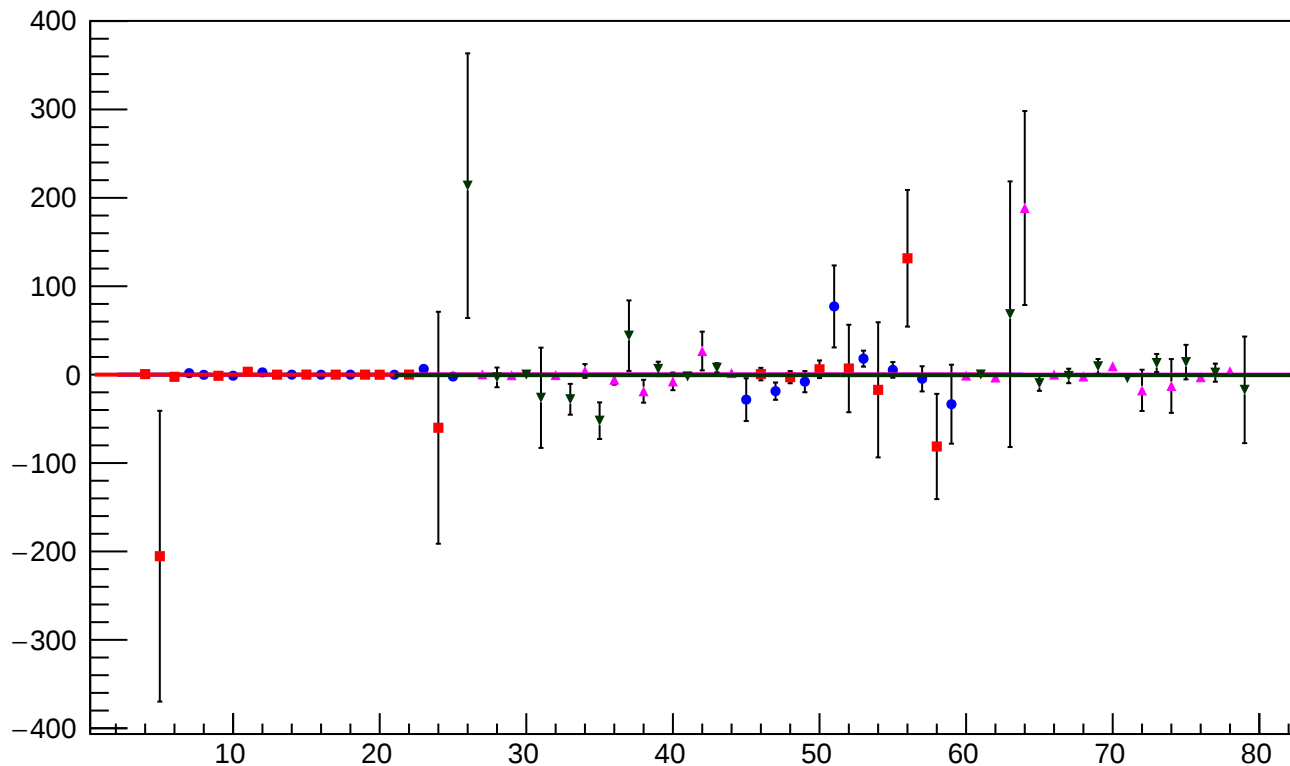


diff_cav4bX_mean vs slug



Right In: -0.014 $\pm$ 0.014

χ^2 /NDF: 31.2/17

Left Out: -0.595 $\pm$ 1.121

χ^2 /NDF: 22.6/19

Right Out: 0.017 $\pm$ 0.016

χ^2 /NDF: 24.7/18

Left In: 0.072 $\pm$ 0.073

χ^2 /NDF: 29.1/18

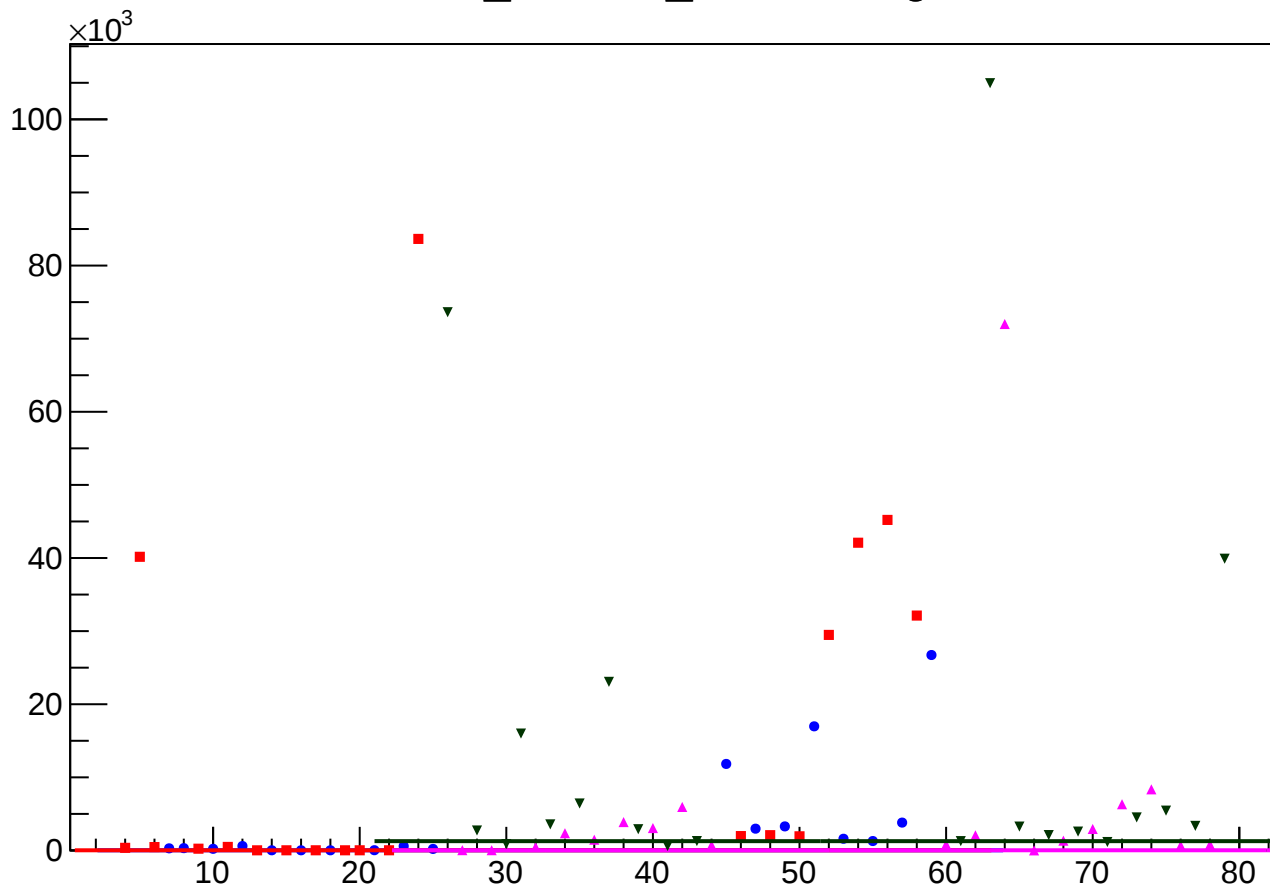
-0.014 $\pm$ 0.014

χ^2 /NDF: 54.1/37

0.019 $\pm$ 0.016

χ^2 /NDF: 54.3/37

diff_cav4bX_rms vs slug



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

Left Out: 1272.330 $\pm$ 0.792 χ^2 /NDF: 4047663.5/19

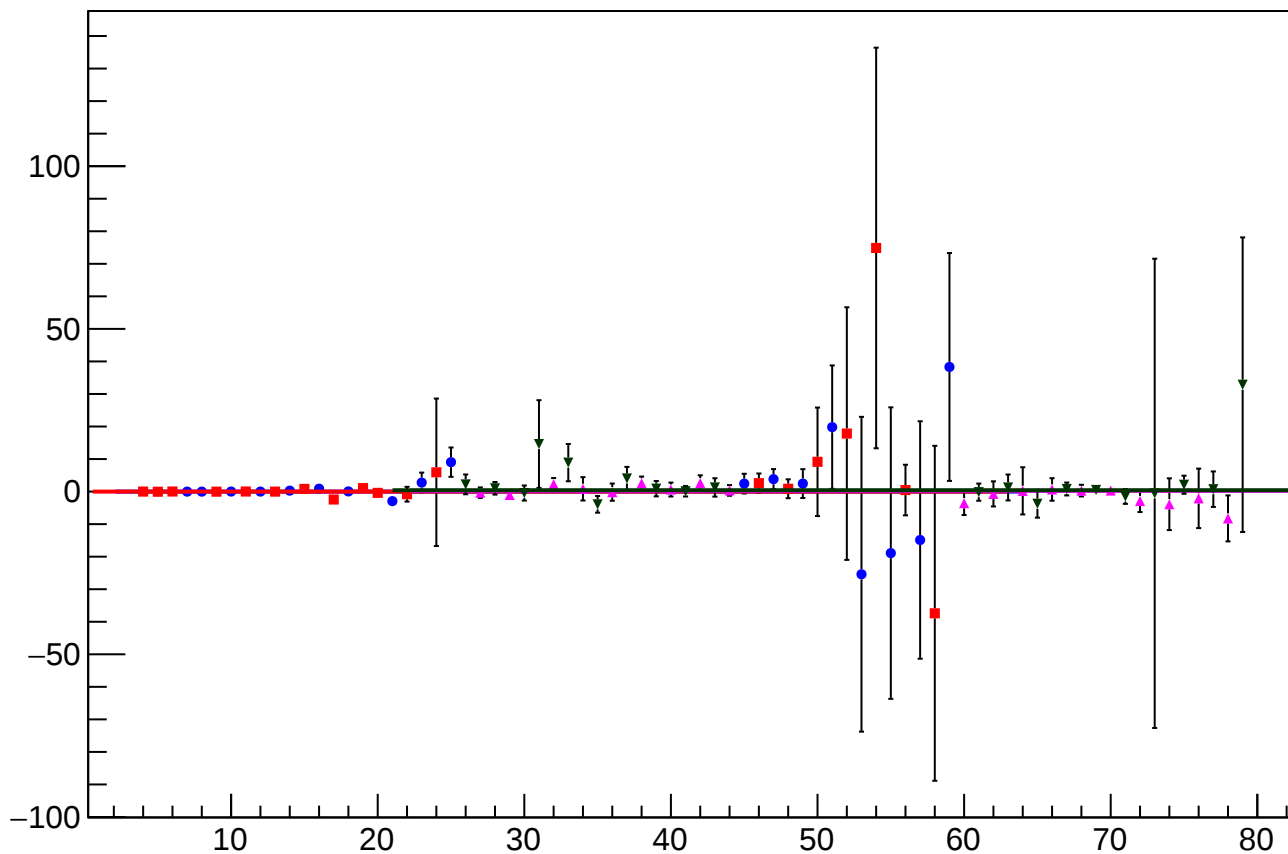
Right Out: 22.611 $\pm$ 0.011 χ^2 /NDF: 4395534.2/18

Left In: 25.715 $\pm$ 0.051 χ^2 /NDF: 5233998.7/18

22.633 $\pm$ 0.010 χ^2 /NDF: 9339934.4/37

22.756 $\pm$ 0.011 χ^2 /NDF: 9632996.4/37

diff_cav4bY_mean vs slug



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

Left Out: 0.418 ± 0.589 χ^2/NDF : 10.6/19

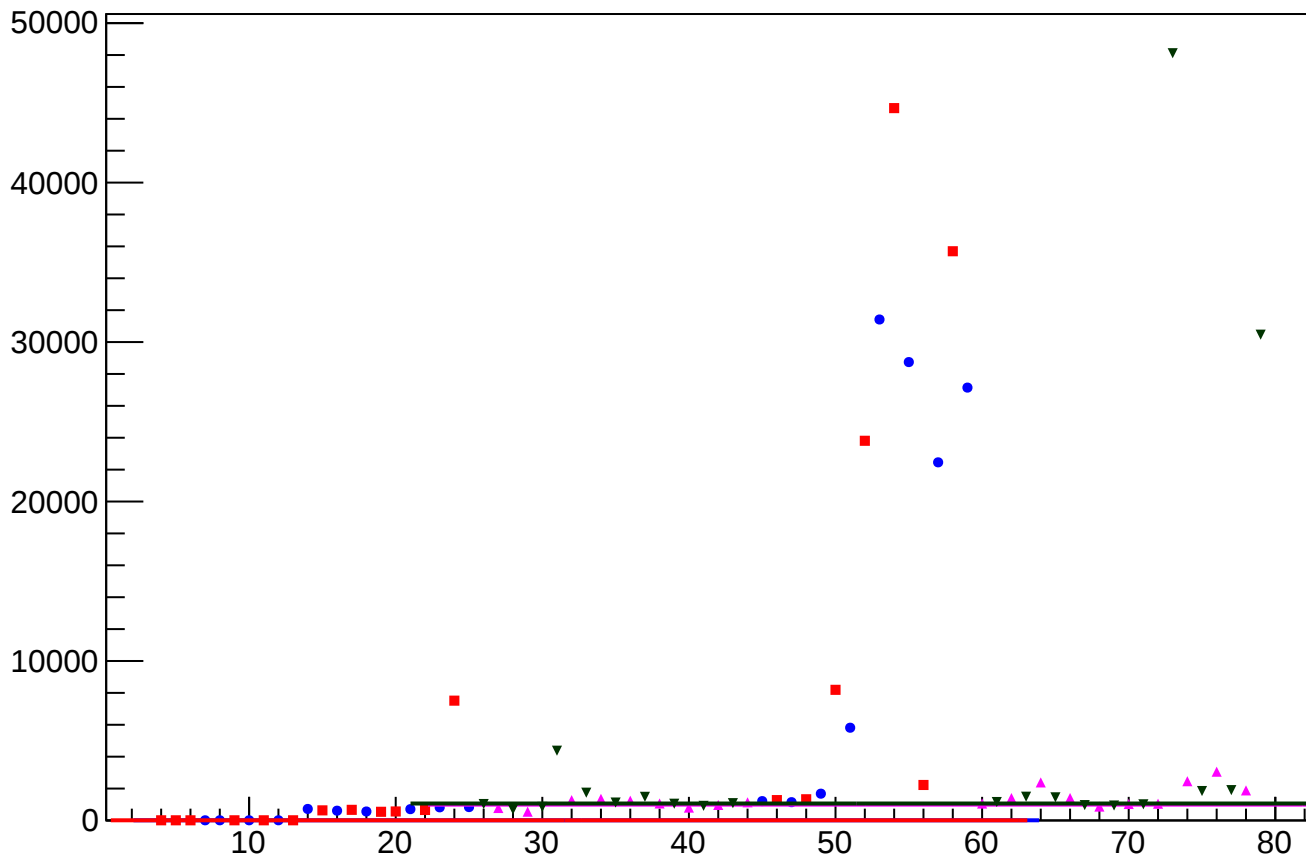
Right Out: 0.002 ± 0.005 χ^2/NDF : 20.3/18

Left In: 0.224 ± 0.526 χ^2/NDF : 8.3/18

-0.001 ± 0.006 χ^2/NDF : 34.7/37

0.002 ± 0.005 χ^2/NDF : 28.8/37

diff_cav4bY_rms vs slug



Right In: 10.507 $\pm$ 0.005 χ^2 /NDF: 8959205.7/17

Left Out: 1062.475 $\pm$ 0.417 χ^2 /NDF: 2253927.8/19

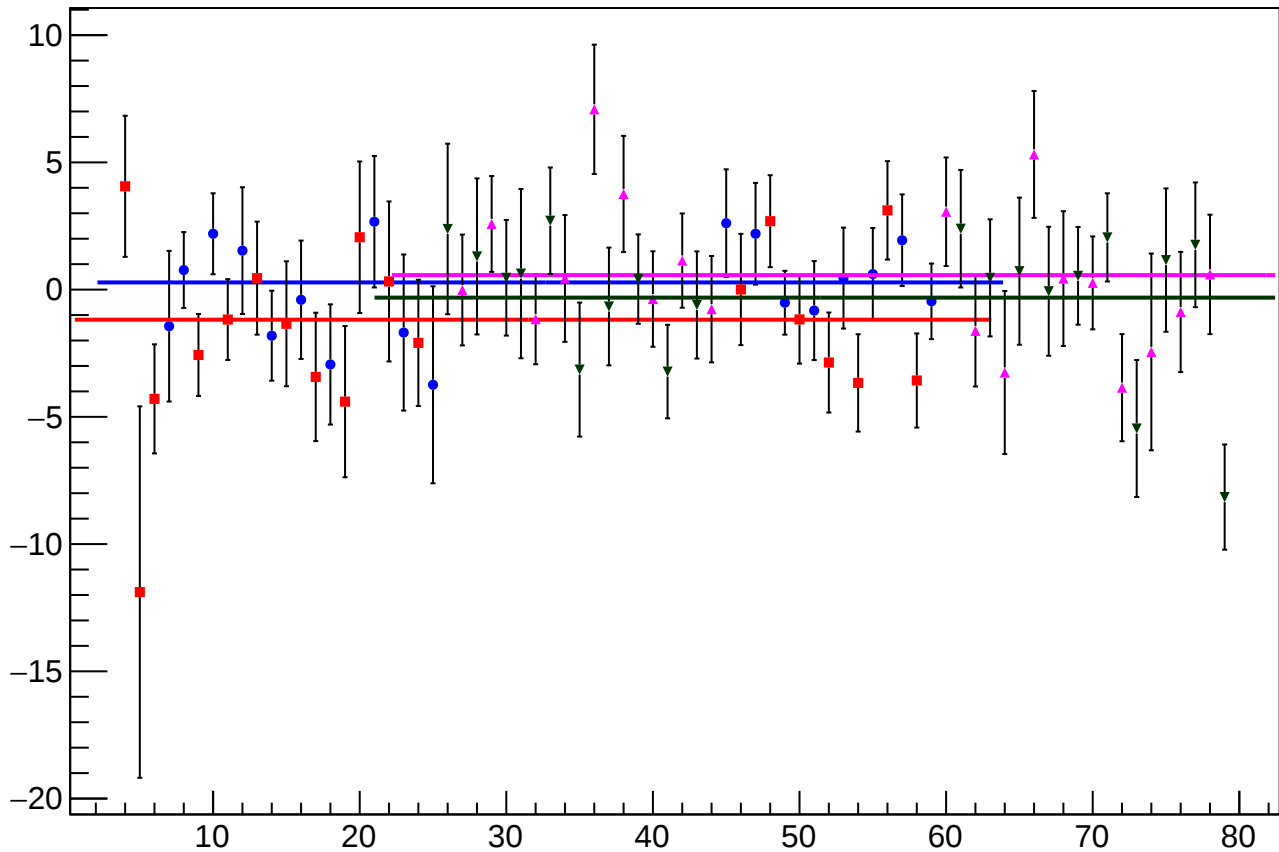
Right Out: 10.086 $\pm$ 0.004 χ^2 /NDF: 6750125.6/18

Left In: 990.522 $\pm$ 0.372 χ^2 /NDF: 708055.5/18

10.635 $\pm$ 0.005 χ^2 /NDF: 17587882.4/37

10.191 $\pm$ 0.004 χ^2 /NDF: 14416421.6/37

diff_cav4cX_mean vs slug



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

Left Out: -0.315 ± 0.513 χ^2/NDF : 29.8/19

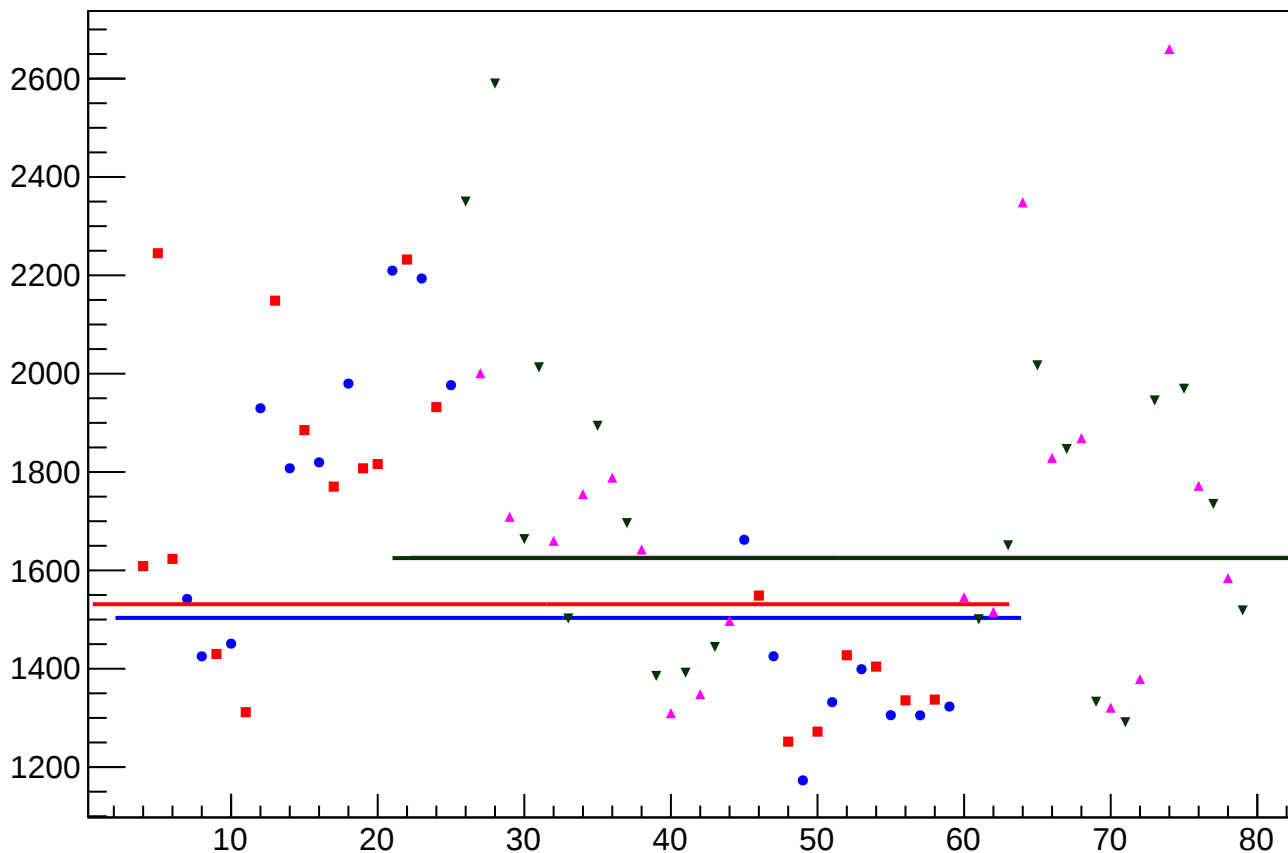
Right Out: -1.182 ± 0.494 χ^2/NDF : 26.5/18

Left In: 0.570 ± 0.506 χ^2/NDF : 24.3/18

0.019 ± 0.340 χ^2/NDF : 42.4/37

-0.328 ± 0.353 χ^2/NDF : 57.0/37

diff_cav4cX_rms vs slug



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

Left Out: 1624.984+/-0.362 χ^2/NDF : 679525.4/19

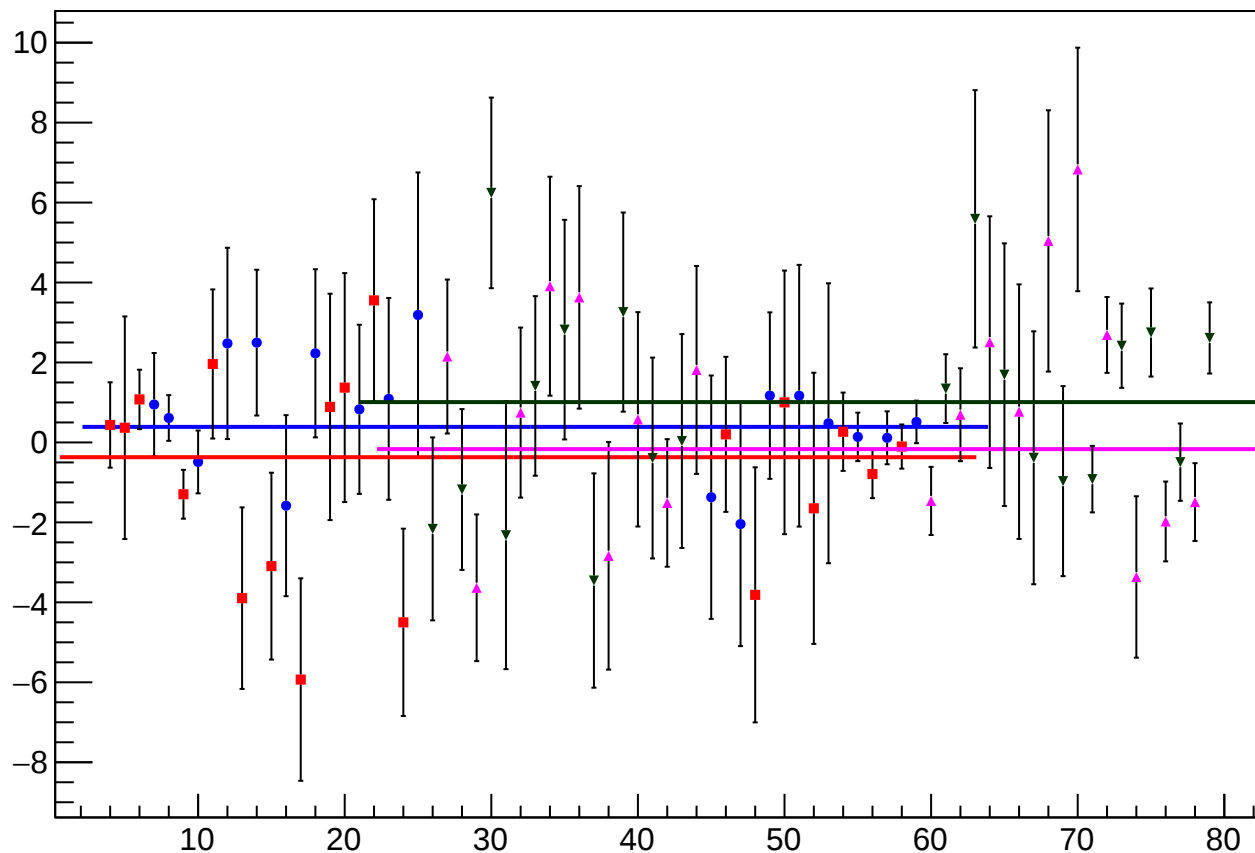
Right Out: 1531.211+/-0.349 χ^2/NDF : 621310.9/18

Left In: 1625.883+/-0.358 χ^2/NDF : 561482.3/18

1557.039+/-0.241 χ^2/NDF : 1519186.6/37

1577.386+/-0.250 χ^2/NDF : 1218670.6/37

diff_cav4cY_mean vs slug



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

Left Out: 1.009 ± 0.334 χ^2/NDF : 31.8/19

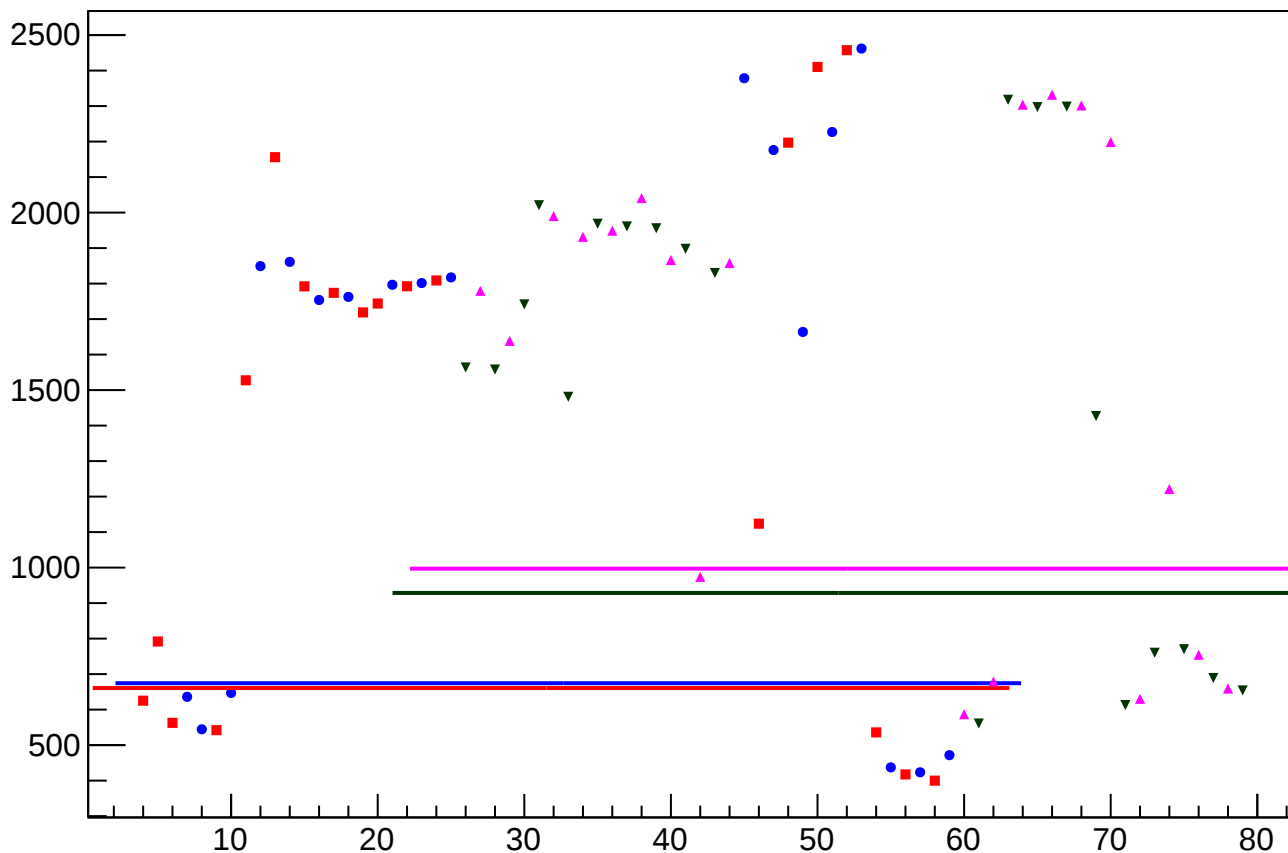
Right Out: -0.369 ± 0.263 χ^2/NDF : 25.7/18

Left In: -0.167 ± 0.358 χ^2/NDF : 39.7/18

0.613 ± 0.201 χ^2/NDF : 41.5/37

-0.299 ± 0.212 χ^2/NDF : 65.6/37

diff_cav4cY_rms vs slug



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

Left Out: 928.657+/-0.236 χ^2/NDF : 4606847.9/19

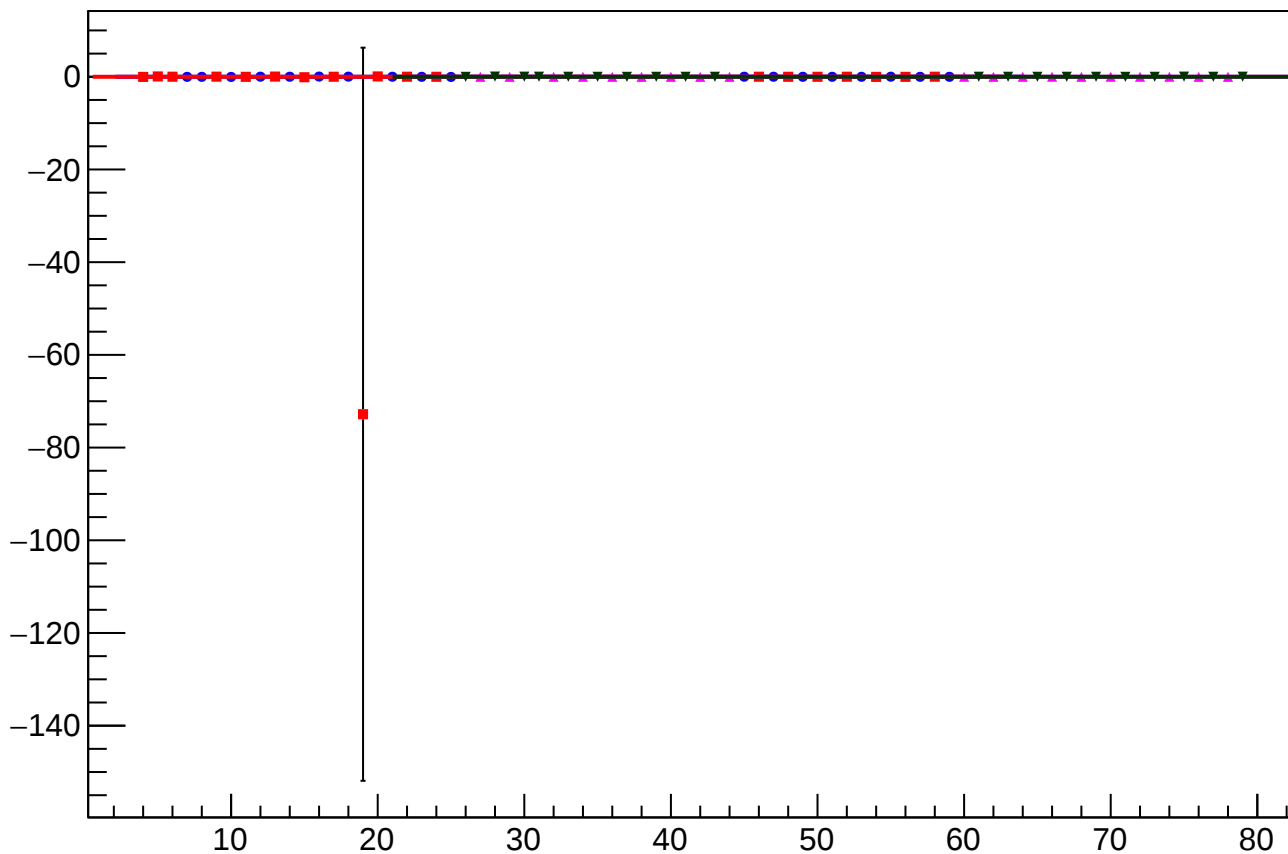
Right Out: 660.761+/-0.186 χ^2/NDF : 6222915.7/18

Left In: 996.992+/-0.253 χ^2/NDF : 4798644.0/18

766.270+/-0.142 χ^2/NDF : 12359548.7/37

778.225+/-0.150 χ^2/NDF : 12167396.1/37

diff_cav4dX_mean vs slug



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

Left Out: 0.002+/-0.003 χ^2/NDF :16.5/19

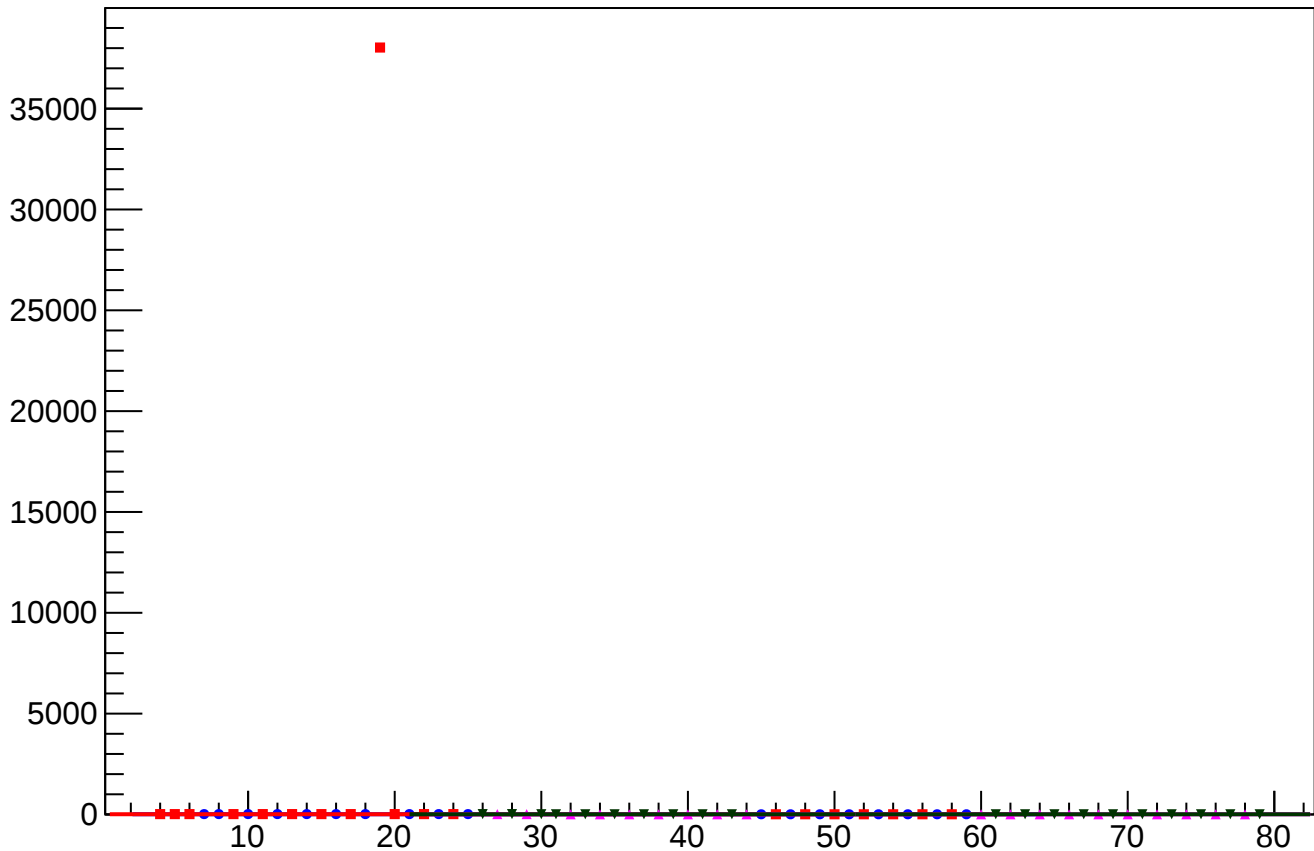
Right Out: 0.002+/-0.004 χ^2/NDF : 20.0/18

Left In: 0.002+/-0.003 χ^2/NDF :10.2/18

0.001+/-0.002 χ^2/NDF : 28.7/37

0.002+/-0.002 χ^2/NDF : 30.2/37

diff_cav4dX_rms vs slug



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

Left Out: 8.976 $\pm$ 0.002 χ^2 /NDF: 620948.5/19

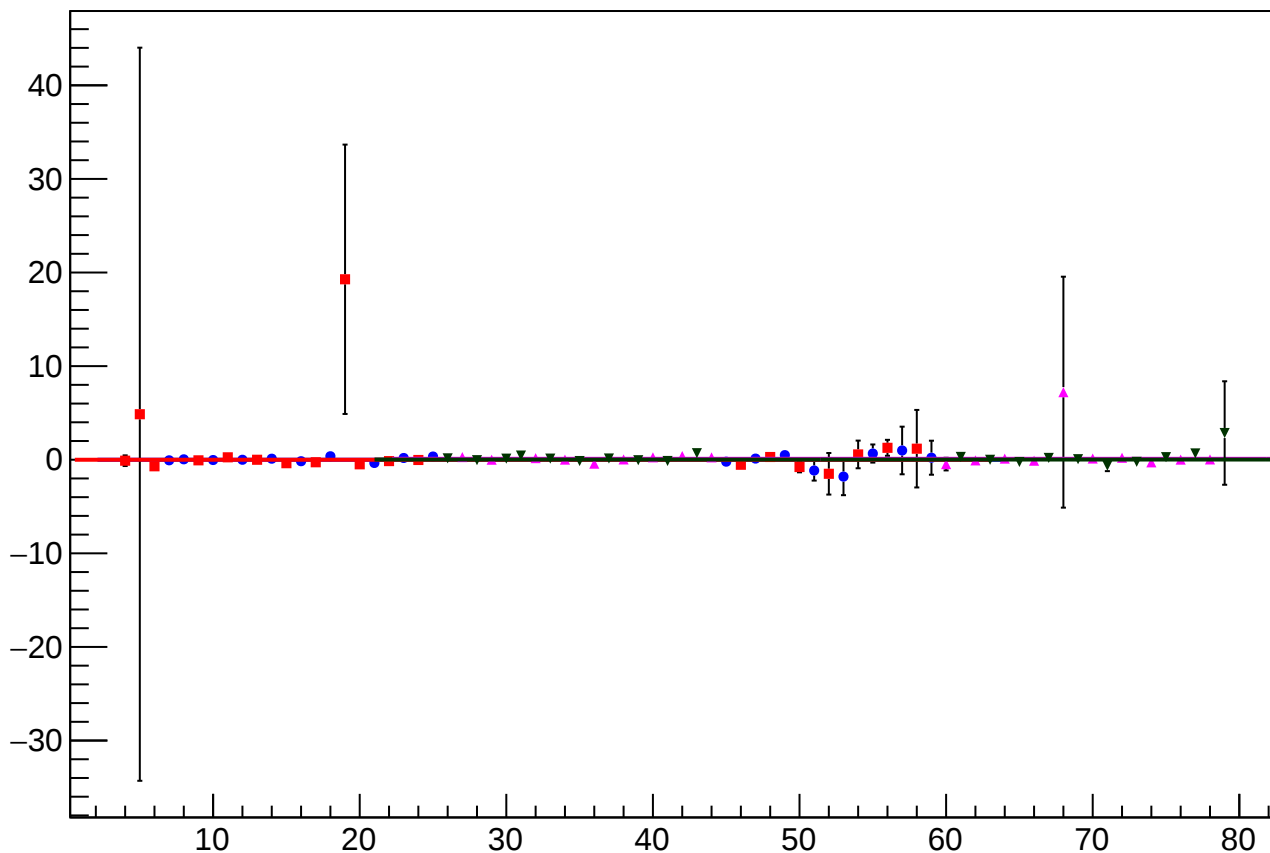
9.605 $\pm$ 0.002 χ^2 /NDF: 2817360.6/37

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

9.684 $\pm$ 0.002 χ^2 /NDF: 3391542.6/37

Left In: 9.003 $\pm$ 0.002 χ^2 /NDF: 785070.1/18

diff_cav4dY_mean vs slug



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

Left Out: 0.022 ± 0.044 χ^2/NDF : 26.2/19

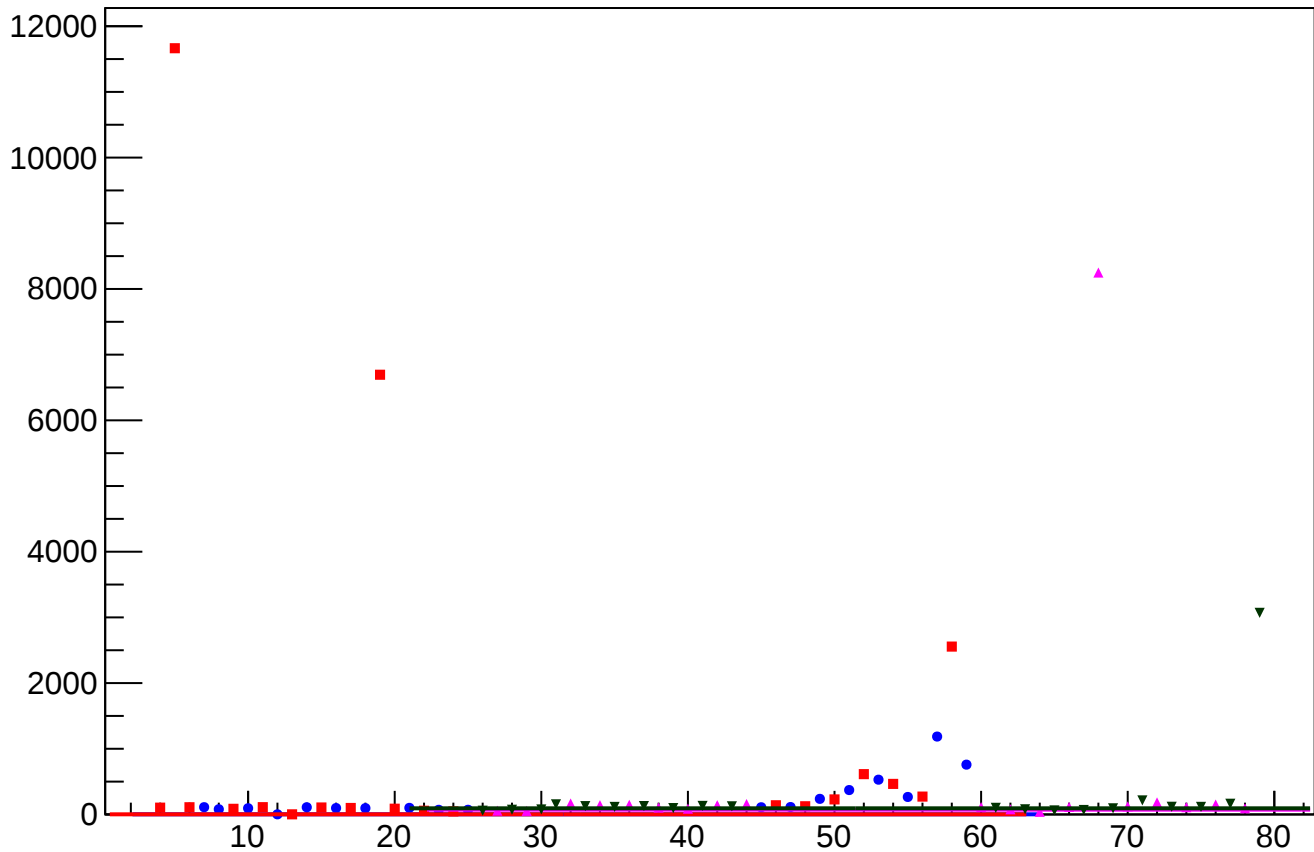
Right Out: -0.003 ± 0.003 χ^2/NDF : 21.1/18

Left In: 0.099 ± 0.037 χ^2/NDF : 15.3/18

-0.003 ± 0.003 χ^2/NDF : 47.4/37

-0.002 ± 0.003 χ^2/NDF : 43.8/37

diff_cav4dY_rms vs slug



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

Left Out: 93.389 $\pm$ 0.031 χ^2/NDF : 1388817.0/19

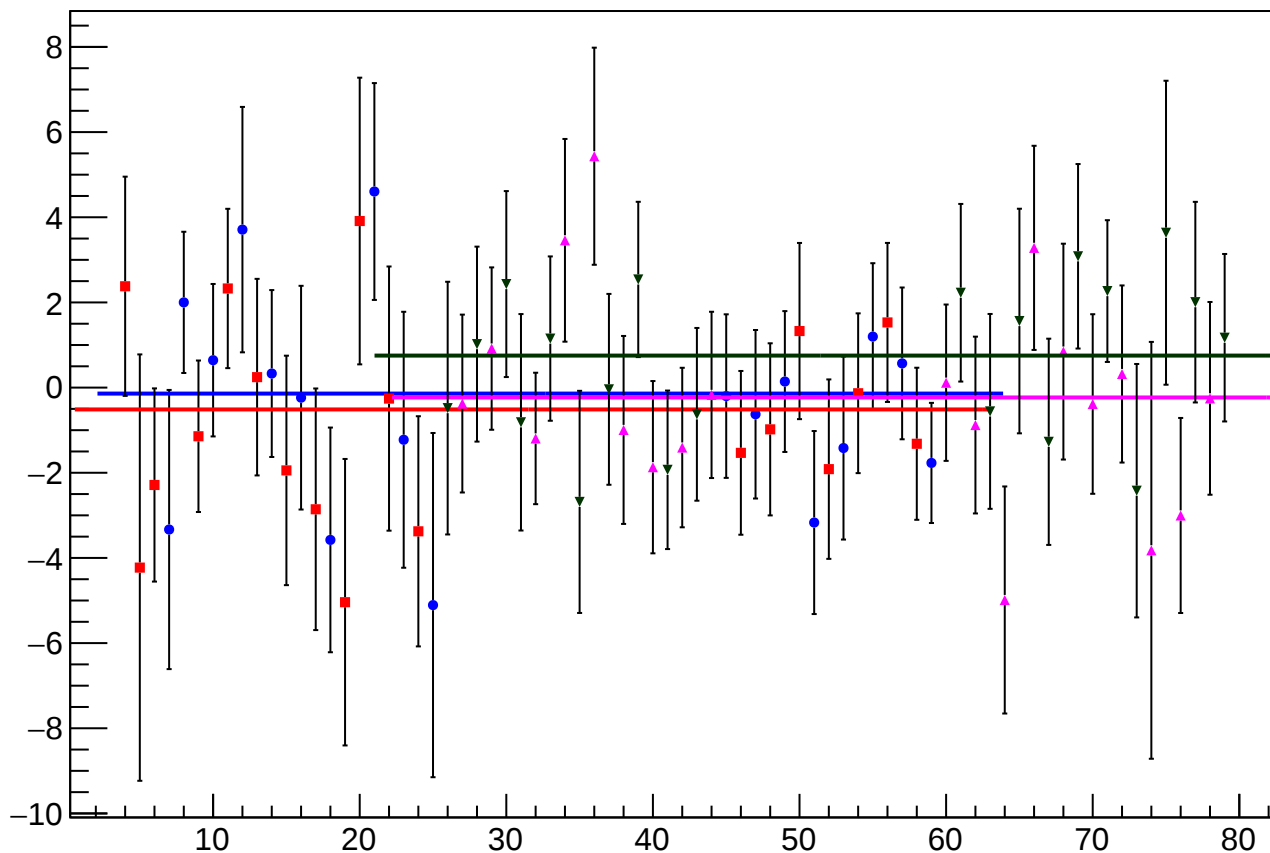
Right Out: 2.101 $\pm$ 0.002 χ^2/NDF : 6716516.3/18

Left In: 72.323 $\pm$ 0.026 χ^2/NDF : 3056093.6/18

2.662 $\pm$ 0.002 χ^2/NDF : 19172479.5/37

2.566 $\pm$ 0.002 χ^2/NDF : 16917900.1/37

diff_bpm4aX_mean vs slug



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

Left Out: 0.752 ± 0.497 $\chi^2/\text{NDF}: 12.3/19$

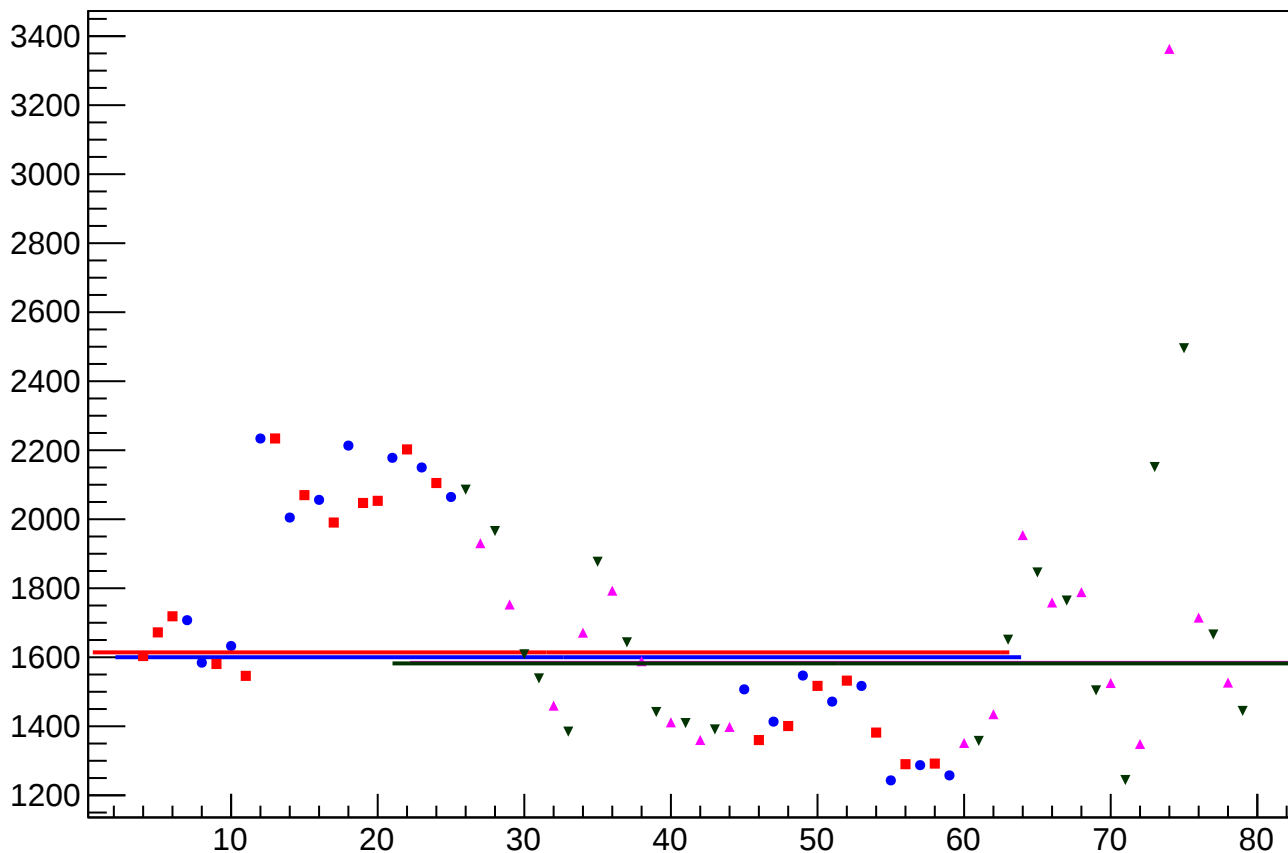
Right Out: -0.513 ± 0.519 $\chi^2/\text{NDF}: 13.6/18$

Left In: -0.232 ± 0.492 $\chi^2/\text{NDF}: 17.0/18$

0.295 ± 0.347 $\chi^2/\text{NDF}: 29.9/37$

-0.365 ± 0.357 $\chi^2/\text{NDF}: 30.8/37$

diff_bpm4aX_rms vs slug



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

Left Out: 1582.225 $\pm$ 0.351 χ^2 /NDF: 567431.4/19

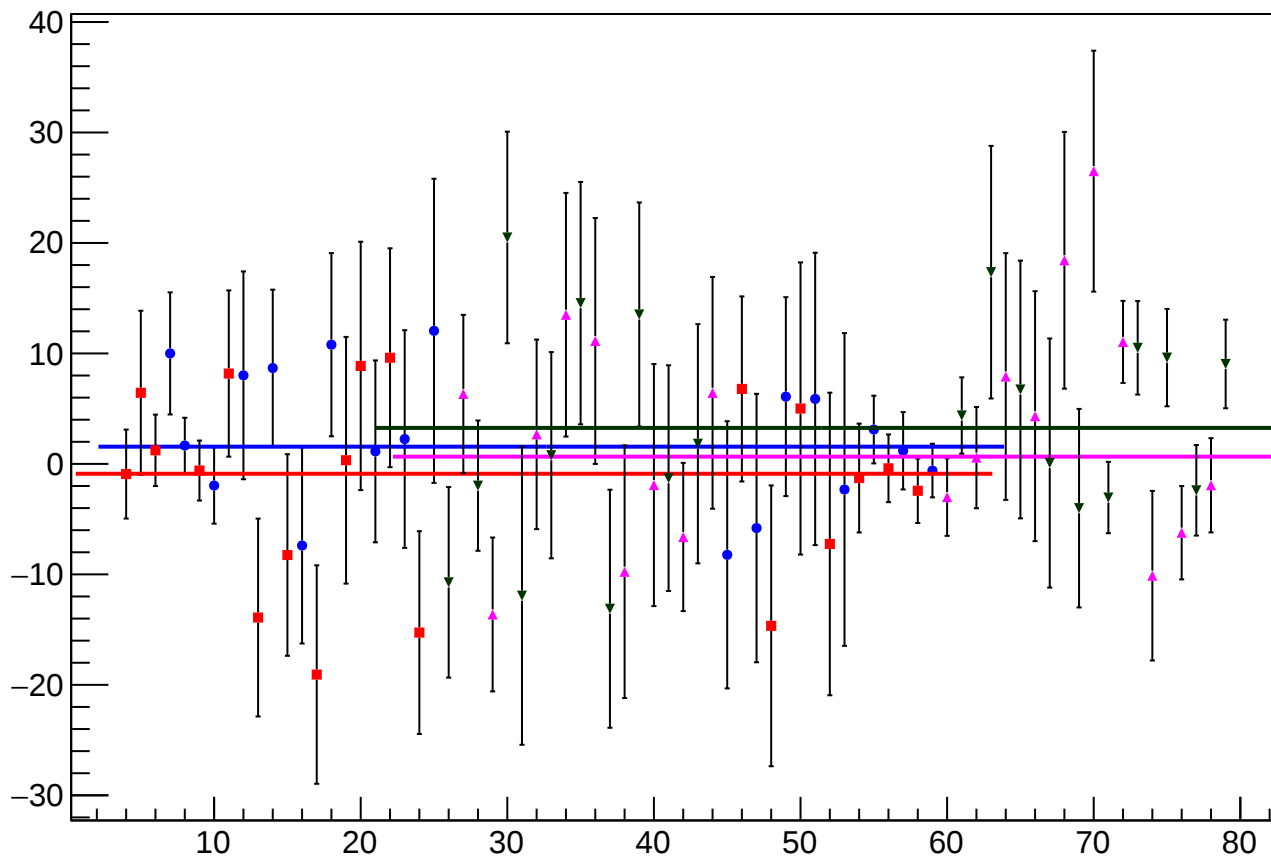
1591.370 $\pm$ 0.245 χ^2 /NDF: 1418512.9/37

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

1598.169 $\pm$ 0.252 χ^2 /NDF: 1238820.9/37

Left In: 1583.790 $\pm$ 0.348 χ^2 /NDF: 564833.5/18

diff_bpm4aY_mean vs slug



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

Left Out: 3.258 ± 1.338 $\chi^2/\text{NDF}: 27.9/19$

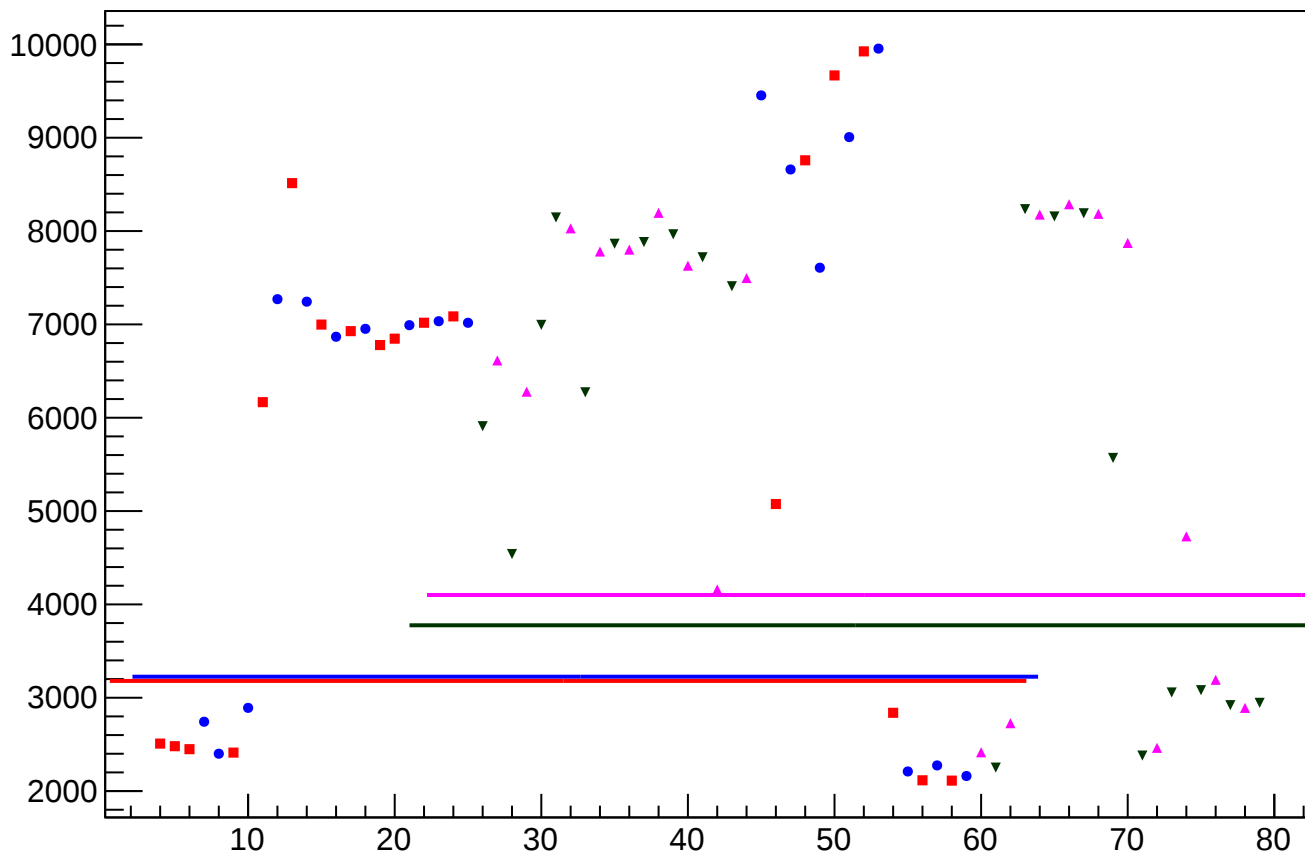
Right Out: -0.892 ± 1.197 $\chi^2/\text{NDF}: 16.1/18$

Left In: 0.656 ± 1.446 $\chi^2/\text{NDF}: 31.9/18$

2.281 ± 0.871 $\chi^2/\text{NDF}: 39.0/37$

-0.263 ± 0.922 $\chi^2/\text{NDF}: 48.7/37$

diff_bpm4aY_rms vs slug



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

Left Out: 3776.238+/-0.946 χ^2/NDF :4183707.9/19

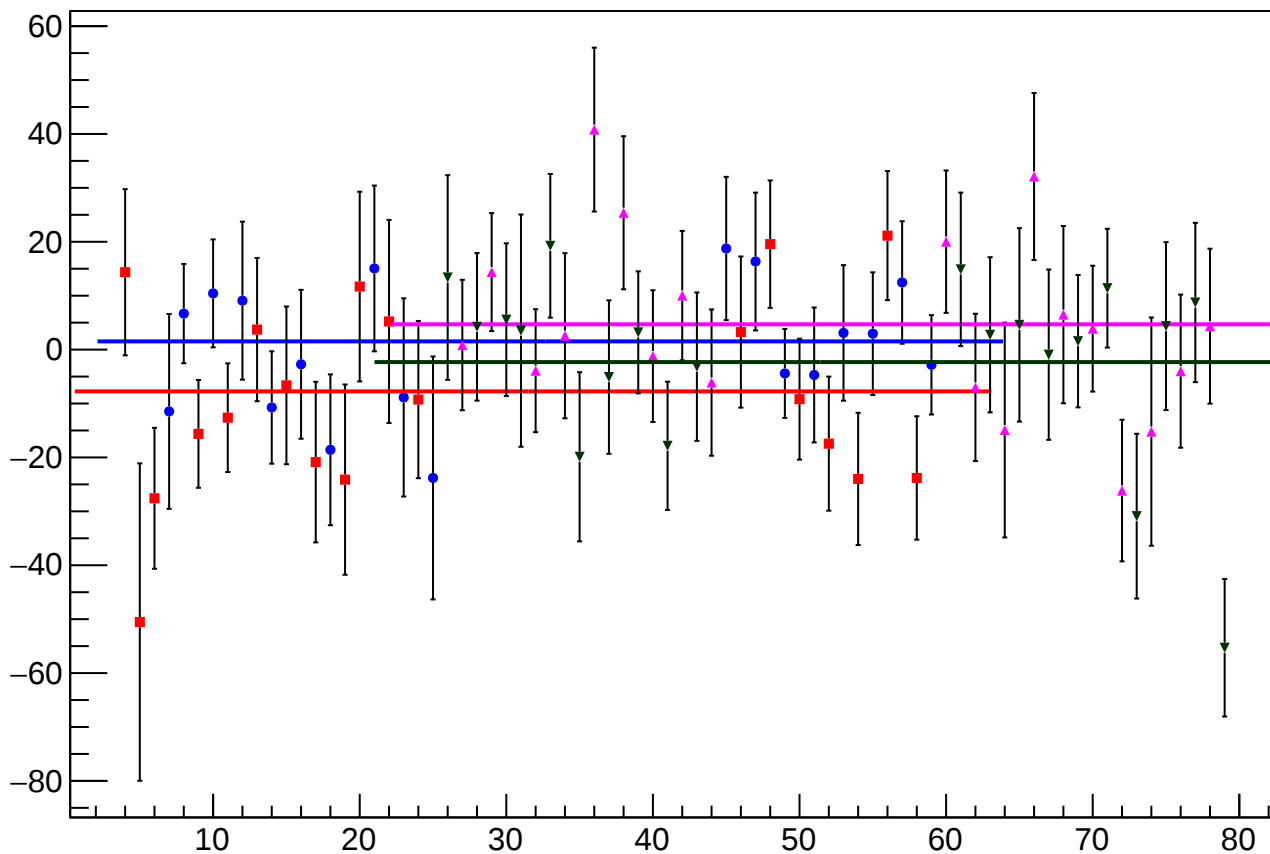
Right Out: 3180.260+/-0.846 χ^2/NDF : 5053490.5/18

Left In: 4100.612+/-1.022 χ^2/NDF :4302279.8/18

3459.111+/-0.616 χ^2/NDF : 10239792.5/37

3554.420+/-0.652 χ^2/NDF : 9836697.1/37

diff_bpm4eX_mean vs slug



Right In: 1.521 ± 2.832 $\chi^2/\text{NDF}: 12.8/17$

Left Out: -2.315 ± 3.147 $\chi^2/\text{NDF}: 32.1/19$

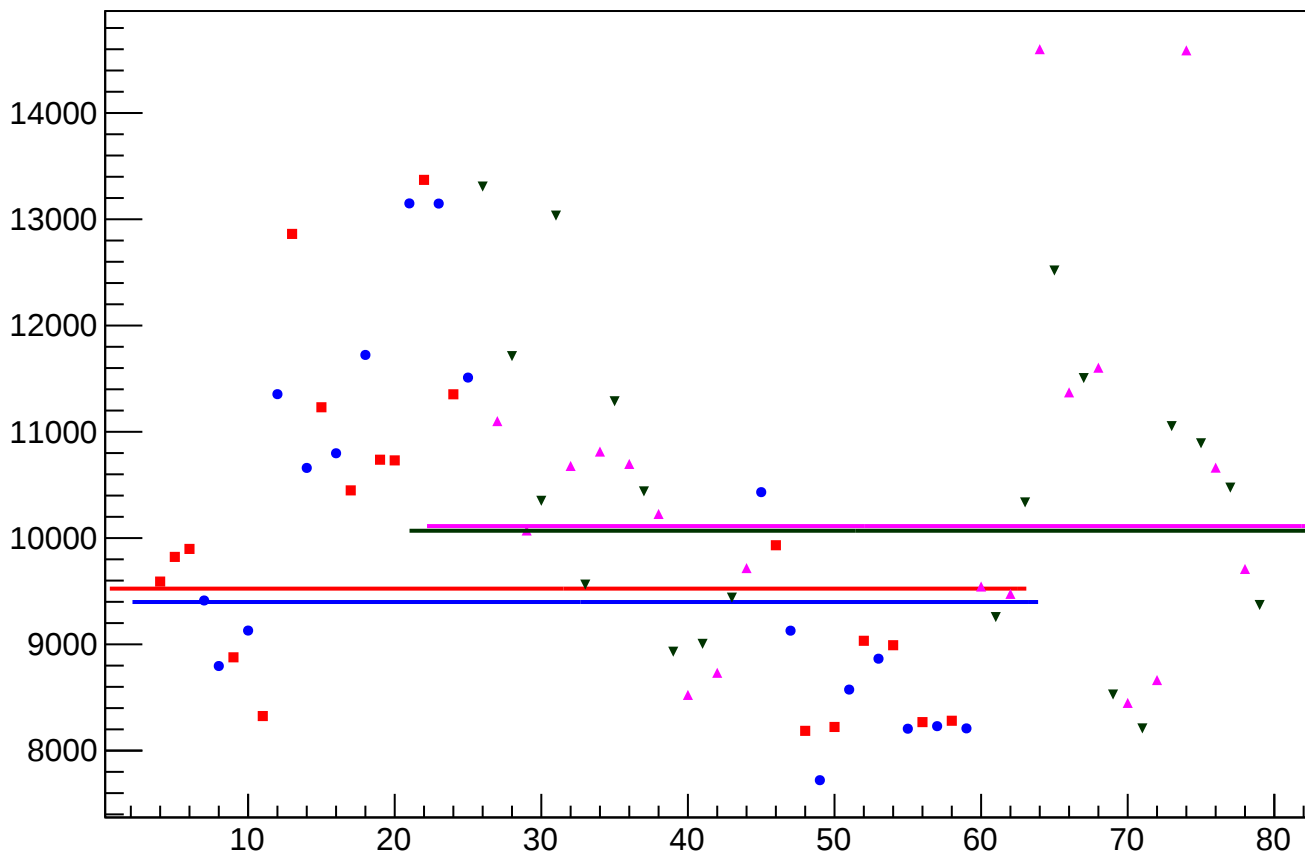
Right Out: -7.752 ± 3.046 $\chi^2/\text{NDF}: 27.5/18$

Left In: 4.692 ± 3.129 $\chi^2/\text{NDF}: 23.3/18$

-0.195 ± 2.105 $\chi^2/\text{NDF}: 45.6/37$

-1.697 ± 2.182 $\chi^2/\text{NDF}: 59.0/37$

diff_bpm4eX_rms vs slug



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

Left Out: 10069.005+/-2.226 χ^2/NDF : 353516.9/19

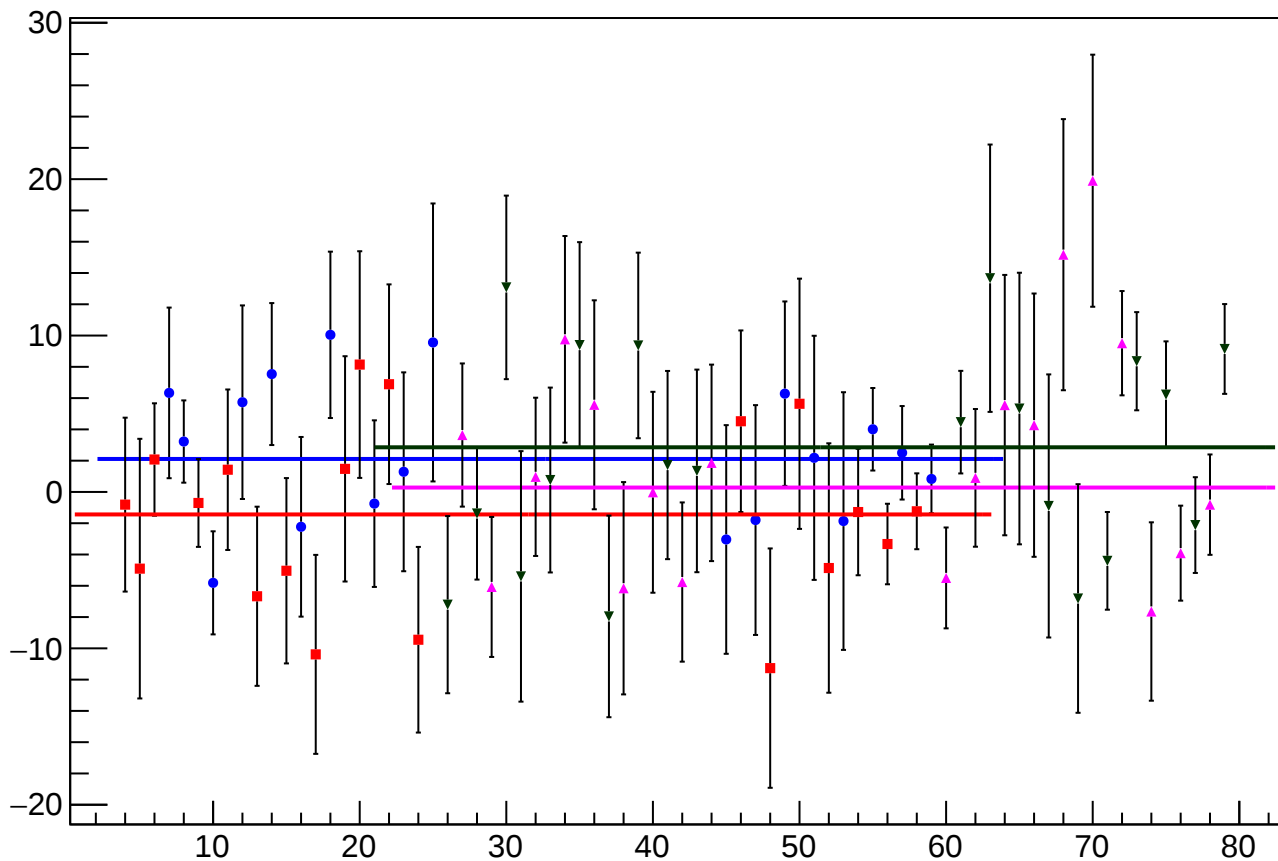
Right Out: 9524.317+/-2.154 χ^2/NDF : 440161.2/18

Left In: 10113.013+/-2.212 χ^2/NDF : 385775.8/18

9698.447+/-1.489 χ^2/NDF : 958561.3/37

9810.759+/-1.543 χ^2/NDF : 862295.5/37

diff_bpm4eY_mean vs slug



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

Left Out: 2.855+/-1.021 χ^2/NDF : 34.2/19

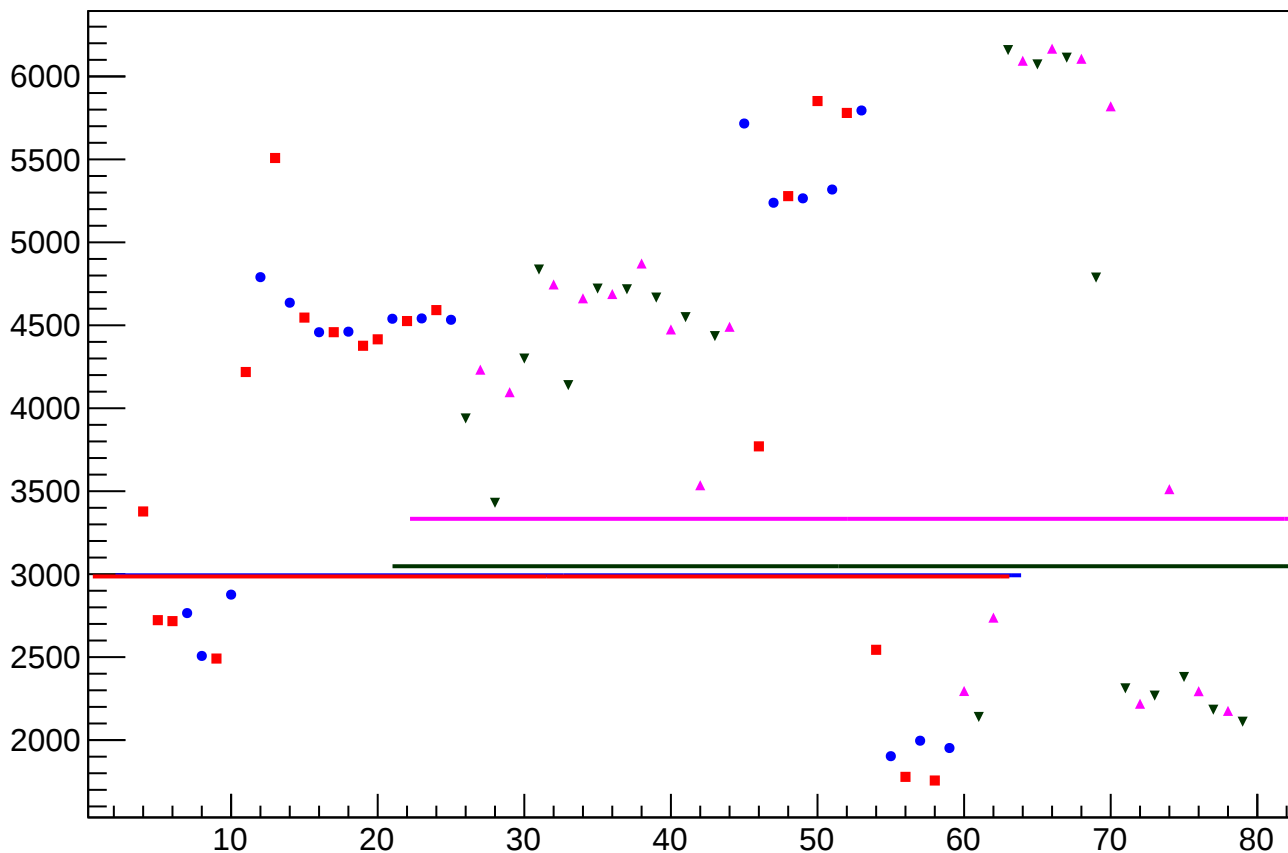
2.467+/-0.707 χ^2/NDF : 49.0/37

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

-0.628+/-0.757 χ^2/NDF : 47.6/37

Left In: 0.281+/-1.102 χ^2/NDF : 32.0/18

diff_bpm4eY_rms vs slug



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

Left Out: 3047.753 $\pm$ 0.722 χ^2 /NDF:2677545.3/19

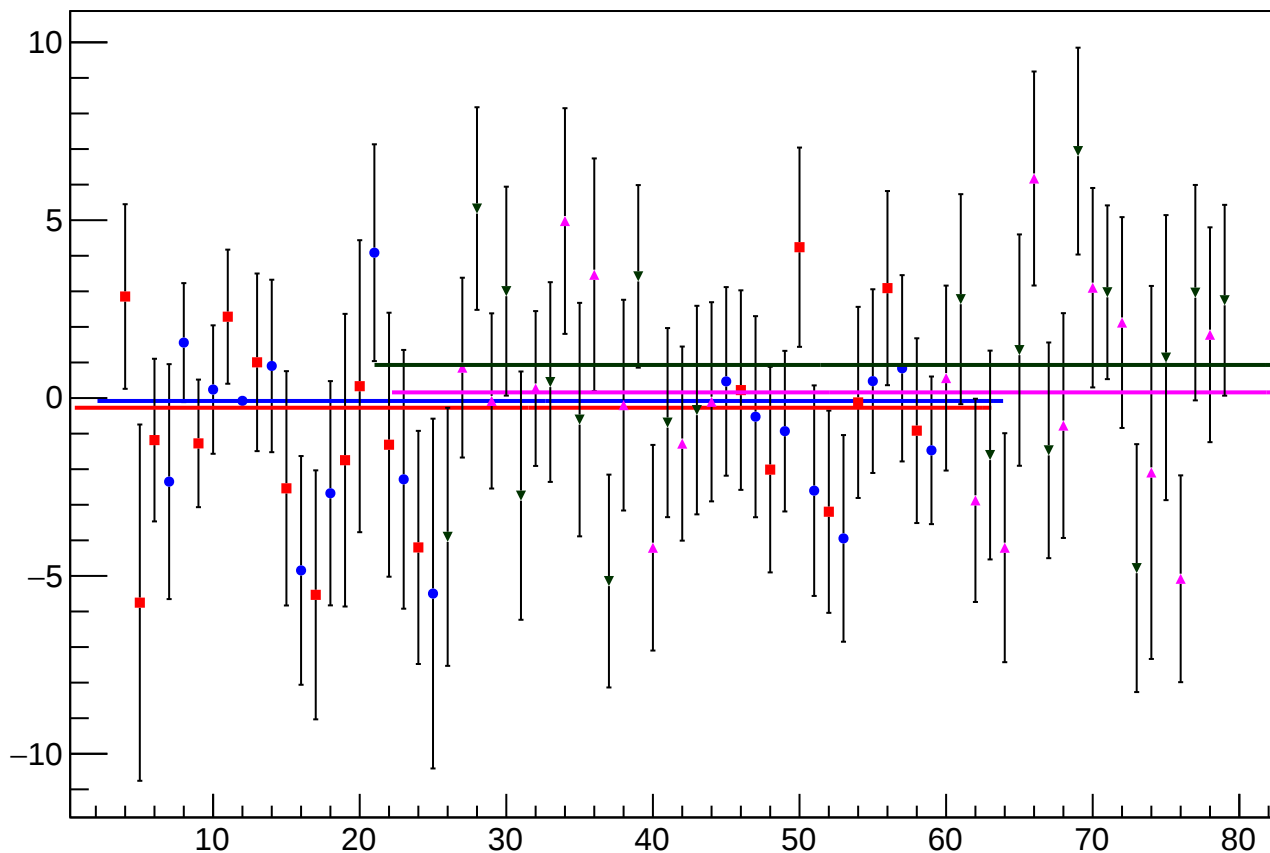
Right Out: 2986.116 $\pm$ 0.736 χ^2 /NDF: 2945634.2/18

Left In: 3333.558 $\pm$ 0.779 χ^2 /NDF:2496745.9/18

3019.337 $\pm$ 0.500 χ^2 /NDF: 5998639.5/37

3149.800 $\pm$ 0.535 χ^2 /NDF: 5547488.2/37

diff_bpm4acX_mean vs slug



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

Left Out: 0.931 ± 0.666 χ^2/NDF : 22.0/19

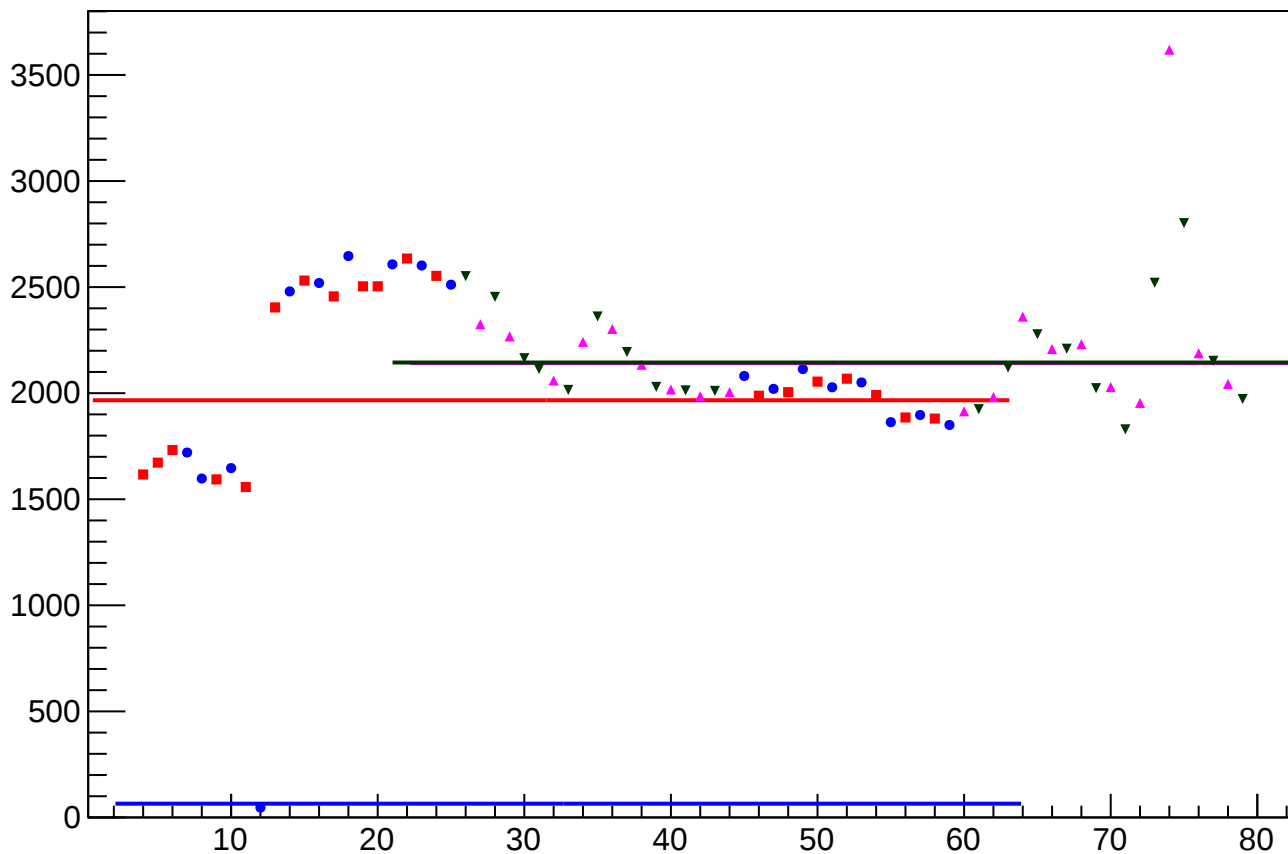
Right Out: -0.272 ± 0.631 χ^2/NDF : 15.3/18

Left In: 0.160 ± 0.659 χ^2/NDF : 18.3/18

-0.074 ± 0.060 χ^2/NDF : 35.6/37

-0.066 ± 0.456 χ^2/NDF : 33.8/37

diff_bpm4acX_rms vs slug



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

Left Out: 2144.554+/-0.471 χ^2/NDF : 213185.7/19

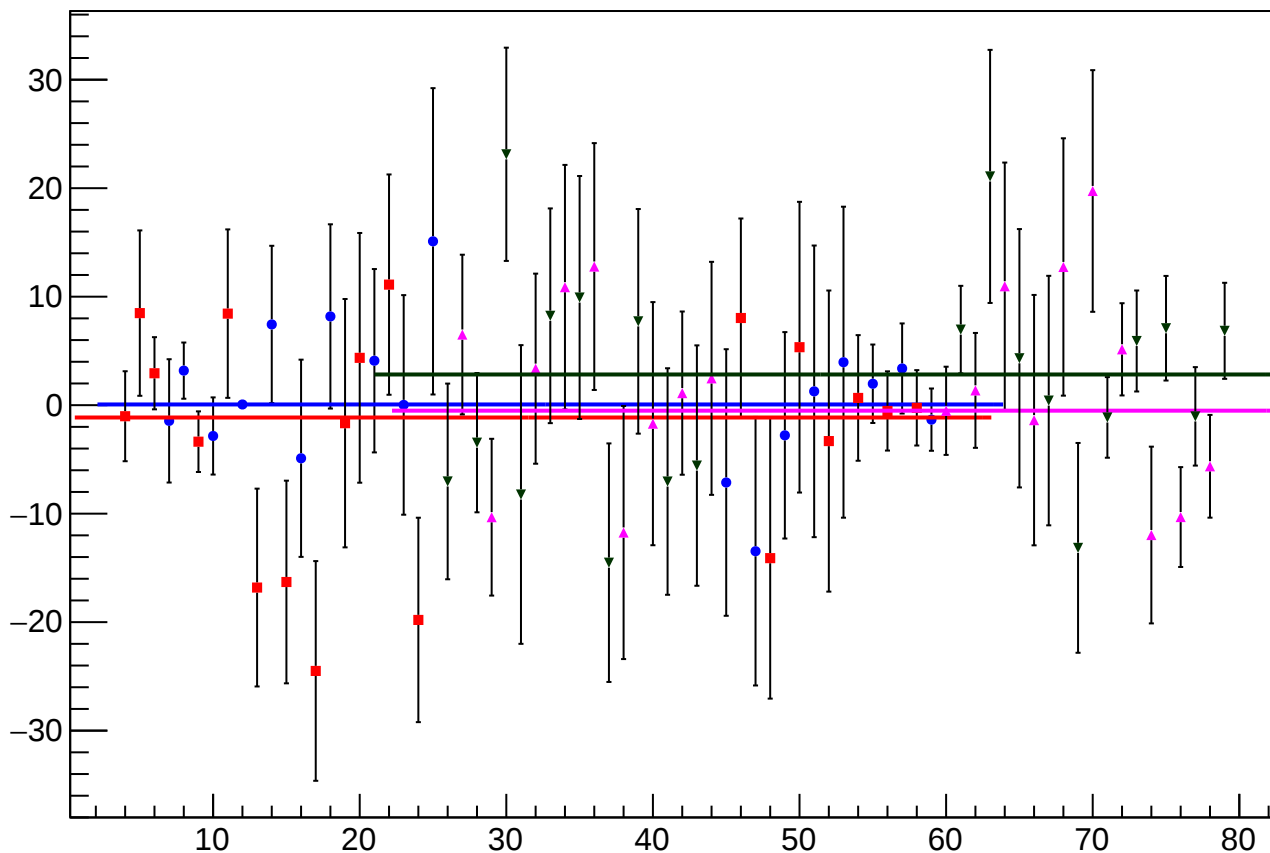
Right Out: 1966.634+/-0.446 χ^2/NDF : 610680.3/18

Left In: 2141.778+/-0.466 χ^2/NDF : 246463.4/18

81.658+/-0.042 χ^2/NDF : 39789570.8/37

2050.465+/-0.322 χ^2/NDF : 930844.7/37

diff_bpm4acY_mean vs slug



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

Left Out: 2.829 ± 1.473 χ^2/NDF : 22.1/19

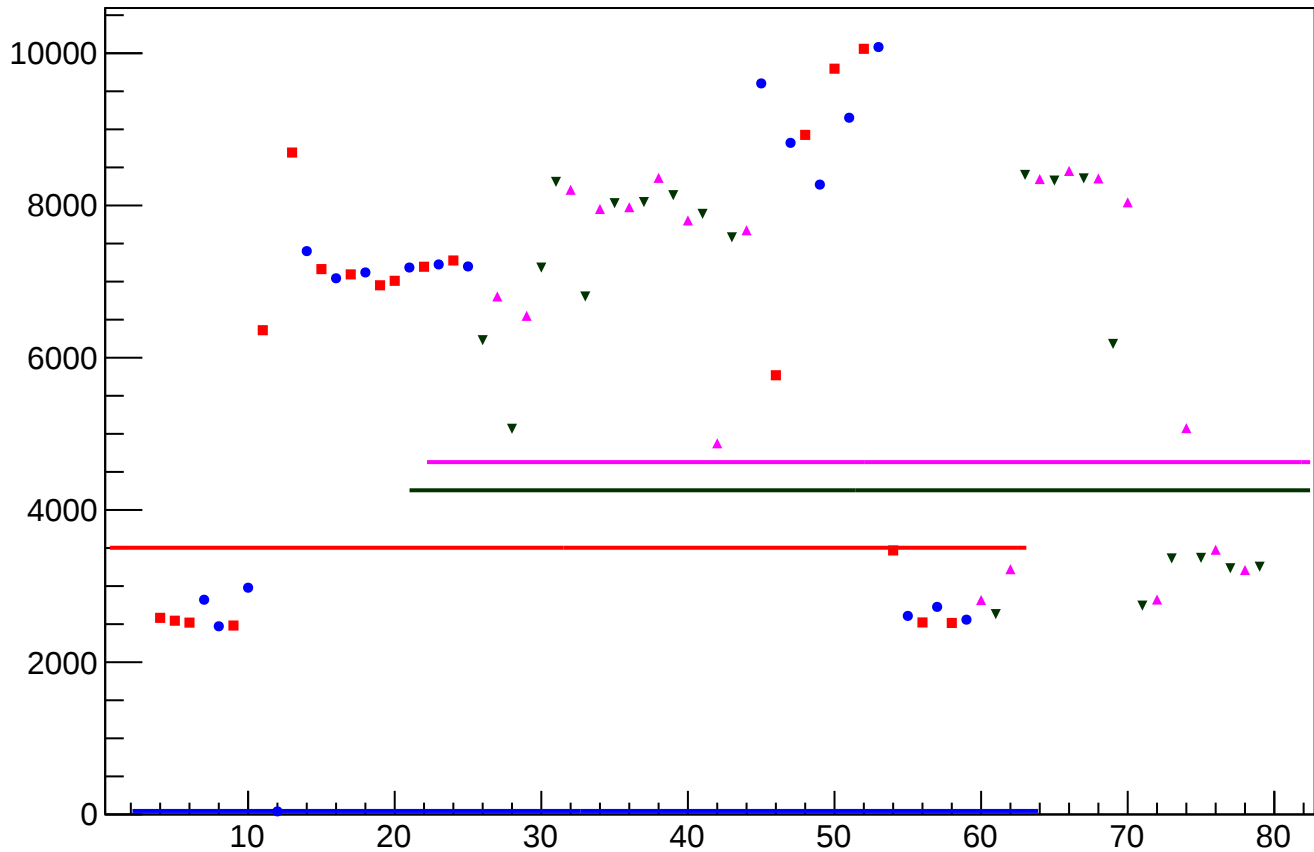
Right Out: -1.137 ± 1.295 χ^2/NDF : 24.2/18

Left In: -0.507 ± 1.588 χ^2/NDF : 21.6/18

0.069 ± 0.052 χ^2/NDF : 34.3/37

-0.885 ± 1.004 χ^2/NDF : 45.9/37

diff_bpm4acY_rms vs slug



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

Left Out: 4258.528+/-1.042 χ^2/NDF : 3599477.2/19

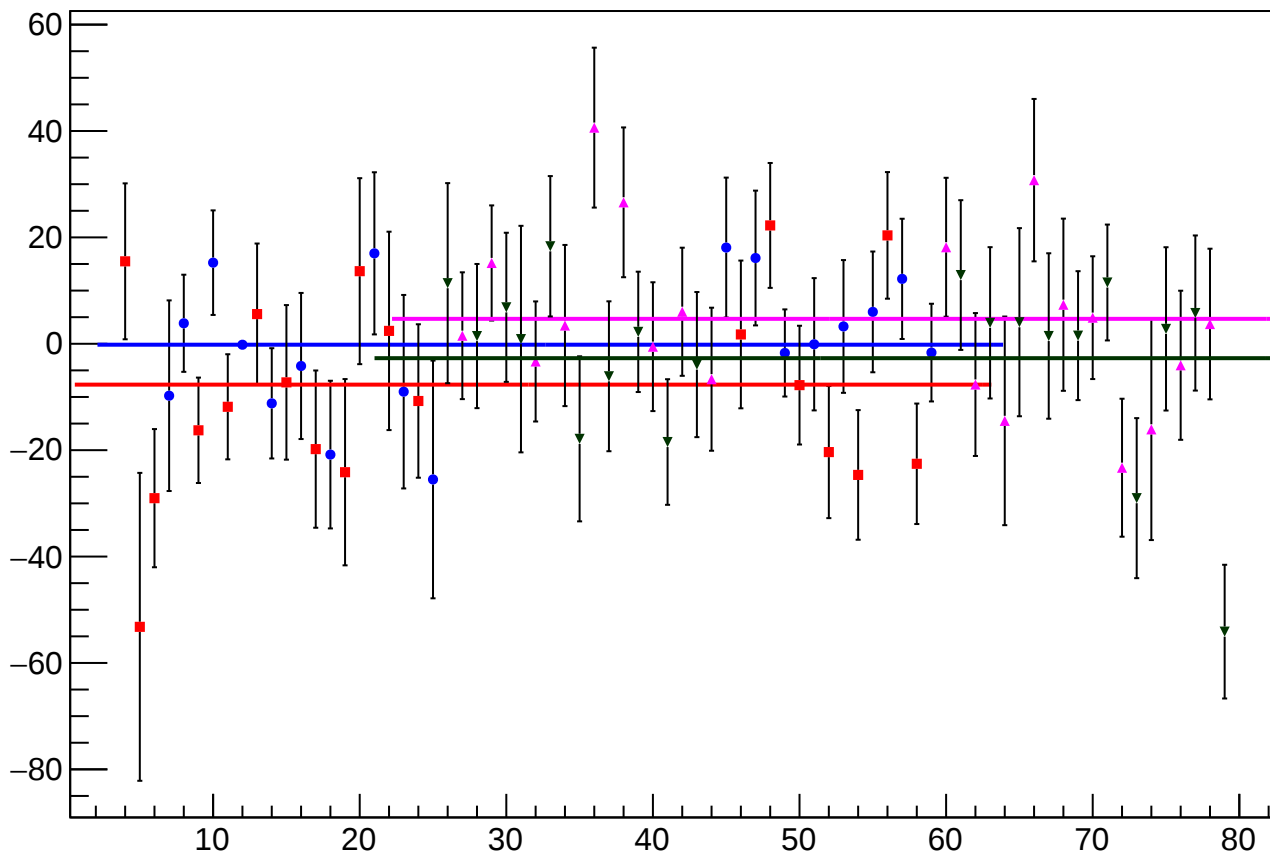
Right Out: 3503.720+/-0.916 χ^2/NDF : 4669685.2/18

Left In: 4628.590+/-1.123 χ^2/NDF : 3553296.2/18

51.512+/-0.037 χ^2/NDF : 40101391.5/37

3953.192+/-0.710 χ^2/NDF : 8825741.4/37

diff_bpm4ecX_mean vs slug



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

Left Out: -2.707 ± 3.114 χ^2/NDF : 30.4/19

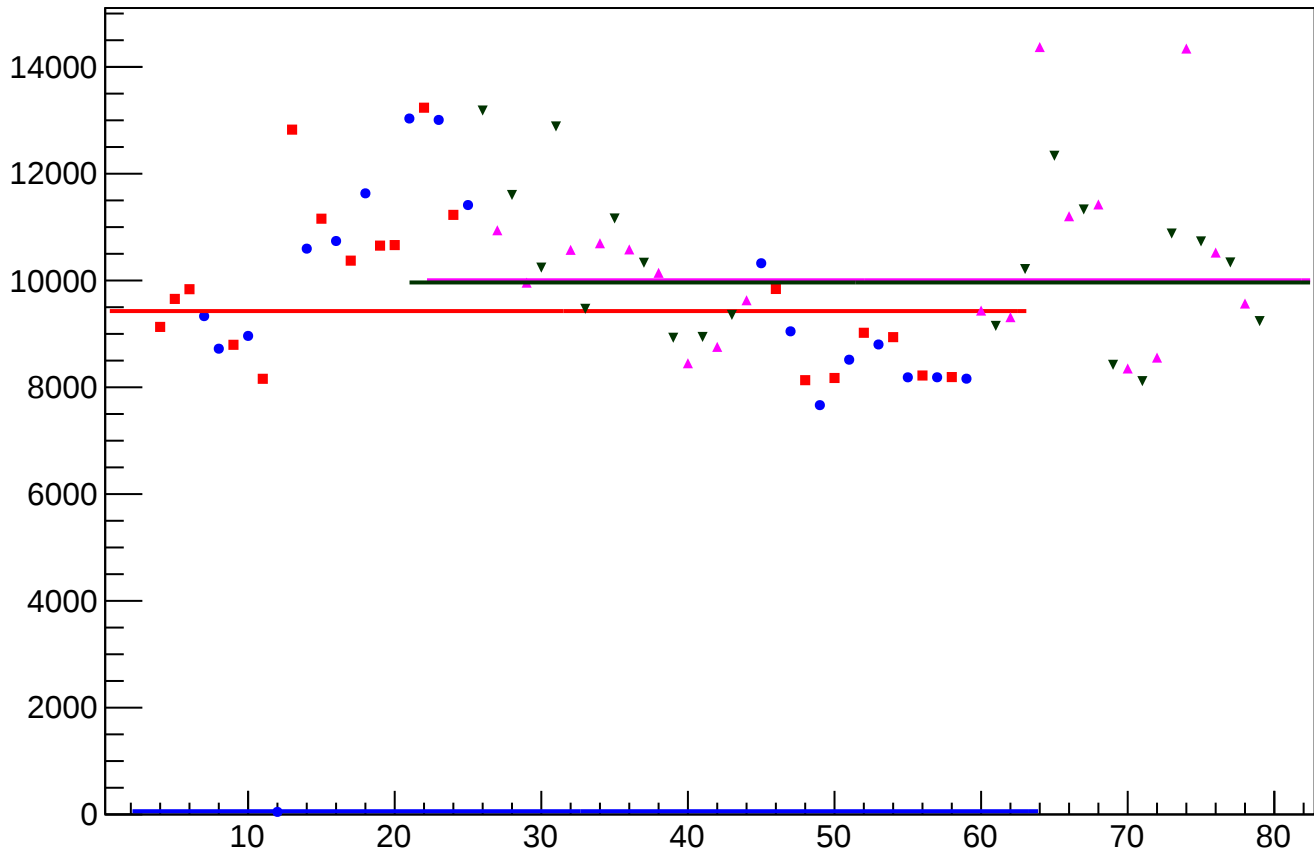
Right Out: -7.679 ± 3.015 χ^2/NDF : 30.2/18

Left In: 4.687 ± 3.094 χ^2/NDF : 22.4/18

-0.177 ± 0.106 χ^2/NDF : 45.5/37

-1.655 ± 2.159 χ^2/NDF : 60.8/37

diff_bpm4ecX_rms vs slug



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

Left Out: 9963.290+/-2.202 χ^2/NDF : 347241.1/19

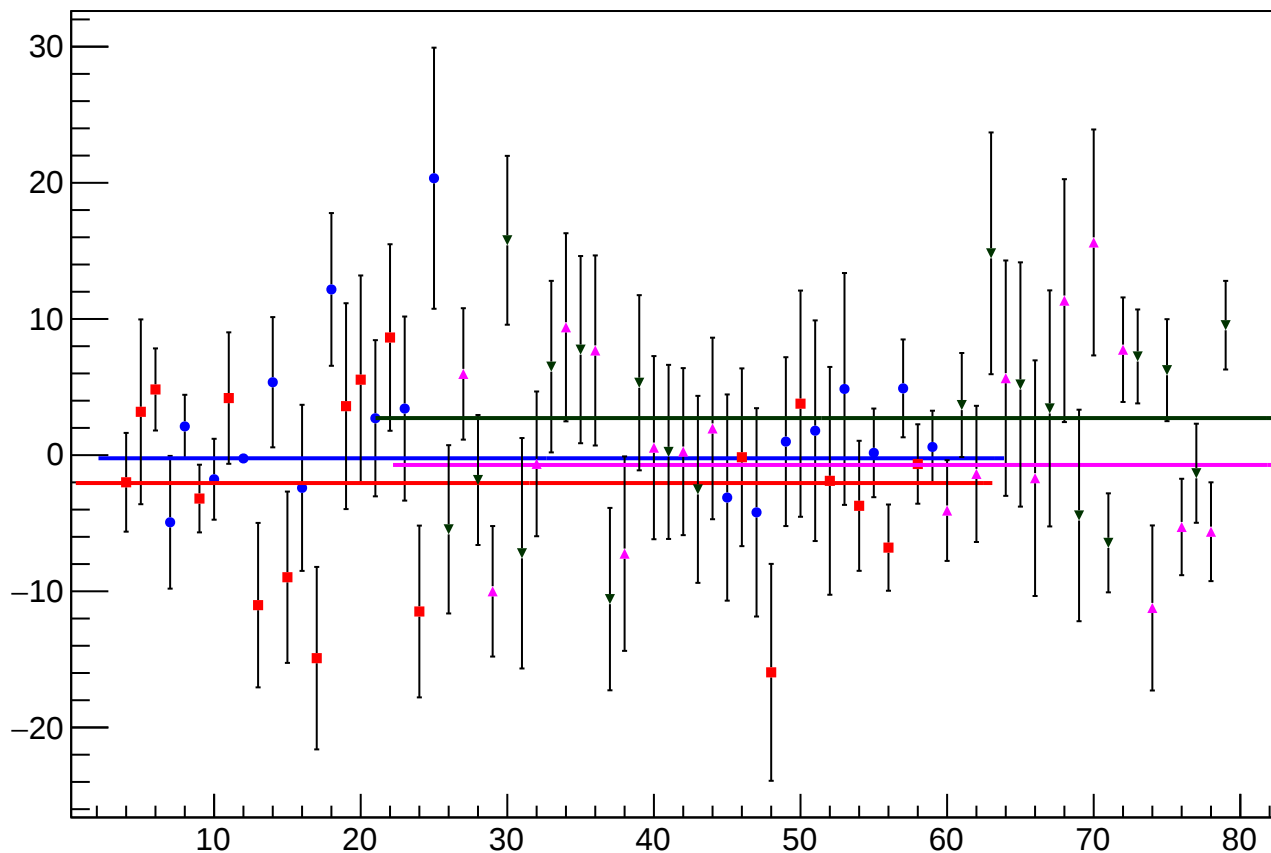
Right Out: 9427.549+/-2.132 χ^2/NDF : 447350.4/18

Left In: 10004.051+/-2.188 χ^2/NDF : 374330.0/18

72.303+/-0.075 χ^2/NDF : 41671804.0/37

9708.395+/-1.527 χ^2/NDF : 857291.8/37

diff_bpm4ecY_mean vs slug



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

Left Out: 2.723 ± 1.137 χ^2/NDF : 31.6/19

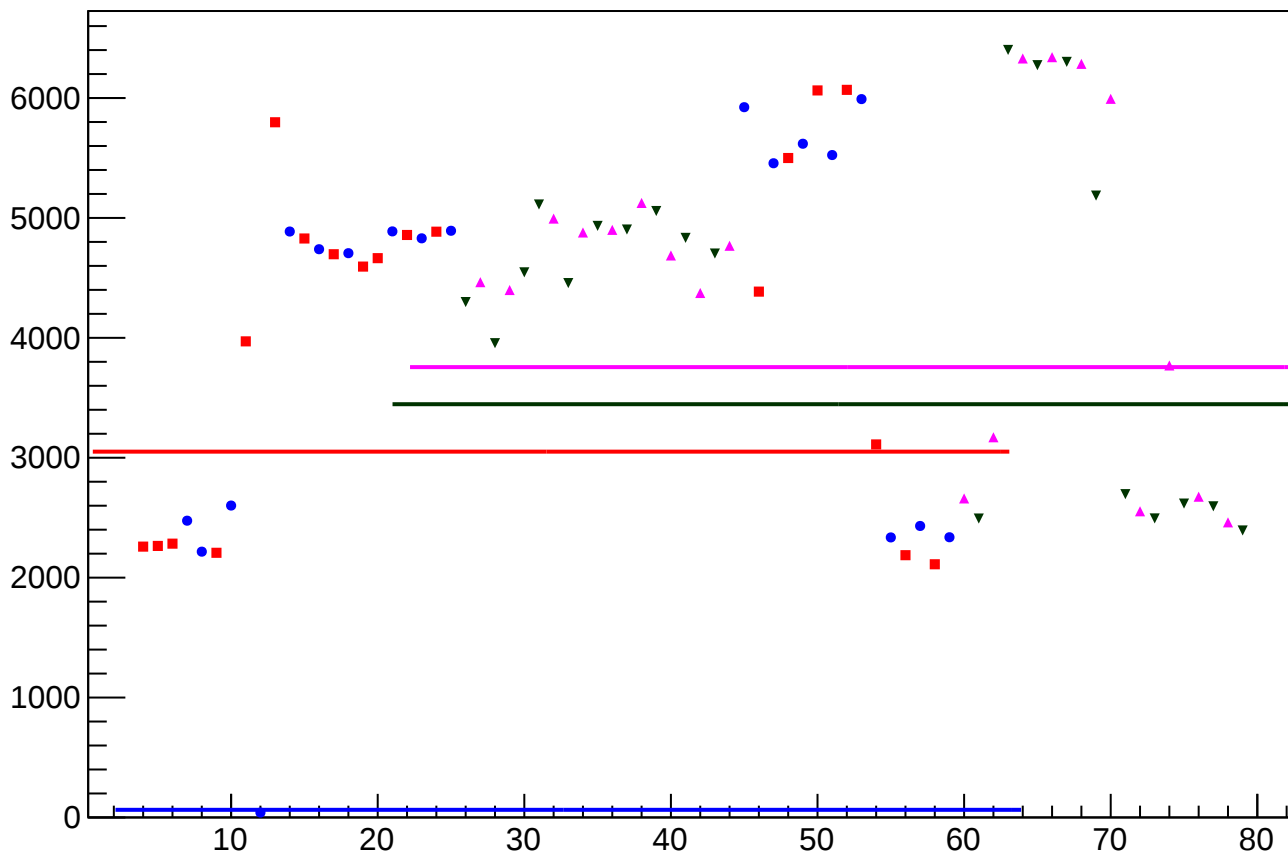
Right Out: -2.049 ± 1.055 χ^2/NDF : 27.2/18

Left In: -0.721 ± 1.220 χ^2/NDF : 28.8/18

-0.212 ± 0.090 χ^2/NDF : 55.1/37

-1.481 ± 0.798 χ^2/NDF : 56.6/37

diff_bpm4ecY_rms vs slug



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

Left Out: 3446.490+/-0.804 χ^2/NDF : 2243941.2/19

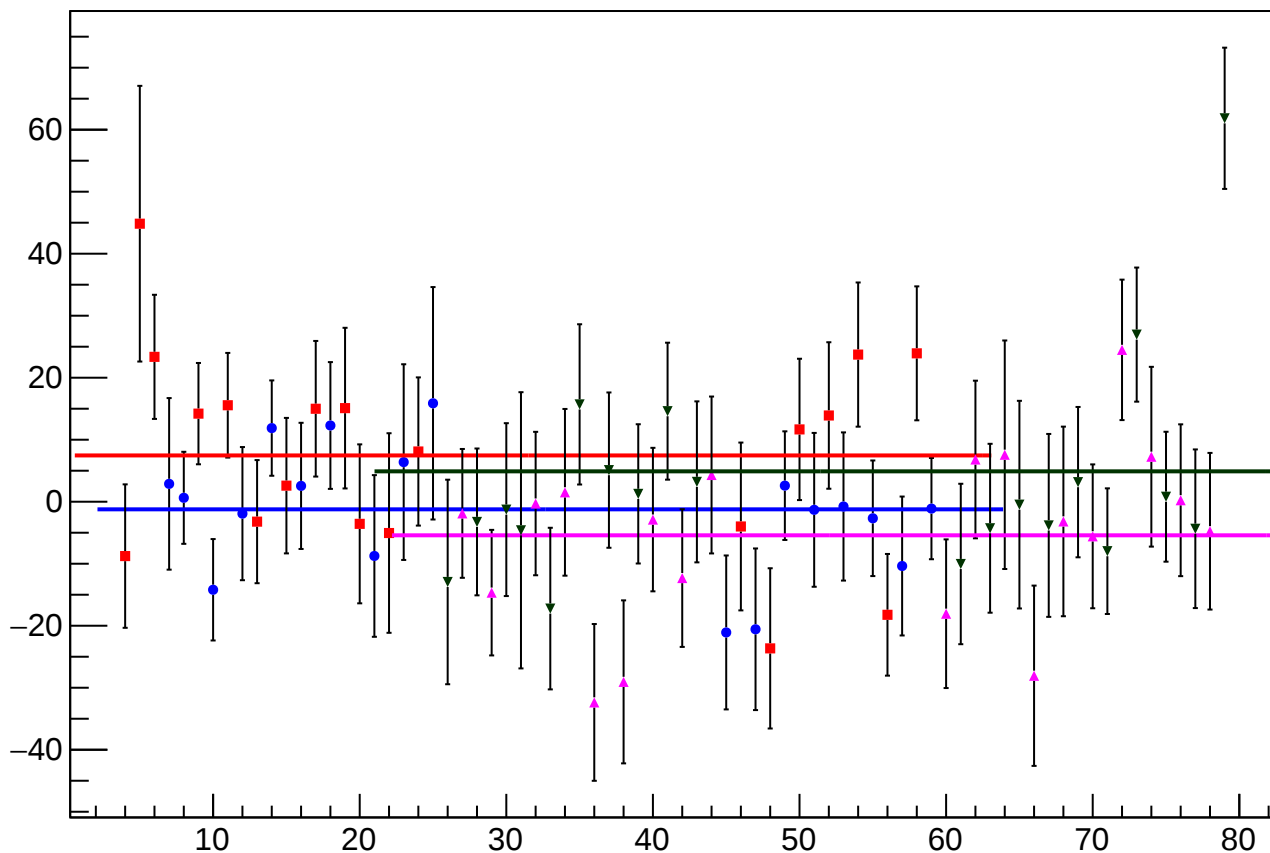
Right Out: 3050.872+/-0.746 χ^2/NDF : 2882138.2/18

Left In: 3755.814+/-0.863 χ^2/NDF : 1974650.5/18

84.674+/-0.063 χ^2/NDF : 40092634.1/37

3352.621+/-0.564 χ^2/NDF : 5238716.6/37

diff_bpm1X_mean vs slug



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

Left Out: 4.899 ± 2.819 χ^2/NDF : 40.2/19

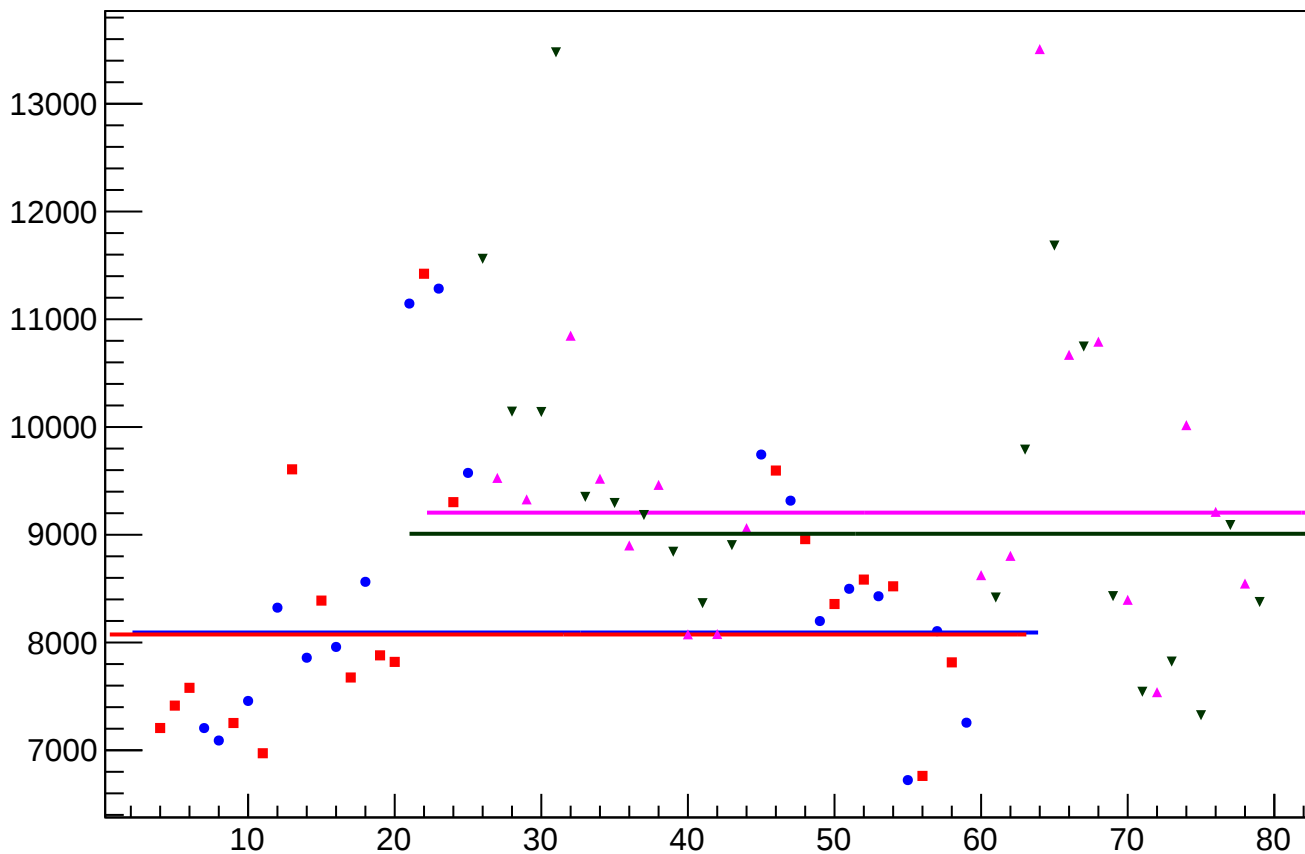
Right Out: 7.465 ± 2.574 χ^2/NDF : 30.5/18

Left In: -5.417 ± 2.841 χ^2/NDF : 23.2/18

1.384 ± 1.841 χ^2/NDF : 57.4/37

1.657 ± 1.907 χ^2/NDF : 65.0/37

diff_bpm1X_rms vs slug



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

Left Out: 9009.153+/-1.993 χ^2/NDF : 387946.5/19

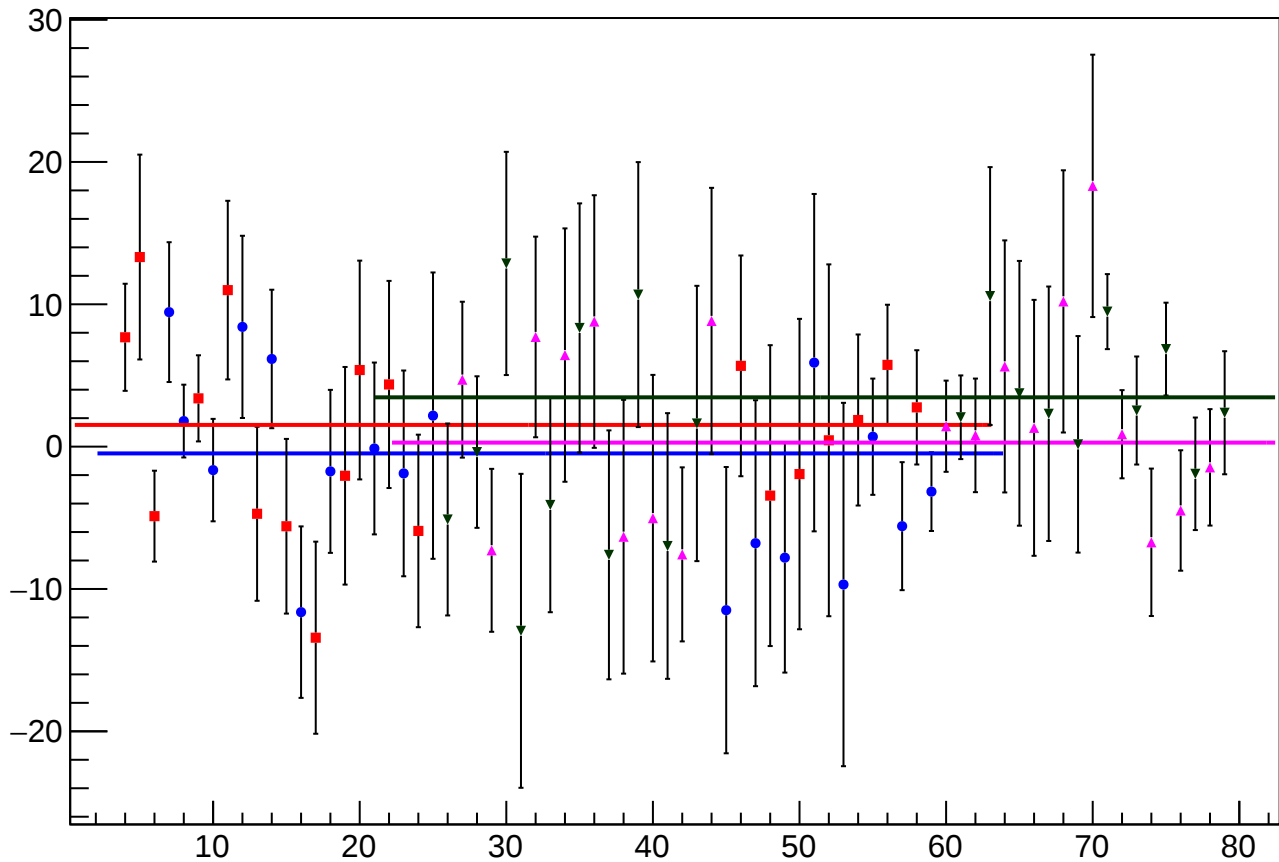
Right Out: 8074.654+/-1.820 χ^2/NDF : 312658.9/18

Left In: 9205.334+/-2.009 χ^2/NDF : 307705.5/18

8483.548+/-1.302 χ^2/NDF : 898510.0/37

8584.398+/-1.349 χ^2/NDF : 794369.3/37

diff_bpm1Y_mean vs slug



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

Left Out: 3.463 ± 1.152 $\chi^2/\text{NDF}: 19.9/19$

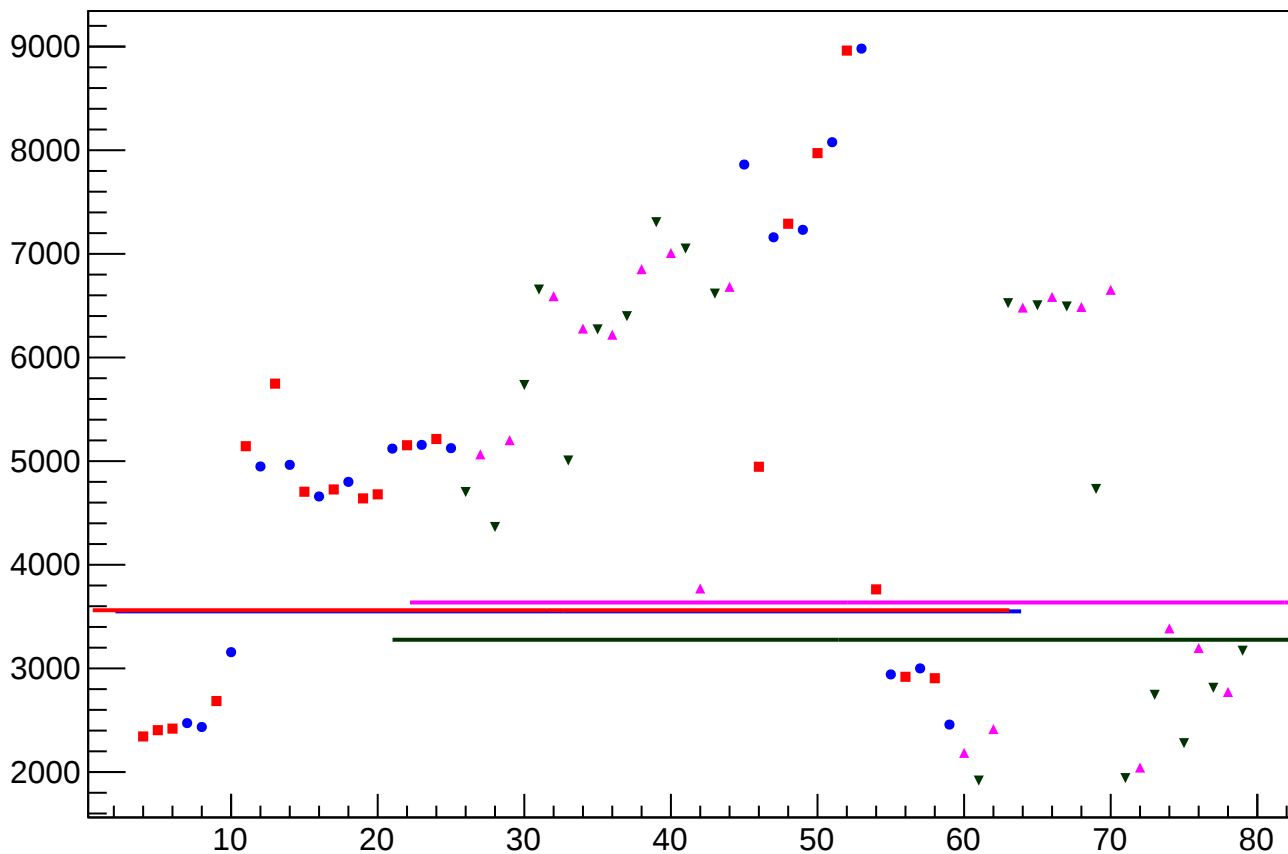
Right Out: 1.525 ± 1.232 $\chi^2/\text{NDF}: 22.9/18$

Left In: 0.282 ± 1.256 $\chi^2/\text{NDF}: 17.0/18$

1.509 ± 0.818 $\chi^2/\text{NDF}: 43.6/37$

0.916 ± 0.879 $\chi^2/\text{NDF}: 40.4/37$

diff_bpm1Y_rms vs slug



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

Left Out: 3276.586+/-0.815 χ^2/NDF : 4118086.1/19

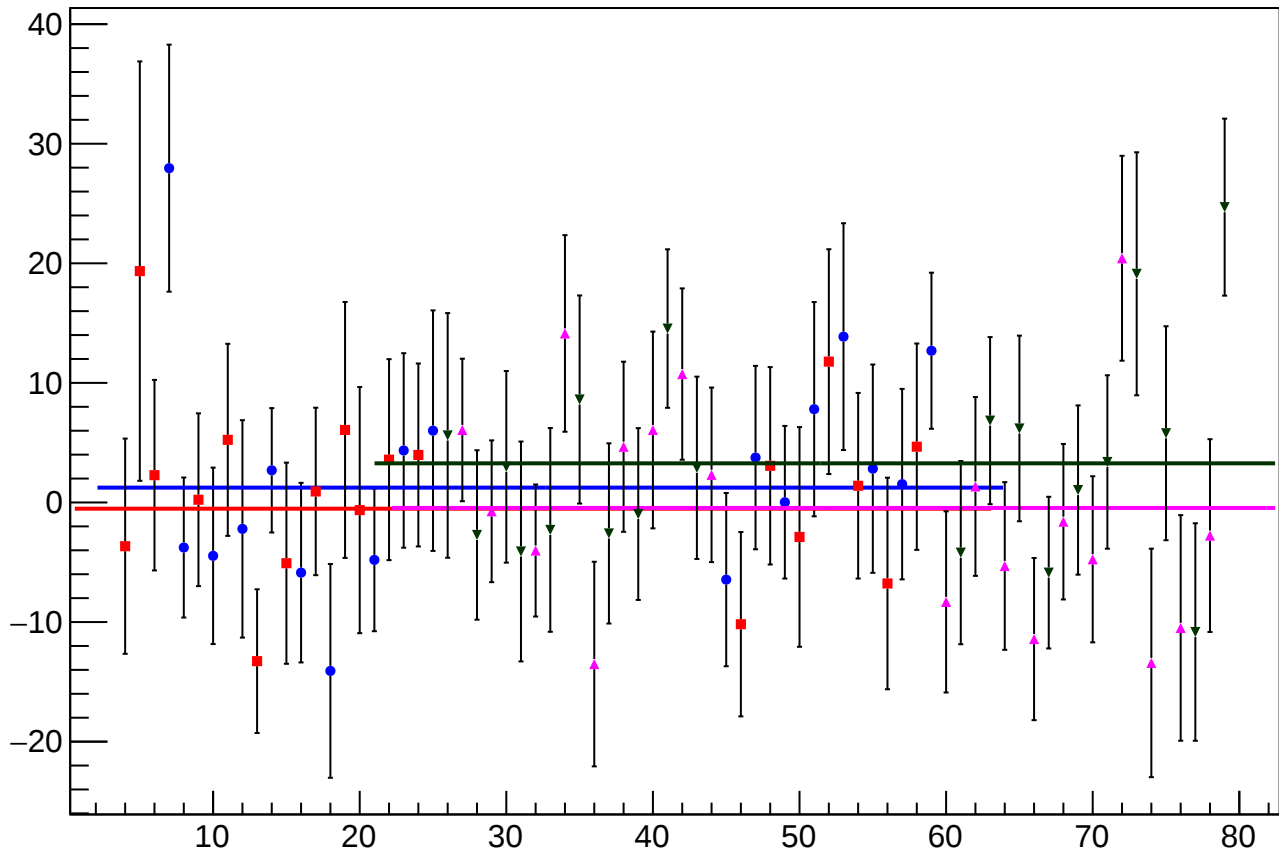
Right Out: 3561.233+/-0.871 χ^2/NDF : 2618224.4/18

Left In: 3636.090+/-0.888 χ^2/NDF : 3714915.0/18

3412.409+/-0.578 χ^2/NDF : 7468129.6/37

3597.945+/-0.622 χ^2/NDF : 6336761.7/37

diff_bpm11X_mean vs slug



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

Left Out: 3.273 ± 1.737 χ^2/NDF : 22.9/19

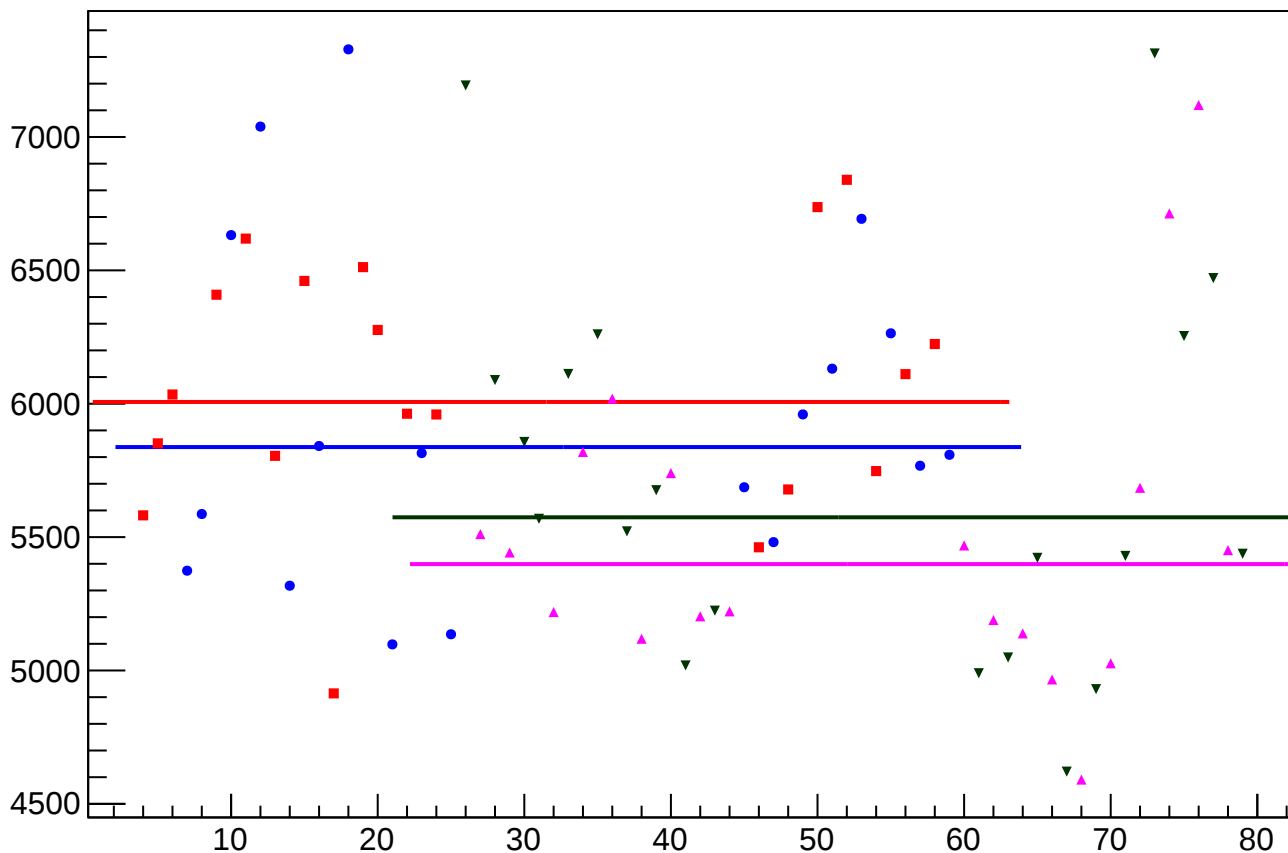
Right Out: -0.521 ± 1.907 χ^2/NDF : 12.3/18

Left In: -0.458 ± 1.658 χ^2/NDF : 24.5/18

2.266 ± 1.233 χ^2/NDF : 43.7/37

-0.485 ± 1.251 χ^2/NDF : 36.8/37

diff_bpm11X_rms vs slug



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

Left Out: 5574.271 $\pm$ 1.228 χ^2 /NDF:278746.1/19

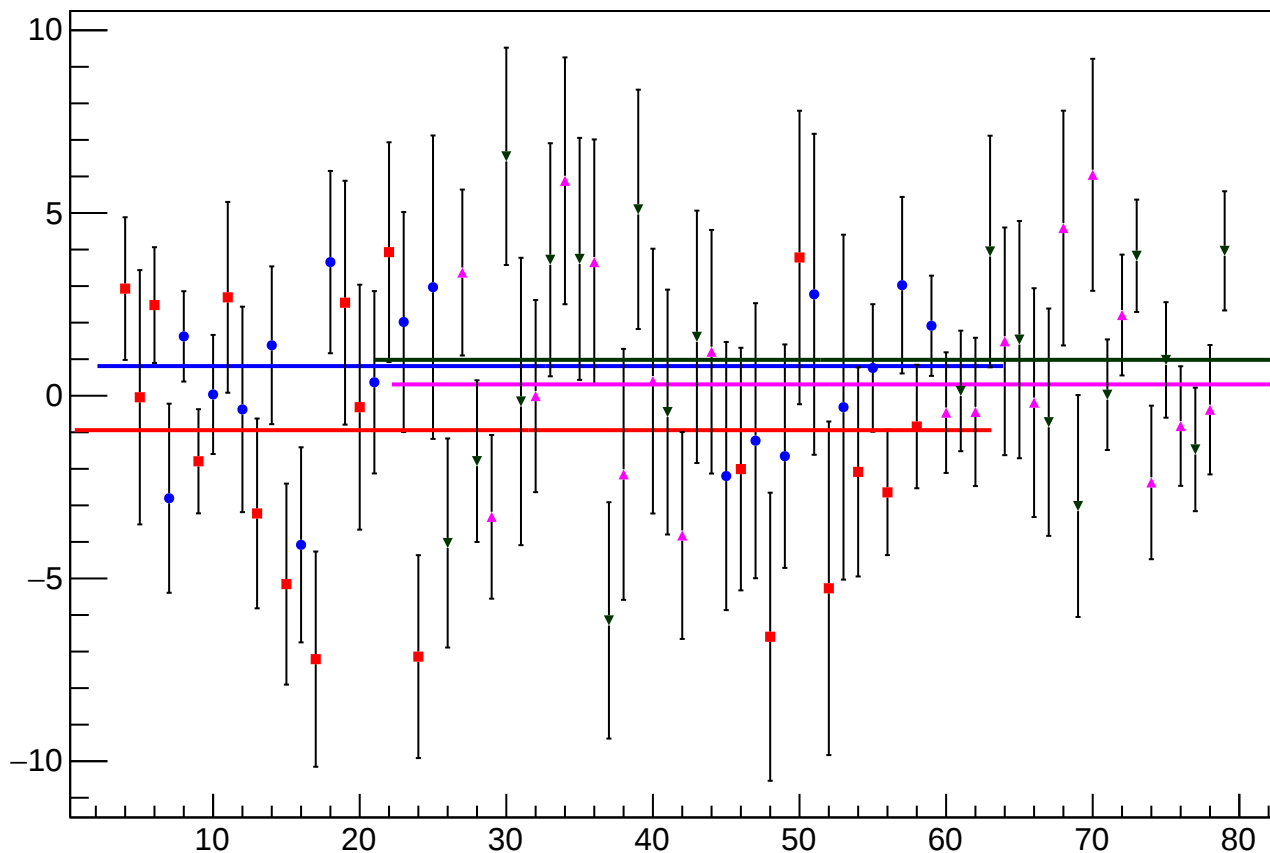
Right Out: 6006.736 $\pm$ 1.348 χ^2 /NDF: 130455.1/18

Left In: 5398.824 $\pm$ 1.173 χ^2 /NDF:183875.4/18

5704.857 $\pm$ 0.872 χ^2 /NDF: 512842.4/37

5660.639 $\pm$ 0.885 χ^2 /NDF: 430099.8/37

diff_bpm11Y_mean vs slug



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

Left Out: 0.982 ± 0.512 χ^2/NDF : 28.8/19

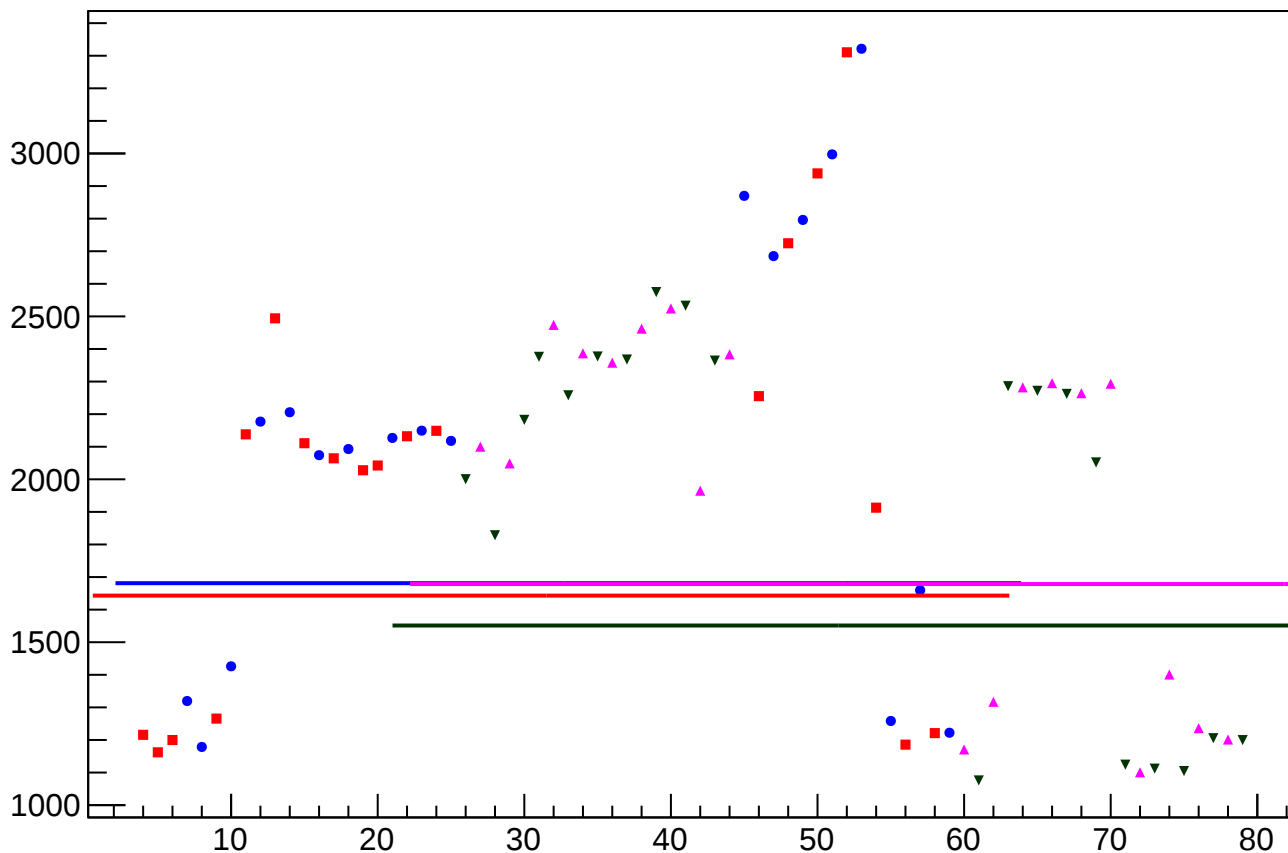
Right Out: -0.942 ± 0.553 χ^2/NDF : 32.9/18

Left In: 0.310 ± 0.543 χ^2/NDF : 20.0/18

0.900 ± 0.369 χ^2/NDF : 40.2/37

-0.305 ± 0.387 χ^2/NDF : 55.6/37

diff_bpm11Y_rms vs slug



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

Left Out: 1551.284+/-0.362 χ^2/NDF : 2277222.8/19

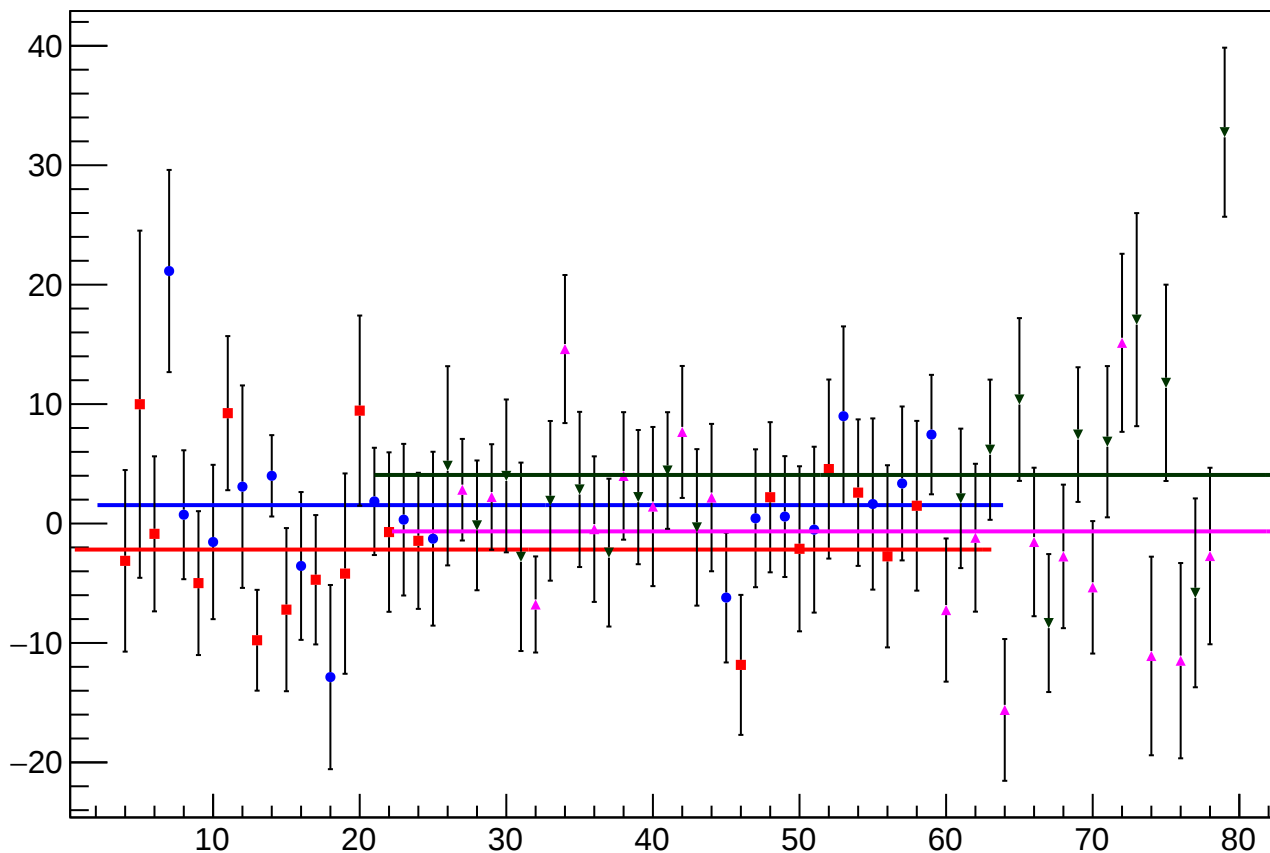
Right Out: 1643.071+/-0.391 χ^2/NDF : 1969332.5/18

Left In: 1678.586+/-0.384 χ^2/NDF : 1917795.5/18

1613.714+/-0.261 χ^2/NDF : 4552037.7/37

1661.127+/-0.274 χ^2/NDF : 3891328.6/37

diff_bpm12X_mean vs slug



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

Left Out: 4.067 ± 1.432 χ^2/NDF : 30.4/19

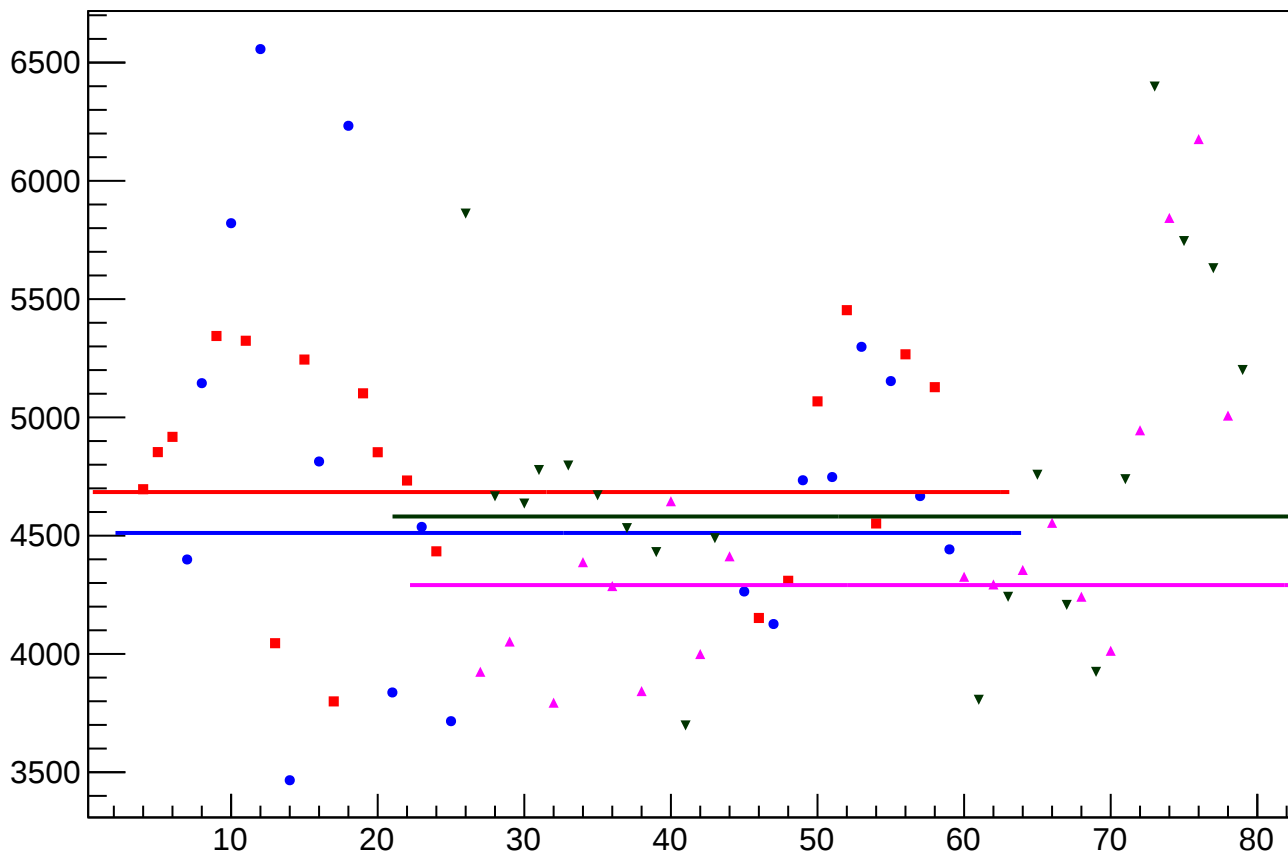
Right Out: -2.180 ± 1.492 χ^2/NDF : 15.2/18

Left In: -0.657 ± 1.322 χ^2/NDF : 29.1/18

2.747 ± 0.990 χ^2/NDF : 47.2/37

-1.327 ± 0.990 χ^2/NDF : 44.9/37

diff_bpm12X_rms vs slug



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

Left Out: 4581.060 $\pm$ 1.013 χ^2 /NDF:372559.4/19

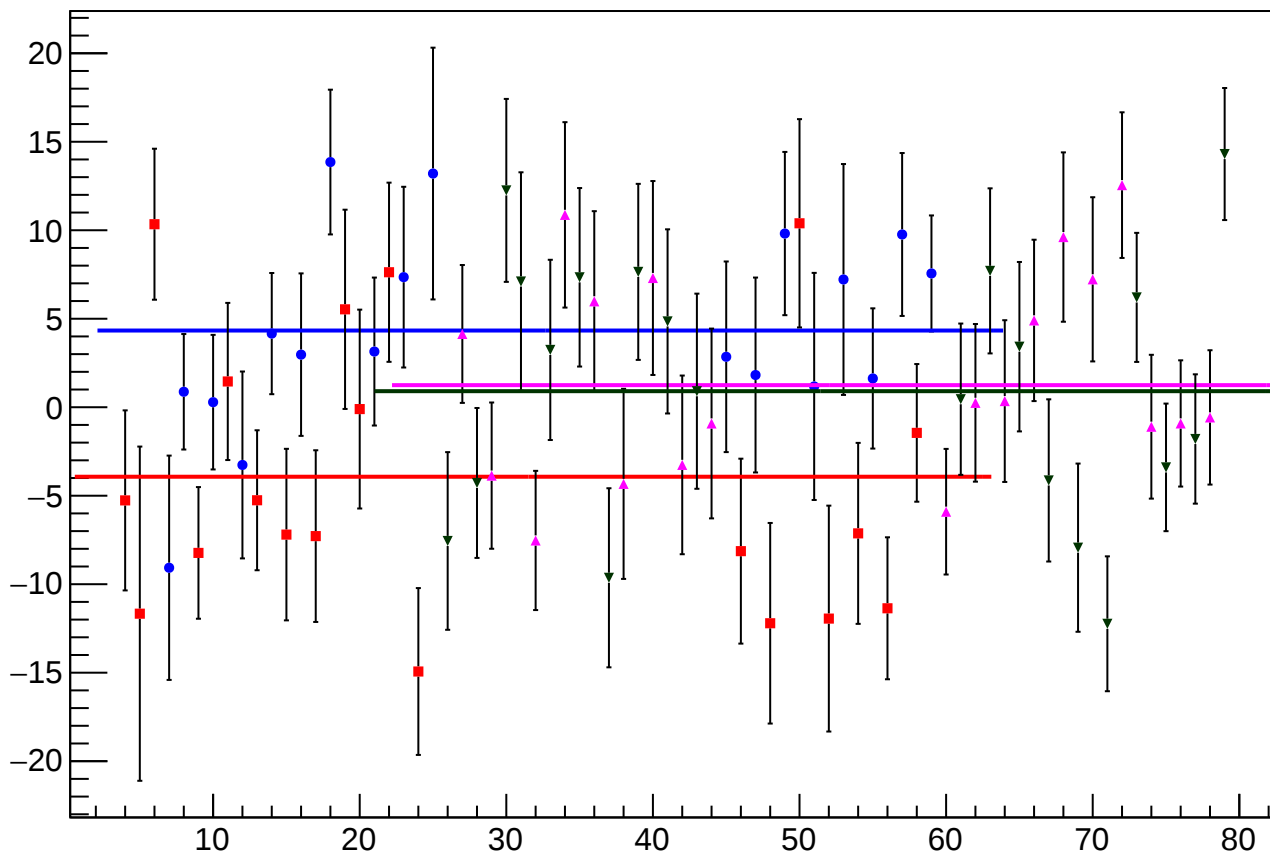
4544.707 $\pm$ 0.700 χ^2 /NDF: 1022023.4/37

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

4464.070 $\pm$ 0.700 χ^2 /NDF: 615143.1/37

Left In: 4291.118 $\pm$ 0.935 χ^2 /NDF:297112.2/18

diff_bpm12Y_mean vs slug



Right In: 4.334 ± 1.055 $\chi^2/\text{NDF}: 21.3/17$

Left Out: 0.907 ± 1.005 $\chi^2/\text{NDF}: 54.7/19$

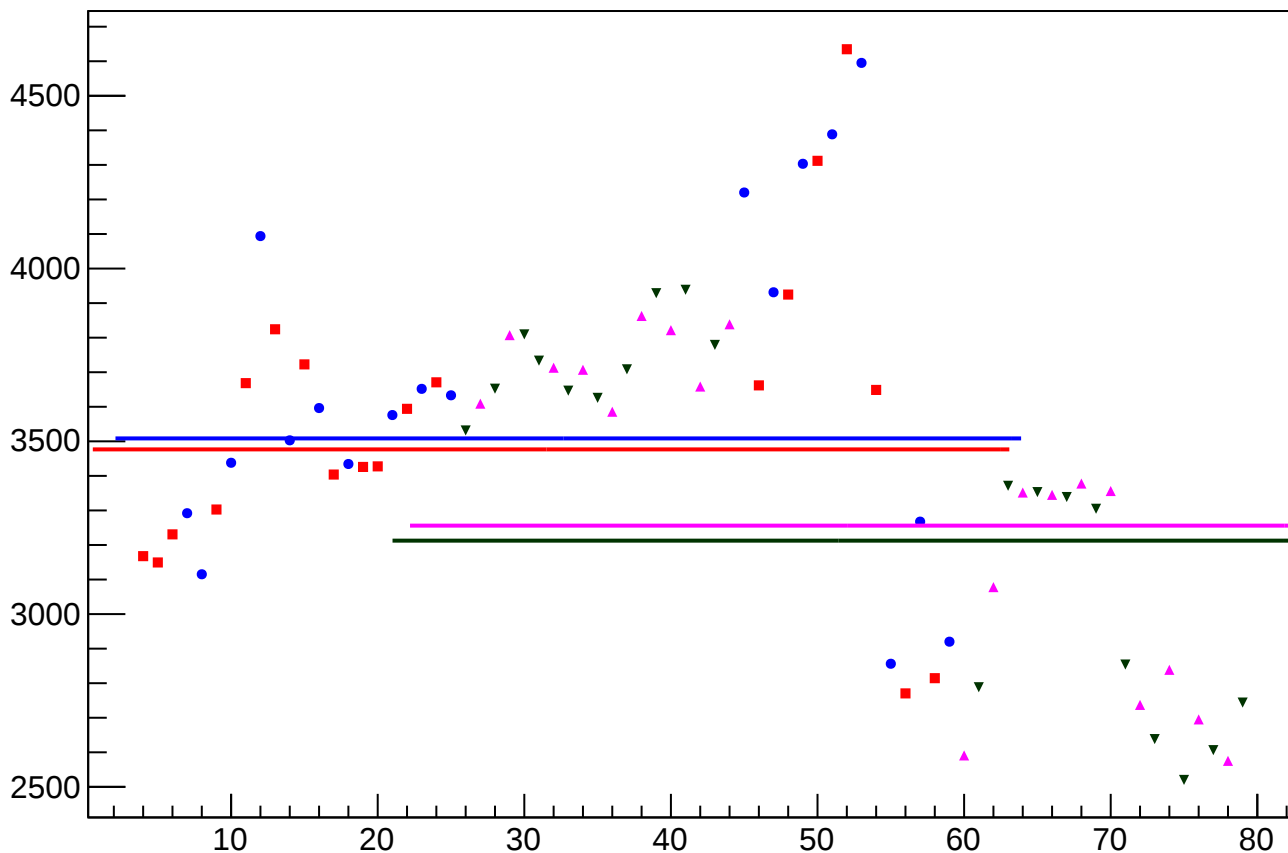
Right Out: -3.927 ± 1.110 $\chi^2/\text{NDF}: 44.2/18$

Left In: 1.247 ± 1.005 $\chi^2/\text{NDF}: 32.5/18$

2.537 ± 0.728 $\chi^2/\text{NDF}: 81.5/37$

-1.084 ± 0.745 $\chi^2/\text{NDF}: 88.7/37$

diff_bpm12Y_rms vs slug



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

Left Out: 3212.583 $\pm$ 0.711 χ^2 /NDF: 473052.9/19

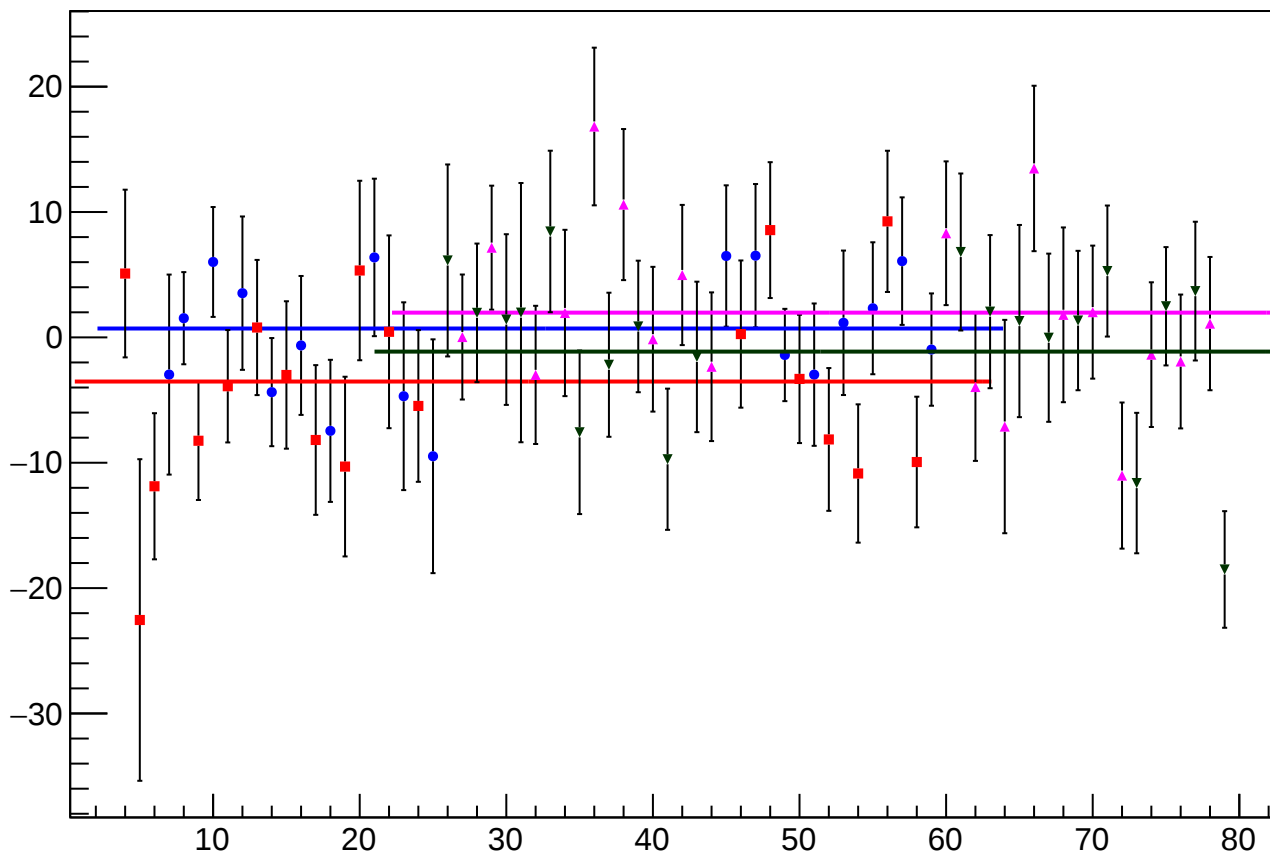
Right Out: 3476.662 $\pm$ 0.785 χ^2 /NDF: 293750.8/18

Left In: 3256.035 $\pm$ 0.711 χ^2 /NDF: 429394.0/18

3353.282 $\pm$ 0.515 χ^2 /NDF: 939644.8/37

3355.456 $\pm$ 0.527 χ^2 /NDF: 766563.3/37

diff_bpm16X_mean vs slug



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

Left Out: -1.135 ± 1.324 χ^2/NDF : 29.7/19

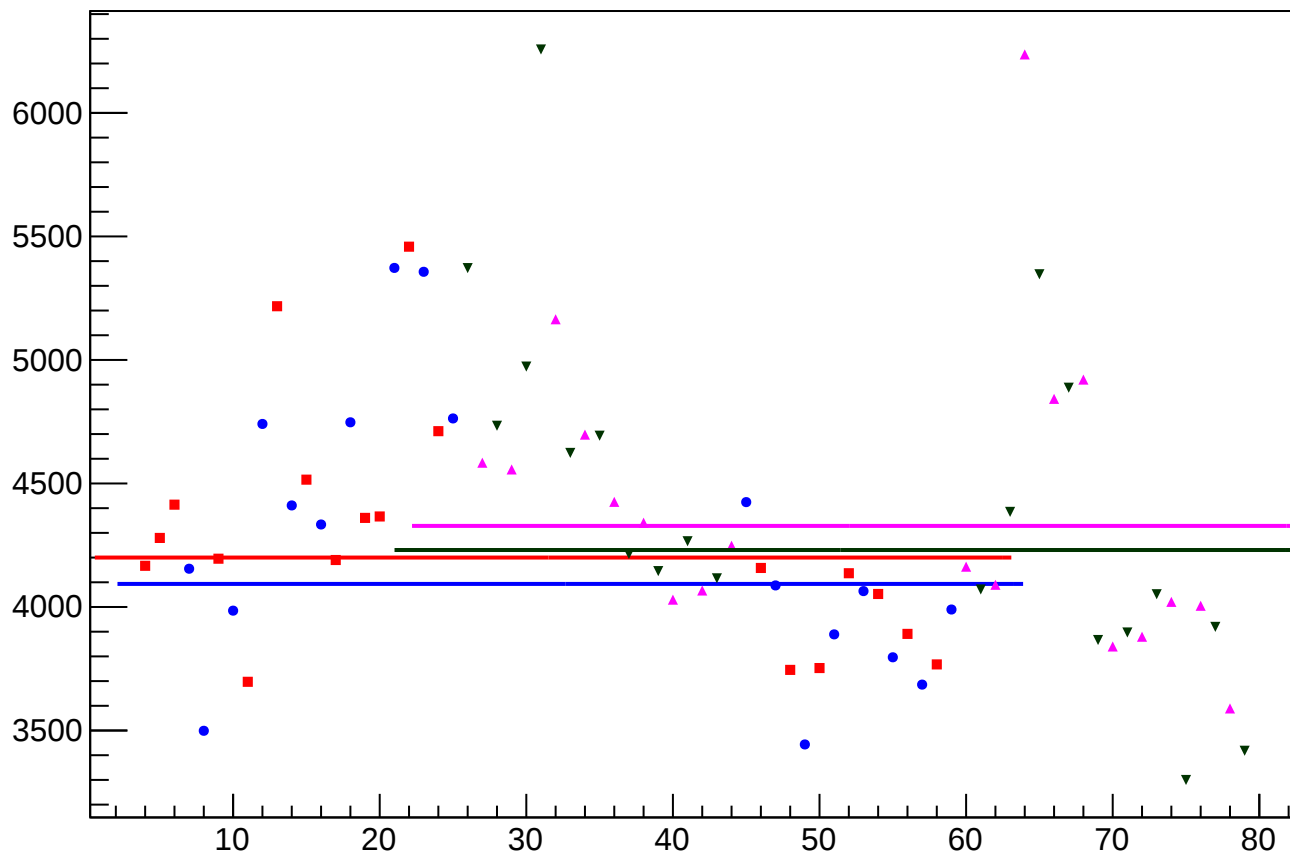
Right Out: -3.522 ± 1.336 χ^2/NDF : 25.4/18

Left In: 1.973 ± 1.334 χ^2/NDF : 22.9/18

-0.145 ± 0.901 χ^2/NDF : 42.9/37

-0.770 ± 0.944 χ^2/NDF : 56.8/37

diff_bpm16X_rms vs slug



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

Left Out: 4230.658 $\pm$ 0.936 χ^2 /NDF: 408607.1/19

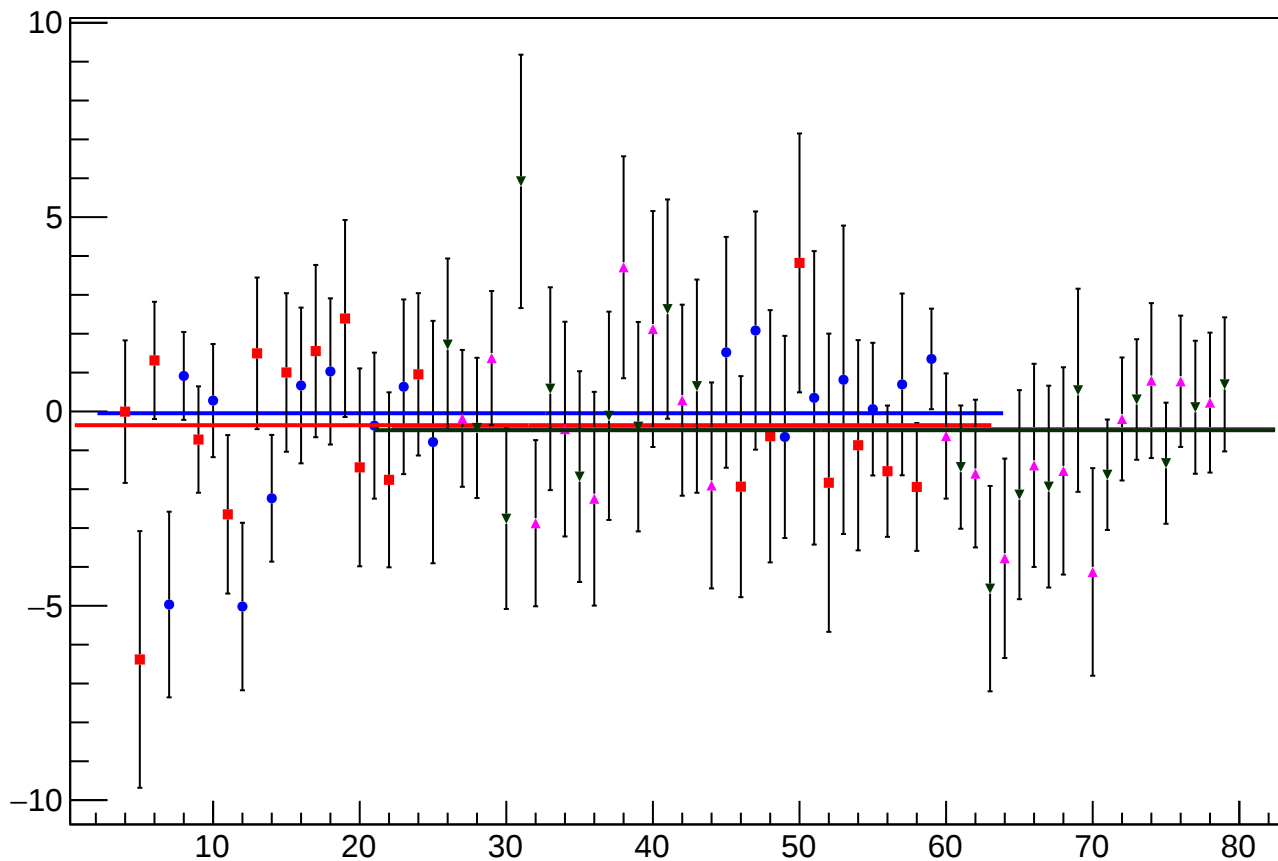
Right Out: 4200.125 $\pm$ 0.945 χ^2 /NDF: 225858.3/18

Left In: 4328.252 $\pm$ 0.943 χ^2 /NDF: 284909.3/18

4156.904 $\pm$ 0.637 χ^2 /NDF: 779855.4/37

4264.285 $\pm$ 0.667 χ^2 /NDF: 519979.7/37

diff_bpm16Y_mean vs slug



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

Left Out: -0.482 ± 0.467 χ^2/NDF : 13.0/19

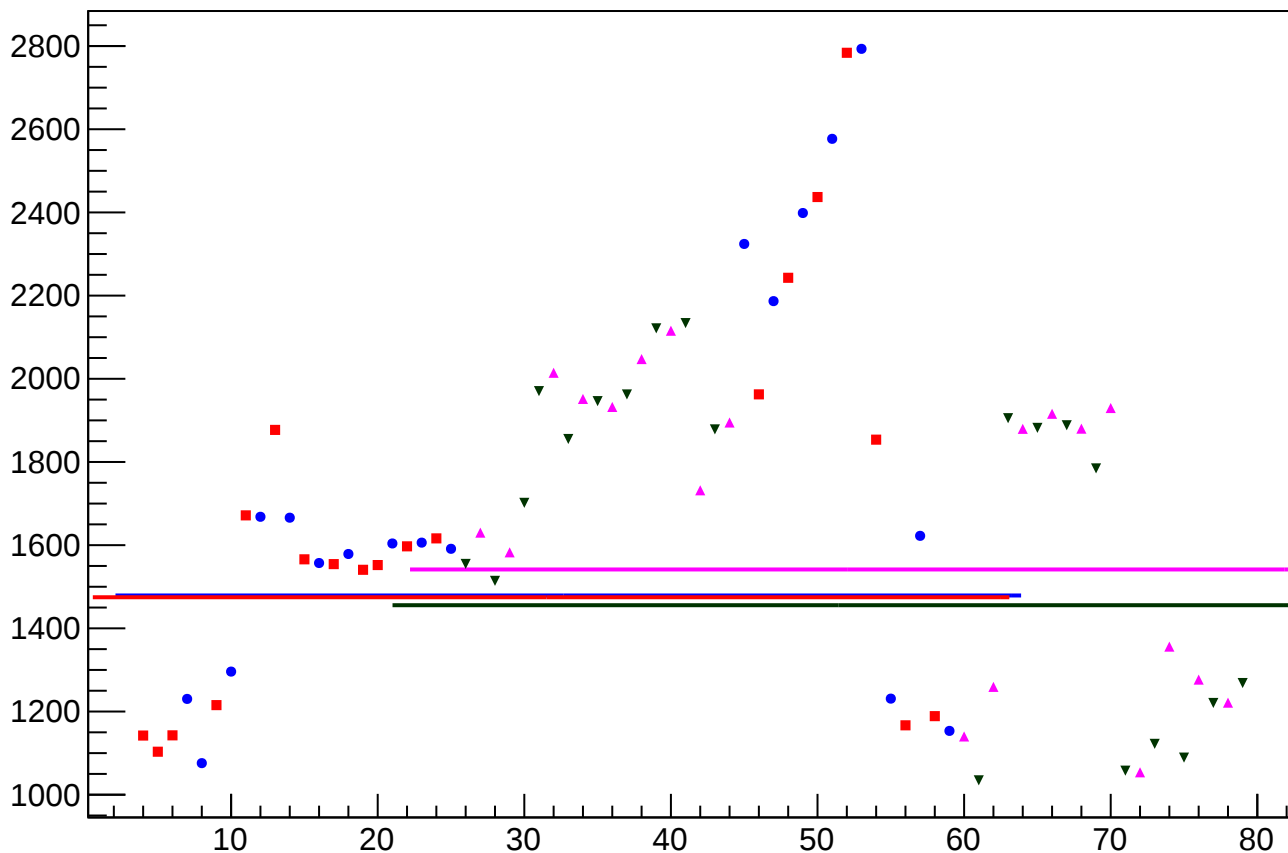
Right Out: -0.354 ± 0.483 χ^2/NDF : 13.6/18

Left In: -0.452 ± 0.486 χ^2/NDF : 11.4/18

-0.260 ± 0.327 χ^2/NDF : 28.3/37

-0.402 ± 0.343 χ^2/NDF : 25.1/37

diff_bpm16Y_rms vs slug



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

Left Out: 1455.619+/-0.330 χ^2/NDF :1305032.4/19

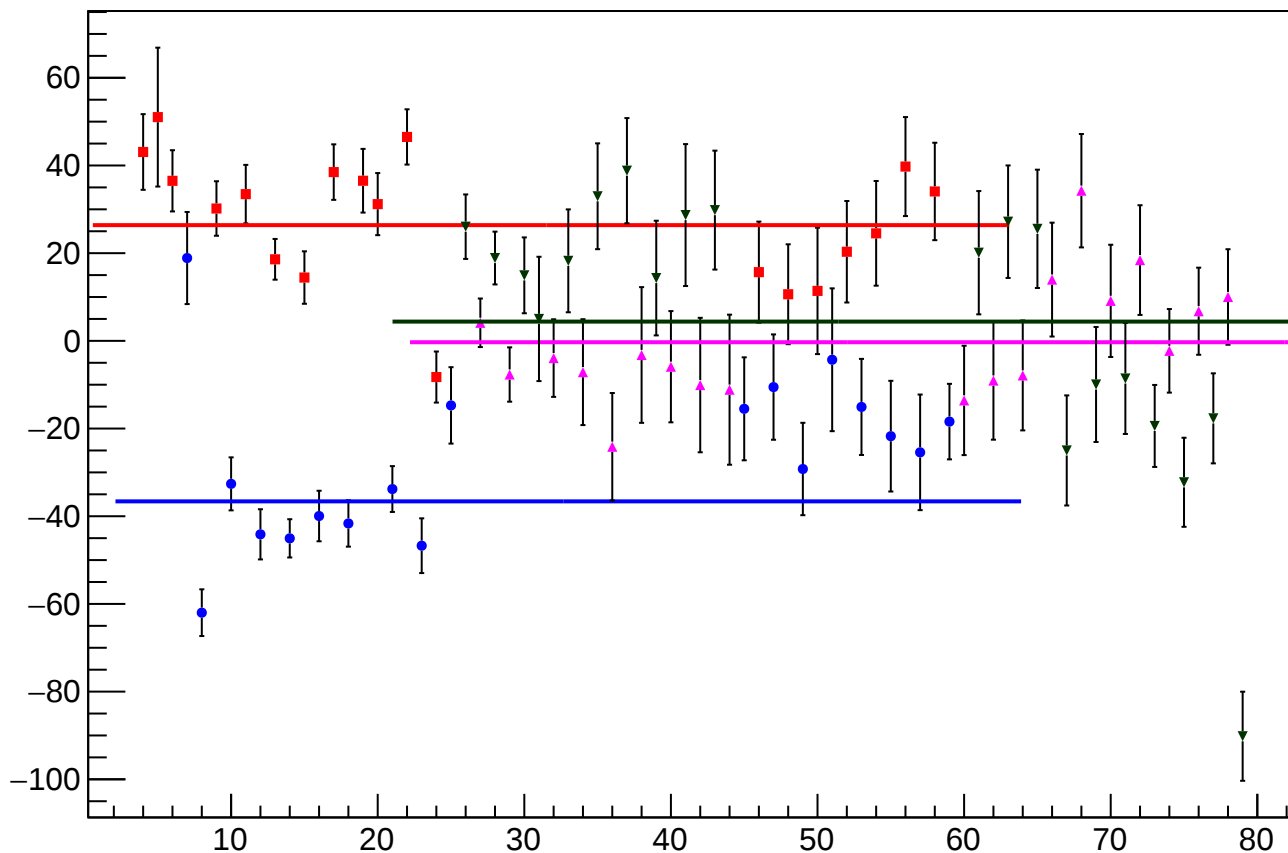
Right Out: 1474.750+/-0.342 χ^2/NDF : 1125200.2/18

Left In: 1541.561+/-0.344 χ^2/NDF :1008512.6/18

1467.540+/-0.231 χ^2/NDF : 2766932.9/37

1507.965+/-0.242 χ^2/NDF : 2152707.2/37

diff_bpm0l01X_mean vs slug



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

Left Out: 4.396+/-2.384 χ^2/NDF : 162.9/19

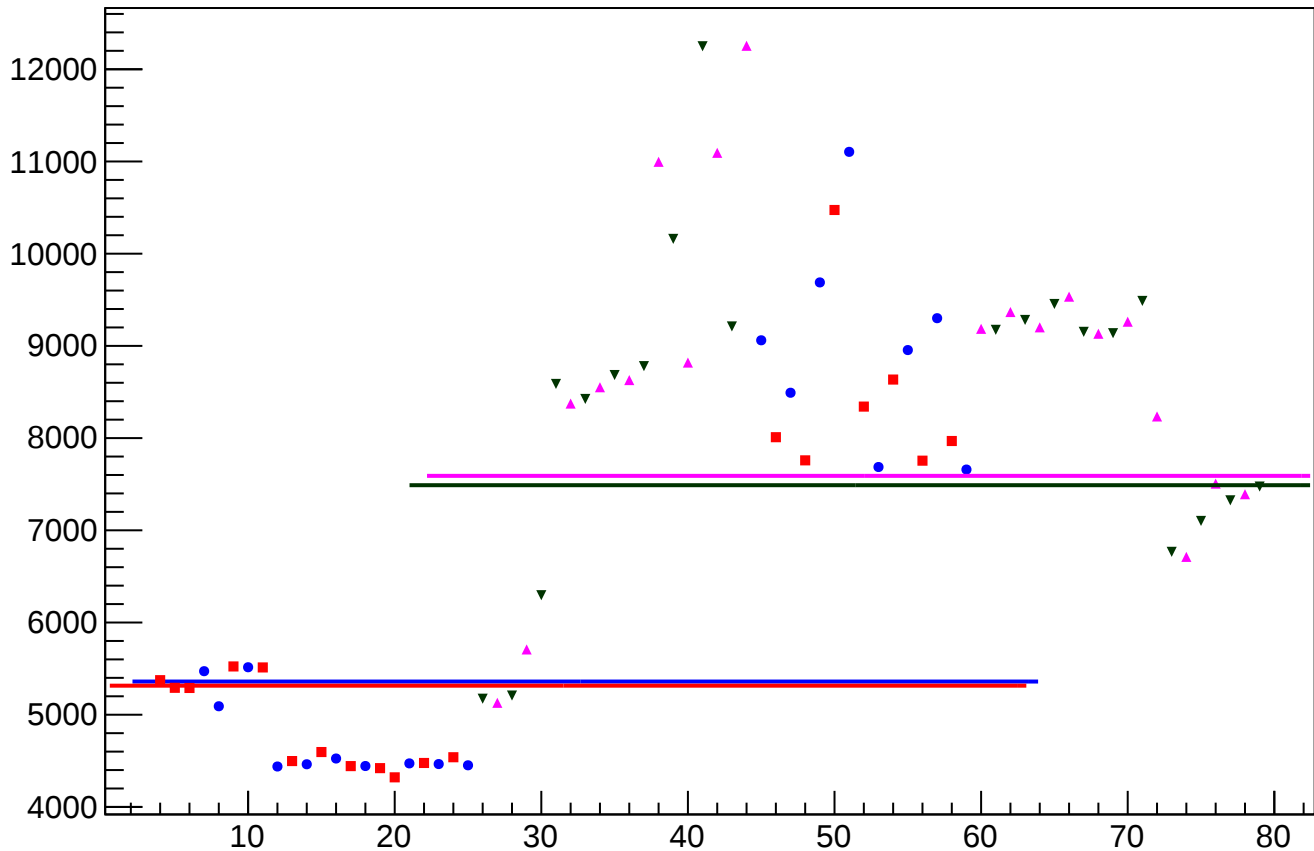
Right Out: 26.394+/-1.742 χ^2/NDF : 74.2/18

Left In: -0.311+/-2.388 χ^2/NDF : 21.9/18

-23.068+/-1.370 χ^2/NDF : 450.8/37

17.122+/-1.407 χ^2/NDF : 177.7/37

diff_bpm0l01X_rms vs slug



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

Left Out: 7489.212+/-1.686 χ^2/NDF :1121814.3/19

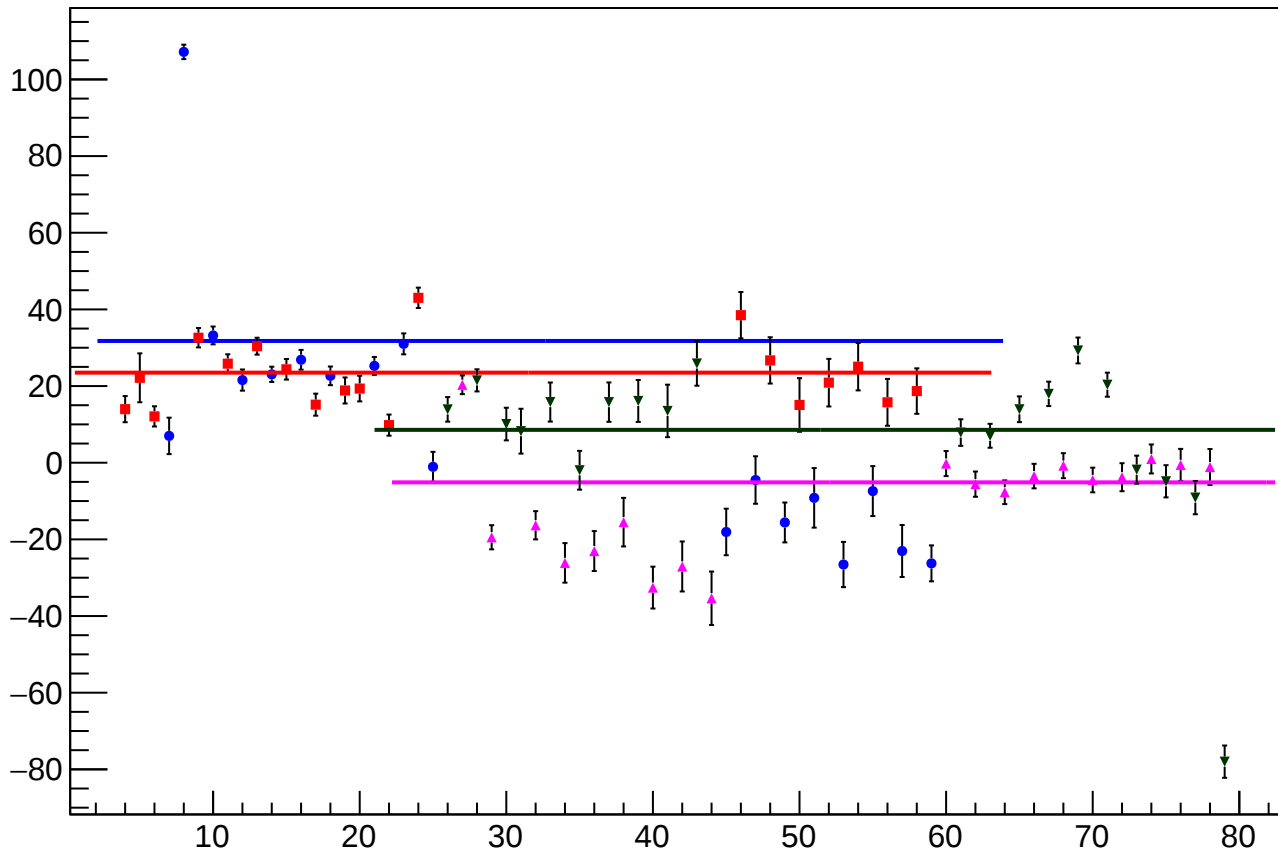
Right Out: 5315.062+/-1.232 χ^2/NDF : 1229938.4/18

Left In: 7590.608+/-1.689 χ^2/NDF :1222130.0/18

6063.070+/-0.969 χ^2/NDF : 4050232.8/37

6105.173+/-0.995 χ^2/NDF : 3637071.8/37

diff_bpm0l01Y_mean vs slug



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

Left Out: 8.574+/-0.876 χ^2/NDF : 563.4/19

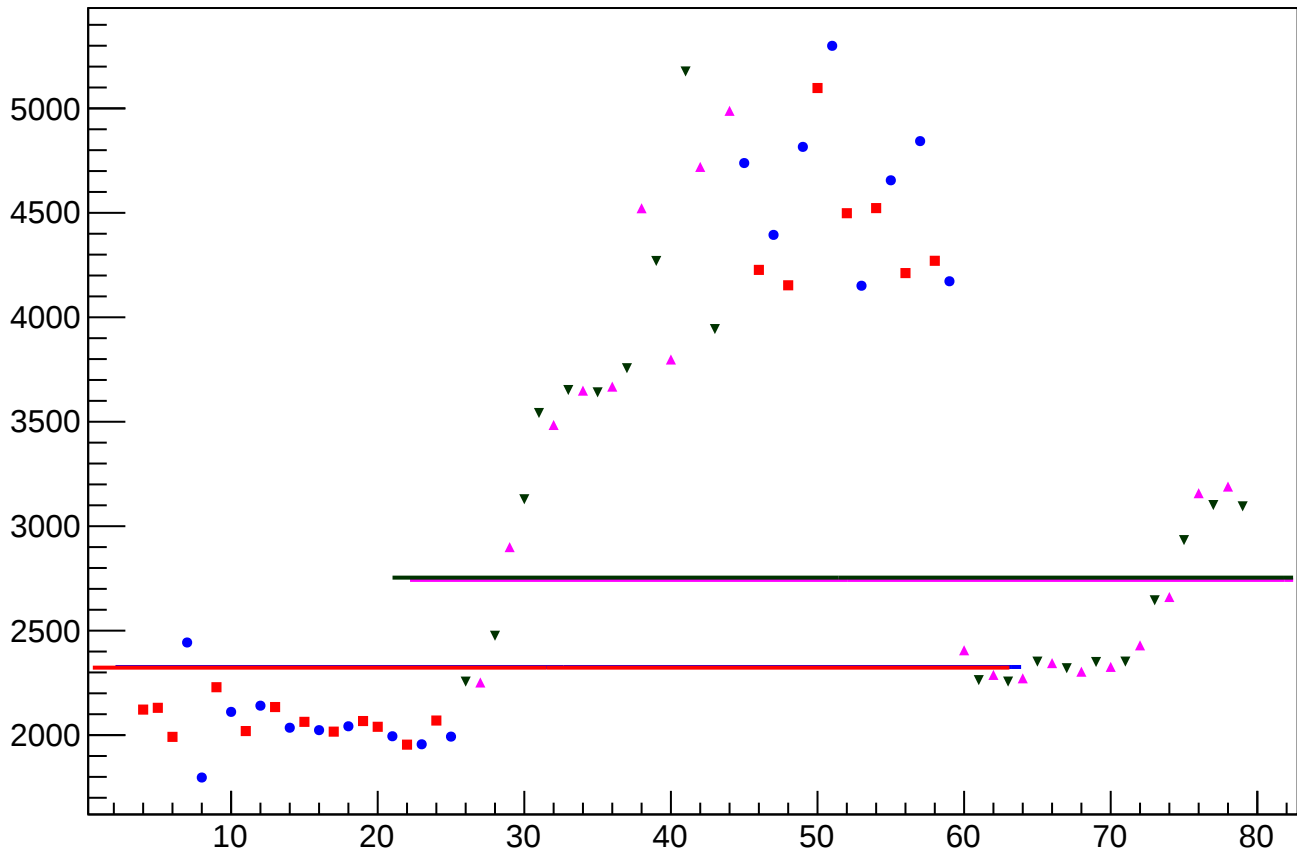
Right Out: 23.500+/-0.773 χ^2/NDF : 151.3/18

Left In: -5.125+/-0.862 χ^2/NDF : 235.4/18

22.090+/-0.566 χ^2/NDF : 3295.5/37

10.747+/-0.575 χ^2/NDF : 998.2/37

diff_bpm0l01Y_rms vs slug



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

Left Out: 2753.830+/-0.619 χ^2/NDF : 1055620.9/19

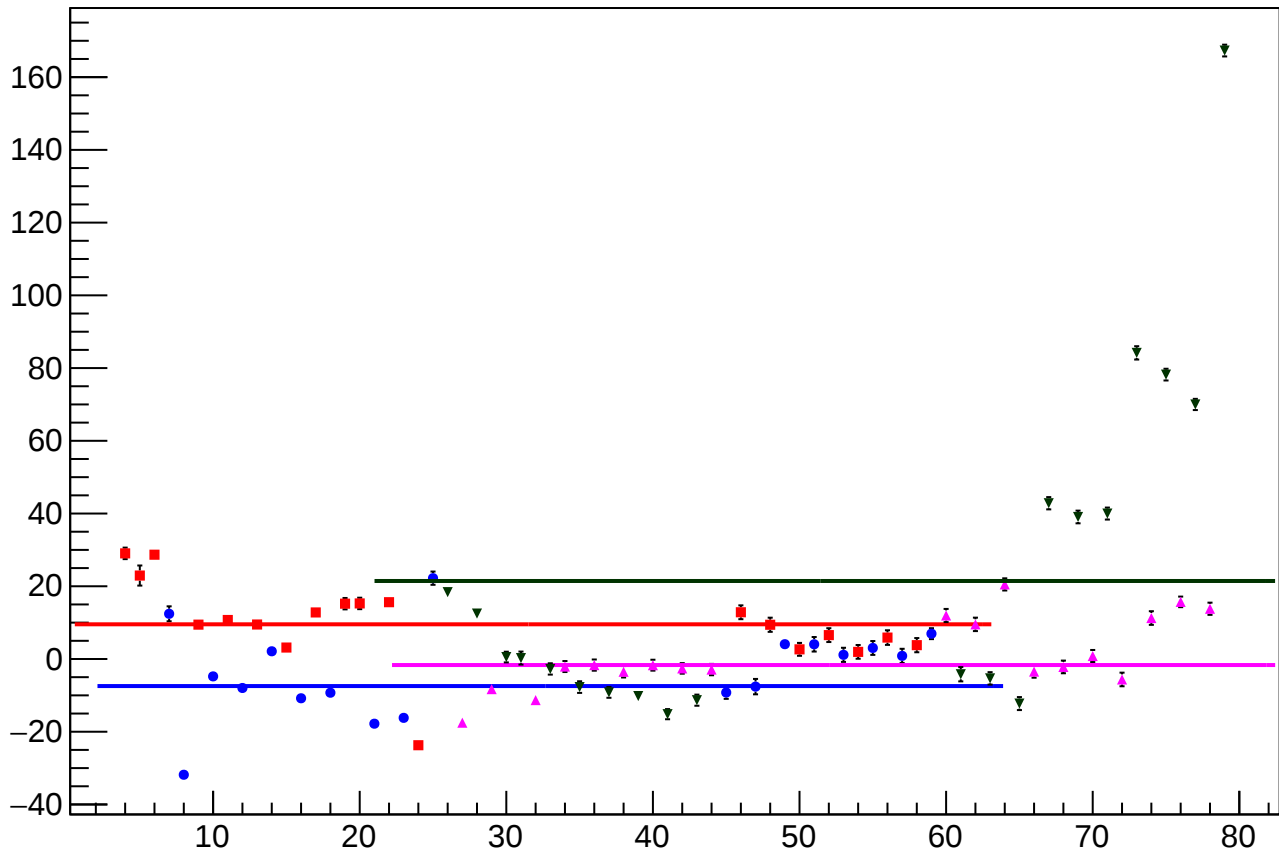
2504.560+/-0.400 χ^2/NDF : 4030376.4/37

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

2510.010+/-0.407 χ^2/NDF : 3249617.1/37

Left In: 2742.872+/-0.609 χ^2/NDF : 1175611.6/18

diff_bpm2i01X_mean vs slug



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

Left Out: 21.453 ± 0.347 χ^2/NDF : 15757.2/19

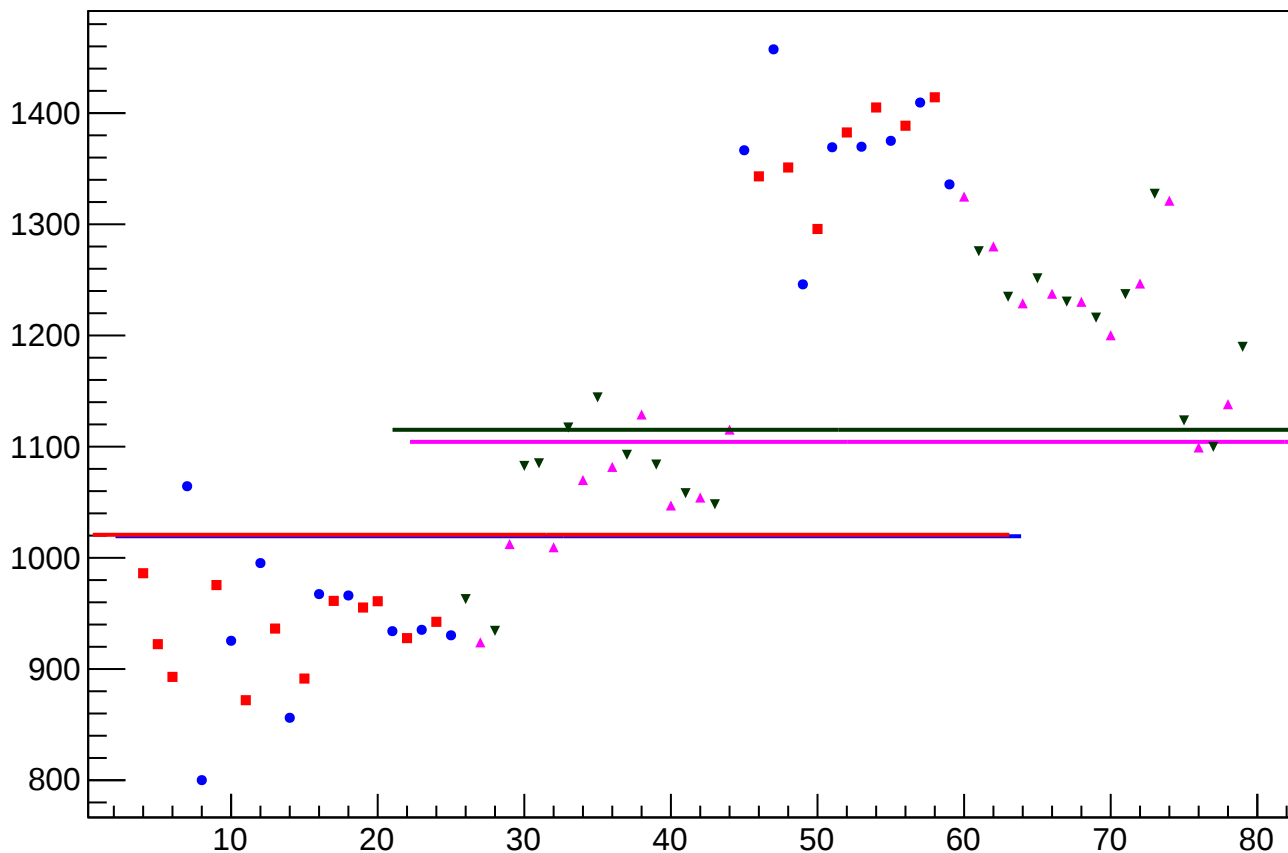
Right Out: 9.540 ± 0.328 χ^2/NDF : 1327.8/18

Left In: -1.662 ± 0.339 χ^2/NDF : 923.7/18

5.396 ± 0.231 χ^2/NDF : 21372.7/37

4.134 ± 0.236 χ^2/NDF : 2815.6/37

diff_bpm2i01X_rms vs slug



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

Left Out: 1115.170+/-0.245 χ^2/NDF : 184361.4/19

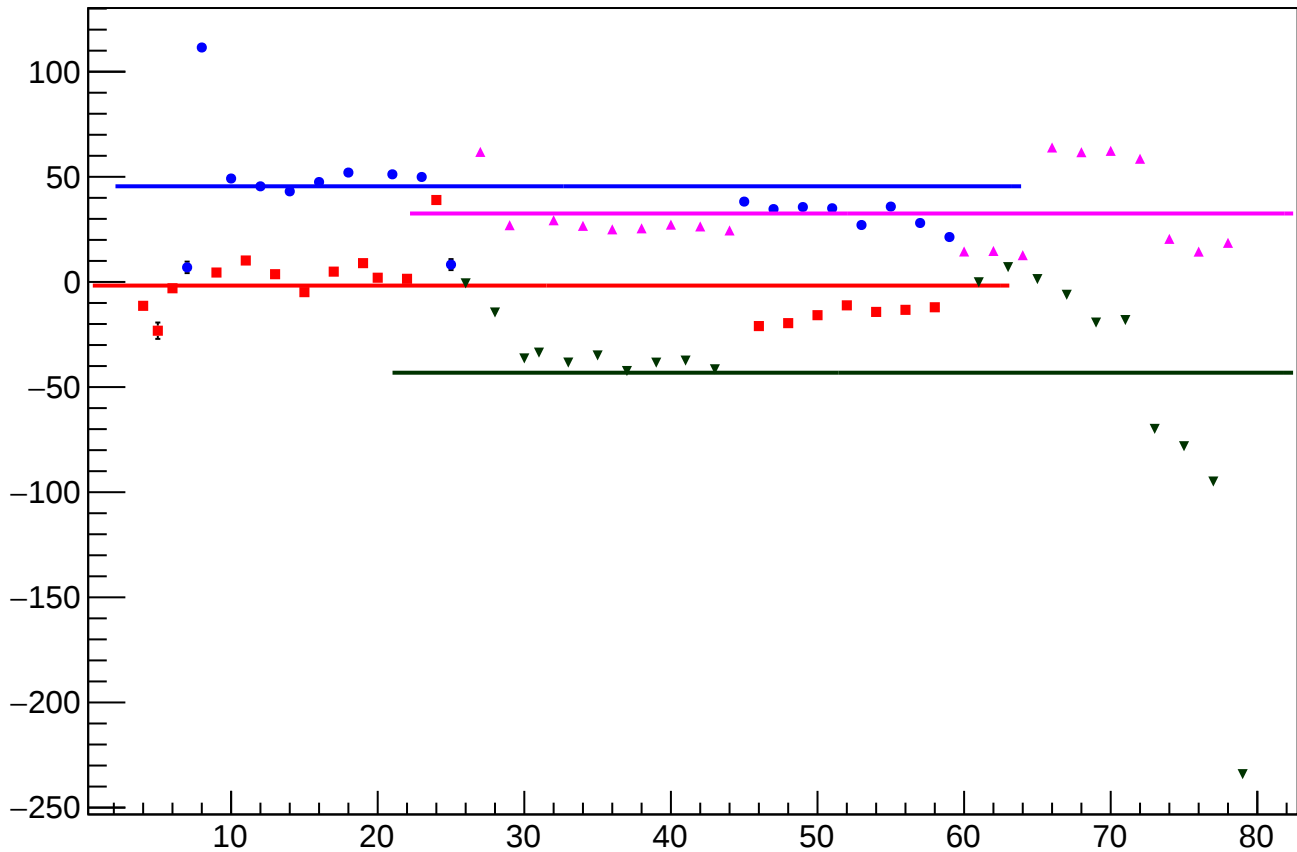
Right Out: 1020.749+/-0.232 χ^2/NDF : 605072.5/18

Left In: 1104.301+/-0.240 χ^2/NDF : 229921.0/18

1061.963+/-0.163 χ^2/NDF : 1122041.2/37

1061.072+/-0.167 χ^2/NDF : 897768.9/37

diff_bpm2i01Y_mean vs slug



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

Left Out: -43.166 $\pm$ 0.395 χ^2 /NDF:17145.4/19

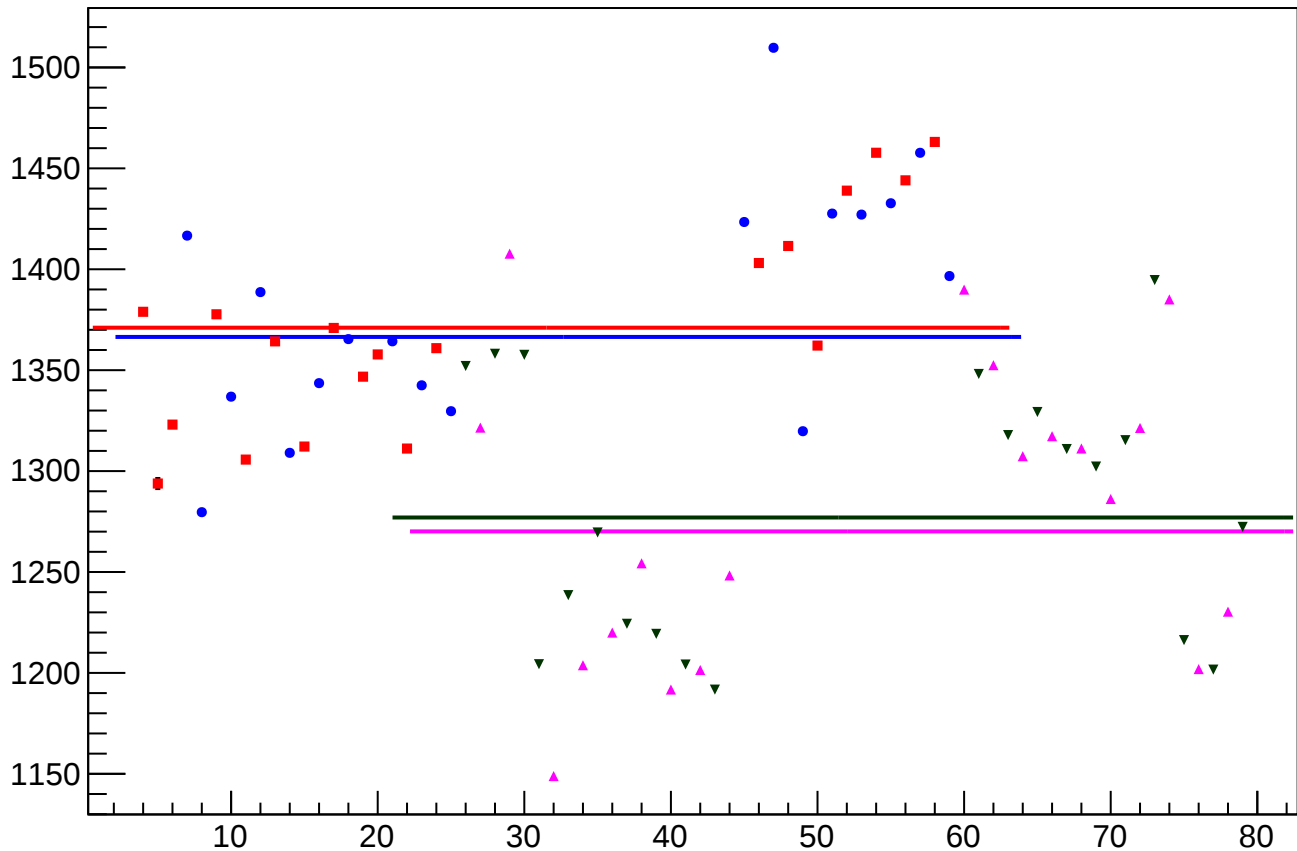
Right Out: -1.724 $\pm$ 0.434 χ^2 /NDF: 1071.7/18

Left In: 32.555 $\pm$ 0.389 χ^2 /NDF:2062.9/18

-0.210 $\pm$ 0.284 χ^2 /NDF: 44898.5/37

17.302 $\pm$ 0.289 χ^2 /NDF: 6598.2/37

diff_bpm2i01Y_rms vs slug



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

Left Out: 1277.006+/-0.280 χ^2/NDF : 50452.1/19

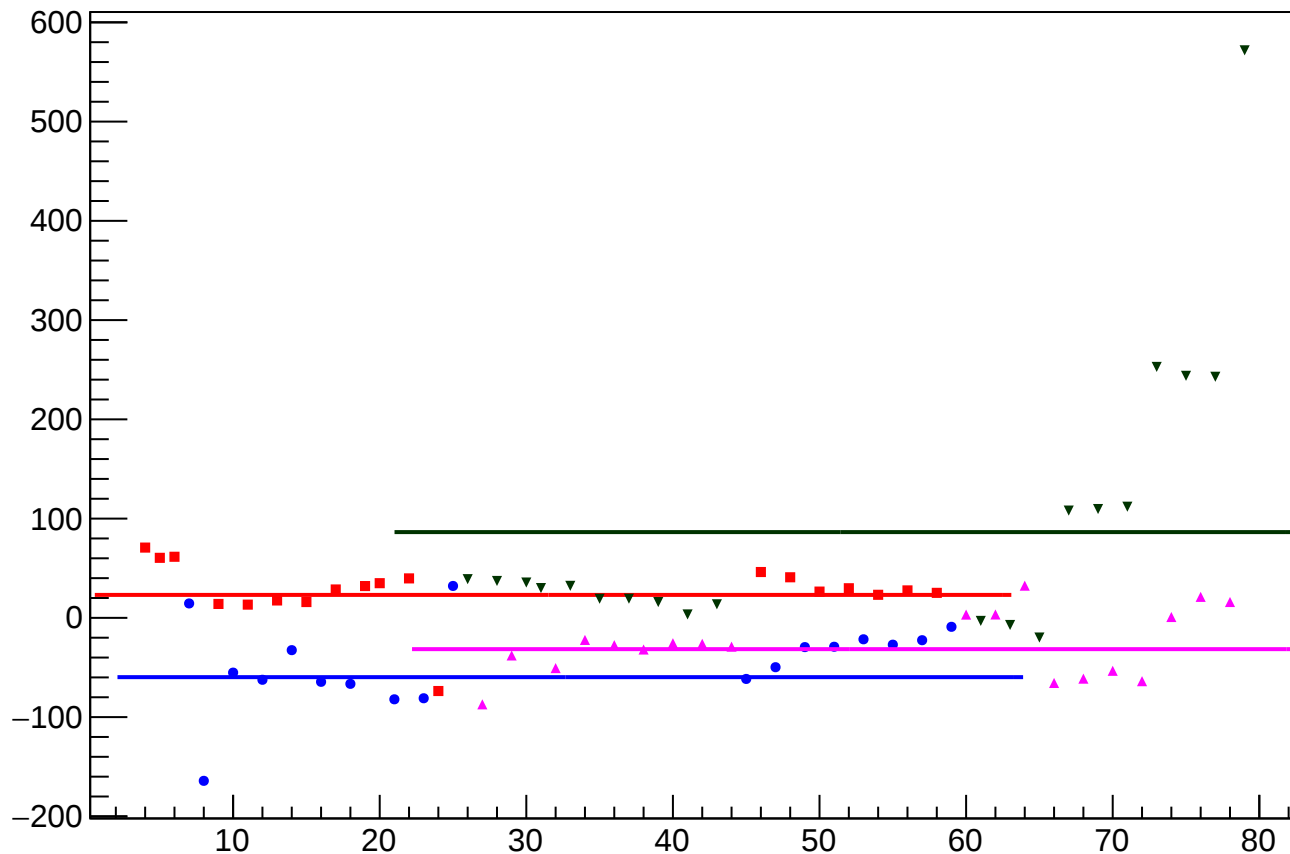
Right Out: 1371.055+/-0.307 χ^2/NDF : 24860.5/18

Left In: 1270.115+/-0.275 χ^2/NDF : 79354.8/18

1320.353+/-0.201 χ^2/NDF : 138675.7/37

1315.029+/-0.205 χ^2/NDF : 164281.8/37

diff_bpm2i02X_mean vs slug



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

Left Out: 86.404 ± 0.361 χ^2/NDF : 136324.5/19

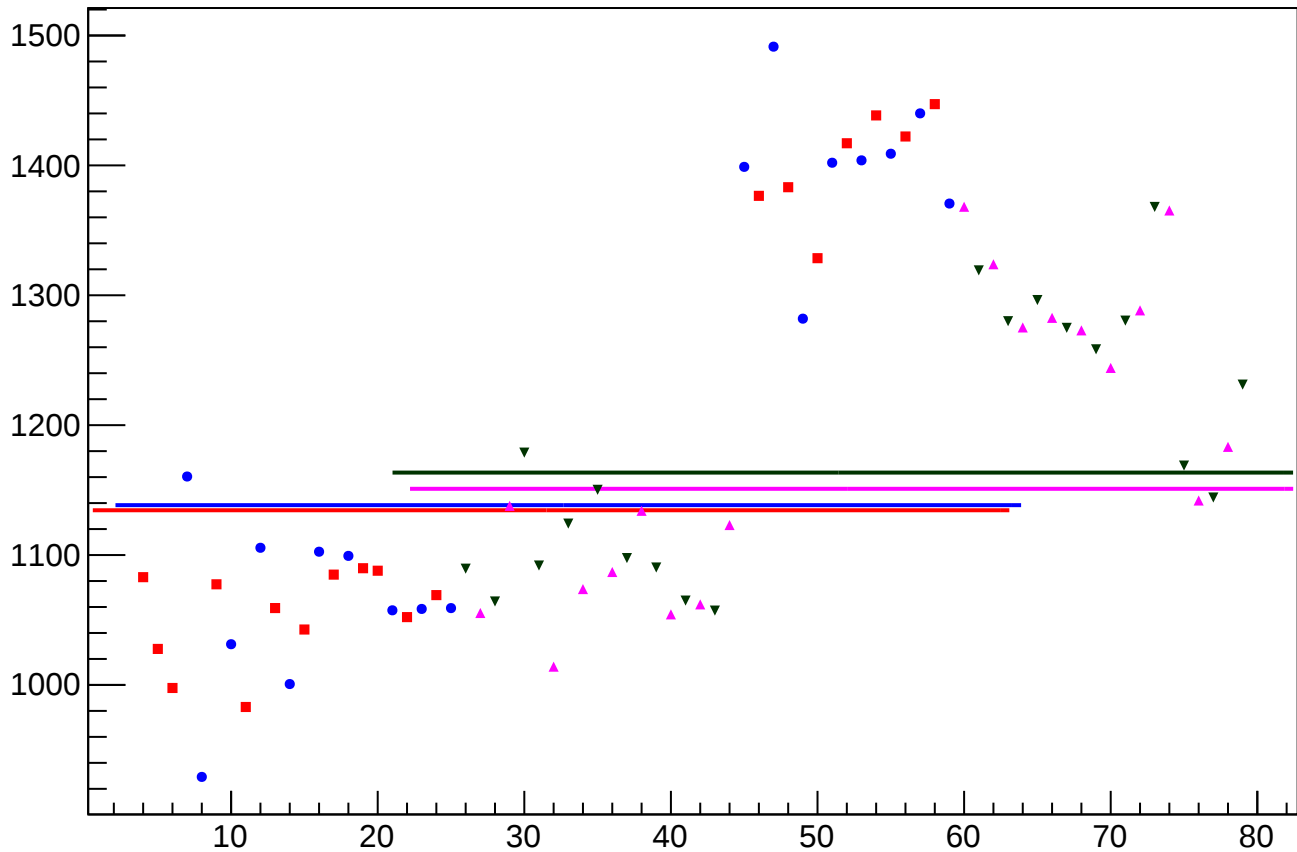
Right Out: 23.126 ± 0.362 χ^2/NDF : 7355.2/18

Left In: -31.527 ± 0.353 χ^2/NDF : 8159.1/18

9.605 ± 0.249 χ^2/NDF : 241150.7/37

-4.860 ± 0.253 χ^2/NDF : 27199.1/37

diff_bpm2i02X_rms vs slug



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

Left Out: 1163.488 $\pm$ 0.255 χ^2 /NDF:131734.3/19

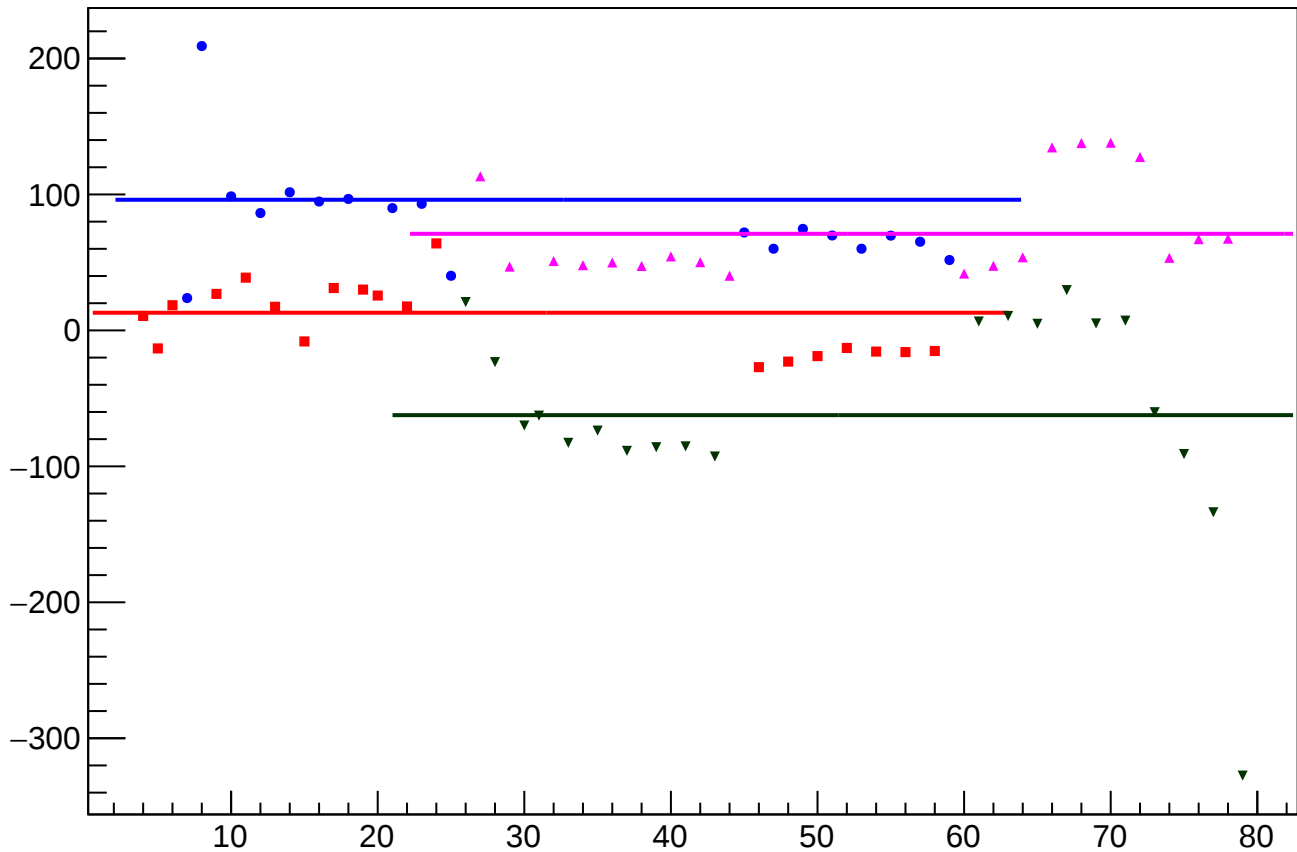
Right Out: 1134.479 $\pm$ 0.256 χ^2 /NDF: 360721.2/18

Left In: 1150.999 $\pm$ 0.250 χ^2 /NDF:187301.0/18

1150.310 $\pm$ 0.176 χ^2 /NDF: 624878.1/37

1142.939 $\pm$ 0.179 χ^2 /NDF: 550157.6/37

diff_bpm2i02Y_mean vs slug



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

Left Out: -62.342 $\pm$ 0.355 χ^2 /NDF: 46479.6/19

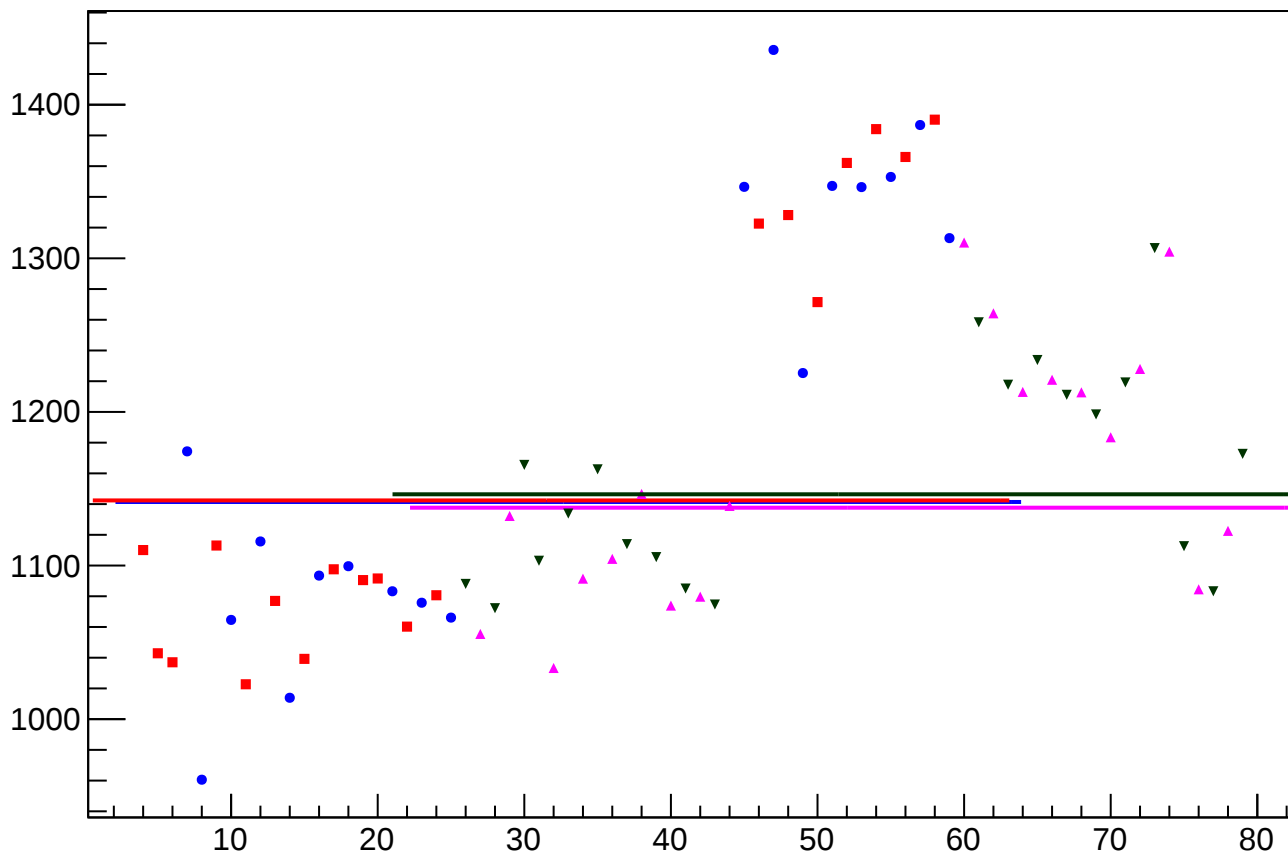
Right Out: 12.992 $\pm$ 0.363 χ^2 /NDF: 4541.3/18

Left In: 71.058 $\pm$ 0.348 χ^2 /NDF: 9639.7/18

19.682 $\pm$ 0.247 χ^2 /NDF: 166575.4/37

43.242 $\pm$ 0.251 χ^2 /NDF: 27491.8/37

diff_bpm2i02Y_rms vs slug



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

Left Out: 1146.381 $\pm$ 0.251 χ^2 /NDF:66913.1/19

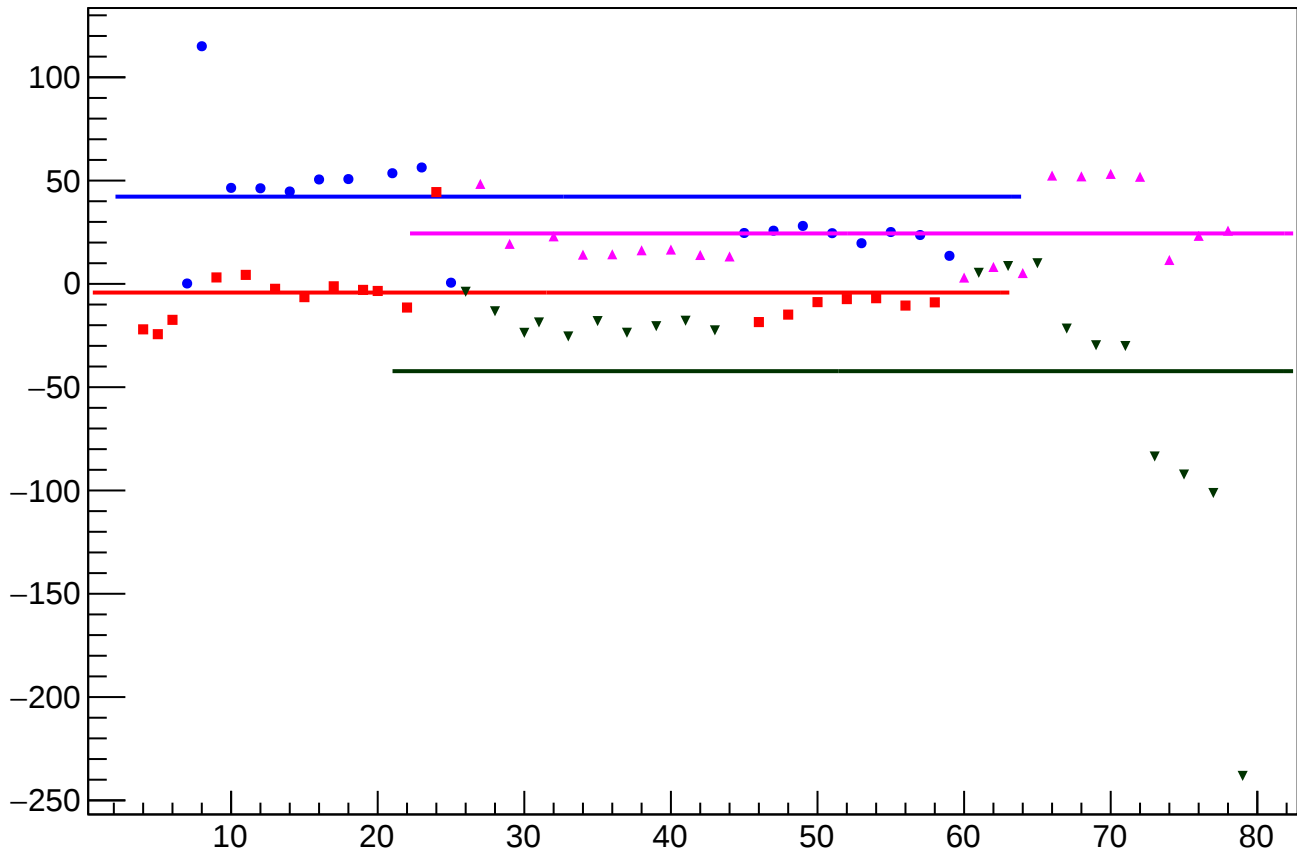
Right Out: 1142.390 $\pm$ 0.257 χ^2 /NDF: 236212.3/18

Left In: 1137.657 $\pm$ 0.246 χ^2 /NDF:104654.1/18

1143.792 $\pm$ 0.174 χ^2 /NDF: 396424.7/37

1139.924 $\pm$ 0.178 χ^2 /NDF: 341043.2/37

diff_bpm1i04X_mean vs slug



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

Left Out: -42.245+/-0.224 χ^2/NDF : 67685.0/19

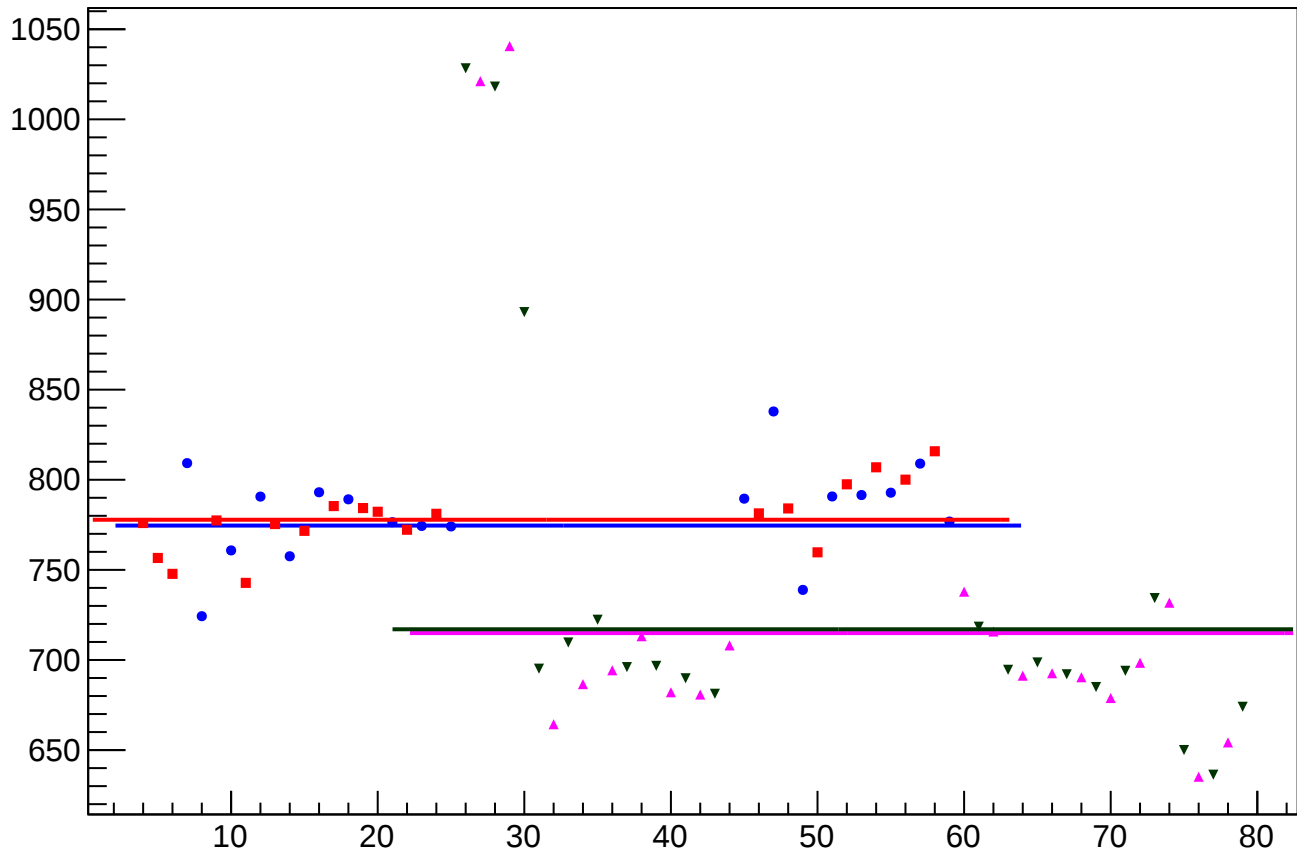
Right Out: -4.198+/-0.246 χ^2/NDF : 3378.3/18

Left In: 24.417+/-0.220 χ^2/NDF : 5671.4/18

-1.372+/-0.161 χ^2/NDF : 151077.3/37

11.679+/-0.164 χ^2/NDF : 16570.8/37

diff_bpm1i04X_rms vs slug



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

Left Out: 717.035+/-0.158 χ^2/NDF : 308061.5/19

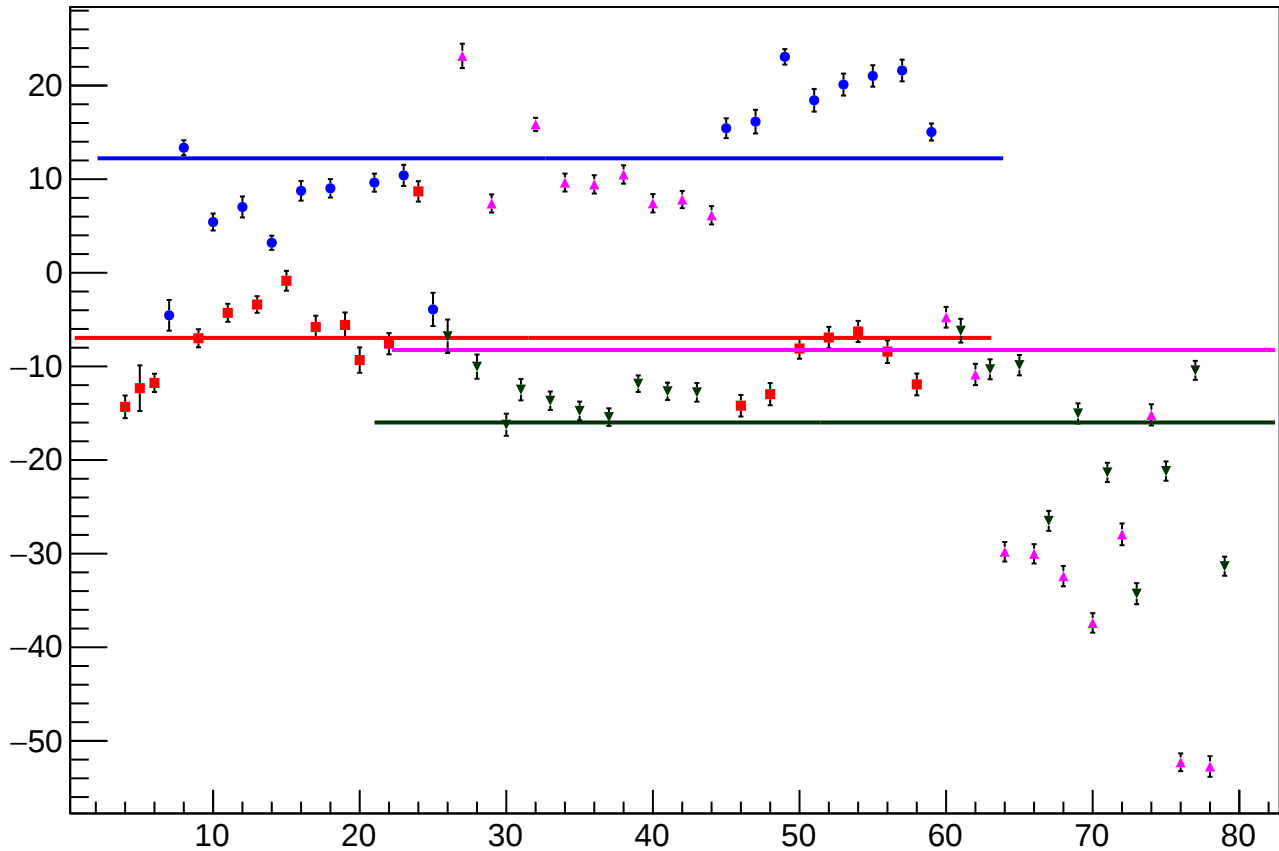
Right Out: 777.816+/-0.174 χ^2/NDF : 11180.5/18

Left In: 714.919+/-0.156 χ^2/NDF : 373402.6/18

744.878+/-0.114 χ^2/NDF : 398552.6/37

742.919+/-0.116 χ^2/NDF : 457257.0/37

diff_bpm1i04Y_mean vs slug



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

Left Out: -15.989 $\pm$ 0.238 χ^2 /NDF: 900.5/19

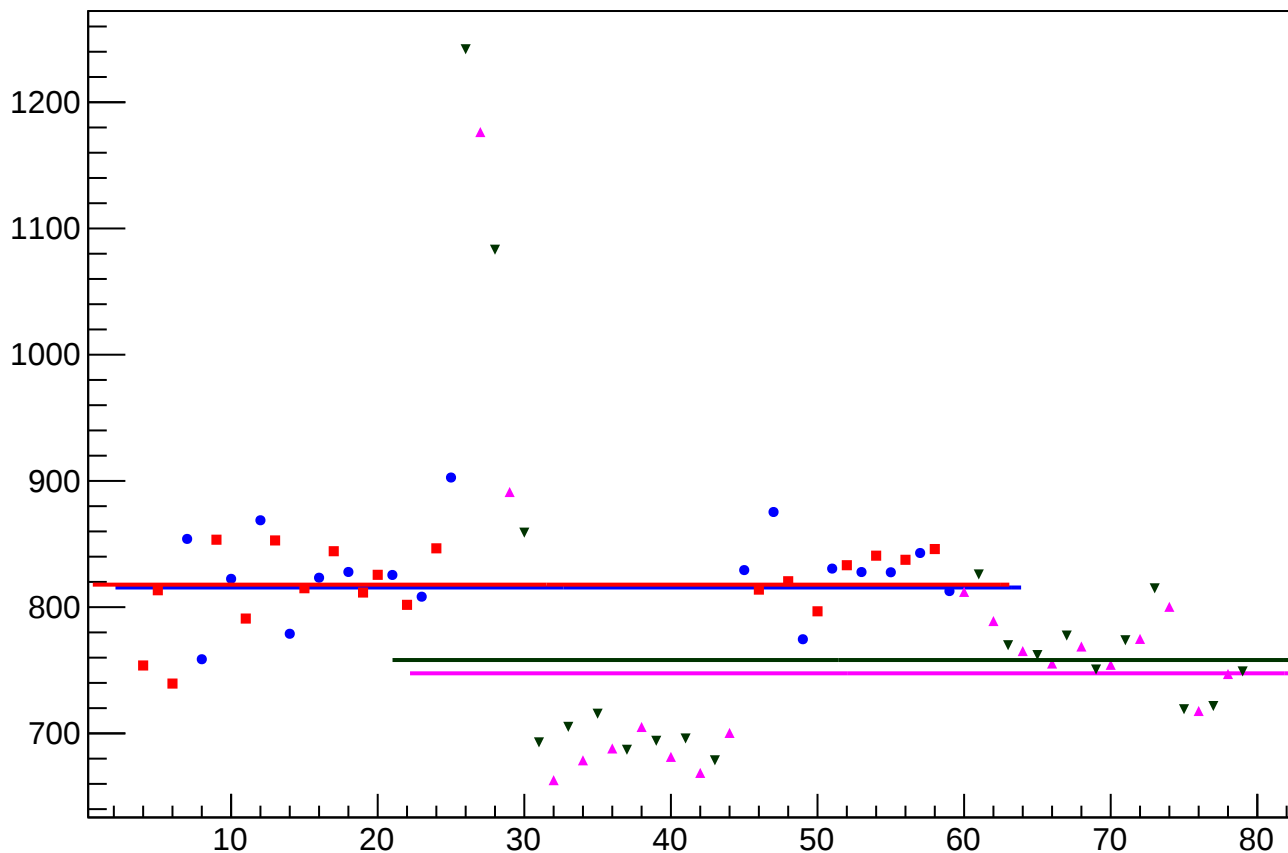
Right Out: -6.954 $\pm$ 0.259 χ^2 /NDF: 420.8/18

Left In: -8.250 $\pm$ 0.231 χ^2 /NDF: 10102.5/18

-2.232 $\pm$ 0.170 χ^2 /NDF: 8613.9/37

-7.677 $\pm$ 0.172 χ^2 /NDF: 10537.2/37

diff_bpm1i04Y_rms vs slug



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

Left Out: 758.123+/-0.168 χ^2/NDF : 365776.0/19

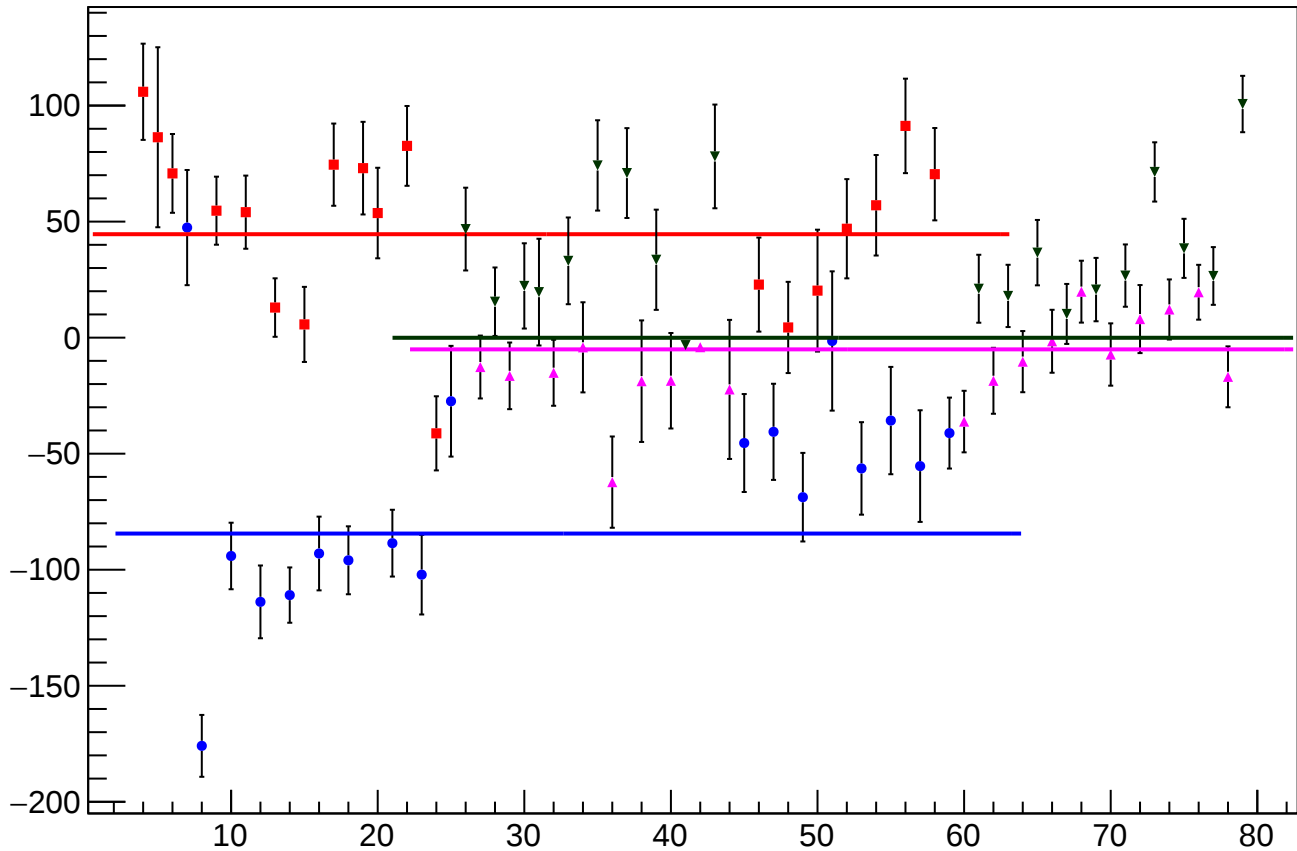
Right Out: 817.840+/-0.183 χ^2/NDF : 32410.2/18

Left In: 747.590+/-0.163 χ^2/NDF : 357349.4/18

786.133+/-0.120 χ^2/NDF : 460474.7/37

778.667+/-0.122 χ^2/NDF : 471773.0/37

diff_bpm0l02X_mean vs slug



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

Left Out: -0.054 ± 0.946 $\chi^2/\text{NDF}: 197.7/19$

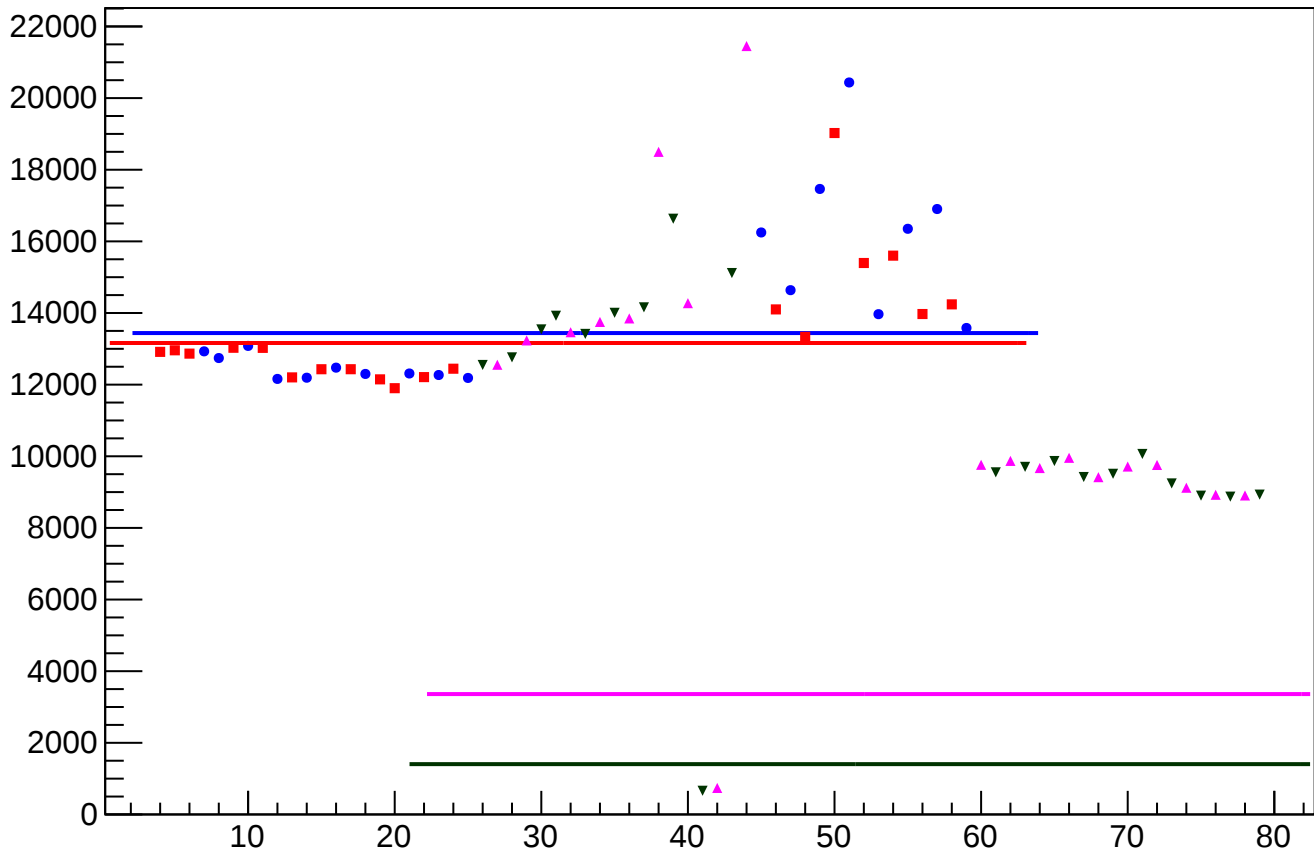
Right Out: 44.573 ± 4.203 $\chi^2/\text{NDF}: 77.6/18$

Left In: -5.051 ± 1.775 $\chi^2/\text{NDF}: 29.0/18$

-4.402 ± 0.922 $\chi^2/\text{NDF}: 731.4/37$

2.461 ± 1.635 $\chi^2/\text{NDF}: 224.9/37$

diff_bpm0l02X_rms vs slug



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

Left Out: 1404.857+/-0.669 χ^2/NDF :16204037.6/19

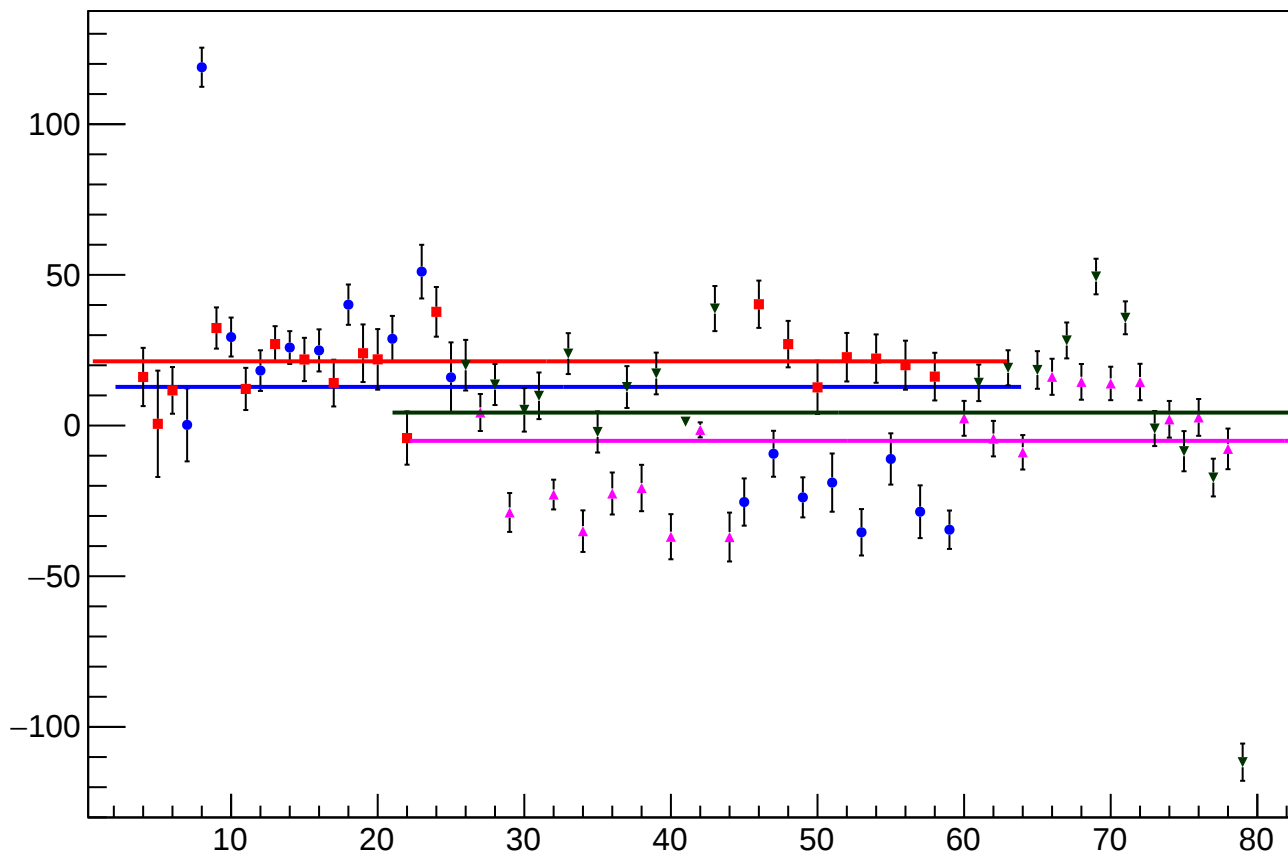
Right Out: 13162.769+/-2.972 χ^2/NDF : 204436.9/18

Left In: 3360.997+/-1.255 χ^2/NDF :13465005.3/18

2025.097+/-0.652 χ^2/NDF : 33277824.3/37

4844.749+/-1.156 χ^2/NDF : 22901886.6/37

diff_bpm0l02Y_mean vs slug



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

Left Out: 4.303+/-0.956 χ^2/NDF : 538.5/19

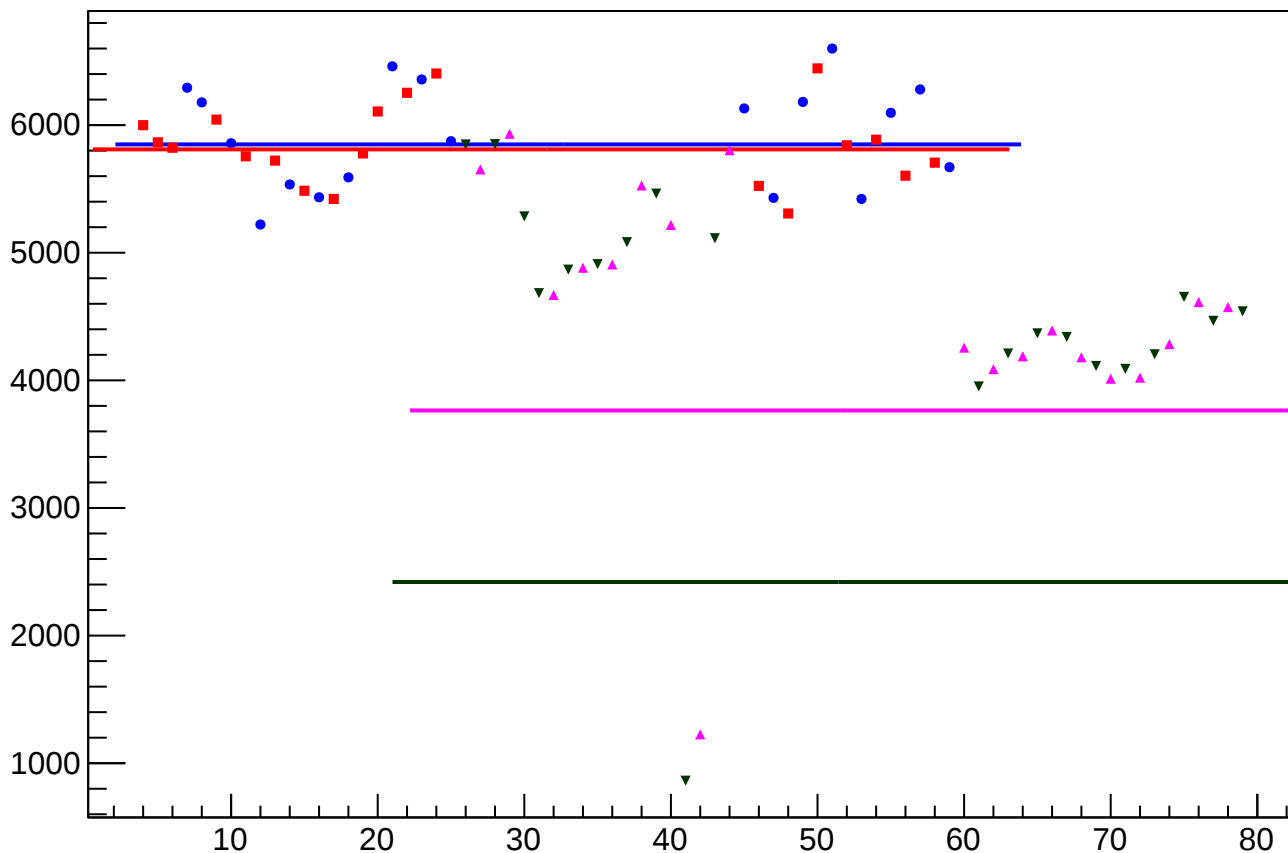
Right Out: 21.314+/-1.847 χ^2/NDF : 29.5/18

Left In: -5.076+/-1.264 χ^2/NDF : 144.9/18

6.256+/-0.839 χ^2/NDF : 1078.5/37

3.344+/-1.043 χ^2/NDF : 313.5/37

diff_bpm0l02Y_rms vs slug



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

Left Out: 2419.809 $\pm$ 0.676 χ^2 /NDF: 7849435.4/19

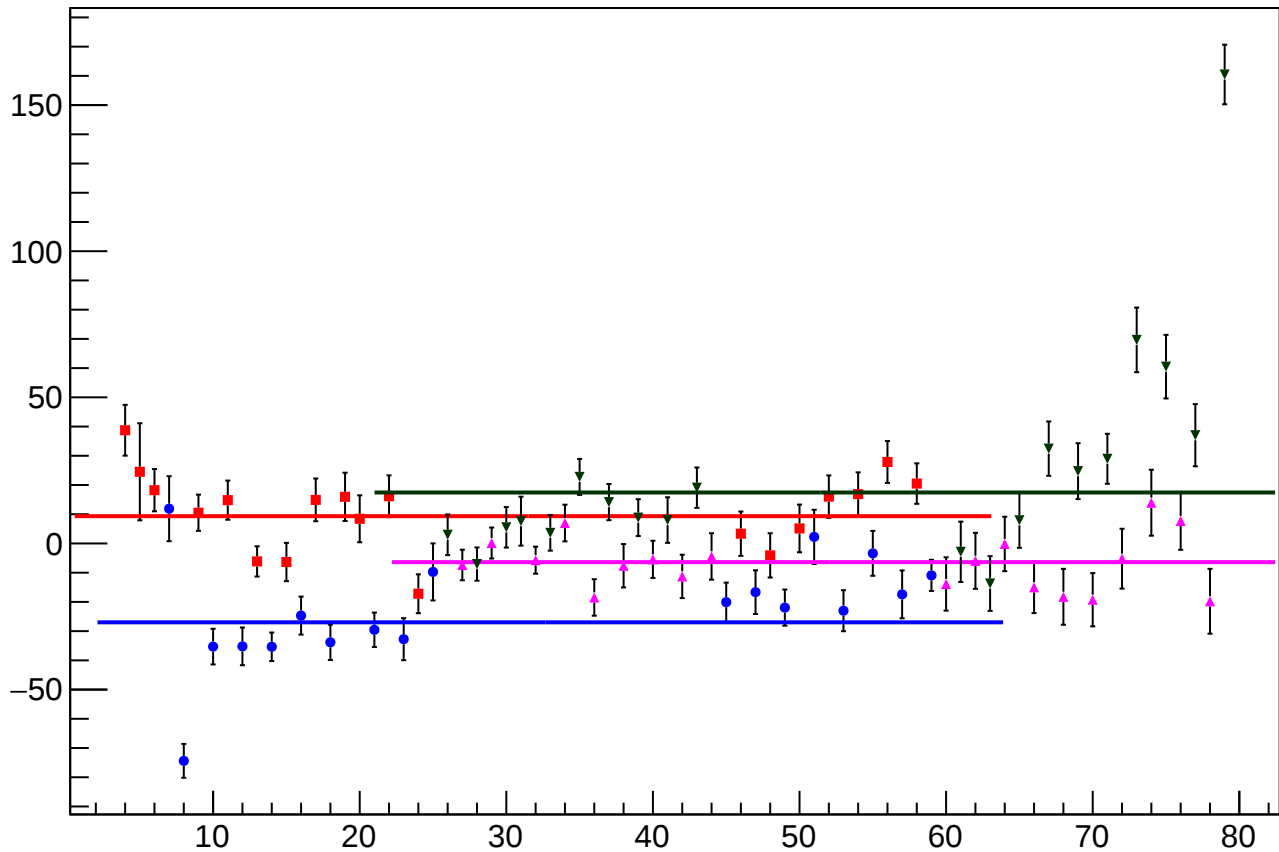
Right Out: 5809.767 $\pm$ 1.306 χ^2 /NDF: 53321.4/18

Left In: 3764.116 $\pm$ 0.894 χ^2 /NDF: 3126726.0/18

3205.768 $\pm$ 0.593 χ^2 /NDF: 13852746.4/37

4416.787 $\pm$ 0.738 χ^2 /NDF: 4850662.6/37

diff_bpm0l03X_mean vs slug



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

Left Out: 17.441 ± 1.736 $\chi^2/\text{NDF}: 295.7/19$

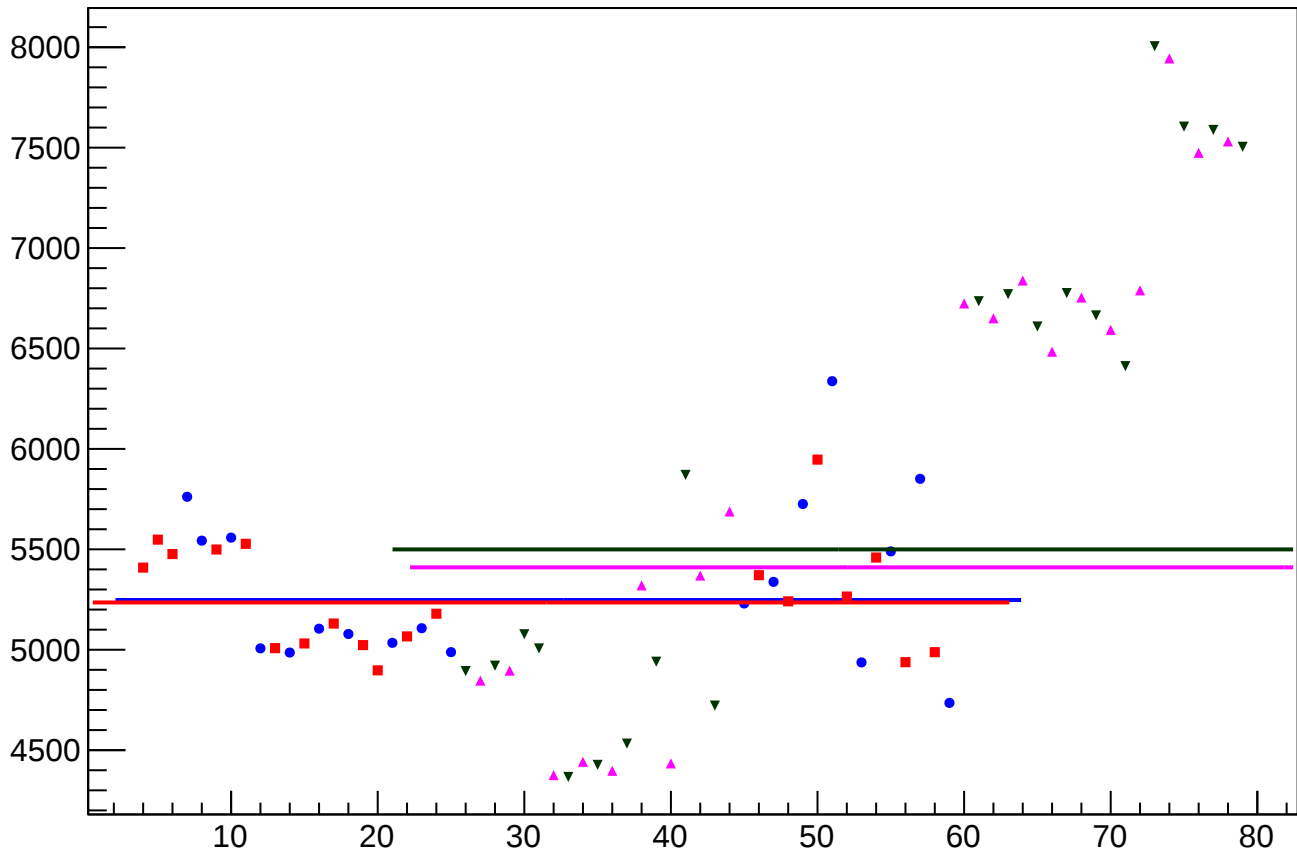
Right Out: 9.337 ± 1.659 $\chi^2/\text{NDF}: 62.4/18$

Left In: -6.391 ± 1.684 $\chi^2/\text{NDF}: 22.8/18$

-7.004 ± 1.164 $\chi^2/\text{NDF}: 780.6/37$

1.589 ± 1.182 $\chi^2/\text{NDF}: 129.4/37$

diff_bpm0l03X_rms vs slug



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

Left Out: 5499.622+/-1.227 χ^2/NDF : 789859.1/19

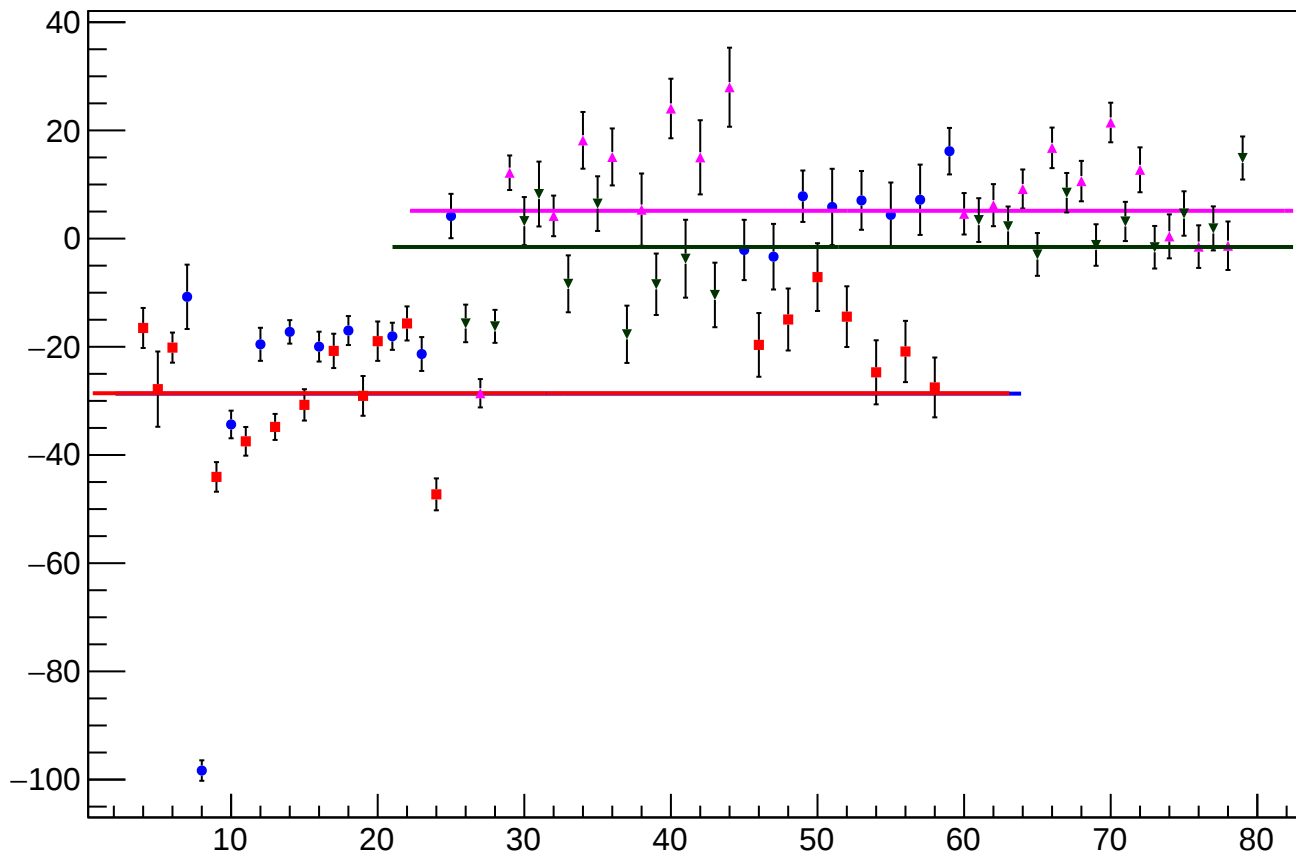
Right Out: 5235.469+/-1.173 χ^2/NDF : 47165.0/18

Left In: 5410.359+/-1.191 χ^2/NDF : 814129.9/18

5360.942+/-0.823 χ^2/NDF : 918691.4/37

5321.620+/-0.836 χ^2/NDF : 872237.0/37

diff_bpm0l03Y_mean vs slug



Right In: -28.657 ± 0.782 $\chi^2/\text{NDF}: 1857.6/17$

Left Out: -1.550 ± 0.943 $\chi^2/\text{NDF}: 92.9/19$

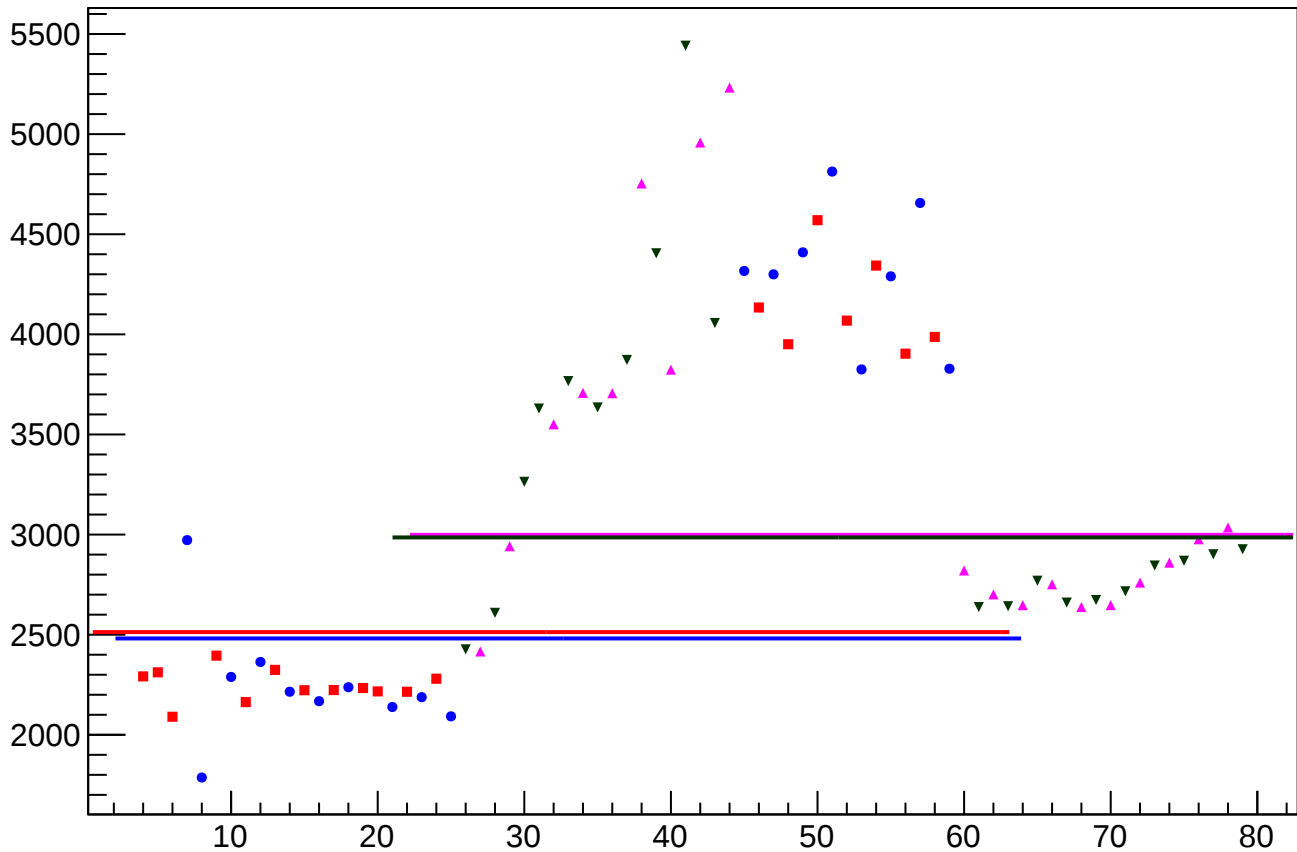
Right Out: -28.584 ± 0.826 $\chi^2/\text{NDF}: 168.7/18$

Left In: 5.138 ± 0.935 $\chi^2/\text{NDF}: 246.6/18$

-17.610 ± 0.602 $\chi^2/\text{NDF}: 2440.1/37$

-13.794 ± 0.619 $\chi^2/\text{NDF}: 1145.6/37$

diff_bpm0l03Y_rms vs slug



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

Left Out: 2985.756+/-0.667 χ^2/NDF : 752687.7/19

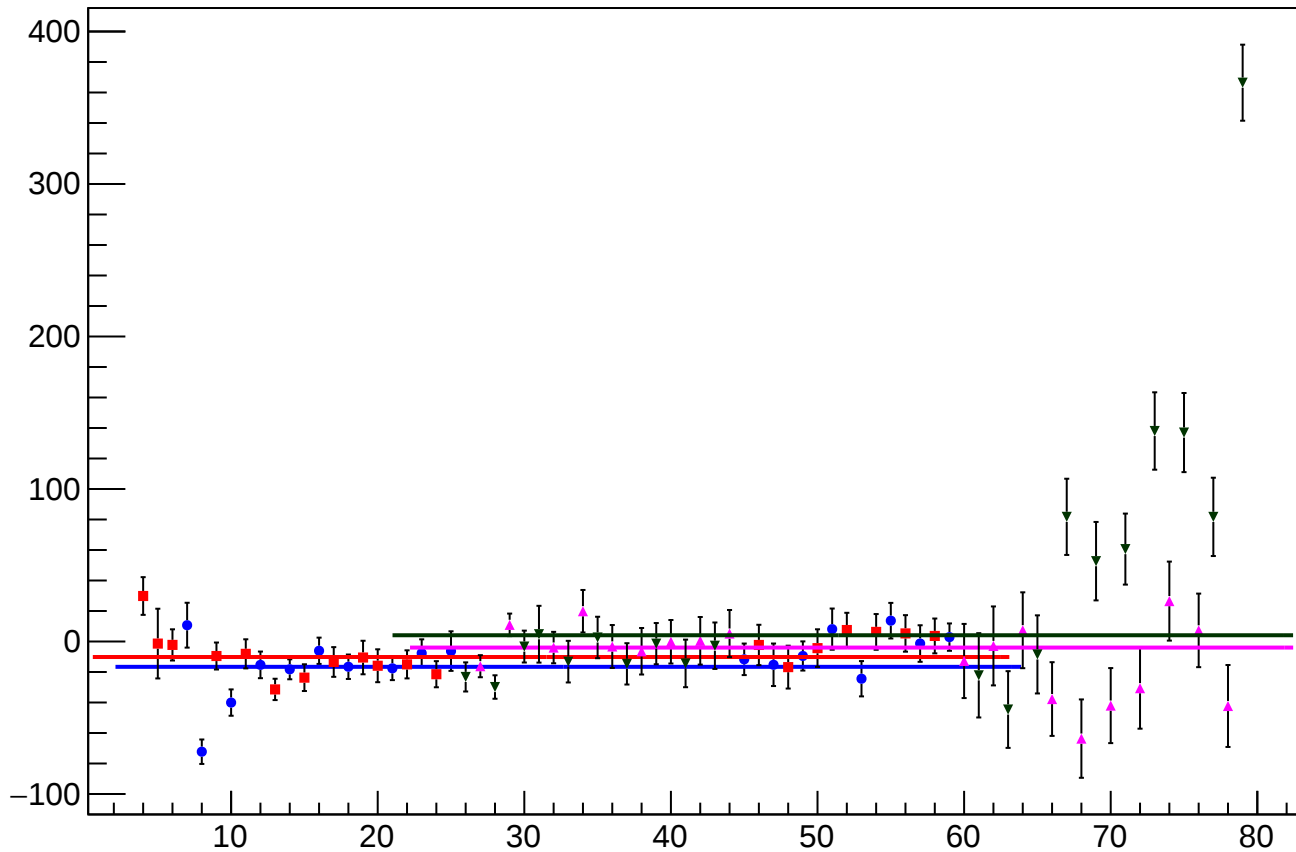
2686.831+/-0.426 χ^2/NDF : 3204353.9/37

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

2725.960+/-0.438 χ^2/NDF : 2439942.7/37

Left In: 2998.635+/-0.661 χ^2/NDF : 838358.4/18

diff_bpm0l04X_mean vs slug



Right In: -16.612 ± 2.242 χ^2/NDF : 79.9/17

Left Out: 4.097 ± 3.419 χ^2/NDF : 331.9/19

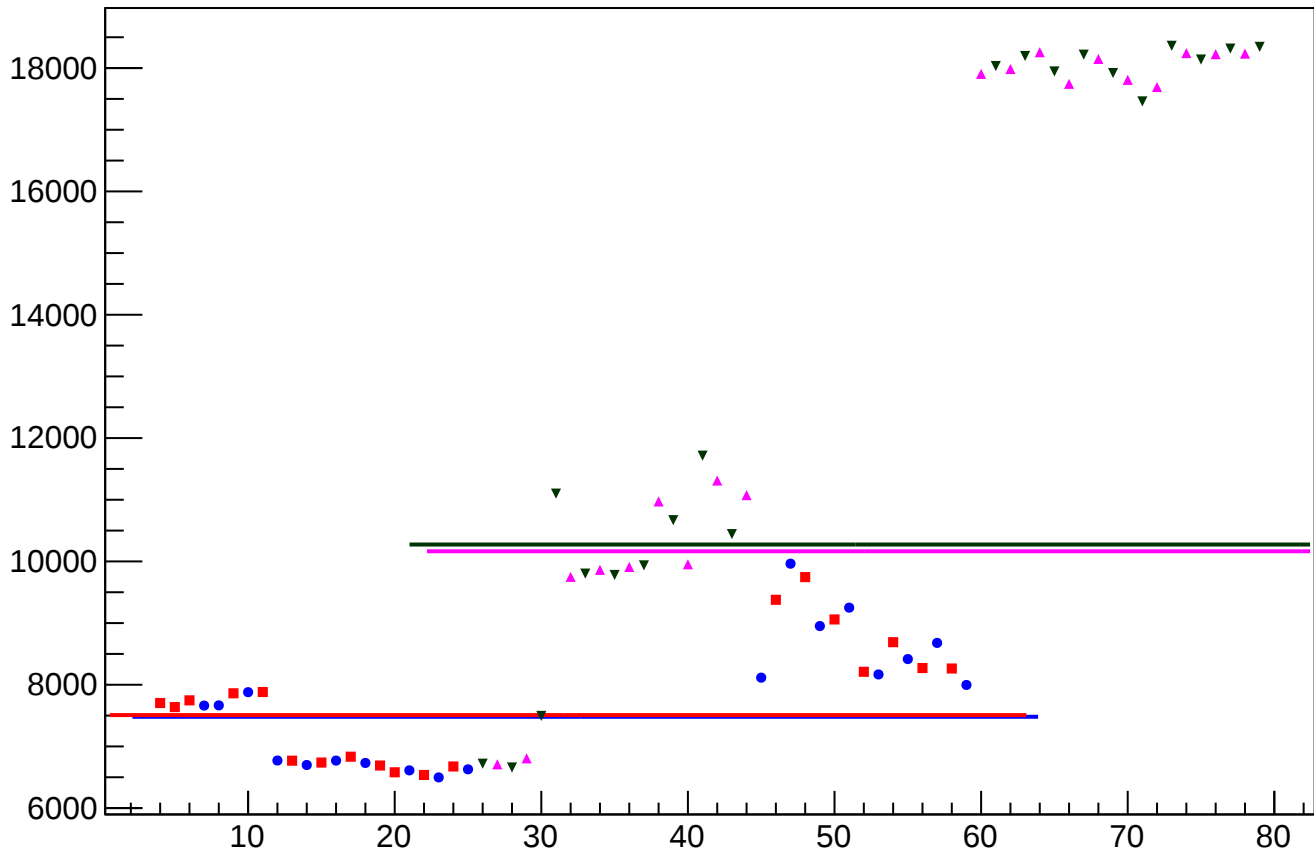
Right Out: -10.172 ± 2.389 χ^2/NDF : 33.7/18

Left In: -3.981 ± 3.329 χ^2/NDF : 25.1/18

-10.385 ± 1.875 χ^2/NDF : 437.4/37

-8.067 ± 1.941 χ^2/NDF : 61.0/37

diff_bpm0l04X_rms vs slug



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

Left Out: 10274.000+/-2.417 χ^2/NDF : 2786844.1/19

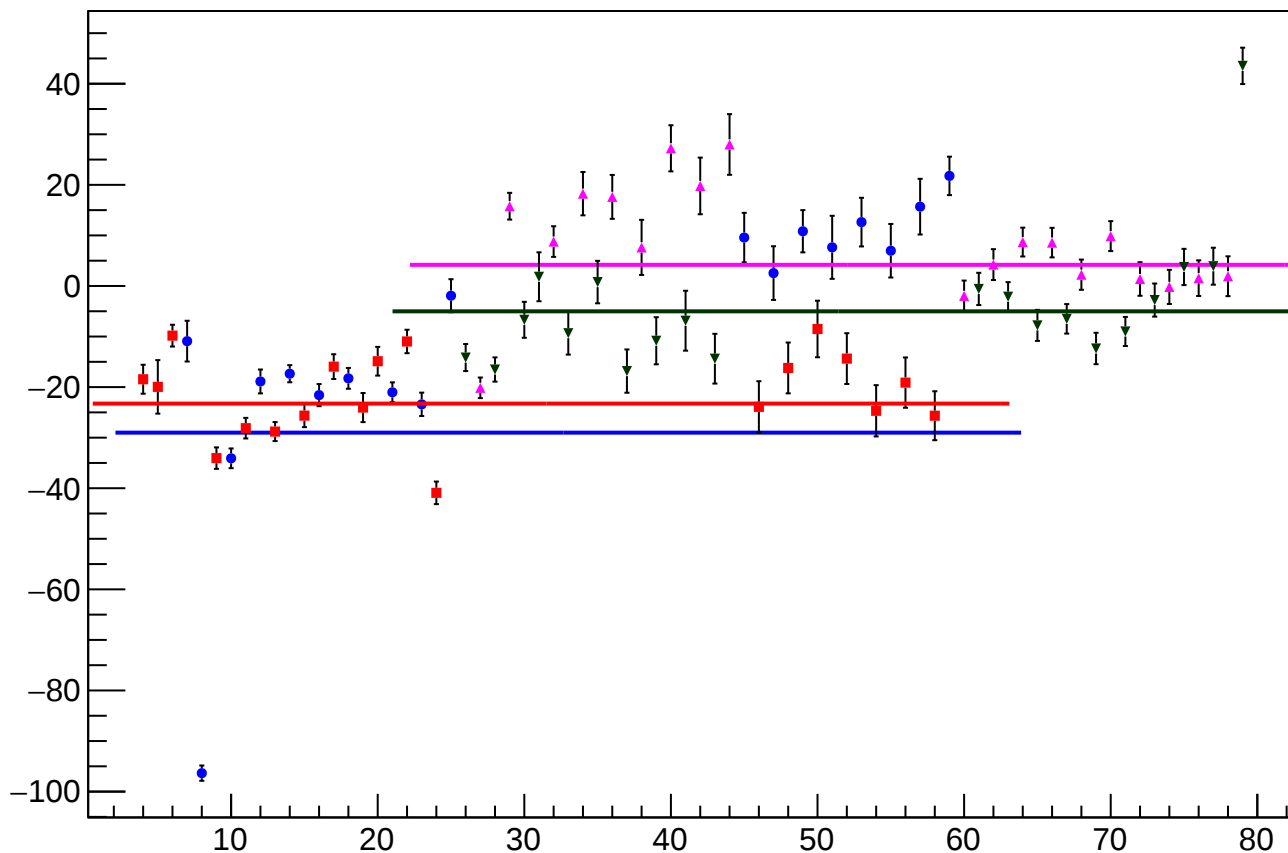
Right Out: 7508.240+/-1.689 χ^2/NDF : 289453.4/18

Left In: 10164.617+/-2.354 χ^2/NDF : 2836450.3/18

8320.590+/-1.326 χ^2/NDF : 4055364.6/37

8411.336+/-1.372 χ^2/NDF : 3966544.0/37

diff_bpm0l04Y_mean vs slug



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

Left Out: -5.015 ± 0.765 χ^2/NDF : 258.7/19

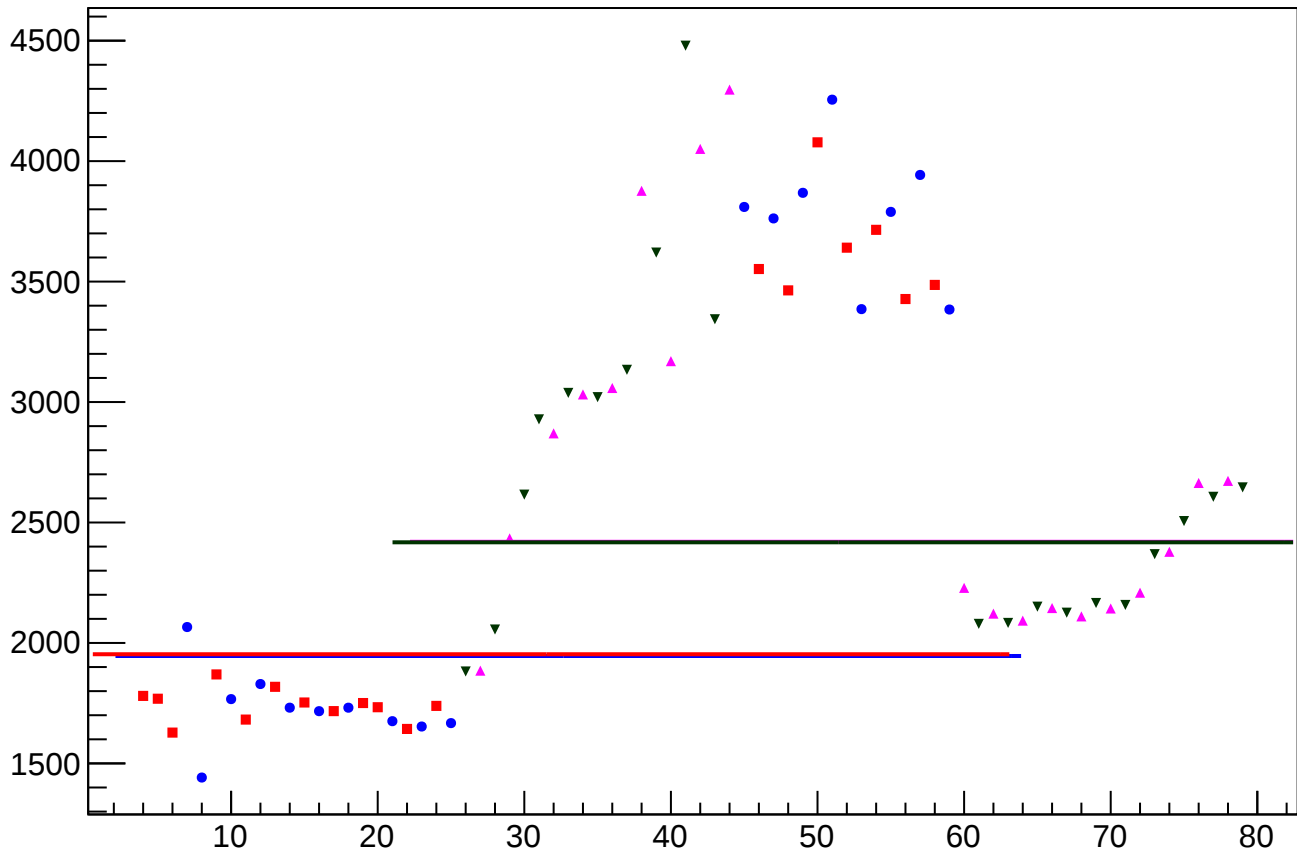
Right Out: -23.263 ± 0.648 χ^2/NDF : 204.8/18

Left In: 4.182 ± 0.757 χ^2/NDF : 250.0/18

-19.528 ± 0.481 χ^2/NDF : 3645.5/37

-11.650 ± 0.492 χ^2/NDF : 1213.9/37

diff_bpm0l04Y_rms vs slug



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

Left Out: 2417.783+/-0.541 χ^2/NDF : 869800.2/19

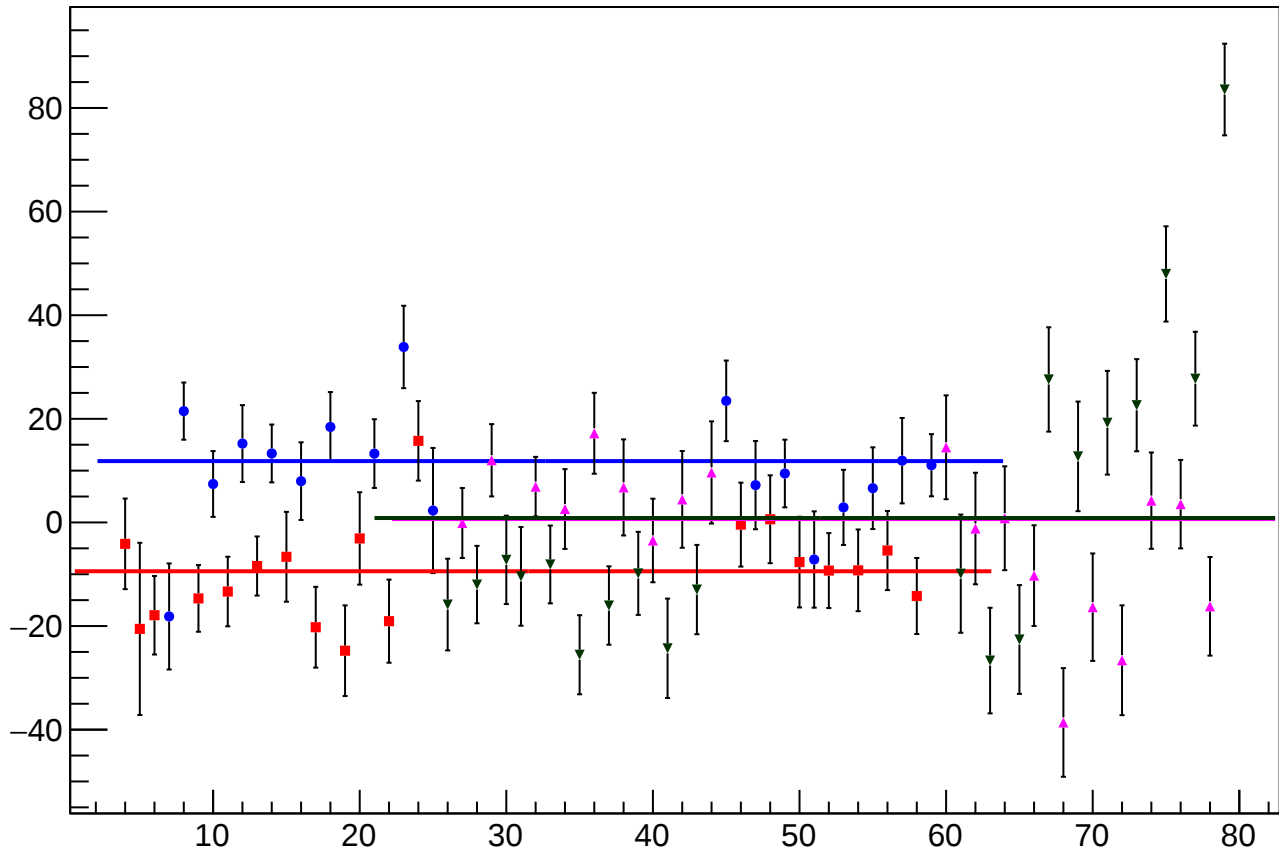
Right Out: 1953.157+/-0.458 χ^2/NDF : 1725858.1/18

Left In: 2419.975+/-0.535 χ^2/NDF : 964286.5/18

2132.308+/-0.340 χ^2/NDF : 3929561.6/37

2150.677+/-0.348 χ^2/NDF : 3129386.8/37

diff_bpm0l05X_mean vs slug



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

Left Out: 0.851 ± 1.991 χ^2/NDF : 191.7/19

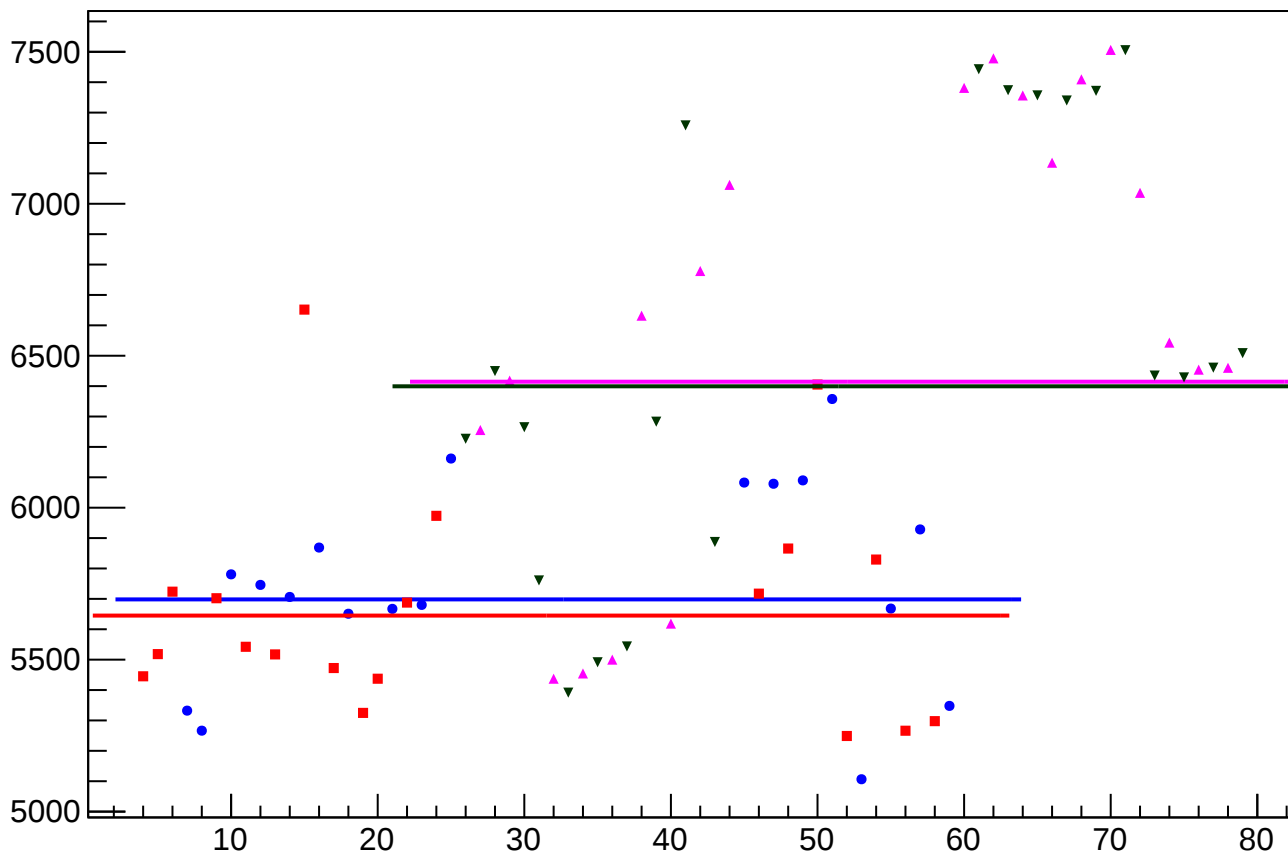
Right Out: -9.425 ± 1.790 χ^2/NDF : 24.3/18

Left In: 0.648 ± 1.971 χ^2/NDF : 40.0/18

7.201 ± 1.293 χ^2/NDF : 240.1/37

-4.872 ± 1.325 χ^2/NDF : 78.6/37

diff_bpm0l05X_rms vs slug



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

Left Out: 6399.403+/-1.408 χ^2/NDF : 234571.6/19

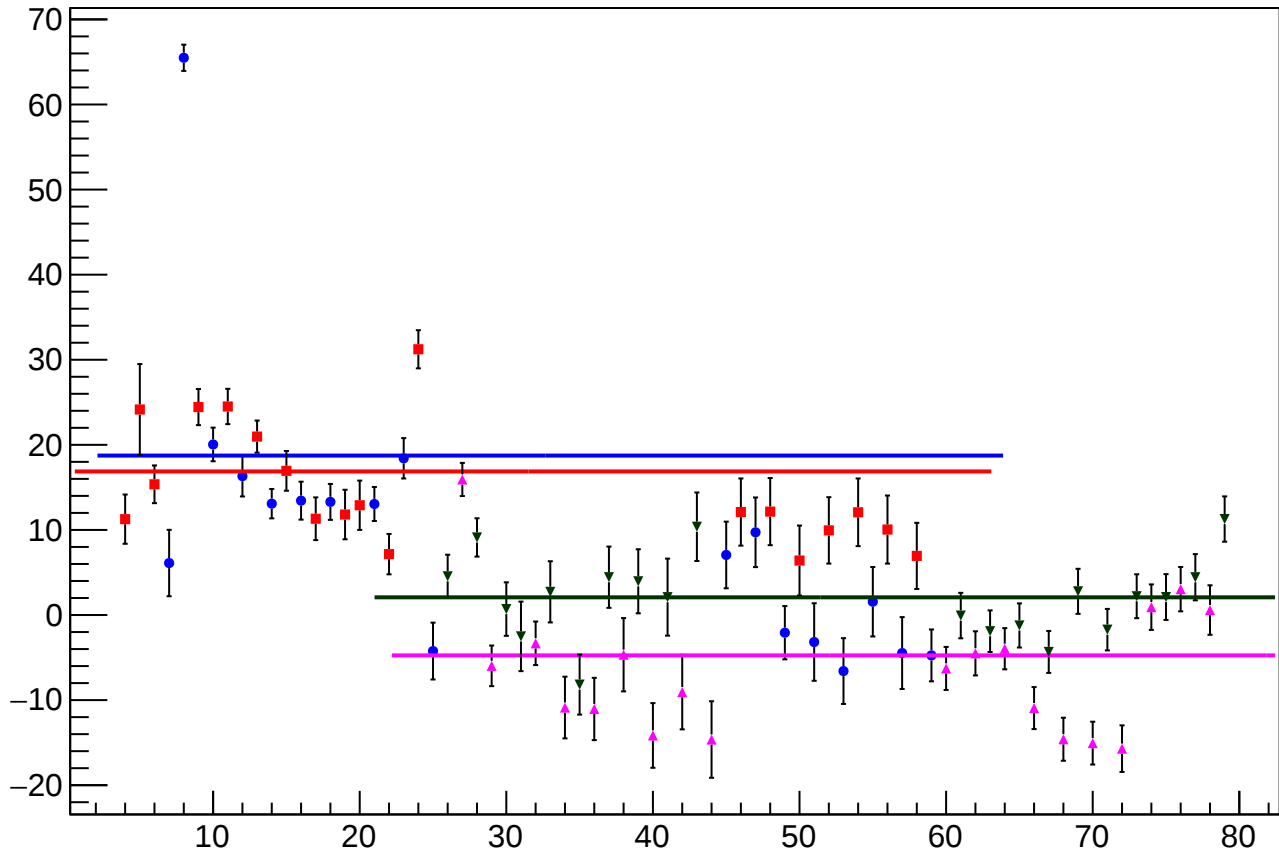
Right Out: 5644.999+/-1.266 χ^2/NDF : 71475.4/18

Left In: 6414.558+/-1.394 χ^2/NDF : 264002.2/18

5994.125+/-0.915 χ^2/NDF : 445163.5/37

5992.853+/-0.937 χ^2/NDF : 502577.9/37

diff_bpm0l05Y_mean vs slug



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

Left Out: 2.079 ± 0.642 χ^2/NDF : 52.4/19

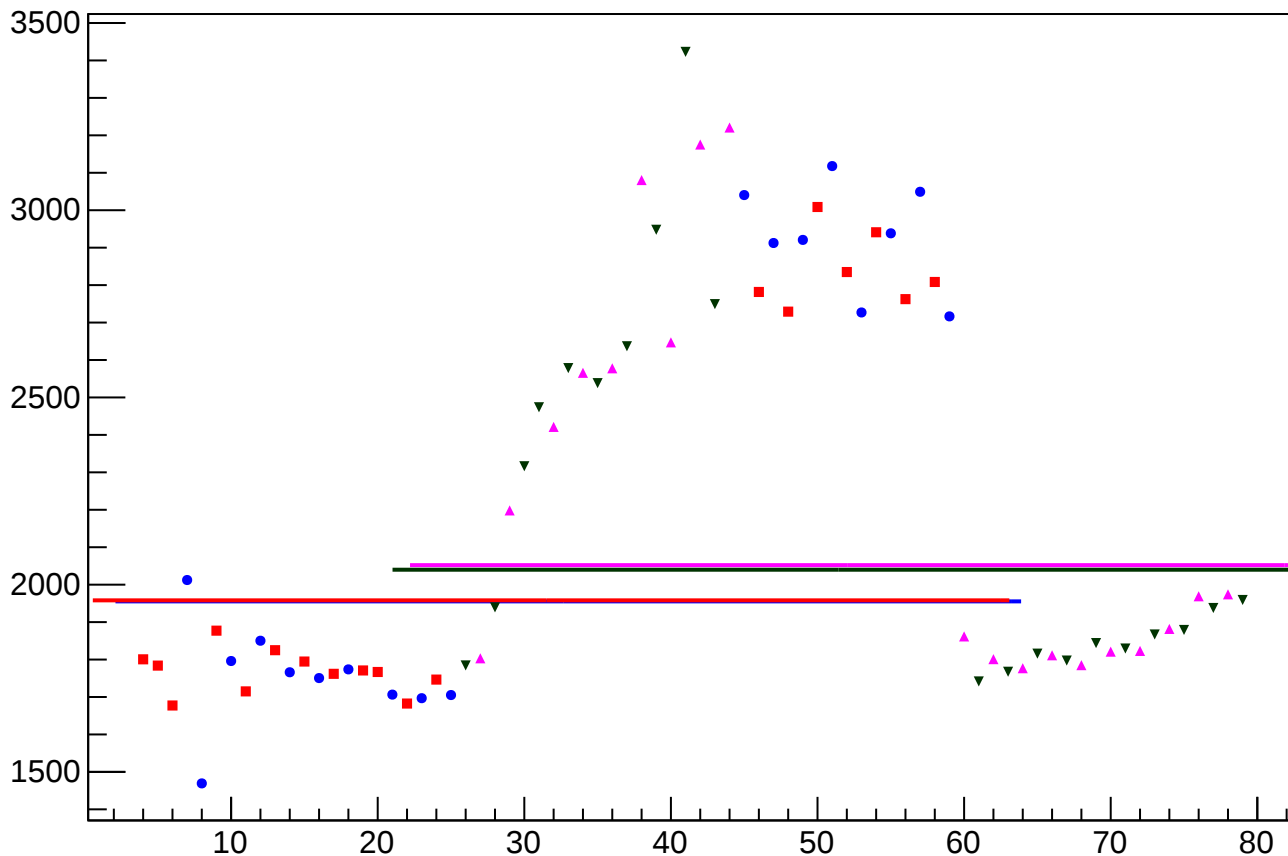
Right Out: 16.874 ± 0.633 χ^2/NDF : 128.0/18

Left In: -4.744 ± 0.638 χ^2/NDF : 202.5/18

10.949 ± 0.439 χ^2/NDF : 1652.2/37

6.138 ± 0.449 χ^2/NDF : 909.3/37

diff_bpm0l05Y_rms vs slug



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

Left Out: 2039.936 $\pm$ 0.454 χ^2 /NDF: 697834.6/19

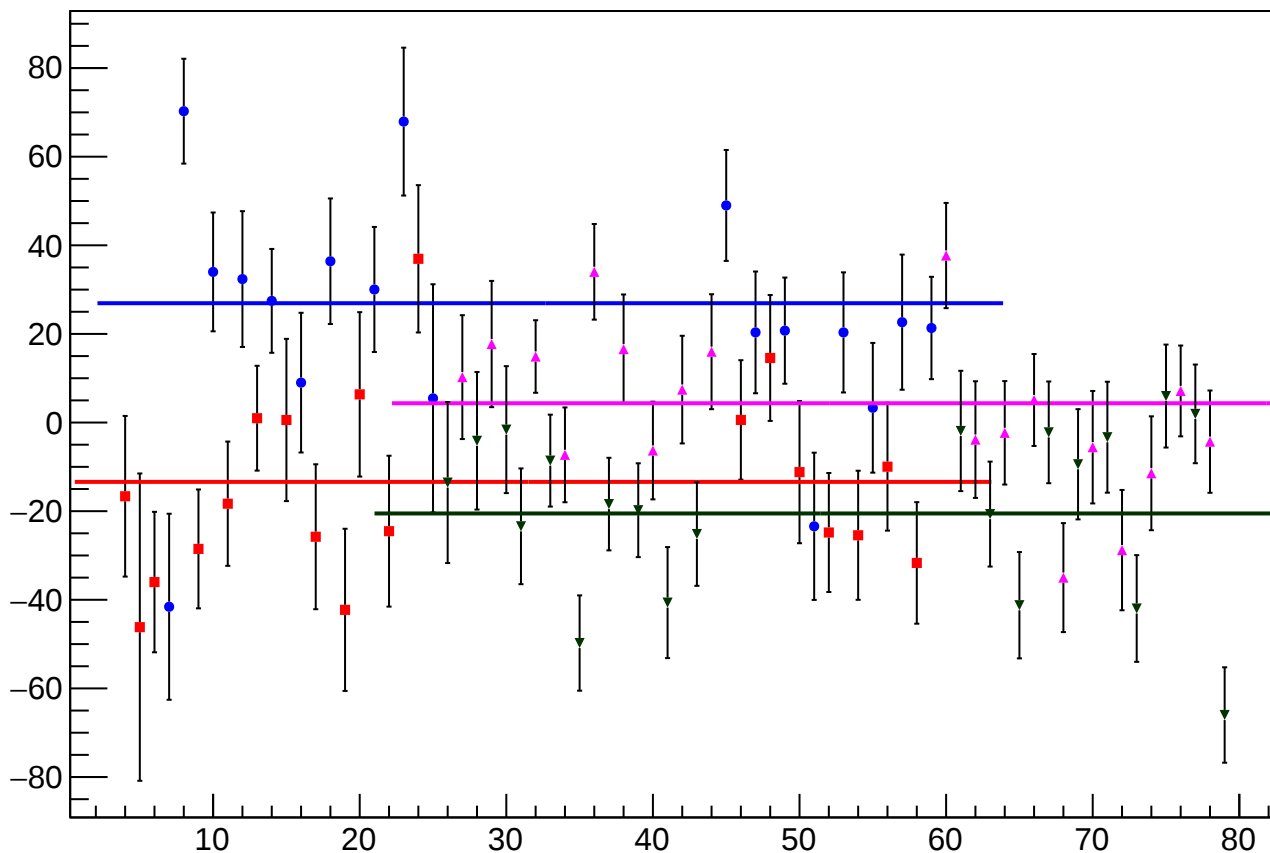
Right Out: 1958.115 $\pm$ 0.448 χ^2 /NDF: 858074.3/18

Left In: 2052.137 $\pm$ 0.451 χ^2 /NDF: 732489.3/18

1994.909 $\pm$ 0.310 χ^2 /NDF: 2091990.3/37

2004.806 $\pm$ 0.318 χ^2 /NDF: 1612460.7/37

diff_bpm0l06X_mean vs slug



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

Left Out: -20.518 ± 2.686 $\chi^2/\text{NDF}: 54.9/19$

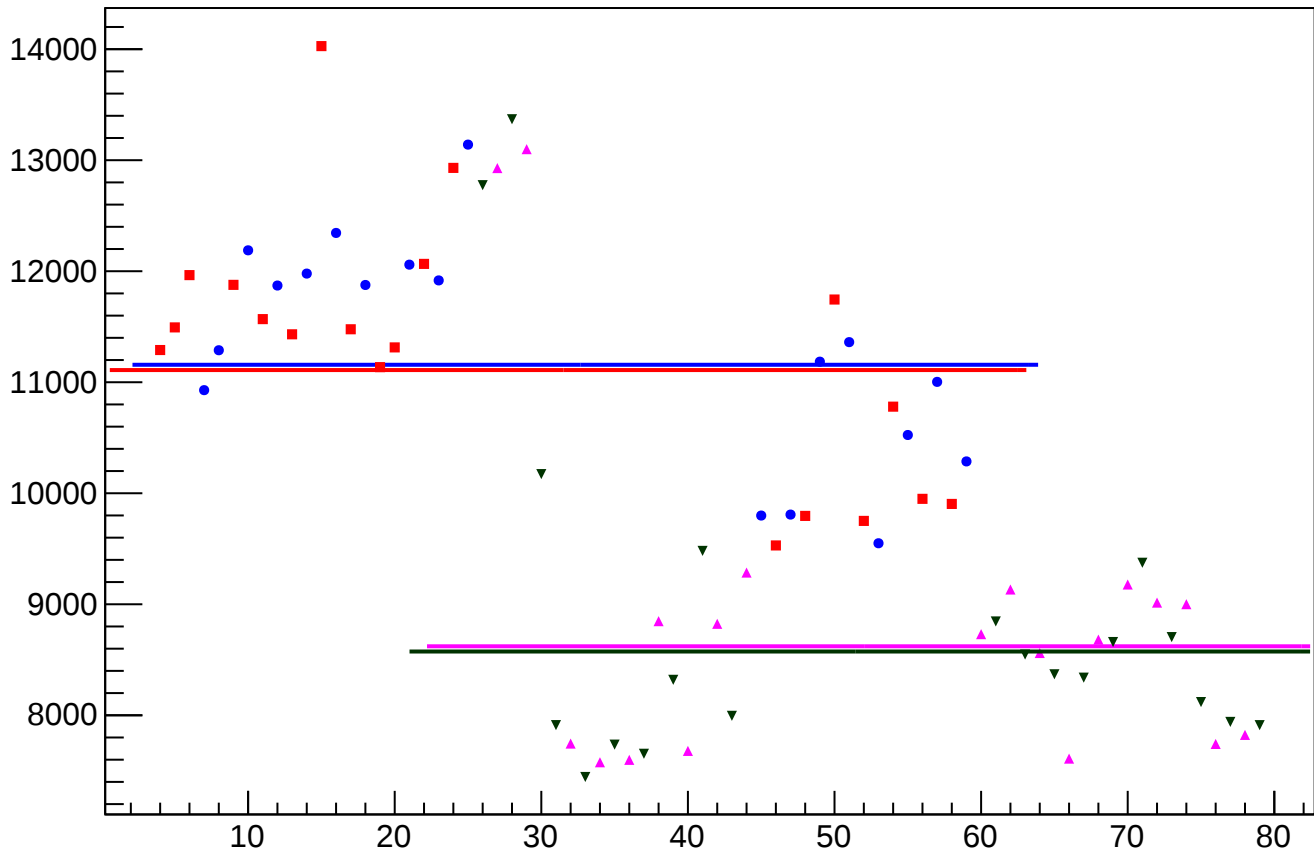
Right Out: -13.392 ± 3.535 $\chi^2/\text{NDF}: 28.4/18$

Left In: 4.356 ± 2.667 $\chi^2/\text{NDF}: 41.8/18$

-1.857 ± 2.093 $\chi^2/\text{NDF}: 226.5/37$

-2.082 ± 2.129 $\chi^2/\text{NDF}: 86.3/37$

diff_bpm0l06X_rms vs slug



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

Left Out: 8574.449 $\pm$ 1.900 χ^2 /NDF:423723.4/19

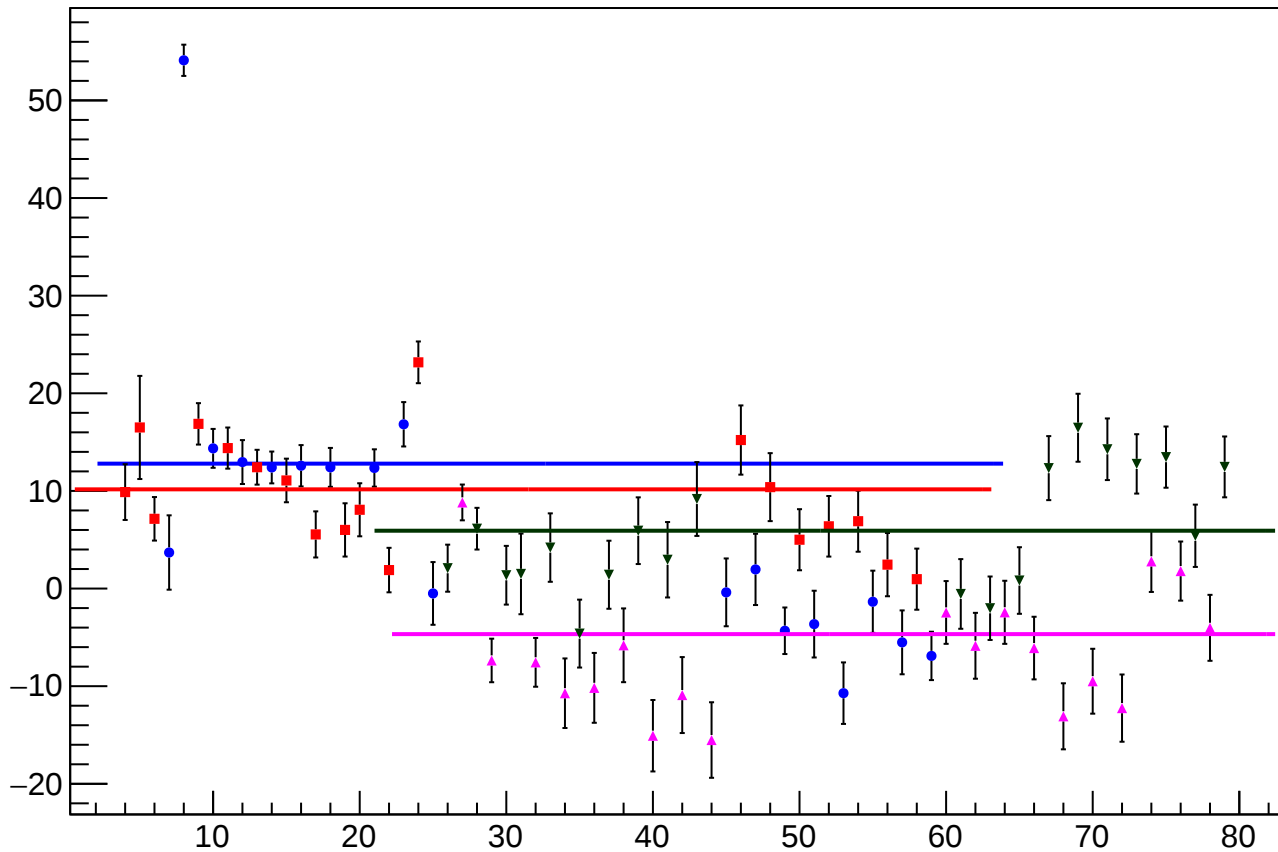
9590.248 $\pm$ 1.480 χ^2 /NDF: 1304511.0/37

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

9524.040 $\pm$ 1.505 χ^2 /NDF: 1350409.8/37

Left In: 8621.493 $\pm$ 1.886 χ^2 /NDF:522457.2/18

diff_bpm0l06Y_mean vs slug



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

Left Out: 5.924 ± 0.711 χ^2/NDF : 65.2/19

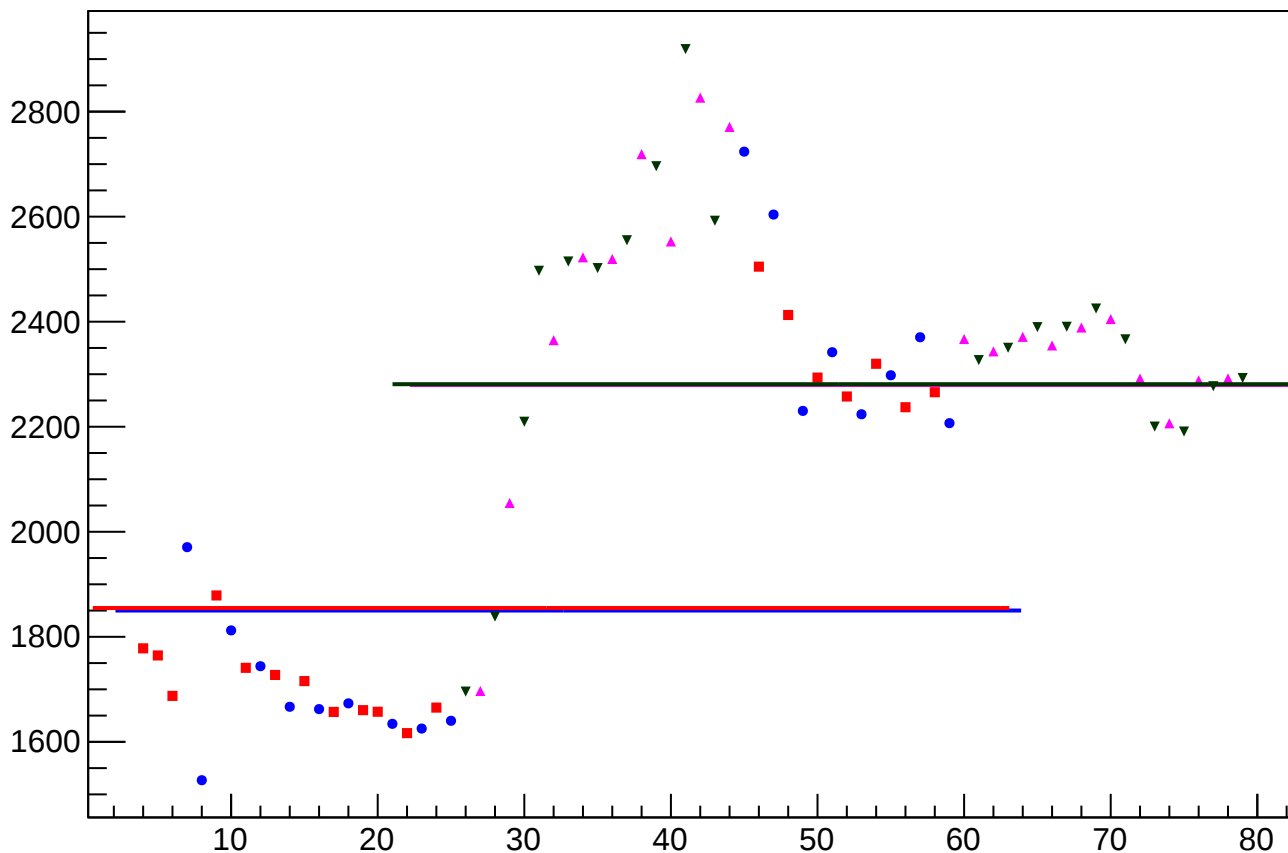
Right Out: 10.162 ± 0.592 χ^2/NDF : 97.7/18

Left In: -4.667 ± 0.702 χ^2/NDF : 105.5/18

10.172 ± 0.440 χ^2/NDF : 1083.9/37

3.990 ± 0.453 χ^2/NDF : 464.0/37

diff_bpm0l06Y_rms vs slug



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

Left Out: 2280.987+/-0.503 χ^2 /NDF:350867.5/19

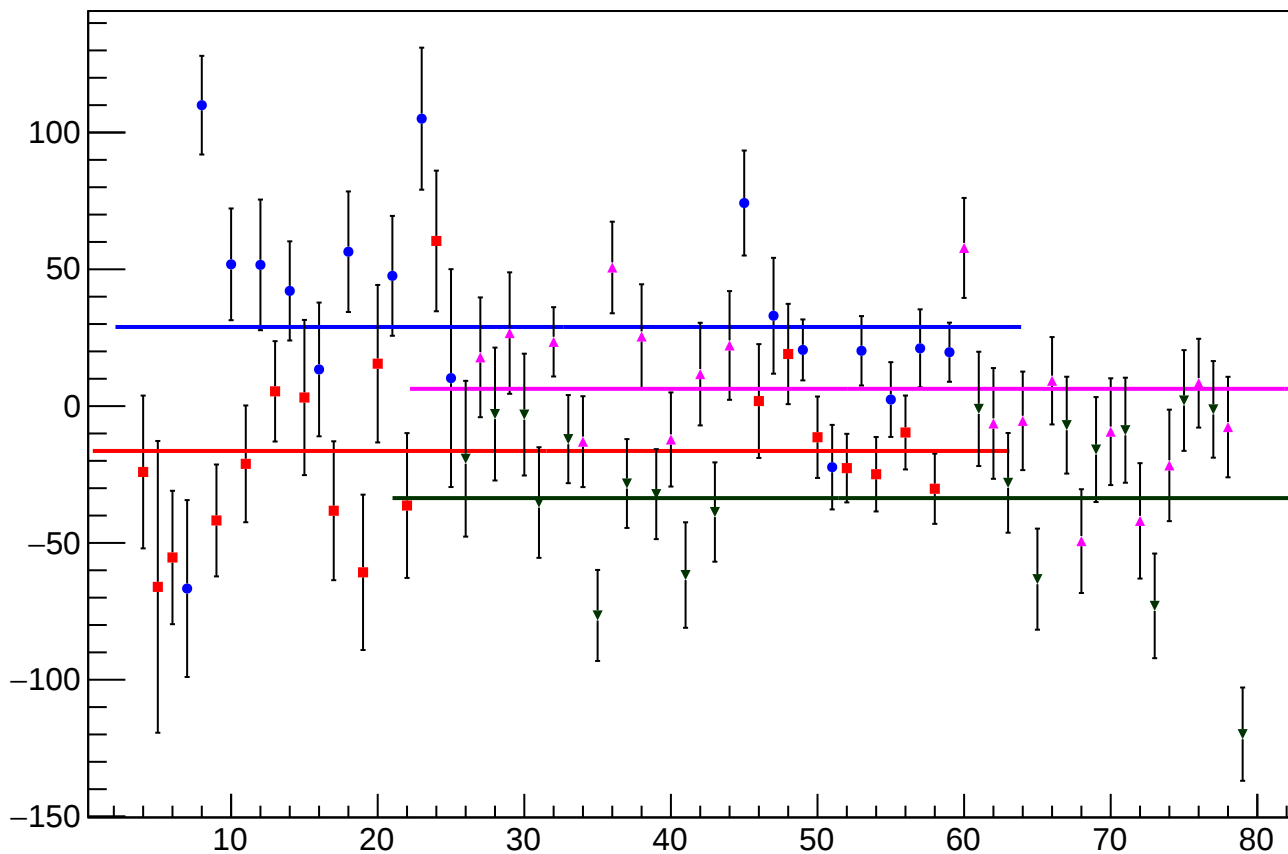
Right Out: 1854.854+/-0.419 χ^2 /NDF: 407929.4/18

Left In: 2279.498+/-0.496 χ^2 /NDF:364059.0/18

2014.544+/-0.311 χ^2 /NDF: 1467599.4/37

2031.583+/-0.320 χ^2 /NDF: 1199796.8/37

diff_bpm0l07X_mean vs slug



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

Left Out: -33.615 ± 4.178 $\chi^2/\text{NDF}: 61.4/19$

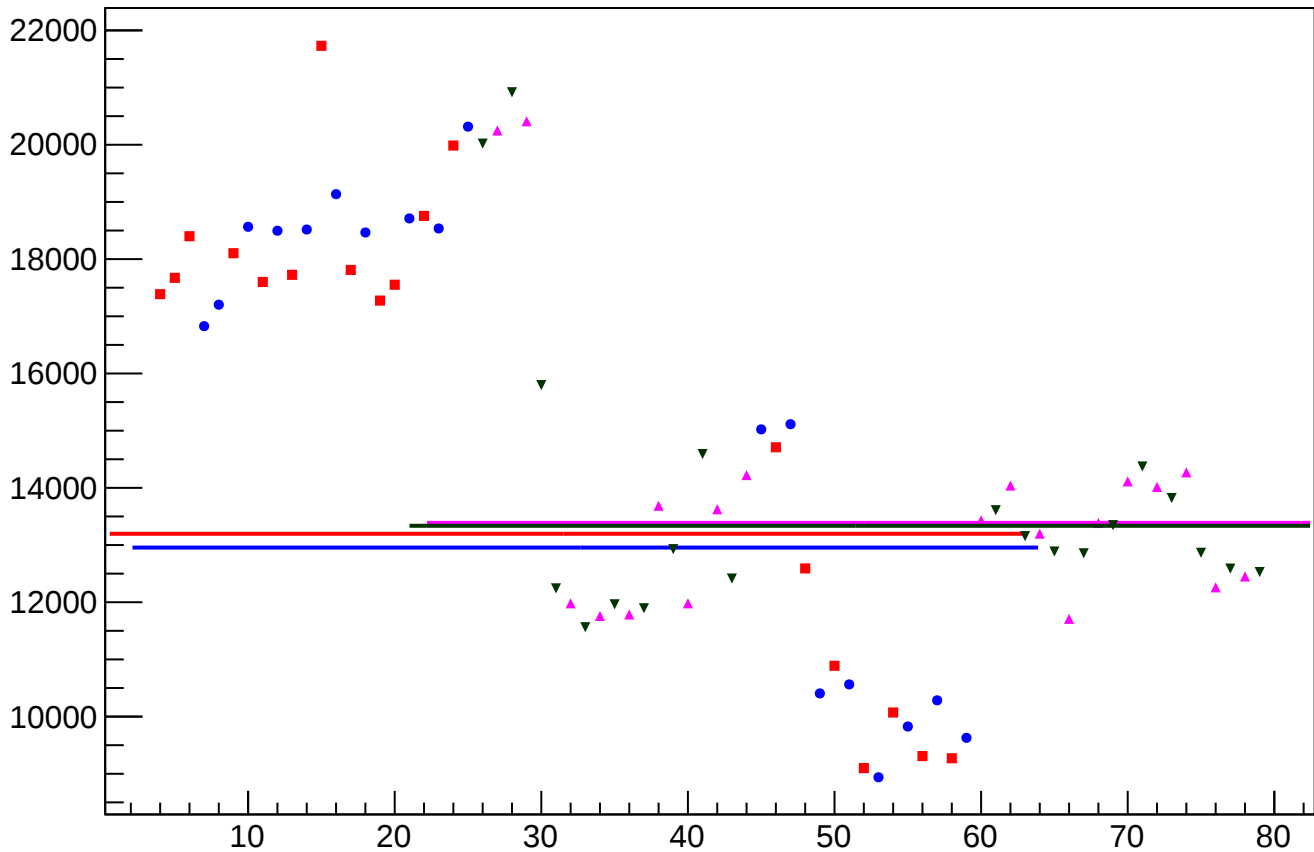
Right Out: -16.388 ± 4.377 $\chi^2/\text{NDF}: 27.5/18$

Left In: 6.313 ± 4.141 $\chi^2/\text{NDF}: 40.0/18$

-1.256 ± 2.903 $\chi^2/\text{NDF}: 242.9/37$

-4.409 ± 3.008 $\chi^2/\text{NDF}: 81.7/37$

diff_bpm0l07X_rms vs slug



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

Left Out: 13336.884+/-2.955 χ^2/NDF : 423720.4/19

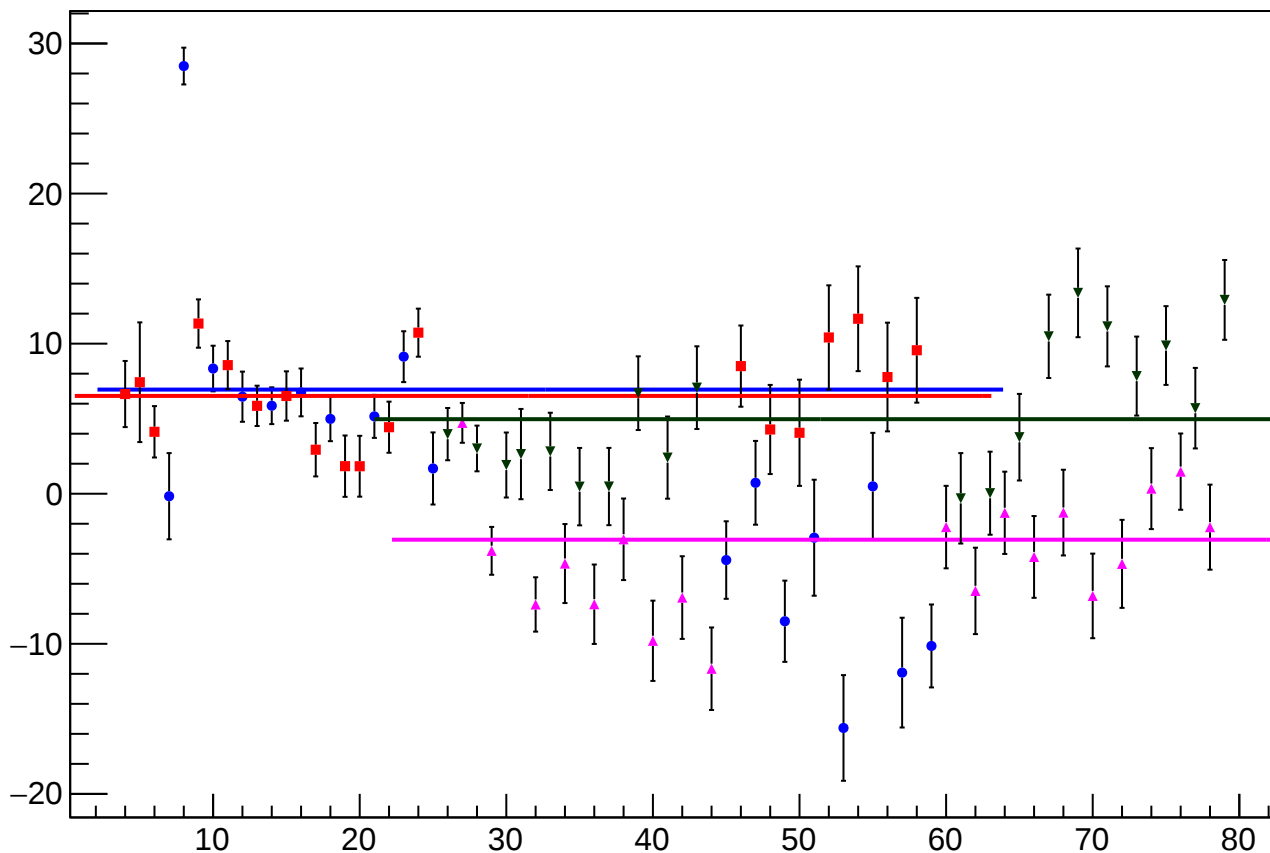
13139.757+/-2.052 χ^2/NDF : 2332958.1/37

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

13297.715+/-2.127 χ^2/NDF : 2293963.9/37

Left In: 13387.687+/-2.928 χ^2/NDF : 524212.0/18

diff_bpm0l07Y_mean vs slug



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

Left Out: 4.967+/-0.552 χ^2/NDF : 50.8/19

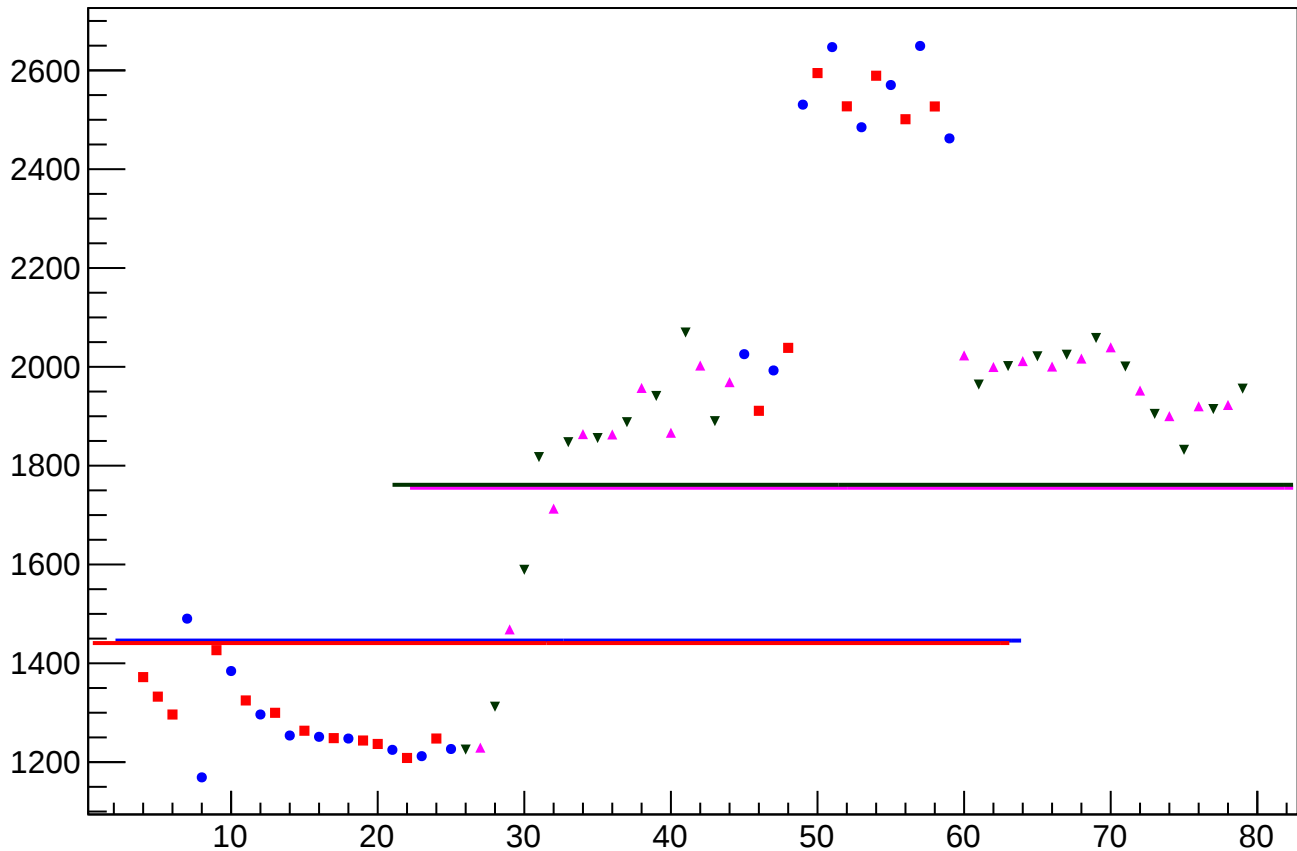
Right Out: 6.517+/-0.472 χ^2/NDF : 41.8/18

Left In: -3.063+/-0.543 χ^2/NDF : 70.8/18

6.153+/-0.349 χ^2/NDF : 558.1/37

2.396+/-0.356 χ^2/NDF : 290.2/37

diff_bpm0l07Y_rms vs slug



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

Left Out: 1761.256+/-0.390 χ^2/NDF : 546218.8/19

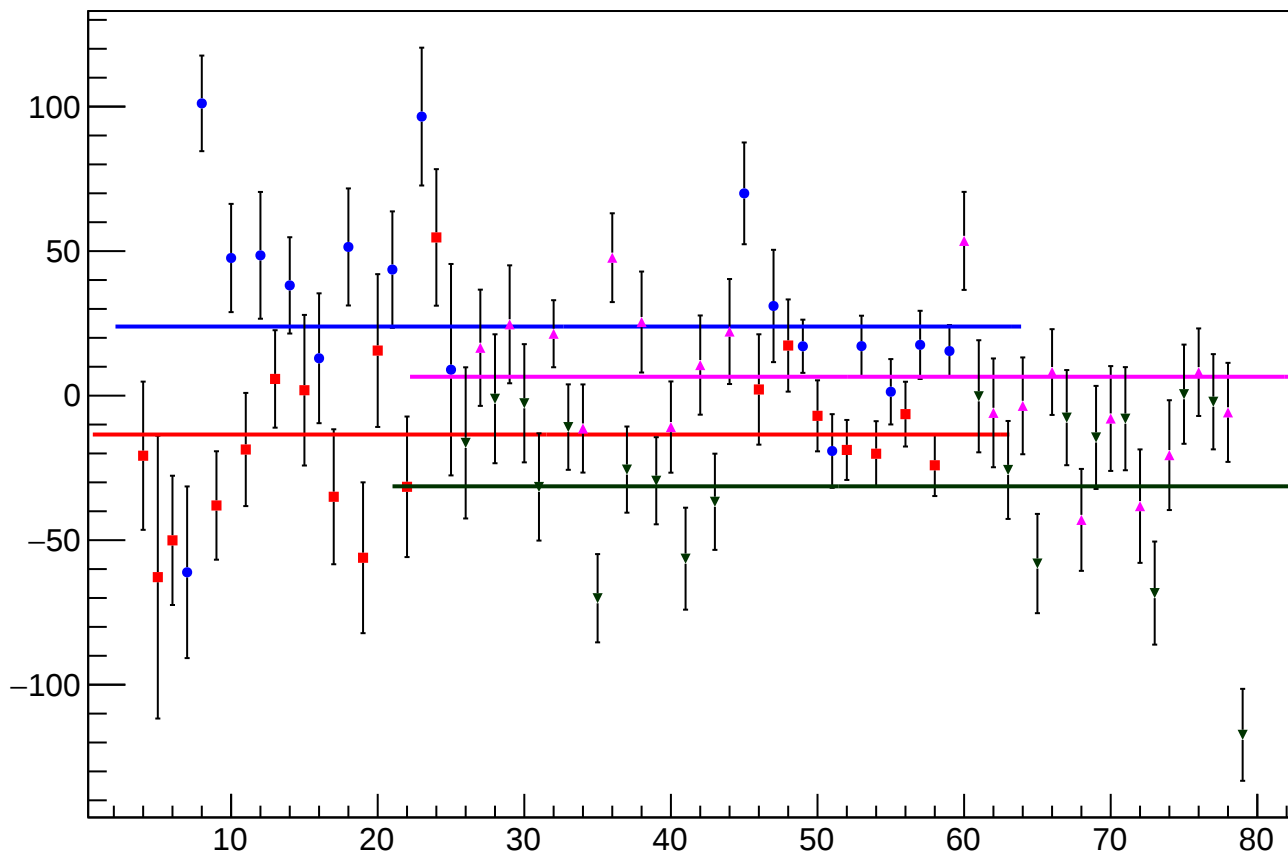
1571.781+/-0.246 χ^2/NDF : 2829949.2/37

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

1576.214+/-0.252 χ^2/NDF : 2279075.3/37

Left In: 1755.331+/-0.384 χ^2/NDF : 563504.9/18

diff_bpm0l08X_mean vs slug



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

Left Out: -31.371+/-3.862 χ^2/NDF : 64.7/19

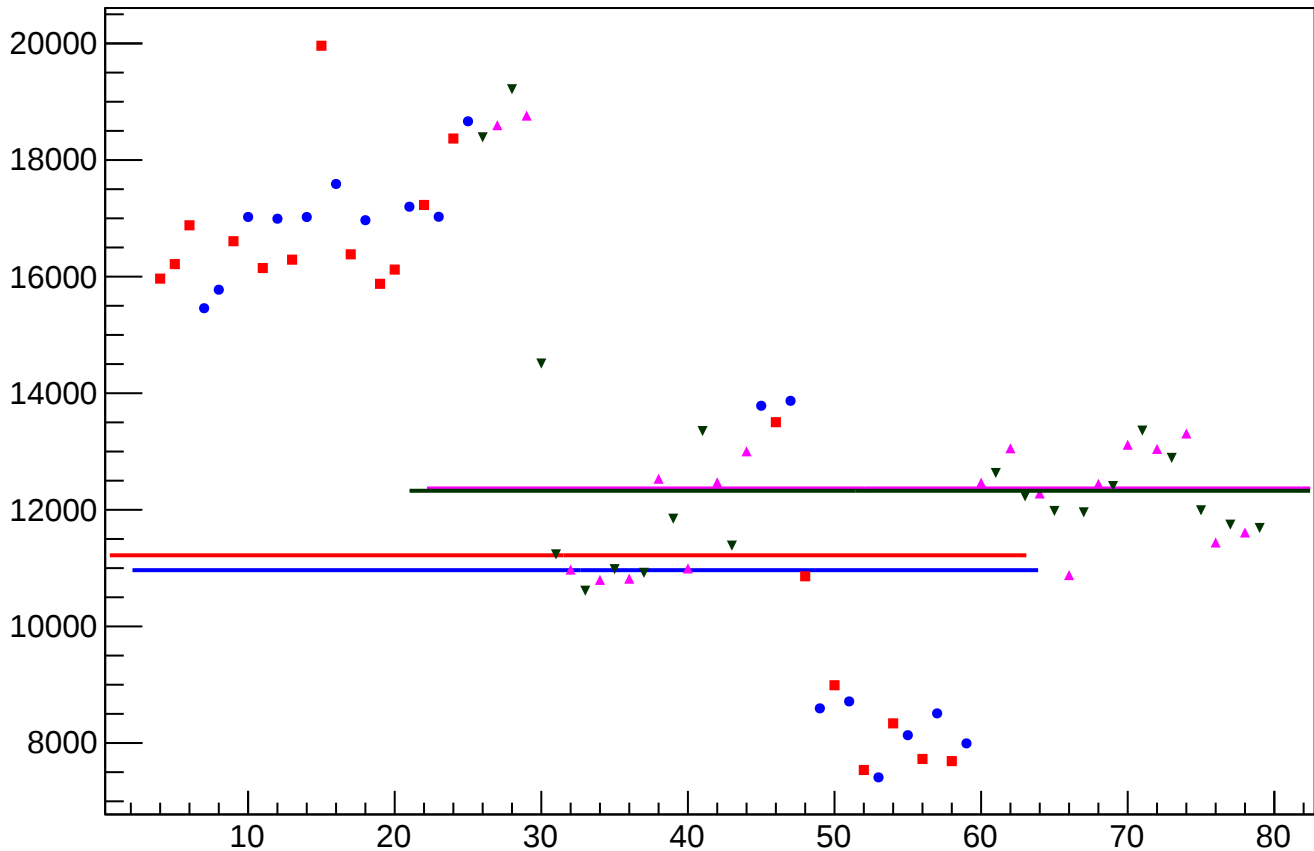
Right Out: -13.450+/-3.783 χ^2/NDF : 27.5/18

Left In: 6.535+/-3.825 χ^2/NDF : 39.2/18

-0.787+/-2.581 χ^2/NDF : 248.7/37

-3.567+/-2.690 χ^2/NDF : 80.5/37

diff_bpm0l08X_rms vs slug



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

Left Out: 12326.849+/-2.731 χ^2/NDF : 420871.7/19

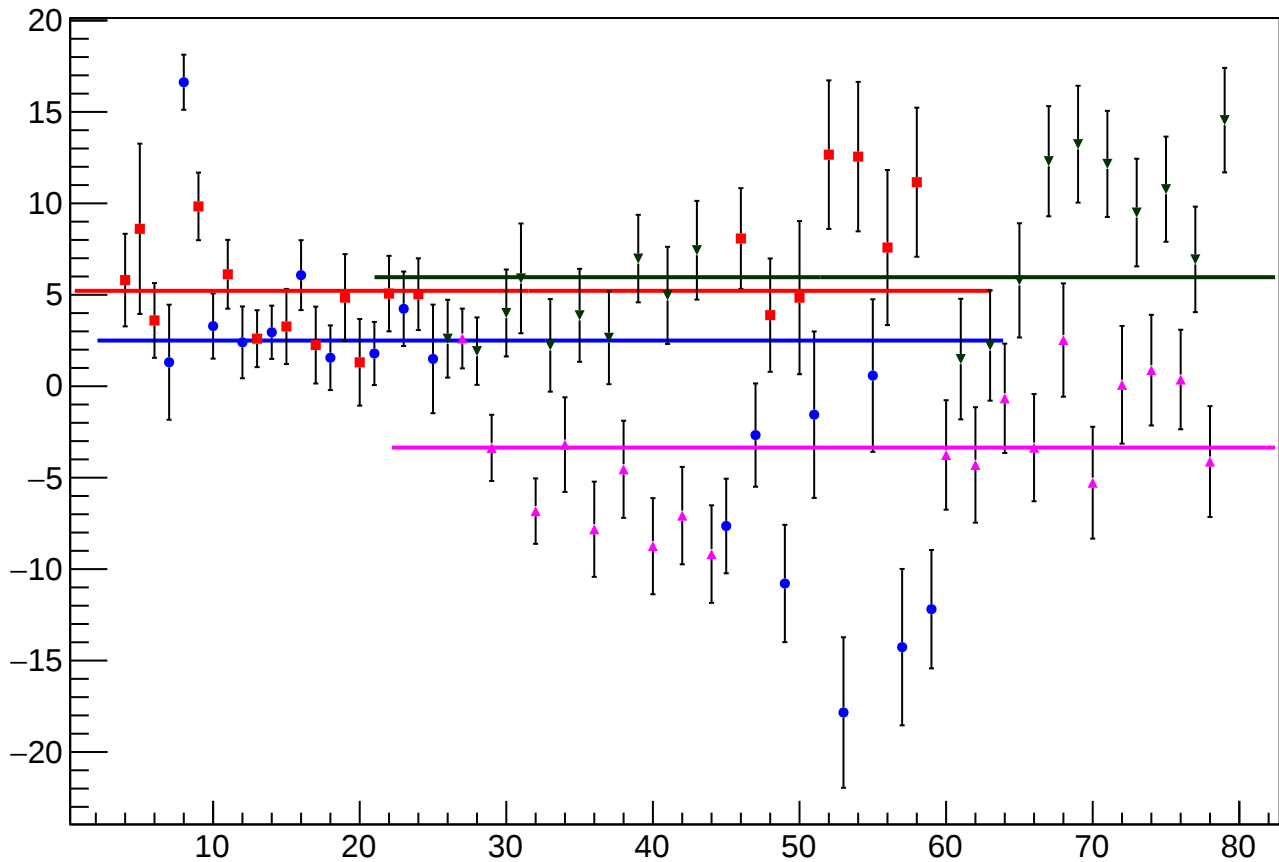
Right Out: 11219.959+/-2.675 χ^2/NDF : 2343952.2/18

Left In: 12366.571+/-2.704 χ^2/NDF : 521671.0/18

11573.233+/-1.825 χ^2/NDF : 3109384.0/37

11787.024+/-1.902 χ^2/NDF : 2956480.7/37

diff_bpm0l08Y_mean vs slug



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

Left Out: 5.963 ± 0.594 χ^2/NDF : 44.1/19

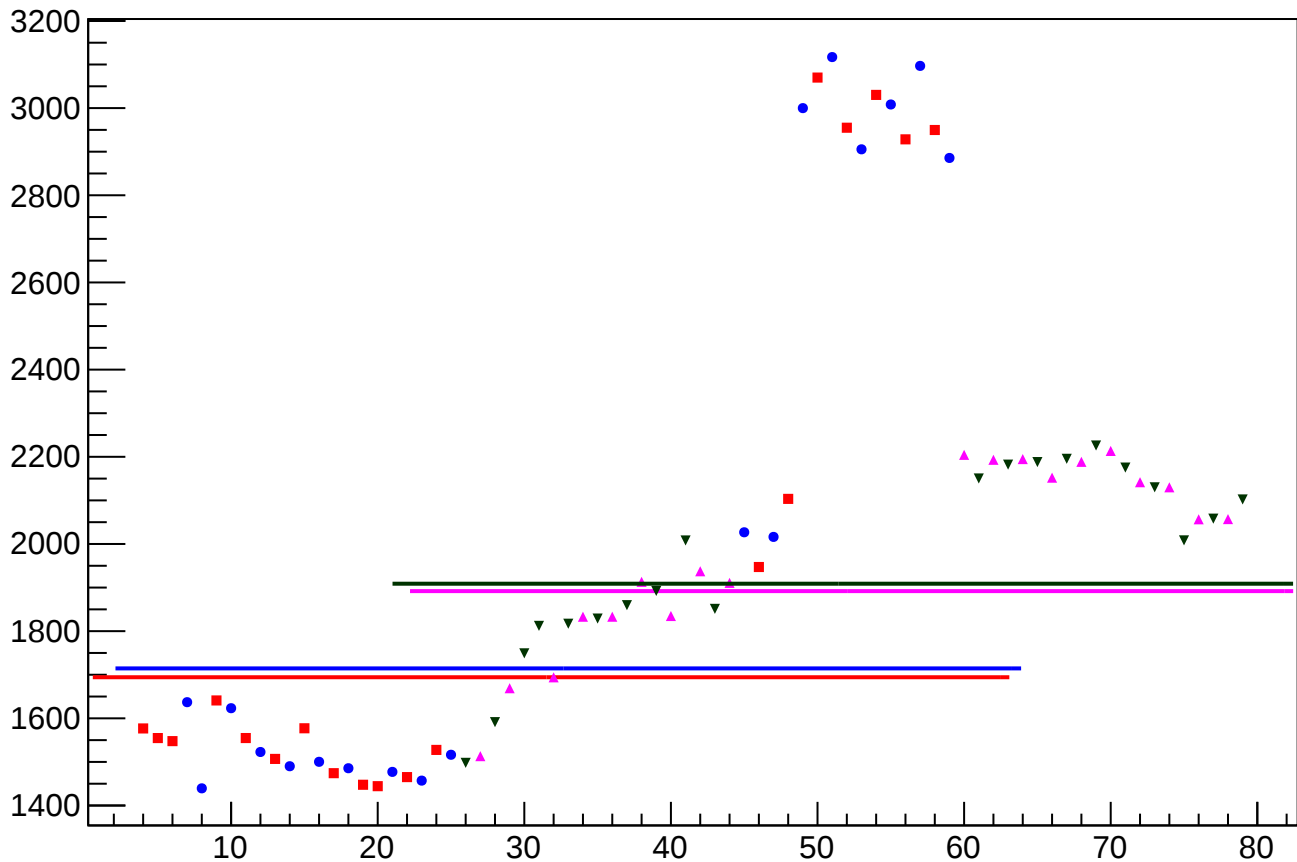
Right Out: 5.218 ± 0.553 χ^2/NDF : 26.5/18

Left In: -3.354 ± 0.581 χ^2/NDF : 41.1/18

4.035 ± 0.396 χ^2/NDF : 253.4/37

1.149 ± 0.401 χ^2/NDF : 181.7/37

diff_bpm0l08Y_rms vs slug



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

Left Out: 1908.851+/-0.420 χ^2/NDF : 280180.6/19

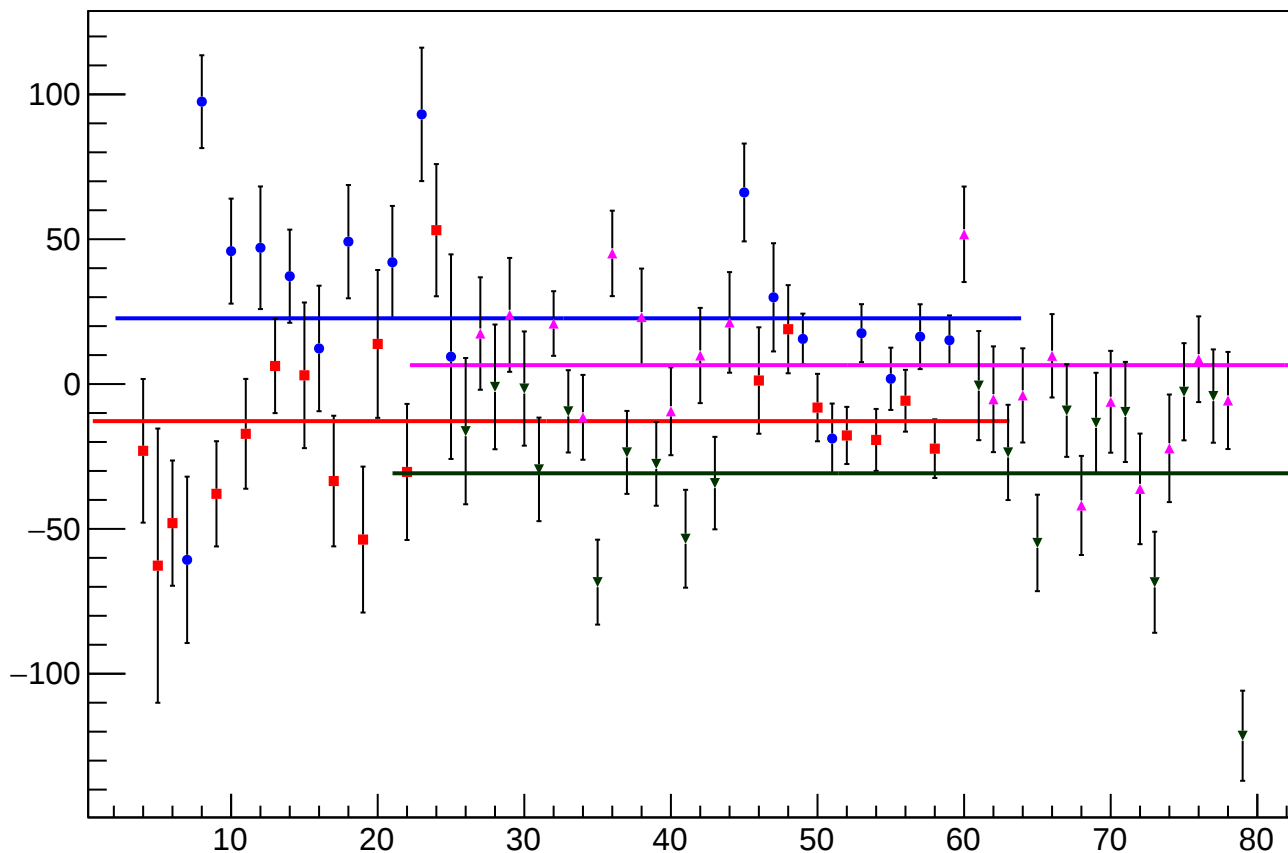
Right Out: 1694.263+/-0.391 χ^2/NDF : 1202765.8/18

Left In: 1891.853+/-0.411 χ^2/NDF : 320355.4/18

1800.702+/-0.280 χ^2/NDF : 2070037.9/37

1788.061+/-0.283 χ^2/NDF : 1644423.4/37

diff_bpm0l09X_mean vs slug



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

Left Out: -30.807 $\pm$ 3.735 χ^2 /NDF: 68.8/19

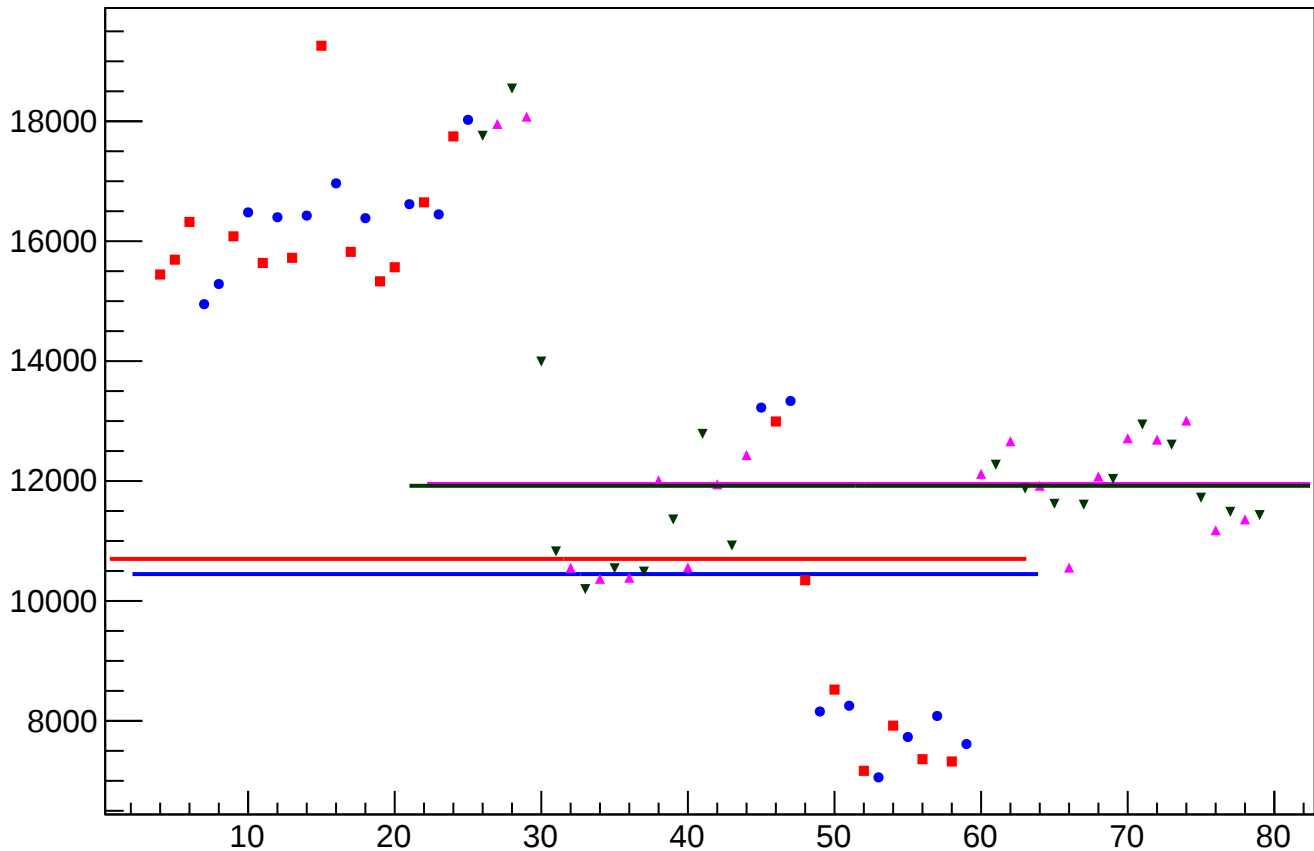
Right Out: -12.799 $\pm$ 3.618 χ^2 /NDF: 28.2/18

Left In: 6.523 $\pm$ 3.696 χ^2 /NDF: 38.8/18

-0.880 $\pm$ 2.479 χ^2 /NDF: 254.5/37

-3.344 $\pm$ 2.586 χ^2 /NDF: 80.9/37

diff_bpm0l09X_rms vs slug



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

Left Out: 11920.482+/-2.641 χ^2/NDF : 424994.2/19

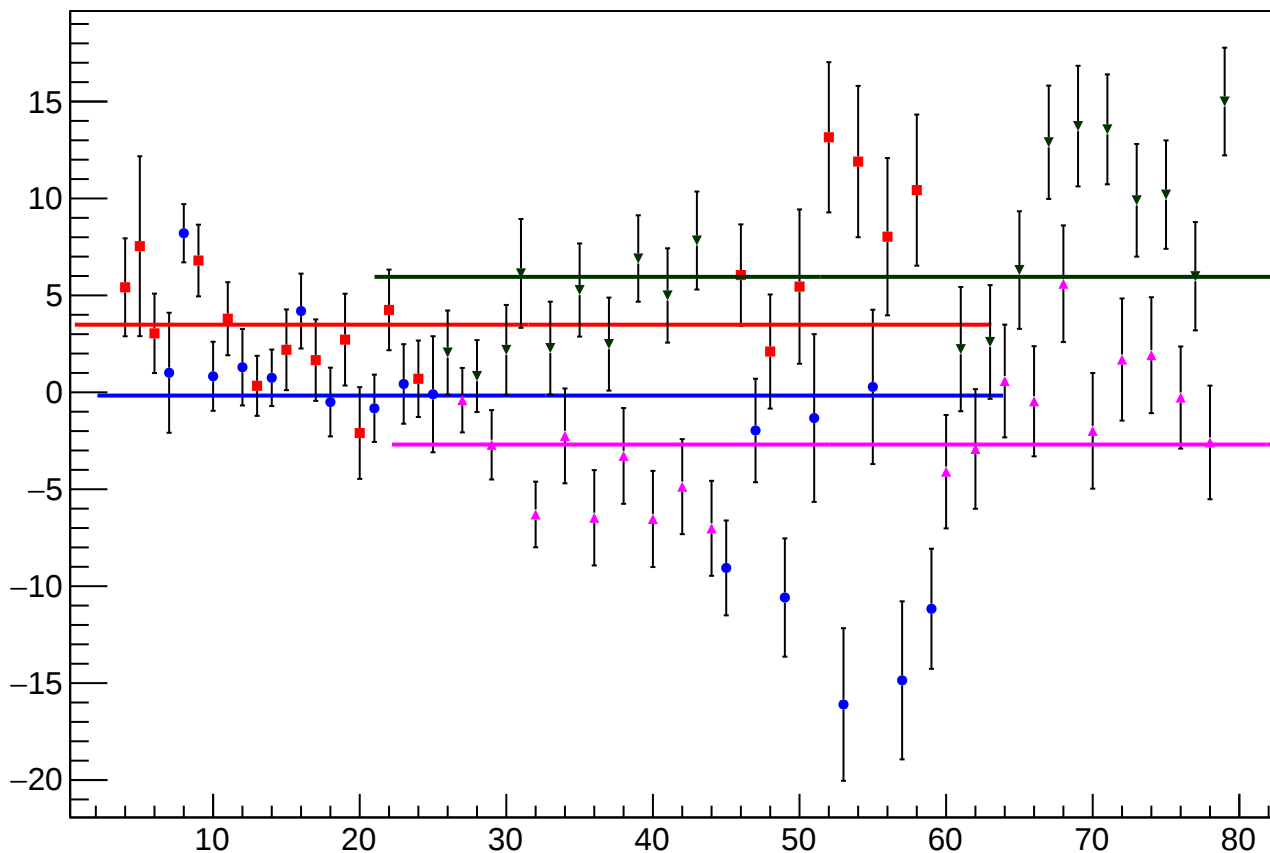
11096.971+/-1.753 χ^2/NDF : 3253515.1/37

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

11313.054+/-1.828 χ^2/NDF : 3079890.4/37

Left In: 11951.328+/-2.614 χ^2/NDF : 524613.6/18

diff_bpm0l09Y_mean vs slug



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

Left Out: 5.956 ± 0.574 χ^2/NDF : 55.4/19

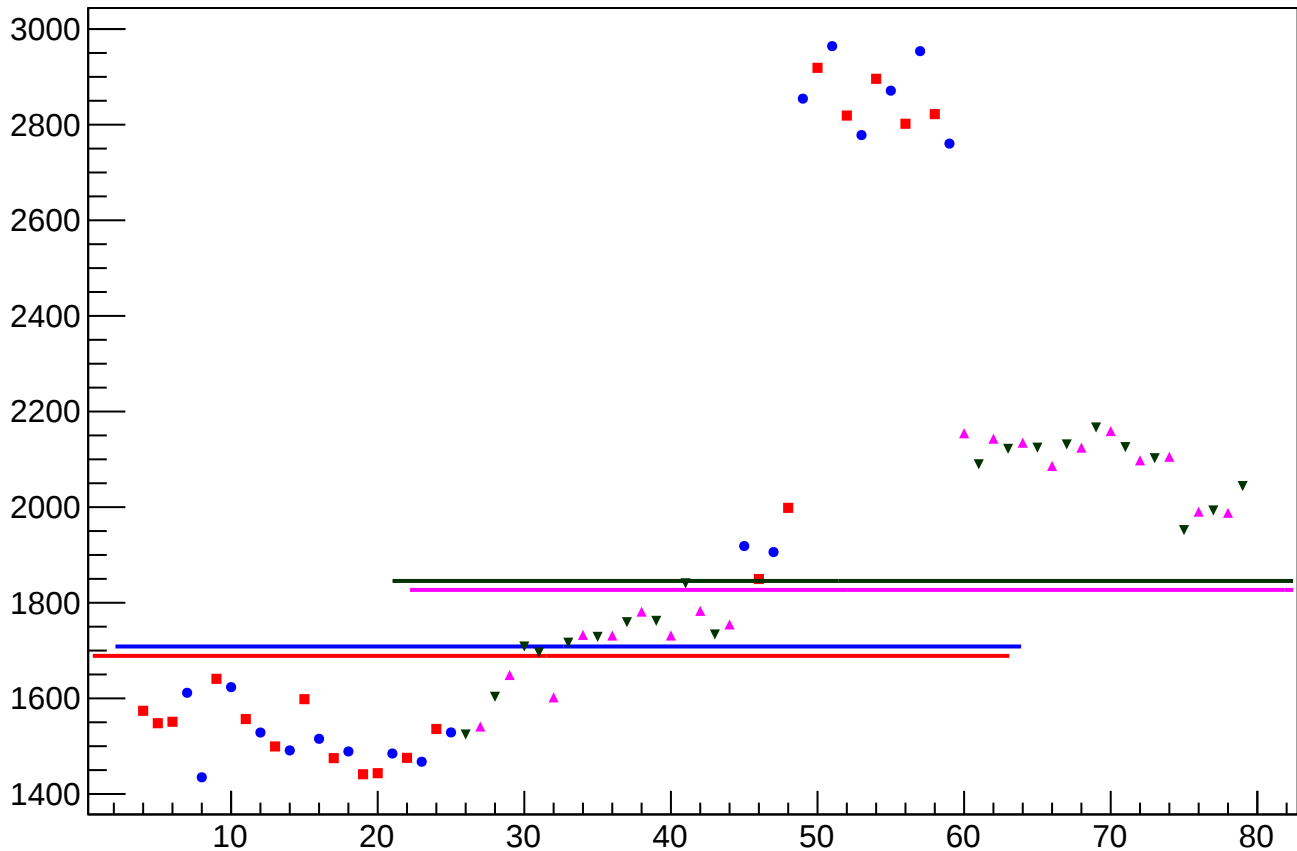
Right Out: 3.490 ± 0.549 χ^2/NDF : 34.4/18

Left In: -2.692 ± 0.561 χ^2/NDF : 30.1/18

2.627 ± 0.388 χ^2/NDF : 222.5/37

0.467 ± 0.392 χ^2/NDF : 126.6/37

diff_bpm0l09Y_rms vs slug



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

Left Out: 1845.644+/-0.406 χ^2/NDF : 250990.7/19

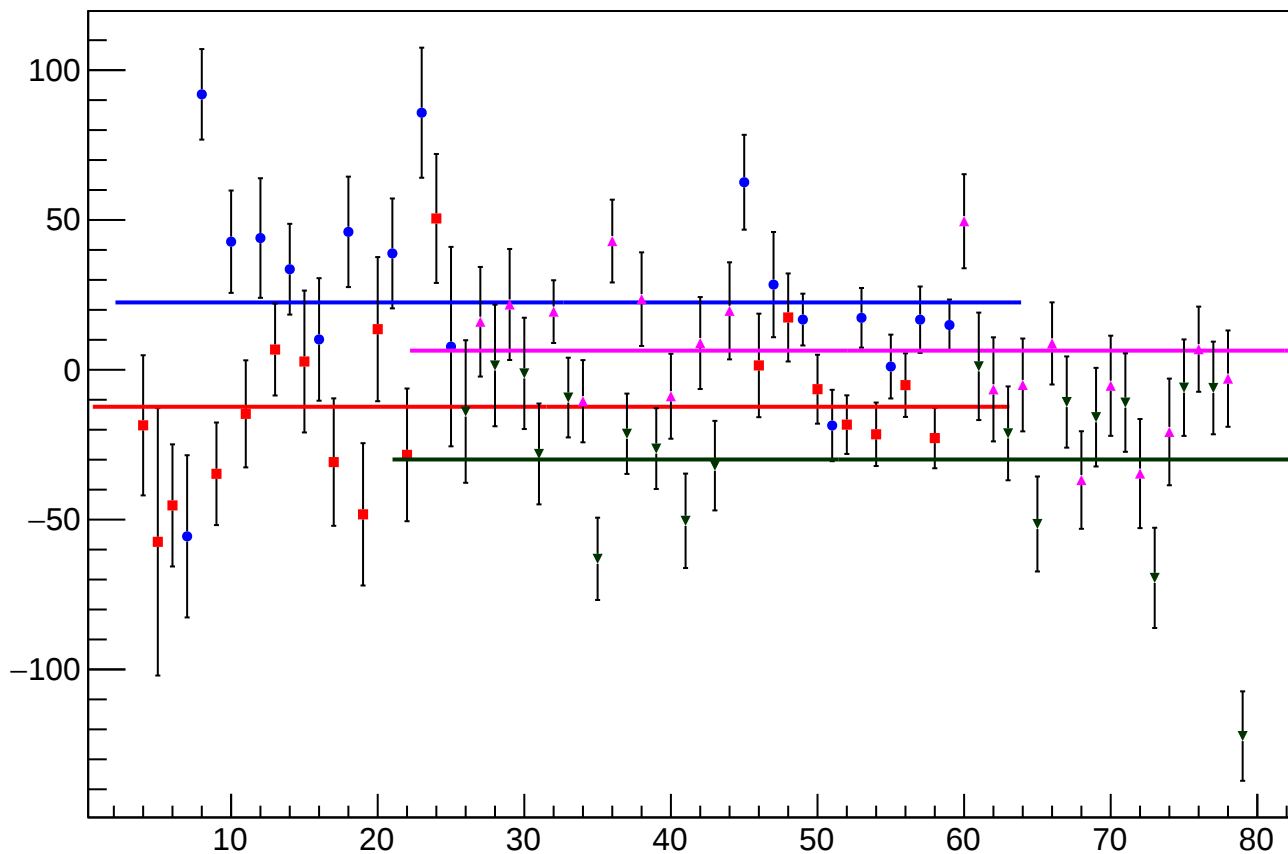
1771.111+/-0.274 χ^2/NDF : 1777629.0/37

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

1756.374+/-0.277 χ^2/NDF : 1421975.7/37

Left In: 1826.912+/-0.397 χ^2/NDF : 301538.0/18

diff_bpm0l10X_mean vs slug



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

Left Out: -29.933 ± 3.533 $\chi^2/\text{NDF}: 72.9/19$

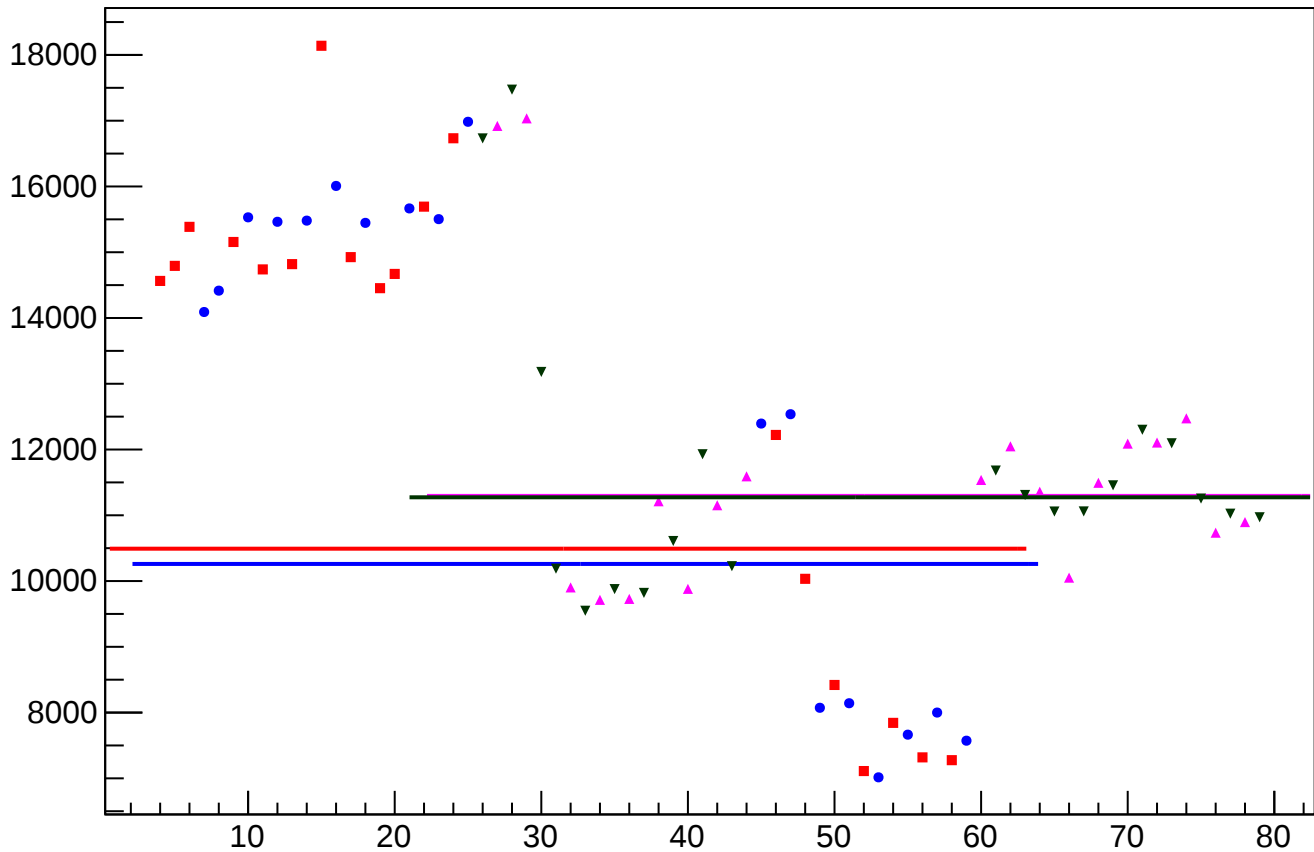
Right Out: -12.340 ± 3.516 $\chi^2/\text{NDF}: 28.3/18$

Left In: 6.393 ± 3.494 $\chi^2/\text{NDF}: 38.1/18$

-1.370 ± 2.383 $\chi^2/\text{NDF}: 261.2/37$

-2.913 ± 2.478 $\chi^2/\text{NDF}: 80.7/37$

diff_bpm0l10X_rms vs slug



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

Left Out: 11273.512 $\pm$ 2.498 χ^2 /NDF: 433432.0/19

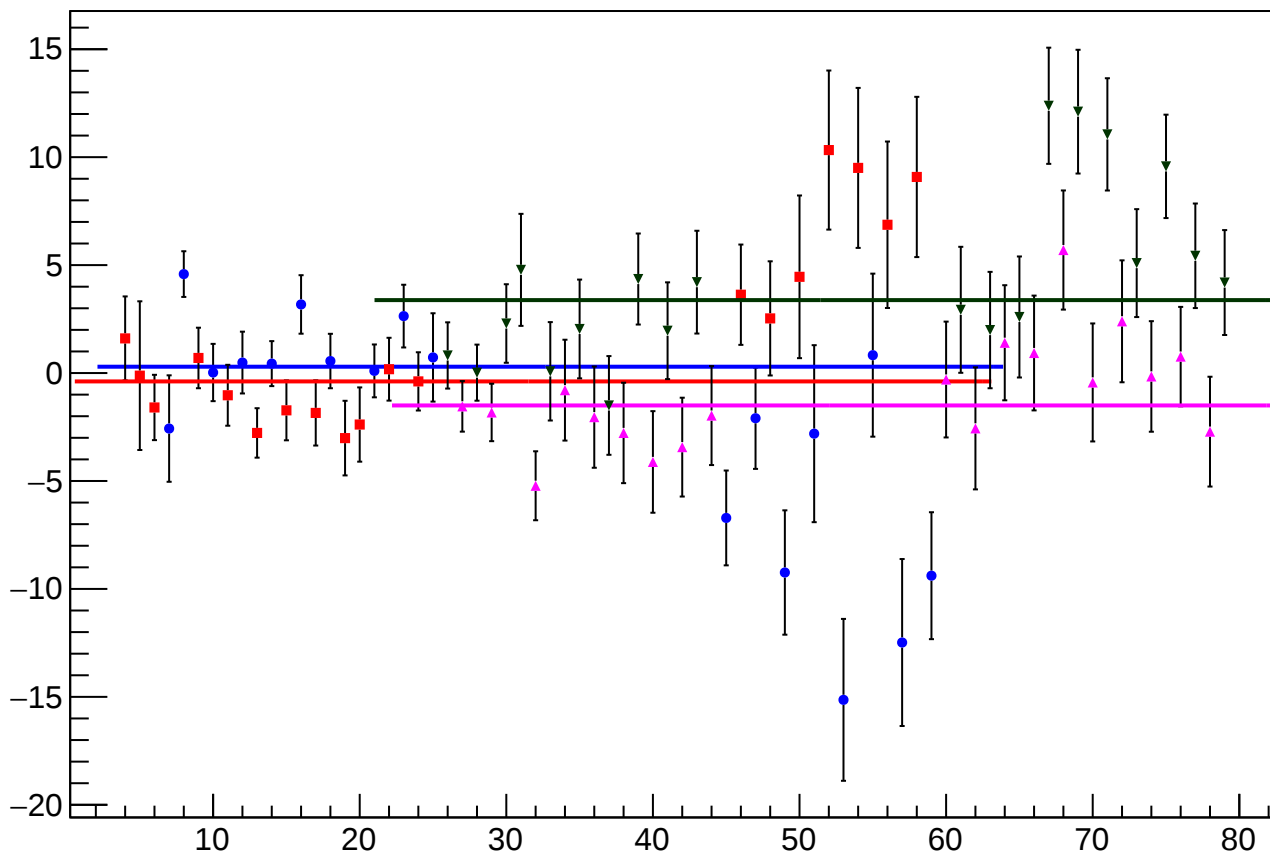
10721.259 $\pm$ 1.685 χ^2 /NDF: 2843126.5/37

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

10896.031 $\pm$ 1.753 χ^2 /NDF: 2723520.7/37

Left In: 11294.777 $\pm$ 2.470 χ^2 /NDF: 532212.0/18

diff_bpm0l10Y_mean vs slug



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

Left Out: 3.379 ± 0.493 χ^2/NDF : 55.4/19

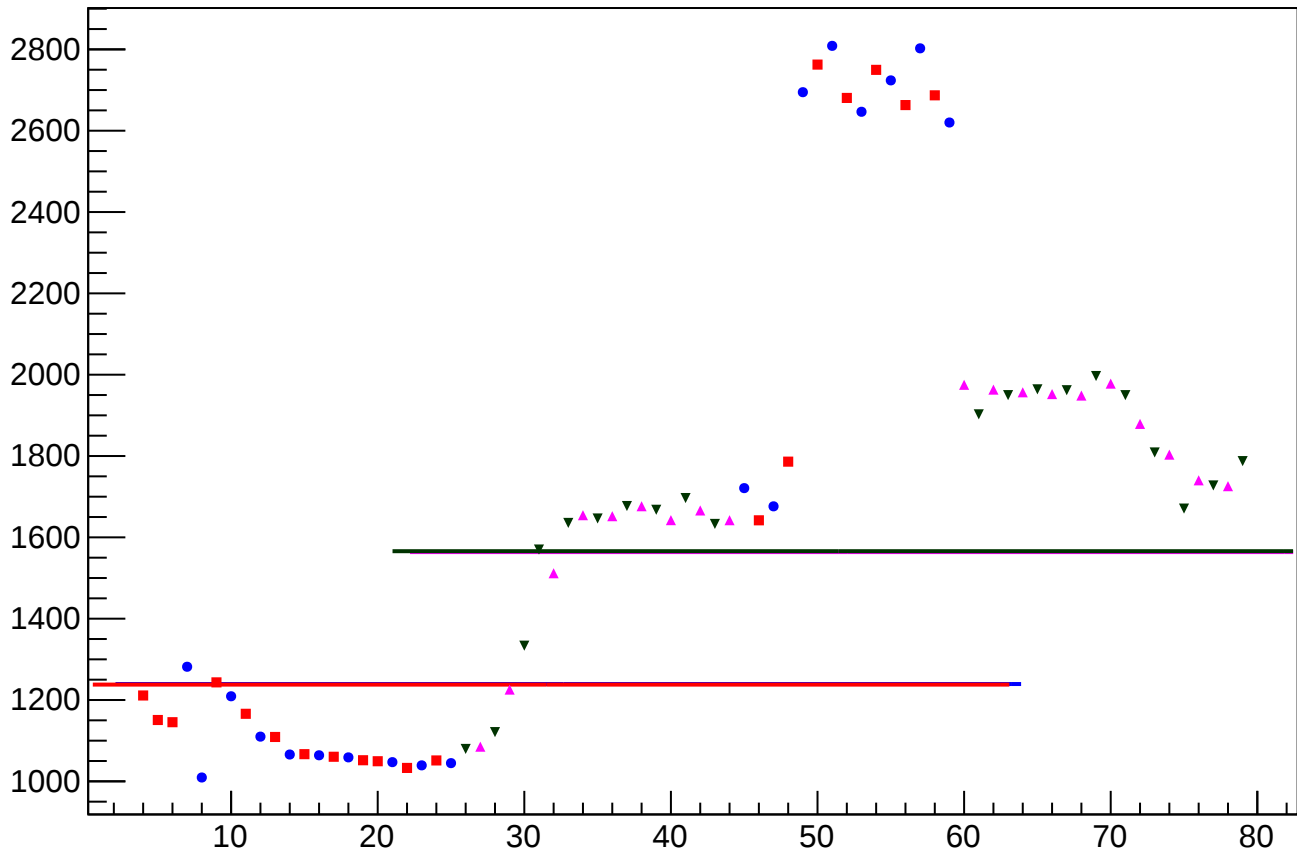
Right Out: -0.388 ± 0.412 χ^2/NDF : 44.0/18

Left In: -1.501 ± 0.486 χ^2/NDF : 20.6/18

1.490 ± 0.307 χ^2/NDF : 165.9/37

-0.853 ± 0.314 χ^2/NDF : 67.7/37

diff_bpm0l10Y_rms vs slug



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

Left Out: 1565.938+/-0.349 χ^2/NDF : 778147.0/19

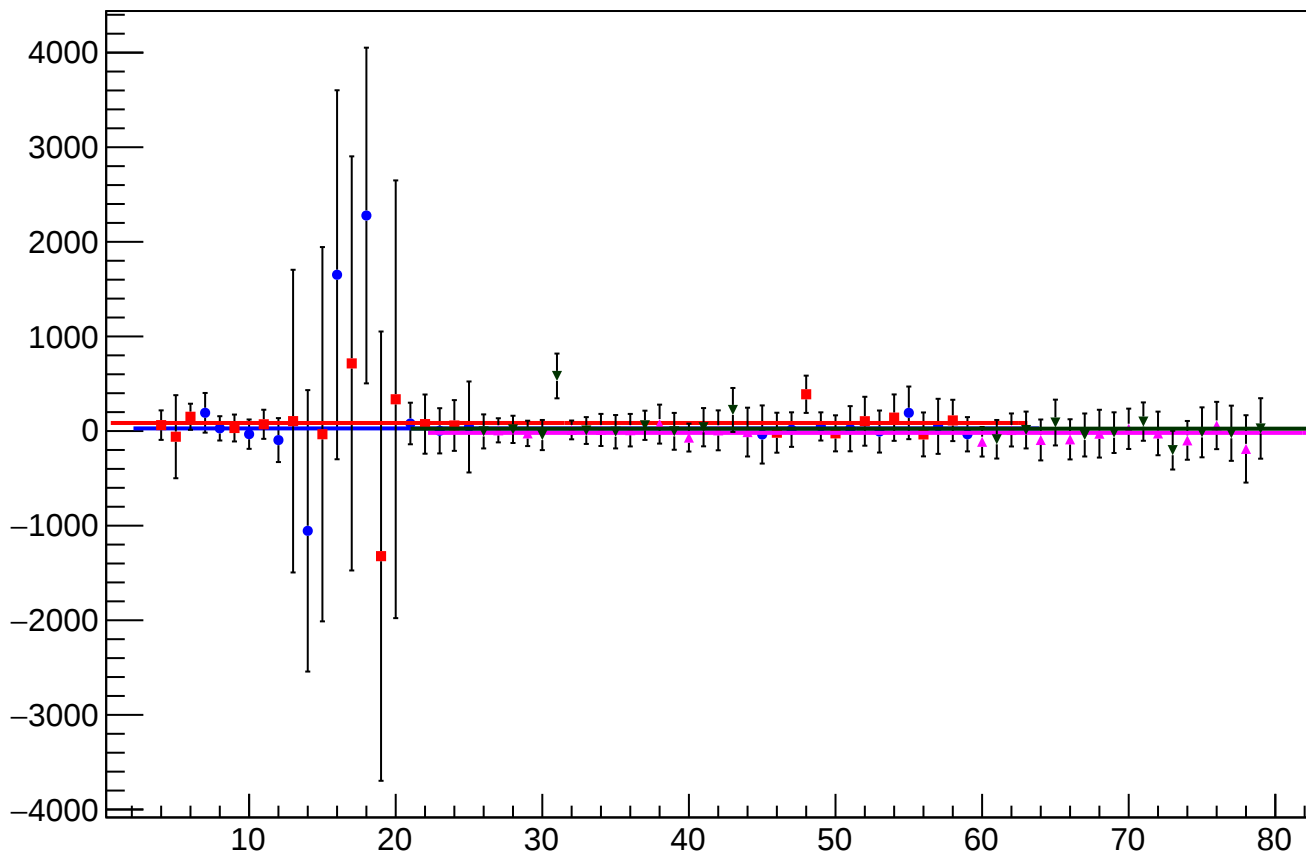
Right Out: 1237.907+/-0.291 χ^2/NDF : 1914347.8/18

Left In: 1563.737+/-0.344 χ^2/NDF : 804531.4/18

1366.018+/-0.217 χ^2/NDF : 3990324.5/37

1374.021+/-0.222 χ^2/NDF : 3241846.2/37

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: 25.144+/-43.768 χ^2/NDF : 8.5/19

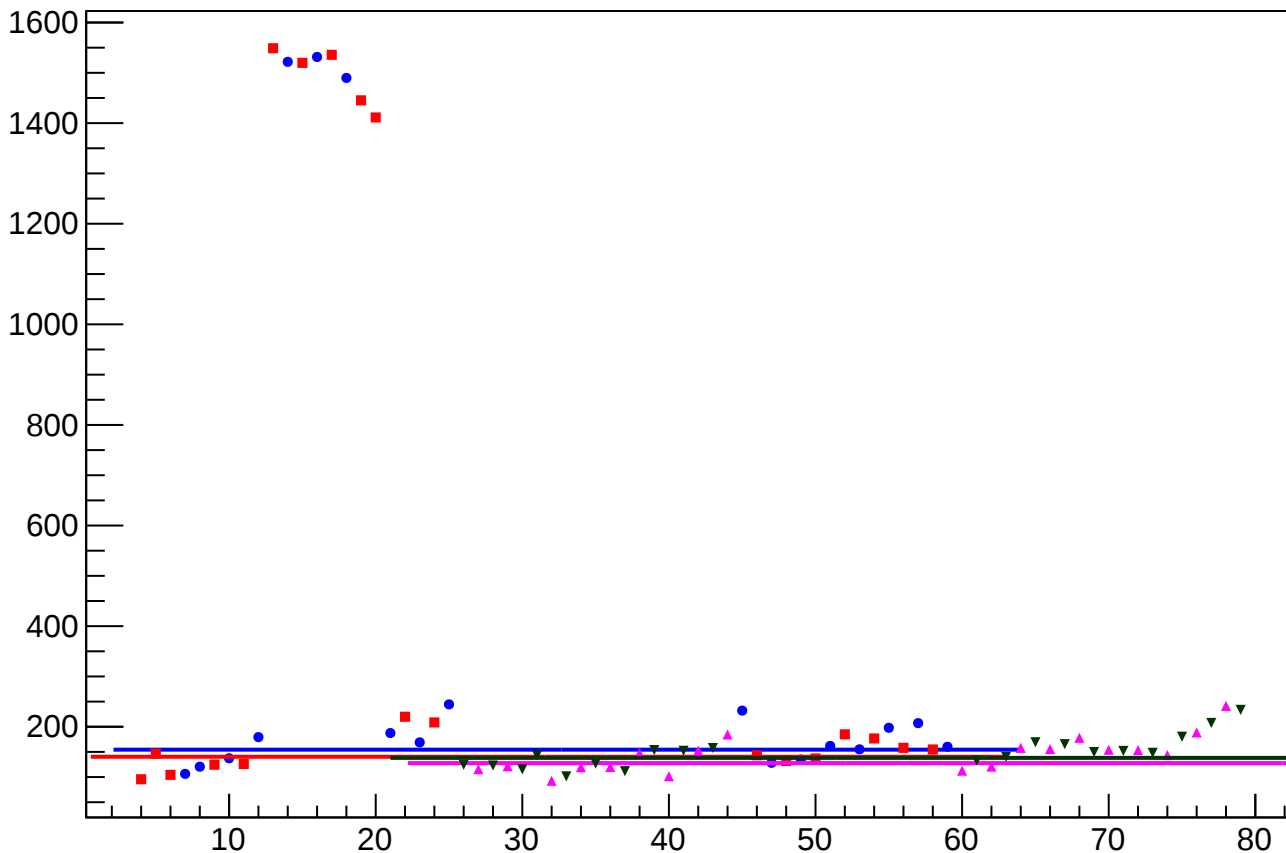
Right Out: 85.325+/-52.506 χ^2/NDF : 4.3/18

Left In: -19.336+/-40.300 χ^2/NDF : 1.7/18

26.269+/-33.564 χ^2/NDF : 13.0/37

19.463+/-31.969 χ^2/NDF : 8.4/37

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: 138.146 $\pm$ 0.031 χ^2 /NDF: 739199.8/19

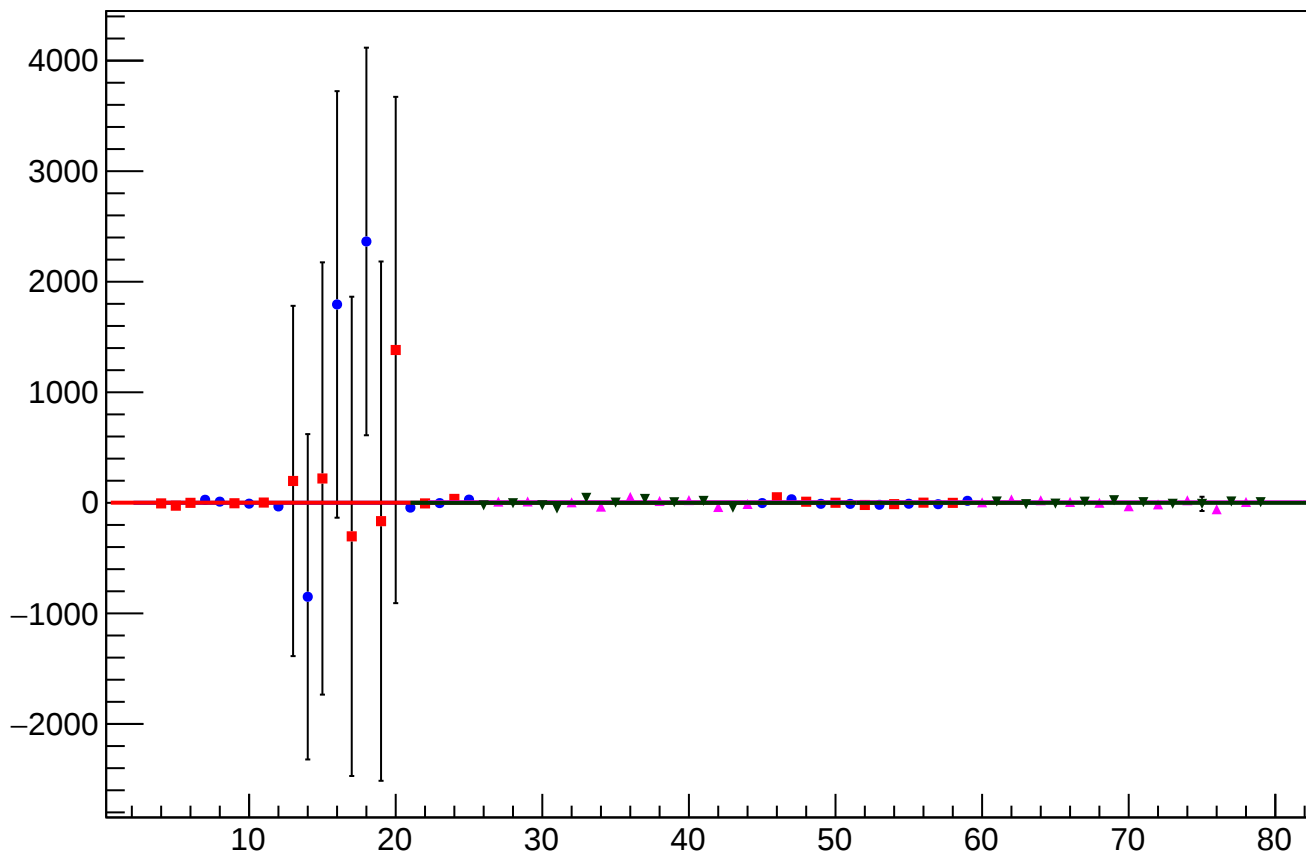
144.863 $\pm$ 0.024 χ^2 /NDF: 5410283.4/37

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

132.452 $\pm$ 0.023 χ^2 /NDF: 6398998.3/37

Left In: 127.802 $\pm$ 0.028 χ^2 /NDF: 1053110.5/18

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs slug



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

Left Out: 0.087+/-5.342 χ^2/NDF : 16.7/19

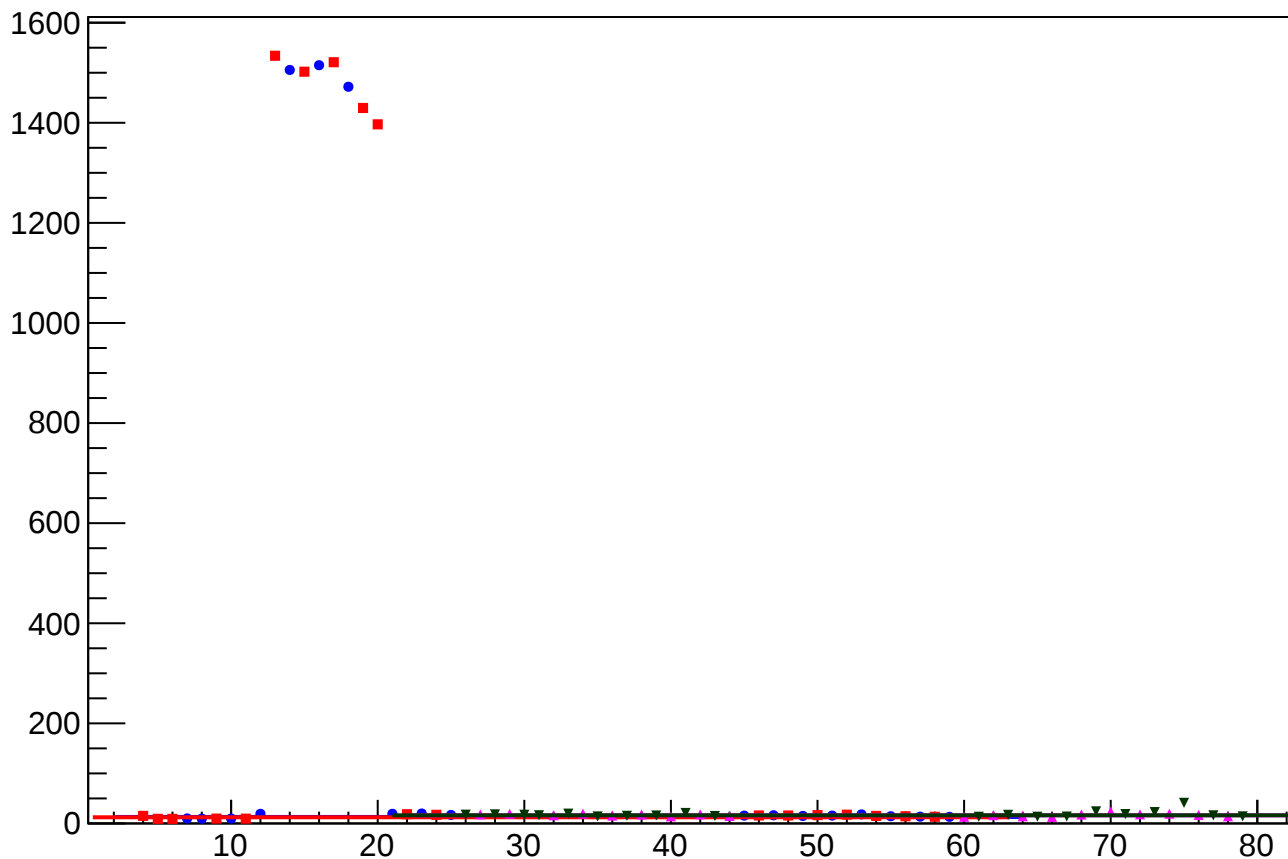
Right Out: 1.382+/-4.789 χ^2/NDF : 9.5/18

Left In: 5.212+/-5.222 χ^2/NDF : 20.9/18

0.370+/-3.492 χ^2/NDF : 33.3/37

3.132+/-3.529 χ^2/NDF : 30.6/37

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: 16.280 $\pm$ 0.004 χ^2 /NDF: 751105.5/19

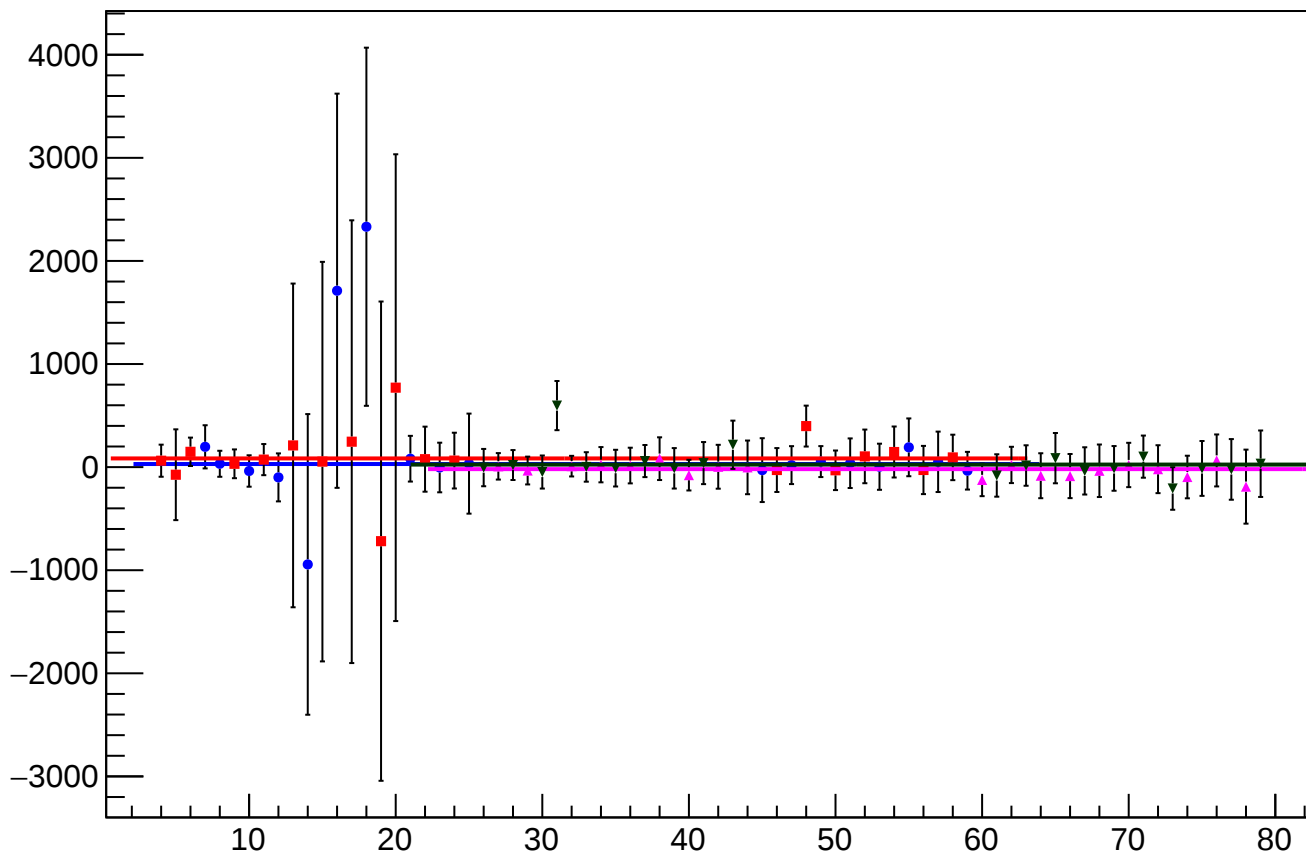
Right Out: 12.312 $\pm$ 0.003 χ^2 /NDF: 6373010.7/18

Left In: 16.313 $\pm$ 0.004 χ^2 /NDF: 398171.5/18

14.409 $\pm$ 0.002 χ^2 /NDF: 6875152.1/37

14.140 $\pm$ 0.002 χ^2 /NDF: 7409049.6/37

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs slug



Right In: 30.011 $\pm$ 52.267 χ^2 /NDF: 4.7/17

Left Out: 24.733 $\pm$ 44.116 χ^2 /NDF:8.7/19

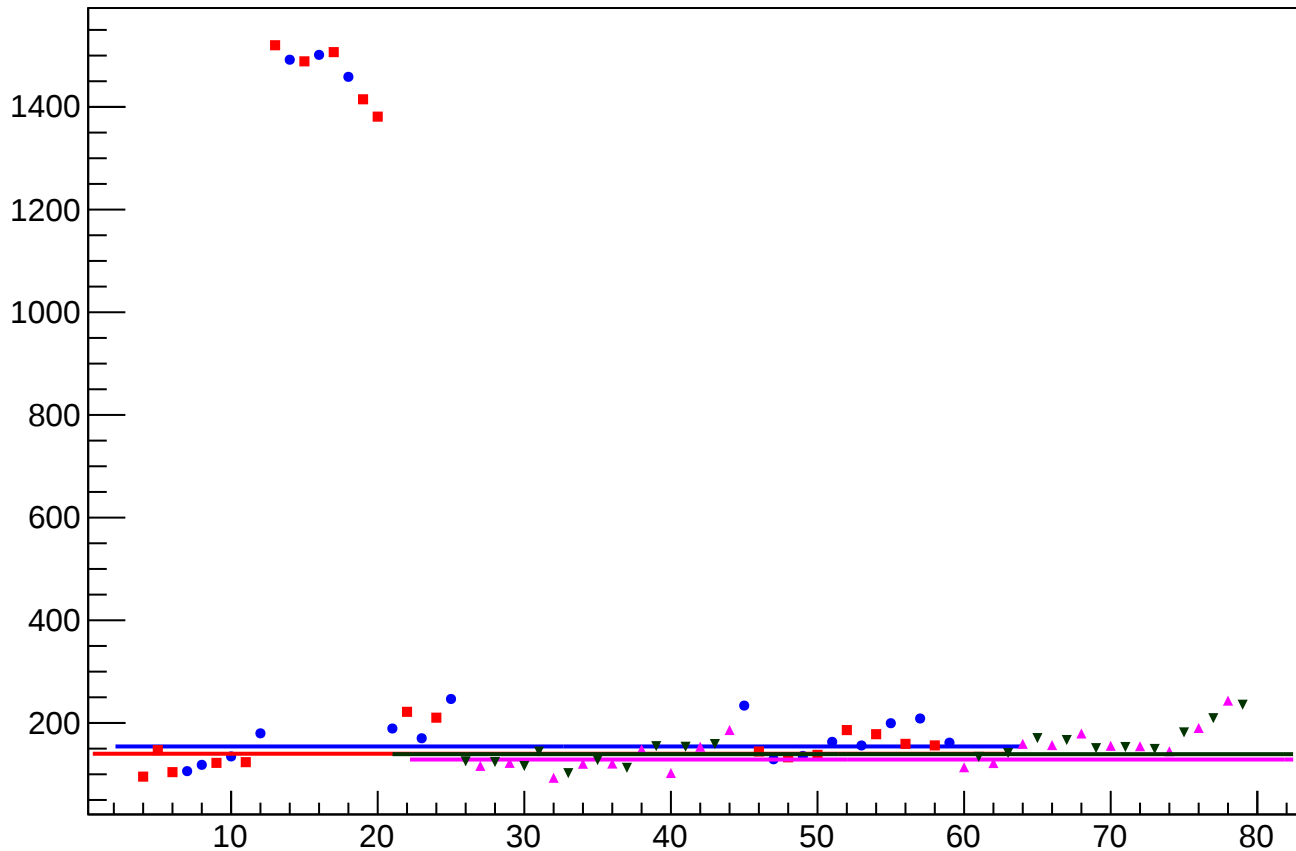
Right Out: 84.316 $\pm$ 52.424 χ^2 /NDF: 4.2/18

Left In: -19.430 $\pm$ 40.607 χ^2 /NDF:1.8/18

26.929 $\pm$ 33.713 χ^2 /NDF: 13.4/37

19.474 $\pm$ 32.103 χ^2 /NDF: 8.5/37

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs slug



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

Left Out: 139.239 $\pm$ 0.031 χ^2 /NDF: 740342.4/19

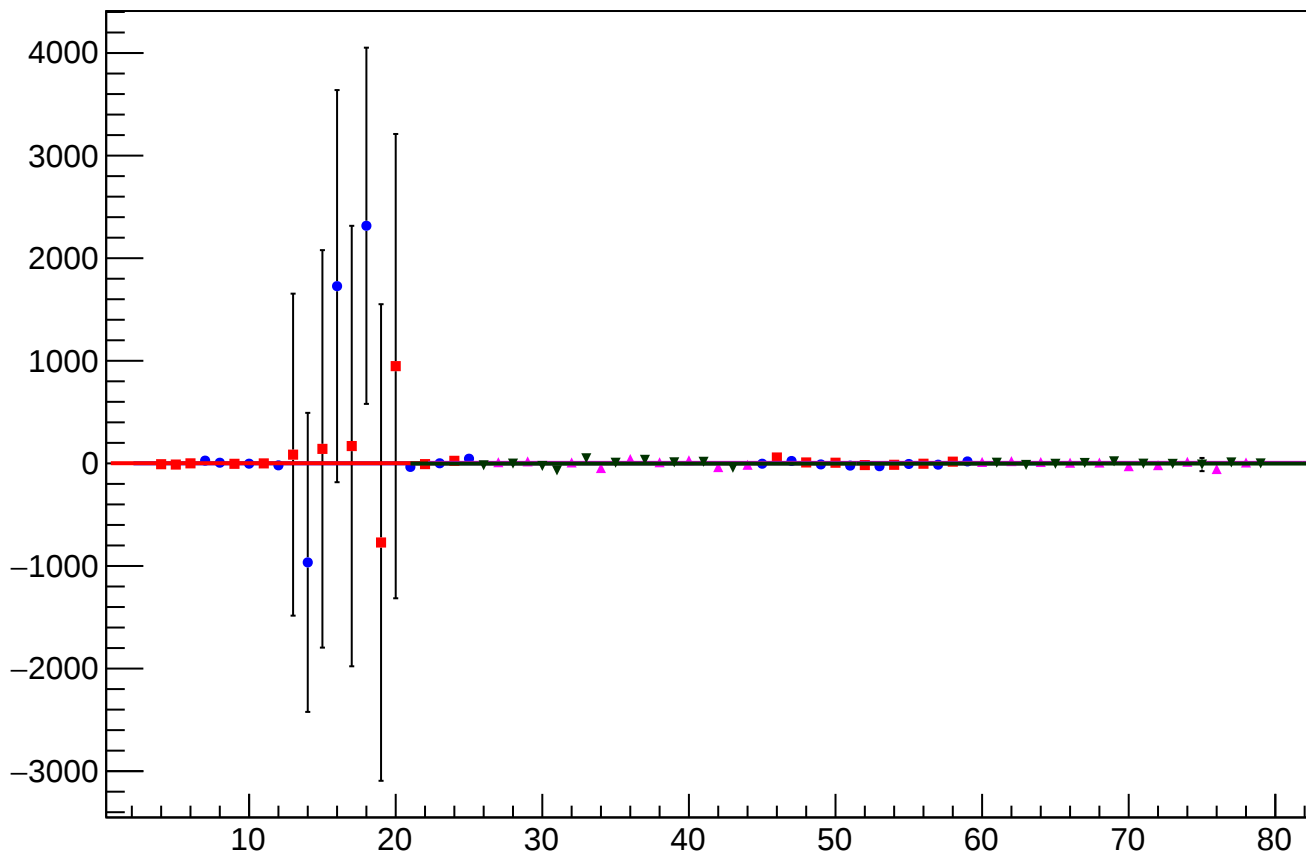
145.478 $\pm$ 0.024 χ^2 /NDF: 5421333.0/37

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

132.996 $\pm$ 0.023 χ^2 /NDF: 6403965.8/37

Left In: 128.763 $\pm$ 0.029 χ^2 /NDF: 1056109.4/18

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: -1.437 $\pm$ 5.227 χ^2 /NDF:19.4/19

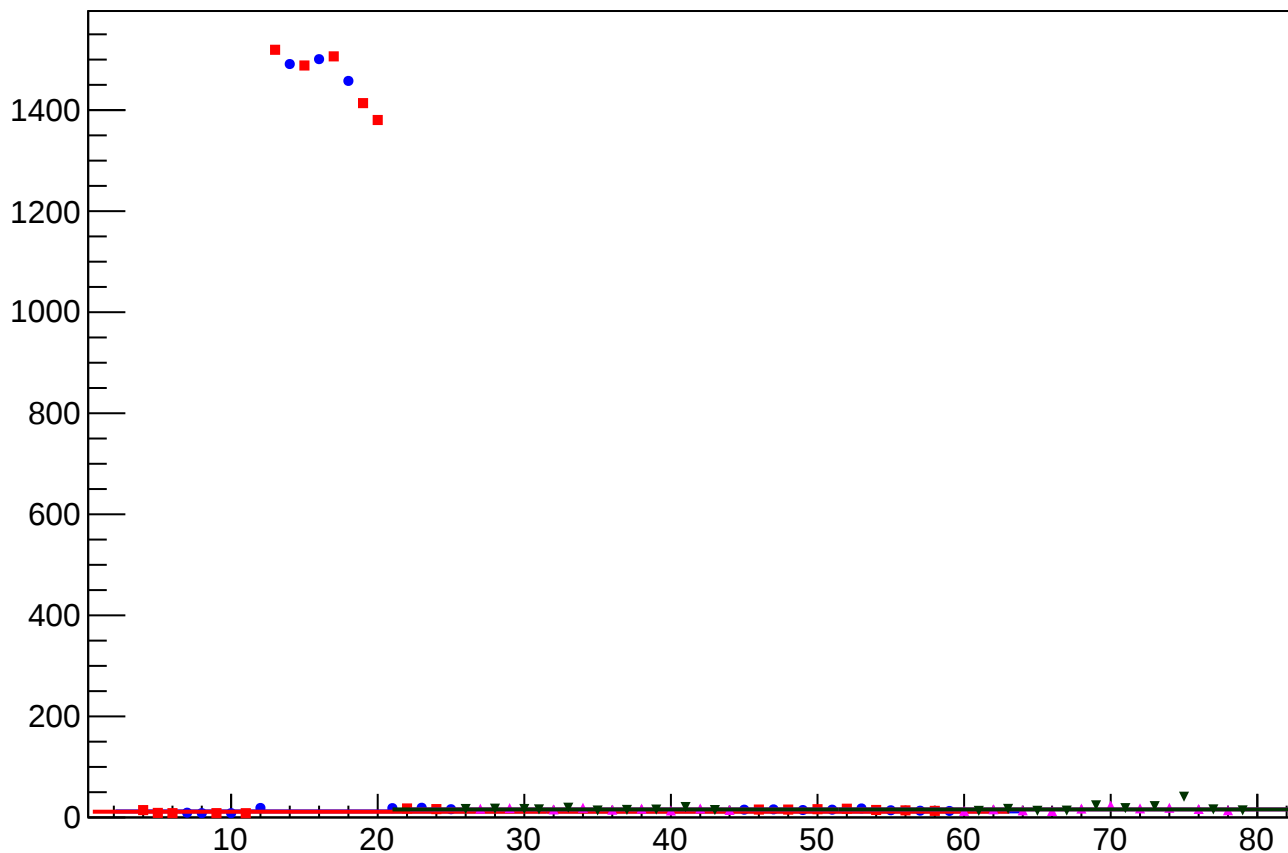
Right Out: 1.782 $\pm$ 4.470 χ^2 /NDF: 10.1/18

Left In: 5.176 $\pm$ 5.110 χ^2 /NDF:20.1/18

-0.195 $\pm$ 3.328 χ^2 /NDF: 35.5/37

3.253 $\pm$ 3.365 χ^2 /NDF: 30.5/37

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: 15.901 $\pm$ 0.004 χ^2 /NDF: 757278.9/19

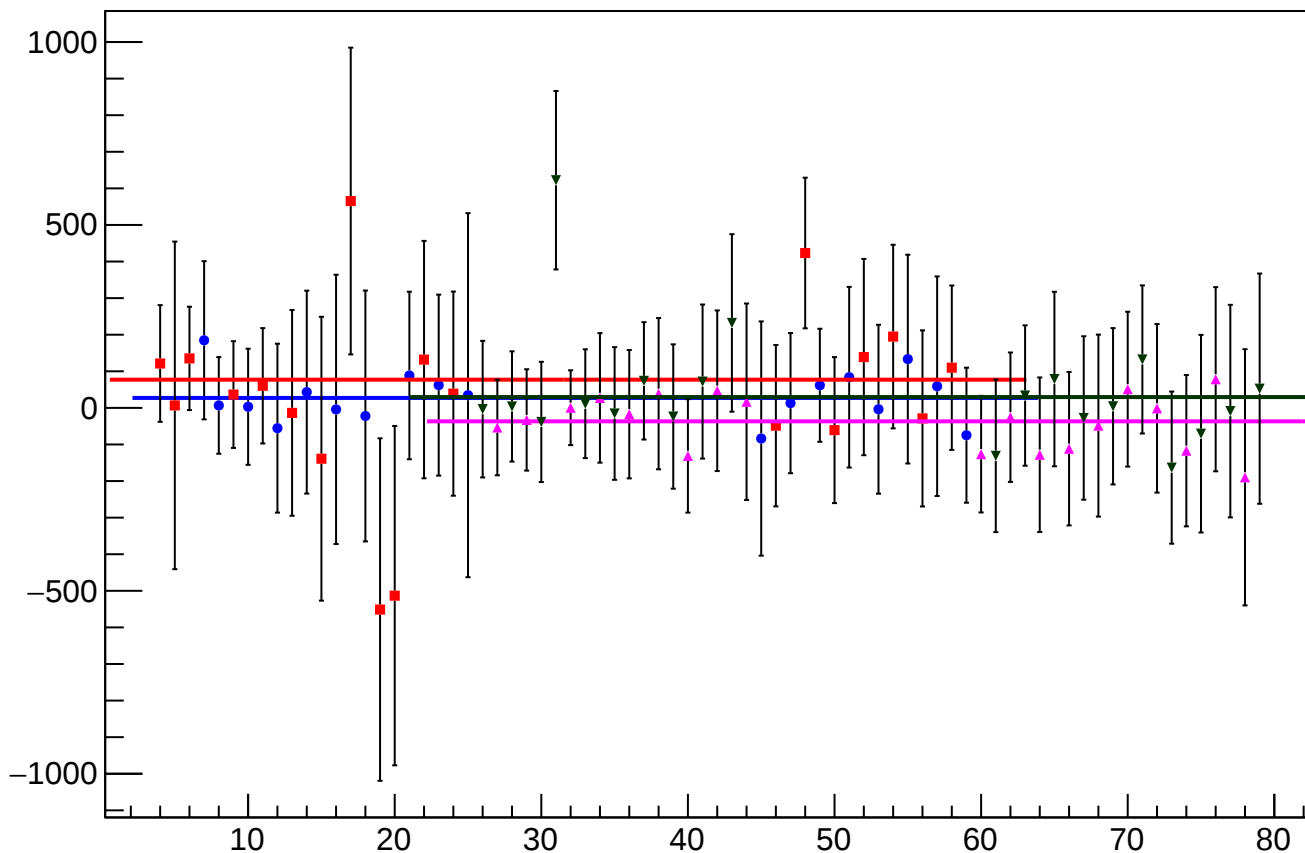
Right Out: 11.361 $\pm$ 0.003 χ^2 /NDF: 6645877.2/18

Left In: 15.939 $\pm$ 0.004 χ^2 /NDF: 394256.9/18

13.589 $\pm$ 0.002 χ^2 /NDF: 7476839.3/37

13.345 $\pm$ 0.002 χ^2 /NDF: 7949504.7/37

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs slug



Right In: 27.225 $\pm$ 51.816 χ^2 /NDF: 1.5/17

Left Out: 29.540 $\pm$ 44.755 χ^2 /NDF: 9.1/19

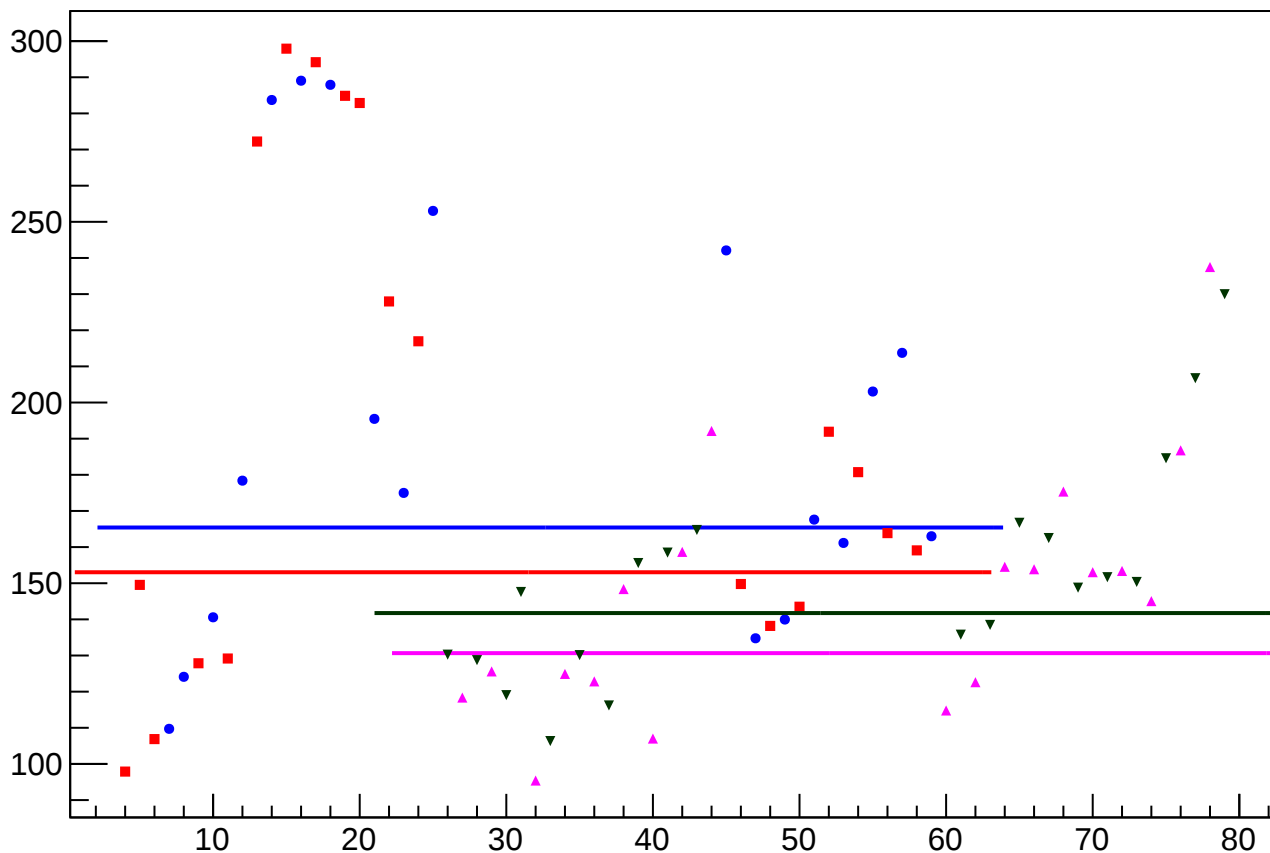
Right Out: 77.113 $\pm$ 51.687 χ^2 /NDF: 9.7/18

Left In: -36.769 $\pm$ 41.118 χ^2 /NDF: 2.4/18

28.551 $\pm$ 33.870 χ^2 /NDF: 10.6/37

7.369 $\pm$ 32.178 χ^2 /NDF: 15.1/37

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs slug



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

Left Out: 141.747 $\pm$ 0.032 χ^2 /NDF: 634371.1/19

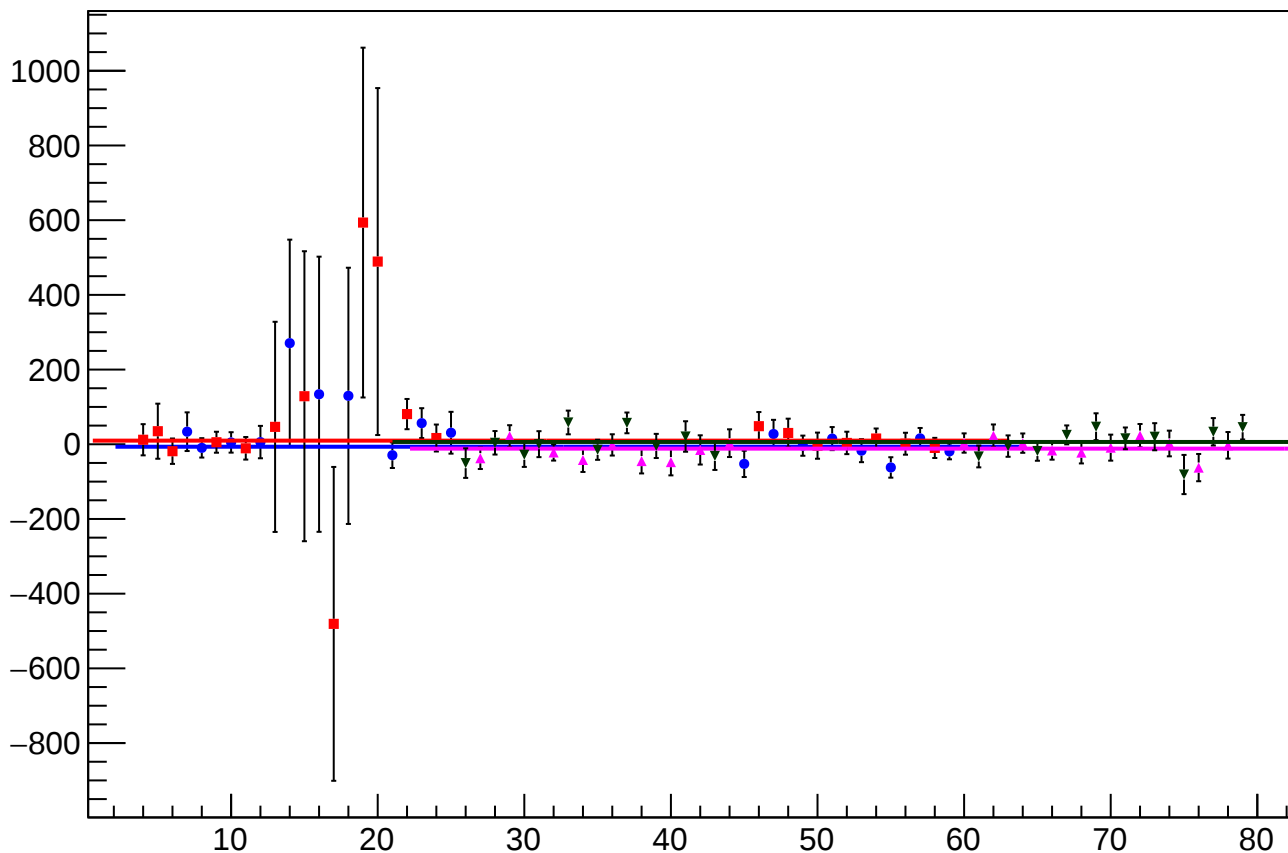
Right Out: 153.039 $\pm$ 0.037 χ^2 /NDF: 2037868.3/18

Left In: 130.656 $\pm$ 0.029 χ^2 /NDF: 938706.2/18

151.861 $\pm$ 0.024 χ^2 /NDF: 2509846.0/37

139.332 $\pm$ 0.023 χ^2 /NDF: 3206271.7/37

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: 6.198+/-7.159 χ^2/NDF : 20.7/19

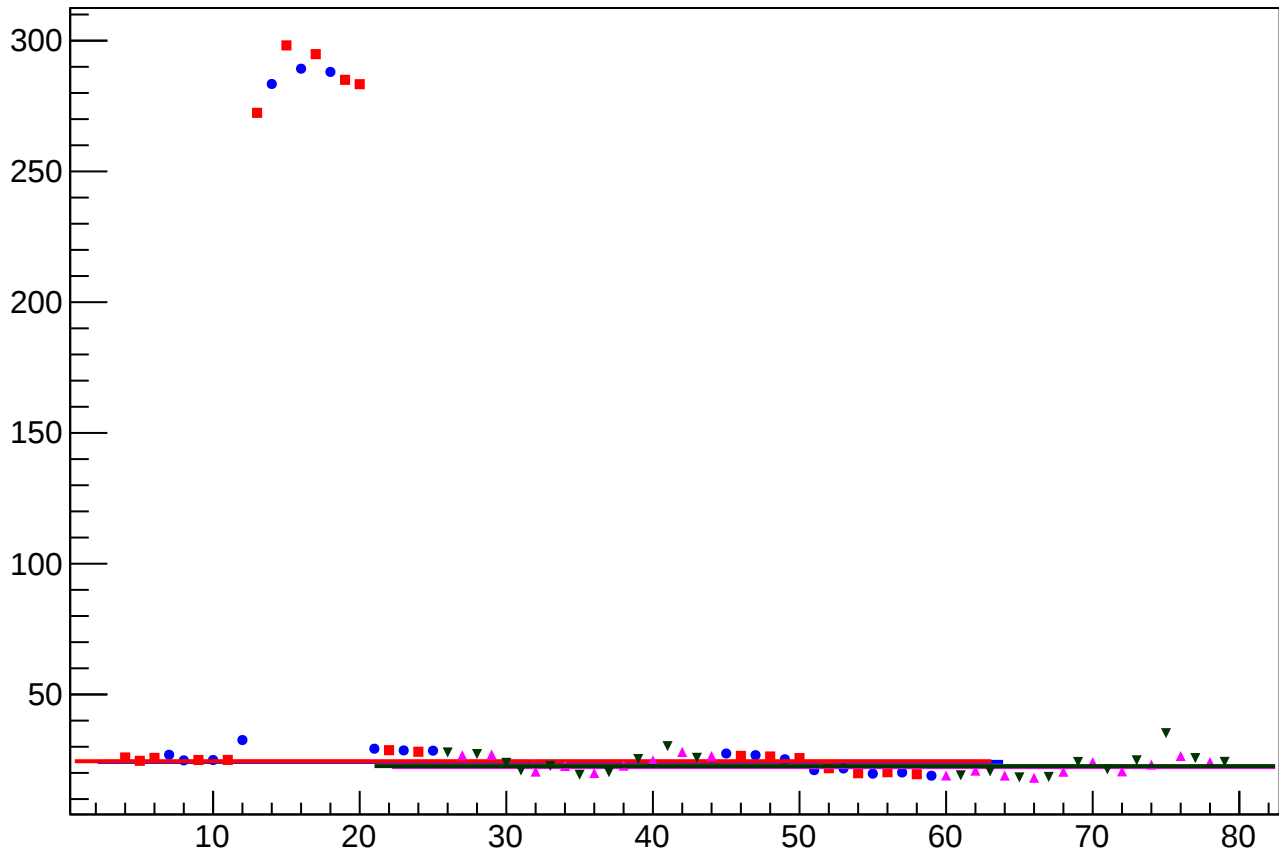
Right Out: 9.755+/-8.898 χ^2/NDF : 10.7/18

Left In: -11.701+/-6.924 χ^2/NDF : 11.0/18

0.572+/-5.354 χ^2/NDF : 35.9/37

-3.610+/-5.464 χ^2/NDF : 25.3/37

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs slug



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

23.317+/-0.004 χ^2/NDF : 4981682.7/37

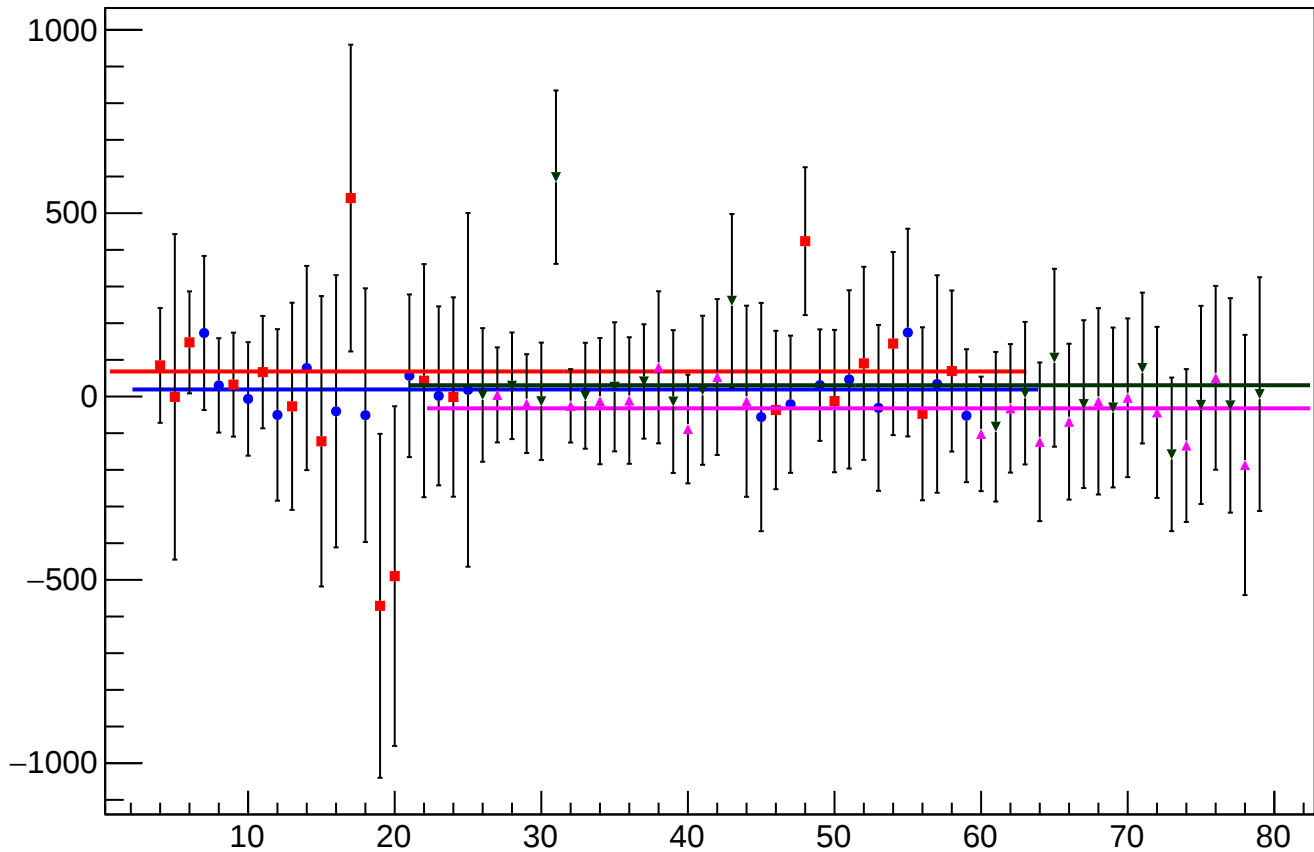
Left Out: 22.601+/-0.005 χ^2/NDF : 523267.2/19

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

23.070+/-0.004 χ^2/NDF : 5320921.1/37

Left In: 22.225+/-0.005 χ^2/NDF : 381965.3/18

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: 30.770+/-44.136 χ^2/NDF : 8.4/19

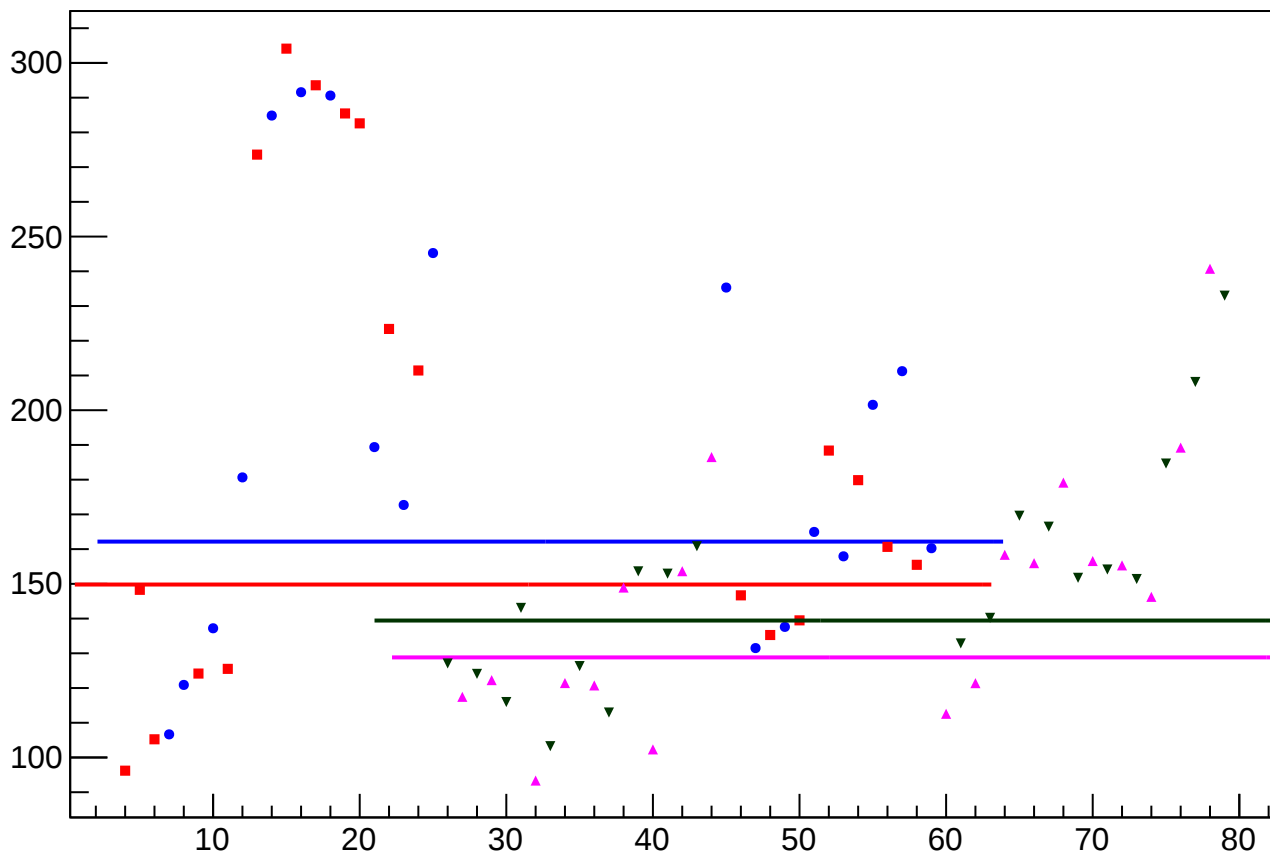
Right Out: 68.308+/-50.710 χ^2/NDF : 9.3/18

Left In: -32.185+/-40.606 χ^2/NDF : 1.7/18

25.833+/-33.349 χ^2/NDF : 9.9/37

7.076+/-31.696 χ^2/NDF : 13.4/37

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: 139.435+/-0.031 χ^2/NDF : 727603.2/19

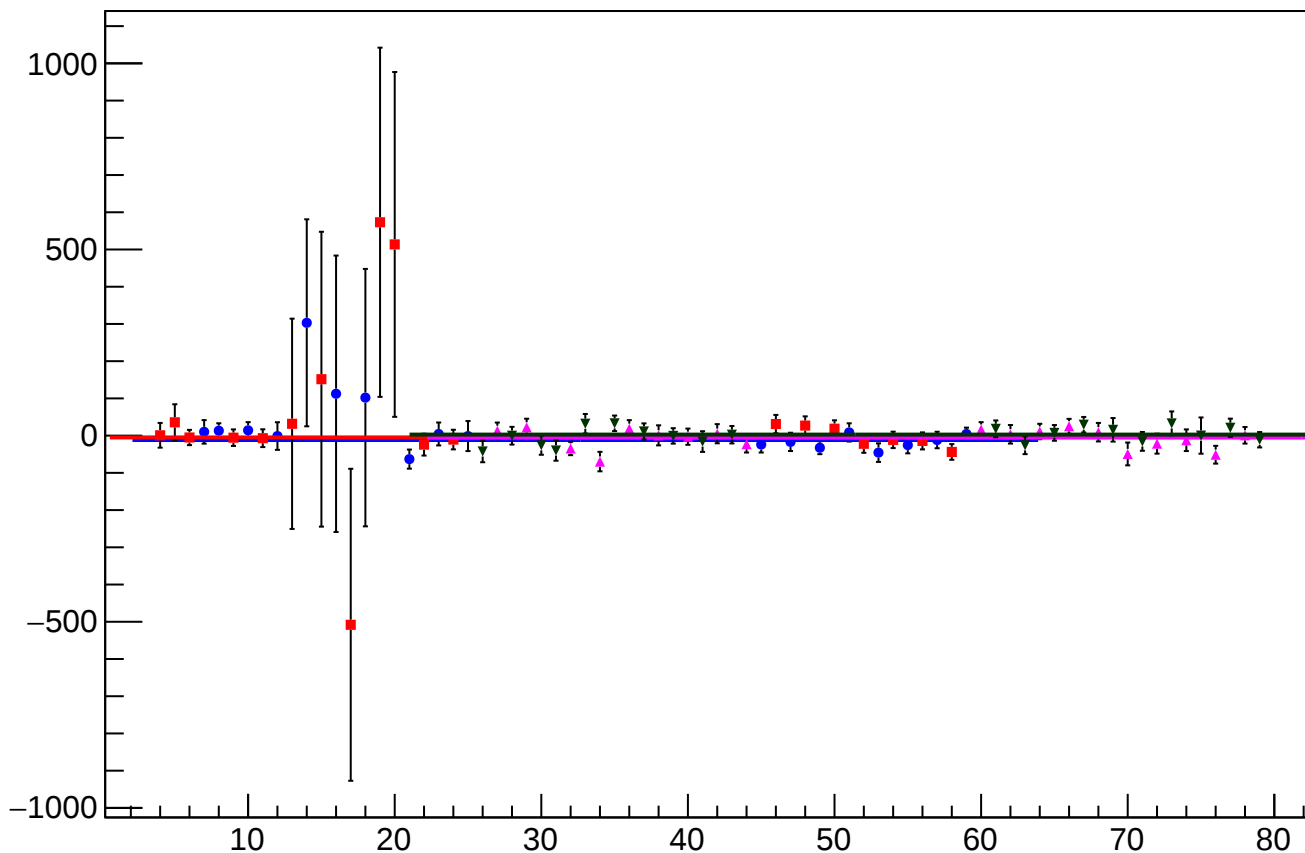
149.188+/-0.024 χ^2/NDF : 2675837.6/37

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

137.017+/-0.022 χ^2/NDF : 3371553.2/37

Left In: 128.819+/-0.029 χ^2/NDF : 1048266.9/18

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs slug



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

Left Out: 2.758 $\pm$ 5.470 χ^2 /NDF: 16.3/19

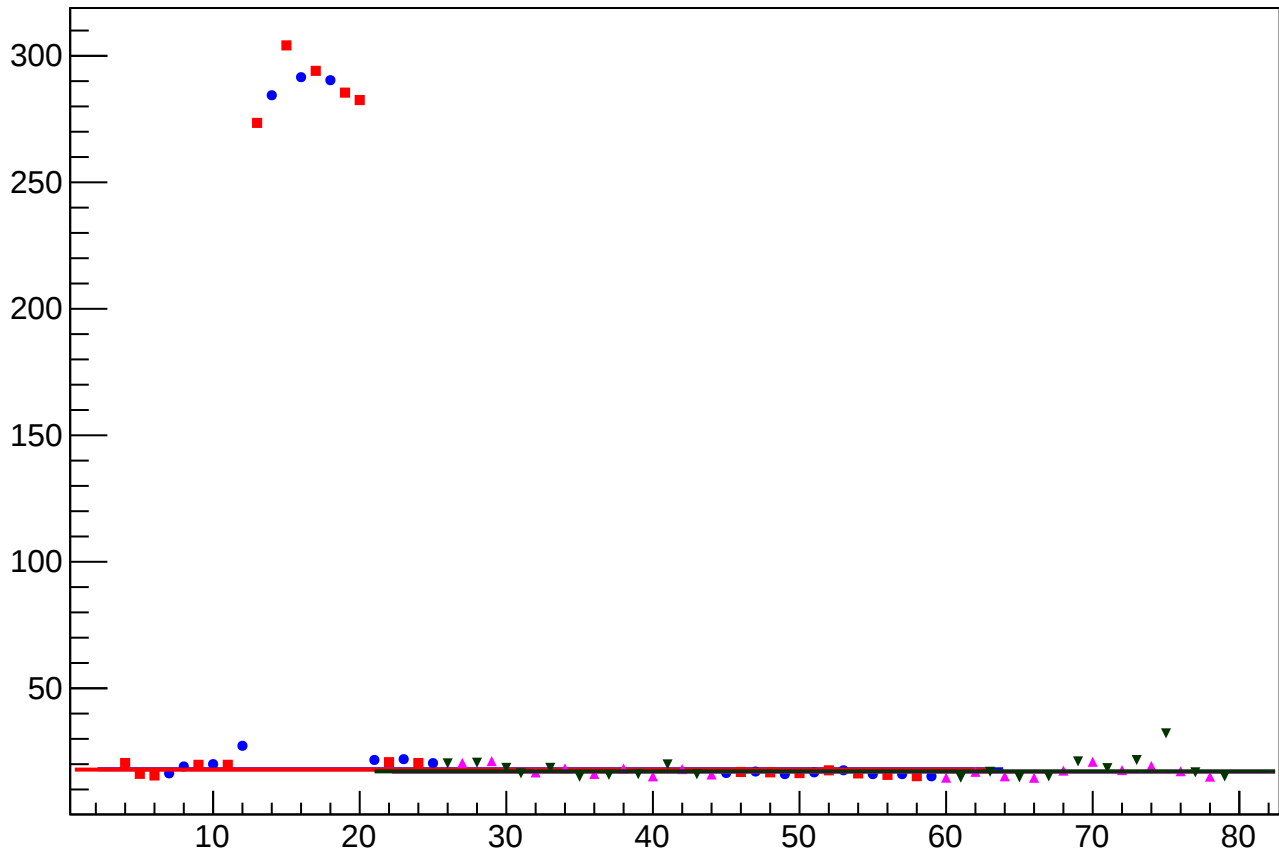
Right Out: -4.846 $\pm$ 6.550 χ^2 /NDF: 14.7/18

Left In: -5.201 $\pm$ 5.323 χ^2 /NDF: 23.5/18

-3.768 $\pm$ 4.053 χ^2 /NDF: 34.5/37

-5.060 $\pm$ 4.131 χ^2 /NDF: 38.2/37

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs slug



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

Left Out: 17.152 $\pm$ 0.004 χ^2 /NDF: 491147.4/19

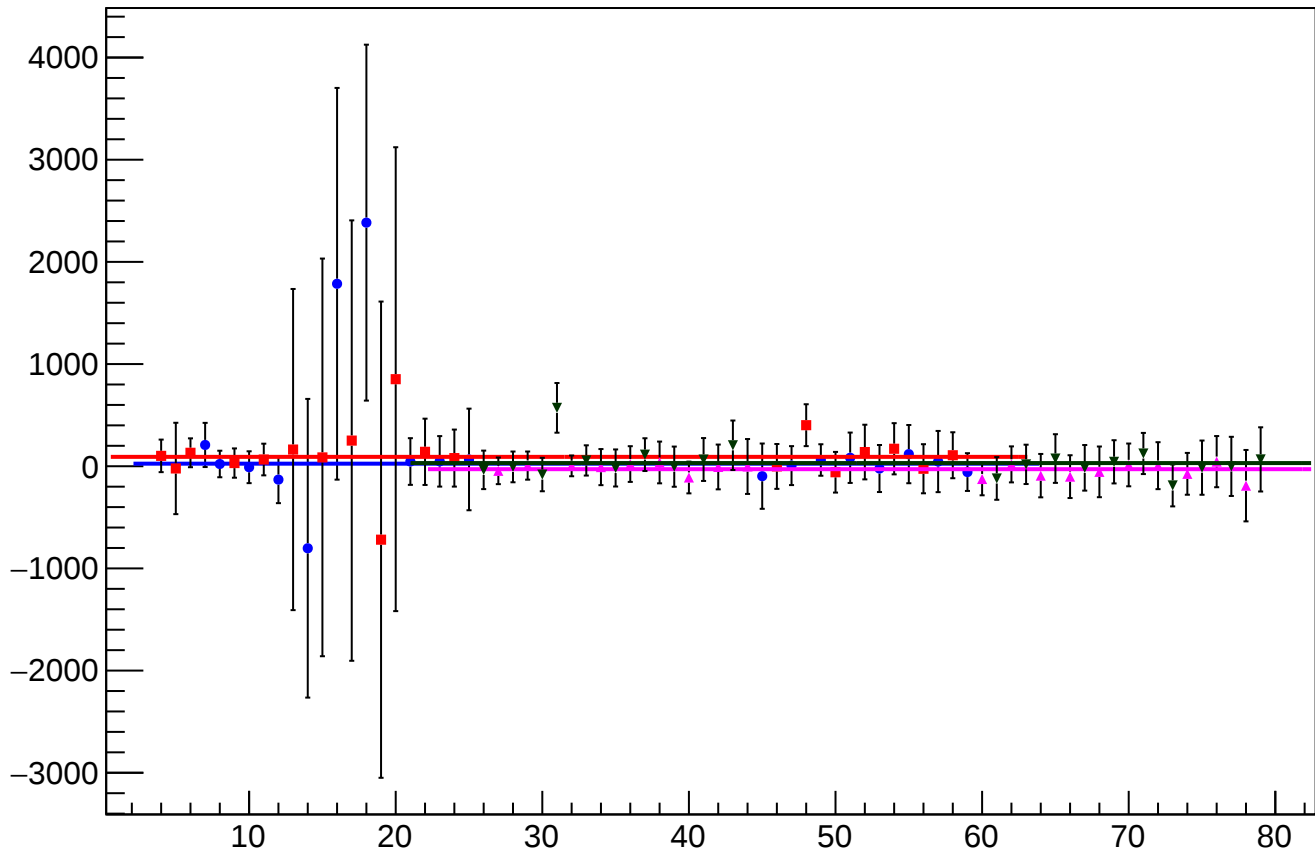
Right Out: 17.855 $\pm$ 0.005 χ^2 /NDF: 5034119.1/18

Left In: 17.033 $\pm$ 0.004 χ^2 /NDF: 283805.0/18

17.529 $\pm$ 0.003 χ^2 /NDF: 5037433.6/37

17.360 $\pm$ 0.003 χ^2 /NDF: 5336859.2/37

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs slug



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

Left Out: 30.957 $\pm$ 44.641 χ^2 /NDF:8.5/19

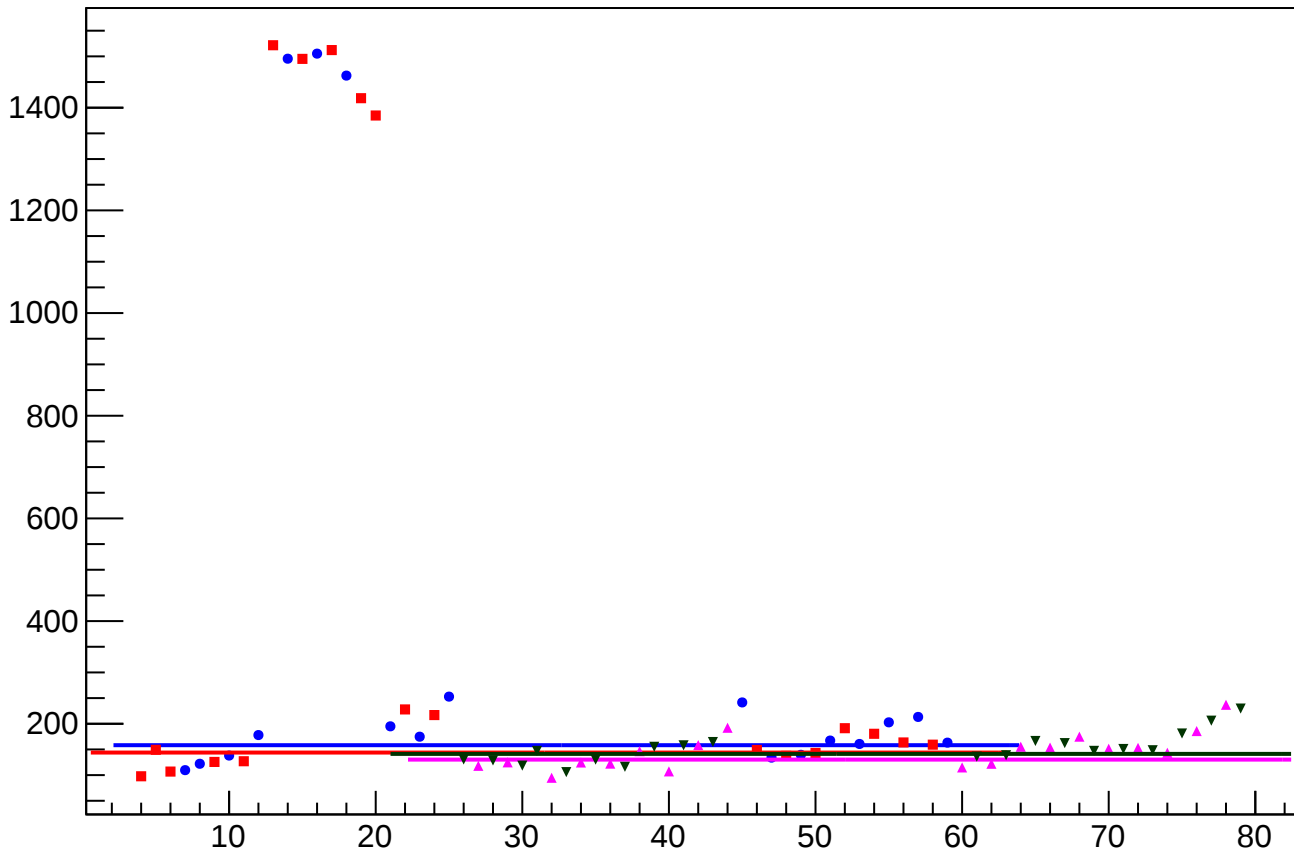
Right Out: 91.771 $\pm$ 53.823 χ^2 /NDF: 4.0/18

Left In: -28.834 $\pm$ 40.977 χ^2 /NDF:1.7/18

28.561 $\pm$ 34.286 χ^2 /NDF: 13.4/37

15.421 $\pm$ 32.604 χ^2 /NDF: 9.0/37

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs slug



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

Left Out: 141.339 $\pm$ 0.032 χ^2 /NDF: 626986.5/19

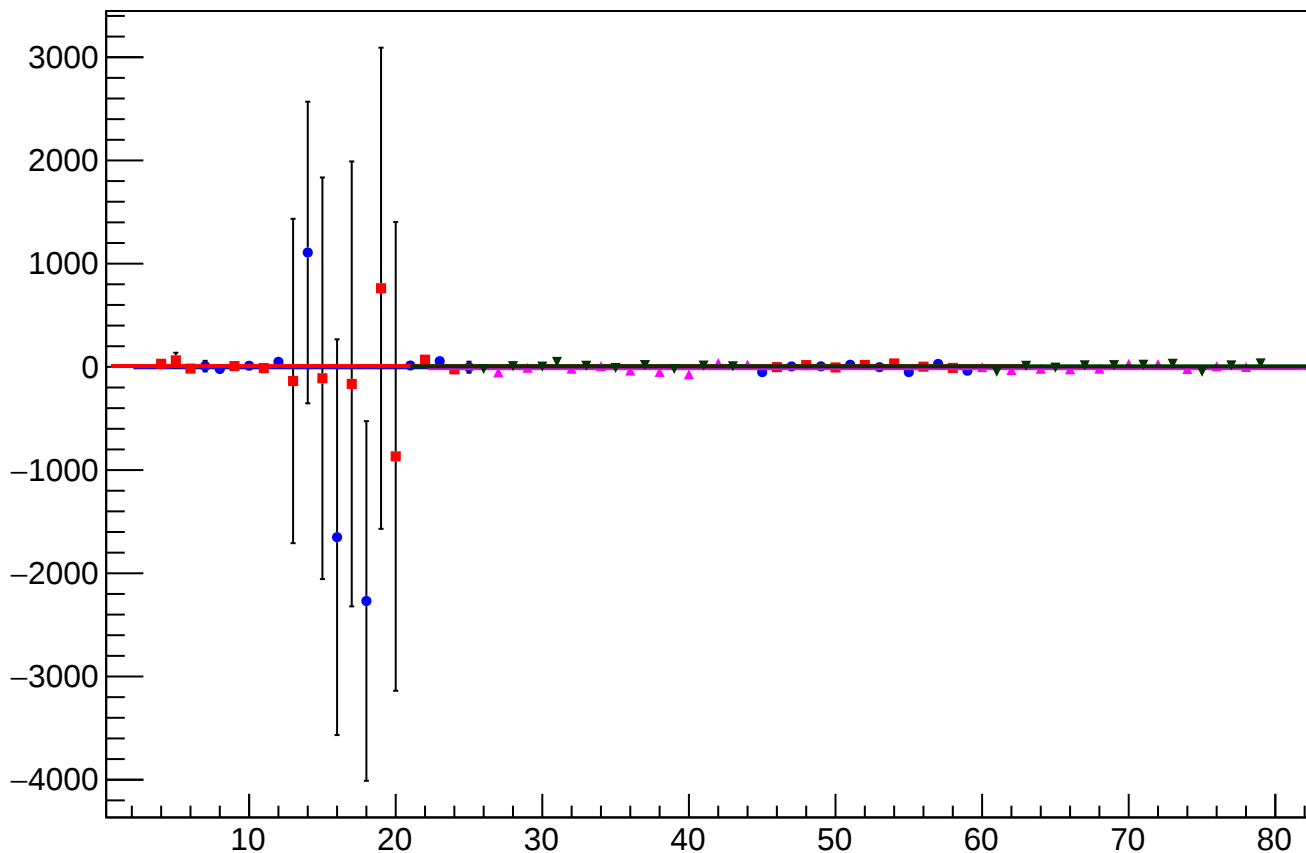
148.285 $\pm$ 0.024 χ^2 /NDF: 5284047.5/37

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

135.238 $\pm$ 0.023 χ^2 /NDF: 6289689.7/37

Left In: 130.194 $\pm$ 0.029 χ^2 /NDF: 939129.9/18

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs slug



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

Left Out: 5.123 ± 6.681 χ^2/NDF : 11.5/19

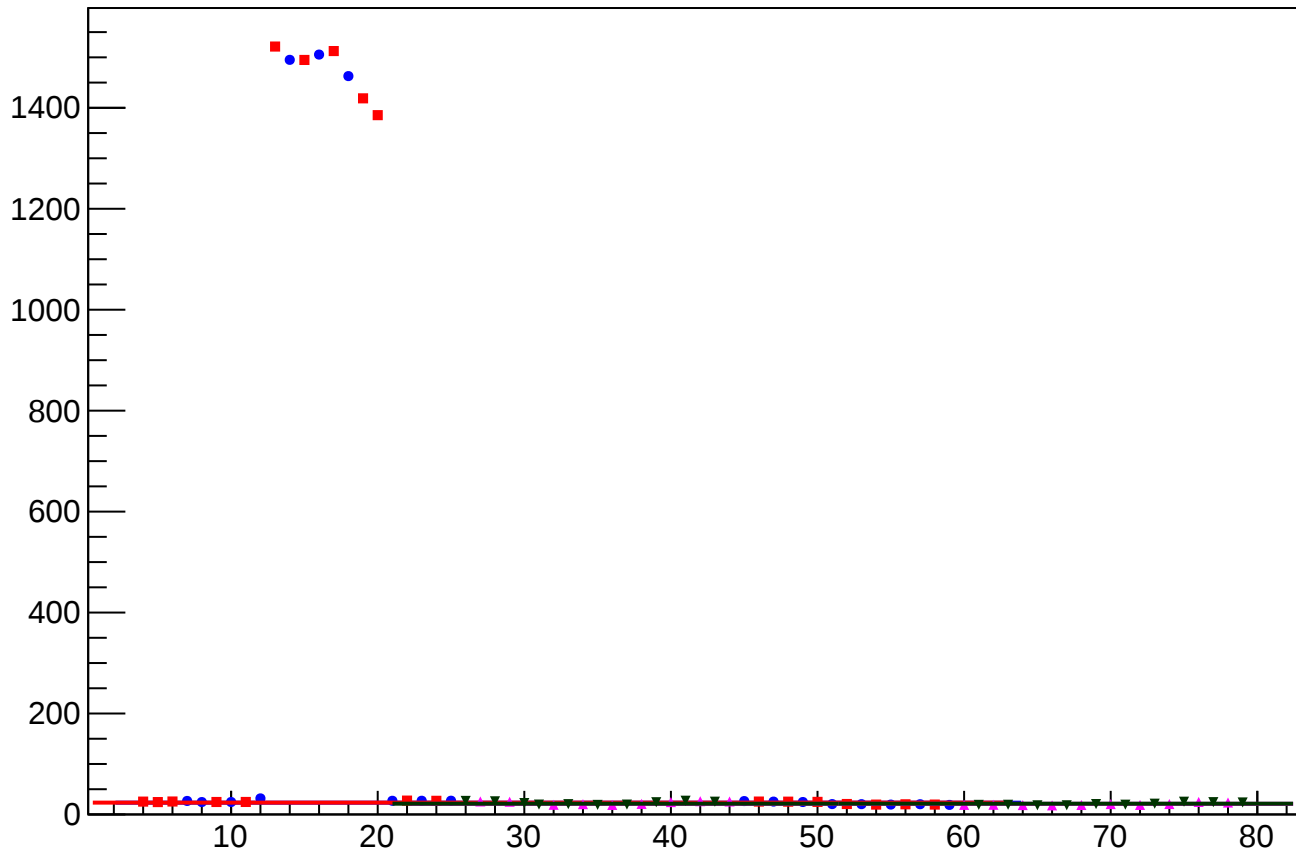
Right Out: 7.973 ± 8.718 χ^2/NDF : 7.3/18

Left In: -12.902 ± 6.482 χ^2/NDF : 16.0/18

1.276 ± 5.095 χ^2/NDF : 29.8/37

-5.470 ± 5.202 χ^2/NDF : 27.0/37

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: 21.340+/-0.005 χ^2/NDF : 371920.0/19

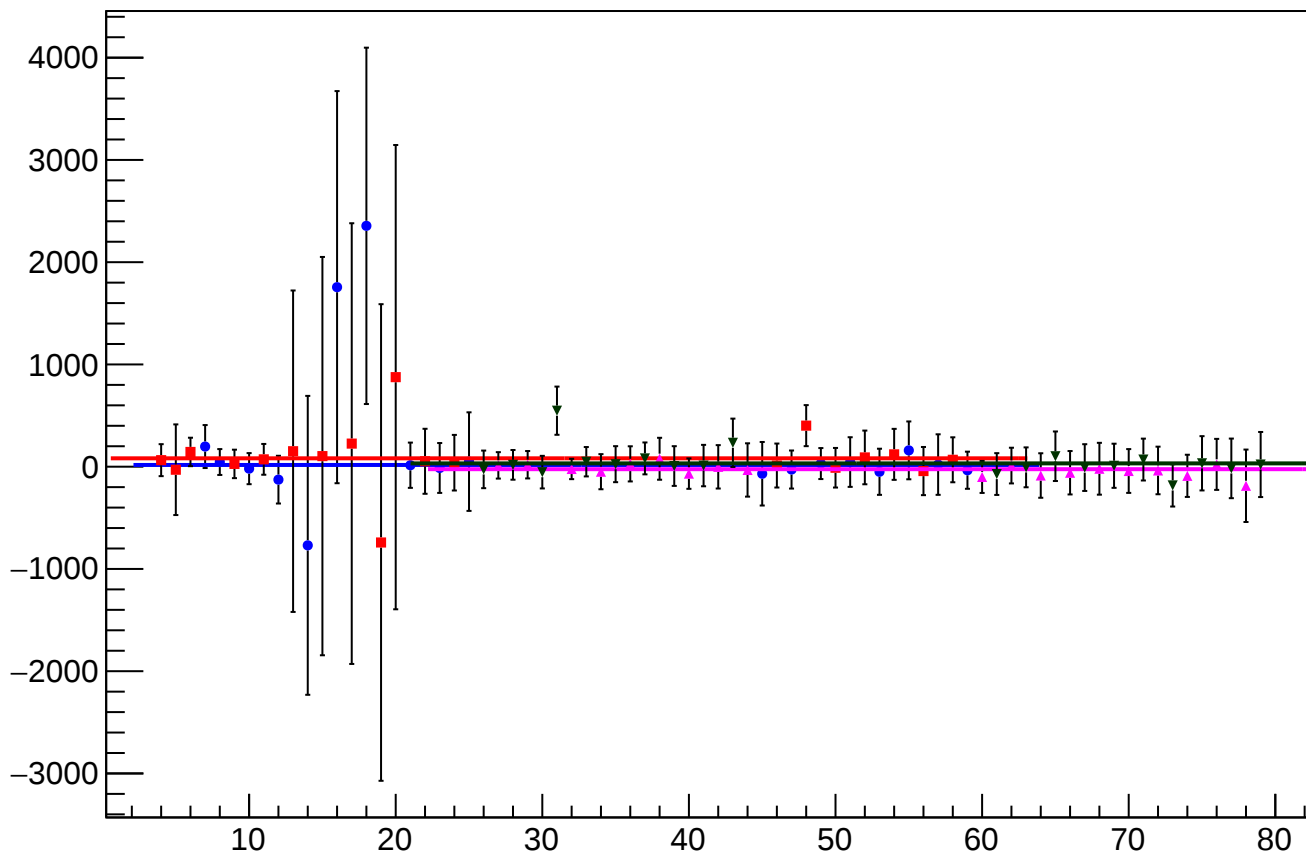
Right Out: 23.445+/-0.006 χ^2/NDF : 5561556.7/18

Left In: 20.981+/-0.005 χ^2/NDF : 360700.2/18

22.175+/-0.004 χ^2/NDF : 5411869.6/37

21.858+/-0.004 χ^2/NDF : 6025148.4/37

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: 32.350+/-44.023 χ^2/NDF : 7.6/19

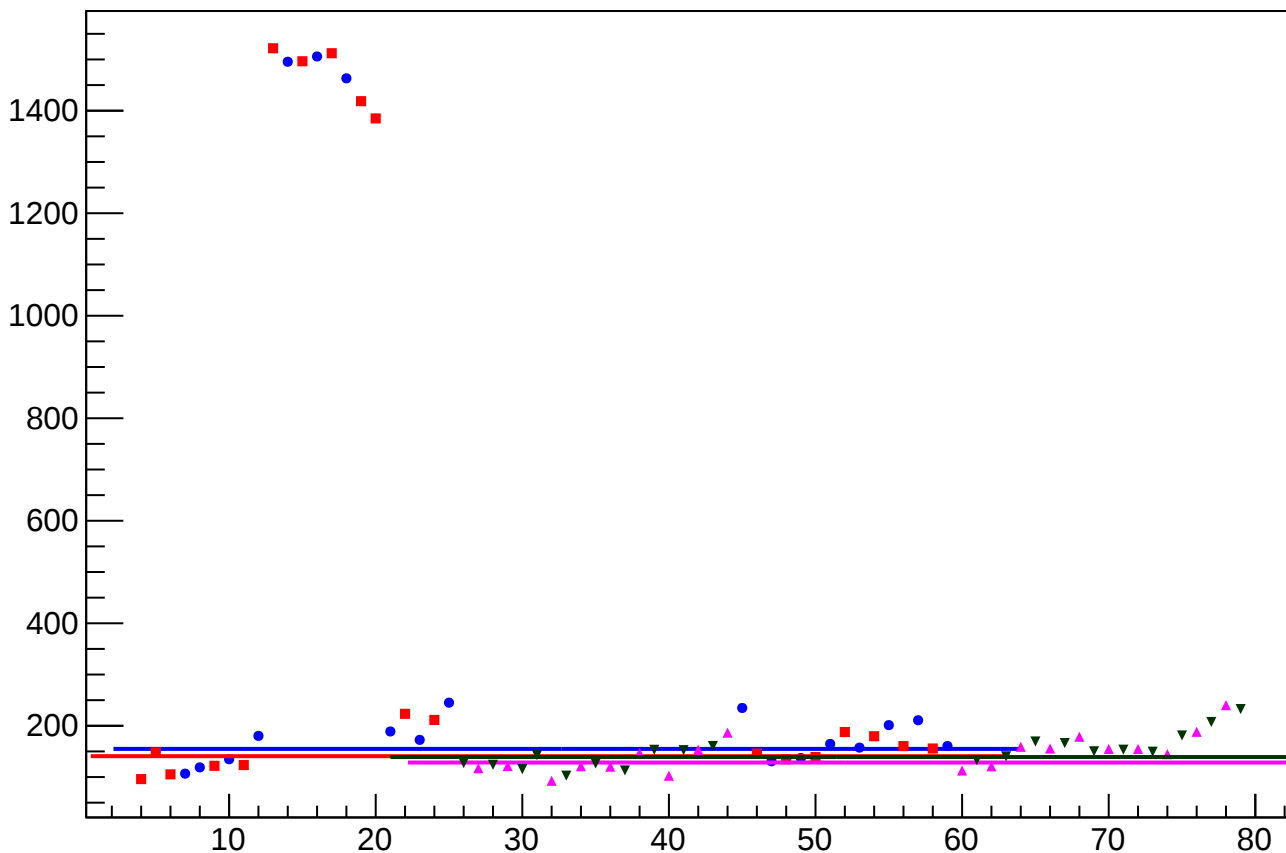
Right Out: 81.906+/-52.666 χ^2/NDF : 3.9/18

Left In: -24.364+/-40.465 χ^2/NDF : 1.4/18

25.985+/-33.730 χ^2/NDF : 12.4/37

15.084+/-32.087 χ^2/NDF : 7.8/37

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs slug



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

Left Out: 139.034 $\pm$ 0.031 χ^2 /NDF: 719667.2/19

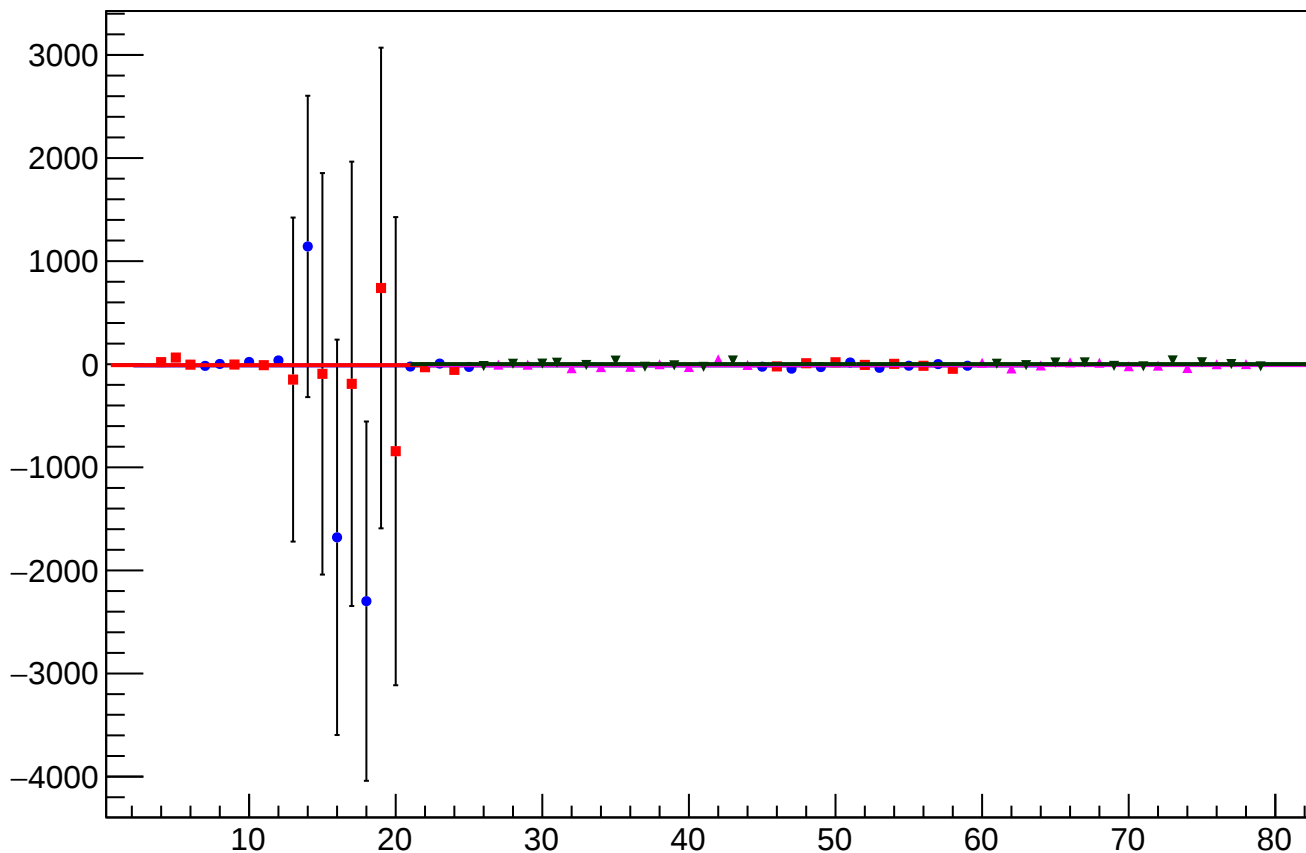
145.606 $\pm$ 0.024 χ^2 /NDF: 5408182.4/37

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

132.942 $\pm$ 0.023 χ^2 /NDF: 6409922.5/37

Left In: 128.357 $\pm$ 0.029 χ^2 /NDF: 1048747.7/18

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs slug



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

Left Out: 1.491+/-5.031 χ^2/NDF : 15.8/19

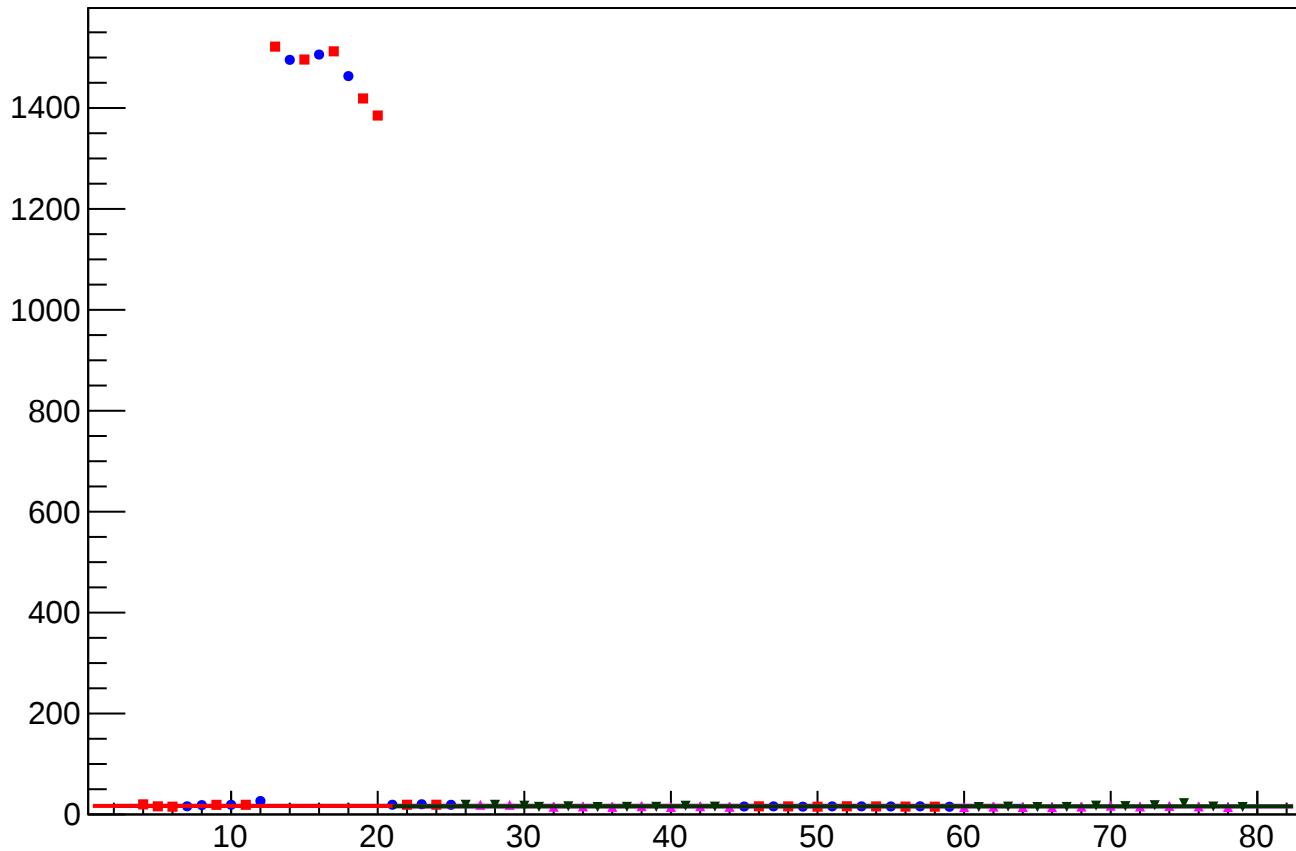
Right Out: -8.864+/-6.293 χ^2/NDF : 13.3/18

Left In: -8.575+/-4.904 χ^2/NDF : 19.9/18

-4.044+/-3.793 χ^2/NDF : 33.6/37

-8.684+/-3.868 χ^2/NDF : 33.3/37

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs slug



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

Left Out: 16.082+/-0.004 χ^2/NDF : 227908.1/19

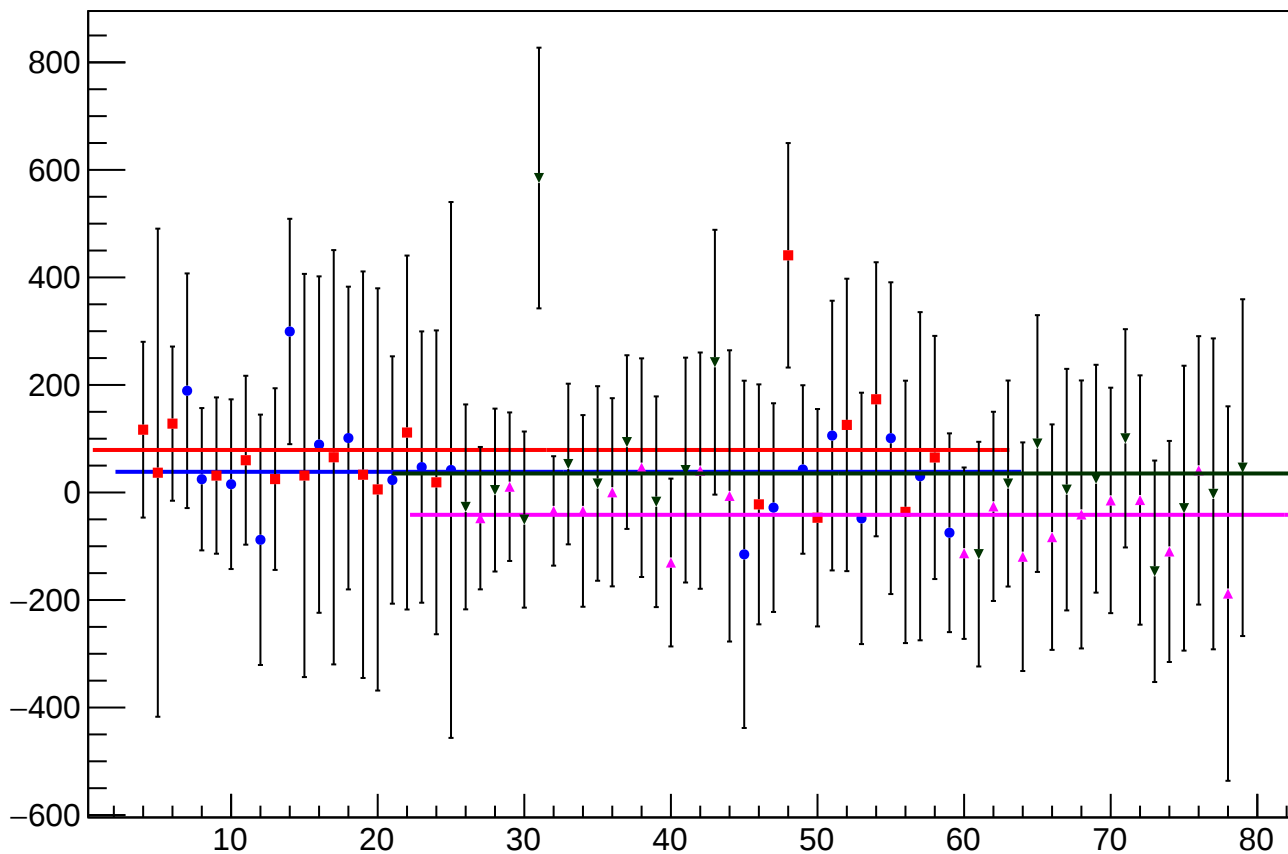
Right Out: 16.920+/-0.004 χ^2/NDF : 5539958.1/18

Left In: 15.933+/-0.003 χ^2/NDF : 155777.4/18

16.519+/-0.003 χ^2/NDF : 5184837.3/37

16.306+/-0.003 χ^2/NDF : 5726313.1/37

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: 35.335+/-44.790 χ^2/NDF : 8.1/19

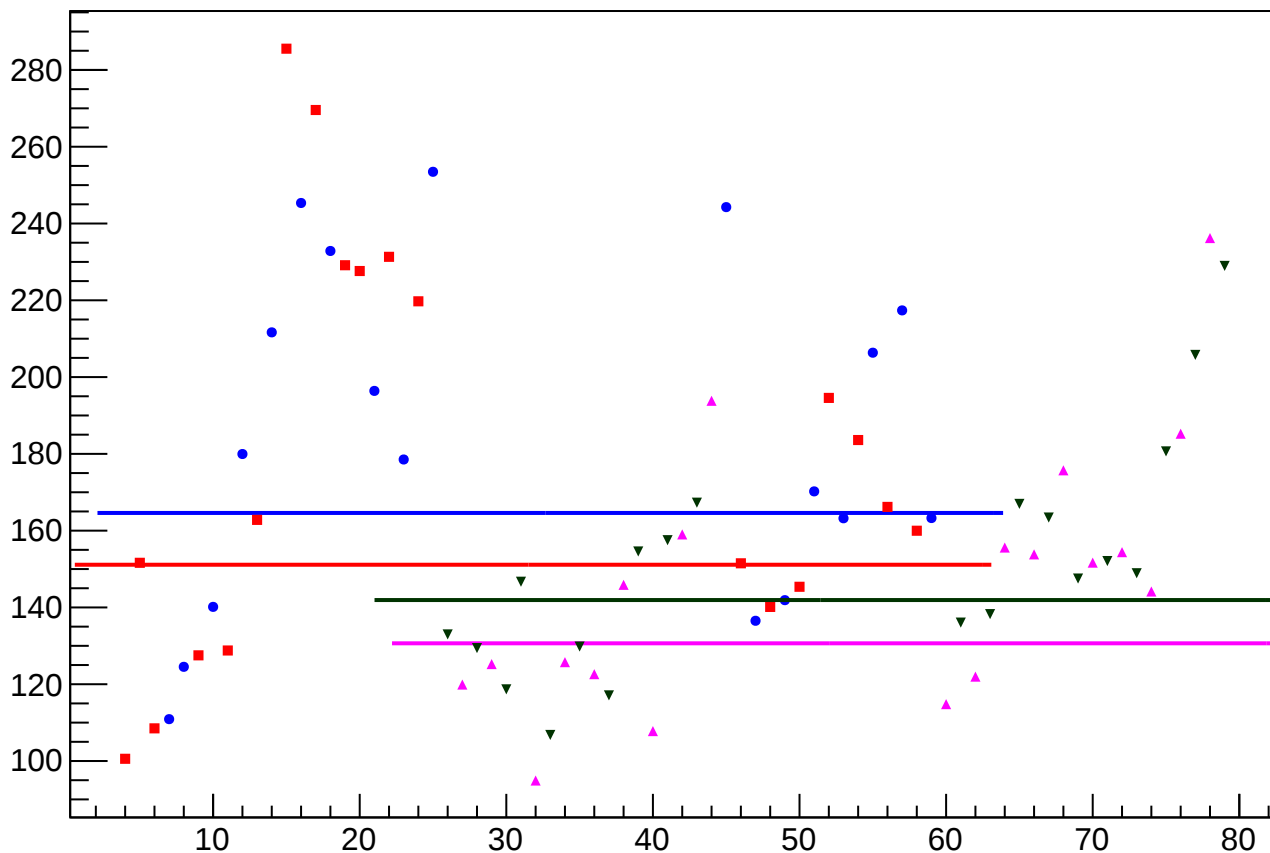
Right Out: 79.078+/-50.233 χ^2/NDF : 4.5/18

Left In: -41.532+/-41.113 χ^2/NDF : 1.7/18

36.690+/-33.665 χ^2/NDF : 11.5/37

6.850+/-31.816 χ^2/NDF : 9.7/37

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: 141.927 $\pm$ 0.032 χ^2 /NDF: 612648.7/19

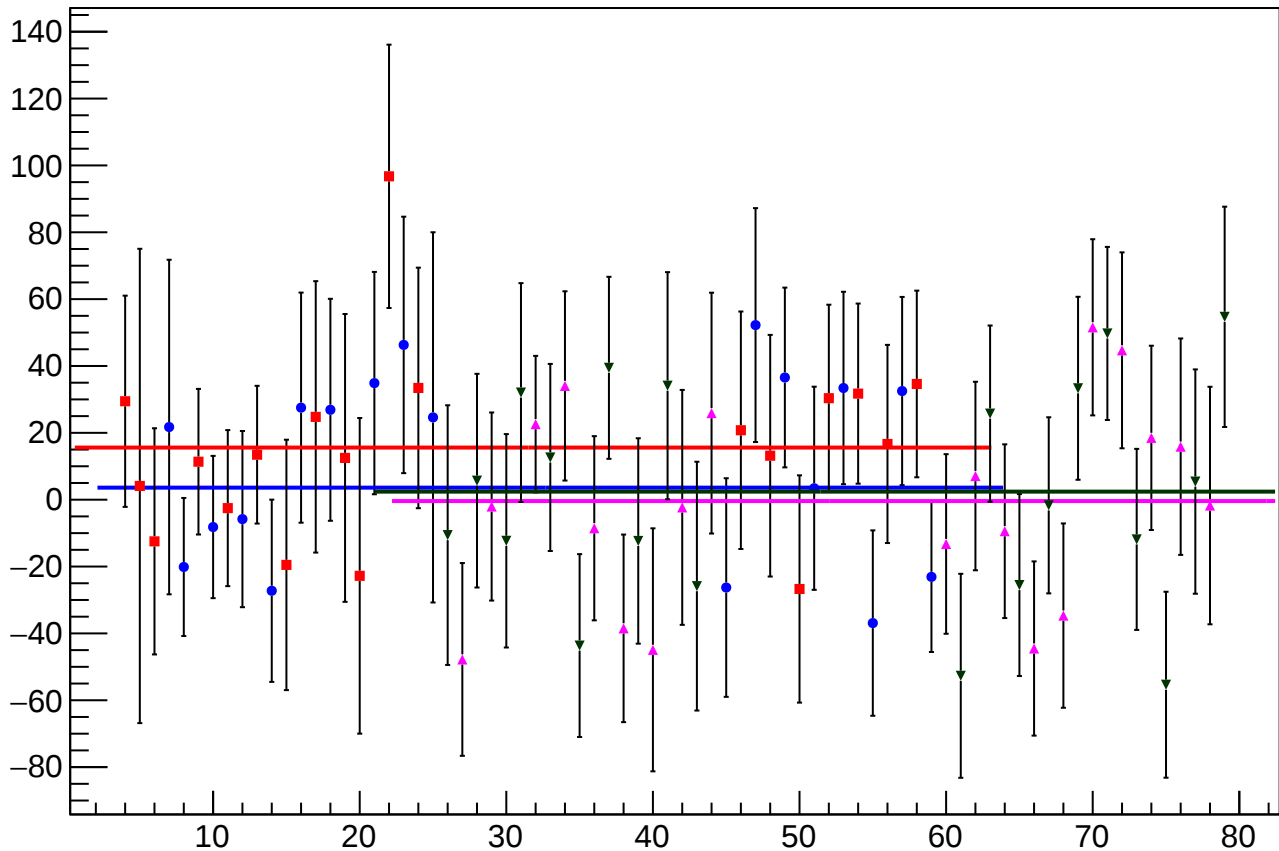
151.796 $\pm$ 0.024 χ^2 /NDF: 1964416.8/37

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

138.867 $\pm$ 0.022 χ^2 /NDF: 2558185.9/37

Left In: 130.657 $\pm$ 0.029 χ^2 /NDF: 935943.0/18

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: 2.413 $\pm$ 6.628 χ^2 /NDF:24.5/19

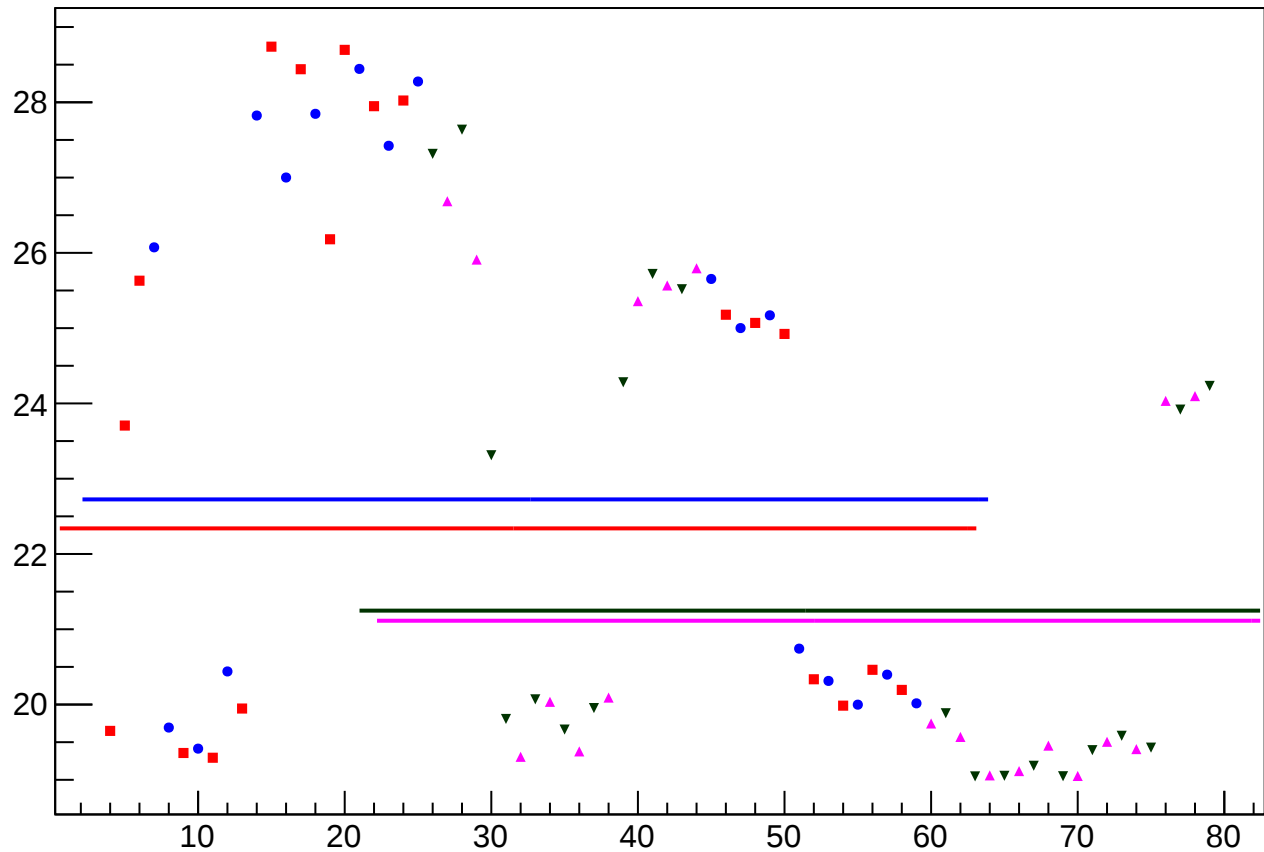
2.990 $\pm$ 4.760 χ^2 /NDF: 40.9/37

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

6.851 $\pm$ 4.810 χ^2 /NDF: 34.3/37

Left In: -0.407 $\pm$ 6.507 χ^2 /NDF:21.2/18

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: 21.248+/-0.005 χ^2/NDF : 347710.7/19

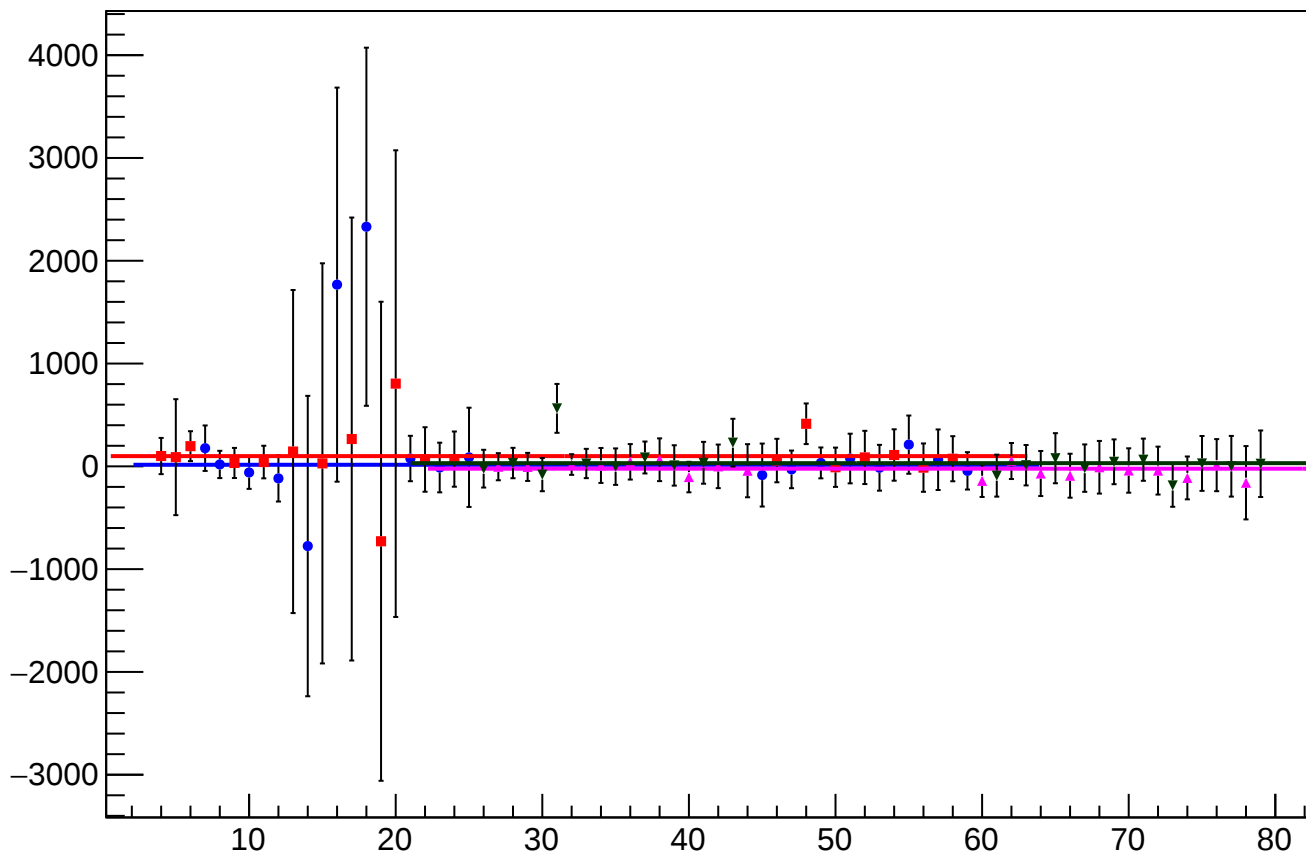
Right Out: 22.340+/-0.005 χ^2/NDF : 460008.2/18

Left In: 21.113+/-0.005 χ^2/NDF : 354145.5/18

21.963+/-0.003 χ^2/NDF : 894599.1/37

21.670+/-0.003 χ^2/NDF : 846383.0/37

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: 30.930+/-44.230 χ^2/NDF : 8.1/19

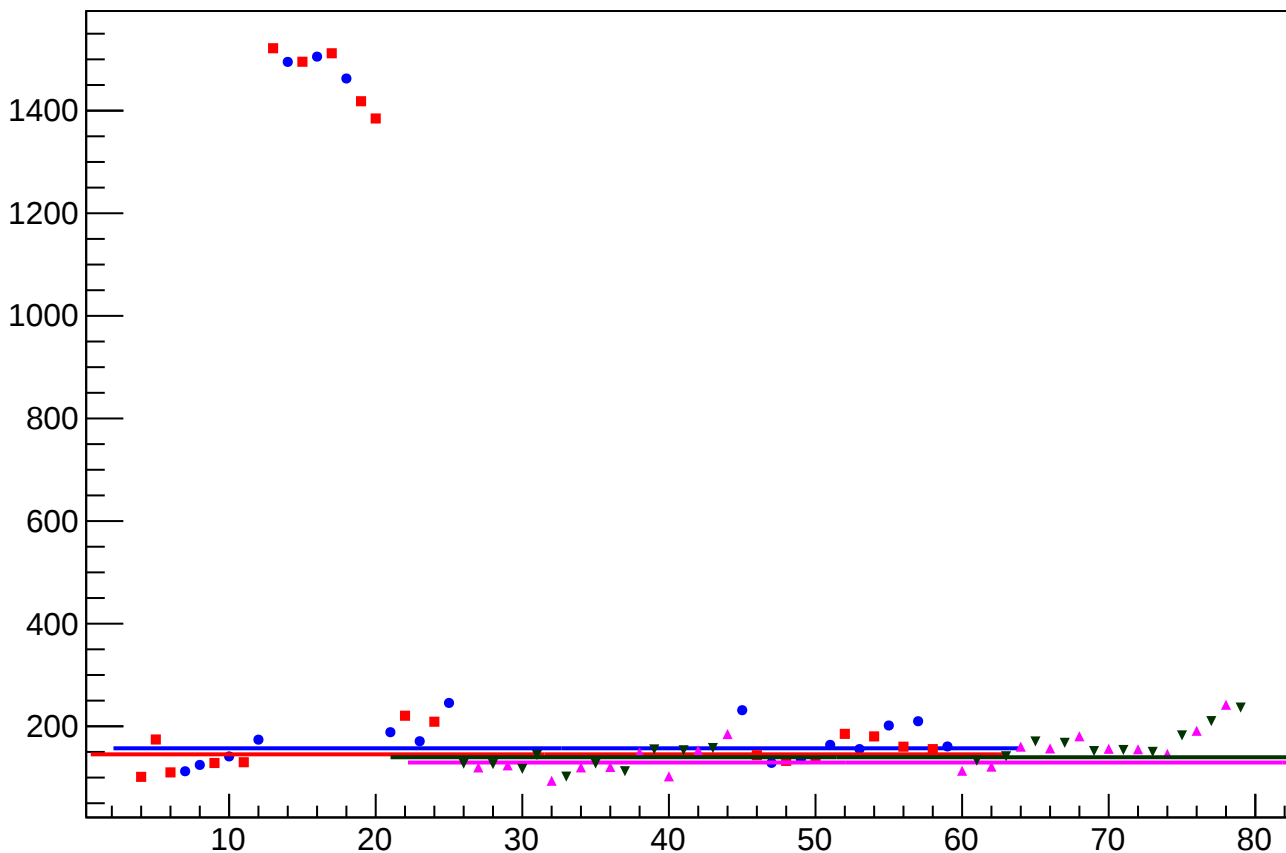
Right Out: 99.514+/-54.286 χ^2/NDF : 4.2/18

Left In: -22.835+/-40.779 χ^2/NDF : 2.1/18

24.474+/-33.963 χ^2/NDF : 13.1/37

21.300+/-32.605 χ^2/NDF : 9.6/37

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: 139.621+/-0.031 χ^2/NDF : 739398.3/19

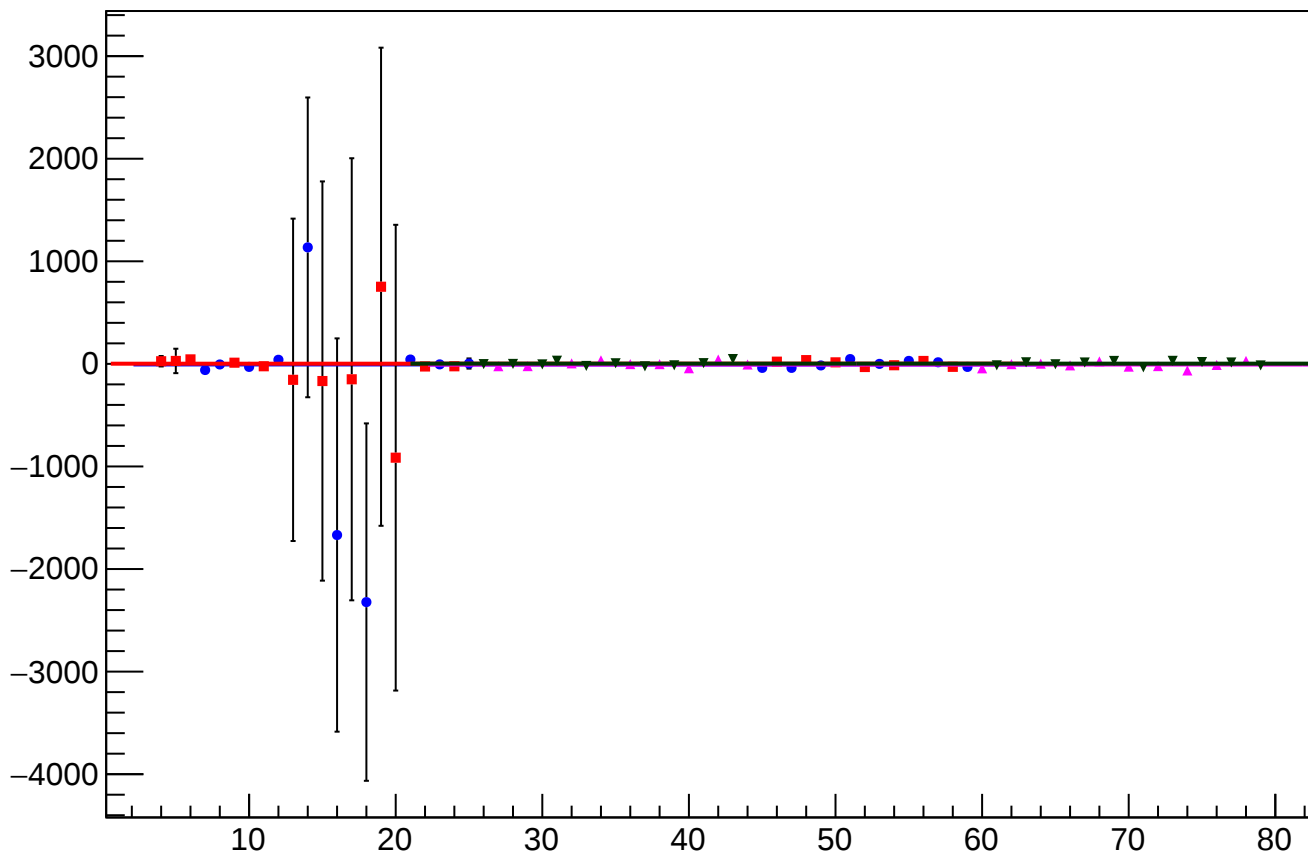
146.789+/-0.024 χ^2/NDF : 5324185.4/37

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

135.132+/-0.023 χ^2/NDF : 6275631.2/37

Left In: 129.394+/-0.029 χ^2/NDF : 1041744.3/18

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs slug



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

Left Out: 2.234+/-6.506 χ^2/NDF :10.0/19

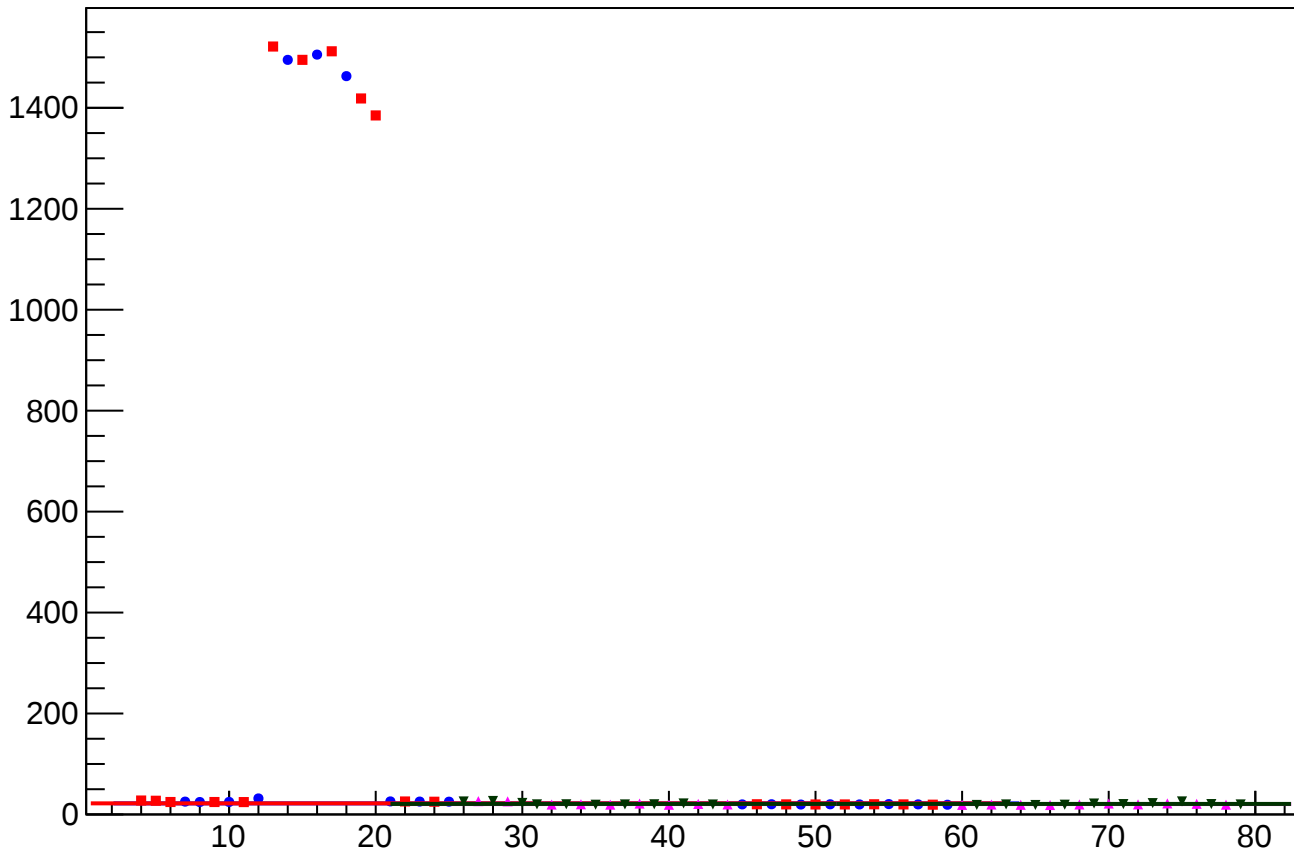
Right Out: 1.722+/-8.261 χ^2/NDF : 10.4/18

Left In: -6.904+/-6.338 χ^2/NDF :16.6/18

-1.214+/-4.883 χ^2/NDF : 29.4/37

-3.708+/-5.029 χ^2/NDF : 27.7/37

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: 20.858+/-0.005 χ^2 /NDF:209741.1/19

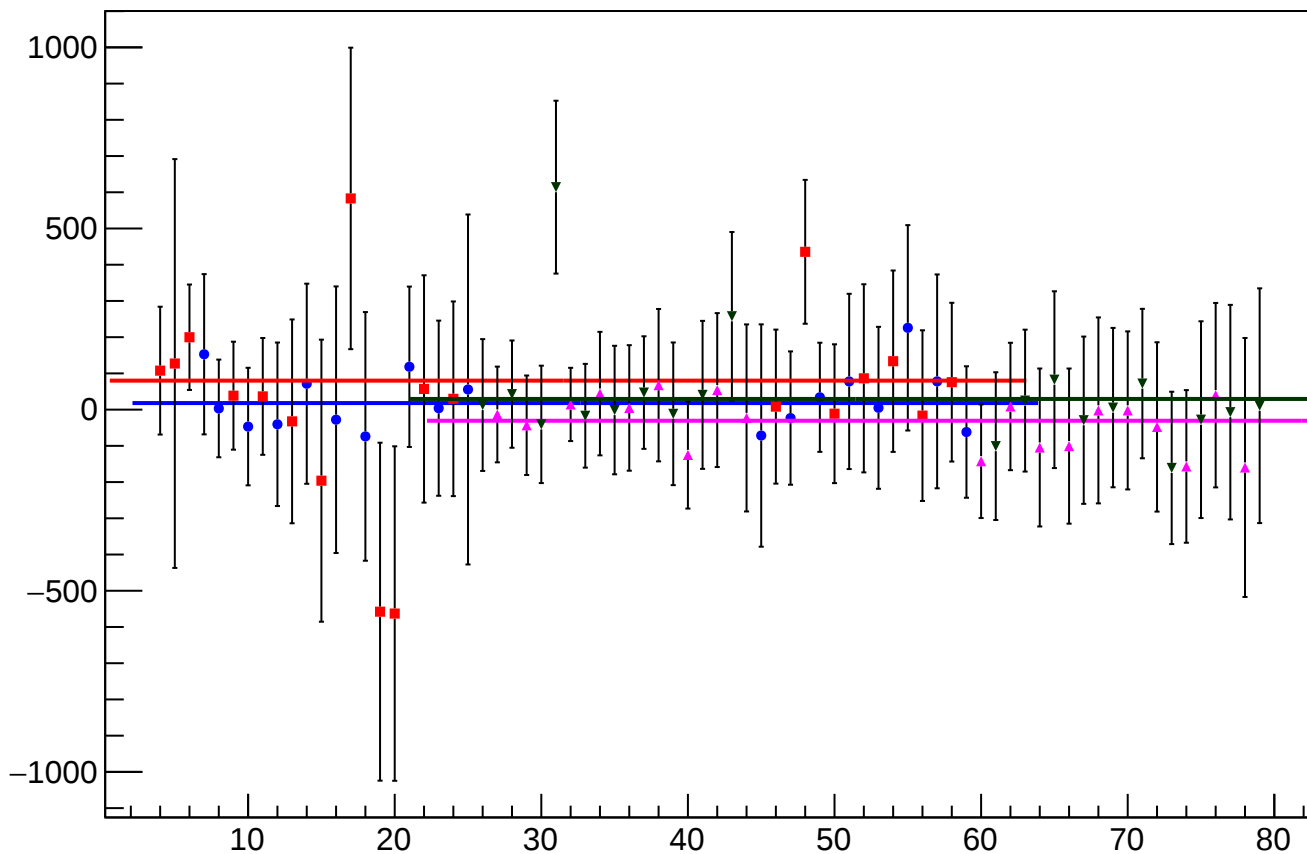
Right Out: 21.987+/-0.006 χ^2 /NDF: 5559967.3/18

Left In: 20.613+/-0.004 χ^2 /NDF:210254.4/18

21.321+/-0.003 χ^2 /NDF: 5164663.8/37

21.122+/-0.004 χ^2 /NDF: 5805044.2/37

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs slug



Right In: 18.106+/-51.332 χ^2/NDF : 1.9/17

Left Out: 29.484+/-44.339 χ^2/NDF : 8.8/19

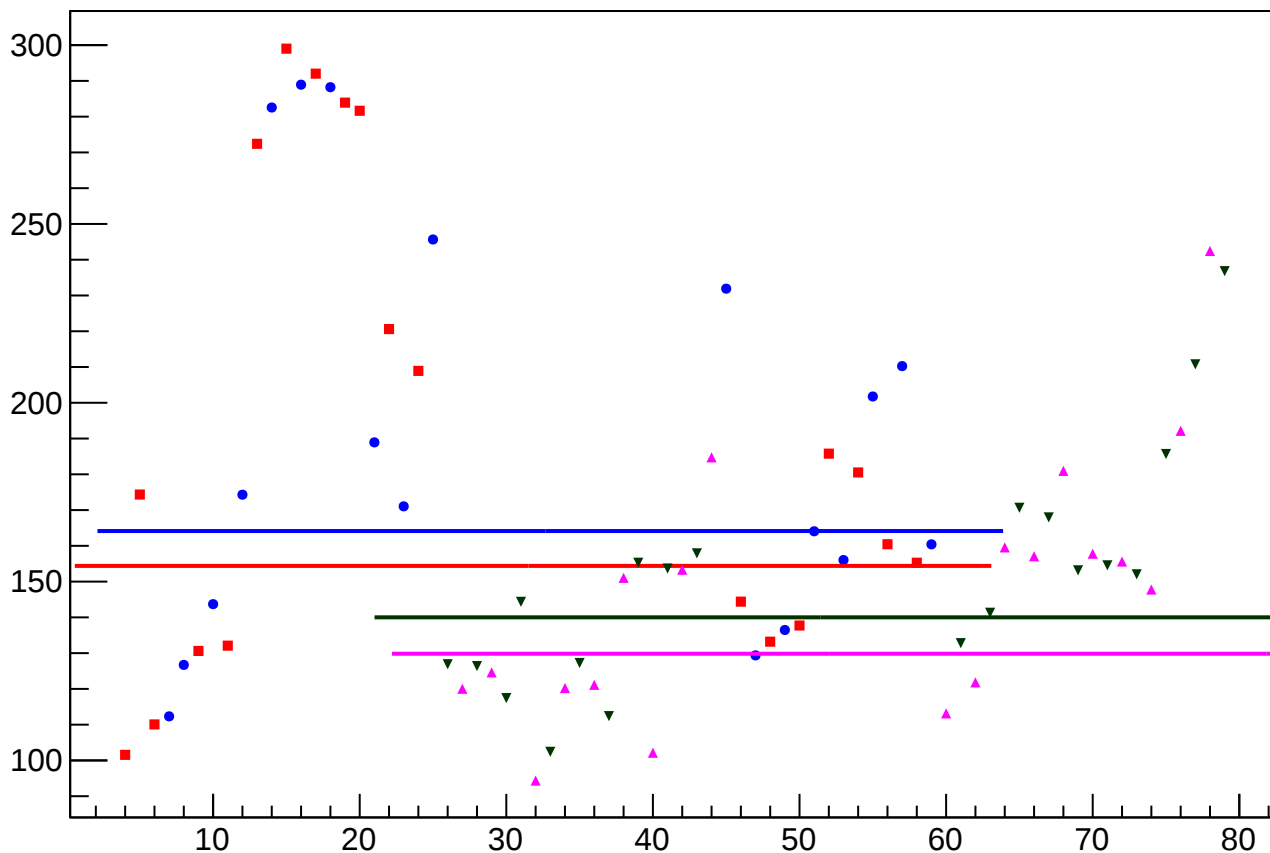
Right Out: 80.043+/-52.081 χ^2/NDF : 10.6/18

Left In: -30.676+/-40.915 χ^2/NDF : 2.6/18

24.623+/-33.555 χ^2/NDF : 10.8/37

11.579+/-32.174 χ^2/NDF : 16.0/37

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs slug



Right In: 164.140 ± 0.036 χ^2/NDF : 1566554.6/17

Left Out: 140.010 ± 0.031 χ^2/NDF : 747280.6/19

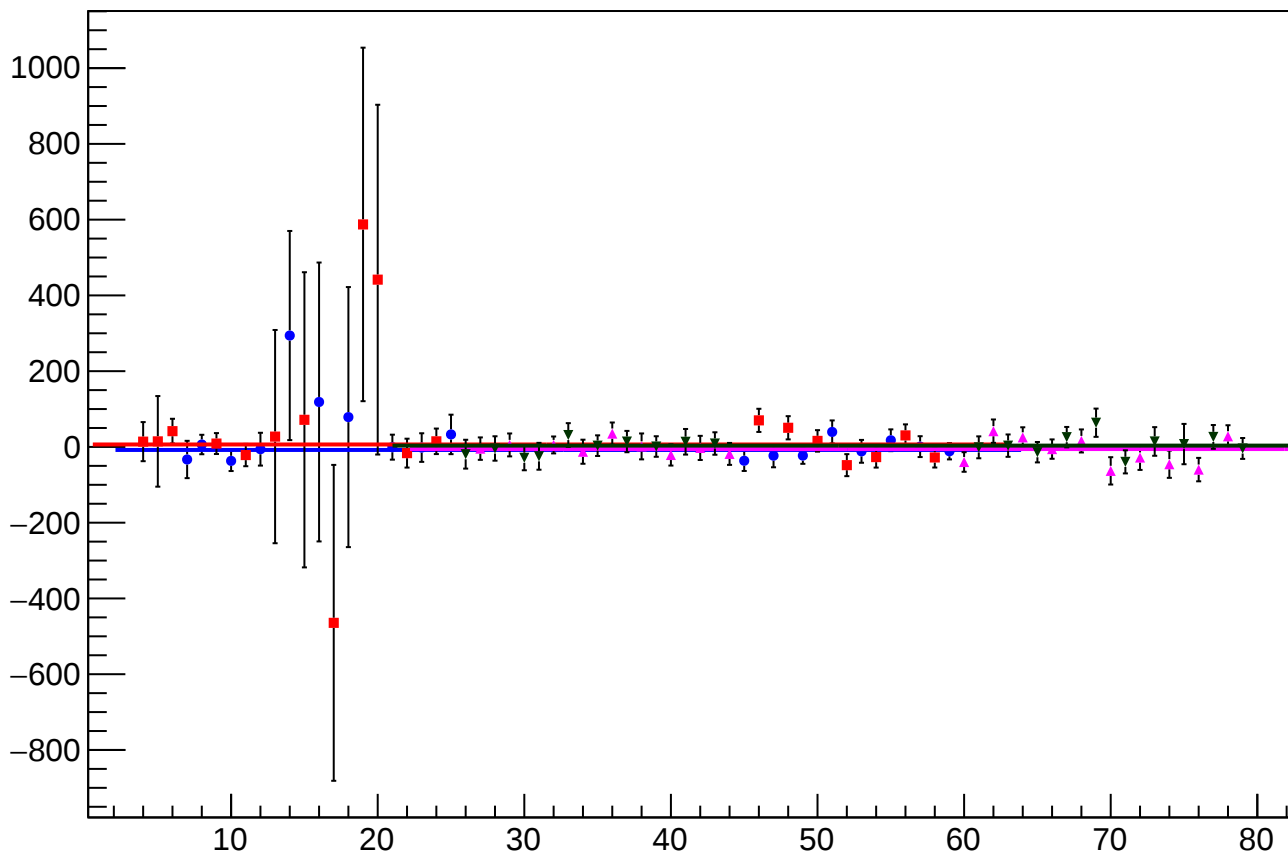
Right Out: 154.395 ± 0.037 χ^2/NDF : 1875575.3/18

Left In: 129.838 ± 0.029 χ^2/NDF : 1042068.4/18

150.320 ± 0.024 χ^2/NDF : 2566940.3/37

139.210 ± 0.023 χ^2/NDF : 3192601.4/37

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: 3.463+/-6.961 χ^2/NDF : 9.5/19

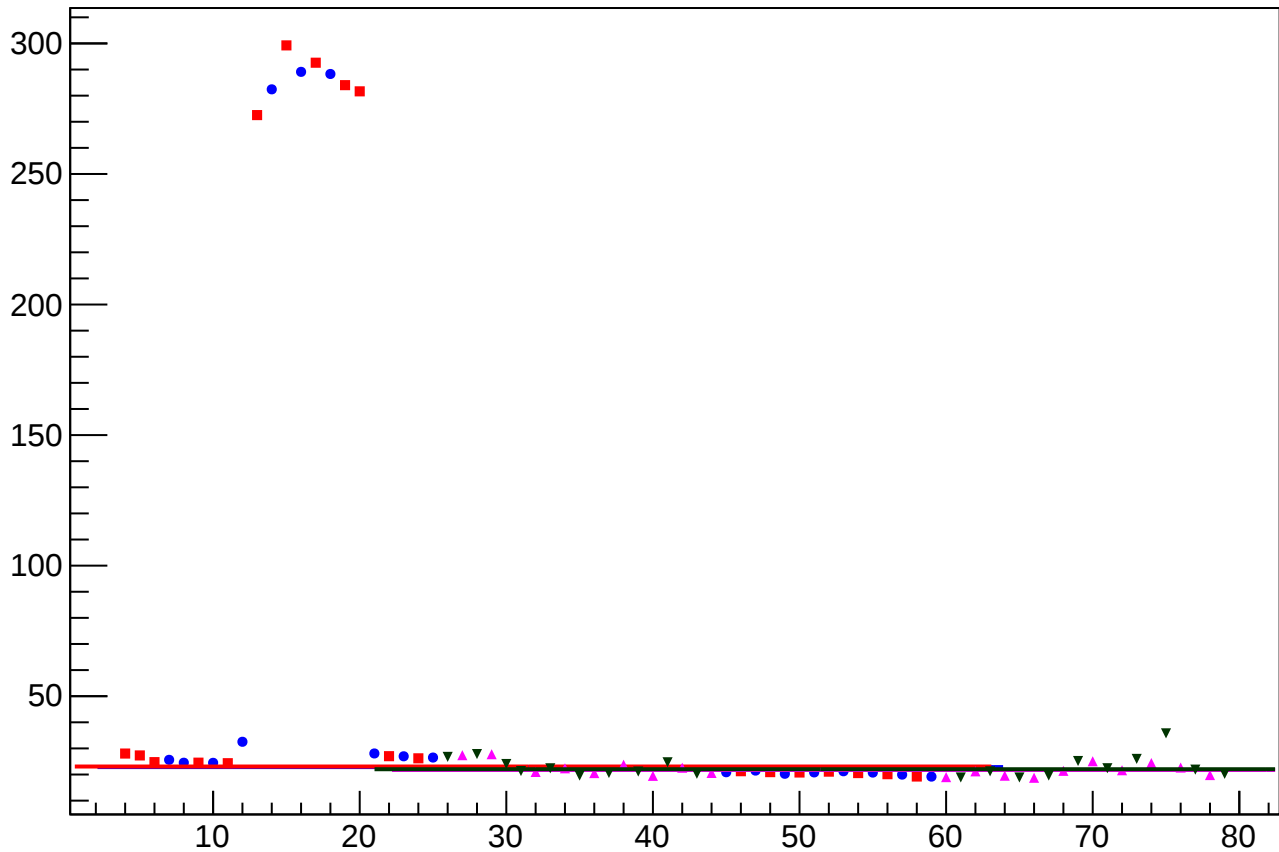
Right Out: 6.463+/-8.479 χ^2/NDF : 20.1/18

Left In: -5.588+/-6.747 χ^2/NDF : 17.5/18

-1.756+/-5.134 χ^2/NDF : 19.7/37

-0.916+/-5.280 χ^2/NDF : 38.8/37

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: 22.028+/-0.005 χ^2/NDF : 393790.7/19

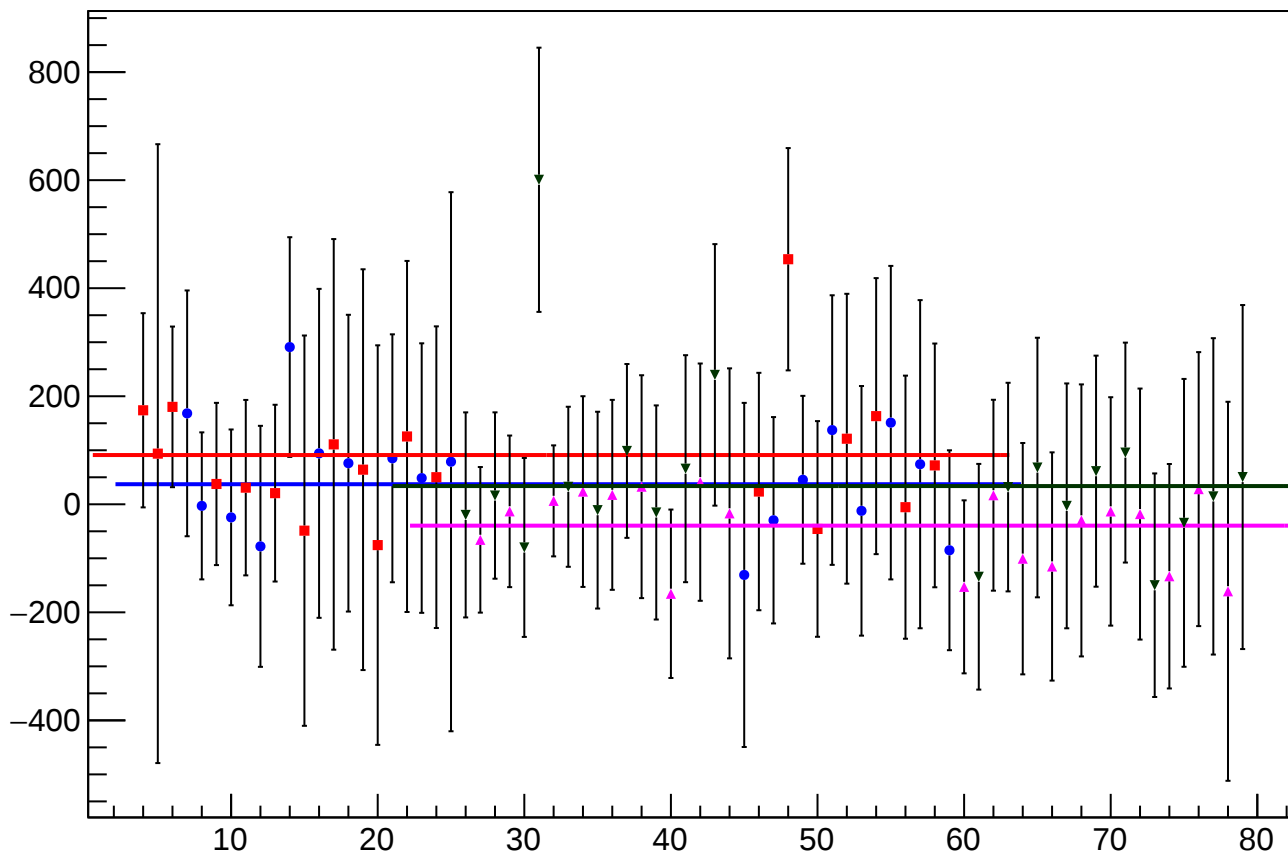
Right Out: 23.069+/-0.006 χ^2/NDF : 4856723.7/18

Left In: 21.732+/-0.005 χ^2/NDF : 286435.3/18

22.405+/-0.004 χ^2/NDF : 4770145.8/37

22.250+/-0.004 χ^2/NDF : 5173593.6/37

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs slug



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

Left Out: 33.729+/-44.987 χ^2/NDF : 8.6/19

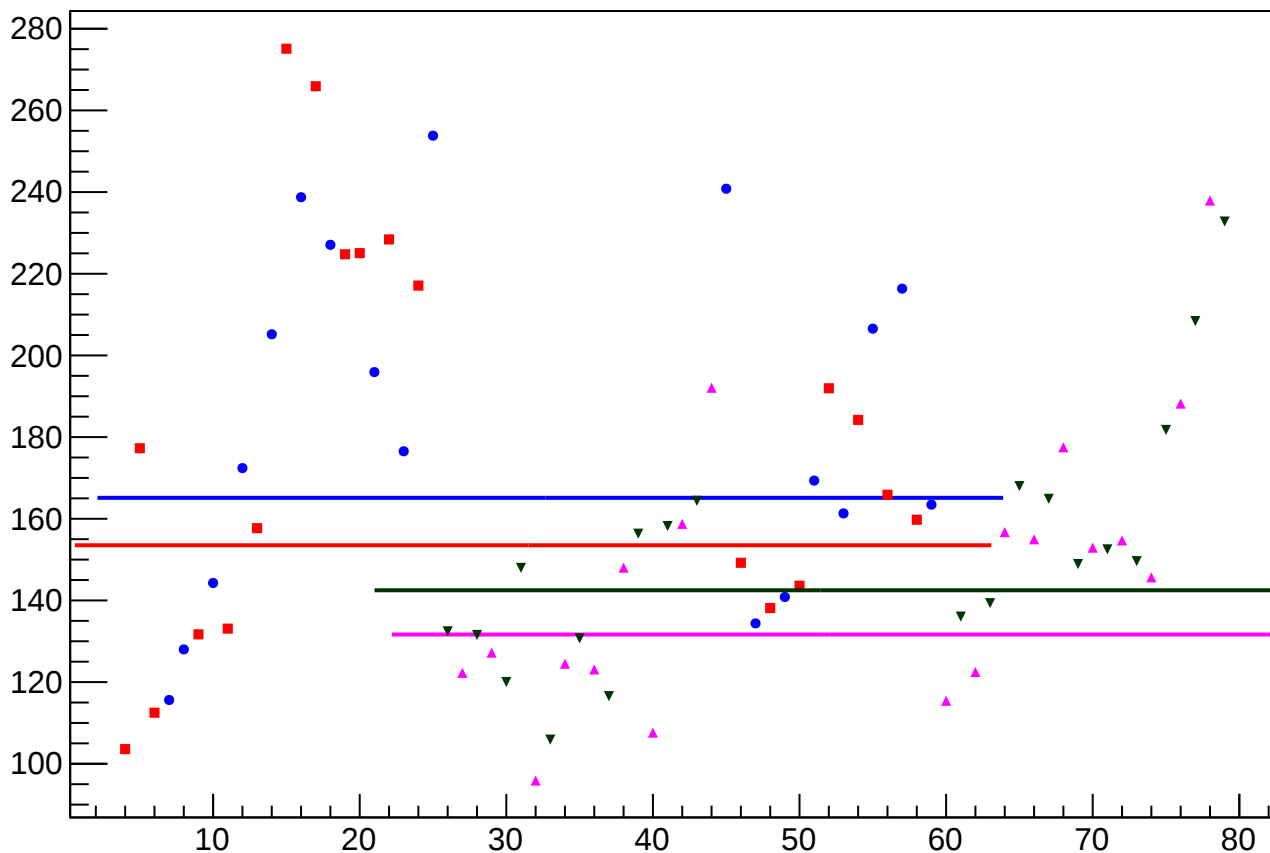
Right Out: 91.157+/-50.934 χ^2/NDF : 5.3/18

Left In: -39.550+/-41.414 χ^2/NDF : 2.7/18

35.226+/-33.748 χ^2/NDF : 12.3/37

12.471+/-32.133 χ^2/NDF : 12.0/37

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs slug



Right In: 165.125 ± 0.036 χ^2/NDF : 990659.0/17

Left Out: 142.486 ± 0.032 χ^2/NDF : 632291.8/19

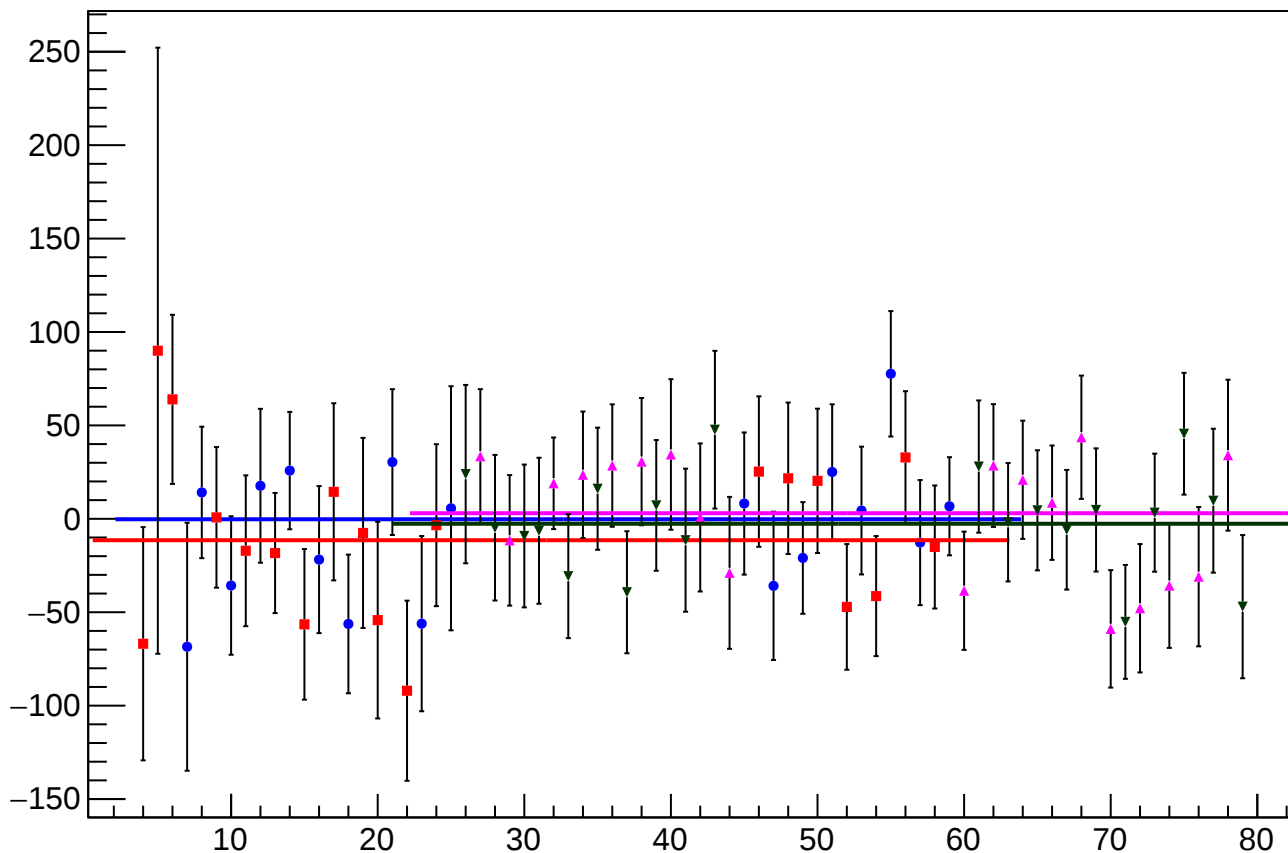
Right Out: 153.509 ± 0.036 χ^2/NDF : 1238601.8/18

Left In: 131.654 ± 0.029 χ^2/NDF : 929819.3/18

152.385 ± 0.024 χ^2/NDF : 1844397.6/37

140.352 ± 0.023 χ^2/NDF : 2390095.5/37

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs slug



Right In: -0.239 $\pm$ 8.646 χ^2/NDF : 15.1/17

Left Out: -2.641 $\pm$ 7.829 χ^2/NDF : 11.7/19

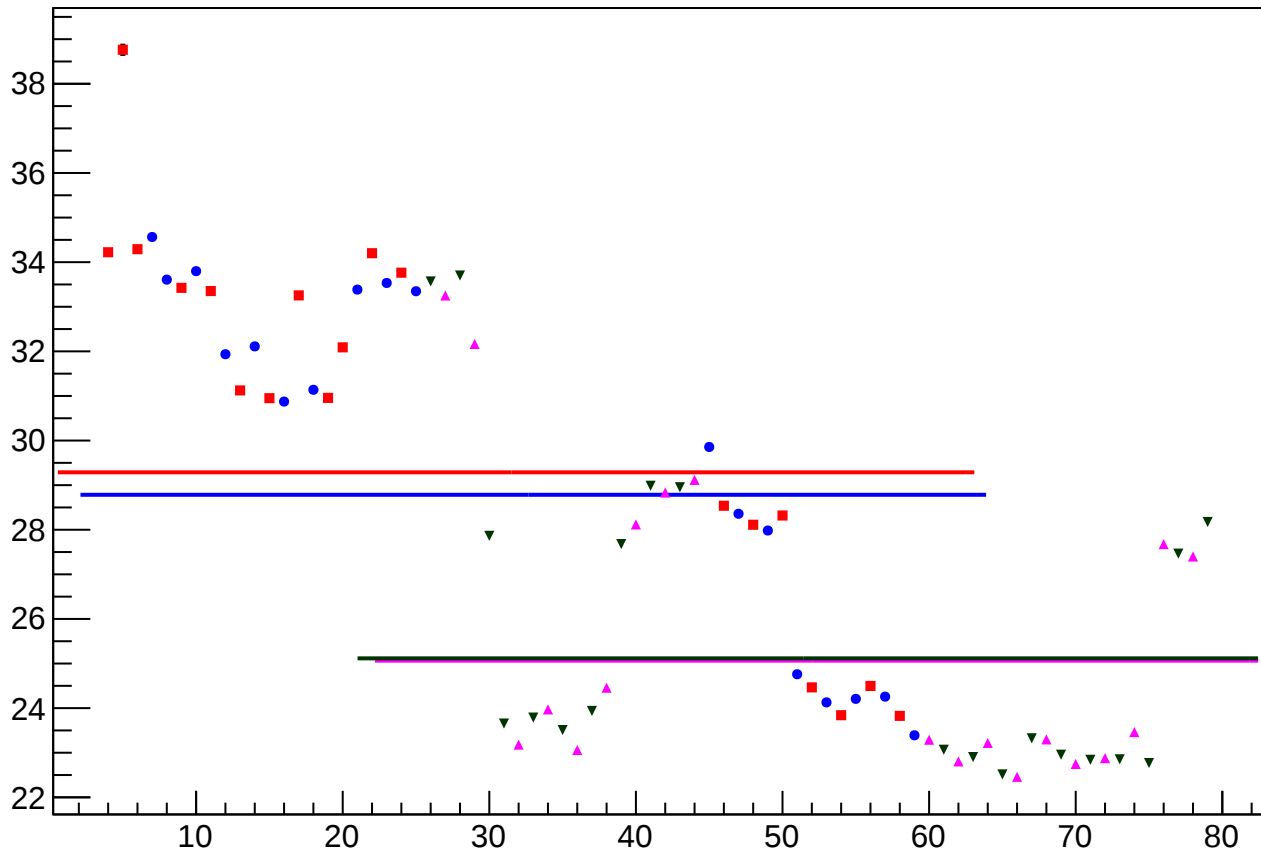
Right Out: -11.462 $\pm$ 9.405 χ^2/NDF : 14.9/18

Left In: 2.996 $\pm$ 7.719 χ^2/NDF : 17.2/18

-1.559 $\pm$ 5.803 χ^2/NDF : 26.8/37

-2.823 $\pm$ 5.967 χ^2/NDF : 33.5/37

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: 25.116 $\pm$ 0.006 χ^2/NDF : 327682.6/19

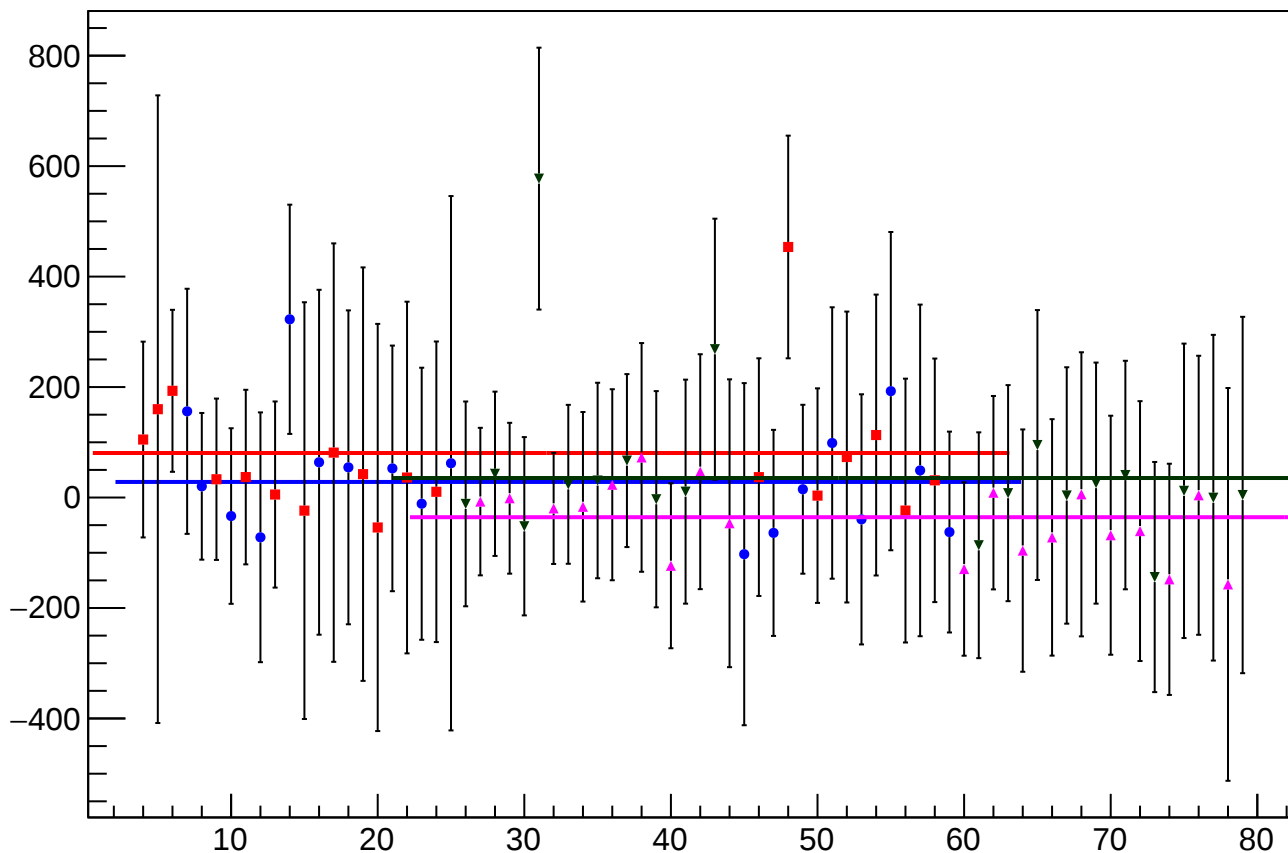
Right Out: 29.288 $\pm$ 0.007 χ^2/NDF : 355757.4/18

Left In: 25.064 $\pm$ 0.005 χ^2/NDF : 340970.2/18

26.768 $\pm$ 0.004 χ^2/NDF : 943957.0/37

26.764 $\pm$ 0.004 χ^2/NDF : 937680.7/37

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: 35.332+/-44.374 χ^2/NDF : 7.9/19

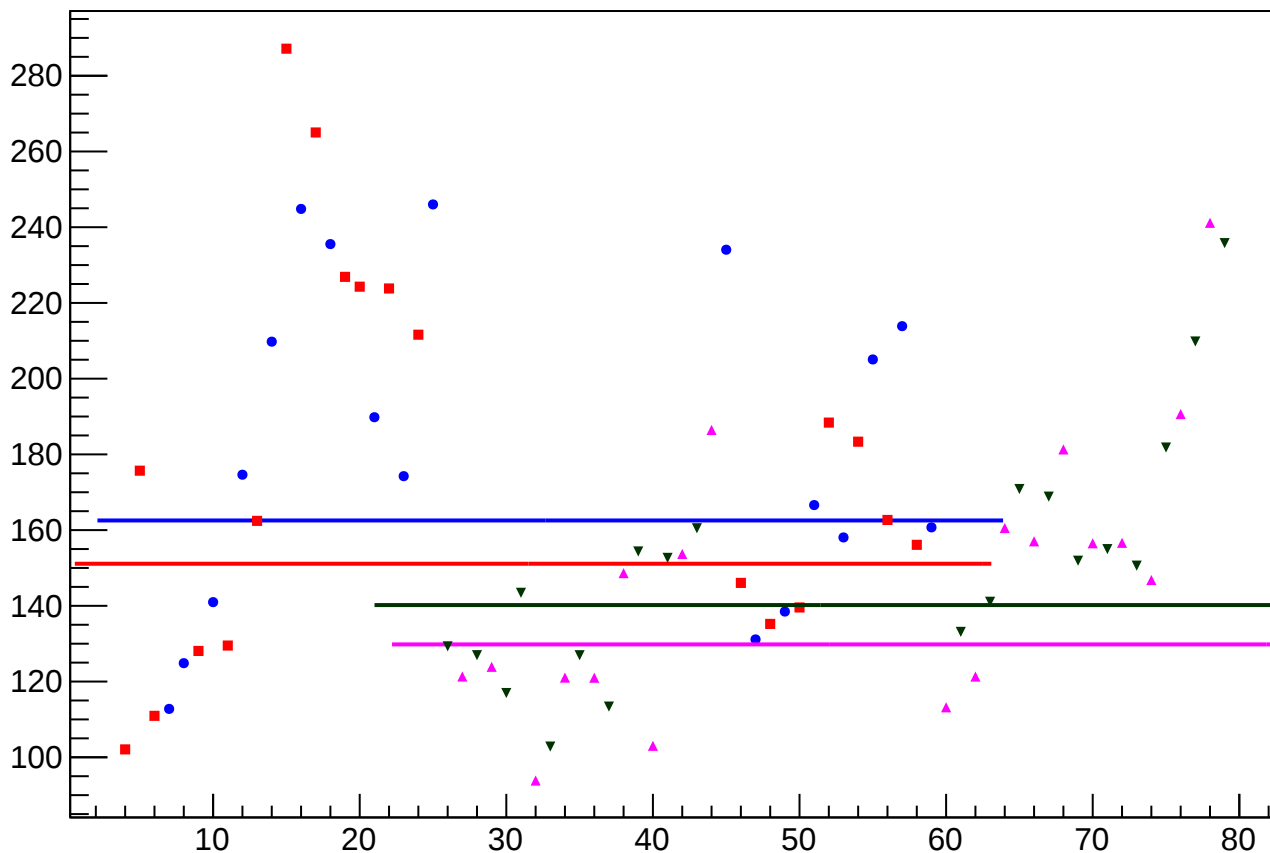
Right Out: 80.614+/-50.242 χ^2/NDF : 5.2/18

Left In: -35.623+/-40.902 χ^2/NDF : 2.1/18

32.226+/-33.291 χ^2/NDF : 11.8/37

10.708+/-31.720 χ^2/NDF : 10.5/37

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs slug



Right In: 162.548 ± 0.036 χ^2/NDF : 1089314.8/17

Left Out: 140.200 ± 0.031 χ^2/NDF : 723411.8/19

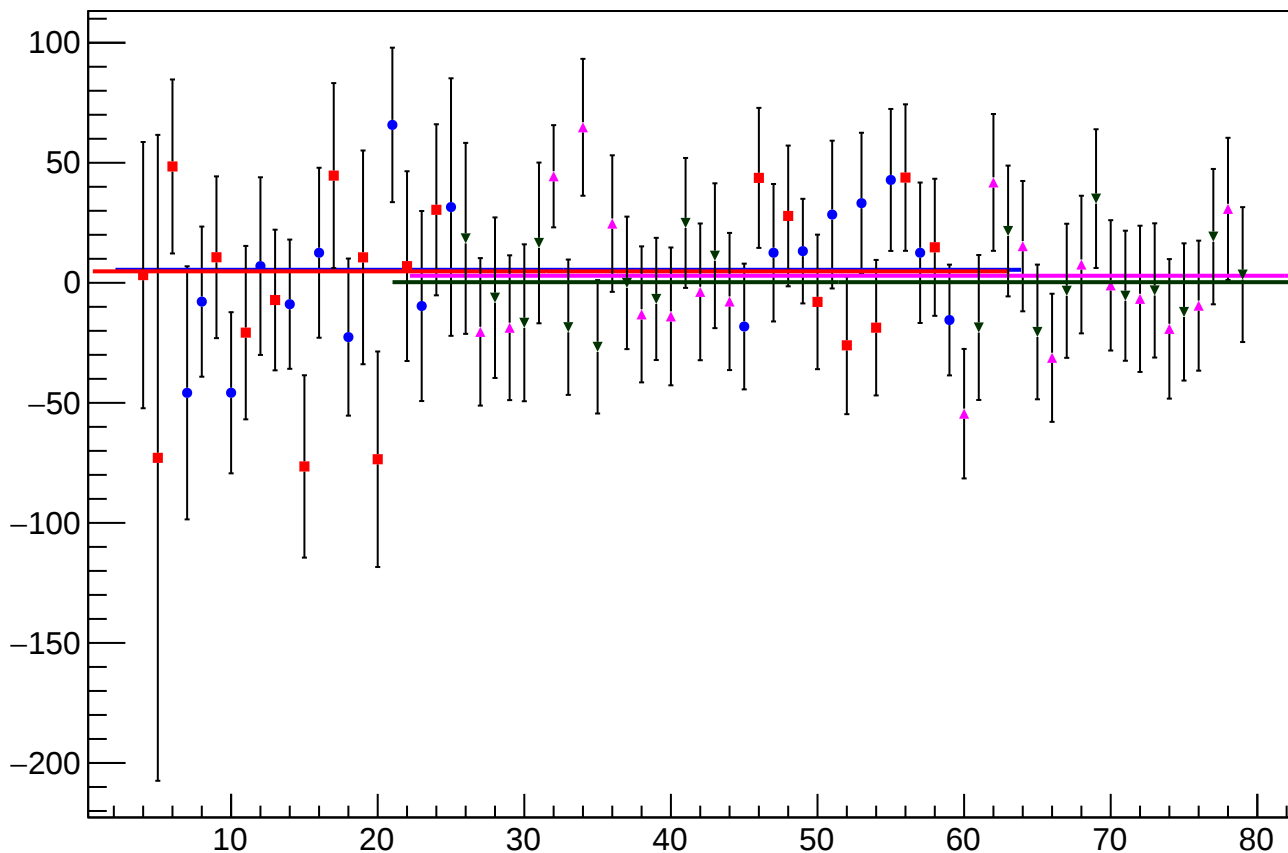
149.969 ± 0.024 χ^2/NDF : 2034478.7/37

Right Out: 151.117 ± 0.036 χ^2/NDF : 1306443.7/18

138.305 ± 0.022 χ^2/NDF : 2561747.1/37

Left In: 129.814 ± 0.029 χ^2/NDF : 1039057.0/18

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: 0.267+/-6.479 χ^2/NDF : 6.9/19

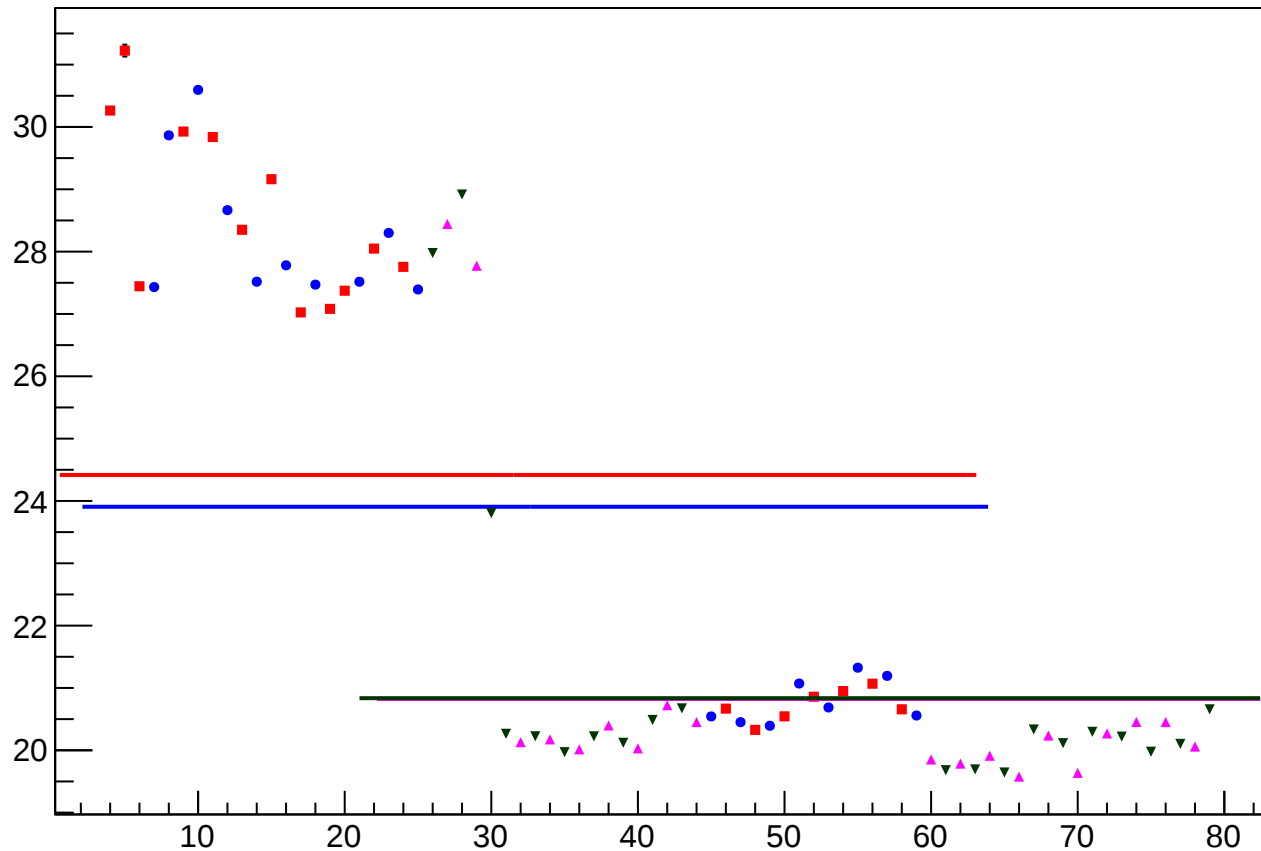
Right Out: 4.784+/-7.872 χ^2/NDF : 17.9/18

Left In: 2.943+/-6.394 χ^2/NDF : 21.1/18

2.574+/-4.818 χ^2/NDF : 20.5/37

3.675+/-4.963 χ^2/NDF : 39.1/37

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs slug



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

Left Out: 20.836+/-0.005 χ^2 /NDF:221163.5/19

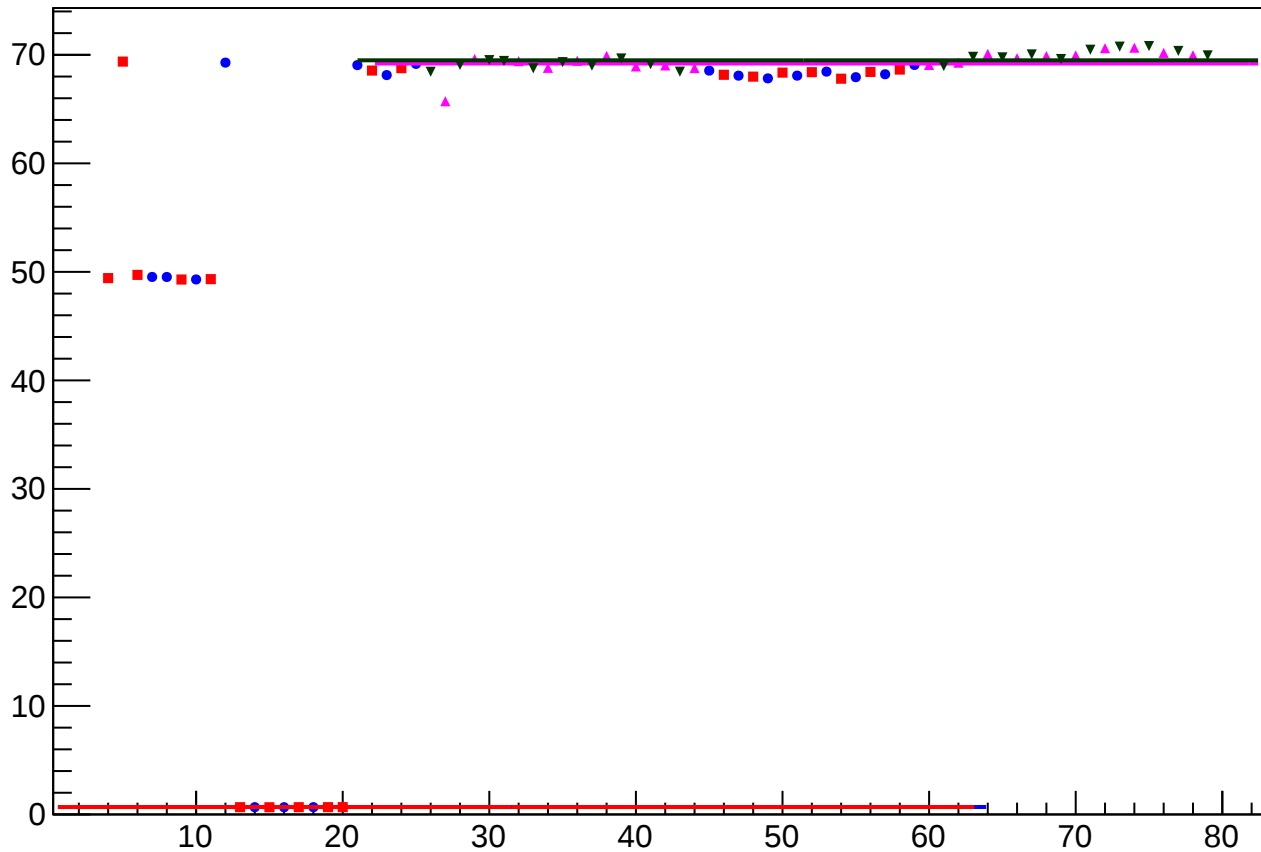
Right Out: 24.417+/-0.006 χ^2 /NDF: 496476.9/18

Left In: 20.823+/-0.005 χ^2 /NDF:255607.2/18

22.209+/-0.003 χ^2 /NDF: 987968.9/37

22.252+/-0.004 χ^2 /NDF: 1003210.8/37

yield_bcm_an_ds_mean vs slug



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

Left Out: 69.497+/-0.000 χ^2/NDF : 118263114.2/19

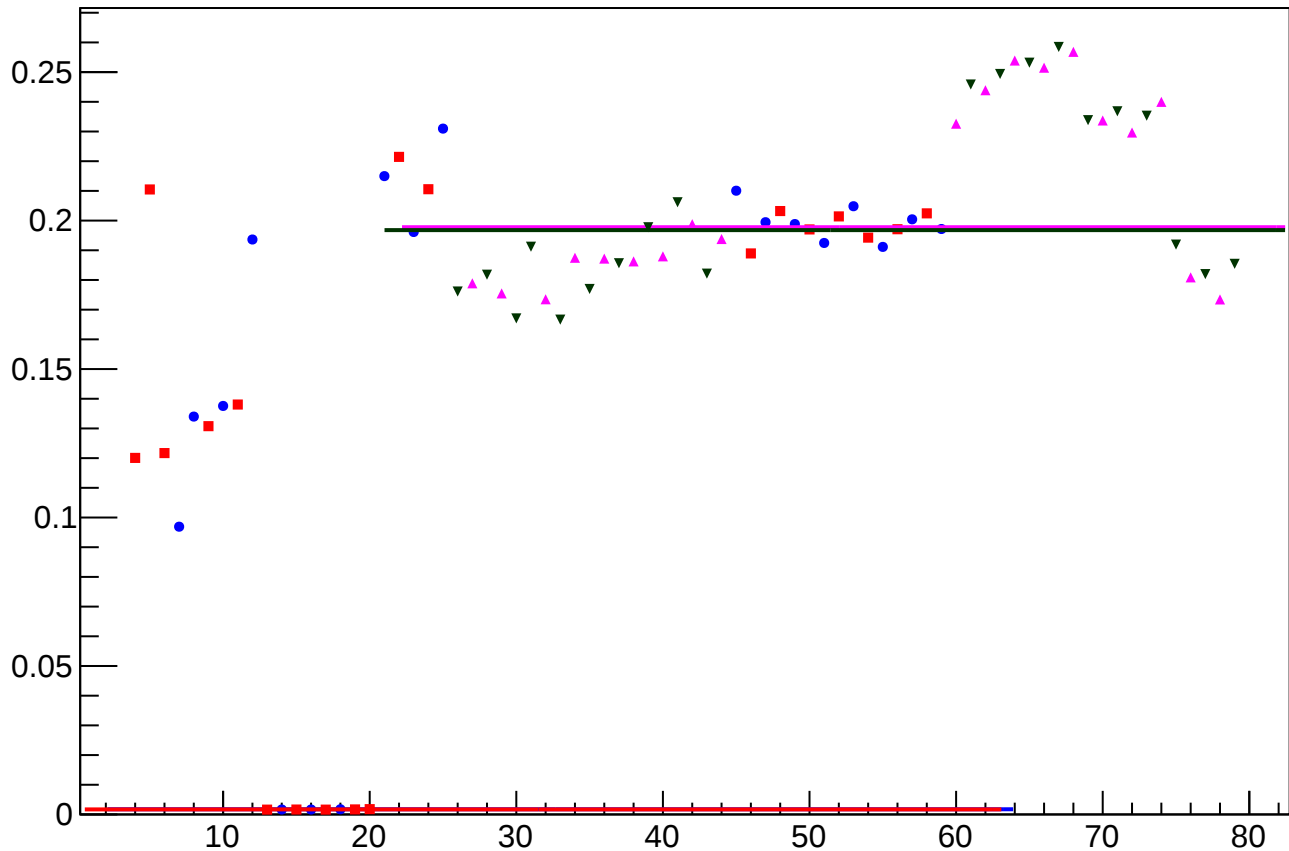
0.709+/-0.000 χ^2/NDF : 2258057132268.9/37

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

0.702+/-0.000 χ^2/NDF : 2079253024295.3/37

Left In: 69.205+/-0.000 χ^2/NDF : 406922864.4/18

yield_bcm_an_ds_rms vs slug



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

Left Out: 0.197 $\pm$ 0.000 χ^2 /NDF:393830.8/19

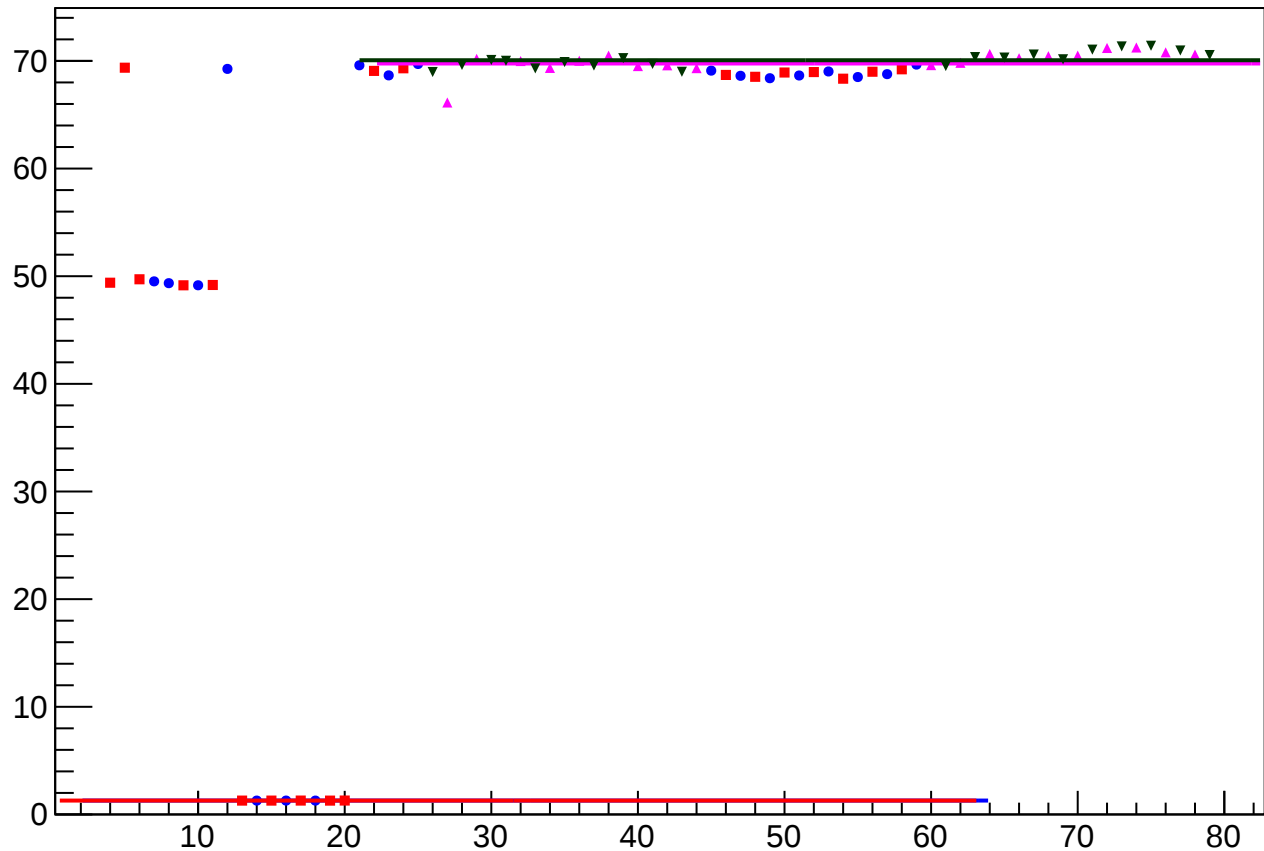
Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 13510450.3/18

Left In: 0.198 $\pm$ 0.000 χ^2 /NDF:401899.2/18

0.002 $\pm$ 0.000 χ^2 /NDF: 36911974.9/37

0.002 $\pm$ 0.000 χ^2 /NDF: 34102672.7/37

yield_bcm_an_ds3_mean vs slug



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

Left Out: 70.062+/-0.000 χ^2/NDF : 118358428.8/19

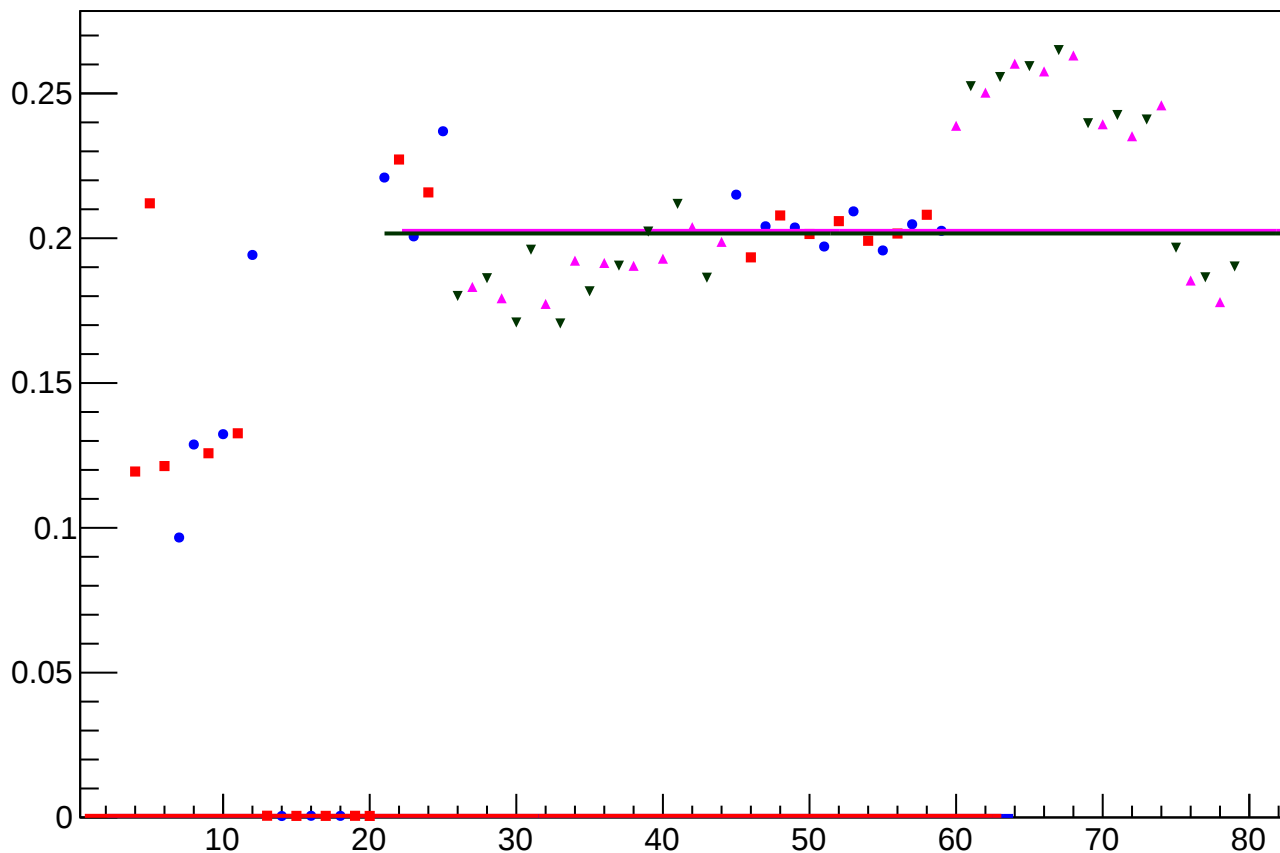
Right Out: 1.290+/-0.000 χ^2/NDF : 826763948171.6/18

Left In: 69.760+/-0.000 χ^2/NDF : 418039720.2/18

1.293+/-0.000 χ^2/NDF : 2171909040990.2/37

1.292+/-0.000 χ^2/NDF : 2000984288303.5/37

yield_bcm_an_ds3_rms vs slug



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

Left Out: 0.202 $\pm$ 0.000 χ^2 /NDF:395912.0/19

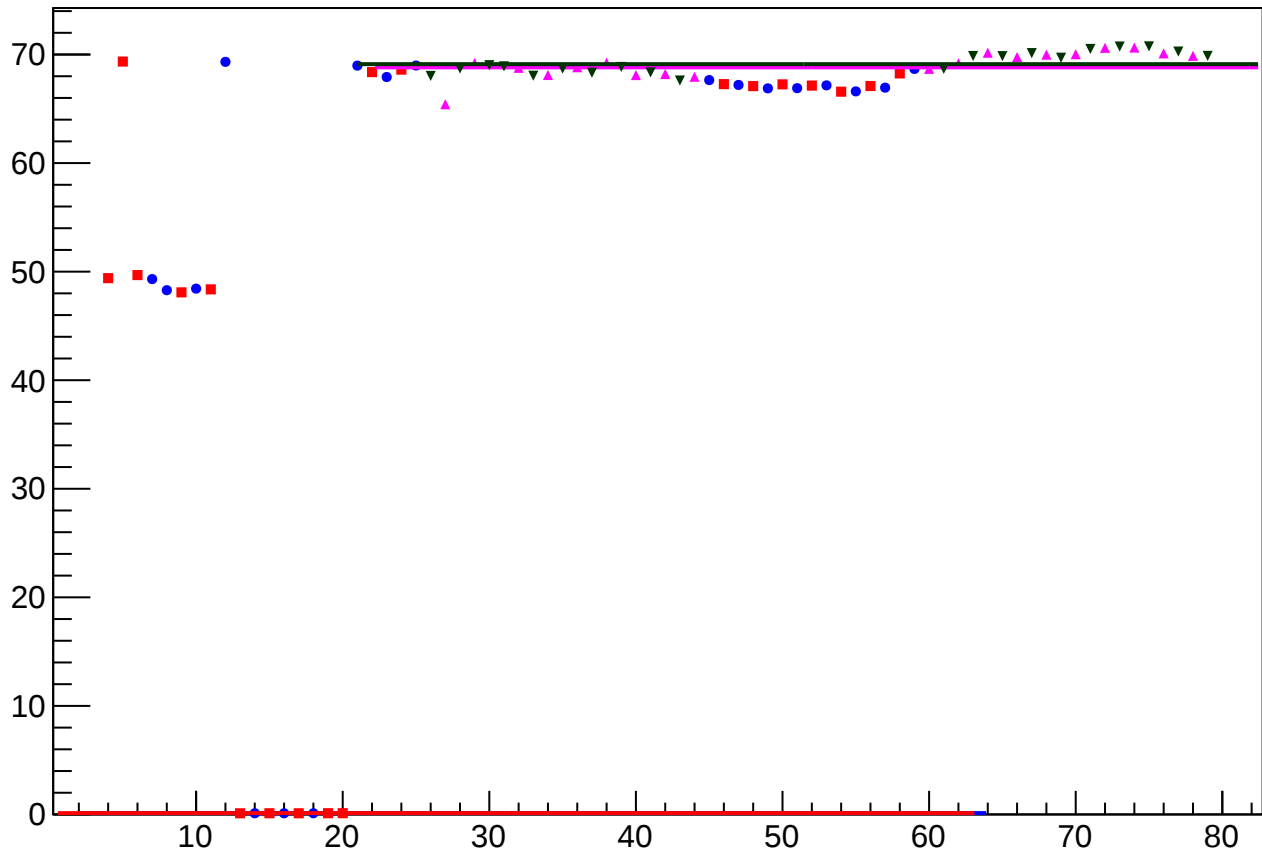
Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 13695888.0/18

Left In: 0.203 $\pm$ 0.000 χ^2 /NDF:405288.3/18

0.001 $\pm$ 0.000 χ^2 /NDF: 37408513.0/37

0.001 $\pm$ 0.000 χ^2 /NDF: 34528633.0/37

yield_bcm_an_us_mean vs slug



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

Left Out: 69.112+/-0.000 χ^2/NDF : 224575688.1/19

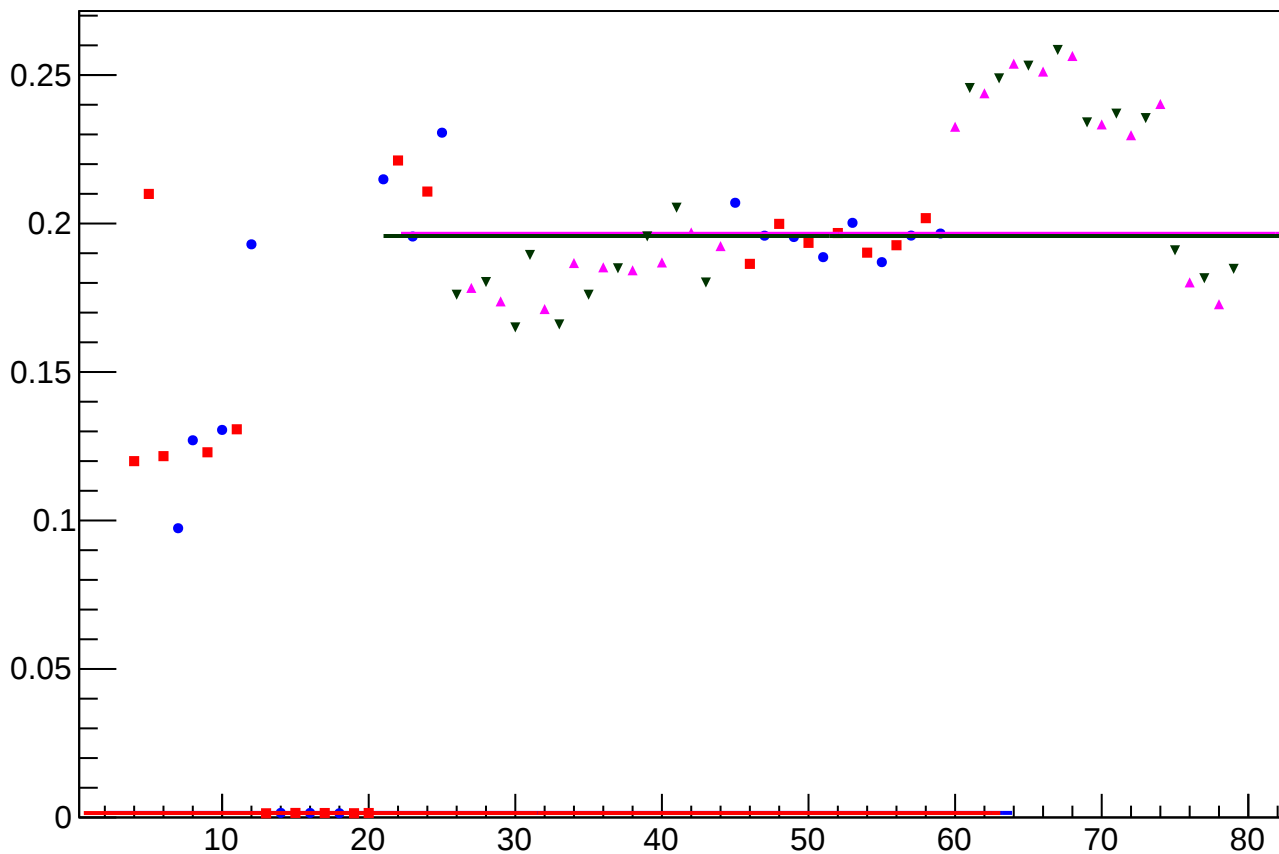
0.143+/-0.000 χ^2/NDF : 2308170398240.8/37

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

0.136+/-0.000 χ^2/NDF : 2130395035440.1/37

Left In: 68.818+/-0.000 χ^2/NDF : 481537102.0/18

yield_bcm_an_us_rms vs slug



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

Left Out: 0.196 $\pm$ 0.000 χ^2 /NDF:407335.1/19

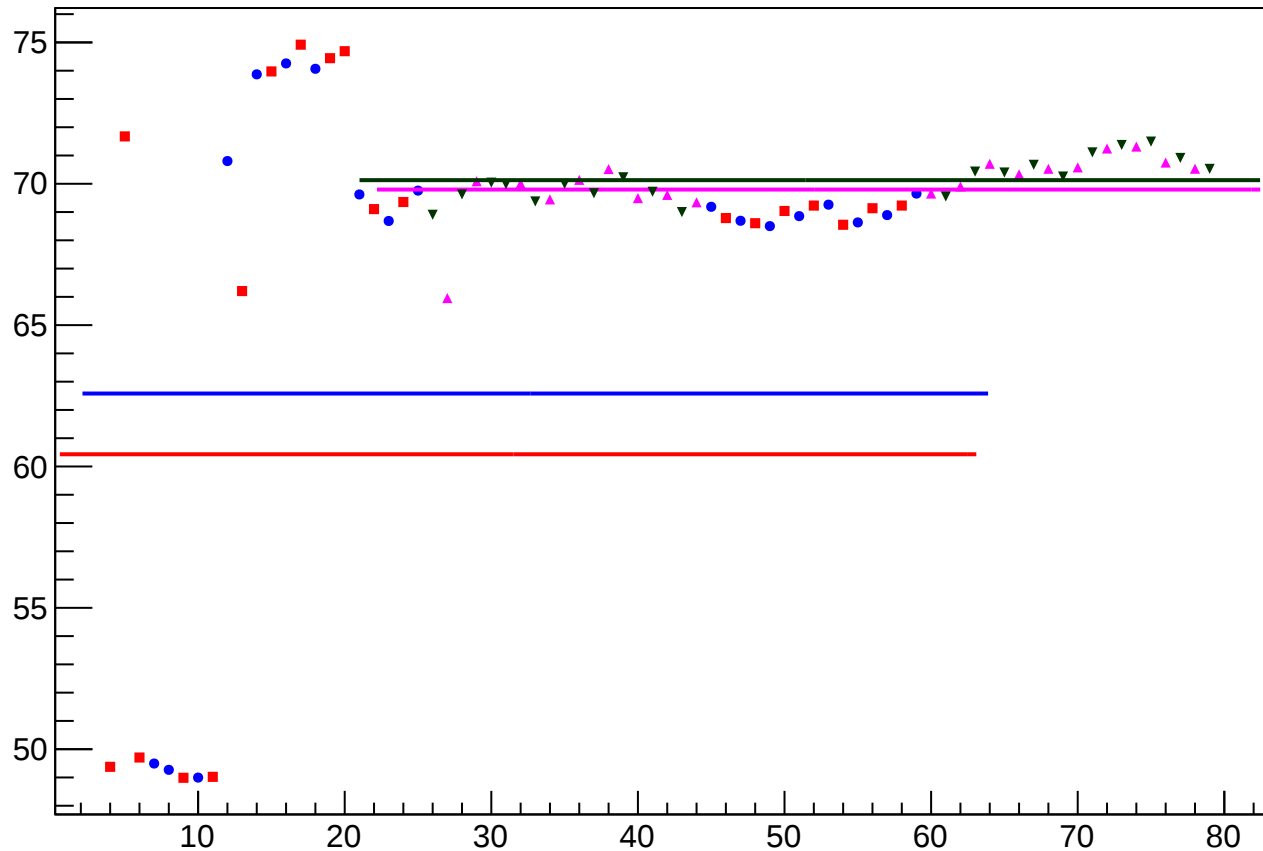
0.002 $\pm$ 0.000 χ^2 /NDF: 36960370.5/37

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

0.002 $\pm$ 0.000 χ^2 /NDF: 34168242.8/37

Left In: 0.197 $\pm$ 0.000 χ^2 /NDF:419842.6/18

yield_bcm_dg_us_mean vs slug



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

Left Out: 70.128 ± 0.000 χ^2/NDF : 119489461.0/19

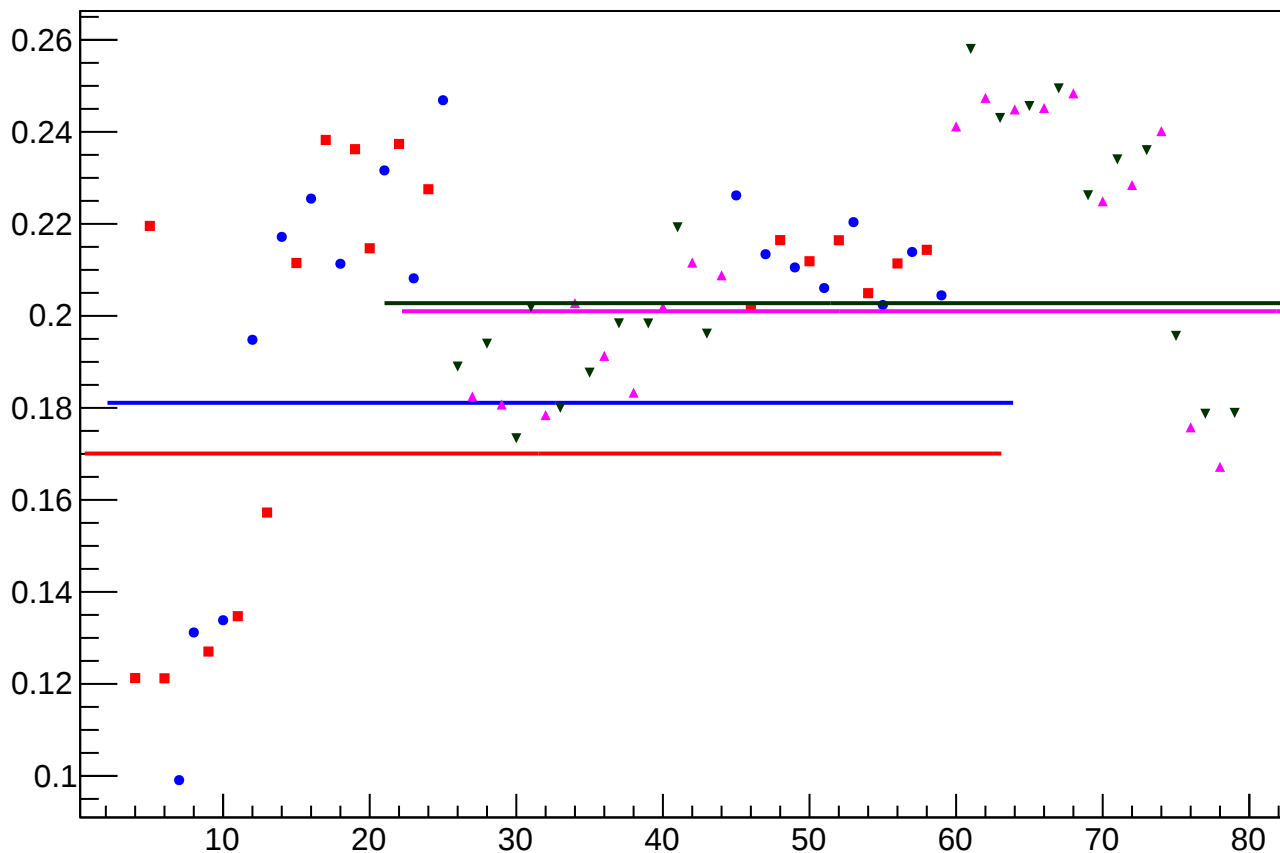
65.884 ± 0.000 χ^2/NDF : 41626057223.0/37

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

64.677 ± 0.000 χ^2/NDF : 45613624111.7/37

Left In: 69.796 ± 0.000 χ^2/NDF : 460216468.9/18

yield_bcm_dg_us_rms vs slug



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

Left Out: 0.203+/-0.000 χ^2/NDF : 290047.2/19

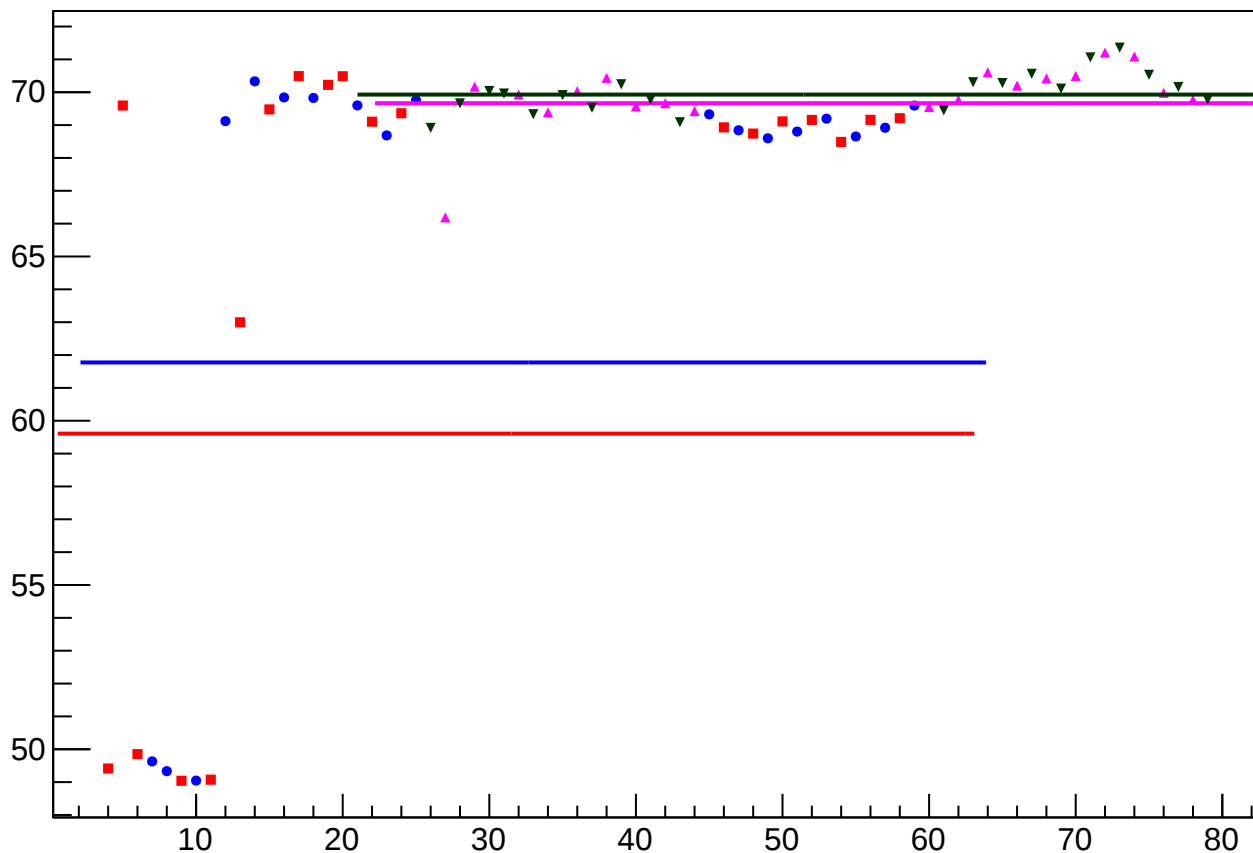
Right Out: 0.170+/-0.000 χ^2/NDF : 1183604.4/18

Left In: 0.201+/-0.000 χ^2/NDF : 358573.8/18

0.191+/-0.000 χ^2/NDF : 1635172.3/37

0.184+/-0.000 χ^2/NDF : 1807941.2/37

yield_bcm_dg_ds_mean vs slug



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

Left Out: 69.928 $\pm$ 0.000 χ^2 /NDF: 77827229.4/19

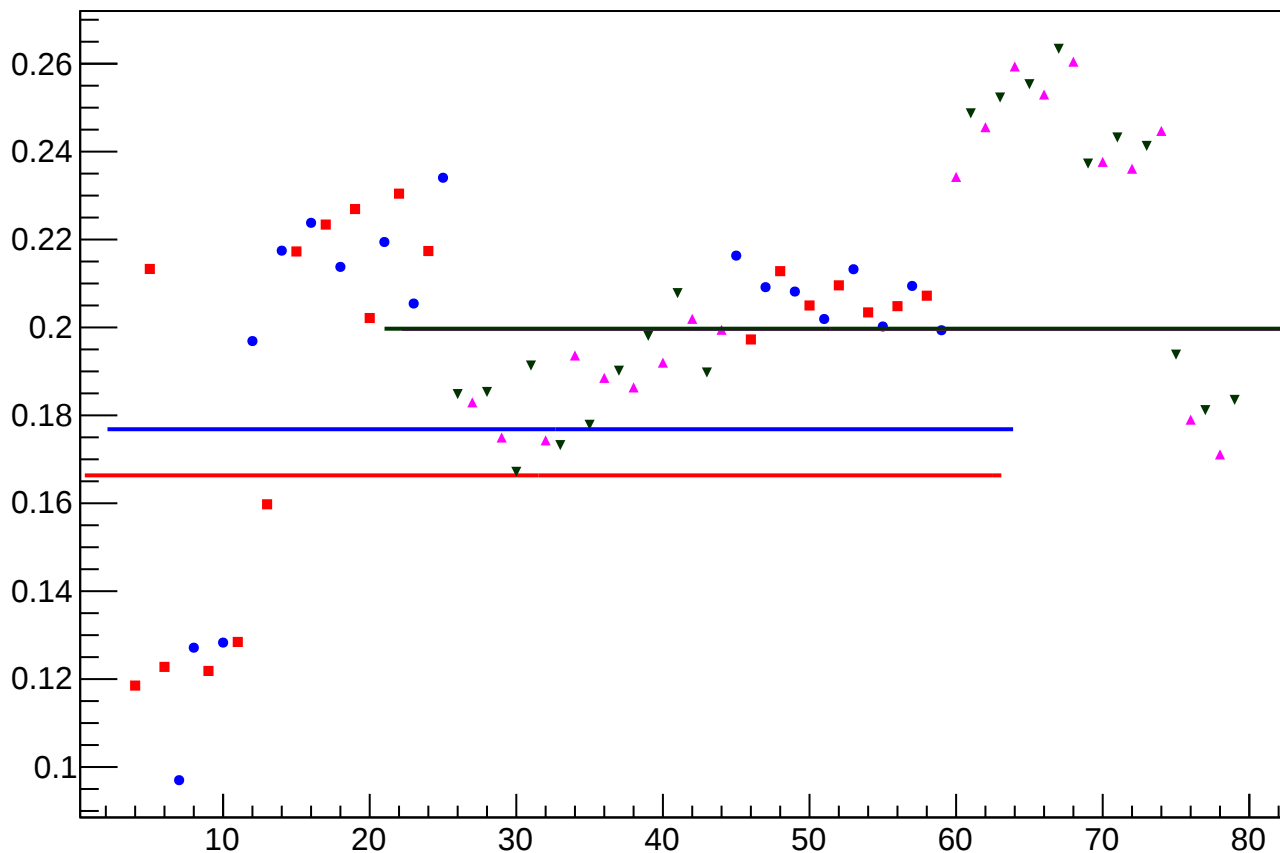
Right Out: 59.608 $\pm$ 0.000 χ^2 /NDF: 29547406430.8/18

Left In: 69.666 $\pm$ 0.000 χ^2 /NDF: 371979524.2/18

65.302 $\pm$ 0.000 χ^2 /NDF: 40498913042.3/37

64.087 $\pm$ 0.000 χ^2 /NDF: 44360902973.8/37

yield_bcm_dg_ds_rms vs slug



Right In: 0.177 $\pm$ 0.000 χ^2 /NDF: 1276663.3/17

Left Out: 0.200 $\pm$ 0.000 χ^2 /NDF:394329.4/19

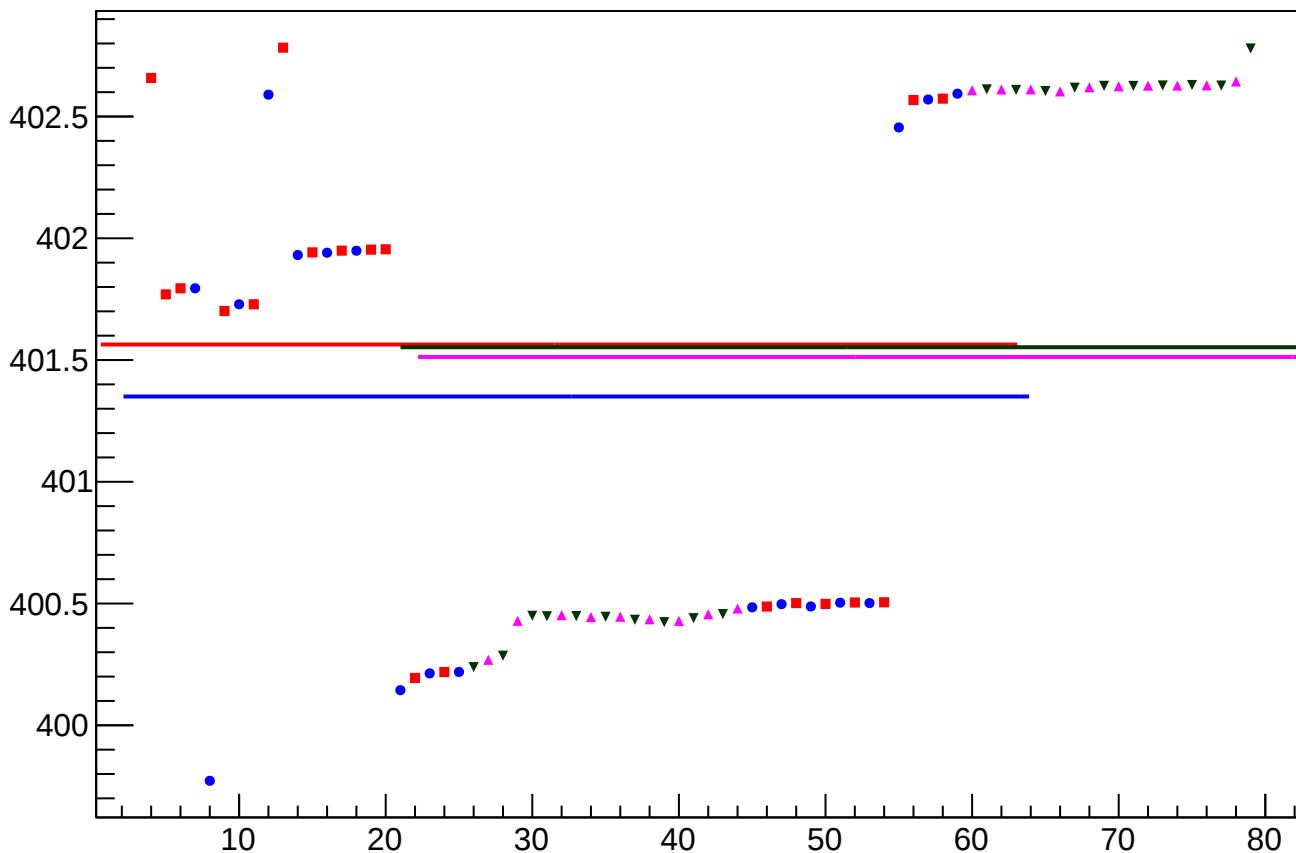
Right Out: 0.166 $\pm$ 0.000 χ^2 /NDF: 1156468.8/18

Left In: 0.200 $\pm$ 0.000 χ^2 /NDF:428764.6/18

0.187 $\pm$ 0.000 χ^2 /NDF: 1819738.7/37

0.181 $\pm$ 0.000 χ^2 /NDF: 1901800.9/37

yield_cav4bQ_mean vs slug



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

Left Out: 401.553+/-0.000 χ^2/NDF : 298337493937.2/19

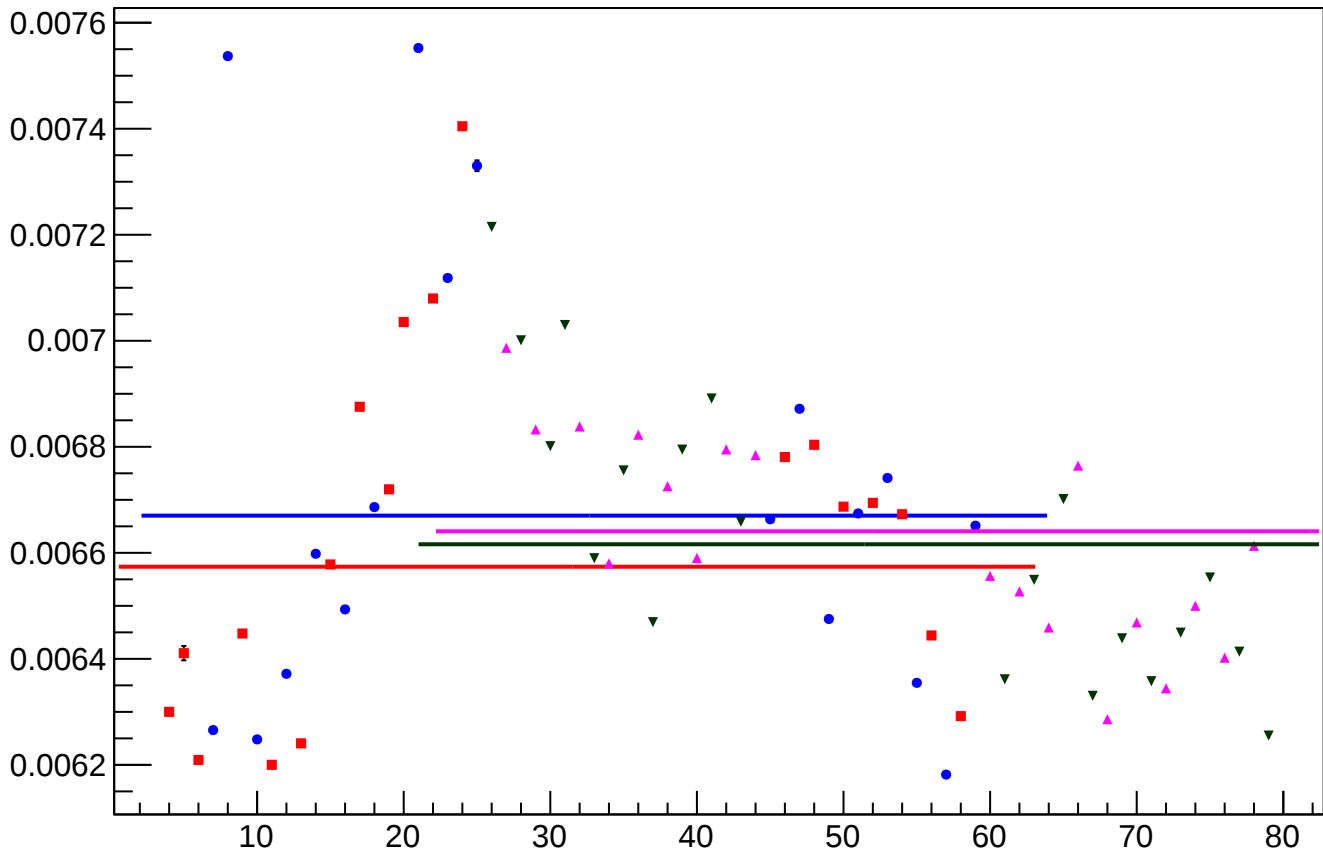
Right Out: 401.564+/-0.000 χ^2/NDF : 183973928948.5/18

Left In: 401.512+/-0.000 χ^2/NDF : 294390959601.8/18

401.449+/-0.000 χ^2/NDF : 538447104392.9/37

401.537+/-0.000 χ^2/NDF : 478676703184.0/37

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 :30172.1/19

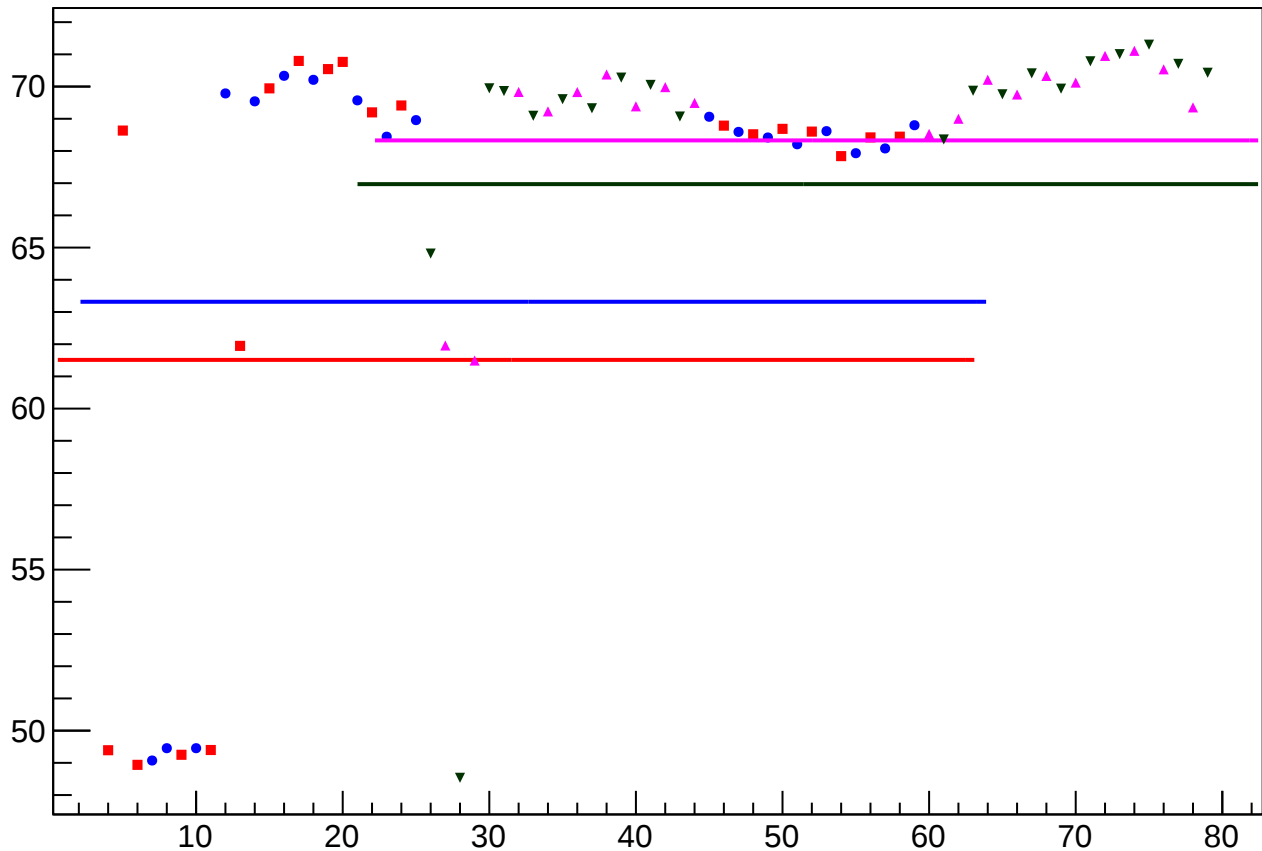
Right Out: 0.007+/-0.000 χ^2/NDF : 47681.9/18

Left In: 0.007+/-0.000 χ^2/NDF :18647.4/18

0.007+/-0.000 χ^2/NDF : 107570.3/37

0.007+/-0.000 χ^2/NDF : 67385.6/37

yield_cav4cQ_mean vs slug



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

Left Out: 66.970+/-0.000 χ^2/NDF : 10454323026.3/19

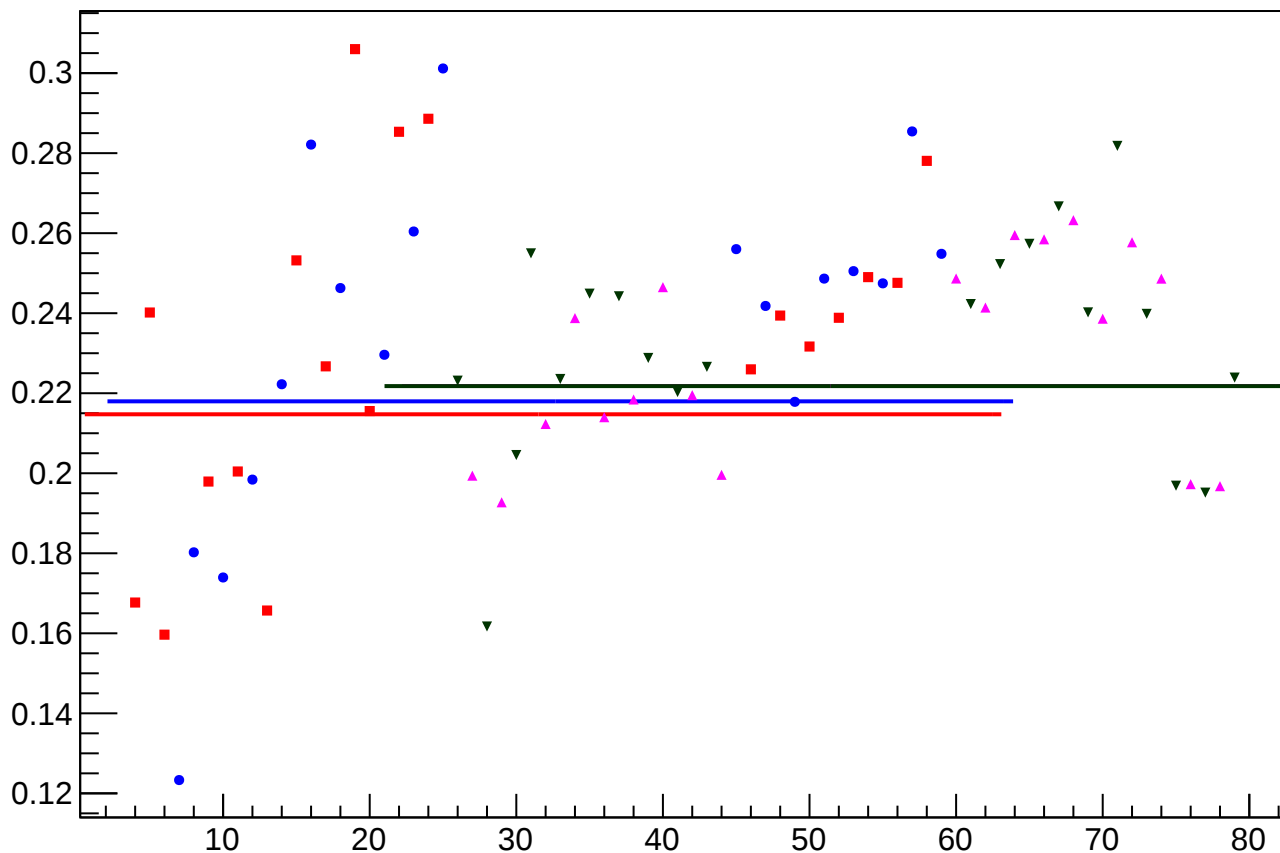
Right Out: 61.513+/-0.000 χ^2/NDF : 15349624825.1/18

Left In: 68.328+/-0.000 χ^2/NDF : 2127014359.2/18

65.072+/-0.000 χ^2/NDF : 28857037434.1/37

65.058+/-0.000 χ^2/NDF : 21976978395.9/37

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 : 386383.0/19

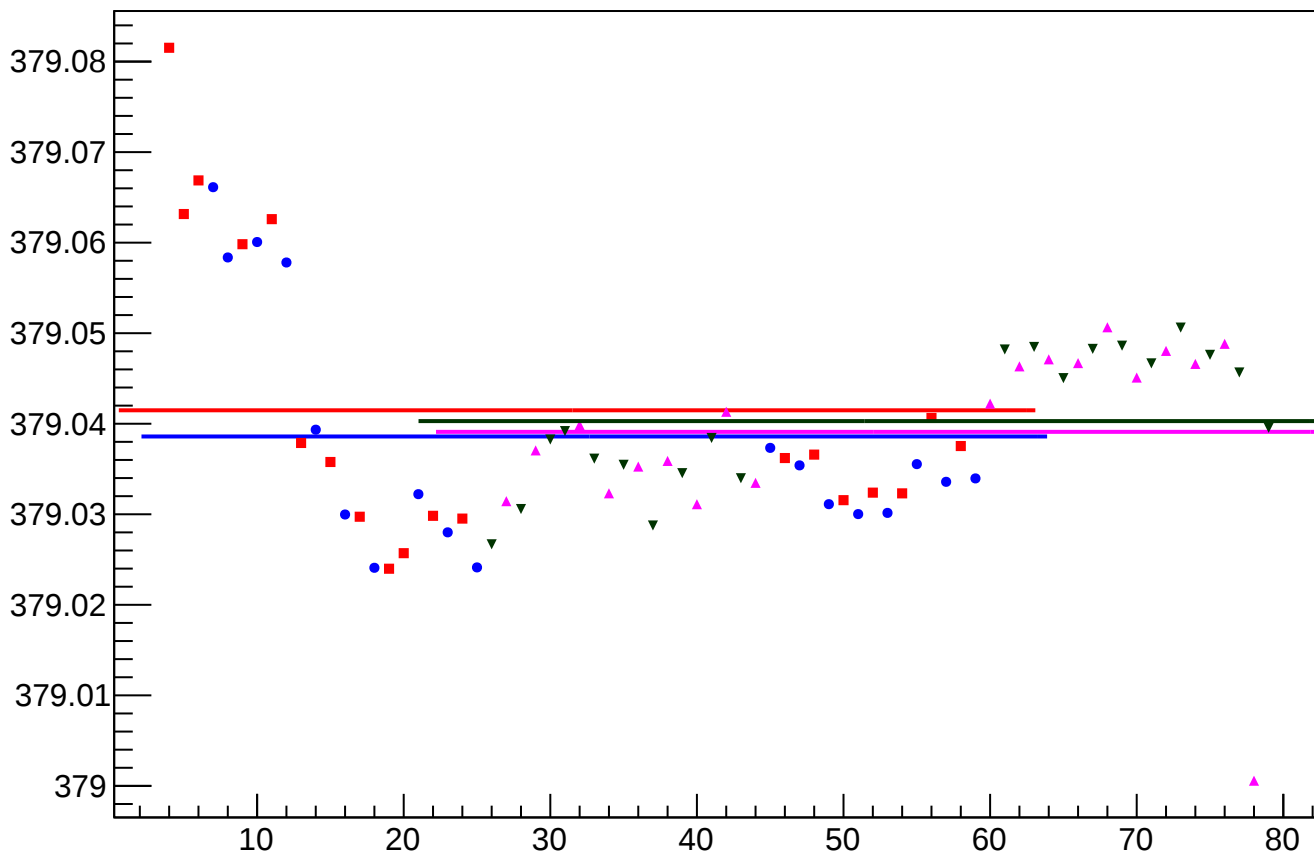
Right Out: 0.215 ± 0.000 χ^2/NDF : 631176.3/18

Left In: 0.222 ± 0.000 χ^2/NDF : 232660.6/18

0.220 ± 0.000 χ^2/NDF : 1123961.1/37

0.218 ± 0.000 χ^2/NDF : 873522.2/37

yield_cav4dQ_mean vs slug



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

Left Out: 379.040 ± 0.000 χ^2/NDF : 11895755.3/19

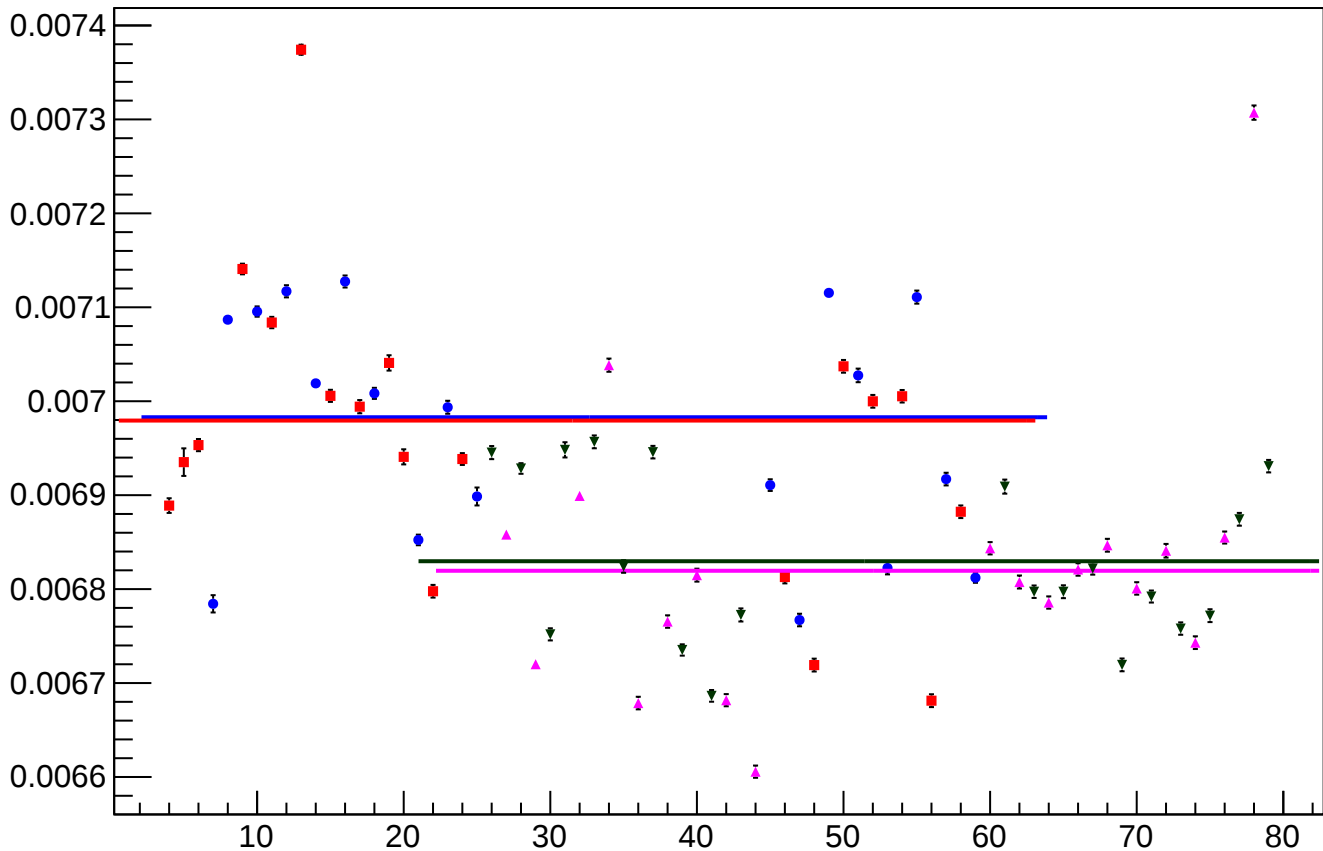
Right Out: 379.041 ± 0.000 χ^2/NDF : 46280794.1/18

Left In: 379.039 ± 0.000 χ^2/NDF : 22146869.9/18

379.039 ± 0.000 χ^2/NDF : 46000577.1/37

379.040 ± 0.000 χ^2/NDF : 69043345.3/37

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 : 3340.5/19

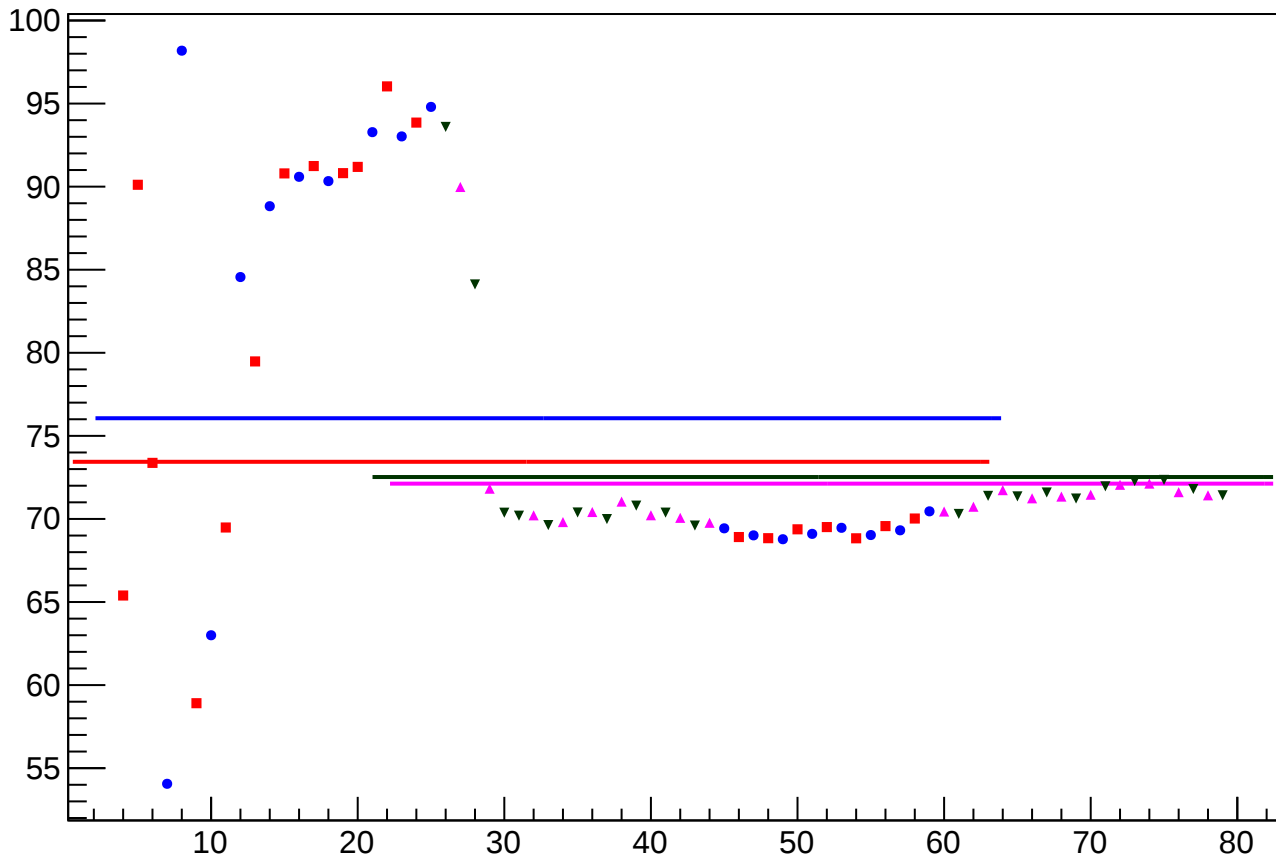
0.007 ± 0.000 χ^2/NDF : 15393.3/37

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

0.007 ± 0.000 χ^2/NDF : 25288.4/37

Left In: 0.007 ± 0.000 χ^2/NDF : 7983.3/18

yield_bcm0l02_mean vs slug



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

Left Out: 72.523+/-0.000 χ^2 /NDF: 3830370248.0/19

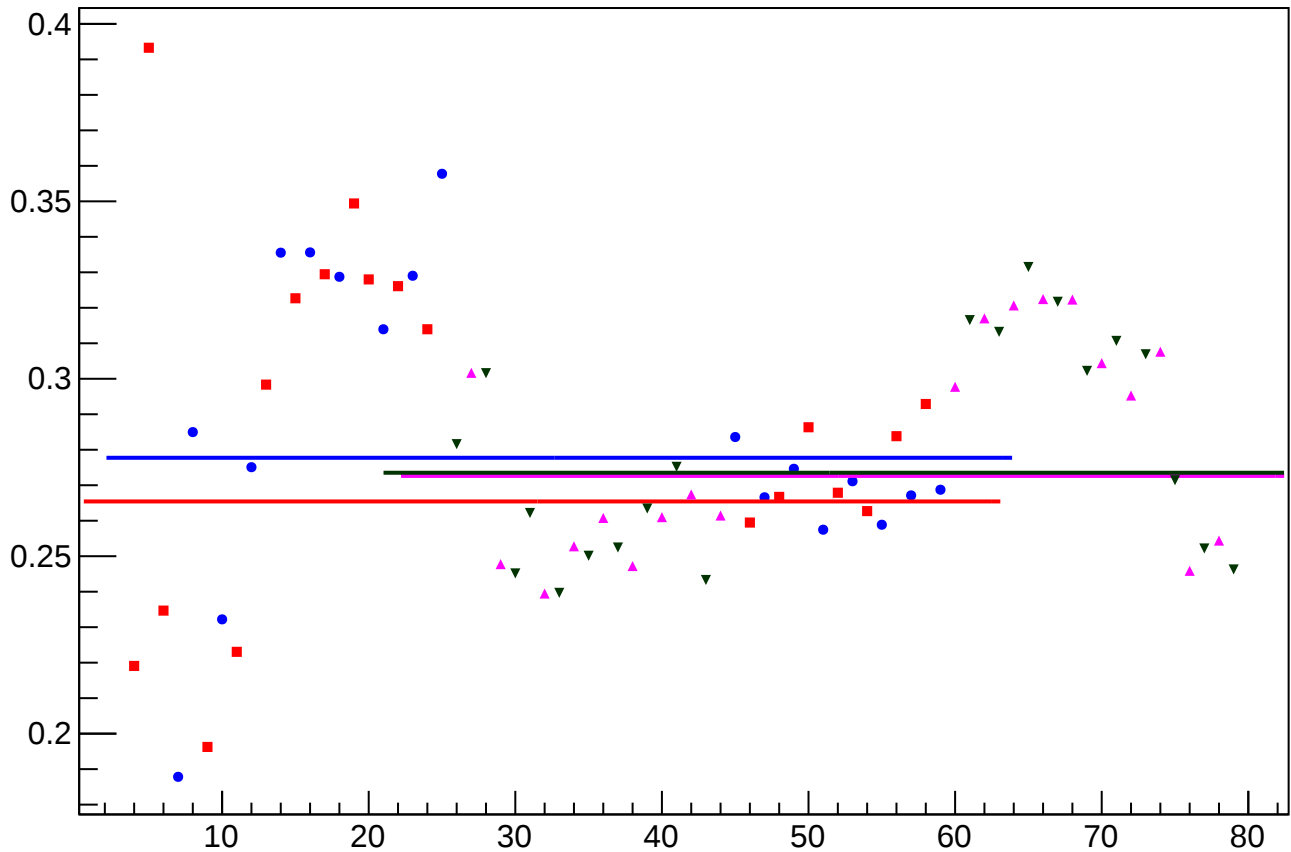
Right Out: 73.439+/-0.000 χ^2 /NDF: 14741427319.0/18

Left In: 72.124+/-0.000 χ^2 /NDF: 2990236609.7/18

74.309+/-0.000 χ^2 /NDF: 25439663869.2/37

72.754+/-0.000 χ^2 /NDF: 17843878230.6/37

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 : 215020.7/19

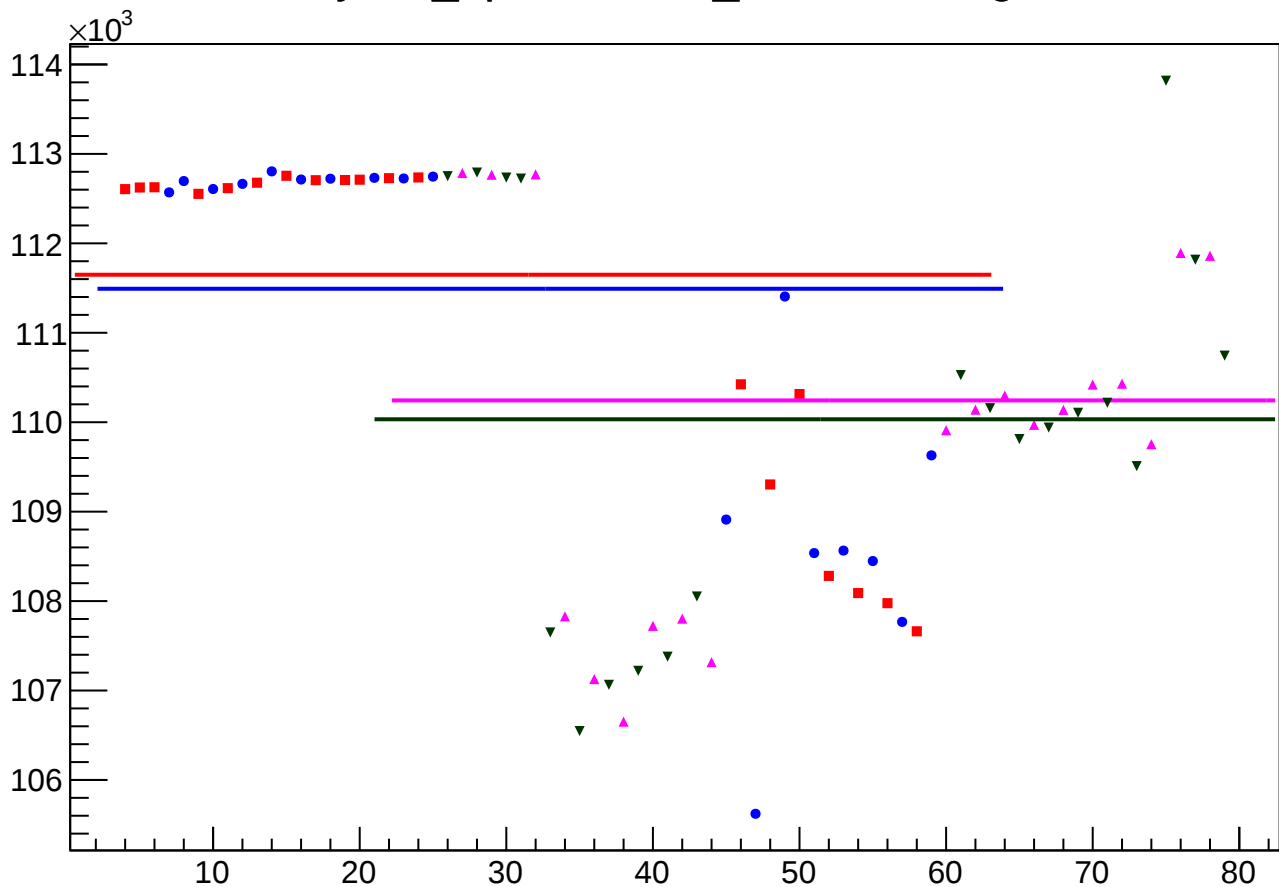
0.276+/-0.000 χ^2/NDF : 587599.3/37

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

0.269+/-0.000 χ^2/NDF : 737553.4/37

Left In: 0.273+/-0.000 χ^2/NDF : 227252.3/18

yield_bpm2i01WS_mean vs slug



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

Left Out: 110032.963 $\pm$ 0.040 χ^2 /NDF: 3122839573.4/19

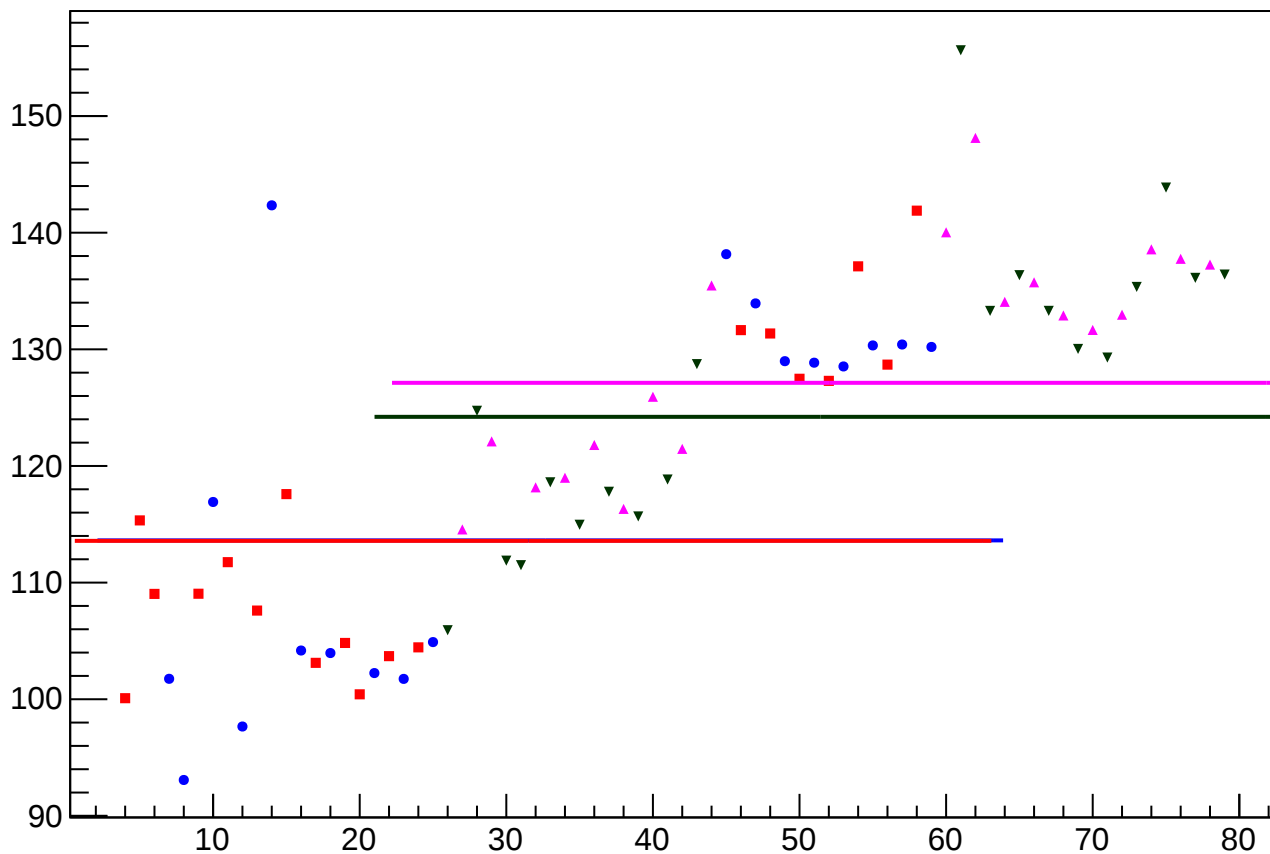
Right Out: 111648.935 $\pm$ 0.037 χ^2 /NDF: 2298631932.7/18

Left In: 110243.859 $\pm$ 0.041 χ^2 /NDF: 2754768895.4/18

110867.815 $\pm$ 0.026 χ^2 /NDF: 7040723829.2/37

111005.568 $\pm$ 0.027 χ^2 /NDF: 5705380338.1/37

yield_bpm2i01WS_rms vs slug



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

Left Out: 124.213 $\pm$ 0.029 χ^2 /NDF: 148887.5/19

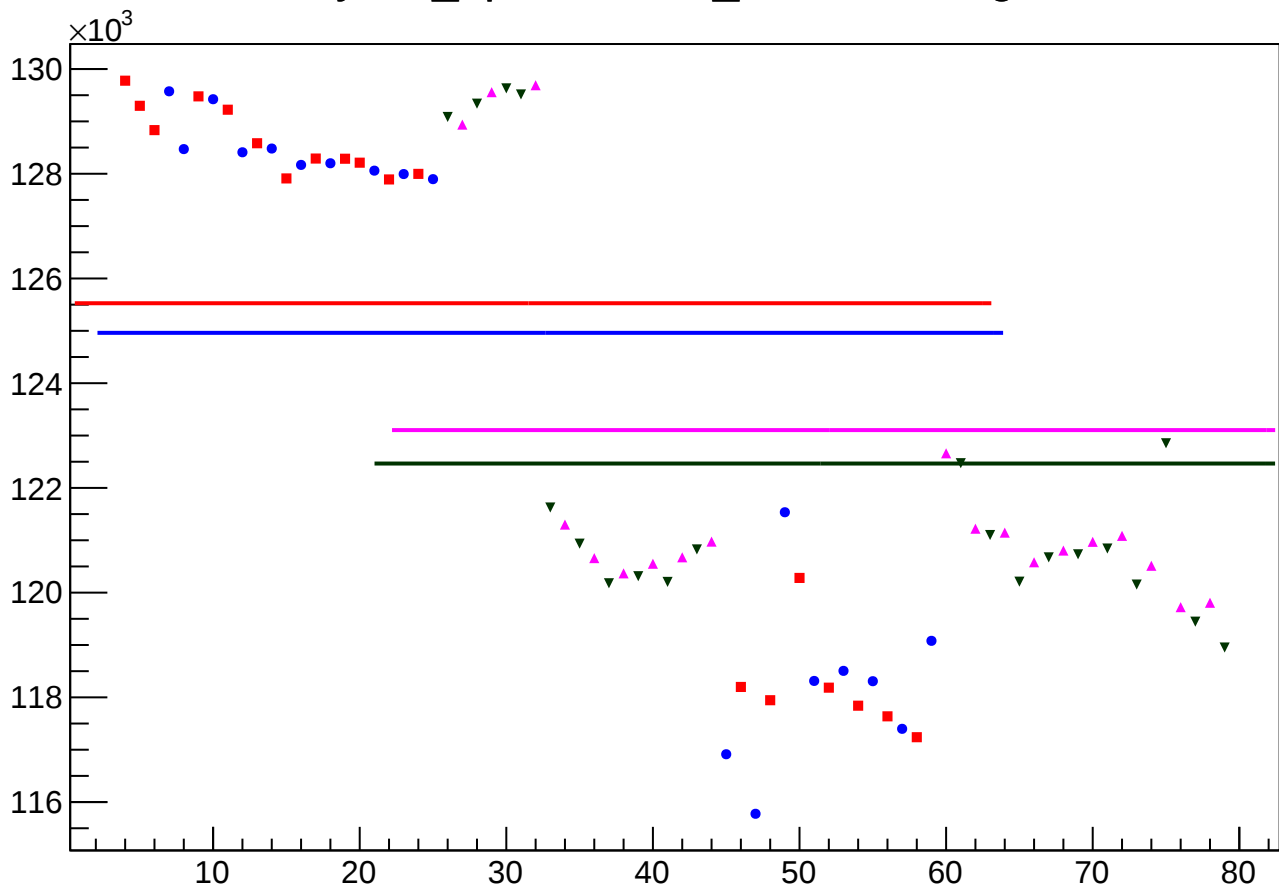
Right Out: 113.579 $\pm$ 0.026 χ^2 /NDF: 206805.2/18

Left In: 127.129 $\pm$ 0.029 χ^2 /NDF: 102065.6/18

118.152 $\pm$ 0.019 χ^2 /NDF: 649885.7/37

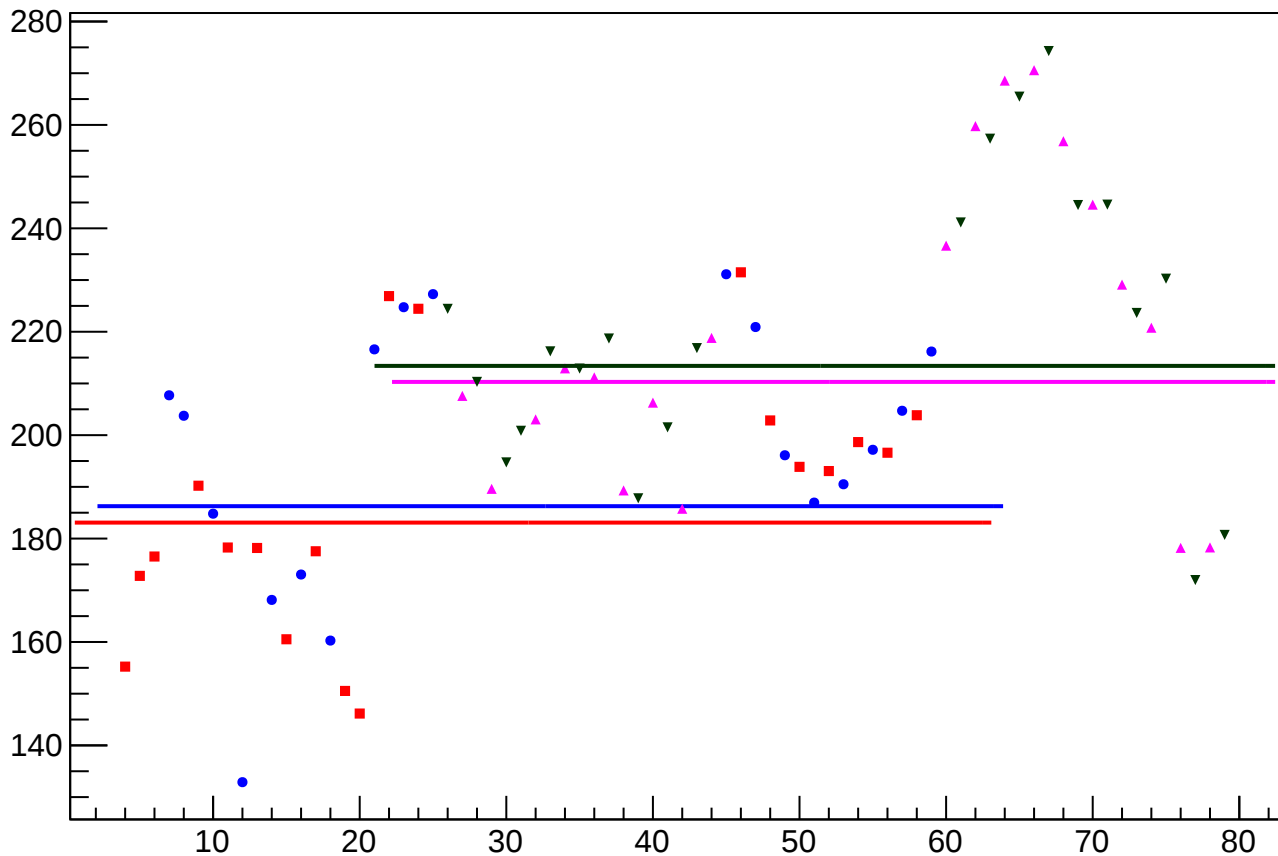
119.784 $\pm$ 0.019 χ^2 /NDF: 430128.5/37

yield_bpm0i07WS_mean vs slug



Right In: 124961.680 $\pm$ 0.057	χ^2 /NDF: 7216201458.1/17	123924.733 $\pm$ 0.043	χ^2 /NDF: 11173550538.2/3
Left Out: 122465.594 $\pm$ 0.067	χ^2 /NDF: 3154698427.9/19	124425.277 $\pm$ 0.044	χ^2 /NDF: 10950820372.0/3
Right Out: 125527.018 $\pm$ 0.060	χ^2 /NDF: 6545248421.9/18		
Left In: 123104.270 $\pm$ 0.065	χ^2 /NDF: 3652740487.5/18		

yield_bpm0i07WS_rms vs slug



Right In: 186.263 ± 0.040 $\chi^2/\text{NDF}: 462392.0/17$

Left Out: 213.397 ± 0.048 $\chi^2/\text{NDF}: 307367.4/19$

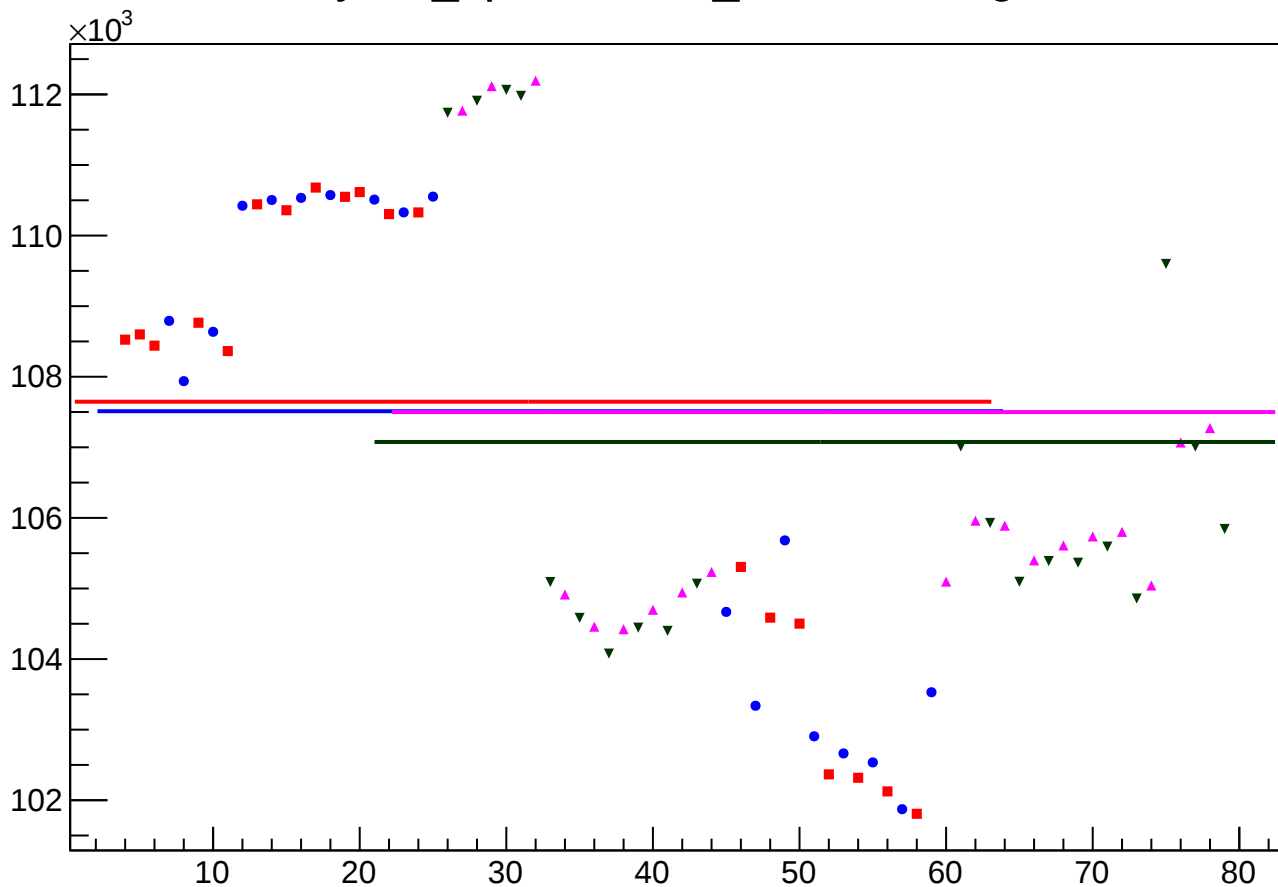
Right Out: 183.088 ± 0.042 $\chi^2/\text{NDF}: 276420.3/18$

Left In: 210.299 ± 0.046 $\chi^2/\text{NDF}: 328016.0/18$

197.535 ± 0.031 $\chi^2/\text{NDF}: 959454.0/37$

195.462 ± 0.031 $\chi^2/\text{NDF}: 794361.2/37$

yield_bpm0l01WS_mean vs slug



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

Left Out: 107075.898 $\pm$ 0.040 χ^2 /NDF: 5958571230.8/19

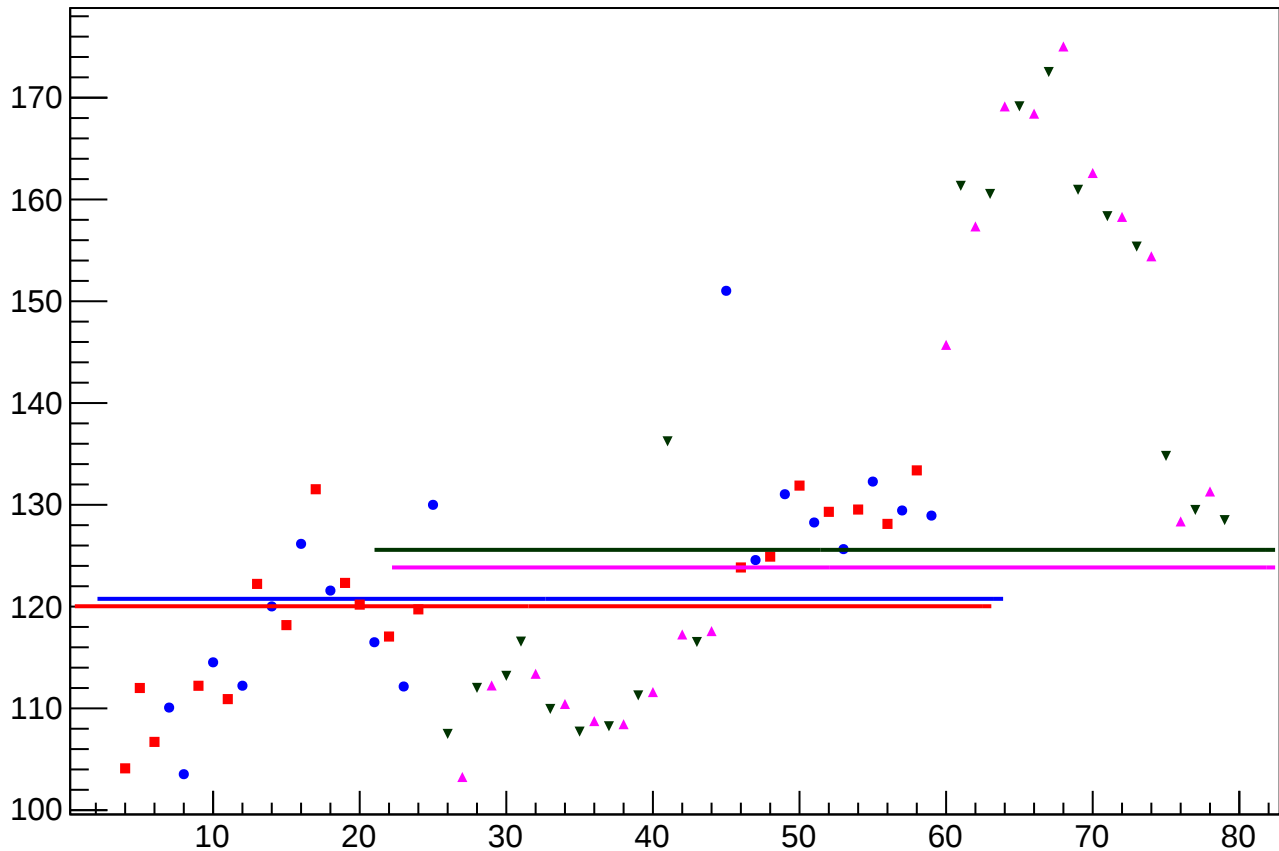
Right Out: 107646.372 $\pm$ 0.039 χ^2 /NDF: 6547636060.9/18

Left In: 107499.401 $\pm$ 0.039 χ^2 /NDF: 6820758701.3/18

107312.847 $\pm$ 0.027 χ^2 /NDF: 13568514090.2/3

107572.489 $\pm$ 0.027 χ^2 /NDF: 13375562099.9/3

yield_bpm0l01WS_rms vs slug



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

Left Out: 125.575 $\pm$ 0.028 χ^2/NDF : 533822.0/19

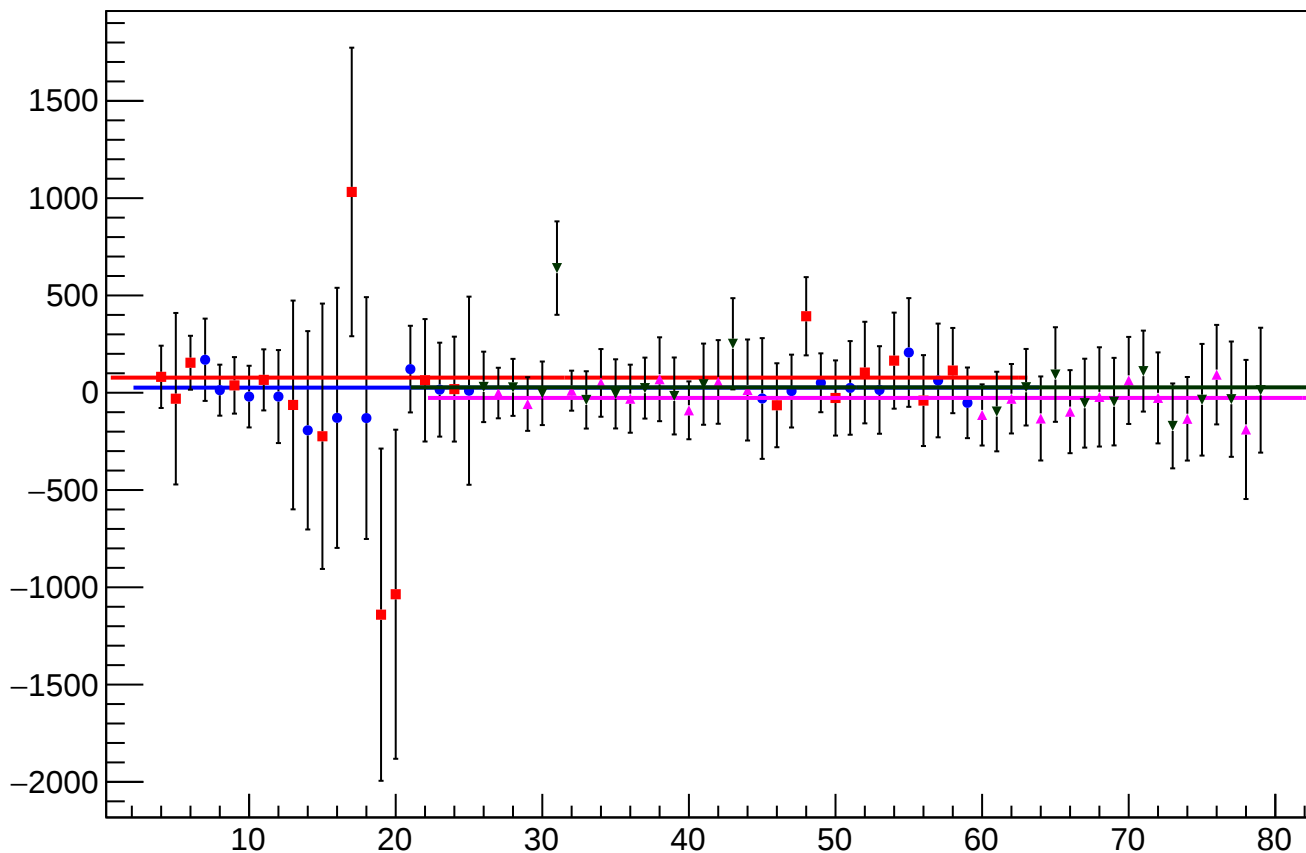
Right Out: 120.035 $\pm$ 0.028 χ^2/NDF : 93920.3/18

Left In: 123.846 $\pm$ 0.027 χ^2/NDF : 610813.5/18

122.957 $\pm$ 0.019 χ^2/NDF : 705324.0/37

121.951 $\pm$ 0.019 χ^2/NDF : 714376.2/37

asym_bcm_an_ds_mean vs slug



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

Left Out: 27.667+/-44.718 χ^2/NDF : 9.5/19

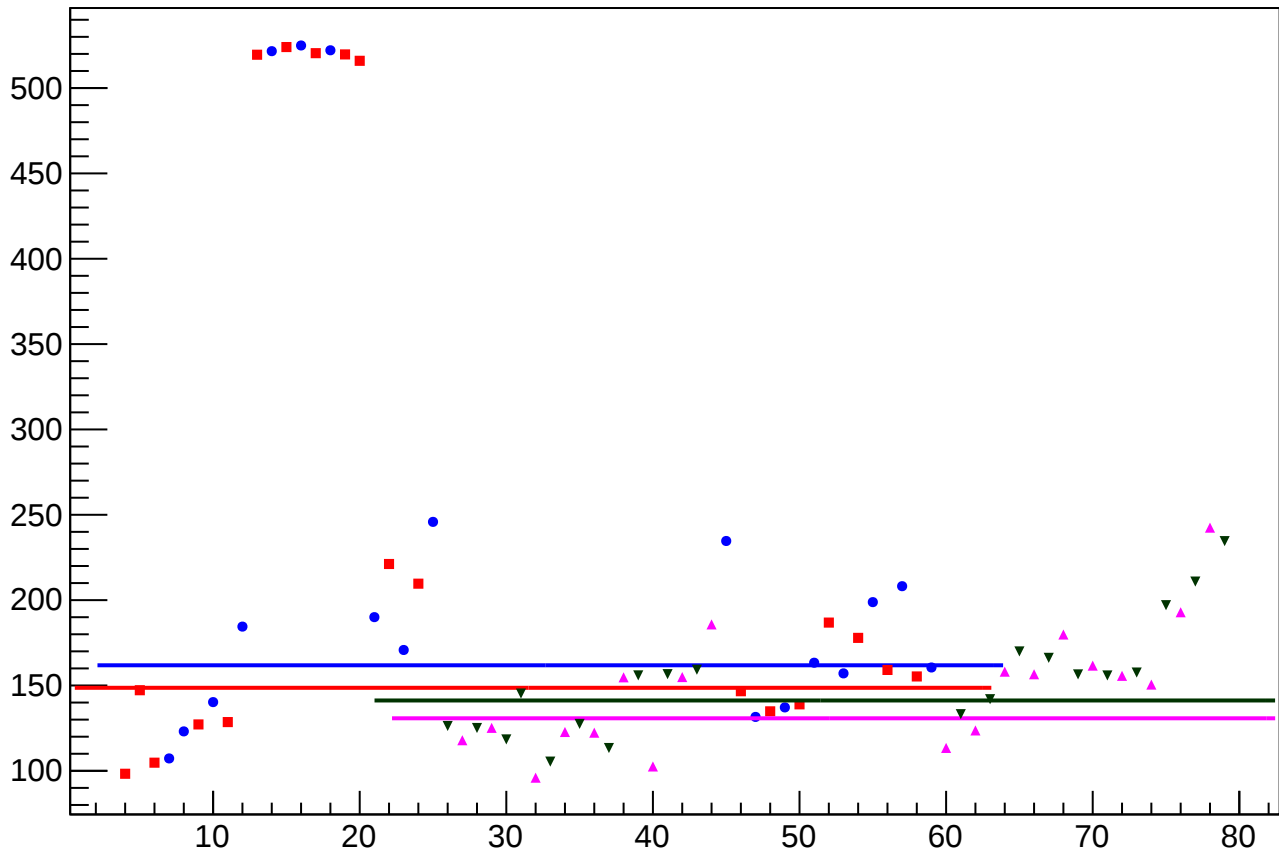
Right Out: 77.703+/-52.586 χ^2/NDF : 9.8/18

Left In: -26.680+/-41.203 χ^2/NDF : 2.5/18

27.070+/-34.046 χ^2/NDF : 11.3/37

13.026+/-32.433 χ^2/NDF : 14.7/37

asym_bcm_an_ds_rms vs slug



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

Left Out: 141.221+/-0.032 χ^2/NDF : 745246.9/19

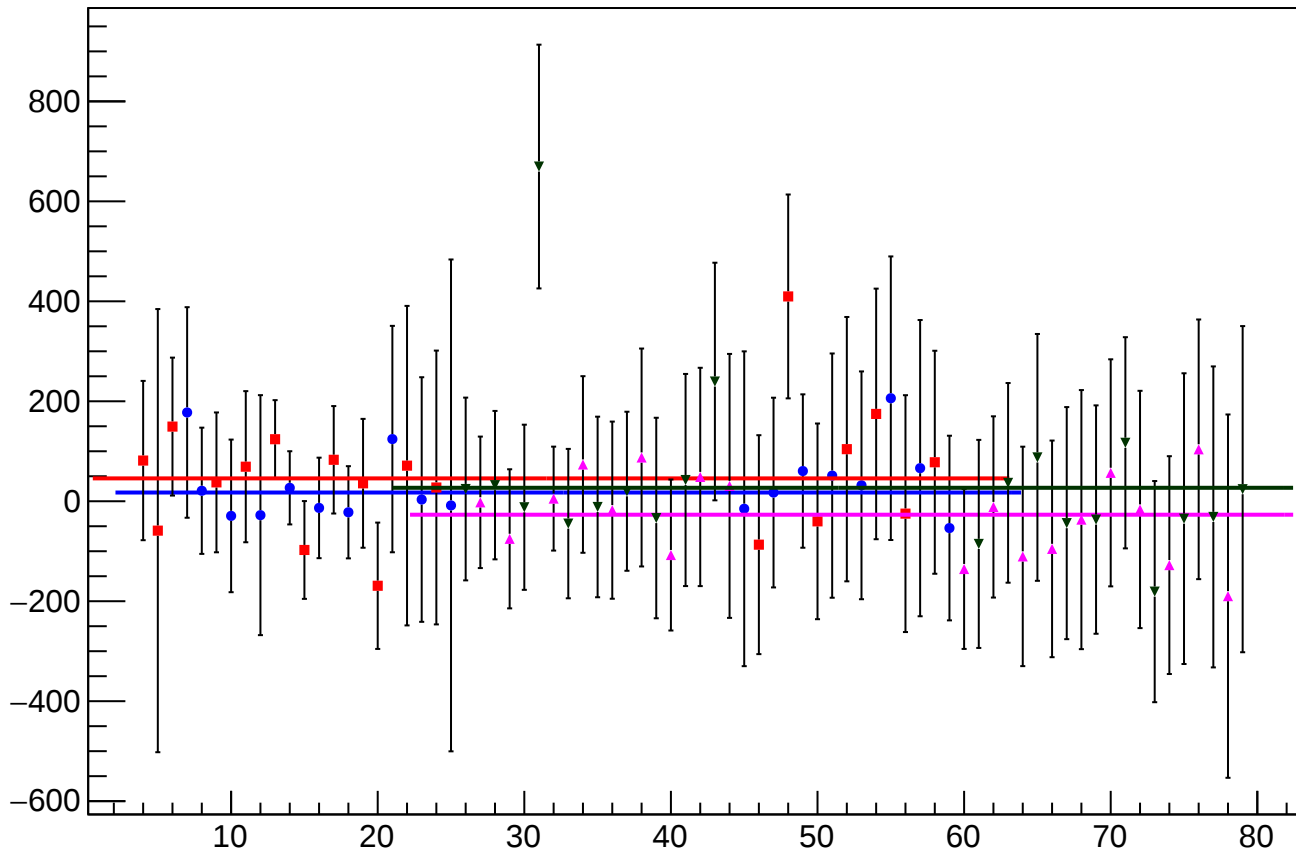
Right Out: 148.646+/-0.037 χ^2/NDF : 3594583.0/18

Left In: 130.775+/-0.029 χ^2/NDF : 1026326.8/18

149.886+/-0.024 χ^2/NDF : 3942766.8/37

137.573+/-0.023 χ^2/NDF : 4764043.6/37

asym_bcm_an_ds3_mean vs slug



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

Left Out: 26.921 ± 45.370 χ^2/NDF : 9.8/19

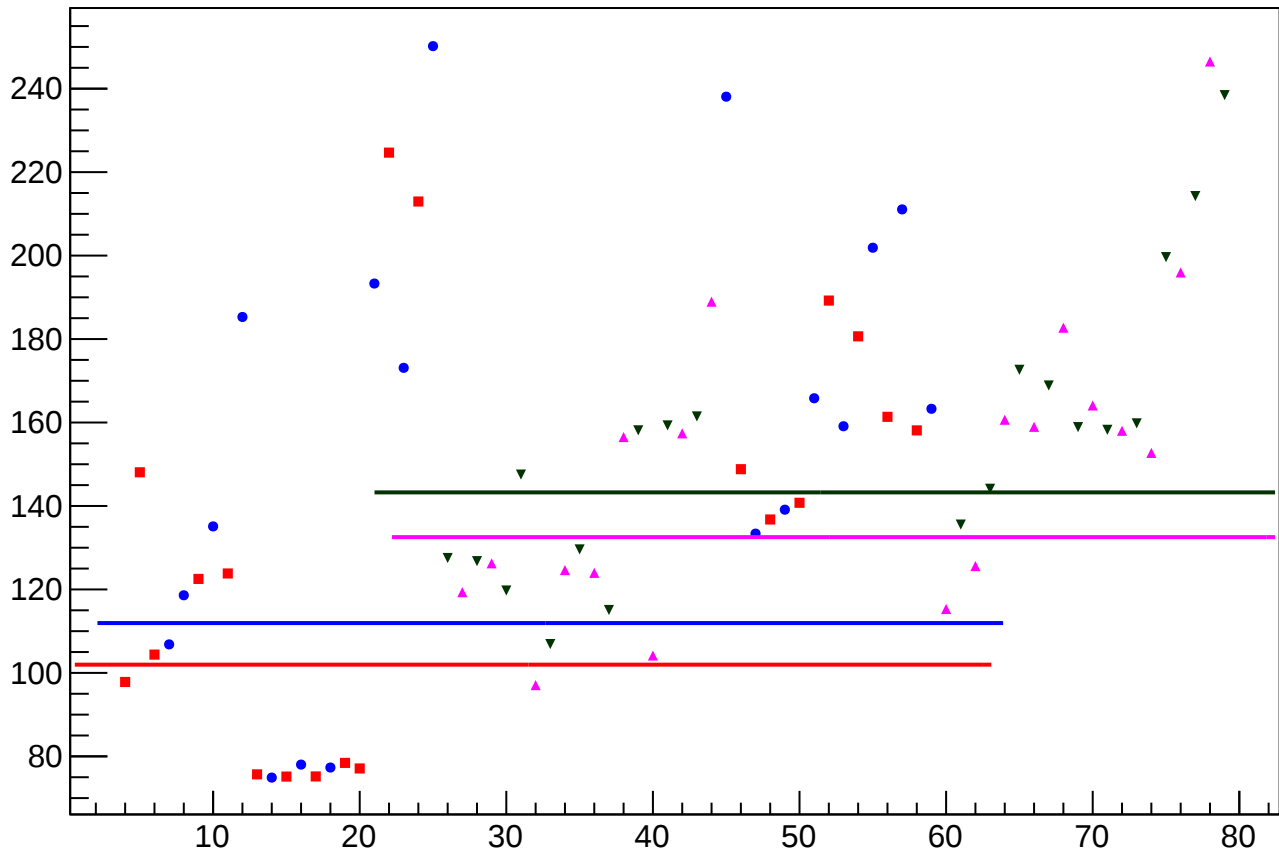
Right Out: 45.735 ± 34.677 χ^2/NDF : 11.0/18

Left In: -26.937 ± 41.772 χ^2/NDF : 2.8/18

21.153 ± 28.351 χ^2/NDF : 11.8/37

16.085 ± 26.681 χ^2/NDF : 15.7/37

asym_bcm_an_ds3_rms vs slug



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

Left Out: 143.257 $\pm$ 0.032 χ^2 /NDF: 749928.2/19

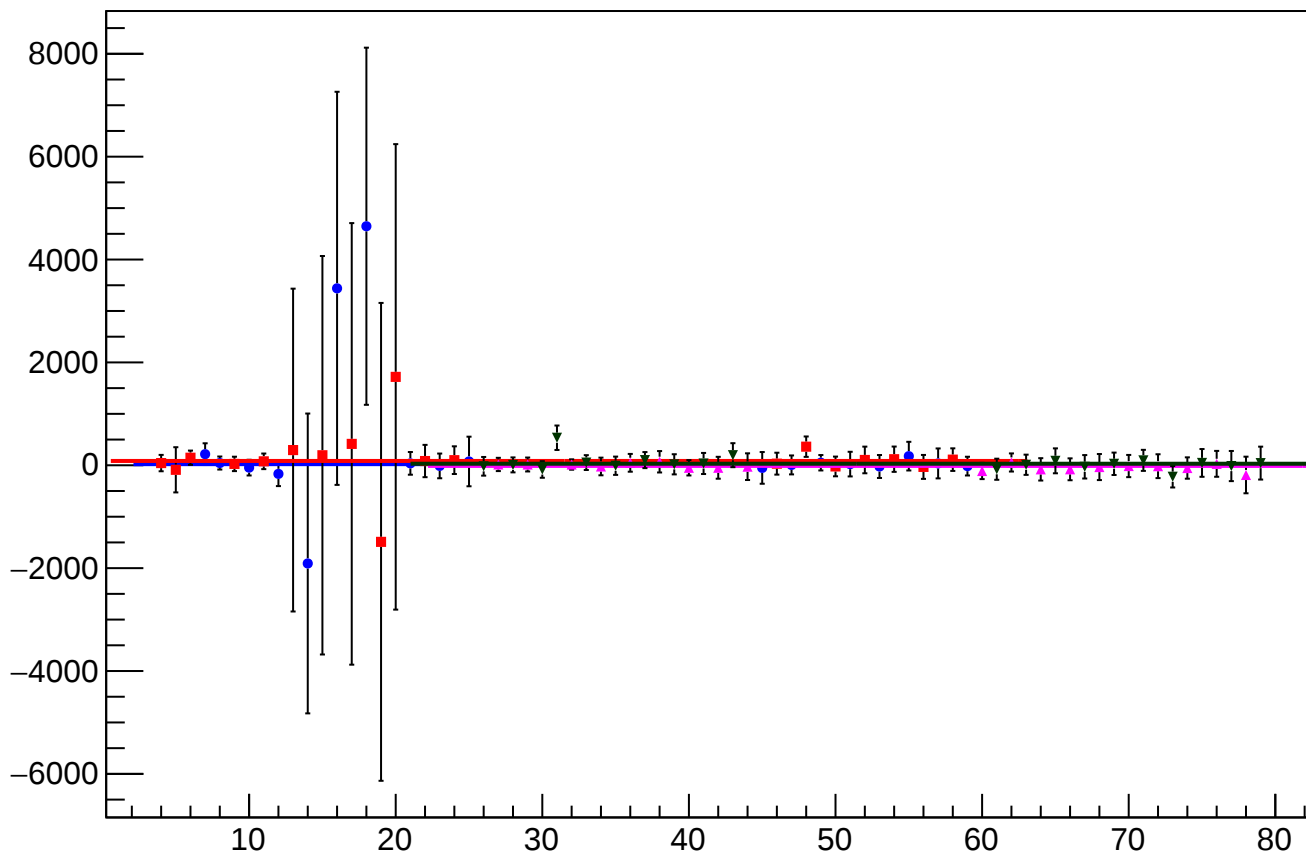
Right Out: 101.974 $\pm$ 0.025 χ^2 /NDF: 2271871.2/18

Left In: 132.536 $\pm$ 0.030 χ^2 /NDF: 1036020.6/18

124.170 $\pm$ 0.020 χ^2 /NDF: 4303423.6/37

114.443 $\pm$ 0.019 χ^2 /NDF: 3941728.9/37

asym_bcm_an_us_mean vs slug



Right In: 21.772+/-52.365 χ^2/NDF : 5.3/17

Left Out: 30.022+/-44.195 χ^2/NDF : 7.9/19

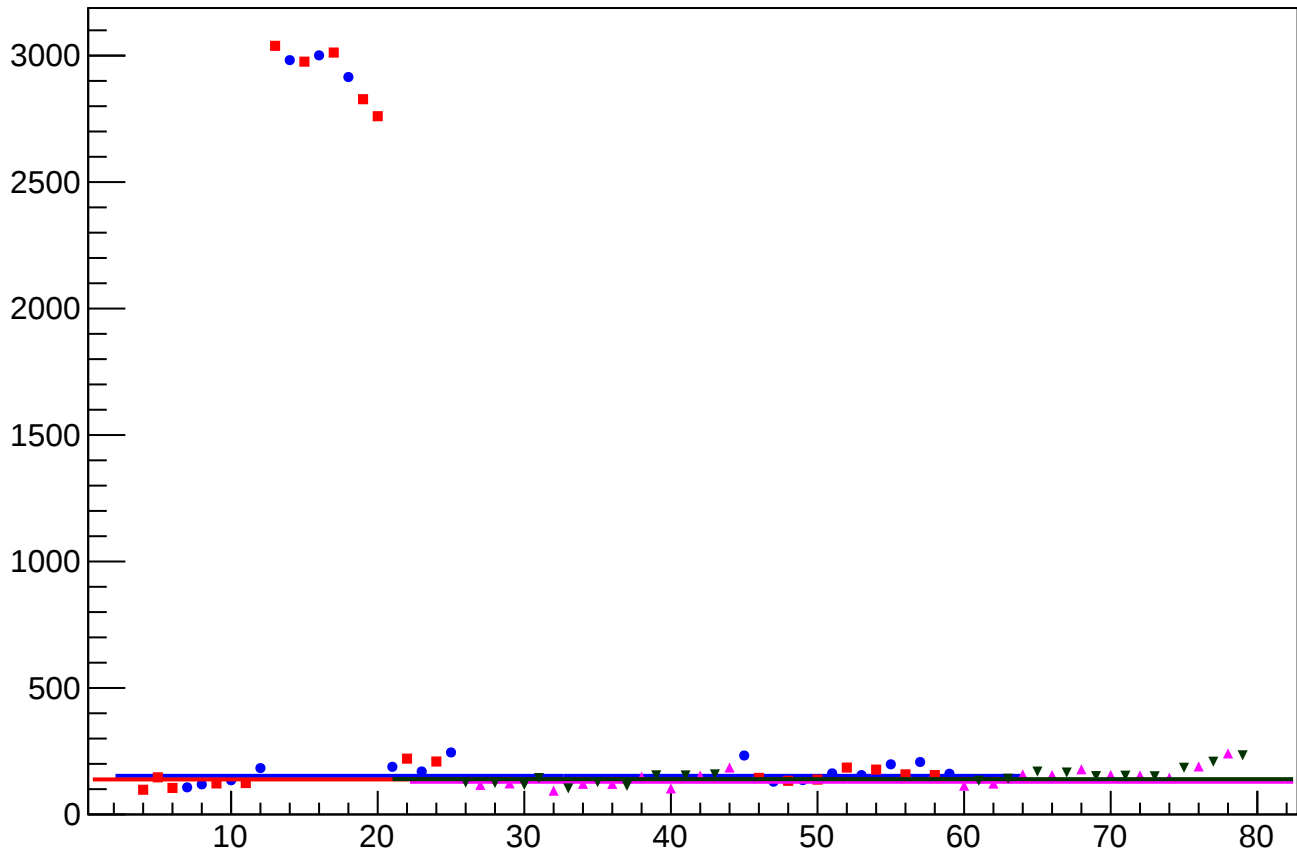
Right Out: 84.092+/-52.636 χ^2/NDF : 3.5/18

Left In: -12.550+/-40.698 χ^2/NDF : 1.6/18

26.590+/-33.774 χ^2/NDF : 13.2/37

23.610+/-32.197 χ^2/NDF : 7.2/37

asym_bcm_an_us_rms vs slug



Right In: 152.628 $\pm$ 0.037 χ^2 /NDF: 5017627.8/17

Left Out: 139.553 $\pm$ 0.031 χ^2 /NDF: 725048.1/19

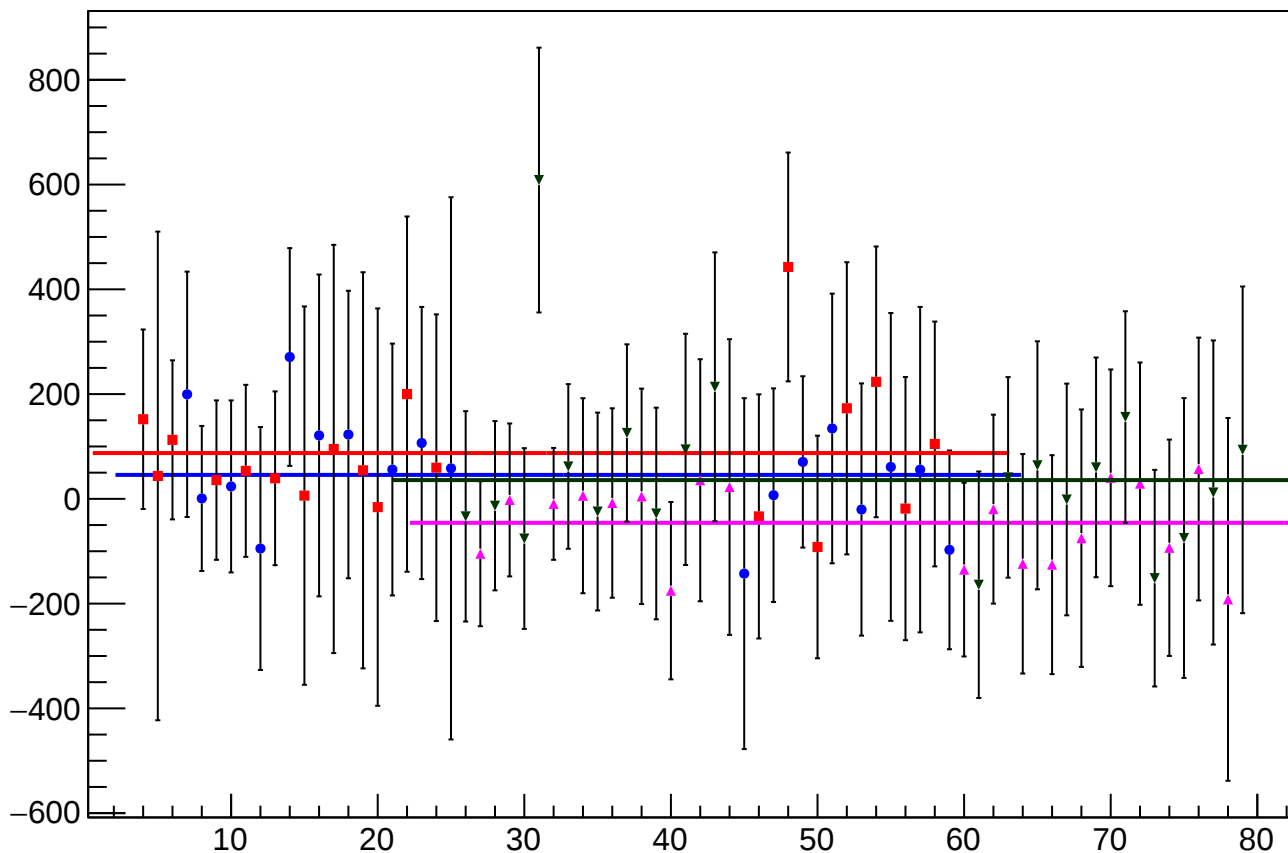
144.992 $\pm$ 0.024 χ^2 /NDF: 5815503.4/37

Right Out: 138.455 $\pm$ 0.037 χ^2 /NDF: 5734578.9/18

132.642 $\pm$ 0.023 χ^2 /NDF: 6799559.8/37

Left In: 129.167 $\pm$ 0.029 χ^2 /NDF: 1026006.7/18

asym_bcm_dg_us_mean vs slug



Right In: 45.739+/-52.604 χ^2/NDF : 3.4/17

Left Out: 35.808+/-46.135 χ^2/NDF : 9.1/19

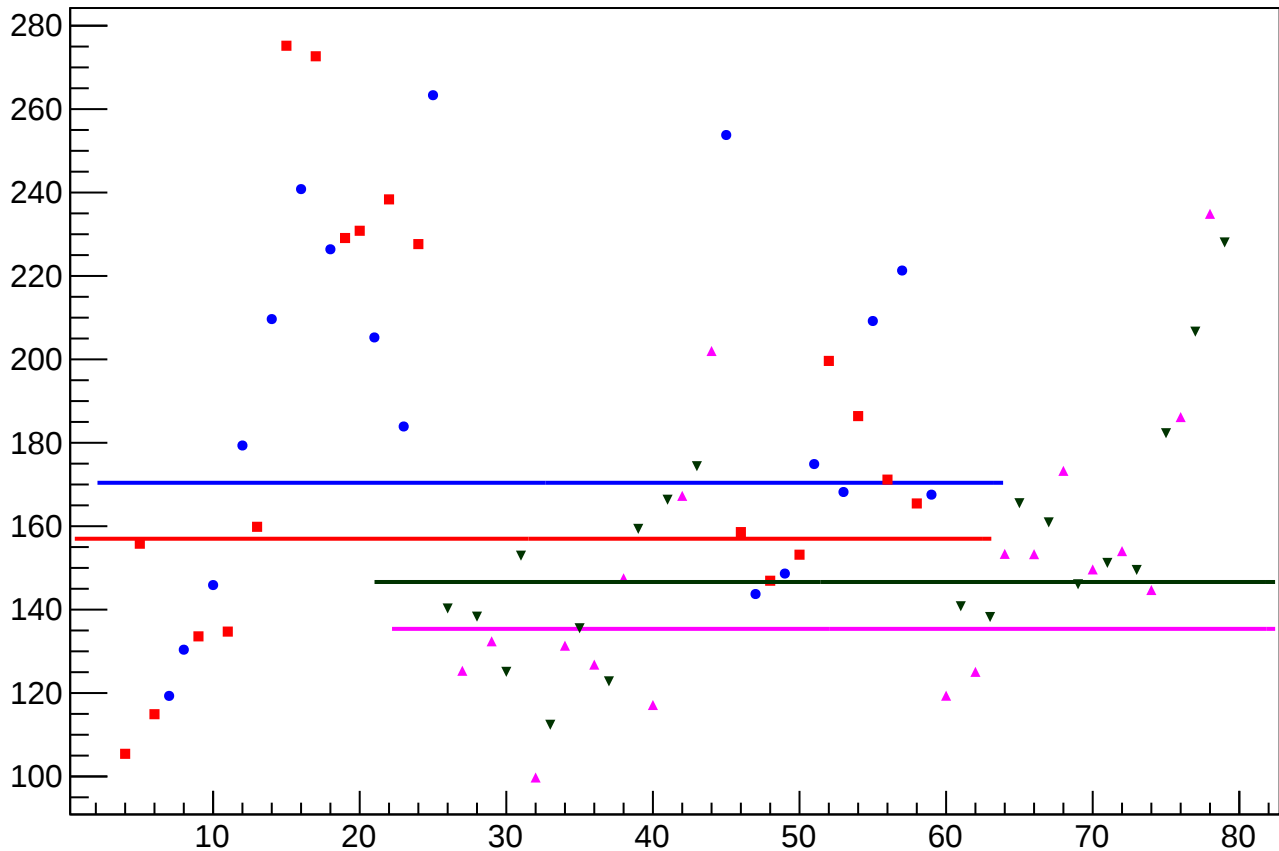
Right Out: 87.434+/-51.940 χ^2/NDF : 4.9/18

Left In: -45.759+/-42.438 χ^2/NDF : 2.6/18

40.126+/-34.685 χ^2/NDF : 12.6/37

7.561+/-32.863 χ^2/NDF : 11.4/37

asym_bcm_dg_us_rms vs slug



Right In: 170.412 $\pm$ 0.037 χ^2 /NDF: 964671.4/17

Left Out: 146.626 $\pm$ 0.033 χ^2 /NDF: 513727.3/19

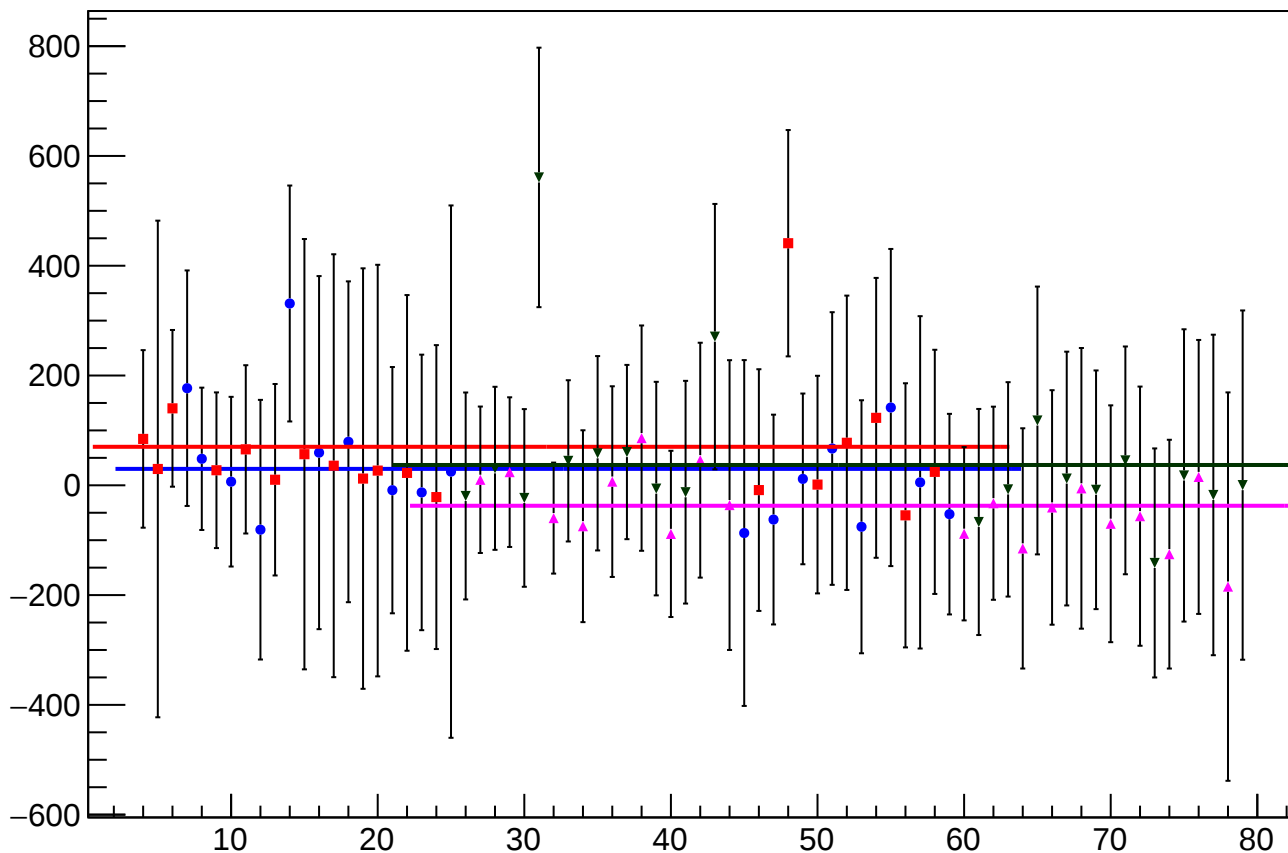
156.967 $\pm$ 0.025 χ^2 /NDF: 1709535.2/37

Right Out: 156.997 $\pm$ 0.037 χ^2 /NDF: 1276447.5/18

144.038 $\pm$ 0.023 χ^2 /NDF: 2279087.7/37

Left In: 135.387 $\pm$ 0.030 χ^2 /NDF: 795027.8/18

asym_bcm_dg_ds_mean vs slug



Right In: 29.919 ± 50.591 χ^2/NDF : 3.8/17

Left Out: 37.015 ± 44.555 χ^2/NDF : 7.5/19

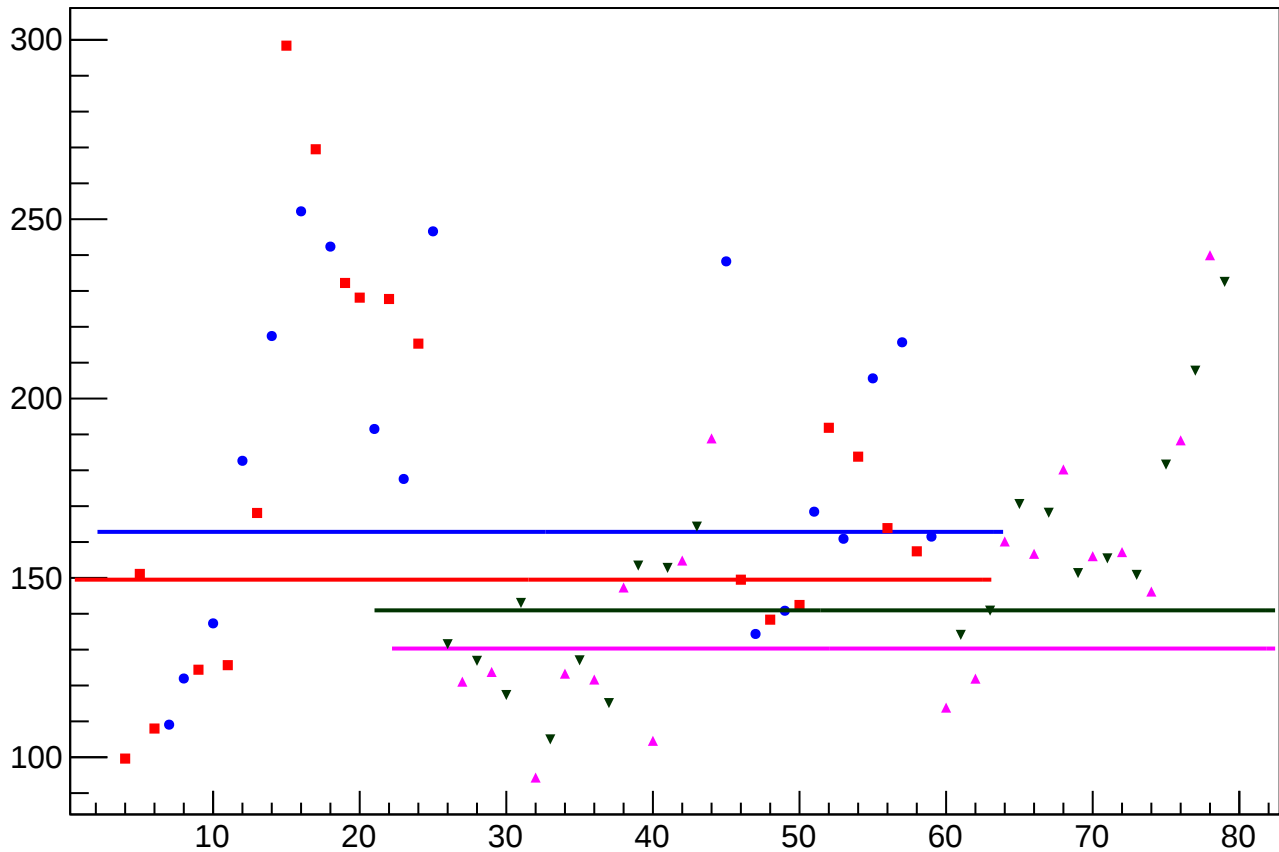
Right Out: 70.155 ± 49.782 χ^2/NDF : 4.5/18

Left In: -37.255 ± 41.019 χ^2/NDF : 1.8/18

33.916 ± 33.437 χ^2/NDF : 11.3/37

6.180 ± 31.657 χ^2/NDF : 9.0/37

asym_bcm_dg_ds_rms vs slug



Right In: 162.833 ± 0.036 χ^2/NDF : 1229021.5/17

Left Out: 140.950 ± 0.032 χ^2/NDF : 680117.9/19

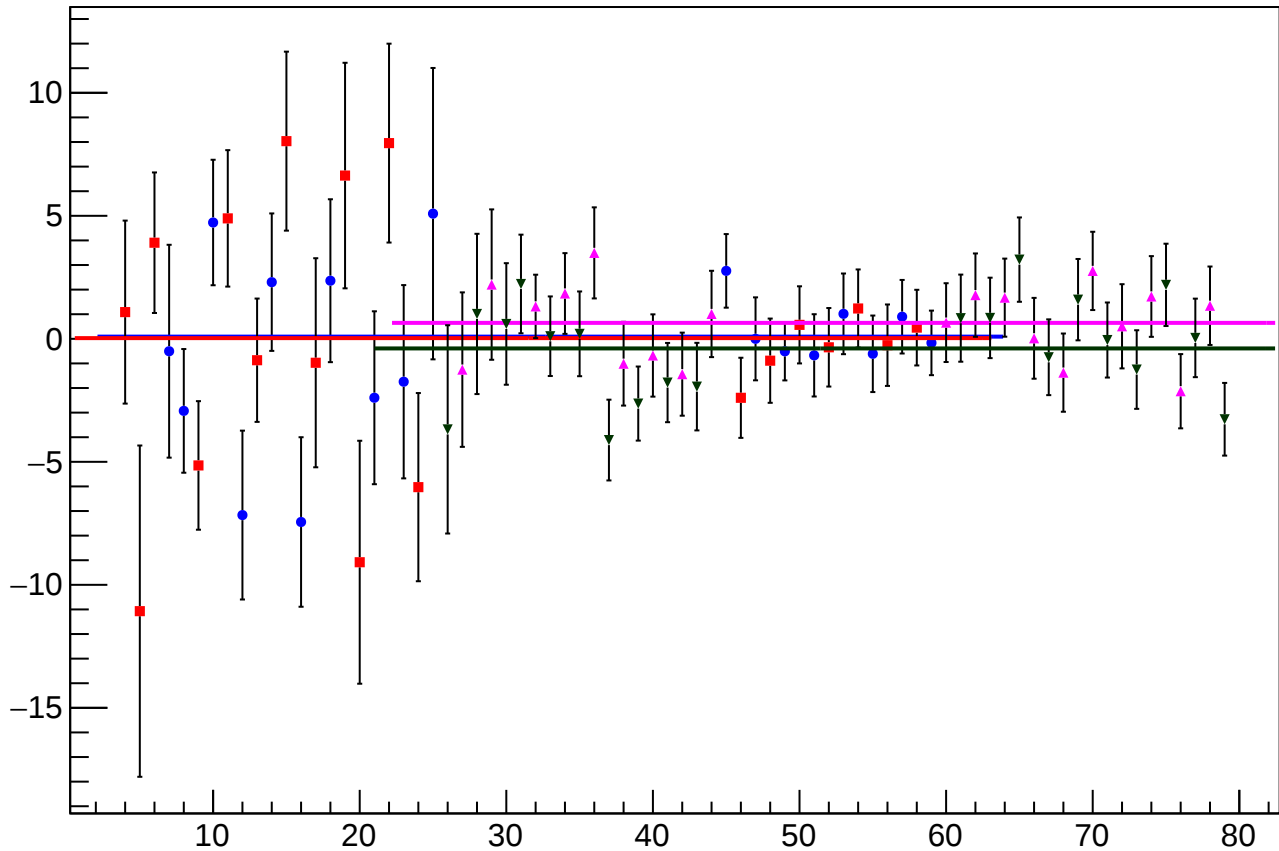
Right Out: 149.507 ± 0.035 χ^2/NDF : 1490705.1/18

Left In: 130.304 ± 0.029 χ^2/NDF : 1008580.0/18

150.509 ± 0.024 χ^2/NDF : 2119877.8/37

138.069 ± 0.022 χ^2/NDF : 2676530.6/37

asym_cav4bQ_mean vs slug



Right In: 0.089 ± 0.466 χ^2/NDF : 21.1/17

Left Out: -0.391 ± 0.388 χ^2/NDF : 25.3/19

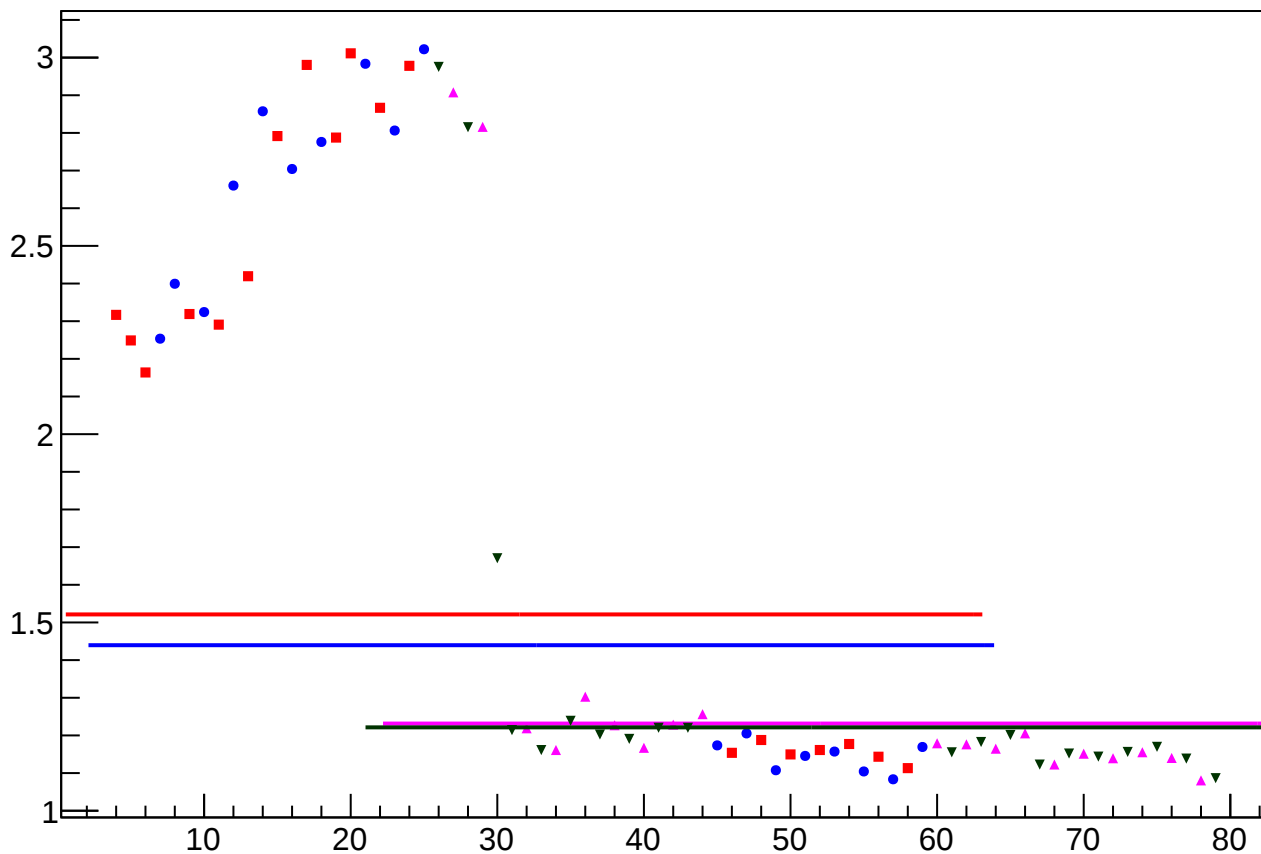
Right Out: 0.028 ± 0.520 χ^2/NDF : 31.9/18

Left In: 0.648 ± 0.386 χ^2/NDF : 15.3/18

-0.194 ± 0.298 χ^2/NDF : 47.0/37

0.427 ± 0.310 χ^2/NDF : 48.1/37

asym_cav4bQ_rms vs slug



Right In: 1.440+/-0.000 χ^2/NDF : 3409388.4/17

Left Out: 1.221+/-0.000 χ^2/NDF :940822.7/19

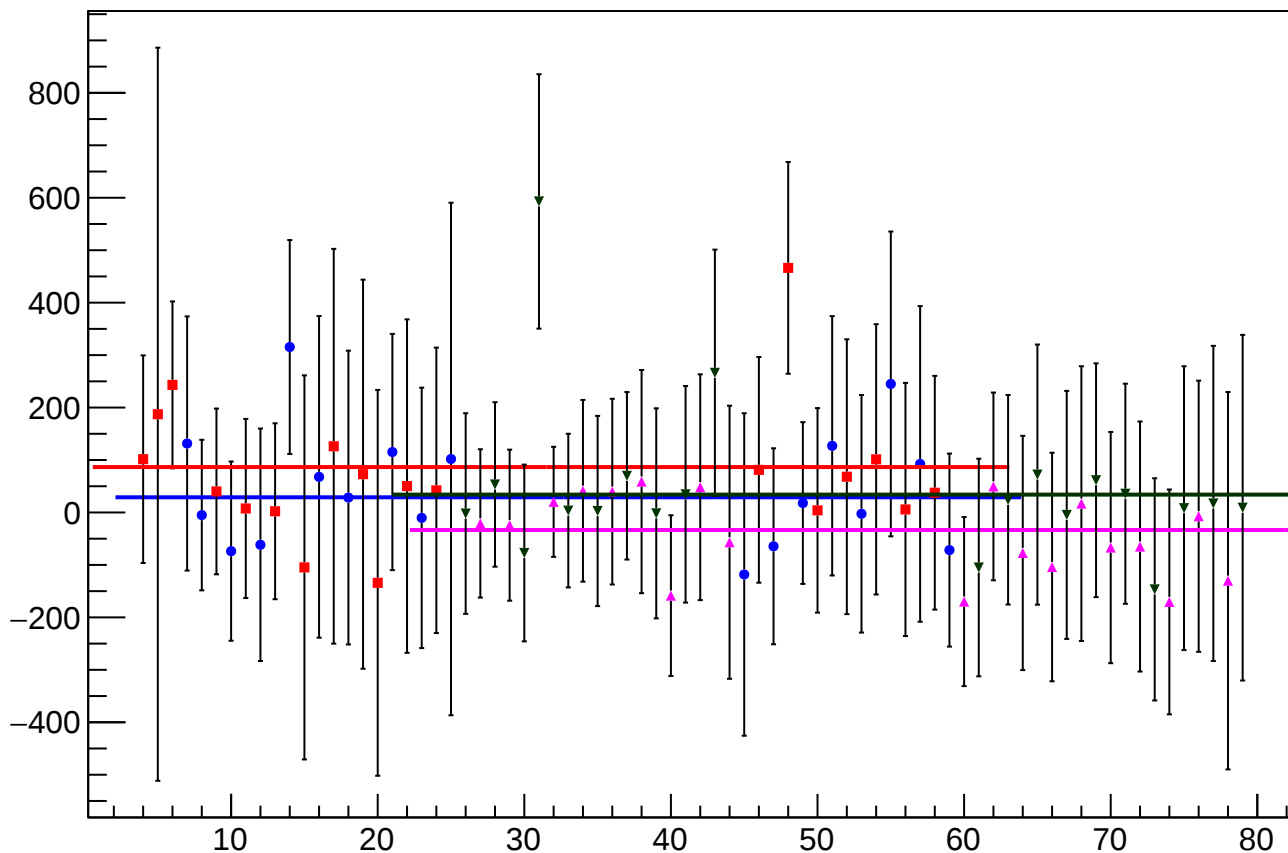
Right Out: 1.521+/-0.000 χ^2/NDF : 2870549.2/18

Left In: 1.231+/-0.000 χ^2/NDF :1175871.4/18

1.311+/-0.000 χ^2/NDF : 4609459.0/37

1.335+/-0.000 χ^2/NDF : 4447120.4/37

asym_cav4cQ_mean vs slug



Right In: 28.930 ± 51.478 χ^2/NDF : 4.5/17

Left Out: 34.030 ± 45.428 χ^2/NDF : 8.2/19

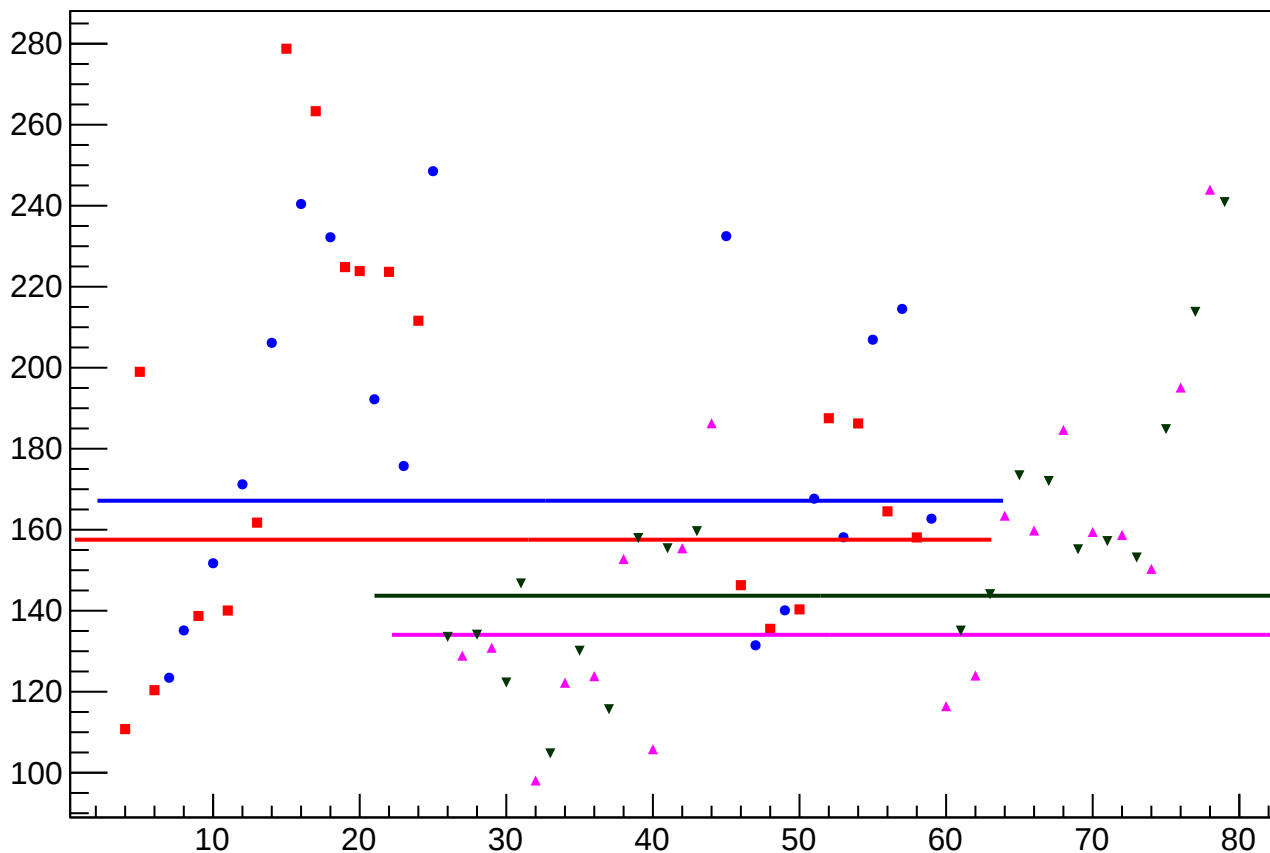
Right Out: 86.558 ± 52.059 χ^2/NDF : 6.1/18

Left In: -33.382 ± 42.127 χ^2/NDF : 3.3/18

31.797 ± 34.062 χ^2/NDF : 12.7/37

14.079 ± 32.748 χ^2/NDF : 12.6/37

asym_cav4cQ_rms vs slug



Right In: 167.159+/-0.036 χ^2/NDF : 875808.6/17

Left Out: 143.701+/-0.032 χ^2/NDF : 693143.9/19

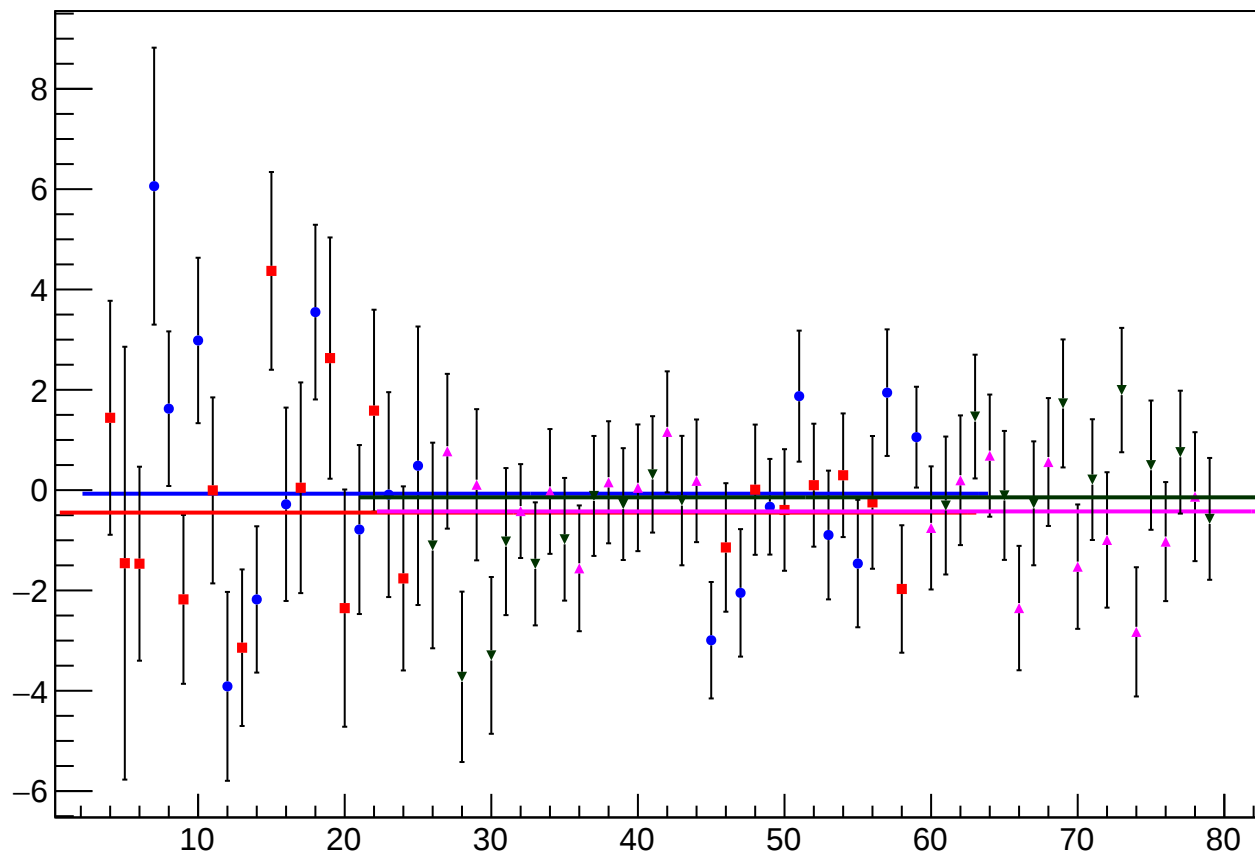
Right Out: 157.534+/-0.037 χ^2/NDF : 1049684.2/18

Left In: 134.046+/-0.030 χ^2/NDF : 963790.4/18

153.971+/-0.024 χ^2/NDF : 1802427.7/37

143.341+/-0.023 χ^2/NDF : 2259501.4/37

asym_cav4dQ_mean vs slug



Right In: -0.071 ± 0.335 χ^2/NDF : 36.8/17

Left Out: -0.144 ± 0.289 χ^2/NDF : 18.8/19

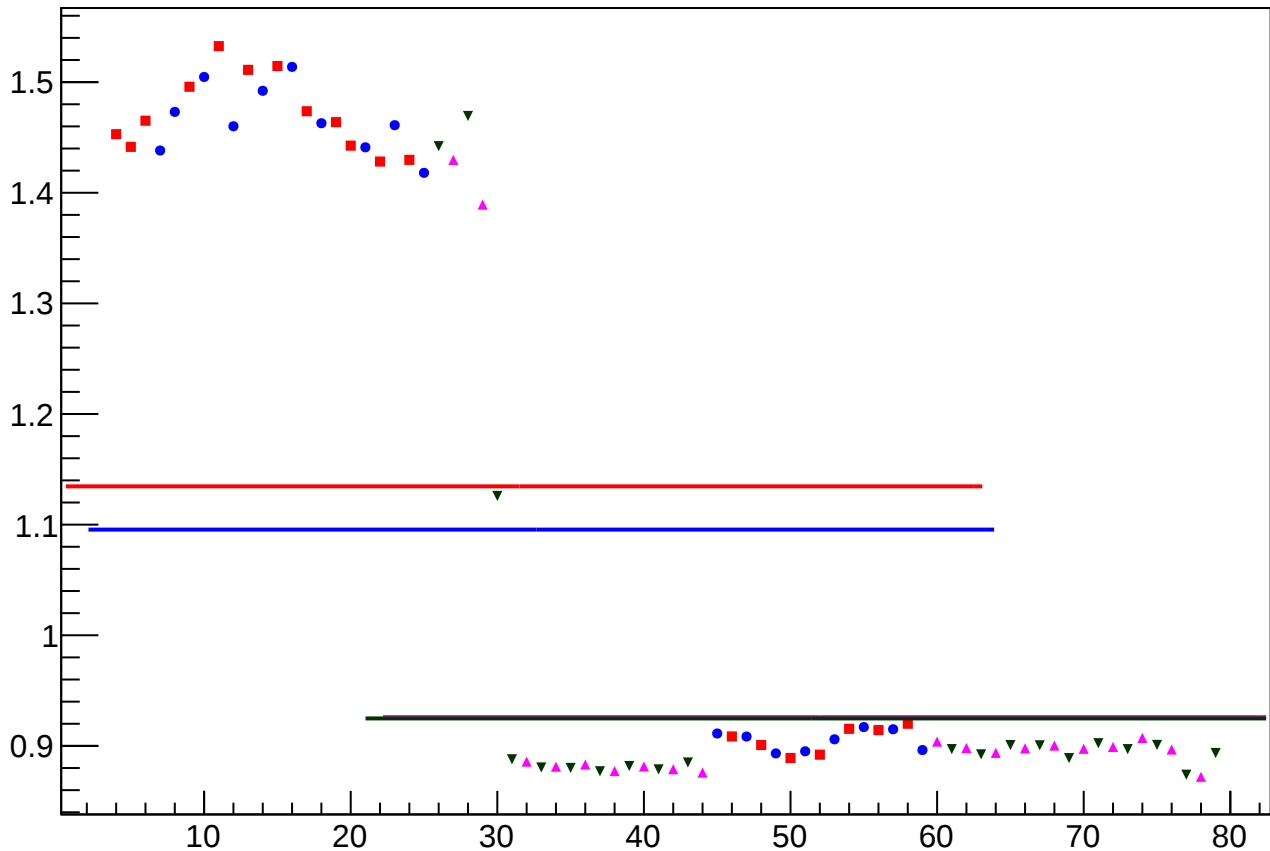
Right Out: -0.448 ± 0.369 χ^2/NDF : 17.4/18

Left In: -0.425 ± 0.286 χ^2/NDF : 12.9/18

-0.113 ± 0.219 χ^2/NDF : 55.6/37

-0.433 ± 0.226 χ^2/NDF : 30.3/37

asym_cav4dQ_rms vs slug



Right In: 1.096+/-0.000 χ^2/NDF : 1288766.9/17

Left Out: 0.925+/-0.000 χ^2/NDF : 396326.3/19

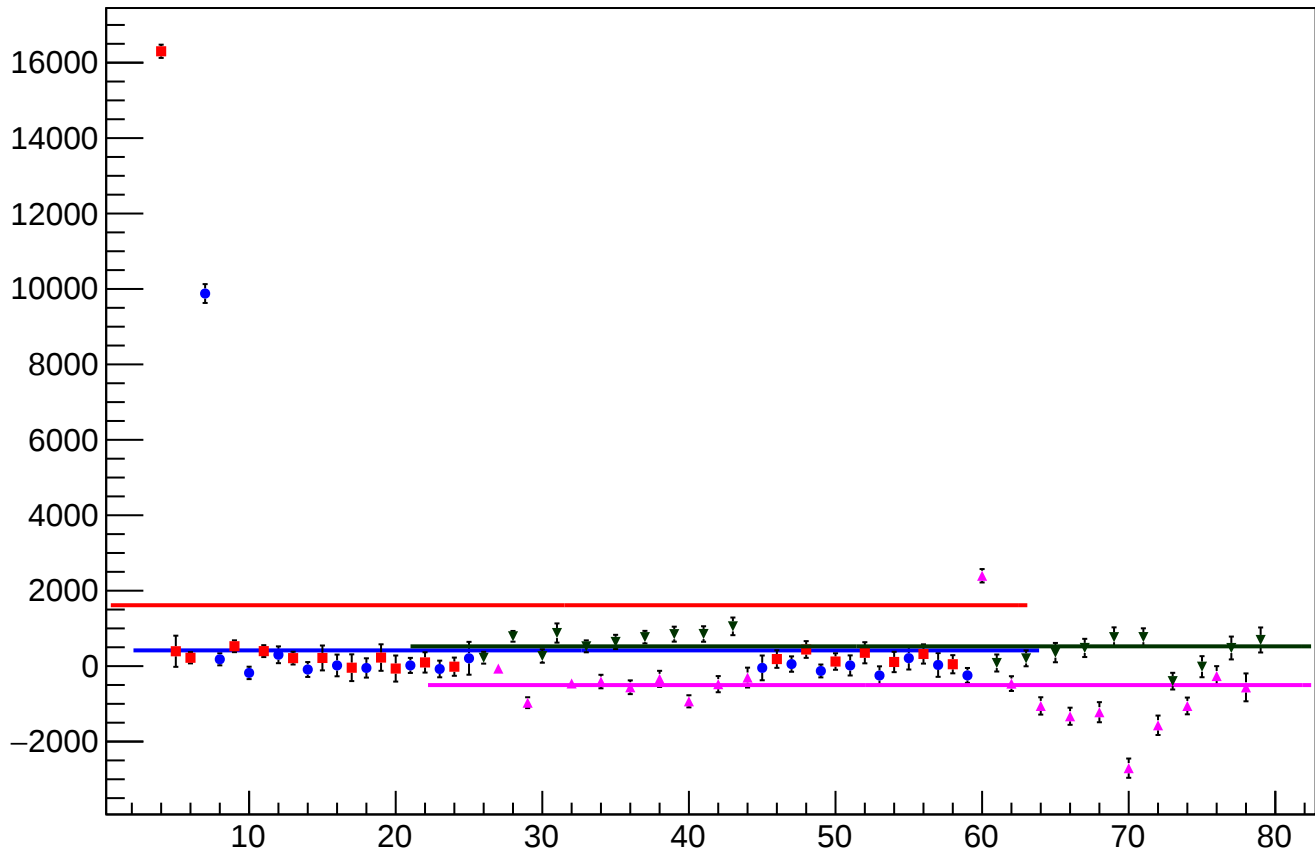
0.997+/-0.000 χ^2/NDF : 1982410.4/37

Right Out: 1.135+/-0.000 χ^2/NDF : 1161881.6/18

Left In: 0.926+/-0.000 χ^2/NDF : 434755.4/18

1.004+/-0.000 χ^2/NDF : 1995775.5/37

asym_bcm0l02_mean vs slug



Right In: 417.186+/-52.636 χ^2/NDF : 1507.9/17

Left Out: 524.373+/-46.136 χ^2/NDF : 54.1/19

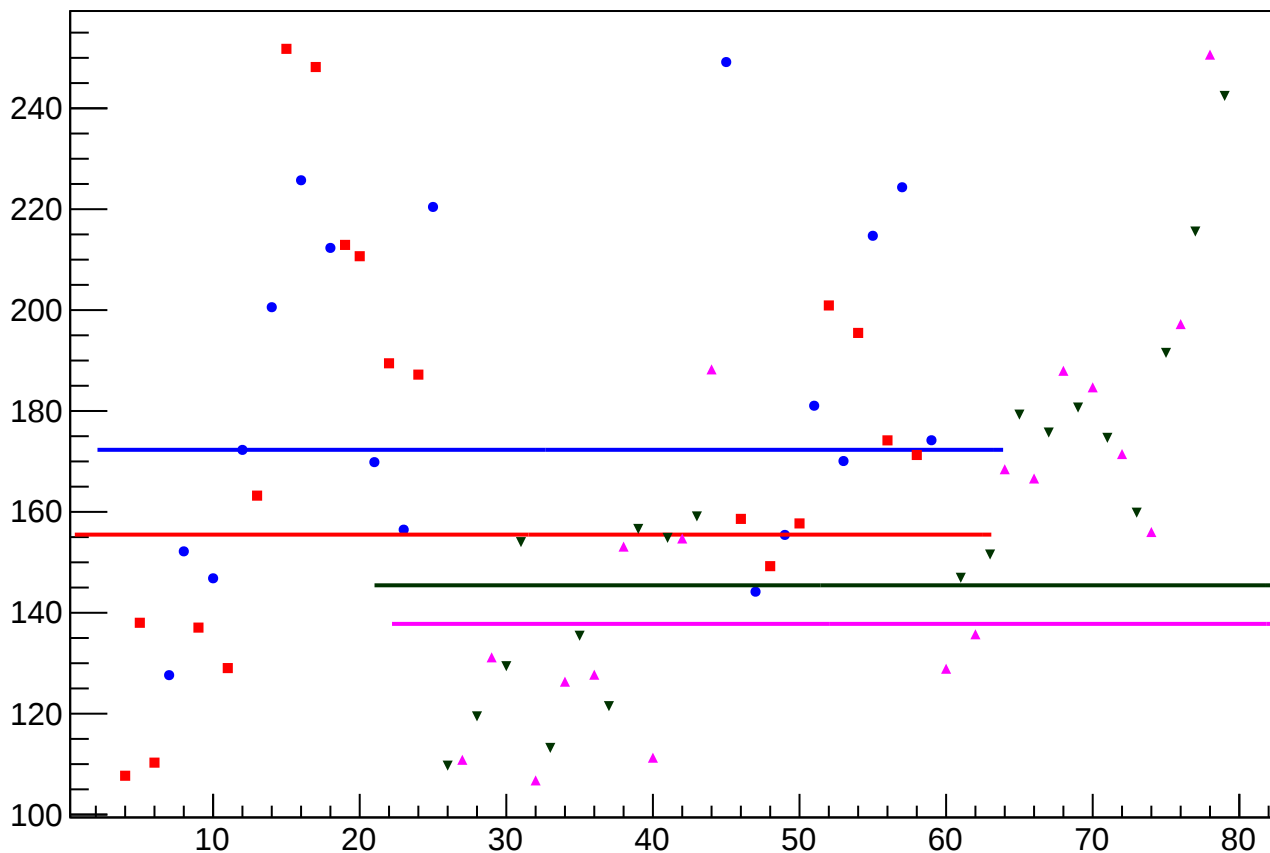
477.803+/-34.695 χ^2/NDF : 1564.4/37

Right Out: 1614.499+/-51.138 χ^2/NDF : 7665.3/18

380.324+/-33.026 χ^2/NDF : 9086.9/37

Left In: -502.703+/-43.256 χ^2/NDF : 422.4/18

asym_bcm0l02_rms vs slug



Right In: 172.303 ± 0.037 χ^2/NDF : 600813.3/17

Left Out: 145.446 ± 0.033 χ^2/NDF : 814465.5/19

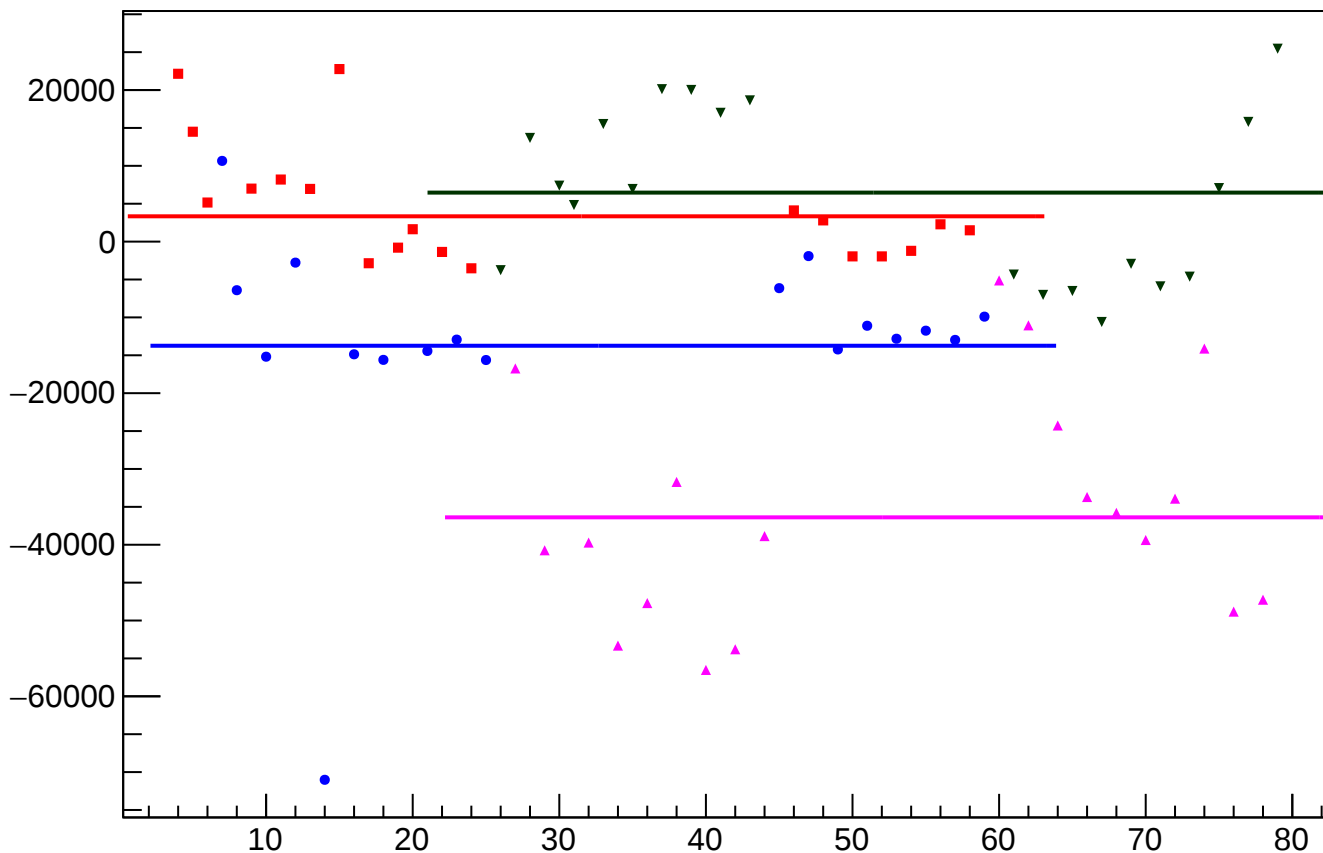
Right Out: 155.494 ± 0.036 χ^2/NDF : 1018742.9/18

Left In: 137.799 ± 0.031 χ^2/NDF : 965474.2/18

157.115 ± 0.025 χ^2/NDF : 1709764.1/37

145.179 ± 0.023 χ^2/NDF : 2123800.9/37

asym_bpm2i01WS_mean vs slug



Right In: -13741.376+/-32.053 χ^2/NDF : 222194.3/17

Left Out: 6467.182+/-29.345 χ^2/NDF : 151918.9/19

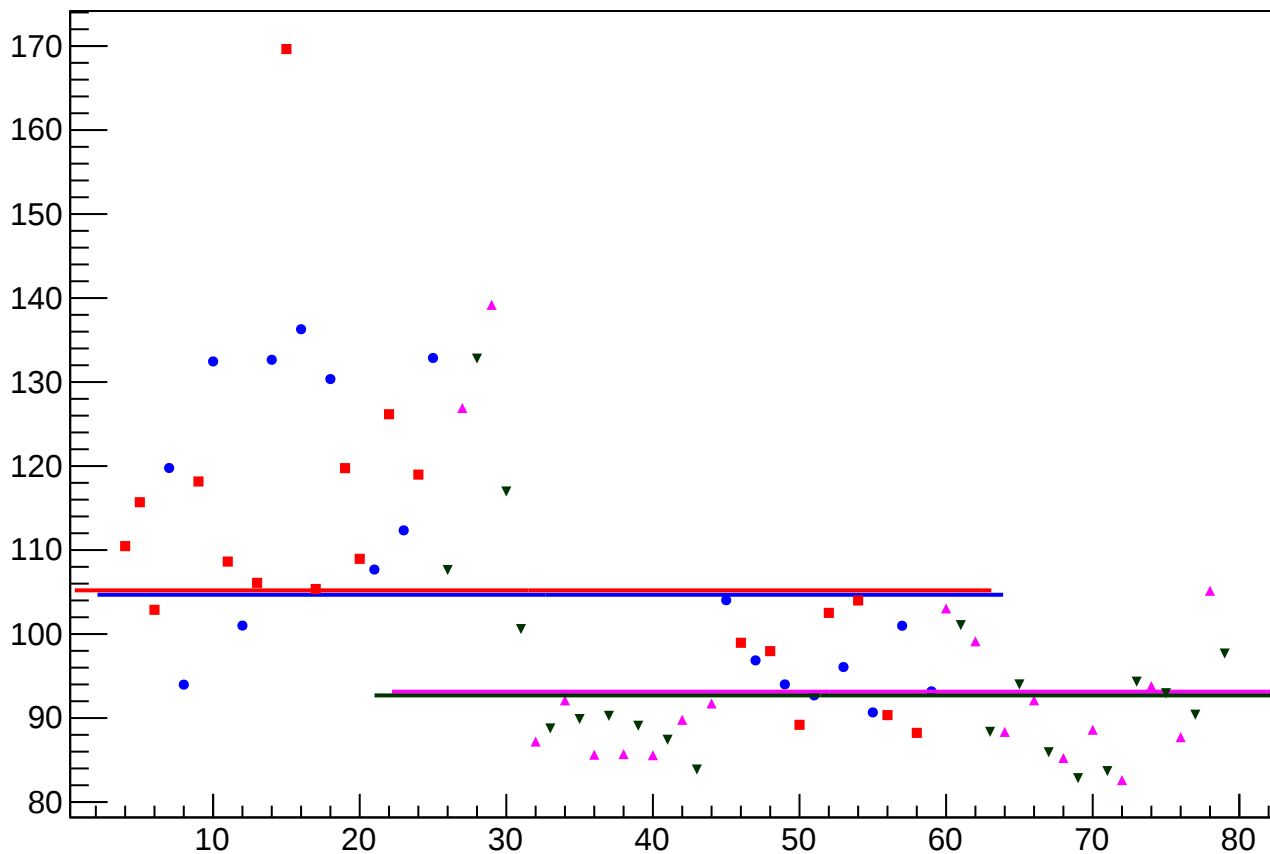
Right Out: 3338.926+/-34.258 χ^2/NDF : 31361.1/18

Left In: -36385.332+/-29.168 χ^2/NDF : 225384.4/18

-2747.465+/-21.644 χ^2/NDF : 590363.6/37

-19690.158+/-22.209 χ^2/NDF : 1036253.0/37

asym_bpm2i01WS_rms vs slug



Right In: 104.677 $\pm$ 0.023 χ^2 /NDF: 431749.6/17

Left Out: 92.695 $\pm$ 0.021 χ^2 /NDF:253635.3/19

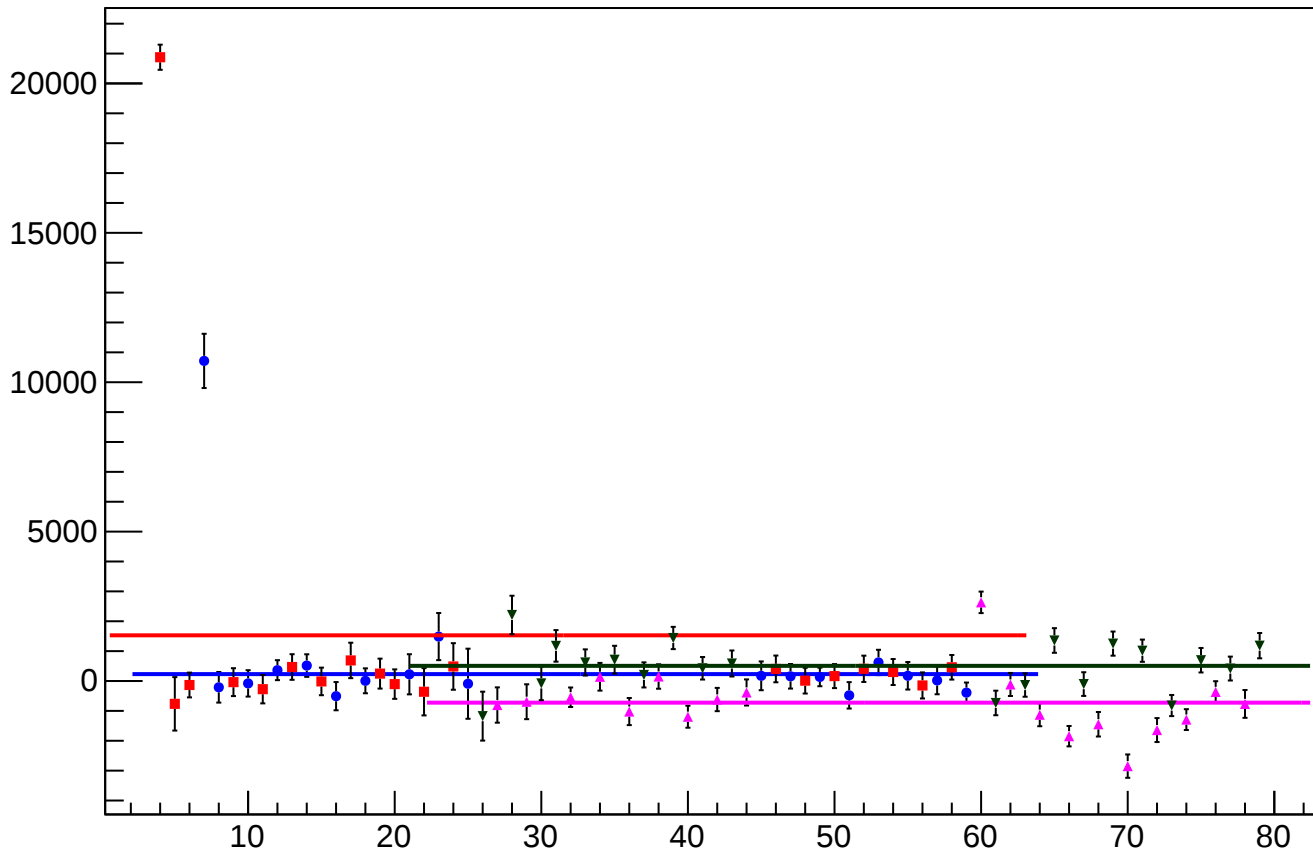
98.158 $\pm$ 0.015 χ^2 /NDF: 837436.4/37

Right Out: 105.200 $\pm$ 0.024 χ^2 /NDF: 336723.5/18

98.208 $\pm$ 0.016 χ^2 /NDF: 856121.5/37

Left In: 93.139 $\pm$ 0.021 χ^2 /NDF:375668.6/18

asym_bpm0i07WS_mean vs slug



Right In: 230.965 ± 105.235 χ^2/NDF : 148.0/17

Left Out: 507.369 ± 95.539 χ^2/NDF : 61.7/19

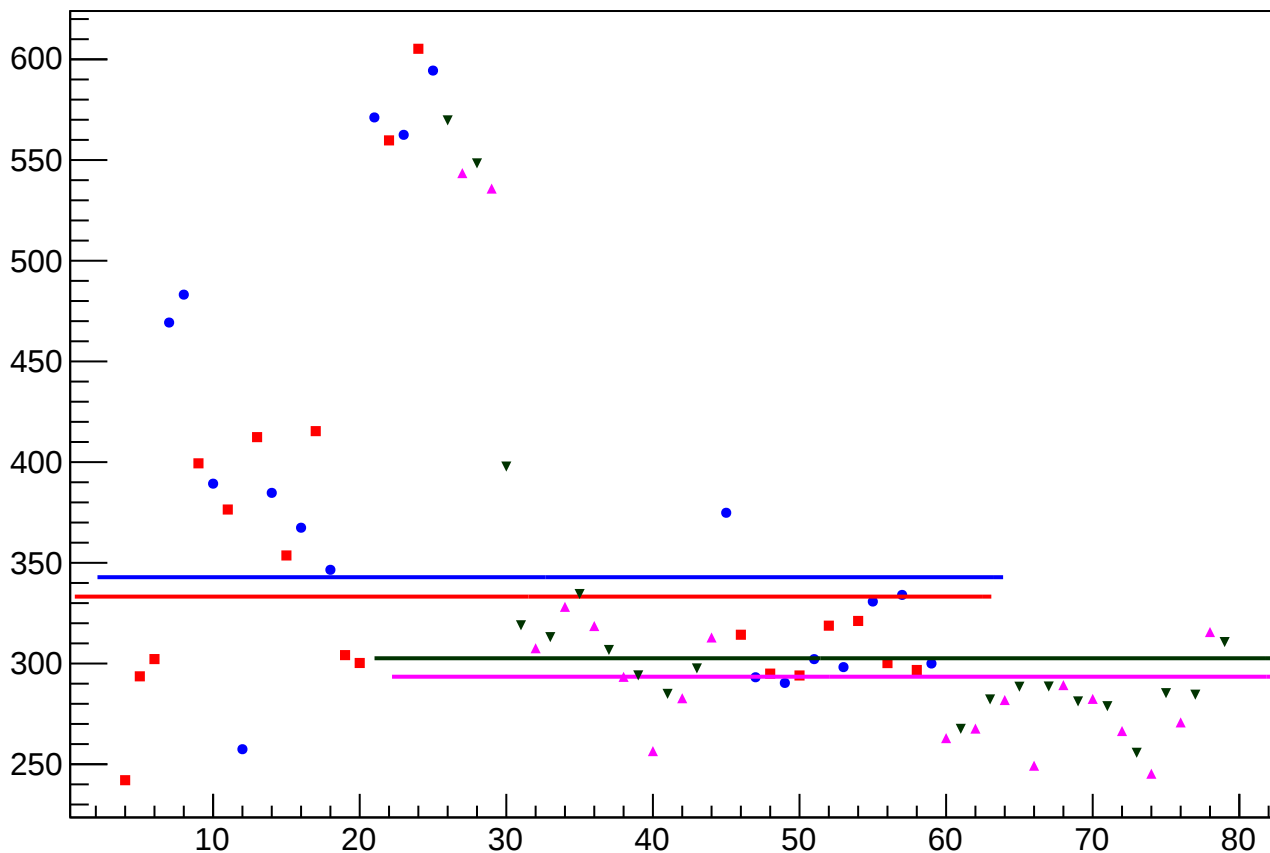
Right Out: 1529.045 ± 108.949 χ^2/NDF : 2274.0/18

Left In: -724.435 ± 91.663 χ^2/NDF : 154.2/18

382.485 ± 70.736 χ^2/NDF : 213.4/37

209.567 ± 70.141 χ^2/NDF : 2678.7/37

asym_bpm0i07WS_rms vs slug



Right In: 342.865 $\pm$ 0.074 χ^2 /NDF: 1018623.1/17

Left Out: 302.616 $\pm$ 0.068 χ^2 /NDF:662256.6/19

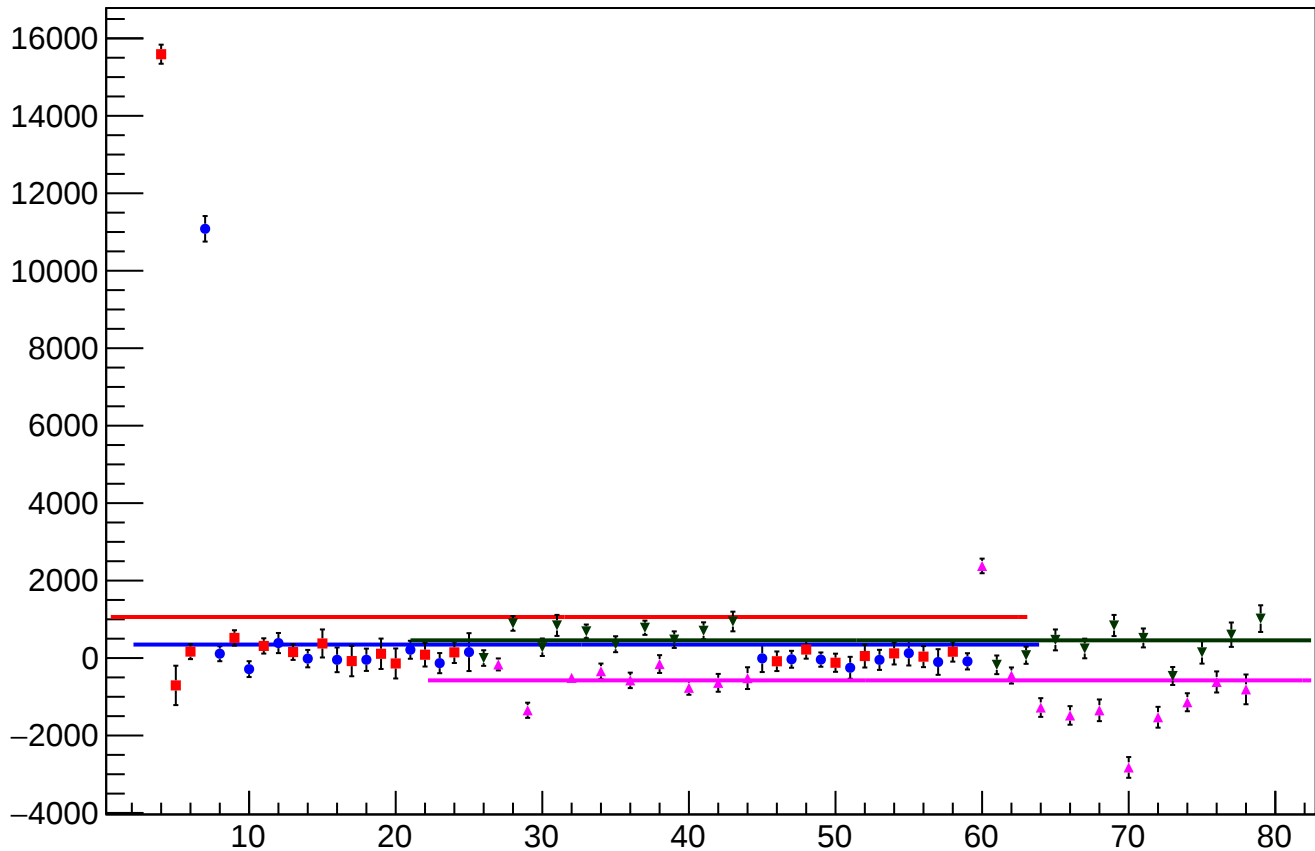
Right Out: 333.230 $\pm$ 0.077 χ^2 /NDF: 768934.3/18

Left In: 293.454 $\pm$ 0.065 χ^2 /NDF:869595.9/18

320.801 $\pm$ 0.050 χ^2 /NDF: 1841255.5/37

309.940 $\pm$ 0.050 χ^2 /NDF: 1794623.2/37

asym_bpm0l01WS_mean vs slug



Right In: 348.196 ± 59.644 χ^2/NDF : 1103.2/17

Left Out: 457.387 ± 51.624 χ^2/NDF : 55.6/19

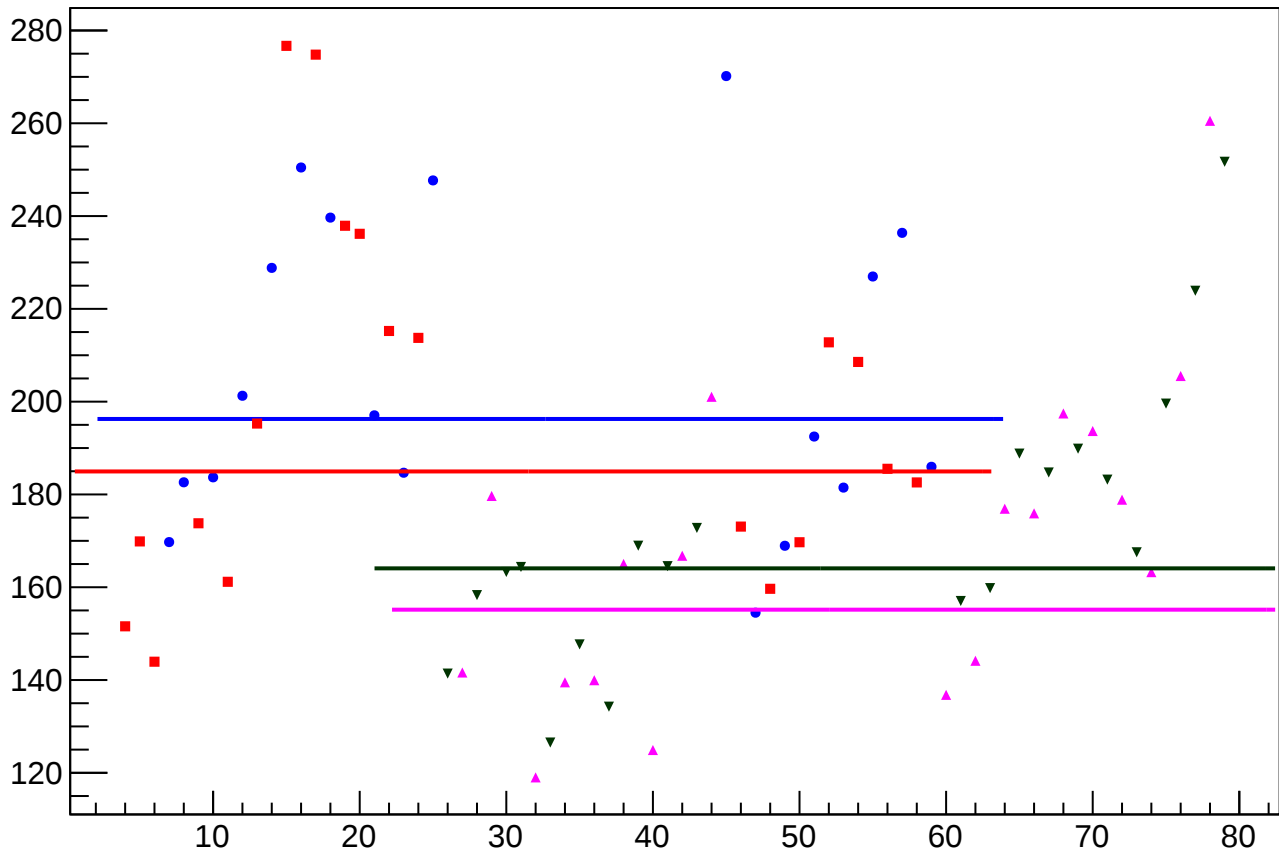
Right Out: 1059.962 ± 60.034 χ^2/NDF : 3708.7/18

Left In: -576.689 ± 48.376 χ^2/NDF : 393.7/18

410.621 ± 39.034 χ^2/NDF : 1160.7/37

67.640 ± 37.668 χ^2/NDF : 4553.1/37

asym_bpm0l01WS_rms vs slug



Right In: 196.269 ± 0.042 $\chi^2/\text{NDF}: 466122.9/17$

Left Out: 164.068 ± 0.037 $\chi^2/\text{NDF}: 480790.8/19$

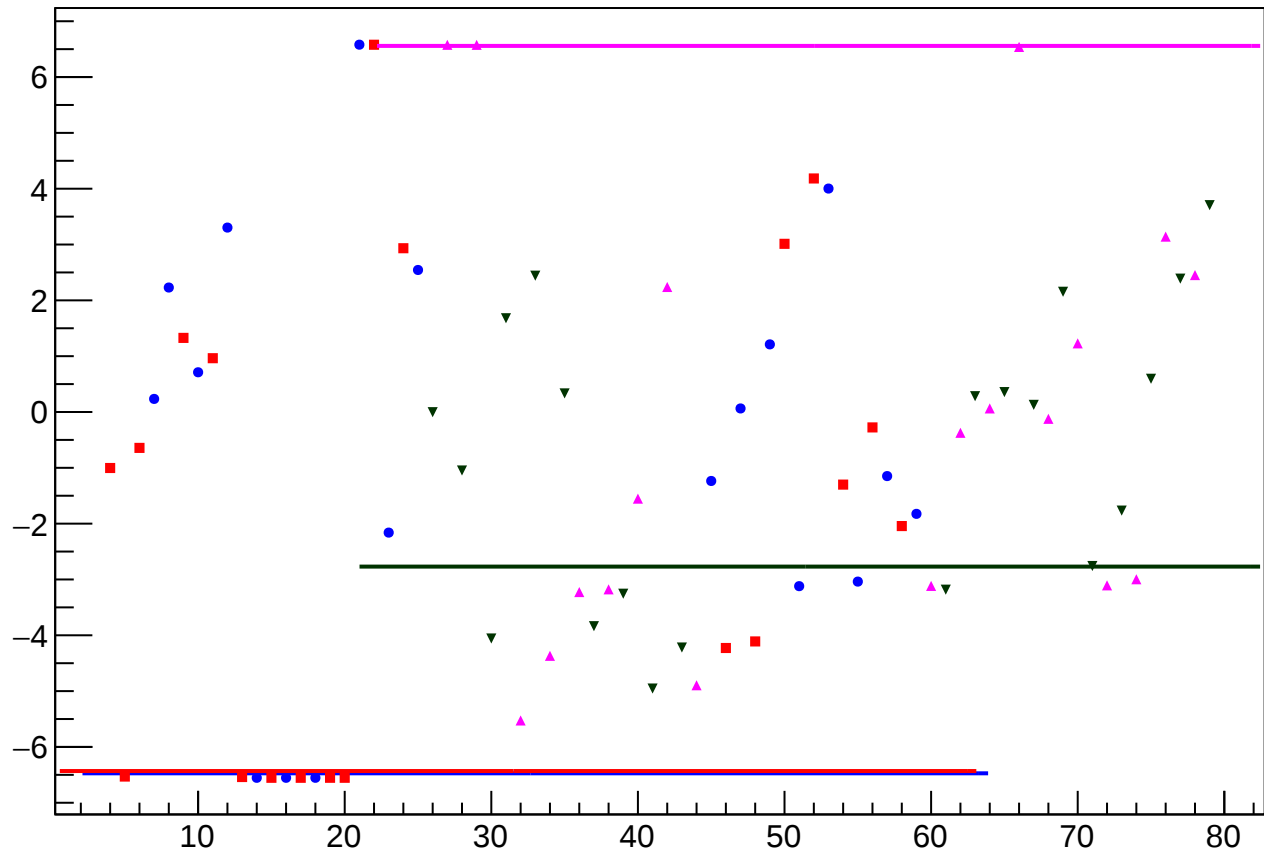
Right Out: 184.956 ± 0.042 $\chi^2/\text{NDF}: 580645.4/18$

Left In: 155.164 ± 0.034 $\chi^2/\text{NDF}: 732042.4/18$

177.860 ± 0.028 $\chi^2/\text{NDF}: 1280175.5/37$

166.893 ± 0.027 $\chi^2/\text{NDF}: 1611312.1/37$

yield_cav4bX_mean vs slug



Right In: -6.473+/-0.000 χ^2/NDF : 127847949322838.5/17

-6.473+/-0.000 χ^2/NDF : 127848024486054.2/3

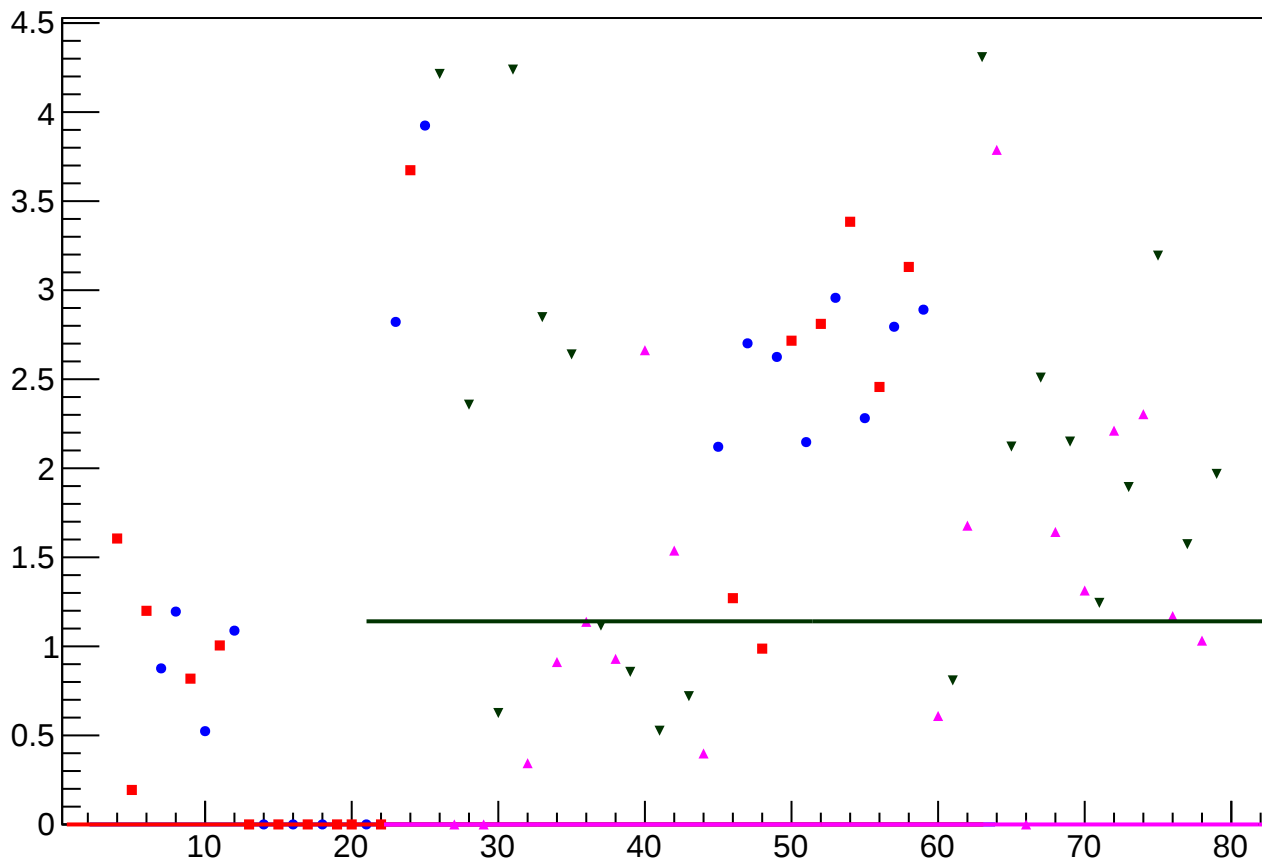
Left Out: -2.769+/-0.001 χ^2/NDF : 20704339.0/19

Right Out: -6.432+/-0.000 χ^2/NDF : 150837619676093.8/18

-6.196+/-0.000 χ^2/NDF : 446402733605510.4/3

Left In: 6.558+/-0.000 χ^2/NDF : 1583981200.0/18

yield_cav4bX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 11913804.6/17

Left Out: 1.141+/-0.000 χ^2/NDF : 4736436.0/19

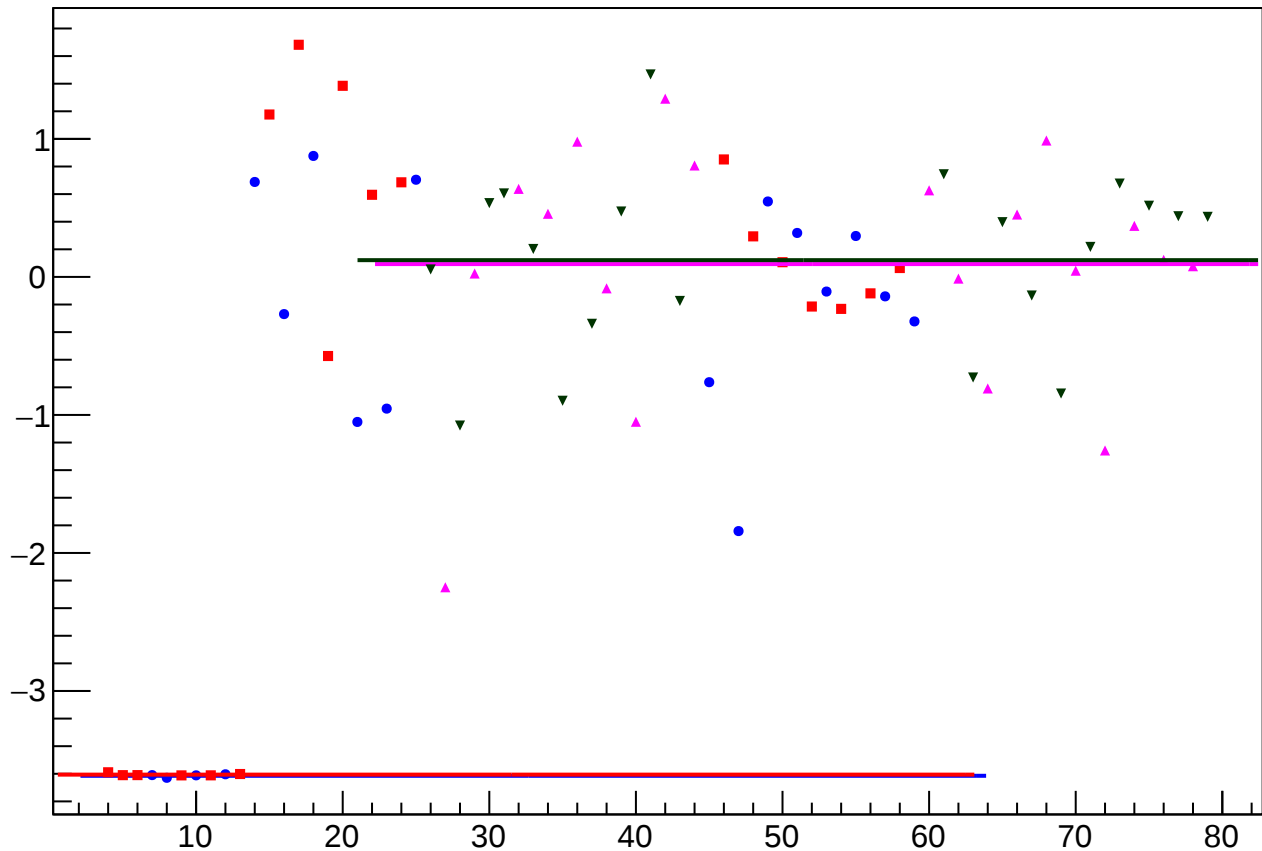
Right Out: 0.000+/-0.000 χ^2/NDF : 9626570.5/18

Left In: 0.000+/-0.000 χ^2/NDF : 11621423.8/18

0.000+/-0.000 χ^2/NDF : 26981318.1/37

0.000+/-0.000 χ^2/NDF : 21248073.0/37

yield_cav4bY_mean vs slug



Right In: -3.614+/-0.000 χ^2/NDF : 49086055221.8/17

Left Out: 0.121+/-0.000 χ^2/NDF :10768161.2/19

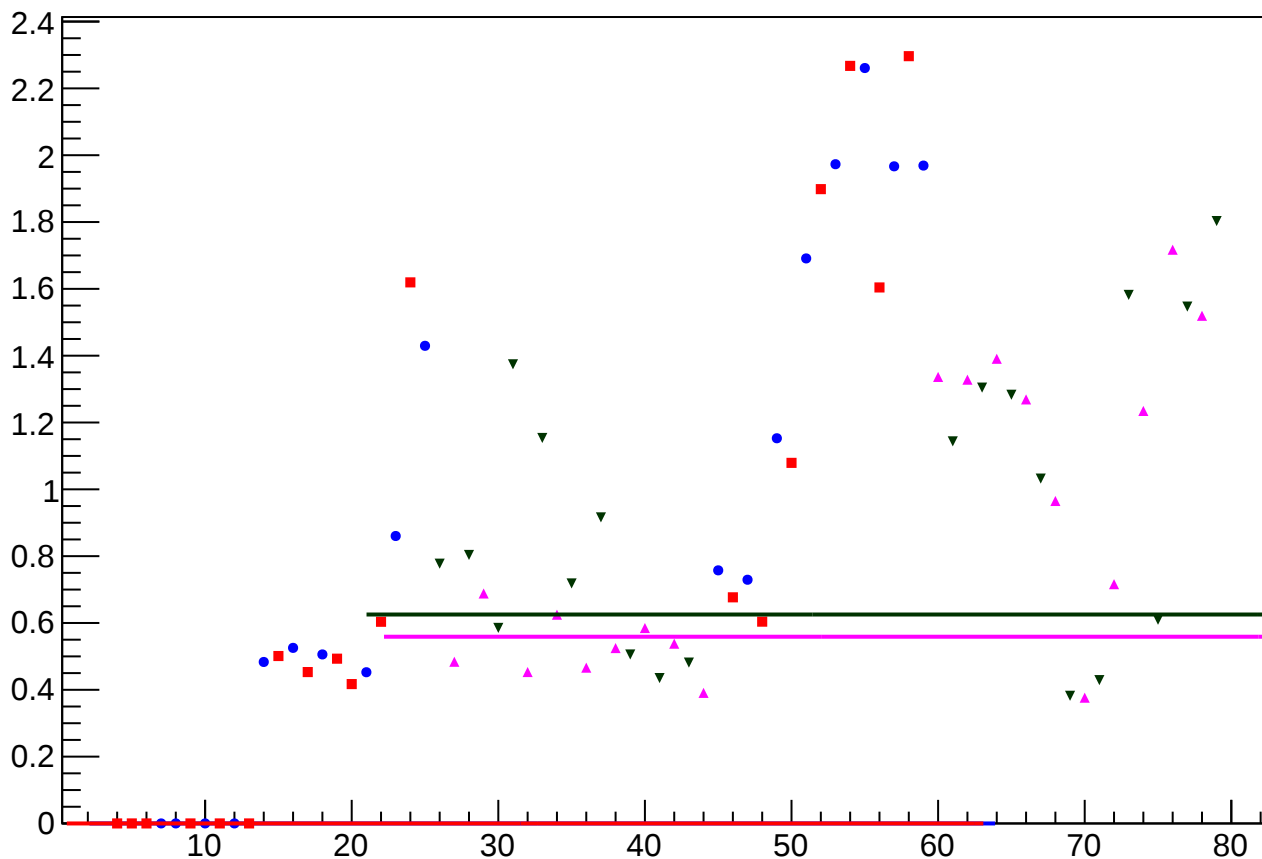
-3.614+/-0.000 χ^2/NDF : 49337363746.4/37

Right Out: -3.606+/-0.000 χ^2/NDF : 37792758949.6/18

-3.606+/-0.000 χ^2/NDF : 38117847965.0/37

Left In: 0.093+/-0.000 χ^2/NDF :21863433.8/18

yield_cav4bY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 13780215.8/17

Left Out: 0.625+/-0.000 χ^2/NDF : 3217165.9/19

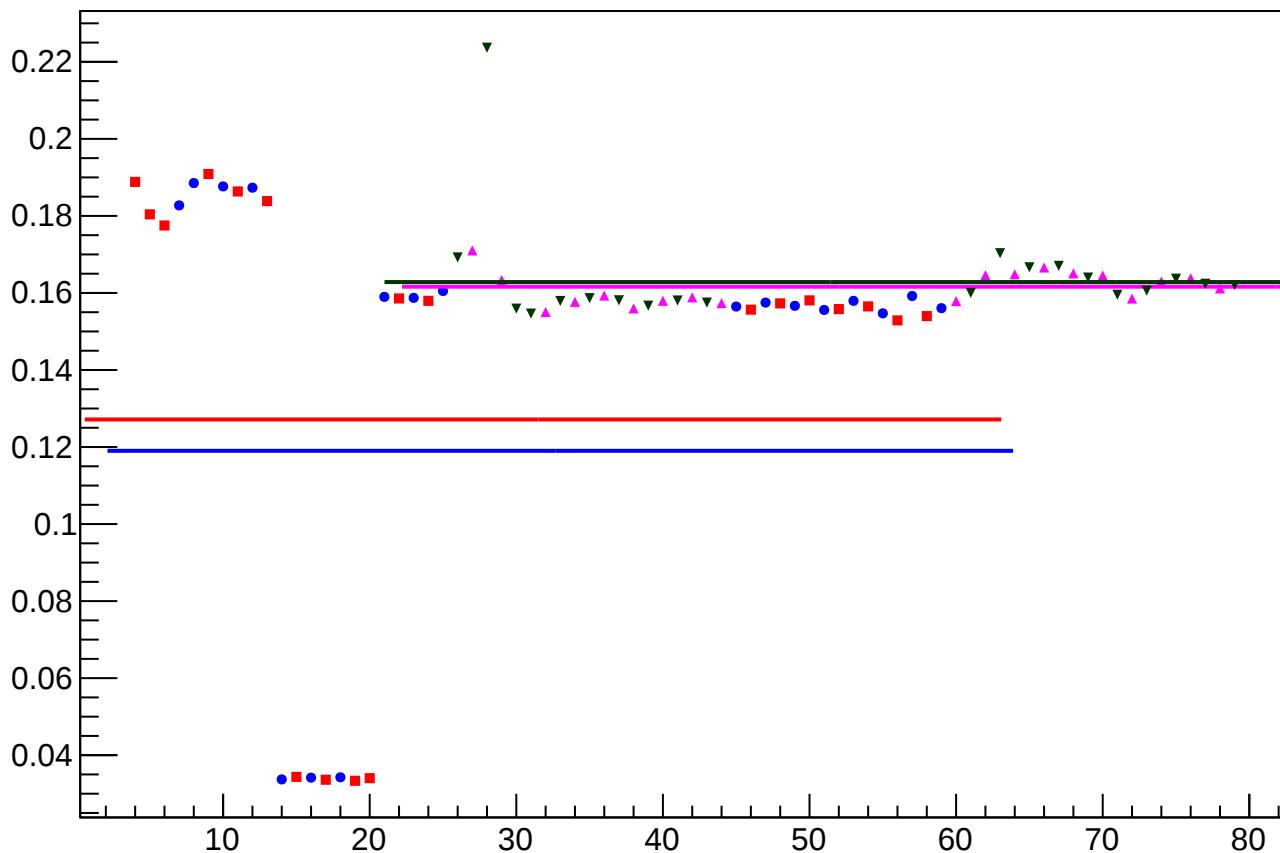
Right Out: 0.000+/-0.000 χ^2/NDF : 10531530.4/18

Left In: 0.559+/-0.000 χ^2/NDF : 3162048.4/18

0.000+/-0.000 χ^2/NDF : 30473642.8/37

0.000+/-0.000 χ^2/NDF : 27533599.7/37

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 :103038435.6/19

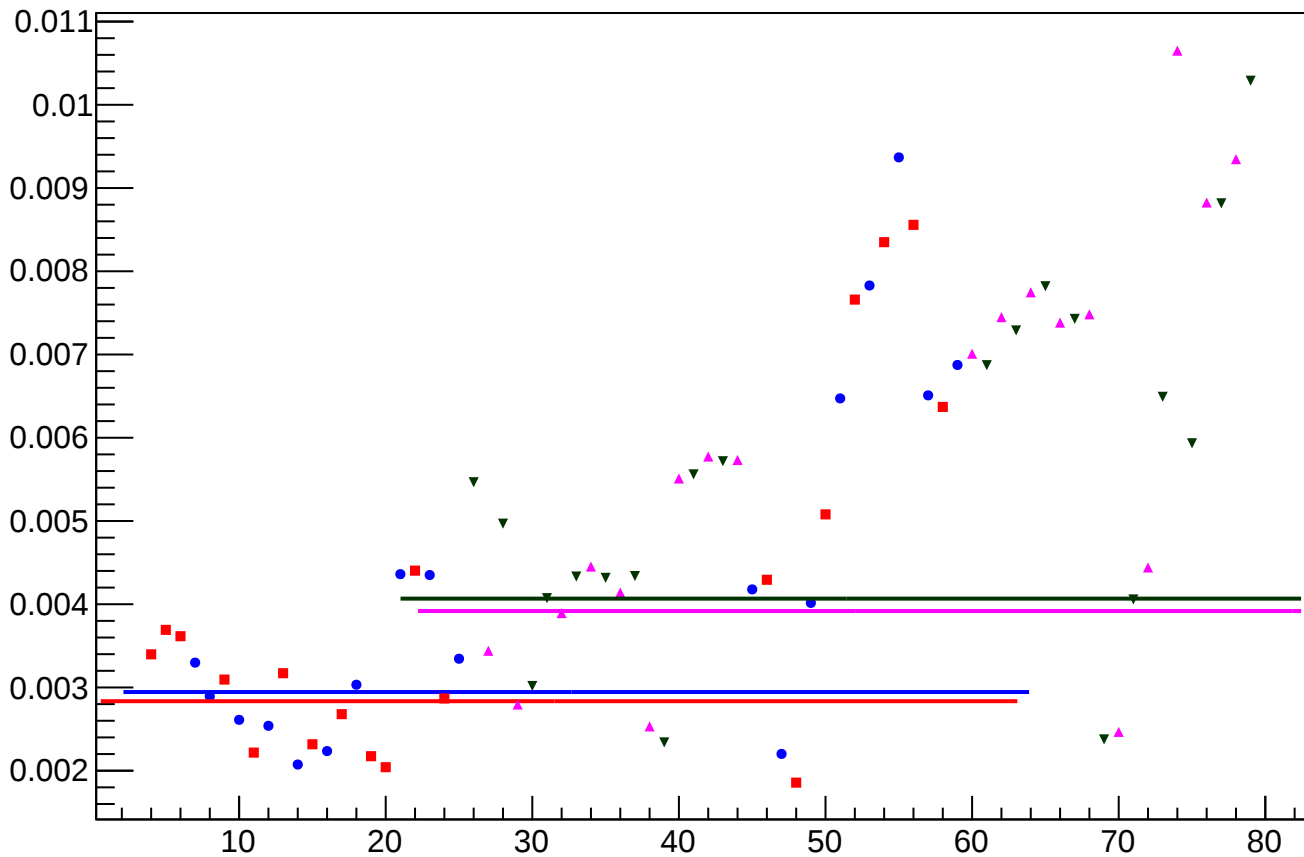
Right Out: 0.127+/-0.000 χ^2/NDF : 4426693928.8/18

Left In: 0.162+/-0.000 χ^2/NDF :13458831.4/18

0.133+/-0.000 χ^2/NDF : 5735571776.4/37

0.139+/-0.000 χ^2/NDF : 4862643791.8/37

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 :3072700.1/19

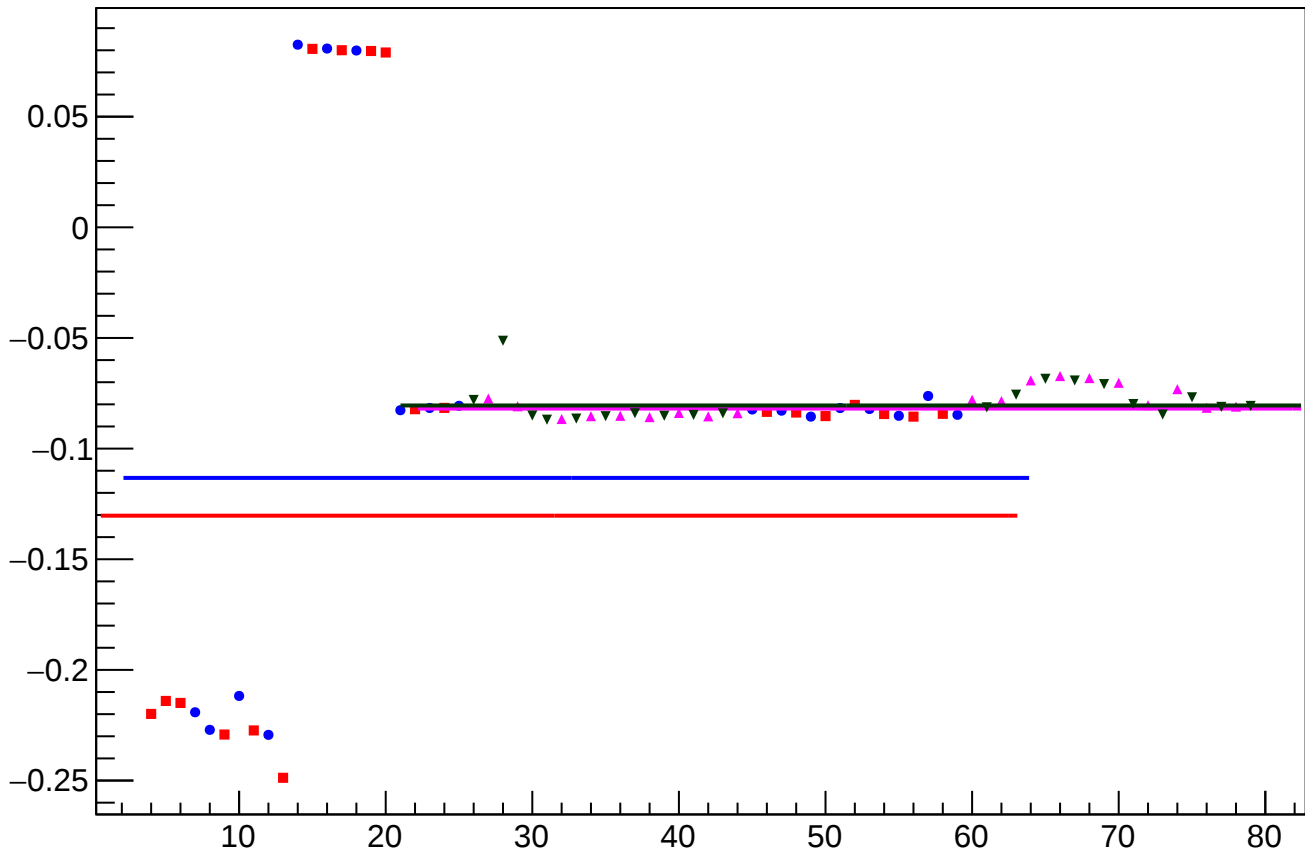
Right Out: 0.003+/-0.000 χ^2/NDF : 2697291.9/18

Left In: 0.004+/-0.000 χ^2/NDF :3292066.4/18

0.003+/-0.000 χ^2/NDF : 6921473.3/37

0.003+/-0.000 χ^2/NDF : 6824568.2/37

yield_cav4cY_mean vs slug



Right In: -0.113 ± 0.000 χ^2/NDF : 9694608559.9/17

Left Out: -0.081 ± 0.000 χ^2/NDF : 41979352.7/19

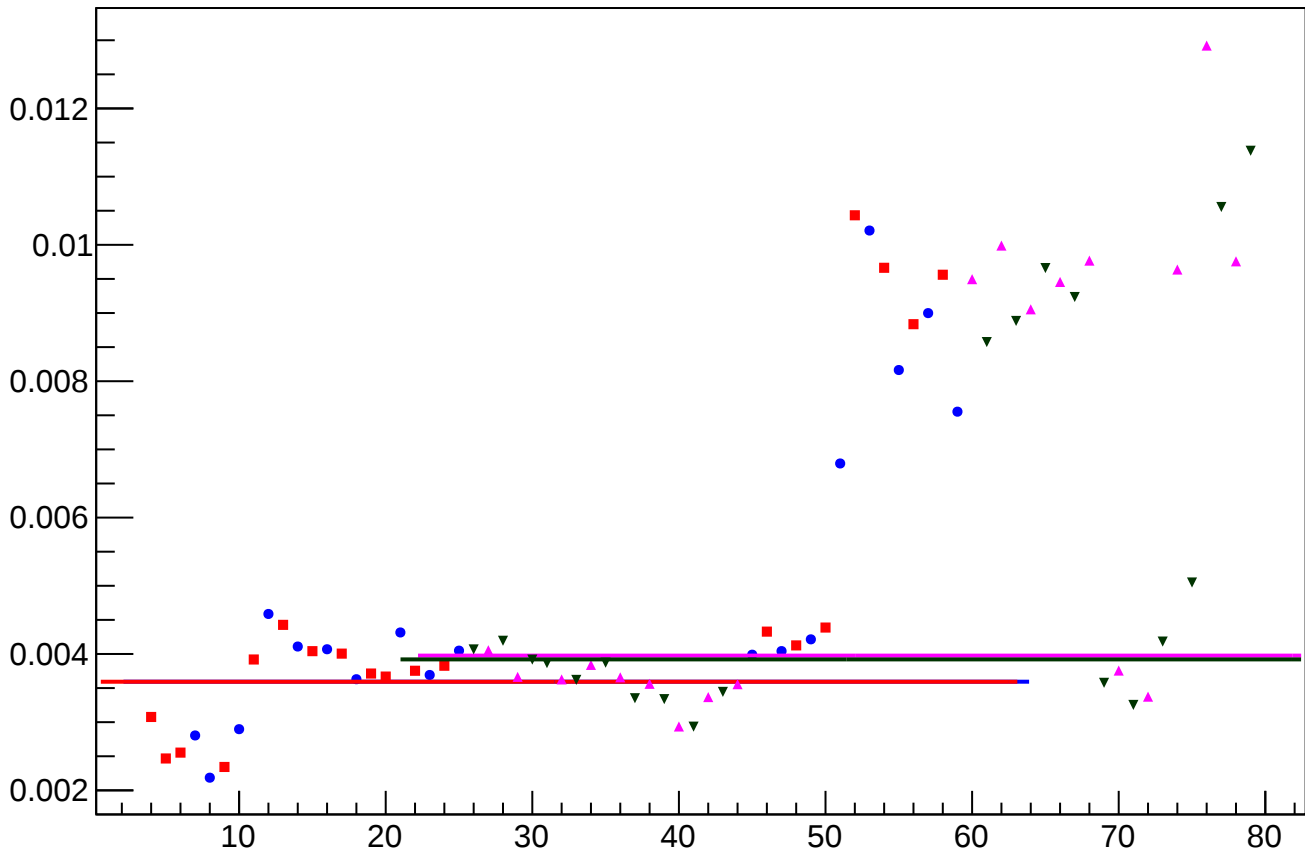
-0.099 ± 0.000 χ^2/NDF : 10074181494.6/37

Right Out: -0.130 ± 0.000 χ^2/NDF : 8867144829.5/18

-0.108 ± 0.000 χ^2/NDF : 9560646316.1/37

Left In: -0.082 ± 0.000 χ^2/NDF : 13352347.1/18

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 :2212708.1/19

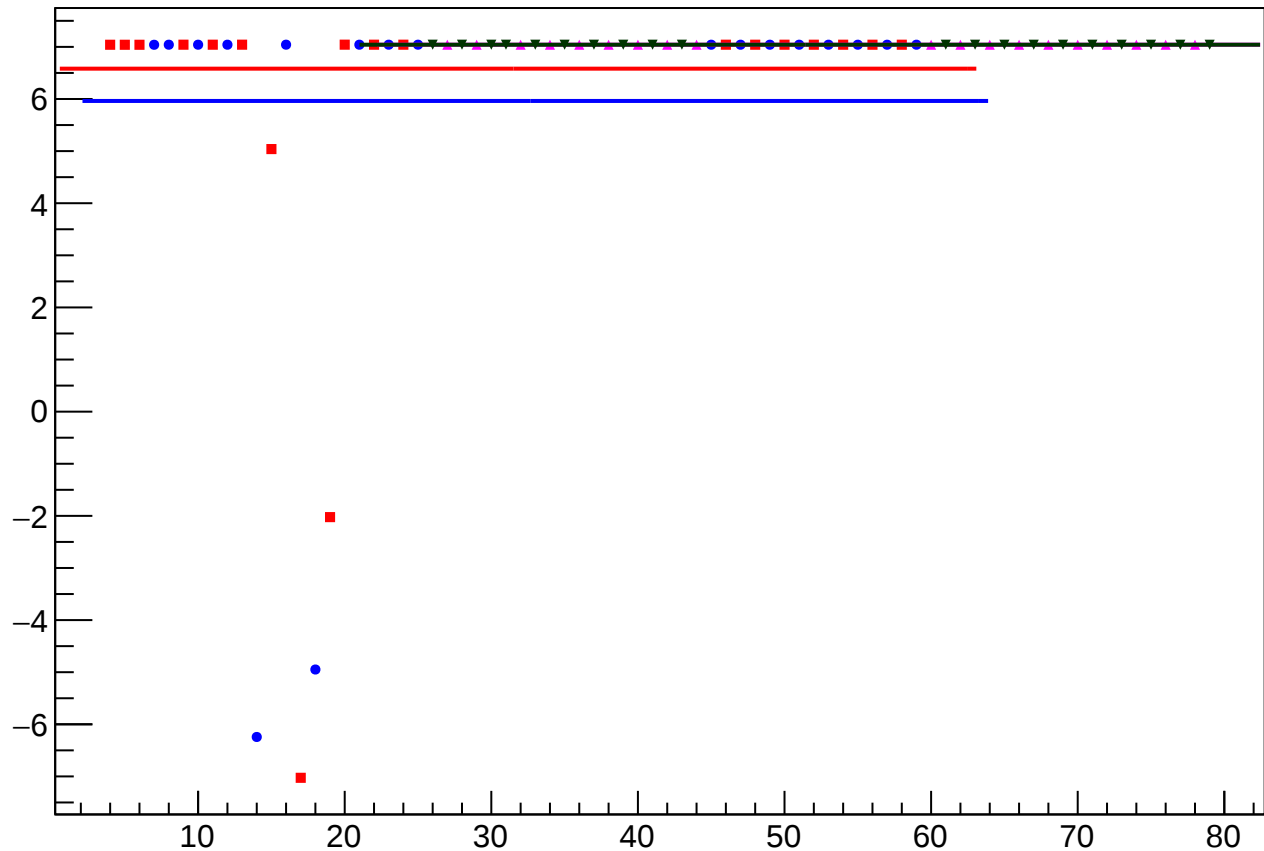
Right Out: 0.004+/-0.000 χ^2/NDF : 2225355.5/18

Left In: 0.004+/-0.000 χ^2/NDF :2696741.2/18

0.004+/-0.000 χ^2/NDF : 4916545.0/37

0.004+/-0.000 χ^2/NDF : 5007266.5/37

yield_cav4dX_mean vs slug



Right In: 5.962+/-0.000 χ^2/NDF : 4616105002600912.0/17

Left Out: 7.042+/-0.000 χ^2/NDF : 19142731.5/19

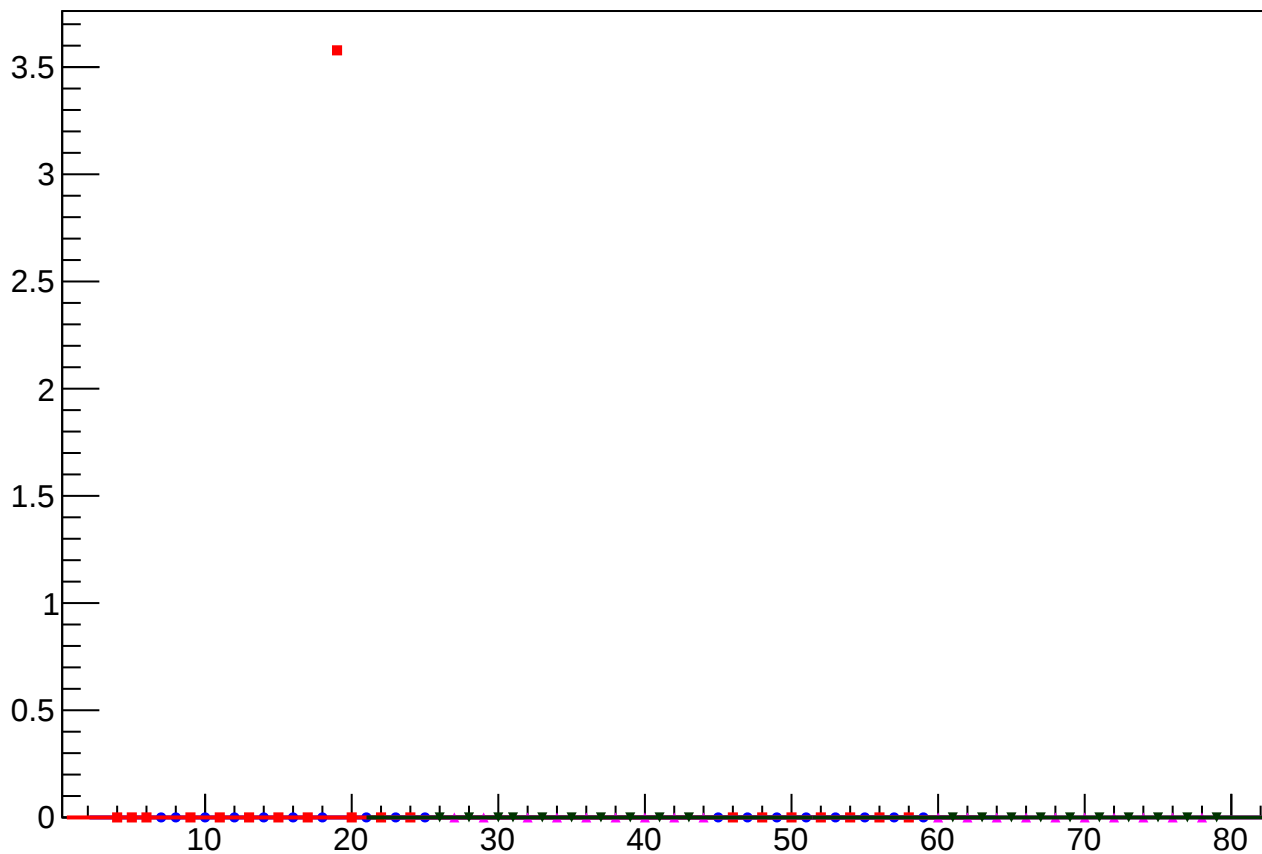
Right Out: 6.582+/-0.000 χ^2/NDF : 1856853993700647.2/18

Left In: 7.042+/-0.000 χ^2/NDF : 12395541.2/18

6.523+/-0.000 χ^2/NDF : 4832386191683241.0/3

6.843+/-0.000 χ^2/NDF : 1893504862985861.8/3

yield_cav4dX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 4282.3/17

Left Out: 0.000+/-0.000 χ^2/NDF :1848.1/19

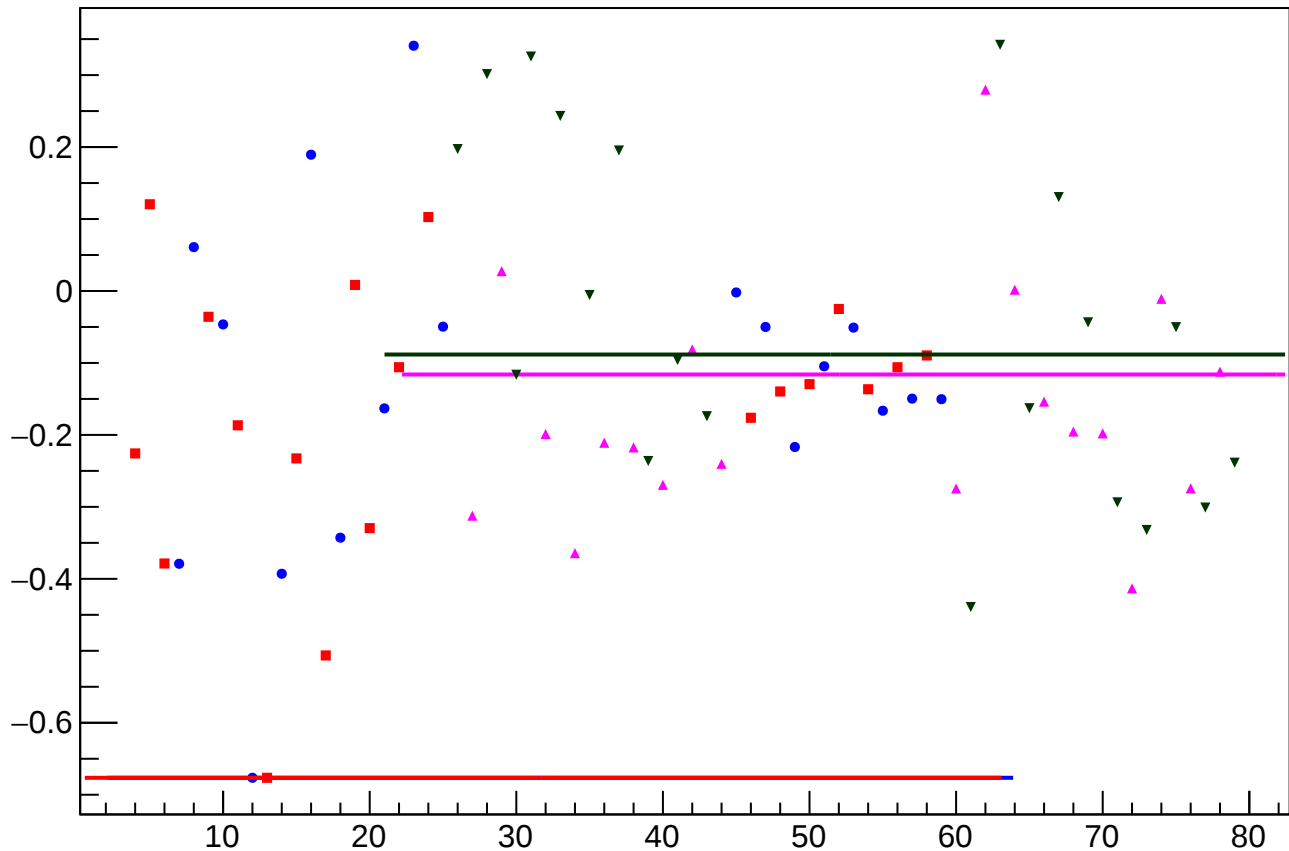
Right Out: 0.000+/-0.000 χ^2/NDF : 697661.6/18

Left In: 0.000+/-0.000 χ^2/NDF :3203.8/18

0.000+/-0.000 χ^2/NDF : 8077.7/37

0.000+/-0.000 χ^2/NDF : 703560.2/37

yield_cav4dY_mean vs slug



Right In: -0.676+/-0.000 χ^2/NDF : 266364367.2/17

Left Out: -0.088+/-0.000 χ^2/NDF : 36848839.6/19

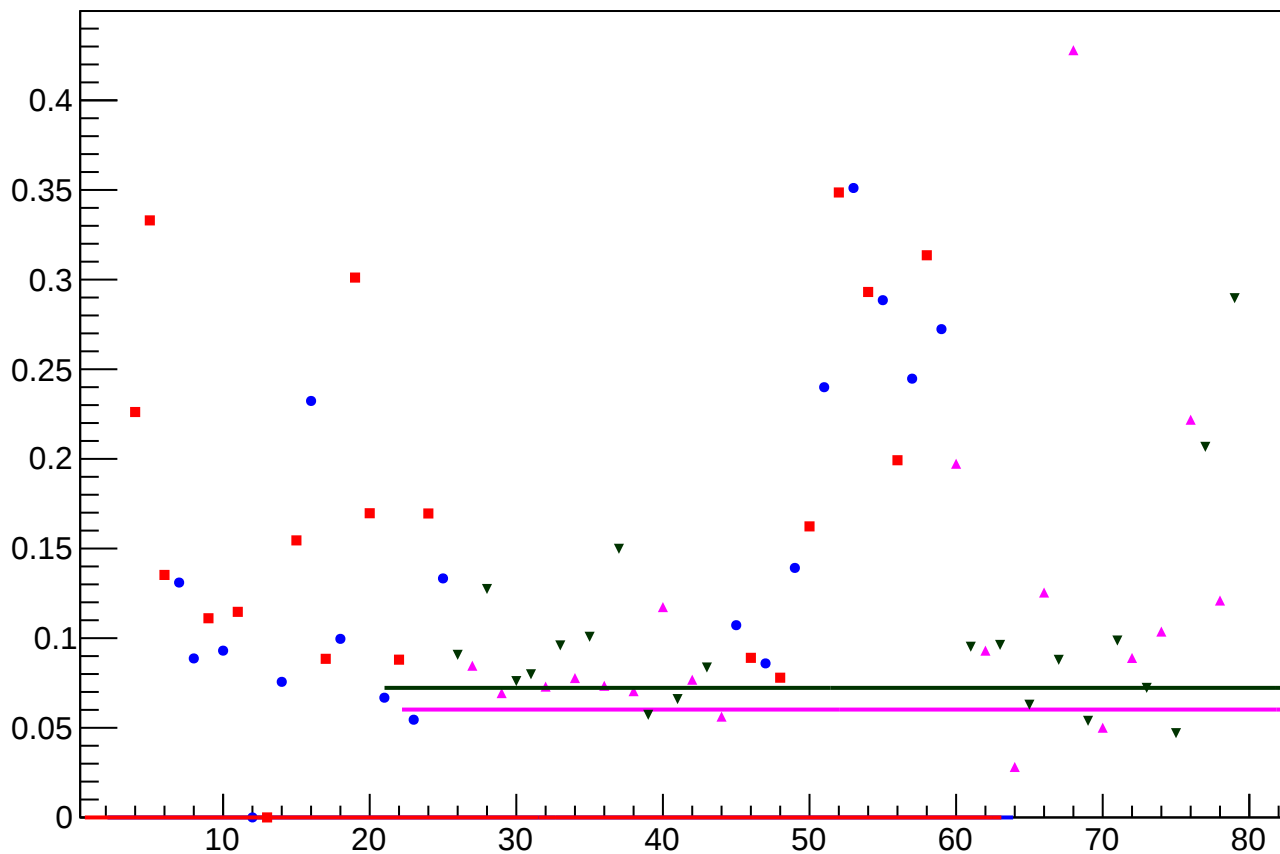
Right Out: -0.676+/-0.000 χ^2/NDF : 102004552.0/18

Left In: -0.116+/-0.000 χ^2/NDF : 29551433.8/18

-0.676+/-0.000 χ^2/NDF : 685913857.8/37

-0.676+/-0.000 χ^2/NDF : 619036566.4/37

yield_cav4dY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 16187995.6/17

Left Out: 0.072+/-0.000 χ^2/NDF :1847074.4/19

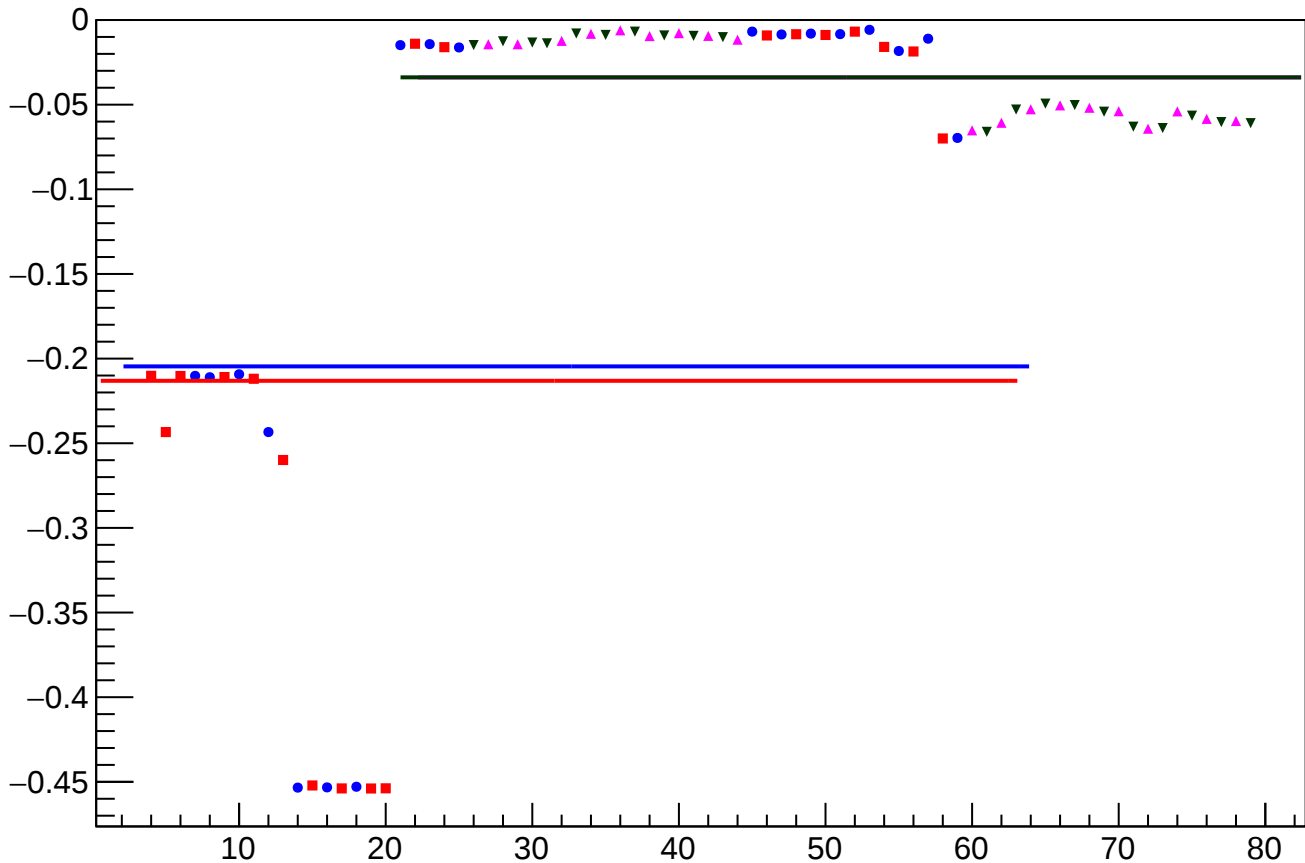
Right Out: 0.000+/-0.000 χ^2/NDF : 13760955.7/18

Left In: 0.060+/-0.000 χ^2/NDF :3702872.7/18

0.000+/-0.000 χ^2/NDF : 29589526.8/37

0.000+/-0.000 χ^2/NDF : 28698424.6/37

yield_bpm4aX_mean vs slug



Right In: -0.205+/-0.000 χ^2/NDF : 5539981697.6/17

Left Out: -0.034+/-0.000 χ^2/NDF : 65436672.9/19

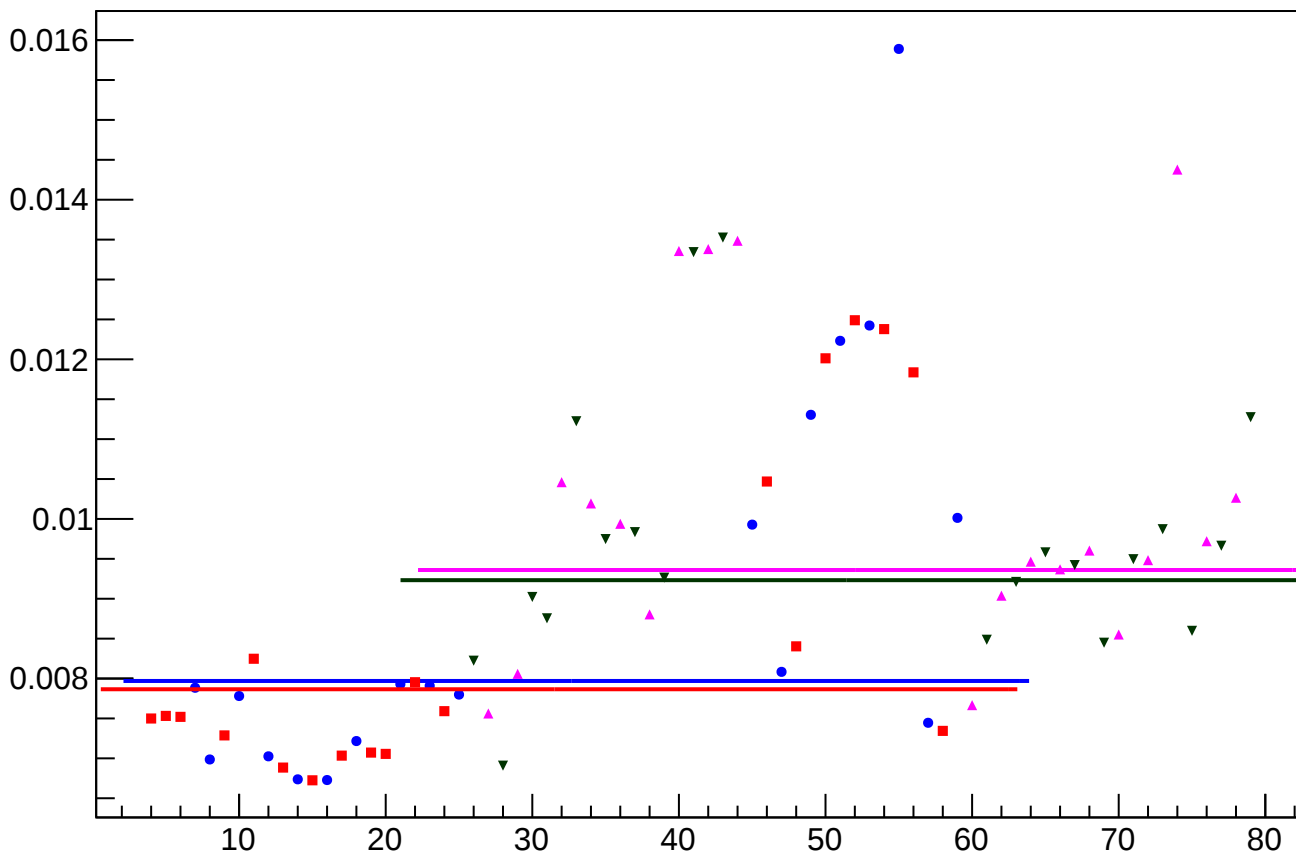
-0.134+/-0.000 χ^2/NDF : 7617838972.8/37

Right Out: -0.213+/-0.000 χ^2/NDF : 4142455601.5/18

-0.136+/-0.000 χ^2/NDF : 6331920960.2/37

Left In: -0.034+/-0.000 χ^2/NDF : 63128196.9/18

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 : 475205.4/19

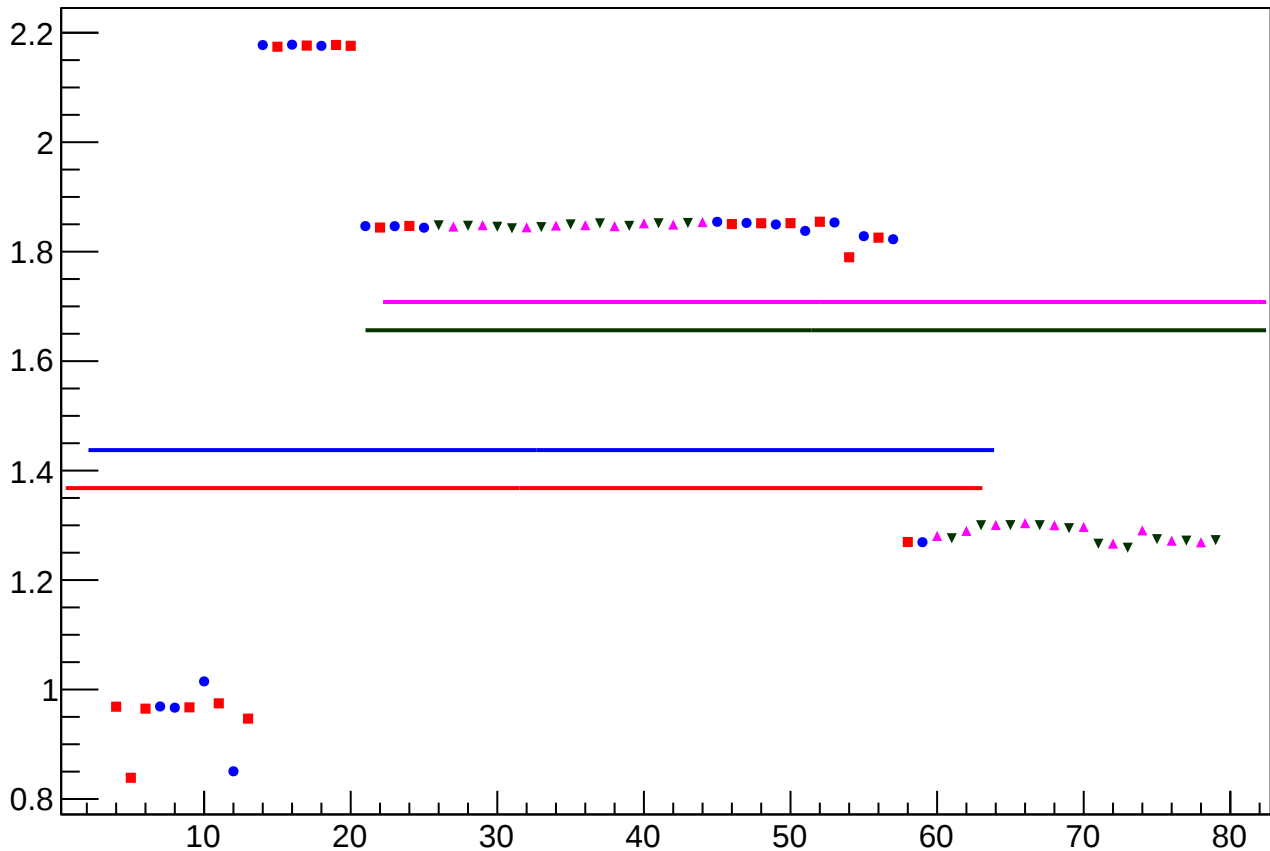
Right Out: 0.008+/-0.000 χ^2/NDF : 696189.4/18

Left In: 0.009+/-0.000 χ^2/NDF : 627221.5/18

0.008+/-0.000 χ^2/NDF : 1639195.1/37

0.009+/-0.000 χ^2/NDF : 1619240.4/37

yield_bpm4aY_mean vs slug



Right In: 1.437 $\pm$ 0.000 χ^2/NDF : 14236590294.3/17

Left Out: 1.656 $\pm$ 0.000 χ^2/NDF : 3052271673.9/19

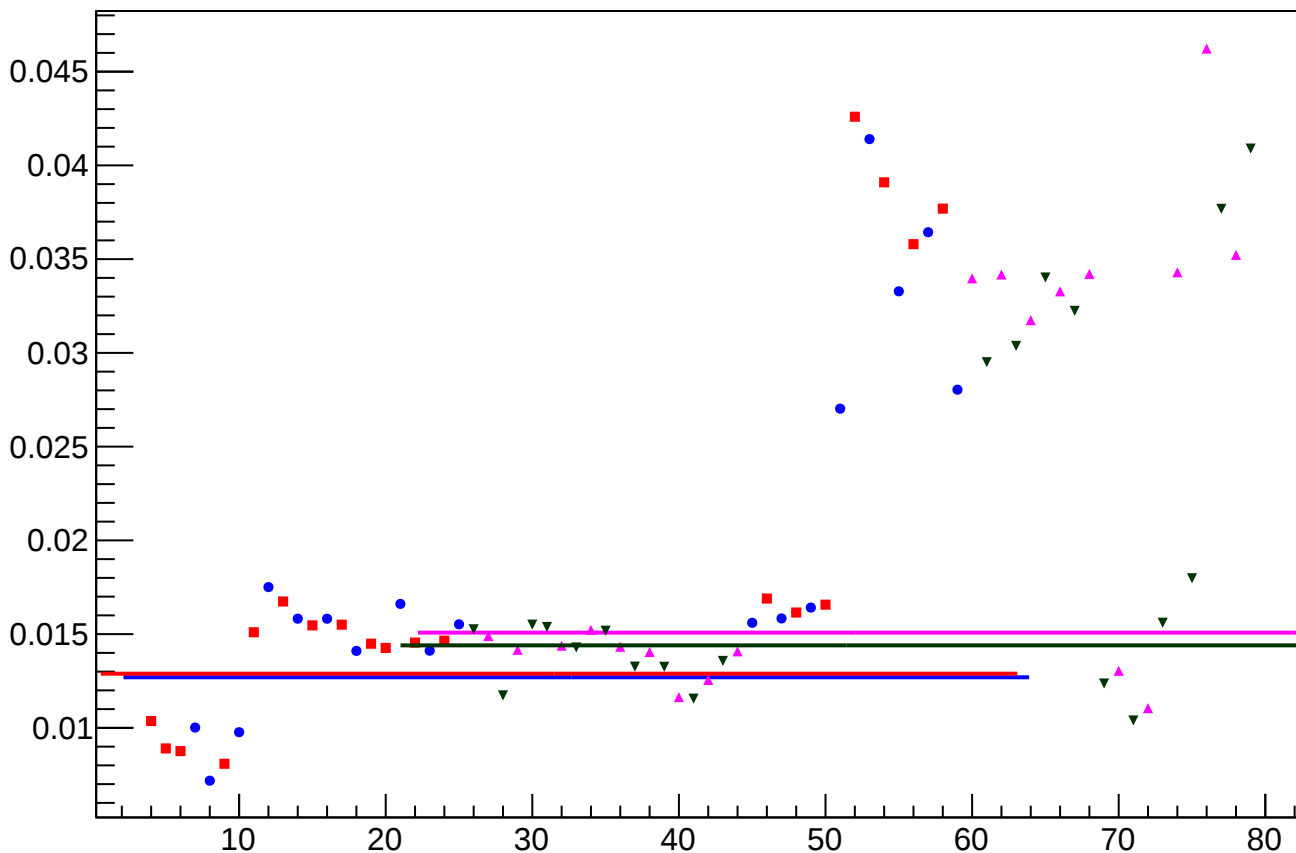
1.532 $\pm$ 0.000 χ^2/NDF : 18423100065.7/37

Right Out: 1.368 $\pm$ 0.000 χ^2/NDF : 12592500418.8/18

1.517 $\pm$ 0.000 χ^2/NDF : 17291336249.8/37

Left In: 1.708 $\pm$ 0.000 χ^2/NDF : 2250783779.2/18

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 :2160159.7/19

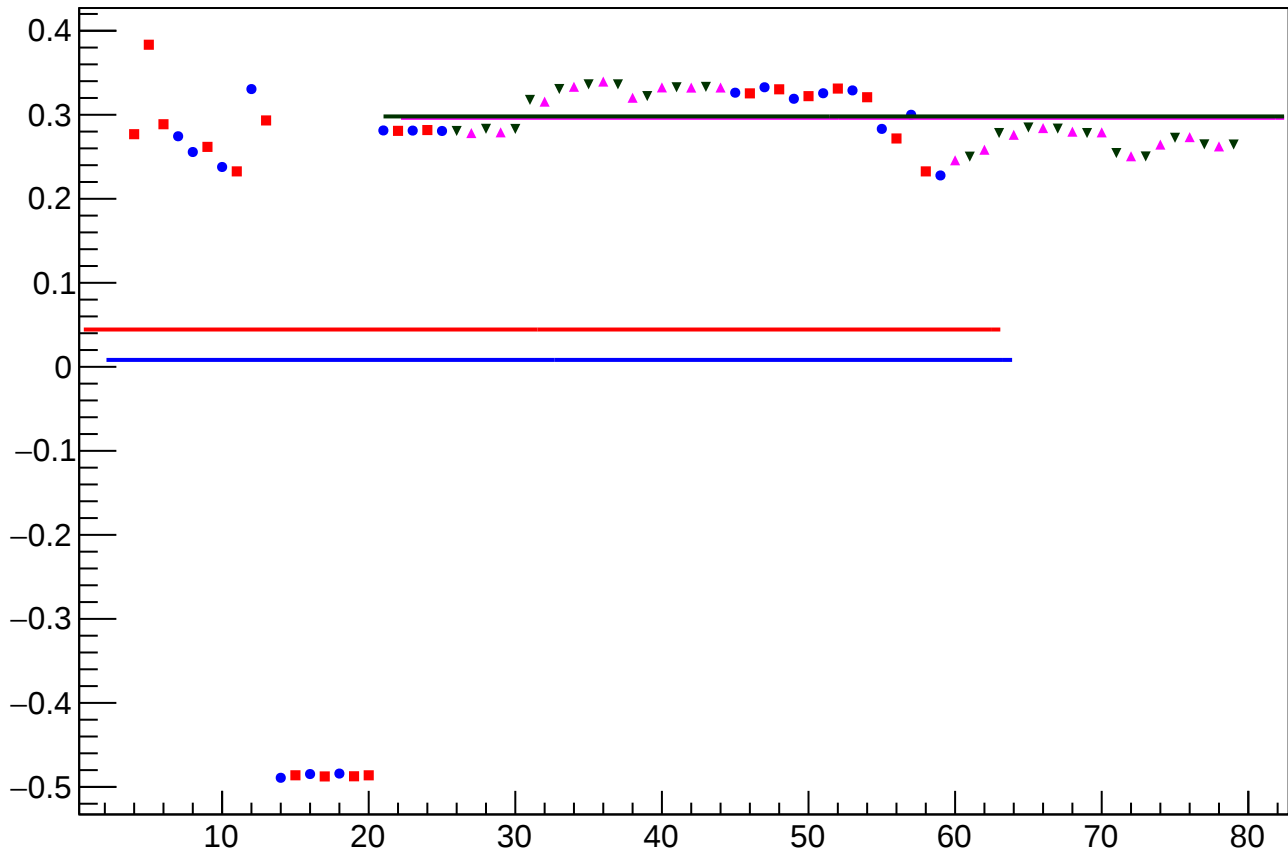
Right Out: 0.013+/-0.000 χ^2/NDF : 2814614.5/18

Left In: 0.015+/-0.000 χ^2/NDF :2506305.6/18

0.013+/-0.000 χ^2/NDF : 5832106.9/37

0.014+/-0.000 χ^2/NDF : 5524001.2/37

yield_bpm4eX_mean vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 3589016563.4/17

Left Out: 0.298+/-0.000 χ^2/NDF : 14389693.6/19

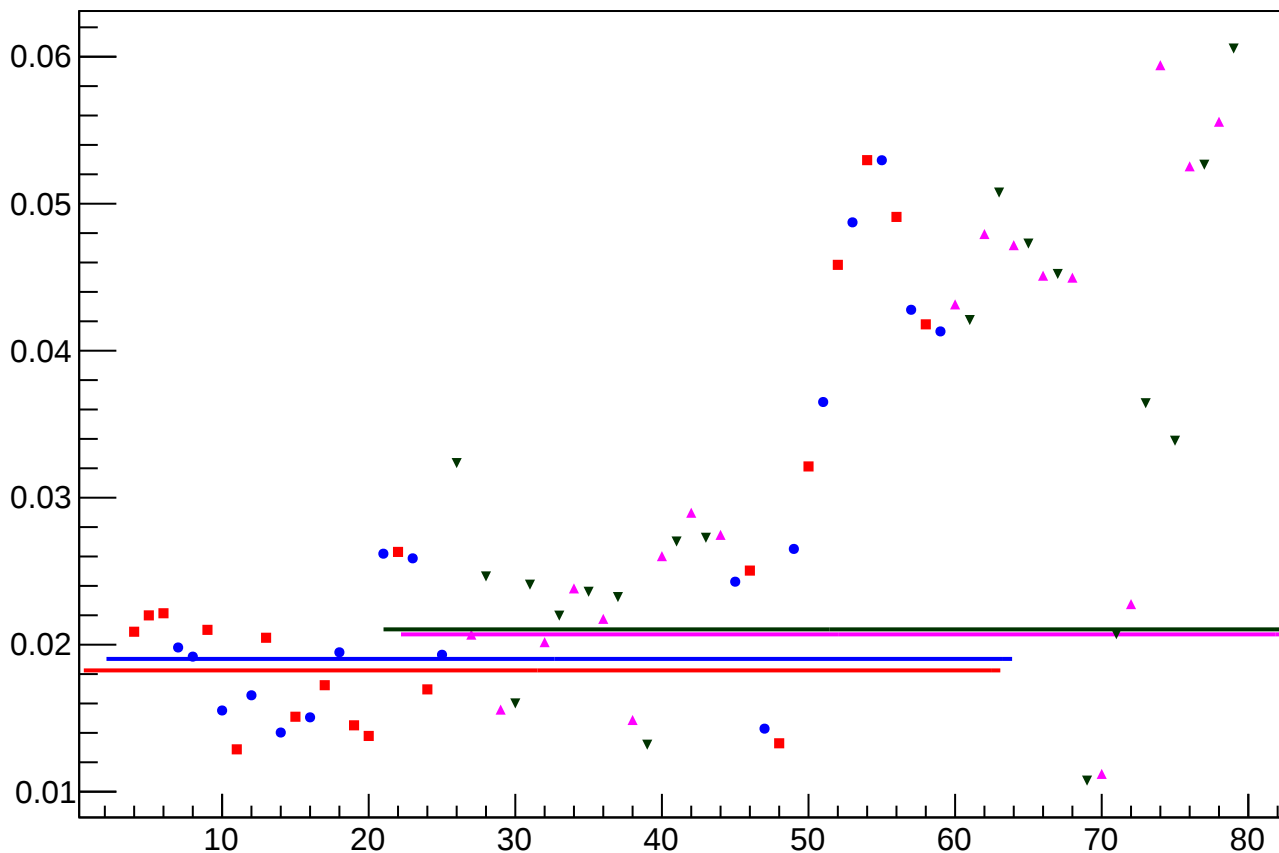
0.128+/-0.000 χ^2/NDF : 4498608412.3/37

Right Out: 0.044+/-0.000 χ^2/NDF : 3156873410.8/18

0.153+/-0.000 χ^2/NDF : 3853988067.2/37

Left In: 0.296+/-0.000 χ^2/NDF : 13383024.5/18

yield_bpm4eX_rms vs slug



Right In: 0.019+/-0.000 χ^2/NDF : 2594784.8/17

Left Out: 0.021+/-0.000 χ^2/NDF : 3763519.1/19

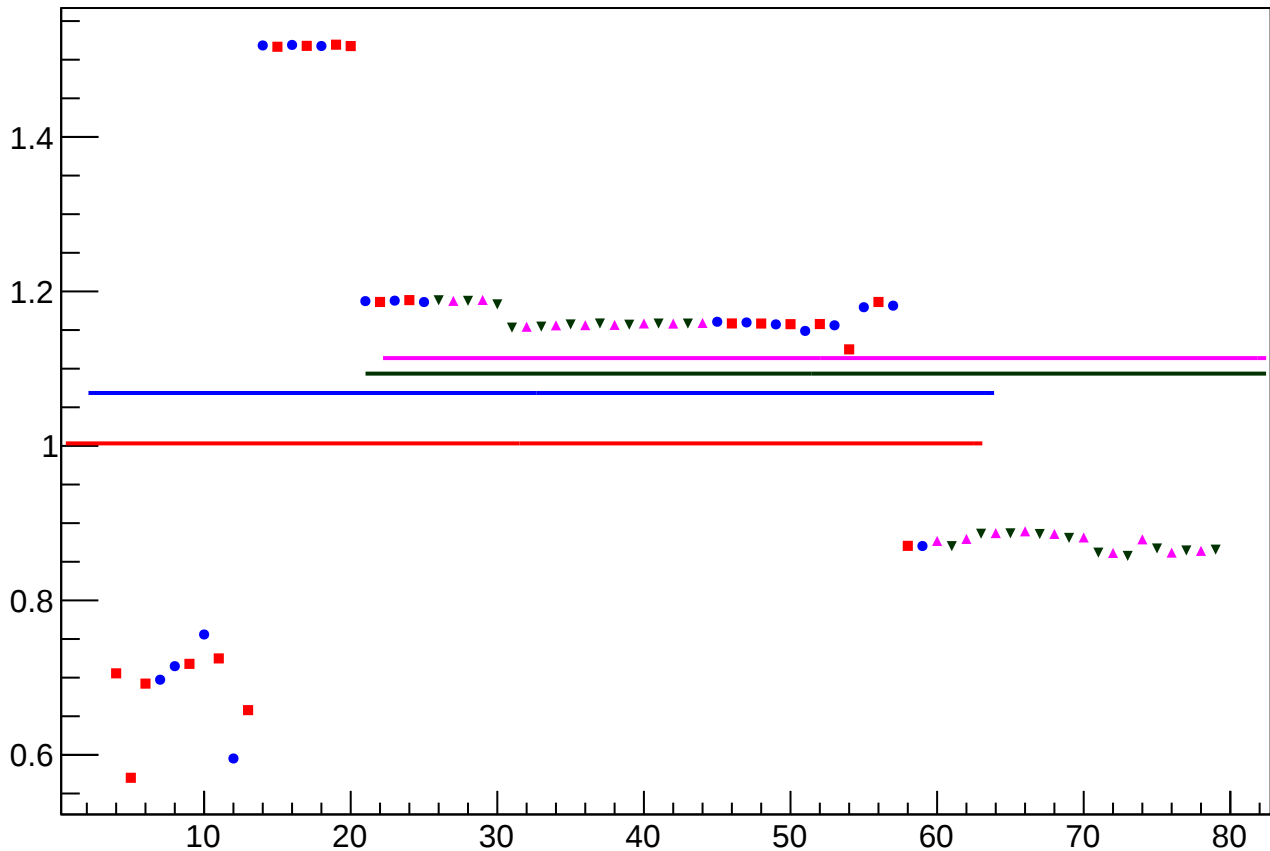
Right Out: 0.018+/-0.000 χ^2/NDF : 2485378.5/18

Left In: 0.021+/-0.000 χ^2/NDF : 3780178.9/18

0.020+/-0.000 χ^2/NDF : 6444458.2/37

0.019+/-0.000 χ^2/NDF : 6395050.8/37

yield_bpm4eY_mean vs slug



Right In: 1.069+/-0.000 χ^2/NDF : 10548206682.3/17

Left Out: 1.094+/-0.000 χ^2/NDF : 1451792750.1/19

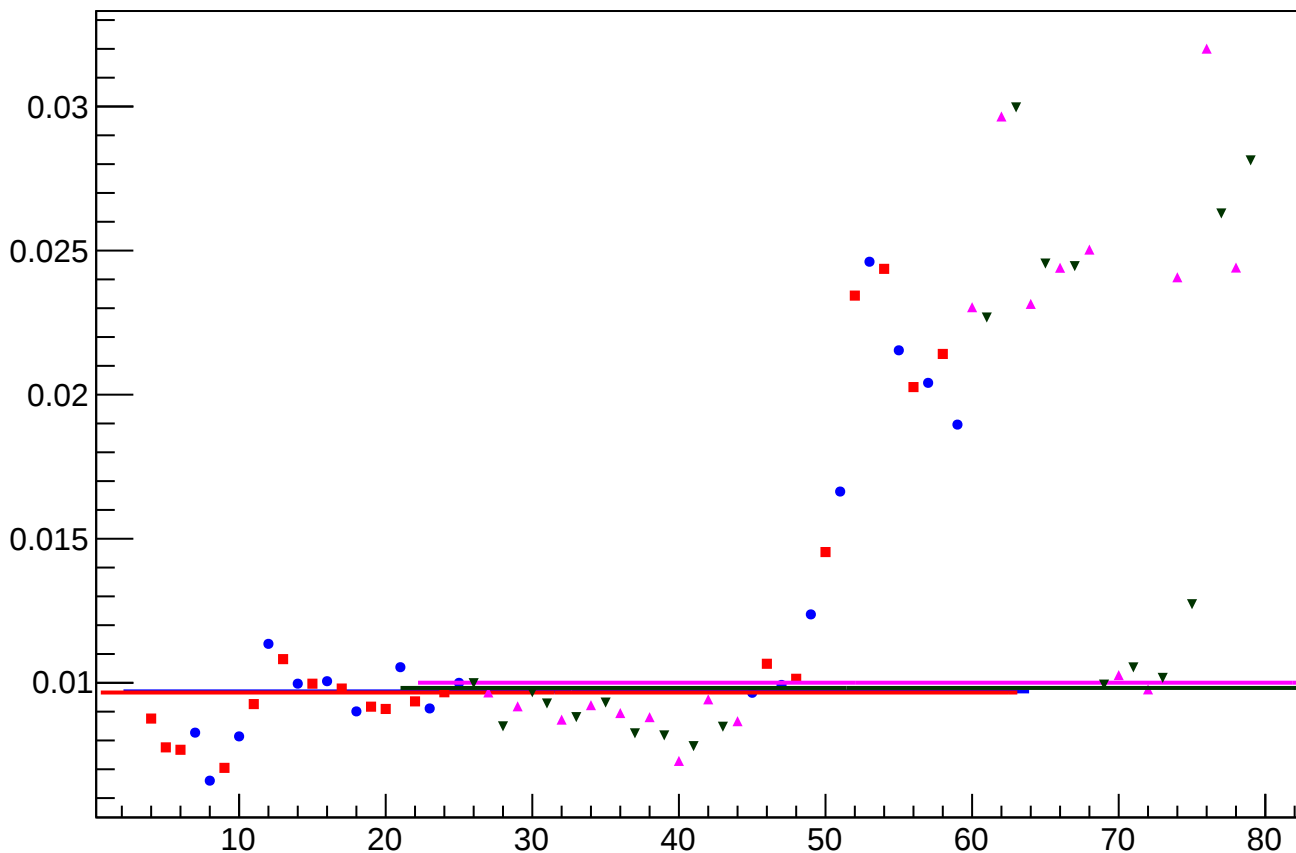
1.080+/-0.000 χ^2/NDF : 12029877496.9/37

Right Out: 1.003+/-0.000 χ^2/NDF : 10291656361.5/18

1.056+/-0.000 χ^2/NDF : 11872032596.7/37

Left In: 1.114+/-0.000 χ^2/NDF : 1046179416.9/18

yield_bpm4eY_rms vs slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1905622.6/17

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:2344695.2/19

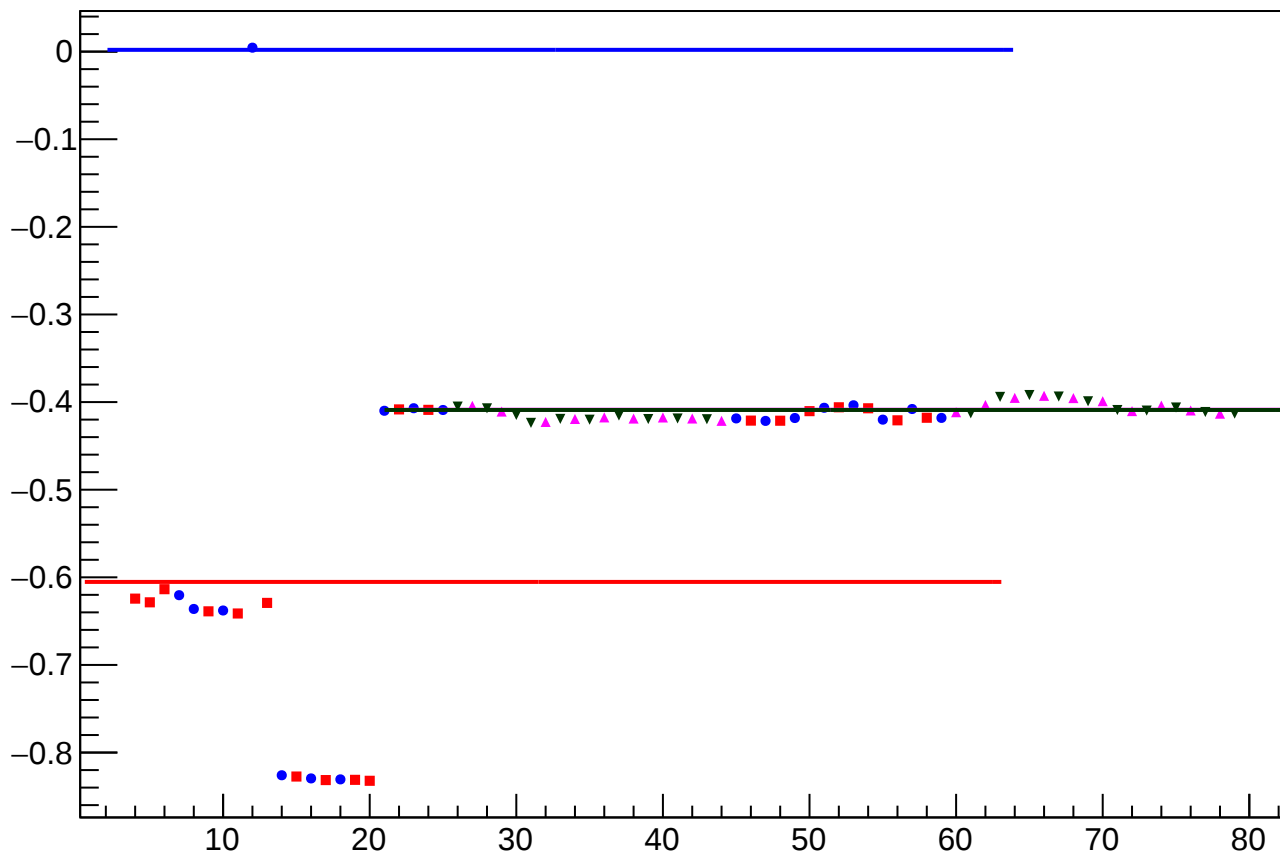
Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1597012.3/18

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:2767801.5/18

0.010 $\pm$ 0.000 χ^2 /NDF: 4251676.7/37

0.010 $\pm$ 0.000 χ^2 /NDF: 4374994.4/37

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 : 9386615.6/19

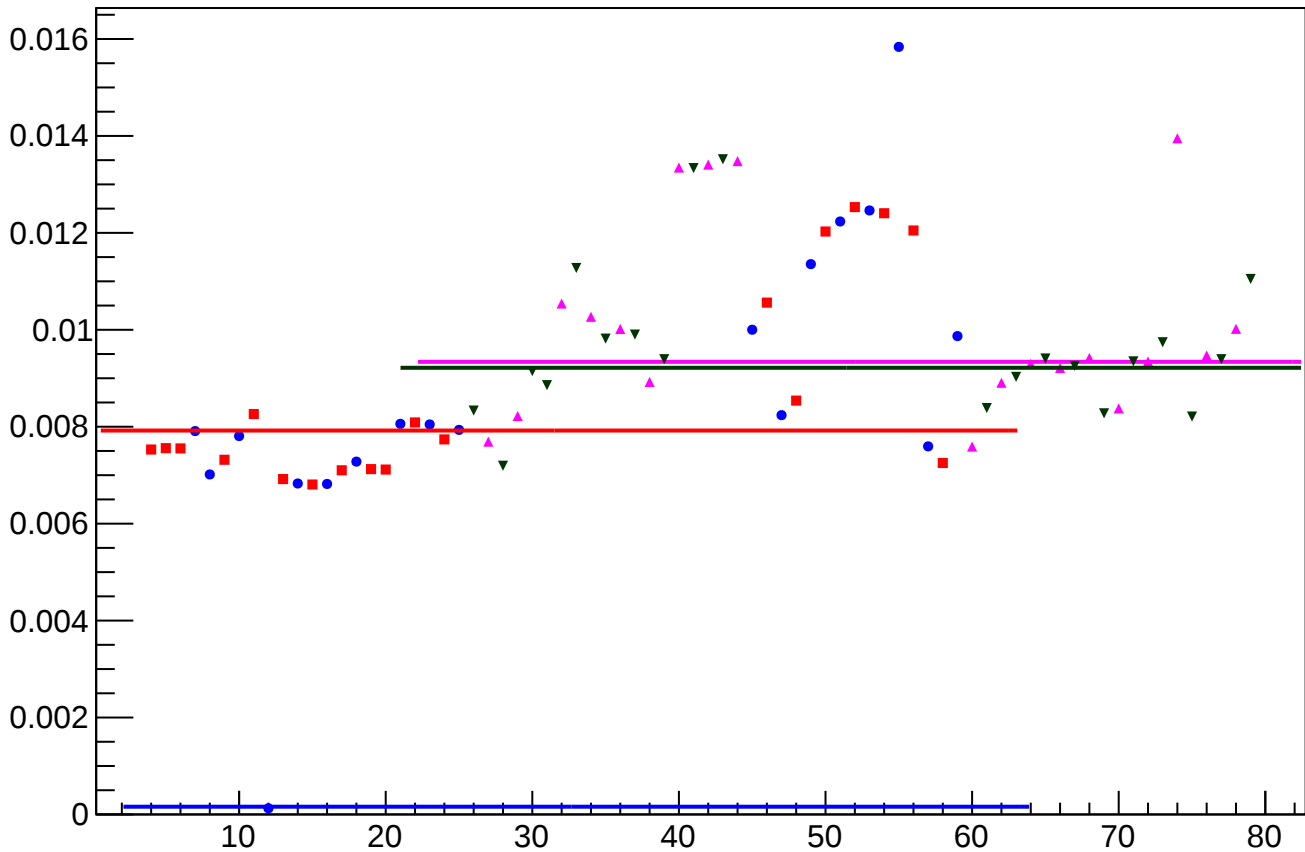
Right Out: -0.605+/-0.000 χ^2/NDF : 3819629229.5/18

Left In: -0.409+/-0.000 χ^2/NDF : 9183714.0/18

0.001+/-0.000 χ^2/NDF : 79697984283.4/37

-0.519+/-0.000 χ^2/NDF : 6380492951.8/37

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 :435676.1/19

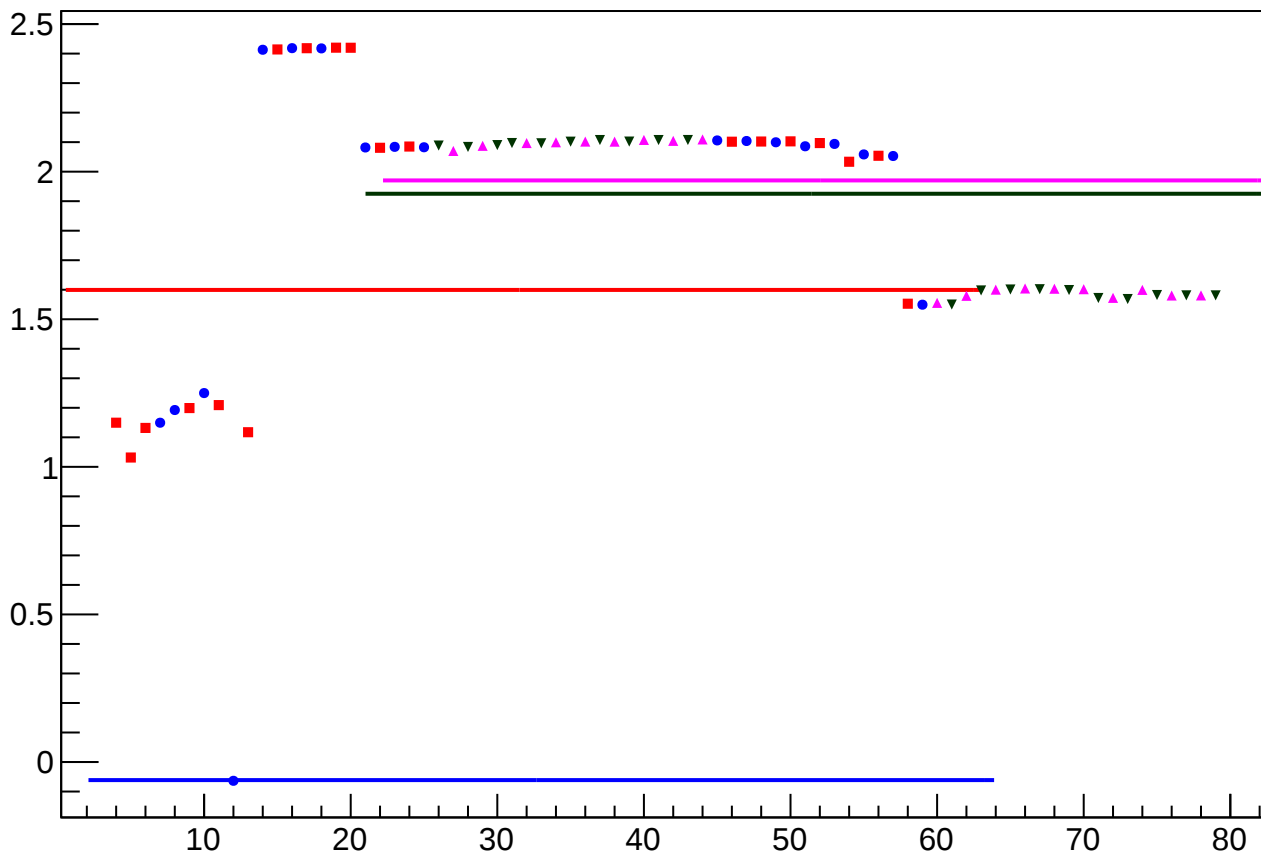
Right Out: 0.008+/-0.000 χ^2/NDF : 697414.3/18

Left In: 0.009+/-0.000 χ^2/NDF :598093.2/18

0.000+/-0.000 χ^2/NDF : 40056313.7/37

0.009+/-0.000 χ^2/NDF : 1561054.5/37

yield_bpm4acY_mean vs slug



Right In: -0.061+/-0.000 χ^2/NDF : 171003968524.2/17

Left Out: 1.925+/-0.000 χ^2/NDF : 2415010761.4/19

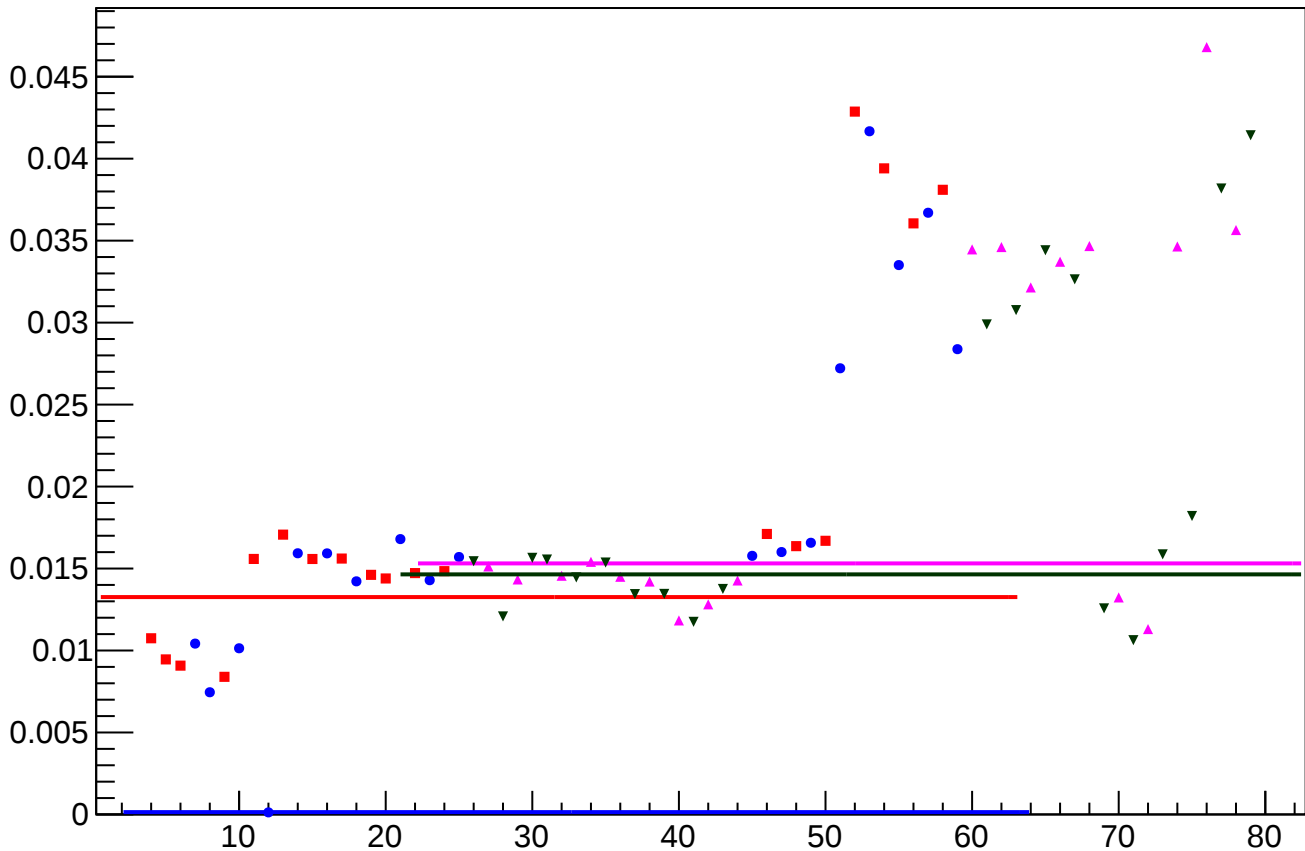
Right Out: 1.599+/-0.000 χ^2/NDF : 13096029057.2/18

Left In: 1.970+/-0.000 χ^2/NDF : 1775732798.5/18

-0.059+/-0.000 χ^2/NDF : 332668336474.8/37

1.764+/-0.000 χ^2/NDF : 17673984906.2/37

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 : 2134417.3/19

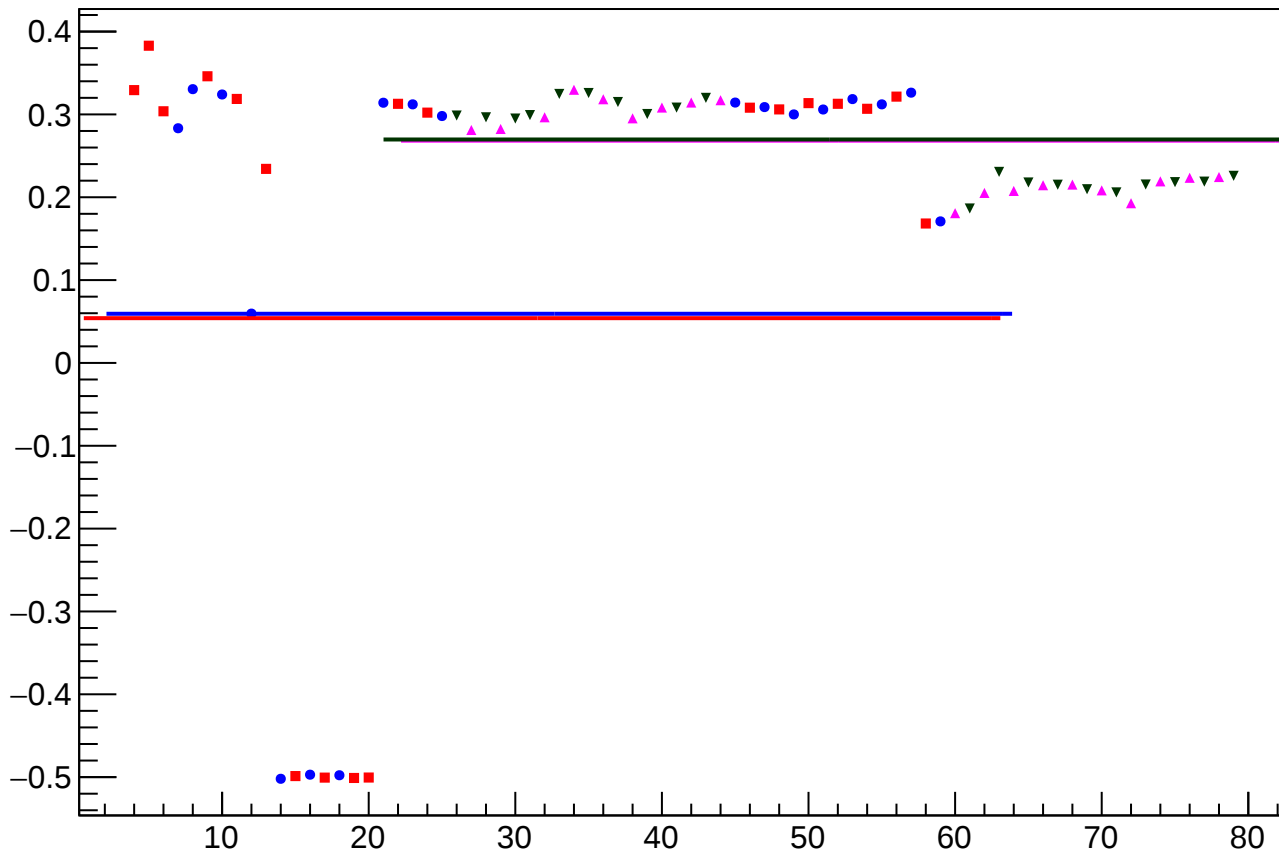
Right Out: 0.013+/-0.000 χ^2/NDF : 2690130.8/18

Left In: 0.015+/-0.000 χ^2/NDF : 2490947.5/18

0.000+/-0.000 χ^2/NDF : 38740111.8/37

0.014+/-0.000 χ^2/NDF : 5352866.1/37

yield_bpm4ecX_mean vs slug



Right In: 0.059 $\pm$ 0.000 χ^2 /NDF: 3888801914.2/17

Left Out: 0.270 $\pm$ 0.000 χ^2 /NDF:40391053.3/19

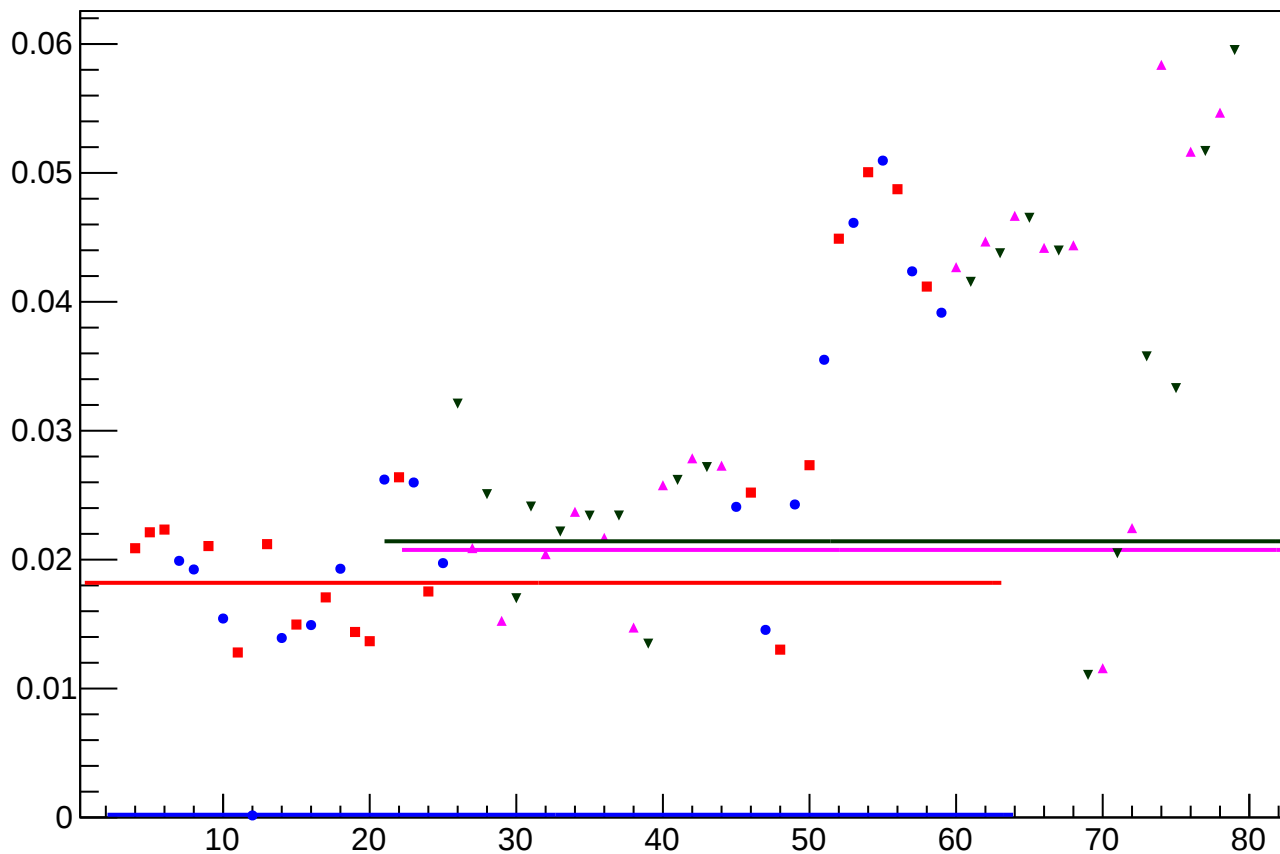
0.060 $\pm$ 0.000 χ^2 /NDF: 4719686133.4/37

Right Out: 0.054 $\pm$ 0.000 χ^2 /NDF: 3509628523.3/18

0.147 $\pm$ 0.000 χ^2 /NDF: 4046471941.1/37

Left In: 0.268 $\pm$ 0.000 χ^2 /NDF:37701492.1/18

yield_bpm4ecX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 19749394.2/17

Left Out: 0.021+/-0.000 χ^2/NDF : 3461155.1/19

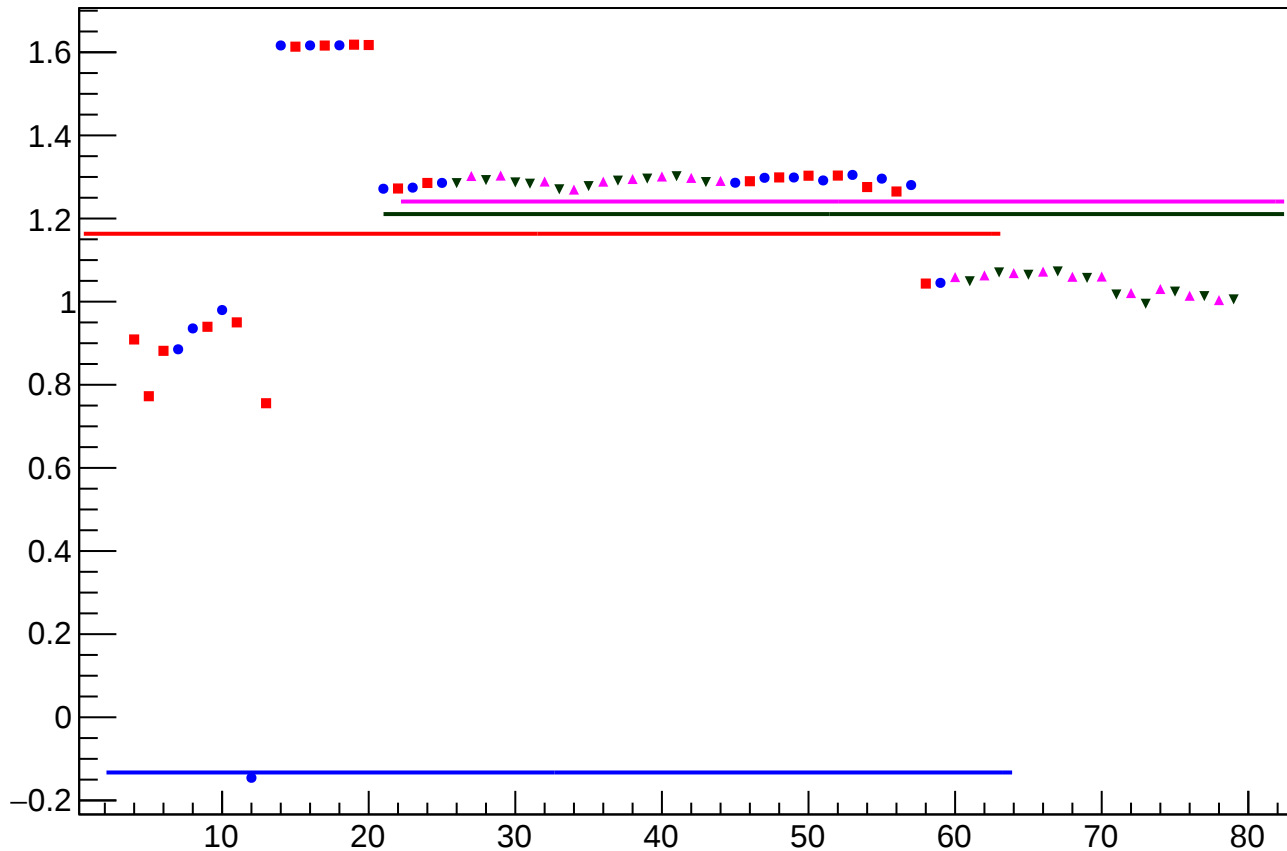
Right Out: 0.018+/-0.000 χ^2/NDF : 2422437.2/18

Left In: 0.021+/-0.000 χ^2/NDF : 3636875.6/18

0.000+/-0.000 χ^2/NDF : 39285039.5/37

0.019+/-0.000 χ^2/NDF : 6200952.1/37

yield_bpm4ecY_mean vs slug



Right In: -0.133+/-0.000 χ^2/NDF : 169320914657.8/17

Left Out: 1.211+/-0.000 χ^2/NDF : 1039796780.5/19

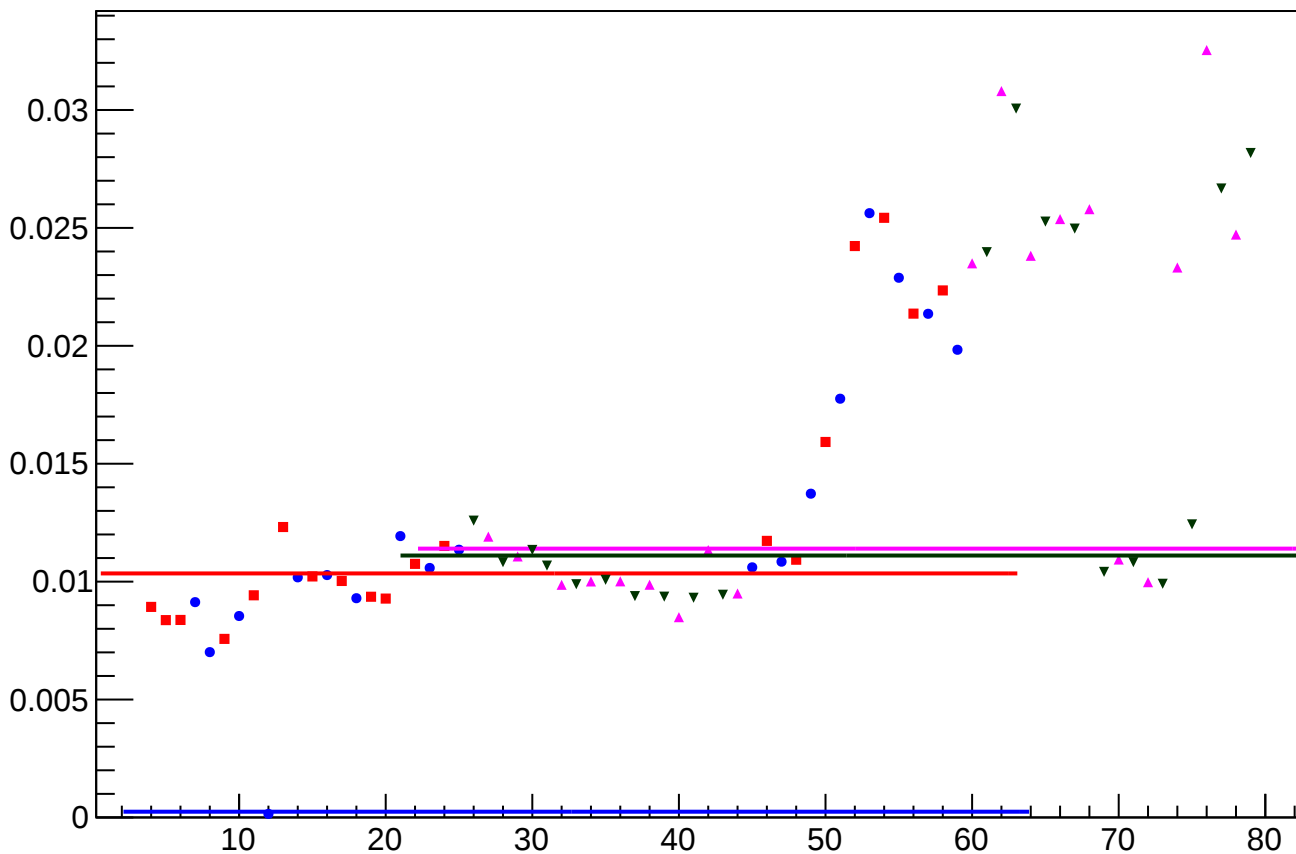
-0.123+/-0.000 χ^2/NDF : 297944421058.8/37

Right Out: 1.163+/-0.000 χ^2/NDF : 7253036603.9/18

1.199+/-0.000 χ^2/NDF : 8165239362.7/37

Left In: 1.241+/-0.000 χ^2/NDF : 695123858.5/18

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 : 2010203.5/19

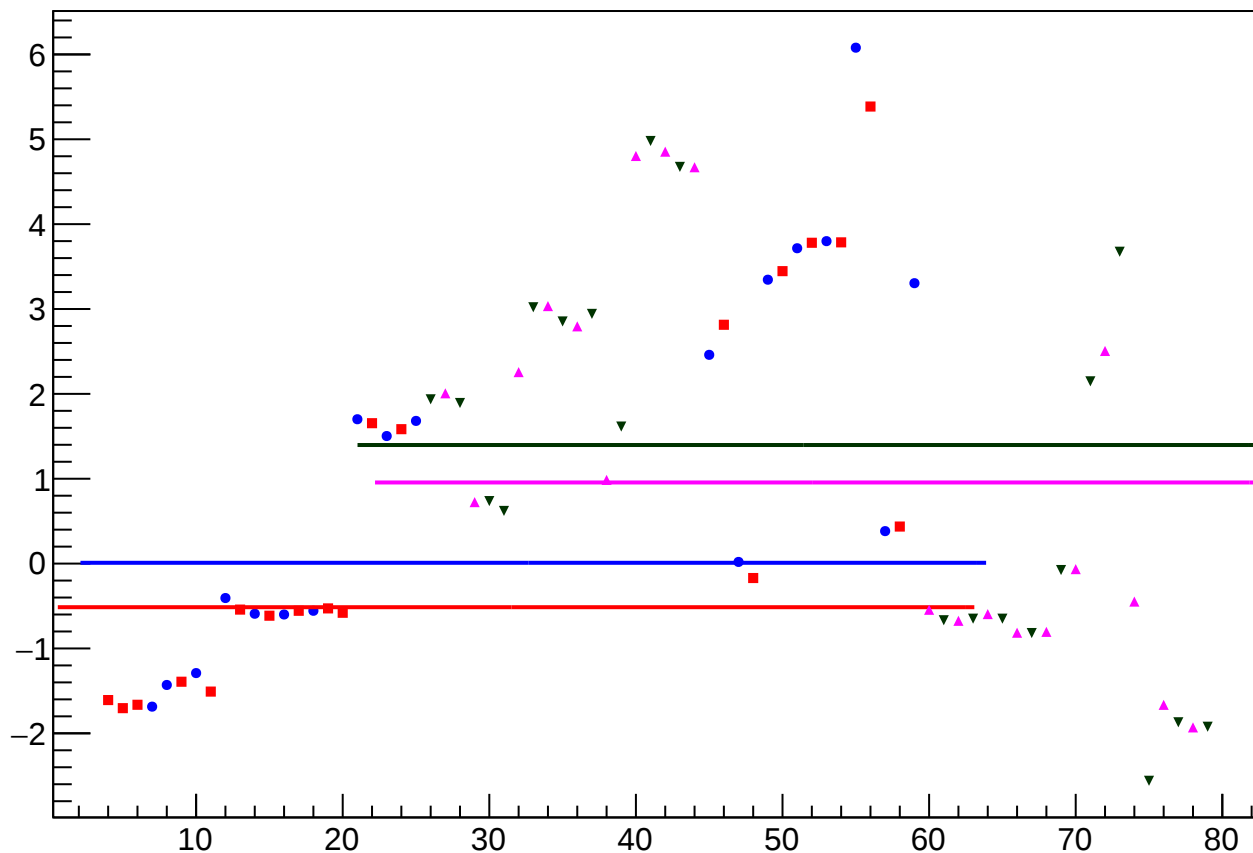
Right Out: 0.010+/-0.000 χ^2/NDF : 1619353.0/18

Left In: 0.011+/-0.000 χ^2/NDF : 2446411.3/18

0.000+/-0.000 χ^2/NDF : 37898350.9/37

0.011+/-0.000 χ^2/NDF : 4145620.8/37

yield_bpm1X_mean vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 18135045883.2/17

Left Out: 1.397+/-0.000 χ^2/NDF : 3197597004.7/19

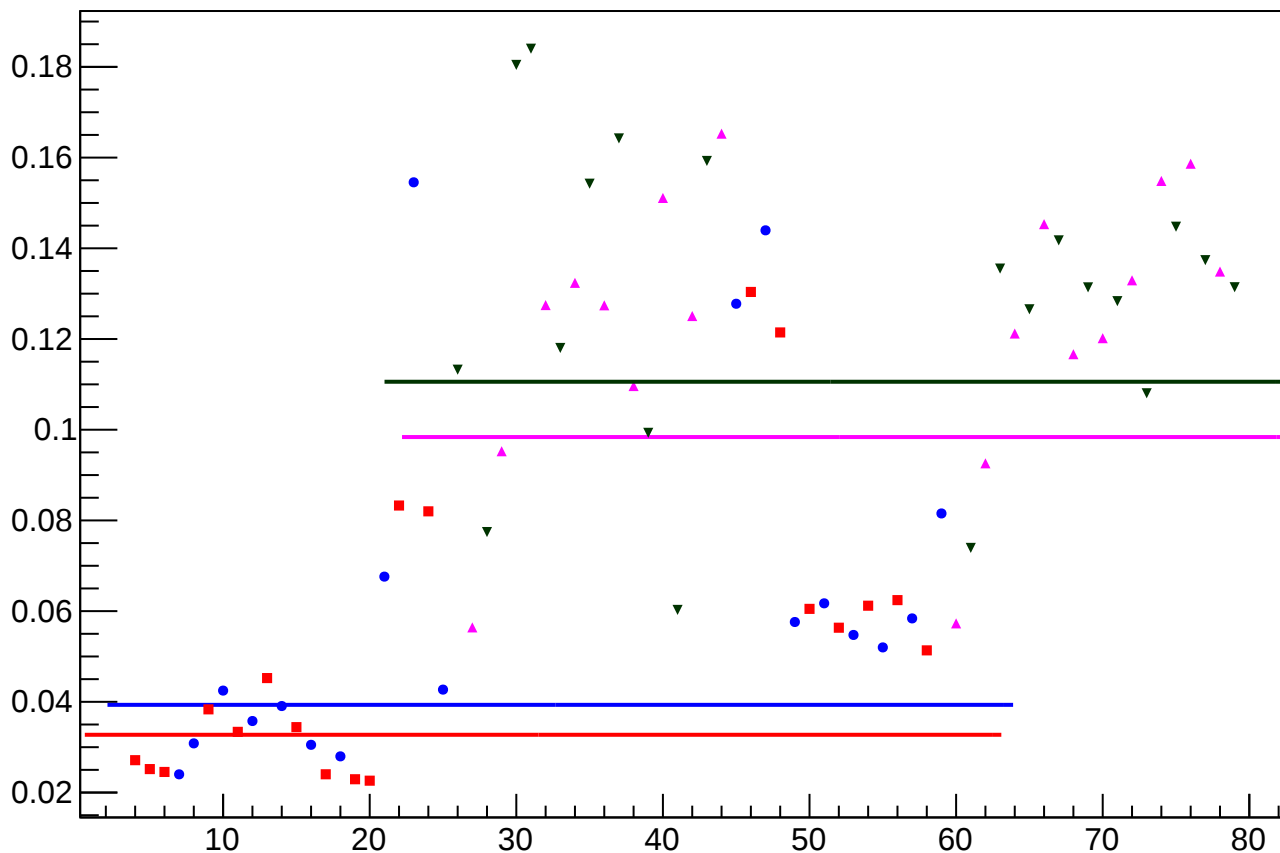
Right Out: -0.514+/-0.000 χ^2/NDF : 14474436949.2/18

Left In: 0.956+/-0.000 χ^2/NDF : 2515981753.6/18

0.171+/-0.000 χ^2/NDF : 22400407544.4/37

-0.345+/-0.000 χ^2/NDF : 18514444640.2/37

yield_bpm1X_rms vs slug



Right In: 0.039 ± 0.000 χ^2/NDF : 3078164.7/17

Left Out: 0.111 ± 0.000 χ^2/NDF : 1523135.5/19

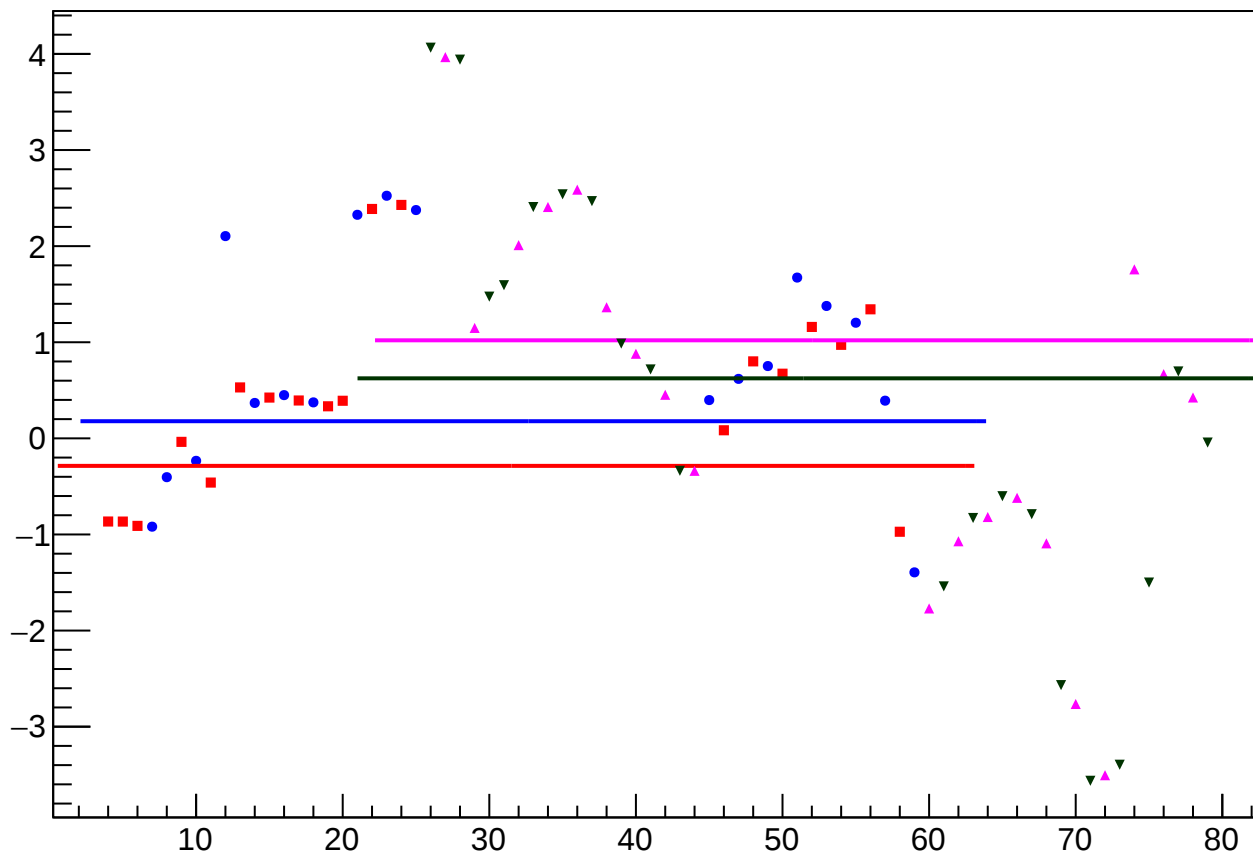
Right Out: 0.033 ± 0.000 χ^2/NDF : 2838022.5/18

Left In: 0.098 ± 0.000 χ^2/NDF : 2115114.4/18

0.048 ± 0.000 χ^2/NDF : 10227859.0/37

0.040 ± 0.000 χ^2/NDF : 11034111.0/37

yield_bpm1Y_mean vs slug



Right In: 0.178 ± 0.000 $\chi^2/\text{NDF}: 9482704623.3/17$

Left Out: 0.624 ± 0.000 $\chi^2/\text{NDF}: 6416918361.9/19$

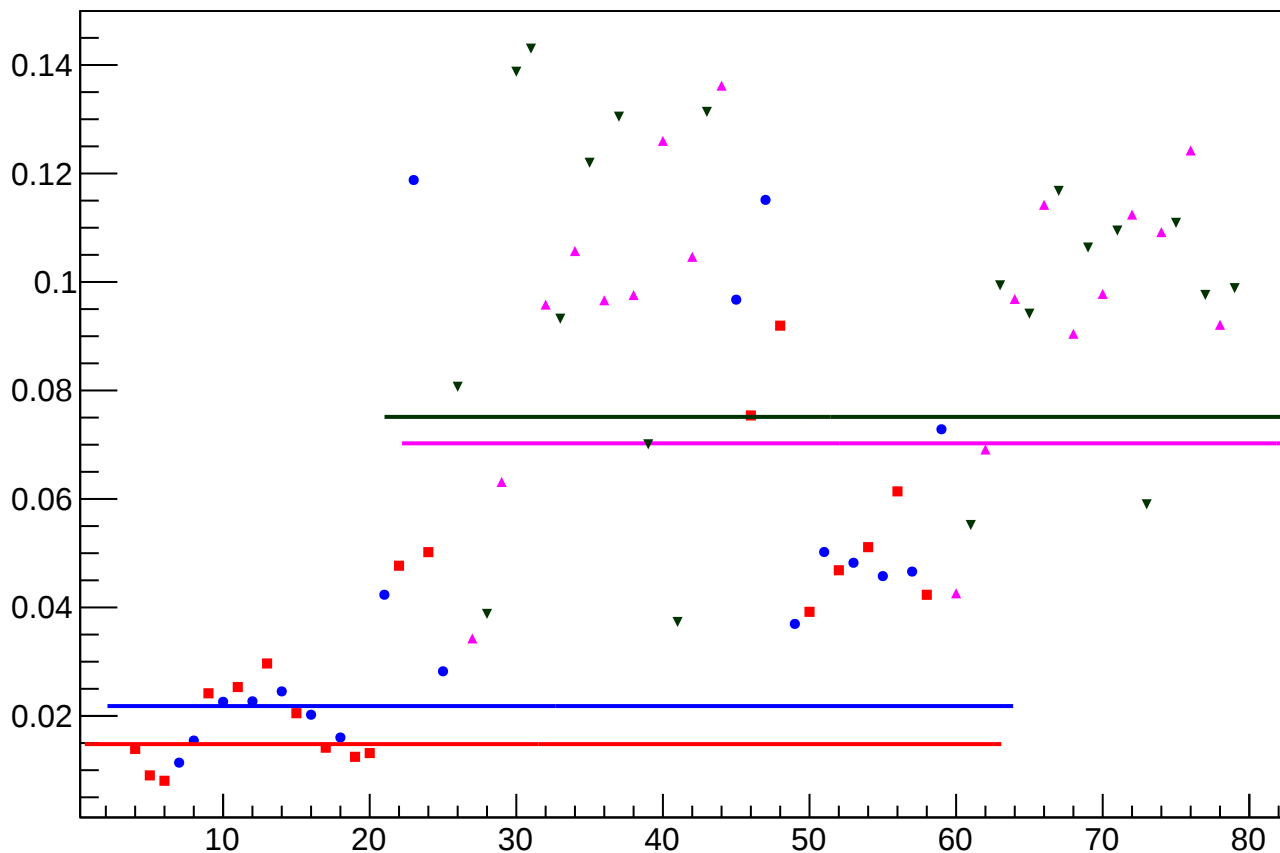
Right Out: -0.286 ± 0.000 $\chi^2/\text{NDF}: 10734675455.5/18$

Left In: 1.020 ± 0.000 $\chi^2/\text{NDF}: 7580928674.5/18$

0.218 ± 0.000 $\chi^2/\text{NDF}: 16115214664.9/37$

-0.206 ± 0.000 $\chi^2/\text{NDF}: 20602680149.7/37$

yield_bpm1Y_rms vs slug



Right In: 0.022+/-0.000 χ^2/NDF : 4669284.8/17

Left Out: 0.075+/-0.000 χ^2/NDF : 2587134.4/19

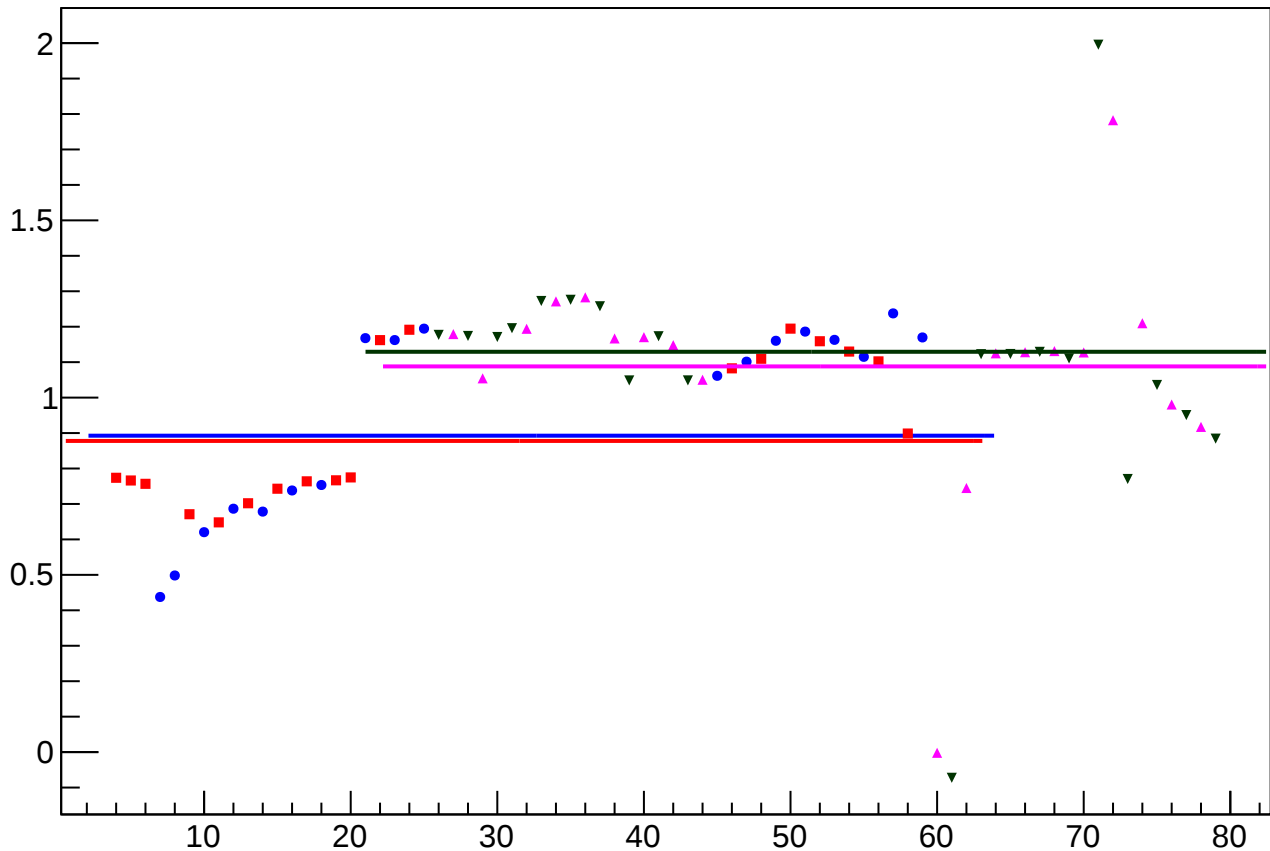
Right Out: 0.015+/-0.000 χ^2/NDF : 4938559.5/18

Left In: 0.070+/-0.000 χ^2/NDF : 2971980.8/18

0.026+/-0.000 χ^2/NDF : 13415003.3/37

0.018+/-0.000 χ^2/NDF : 16150548.5/37

yield_bpm11X_mean vs slug



Right In: 0.893+/-0.000 χ^2/NDF : 1629156385.0/17

Left Out: 1.129+/-0.000 χ^2/NDF : 2075124064.8/19

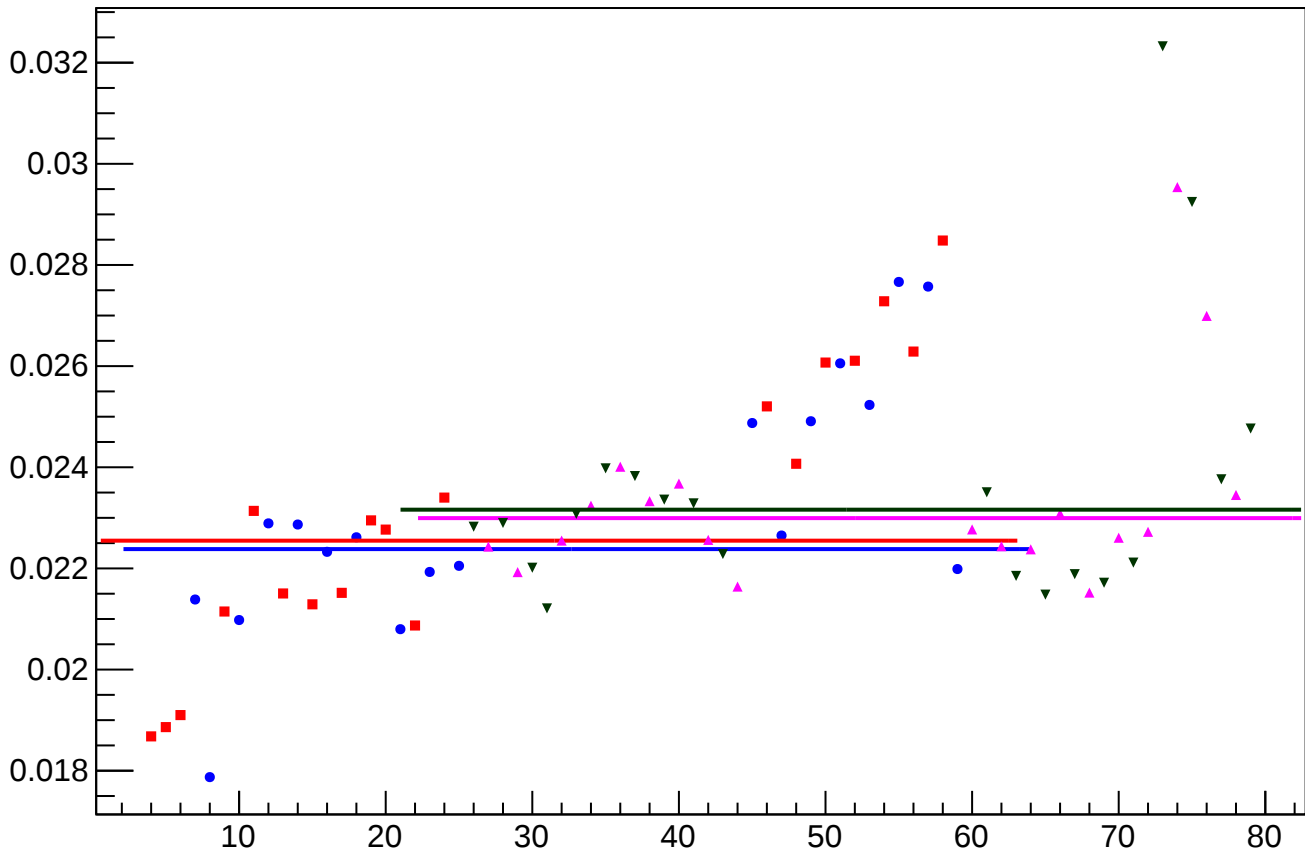
Right Out: 0.878+/-0.000 χ^2/NDF : 761495098.5/18

Left In: 1.088+/-0.000 χ^2/NDF : 1790485170.1/18

1.003+/-0.000 χ^2/NDF : 4263240019.2/37

0.985+/-0.000 χ^2/NDF : 2972435675.9/37

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 : 157521.3/19

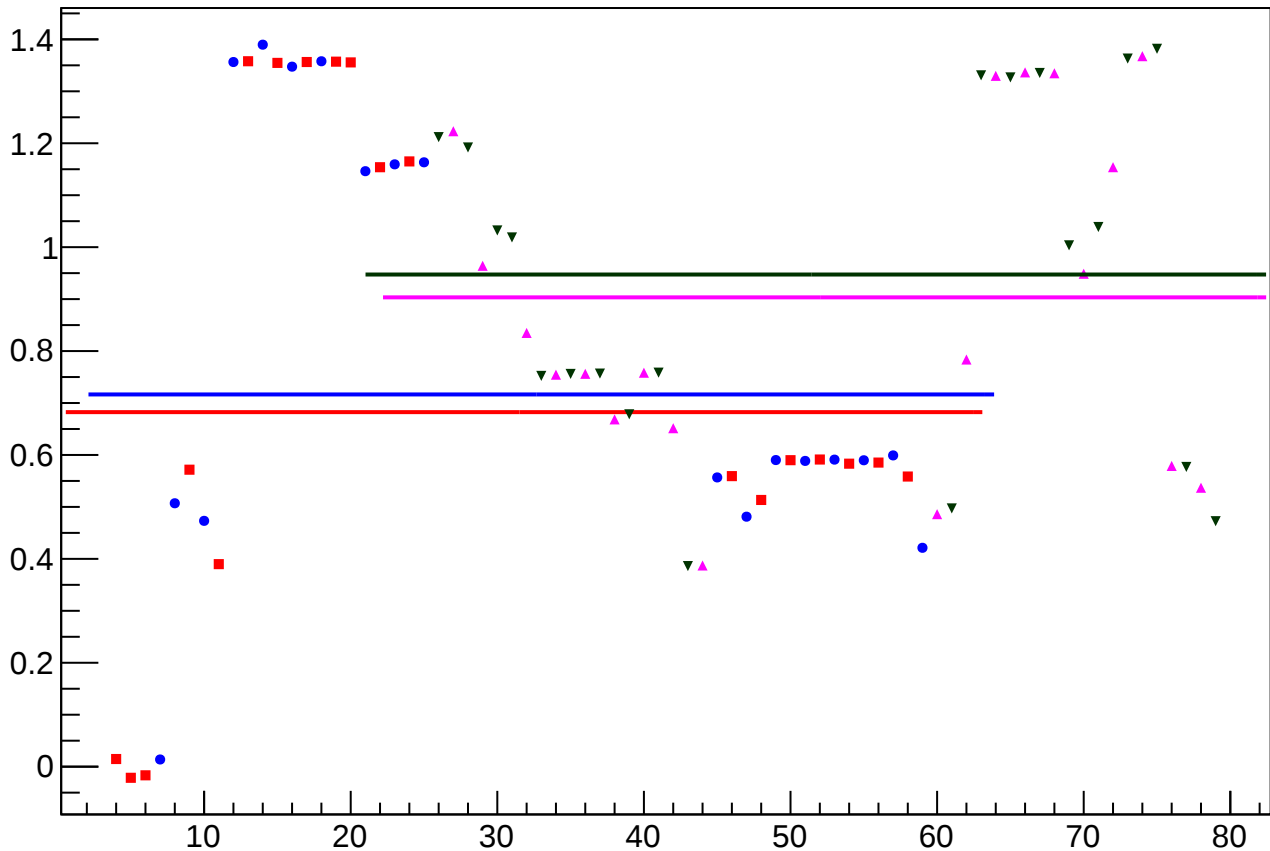
0.023 ± 0.000 χ^2/NDF : 434256.9/37

Right Out: 0.023 ± 0.000 χ^2/NDF : 246194.4/18

0.023 ± 0.000 χ^2/NDF : 338567.1/37

Left In: 0.023 ± 0.000 χ^2/NDF : 88591.8/18

yield_bpm11Y_mean vs slug



Right In: 0.716+/-0.000 χ^2/NDF : 131330740430.7/17

Left Out: 0.947+/-0.000 χ^2/NDF : 91640840883.9/19

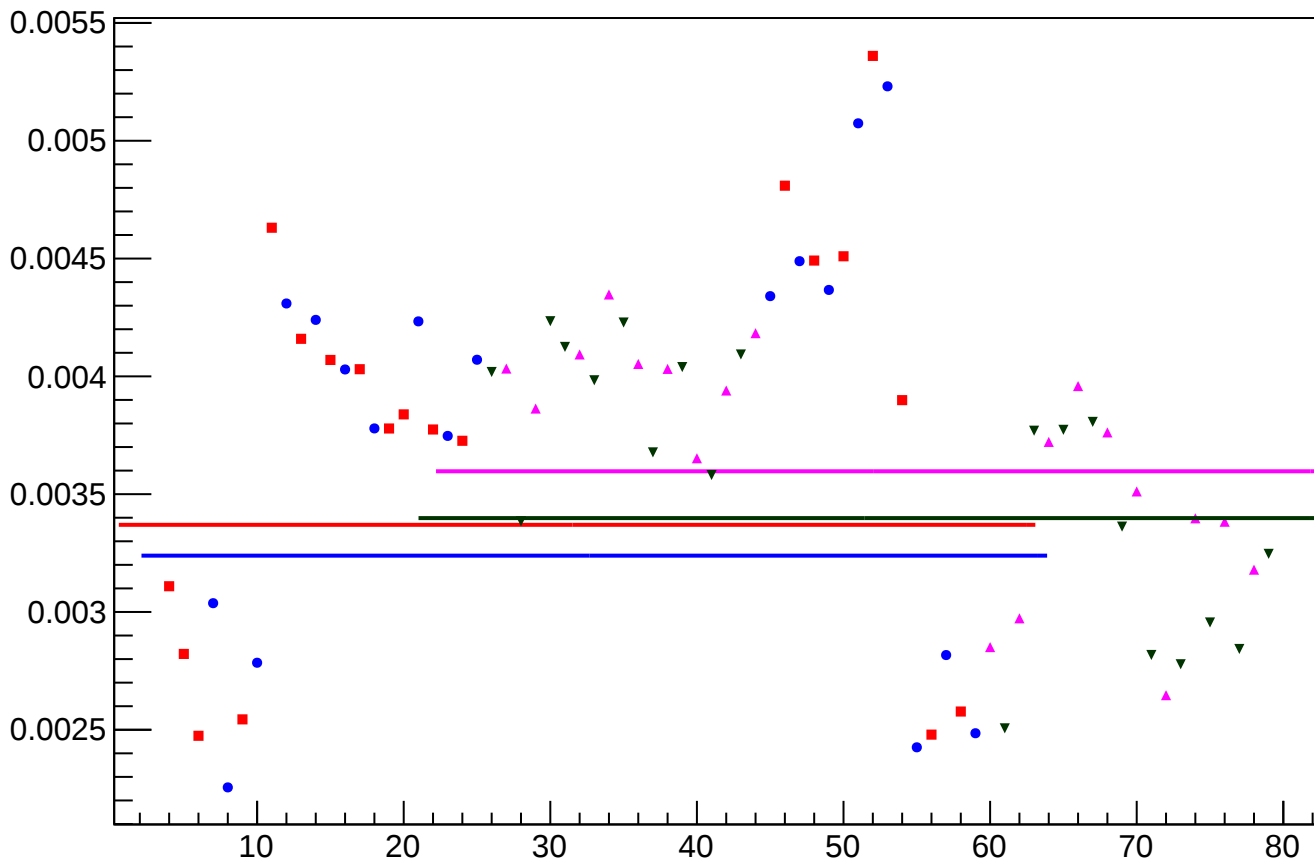
0.825+/-0.000 χ^2/NDF : 246843771839.4/37

Right Out: 0.682+/-0.000 χ^2/NDF : 168328456976.2/18

0.791+/-0.000 χ^2/NDF : 258008696635.7/37

Left In: 0.903+/-0.000 χ^2/NDF : 70614413275.8/18

yield_bpm11Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 1552802.4/17

Left Out: 0.003+/-0.000 χ^2/NDF : 491424.8/19

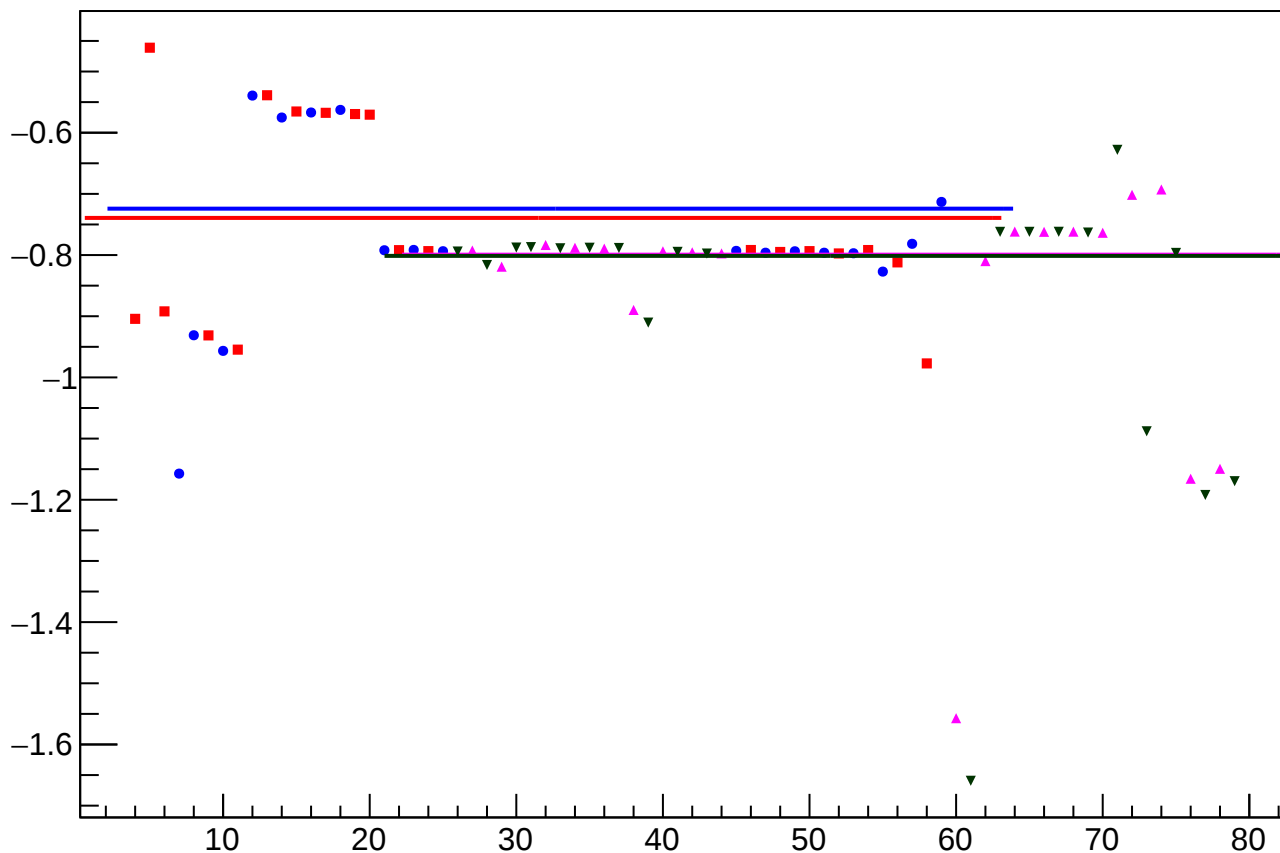
Right Out: 0.003+/-0.000 χ^2/NDF : 1158167.7/18

Left In: 0.004+/-0.000 χ^2/NDF : 369945.0/18

0.003+/-0.000 χ^2/NDF : 2066976.7/37

0.003+/-0.000 χ^2/NDF : 1568457.3/37

yield_bpm12X_mean vs slug



Right In: -0.724 ± 0.000 χ^2/NDF : 2243966662.4/17

Left Out: -0.801 ± 0.000 χ^2/NDF : 905541417.0/19

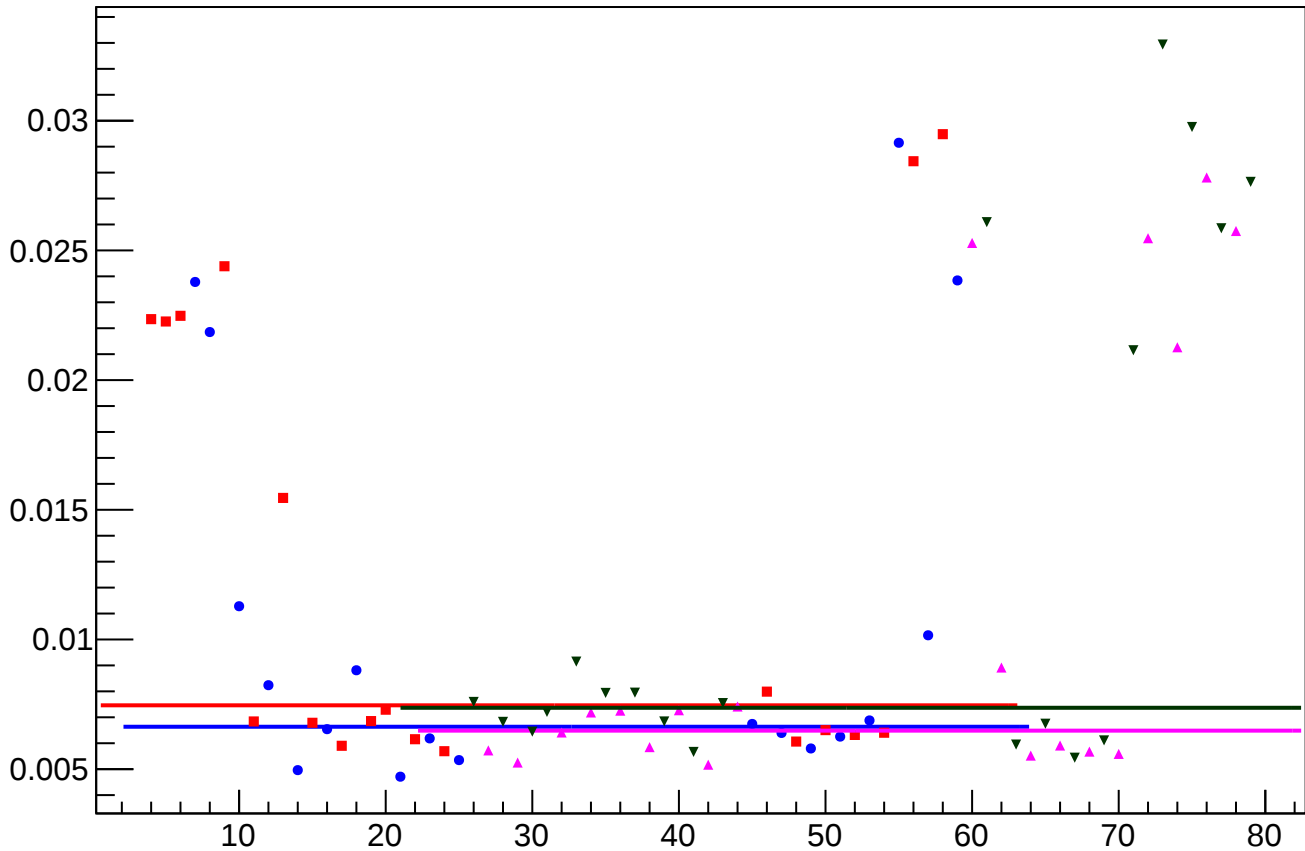
Right Out: -0.739 ± 0.000 χ^2/NDF : 1945829237.2/18

Left In: -0.799 ± 0.000 χ^2/NDF : 831651981.6/18

-0.758 ± 0.000 χ^2/NDF : 3565932573.1/37

-0.775 ± 0.000 χ^2/NDF : 3017739014.8/37

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 :3391413.6/19

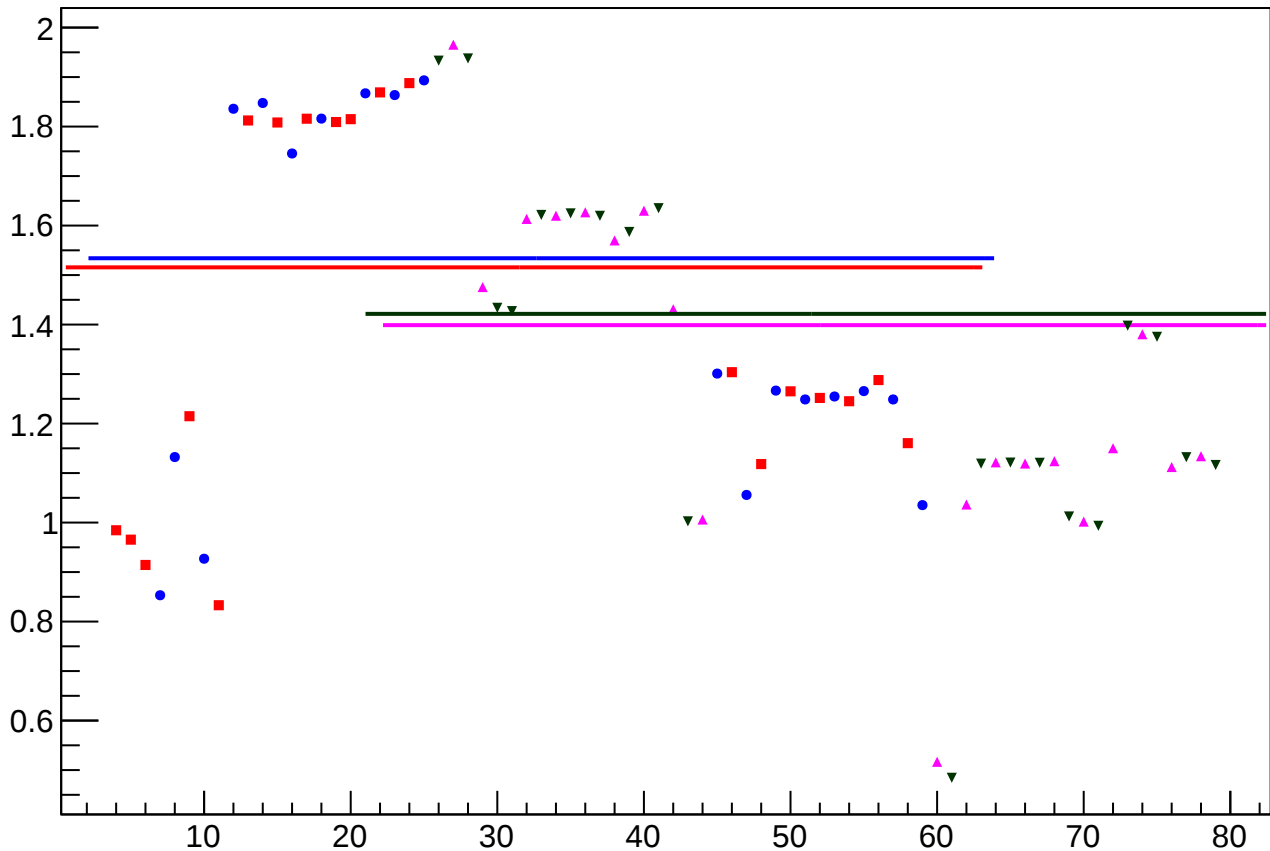
Right Out: 0.007+/-0.000 χ^2/NDF : 3478880.3/18

Left In: 0.006+/-0.000 χ^2/NDF :2916913.1/18

0.007+/-0.000 χ^2/NDF : 6813707.0/37

0.007+/-0.000 χ^2/NDF : 6522825.7/37

yield_bpm12Y_mean vs slug



Right In: 1.534+/-0.000 χ^2/NDF : 22395382646.2/17

Left Out: 1.422+/-0.000 χ^2/NDF : 18181185845.2/19

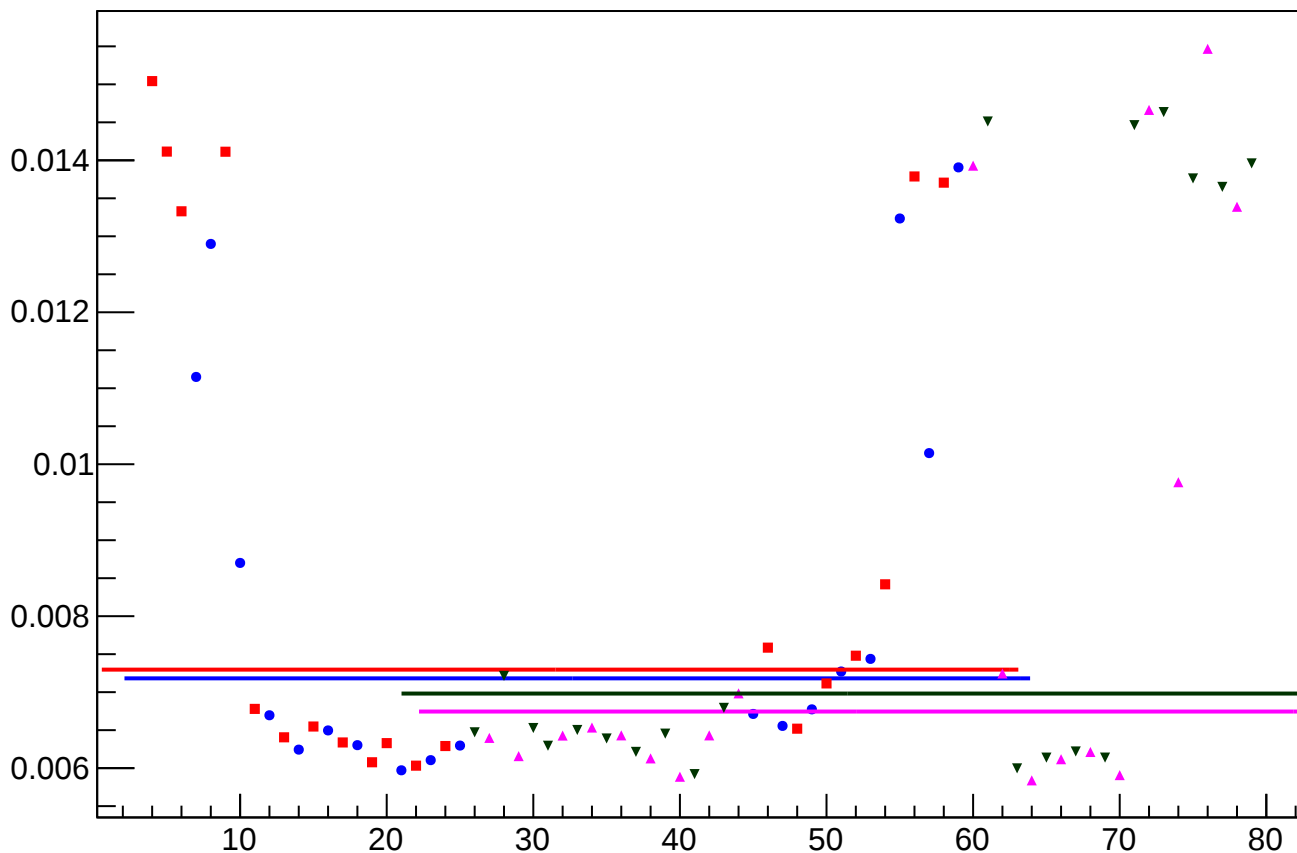
1.479+/-0.000 χ^2/NDF : 41746662128.9/37

Right Out: 1.516+/-0.000 χ^2/NDF : 21754735470.0/18

1.450+/-0.000 χ^2/NDF : 42634618180.6/37

Left In: 1.399+/-0.000 χ^2/NDF : 19662942983.1/18

yield_bpm12Y_rms vs slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 1305539.8/17

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:1644881.3/19

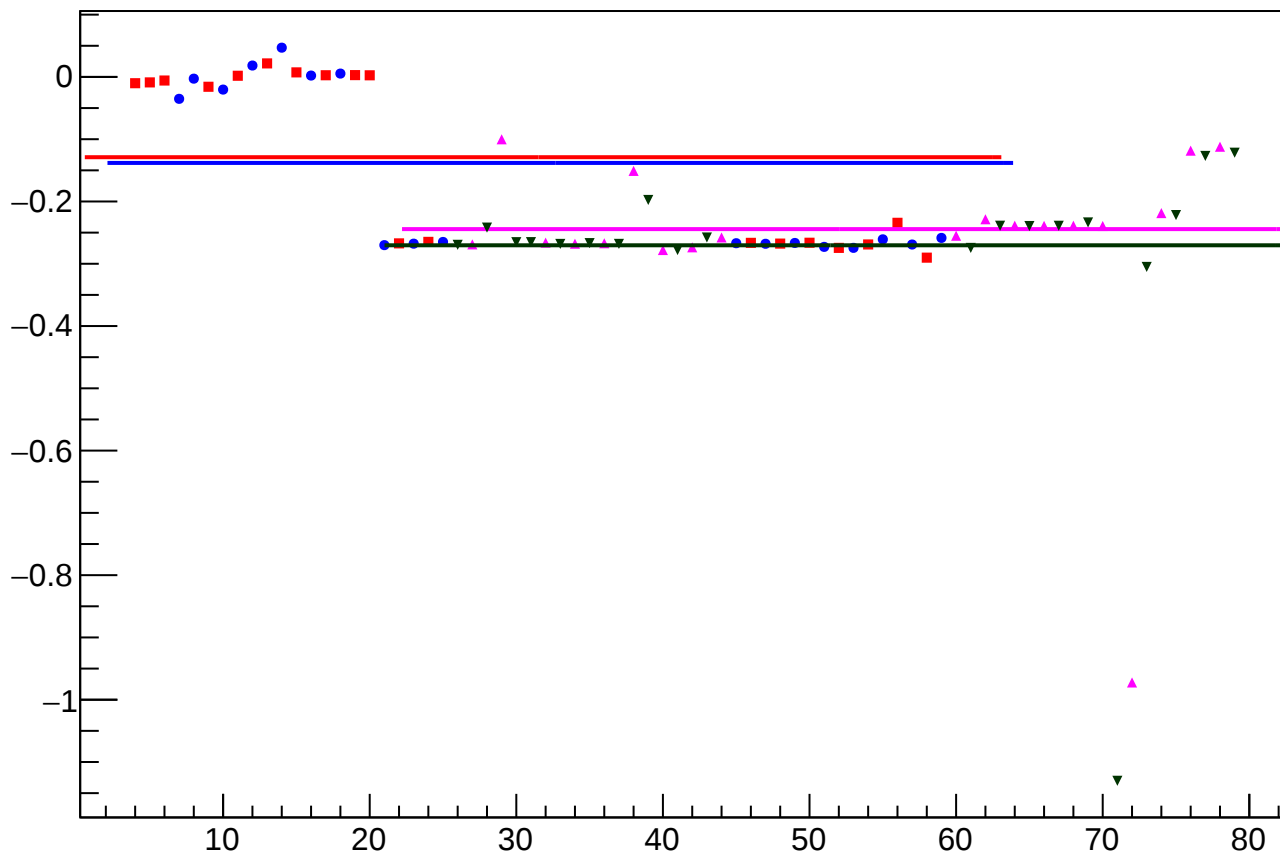
Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 1457854.6/18

Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:1296906.9/18

0.007 $\pm$ 0.000 χ^2 /NDF: 2957835.3/37

0.007 $\pm$ 0.000 χ^2 /NDF: 2809108.5/37

yield_bpm16X_mean vs slug



Right In: -0.138+/-0.000 χ^2/NDF : 7275574194.7/17

Left Out: -0.270+/-0.000 χ^2/NDF : 6008077952.5/19

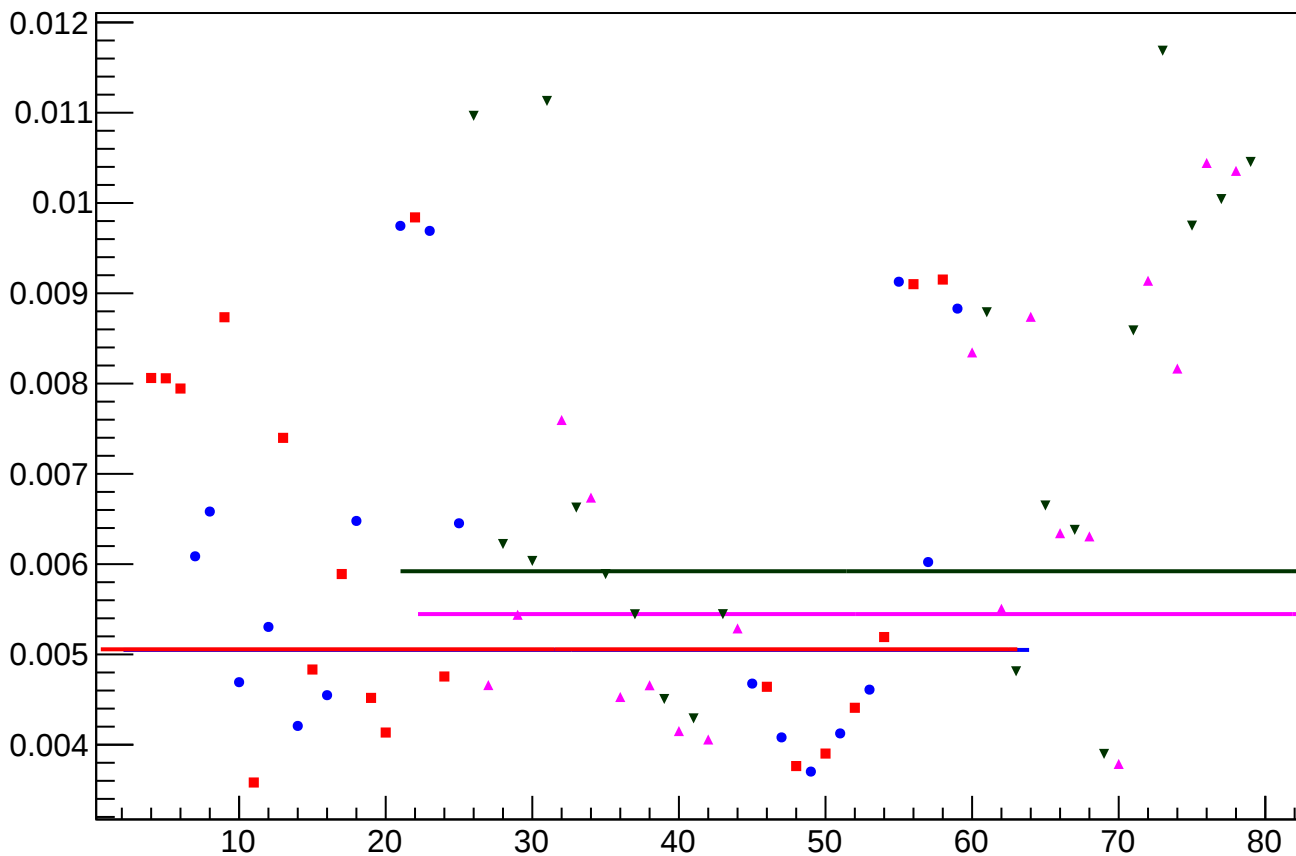
Right Out: -0.129+/-0.000 χ^2/NDF : 5878929515.5/18

Left In: -0.244+/-0.000 χ^2/NDF : 3709803491.1/18

-0.191+/-0.000 χ^2/NDF : 15873721282.9/37

-0.185+/-0.000 χ^2/NDF : 11658142831.6/37

yield_bpm16X_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 1664372.1/17

Left Out: 0.006+/-0.000 χ^2/NDF :1901578.3/19

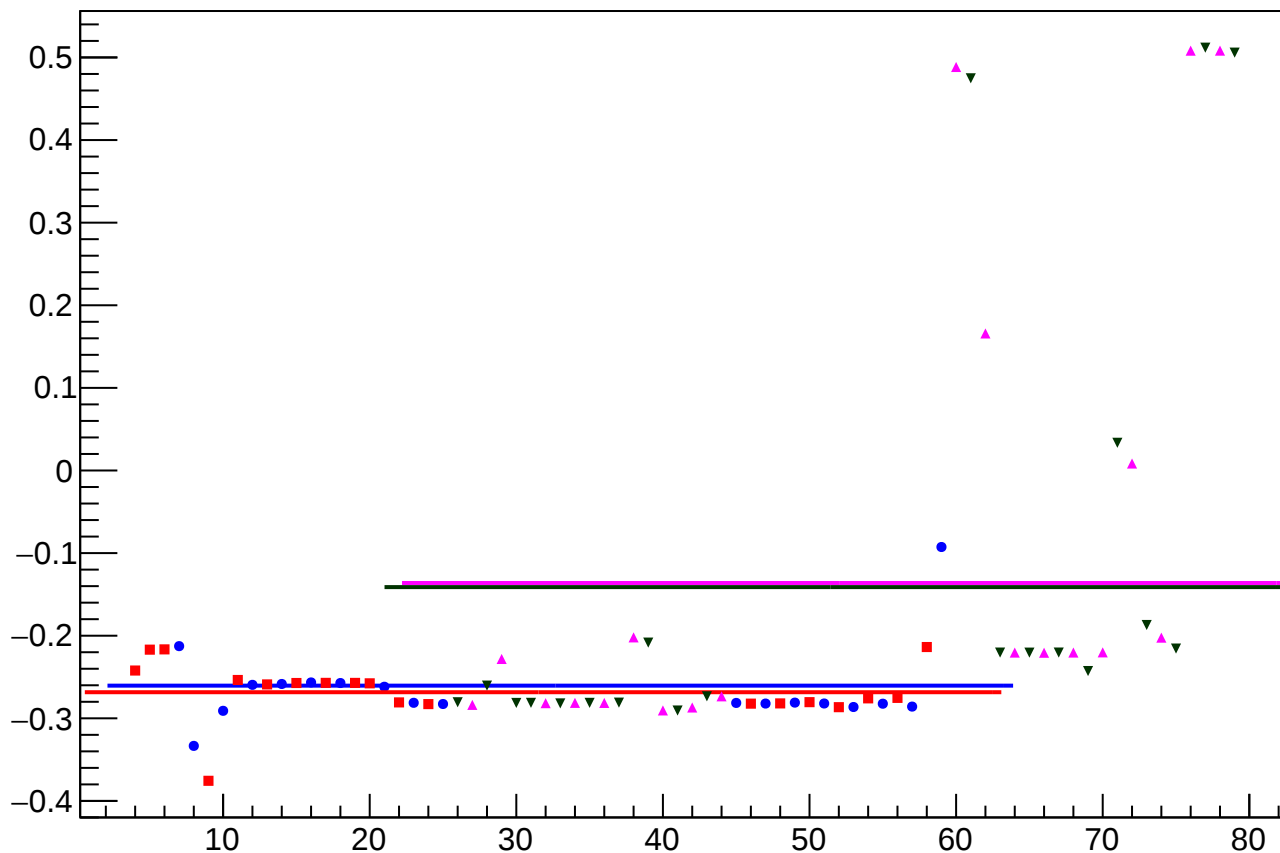
Right Out: 0.005+/-0.000 χ^2/NDF : 1822469.4/18

Left In: 0.005+/-0.000 χ^2/NDF :1635963.4/18

0.005+/-0.000 χ^2/NDF : 3790996.6/37

0.005+/-0.000 χ^2/NDF : 3505716.4/37

yield_bpm16Y_mean vs slug



Right In: -0.260+/-0.000 χ^2/NDF : 6878369368.1/17

Left Out: -0.141+/-0.000 χ^2/NDF : 82526869473.7/19

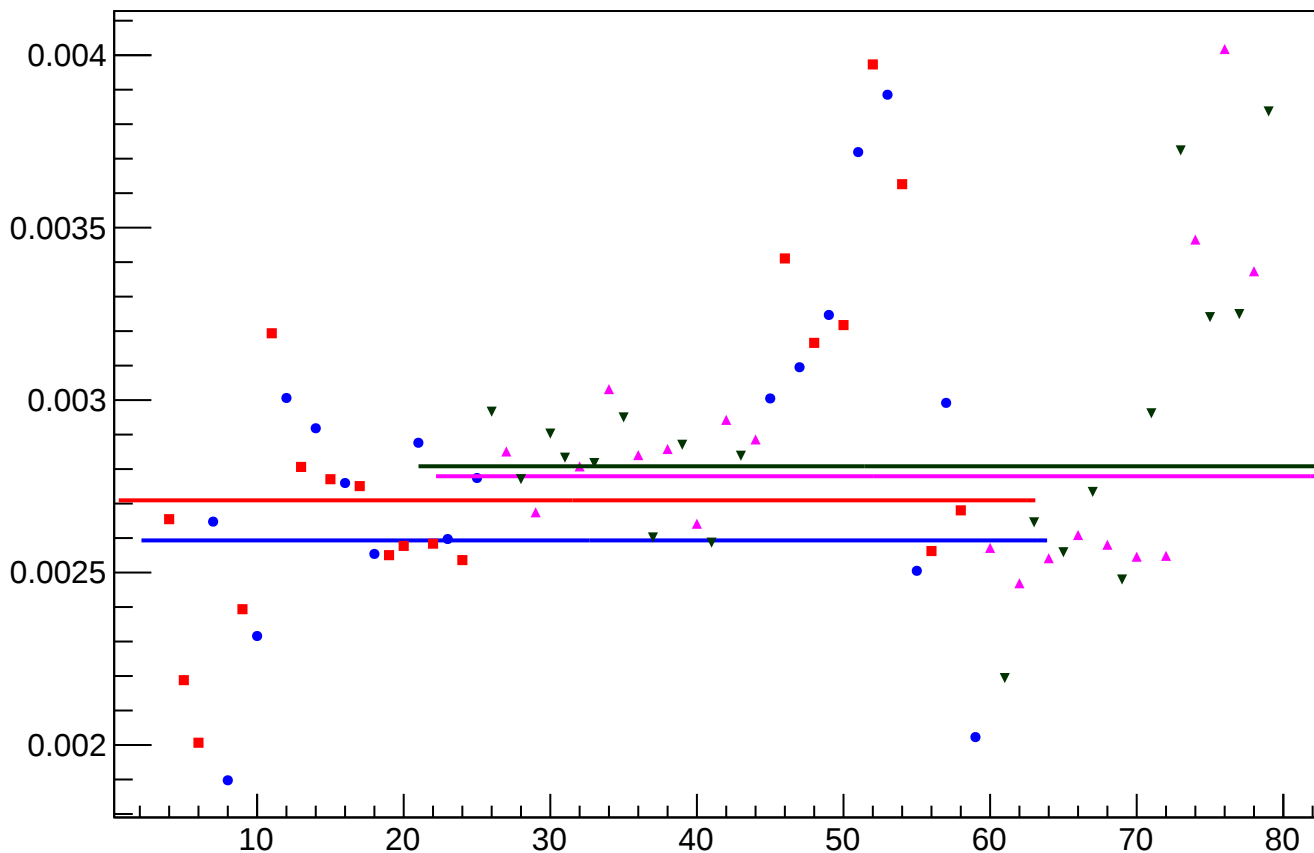
Right Out: -0.268+/-0.000 χ^2/NDF : 2185355194.4/18

Left In: -0.136+/-0.000 χ^2/NDF : 78025925782.6/18

-0.207+/-0.000 χ^2/NDF : 99316314435.0/37

-0.201+/-0.000 χ^2/NDF : 91520996112.0/37

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 : 290934.6/19

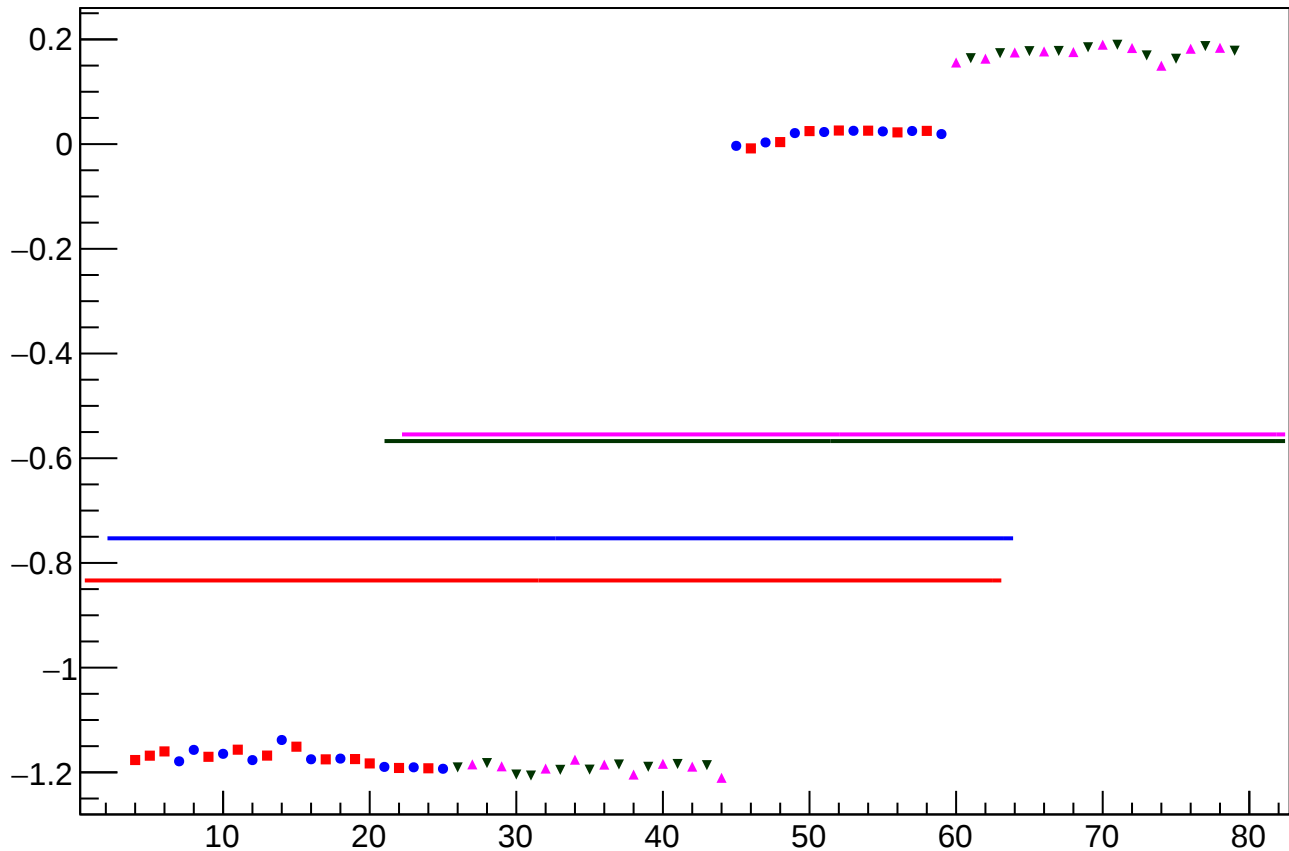
Right Out: 0.003+/-0.000 χ^2/NDF : 476230.4/18

Left In: 0.003+/-0.000 χ^2/NDF : 236020.3/18

0.003+/-0.000 χ^2/NDF : 1129441.5/37

0.003+/-0.000 χ^2/NDF : 718565.5/37

yield_bpm2i01X_mean vs slug



Right In: -0.753+/-0.000 χ^2/NDF : 63524502695.2/17

Left Out: -0.567+/-0.000 χ^2/NDF : 69104711070.6/19

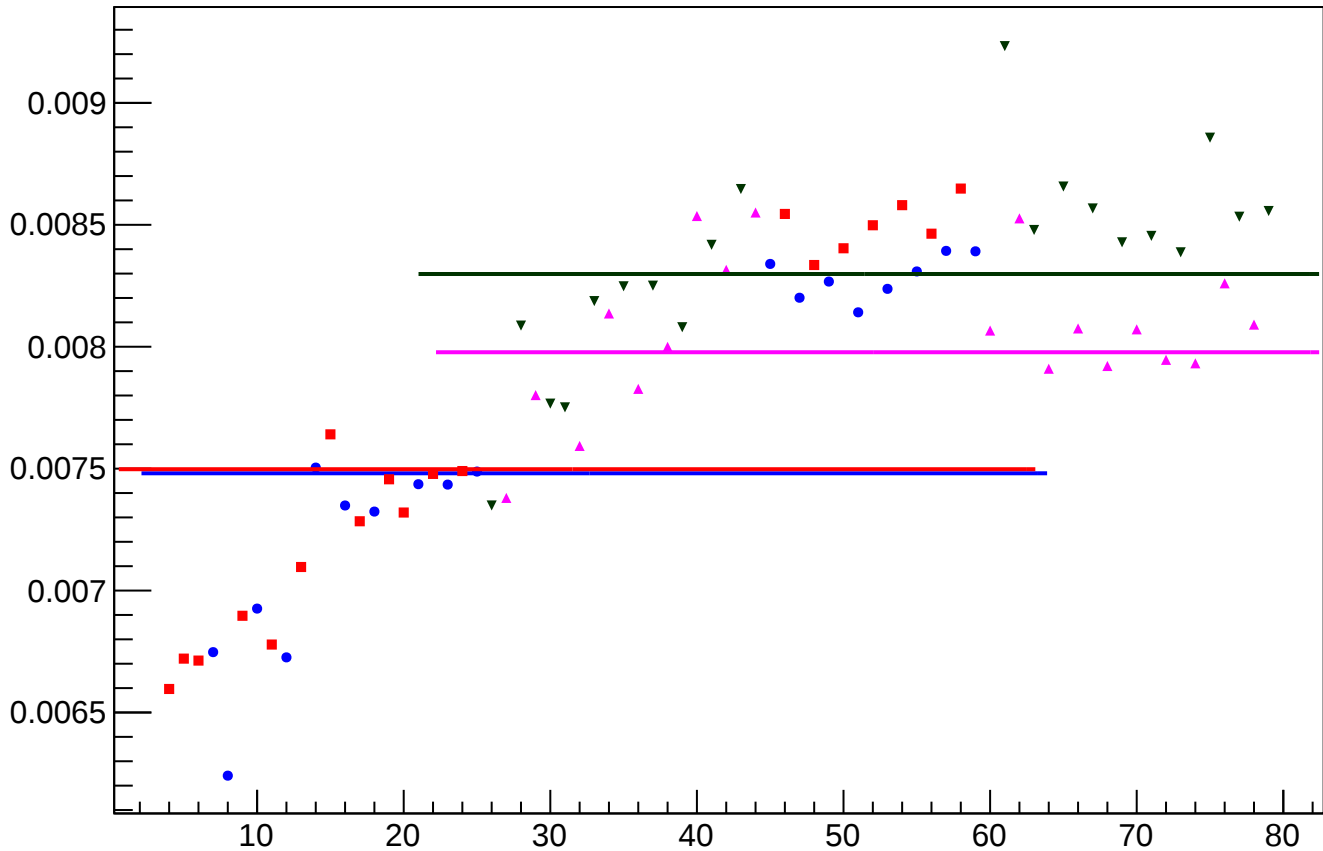
Right Out: -0.833+/-0.000 χ^2/NDF : 50332816661.3/18

Left In: -0.555+/-0.000 χ^2/NDF : 76830032417.4/18

-0.673+/-0.000 χ^2/NDF : 135561136767.3/37

-0.698+/-0.000 χ^2/NDF : 133796425556.3/37

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 : 46702.5/19

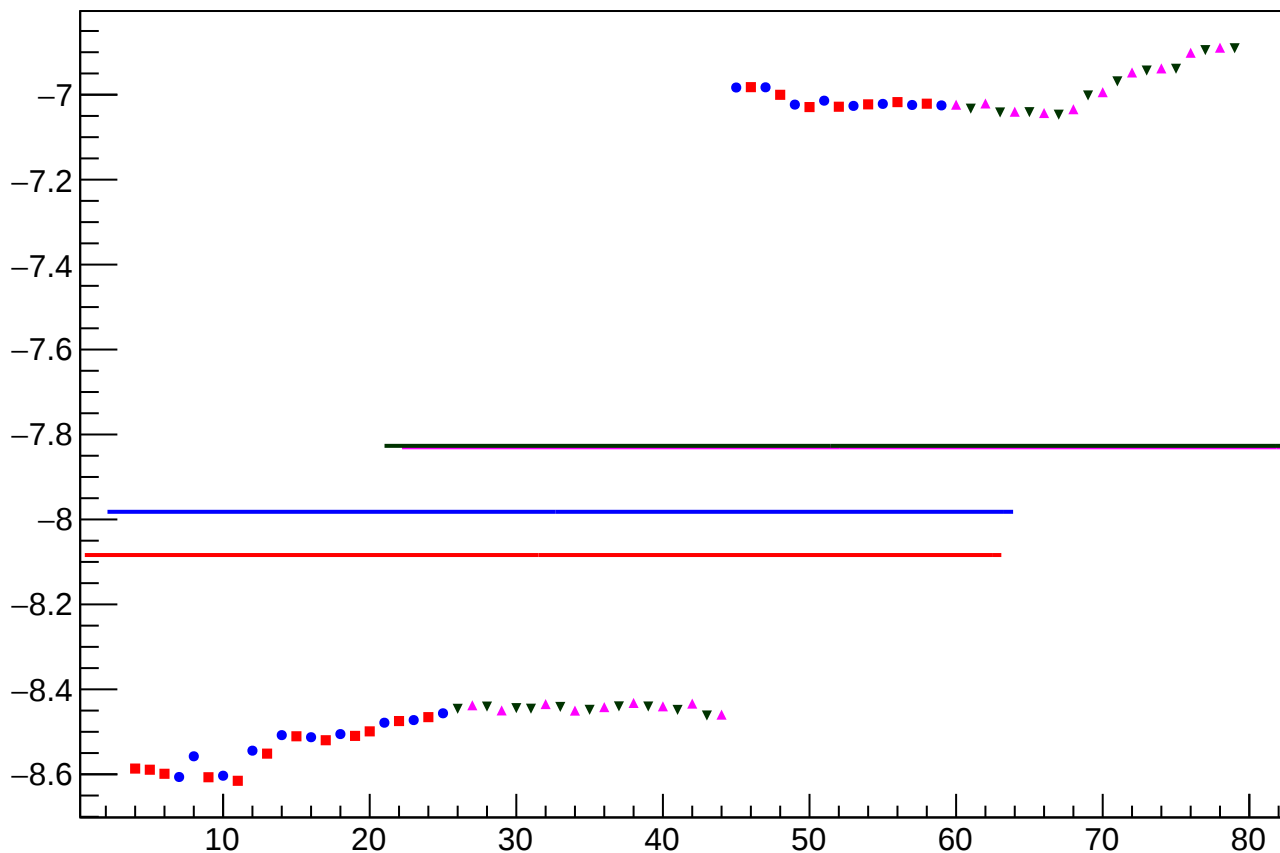
0.008+/-0.000 χ^2/NDF : 356304.1/37

Right Out: 0.007+/-0.000 χ^2/NDF : 167417.2/18

0.008+/-0.000 χ^2/NDF : 240032.9/37

Left In: 0.008+/-0.000 χ^2/NDF : 33386.5/18

yield_bpm2i01Y_mean vs slug



Right In: -7.982+/-0.000 χ^2/NDF : 116524136897.0/17

Left Out: -7.827+/-0.000 χ^2/NDF : 94431738227.8/19

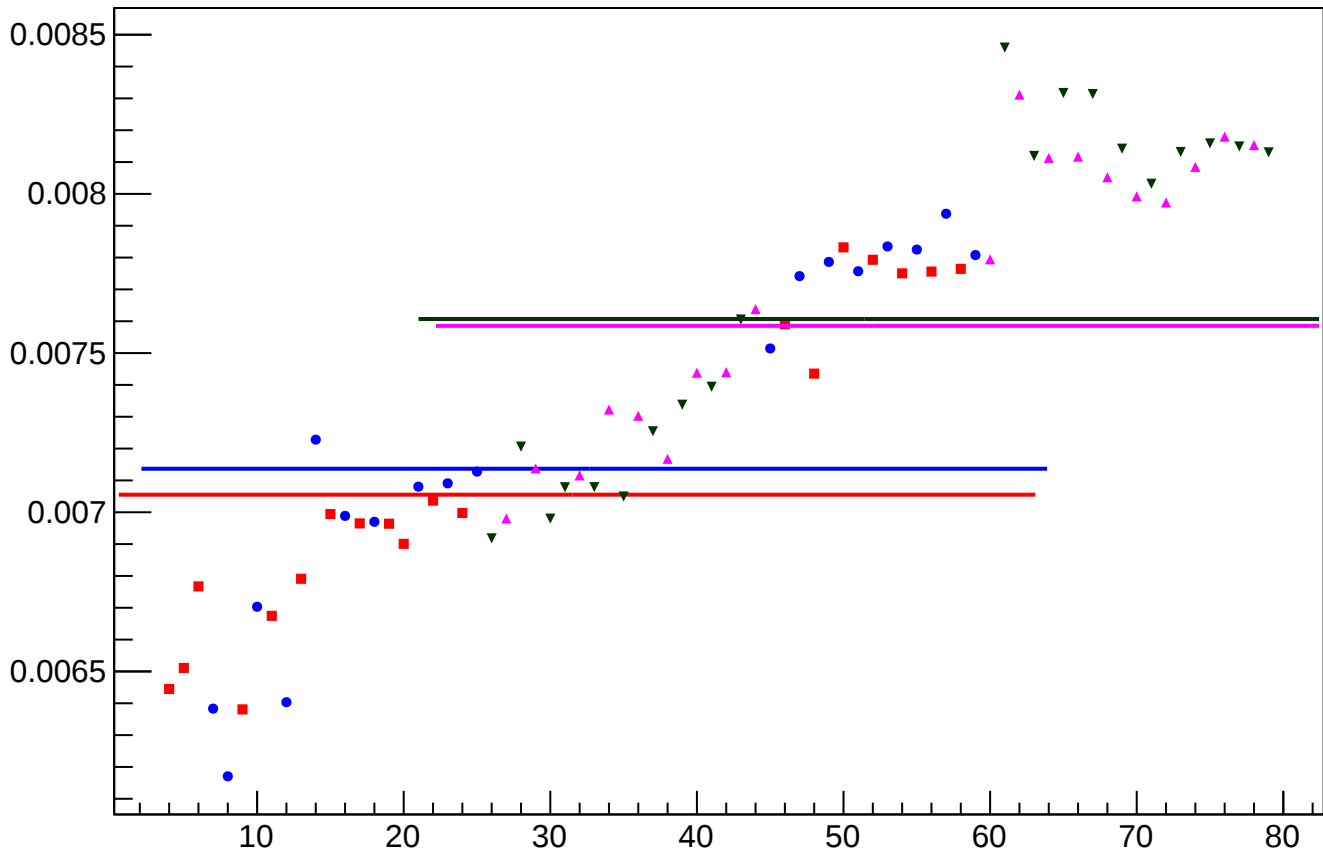
Right Out: -8.084+/-0.000 χ^2/NDF : 99506540389.5/18

Left In: -7.830+/-0.000 χ^2/NDF : 96227705181.9/18

-7.912+/-0.000 χ^2/NDF : 213333593054.1/37

-7.961+/-0.000 χ^2/NDF : 201917213525.4/37

yield_bpm2i01Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 141394.2/17

Left Out: 0.008+/-0.000 χ^2/NDF : 97110.0/19

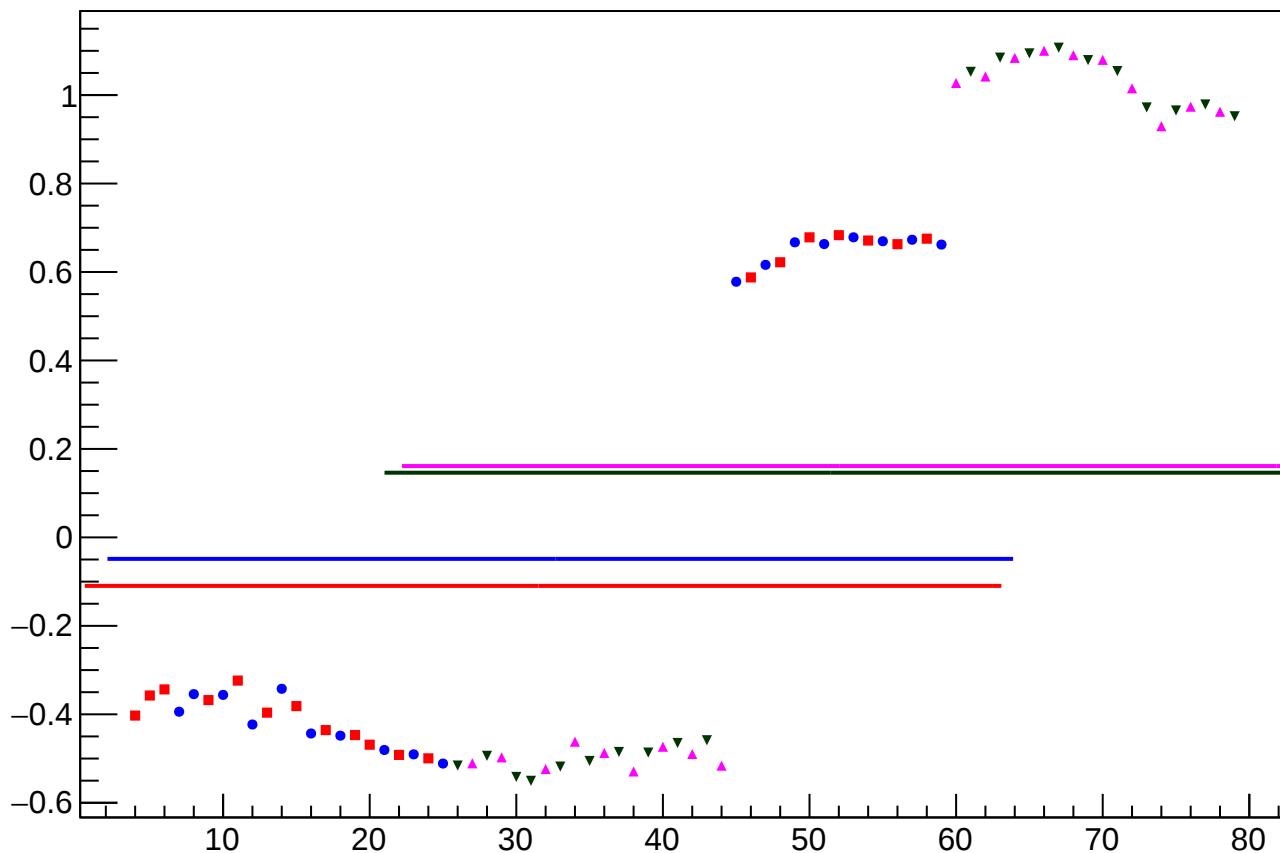
Right Out: 0.007+/-0.000 χ^2/NDF : 88863.4/18

Left In: 0.008+/-0.000 χ^2/NDF : 74094.4/18

0.007+/-0.000 χ^2/NDF : 282140.0/37

0.007+/-0.000 χ^2/NDF : 217015.6/37

yield_bpm2i02X_mean vs slug



Right In: -0.049+/-0.000 χ^2/NDF : 7806391272.8/17

Left Out: 0.146+/-0.000 χ^2/NDF :12754255735.0/19

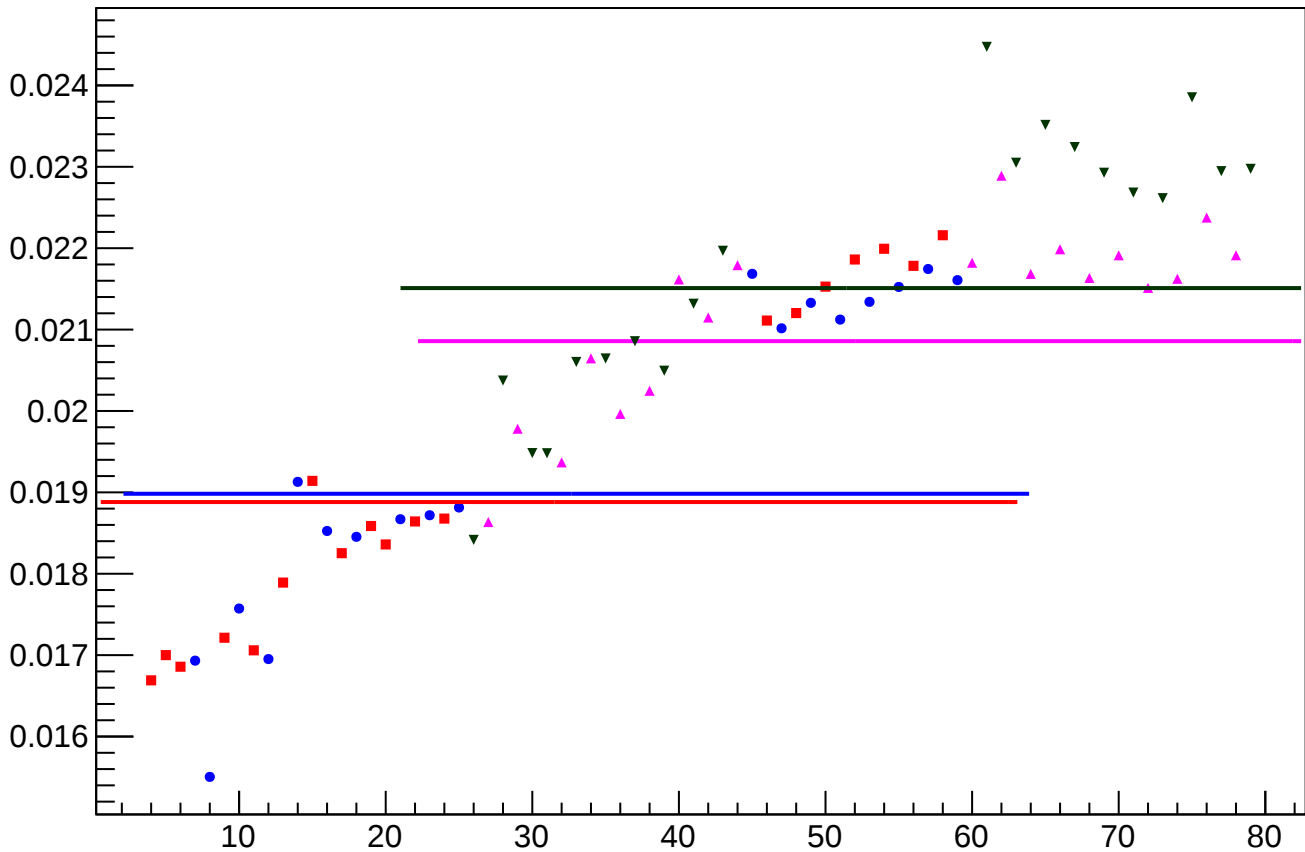
Right Out: -0.110+/-0.000 χ^2/NDF : 6259069670.0/18

Left In: 0.161+/-0.000 χ^2/NDF :14066083644.4/18

0.033+/-0.000 χ^2/NDF : 21048751707.5/37

0.017+/-0.000 χ^2/NDF : 21273513131.9/37

yield_bpm2i02X_rms vs slug



Right In: 0.019+/-0.000 χ^2/NDF : 254927.5/17

Left Out: 0.022+/-0.000 χ^2/NDF :116137.5/19

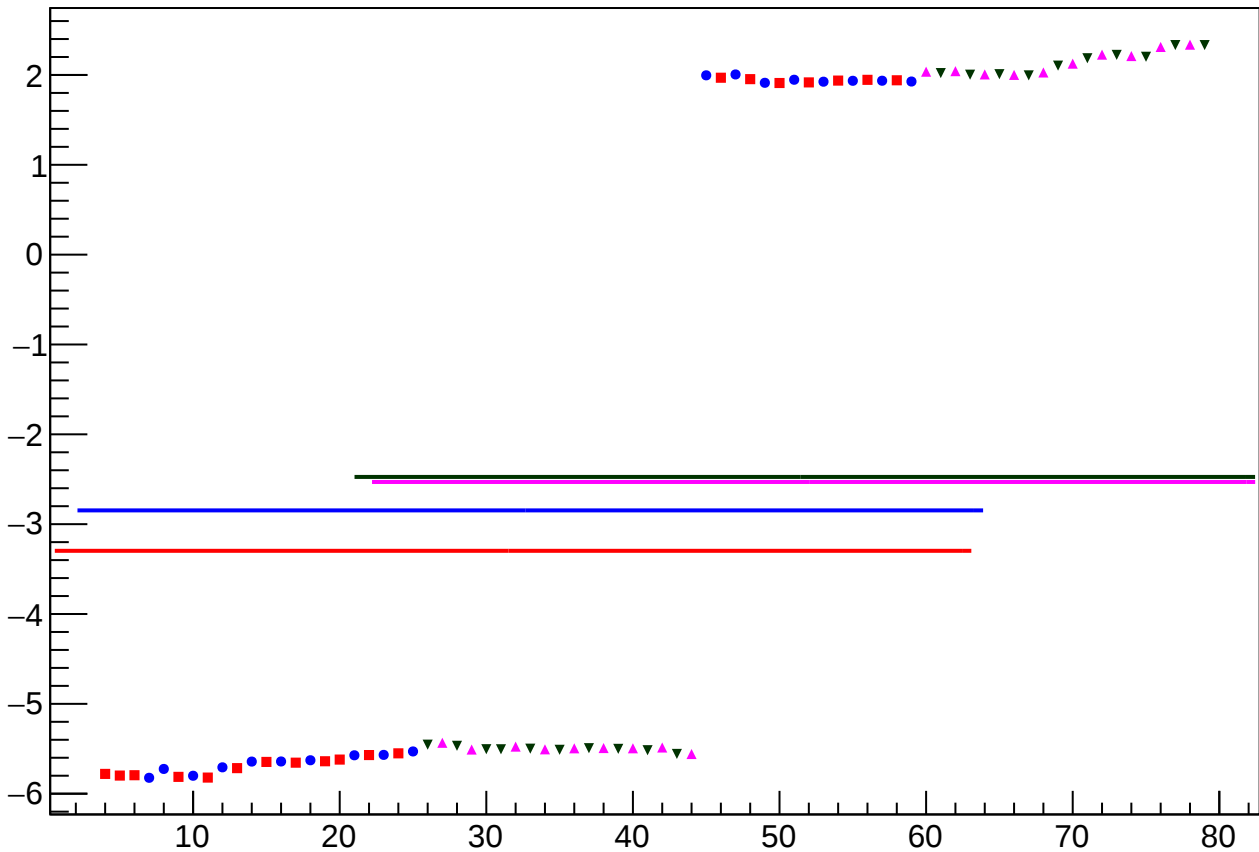
0.020+/-0.000 χ^2/NDF : 535320.6/37

Right Out: 0.019+/-0.000 χ^2/NDF : 190553.3/18

0.020+/-0.000 χ^2/NDF : 364086.6/37

Left In: 0.021+/-0.000 χ^2/NDF :72539.8/18

yield_bpm2i02Y_mean vs slug



Right In: -2.847+/-0.000 χ^2/NDF : 988085675921.2/17

Left Out: -2.474+/-0.000 χ^2/NDF : 859271957143.2/19

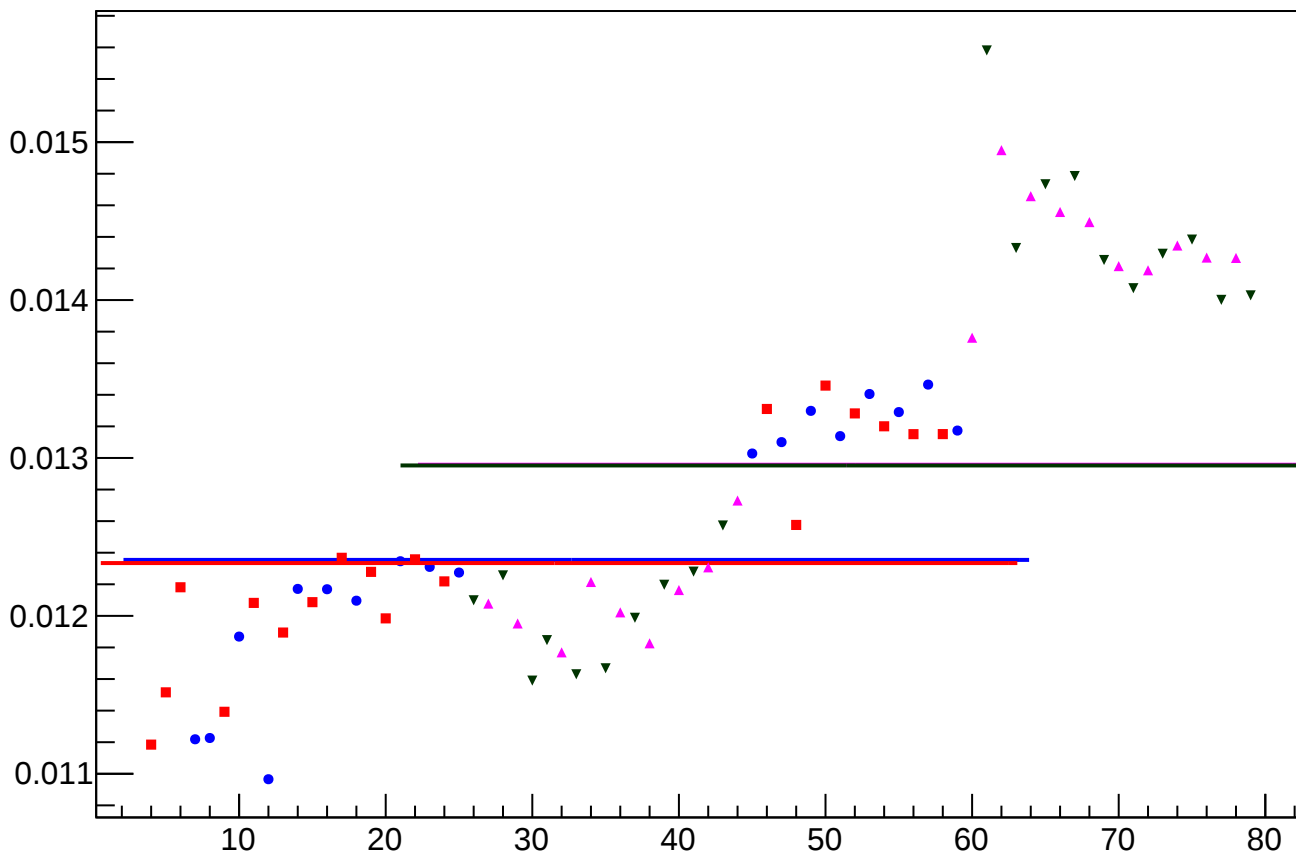
-2.676+/-0.000 χ^2/NDF : 1851984555870.6/37

Right Out: -3.297+/-0.000 χ^2/NDF : 819050975647.4/18

-2.919+/-0.000 χ^2/NDF : 1710031761600.7/37

Left In: -2.530+/-0.000 χ^2/NDF : 872185076029.2/18

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:181667.4/19

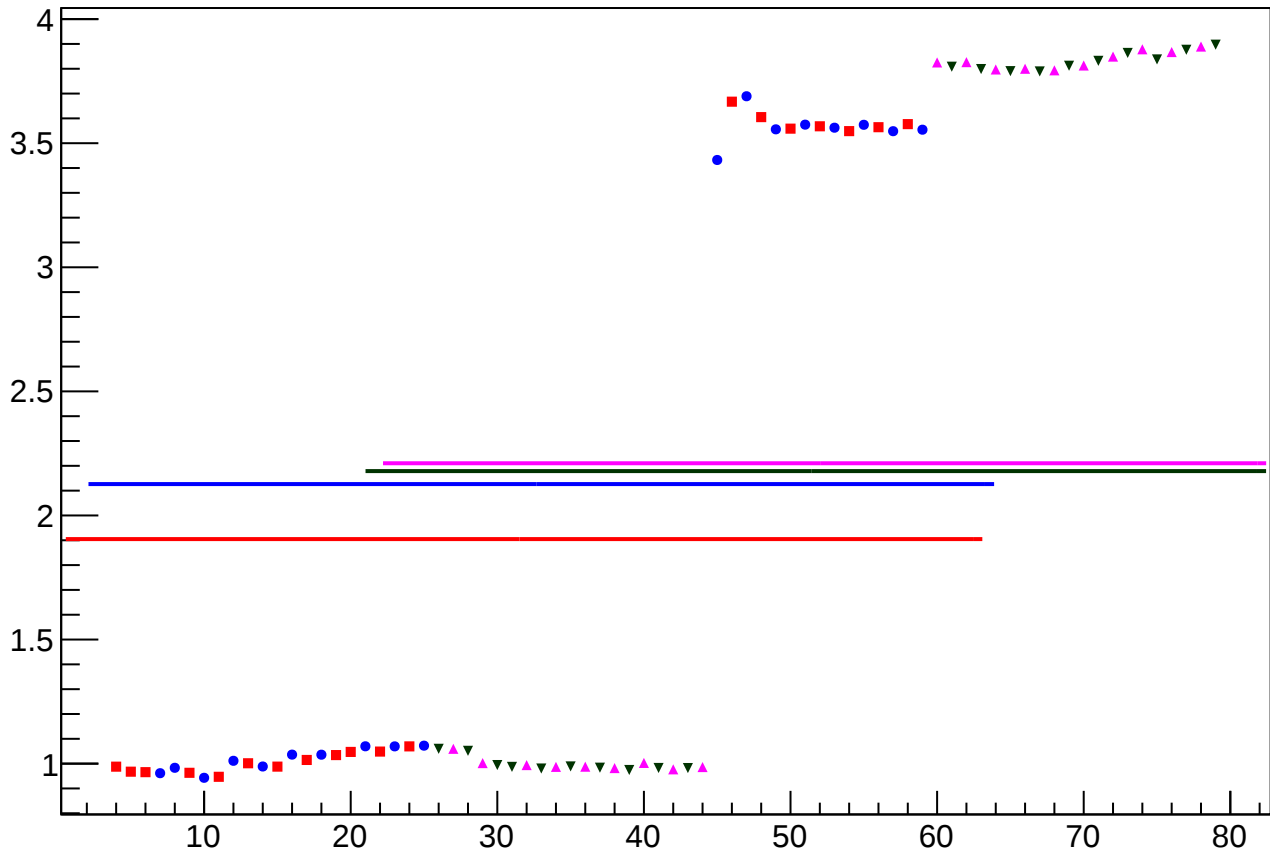
Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 54886.5/18

Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:165989.2/18

0.013 $\pm$ 0.000 χ^2 /NDF: 295374.1/37

0.013 $\pm$ 0.000 χ^2 /NDF: 245709.7/37

yield_bpm1i04X_mean vs slug



Right In: 2.126+/-0.000 χ^2/NDF : 292632575878.4/17

Left Out: 2.179+/-0.000 χ^2/NDF : 318402990560.2/19

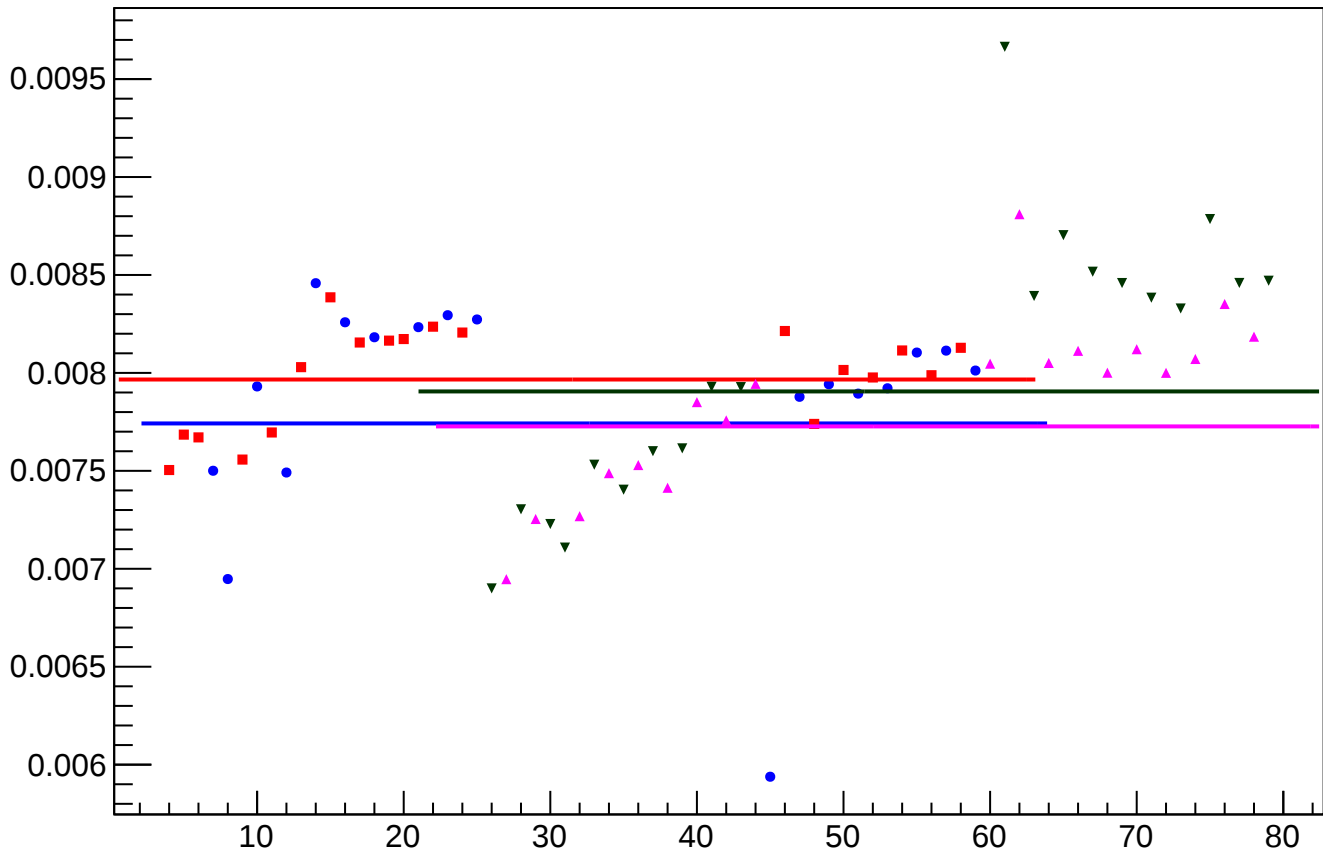
2.151+/-0.000 χ^2/NDF : 611272692802.2/37

Right Out: 1.905+/-0.000 χ^2/NDF : 236022966001.2/18

2.067+/-0.000 χ^2/NDF : 589661578310.1/37

Left In: 2.210+/-0.000 χ^2/NDF : 345927802322.3/18

yield_bpm1i04X_rms vs slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 178907.2/17

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:131887.9/19

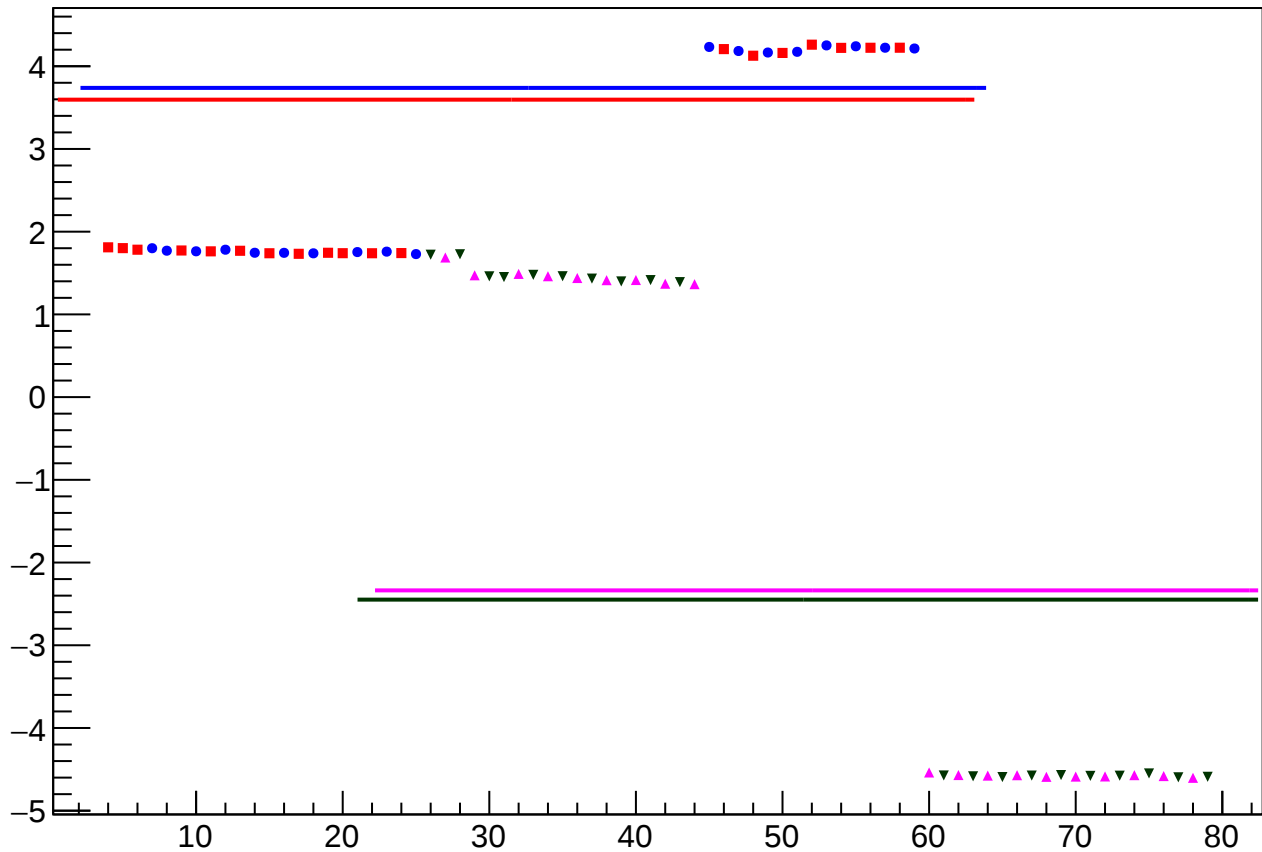
Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 20073.5/18

Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:74731.2/18

0.008 $\pm$ 0.000 χ^2 /NDF: 315420.6/37

0.008 $\pm$ 0.000 χ^2 /NDF: 104273.4/37

yield_bpm1i04Y_mean vs slug



Right In: 3.738+/-0.000 χ^2/NDF : 502669373965.6/17

Left Out: -2.448+/-0.000 χ^2/NDF : 3748448596050.6/19

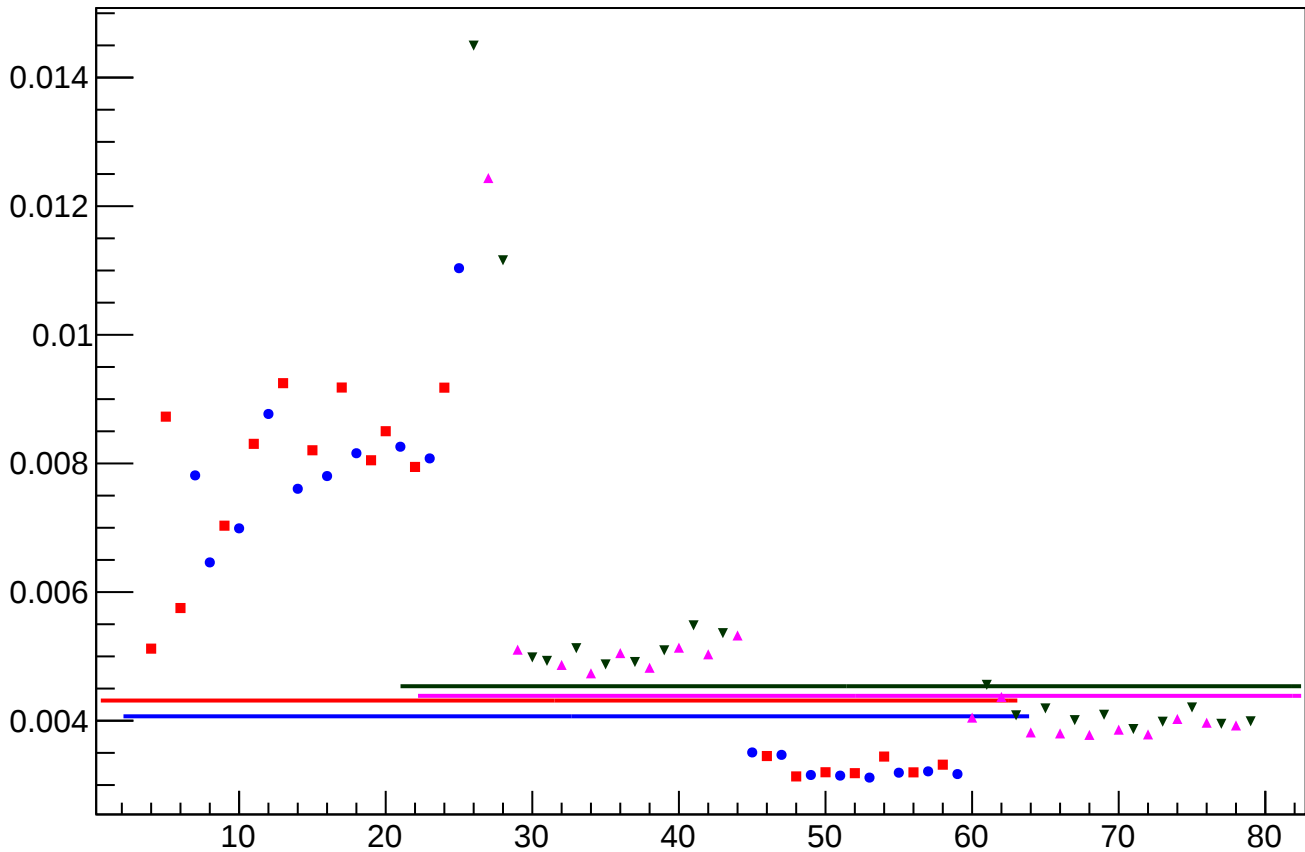
0.921+/-0.000 χ^2/NDF : 13653894988313.0/37

Right Out: 3.596+/-0.000 χ^2/NDF : 468031292414.6/18

0.359+/-0.000 χ^2/NDF : 12822738951021.1/37

Left In: -2.337+/-0.000 χ^2/NDF : 4278658222207.8/18

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 :1143707.5/19

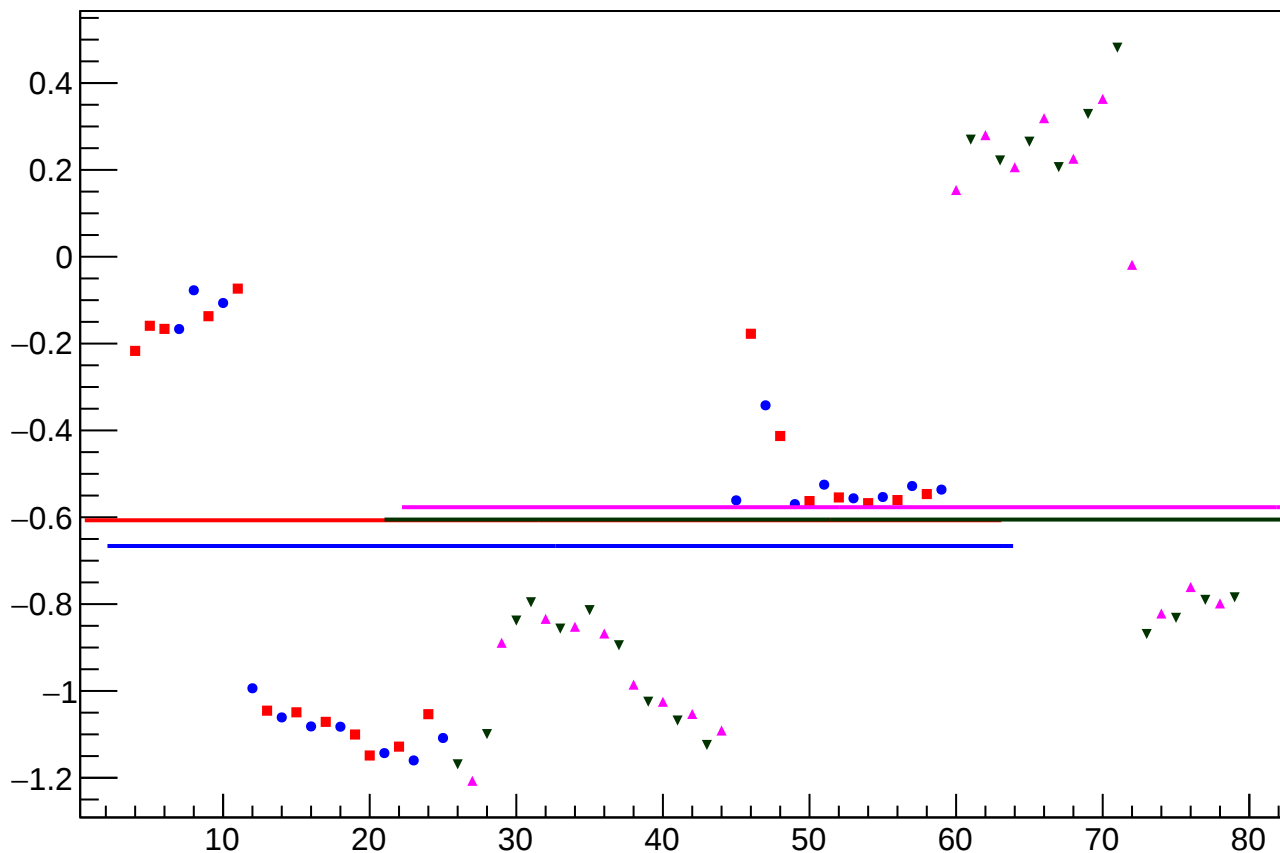
Right Out: 0.004+/-0.000 χ^2/NDF : 3241260.9/18

Left In: 0.004+/-0.000 χ^2/NDF :902131.1/18

0.004+/-0.000 χ^2/NDF : 4652971.9/37

0.004+/-0.000 χ^2/NDF : 4145837.6/37

yield_bpm0l01X_mean vs slug



Right In: -0.666+/-0.000 χ^2/NDF : 19135534349.5/17

Left Out: -0.605+/-0.000 χ^2/NDF : 39904310167.5/19

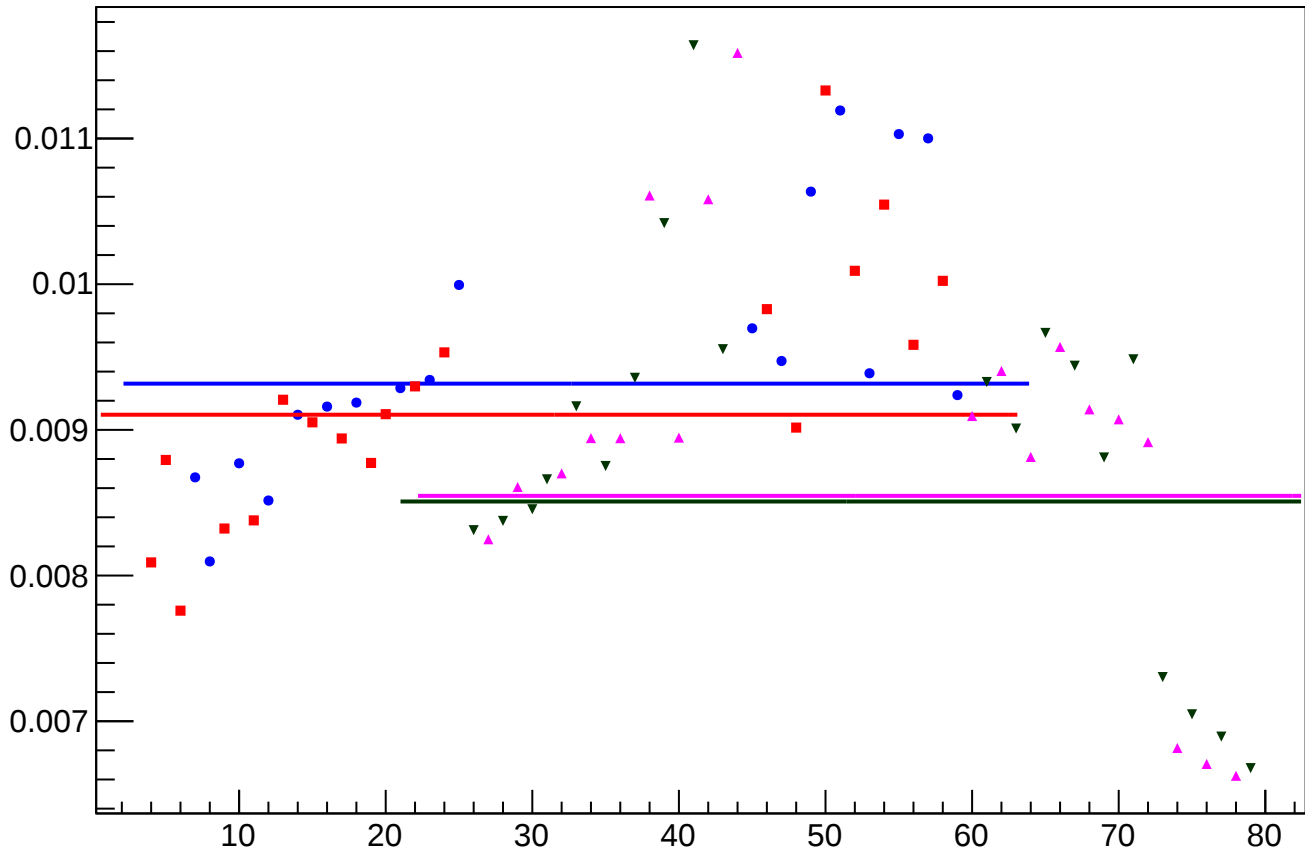
Right Out: -0.607+/-0.000 χ^2/NDF : 19217252419.4/18

Left In: -0.577+/-0.000 χ^2/NDF : 40459737440.1/18

-0.634+/-0.000 χ^2/NDF : 59283927019.7/37

-0.590+/-0.000 χ^2/NDF : 59734985774.9/37

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 : 399501.6/19

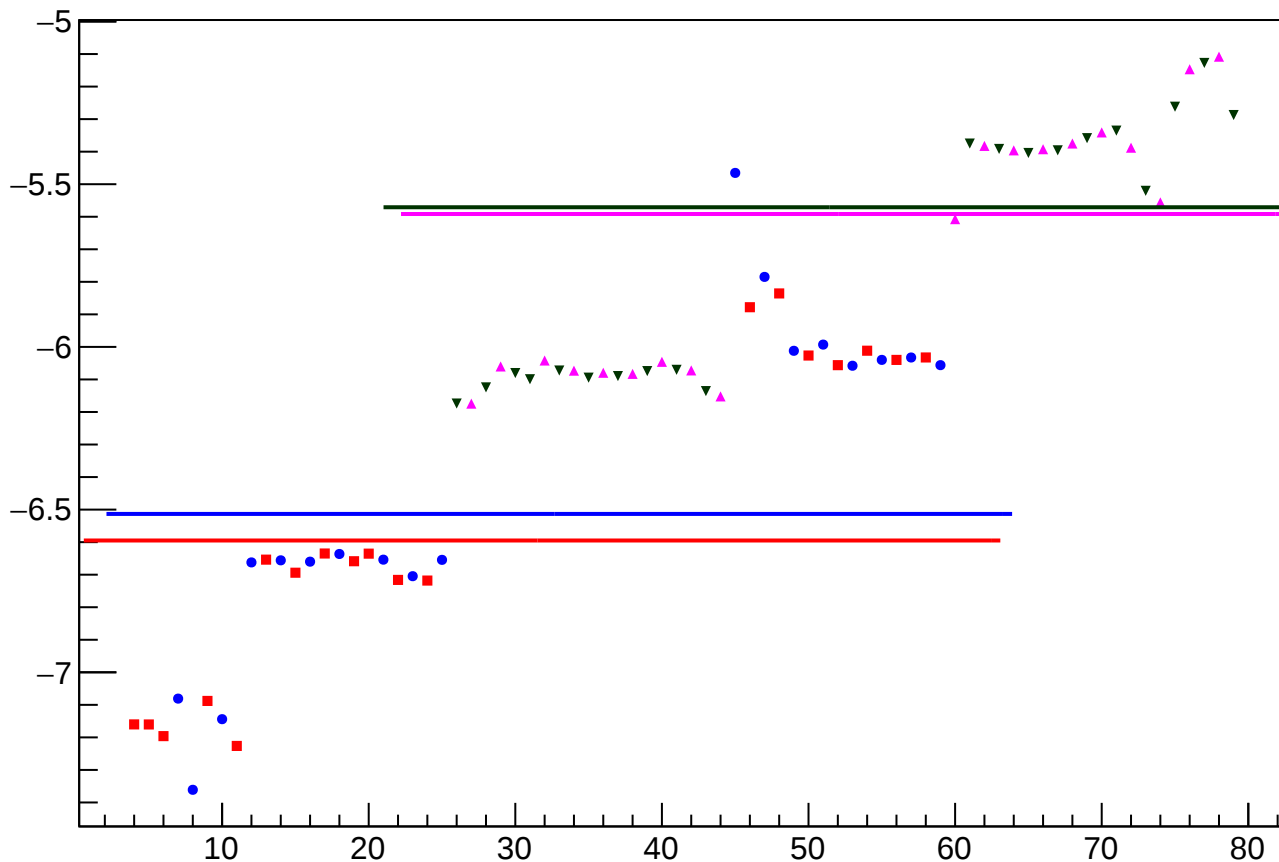
Right Out: 0.009+/-0.000 χ^2/NDF : 159092.9/18

Left In: 0.009+/-0.000 χ^2/NDF : 413549.8/18

0.009+/-0.000 χ^2/NDF : 651398.3/37

0.009+/-0.000 χ^2/NDF : 612272.6/37

yield_bpm0l01Y_mean vs slug



Right In: -6.513+/-0.000 χ^2/NDF : 34103178286.6/17

Left Out: -5.571+/-0.000 χ^2/NDF : 22657062909.7/19

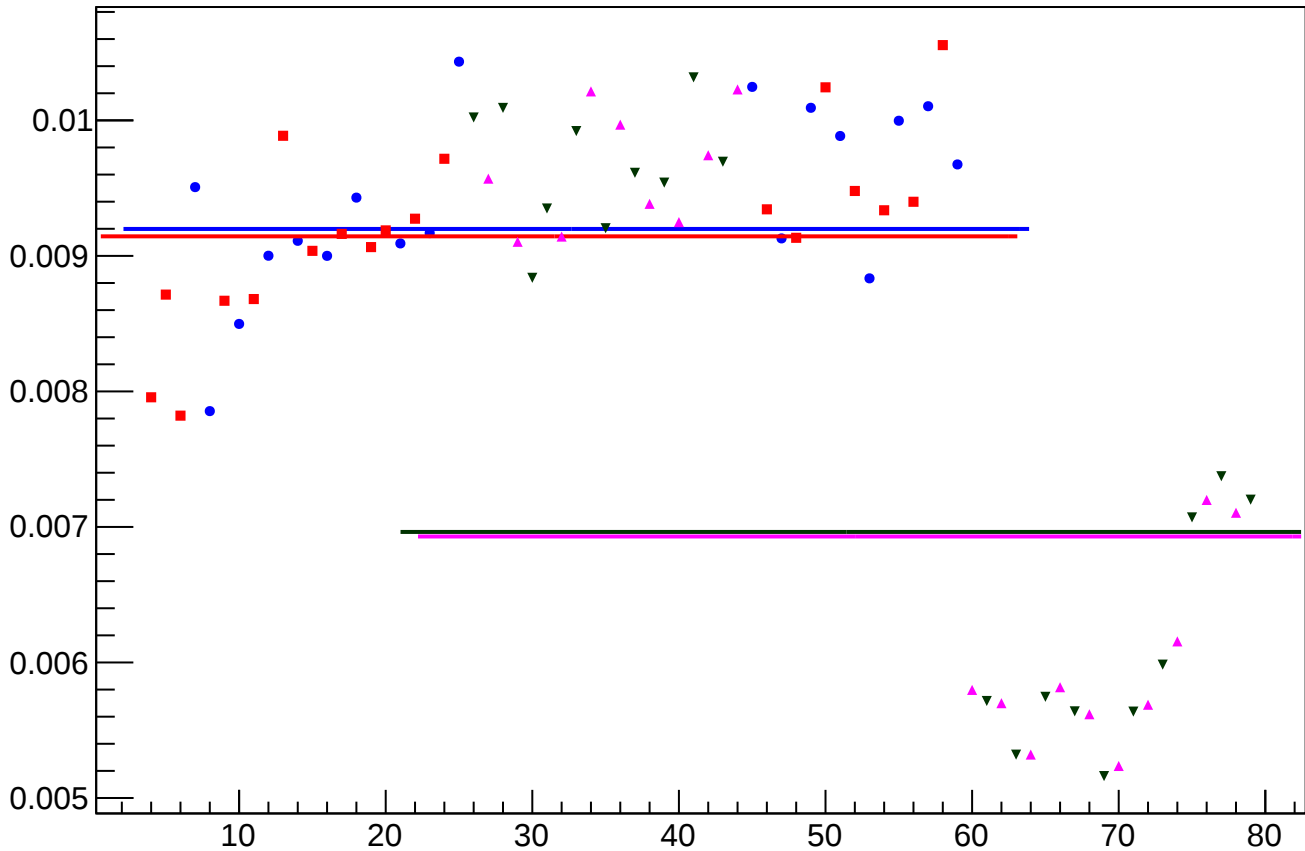
-5.945+/-0.000 χ^2/NDF : 125282468433.7/37

Right Out: -6.595+/-0.000 χ^2/NDF : 25777696502.6/18

-5.951+/-0.000 χ^2/NDF : 122832262379.1/37

Left In: -5.592+/-0.000 χ^2/NDF : 23497210996.1/18

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 :1256193.4/19

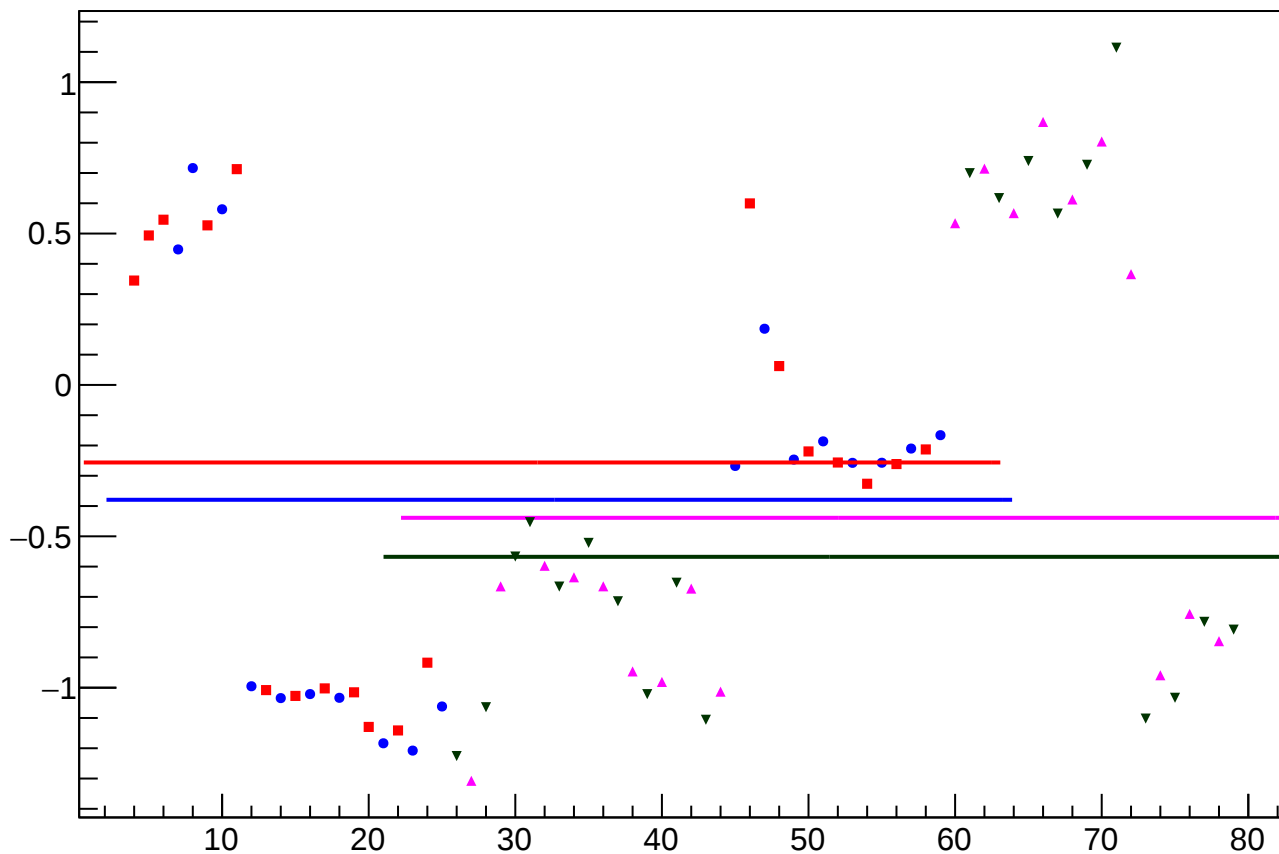
Right Out: 0.009+/-0.000 χ^2/NDF : 101222.8/18

Left In: 0.007+/-0.000 χ^2/NDF :1267771.2/18

0.008+/-0.000 χ^2/NDF : 2147976.6/37

0.008+/-0.000 χ^2/NDF : 2085733.0/37

yield_bpm0l02X_mean vs slug



Right In: -0.379 ± 0.000 χ^2/NDF : 10136750548.1/17

Left Out: -0.568 ± 0.000 χ^2/NDF : 23164147530.5/19

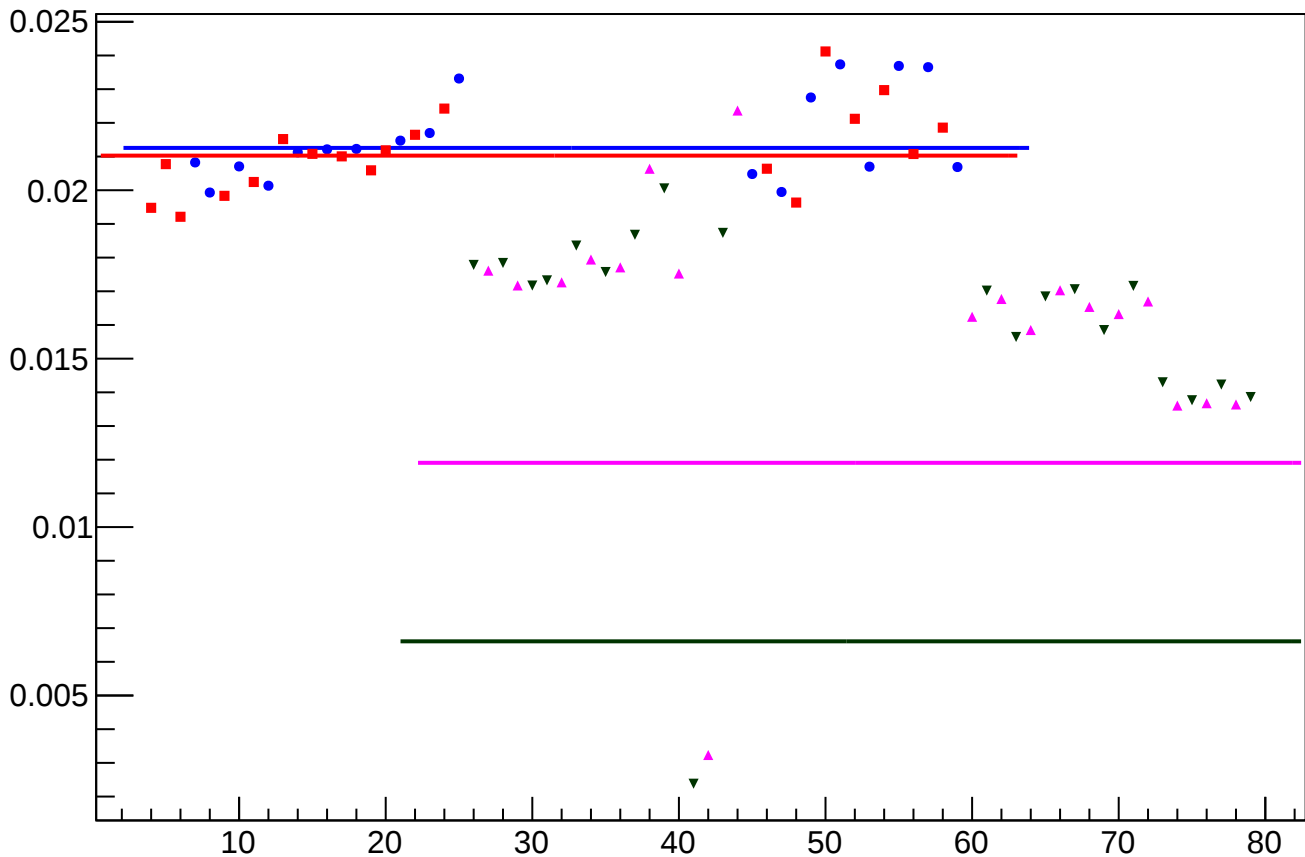
Right Out: -0.256 ± 0.000 χ^2/NDF : 10103342122.6/18

Left In: -0.439 ± 0.000 χ^2/NDF : 21363662165.2/18

-0.535 ± 0.000 χ^2/NDF : 34018162714.0/37

-0.387 ± 0.000 χ^2/NDF : 31994514838.7/37

yield_bpm0l02X_rms vs slug



Right In: 0.021+/-0.000 χ^2/NDF : 64142.6/17

Left Out: 0.007+/-0.000 χ^2/NDF :10001470.6/19

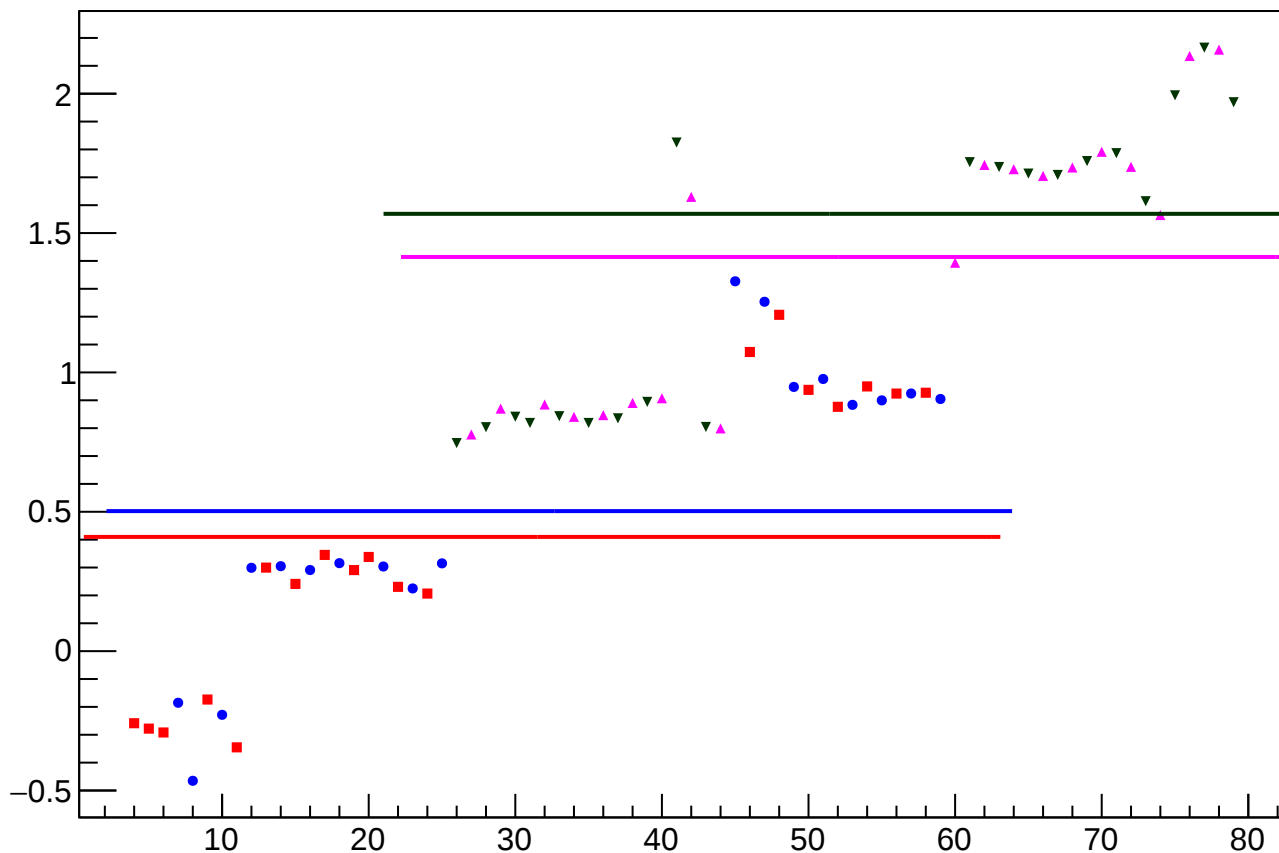
0.009+/-0.000 χ^2/NDF : 18738516.2/37

Right Out: 0.021+/-0.000 χ^2/NDF : 62886.6/18

0.014+/-0.000 χ^2/NDF : 7407225.6/37

Left In: 0.012+/-0.000 χ^2/NDF :4716858.8/18

yield_bpm0l02Y_mean vs slug



Right In: 0.502+/-0.000 χ^2/NDF : 19155654908.3/17

Left Out: 1.569+/-0.000 χ^2/NDF : 25719563226.6/19

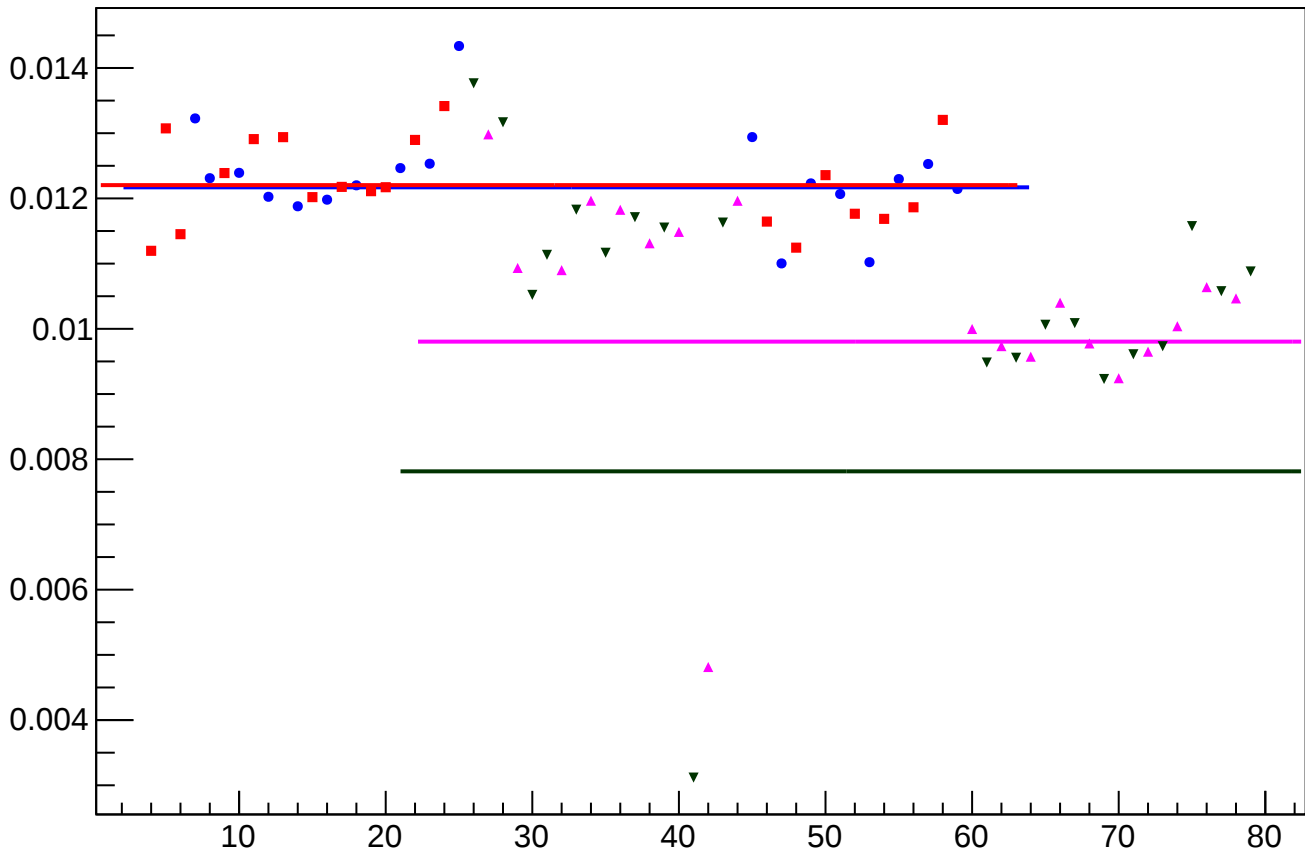
Right Out: 0.410+/-0.000 χ^2/NDF : 16439315084.0/18

Left In: 1.414+/-0.000 χ^2/NDF : 20830932537.6/18

1.191+/-0.000 χ^2/NDF : 99122514260.8/37

1.026+/-0.000 χ^2/NDF : 77284078653.7/37

yield_bpm0l02Y_rms vs slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 45604.3/17

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:3842126.8/19

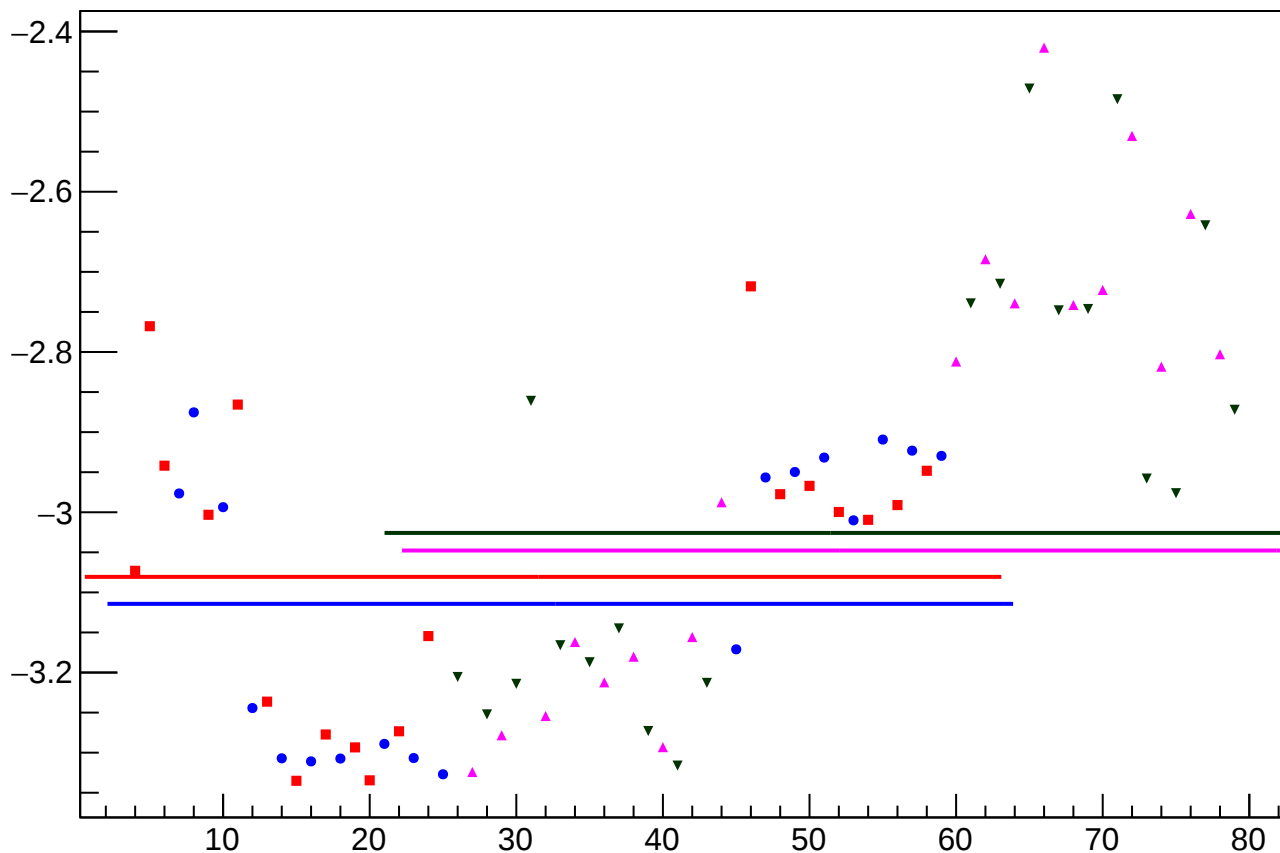
0.009 $\pm$ 0.000 χ^2 /NDF: 5696873.7/37

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 53181.0/18

0.011 $\pm$ 0.000 χ^2 /NDF: 1510417.0/37

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:1000250.8/18

yield_bpm0l03X_mean vs slug



Right In: -3.114+/-0.000 χ^2/NDF : 4627659924.1/17

Left Out: -3.026+/-0.000 χ^2/NDF : 11453162534.5/19

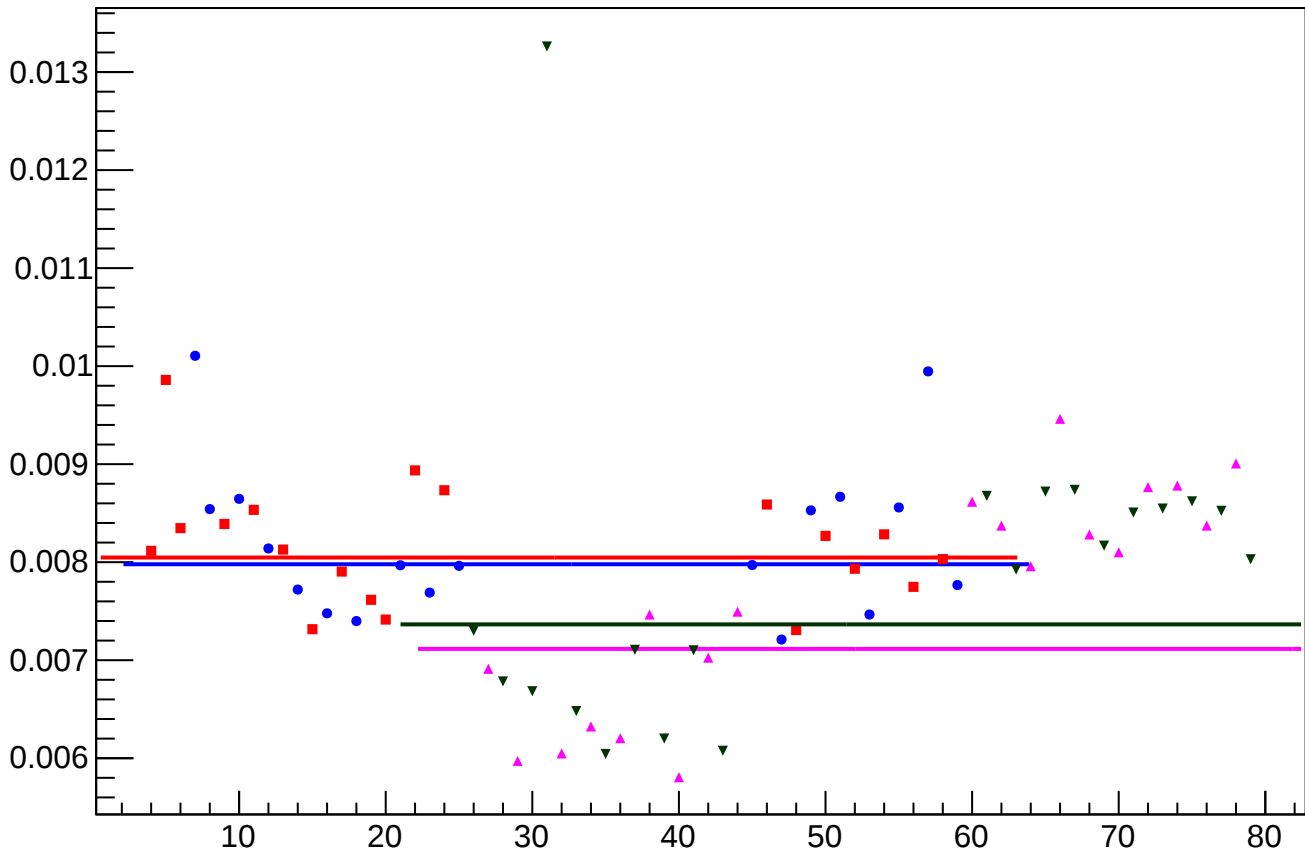
Right Out: -3.081+/-0.000 χ^2/NDF : 3839311184.0/18

Left In: -3.048+/-0.000 χ^2/NDF : 13323834999.4/18

-3.068+/-0.000 χ^2/NDF : 16697736332.9/37

-3.061+/-0.000 χ^2/NDF : 17244640032.1/37

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 : 426285.9/19

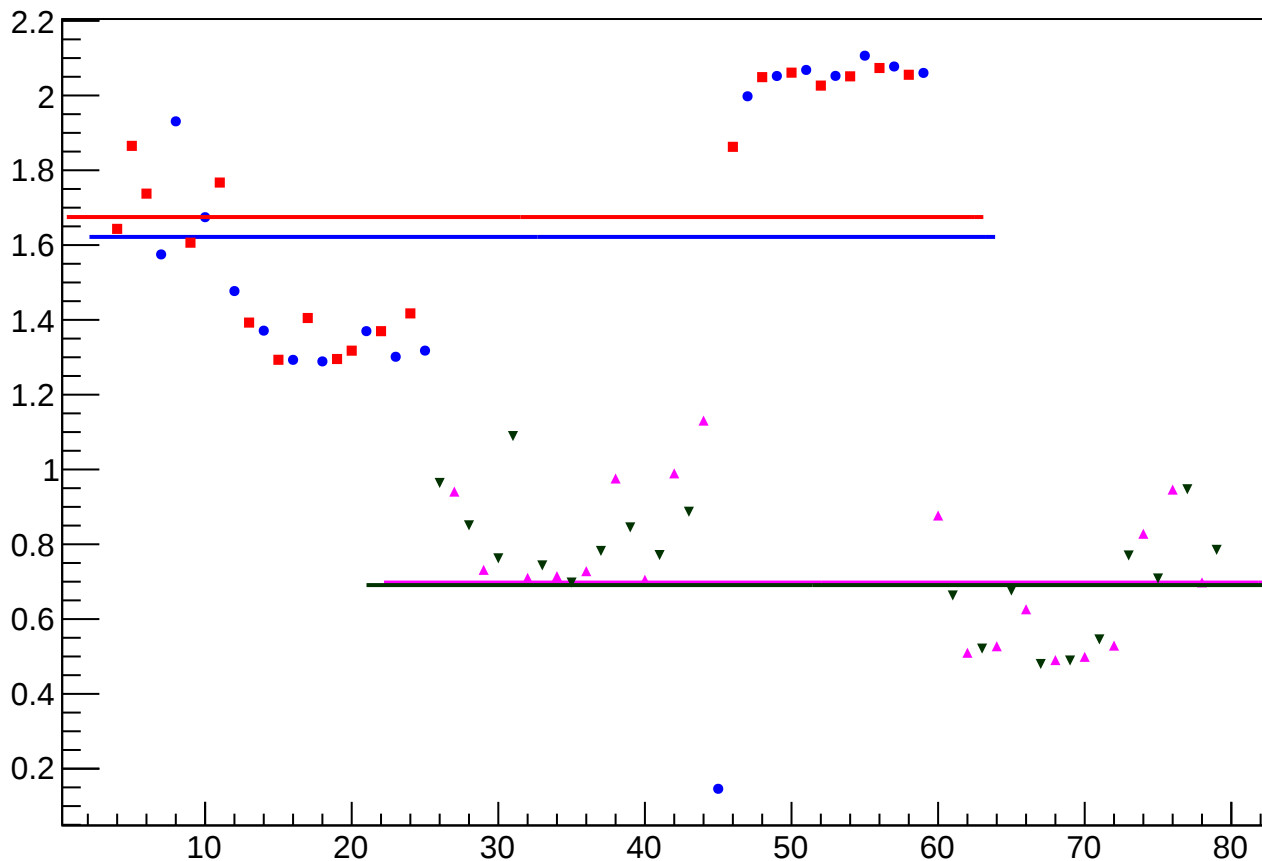
Right Out: 0.008+/-0.000 χ^2/NDF : 57509.8/18

Left In: 0.007+/-0.000 χ^2/NDF : 448154.3/18

0.008+/-0.000 χ^2/NDF : 580806.5/37

0.008+/-0.000 χ^2/NDF : 636550.6/37

yield_bpm0l03Y_mean vs slug



Right In: 1.622 $\pm$ 0.000 χ^2 /NDF: 26006902897.9/17

Left Out: 0.691 $\pm$ 0.000 χ^2 /NDF:3728638082.7/19

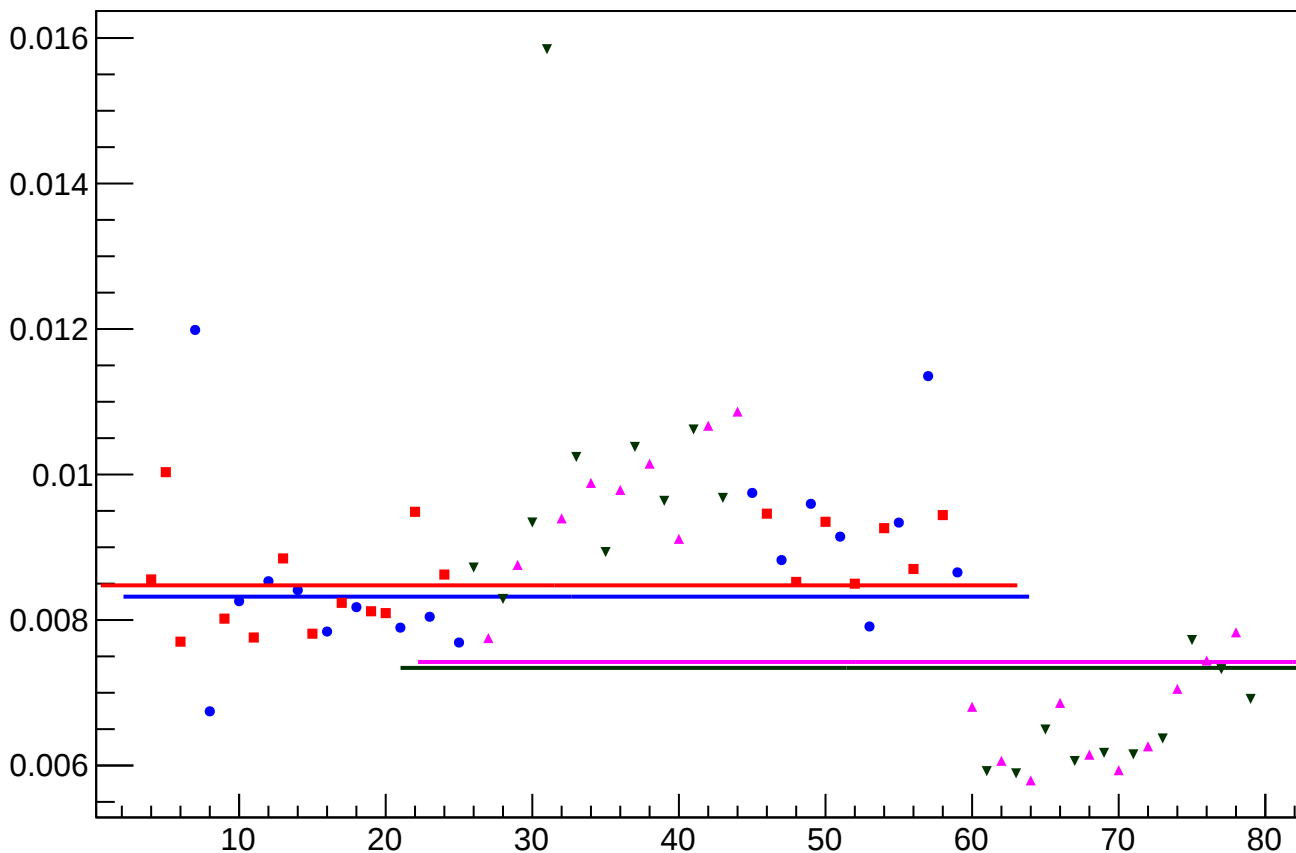
Right Out: 1.675 $\pm$ 0.000 χ^2 /NDF: 9809193440.2/18

Left In: 0.698 $\pm$ 0.000 χ^2 /NDF:5309699738.7/18

1.118 $\pm$ 0.000 χ^2 /NDF: 93182925661.9/37

1.102 $\pm$ 0.000 χ^2 /NDF: 78873448849.4/37

yield_bpm0l03Y_rms vs slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 231289.2/17

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 871778.4/19

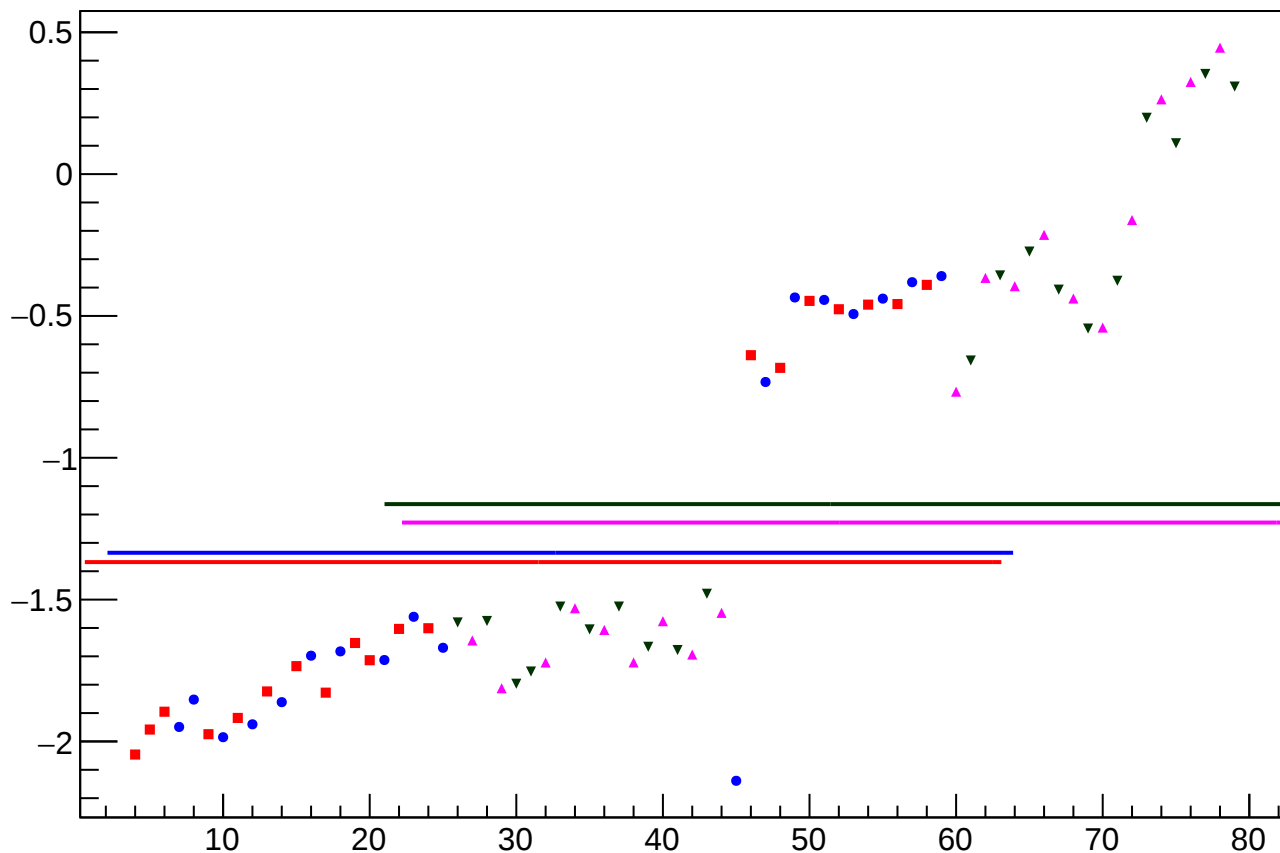
Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 80155.6/18

Left In: 0.007 $\pm$ 0.000 χ^2 /NDF: 736086.1/18

0.008 $\pm$ 0.000 χ^2 /NDF: 1243504.0/37

0.008 $\pm$ 0.000 χ^2 /NDF: 964351.1/37

yield_bpm0l04X_mean vs slug



Right In: -1.335+/-0.000 χ^2/NDF : 38397269291.9/17

Left Out: -1.163+/-0.000 χ^2/NDF : 26369934241.8/19

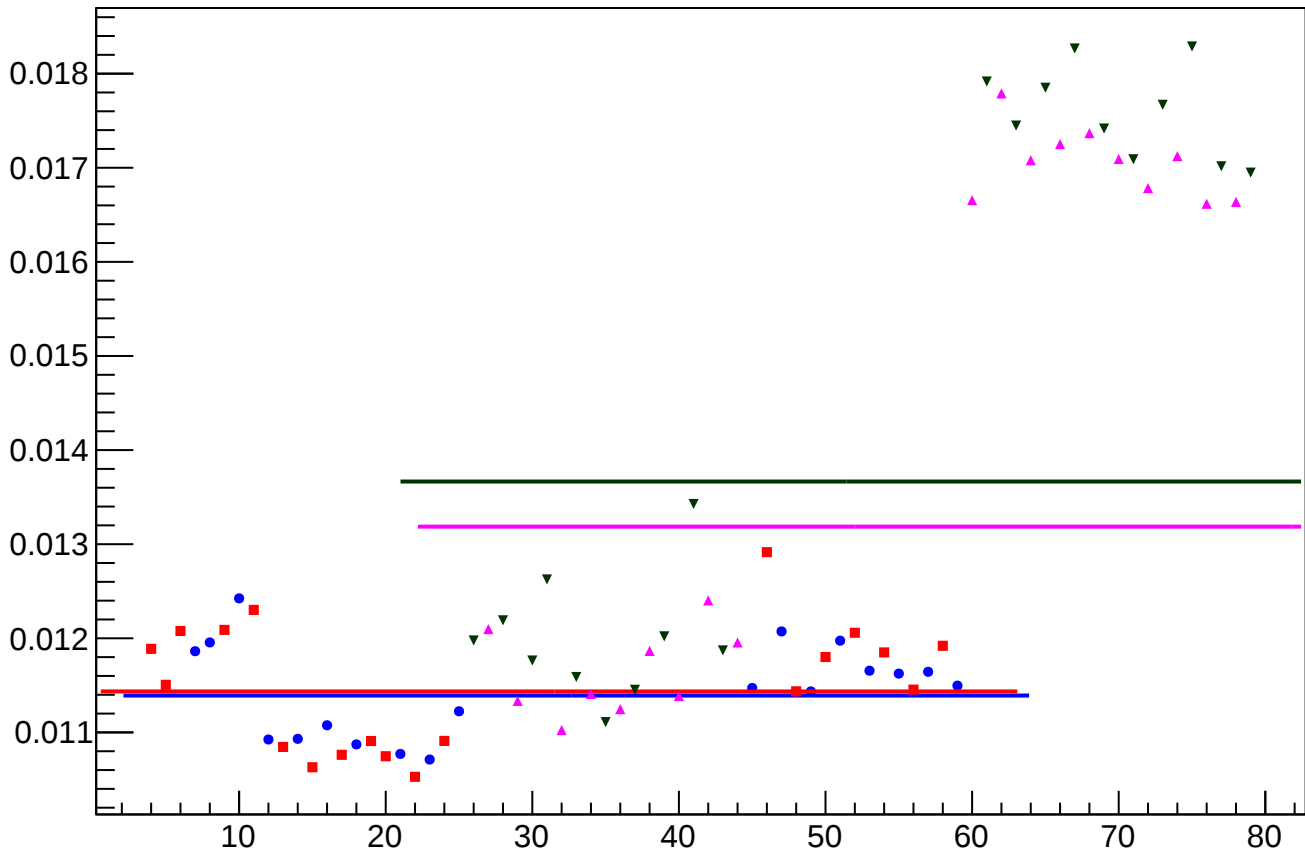
Right Out: -1.368+/-0.000 χ^2/NDF : 29057521992.7/18

Left In: -1.228+/-0.000 χ^2/NDF : 30010412561.6/18

-1.269+/-0.000 χ^2/NDF : 65728104456.4/37

-1.306+/-0.000 χ^2/NDF : 59710035018.3/37

yield_bpm0l04X_rms vs slug



Right In: 0.011 ± 0.000 χ^2/NDF : 41989.4/17

Left Out: 0.014 ± 0.000 χ^2/NDF : 740367.6/19

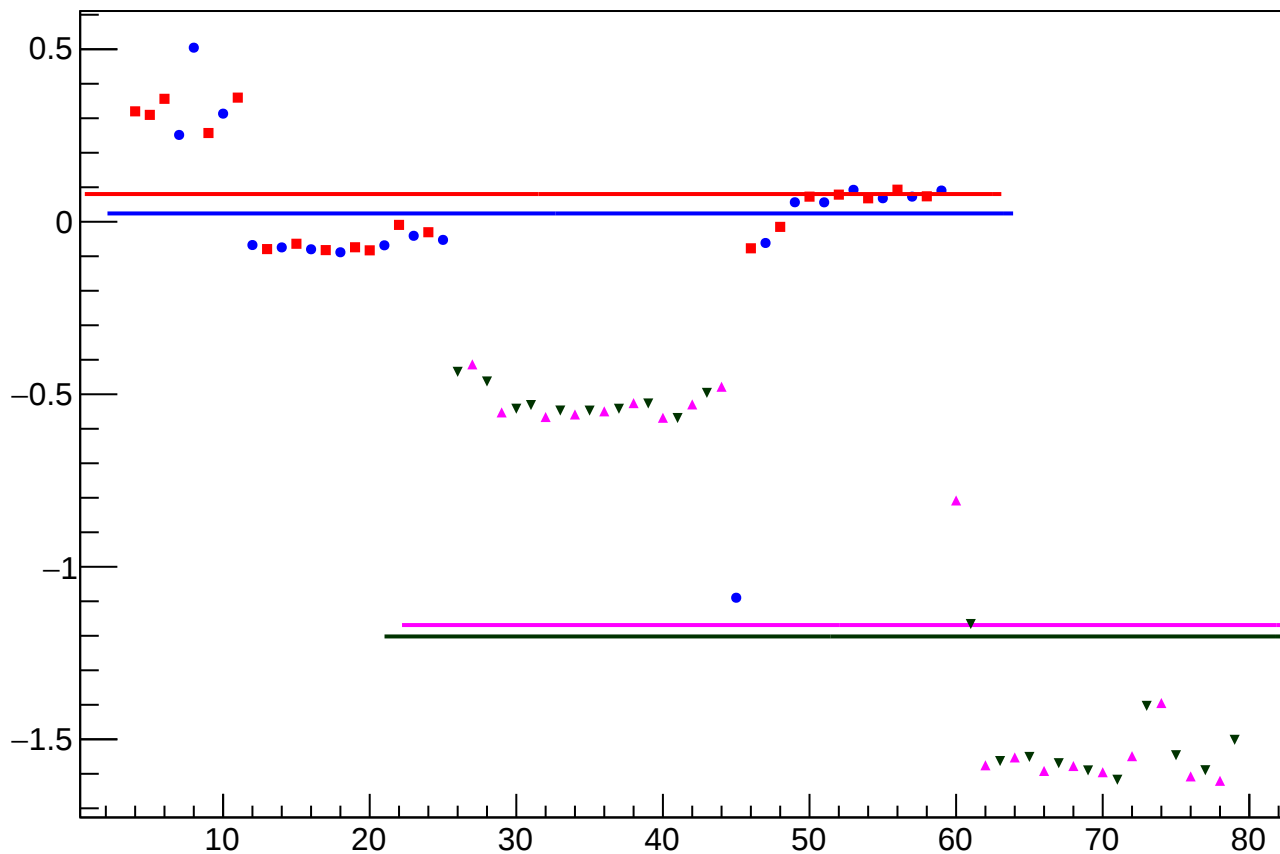
Right Out: 0.011 ± 0.000 χ^2/NDF : 65676.1/18

Left In: 0.013 ± 0.000 χ^2/NDF : 750428.0/18

0.012 ± 0.000 χ^2/NDF : 1120283.5/37

0.012 ± 0.000 χ^2/NDF : 1018636.0/37

yield_bpm0l04Y_mean vs slug



Right In: 0.024+/-0.000 χ^2/NDF : 18234538167.9/17

Left Out: -1.202+/-0.000 χ^2/NDF : 56528102803.5/19

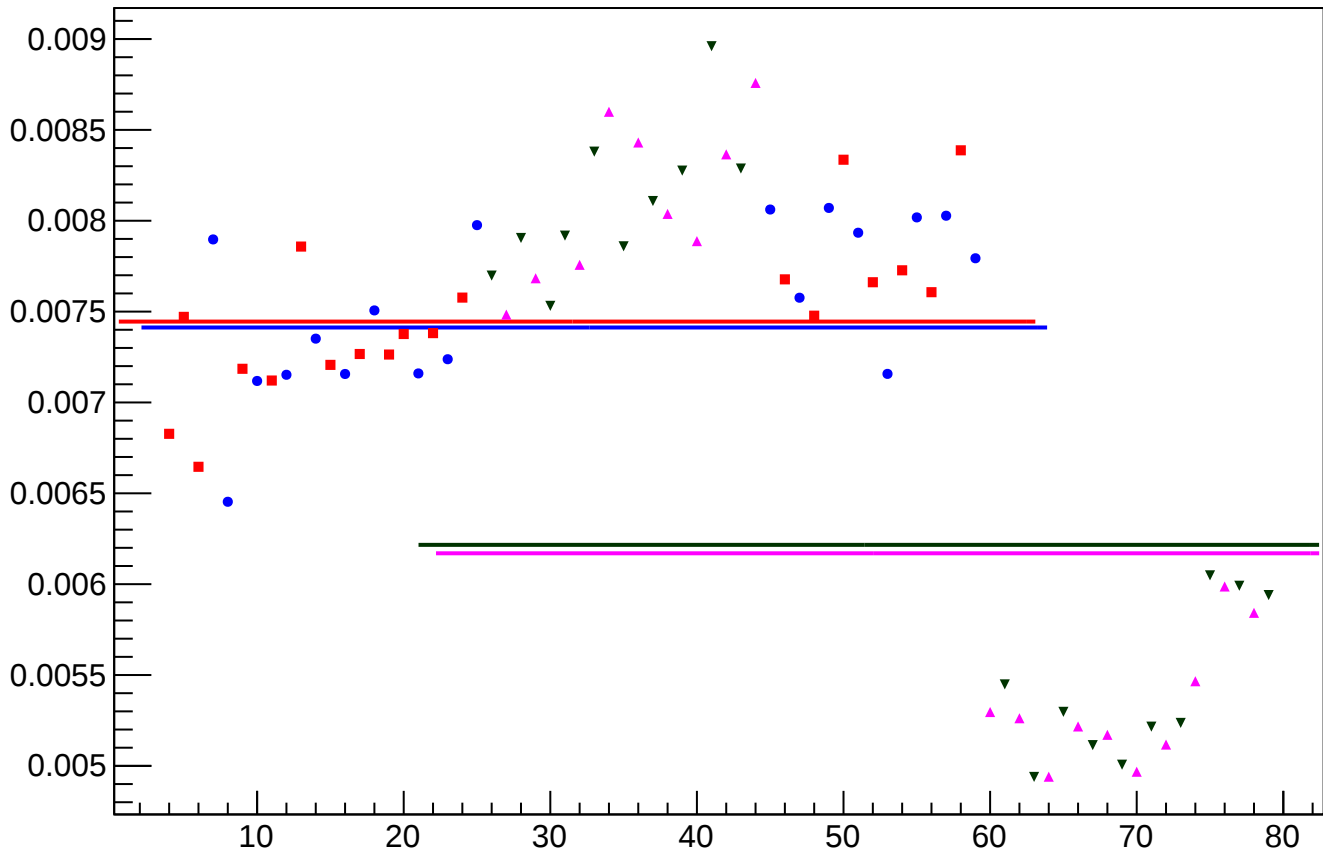
Right Out: 0.080+/-0.000 χ^2/NDF : 4561023053.2/18

Left In: -1.169+/-0.000 χ^2/NDF : 63968734638.2/18

-0.659+/-0.000 χ^2/NDF : 240788667072.7/37

-0.675+/-0.000 χ^2/NDF : 231378645826.5/37

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 : 861895.0/19

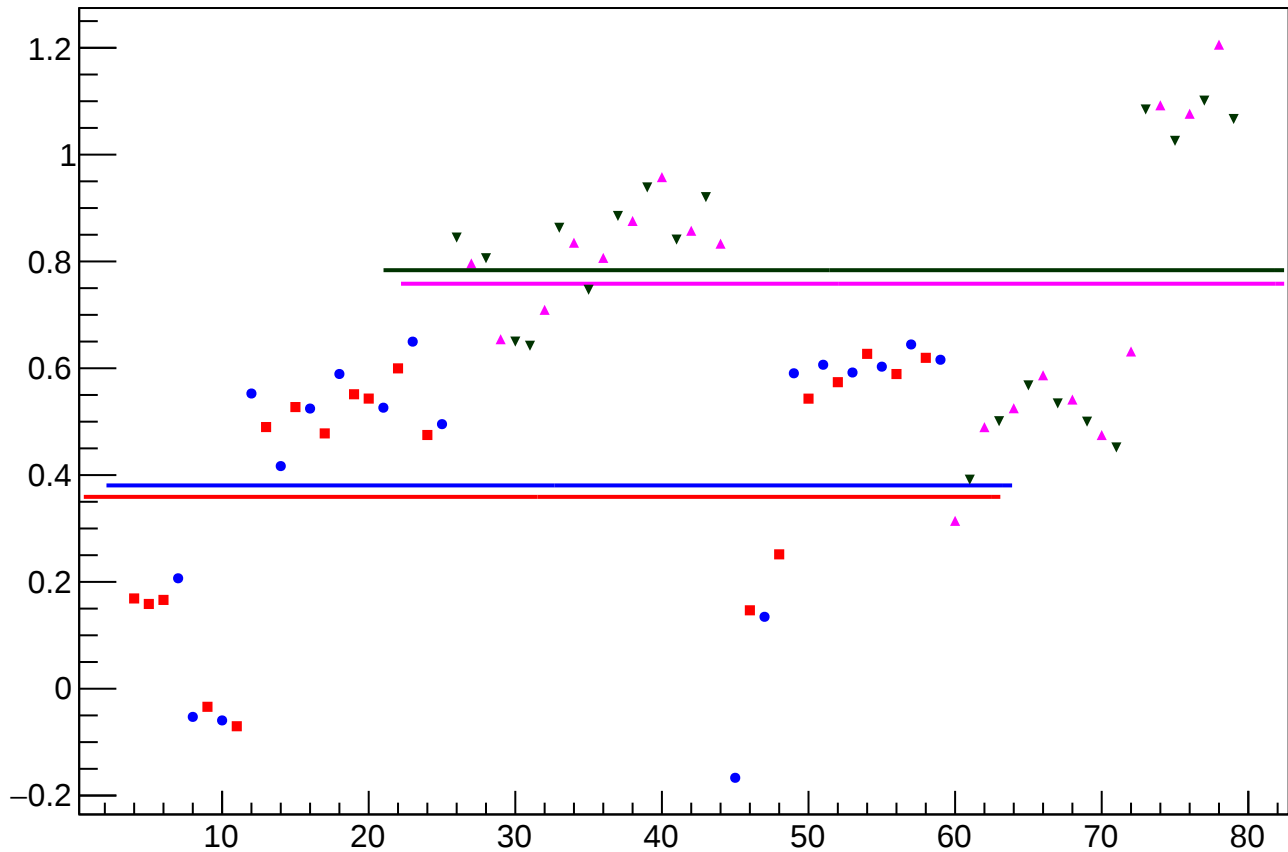
Right Out: 0.007+/-0.000 χ^2/NDF : 61122.7/18

Left In: 0.006+/-0.000 χ^2/NDF : 906802.1/18

0.007+/-0.000 χ^2/NDF : 1269115.2/37

0.007+/-0.000 χ^2/NDF : 1307294.7/37

yield_bpm0l05X_mean vs slug



Right In: 0.381+/-0.000 χ^2/NDF : 17766233664.3/17

Left Out: 0.784+/-0.000 χ^2/NDF : 9151299824.9/19

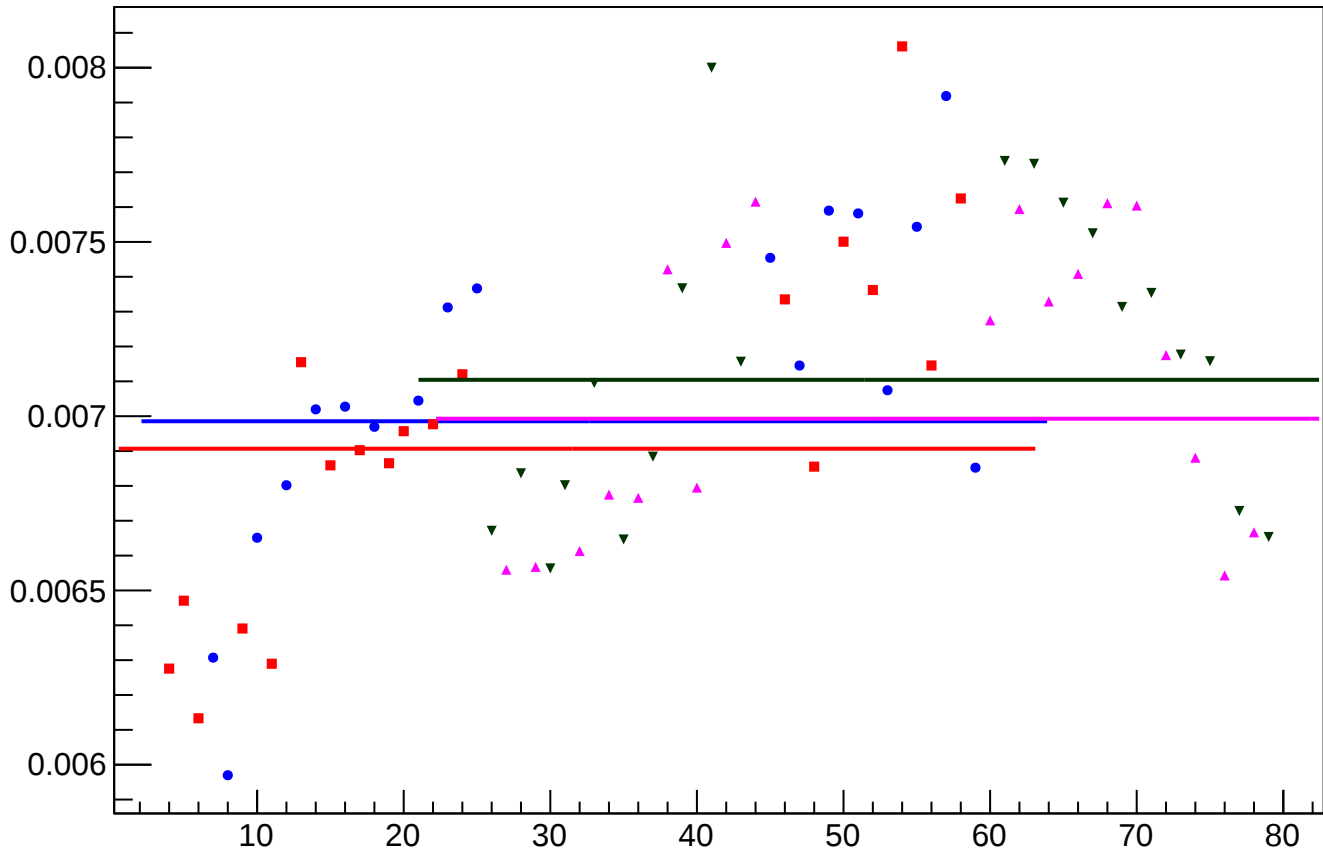
Right Out: 0.359+/-0.000 χ^2/NDF : 11904326957.3/18

Left In: 0.758+/-0.000 χ^2/NDF : 10225014860.6/18

0.571+/-0.000 χ^2/NDF : 44171501145.6/37

0.565+/-0.000 χ^2/NDF : 38759616549.5/37

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 : 66388.4/19

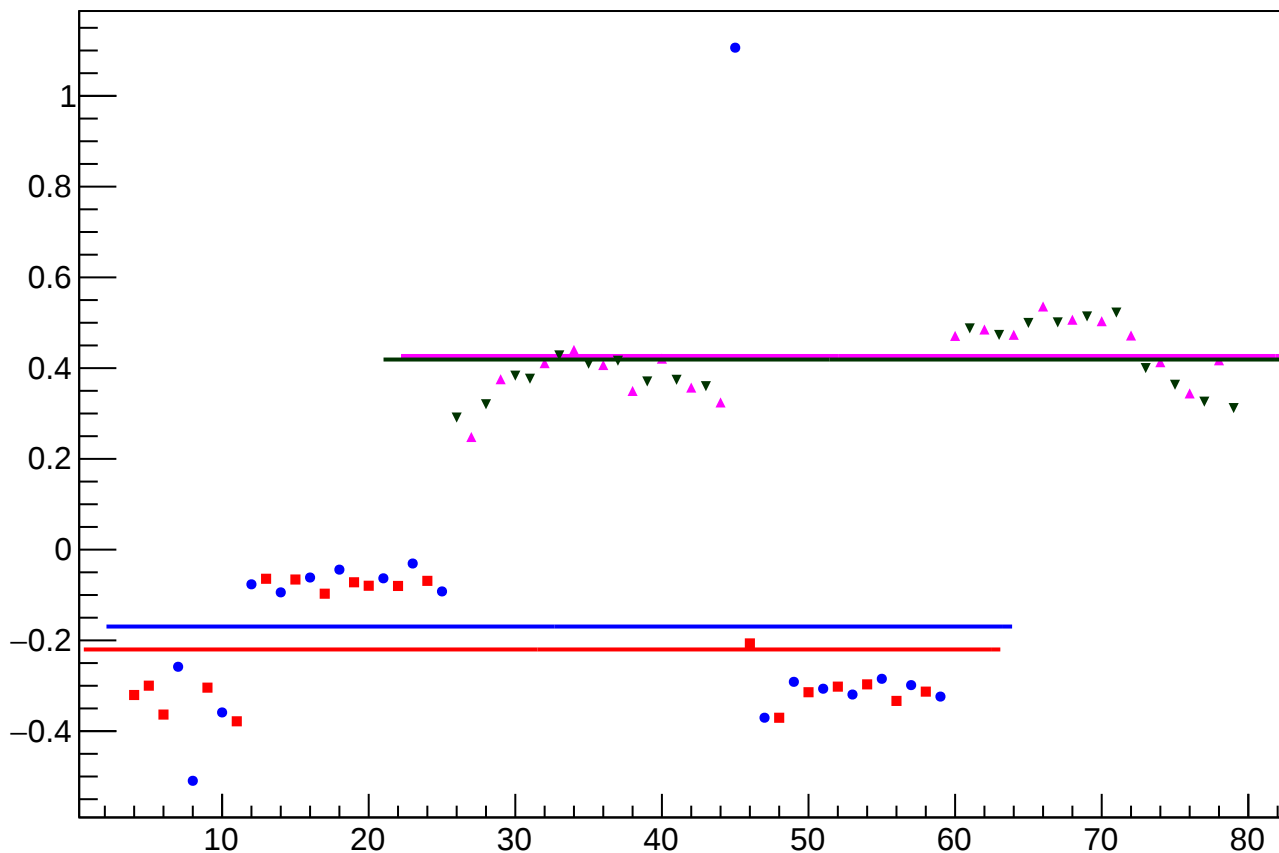
Right Out: 0.007+/-0.000 χ^2/NDF : 97555.6/18

Left In: 0.007+/-0.000 χ^2/NDF : 72595.6/18

0.007+/-0.000 χ^2/NDF : 176548.6/37

0.007+/-0.000 χ^2/NDF : 171698.1/37

yield_bpm0l05Y_mean vs slug



Right In: -0.169+/-0.000 χ^2 /NDF: 37135565875.9/17

Left Out: 0.419+/-0.000 χ^2 /NDF:2300390366.7/19

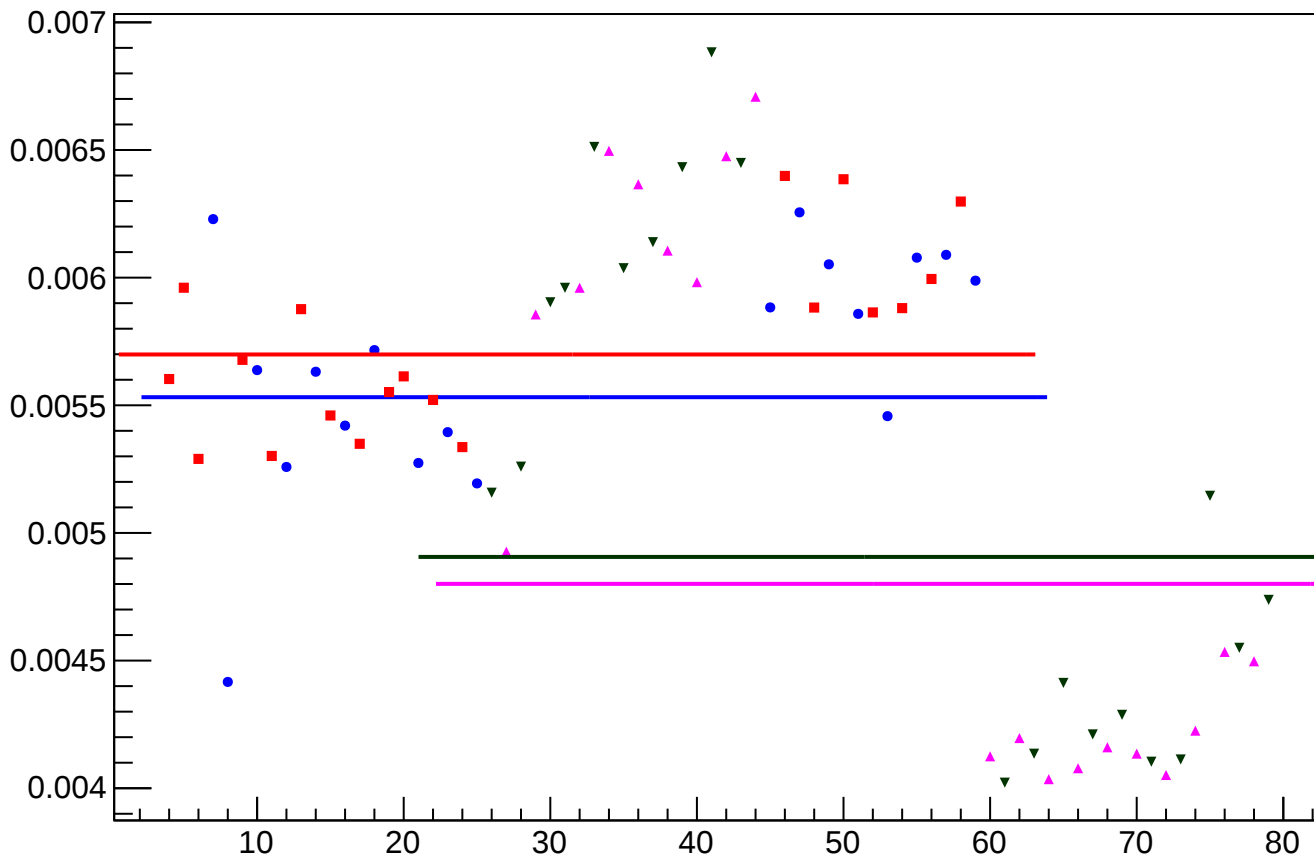
Right Out: -0.220+/-0.000 χ^2 /NDF: 4721801975.9/18

Left In: 0.427+/-0.000 χ^2 /NDF:2600351849.3/18

0.144+/-0.000 χ^2 /NDF: 104413692601.0/37

0.167+/-0.000 χ^2 /NDF: 80644271630.9/37

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: 632999.4/19

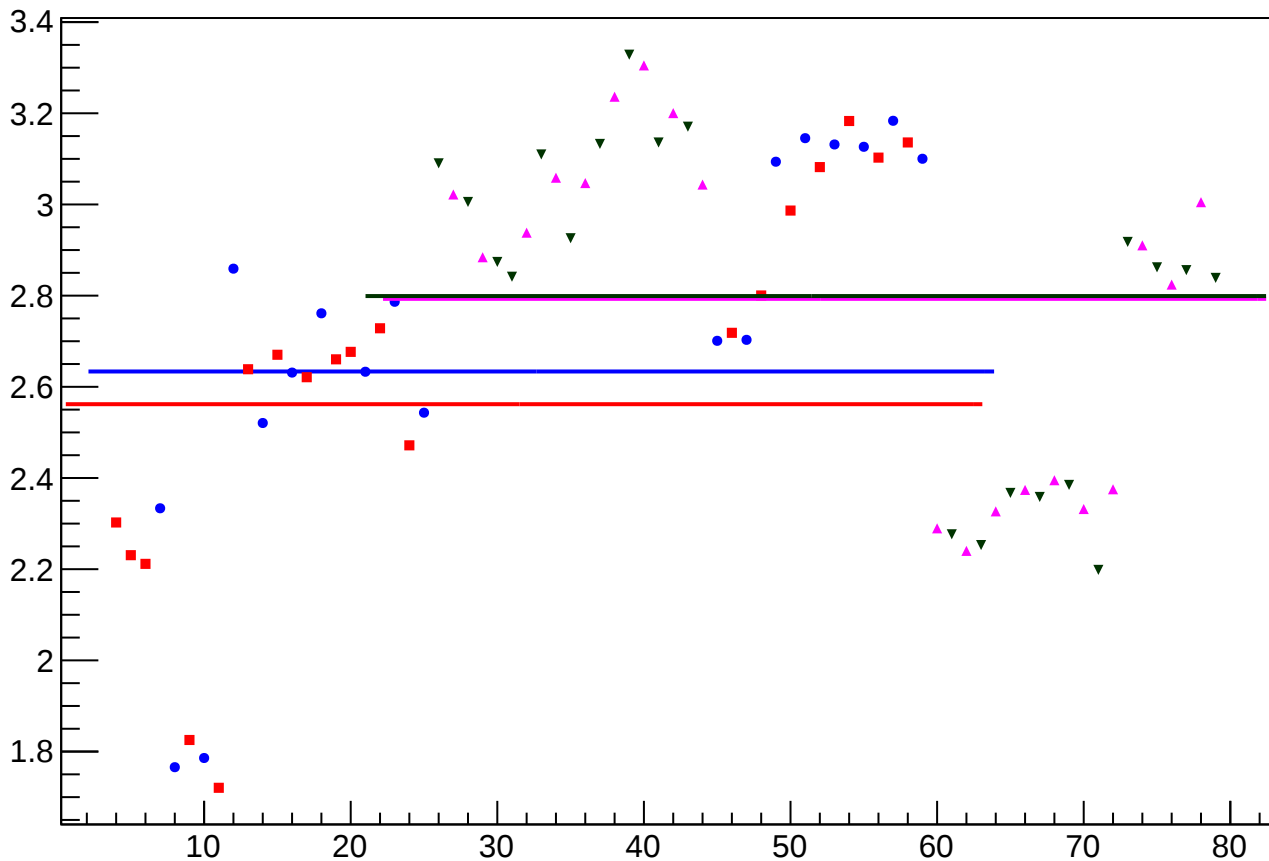
Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 66415.4/18

Left In: 0.005 $\pm$ 0.000 χ^2 /NDF: 699866.9/18

0.005 $\pm$ 0.000 χ^2 /NDF: 966895.2/37

0.005 $\pm$ 0.000 χ^2 /NDF: 1049295.0/37

yield_bpm0l06X_mean vs slug



Right In: 2.634+/-0.000 χ^2/NDF : 15879791998.3/17

Left Out: 2.799+/-0.000 χ^2/NDF :12909032227.7/19

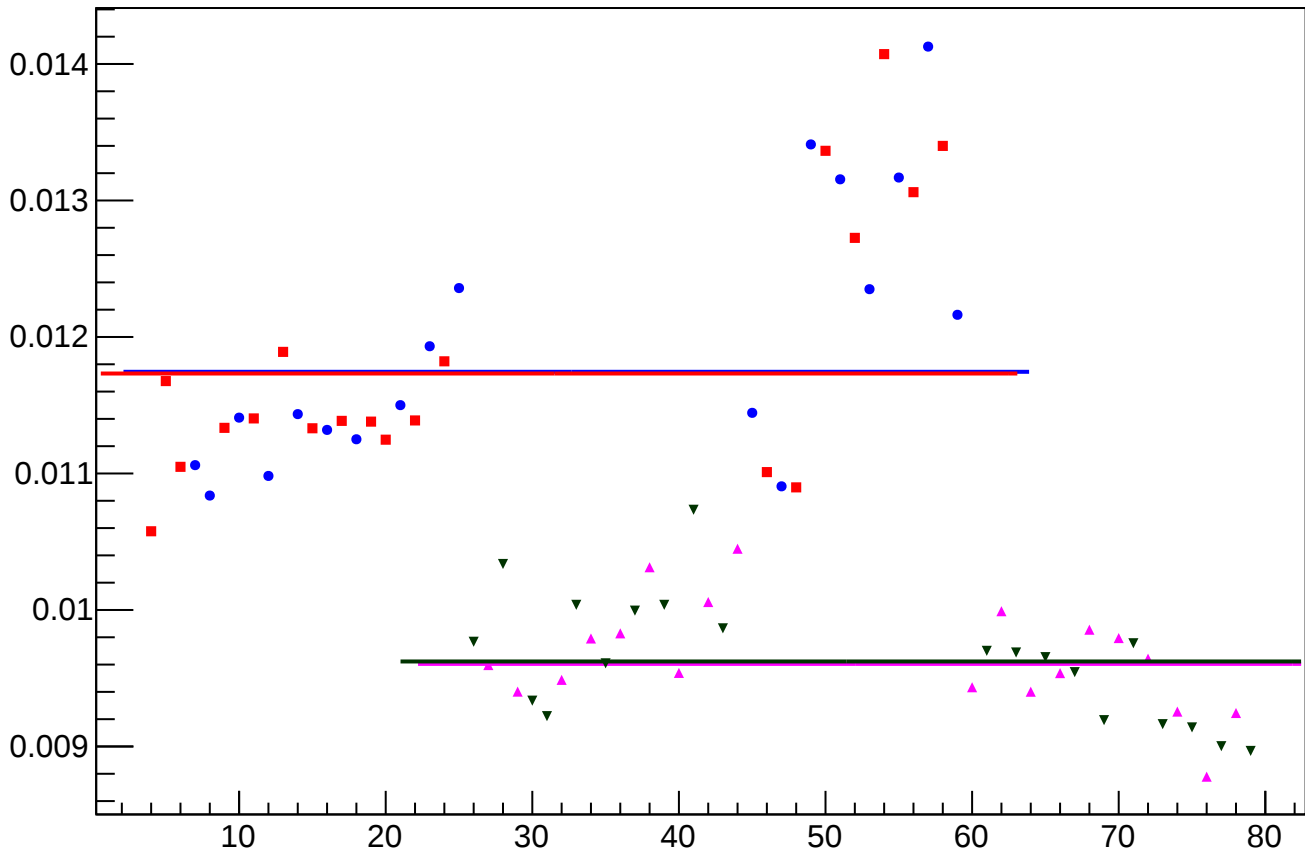
2.730+/-0.000 χ^2/NDF : 30051804176.6/37

Right Out: 2.562+/-0.000 χ^2/NDF : 12349960173.0/18

2.705+/-0.000 χ^2/NDF : 27845115204.3/37

Left In: 2.793+/-0.000 χ^2/NDF :13184721091.3/18

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: 45450.3/19

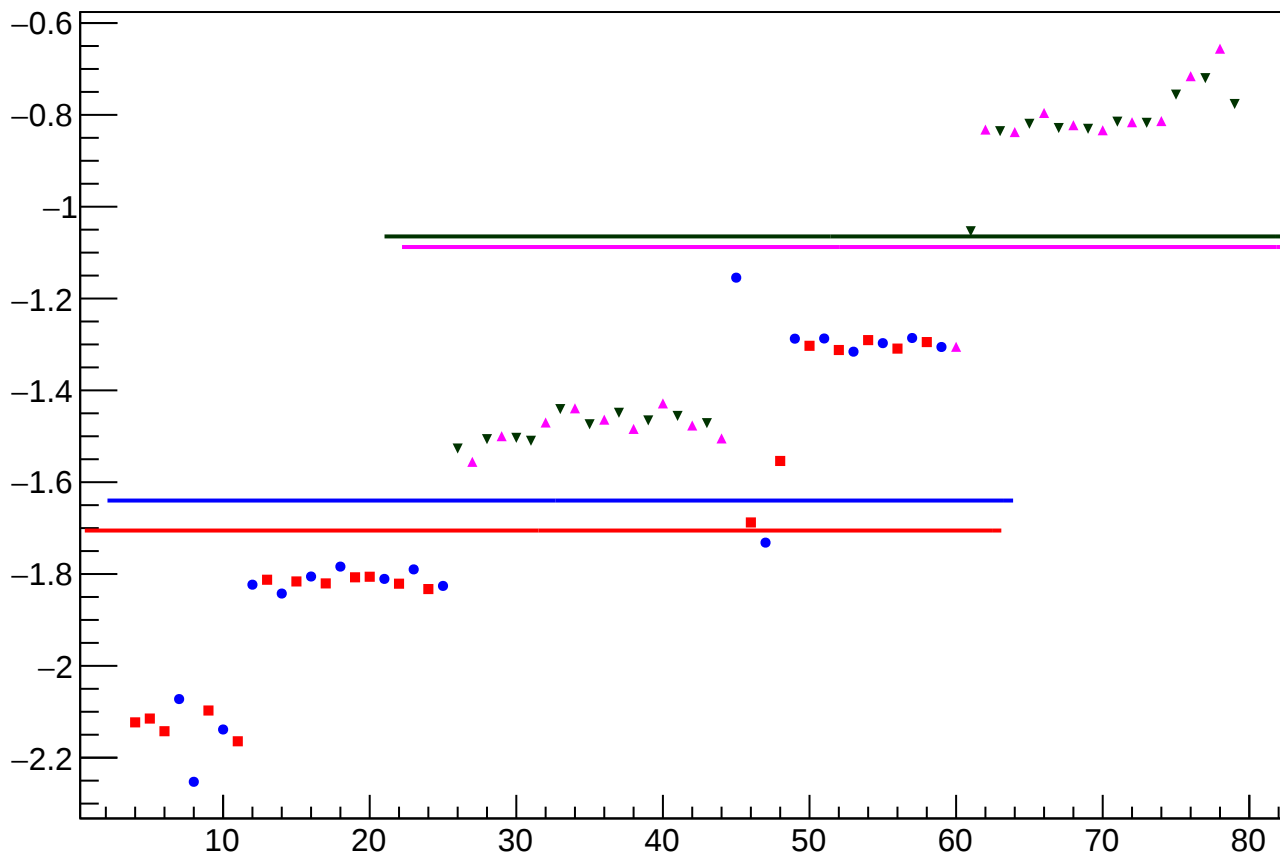
0.011 $\pm$ 0.000 χ^2 /NDF: 578461.7/37

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 107336.5/18

0.010 $\pm$ 0.000 χ^2 /NDF: 530681.8/37

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 31535.4/18

yield_bpm0l06Y_mean vs slug



Right In: -1.640+/-0.000 χ^2/NDF : 63862011114.5/17

Left Out: -1.065+/-0.000 χ^2/NDF : 50182807189.0/19

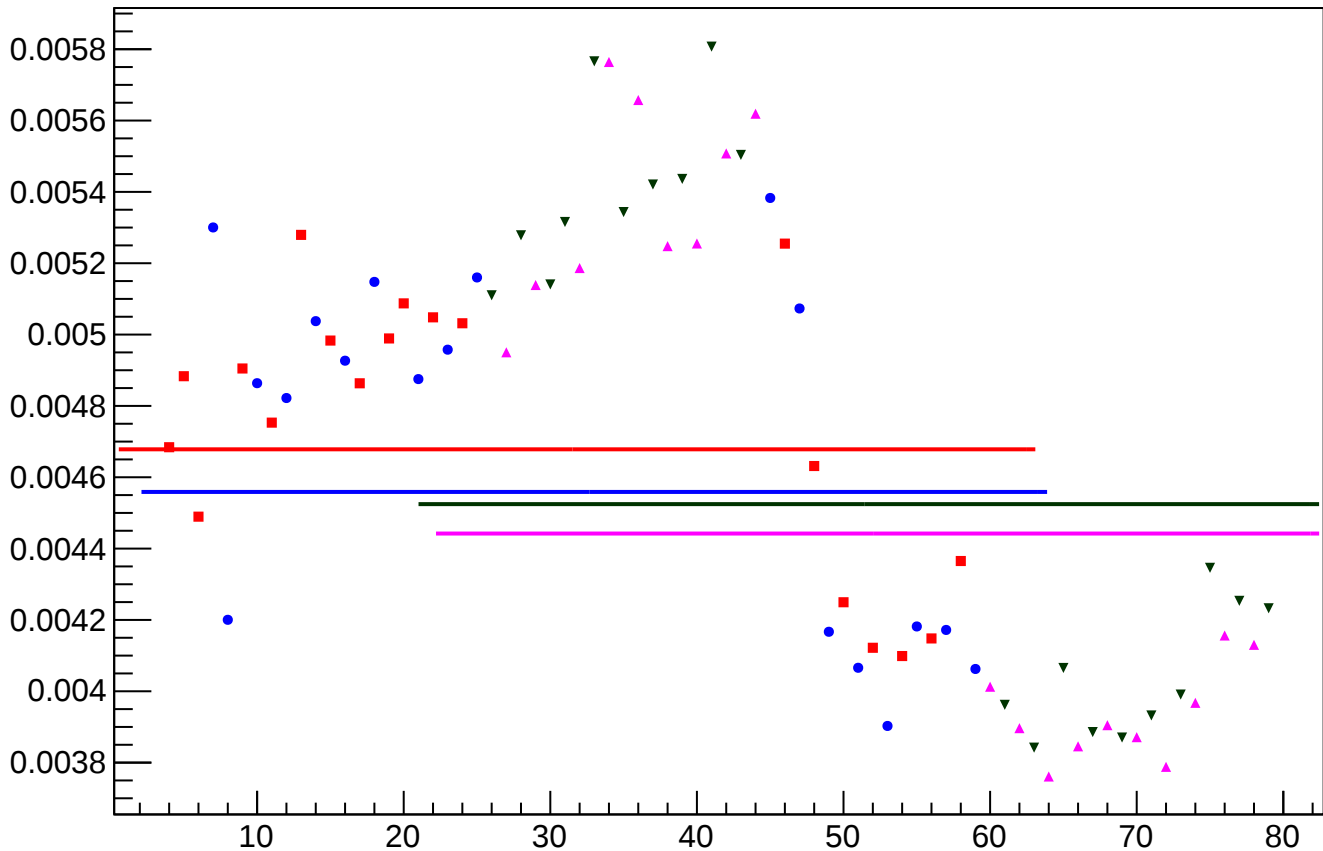
Right Out: -1.705+/-0.000 χ^2/NDF : 45414052250.2/18

Left In: -1.088+/-0.000 χ^2/NDF : 59164410706.9/18

-1.364+/-0.000 χ^2/NDF : 196959380240.1/37

-1.370+/-0.000 χ^2/NDF : 195193624666.0/37

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 : 456533.8/19

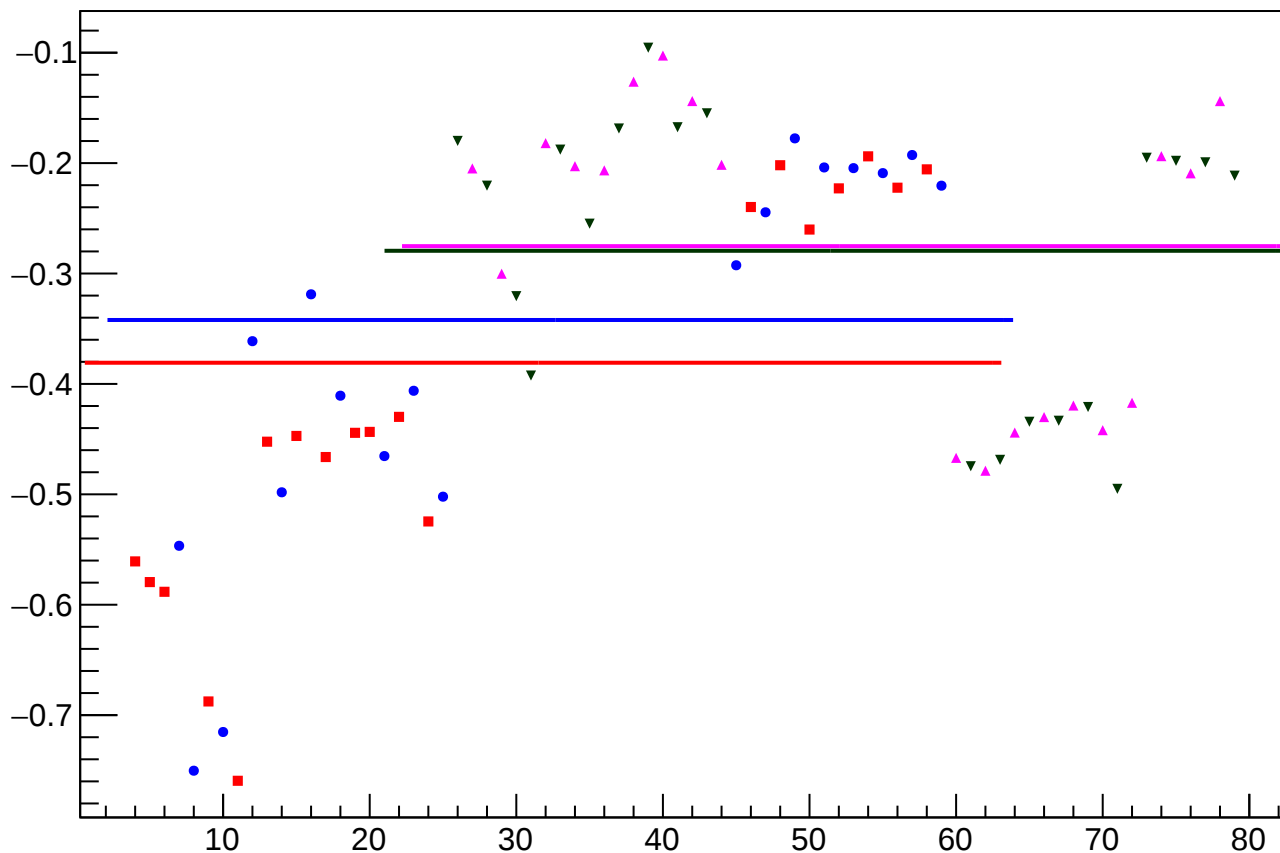
Right Out: 0.005+/-0.000 χ^2/NDF : 136426.0/18

Left In: 0.004+/-0.000 χ^2/NDF : 492217.5/18

0.005+/-0.000 χ^2/NDF : 685713.0/37

0.005+/-0.000 χ^2/NDF : 655138.2/37

yield_bpm0l07X_mean vs slug



Right In: -0.342+/-0.000 χ^2/NDF : 1669772673.5/17

Left Out: -0.279+/-0.000 χ^2/NDF : 766065995.2/19

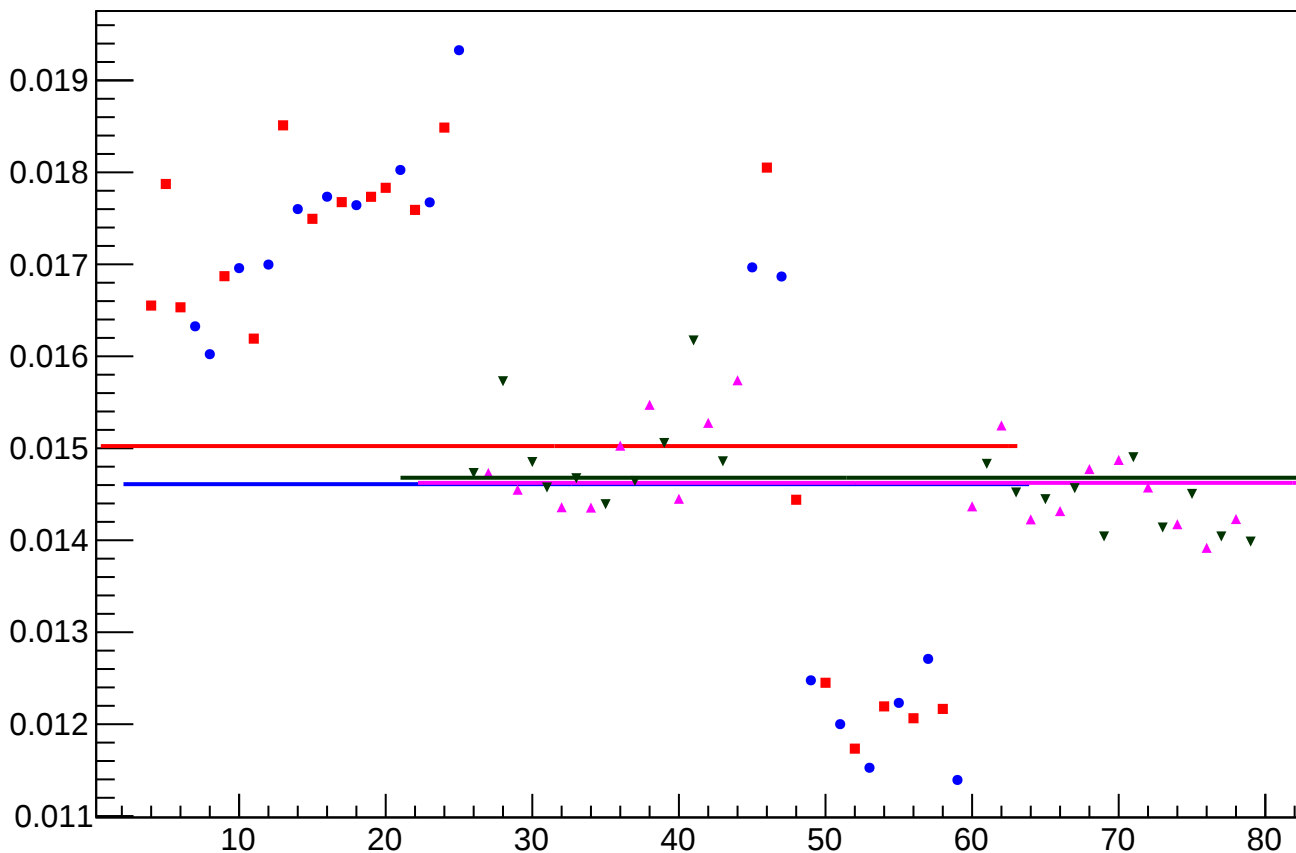
Right Out: -0.381+/-0.000 χ^2/NDF : 1387002500.9/18

Left In: -0.275+/-0.000 χ^2/NDF : 784177901.2/18

-0.311+/-0.000 χ^2/NDF : 2531974795.7/37

-0.323+/-0.000 χ^2/NDF : 2422952442.1/37

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 : 26782.2/19

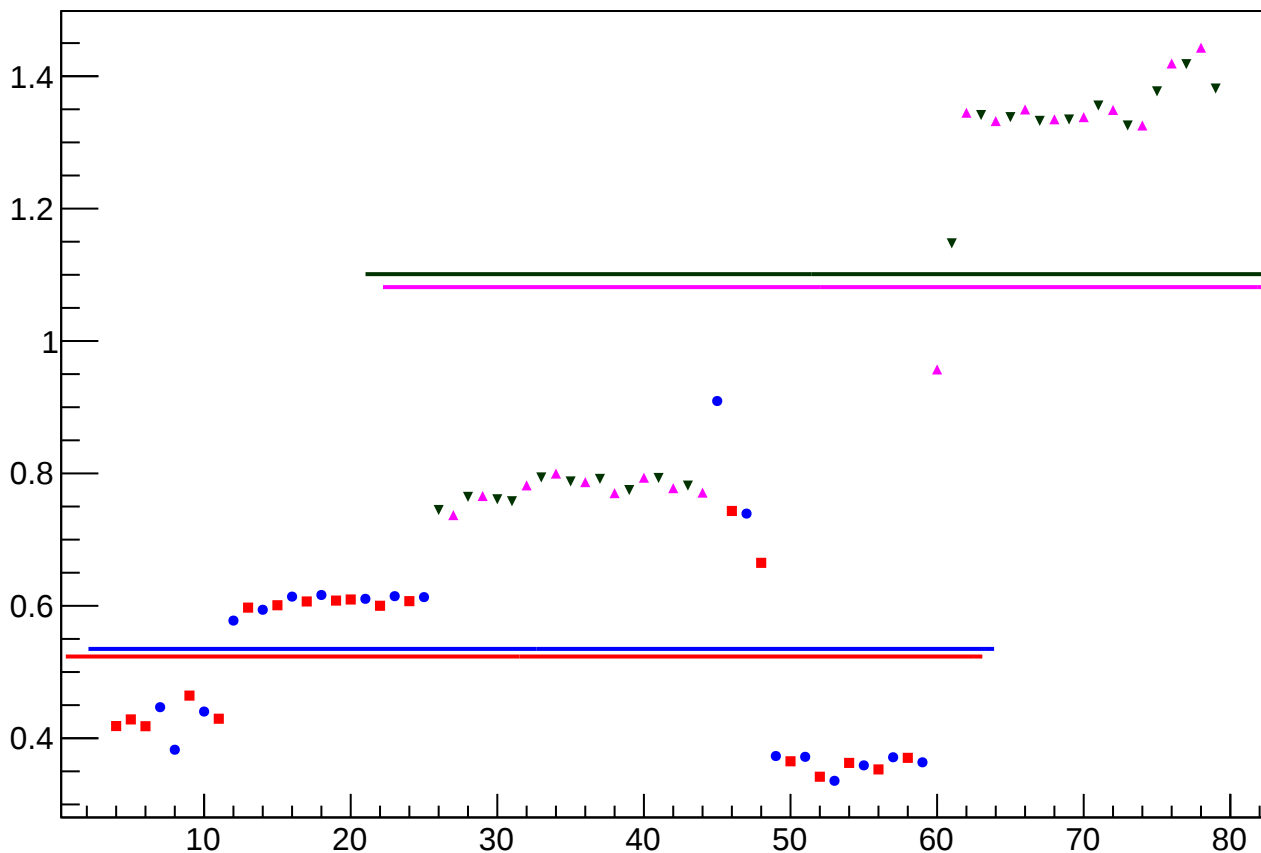
Right Out: 0.015+/-0.000 χ^2/NDF : 573783.3/18

Left In: 0.015+/-0.000 χ^2/NDF : 20294.1/18

0.015+/-0.000 χ^2/NDF : 738947.6/37

0.015+/-0.000 χ^2/NDF : 601301.7/37

yield_bpm0l07Y_mean vs slug



Right In: 0.535+/-0.000 χ^2/NDF : 21231144094.8/17

Left Out: 1.101+/-0.000 χ^2/NDF : 91526374429.9/19

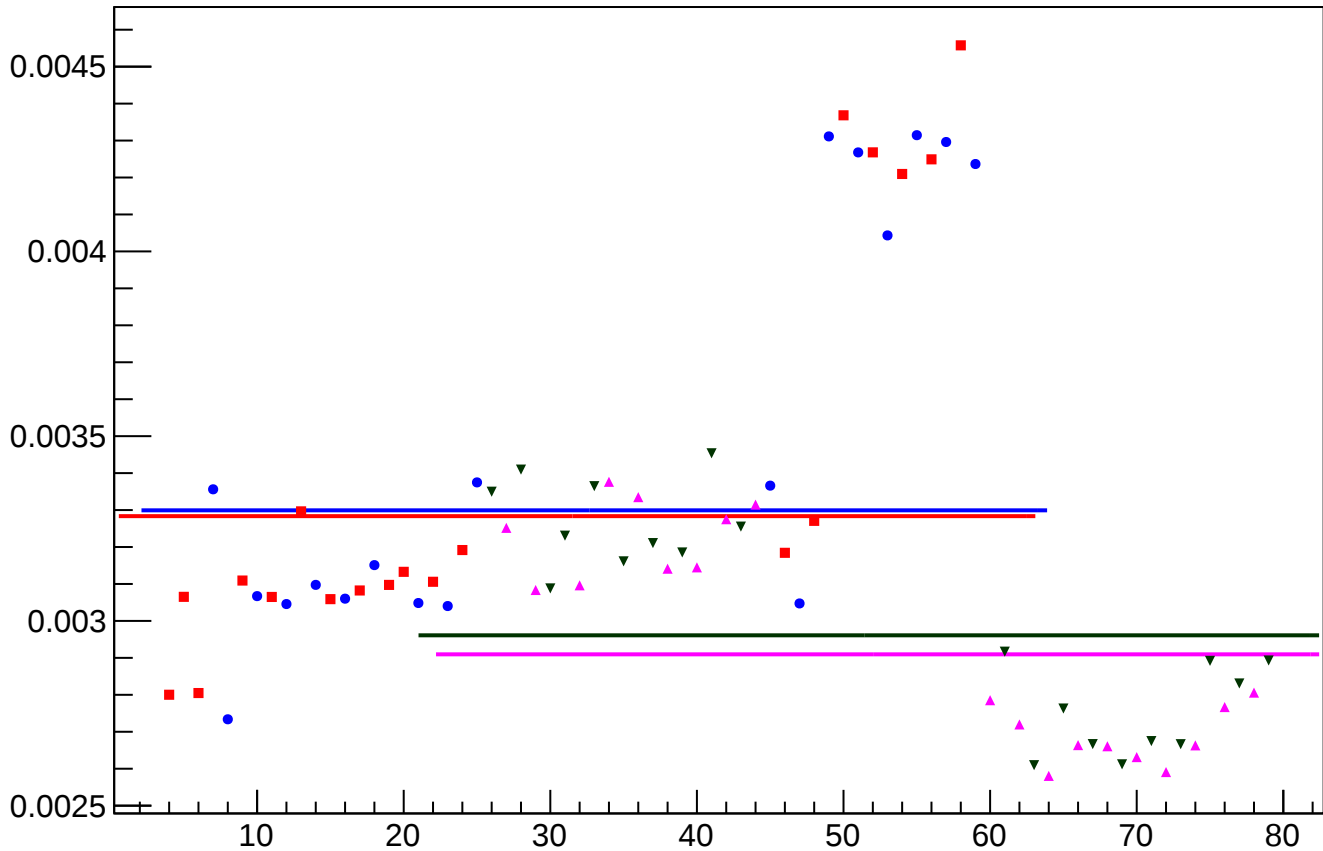
0.839+/-0.000 χ^2/NDF : 282650119169.9/37

Right Out: 0.523+/-0.000 χ^2/NDF : 11523934099.1/18

0.850+/-0.000 χ^2/NDF : 272696311004.5/37

Left In: 1.081+/-0.000 χ^2/NDF : 101512954401.9/18

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 :186119.6/19

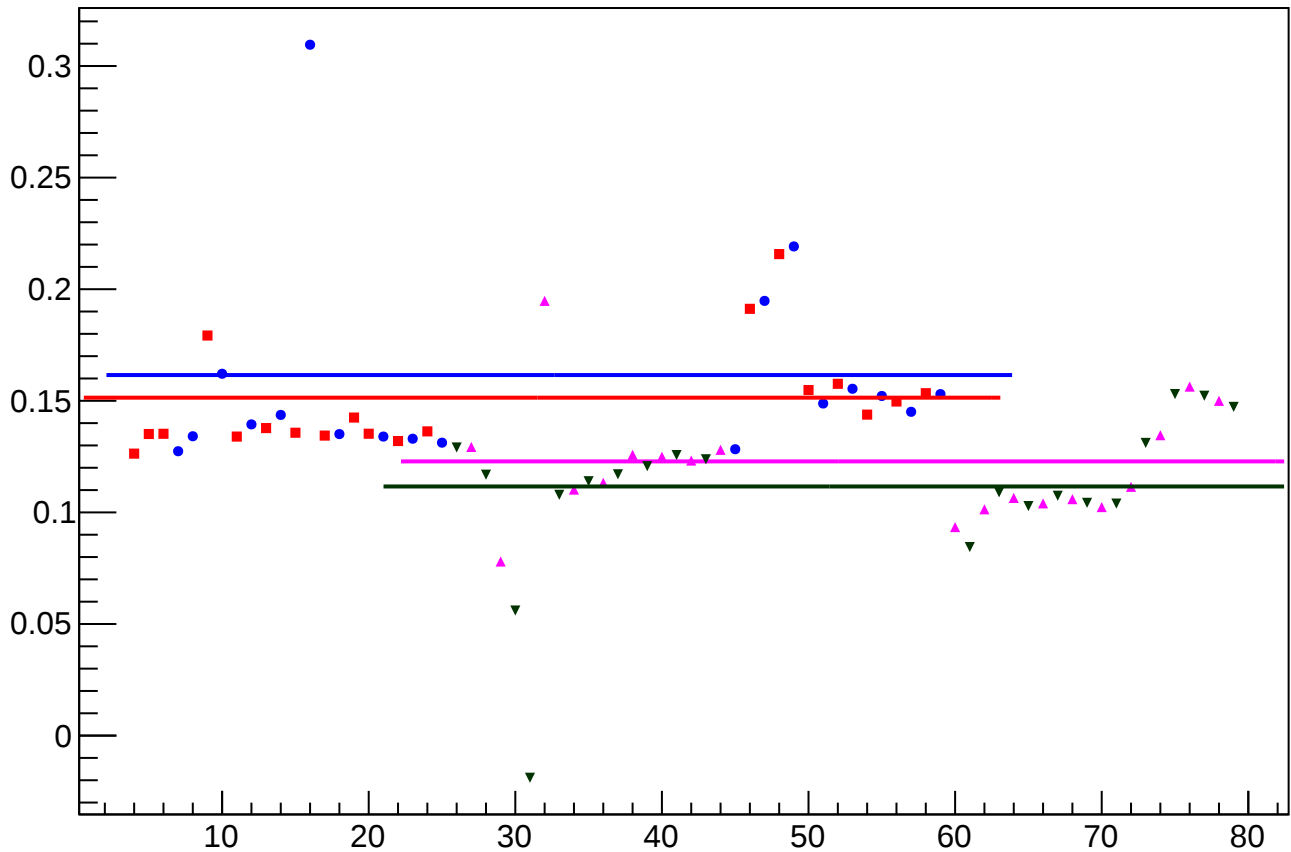
Right Out: 0.003+/-0.000 χ^2/NDF : 382277.8/18

Left In: 0.003+/-0.000 χ^2/NDF :182896.5/18

0.003+/-0.000 χ^2/NDF : 805011.8/37

0.003+/-0.000 χ^2/NDF : 708624.8/37

yield_bpm0l08X_mean vs slug



Right In: 0.162 ± 0.000 χ^2/NDF : 94764439.1/17

Left Out: 0.112 ± 0.000 χ^2/NDF : 61013434.1/19

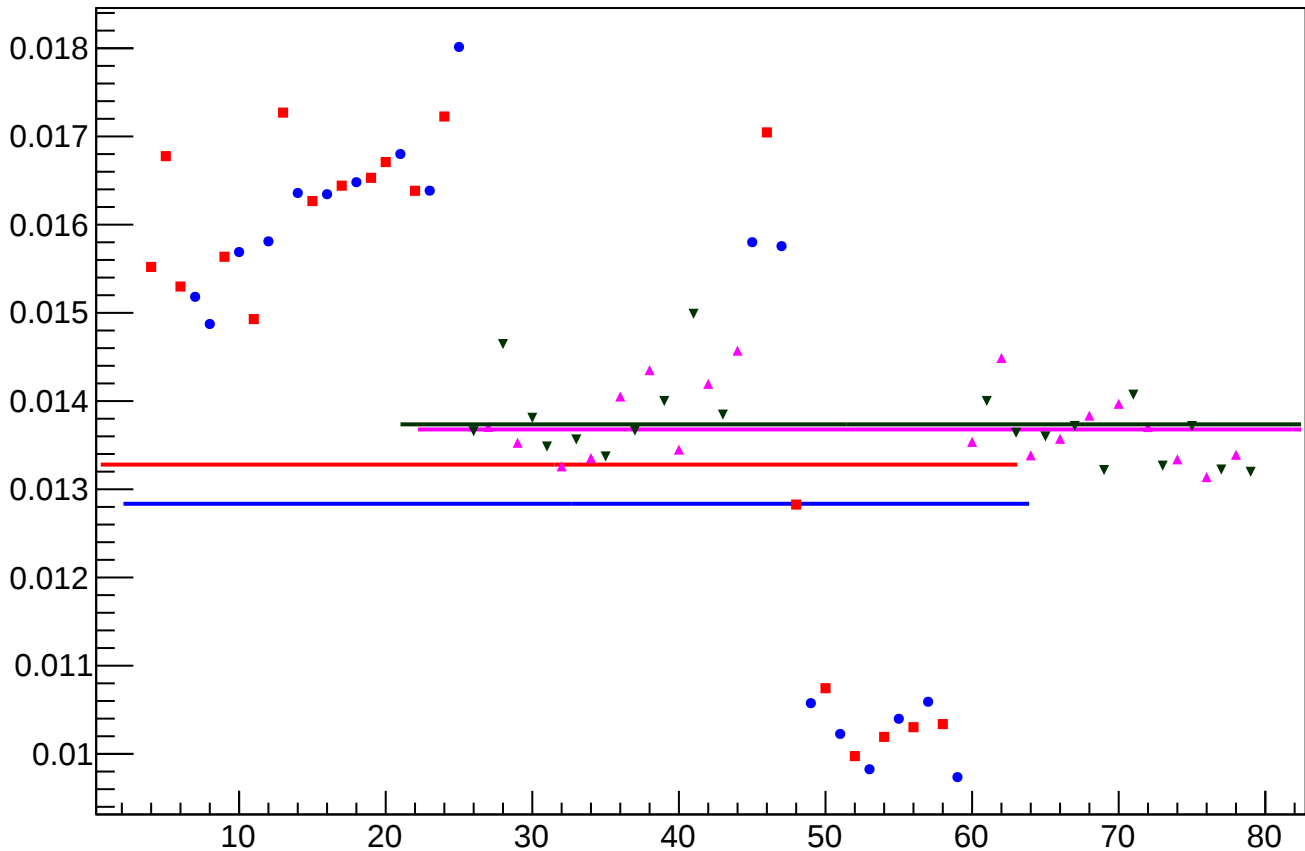
Right Out: 0.151 ± 0.000 χ^2/NDF : 22463584.0/18

Left In: 0.123 ± 0.000 χ^2/NDF : 49412486.2/18

0.138 ± 0.000 χ^2/NDF : 228995958.3/37

0.136 ± 0.000 χ^2/NDF : 93954605.4/37

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 : 22442.4/19

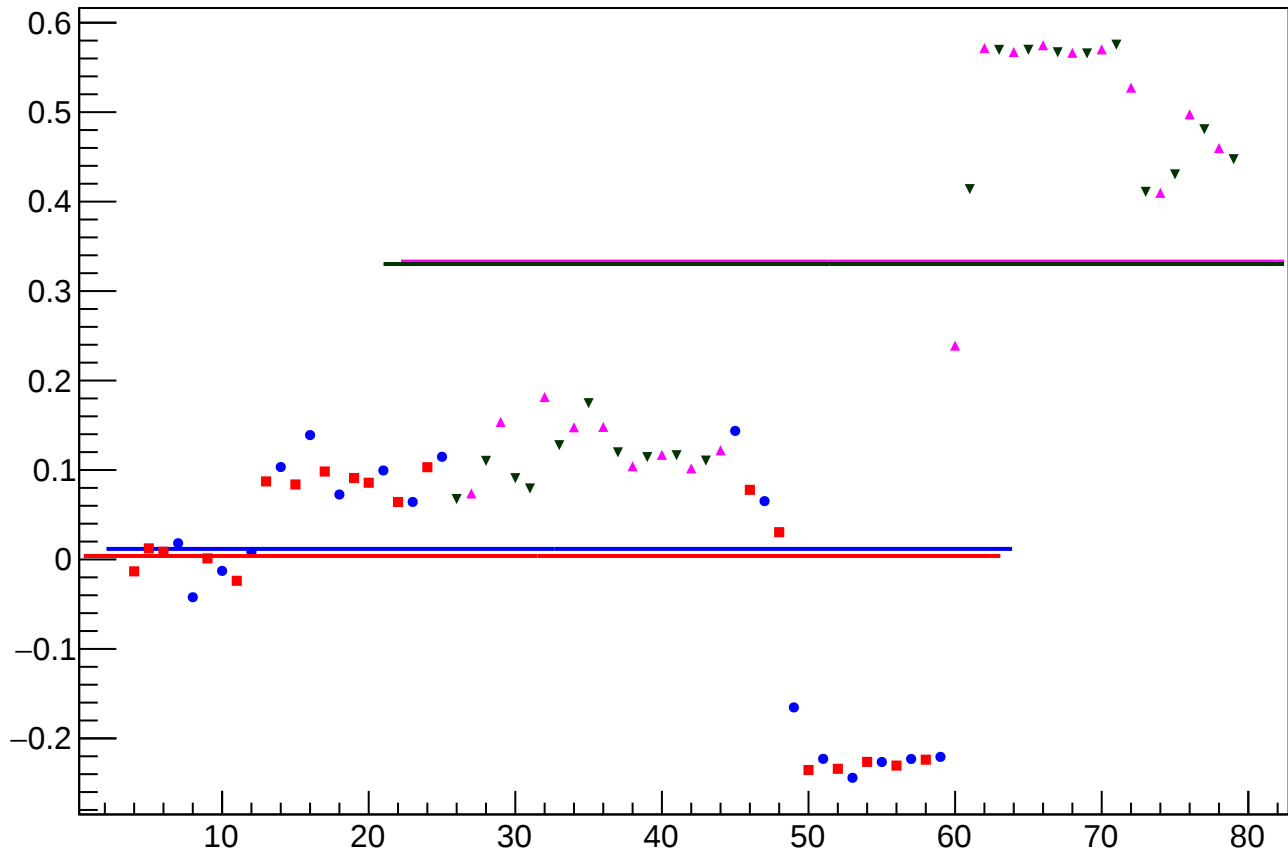
Right Out: 0.013+/-0.000 χ^2/NDF : 890007.3/18

Left In: 0.014+/-0.000 χ^2/NDF : 18183.8/18

0.013+/-0.000 χ^2/NDF : 1158319.4/37

0.013+/-0.000 χ^2/NDF : 916786.8/37

yield_bpm0l08Y_mean vs slug



Right In: 0.012+/-0.000 χ^2/NDF : 12179192870.2/17

Left Out: 0.330+/-0.000 χ^2/NDF : 44960365779.3/19

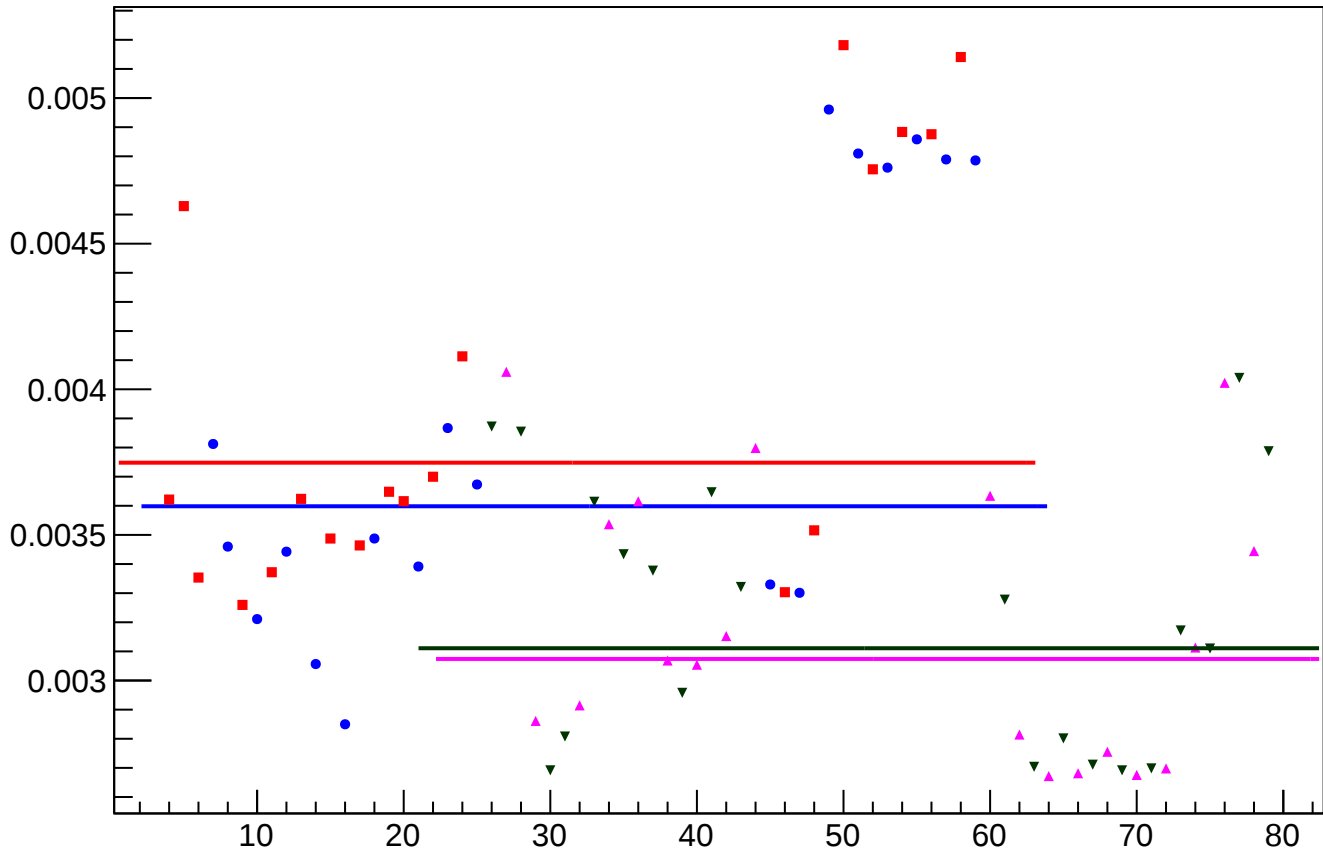
Right Out: 0.004+/-0.000 χ^2/NDF : 7924148421.7/18

Left In: 0.333+/-0.000 χ^2/NDF : 44522827119.6/18

0.189+/-0.000 χ^2/NDF : 102637995798.1/37

0.208+/-0.000 χ^2/NDF : 96452454303.9/37

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 : 372933.1/19

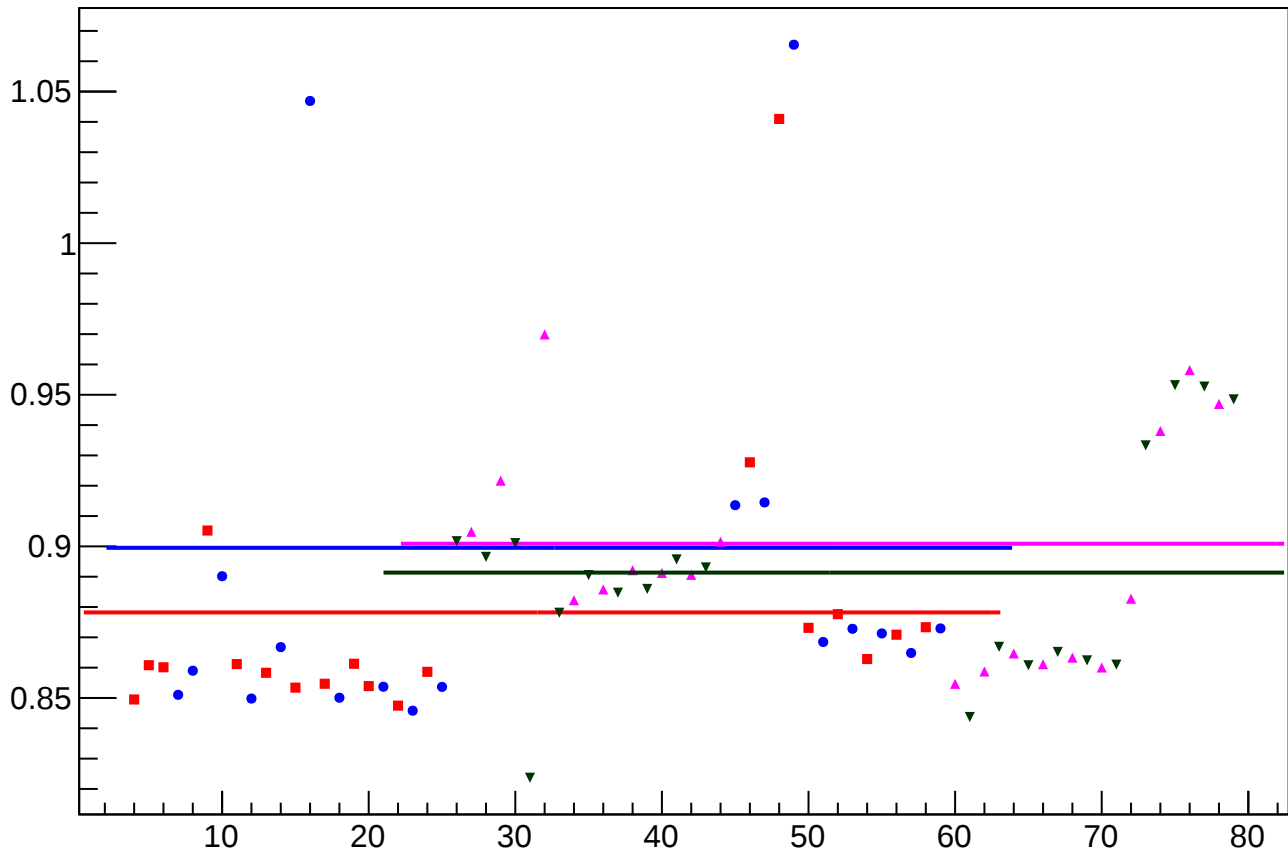
0.003 $\pm$ 0.000 χ^2/NDF : 1259186.9/37

Right Out: 0.004 $\pm$ 0.000 χ^2/NDF : 427283.7/18

0.003 $\pm$ 0.000 χ^2/NDF : 1183087.6/37

Left In: 0.003 $\pm$ 0.000 χ^2/NDF : 386594.6/18

yield_bpm0l09X_mean vs slug



Right In: 0.900 ± 0.000 χ^2/NDF : 324904340.4/17

Left Out: 0.891 ± 0.000 χ^2/NDF : 62296918.3/19

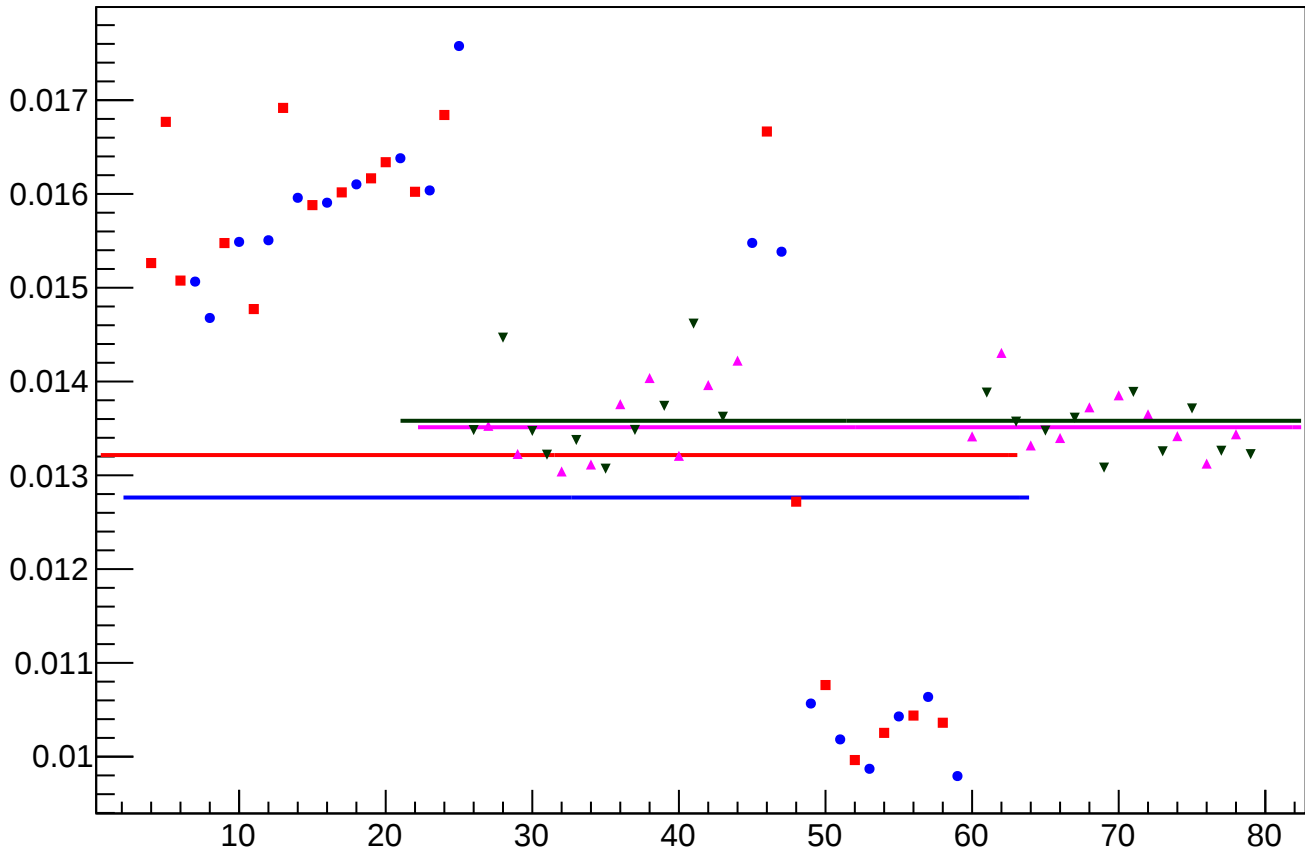
Right Out: 0.878 ± 0.000 χ^2/NDF : 92356263.0/18

Left In: 0.901 ± 0.000 χ^2/NDF : 76536607.5/18

0.896 ± 0.000 χ^2/NDF : 389199776.9/37

0.890 ± 0.000 χ^2/NDF : 183026237.7/37

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 : 18275.4/19

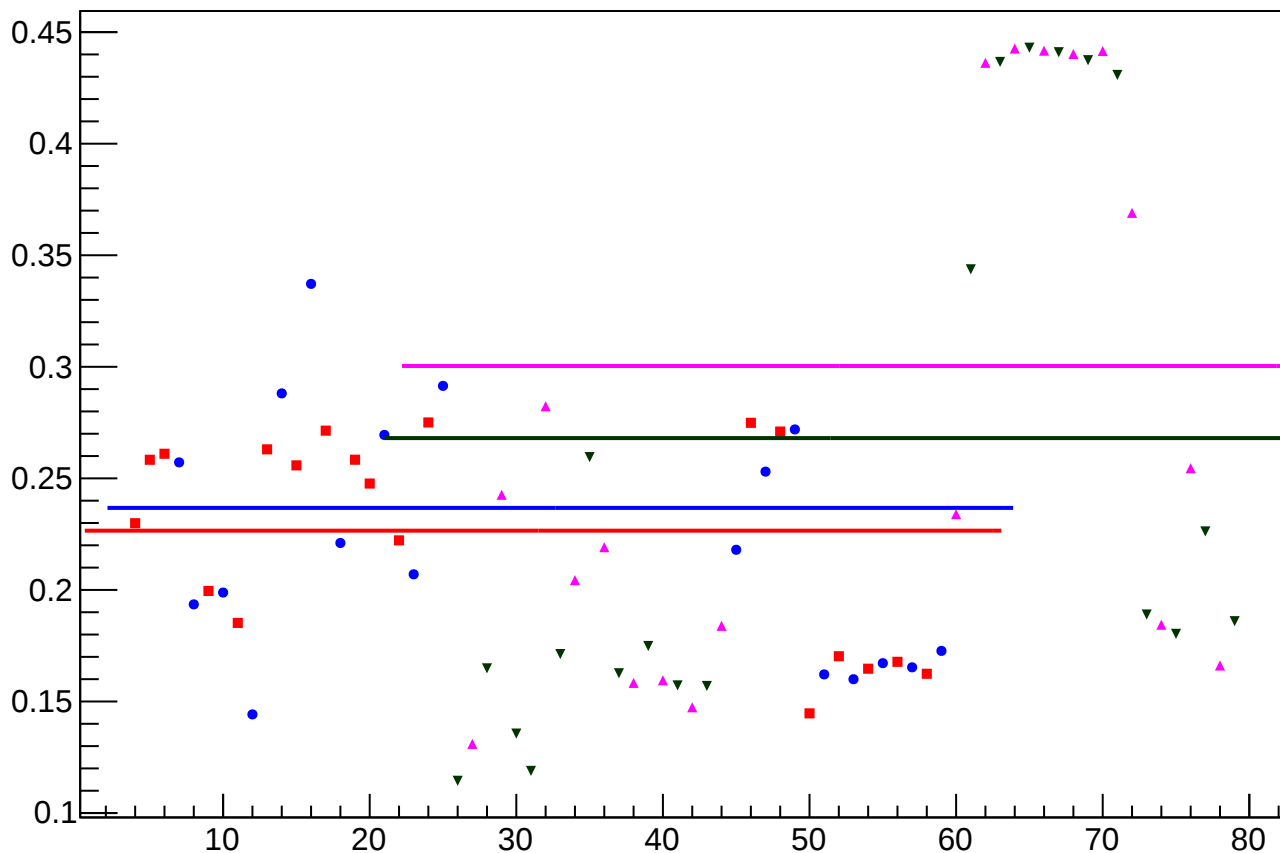
Right Out: 0.013+/-0.000 χ^2/NDF : 798846.8/18

Left In: 0.014+/-0.000 χ^2/NDF : 15147.5/18

0.013+/-0.000 χ^2/NDF : 1038471.7/37

0.013+/-0.000 χ^2/NDF : 818843.1/37

yield_bpm0l09Y_mean vs slug



Right In: 0.237 $\pm$ 0.000 χ^2/NDF : 2411617824.9/17

Left Out: 0.268 $\pm$ 0.000 χ^2/NDF : 15757379538.7/19

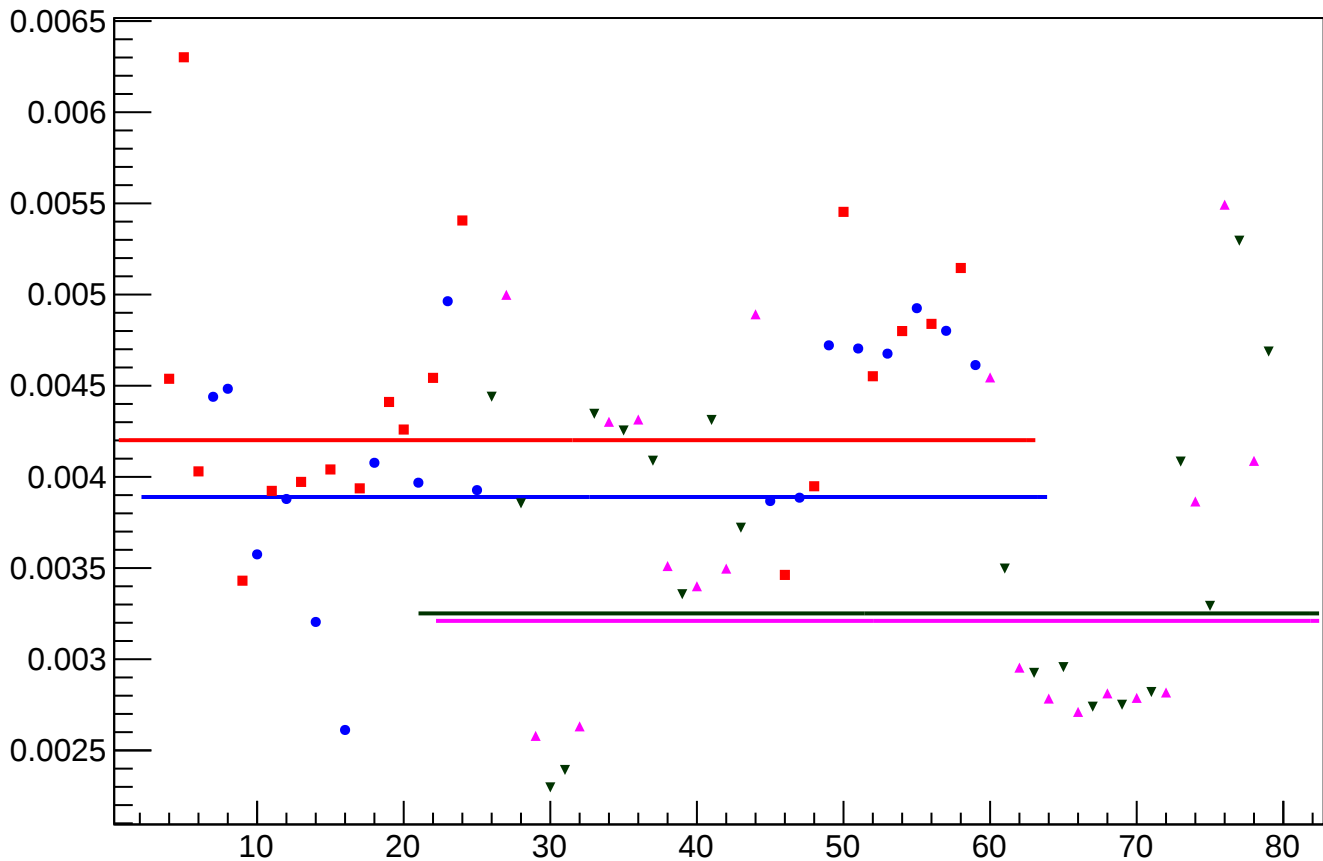
Right Out: 0.227 $\pm$ 0.000 χ^2/NDF : 943883207.4/18

Left In: 0.300 $\pm$ 0.000 χ^2/NDF : 12051100399.7/18

0.254 $\pm$ 0.000 χ^2/NDF : 18542231705.2/37

0.274 $\pm$ 0.000 χ^2/NDF : 14780717452.6/37

yield_bpm0l09Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 695729.3/17

Left Out: 0.003+/-0.000 χ^2/NDF :986684.7/19

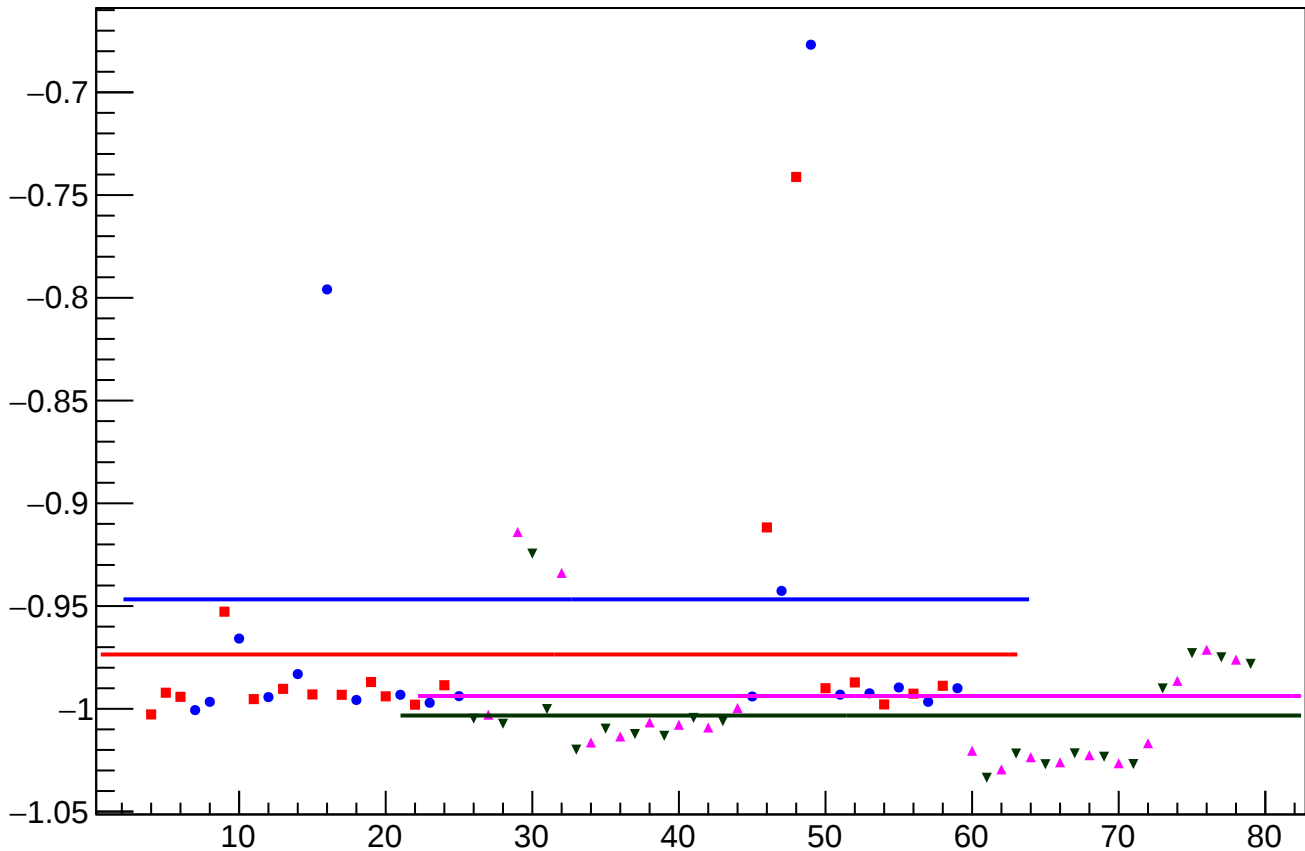
Right Out: 0.004+/-0.000 χ^2/NDF : 341340.8/18

Left In: 0.003+/-0.000 χ^2/NDF :1083662.3/18

0.004+/-0.000 χ^2/NDF : 1993349.8/37

0.004+/-0.000 χ^2/NDF : 2069014.9/37

yield_bpm0l10X_mean vs slug



Right In: -0.947 ± 0.000 χ^2/NDF : 662253046.3/17

Left Out: -1.003 ± 0.000 χ^2/NDF : 36578796.3/19

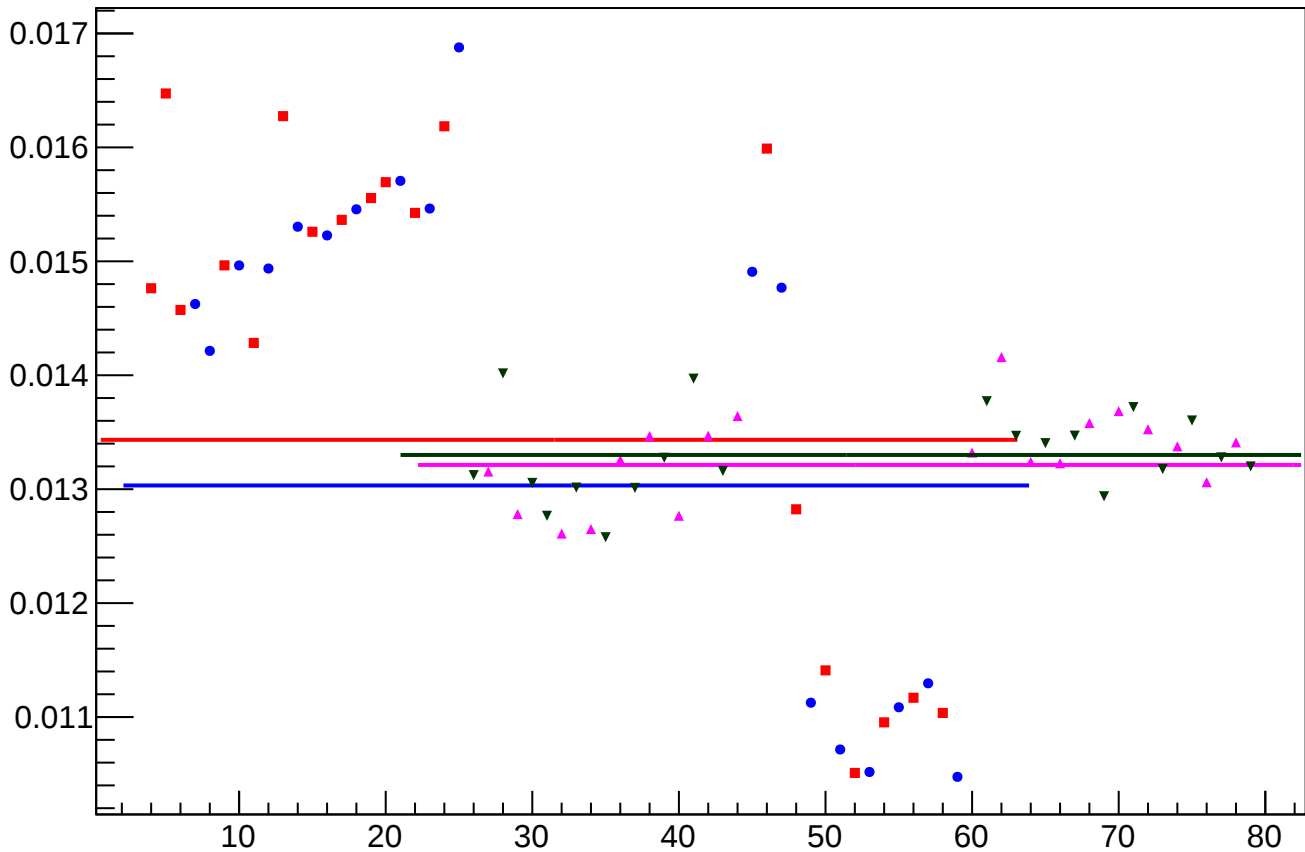
Right Out: -0.974 ± 0.000 χ^2/NDF : 174691792.1/18

Left In: -0.994 ± 0.000 χ^2/NDF : 77401533.6/18

-0.974 ± 0.000 χ^2/NDF : 795314251.6/37

-0.984 ± 0.000 χ^2/NDF : 263450502.7/37

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 : 16462.7/19

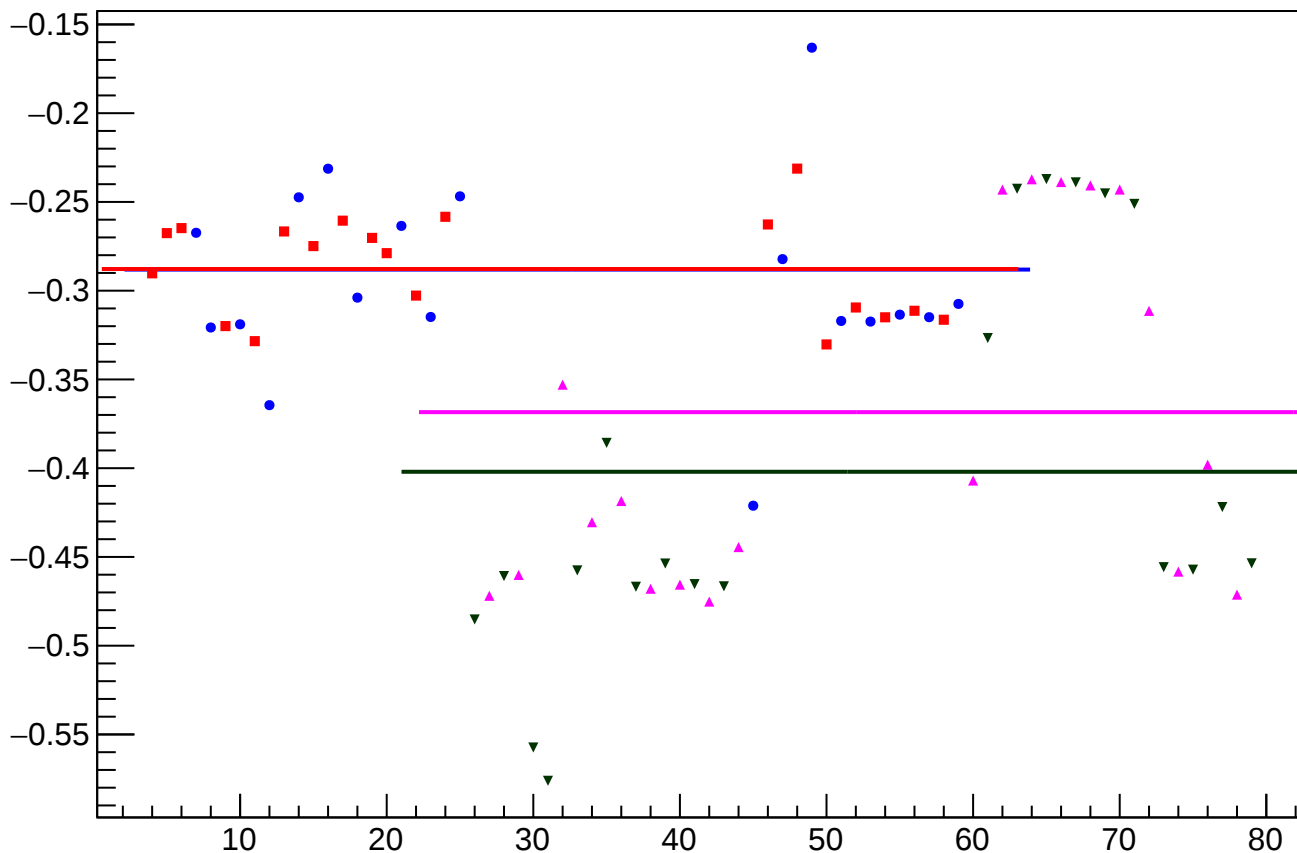
Right Out: 0.013+/-0.000 χ^2/NDF : 479245.1/18

Left In: 0.013+/-0.000 χ^2/NDF : 18027.2/18

0.013+/-0.000 χ^2/NDF : 608628.6/37

0.013+/-0.000 χ^2/NDF : 499977.1/37

yield_bpm0l10Y_mean vs slug



Right In: -0.288+/-0.000 χ^2/NDF : 2601289511.6/17

Left Out: -0.402+/-0.000 χ^2/NDF : 13798861334.8/19

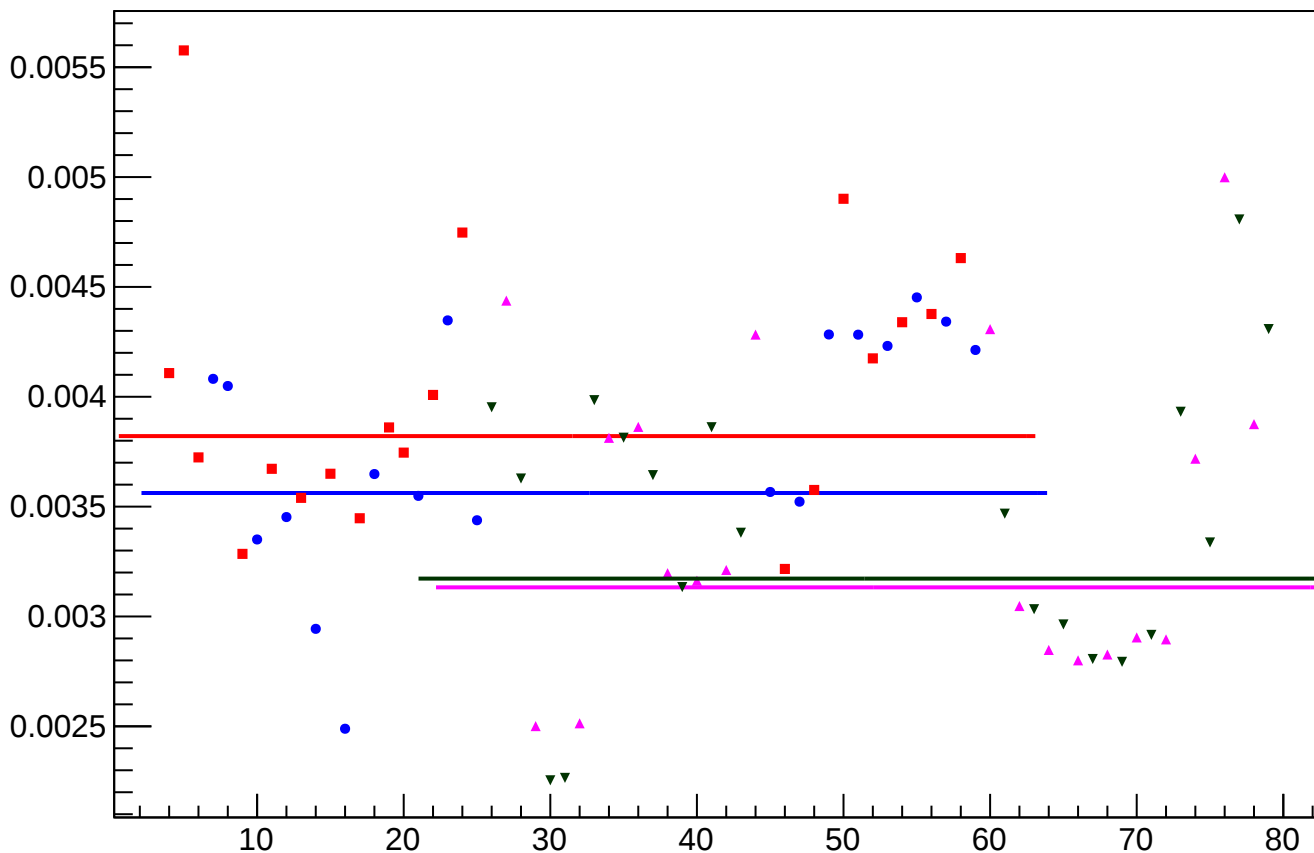
Right Out: -0.288+/-0.000 χ^2/NDF : 515794849.9/18

Left In: -0.368+/-0.000 χ^2/NDF : 9107934024.4/18

-0.349+/-0.000 χ^2/NDF : 22070752161.0/37

-0.337+/-0.000 χ^2/NDF : 12113814296.3/37

yield_bpm0l10Y_rms vs slug



Right In: 0.004 $\pm$ 0.000 χ^2/NDF : 588741.6/17

Left Out: 0.003 $\pm$ 0.000 χ^2/NDF : 735910.3/19

Right Out: 0.004 $\pm$ 0.000 χ^2/NDF : 282191.6/18

Left In: 0.003 $\pm$ 0.000 χ^2/NDF : 798812.3/18

0.003 $\pm$ 0.000 χ^2/NDF : 1457326.5/37

0.003 $\pm$ 0.000 χ^2/NDF : 1444105.7/37