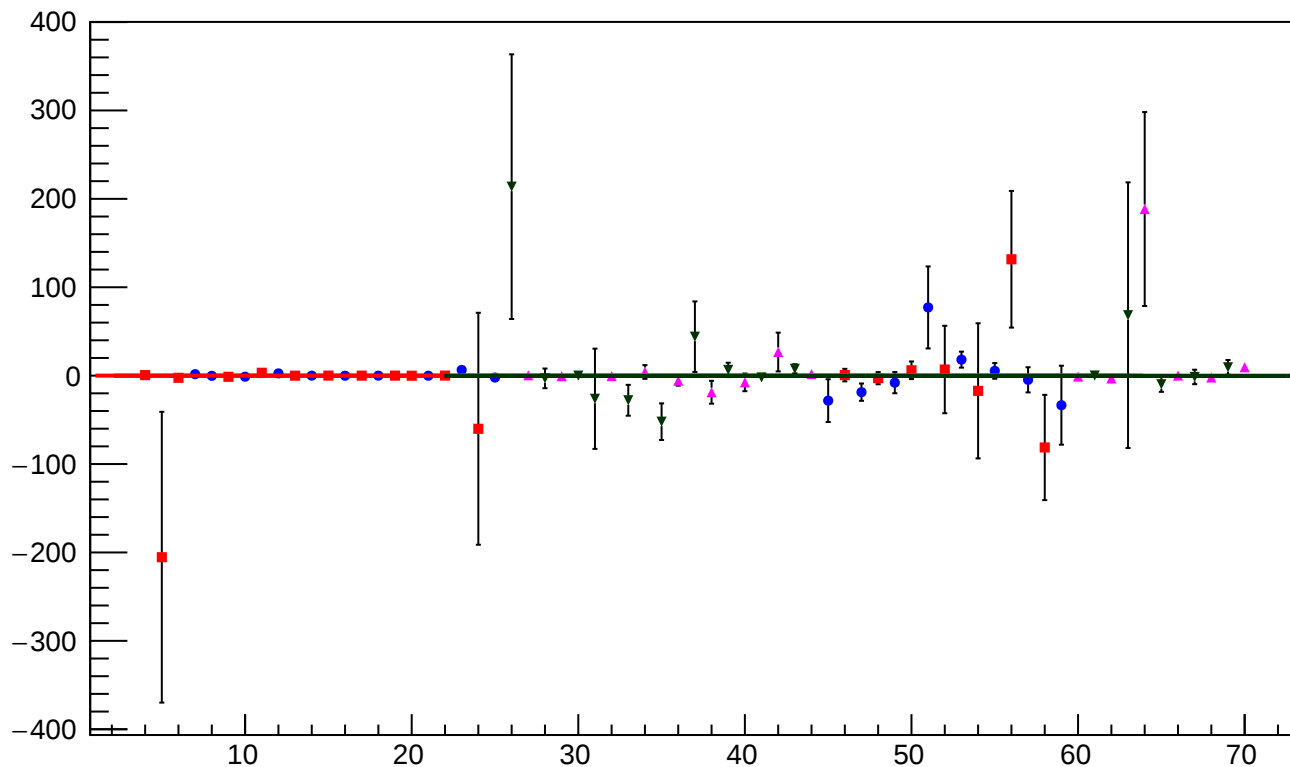


diff_cav4bX_mean vs slug



Right In: -0.014 $\pm$ 0.014

Left Out: -0.401 $\pm$ 1.213

Right Out: 0.017 $\pm$ 0.016

Left In: 0.070 $\pm$ 0.073

χ^2 /NDF: 31.2/17

χ^2 /NDF: 19.0/14

χ^2 /NDF: 24.7/18

χ^2 /NDF: 24.8/14

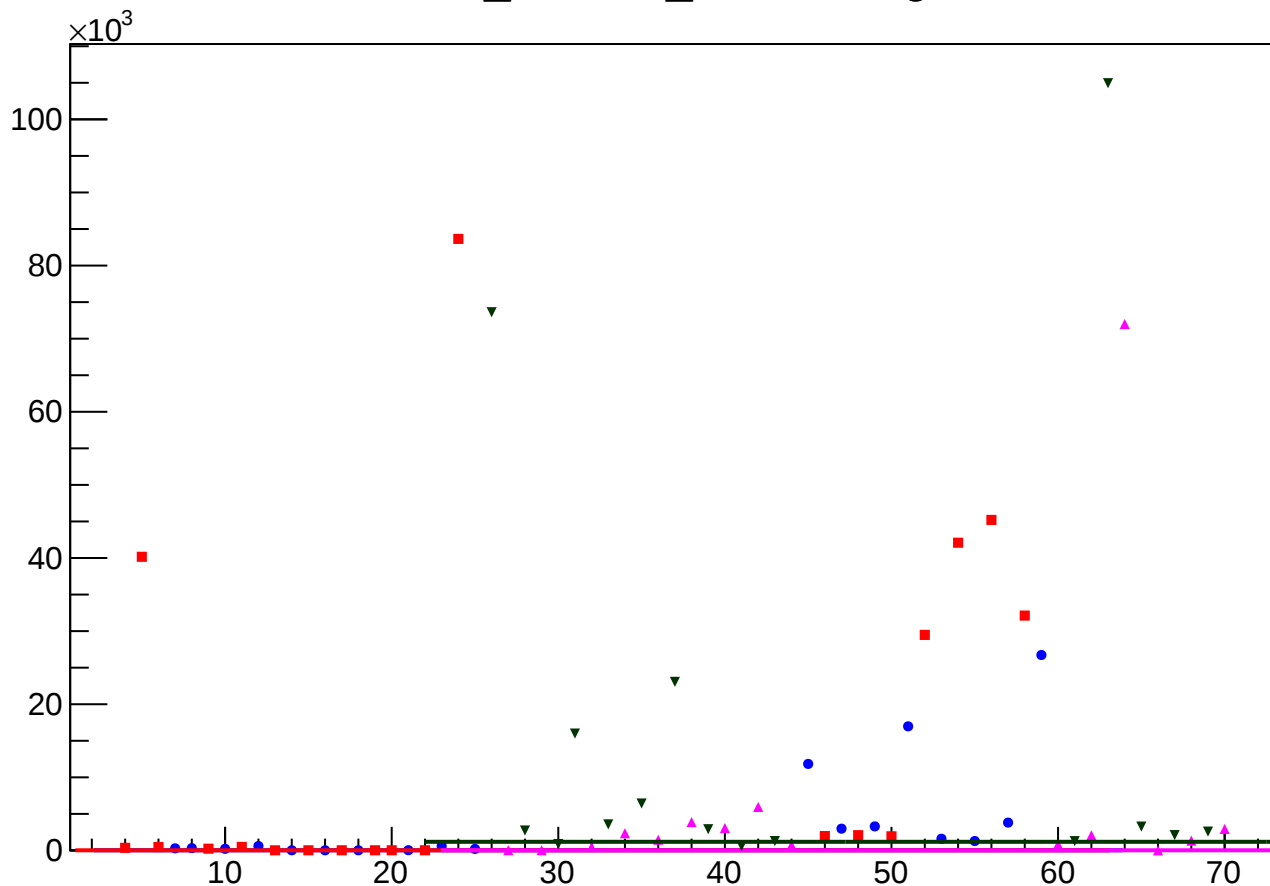
-0.014 $\pm$ 0.014

0.019 $\pm$ 0.016

χ^2 /NDF: 50.3/32

χ^2 /NDF: 50.0/33

diff_cav4bX_rms vs slug



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

Left Out: 1182.453 $\pm$ 0.858 χ^2/NDF : 2838050.1/14

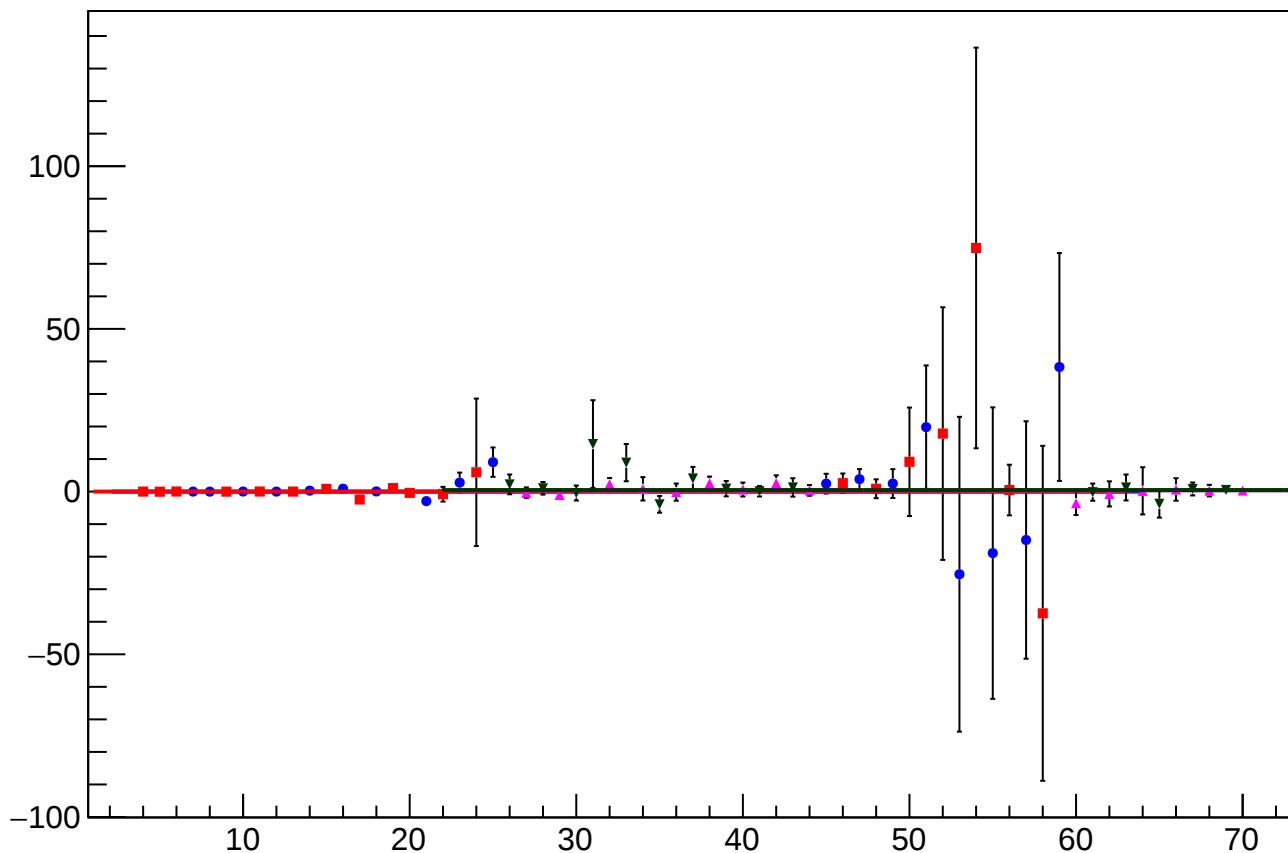
Right Out: 22.611 $\pm$ 0.011 χ^2/NDF : 4395534.2/18

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

22.591 $\pm$ 0.010 χ^2/NDF : 7469900.6/32

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

diff_cav4bY_mean vs slug



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

Left Out: 0.464 ± 0.629 χ^2/NDF : 9.0/14

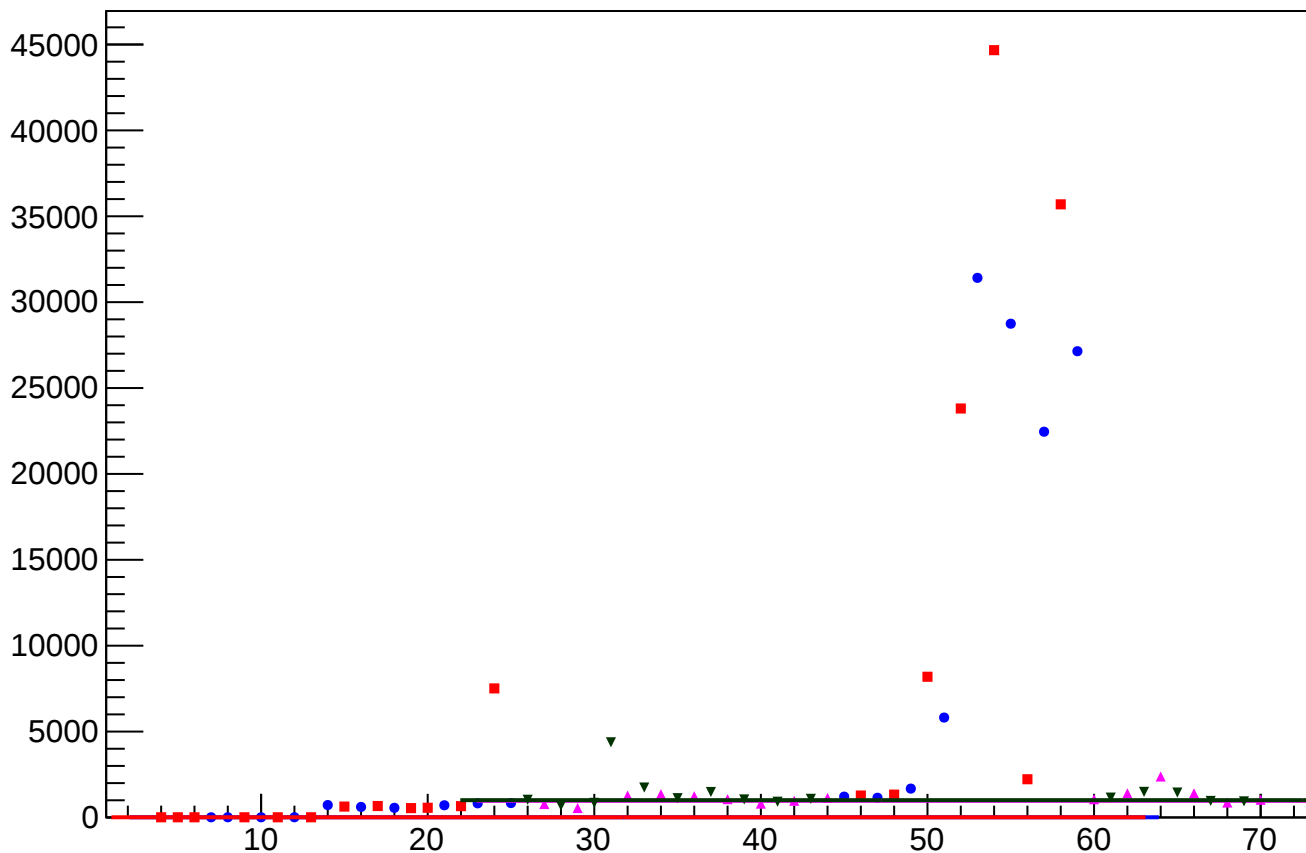
Right Out: 0.002 ± 0.005 χ^2/NDF : 20.3/18

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

-0.001 ± 0.006 χ^2/NDF : 33.2/32

0.002 ± 0.005 χ^2/NDF : 26.4/33

diff_cav4bY_rms vs slug



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

Left Out: 1005.400+/-0.445 χ^2/NDF : 334288.9/14

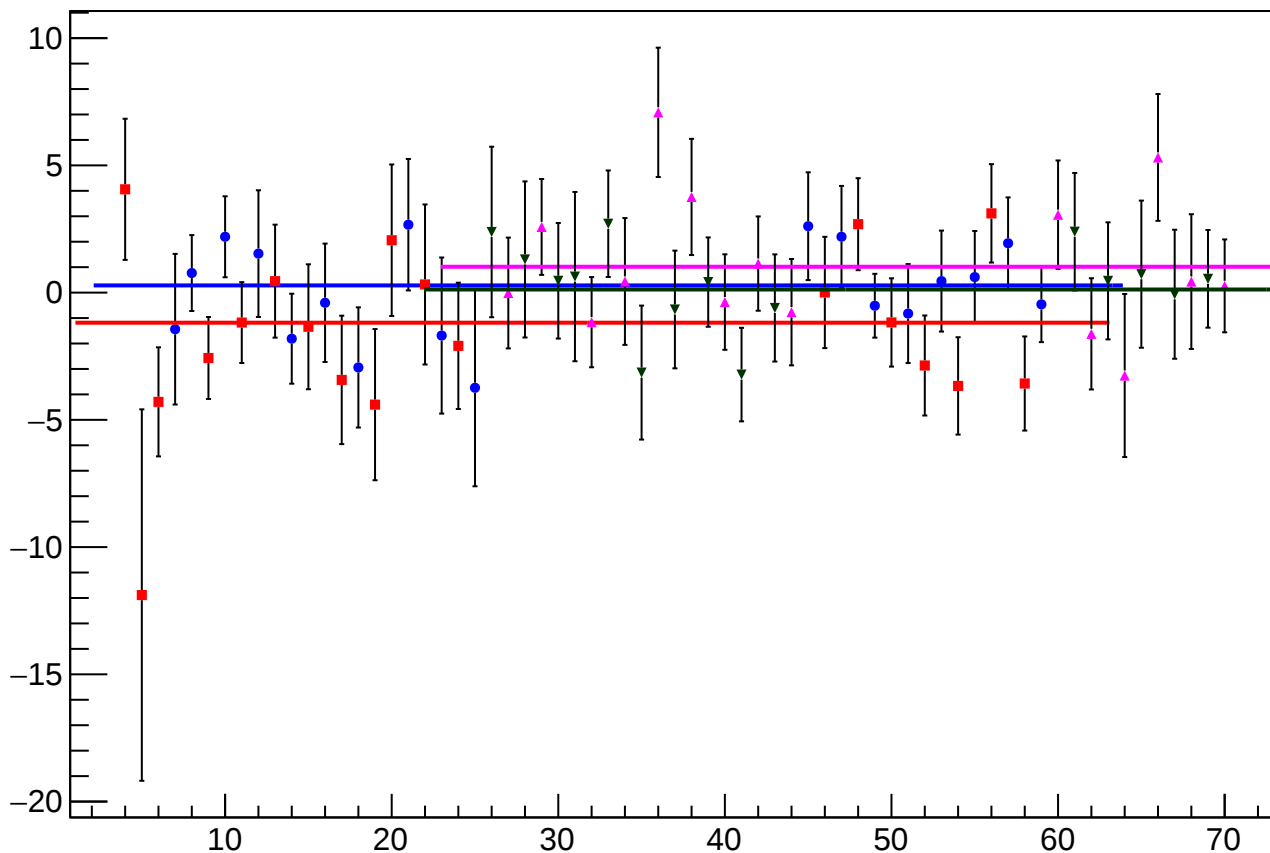
Right Out: 10.086+/-0.004 χ^2/NDF : 6750125.6/18

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

10.613+/-0.005 χ^2/NDF : 14289933.9/32

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

diff_cav4cX_mean vs slug



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

Left Out: 0.122 ± 0.597 χ^2/NDF : 8.4/14

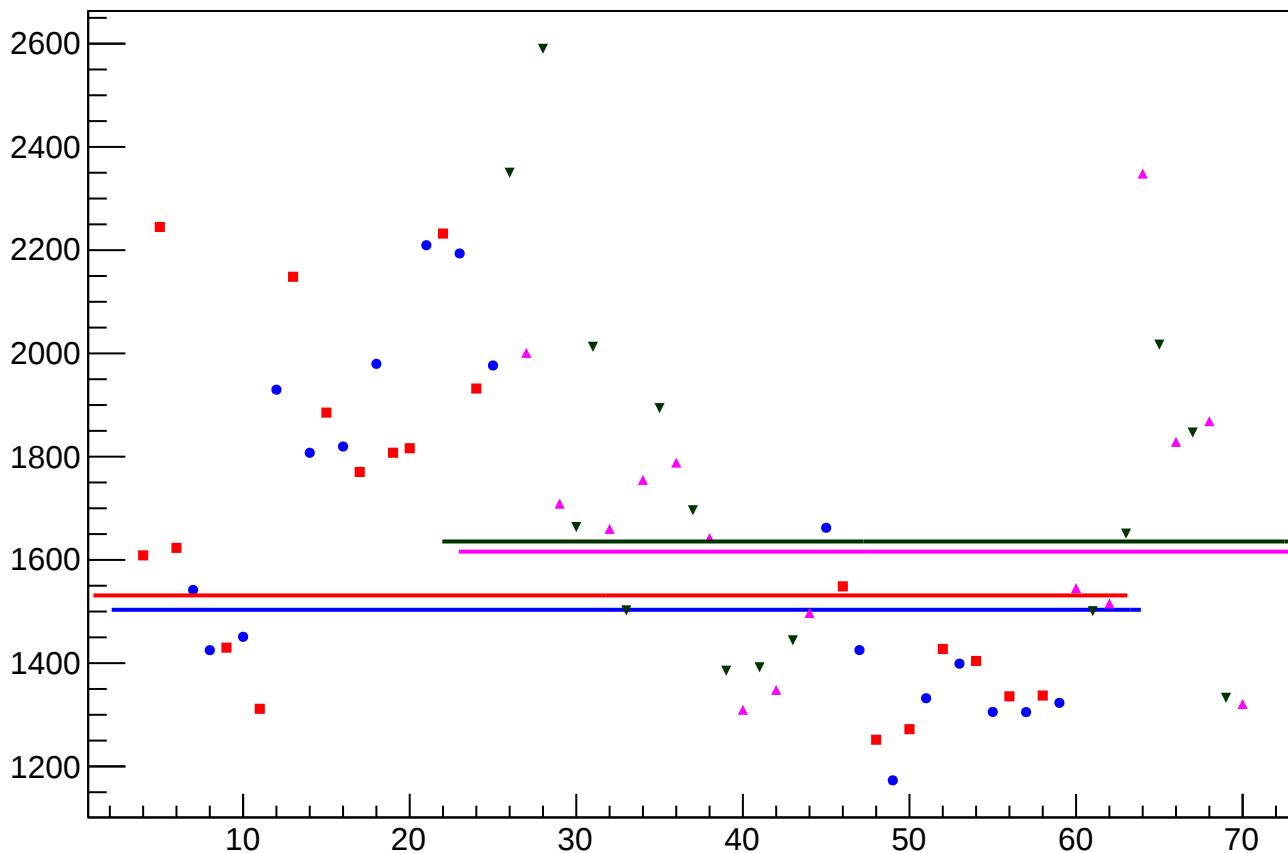
Right Out: -1.182 ± 0.494 χ^2/NDF : 26.5/18

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

0.224 ± 0.362 χ^2/NDF : 20.2/32

-0.210 ± 0.369 χ^2/NDF : 53.6/33

diff_cav4cX_rms vs slug



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

Left Out: 1635.673+/-0.422 χ^2/NDF : 537034.7/14

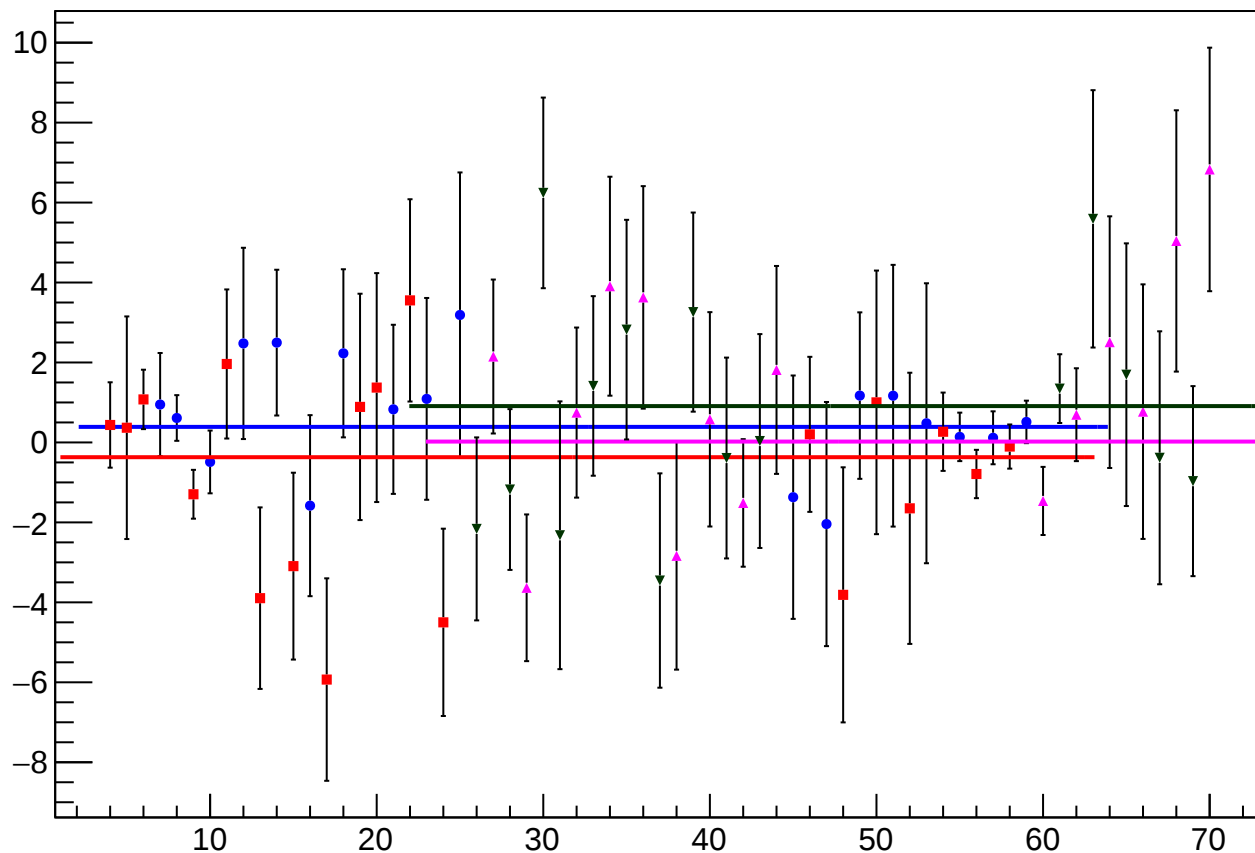
Right Out: 1531.211+/-0.349 χ^2/NDF : 621310.9/18

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

1552.087+/-0.256 χ^2/NDF : 1375908.0/32

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

diff_cav4cY_mean vs slug



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

Left Out: 0.909 ± 0.538 χ^2/NDF : 16.5/14

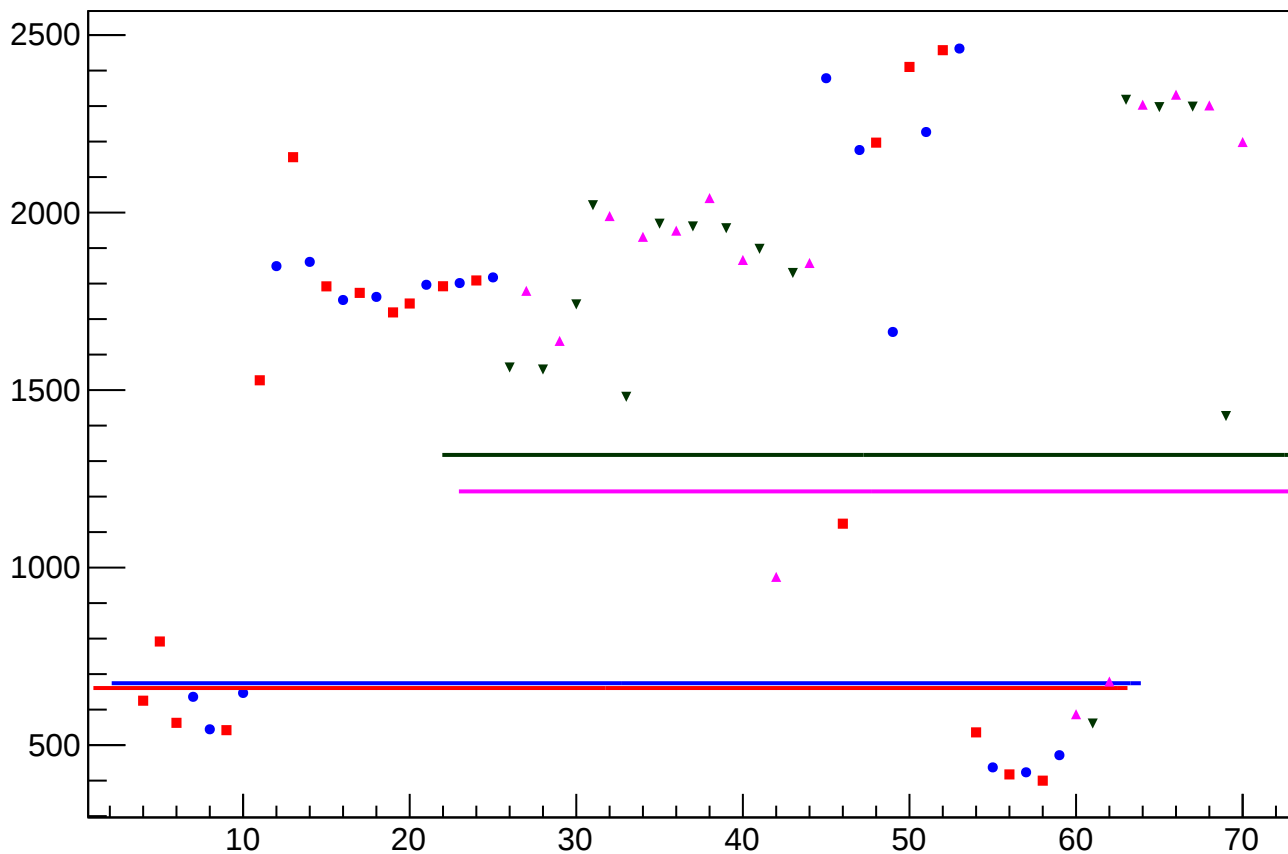
Right Out: -0.369 ± 0.263 χ^2/NDF : 25.7/18

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

0.482 ± 0.228 χ^2/NDF : 24.8/32

-0.279 ± 0.230 χ^2/NDF : 49.0/33

diff_cav4cY_rms vs slug



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

Left Out: 1317.380+/-0.381 χ^2/NDF :2869613.6/14

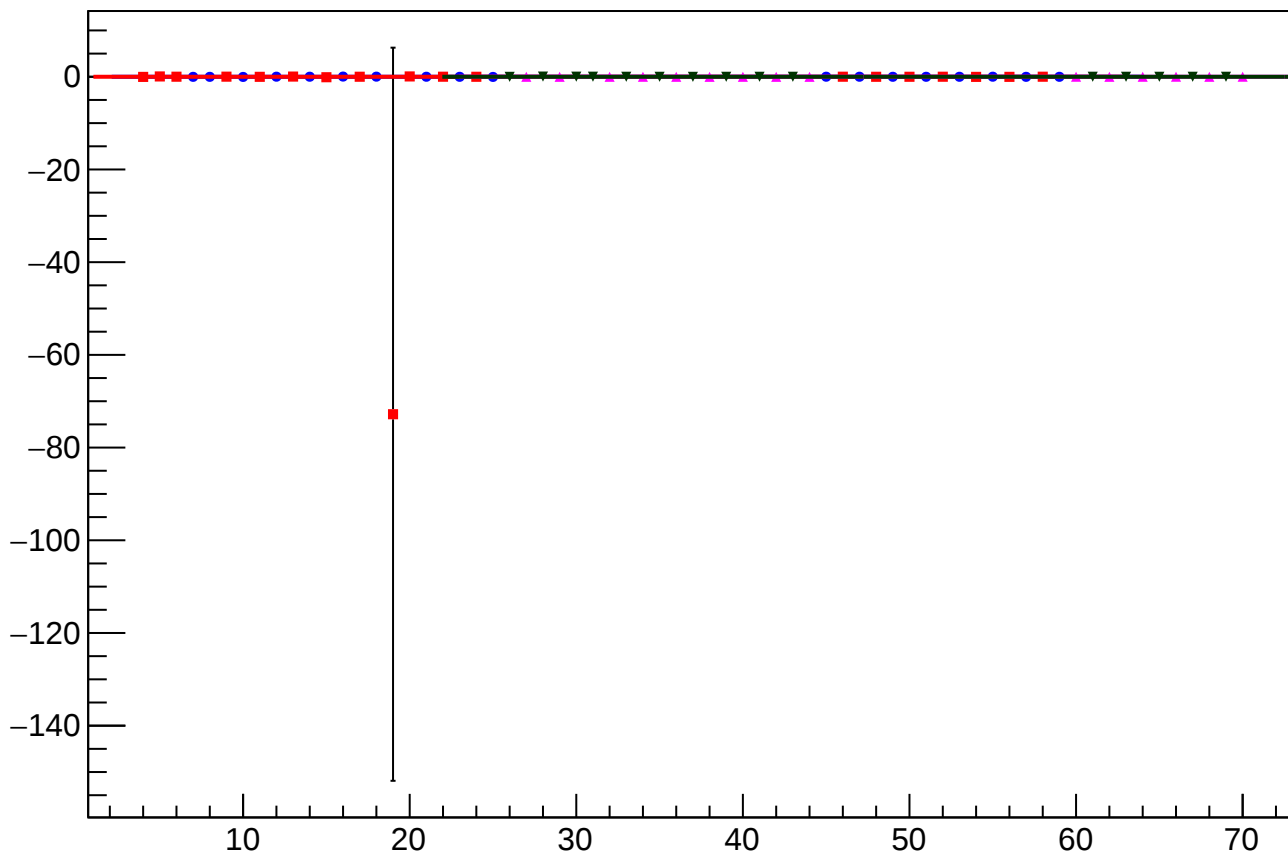
Right Out: 660.761+/-0.186 χ^2/NDF : 6222915.7/18

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

789.550+/-0.161 χ^2/NDF : 12225887.6/32

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

diff_cav4dX_mean vs slug



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

Left Out: 0.001 $\pm$ 0.003 χ^2 /NDF: 8.9/14

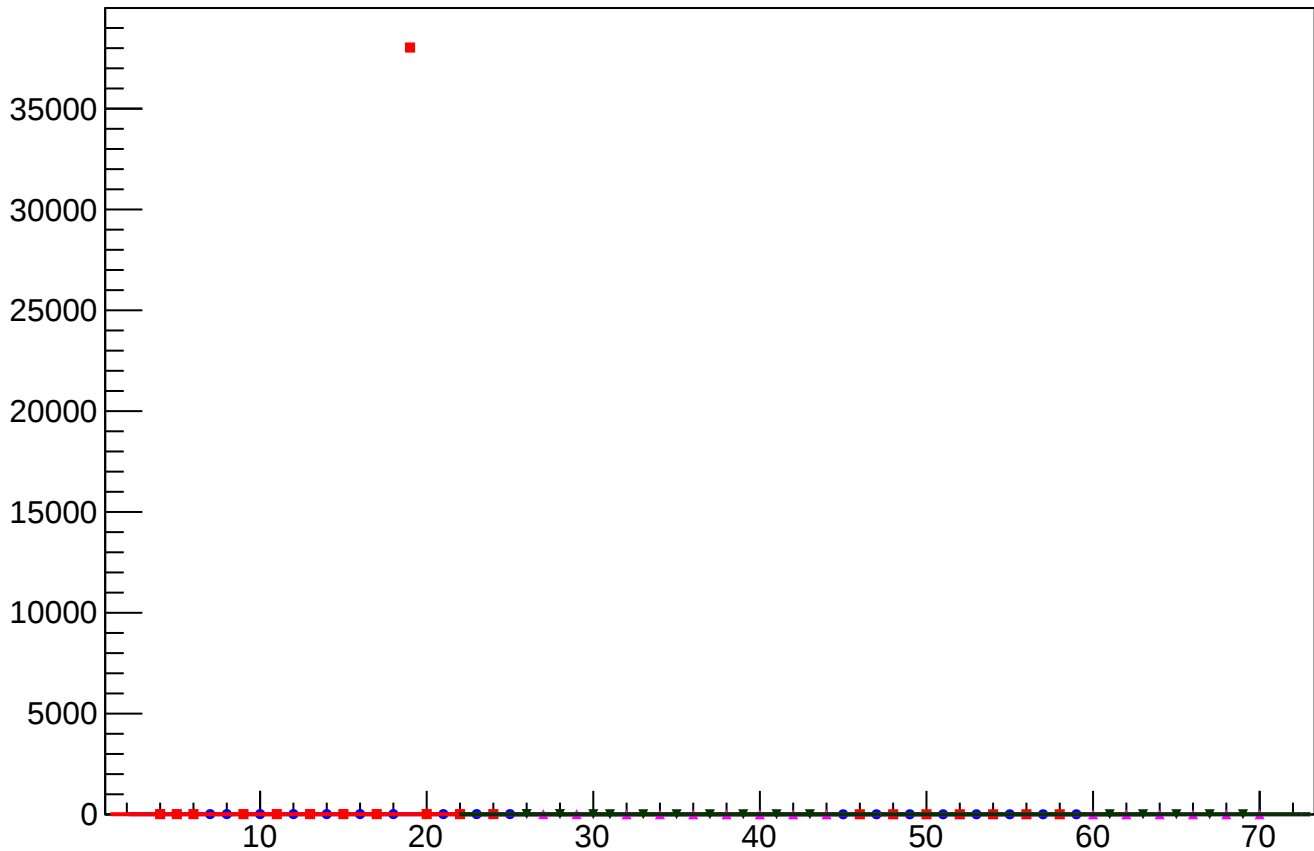
Right Out: 0.002 $\pm$ 0.004 χ^2 /NDF: 20.0/18

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

0.001 $\pm$ 0.002 χ^2 /NDF: 20.9/32

0.002 $\pm$ 0.003 χ^2 /NDF: 27.2/33

diff_cav4dX_rms vs slug



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

Left Out: 9.099+/-0.002 χ^2 /NDF: 610368.7/14

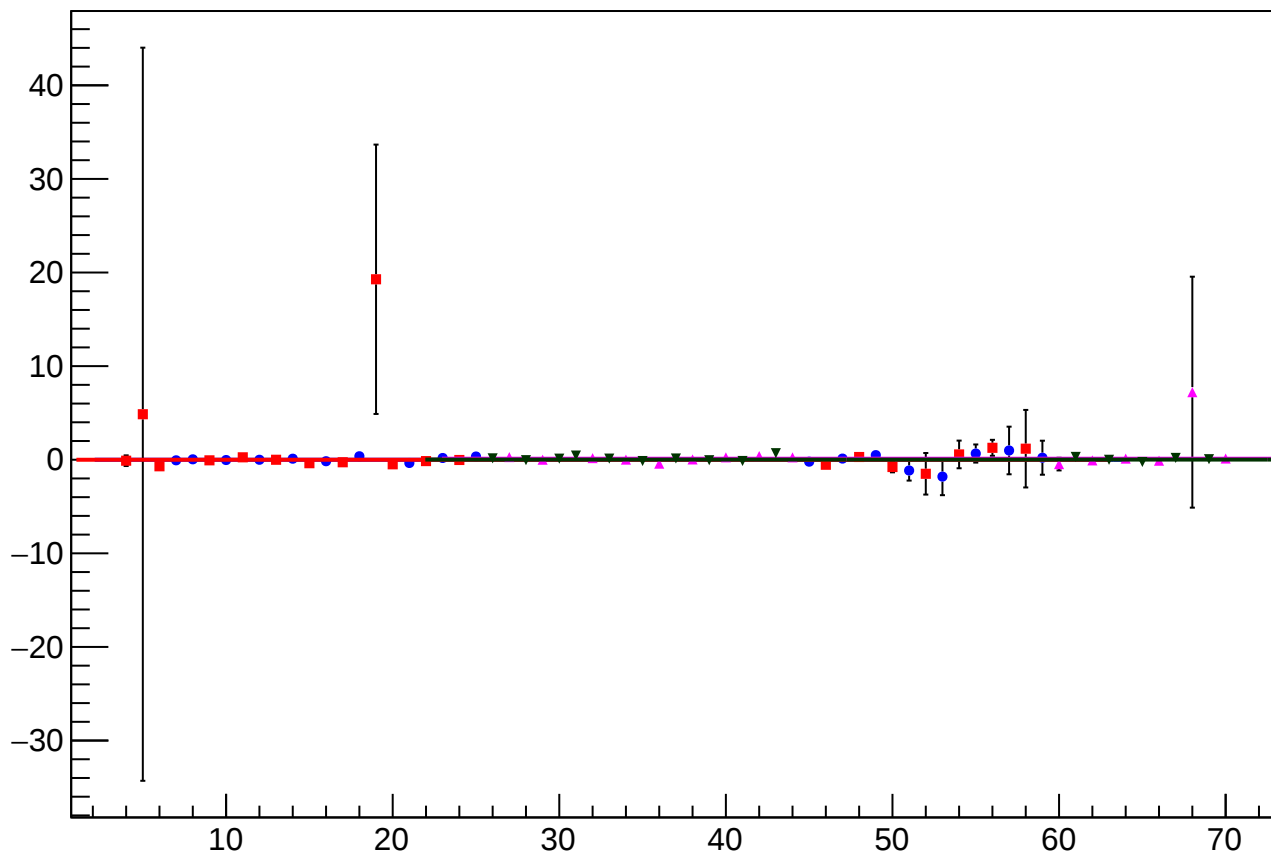
9.792+/-0.002 χ^2 /NDF: 2745852.6/32

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

9.838+/-0.002 χ^2 /NDF: 3332958.1/33

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

diff_cav4dY_mean vs slug



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

Left Out: 0.017 ± 0.047 χ^2/NDF : 19.2/14

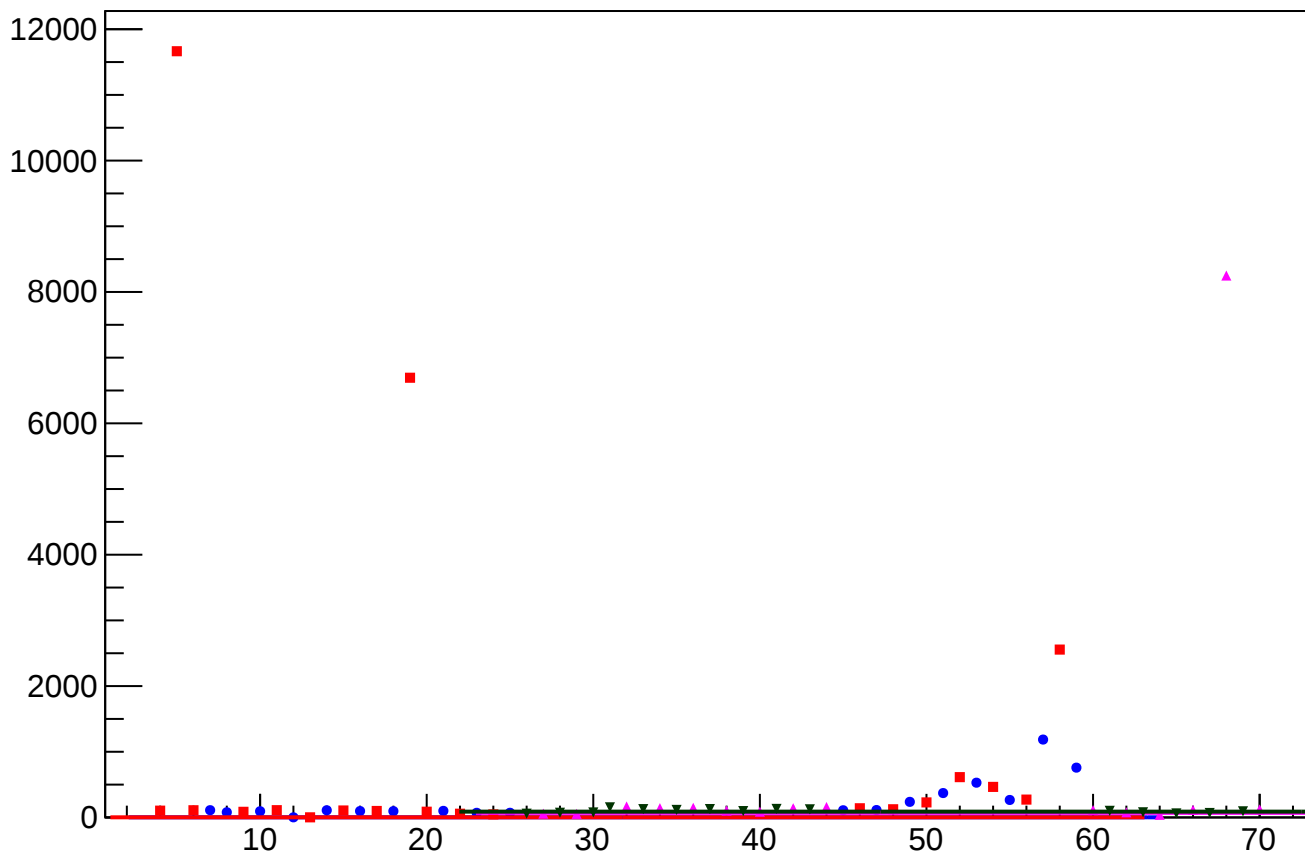
Right Out: -0.003 ± 0.003 χ^2/NDF : 21.1/18

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

-0.003 ± 0.003 χ^2/NDF : 40.2/32

-0.002 ± 0.003 χ^2/NDF : 42.3/33

diff_cav4dY_rms vs slug



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

Left Out: 88.534+/-0.033 χ^2/NDF : 601054.6/14

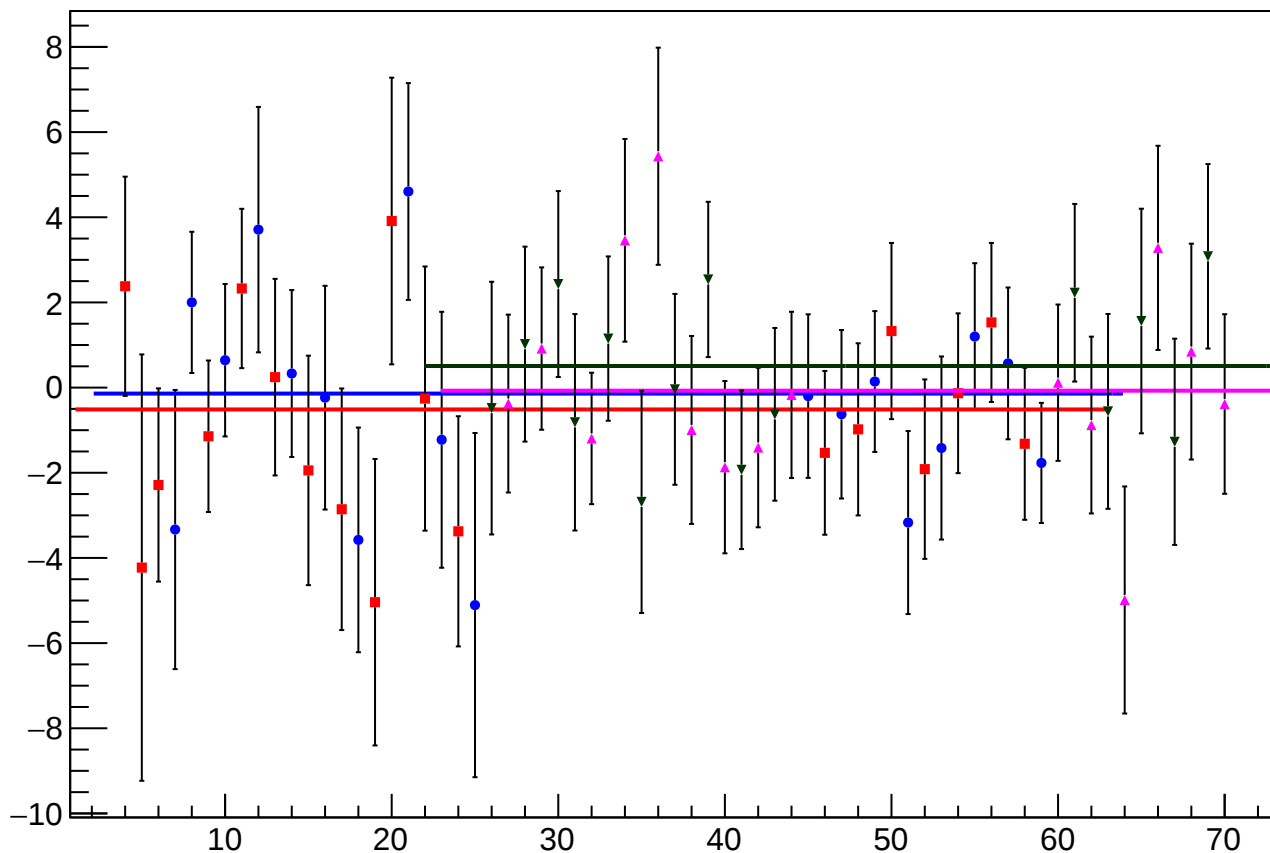
Right Out: 2.101+/-0.002 χ^2/NDF : 6716516.3/18

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

2.580+/-0.002 χ^2/NDF : 16431799.7/32

2.526+/-0.002 χ^2/NDF : 15847227.8/33

diff_bpm4aX_mean vs slug



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

Left Out: 0.507 ± 0.571 $\chi^2/\text{NDF}: 9.2/14$

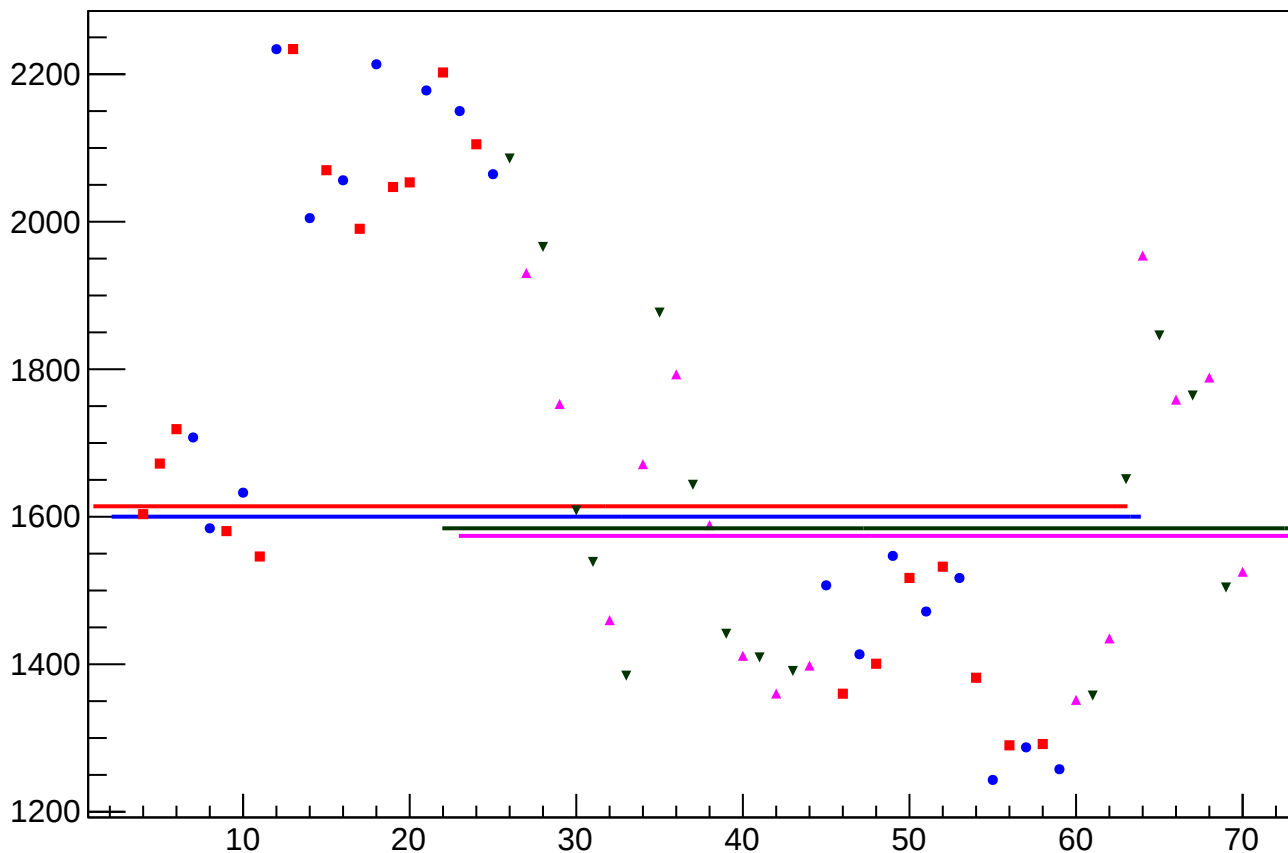
Right Out: -0.513 ± 0.519 $\chi^2/\text{NDF}: 13.6/18$

Left In: -0.072 ± 0.536 $\chi^2/\text{NDF}: 14.8/14$

0.131 ± 0.370 $\chi^2/\text{NDF}: 25.9/32$

-0.300 ± 0.373 $\chi^2/\text{NDF}: 28.8/33$

diff_bpm4aX_rms vs slug



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

Left Out: 1584.351+/-0.404 χ^2/NDF : 268483.1/14

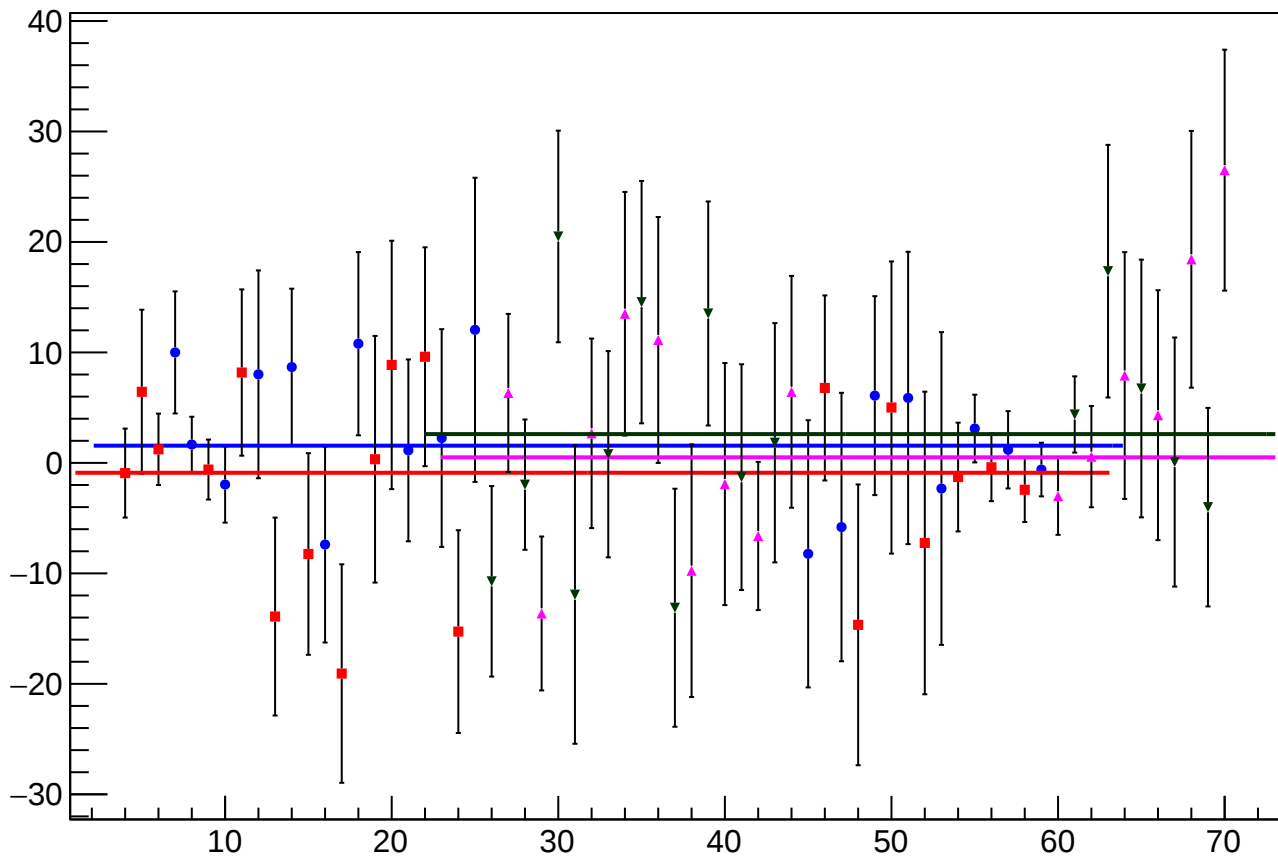
Right Out: 1614.182+/-0.367 χ^2/NDF : 670373.5/18

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

1593.502+/-0.262 χ^2/NDF : 1119121.6/32

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

diff_bpm4aY_mean vs slug



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

Left Out: 2.607 ± 2.067 χ^2/NDF : 14.9/14

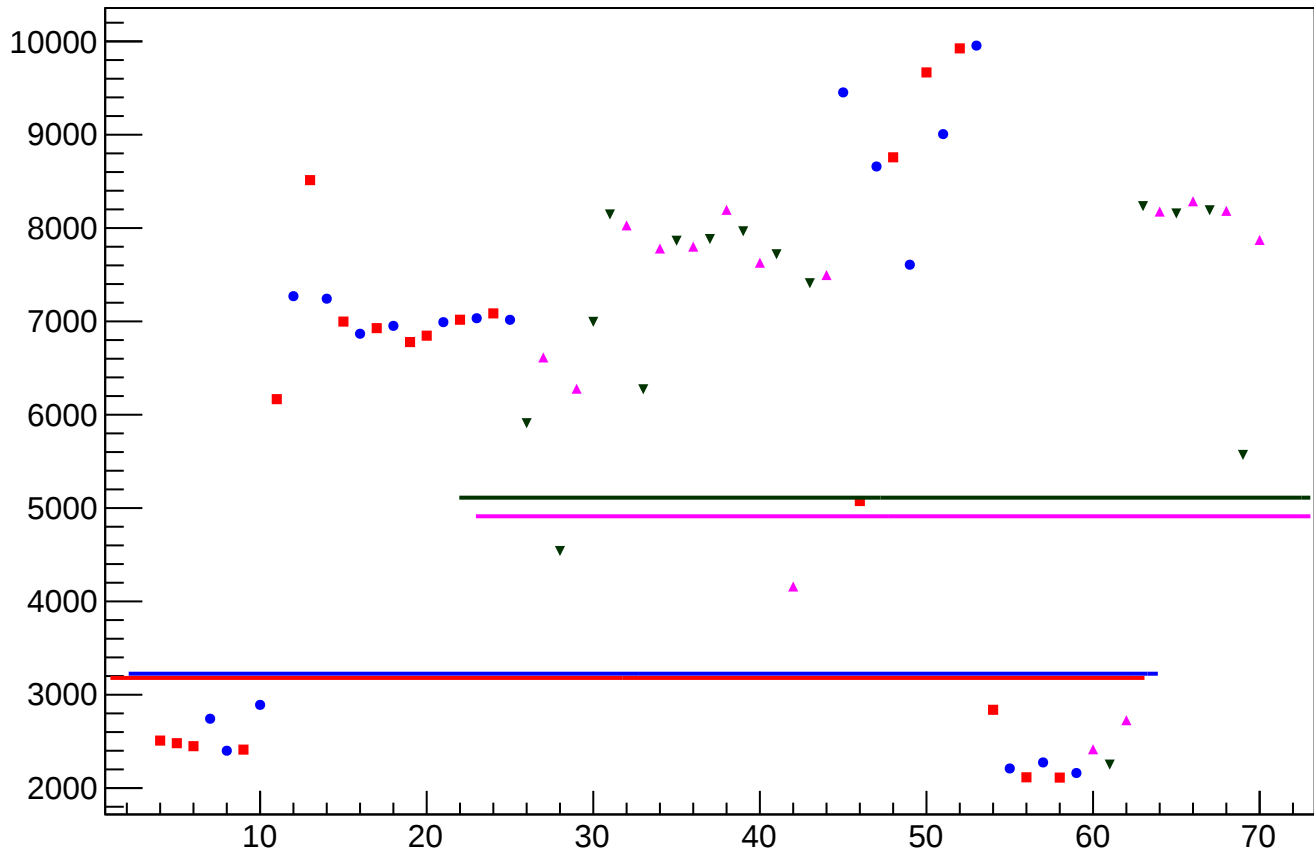
Right Out: -0.892 ± 1.197 χ^2/NDF : 16.1/18

Left In: 0.504 ± 1.897 χ^2/NDF : 19.1/14

1.807 ± 1.004 χ^2/NDF : 25.4/32

-0.495 ± 1.012 χ^2/NDF : 35.5/33

diff_bpm4aY_rms vs slug



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

Left Out: 5111.446+/-1.462 χ^2/NDF : 2695010.5/14

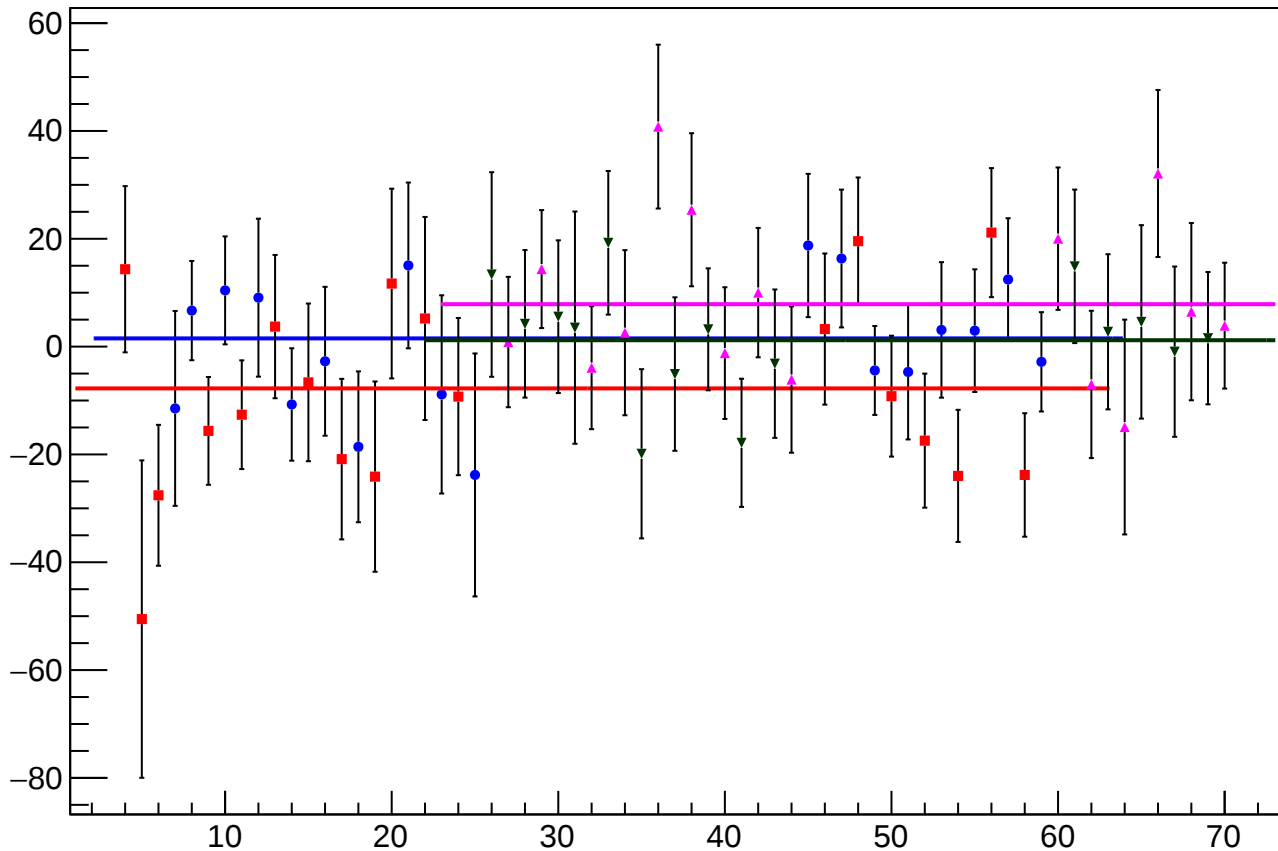
Right Out: 3180.260+/-0.846 χ^2/NDF : 5053490.5/18

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

3670.122+/-0.710 χ^2/NDF : 9828094.8/32

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

diff_bpm4eX_mean vs slug



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

Left Out: 1.184 ± 3.687 χ^2/NDF : 8.1/14

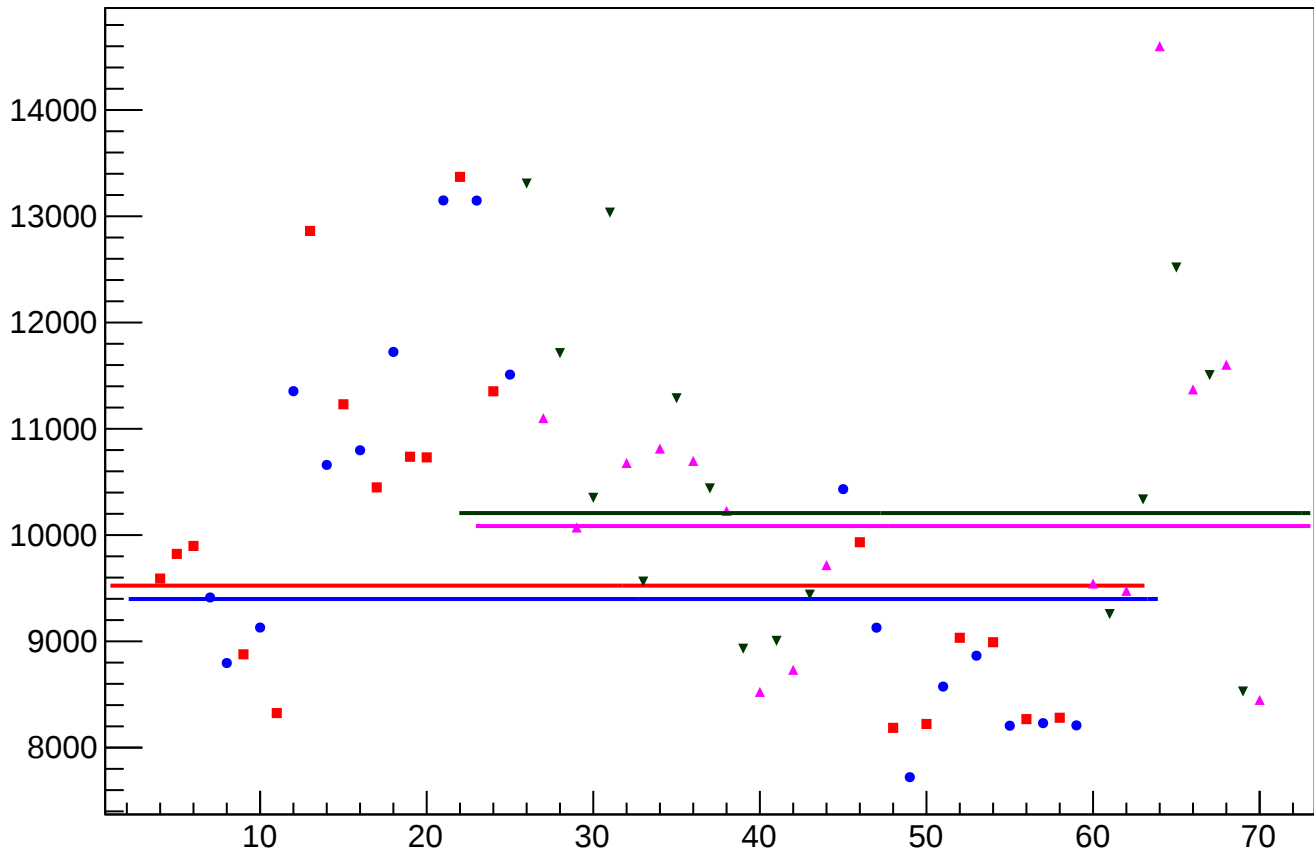
Right Out: -7.752 ± 3.046 χ^2/NDF : 27.5/18

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

1.396 ± 2.246 χ^2/NDF : 20.9/32

-0.895 ± 2.281 χ^2/NDF : 54.8/33

diff_bpm4eX_rms vs slug



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

Left Out: 10207.068+/-2.607 χ^2/NDF : 272315.8/14

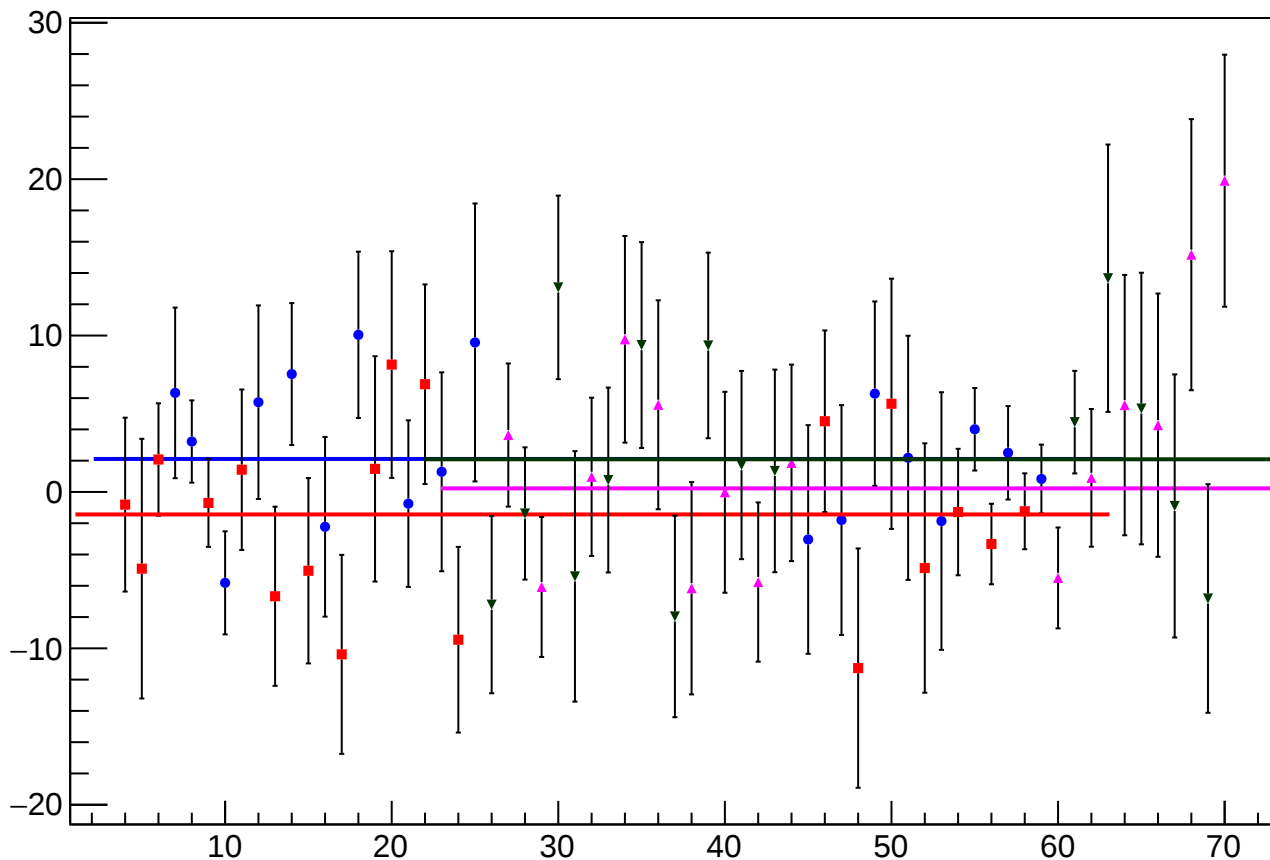
Right Out: 9524.317+/-2.154 χ^2/NDF : 440161.2/18

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

9698.512+/-1.588 χ^2/NDF : 887702.1/32

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

diff_bpm4eY_mean vs slug



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

Left Out: 2.089 ± 1.507 χ^2/NDF : 17.1/14

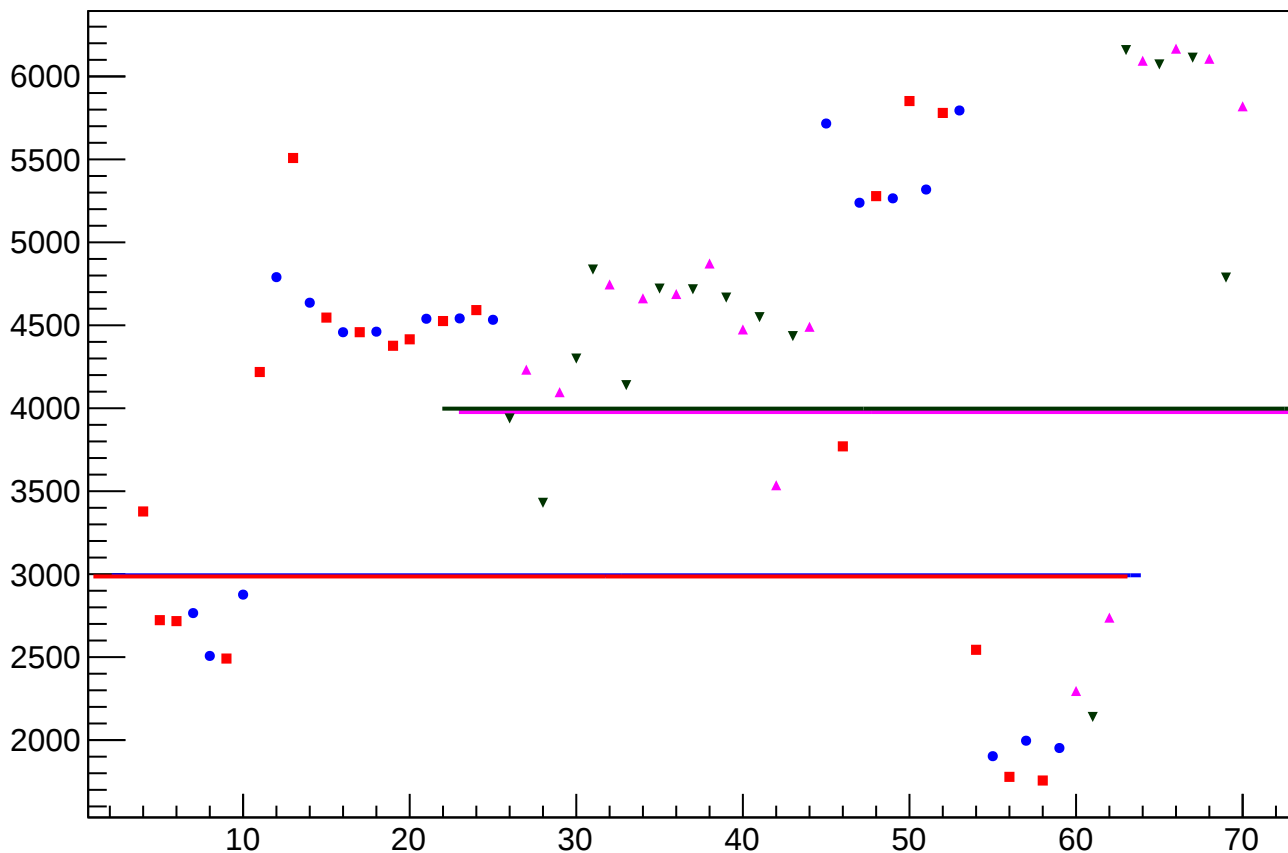
Right Out: -1.438 ± 1.040 χ^2/NDF : 14.4/18

Left In: 0.229 ± 1.419 χ^2/NDF : 20.4/14

2.104 ± 0.821 χ^2/NDF : 31.6/32

-0.855 ± 0.839 χ^2/NDF : 35.6/33

diff_bpm4eY_rms vs slug



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

Left Out: 3997.684 $\pm$ 1.066 χ^2 /NDF:1199125.1/14

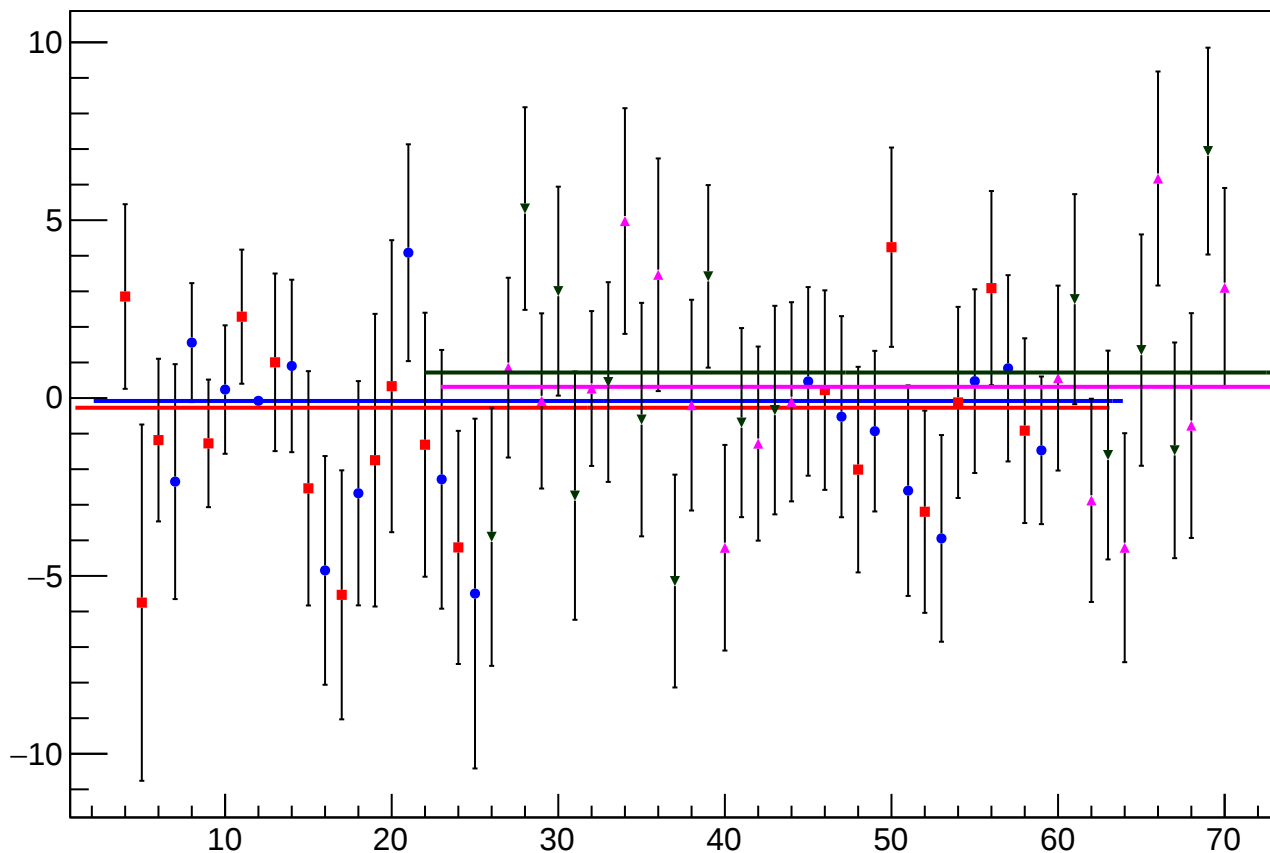
Right Out: 2986.116 $\pm$ 0.736 χ^2 /NDF: 2945634.2/18

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

3291.301 $\pm$ 0.581 χ^2 /NDF: 5141883.5/32

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

diff_bpm4acX_mean vs slug



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

Left Out: 0.718 ± 0.769 $\chi^2/\text{NDF}: 17.6/14$

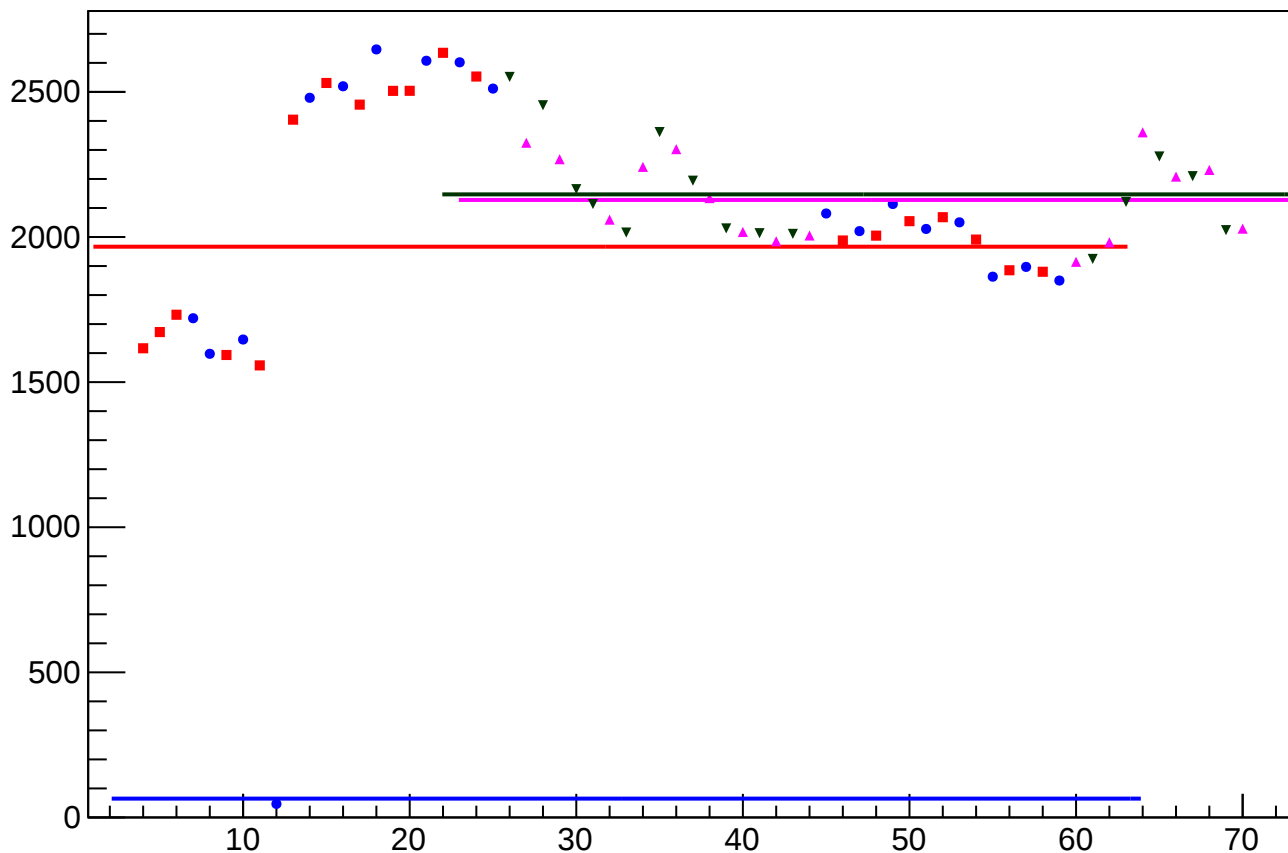
Right Out: -0.272 ± 0.631 $\chi^2/\text{NDF}: 15.3/18$

Left In: 0.316 ± 0.721 $\chi^2/\text{NDF}: 14.1/14$

-0.077 ± 0.060 $\chi^2/\text{NDF}: 30.0/32$

-0.017 ± 0.475 $\chi^2/\text{NDF}: 29.8/33$

diff_bpm4acX_rms vs slug



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

Left Out: 2146.916+/-0.544 χ^2 /NDF:94586.5/14

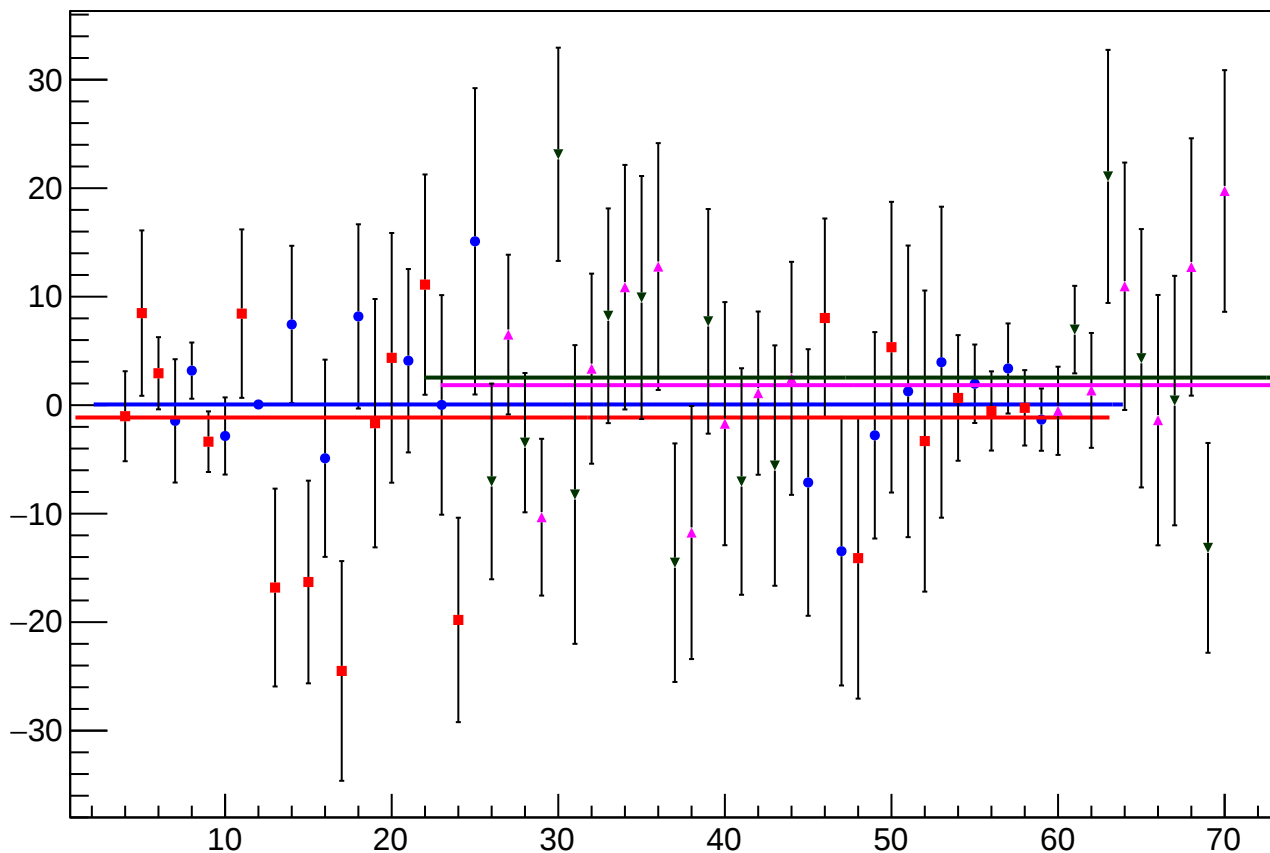
Right Out: 1966.634+/-0.446 χ^2 /NDF: 610680.3/18

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

77.530+/-0.042 χ^2 /NDF: 34925080.1/32

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

diff_bpm4acY_mean vs slug



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

Left Out: 2.543 ± 2.239 χ^2/NDF : 18.2/14

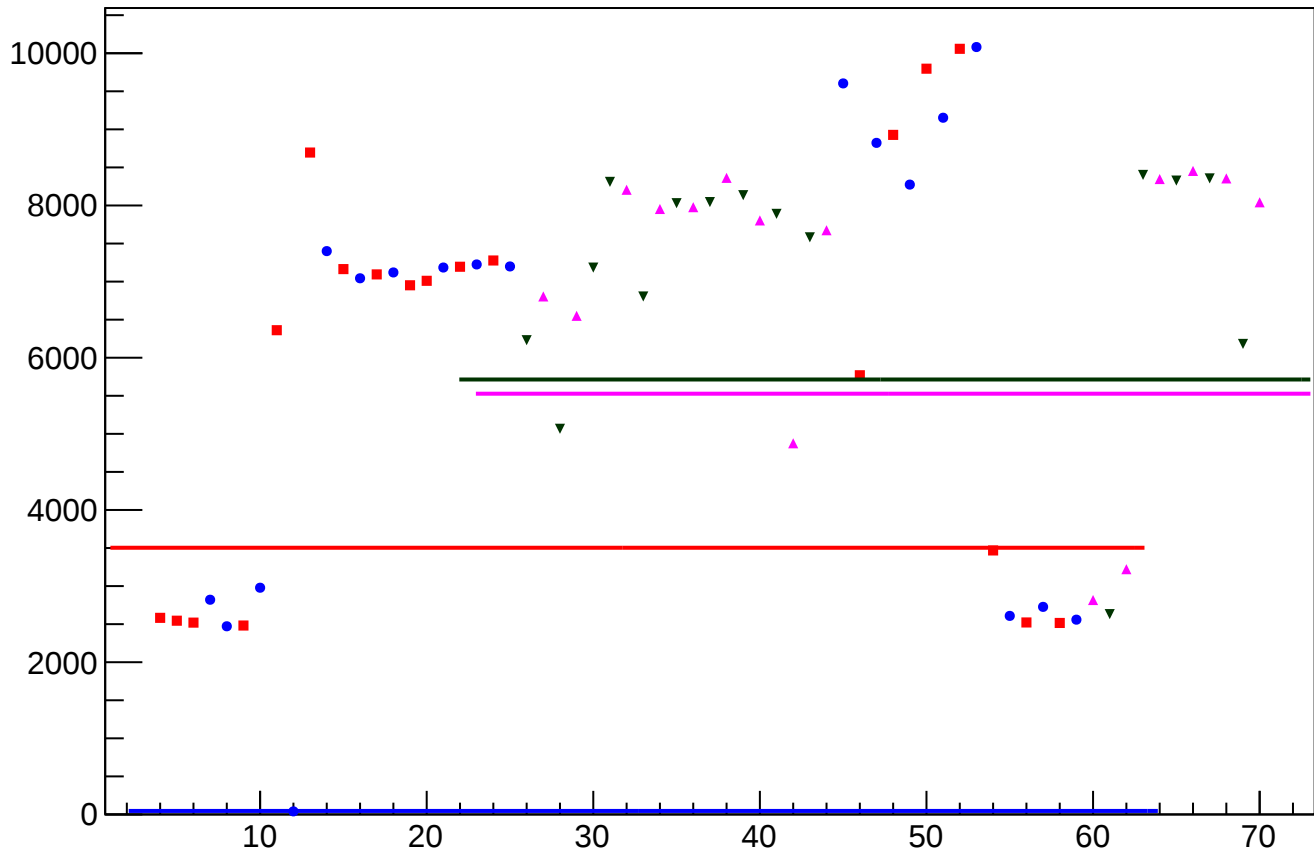
Right Out: -1.137 ± 1.295 χ^2/NDF : 24.2/18

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

0.067 ± 0.052 χ^2/NDF : 28.1/32

-0.295 ± 1.097 χ^2/NDF : 36.5/33

diff_bpm4acY_rms vs slug



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

Left Out: 5713.972+/-1.584 χ^2 /NDF:2075731.6/14

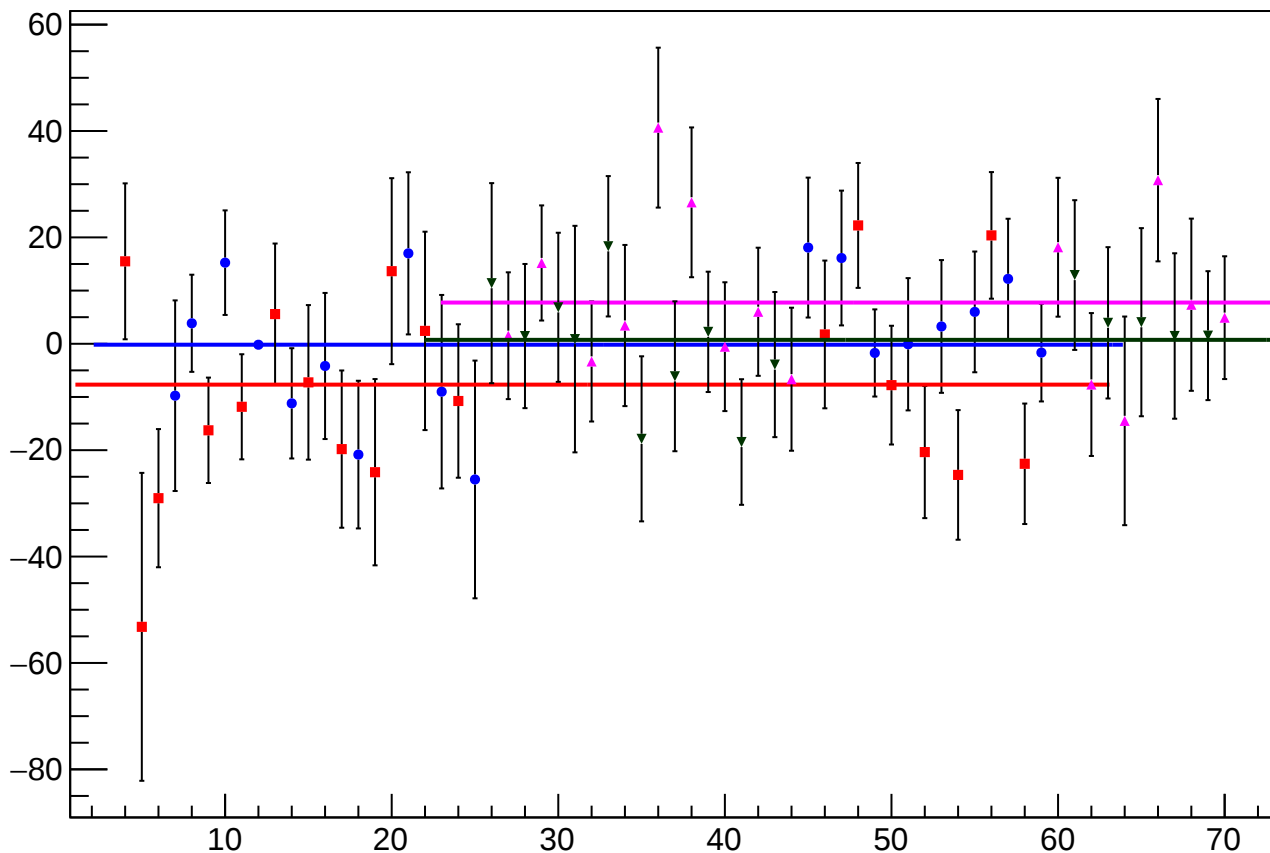
Right Out: 3503.720+/-0.916 χ^2 /NDF: 4669685.2/18

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

49.320+/-0.037 χ^2 /NDF: 35055908.3/32

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

diff_bpm4ecX_mean vs slug



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

Left Out: 0.739 ± 3.651 $\chi^2/\text{NDF}: 7.6/14$

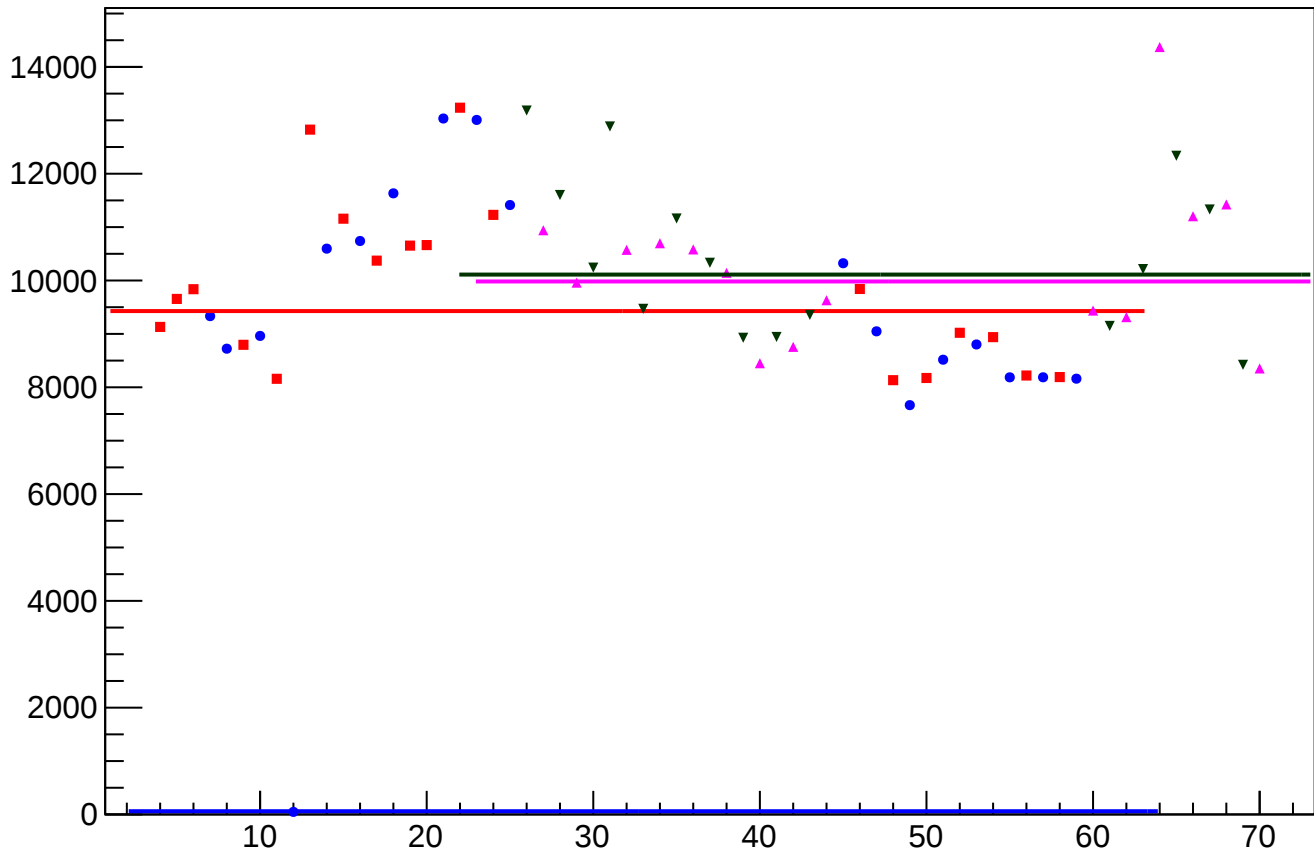
Right Out: -7.679 ± 3.015 $\chi^2/\text{NDF}: 30.2/18$

Left In: 7.749 ± 3.407 $\chi^2/\text{NDF}: 15.6/14$

-0.173 ± 0.106 $\chi^2/\text{NDF}: 22.0/32$

-0.903 ± 2.258 $\chi^2/\text{NDF}: 57.3/33$

diff_bpm4ecX_rms vs slug



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

Left Out: 10111.102+/-2.582 χ^2/NDF : 265976.8/14

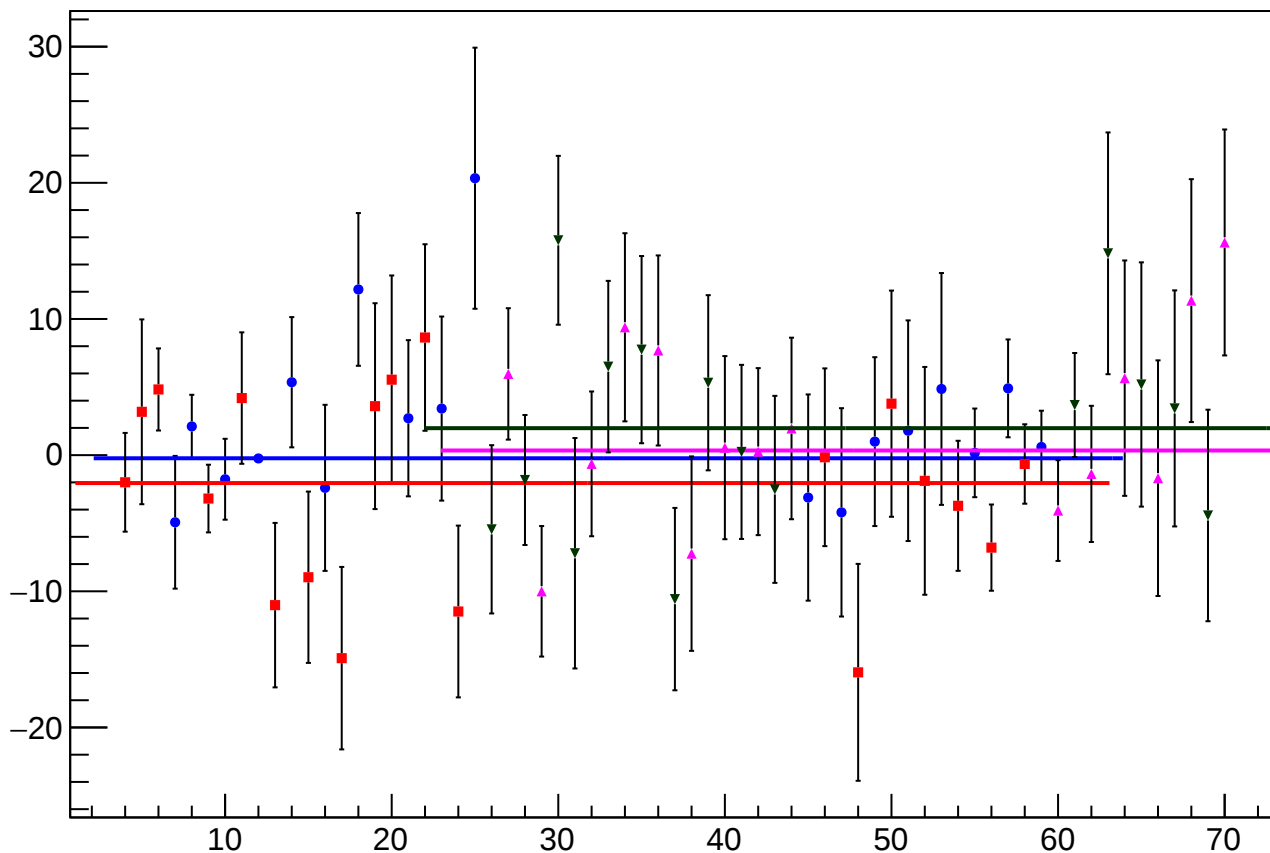
Right Out: 9427.549+/-2.132 χ^2/NDF : 447350.4/18

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

69.277+/-0.075 χ^2/NDF : 36526893.6/32

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

diff_bpm4ecY_mean vs slug



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

Left Out: 1.981 ± 1.640 $\chi^2/\text{NDF}: 16.8/14$

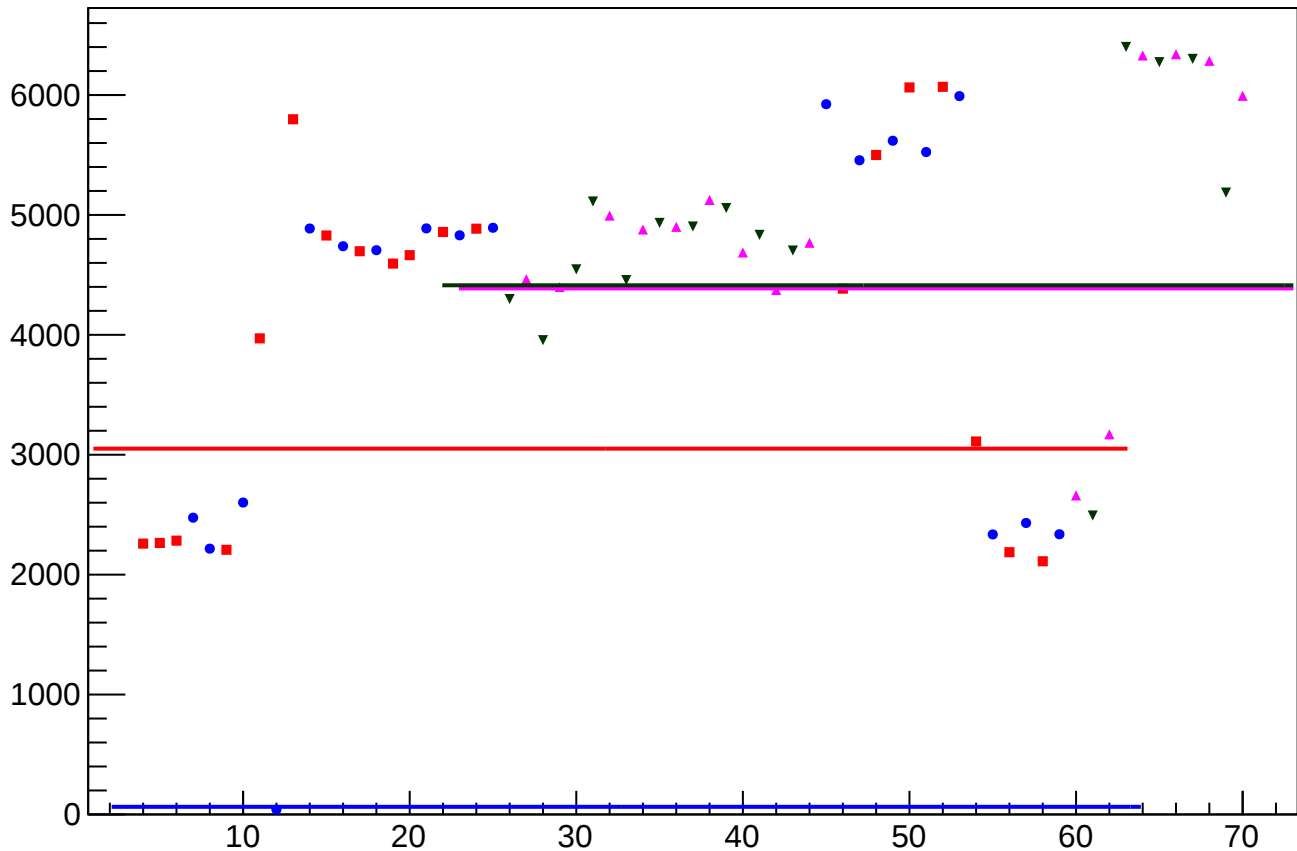
Right Out: -2.049 ± 1.055 $\chi^2/\text{NDF}: 27.2/18$

Left In: 0.342 ± 1.541 $\chi^2/\text{NDF}: 16.9/14$

-0.223 ± 0.090 $\chi^2/\text{NDF}: 35.5/32$

-1.286 ± 0.871 $\chi^2/\text{NDF}: 45.8/33$

diff_bpm4ecY_rms vs slug



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

Left Out: 4413.204+/-1.159 χ^2/NDF :894208.3/14

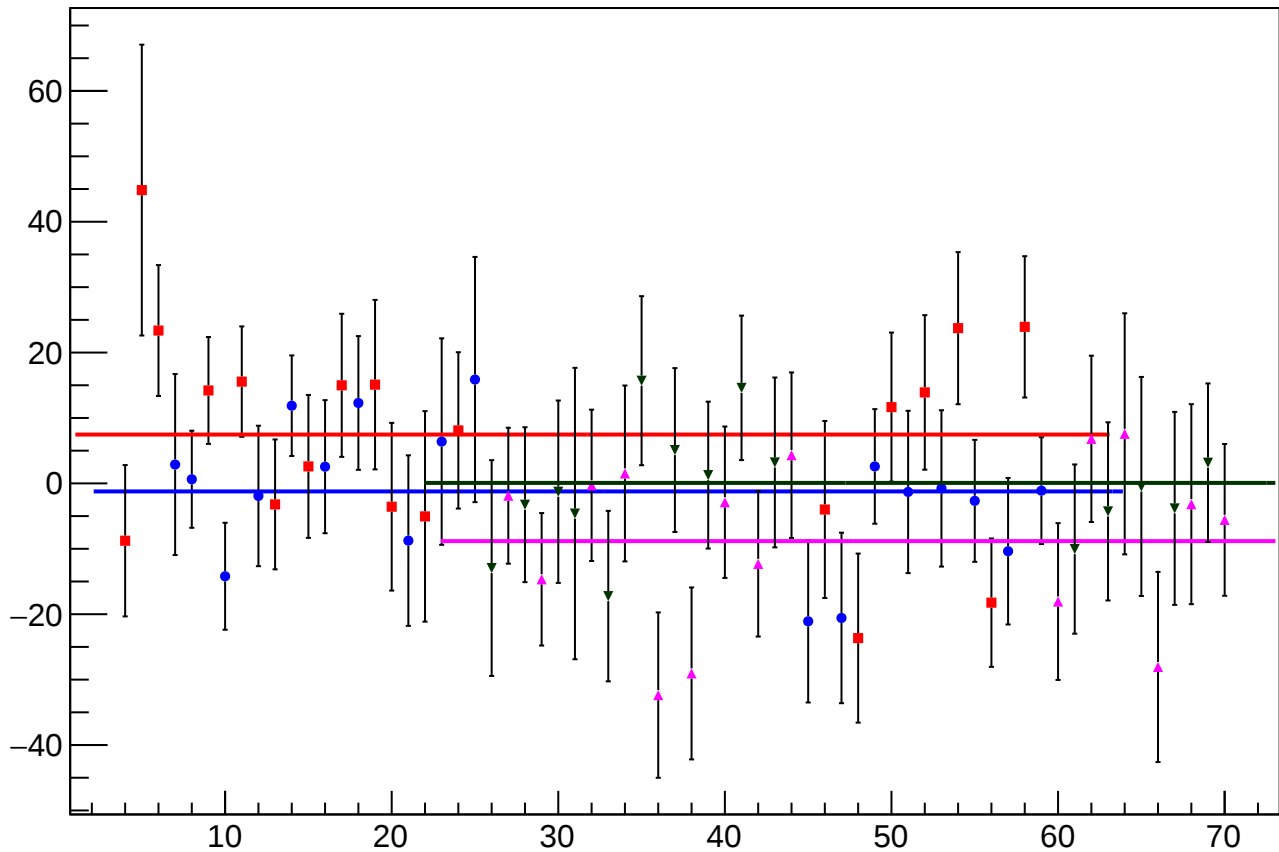
76.721+/-0.063 χ^2/NDF : 35195483.7/32

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

3477.457+/-0.616 χ^2/NDF : 4907527.9/33

Left In: 4386.961+/-1.090 χ^2/NDF :1002043.4/14

diff_bpm1X_mean vs slug



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

Left Out: 0.075 ± 3.438 $\chi^2/\text{NDF}: 6.8/14$

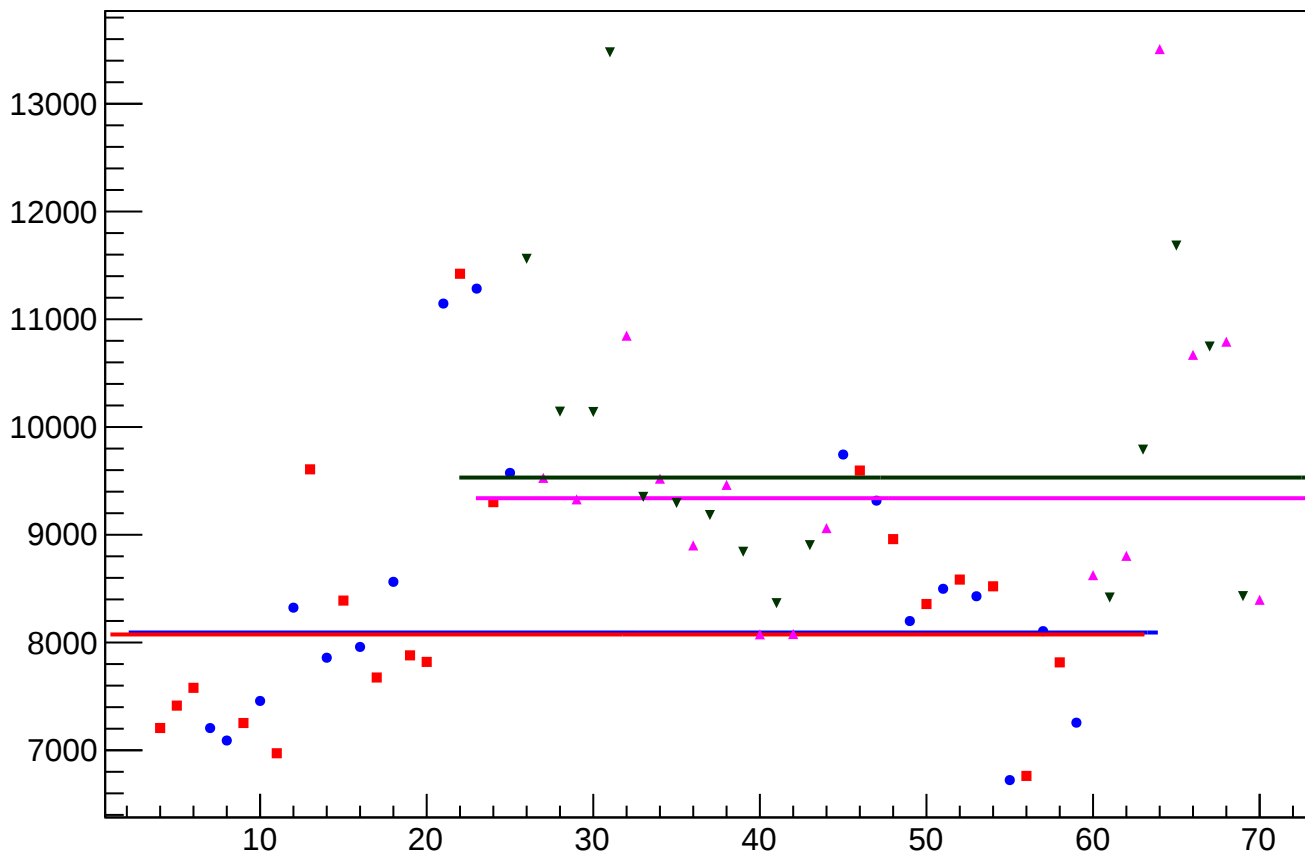
Right Out: 7.465 ± 2.574 $\chi^2/\text{NDF}: 30.5/18$

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

-0.794 ± 1.985 $\chi^2/\text{NDF}: 21.4/32$

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

diff_bpm1X_rms vs slug



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

Left Out: 9530.989+/-2.431 χ^2/NDF : 217979.1/14

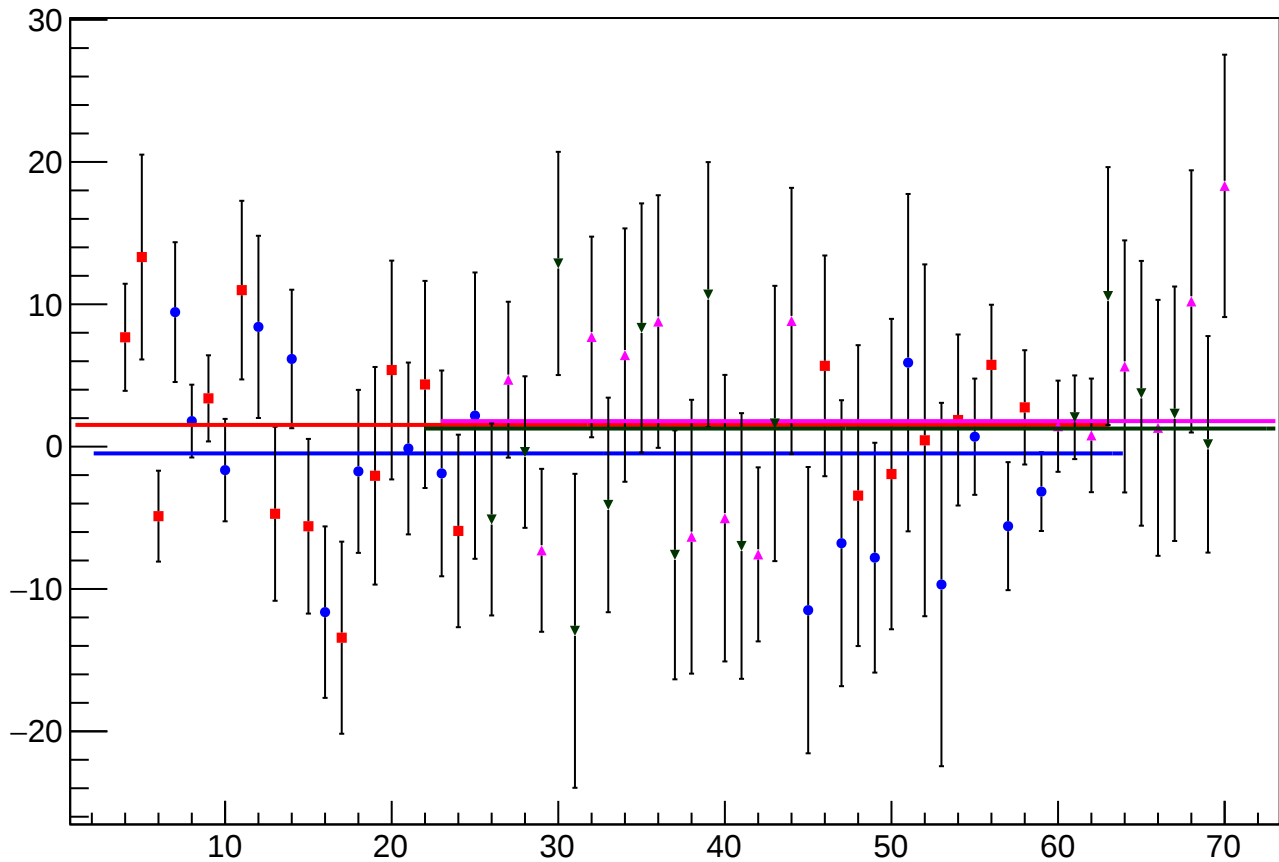
Right Out: 8074.654+/-1.820 χ^2/NDF : 312658.9/18

Left In: 9339.416+/-2.254 χ^2/NDF : 249181.3/14

8572.120+/-1.403 χ^2/NDF : 840700.6/32

8573.842+/-1.416 χ^2/NDF : 752448.7/33

diff_bpm1Y_mean vs slug



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

Left Out: 1.271 ± 1.745 $\chi^2/\text{NDF}: 10.1/14$

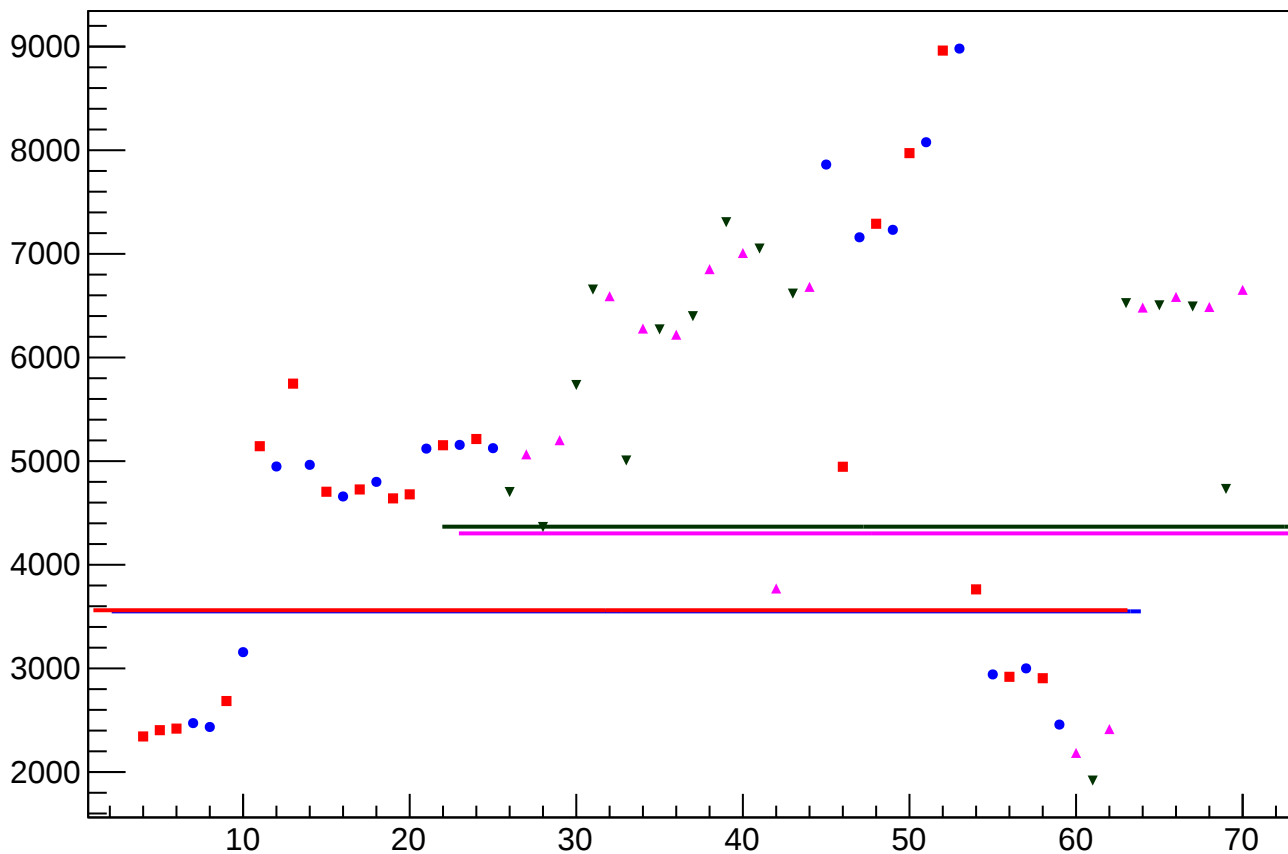
Right Out: 1.525 ± 1.232 $\chi^2/\text{NDF}: 22.9/18$

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

0.060 ± 0.967 $\chi^2/\text{NDF}: 28.7/32$

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

diff_bpm1Y_rms vs slug



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

Left Out: 4367.667+/-1.234 χ^2/NDF : 2567179.8/14

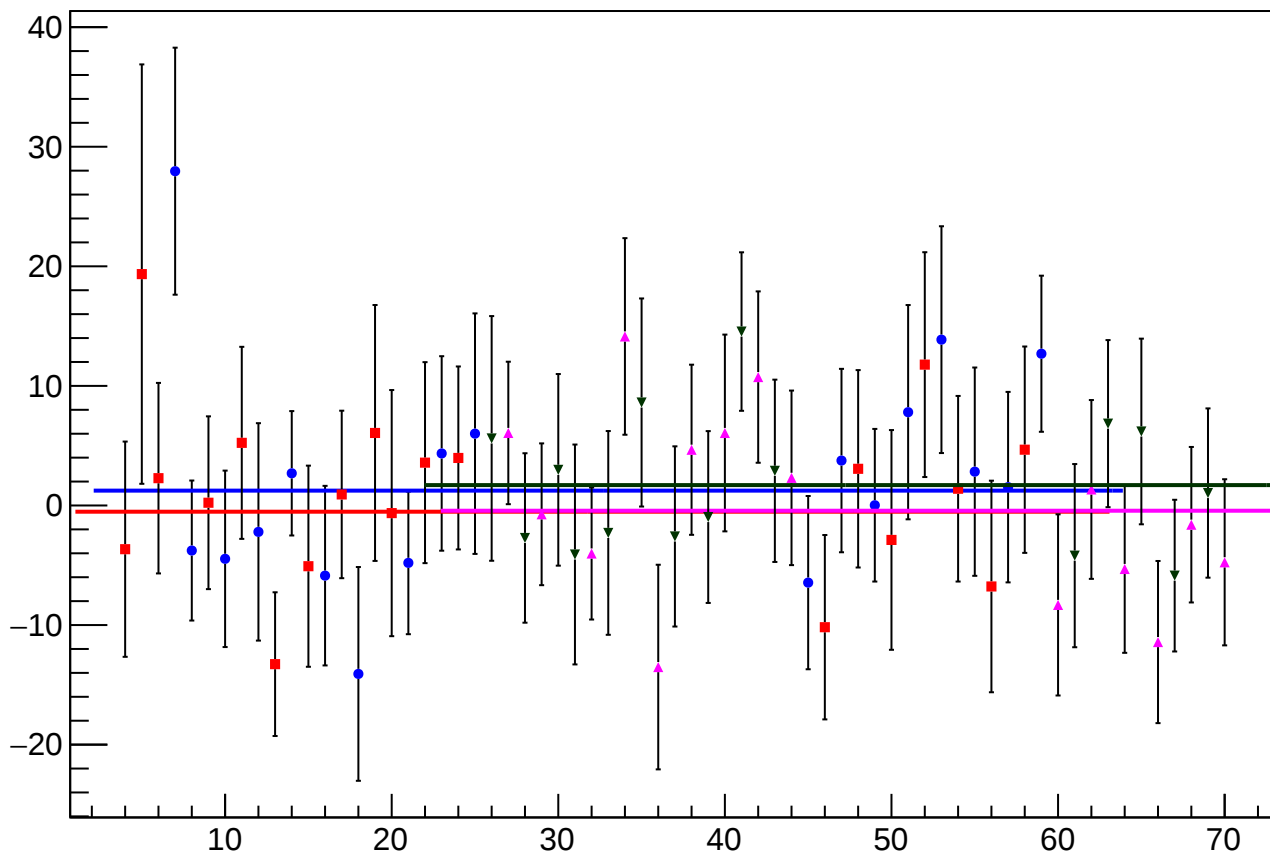
Right Out: 3561.233+/-0.871 χ^2/NDF : 2618224.4/18

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

3801.302+/-0.684 χ^2/NDF : 6165266.6/32

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

diff_bpm11X_mean vs slug



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

Left Out: 1.703 ± 1.962 $\chi^2/\text{NDF}: 9.0/14$

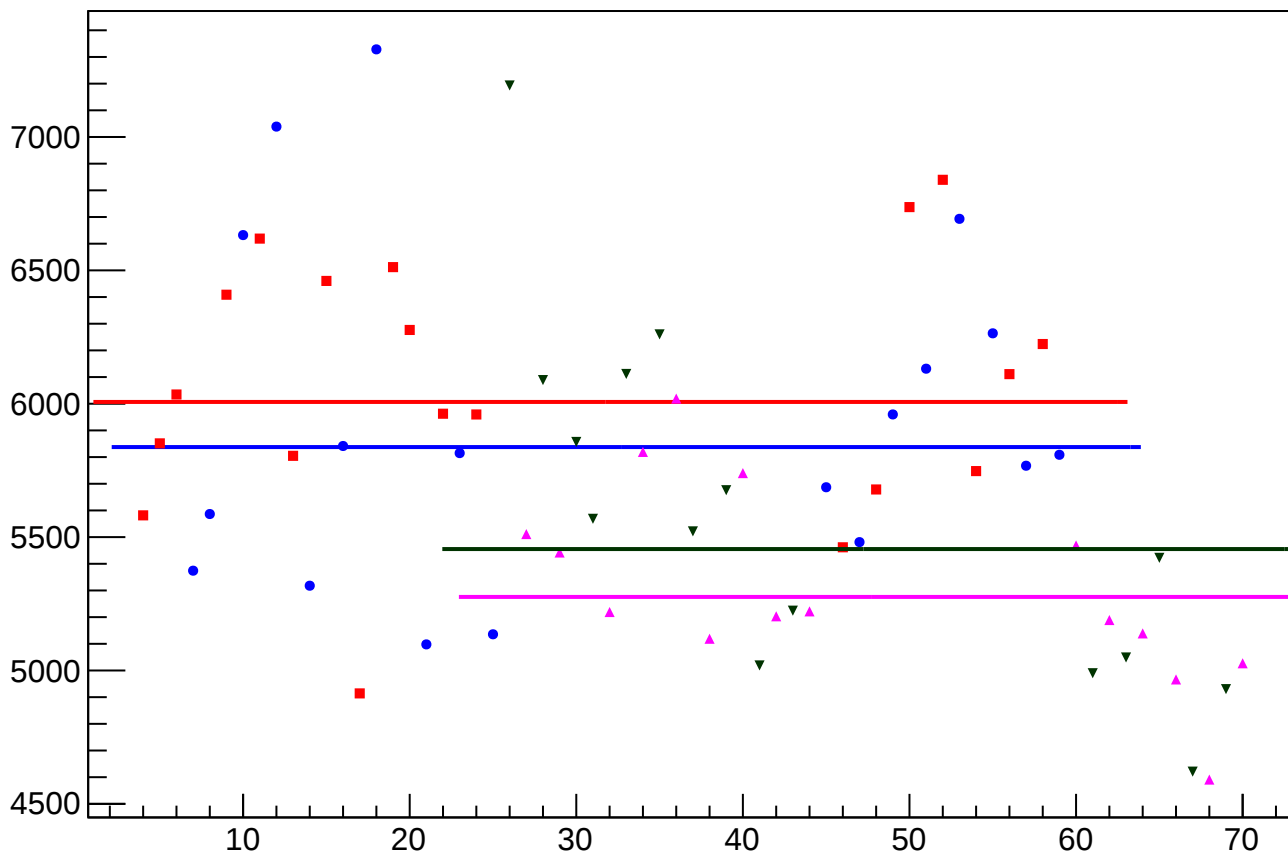
Right Out: -0.521 ± 1.907 $\chi^2/\text{NDF}: 12.3/18$

Left In: -0.439 ± 1.789 $\chi^2/\text{NDF}: 15.5/14$

1.447 ± 1.307 $\chi^2/\text{NDF}: 29.1/32$

-0.477 ± 1.305 $\chi^2/\text{NDF}: 27.8/33$

diff_bpm11X_rms vs slug



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

Left Out: 5455.240 ± 1.387 χ^2/NDF : 180372.6/14

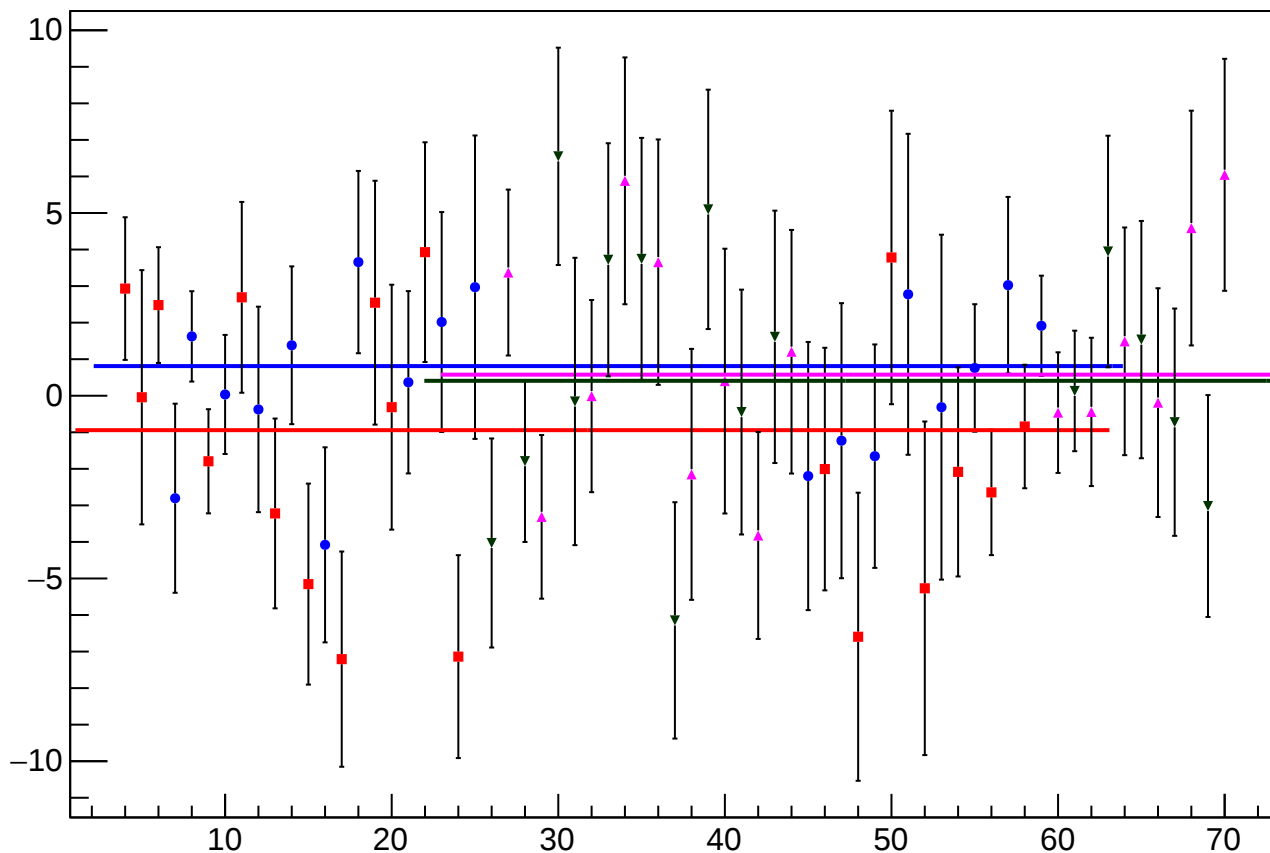
Right Out: 6006.736 ± 1.348 χ^2/NDF : 130455.1/18

Left In: 5275.784 ± 1.265 χ^2/NDF : 67654.8/14

5668.017 ± 0.924 χ^2/NDF : 433951.3/32

5618.024 ± 0.922 χ^2/NDF : 354450.1/33

diff_bpm11Y_mean vs slug



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

Left Out: 0.408 ± 0.739 χ^2/NDF : 18.9/14

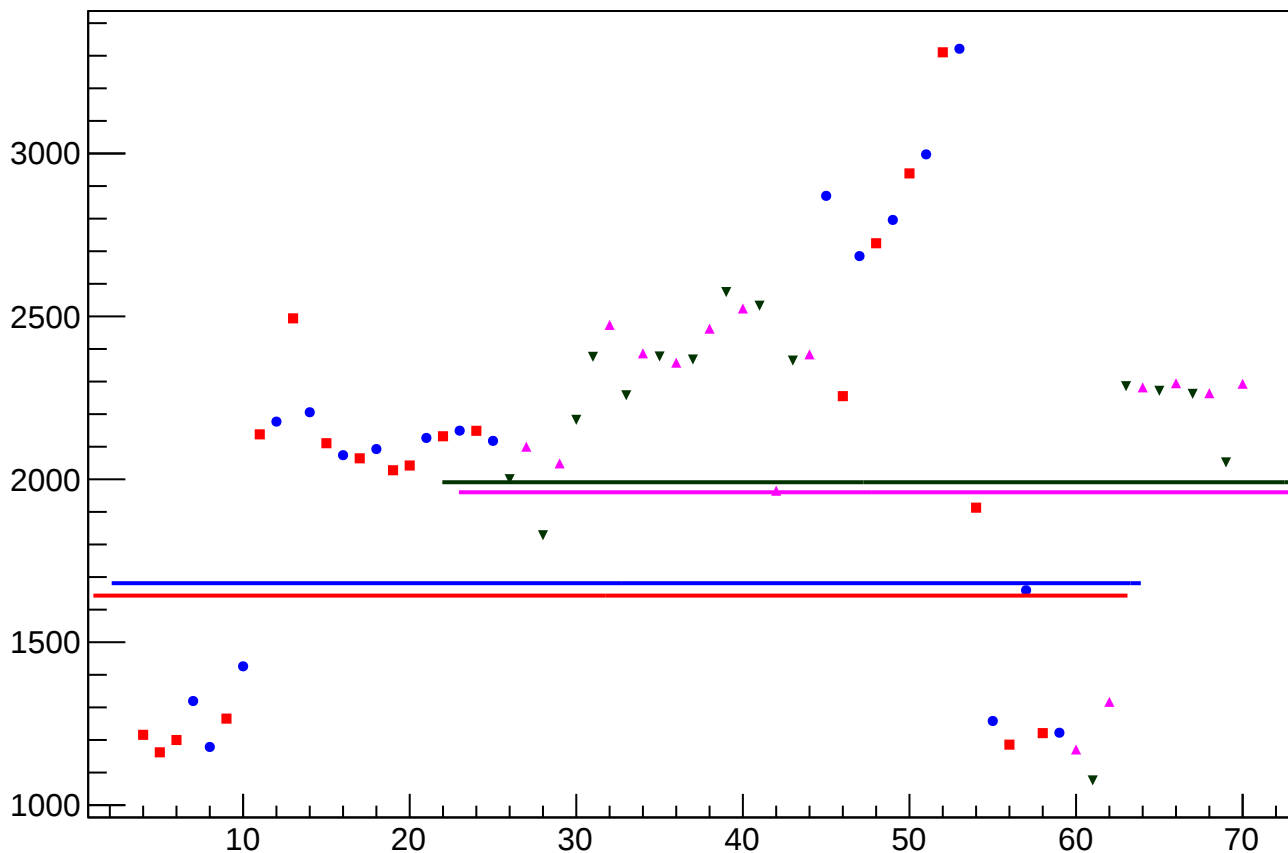
Right Out: -0.942 ± 0.553 χ^2/NDF : 32.9/18

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

0.674 ± 0.432 χ^2/NDF : 30.5/32

-0.348 ± 0.431 χ^2/NDF : 52.2/33

diff_bpm11Y_rms vs slug



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

Left Out: 1991.026+/-0.523 χ^2/NDF : 910116.4/14

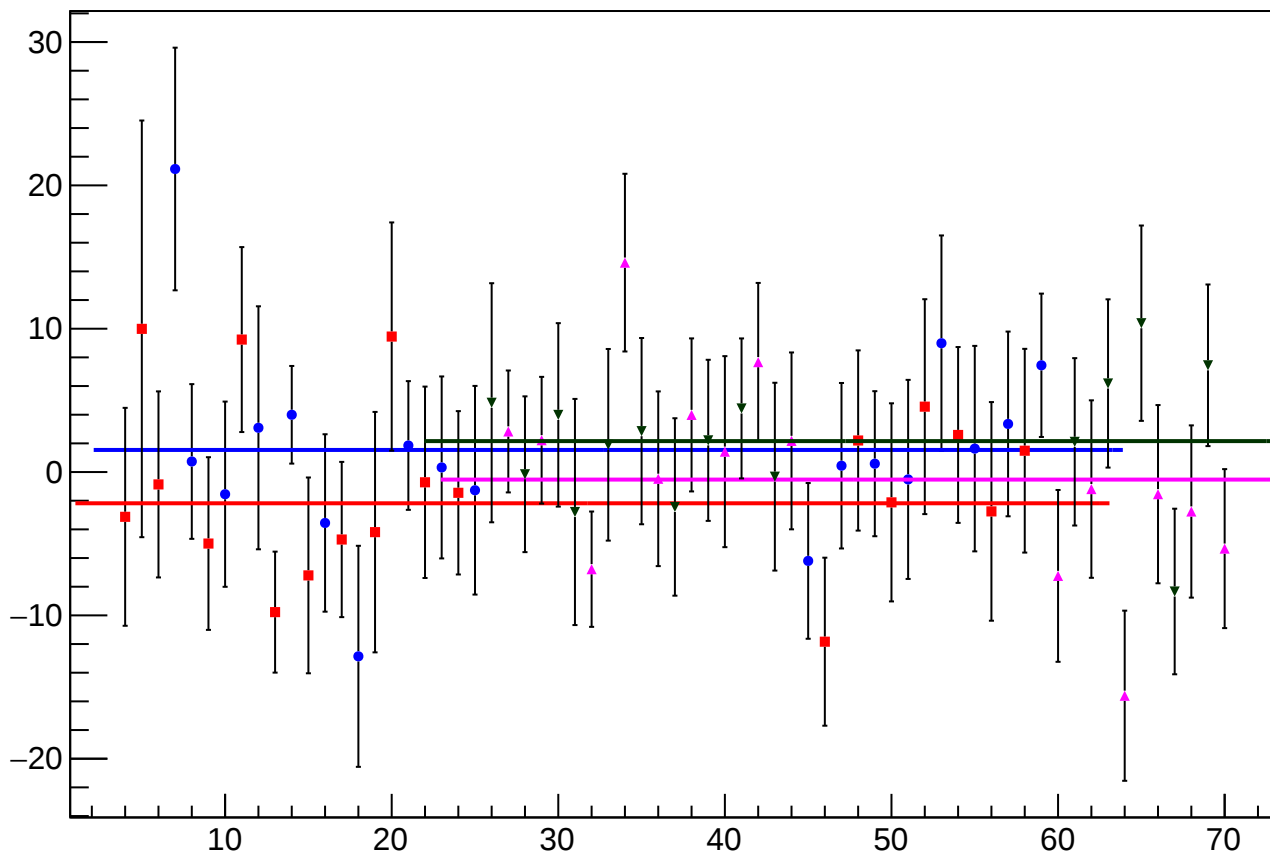
Right Out: 1643.071+/-0.391 χ^2/NDF : 1969332.5/18

Left In: 1960.230+/-0.488 χ^2/NDF : 1013394.7/14

1786.907+/-0.305 χ^2/NDF : 3354529.5/32

1767.047+/-0.305 χ^2/NDF : 3240299.7/33

diff_bpm12X_mean vs slug



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

Left Out: 2.158 ± 1.583 $\chi^2/\text{NDF}: 7.8/14$

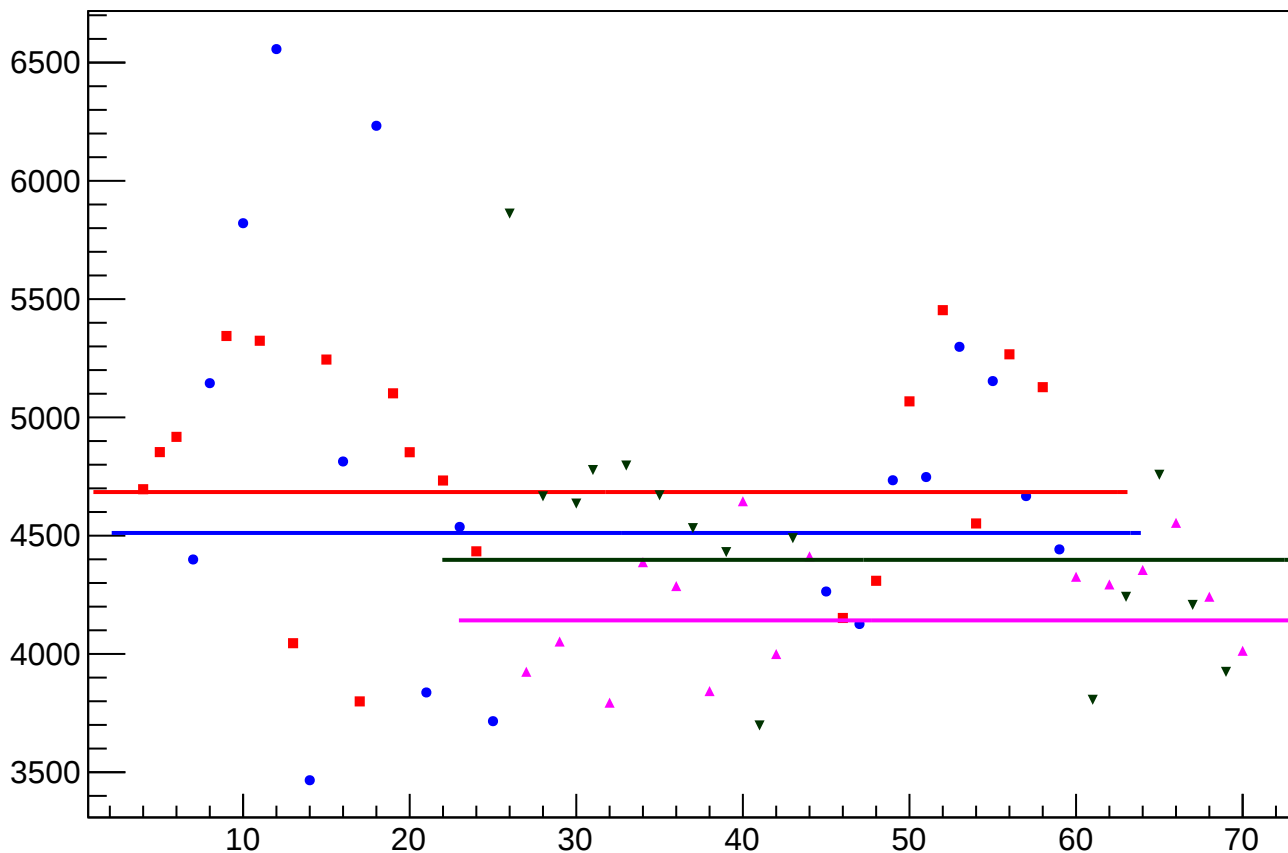
Right Out: -2.180 ± 1.492 $\chi^2/\text{NDF}: 15.2/18$

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

1.805 ± 1.036 $\chi^2/\text{NDF}: 23.0/32$

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

diff_bpm12X_rms vs slug



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

Left Out: 4397.776+/-1.119 χ^2/NDF :170813.6/14

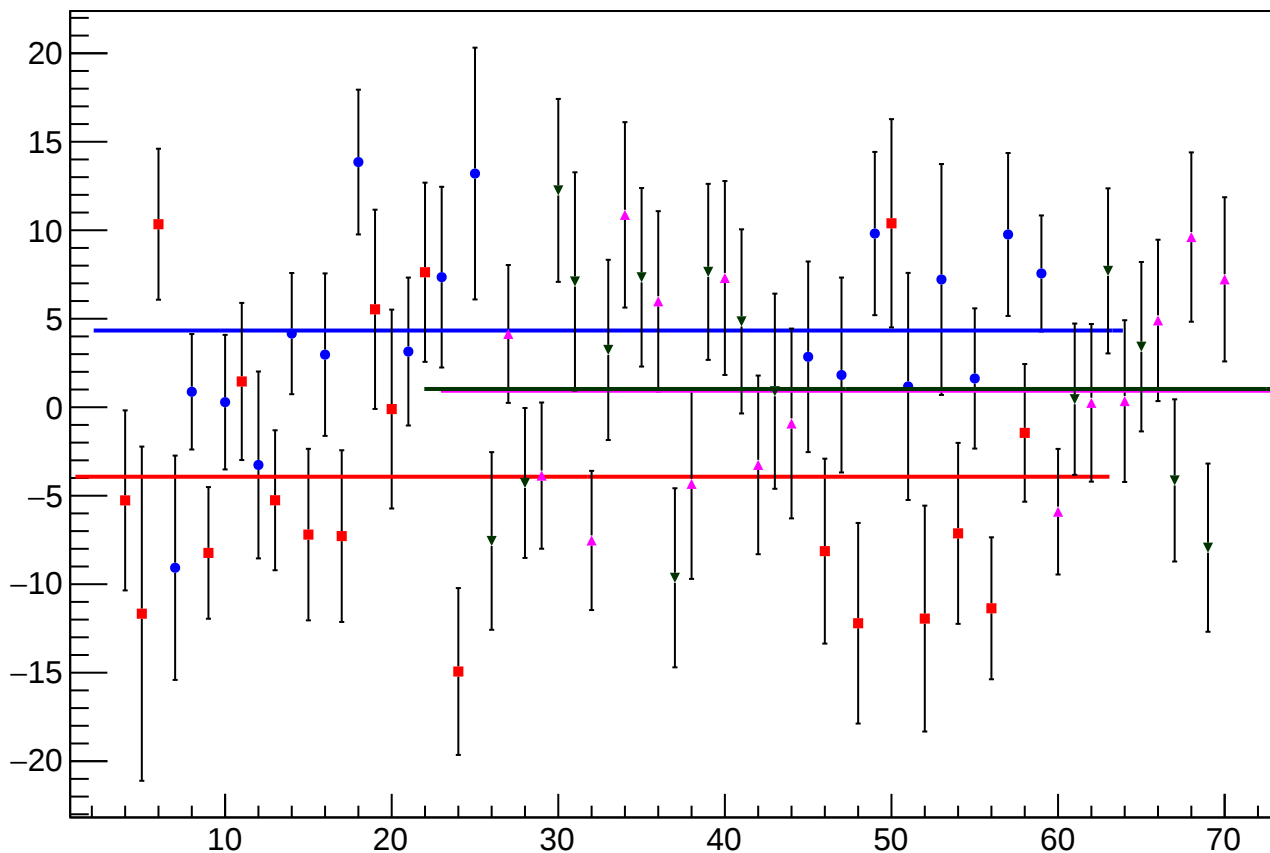
Right Out: 4684.391+/-1.055 χ^2/NDF : 240230.9/18

Left In: 4141.843+/-0.994 χ^2/NDF :64256.4/14

4462.825+/-0.732 χ^2/NDF : 823717.3/32

4396.863+/-0.724 χ^2/NDF : 444558.4/33

diff_bpm12Y_mean vs slug



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

Left Out: 1.031 ± 1.267 χ^2/NDF : 25.8/14

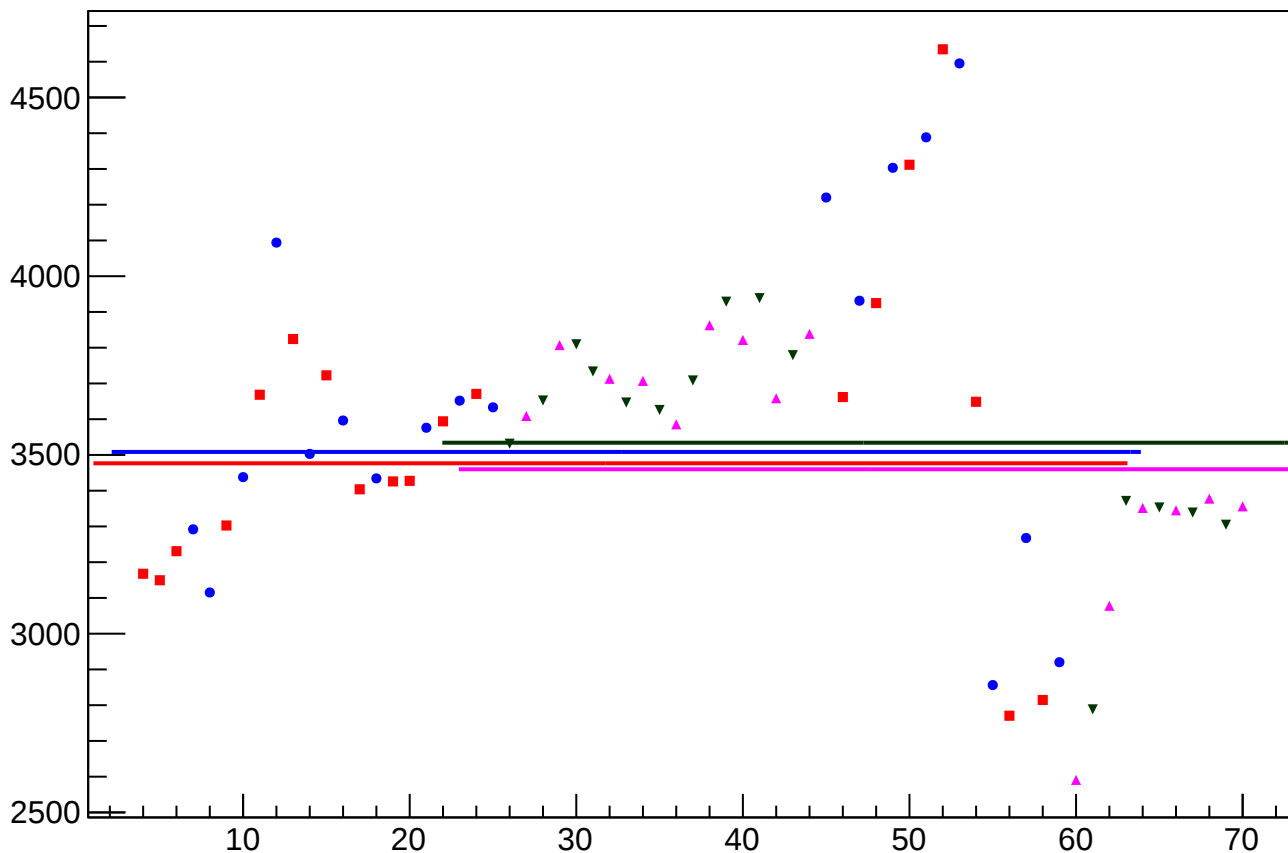
Right Out: -3.927 ± 1.110 χ^2/NDF : 44.2/18

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

2.982 ± 0.811 χ^2/NDF : 51.1/32

-1.640 ± 0.807 χ^2/NDF : 77.3/33

diff_bpm12Y_rms vs slug



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

Left Out: 3534.251 $\pm$ 0.896 χ^2 /NDF:116436.6/14

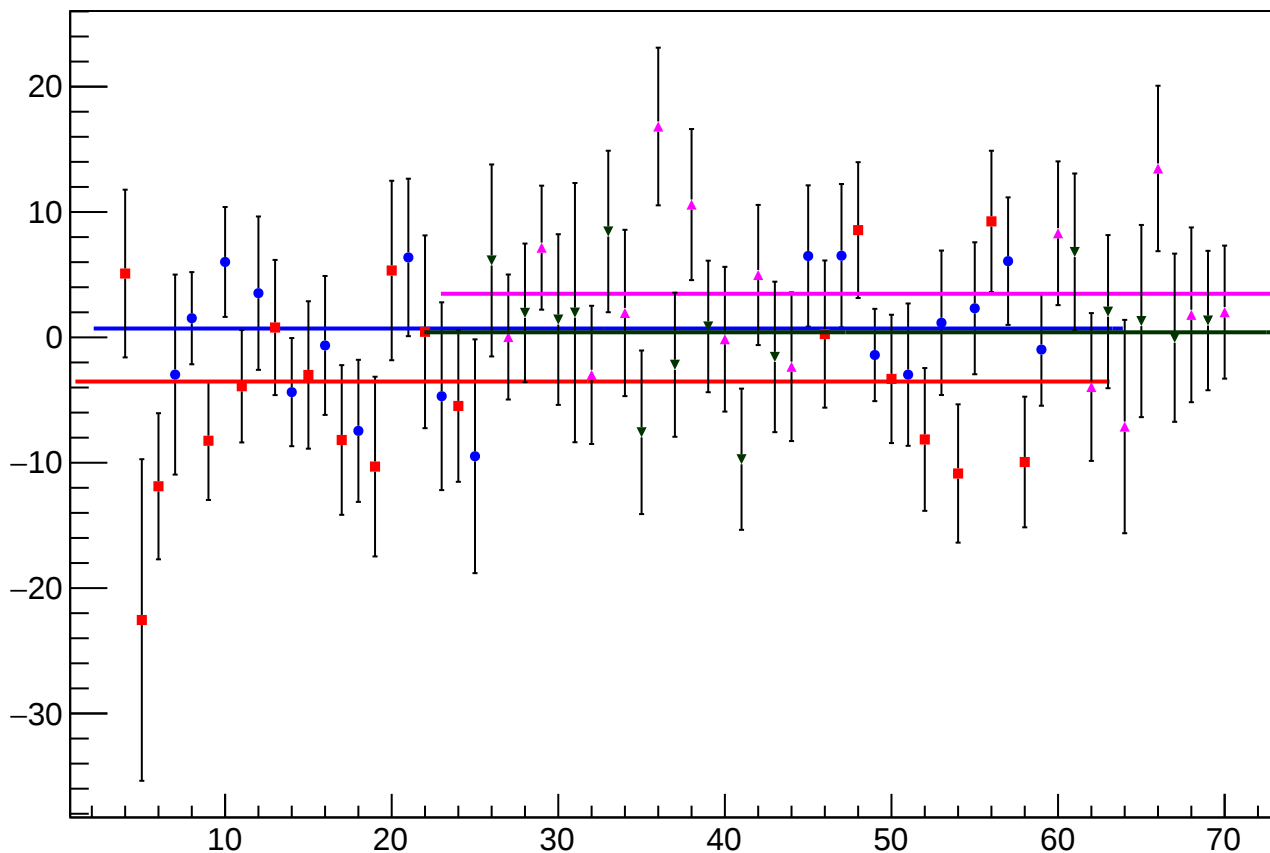
Right Out: 3476.662 $\pm$ 0.785 χ^2 /NDF: 293750.8/18

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

3519.013 $\pm$ 0.573 χ^2 /NDF: 501062.0/32

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

diff_bpm16X_mean vs slug



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

Left Out: 0.405 ± 1.626 χ^2/NDF : 8.5/14

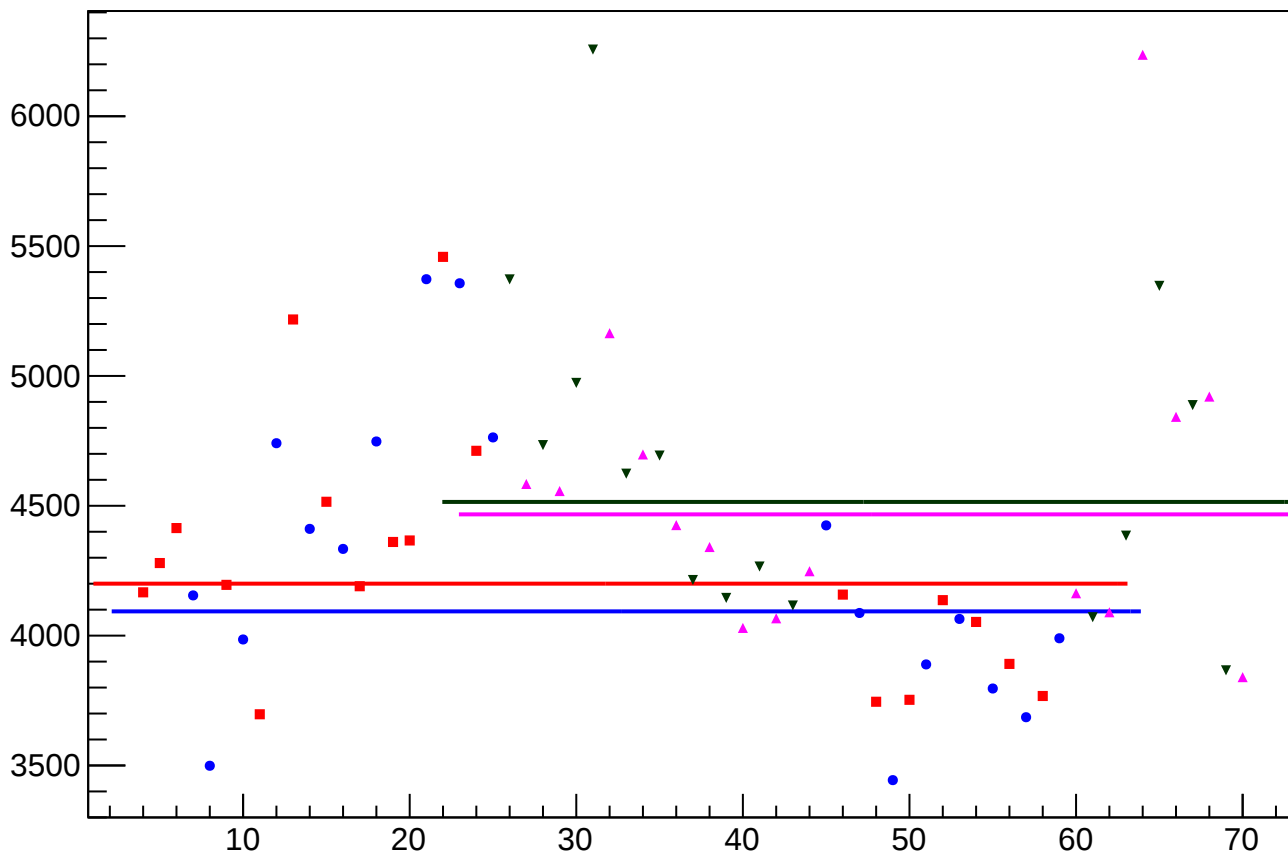
Right Out: -3.522 ± 1.336 χ^2/NDF : 25.4/18

Left In: 3.480 ± 1.521 χ^2/NDF : 16.1/14

0.598 ± 0.980 χ^2/NDF : 20.7/32

-0.473 ± 1.004 χ^2/NDF : 53.5/33

diff_bpm16X_rms vs slug



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

Left Out: 4514.851 $\pm$ 1.150 χ^2 /NDF:192123.2/14

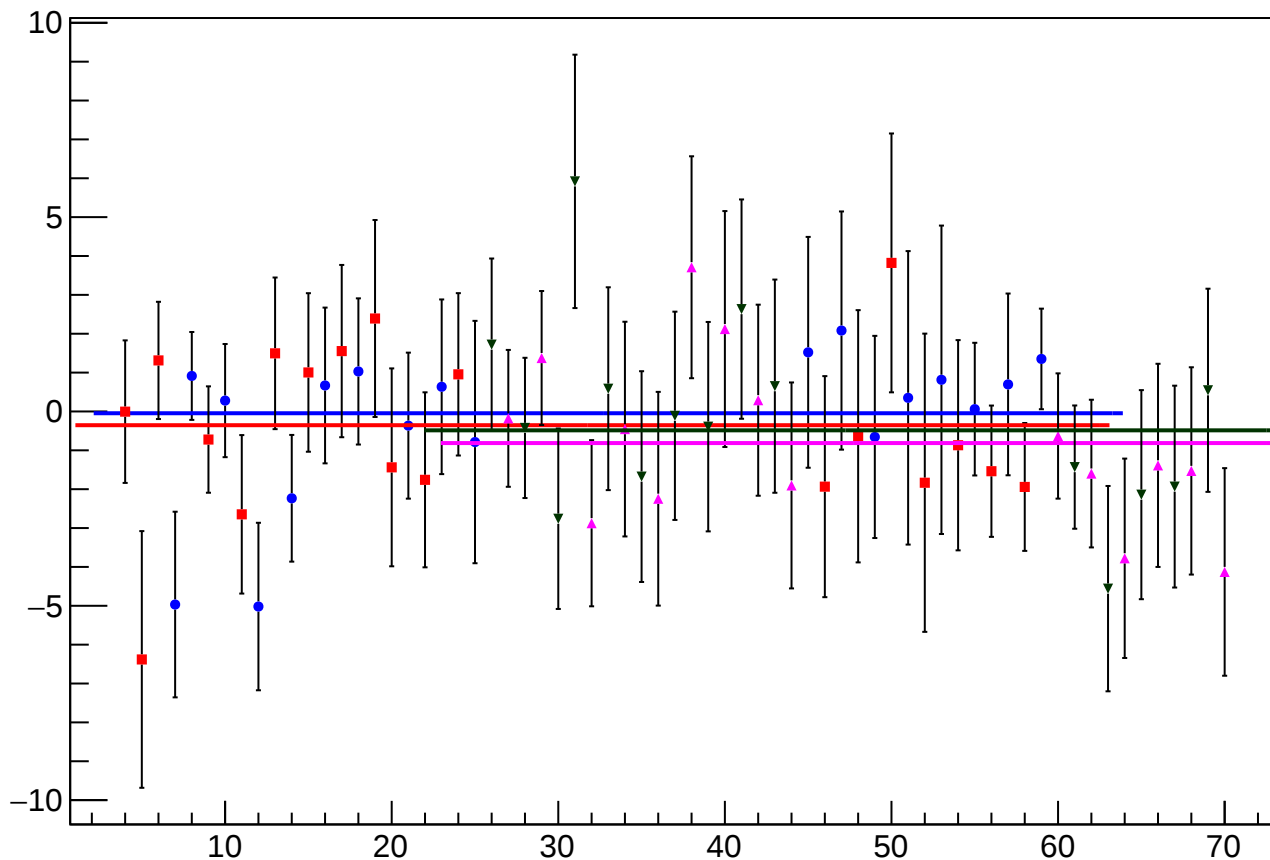
Right Out: 4200.125 $\pm$ 0.945 χ^2 /NDF: 225858.3/18

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

4246.562 $\pm$ 0.693 χ^2 /NDF: 637331.6/32

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

diff_bpm16Y_mean vs slug



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

Left Out: -0.486 ± 0.622 $\chi^2/\text{NDF}: 11.2/14$

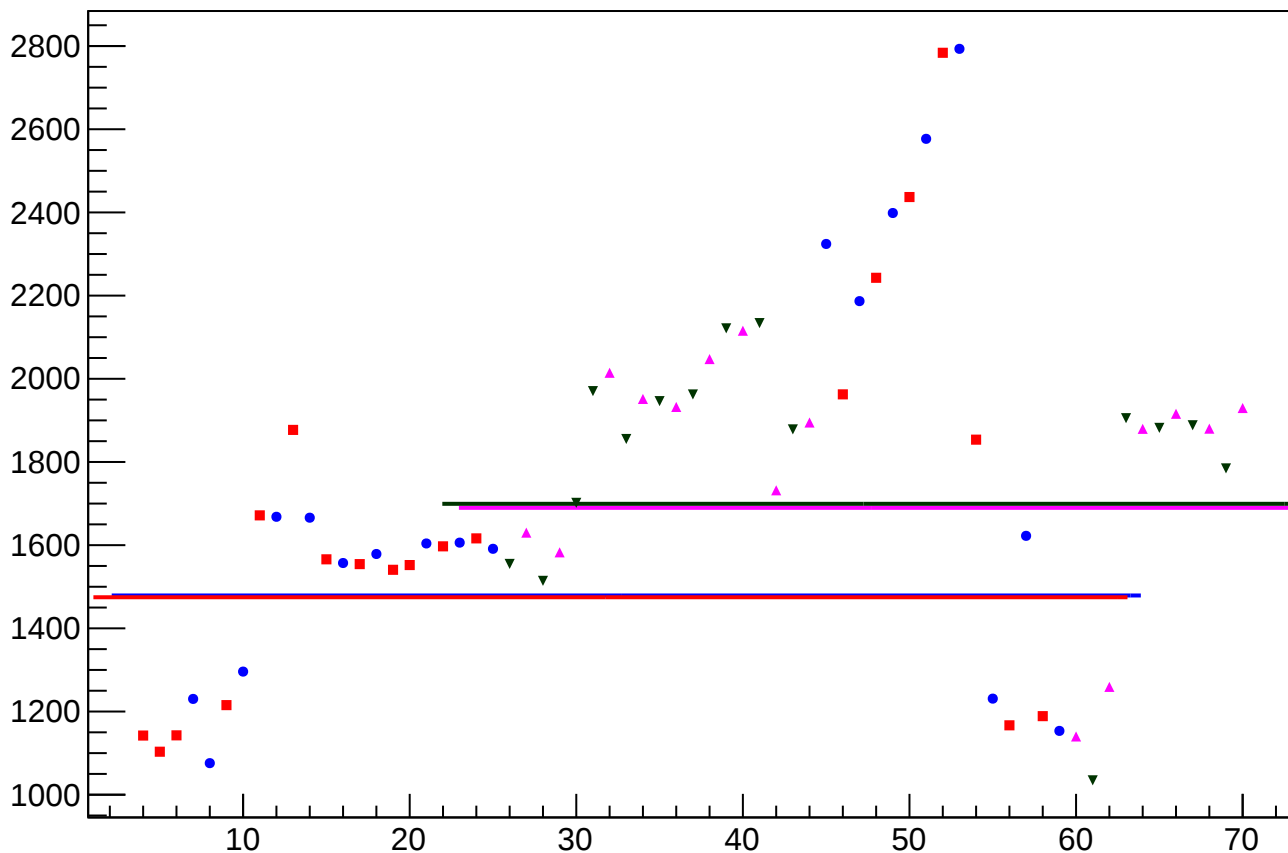
Right Out: -0.354 ± 0.483 $\chi^2/\text{NDF}: 13.6/18$

Left In: -0.813 ± 0.585 $\chi^2/\text{NDF}: 10.0/14$

-0.200 ± 0.369 $\chi^2/\text{NDF}: 26.4/32$

-0.540 ± 0.373 $\chi^2/\text{NDF}: 24.0/33$

diff_bpm16Y_rms vs slug



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

Left Out: 1699.412+/-0.440 χ^2/NDF : 576988.8/14

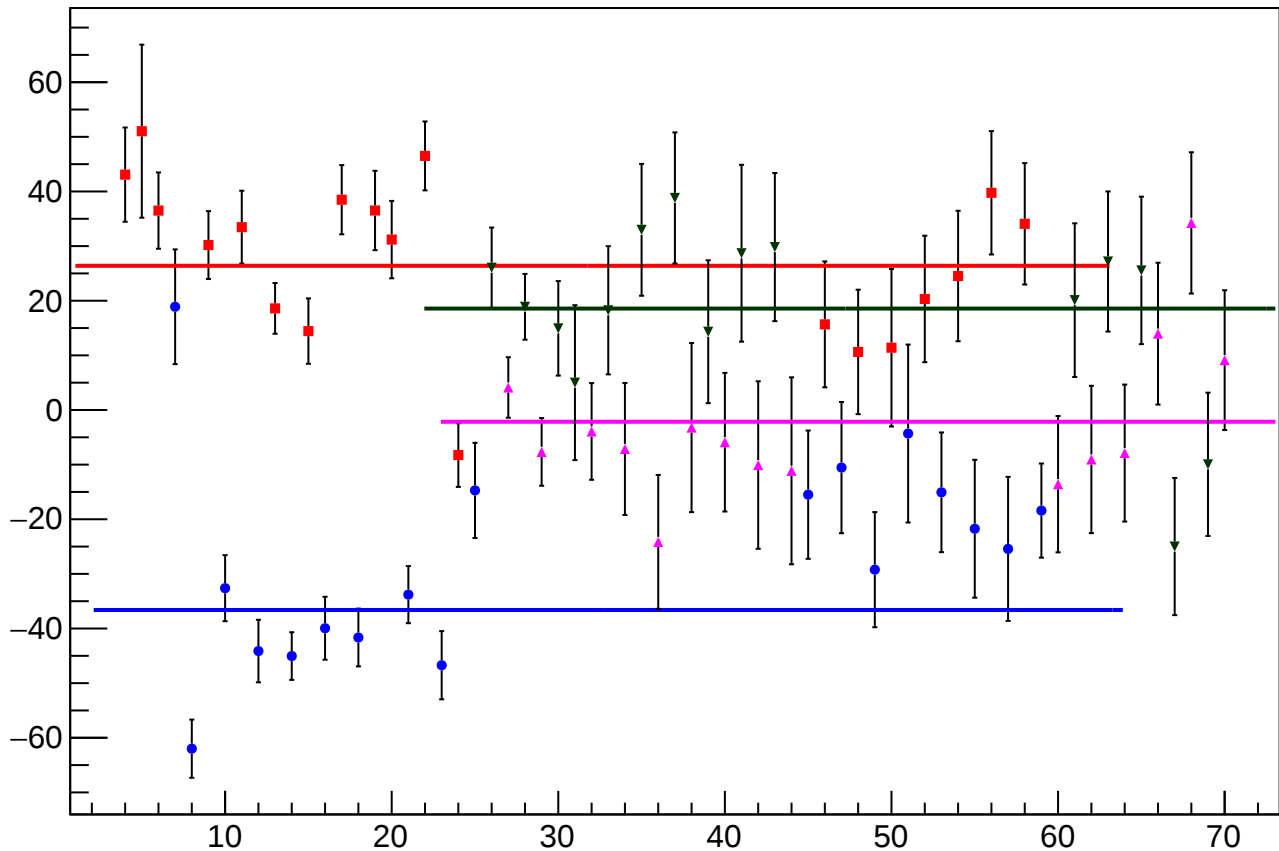
1556.519+/-0.261 χ^2/NDF : 2199023.0/32

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

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

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

diff_bpm0l01X_mean vs slug



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

Left Out: 18.568 ± 2.780 χ^2/NDF : 25.1/14

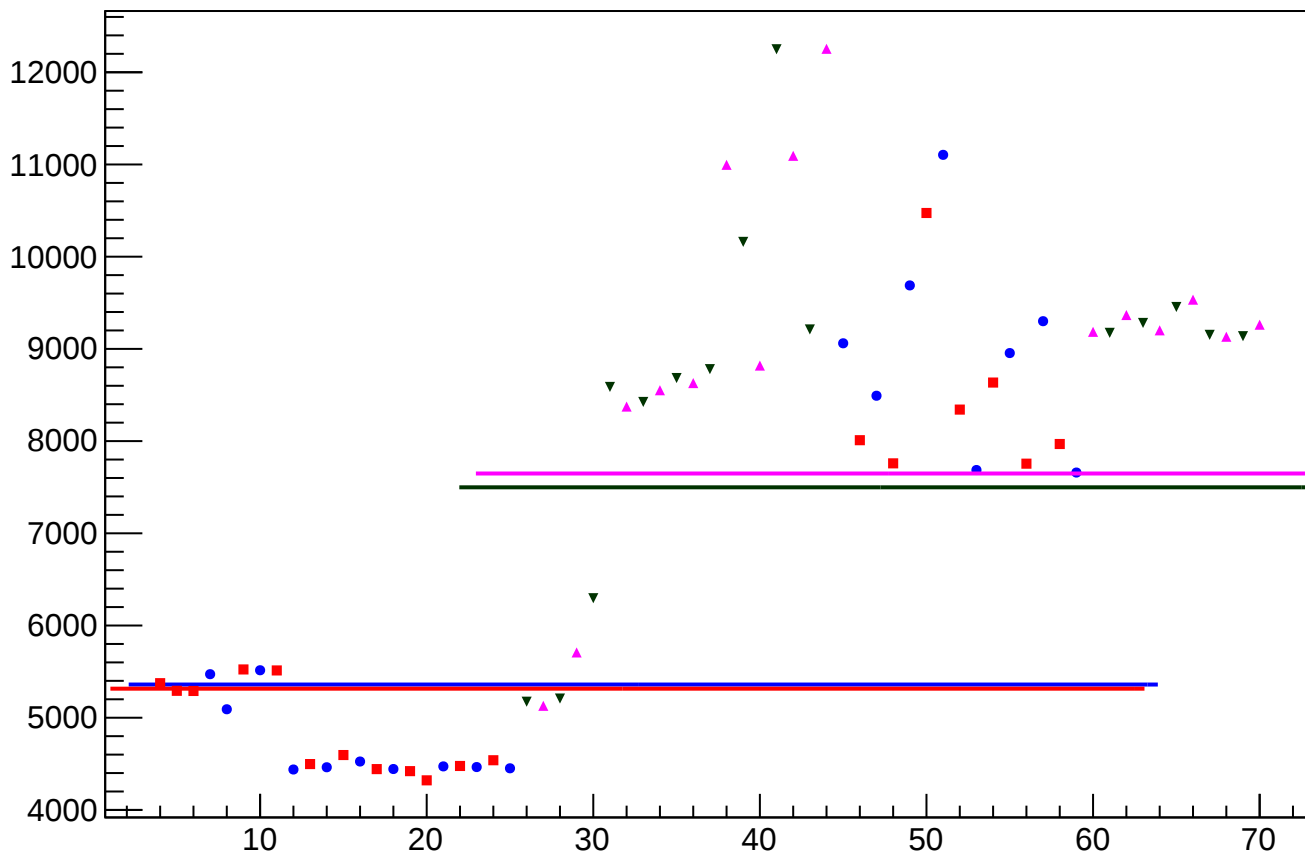
Right Out: 26.394 ± 1.742 χ^2/NDF : 74.2/18

Left In: -2.154 ± 2.679 χ^2/NDF : 17.7/14

-21.925 ± 1.434 χ^2/NDF : 404.0/32

17.911 ± 1.460 χ^2/NDF : 171.7/33

diff_bpm0l01X_rms vs slug



Right In: 5359.96+/-1.184 χ^2/NDF : 1859958.8/17

Left Out: 7498.766+/-1.966 χ^2/NDF :1056531.1/14

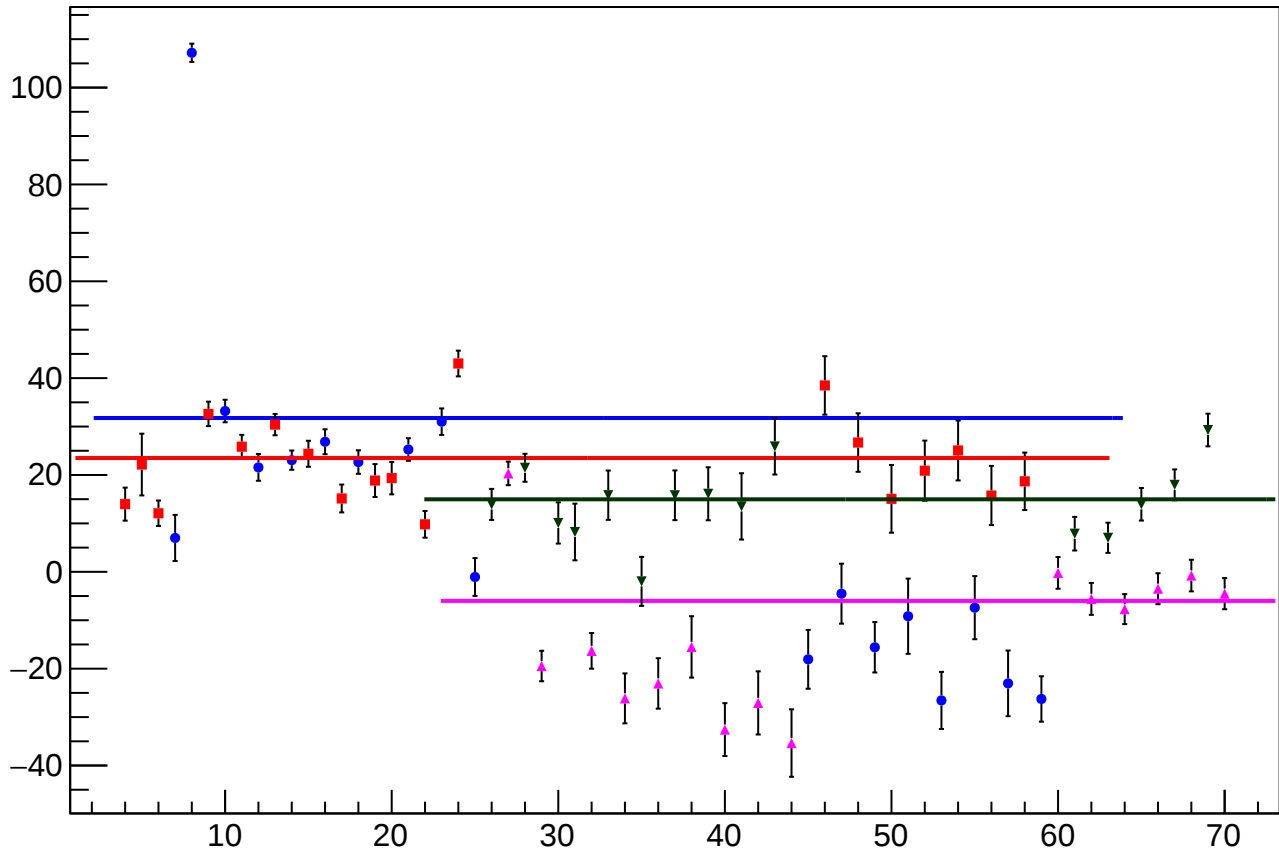
Right Out: 5315.062+/-1.232 χ^2/NDF : 1229938.4/18

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

5929.093+/-1.014 χ^2/NDF : 3785235.8/32

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

diff_bpm0l01Y_mean vs slug



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

Left Out: 14.976 ± 1.019 $\chi^2/\text{NDF}: 52.4/14$

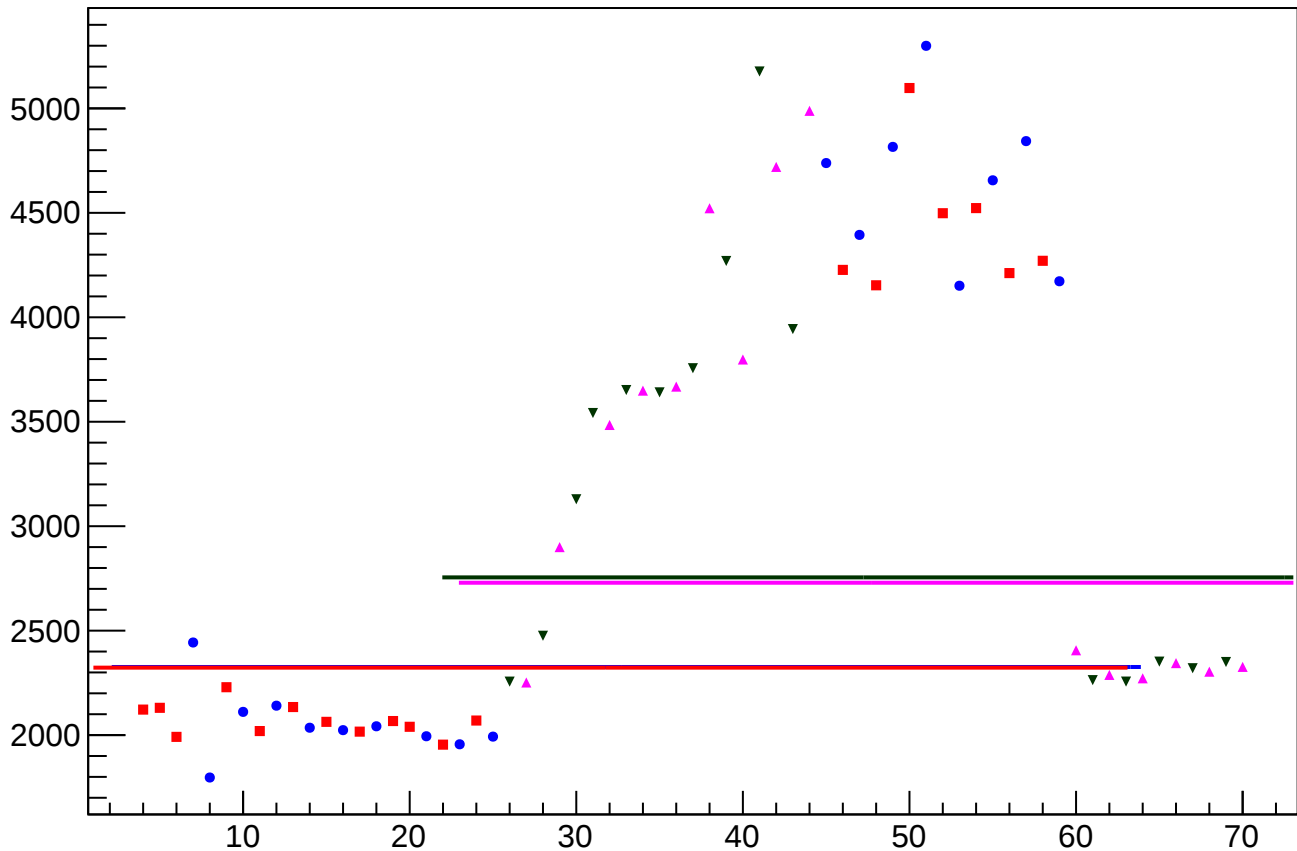
Right Out: 23.500 ± 0.773 $\chi^2/\text{NDF}: 151.3/18$

Left In: -6.007 ± 0.954 $\chi^2/\text{NDF}: 229.9/14$

25.964 ± 0.599 $\chi^2/\text{NDF}: 2553.1/32$

11.813 ± 0.600 $\chi^2/\text{NDF}: 958.8/33$

diff_bpm0l01Y_rms vs slug



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

Left Out: 2754.981+/-0.721 χ^2/NDF :991511.3/14

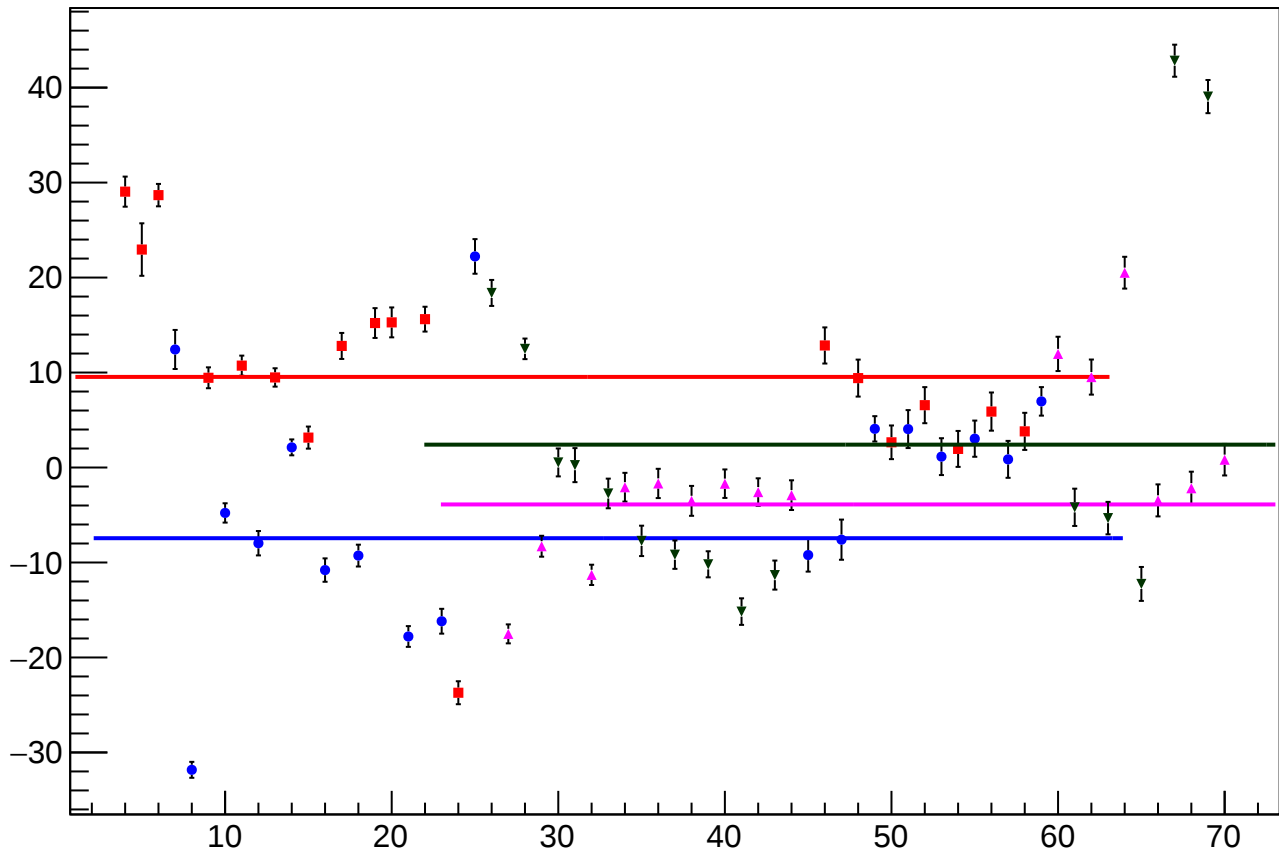
2474.313+/-0.424 χ^2/NDF : 3919740.4/32

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

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

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

diff_bpm2i01X_mean vs slug



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

Left Out: 2.408+/-0.393 χ^2/NDF :1772.6/14

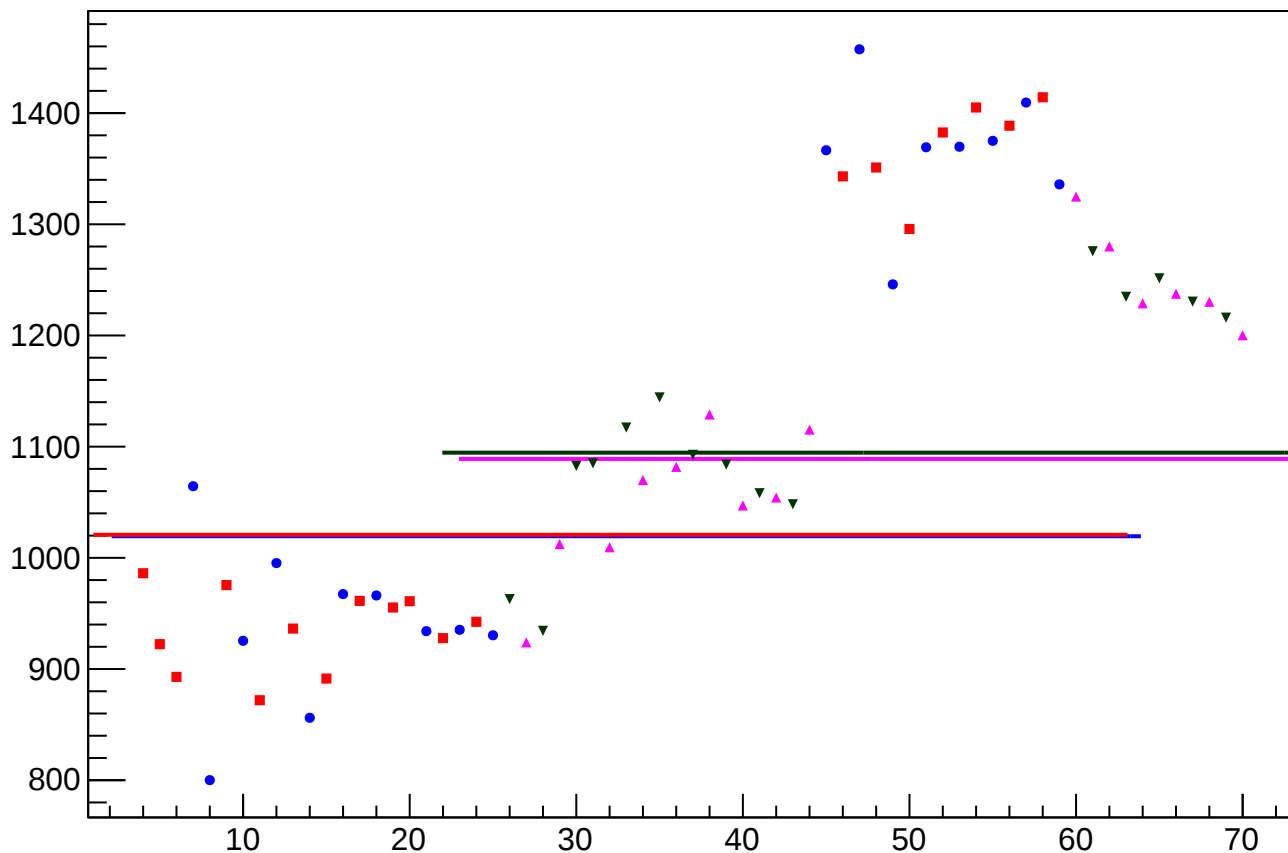
Right Out: 9.540+/-0.328 χ^2/NDF : 1327.8/18

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

-3.666+/-0.243 χ^2/NDF : 3913.7/32

3.644+/-0.245 χ^2/NDF : 2673.5/33

diff_bpm2i01X_rms vs slug



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

Left Out: 1094.609 $\pm$ 0.278 χ^2 /NDF:136685.3/14

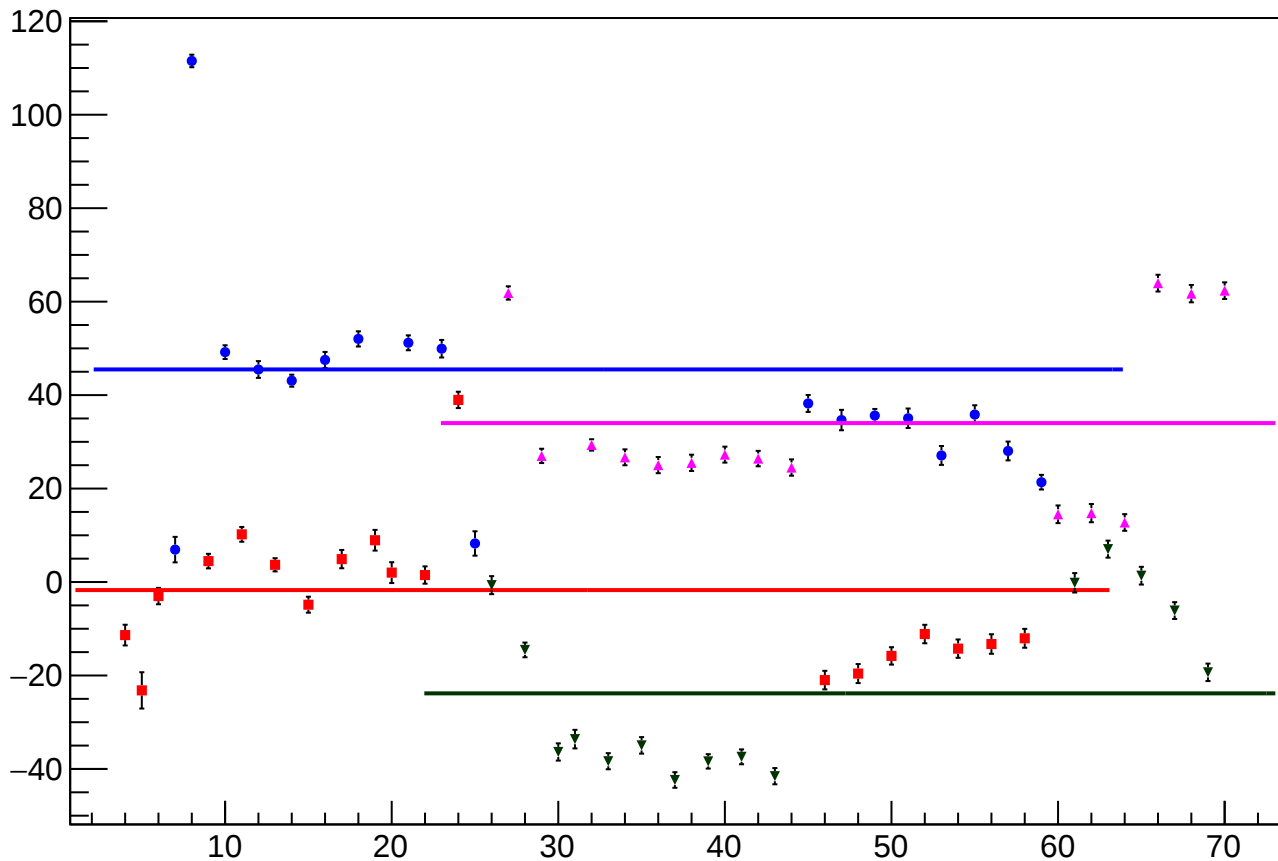
Right Out: 1020.749 $\pm$ 0.232 χ^2 /NDF: 605072.5/18

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

1048.250 $\pm$ 0.172 χ^2 /NDF: 1034687.5/32

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

diff_bpm2i01Y_mean vs slug



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

Left Out: -23.826+/-0.457 χ^2/NDF : 1445.0/14

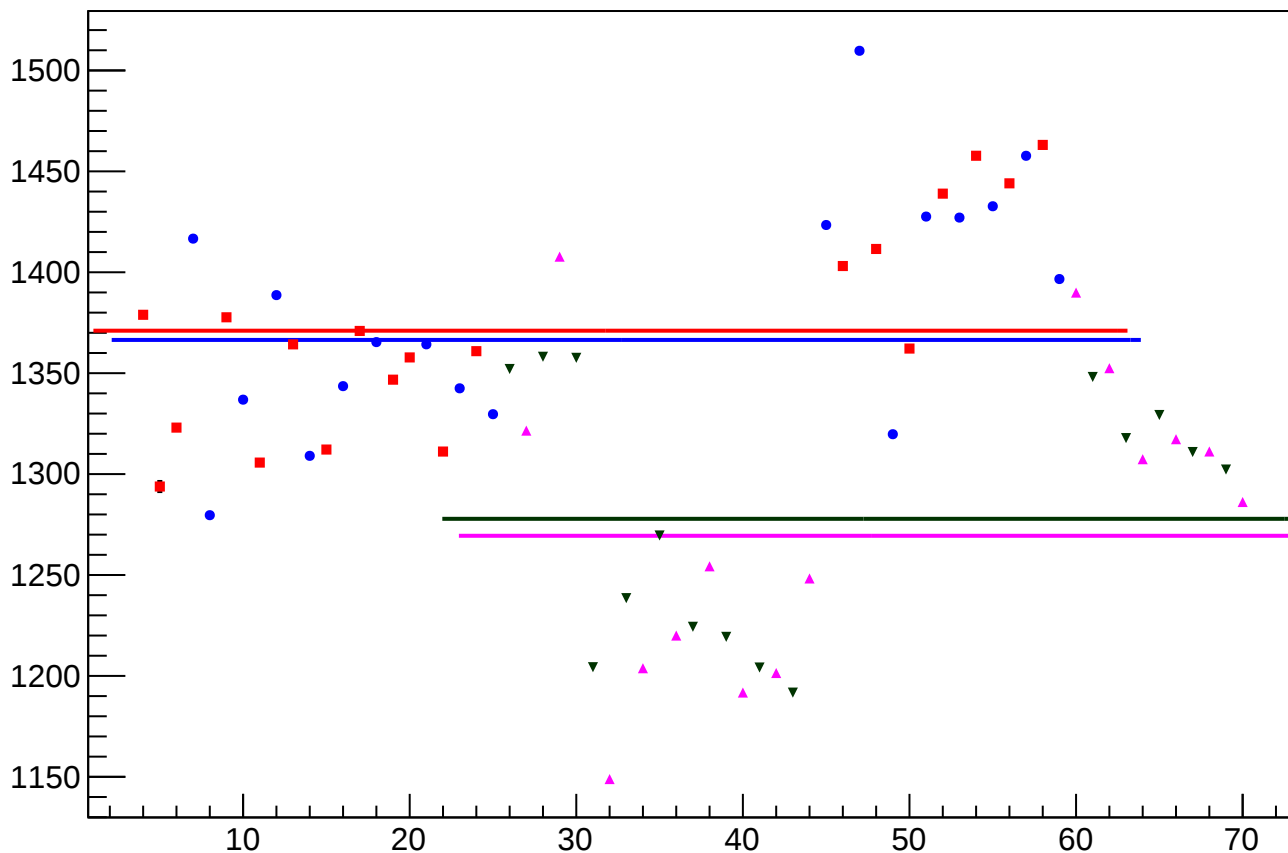
Right Out: -1.724+/-0.434 χ^2/NDF : 1071.7/18

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

14.766+/-0.304 χ^2/NDF : 17648.0/32

16.316+/-0.305 χ^2/NDF : 6148.3/33

diff_bpm2i01Y_rms vs slug



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

Left Out: 1277.837 $\pm$ 0.323 χ^2 /NDF:35595.0/14

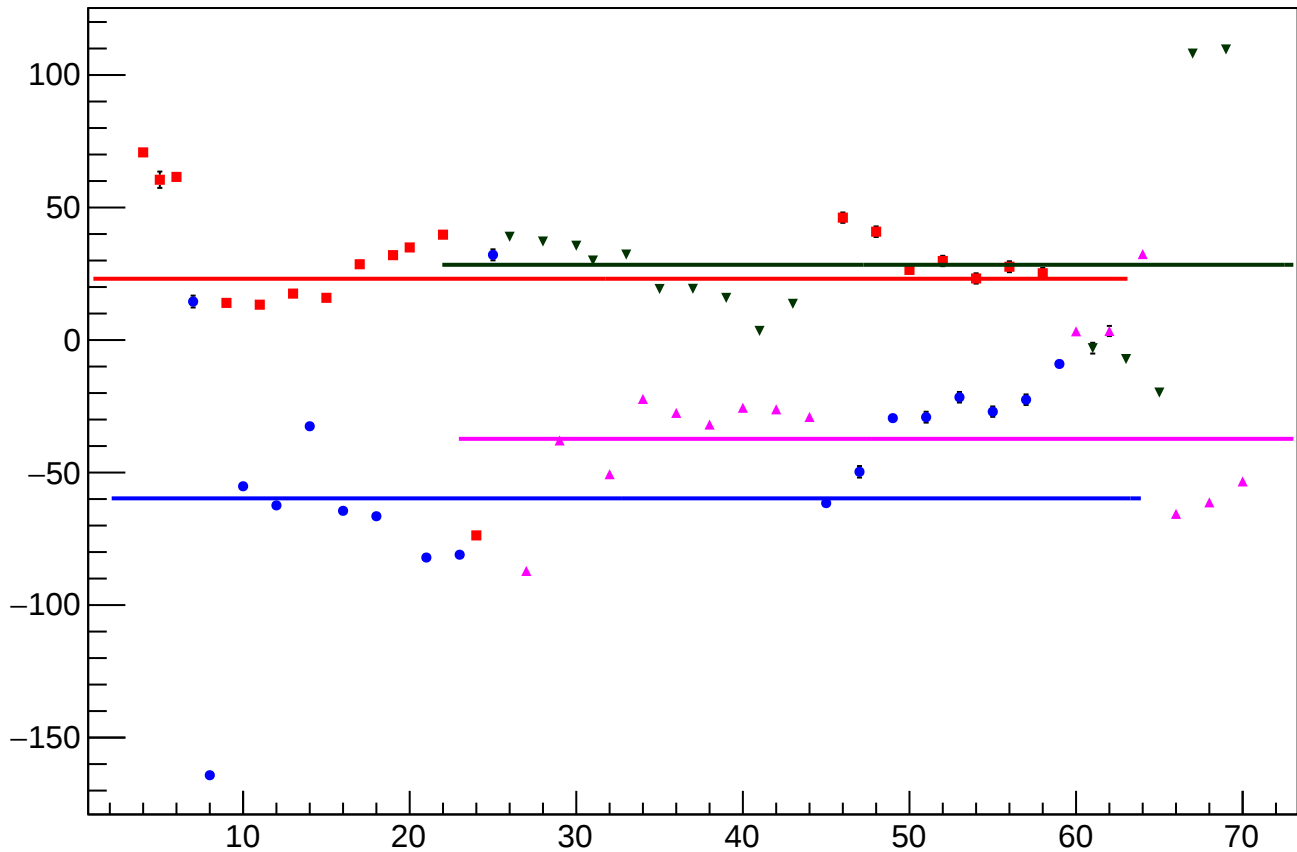
Right Out: 1371.055 $\pm$ 0.307 χ^2 /NDF: 24860.5/18

Left In: 1269.434 $\pm$ 0.304 χ^2 /NDF:66545.3/14

1327.182 $\pm$ 0.215 χ^2 /NDF: 116083.2/32

1319.759 $\pm$ 0.216 χ^2 /NDF: 146771.6/33

diff_bpm2i02X_mean vs slug



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

Left Out: 28.393+/-0.410 χ^2/NDF :6098.8/14

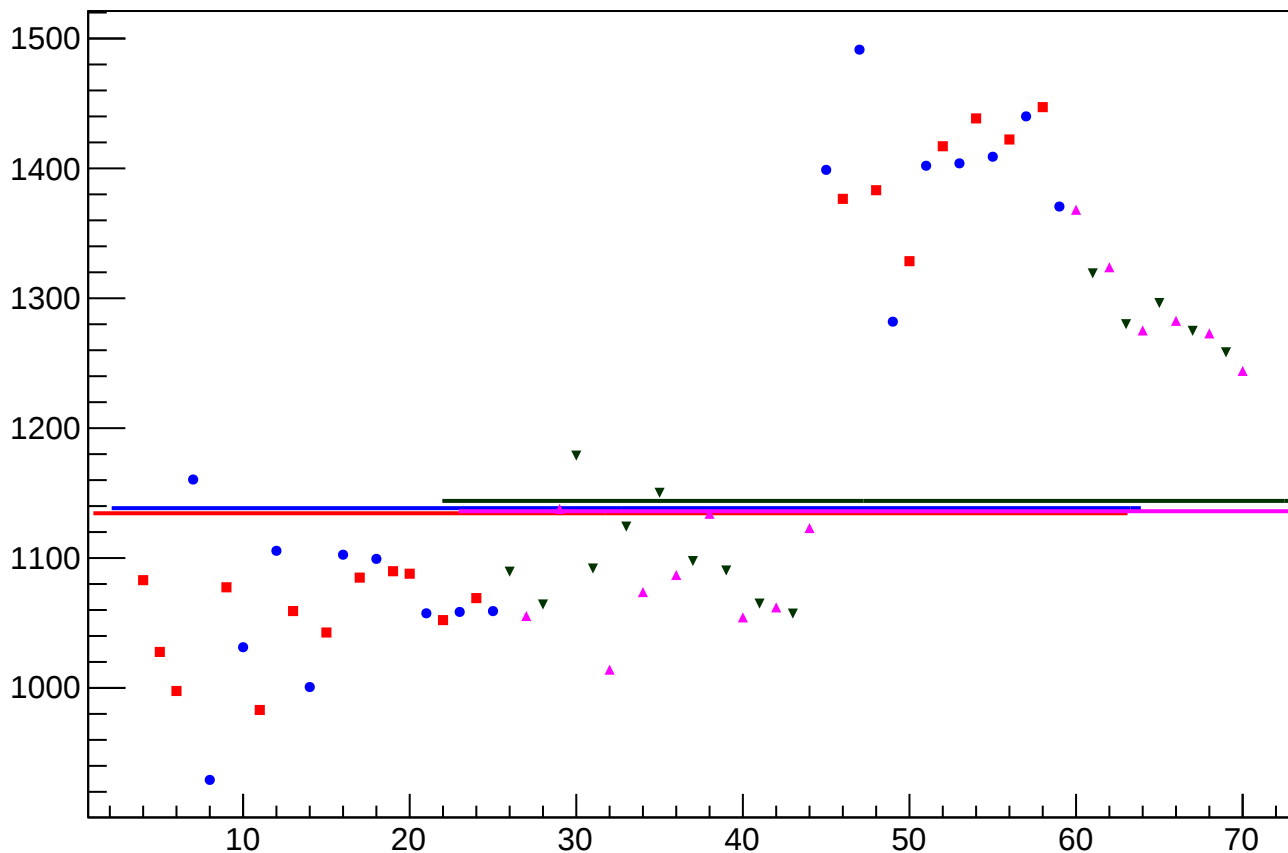
Right Out: 23.126+/-0.362 χ^2/NDF : 7355.2/18

Left In: -37.281+/-0.386 χ^2/NDF :5423.8/14

-23.445+/-0.263 χ^2/NDF : 52024.0/32

-5.140+/-0.264 χ^2/NDF : 25823.0/33

diff_bpm2i02X_rms vs slug



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

Left Out: 1143.995+/-0.290 χ^2/NDF : 90849.6/14

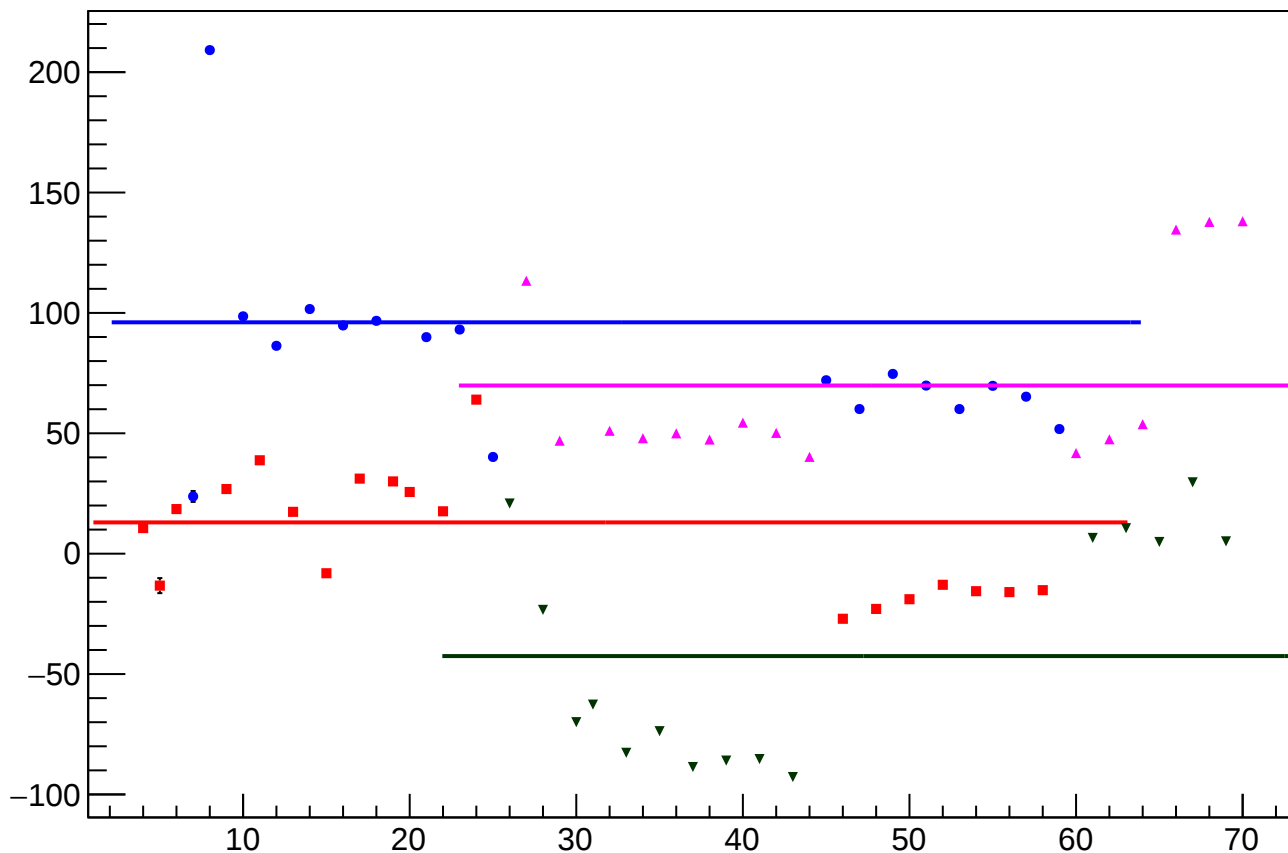
Right Out: 1134.479+/-0.256 χ^2/NDF : 360721.2/18

Left In: 1136.062+/-0.273 χ^2/NDF : 149036.2/14

1140.710+/-0.186 χ^2/NDF : 579143.3/32

1135.220+/-0.187 χ^2/NDF : 509775.3/33

diff_bpm2i02Y_mean vs slug



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

Left Out: -42.530 $\pm$ 0.407 χ^2 /NDF:12161.7/14

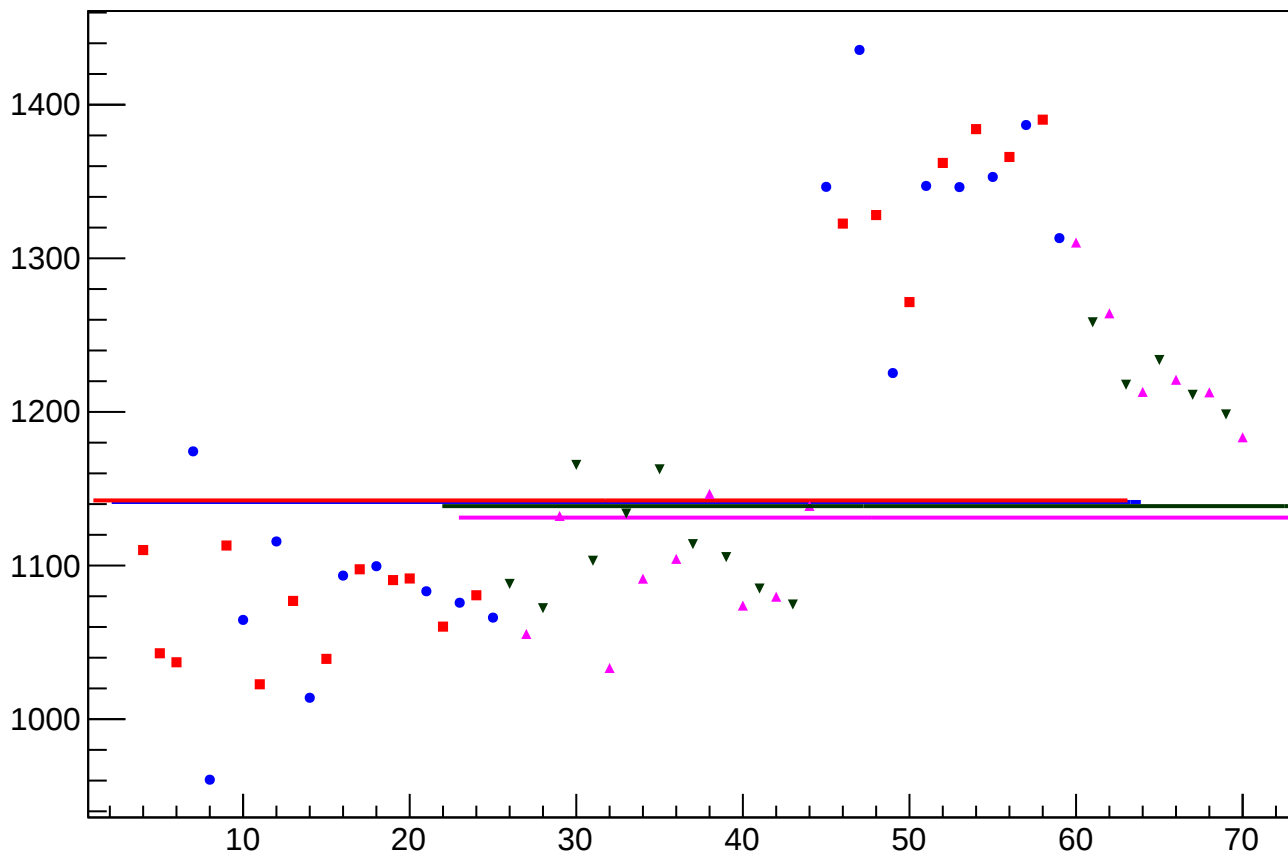
Right Out: 12.992 $\pm$ 0.363 χ^2 /NDF: 4541.3/18

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

38.633 $\pm$ 0.262 χ^2 /NDF: 97034.7/32

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

diff_bpm2i02Y_rms vs slug



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

Left Out: 1138.675 $\pm$ 0.288 χ^2 /NDF:41537.6/14

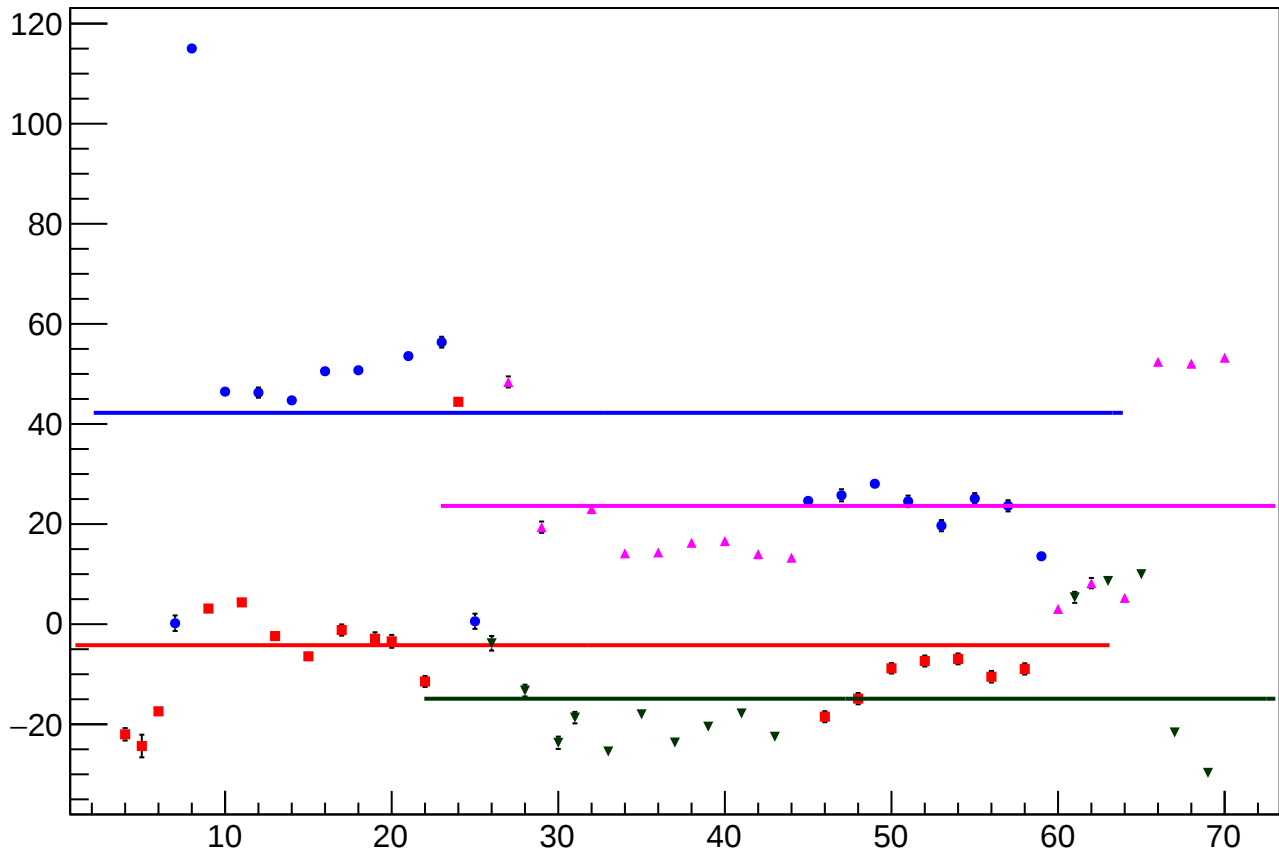
Right Out: 1142.390 $\pm$ 0.257 χ^2 /NDF: 236212.3/18

Left In: 1131.211 $\pm$ 0.271 χ^2 /NDF:80189.4/14

1140.258 $\pm$ 0.186 χ^2 /NDF: 370895.6/32

1137.101 $\pm$ 0.186 χ^2 /NDF: 317297.7/33

diff_bpm1i04X_mean vs slug



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

Left Out: -14.891+/-0.265 χ^2/NDF : 2274.4/14

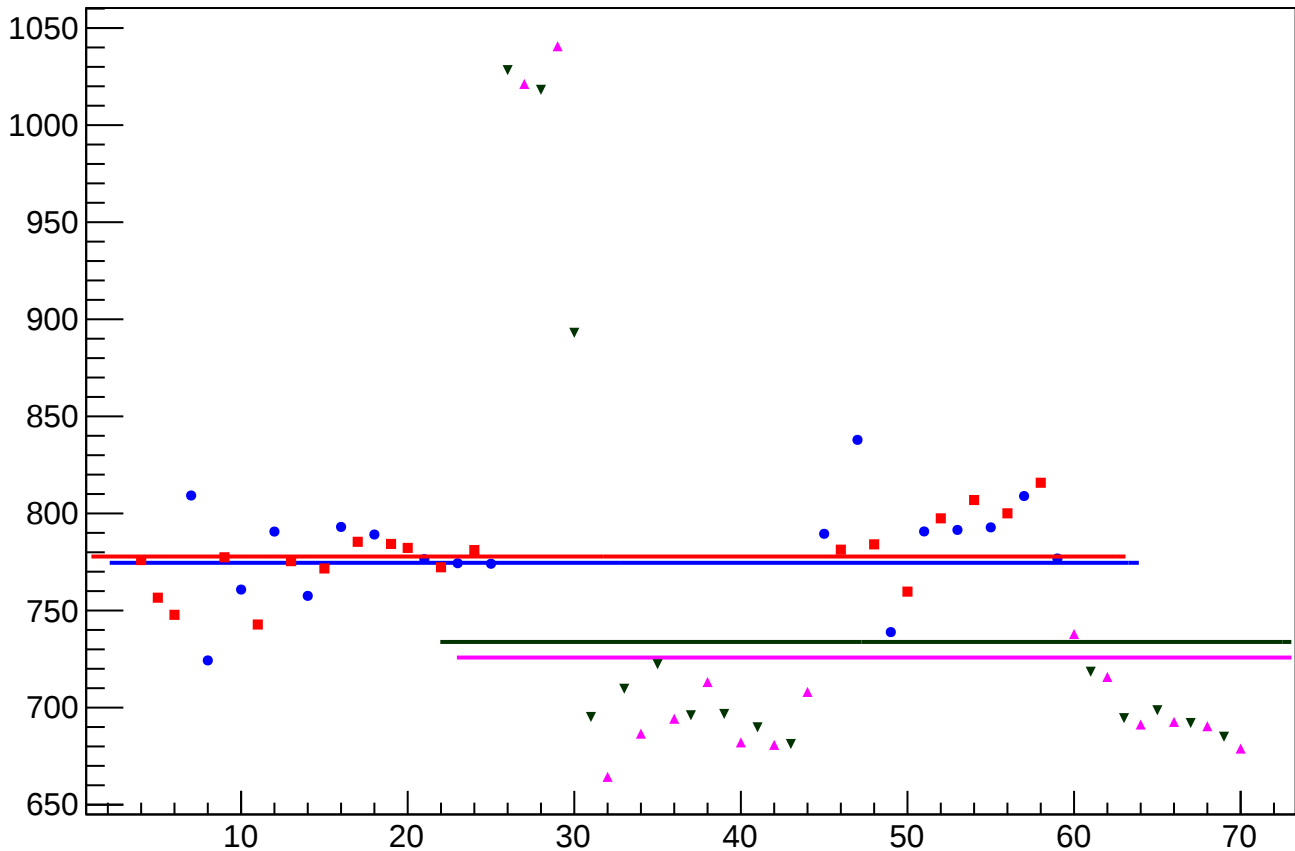
Right Out: -4.198+/-0.246 χ^2/NDF : 3378.3/18

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

17.544+/-0.174 χ^2/NDF : 43023.0/32

9.612+/-0.174 χ^2/NDF : 14561.3/33

diff_bpm1i04X_rms vs slug



Right In: 774.583 $\pm$ 0.163 χ^2 /NDF: 26360.5/17

Left Out: 733.820 $\pm$ 0.187 χ^2 /NDF: 267109.9/14

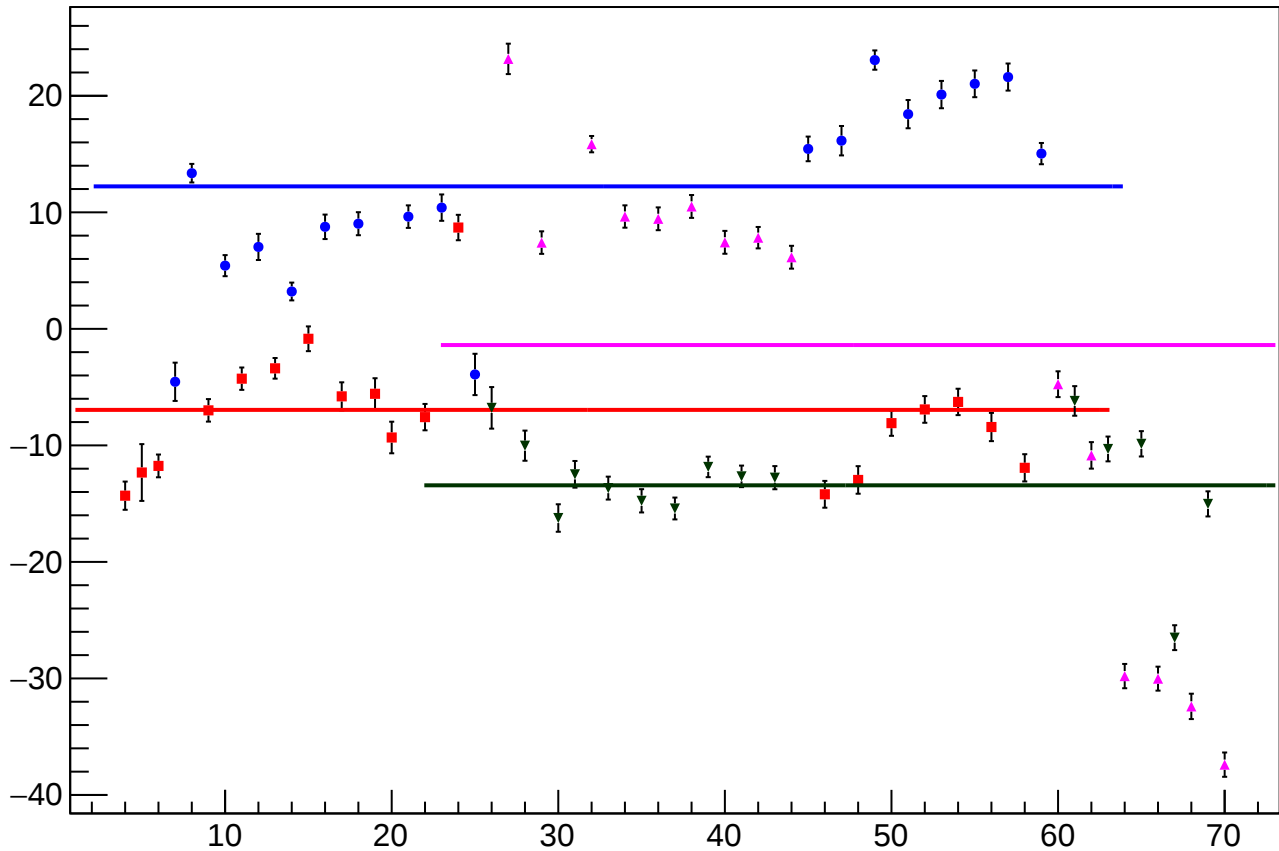
Right Out: 777.816 $\pm$ 0.174 χ^2 /NDF: 11180.5/18

Left In: 725.787 $\pm$ 0.175 χ^2 /NDF: 342654.5/14

756.965 $\pm$ 0.123 χ^2 /NDF: 320413.1/32

751.996 $\pm$ 0.123 χ^2 /NDF: 398314.7/33

diff_bpm1i04Y_mean vs slug



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

Left Out: -13.427 ± 0.276 χ^2/NDF : 241.9/14

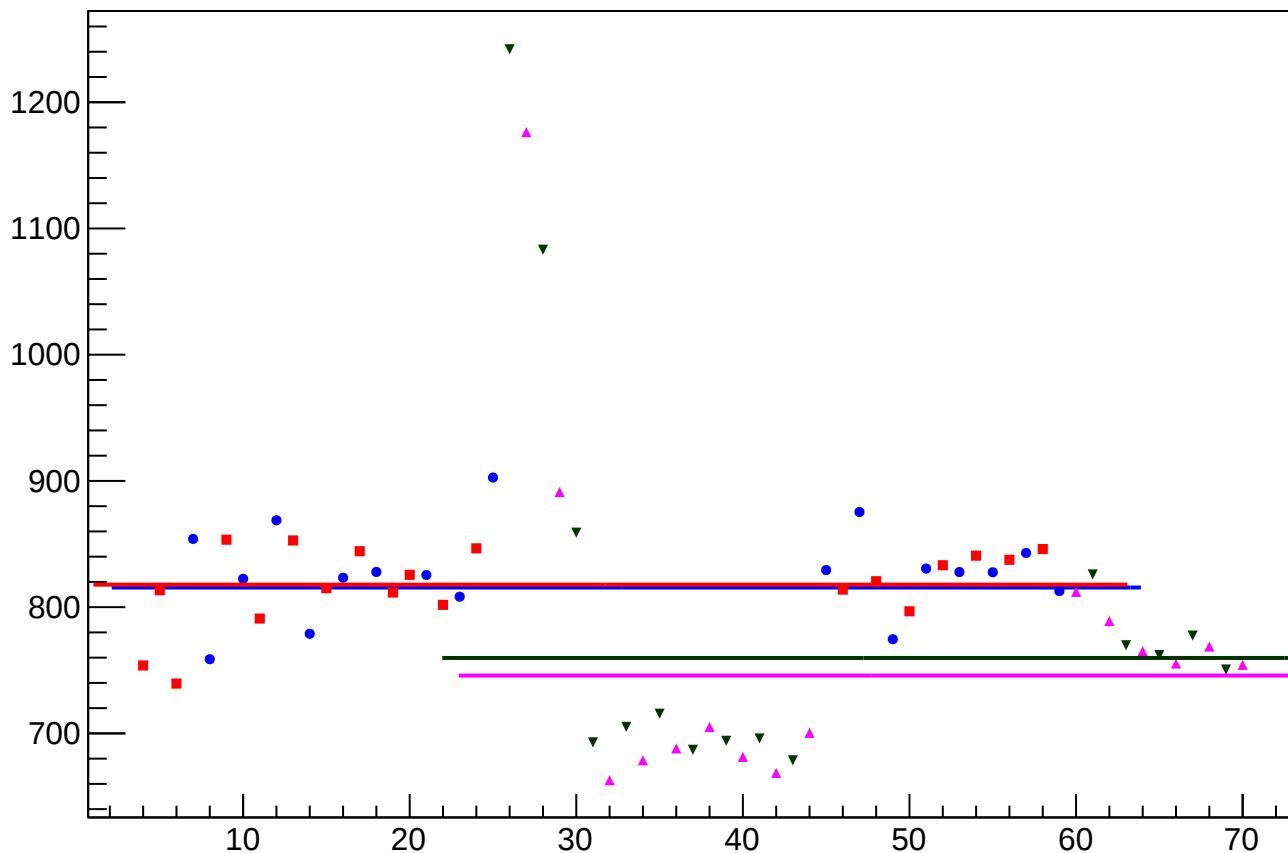
Right Out: -6.954 ± 0.259 χ^2/NDF : 420.8/18

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

0.999 ± 0.183 χ^2/NDF : 5932.7/32

-4.131 ± 0.182 χ^2/NDF : 5936.7/33

diff_bpm1i04Y_rms vs slug



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

Left Out: 759.753+/-0.195 χ^2/NDF : 354562.7/14

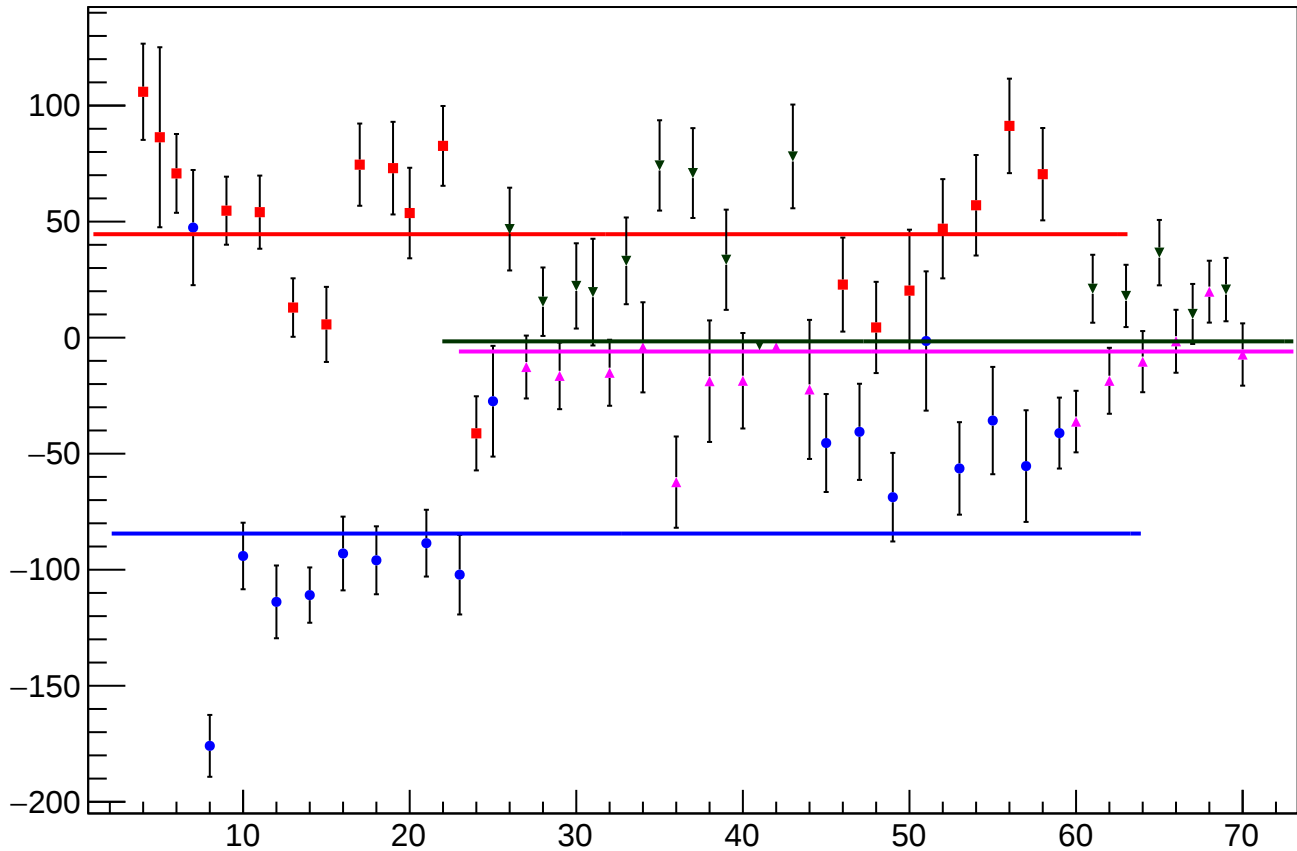
Right Out: 817.840+/-0.183 χ^2/NDF : 32410.2/18

Left In: 745.803+/-0.181 χ^2/NDF : 349885.4/14

791.144+/-0.129 χ^2/NDF : 438206.3/32

781.298+/-0.129 χ^2/NDF : 460746.6/33

diff_bpm0l02X_mean vs slug



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

Left Out: -1.601 ± 0.960 $\chi^2/\text{NDF}: 77.4/14$

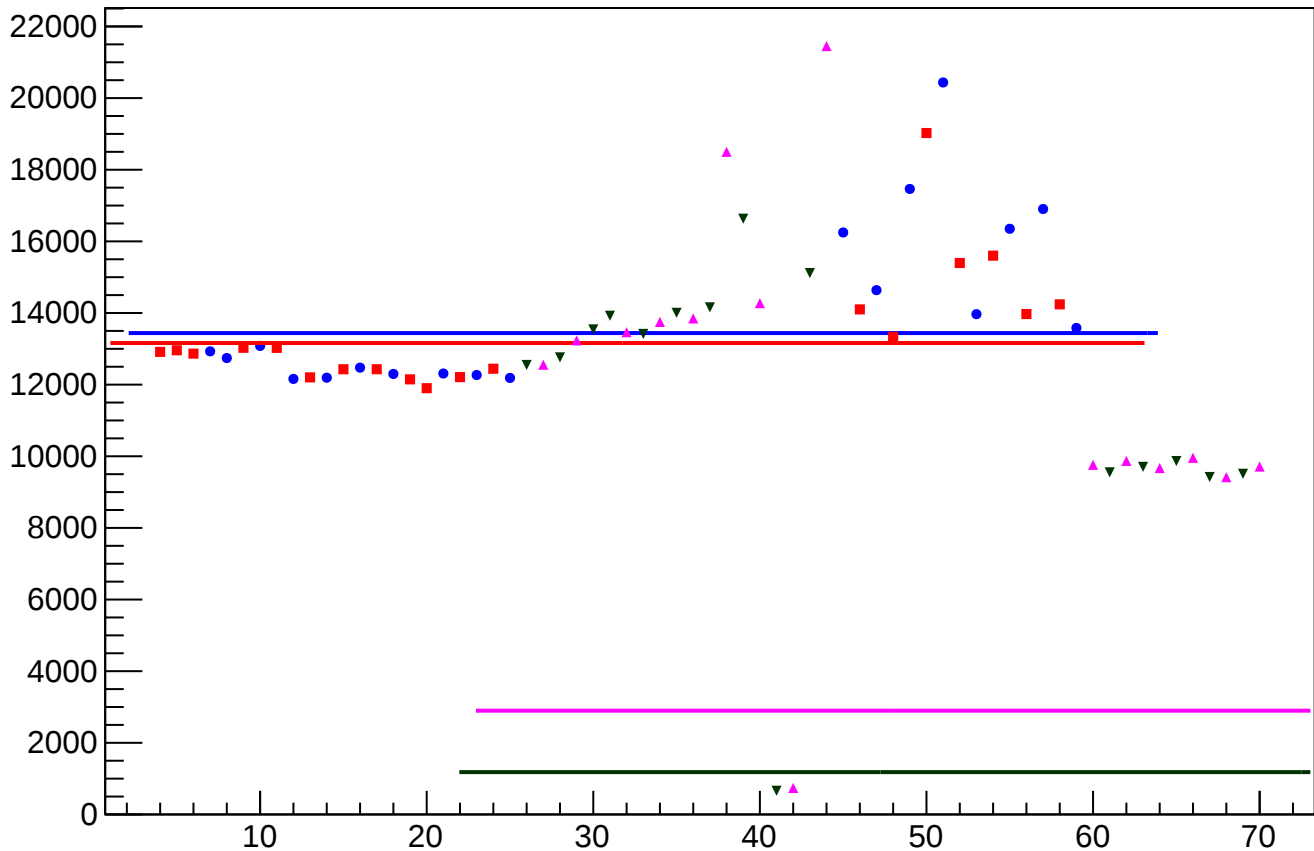
Right Out: 44.573 ± 4.203 $\chi^2/\text{NDF}: 77.6/18$

Left In: -5.973 ± 1.845 $\chi^2/\text{NDF}: 21.0/14$

-5.984 ± 0.934 $\chi^2/\text{NDF}: 595.5/32$

2.194 ± 1.689 $\chi^2/\text{NDF}: 219.9/33$

diff_bpm0l02X_rms vs slug



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

Left Out: 1182.287+/-0.679 χ^2/NDF :12329576.3/14

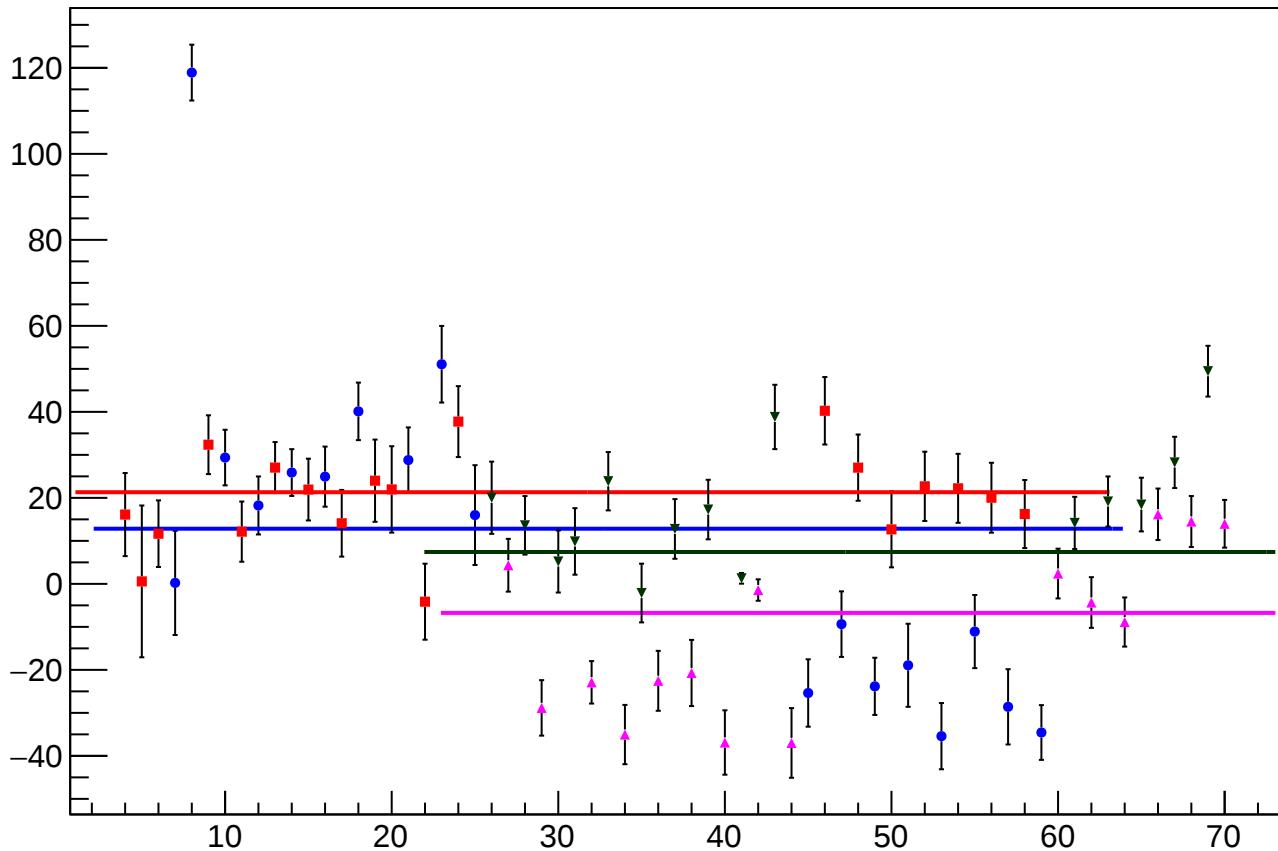
Right Out: 13162.769+/-2.972 χ^2/NDF : 204436.9/18

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

1831.131+/-0.660 χ^2/NDF : 30000135.3/32

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

diff_bpm0l02Y_mean vs slug



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

Left Out: 7.416 ± 1.022 χ^2/NDF : 126.8/14

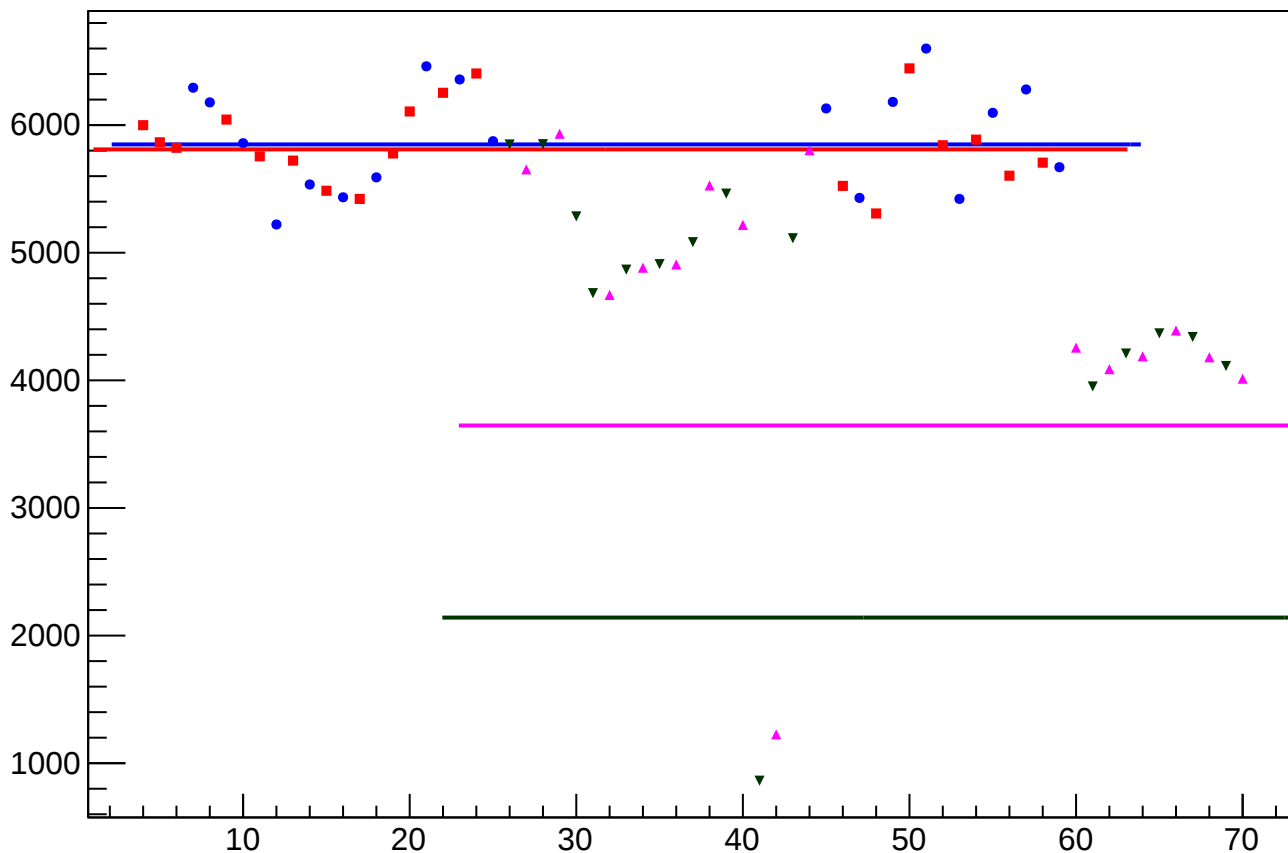
Right Out: 21.314 ± 1.847 χ^2/NDF : 29.5/18

Left In: -6.754 ± 1.383 χ^2/NDF : 129.9/14

8.789 ± 0.883 χ^2/NDF : 655.7/32

3.333 ± 1.107 χ^2/NDF : 307.3/33

diff_bpm0l02Y_rms vs slug



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

Left Out: 2141.148+/-0.723 χ^2/NDF : 6651125.8/14

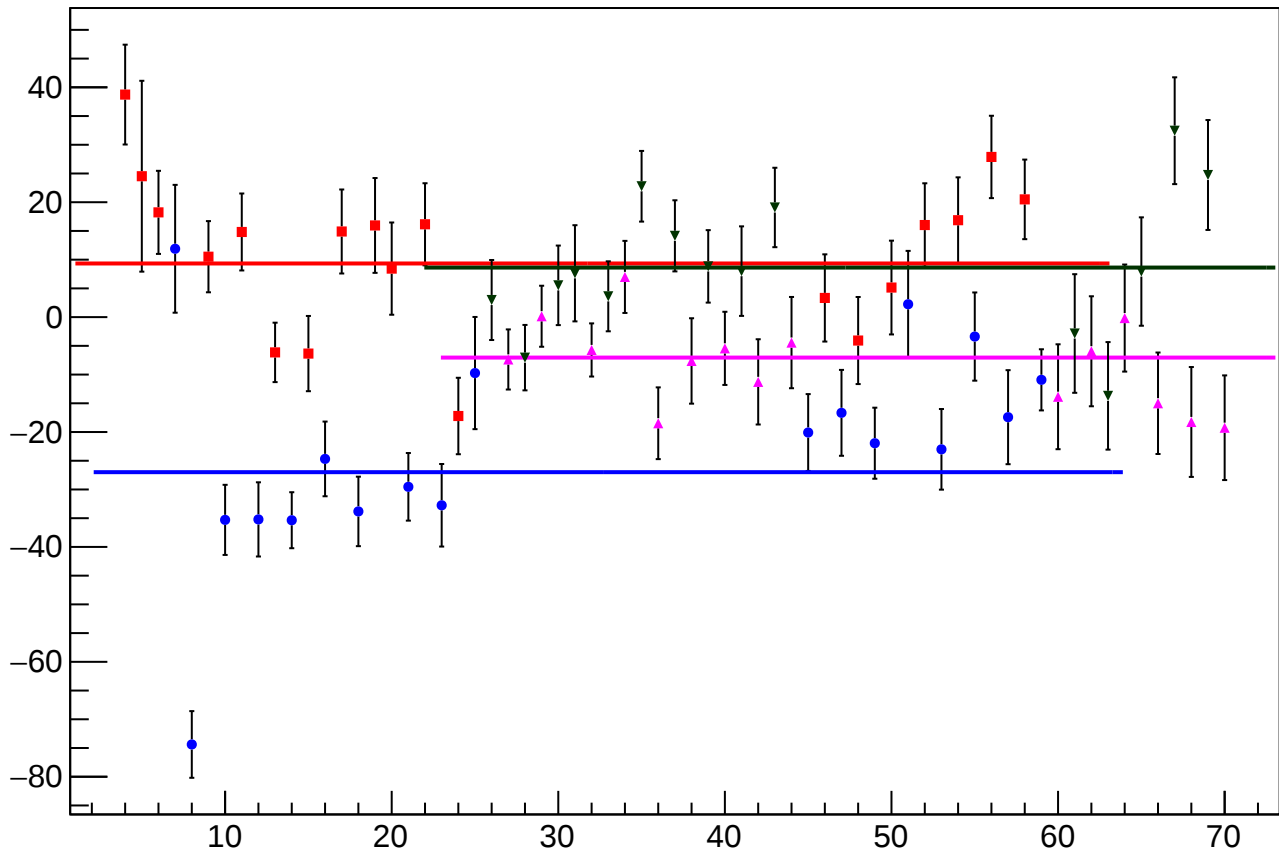
Right Out: 5809.767+/-1.306 χ^2/NDF : 53321.4/18

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

3081.932+/-0.624 χ^2/NDF : 13433098.6/32

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

diff_bpm0l03X_mean vs slug



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

Left Out: 8.625 ± 1.879 $\chi^2/\text{NDF}: 33.9/14$

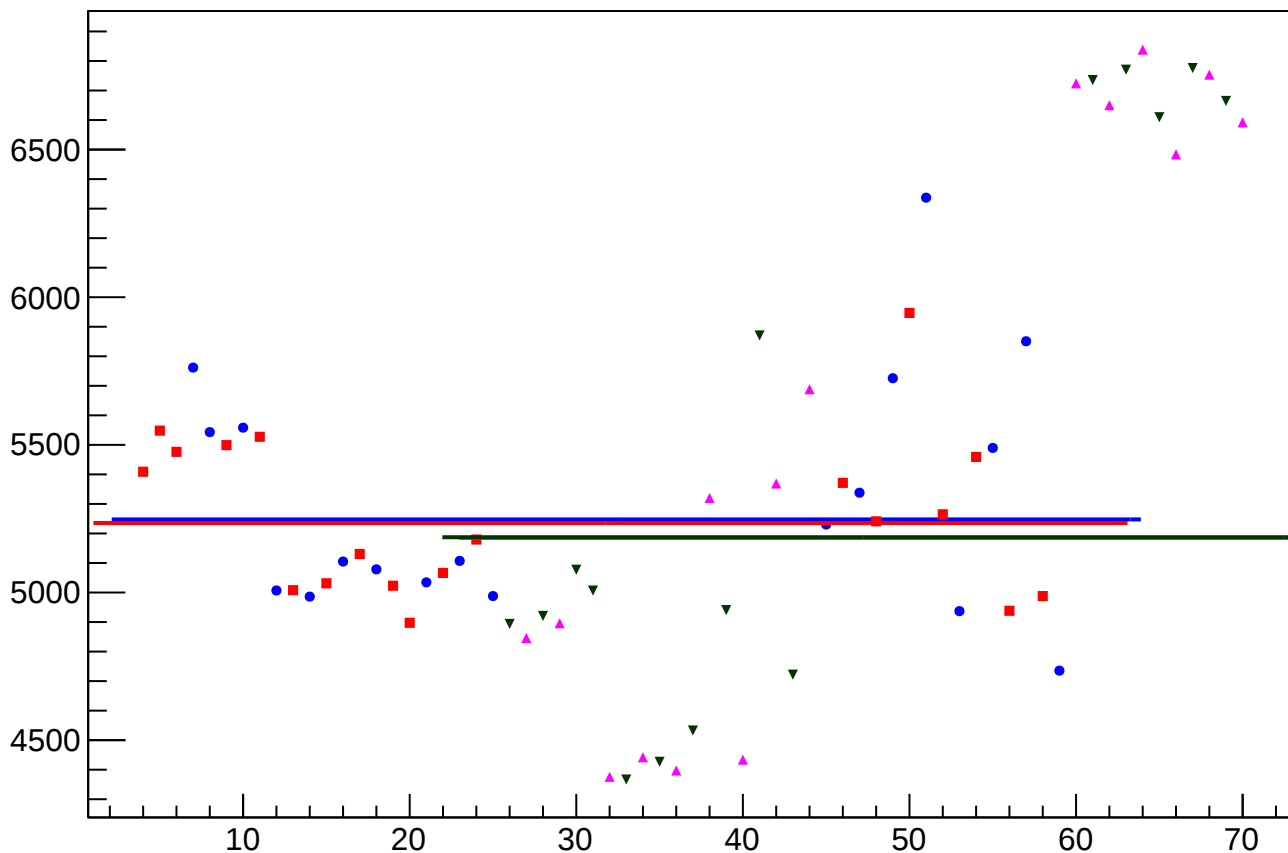
Right Out: 9.337 ± 1.659 $\chi^2/\text{NDF}: 62.4/18$

Left In: -7.043 ± 1.777 $\chi^2/\text{NDF}: 15.9/14$

-12.356 ± 1.205 $\chi^2/\text{NDF}: 369.9/32$

1.705 ± 1.213 $\chi^2/\text{NDF}: 123.7/33$

diff_bpm0l03X_rms vs slug



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

Left Out: 5187.158+/-1.329 χ^2/NDF : 379923.1/14

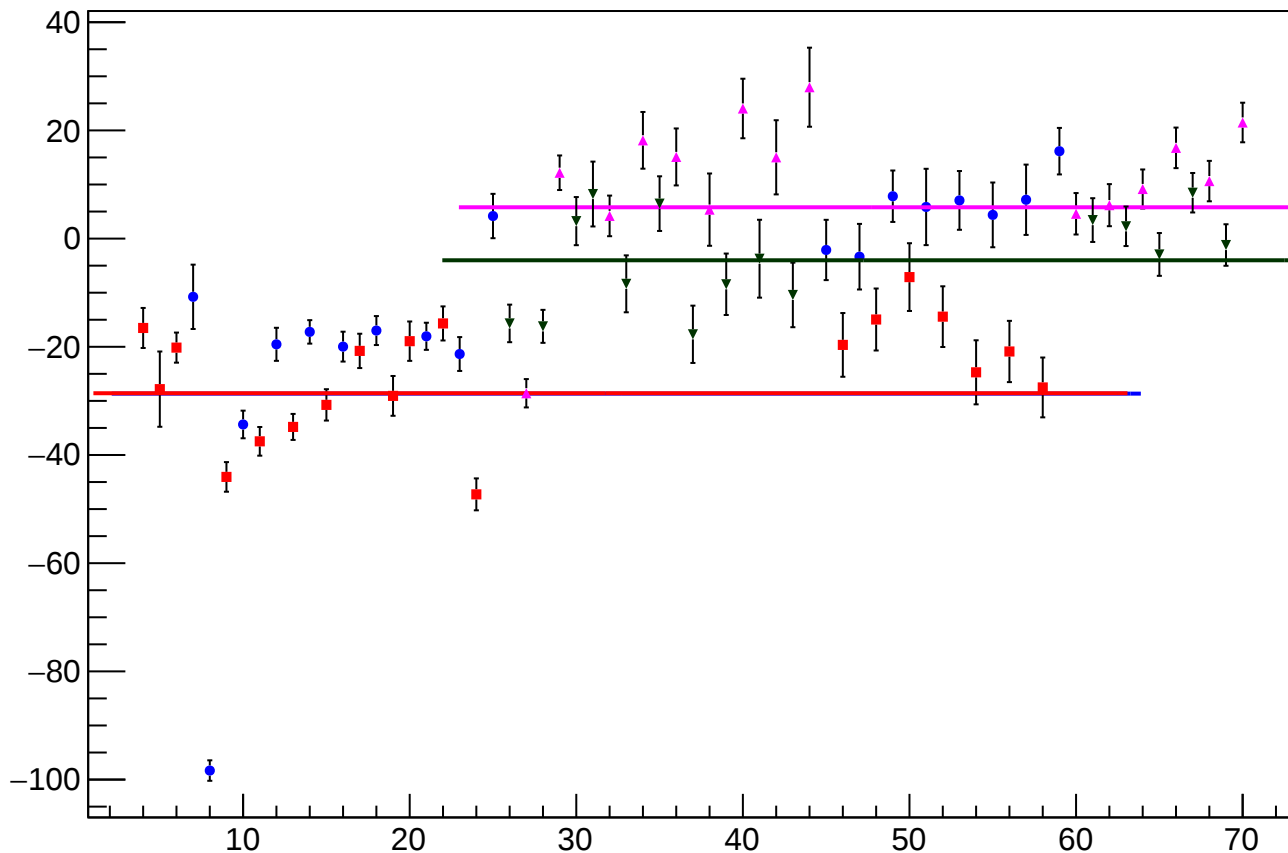
Right Out: 5235.469+/-1.173 χ^2/NDF : 47165.0/18

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

5222.749+/-0.852 χ^2/NDF : 486770.1/32

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

diff_bpm0l03Y_mean vs slug



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

Left Out: -4.007 $\pm$ 1.117 χ^2 /NDF: 66.3/14

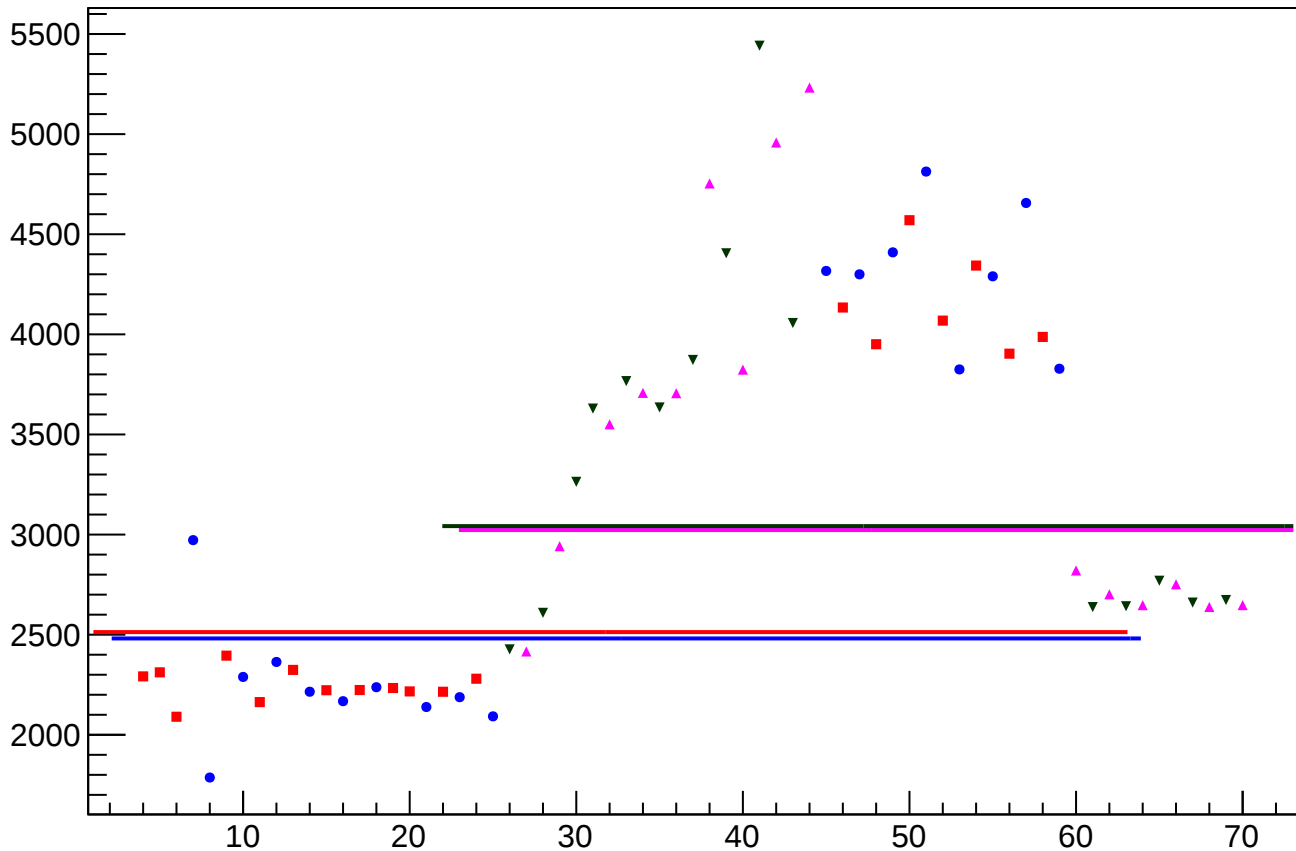
Right Out: -28.584 $\pm$ 0.826 χ^2 /NDF: 168.7/18

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

-20.550 $\pm$ 0.641 χ^2 /NDF: 2250.5/32

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

diff_bpm0l03Y_rms vs slug



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

Left Out: 3042.231 $\pm$ 0.790 χ^2 /NDF: 731112.4/14

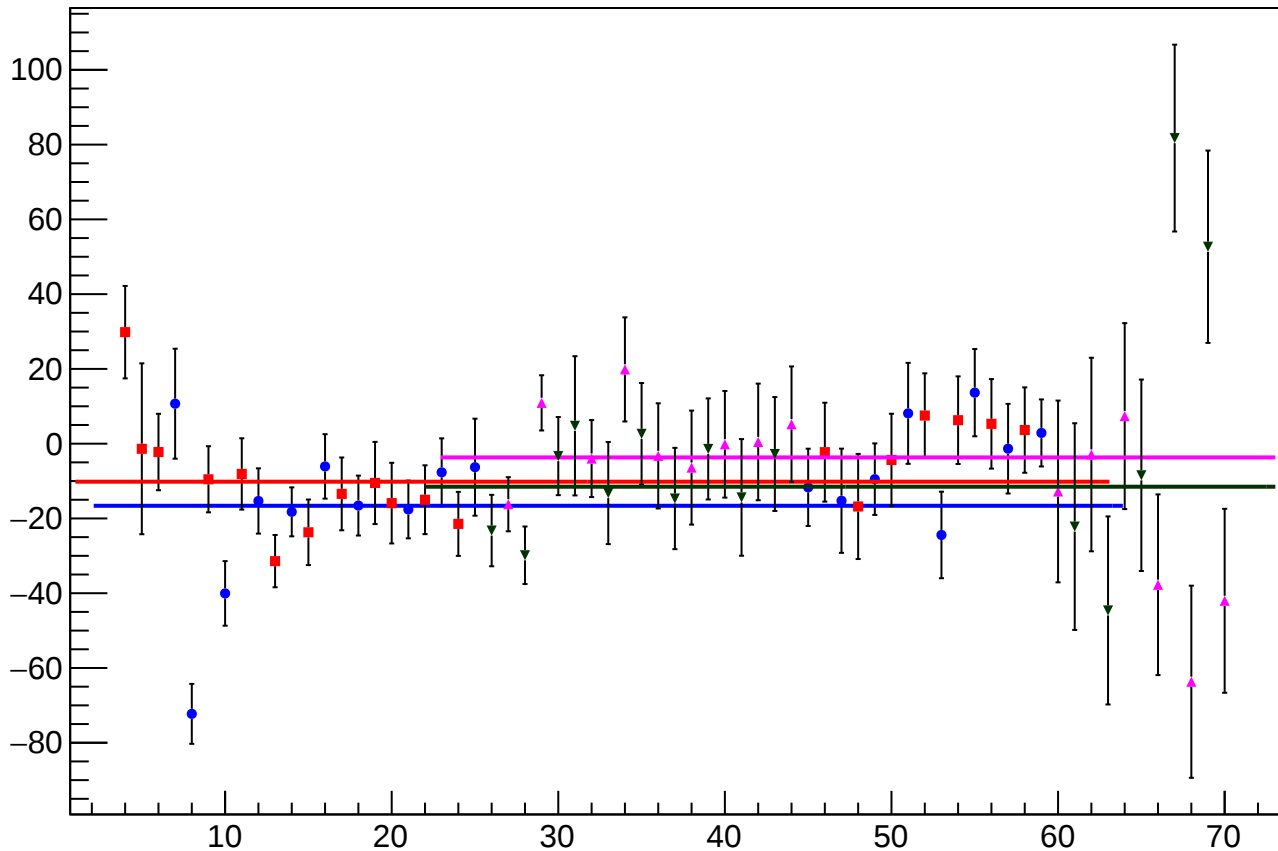
2665.711 $\pm$ 0.453 χ^2 /NDF: 3182008.8/32

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

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

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

diff_bpm0l04X_mean vs slug



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

Left Out: -11.511 ± 3.591 $\chi^2/\text{NDF}: 32.7/14$

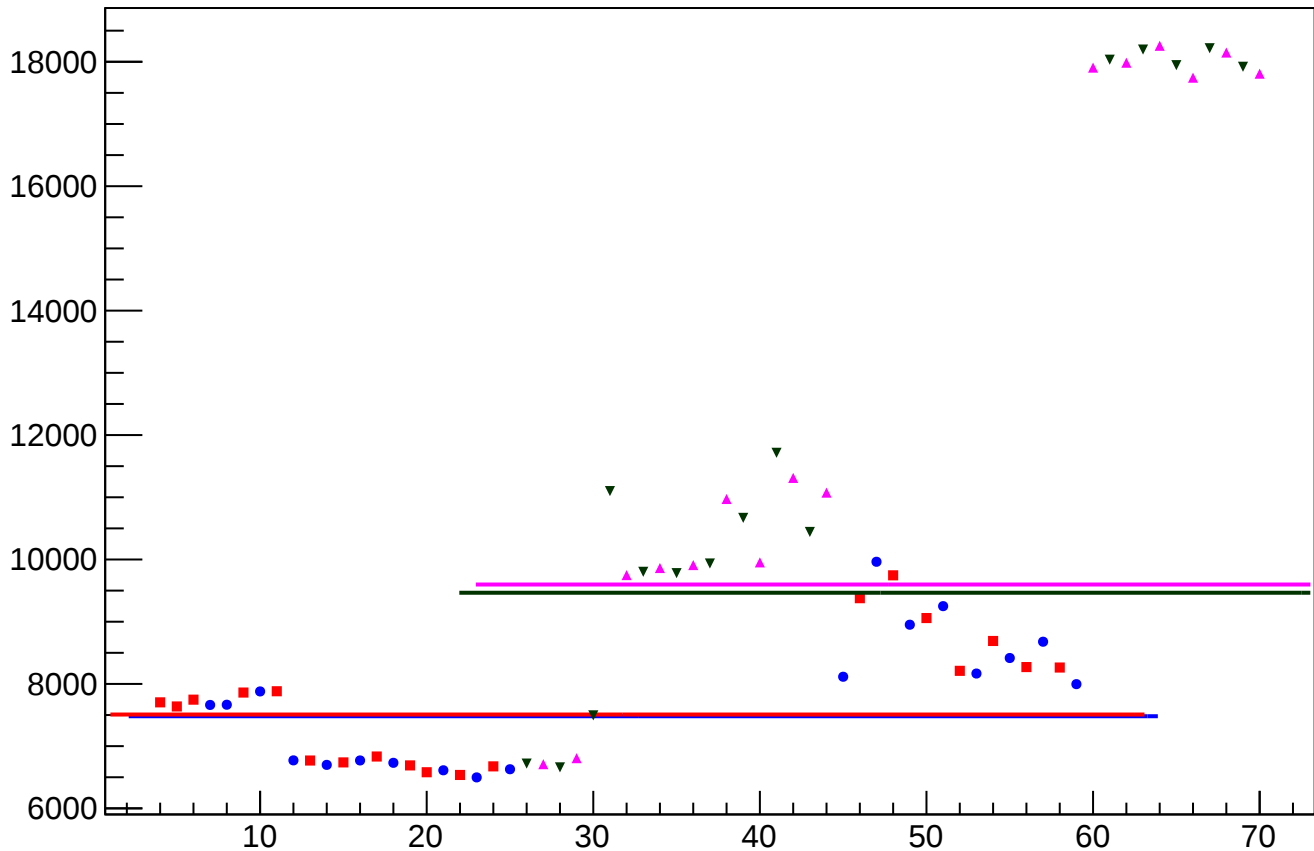
Right Out: -10.172 ± 2.389 $\chi^2/\text{NDF}: 33.7/18$

Left In: -3.673 ± 3.445 $\chi^2/\text{NDF}: 20.5/14$

-15.181 ± 1.902 $\chi^2/\text{NDF}: 114.0/32$

-8.062 ± 1.963 $\chi^2/\text{NDF}: 56.5/33$

diff_bpm0l04X_rms vs slug



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

Left Out: 9465.620+/-2.539 χ^2/NDF :1702192.6/14

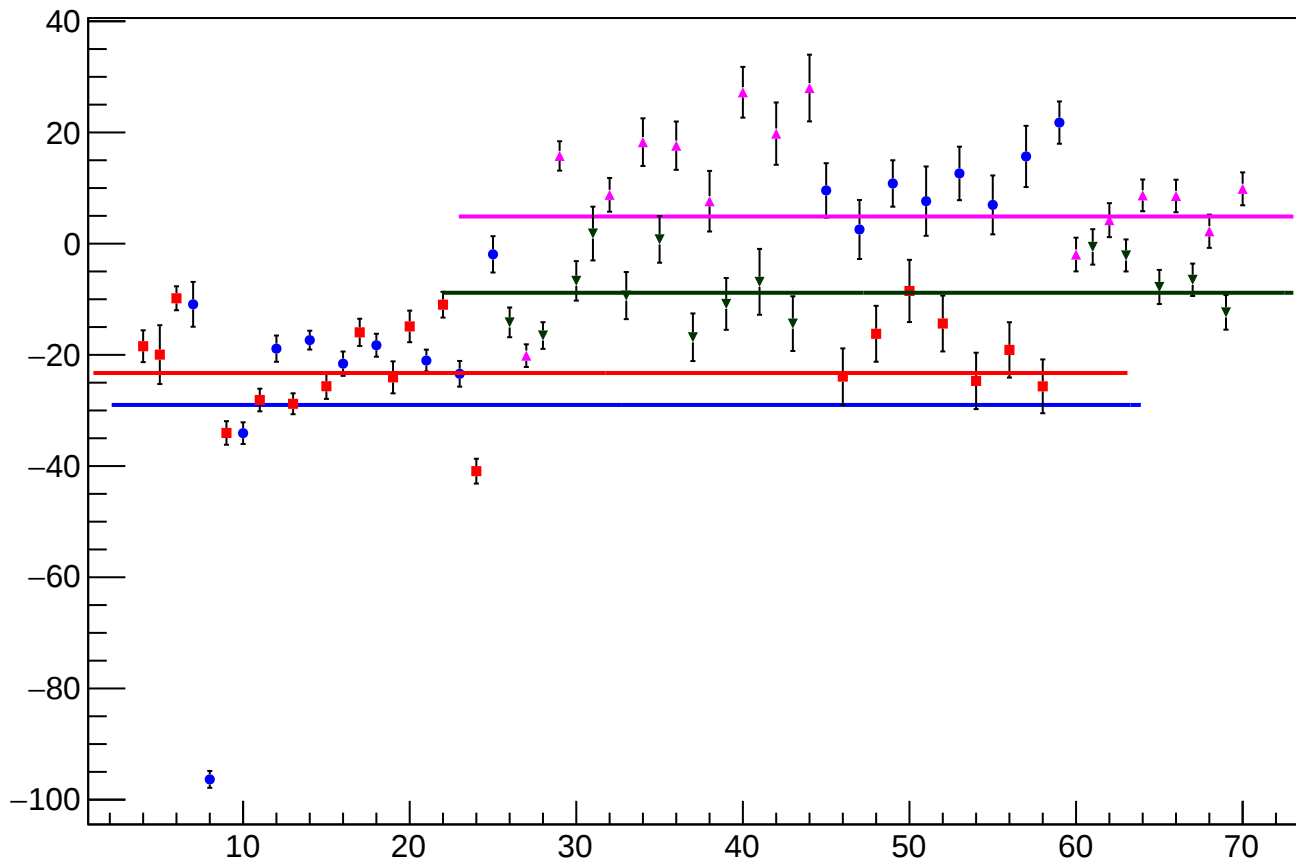
Right Out: 7508.240+/-1.689 χ^2/NDF : 289453.4/18

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

8037.325+/-1.345 χ^2/NDF : 2476746.5/32

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

diff_bpm0l04Y_mean vs slug



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

Left Out: -8.834+/-0.889 χ^2/NDF : 43.9/14

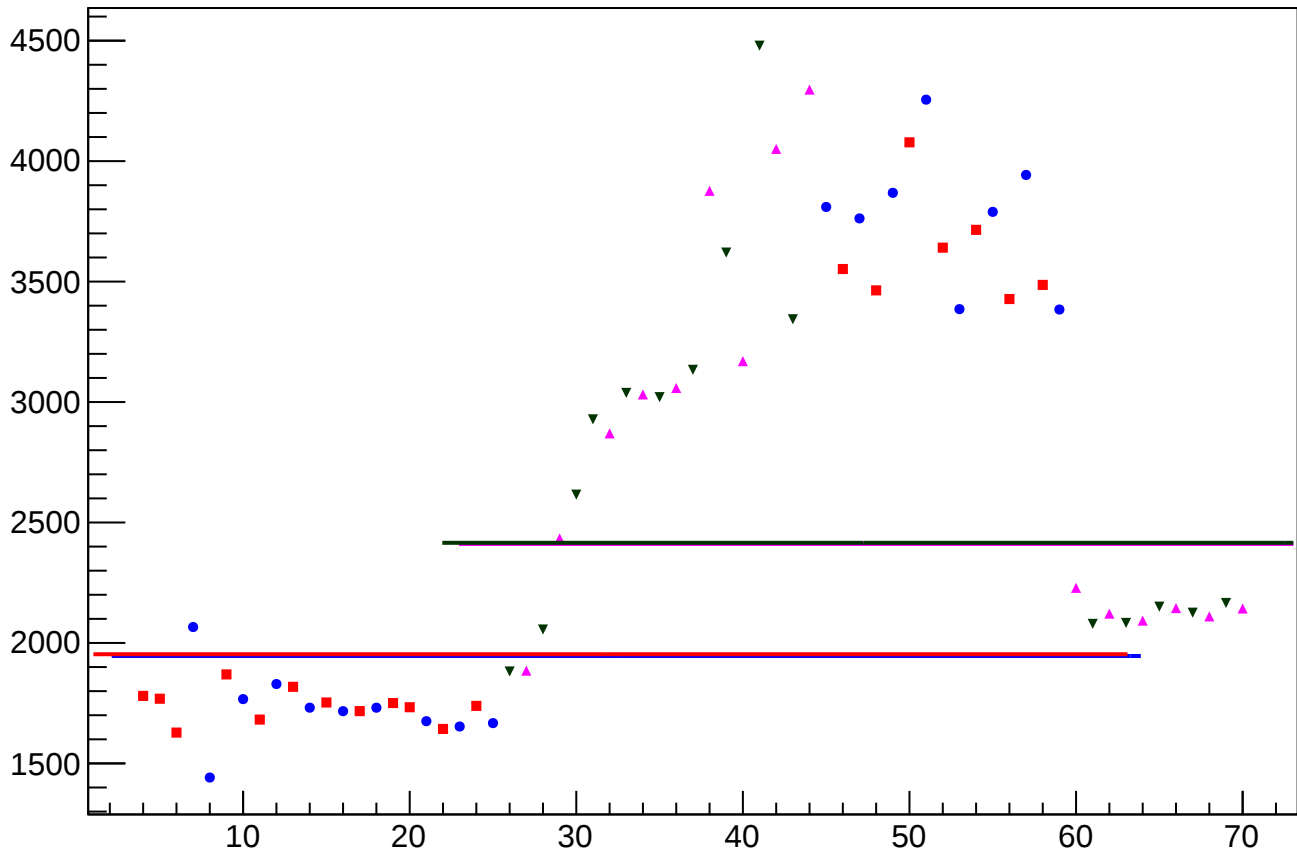
Right Out: -23.263+/-0.648 χ^2/NDF : 204.8/18

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

-22.433+/-0.508 χ^2/NDF : 3182.8/32

-12.734+/-0.513 χ^2/NDF : 1156.7/33

diff_bpm0l04Y_rms vs slug



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

Left Out: 2415.698+/-0.629 χ^2/NDF : 838434.5/14

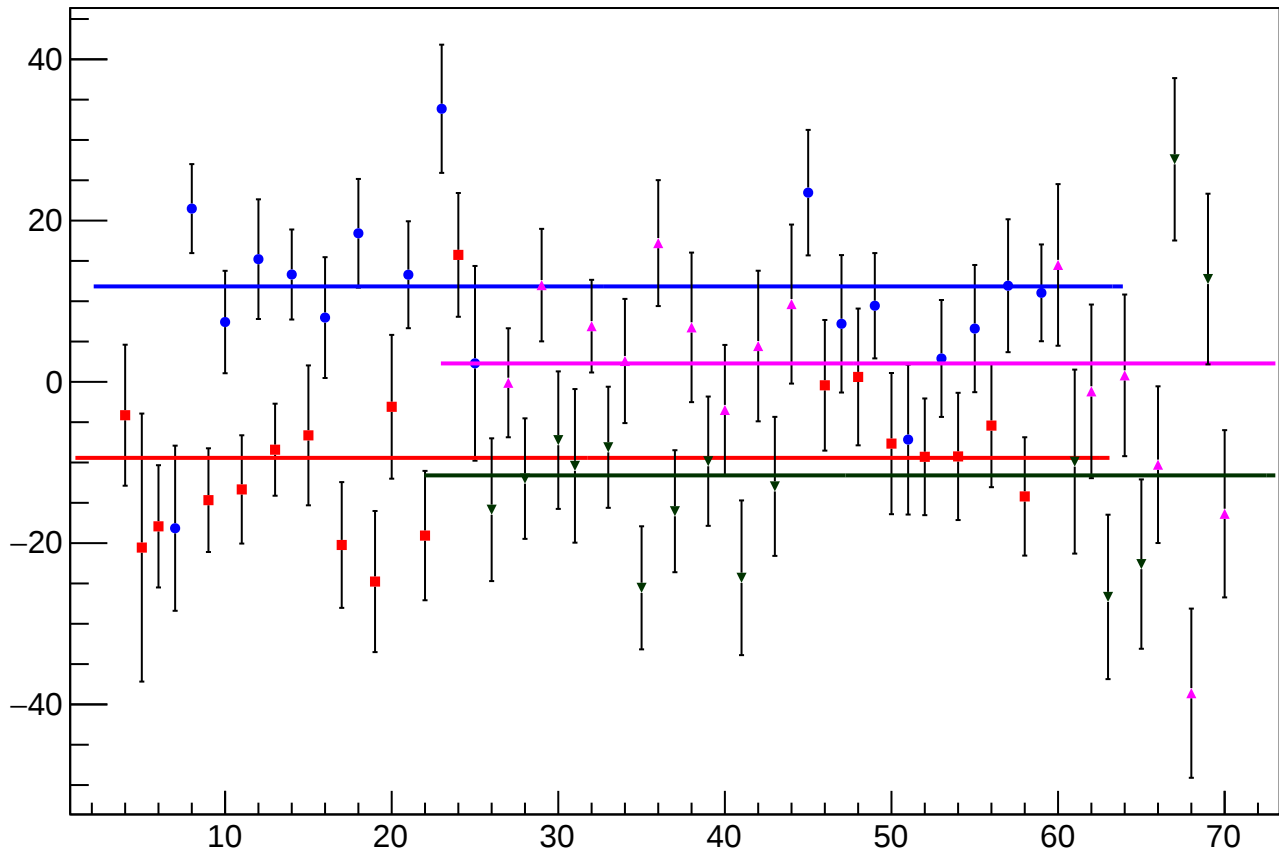
2098.967+/-0.359 χ^2/NDF : 3814218.1/32

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

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

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

diff_bpm0l05X_mean vs slug



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

Left Out: -11.598 ± 2.277 χ^2/NDF : 30.0/14

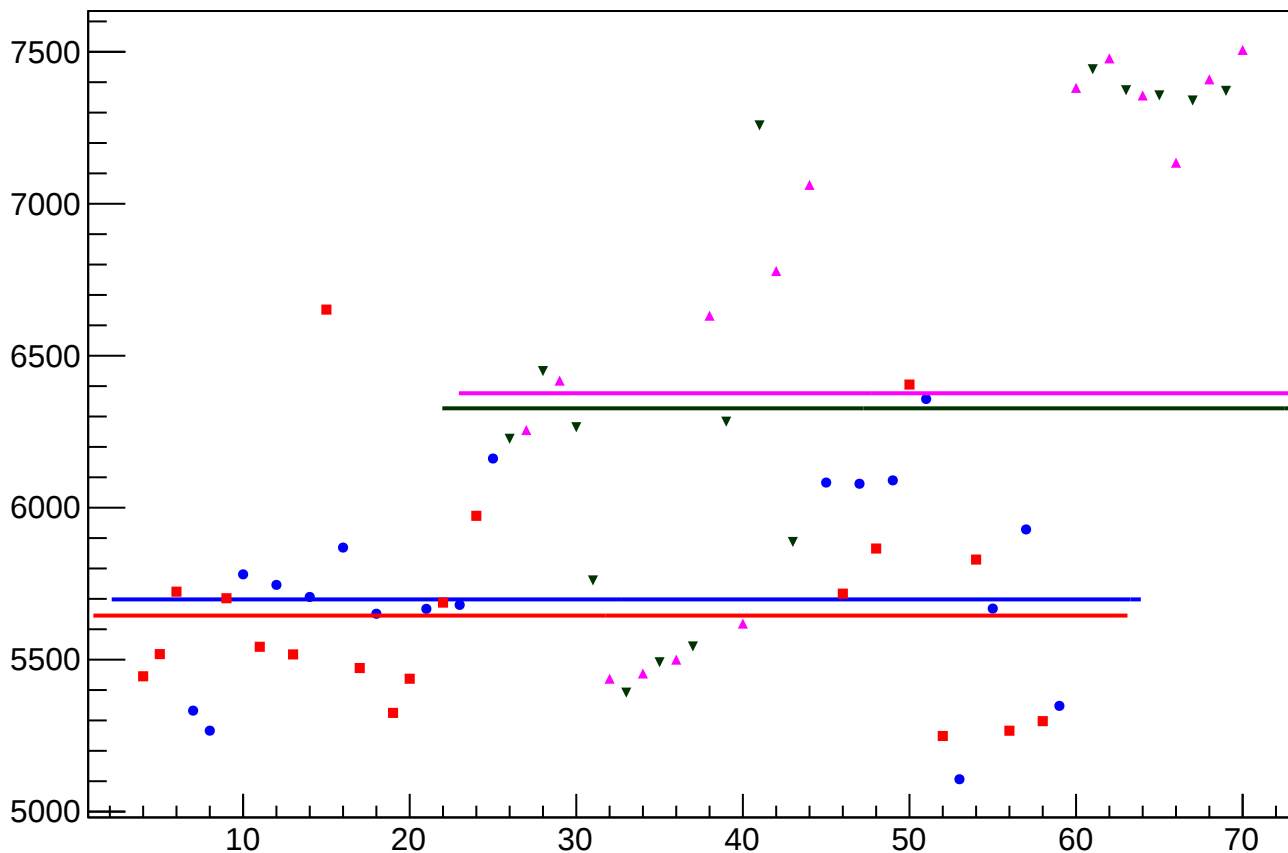
Right Out: -9.425 ± 1.790 χ^2/NDF : 24.3/18

Left In: 2.286 ± 2.171 χ^2/NDF : 29.4/14

3.443 ± 1.363 χ^2/NDF : 128.7/32

-4.685 ± 1.381 χ^2/NDF : 71.0/33

diff_bpm0l05X_rms vs slug



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

Left Out: 6326.964+/-1.610 χ^2/NDF : 207691.8/14

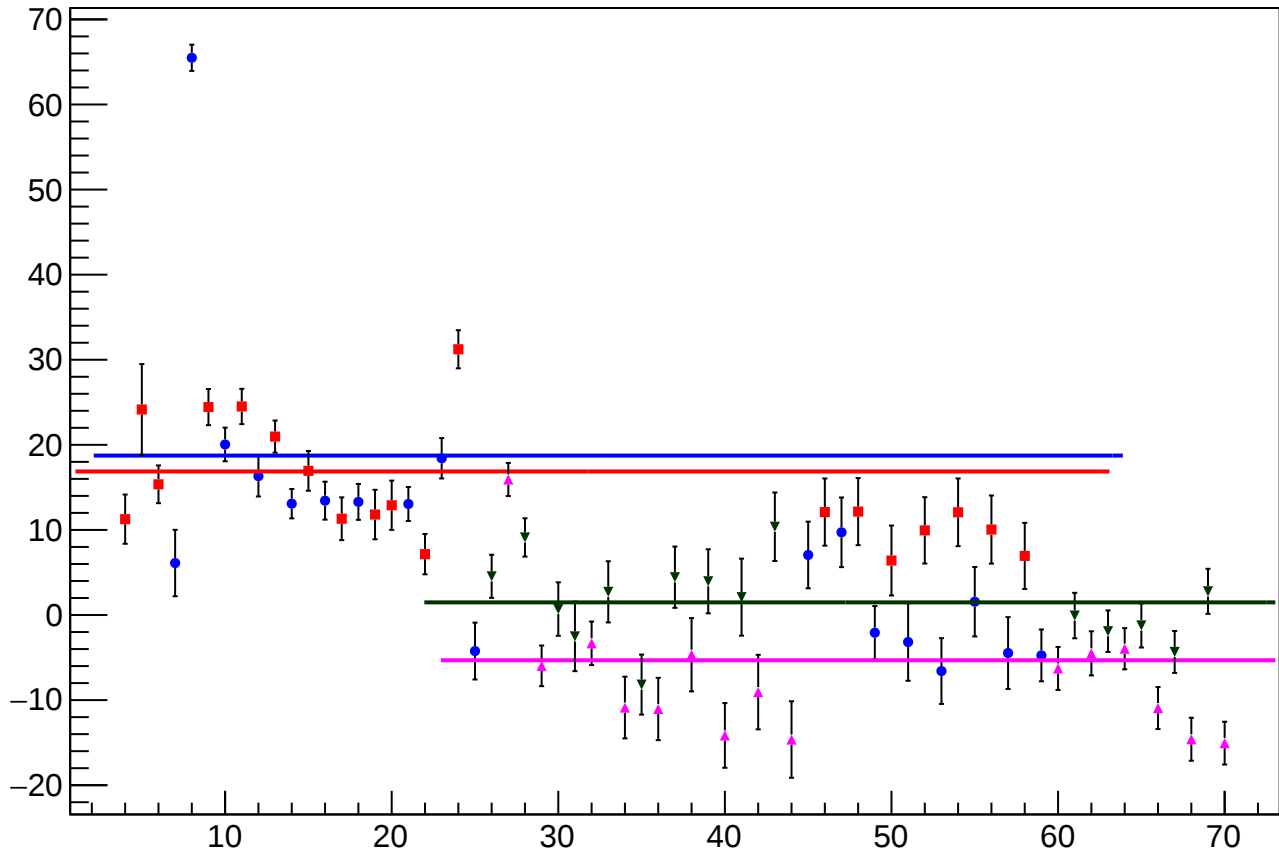
Right Out: 5644.999+/-1.266 χ^2/NDF : 71475.4/18

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

5923.452+/-0.964 χ^2/NDF : 372762.3/32

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

diff_bpm0l05Y_mean vs slug



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

Left Out: 1.487 $\pm$ 0.769 χ^2 /NDF: 36.7/14

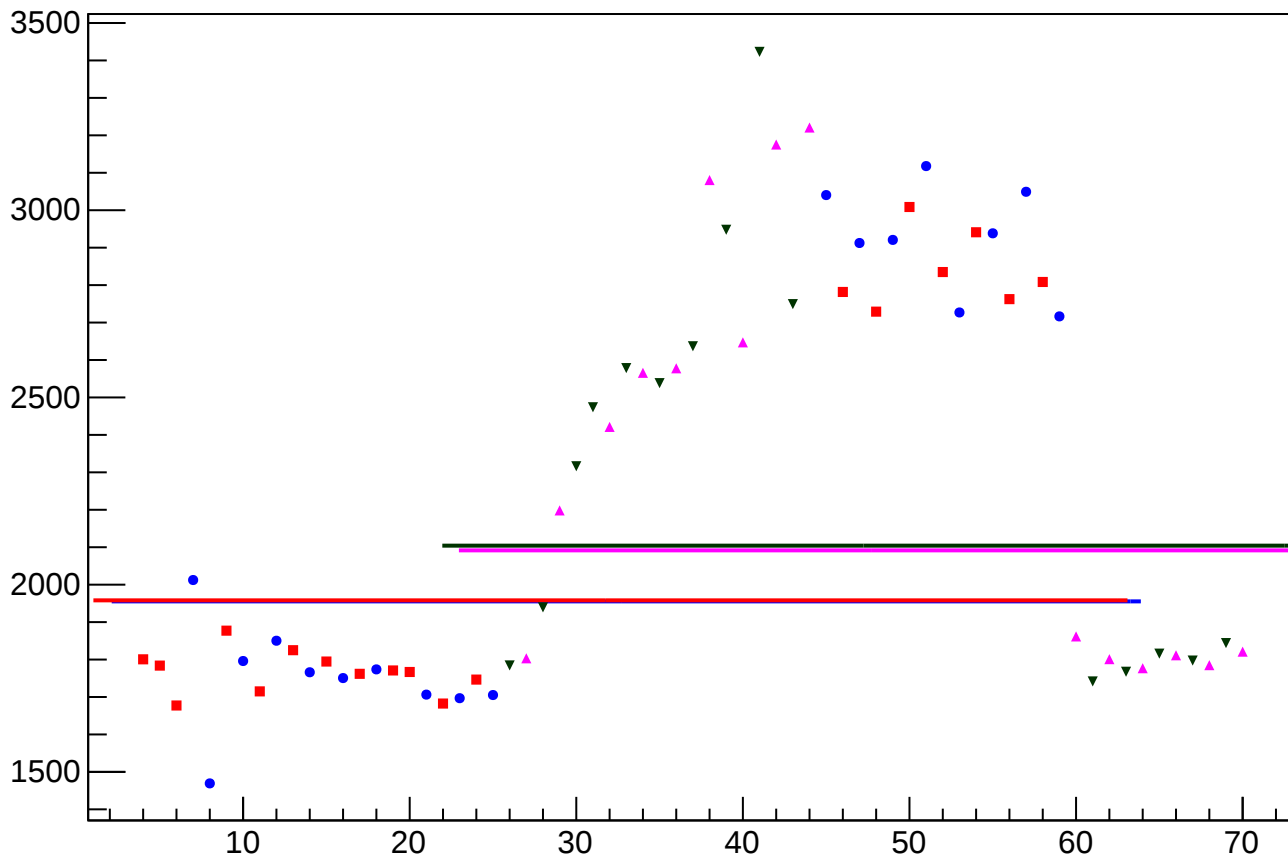
Right Out: 16.874 $\pm$ 0.633 χ^2 /NDF: 128.0/18

Left In: -5.320 $\pm$ 0.721 χ^2 /NDF: 169.1/14

12.183 $\pm$ 0.474 χ^2 /NDF: 1590.5/32

7.216 $\pm$ 0.476 χ^2 /NDF: 831.7/33

diff_bpm0l05Y_rms vs slug



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

Left Out: 2104.198+/-0.543 χ^2/NDF : 648164.1/14

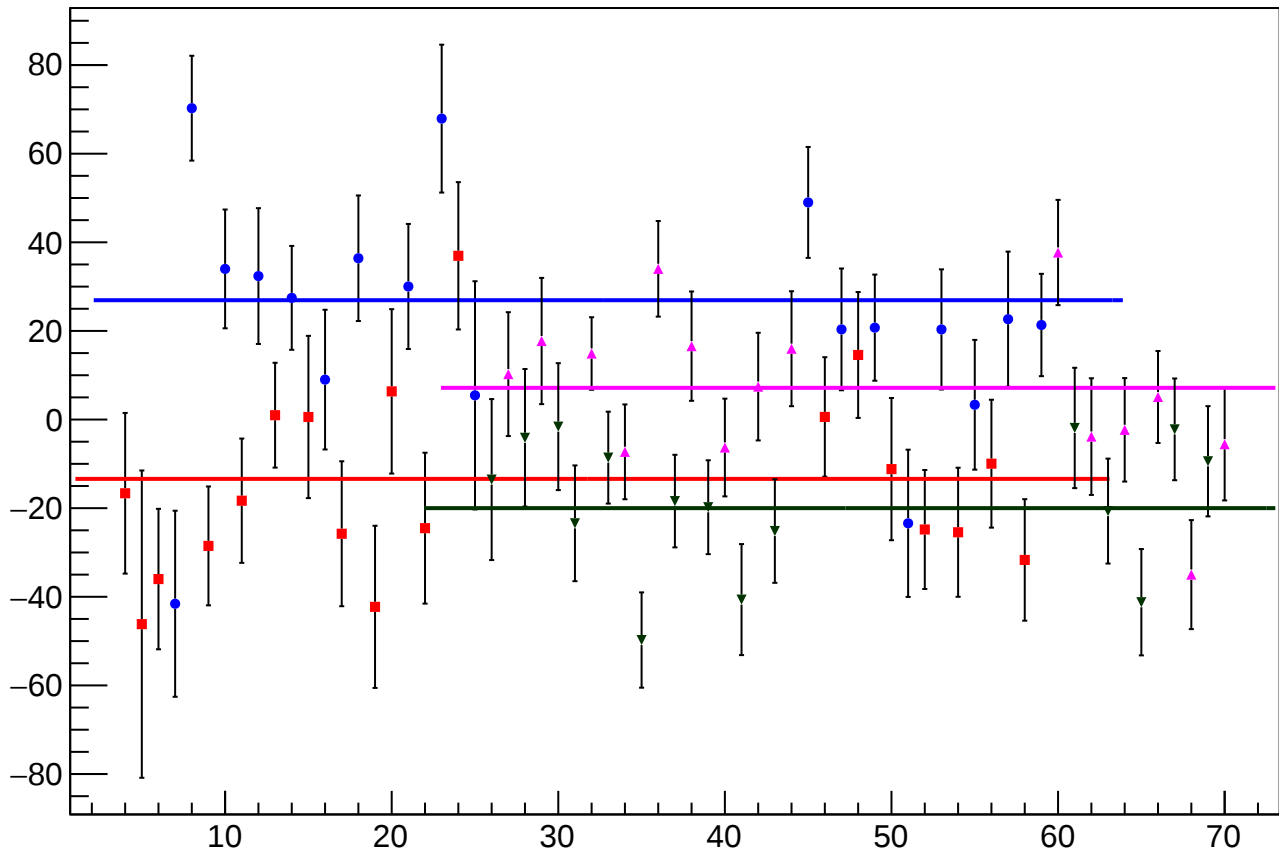
Right Out: 1958.115+/-0.448 χ^2/NDF : 858074.3/18

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

2011.922+/-0.335 χ^2/NDF : 2070347.0/32

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

diff_bpm0l06X_mean vs slug



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

Left Out: -19.994 ± 3.144 χ^2/NDF : 22.7/14

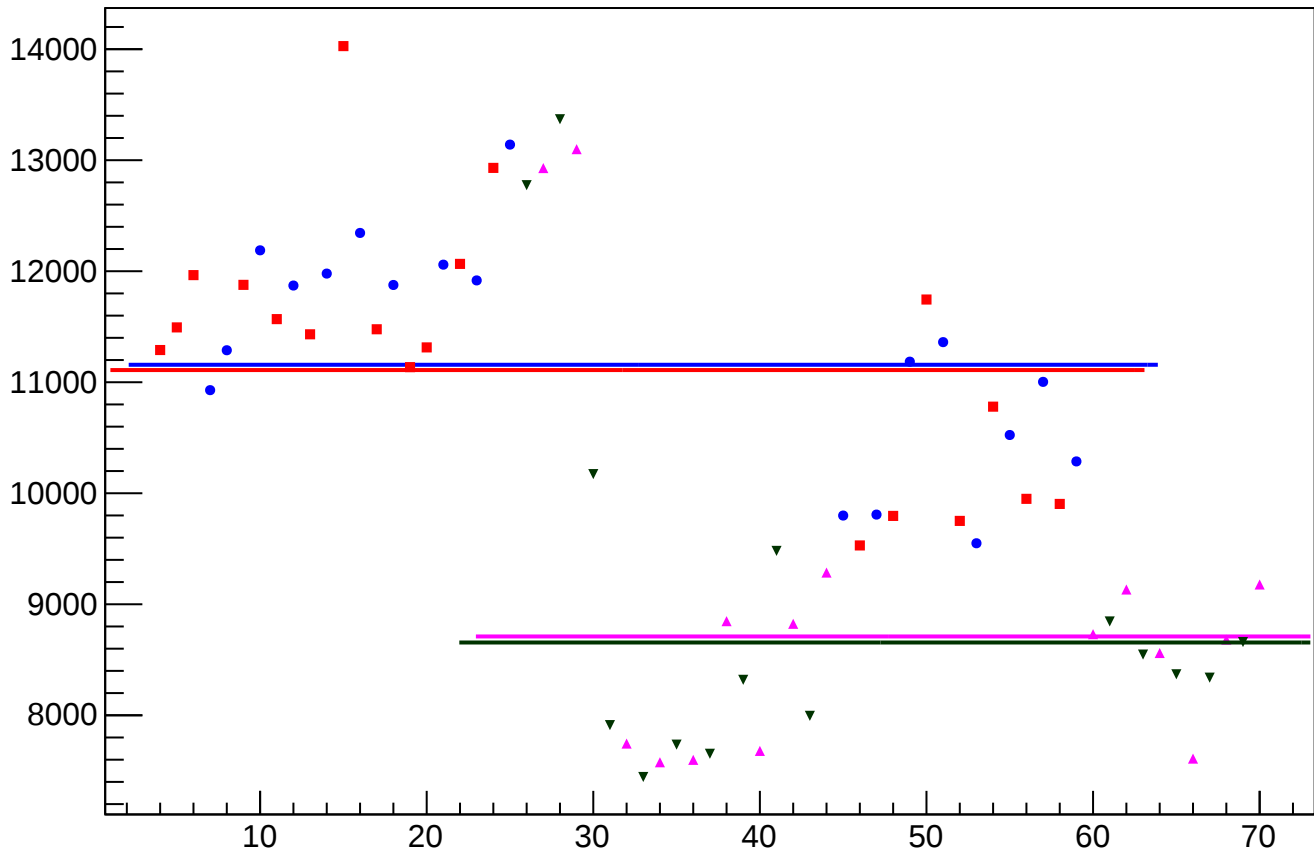
Right Out: -13.392 ± 3.535 χ^2/NDF : 28.4/18

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

2.073 ± 2.288 χ^2/NDF : 176.4/32

-1.402 ± 2.281 χ^2/NDF : 80.9/33

diff_bpm0l06X_rms vs slug



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

Left Out: 8655.639 $\pm$ 2.223 χ^2 /NDF:396846.8/14

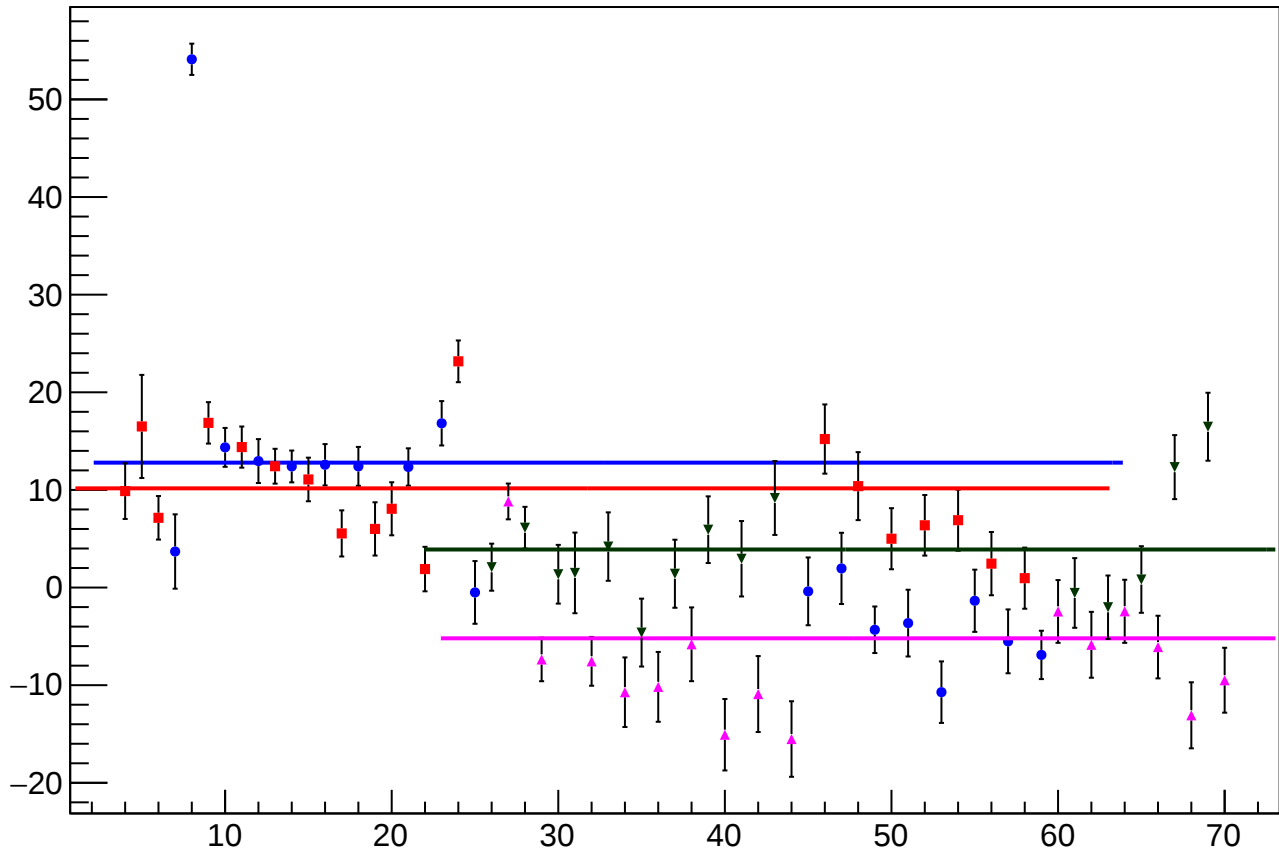
9832.071 $\pm$ 1.618 χ^2 /NDF: 1146111.0/32

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

9709.617 $\pm$ 1.613 χ^2 /NDF: 1227164.8/33

Left In: 8710.082 $\pm$ 2.112 χ^2 /NDF:492983.1/14

diff_bpm0l06Y_mean vs slug



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

Left Out: 3.898+/-0.826 χ^2/NDF : 36.9/14

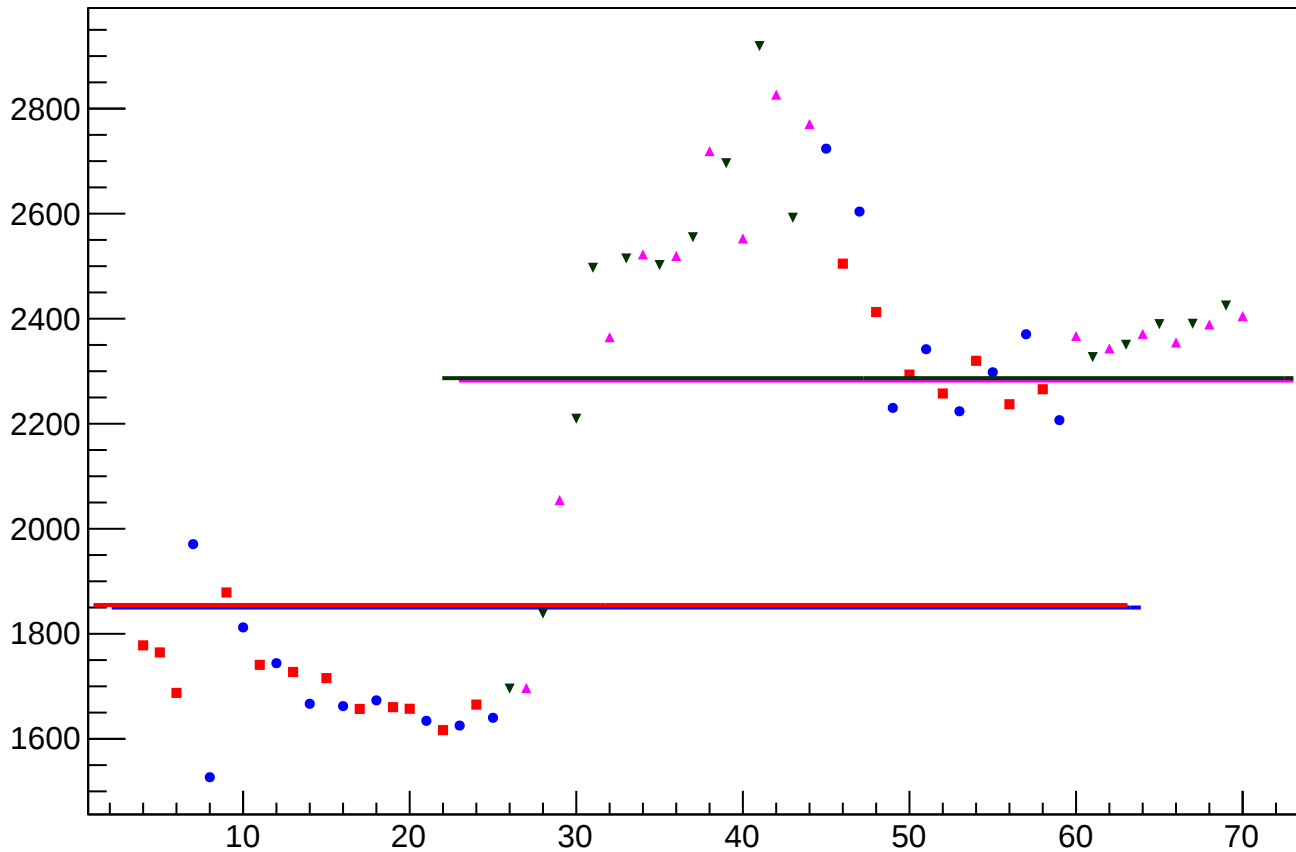
10.002+/-0.463 χ^2/NDF : 1077.5/32

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

4.531+/-0.471 χ^2/NDF : 434.1/33

Left In: -5.201+/-0.779 χ^2/NDF : 89.9/14

diff_bpm0l06Y_rms vs slug



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

Left Out: 2286.785+/-0.584 χ^2/NDF : 346210.0/14

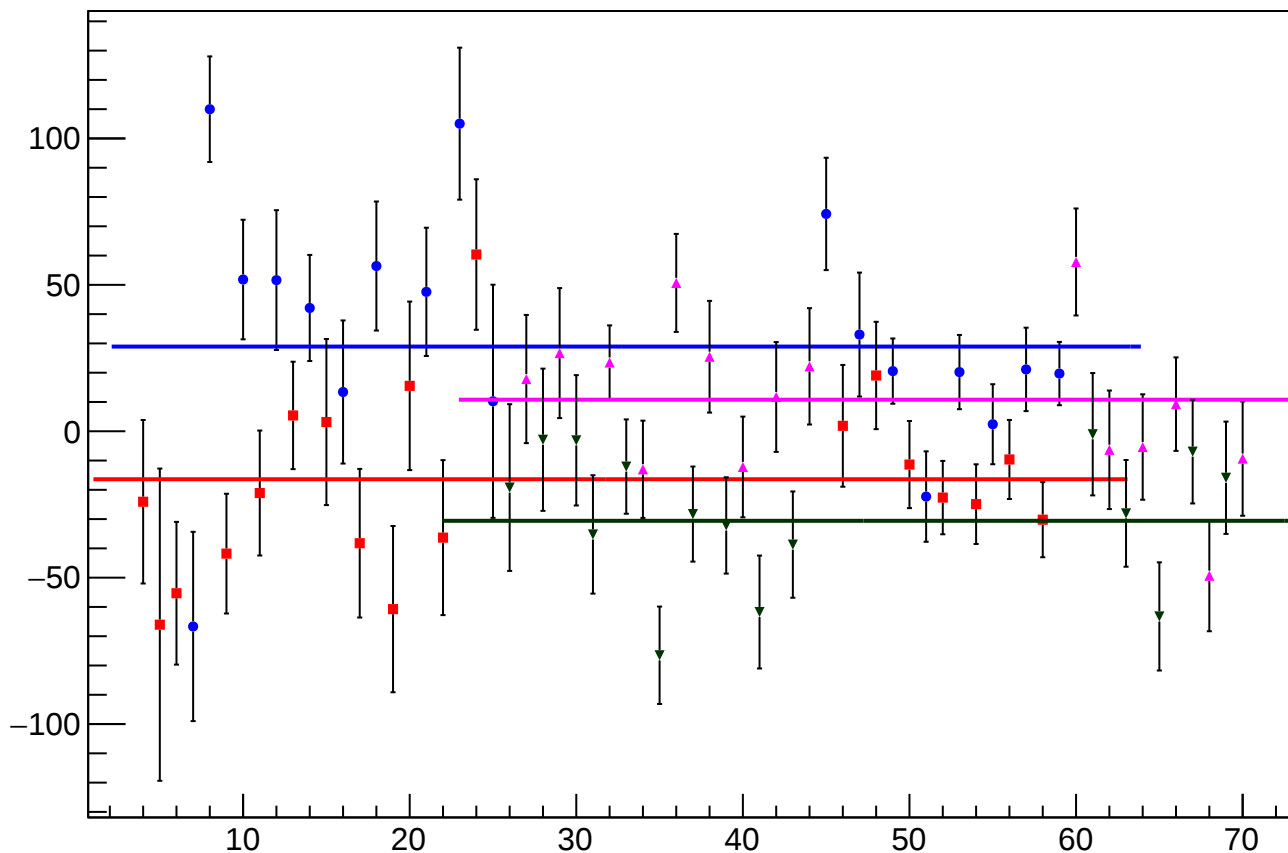
1987.153+/-0.327 χ^2/NDF : 1392476.8/32

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

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

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

diff_bpm0l07X_mean vs slug



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

Left Out: -30.585 ± 4.866 $\chi^2/\text{NDF}: 22.3/14$

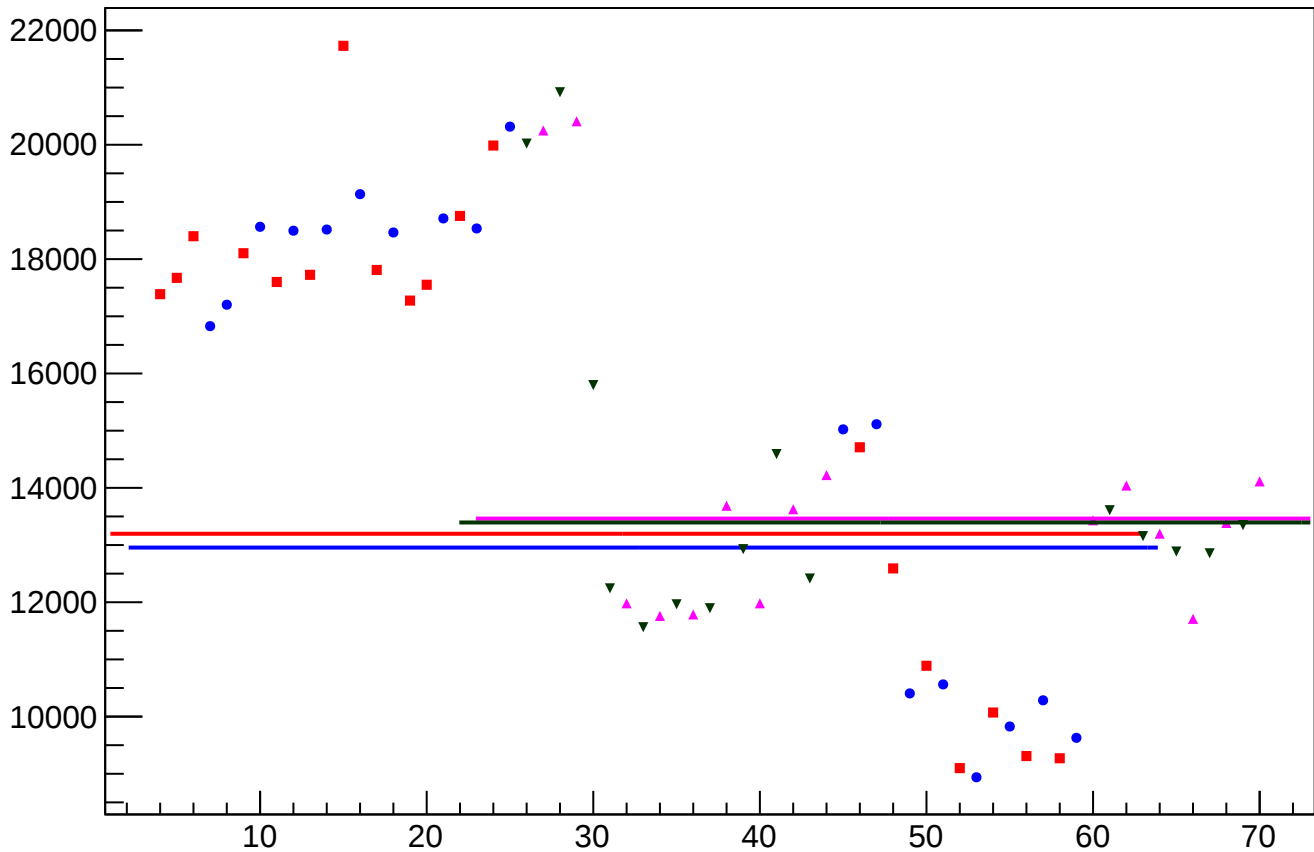
Right Out: -16.388 ± 4.377 $\chi^2/\text{NDF}: 27.5/18$

Left In: 10.778 ± 4.617 $\chi^2/\text{NDF}: 31.3/14$

4.678 ± 3.106 $\chi^2/\text{NDF}: 176.6/32$

-3.530 ± 3.177 $\chi^2/\text{NDF}: 77.1/33$

diff_bpm0l07X_rms vs slug



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

Left Out: 13394.636+/-3.441 χ^2/NDF : 406887.9/14

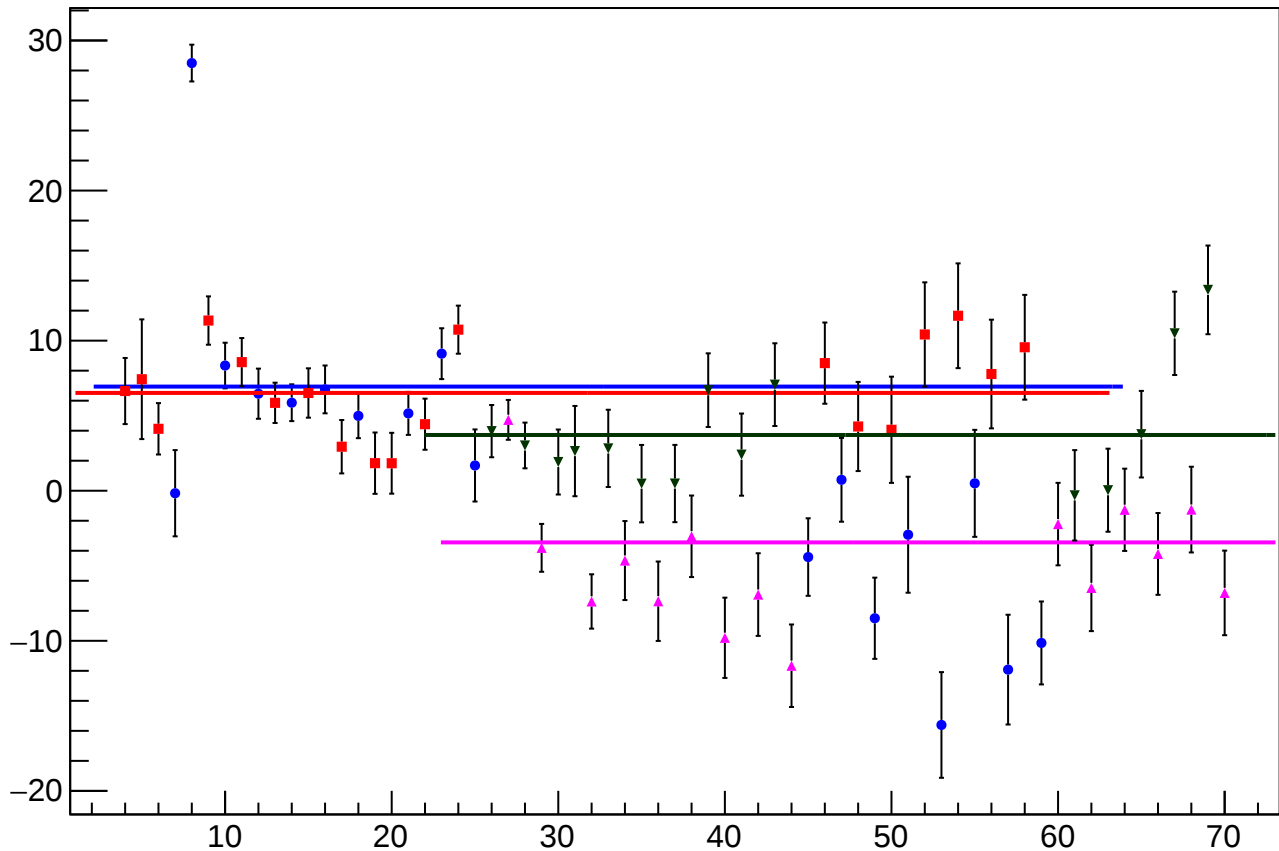
13134.661+/-2.196 χ^2/NDF : 2317155.2/32

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

13322.808+/-2.246 χ^2/NDF : 2274521.4/33

Left In: 13462.607+/-3.265 χ^2/NDF : 503287.9/14

diff_bpm0l07Y_mean vs slug



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

Left Out: 3.715+/-0.623 χ^2/NDF : 27.7/14

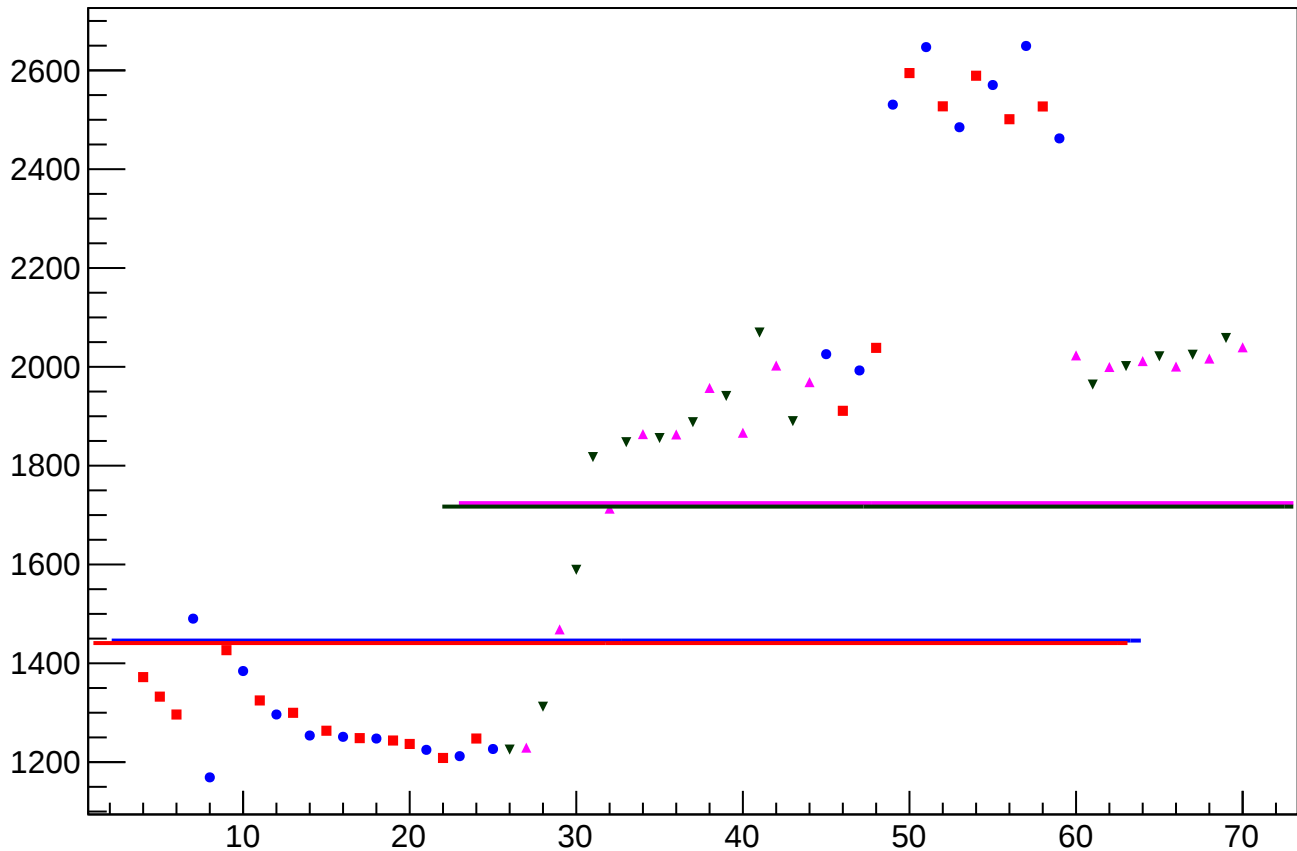
Right Out: 6.517+/-0.472 χ^2/NDF : 41.8/18

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

5.836+/-0.365 χ^2/NDF : 544.9/32

2.643+/-0.369 χ^2/NDF : 280.6/33

diff_bpm0l07Y_rms vs slug



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

Left Out: 1717.168+/-0.441 χ^2/NDF : 495476.9/14

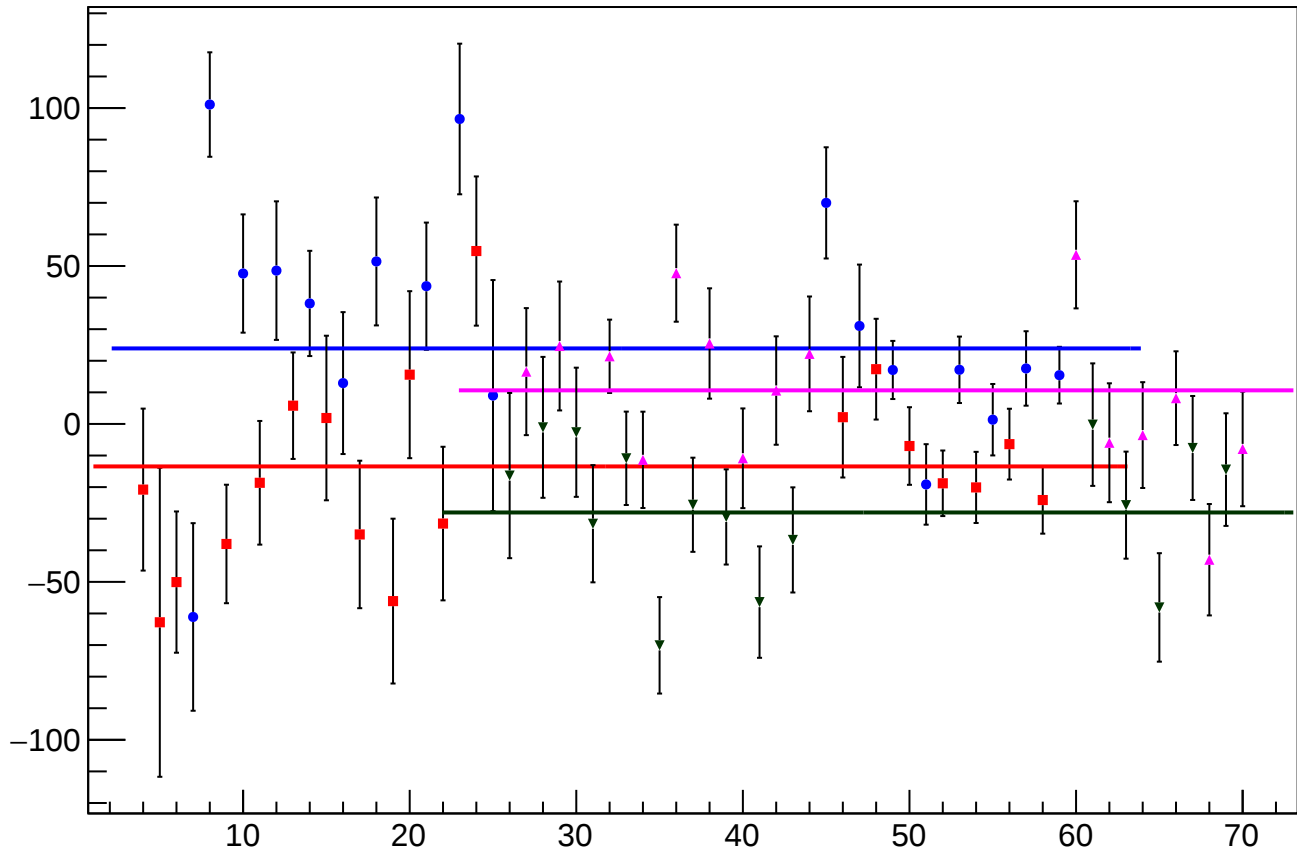
1538.793+/-0.258 χ^2/NDF : 2635850.5/32

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

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

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

diff_bpm0l08X_mean vs slug



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

Left Out: -28.026 ± 4.484 χ^2/NDF : 22.3/14

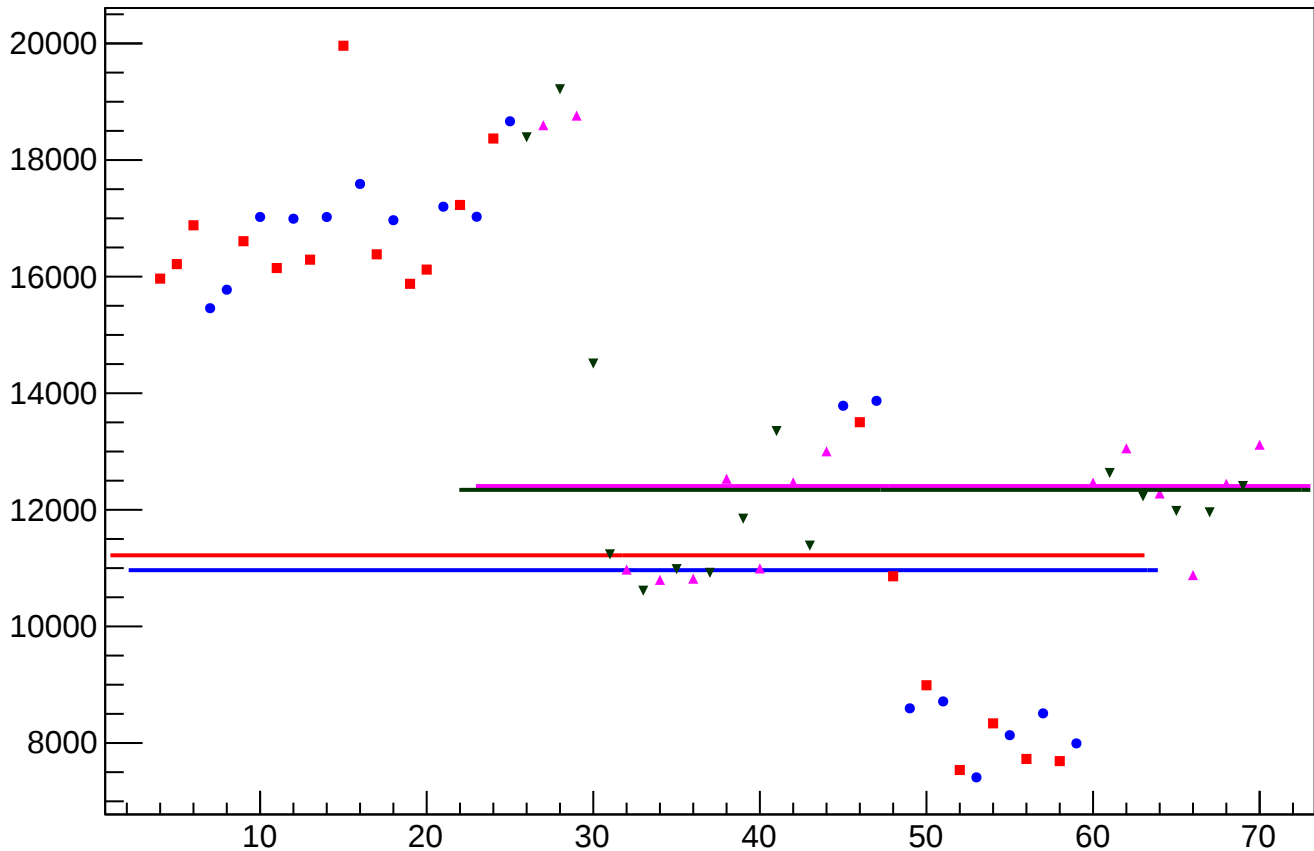
Right Out: -13.450 ± 3.783 χ^2/NDF : 27.5/18

Left In: 10.635 ± 4.255 χ^2/NDF : 30.5/14

4.456 ± 2.744 χ^2/NDF : 176.8/32

-2.817 ± 2.827 χ^2/NDF : 75.9/33

diff_bpm0l08X_rms vs slug



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

Left Out: 12342.689+/-3.171 χ^2/NDF : 405673.8/14

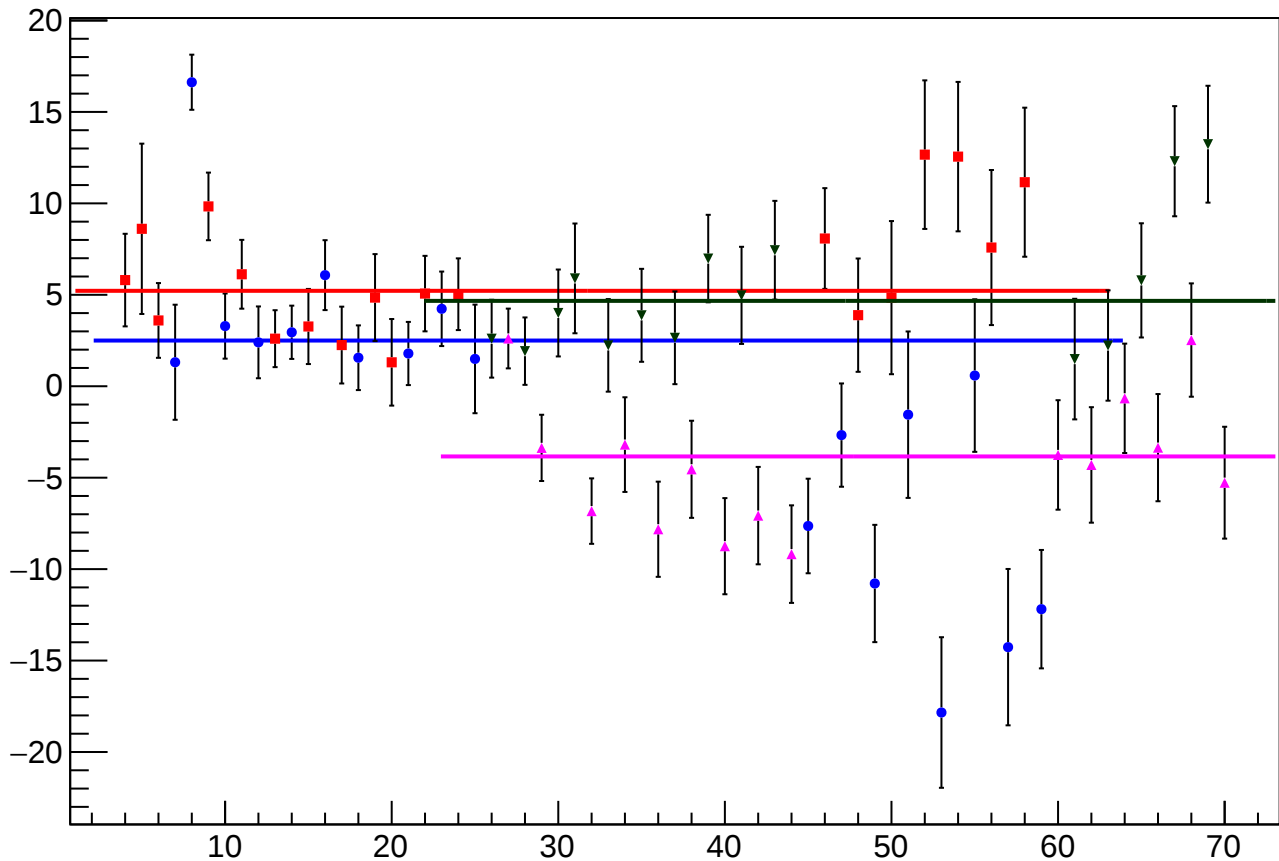
11480.856+/-1.940 χ^2/NDF : 3074643.4/32

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

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

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

diff_bpm0l08Y_mean vs slug



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

Left Out: 4.668 ± 0.669 χ^2/NDF : 22.4/14

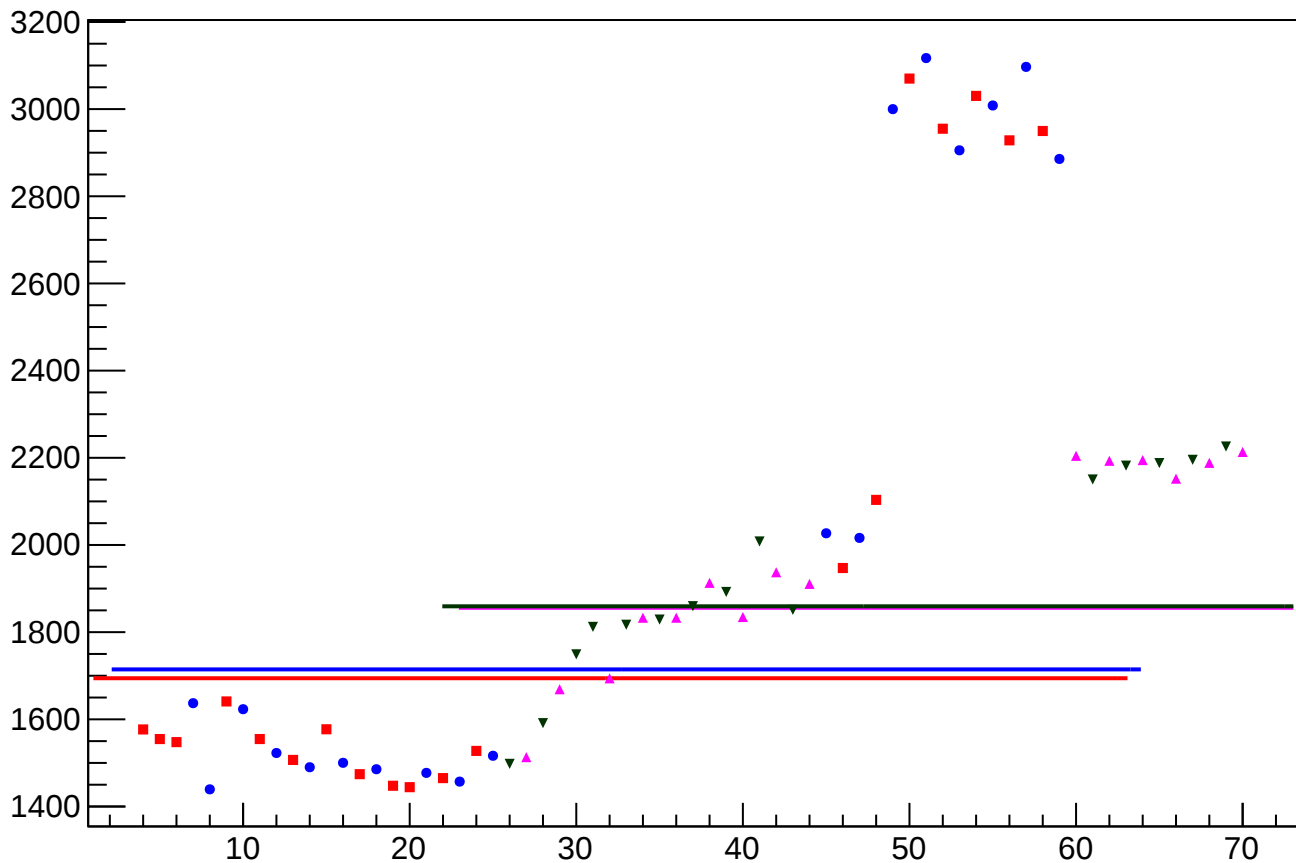
Right Out: 5.218 ± 0.553 χ^2/NDF : 26.5/18

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

3.336 ± 0.415 χ^2/NDF : 219.2/32

1.289 ± 0.416 χ^2/NDF : 178.4/33

diff_bpm0l08Y_rms vs slug



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

Left Out: 1859.288+/-0.473 χ^2/NDF : 224138.3/14

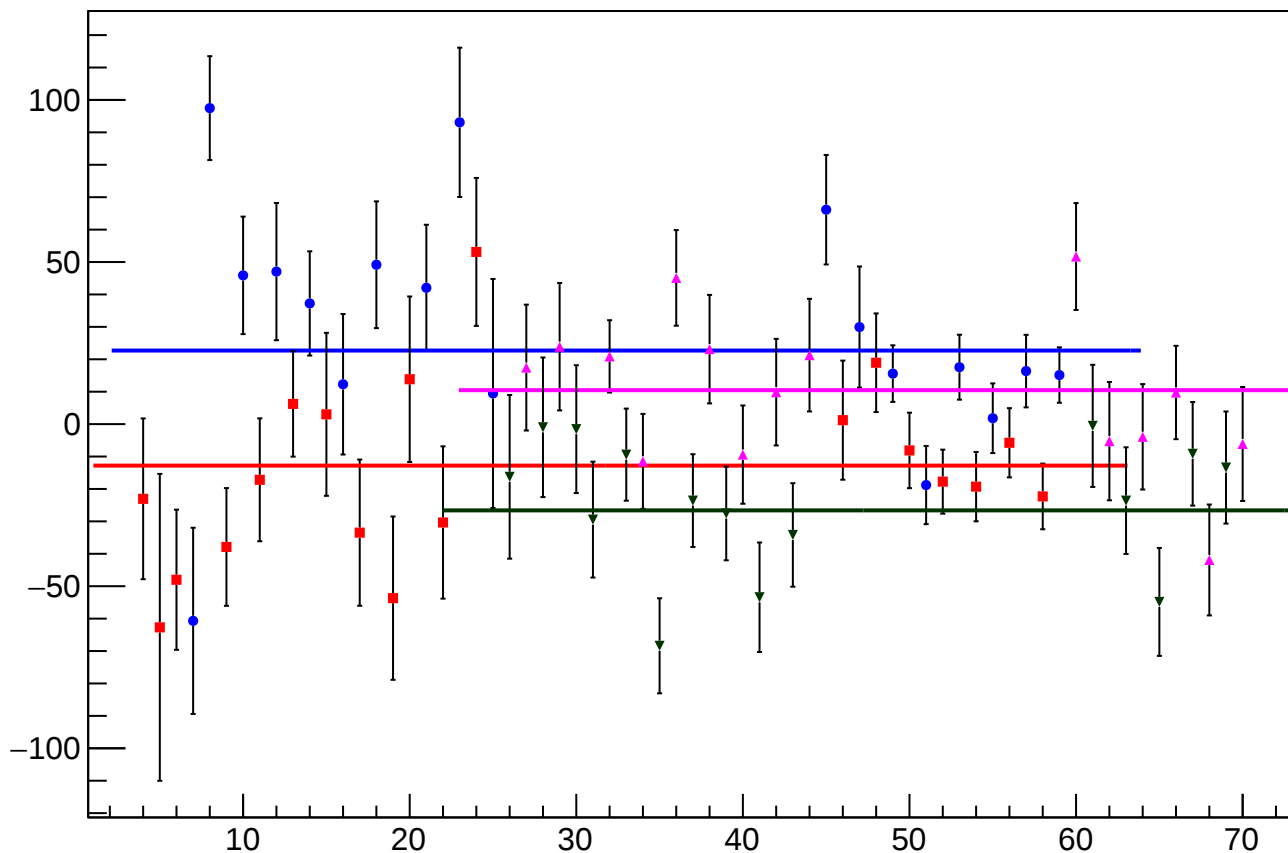
Right Out: 1694.263+/-0.391 χ^2/NDF : 1202765.8/18

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

1770.412+/-0.294 χ^2/NDF : 1952423.1/32

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

diff_bpm0l09X_mean vs slug



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

Left Out: -26.613 $\pm$ 4.323 χ^2 /NDF:22.2/14

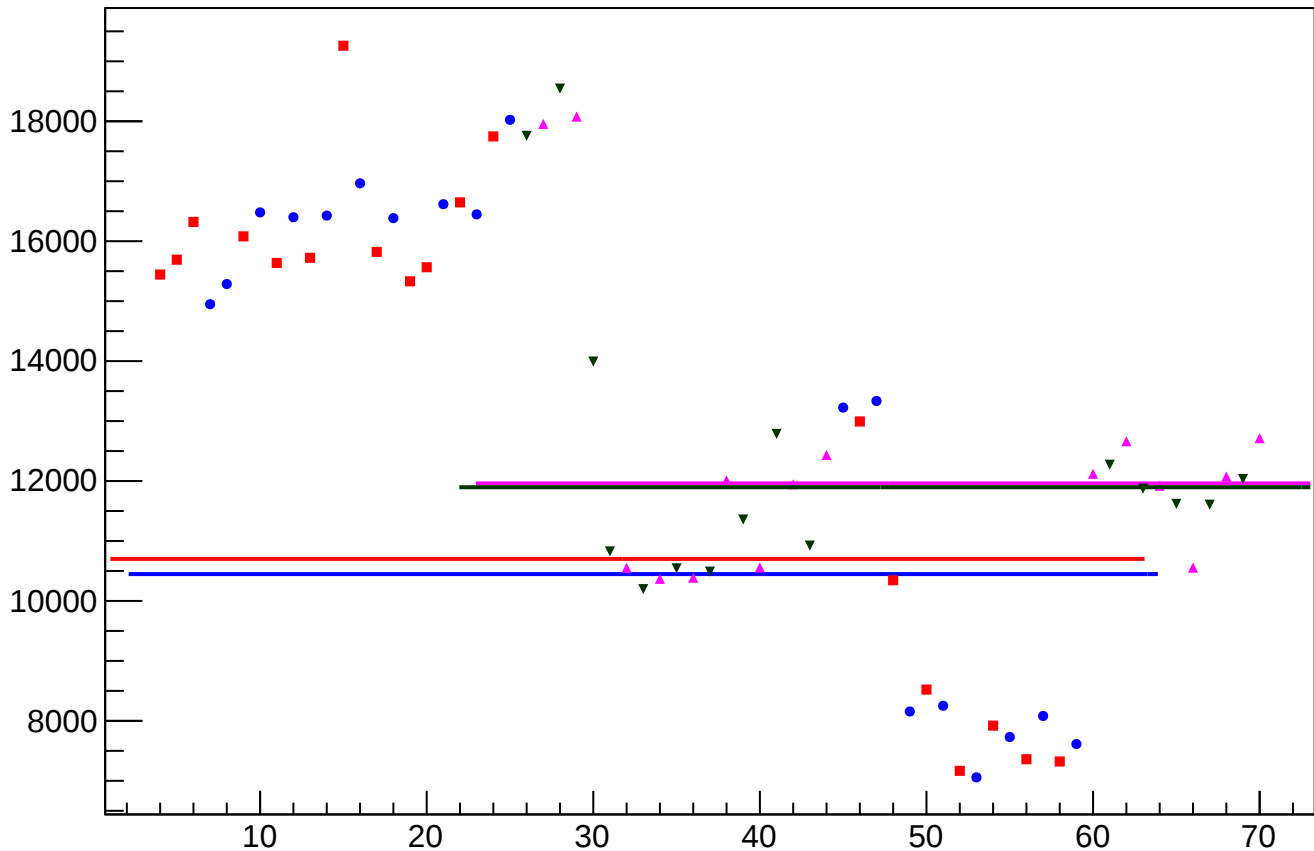
Right Out: -12.799 $\pm$ 3.618 χ^2 /NDF: 28.2/18

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

4.437 $\pm$ 2.630 χ^2 /NDF: 175.1/32

-2.618 $\pm$ 2.714 χ^2 /NDF: 76.2/33

diff_bpm0l09X_rms vs slug



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

Left Out: 11896.631+/-3.057 χ^2/NDF : 411136.2/14

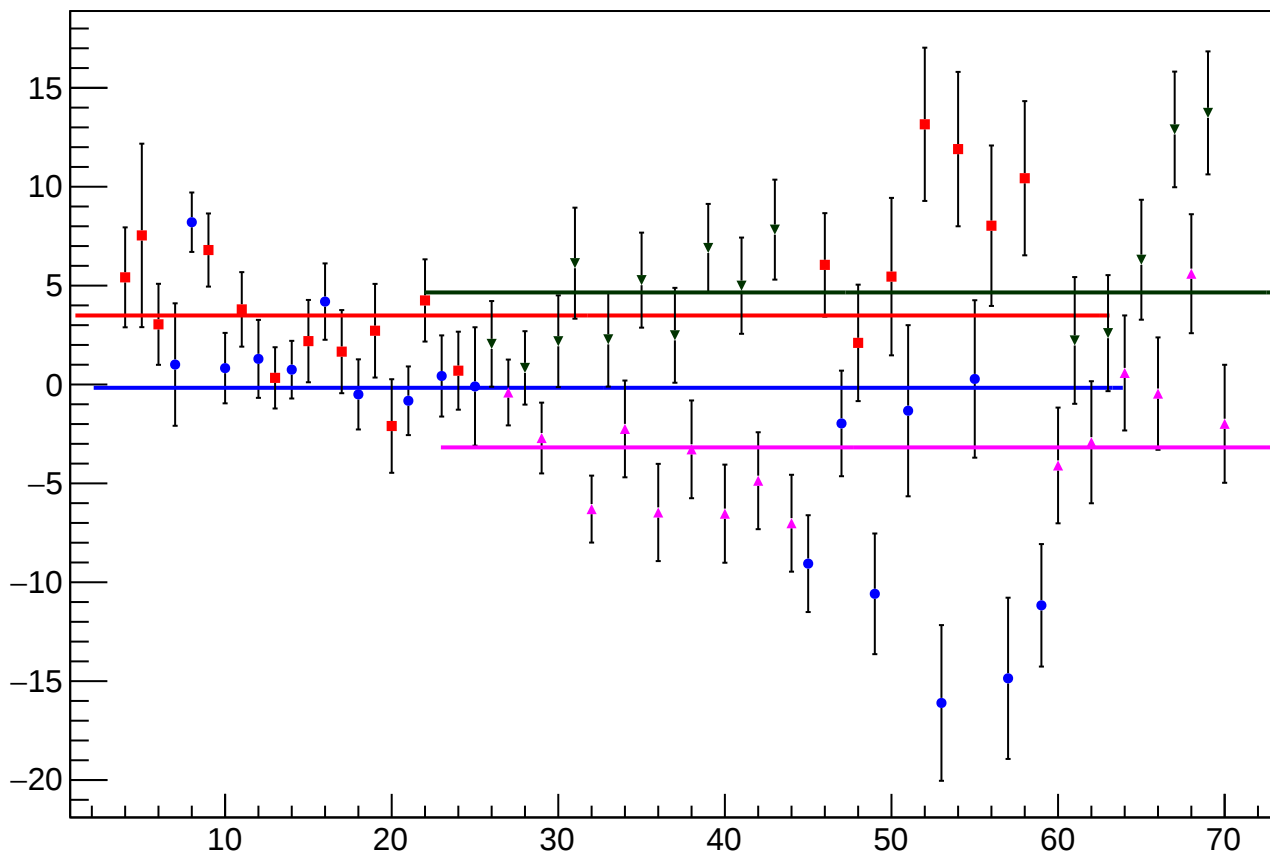
10984.556+/-1.860 χ^2/NDF : 3207204.1/32

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

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

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

diff_bpm0l09Y_mean vs slug



Right In: -0.167 ± 0.526 χ^2/NDF : 105.2/17

Left Out: 4.655 ± 0.644 χ^2/NDF : 29.4/14

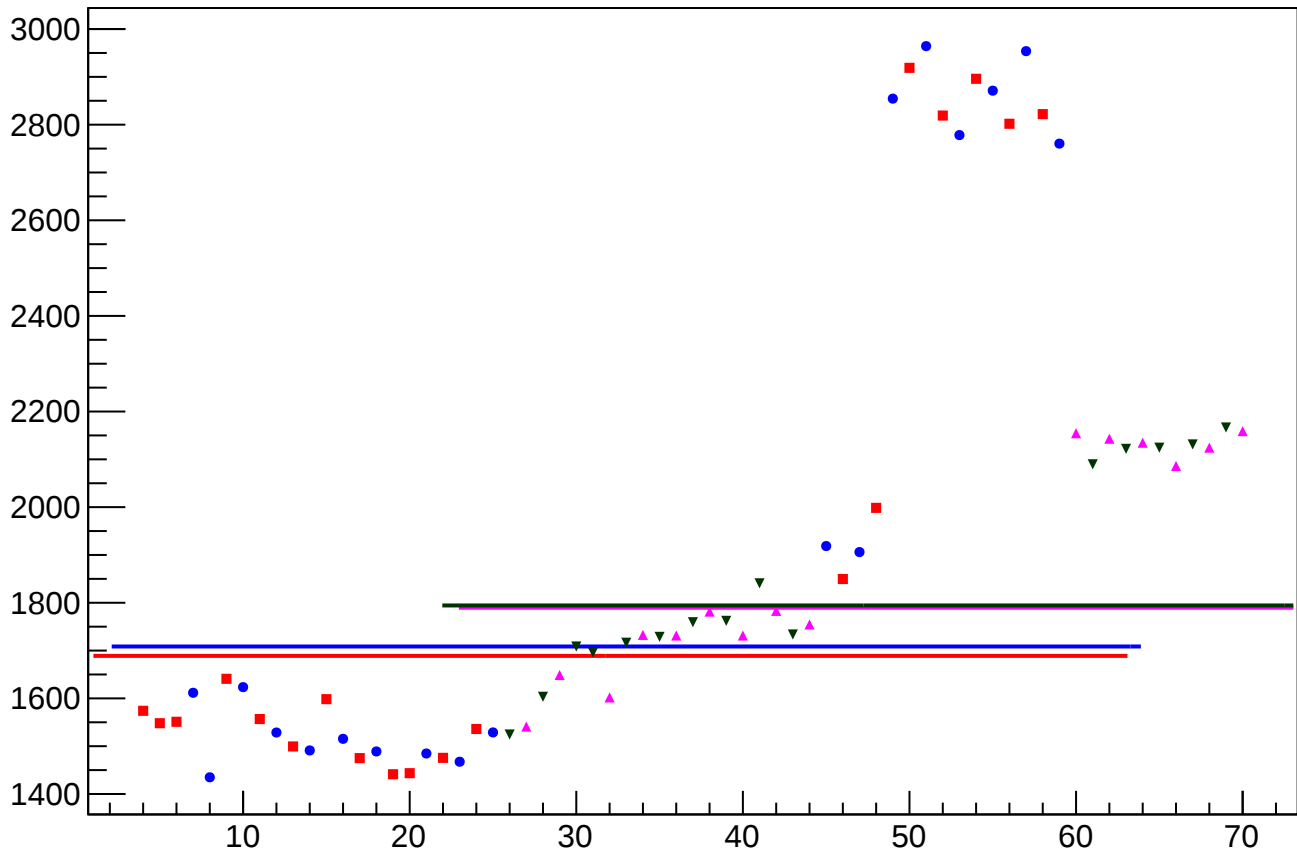
Right Out: 3.490 ± 0.549 χ^2/NDF : 34.4/18

Left In: -3.180 ± 0.608 χ^2/NDF : 24.3/14

1.760 ± 0.407 χ^2/NDF : 168.2/32

0.497 ± 0.408 χ^2/NDF : 125.0/33

diff_bpm0l09Y_rms vs slug



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

Left Out: 1794.374 $\pm$ 0.456 χ^2 /NDF:184559.5/14

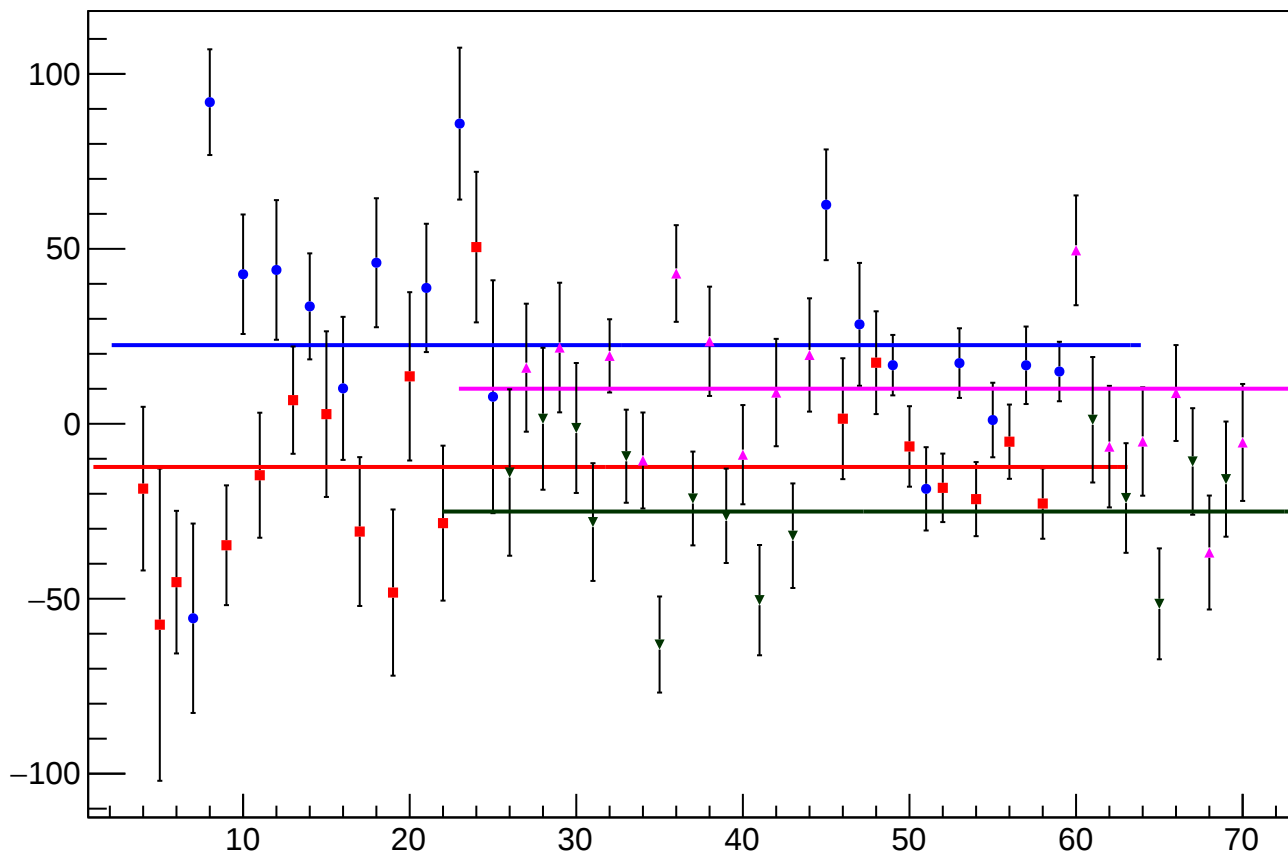
1742.849 $\pm$ 0.288 χ^2 /NDF: 1670444.3/32

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

1734.076 $\pm$ 0.288 χ^2 /NDF: 1336893.4/33

Left In: 1789.579 $\pm$ 0.430 χ^2 /NDF:248074.4/14

diff_bpm0l10X_mean vs slug



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

Left Out: -25.079 ± 4.071 $\chi^2/\text{NDF}: 21.7/14$

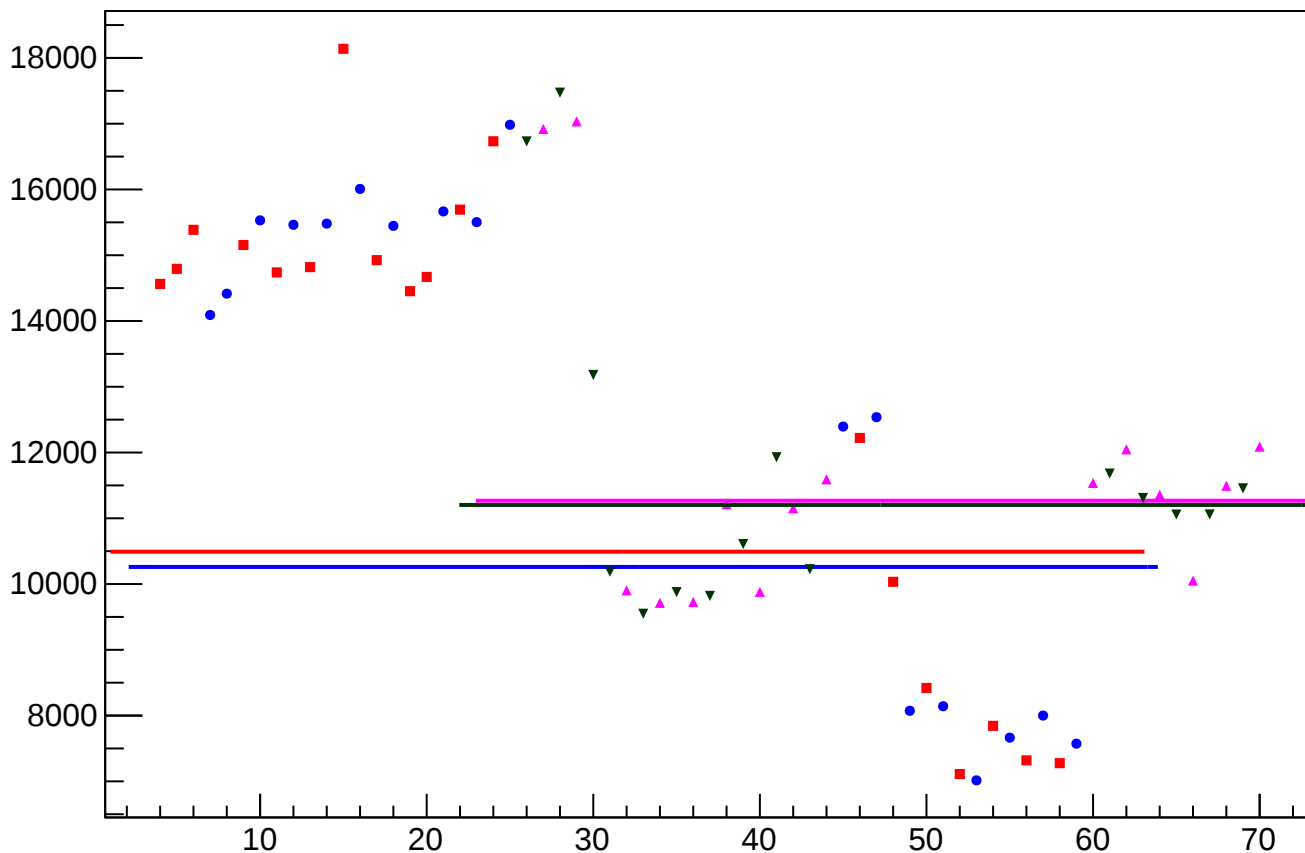
Right Out: -12.340 ± 3.516 $\chi^2/\text{NDF}: 28.3/18$

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

4.124 ± 2.529 $\chi^2/\text{NDF}: 173.8/32$

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

diff_bpm0l10X_rms vs slug



Right In: 10260.138 $\pm$ 2.282 χ^2 /NDF: 2319999.2/17

Left Out: 11202.860 $\pm$ 2.879 χ^2 /NDF: 418839.2/14

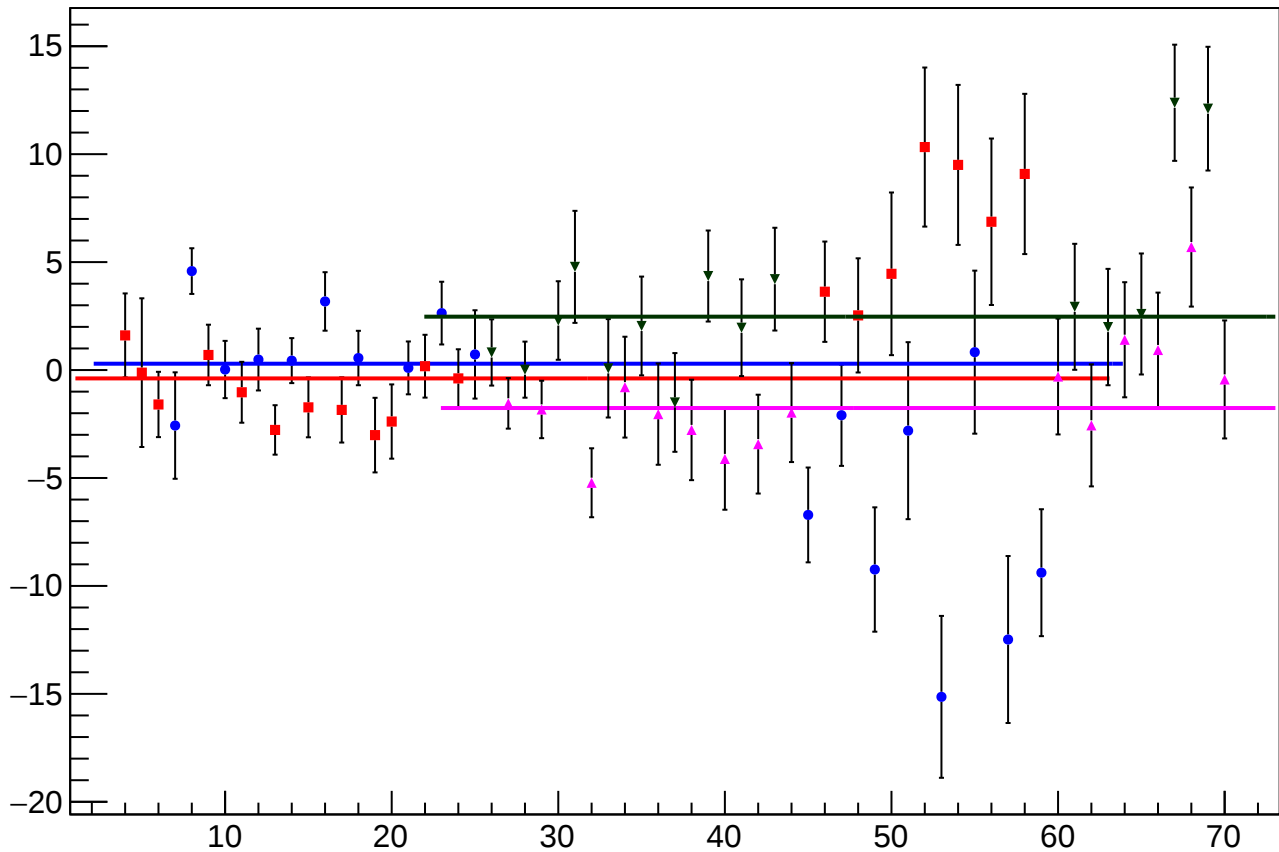
Right Out: 10492.088 $\pm$ 2.487 χ^2 /NDF: 2138865.4/18

Left In: 11266.967 $\pm$ 2.733 χ^2 /NDF: 515030.1/14

10624.001 $\pm$ 1.789 χ^2 /NDF: 2804681.0/32

10842.982 $\pm$ 1.839 χ^2 /NDF: 2697873.3/33

diff_bpm0l10Y_mean vs slug



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

Left Out: 2.472 ± 0.552 χ^2/NDF : 36.0/14

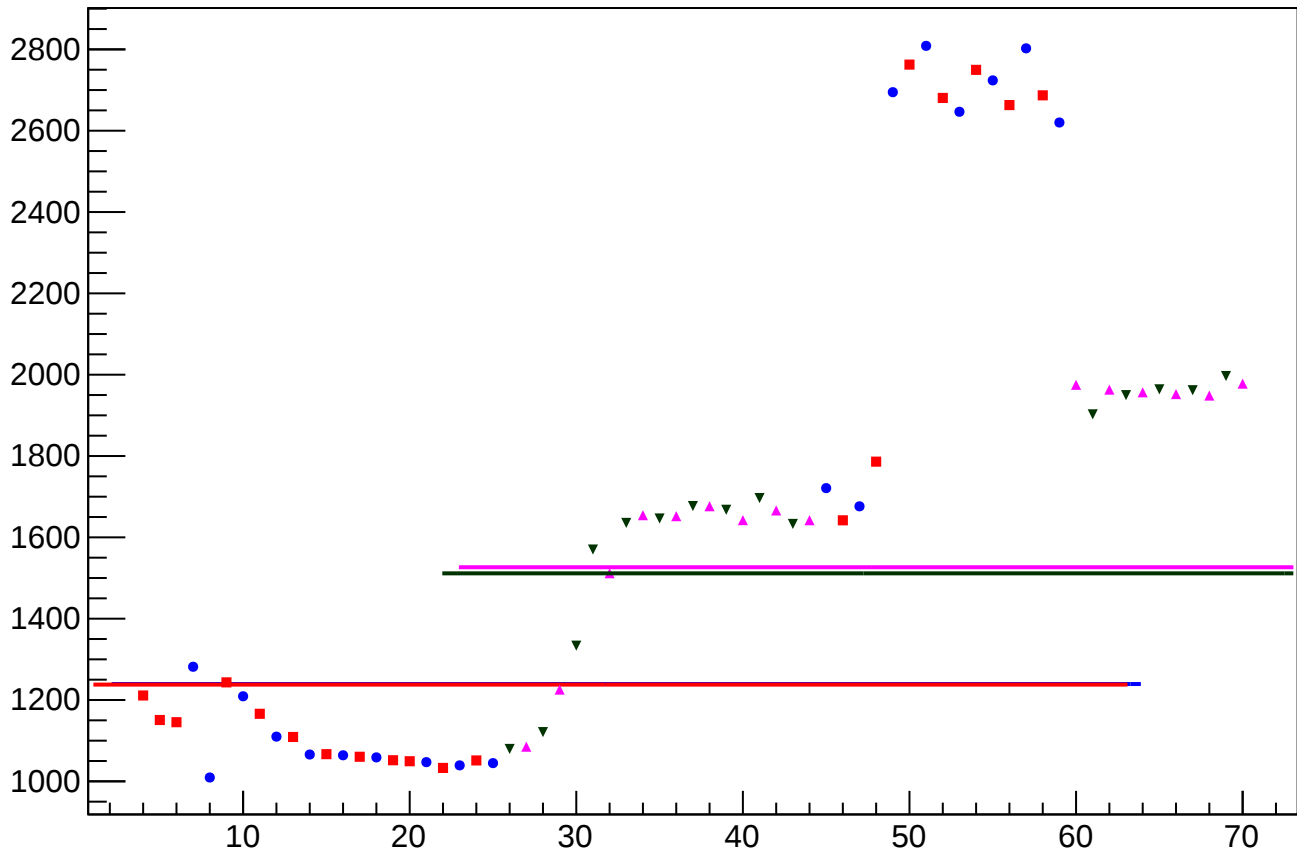
Right Out: -0.388 ± 0.412 χ^2/NDF : 44.0/18

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

1.027 ± 0.320 χ^2/NDF : 132.9/32

-0.908 ± 0.324 χ^2/NDF : 65.2/33

diff_bpm0l10Y_rms vs slug



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

Left Out: 1511.464+/-0.390 χ^2/NDF : 666822.9/14

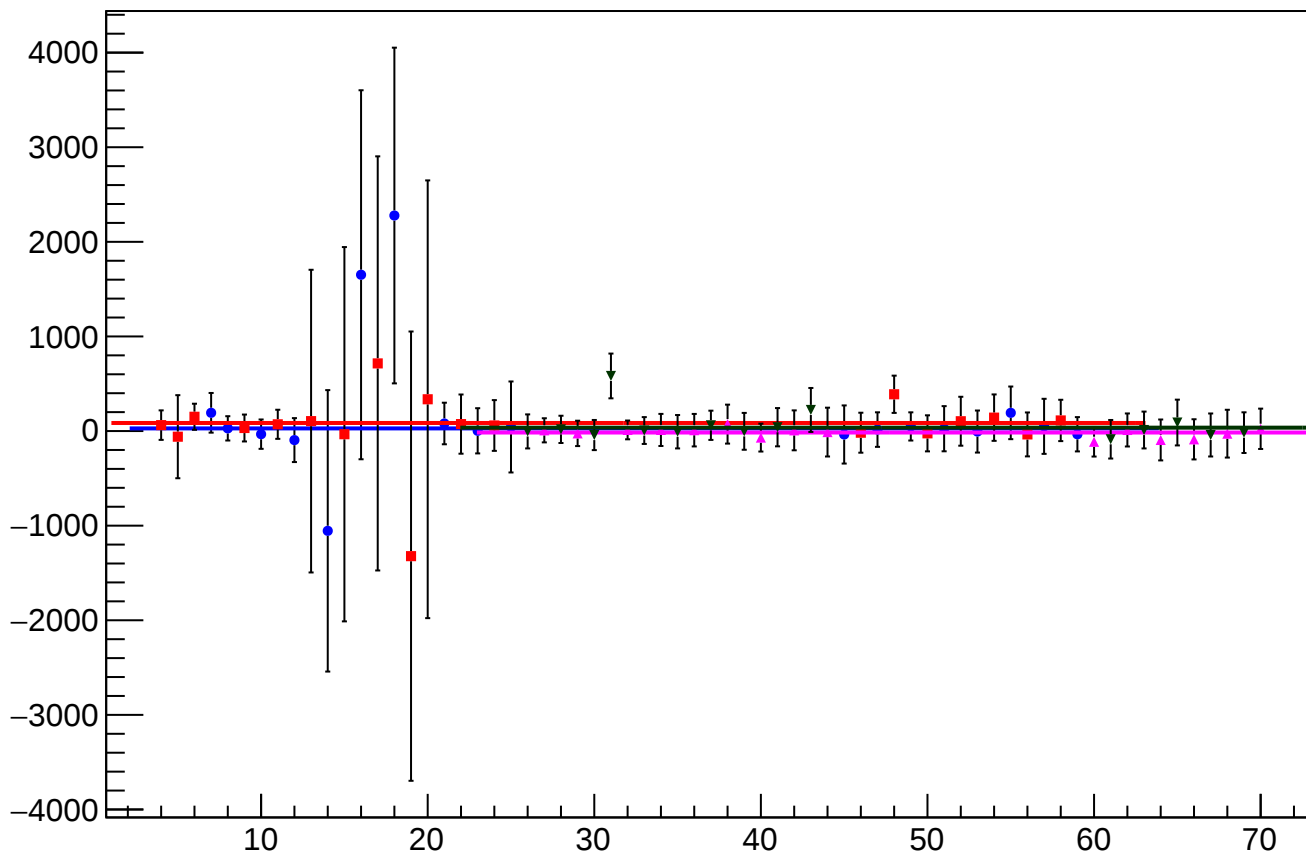
Right Out: 1237.907+/-0.291 χ^2/NDF : 1914347.8/18

Left In: 1526.483+/-0.372 χ^2/NDF : 732179.1/14

1330.861+/-0.226 χ^2/NDF : 3665478.7/32

1347.478+/-0.229 χ^2/NDF : 3019377.5/33

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: 35.831+/-47.781 χ^2/NDF : 7.1/14

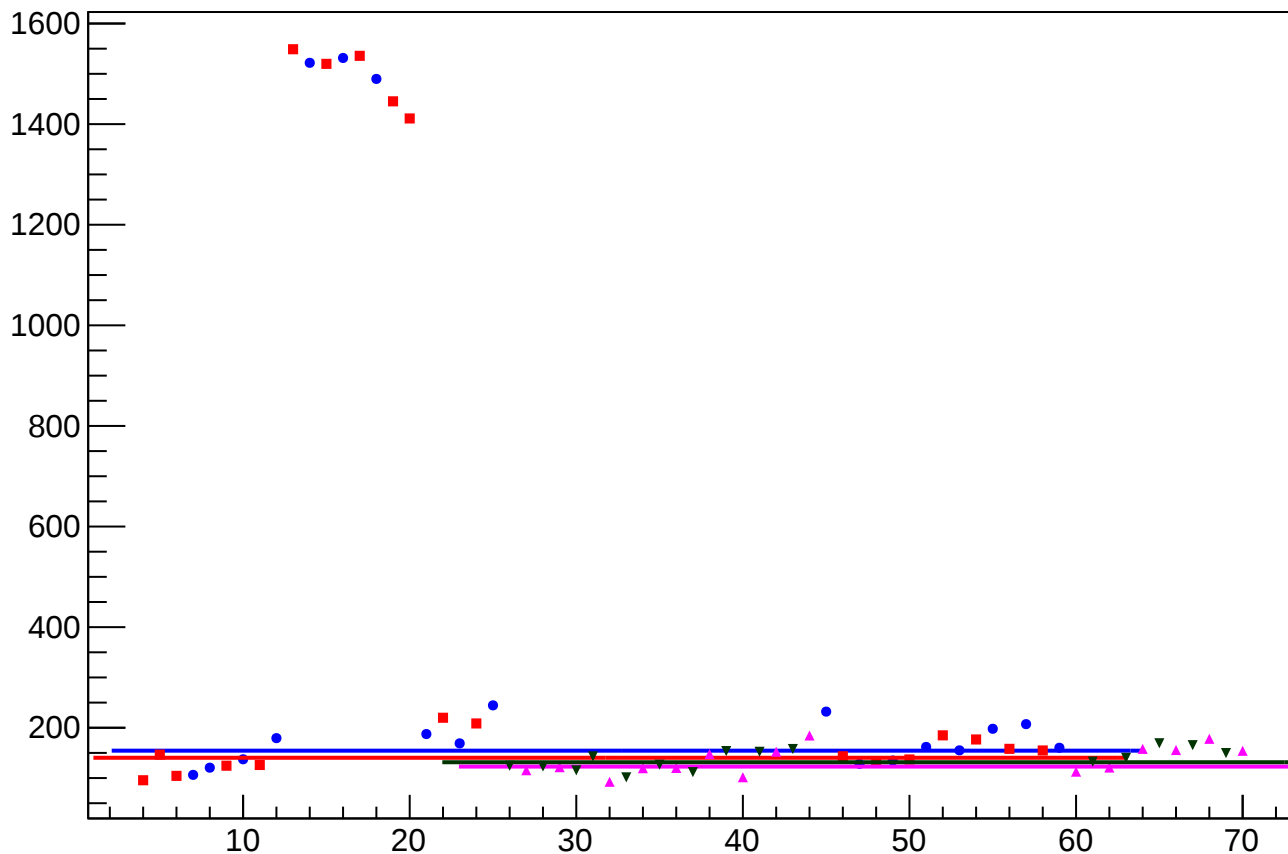
Right Out: 85.325+/-52.506 χ^2/NDF : 4.3/18

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

32.211+/-35.275 χ^2/NDF : 11.6/32

24.574+/-33.114 χ^2/NDF : 7.7/33

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs slug



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

Left Out: 131.462 $\pm$ 0.034 χ^2 /NDF: 343683.1/14

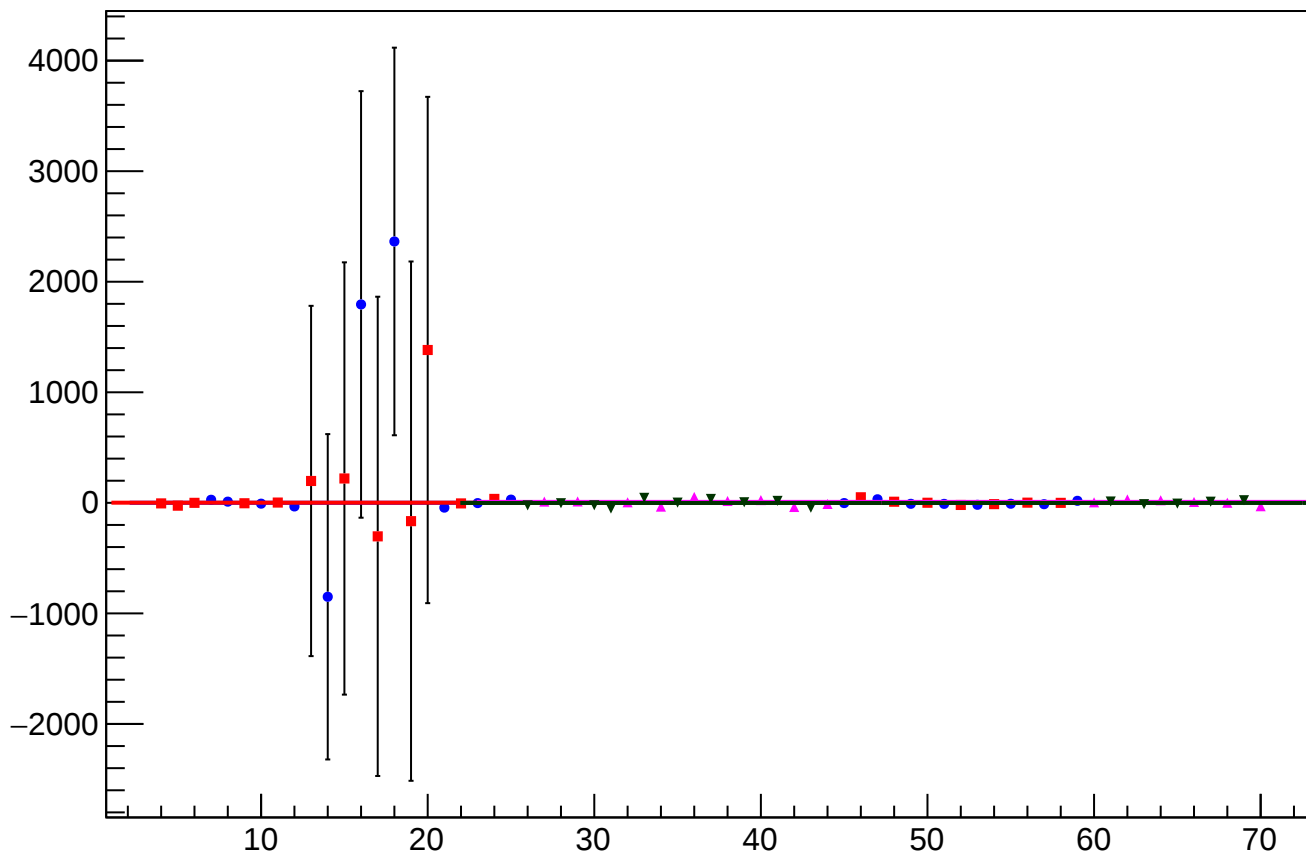
Right Out: 140.345 $\pm$ 0.037 χ^2 /NDF: 5274055.6/18

Left In: 122.821 $\pm$ 0.030 χ^2 /NDF: 666280.9/14

141.922 $\pm$ 0.025 χ^2 /NDF: 5111079.7/32

129.792 $\pm$ 0.023 χ^2 /NDF: 6074508.0/33

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs slug



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

Left Out: -1.139+/-5.947 χ^2/NDF : 16.2/14

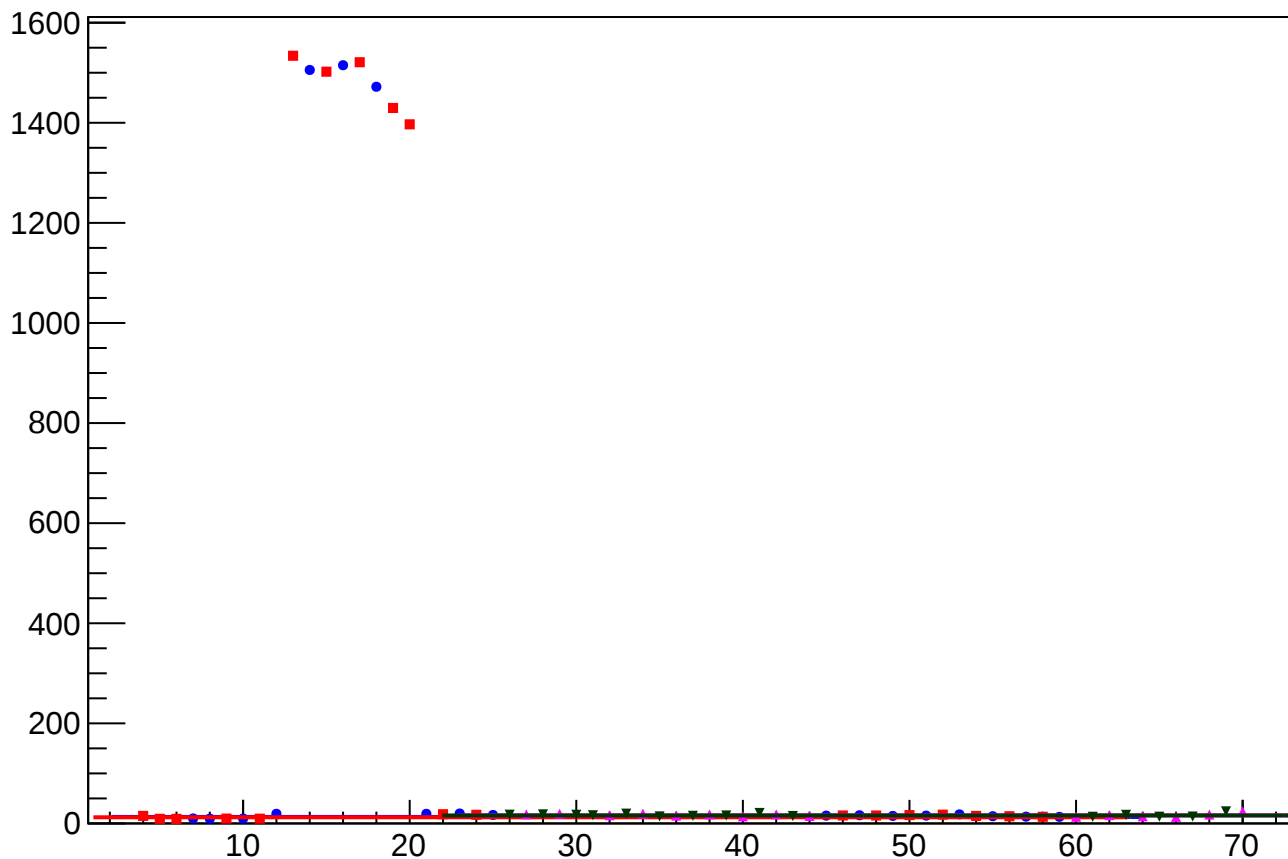
Right Out: 1.382+/-4.789 χ^2/NDF : 9.5/18

Left In: 8.574+/-5.722 χ^2/NDF : 13.2/14

-0.065+/-3.645 χ^2/NDF : 32.8/32

4.344+/-3.672 χ^2/NDF : 23.6/33

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs slug



Right In: 13.014 $\pm$ 0.003 χ^2 /NDF: 5695749.7/17

Left Out: 15.971 $\pm$ 0.004 χ^2 /NDF: 341379.1/14

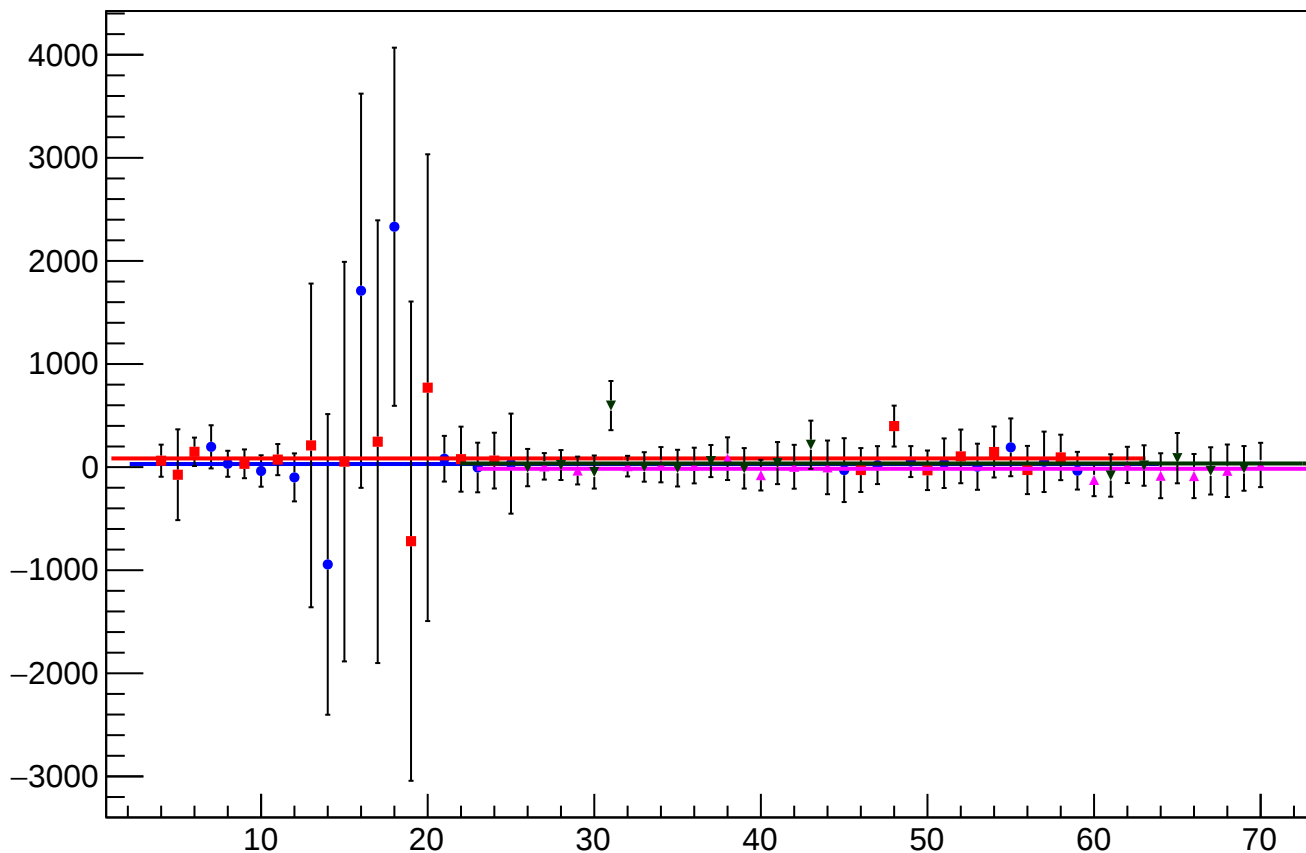
Right Out: 12.312 $\pm$ 0.003 χ^2 /NDF: 6373010.7/18

Left In: 16.217 $\pm$ 0.004 χ^2 /NDF: 348267.6/14

14.125 $\pm$ 0.003 χ^2 /NDF: 6345964.6/32

13.920 $\pm$ 0.003 χ^2 /NDF: 7268942.0/33

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs slug



Right In: 30.011+/-52.267 χ^2/NDF : 4.7/17

Left Out: 35.358+/-48.160 χ^2/NDF : 7.2/14

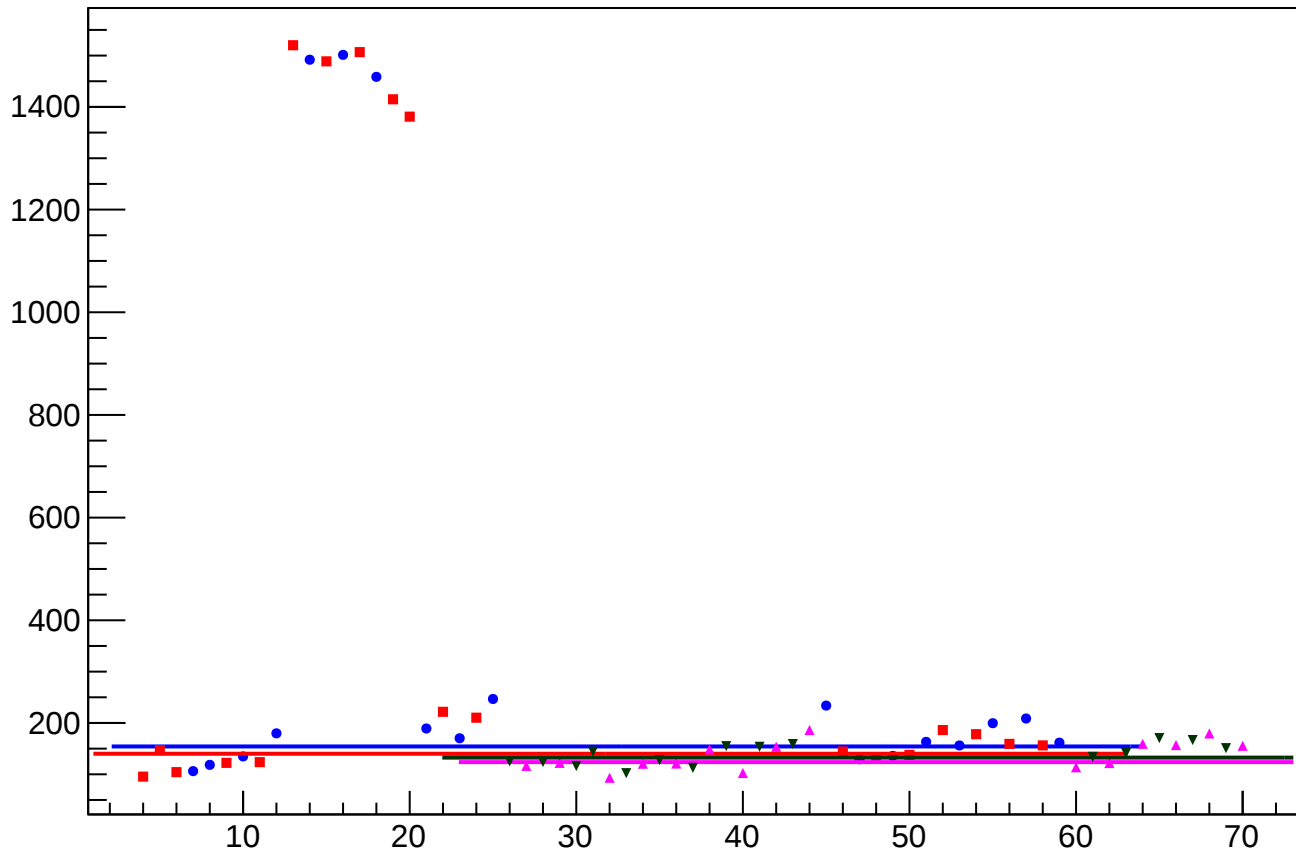
Right Out: 84.316+/-52.424 χ^2/NDF : 4.2/18

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

32.903+/-35.417 χ^2/NDF : 11.9/32

24.274+/-33.244 χ^2/NDF : 7.7/33

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs slug



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

Left Out: 132.501+/-0.034 χ^2/NDF : 344407.8/14

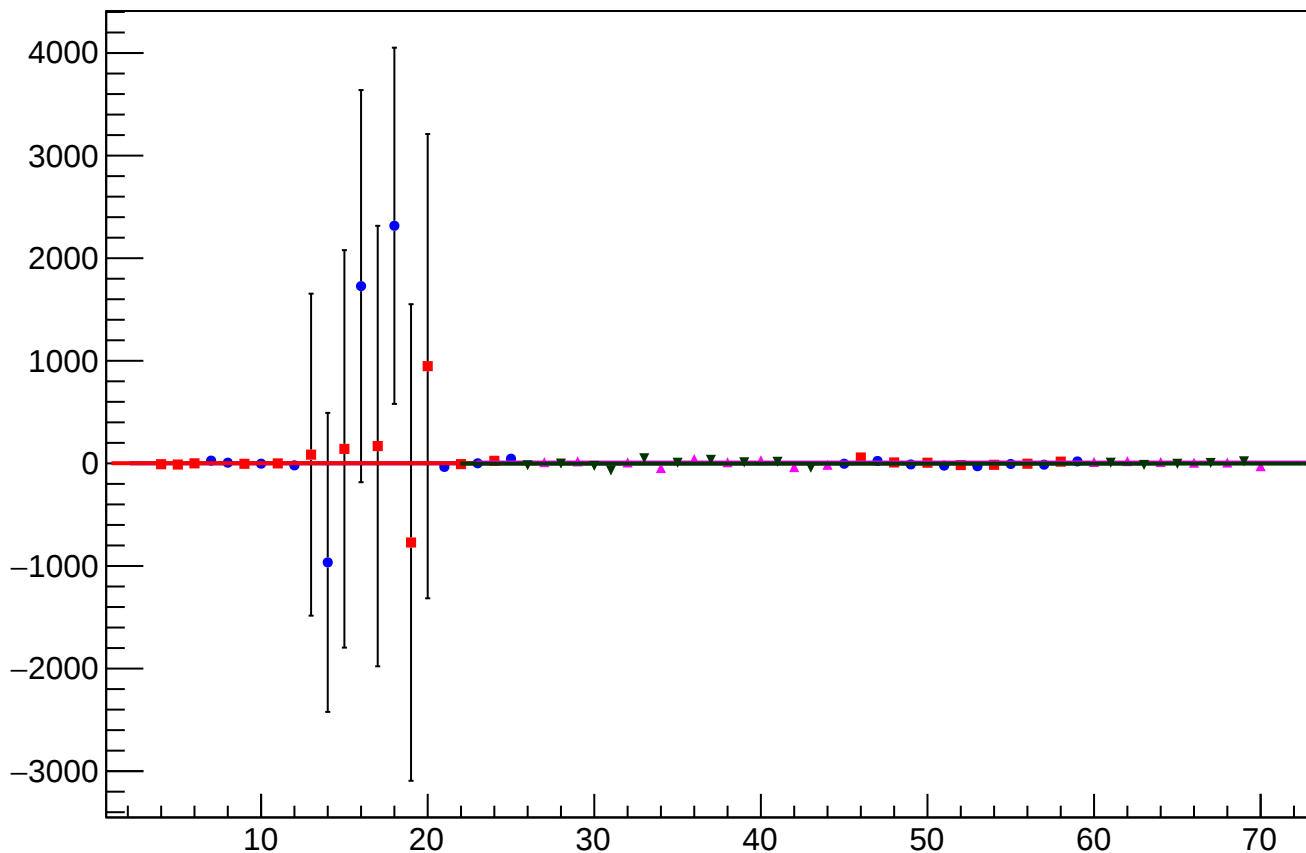
Right Out: 140.050+/-0.037 χ^2/NDF : 5289912.8/18

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

142.480+/-0.025 χ^2/NDF : 5116295.1/32

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

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs slug



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

Left Out: -1.913 $\pm$ 5.806 χ^2 /NDF:19.1/14

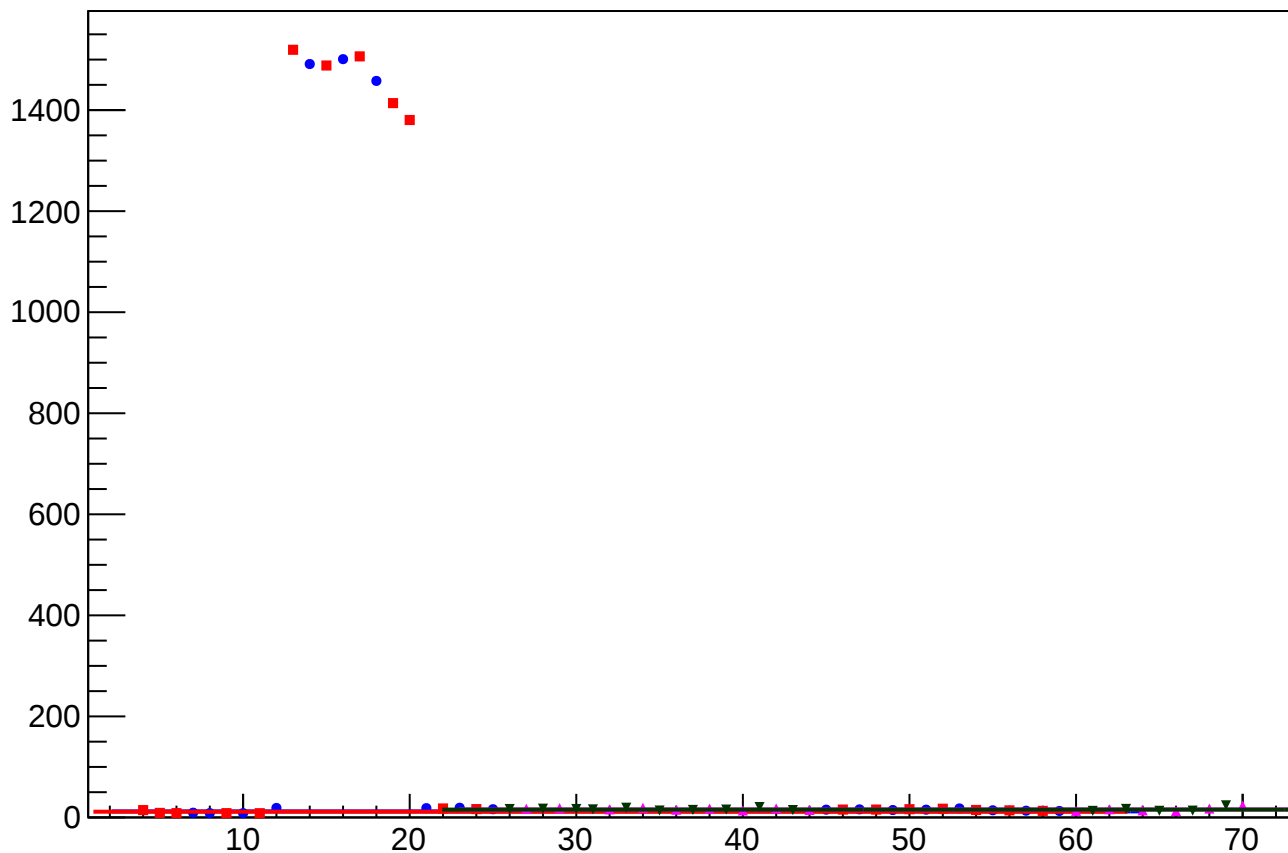
Right Out: 1.782 $\pm$ 4.470 χ^2 /NDF: 10.1/18

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

-0.261 $\pm$ 3.463 χ^2 /NDF: 35.2/32

4.451 $\pm$ 3.491 χ^2 /NDF: 23.9/33

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs slug



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

Left Out: 15.569 $\pm$ 0.004 χ^2 /NDF: 339836.4/14

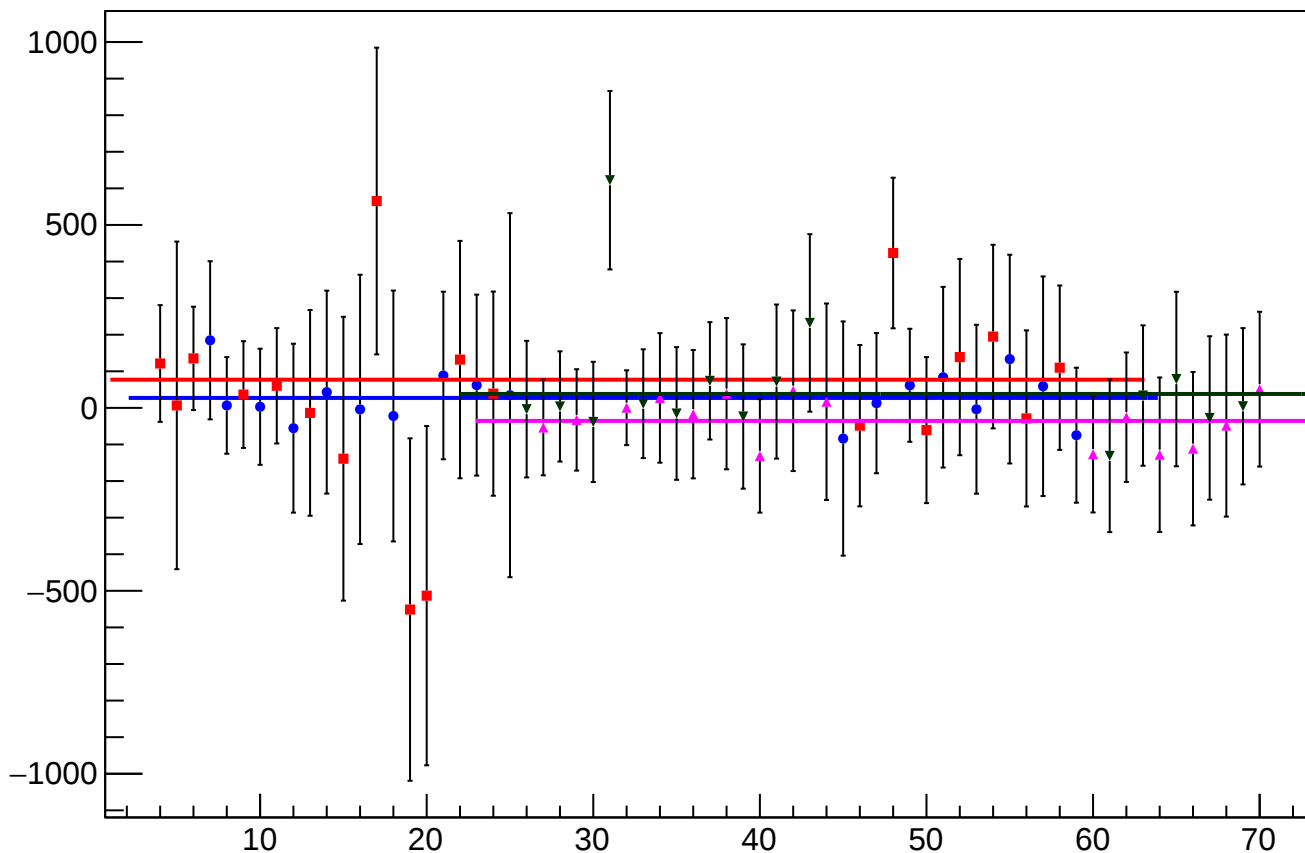
Right Out: 11.361 $\pm$ 0.003 χ^2 /NDF: 6645877.2/18

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

13.279 $\pm$ 0.002 χ^2 /NDF: 6884690.8/32

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

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs slug



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

Left Out: 38.056+/-49.026 χ^2/NDF : 7.8/14

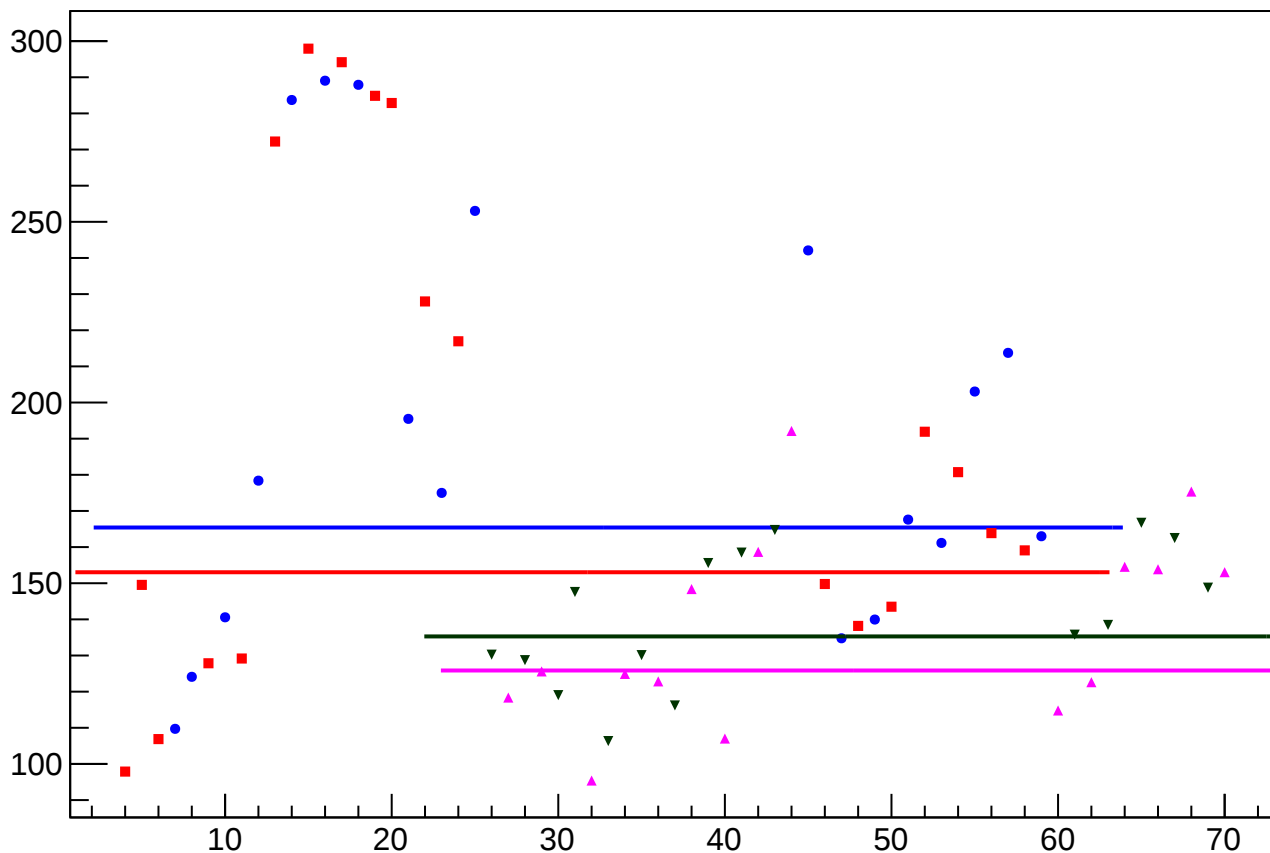
Right Out: 77.113+/-51.687 χ^2/NDF : 9.7/18

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

32.940+/-35.612 χ^2/NDF : 9.3/32

11.321+/-33.340 χ^2/NDF : 14.3/33

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs slug



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

Left Out: 135.281+/-0.035 χ^2/NDF : 283669.1/14

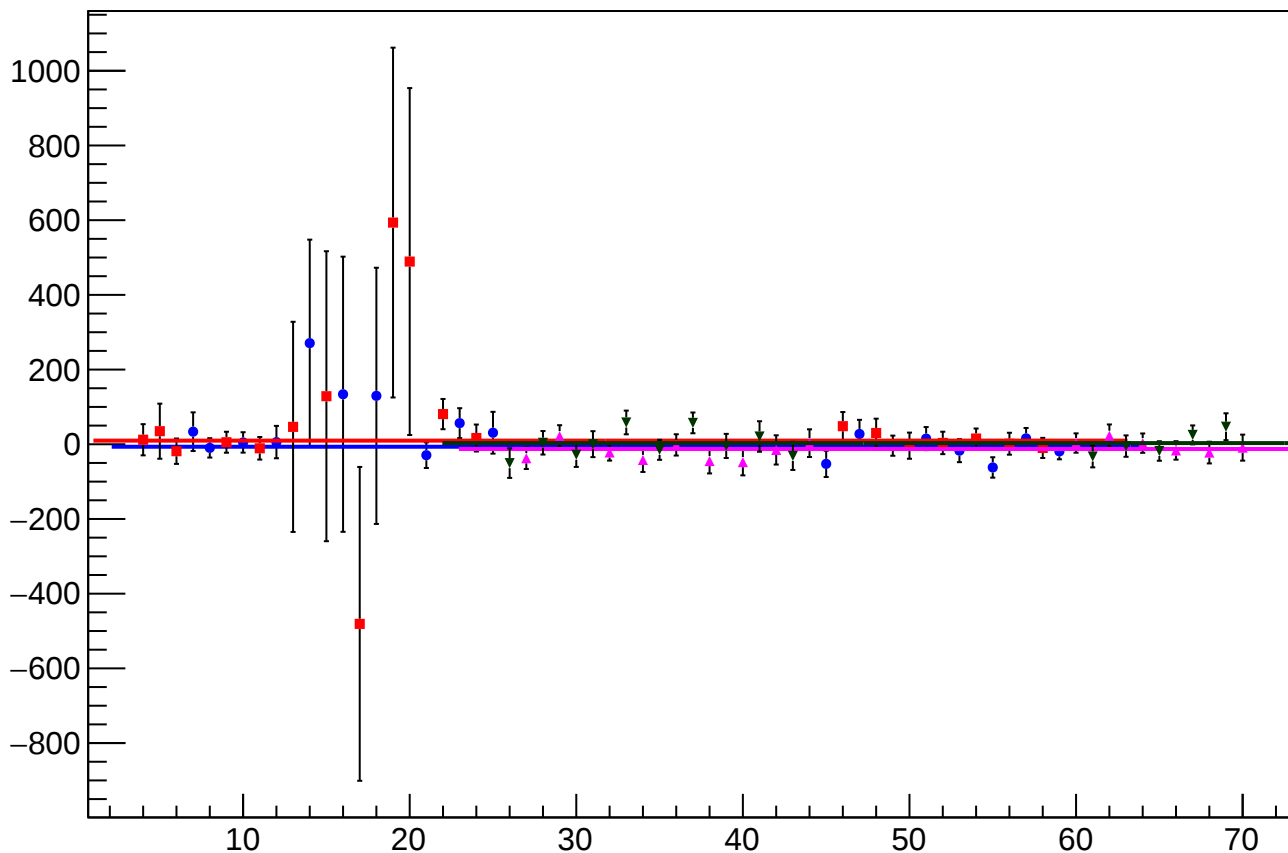
149.517+/-0.025 χ^2/NDF : 2277071.0/32

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

137.166+/-0.024 χ^2/NDF : 2960601.9/33

Left In: 125.855+/-0.031 χ^2/NDF : 599692.4/14

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs slug



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

Left Out: 3.159+/-8.022 χ^2/NDF : 15.6/14

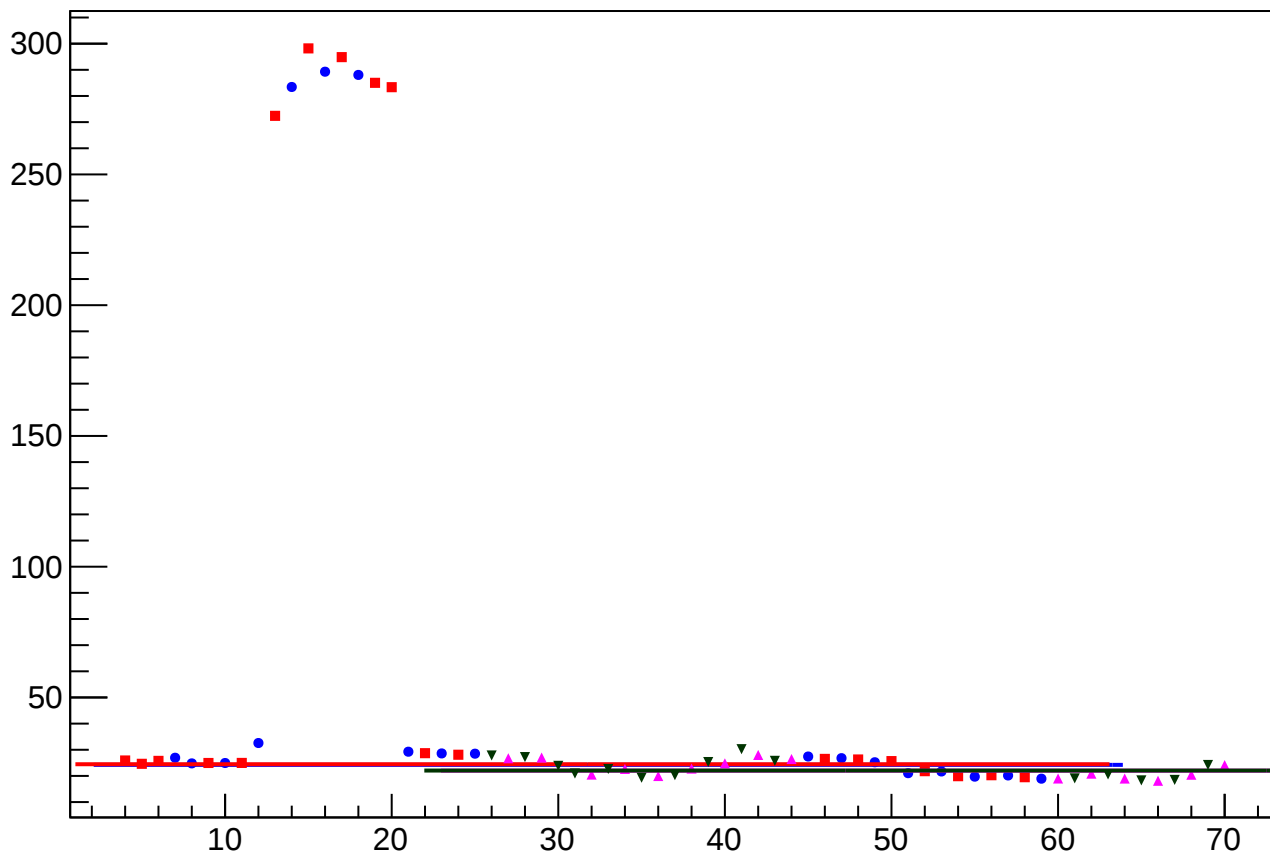
Right Out: 9.755+/-8.898 χ^2/NDF : 10.7/18

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

-1.679+/-5.688 χ^2/NDF : 30.1/32

-3.240+/-5.767 χ^2/NDF : 21.9/33

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs slug



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

Left Out: 22.052+/-0.006 χ^2/NDF : 368579.5/14

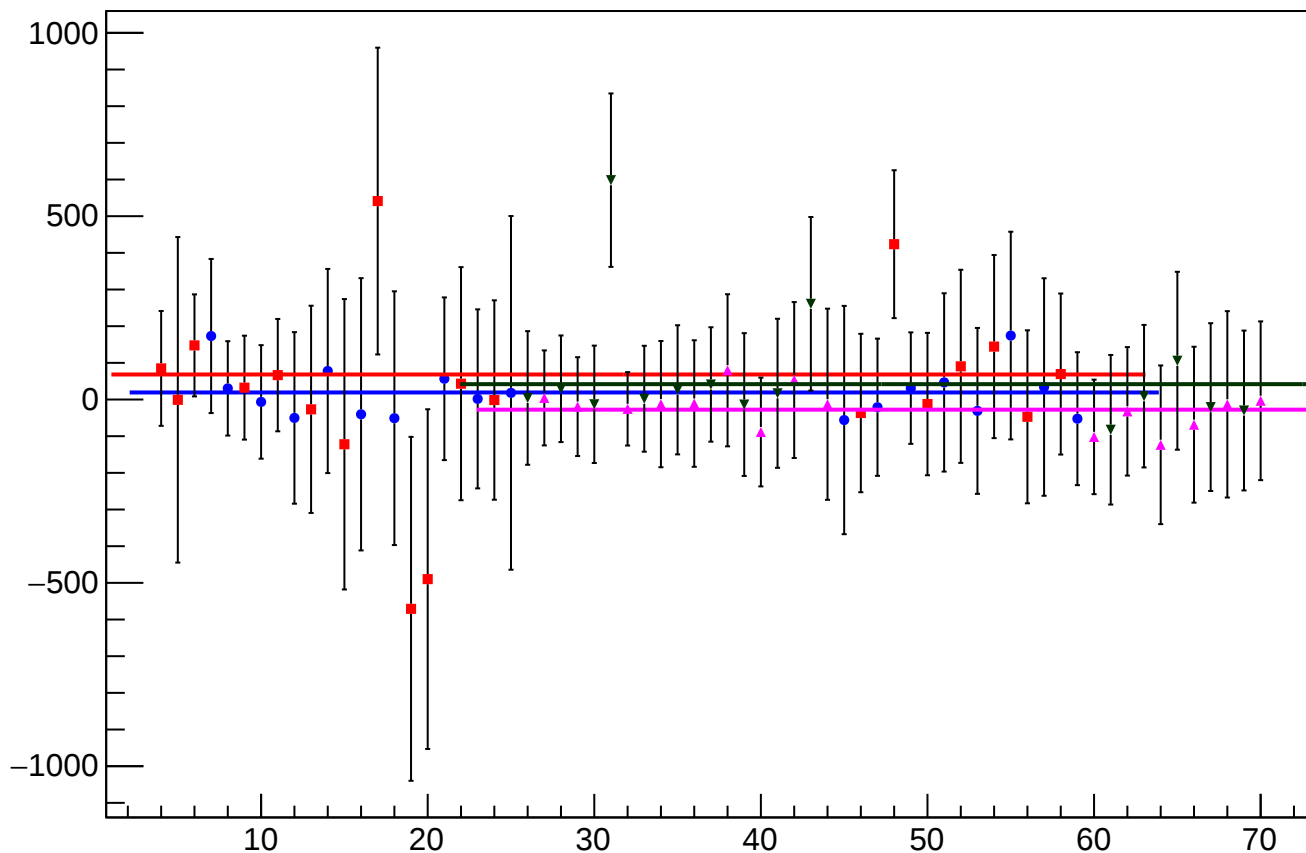
Right Out: 24.466+/-0.006 χ^2/NDF : 4859985.2/18

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

23.133+/-0.004 χ^2/NDF : 4854651.7/32

23.039+/-0.004 χ^2/NDF : 5289151.1/33

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs slug



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

Left Out: 41.902+/-48.130 χ^2/NDF : 7.4/14

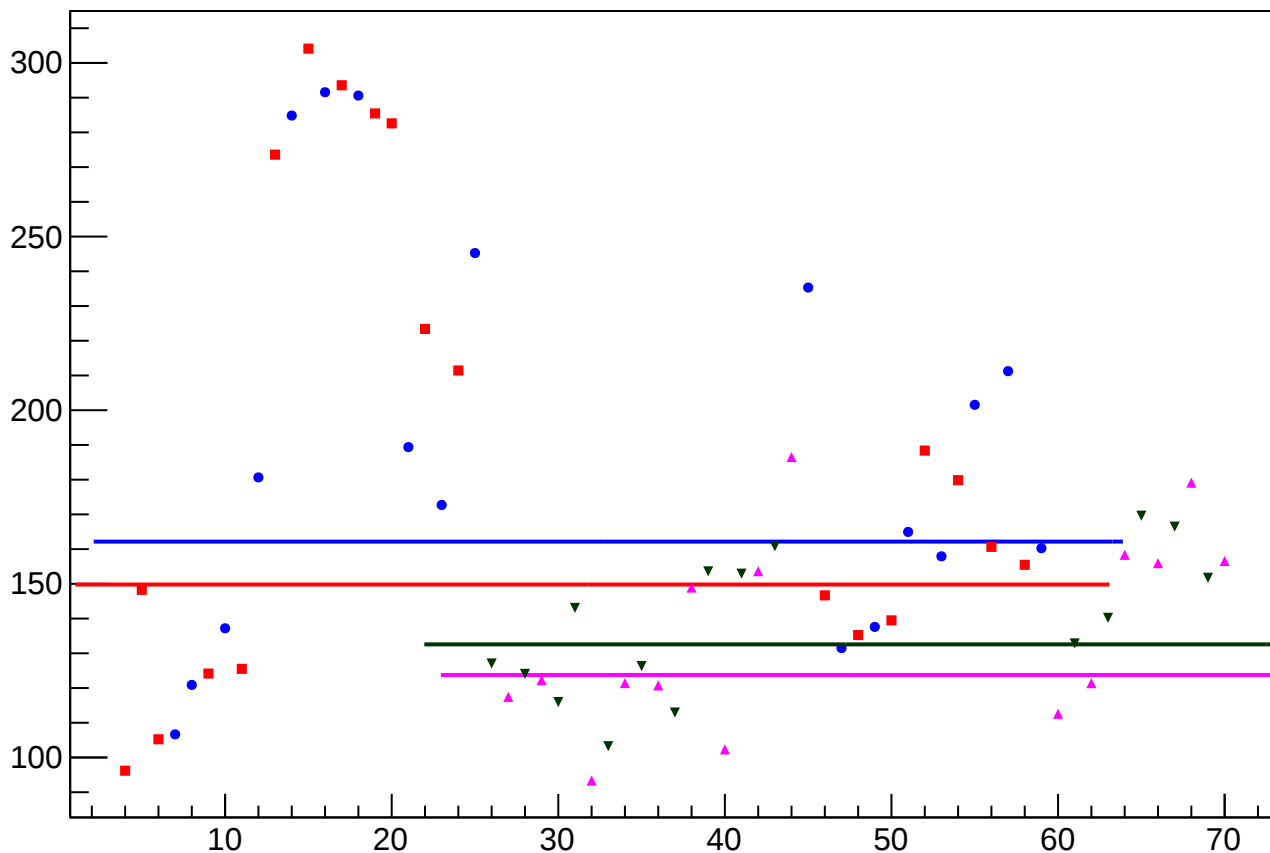
Right Out: 68.308+/-50.710 χ^2/NDF : 9.3/18

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

31.218+/-34.976 χ^2/NDF : 8.9/32

12.455+/-32.789 χ^2/NDF : 12.5/33

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs slug



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

Left Out: 132.571+/-0.034 χ^2/NDF : 331630.1/14

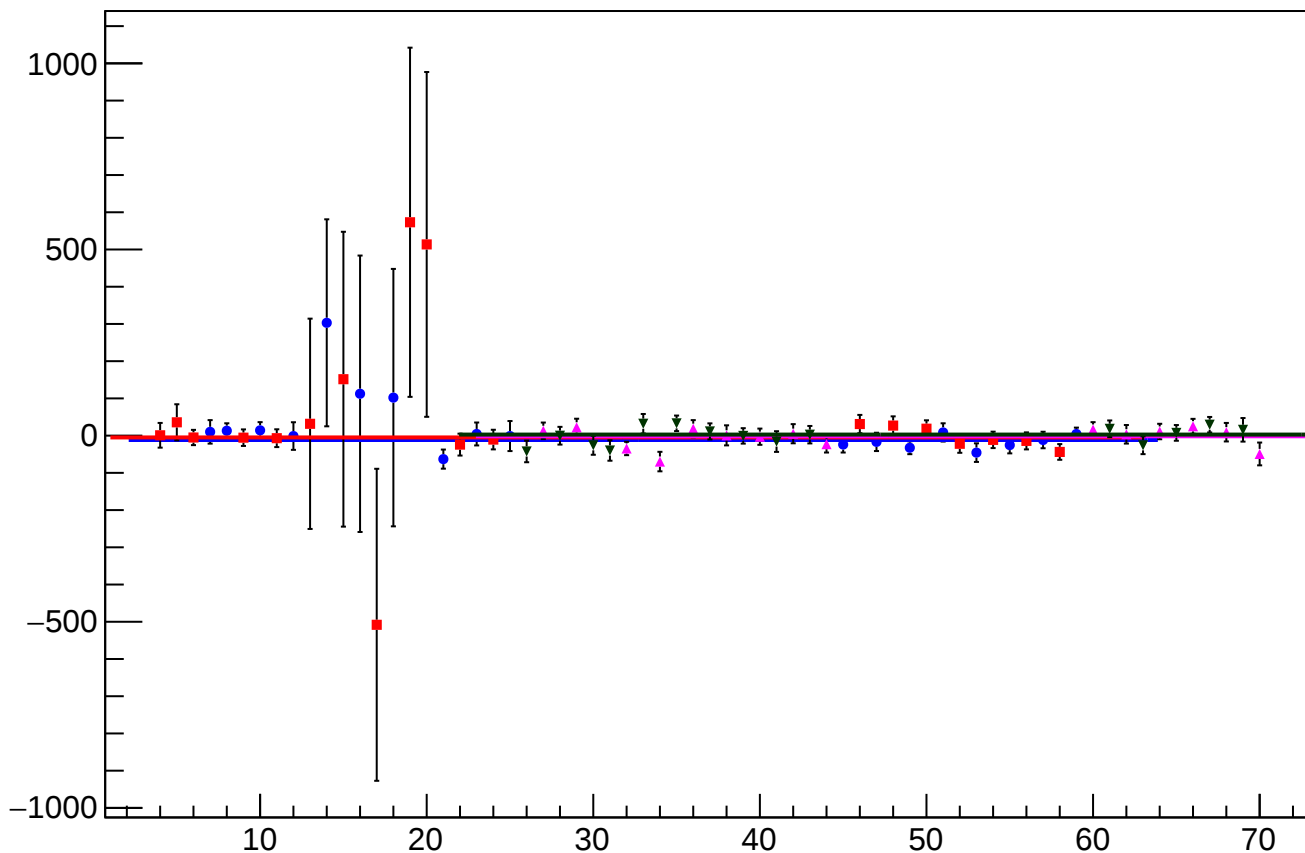
146.538+/-0.025 χ^2/NDF : 2409115.2/32

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

134.649+/-0.023 χ^2/NDF : 3087348.1/33

Left In: 123.760+/-0.030 χ^2/NDF : 665785.9/14

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs slug



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

Left Out: 2.833 ± 6.150 $\chi^2/\text{NDF}: 13.9/14$

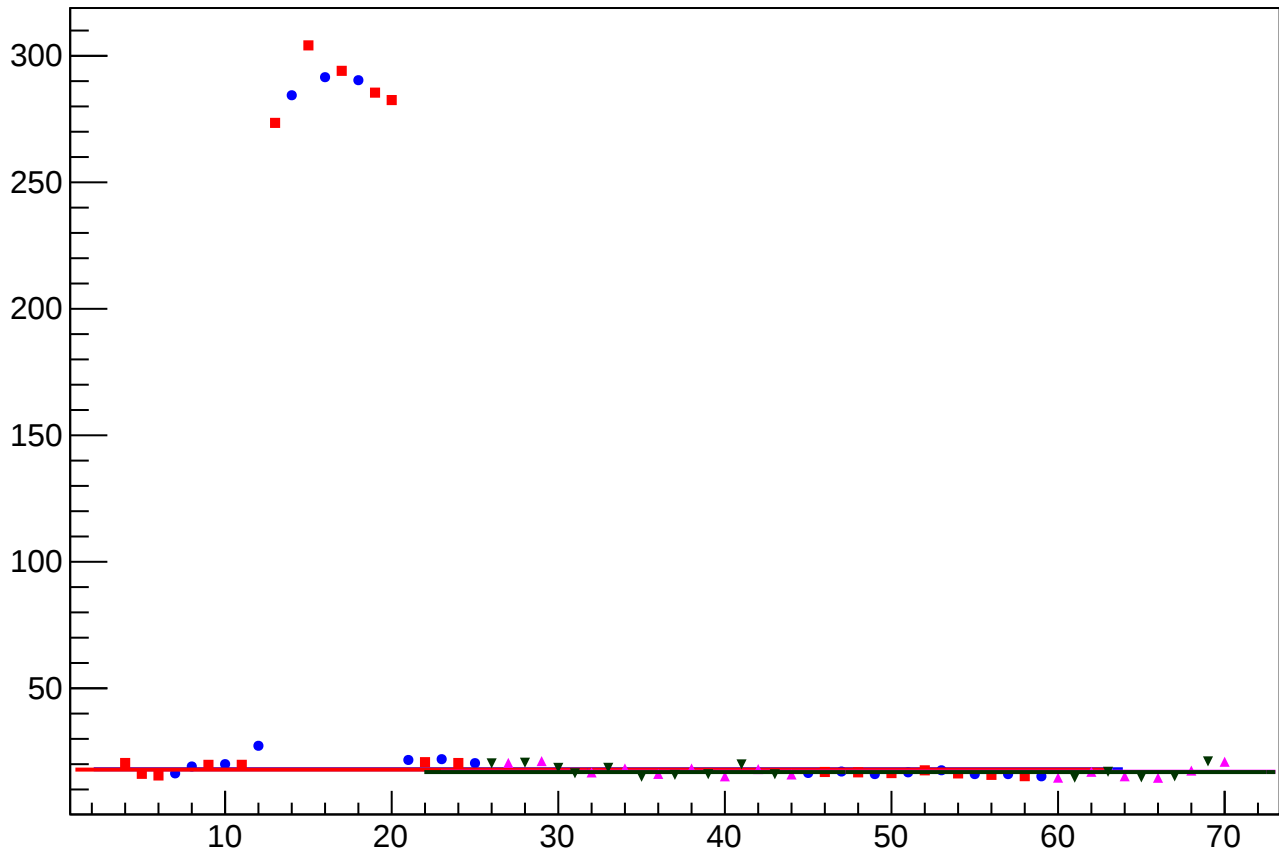
Right Out: -4.846 ± 6.550 $\chi^2/\text{NDF}: 14.7/18$

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

-4.577 ± 4.308 $\chi^2/\text{NDF}: 31.7/32$

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

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs slug



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

Left Out: 16.877+/-0.004 χ^2/NDF : 233295.6/14

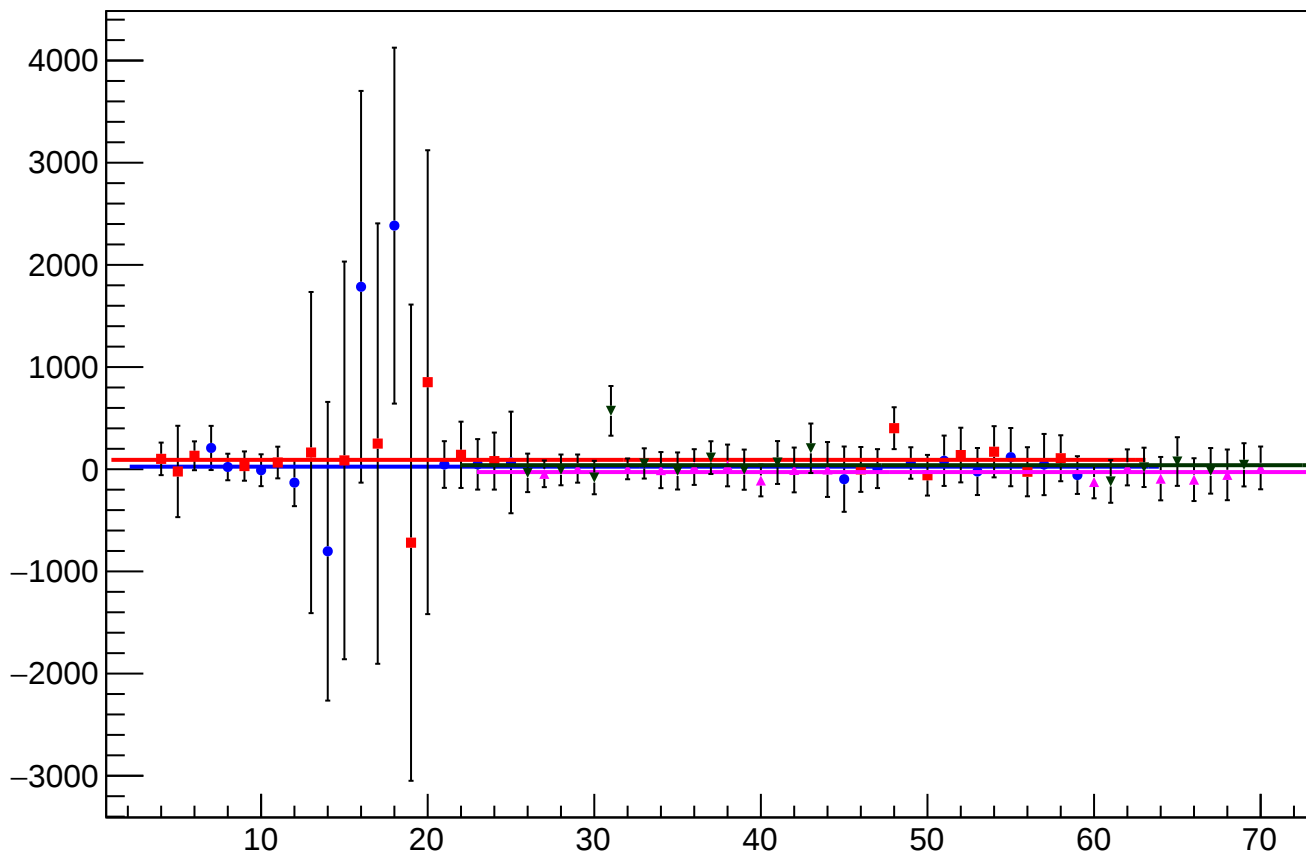
Right Out: 17.855+/-0.005 χ^2/NDF : 5034119.1/18

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

17.443+/-0.003 χ^2/NDF : 4791770.6/32

17.400+/-0.003 χ^2/NDF : 5306533.2/33

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs slug



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

Left Out: 39.429+/-48.962 χ^2/NDF : 7.1/14

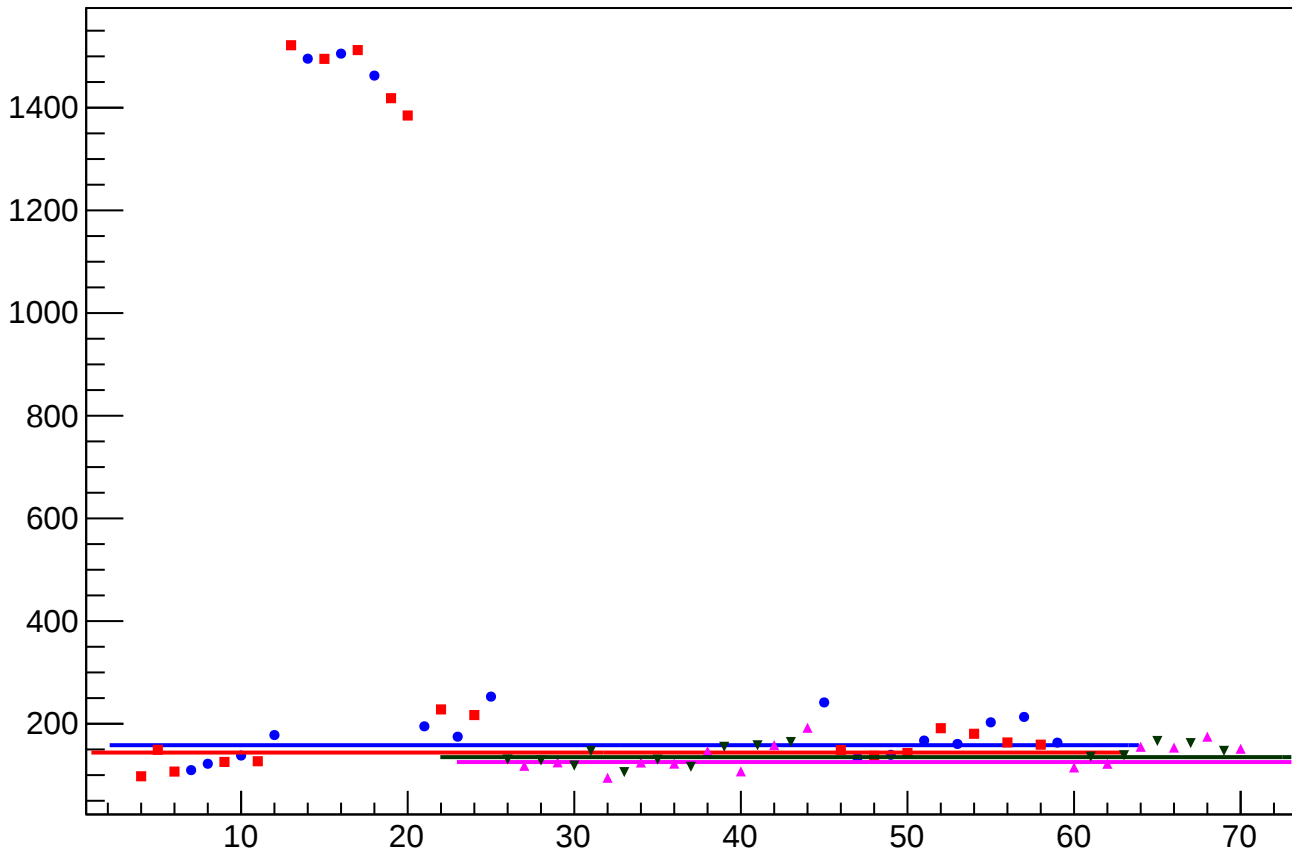
Right Out: 91.771+/-53.823 χ^2/NDF : 4.0/18

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

32.910+/-36.131 χ^2/NDF : 12.0/32

19.473+/-33.830 χ^2/NDF : 8.4/33

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs slug



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

Left Out: 135.021 ± 0.035 χ^2/NDF : 284034.8/14

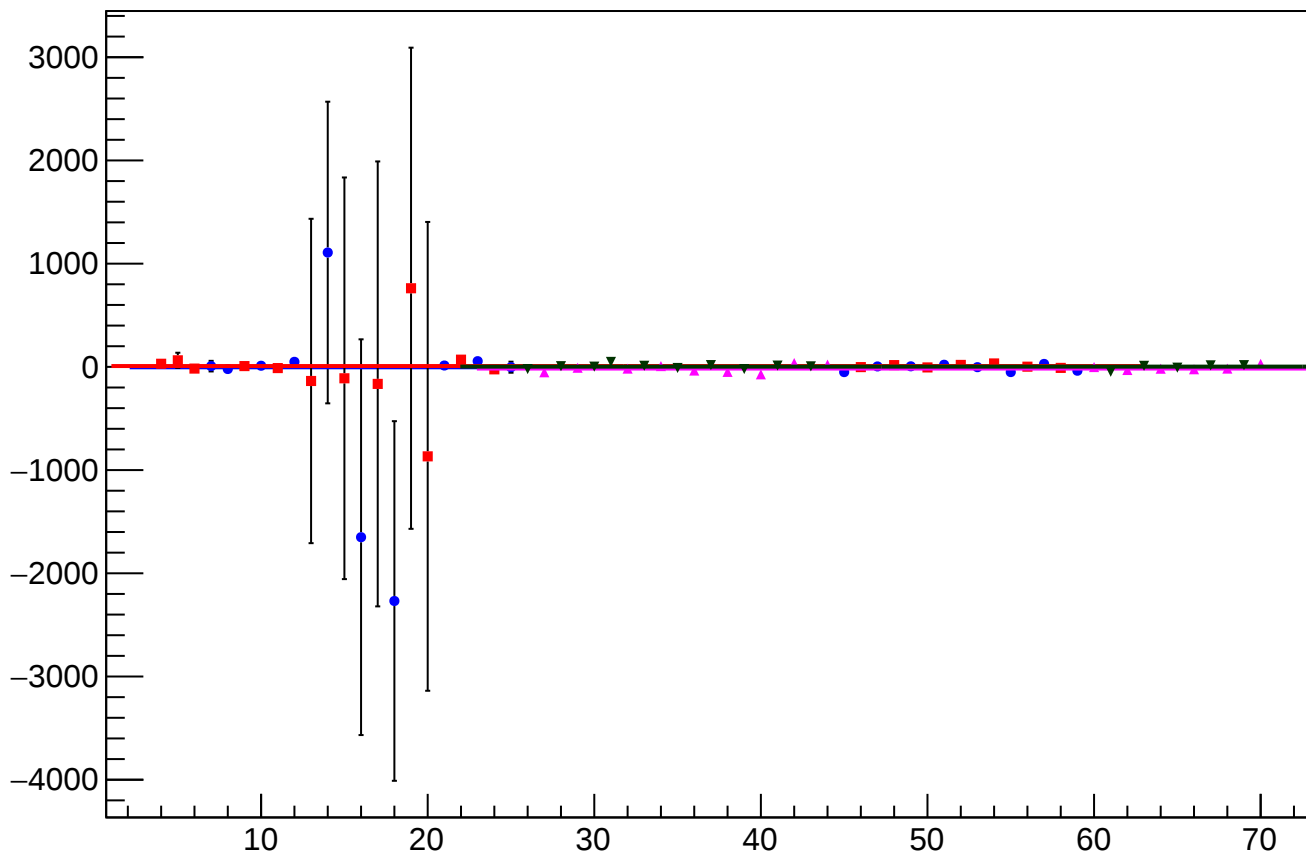
Right Out: 143.939 ± 0.038 χ^2/NDF : 5267987.5/18

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

145.612 ± 0.026 χ^2/NDF : 5028510.8/32

132.748 ± 0.024 χ^2/NDF : 6012327.4/33

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: 2.466+/-7.615 χ^2/NDF : 7.4/14

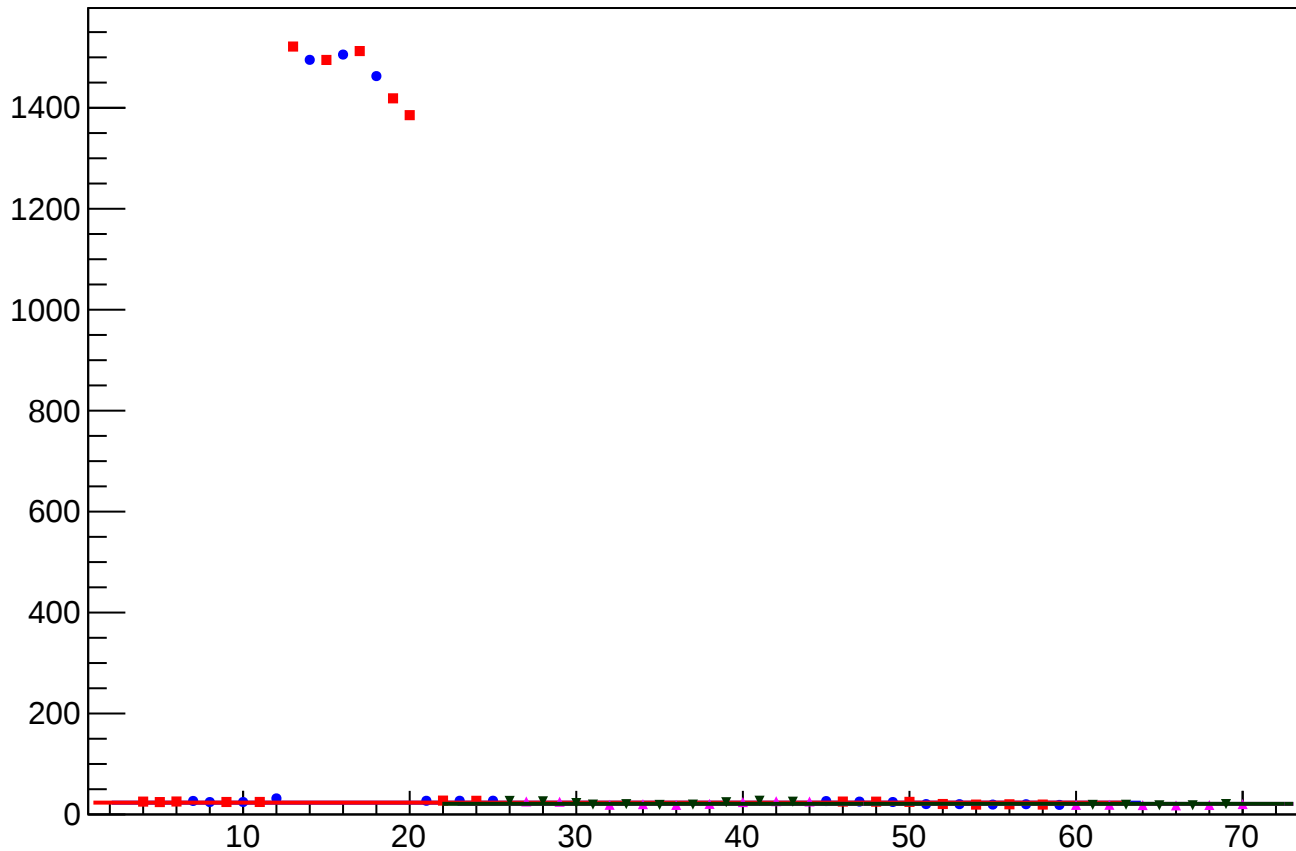
Right Out: 7.973+/-8.718 χ^2/NDF : 7.3/18

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

-0.692+/-5.474 χ^2/NDF : 25.3/32

-6.638+/-5.515 χ^2/NDF : 25.2/33

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs slug



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

Left Out: 21.060+/-0.005 χ^2 /NDF:307780.9/14

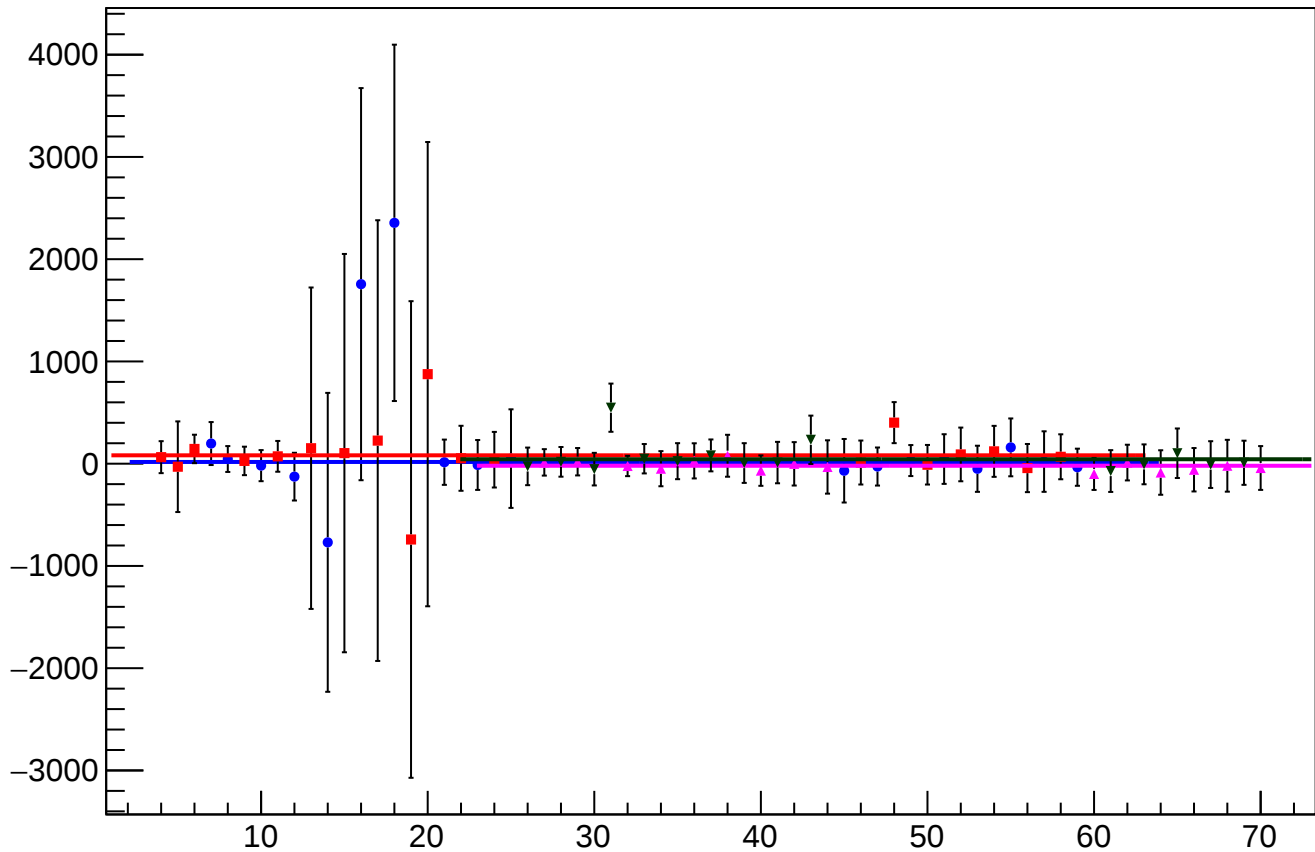
Right Out: 23.445+/-0.006 χ^2 /NDF: 5561556.7/18

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

22.160+/-0.004 χ^2 /NDF: 5359315.4/32

21.884+/-0.004 χ^2 /NDF: 5979975.7/33

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: 43.477+/-48.063 χ^2/NDF : 6.4/14

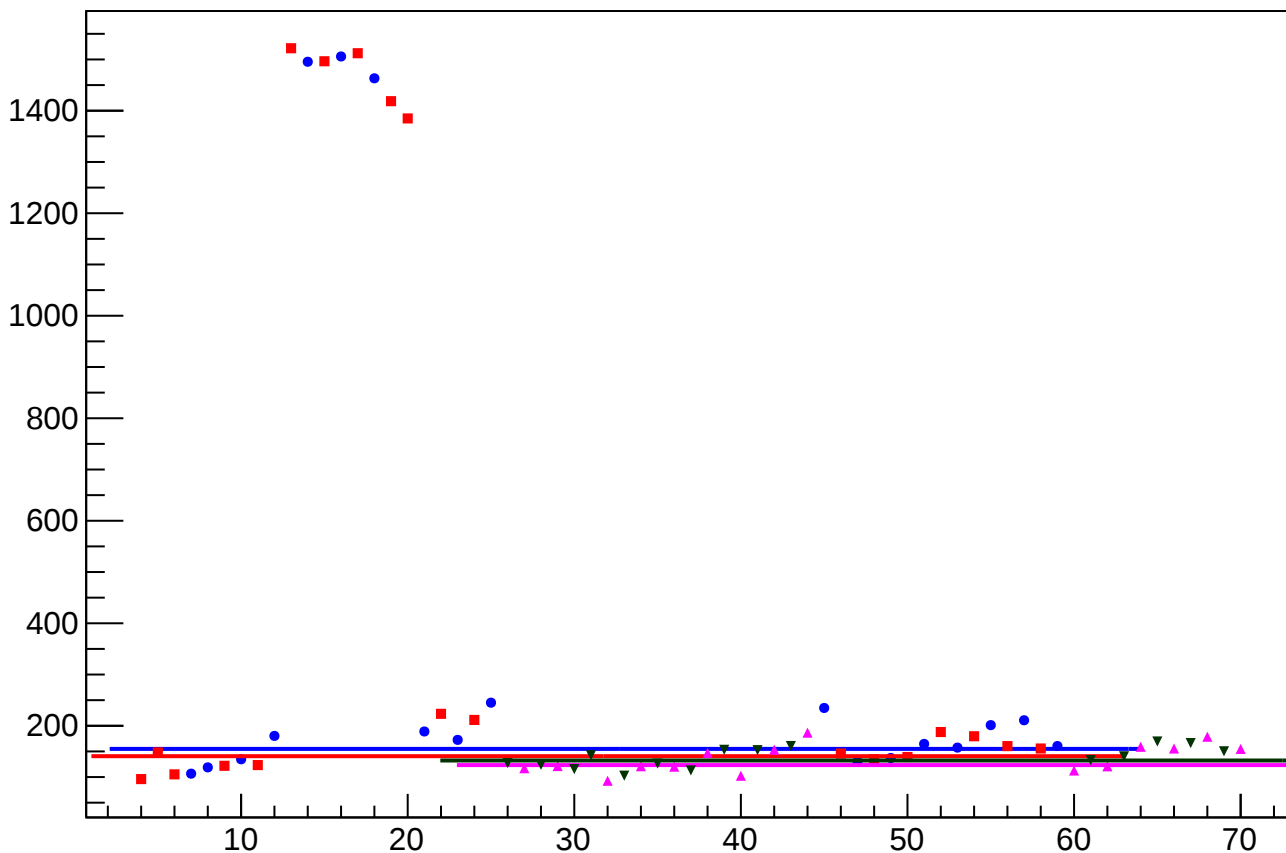
Right Out: 81.906+/-52.666 χ^2/NDF : 3.9/18

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

31.372+/-35.447 χ^2/NDF : 11.3/32

20.500+/-33.237 χ^2/NDF : 7.2/33

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs slug



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

142.632 $\pm$ 0.025 χ^2 /NDF: 5115200.0/32

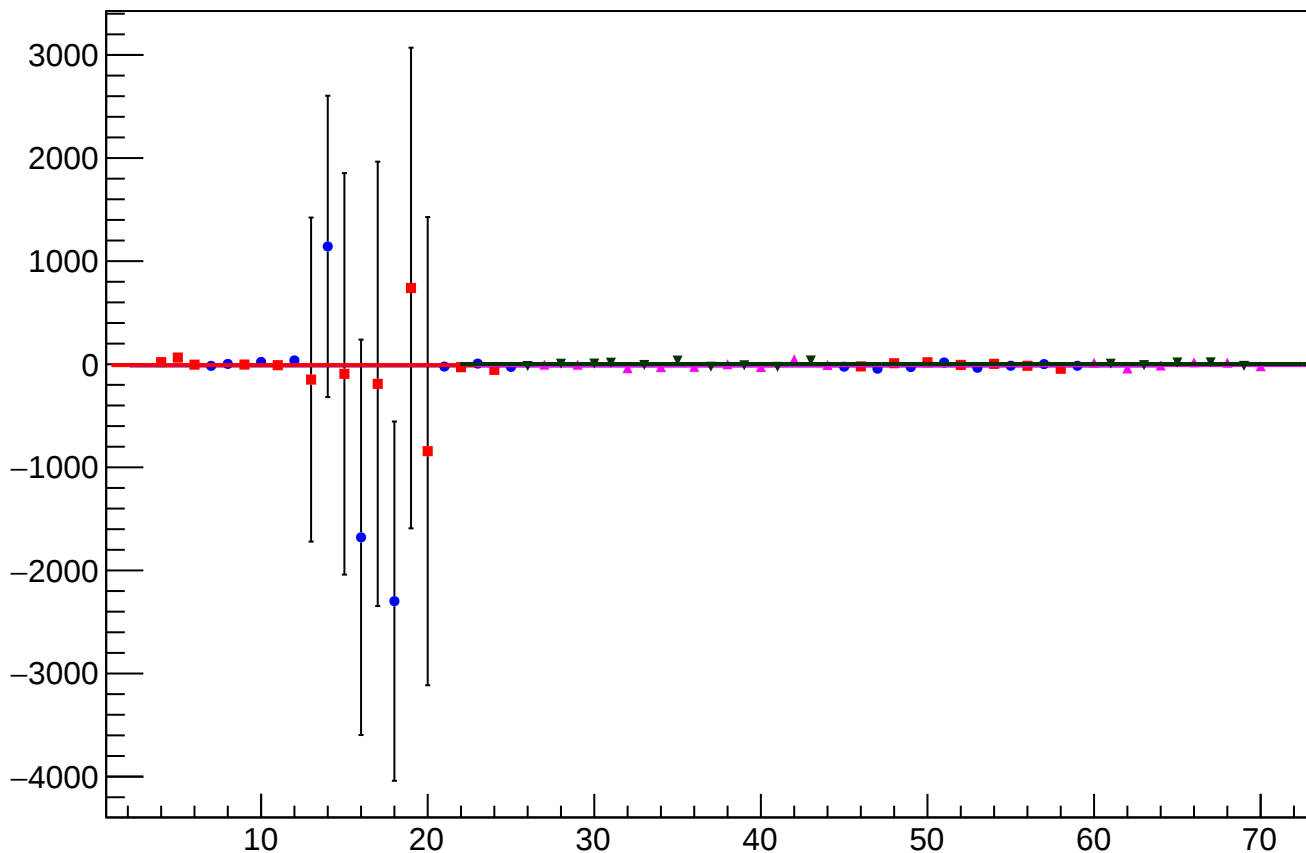
Left Out: 132.306 $\pm$ 0.034 χ^2 /NDF: 332192.6/14

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

130.261 $\pm$ 0.024 χ^2 /NDF: 6090580.1/33

Left In: 123.345 $\pm$ 0.030 χ^2 /NDF: 667756.4/14

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs slug



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

Left Out: 2.495 $\pm$ 5.728 χ^2 /NDF: 11.4/14

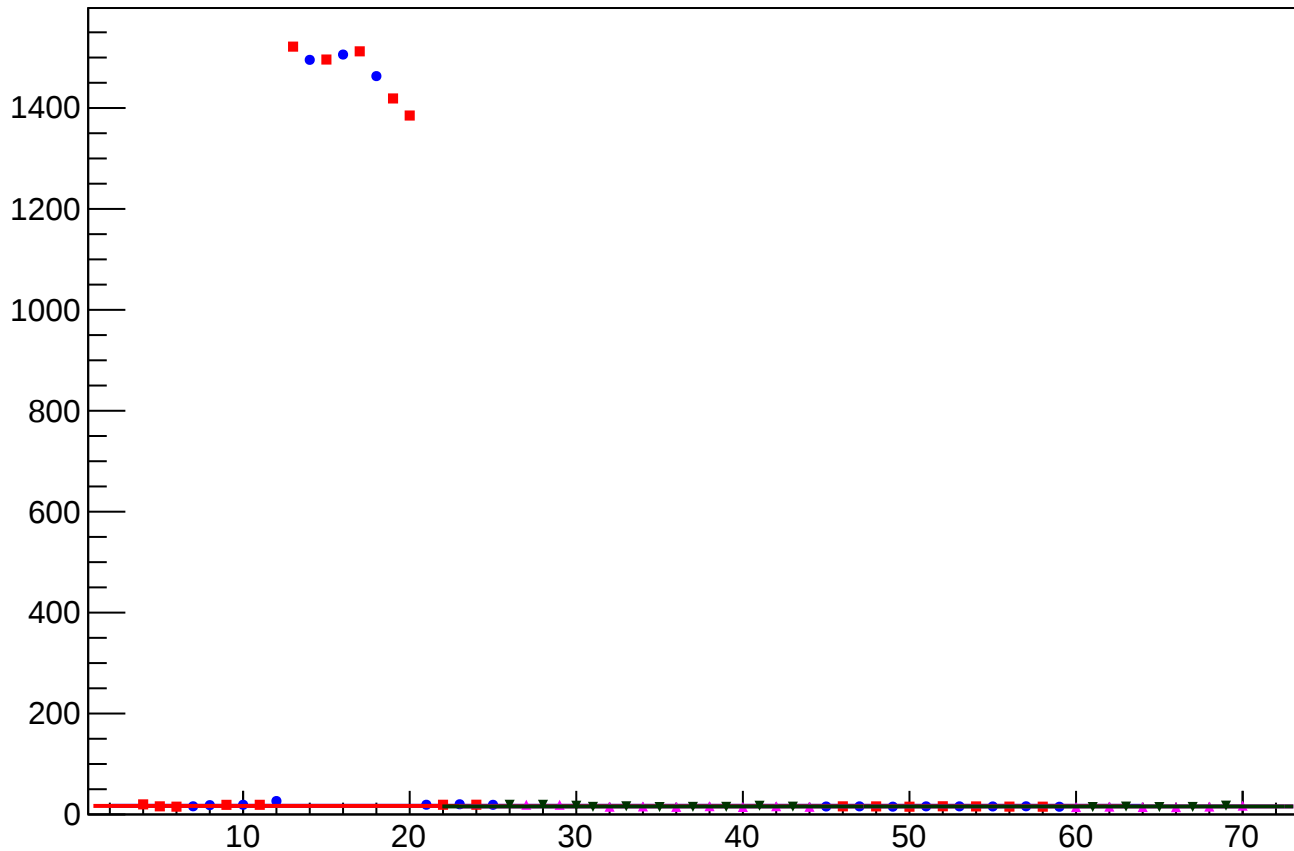
Right Out: -8.864 $\pm$ 6.293 χ^2 /NDF: 13.3/18

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

-4.364 $\pm$ 4.066 χ^2 /NDF: 29.2/32

-8.475 $\pm$ 4.114 χ^2 /NDF: 31.5/33

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs slug



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

Left Out: 15.902 $\pm$ 0.004 χ^2 /NDF:128040.3/14

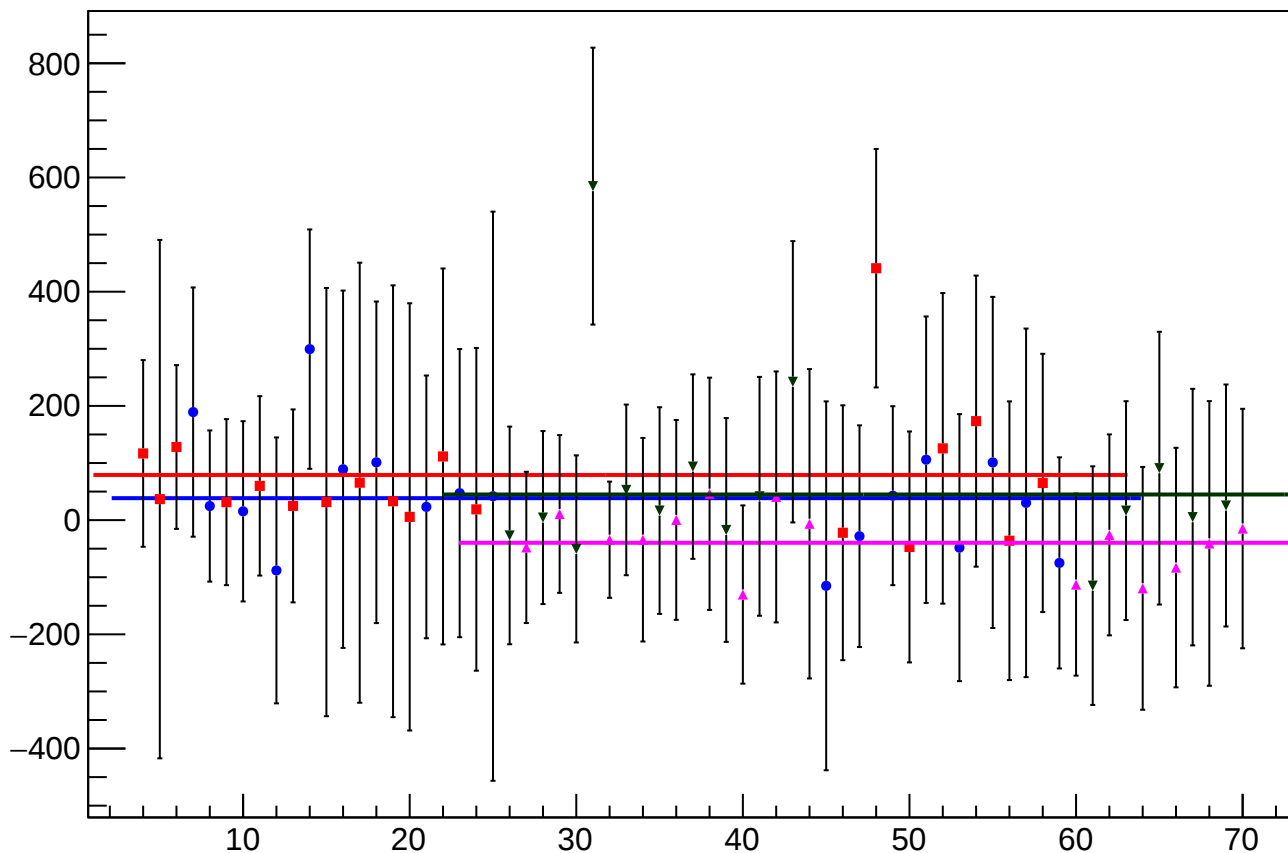
Right Out: 16.920 $\pm$ 0.004 χ^2 /NDF: 5539958.1/18

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

16.494 $\pm$ 0.003 χ^2 /NDF: 5093013.8/32

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

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs slug



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

Left Out: 44.902+/-49.133 χ^2/NDF : 7.1/14

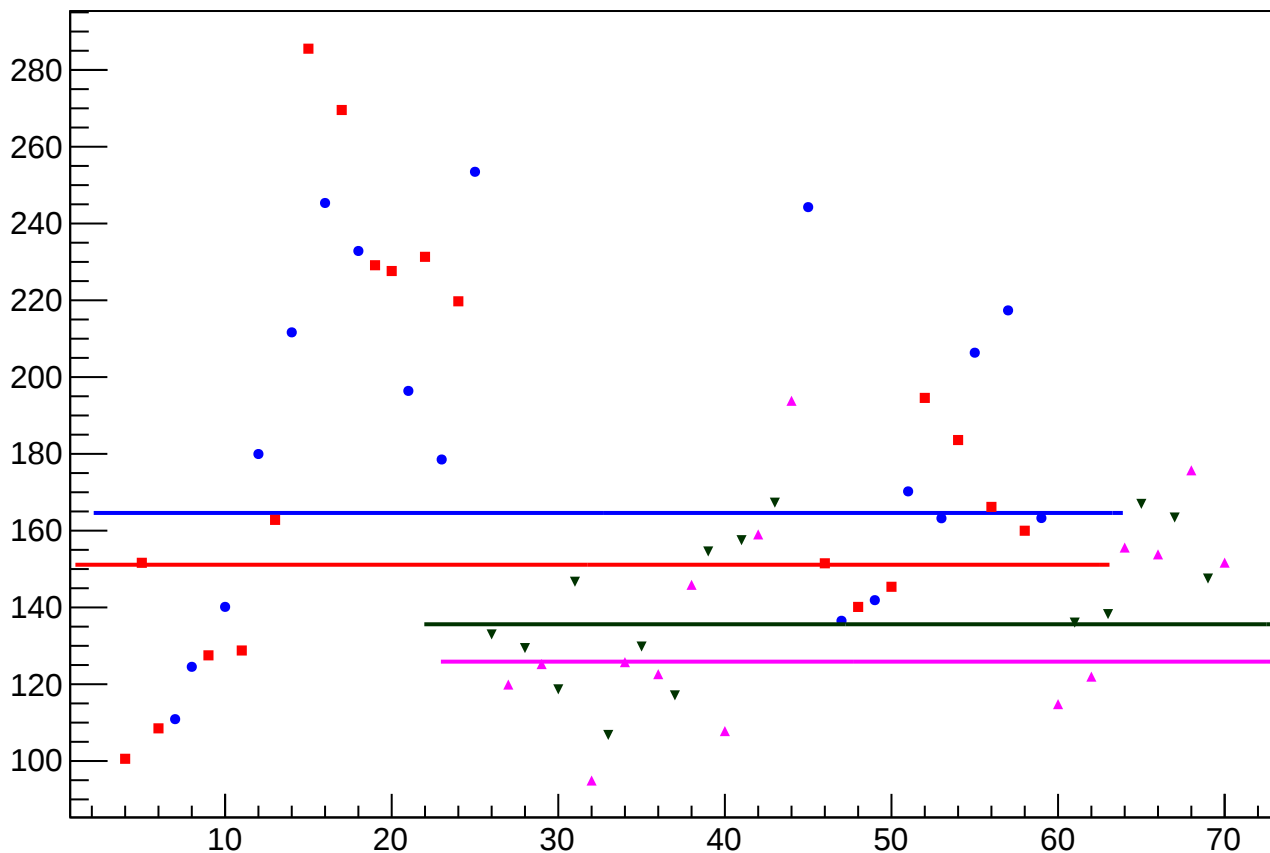
Right Out: 79.078+/-50.233 χ^2/NDF : 4.5/18

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

41.799+/-35.397 χ^2/NDF : 10.5/32

11.410+/-32.945 χ^2/NDF : 9.0/33

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs slug



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

Left Out: 135.617 $\pm$ 0.035 χ^2 /NDF: 277697.8/14

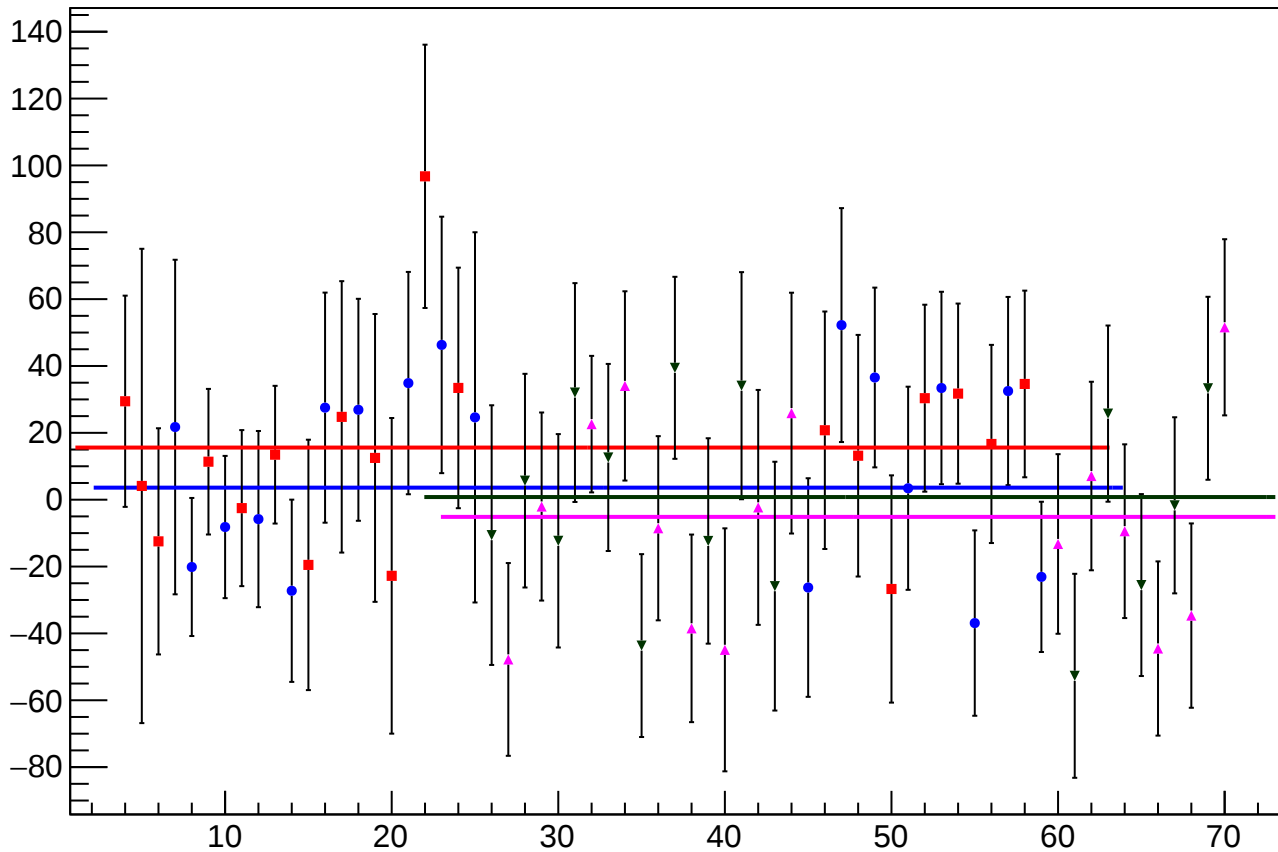
149.563 $\pm$ 0.025 χ^2 /NDF: 1741254.7/32

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

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

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

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs slug



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

Left Out: 0.792 $\pm$ 7.714 χ^2 /NDF:14.0/14

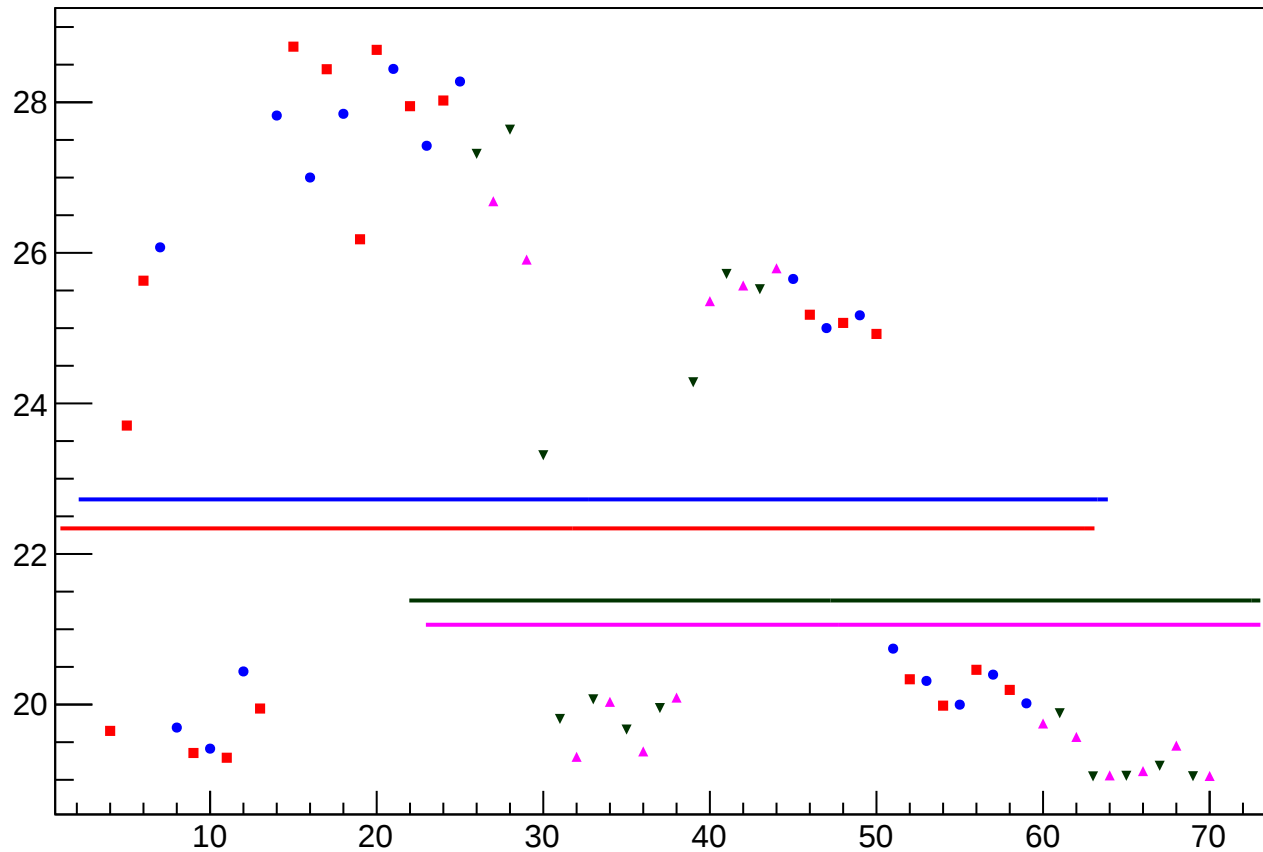
2.367 $\pm$ 5.118 χ^2 /NDF: 30.4/32

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

5.283 $\pm$ 5.064 χ^2 /NDF: 32.2/33

Left In: -5.143 $\pm$ 7.182 χ^2 /NDF:17.7/14

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: 21.382+/-0.005 χ^2/NDF : 291671.0/14

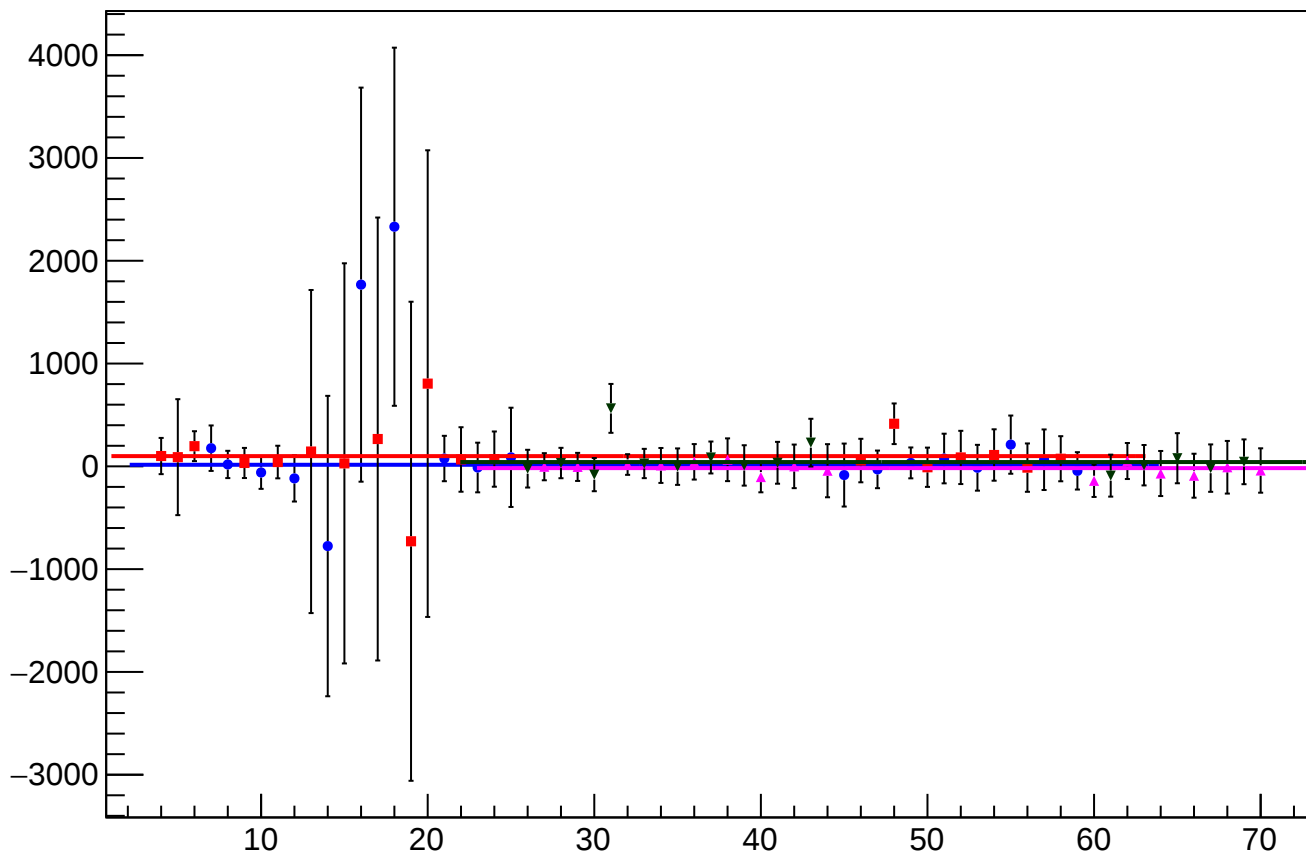
22.134+/-0.004 χ^2/NDF : 824366.8/32

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

21.703+/-0.004 χ^2/NDF : 801921.7/33

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

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs slug



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

Left Out: 41.781+/-48.271 χ^2/NDF : 6.9/14

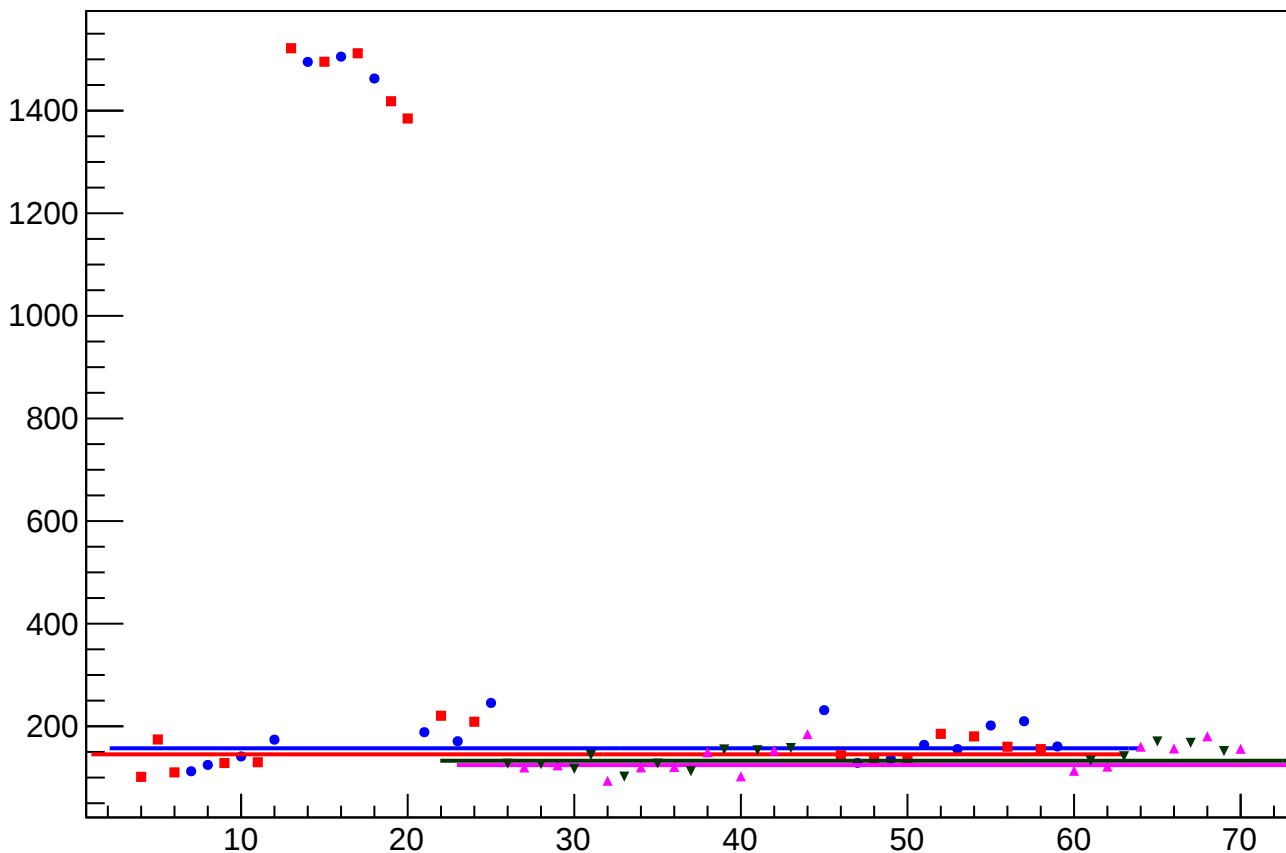
Right Out: 99.514+/-54.286 χ^2/NDF : 4.2/18

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

29.732+/-35.693 χ^2/NDF : 12.0/32

27.930+/-33.790 χ^2/NDF : 8.8/33

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs slug



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

Left Out: 132.836+/-0.034 χ^2/NDF : 341134.7/14

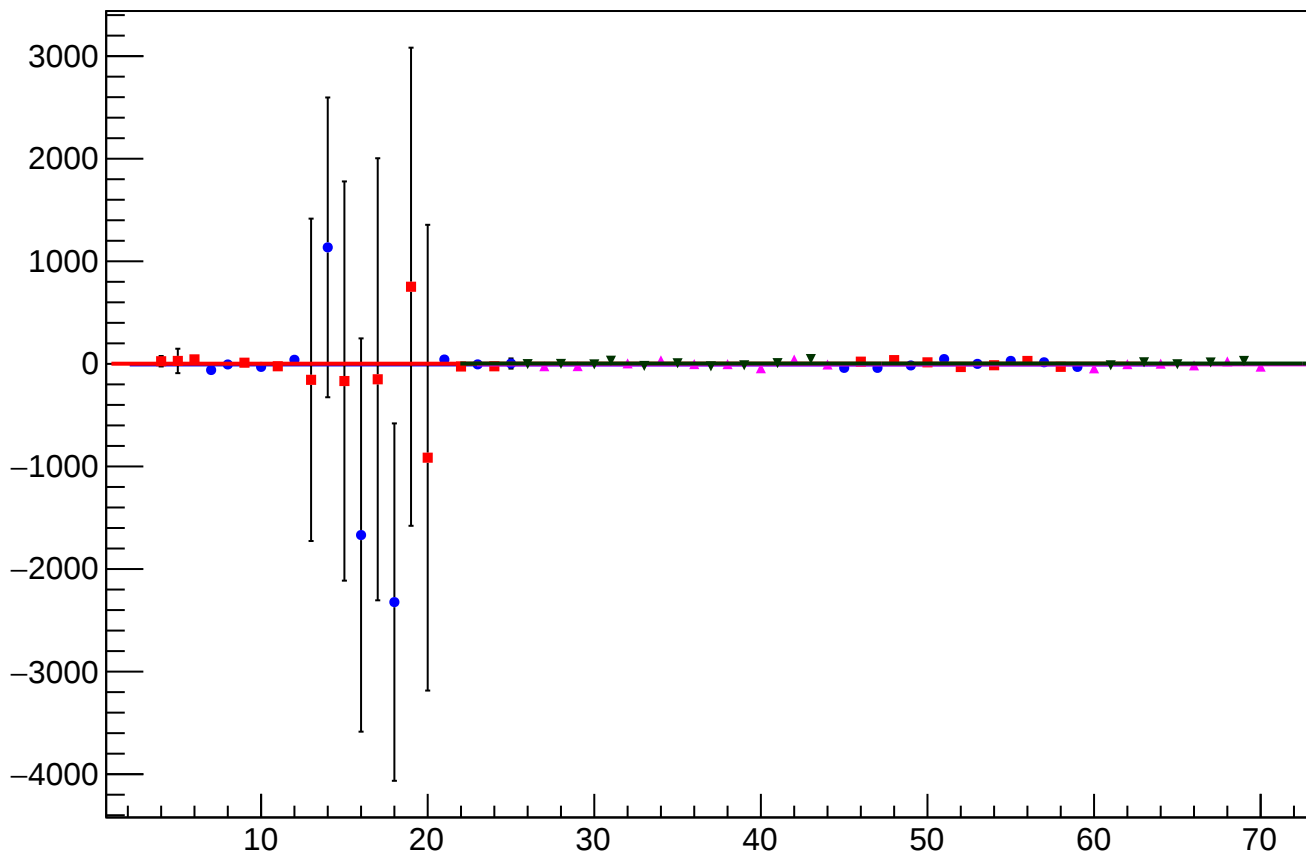
143.828+/-0.025 χ^2/NDF : 5026725.3/32

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

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

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

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs slug



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

Left Out: 3.305+/-7.451 χ^2/NDF : 6.8/14

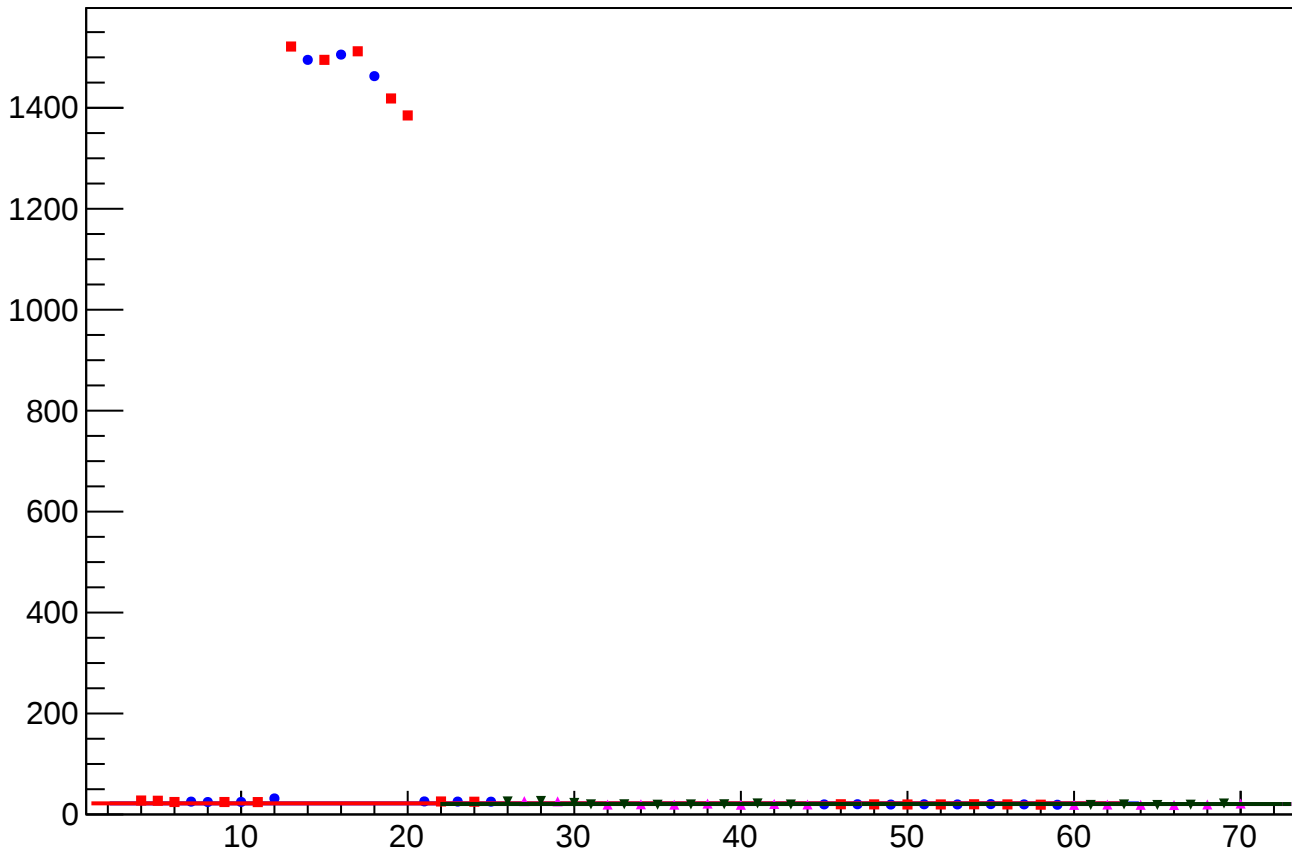
Right Out: 1.722+/-8.261 χ^2/NDF : 10.4/18

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

-1.216+/-5.247 χ^2/NDF : 26.2/32

-2.290+/-5.349 χ^2/NDF : 22.2/33

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs slug



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

Left Out: 20.693+/-0.005 χ^2/NDF :165451.0/14

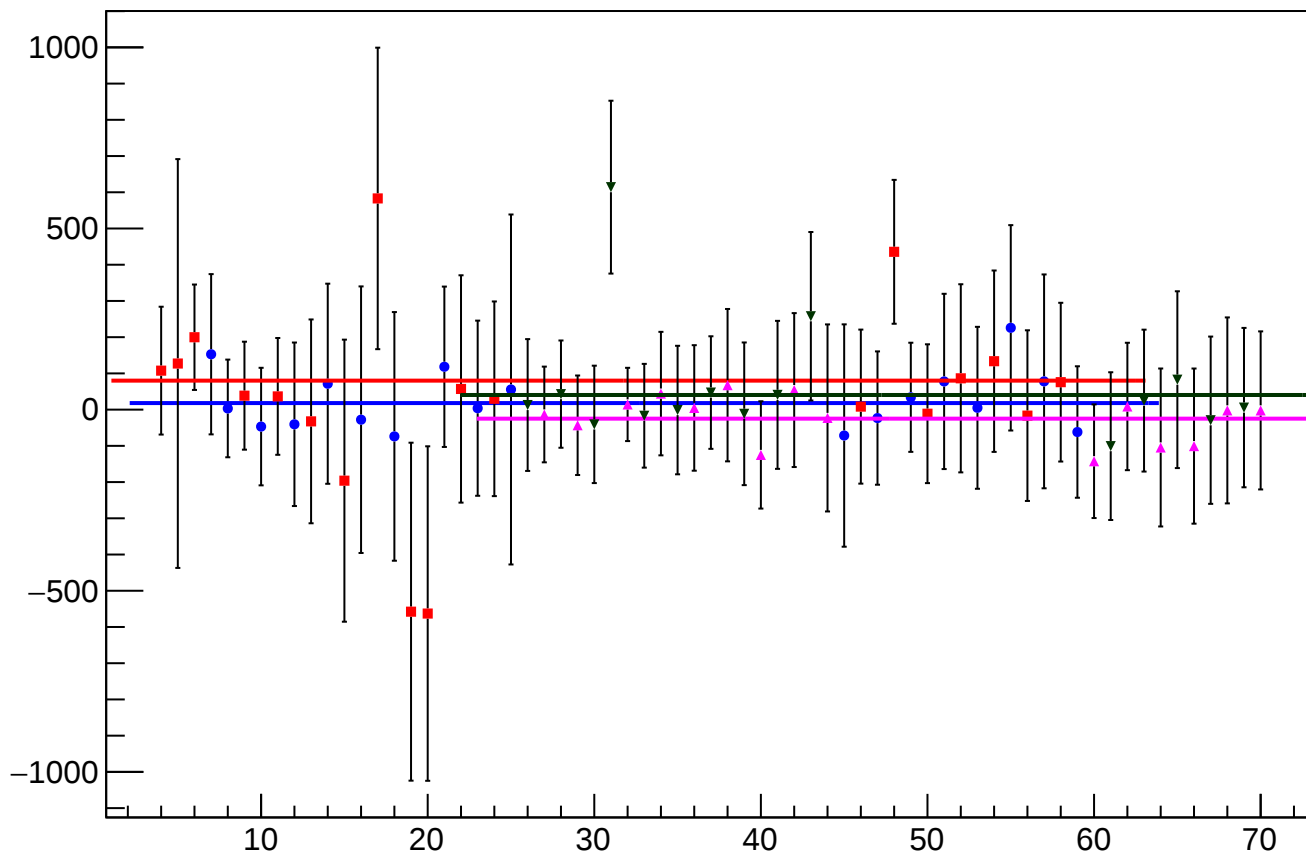
21.311+/-0.004 χ^2/NDF : 5124456.9/32

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

21.193+/-0.004 χ^2/NDF : 5793773.3/33

Left In: 20.620+/-0.005 χ^2/NDF :202022.1/14

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: 40.407 $\pm$ 48.334 χ^2 /NDF: 7.8/14

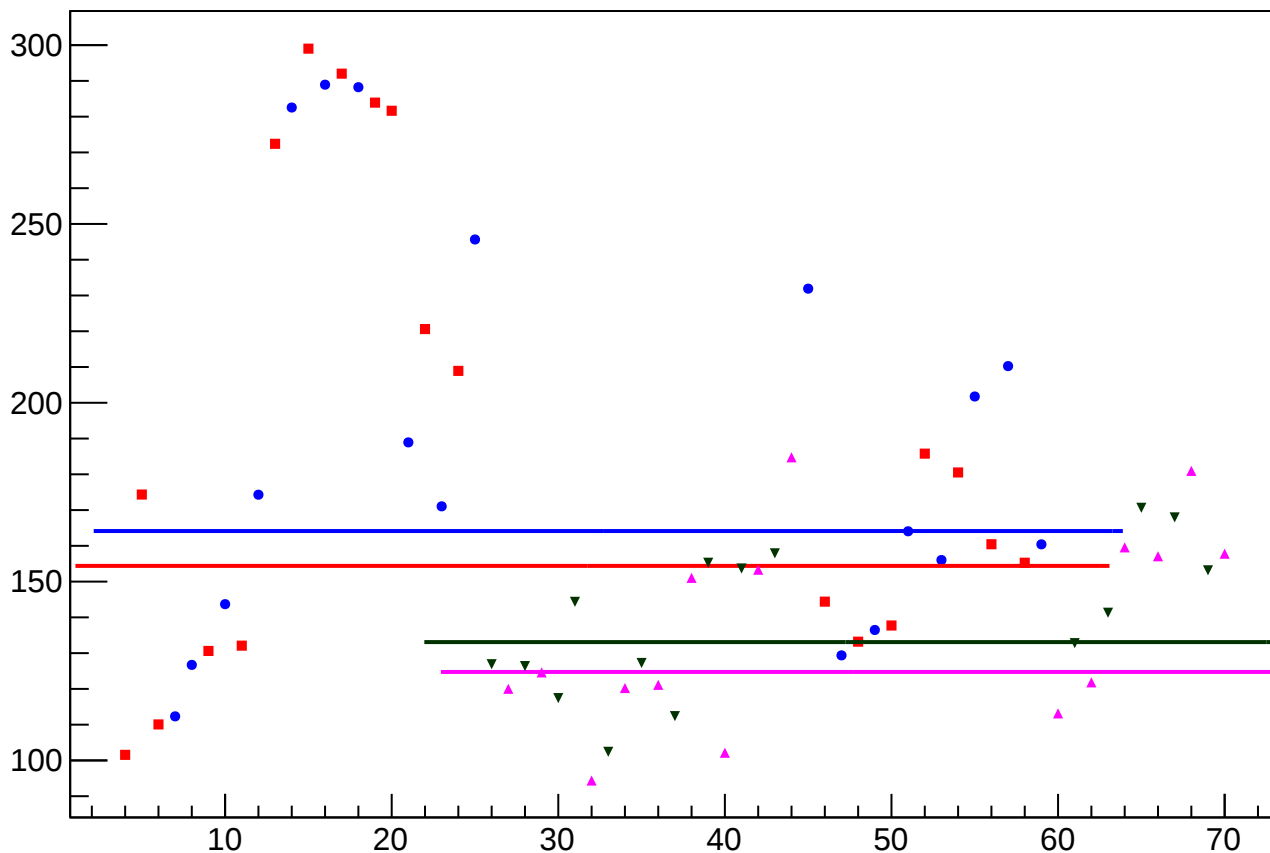
Right Out: 80.043 $\pm$ 52.081 χ^2 /NDF: 10.6/18

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

29.927 $\pm$ 35.189 χ^2 /NDF: 9.9/32

17.993 $\pm$ 33.298 χ^2 /NDF: 15.0/33

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs slug



Right In: 164.140 $\pm$ 0.036 χ^2 /NDF: 1566554.6/17

Left Out: 133.090 $\pm$ 0.034 χ^2 /NDF: 340582.0/14

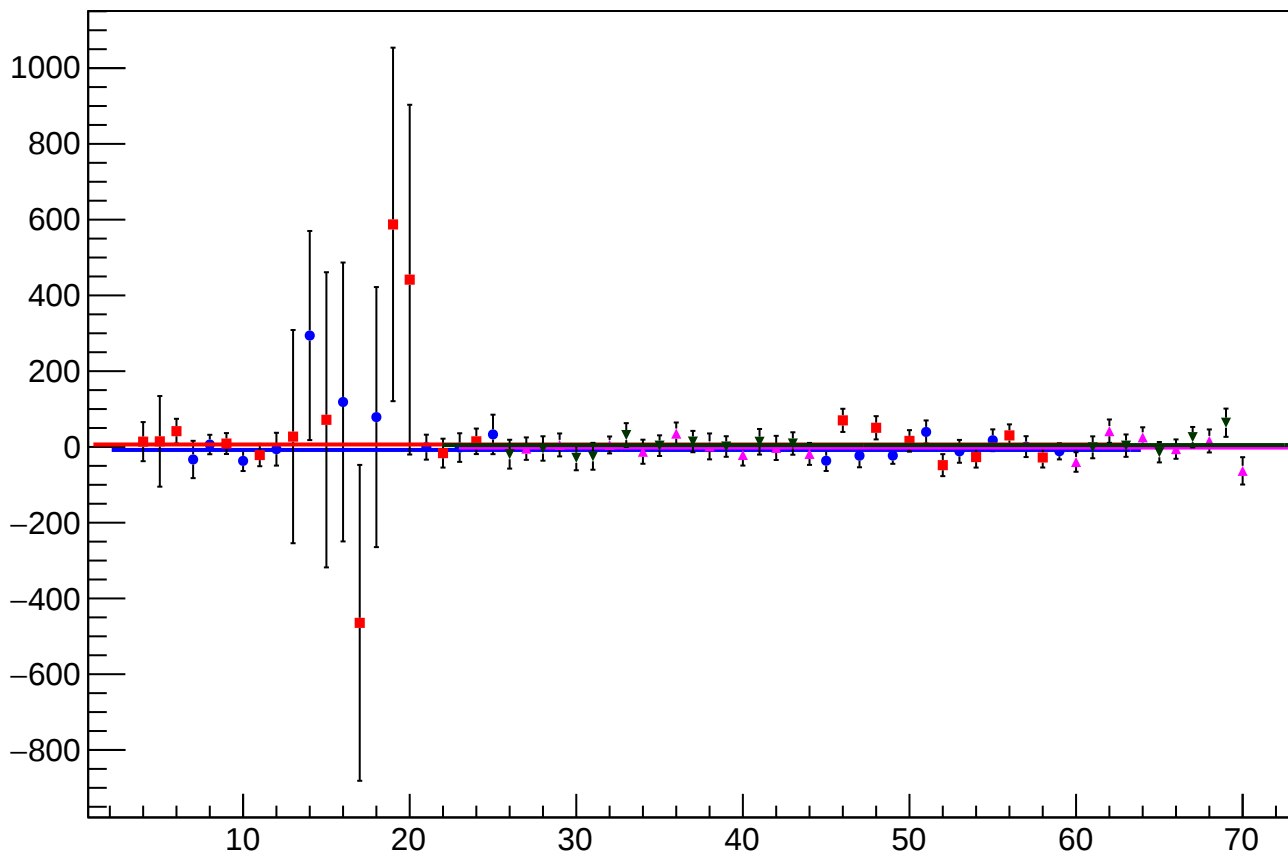
147.681 $\pm$ 0.025 χ^2 /NDF: 2295013.2/32

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

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

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

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: 4.928+/-7.862 χ^2/NDF : 6.8/14

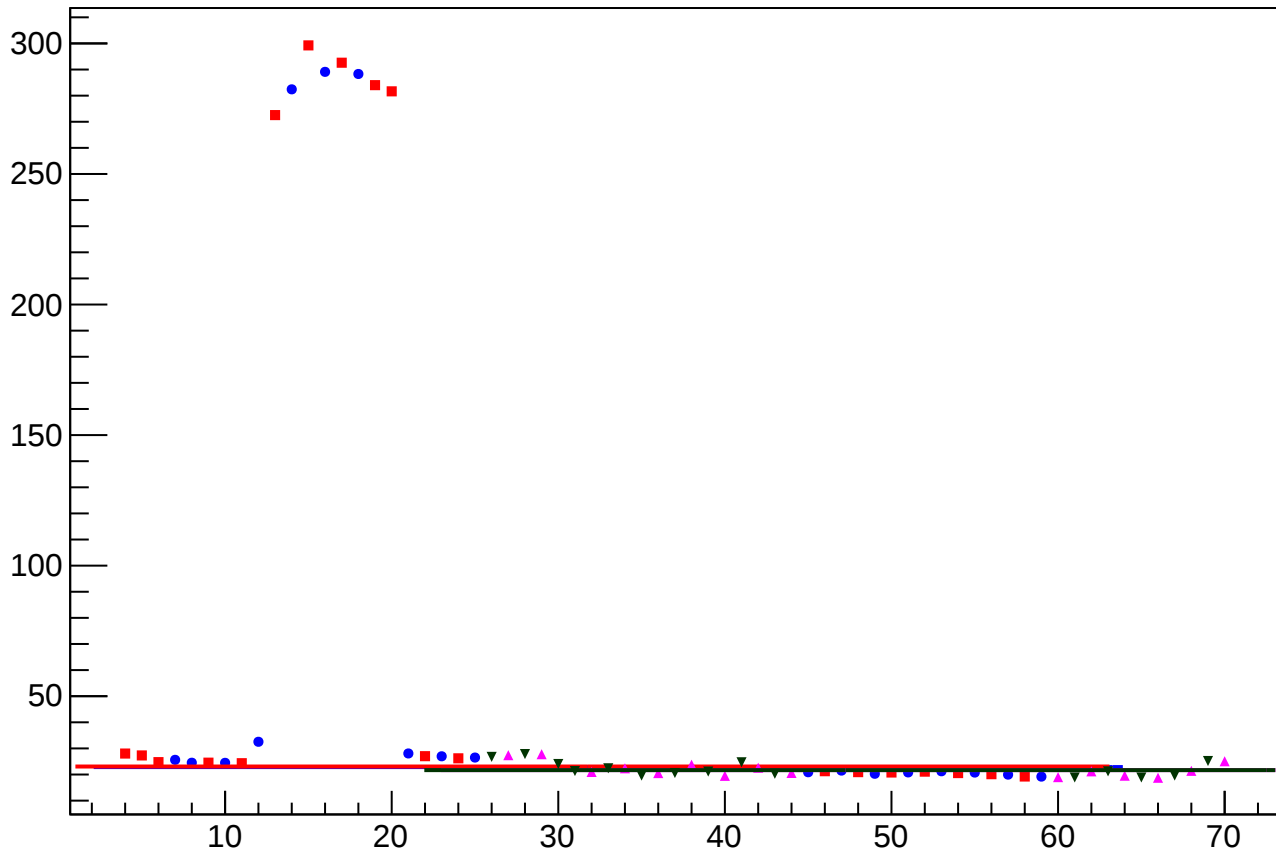
Right Out: 6.463+/-8.479 χ^2/NDF : 20.1/18

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

-1.743+/-5.466 χ^2/NDF : 17.2/32

1.822+/-5.594 χ^2/NDF : 31.7/33

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs slug



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

Left Out: 21.685+/-0.006 χ^2/NDF : 226128.6/14

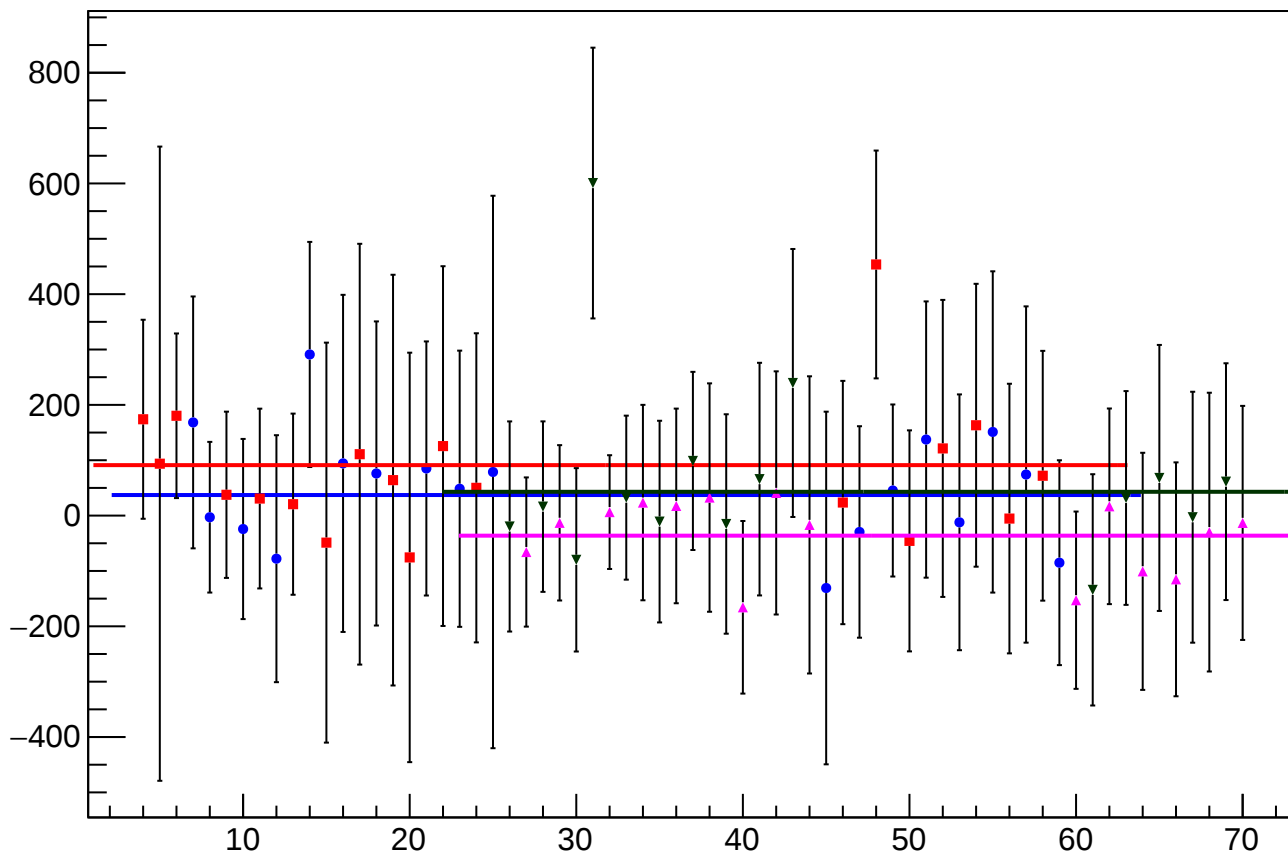
Right Out: 23.069+/-0.006 χ^2/NDF : 4856723.7/18

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

22.289+/-0.004 χ^2/NDF : 4612469.3/32

22.292+/-0.004 χ^2/NDF : 5151195.3/33

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: 42.992+/-49.325 χ^2/NDF : 7.6/14

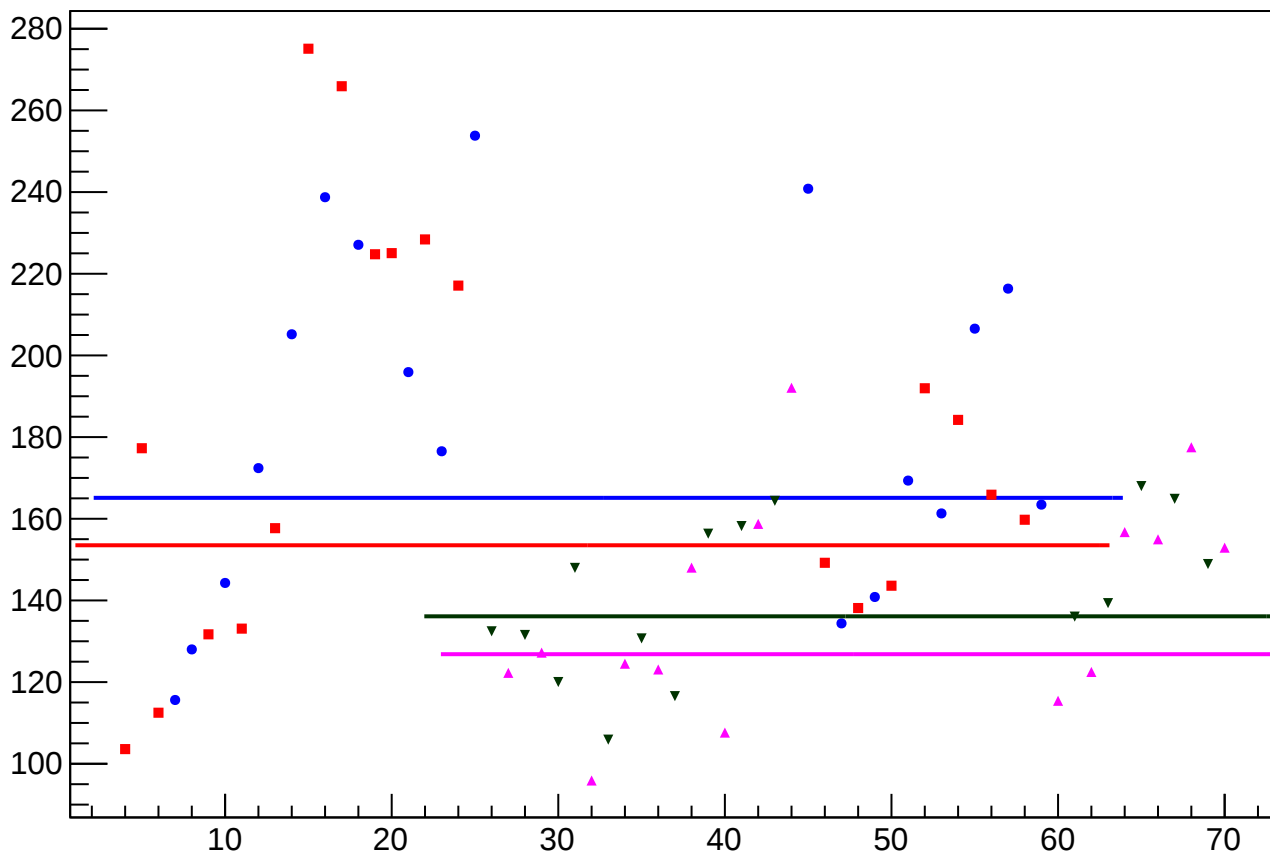
40.172+/-35.468 χ^2/NDF : 11.4/32

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

18.128+/-33.275 χ^2/NDF : 11.2/33

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

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: 136.110 $\pm$ 0.035 χ^2 /NDF: 285997.7/14

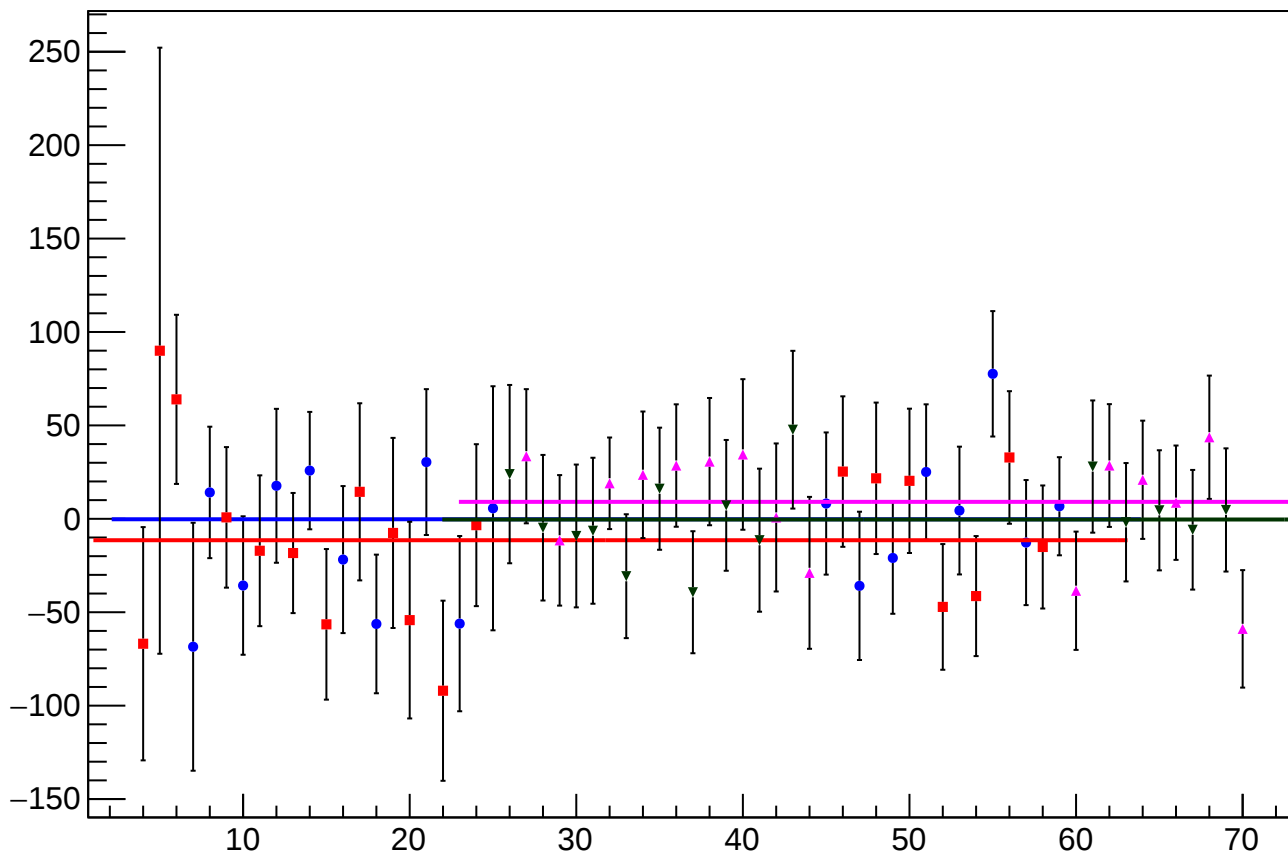
150.122 $\pm$ 0.025 χ^2 /NDF: 1610883.1/32

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

138.220 $\pm$ 0.024 χ^2 /NDF: 2146992.8/33

Left In: 126.835 $\pm$ 0.031 χ^2 /NDF: 593990.4/14

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs slug



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

Left Out: -0.369 ± 9.152 $\chi^2/\text{NDF}: 5.0/14$

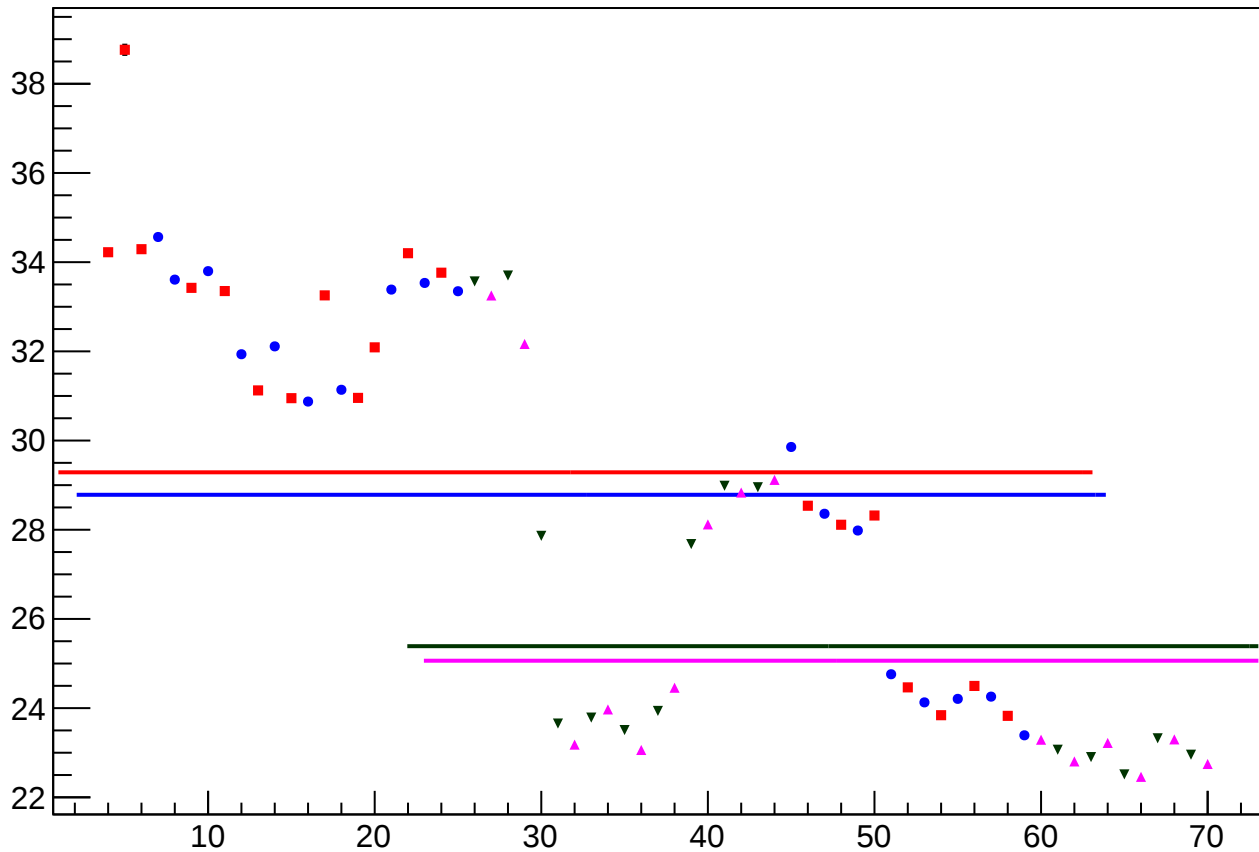
Right Out: -11.462 ± 9.405 $\chi^2/\text{NDF}: 14.9/18$

Left In: 9.080 ± 8.542 $\chi^2/\text{NDF}: 11.7/14$

-0.300 ± 6.285 $\chi^2/\text{NDF}: 20.1/32$

-0.206 ± 6.323 $\chi^2/\text{NDF}: 29.3/33$

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs slug



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

Left Out: 25.389 $\pm$ 0.006 χ^2 /NDF: 273936.9/14

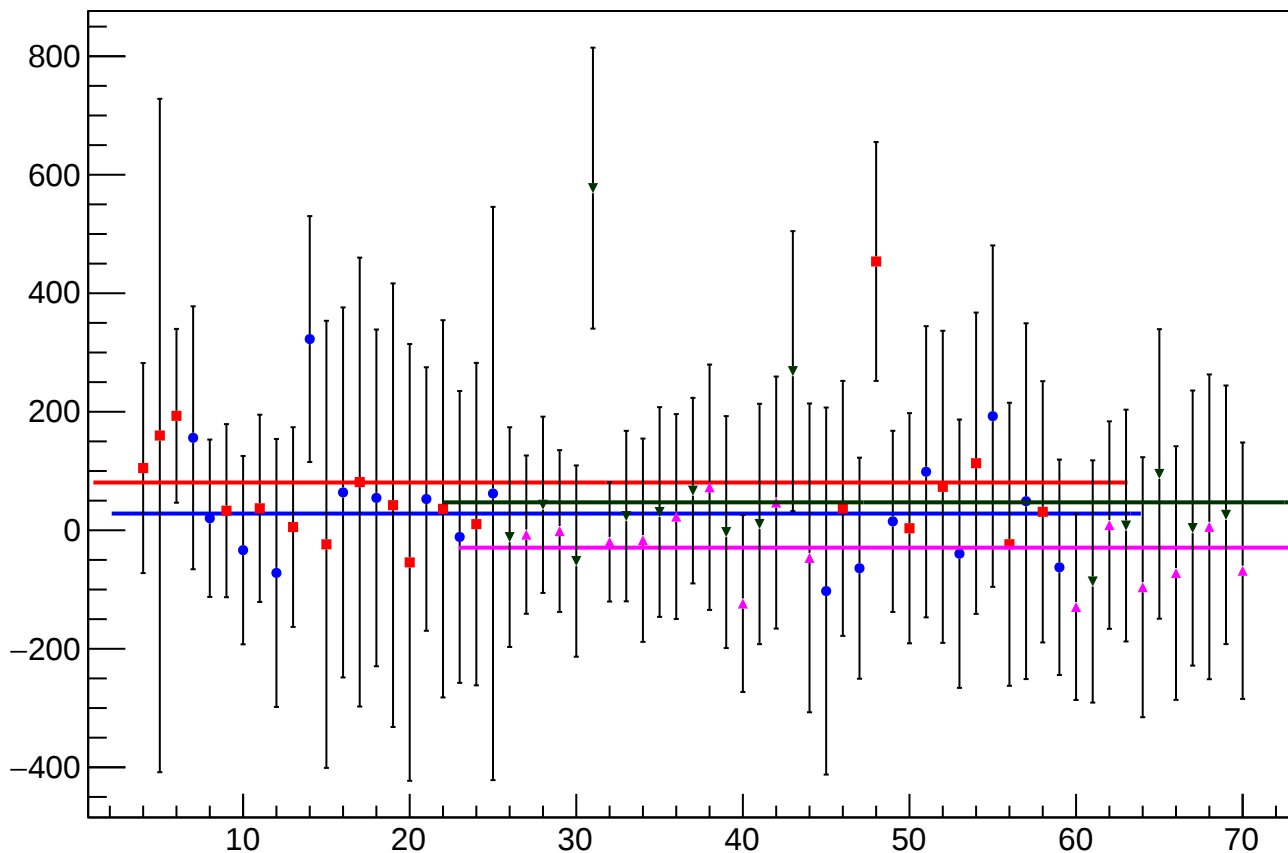
Right Out: 29.288 $\pm$ 0.007 χ^2 /NDF: 355757.4/18

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

27.183 $\pm$ 0.004 χ^2 /NDF: 837835.2/32

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

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs slug



Right In: 28.225+/-50.353 χ^2/NDF : 3.9/17

Left Out: 47.148+/-48.435 χ^2/NDF : 7.1/14

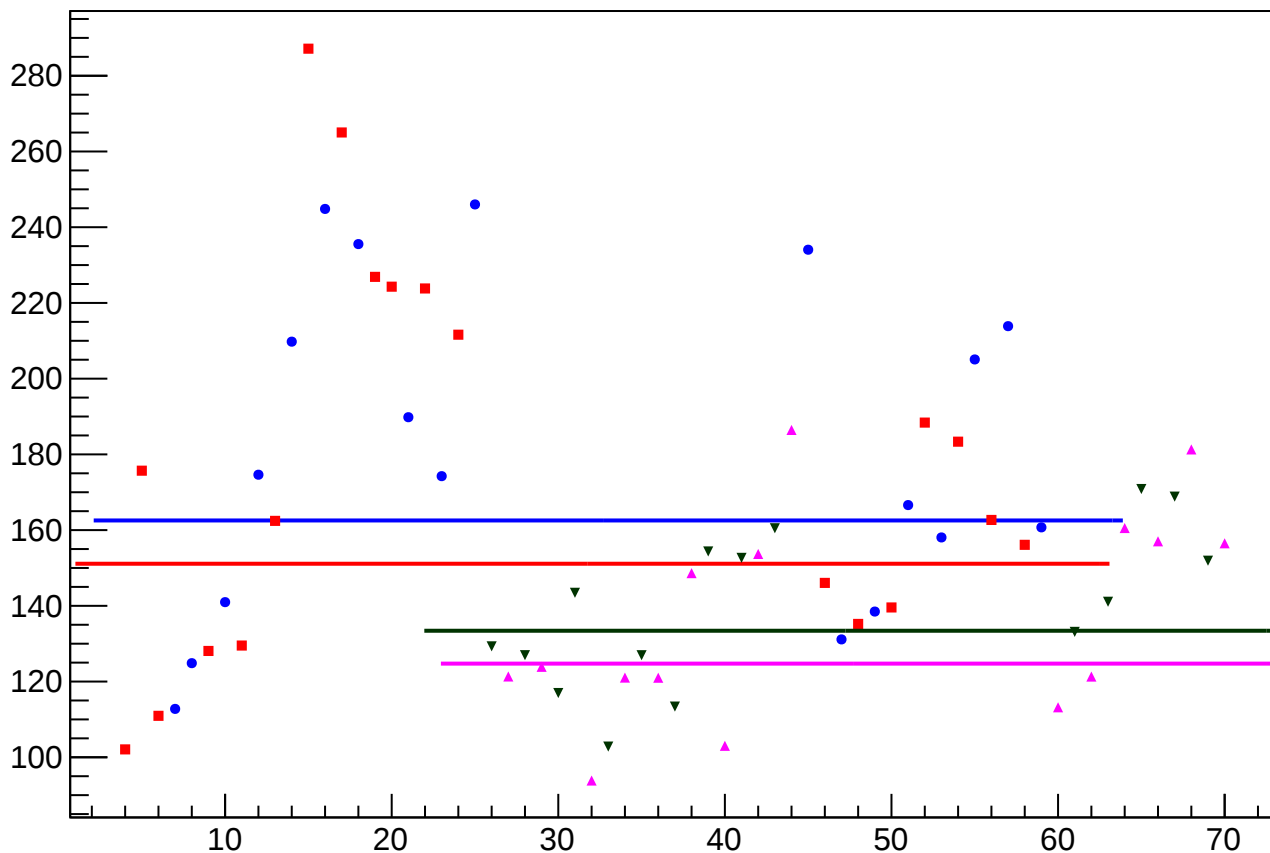
Right Out: 80.614+/-50.242 χ^2/NDF : 5.2/18

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

38.054+/-34.907 χ^2/NDF : 11.1/32

17.539+/-32.802 χ^2/NDF : 9.5/33

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs slug



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

Left Out: 133.419 $\pm$ 0.034 χ^2 /NDF:333110.2/14

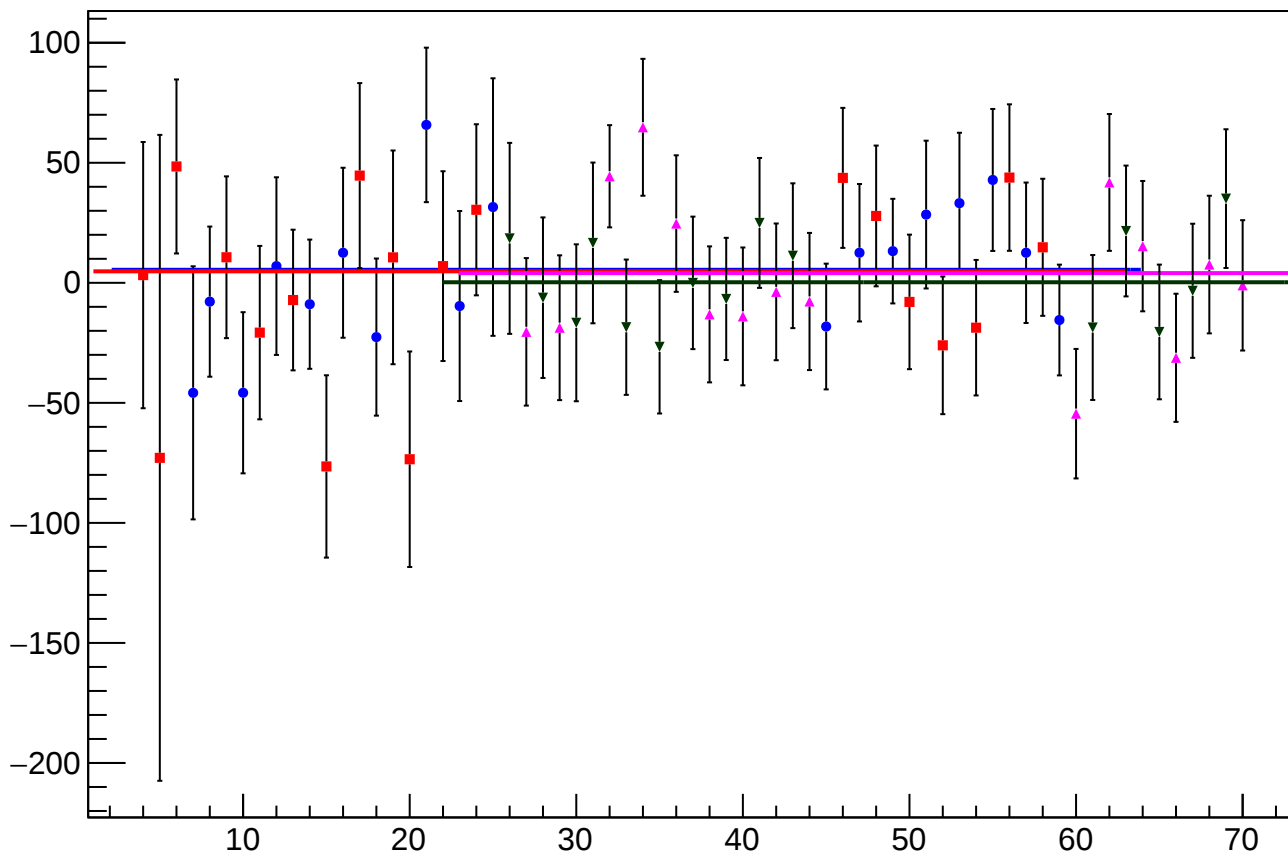
147.418 $\pm$ 0.025 χ^2 /NDF: 1770080.9/32

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

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

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

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs slug



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

Left Out: 0.233+/-7.575 χ^2/NDF : 6.2/14

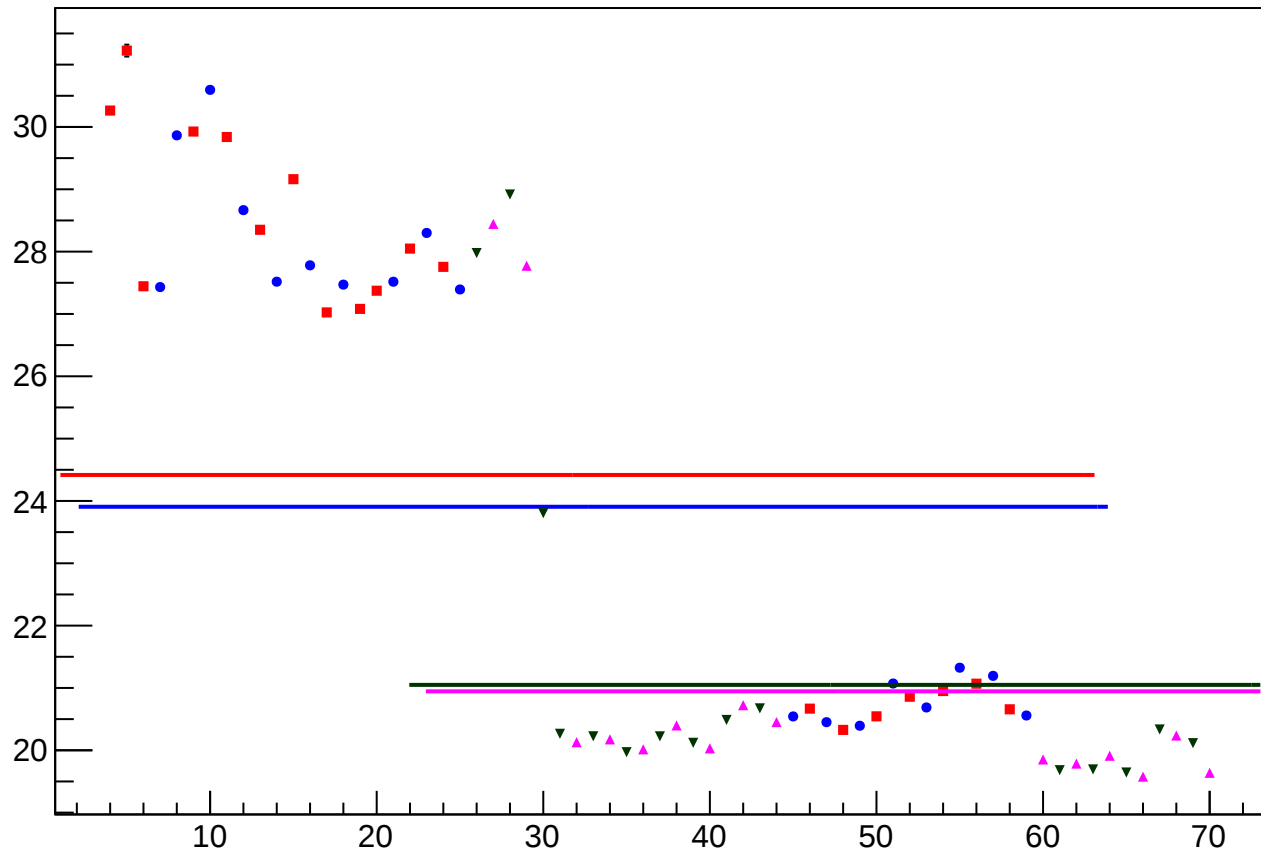
Right Out: 4.784+/-7.872 χ^2/NDF : 17.9/18

Left In: 4.047+/-7.126 χ^2/NDF : 19.3/14

2.960+/-5.221 χ^2/NDF : 19.8/32

4.379+/-5.283 χ^2/NDF : 37.2/33

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs slug



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

Left Out: 21.049 $\pm$ 0.005 χ^2 /NDF: 214568.1/14

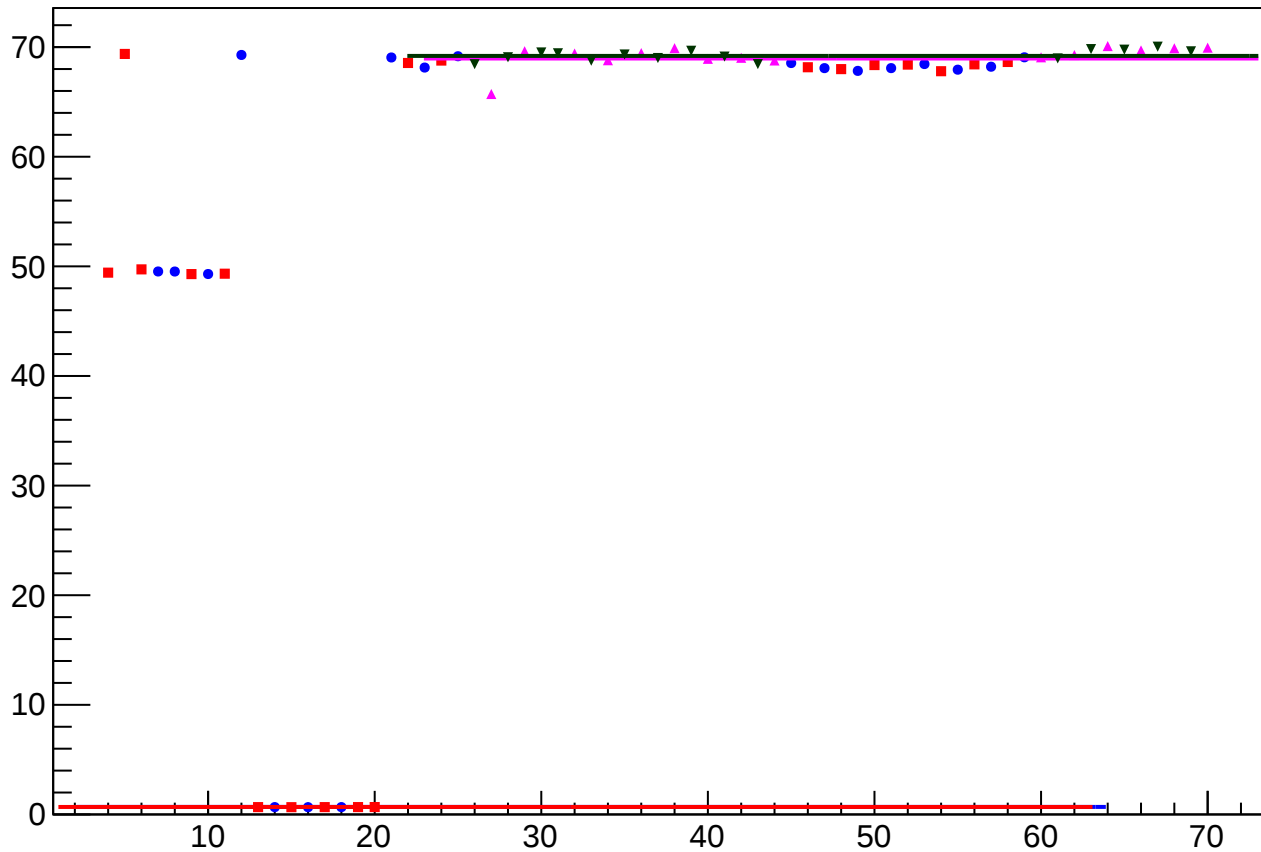
Right Out: 24.417 $\pm$ 0.006 χ^2 /NDF: 496476.9/18

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

22.550 $\pm$ 0.004 χ^2 /NDF: 929889.7/32

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

yield_bcm_an_ds_mean vs slug



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

Left Out: 69.197+/-0.000 χ^2/NDF : 39898534.7/14

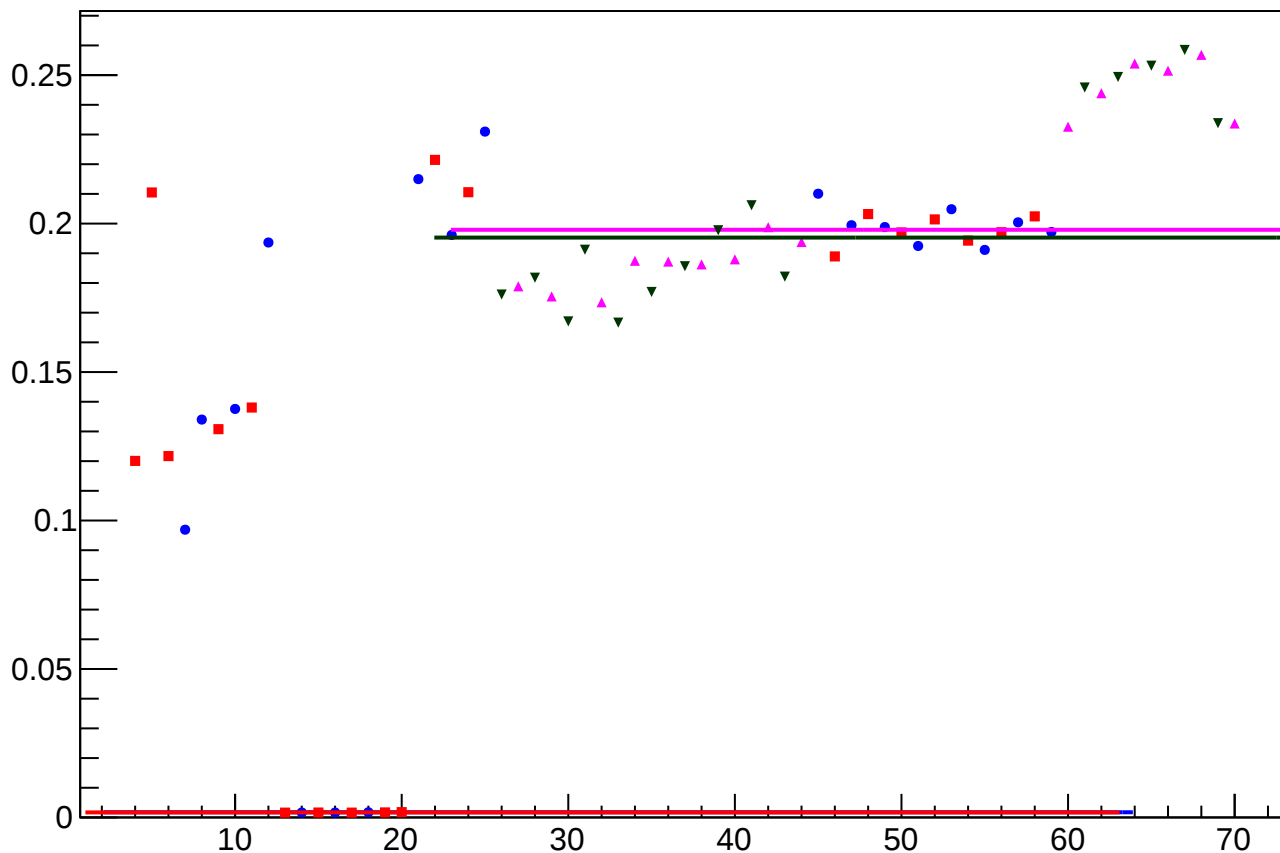
0.704+/-0.000 χ^2/NDF : 1953008000589.9/32

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

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

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

yield_bcm_an_ds_rms vs slug



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

Left Out: 0.195+/-0.000 χ^2/NDF : 322236.7/14

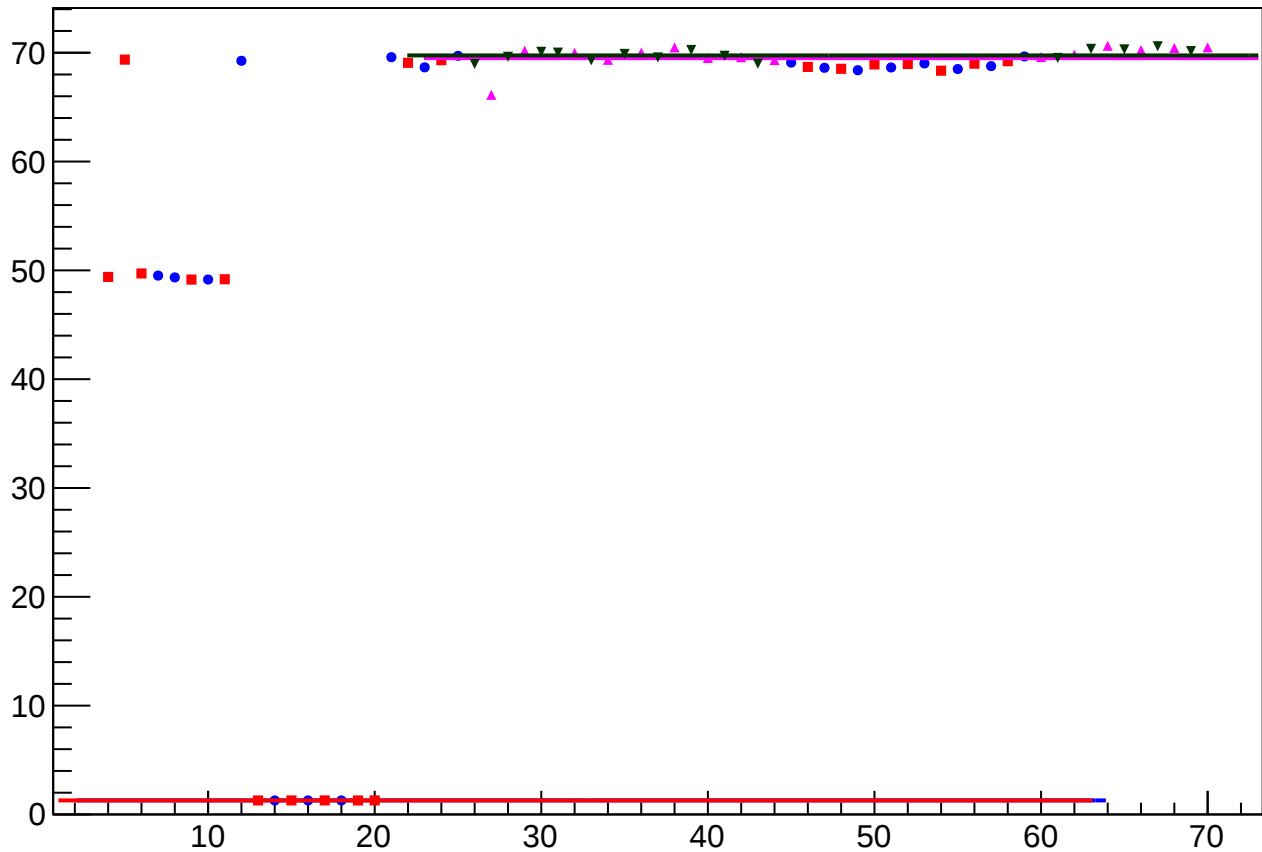
Right Out: 0.002+/-0.000 χ^2/NDF : 13510450.3/18

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

0.002+/-0.000 χ^2/NDF : 31840620.8/32

0.002+/-0.000 χ^2/NDF : 30278603.5/33

yield_bcm_an_ds3_mean vs slug



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

Left Out: 69.754+/-0.000 χ^2/NDF : 39497259.5/14

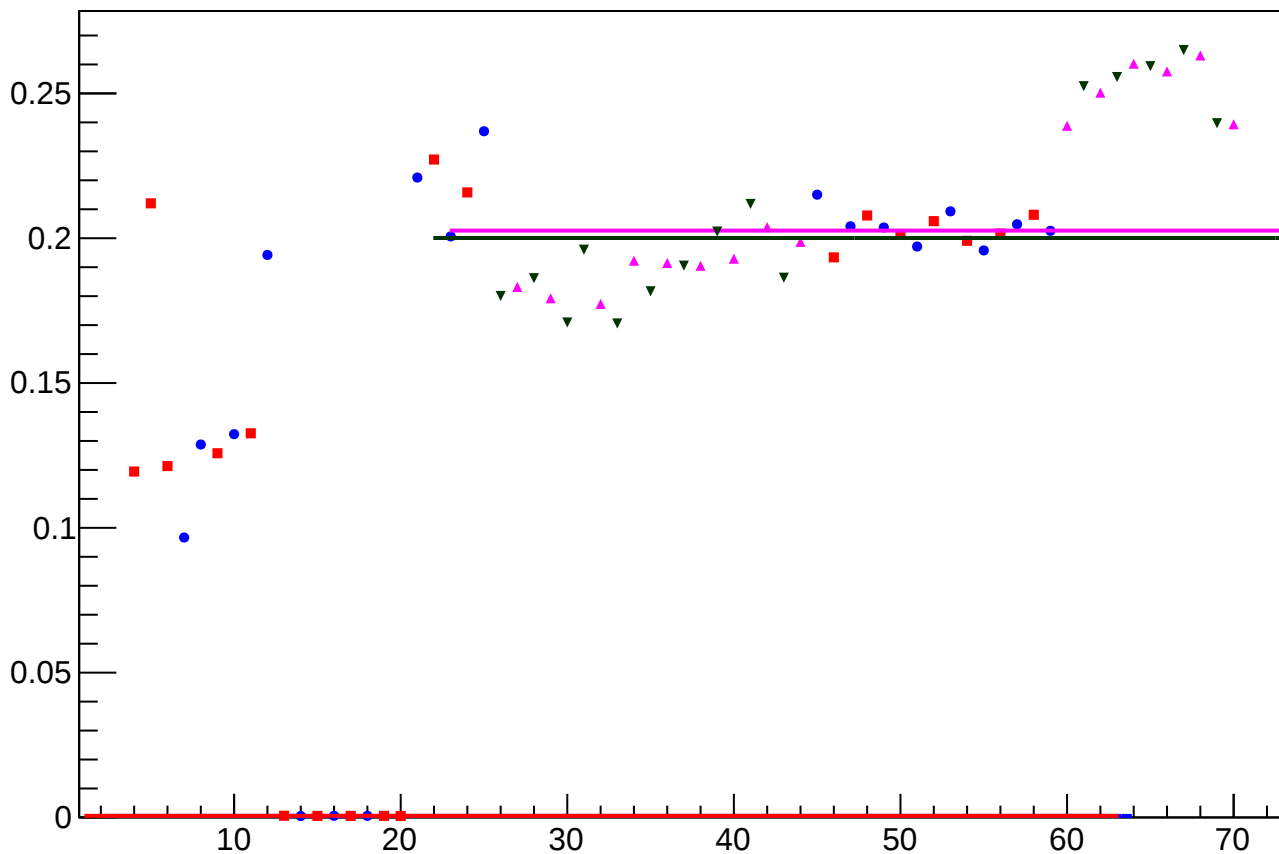
1.292+/-0.000 χ^2/NDF : 1881447159299.7/32

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

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

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

yield_bcm_an_ds3_rms vs slug



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

Left Out: 0.200+/-0.000 χ^2/NDF : 324805.8/14

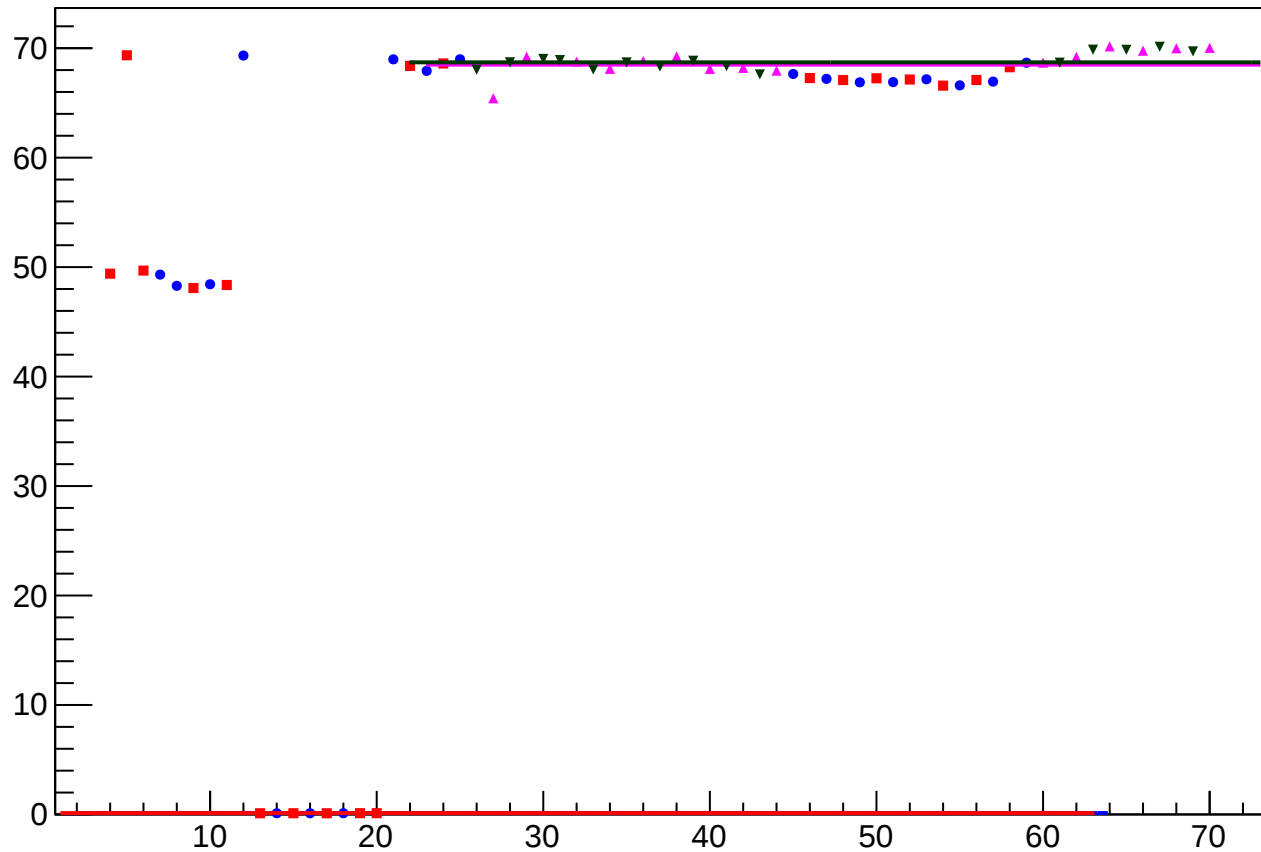
Right Out: 0.001+/-0.000 χ^2/NDF : 13695888.0/18

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

0.001+/-0.000 χ^2/NDF : 32272831.1/32

0.001+/-0.000 χ^2/NDF : 30658703.9/33

yield_bcm_an_us_mean vs slug



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

Left Out: 68.707+/-0.000 χ^2/NDF : 83991049.8/14

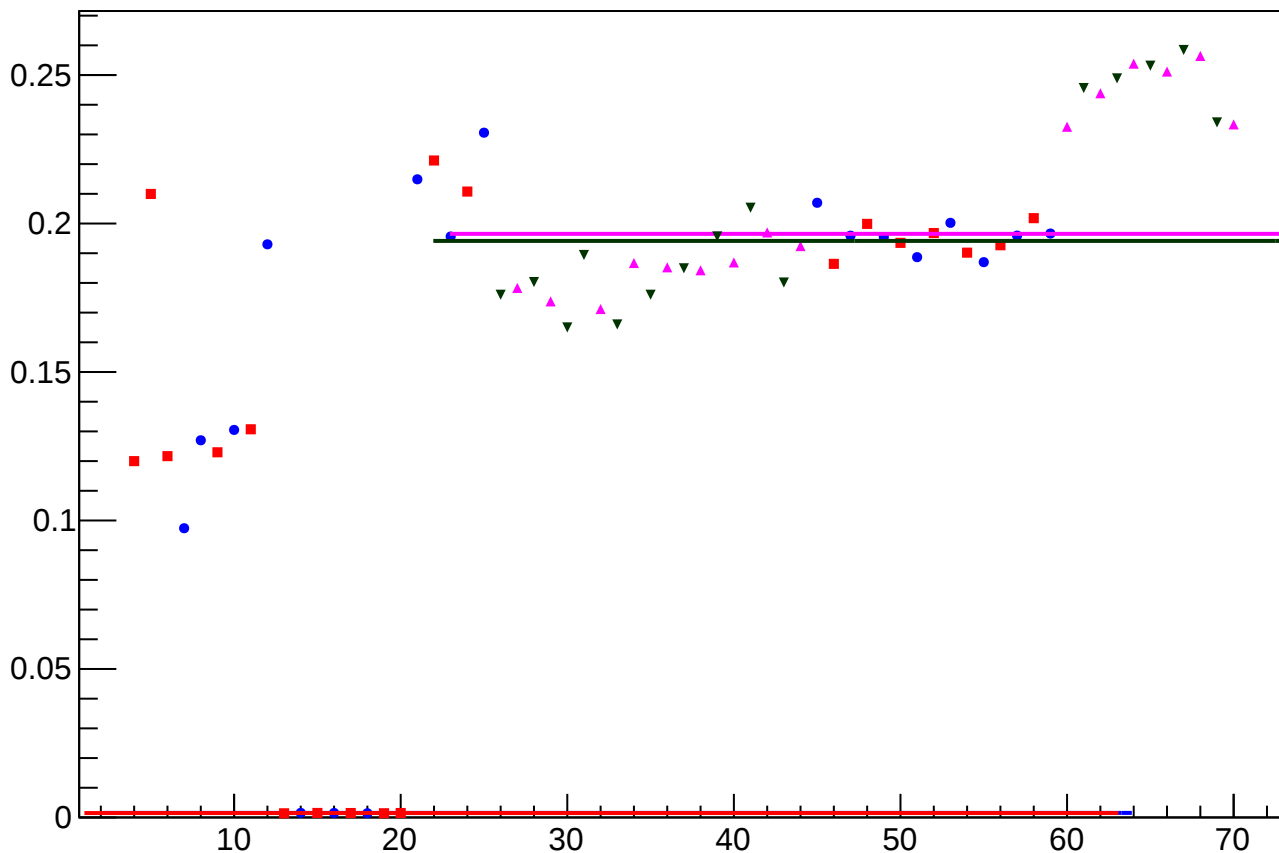
Right Out: 0.122+/-0.000 χ^2/NDF : 876428994690.6/18

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

0.139+/-0.000 χ^2/NDF : 1997300295757.1/32

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

yield_bcm_an_us_rms vs slug



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

Left Out: 0.194 $\pm$ 0.000 χ^2 /NDF:332692.6/14

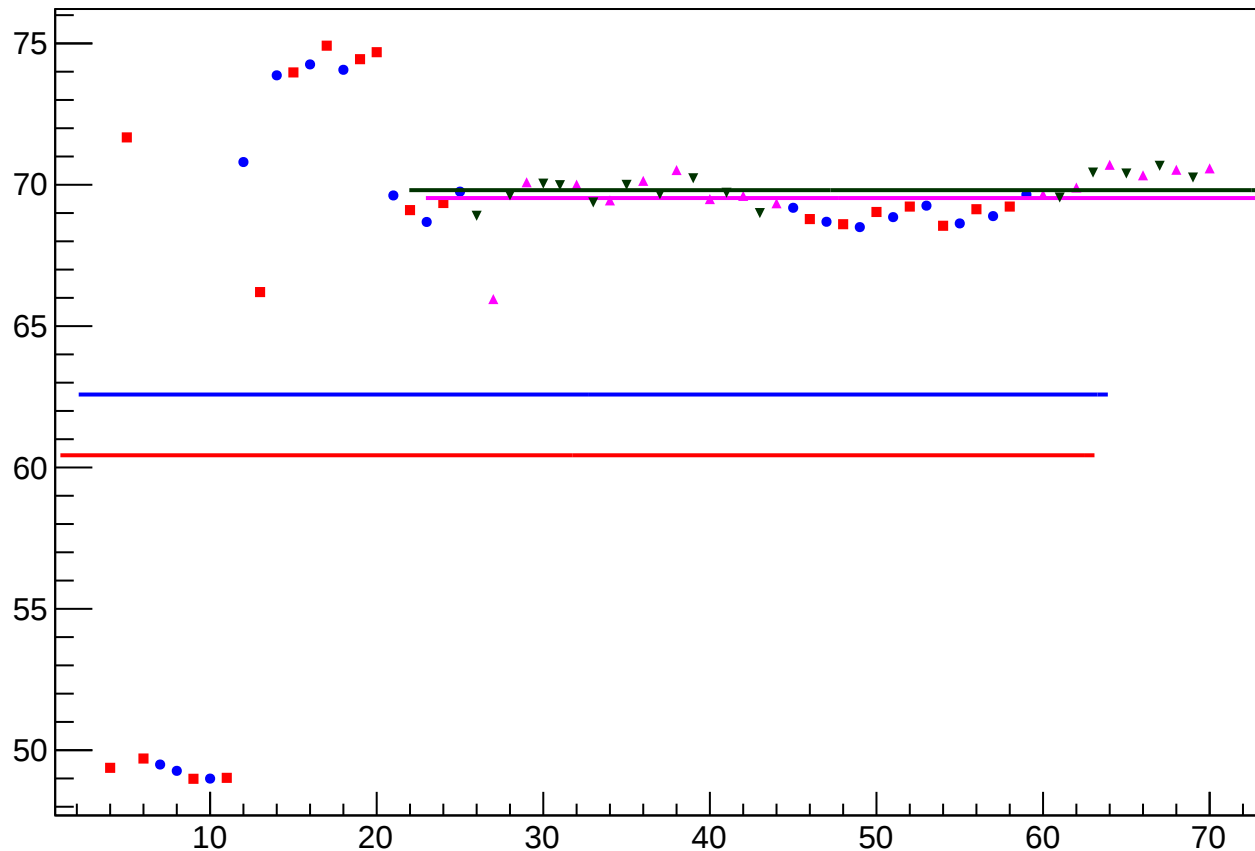
0.002 $\pm$ 0.000 χ^2 /NDF: 31879511.9/32

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

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

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

yield_bcm_dg_us_mean vs slug



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

Left Out: 69.810+/-0.000 χ^2/NDF : 41700173.5/14

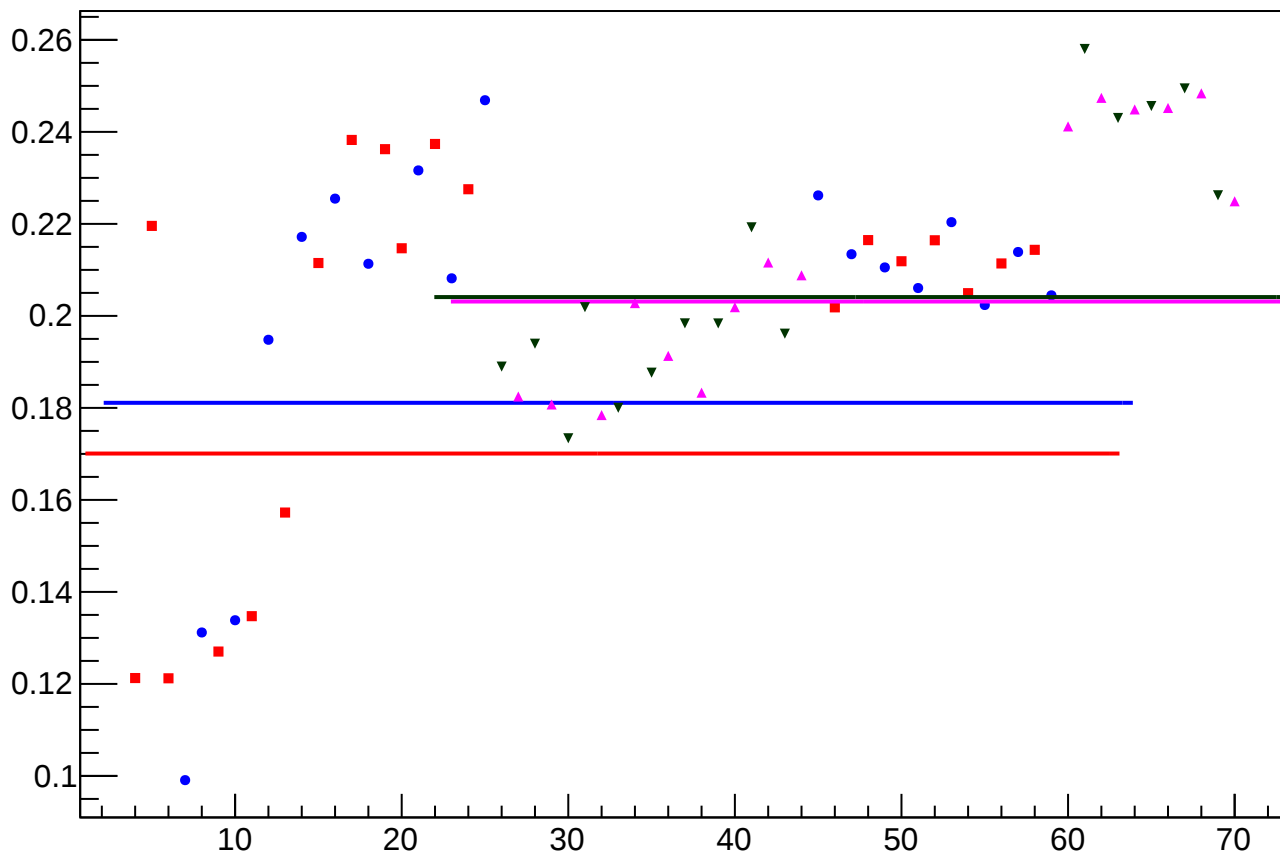
Right Out: 60.432+/-0.000 χ^2/NDF : 32977972131.8/18

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

65.217+/-0.000 χ^2/NDF : 39703631063.8/32

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

yield_bcm_dg_us_rms vs slug



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

Left Out: 0.204+/-0.000 χ^2/NDF : 210707.7/14

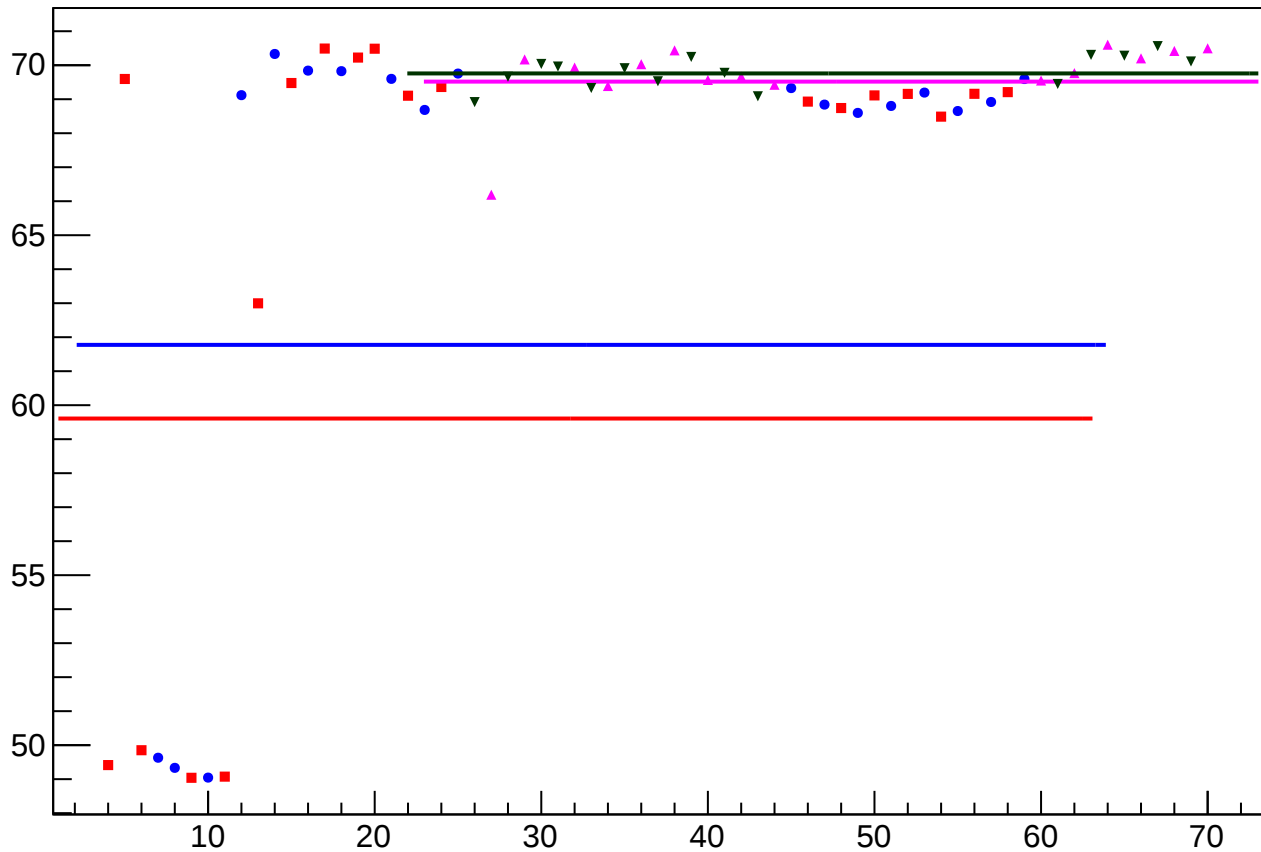
Right Out: 0.170+/-0.000 χ^2/NDF : 1183604.4/18

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

0.189+/-0.000 χ^2/NDF : 1547834.0/32

0.183+/-0.000 χ^2/NDF : 1708904.3/33

yield_bcm_dg_ds_mean vs slug



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

Left Out: 69.759 ± 0.000 χ^2/NDF : 36486525.2/14

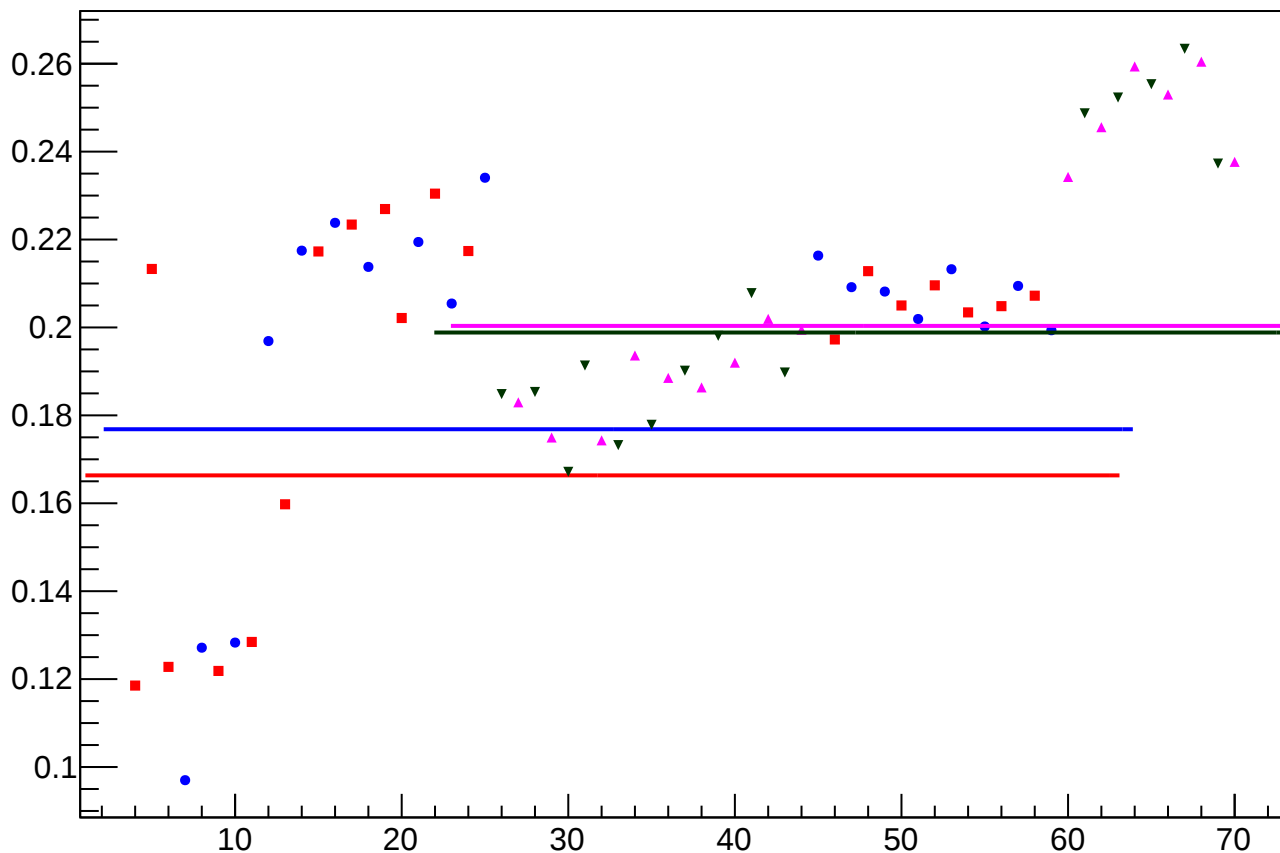
64.686 ± 0.000 χ^2/NDF : 38643303079.4/32

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

63.510 ± 0.000 χ^2/NDF : 42274342988.3/33

Left In: 69.518 ± 0.000 χ^2/NDF : 330216626.7/14

yield_bcm_dg_ds_rms vs slug



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

Left Out: 0.199 ± 0.000 χ^2/NDF : 308088.4/14

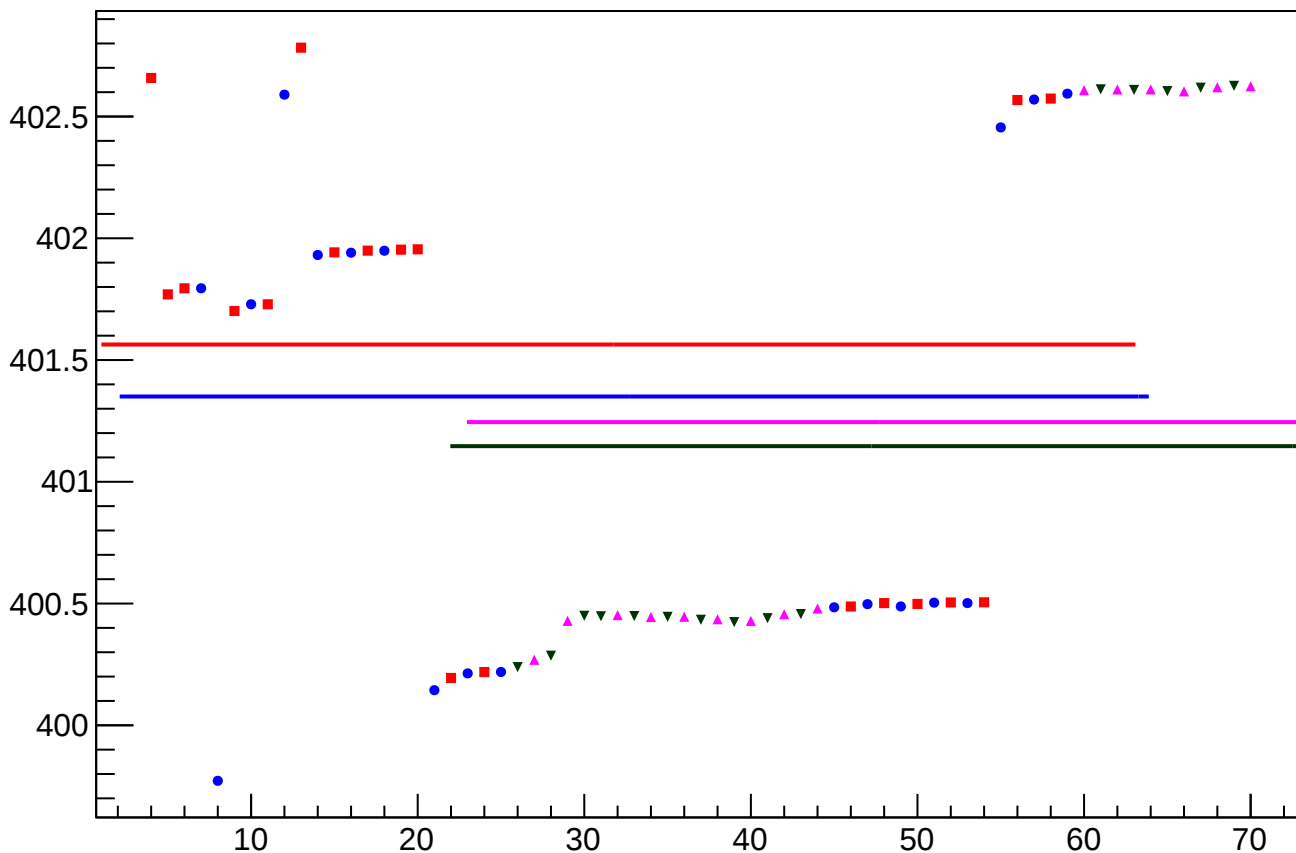
Right Out: 0.166 ± 0.000 χ^2/NDF : 1156468.8/18

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

0.185 ± 0.000 χ^2/NDF : 1700776.2/32

0.180 ± 0.000 χ^2/NDF : 1782598.2/33

yield_cav4bQ_mean vs slug



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

Left Out: 401.146+/-0.000 χ^2/NDF : 190654763317.5/14

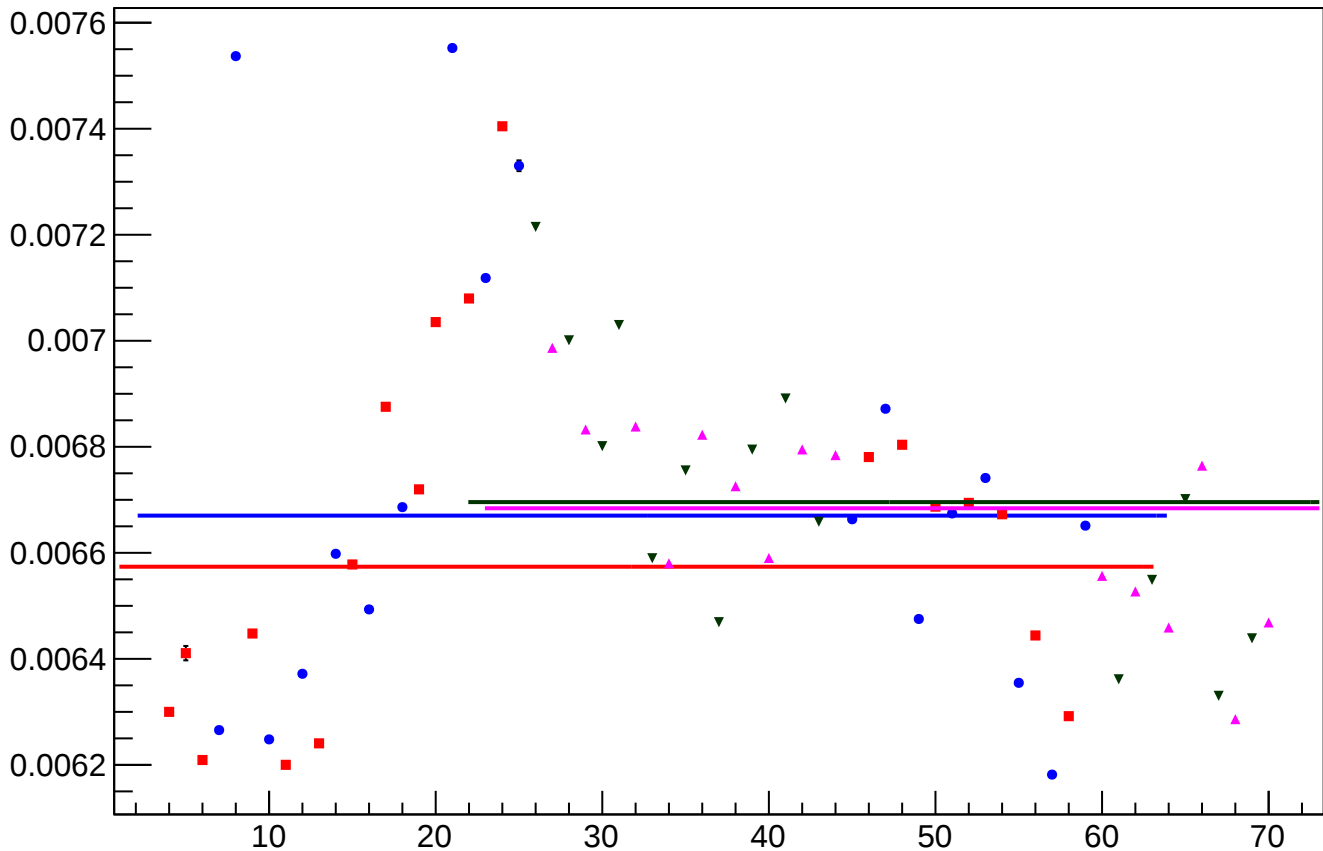
Right Out: 401.564+/-0.000 χ^2/NDF : 183973928948.5/18

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

401.267+/-0.000 χ^2/NDF : 430037177815.4/32

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

yield_cav4bQ_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 76682.3/17

Left Out: 0.007+/-0.000 χ^2/NDF :20700.4/14

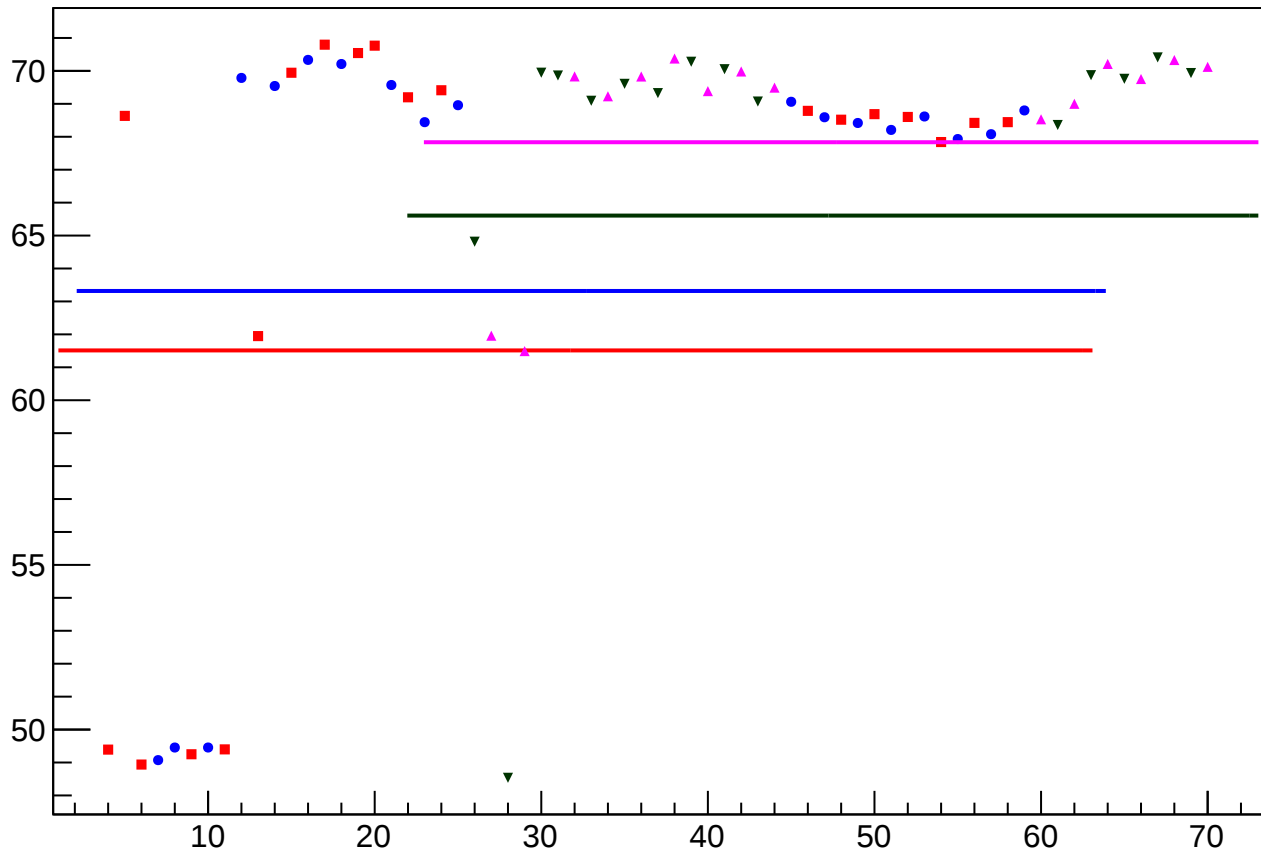
0.007+/-0.000 χ^2/NDF : 97516.8/32

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

0.007+/-0.000 χ^2/NDF : 64167.7/33

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

yield_cav4cQ_mean vs slug



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

Left Out: 65.607+/-0.000 χ^2/NDF : 9413141514.1/14

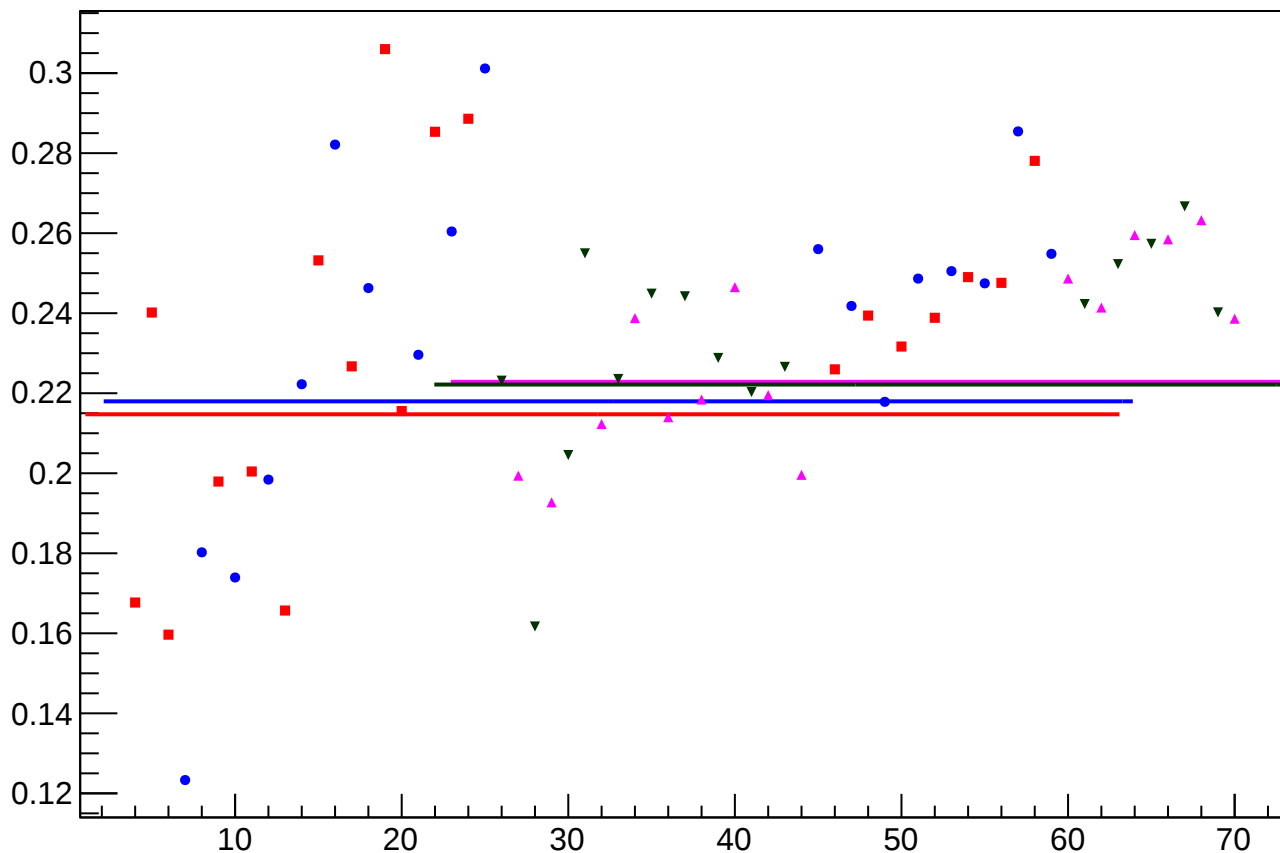
64.248+/-0.000 χ^2/NDF : 26910869256.0/32

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

64.462+/-0.000 χ^2/NDF : 20724918147.5/33

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

yield_cav4cQ_rms vs slug



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

Left Out: 0.222+/-0.000 χ^2/NDF : 298418.0/14

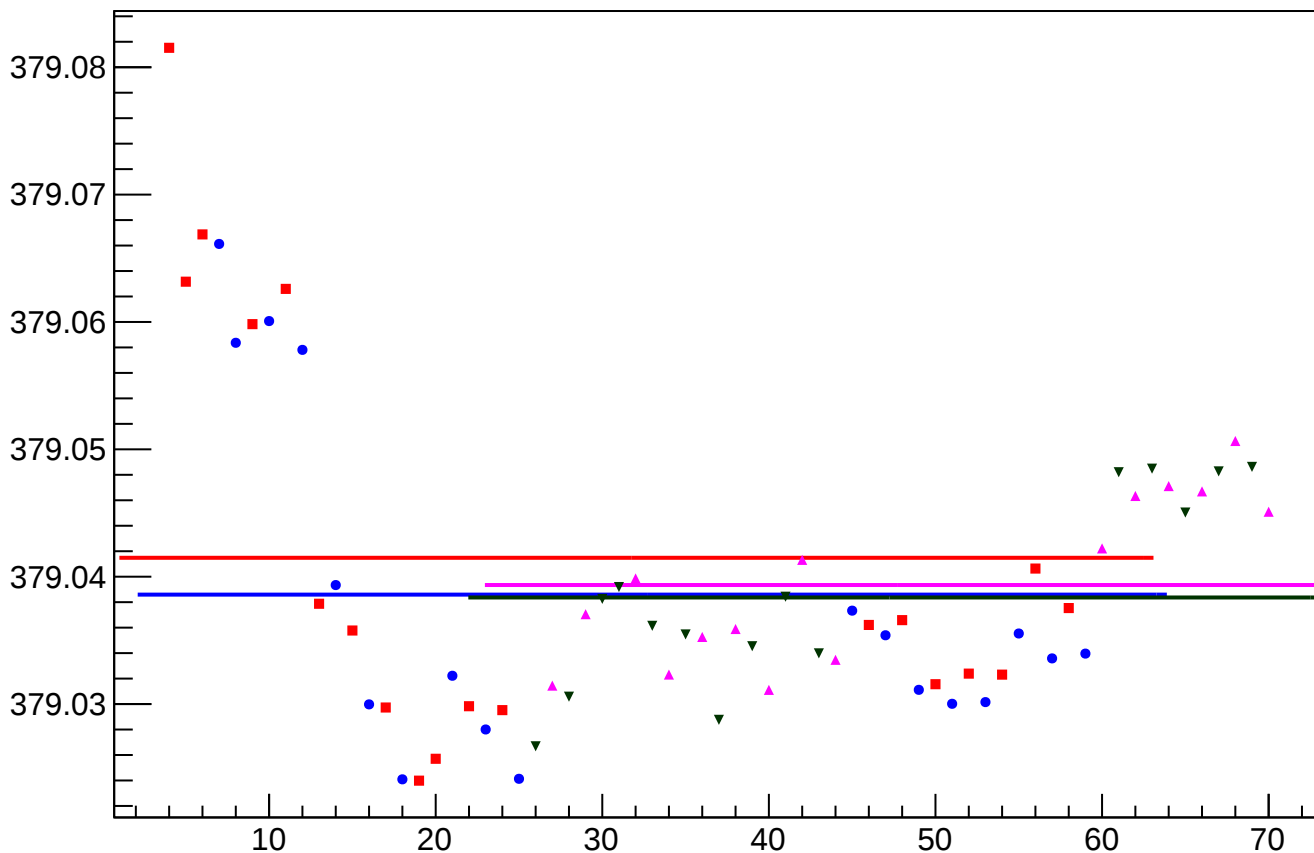
Right Out: 0.215+/-0.000 χ^2/NDF : 631176.3/18

Left In: 0.223+/-0.000 χ^2/NDF : 174209.6/14

0.220+/-0.000 χ^2/NDF : 1036077.4/32

0.219+/-0.000 χ^2/NDF : 816826.9/33

yield_cav4dQ_mean vs slug



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

Left Out: 379.038 $\pm$ 0.000 χ^2 /NDF:8667603.2/14

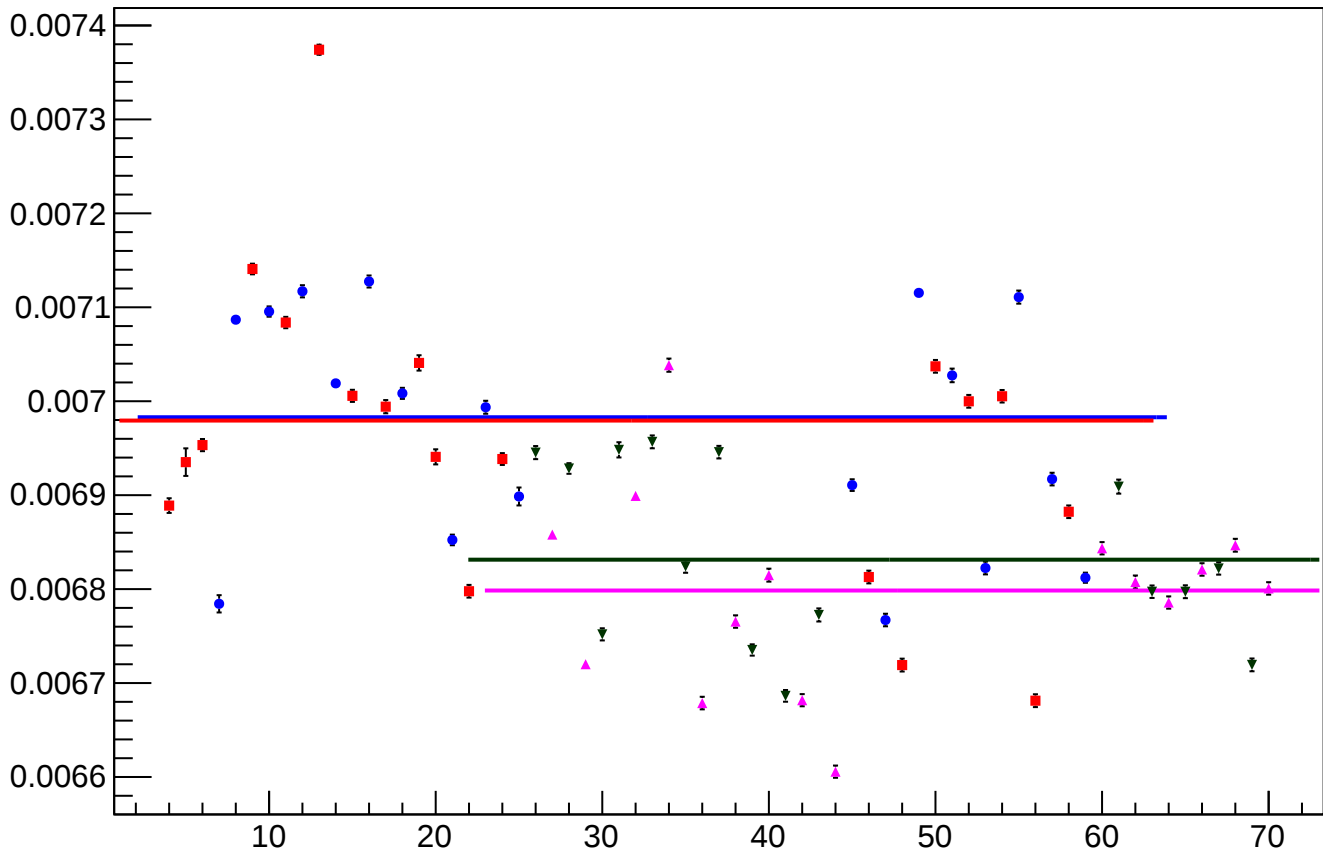
379.038 $\pm$ 0.000 χ^2 /NDF: 42448357.6/32

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

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

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

yield_cav4dQ_rms vs slug



Right In: 0.007 ± 0.000 χ^2/NDF : 6696.3/17

Left Out: 0.007 ± 0.000 χ^2/NDF : 2842.3/14

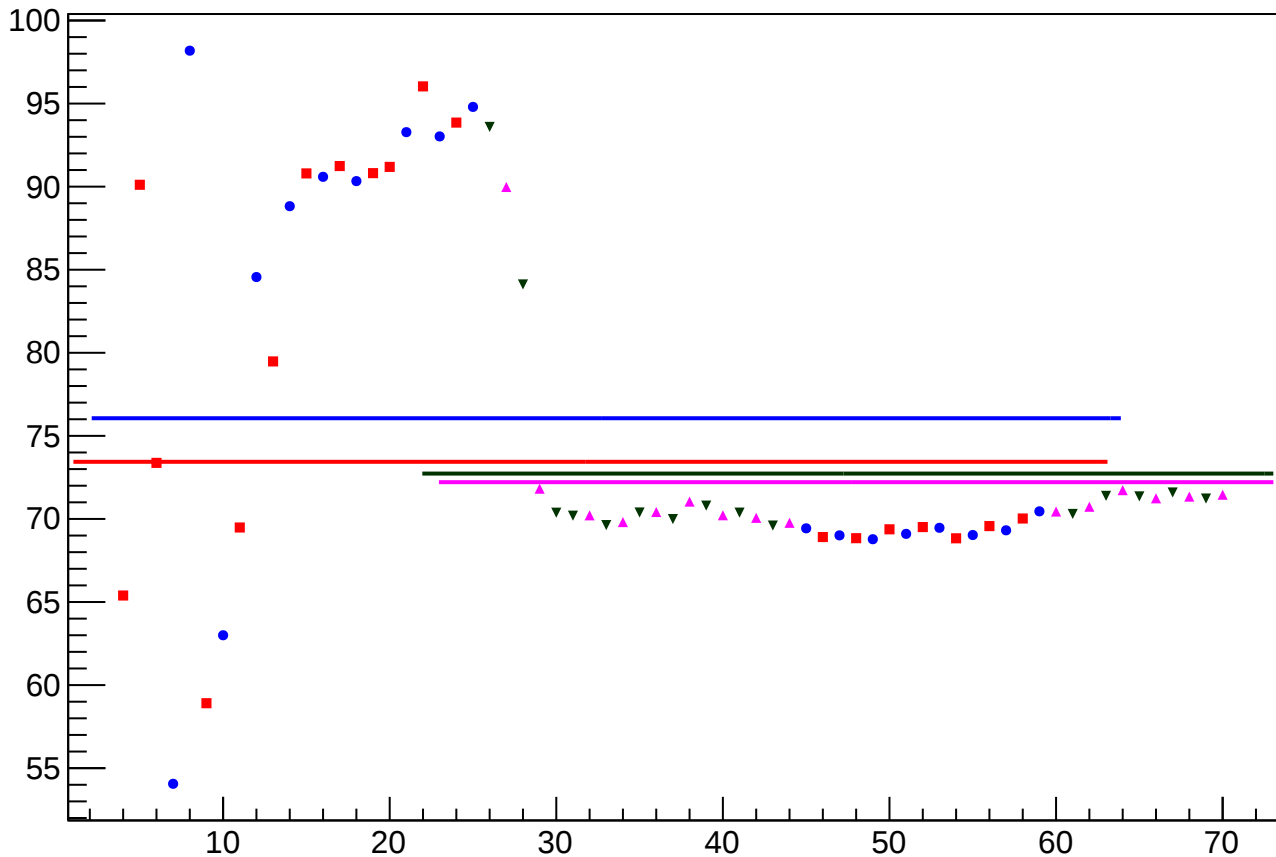
Right Out: 0.007 ± 0.000 χ^2/NDF : 11747.2/18

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

0.007 ± 0.000 χ^2/NDF : 14018.2/32

0.007 ± 0.000 χ^2/NDF : 21770.0/33

yield_bcm0l02_mean vs slug



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

Left Out: 72.730 $\pm$ 0.000 χ^2 /NDF: 3809989964.6/14

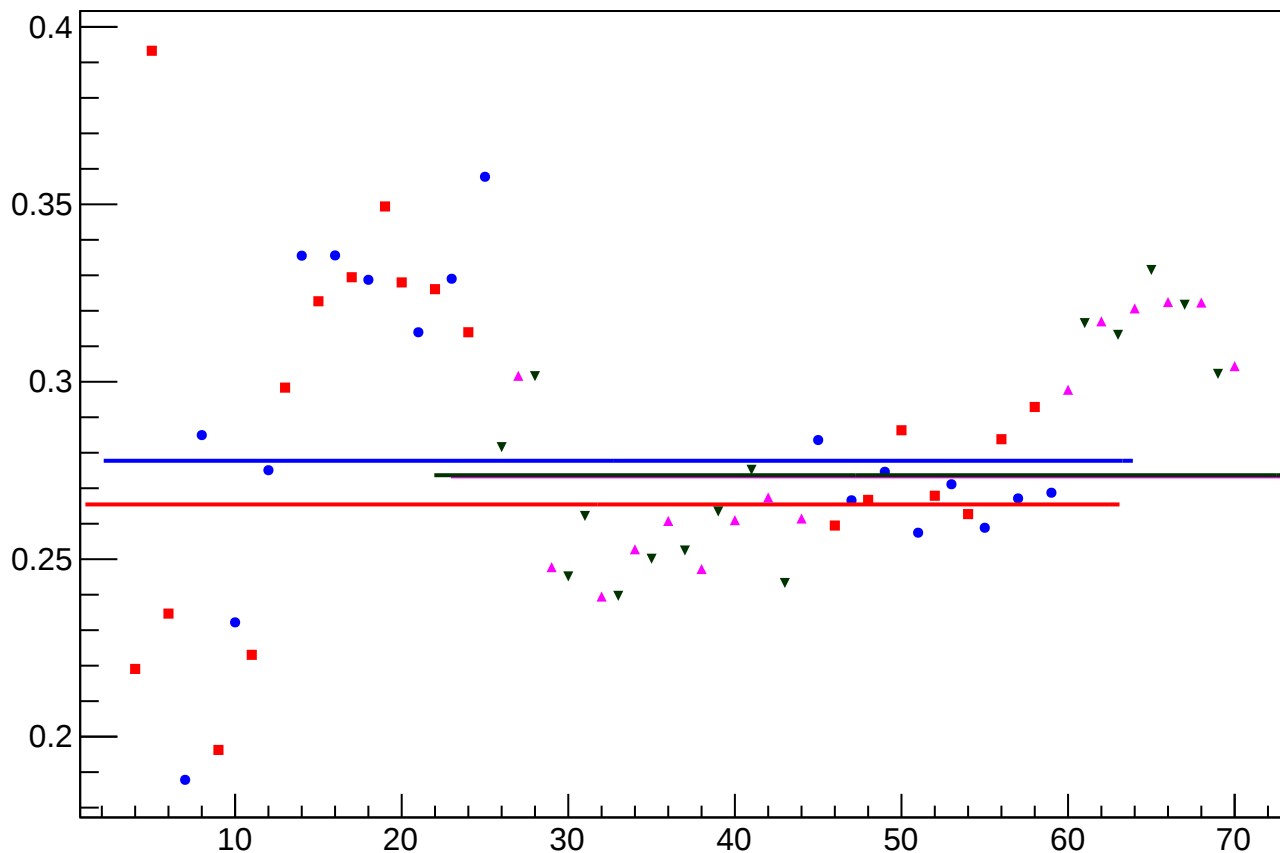
Right Out: 73.439 $\pm$ 0.000 χ^2 /NDF: 14741427319.0/18

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

74.654 $\pm$ 0.000 χ^2 /NDF: 25218732374.9/32

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

yield_bcm0l02_rms vs slug



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

Left Out: 0.274+/-0.000 χ^2/NDF :168396.4/14

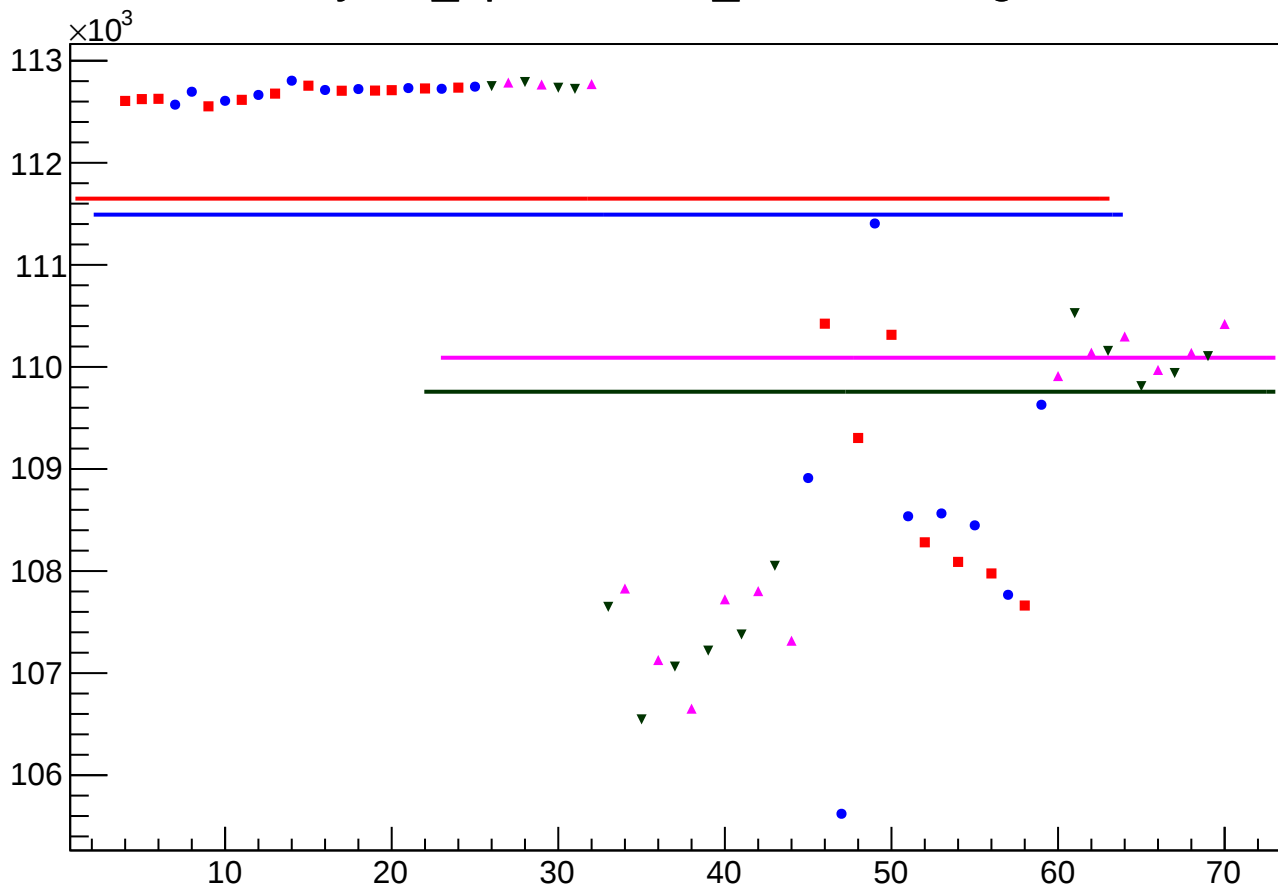
Right Out: 0.265+/-0.000 χ^2/NDF : 503582.7/18

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

0.276+/-0.000 χ^2/NDF : 540497.2/32

0.269+/-0.000 χ^2/NDF : 703287.9/33

yield_bpm2i01WS_mean vs slug



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

Left Out: 109757.081 $\pm$ 0.046 χ^2 /NDF: 2705075304.1/14

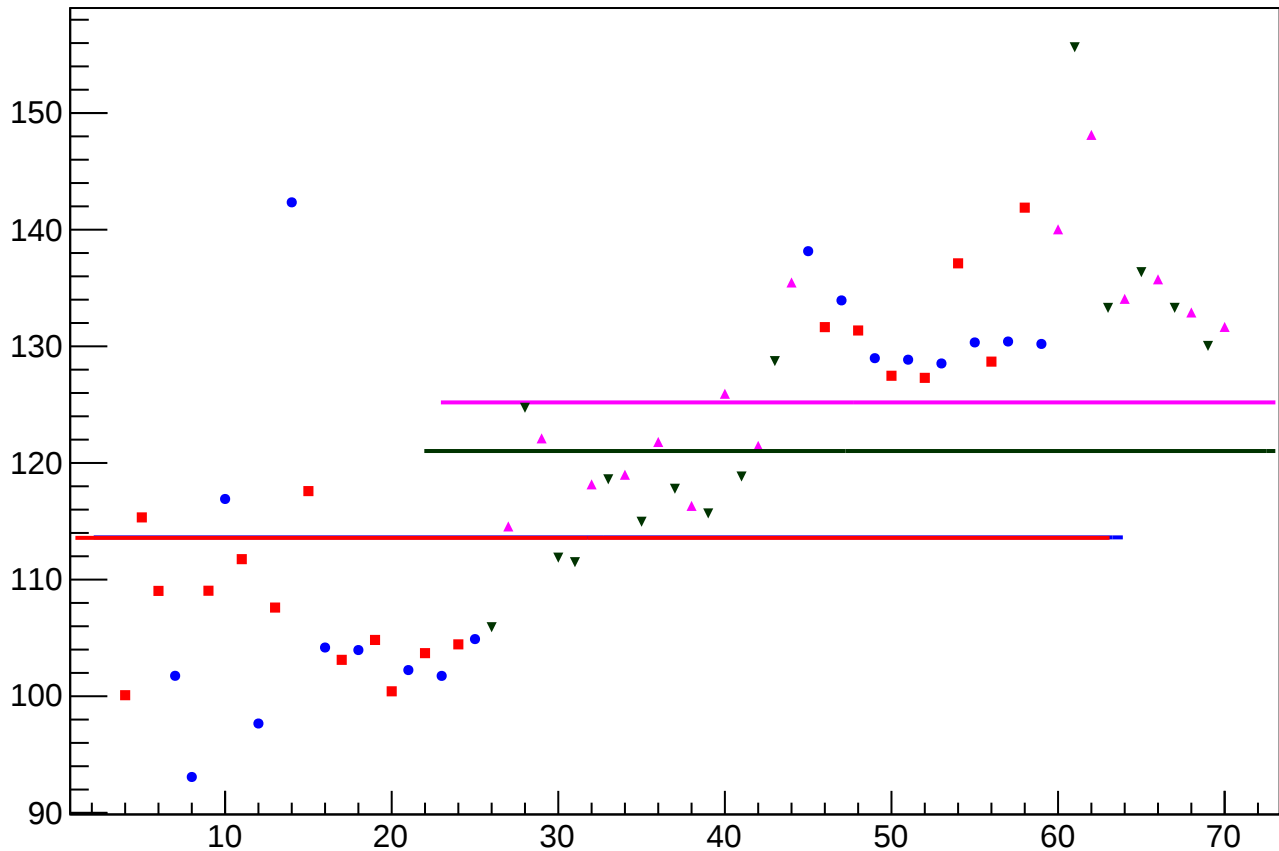
Right Out: 111648.935 $\pm$ 0.037 χ^2 /NDF: 2298631932.7/18

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

110853.179 $\pm$ 0.028 χ^2 /NDF: 6784837531.7/32

111005.793 $\pm$ 0.029 χ^2 /NDF: 5617394792.0/32

yield_bpm2i01WS_rms vs slug



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

Left Out: 121.024 $\pm$ 0.032 χ^2 /NDF:99661.9/14

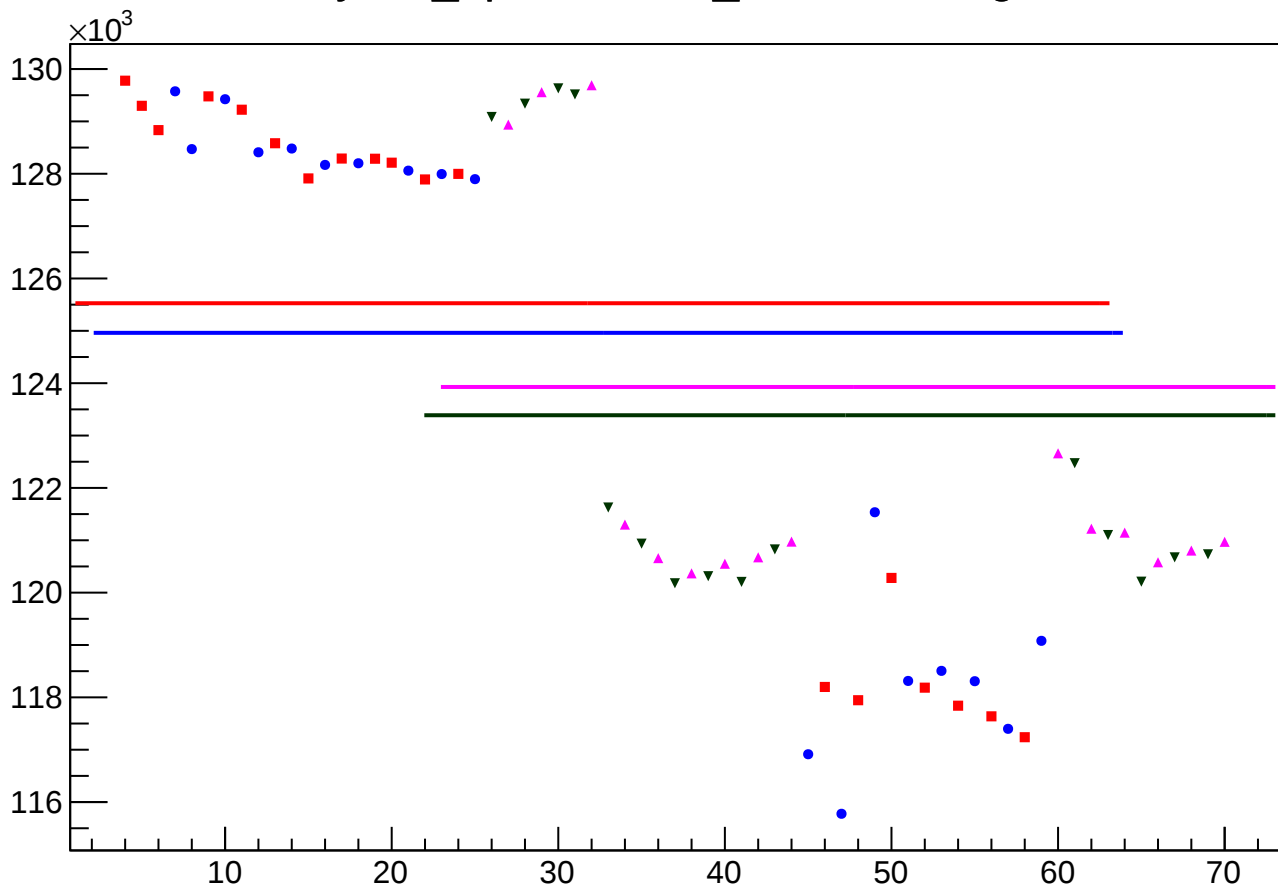
Right Out: 113.579 $\pm$ 0.026 χ^2 /NDF: 206805.2/18

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

116.347 $\pm$ 0.020 χ^2 /NDF: 555091.8/32

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

yield_bpm0i07WS_mean vs slug



Right In: 124961.680 $\pm$ 0.057

χ^2 /NDF: 7216201458.1/17

Left Out: 123387.933 $\pm$ 0.079

χ^2 /NDF: 2577039605.2/14

Right Out: 125527.018 $\pm$ 0.060

χ^2 /NDF: 6545248421.9/18

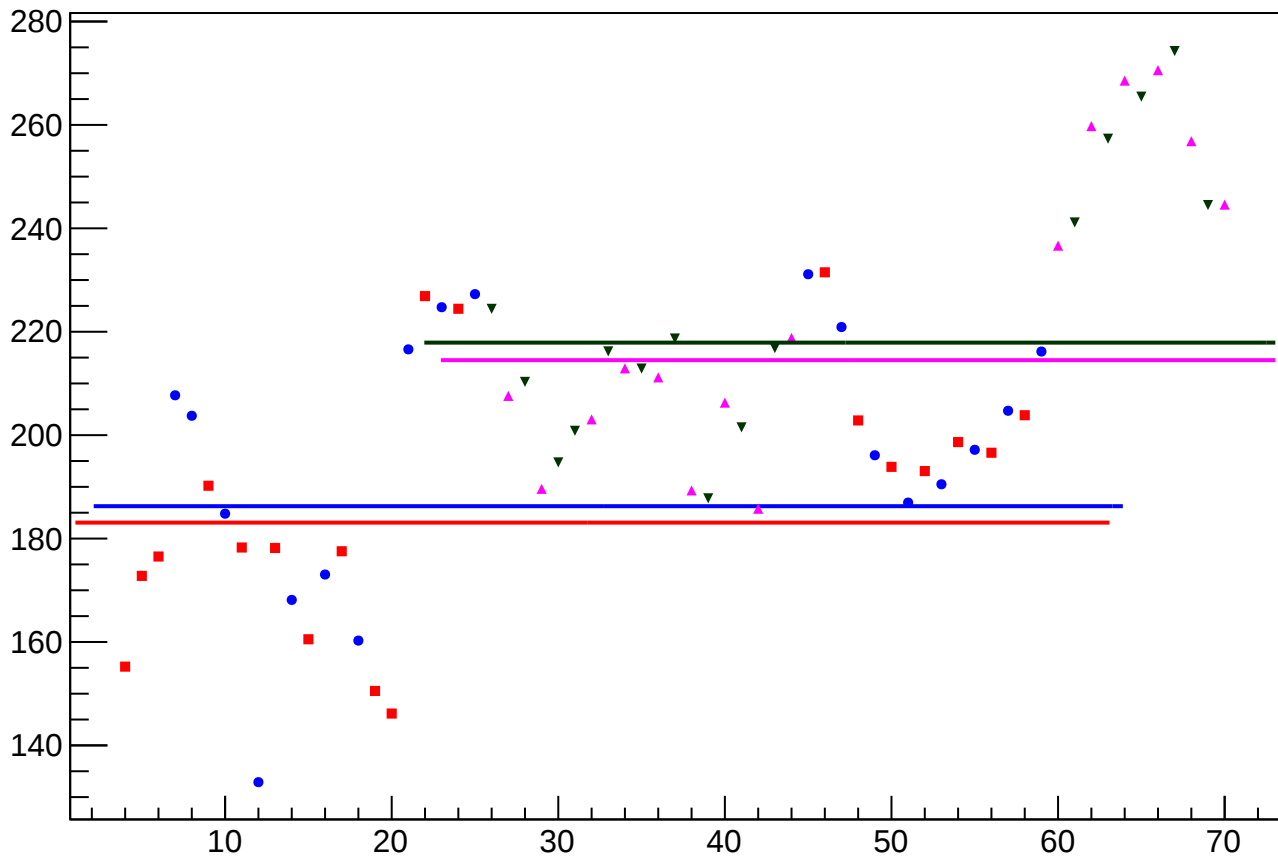
Left In: 123927.877 $\pm$ 0.074

χ^2 /NDF: 3062606900.4/14

124429.405 $\pm$ 0.046 χ^2 /NDF: 10053006695.1/3

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

yield_bpm0i07WS_rms vs slug



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

Left Out: 217.896 $\pm$ 0.056 χ^2 /NDF:181389.5/14

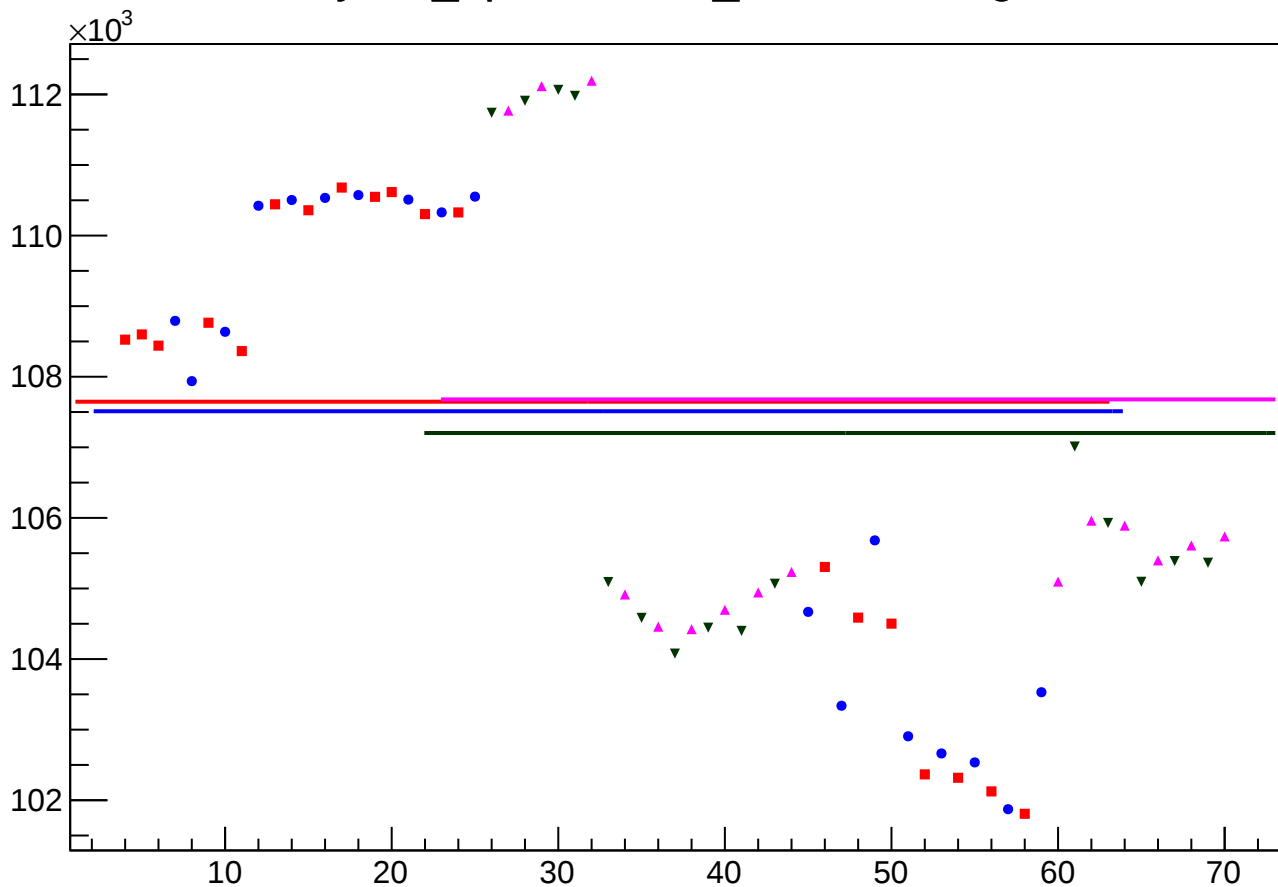
Right Out: 183.088 $\pm$ 0.042 χ^2 /NDF: 276420.3/18

Left In: 214.505 $\pm$ 0.052 χ^2 /NDF:246643.0/14

196.962 $\pm$ 0.033 χ^2 /NDF: 853689.8/32

195.502 $\pm$ 0.033 χ^2 /NDF: 743042.5/33

yield_bpm0l01WS_mean vs slug



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

Left Out: 107202.763 $\pm$ 0.045 χ^2 /NDF: 5593921775.4/14

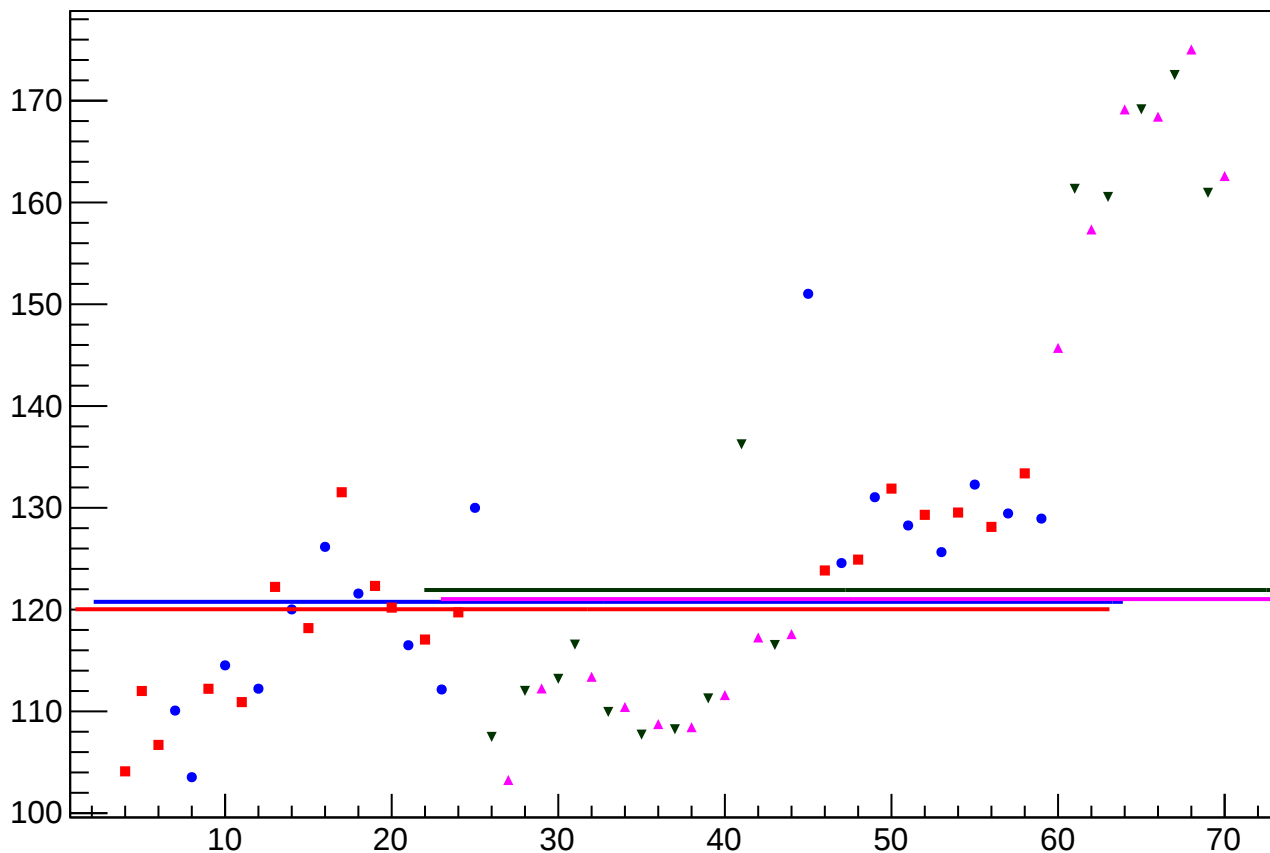
Right Out: 107646.372 $\pm$ 0.039 χ^2 /NDF: 6547636060.9/18

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

107388.335 $\pm$ 0.028 χ^2 /NDF: 13167650735.8/3

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

yield_bpm0l01WS_rms vs slug



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

Left Out: 121.924 $\pm$ 0.032 χ^2 /NDF: 428782.4/14

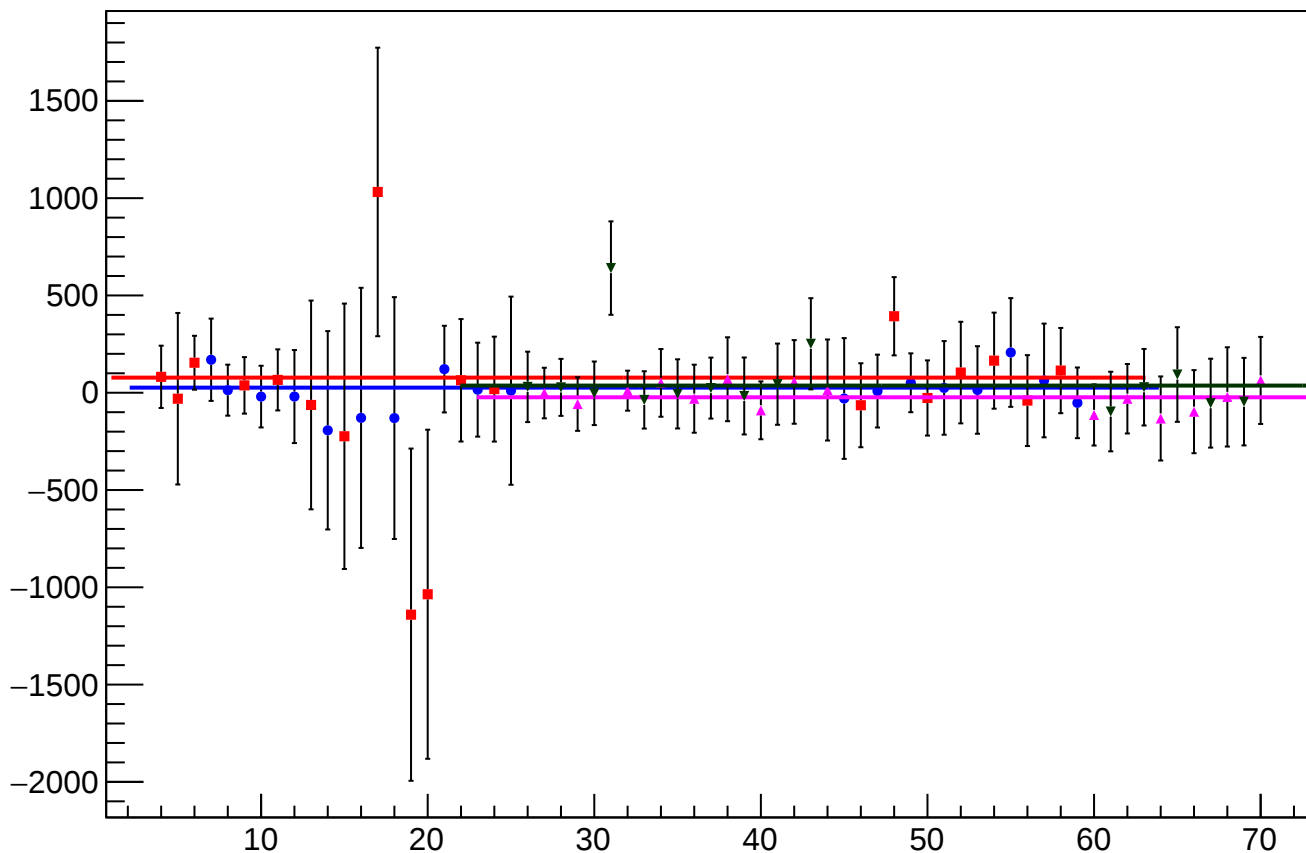
Right Out: 120.035 $\pm$ 0.028 χ^2 /NDF: 93920.3/18

Left In: 121.032 $\pm$ 0.030 χ^2 /NDF: 516732.1/14

121.226 $\pm$ 0.020 χ^2 /NDF: 585316.5/32

120.496 $\pm$ 0.020 χ^2 /NDF: 611259.0/33

asym_bcm_an_ds_mean vs slug



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

Left Out: 36.751 ± 48.637 χ^2/NDF : 8.4/14

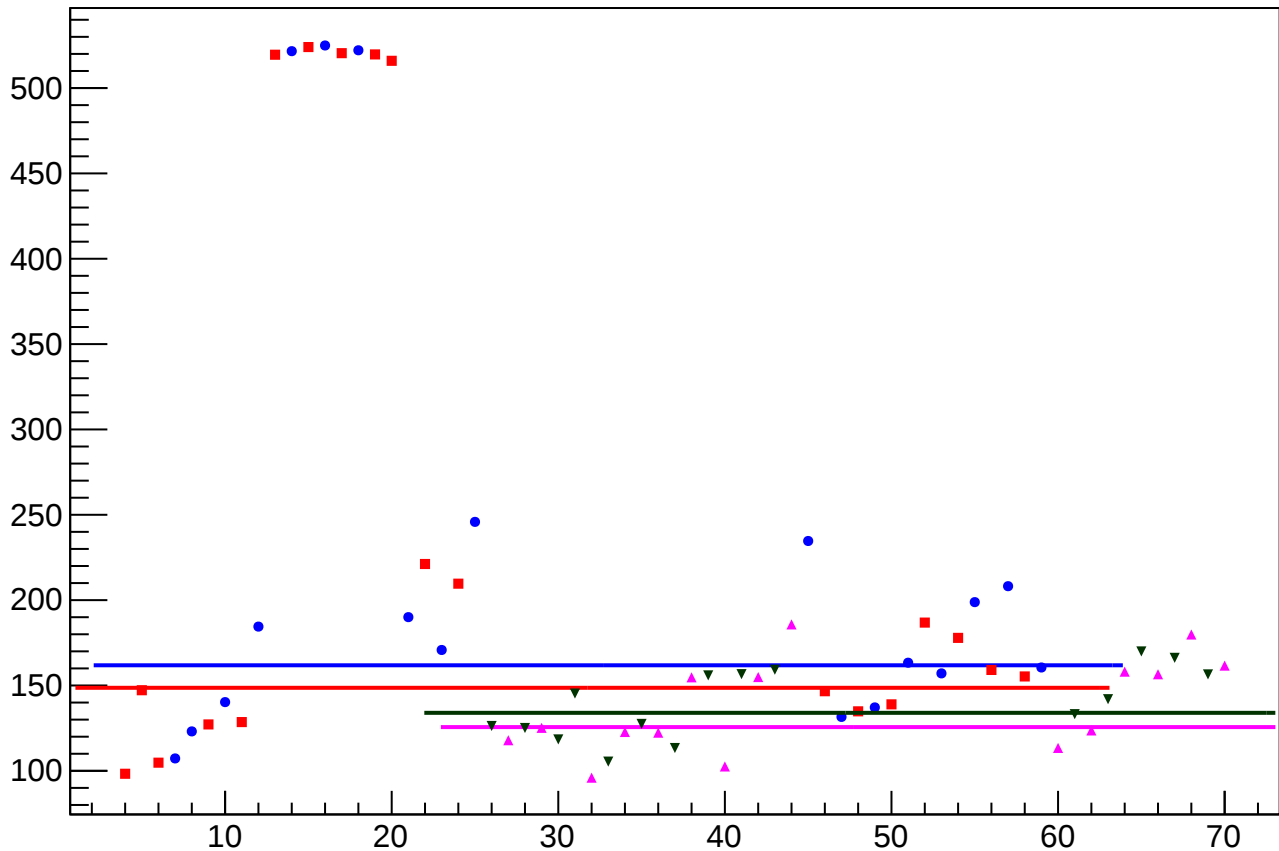
Right Out: 77.703 ± 52.586 χ^2/NDF : 9.8/18

Left In: -23.338 ± 43.604 χ^2/NDF : 1.8/14

31.900 ± 35.682 χ^2/NDF : 10.2/32

17.829 ± 33.566 χ^2/NDF : 13.8/33

asym_bcm_an_ds_rms vs slug



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

Left Out: 133.984+/-0.034 χ^2/NDF :324427.1/14

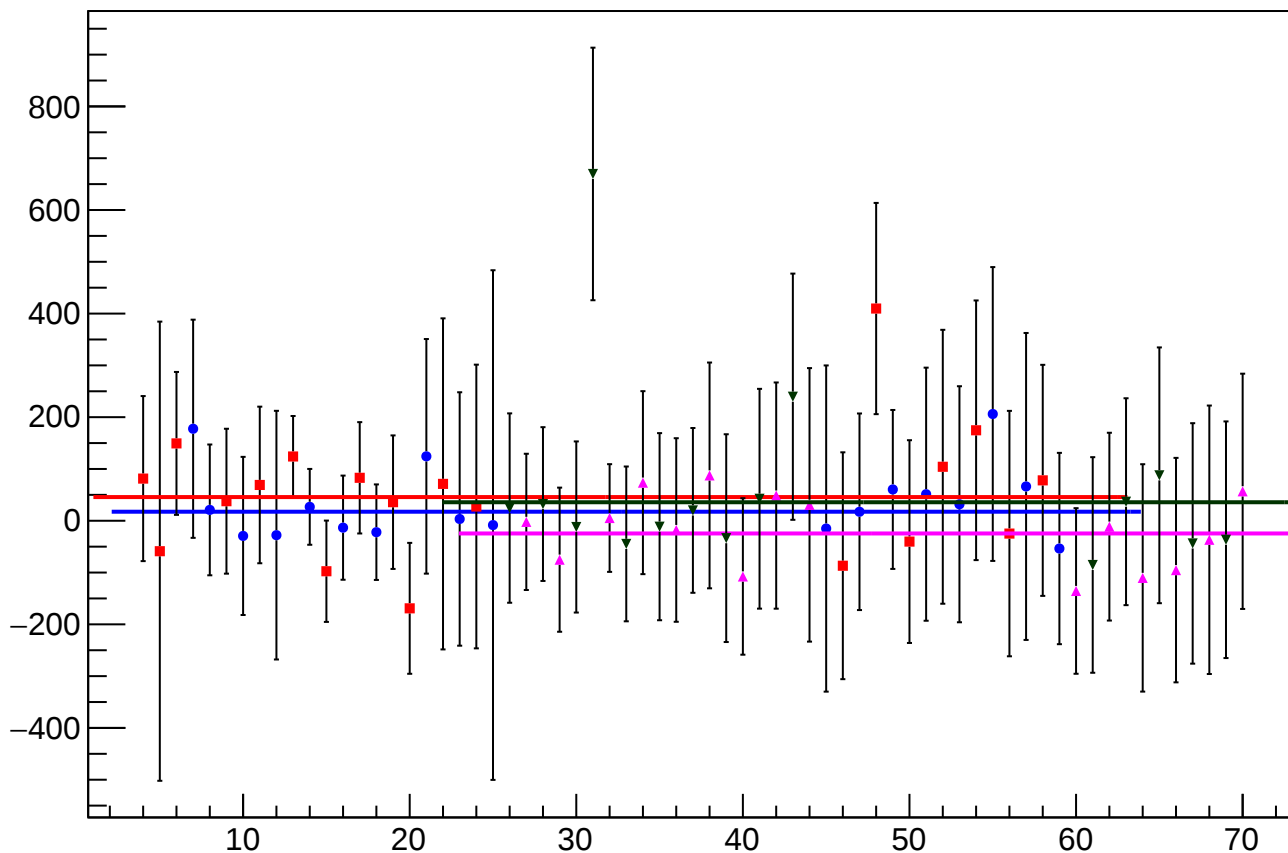
146.844+/-0.025 χ^2/NDF : 3646121.7/32

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

135.005+/-0.024 χ^2/NDF : 4467235.4/33

Left In: 125.626+/-0.031 χ^2/NDF :645539.9/14

asym_bcm_an_ds3_mean vs slug



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

Left Out: 35.746 ± 49.343 χ^2/NDF : 8.7/14

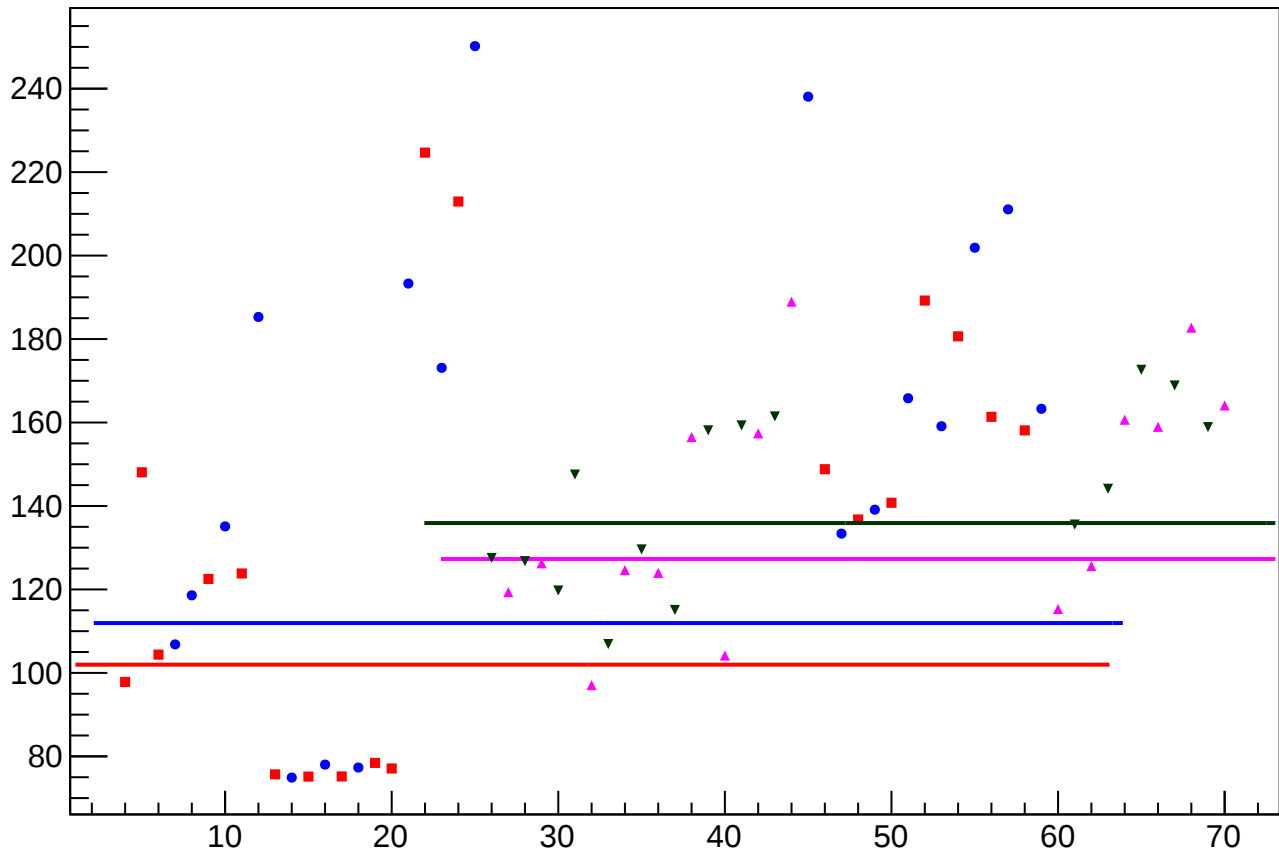
Right Out: 45.735 ± 34.677 χ^2/NDF : 11.0/18

Left In: -24.532 ± 44.198 χ^2/NDF : 2.2/14

23.883 ± 29.247 χ^2/NDF : 10.7/32

18.962 ± 27.282 χ^2/NDF : 14.8/33

asym_bcm_an_ds3_rms vs slug



Right In: 111.942+/-0.026 χ^2/NDF : 2972725.0/17

Left Out: 135.909+/-0.035 χ^2/NDF :327649.0/14

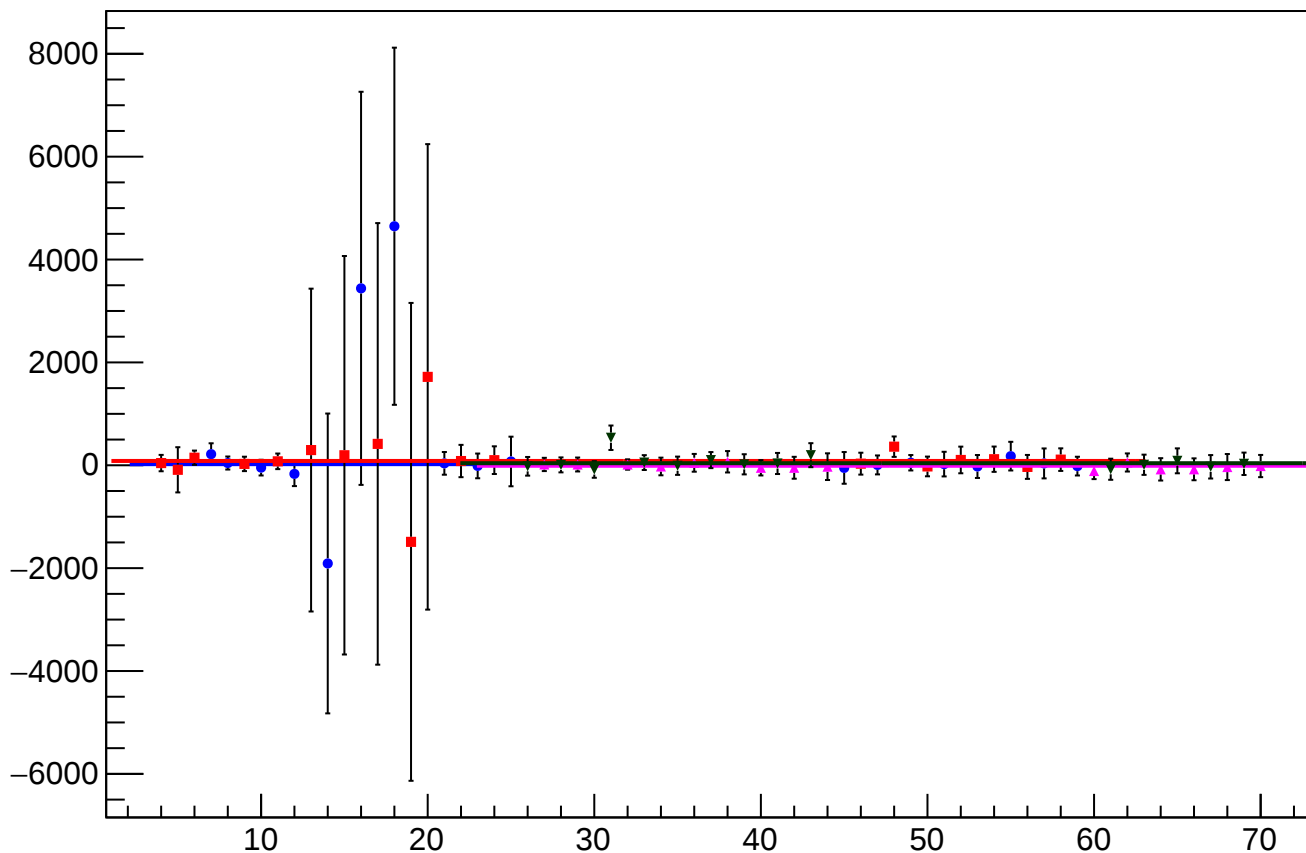
120.362+/-0.021 χ^2/NDF : 3606452.2/32

Right Out: 101.974+/-0.025 χ^2/NDF : 2271871.2/18

111.623+/-0.019 χ^2/NDF : 3330177.7/33

Left In: 127.300+/-0.031 χ^2/NDF :651819.7/14

asym_bcm_an_us_mean vs slug



Right In: 21.772 $\pm$ 52.365 χ^2 /NDF: 5.3/17

Left Out: 40.311 $\pm$ 48.224 χ^2 /NDF: 6.3/14

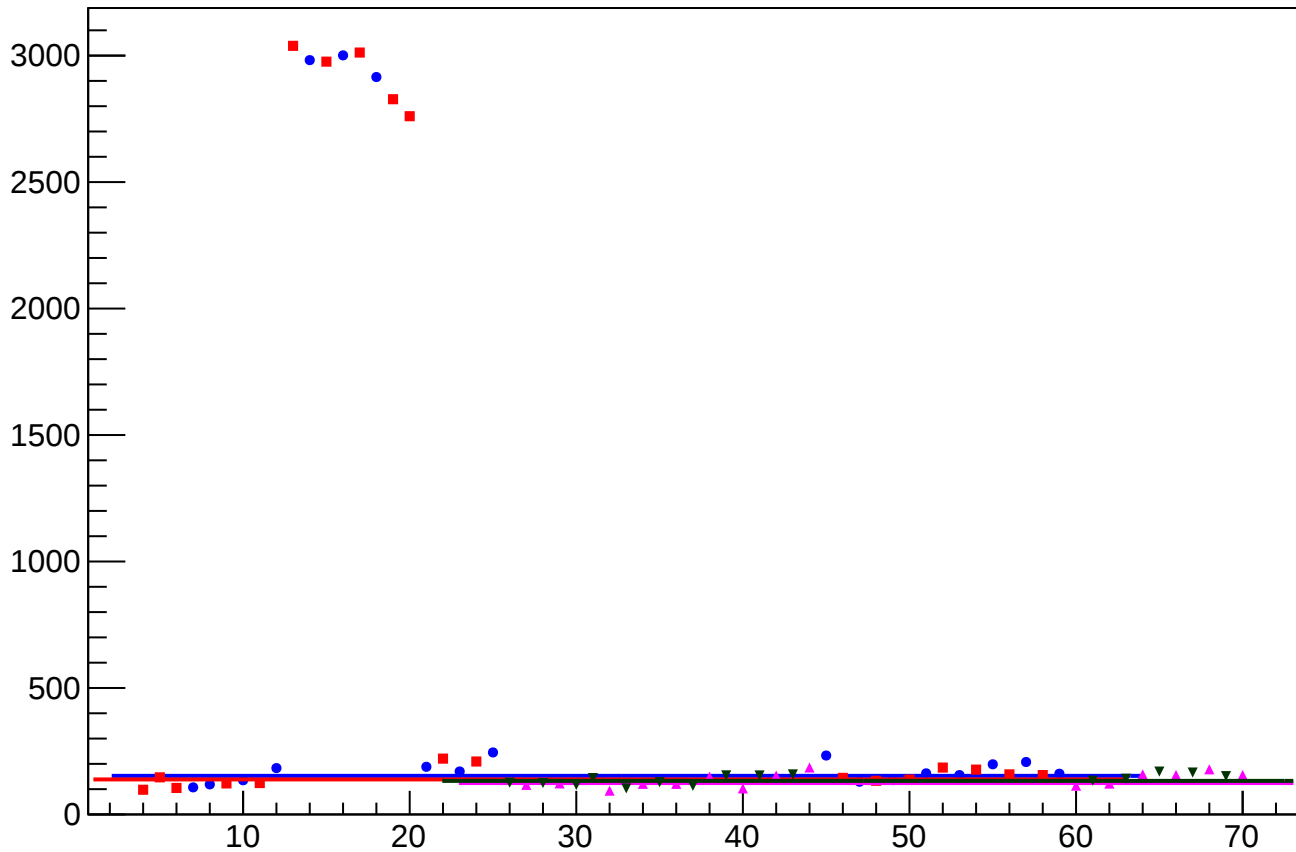
Right Out: 84.092 $\pm$ 52.636 χ^2 /NDF: 3.5/18

Left In: -9.224 $\pm$ 43.103 χ^2 /NDF: 1.3/14

31.803 $\pm$ 35.473 χ^2 /NDF: 11.6/32

28.234 $\pm$ 33.348 χ^2 /NDF: 6.6/33

asym_bcm_an_us_rms vs slug



Right In: 152.628+/-0.037 χ^2/NDF : 5017627.8/17

Left Out: 132.734+/-0.034 χ^2/NDF : 329948.6/14

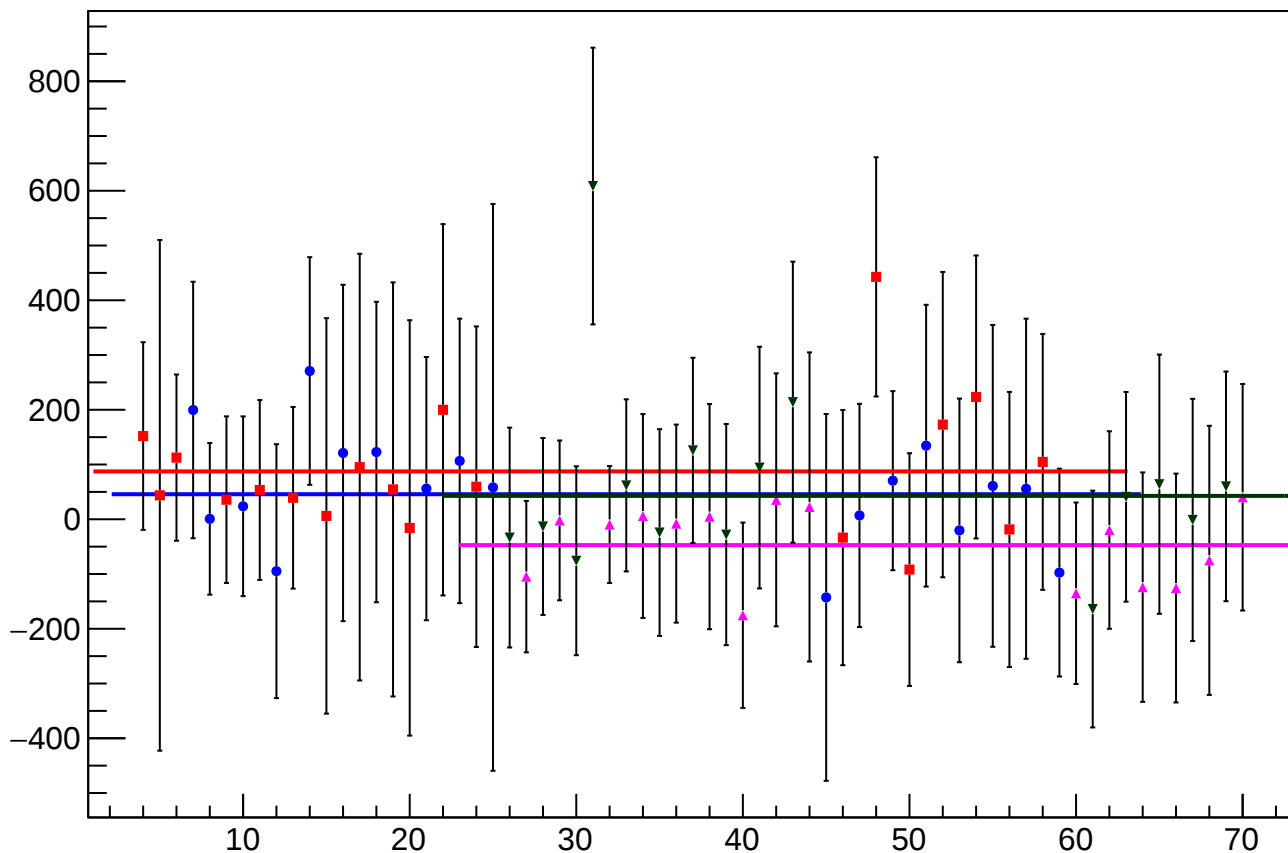
141.864+/-0.025 χ^2/NDF : 5503777.1/32

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

129.895+/-0.024 χ^2/NDF : 6470285.3/33

Left In: 124.155+/-0.030 χ^2/NDF : 647346.4/14

asym_bcm_dg_us_mean vs slug



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

Left Out: 42.697 ± 50.917 χ^2/NDF : 7.7/14

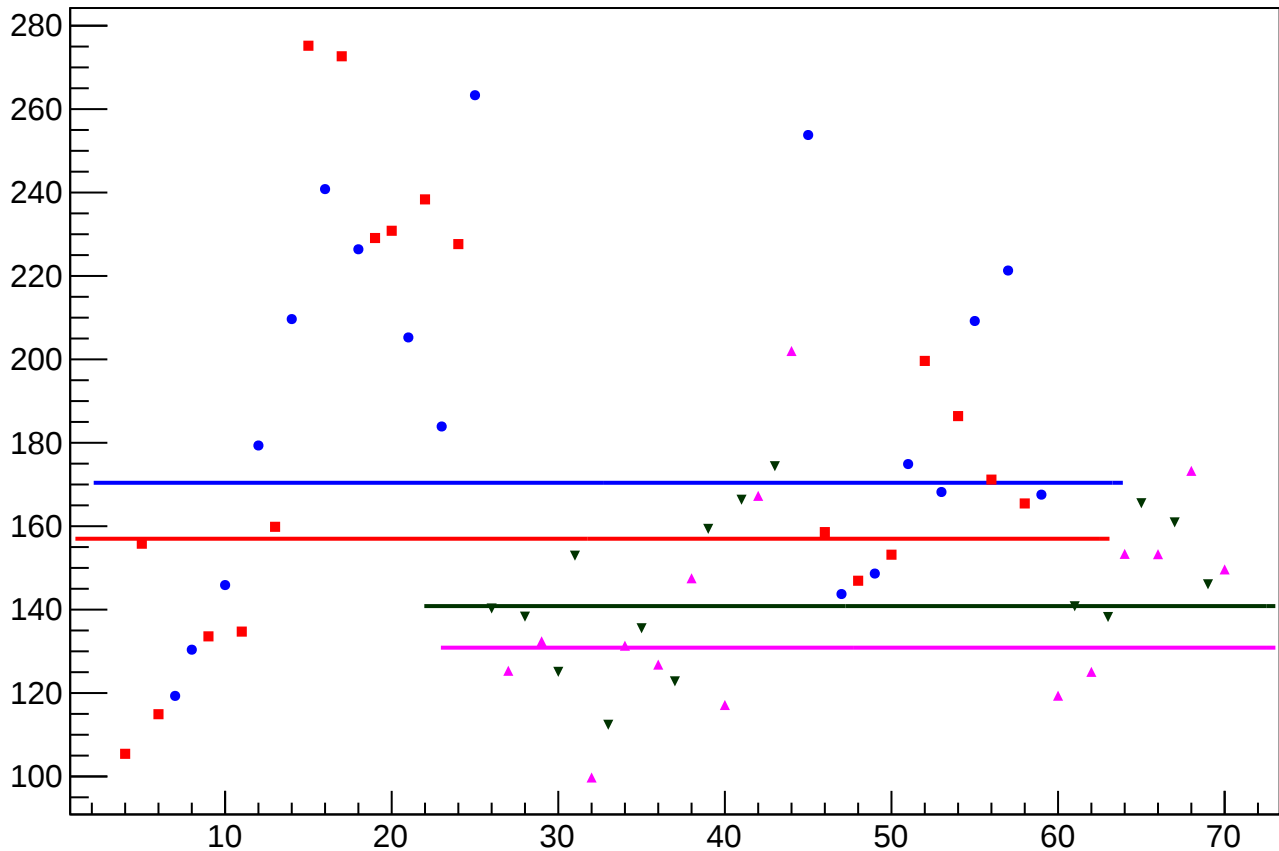
Right Out: 87.434 ± 51.940 χ^2/NDF : 4.9/18

Left In: -47.180 ± 45.227 χ^2/NDF : 2.1/14

44.169 ± 36.585 χ^2/NDF : 11.2/32

10.871 ± 34.109 χ^2/NDF : 10.8/33

asym_bcm_dg_us_rms vs slug



Right In: 170.412 ± 0.037 χ^2/NDF : 964671.4/17

Left Out: 140.848 ± 0.036 χ^2/NDF : 229112.0/14

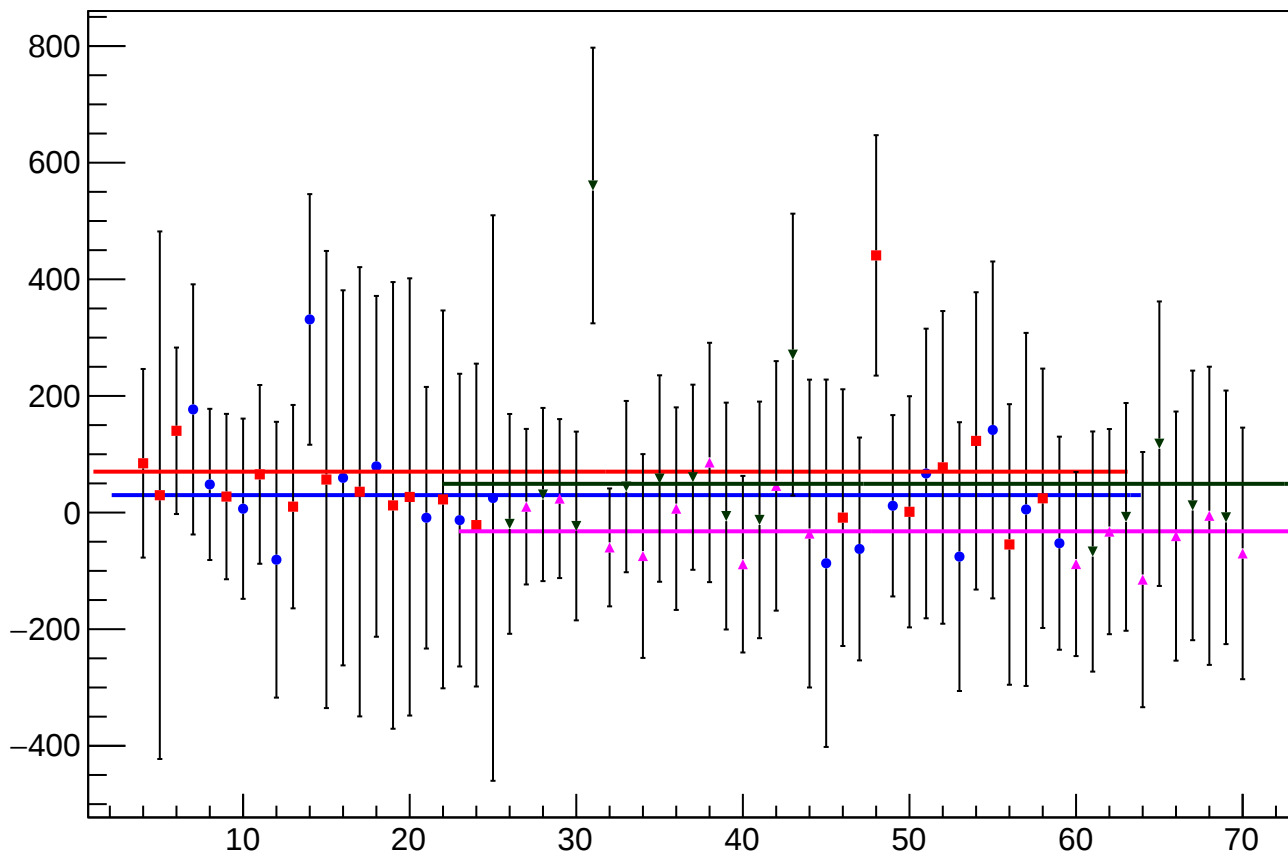
155.148 ± 0.026 χ^2/NDF : 1519940.5/32

Right Out: 156.997 ± 0.037 χ^2/NDF : 1276447.5/18

142.142 ± 0.024 χ^2/NDF : 2075069.1/33

Left In: 130.879 ± 0.032 χ^2/NDF : 510995.5/14

asym_bcm_dg_ds_mean vs slug



Right In: 29.919+/-50.591 χ^2/NDF : 3.8/17

Left Out: 49.285+/-48.690 χ^2/NDF : 6.6/14

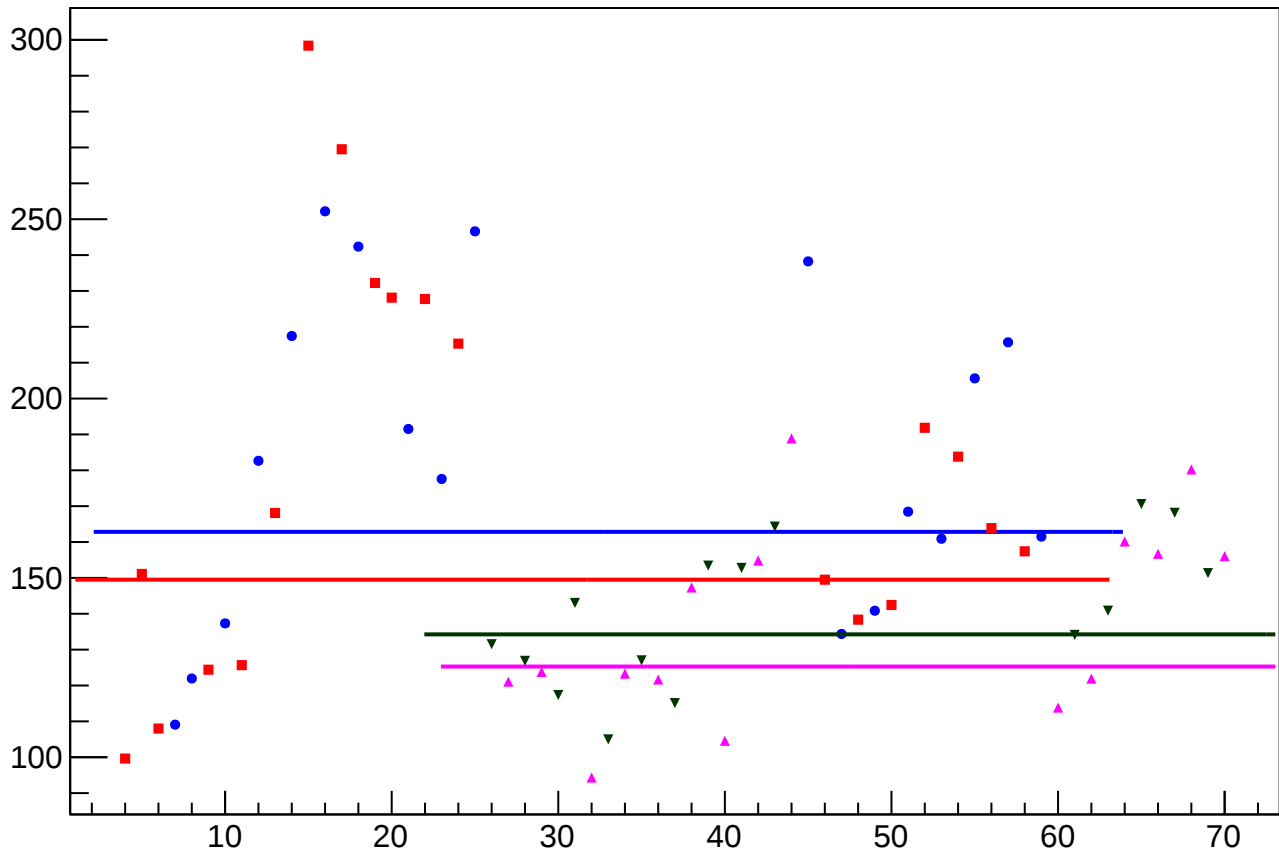
Right Out: 70.155+/-49.782 χ^2/NDF : 4.5/18

Left In: -32.144+/-43.465 χ^2/NDF : 1.4/14

39.973+/-35.082 χ^2/NDF : 10.5/32

12.107+/-32.742 χ^2/NDF : 8.2/33

asym_bcm_dg_ds_rms vs slug



Right In: 162.833+/-0.036 χ^2/NDF : 1229021.5/17

Left Out: 134.251+/-0.034 χ^2/NDF : 310947.8/14

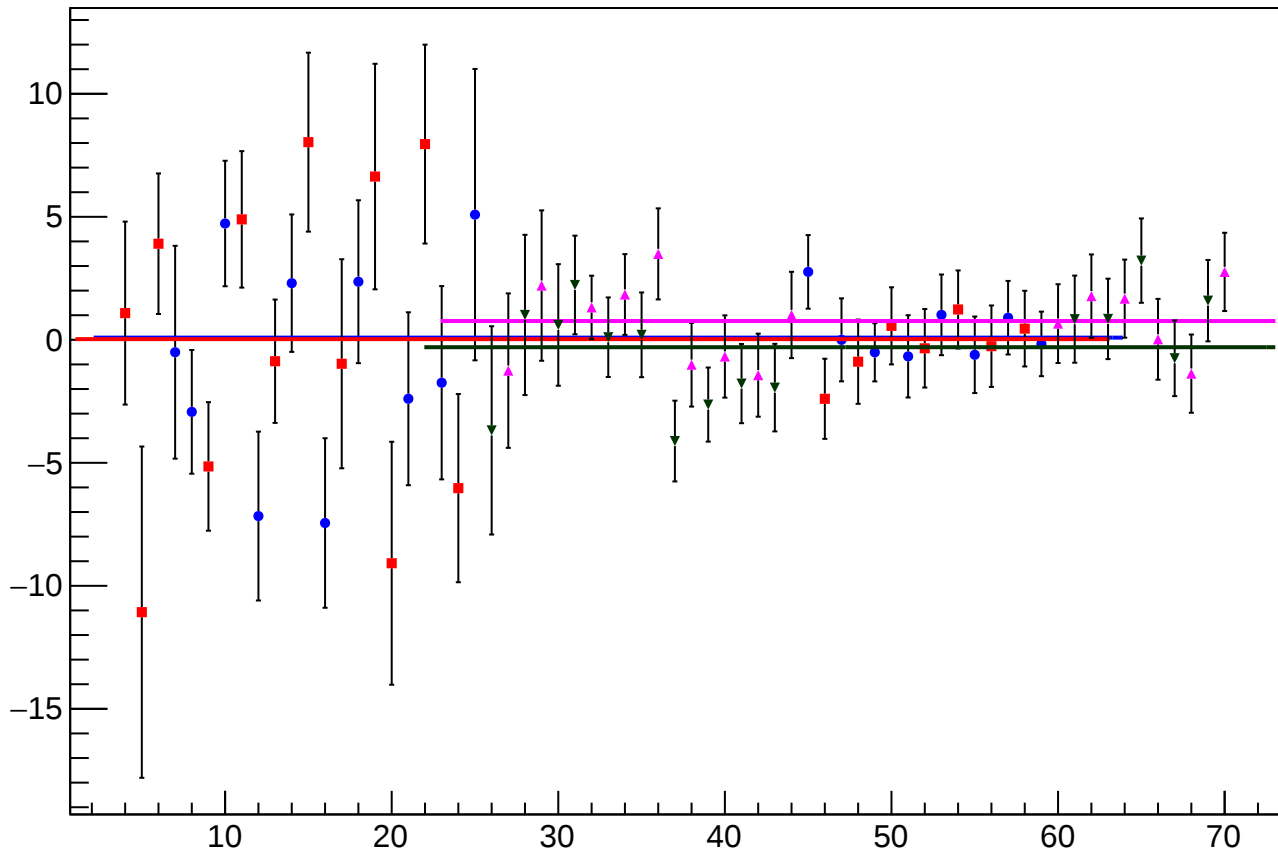
147.995+/-0.025 χ^2/NDF : 1871367.3/32

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

135.762+/-0.023 χ^2/NDF : 2403339.2/33

Left In: 125.285+/-0.031 χ^2/NDF : 643969.8/14

asym_cav4bQ_mean vs slug



Right In: 0.089 ± 0.466 χ^2/NDF : 21.1/17

Left Out: -0.300 ± 0.465 χ^2/NDF : 18.7/14

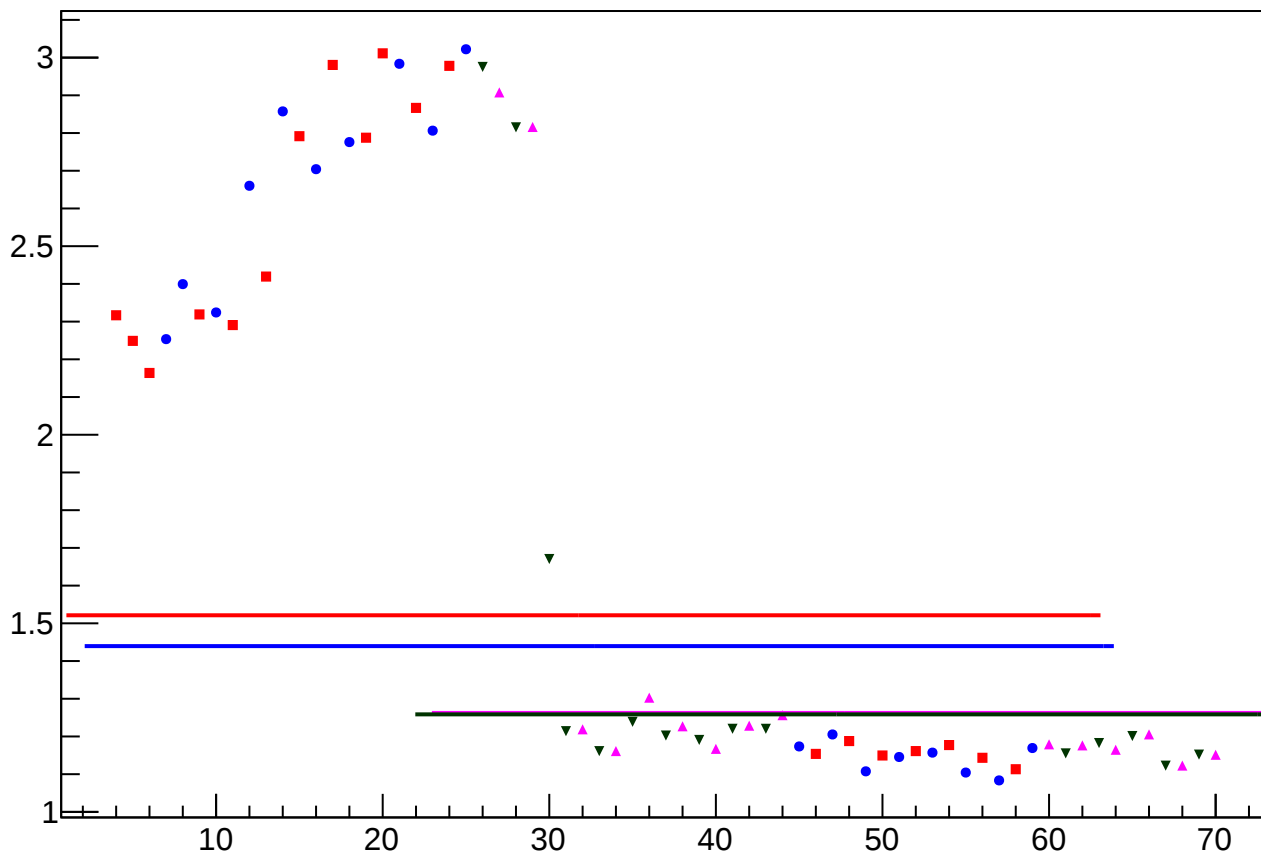
Right Out: 0.028 ± 0.520 χ^2/NDF : 31.9/18

Left In: 0.764 ± 0.441 χ^2/NDF : 11.3/14

-0.106 ± 0.329 χ^2/NDF : 40.1/32

0.456 ± 0.336 χ^2/NDF : 44.3/33

asym_cav4bQ_rms vs slug



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3409388.4/17

Left Out: 1.259 $\pm$ 0.000 χ^2 /NDF:895531.4/14

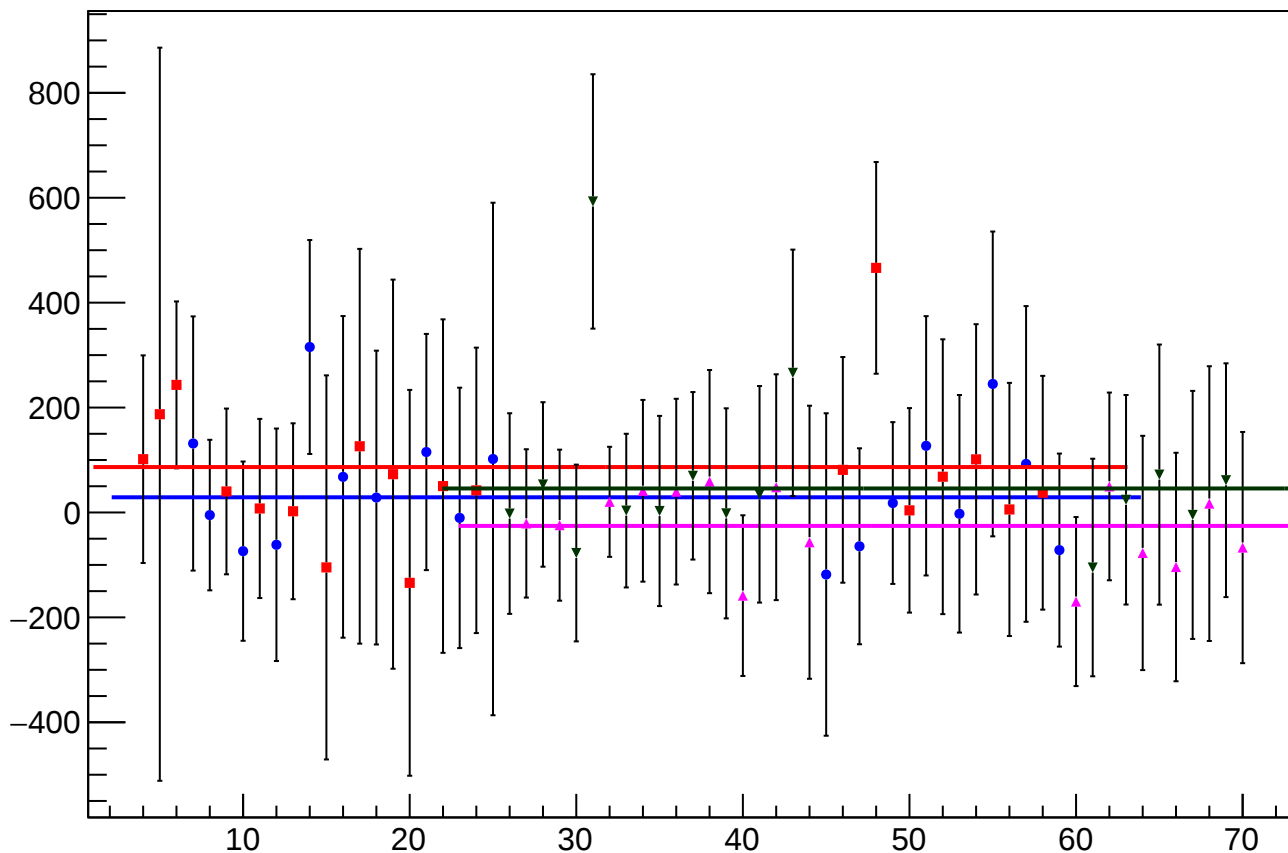
Right Out: 1.521 $\pm$ 0.000 χ^2 /NDF: 2870549.2/18

Left In: 1.262 $\pm$ 0.000 χ^2 /NDF:1130704.8/14

1.349 $\pm$ 0.000 χ^2 /NDF: 4456043.8/32

1.371 $\pm$ 0.000 χ^2 /NDF: 4290142.5/33

asym_cav4cQ_mean vs slug



Right In: 28.930 $\pm$ 51.478 χ^2 /NDF: 4.5/17

Left Out: 45.758 $\pm$ 49.653 χ^2 /NDF: 7.4/14

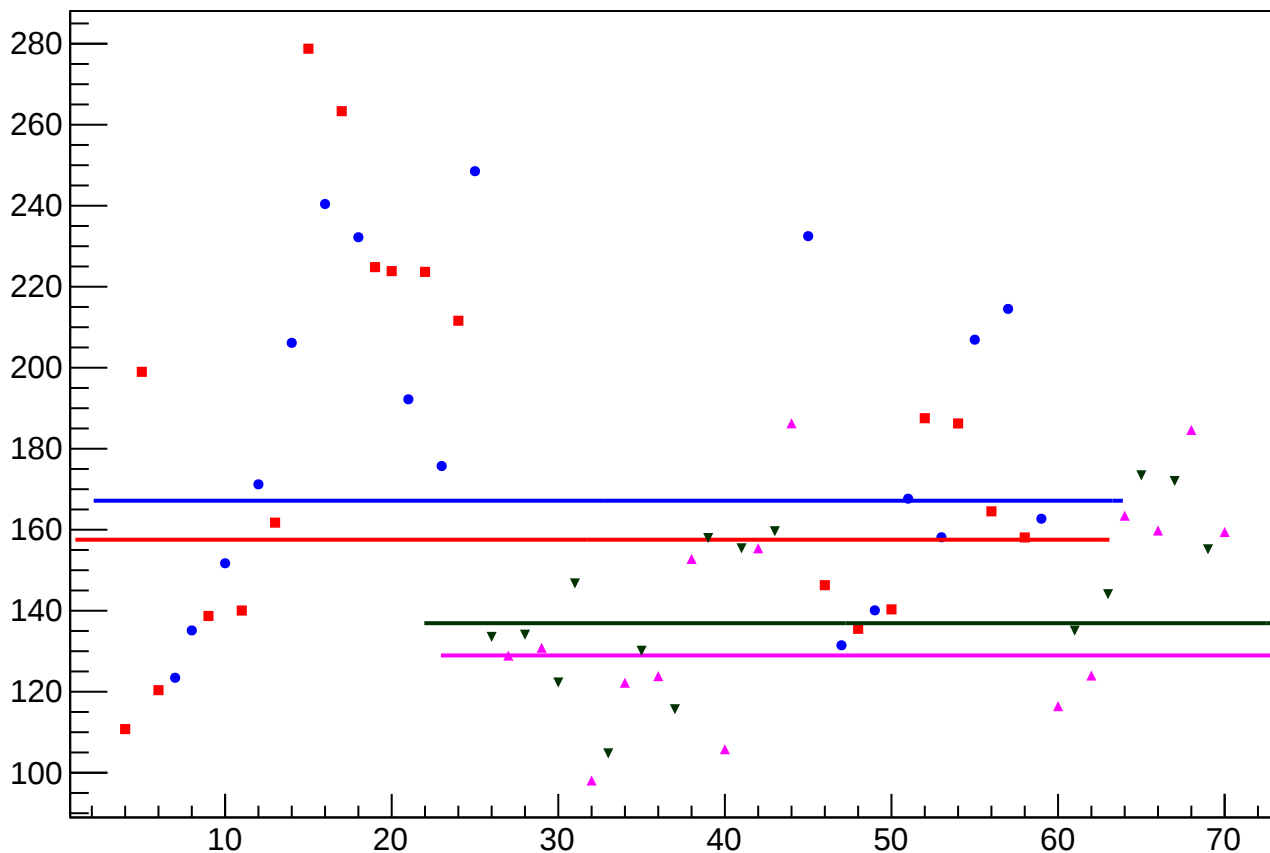
Right Out: 86.558 $\pm$ 52.059 χ^2 /NDF: 6.1/18

Left In: -25.610 $\pm$ 44.658 χ^2 /NDF: 2.7/14

37.647 $\pm$ 35.738 χ^2 /NDF: 12.0/32

21.941 $\pm$ 33.895 χ^2 /NDF: 11.5/33

asym_cav4cQ_rms vs slug



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

Left Out: 136.920 $\pm$ 0.035 χ^2/NDF : 314533.3/14

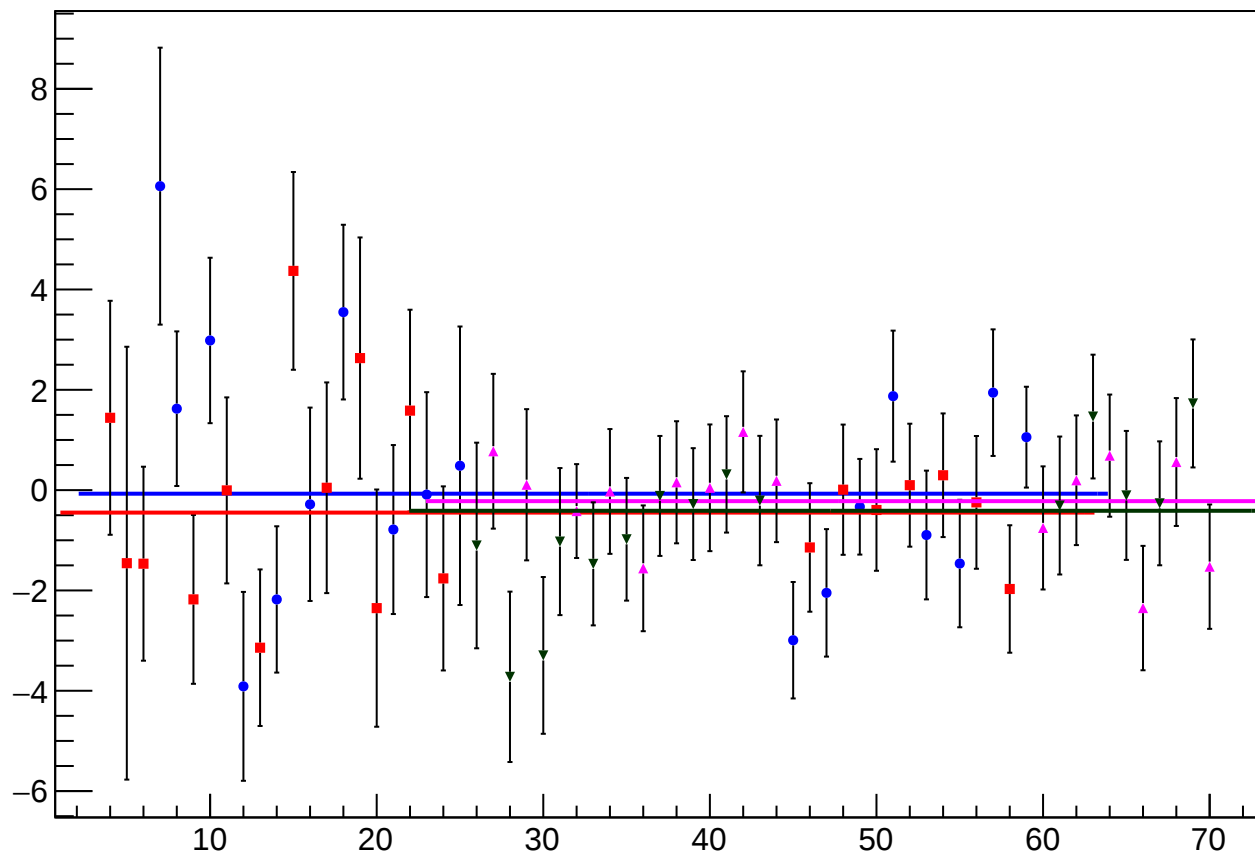
151.494 $\pm$ 0.025 χ^2/NDF : 1547842.4/32

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

141.071 $\pm$ 0.024 χ^2/NDF : 2003354.9/33

Left In: 128.956 $\pm$ 0.032 χ^2/NDF : 606462.4/14

asym_cav4dQ_mean vs slug



Right In: -0.071 ± 0.335 χ^2/NDF : 36.8/17

Left Out: -0.412 ± 0.339 χ^2/NDF : 14.2/14

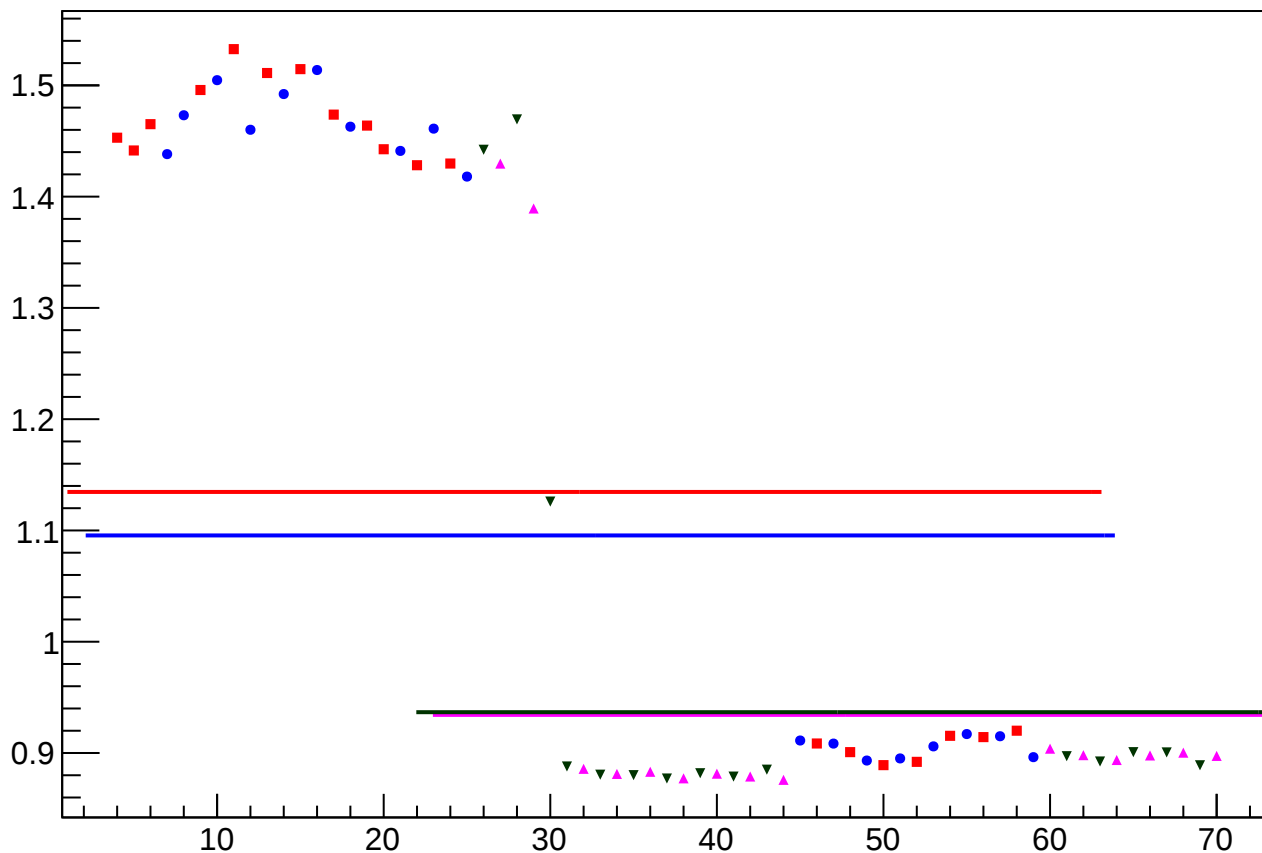
Right Out: -0.448 ± 0.369 χ^2/NDF : 17.4/18

Left In: -0.220 ± 0.320 χ^2/NDF : 8.5/14

-0.240 ± 0.238 χ^2/NDF : 51.5/32

-0.318 ± 0.242 χ^2/NDF : 26.1/33

asym_cav4dQ_rms vs slug



Right In: 1.096+/-0.000 χ^2/NDF : 1288766.9/17

Left Out: 0.937+/-0.000 χ^2/NDF : 386728.2/14

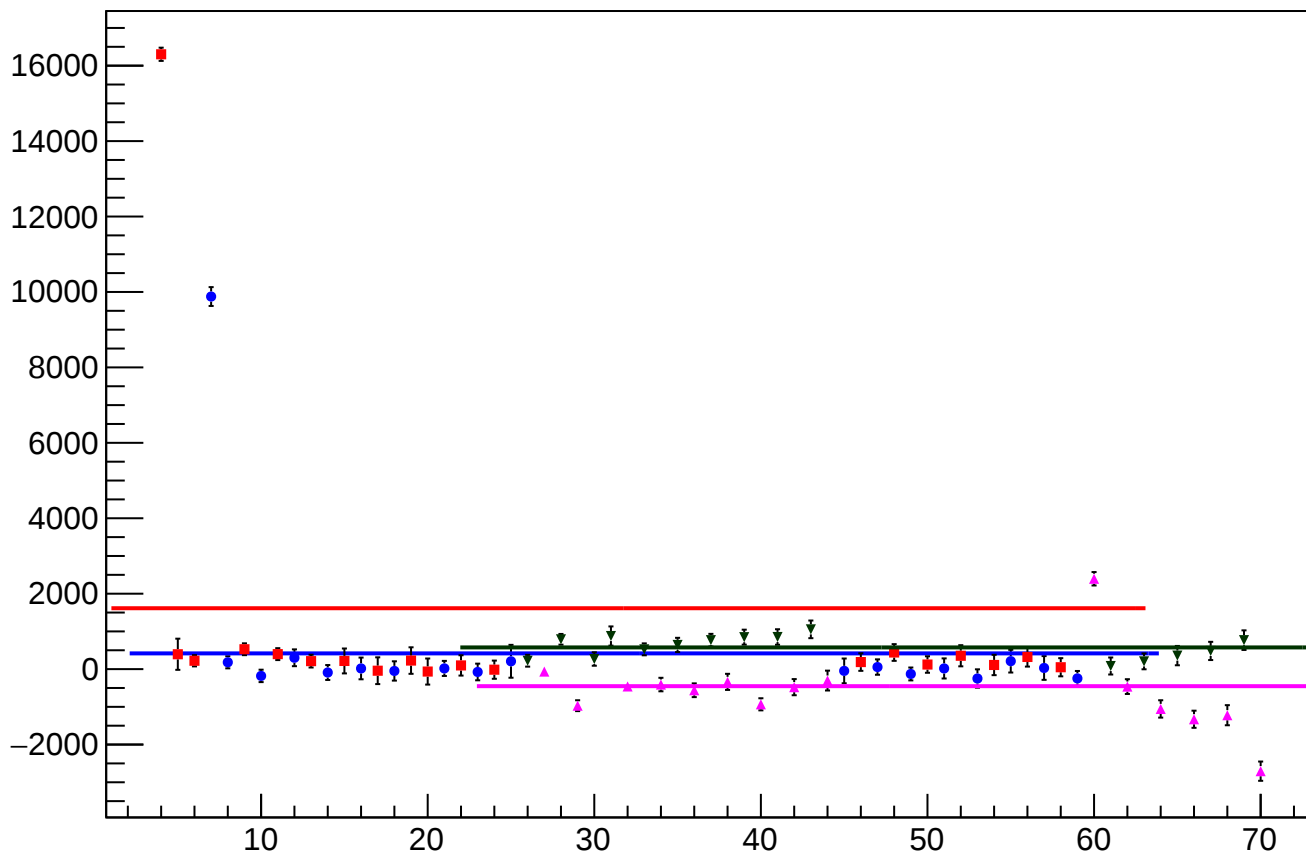
Right Out: 1.135+/-0.000 χ^2/NDF : 1161881.6/18

Left In: 0.934+/-0.000 χ^2/NDF : 427463.5/14

1.017+/-0.000 χ^2/NDF : 1897318.7/32

1.020+/-0.000 χ^2/NDF : 1926148.2/33

asym_bcm0l02_mean vs slug



Right In: 417.186 ± 52.636 $\chi^2/\text{NDF}: 1507.9/17$

Left Out: 575.202 ± 50.117 $\chi^2/\text{NDF}: 30.5/14$

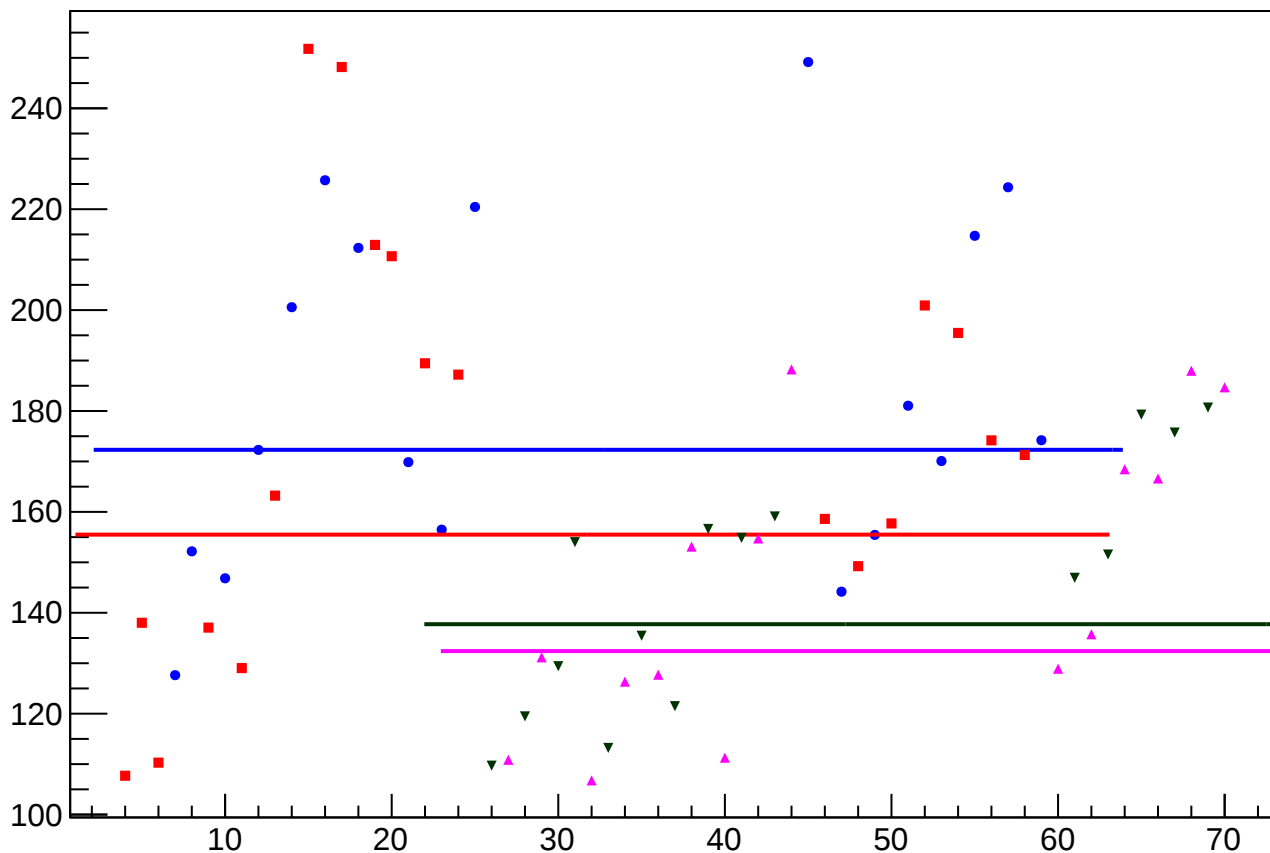
Right Out: 1614.499 ± 51.138 $\chi^2/\text{NDF}: 7665.3/18$

Left In: -452.052 ± 45.779 $\chi^2/\text{NDF}: 397.0/14$

500.065 ± 36.296 $\chi^2/\text{NDF}: 1543.2/32$

467.294 ± 34.108 $\chi^2/\text{NDF}: 8968.8/33$

asym_bcm0l02_rms vs slug



Right In: 172.303+/-0.037 χ^2/NDF : 600813.3/17

Left Out: 137.737+/-0.035 χ^2/NDF :394579.6/14

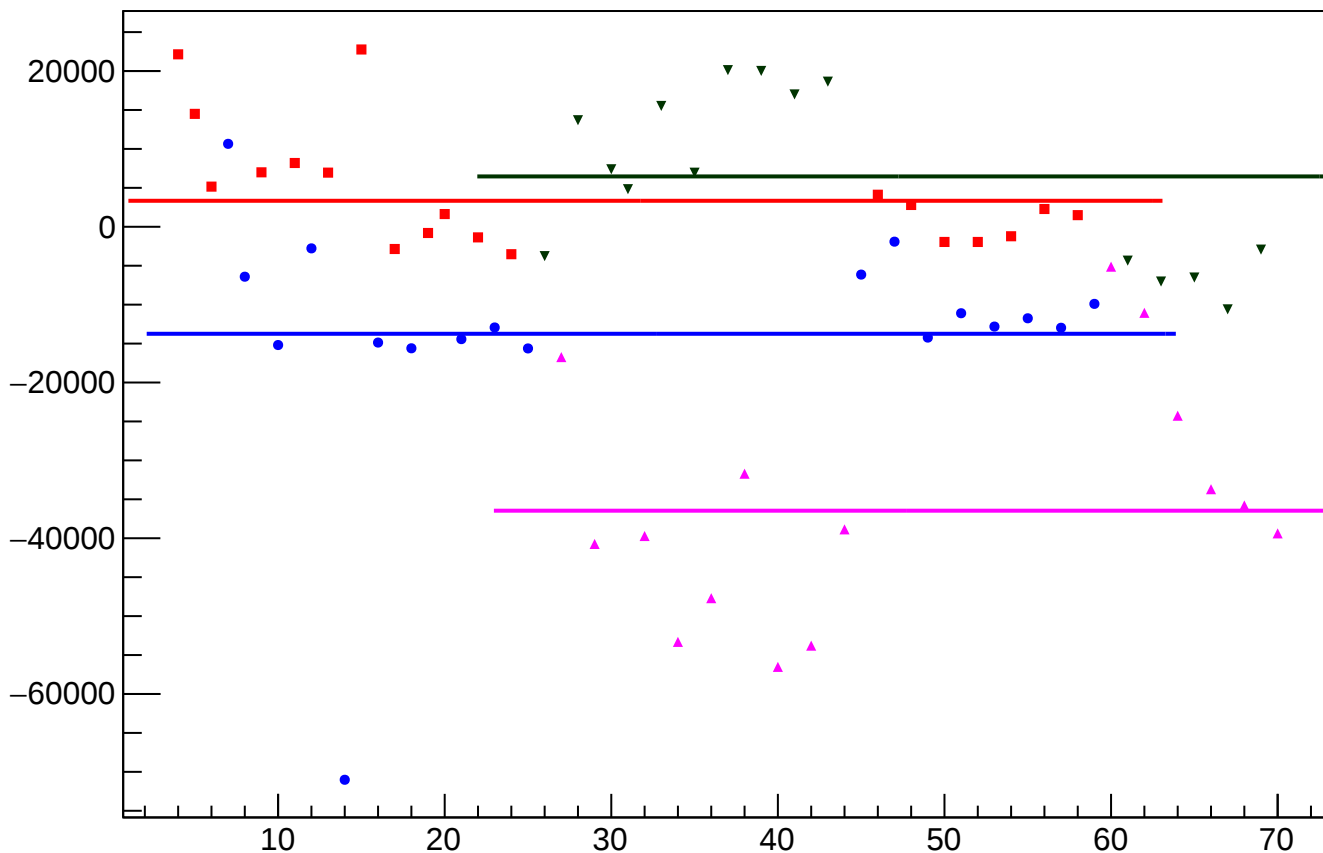
154.174+/-0.026 χ^2/NDF : 1447782.3/32

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

142.678+/-0.024 χ^2/NDF : 1845209.9/33

Left In: 132.407+/-0.032 χ^2/NDF :600185.5/14

asym_bpm2i01WS_mean vs slug



Right In: -13741.376 ± 32.053 χ^2/NDF : 222194.3/17

Left Out: 6466.541 ± 34.163 χ^2/NDF : 107808.4/14

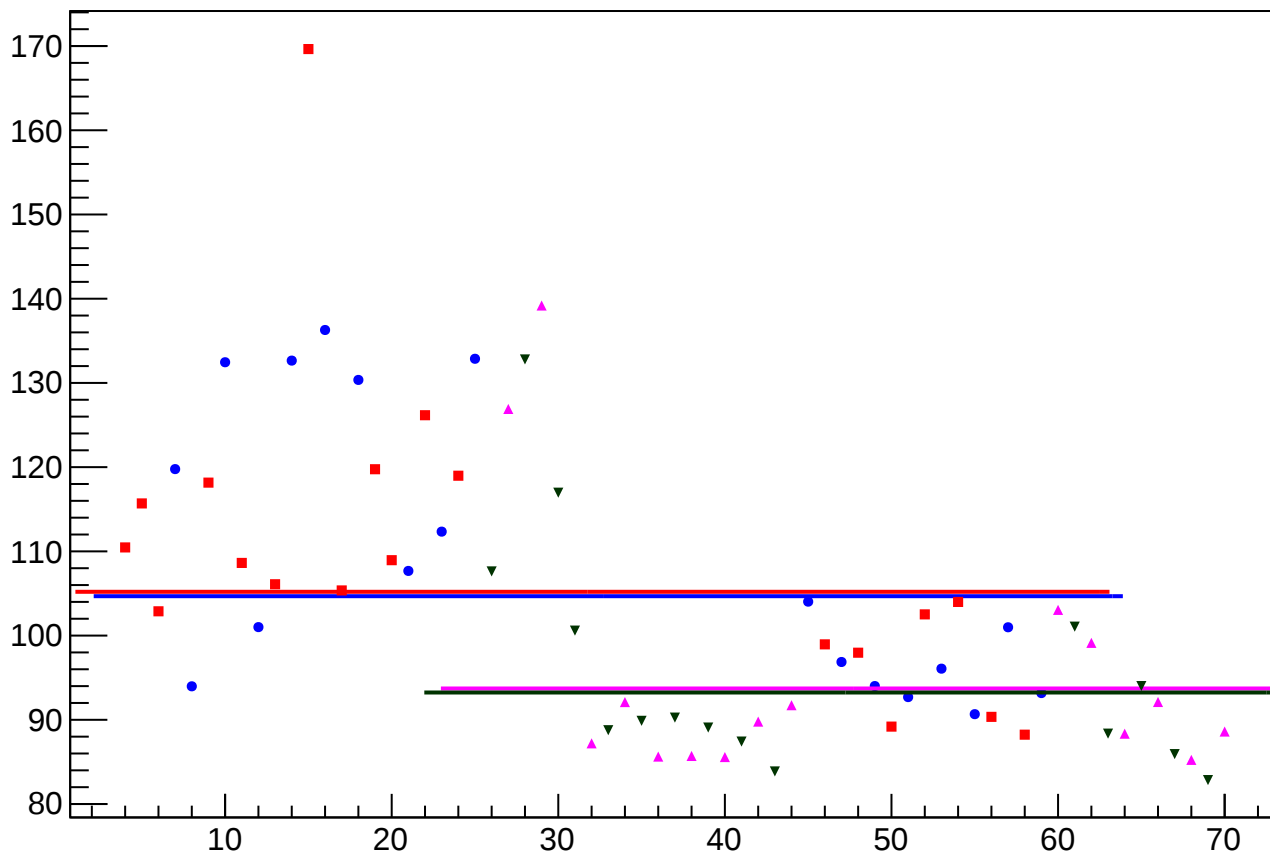
Right Out: 3338.926 ± 34.258 χ^2/NDF : 31361.1/18

Left In: -36461.202 ± 32.587 χ^2/NDF : 181142.1/14

-4280.735 ± 23.375 χ^2/NDF : 516087.7/32

-17554.999 ± 23.611 χ^2/NDF : 921088.8/33

asym_bpm2i01WS_rms vs slug



Right In: 104.677 $\pm$ 0.023 χ^2 /NDF: 431749.6/17

Left Out: 93.243 $\pm$ 0.024 χ^2 /NDF:236664.3/14

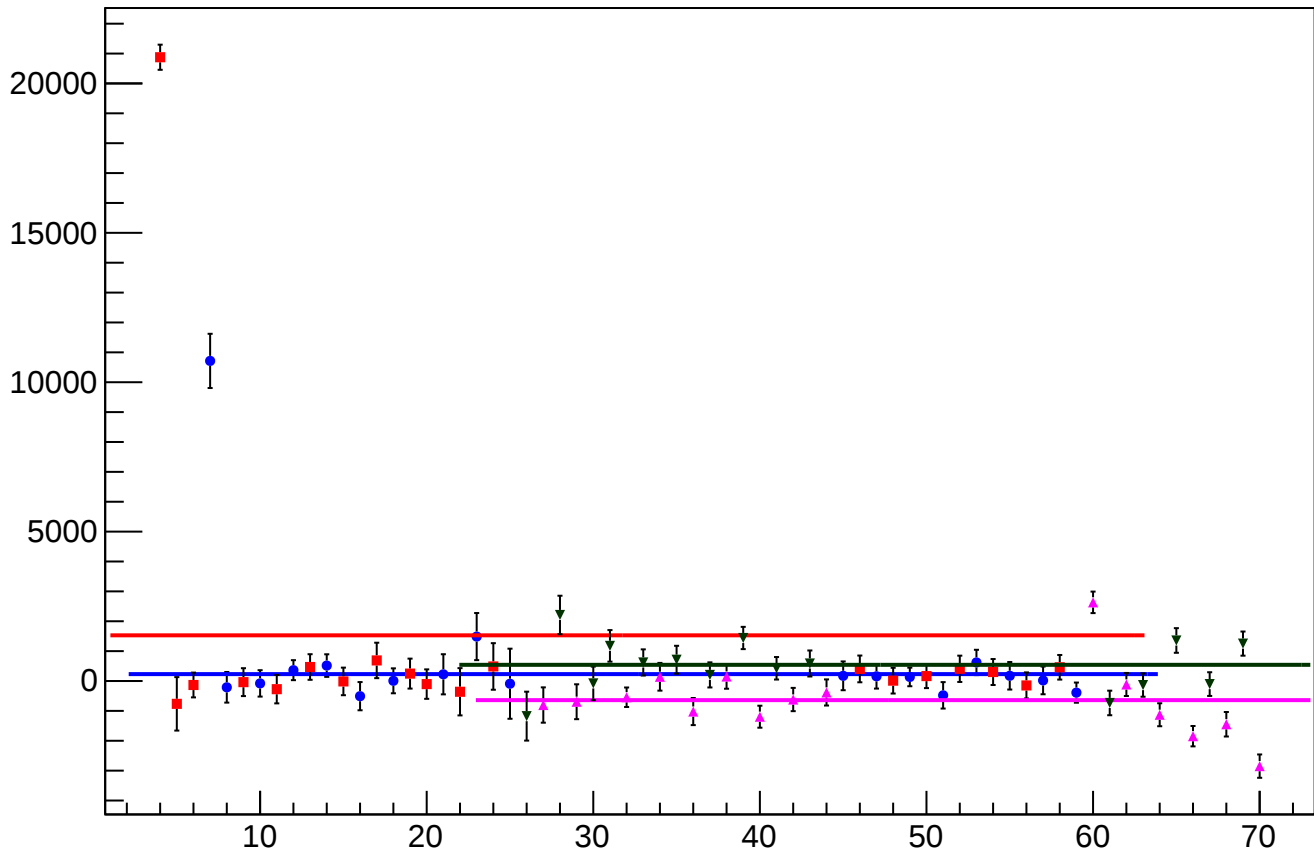
Right Out: 105.200 $\pm$ 0.024 χ^2 /NDF: 336723.5/18

Left In: 93.718 $\pm$ 0.023 χ^2 /NDF:344702.6/14

99.324 $\pm$ 0.017 χ^2 /NDF: 787570.6/32

99.173 $\pm$ 0.017 χ^2 /NDF: 799375.8/33

asym_bpm0i07WS_mean vs slug



Right In: 230.965+/-105.235 χ^2/NDF : 148.0/17

Left Out: 541.743+/-114.299 χ^2/NDF : 42.8/14

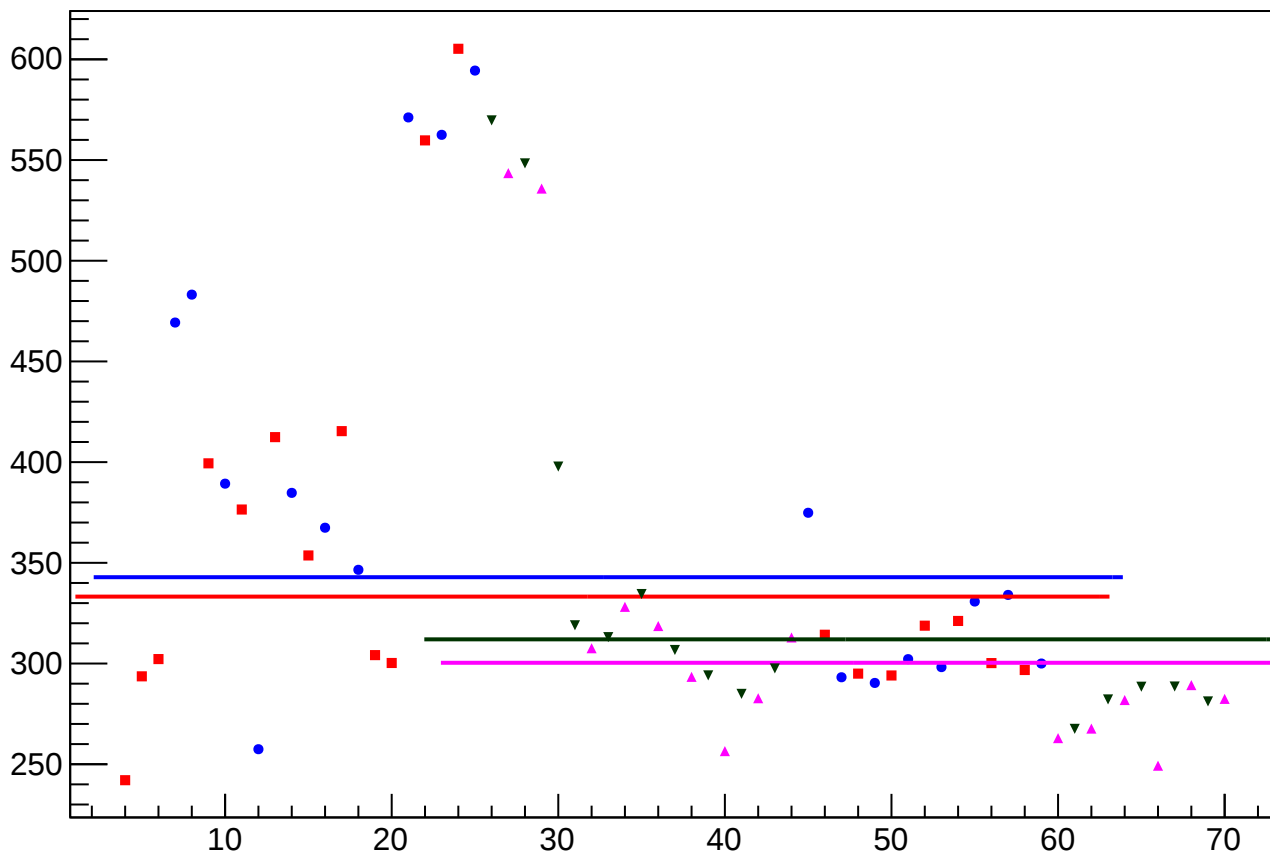
373.545+/-77.419 χ^2/NDF : 194.8/32

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

395.671+/-75.287 χ^2/NDF : 2625.8/33

Left In: -640.173+/-104.156 χ^2/NDF : 144.6/14

asym_bpm0i07WS_rms vs slug



Right In: 342.865 $\pm$ 0.074 χ^2 /NDF: 1018623.1/17

Left Out: 312.006 $\pm$ 0.081 χ^2 /NDF: 596966.3/14

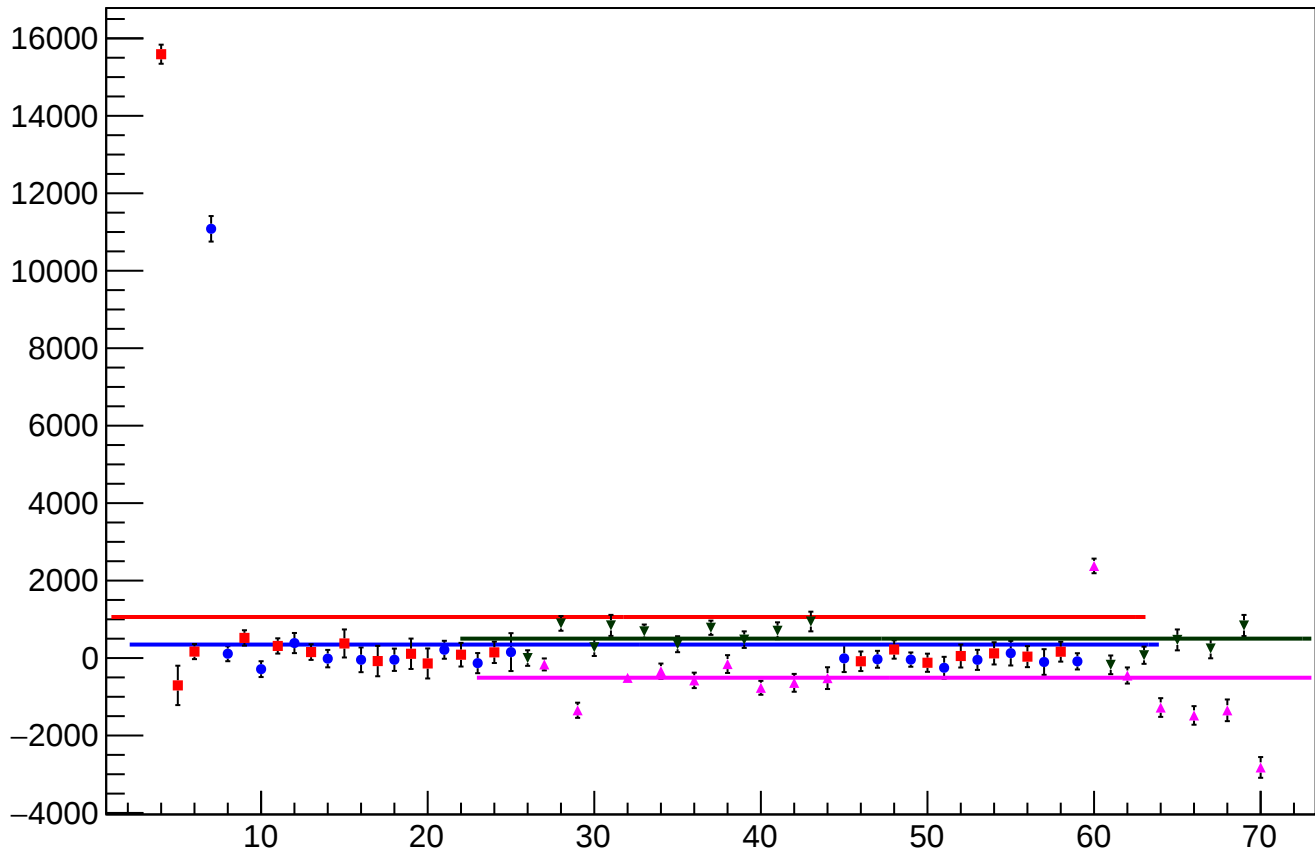
328.707 $\pm$ 0.055 χ^2 /NDF: 1694490.7/32

Right Out: 333.230 $\pm$ 0.077 χ^2 /NDF: 768934.3/18

316.062 $\pm$ 0.053 χ^2 /NDF: 1665019.3/33

Left In: 300.372 $\pm$ 0.074 χ^2 /NDF: 801036.9/14

asym_bpm0l01WS_mean vs slug



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

Left Out: 501.367 ± 56.845 χ^2/NDF : 35.1/14

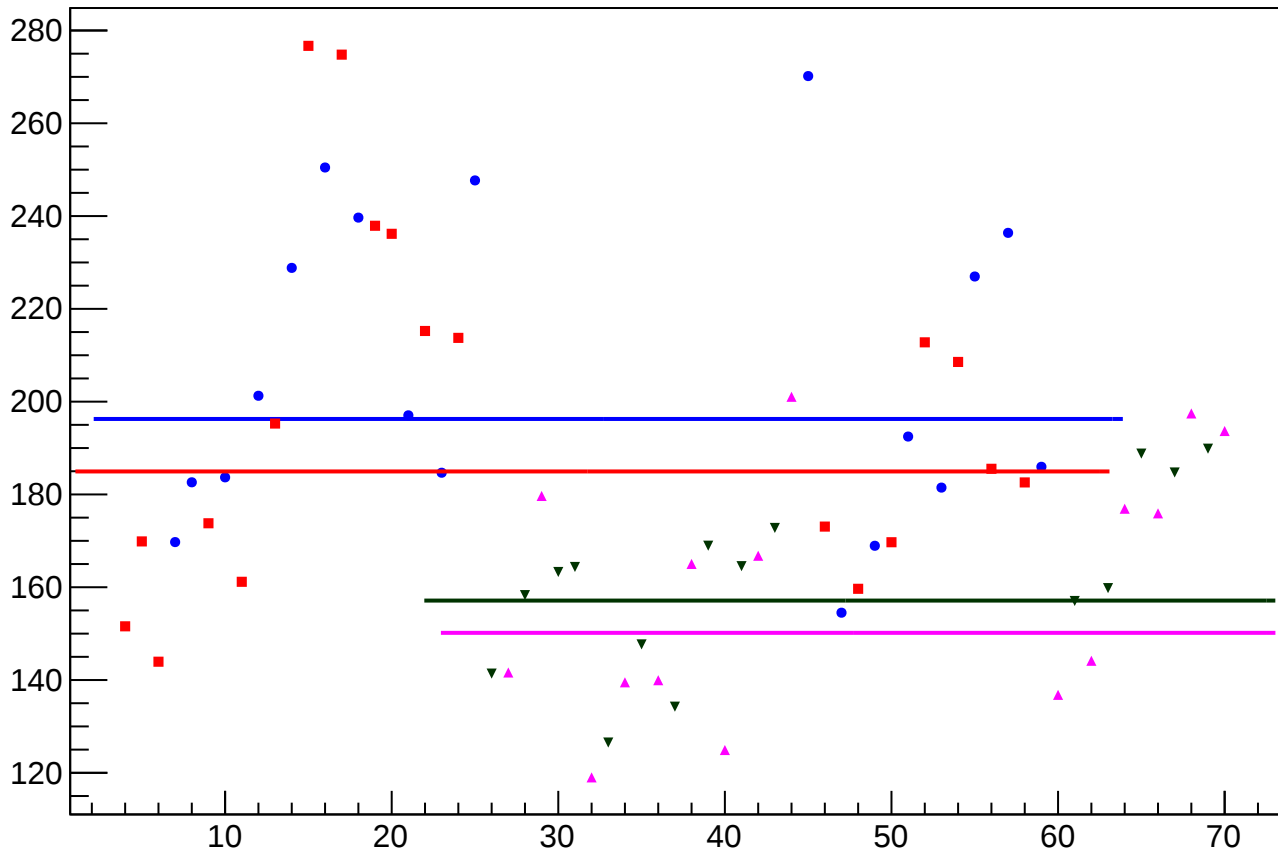
428.460 ± 41.149 χ^2/NDF : 1141.8/32

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

159.063 ± 39.158 χ^2/NDF : 4473.8/33

Left In: -508.033 ± 51.660 χ^2/NDF : 373.1/14

asym_bpm0l01WS_rms vs slug



Right In: 196.269 ± 0.042 χ^2/NDF : 466122.9/17

Left Out: 157.125 ± 0.040 χ^2/NDF : 206561.4/14

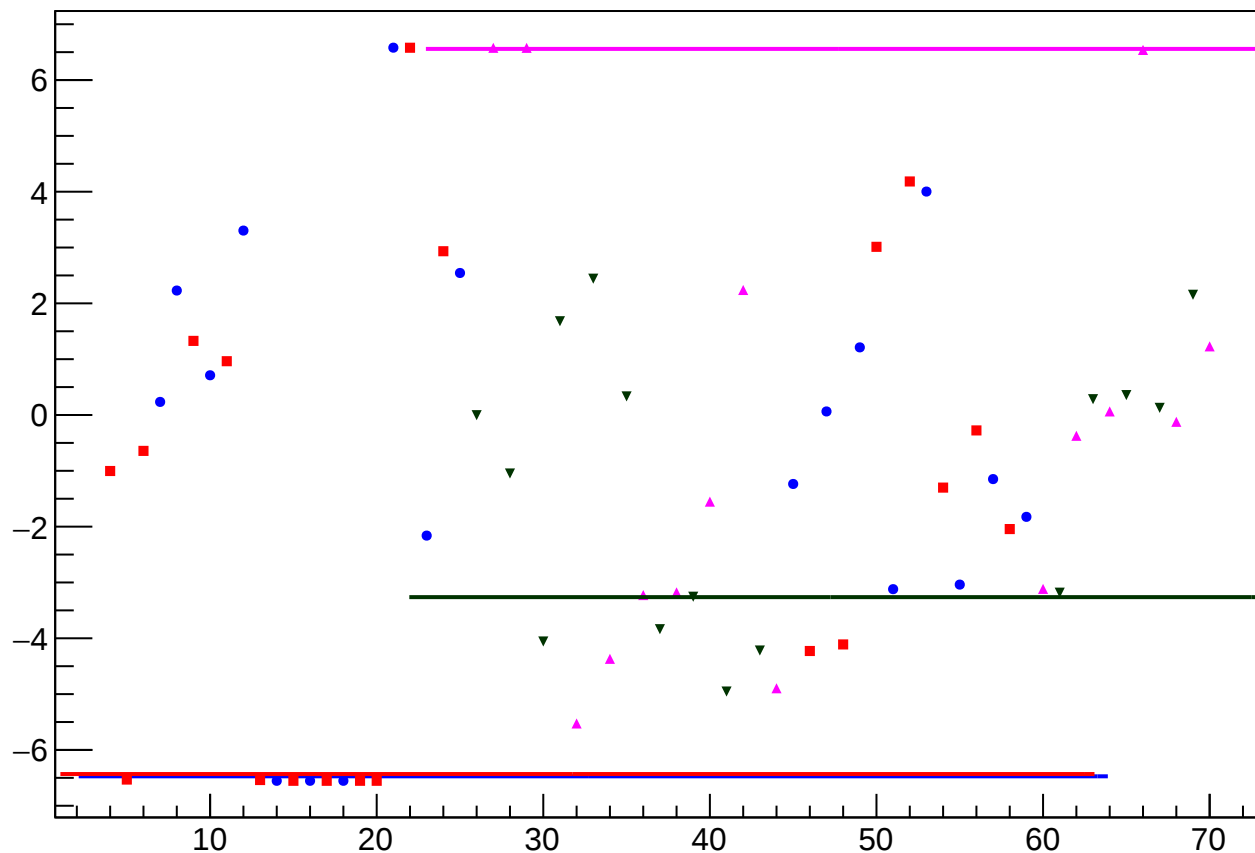
Right Out: 184.956 ± 0.042 χ^2/NDF : 580645.4/18

Left In: 150.171 ± 0.037 χ^2/NDF : 476455.9/14

175.757 ± 0.029 χ^2/NDF : 1124081.3/32

164.970 ± 0.028 χ^2/NDF : 1442901.7/33

yield_cav4bX_mean vs slug



Right In: -6.473+/-0.000 χ^2/NDF : 127847949322838.5/17

Left Out: -3.263+/-0.001 χ^2/NDF : 11234210.6/14

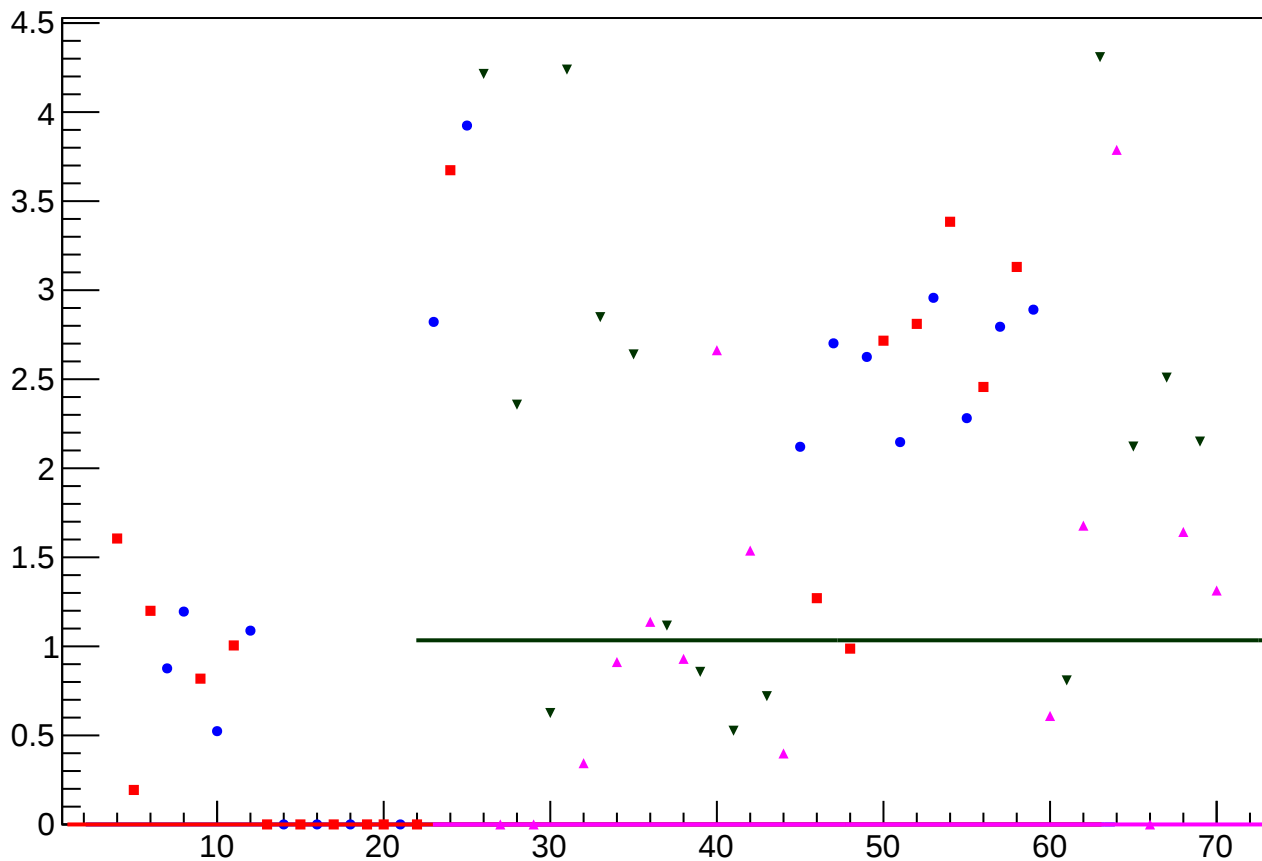
Right Out: -6.432+/-0.000 χ^2/NDF : 150837619676093.8/18

Left In: 6.558+/-0.000 χ^2/NDF : 1563981655.3/14

-6.473+/-0.000 χ^2/NDF : 127847995150025.6/3

-6.196+/-0.000 χ^2/NDF : 446402691198753.1/3

yield_cav4bX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 11913804.6/17

Left Out: 1.034+/-0.000 χ^2/NDF : 3930810.7/14

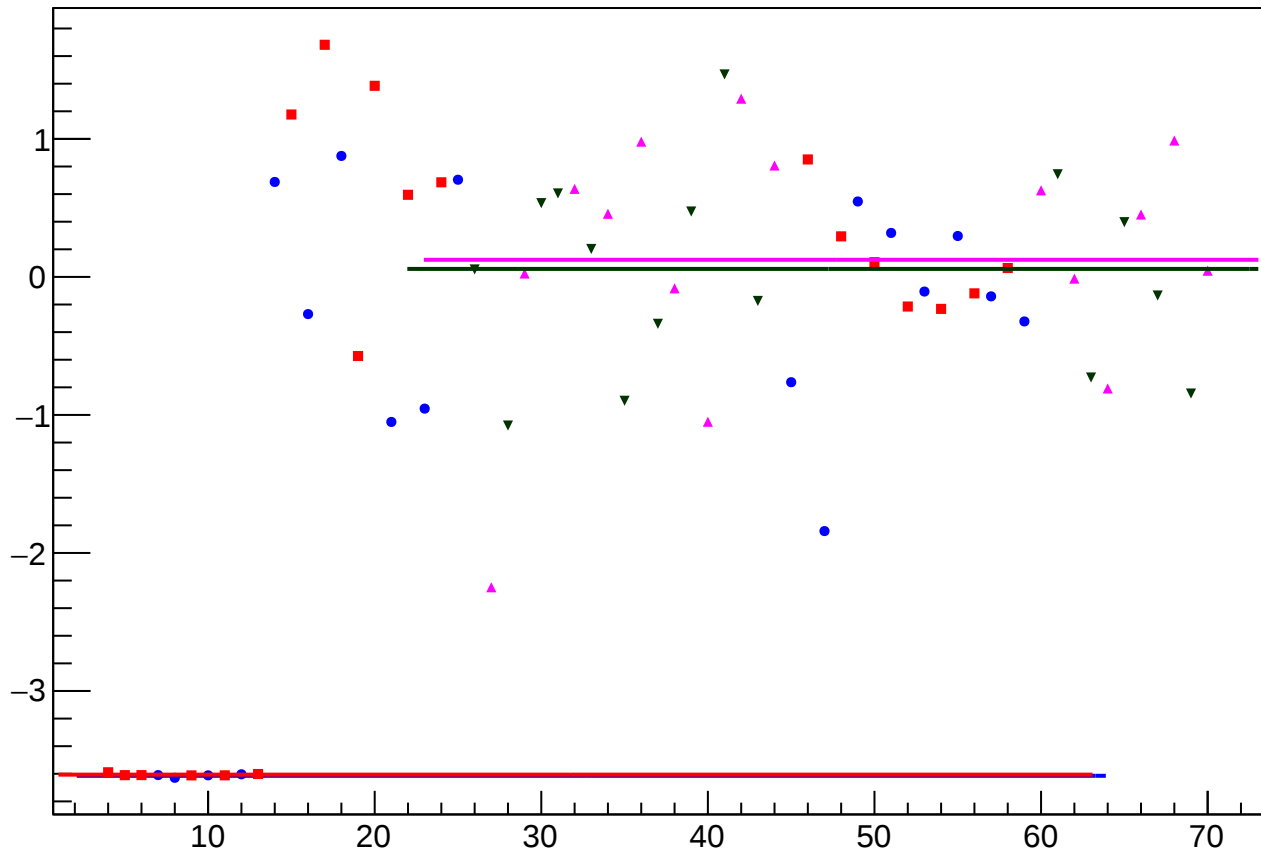
Right Out: 0.000+/-0.000 χ^2/NDF : 9626570.5/18

Left In: 0.000+/-0.000 χ^2/NDF : 8978452.1/14

0.000+/-0.000 χ^2/NDF : 23022321.0/32

0.000+/-0.000 χ^2/NDF : 18605086.0/33

yield_cav4bY_mean vs slug



Right In: -3.614+/-0.000 χ^2/NDF : 49086055221.8/17

-3.614+/-0.000 χ^2/NDF : 49281983143.0/32

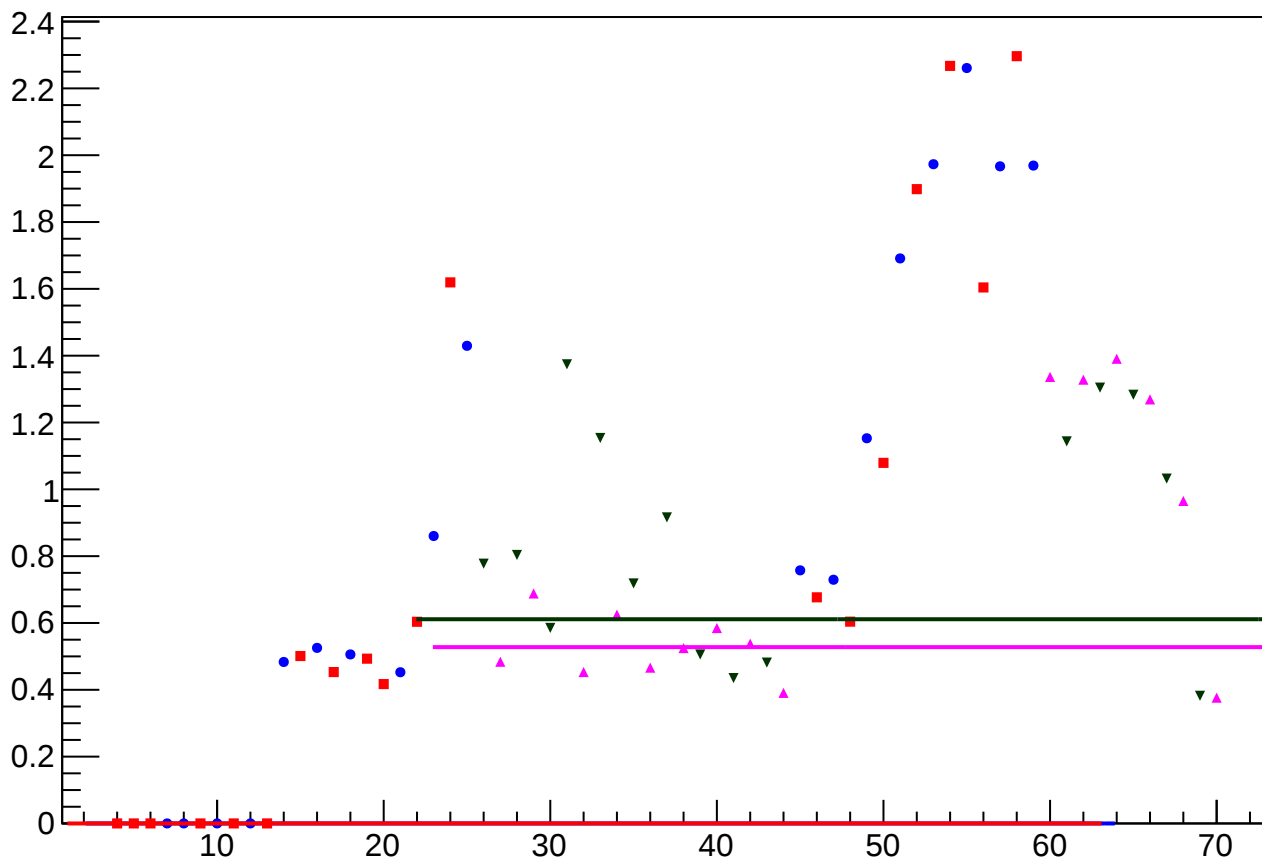
Left Out: 0.058+/-0.000 χ^2/NDF :10409444.0/14

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

-3.606+/-0.000 χ^2/NDF : 38105715442.6/33

Left In: 0.124+/-0.000 χ^2/NDF :20840053.6/14

yield_cav4bY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 13780215.8/17

Left Out: 0.611+/-0.000 χ^2/NDF :1974382.2/14

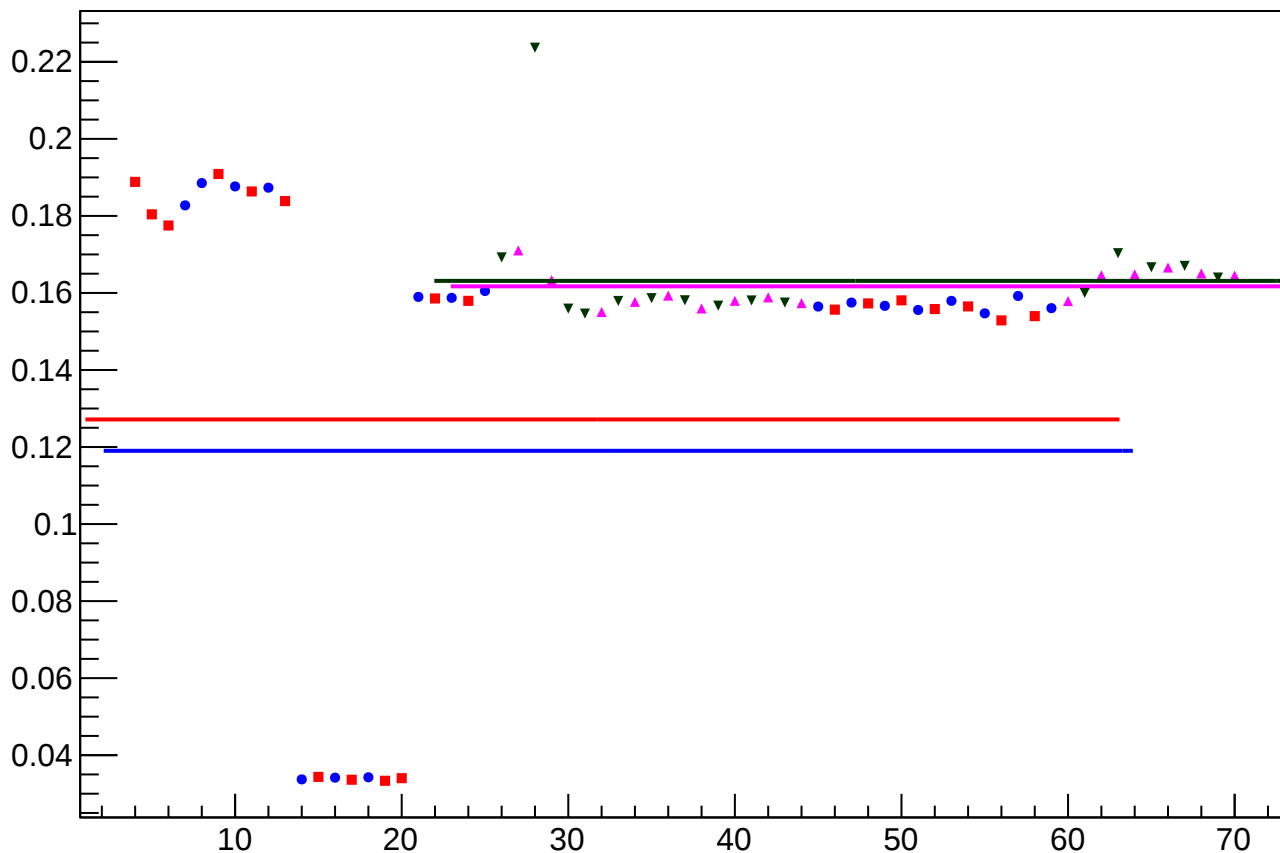
Right Out: 0.000+/-0.000 χ^2/NDF : 10531530.4/18

Left In: 0.528+/-0.000 χ^2/NDF :2015618.0/14

0.000+/-0.000 χ^2/NDF : 26030217.2/32

0.000+/-0.000 χ^2/NDF : 24239166.9/33

yield_cav4cX_mean vs slug



Right In: 0.119+/-0.000 χ^2/NDF : 4974475463.8/17

Left Out: 0.163+/-0.000 χ^2/NDF :102552918.3/14

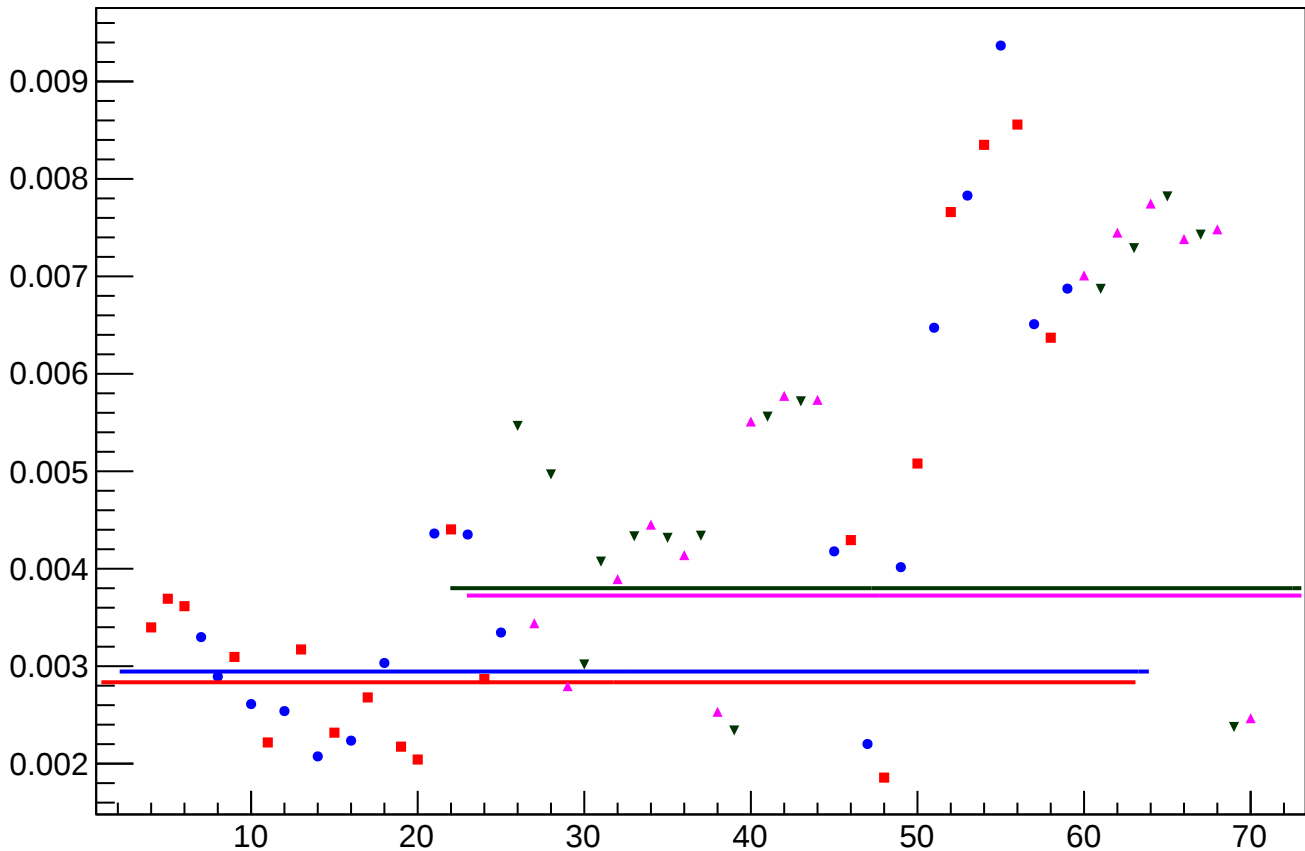
Right Out: 0.127+/-0.000 χ^2/NDF : 4426693928.8/18

Left In: 0.162+/-0.000 χ^2/NDF :13206560.6/14

0.132+/-0.000 χ^2/NDF : 5678178655.0/32

0.139+/-0.000 χ^2/NDF : 4845516641.2/33

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 :2091988.2/14

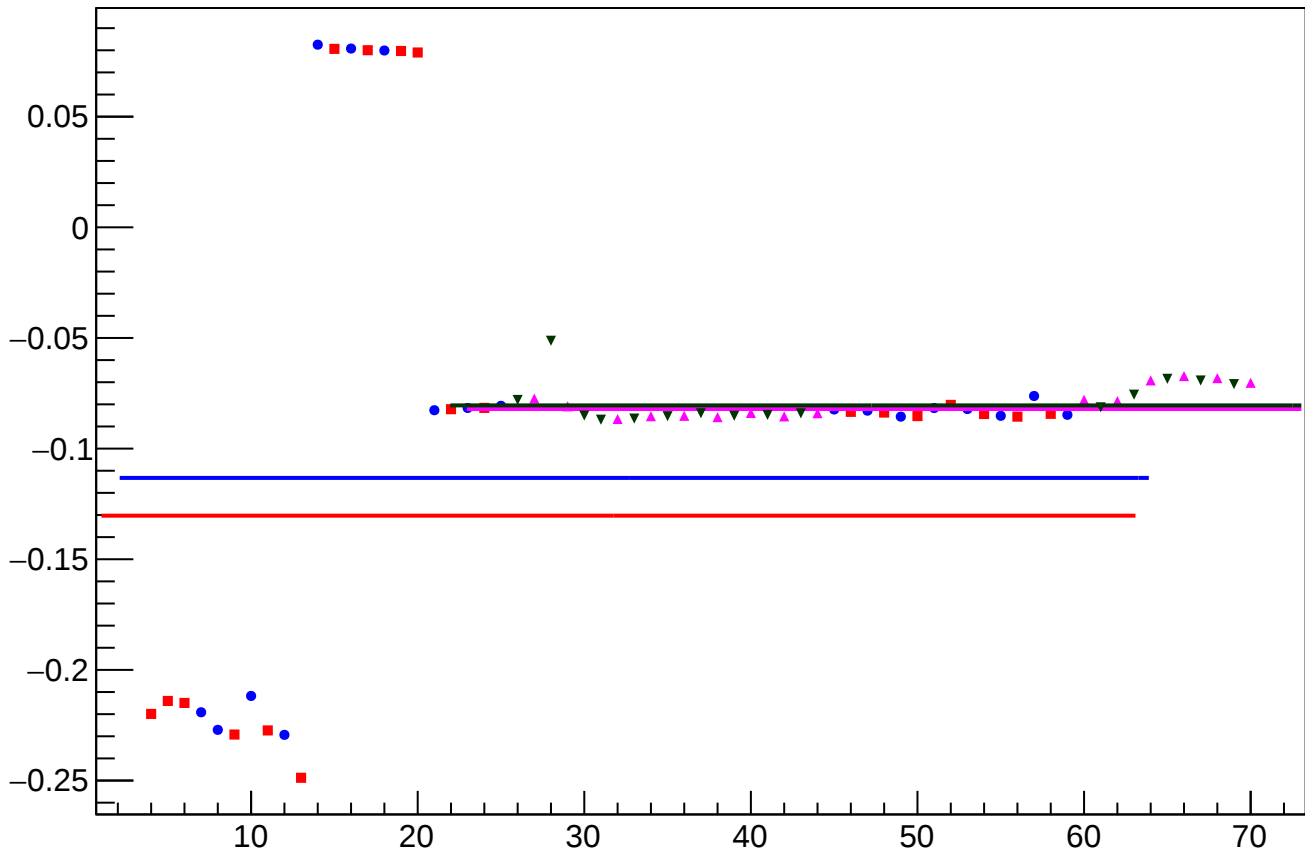
Right Out: 0.003+/-0.000 χ^2/NDF : 2697291.9/18

Left In: 0.004+/-0.000 χ^2/NDF :2254010.9/14

0.003+/-0.000 χ^2/NDF : 5529152.3/32

0.003+/-0.000 χ^2/NDF : 5489080.5/33

yield_cav4cY_mean vs slug



Right In: -0.113+/-0.000 χ^2/NDF : 9694608559.9/17

Left Out: -0.080+/-0.000 χ^2/NDF : 41217183.4/14

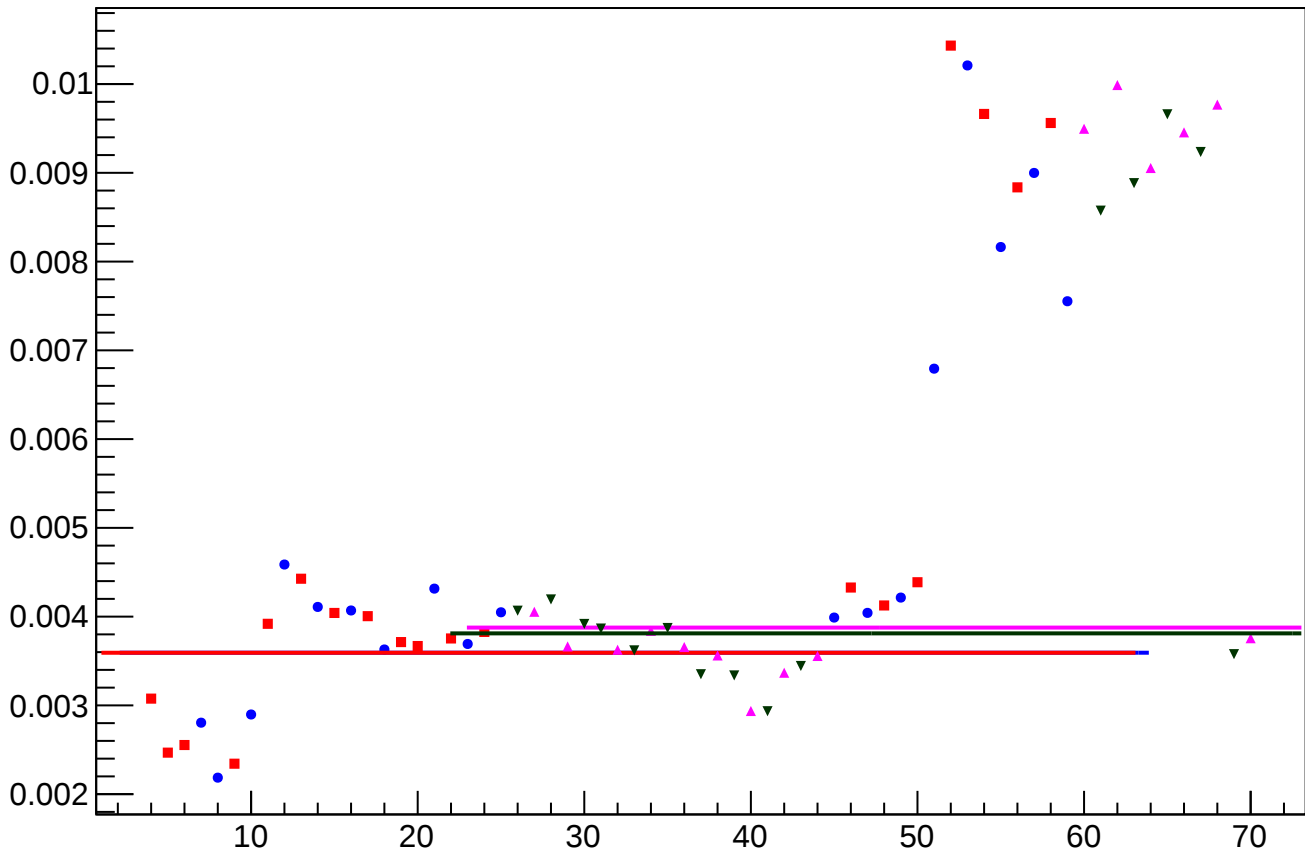
-0.101+/-0.000 χ^2/NDF : 10034373164.6/32

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

-0.109+/-0.000 χ^2/NDF : 9519593326.5/33

Left In: -0.082+/-0.000 χ^2/NDF : 12949651.9/14

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 :1317060.3/14

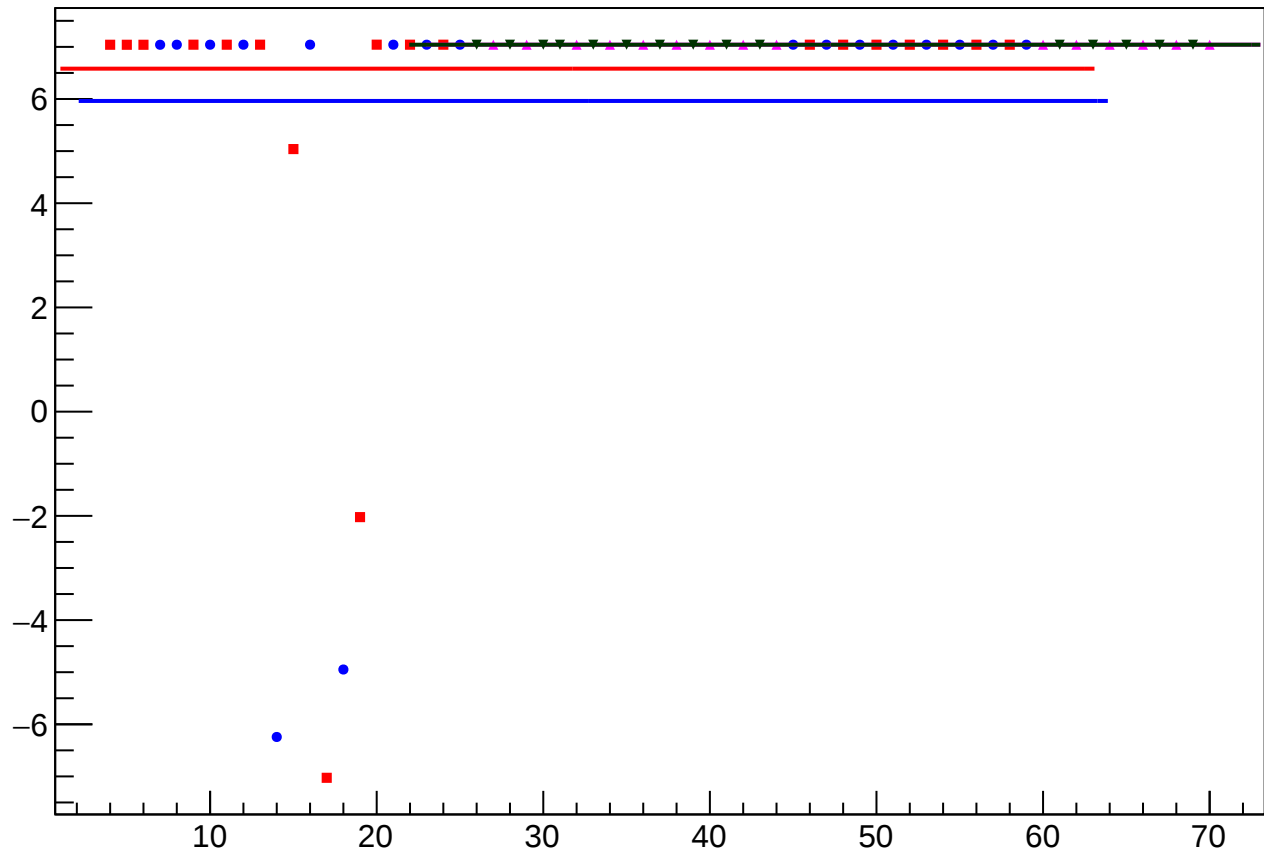
Right Out: 0.004+/-0.000 χ^2/NDF : 2225355.5/18

Left In: 0.004+/-0.000 χ^2/NDF :1679701.7/14

0.004+/-0.000 χ^2/NDF : 3979849.6/32

0.004+/-0.000 χ^2/NDF : 3949296.6/33

yield_cav4dX_mean vs slug



Right In: 5.962 $\pm$ 0.000 χ^2 /NDF: 4616105002600912.0/17

Left Out: 7.042 $\pm$ 0.000 χ^2 /NDF: 8133143.9/14

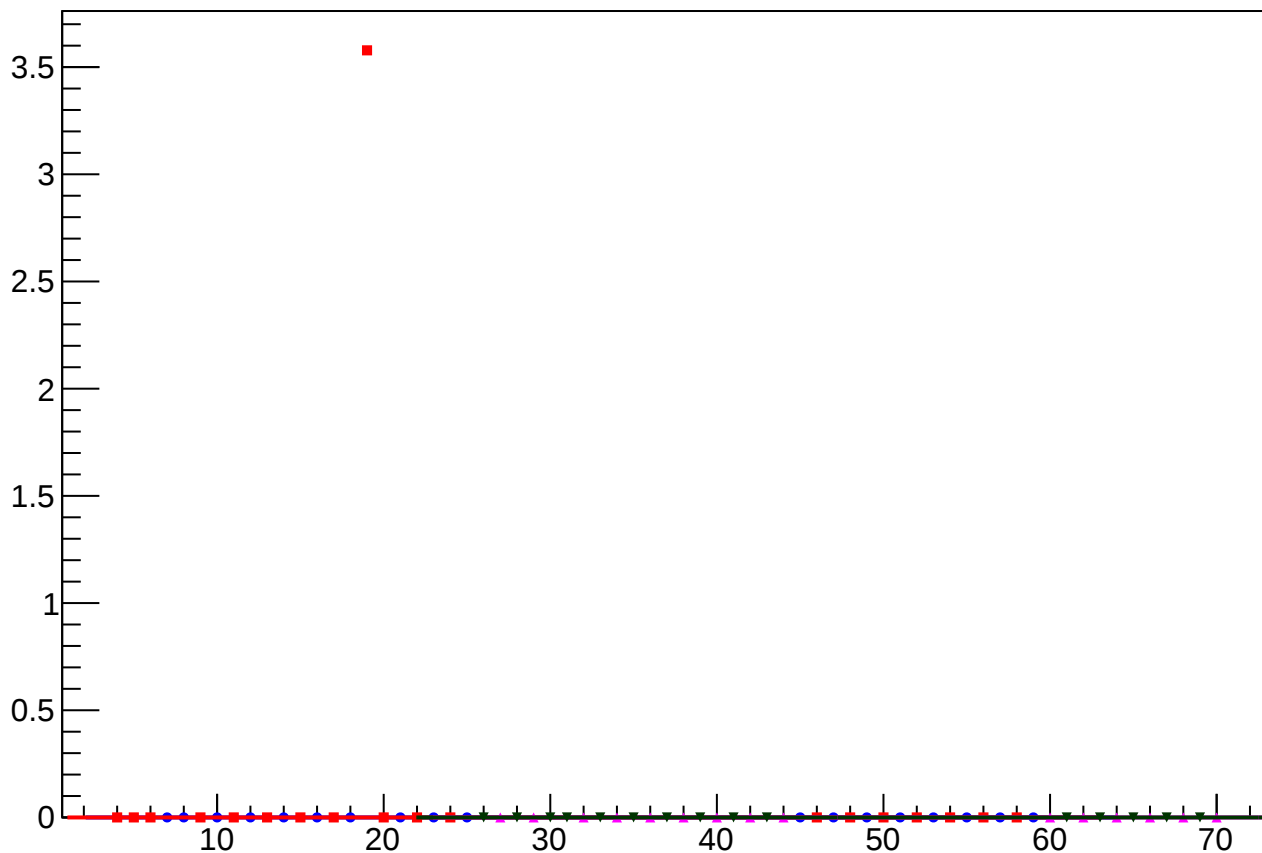
6.451 $\pm$ 0.000 χ^2 /NDF: 4804531965520724.0/3

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

6.822 $\pm$ 0.000 χ^2 /NDF: 1890589431659281.2/3

Left In: 7.042 $\pm$ 0.000 χ^2 /NDF: 8687095.6/14

yield_cav4dX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 4282.3/17

Left Out: 0.000+/-0.000 χ^2/NDF :1756.0/14

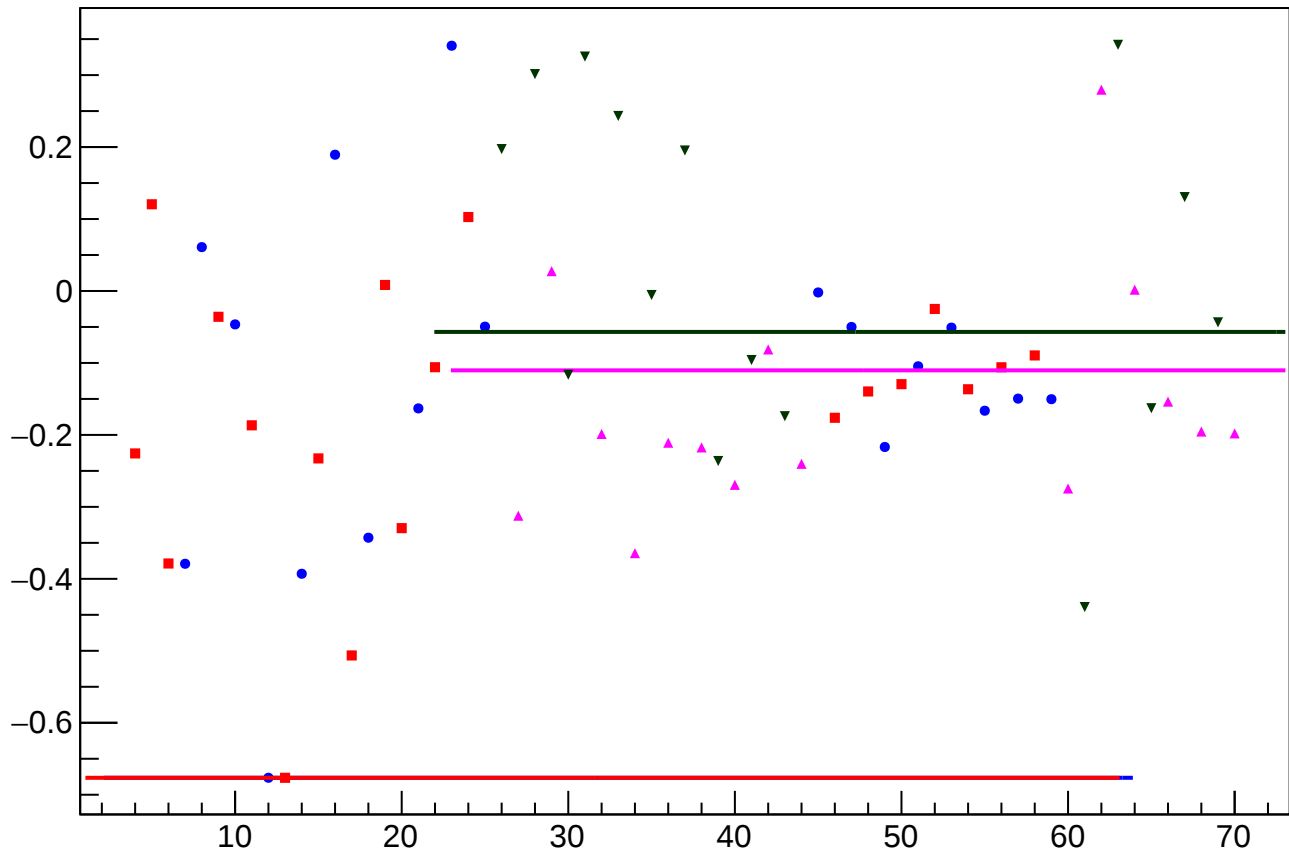
Right Out: 0.000+/-0.000 χ^2/NDF : 697661.6/18

Left In: 0.000+/-0.000 χ^2/NDF :2177.3/14

0.000+/-0.000 χ^2/NDF : 7820.6/32

0.000+/-0.000 χ^2/NDF : 702982.7/33

yield_cav4dY_mean vs slug



Right In: -0.676+/-0.000 χ^2/NDF : 266364367.2/17

Left Out: -0.057+/-0.000 χ^2/NDF : 28453535.3/14

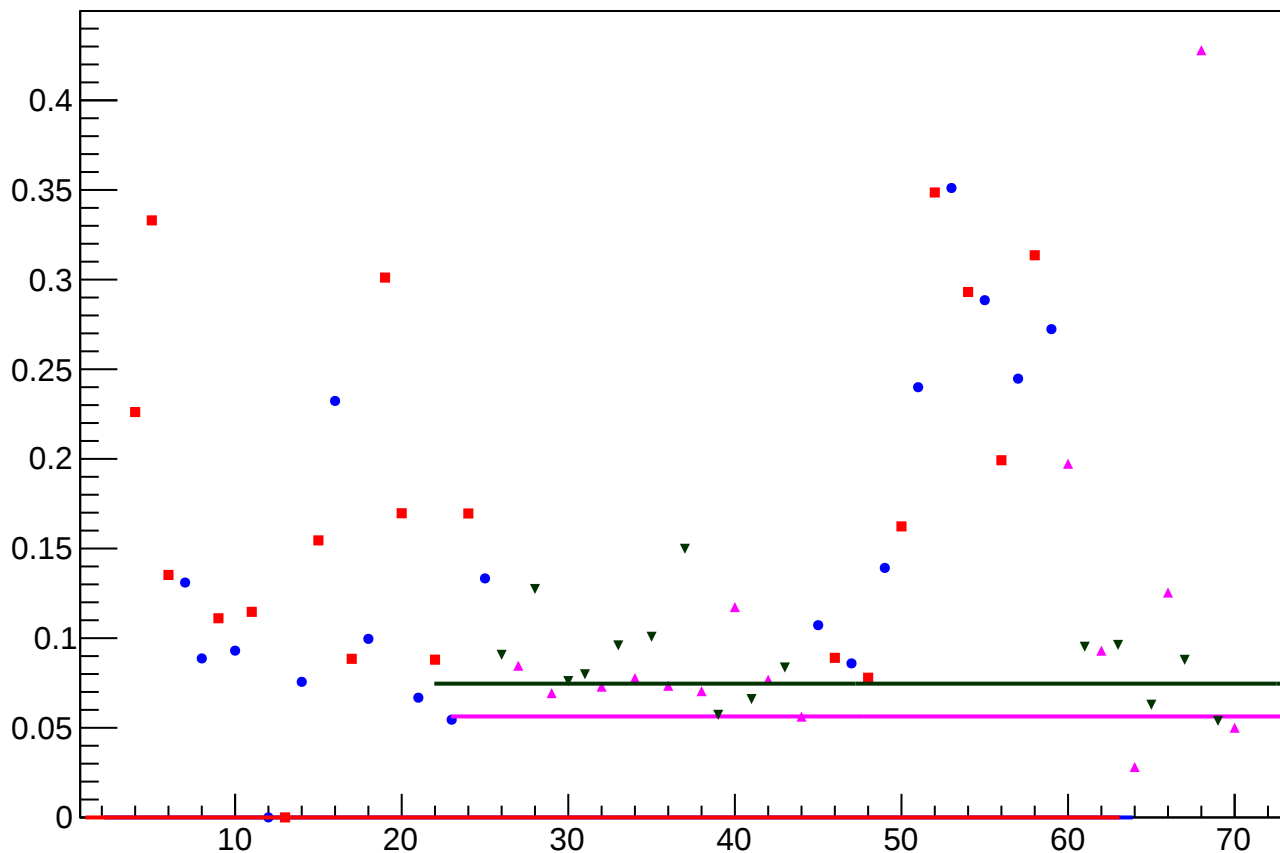
-0.676+/-0.000 χ^2/NDF : 588017853.7/32

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

-0.676+/-0.000 χ^2/NDF : 591510328.2/33

Left In: -0.110+/-0.000 χ^2/NDF : 25620814.8/14

yield_cav4dY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 16187995.6/17

Left Out: 0.075+/-0.000 χ^2/NDF : 662598.0/14

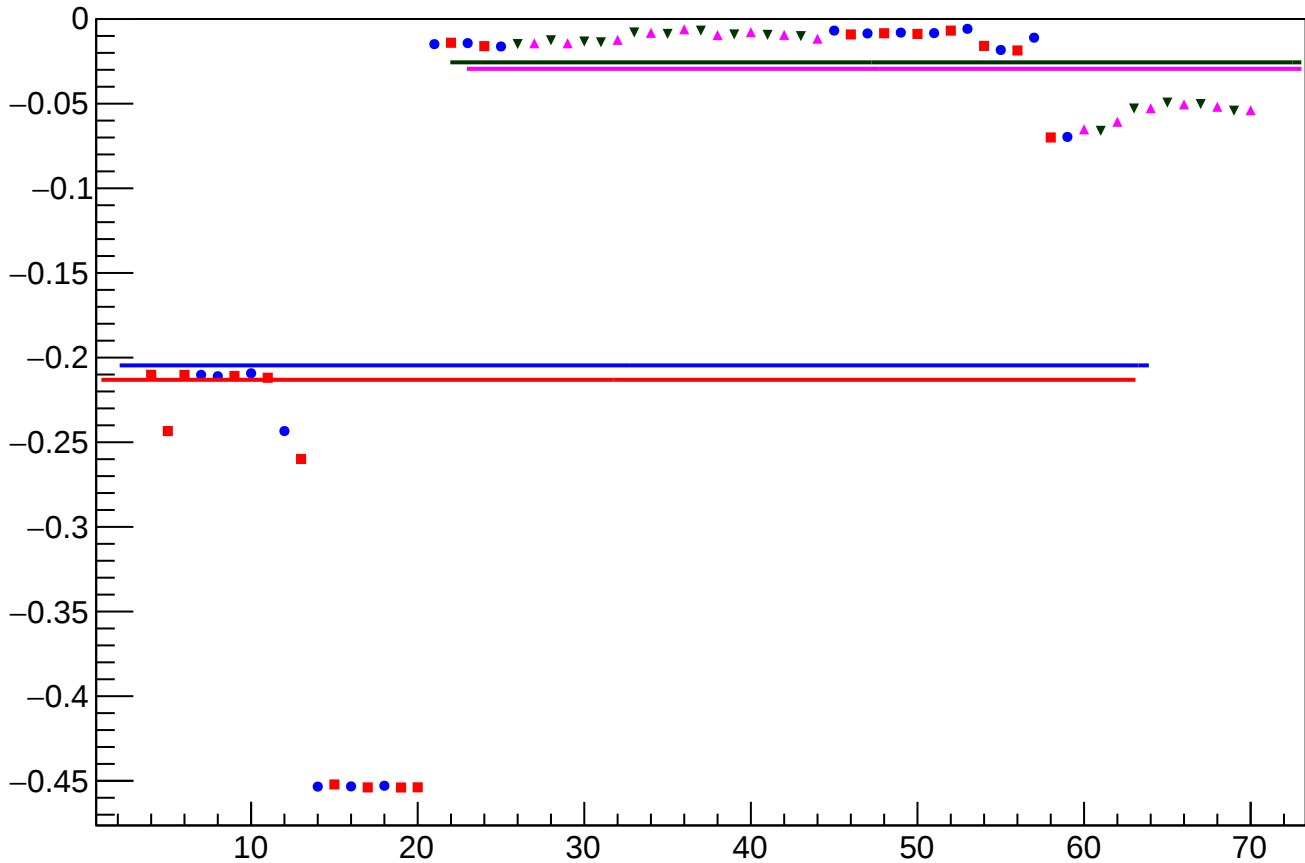
Right Out: 0.000+/-0.000 χ^2/NDF : 13760955.7/18

Left In: 0.056+/-0.000 χ^2/NDF : 2790501.5/14

0.000+/-0.000 χ^2/NDF : 25354972.9/32

0.000+/-0.000 χ^2/NDF : 25734249.3/33

yield_bpm4aX_mean vs slug



Right In: -0.205+/-0.000 χ^2/NDF : 5539981697.6/17

Left Out: -0.026+/-0.000 χ^2/NDF : 39052395.7/14

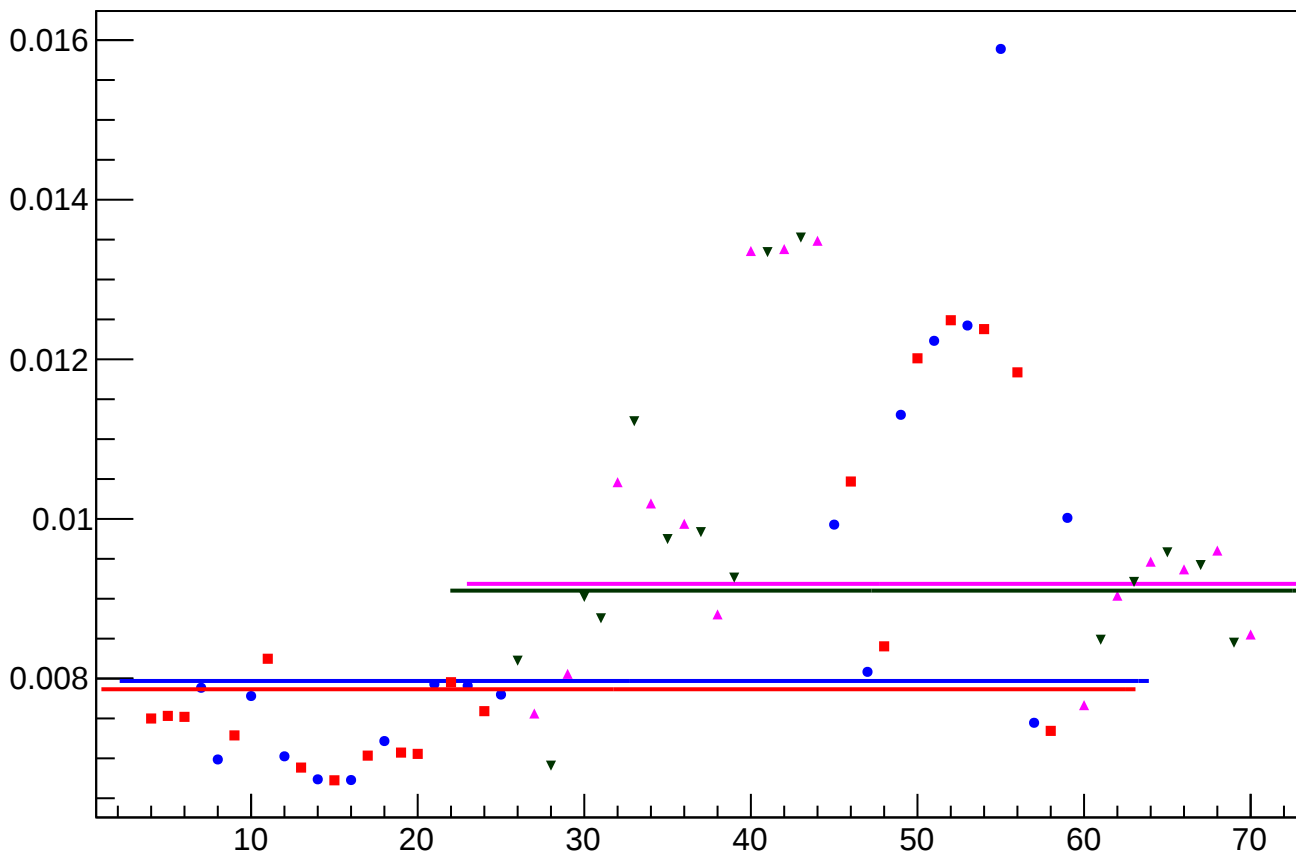
-0.142+/-0.000 χ^2/NDF : 7453150489.9/32

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

-0.141+/-0.000 χ^2/NDF : 6225105416.5/33

Left In: -0.029+/-0.000 χ^2/NDF : 49360686.9/14

yield_bpm4aX_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 943742.9/17

Left Out: 0.009+/-0.000 χ^2/NDF : 424520.5/14

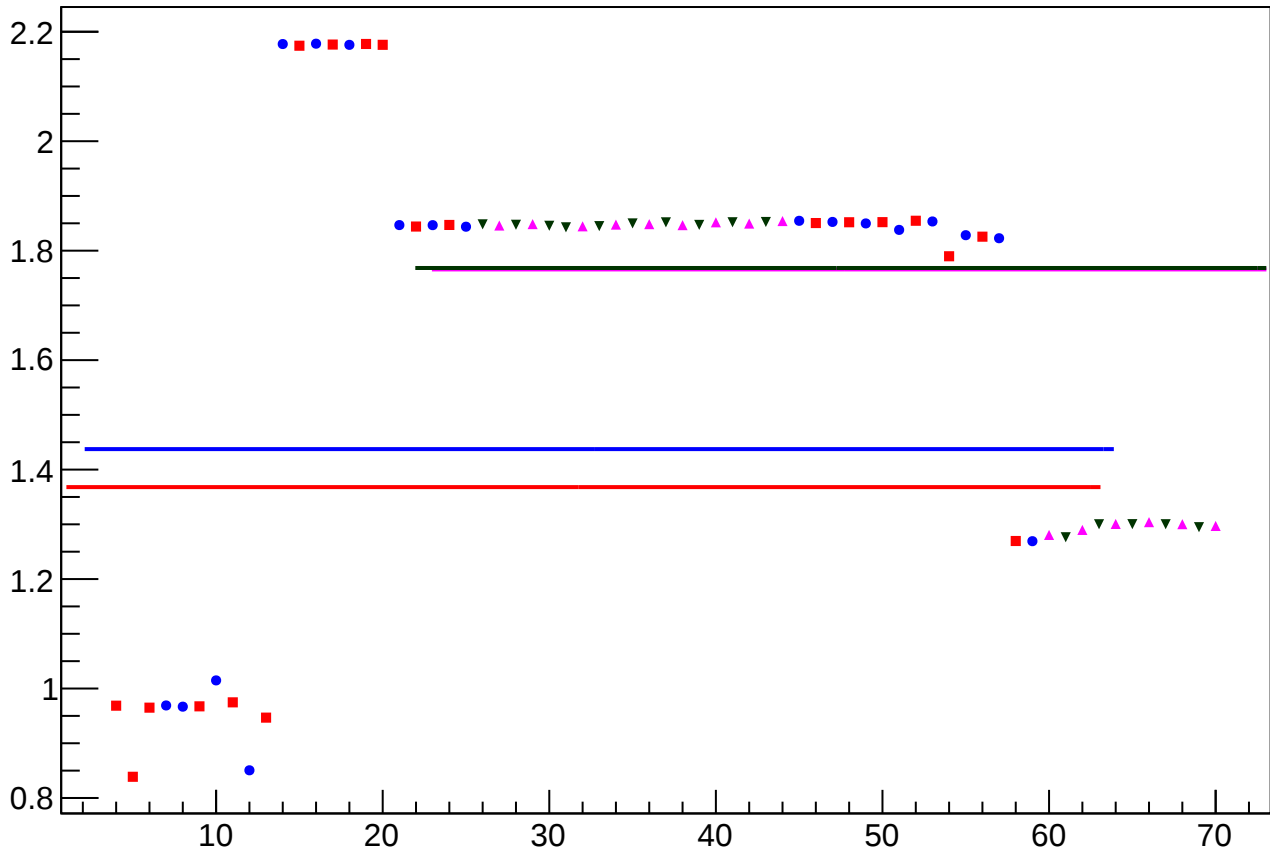
Right Out: 0.008+/-0.000 χ^2/NDF : 696189.4/18

Left In: 0.009+/-0.000 χ^2/NDF : 506443.2/14

0.008+/-0.000 χ^2/NDF : 1518170.1/32

0.008+/-0.000 χ^2/NDF : 1412933.5/33

yield_bpm4aY_mean vs slug



Right In: 1.437+/-0.000 χ^2/NDF : 14236590294.3/17

Left Out: 1.768+/-0.000 χ^2/NDF :1231808537.9/14

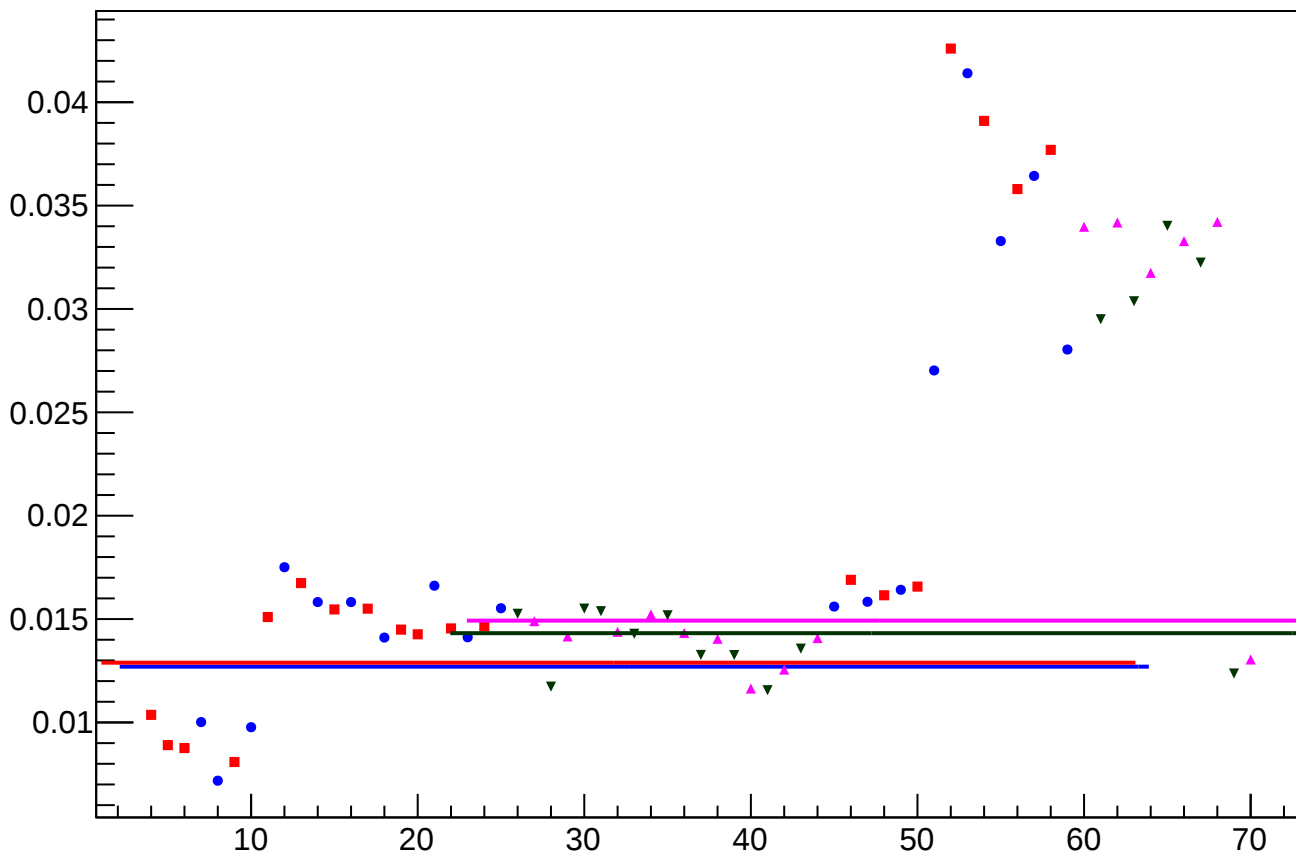
1.561+/-0.000 χ^2/NDF : 17696068652.4/32

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

1.531+/-0.000 χ^2/NDF : 17006001637.4/33

Left In: 1.766+/-0.000 χ^2/NDF :1293951965.5/14

yield_bpm4aY_rms vs slug



Right In: 0.013+/-0.000 χ^2/NDF : 3534875.5/17

Left Out: 0.014+/-0.000 χ^2/NDF :1184777.9/14

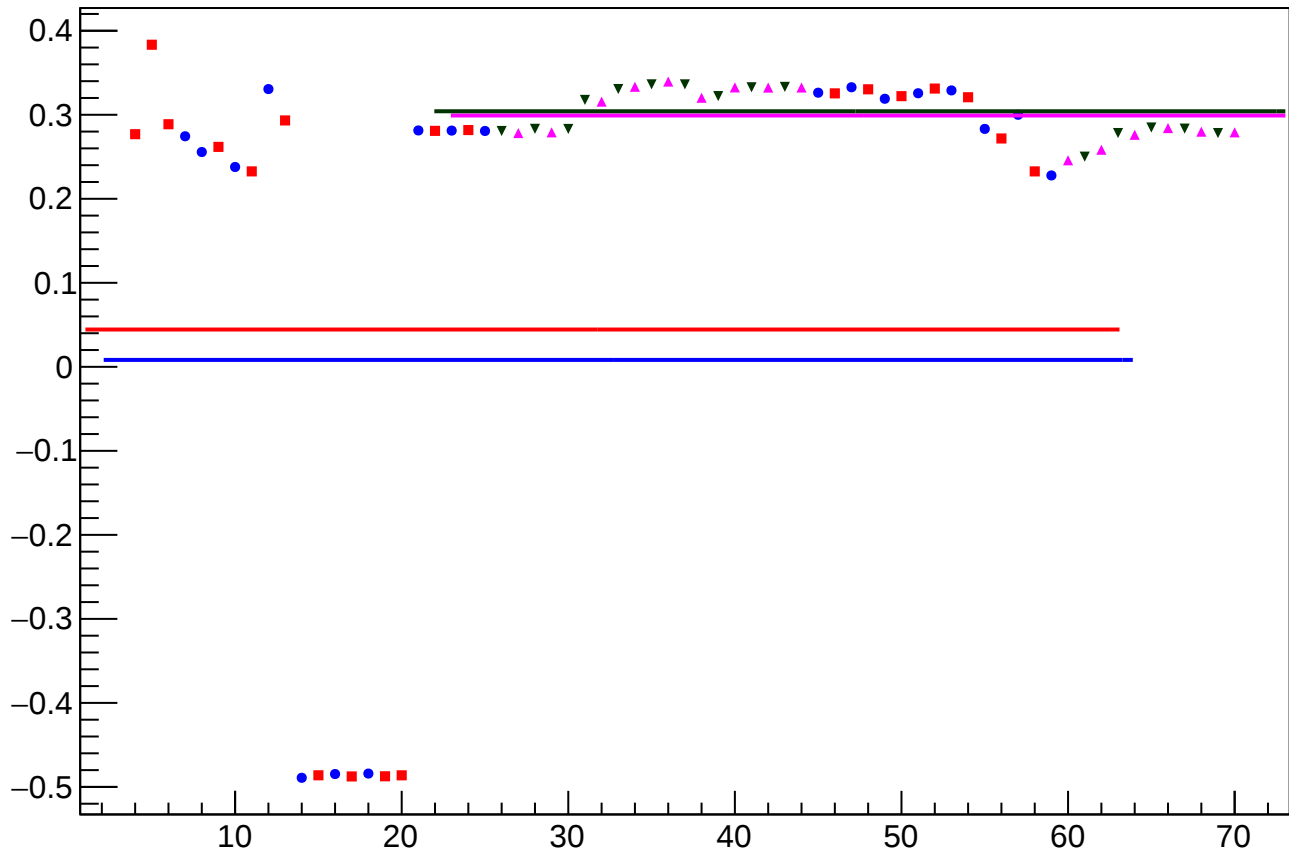
Right Out: 0.013+/-0.000 χ^2/NDF : 2814614.5/18

Left In: 0.015+/-0.000 χ^2/NDF :1470236.2/14

0.013+/-0.000 χ^2/NDF : 4826366.8/32

0.014+/-0.000 χ^2/NDF : 4448121.1/33

yield_bpm4eX_mean vs slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 3589016563.4/17

Left Out: 0.304 $\pm$ 0.000 χ^2 /NDF:9801620.3/14

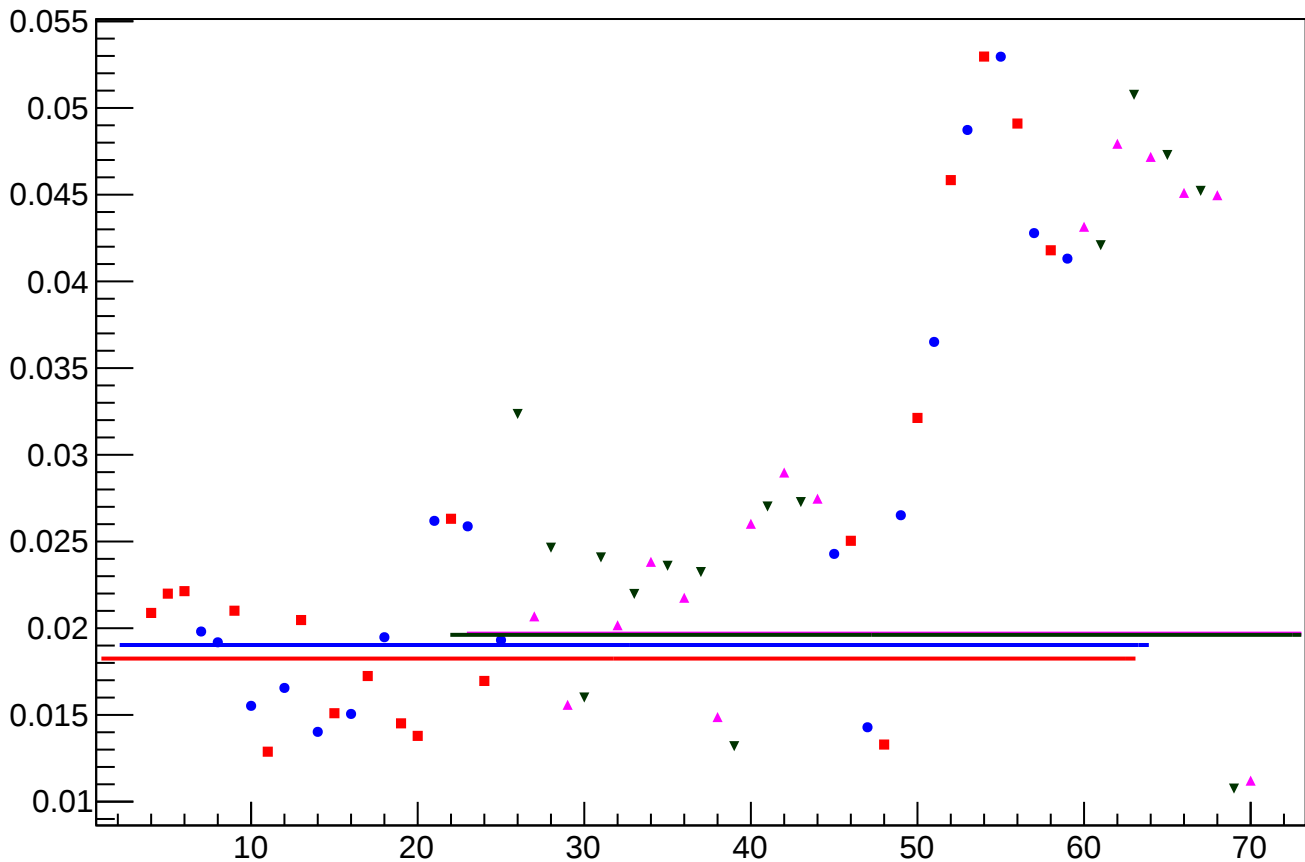
0.120 $\pm$ 0.000 χ^2 /NDF: 4454677813.7/32

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

0.150 $\pm$ 0.000 χ^2 /NDF: 3839757604.2/33

Left In: 0.299 $\pm$ 0.000 χ^2 /NDF:11156068.8/14

yield_bpm4eX_rms vs slug



Right In: 0.019+/-0.000 χ^2/NDF : 2594784.8/17

Left Out: 0.020+/-0.000 χ^2/NDF : 2562635.4/14

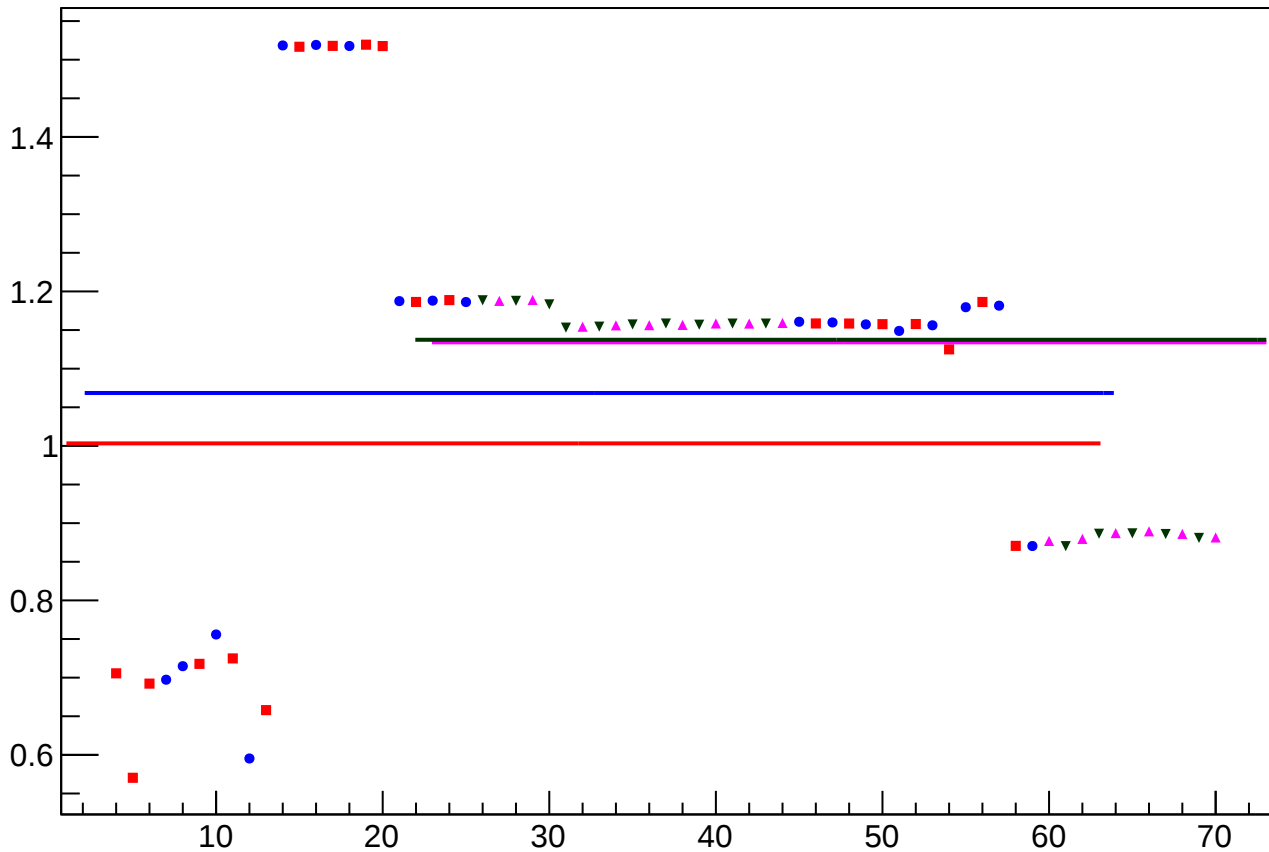
Right Out: 0.018+/-0.000 χ^2/NDF : 2485378.5/18

Left In: 0.020+/-0.000 χ^2/NDF : 2605308.0/14

0.019+/-0.000 χ^2/NDF : 5164127.9/32

0.019+/-0.000 χ^2/NDF : 5133535.3/33

yield_bpm4eY_mean vs slug



Right In: 1.069 $\pm$ 0.000 χ^2 /NDF: 10548206682.3/17

Left Out: 1.137 $\pm$ 0.000 χ^2 /NDF: 546694044.0/14

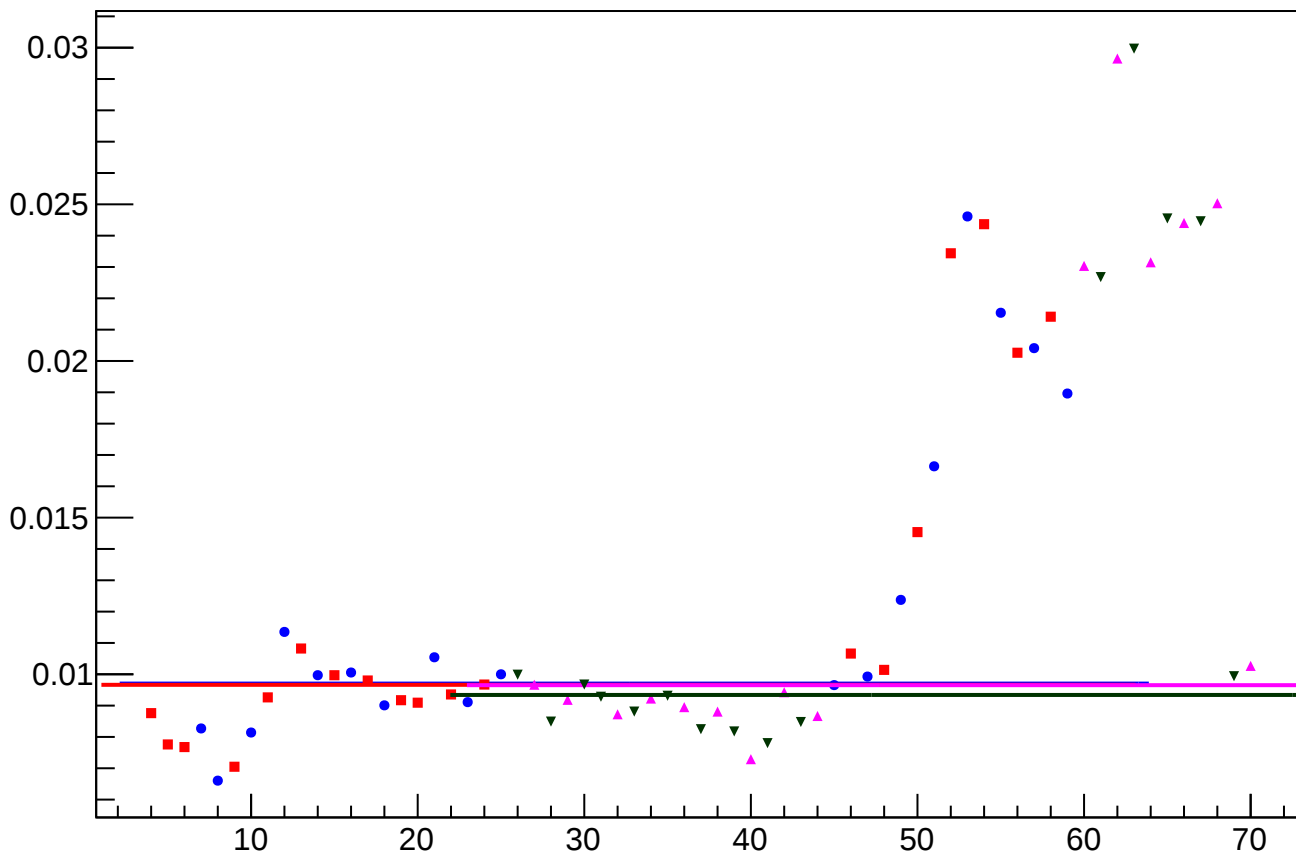
1.098 $\pm$ 0.000 χ^2 /NDF: 11299724397.3/32

Right Out: 1.003 $\pm$ 0.000 χ^2 /NDF: 10291656361.5/18

1.063 $\pm$ 0.000 χ^2 /NDF: 11628280093.3/33

Left In: 1.134 $\pm$ 0.000 χ^2 /NDF: 617218686.9/14

yield_bpm4eY_rms vs slug



Right In: 0.010+/-0.000 χ^2/NDF : 1905622.6/17

Left Out: 0.009+/-0.000 χ^2/NDF :1478050.7/14

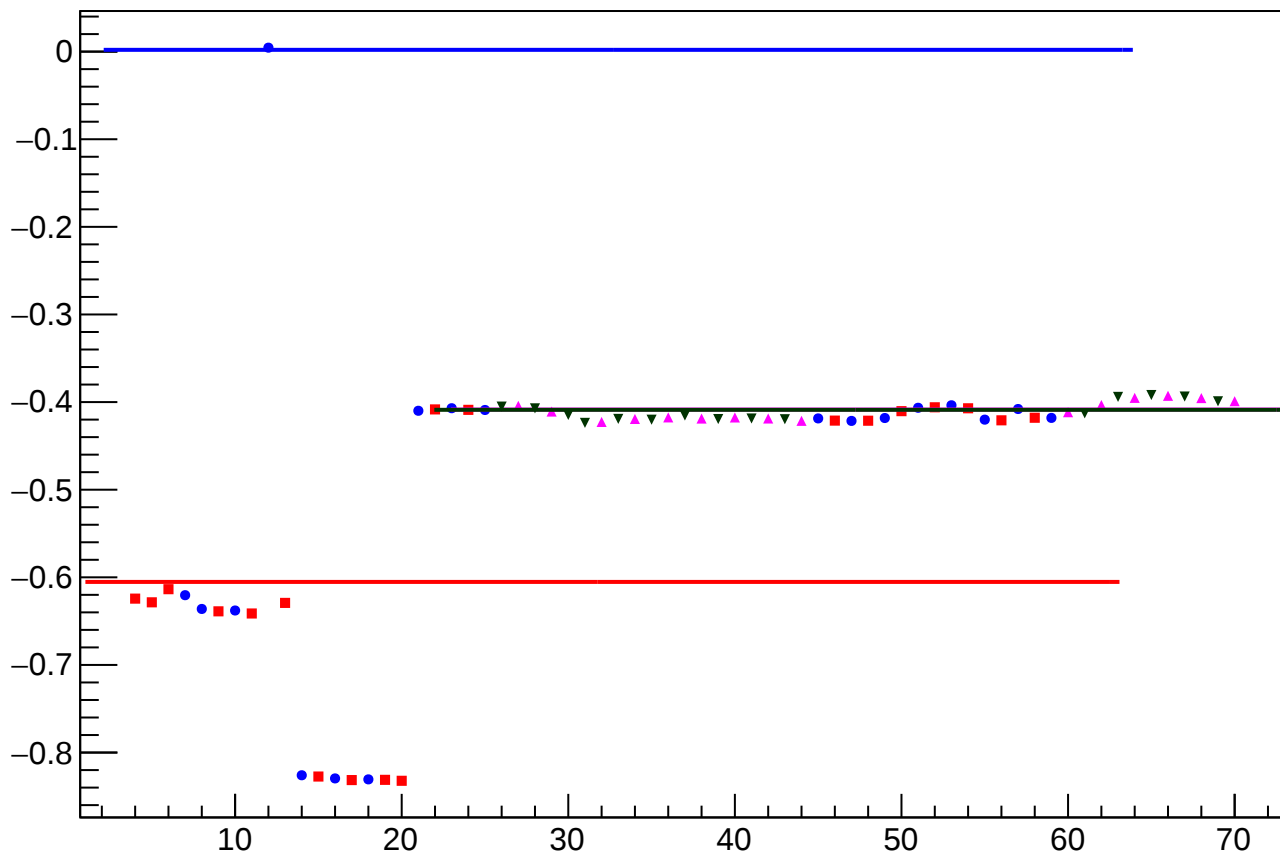
Right Out: 0.010+/-0.000 χ^2/NDF : 1597012.3/18

Left In: 0.010+/-0.000 χ^2/NDF :1784163.3/14

0.010+/-0.000 χ^2/NDF : 3395032.1/32

0.010+/-0.000 χ^2/NDF : 3381186.4/33

yield_bpm4acX_mean vs slug



Right In: 0.002+/-0.000 χ^2/NDF : 59749781854.5/17

Left Out: -0.409+/-0.000 χ^2/NDF : 9217330.8/14

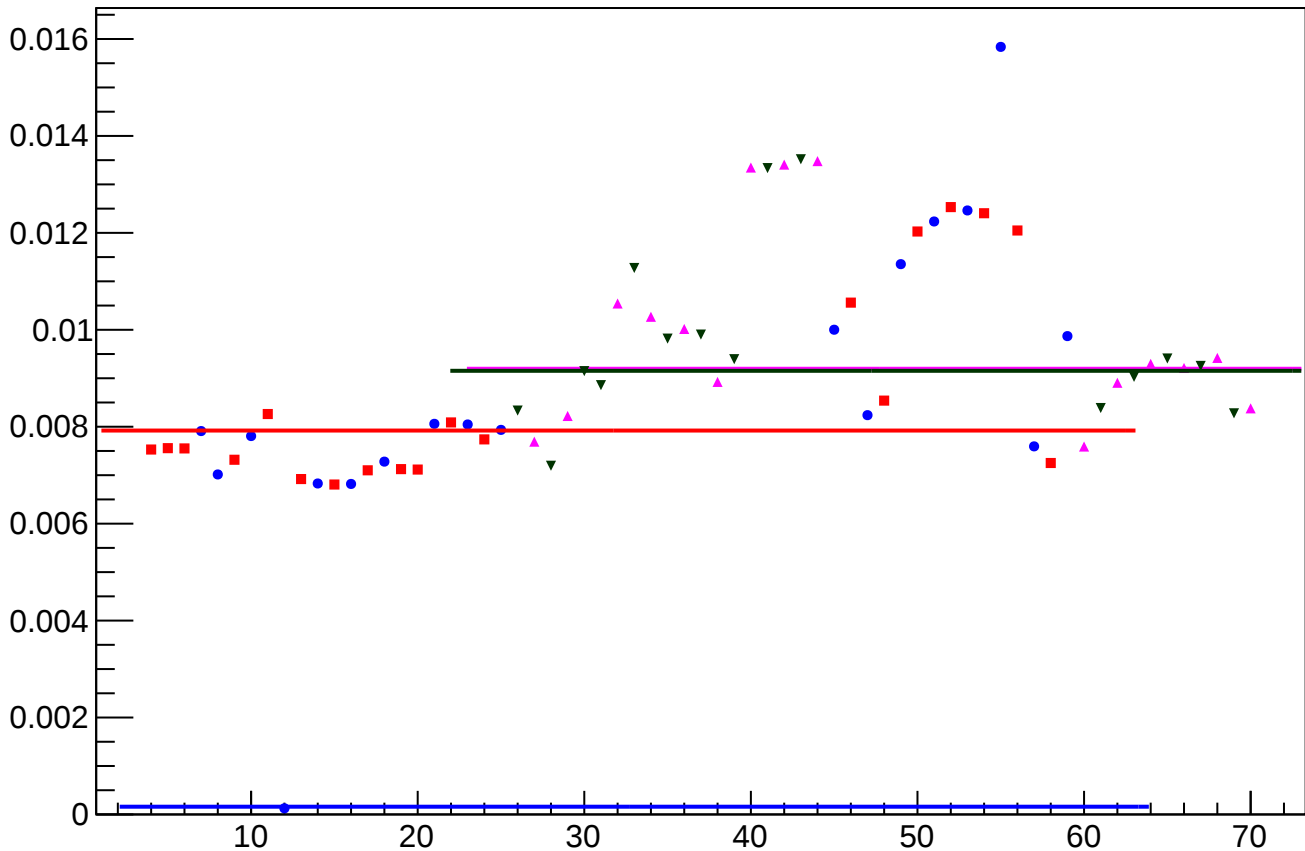
Right Out: -0.605+/-0.000 χ^2/NDF : 3819629229.5/18

Left In: -0.409+/-0.000 χ^2/NDF : 9021864.1/14

0.001+/-0.000 χ^2/NDF : 74795942219.1/32

-0.527+/-0.000 χ^2/NDF : 6148004986.2/33

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 : 387397.5/14

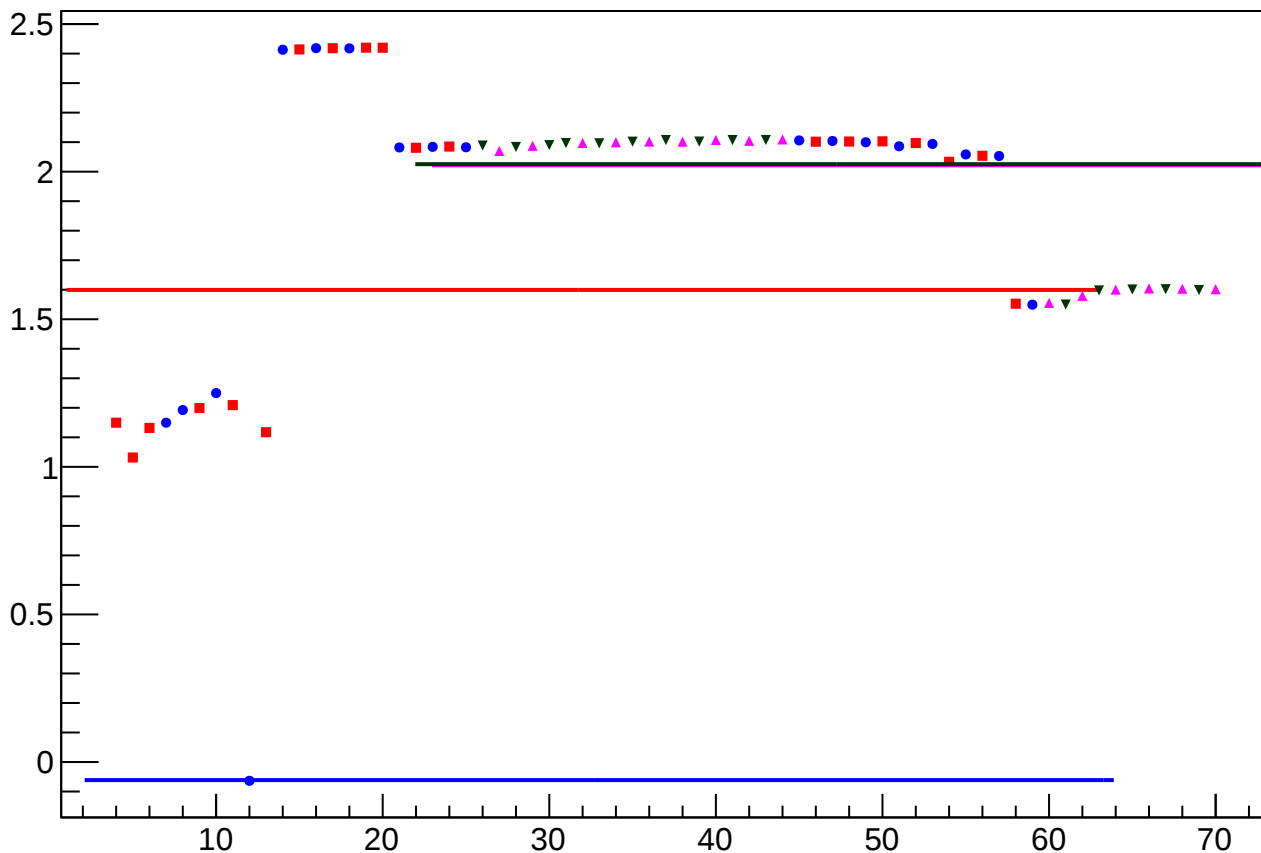
Right Out: 0.008 ± 0.000 χ^2/NDF : 697414.3/18

Left In: 0.009 ± 0.000 χ^2/NDF : 495235.3/14

0.000 ± 0.000 χ^2/NDF : 35061718.7/32

0.008 ± 0.000 χ^2/NDF : 1387389.2/33

yield_bpm4acY_mean vs slug



Right In: -0.061+/-0.000 χ^2/NDF : 171003968524.2/17

Left Out: 2.025+/-0.000 χ^2/NDF : 990567045.2/14

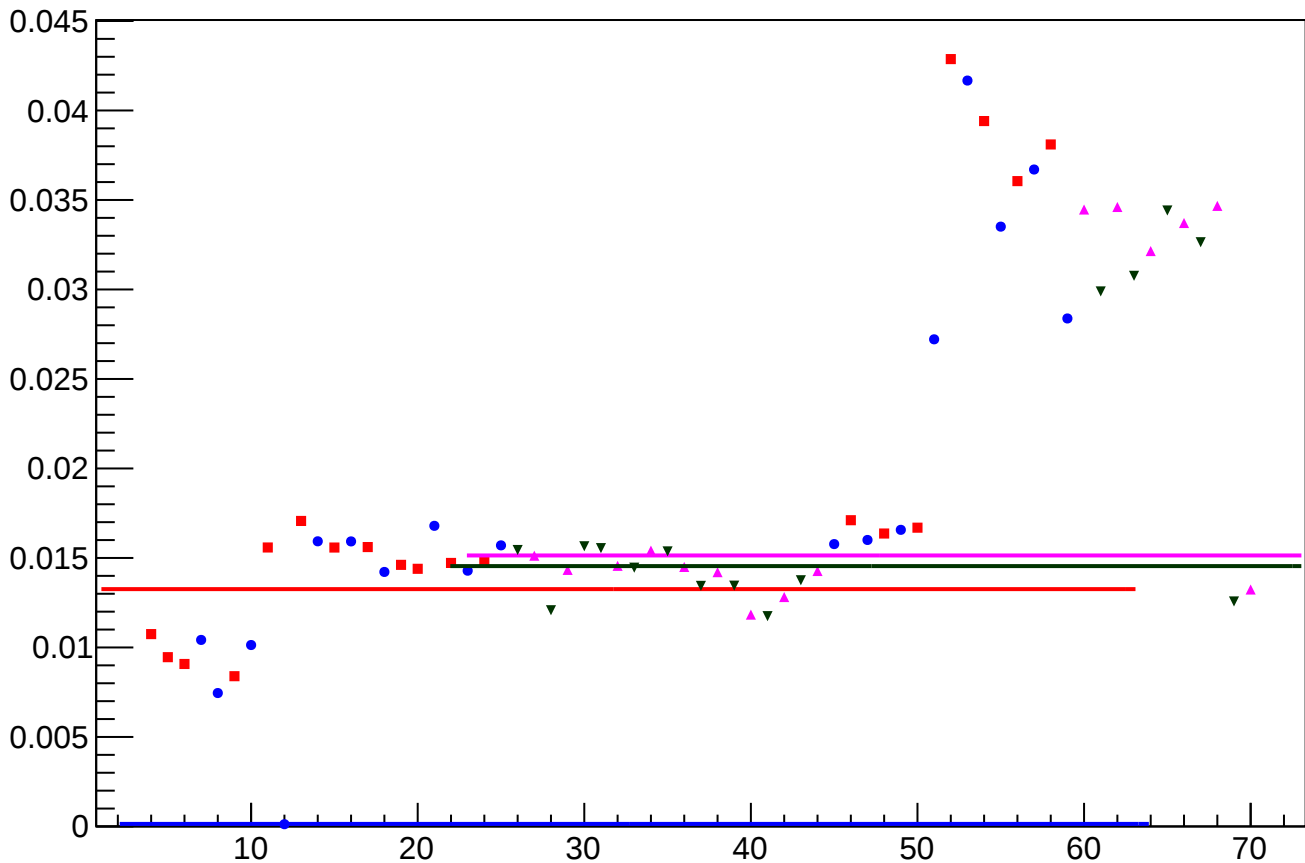
Right Out: 1.599+/-0.000 χ^2/NDF : 13096029057.2/18

Left In: 2.022+/-0.000 χ^2/NDF : 1034204611.6/14

-0.060+/-0.000 χ^2/NDF : 308779186254.0/32

1.774+/-0.000 χ^2/NDF : 17516075087.4/33

yield_bpm4acY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 19632783.5/17

Left Out: 0.015+/-0.000 χ^2/NDF :1169876.8/14

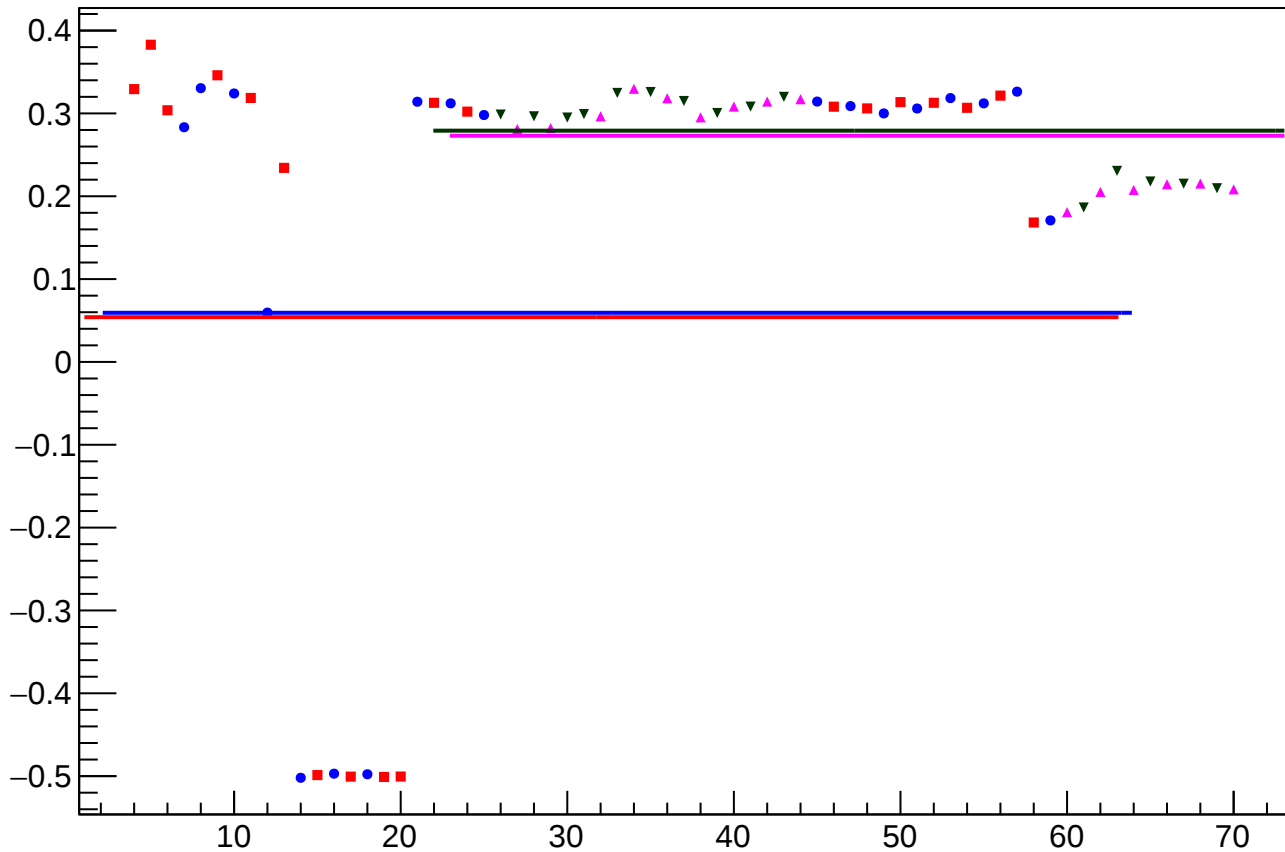
Right Out: 0.013+/-0.000 χ^2/NDF : 2690130.8/18

Left In: 0.015+/-0.000 χ^2/NDF :1465261.9/14

0.000+/-0.000 χ^2/NDF : 33835992.3/32

0.014+/-0.000 χ^2/NDF : 4289754.8/33

yield_bpm4ecX_mean vs slug



Right In: 0.059+/-0.000 χ^2/NDF : 3888801914.2/17

Left Out: 0.279+/-0.000 χ^2/NDF : 30471823.5/14

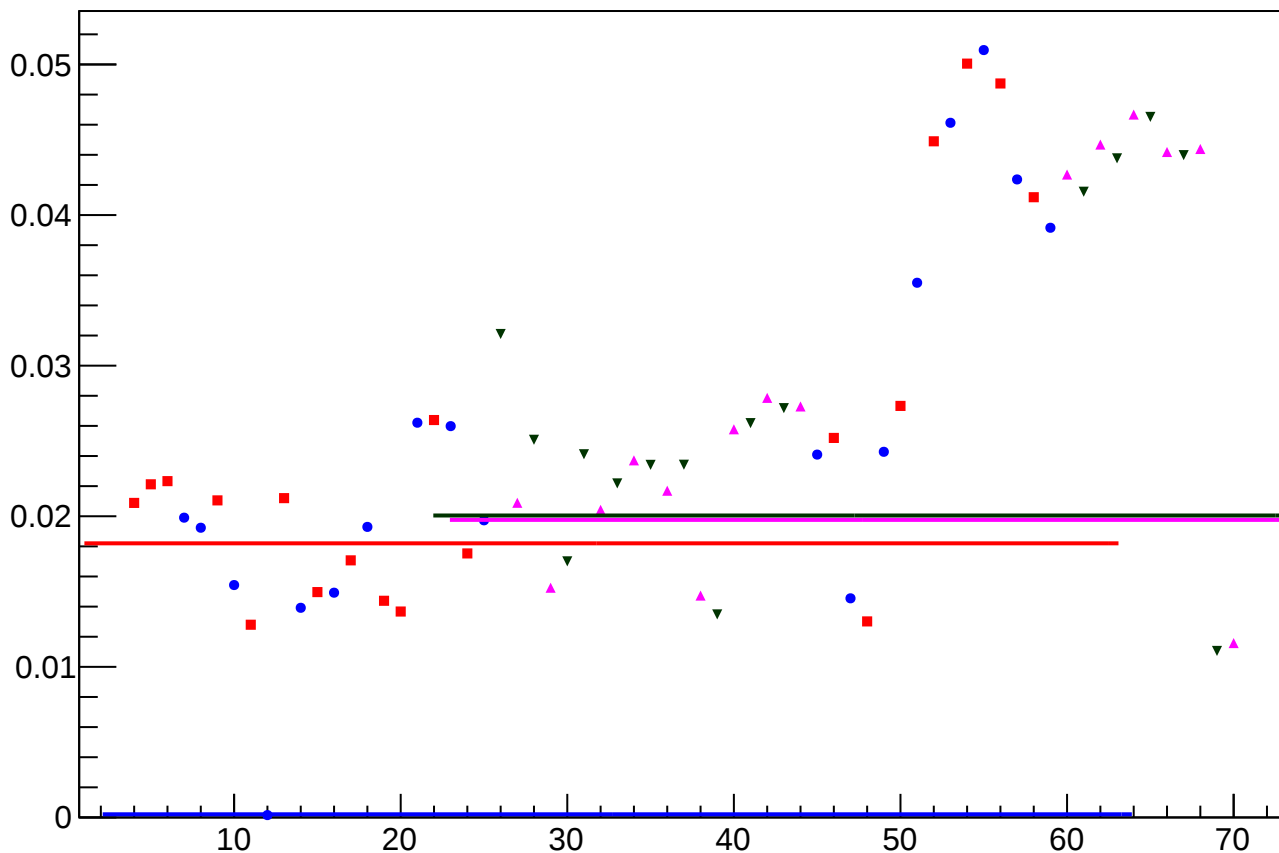
0.060+/-0.000 χ^2/NDF : 4661670786.5/32

Right Out: 0.054+/-0.000 χ^2/NDF : 3509628523.3/18

0.145+/-0.000 χ^2/NDF : 4041755509.3/33

Left In: 0.273+/-0.000 χ^2/NDF : 31532377.0/14

yield_bpm4ecX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 19749394.2/17

Left Out: 0.020+/-0.000 χ^2/NDF : 2332569.4/14

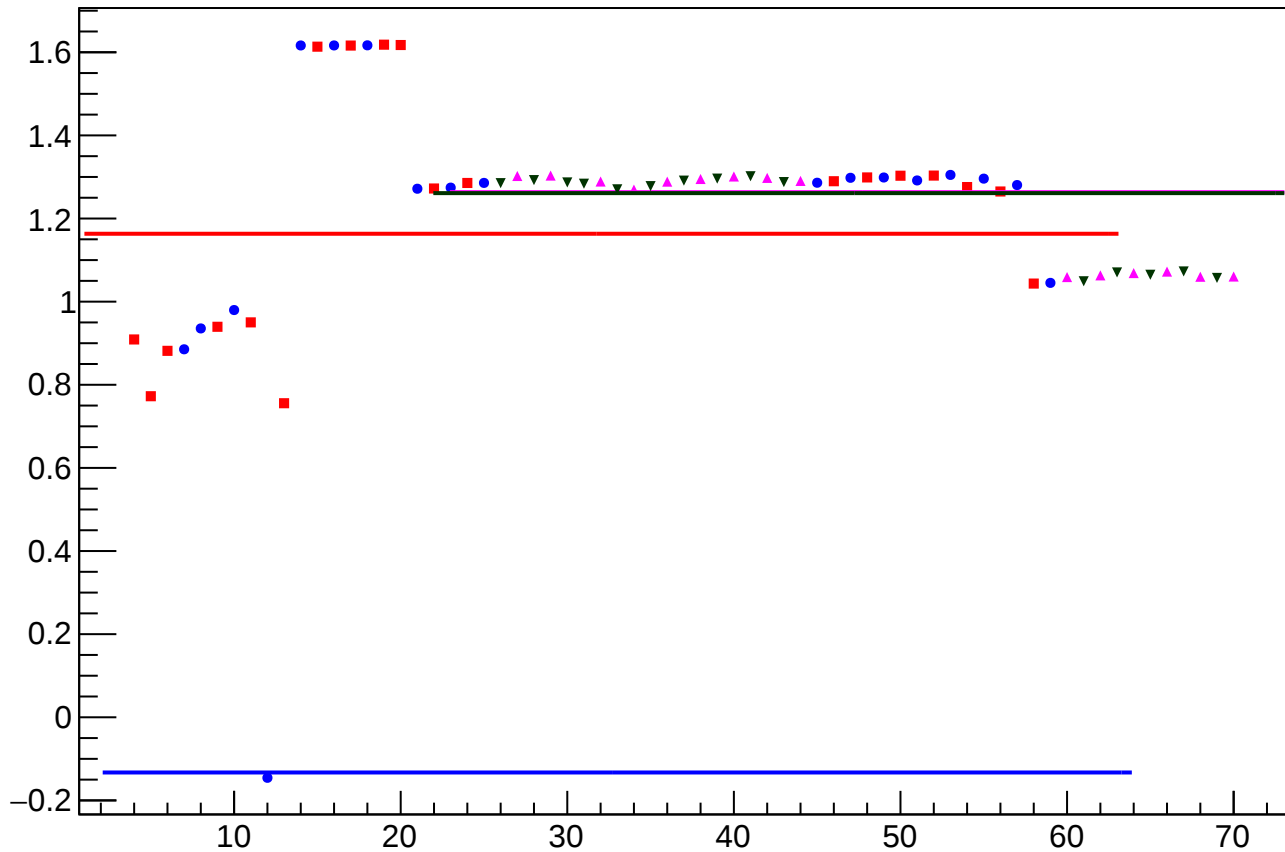
Right Out: 0.018+/-0.000 χ^2/NDF : 2422437.2/18

Left In: 0.020+/-0.000 χ^2/NDF : 2491217.5/14

0.000+/-0.000 χ^2/NDF : 34175881.8/32

0.019+/-0.000 χ^2/NDF : 4964184.3/33

yield_bpm4ecY_mean vs slug



Right In: -0.133+/-0.000 χ^2/NDF : 169320914657.8/17

Left Out: 1.261+/-0.000 χ^2/NDF : 316785373.3/14

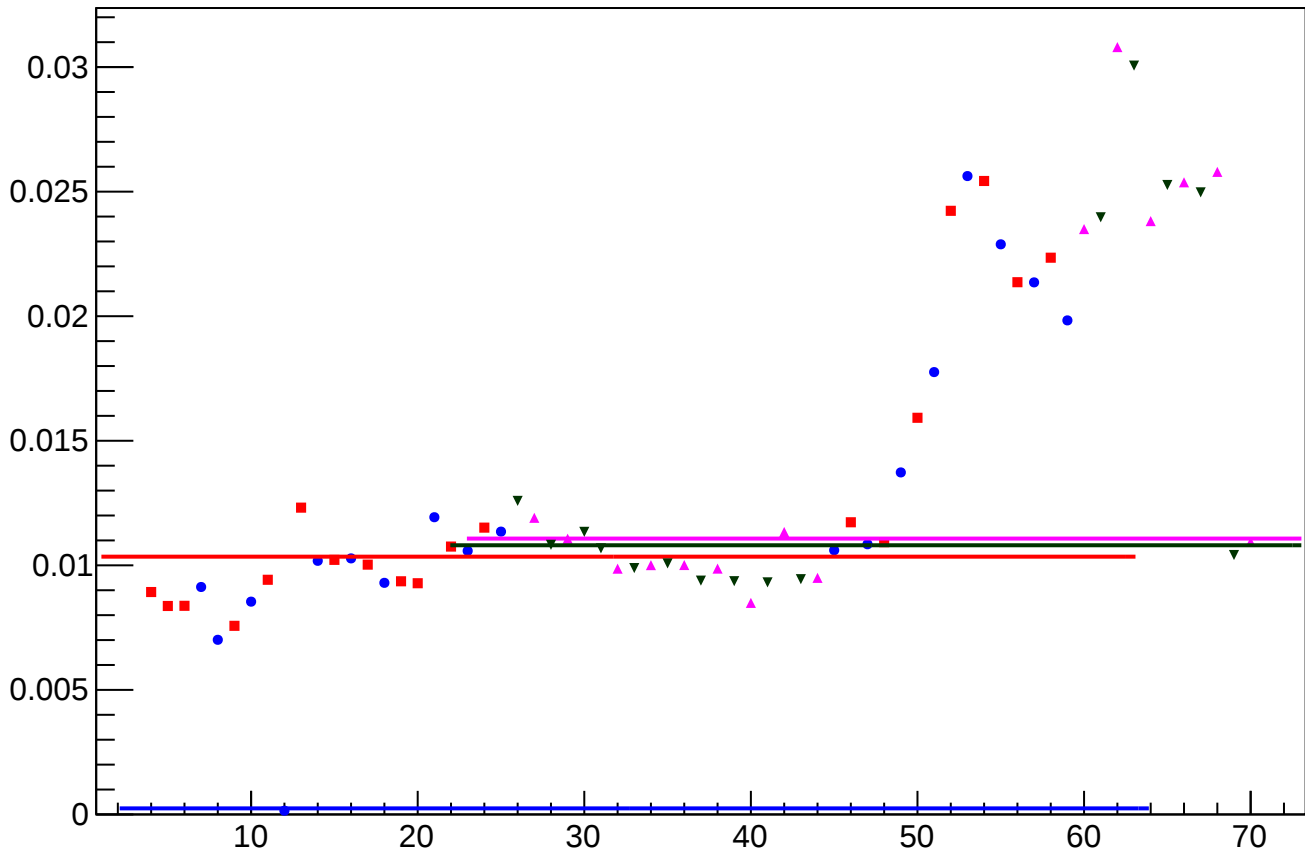
-0.124+/-0.000 χ^2/NDF : 279576562878.9/32

Right Out: 1.163+/-0.000 χ^2/NDF : 7253036603.9/18

1.206+/-0.000 χ^2/NDF : 7959986293.2/33

Left In: 1.264+/-0.000 χ^2/NDF : 363865658.1/14

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 :1299470.7/14

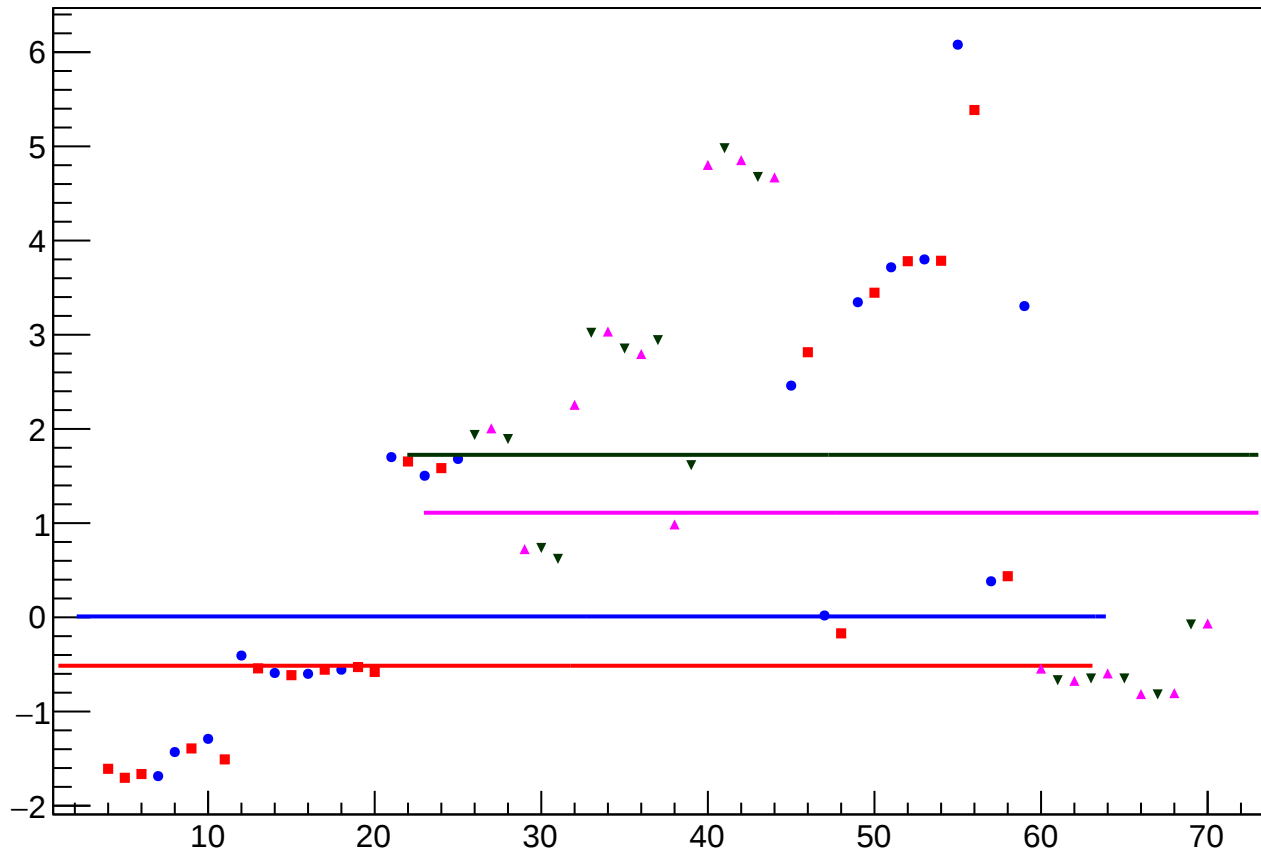
Right Out: 0.010+/-0.000 χ^2/NDF : 1619353.0/18

Left In: 0.011+/-0.000 χ^2/NDF :1605194.1/14

0.000+/-0.000 χ^2/NDF : 33127912.4/32

0.011+/-0.000 χ^2/NDF : 3260590.7/33

yield_bpm1X_mean vs slug



Right In: 0.009 ± 0.000 χ^2/NDF : 18135045883.2/17

Left Out: 1.725 ± 0.000 χ^2/NDF : 2096467409.4/14

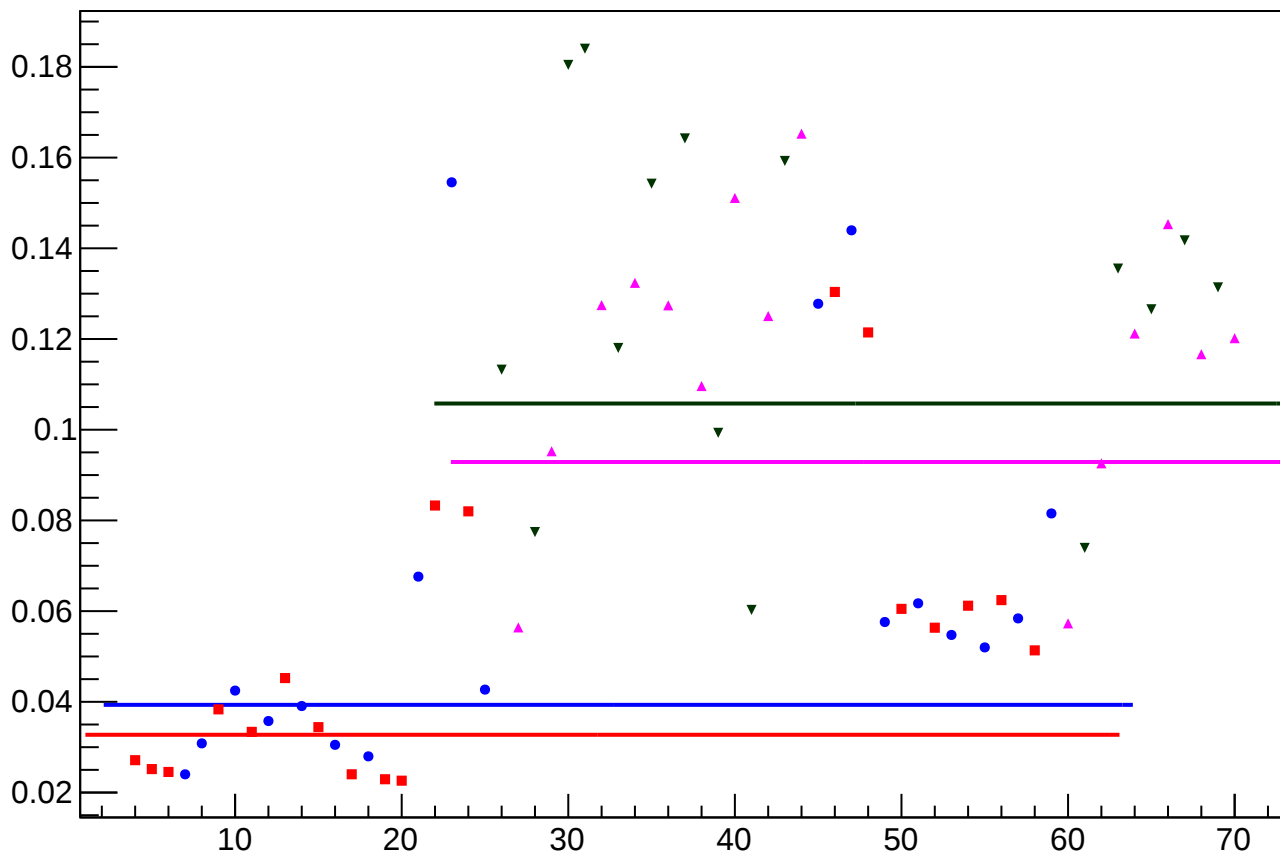
0.171 ± 0.000 χ^2/NDF : 21555670383.1/32

Right Out: -0.514 ± 0.000 χ^2/NDF : 14474436949.2/18

-0.345 ± 0.000 χ^2/NDF : 18236105876.0/33

Left In: 1.110 ± 0.000 χ^2/NDF : 2077983782.7/14

yield_bpm1X_rms vs slug



Right In: 0.039 ± 0.000 χ^2/NDF : 3078164.7/17

Left Out: 0.106 ± 0.000 χ^2/NDF : 1373583.9/14

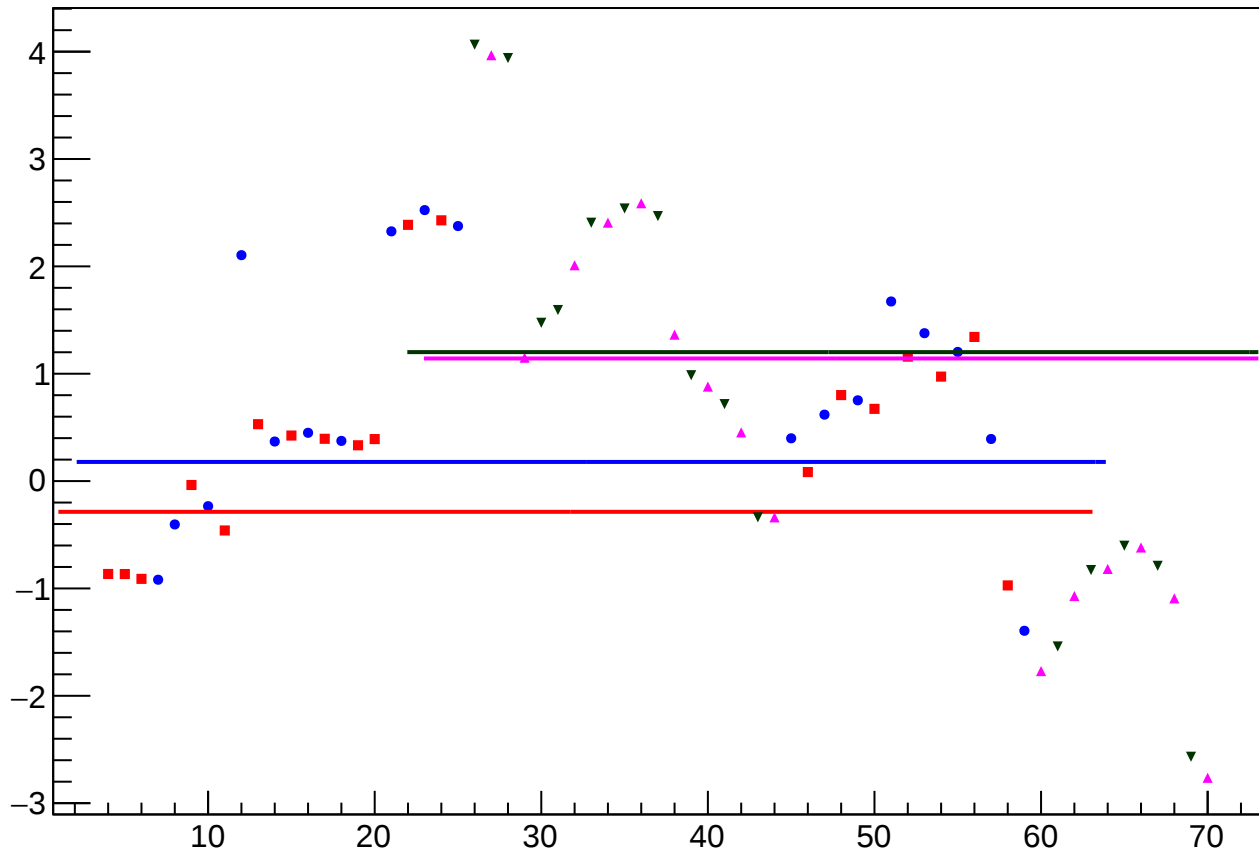
Right Out: 0.033 ± 0.000 χ^2/NDF : 2838022.5/18

Left In: 0.093 ± 0.000 χ^2/NDF : 1687307.9/14

0.046 ± 0.000 χ^2/NDF : 8423377.3/32

0.039 ± 0.000 χ^2/NDF : 9143366.0/33

yield_bpm1Y_mean vs slug



Right In: 0.178 ± 0.000 χ^2/NDF : 9482704623.3/17

Left Out: 1.201 ± 0.000 χ^2/NDF : 4110193950.2/14

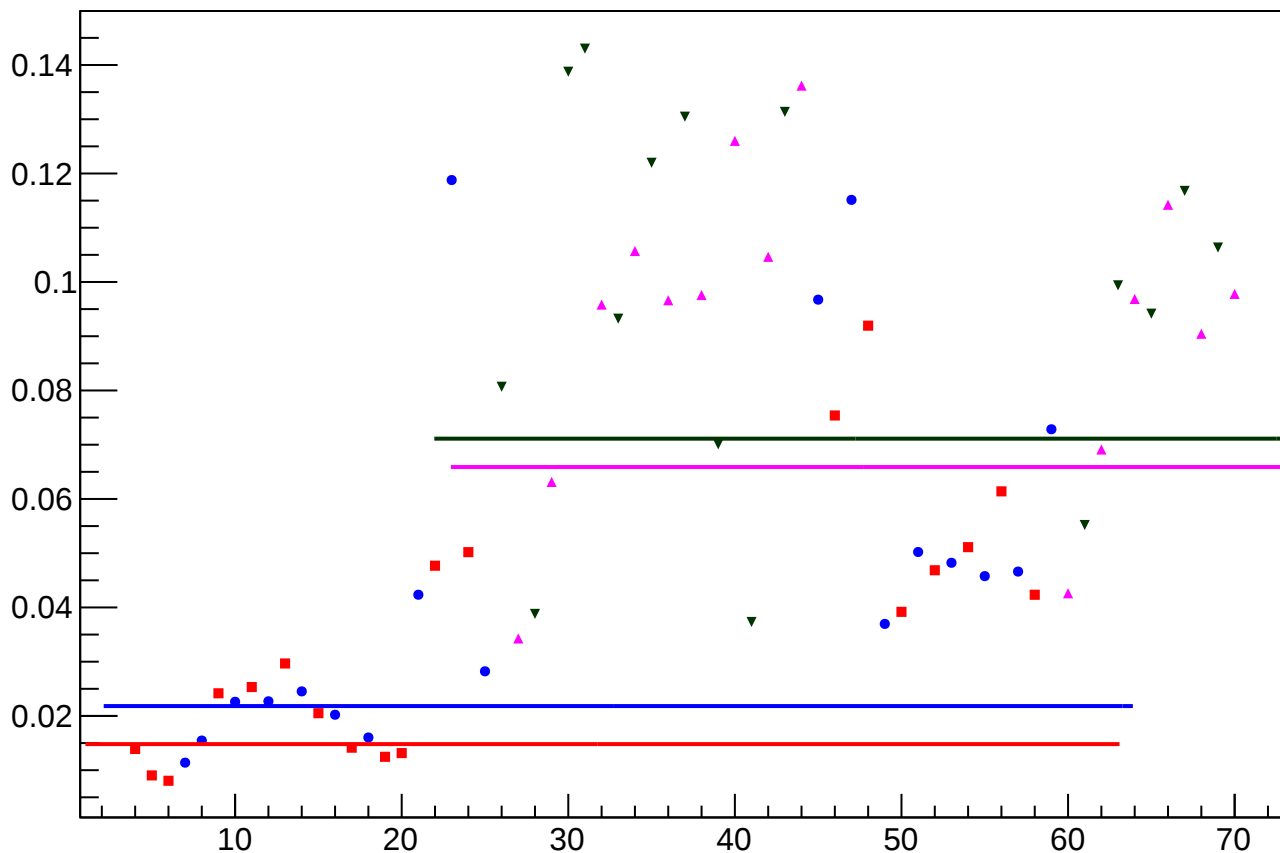
0.251 ± 0.000 χ^2/NDF : 14515999087.2/32

Right Out: -0.286 ± 0.000 χ^2/NDF : 10734675455.5/18

-0.207 ± 0.000 χ^2/NDF : 20069508510.6/33

Left In: 1.142 ± 0.000 χ^2/NDF : 6868659281.1/14

yield_bpm1Y_rms vs slug



Right In: 0.022+/-0.000 χ^2/NDF : 4669284.8/17

Left Out: 0.071+/-0.000 χ^2/NDF : 2230747.5/14

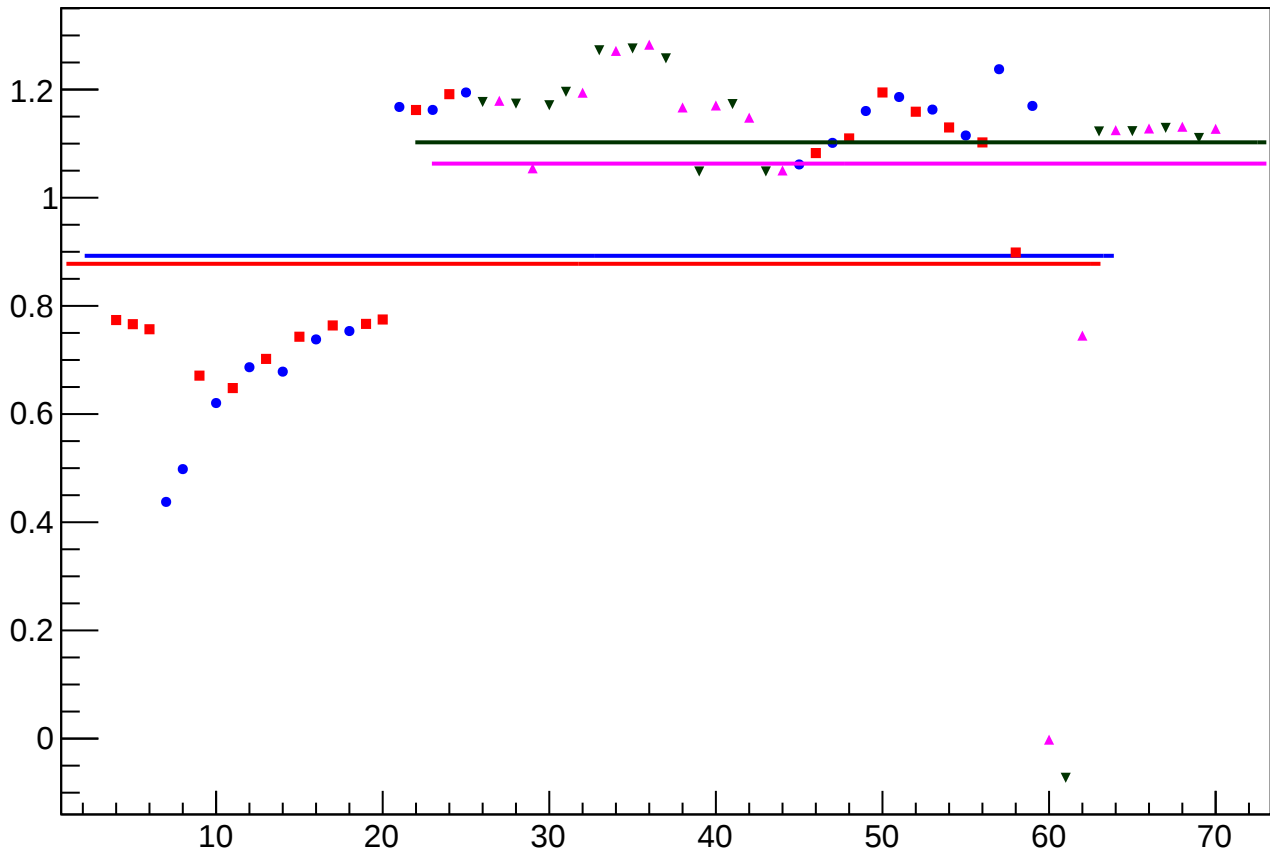
Right Out: 0.015+/-0.000 χ^2/NDF : 4938559.5/18

Left In: 0.066+/-0.000 χ^2/NDF : 2459633.9/14

0.025+/-0.000 χ^2/NDF : 11188697.8/32

0.018+/-0.000 χ^2/NDF : 13705107.0/33

yield_bpm11X_mean vs slug



Right In: 0.893+/-0.000 χ^2/NDF : 1629156385.0/17

Left Out: 1.102+/-0.000 χ^2/NDF : 1063573857.2/14

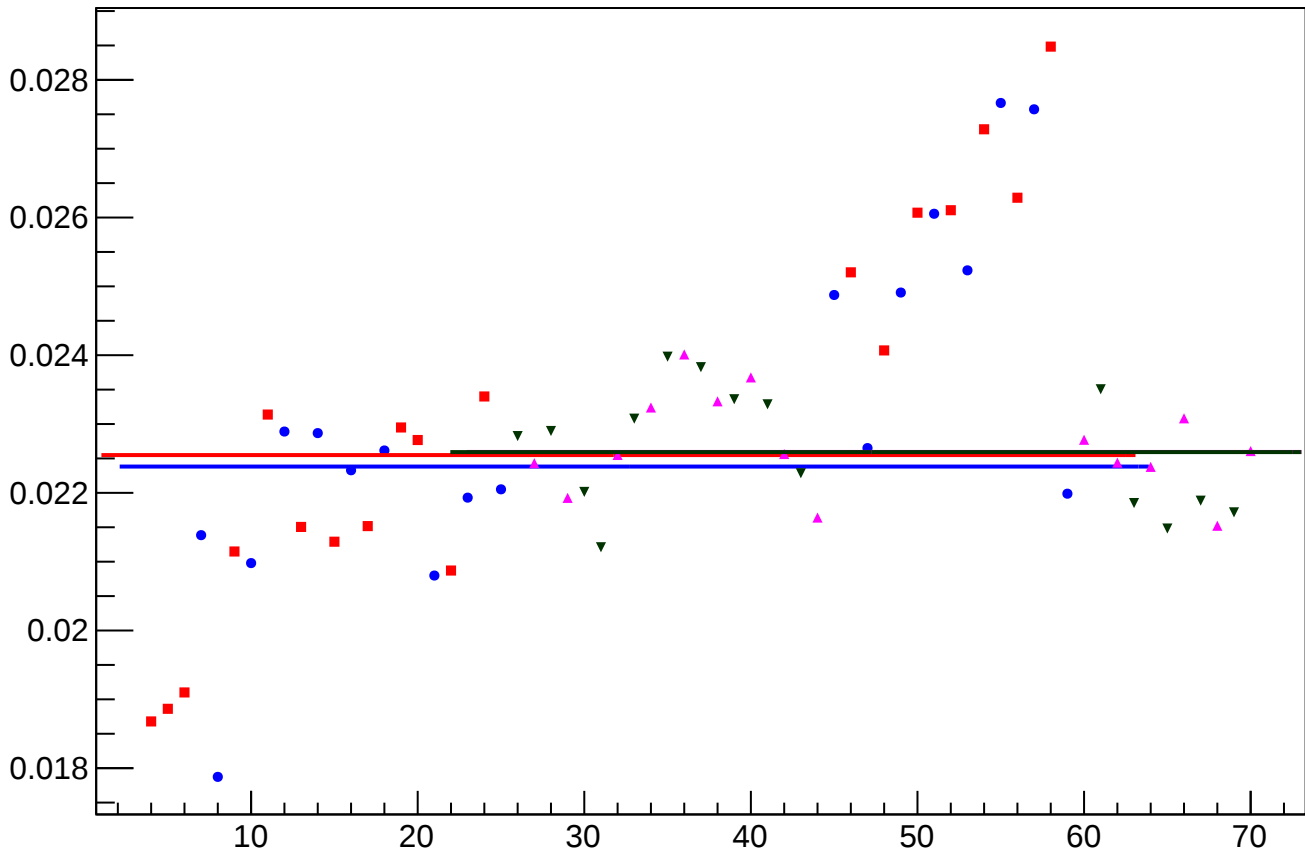
Right Out: 0.878+/-0.000 χ^2/NDF : 761495098.5/18

Left In: 1.063+/-0.000 χ^2/NDF : 1342975982.8/14

0.978+/-0.000 χ^2/NDF : 3077266950.5/32

0.965+/-0.000 χ^2/NDF : 2405048746.2/33

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 : 20772.3/14

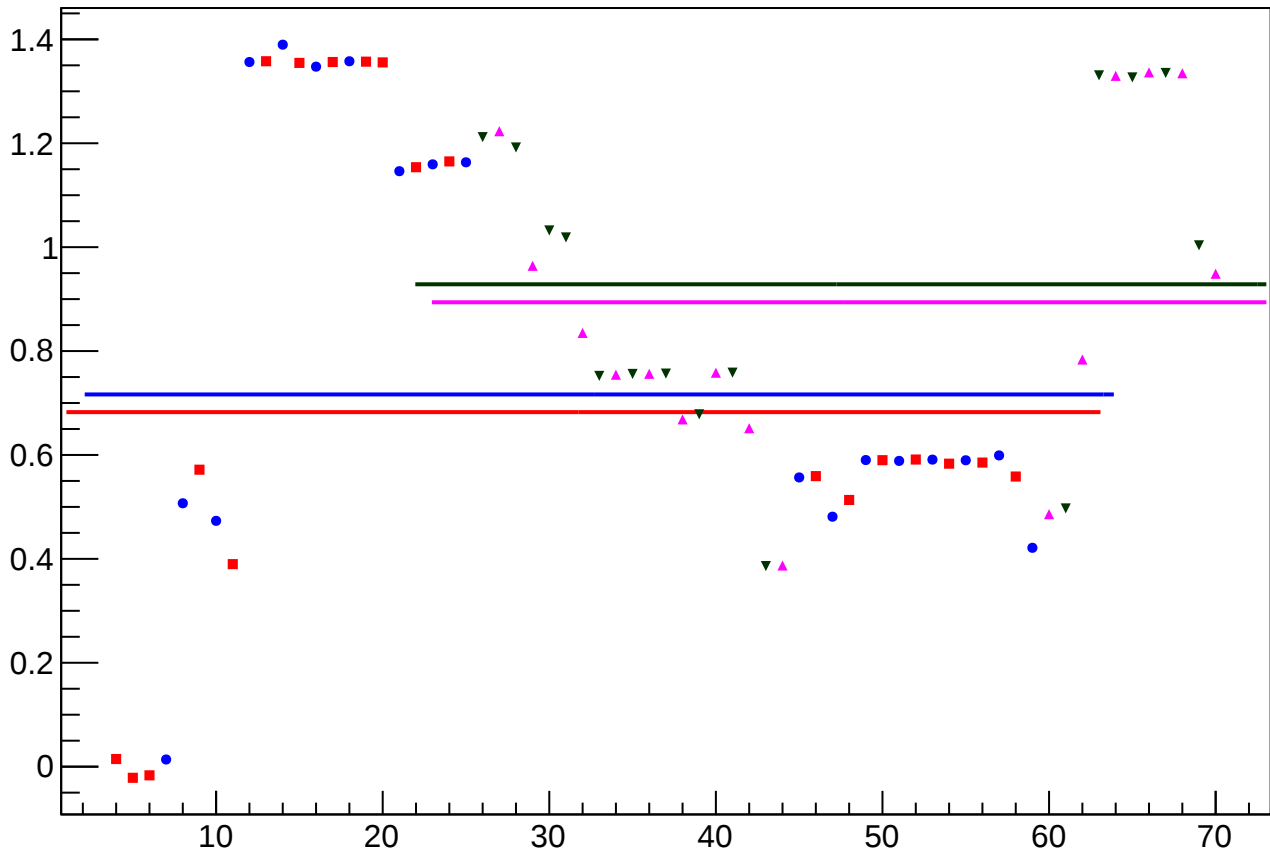
Right Out: 0.023+/-0.000 χ^2/NDF : 246194.4/18

Left In: 0.023+/-0.000 χ^2/NDF : 13683.6/14

0.022+/-0.000 χ^2/NDF : 286155.4/32

0.023+/-0.000 χ^2/NDF : 259914.2/33

yield_bpm11Y_mean vs slug



Right In: 0.716 $\pm$ 0.000 χ^2 /NDF: 131330740430.7/17

Left Out: 0.929 $\pm$ 0.000 χ^2 /NDF: 49554206411.4/14

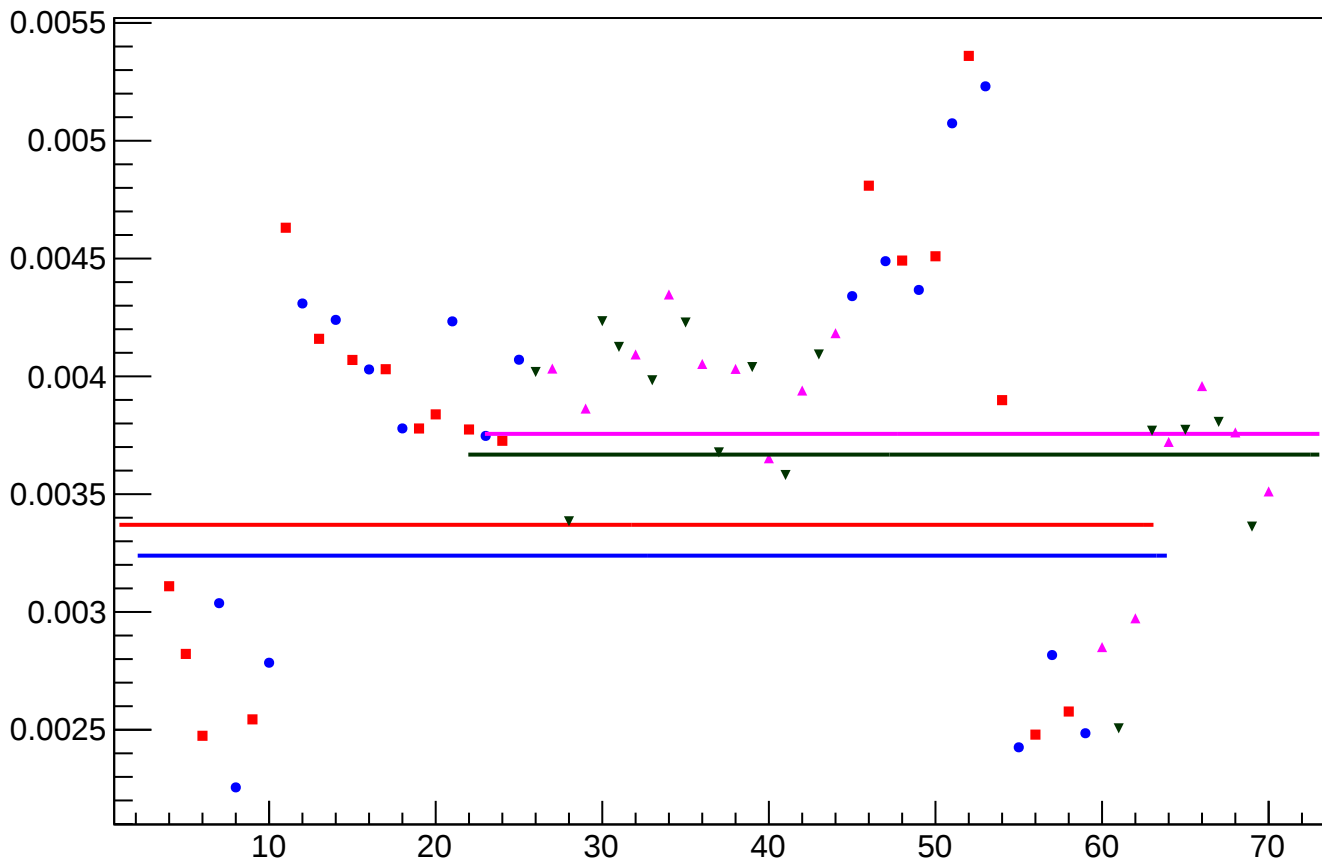
0.793 $\pm$ 0.000 χ^2 /NDF: 196457978464.5/32

Right Out: 0.682 $\pm$ 0.000 χ^2 /NDF: 168328456976.2/18

0.772 $\pm$ 0.000 χ^2 /NDF: 231457642152.2/33

Left In: 0.894 $\pm$ 0.000 χ^2 /NDF: 48084174809.8/14

yield_bpm11Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 1552802.4/17

Left Out: 0.004+/-0.000 χ^2/NDF : 253927.4/14

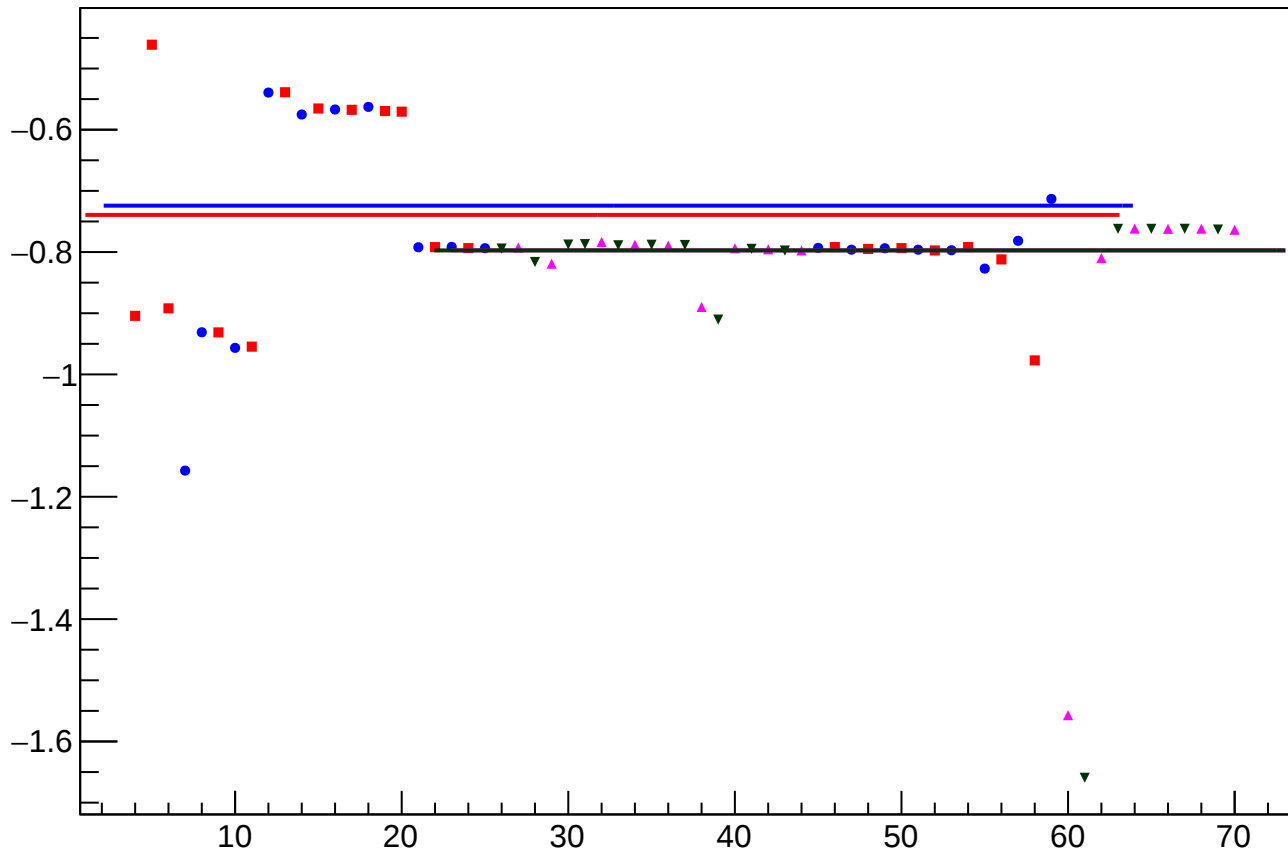
0.003+/-0.000 χ^2/NDF : 1934150.6/32

Right Out: 0.003+/-0.000 χ^2/NDF : 1158167.7/18

0.004+/-0.000 χ^2/NDF : 1465763.9/33

Left In: 0.004+/-0.000 χ^2/NDF : 207347.0/14

yield_bpm12X_mean vs slug



Right In: -0.724 $\pm$ 0.000 χ^2/NDF : 2243966662.4/17

Left Out: -0.797 $\pm$ 0.000 χ^2/NDF : 621833557.1/14

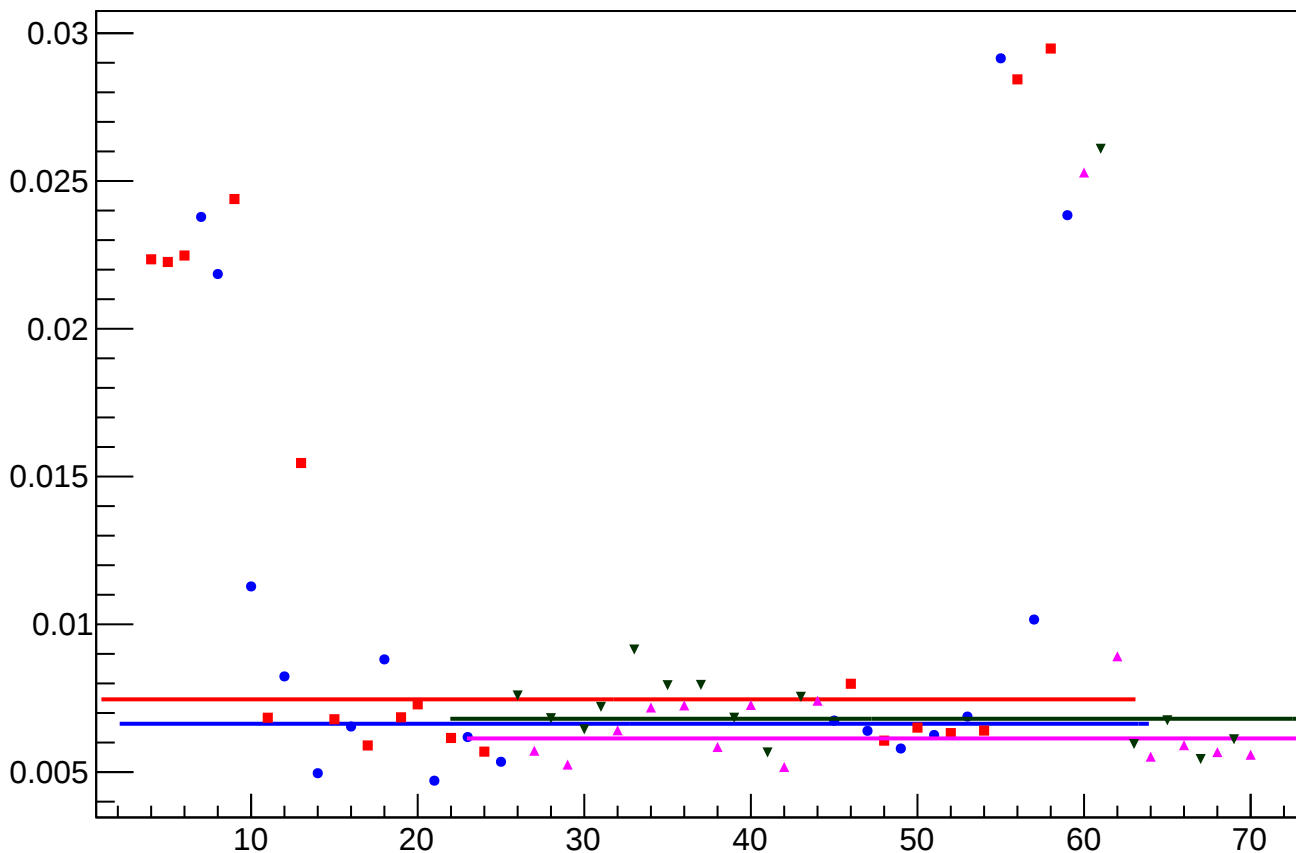
-0.755 $\pm$ 0.000 χ^2/NDF : 3233868595.6/32

Right Out: -0.739 $\pm$ 0.000 χ^2/NDF : 1945829237.2/18

-0.773 $\pm$ 0.000 χ^2/NDF : 2799818908.6/33

Left In: -0.797 $\pm$ 0.000 χ^2/NDF : 632450199.3/14

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 : 653954.2/14

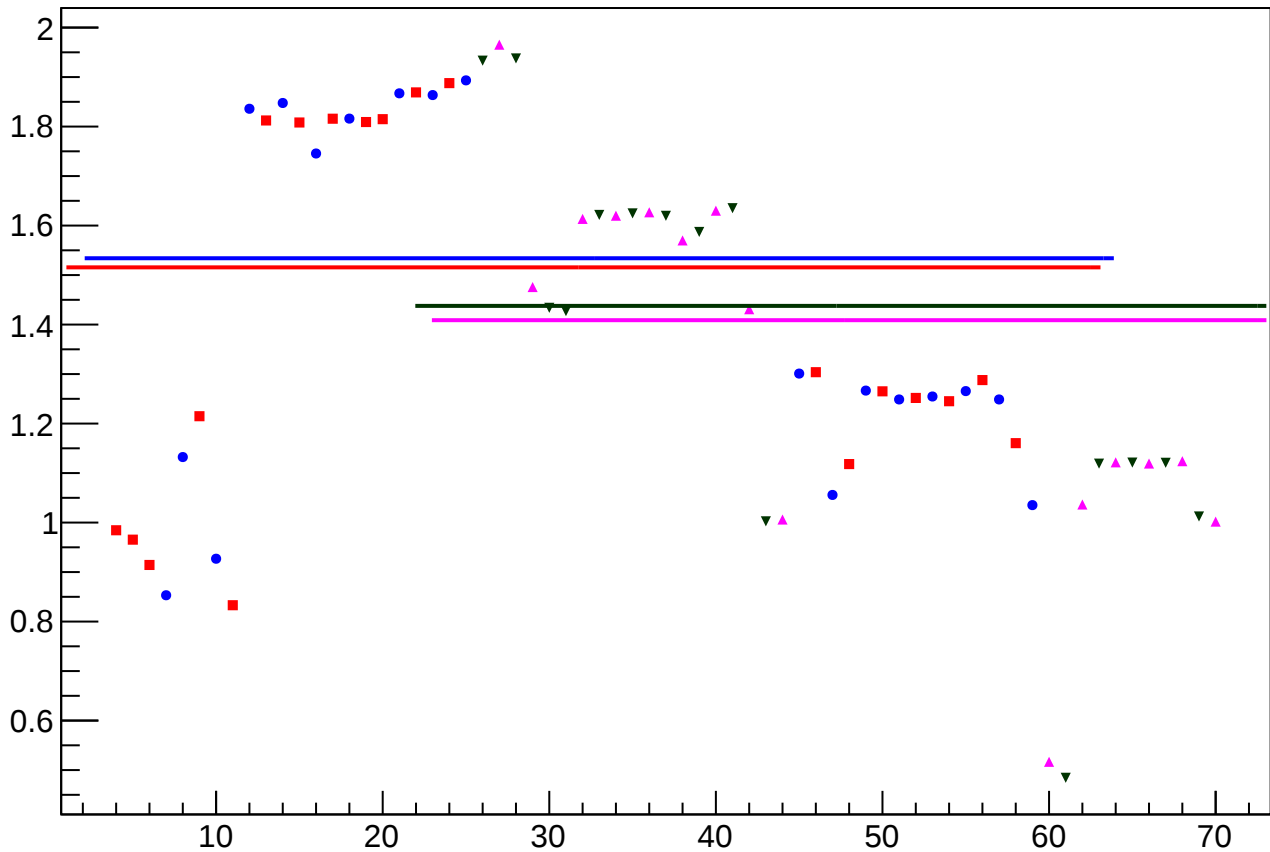
Right Out: 0.007+/-0.000 χ^2/NDF : 3478880.3/18

Left In: 0.006+/-0.000 χ^2/NDF : 826804.6/14

0.007+/-0.000 χ^2/NDF : 4005398.0/32

0.007+/-0.000 χ^2/NDF : 4536838.8/33

yield_bpm12Y_mean vs slug



Right In: 1.534+/-0.000 χ^2/NDF : 22395382646.2/17

Left Out: 1.438+/-0.000 χ^2/NDF : 17256193203.8/14

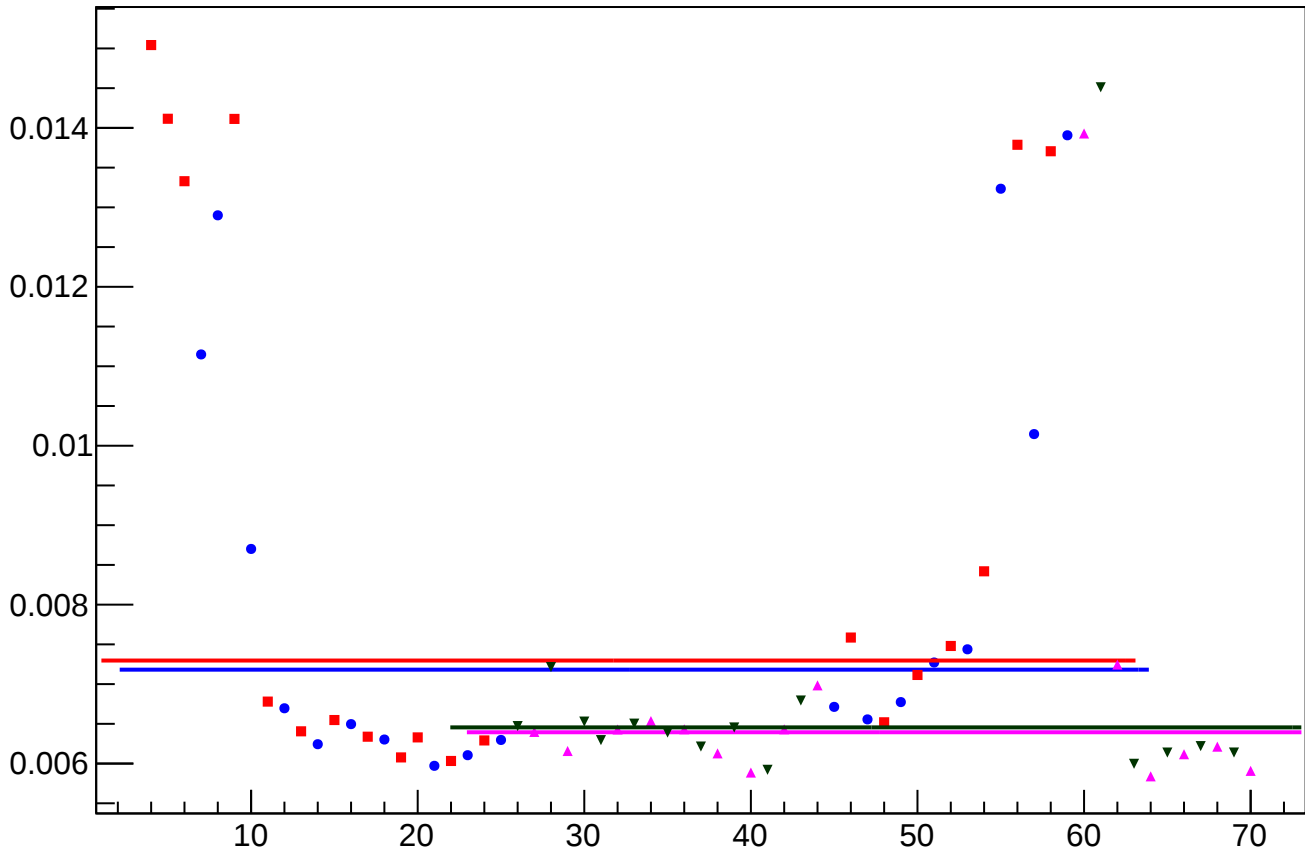
Right Out: 1.516+/-0.000 χ^2/NDF : 21754735470.0/18

Left In: 1.409+/-0.000 χ^2/NDF : 19152938943.3/14

1.489+/-0.000 χ^2/NDF : 40478333731.5/32

1.458+/-0.000 χ^2/NDF : 41897978699.1/33

yield_bpm12Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 1305539.8/17

Left Out: 0.006+/-0.000 χ^2/NDF : 295463.5/14

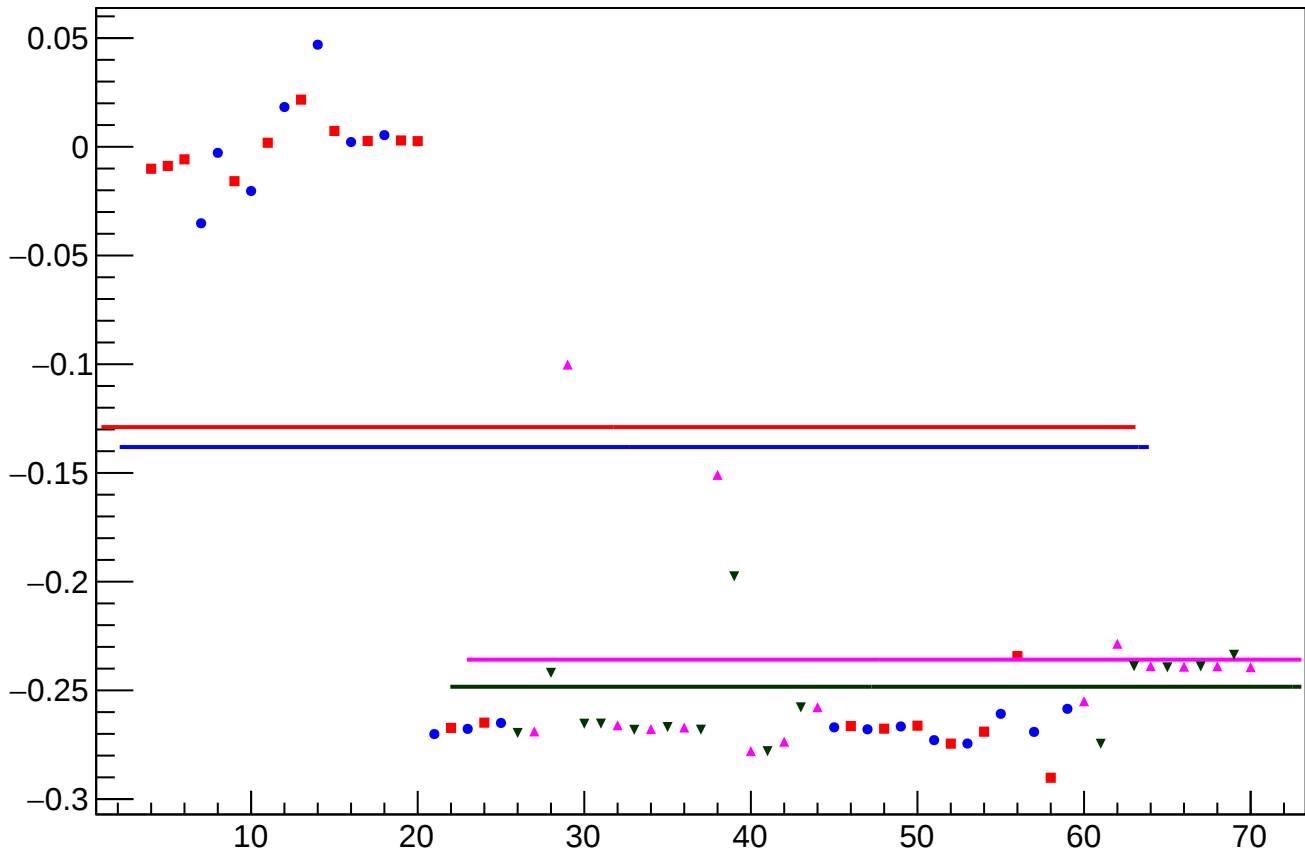
Right Out: 0.007+/-0.000 χ^2/NDF : 1457854.6/18

Left In: 0.006+/-0.000 χ^2/NDF : 342342.2/14

0.007+/-0.000 χ^2/NDF : 1695217.3/32

0.007+/-0.000 χ^2/NDF : 1941877.4/33

yield_bpm16X_mean vs slug



Right In: -0.138 ± 0.000 $\chi^2/\text{NDF}: 7275574194.7/17$

Left Out: -0.248 ± 0.000 $\chi^2/\text{NDF}: 130723734.6/14$

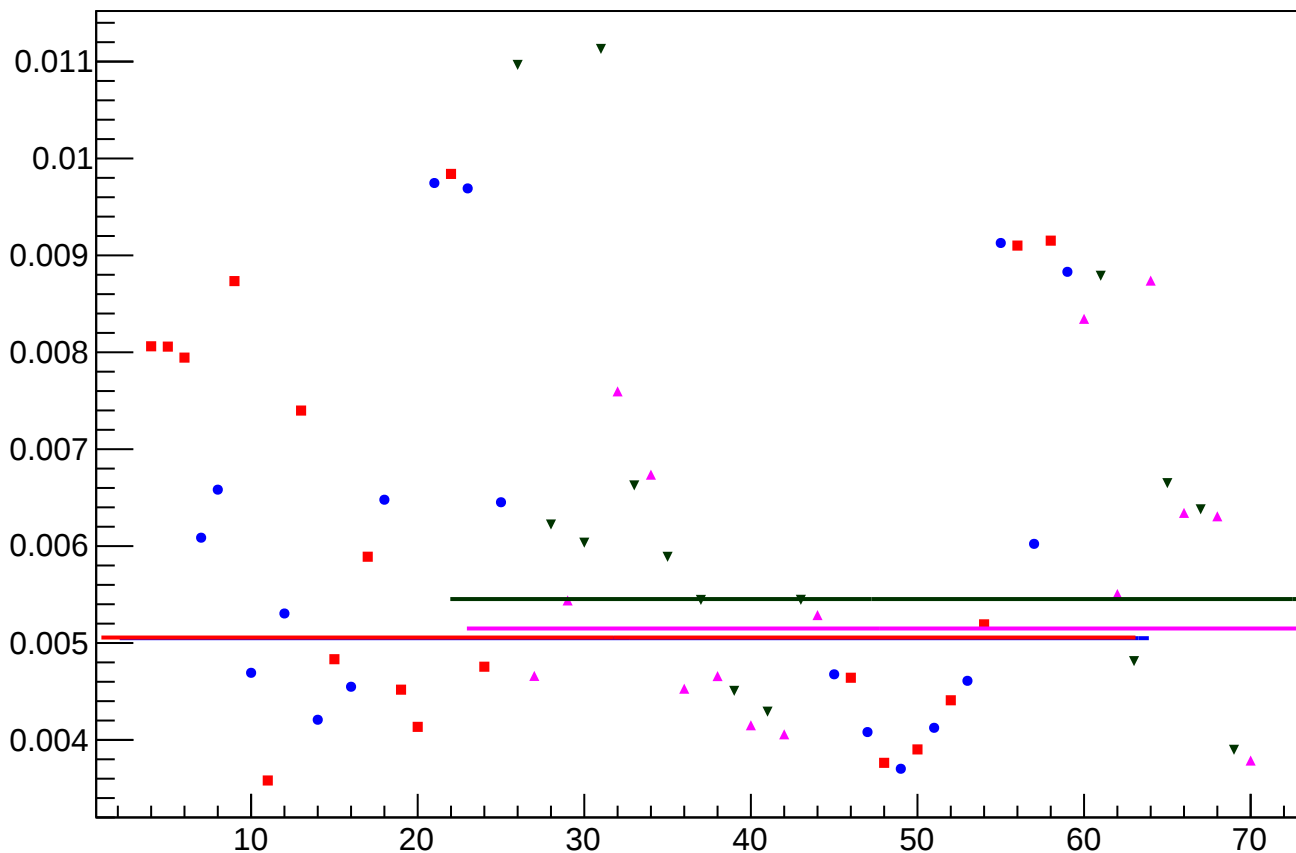
-0.180 ± 0.000 $\chi^2/\text{NDF}: 9087848254.4/32$

Right Out: -0.129 ± 0.000 $\chi^2/\text{NDF}: 5878929515.5/18$

-0.179 ± 0.000 $\chi^2/\text{NDF}: 8380595175.4/33$

Left In: -0.236 ± 0.000 $\chi^2/\text{NDF}: 791683521.0/14$

yield_bpm16X_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 1664372.1/17

Left Out: 0.005+/-0.000 χ^2/NDF : 928084.3/14

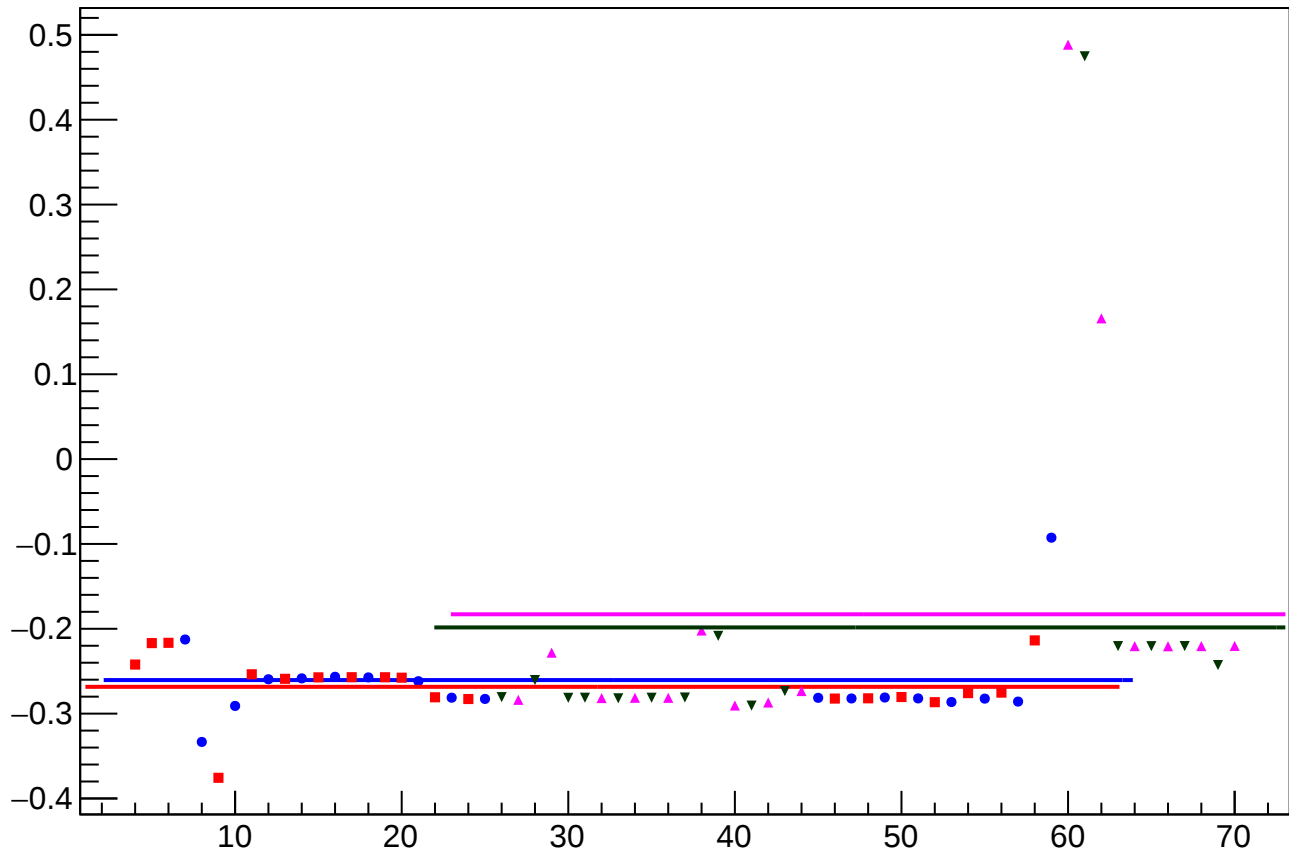
Right Out: 0.005+/-0.000 χ^2/NDF : 1822469.4/18

Left In: 0.005+/-0.000 χ^2/NDF : 887409.7/14

0.005+/-0.000 χ^2/NDF : 2637562.8/32

0.005+/-0.000 χ^2/NDF : 2712471.7/33

yield_bpm16Y_mean vs slug



Right In: -0.260+/-0.000 χ^2/NDF : 6878369368.1/17

Left Out: -0.198+/-0.000 χ^2/NDF : 41871811814.2/14

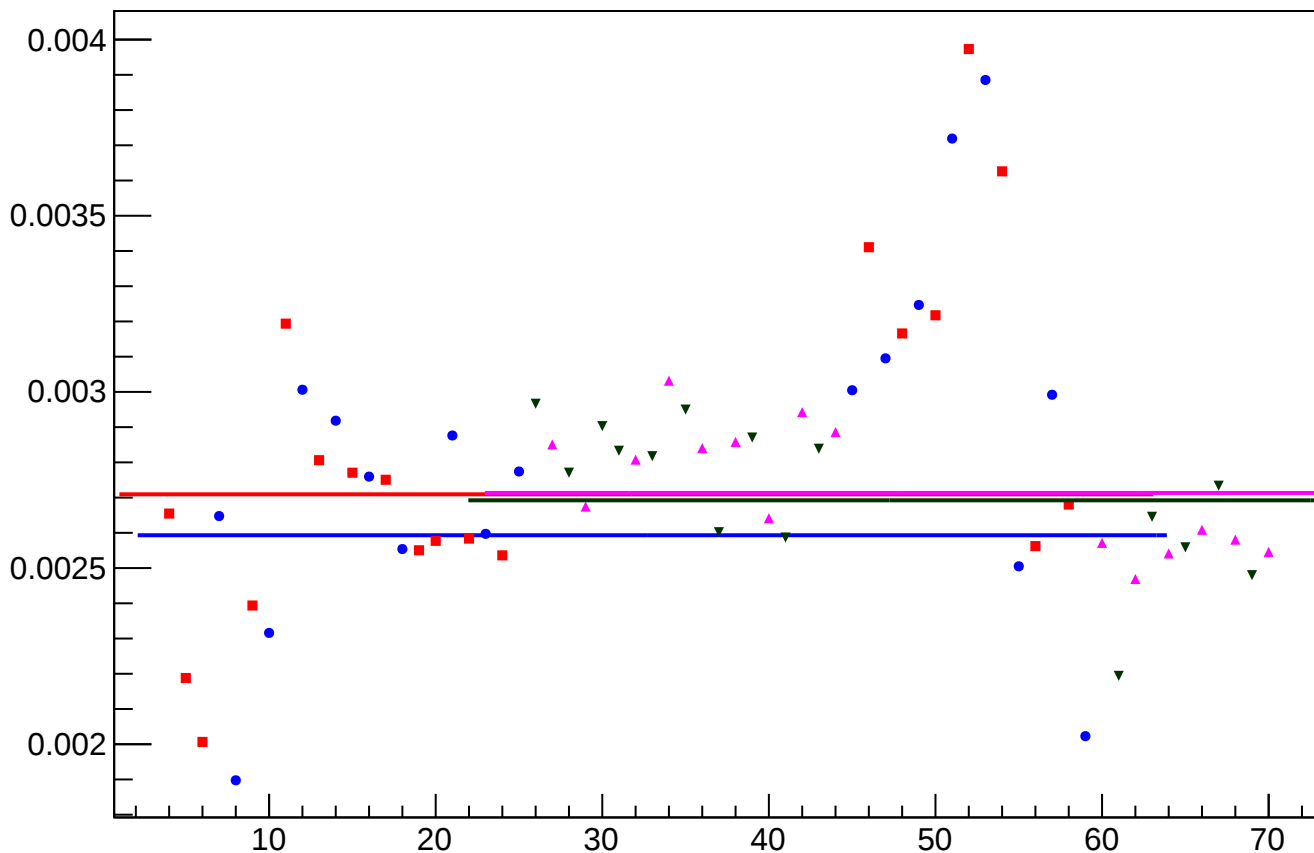
Right Out: -0.268+/-0.000 χ^2/NDF : 2185355194.4/18

Left In: -0.183+/-0.000 χ^2/NDF : 44131549040.7/14

-0.236+/-0.000 χ^2/NDF : 51145311668.5/32

-0.228+/-0.000 χ^2/NDF : 50712020472.8/33

yield_bpm16Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 774114.6/17

Left Out: 0.003+/-0.000 χ^2/NDF : 87705.1/14

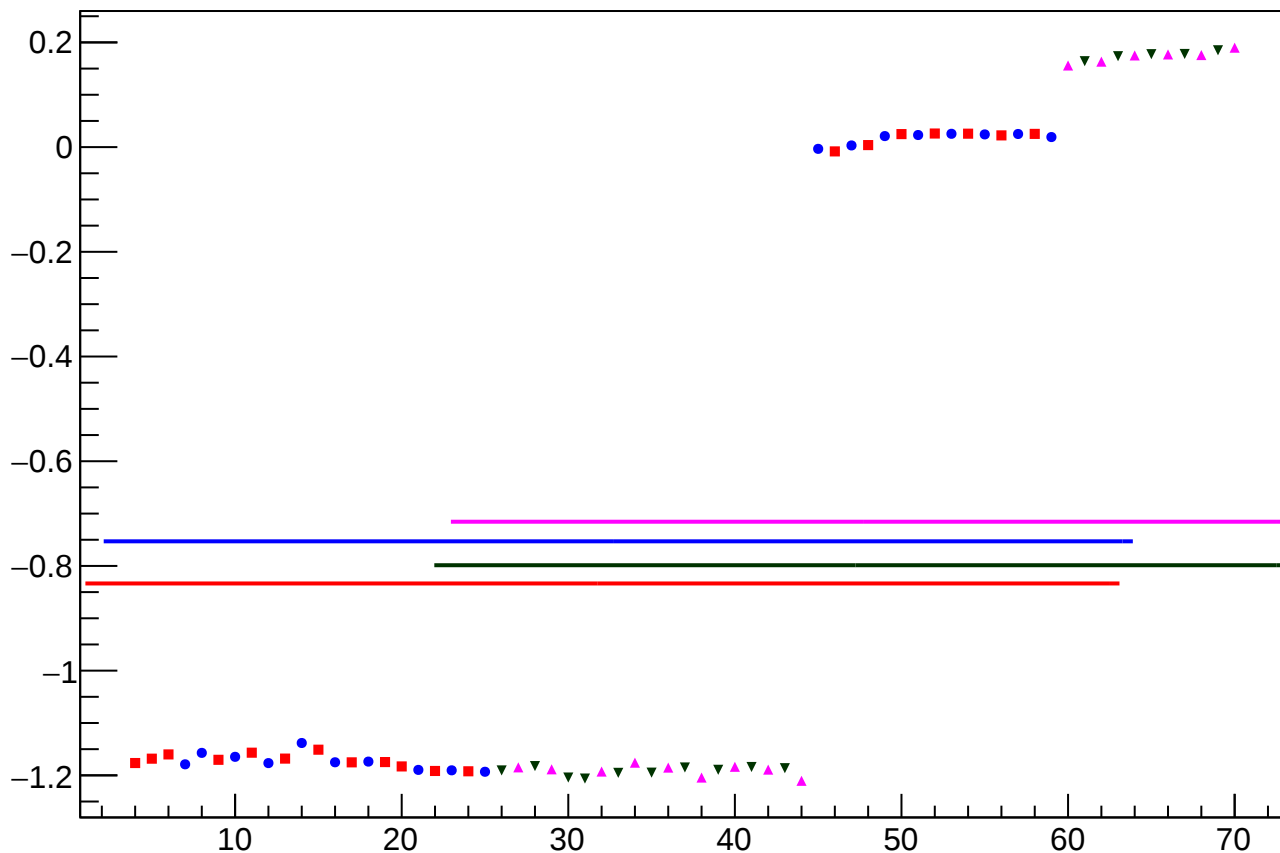
Right Out: 0.003+/-0.000 χ^2/NDF : 476230.4/18

Left In: 0.003+/-0.000 χ^2/NDF : 57022.1/14

0.003+/-0.000 χ^2/NDF : 874052.4/32

0.003+/-0.000 χ^2/NDF : 533270.6/33

yield_bpm2i01X_mean vs slug



Right In: -0.753+/-0.000 χ^2/NDF : 63524502695.2/17

Left Out: -0.799+/-0.000 χ^2/NDF : 43448131977.1/14

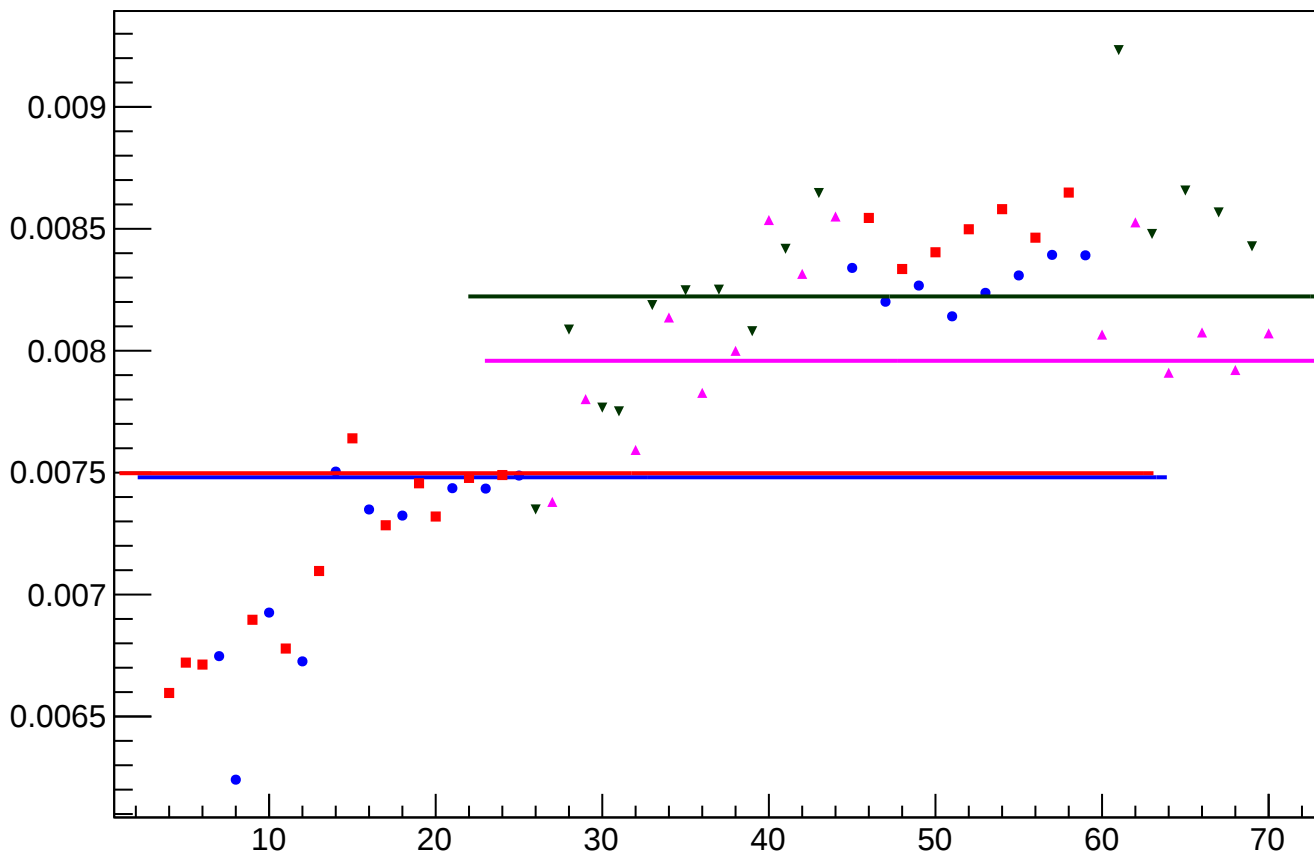
Right Out: -0.833+/-0.000 χ^2/NDF : 50332816661.3/18

Left In: -0.716+/-0.000 χ^2/NDF : 57336791439.0/14

-0.770+/-0.000 χ^2/NDF : 107123032236.0/32

-0.782+/-0.000 χ^2/NDF : 108734553685.5/33

yield_bpm2i01X_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 196084.4/17

Left Out: 0.008+/-0.000 χ^2/NDF : 39627.4/14

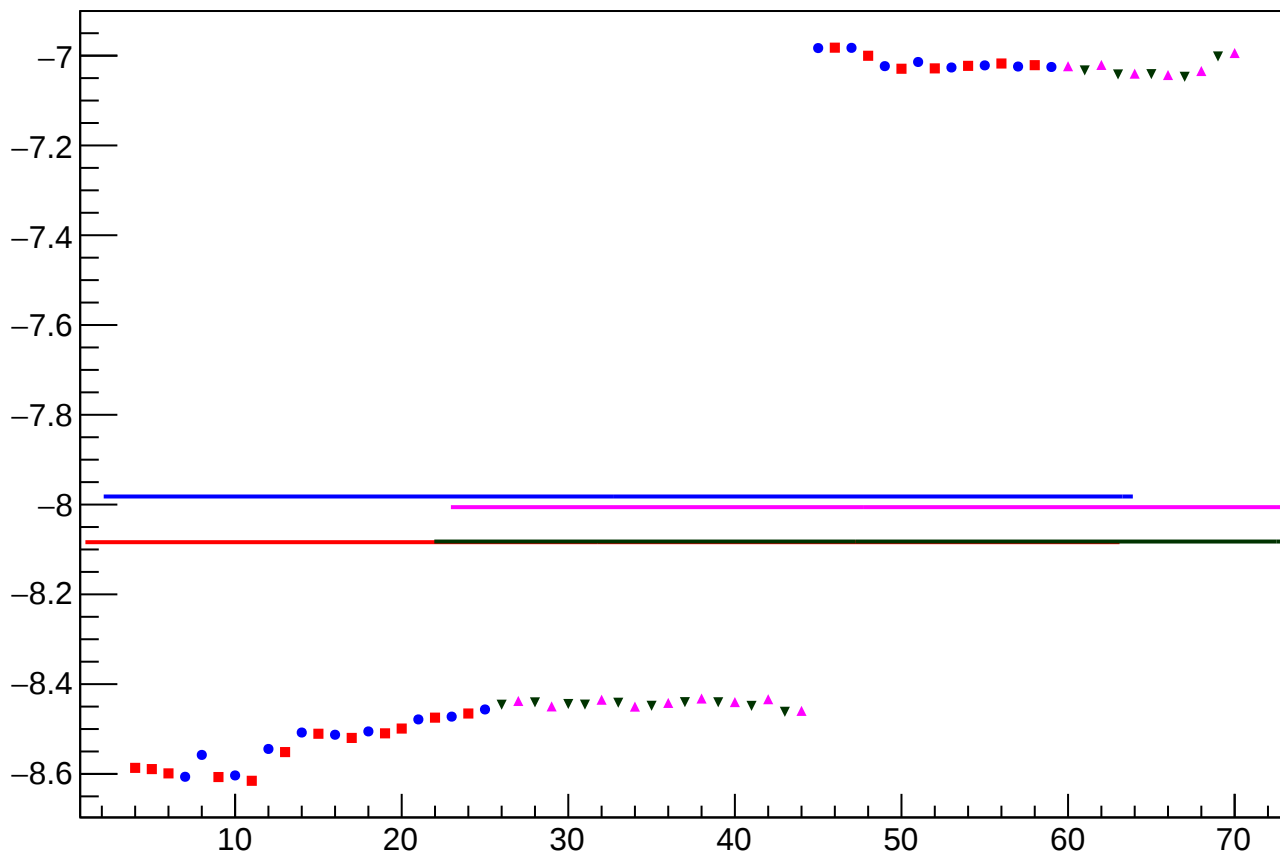
Right Out: 0.007+/-0.000 χ^2/NDF : 167417.2/18

Left In: 0.008+/-0.000 χ^2/NDF : 31753.8/14

0.008+/-0.000 χ^2/NDF : 315120.2/32

0.008+/-0.000 χ^2/NDF : 231714.3/33

yield_bpm2i01Y_mean vs slug



Right In: -7.982+/-0.000 χ^2/NDF : 116524136897.0/17

Left Out: -8.082+/-0.000 χ^2/NDF : 53175915352.0/14

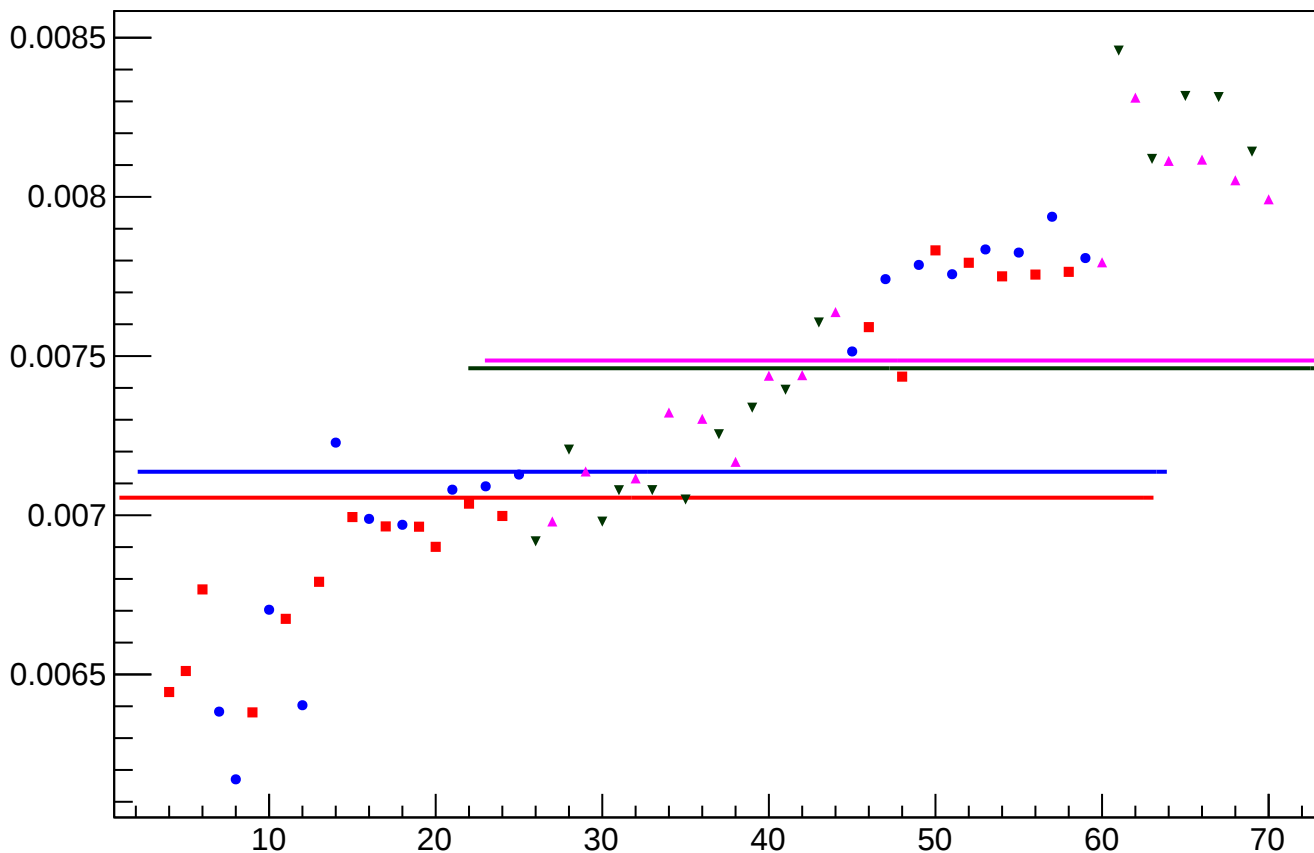
Right Out: -8.084+/-0.000 χ^2/NDF : 99506540389.5/18

Left In: -8.006+/-0.000 χ^2/NDF : 66489941405.4/14

-8.021+/-0.000 χ^2/NDF : 170558488631.9/32

-8.050+/-0.000 χ^2/NDF : 166528763075.4/33

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 : 70306.8/14

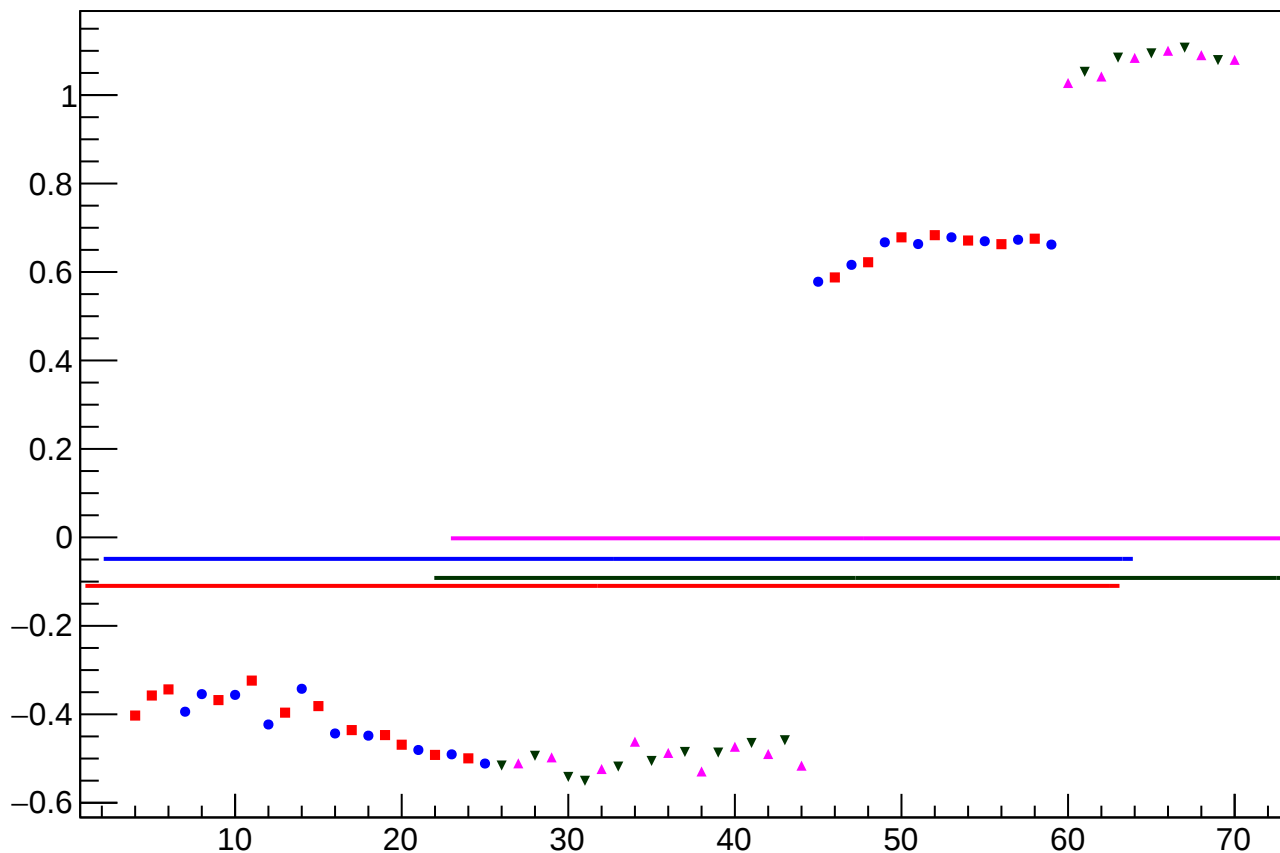
Right Out: 0.007+/-0.000 χ^2/NDF : 88863.4/18

Left In: 0.007+/-0.000 χ^2/NDF : 54659.4/14

0.007+/-0.000 χ^2/NDF : 229727.3/32

0.007+/-0.000 χ^2/NDF : 175974.1/33

yield_bpm2i02X_mean vs slug



Right In: -0.049+/-0.000 χ^2/NDF : 7806391272.8/17

Left Out: -0.092+/-0.000 χ^2/NDF : 8330736103.8/14

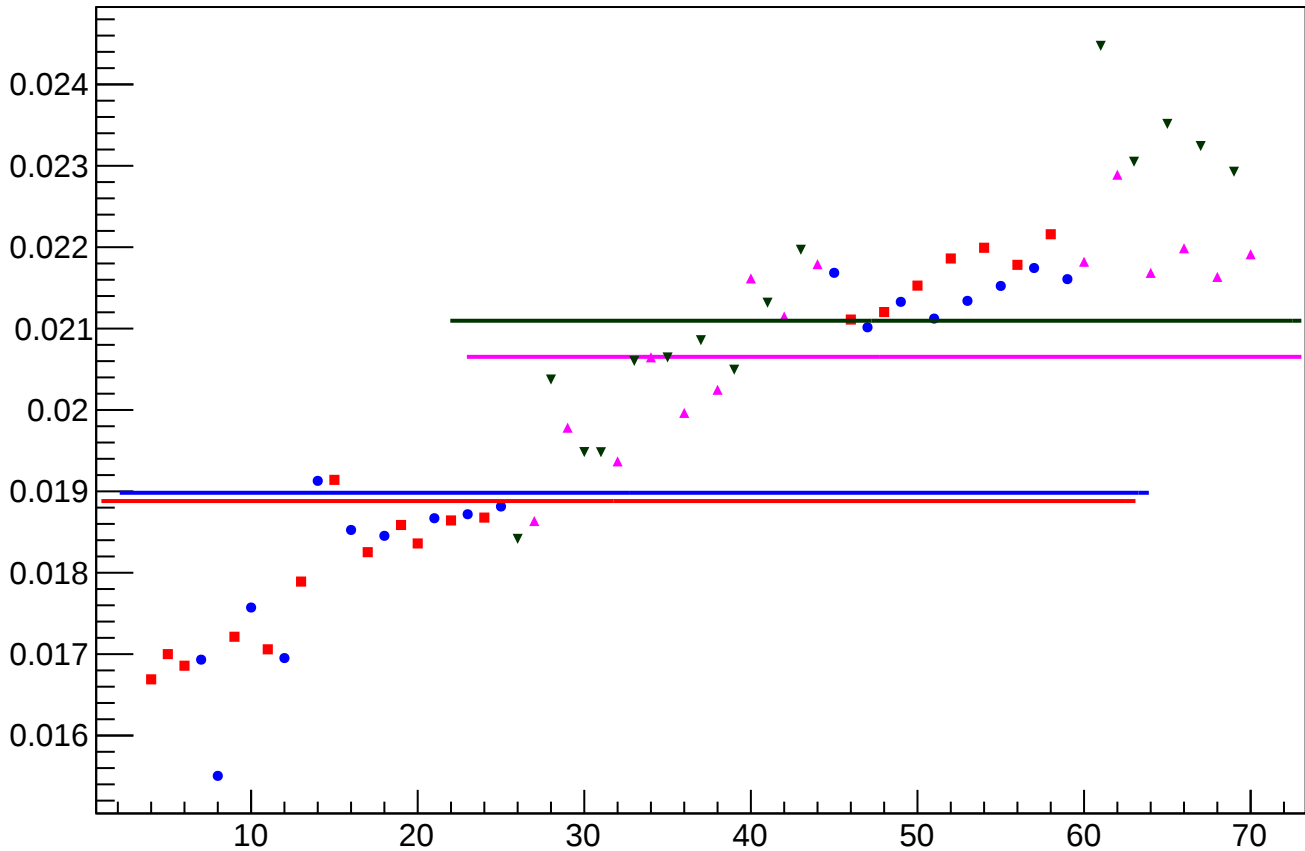
Right Out: -0.110+/-0.000 χ^2/NDF : 6259069670.0/18

Left In: -0.002+/-0.000 χ^2/NDF : 10854995998.0/14

-0.064+/-0.000 χ^2/NDF : 16157623224.3/32

-0.064+/-0.000 χ^2/NDF : 17248913535.7/33

yield_bpm2i02X_rms vs slug



Right In: 0.019+/-0.000 χ^2/NDF : 254927.5/17

Left Out: 0.021+/-0.000 χ^2/NDF : 87791.7/14

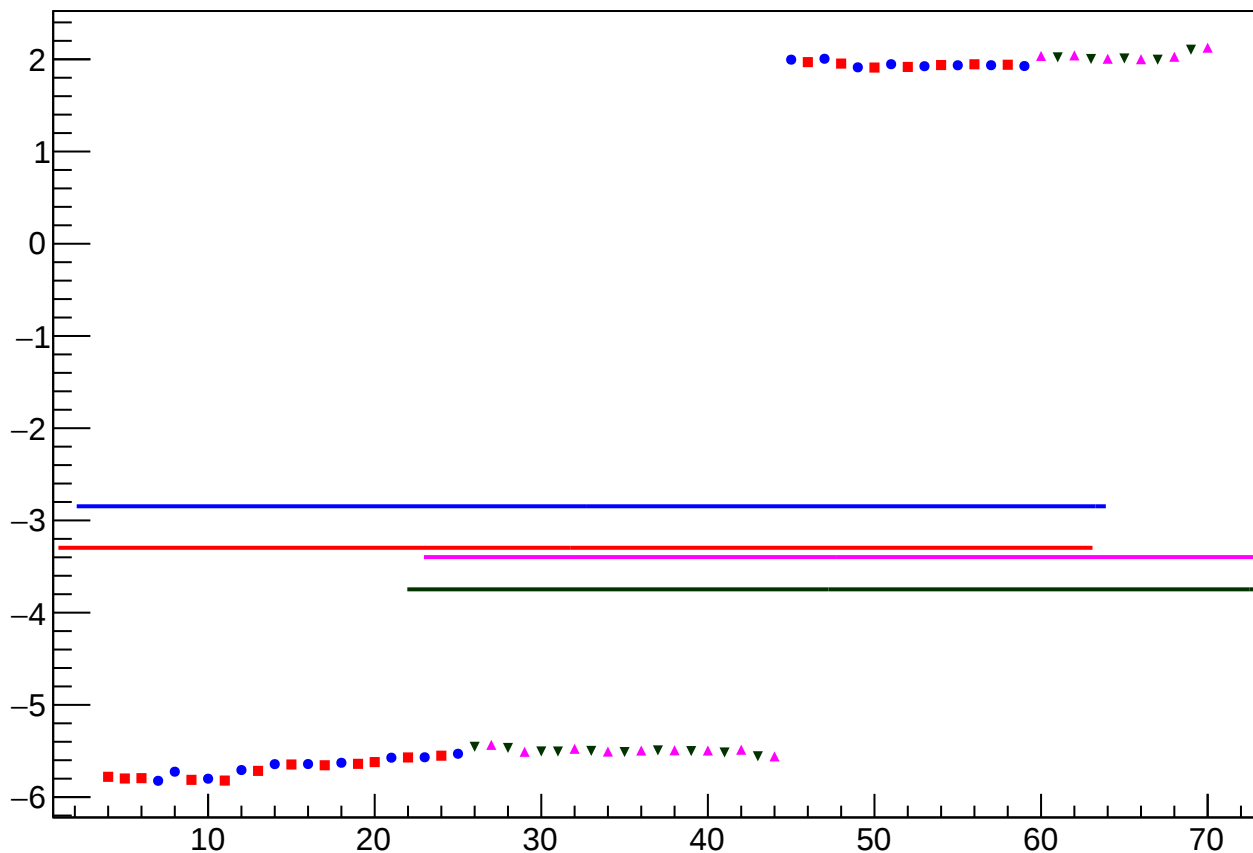
Right Out: 0.019+/-0.000 χ^2/NDF : 190553.3/18

Left In: 0.021+/-0.000 χ^2/NDF : 61487.1/14

0.020+/-0.000 χ^2/NDF : 441363.3/32

0.020+/-0.000 χ^2/NDF : 325289.1/33

yield_bpm2i02Y_mean vs slug



Right In: -2.847+/-0.000 χ^2/NDF : 988085675921.2/17

Left Out: -3.747+/-0.000 χ^2/NDF : 489449158480.2/14

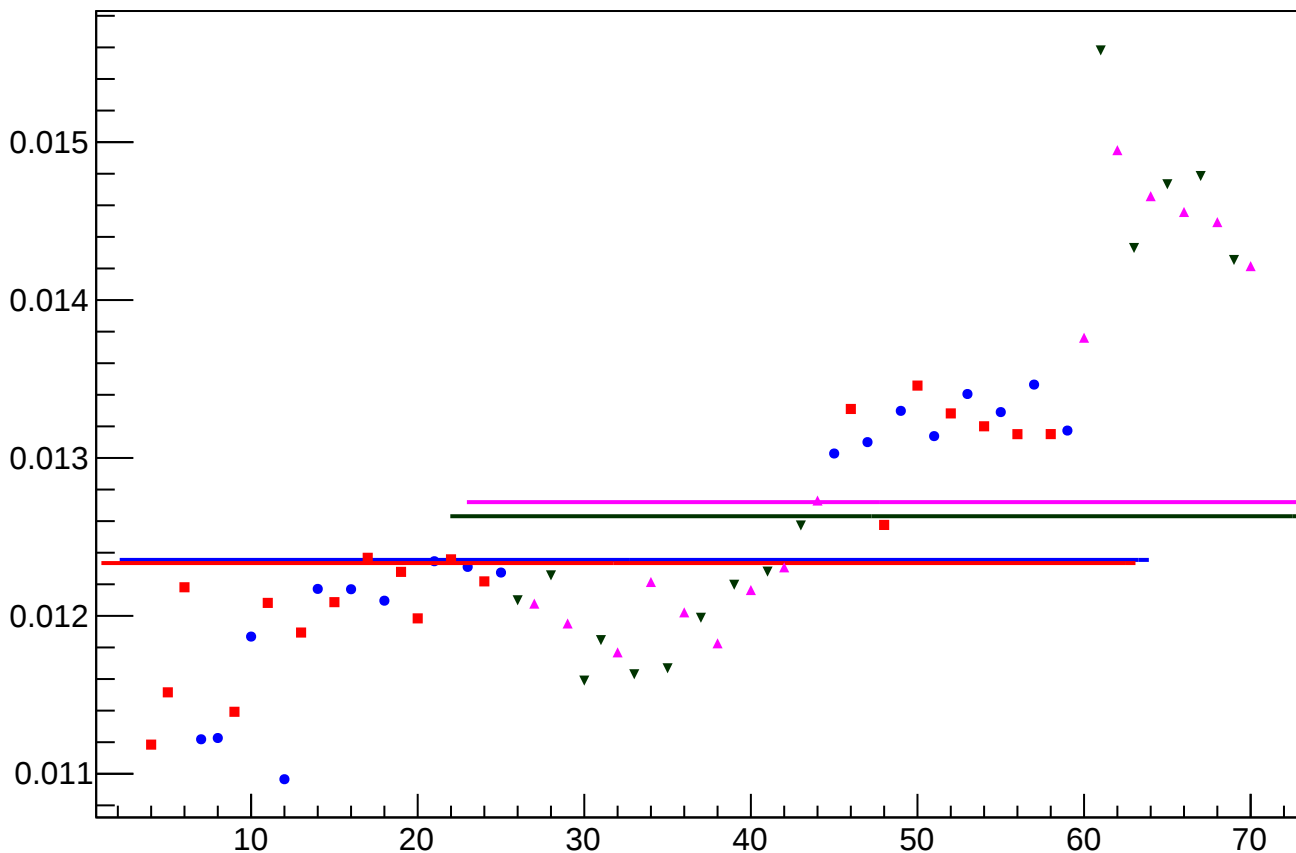
Right Out: -3.297+/-0.000 χ^2/NDF : 819050975647.4/18

Left In: -3.398+/-0.000 χ^2/NDF : 608903373265.3/14

-3.206+/-0.000 χ^2/NDF : 1501126390231.6/32

-3.342+/-0.000 χ^2/NDF : 1428254256001.2/33

yield_bpm2i02Y_rms vs slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 89844.3/17

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:133880.0/14

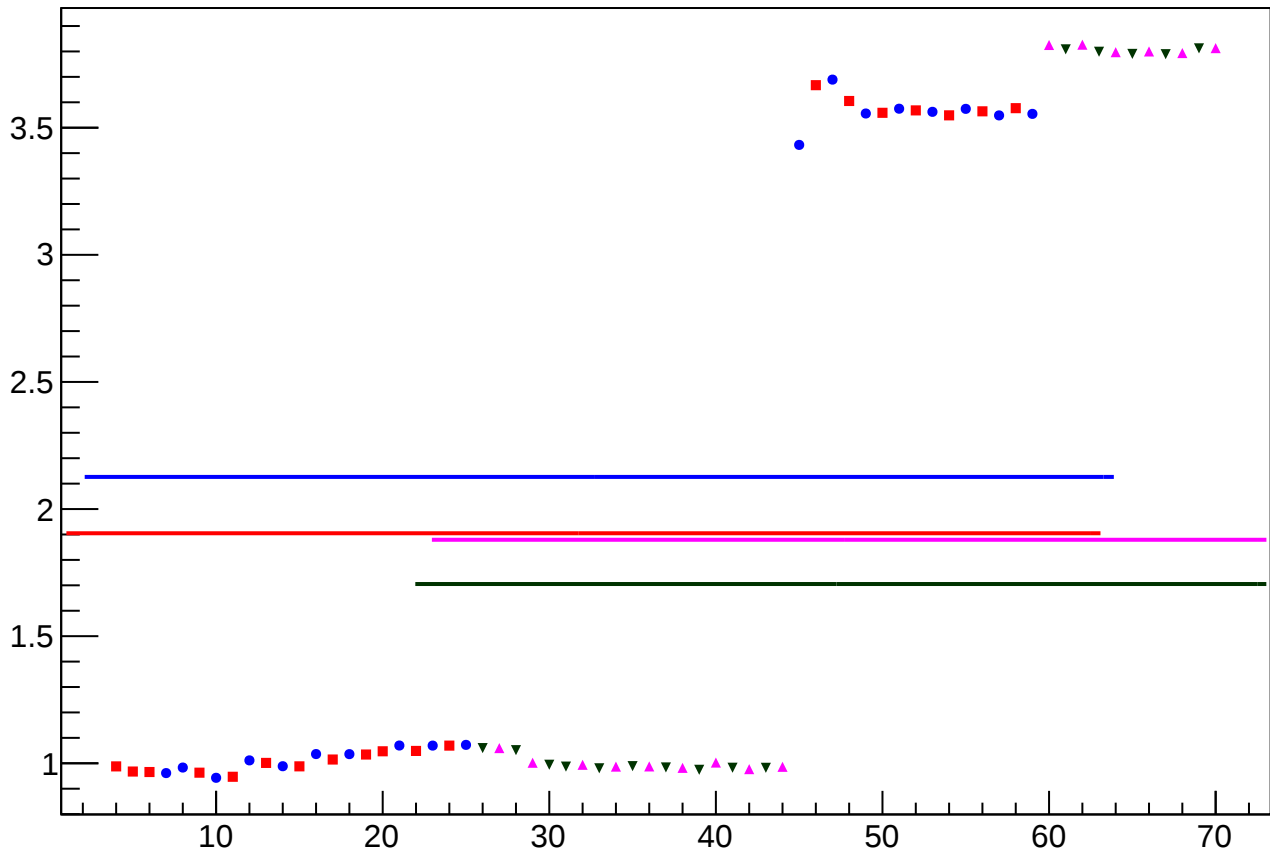
Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 54886.5/18

Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:126656.9/14

0.012 $\pm$ 0.000 χ^2 /NDF: 228174.2/32

0.013 $\pm$ 0.000 χ^2 /NDF: 190278.8/33

yield_bpm1i04X_mean vs slug



Right In: 2.126+/-0.000 χ^2/NDF : 292632575878.4/17

Left Out: 1.705+/-0.000 χ^2/NDF :188022704198.8/14

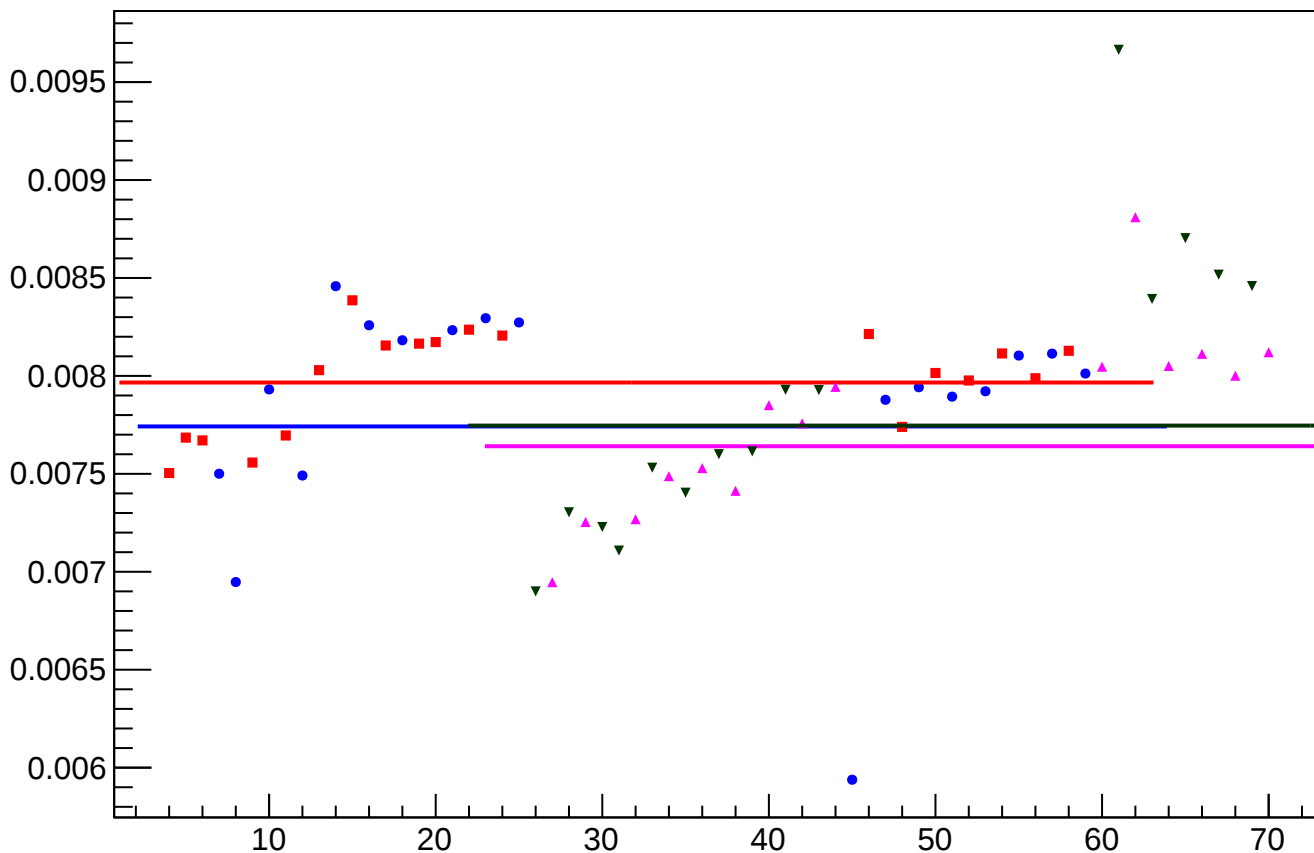
1.954+/-0.000 χ^2/NDF : 494035652211.4/32

Right Out: 1.905+/-0.000 χ^2/NDF : 236022966001.2/18

1.892+/-0.000 χ^2/NDF : 484918572948.3/33

Left In: 1.879+/-0.000 χ^2/NDF :248846083530.0/14

yield_bpm1i04X_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 178907.2/17

Left Out: 0.008+/-0.000 χ^2/NDF :100861.9/14

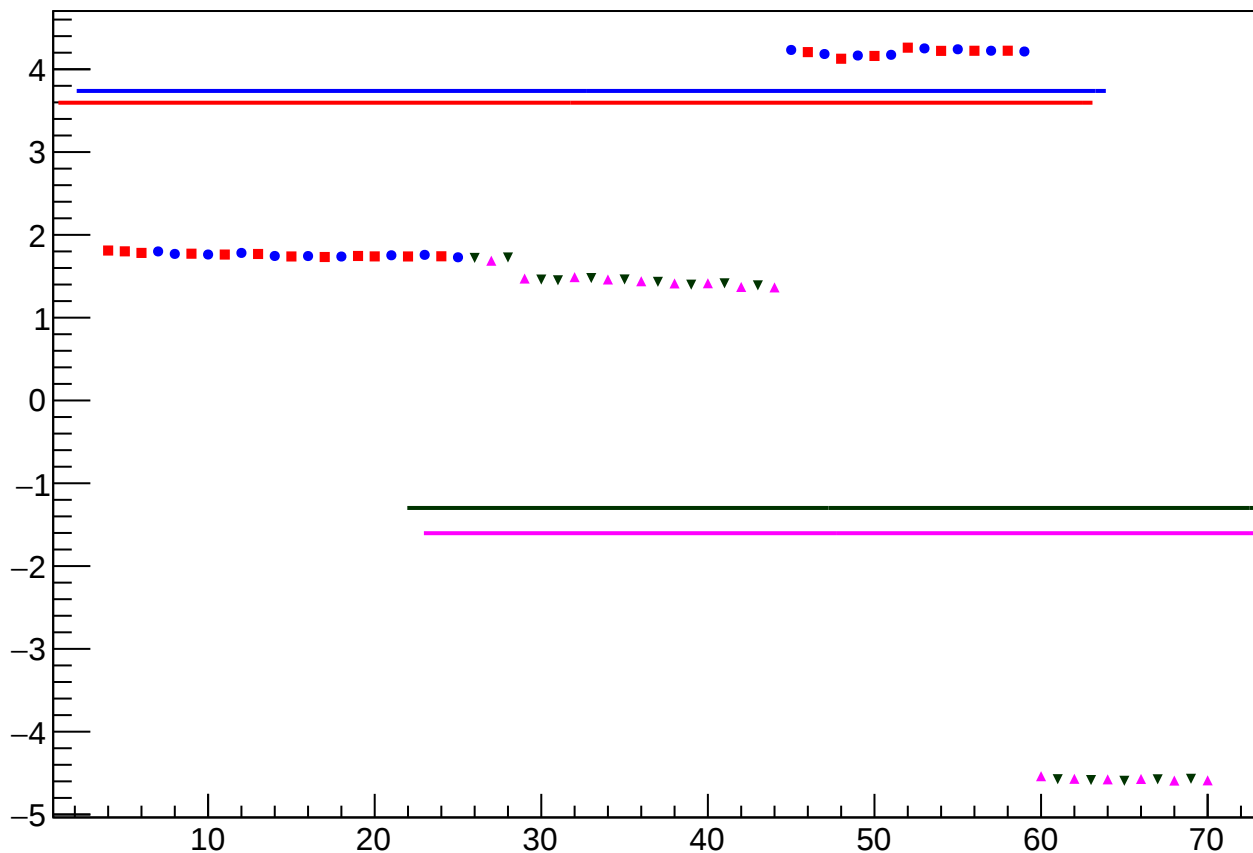
Right Out: 0.008+/-0.000 χ^2/NDF : 20073.5/18

Left In: 0.008+/-0.000 χ^2/NDF :60581.5/14

0.008+/-0.000 χ^2/NDF : 279771.8/32

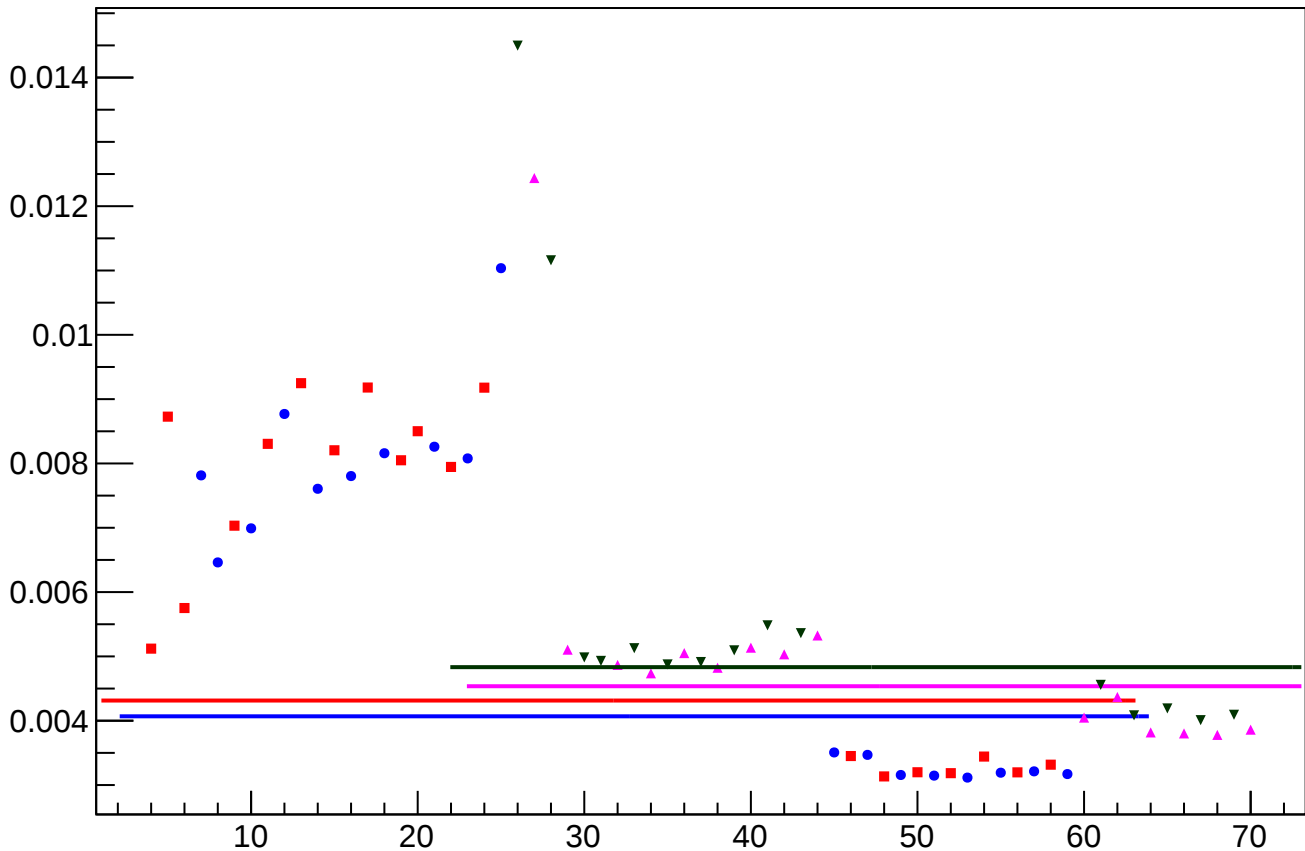
0.008+/-0.000 χ^2/NDF : 96650.1/33

yield_bpm1i04Y_mean vs slug



Right In: 3.738+/-0.000	χ^2/NDF : 502669373965.6/17	1.966+/-0.000	χ^2/NDF : 7961506115841.8/32
Left Out: -1.298+/-0.000	χ^2/NDF : 2642508671488.7/14		
Right Out: 3.596+/-0.000	χ^2/NDF : 468031292414.6/18	1.126+/-0.000	χ^2/NDF : 9315371623179.7/33
Left In: -1.603+/-0.000	χ^2/NDF : 3445876041463.0/14		

yield_bpm1i04Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 3401724.5/17

Left Out: 0.005+/-0.000 χ^2/NDF :993248.3/14

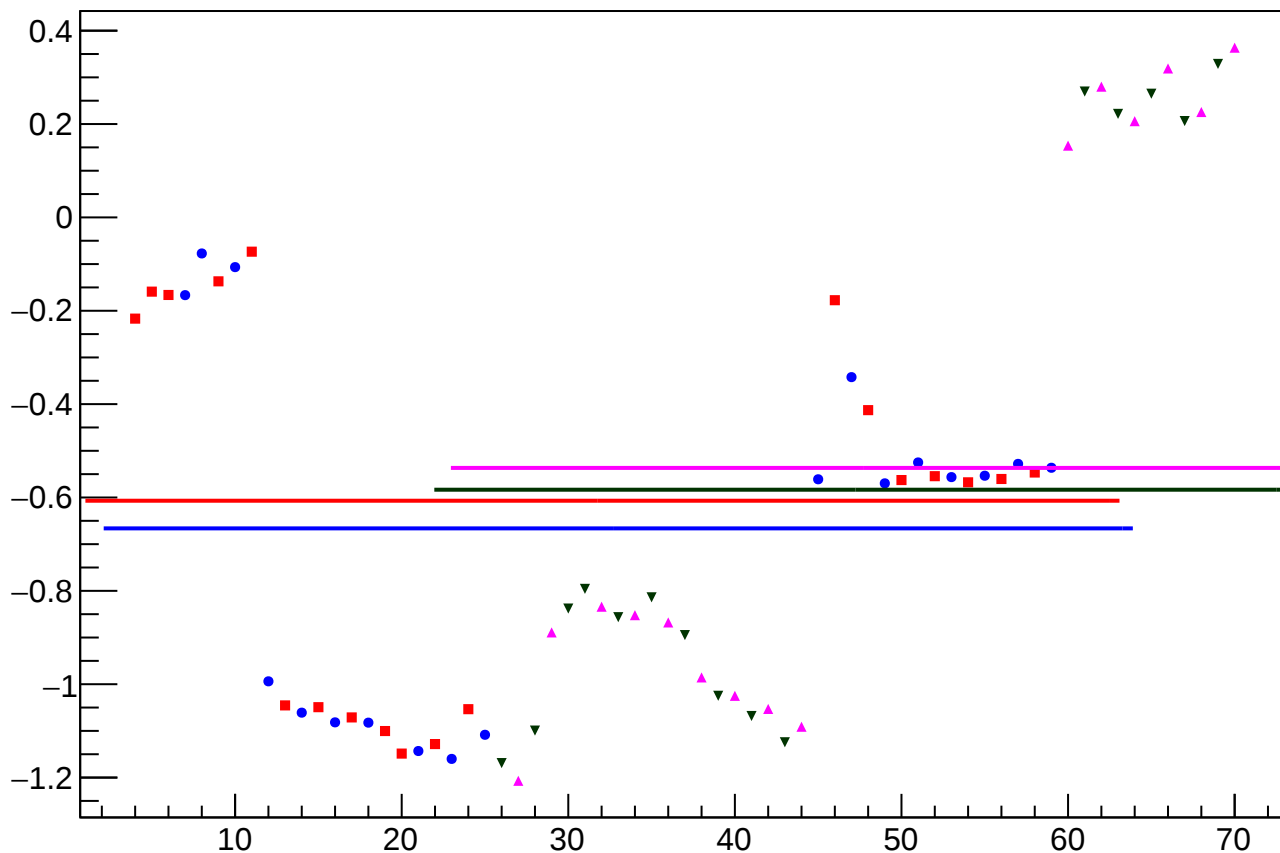
Right Out: 0.004+/-0.000 χ^2/NDF : 3241260.9/18

Left In: 0.005+/-0.000 χ^2/NDF :831156.3/14

0.004+/-0.000 χ^2/NDF : 4616882.5/32

0.004+/-0.000 χ^2/NDF : 4092180.9/33

yield_bpm0l01X_mean vs slug



Right In: -0.666+/-0.000 χ^2/NDF : 19135534349.5/17

Left Out: -0.583+/-0.000 χ^2/NDF : 30660414371.8/14

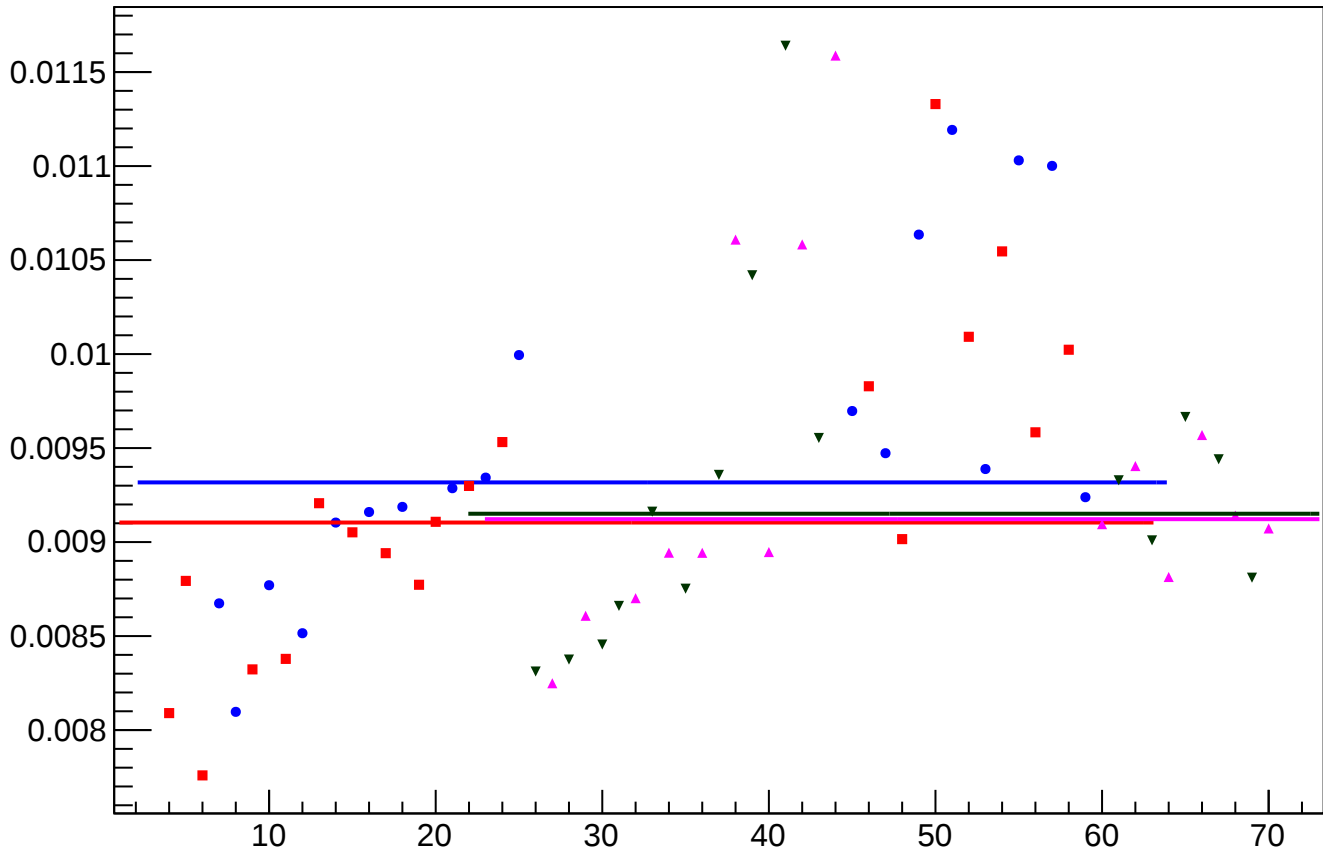
-0.632+/-0.000 χ^2/NDF : 50156876659.4/32

Right Out: -0.607+/-0.000 χ^2/NDF : 19217252419.4/18

-0.574+/-0.000 χ^2/NDF : 56522018318.9/33

Left In: -0.537+/-0.000 χ^2/NDF : 37034932296.1/14

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 :110080.9/14

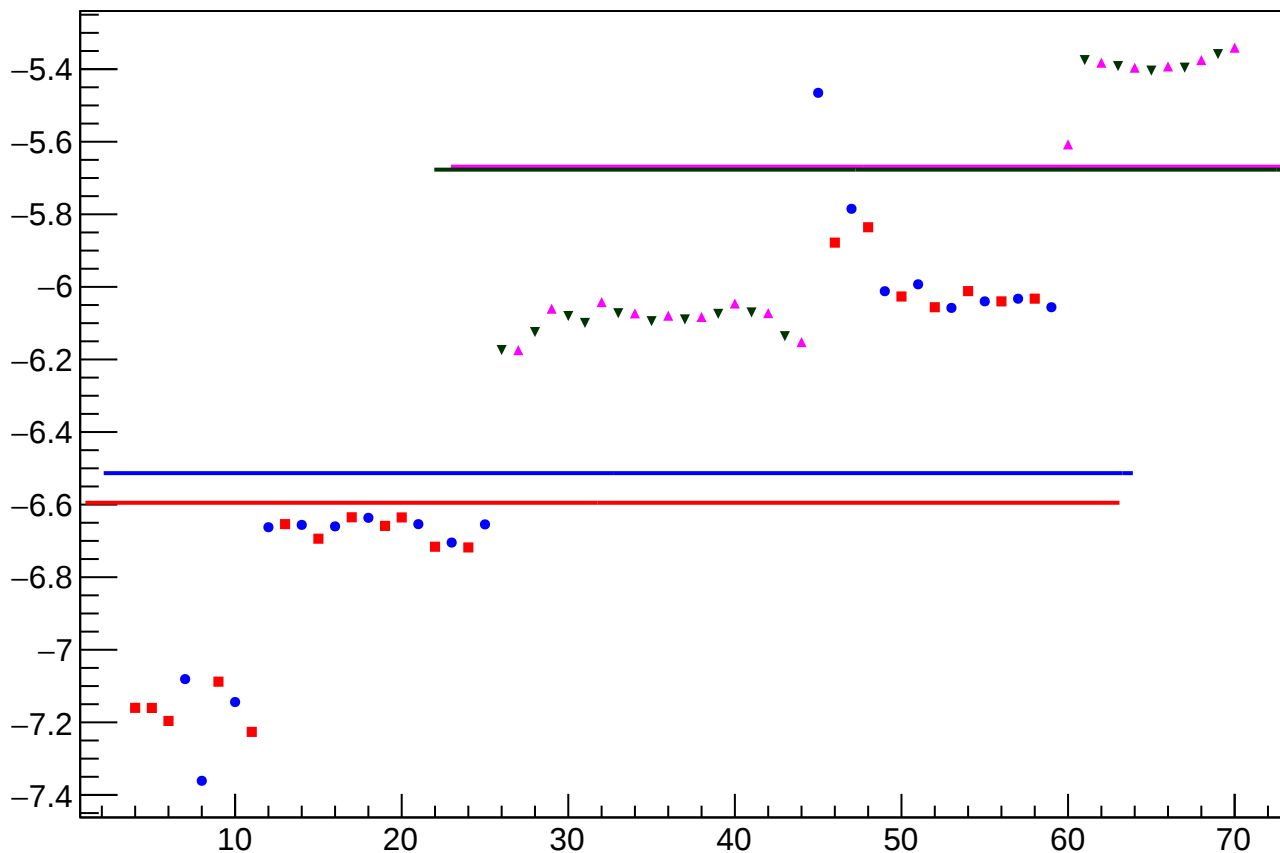
Right Out: 0.009+/-0.000 χ^2/NDF : 159092.9/18

Left In: 0.009+/-0.000 χ^2/NDF :120147.6/14

0.009+/-0.000 χ^2/NDF : 278774.3/32

0.009+/-0.000 χ^2/NDF : 279275.2/33

yield_bpm0l01Y_mean vs slug



Right In: -6.513 ± 0.000 χ^2/NDF : 34103178286.6/17

Left Out: -5.677 ± 0.000 χ^2/NDF : 16737083242.8/14

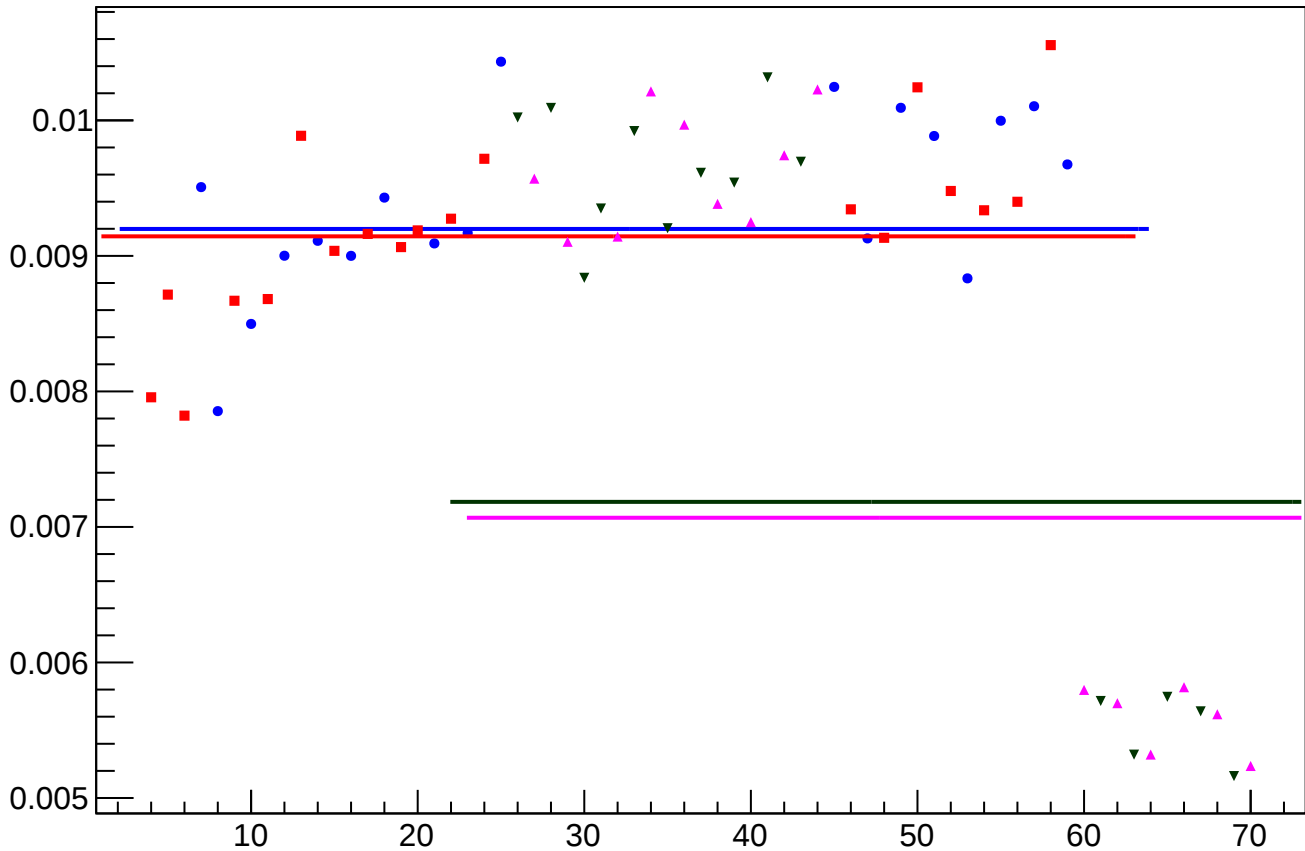
Right Out: -6.595 ± 0.000 χ^2/NDF : 25777696502.6/18

Left In: -5.669 ± 0.000 χ^2/NDF : 17774453958.3/14

-6.084 ± 0.000 χ^2/NDF : 96774392886.0/32

-6.056 ± 0.000 χ^2/NDF : 100366611752.1/33

yield_bpm0l01Y_rms vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 120528.1/17

Left Out: 0.007+/-0.000 χ^2/NDF :1150294.4/14

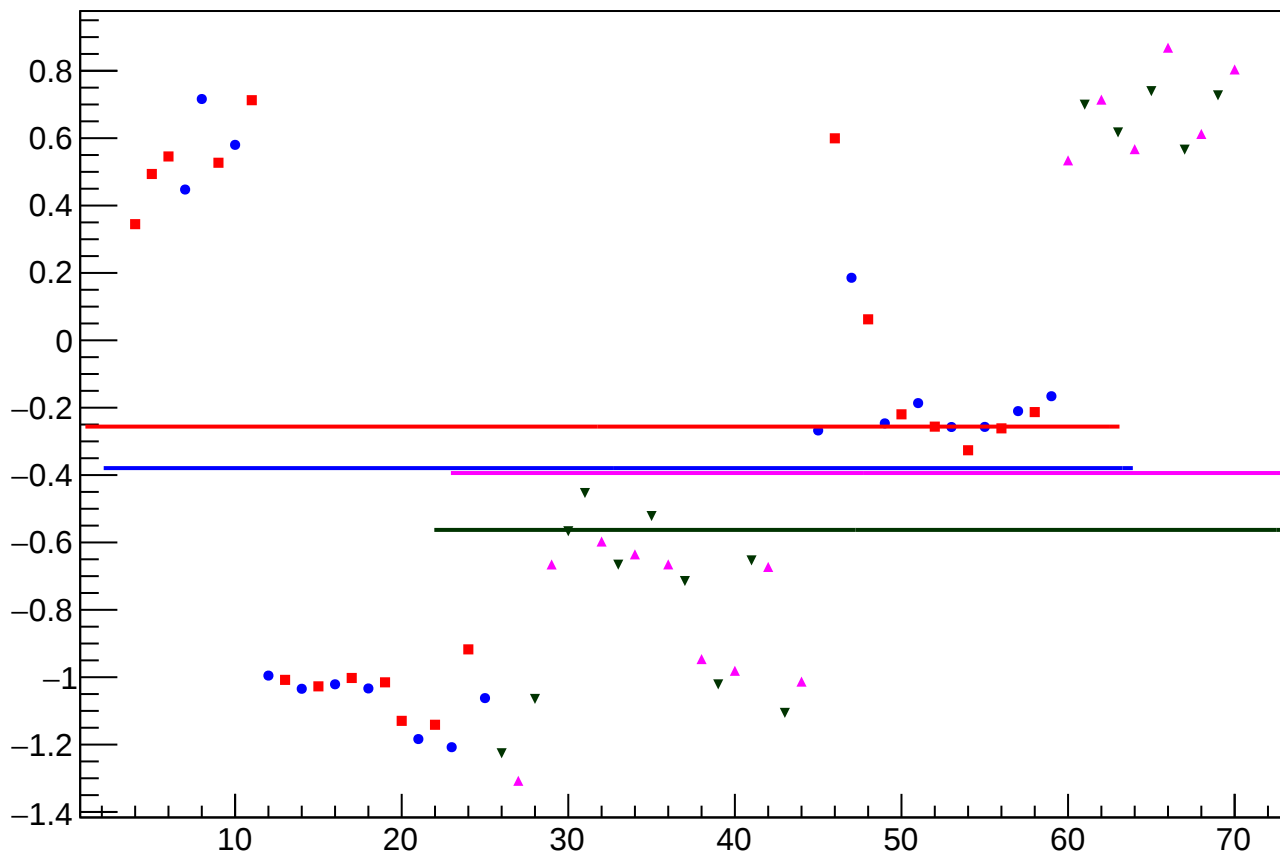
Right Out: 0.009+/-0.000 χ^2/NDF : 101222.8/18

Left In: 0.007+/-0.000 χ^2/NDF :1203326.0/14

0.008+/-0.000 χ^2/NDF : 1803466.4/32

0.008+/-0.000 χ^2/NDF : 1875783.6/33

yield_bpm0l02X_mean vs slug



Right In: -0.379 ± 0.000 χ^2/NDF : 10136750548.1/17

Left Out: -0.563 ± 0.000 χ^2/NDF : 16278079113.0/14

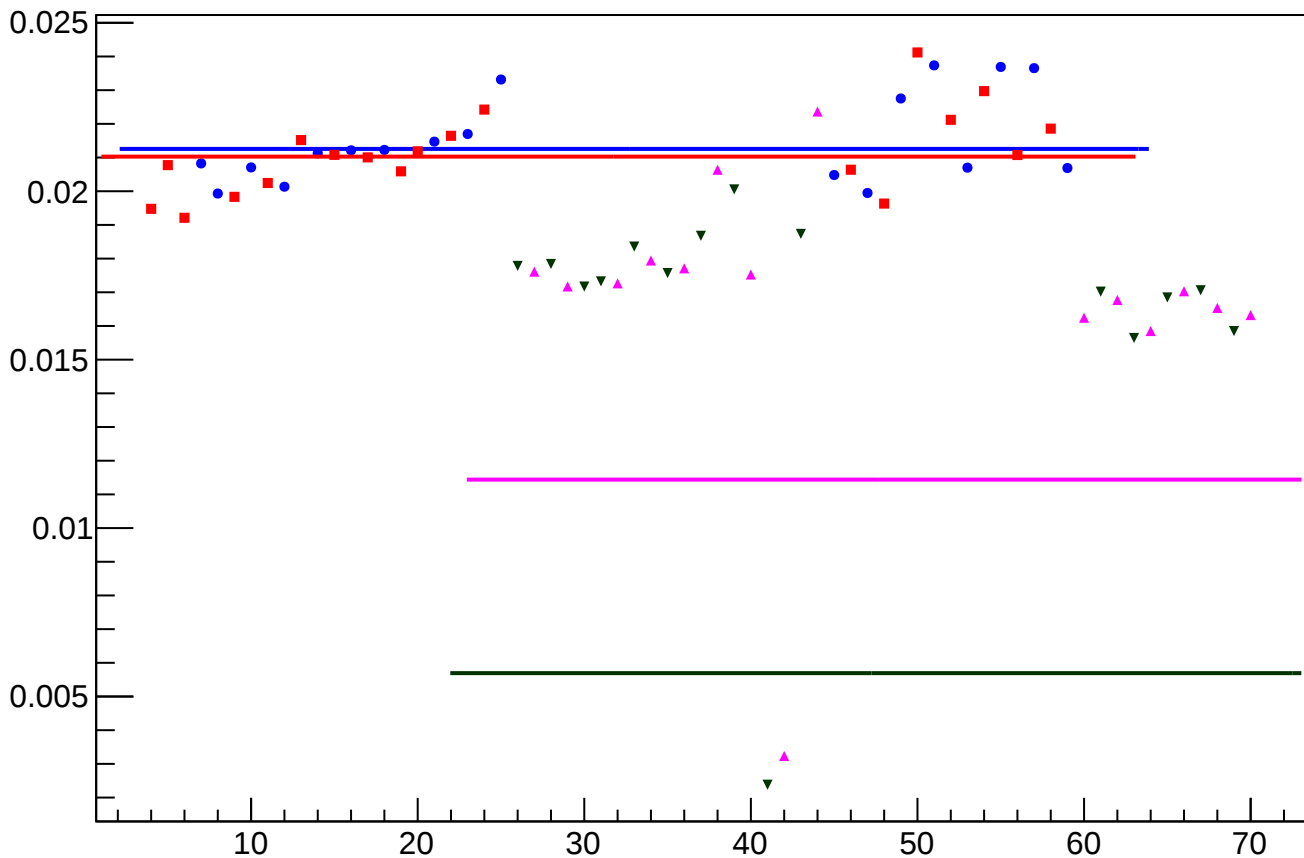
Right Out: -0.256 ± 0.000 χ^2/NDF : 10103342122.6/18

Left In: -0.394 ± 0.000 χ^2/NDF : 18830100529.0/14

-0.528 ± 0.000 χ^2/NDF : 27081678742.9/32

-0.349 ± 0.000 χ^2/NDF : 29216600212.7/33

yield_bpm0l02X_rms vs slug



Right In: 0.021 $\pm$ 0.000 χ^2 /NDF: 64142.6/17

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 8270651.4/14

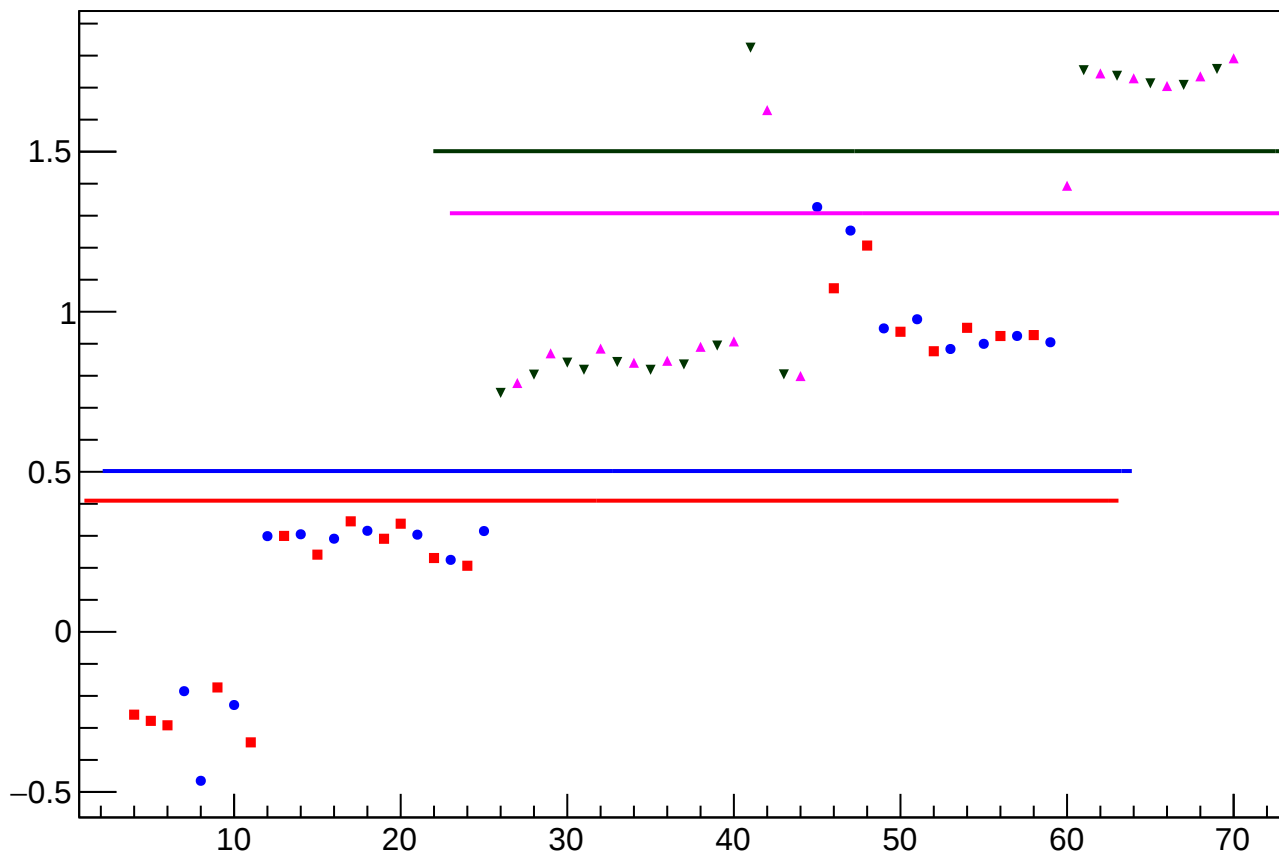
Right Out: 0.021 $\pm$ 0.000 χ^2 /NDF: 62886.6/18

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 4575811.3/14

0.009 $\pm$ 0.000 χ^2 /NDF: 17933366.2/32

0.015 $\pm$ 0.000 χ^2 /NDF: 7379892.2/33

yield_bpm0l02Y_mean vs slug



Right In: 0.502 ± 0.000 χ^2/NDF : 19155654908.3/17

Left Out: 1.502 ± 0.000 χ^2/NDF : 21997064643.5/14

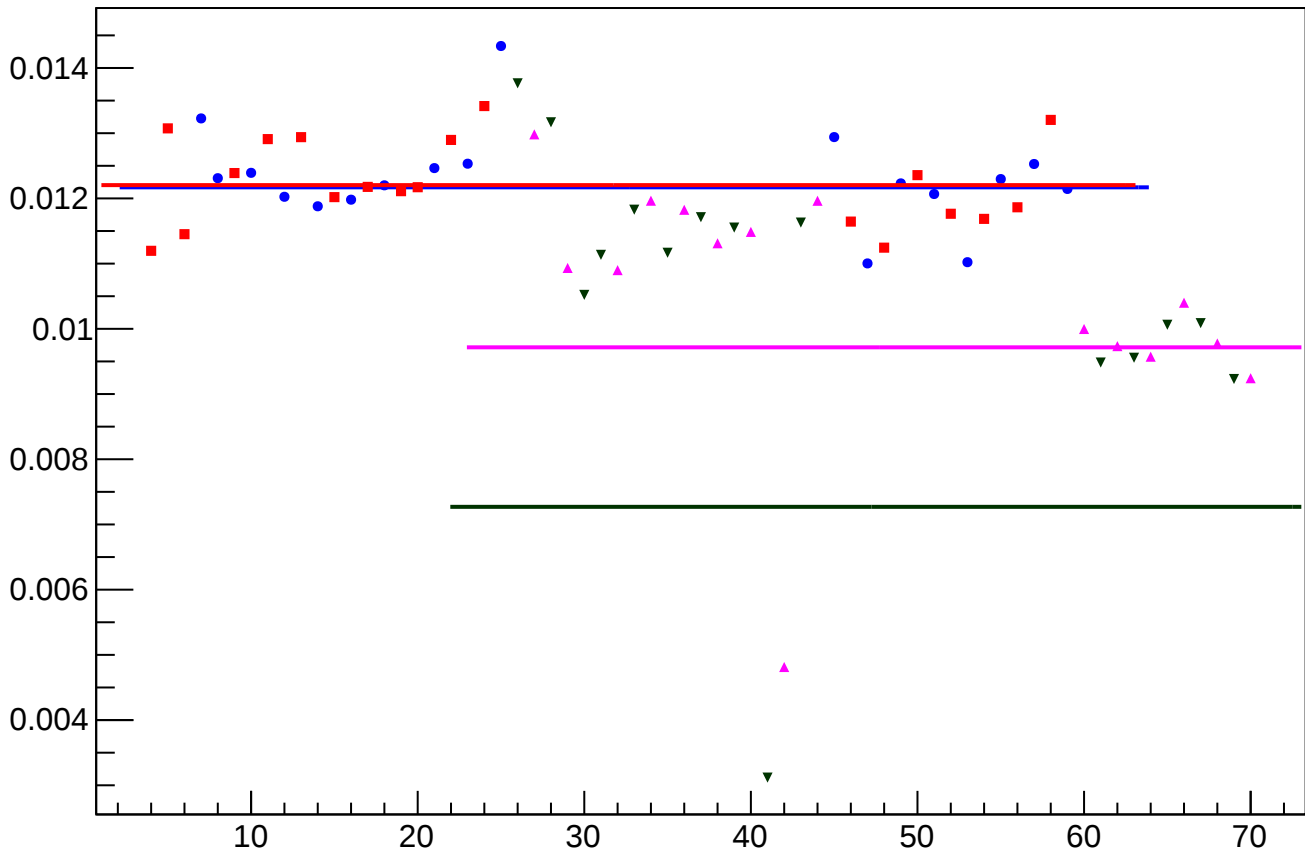
Right Out: 0.410 ± 0.000 χ^2/NDF : 16439315084.0/18

Left In: 1.308 ± 0.000 χ^2/NDF : 14374715351.6/14

1.101 ± 0.000 χ^2/NDF : 85369954925.6/32

0.917 ± 0.000 χ^2/NDF : 60252700470.2/33

yield_bpm0l02Y_rms vs slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 45604.3/17

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:3449055.7/14

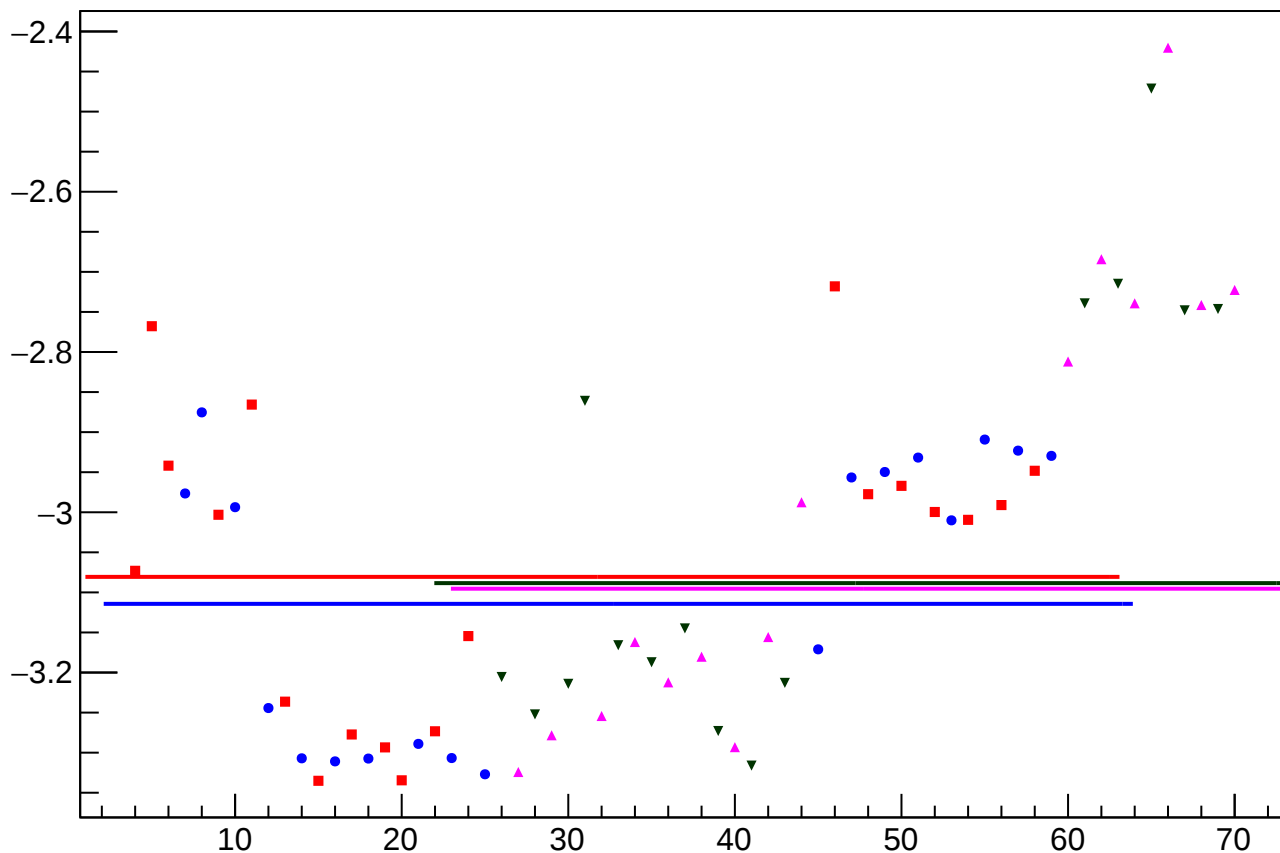
0.009 $\pm$ 0.000 χ^2 /NDF: 5621431.5/32

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 53181.0/18

0.011 $\pm$ 0.000 χ^2 /NDF: 1492751.9/33

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:987573.2/14

yield_bpm0l03X_mean vs slug



Right In: -3.114+/-0.000 χ^2/NDF : 4627659924.1/17

Left Out: -3.088+/-0.000 χ^2/NDF : 7630744367.7/14

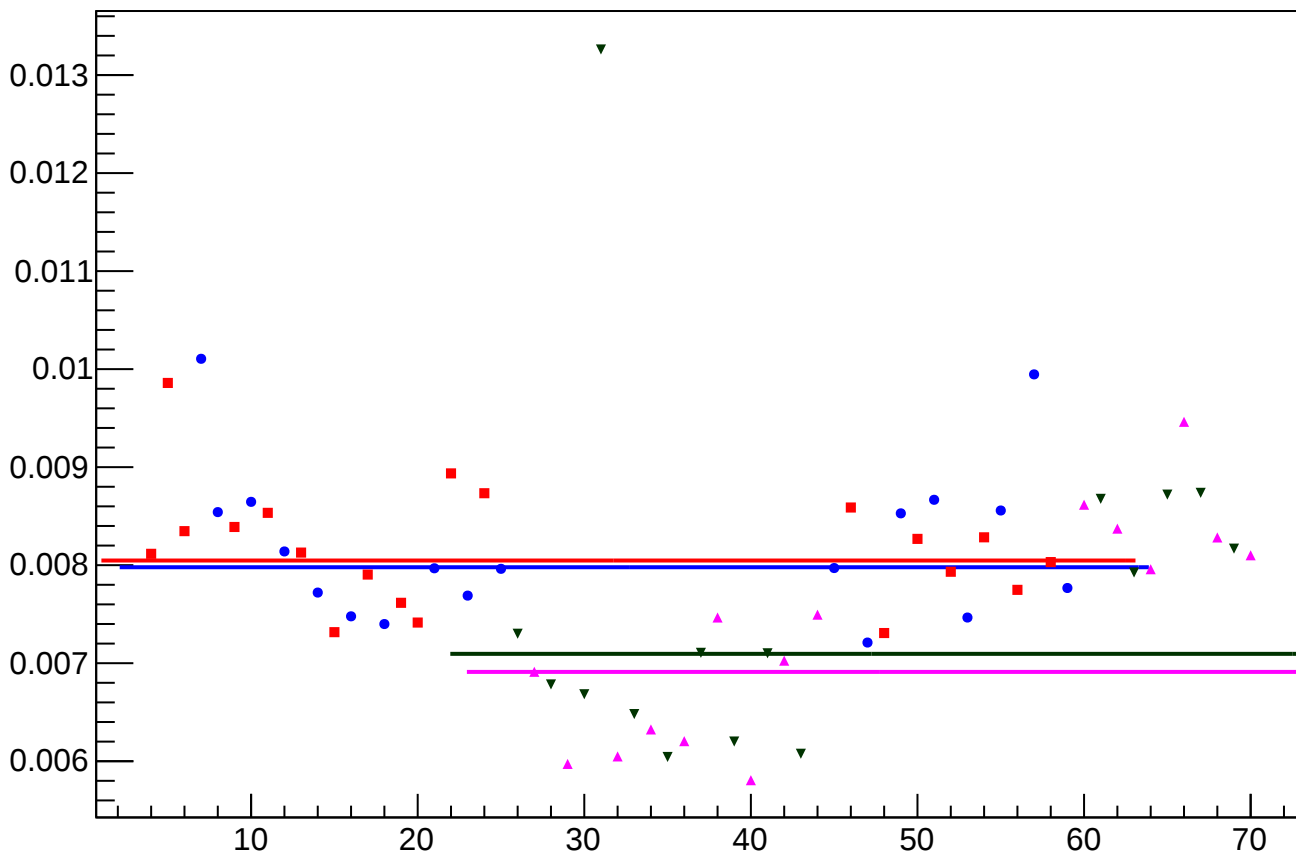
Right Out: -3.081+/-0.000 χ^2/NDF : 3839311184.0/18

Left In: -3.095+/-0.000 χ^2/NDF : 9925959764.1/14

-3.102+/-0.000 χ^2/NDF : 12305430139.8/32

-3.089+/-0.000 χ^2/NDF : 13780837093.3/33

yield_bpm0l03X_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 95241.7/17

Left Out: 0.007+/-0.000 χ^2/NDF : 327810.4/14

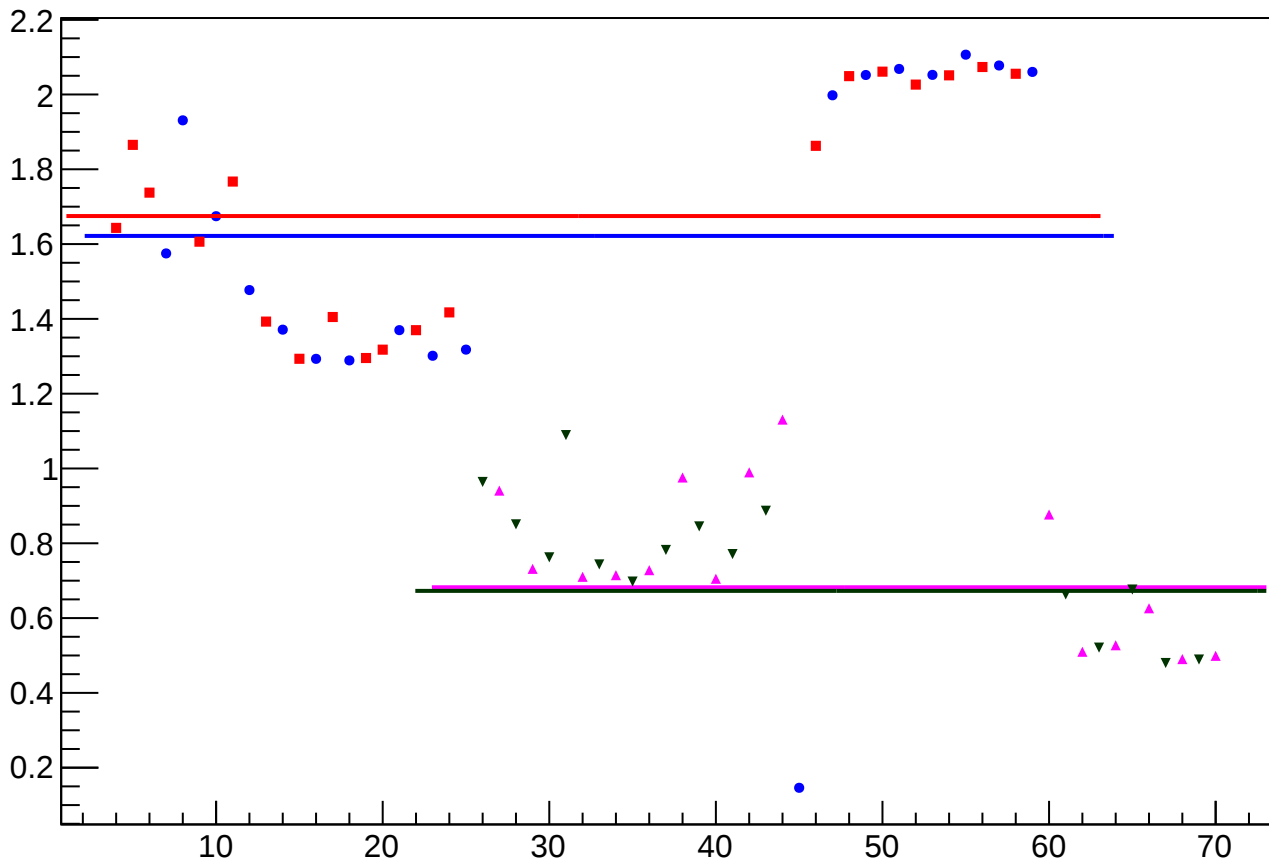
Right Out: 0.008+/-0.000 χ^2/NDF : 57509.8/18

Left In: 0.007+/-0.000 χ^2/NDF : 331190.2/14

0.008+/-0.000 χ^2/NDF : 532736.2/32

0.007+/-0.000 χ^2/NDF : 573079.6/33

yield_bpm0l03Y_mean vs slug



Right In: 1.622 $\pm$ 0.000 χ^2/NDF : 26006902897.9/17

Left Out: 0.673 $\pm$ 0.000 χ^2/NDF : 2723442831.5/14

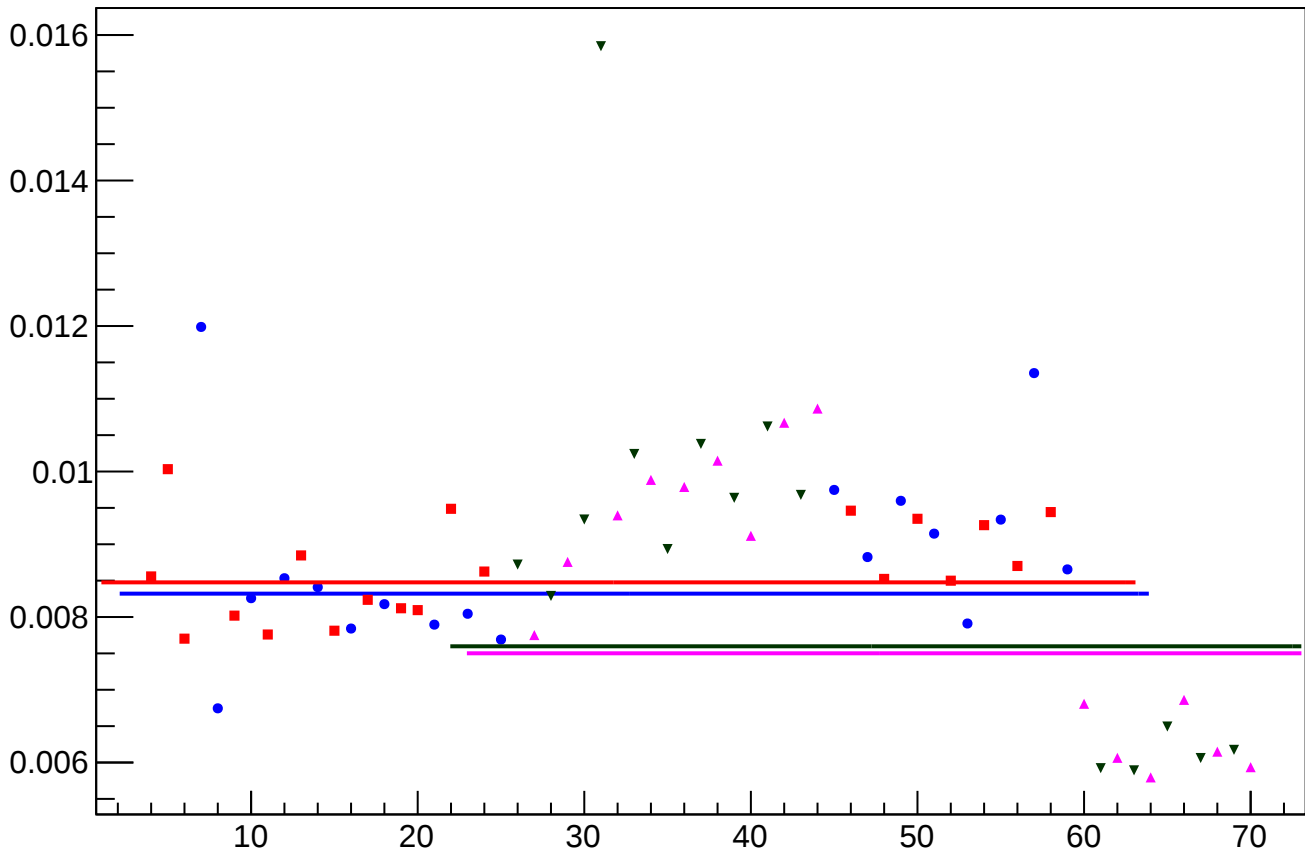
1.197 $\pm$ 0.000 χ^2/NDF : 83256243974.5/32

Right Out: 1.675 $\pm$ 0.000 χ^2/NDF : 9809193440.2/18

1.143 $\pm$ 0.000 χ^2/NDF : 74184568639.5/33

Left In: 0.682 $\pm$ 0.000 χ^2/NDF : 4323153141.0/14

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 : 793248.9/14

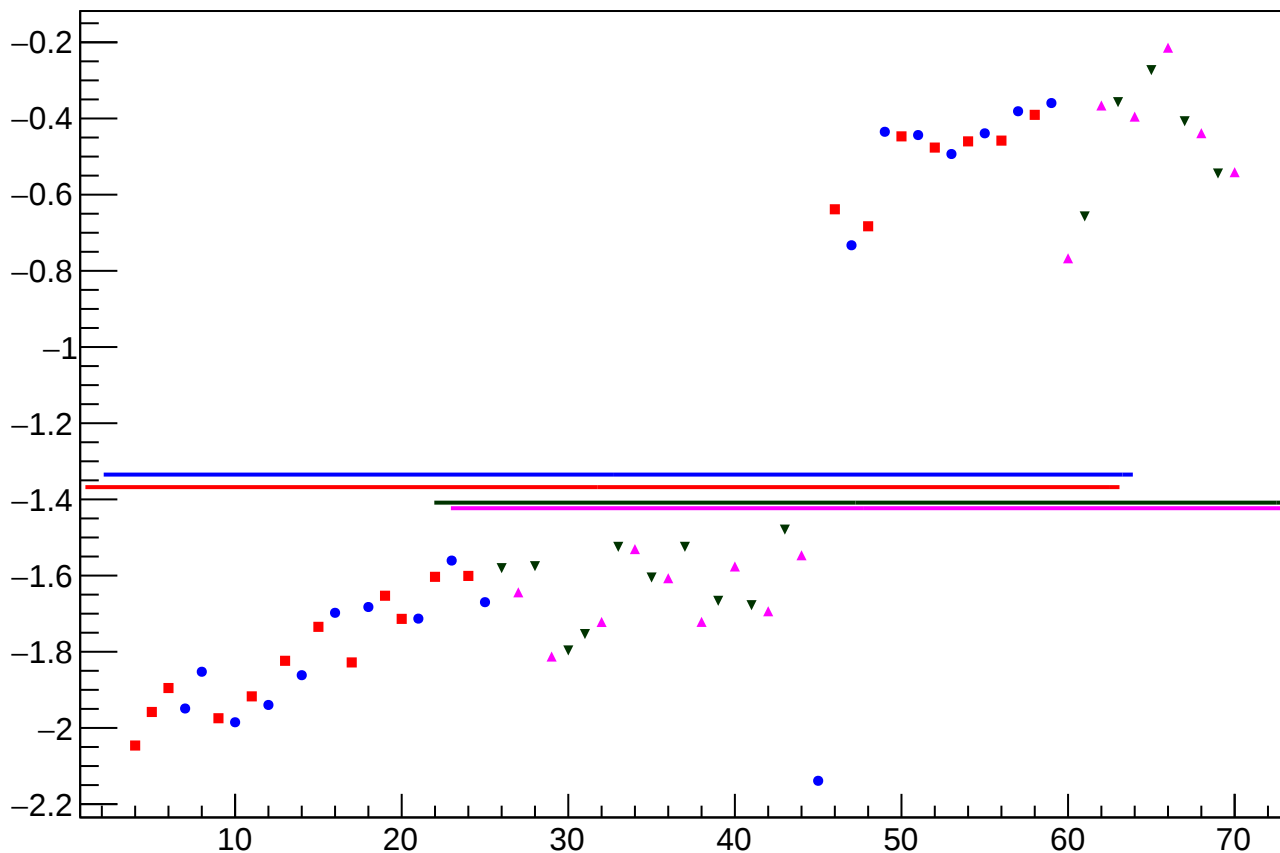
Right Out: 0.008+/-0.000 χ^2/NDF : 80155.6/18

Left In: 0.008+/-0.000 χ^2/NDF : 708759.6/14

0.008+/-0.000 χ^2/NDF : 1087939.6/32

0.008+/-0.000 χ^2/NDF : 904807.2/33

yield_bpm0l04X_mean vs slug



Right In: -1.335+/-0.000 χ^2/NDF : 38397269291.9/17

Left Out: -1.409+/-0.000 χ^2/NDF : 9227198199.8/14

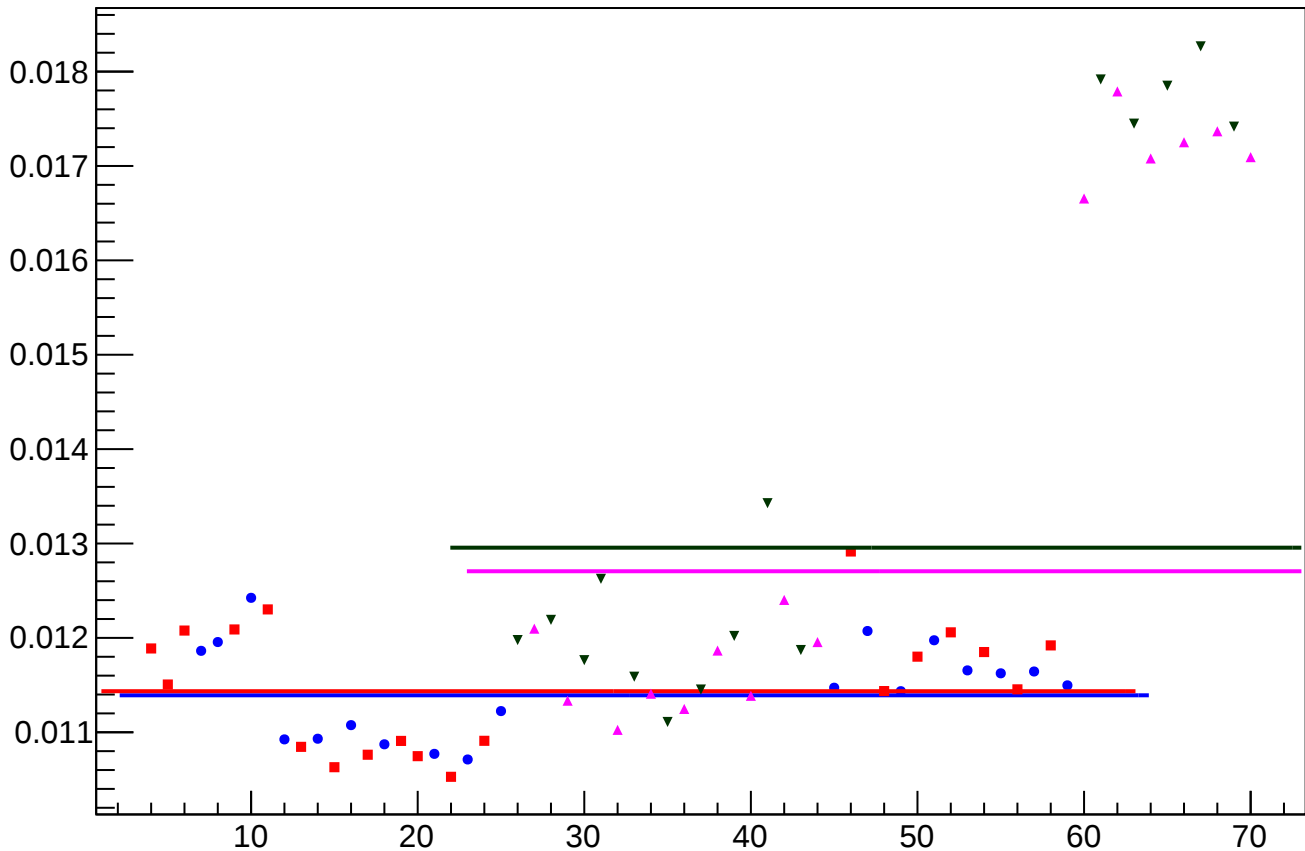
Right Out: -1.368+/-0.000 χ^2/NDF : 29057521992.7/18

Left In: -1.423+/-0.000 χ^2/NDF : 12895038359.4/14

-1.360+/-0.000 χ^2/NDF : 47782869513.9/32

-1.391+/-0.000 χ^2/NDF : 42046698625.9/33

yield_bpm0l04X_rms vs slug



Right In: 0.011+/-0.000 χ^2/NDF : 41989.4/17

Left Out: 0.013+/-0.000 χ^2/NDF : 459479.6/14

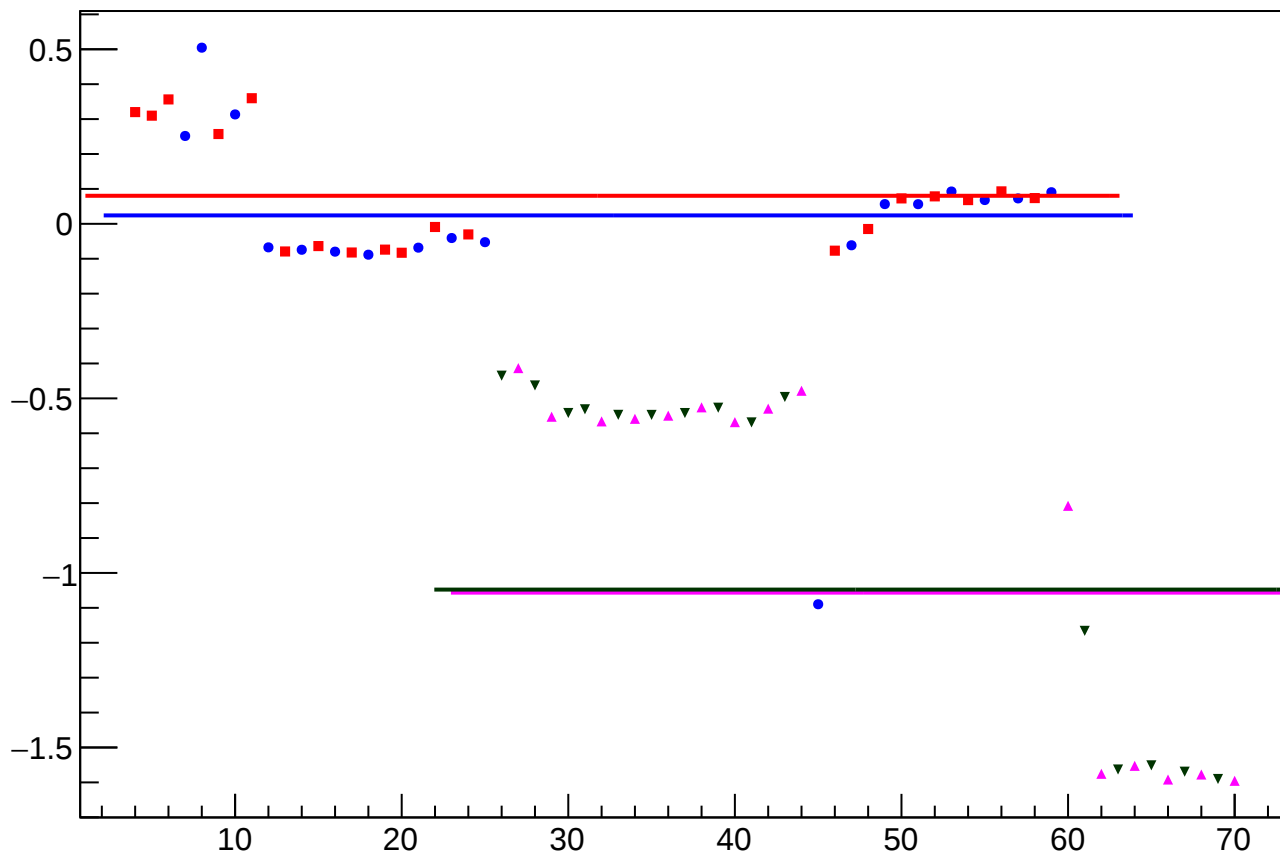
0.012+/-0.000 χ^2/NDF : 644322.8/32

Right Out: 0.011+/-0.000 χ^2/NDF : 65676.1/18

0.012+/-0.000 χ^2/NDF : 710609.4/33

Left In: 0.013+/-0.000 χ^2/NDF : 545705.8/14

yield_bpm0l04Y_mean vs slug



Right In: 0.024+/-0.000 χ^2/NDF : 18234538167.9/17

Left Out: -1.048+/-0.000 χ^2/NDF : 43404985314.3/14

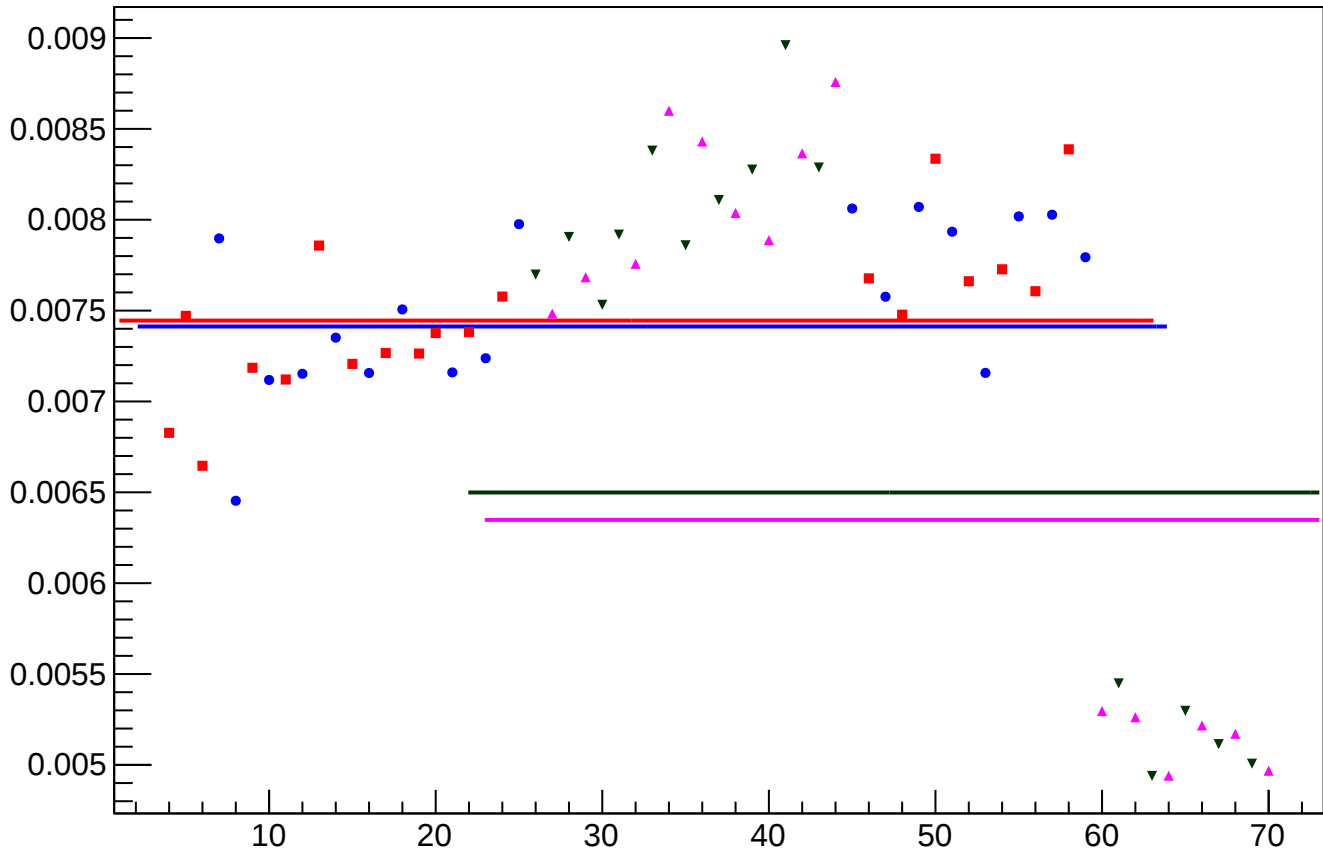
Right Out: 0.080+/-0.000 χ^2/NDF : 4561023053.2/18

Left In: -1.056+/-0.000 χ^2/NDF : 52501885177.4/14

-0.470+/-0.000 χ^2/NDF : 166637331194.3/32

-0.533+/-0.000 χ^2/NDF : 177413511880.2/33

yield_bpm0l04Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 91120.7/17

Left Out: 0.006+/-0.000 χ^2/NDF : 753721.2/14

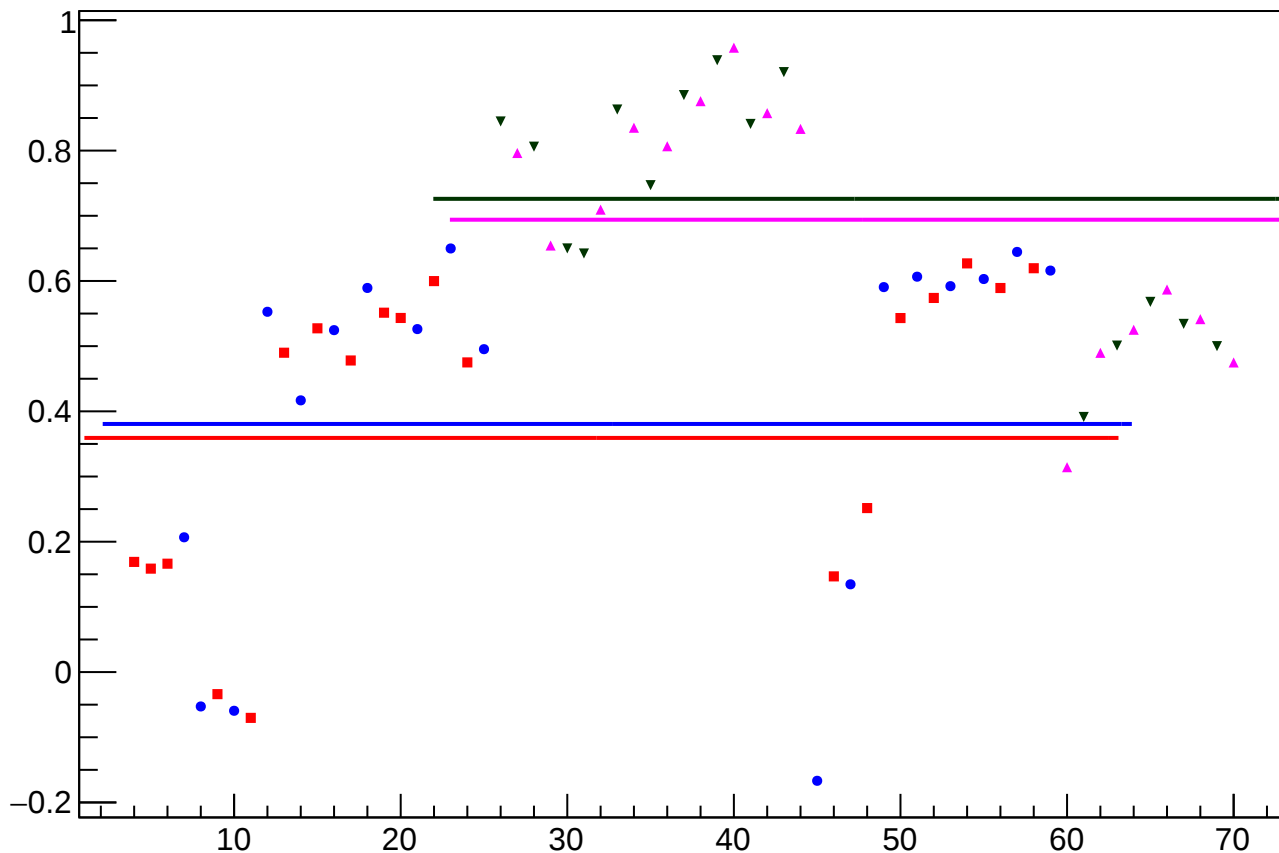
Right Out: 0.007+/-0.000 χ^2/NDF : 61122.7/18

Left In: 0.006+/-0.000 χ^2/NDF : 837291.1/14

0.007+/-0.000 χ^2/NDF : 997361.5/32

0.007+/-0.000 χ^2/NDF : 1122587.7/33

yield_bpm0l05X_mean vs slug



Right In: 0.381 $\pm$ 0.000 χ^2/NDF : 17766233664.3/17

Left Out: 0.726 $\pm$ 0.000 χ^2/NDF : 4038634099.1/14

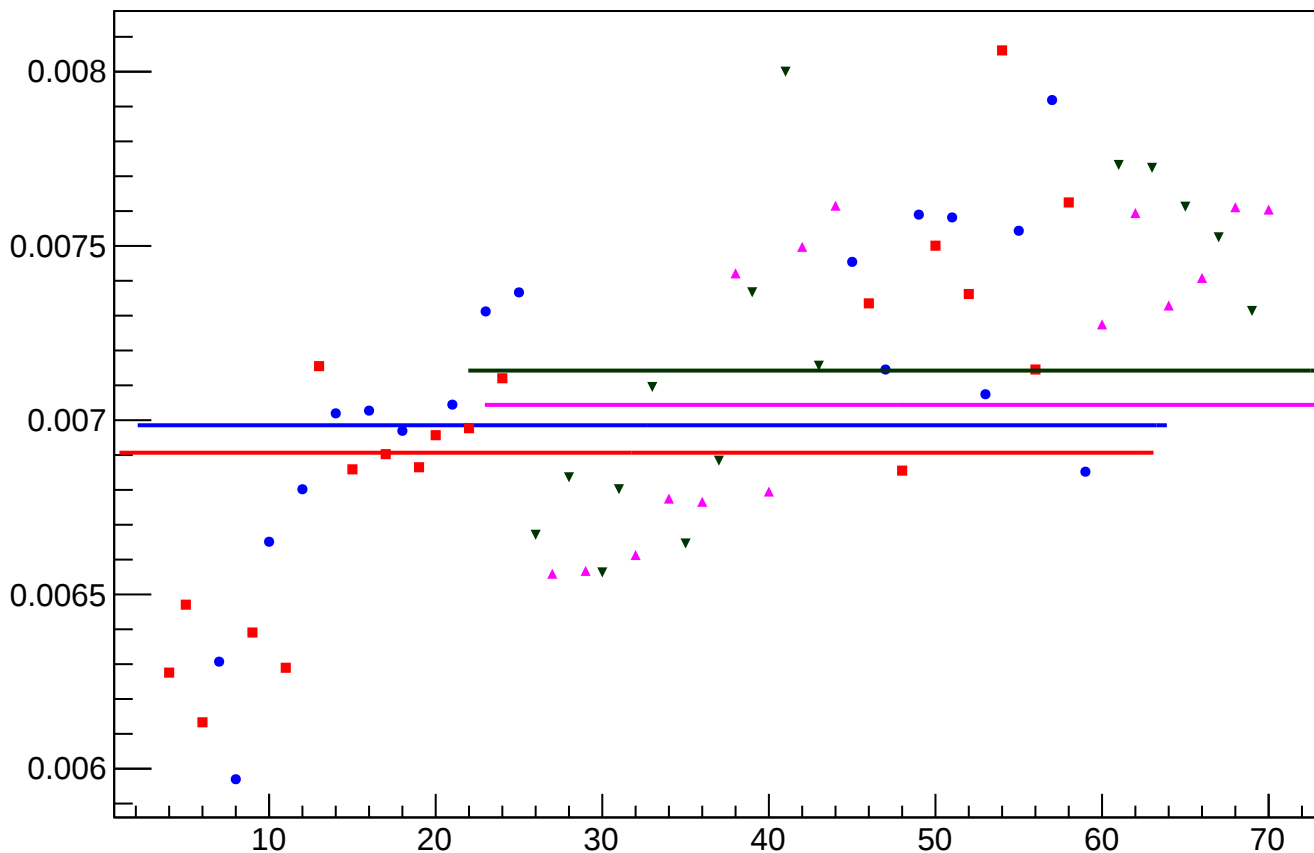
0.519 $\pm$ 0.000 χ^2/NDF : 32513182369.2/32

Right Out: 0.359 $\pm$ 0.000 χ^2/NDF : 11904326957.3/18

0.514 $\pm$ 0.000 χ^2/NDF : 27205126791.6/33

Left In: 0.694 $\pm$ 0.000 χ^2/NDF : 4835849418.8/14

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 : 56632.9/14

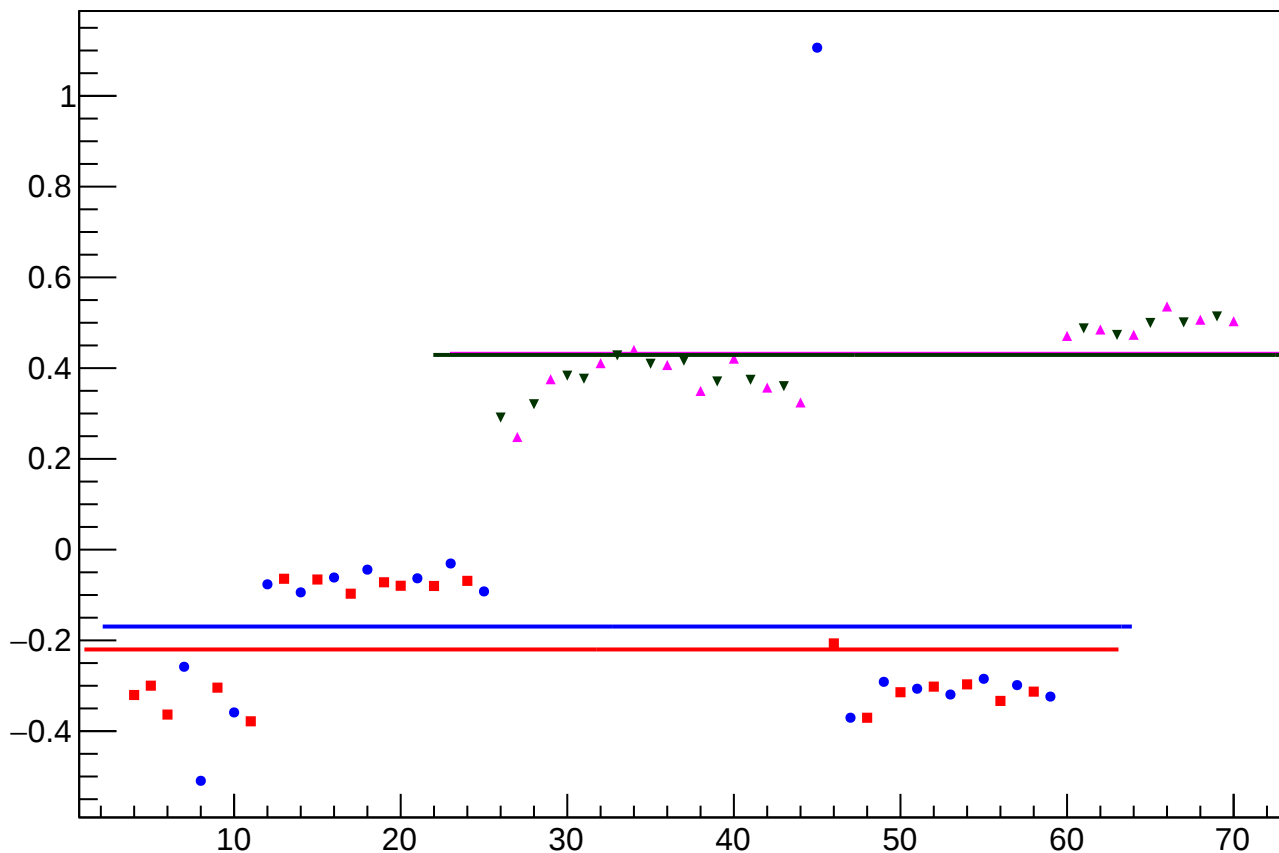
Right Out: 0.007 ± 0.000 χ^2/NDF : 97555.6/18

Left In: 0.007 ± 0.000 χ^2/NDF : 63350.6/14

0.007 ± 0.000 χ^2/NDF : 168206.5/32

0.007 ± 0.000 χ^2/NDF : 164424.3/33

yield_bpm0l05Y_mean vs slug



Right In: -0.169+/-0.000 χ^2/NDF : 37135565875.9/17

Left Out: 0.429+/-0.000 χ^2/NDF :1401309017.6/14

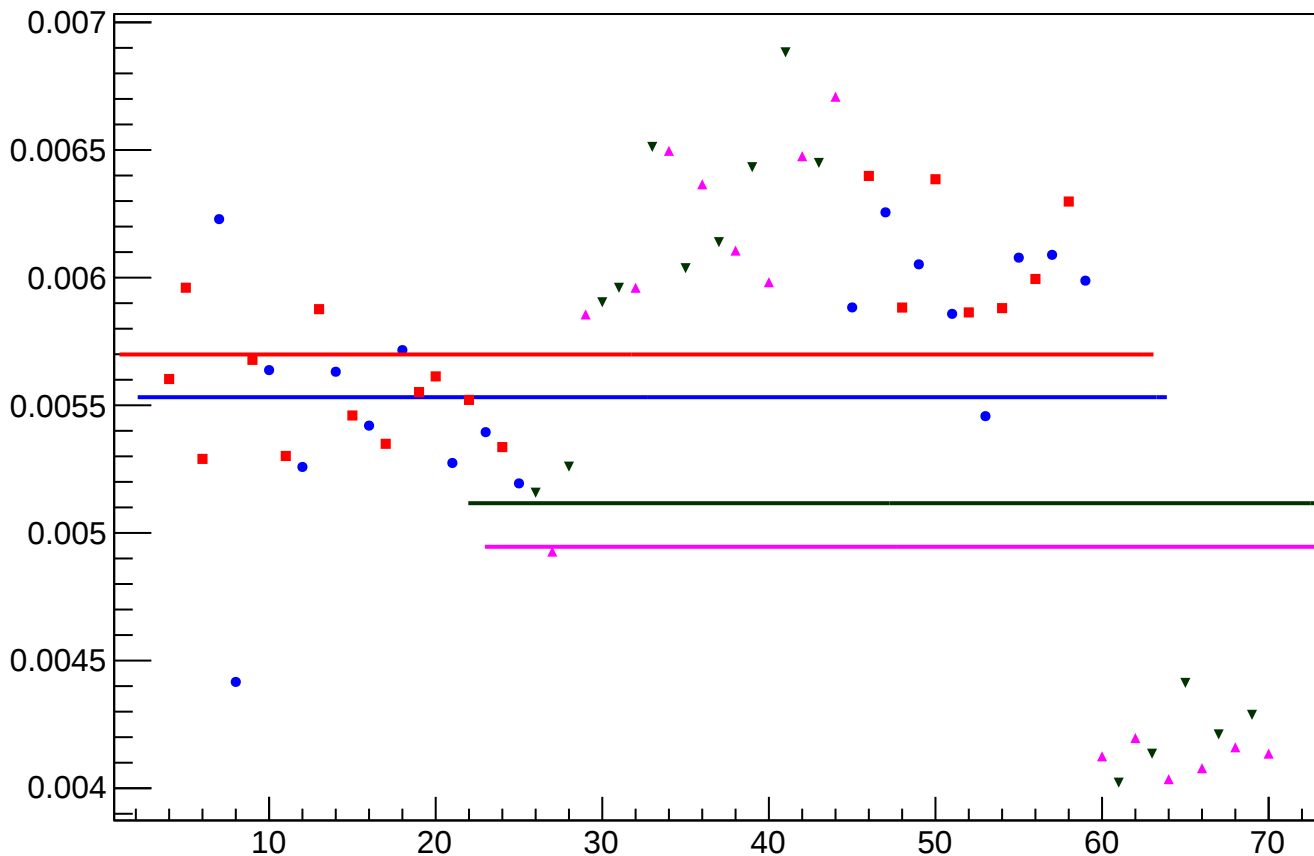
0.093+/-0.000 χ^2/NDF : 93922052273.9/32

Right Out: -0.220+/-0.000 χ^2/NDF : 4721801975.9/18

0.128+/-0.000 χ^2/NDF : 73421628762.7/33

Left In: 0.432+/-0.000 χ^2/NDF :2349627737.0/14

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: 519655.4/14

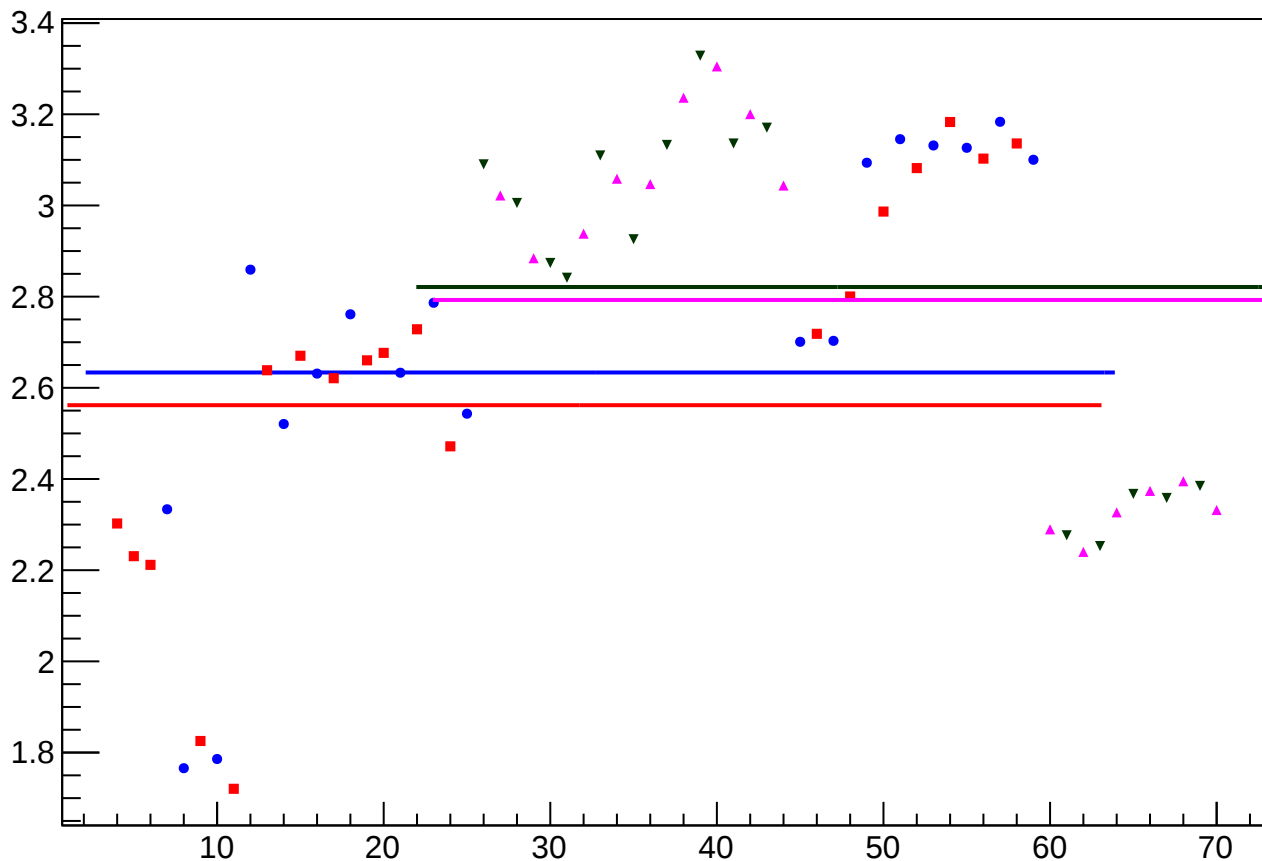
Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 66415.4/18

Left In: 0.005 $\pm$ 0.000 χ^2 /NDF: 631031.3/14

0.005 $\pm$ 0.000 χ^2 /NDF: 759945.1/32

0.005 $\pm$ 0.000 χ^2 /NDF: 874792.3/33

yield_bpm0l06X_mean vs slug



Right In: 2.634+/-0.000 χ^2/NDF : 15879791998.3/17

Left Out: 2.821+/-0.000 χ^2/NDF :10652281535.0/14

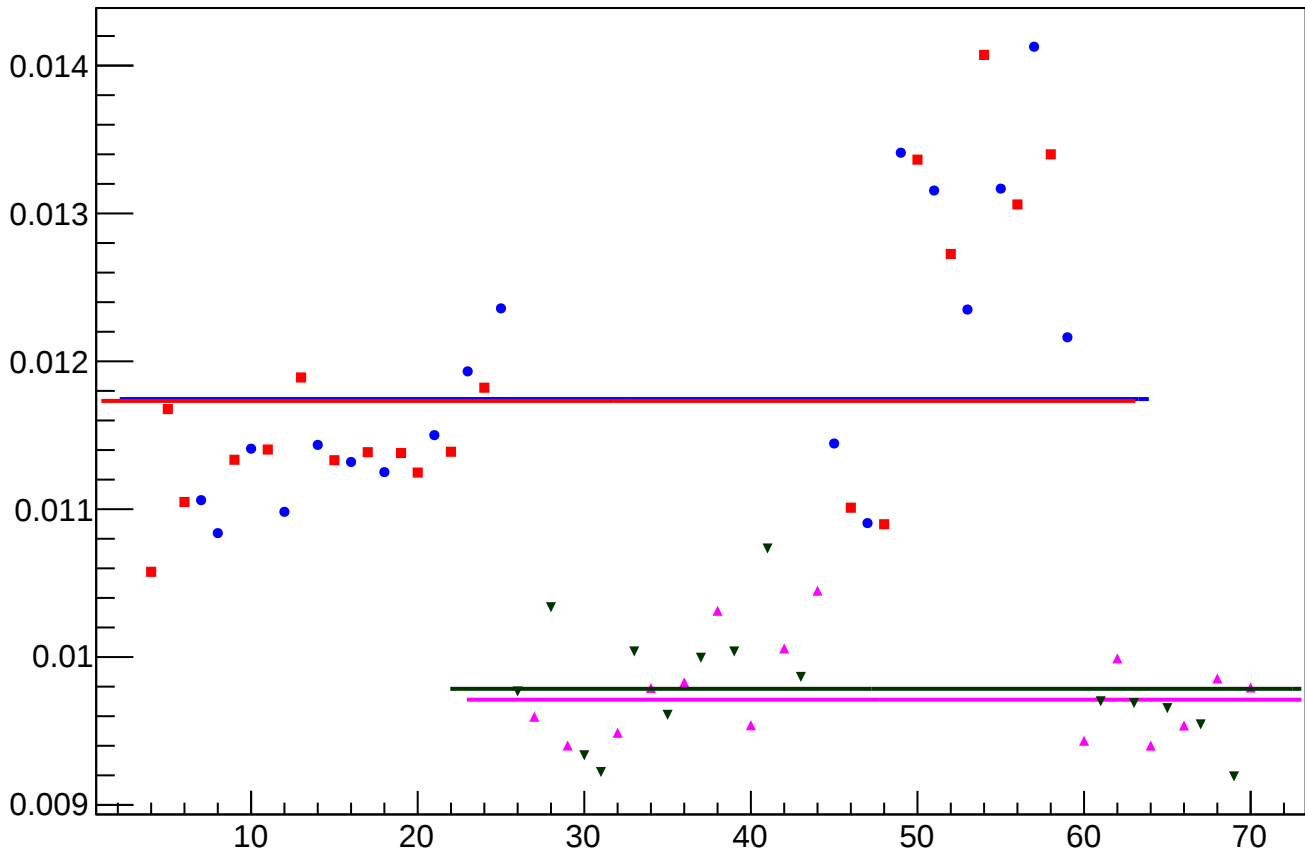
Right Out: 2.562+/-0.000 χ^2/NDF : 12349960173.0/18

Left In: 2.793+/-0.000 χ^2/NDF :12040338650.6/14

2.728+/-0.000 χ^2/NDF : 27931803481.4/32

2.692+/-0.000 χ^2/NDF : 26494688665.1/33

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:25301.5/14

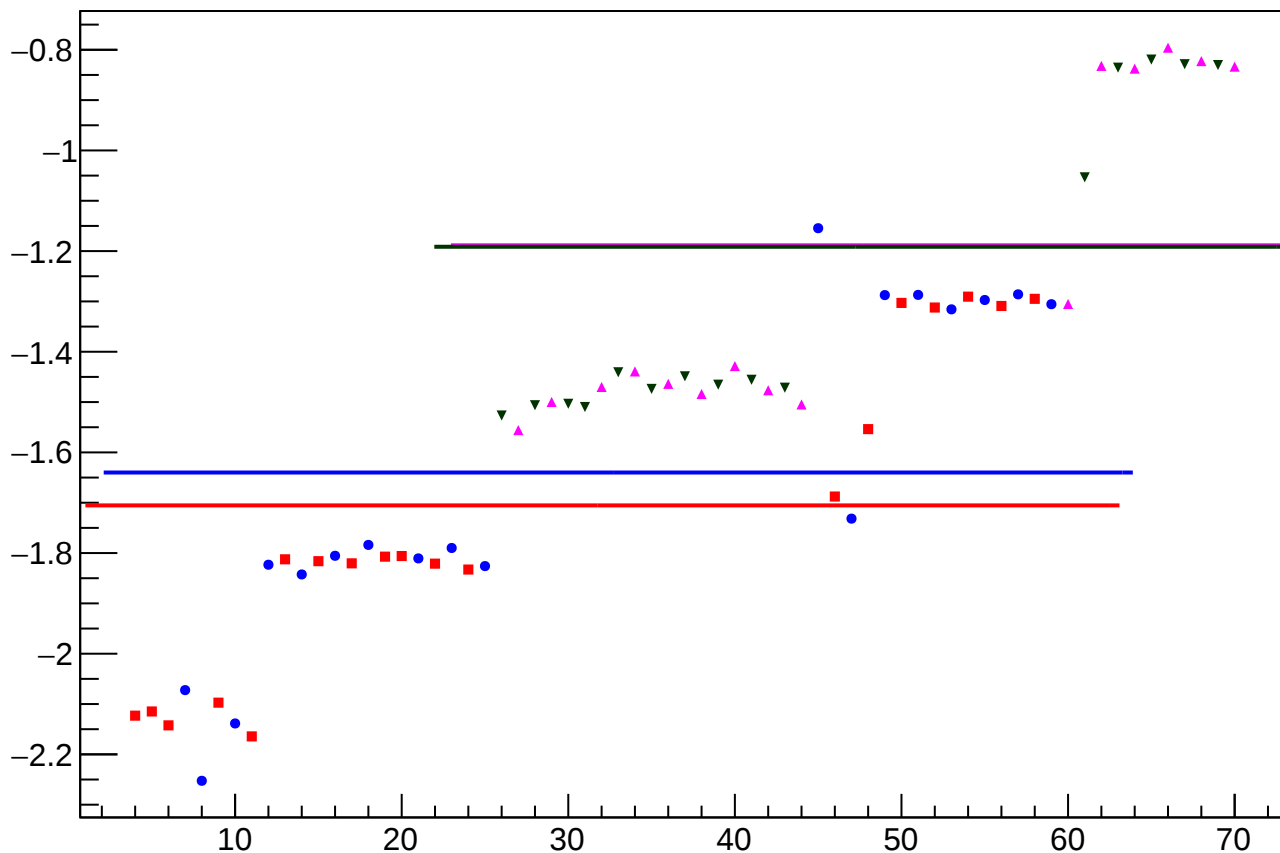
0.011 $\pm$ 0.000 χ^2 /NDF: 448528.5/32

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 107336.5/18

0.011 $\pm$ 0.000 χ^2 /NDF: 446627.2/33

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:16729.9/14

yield_bpm0l06Y_mean vs slug



Right In: -1.640+/-0.000 χ^2/NDF : 63862011114.5/17

Left Out: -1.191+/-0.000 χ^2/NDF : 32646850808.9/14

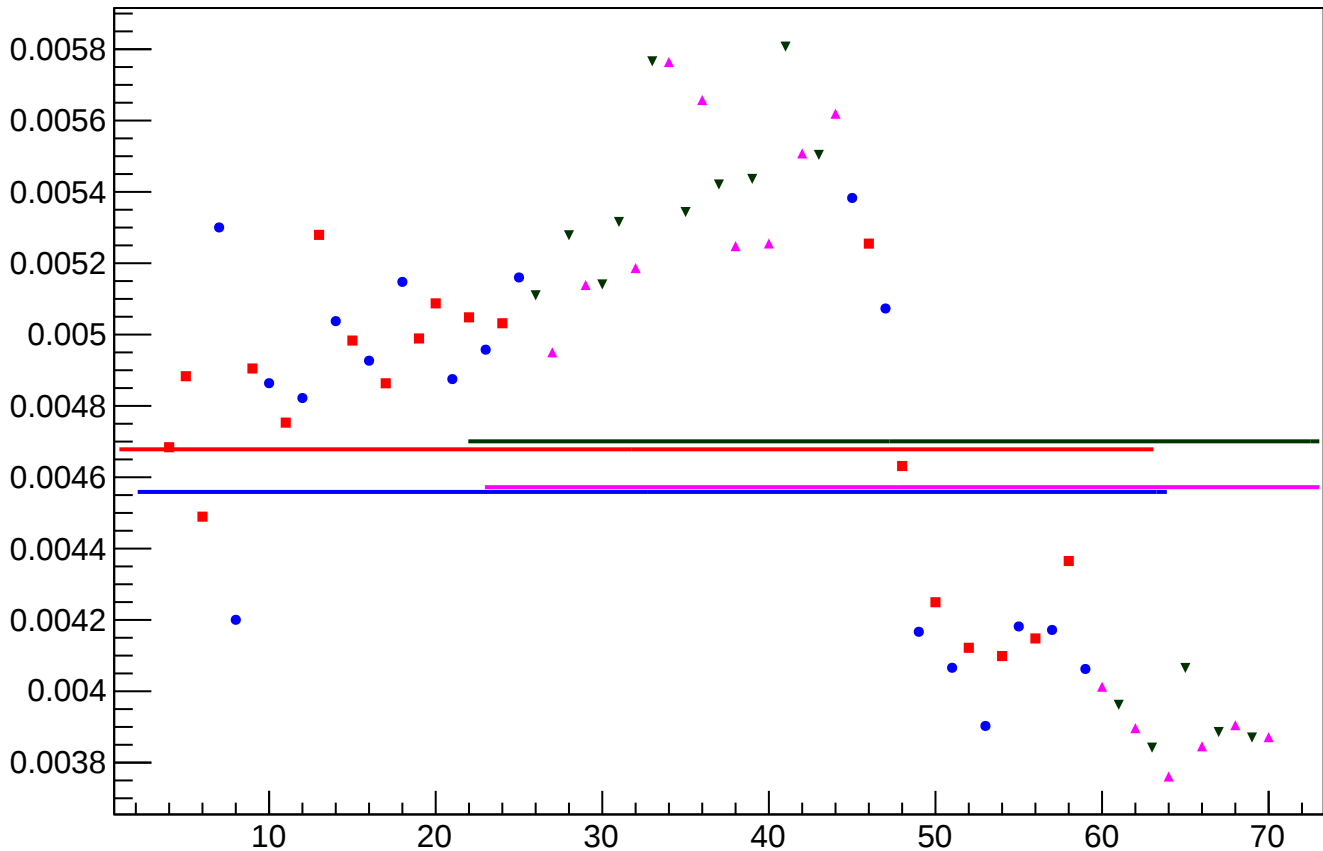
Right Out: -1.705+/-0.000 χ^2/NDF : 45414052250.2/18

Left In: -1.188+/-0.000 χ^2/NDF : 41108181132.2/14

-1.465+/-0.000 χ^2/NDF : 137443217436.8/32

-1.458+/-0.000 χ^2/NDF : 142346665700.8/33

yield_bpm0l06Y_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 228593.7/17

Left Out: 0.005+/-0.000 χ^2/NDF :381766.5/14

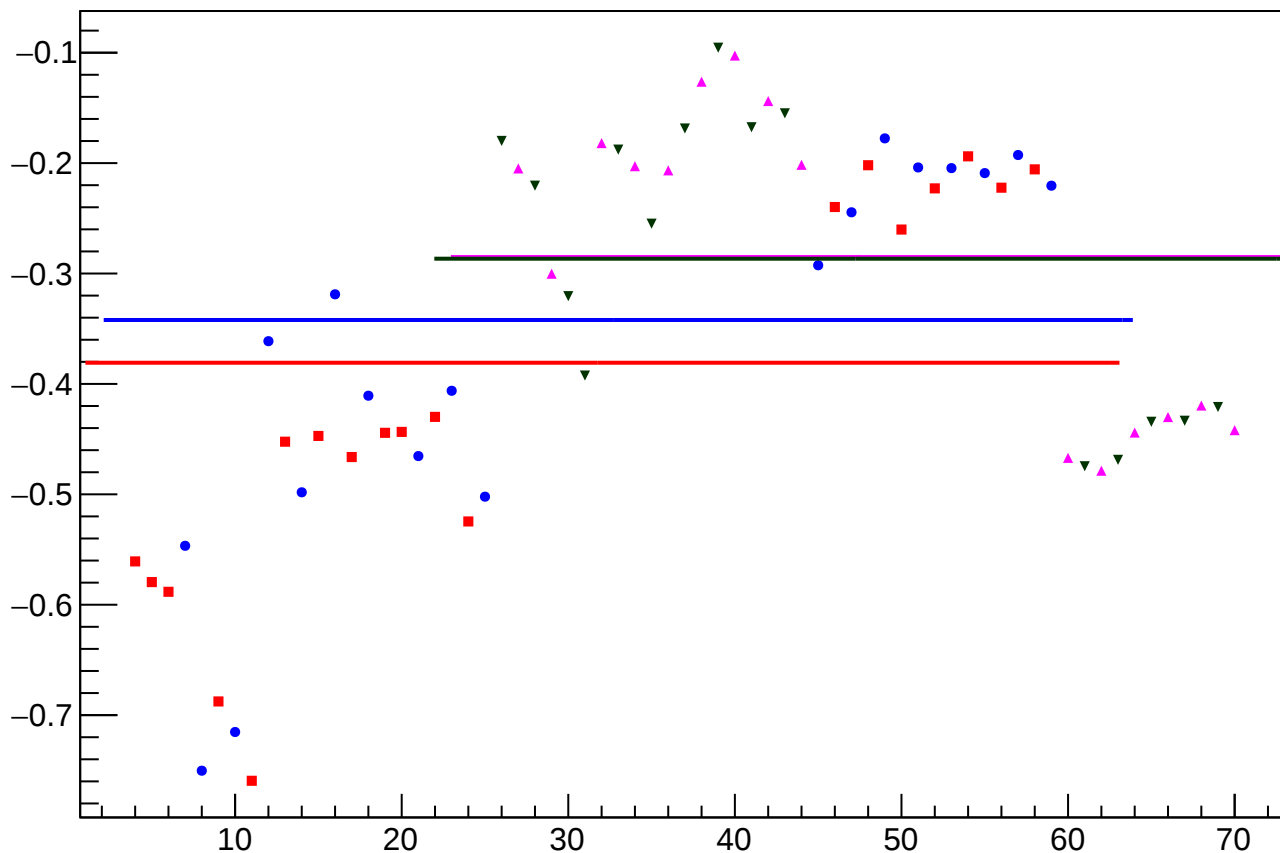
Right Out: 0.005+/-0.000 χ^2/NDF : 136426.0/18

Left In: 0.005+/-0.000 χ^2/NDF :428443.2/14

0.005+/-0.000 χ^2/NDF : 618547.7/32

0.005+/-0.000 χ^2/NDF : 569571.7/33

yield_bpm0l07X_mean vs slug



Right In: -0.342+/-0.000 χ^2/NDF : 1669772673.5/17

Left Out: -0.287+/-0.000 χ^2/NDF : 585692585.6/14

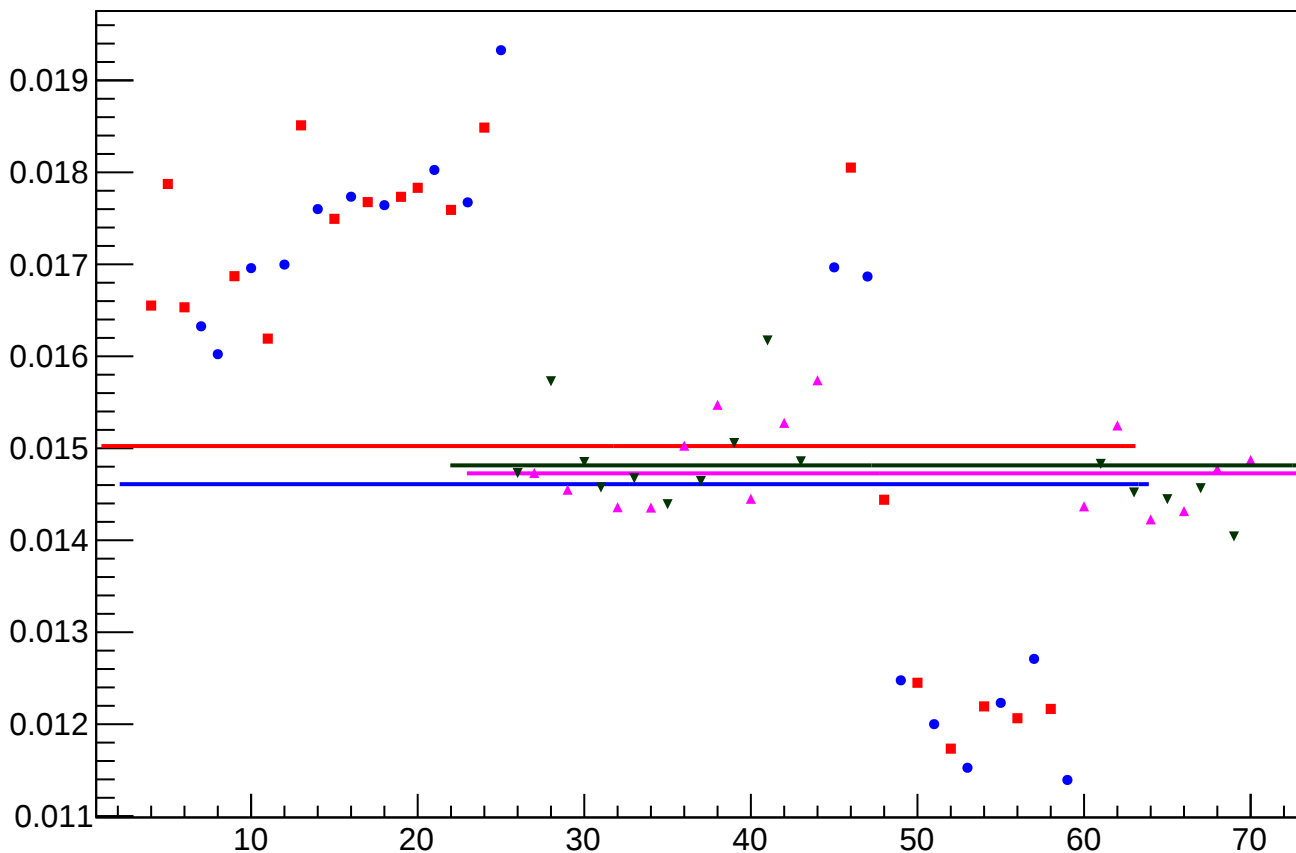
Right Out: -0.381+/-0.000 χ^2/NDF : 1387002500.9/18

Left In: -0.285+/-0.000 χ^2/NDF : 671102042.5/14

-0.319+/-0.000 χ^2/NDF : 2319257026.2/32

-0.334+/-0.000 χ^2/NDF : 2244788420.9/33

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 :18905.1/14

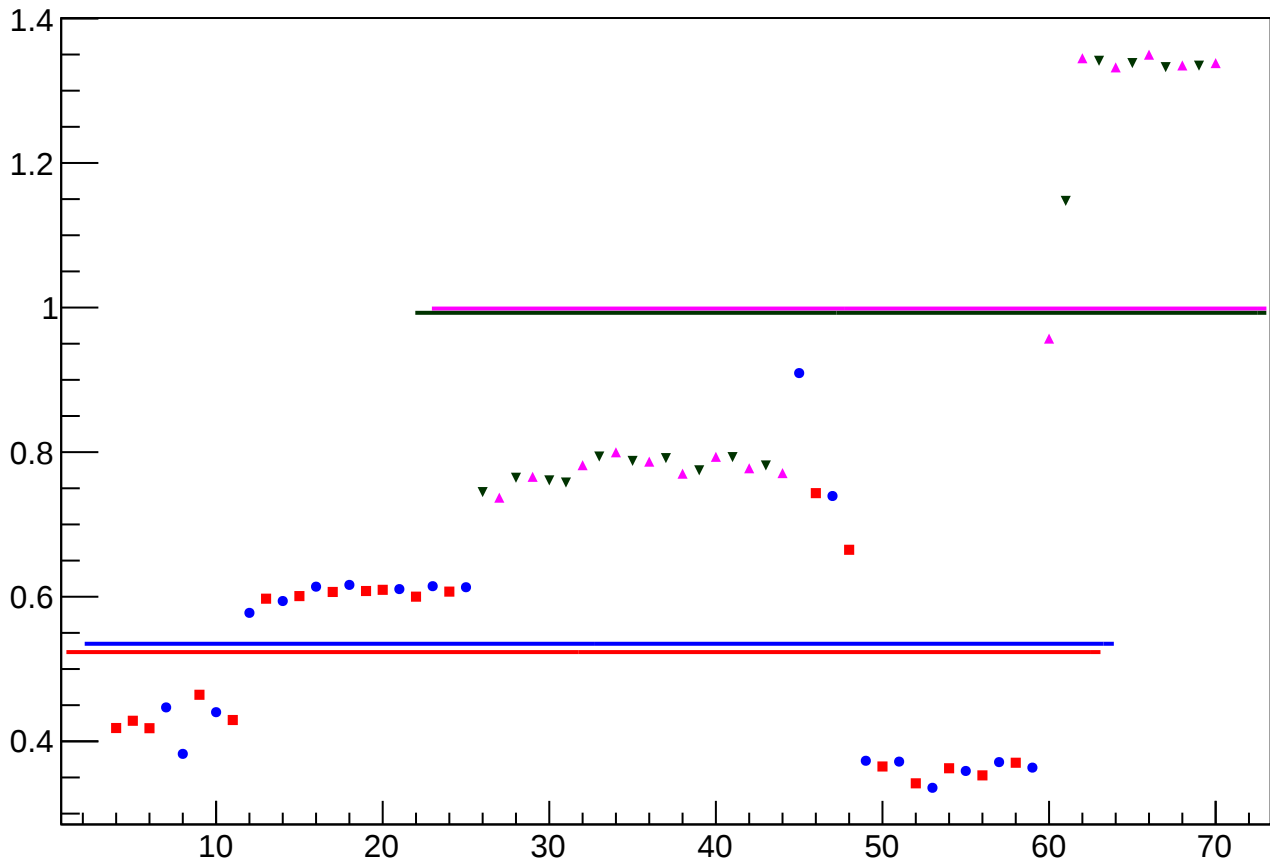
Right Out: 0.015+/-0.000 χ^2/NDF : 573783.3/18

Left In: 0.015+/-0.000 χ^2/NDF :14857.6/14

0.015+/-0.000 χ^2/NDF : 732560.0/32

0.015+/-0.000 χ^2/NDF : 592217.9/33

yield_bpm0l07Y_mean vs slug



Right In: 0.535+/-0.000 χ^2/NDF : 21231144094.8/17

Left Out: 0.993+/-0.000 χ^2/NDF : 57889140179.4/14

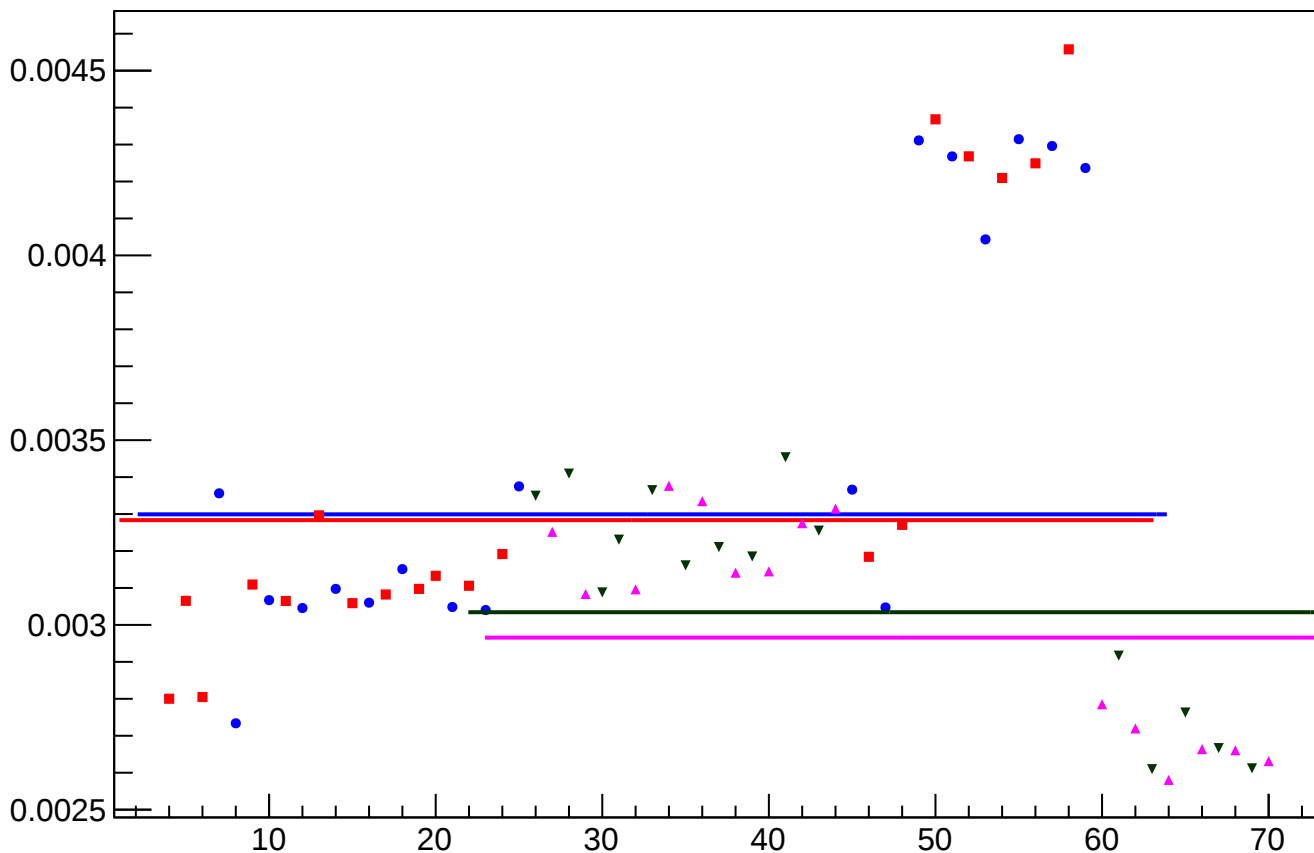
Right Out: 0.523+/-0.000 χ^2/NDF : 11523934099.1/18

Left In: 0.999+/-0.000 χ^2/NDF : 70066622703.2/14

0.742+/-0.000 χ^2/NDF : 172771353119.8/32

0.773+/-0.000 χ^2/NDF : 185533391092.9/33

yield_bpm0l07Y_rms vs slug



Right In: 0.003 ± 0.000 χ^2/NDF : 497565.6/17

Left Out: 0.003 ± 0.000 χ^2/NDF : 148670.6/14

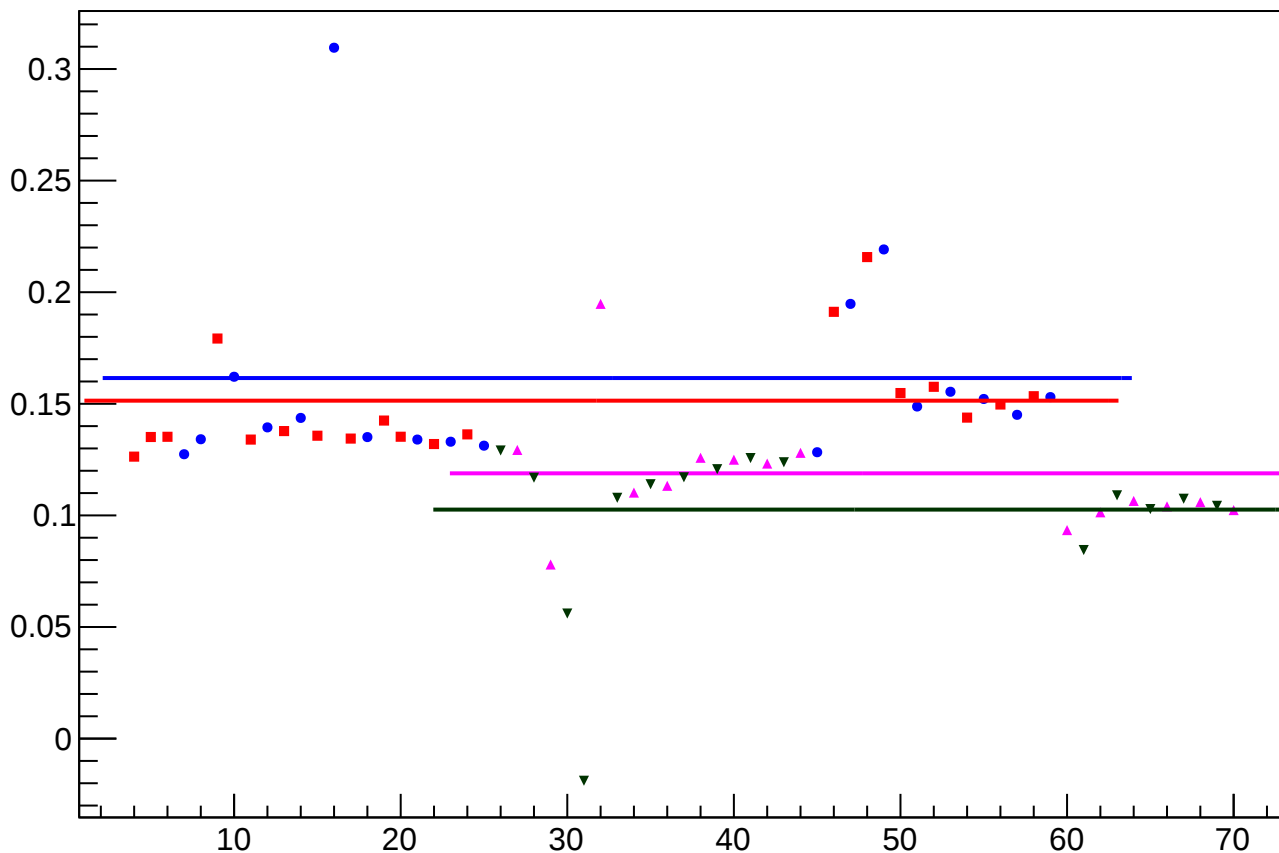
Right Out: 0.003 ± 0.000 χ^2/NDF : 382277.8/18

Left In: 0.003 ± 0.000 χ^2/NDF : 150952.3/14

0.003 ± 0.000 χ^2/NDF : 708961.1/32

0.003 ± 0.000 χ^2/NDF : 626295.0/33

yield_bpm0l08X_mean vs slug



Right In: 0.162 ± 0.000 χ^2/NDF : 94764439.1/17

Left Out: 0.103 ± 0.000 χ^2/NDF : 43460839.2/14

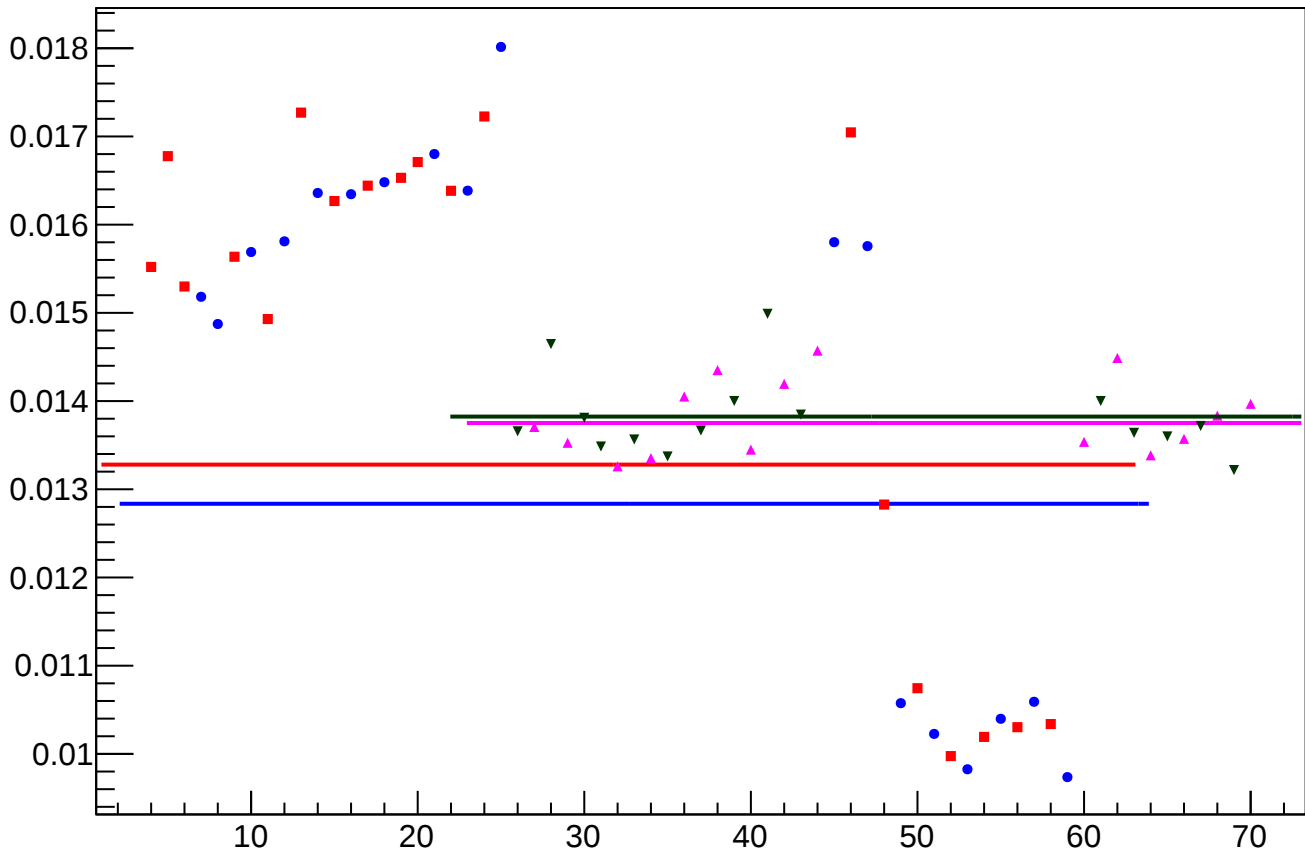
Right Out: 0.151 ± 0.000 χ^2/NDF : 22463584.0/18

Left In: 0.119 ± 0.000 χ^2/NDF : 42487019.8/14

0.139 ± 0.000 χ^2/NDF : 224183051.6/32

0.136 ± 0.000 χ^2/NDF : 90725025.9/33

yield_bpm0l08X_rms vs slug



Right In: 0.013+/-0.000 χ^2/NDF : 1088247.1/17

Left Out: 0.014+/-0.000 χ^2/NDF :16630.5/14

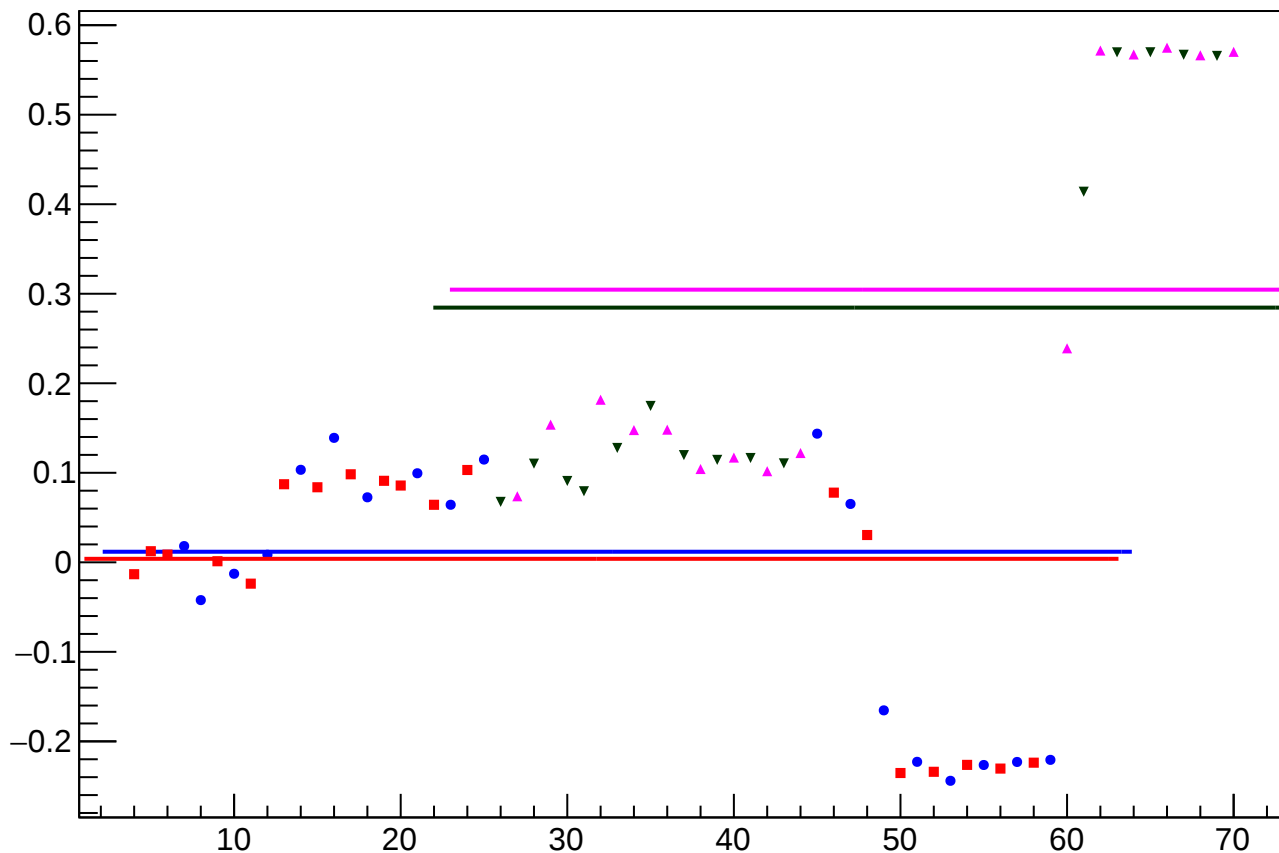
Right Out: 0.013+/-0.000 χ^2/NDF : 890007.3/18

Left In: 0.014+/-0.000 χ^2/NDF :14749.3/14

0.013+/-0.000 χ^2/NDF : 1153236.4/32

0.014+/-0.000 χ^2/NDF : 915569.1/33

yield_bpm0l08Y_mean vs slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 12179192870.2/17

Left Out: 0.285 $\pm$ 0.000 χ^2 /NDF: 36896792347.5/14

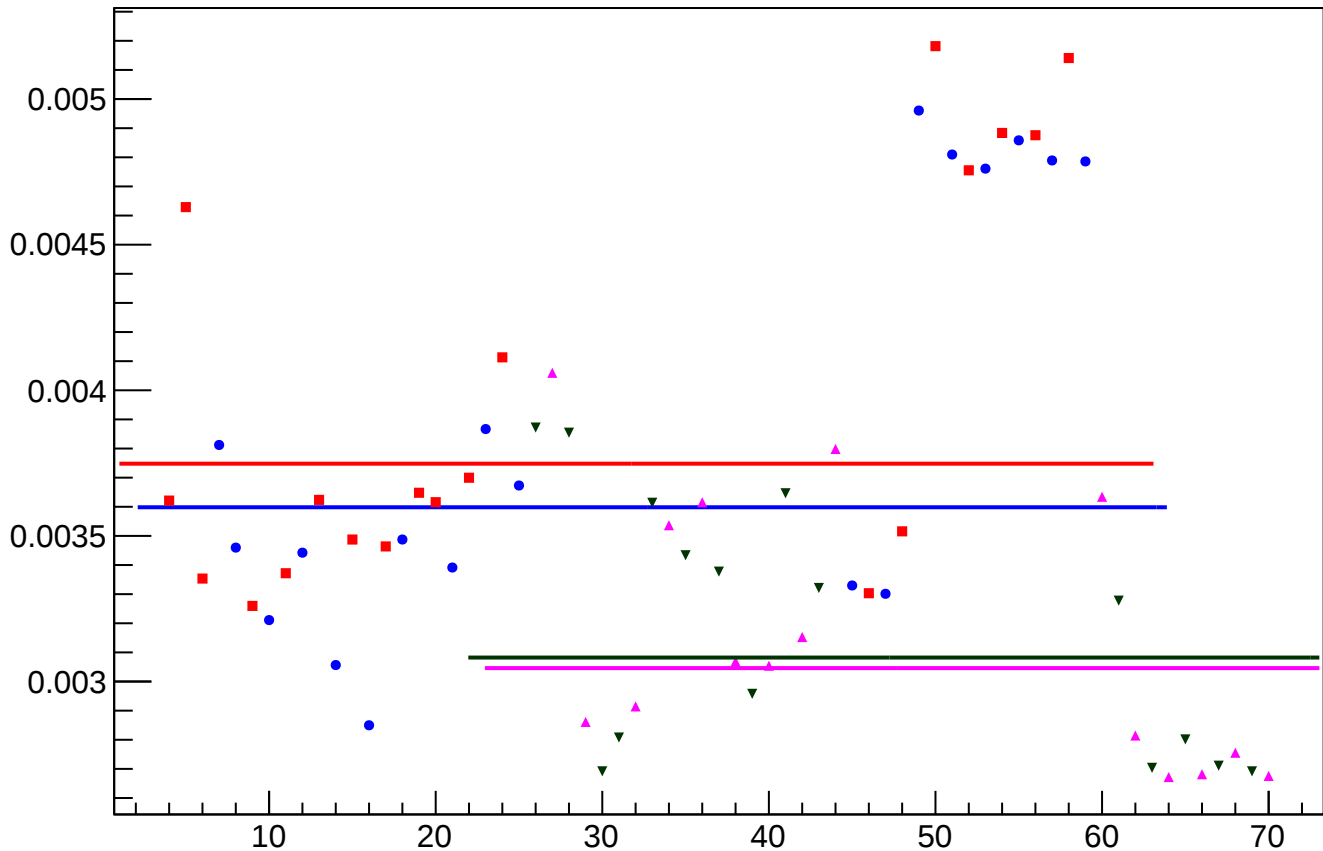
Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 7924148421.7/18

Left In: 0.305 $\pm$ 0.000 χ^2 /NDF: 39776510568.7/14

0.146 $\pm$ 0.000 χ^2 /NDF: 78497367190.2/32

0.178 $\pm$ 0.000 χ^2 /NDF: 81859370535.5/33

yield_bpm0l08Y_rms vs slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 672957.8/17

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 264337.8/14

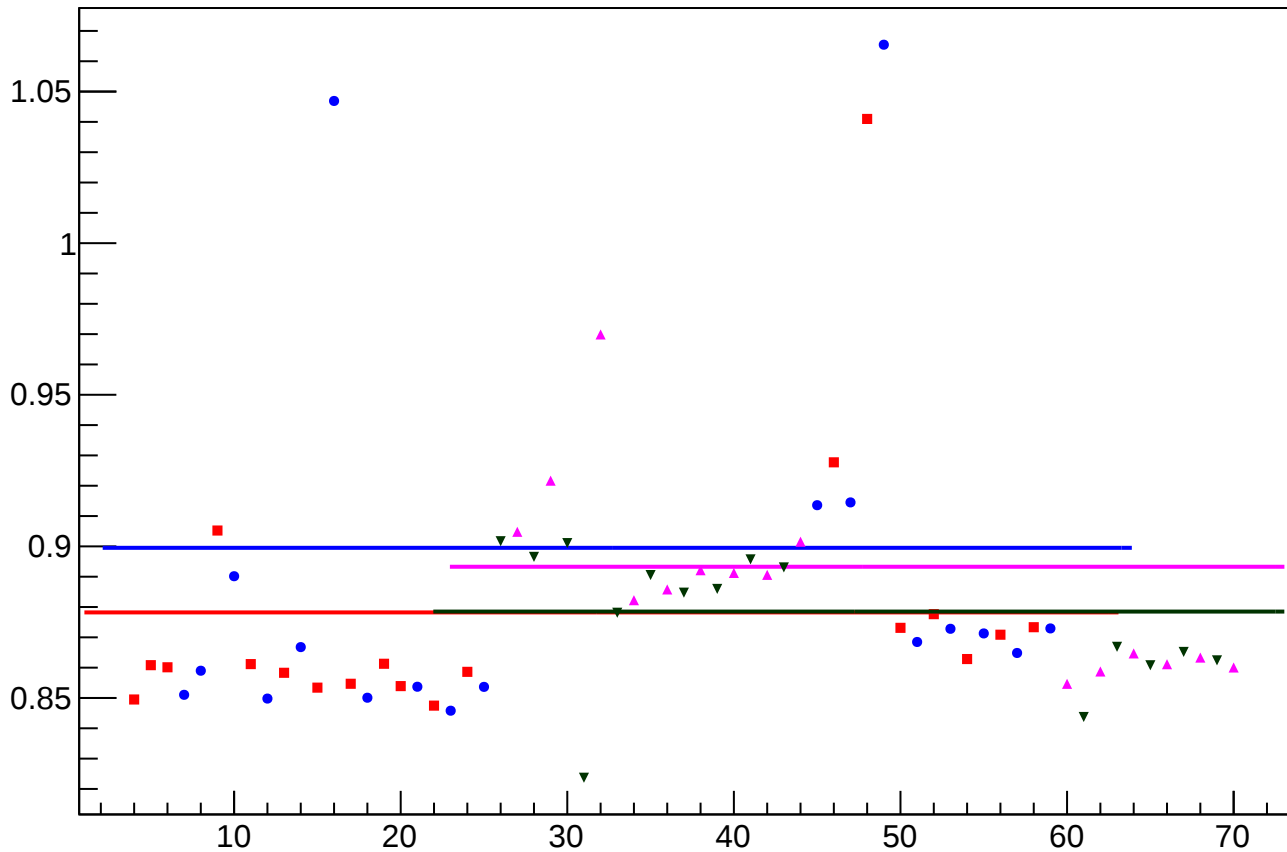
Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 427283.7/18

Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 297921.2/14

0.003 $\pm$ 0.000 χ^2 /NDF: 1148005.2/32

0.003 $\pm$ 0.000 χ^2 /NDF: 1097561.4/33

yield_bpm0l09X_mean vs slug



Right In: 0.900 ± 0.000 χ^2/NDF : 324904340.4/17

Left Out: 0.878 ± 0.000 χ^2/NDF : 17453228.1/14

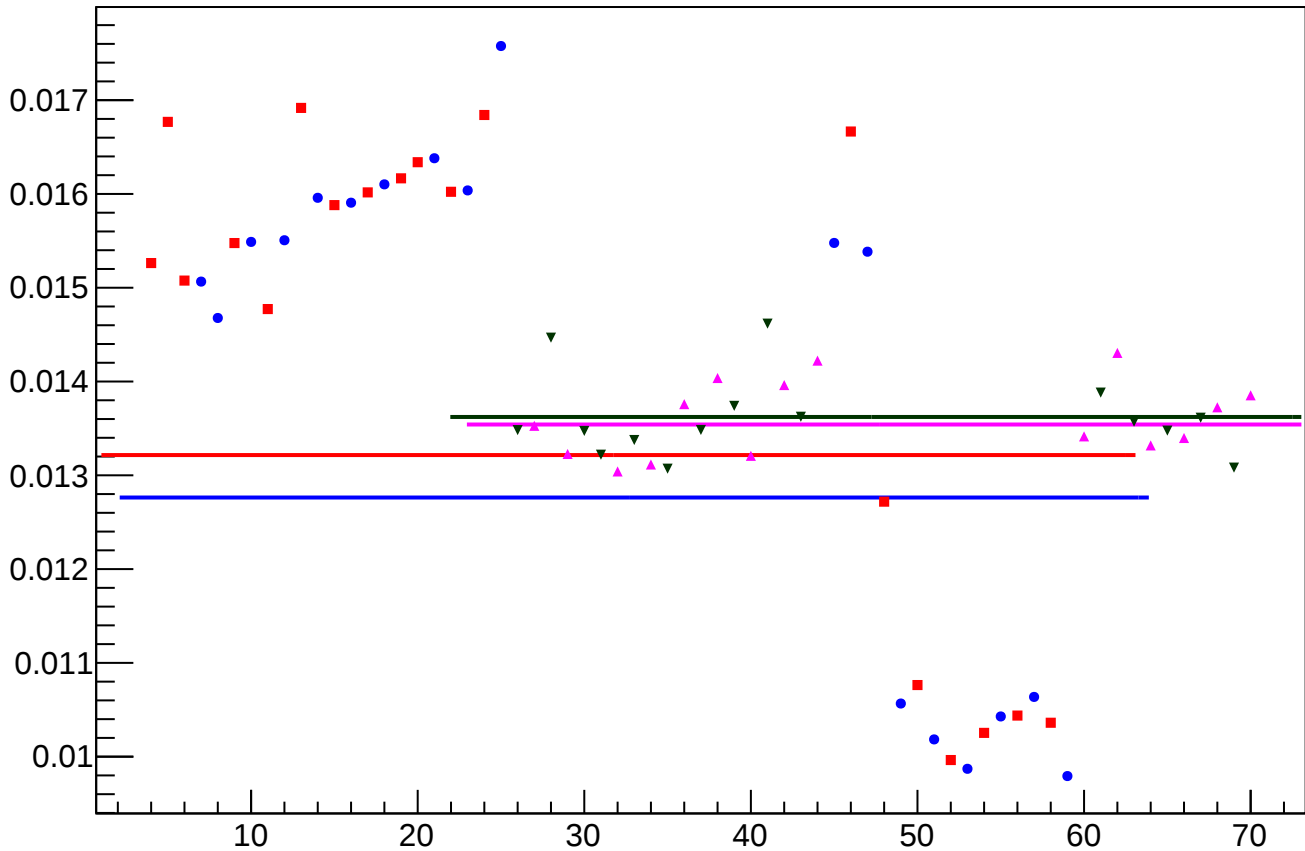
Right Out: 0.878 ± 0.000 χ^2/NDF : 92356263.0/18

Left In: 0.893 ± 0.000 χ^2/NDF : 53377167.3/14

0.891 ± 0.000 χ^2/NDF : 353557670.8/32

0.885 ± 0.000 χ^2/NDF : 151368827.8/33

yield_bpm0l09X_rms vs slug



Right In: 0.013+/-0.000 χ^2/NDF : 980141.4/17

Left Out: 0.014+/-0.000 χ^2/NDF : 15548.6/14

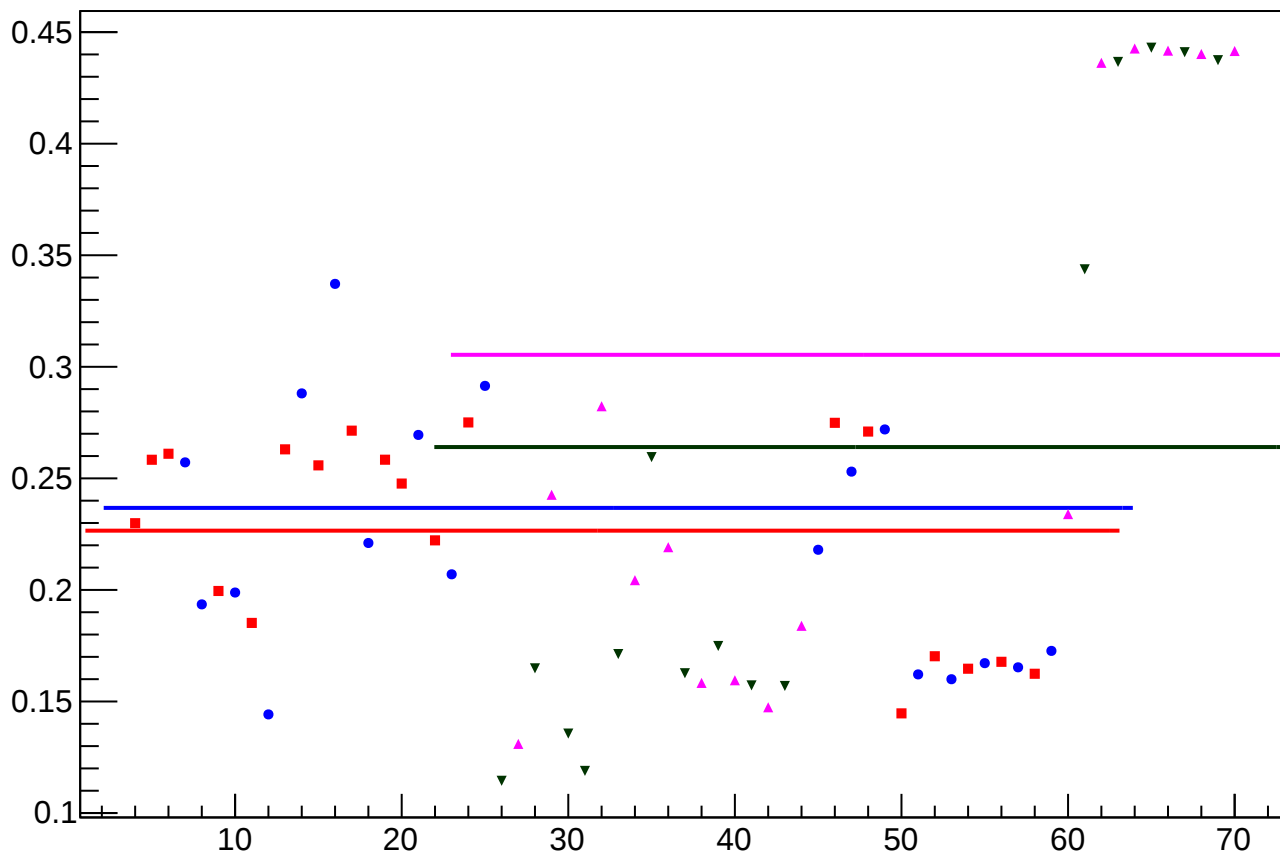
Right Out: 0.013+/-0.000 χ^2/NDF : 798846.8/18

Left In: 0.014+/-0.000 χ^2/NDF : 13928.3/14

0.013+/-0.000 χ^2/NDF : 1033065.0/32

0.013+/-0.000 χ^2/NDF : 818050.6/33

yield_bpm0l09Y_mean vs slug



Right In: 0.237 ± 0.000 χ^2/NDF : 2411617824.9/17

Left Out: 0.251 ± 0.000 χ^2/NDF : 13293164134.5/14

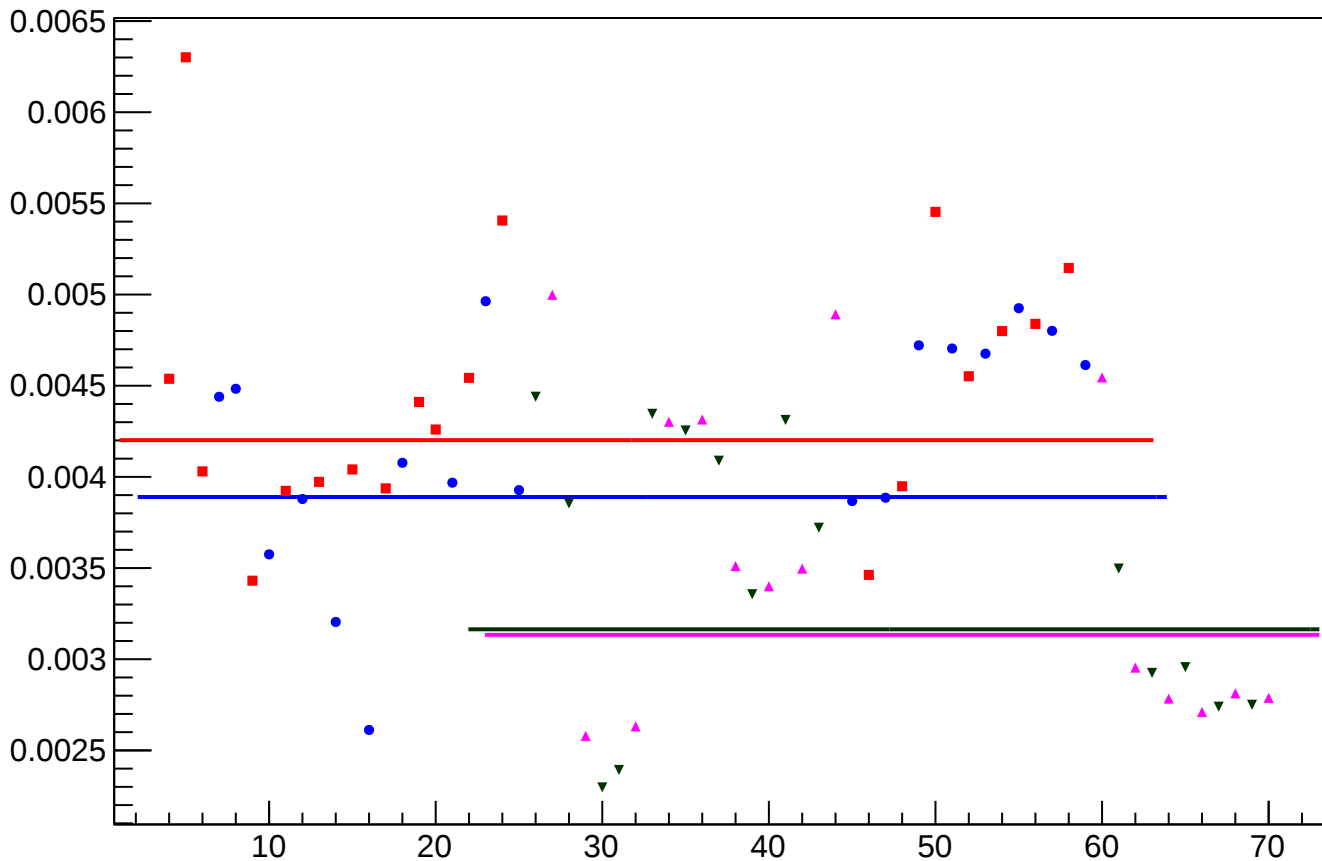
Right Out: 0.227 ± 0.000 χ^2/NDF : 943883207.4/18

Left In: 0.305 ± 0.000 χ^2/NDF : 10890447473.8/14

0.251 ± 0.000 χ^2/NDF : 15960412156.9/32

0.275 ± 0.000 χ^2/NDF : 13761845417.1/33

yield_bpm0l09Y_rms vs slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 695729.3/17

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:685693.6/14

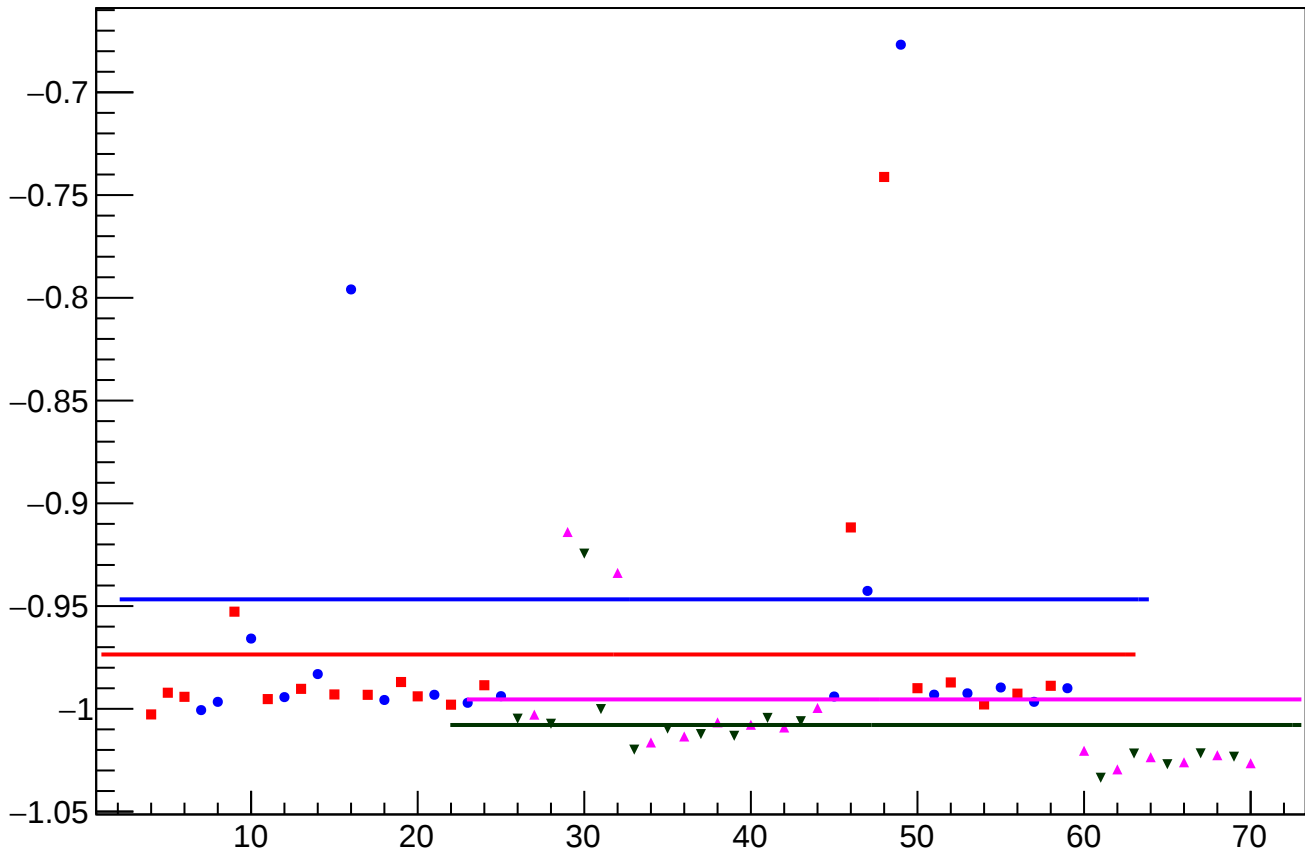
Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 341340.8/18

Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:809969.3/14

0.004 $\pm$ 0.000 χ^2 /NDF: 1743405.3/32

0.004 $\pm$ 0.000 χ^2 /NDF: 1858750.8/33

yield_bpm0l10X_mean vs slug



Right In: -0.947+/-0.000 χ^2 /NDF: 662253046.3/17

Left Out: -1.008+/-0.000 χ^2 /NDF:26980714.6/14

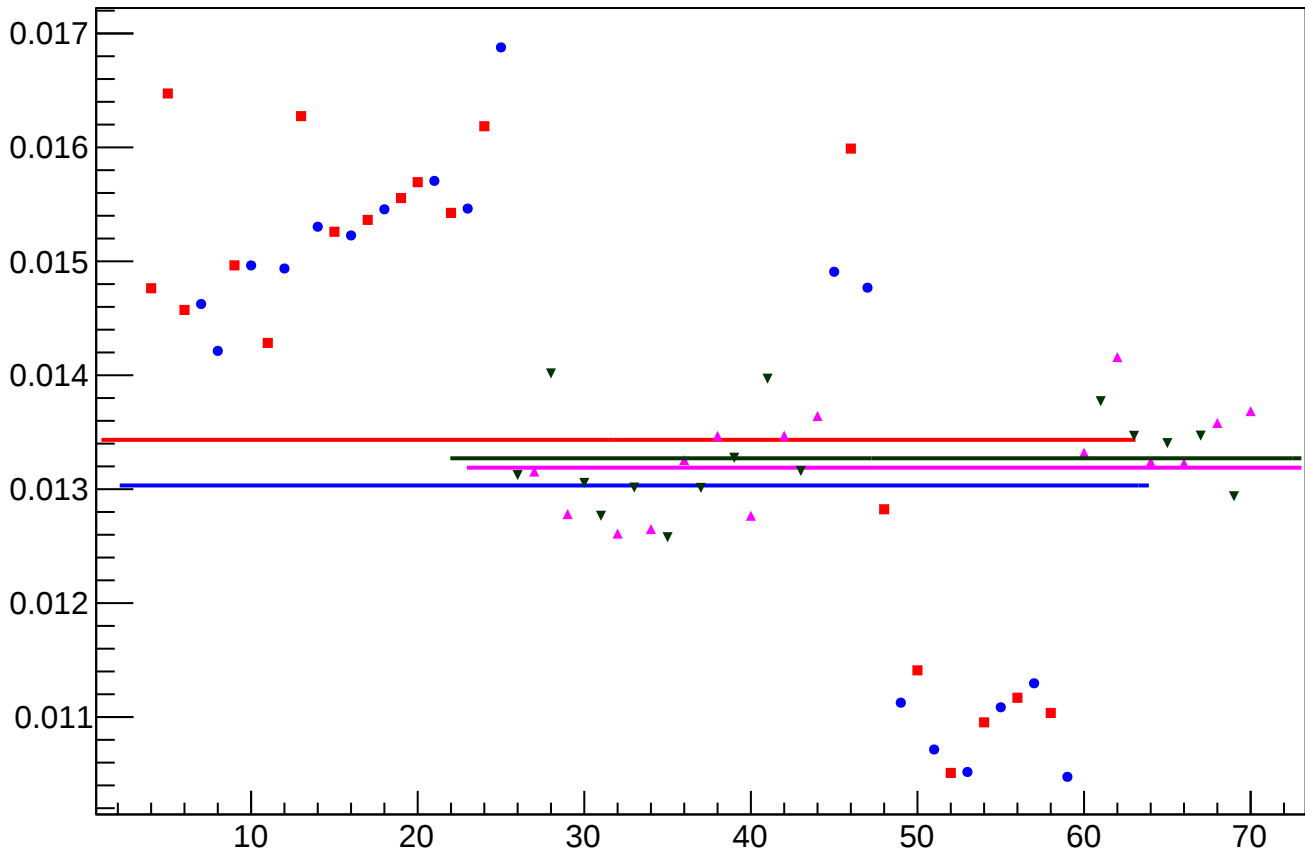
Right Out: -0.974+/-0.000 χ^2 /NDF: 174691792.1/18

Left In: -0.995+/-0.000 χ^2 /NDF:73424289.6/14

-0.972+/-0.000 χ^2 /NDF: 785825860.5/32

-0.984+/-0.000 χ^2 /NDF: 260210045.0/33

yield_bpm0l10X_rms vs slug



Right In: 0.013+/-0.000 χ^2/NDF : 587832.0/17

Left Out: 0.013+/-0.000 χ^2/NDF : 14730.2/14

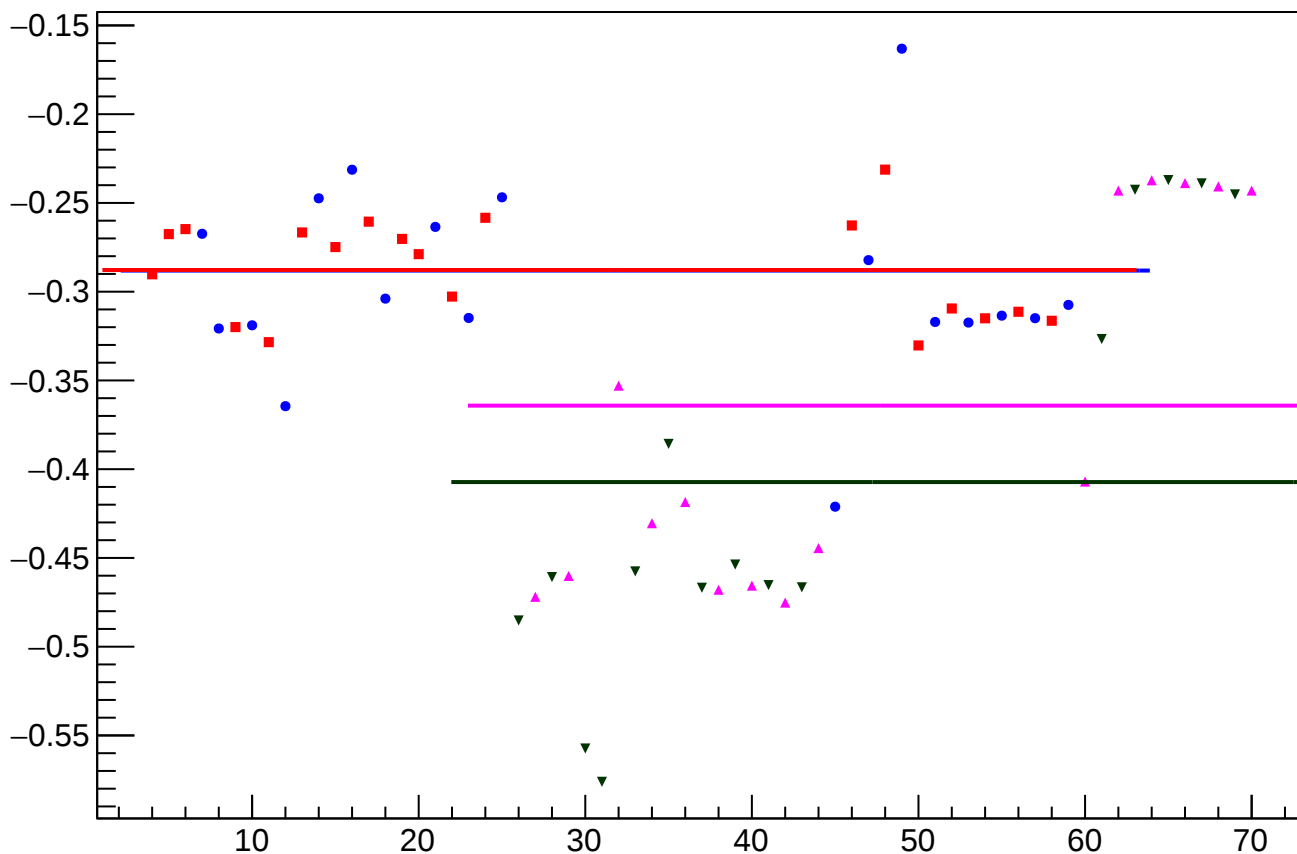
Right Out: 0.013+/-0.000 χ^2/NDF : 479245.1/18

Left In: 0.013+/-0.000 χ^2/NDF : 17013.3/14

0.013+/-0.000 χ^2/NDF : 605506.2/32

0.013+/-0.000 χ^2/NDF : 499278.5/33

yield_bpm0l10Y_mean vs slug



Right In: -0.288+/-0.000 χ^2/NDF : 2601289511.6/17

Left Out: -0.407+/-0.000 χ^2/NDF :12044327728.4/14

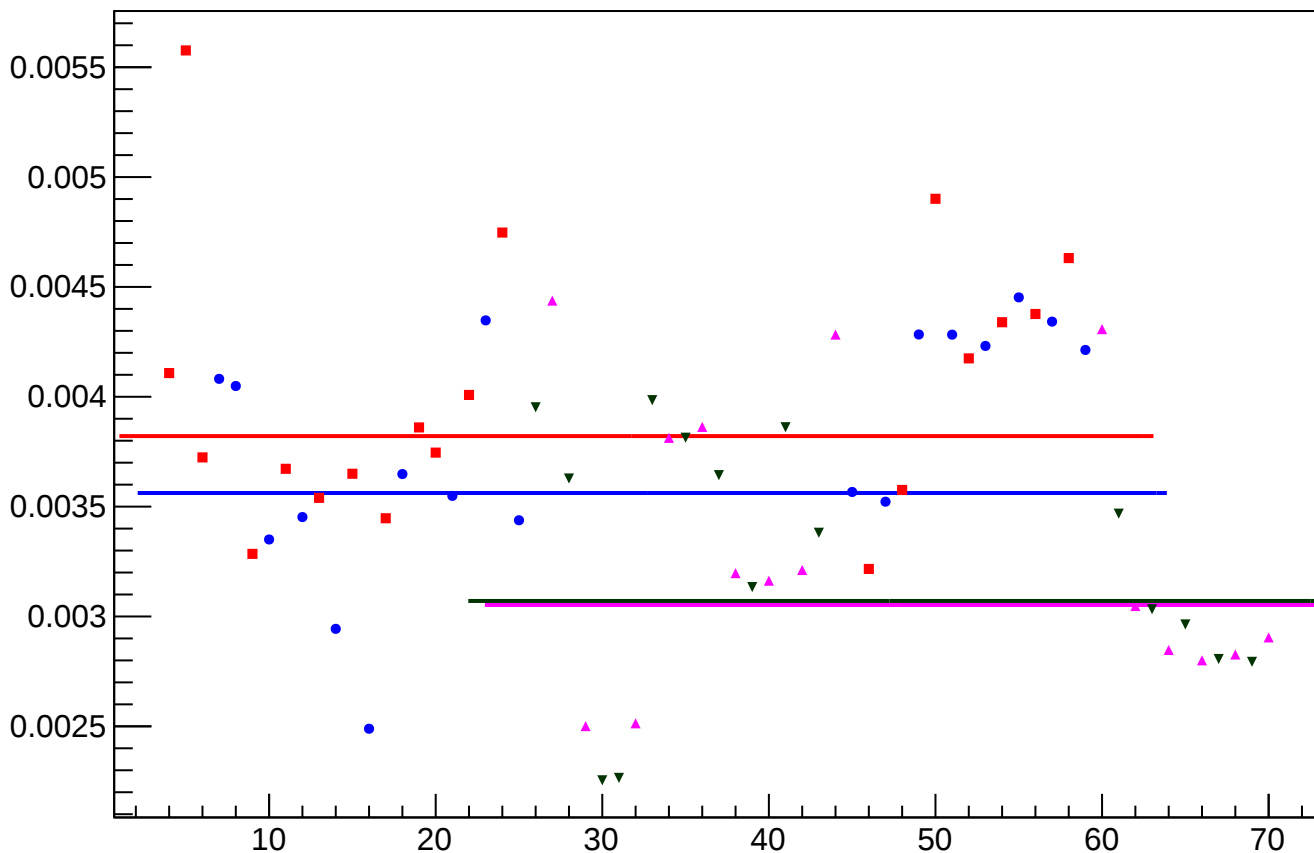
Right Out: -0.288+/-0.000 χ^2/NDF : 515794849.9/18

Left In: -0.364+/-0.000 χ^2/NDF :8335262043.6/14

-0.345+/-0.000 χ^2/NDF : 20226398761.9/32

-0.332+/-0.000 χ^2/NDF : 10958623276.2/33

yield_bpm0l10Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 588741.6/17

Left Out: 0.003+/-0.000 χ^2/NDF : 497905.5/14

Right Out: 0.004+/-0.000 χ^2/NDF : 282191.6/18

Left In: 0.003+/-0.000 χ^2/NDF : 577349.5/14

0.003+/-0.000 χ^2/NDF : 1276502.7/32

0.003+/-0.000 χ^2/NDF : 1286220.8/33