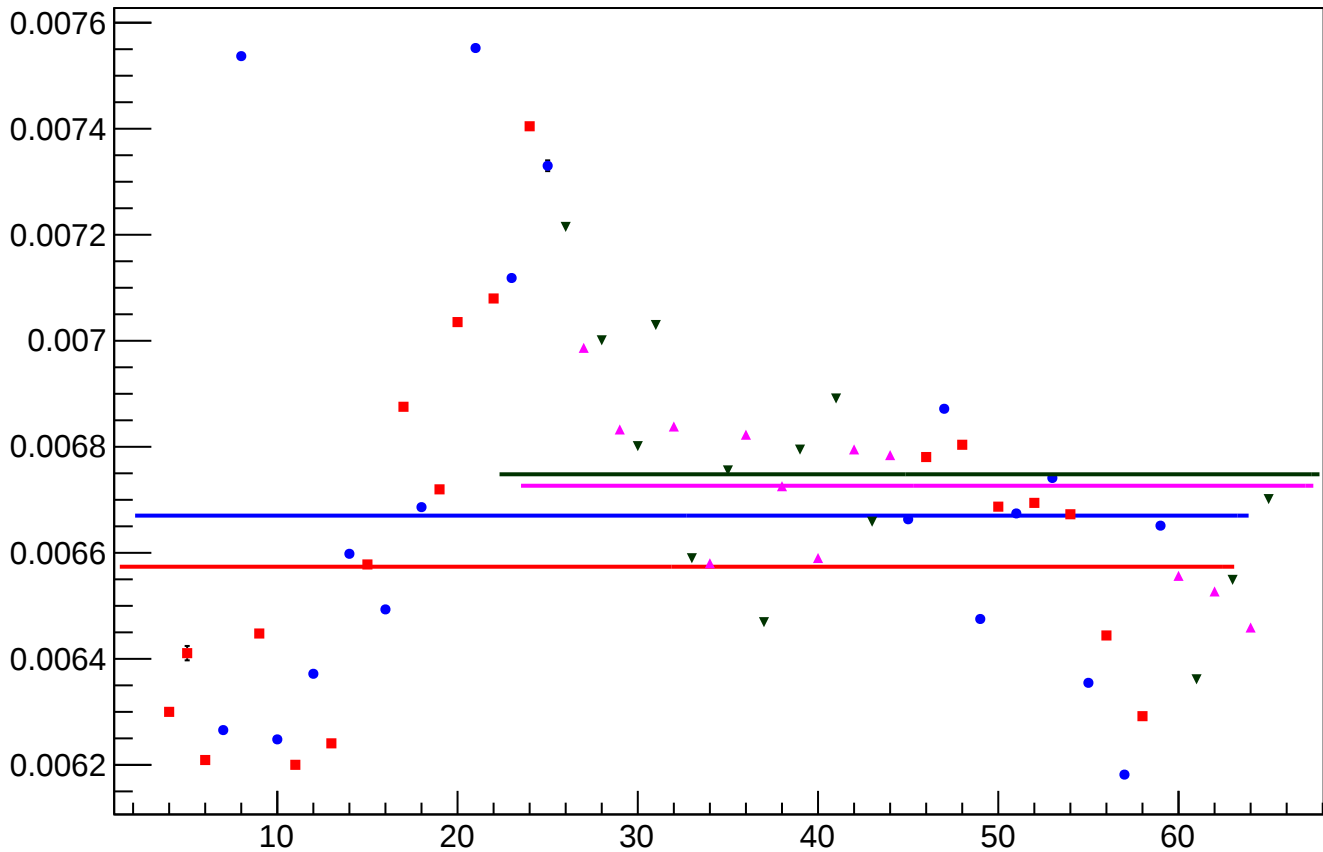
Right Out: 401.564+/-0.000 χ^2/NDF : 183973928948.5/18

Left In: 400.927+/-0.000 χ^2/NDF : 136270861050.1/11

401.182+/-0.000 χ^2/NDF : 381338833369.9/30

401.304+/-0.000 χ^2/NDF : 358410271636.5/30

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 :14790.7/12

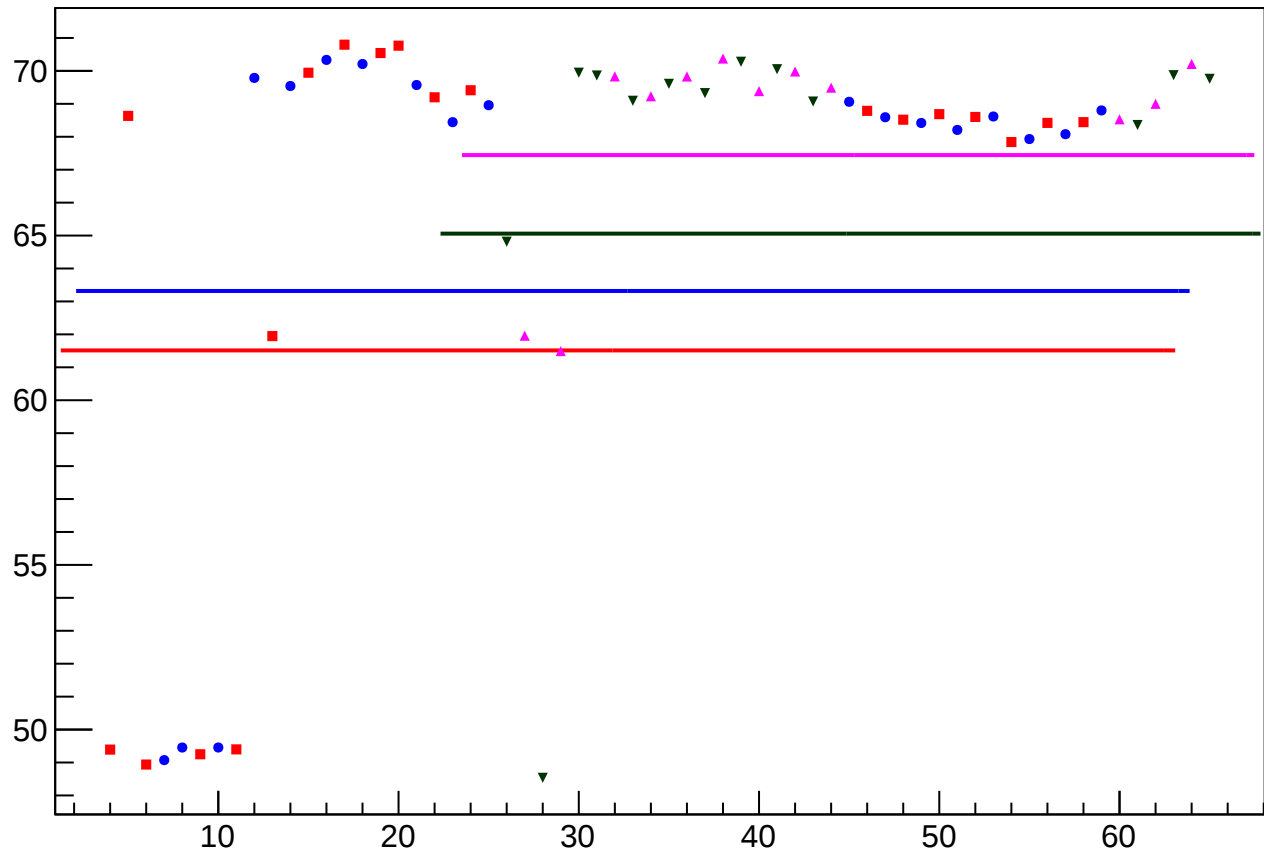
0.007+/-0.000 χ^2/NDF : 92614.0/30

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

0.007+/-0.000 χ^2/NDF : 60105.3/30

Left In: 0.007+/-0.000 χ^2/NDF :8027.7/11

yield_cav4cQ_mean vs slug



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

Left Out: 65.059+/-0.000 χ^2/NDF : 9050922592.9/12

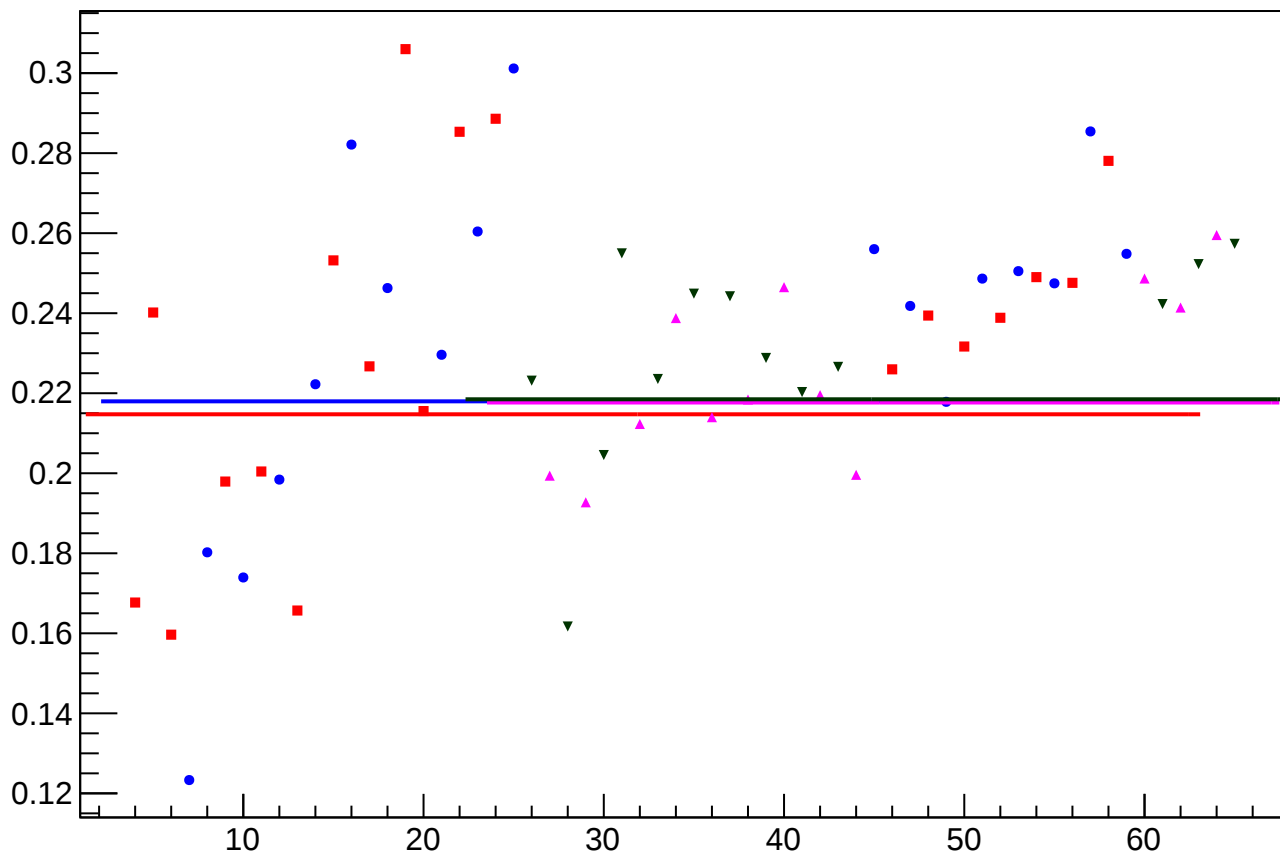
63.978+/-0.000 χ^2/NDF : 26341459565.5/30

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

64.044+/-0.000 χ^2/NDF : 19906176603.8/30

Left In: 67.444+/-0.000 χ^2/NDF : 1760194288.4/11

yield_cav4cQ_rms vs slug



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

Left Out: 0.218+/-0.000 χ^2/NDF :260288.5/12

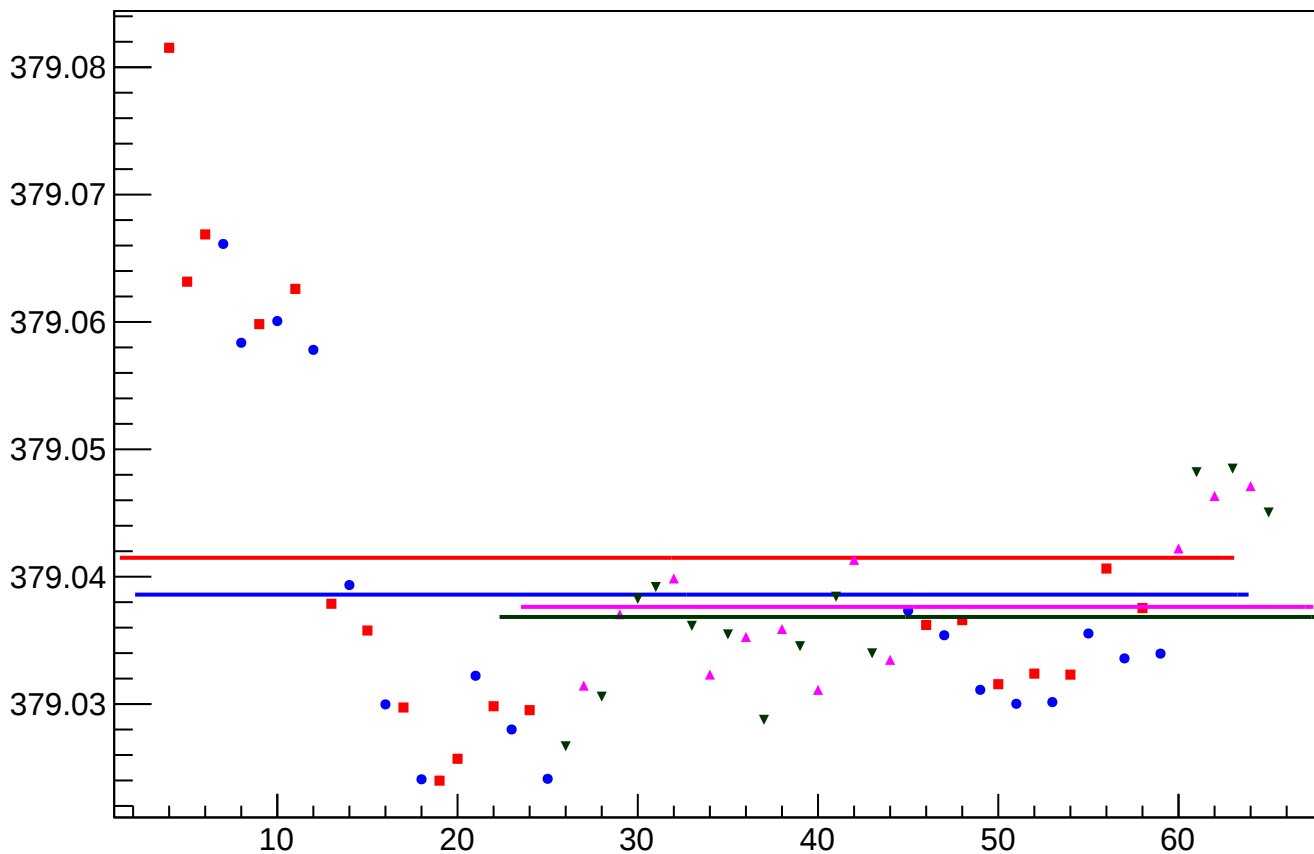
Right Out: 0.215+/-0.000 χ^2/NDF : 631176.3/18

Left In: 0.218+/-0.000 χ^2/NDF :118716.9/11

0.218+/-0.000 χ^2/NDF : 994959.9/30

0.216+/-0.000 χ^2/NDF : 751271.8/30

yield_cav4dQ_mean vs slug



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

Left Out: 379.037 $\pm$ 0.000 χ^2 /NDF:6077208.9/12

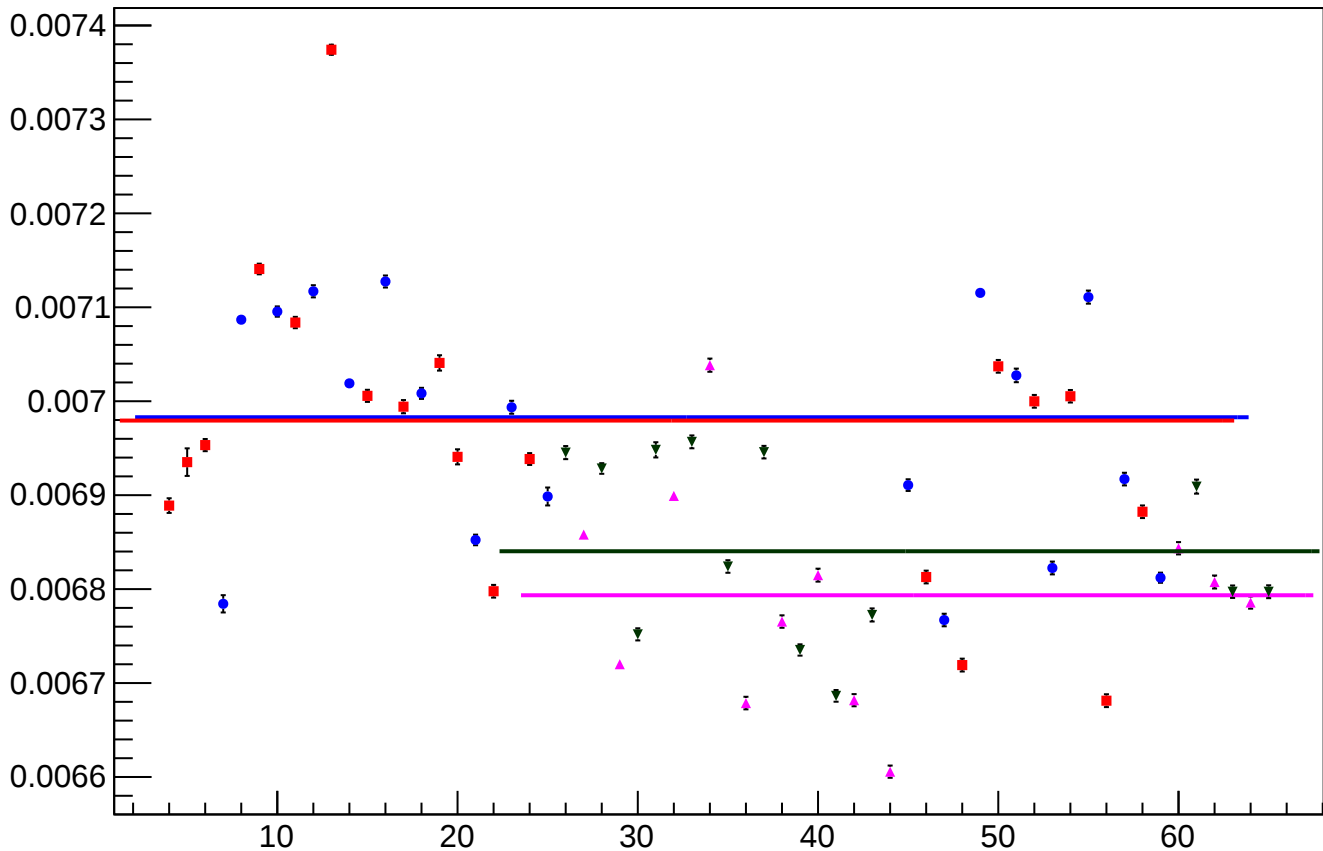
379.038 $\pm$ 0.000 χ^2 /NDF: 40128628.8/30

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

379.040 $\pm$ 0.000 χ^2 /NDF: 51674806.4/30

Left In: 379.038 $\pm$ 0.000 χ^2 /NDF:4074980.2/11

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 : 2547.2/12

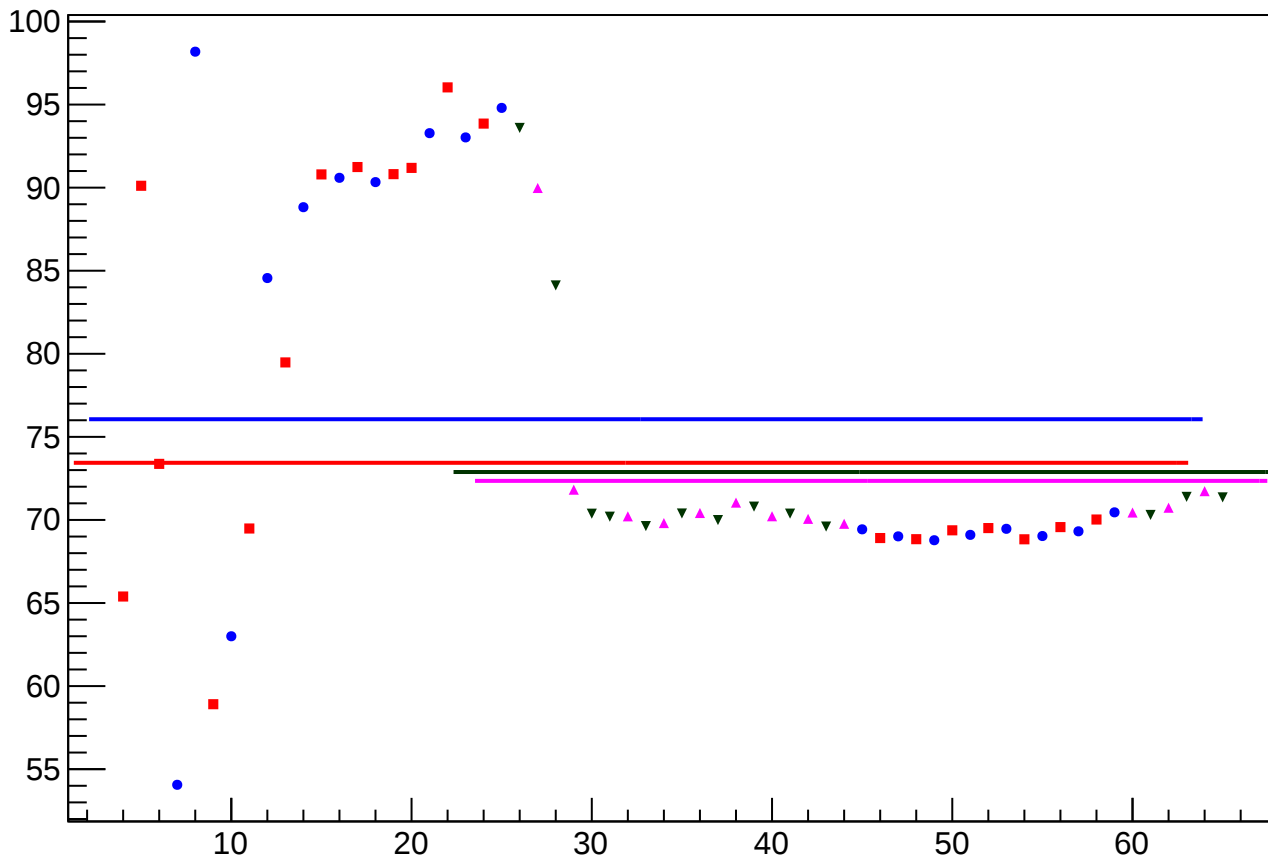
0.007 ± 0.000 χ^2/NDF : 12887.9/30

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

0.007 ± 0.000 χ^2/NDF : 21387.5/30

Left In: 0.007 ± 0.000 χ^2/NDF : 3499.3/11

yield_bcm0l02_mean vs slug



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

Left Out: 72.885+/-0.000 χ^2/NDF : 3789886420.4/12

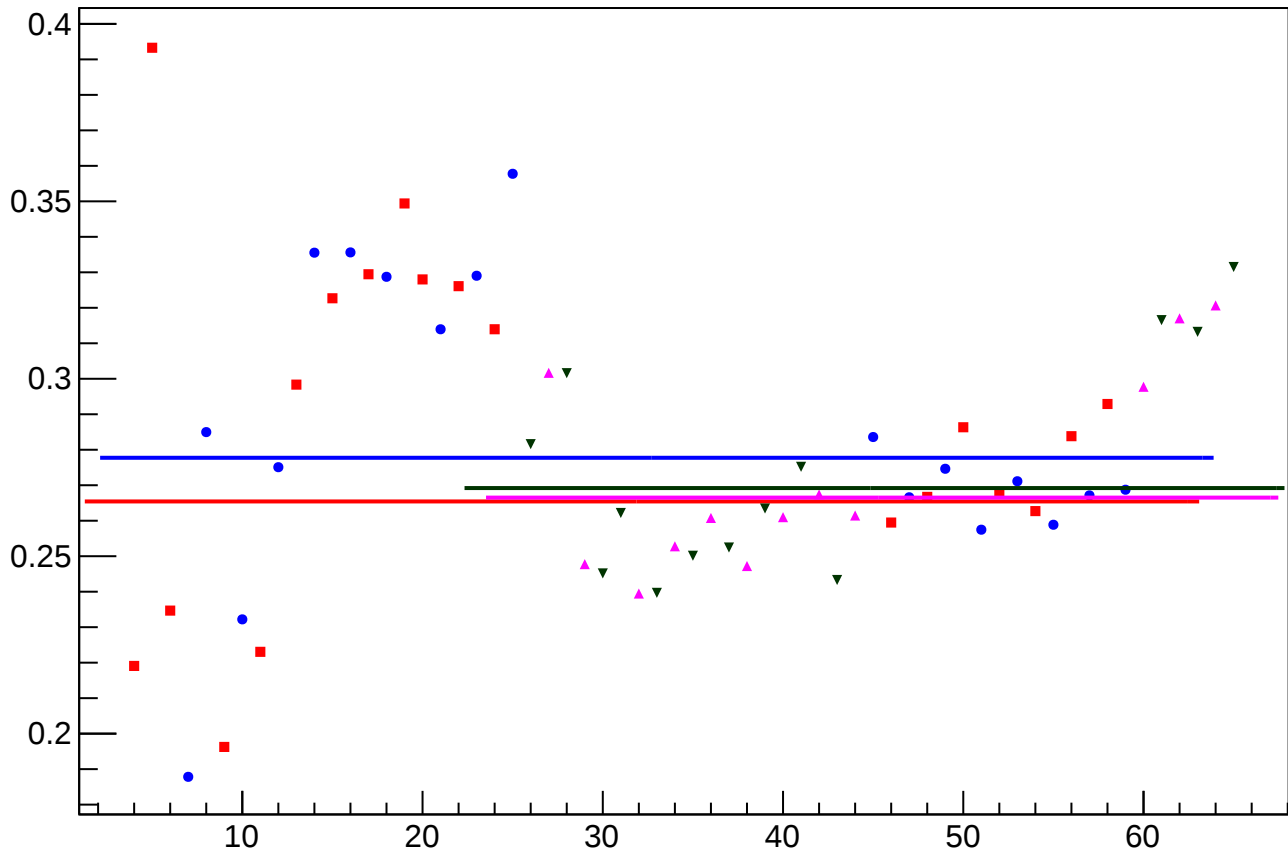
Right Out: 73.439+/-0.000 χ^2/NDF : 14741427319.0/18

Left In: 72.351+/-0.000 χ^2/NDF : 2970434891.5/11

74.804+/-0.000 χ^2/NDF : 25106718689.0/30

72.970+/-0.000 χ^2/NDF : 17775548005.3/30

yield_bcm0l02_rms vs slug



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

Left Out: 0.269+/-0.000 χ^2/NDF :133392.9/12

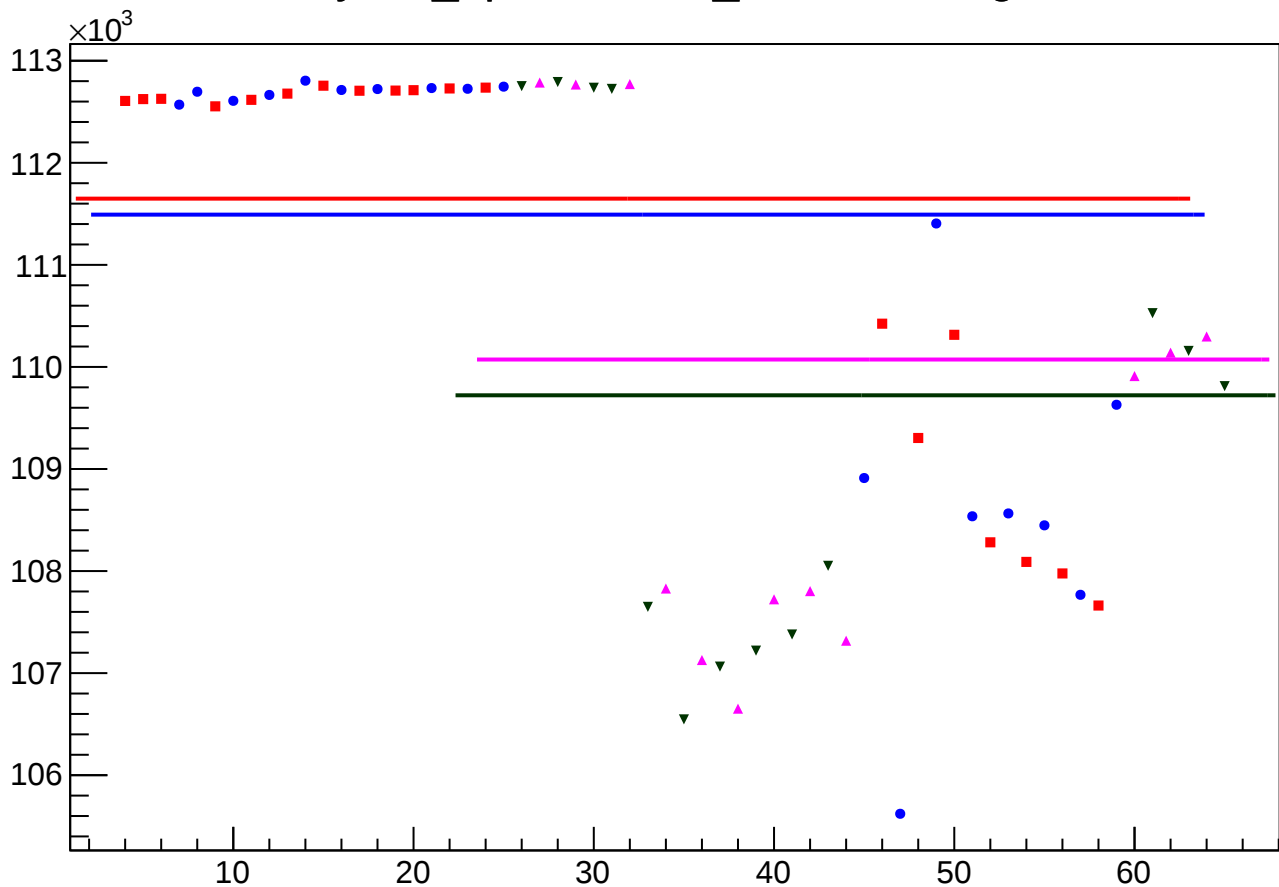
0.274+/-0.000 χ^2/NDF : 511279.0/30

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

0.266+/-0.000 χ^2/NDF : 629980.2/30

Left In: 0.267+/-0.000 χ^2/NDF :126271.9/11

yield_bpm2i01WS_mean vs slug



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

Left Out: 109722.103 $\pm$ 0.049 χ^2 /NDF: 2700299423.9/12

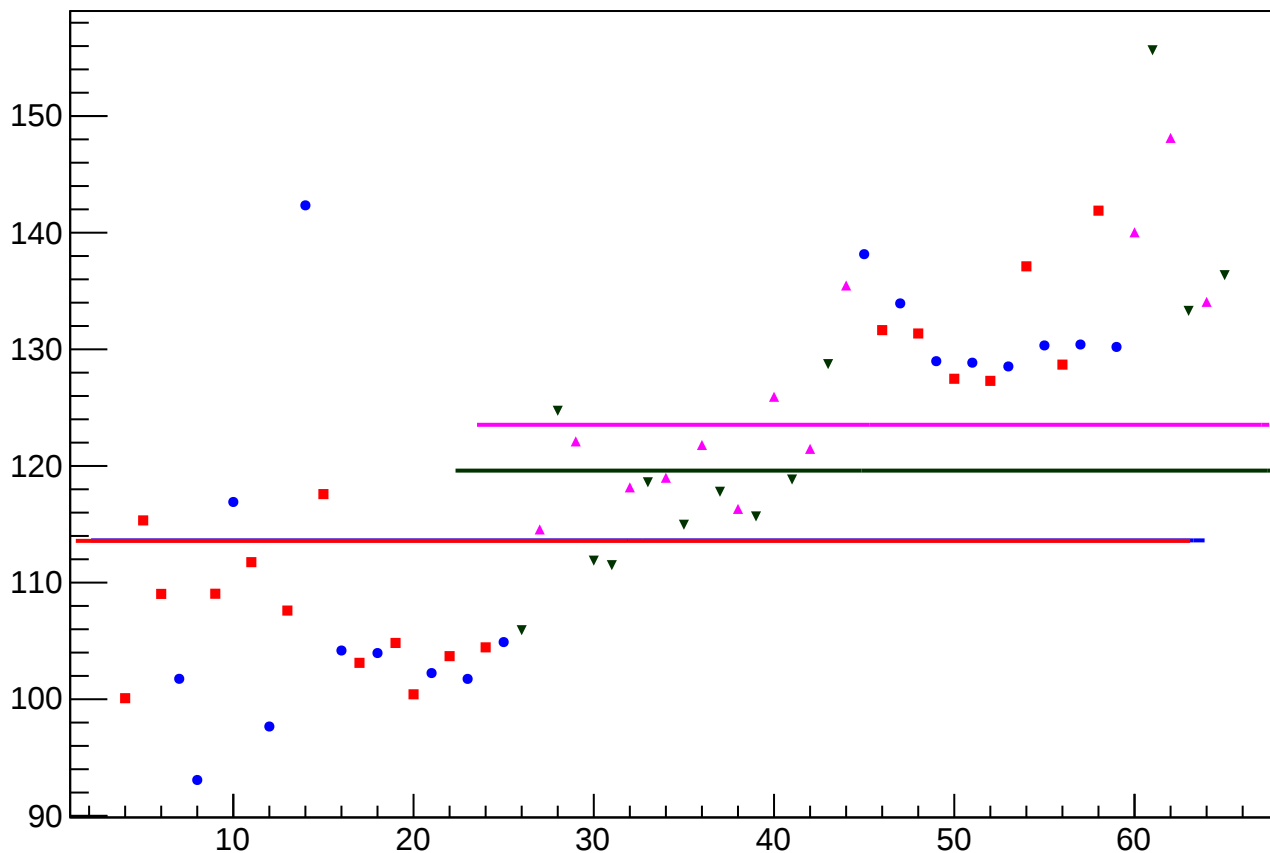
Right Out: 111648.935 $\pm$ 0.037 χ^2 /NDF: 2298631932.7/18

Left In: 110072.653 $\pm$ 0.049 χ^2 /NDF: 2591998580.6/11

110890.810 $\pm$ 0.028 χ^2 /NDF: 6743811463.5/30

111067.384 $\pm$ 0.030 χ^2 /NDF: 5551776128.0/30

yield_bpm2i01WS_rms vs slug



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

Left Out: 119.602 $\pm$ 0.034 χ^2 /NDF:84834.3/12

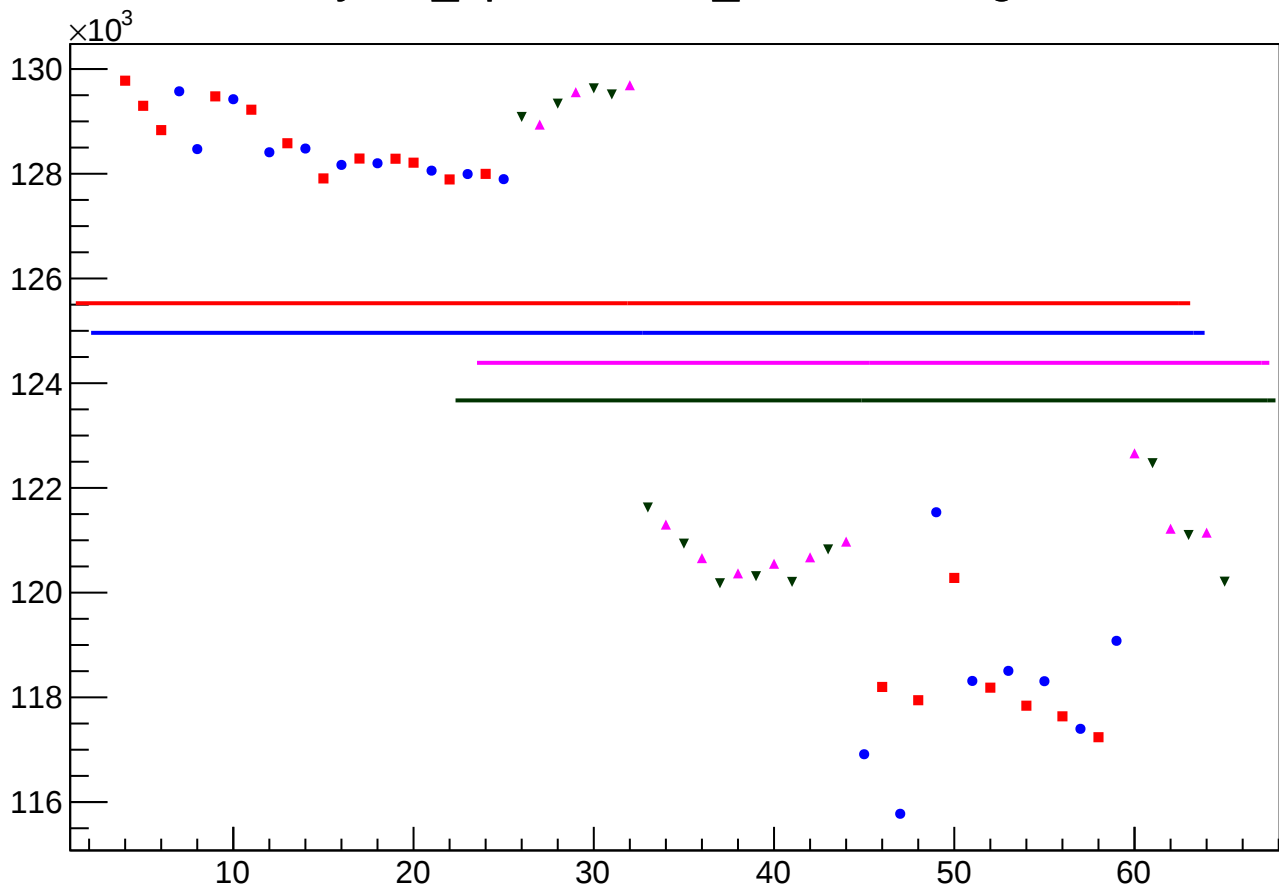
Right Out: 113.579 $\pm$ 0.026 χ^2 /NDF: 206805.2/18

Left In: 123.530 $\pm$ 0.034 χ^2 /NDF:64148.8/11

115.652 $\pm$ 0.020 χ^2 /NDF: 527104.1/30

117.251 $\pm$ 0.021 χ^2 /NDF: 323645.5/30

yield_bpm0i07WS_mean vs slug



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

Left Out: 123671.356 $\pm$ 0.084 χ^2 /NDF: 2456504828.5/12

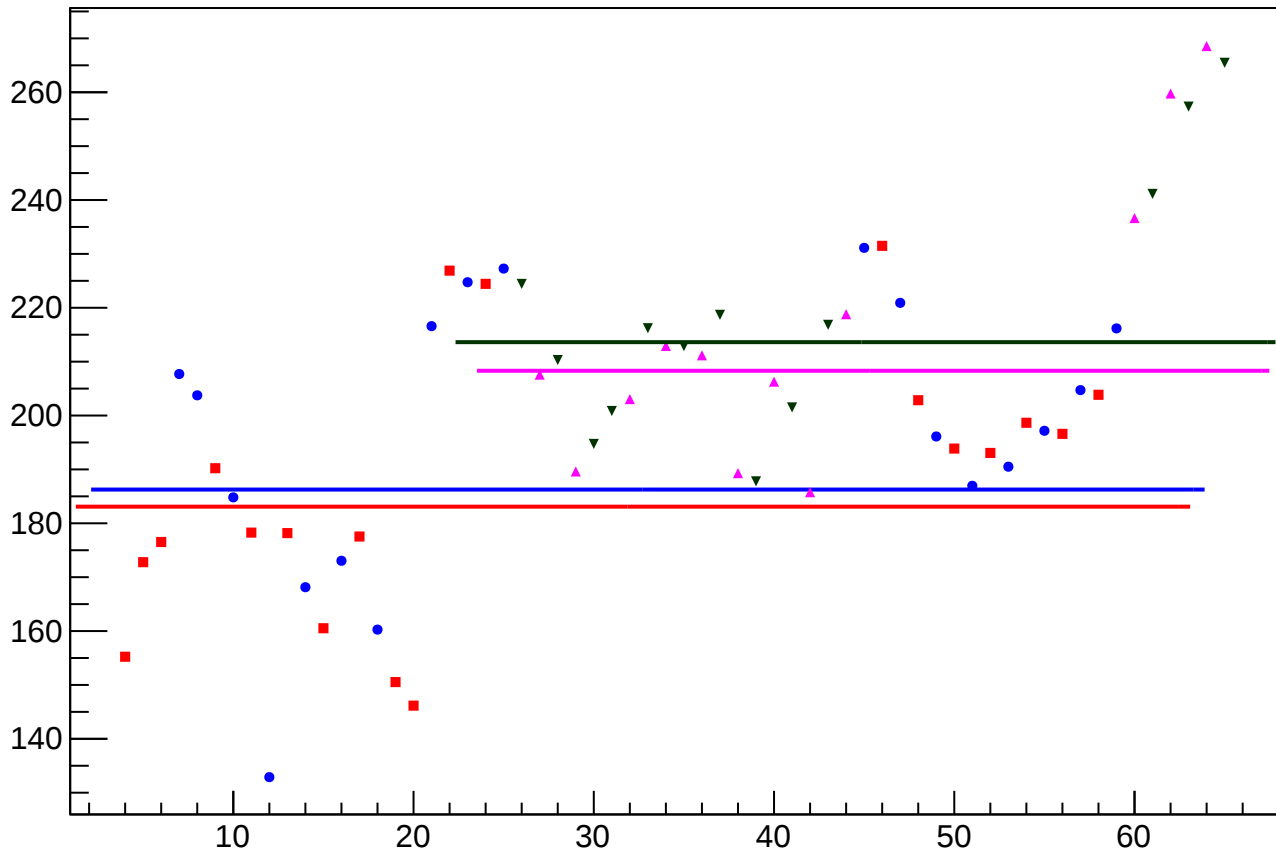
Right Out: 125527.018 $\pm$ 0.060 χ^2 /NDF: 6545248421.9/18

Left In: 124388.980 $\pm$ 0.079 χ^2 /NDF: 2795922938.3/11

124553.779 $\pm$ 0.047 χ^2 /NDF: 9835922553.8/30

125114.127 $\pm$ 0.048 χ^2 /NDF: 9473697808.6/30

yield_bpm0i07WS_rms vs slug



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

Left Out: 213.619 ± 0.059 χ^2/NDF : 119792.5/12

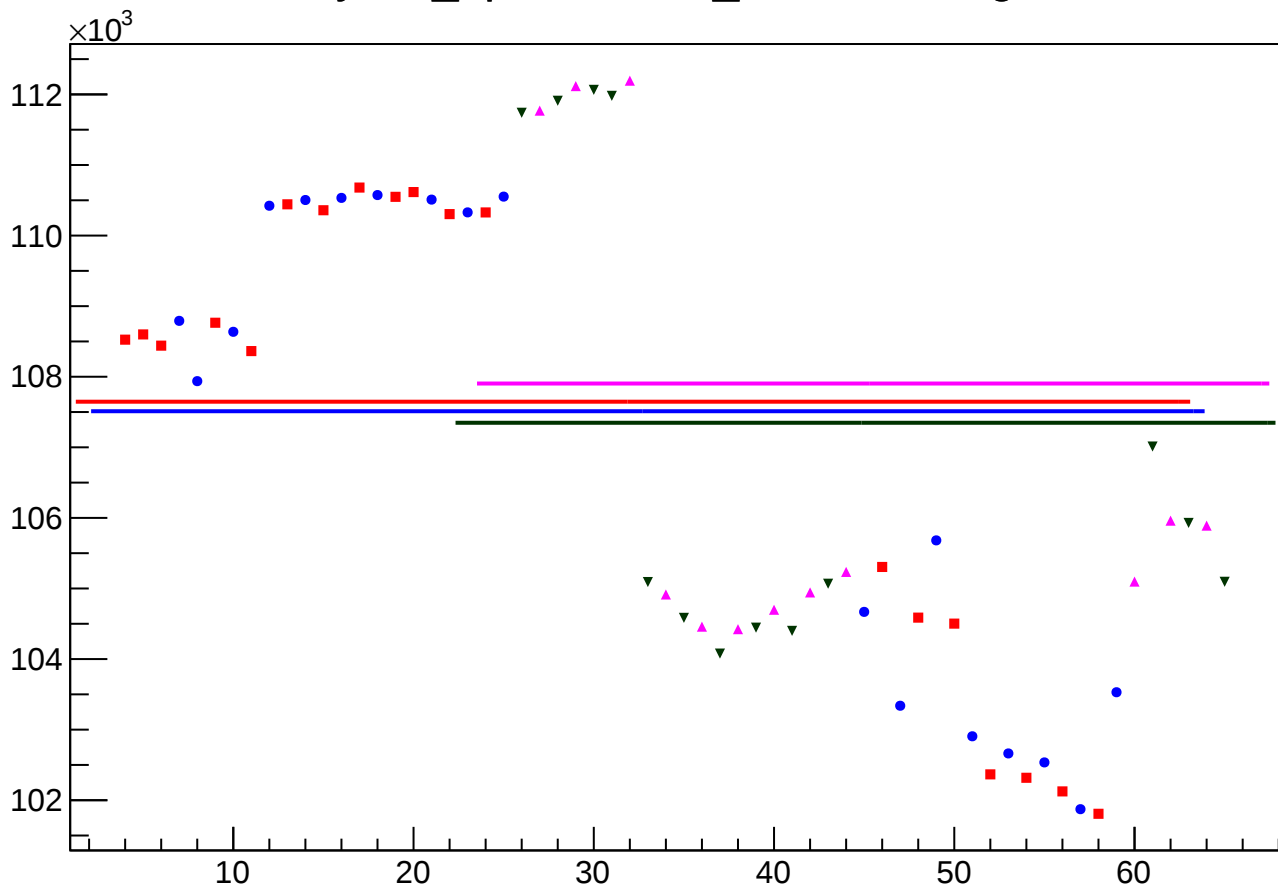
Right Out: 183.088 ± 0.042 χ^2/NDF : 276420.3/18

Left In: 208.309 ± 0.056 χ^2/NDF : 145168.0/11

194.911 ± 0.033 χ^2/NDF : 728902.3/30

192.239 ± 0.034 χ^2/NDF : 551769.1/30

yield_bpm0l01WS_mean vs slug



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

Left Out: 107347.823 $\pm$ 0.047 χ^2 /NDF: 5462722984.1/12

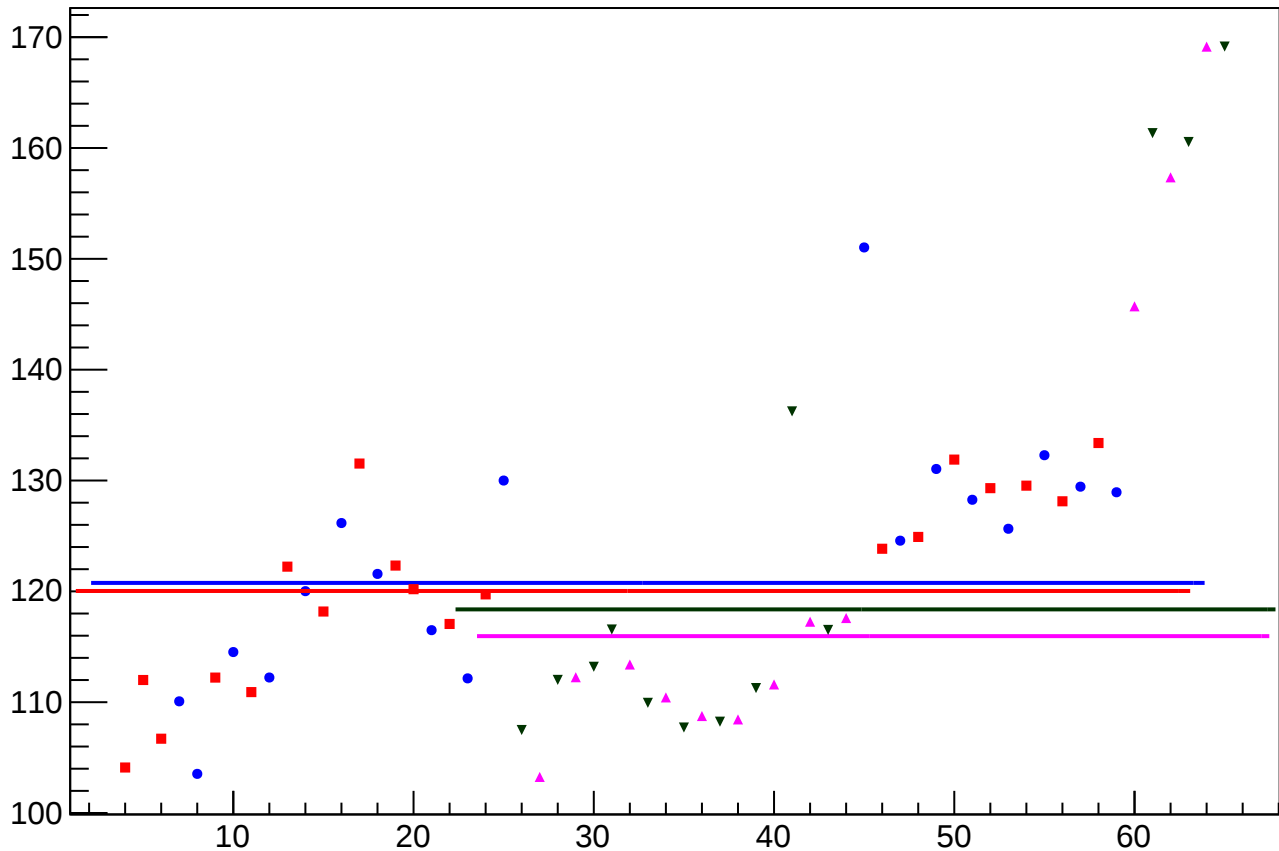
Right Out: 107646.372 $\pm$ 0.039 χ^2 /NDF: 6547636060.9/18

Left In: 107903.885 $\pm$ 0.044 χ^2 /NDF: 6349619643.3/11

107449.141 $\pm$ 0.029 χ^2 /NDF: 13015692093.0/3

107758.942 $\pm$ 0.029 χ^2 /NDF: 12916389805.5/3

yield_bpm0l01WS_rms vs slug



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

Left Out: 118.374 ± 0.033 χ^2/NDF : 269193.0/12

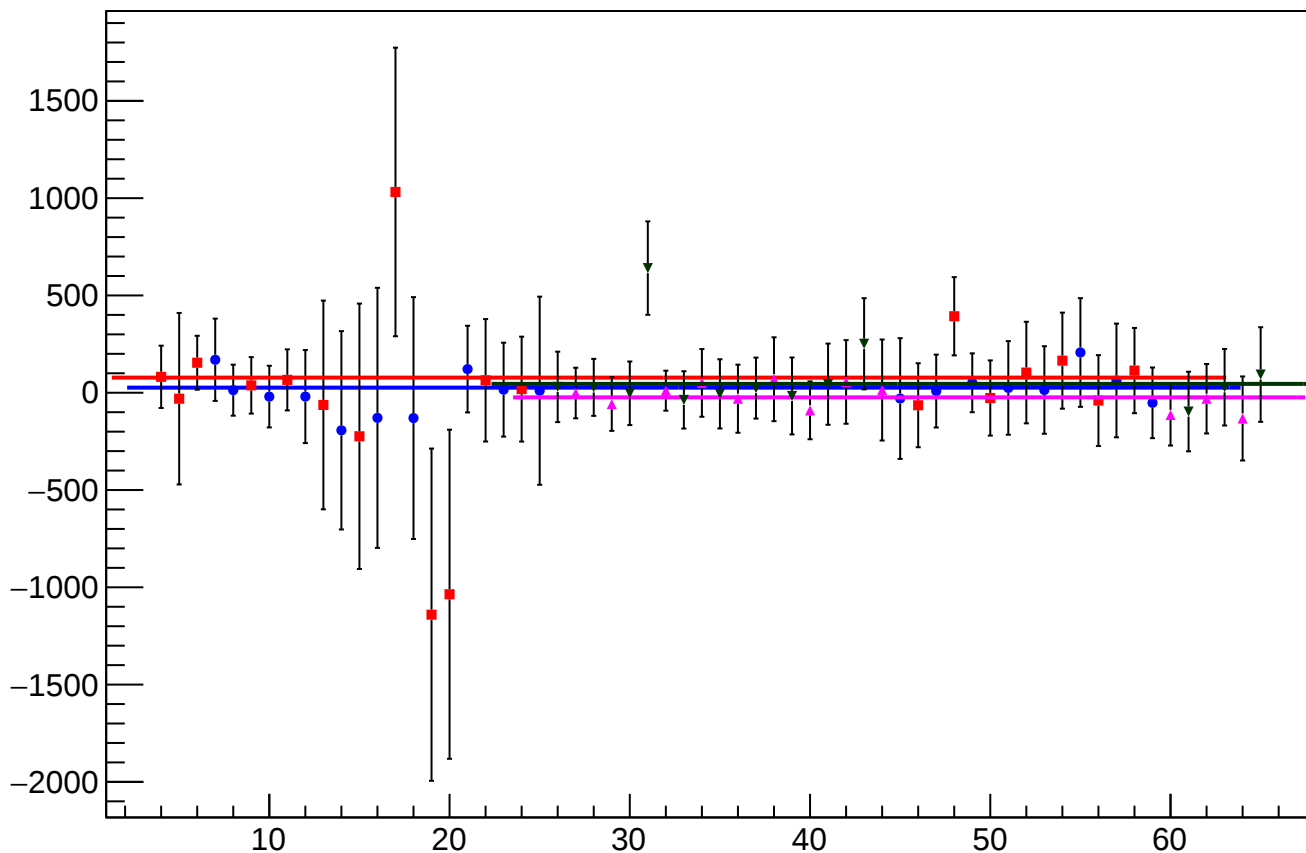
Right Out: 120.035 ± 0.028 χ^2/NDF : 93920.3/18

Left In: 115.960 ± 0.031 χ^2/NDF : 241908.9/11

119.854 ± 0.020 χ^2/NDF : 428171.0/30

118.254 ± 0.021 χ^2/NDF : 345409.3/30

asym_bcm_an_ds_mean vs slug



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

Left Out: 45.507+/-51.043 χ^2/NDF : 8.1/12

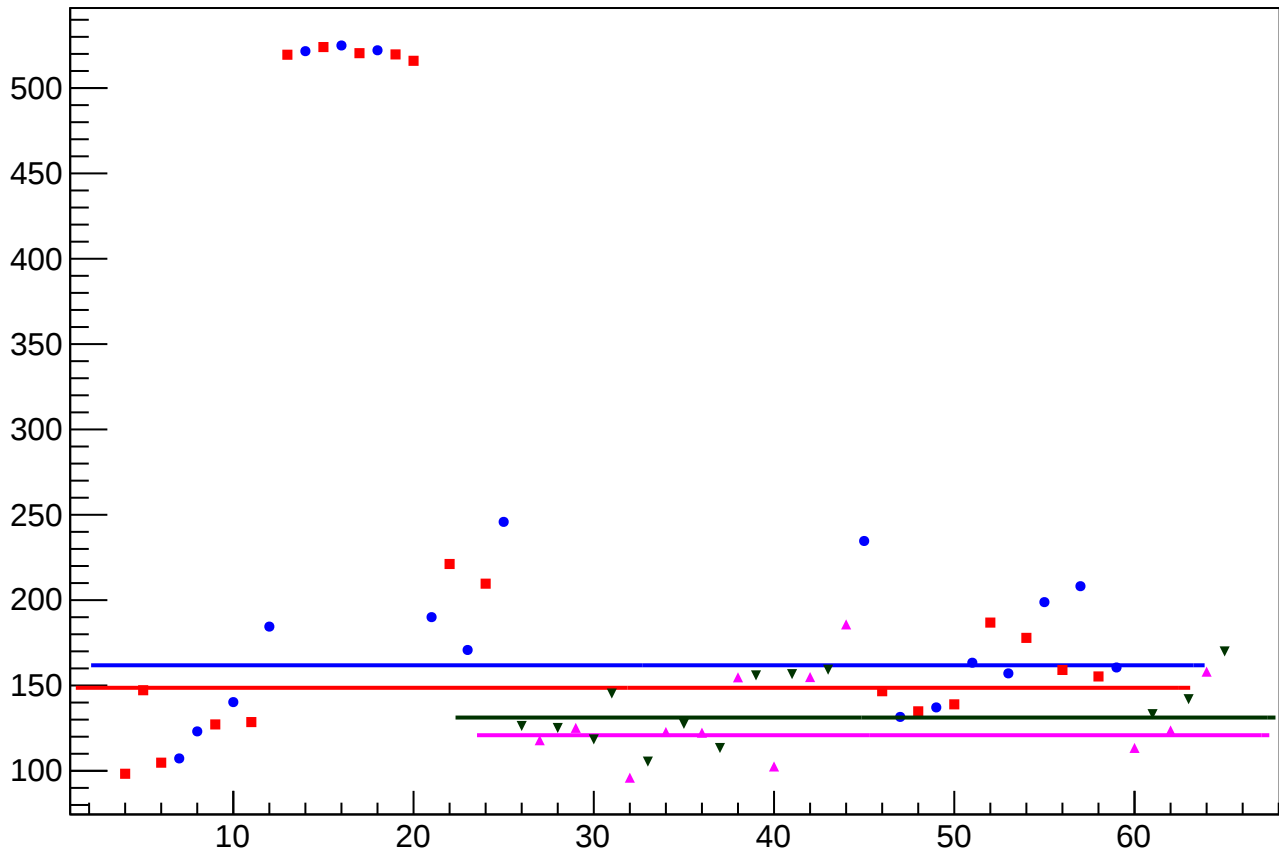
Right Out: 77.703+/-52.586 χ^2/NDF : 9.8/18

Left In: -23.627+/-46.192 χ^2/NDF : 1.5/11

36.149+/-36.601 χ^2/NDF : 9.9/30

20.506+/-34.704 χ^2/NDF : 13.4/30

asym_bcm_an_ds_rms vs slug



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

Left Out: 131.217+/-0.036 χ^2/NDF :258770.5/12

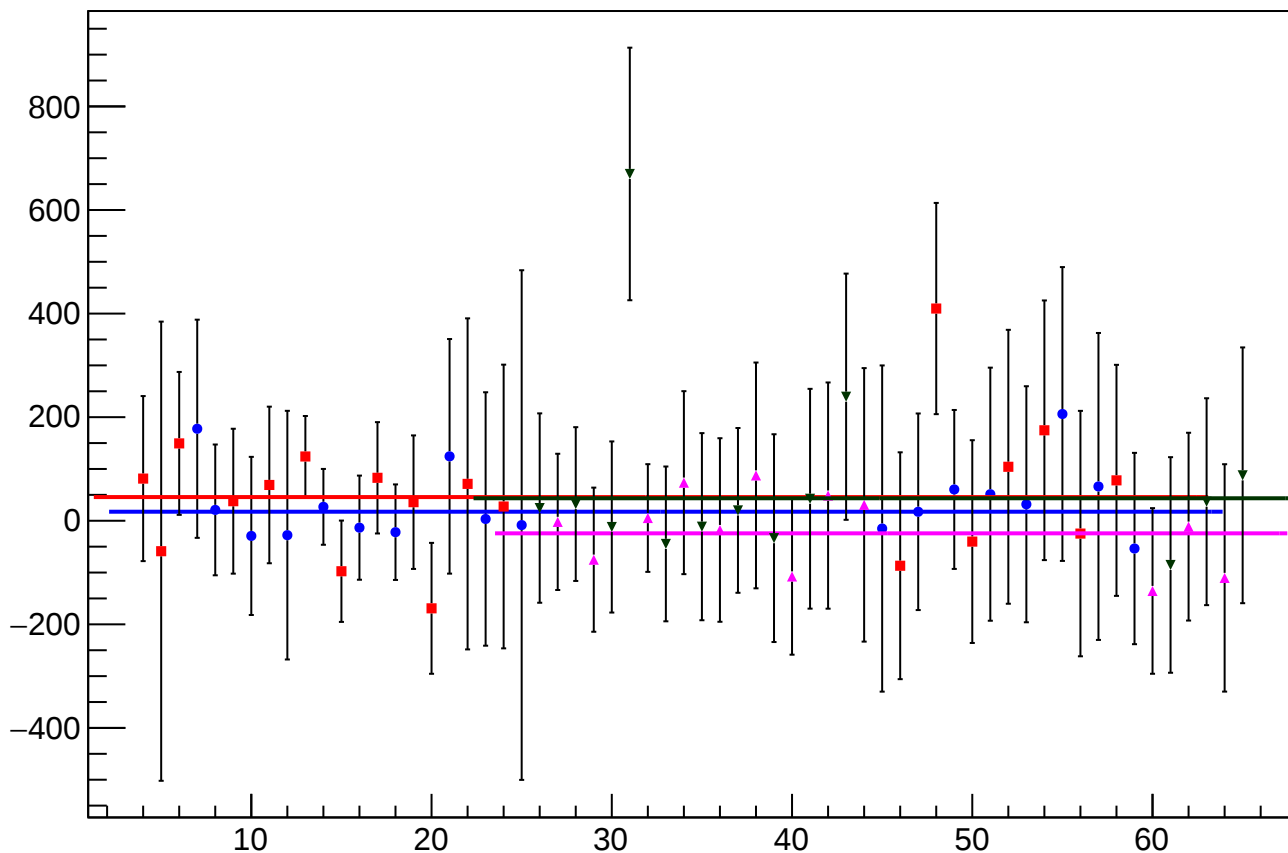
146.092+/-0.026 χ^2/NDF : 3627248.0/30

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

132.964+/-0.025 χ^2/NDF : 4349699.2/30

Left In: 120.864+/-0.033 χ^2/NDF :439999.0/11

asym_bcm_an_ds3_mean vs slug



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

Left Out: 43.420 ± 51.778 χ^2/NDF : 8.4/12

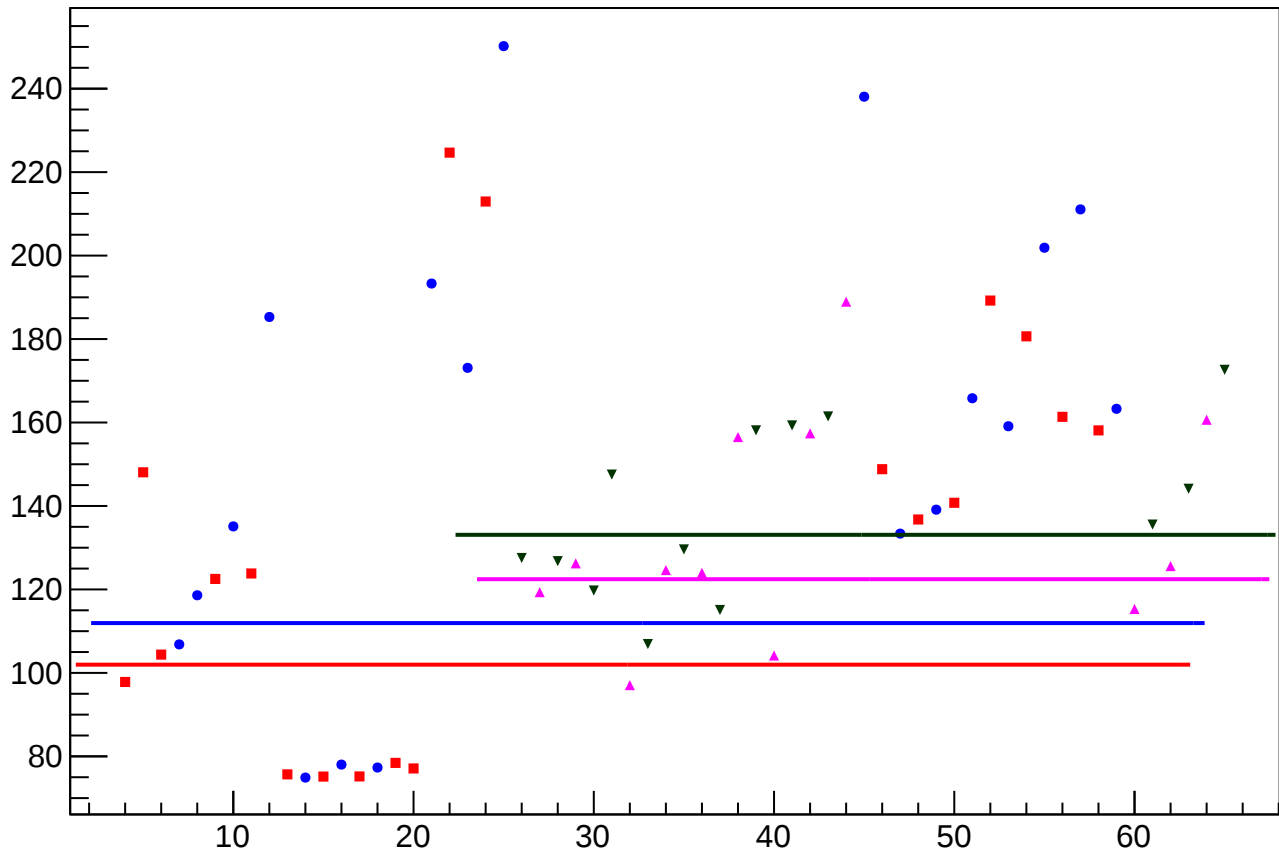
Right Out: 45.735 ± 34.677 χ^2/NDF : 11.0/18

Left In: -24.288 ± 46.812 χ^2/NDF : 1.9/11

26.018 ± 29.731 χ^2/NDF : 10.6/30

20.924 ± 27.865 χ^2/NDF : 14.4/30

asym_bcm_an_ds3_rms vs slug



Right In: 111.942+/-0.026 χ^2/NDF : 2972725.0/17

Left Out: 133.088+/-0.037 χ^2/NDF : 261118.5/12

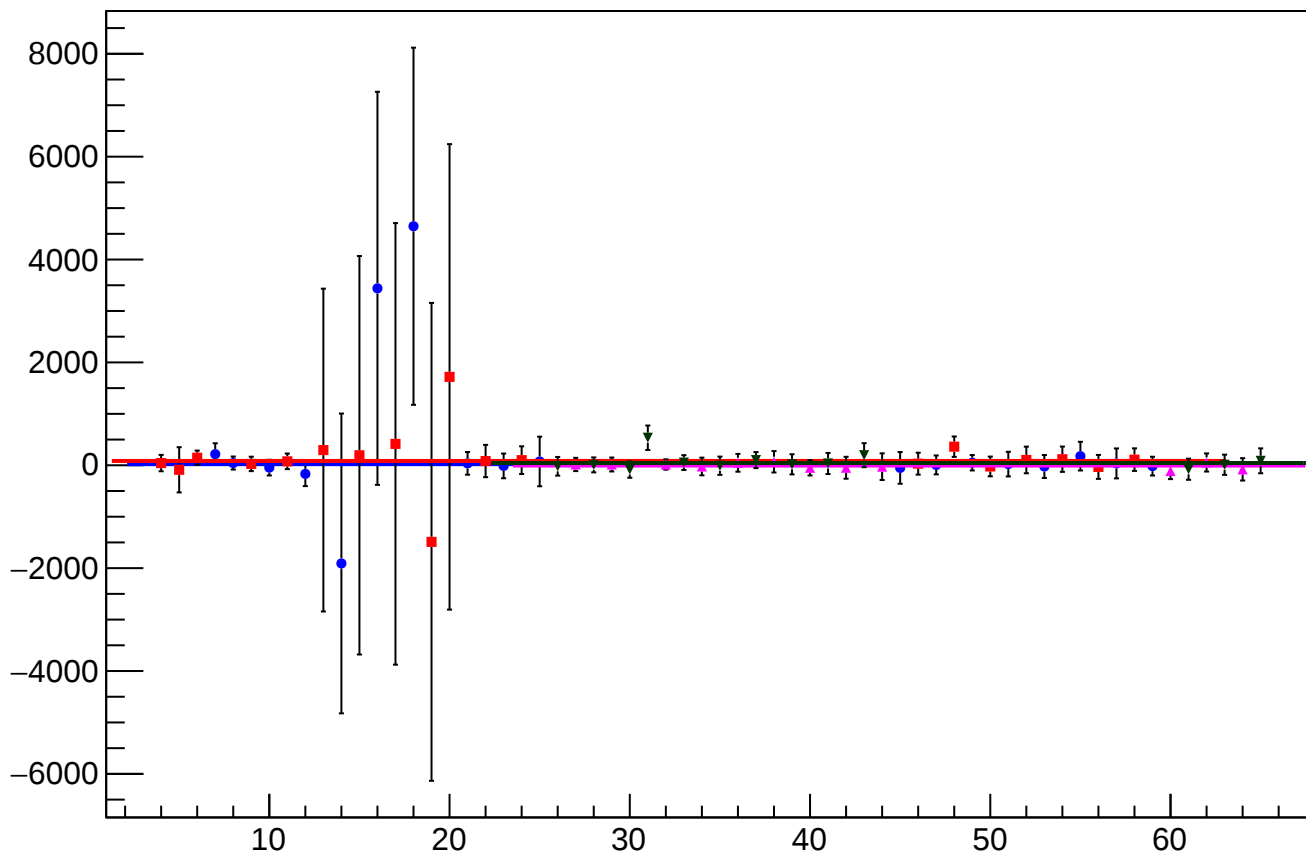
Right Out: 101.974+/-0.025 χ^2/NDF : 2271871.2/18

Left In: 122.451+/-0.033 χ^2/NDF : 443715.4/11

118.914+/-0.021 χ^2/NDF : 3457440.4/30

109.229+/-0.020 χ^2/NDF : 2962705.2/30

asym_bcm_an_us_mean vs slug



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

Left Out: 44.379+/-50.662 χ^2/NDF : 6.1/12

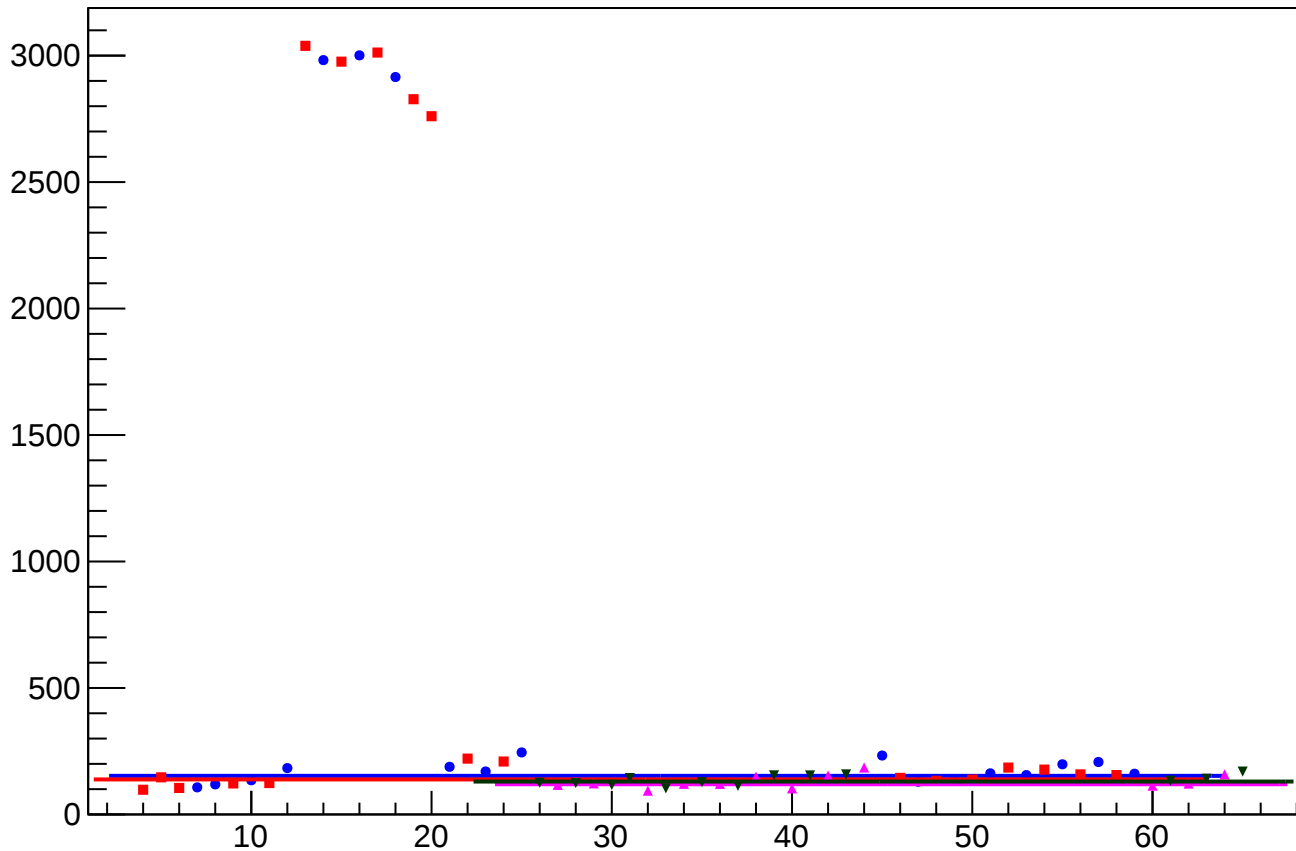
Right Out: 84.092+/-52.636 χ^2/NDF : 3.5/18

Left In: -4.977+/-45.686 χ^2/NDF : 1.1/11

33.449+/-36.411 χ^2/NDF : 11.5/30

33.293+/-34.502 χ^2/NDF : 6.2/30

asym_bcm_an_us_rms vs slug



Right In: 152.628+/-0.037 χ^2/NDF : 5017627.8/17

Left Out: 130.085+/-0.036 χ^2/NDF : 267632.6/12

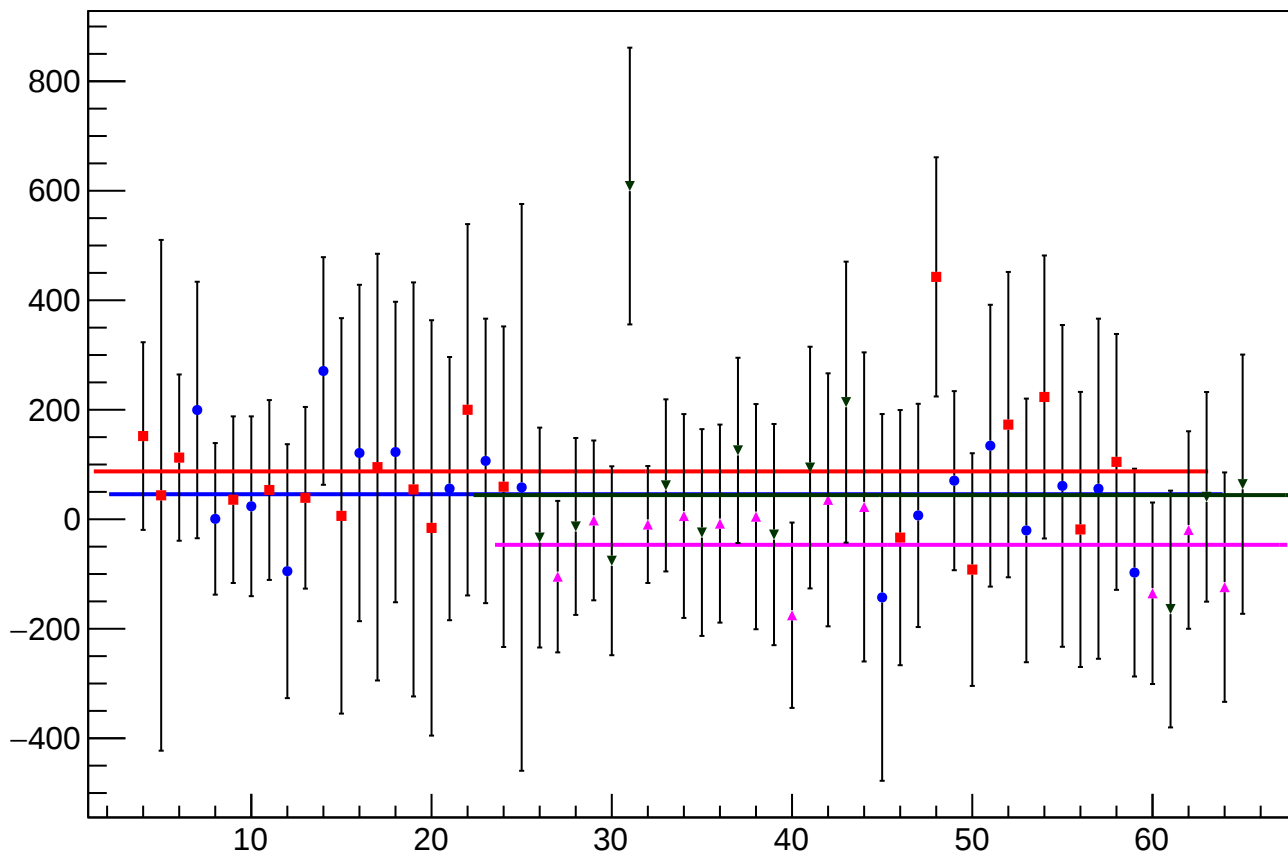
140.984+/-0.026 χ^2/NDF : 5476726.1/30

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

127.632+/-0.024 χ^2/NDF : 6327891.7/30

Left In: 119.479+/-0.032 χ^2/NDF : 445058.6/11

asym_bcm_dg_us_mean vs slug



Right In: 45.739 $\pm$ 52.604 χ^2 /NDF: 3.4/17

Left Out: 44.162 $\pm$ 54.030 χ^2 /NDF: 7.7/12

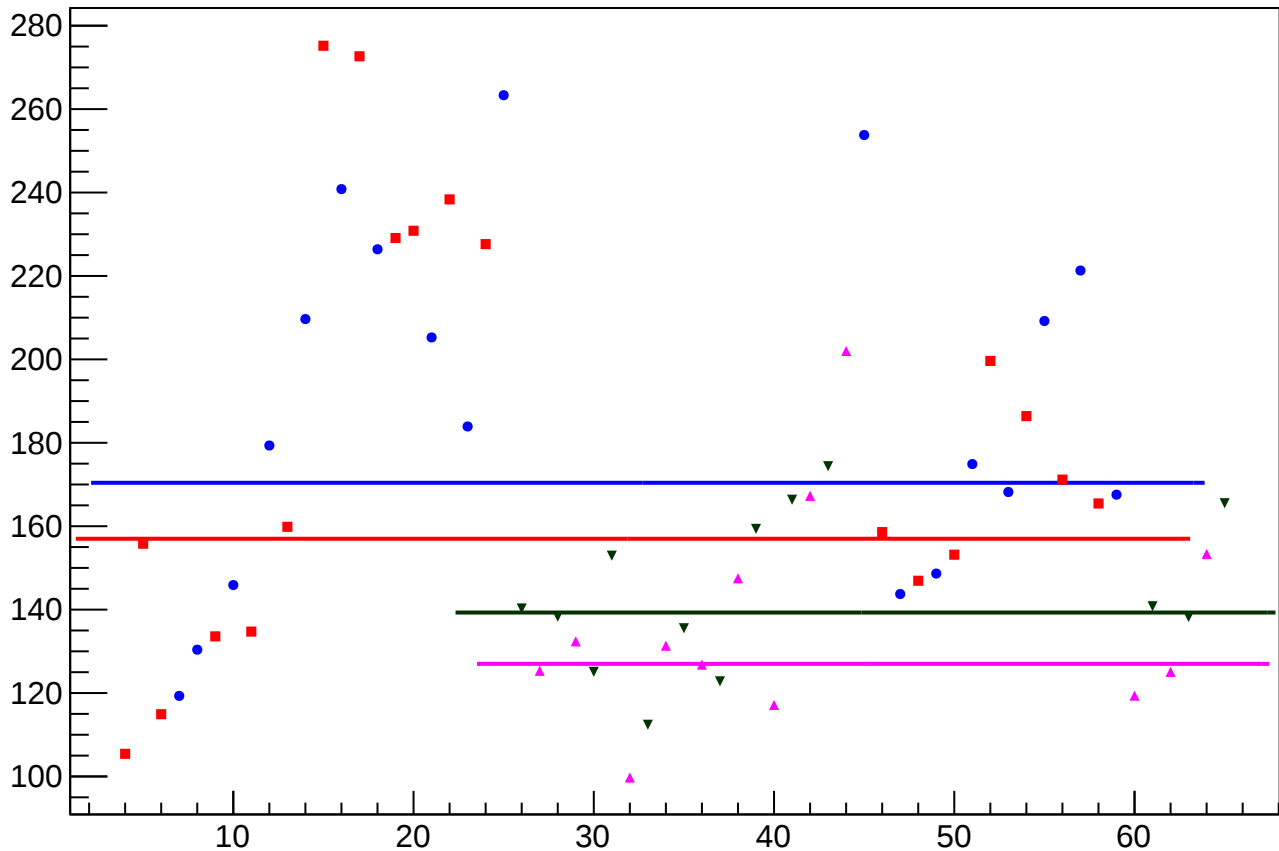
Right Out: 87.434 $\pm$ 51.940 χ^2 /NDF: 4.9/18

Left In: -46.674 $\pm$ 48.447 χ^2 /NDF: 1.8/11

44.972 $\pm$ 37.691 χ^2 /NDF: 11.1/30

15.718 $\pm$ 35.428 χ^2 /NDF: 10.2/30

asym_bcm_dg_us_rms vs slug



Right In: 170.412+/-0.037 χ^2/NDF : 964671.4/17

Left Out: 139.304+/-0.038 χ^2/NDF :209774.0/12

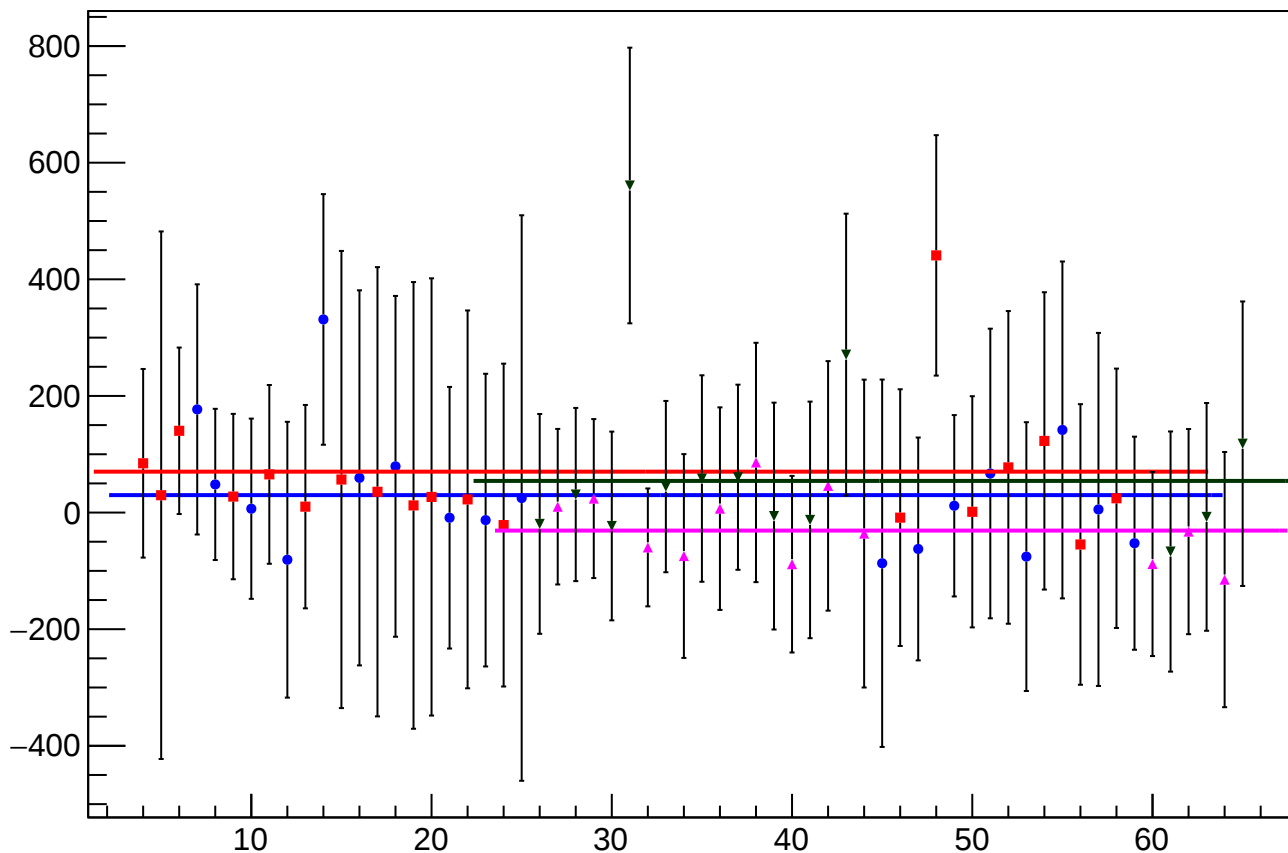
155.274+/-0.027 χ^2/NDF : 1514813.9/30

Right Out: 156.997+/-0.037 χ^2/NDF : 1276447.5/18

140.955+/-0.025 χ^2/NDF : 2032398.0/30

Left In: 126.998+/-0.034 χ^2/NDF :399172.7/11

asym_bcm_dg_ds_mean vs slug



Right In: 29.919+/-50.591 χ^2/NDF : 3.8/17

Left Out: 54.281+/-51.168 χ^2/NDF : 6.5/12

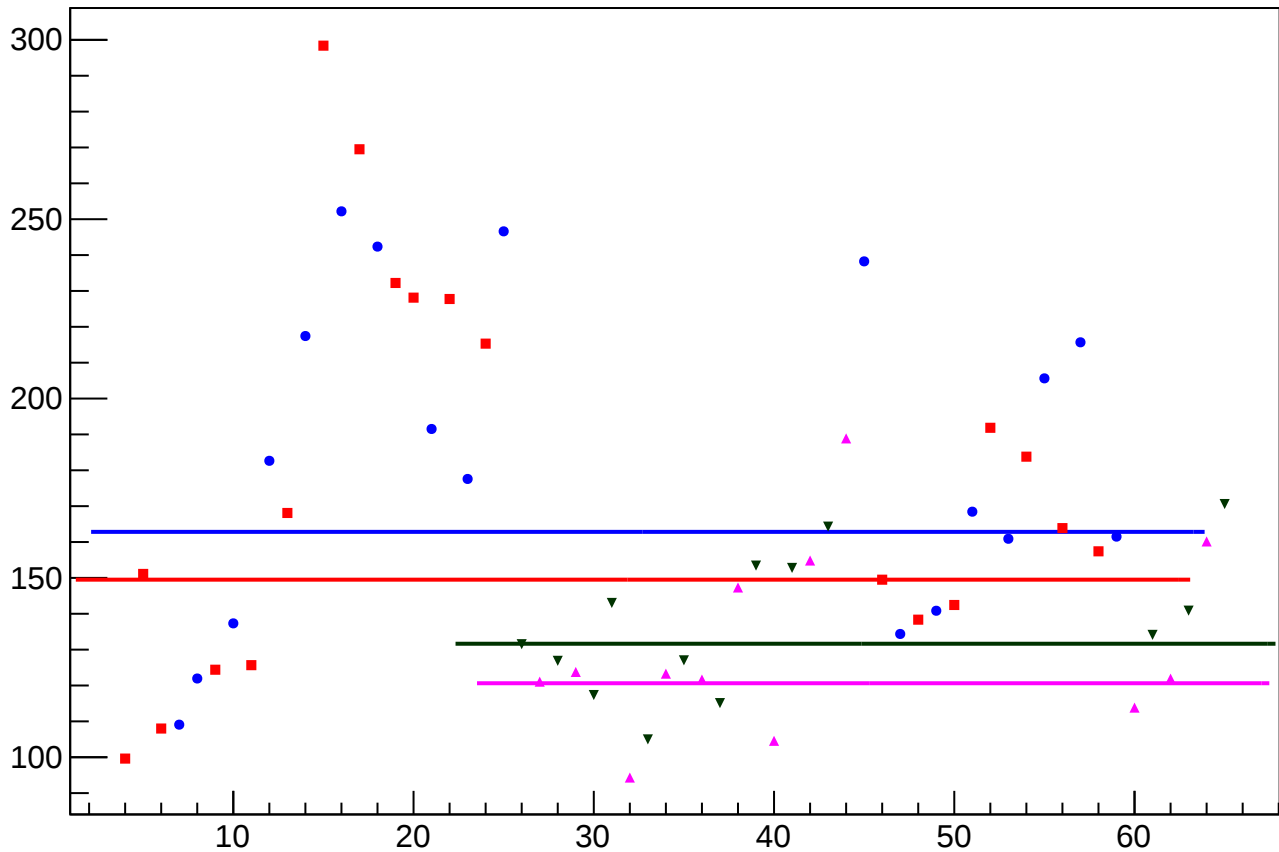
Right Out: 70.155+/-49.782 χ^2/NDF : 4.5/18

Left In: -30.896+/-46.096 χ^2/NDF : 1.3/11

41.962+/-35.975 χ^2/NDF : 10.4/30

15.751+/-33.823 χ^2/NDF : 8.0/30

asym_bcm_dg_ds_rms vs slug



Right In: 162.833 $\pm$ 0.036 χ^2 /NDF: 1229021.5/17

Left Out: 131.644 $\pm$ 0.036 χ^2 /NDF: 250362.9/12

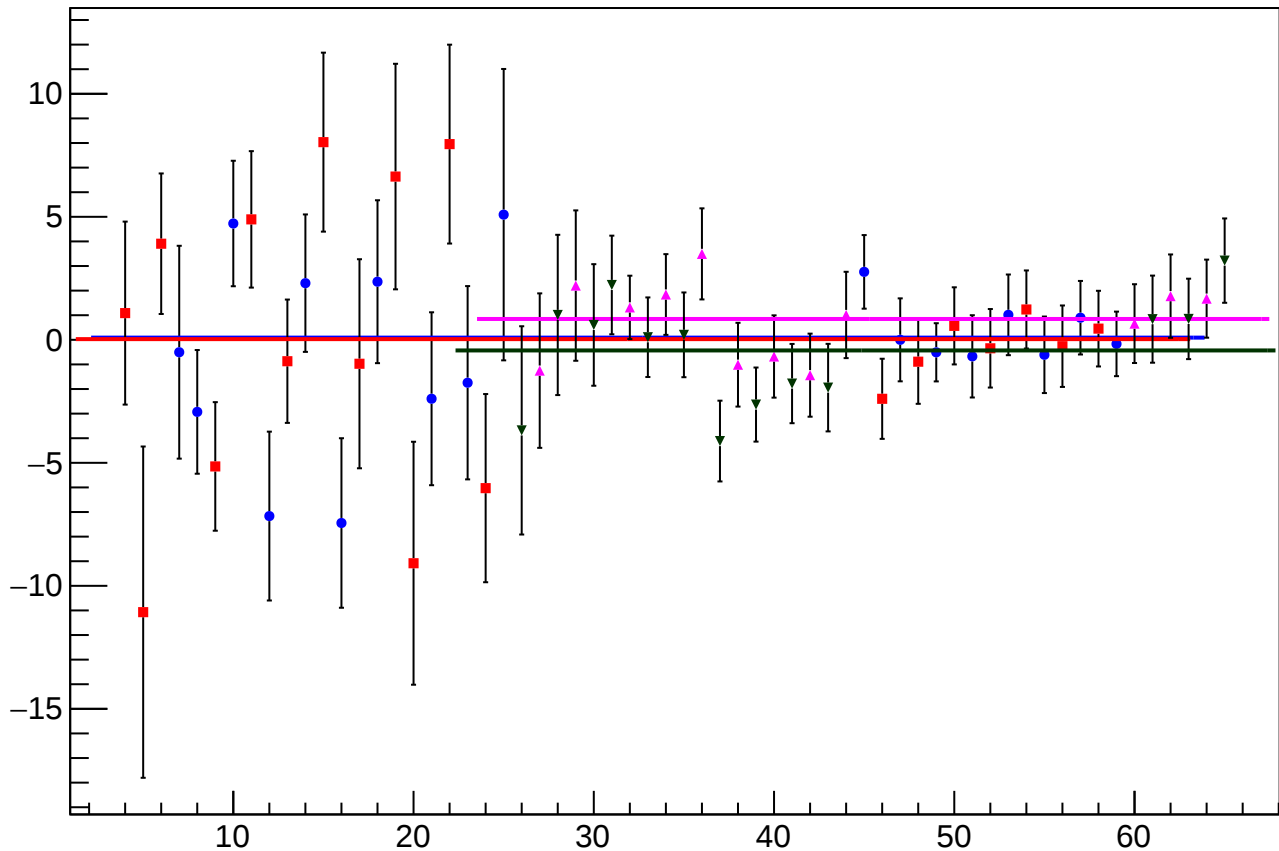
147.415 $\pm$ 0.025 χ^2 /NDF: 1855154.7/30

Right Out: 149.507 $\pm$ 0.035 χ^2 /NDF: 1490705.1/18

133.960 $\pm$ 0.024 χ^2 /NDF: 2300184.1/30

Left In: 120.630 $\pm$ 0.033 χ^2 /NDF: 447170.3/11

asym_cav4bQ_mean vs slug



Right In: 0.089+/-0.466 χ^2/NDF : 21.1/17

Left Out: -0.432+/-0.511 χ^2/NDF : 17.2/12

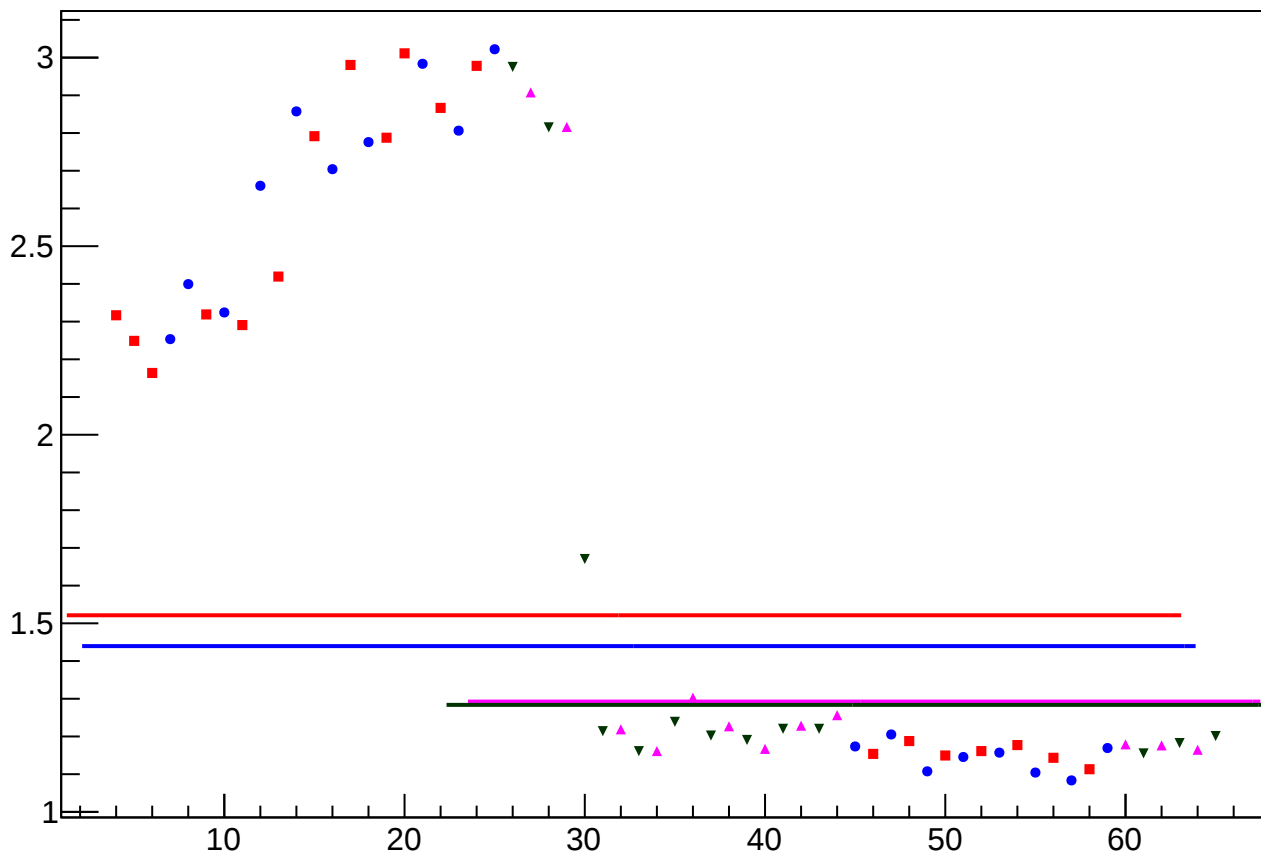
Right Out: 0.028+/-0.520 χ^2/NDF : 31.9/18

Left In: 0.847+/-0.501 χ^2/NDF : 7.6/11

-0.147+/-0.344 χ^2/NDF : 38.9/30

0.453+/-0.361 χ^2/NDF : 40.8/30

asym_cav4bQ_rms vs slug



Right In: 1.440+/-0.000 χ^2/NDF : 3409388.4/17

Left Out: 1.284+/-0.000 χ^2/NDF :866752.6/12

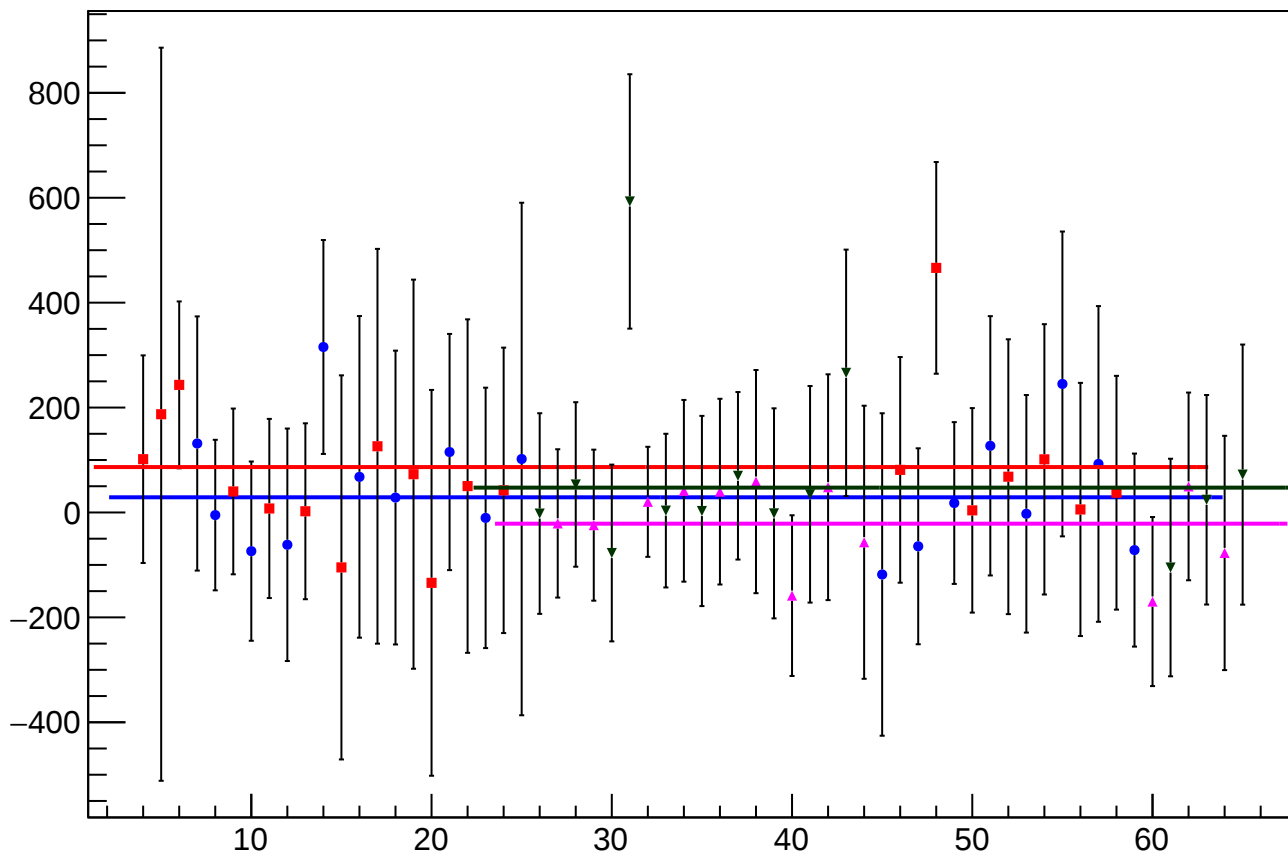
Right Out: 1.521+/-0.000 χ^2/NDF : 2870549.2/18

Left In: 1.293+/-0.000 χ^2/NDF :1095949.0/11

1.369+/-0.000 χ^2/NDF : 4377706.4/30

1.403+/-0.000 χ^2/NDF : 4167600.0/30

asym_cav4cQ_mean vs slug



Right In: 28.930 $\pm$ 51.478 χ^2 /NDF: 4.5/17

Left Out: 47.349 $\pm$ 52.158 χ^2 /NDF: 7.3/12

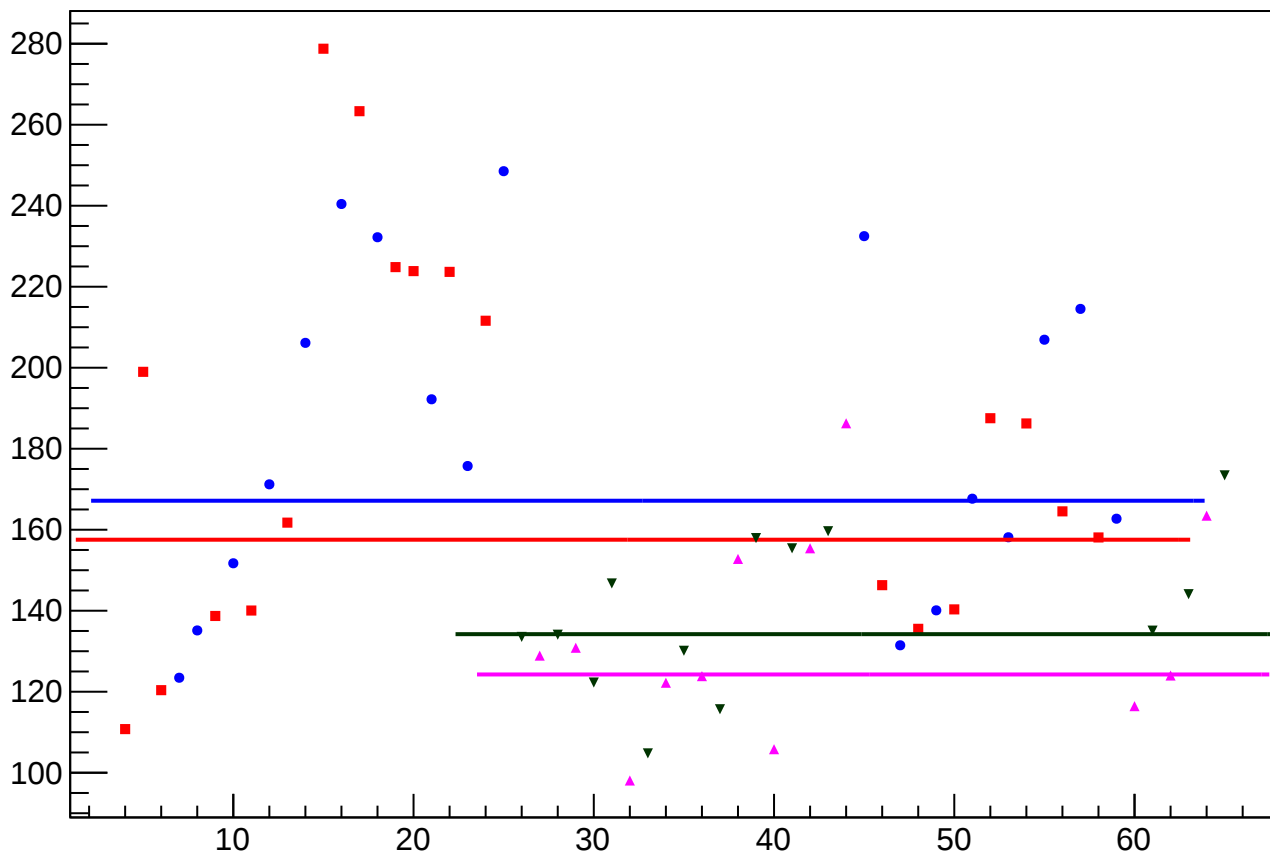
Right Out: 86.558 $\pm$ 52.059 χ^2 /NDF: 6.1/18

Left In: -21.381 $\pm$ 47.395 χ^2 /NDF: 2.5/11

38.019 $\pm$ 36.639 χ^2 /NDF: 11.9/30

27.538 $\pm$ 35.046 χ^2 /NDF: 11.0/30

asym_cav4cQ_rms vs slug



Right In: 167.159+/-0.036 χ^2/NDF : 875808.6/17

Left Out: 134.213+/-0.037 χ^2/NDF : 251662.7/12

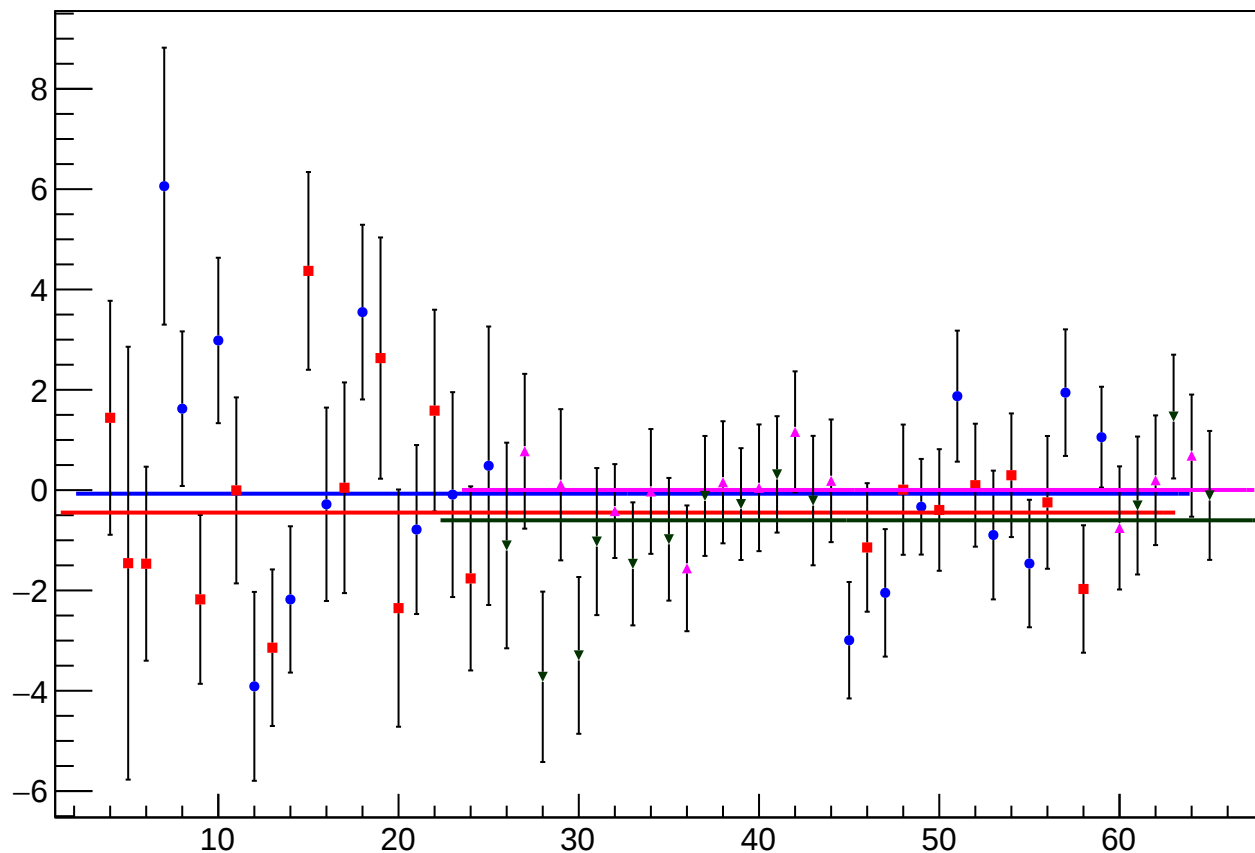
Right Out: 157.534+/-0.037 χ^2/NDF : 1049684.2/18

Left In: 124.262+/-0.034 χ^2/NDF : 417989.3/11

150.902+/-0.026 χ^2/NDF : 1531701.3/30

139.341+/-0.025 χ^2/NDF : 1914398.1/30

asym_cav4dQ_mean vs slug



Right In: -0.071+/-0.335 χ^2/NDF : 36.8/17

Left Out: -0.602+/-0.367 χ^2/NDF : 11.1/12

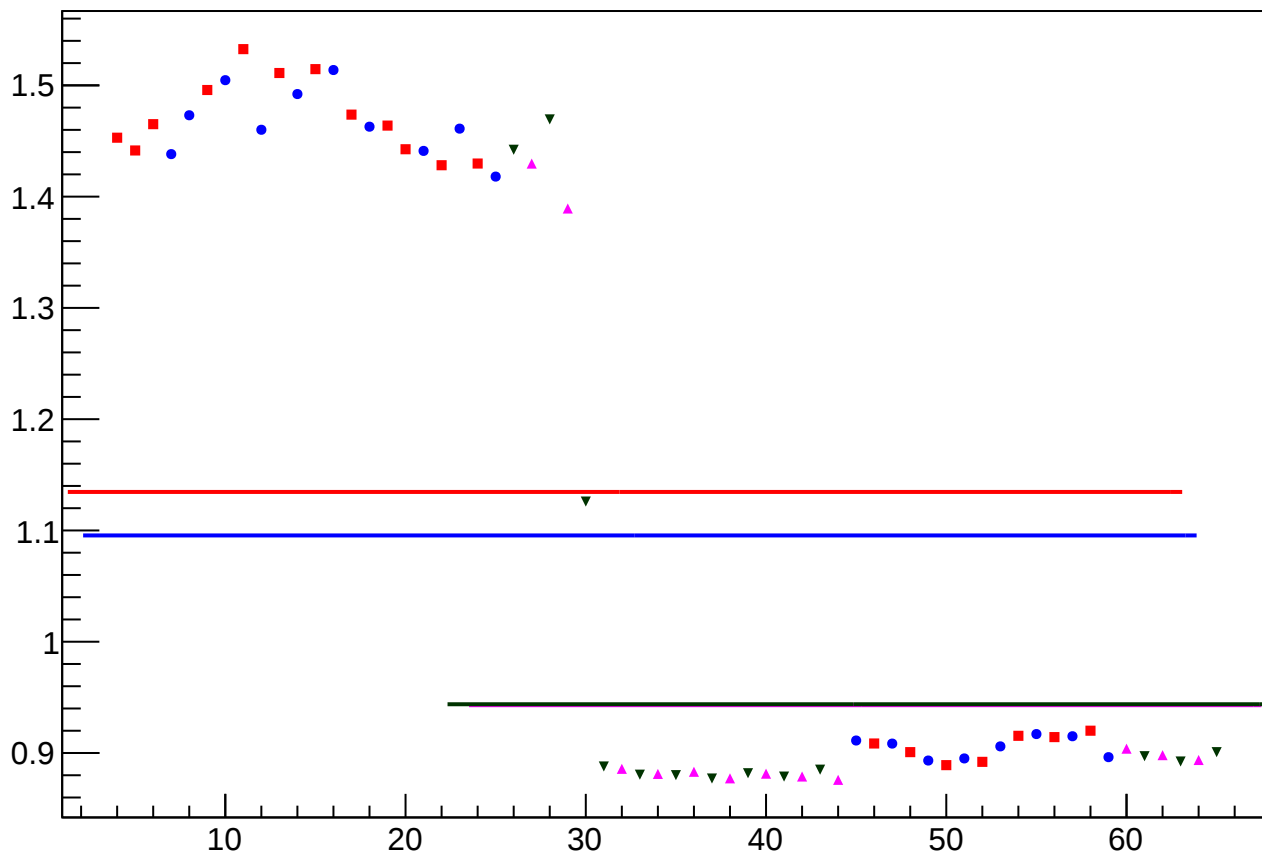
Right Out: -0.448+/-0.369 χ^2/NDF : 17.4/18

Left In: 0.003+/-0.356 χ^2/NDF : 3.7/11

-0.313+/-0.248 χ^2/NDF : 49.0/30

-0.214+/-0.256 χ^2/NDF : 21.8/30

asym_cav4dQ_rms vs slug



Right In: 1.096+/-0.000 χ^2/NDF : 1288766.9/17

Left Out: 0.944+/-0.000 χ^2/NDF : 381464.1/12

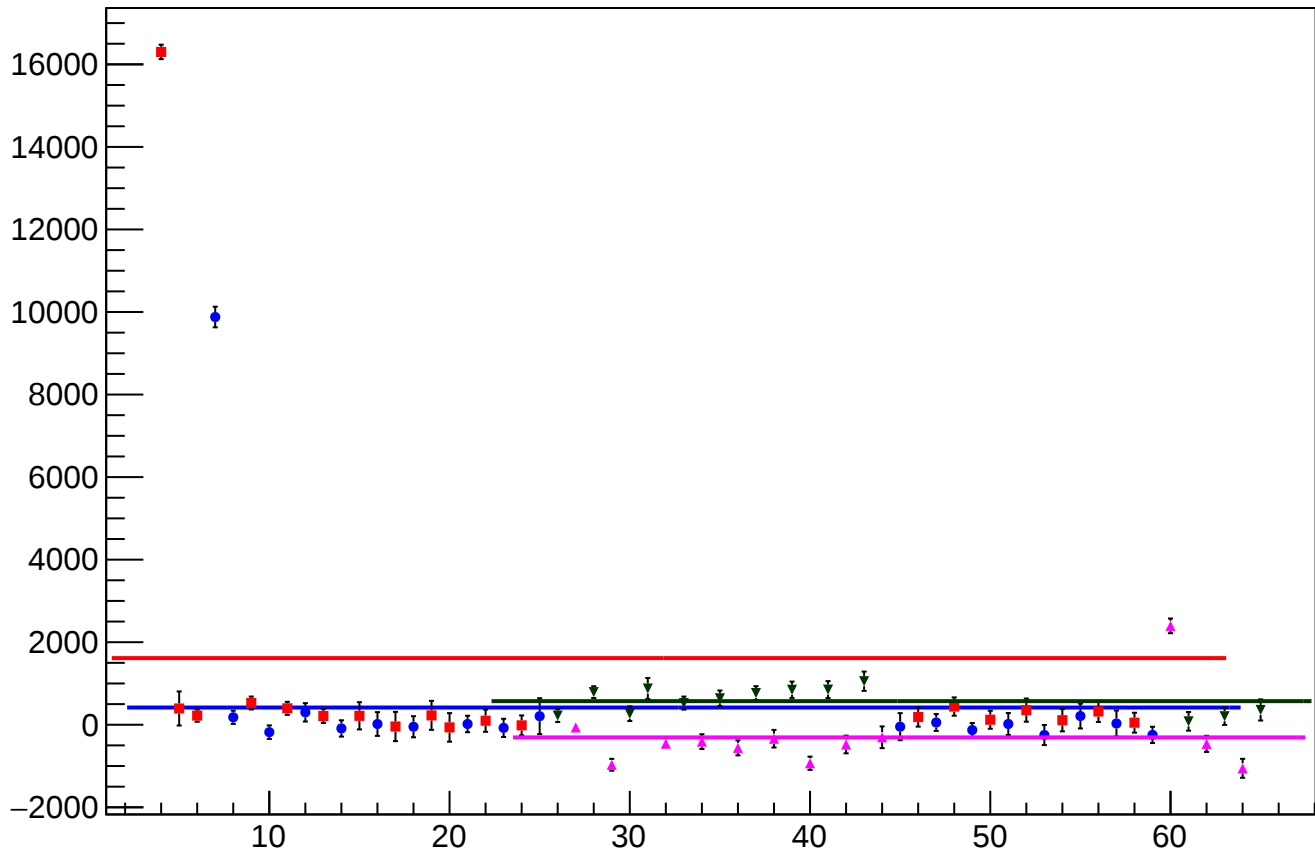
Right Out: 1.135+/-0.000 χ^2/NDF : 1161881.6/18

Left In: 0.943+/-0.000 χ^2/NDF : 421357.2/11

1.026+/-0.000 χ^2/NDF : 1856509.3/30

1.035+/-0.000 χ^2/NDF : 1862345.4/30

asym_bcm0l02_mean vs slug



Right In: 417.186+/-52.636 χ^2/NDF : 1507.9/17

Left Out: 571.750+/-52.259 χ^2/NDF : 29.8/12

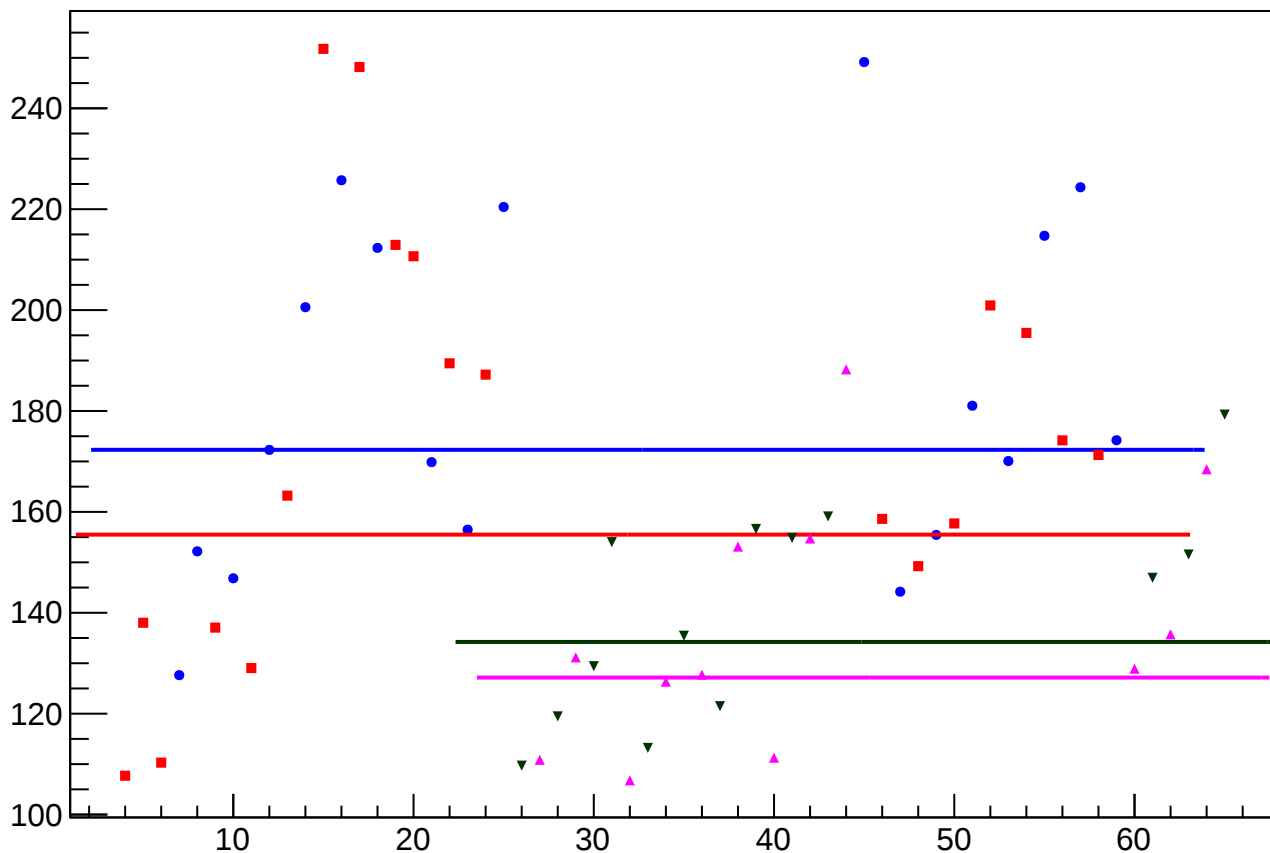
495.023+/-37.085 χ^2/NDF : 1542.1/30

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

599.600+/-35.120 χ^2/NDF : 8697.6/30

Left In: -306.386+/-48.316 χ^2/NDF : 286.8/11

asym_bcm0l02_rms vs slug



Right In: 172.303+/-0.037 χ^2/NDF : 600813.3/17

Left Out: 134.219+/-0.037 χ^2/NDF :281322.5/12

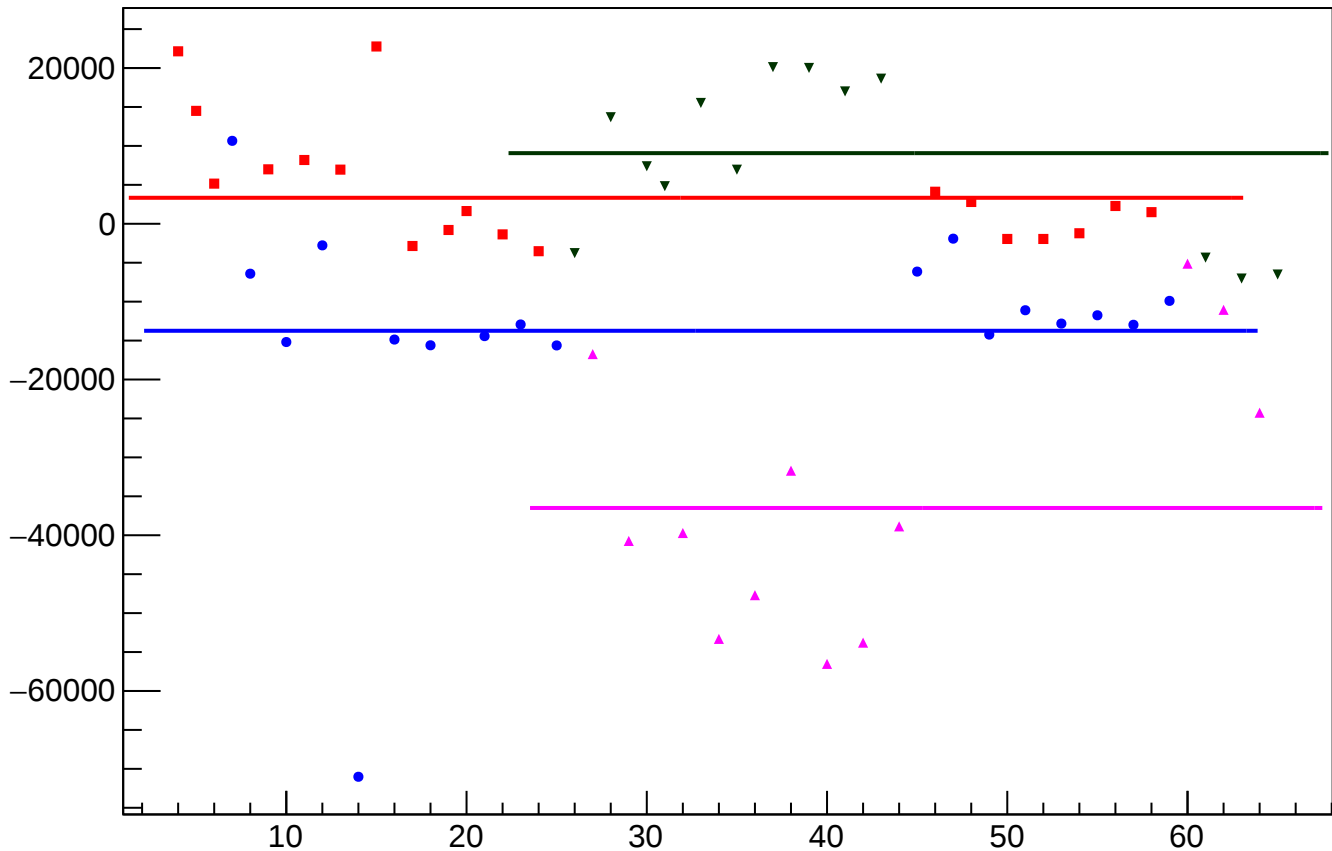
153.125+/-0.026 χ^2/NDF : 1409410.9/30

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

140.524+/-0.025 χ^2/NDF : 1703552.8/30

Left In: 127.161+/-0.034 χ^2/NDF :360430.2/11

asym_bpm2i01WS_mean vs slug



Right In: -13741.376+/-32.053 χ^2/NDF : 222194.3/17

Left Out: 9071.066+/-37.365 χ^2/NDF : 76124.8/12

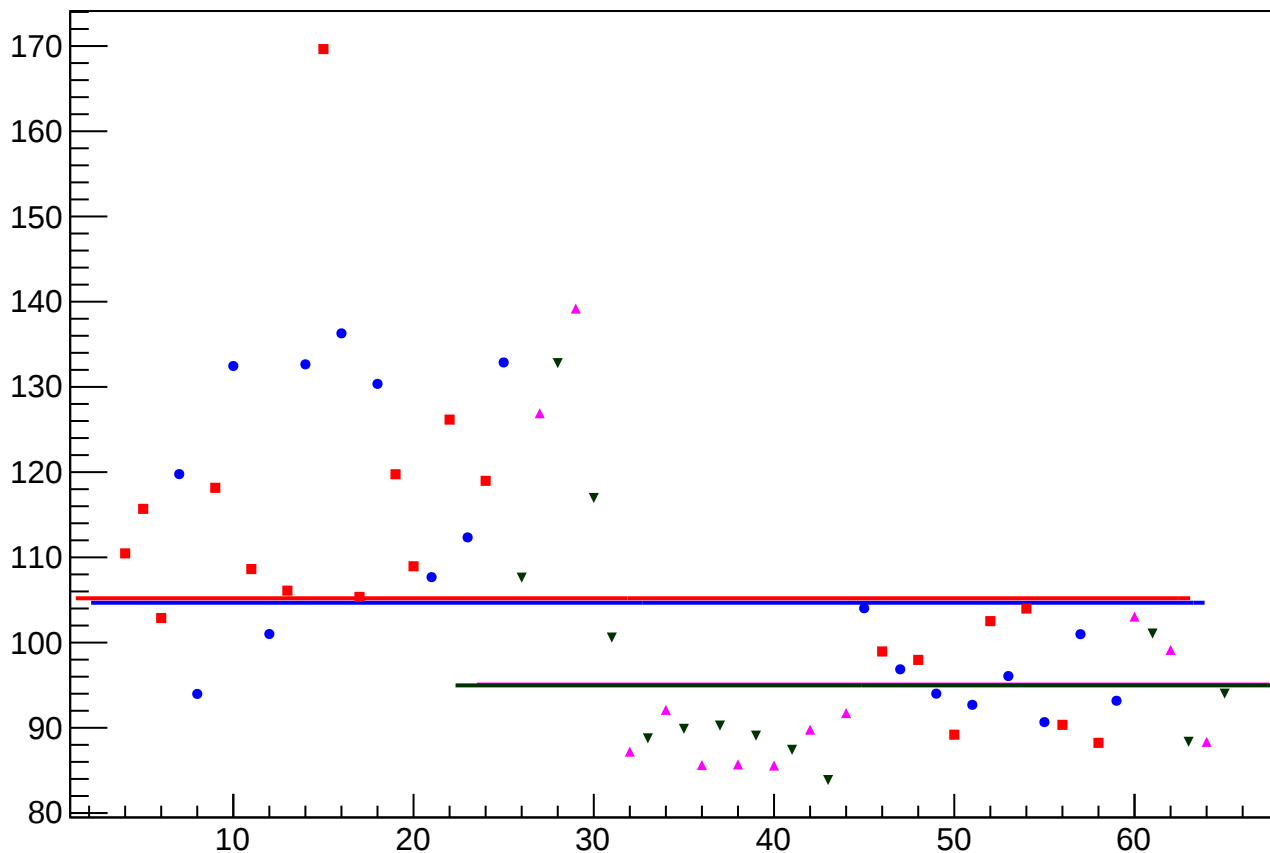
Right Out: 3338.926+/-34.258 χ^2/NDF : 31361.1/18

Left In: -36497.201+/-36.626 χ^2/NDF : 180077.2/11

-4070.787+/-24.328 χ^2/NDF : 513049.8/30

-15249.499+/-25.019 χ^2/NDF : 842406.6/30

asym_bpm2i01WS_rms vs slug



Right In: 104.677 ± 0.023 χ^2/NDF : 431749.6/17

Left Out: 94.978 ± 0.026 χ^2/NDF : 209696.9/12

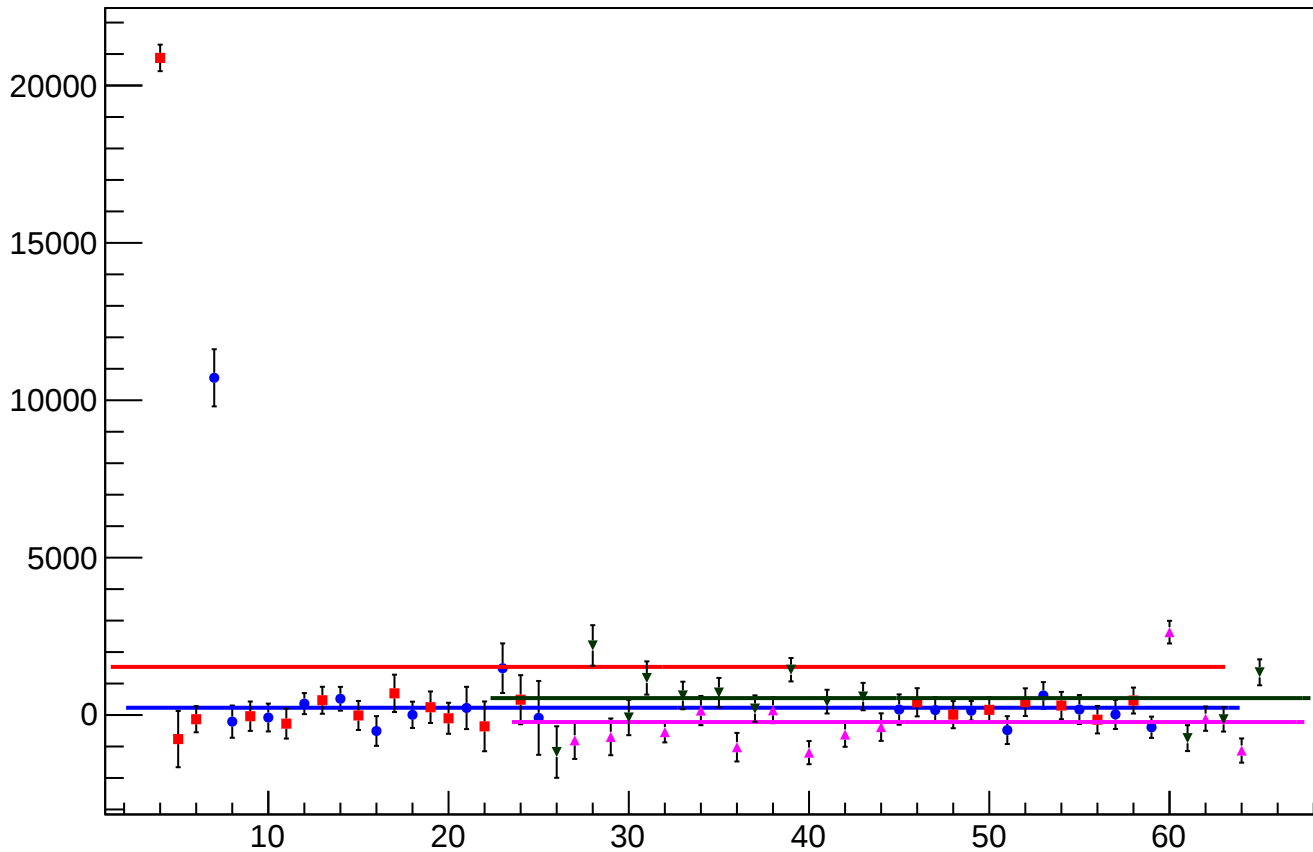
Right Out: 105.200 ± 0.024 χ^2/NDF : 336723.5/18

Left In: 95.077 ± 0.026 χ^2/NDF : 328421.3/11

100.565 ± 0.017 χ^2/NDF : 719074.6/30

100.476 ± 0.018 χ^2/NDF : 746643.8/30

asym_bpm0i07WS_mean vs slug



Right In: 230.965+/-105.235 χ^2/NDF : 148.0/17

Left Out: 537.737+/-124.946 χ^2/NDF : 37.1/12

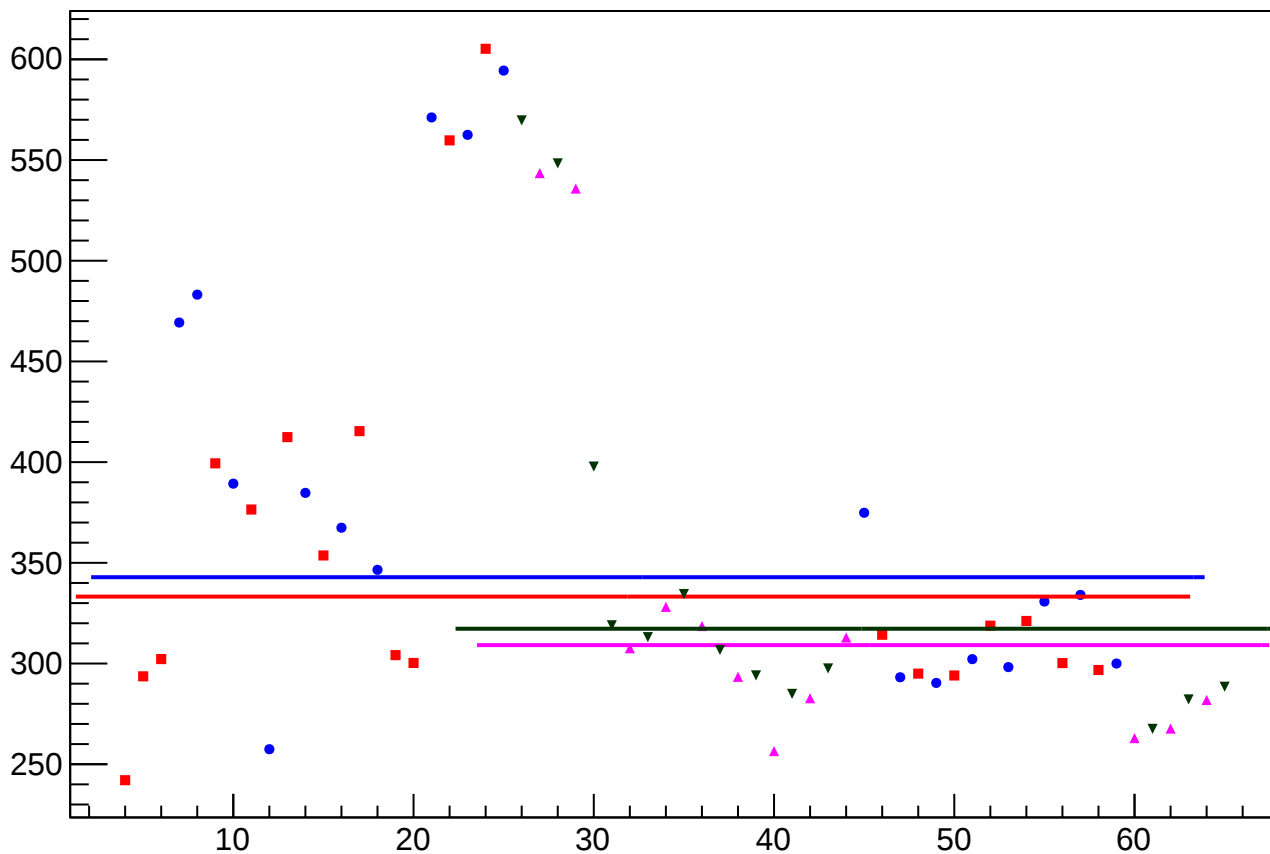
358.273+/-80.490 χ^2/NDF : 188.6/30

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

727.343+/-80.238 χ^2/NDF : 2476.2/30

Left In: -222.920+/-118.614 χ^2/NDF : 83.9/11

asym_bpm0i07WS_rms vs slug



Right In: 342.865 $\pm$ 0.074 χ^2 /NDF: 1018623.1/17

Left Out: 317.280 $\pm$ 0.088 χ^2 /NDF: 574781.6/12

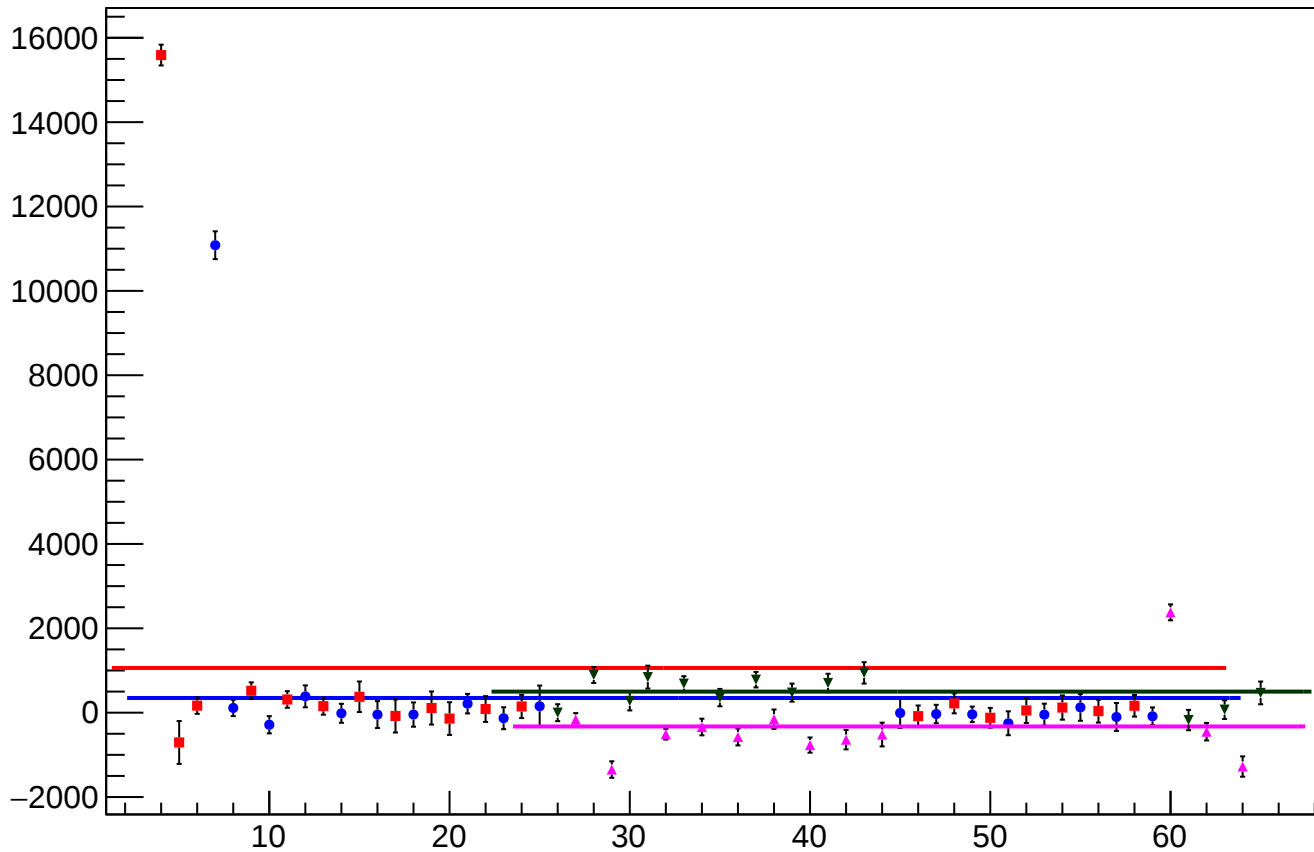
Right Out: 333.230 $\pm$ 0.077 χ^2 /NDF: 768934.3/18

Left In: 309.137 $\pm$ 0.084 χ^2 /NDF: 739516.3/11

332.248 $\pm$ 0.057 χ^2 /NDF: 1642463.3/30

322.205 $\pm$ 0.057 χ^2 /NDF: 1553208.8/30

asym_bpm0l01WS_mean vs slug



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

Left Out: 499.208 ± 59.706 χ^2/NDF : 32.6/12

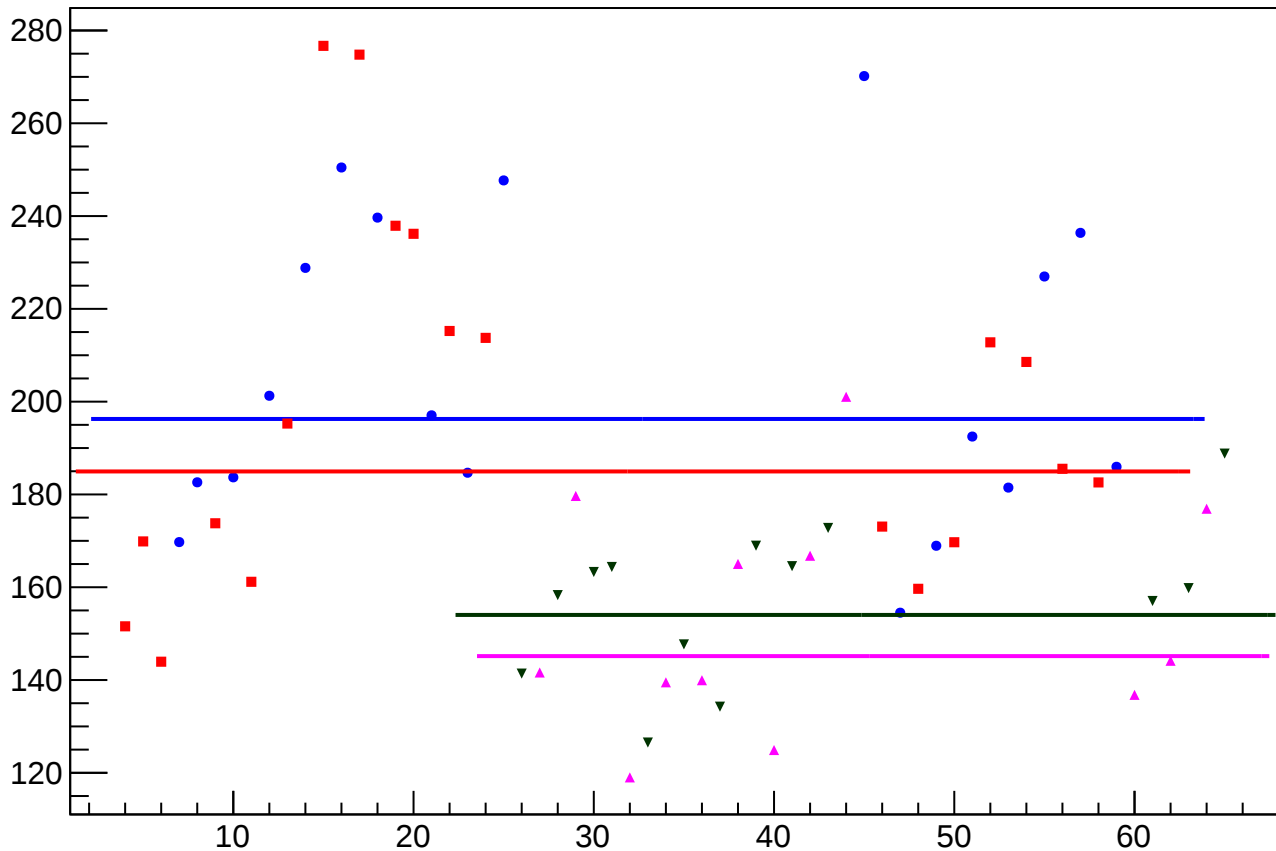
423.624 ± 42.197 χ^2/NDF : 1139.0/30

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

306.051 ± 40.553 χ^2/NDF : 4260.8/30

Left In: -326.669 ± 54.998 χ^2/NDF : 262.0/11

asym_bpm0l01WS_rms vs slug



Right In: 196.269+/-0.042 χ^2/NDF : 466122.9/17

Left Out: 154.030+/-0.042 χ^2/NDF :148739.0/12

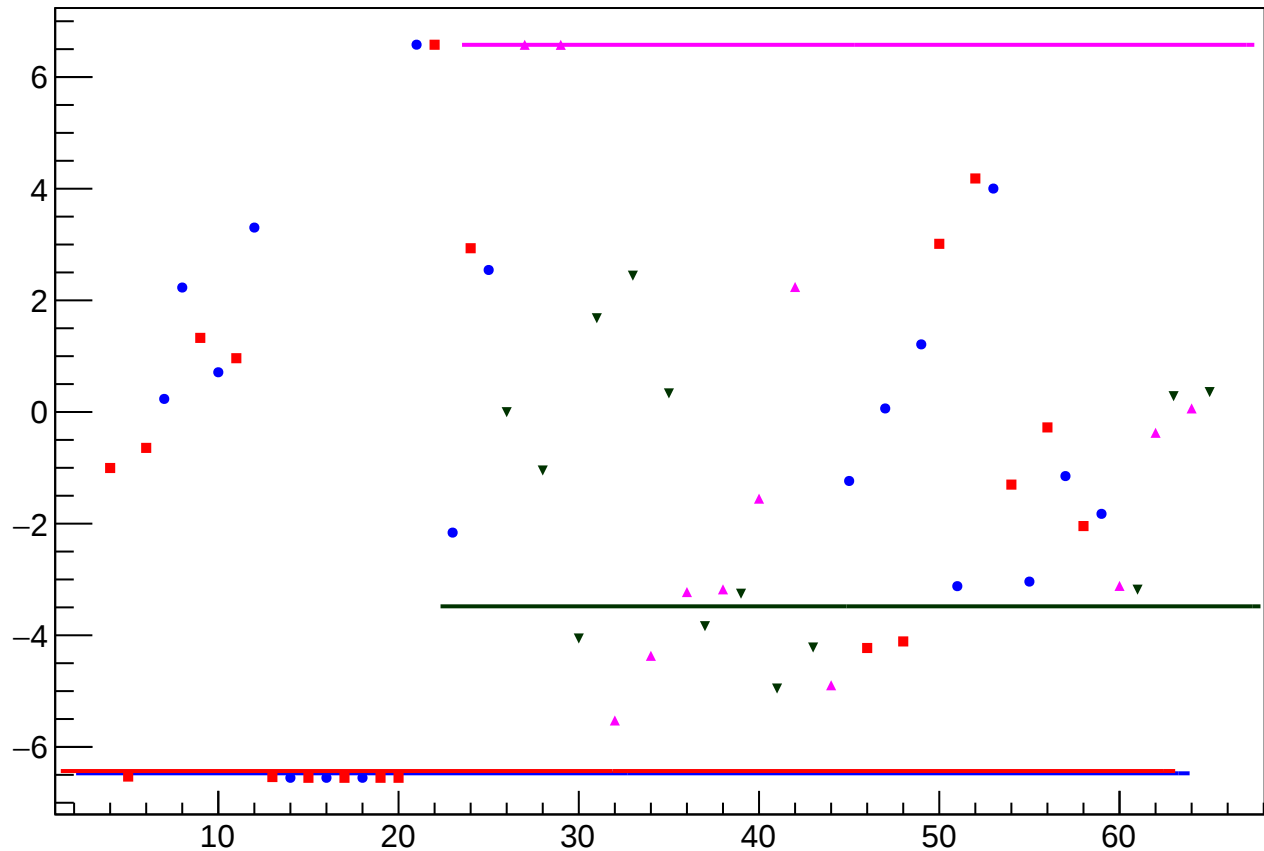
Right Out: 184.956+/-0.042 χ^2/NDF : 580645.4/18

Left In: 145.156+/-0.039 χ^2/NDF :326917.3/11

175.171+/-0.030 χ^2/NDF : 1115850.5/30

163.317+/-0.029 χ^2/NDF : 1385496.7/30

yield_cav4bX_mean vs slug



Right In: -6.473+/-0.000 χ^2/NDF : 127847949322838.5/17

Left Out: -3.481+/-0.001 χ^2/NDF : 7766270.7/12

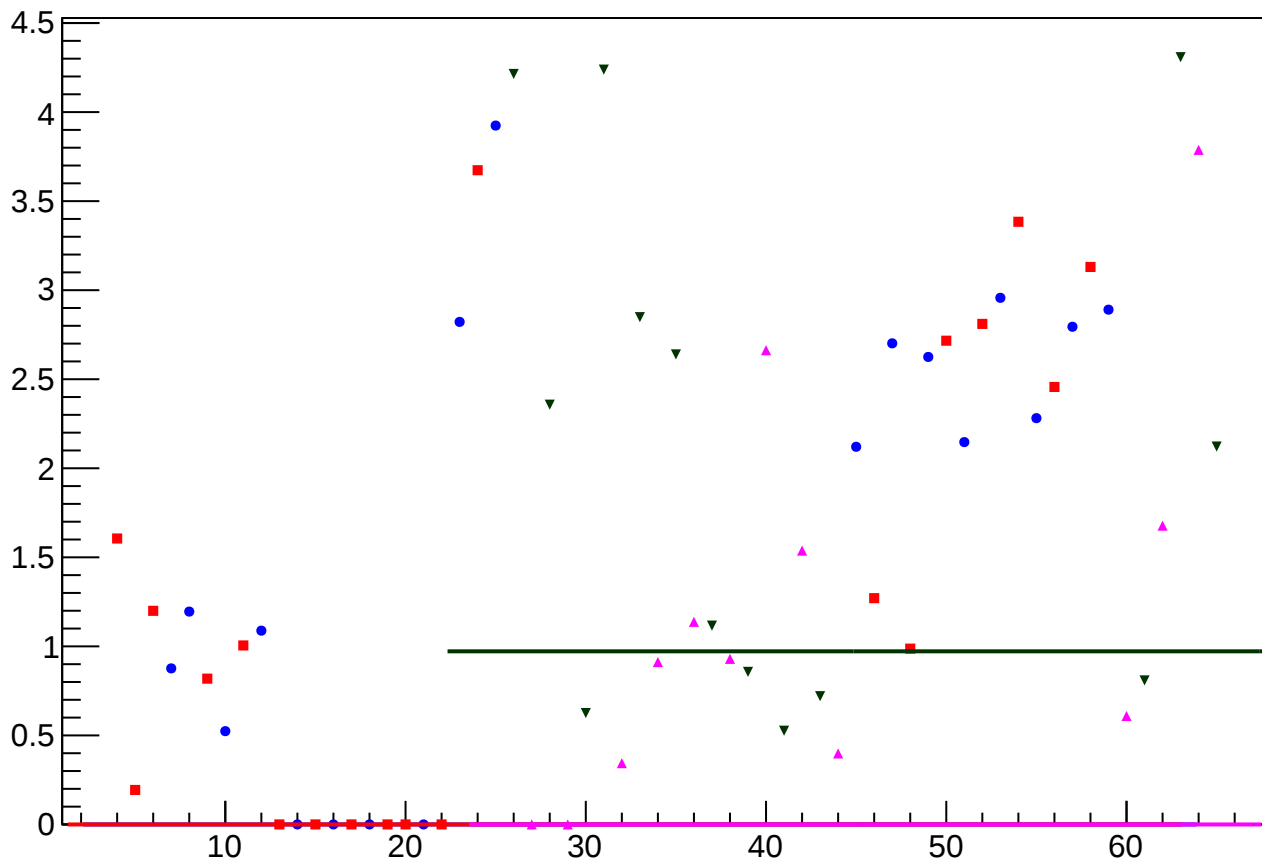
Right Out: -6.432+/-0.000 χ^2/NDF : 150837619676093.8/18

Left In: 6.578+/-0.000 χ^2/NDF : 911117521.7/11

-6.473+/-0.000 χ^2/NDF : 127847985741810.4/3

-6.315+/-0.000 χ^2/NDF : 297092144278593.2/3

yield_cav4bX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 11913804.6/17

Left Out: 0.972+/-0.000 χ^2/NDF :3390545.5/12

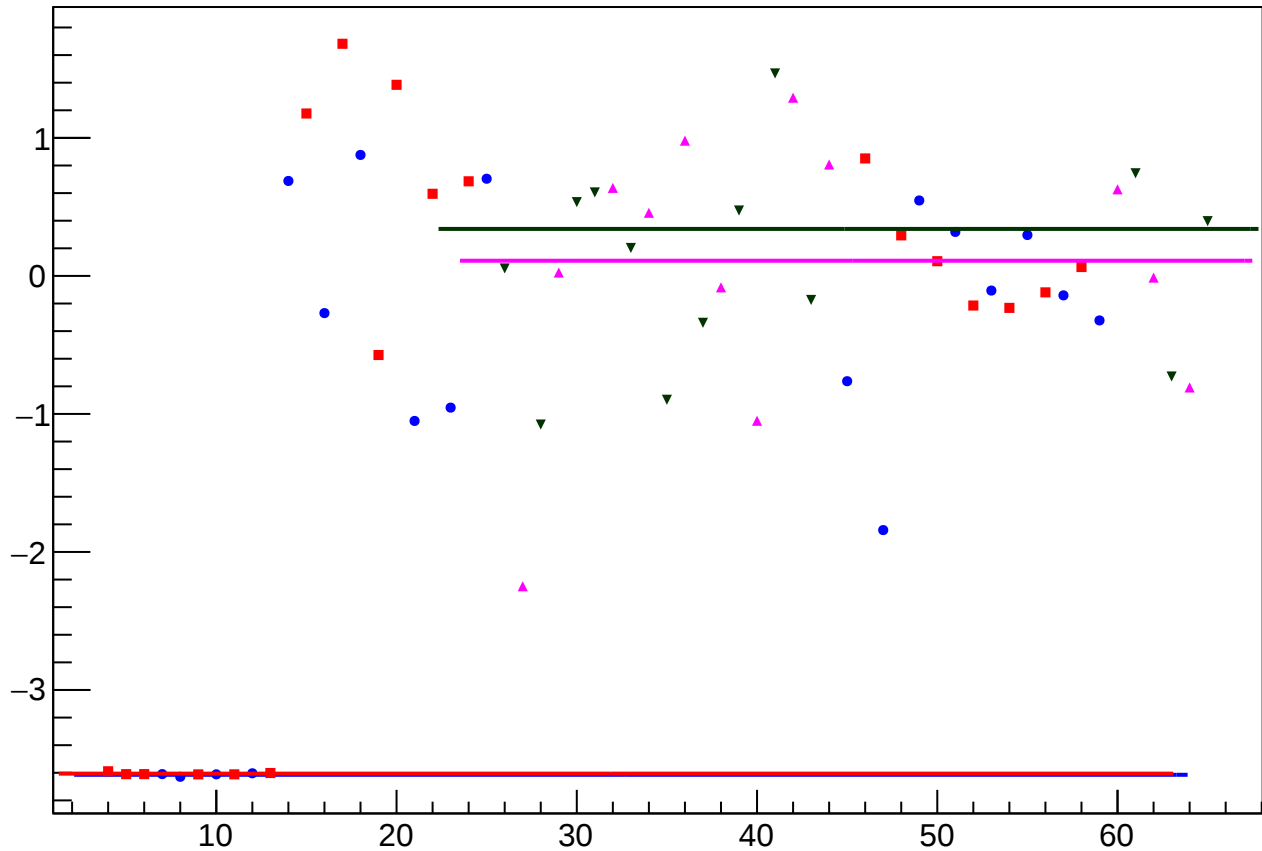
Right Out: 0.000+/-0.000 χ^2/NDF : 9626570.5/18

Left In: 0.000+/-0.000 χ^2/NDF :7147475.9/11

0.000+/-0.000 χ^2/NDF : 21355373.6/30

0.000+/-0.000 χ^2/NDF : 16774169.4/30

yield_cav4bY_mean vs slug



Right In: -3.614 ± 0.000 χ^2/NDF : 49086055221.8/17

Left Out: 0.341 ± 0.000 χ^2/NDF : 7050744.3/12

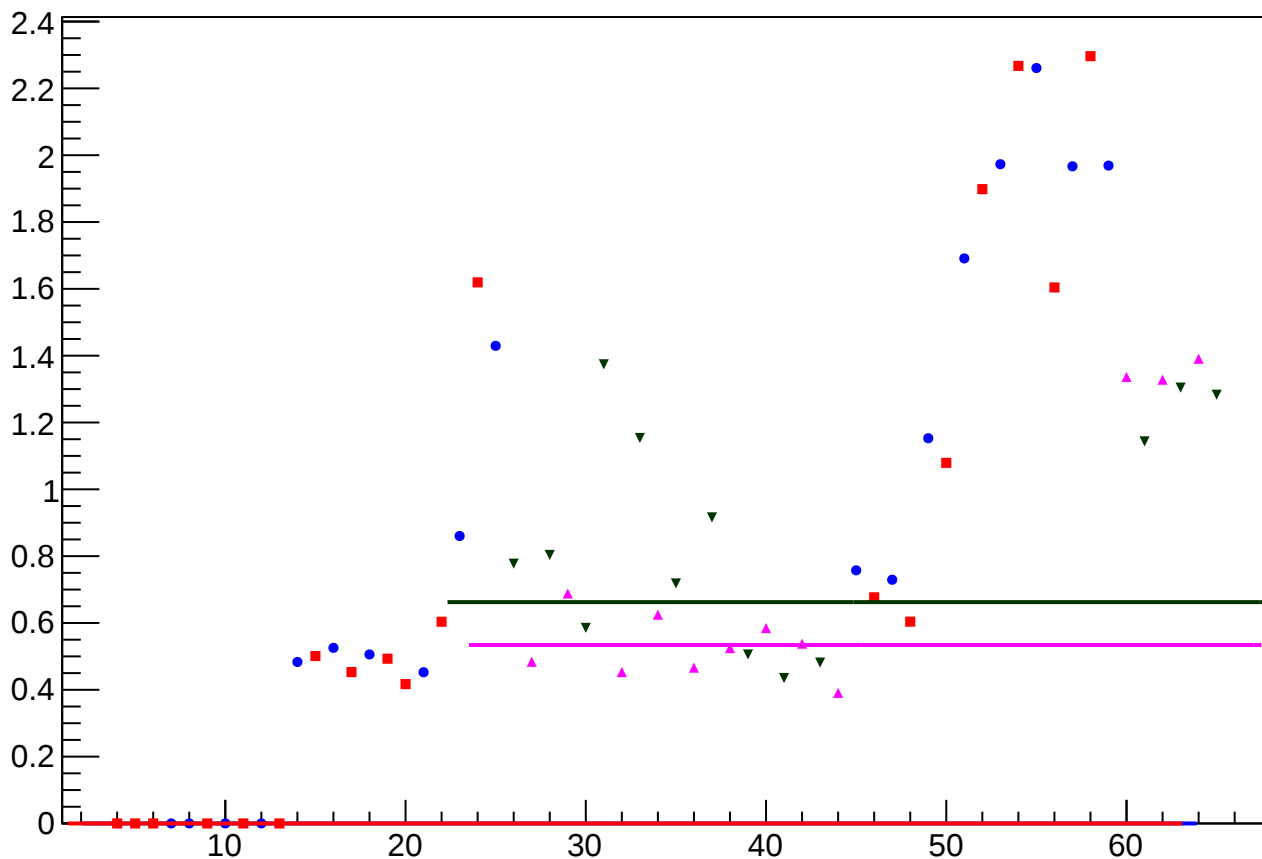
-3.614 ± 0.000 χ^2/NDF : 49252808559.4/30

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

-3.606 ± 0.000 χ^2/NDF : 38042519458.3/30

Left In: 0.110 ± 0.000 χ^2/NDF : 20420374.4/11

yield_cav4bY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 13780215.8/17

Left Out: 0.662+/-0.000 χ^2/NDF :1437501.4/12

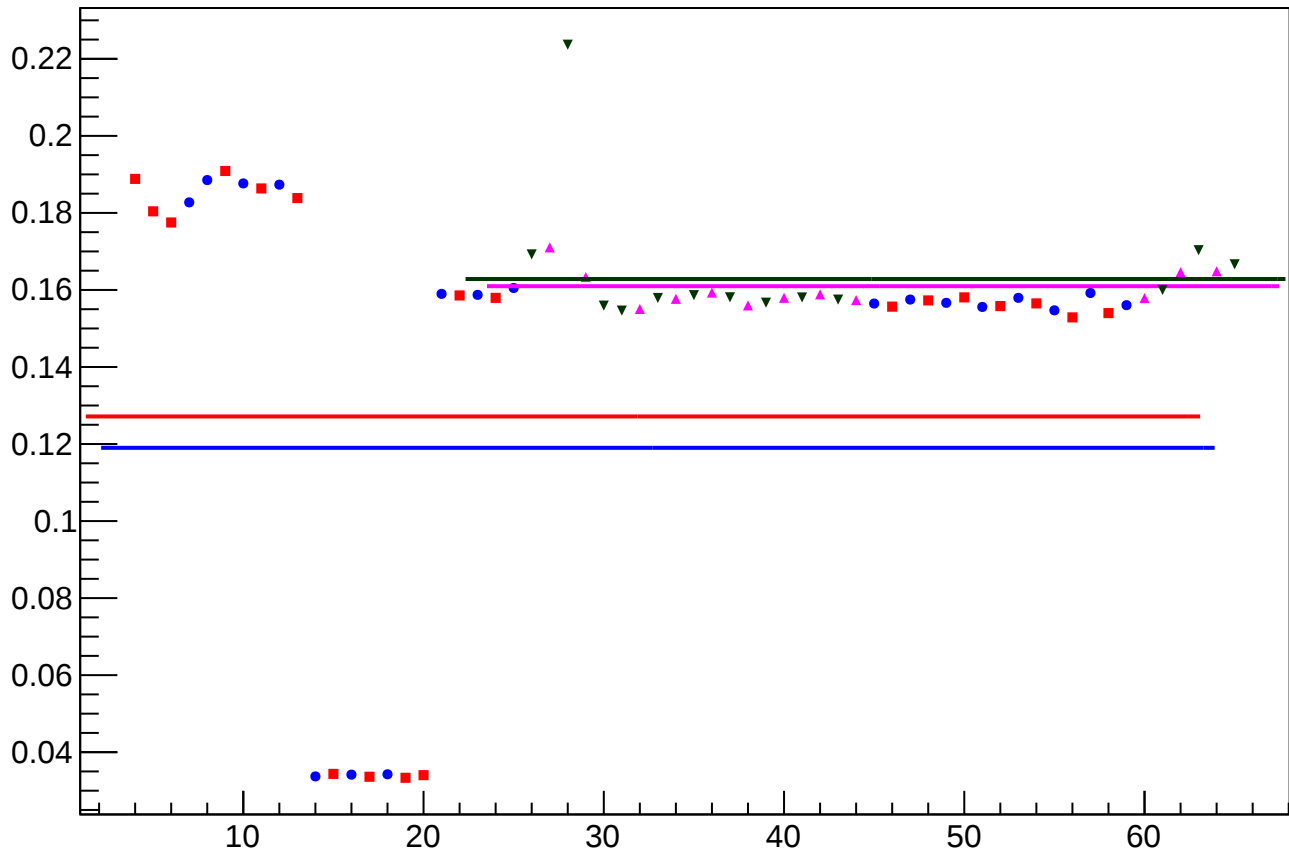
Right Out: 0.000+/-0.000 χ^2/NDF : 10531530.4/18

Left In: 0.534+/-0.000 χ^2/NDF :1327434.5/11

0.000+/-0.000 χ^2/NDF : 24176235.7/30

0.000+/-0.000 χ^2/NDF : 21331803.9/30

yield_cav4cX_mean vs slug



Right In: 0.119 $\pm$ 0.000 χ^2 /NDF: 4974475463.8/17

Left Out: 0.163 $\pm$ 0.000 χ^2 /NDF:102321756.7/12

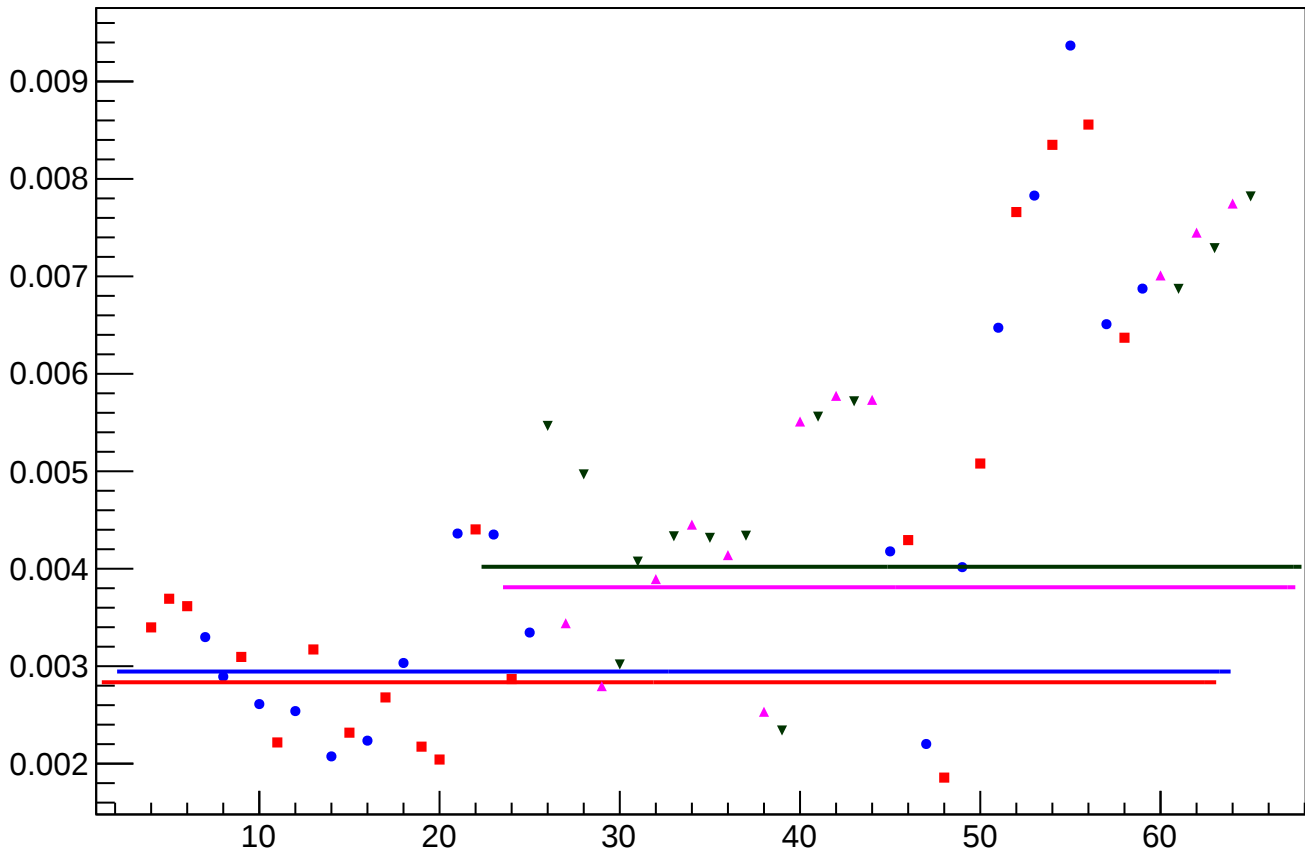
0.130 $\pm$ 0.000 χ^2 /NDF: 5581241011.6/30

Right Out: 0.127 $\pm$ 0.000 χ^2 /NDF: 4426693928.8/18

0.137 $\pm$ 0.000 χ^2 /NDF: 4773656157.6/30

Left In: 0.161 $\pm$ 0.000 χ^2 /NDF:12006828.2/11

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 :1495472.9/12

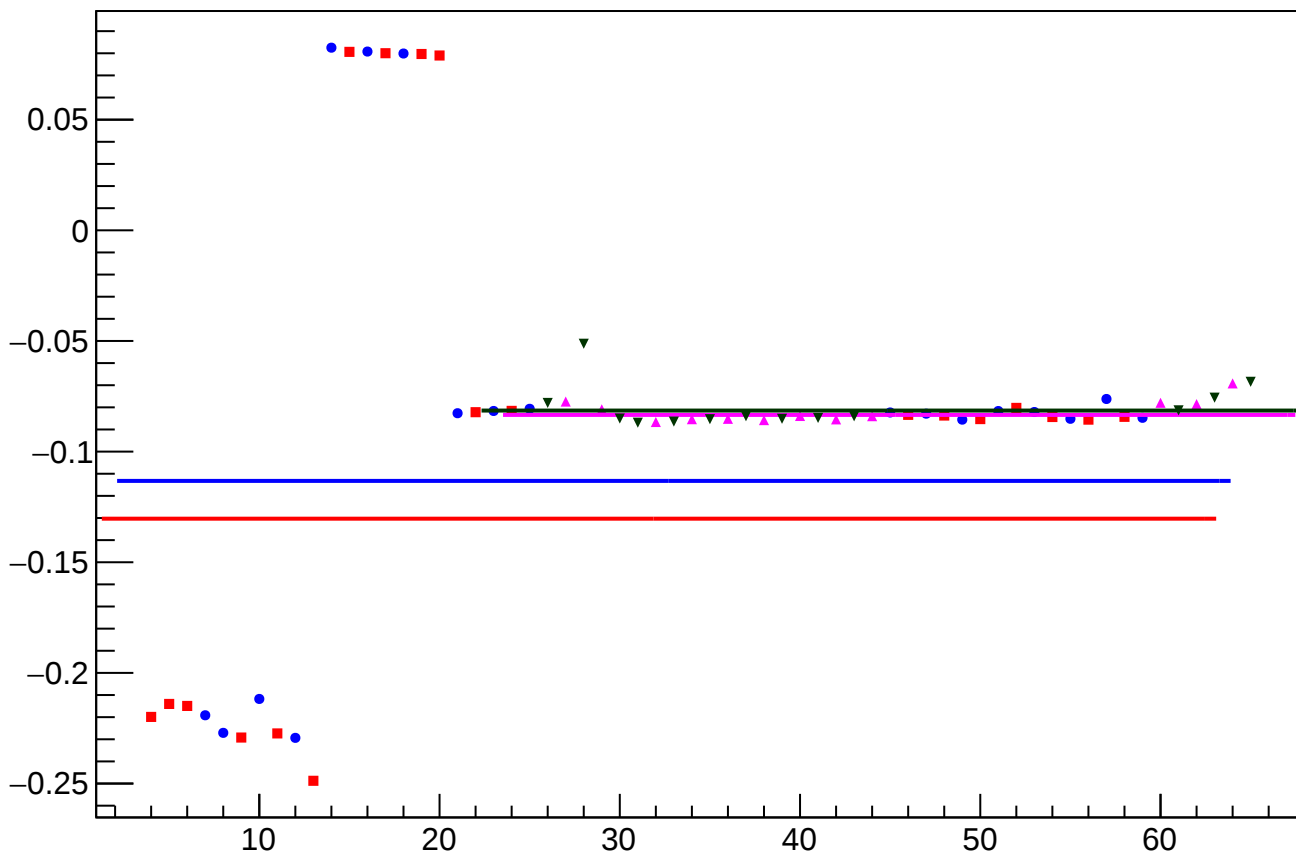
Right Out: 0.003+/-0.000 χ^2/NDF : 2697291.9/18

Left In: 0.004+/-0.000 χ^2/NDF :1487186.1/11

0.003+/-0.000 χ^2/NDF : 5087792.7/30

0.003+/-0.000 χ^2/NDF : 4741240.4/30

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 : 36827979.4/12

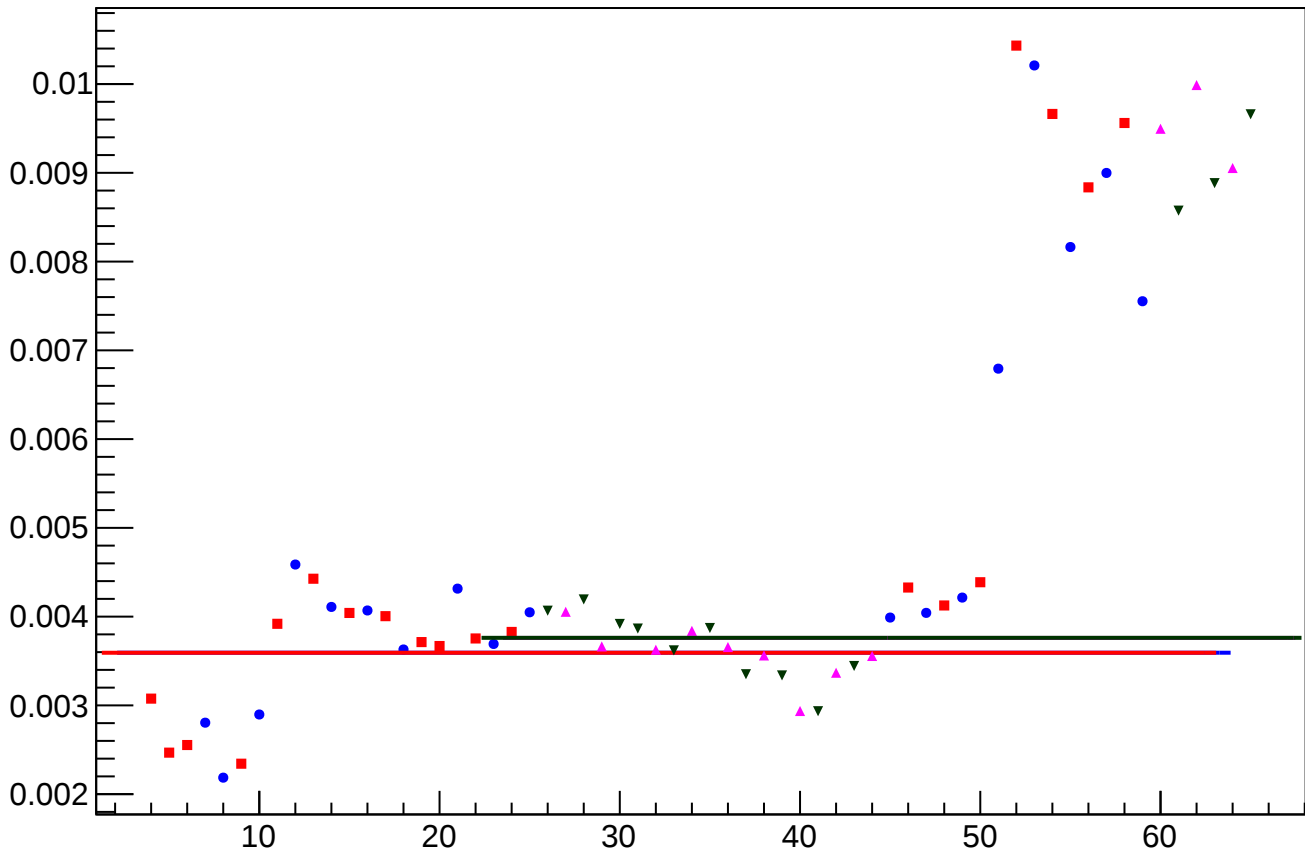
Right Out: -0.130+/-0.000 χ^2/NDF : 8867144829.5/18

Left In: -0.083+/-0.000 χ^2/NDF : 4962948.9/11

-0.102+/-0.000 χ^2/NDF : 9996160435.7/30

-0.111+/-0.000 χ^2/NDF : 9442927261.5/30

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 :995806.2/12

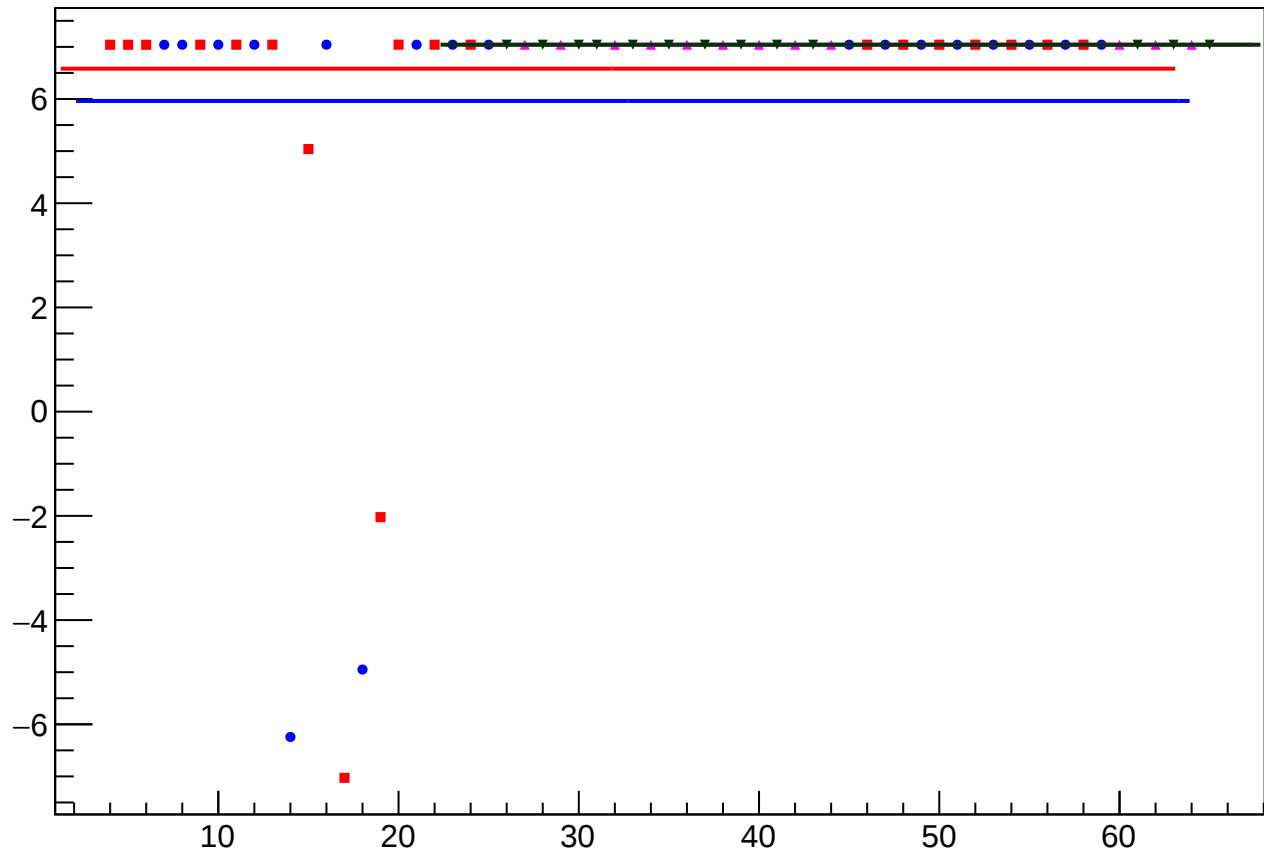
Right Out: 0.004+/-0.000 χ^2/NDF : 2225355.5/18

Left In: 0.004+/-0.000 χ^2/NDF :1027298.8/11

0.004+/-0.000 χ^2/NDF : 3646946.5/30

0.004+/-0.000 χ^2/NDF : 3267098.9/30

yield_cav4dX_mean vs slug



Right In: 5.962 $\pm$ 0.000 χ^2 /NDF: 4616105002600912.0/17

Left Out: 7.042 $\pm$ 0.000 χ^2 /NDF: 4441180.9/12

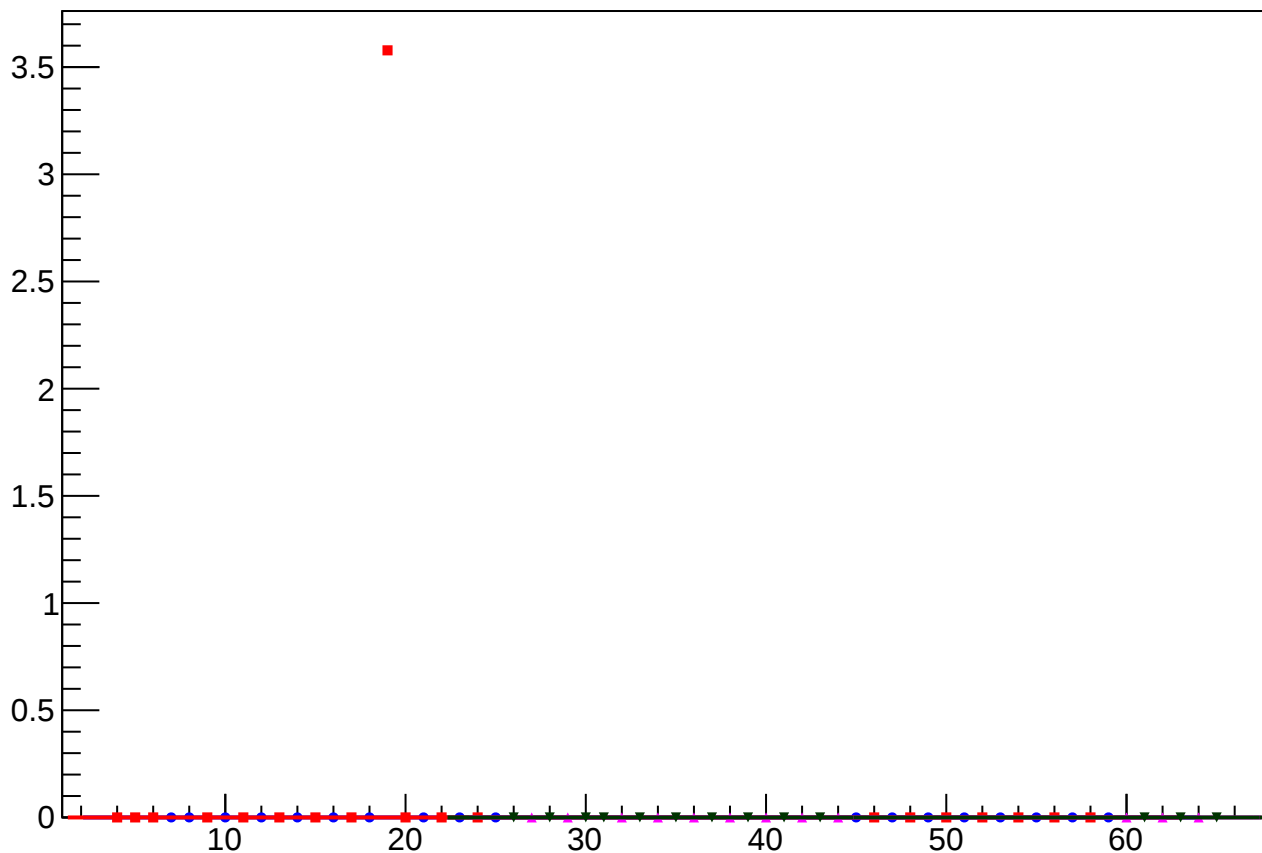
Right Out: 6.582 $\pm$ 0.000 χ^2 /NDF: 1856853993700647.2/18

Left In: 7.042 $\pm$ 0.000 χ^2 /NDF: 3542838.9/11

6.413 $\pm$ 0.000 χ^2 /NDF: 4789775454704402.0/3

6.800 $\pm$ 0.000 χ^2 /NDF: 1887455391710948.5/3

yield_cav4dX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 4282.3/17

Left Out: 0.000+/-0.000 χ^2/NDF :1664.6/12

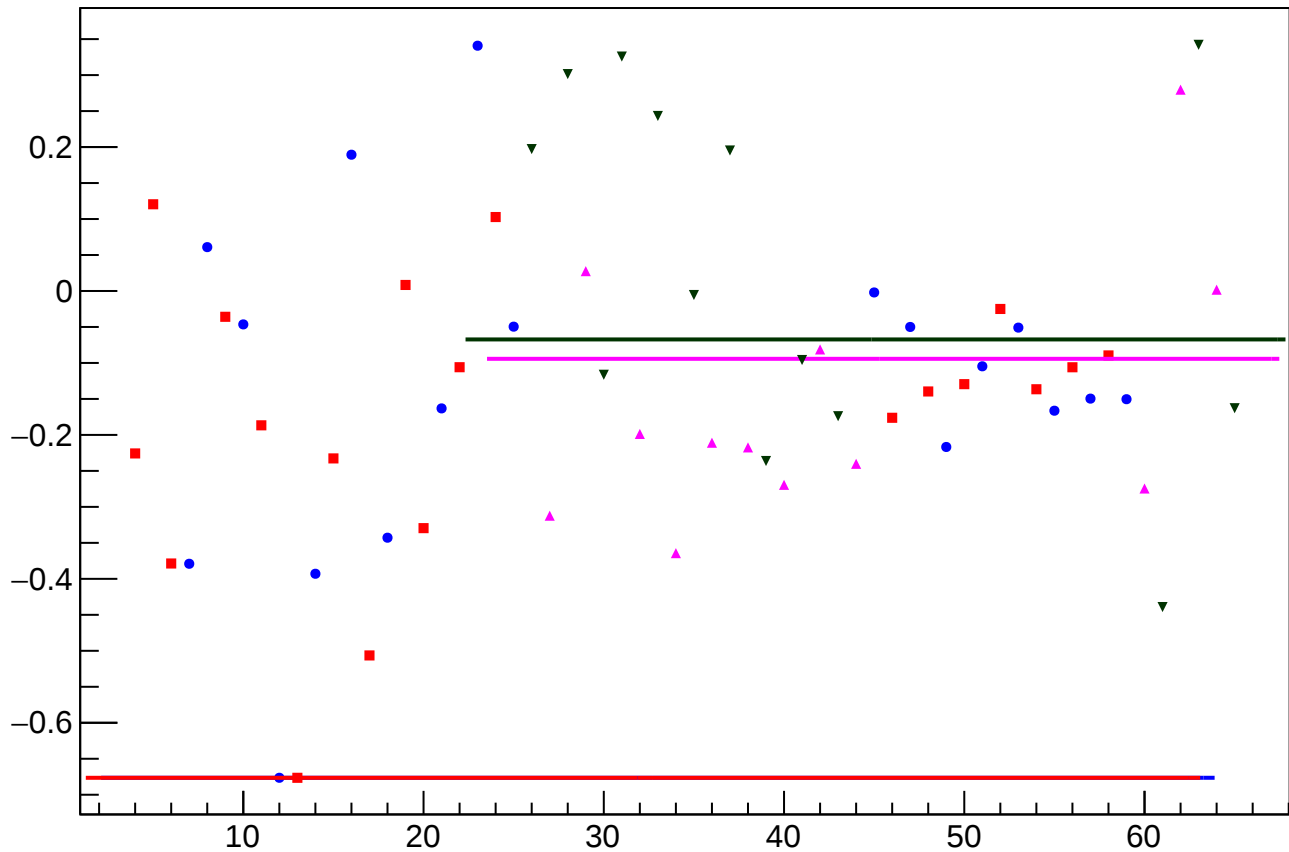
Right Out: 0.000+/-0.000 χ^2/NDF : 697661.6/18

Left In: 0.000+/-0.000 χ^2/NDF :1957.9/11

0.000+/-0.000 χ^2/NDF : 7393.9/30

0.000+/-0.000 χ^2/NDF : 702938.7/30

yield_cav4dY_mean vs slug



Right In: -0.676+/-0.000 χ^2/NDF : 266364367.2/17

Left Out: -0.067+/-0.000 χ^2/NDF : 27464524.9/12

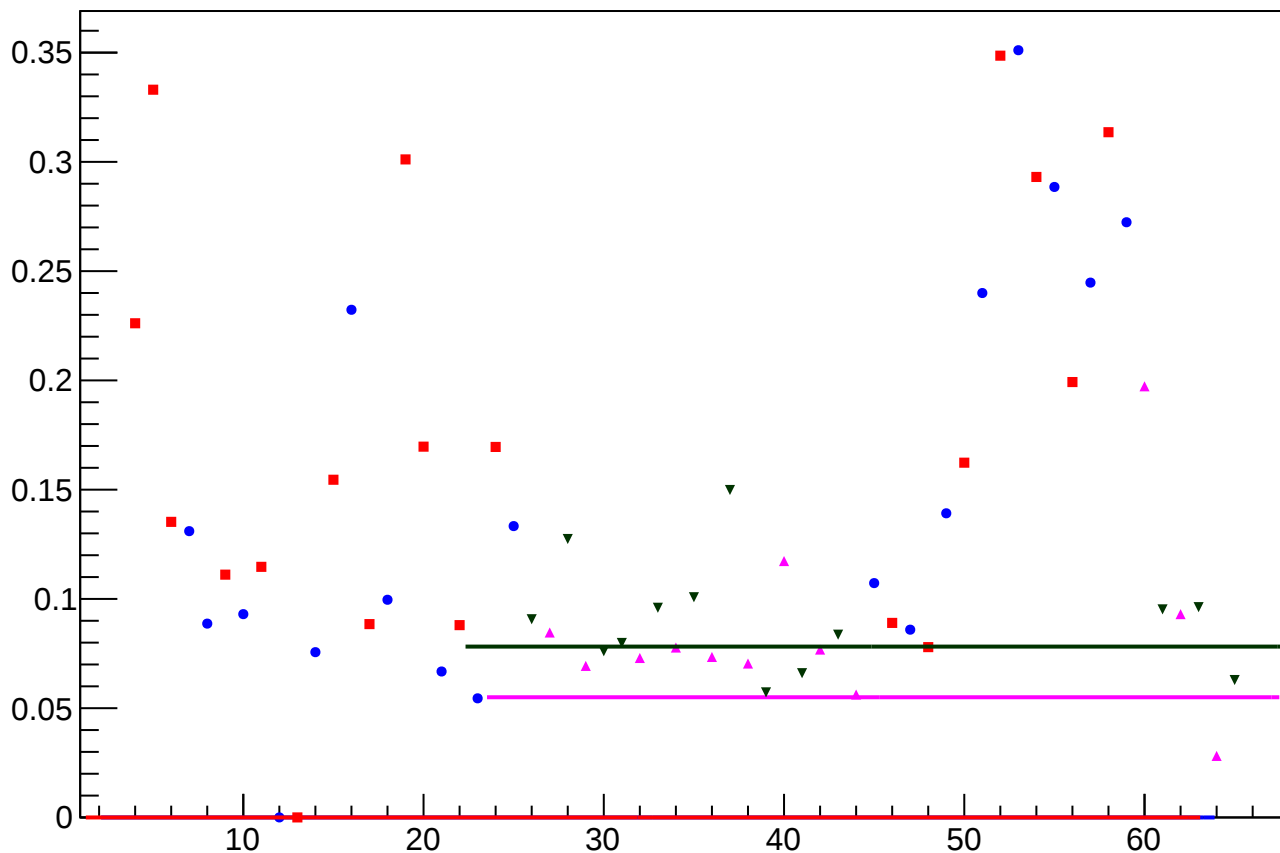
-0.676+/-0.000 χ^2/NDF : 522341239.2/30

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

-0.676+/-0.000 χ^2/NDF : 536265136.9/30

Left In: -0.094+/-0.000 χ^2/NDF : 23663542.3/11

yield_cav4dY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 16187995.6/17

Left Out: 0.078+/-0.000 χ^2/NDF : 532759.4/12

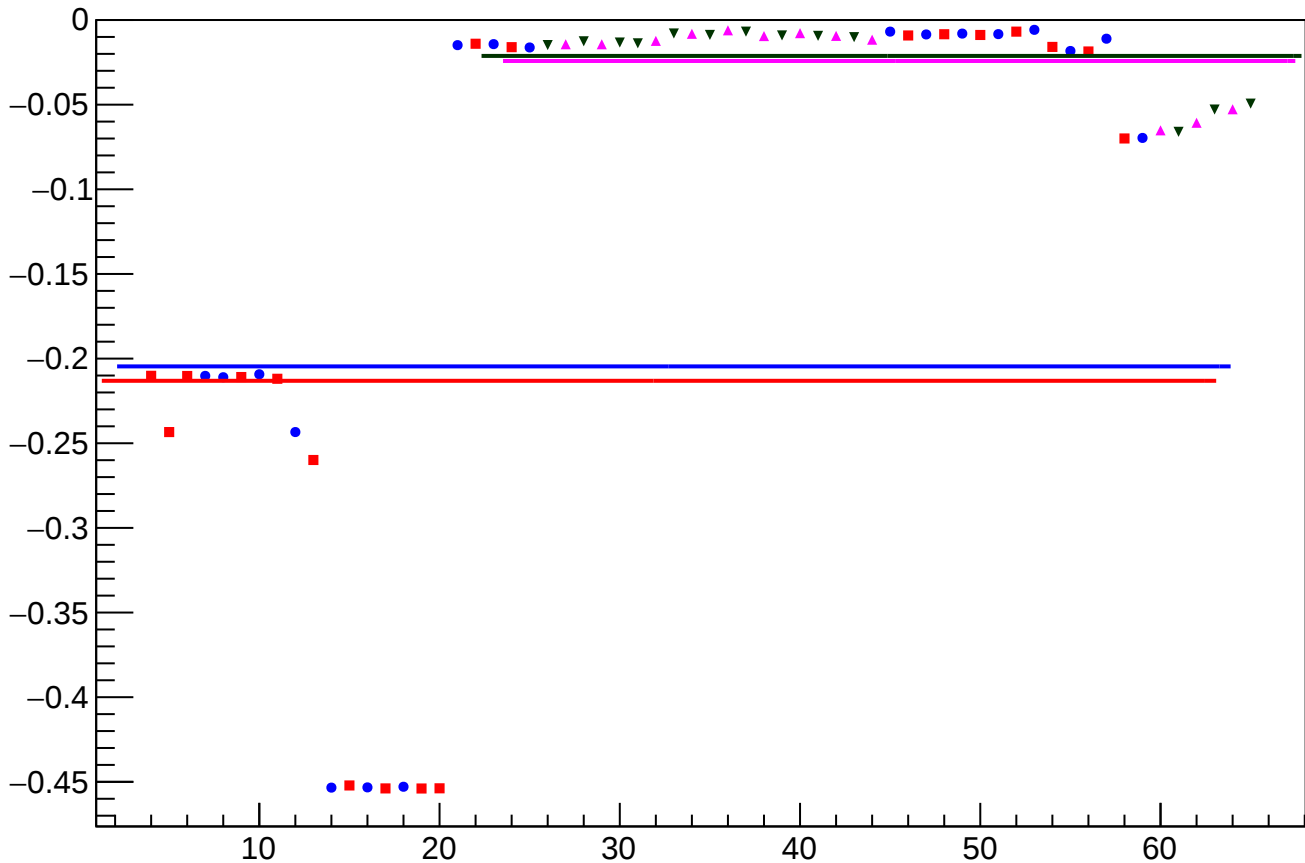
Right Out: 0.000+/-0.000 χ^2/NDF : 13760955.7/18

Left In: 0.055+/-0.000 χ^2/NDF : 1770017.9/11

0.000+/-0.000 χ^2/NDF : 24248709.7/30

0.000+/-0.000 χ^2/NDF : 22856533.1/30

yield_bpm4aX_mean vs slug



Right In: -0.205+/-0.000 χ^2/NDF : 5539981697.6/17

Left Out: -0.021+/-0.000 χ^2/NDF : 28449495.9/12

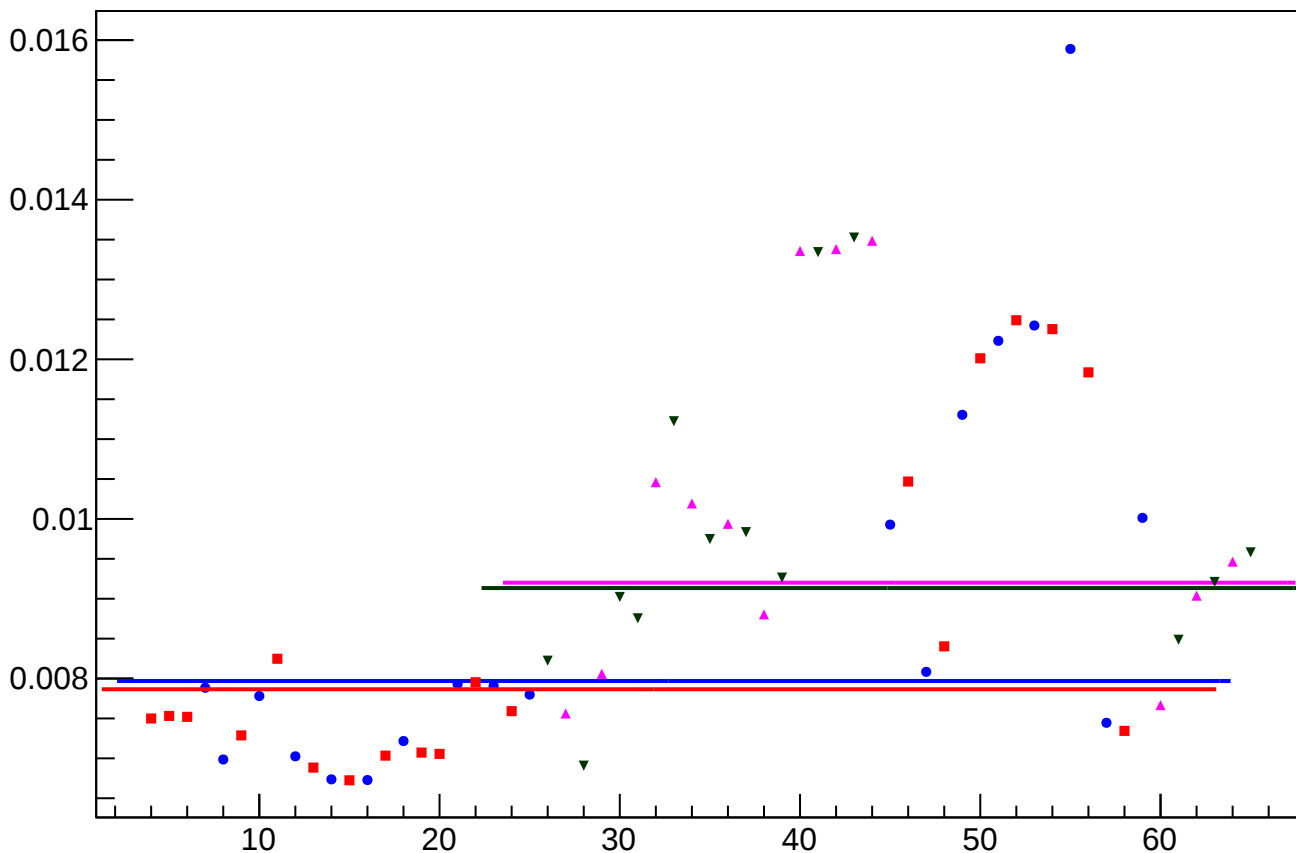
-0.147+/-0.000 χ^2/NDF : 7345790715.6/30

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

-0.148+/-0.000 χ^2/NDF : 6066339477.9/30

Left In: -0.024+/-0.000 χ^2/NDF : 37496636.9/11

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 : 417395.7/12

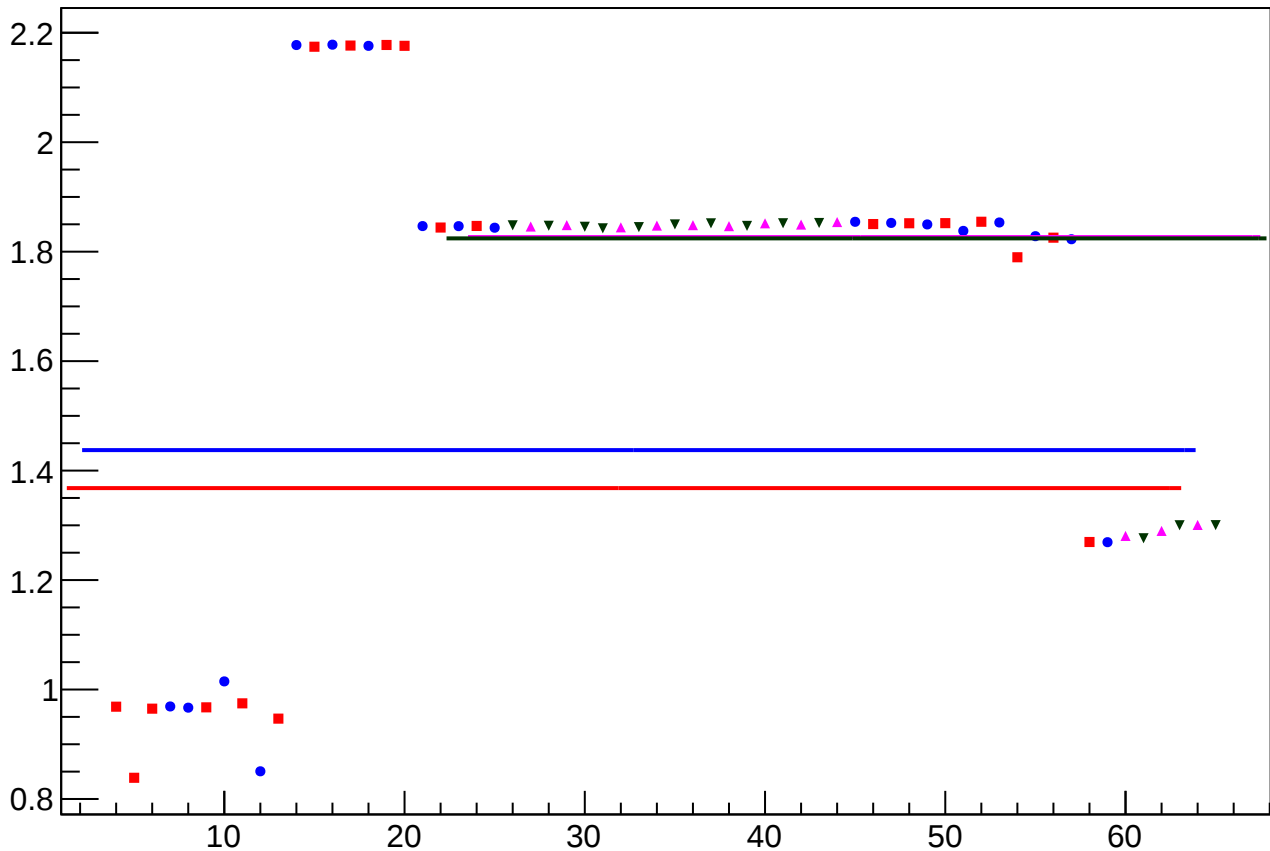
Right Out: 0.008+/-0.000 χ^2/NDF : 696189.4/18

Left In: 0.009+/-0.000 χ^2/NDF : 498384.7/11

0.008+/-0.000 χ^2/NDF : 1504404.6/30

0.008+/-0.000 χ^2/NDF : 1383087.2/30

yield_bpm4aY_mean vs slug



Right In: 1.437+/-0.000 χ^2/NDF : 14236590294.3/17

Left Out: 1.824+/-0.000 χ^2/NDF : 375167617.0/12

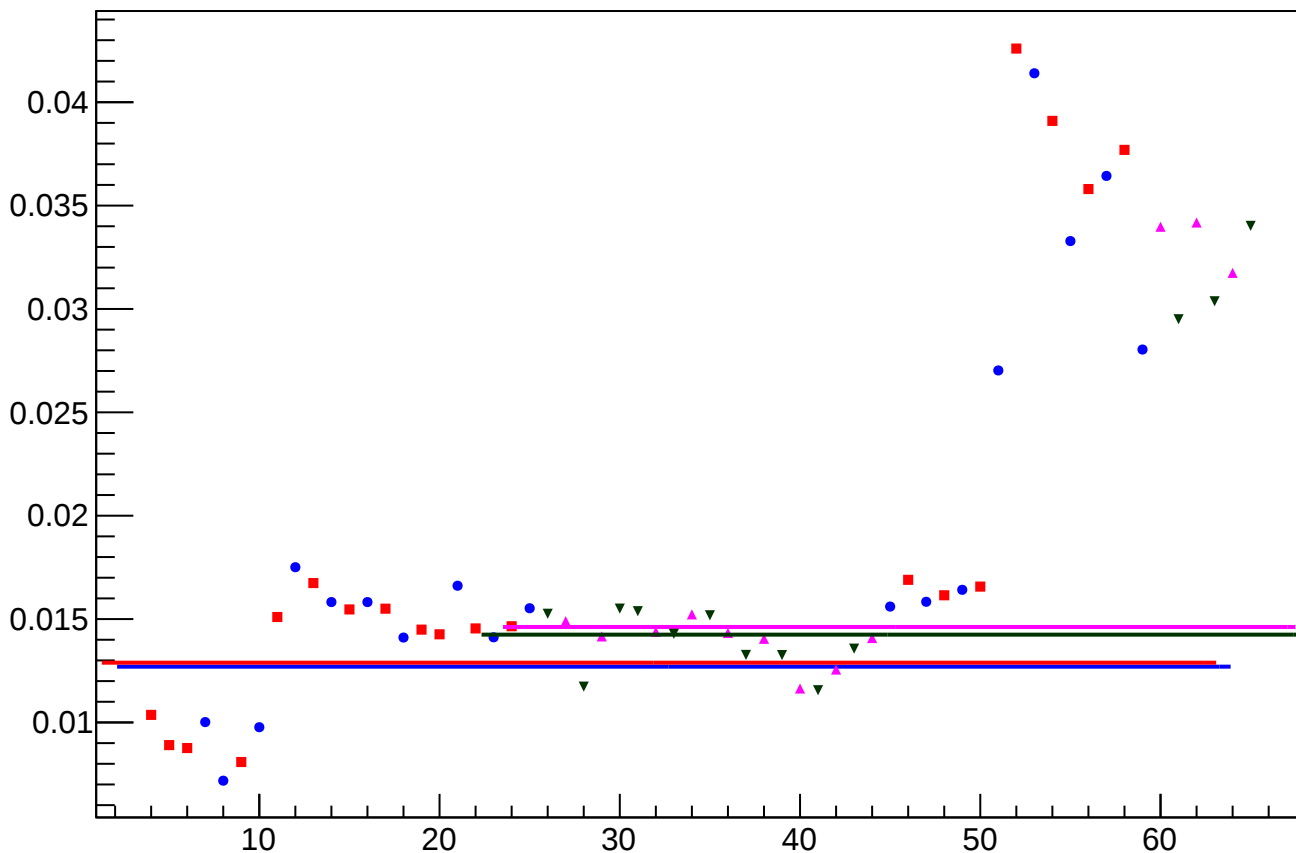
1.571+/-0.000 χ^2/NDF : 17445475439.6/30

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

1.542+/-0.000 χ^2/NDF : 16787480406.1/30

Left In: 1.827+/-0.000 χ^2/NDF : 341543596.5/11

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 : 879097.3/12

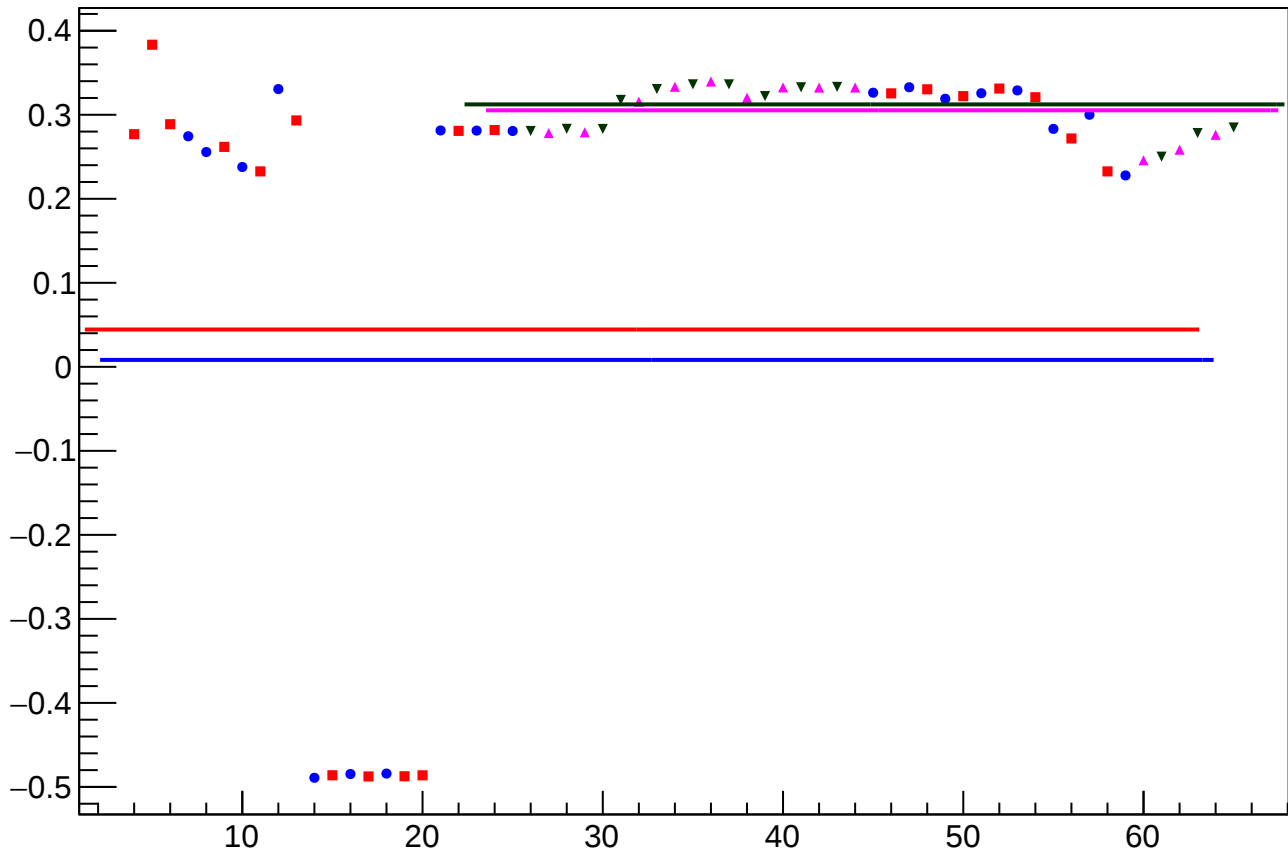
Right Out: 0.013+/-0.000 χ^2/NDF : 2814614.5/18

Left In: 0.015+/-0.000 χ^2/NDF : 885170.4/11

0.013+/-0.000 χ^2/NDF : 4504778.5/30

0.014+/-0.000 χ^2/NDF : 3809013.2/30

yield_bpm4eX_mean vs slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 3589016563.4/17

Left Out: 0.312 $\pm$ 0.000 χ^2 /NDF: 6504022.9/12

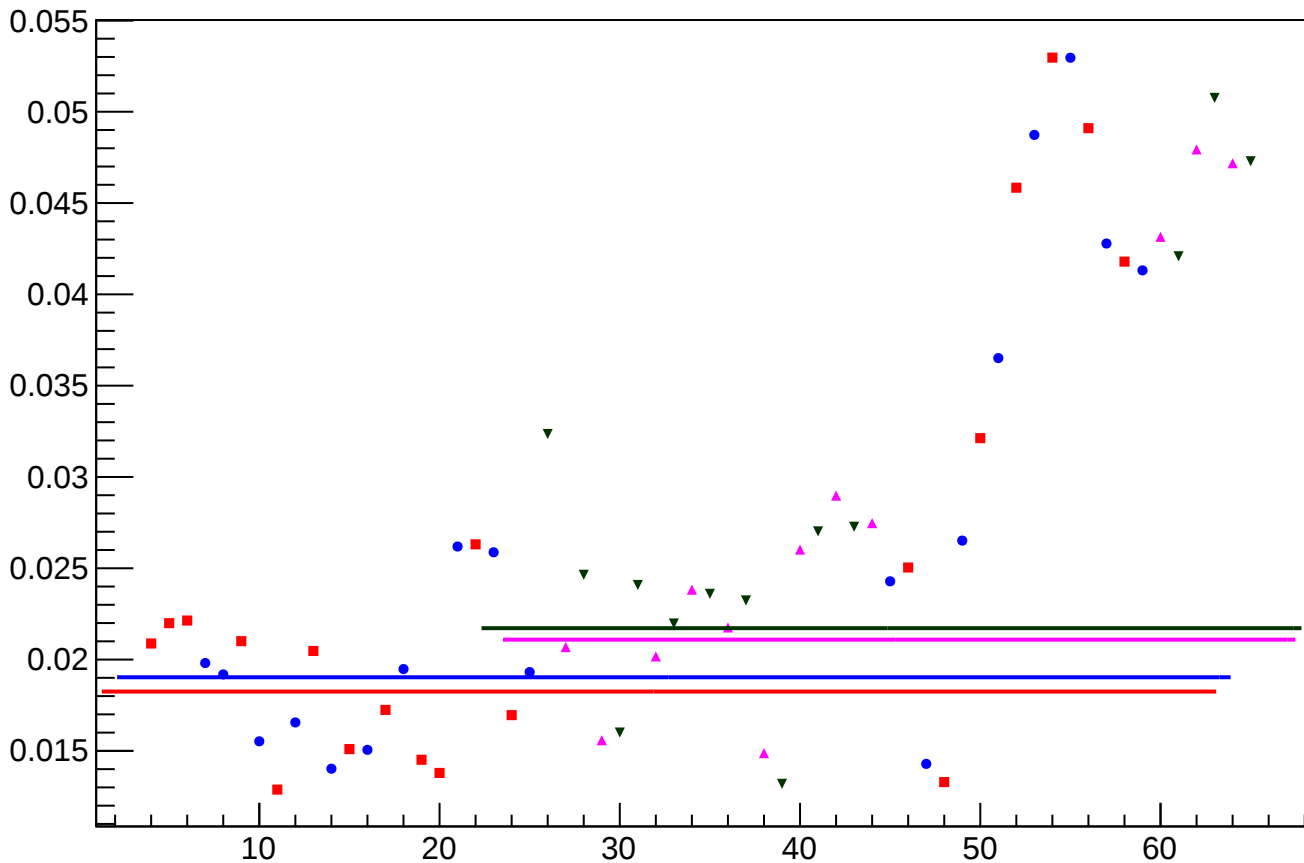
0.104 $\pm$ 0.000 χ^2 /NDF: 4349630837.4/30

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

0.136 $\pm$ 0.000 χ^2 /NDF: 3761631850.5/30

Left In: 0.305 $\pm$ 0.000 χ^2 /NDF: 9002979.9/11

yield_bpm4eX_rms vs slug



Right In: 0.019+/-0.000 χ^2/NDF : 2594784.8/17

Left Out: 0.022+/-0.000 χ^2/NDF :1564944.1/12

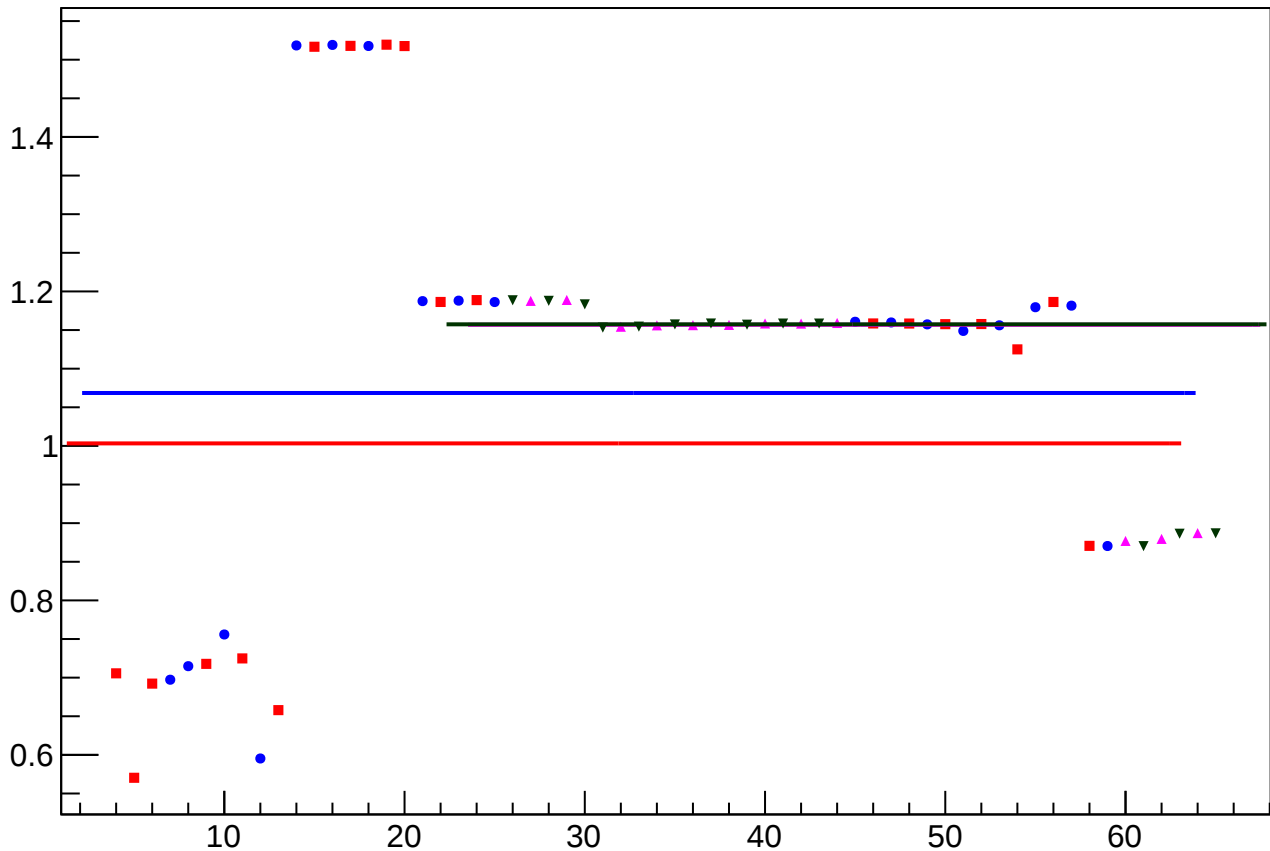
Right Out: 0.018+/-0.000 χ^2/NDF : 2485378.5/18

Left In: 0.021+/-0.000 χ^2/NDF :1378687.3/11

0.020+/-0.000 χ^2/NDF : 4277456.5/30

0.019+/-0.000 χ^2/NDF : 4005447.1/30

yield_bpm4eY_mean vs slug



Right In: 1.069+/-0.000 χ^2/NDF : 10548206682.3/17

Left Out: 1.157+/-0.000 χ^2/NDF :163224780.4/12

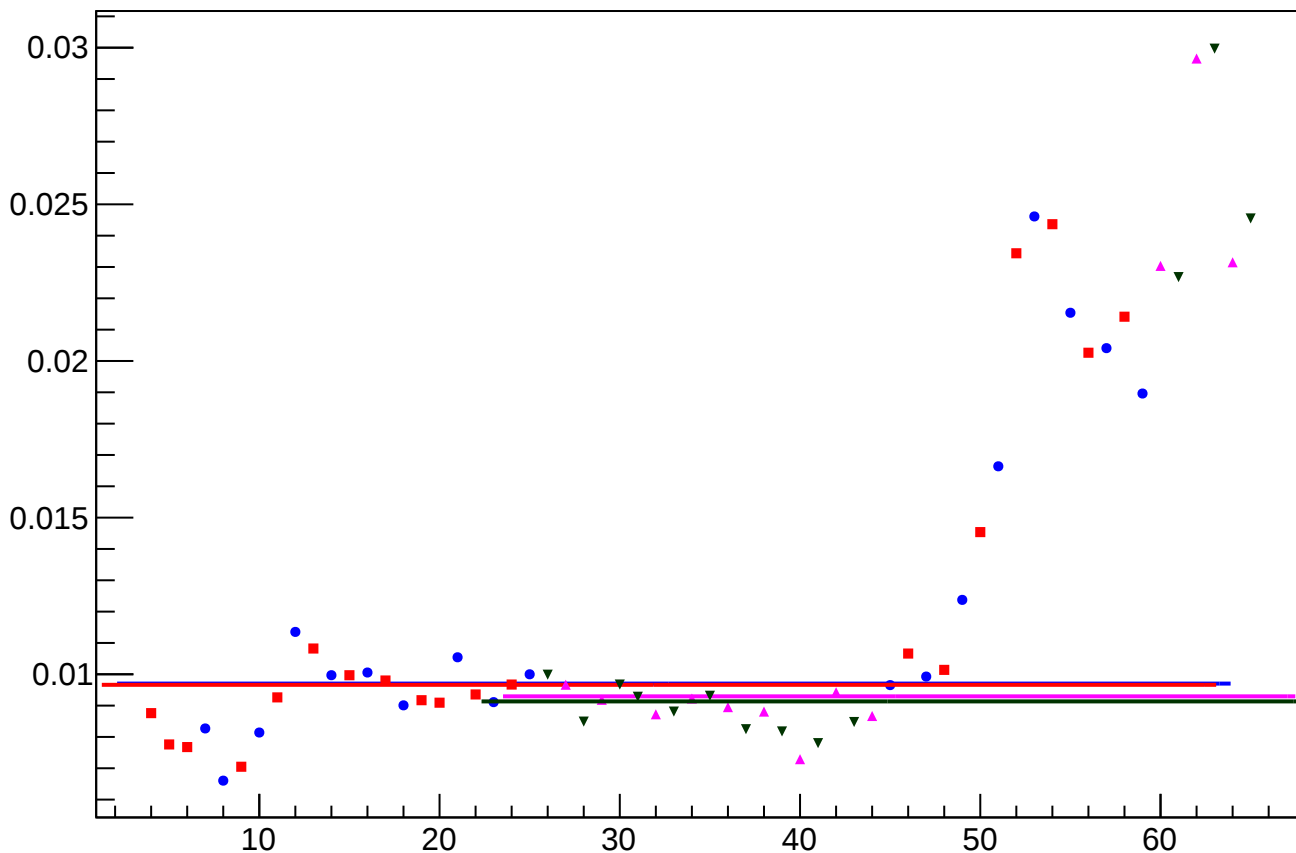
1.105+/-0.000 χ^2/NDF : 11037784937.0/30

Right Out: 1.003+/-0.000 χ^2/NDF : 10291656361.5/18

1.070+/-0.000 χ^2/NDF : 11411169709.5/30

Left In: 1.157+/-0.000 χ^2/NDF :175254480.0/11

yield_bpm4eY_rms vs slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1905622.6/17

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 1120381.7/12

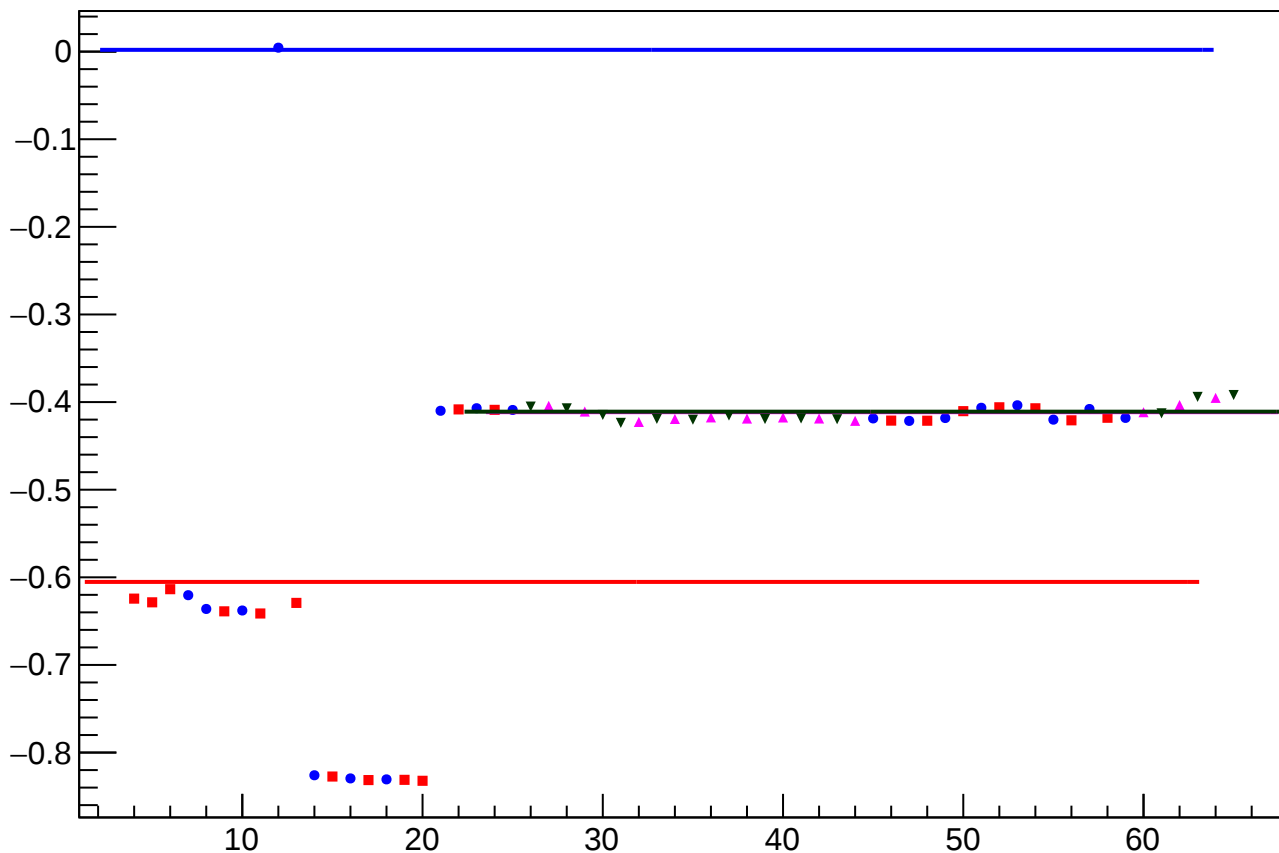
Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1597012.3/18

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 1089911.6/11

0.009 $\pm$ 0.000 χ^2 /NDF: 3052723.1/30

0.010 $\pm$ 0.000 χ^2 /NDF: 2697768.6/30

yield_bpm4acX_mean vs slug



Right In: 0.002+/-0.000 χ^2/NDF : 59749781854.5/17

Left Out: -0.411+/-0.000 χ^2/NDF : 6790186.7/12

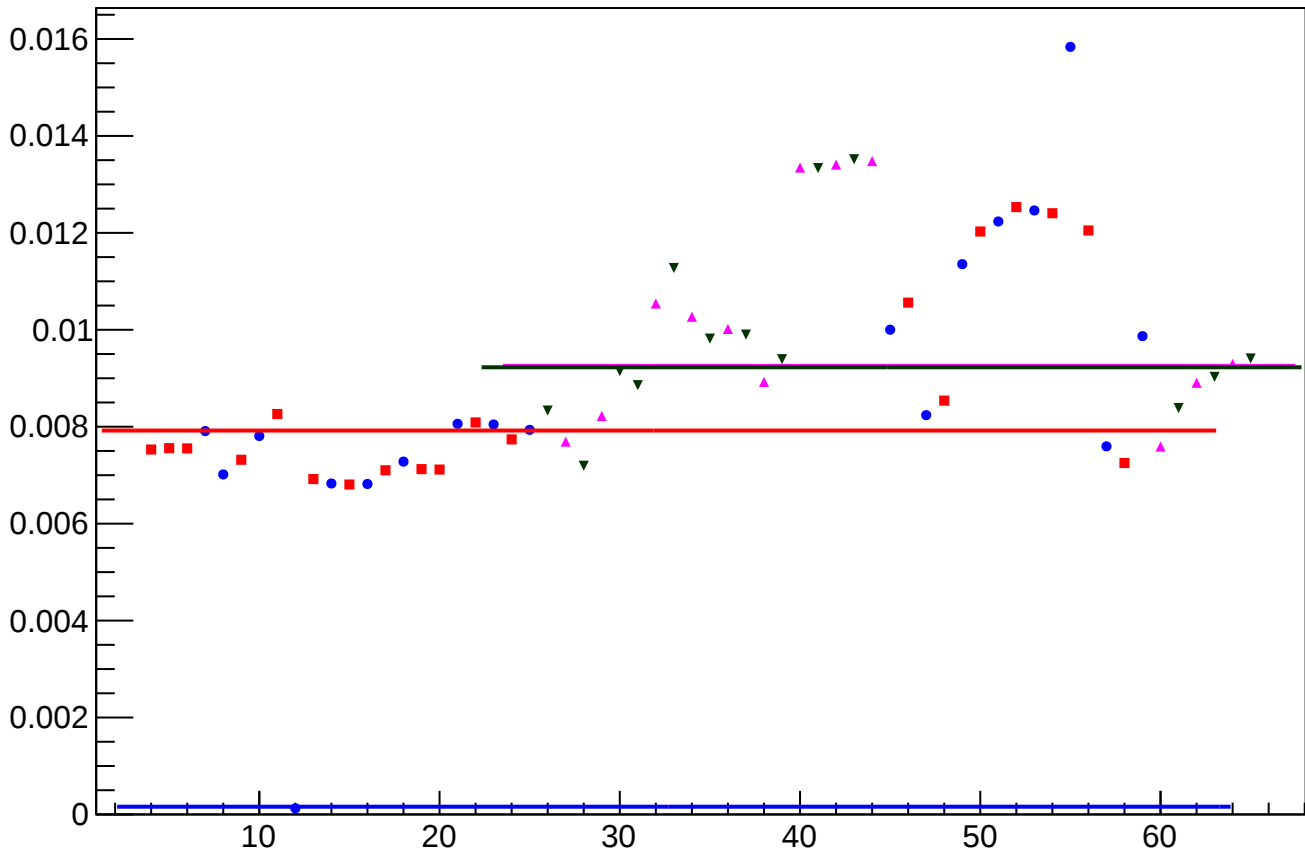
Right Out: -0.605+/-0.000 χ^2/NDF : 3819629229.5/18

Left In: -0.412+/-0.000 χ^2/NDF : 5097896.3/11

0.001+/-0.000 χ^2/NDF : 72708844553.9/30

-0.538+/-0.000 χ^2/NDF : 5785741297.2/30

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 : 375663.0/12

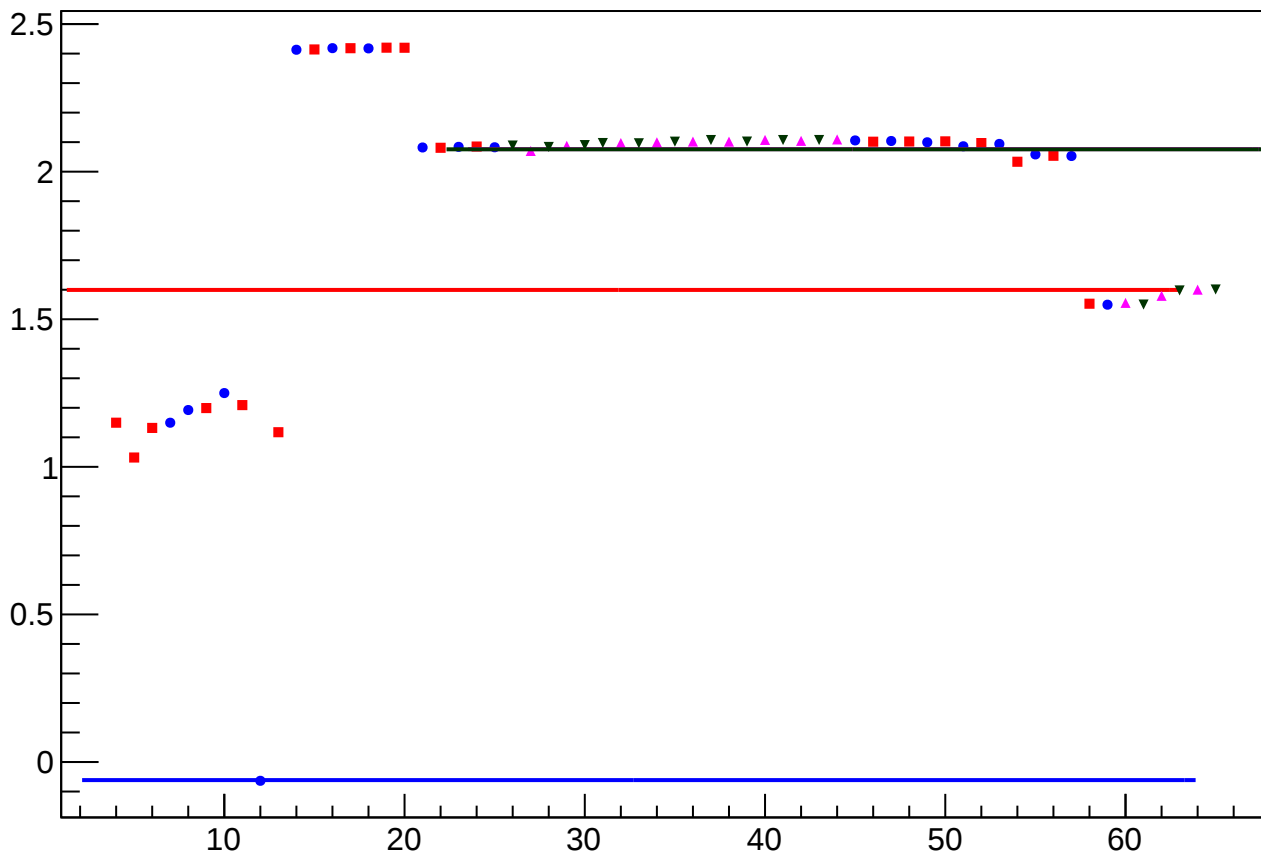
0.000+/-0.000 χ^2/NDF : 33123907.1/30

Right Out: 0.008+/-0.000 χ^2/NDF : 697414.3/18

0.008+/-0.000 χ^2/NDF : 1367588.3/30

Left In: 0.009+/-0.000 χ^2/NDF : 484194.9/11

yield_bpm4acY_mean vs slug



Right In: -0.061±/-0.000 χ^2/NDF : 171003968524.2/17

Left Out: 2.076±/-0.000 χ^2/NDF : 316515489.5/12

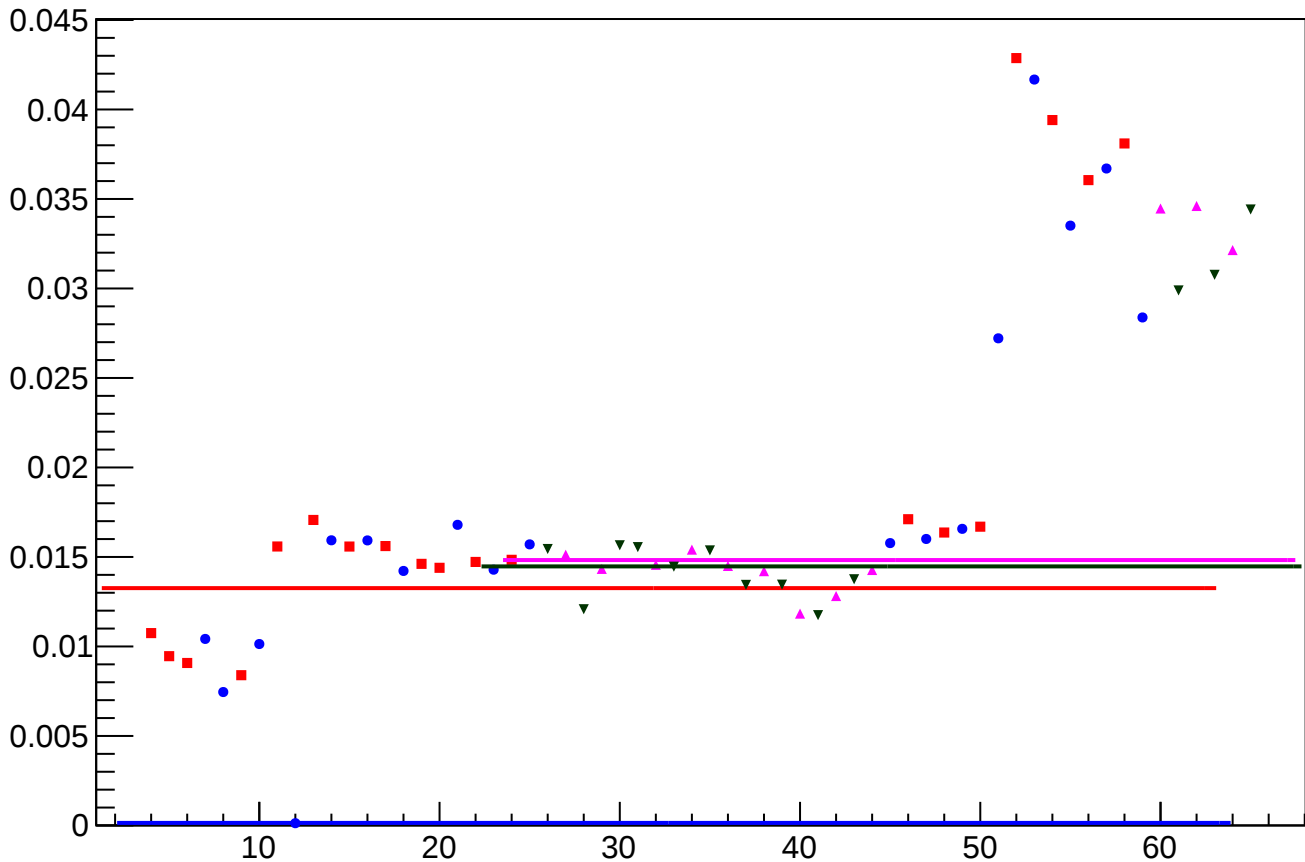
Right Out: 1.599±/-0.000 χ^2/NDF : 13096029057.2/18

Left In: 2.076±/-0.000 χ^2/NDF : 289560366.4/11

-0.060±/-0.000 χ^2/NDF : 299640634491.3/30

1.783±/-0.000 χ^2/NDF : 17399796110.9/30

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 :866047.5/12

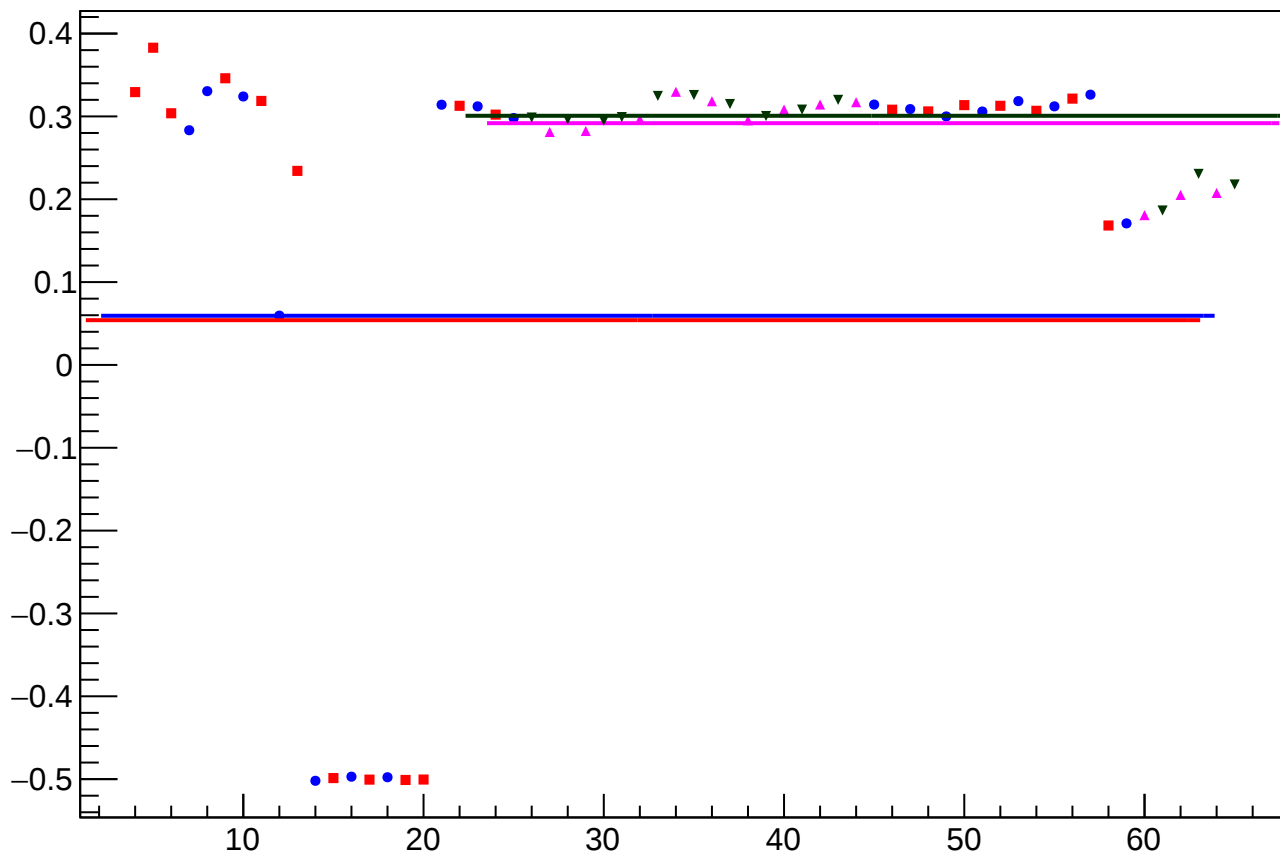
Right Out: 0.013+/-0.000 χ^2/NDF : 2690130.8/18

Left In: 0.015+/-0.000 χ^2/NDF :881282.0/11

0.000+/-0.000 χ^2/NDF : 32038791.8/30

0.014+/-0.000 χ^2/NDF : 3658181.9/30

yield_bpm4ecX_mean vs slug



Right In: 0.059+/-0.000 χ^2/NDF : 3888801914.2/17

Left Out: 0.301+/-0.000 χ^2/NDF : 7513455.9/12

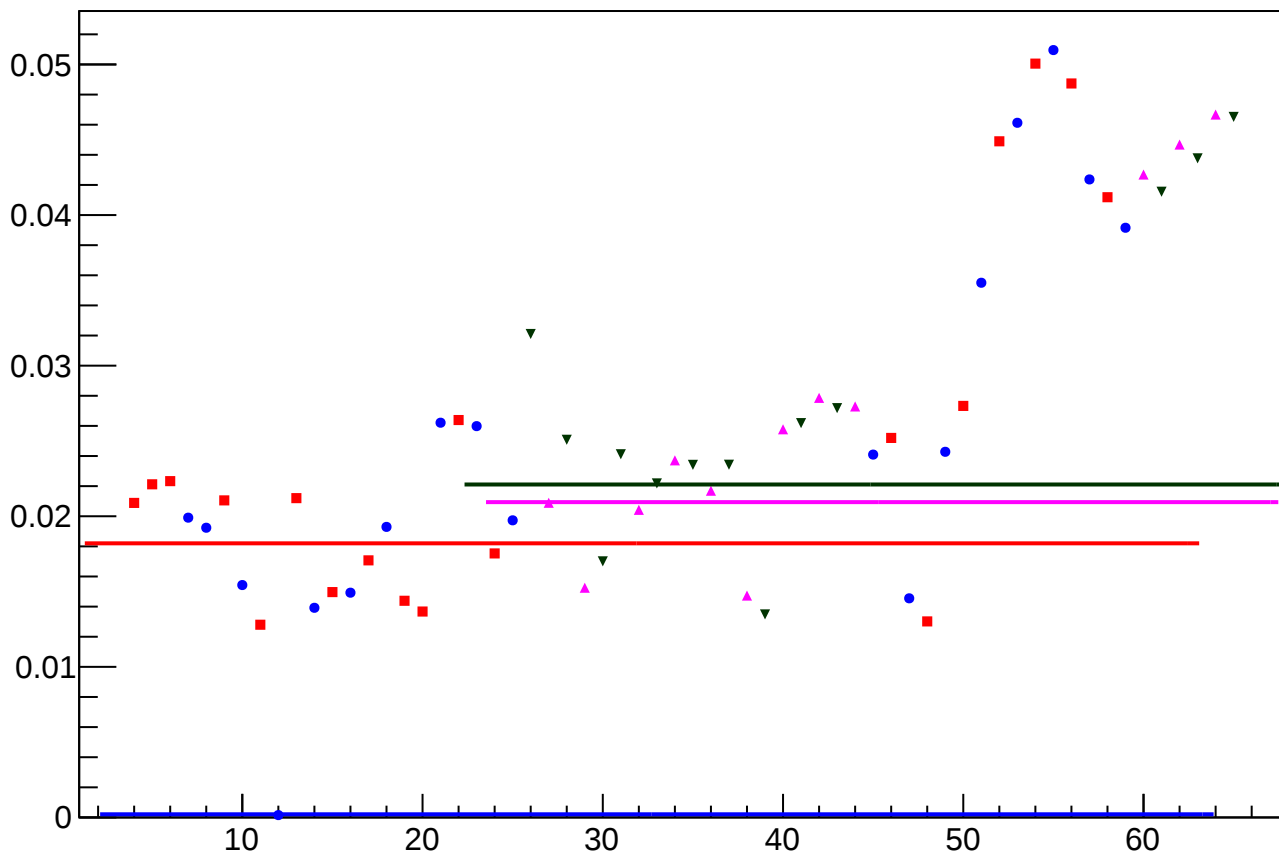
Right Out: 0.054+/-0.000 χ^2/NDF : 3509628523.3/18

Left In: 0.292+/-0.000 χ^2/NDF : 10154601.1/11

0.060+/-0.000 χ^2/NDF : 4578832094.3/30

0.138+/-0.000 χ^2/NDF : 4023328475.1/30

yield_bpm4ecX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 19749394.2/17

Left Out: 0.022+/-0.000 χ^2/NDF :1377647.5/12

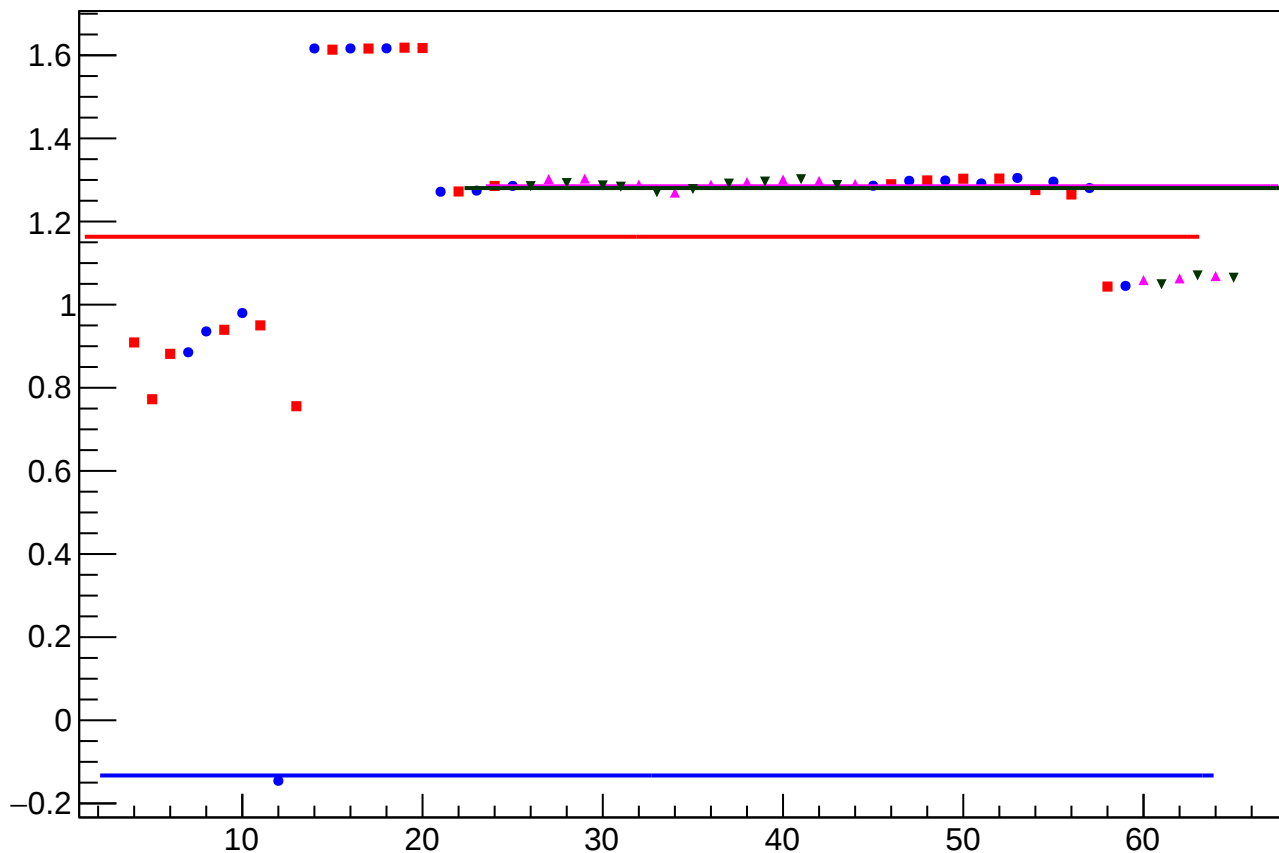
Right Out: 0.018+/-0.000 χ^2/NDF : 2422437.2/18

Left In: 0.021+/-0.000 χ^2/NDF :1362952.5/11

0.000+/-0.000 χ^2/NDF : 32358476.0/30

0.019+/-0.000 χ^2/NDF : 3918652.0/30

yield_bpm4ecY_mean vs slug



Right In: -0.133+/-0.000 χ^2/NDF : 169320914657.8/17

Left Out: 1.280+/-0.000 χ^2/NDF : 94214402.3/12

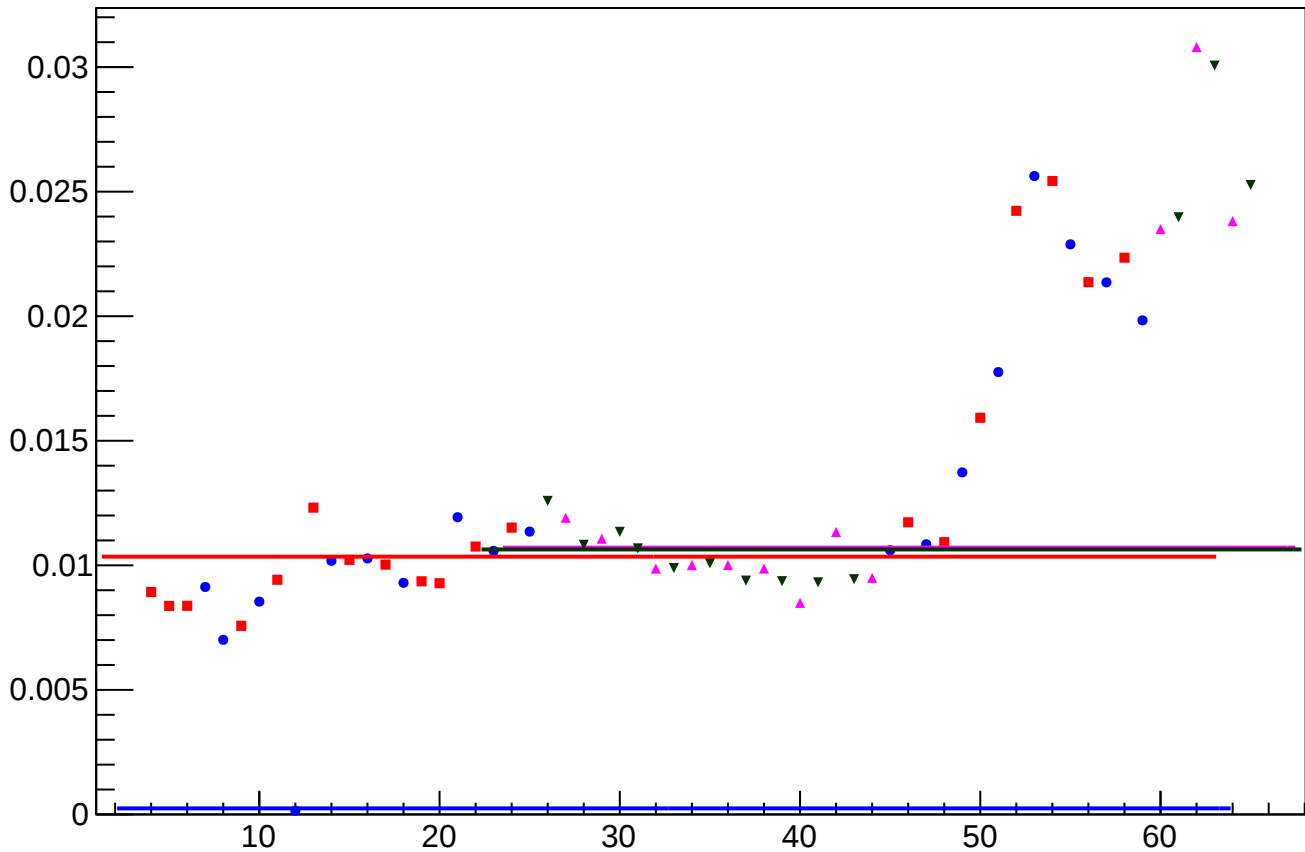
Right Out: 1.163+/-0.000 χ^2/NDF : 7253036603.9/18

Left In: 1.285+/-0.000 χ^2/NDF : 105485980.1/11

-0.125+/-0.000 χ^2/NDF : 272585963264.9/30

1.213+/-0.000 χ^2/NDF : 7834863795.9/30

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 : 1000535.3/12

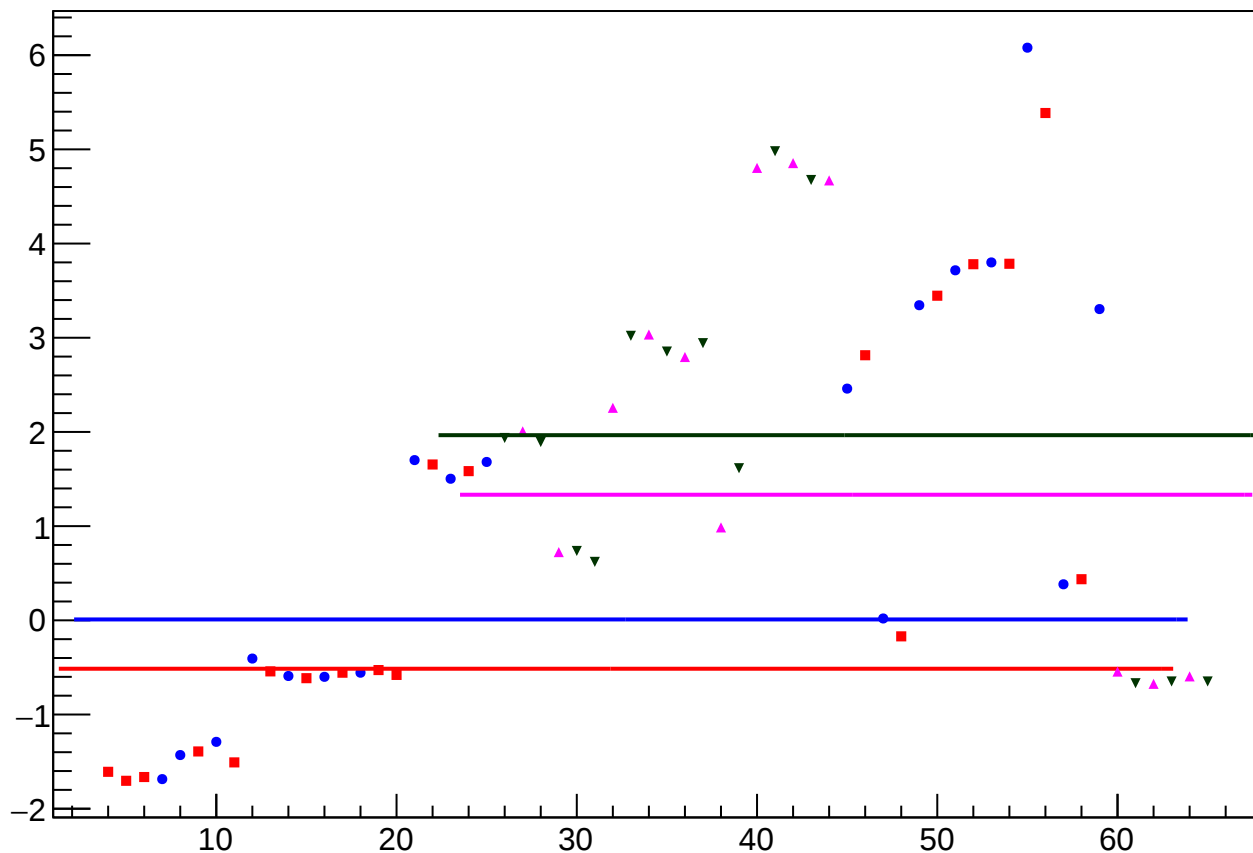
Right Out: 0.010+/-0.000 χ^2/NDF : 1619353.0/18

Left In: 0.011+/-0.000 χ^2/NDF : 1004575.4/11

0.000+/-0.000 χ^2/NDF : 31365302.3/30

0.010+/-0.000 χ^2/NDF : 2632468.5/30

yield_bpm1X_mean vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 18135045883.2/17

Left Out: 1.966+/-0.000 χ^2/NDF :1830365874.2/12

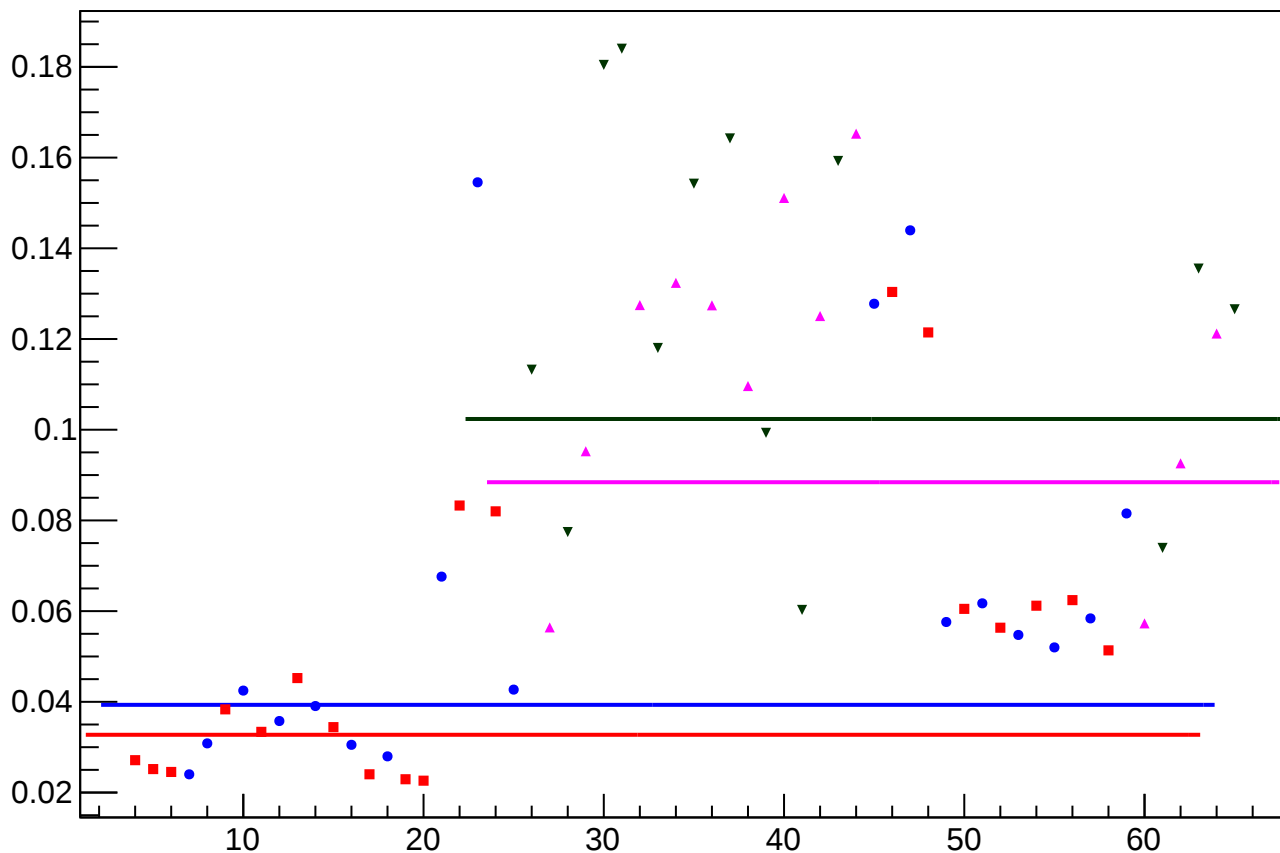
Right Out: -0.514+/-0.000 χ^2/NDF : 14474436949.2/18

Left In: 1.333+/-0.000 χ^2/NDF :1804754023.9/11

0.177+/-0.000 χ^2/NDF : 21529870077.4/30

-0.342+/-0.000 χ^2/NDF : 18221995860.9/30

yield_bpm1X_rms vs slug



Right In: 0.039 $\pm$ 0.000 χ^2/NDF : 3078164.7/17

Left Out: 0.102 $\pm$ 0.000 χ^2/NDF :1266710.6/12

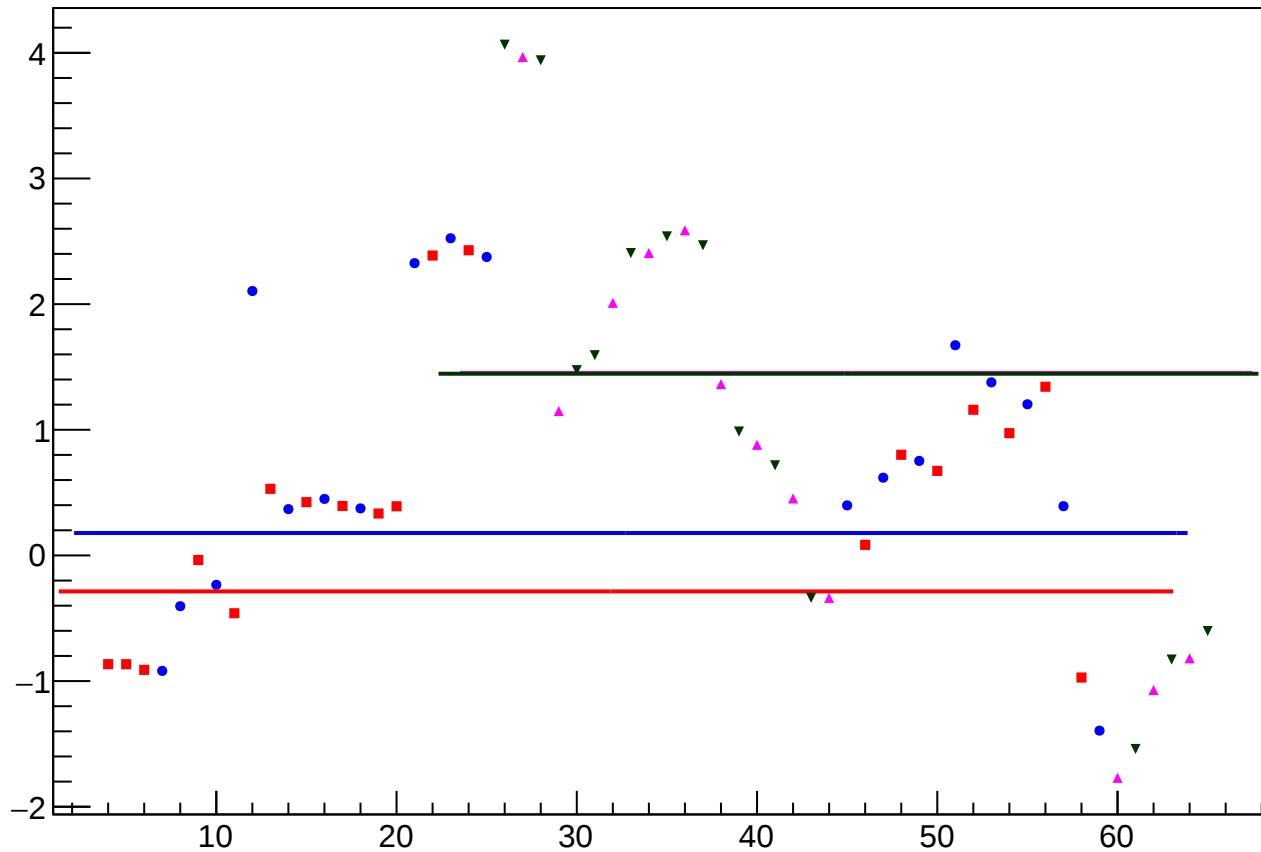
Right Out: 0.033 $\pm$ 0.000 χ^2/NDF : 2838022.5/18

Left In: 0.088 $\pm$ 0.000 χ^2/NDF :1452490.9/11

0.045 $\pm$ 0.000 χ^2/NDF : 7592889.9/30

0.038 $\pm$ 0.000 χ^2/NDF : 7821947.9/30

yield_bpm1Y_mean vs slug



Right In: 0.178+/-0.000 χ^2/NDF : 9482704623.3/17

0.262+/-0.000 χ^2/NDF : 14175523041.0/30

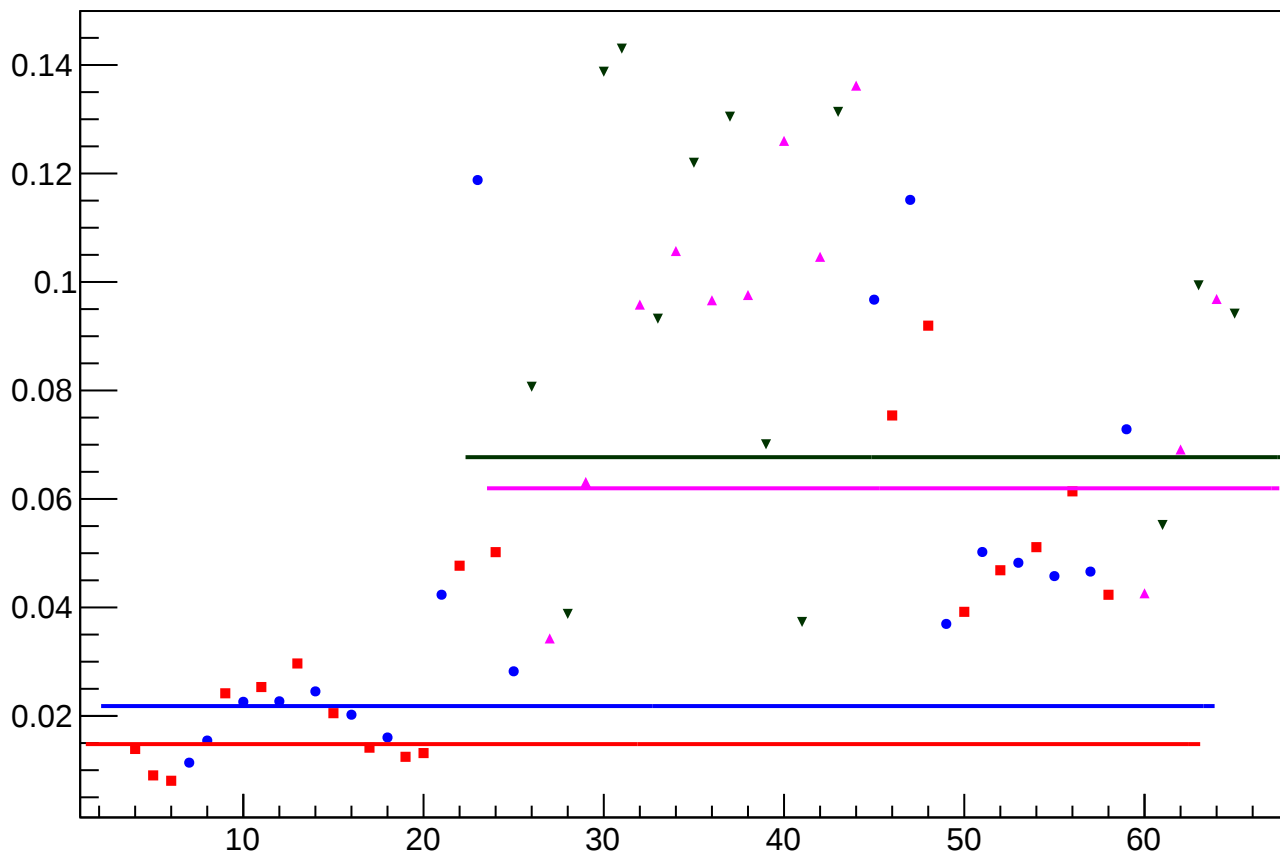
Left Out: 1.446+/-0.000 χ^2/NDF :3378108008.4/12

Right Out: -0.286+/-0.000 χ^2/NDF : 10734675455.5/18

-0.200+/-0.000 χ^2/NDF : 19726060379.8/30

Left In: 1.452+/-0.000 χ^2/NDF :5698832453.5/11

yield_bpm1Y_rms vs slug



Right In: 0.022 ± 0.000 χ^2/NDF : 4669284.8/17

Left Out: 0.068 ± 0.000 χ^2/NDF : 1964793.0/12

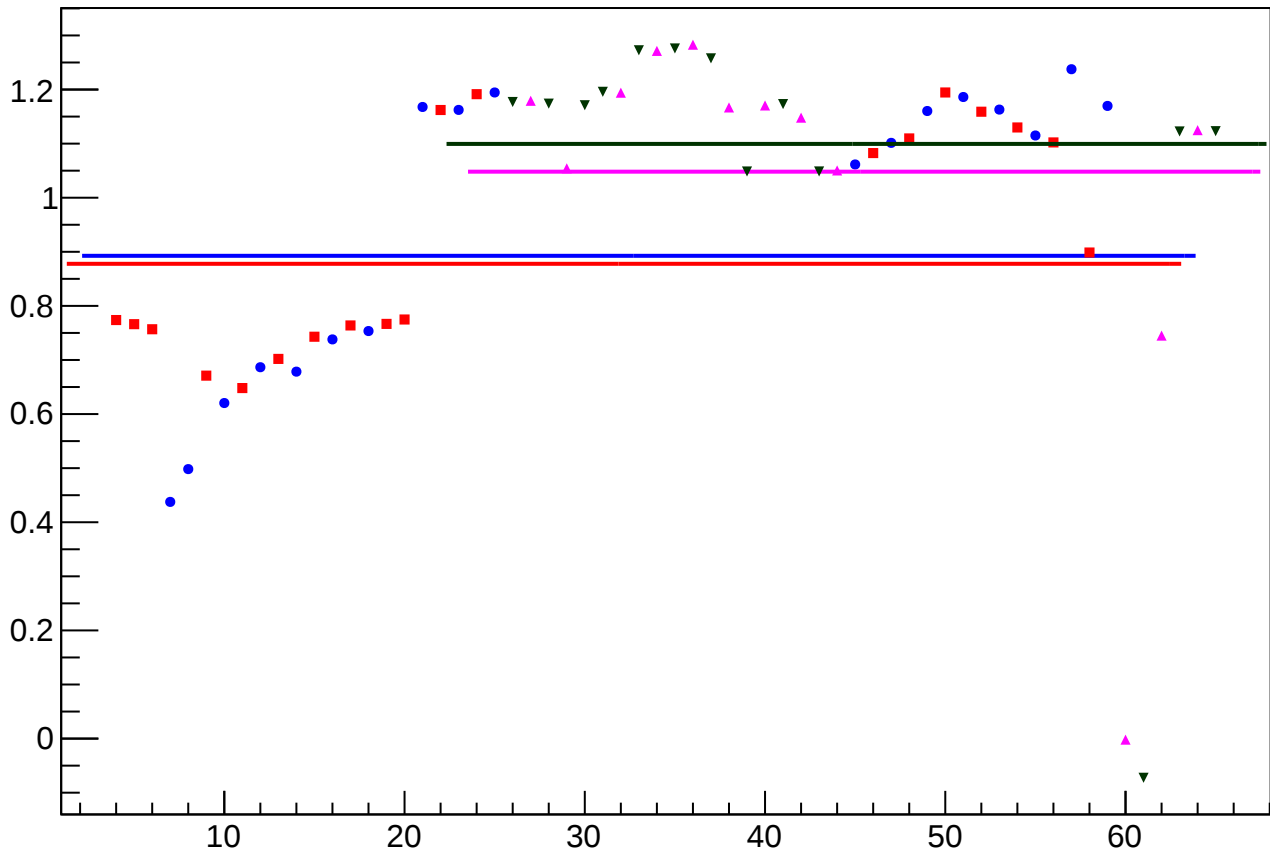
Right Out: 0.015 ± 0.000 χ^2/NDF : 4938559.5/18

Left In: 0.062 ± 0.000 χ^2/NDF : 2096072.0/11

0.025 ± 0.000 χ^2/NDF : 10078662.4/30

0.017 ± 0.000 χ^2/NDF : 11878263.9/30

yield_bpm11X_mean vs slug



Right In: 0.893+/-0.000 χ^2/NDF : 1629156385.0/17

Left Out: 1.099+/-0.000 χ^2/NDF :1062629699.6/12

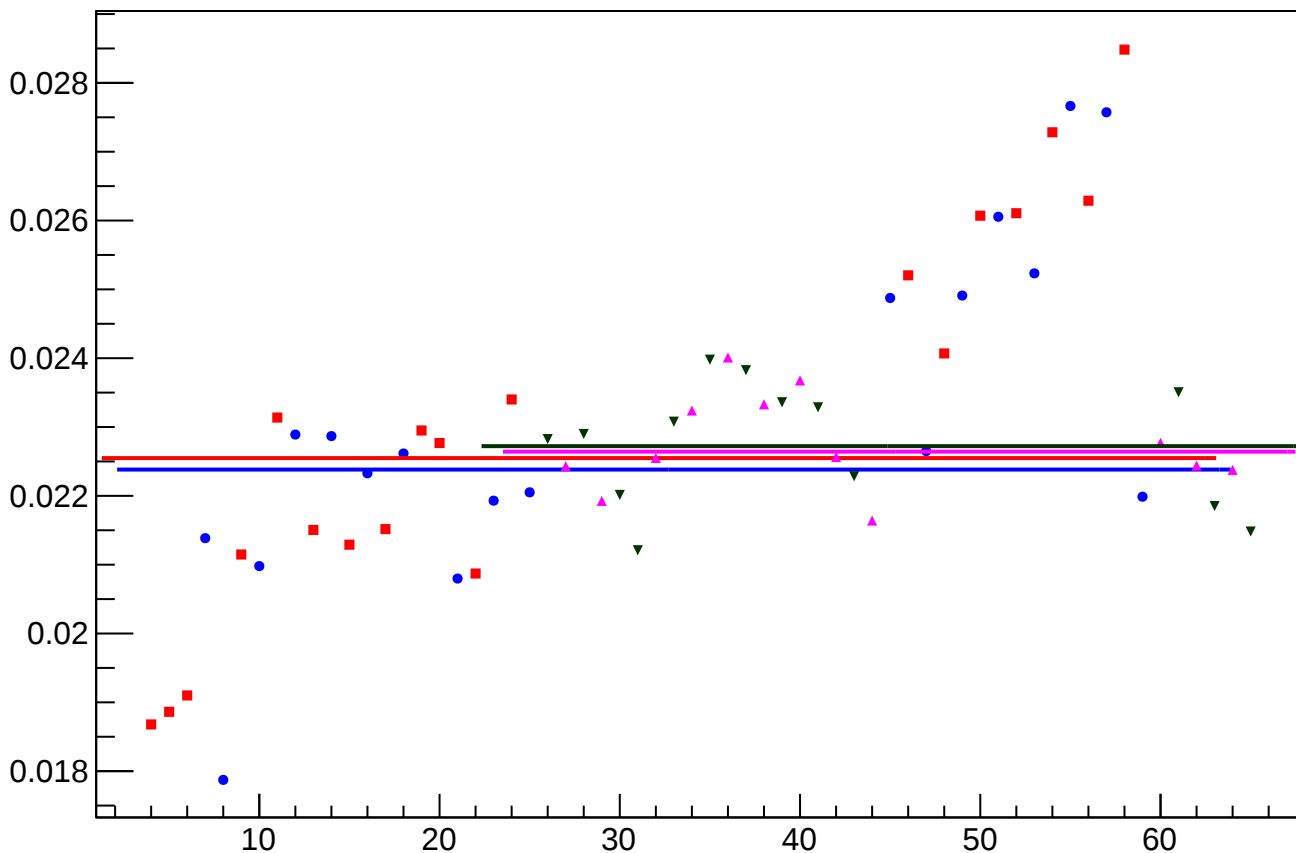
Right Out: 0.878+/-0.000 χ^2/NDF : 761495098.5/18

Left In: 1.048+/-0.000 χ^2/NDF :1326709231.6/11

0.969+/-0.000 χ^2/NDF : 3032376946.9/30

0.949+/-0.000 χ^2/NDF : 2315183432.3/30

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 :17730.0/12

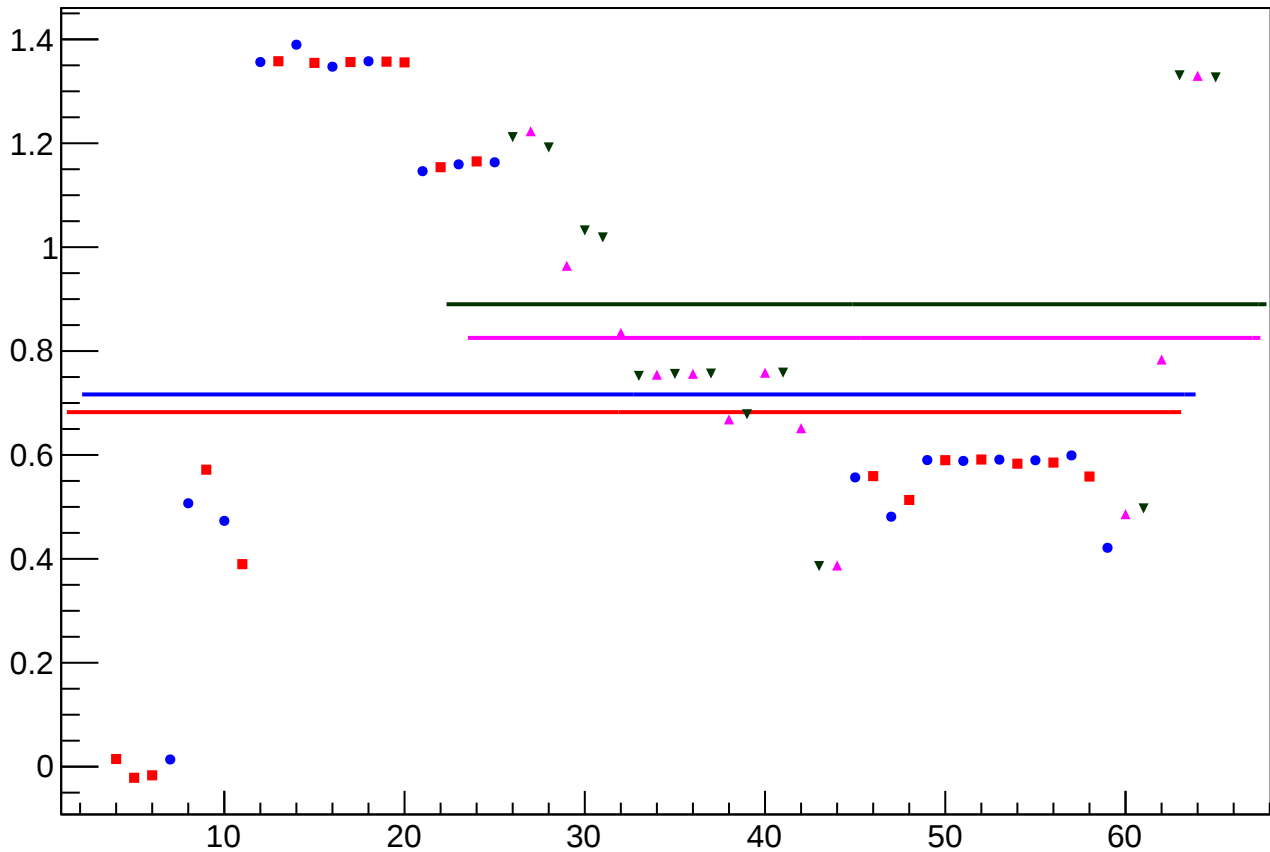
Right Out: 0.023+/-0.000 χ^2/NDF : 246194.4/18

Left In: 0.023+/-0.000 χ^2/NDF :10702.8/11

0.023+/-0.000 χ^2/NDF : 284181.4/30

0.023+/-0.000 χ^2/NDF : 257033.4/30

yield_bpm11Y_mean vs slug



Right In: 0.716+/-0.000 χ^2/NDF : 131330740430.7/17

Left Out: 0.890+/-0.000 χ^2/NDF :42610726263.9/12

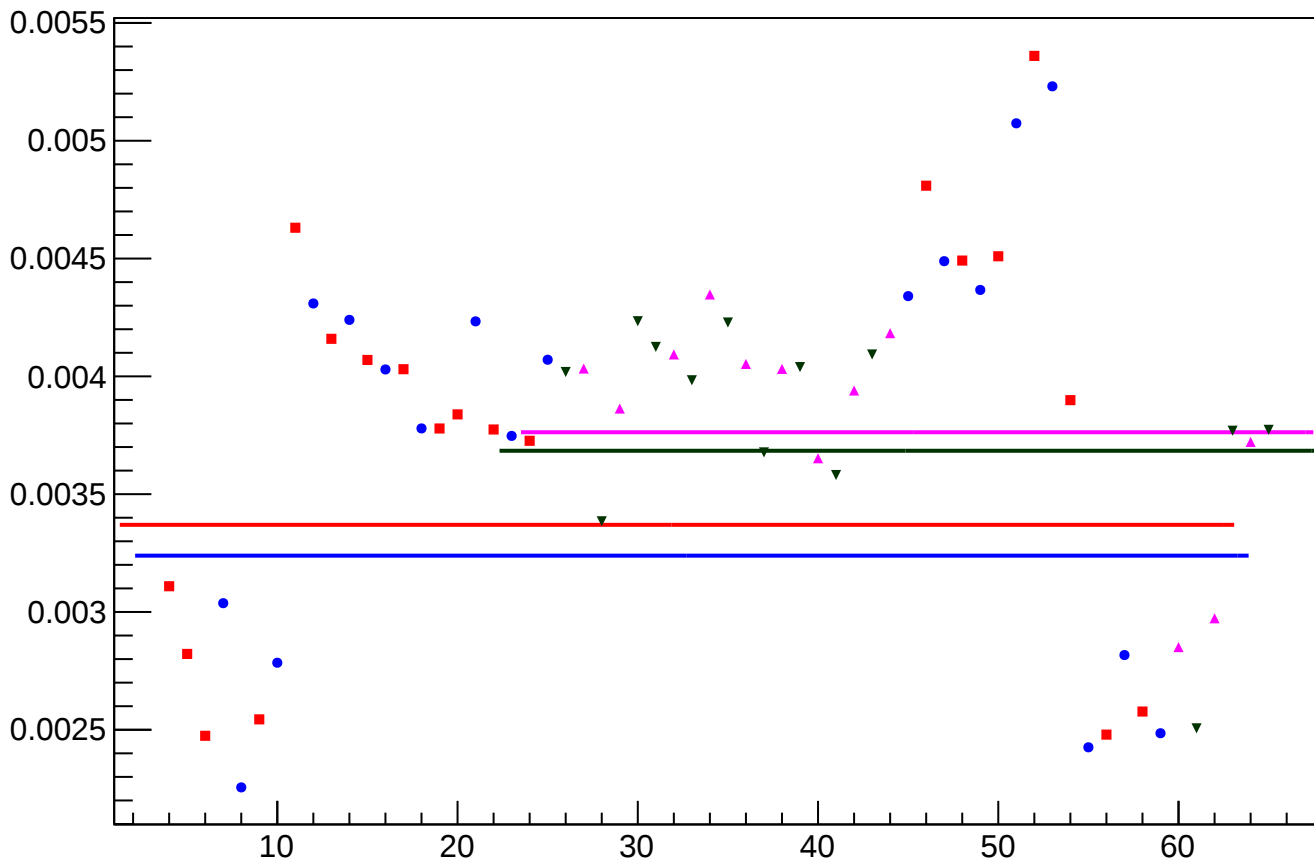
0.773+/-0.000 χ^2/NDF : 183379929262.3/30

Right Out: 0.682+/-0.000 χ^2/NDF : 168328456976.2/18

0.736+/-0.000 χ^2/NDF : 206769401927.6/30

Left In: 0.825+/-0.000 χ^2/NDF :32386485246.3/11

yield_bpm11Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 1552802.4/17

Left Out: 0.004+/-0.000 χ^2/NDF : 244559.2/12

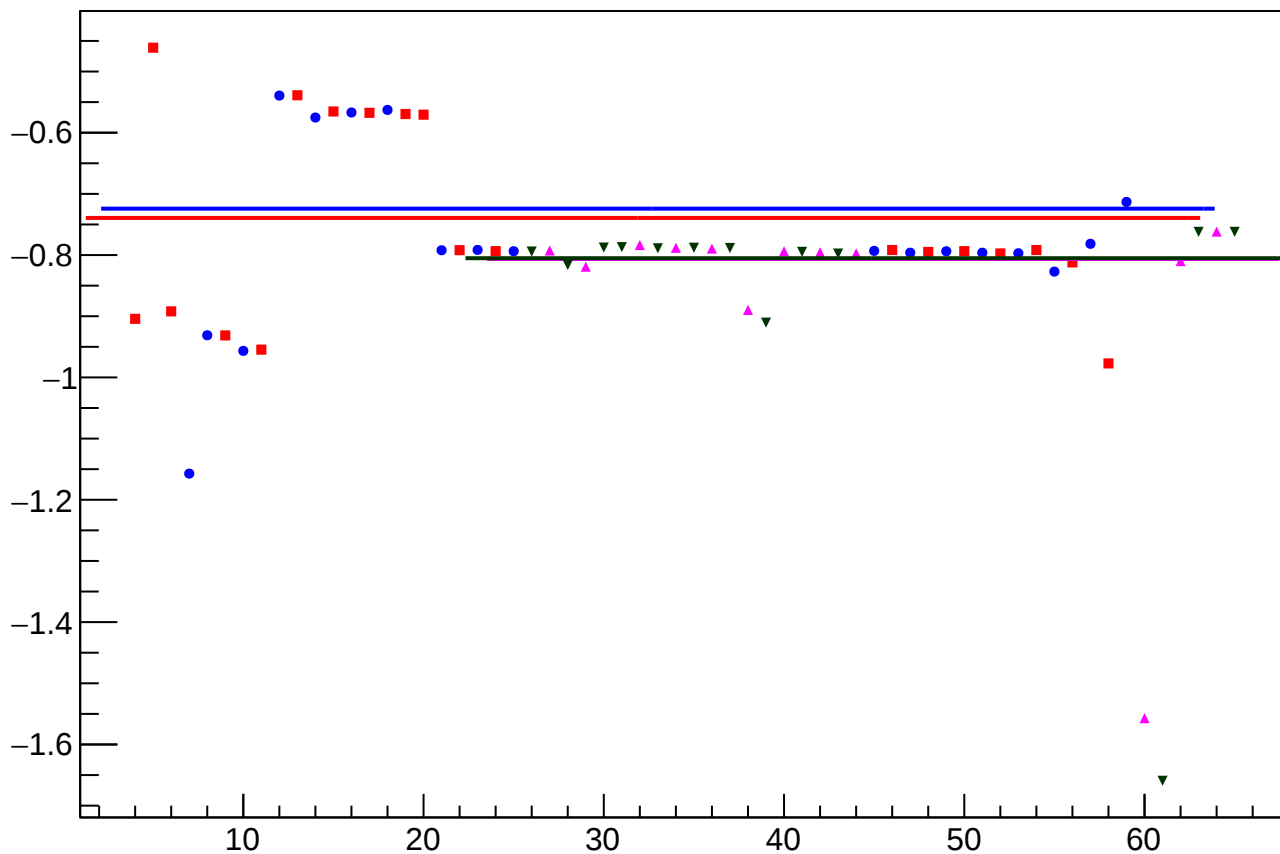
Right Out: 0.003+/-0.000 χ^2/NDF : 1158167.7/18

Left In: 0.004+/-0.000 χ^2/NDF : 199471.4/11

0.003+/-0.000 χ^2/NDF : 1921443.4/30

0.004+/-0.000 χ^2/NDF : 1449211.9/30

yield_bpm12X_mean vs slug



Right In: -0.724+/-0.000 χ^2/NDF : 2243966662.4/17

Left Out: -0.805+/-0.000 χ^2/NDF : 589107753.3/12

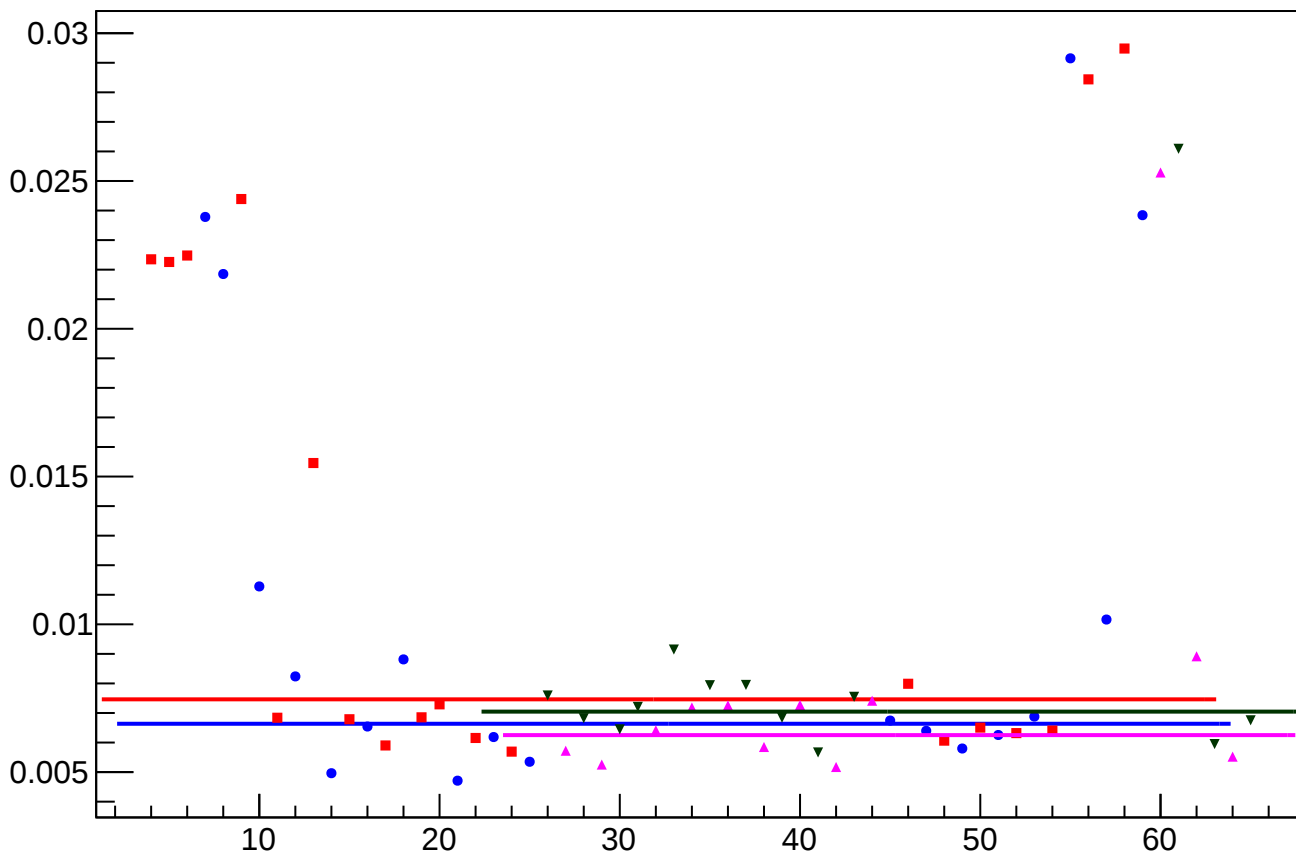
Right Out: -0.739+/-0.000 χ^2/NDF : 1945829237.2/18

Left In: -0.806+/-0.000 χ^2/NDF : 581190908.6/11

-0.755+/-0.000 χ^2/NDF : 3232680536.0/30

-0.775+/-0.000 χ^2/NDF : 2795456762.0/30

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 :586421.3/12

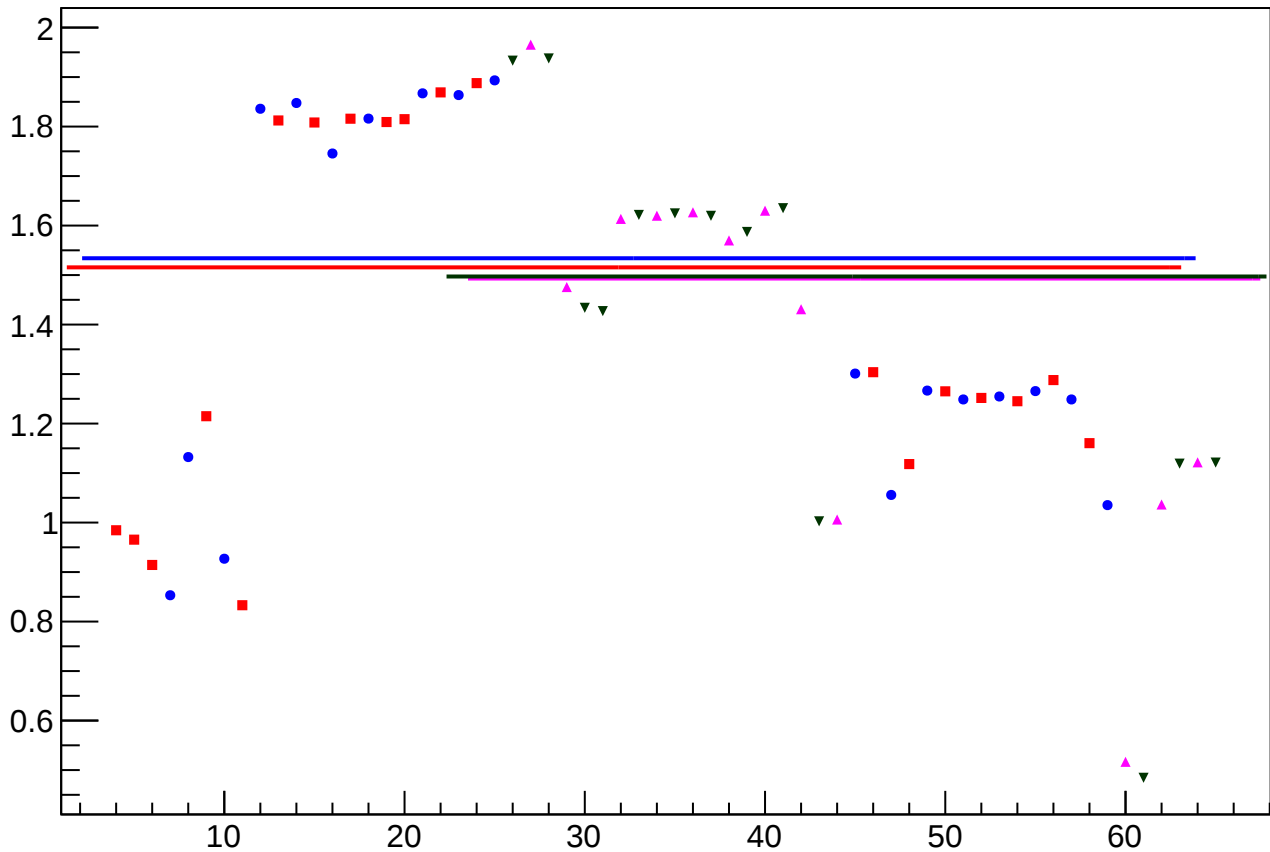
Right Out: 0.007+/-0.000 χ^2/NDF : 3478880.3/18

Left In: 0.006+/-0.000 χ^2/NDF :810671.2/11

0.007+/-0.000 χ^2/NDF : 3954521.7/30

0.007+/-0.000 χ^2/NDF : 4463827.0/30

yield_bpm12Y_mean vs slug



Right In: 1.534+/-0.000 χ^2/NDF : 22395382646.2/17

Left Out: 1.497+/-0.000 χ^2/NDF : 13506014697.7/12

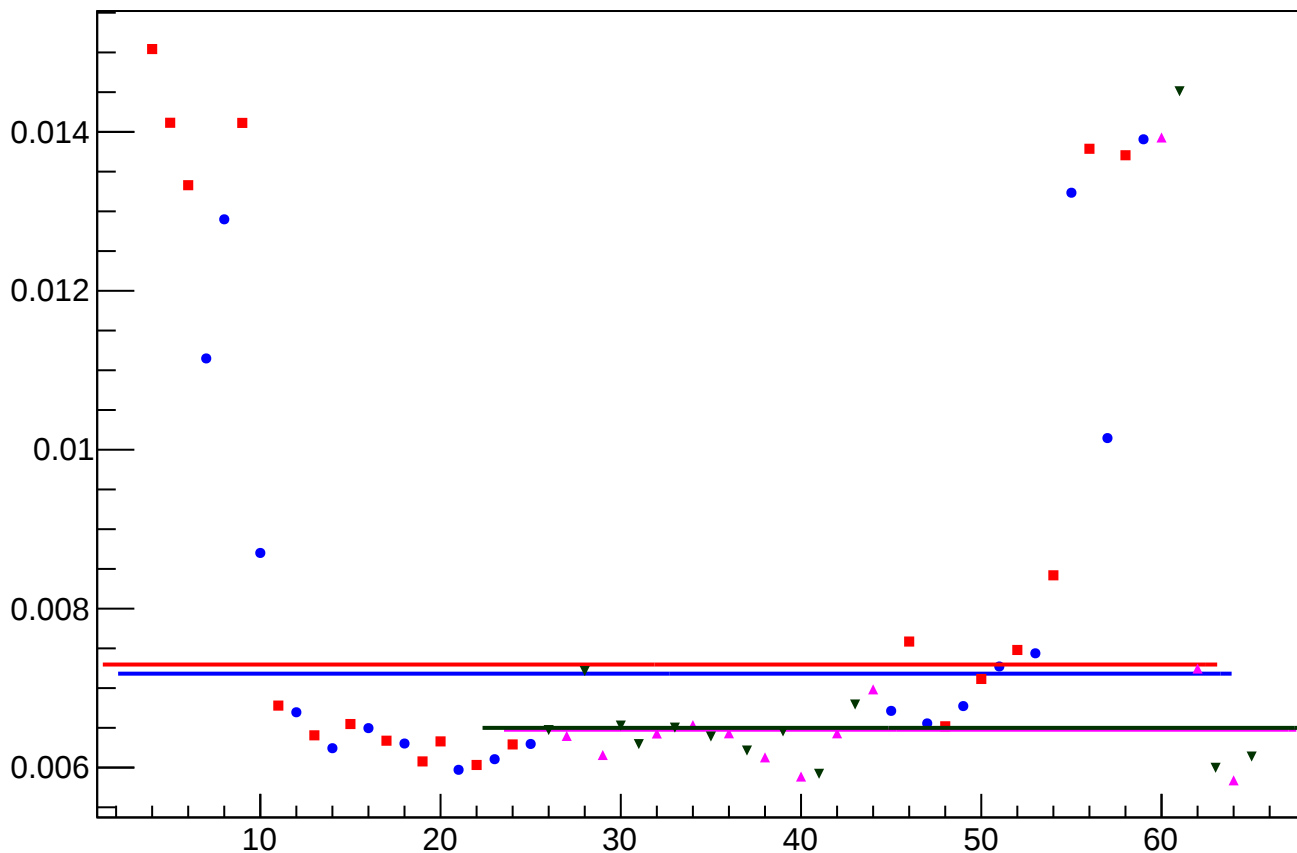
Right Out: 1.516+/-0.000 χ^2/NDF : 21754735470.0/18

Left In: 1.493+/-0.000 χ^2/NDF : 13742671915.5/11

1.518+/-0.000 χ^2/NDF : 36013210358.3/30

1.505+/-0.000 χ^2/NDF : 35537168673.4/30

yield_bpm12Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 1305539.8/17

Left Out: 0.006+/-0.000 χ^2/NDF : 291310.5/12

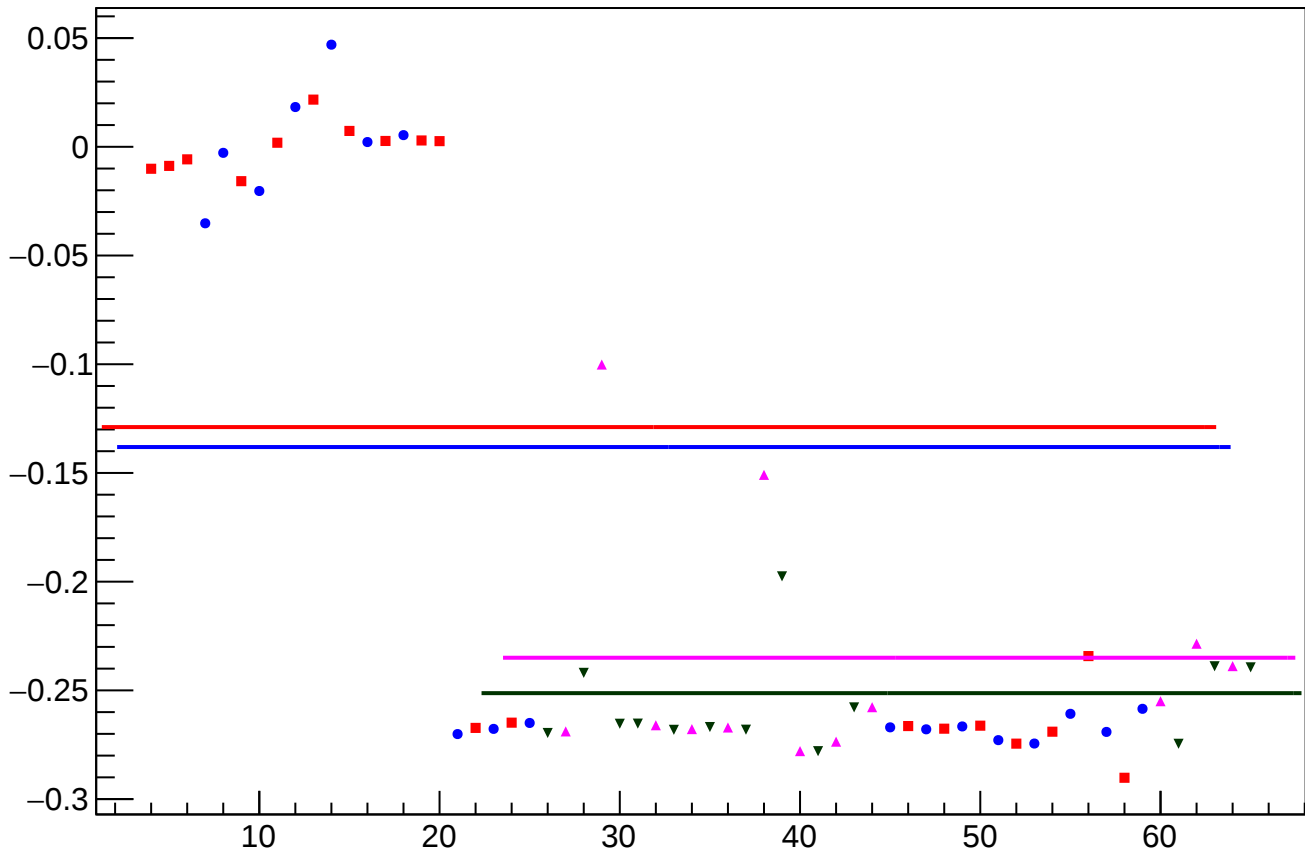
Right Out: 0.007+/-0.000 χ^2/NDF : 1457854.6/18

Left In: 0.006+/-0.000 χ^2/NDF : 331032.3/11

0.007+/-0.000 χ^2/NDF : 1673412.9/30

0.007+/-0.000 χ^2/NDF : 1893763.4/30

yield_bpm16X_mean vs slug



Right In: -0.138+/-0.000 χ^2/NDF : 7275574194.7/17

Left Out: -0.251+/-0.000 χ^2/NDF : 121956903.1/12

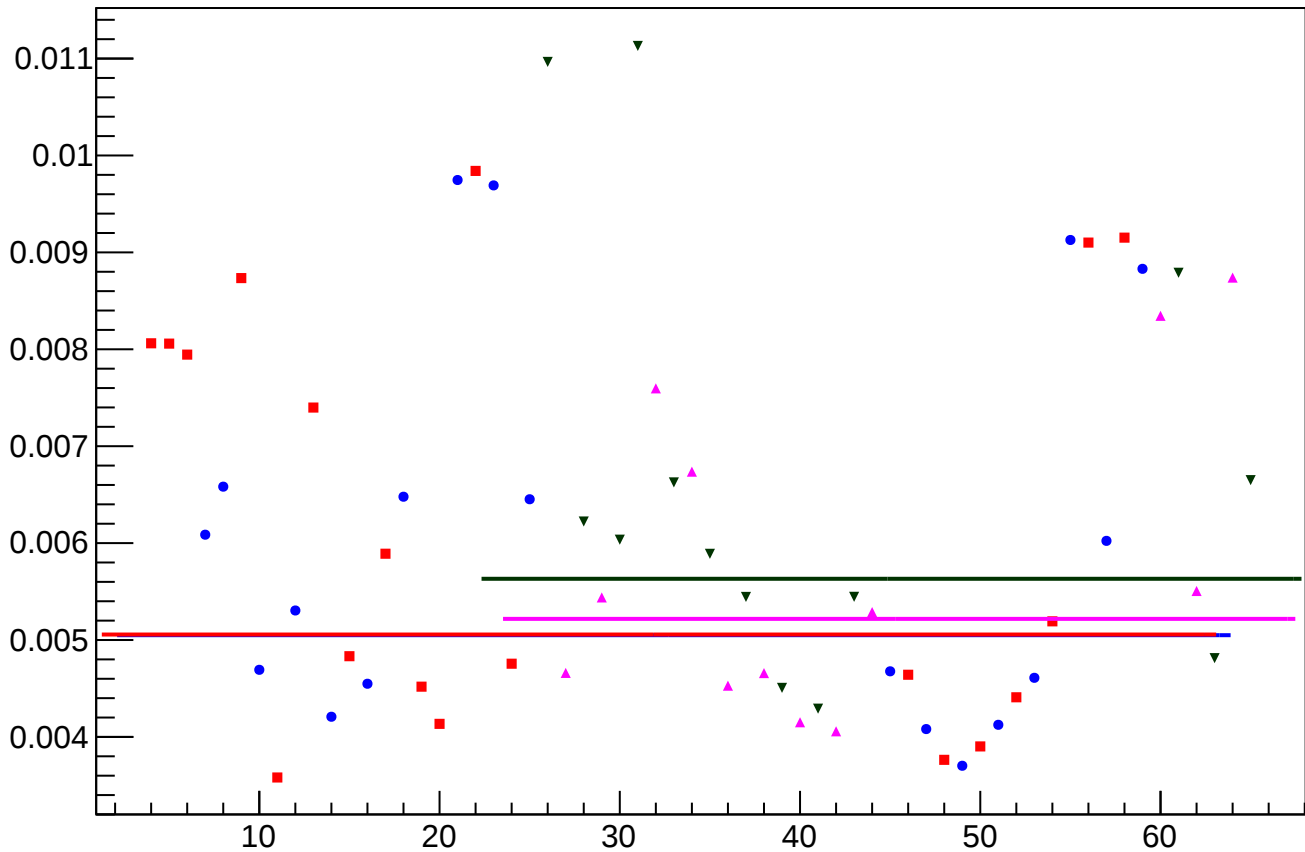
-0.175+/-0.000 χ^2/NDF : 8951553425.7/30

Right Out: -0.129+/-0.000 χ^2/NDF : 5878929515.5/18

-0.172+/-0.000 χ^2/NDF : 8144900324.6/30

Left In: -0.235+/-0.000 χ^2/NDF : 790866737.0/11

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 : 758194.3/12

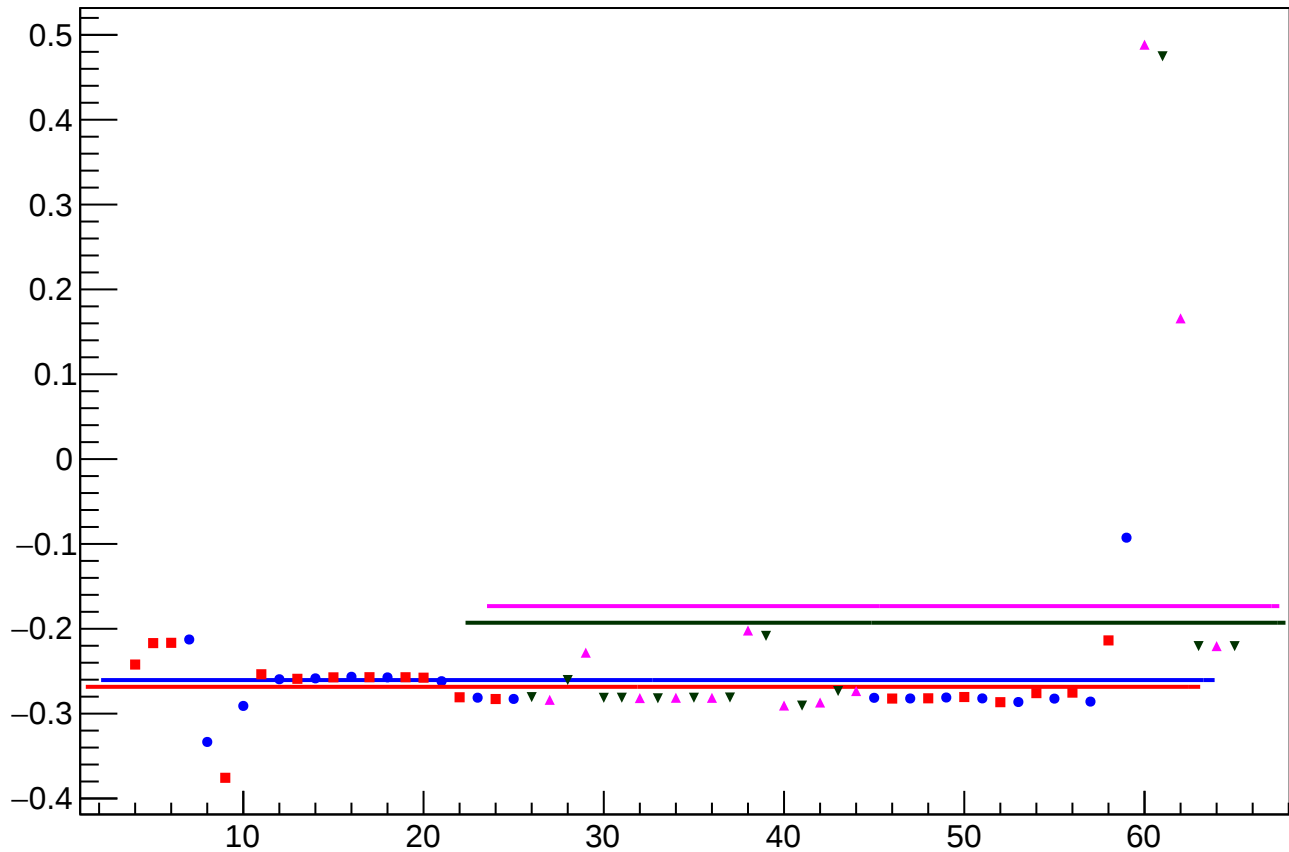
Right Out: 0.005+/-0.000 χ^2/NDF : 1822469.4/18

Left In: 0.005+/-0.000 χ^2/NDF : 692296.6/11

0.005+/-0.000 χ^2/NDF : 2504747.1/30

0.005+/-0.000 χ^2/NDF : 2521612.7/30

yield_bpm16Y_mean vs slug



Right In: -0.260+/-0.000 χ^2/NDF : 6878369368.1/17

Left Out: -0.193+/-0.000 χ^2/NDF : 41660833442.0/12

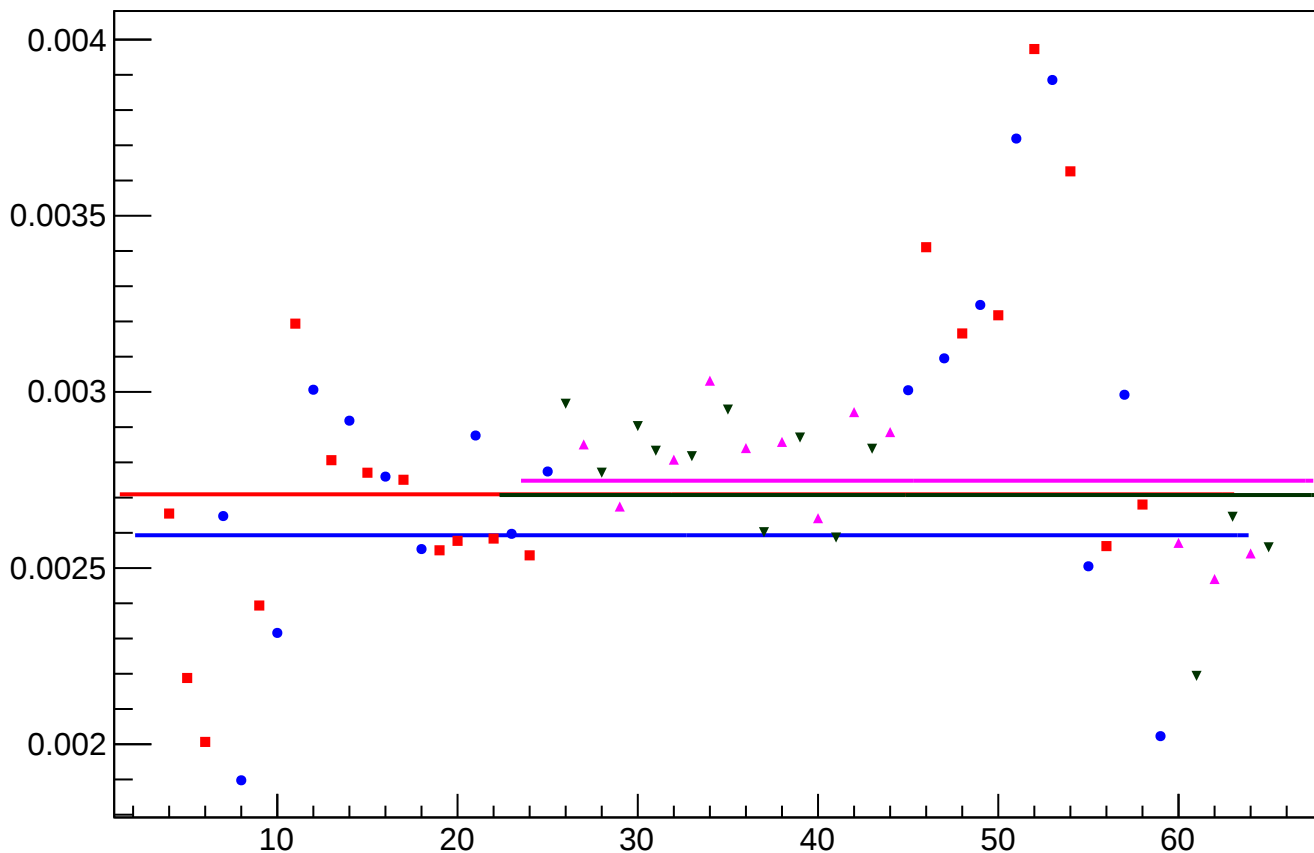
Right Out: -0.268+/-0.000 χ^2/NDF : 2185355194.4/18

Left In: -0.173+/-0.000 χ^2/NDF : 43721375013.3/11

-0.236+/-0.000 χ^2/NDF : 51125039718.5/30

-0.229+/-0.000 χ^2/NDF : 50696529541.3/30

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 : 80179.7/12

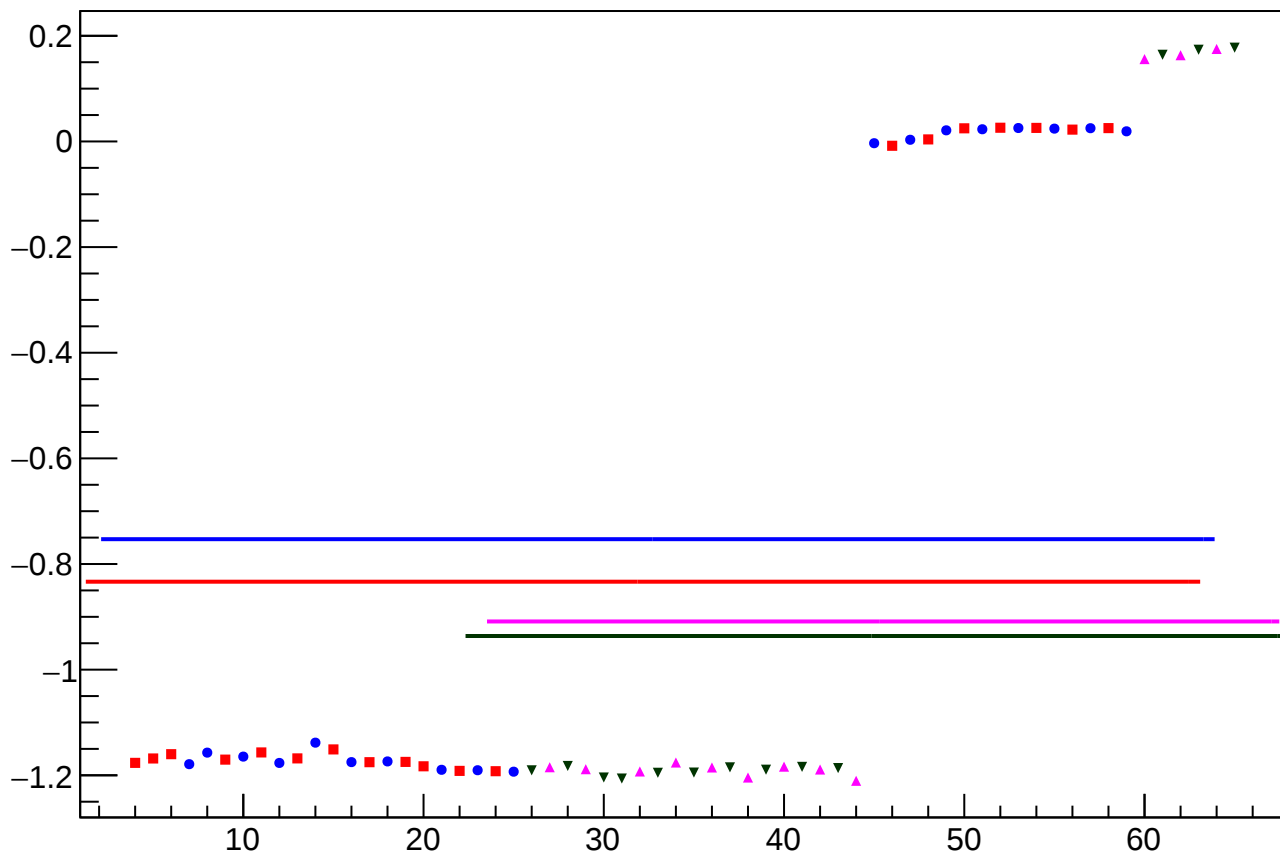
Right Out: 0.003+/-0.000 χ^2/NDF : 476230.4/18

Left In: 0.003+/-0.000 χ^2/NDF : 46051.5/11

0.003+/-0.000 χ^2/NDF : 869050.6/30

0.003+/-0.000 χ^2/NDF : 523858.9/30

yield_bpm2i01X_mean vs slug



Right In: -0.753+/-0.000 χ^2/NDF : 63524502695.2/17

Left Out: -0.936+/-0.000 χ^2/NDF : 28142066924.6/12

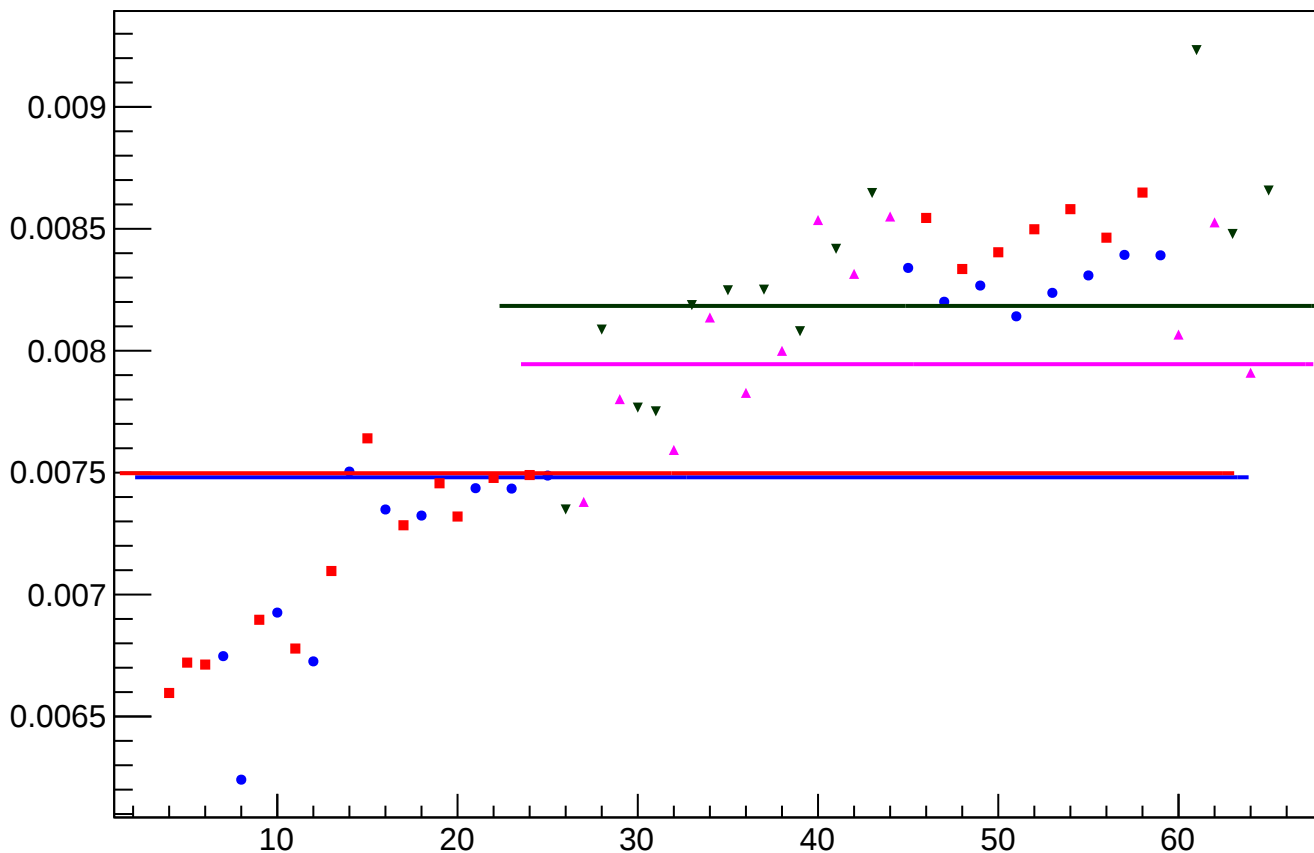
Right Out: -0.833+/-0.000 χ^2/NDF : 50332816661.3/18

Left In: -0.909+/-0.000 χ^2/NDF : 33782972952.1/11

-0.814+/-0.000 χ^2/NDF : 93892382704.9/30

-0.863+/-0.000 χ^2/NDF : 84502724182.6/30

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 : 37045.8/12

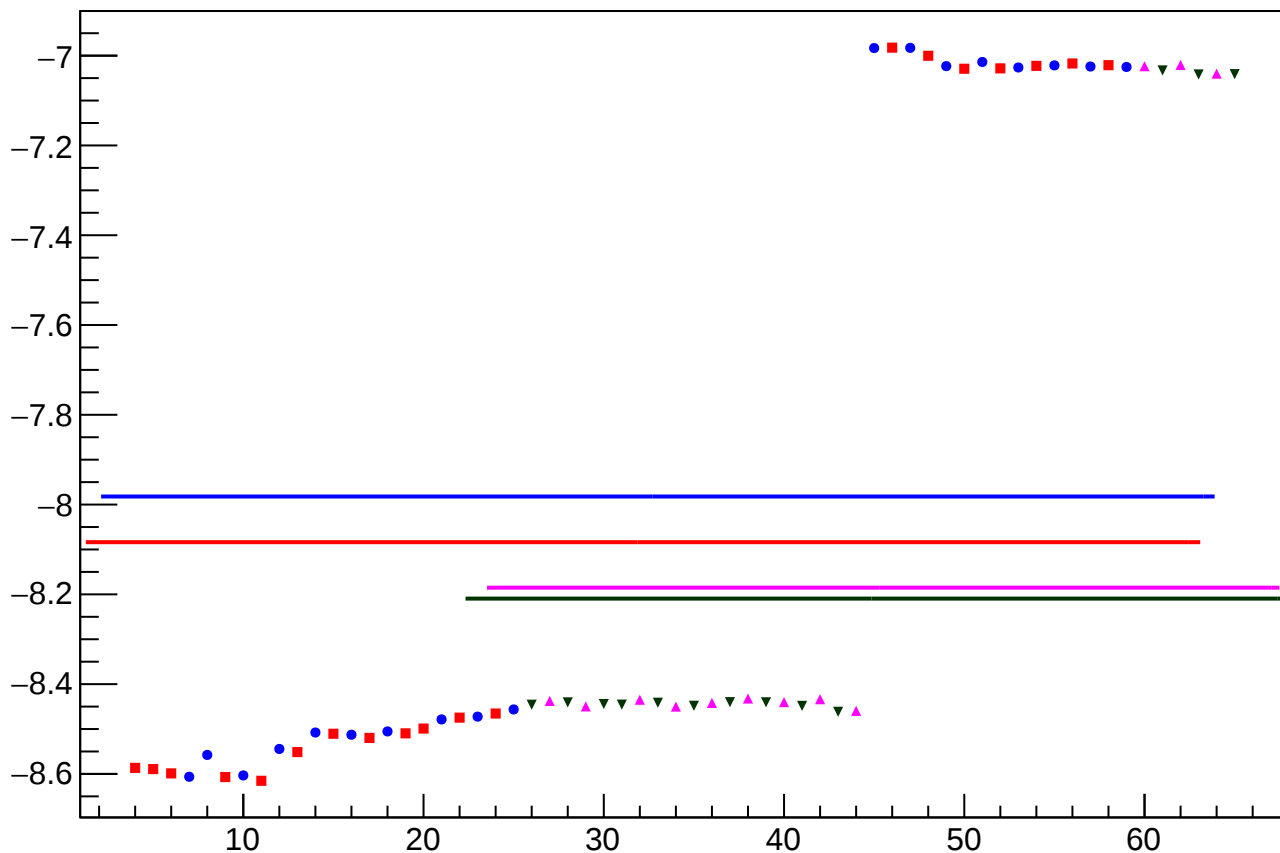
Right Out: 0.007+/-0.000 χ^2/NDF : 167417.2/18

Left In: 0.008+/-0.000 χ^2/NDF : 31263.3/11

0.008+/-0.000 χ^2/NDF : 298578.4/30

0.008+/-0.000 χ^2/NDF : 225976.9/30

yield_bpm2i01Y_mean vs slug



Right In: -7.982+/-0.000 χ^2/NDF : 116524136897.0/17

Left Out: -8.209+/-0.000 χ^2/NDF : 34395425622.0/12

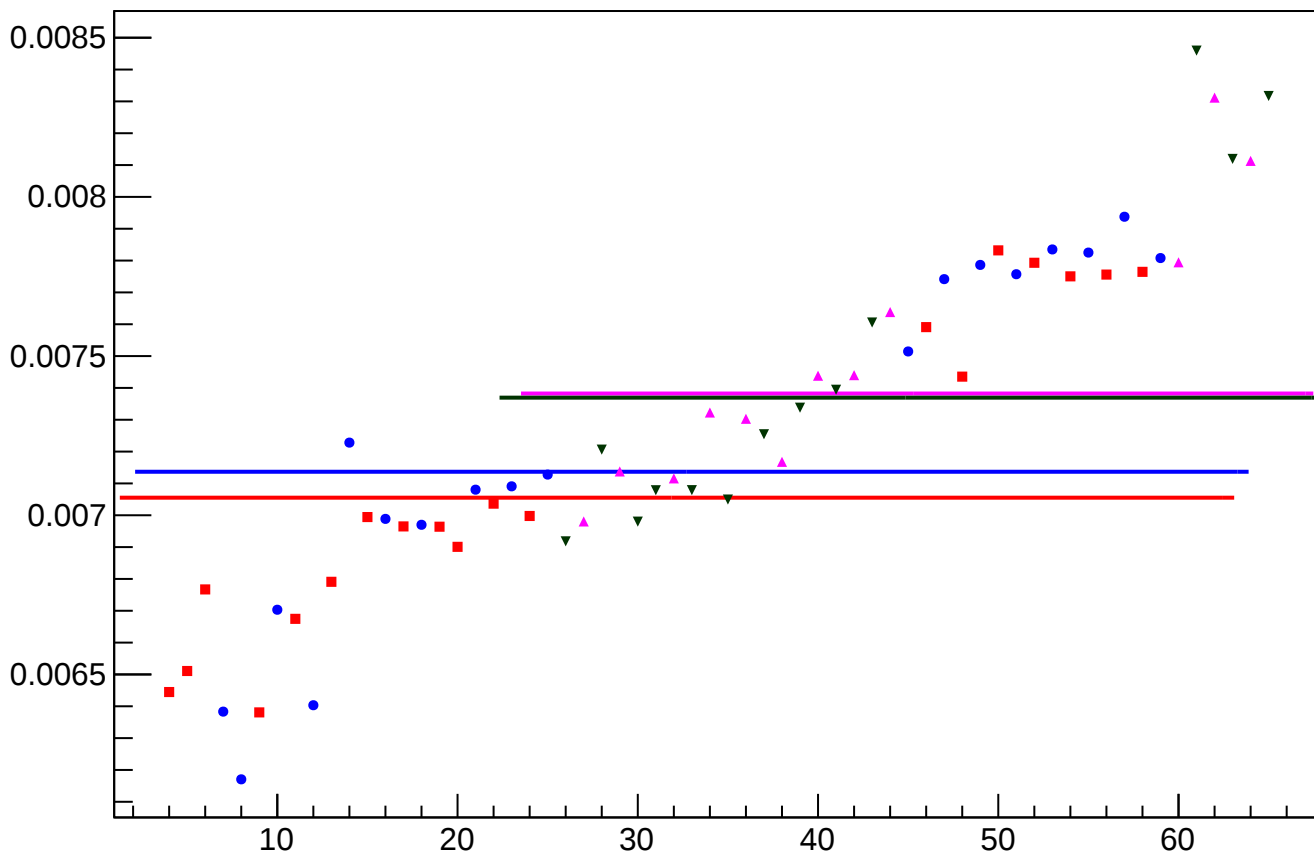
Right Out: -8.084+/-0.000 χ^2/NDF : 99506540389.5/18

Left In: -8.185+/-0.000 χ^2/NDF : 39051349142.7/11

-8.065+/-0.000 χ^2/NDF : 155029155977.3/30

-8.124+/-0.000 χ^2/NDF : 139371790148.8/30

yield_bpm2i01Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 141394.2/17

Left Out: 0.007+/-0.000 χ^2/NDF :50271.8/12

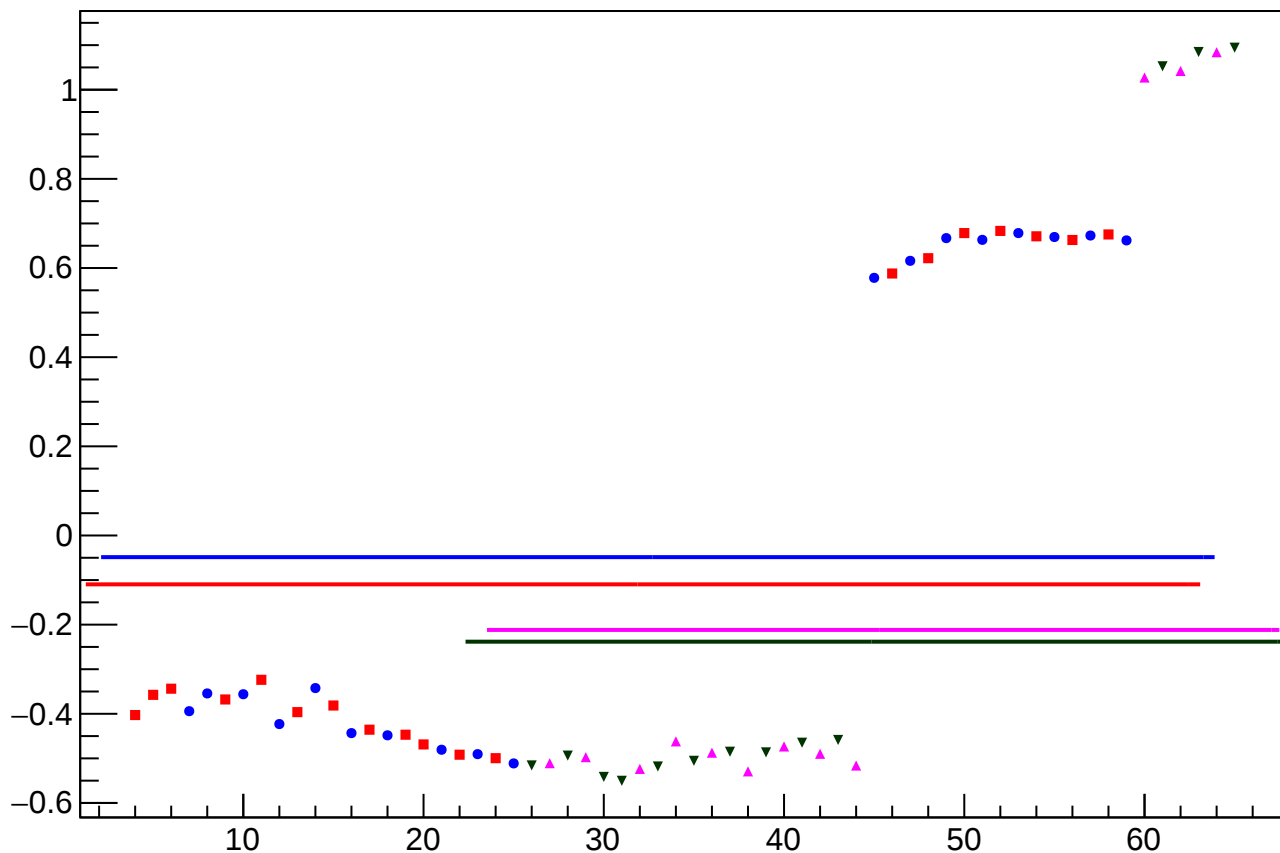
Right Out: 0.007+/-0.000 χ^2/NDF : 88863.4/18

Left In: 0.007+/-0.000 χ^2/NDF :36196.2/11

0.007+/-0.000 χ^2/NDF : 200274.8/30

0.007+/-0.000 χ^2/NDF : 142030.2/30

yield_bpm2i02X_mean vs slug



Right In: -0.049+/-0.000 χ^2/NDF : 7806391272.8/17

Left Out: -0.238+/-0.000 χ^2/NDF : 5338981799.9/12

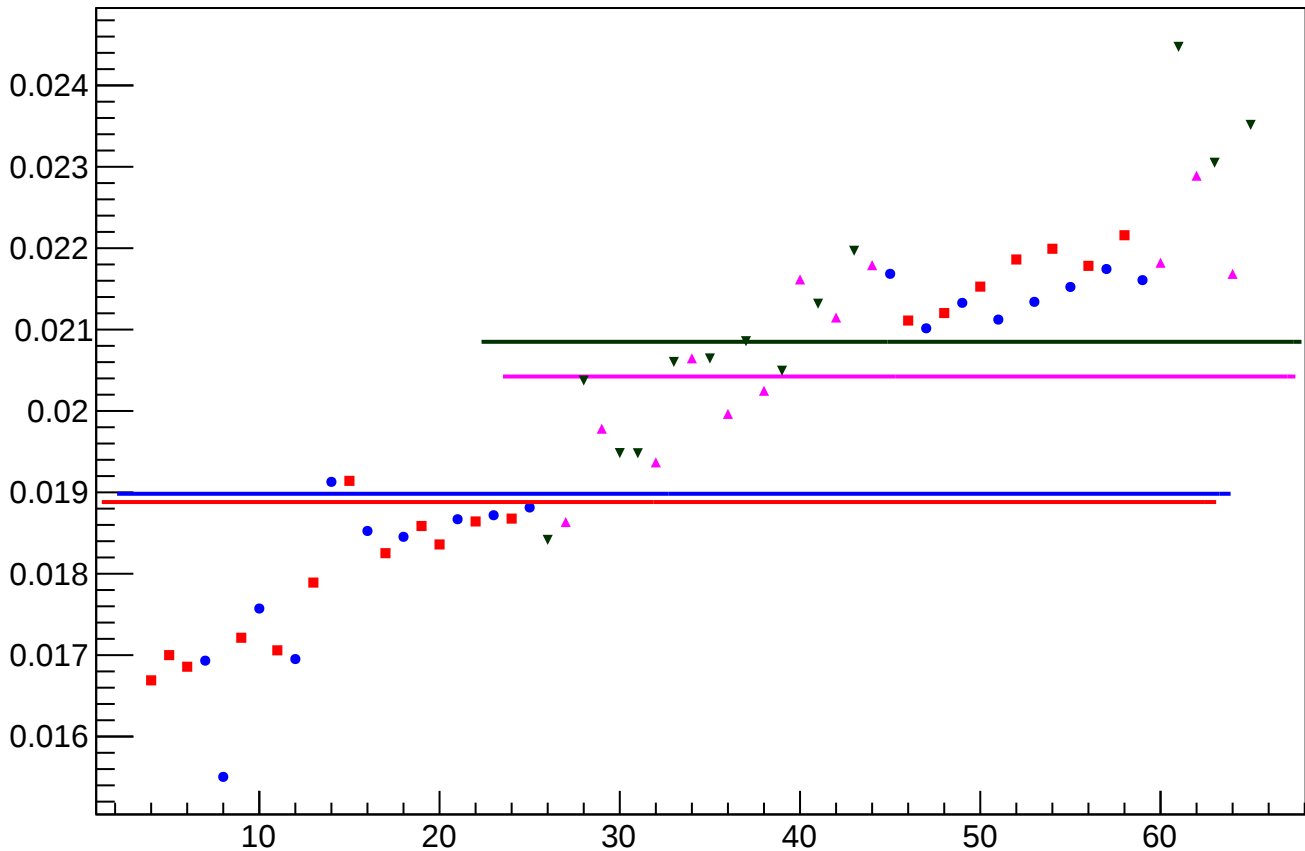
Right Out: -0.110+/-0.000 χ^2/NDF : 6259069670.0/18

Left In: -0.212+/-0.000 χ^2/NDF : 6226130094.3/11

-0.112+/-0.000 χ^2/NDF : 13513308826.1/30

-0.149+/-0.000 χ^2/NDF : 12594951620.2/30

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 : 70770.2/12

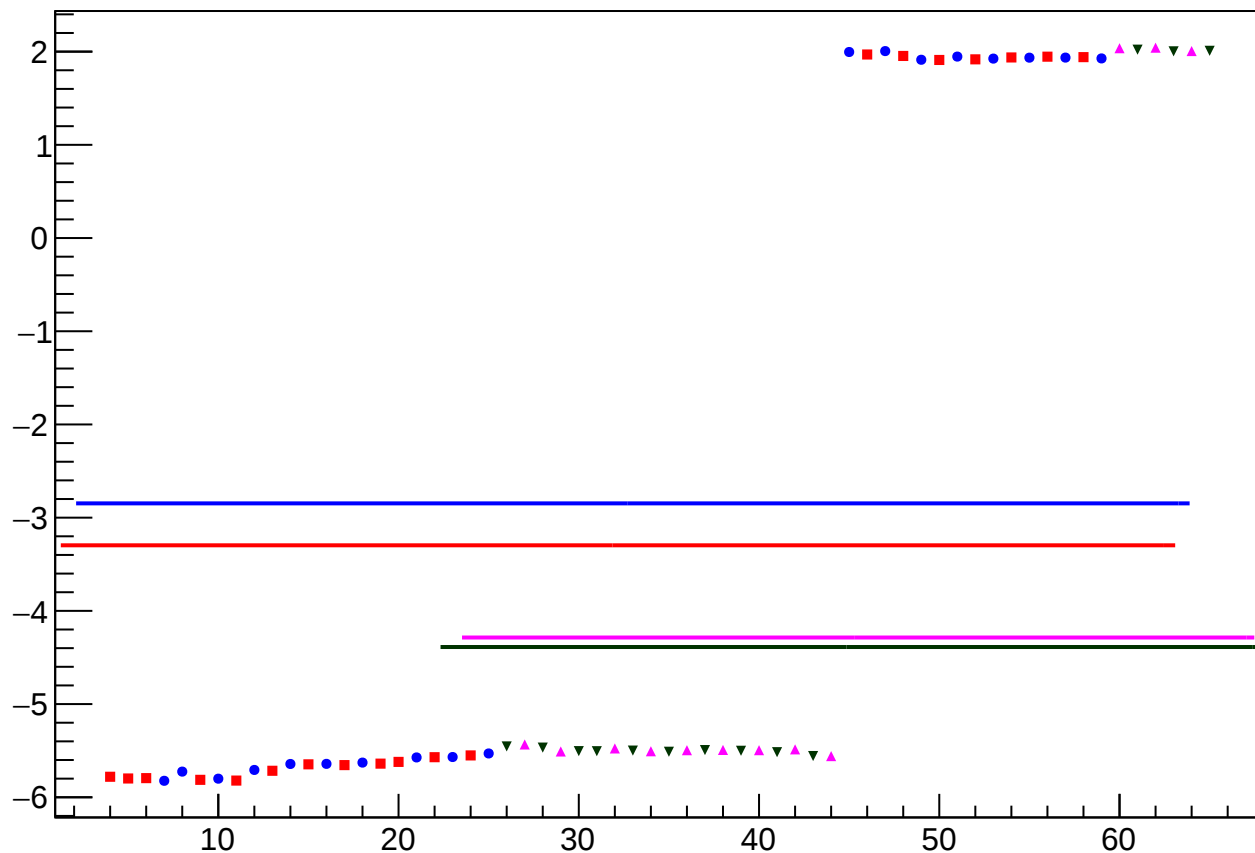
0.020+/-0.000 χ^2/NDF : 397017.4/30

Right Out: 0.019+/-0.000 χ^2/NDF : 190553.3/18

0.019+/-0.000 χ^2/NDF : 290783.7/30

Left In: 0.020+/-0.000 χ^2/NDF : 50262.8/11

yield_bpm2i02Y_mean vs slug



Right In: -2.847+/-0.000 χ^2/NDF : 988085675921.2/17

Left Out: -4.388+/-0.000 χ^2/NDF : 309816359768.4/12

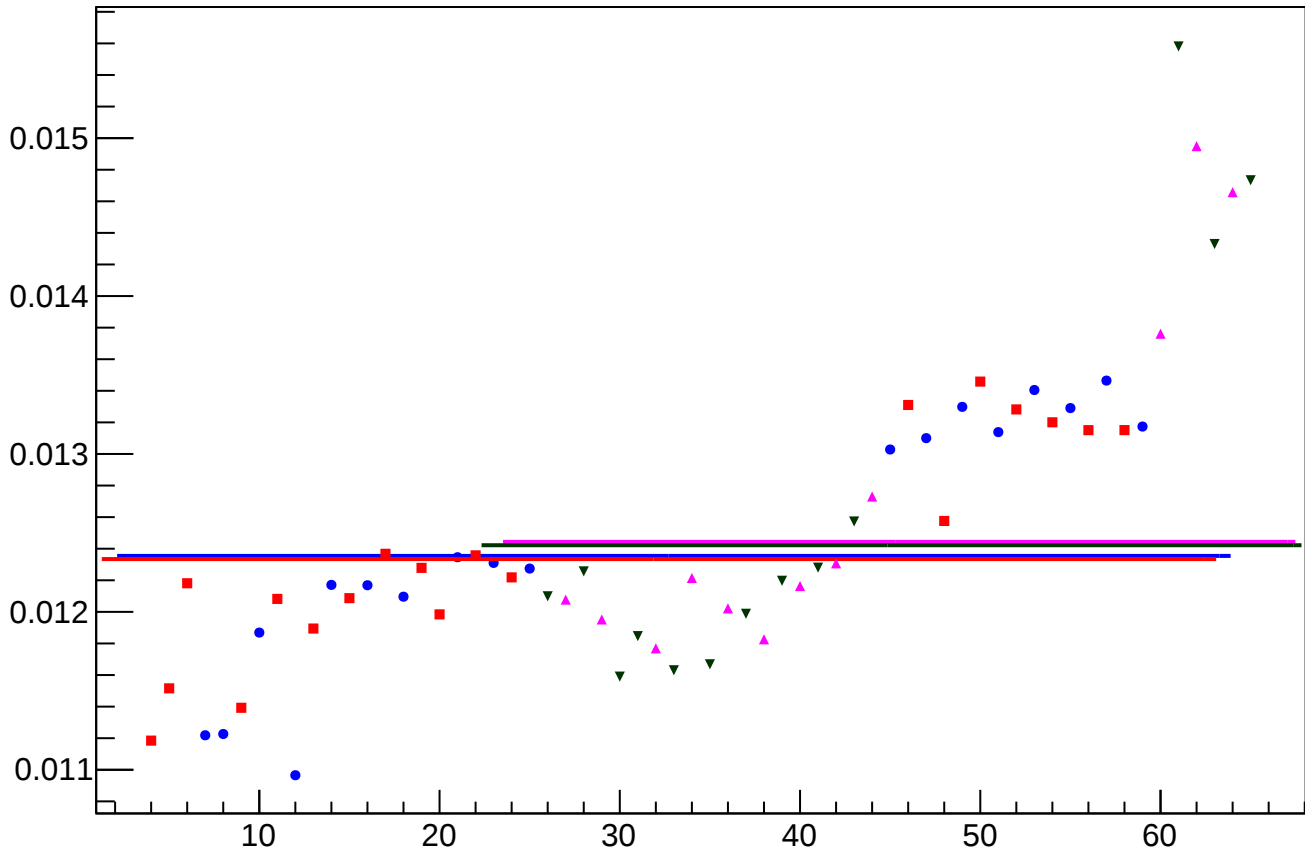
Right Out: -3.297+/-0.000 χ^2/NDF : 819050975647.4/18

Left In: -4.286+/-0.000 χ^2/NDF : 349785259562.2/11

-3.423+/-0.000 χ^2/NDF : 1362683273704.8/30

-3.707+/-0.000 χ^2/NDF : 1195189836716.3/30

yield_bpm2i02Y_rms vs slug



Right In: 0.012 ± 0.000 χ^2/NDF : 89844.3/17

Left Out: 0.012 ± 0.000 χ^2/NDF : 94972.5/12

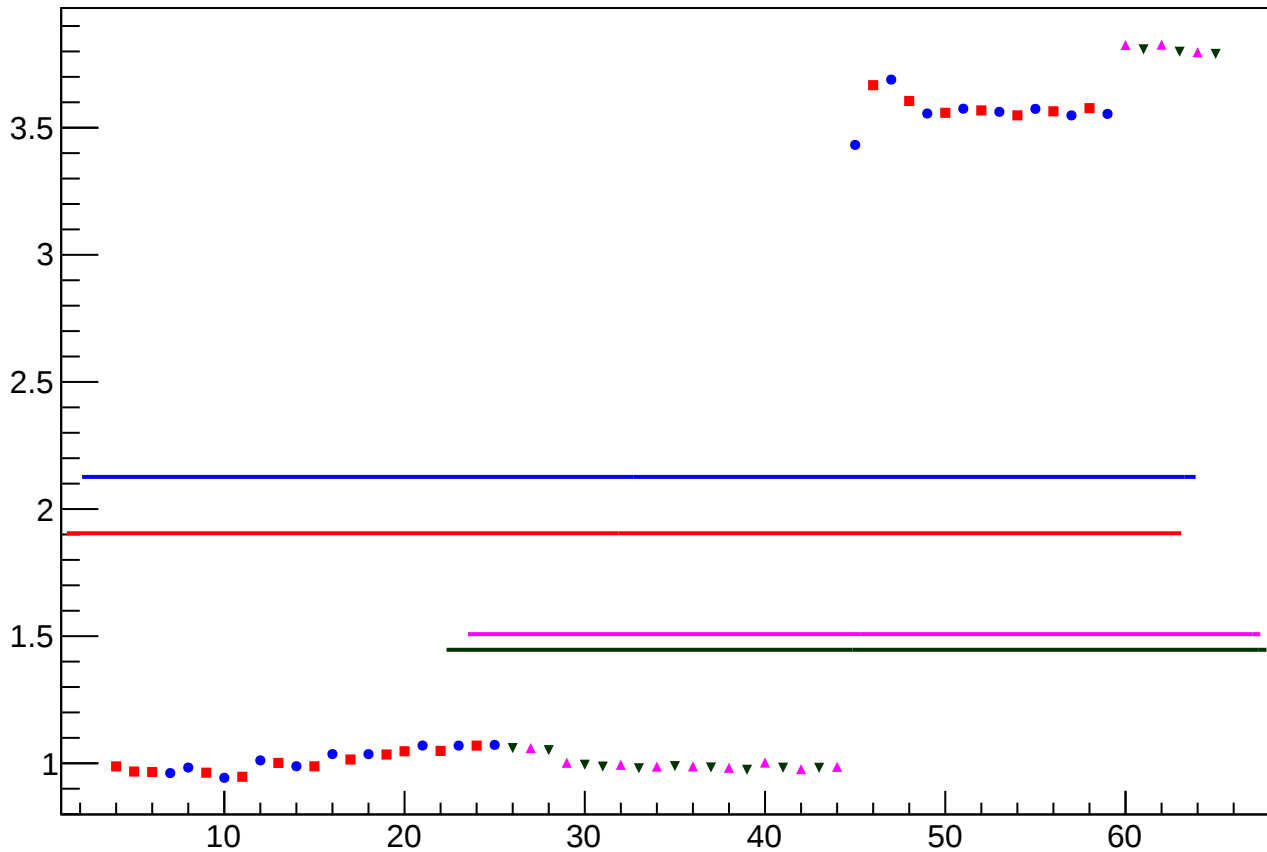
Right Out: 0.012 ± 0.000 χ^2/NDF : 54886.5/18

Left In: 0.012 ± 0.000 χ^2/NDF : 75969.0/11

0.012 ± 0.000 χ^2/NDF : 185066.2/30

0.012 ± 0.000 χ^2/NDF : 131495.7/30

yield_bpm1i04X_mean vs slug



Right In: 2.126+/-0.000 χ^2/NDF : 292632575878.4/17

Left Out: 1.446+/-0.000 χ^2/NDF : 118853151304.7/12

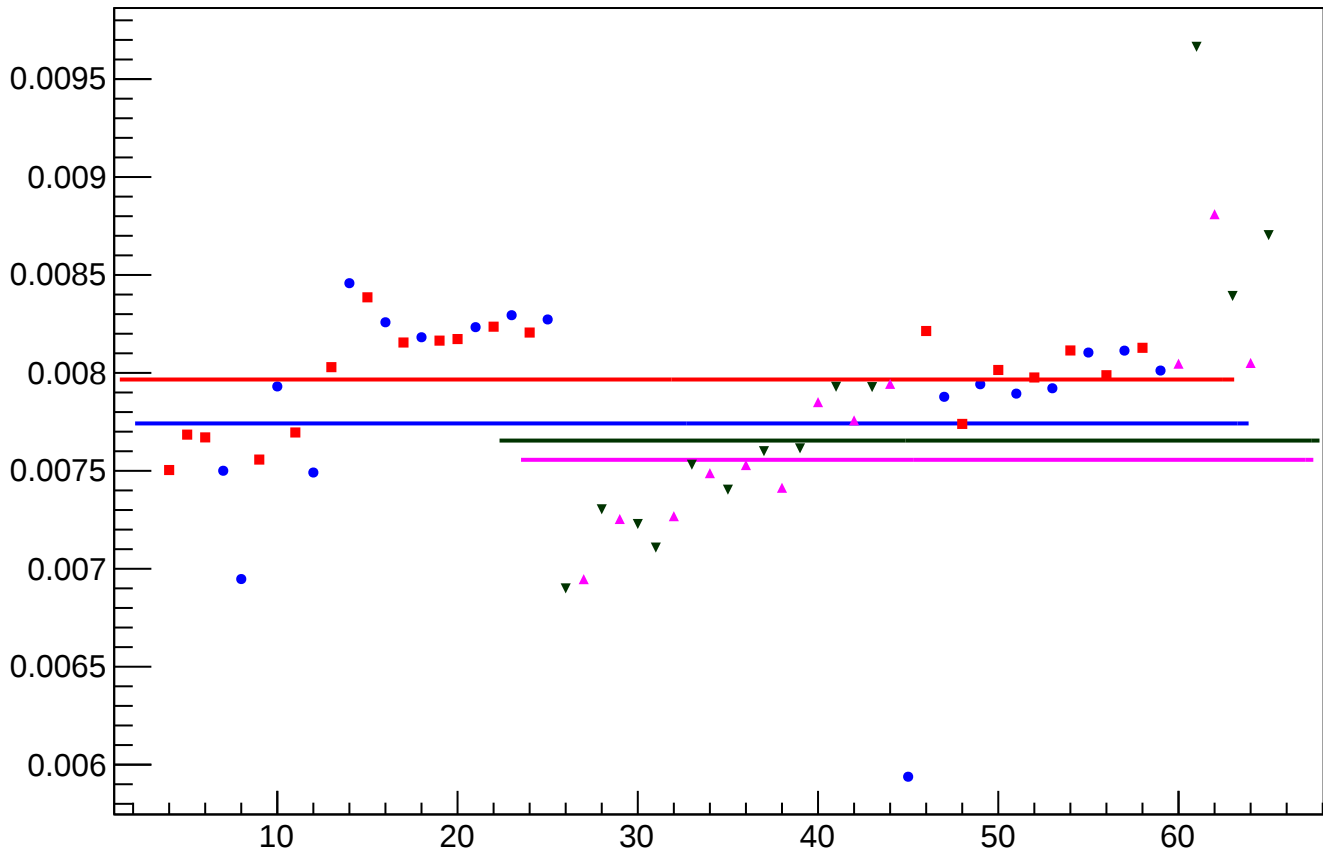
1.867+/-0.000 χ^2/NDF : 443973750504.1/30

Right Out: 1.905+/-0.000 χ^2/NDF : 236022966001.2/18

1.729+/-0.000 χ^2/NDF : 390619861302.0/30

Left In: 1.508+/-0.000 χ^2/NDF : 143771952704.8/11

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 : 83458.6/12

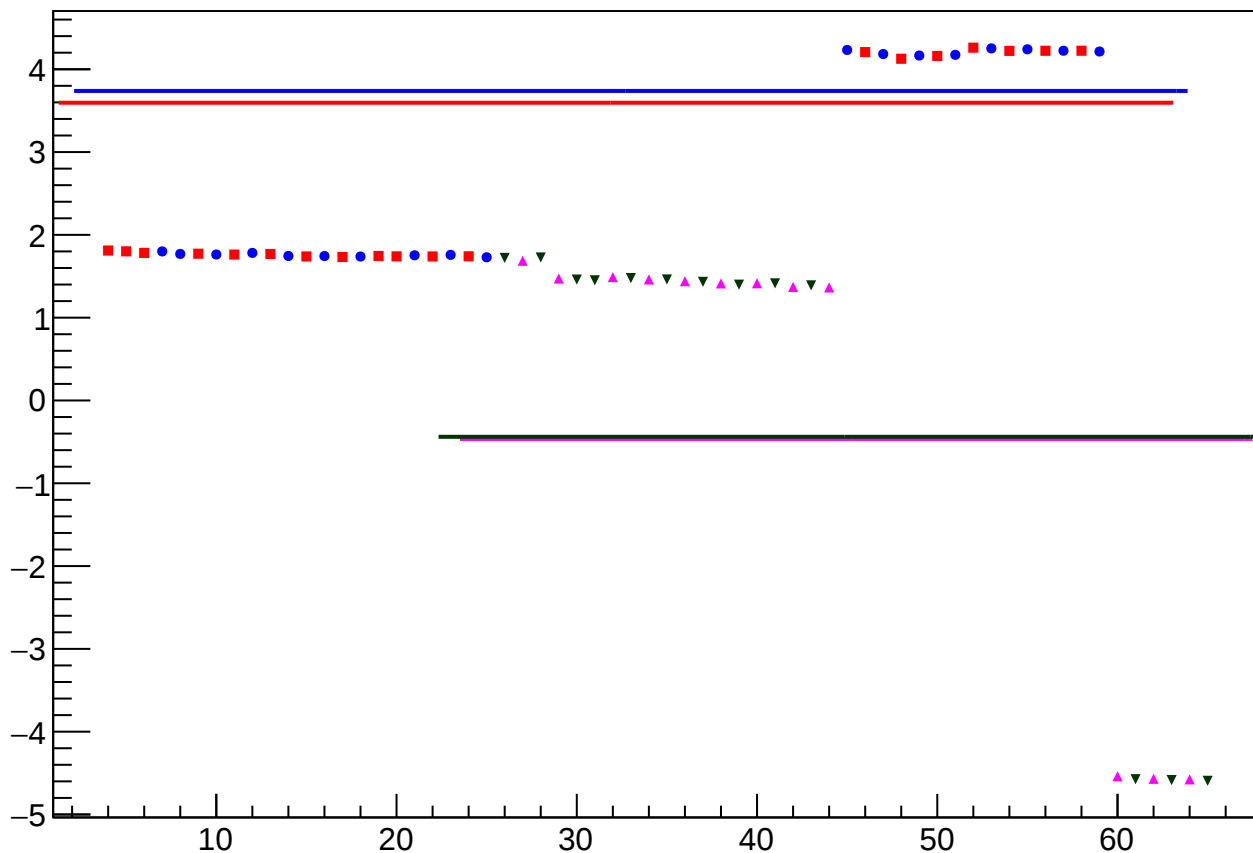
Right Out: 0.008+/-0.000 χ^2/NDF : 20073.5/18

Left In: 0.008+/-0.000 χ^2/NDF : 49530.3/11

0.008+/-0.000 χ^2/NDF : 263440.3/30

0.008+/-0.000 χ^2/NDF : 92707.8/30

yield_bpm1i04Y_mean vs slug



Right In: 3.738+/-0.000 χ^2/NDF : 502669373965.6/17

Left Out: -0.439+/-0.000 χ^2/NDF : 1818037806581.5/12

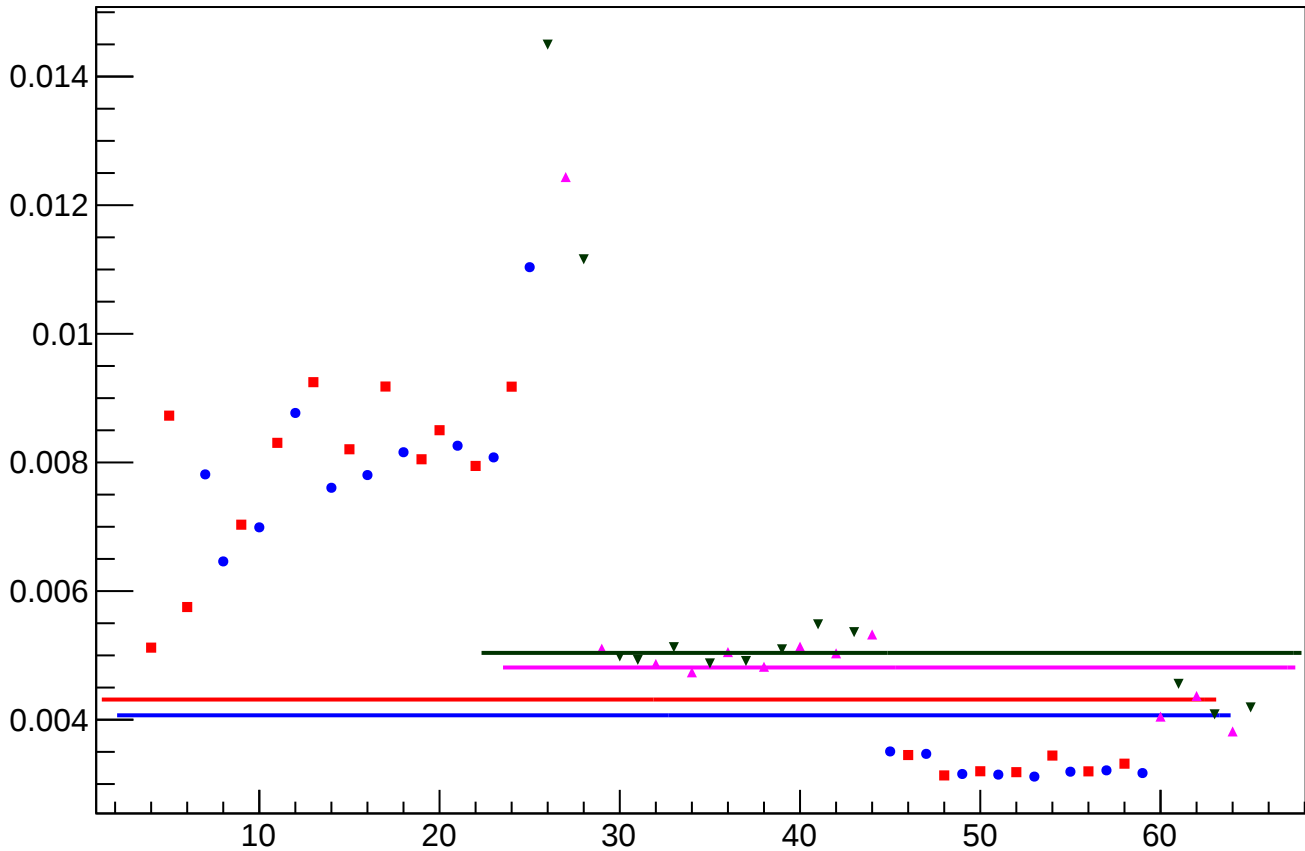
Right Out: 3.596+/-0.000 χ^2/NDF : 468031292414.6/18

Left In: -0.465+/-0.000 χ^2/NDF : 2154580983768.8/11

2.482+/-0.000 χ^2/NDF : 5152024209378.7/30

1.989+/-0.000 χ^2/NDF : 5367559276256.5/30

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 : 898237.1/12

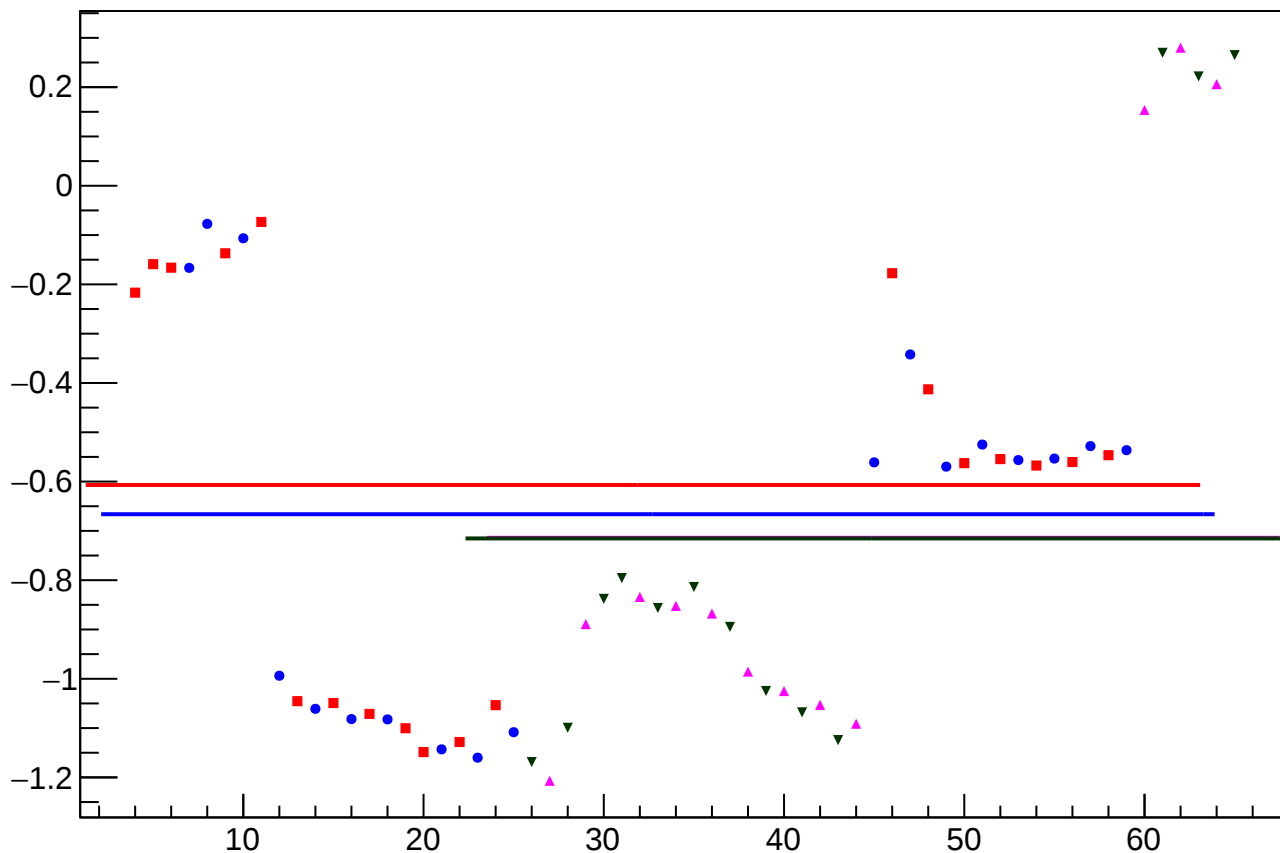
Right Out: 0.004+/-0.000 χ^2/NDF : 3241260.9/18

Left In: 0.005+/-0.000 χ^2/NDF : 679232.9/11

0.004+/-0.000 χ^2/NDF : 4605637.1/30

0.005+/-0.000 χ^2/NDF : 4003132.4/30

yield_bpm0l01X_mean vs slug



Right In: -0.666+/-0.000 χ^2/NDF : 19135534349.5/17

Left Out: -0.715+/-0.000 χ^2/NDF : 20442698882.5/12

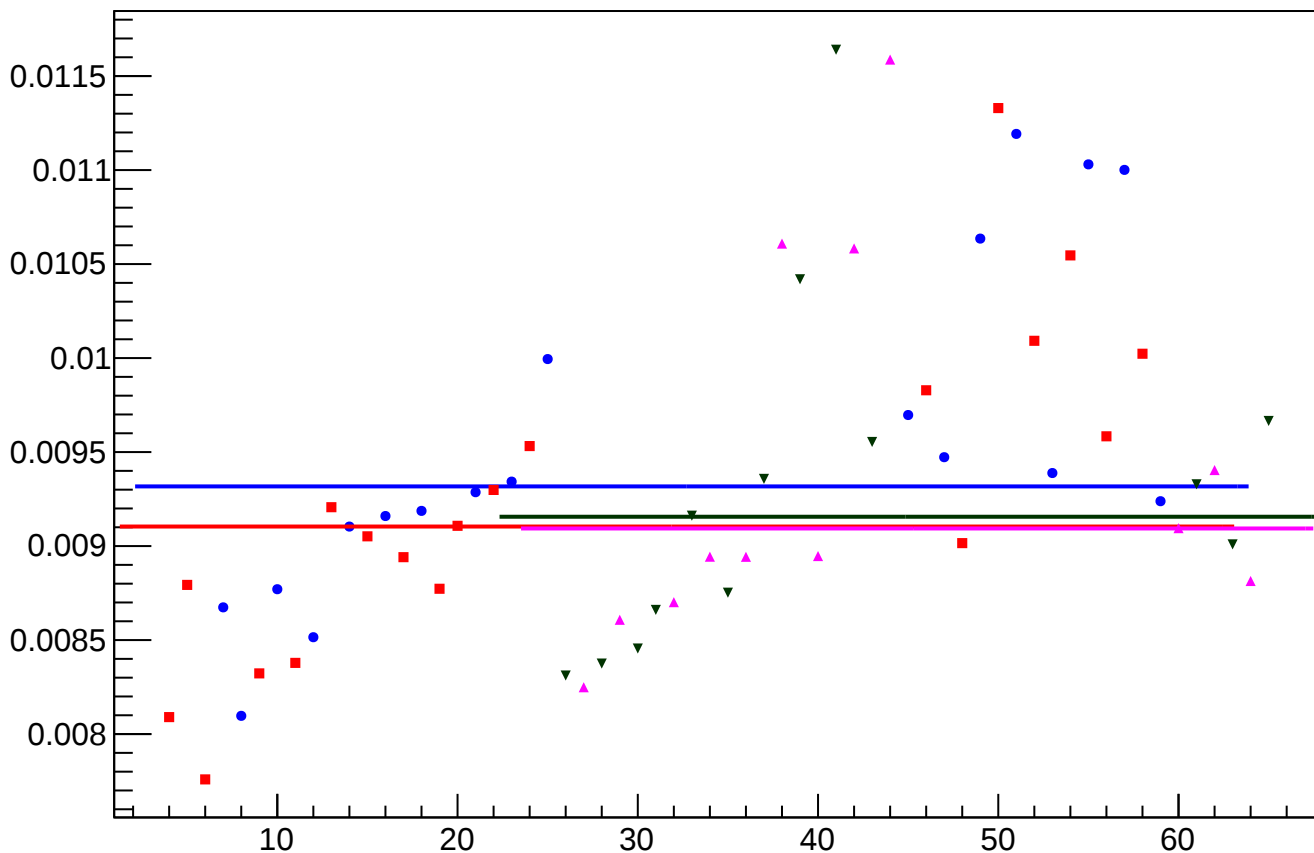
Right Out: -0.607+/-0.000 χ^2/NDF : 19217252419.4/18

Left In: -0.714+/-0.000 χ^2/NDF : 21648429684.2/11

-0.685+/-0.000 χ^2/NDF : 39694684104.3/30

-0.652+/-0.000 χ^2/NDF : 41428939606.4/30

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 :107647.2/12

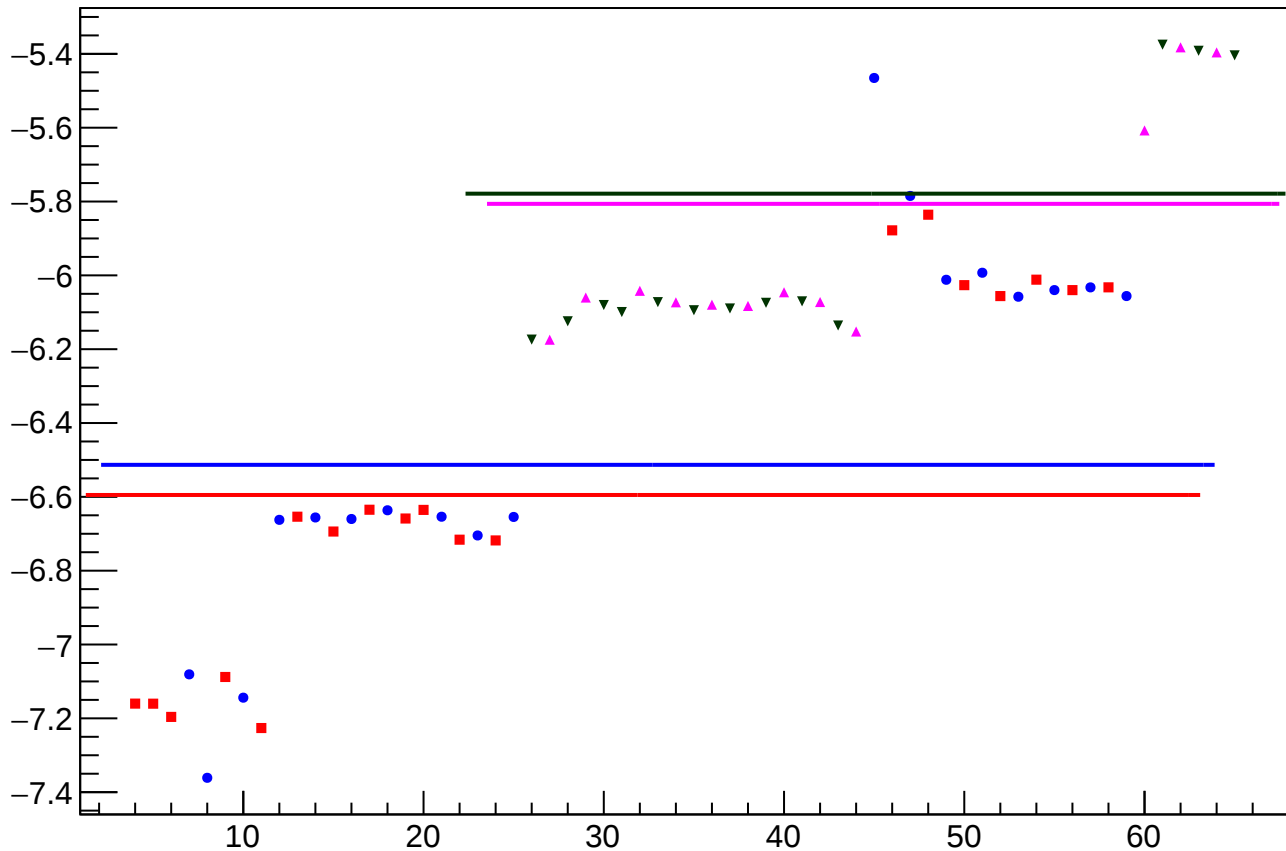
Right Out: 0.009+/-0.000 χ^2/NDF : 159092.9/18

Left In: 0.009+/-0.000 χ^2/NDF :117662.2/11

0.009+/-0.000 χ^2/NDF : 275931.2/30

0.009+/-0.000 χ^2/NDF : 276765.7/30

yield_bpm0l01Y_mean vs slug



Right In: -6.513+/-0.000 χ^2/NDF : 34103178286.6/17

Left Out: -5.779+/-0.000 χ^2/NDF :12598790497.8/12

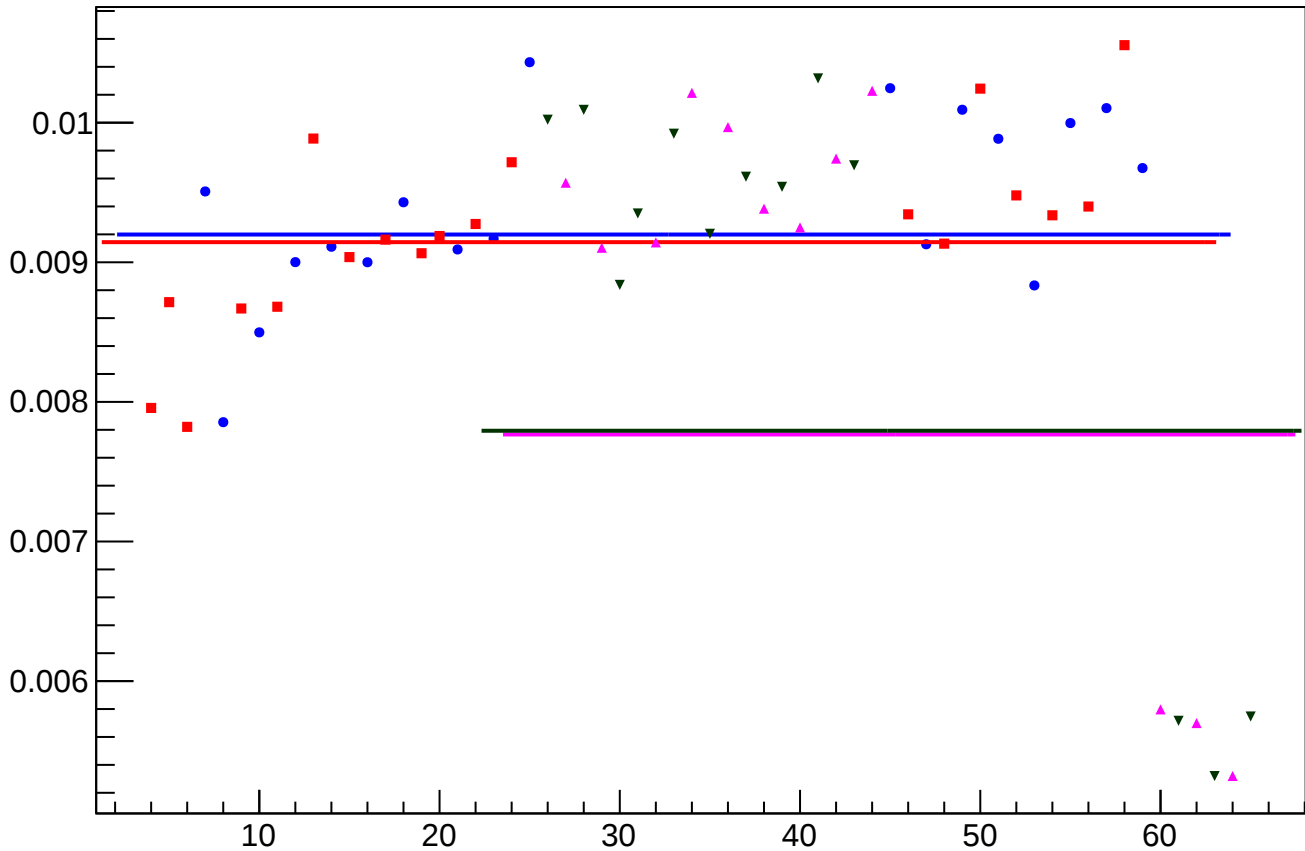
-6.190+/-0.000 χ^2/NDF : 77122870674.1/30

Right Out: -6.595+/-0.000 χ^2/NDF : 25777696502.6/18

-6.209+/-0.000 χ^2/NDF : 71566567970.4/30

Left In: -5.806+/-0.000 χ^2/NDF :11181720914.3/11

yield_bpm0l01Y_rms vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 120528.1/17

Left Out: 0.008+/-0.000 χ^2/NDF : 851632.6/12

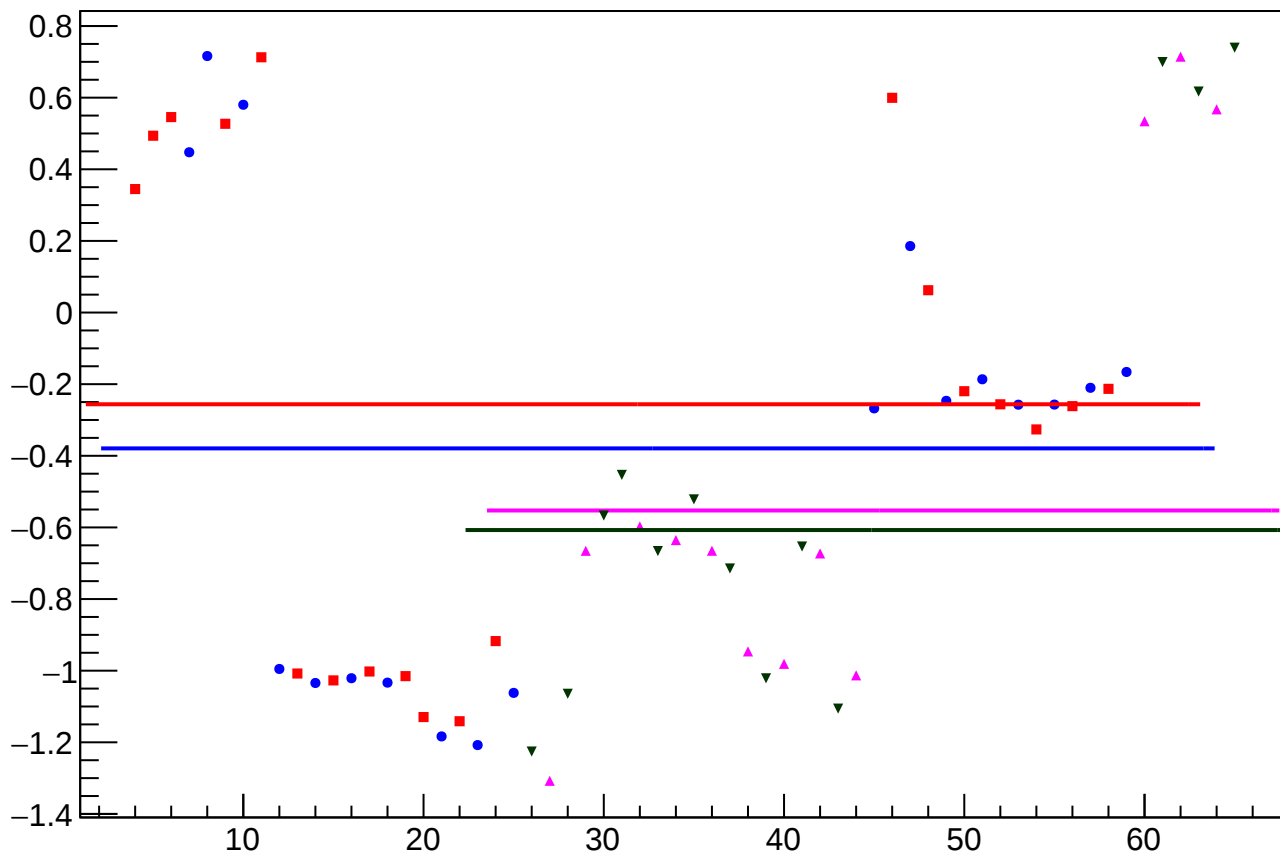
Right Out: 0.009+/-0.000 χ^2/NDF : 101222.8/18

Left In: 0.008+/-0.000 χ^2/NDF : 857586.0/11

0.009+/-0.000 χ^2/NDF : 1194924.2/30

0.008+/-0.000 χ^2/NDF : 1169968.5/30

yield_bpm0l02X_mean vs slug



Right In: -0.379+/-0.000 χ^2 /NDF: 10136750548.1/17

Left Out: -0.607+/-0.000 χ^2 /NDF:10572356512.9/12

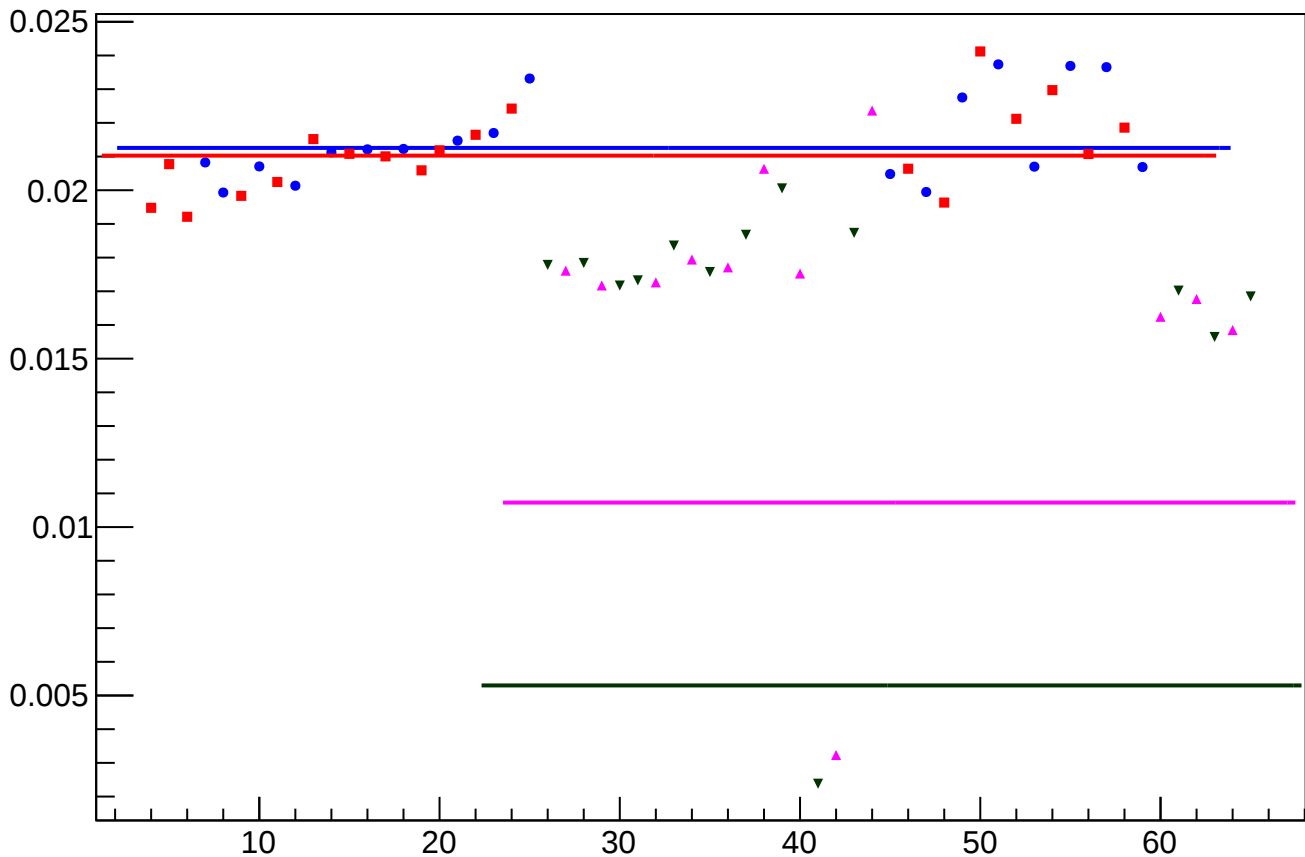
Right Out: -0.256+/-0.000 χ^2 /NDF: 10103342122.6/18

Left In: -0.553+/-0.000 χ^2 /NDF:10311476262.2/11

-0.563+/-0.000 χ^2 /NDF: 21732062970.2/30

-0.448+/-0.000 χ^2 /NDF: 21670363928.2/30

yield_bpm0l02X_rms vs slug



Right In: 0.021+/-0.000 χ^2/NDF : 64142.6/17

Left Out: 0.005+/-0.000 χ^2/NDF : 7375042.9/12

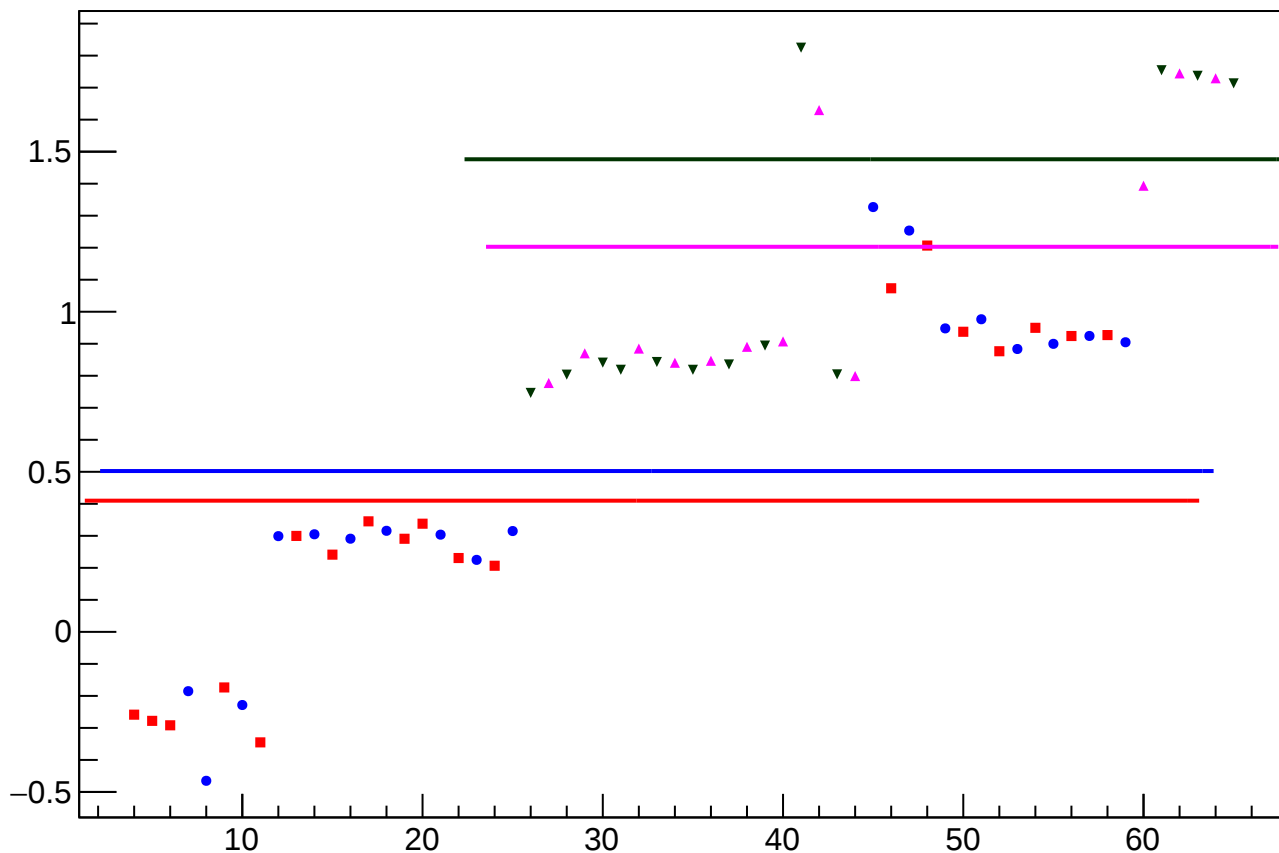
Right Out: 0.021+/-0.000 χ^2/NDF : 62886.6/18

Left In: 0.011+/-0.000 χ^2/NDF : 4235081.2/11

0.008+/-0.000 χ^2/NDF : 17461667.0/30

0.014+/-0.000 χ^2/NDF : 7326571.4/30

yield_bpm0l02Y_mean vs slug



Right In: 0.502 ± 0.000 χ^2/NDF : 19155654908.3/17

Left Out: 1.476 ± 0.000 χ^2/NDF : 21339109316.7/12

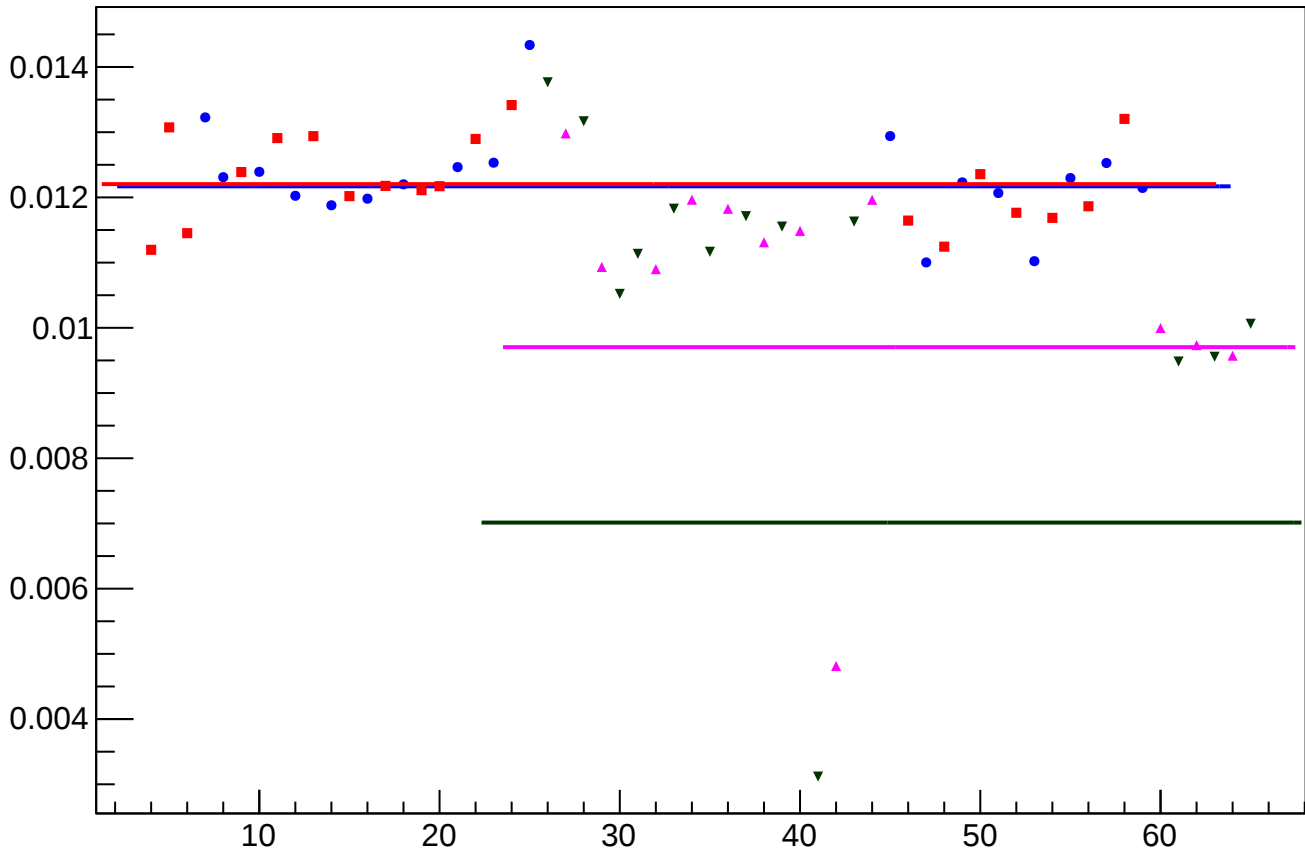
Right Out: 0.410 ± 0.000 χ^2/NDF : 16439315084.0/18

Left In: 1.203 ± 0.000 χ^2/NDF : 10486311177.8/11

1.062 ± 0.000 χ^2/NDF : 80755026092.8/30

0.816 ± 0.000 χ^2/NDF : 47742088878.9/30

yield_bpm0l02Y_rms vs slug



Right In: 0.012+/-0.000 χ^2/NDF : 45604.3/17

Left Out: 0.007+/-0.000 χ^2/NDF :3310713.7/12

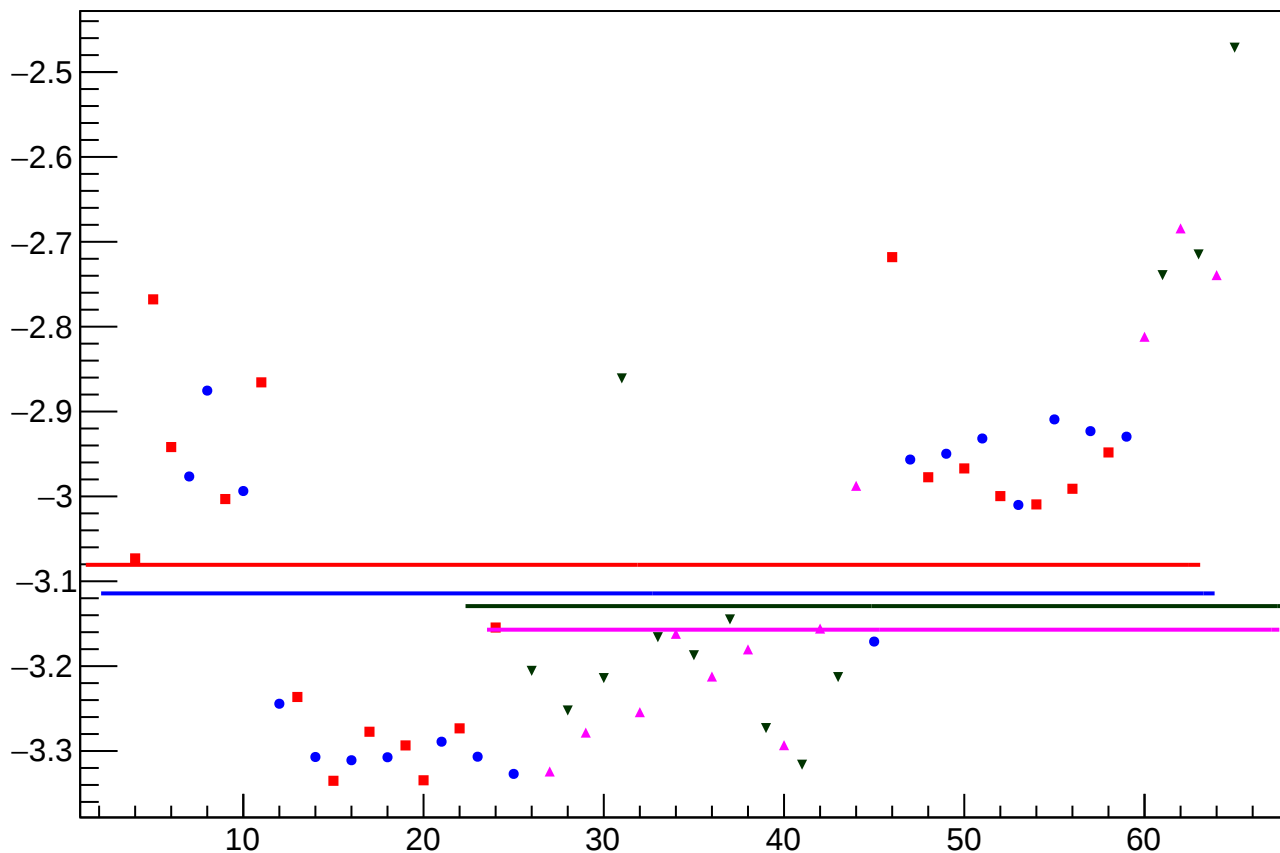
0.009+/-0.000 χ^2/NDF : 5613711.2/30

Right Out: 0.012+/-0.000 χ^2/NDF : 53181.0/18

0.011+/-0.000 χ^2/NDF : 1446962.9/30

Left In: 0.010+/-0.000 χ^2/NDF :980184.2/11

yield_bpm0l03X_mean vs slug



Right In: -3.114+/-0.000 χ^2/NDF : 4627659924.1/17

Left Out: -3.129+/-0.000 χ^2/NDF : 5785430919.9/12

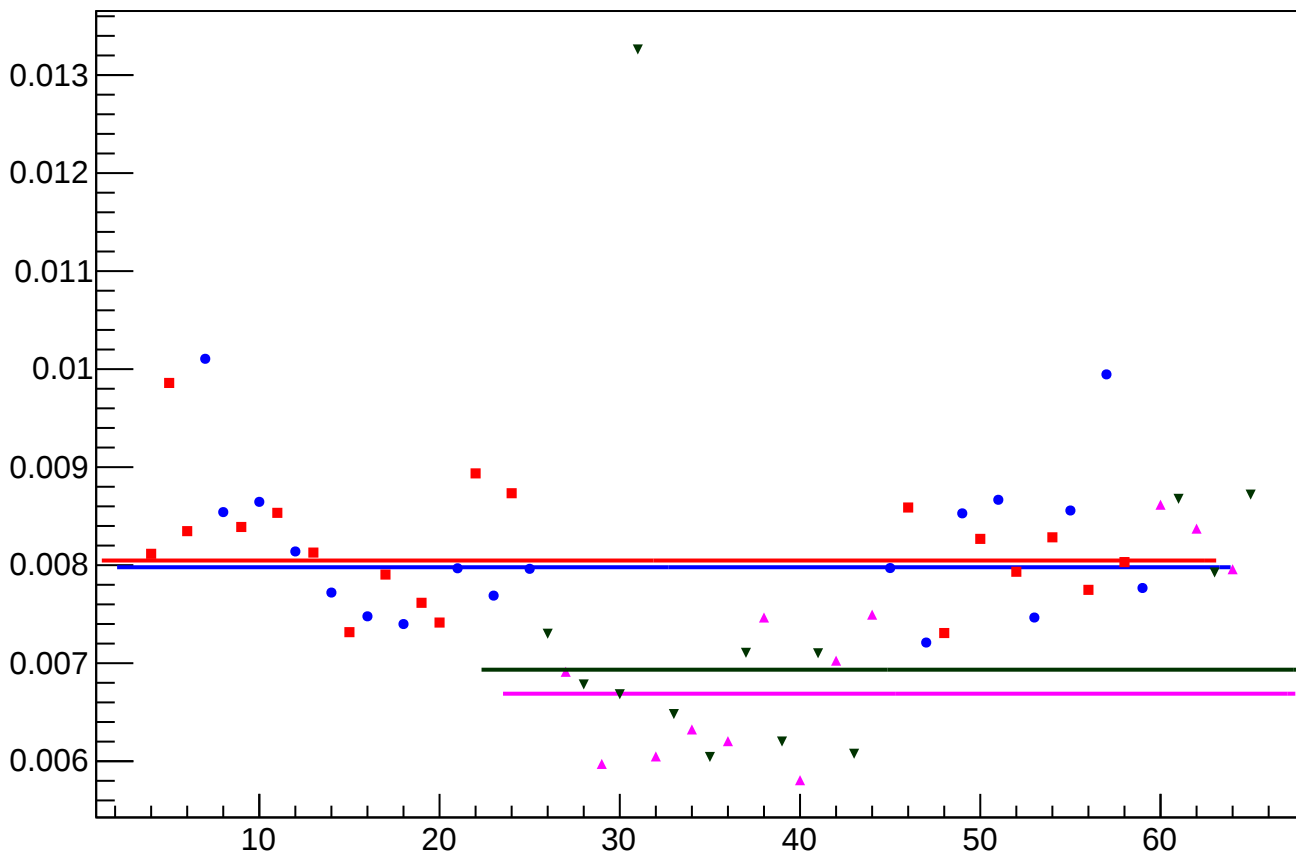
Right Out: -3.081+/-0.000 χ^2/NDF : 3839311184.0/18

Left In: -3.157+/-0.000 χ^2/NDF : 5244328601.9/11

-3.121+/-0.000 χ^2/NDF : 10427905850.9/30

-3.120+/-0.000 χ^2/NDF : 9476118743.5/30

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 : 267680.3/12

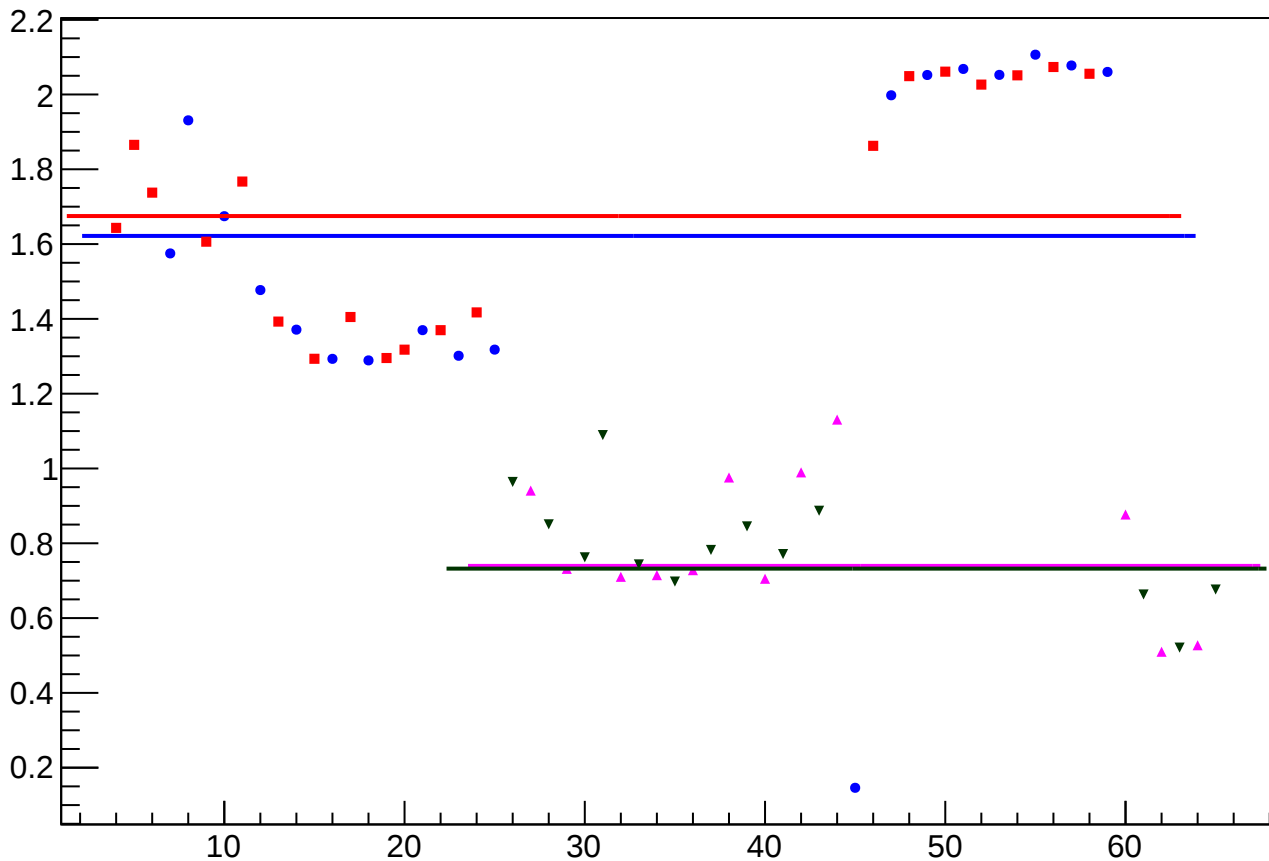
Right Out: 0.008+/-0.000 χ^2/NDF : 57509.8/18

Left In: 0.007+/-0.000 χ^2/NDF : 206593.4/11

0.008+/-0.000 χ^2/NDF : 507260.4/30

0.007+/-0.000 χ^2/NDF : 512135.9/30

yield_bpm0l03Y_mean vs slug



Right In: 1.622 ± 0.000 χ^2/NDF : 26006902897.9/17

Left Out: 0.732 ± 0.000 χ^2/NDF : 1493248213.1/12

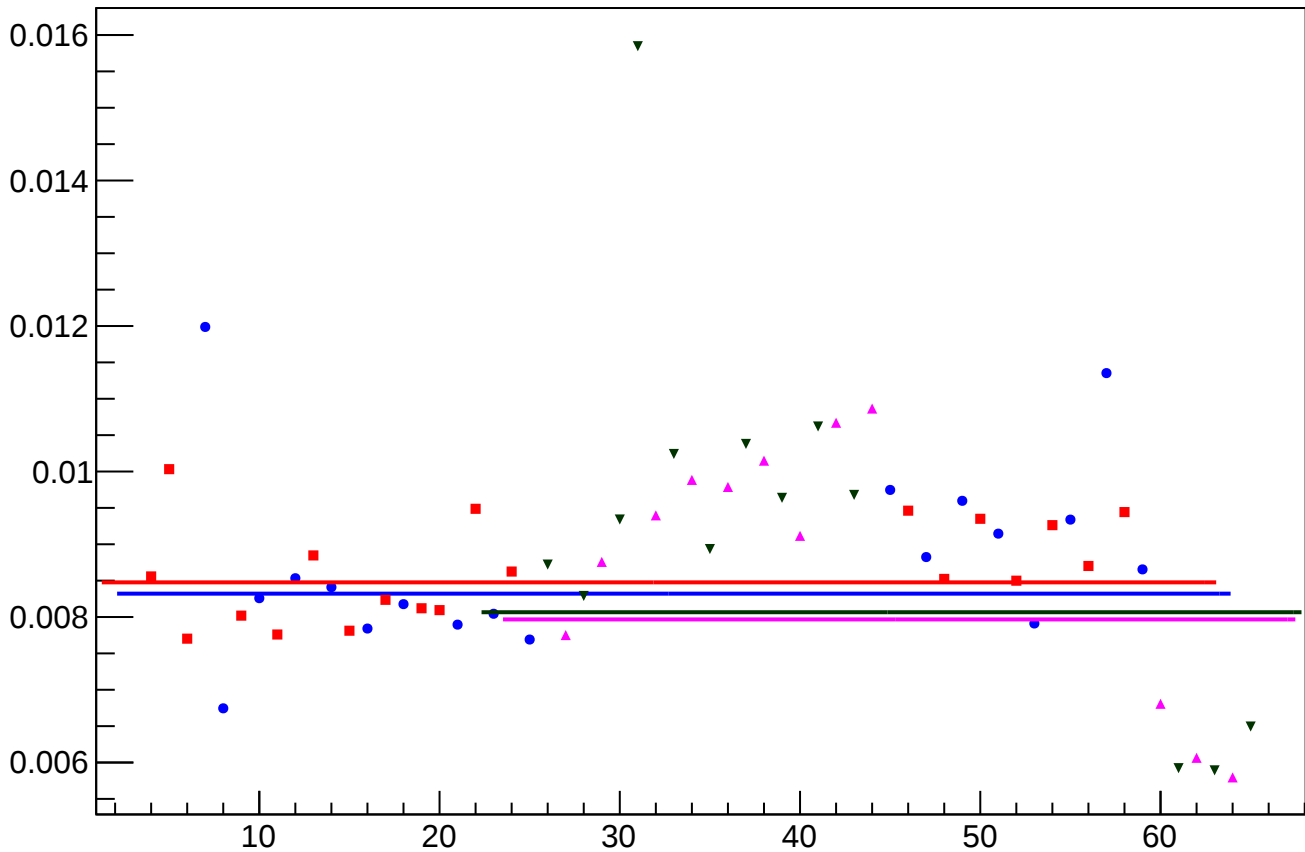
1.283 ± 0.000 χ^2/NDF : 68294615826.8/30

Right Out: 1.675 ± 0.000 χ^2/NDF : 9809193440.2/18

1.247 ± 0.000 χ^2/NDF : 58391143438.8/30

Left In: 0.740 ± 0.000 χ^2/NDF : 3048156188.9/11

yield_bpm0l03Y_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 231289.2/17

Left Out: 0.008+/-0.000 χ^2/NDF :640740.1/12

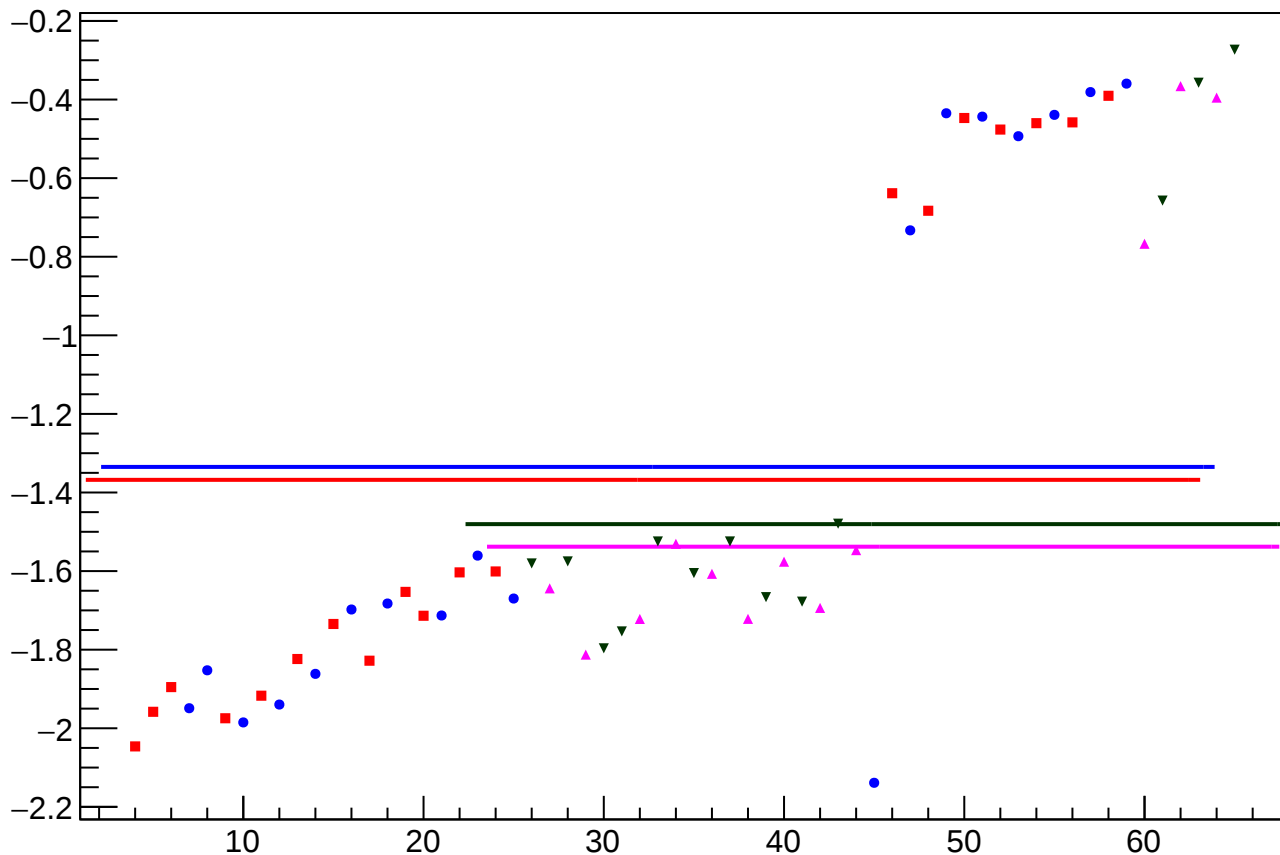
Right Out: 0.008+/-0.000 χ^2/NDF : 80155.6/18

Left In: 0.008+/-0.000 χ^2/NDF :544803.8/11

0.008+/-0.000 χ^2/NDF : 878753.2/30

0.008+/-0.000 χ^2/NDF : 651943.1/30

yield_bpm0l04X_mean vs slug



Right In: -1.335+/-0.000 χ^2/NDF : 38397269291.9/17

Left Out: -1.480+/-0.000 χ^2/NDF : 6237675698.6/12

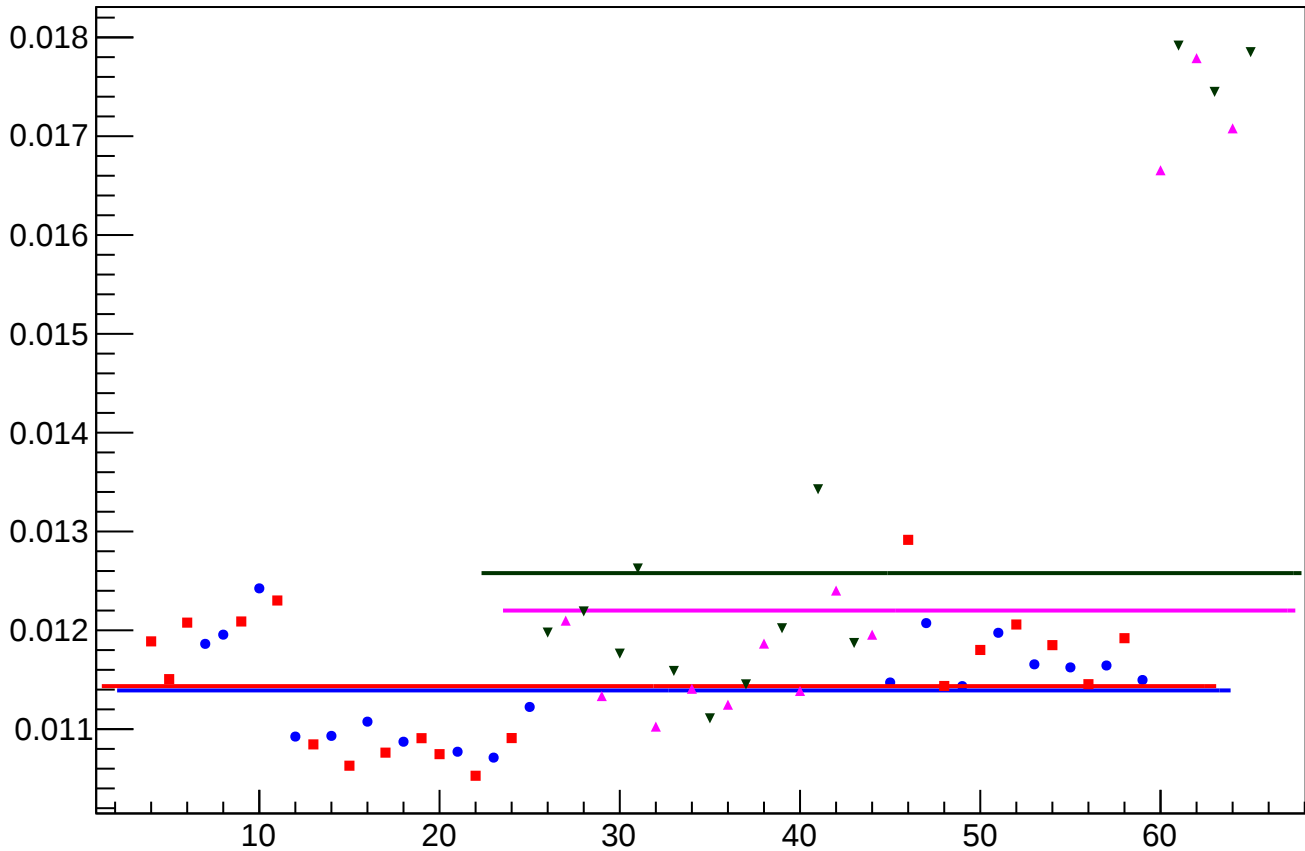
Right Out: -1.368+/-0.000 χ^2/NDF : 29057521992.7/18

Left In: -1.538+/-0.000 χ^2/NDF : 6652795932.6/11

-1.382+/-0.000 χ^2/NDF : 45224149295.7/30

-1.433+/-0.000 χ^2/NDF : 36544365516.3/30

yield_bpm0l04X_rms vs slug



Right In: 0.011+/-0.000 $\chi^2/\text{NDF}: 41989.4/17$

Left Out: 0.013+/-0.000 $\chi^2/\text{NDF}: 295056.8/12$

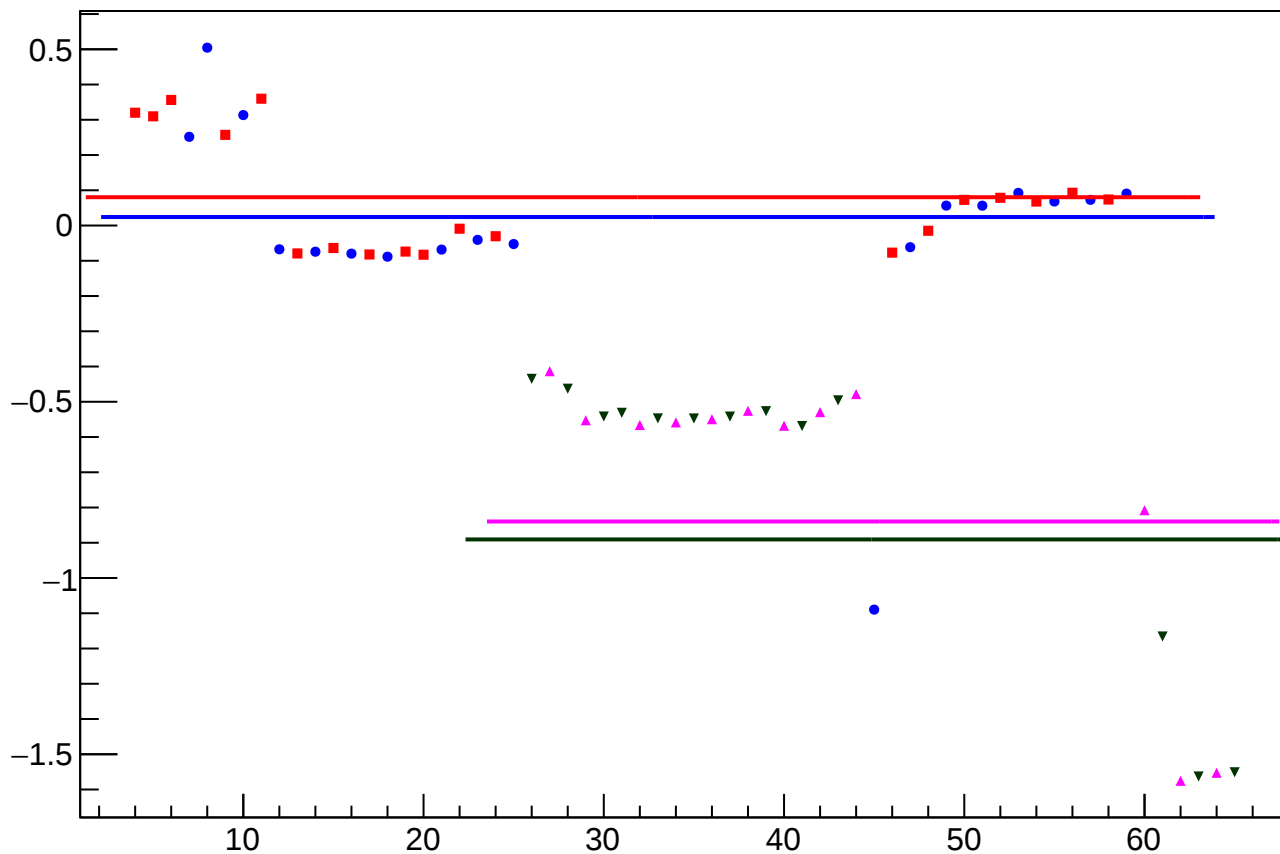
Right Out: 0.011+/-0.000 $\chi^2/\text{NDF}: 65676.1/18$

Left In: 0.012+/-0.000 $\chi^2/\text{NDF}: 306770.5/11$

0.012+/-0.000 $\chi^2/\text{NDF}: 415350.7/30$

0.012+/-0.000 $\chi^2/\text{NDF}: 406169.2/30$

yield_bpm0l04Y_mean vs slug



Right In: 0.024+/-0.000 χ^2/NDF : 18234538167.9/17

Left Out: -0.891+/-0.000 χ^2/NDF : 29231160737.9/12

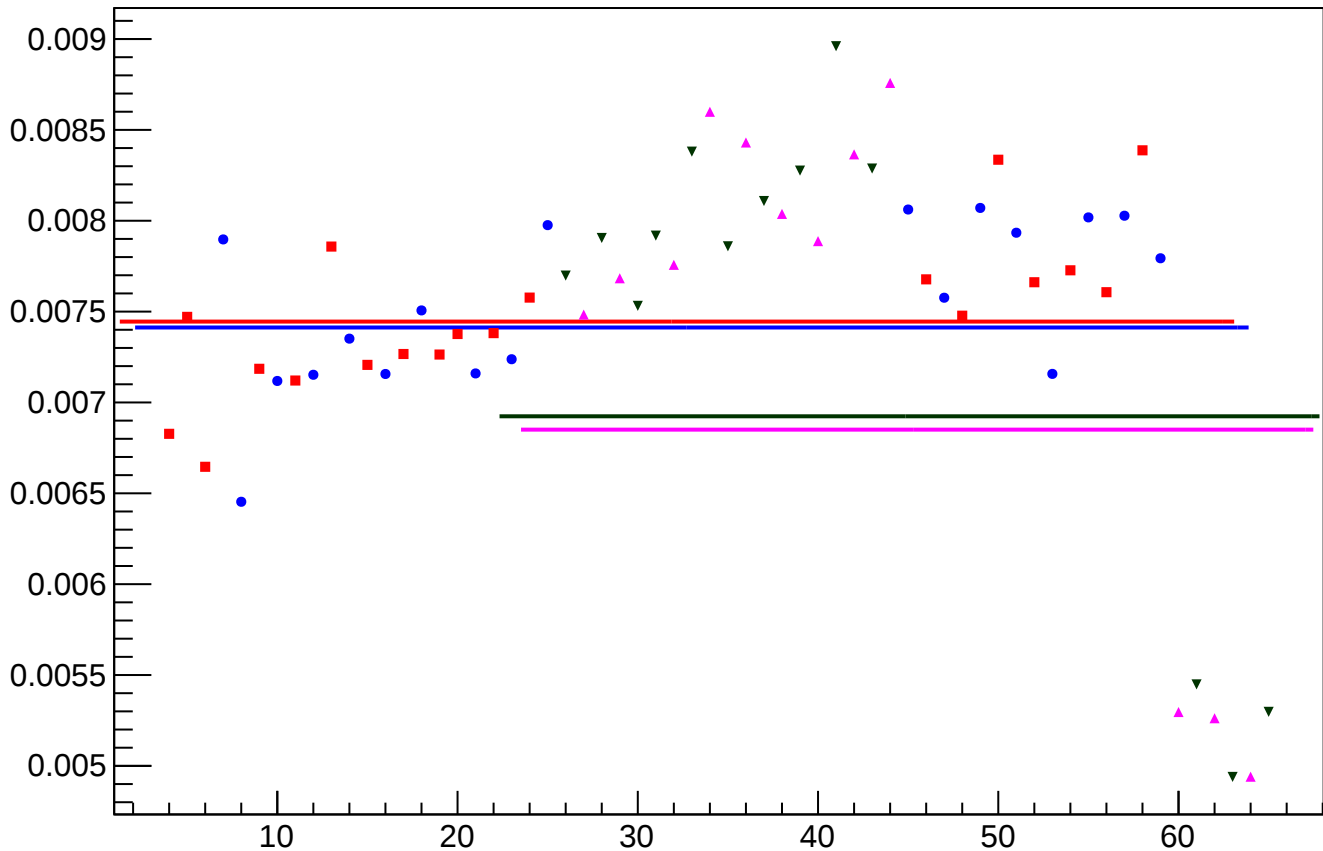
Right Out: 0.080+/-0.000 χ^2/NDF : 4561023053.2/18

Left In: -0.840+/-0.000 χ^2/NDF : 29169736408.8/11

-0.340+/-0.000 χ^2/NDF : 113427139271.3/30

-0.338+/-0.000 χ^2/NDF : 100117435021.0/30

yield_bpm0l04Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 91120.7/17

Left Out: 0.007+/-0.000 χ^2/NDF : 546452.9/12

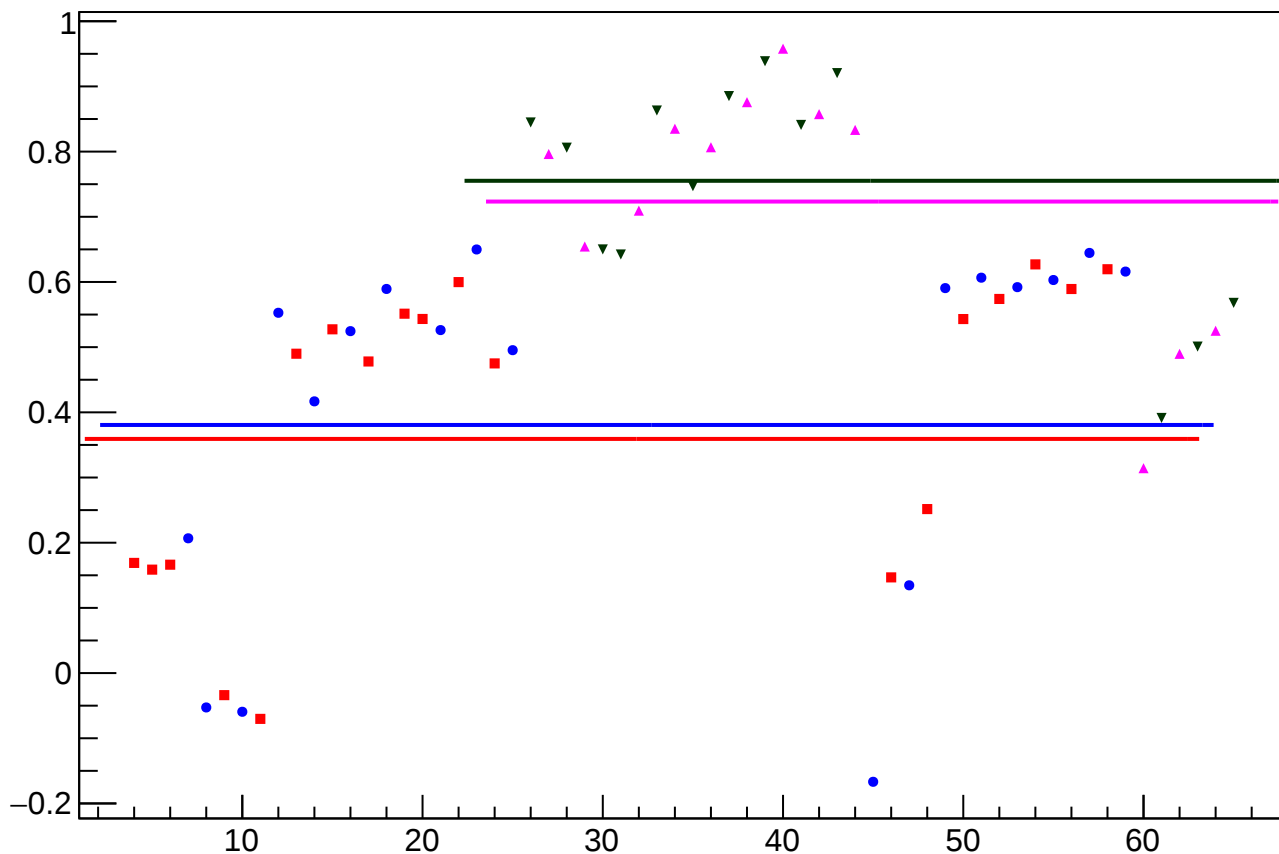
Right Out: 0.007+/-0.000 χ^2/NDF : 61122.7/18

Left In: 0.007+/-0.000 χ^2/NDF : 585150.1/11

0.007+/-0.000 χ^2/NDF : 675232.5/30

0.007+/-0.000 χ^2/NDF : 701737.6/30

yield_bpm0l05X_mean vs slug



Right In: 0.381 $\pm$ 0.000 χ^2/NDF : 17766233664.3/17

Left Out: 0.755 $\pm$ 0.000 χ^2/NDF : 3121804733.7/12

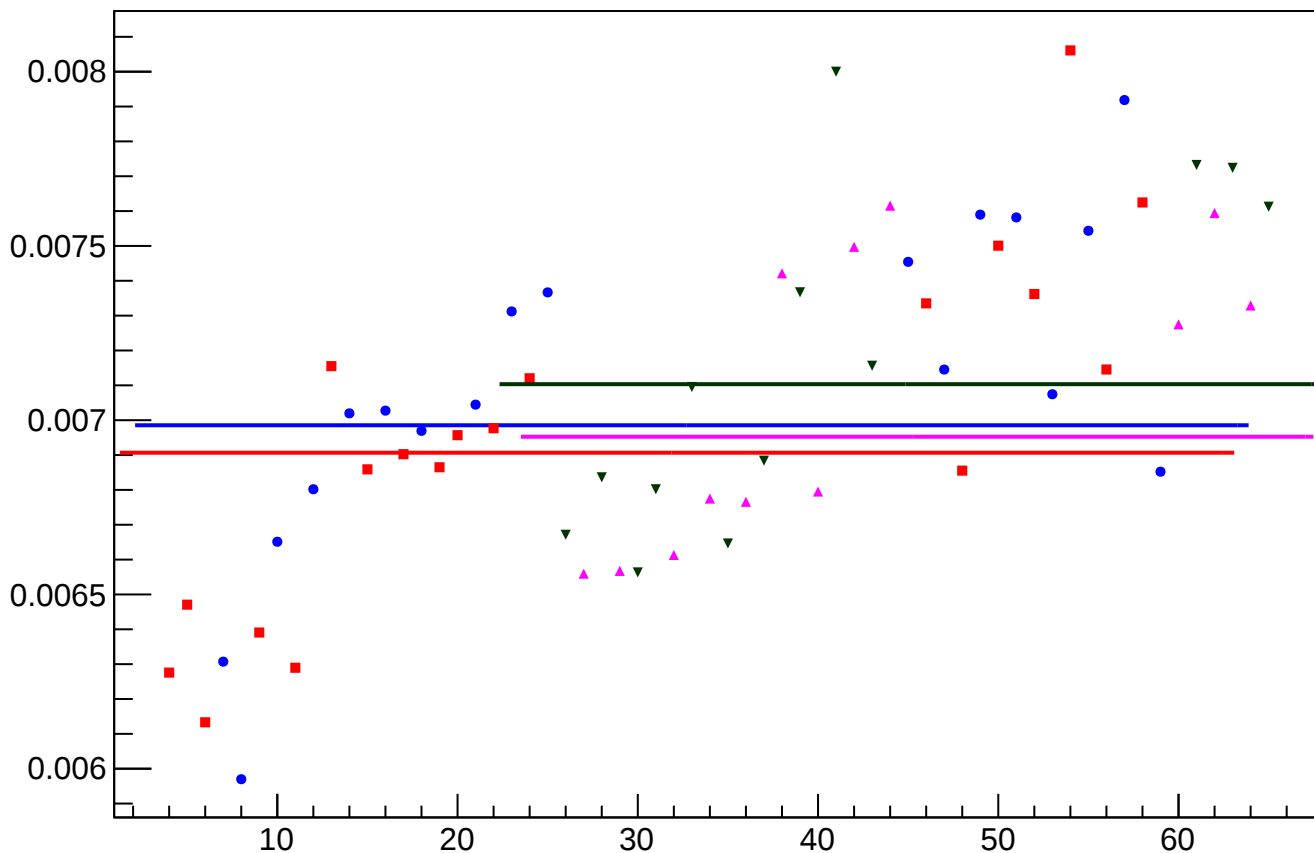
Right Out: 0.359 $\pm$ 0.000 χ^2/NDF : 11904326957.3/18

Left In: 0.723 $\pm$ 0.000 χ^2/NDF : 3971895996.1/11

0.519 $\pm$ 0.000 χ^2/NDF : 32507788622.2/30

0.512 $\pm$ 0.000 χ^2/NDF : 27131618660.9/30

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 : 52975.9/12

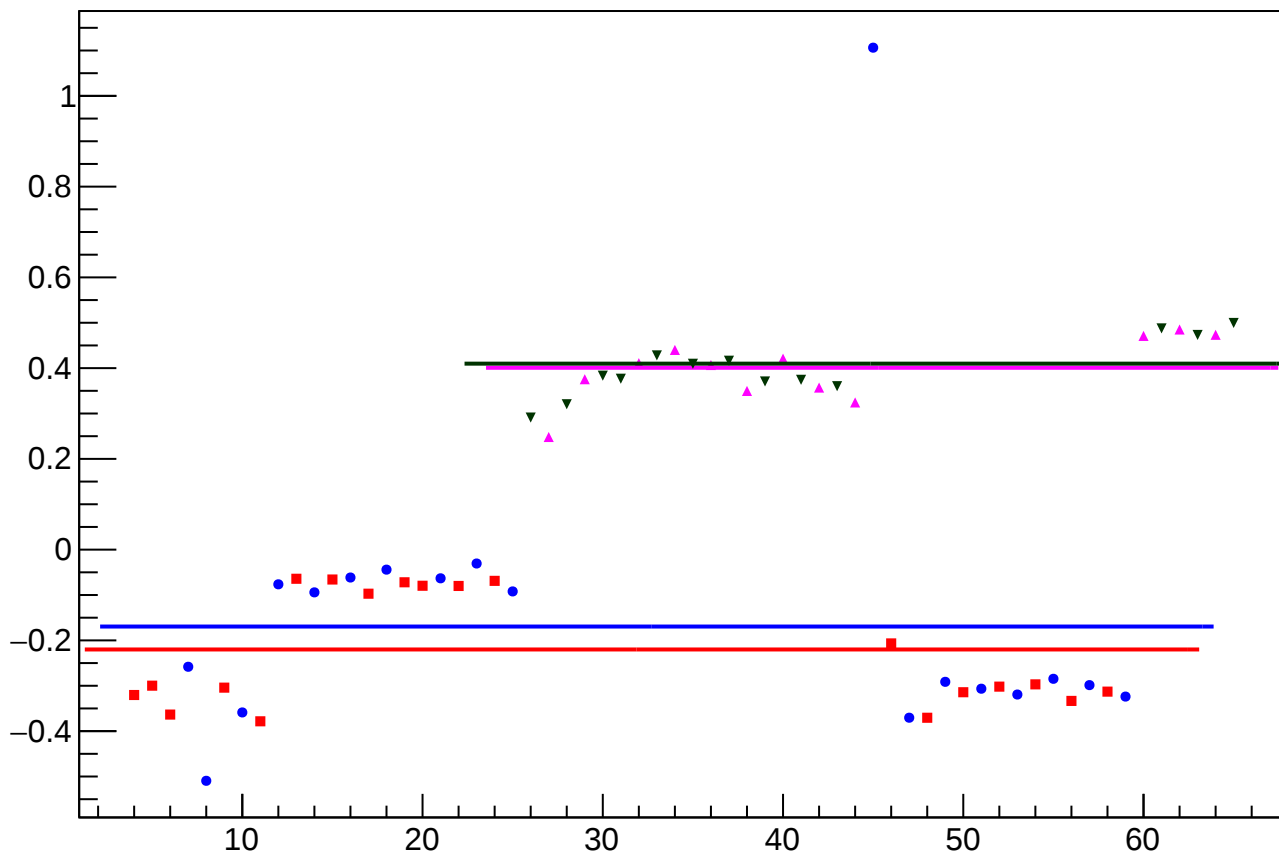
Right Out: 0.007+/-0.000 χ^2/NDF : 97555.6/18

Left In: 0.007+/-0.000 χ^2/NDF : 47258.3/11

0.007+/-0.000 χ^2/NDF : 162433.3/30

0.007+/-0.000 χ^2/NDF : 145169.6/30

yield_bpm0l05Y_mean vs slug



Right In: -0.169+/-0.000 χ^2/NDF : 37135565875.9/17

Left Out: 0.410+/-0.000 χ^2/NDF :987212036.3/12

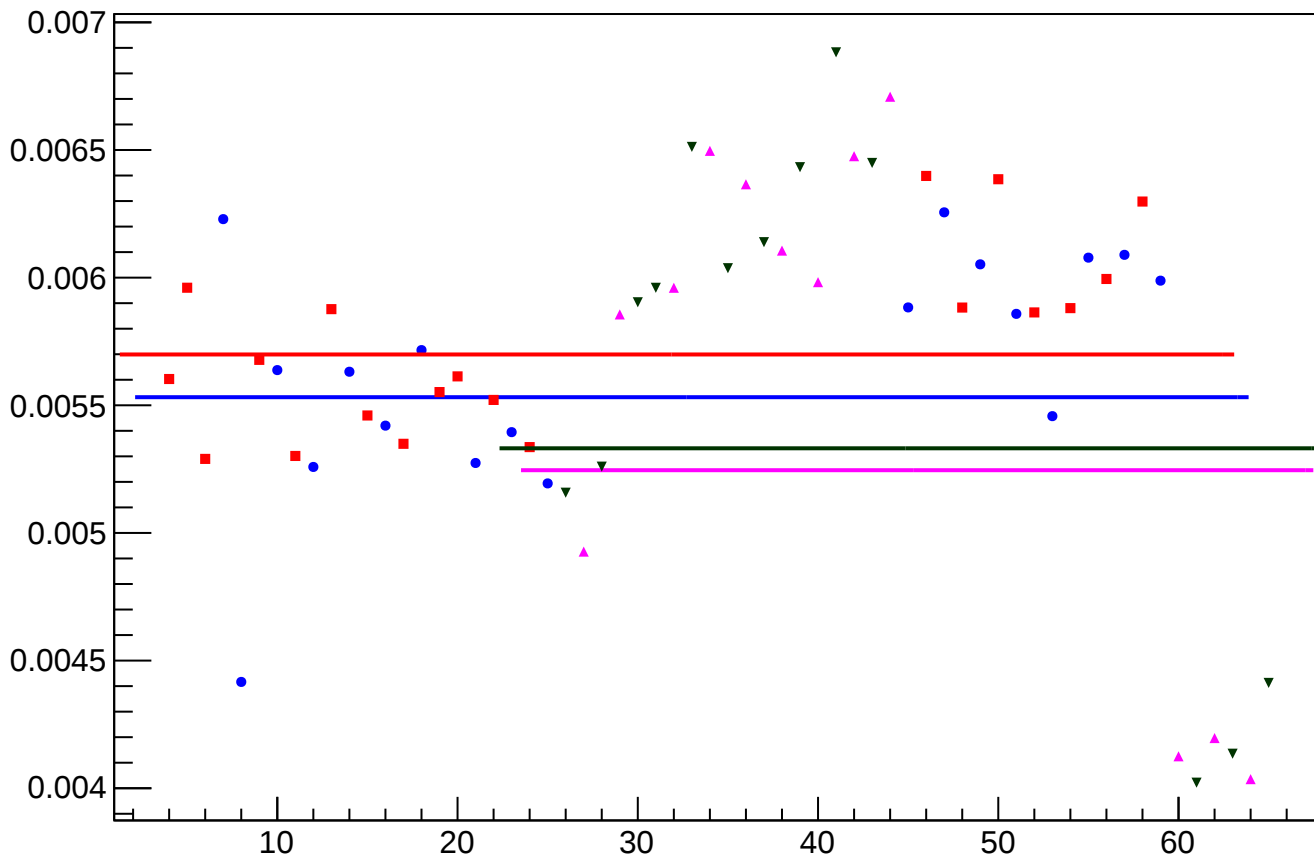
Right Out: -0.220+/-0.000 χ^2/NDF : 4721801975.9/18

Left In: 0.401+/-0.000 χ^2/NDF :1458519789.3/11

0.054+/-0.000 χ^2/NDF : 83684087978.4/30

0.063+/-0.000 χ^2/NDF : 57650671924.2/30

yield_bpm0l05Y_rms vs slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 186989.4/17

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 416469.6/12

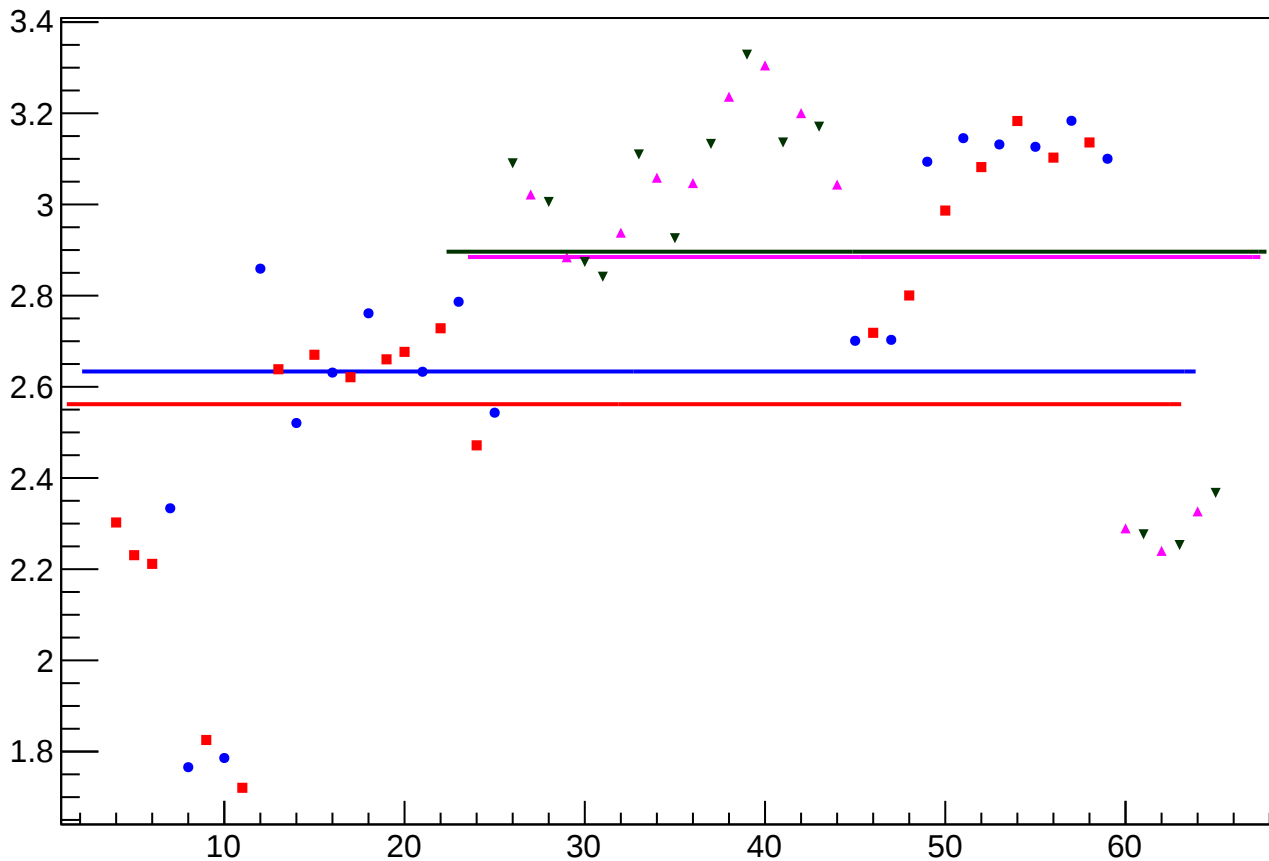
Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 66415.4/18

Left In: 0.005 $\pm$ 0.000 χ^2 /NDF: 465500.9/11

0.005 $\pm$ 0.000 χ^2 /NDF: 614336.0/30

0.005 $\pm$ 0.000 χ^2 /NDF: 586804.4/30

yield_bpm0l06X_mean vs slug



Right In: 2.634 $\pm$ 0.000 χ^2 /NDF: 15879791998.3/17

Left Out: 2.896 $\pm$ 0.000 χ^2 /NDF: 7942542099.7/12

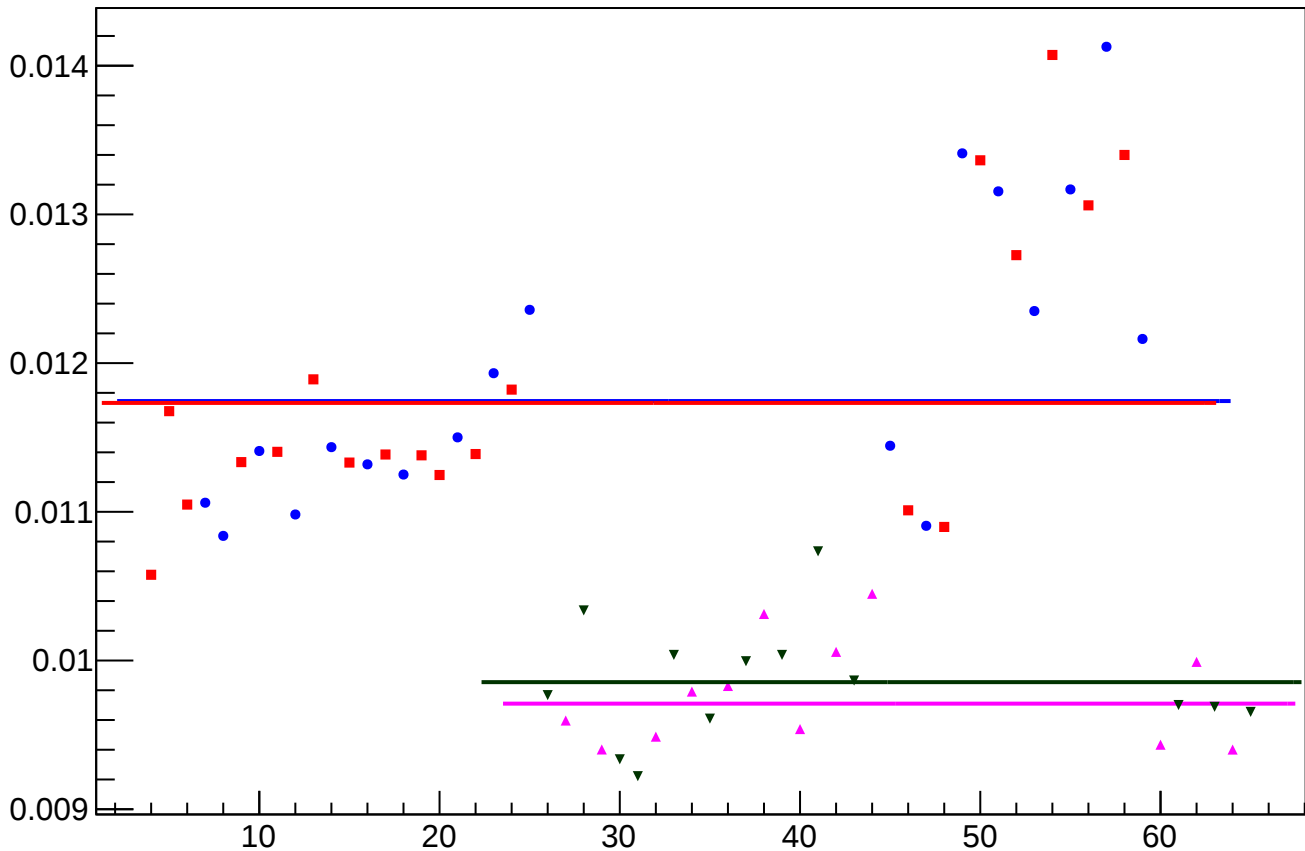
2.755 $\pm$ 0.000 χ^2 /NDF: 26360282922.7/30

Right Out: 2.562 $\pm$ 0.000 χ^2 /NDF: 12349960173.0/18

2.729 $\pm$ 0.000 χ^2 /NDF: 24578728115.9/30

Left In: 2.885 $\pm$ 0.000 χ^2 /NDF: 8465858612.1/11

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:19985.9/12

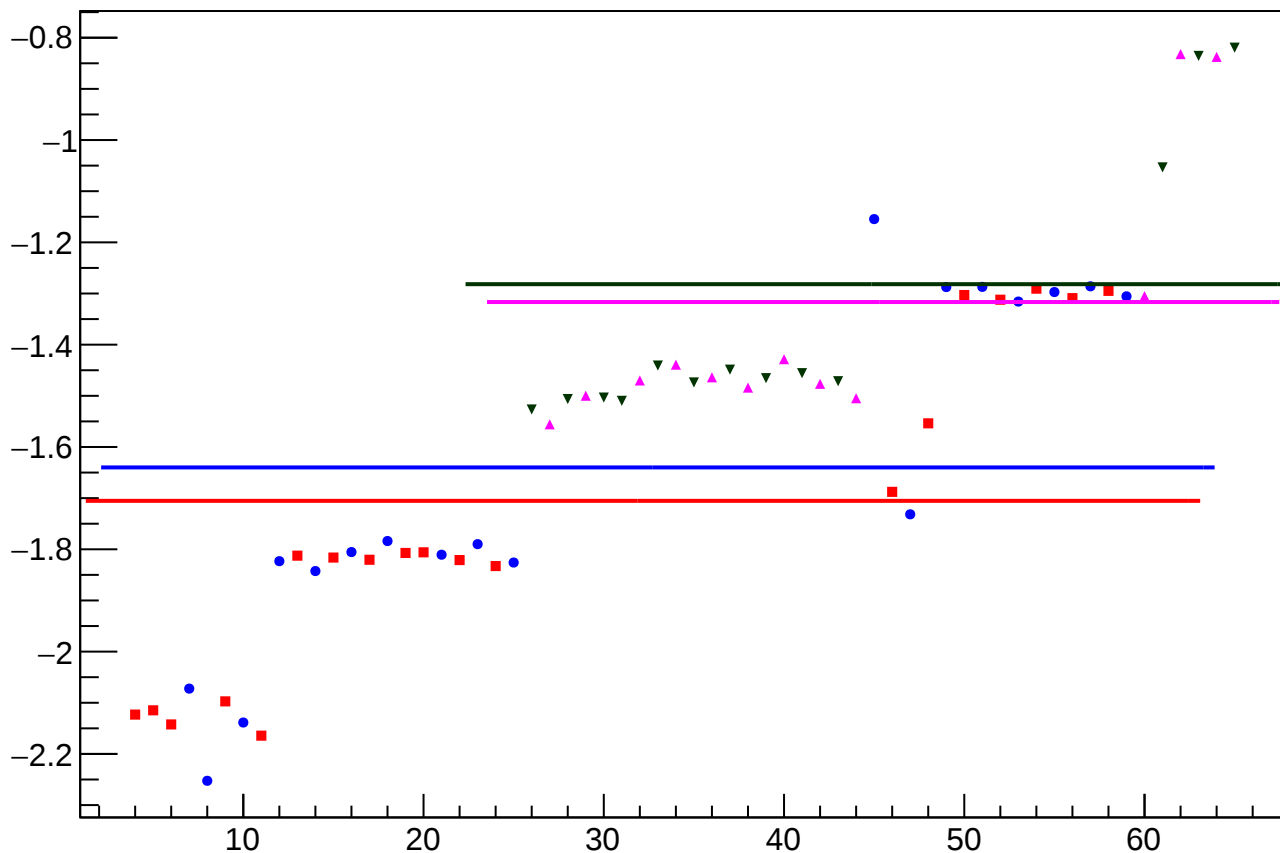
Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 107336.5/18

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:16096.9/11

0.011 $\pm$ 0.000 χ^2 /NDF: 400031.0/30

0.011 $\pm$ 0.000 χ^2 /NDF: 418838.5/30

yield_bpm0l06Y_mean vs slug



Right In: -1.640+/-0.000 χ^2/NDF : 63862011114.5/17

Left Out: -1.282+/-0.000 χ^2/NDF : 21741875088.0/12

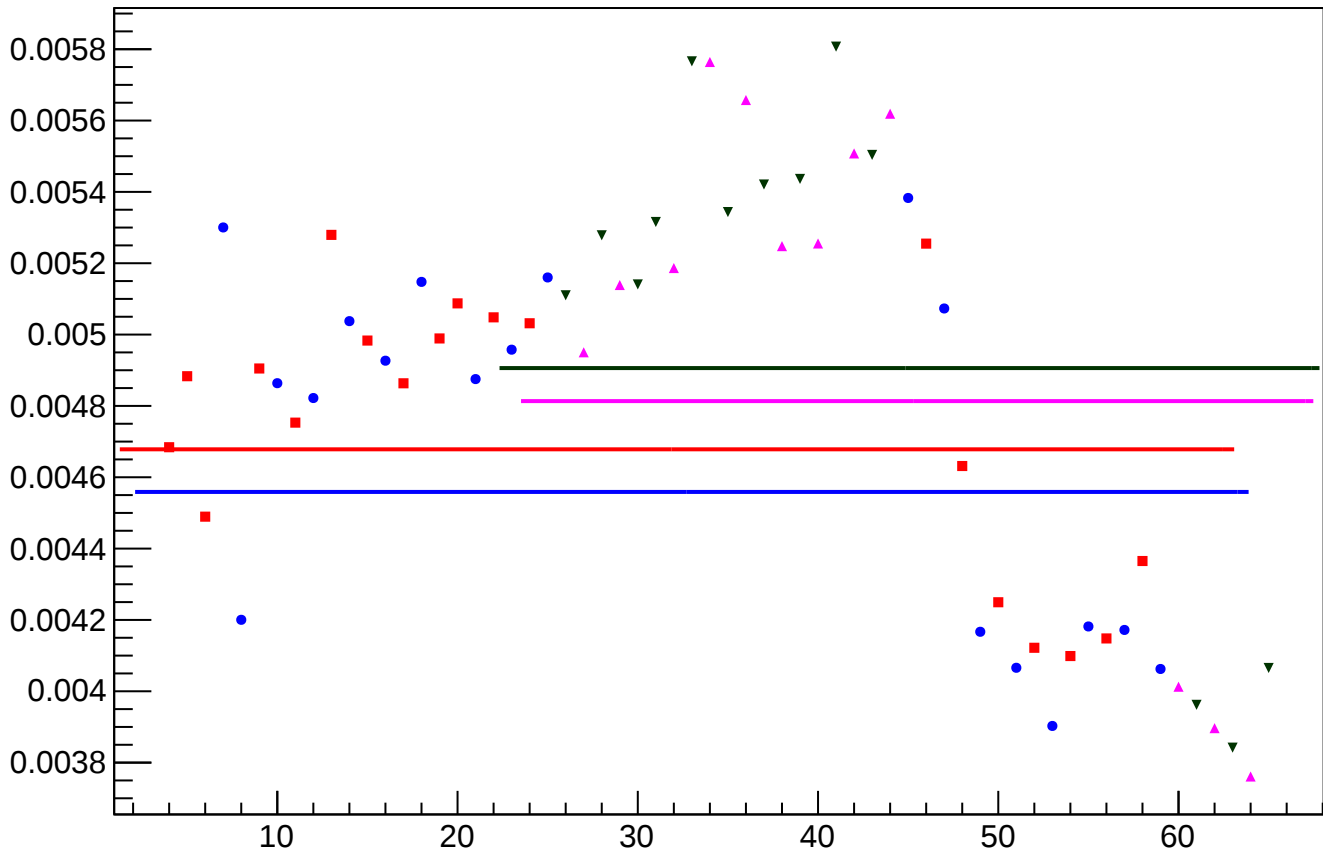
Right Out: -1.705+/-0.000 χ^2/NDF : 45414052250.2/18

Left In: -1.317+/-0.000 χ^2/NDF : 22019643289.9/11

-1.519+/-0.000 χ^2/NDF : 108253995047.5/30

-1.548+/-0.000 χ^2/NDF : 94177457472.4/30

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 :269147.8/12

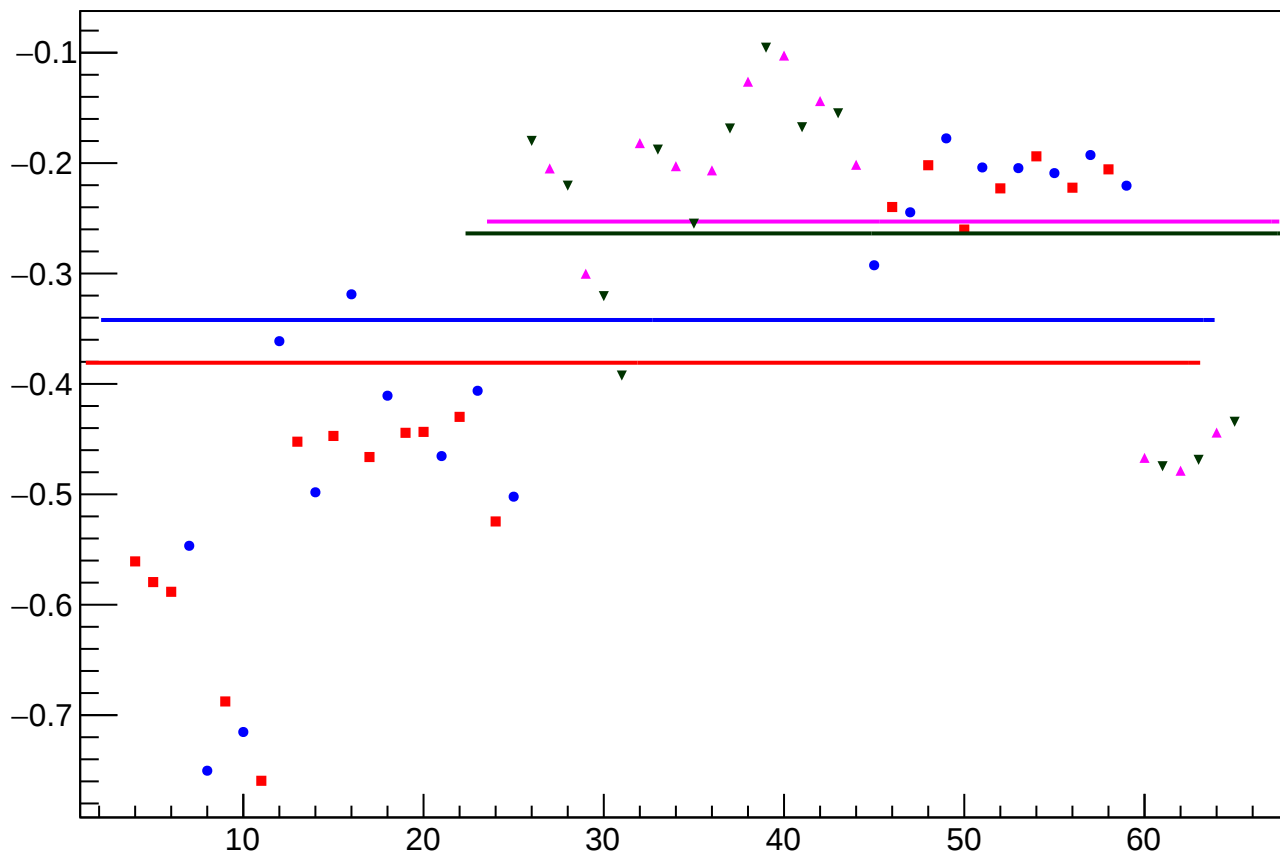
Right Out: 0.005+/-0.000 χ^2/NDF : 136426.0/18

Left In: 0.005+/-0.000 χ^2/NDF :293368.2/11

0.005+/-0.000 χ^2/NDF : 540307.6/30

0.005+/-0.000 χ^2/NDF : 436263.1/30

yield_bpm0l07X_mean vs slug



Right In: -0.342+/-0.000 χ^2/NDF : 1669772673.5/17

Left Out: -0.264+/-0.000 χ^2/NDF : 471716260.9/12

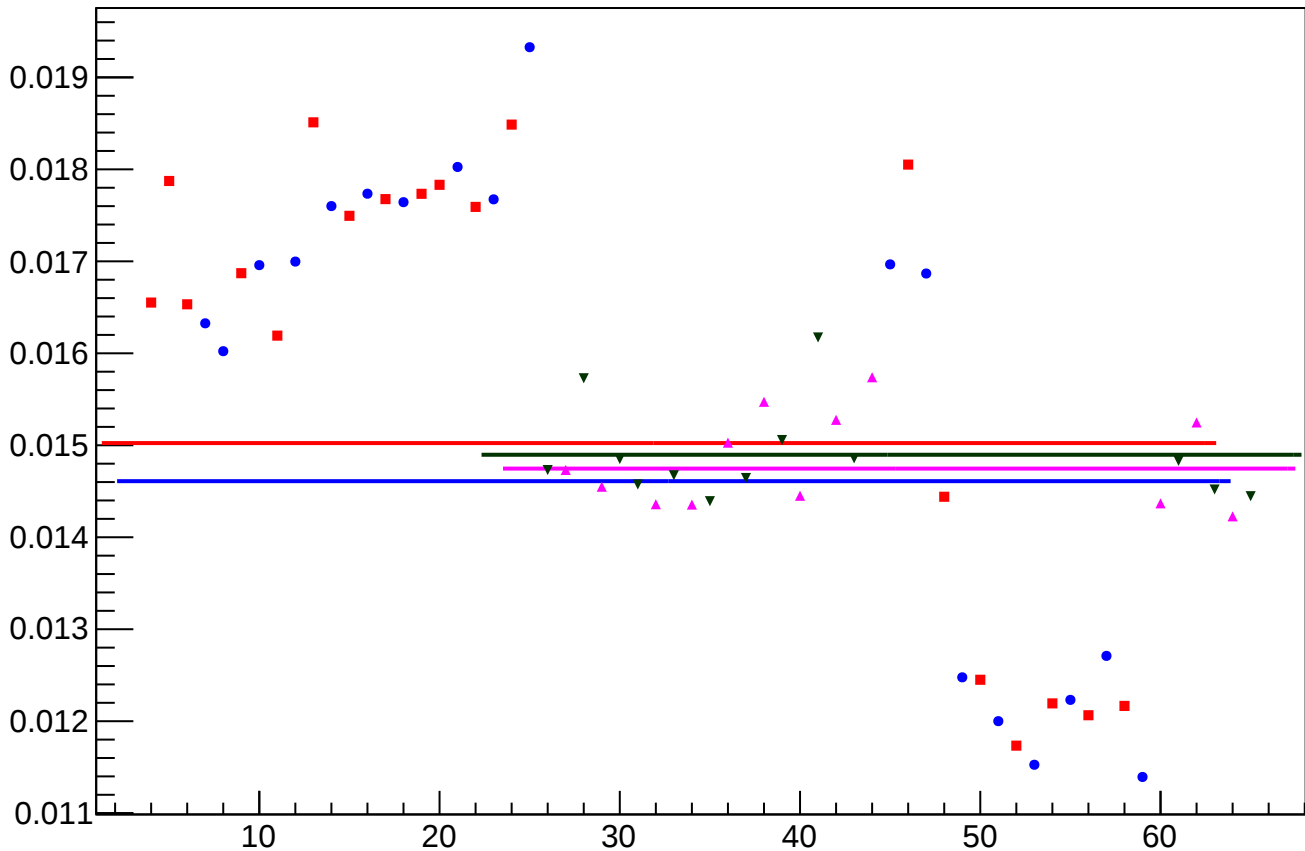
Right Out: -0.381+/-0.000 χ^2/NDF : 1387002500.9/18

Left In: -0.253+/-0.000 χ^2/NDF : 484042255.0/11

-0.312+/-0.000 χ^2/NDF : 2257666413.8/30

-0.324+/-0.000 χ^2/NDF : 2170085725.7/30

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 : 15248.3/12

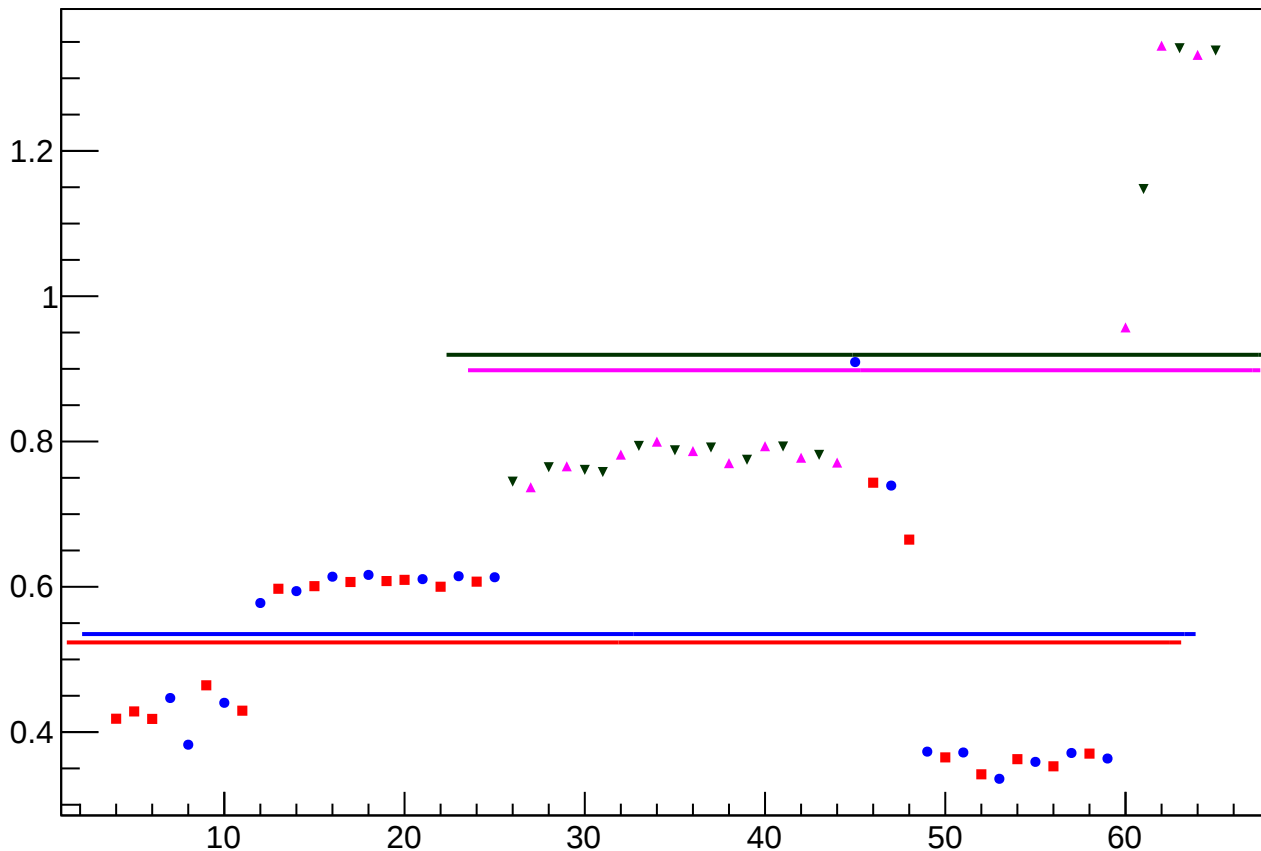
Right Out: 0.015 ± 0.000 χ^2/NDF : 573783.3/18

Left In: 0.015 ± 0.000 χ^2/NDF : 13844.8/11

0.015 ± 0.000 χ^2/NDF : 730290.5/30

0.015 ± 0.000 χ^2/NDF : 590442.7/30

yield_bpm0l07Y_mean vs slug



Right In: 0.535+/-0.000 χ^2/NDF : 21231144094.8/17

Left Out: 0.919+/-0.000 χ^2/NDF : 37448162316.2/12

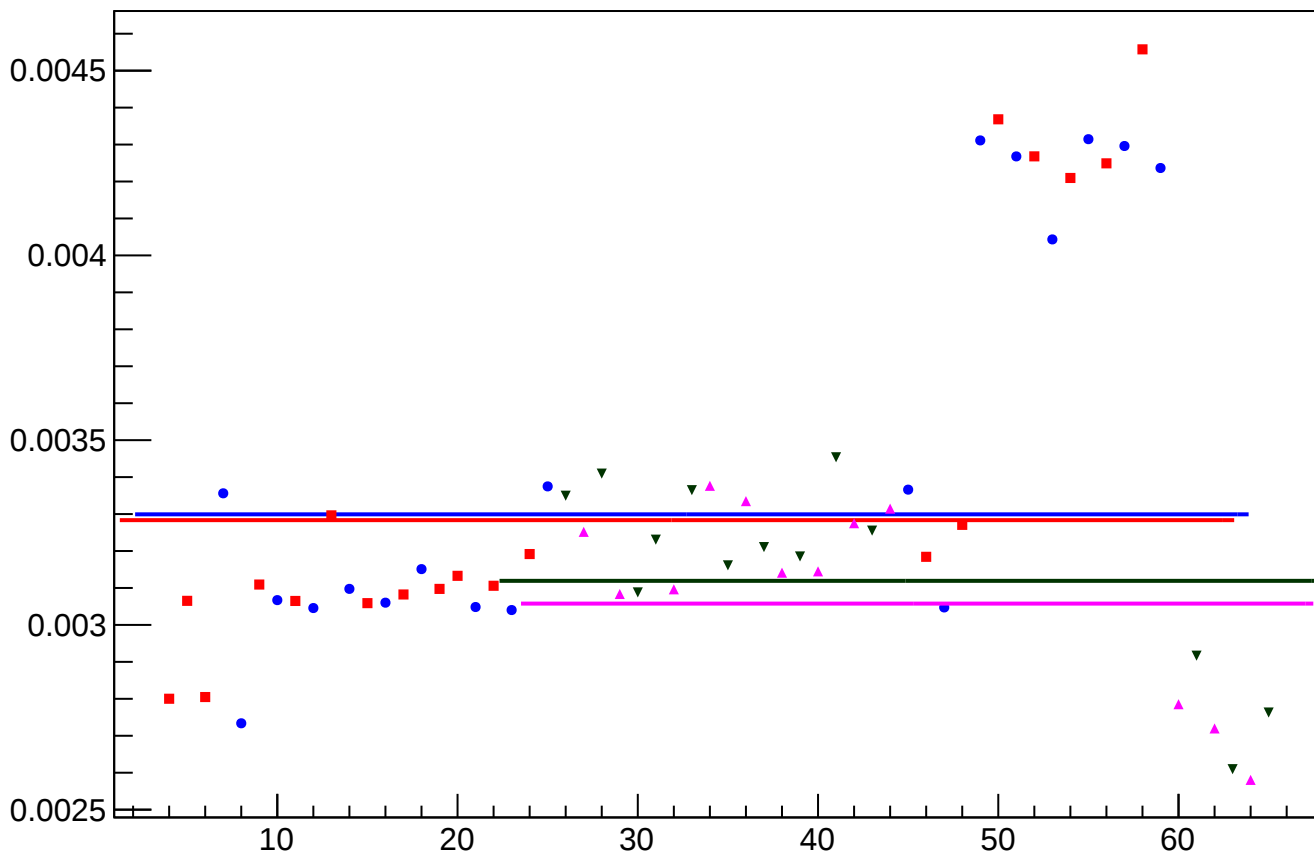
Right Out: 0.523+/-0.000 χ^2/NDF : 11523934099.1/18

Left In: 0.898+/-0.000 χ^2/NDF : 36685543406.4/11

0.691+/-0.000 χ^2/NDF : 117763221566.9/30

0.696+/-0.000 χ^2/NDF : 104913399865.9/30

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 :93688.7/12

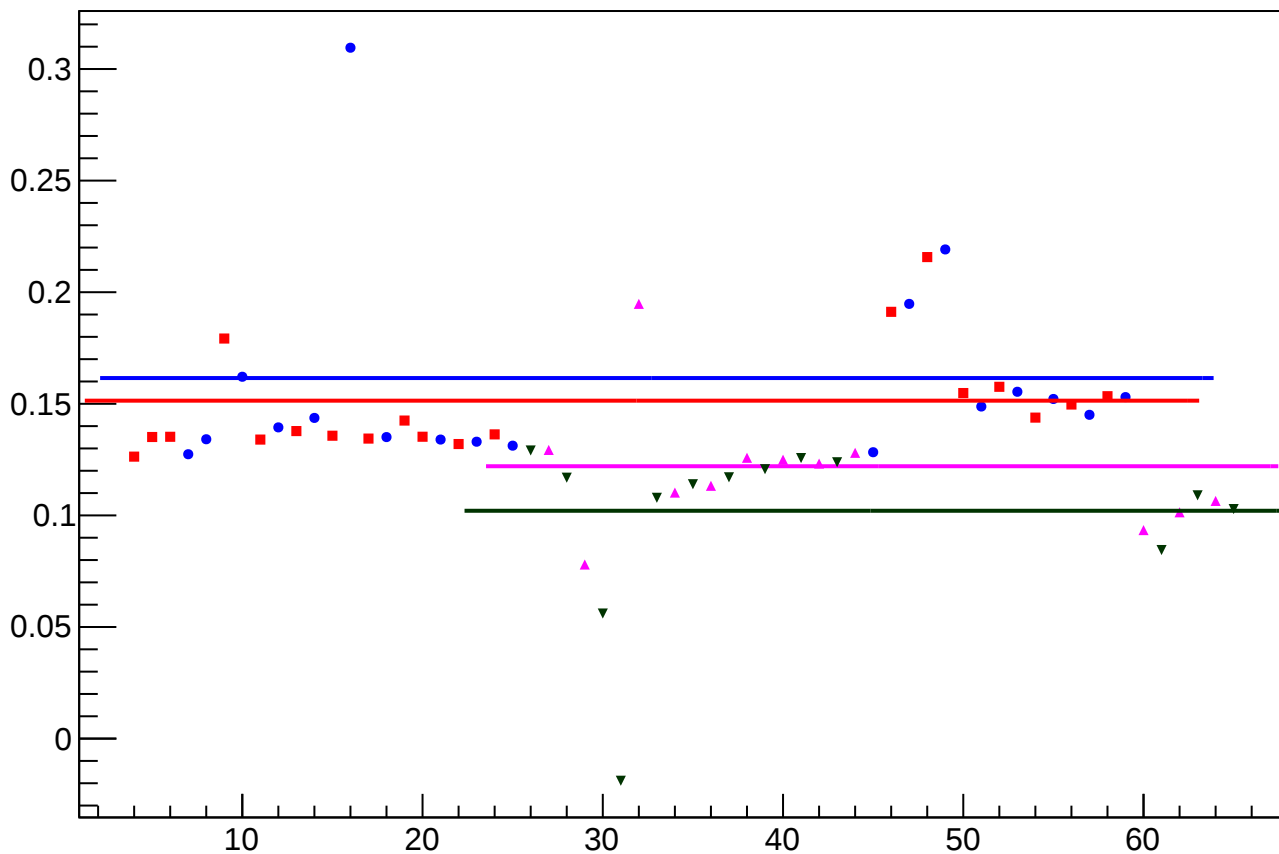
Right Out: 0.003+/-0.000 χ^2/NDF : 382277.8/18

Left In: 0.003+/-0.000 χ^2/NDF :94865.7/11

0.003+/-0.000 χ^2/NDF : 617162.2/30

0.003+/-0.000 χ^2/NDF : 518358.1/30

yield_bpm0l08X_mean vs slug



Right In: 0.162 ± 0.000 χ^2/NDF : 94764439.1/17

Left Out: 0.102 ± 0.000 χ^2/NDF : 43376679.6/12

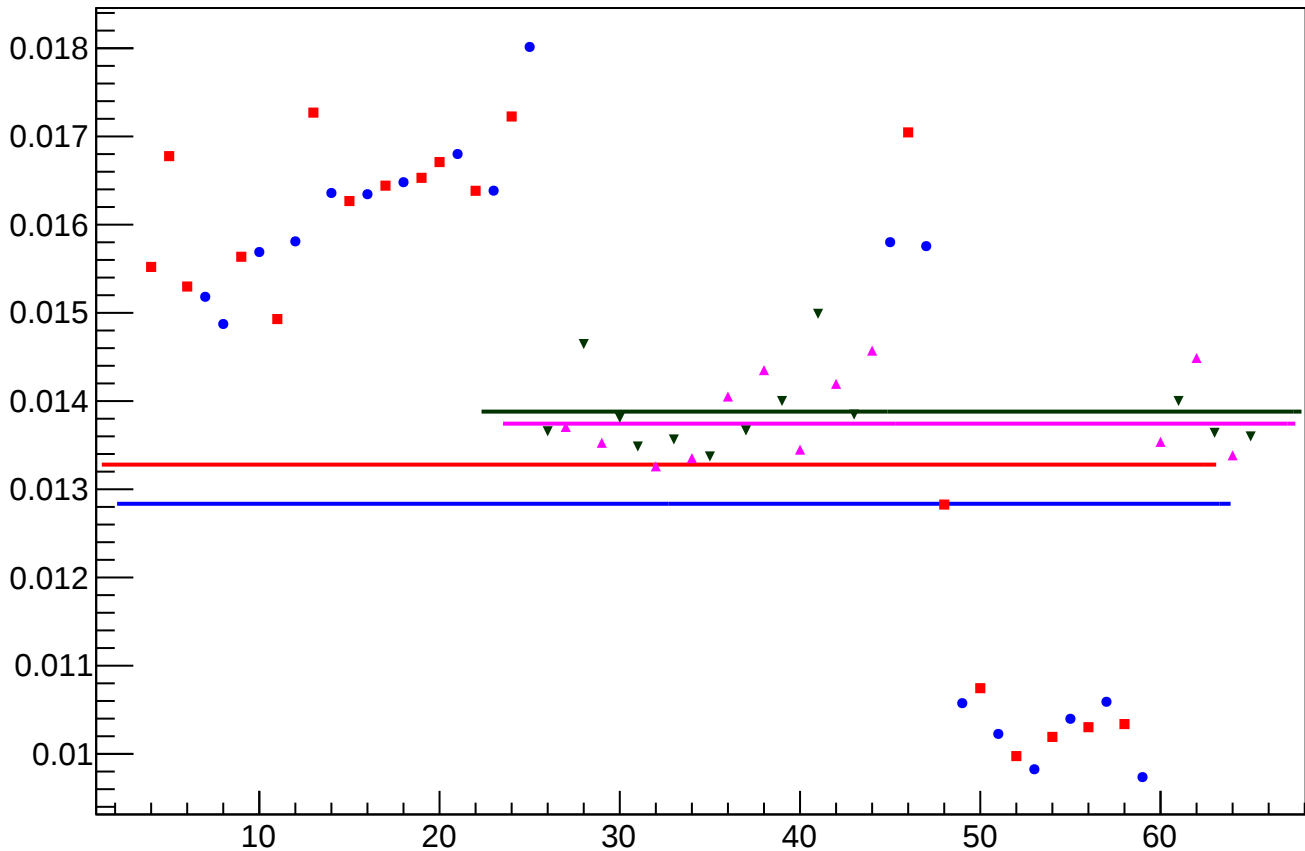
Right Out: 0.151 ± 0.000 χ^2/NDF : 22463584.0/18

Left In: 0.122 ± 0.000 χ^2/NDF : 40321176.0/11

0.140 ± 0.000 χ^2/NDF : 217890333.9/30

0.139 ± 0.000 χ^2/NDF : 81610994.8/30

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 :14307.0/12

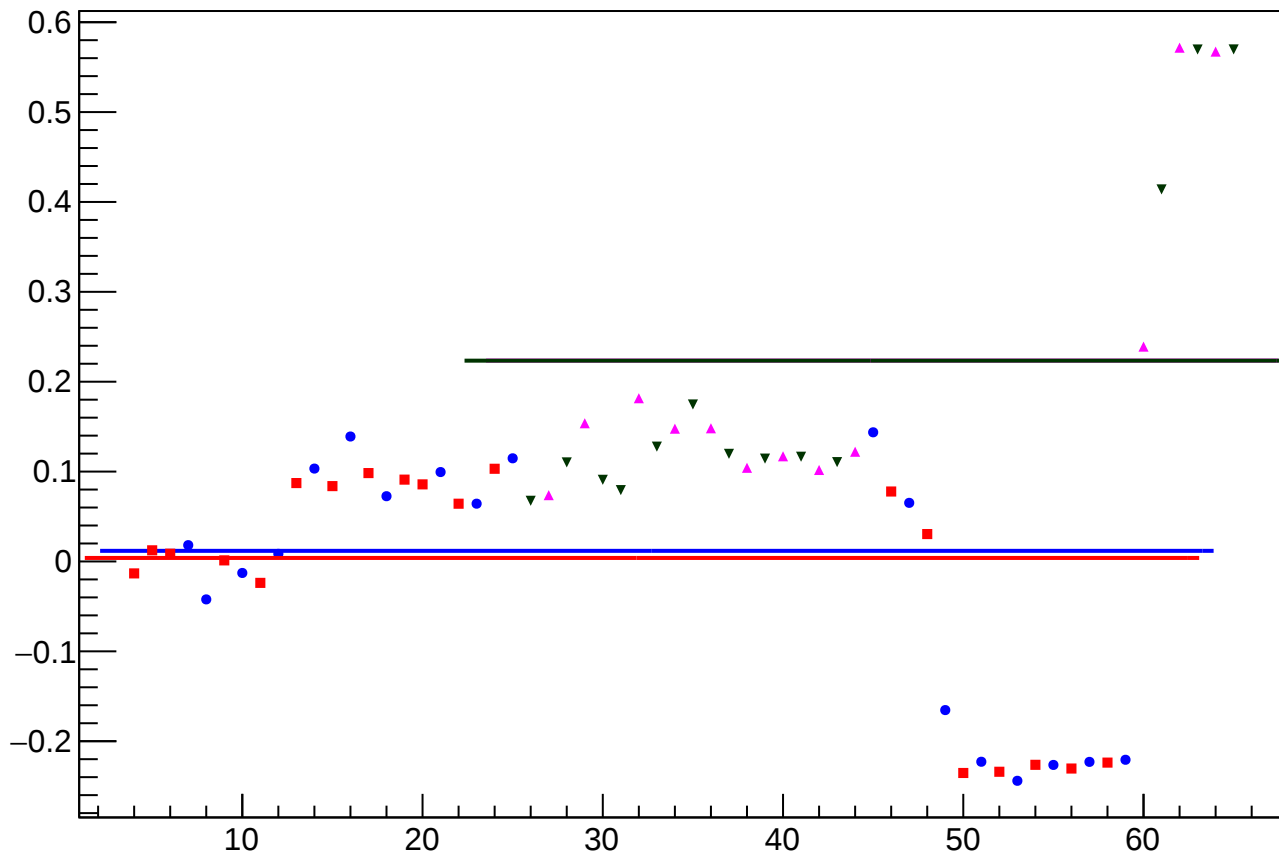
Right Out: 0.013+/-0.000 χ^2/NDF : 890007.3/18

Left In: 0.014+/-0.000 χ^2/NDF :14271.0/11

0.013+/-0.000 χ^2/NDF : 1151814.8/30

0.013+/-0.000 χ^2/NDF : 913683.1/30

yield_bpm0l08Y_mean vs slug



Right In: 0.012+/-0.000 χ^2/NDF : 12179192870.2/17

Left Out: 0.223+/-0.000 χ^2/NDF : 23516336943.9/12

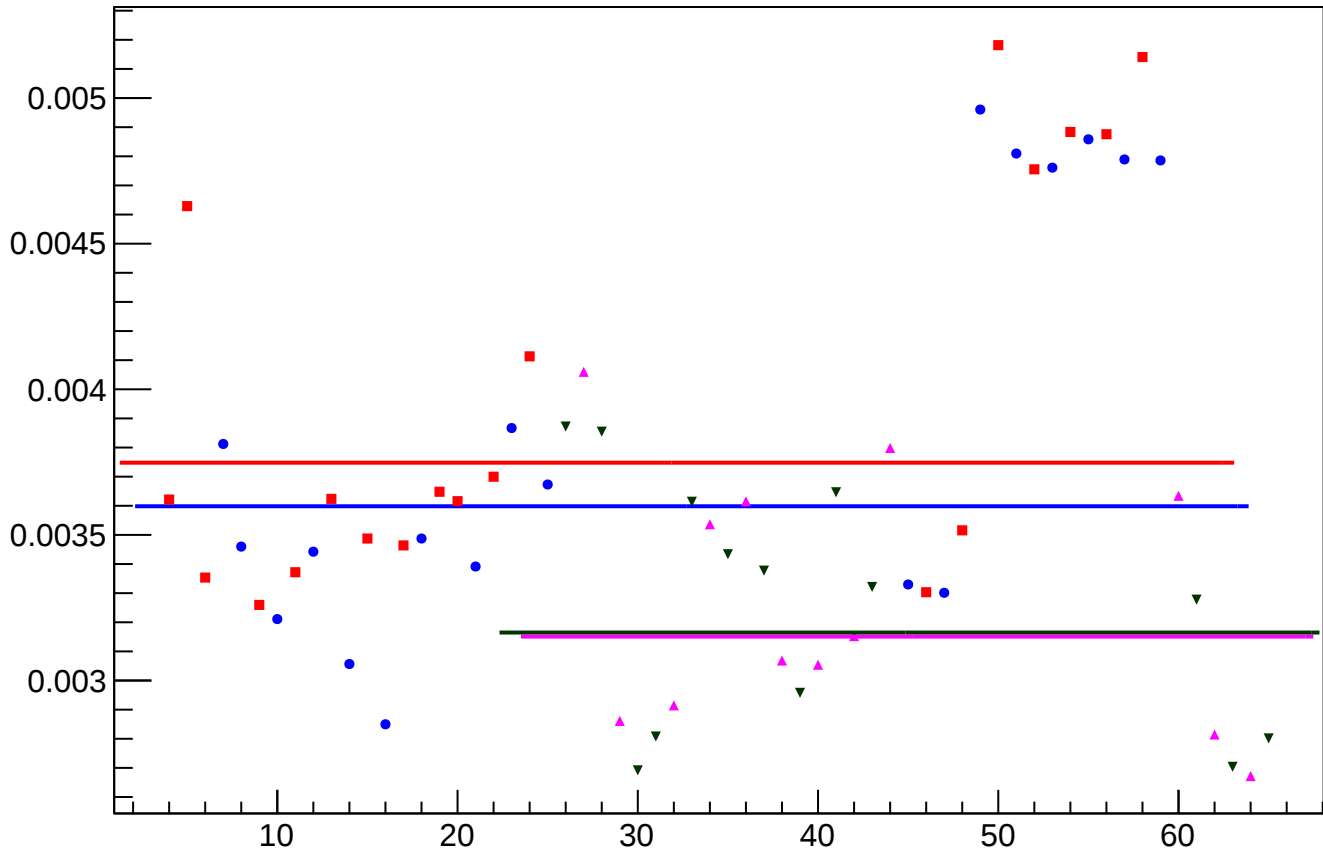
Right Out: 0.004+/-0.000 χ^2/NDF : 7924148421.7/18

Left In: 0.224+/-0.000 χ^2/NDF : 20455866564.7/11

0.105+/-0.000 χ^2/NDF : 51651454099.1/30

0.116+/-0.000 χ^2/NDF : 44527808629.1/30

yield_bpm0l08Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 672957.8/17

Left Out: 0.003+/-0.000 χ^2/NDF :215495.9/12

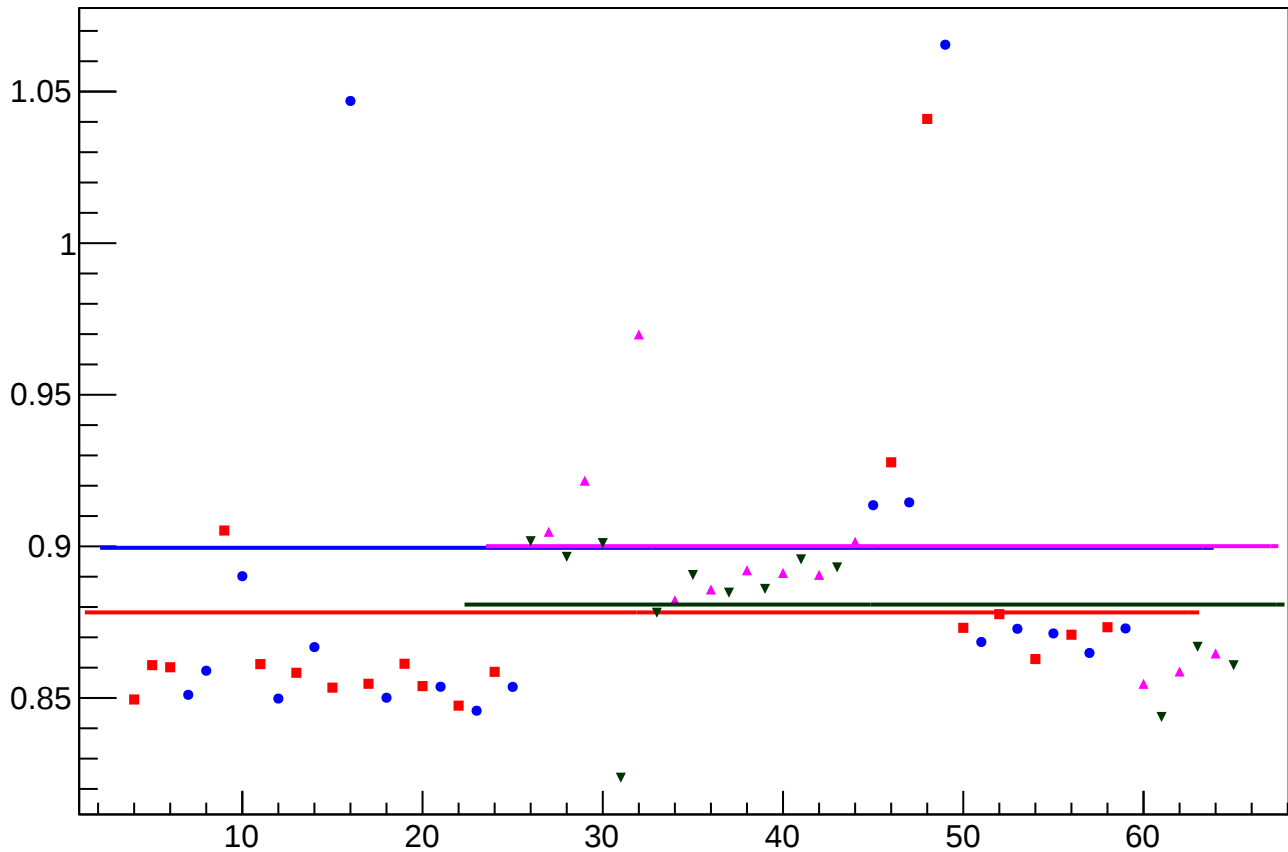
Right Out: 0.004+/-0.000 χ^2/NDF : 427283.7/18

Left In: 0.003+/-0.000 χ^2/NDF :232901.5/11

0.003+/-0.000 χ^2/NDF : 1022393.5/30

0.003+/-0.000 χ^2/NDF : 899023.5/30

yield_bpm0l09X_mean vs slug



Right In: 0.900 $\pm$ 0.000 χ^2 /NDF: 324904340.4/17

Left Out: 0.881 $\pm$ 0.000 χ^2 /NDF:16022539.1/12

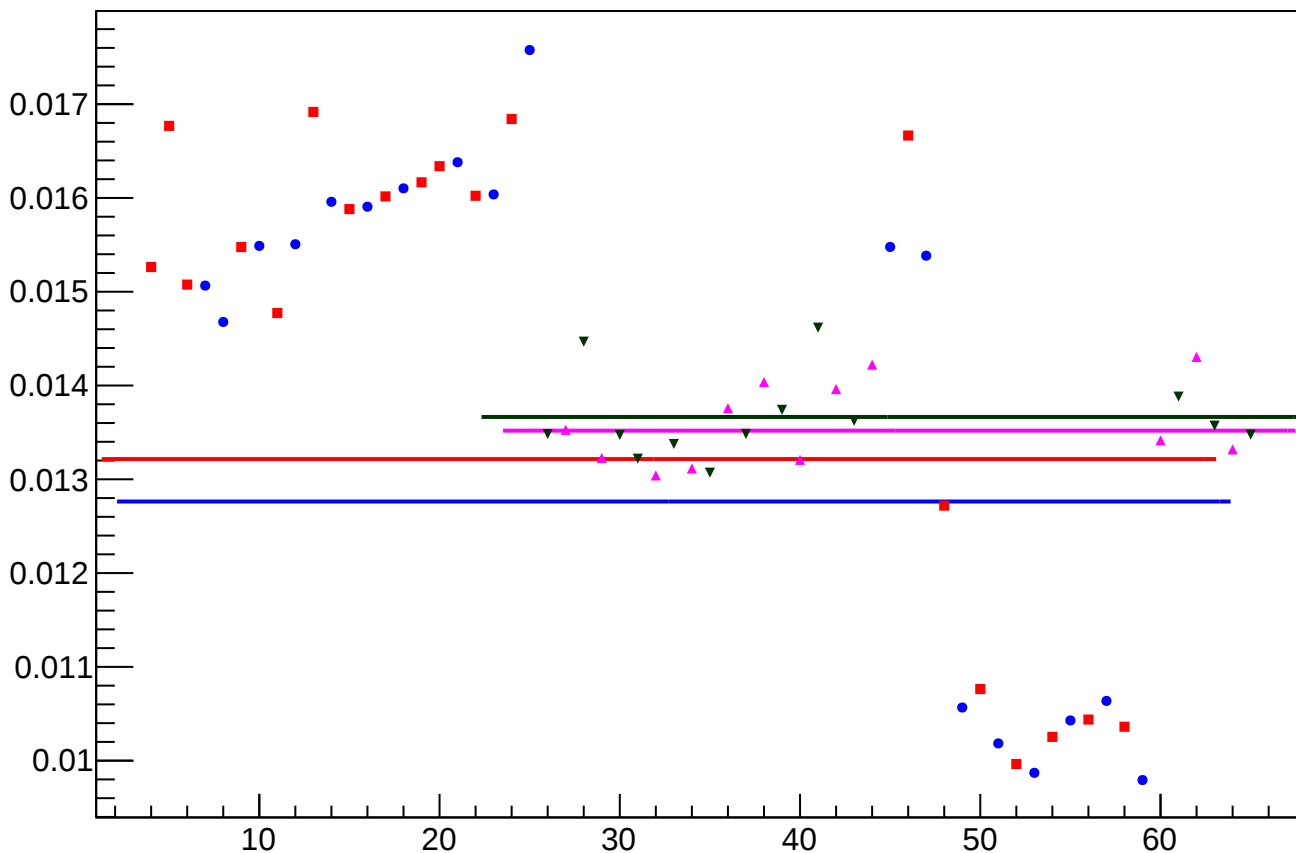
Right Out: 0.878 $\pm$ 0.000 χ^2 /NDF: 92356263.0/18

Left In: 0.900 $\pm$ 0.000 χ^2 /NDF:43169399.4/11

0.893 $\pm$ 0.000 χ^2 /NDF: 349025815.9/30

0.888 $\pm$ 0.000 χ^2 /NDF: 146187659.0/30

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 :13765.3/12

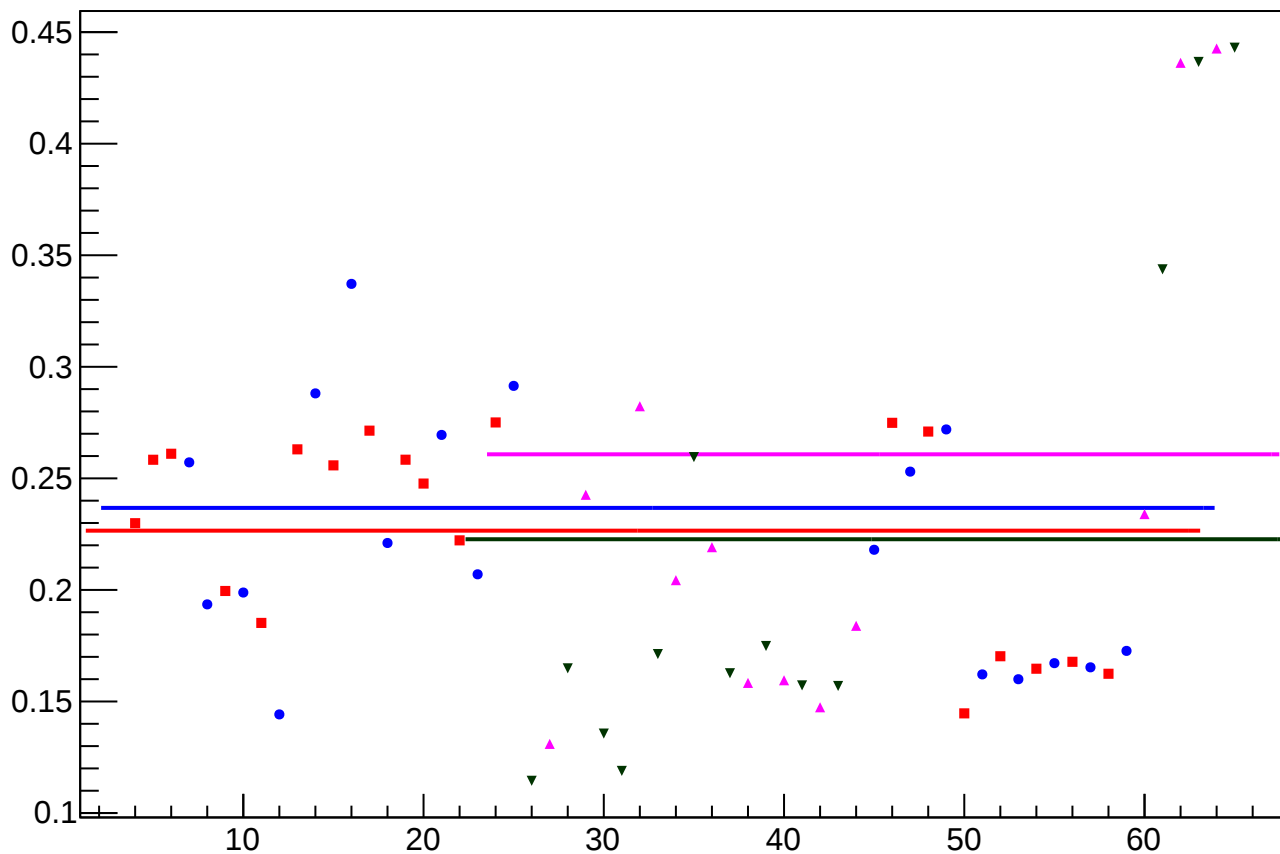
Right Out: 0.013+/-0.000 χ^2/NDF : 798846.8/18

Left In: 0.014+/-0.000 χ^2/NDF :13065.0/11

0.013+/-0.000 χ^2/NDF : 1031521.4/30

0.013+/-0.000 χ^2/NDF : 816012.1/30

yield_bpm0l09Y_mean vs slug



Right In: 0.237 ± 0.000 χ^2/NDF : 2411617824.9/17

Left Out: 0.223 ± 0.000 χ^2/NDF : 8245365977.9/12

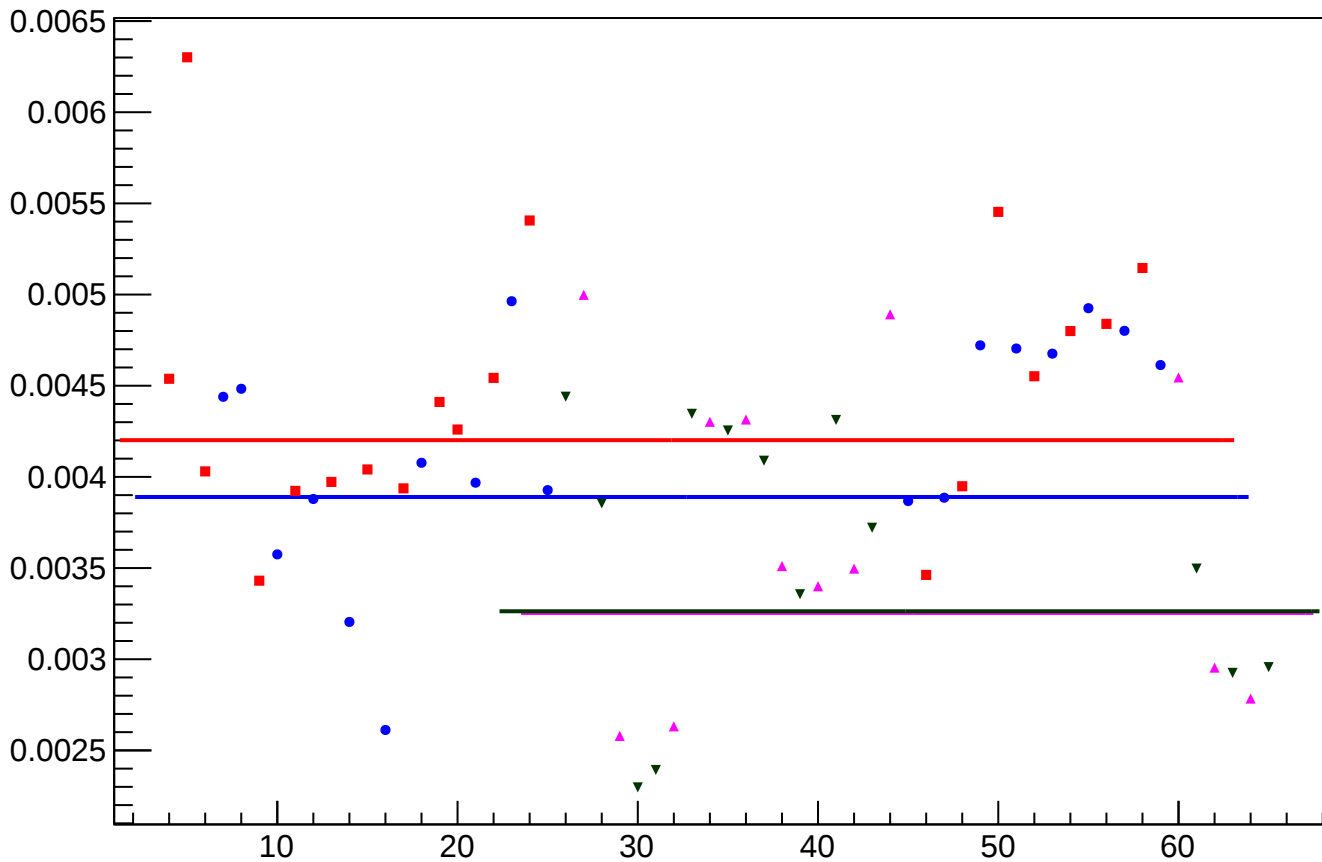
Right Out: 0.227 ± 0.000 χ^2/NDF : 943883207.4/18

Left In: 0.261 ± 0.000 χ^2/NDF : 6078679232.8/11

0.230 ± 0.000 χ^2/NDF : 10717784288.3/30

0.245 ± 0.000 χ^2/NDF : 7344655340.1/30

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 : 627883.7/12

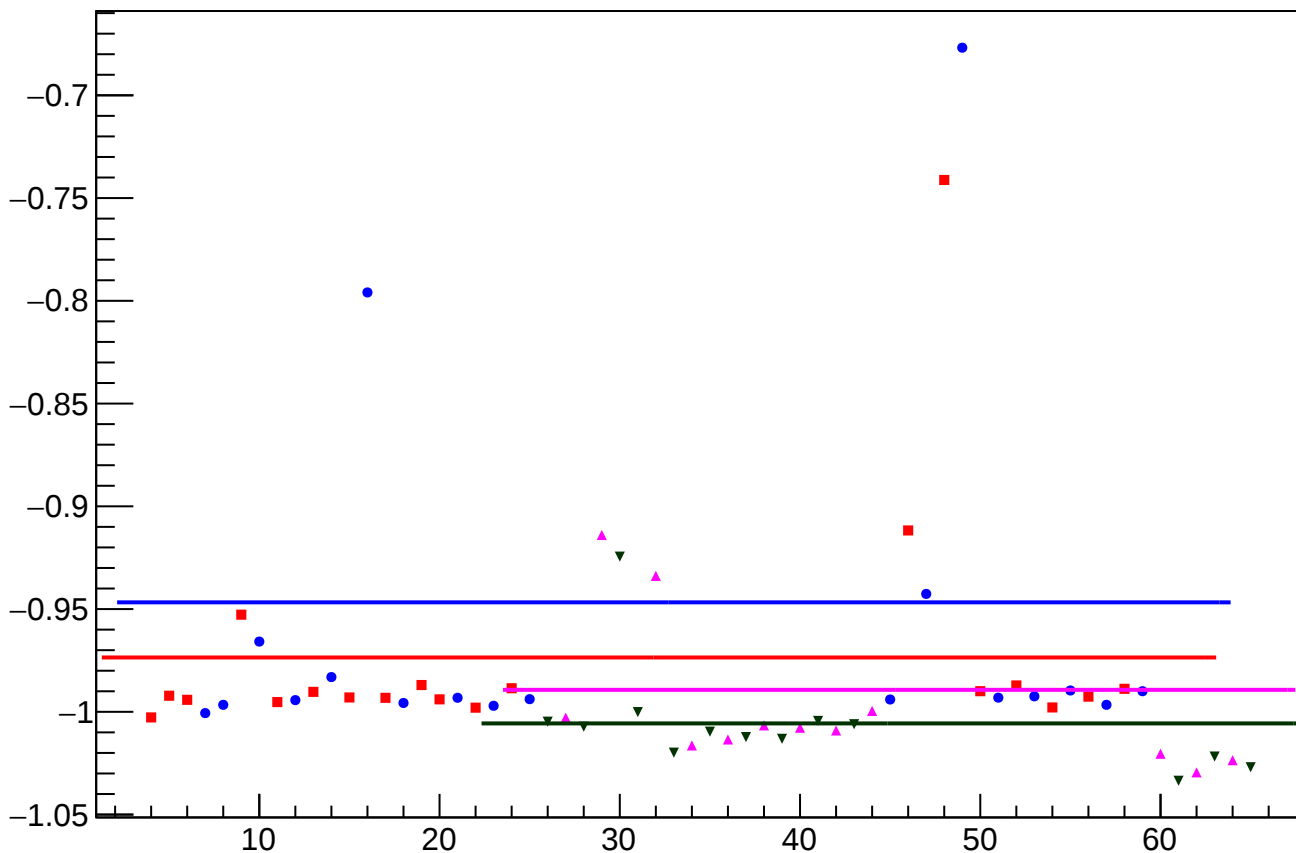
Right Out: 0.004+/-0.000 χ^2/NDF : 341340.8/18

Left In: 0.003+/-0.000 χ^2/NDF : 739439.2/11

0.004+/-0.000 χ^2/NDF : 1565532.3/30

0.004+/-0.000 χ^2/NDF : 1574702.9/30

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 : 25548330.1/12

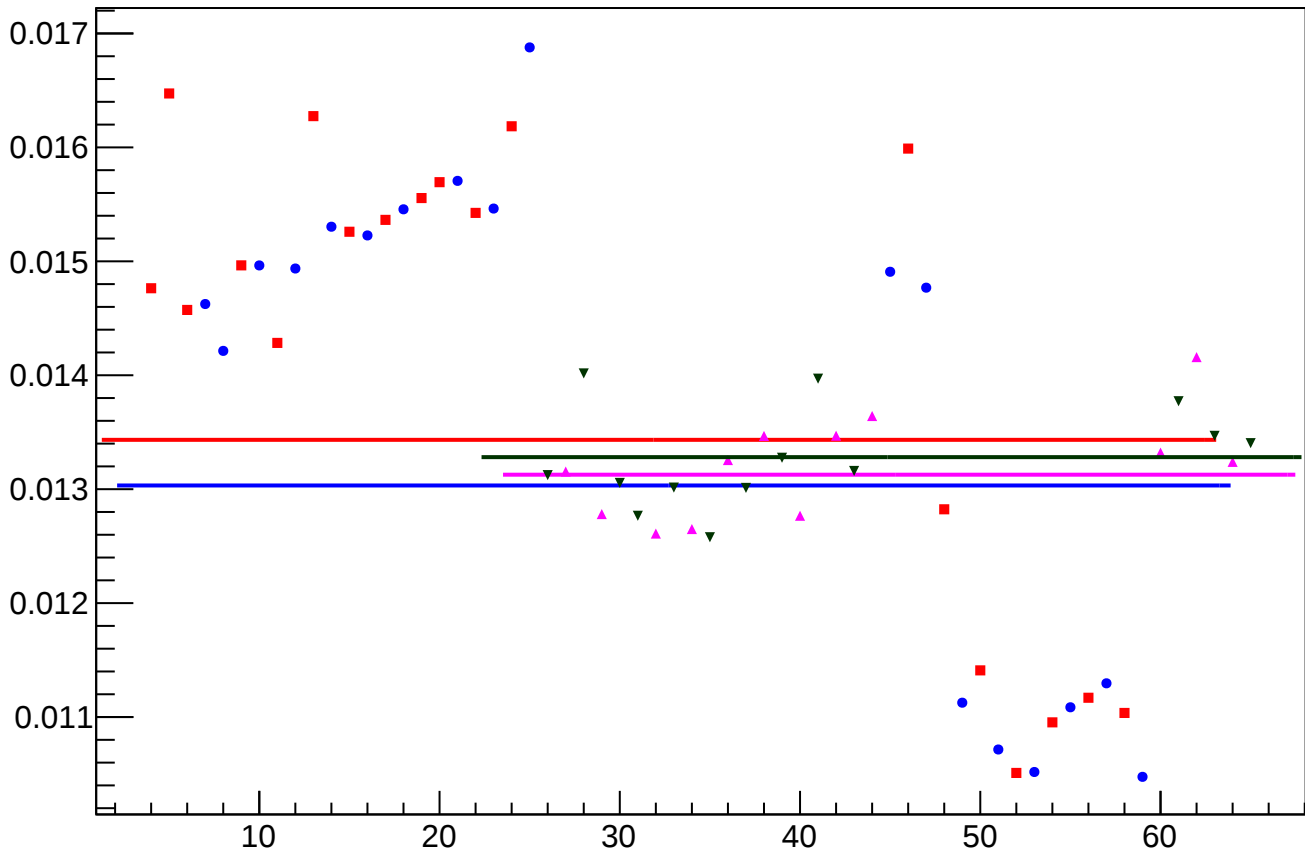
Right Out: -0.974+/-0.000 χ^2/NDF : 174691792.1/18

Left In: -0.989+/-0.000 χ^2/NDF : 64381494.3/11

-0.969+/-0.000 χ^2/NDF : 770118093.6/30

-0.981+/-0.000 χ^2/NDF : 244744852.5/30

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 :13849.8/12

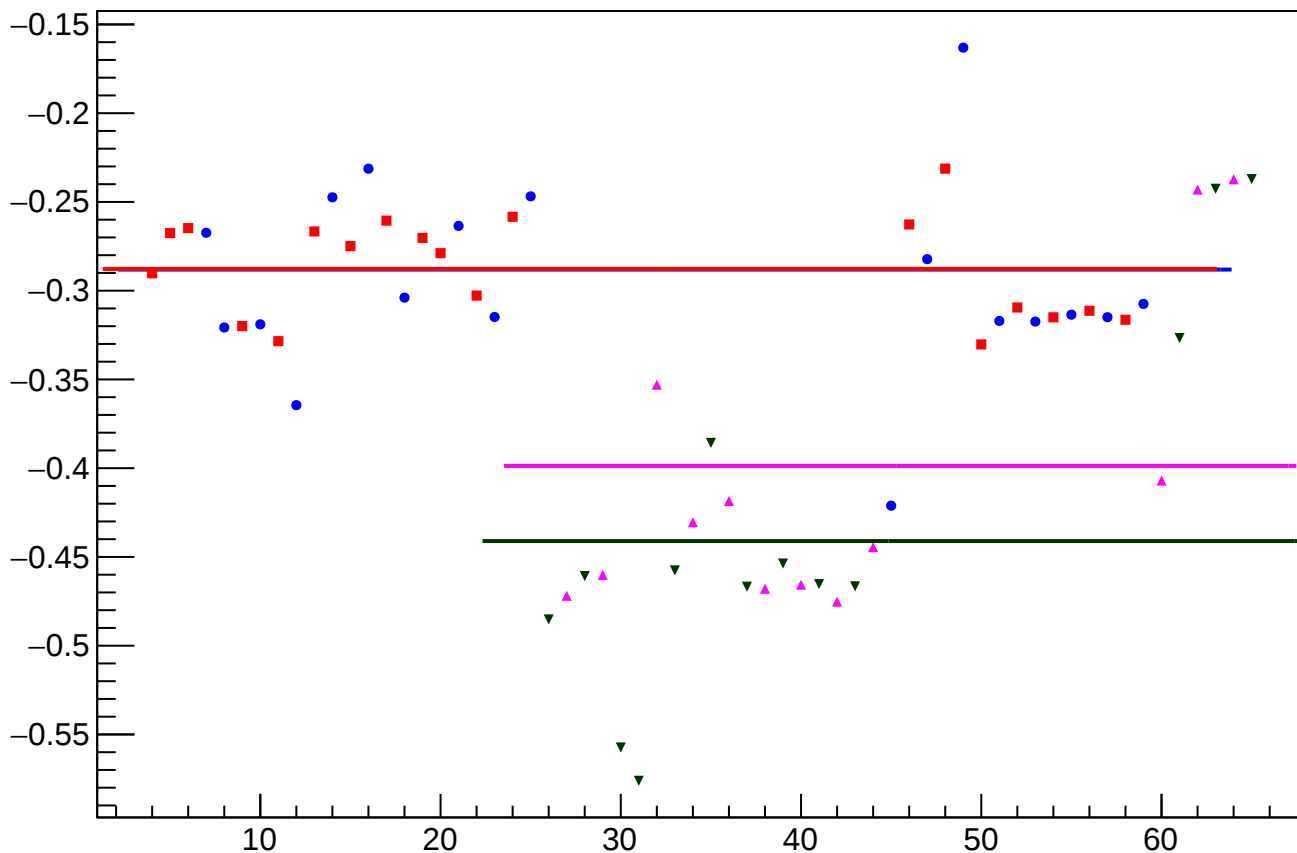
Right Out: 0.013+/-0.000 χ^2/NDF : 479245.1/18

Left In: 0.013+/-0.000 χ^2/NDF :14507.7/11

0.013+/-0.000 χ^2/NDF : 604616.6/30

0.013+/-0.000 χ^2/NDF : 498038.8/30

yield_bpm0l10Y_mean vs slug



Right In: -0.288+/-0.000 χ^2/NDF : 2601289511.6/17

Left Out: -0.441+/-0.000 χ^2/NDF : 7819536969.0/12

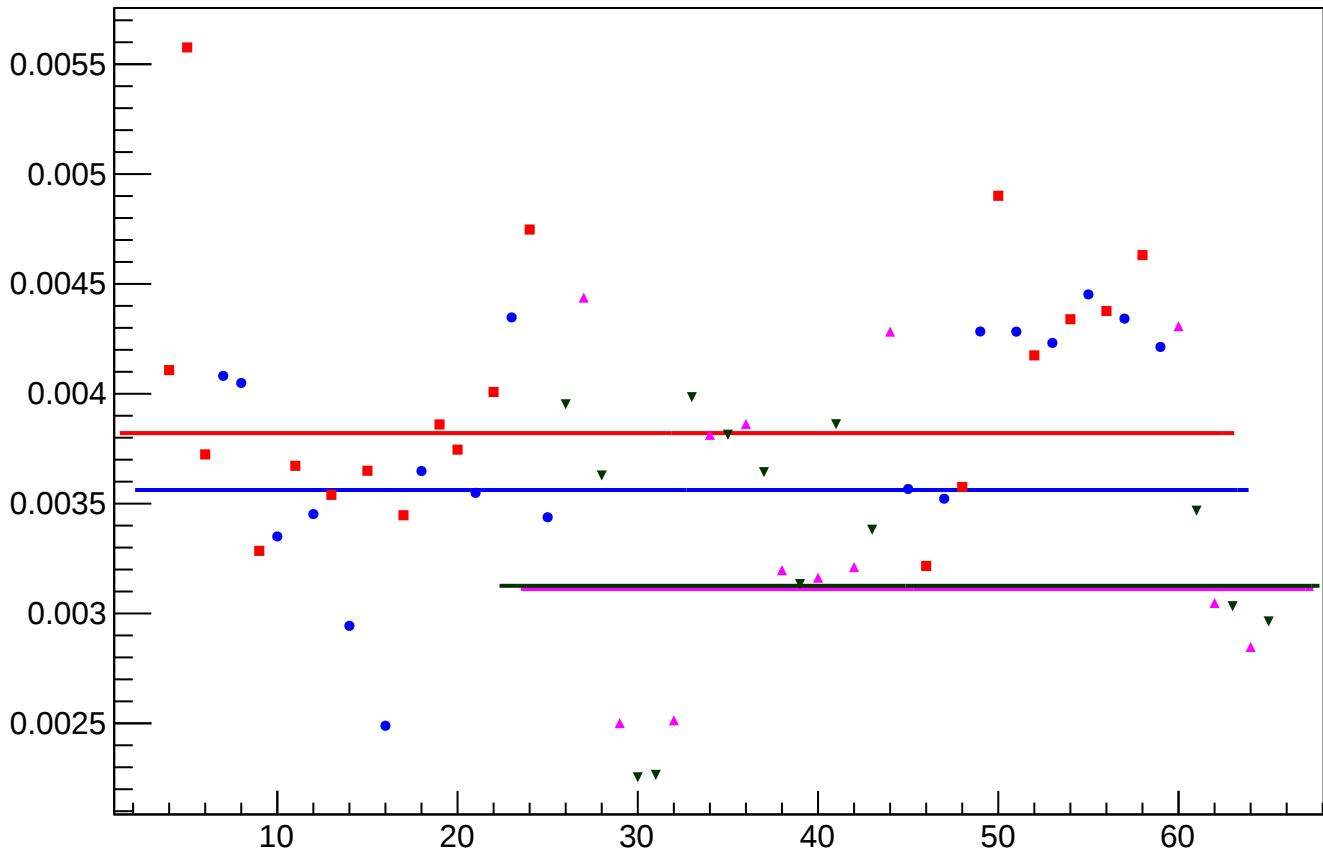
Right Out: -0.288+/-0.000 χ^2/NDF : 515794849.9/18

Left In: -0.399+/-0.000 χ^2/NDF : 4678699261.5/11

-0.354+/-0.000 χ^2/NDF : 18733303713.4/30

-0.345+/-0.000 χ^2/NDF : 9169972148.5/30

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 :475291.7/12

Right Out: 0.004+/-0.000 χ^2/NDF : 282191.6/18

Left In: 0.003+/-0.000 χ^2/NDF :555472.9/11

0.003+/-0.000 χ^2/NDF : 1199192.1/30

0.003+/-0.000 χ^2/NDF : 1163269.1/30