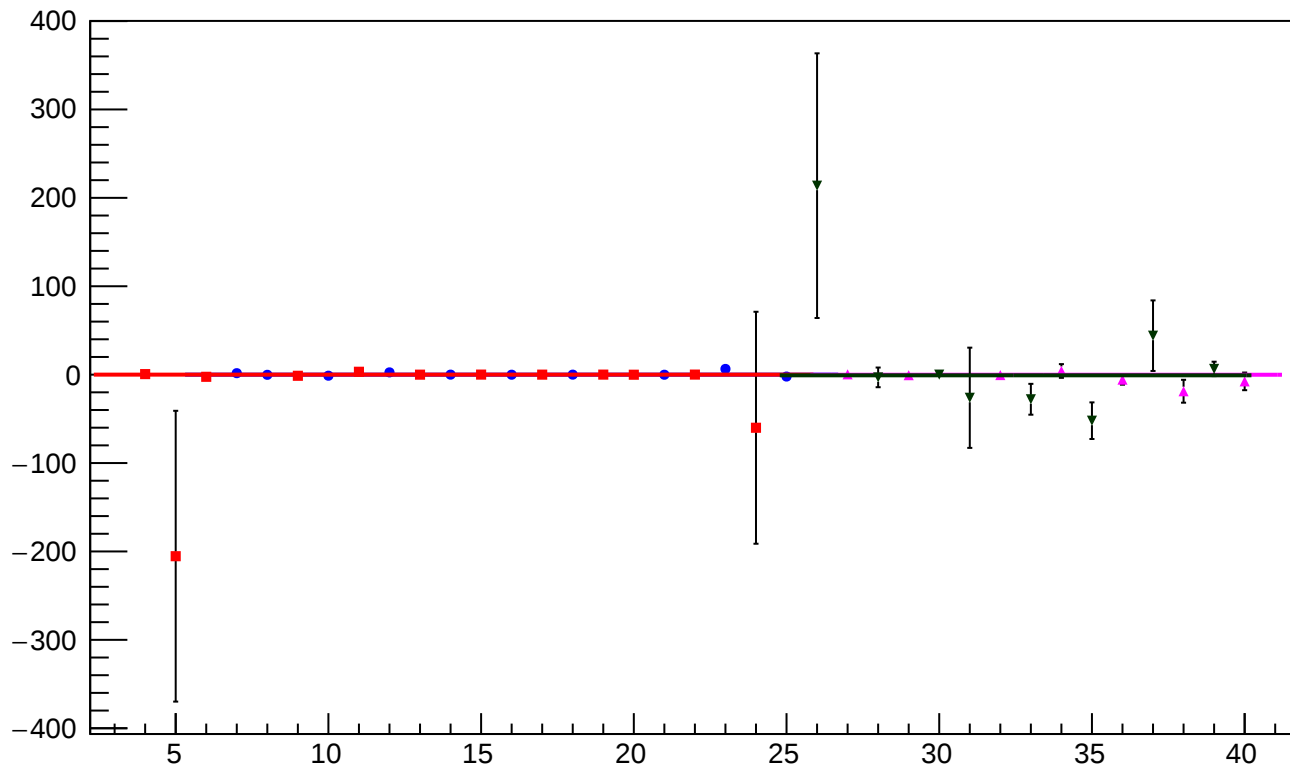


diff_cav4bX_mean vs slug



Right In: -0.014+/-0.014

χ^2 /NDF: 18.0/9

Left Out: -0.749+/-2.661

χ^2 /NDF:13.0/7

Right Out: 0.017+/-0.016

χ^2 /NDF: 19.3/11

Left In: -0.119+/-0.170

χ^2 /NDF:11.9/6

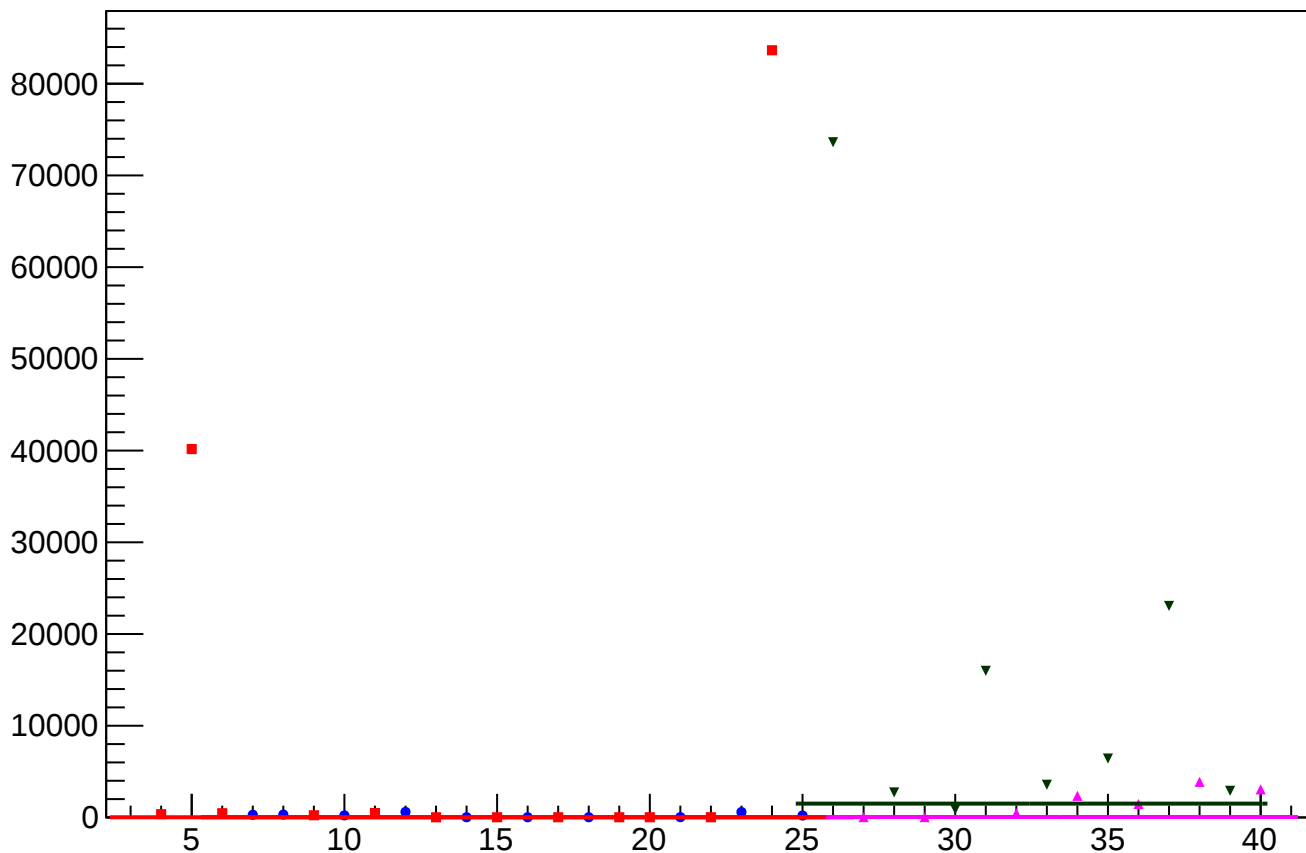
-0.014+/-0.014

χ^2 /NDF: 31.0/17

0.016+/-0.016

χ^2 /NDF: 31.9/18

diff_cav4bX_rms vs slug



Right In: 22.399+/-0.010 χ^2 /NDF: 770487.0/9

Left Out: 1508.111+/-1.881 χ^2 /NDF:1490571.7/7

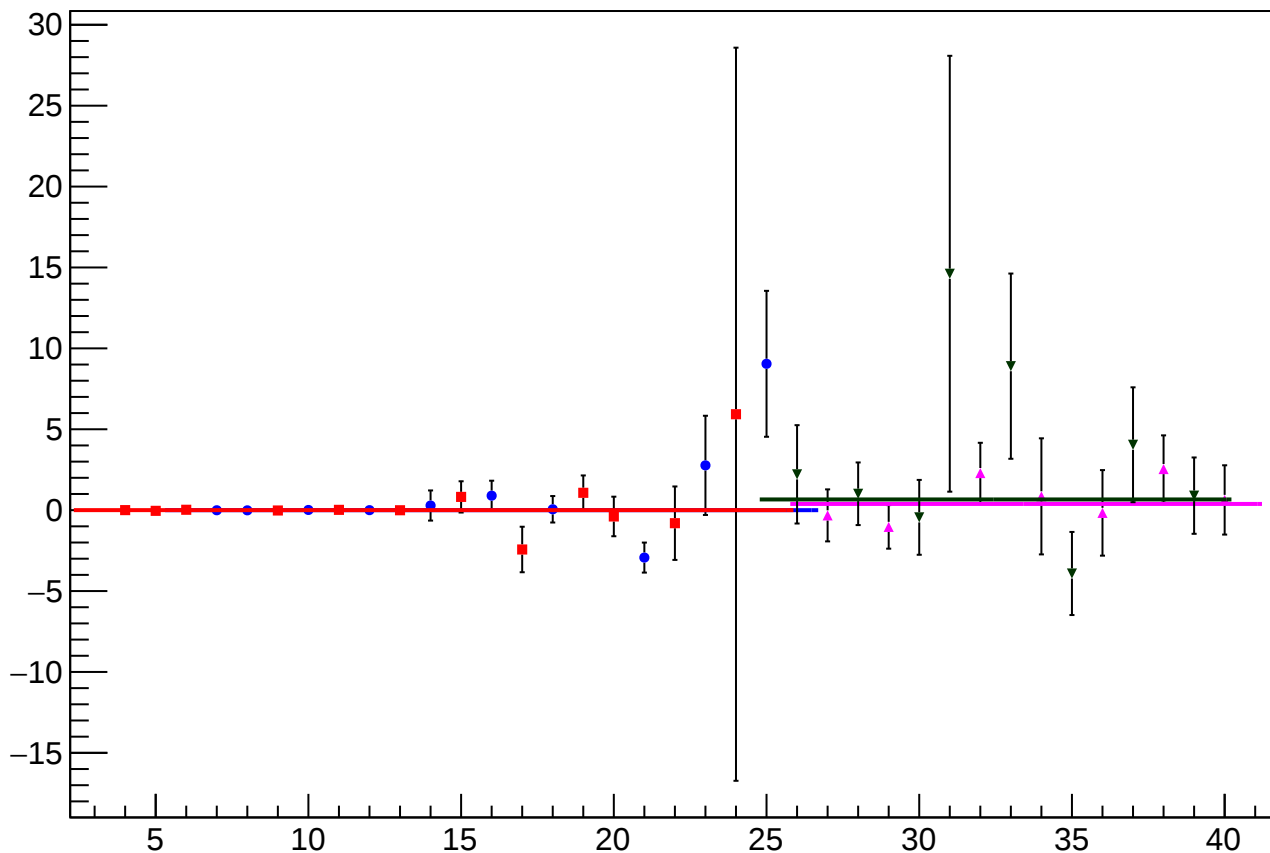
Right Out: 22.575+/-0.011 χ^2 /NDF: 1409994.7/11

Left In: 49.856+/-0.120 χ^2 /NDF:903119.8/6

22.442+/-0.010 χ^2 /NDF: 2884637.3/17

22.820+/-0.011 χ^2 /NDF: 2364359.0/18

diff_cav4bY_mean vs slug



Right In: -0.001 ± 0.006 χ^2/NDF : 18.2/9

Left Out: 0.662 ± 0.996 χ^2/NDF : 7.8/7

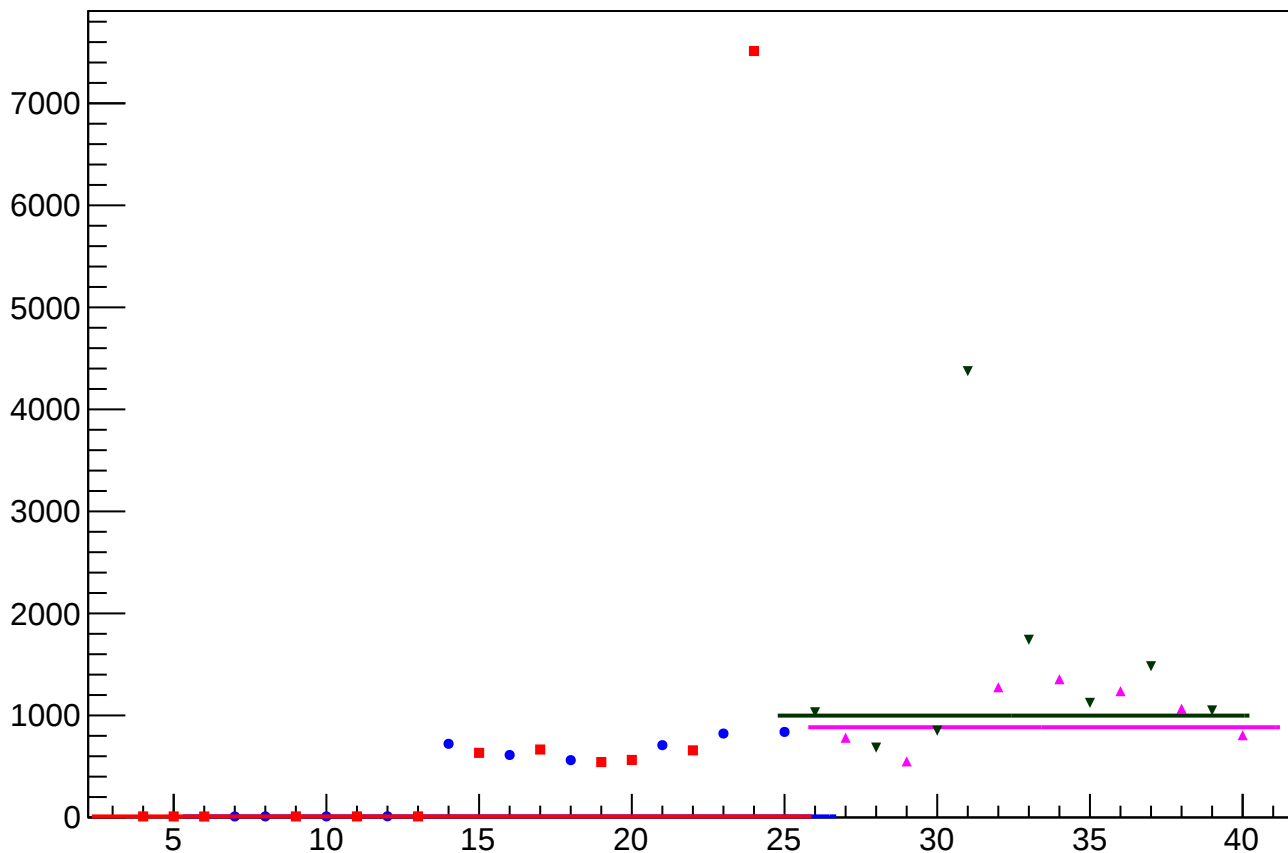
Right Out: 0.002 ± 0.005 χ^2/NDF : 17.0/11

Left In: 0.384 ± 0.727 χ^2/NDF : 3.5/6

-0.001 ± 0.006 χ^2/NDF : 26.4/17

0.002 ± 0.005 χ^2/NDF : 20.7/18

diff_cav4bY_rms vs slug



Right In: 10.490+/-0.005 χ^2/NDF : 4277929.6/9

Left Out: 998.269+/-0.704 χ^2/NDF : 263146.4/7

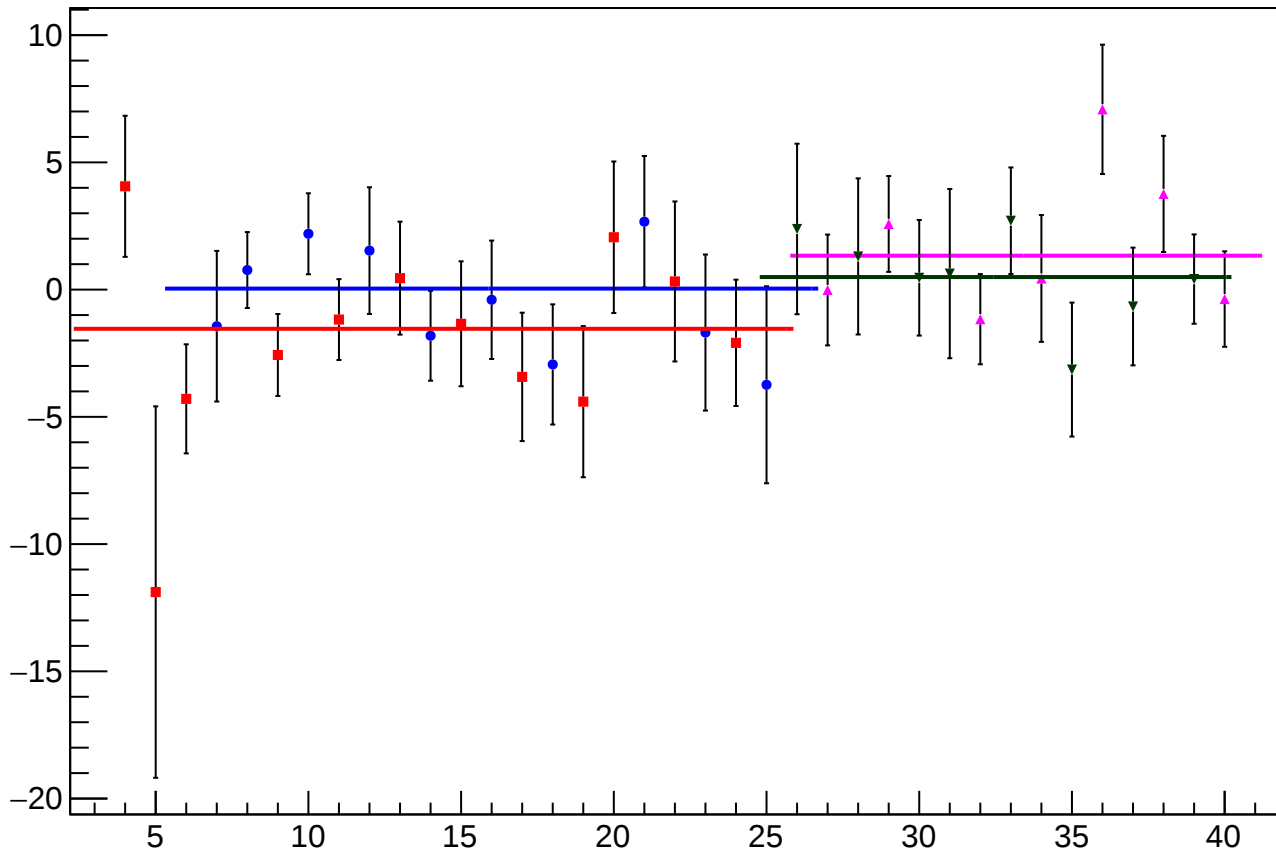
Right Out: 10.074+/-0.004 χ^2/NDF : 2563210.4/11

Left In: 884.374+/-0.514 χ^2/NDF : 307844.9/6

10.532+/-0.005 χ^2/NDF : 6509588.8/17

10.123+/-0.004 χ^2/NDF : 5765817.9/18

diff_cav4cX_mean vs slug



Right In: 0.040 ± 0.686 χ^2/NDF : 7.7/9

Left Out: 0.493 ± 0.856 χ^2/NDF : 3.7/7

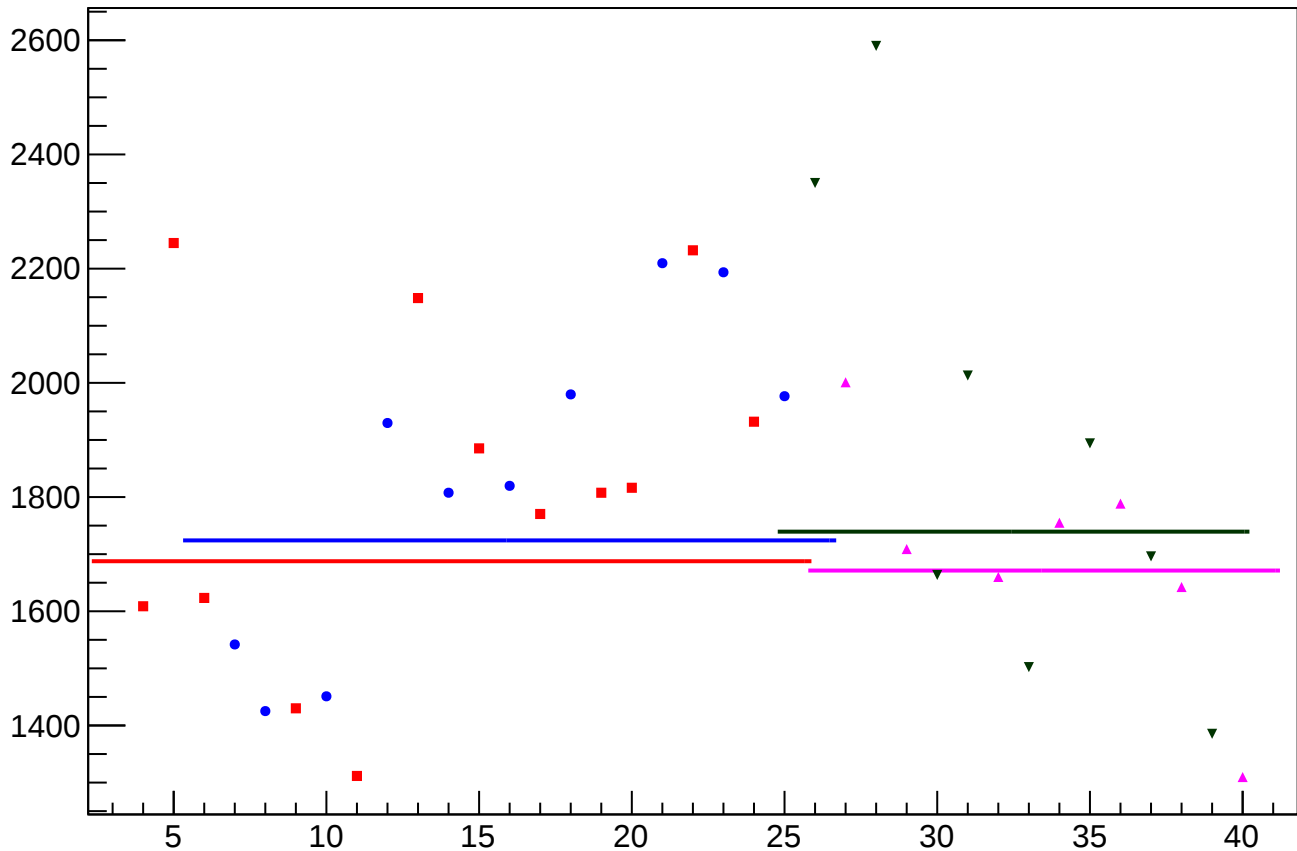
Right Out: -1.539 ± 0.680 χ^2/NDF : 12.4/11

Left In: 1.333 ± 0.790 χ^2/NDF : 10.0/6

0.217 ± 0.535 χ^2/NDF : 11.6/17

-0.317 ± 0.515 χ^2/NDF : 30.0/18

diff_cav4cX_rms vs slug



Right In: 1724.107 $\pm$ 0.485 χ^2 /NDF: 317724.0/9

Left Out: 1739.433 $\pm$ 0.606 χ^2 /NDF: 350610.7/7

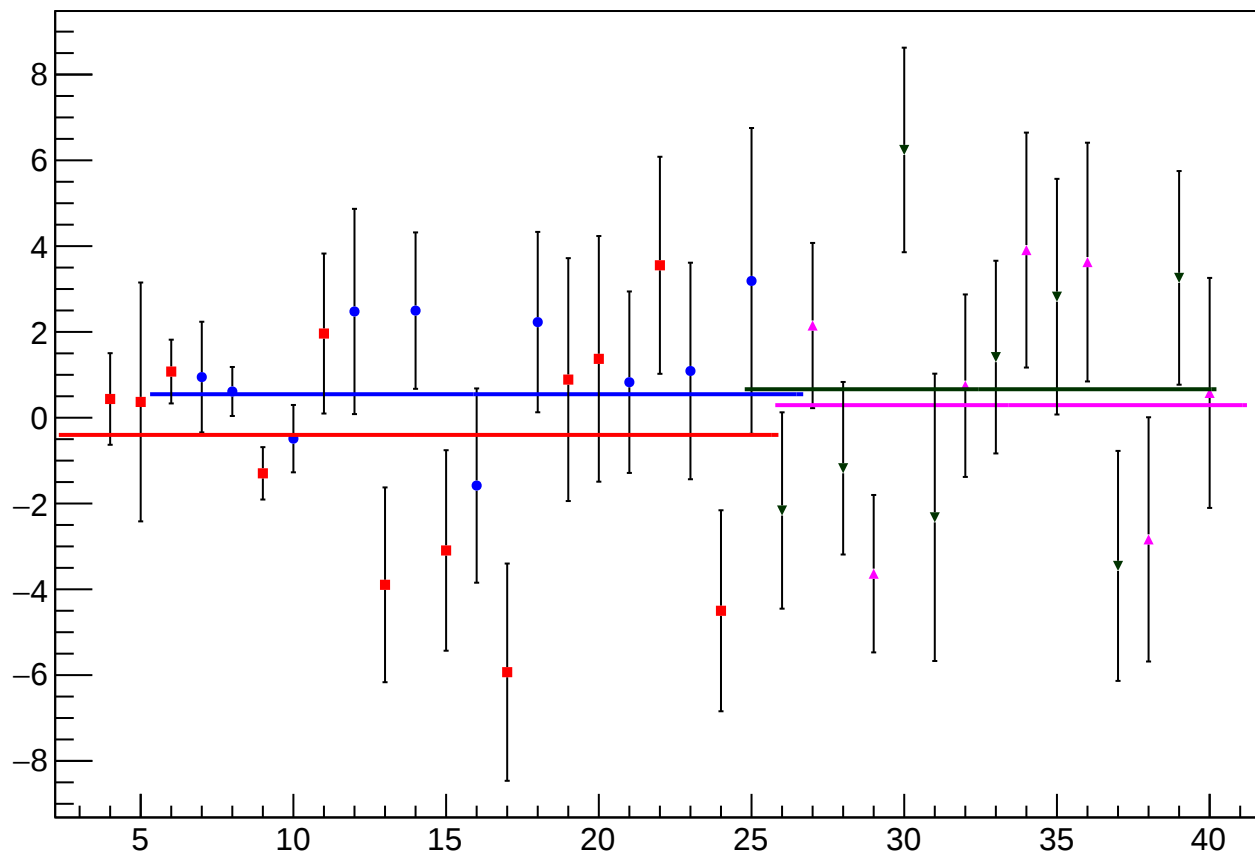
Right Out: 1687.646 $\pm$ 0.481 χ^2 /NDF: 366003.0/11

Left In: 1671.323 $\pm$ 0.558 χ^2 /NDF: 127822.0/6

1730.094 $\pm$ 0.378 χ^2 /NDF: 668725.1/17

1680.700 $\pm$ 0.364 χ^2 /NDF: 494315.7/18

diff_cav4cY_mean vs slug



Right In: 0.548 ± 0.388 $\chi^2/\text{NDF}: 5.8/9$

Left Out: 0.664 ± 0.866 $\chi^2/\text{NDF}: 12.8/7$

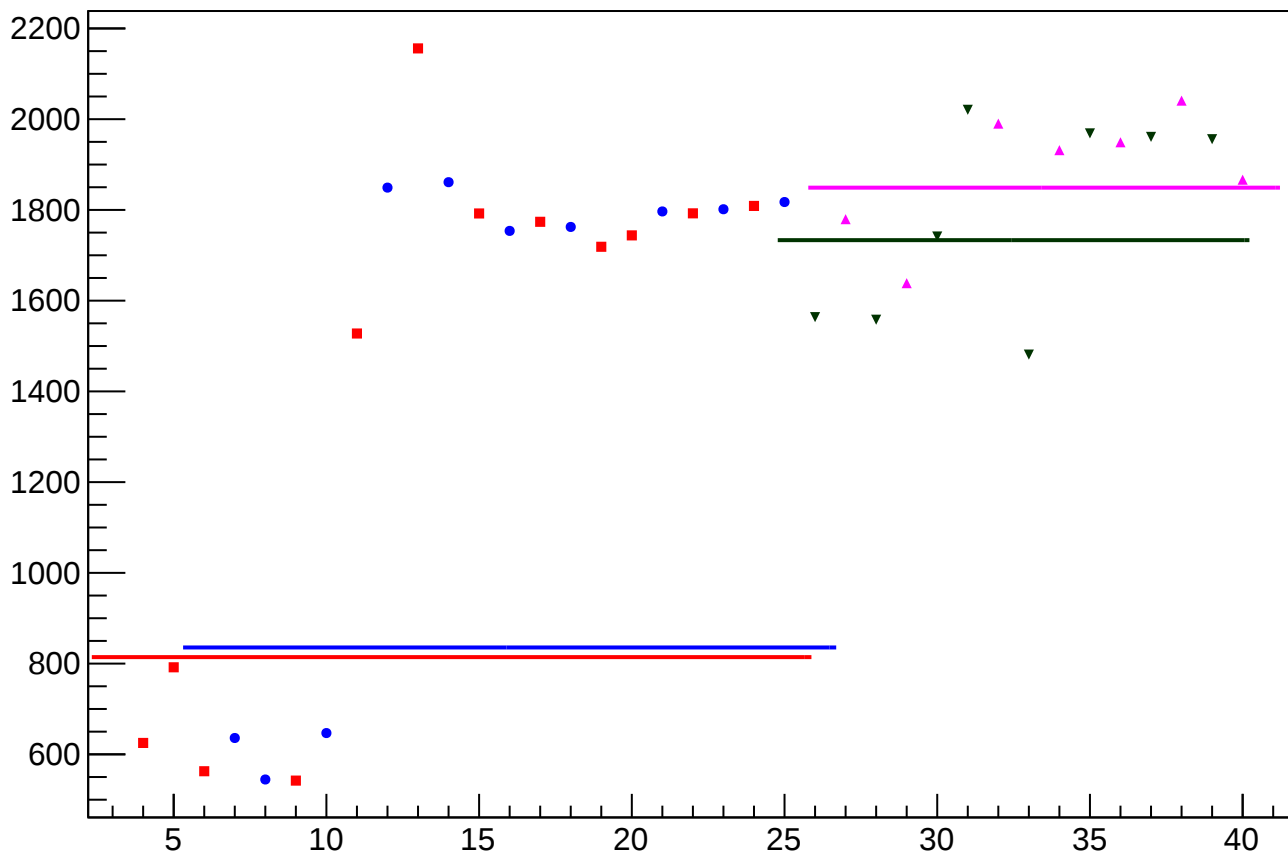
Right Out: -0.401 ± 0.381 $\chi^2/\text{NDF}: 23.0/11$

Left In: 0.293 ± 0.873 $\chi^2/\text{NDF}: 10.0/6$

0.567 ± 0.354 $\chi^2/\text{NDF}: 18.6/17$

-0.290 ± 0.349 $\chi^2/\text{NDF}: 33.5/18$

diff_cav4cY_rms vs slug



Right In: 835.566+/-0.274 χ^2/NDF : 3249765.2/9

Left Out: 1733.373+/-0.612 χ^2/NDF :111253.2/7

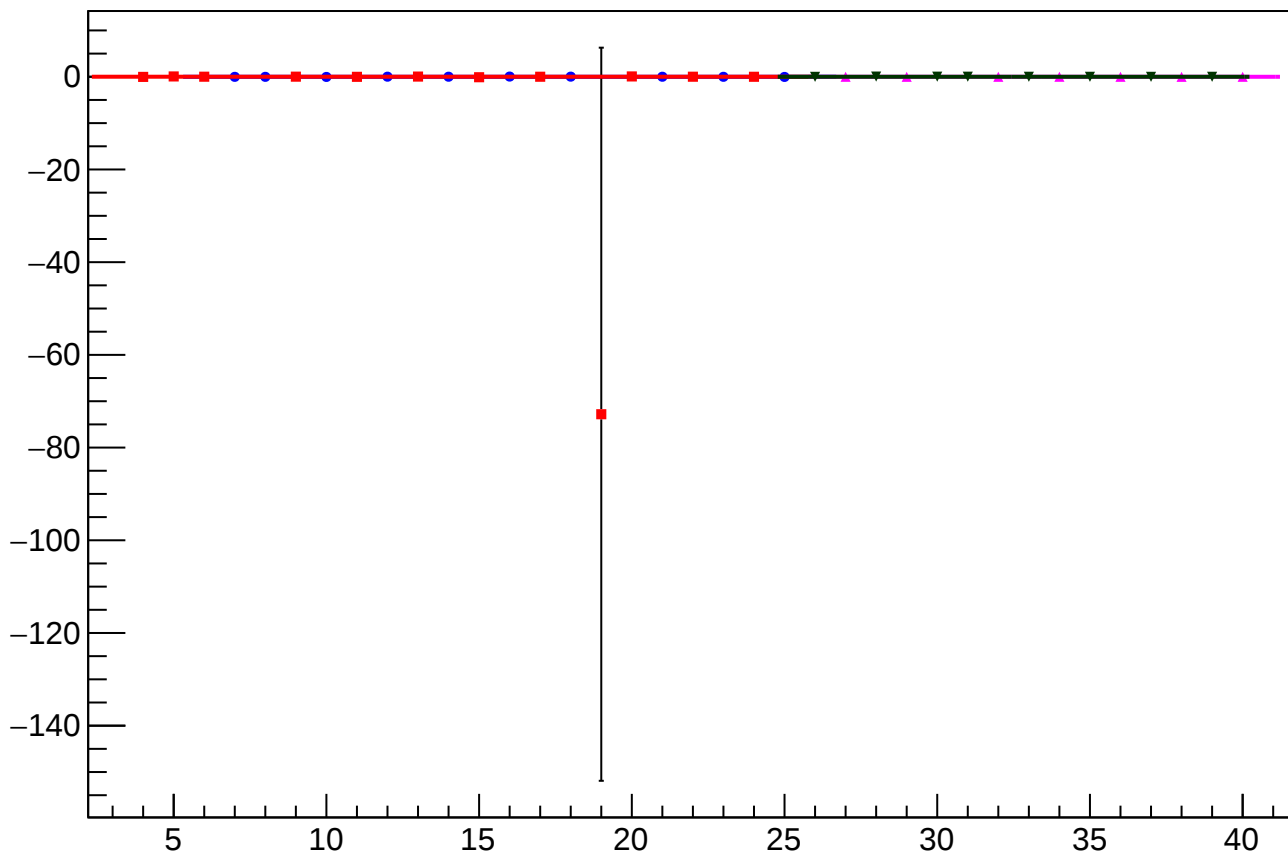
985.703+/-0.250 χ^2/NDF : 5152528.0/17

Right Out: 814.291+/-0.269 χ^2/NDF : 3392438.7/11

979.586+/-0.247 χ^2/NDF : 5806024.2/18

Left In: 1849.073+/-0.617 χ^2/NDF :51312.2/6

diff_cav4dX_mean vs slug



Right In: -0.005 $\pm$ 0.008 χ^2 /NDF: 5.9/9

Left Out: 0.002 $\pm$ 0.005 χ^2 /NDF: 8.6/7

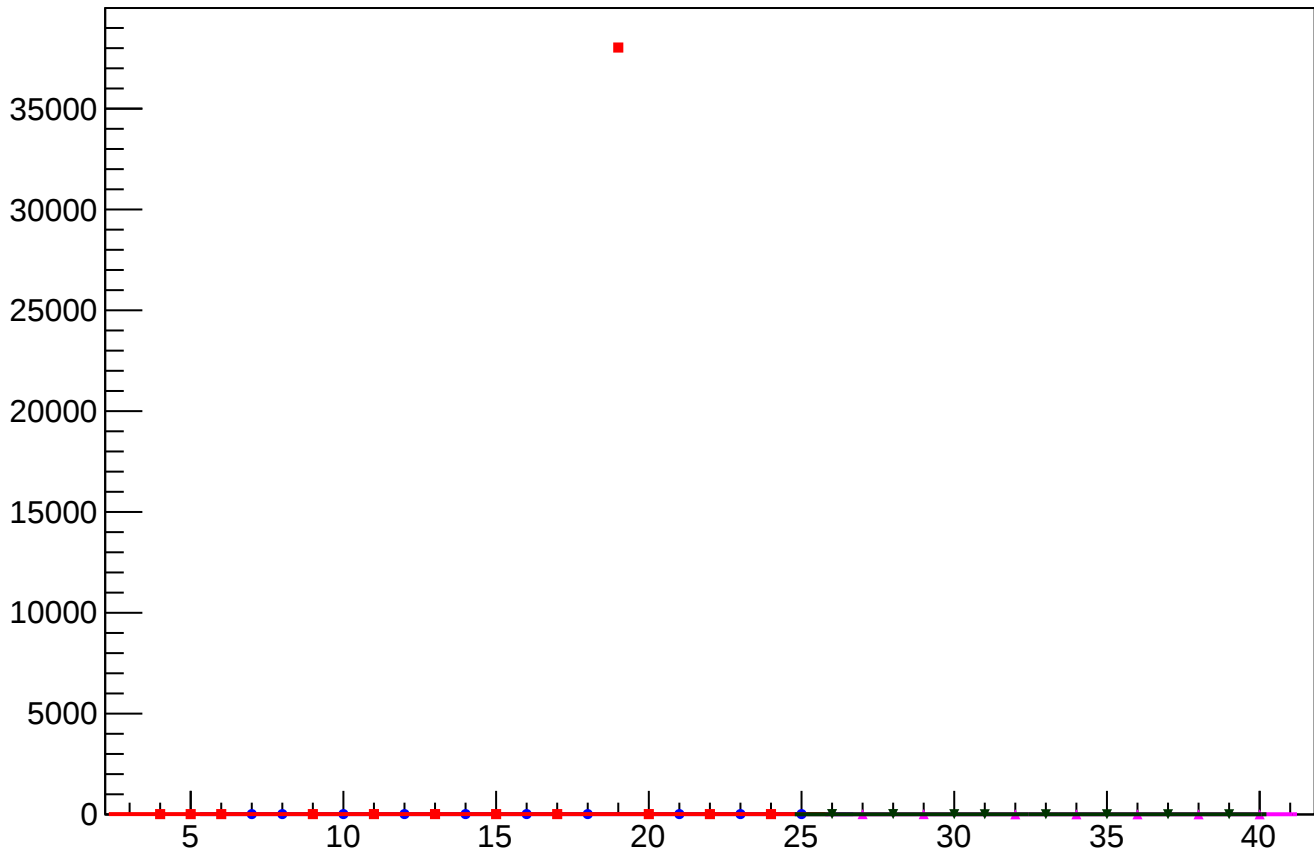
Right Out: 0.011 $\pm$ 0.008 χ^2 /NDF: 11.3/11

Left In: -0.002 $\pm$ 0.005 χ^2 /NDF: 0.9/6

-0.000 $\pm$ 0.004 χ^2 /NDF: 15.0/17

0.002 $\pm$ 0.004 χ^2 /NDF: 14.2/18

diff_cav4dX_rms vs slug



Right In: 17.551 $\pm$ 0.006 χ^2 /NDF: 2298.7/9

Left Out: 9.615 $\pm$ 0.003 χ^2 /NDF: 567378.6/7

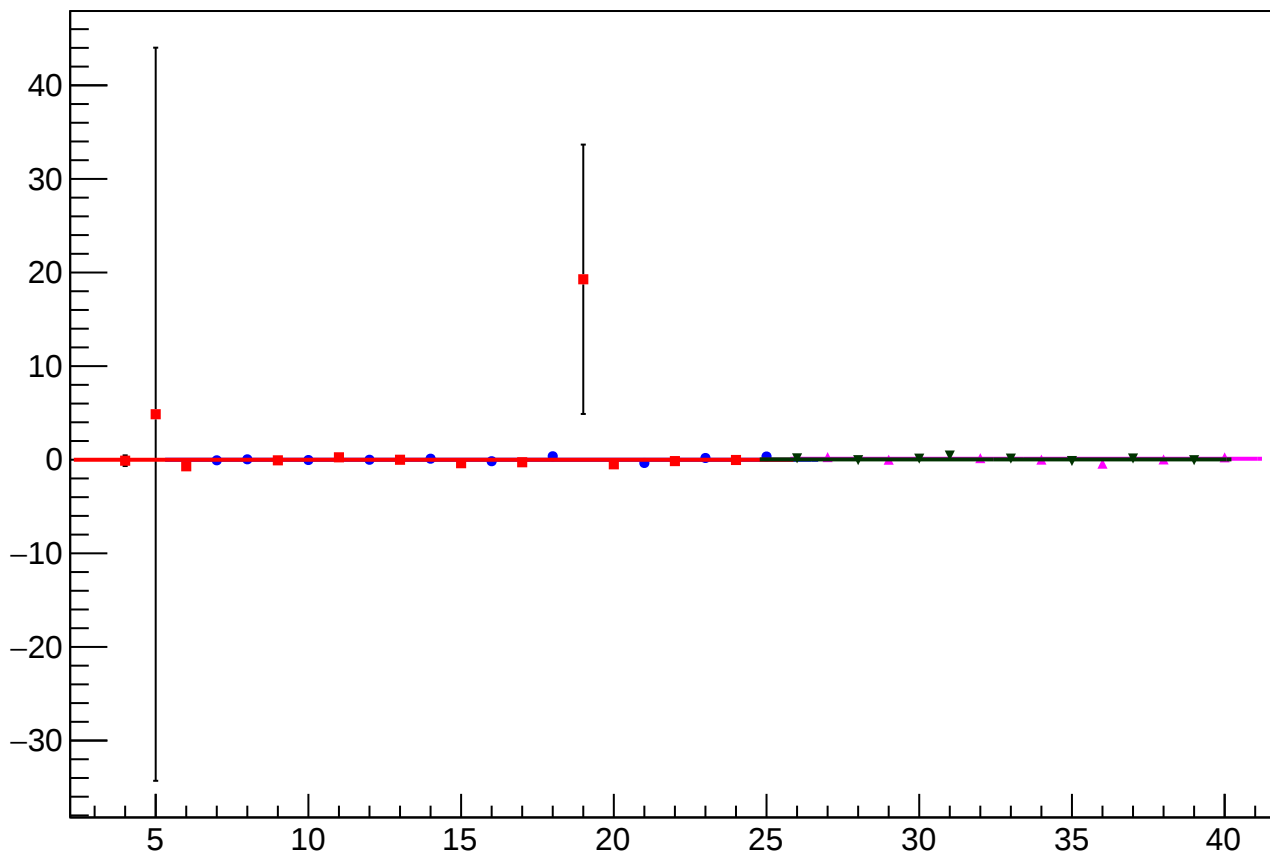
Right Out: 17.562 $\pm$ 0.006 χ^2 /NDF: 466099.2/11

Left In: 9.640 $\pm$ 0.003 χ^2 /NDF: 726511.0/6

11.807 $\pm$ 0.003 χ^2 /NDF: 2021895.4/17

11.704 $\pm$ 0.003 χ^2 /NDF: 2650934.9/18

diff_cav4dY_mean vs slug



Right In: -0.003+/-0.003 χ^2/NDF : 15.0/9

Left Out: 0.034+/-0.063 χ^2/NDF : 3.8/7

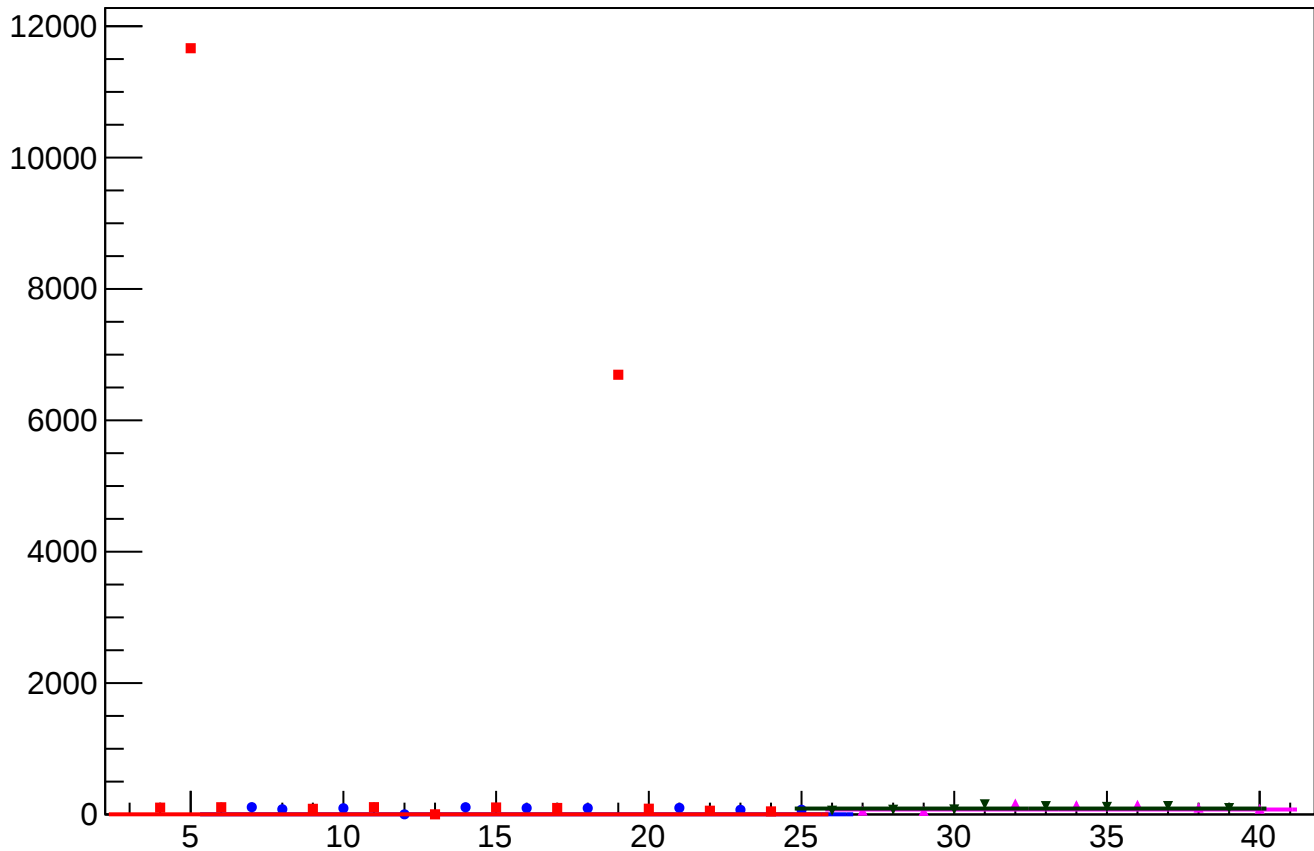
Right Out: -0.003+/-0.003 χ^2/NDF : 12.3/11

Left In: 0.104+/-0.056 χ^2/NDF : 7.9/6

-0.003+/-0.003 χ^2/NDF : 19.2/17

-0.002+/-0.003 χ^2/NDF : 23.8/18

diff_cav4dY_rms vs slug



Right In: 2.134+/-0.002 χ^2/NDF : 5844248.7/9

Left Out: 89.871+/-0.044 χ^2/NDF : 337031.3/7

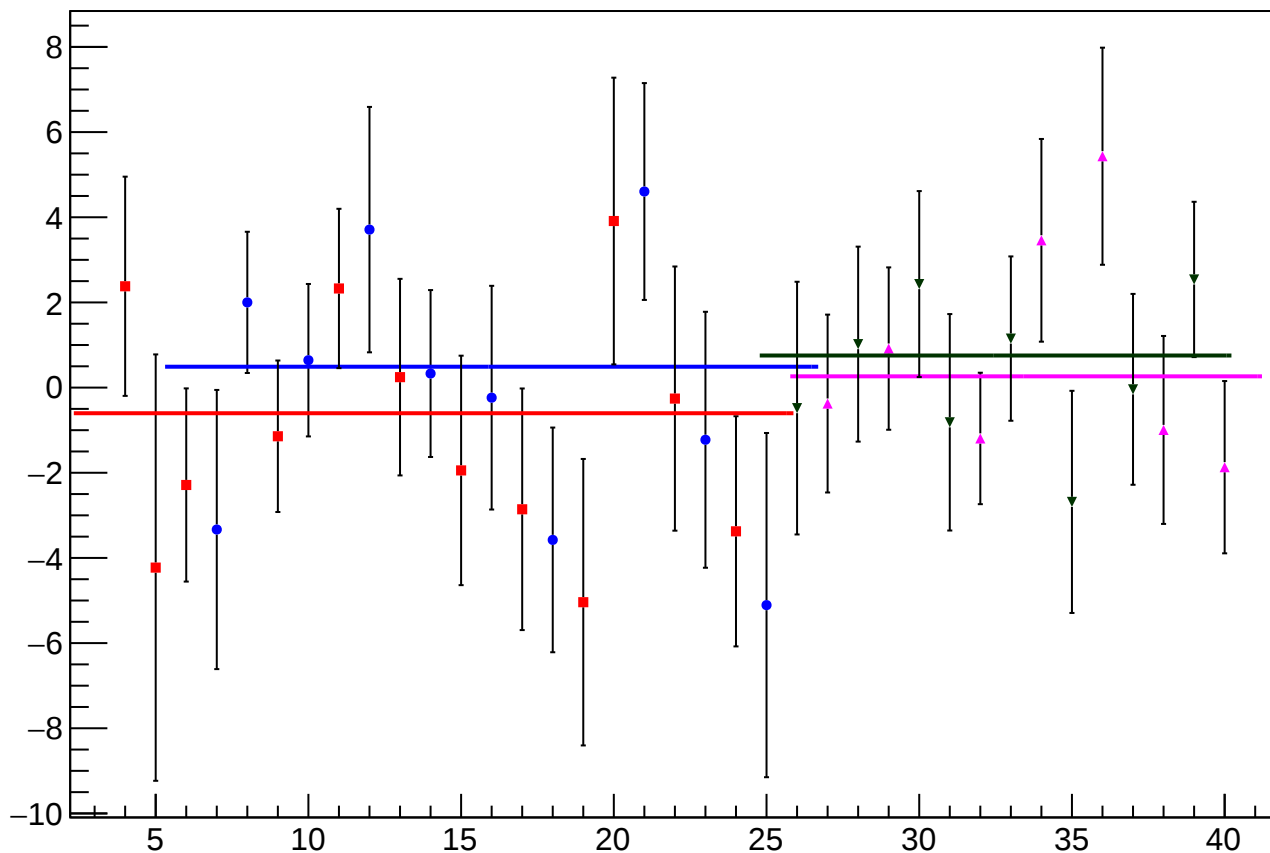
2.346+/-0.002 χ^2/NDF : 10096202.9/17

Right Out: 2.056+/-0.002 χ^2/NDF : 4218182.0/11

2.267+/-0.002 χ^2/NDF : 8311169.7/18

Left In: 75.262+/-0.040 χ^2/NDF : 715005.5/6

diff_bpm4aX_mean vs slug



Right In: 0.490 ± 0.753 $\chi^2/\text{NDF}: 10.8/9$

Left Out: 0.754 ± 0.794 $\chi^2/\text{NDF}: 4.0/7$

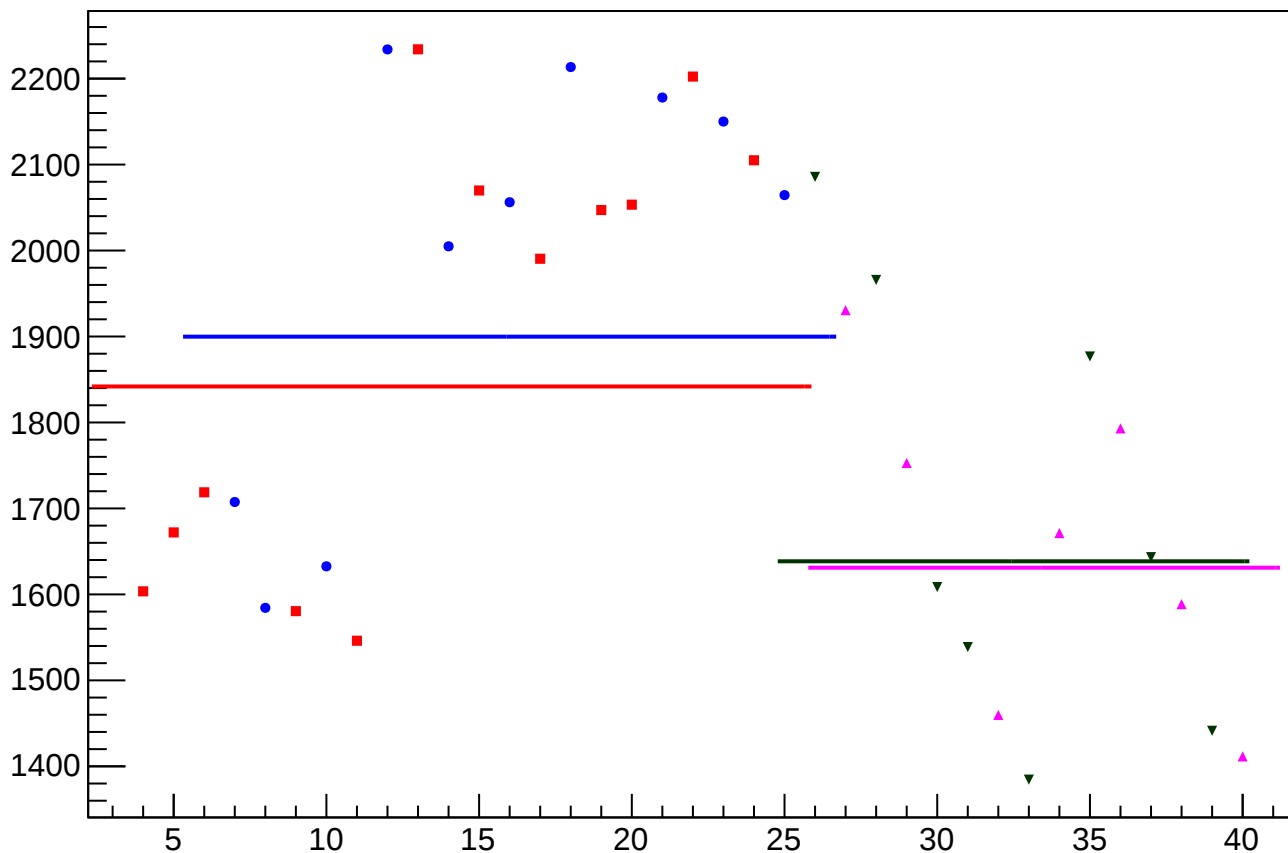
Right Out: -0.602 ± 0.734 $\chi^2/\text{NDF}: 10.6/11$

Left In: 0.264 ± 0.766 $\chi^2/\text{NDF}: 8.5/6$

0.615 ± 0.546 $\chi^2/\text{NDF}: 14.8/17$

-0.187 ± 0.530 $\chi^2/\text{NDF}: 19.7/18$

diff_bpm4aX_rms vs slug



Right In: 1899.826+/-0.532 χ^2/NDF : 232868.5/9

Left Out: 1638.501+/-0.562 χ^2/NDF : 164503.4/7

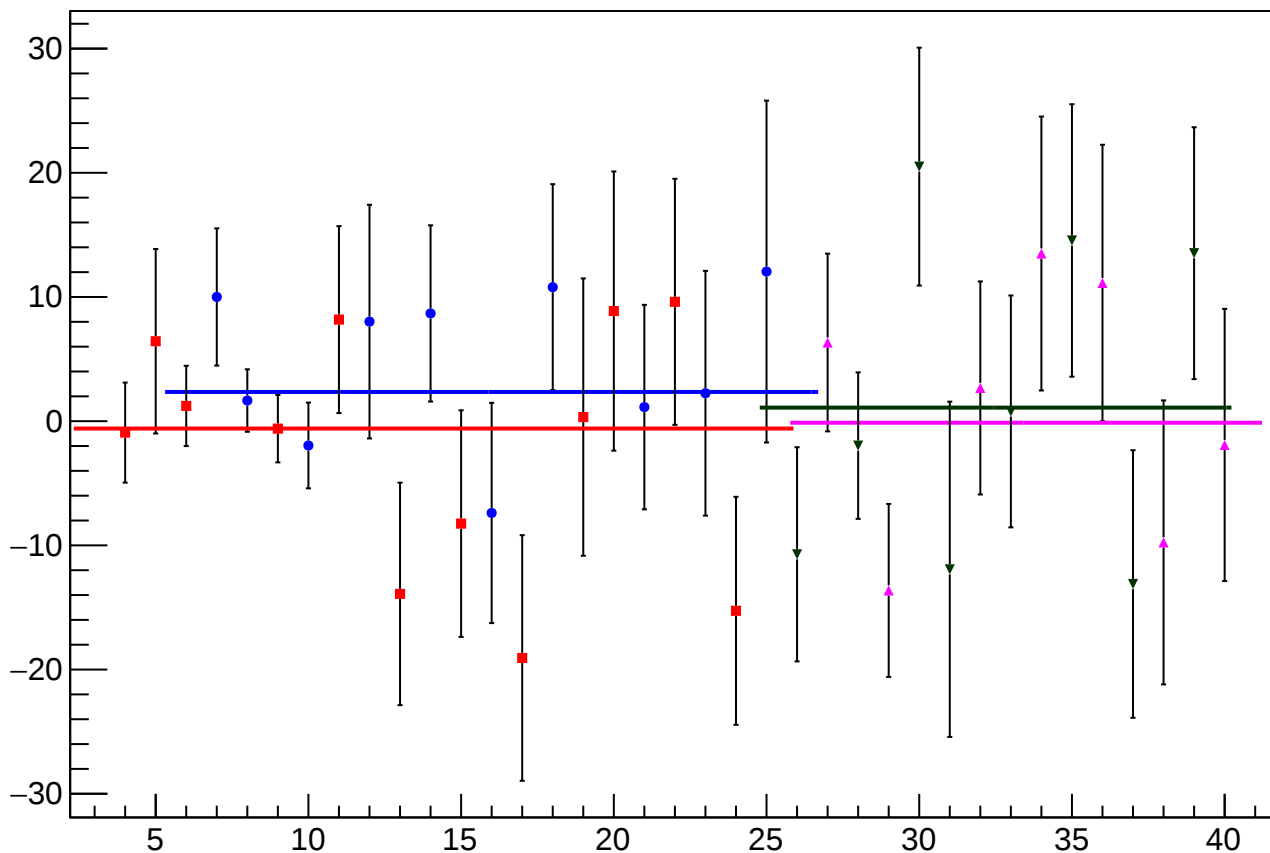
1776.188+/-0.386 χ^2/NDF : 511389.3/17

Right Out: 1841.876+/-0.519 χ^2/NDF : 257357.6/11

1740.911+/-0.375 χ^2/NDF : 443187.6/18

Left In: 1631.065+/-0.542 χ^2/NDF : 106899.0/6

diff_bpm4aY_mean vs slug



Right In: 2.354 ± 1.658 $\chi^2/\text{NDF}: 7.5/9$

Left Out: 1.093 ± 3.215 $\chi^2/\text{NDF}: 11.9/7$

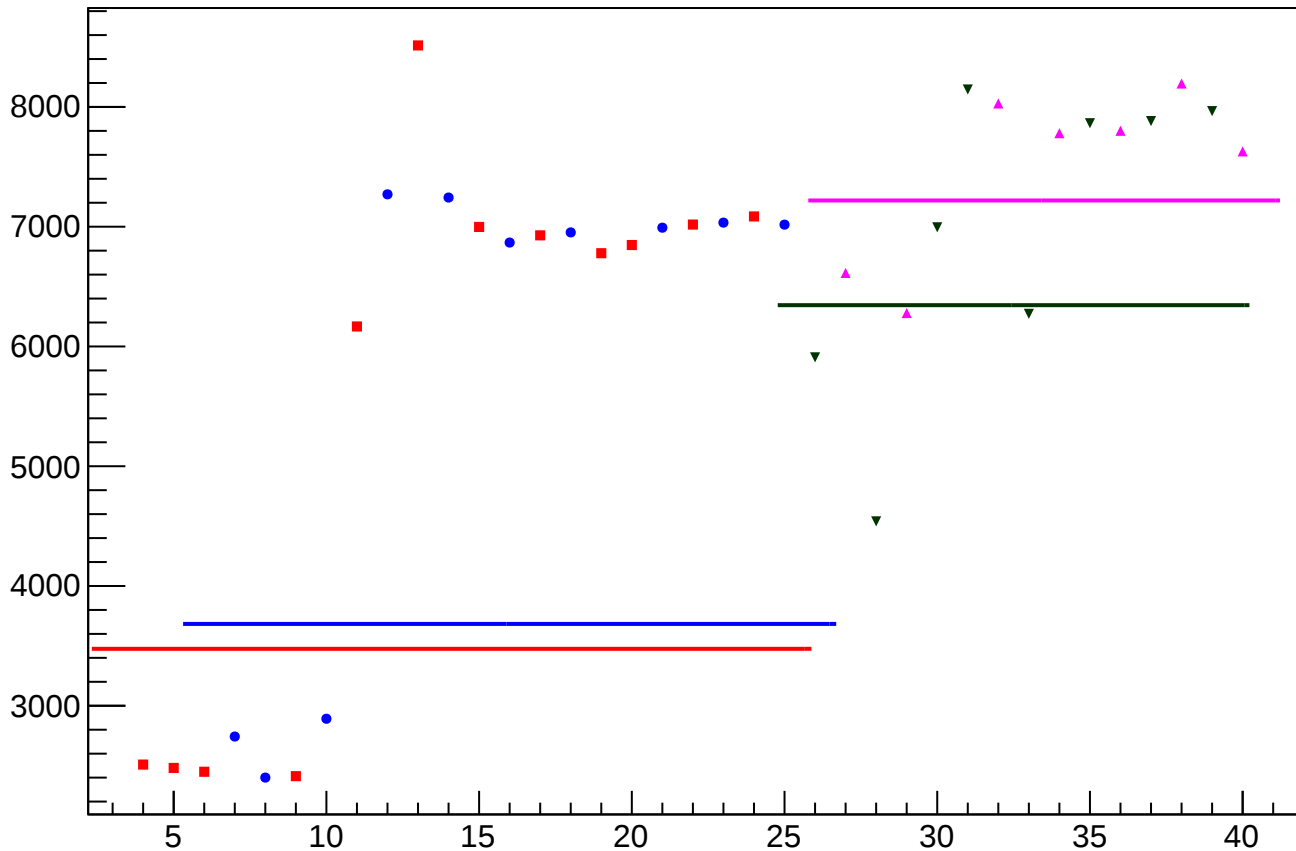
Right Out: -0.592 ± 1.578 $\chi^2/\text{NDF}: 13.3/11$

Left In: -0.124 ± 3.410 $\chi^2/\text{NDF}: 8.0/6$

2.089 ± 1.474 $\chi^2/\text{NDF}: 19.5/17$

-0.510 ± 1.432 $\chi^2/\text{NDF}: 21.3/18$

diff_bpm4aY_rms vs slug



Right In: 3683.292+/-1.173 χ^2/NDF : 2718531.0/9

Left Out: 6344.808+/-2.274 χ^2/NDF : 367605.3/7

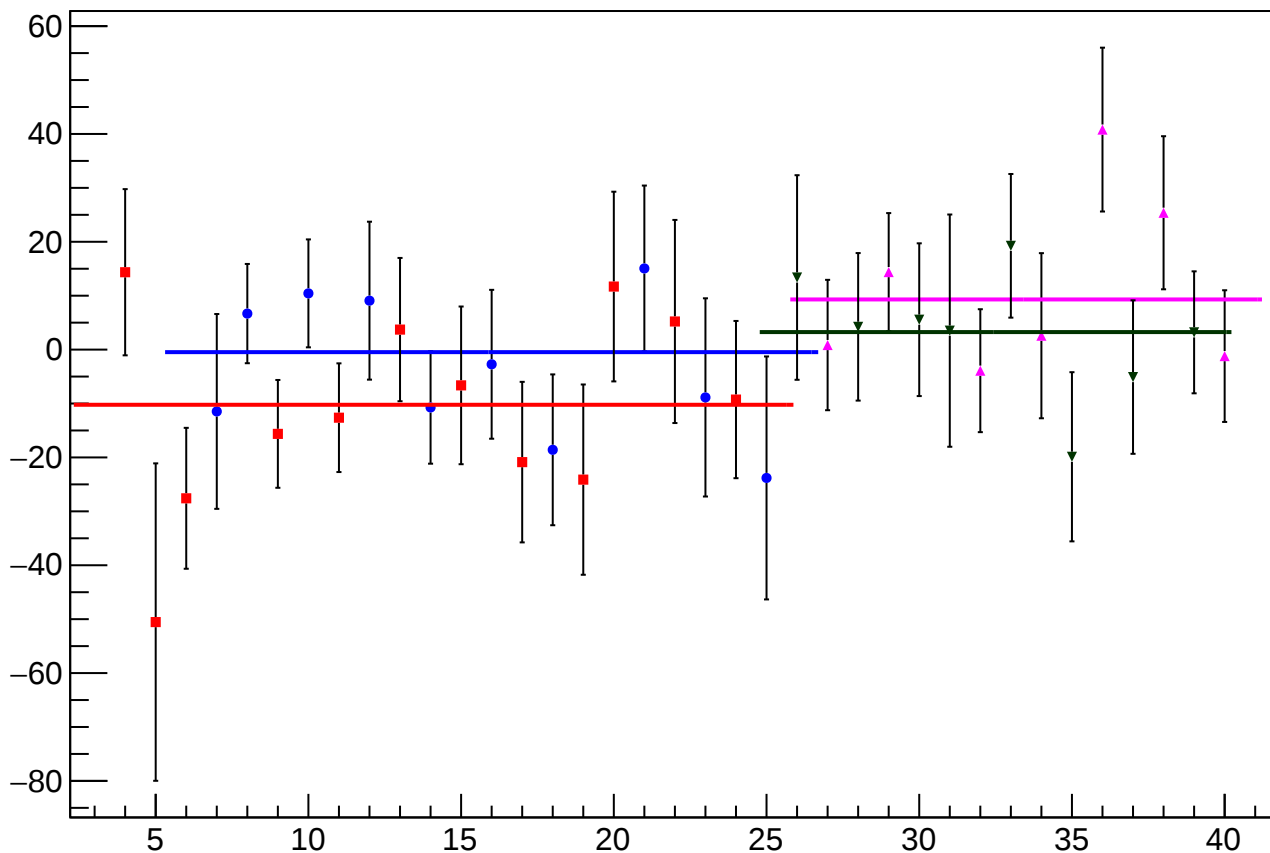
4242.502+/-1.042 χ^2/NDF : 4168525.8/17

Right Out: 3475.466+/-1.116 χ^2/NDF : 3010113.2/11

4136.067+/-1.013 χ^2/NDF : 5092285.0/18

Left In: 7219.109+/-2.411 χ^2/NDF : 96605.1/6

diff_bpm4eX_mean vs slug



Right In: -0.470 ± 4.145 χ^2/NDF : 7.6/9

Left Out: 3.251 ± 5.150 χ^2/NDF : 4.3/7

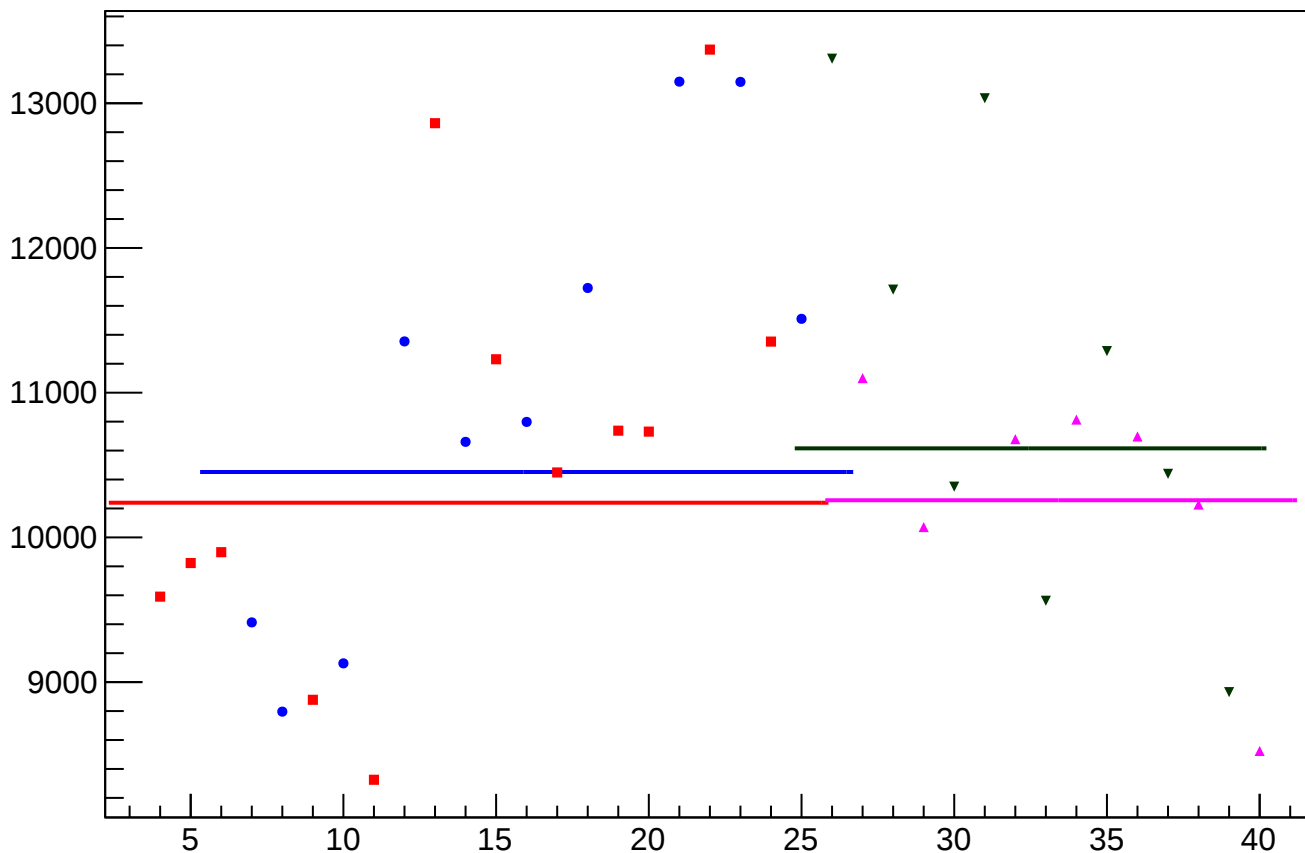
Right Out: -10.234 ± 4.087 χ^2/NDF : 11.1/11

Left In: 9.304 ± 4.814 χ^2/NDF : 8.6/6

0.992 ± 3.229 χ^2/NDF : 12.2/17

-2.051 ± 3.116 χ^2/NDF : 29.2/18

diff_bpm4eX_rms vs slug



Right In: 10451.949+/-2.931 χ^2/NDF : 241363.4/9

Left Out: 10615.315+/-3.642 χ^2/NDF :139872.5/7

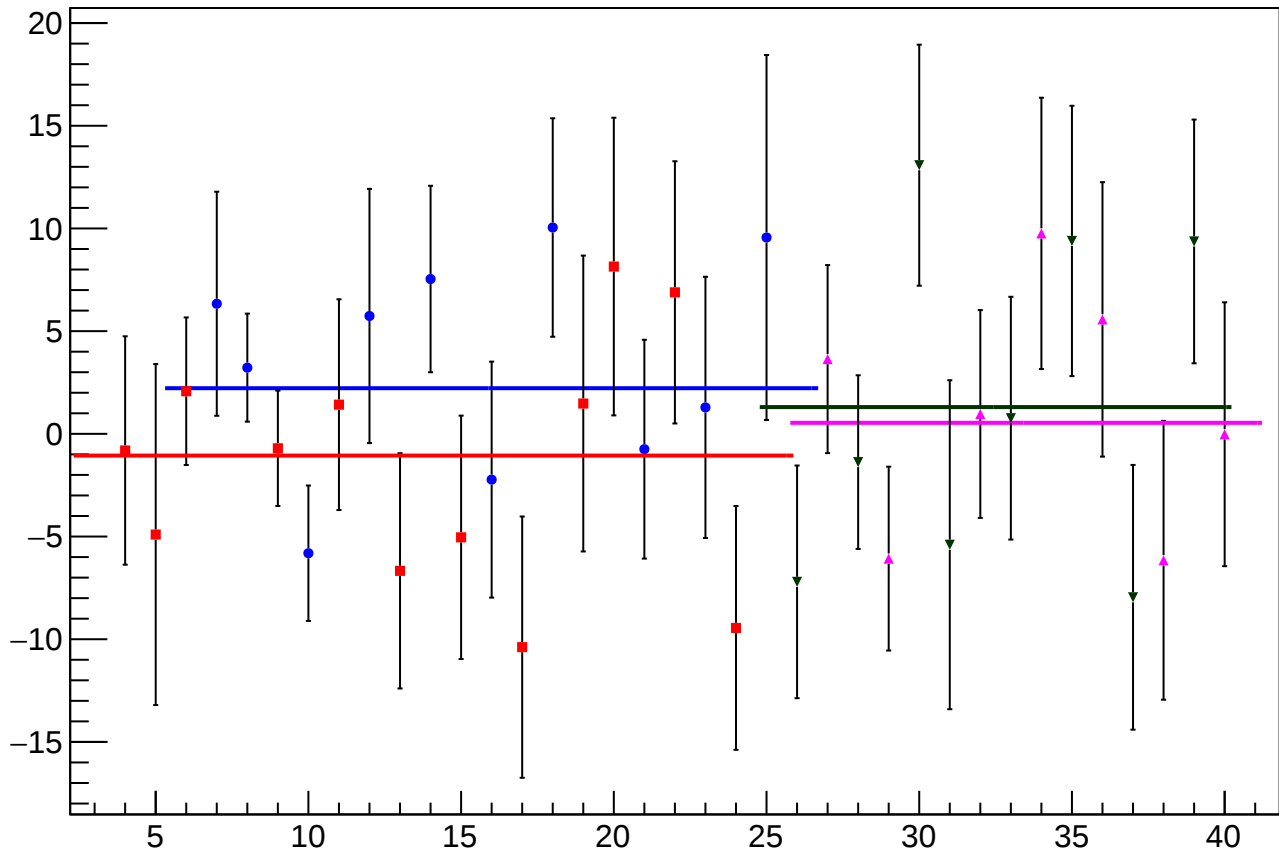
10516.164+/-2.283 χ^2/NDF : 382457.2/17

Right Out: 10239.715+/-2.890 χ^2/NDF : 272072.6/11

10246.829+/-2.203 χ^2/NDF : 329729.2/18

Left In: 10256.701+/-3.404 χ^2/NDF :57642.1/6

diff_bpm4eY_mean vs slug



Right In: 2.222 ± 1.439 χ^2/NDF : 12.1/9

Left Out: 1.302 ± 2.059 χ^2/NDF : 12.8/7

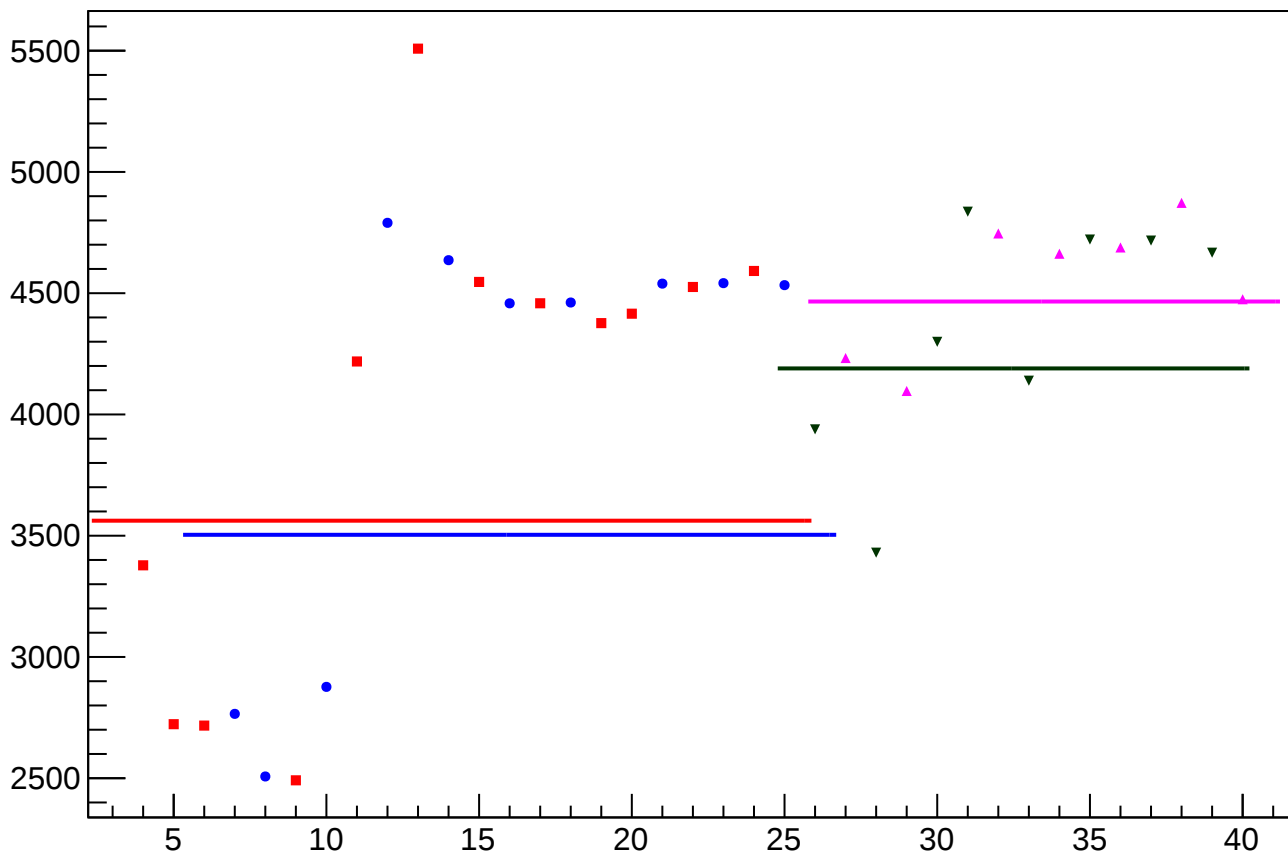
Right Out: -1.058 ± 1.468 χ^2/NDF : 10.1/11

Left In: 0.537 ± 2.094 χ^2/NDF : 6.1/6

1.920 ± 1.179 χ^2/NDF : 25.1/17

-0.533 ± 1.202 χ^2/NDF : 16.6/18

diff_bpm4eY_rms vs slug



Right In: 3503.752+/-1.017 χ^2/NDF : 882846.4/9

Left Out: 4189.815+/-1.456 χ^2/NDF : 121754.3/7

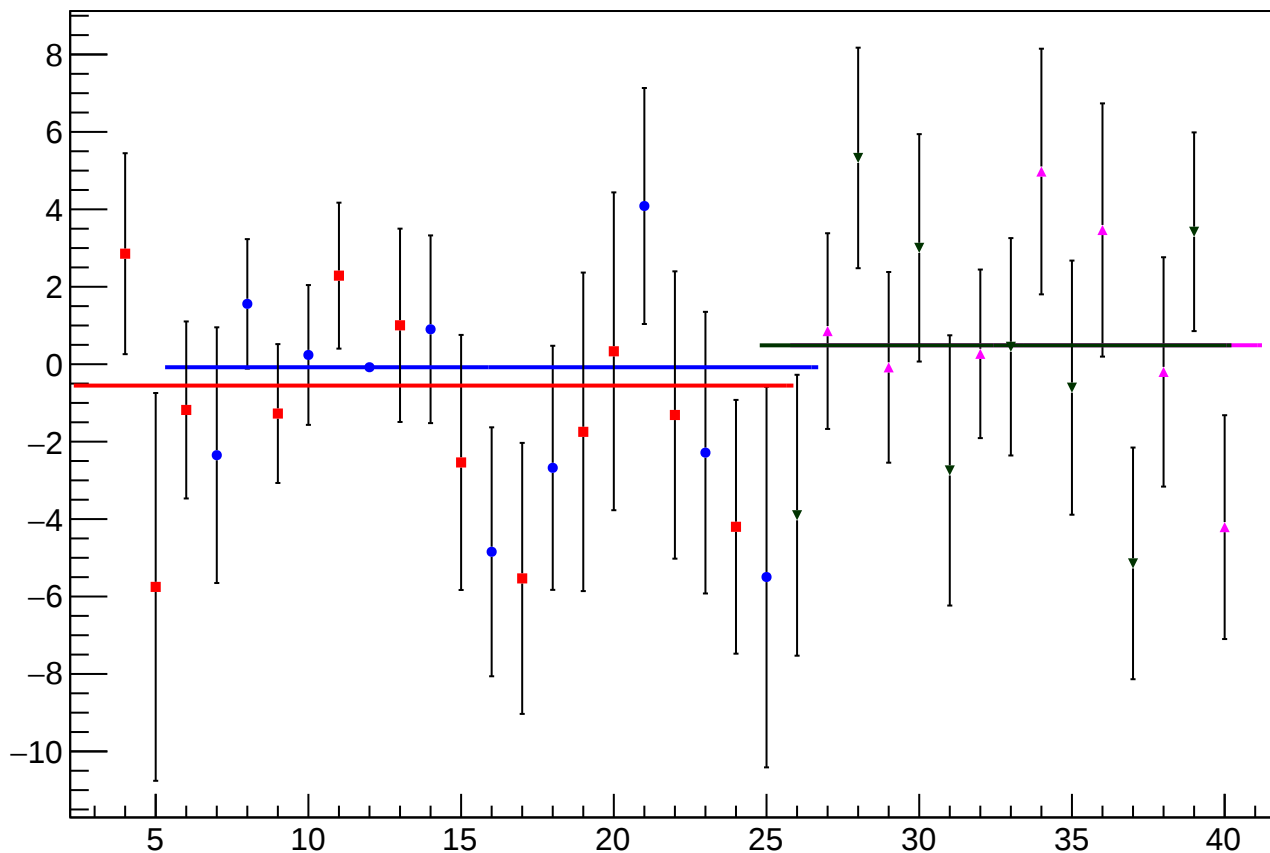
3728.860+/-0.834 χ^2/NDF : 1153833.4/17

Right Out: 3561.943+/-1.038 χ^2/NDF : 941598.3/11

3859.694+/-0.850 χ^2/NDF : 1227424.9/18

Left In: 4465.696+/-1.481 χ^2/NDF : 36110.4/6

diff_bpm4acX_mean vs slug



Right In: -0.078 ± 0.060 $\chi^2/\text{NDF}: 8.0/9$

Left Out: 0.488 ± 1.066 $\chi^2/\text{NDF}: 10.9/7$

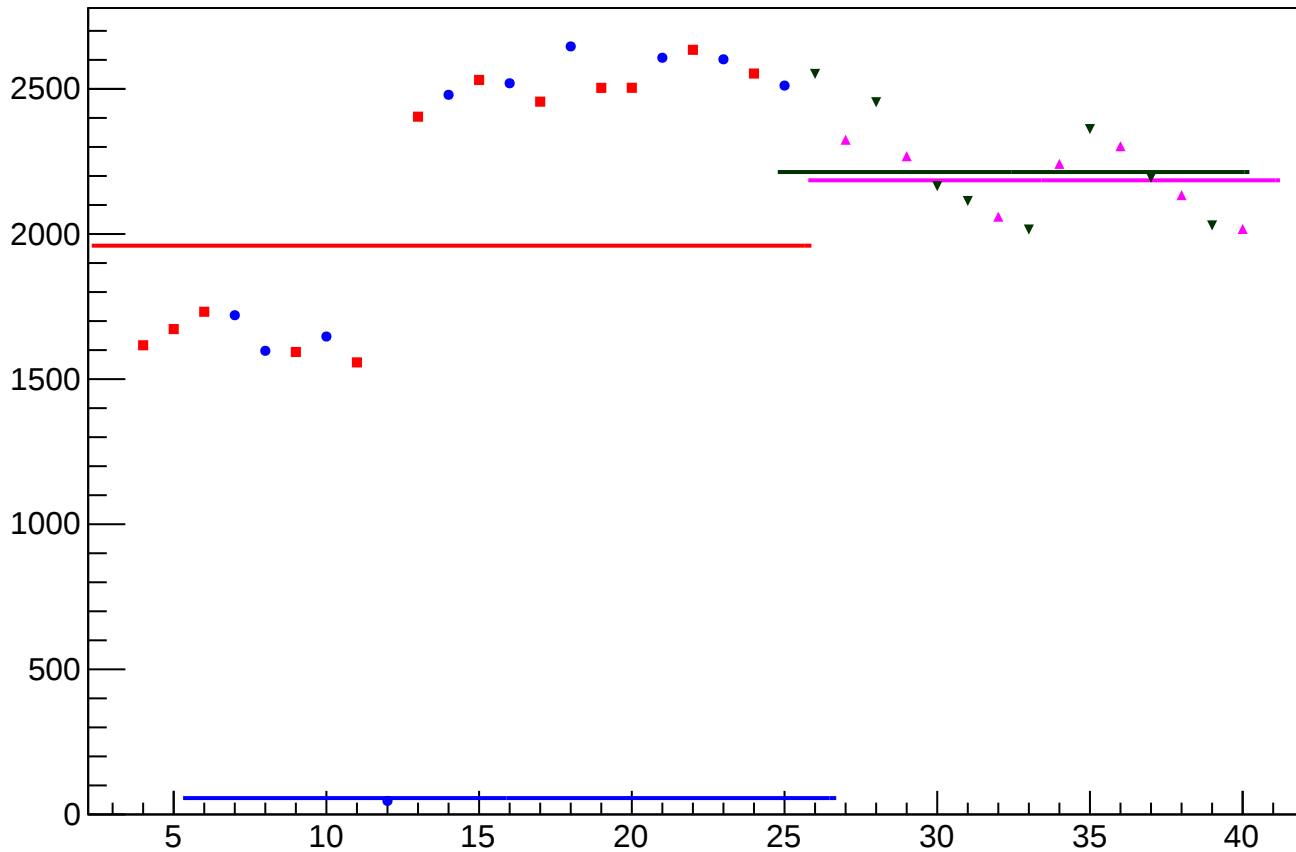
Right Out: -0.552 ± 0.793 $\chi^2/\text{NDF}: 9.5/11$

Left In: 0.490 ± 1.021 $\chi^2/\text{NDF}: 5.6/6$

-0.076 ± 0.060 $\chi^2/\text{NDF}: 19.1/17$

-0.160 ± 0.626 $\chi^2/\text{NDF}: 15.8/18$

diff_bpm4acX_rms vs slug



Right In: 56.427 ± 0.043 χ^2/NDF : 11213241.4/9

Left Out: 2213.565 ± 0.753 χ^2/NDF : 58203.8/7

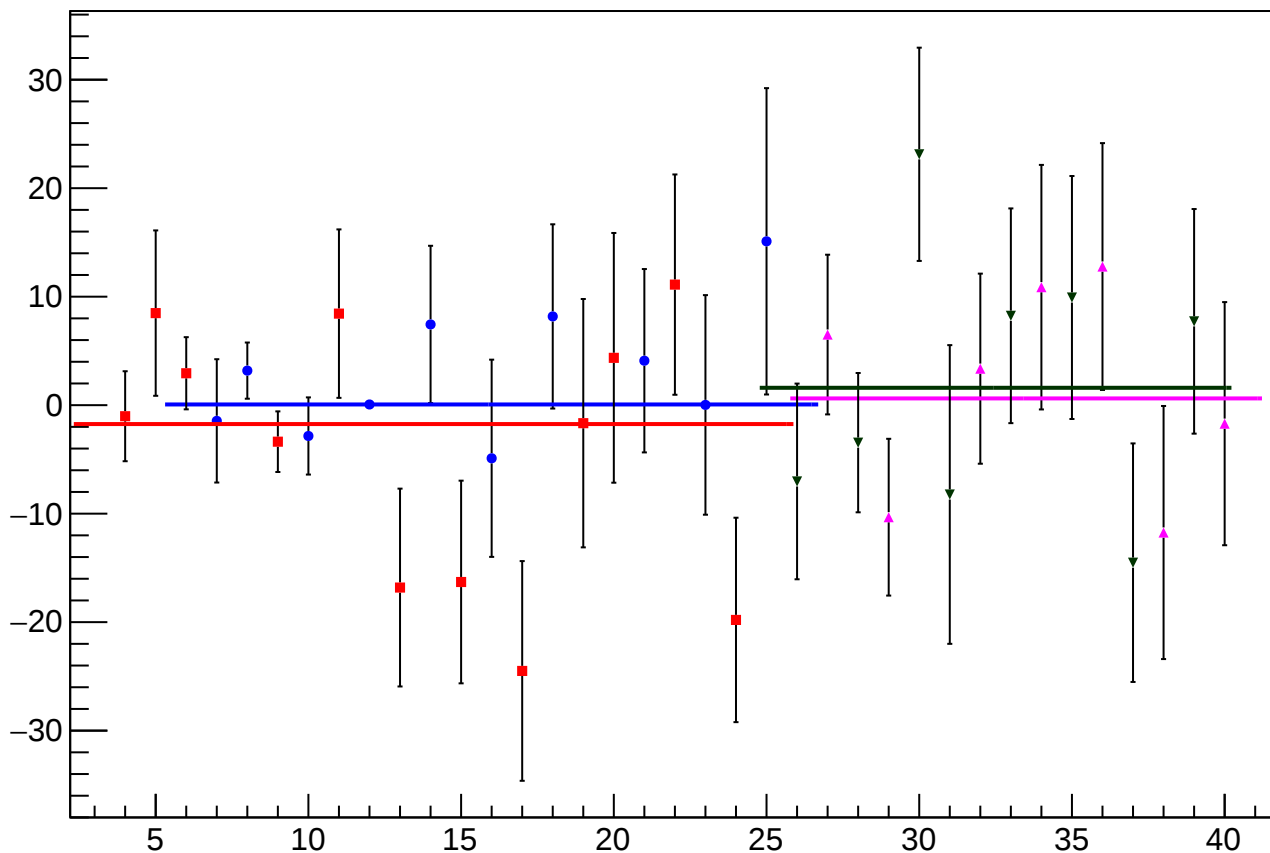
Right Out: 1959.862 ± 0.561 χ^2/NDF : 601394.1/11

Left In: 2185.006 ± 0.722 χ^2/NDF : 25557.5/6

63.283 ± 0.042 χ^2/NDF : 19441206.4/17

2044.549 ± 0.443 χ^2/NDF : 687608.6/18

diff_bpm4acY_mean vs slug



Right In: 0.065 ± 0.052 $\chi^2/\text{NDF}: 5.8/9$

Left Out: 1.602 ± 3.372 $\chi^2/\text{NDF}: 10.3/7$

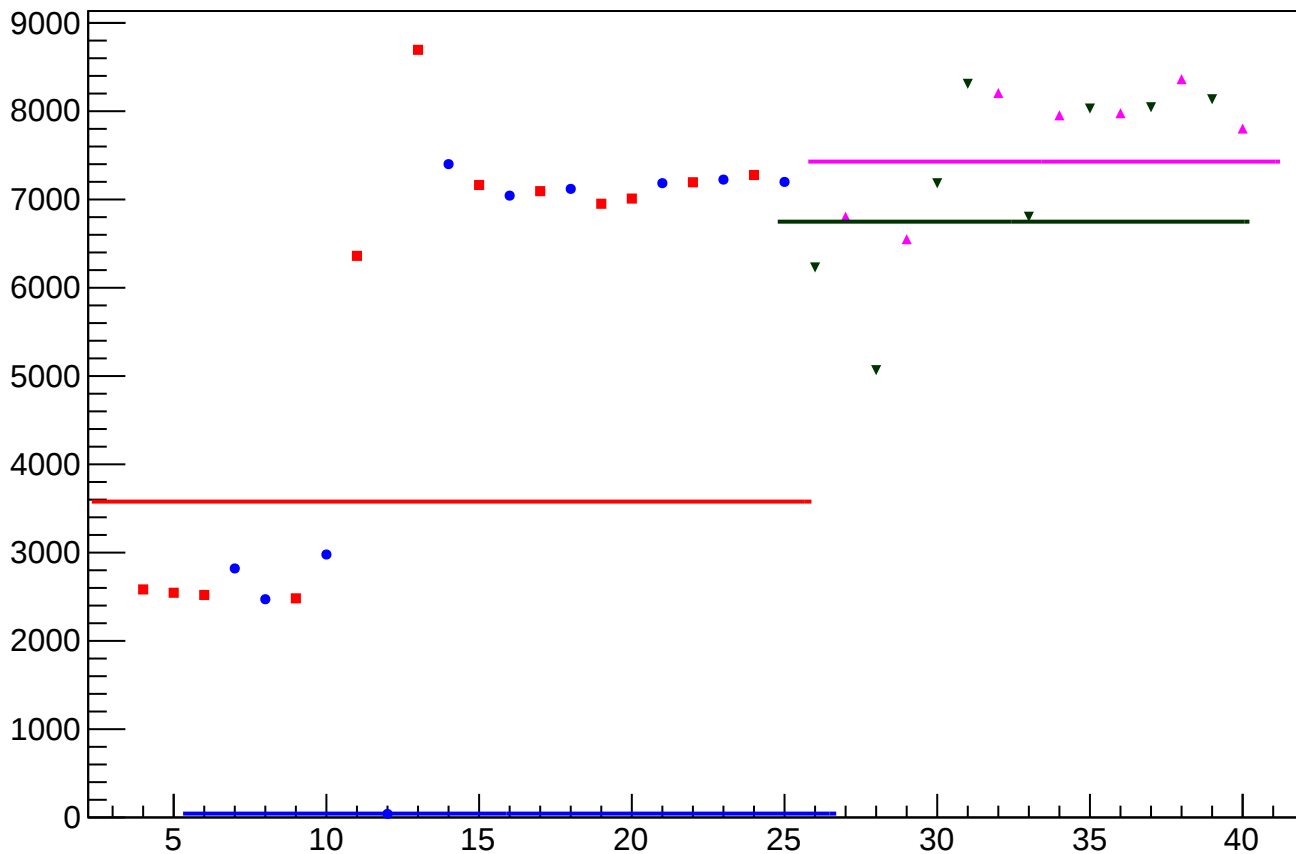
Right Out: -1.741 ± 1.623 $\chi^2/\text{NDF}: 21.6/11$

Left In: 0.622 ± 3.502 $\chi^2/\text{NDF}: 6.2/6$

0.066 ± 0.052 $\chi^2/\text{NDF}: 16.3/17$

-1.324 ± 1.472 $\chi^2/\text{NDF}: 28.2/18$

diff_bpm4acY_rms vs slug



Right In: 43.632+/-0.037 χ^2 /NDF: 11190271.5/9

Left Out: 6748.830+/-2.384 χ^2 /NDF:263475.3/7

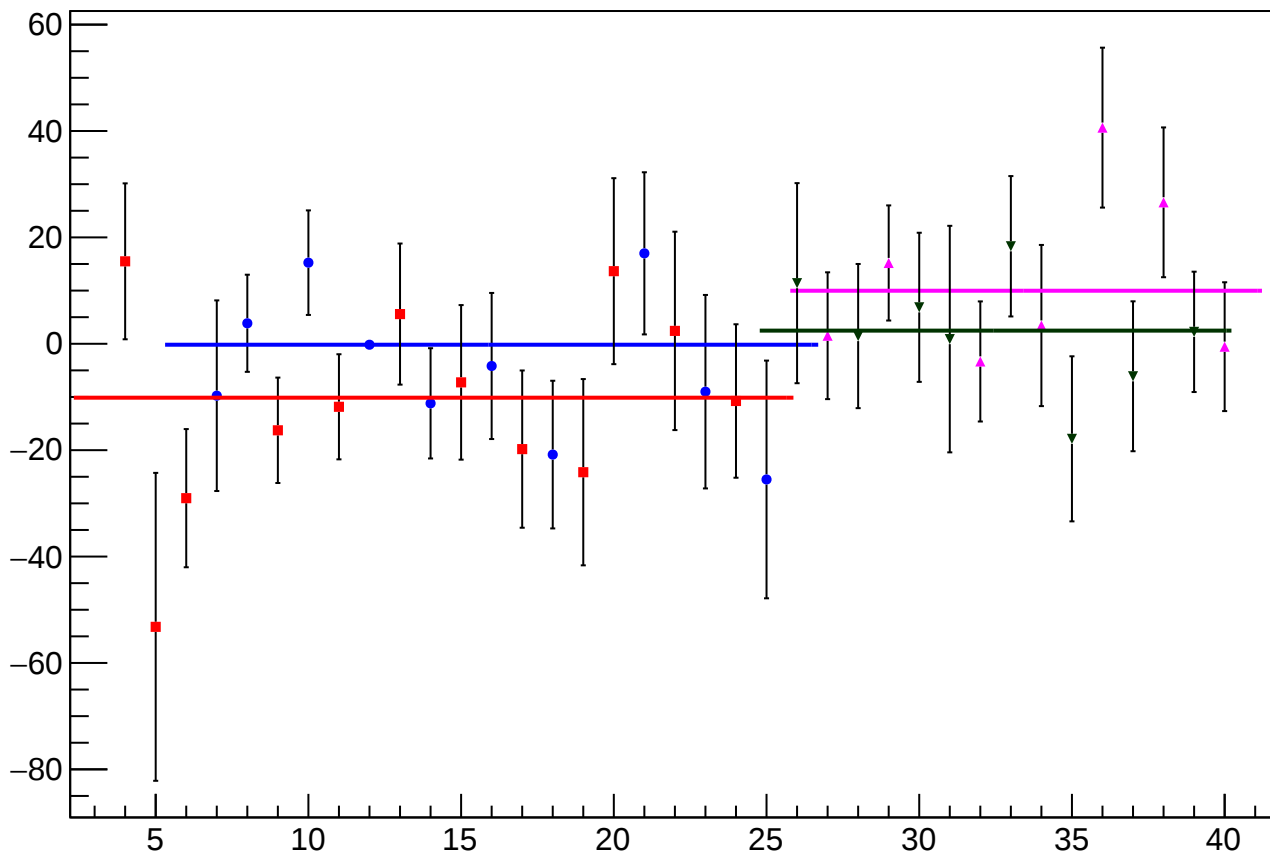
45.232+/-0.037 χ^2 /NDF: 19362154.8/17

Right Out: 3577.880+/-1.147 χ^2 /NDF: 2998842.2/11

4258.720+/-1.041 χ^2 /NDF: 5074234.9/18

Left In: 7429.129+/-2.476 χ^2 /NDF:83732.7/6

diff_bpm4ecX_mean vs slug



Right In: -0.178 ± 0.107 χ^2/NDF : 9.2/9

Left Out: 2.473 ± 5.108 χ^2/NDF : 3.9/7

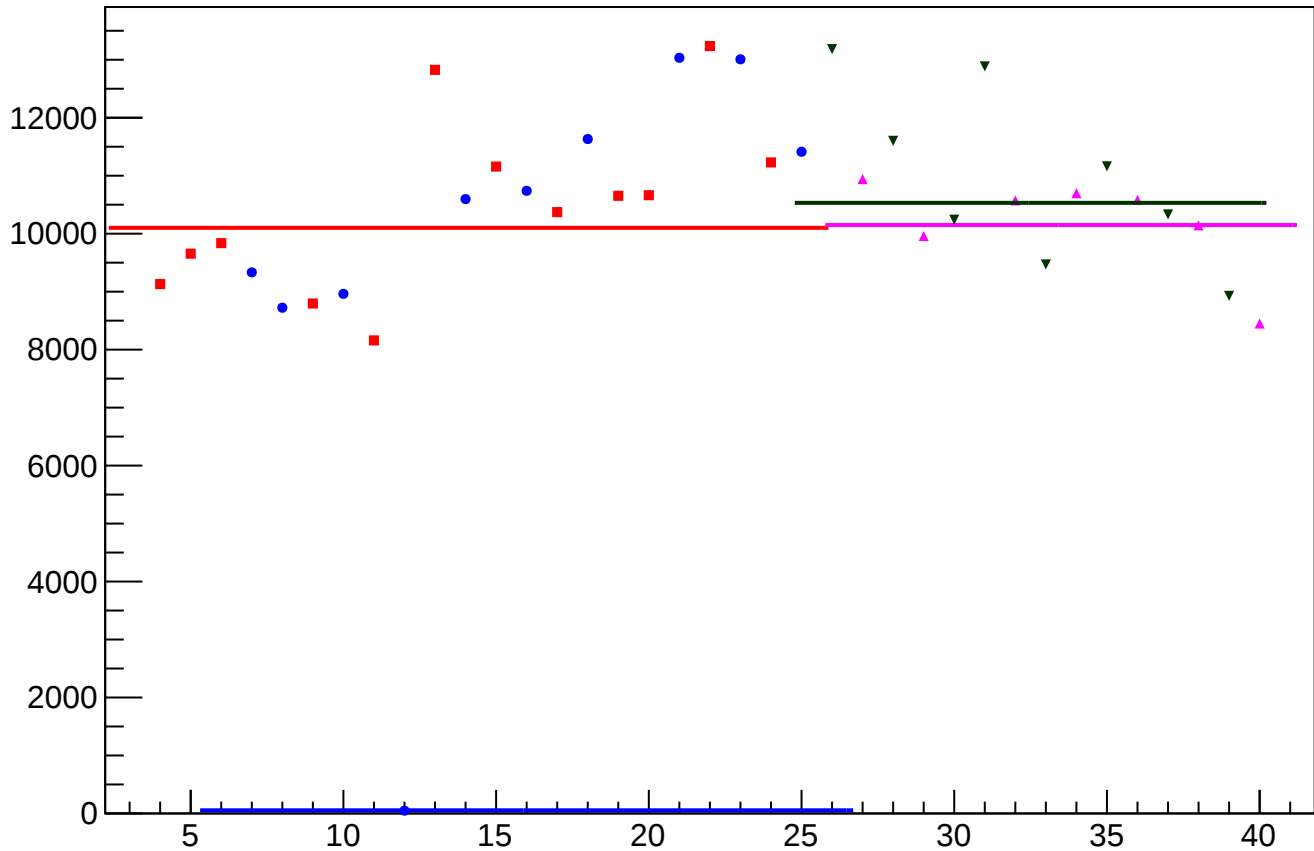
Right Out: -10.134 ± 4.035 χ^2/NDF : 12.6/11

Left In: 9.972 ± 4.763 χ^2/NDF : 8.6/6

-0.177 ± 0.106 χ^2/NDF : 13.3/17

-1.735 ± 3.079 χ^2/NDF : 31.6/18

diff_bpm4ecX_rms vs slug



Right In: 54.358+/-0.075 χ^2/NDF : 11644039.7/9

Left Out: 10532.078+/-3.612 χ^2/NDF :134384.4/7

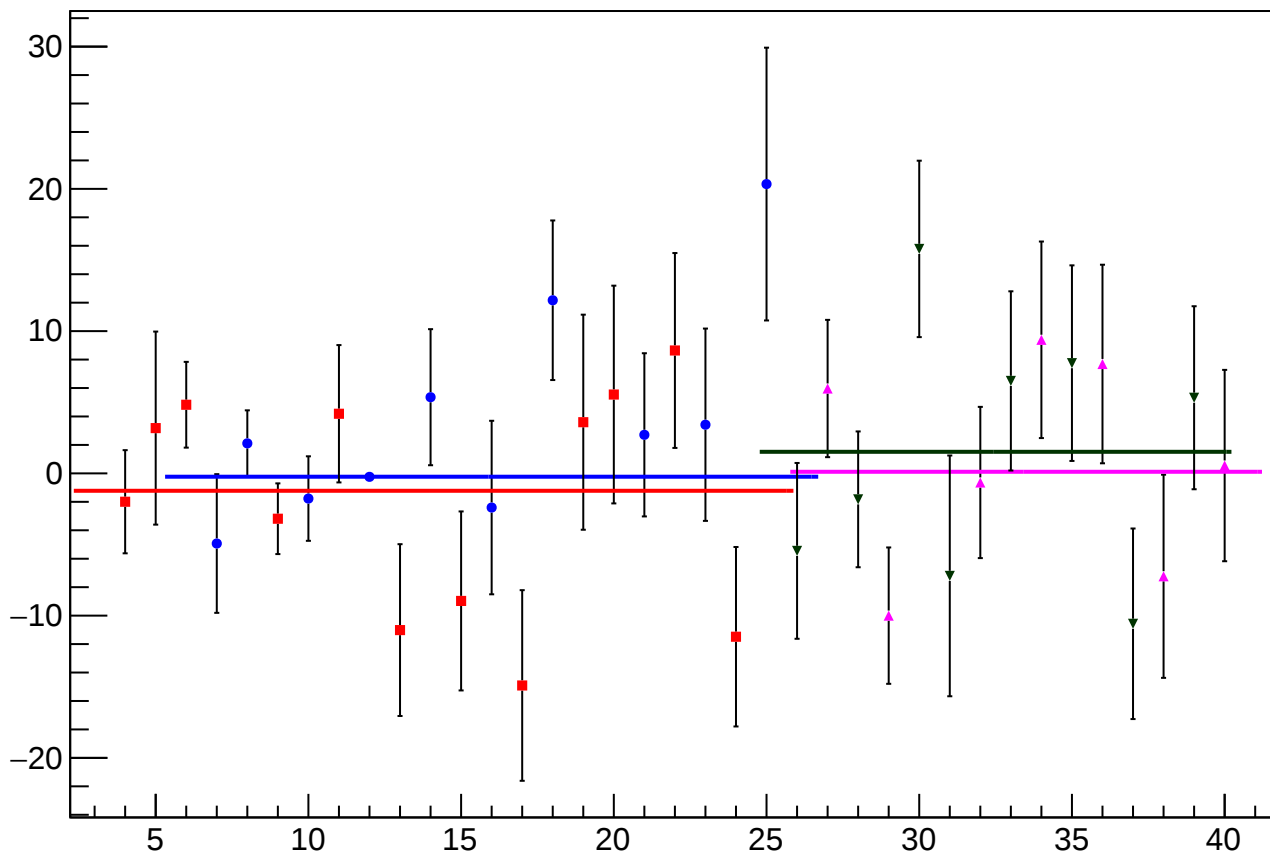
58.911+/-0.075 χ^2/NDF : 20188455.8/17

Right Out: 10101.257+/-2.853 χ^2/NDF : 290554.5/11

10121.265+/-2.177 χ^2/NDF : 346603.6/18

Left In: 10149.151+/-3.368 χ^2/NDF :55931.4/6

diff_bpm4ecY_mean vs slug



Right In: -0.234 $\pm$ 0.090 χ^2/NDF : 13.8/9

Left Out: 1.516 $\pm$ 2.220 χ^2/NDF :13.2/7

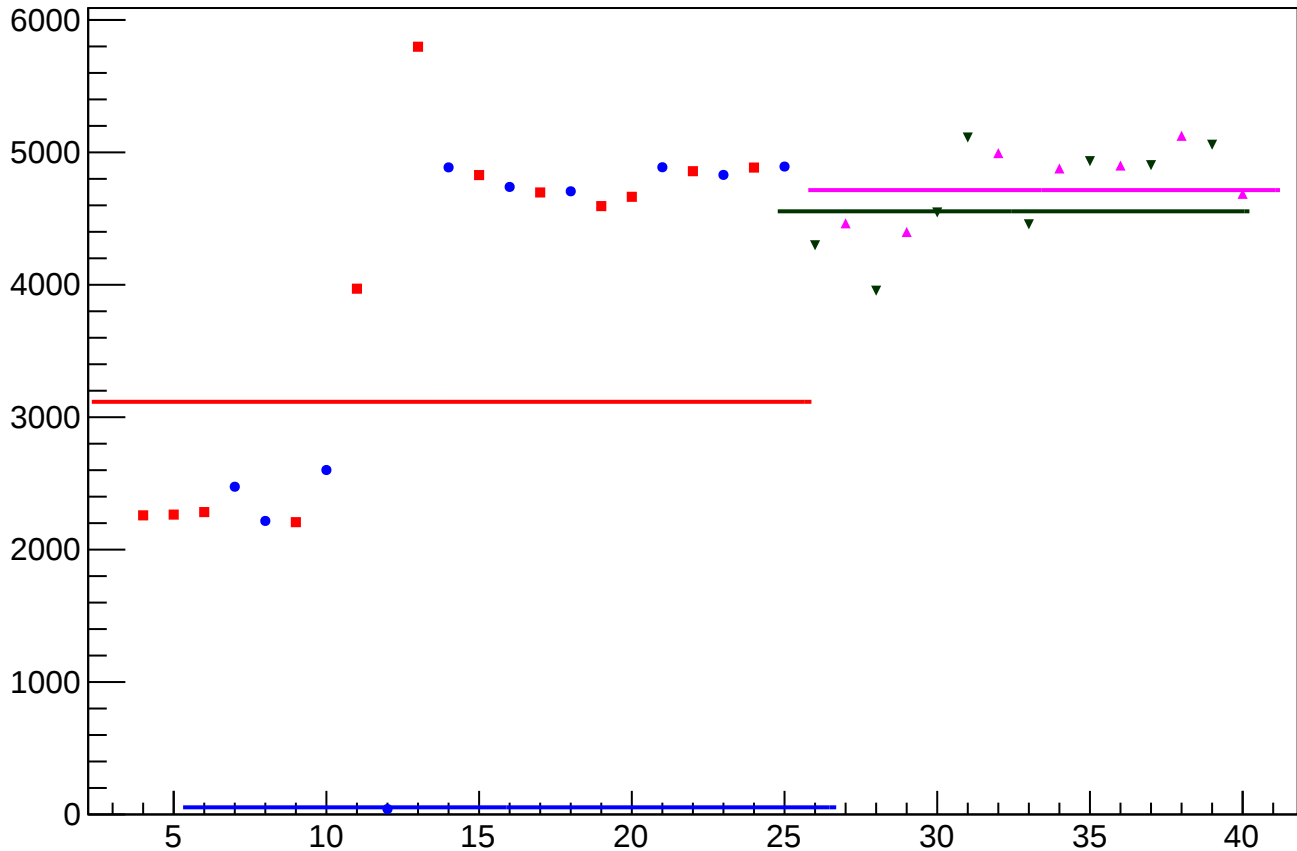
Right Out: -1.223 $\pm$ 1.326 χ^2/NDF : 20.6/11

Left In: 0.113 $\pm$ 2.208 χ^2/NDF :10.0/6

-0.232 $\pm$ 0.090 χ^2/NDF : 27.6/17

-0.869 $\pm$ 1.137 χ^2/NDF : 30.9/18

diff_bpm4ecY_rms vs slug



Right In: 53.805+/-0.064 χ^2 /NDF: 11269015.3/9

Left Out: 4554.898+/-1.570 χ^2 /NDF: 67847.7/7

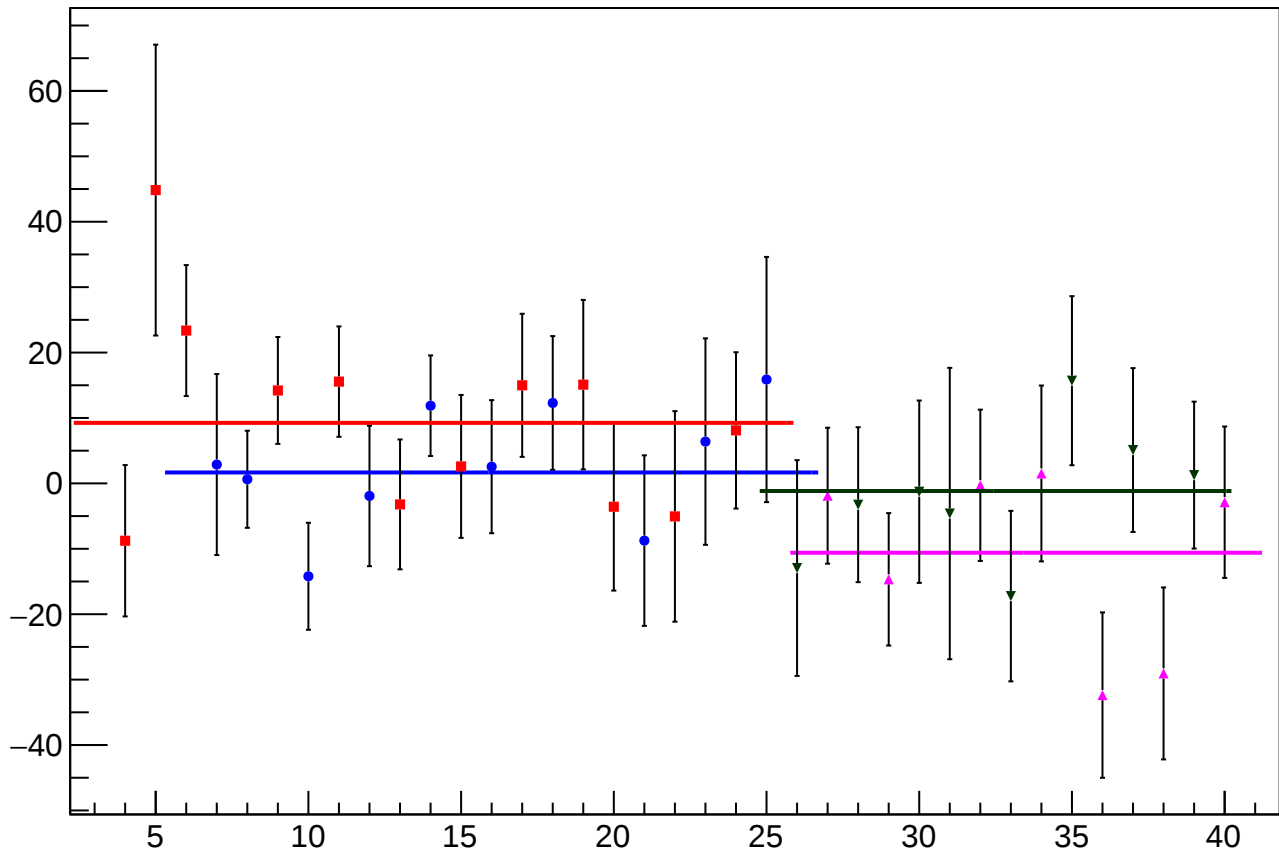
Right Out: 3116.348+/-0.938 χ^2 /NDF: 1724845.4/11

Left In: 4715.124+/-1.561 χ^2 /NDF: 28801.4/6

61.186+/-0.064 χ^2 /NDF: 19543013.6/17

3540.127+/-0.804 χ^2 /NDF: 2524100.3/18

diff_bpm1X_mean vs slug



Right In: 1.669 ± 3.229 χ^2/NDF : 8.1/9

Left Out: -1.168 ± 4.759 χ^2/NDF : 4.1/7

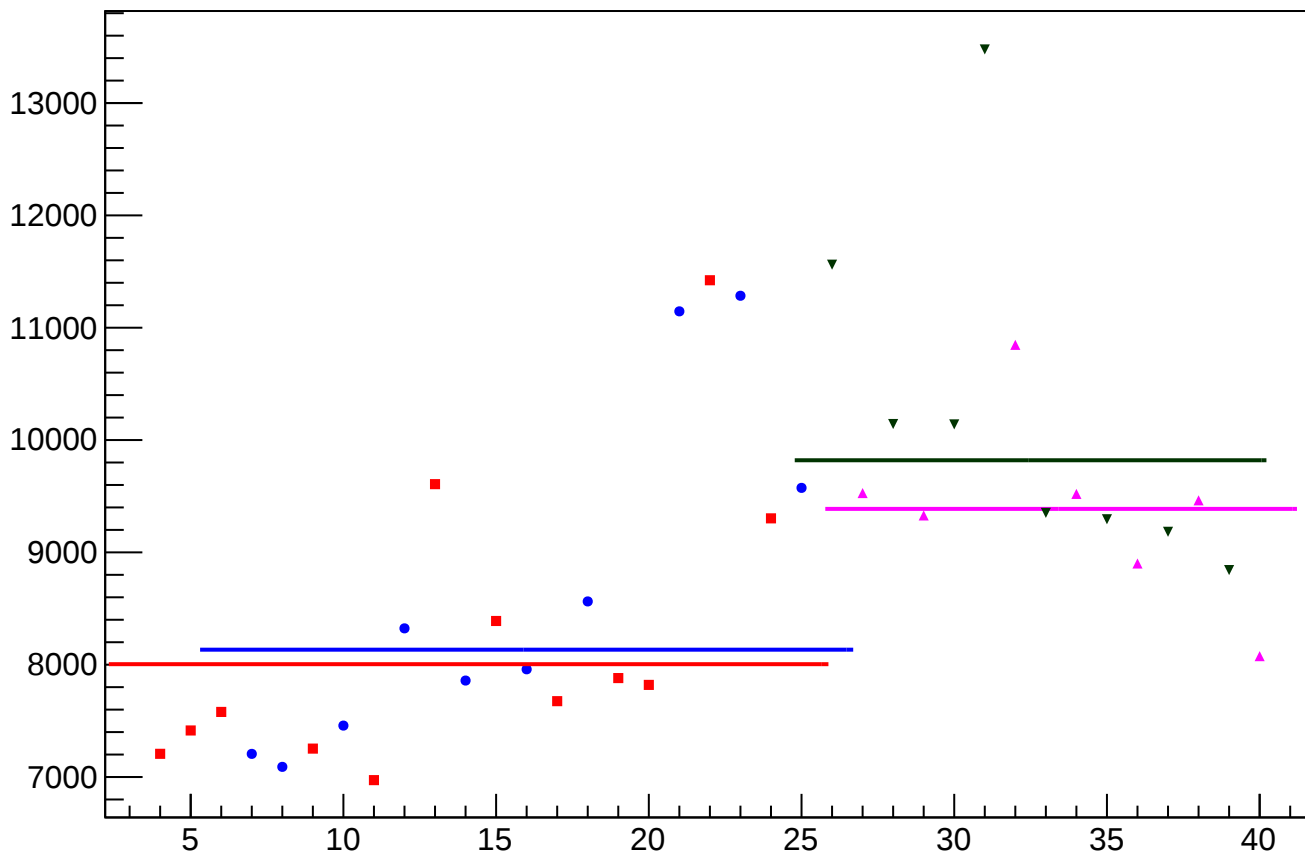
Right Out: 9.254 ± 3.190 χ^2/NDF : 12.1/11

Left In: -10.603 ± 4.405 χ^2/NDF : 7.9/6

0.775 ± 2.672 χ^2/NDF : 12.4/17

2.423 ± 2.583 χ^2/NDF : 33.3/18

diff_bpm1X_rms vs slug



Right In: 8133.661+/-2.283 χ^2/NDF : 267771.2/9

Left Out: 9819.966+/-3.365 χ^2/NDF :104961.7/7

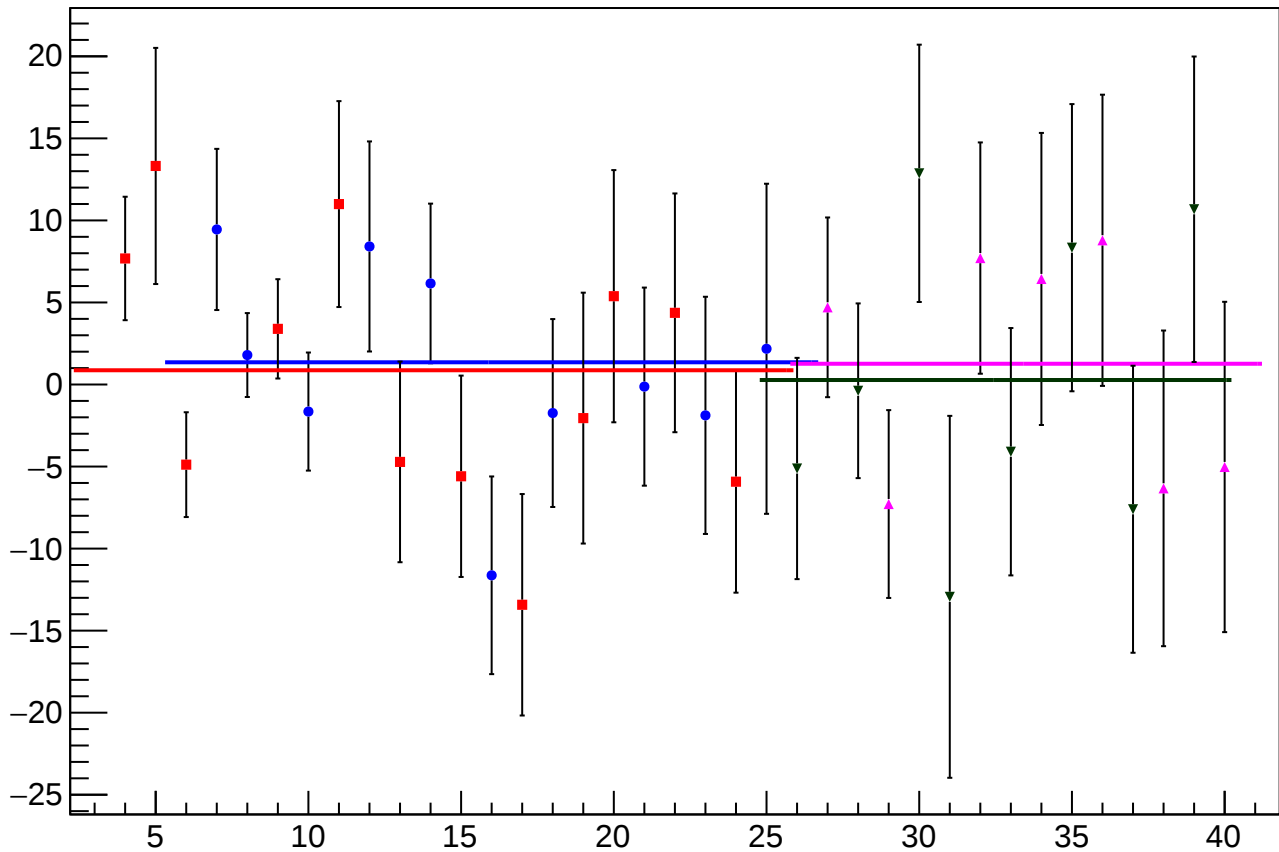
Right Out: 8004.585+/-2.255 χ^2/NDF : 232190.6/11

Left In: 9387.074+/-3.115 χ^2/NDF :61218.1/6

8665.281+/-1.889 χ^2/NDF : 544678.0/17

8480.168+/-1.827 χ^2/NDF : 422650.9/18

diff_bpm1Y_mean vs slug



Right In: 1.354 ± 1.486 χ^2/NDF : 10.8/9

Left Out: 0.274 ± 2.701 χ^2/NDF : 7.9/7

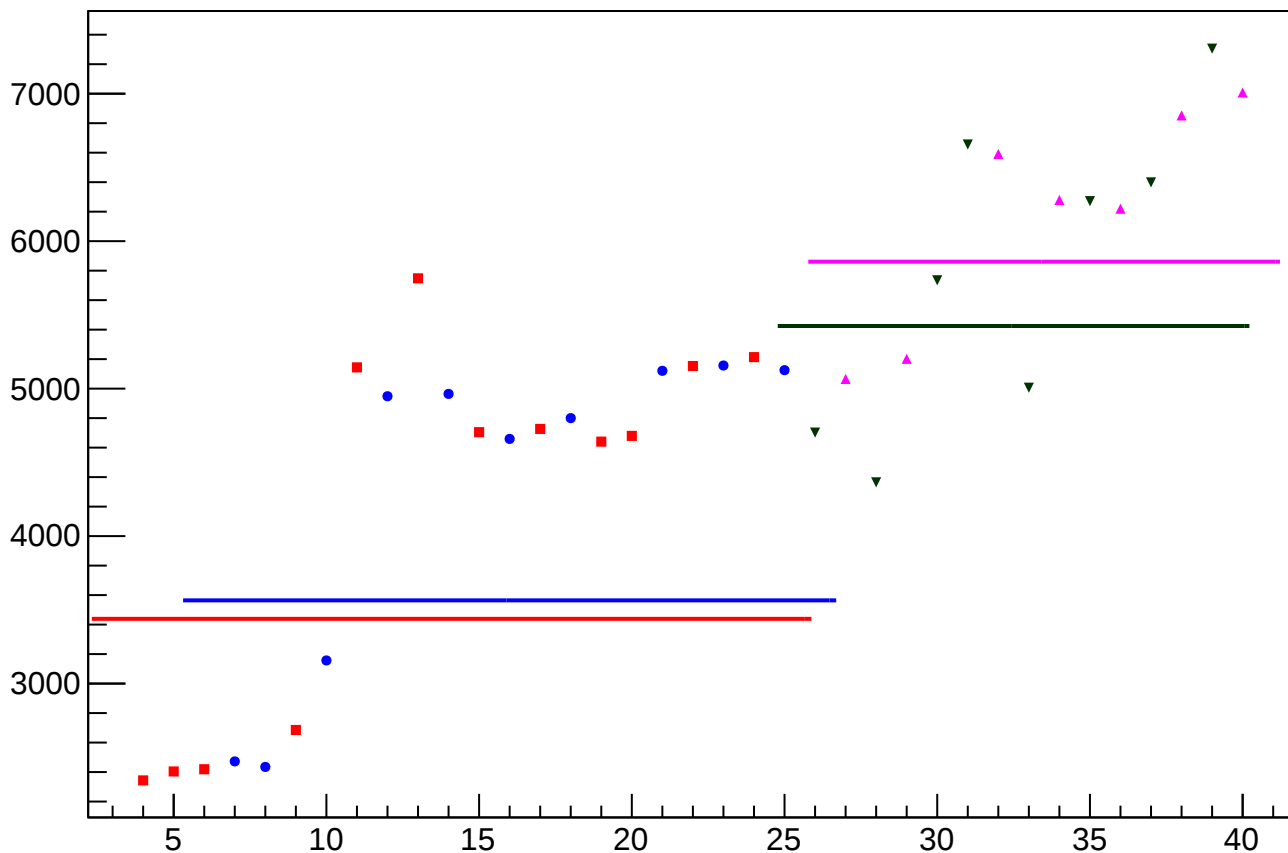
Right Out: 0.868 ± 1.454 χ^2/NDF : 21.0/11

Left In: 1.265 ± 2.773 χ^2/NDF : 5.5/6

1.103 ± 1.302 χ^2/NDF : 18.9/17

0.954 ± 1.288 χ^2/NDF : 26.5/18

diff_bpm1Y_rms vs slug



Right In: 3564.243+/-1.051 χ^2/NDF : 1211443.4/9

Left Out: 5424.638+/-1.910 χ^2/NDF : 261659.1/7

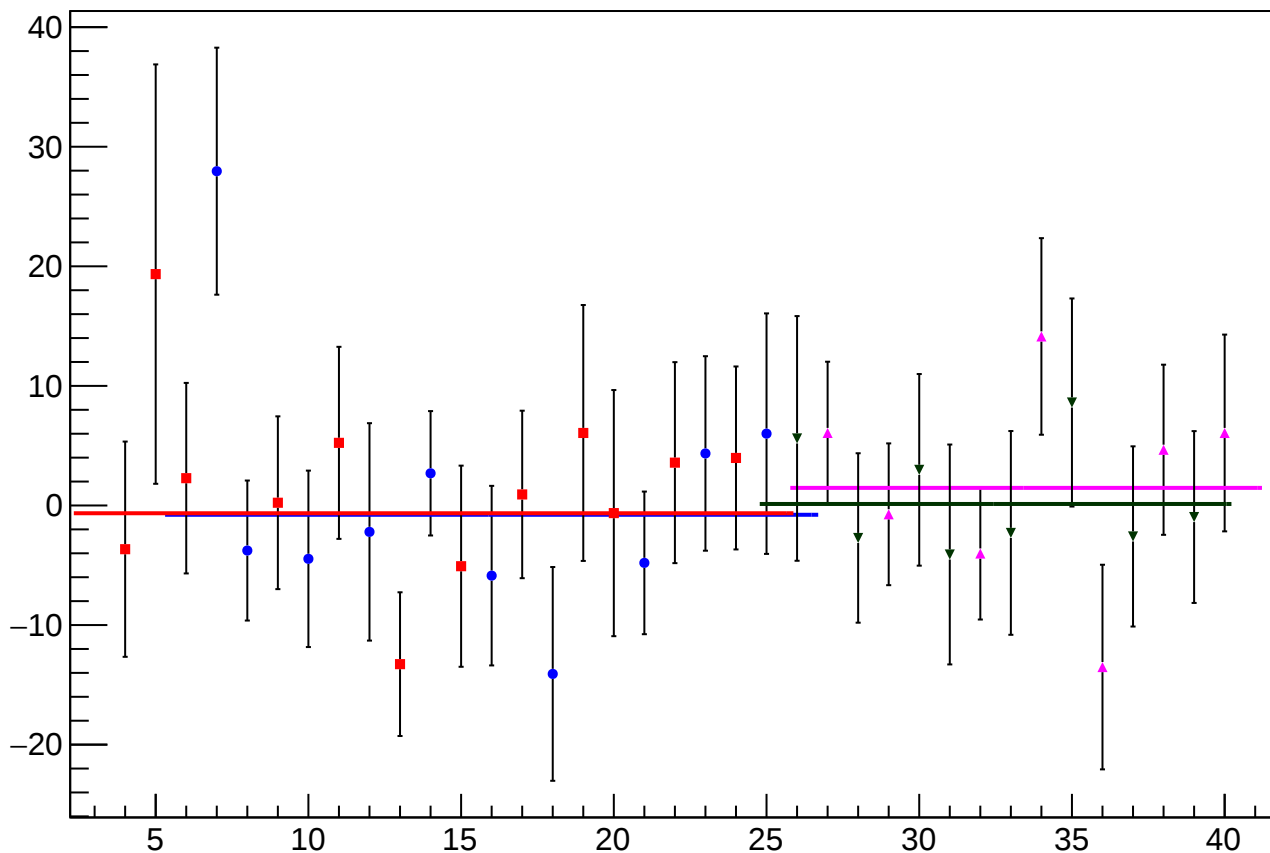
Right Out: 3439.033+/-1.028 χ^2/NDF : 1480366.2/11

Left In: 5860.779+/-1.961 χ^2/NDF : 145125.3/6

3996.456+/-0.921 χ^2/NDF : 2201365.3/17

3961.395+/-0.911 χ^2/NDF : 2821571.1/18

diff_bpm11X_mean vs slug



Right In: -0.778 ± 2.298 χ^2/NDF : 12.7/9

Left Out: 0.126 ± 2.877 χ^2/NDF : 2.0/7

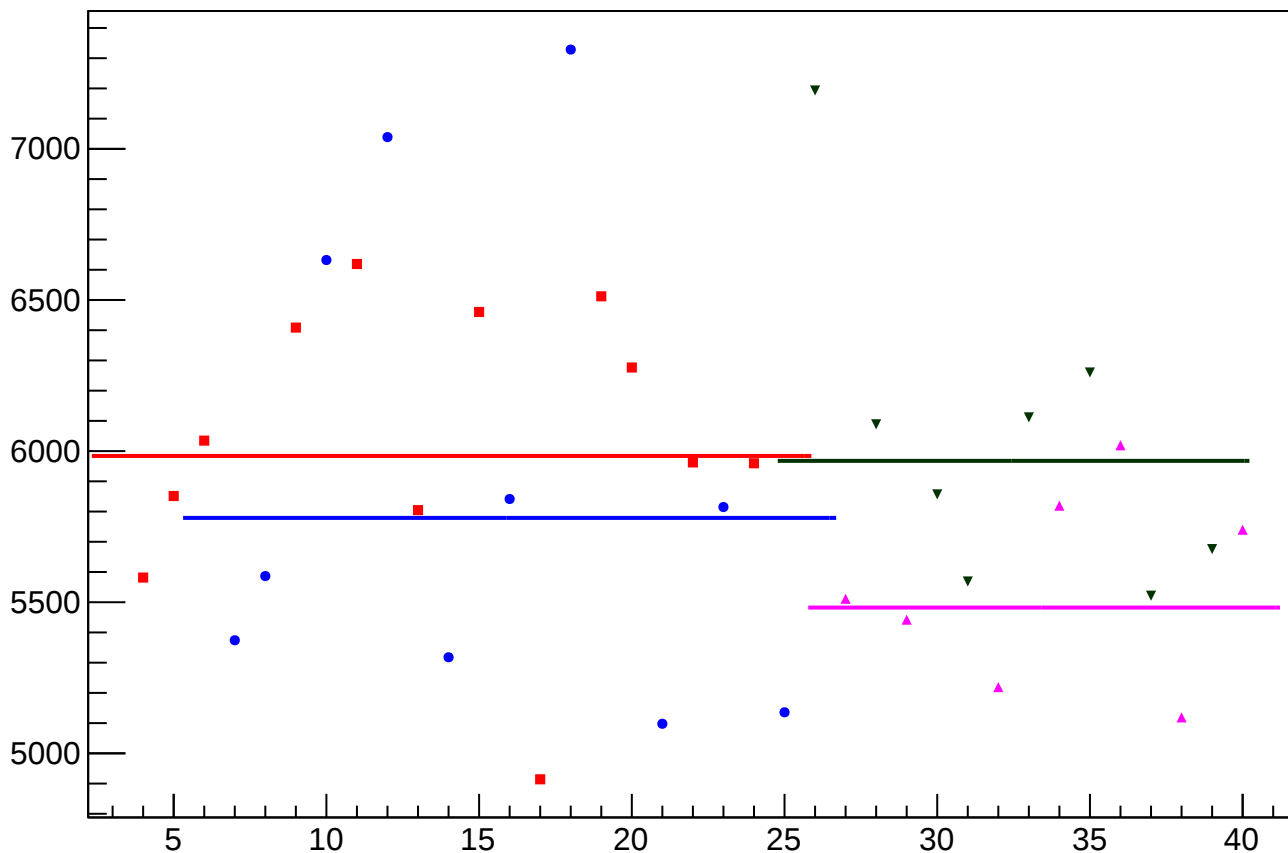
Right Out: -0.650 ± 2.373 χ^2/NDF : 7.8/11

Left In: 1.471 ± 2.561 χ^2/NDF : 7.7/6

-0.426 ± 1.795 χ^2/NDF : 14.7/17

0.329 ± 1.741 χ^2/NDF : 15.9/18

diff_bpm11X_rms vs slug



Right In: 5779.030+/-1.625 χ^2/NDF : 180676.8/9

Left Out: 5967.733+/-2.034 χ^2/NDF : 46573.1/7

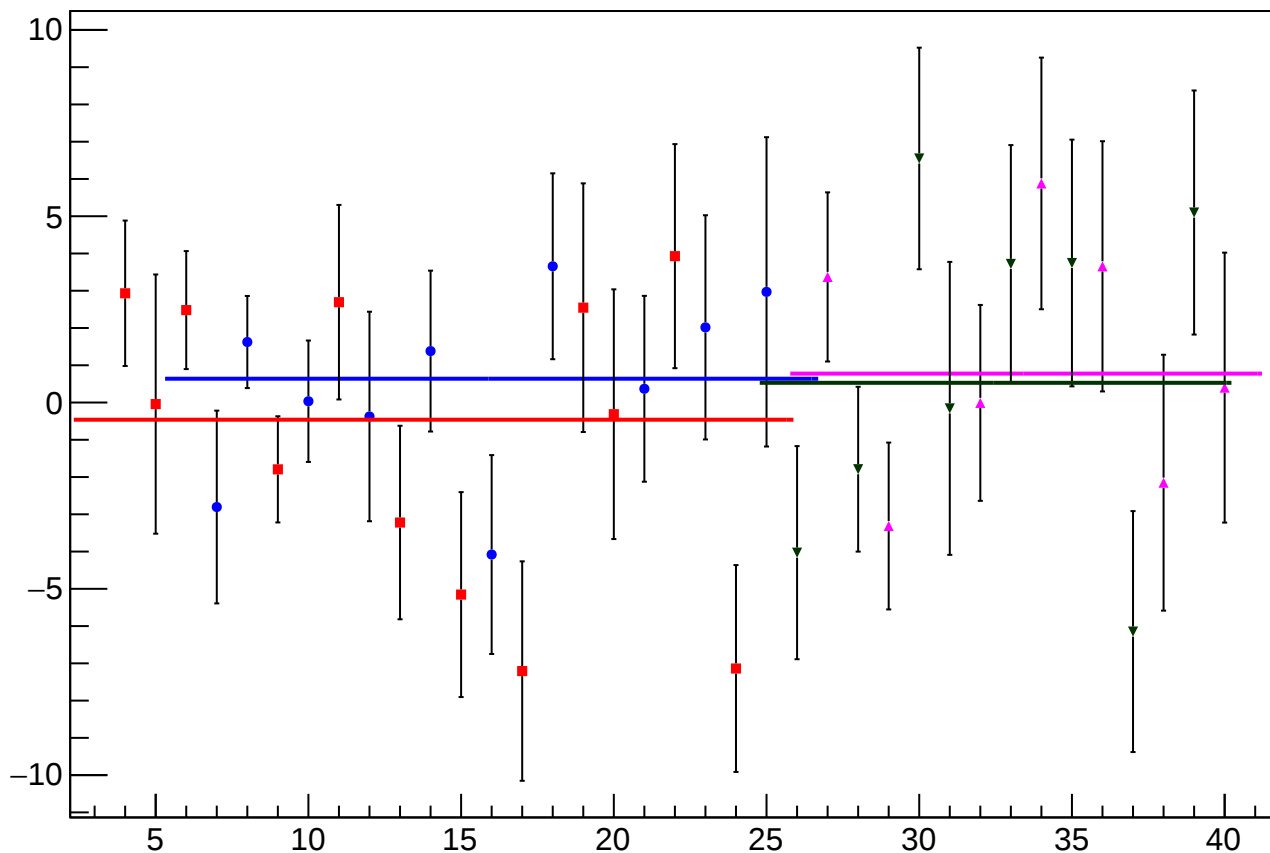
Right Out: 5983.998+/-1.678 χ^2/NDF : 85007.6/11

Left In: 5482.305+/-1.811 χ^2/NDF : 23101.7/6

5852.545+/-1.270 χ^2/NDF : 232503.7/17

5752.312+/-1.231 χ^2/NDF : 149407.2/18

diff_bpm11Y_mean vs slug



Right In: 0.639 ± 0.682 $\chi^2/\text{NDF}: 7.9/9$

Left Out: 0.529 ± 1.064 $\chi^2/\text{NDF}: 15.9/7$

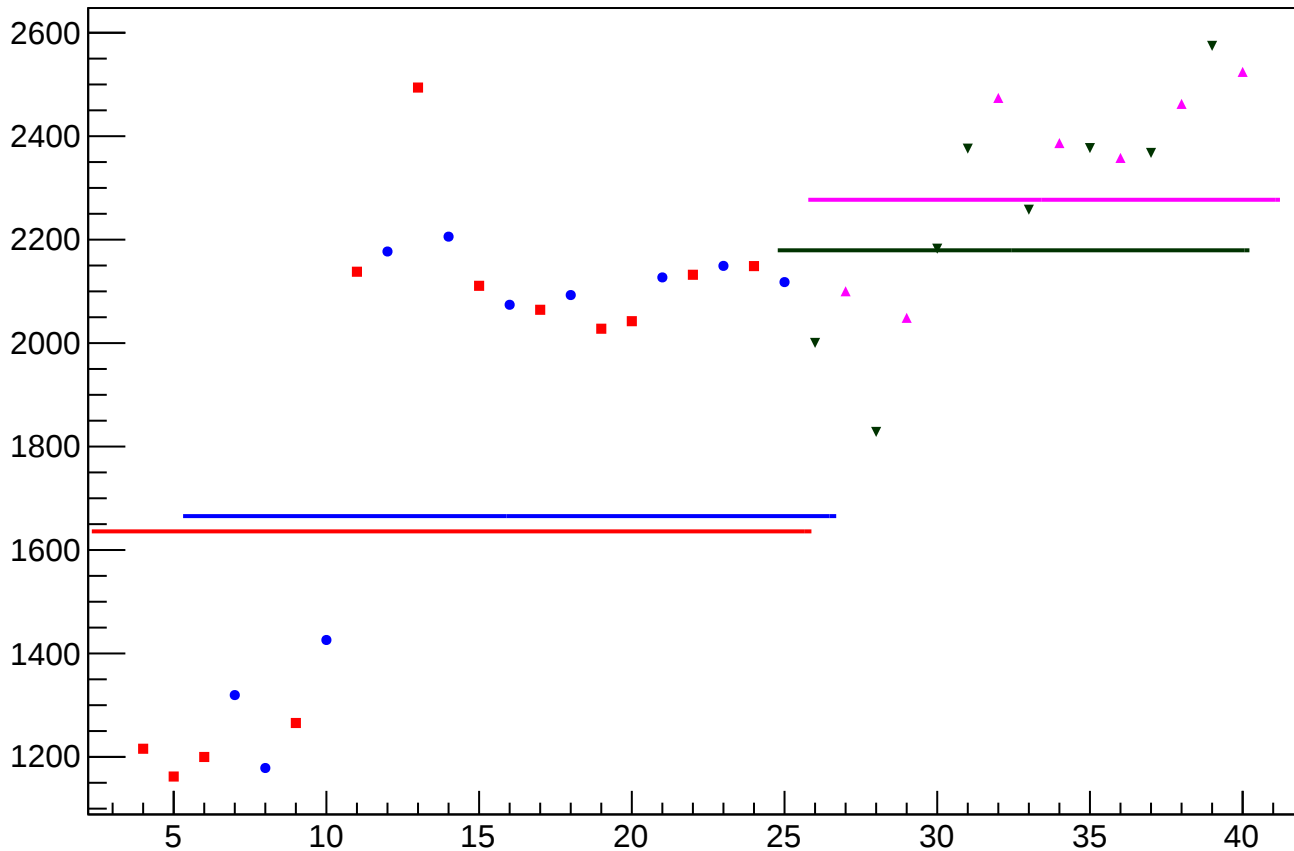
Right Out: -0.461 ± 0.674 $\chi^2/\text{NDF}: 26.8/11$

Left In: 0.776 ± 1.069 $\chi^2/\text{NDF}: 8.5/6$

0.607 ± 0.574 $\chi^2/\text{NDF}: 23.9/17$

-0.109 ± 0.570 $\chi^2/\text{NDF}: 36.3/18$

diff_bpm11Y_rms vs slug



Right In: 1665.539+/-0.482 χ^2/NDF : 830367.8/9

Left Out: 2179.404+/-0.753 χ^2/NDF :107475.3/7

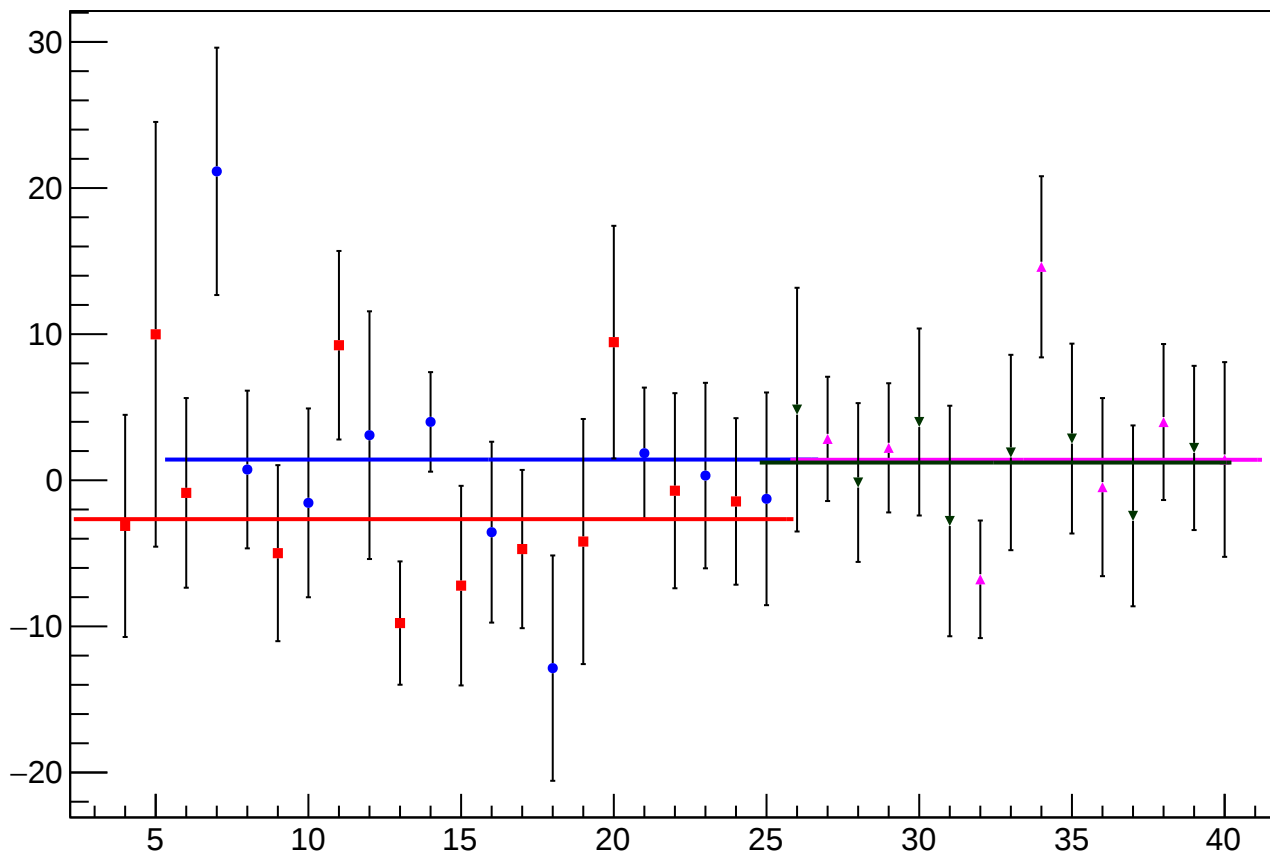
1815.028+/-0.406 χ^2/NDF : 1268468.5/17

Right Out: 1636.018+/-0.477 χ^2/NDF : 990659.4/11

1818.634+/-0.403 χ^2/NDF : 1567939.3/18

Left In: 2277.093+/-0.756 χ^2/NDF :62556.7/6

diff_bpm12X_mean vs slug



Right In: 1.418 ± 1.800 χ^2/NDF : 10.5/9

Left Out: 1.213 ± 2.279 χ^2/NDF : 1.2/7

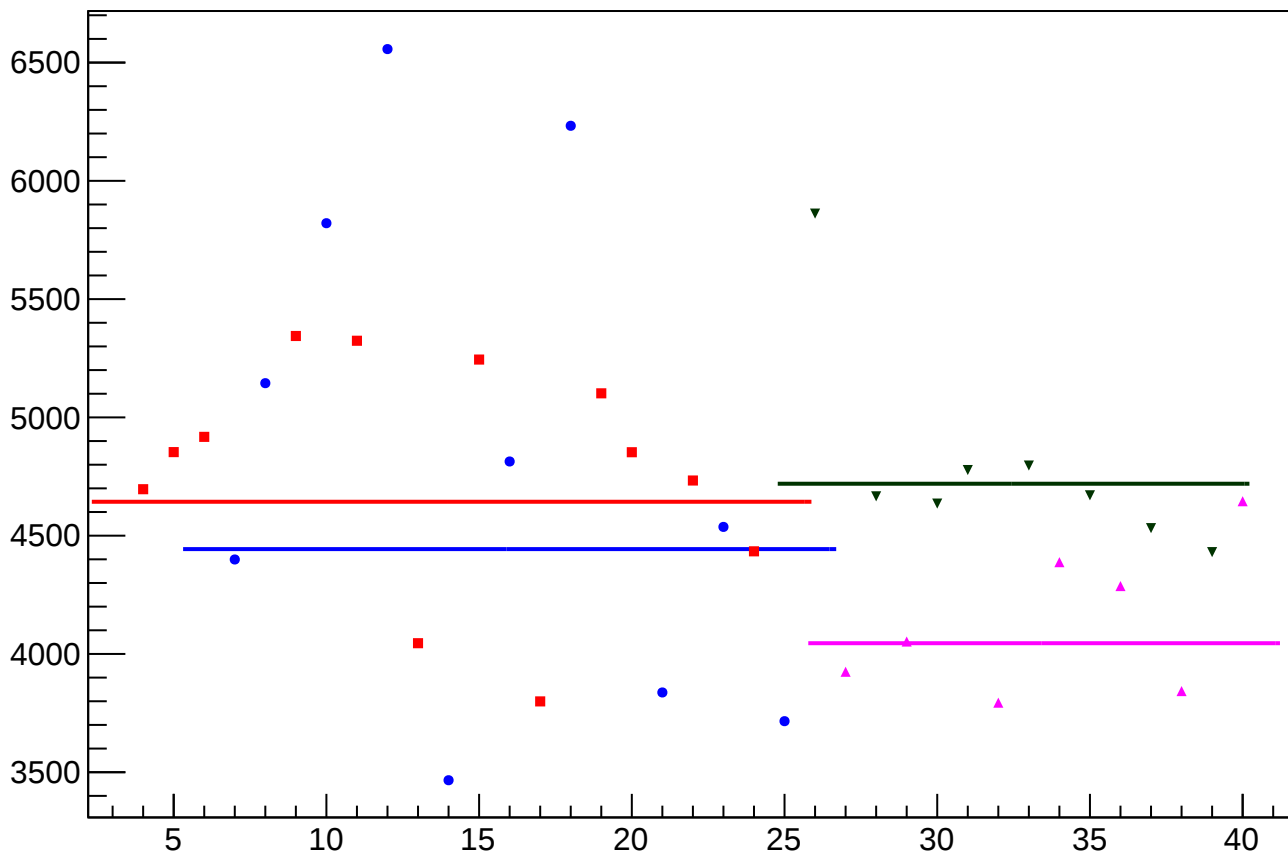
Right Out: -2.661 ± 1.850 χ^2/NDF : 10.3/11

Left In: 1.402 ± 1.894 χ^2/NDF : 9.1/6

1.339 ± 1.413 χ^2/NDF : 11.7/17

-0.677 ± 1.323 χ^2/NDF : 21.8/18

diff_bpm12X_rms vs slug



Right In: 4443.230+/-1.273 χ^2/NDF : 585369.1/9

Left Out: 4719.575+/-1.611 χ^2/NDF : 45652.4/7

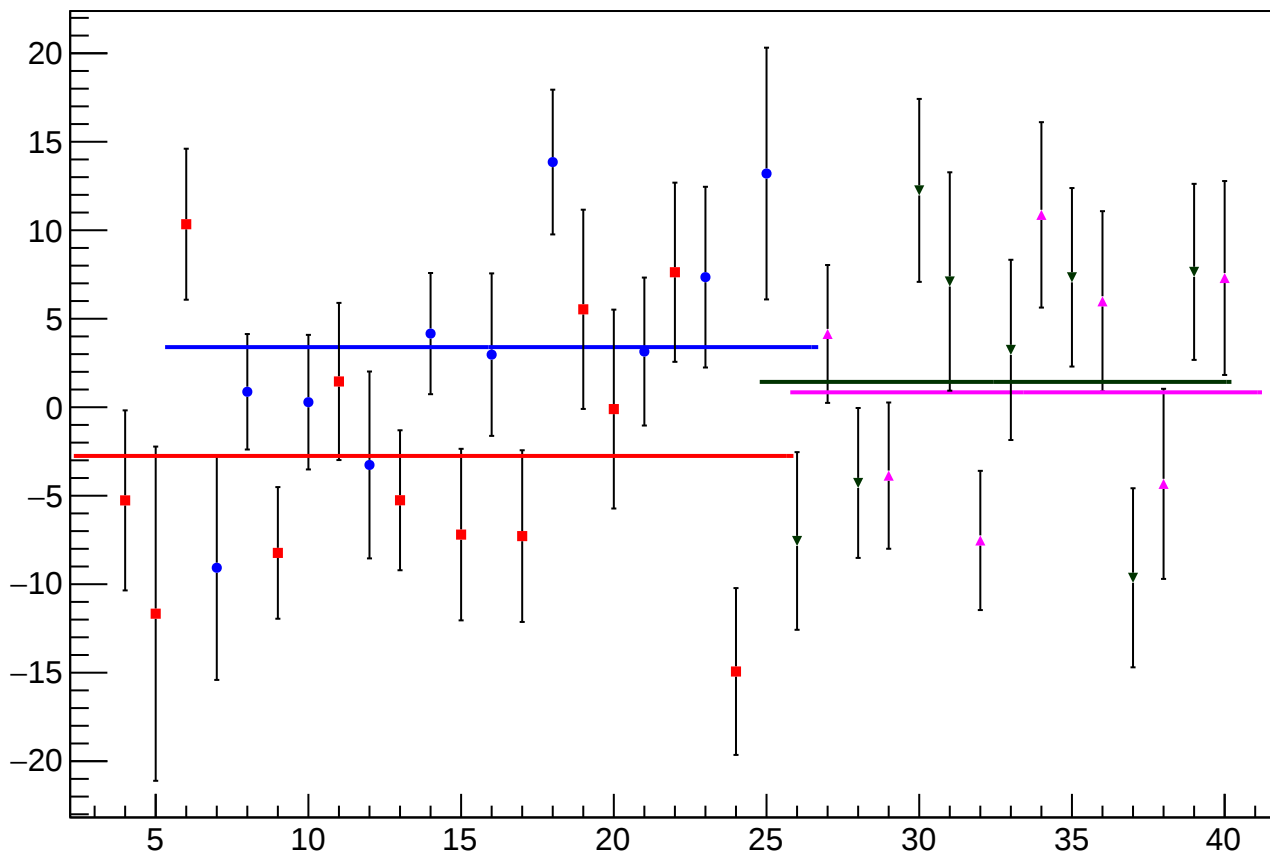
Right Out: 4643.387+/-1.308 χ^2/NDF : 168050.7/11

Left In: 4045.398+/-1.339 χ^2/NDF : 37773.2/6

4549.423+/-0.999 χ^2/NDF : 649129.8/17

4351.437+/-0.936 χ^2/NDF : 307864.2/18

diff_bpm12Y_mean vs slug



Right In: 3.397 ± 1.371 $\chi^2/\text{NDF}: 15.8/9$

Left Out: 1.432 ± 1.777 $\chi^2/\text{NDF}: 18.1/7$

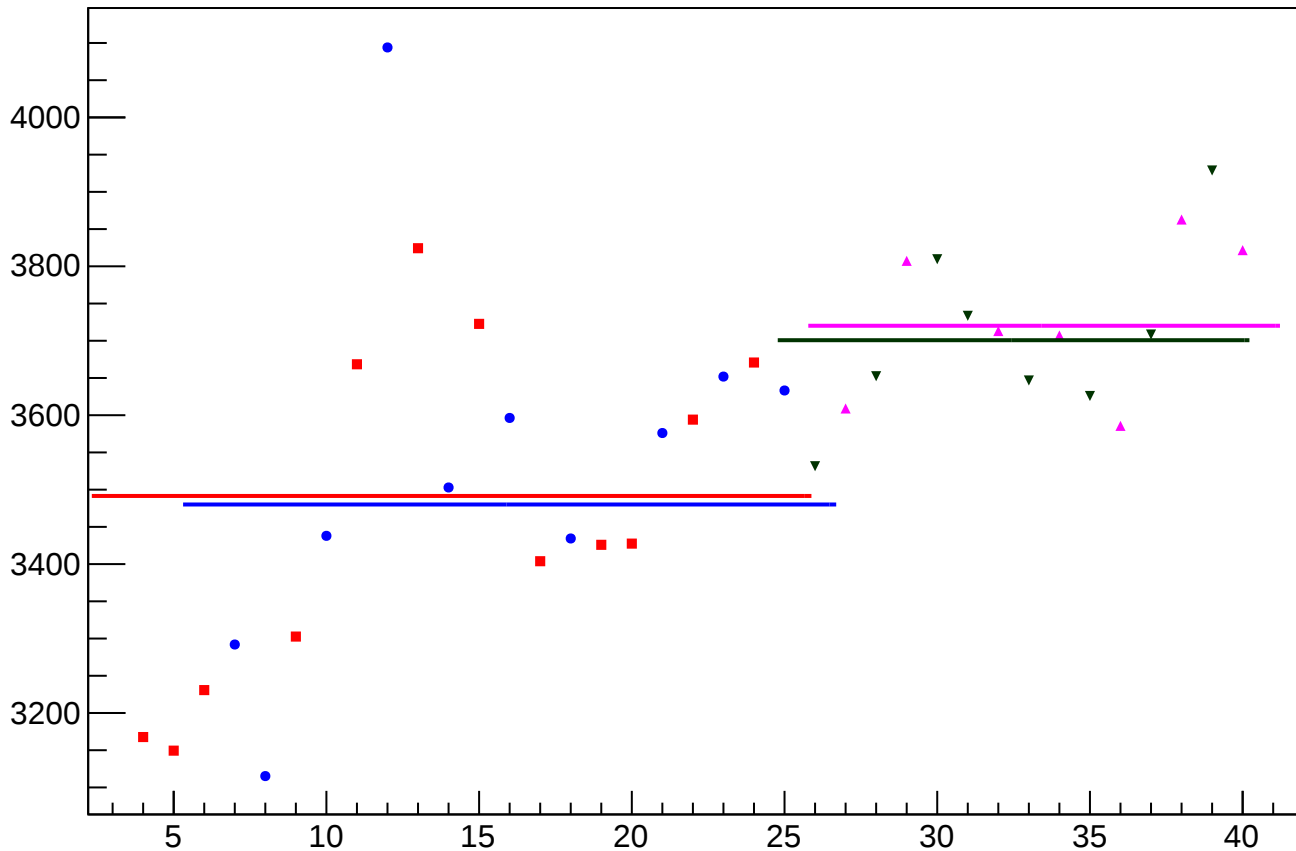
Right Out: -2.752 ± 1.381 $\chi^2/\text{NDF}: 29.0/11$

Left In: 0.842 ± 1.735 $\chi^2/\text{NDF}: 13.5/6$

2.663 ± 1.086 $\chi^2/\text{NDF}: 34.7/17$

-1.358 ± 1.081 $\chi^2/\text{NDF}: 45.2/18$

diff_bpm12Y_rms vs slug



Right In: 3480.066+/-0.970 χ^2/NDF : 59916.3/9

Left Out: 3700.749+/-1.257 χ^2/NDF : 8351.4/7

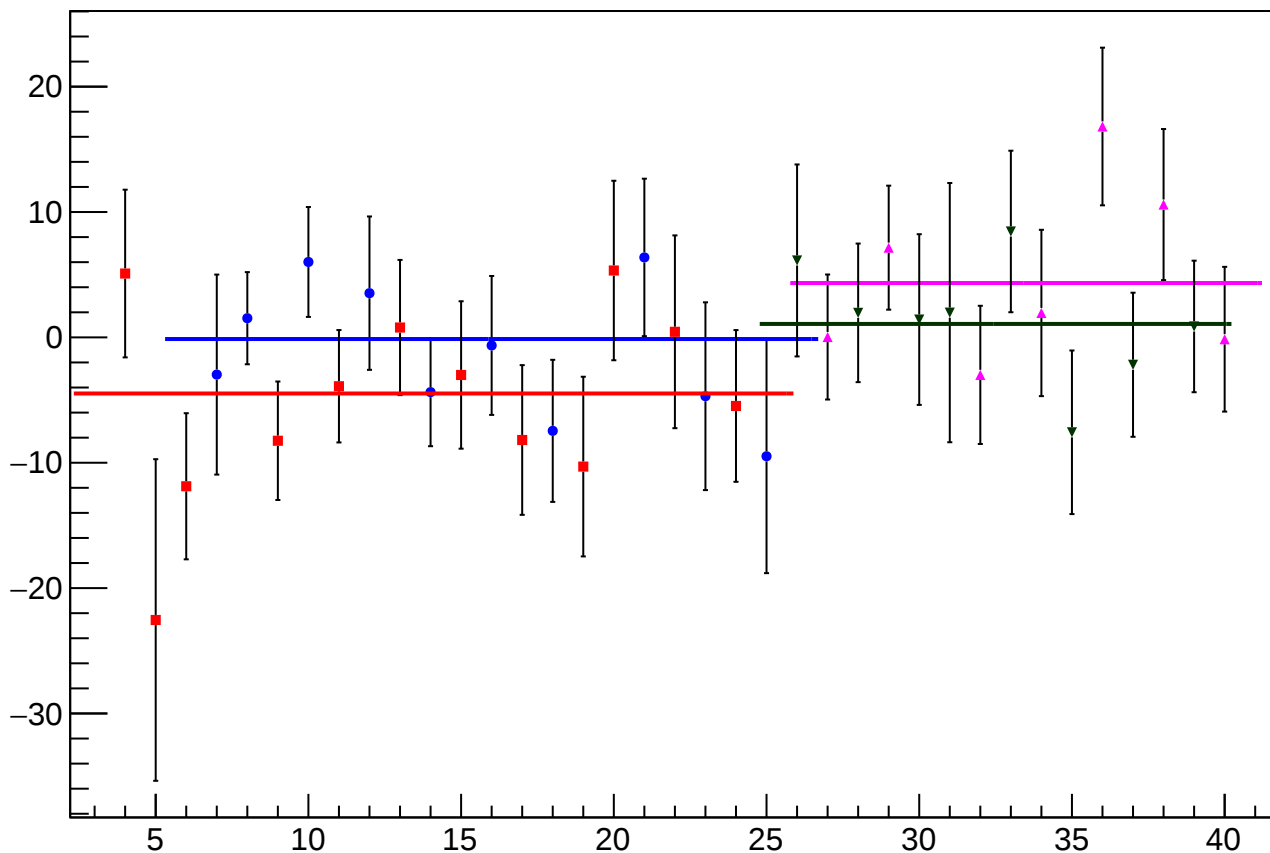
Right Out: 3491.537+/-0.977 χ^2/NDF : 50144.5/11

Left In: 3720.159+/-1.227 χ^2/NDF : 6029.0/6

3562.405+/-0.768 χ^2/NDF : 87593.6/17

3580.208+/-0.764 χ^2/NDF : 77423.1/18

diff_bpm16X_mean vs slug



Right In: -0.131 ± 1.713 $\chi^2/\text{NDF}: 7.7/9$

Left Out: 1.073 ± 2.265 $\chi^2/\text{NDF}: 3.9/7$

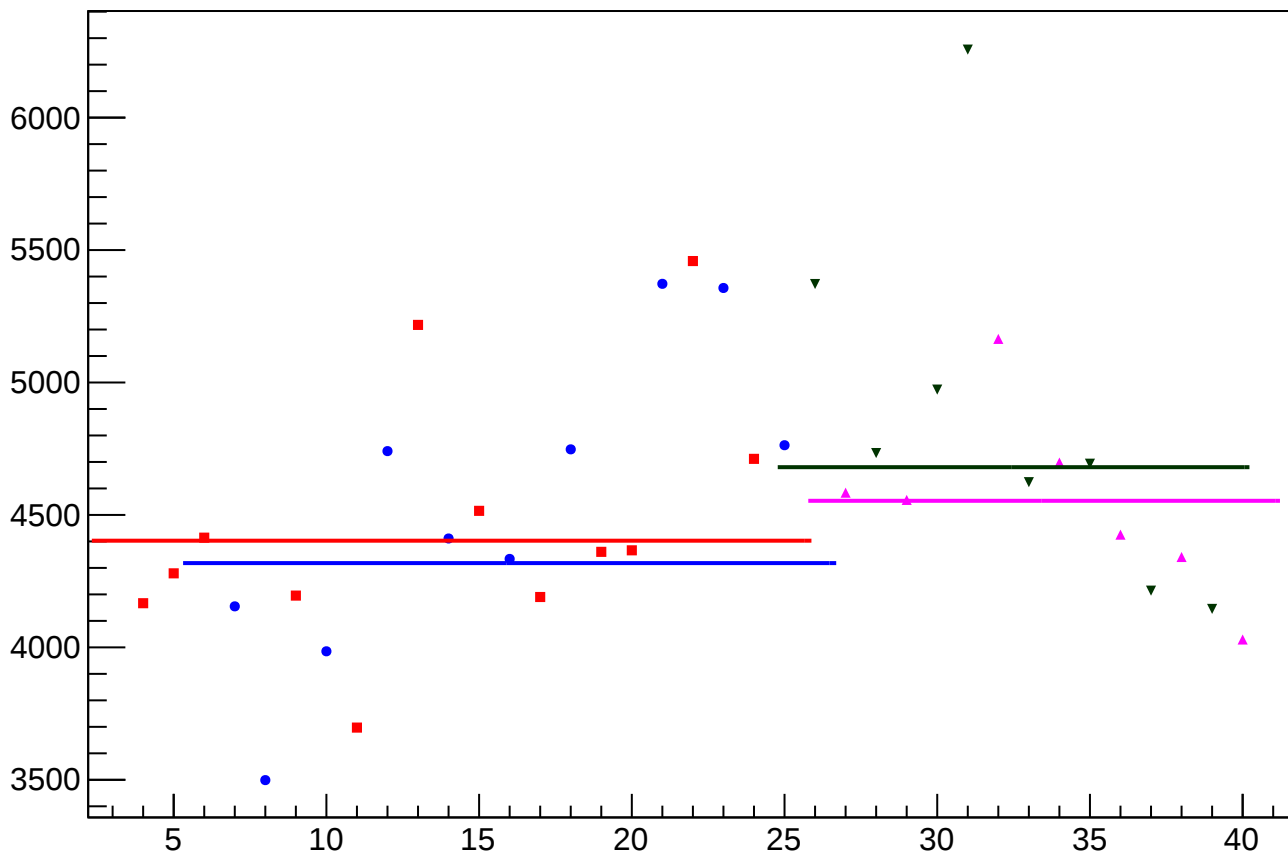
Right Out: -4.476 ± 1.749 $\chi^2/\text{NDF}: 10.7/11$

Left In: 4.337 ± 2.134 $\chi^2/\text{NDF}: 8.6/6$

0.307 ± 1.366 $\chi^2/\text{NDF}: 11.8/17$

-0.936 ± 1.353 $\chi^2/\text{NDF}: 29.5/18$

diff_bpm16X_rms vs slug



Right In: 4318.170+/-1.212 χ^2/NDF : 233125.4/9

Left Out: 4680.299+/-1.602 χ^2/NDF :100819.2/7

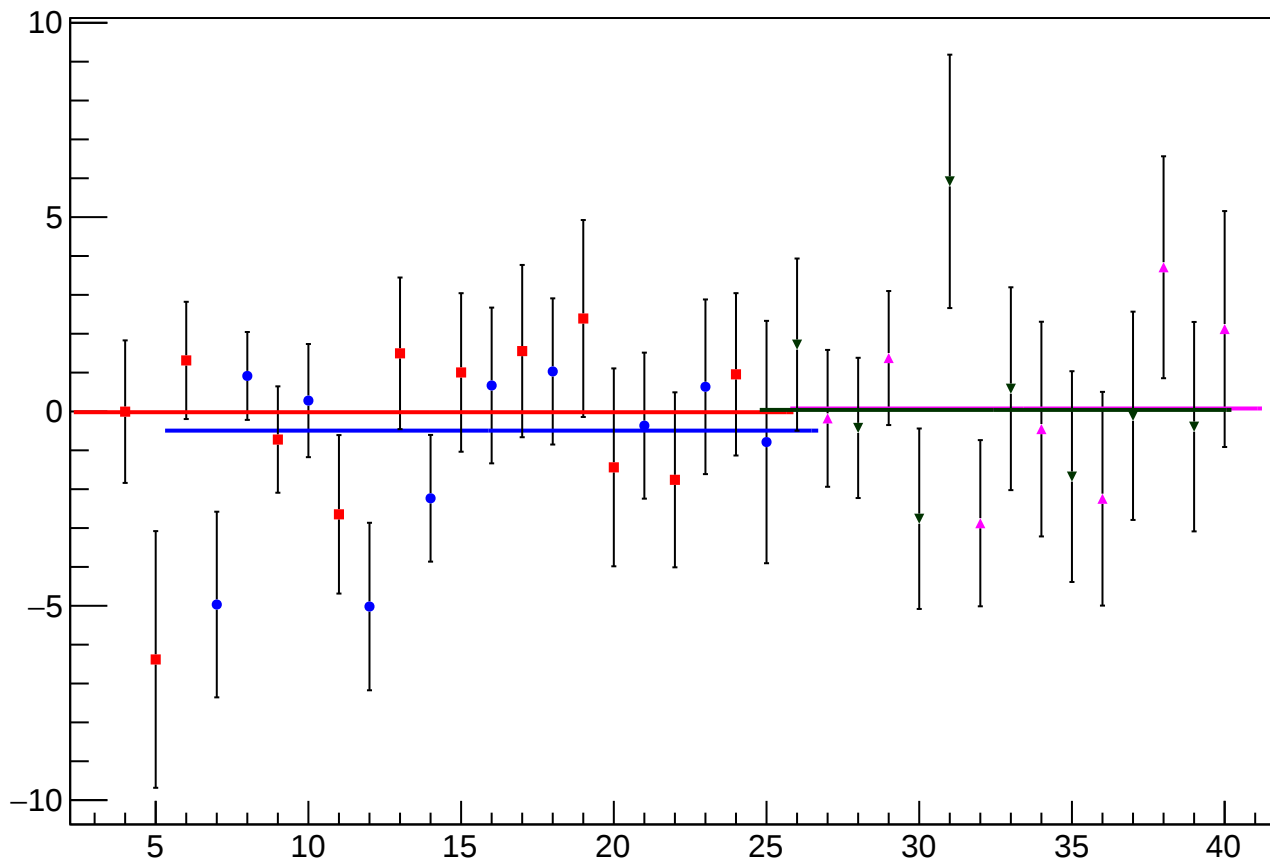
Right Out: 4402.778+/-1.237 χ^2/NDF : 148052.0/11

Left In: 4553.360+/-1.509 χ^2/NDF :45381.1/6

4449.969+/-0.966 χ^2/NDF : 366461.4/17

4463.272+/-0.956 χ^2/NDF : 199390.4/18

diff_bpm16Y_mean vs slug



Right In: -0.493 ± 0.565 χ^2/NDF : 12.1/9

Left Out: 0.040 ± 0.861 χ^2/NDF : 5.8/7

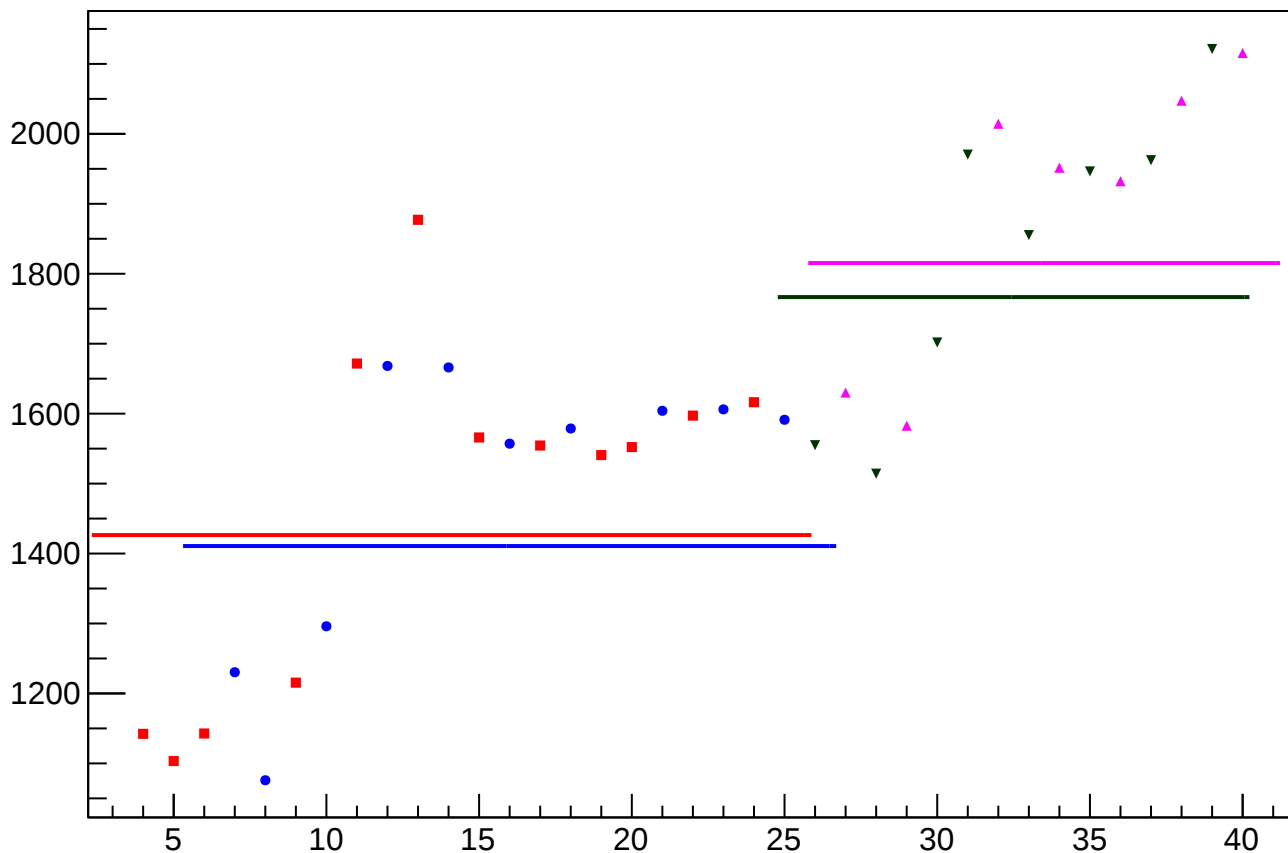
Right Out: -0.019 ± 0.573 χ^2/NDF : 9.8/11

Left In: 0.077 ± 0.854 χ^2/NDF : 5.3/6

-0.333 ± 0.472 χ^2/NDF : 18.2/17

0.011 ± 0.476 χ^2/NDF : 15.1/18

diff_bpm16Y_rms vs slug



Right In: 1410.712 ± 0.399 χ^2/NDF : 346456.4/9

Left Out: 1766.654 ± 0.608 χ^2/NDF : 123210.0/7

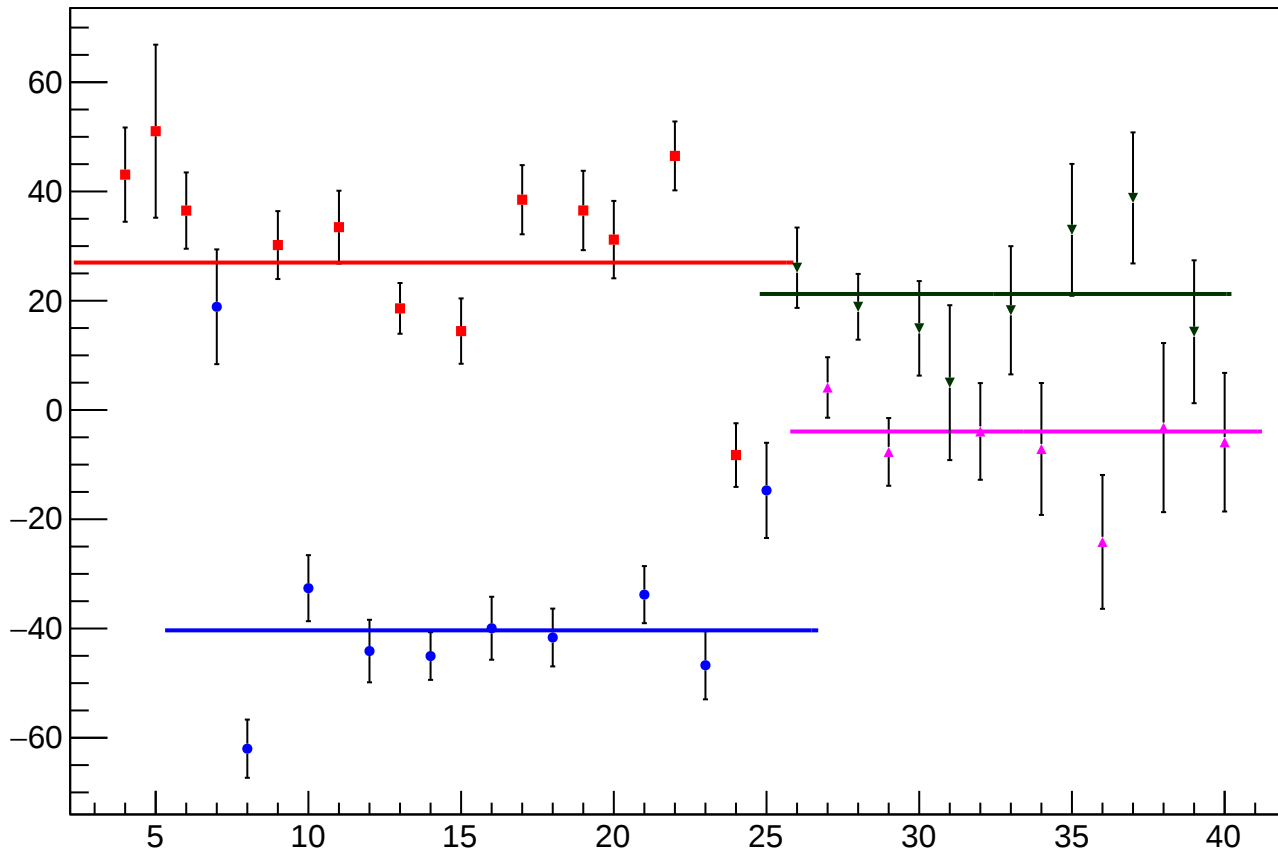
Right Out: 1426.417 ± 0.405 χ^2/NDF : 374185.0/11

Left In: 1815.333 ± 0.604 χ^2/NDF : 117140.8/6

1517.828 ± 0.334 χ^2/NDF : 708887.5/17

1547.193 ± 0.336 χ^2/NDF : 777513.7/18

diff_bpm0l01X_mean vs slug



Right In: -40.337 ± 1.838 χ^2/NDF : 62.9/9

Left Out: 21.238 ± 3.309 χ^2/NDF : 5.9/7

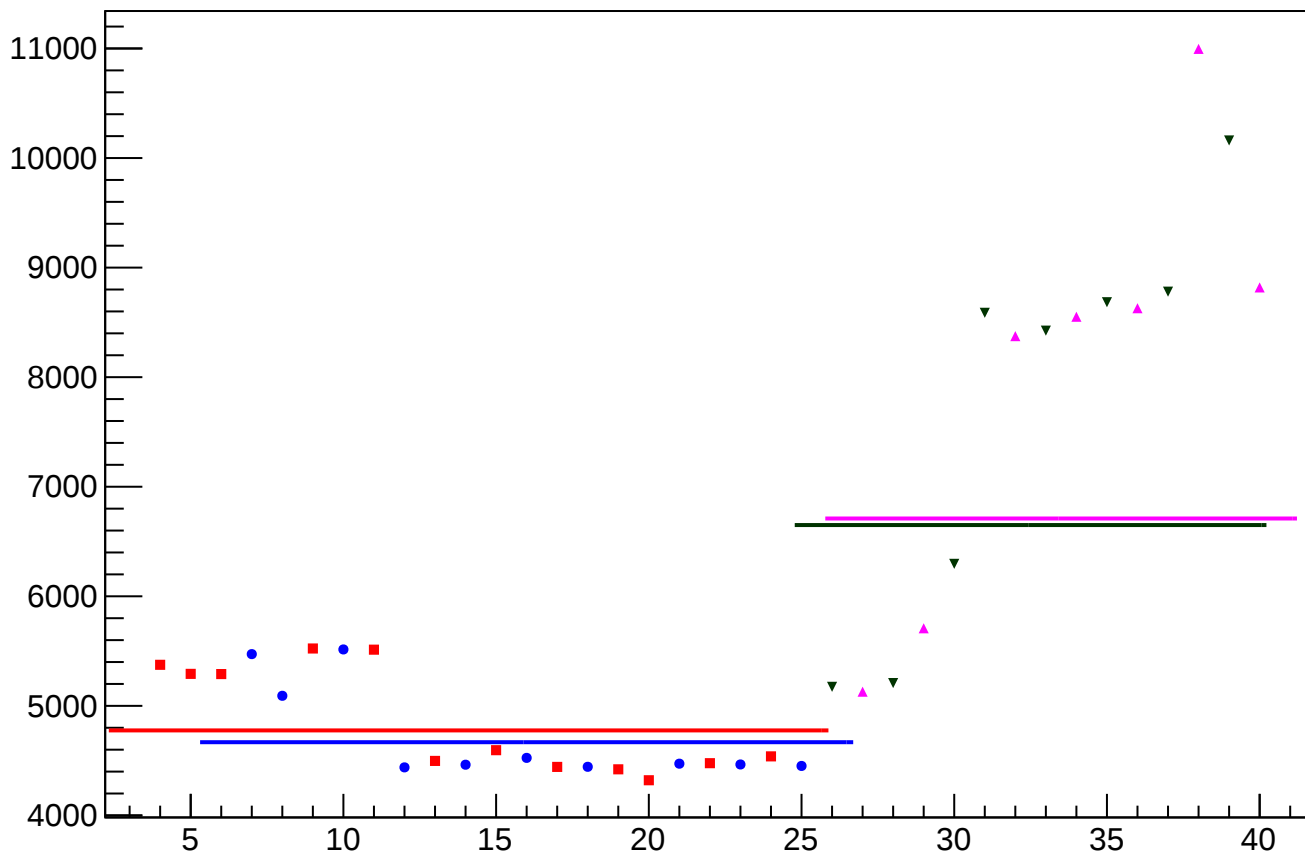
Right Out: 26.988 ± 1.893 χ^2/NDF : 68.1/11

Left In: -3.937 ± 3.238 χ^2/NDF : 5.3/6

-25.818 ± 1.607 χ^2/NDF : 333.4/17

19.112 ± 1.634 χ^2/NDF : 141.3/18

diff_bpm0l01X_rms vs slug



Right In: 4668.263+/-1.300 χ^2/NDF : 82261.6/9

Left Out: 6650.259+/-2.340 χ^2/NDF : 545850.2/7

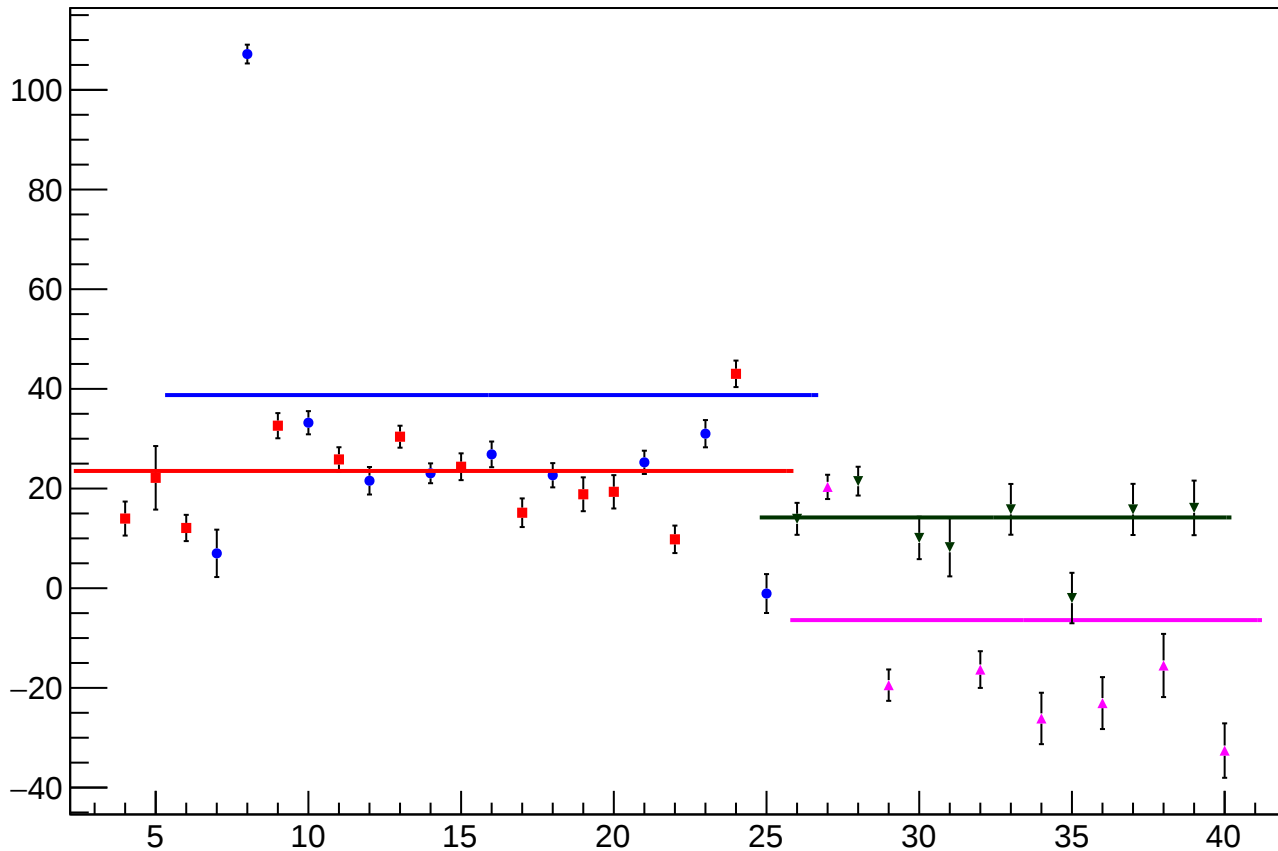
Right Out: 4775.916+/-1.339 χ^2/NDF : 111352.4/11

Left In: 6710.022+/-2.290 χ^2/NDF : 590398.6/6

5135.612+/-1.136 χ^2/NDF : 1176567.6/17

5268.464+/-1.156 χ^2/NDF : 1233464.7/18

diff_bpm0l01Y_mean vs slug



Right In: 38.757+/-0.792 $\chi^2/\text{NDF}: 1680.6/9$

Left Out: 14.201+/-1.490 $\chi^2/\text{NDF}: 18.9/7$

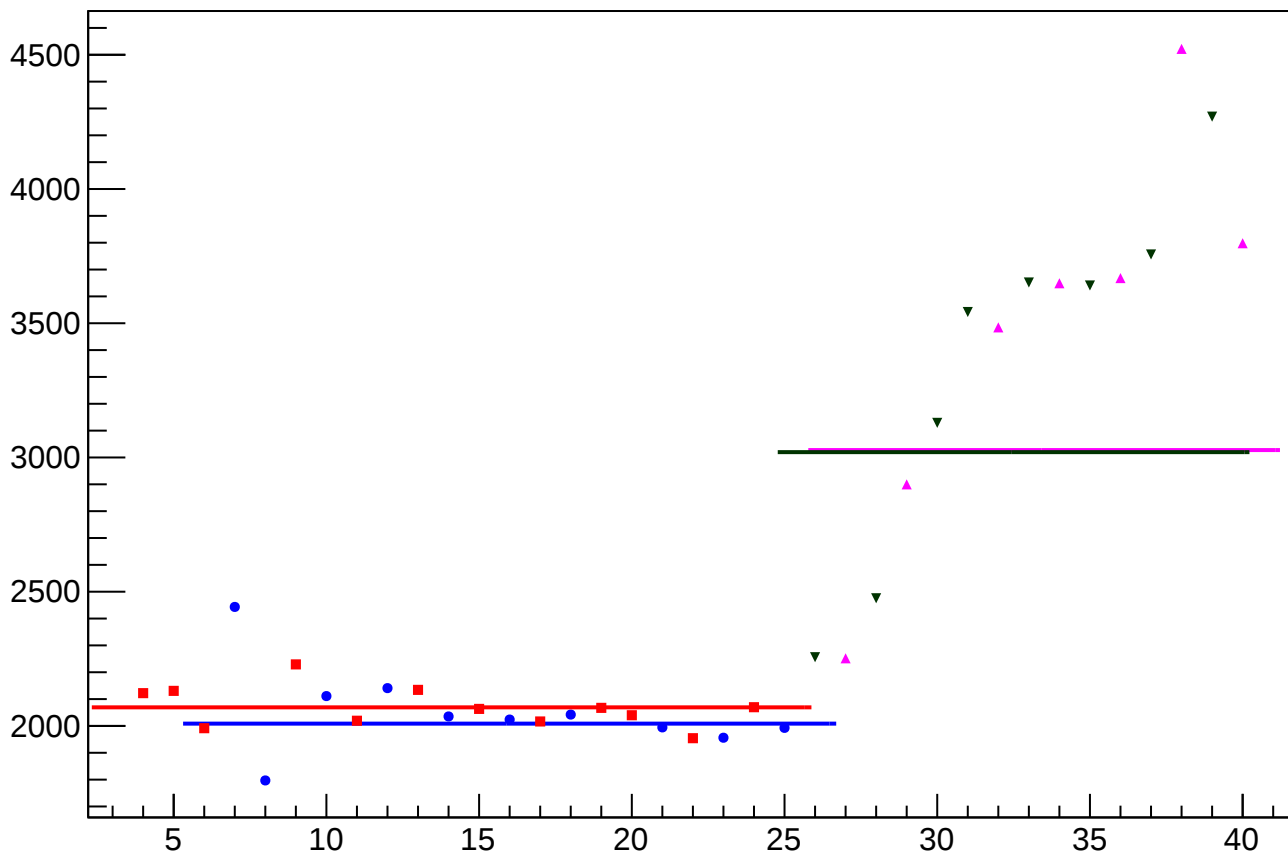
Right Out: 23.530+/-0.818 $\chi^2/\text{NDF}: 140.9/11$

Left In: -6.399+/-1.449 $\chi^2/\text{NDF}: 194.8/6$

33.352+/-0.699 $\chi^2/\text{NDF}: 1911.2/17$

16.294+/-0.713 $\chi^2/\text{NDF}: 658.9/18$

diff_bpm0l01Y_rms vs slug



Right In: 2008.589 $\pm$ 0.560 χ^2 /NDF: 52078.5/9

Left Out: 3019.876 $\pm$ 1.054 χ^2 /NDF: 407919.6/7

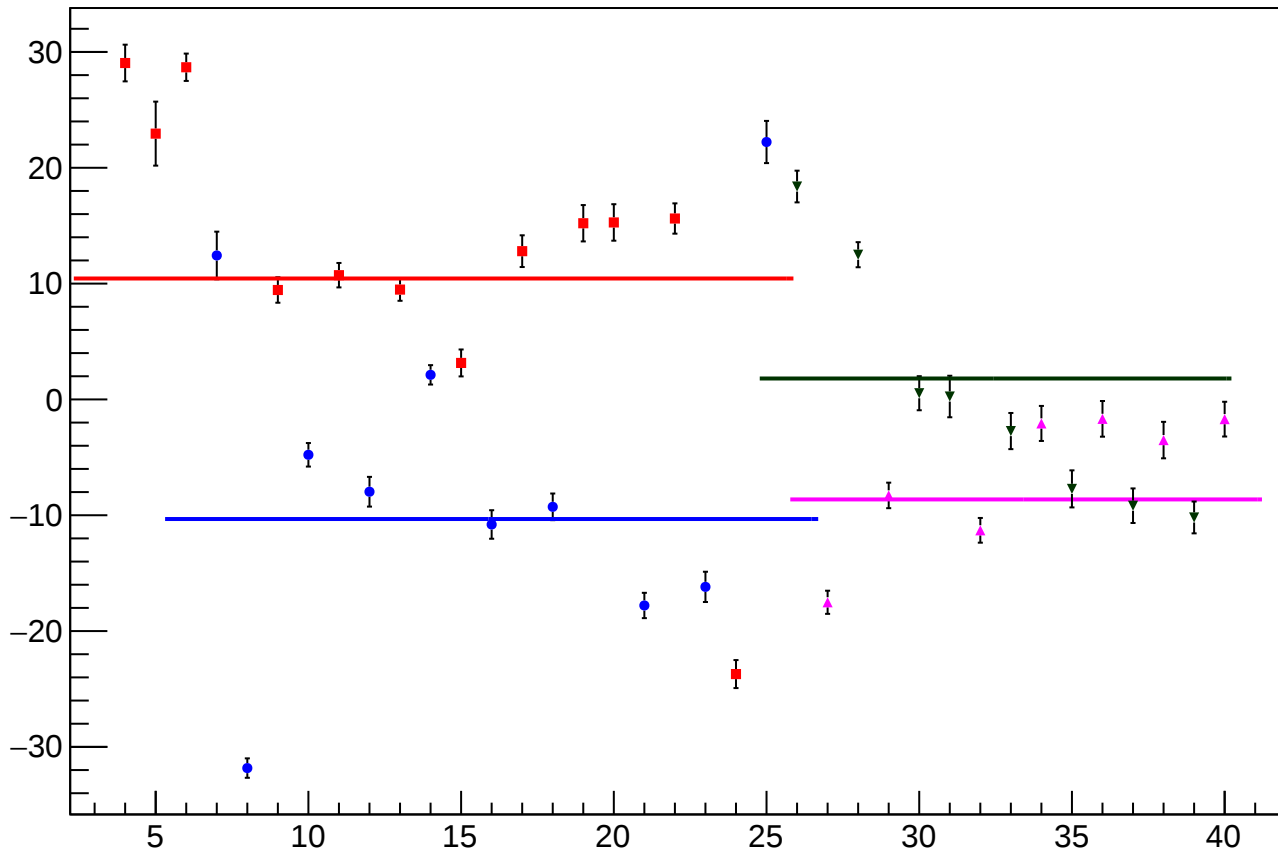
Right Out: 2069.229 $\pm$ 0.579 χ^2 /NDF: 17317.7/11

Left In: 3027.581 $\pm$ 1.025 χ^2 /NDF: 447127.7/6

2231.168 $\pm$ 0.494 χ^2 /NDF: 1178418.8/17

2300.913 $\pm$ 0.504 χ^2 /NDF: 1127356.2/18

diff_bpm2i01X_mean vs slug



Right In: -10.326 ± 0.358 χ^2/NDF : 1420.3/9

Left Out: 1.807 ± 0.504 χ^2/NDF : 419.9/7

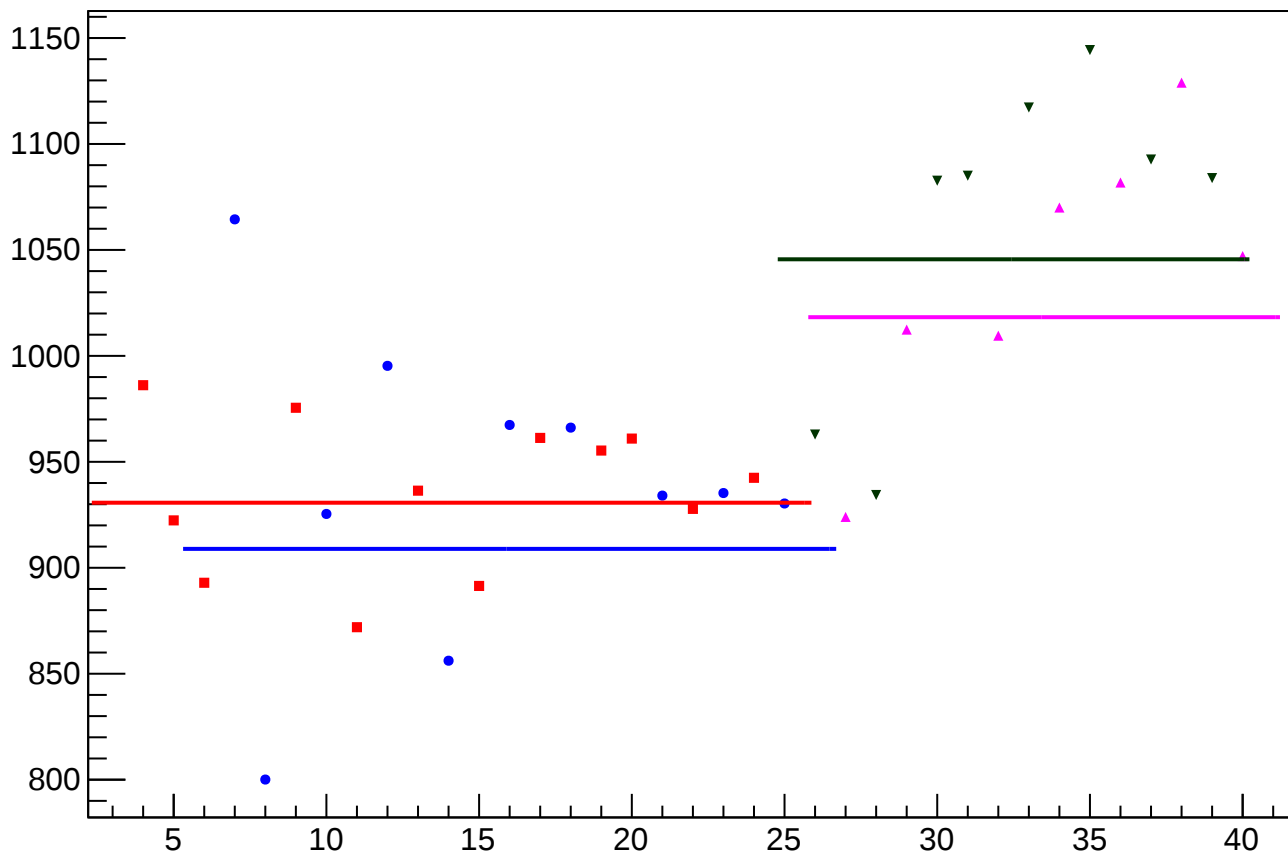
Right Out: 10.440 ± 0.368 χ^2/NDF : 1273.2/11

Left In: -8.634 ± 0.476 χ^2/NDF : 156.5/6

-6.253 ± 0.292 χ^2/NDF : 2225.5/17

3.313 ± 0.291 χ^2/NDF : 2434.6/18

diff_bpm2i01X_rms vs slug



Right In: 908.921+/-0.253 χ^2/NDF : 74231.9/9

Left Out: 1045.575+/-0.356 χ^2/NDF : 46001.4/7

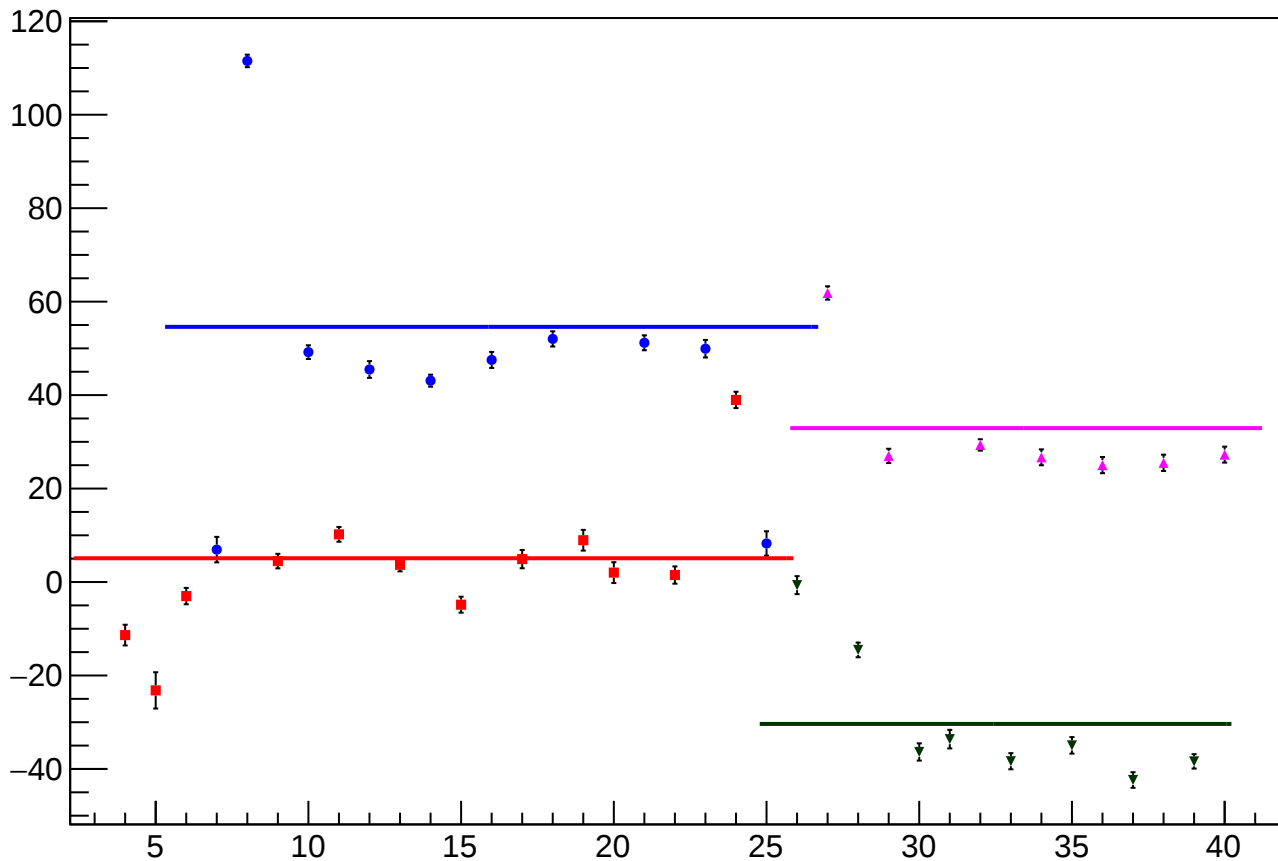
954.794+/-0.206 χ^2/NDF : 217983.5/17

Right Out: 930.706+/-0.260 χ^2/NDF : 18818.7/11

963.418+/-0.206 χ^2/NDF : 95506.9/18

Left In: 1018.256+/-0.337 χ^2/NDF : 34348.0/6

diff_bpm2i01Y_mean vs slug



Right In: 54.607 $\pm$ 0.526 χ^2 /NDF: 2569.1/9

Left Out: -30.364 $\pm$ 0.614 χ^2 /NDF: 458.6/7

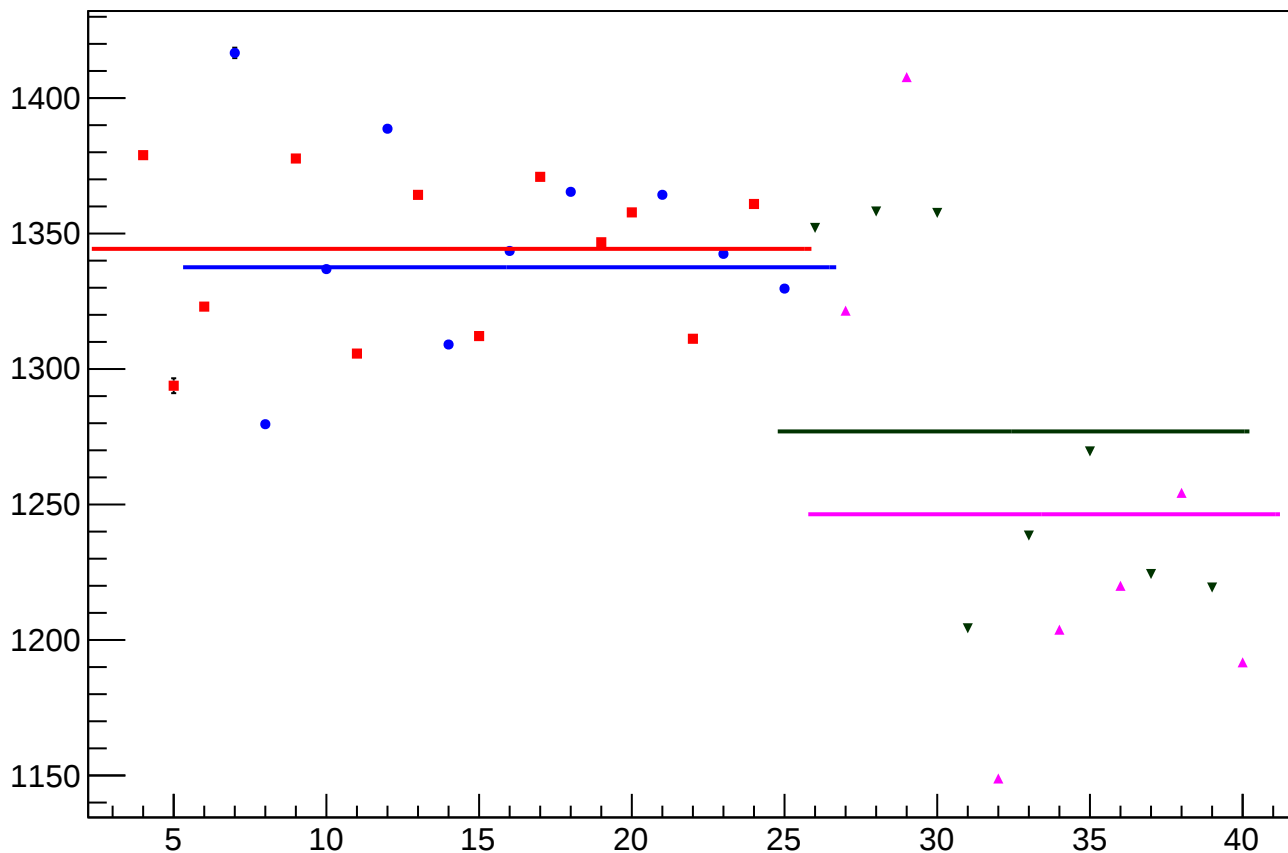
Right Out: 5.087 $\pm$ 0.532 χ^2 /NDF: 559.1/11

Left In: 32.936 $\pm$ 0.583 χ^2 /NDF: 496.9/6

18.638 $\pm$ 0.400 χ^2 /NDF: 14067.9/17

17.738 $\pm$ 0.393 χ^2 /NDF: 2302.3/18

diff_bpm2i01Y_rms vs slug



Right In: 1337.560 ± 0.372 $\chi^2/\text{NDF}: 9226.5/9$

Left Out: 1276.972 ± 0.434 $\chi^2/\text{NDF}: 20637.2/7$

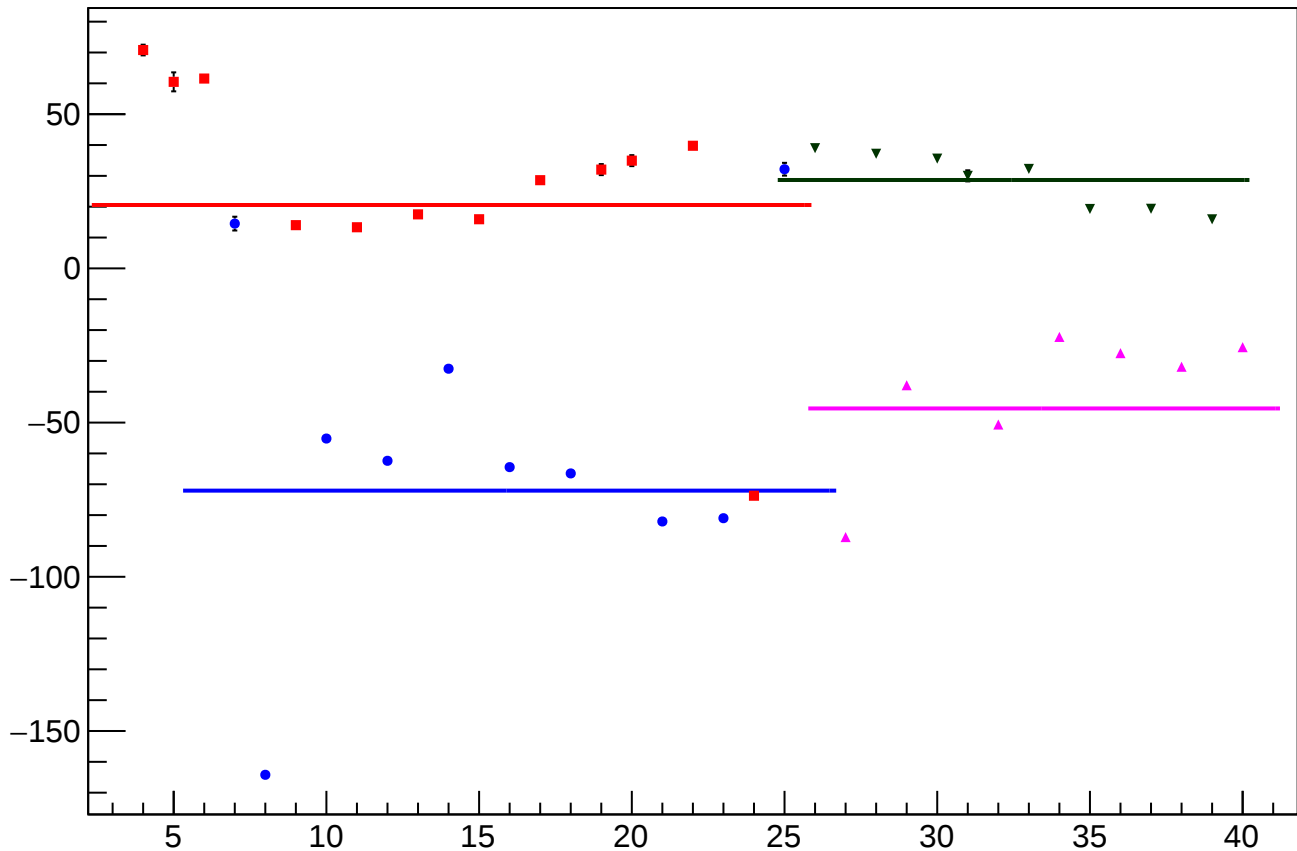
Right Out: 1344.349 ± 0.376 $\chi^2/\text{NDF}: 5607.5/11$

Left In: 1246.397 ± 0.412 $\chi^2/\text{NDF}: 44486.5/6$

1311.912 ± 0.283 $\chi^2/\text{NDF}: 41090.2/17$

1299.853 ± 0.278 $\chi^2/\text{NDF}: 80929.9/18$

diff_bpm2i02X_mean vs slug



Right In: -72.062 $\pm$ 0.408 χ^2 /NDF: 15030.6/9

Left Out: 28.662 $\pm$ 0.532 χ^2 /NDF:274.7/7

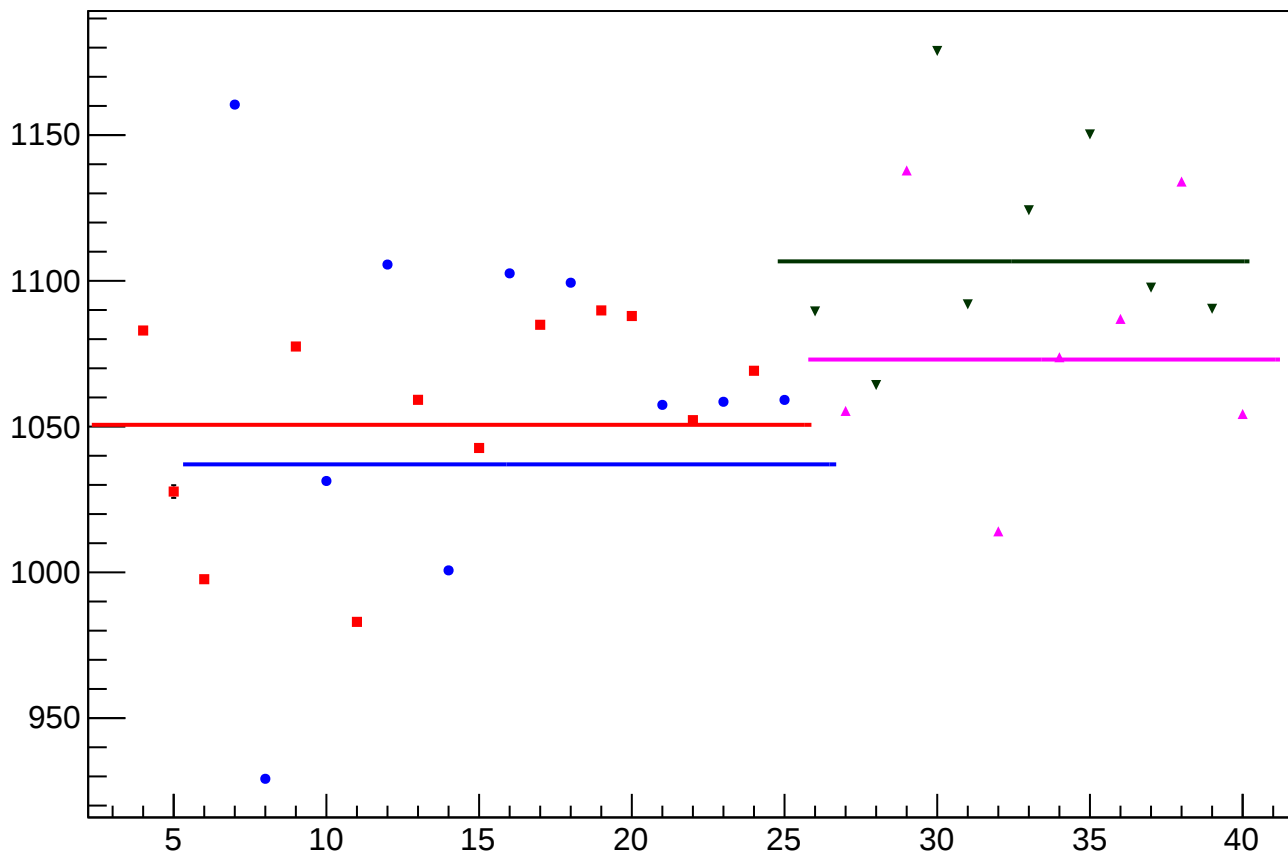
Right Out: 20.554 $\pm$ 0.415 χ^2 /NDF: 7076.4/11

Left In: -45.416 $\pm$ 0.501 χ^2 /NDF:2011.6/6

-34.748 $\pm$ 0.324 χ^2 /NDF: 37877.1/17

-6.285 $\pm$ 0.320 χ^2 /NDF: 19365.5/18

diff_bpm2i02X_rms vs slug



Right In: 1037.049 $\pm$ 0.289 χ^2 /NDF: 48151.7/9

Left Out: 1106.683 $\pm$ 0.376 χ^2 /NDF:8886.3/7

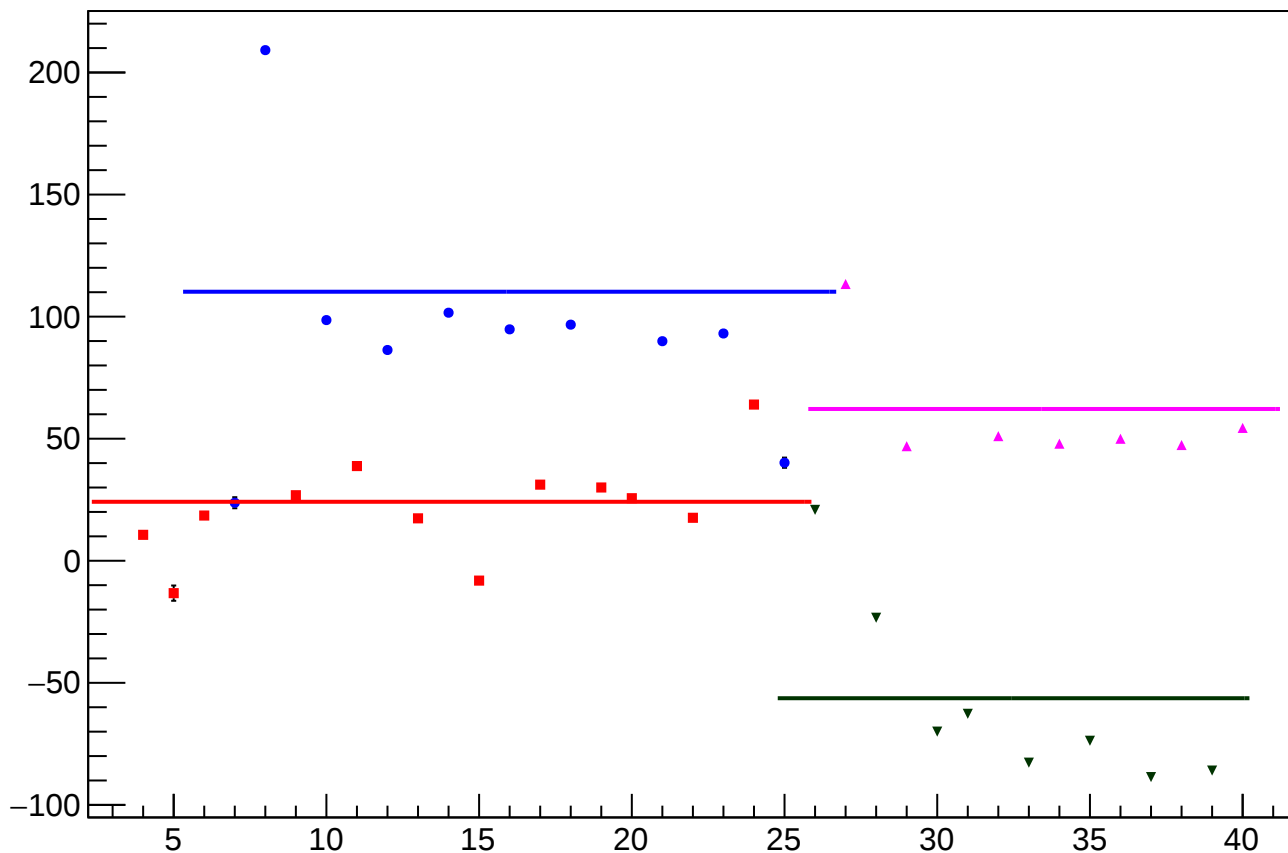
Right Out: 1050.613 $\pm$ 0.293 χ^2 /NDF: 14851.7/11

Left In: 1073.005 $\pm$ 0.354 χ^2 /NDF:15468.2/6

1062.845 $\pm$ 0.229 χ^2 /NDF: 78614.2/17

1059.722 $\pm$ 0.226 χ^2 /NDF: 32688.1/18

diff_bpm2i02Y_mean vs slug



Right In: 110.199 $\pm$ 0.415 χ^2 /NDF: 13303.9/9

Left Out: -56.307 $\pm$ 0.535 χ^2 /NDF: 4570.1/7

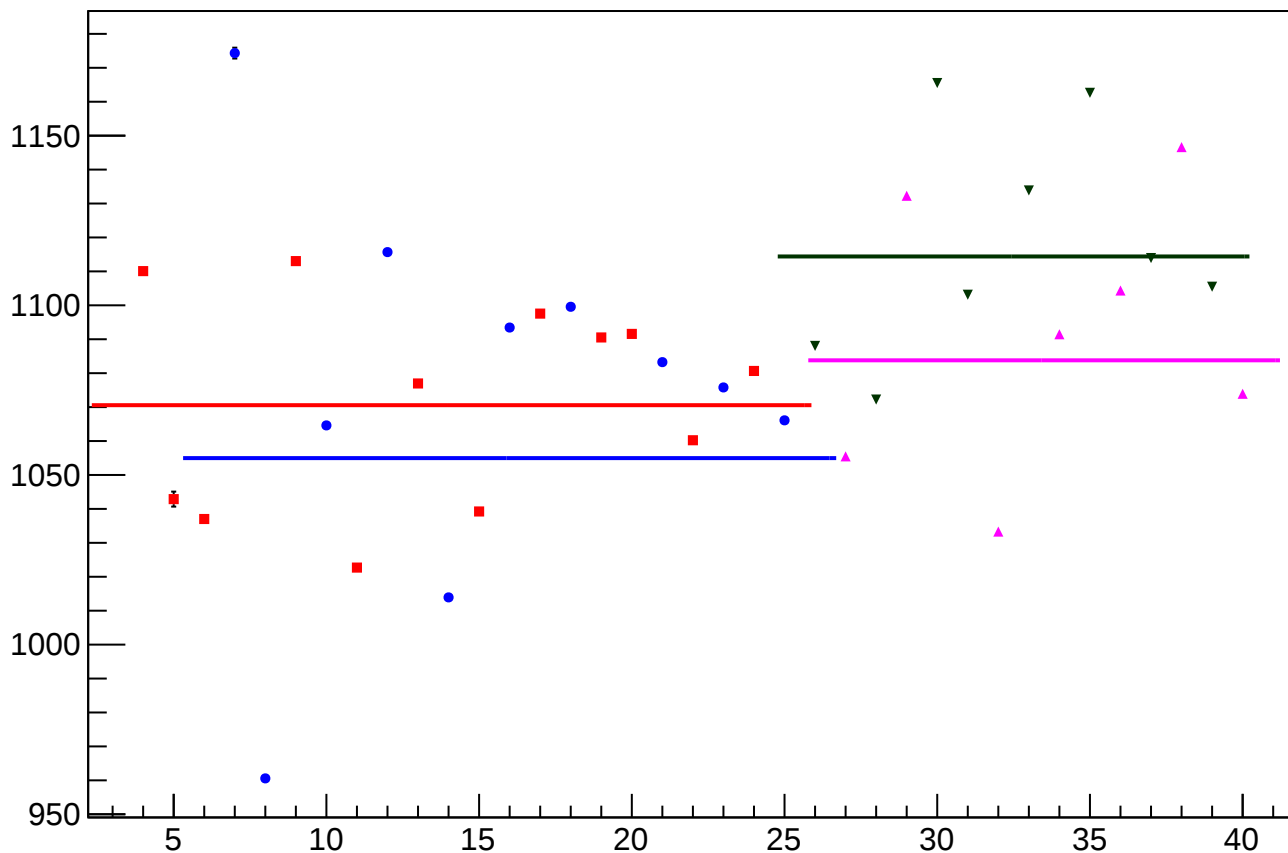
Right Out: 24.160 $\pm$ 0.423 χ^2 /NDF: 1842.7/11

Left In: 62.173 $\pm$ 0.506 χ^2 /NDF: 2527.4/6

47.715 $\pm$ 0.328 χ^2 /NDF: 78278.8/17

39.798 $\pm$ 0.325 χ^2 /NDF: 7692.8/18

diff_bpm2i02Y_rms vs slug



Right In: 1054.969 ± 0.293 $\chi^2/\text{NDF}: 35538.9/9$

Left Out: 1114.397 ± 0.379 $\chi^2/\text{NDF}: 7199.7/7$

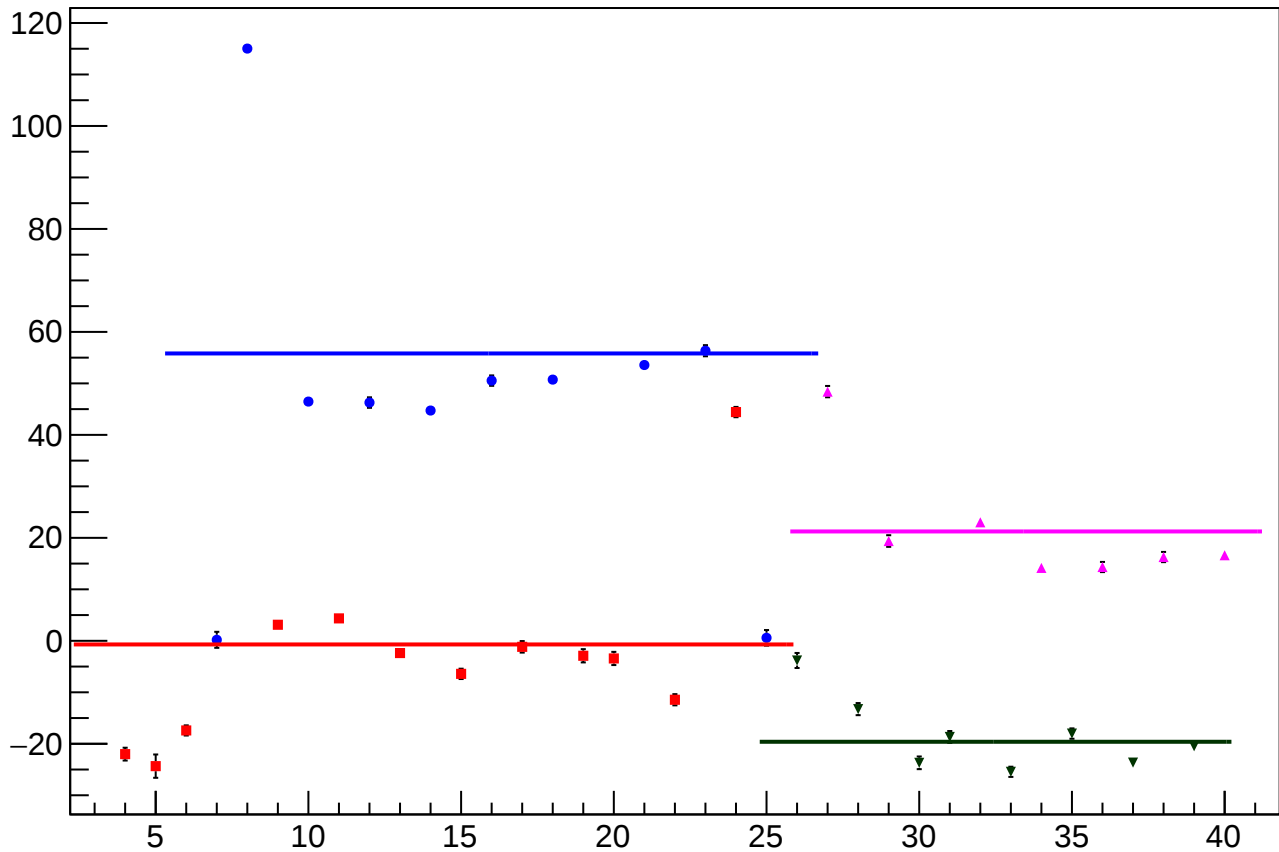
Right Out: 1070.566 ± 0.299 $\chi^2/\text{NDF}: 10075.5/11$

Left In: 1083.789 ± 0.358 $\chi^2/\text{NDF}: 12177.4/6$

1077.270 ± 0.232 $\chi^2/\text{NDF}: 58128.0/17$

1076.006 ± 0.229 $\chi^2/\text{NDF}: 23056.9/18$

diff_bpm1i04X_mean vs slug



Right In: 55.815 $\pm$ 0.302 χ^2 /NDF: 9212.6/9

Left Out: -19.609 $\pm$ 0.378 χ^2 /NDF: 213.8/7

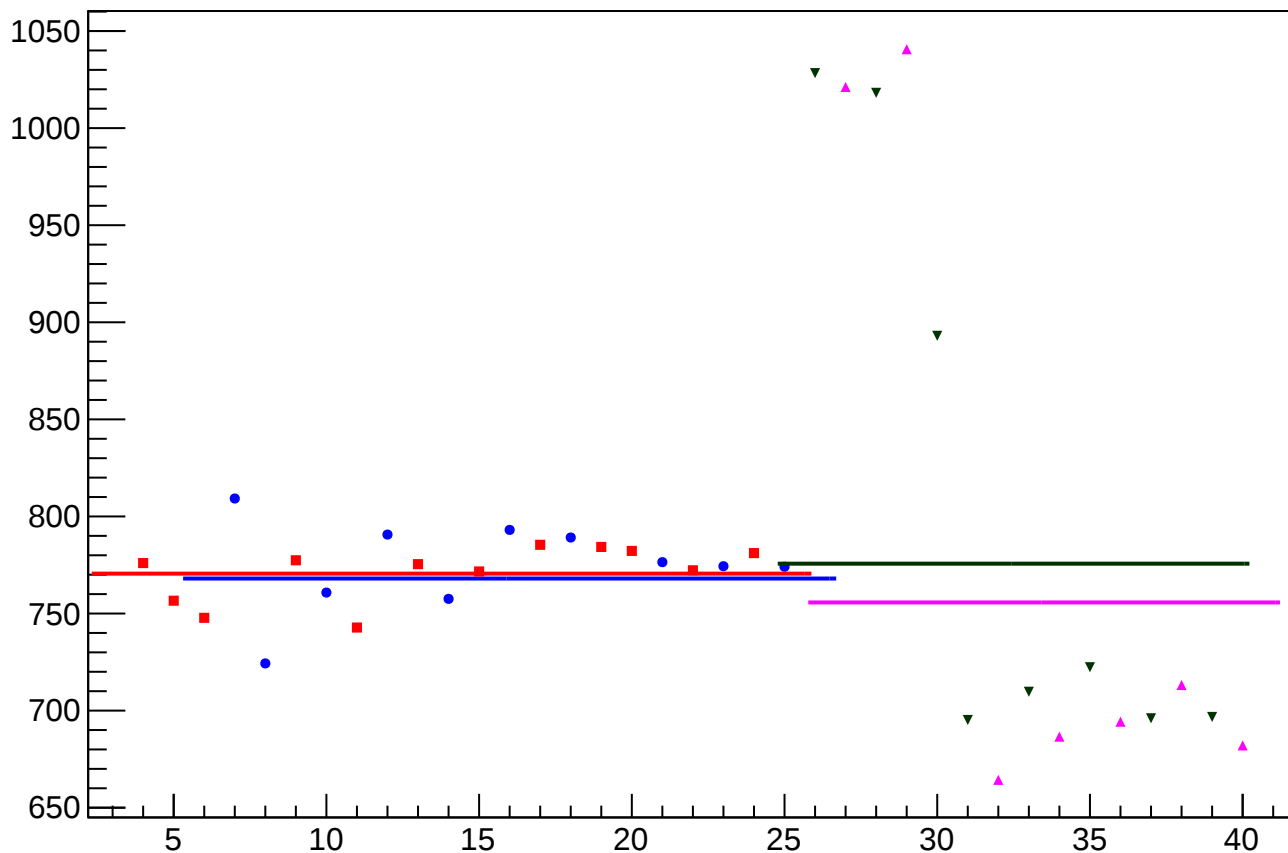
Right Out: -0.705 $\pm$ 0.304 χ^2 /NDF: 2908.1/11

Left In: 21.241 $\pm$ 0.358 χ^2 /NDF: 766.0/6

26.449 $\pm$ 0.236 χ^2 /NDF: 33778.2/17

8.485 $\pm$ 0.232 χ^2 /NDF: 5854.4/18

diff_bpm1i04X_rms vs slug



Right In: 768.028+/-0.213 χ^2/NDF : 12111.2/9

Left Out: 775.679+/-0.267 χ^2/NDF : 217283.2/7

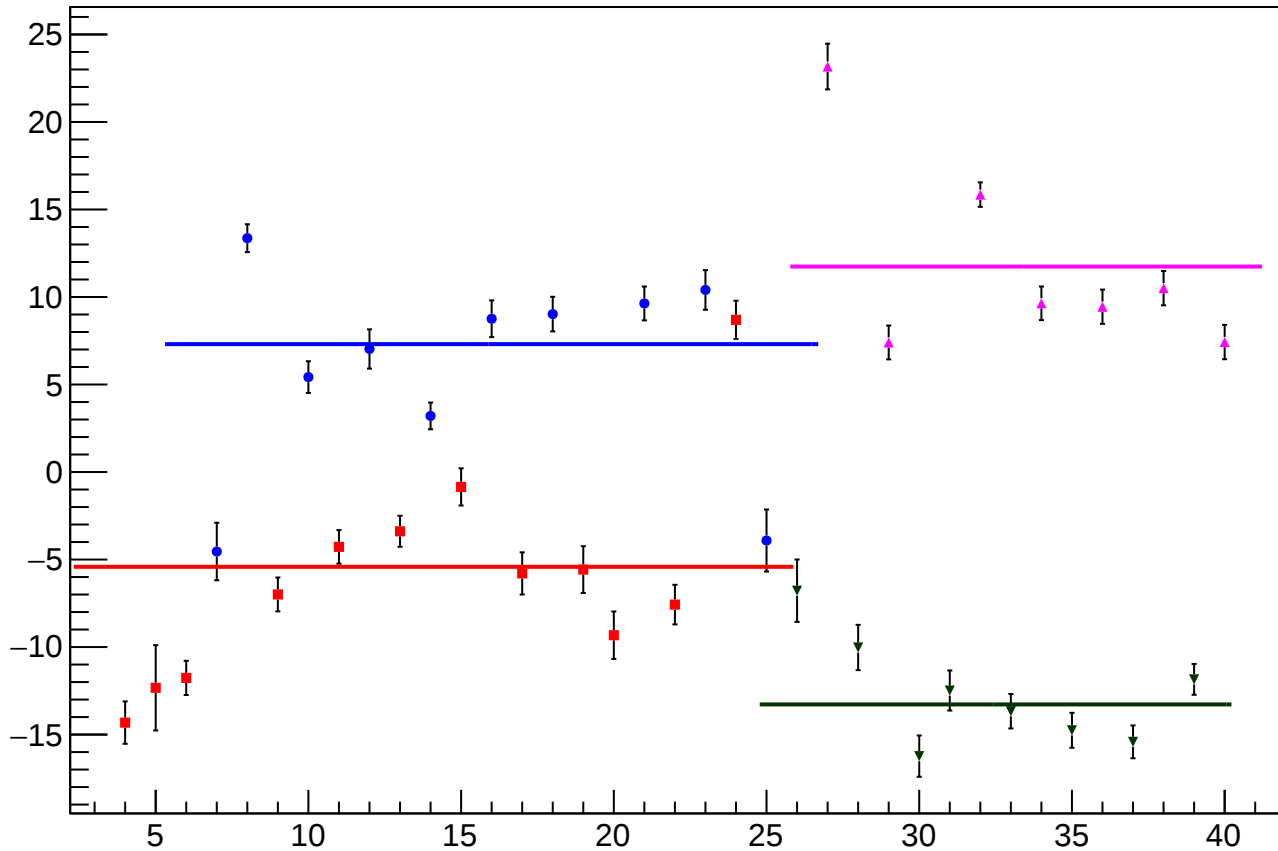
Right Out: 770.550+/-0.215 χ^2/NDF : 4259.5/11

Left In: 755.714+/-0.253 χ^2/NDF : 310212.9/6

771.007+/-0.167 χ^2/NDF : 229895.7/17

764.337+/-0.164 χ^2/NDF : 316465.0/18

diff_bpm1i04Y_mean vs slug



Right In: 7.307 ± 0.320 χ^2/NDF : 201.3/9

Left Out: -13.278 ± 0.382 χ^2/NDF : 36.5/7

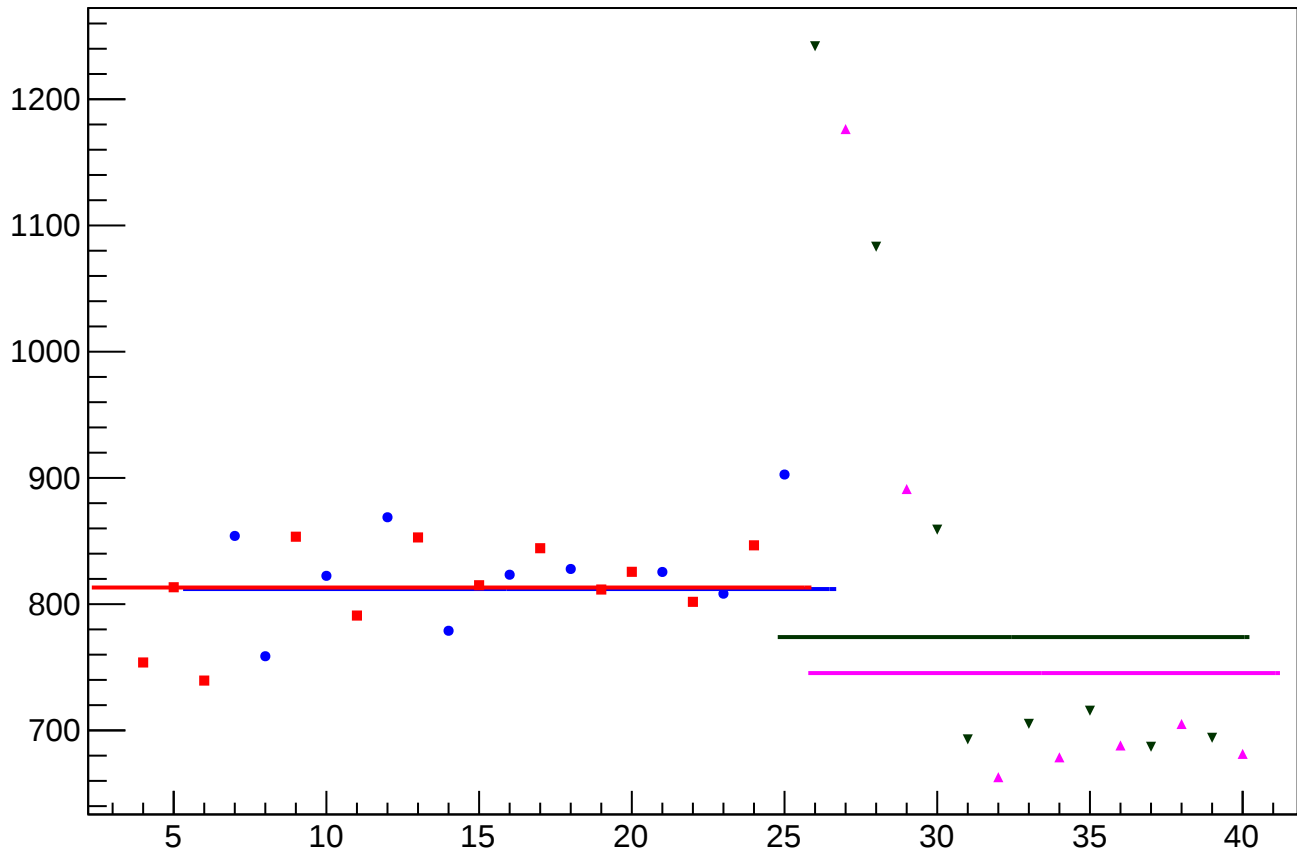
Right Out: -5.416 ± 0.322 χ^2/NDF : 311.5/11

Left In: 11.740 ± 0.356 χ^2/NDF : 162.4/6

-1.179 ± 0.245 χ^2/NDF : 1945.6/17

2.316 ± 0.239 χ^2/NDF : 1751.2/18

diff_bpm1i04Y_rms vs slug



Right In: 811.972 $\pm$ 0.226 χ^2 /NDF: 25796.5/9

Left Out: 773.927 $\pm$ 0.270 χ^2 /NDF:322650.0/7

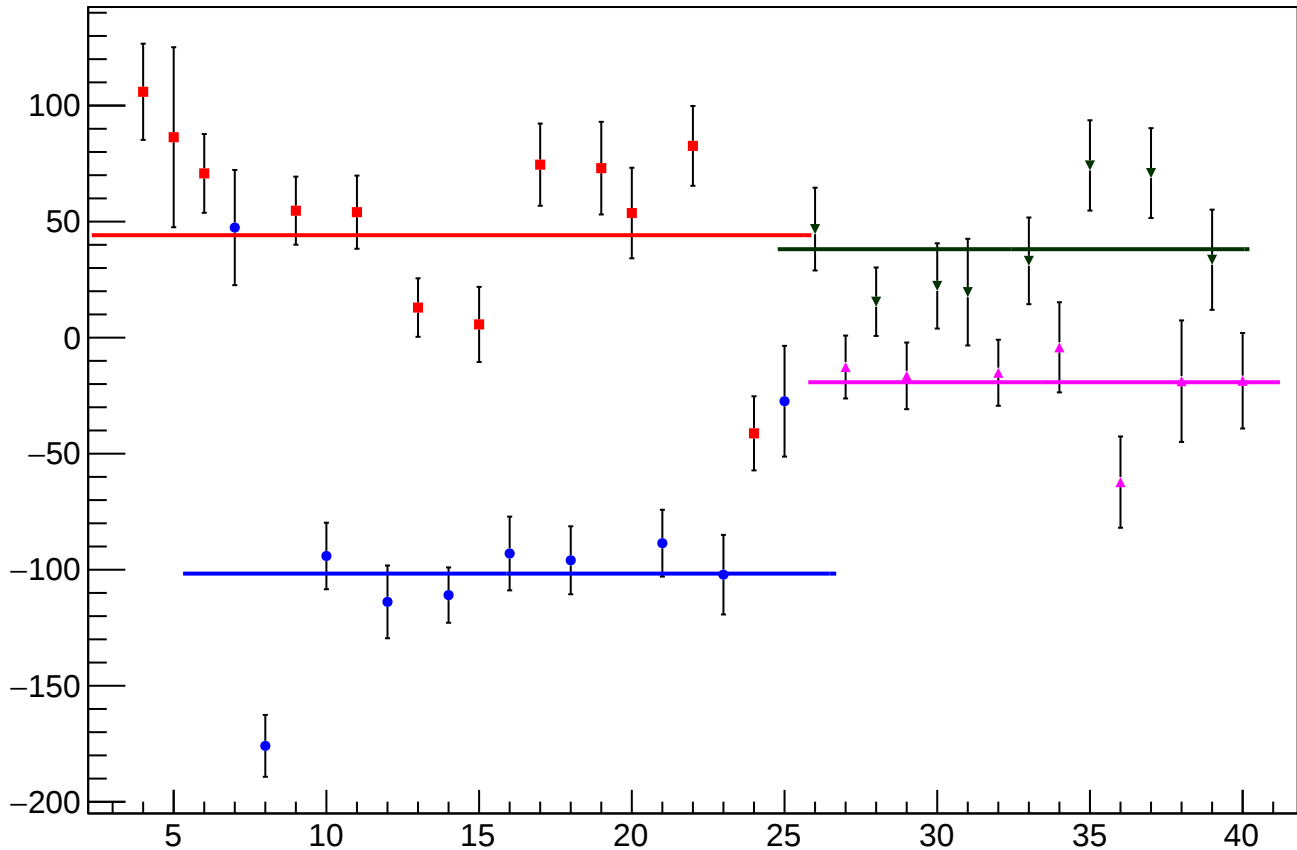
Right Out: 813.189 $\pm$ 0.228 χ^2 /NDF: 28331.0/11

Left In: 745.401 $\pm$ 0.252 χ^2 /NDF:319567.2/6

796.289 $\pm$ 0.173 χ^2 /NDF: 360112.8/17

782.636 $\pm$ 0.169 χ^2 /NDF: 387786.9/18

diff_bpm0l02X_mean vs slug



Right In: -101.672 $\pm$ 4.889 χ^2/NDF : 79.6/9

Left Out: 38.114 $\pm$ 6.606 χ^2/NDF : 10.4/7

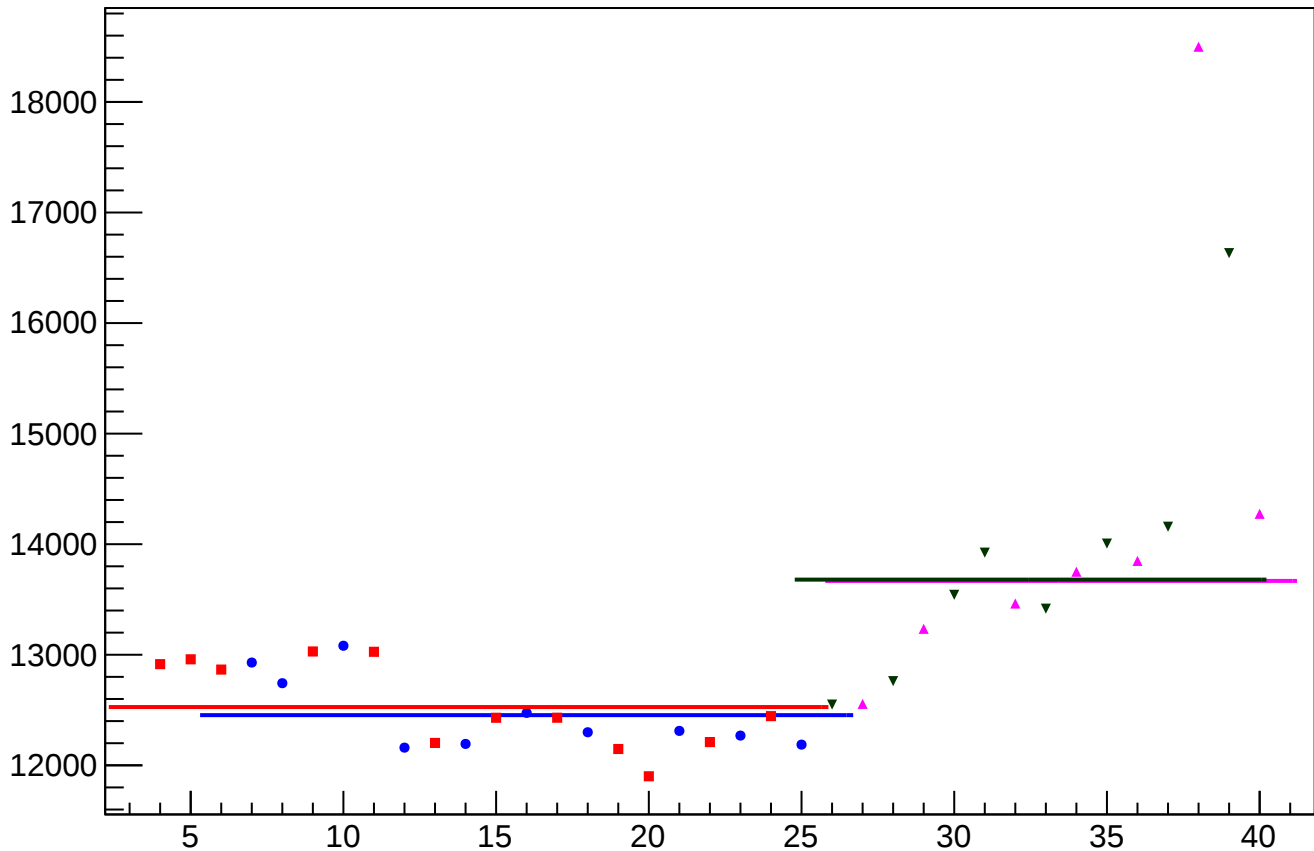
Right Out: 44.144 $\pm$ 4.946 χ^2/NDF : 64.1/11

Left In: -19.212 $\pm$ 6.415 χ^2/NDF : 5.7/6

-52.208 $\pm$ 3.930 χ^2/NDF : 379.3/17

20.528 $\pm$ 3.917 χ^2/NDF : 131.0/18

diff_bpm0l02X_rms vs slug



Right In: 12453.727 $\pm$ 3.457 χ^2 /NDF: 8070.4/9

Left Out: 13679.581 $\pm$ 4.671 χ^2 /NDF:55715.8/7

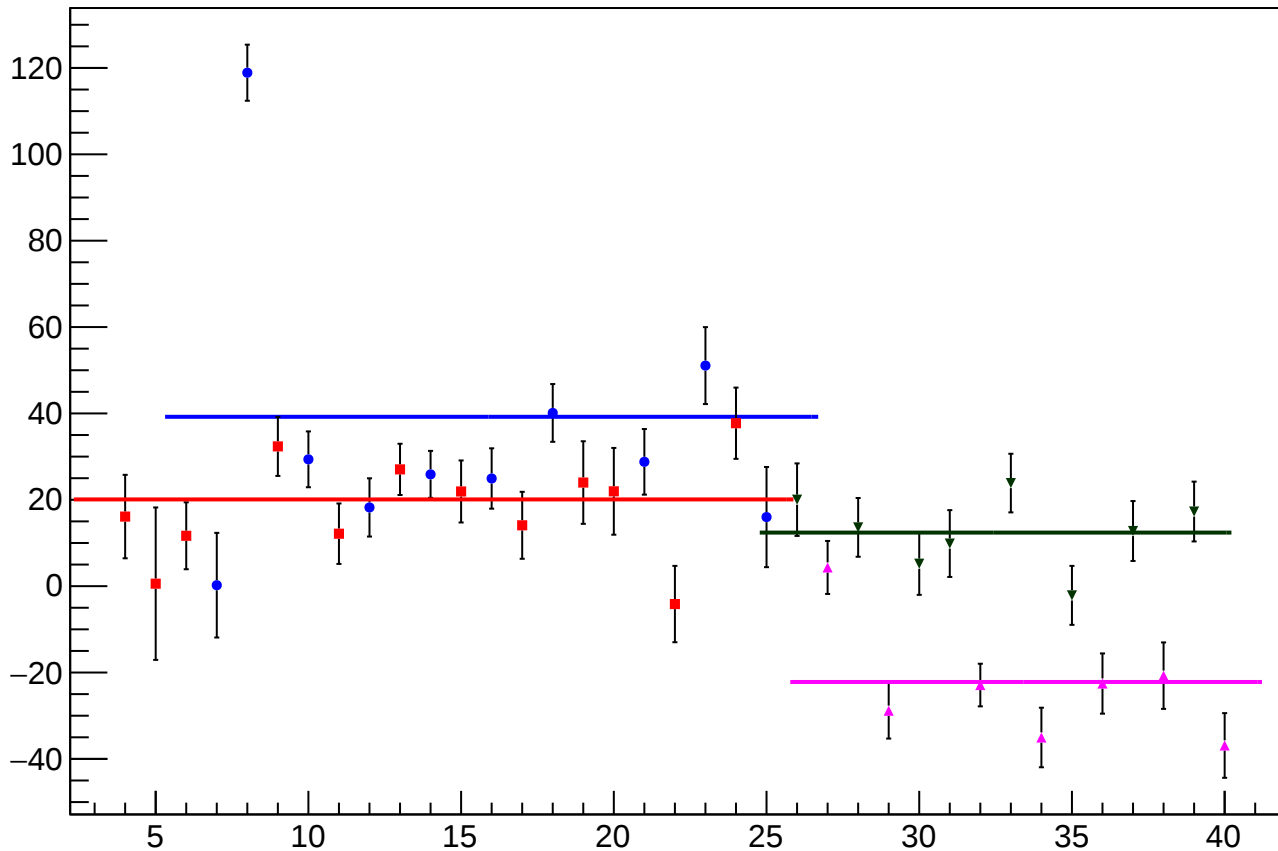
12887.499 $\pm$ 2.779 χ^2 /NDF: 108284.8/17

Right Out: 12527.068 $\pm$ 3.497 χ^2 /NDF: 11080.0/11

12952.292 $\pm$ 2.770 χ^2 /NDF: 136489.0/18

Left In: 13667.837 $\pm$ 4.536 χ^2 /NDF:85744.4/6

diff_bpm0l02Y_mean vs slug



Right In: 39.218+/-2.292 χ^2/NDF : 190.8/9

Left Out: 12.405+/-2.528 χ^2/NDF : 9.8/7

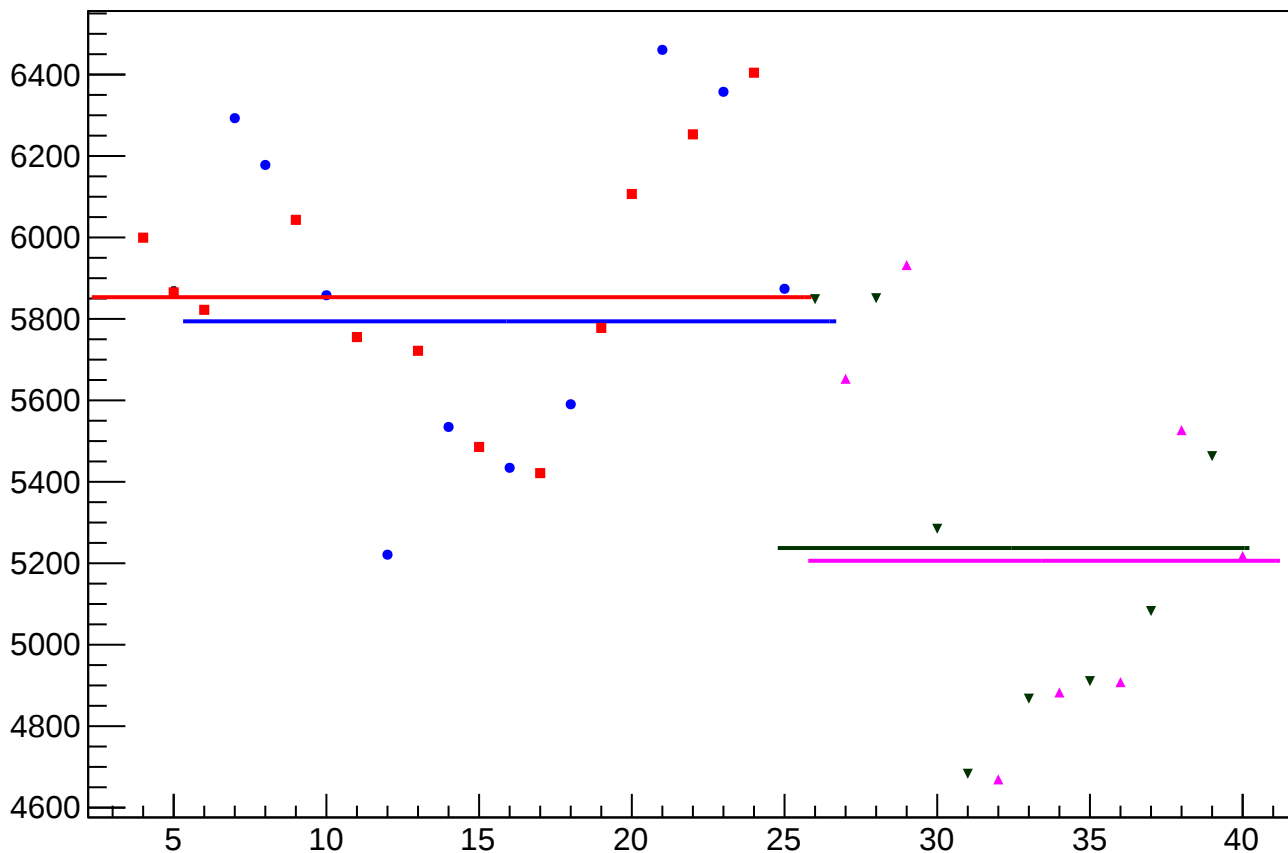
Right Out: 20.083+/-2.324 χ^2/NDF : 21.4/11

Left In: -22.187+/-2.440 χ^2/NDF : 27.1/6

27.124+/-1.698 χ^2/NDF : 262.4/17

-0.023+/-1.683 χ^2/NDF : 205.9/18

diff_bpm0l02Y_rms vs slug



Right In: 5794.071+/-1.620 χ^2/NDF : 60209.2/9

Left Out: 5237.435+/-1.788 χ^2/NDF : 50822.4/7

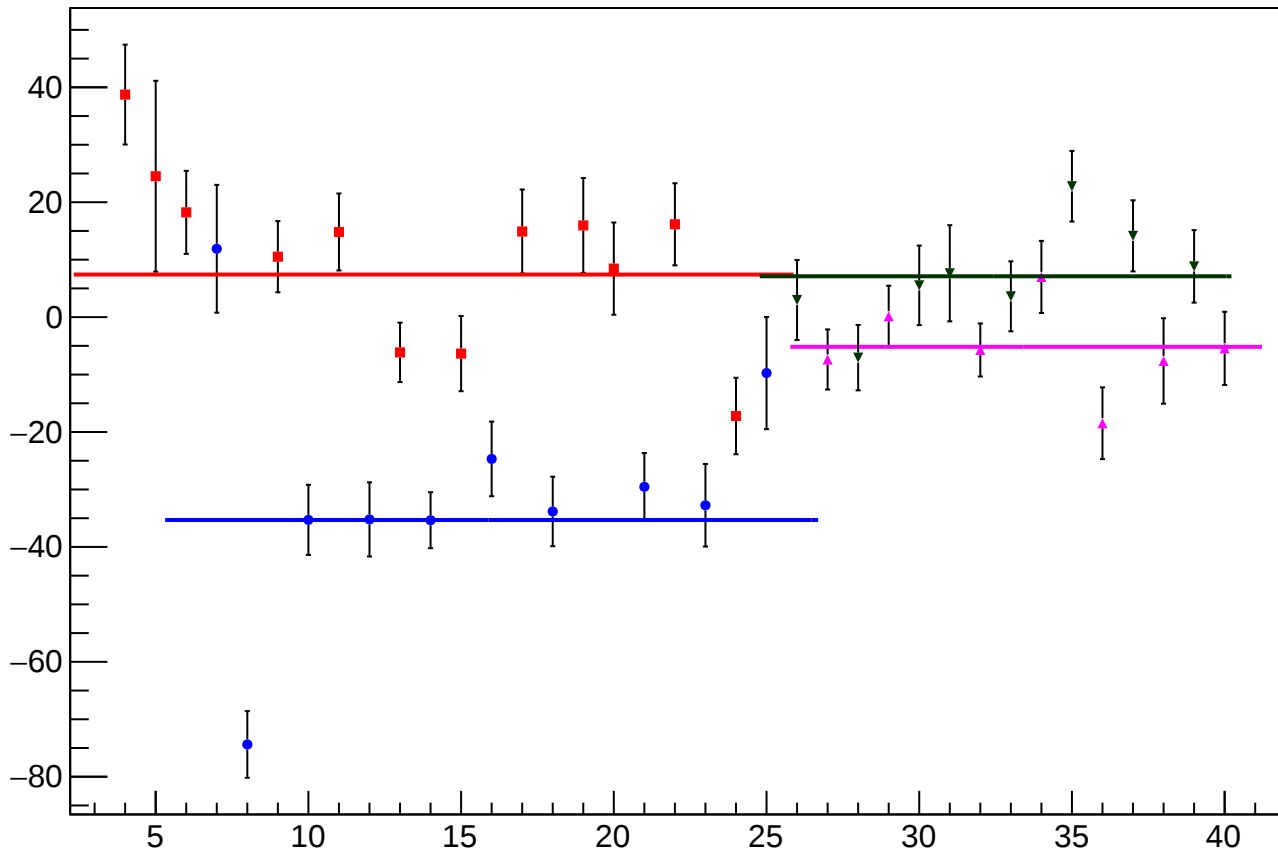
Right Out: 5853.344+/-1.643 χ^2/NDF : 29282.6/11

Left In: 5206.106+/-1.725 χ^2/NDF : 71134.2/6

5543.009+/-1.201 χ^2/NDF : 164258.9/17

5545.481+/-1.190 χ^2/NDF : 174201.7/18

diff_bpm0l03X_mean vs slug



Right In: -35.314+/-2.039 χ^2/NDF : 74.0/9

Left Out: 7.108+/-2.287 χ^2/NDF : 14.8/7

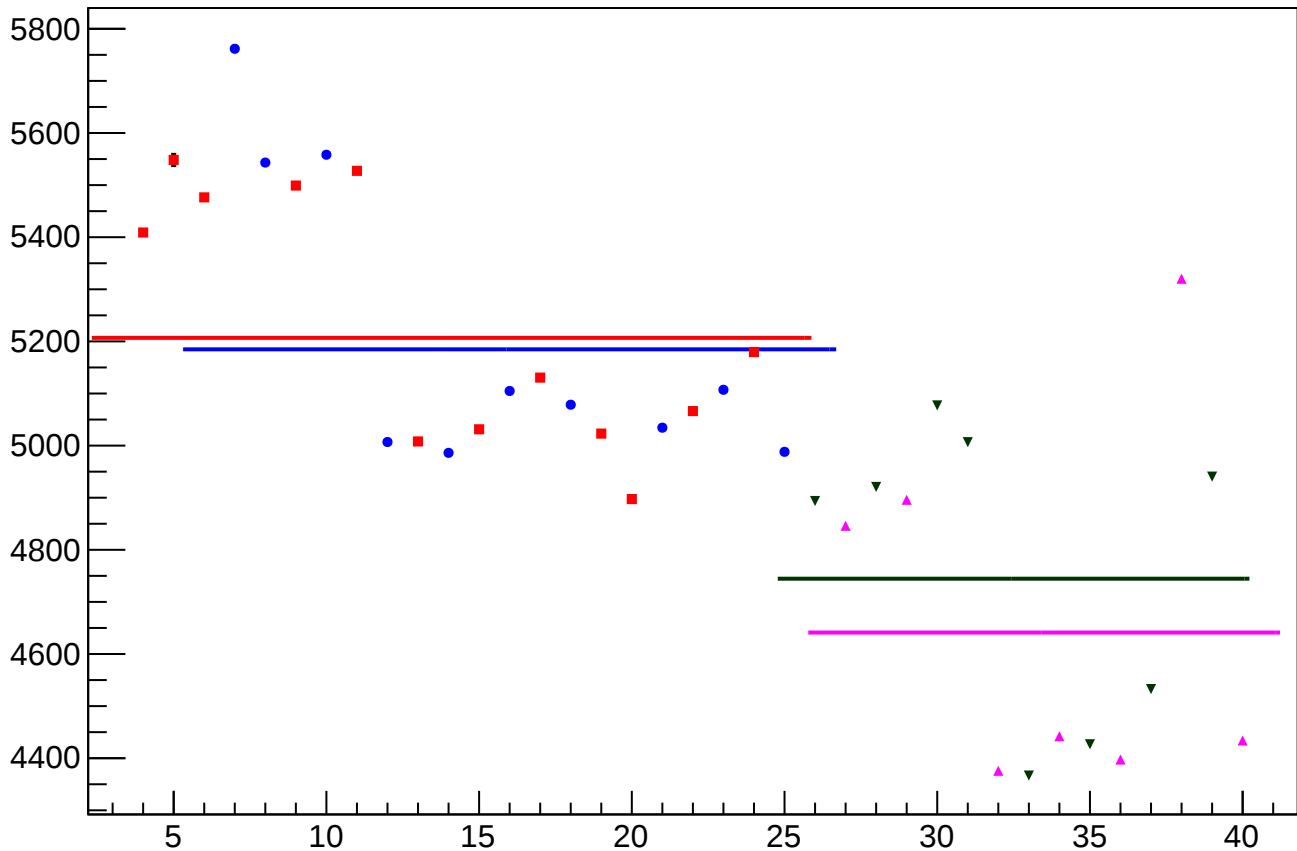
Right Out: 7.409+/-2.058 χ^2/NDF : 46.4/11

Left In: -5.172+/-2.169 χ^2/NDF : 9.6/6

-16.523+/-1.522 χ^2/NDF : 280.5/17

1.449+/-1.493 χ^2/NDF : 73.7/18

diff_bpm0l03X_rms vs slug



Right In: 5184.765 ± 1.442 χ^2/NDF : 28614.1/9

Left Out: 4744.542 ± 1.617 χ^2/NDF : 26712.9/7

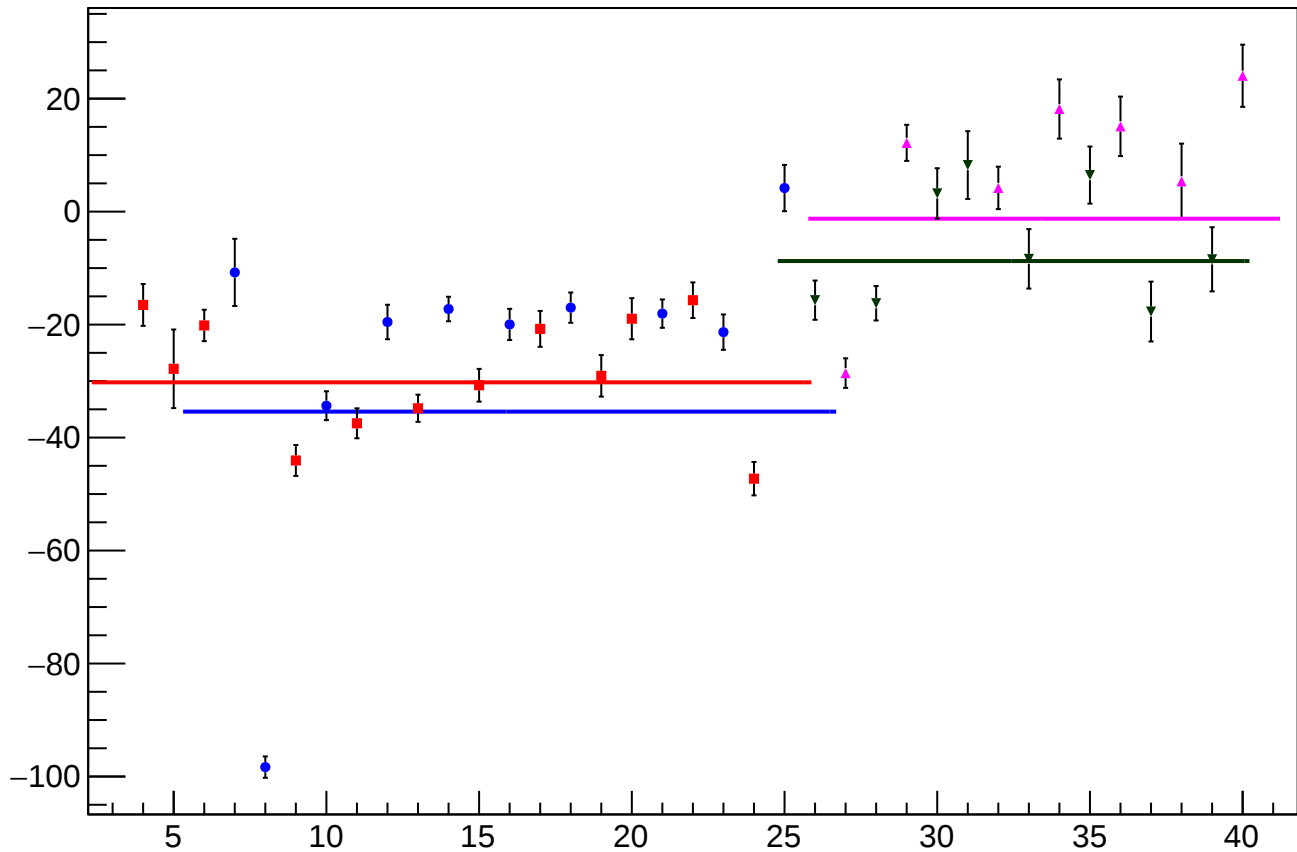
Right Out: 5206.838 ± 1.455 χ^2/NDF : 23121.5/11

Left In: 4641.168 ± 1.534 χ^2/NDF : 38130.9/6

4989.763 ± 1.076 χ^2/NDF : 96611.3/17

4938.863 ± 1.056 χ^2/NDF : 132836.7/18

diff_bpm0l03Y_mean vs slug



Right In: -35.407 $\pm$ 0.854 χ^2 /NDF: 1459.3/9

Left Out: -8.750 $\pm$ 1.560 χ^2 /NDF: 37.2/7

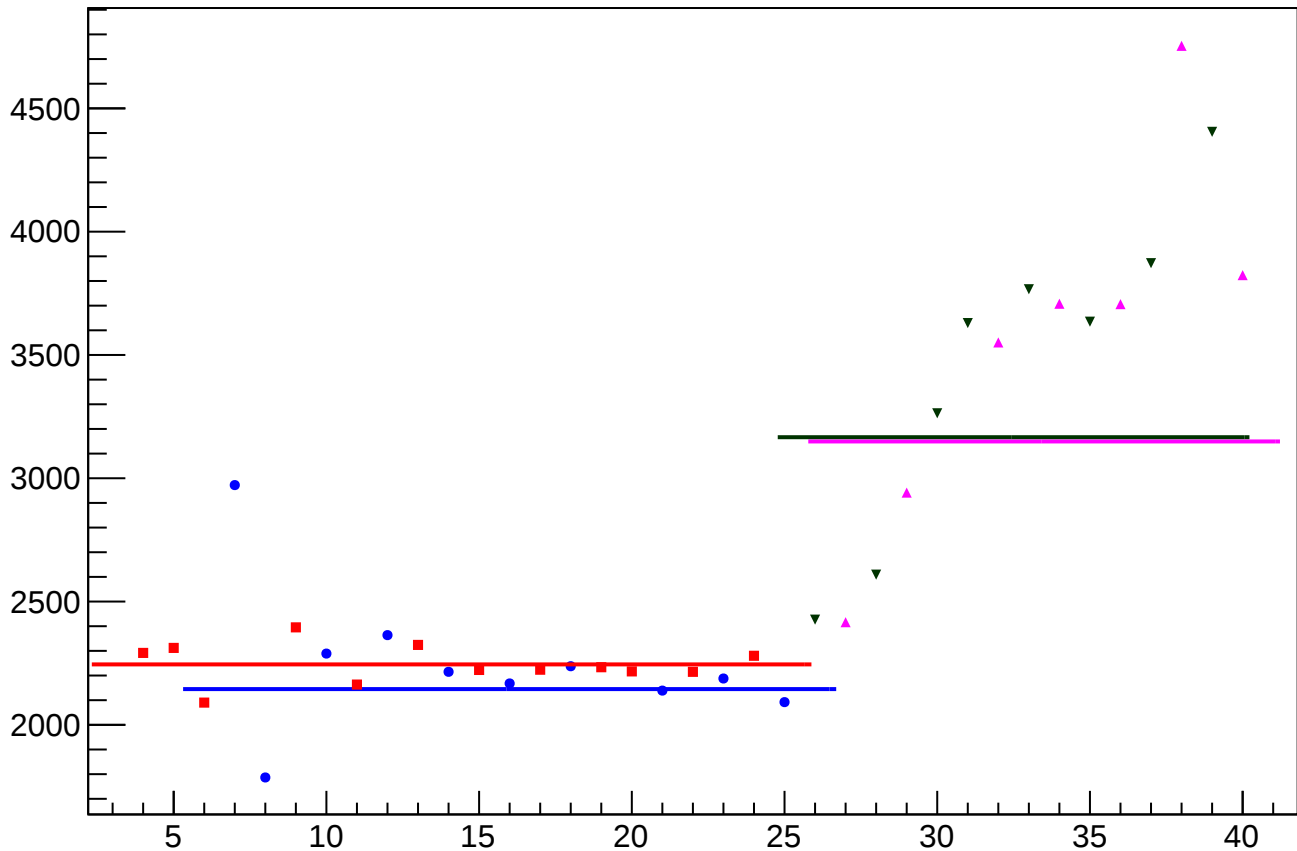
Right Out: -30.222 $\pm$ 0.893 χ^2 /NDF: 136.9/11

Left In: -1.252 $\pm$ 1.503 χ^2 /NDF: 174.1/6

-29.262 $\pm$ 0.749 χ^2 /NDF: 1721.2/17

-22.672 $\pm$ 0.767 χ^2 /NDF: 585.5/18

diff_bpm0l03Y_rms vs slug



Right In: 2144.990+/-0.604 χ^2/NDF : 132365.7/9

Left Out: 3166.451+/-1.103 χ^2/NDF : 344418.5/7

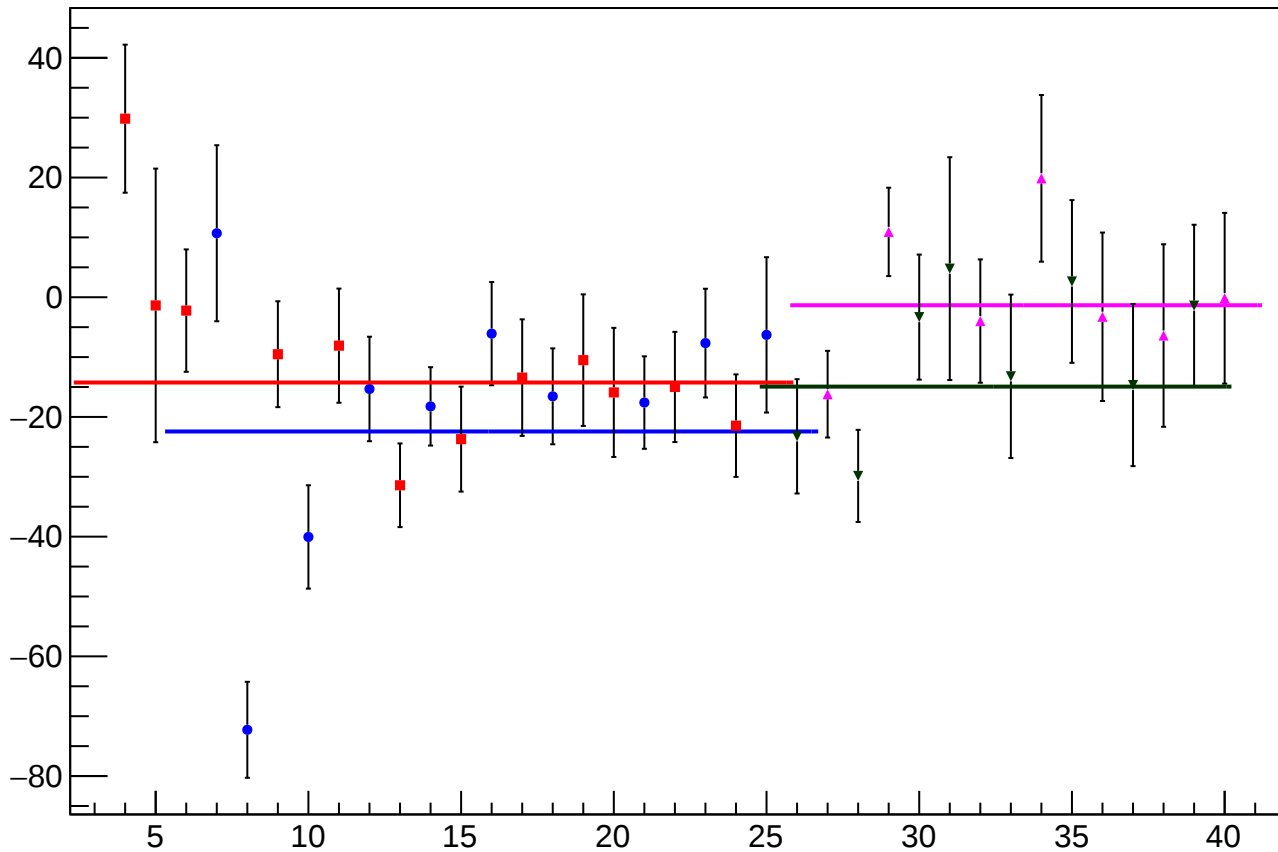
Right Out: 2245.118+/-0.631 χ^2/NDF : 17612.9/11

Left In: 3149.254+/-1.063 χ^2/NDF : 378222.7/6

2380.447+/-0.530 χ^2/NDF : 1136594.7/17

2480.748+/-0.543 χ^2/NDF : 930675.3/18

diff_bpm0l04X_mean vs slug



Right In: -22.429 $\pm$ 2.733 χ^2 /NDF: 57.7/9

Left Out: -14.932 $\pm$ 4.029 χ^2 /NDF: 9.6/7

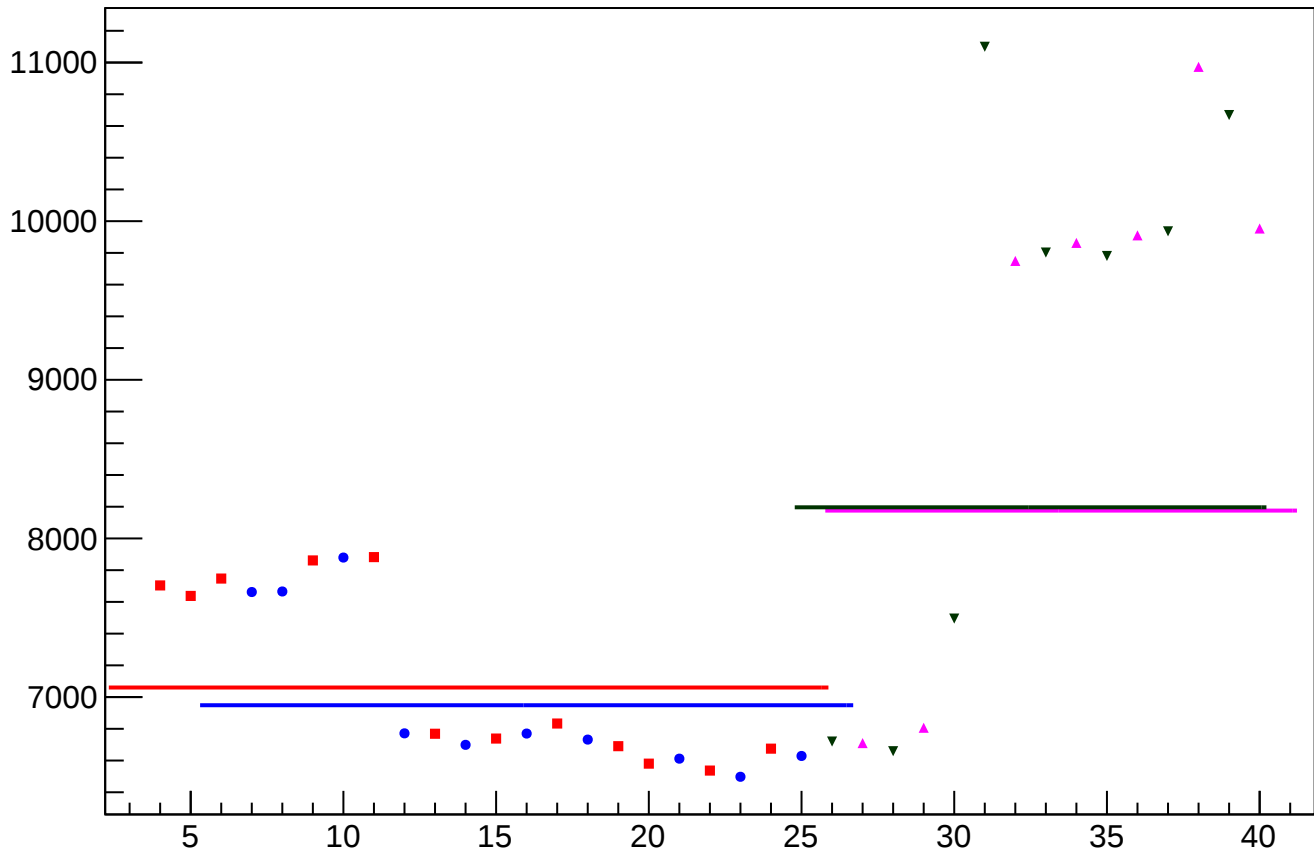
Right Out: -14.248 $\pm$ 2.794 χ^2 /NDF: 23.2/11

Left In: -1.336 $\pm$ 3.885 χ^2 /NDF: 9.5/6

-20.066 $\pm$ 2.262 χ^2 /NDF: 69.6/17

-9.846 $\pm$ 2.268 χ^2 /NDF: 39.9/18

diff_bpm0l04X_rms vs slug



Right In: 6948.614+/-1.933 χ^2/NDF : 59940.1/9

Left Out: 8196.254+/-2.849 χ^2/NDF : 340076.1/7

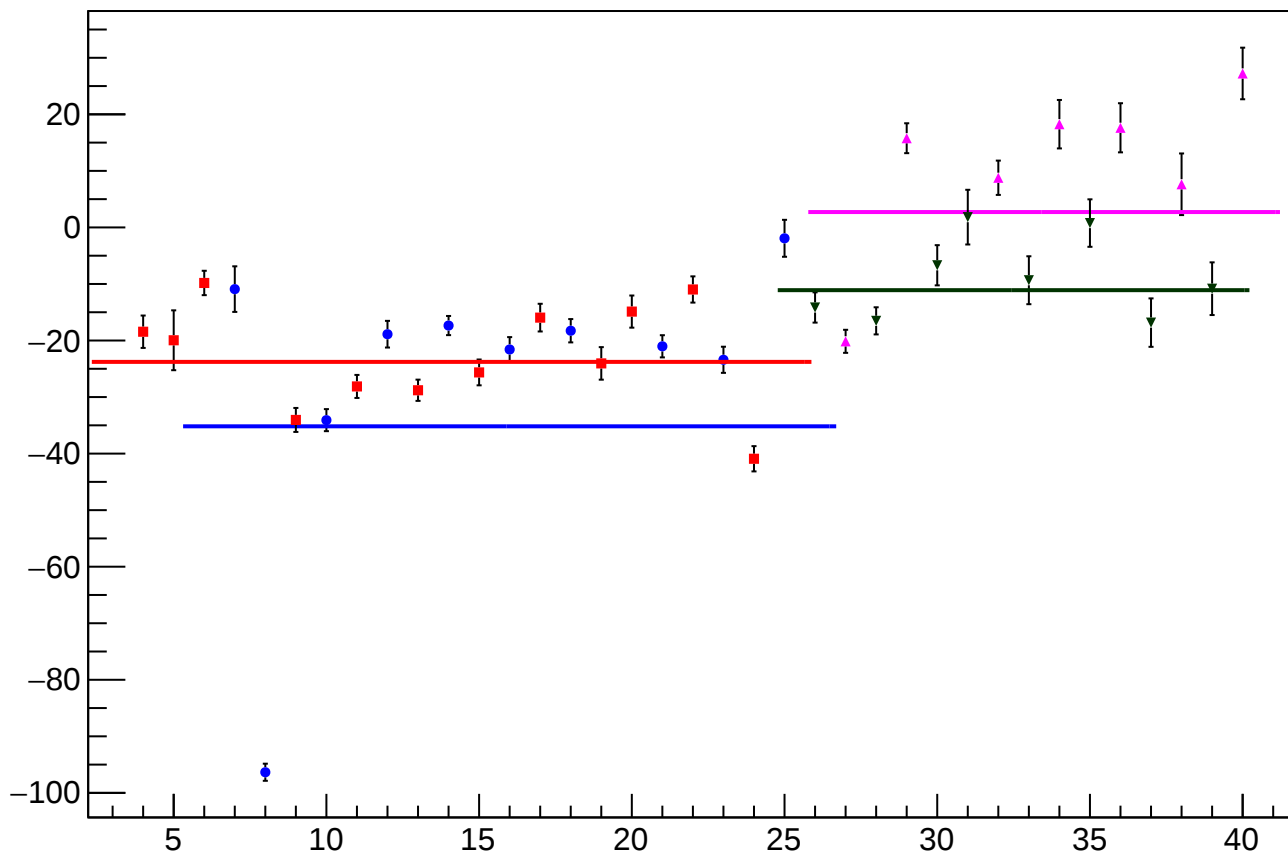
Right Out: 7060.304+/-1.976 χ^2/NDF : 70982.1/11

Left In: 8175.583+/-2.747 χ^2/NDF : 355521.1/6

7341.771+/-1.599 χ^2/NDF : 531357.1/17

7440.508+/-1.604 χ^2/NDF : 535155.3/18

diff_bpm0l04Y_mean vs slug



Right In: -35.174 ± 0.663 χ^2/NDF : 2117.2/9

Left Out: -11.096 ± 1.242 χ^2/NDF : 25.1/7

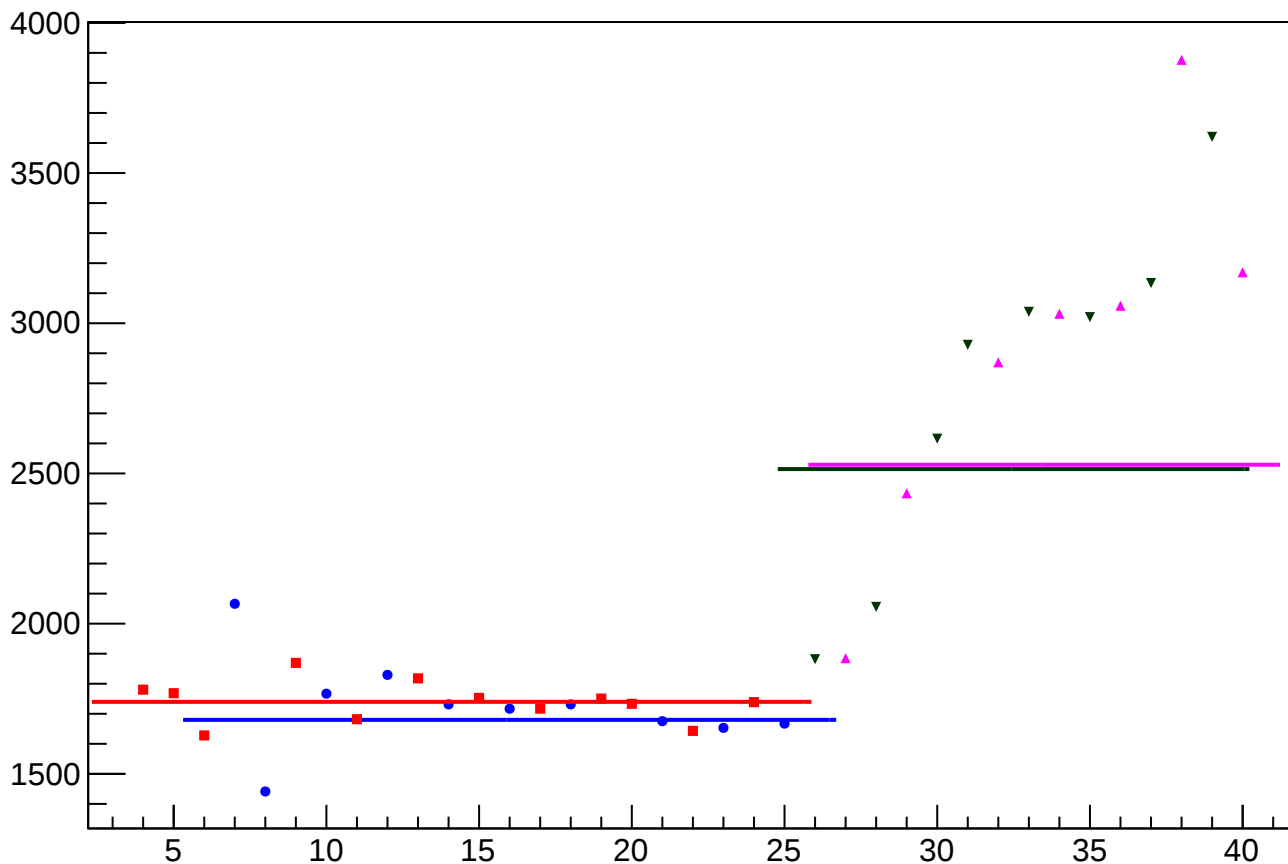
Right Out: -23.778 ± 0.688 χ^2/NDF : 191.1/11

Left In: 2.720 ± 1.211 χ^2/NDF : 208.8/6

-29.832 ± 0.585 χ^2/NDF : 2434.8/17

-17.307 ± 0.599 χ^2/NDF : 761.8/18

diff_bpm0l04Y_rms vs slug



Right In: 1679.752+/-0.469 χ^2/NDF : 84058.4/9

Left Out: 2514.546+/-0.878 χ^2/NDF : 415457.5/7

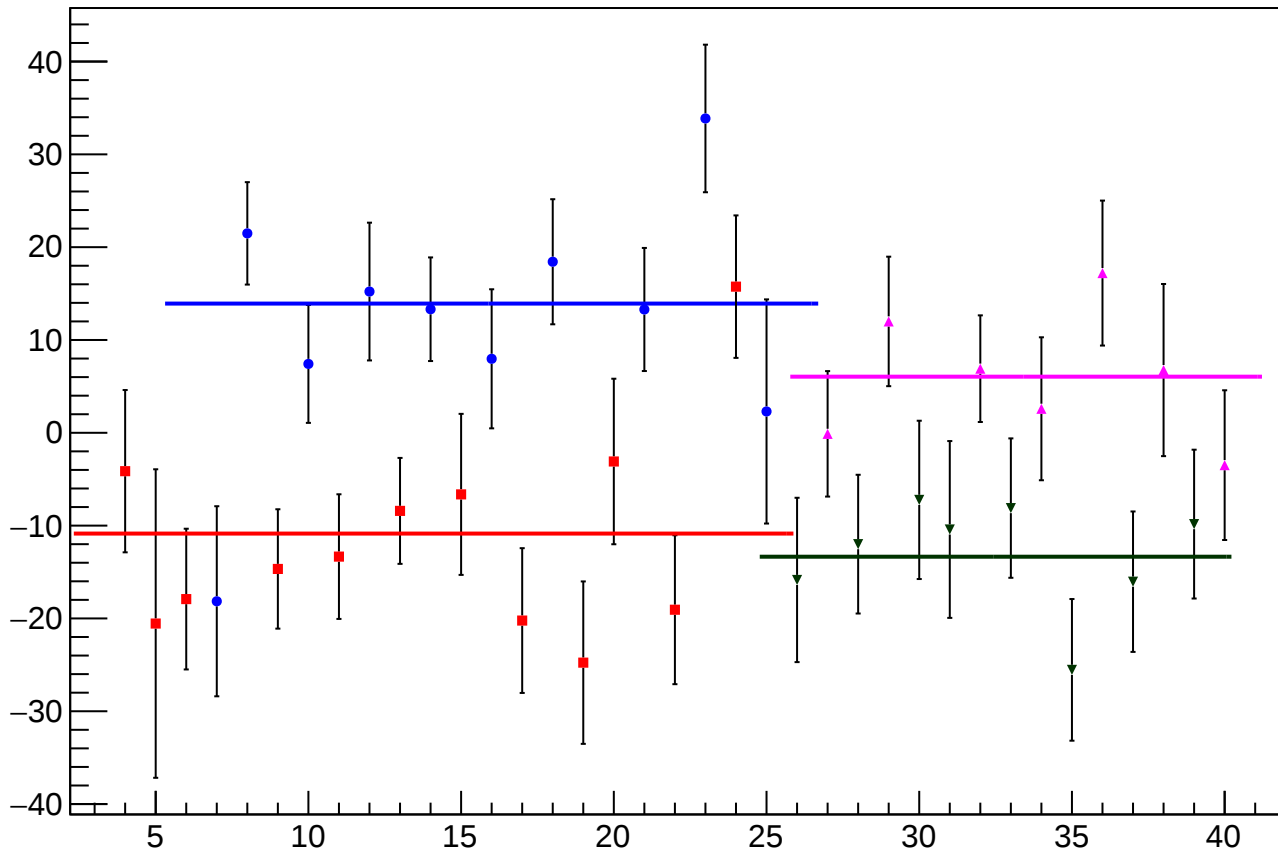
Right Out: 1739.740+/-0.487 χ^2/NDF : 22147.7/11

Left In: 2529.019+/-0.856 χ^2/NDF : 446636.6/6

1864.965+/-0.414 χ^2/NDF : 1202795.2/17

1932.495+/-0.423 χ^2/NDF : 1110751.3/18

diff_bpm0l05X_mean vs slug



Right In: 13.922 ± 2.221 $\chi^2/\text{NDF}: 21.1/9$

Left Out: -13.350 ± 2.847 $\chi^2/\text{NDF}: 4.1/7$

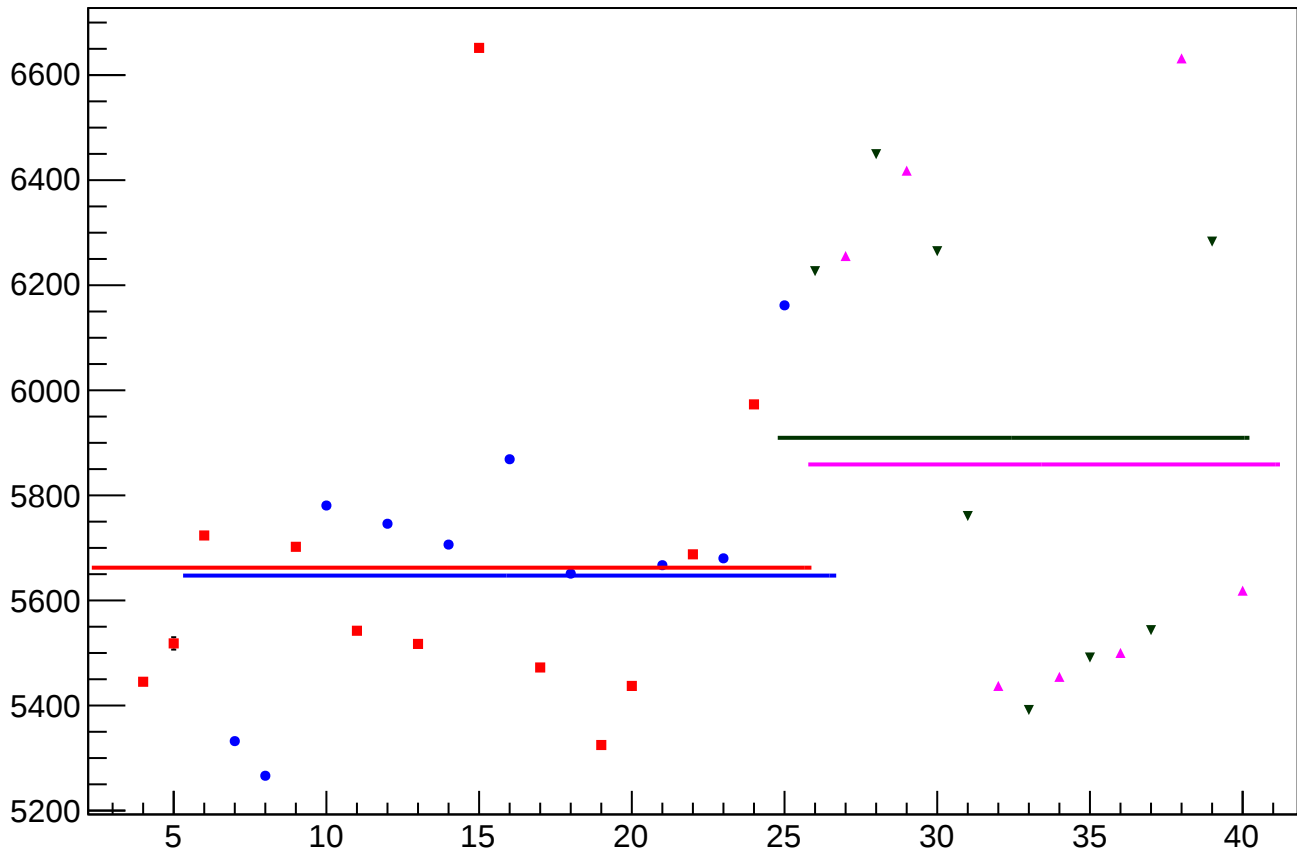
Right Out: -10.857 ± 2.241 $\chi^2/\text{NDF}: 20.5/11$

Left In: 6.048 ± 2.742 $\chi^2/\text{NDF}: 5.2/6$

3.603 ± 1.751 $\chi^2/\text{NDF}: 82.2/17$

-4.086 ± 1.735 $\chi^2/\text{NDF}: 48.5/18$

diff_bpm0l05X_rms vs slug



Right In: 5647.317+/-1.571 χ^2 /NDF: 18317.5/9

Left Out: 5909.573+/-2.013 χ^2 /NDF:41512.5/7

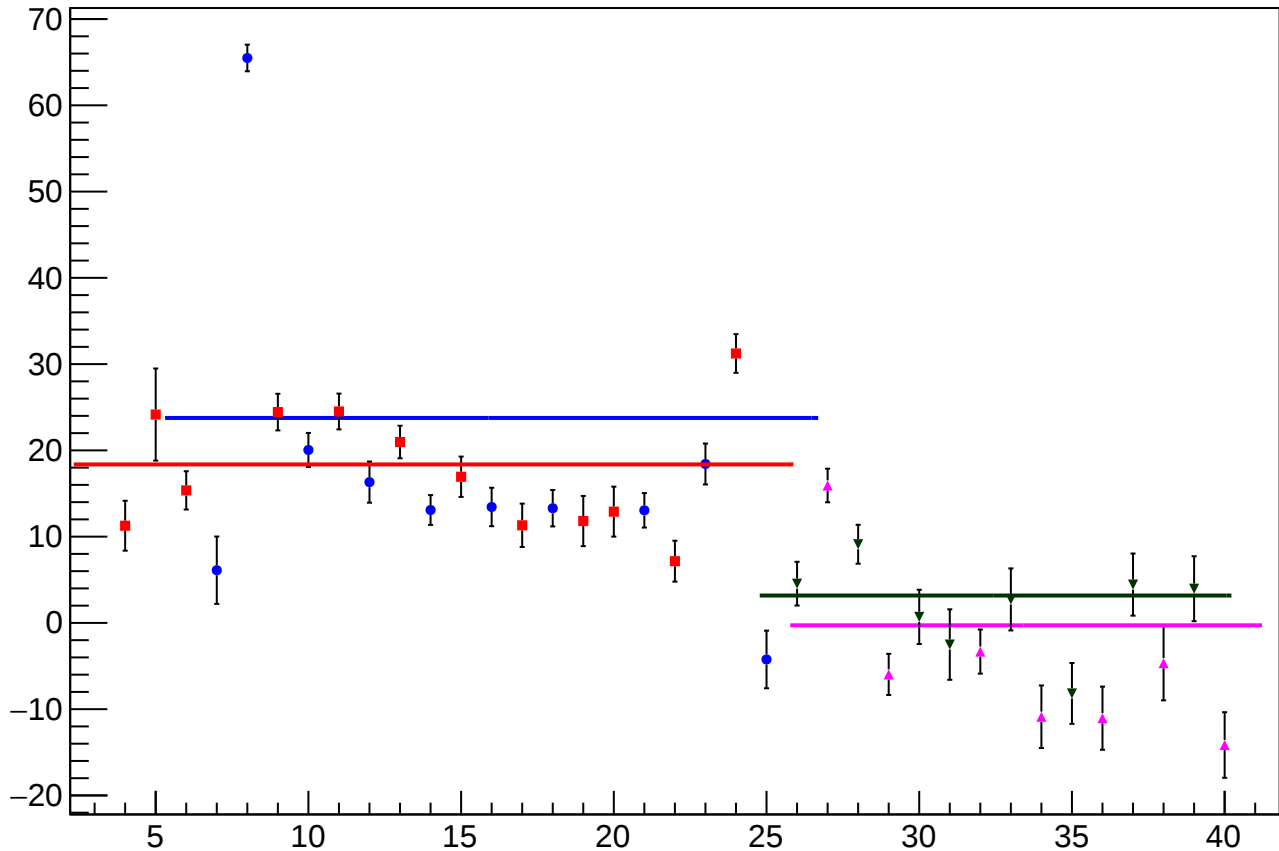
Right Out: 5662.385+/-1.585 χ^2 /NDF: 38277.2/11

Left In: 5858.873+/-1.939 χ^2 /NDF:55911.1/6

5746.550+/-1.238 χ^2 /NDF: 70379.1/17

5741.083+/-1.227 χ^2 /NDF: 100344.2/18

diff_bpm0l05Y_mean vs slug



Right In: 23.760 ± 0.675 $\chi^2/\text{NDF}: 954.7/9$

Left Out: 3.174 ± 1.105 $\chi^2/\text{NDF}: 20.3/7$

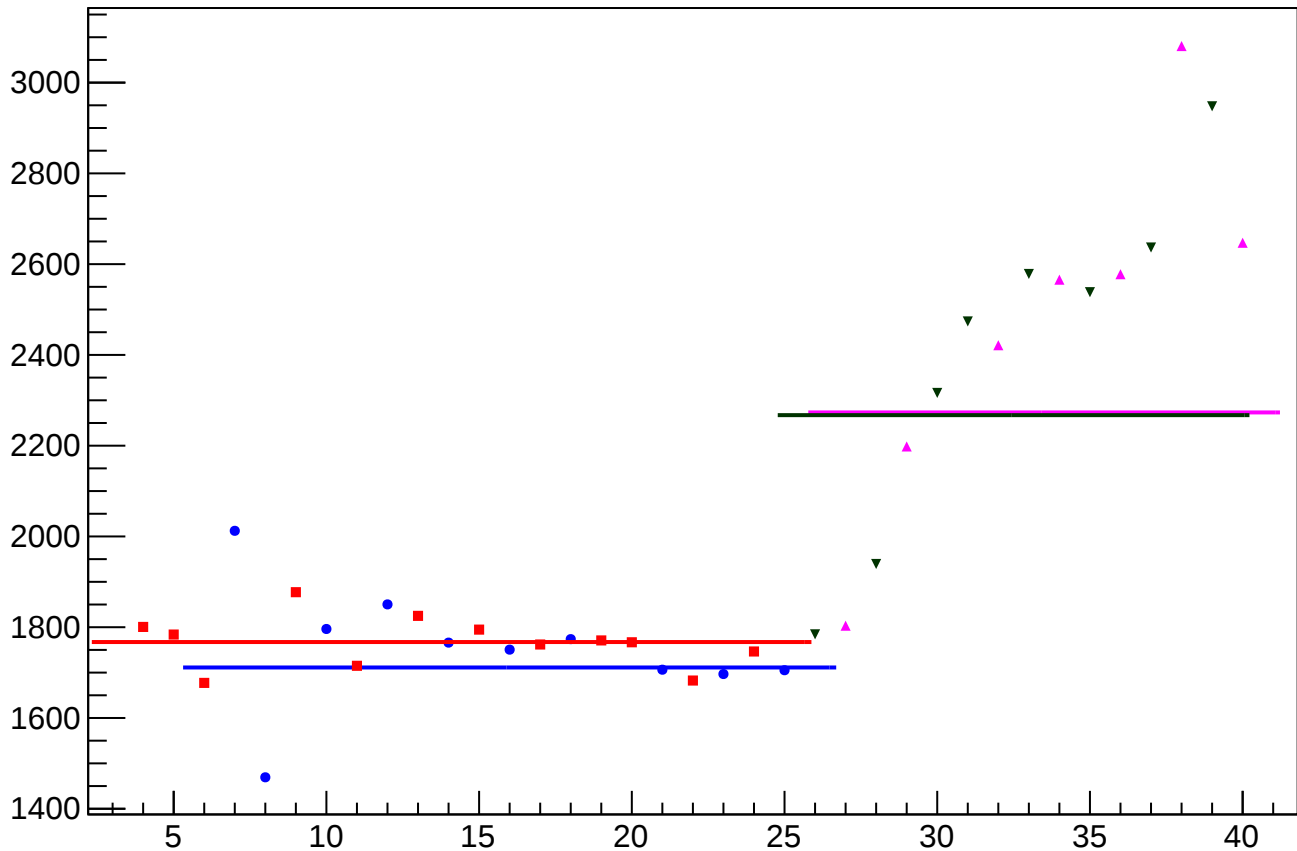
Right Out: 18.373 ± 0.699 $\chi^2/\text{NDF}: 100.0/11$

Left In: -0.277 ± 1.075 $\chi^2/\text{NDF}: 107.9/6$

18.170 ± 0.576 $\chi^2/\text{NDF}: 1227.8/17$

12.834 ± 0.586 $\chi^2/\text{NDF}: 419.5/18$

diff_bpm0l05Y_rms vs slug



Right In: 1711.281+/-0.477 χ^2/NDF : 76136.9/9

Left Out: 2267.294+/-0.781 χ^2/NDF : 233664.4/7

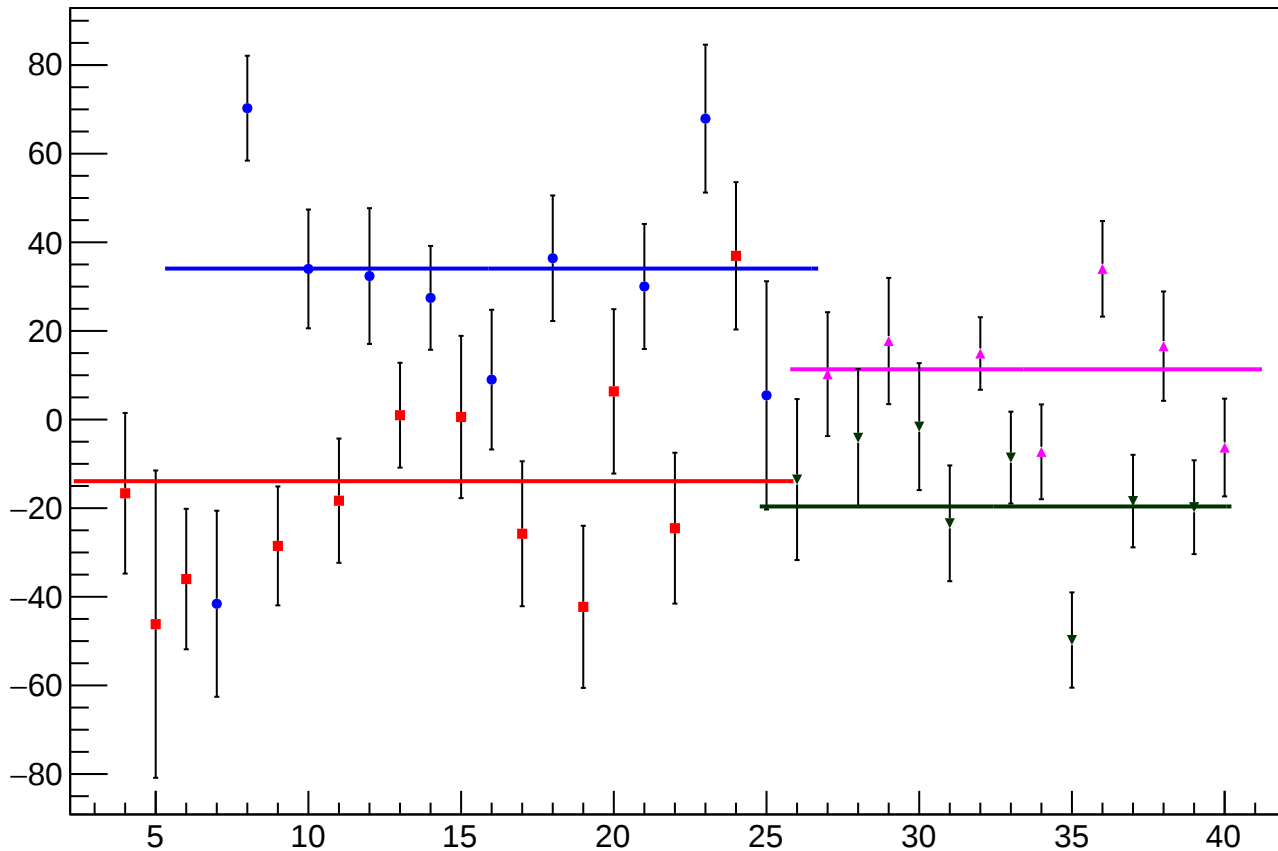
Right Out: 1767.340+/-0.494 χ^2/NDF : 15091.3/11

Left In: 2273.262+/-0.760 χ^2/NDF : 241524.6/6

1862.262+/-0.407 χ^2/NDF : 678630.3/17

1917.599+/-0.414 χ^2/NDF : 568110.7/18

diff_bpm0l06X_mean vs slug



Right In: 34.072 ± 4.681 $\chi^2/\text{NDF}: 30.7/9$

Left Out: -19.621 ± 4.306 $\chi^2/\text{NDF}: 11.8/7$

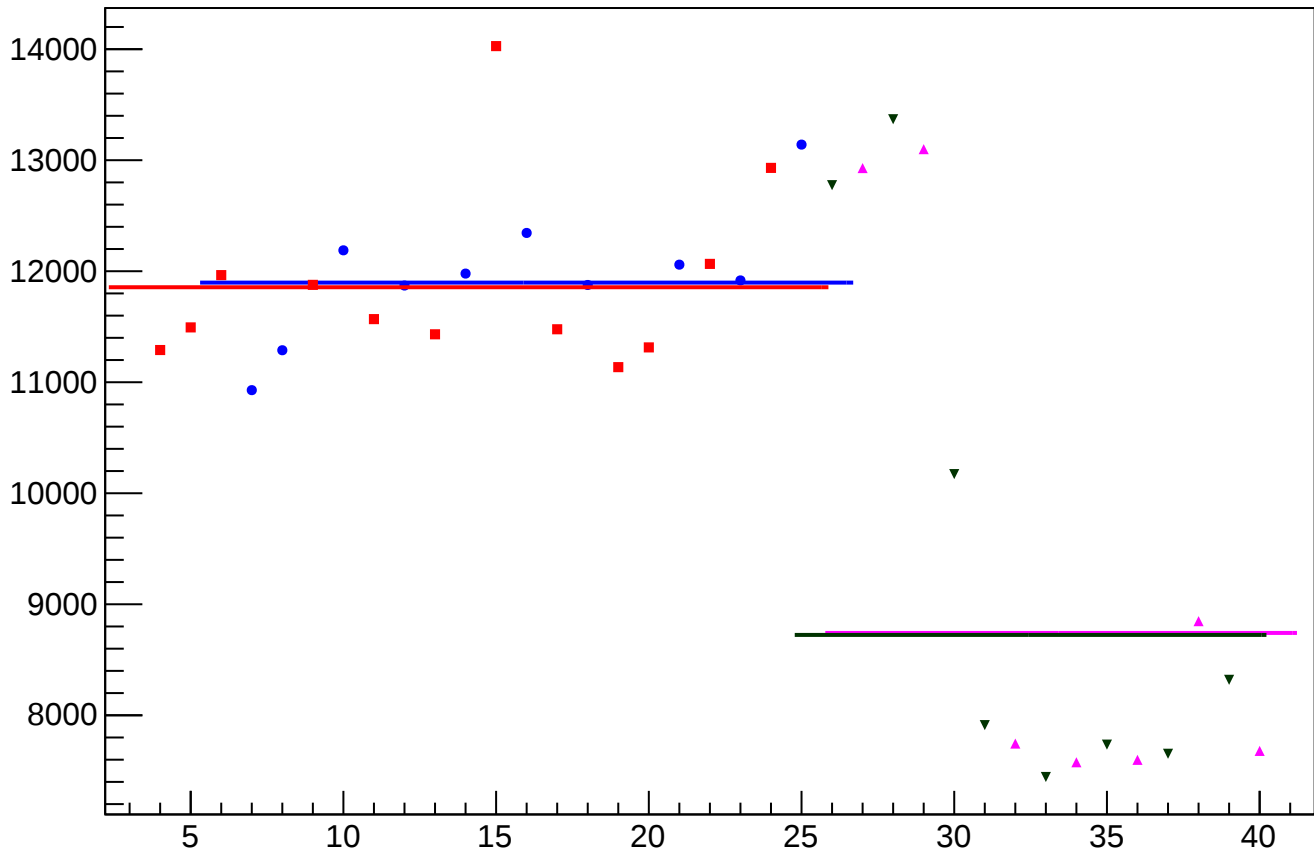
Right Out: -13.904 ± 4.697 $\chi^2/\text{NDF}: 20.2/11$

Left In: 11.343 ± 4.185 $\chi^2/\text{NDF}: 10.6/6$

4.987 ± 3.169 $\chi^2/\text{NDF}: 113.7/17$

0.170 ± 3.125 $\chi^2/\text{NDF}: 46.9/18$

diff_bpm0l06X_rms vs slug



Right In: 11897.425+/-3.310 χ^2/NDF : 17144.3/9

Left Out: 8723.903+/-3.045 χ^2/NDF : 378067.0/7

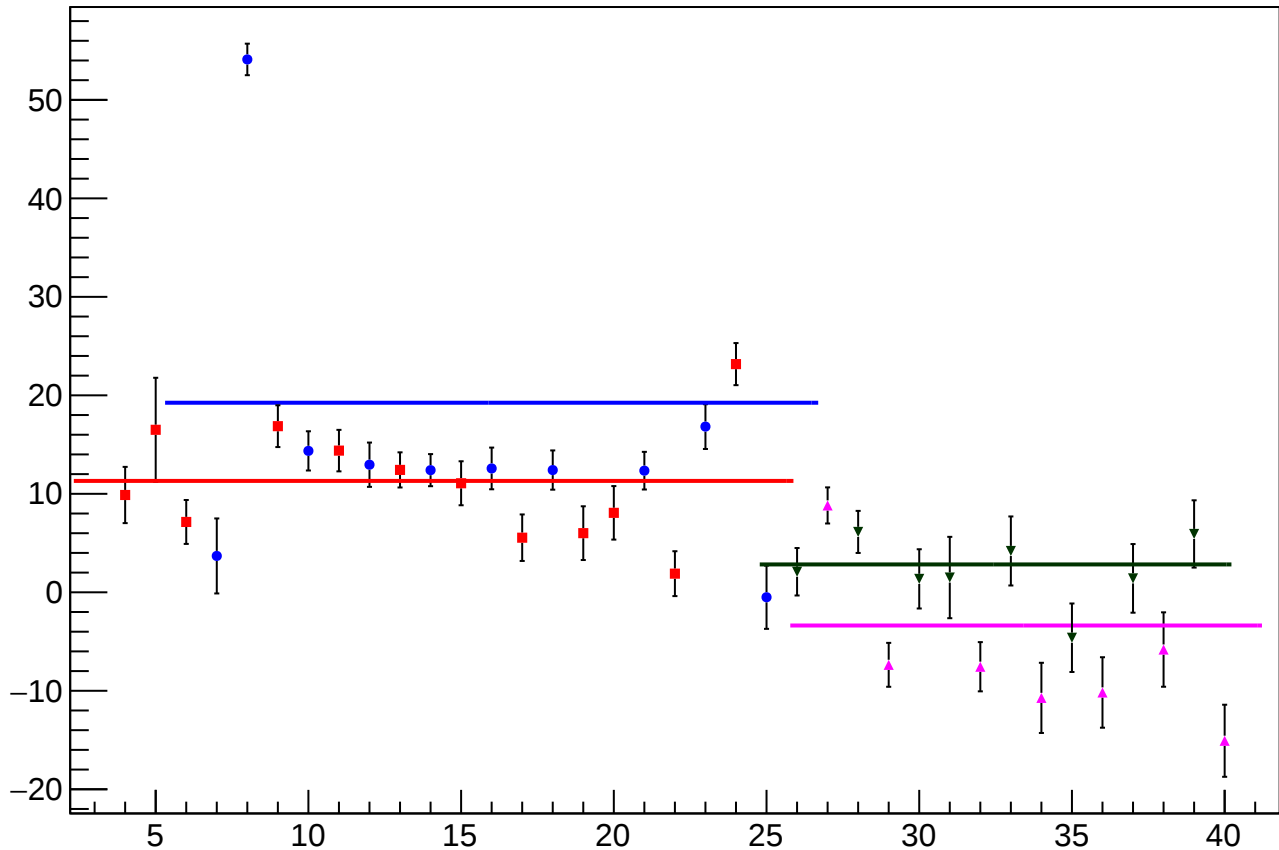
Right Out: 11855.642+/-3.322 χ^2/NDF : 48354.6/11

Left In: 8741.810+/-2.960 χ^2/NDF : 461137.4/6

10178.367+/-2.241 χ^2/NDF : 893136.9/17

10119.866+/-2.210 χ^2/NDF : 999404.4/18

diff_bpm0l06Y_mean vs slug



Right In: 19.249+/-0.656 χ^2/NDF : 596.3/9

Left Out: 2.830+/-1.058 χ^2/NDF : 8.5/7

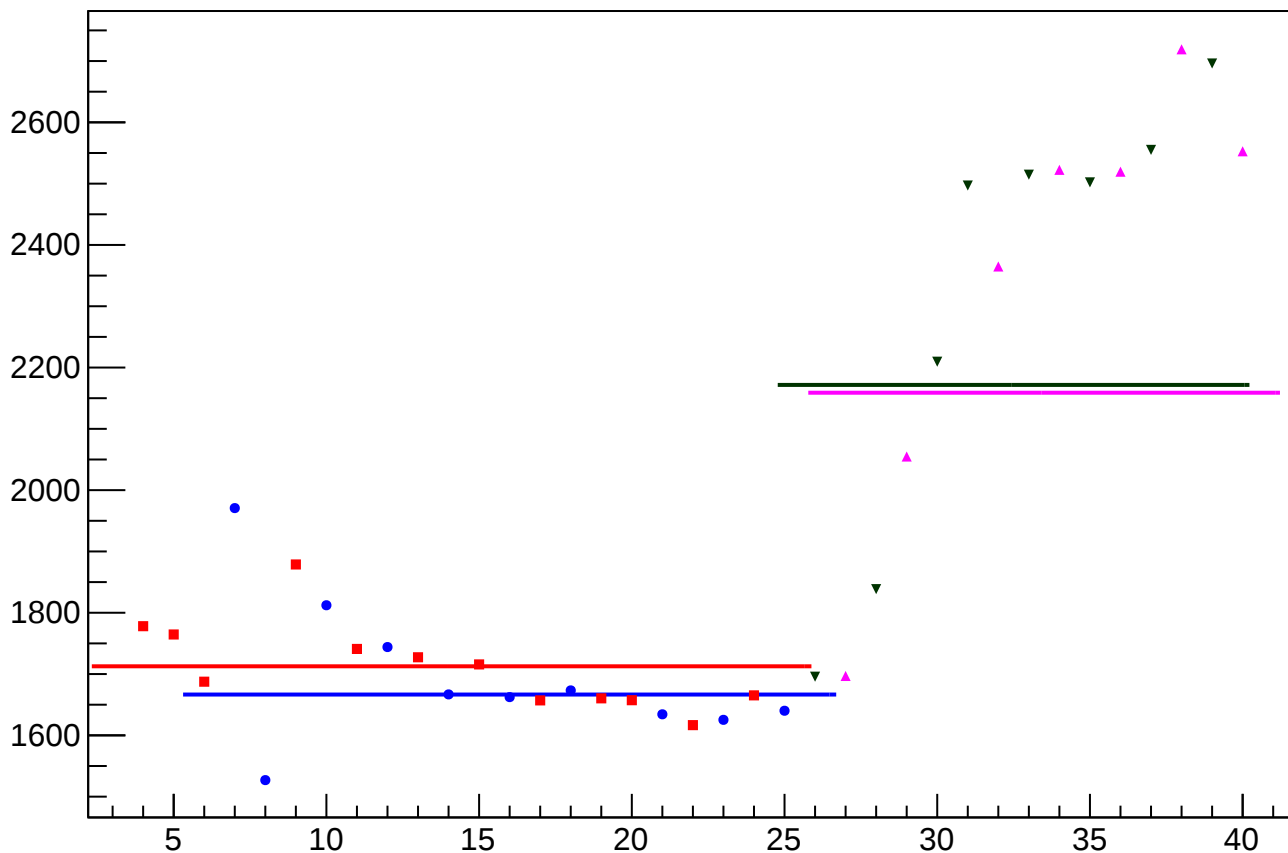
Right Out: 11.311+/-0.677 χ^2/NDF : 73.1/11

Left In: -3.371+/-1.020 χ^2/NDF : 68.8/6

14.694+/-0.557 χ^2/NDF : 778.7/17

6.824+/-0.564 χ^2/NDF : 285.7/18

diff_bpm0l06Y_rms vs slug



Right In: 1666.575+/-0.464 χ^2 /NDF: 42439.0/9

Left Out: 2171.662+/-0.748 χ^2 /NDF:247948.6/7

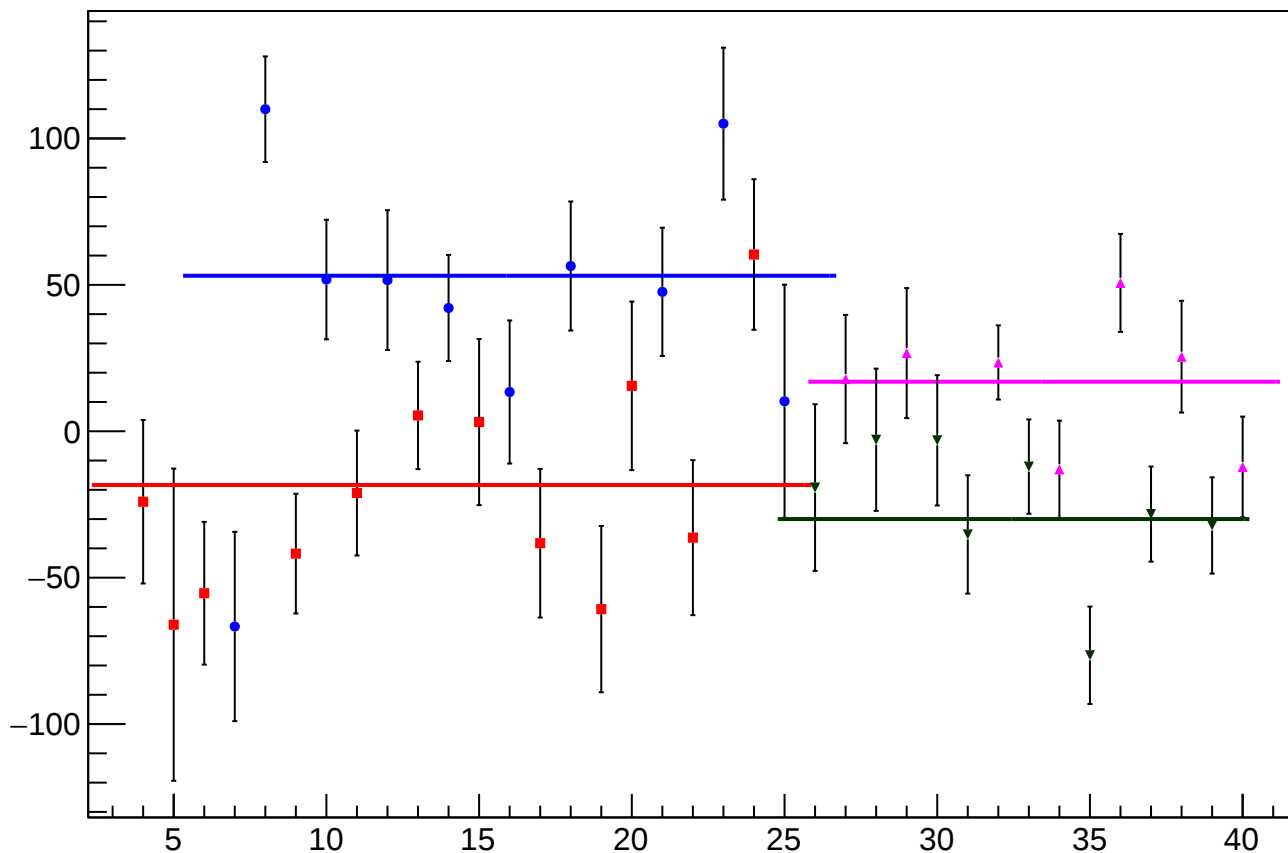
Right Out: 1712.647+/-0.479 χ^2 /NDF: 21464.2/11

Left In: 2158.939+/-0.722 χ^2 /NDF:253290.4/6

1806.695+/-0.394 χ^2 /NDF: 619507.0/17

1849.030+/-0.399 χ^2 /NDF: 540433.9/18

diff_bpm0l07X_mean vs slug



Right In: 53.110 $\pm$ 7.223 χ^2 /NDF: 31.9/9

Left Out: -29.988 $\pm$ 6.688 χ^2 /NDF:12.0/7

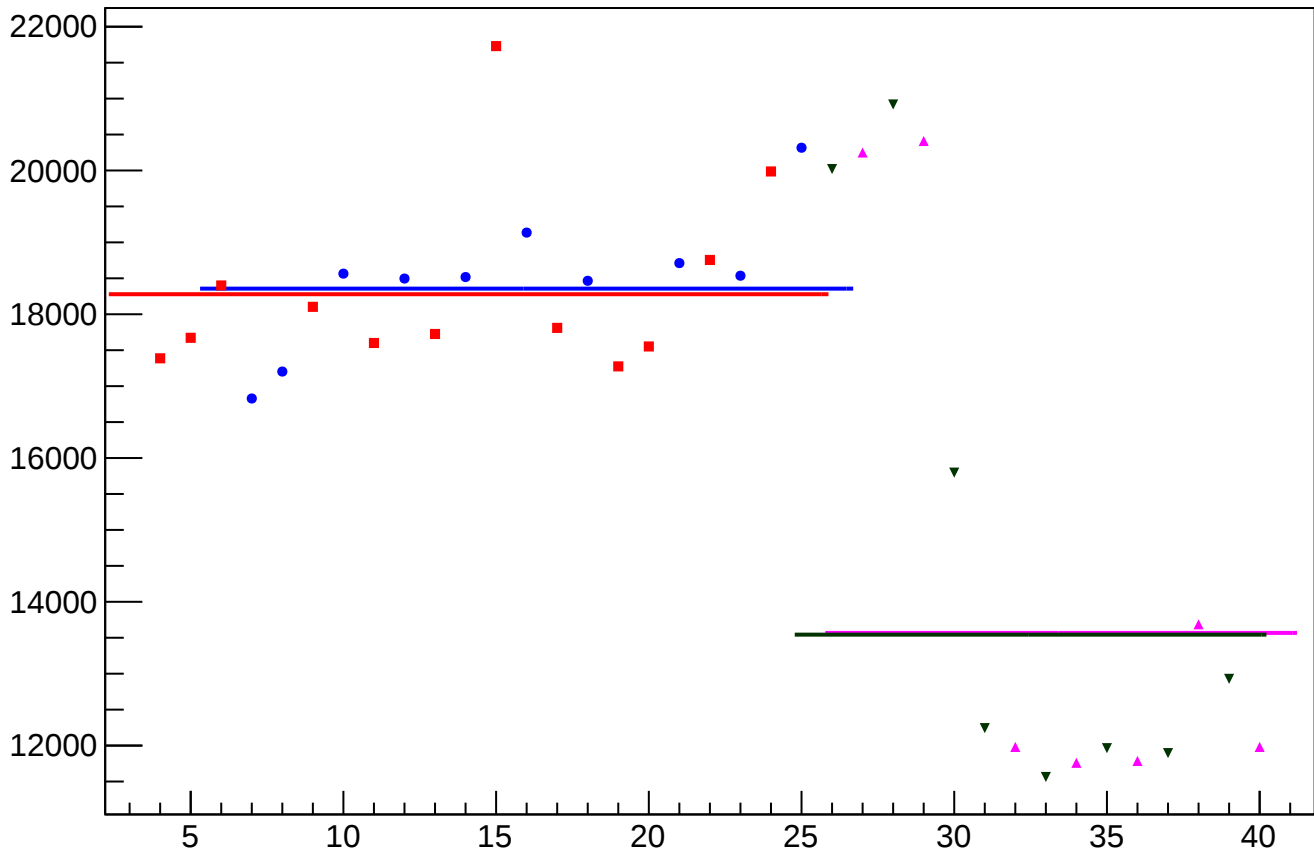
Right Out: -18.361 $\pm$ 7.243 χ^2 /NDF: 20.8/11

Left In: 16.911 $\pm$ 6.499 χ^2 /NDF:10.8/6

8.369 $\pm$ 4.908 χ^2 /NDF: 115.2/17

1.178 $\pm$ 4.837 χ^2 /NDF: 44.8/18

diff_bpm0l07X_rms vs slug



Right In: 18356.519+/-5.108 χ^2/NDF : 20645.2/9

Left Out: 13543.154+/-4.729 χ^2/NDF : 388432.9/7

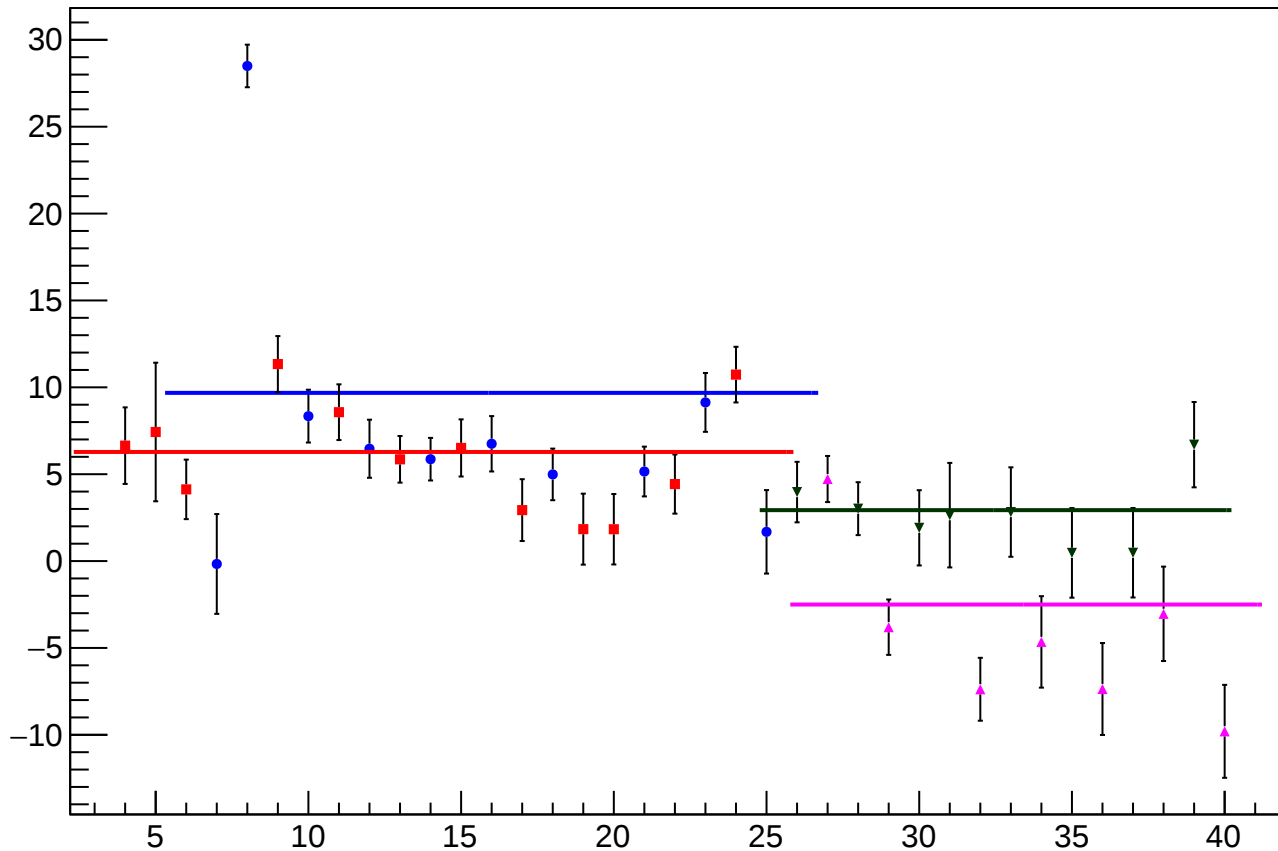
15764.924+/-3.470 χ^2/NDF : 887223.1/17

Right Out: 18278.807+/-5.121 χ^2/NDF : 49891.5/11

15668.860+/-3.420 χ^2/NDF : 989989.7/18

Left In: 13567.294+/-4.595 χ^2/NDF : 471242.0/6

diff_bpm0l07Y_mean vs slug



Right In: 9.681 ± 0.494 χ^2/NDF : 296.3/9

Left Out: 2.931 ± 0.766 χ^2/NDF : 4.8/7

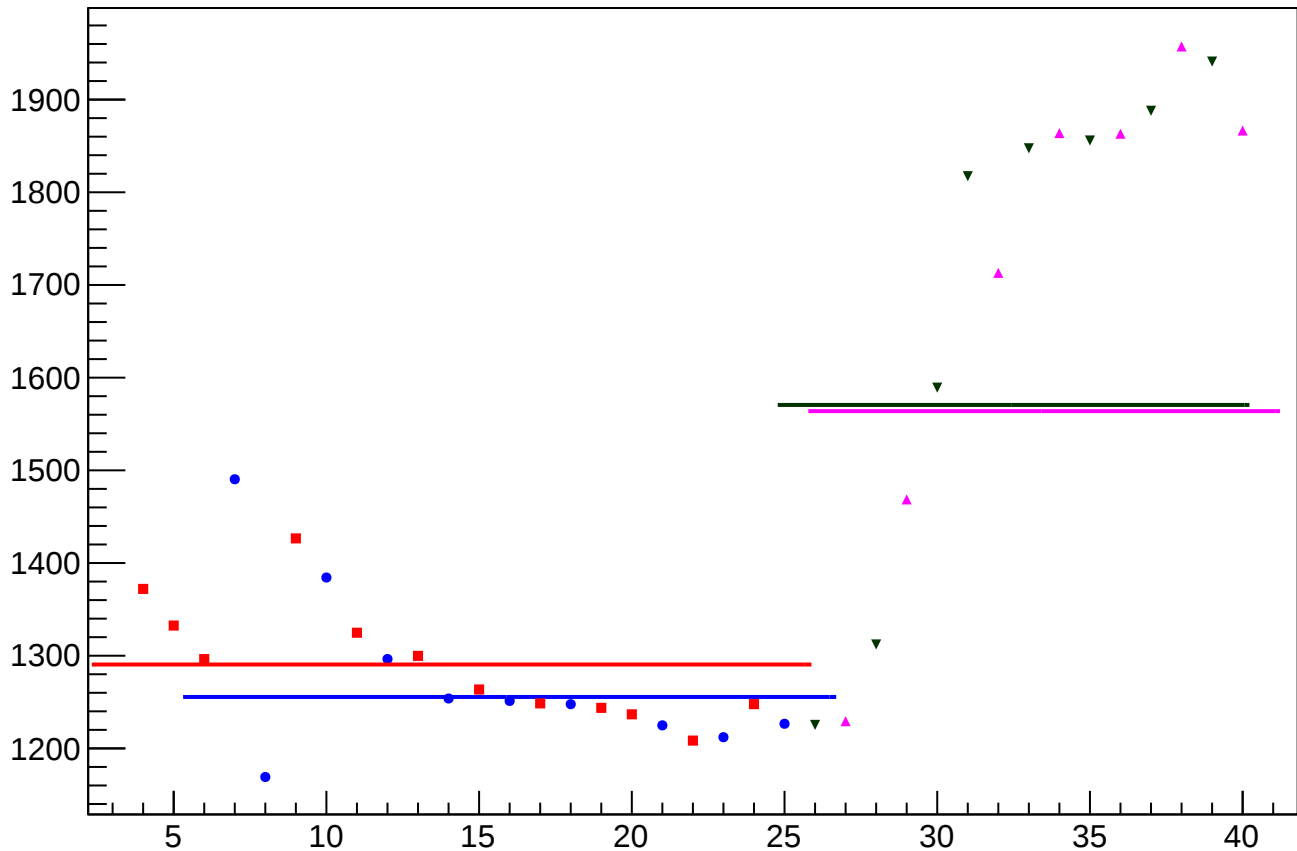
Right Out: 6.280 ± 0.510 χ^2/NDF : 35.7/11

Left In: -2.502 ± 0.740 χ^2/NDF : 49.1/6

7.701 ± 0.415 χ^2/NDF : 355.9/17

3.449 ± 0.420 χ^2/NDF : 180.3/18

diff_bpm0l07Y_rms vs slug



Right In: 1255.503 ± 0.349 χ^2/NDF : 41466.5/9

Left Out: 1570.565 ± 0.542 χ^2/NDF : 273330.6/7

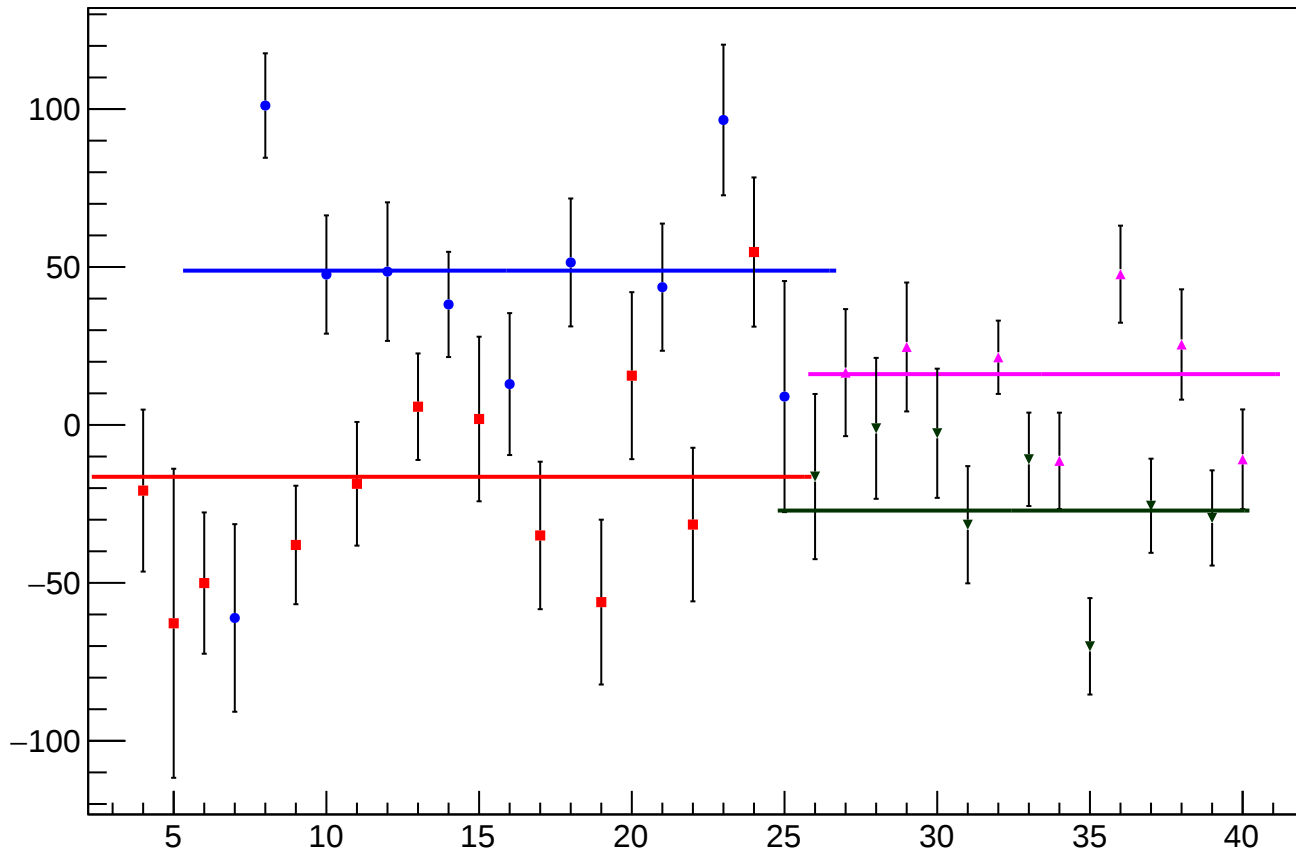
Right Out: 1290.505 ± 0.361 χ^2/NDF : 28459.4/11

Left In: 1563.888 ± 0.523 χ^2/NDF : 266845.8/6

1347.955 ± 0.294 χ^2/NDF : 553639.1/17

1378.638 ± 0.297 χ^2/NDF : 480510.7/18

diff_bpm0l08X_mean vs slug



Right In: 48.850 ± 6.634 $\chi^2/\text{NDF}: 31.9/9$

Left Out: -27.107 ± 6.138 $\chi^2/\text{NDF}: 12.2/7$

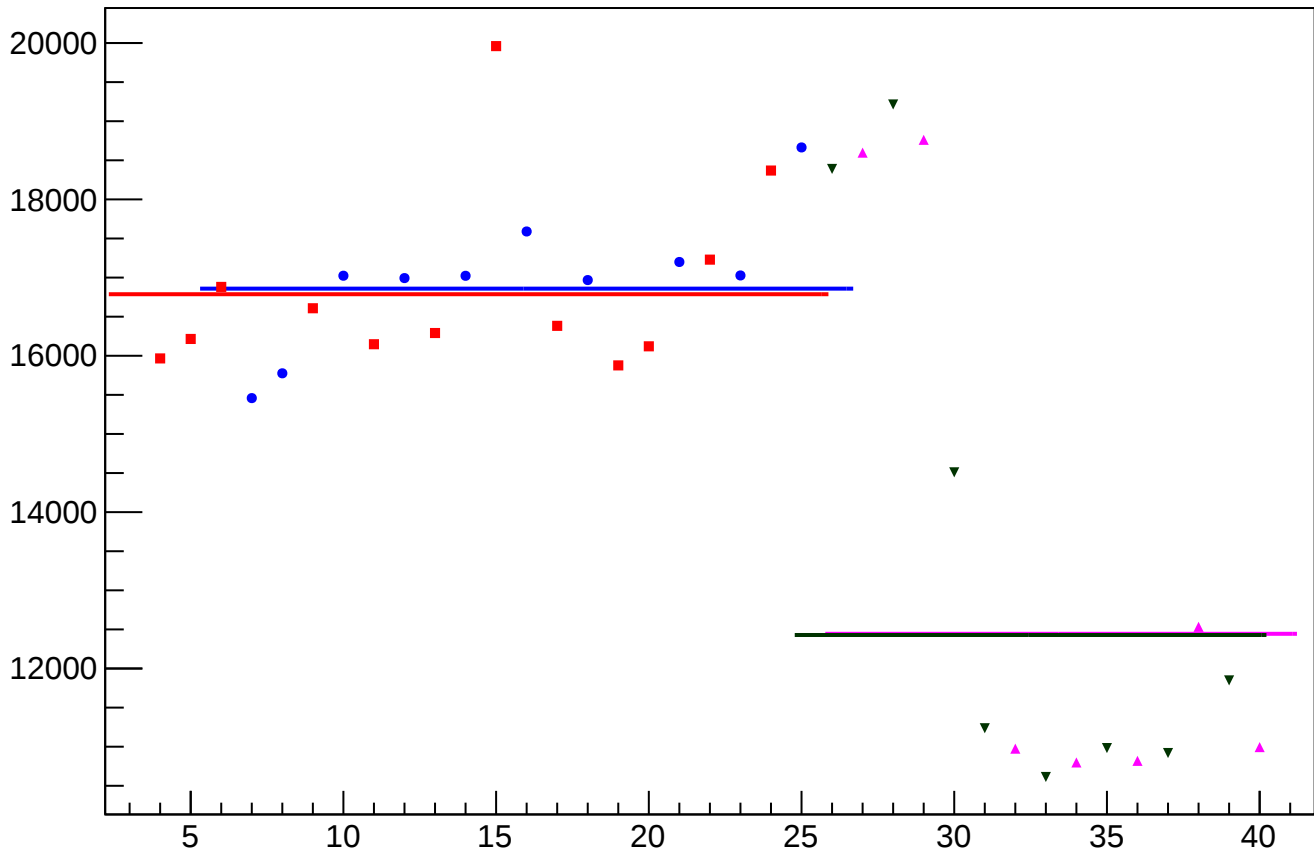
Right Out: -16.413 ± 6.651 $\chi^2/\text{NDF}: 20.6/11$

Left In: 16.086 ± 5.962 $\chi^2/\text{NDF}: 11.1/6$

7.927 ± 4.505 $\chi^2/\text{NDF}: 114.8/17$

1.609 ± 4.439 $\chi^2/\text{NDF}: 44.9/18$

diff_bpm0l08X_rms vs slug



Right In: 16858.609 $\pm$ 4.691 χ^2 /NDF: 21176.8/9

Left Out: 12428.691 $\pm$ 4.340 χ^2 /NDF: 389592.9/7

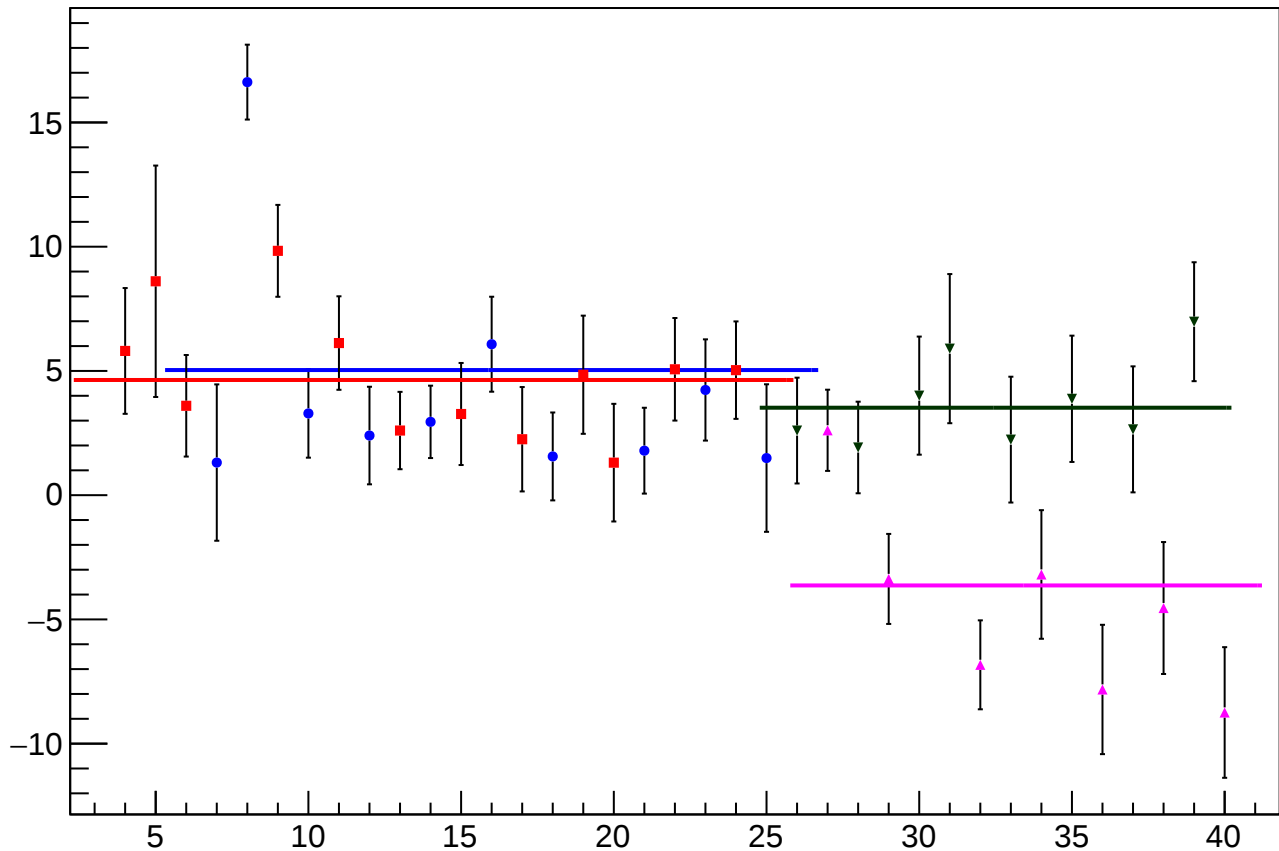
Right Out: 16787.169 $\pm$ 4.703 χ^2 /NDF: 50027.0/11

Left In: 12443.894 $\pm$ 4.215 χ^2 /NDF: 473788.5/6

14471.926 $\pm$ 3.186 χ^2 /NDF: 891237.7/17

14378.676 $\pm$ 3.139 χ^2 /NDF: 996705.4/18

diff_bpm0l08Y_mean vs slug



Right In: 5.036 ± 0.590 $\chi^2/\text{NDF}: 74.6/9$

Left Out: 3.520 ± 0.832 $\chi^2/\text{NDF}: 4.1/7$

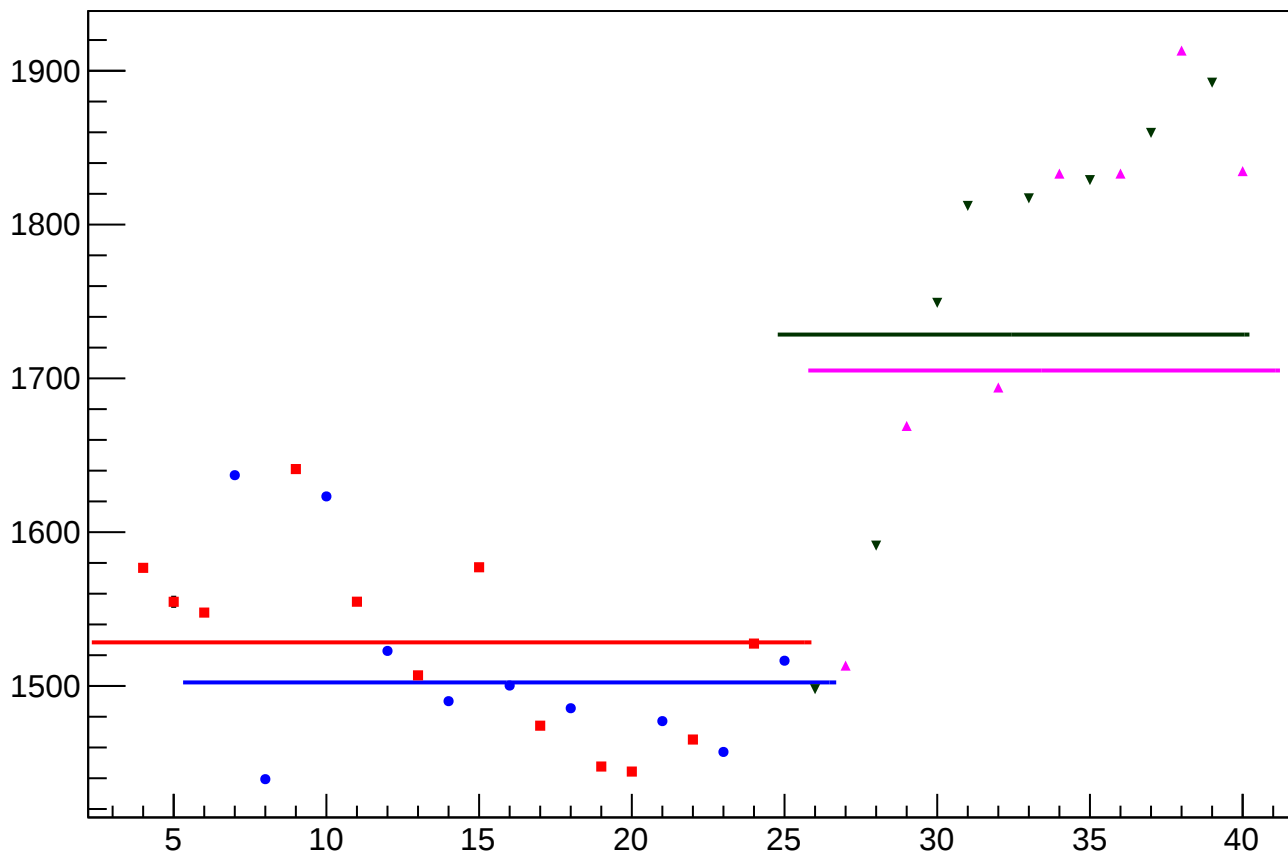
Right Out: 4.636 ± 0.604 $\chi^2/\text{NDF}: 15.2/11$

Left In: -3.633 ± 0.797 $\chi^2/\text{NDF}: 24.3/6$

4.528 ± 0.481 $\chi^2/\text{NDF}: 80.9/17$

1.620 ± 0.481 $\chi^2/\text{NDF}: 108.0/18$

diff_bpm0l08Y_rms vs slug



Right In: 1502.304+/-0.417 χ^2/NDF : 18372.8/9

Left Out: 1728.487+/-0.588 χ^2/NDF : 56546.0/7

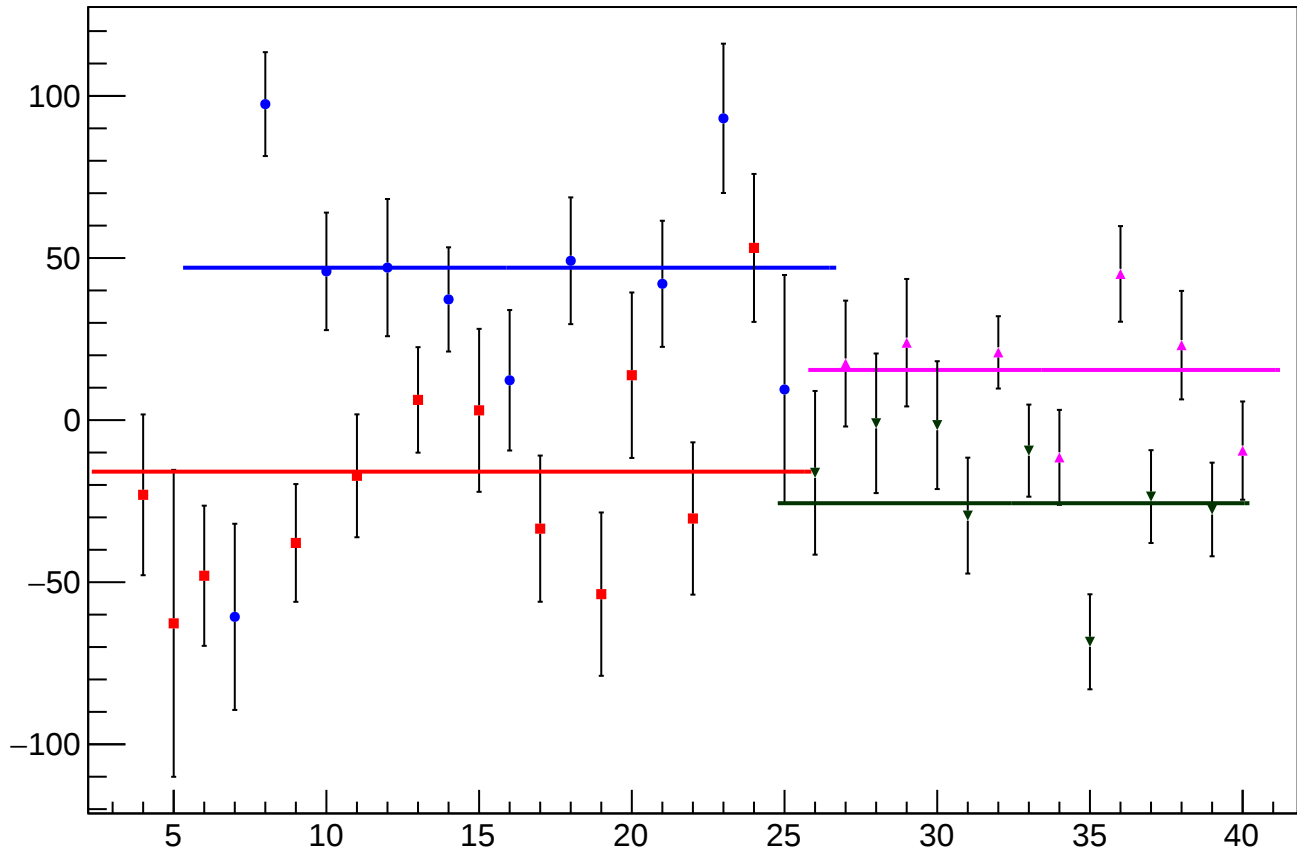
Right Out: 1528.347+/-0.427 χ^2/NDF : 18336.6/11

Left In: 1705.124+/-0.563 χ^2/NDF : 55324.1/6

1578.014+/-0.340 χ^2/NDF : 173224.6/17

1592.822+/-0.340 χ^2/NDF : 136190.7/18

diff_bpm0l09X_mean vs slug



Right In: 47.015 $\pm$ 6.411 χ^2 /NDF: 32.1/9

Left Out: -25.633 $\pm$ 5.902 χ^2 /NDF:12.8/7

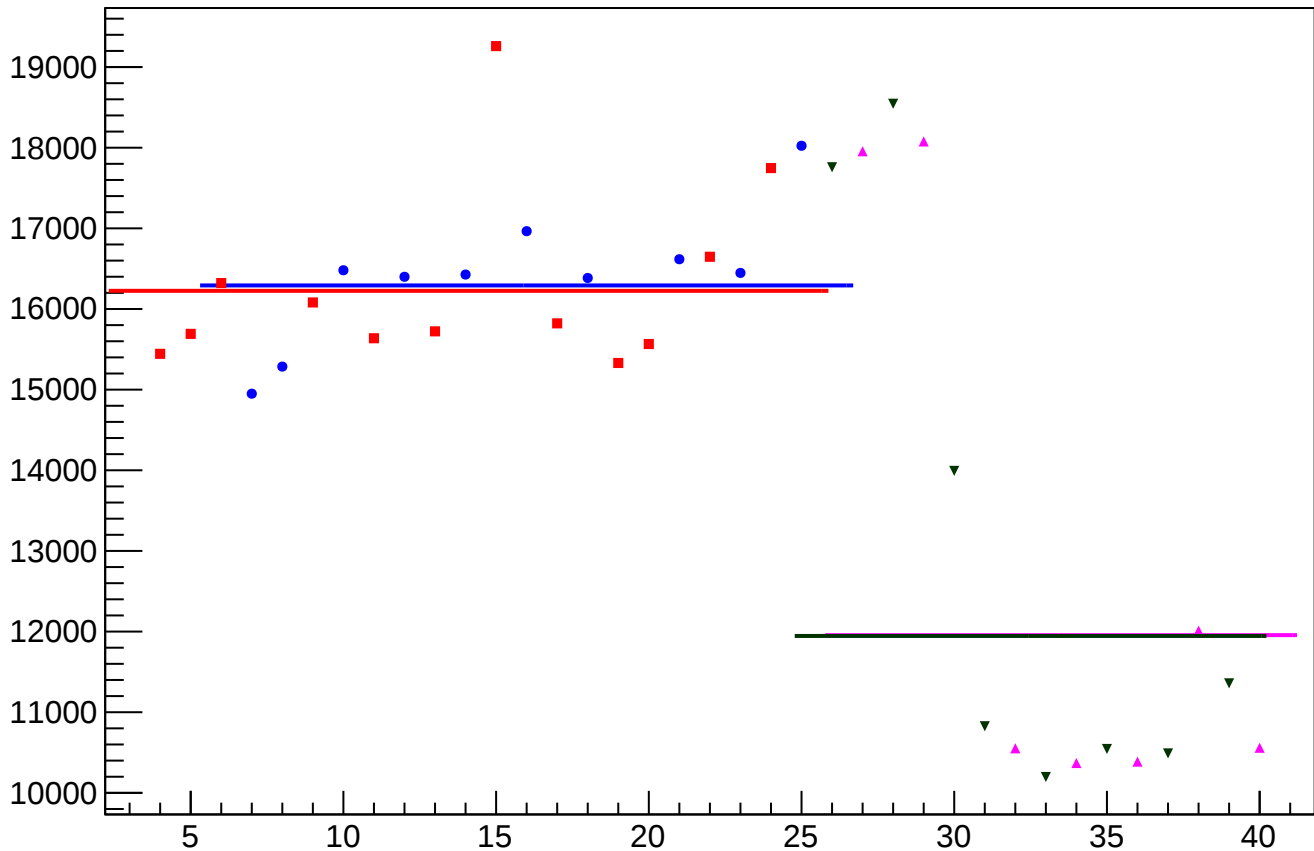
Right Out: -15.898 $\pm$ 6.429 χ^2 /NDF: 20.9/11

Left In: 15.476 $\pm$ 5.730 χ^2 /NDF:10.8/6

7.693 $\pm$ 4.342 χ^2 /NDF: 114.5/17

1.588 $\pm$ 4.277 χ^2 /NDF: 44.9/18

diff_bpm0l09X_rms vs slug



Right In: 16292.193+/-4.533 χ^2/NDF : 20100.0/9

Left Out: 11945.763+/-4.173 χ^2/NDF : 395880.4/7

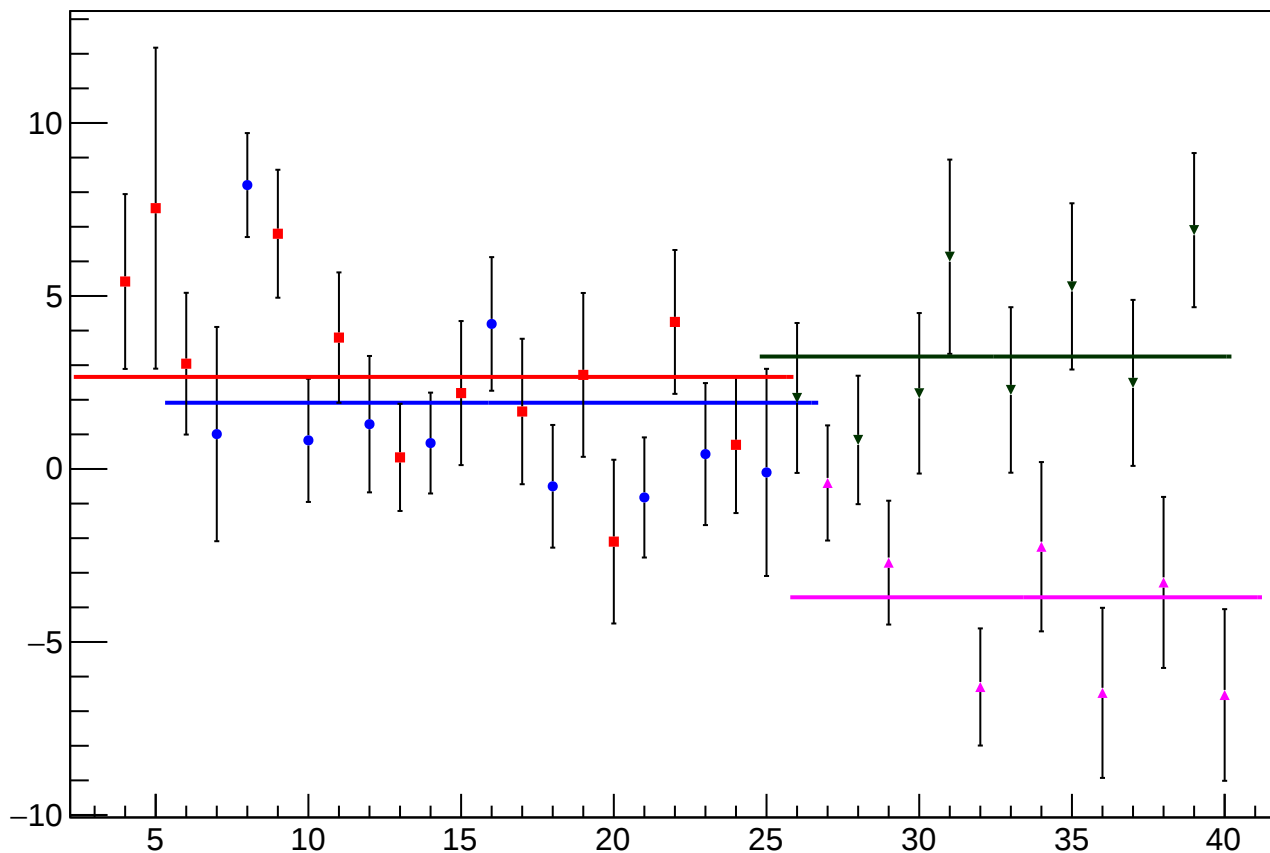
13939.579+/-3.070 χ^2/NDF : 913585.5/17

Right Out: 16225.365+/-4.546 χ^2/NDF : 49424.2/11

13845.867+/-3.024 χ^2/NDF : 1020820.2/18

Left In: 11955.773+/-4.051 χ^2/NDF : 479739.1/6

diff_bpm0l09Y_mean vs slug



Right In: 1.914 ± 0.592 $\chi^2/\text{NDF}: 25.4/9$

Left Out: 3.250 ± 0.806 $\chi^2/\text{NDF}: 6.9/7$

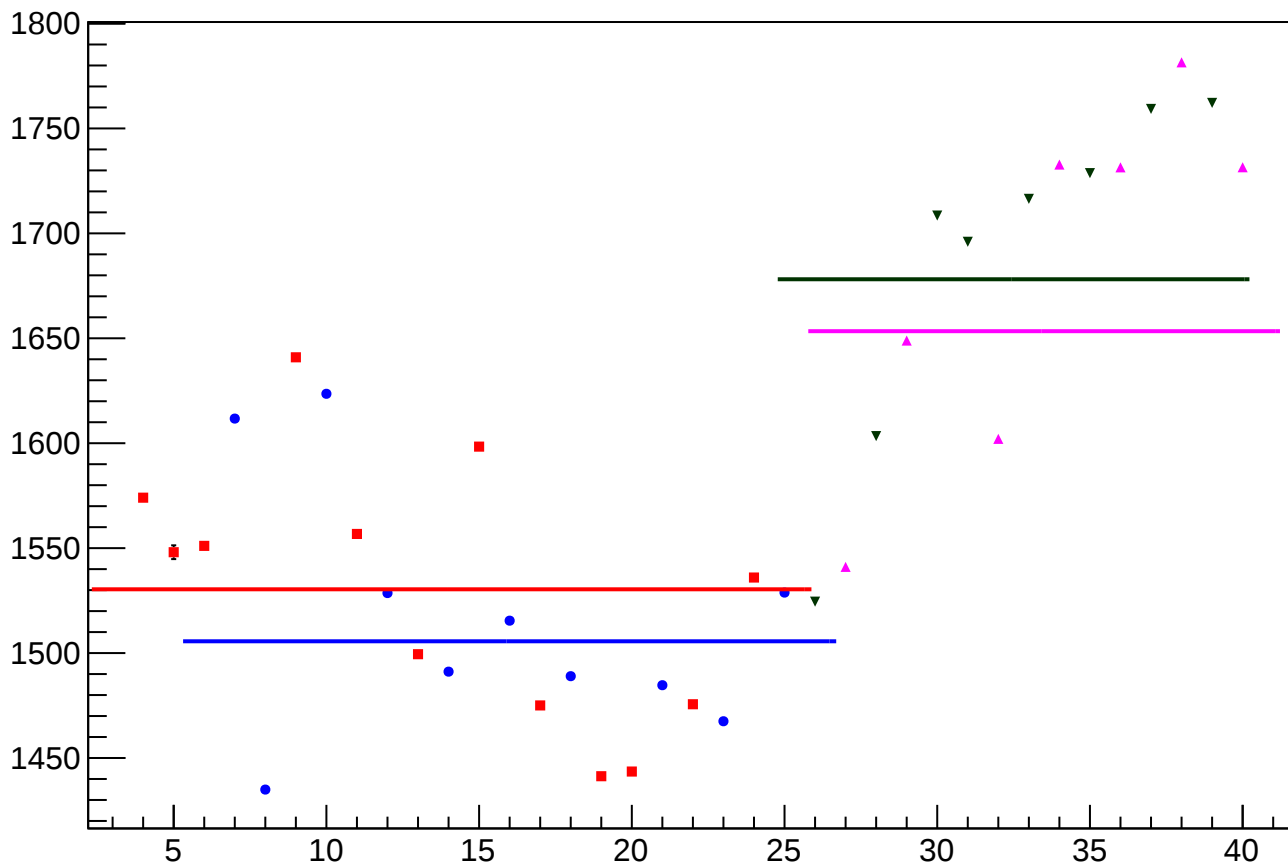
Right Out: 2.661 ± 0.605 $\chi^2/\text{NDF}: 15.9/11$

Left In: -3.708 ± 0.771 $\chi^2/\text{NDF}: 9.5/6$

2.382 ± 0.477 $\chi^2/\text{NDF}: 34.1/17$

0.236 ± 0.476 $\chi^2/\text{NDF}: 67.6/18$

diff_bpm0l09Y_rms vs slug



Right In: 1505.616 $\pm$ 0.418 χ^2 /NDF: 17340.1/9

Left Out: 1678.127 $\pm$ 0.570 χ^2 /NDF: 20256.9/7

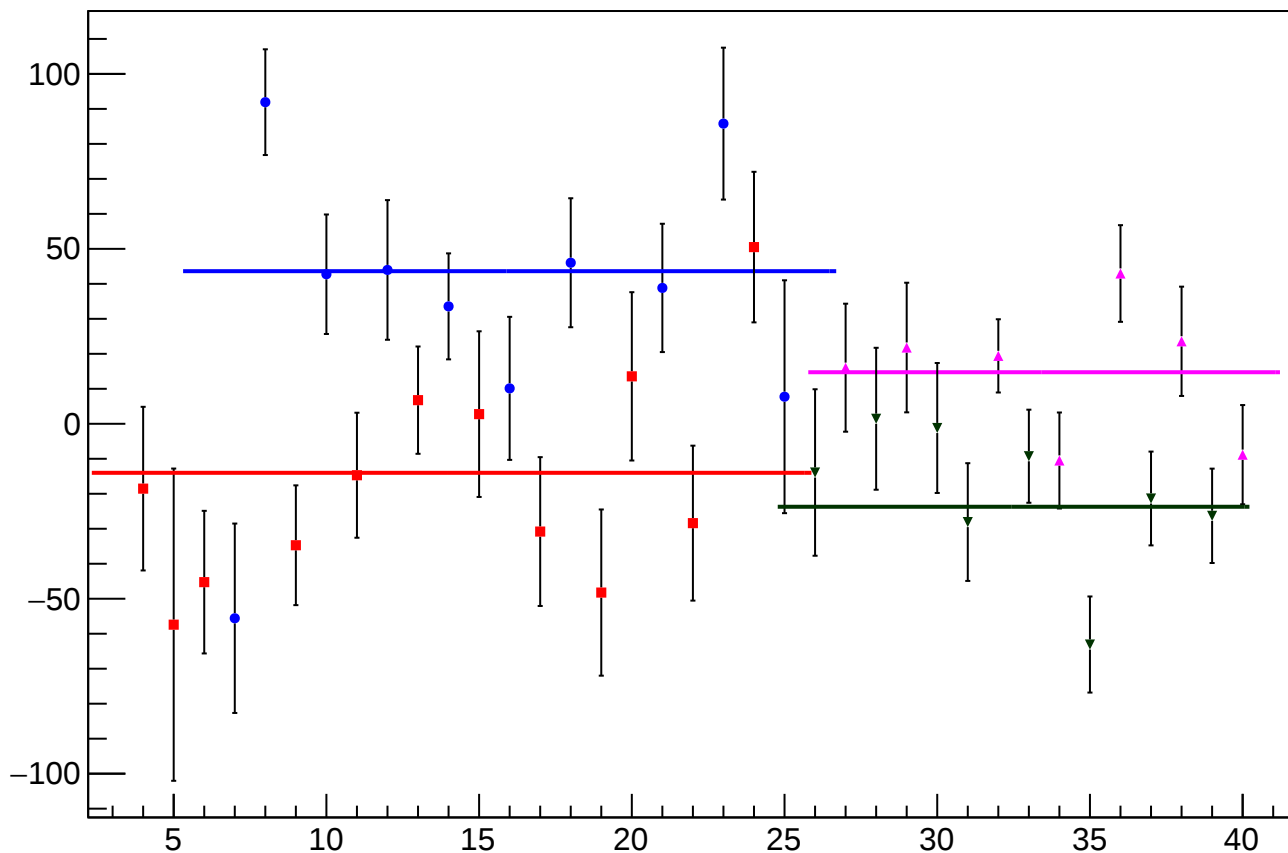
Right Out: 1530.389 $\pm$ 0.428 χ^2 /NDF: 19618.0/11

Left In: 1653.384 $\pm$ 0.545 χ^2 /NDF: 22440.5/6

1566.010 $\pm$ 0.337 χ^2 /NDF: 97143.7/17

1577.209 $\pm$ 0.336 χ^2 /NDF: 73559.7/18

diff_bpm0l10X_mean vs slug



Right In: 43.620 ± 6.044 $\chi^2/\text{NDF}: 31.8/9$

Left Out: -23.713 ± 5.534 $\chi^2/\text{NDF}: 12.7/7$

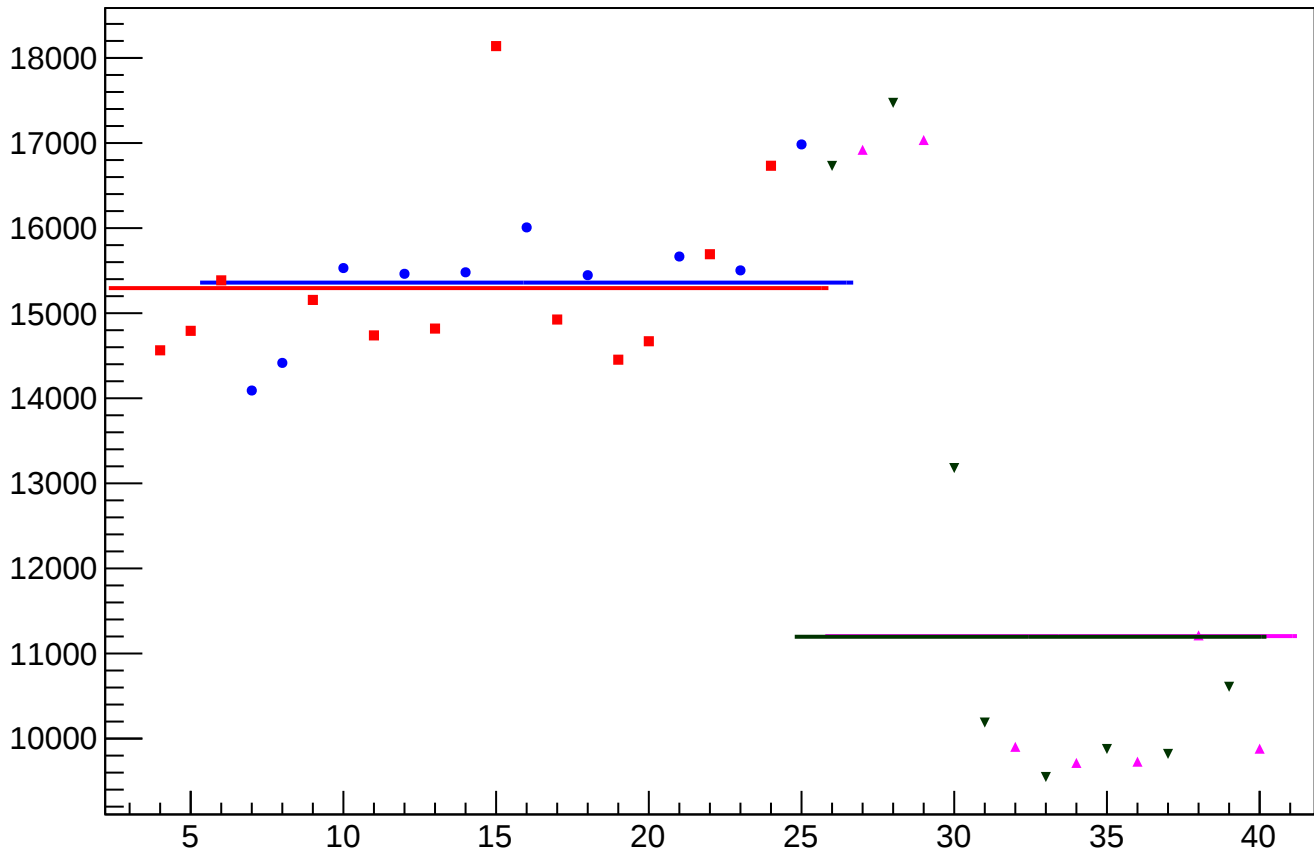
Right Out: -14.010 ± 6.060 $\chi^2/\text{NDF}: 20.6/11$

Left In: 14.736 ± 5.372 $\chi^2/\text{NDF}: 11.0/6$

6.997 ± 4.082 $\chi^2/\text{NDF}: 112.0/17$

2.086 ± 4.020 $\chi^2/\text{NDF}: 44.1/18$

diff_bpm0l10X_rms vs slug



Right In: 15359.560 $\pm$ 4.274 χ^2 /NDF: 20044.9/9

Left Out: 11196.891 $\pm$ 3.913 χ^2 /NDF: 403724.2/7

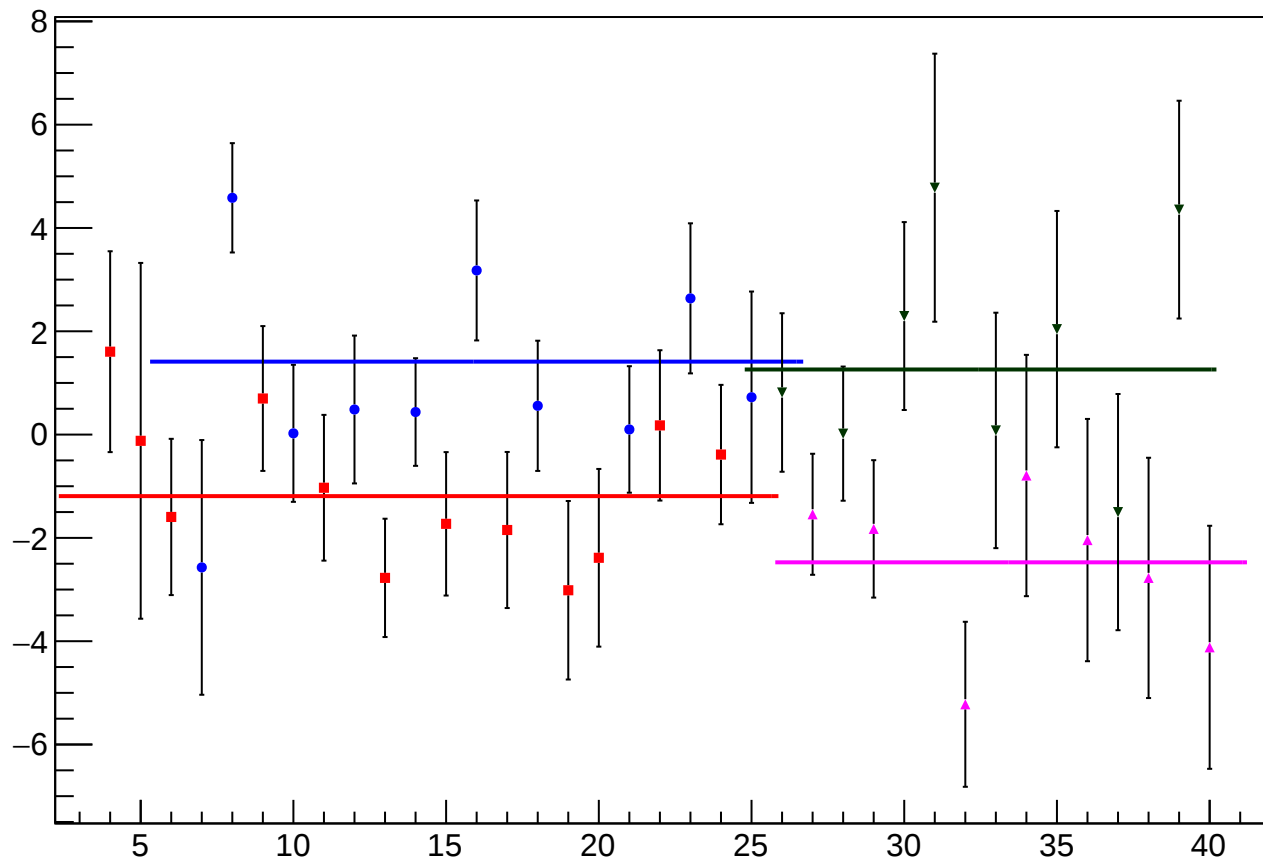
13095.409 $\pm$ 2.886 χ^2 /NDF: 939824.3/17

Right Out: 15294.772 $\pm$ 4.285 χ^2 /NDF: 49160.5/11

13004.491 $\pm$ 2.842 χ^2 /NDF: 1047531.5/18

Left In: 11204.615 $\pm$ 3.799 χ^2 /NDF: 488169.0/6

diff_bpm0l10Y_mean vs slug



Right In: 1.412 ± 0.423 $\chi^2/\text{NDF}: 18.1/9$

Left Out: 1.260 ± 0.664 $\chi^2/\text{NDF}: 7.2/7$

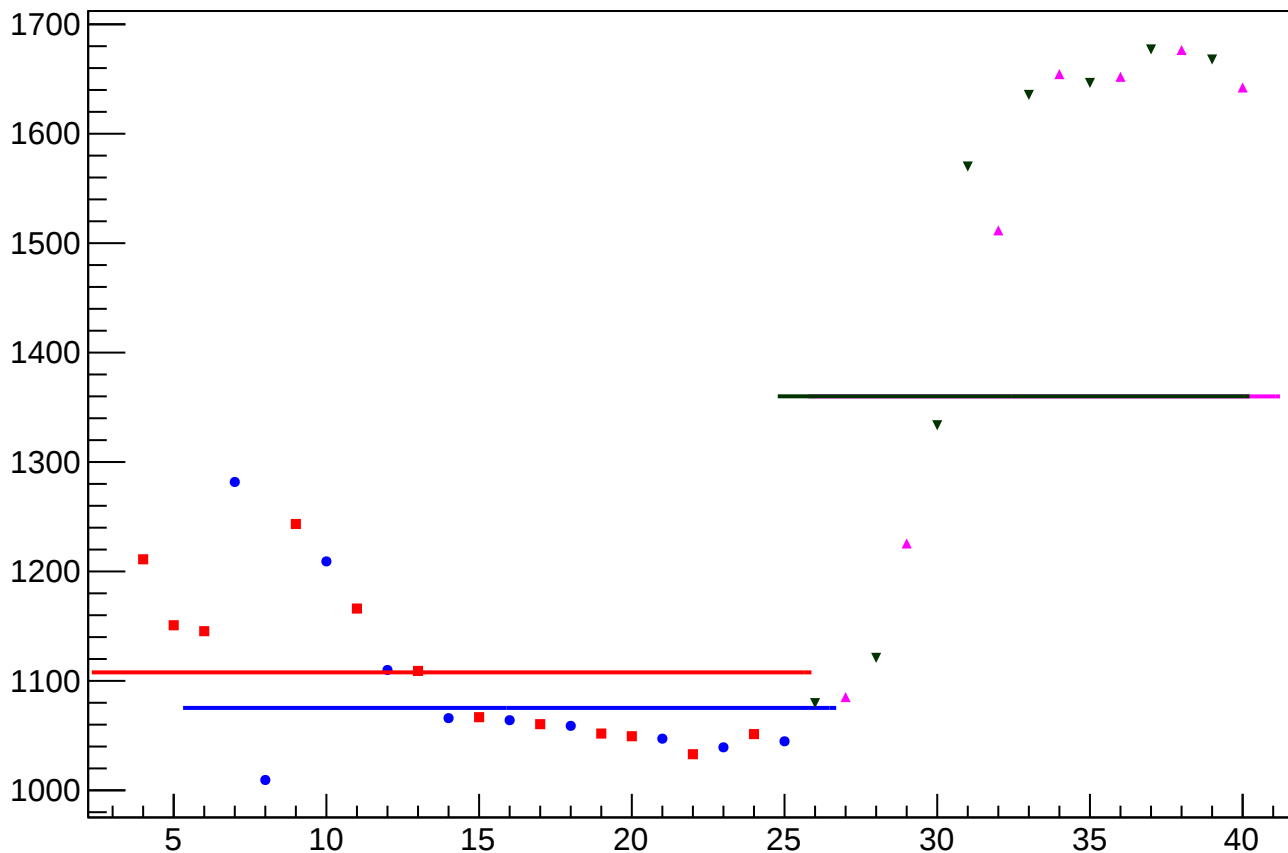
1.368 ± 0.357 $\chi^2/\text{NDF}: 25.3/17$

Right Out: -1.191 ± 0.438 $\chi^2/\text{NDF}: 9.1/11$

-1.597 ± 0.362 $\chi^2/\text{NDF}: 16.7/18$

Left In: -2.473 ± 0.643 $\chi^2/\text{NDF}: 4.9/6$

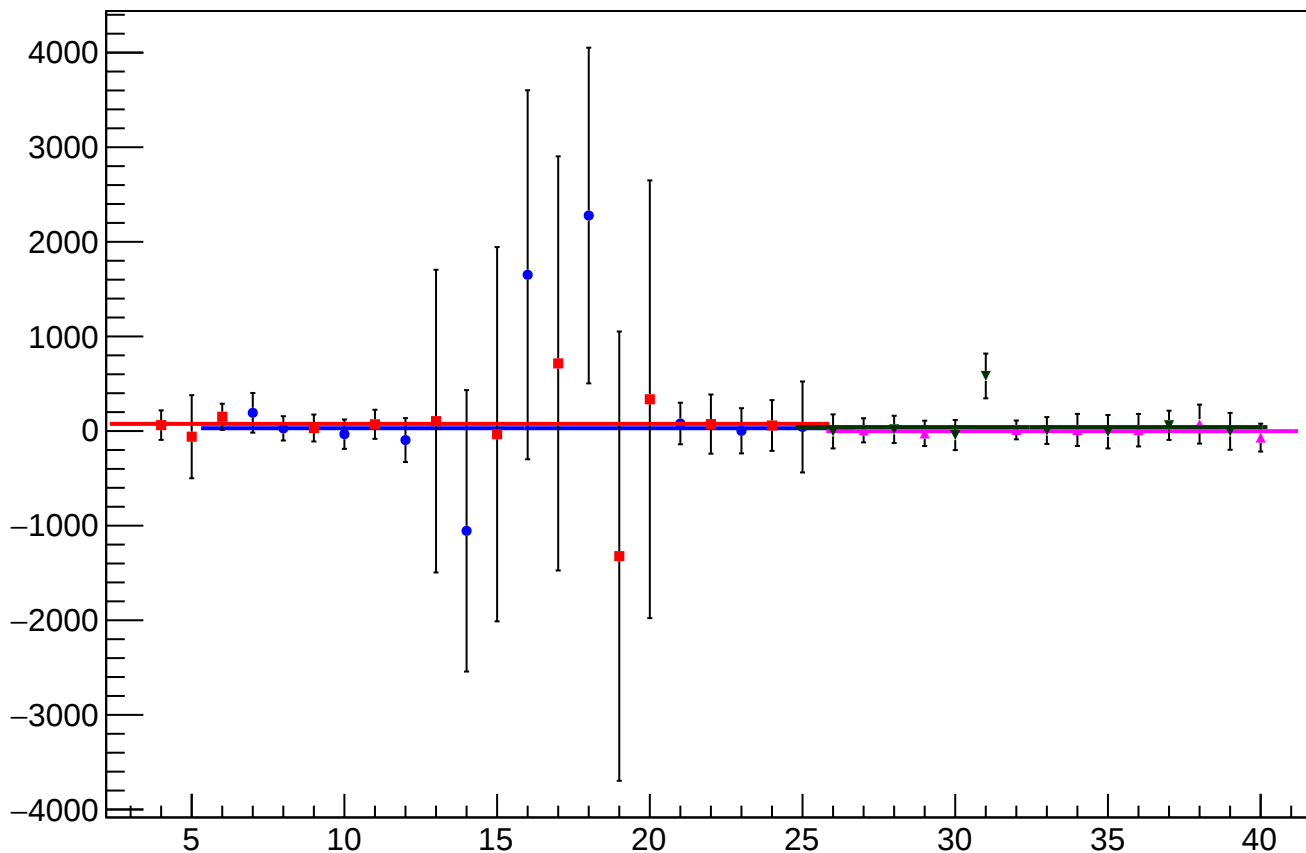
diff_bpm0l10Y_rms vs slug



Right In: 1075.302+/-0.299 χ^2/NDF : 46677.3/9
 Left Out: 1360.047+/-0.469 χ^2/NDF : 289648.1/7
 Right Out: 1107.774+/-0.310 χ^2/NDF : 46212.9/11
 Left In: 1359.960+/-0.455 χ^2/NDF : 277096.1/6

1157.506+/-0.252 χ^2/NDF : 597964.7/17
 1187.668+/-0.256 χ^2/NDF : 533283.7/18

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs slug



Right In: 29.643 ± 73.127 $\chi^2/\text{NDF}: 4.0/9$

Left Out: 41.901 ± 59.080 $\chi^2/\text{NDF}: 5.8/7$

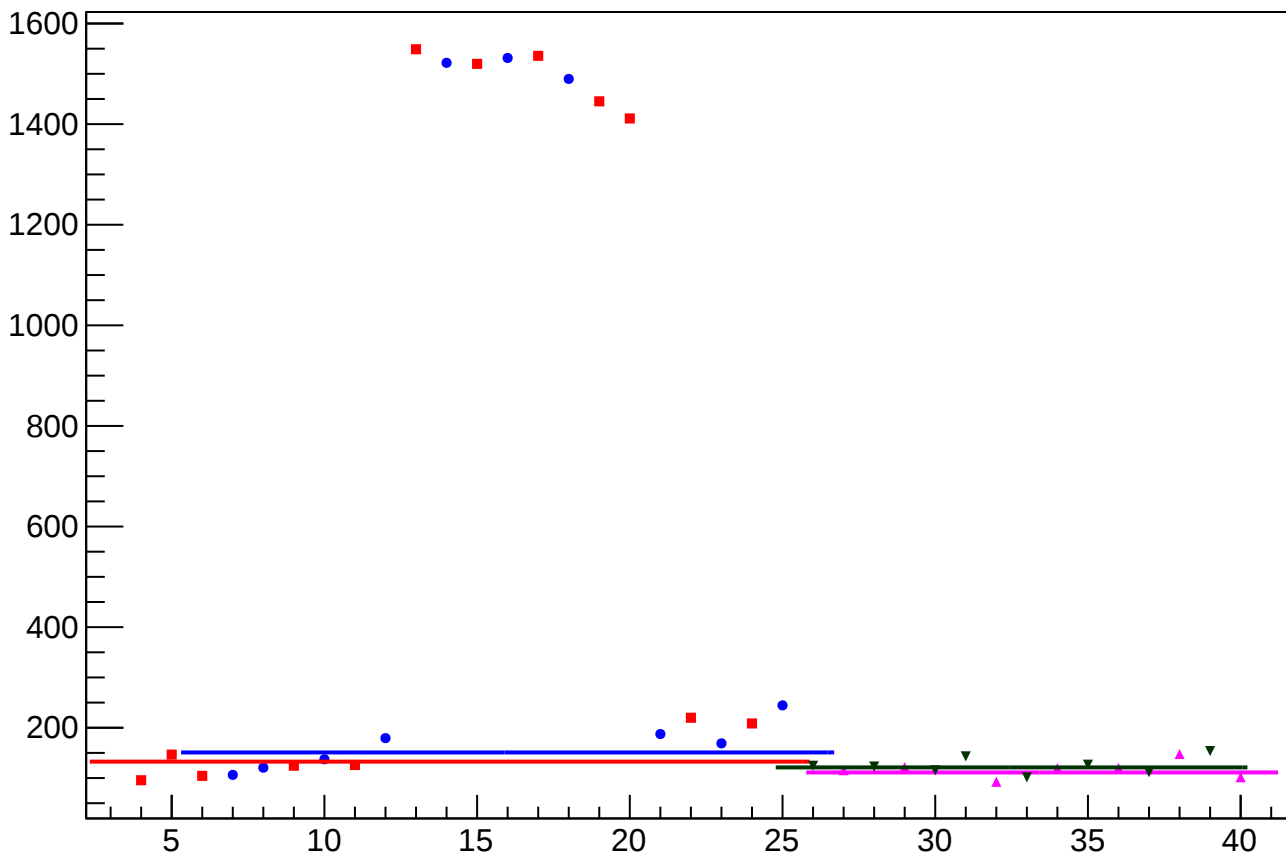
Right Out: 75.901 ± 68.054 $\chi^2/\text{NDF}: 0.9/11$

Left In: -1.157 ± 52.944 $\chi^2/\text{NDF}: 0.4/6$

37.060 ± 45.956 $\chi^2/\text{NDF}: 9.8/17$

27.897 ± 41.788 $\chi^2/\text{NDF}: 2.2/18$

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs slug



Right In: 150.926+/-0.052 χ^2/NDF : 4230041.1/9

Left Out: 121.164+/-0.042 χ^2/NDF : 124777.6/7

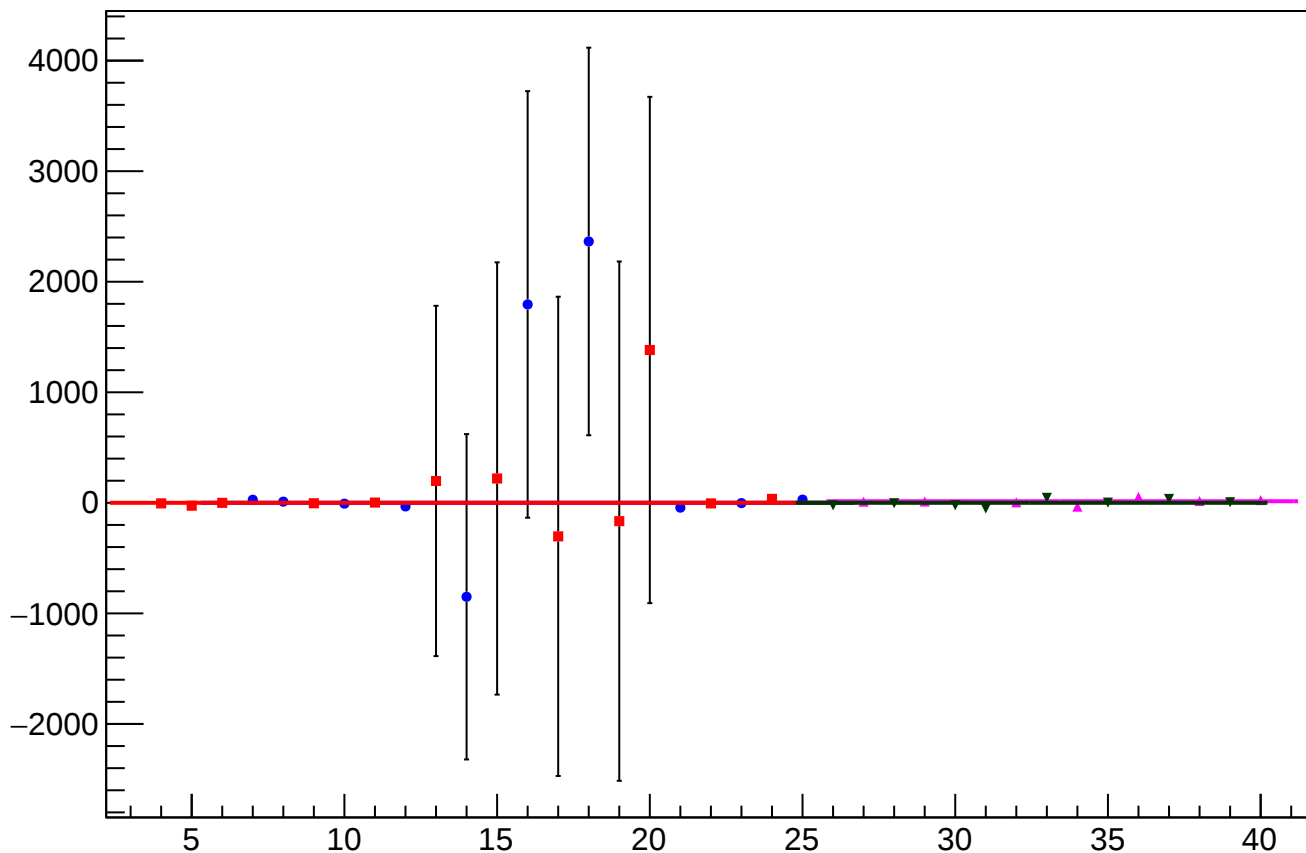
Right Out: 132.646+/-0.048 χ^2/NDF : 5120067.3/11

Left In: 111.161+/-0.037 χ^2/NDF : 166237.5/6

132.918+/-0.032 χ^2/NDF : 4555266.4/17

119.262+/-0.030 χ^2/NDF : 5410487.4/18

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs slug



Right In: 0.955+/-6.198 χ^2/NDF : 11.8/9

Left Out: 0.299+/-8.170 χ^2/NDF : 10.4/7

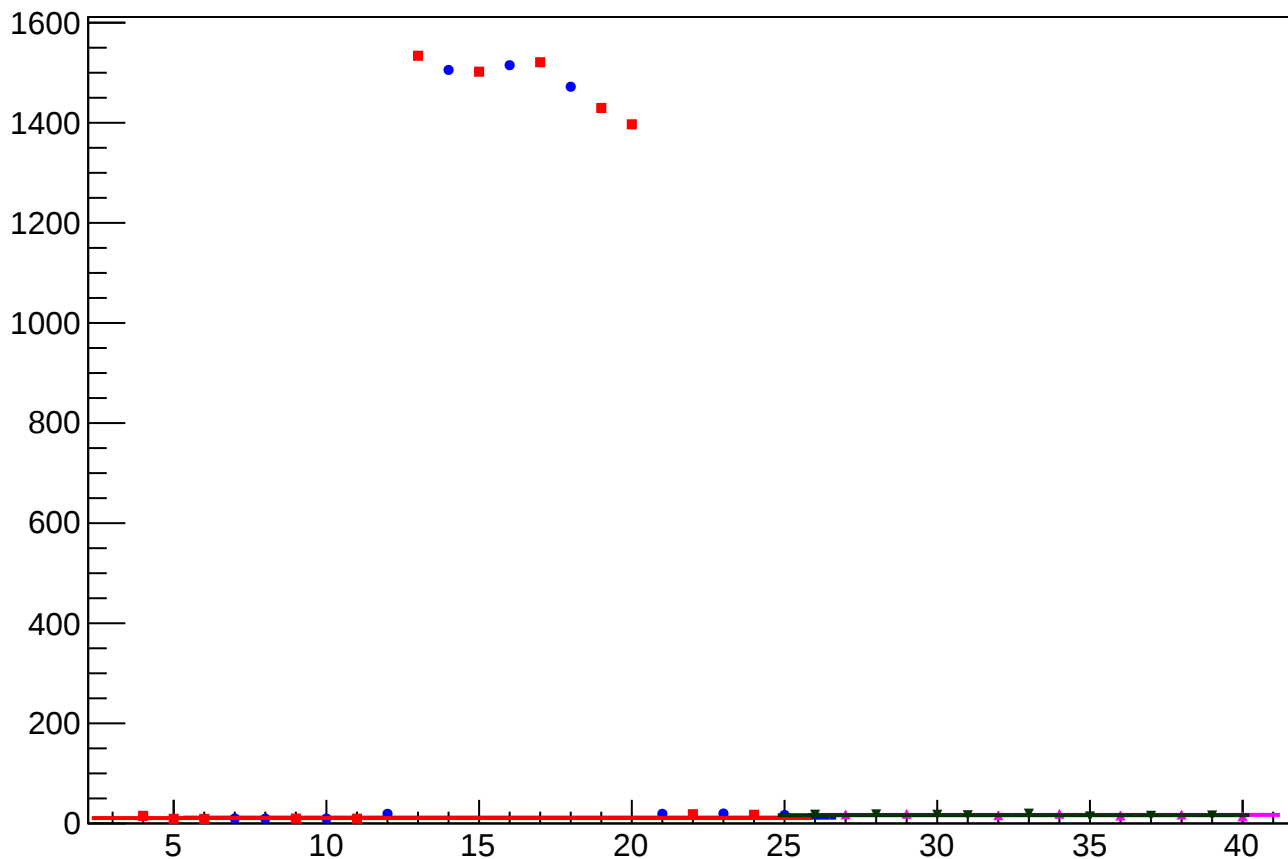
Right Out: 0.325+/-5.882 χ^2/NDF : 4.0/11

Left In: 14.489+/-8.291 χ^2/NDF : 6.3/6

0.716+/-4.938 χ^2/NDF : 22.2/17

5.067+/-4.798 χ^2/NDF : 12.2/18

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs slug



Right In: 11.555+/-0.004 χ^2/NDF : 5368102.9/9

Left Out: 16.503+/-0.006 χ^2/NDF : 80627.5/7

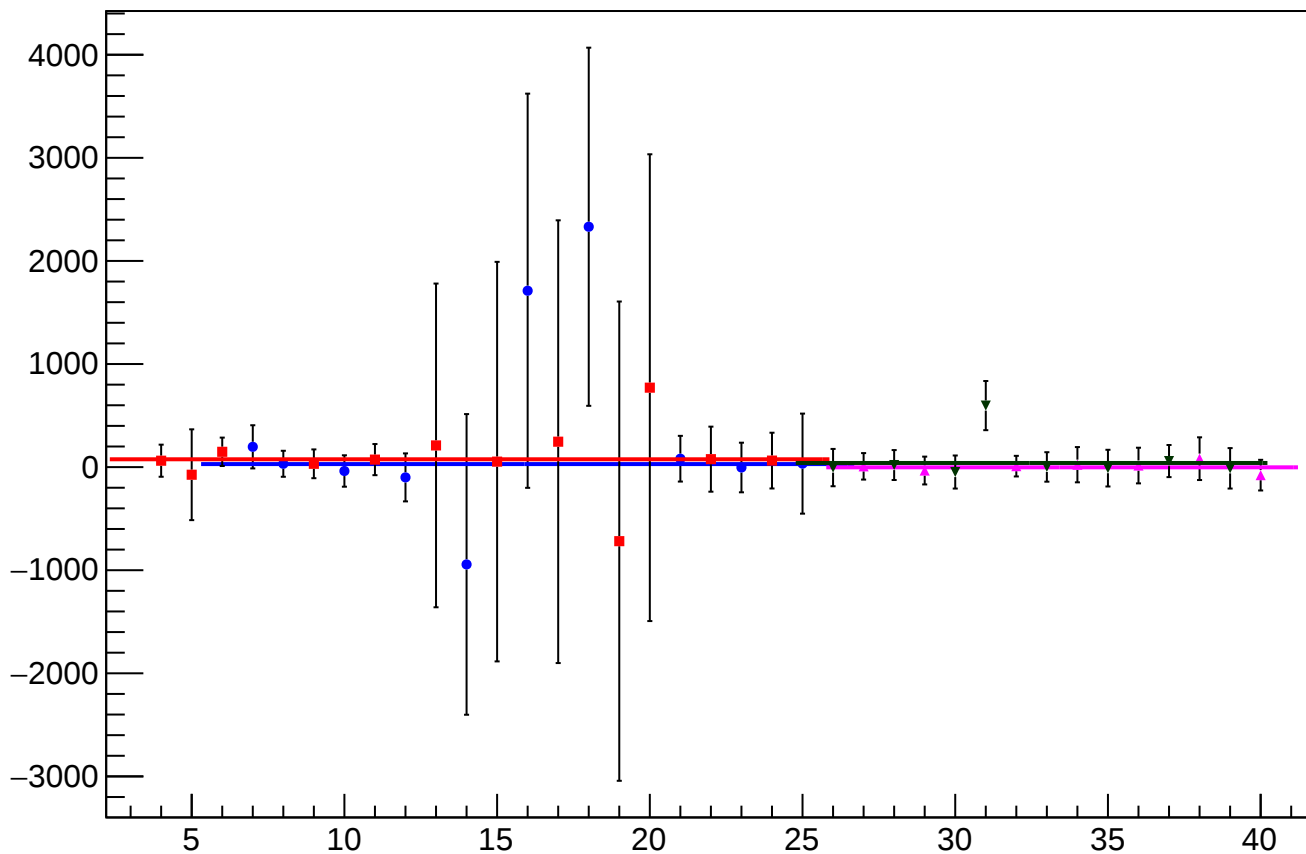
Right Out: 10.792+/-0.004 χ^2/NDF : 5922898.5/11

Left In: 17.100+/-0.006 χ^2/NDF : 92622.7/6

13.363+/-0.003 χ^2/NDF : 5914411.3/17

12.904+/-0.003 χ^2/NDF : 6785477.2/18

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs slug



Right In: 29.483+/-72.516 χ^2/NDF : 4.2/9

Left Out: 40.264+/-59.534 χ^2/NDF : 6.1/7

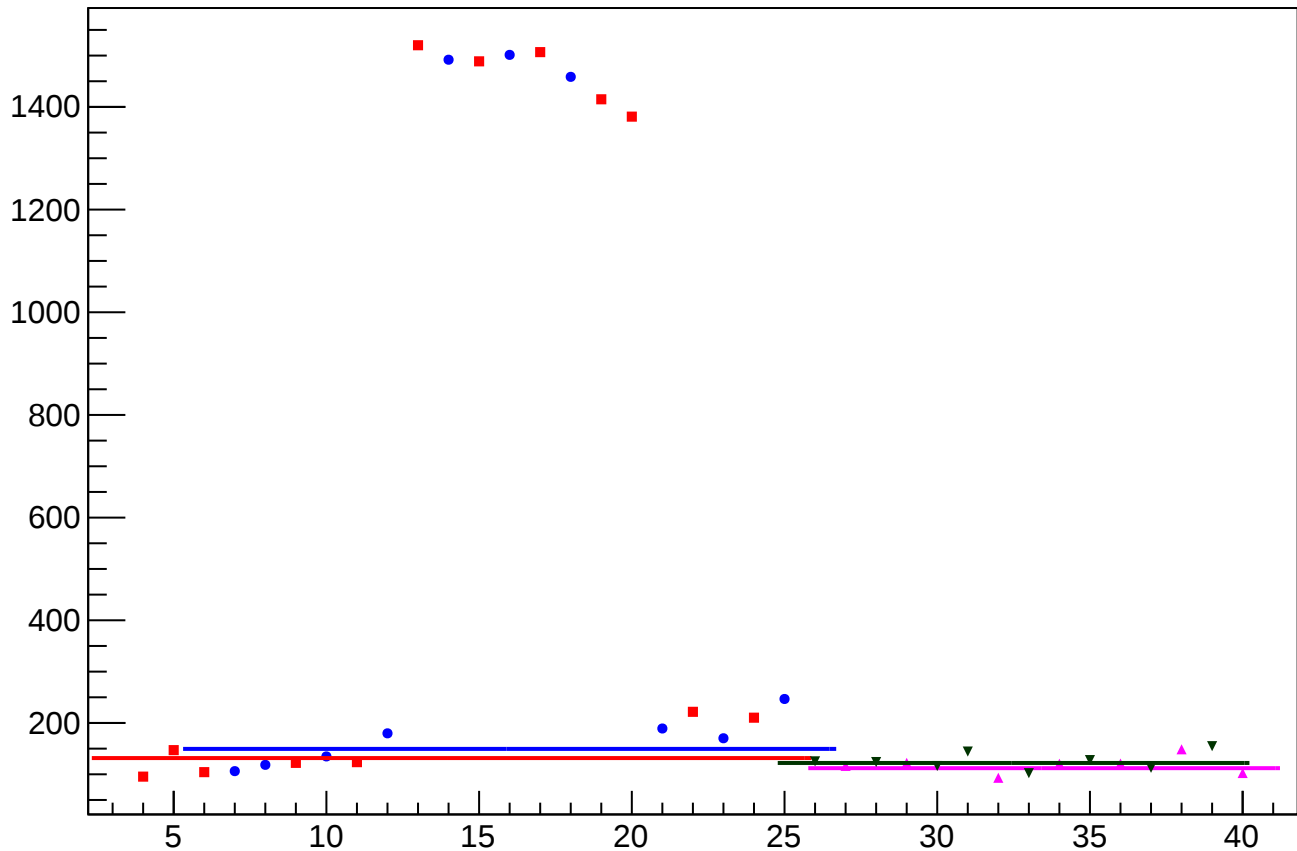
Right Out: 76.035+/-67.528 χ^2/NDF : 0.7/11

Left In: -2.026+/-53.320 χ^2/NDF : 0.5/6

35.923+/-46.013 χ^2/NDF : 10.3/17

27.952+/-41.847 χ^2/NDF : 2.1/18

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs slug



Right In: 149.490+/-0.051 χ^2/NDF : 4249870.3/9

Left Out: 122.094+/-0.042 χ^2/NDF : 124619.0/7

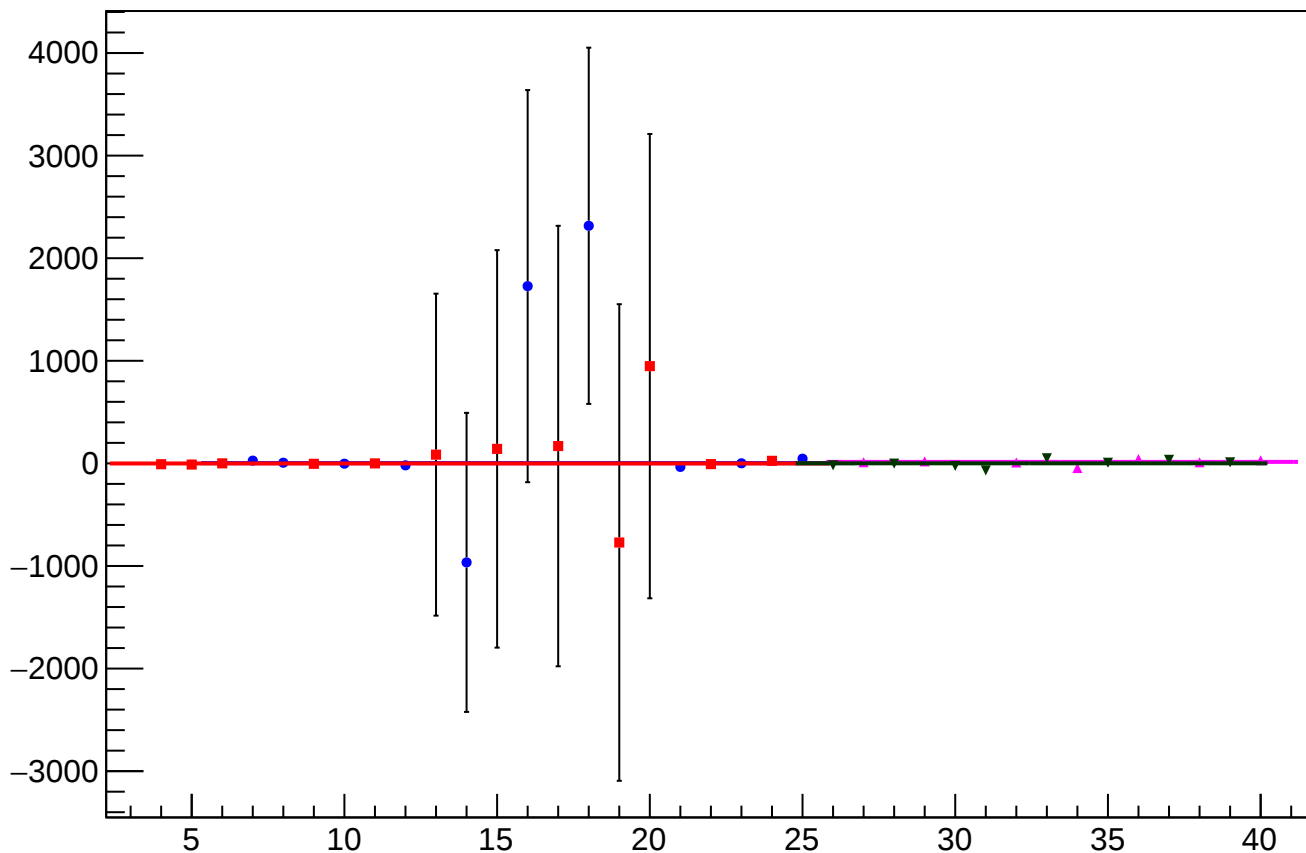
Right Out: 131.616+/-0.048 χ^2/NDF : 5120657.7/11

Left In: 111.946+/-0.038 χ^2/NDF : 165696.6/6

133.125+/-0.033 χ^2/NDF : 4545007.6/17

119.500+/-0.030 χ^2/NDF : 5390874.5/18

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs slug



Right In: 2.611+/-5.597 χ^2/NDF : 10.1/9

Left Out: 0.739+/-7.946 χ^2/NDF : 14.2/7

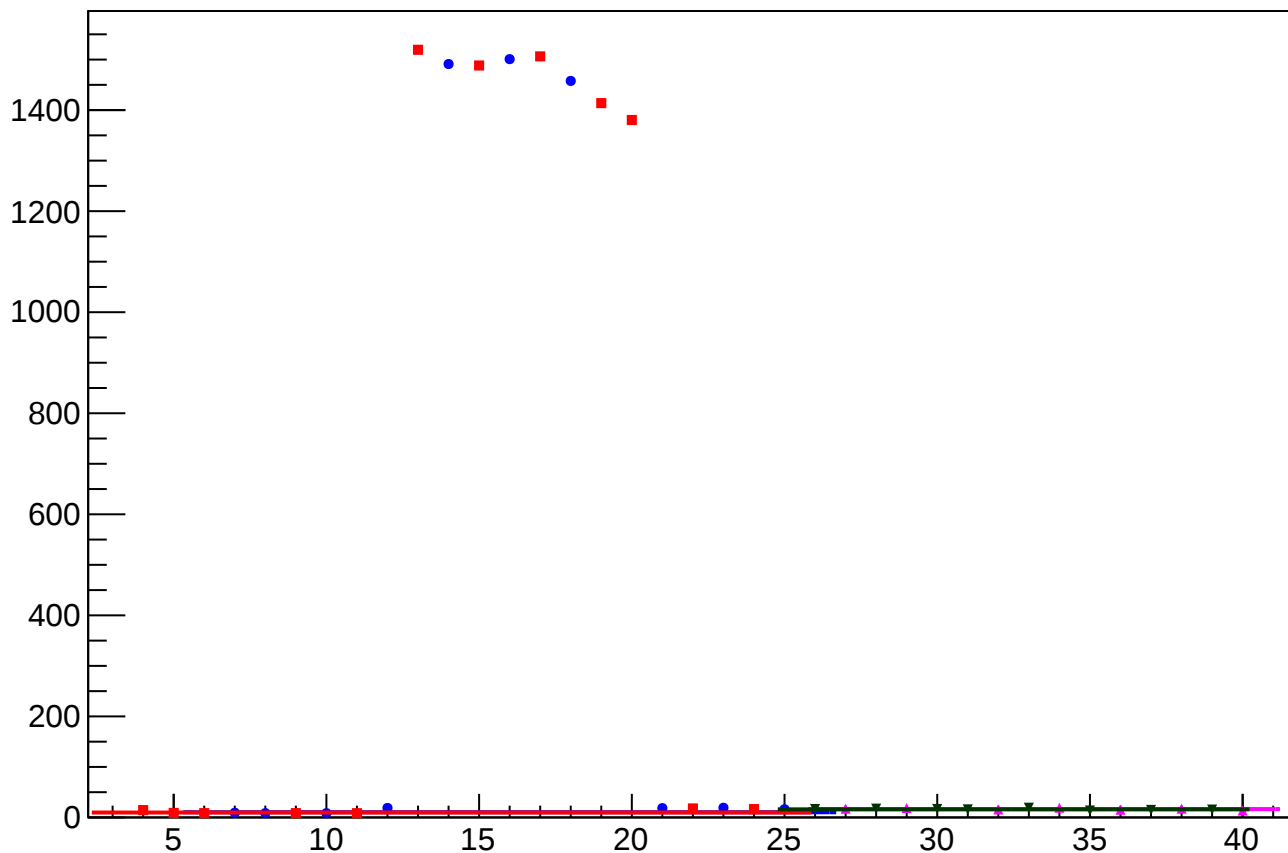
Right Out: -0.797+/-5.364 χ^2/NDF : 2.2/11

Left In: 14.699+/-8.065 χ^2/NDF : 6.9/6

1.990+/-4.576 χ^2/NDF : 24.3/17

3.956+/-4.466 χ^2/NDF : 11.6/18

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs slug



Right In: 10.298+/-0.004 χ^2/NDF : 5515958.7/9

Left Out: 16.029+/-0.006 χ^2/NDF : 73917.0/7

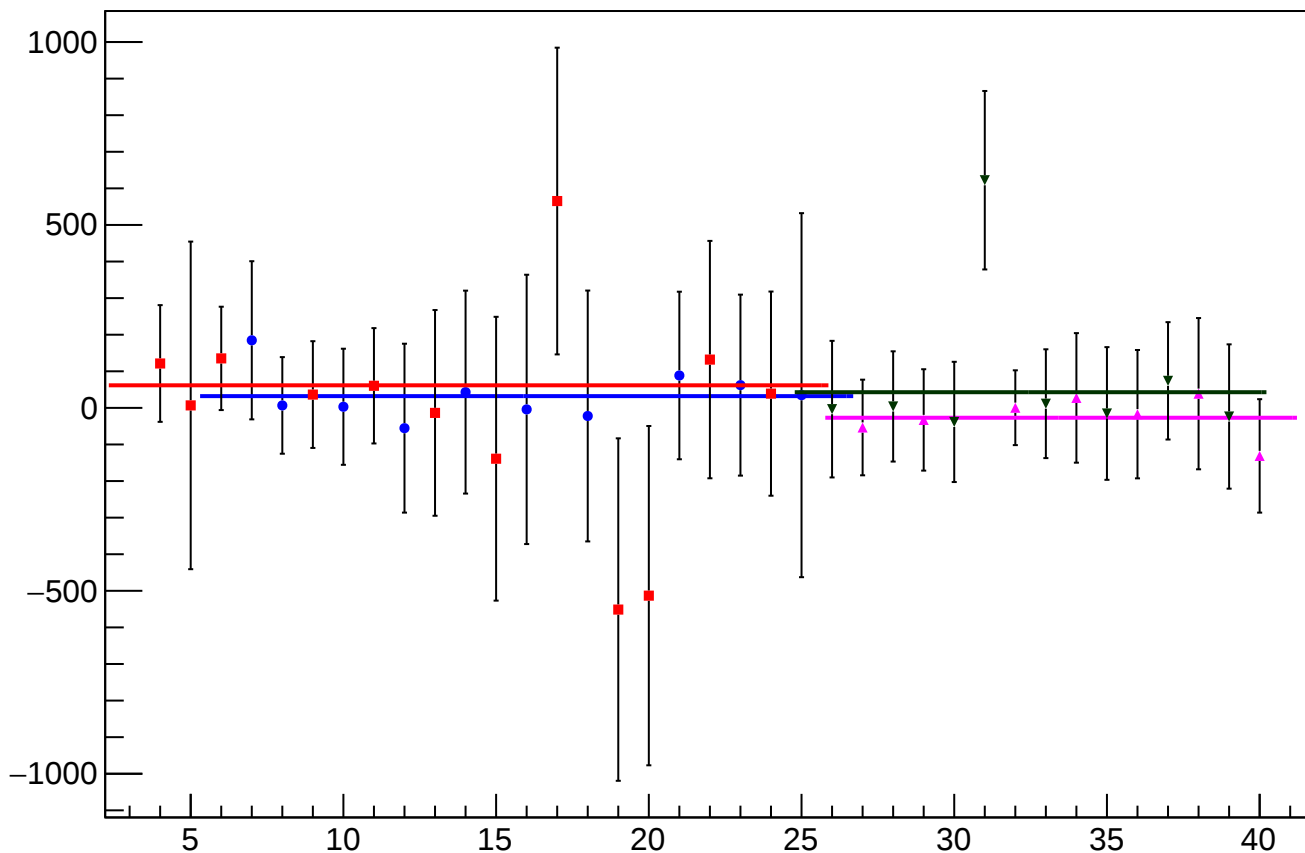
Right Out: 9.764+/-0.004 χ^2/NDF : 6008777.0/11

Left In: 16.601+/-0.006 χ^2/NDF : 86319.3/6

12.198+/-0.003 χ^2/NDF : 6285189.4/17

11.861+/-0.003 χ^2/NDF : 7091654.4/18

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs slug



Right In: 32.145+/-69.741 χ^2/NDF : 0.8/9

Left Out: 42.859+/-61.223 χ^2/NDF : 6.3/7

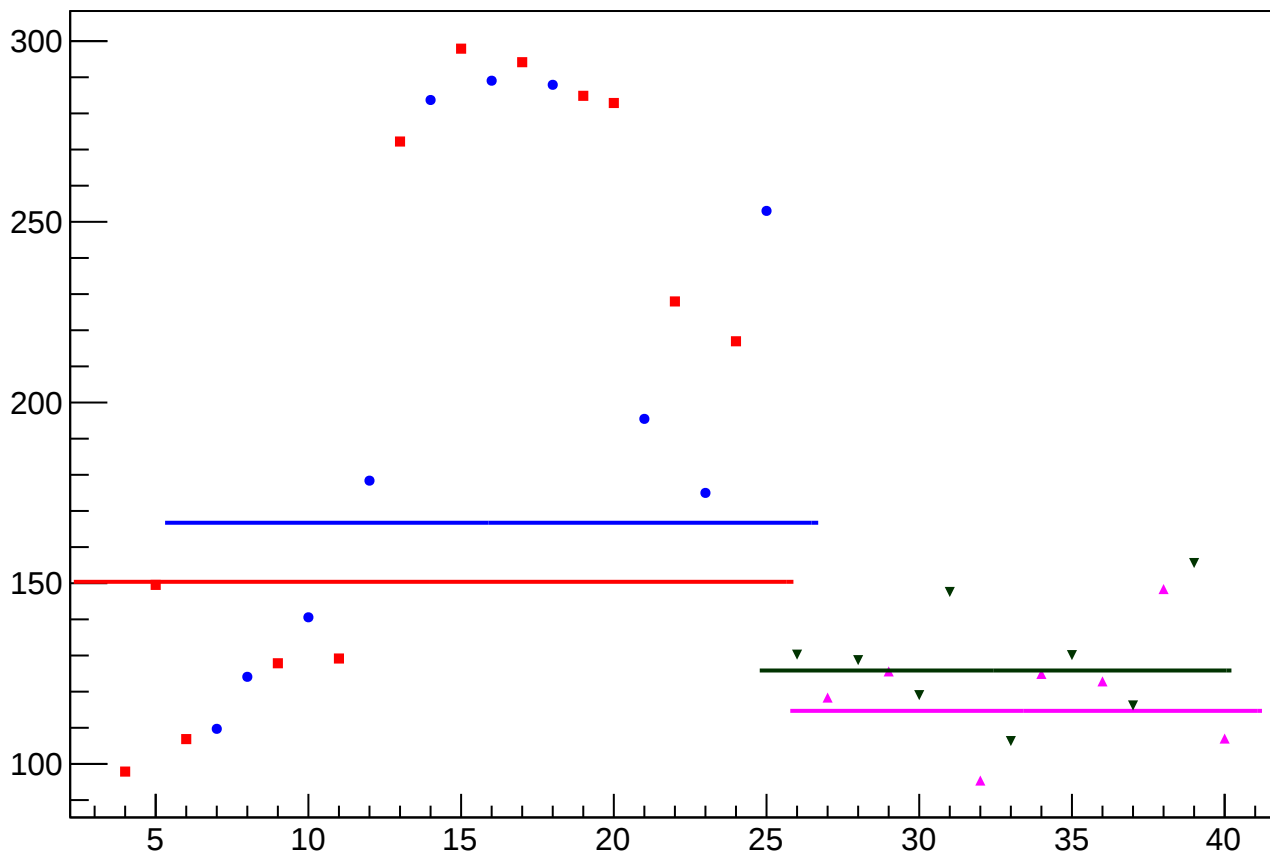
Right Out: 61.700+/-64.794 χ^2/NDF : 5.5/11

Left In: -26.945+/-54.579 χ^2/NDF : 0.8/6

38.196+/-46.010 χ^2/NDF : 7.2/17

9.847+/-41.743 χ^2/NDF : 7.4/18

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs slug



Right In: 166.735 $\pm$ 0.049 χ^2 /NDF: 1327603.0/9

Left Out: 125.852 $\pm$ 0.043 χ^2 /NDF:109453.3/7

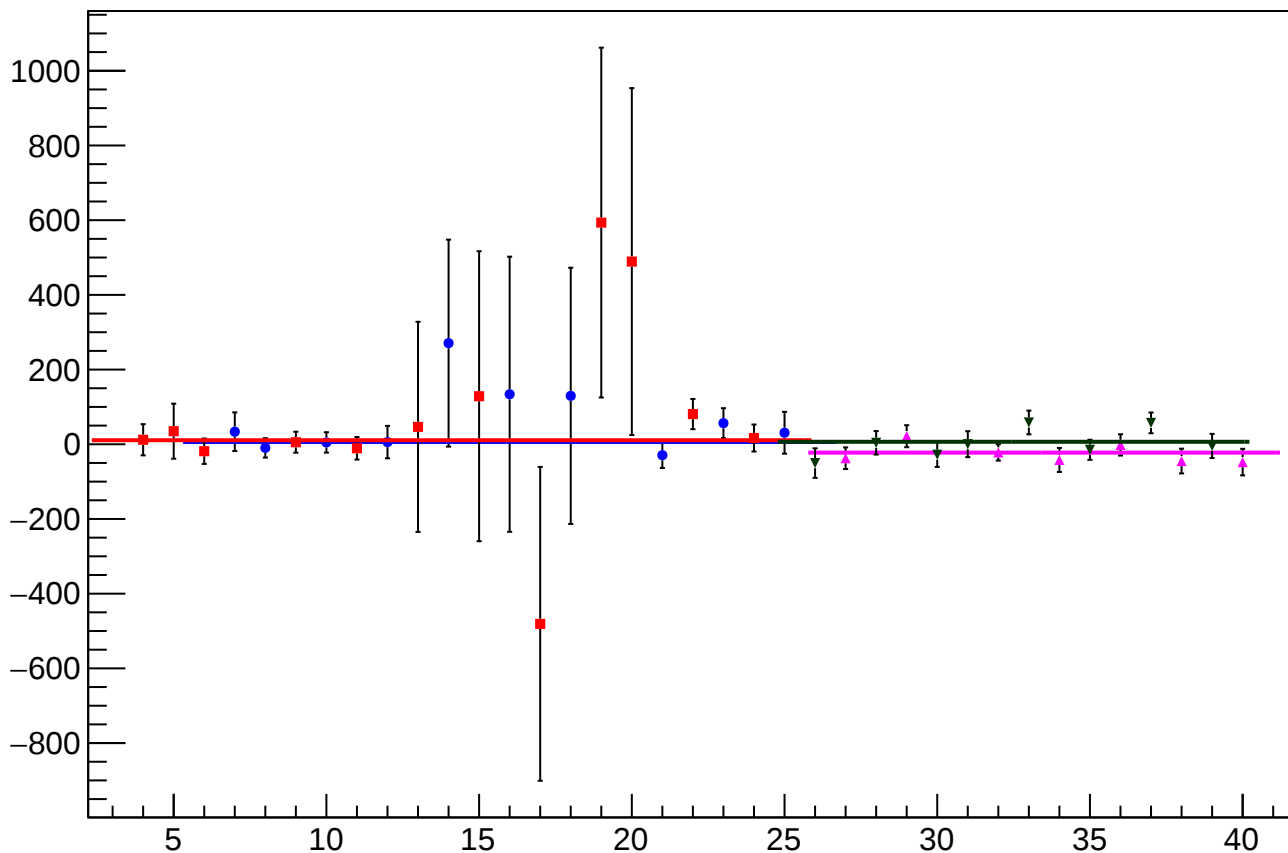
143.646 $\pm$ 0.033 χ^2 /NDF: 1825207.2/17

Right Out: 150.393 $\pm$ 0.046 χ^2 /NDF: 1947233.7/11

129.507 $\pm$ 0.030 χ^2 /NDF: 2456659.9/18

Left In: 114.687 $\pm$ 0.039 χ^2 /NDF:154164.5/6

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs slug



Right In: 6.162 $\pm$ 13.425 χ^2 /NDF: 4.7/9

Left Out: 6.652 $\pm$ 11.149 χ^2 /NDF:10.0/7

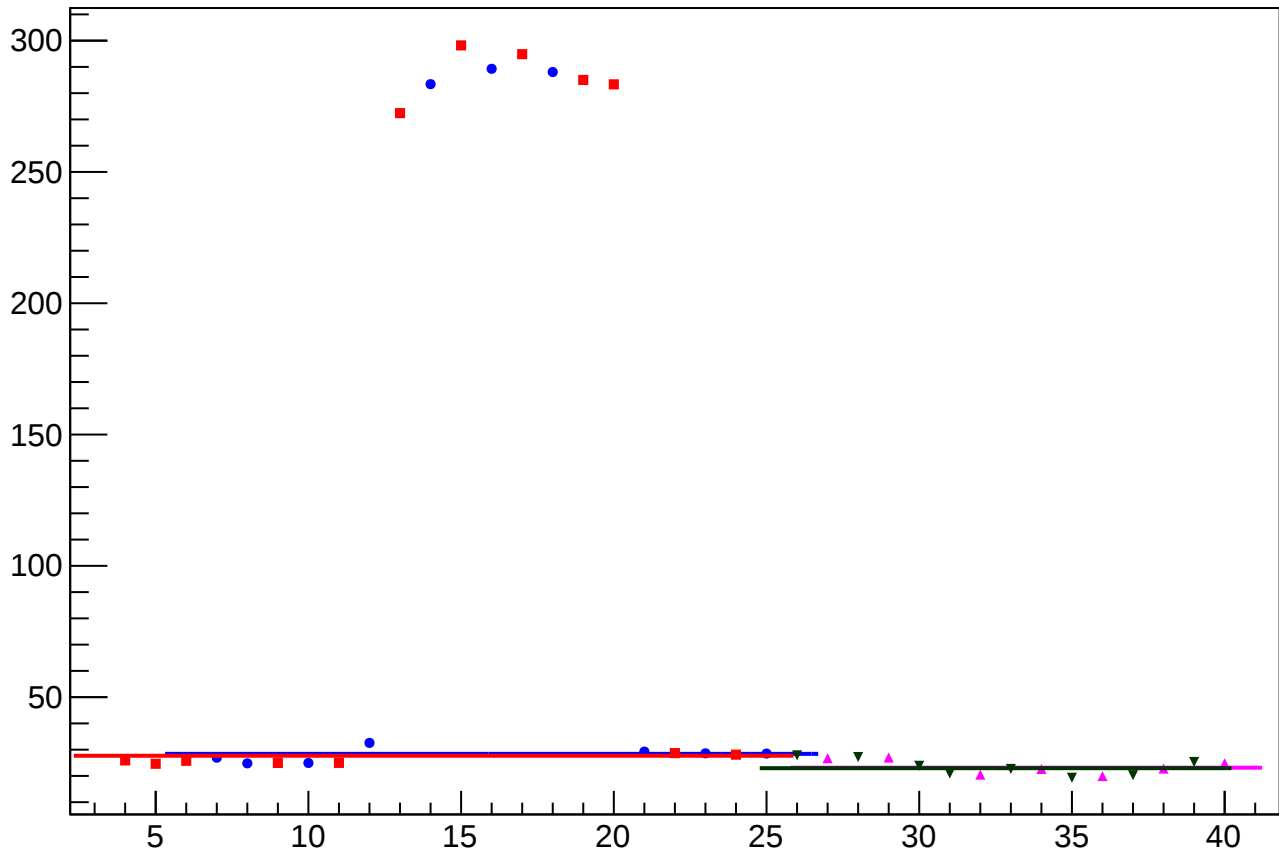
6.452 $\pm$ 8.577 χ^2 /NDF: 14.6/17

Right Out: 10.797 $\pm$ 13.610 χ^2 /NDF: 8.5/11

-9.335 $\pm$ 8.530 χ^2 /NDF: 16.5/18

Left In: -22.361 $\pm$ 10.948 χ^2 /NDF:4.4/6

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs slug



Right In: 28.406 $\pm$ 0.009 χ^2/NDF : 3936040.7/9

Left Out: 22.949 $\pm$ 0.008 χ^2/NDF : 141337.7/7

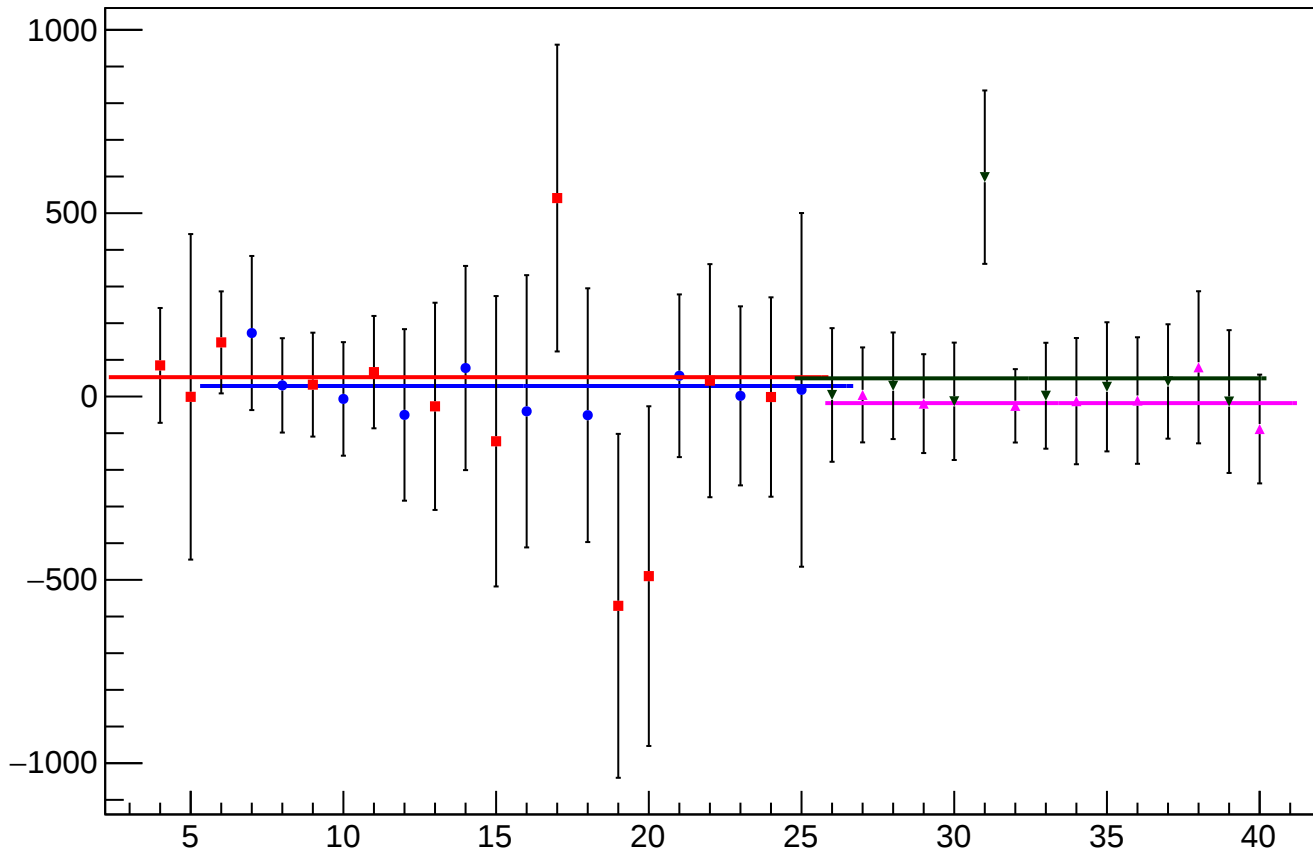
25.176 $\pm$ 0.006 χ^2/NDF : 4272980.4/17

Right Out: 27.683 $\pm$ 0.010 χ^2/NDF : 4553149.3/11

24.920 $\pm$ 0.006 χ^2/NDF : 4813856.7/18

Left In: 23.133 $\pm$ 0.008 χ^2/NDF : 125001.3/6

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs slug



Right In: 28.697+/-68.531 χ^2/NDF : 0.8/9

Left Out: 49.601+/-59.550 χ^2/NDF : 5.9/7

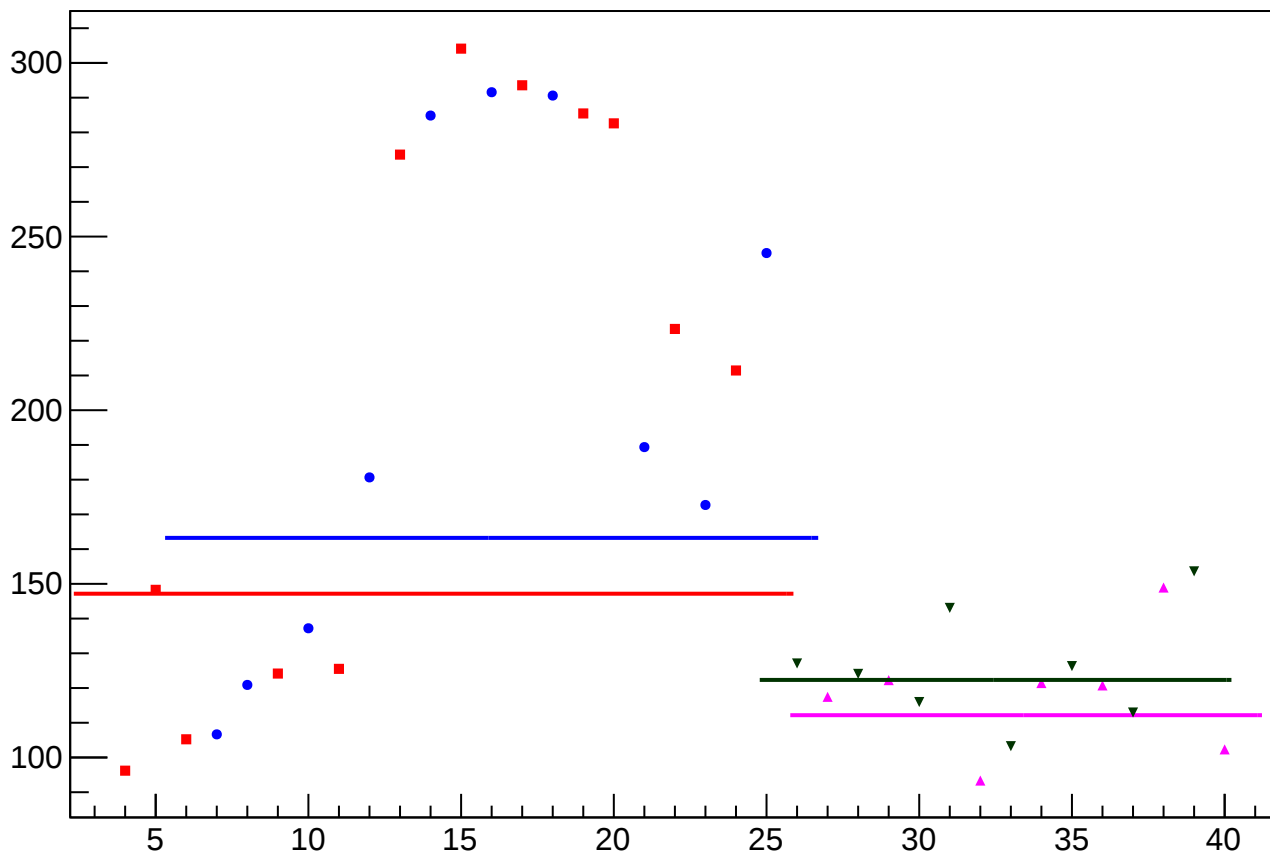
Right Out: 52.783+/-63.607 χ^2/NDF : 5.4/11

Left In: -17.978+/-53.413 χ^2/NDF : 0.5/6

40.607+/-44.950 χ^2/NDF : 6.7/17

11.285+/-40.904 χ^2/NDF : 6.6/18

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs slug



Right In: 163.238+/-0.048 χ^2/NDF : 1409159.9/9

Left Out: 122.335+/-0.042 χ^2/NDF : 114892.1/7

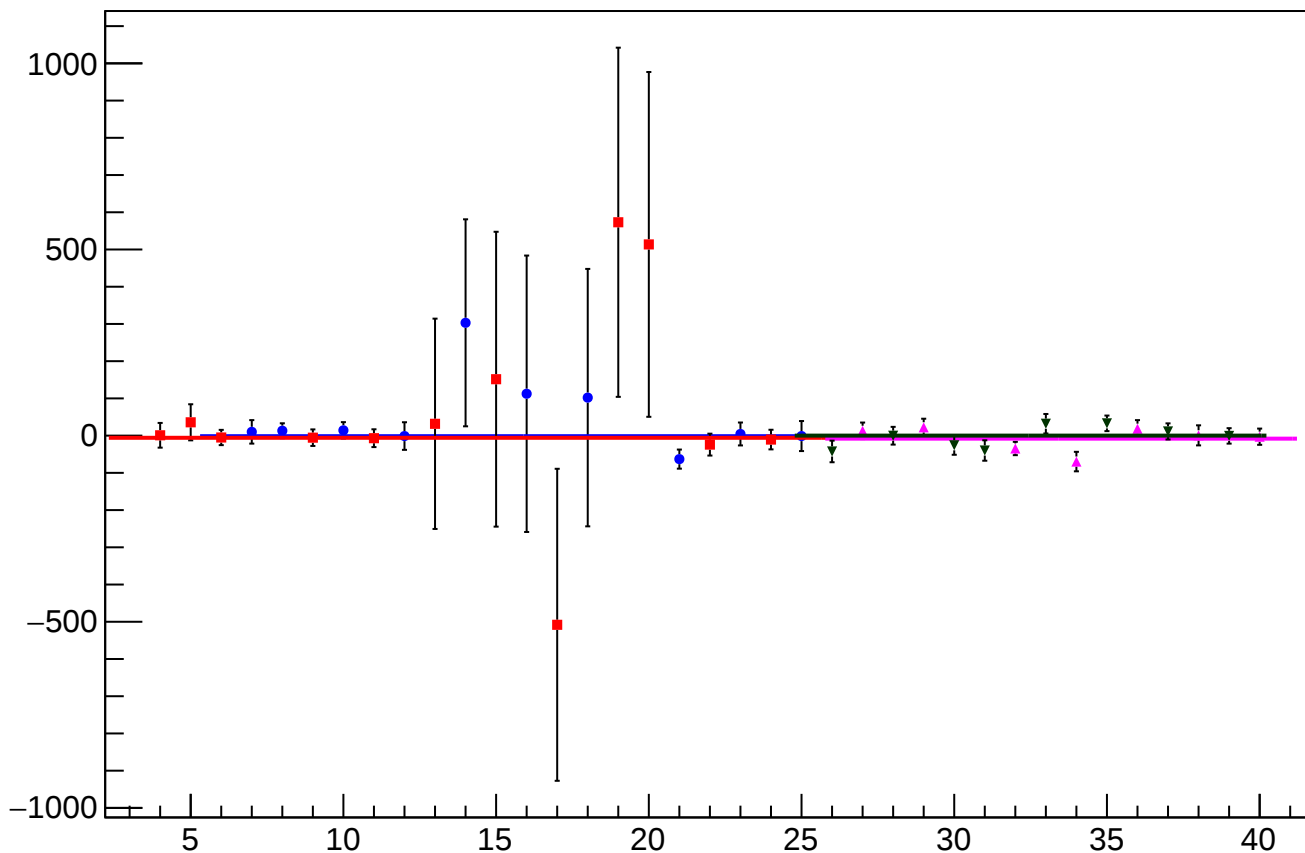
139.933+/-0.032 χ^2/NDF : 1929998.4/17

Right Out: 147.160+/-0.045 χ^2/NDF : 2017224.8/11

126.644+/-0.029 χ^2/NDF : 2539643.6/18

Left In: 112.178+/-0.038 χ^2/NDF : 167645.2/6

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs slug



Right In: -1.518+/-10.249 χ^2/NDF : 8.4/9

Left Out: 0.058+/-8.444 χ^2/NDF : 9.6/7

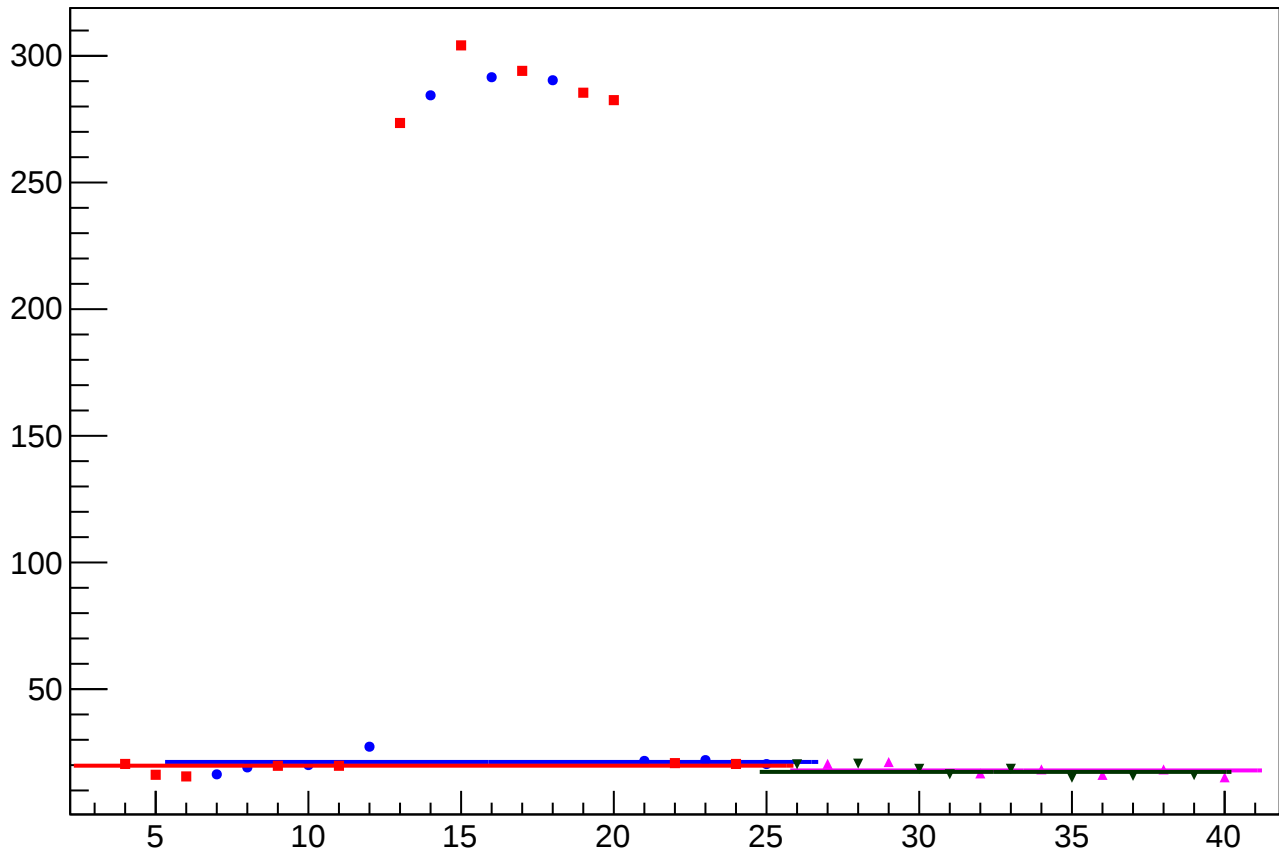
Right Out: -5.806+/-9.942 χ^2/NDF : 5.6/11

Left In: -8.098+/-8.508 χ^2/NDF : 11.8/6

-0.579+/-6.517 χ^2/NDF : 18.0/17

-7.129+/-6.464 χ^2/NDF : 17.4/18

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs slug



Right In: 21.255+/-0.007 χ^2/NDF : 4196684.5/9

Left Out: 17.327+/-0.006 χ^2/NDF :112639.7/7

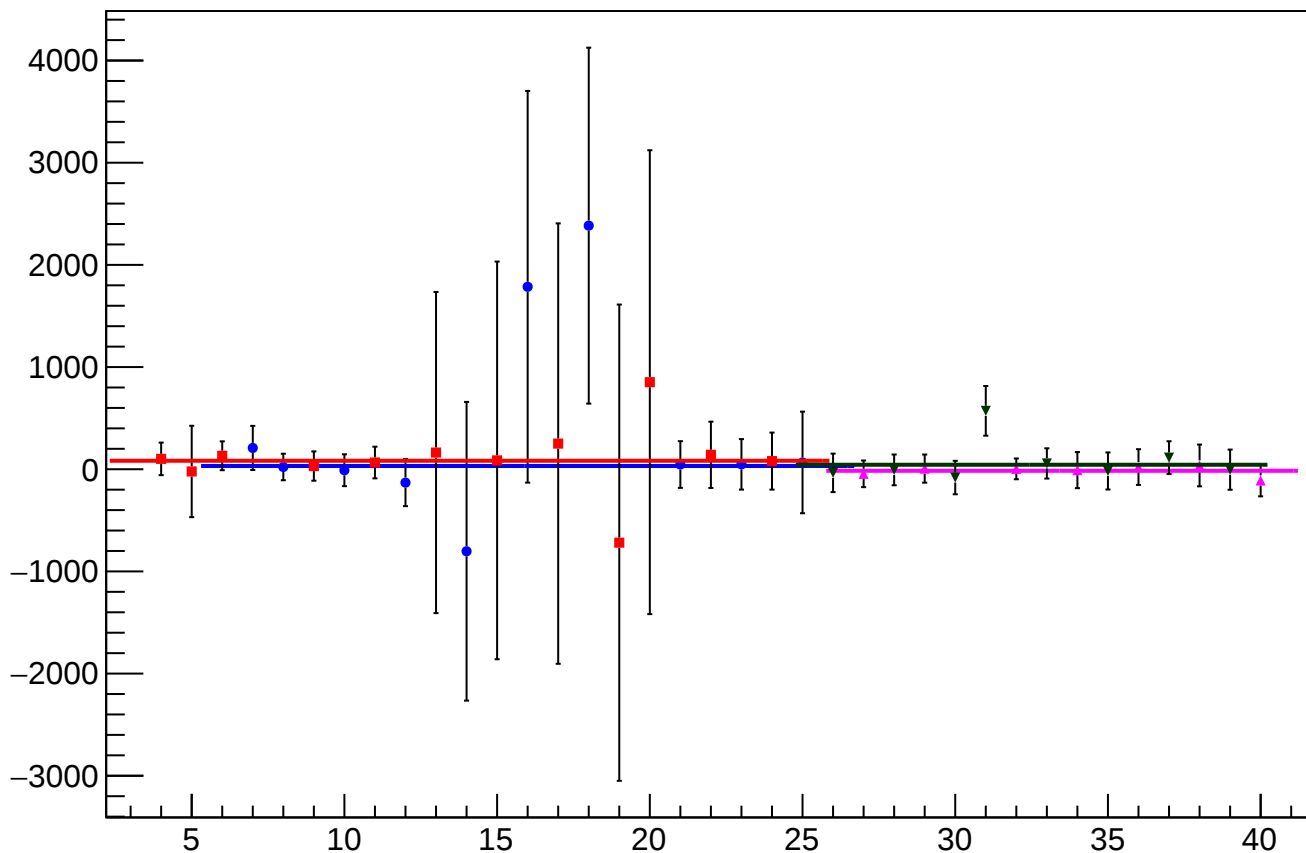
18.916+/-0.005 χ^2/NDF : 4484307.1/17

Right Out: 19.779+/-0.007 χ^2/NDF : 4888350.3/11

18.698+/-0.005 χ^2/NDF : 5049372.7/18

Left In: 17.906+/-0.006 χ^2/NDF :120043.7/6

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs slug



Right In: 31.584+/-74.262 χ^2/NDF : 4.2/9

Left Out: 43.830+/-61.154 χ^2/NDF : 6.0/7

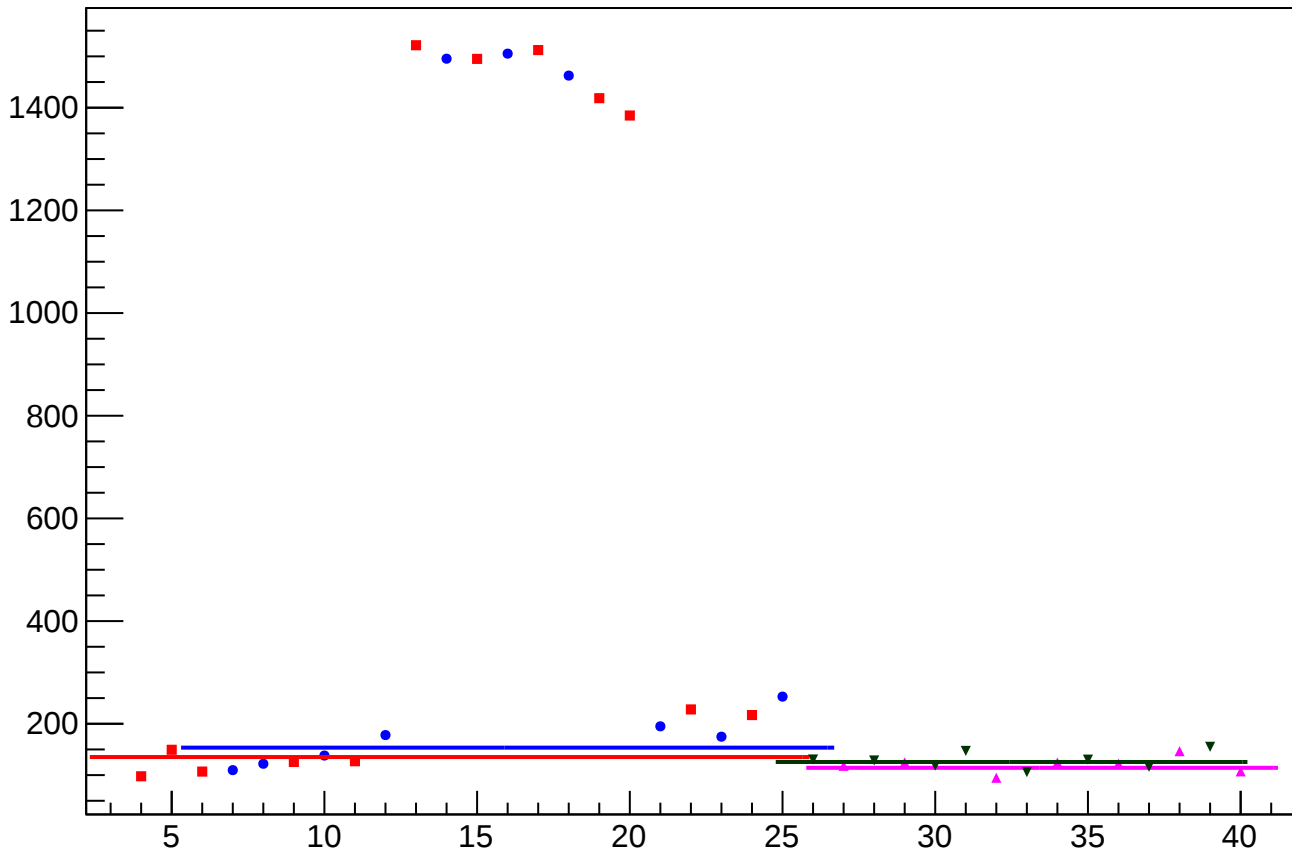
Right Out: 82.898+/-69.271 χ^2/NDF : 0.6/11

Left In: -15.385+/-54.361 χ^2/NDF : 0.6/6

38.881+/-47.208 χ^2/NDF : 10.2/17

22.074+/-42.765 χ^2/NDF : 2.4/18

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs slug



Right In: 153.522+/-0.053 χ^2/NDF : 4212358.6/9

Left Out: 125.589+/-0.043 χ^2/NDF :110585.2/7

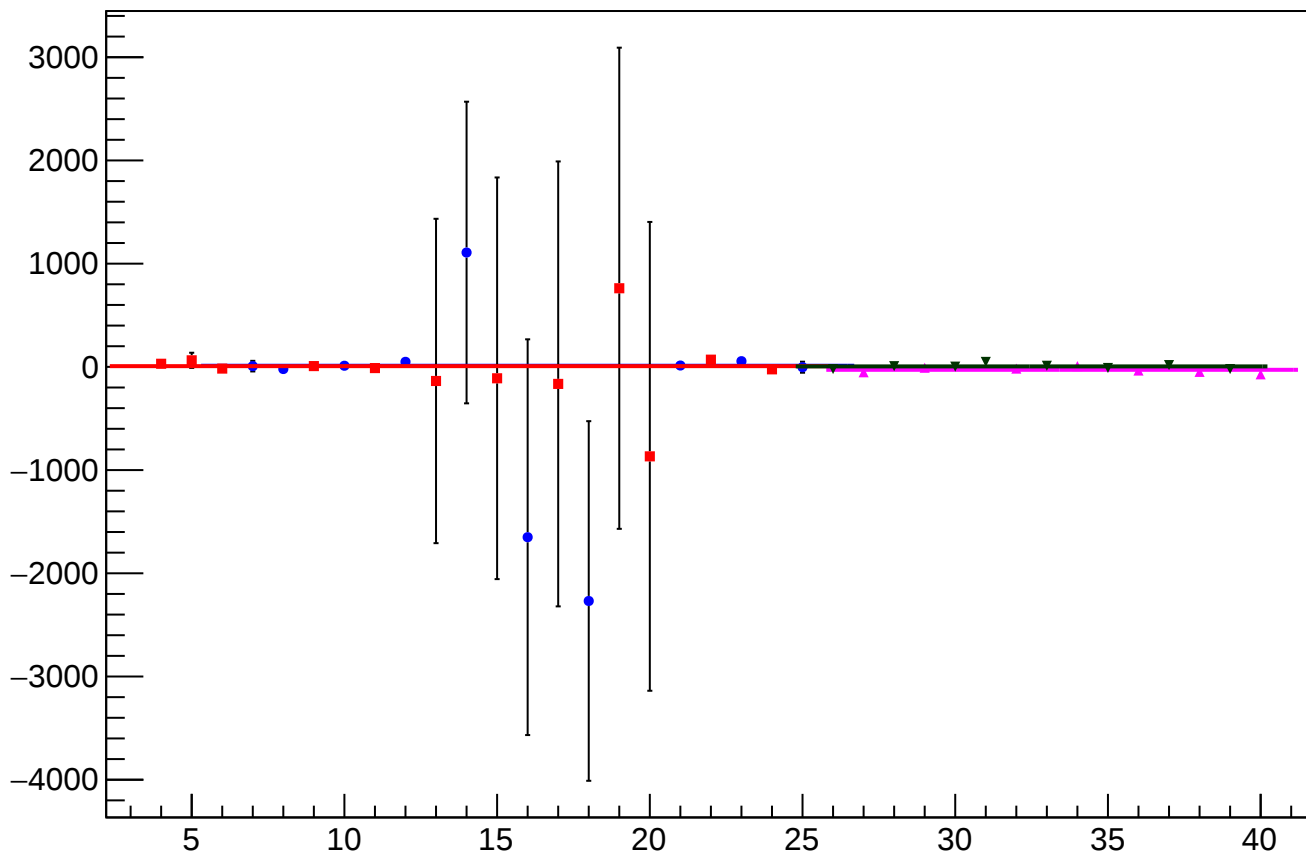
136.877+/-0.033 χ^2/NDF : 4491566.9/17

Right Out: 135.194+/-0.049 χ^2/NDF : 5104872.2/11

122.216+/-0.030 χ^2/NDF : 5370268.3/18

Left In: 114.224+/-0.038 χ^2/NDF :151969.4/6

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs slug



Right In: 10.773+/-13.060 χ^2/NDF : 6.8/9

Left Out: 4.517+/-10.579 χ^2/NDF : 3.6/7

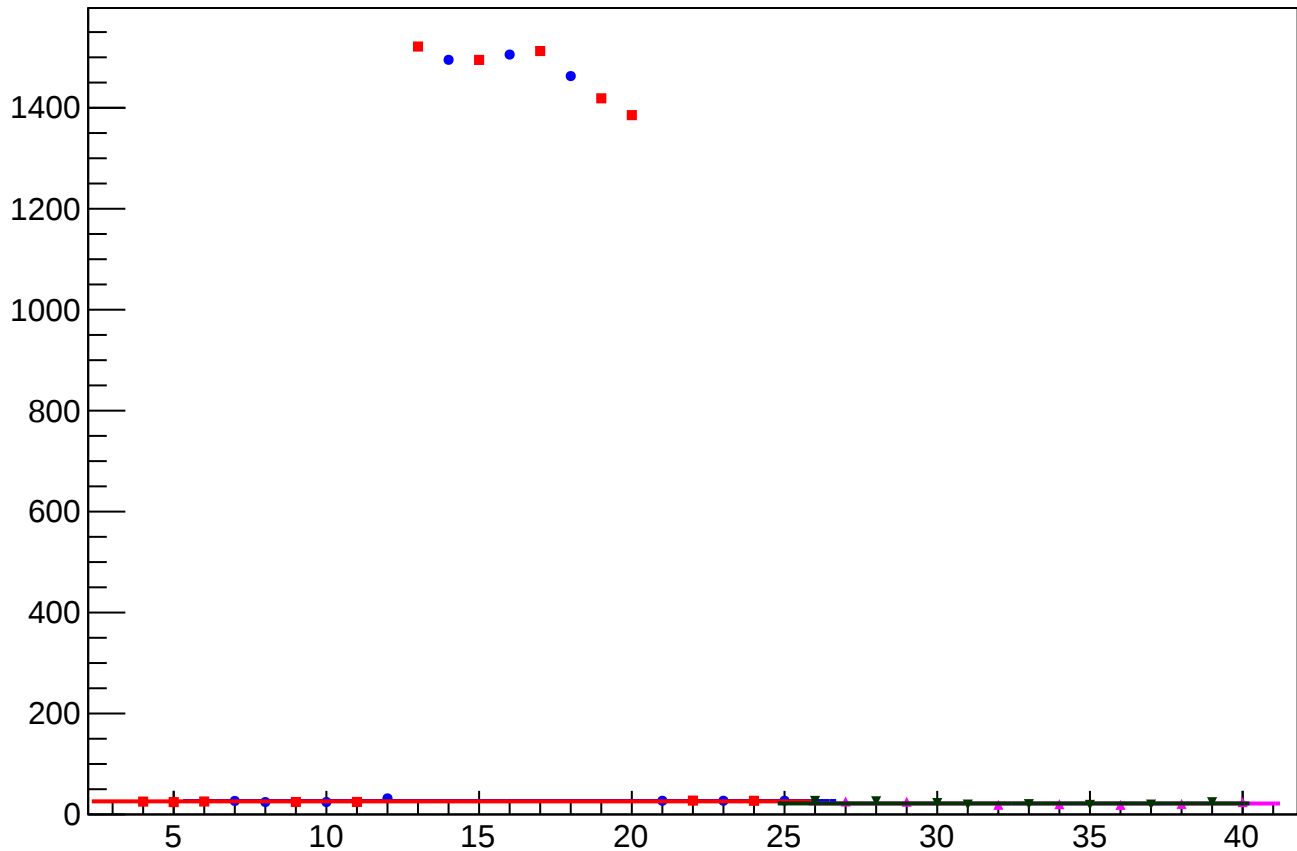
Right Out: 6.946+/-13.410 χ^2/NDF : 5.5/11

Left In: -28.496+/-10.218 χ^2/NDF : 5.2/6

6.995+/-8.220 χ^2/NDF : 10.5/17

-15.476+/-8.128 χ^2/NDF : 15.2/18

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs slug



Right In: 26.593+/-0.009 χ^2/NDF : 4623998.2/9

Left Out: 21.831+/-0.007 χ^2/NDF : 139451.5/7

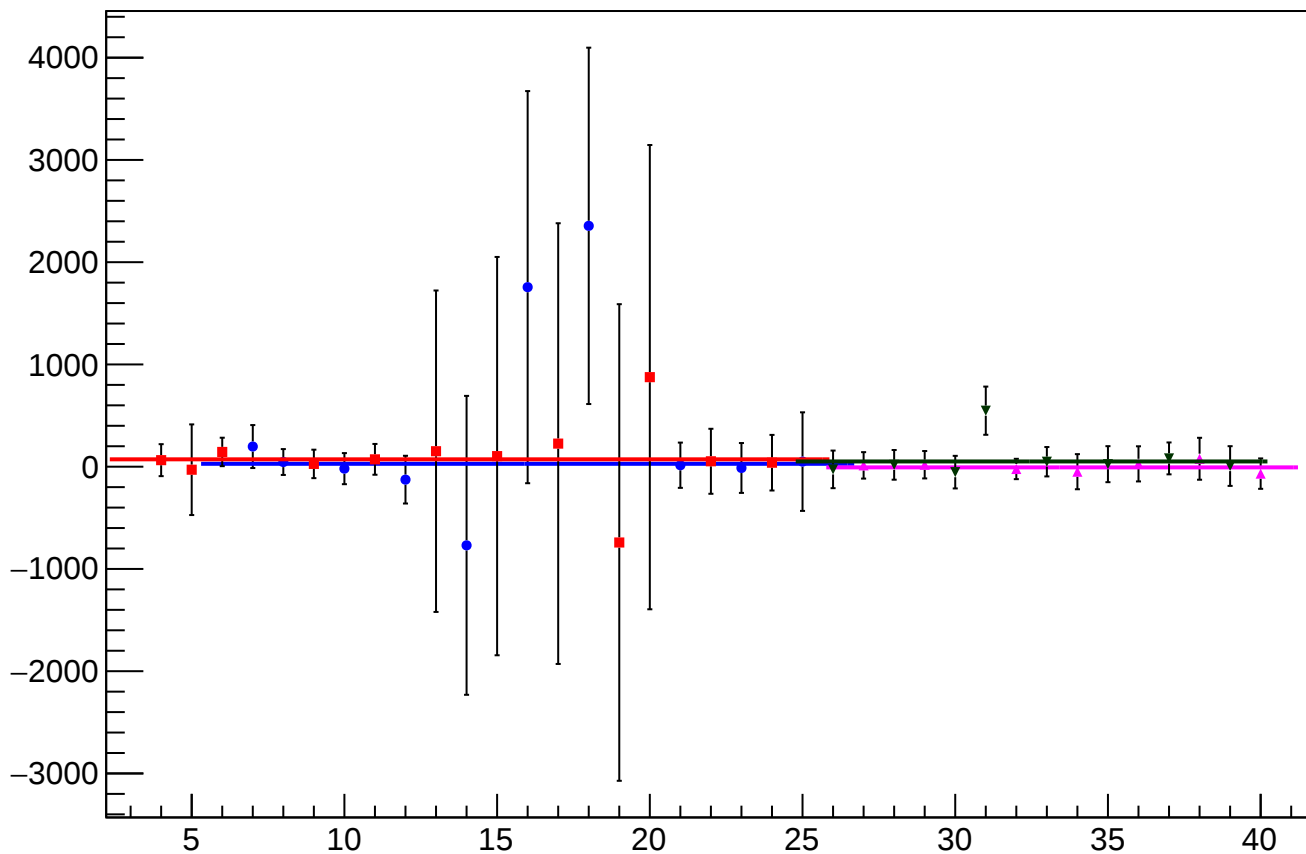
Right Out: 25.943+/-0.009 χ^2/NDF : 5346963.3/11

Left In: 21.703+/-0.007 χ^2/NDF : 145352.3/6

23.718+/-0.006 χ^2/NDF : 4923958.3/17

23.261+/-0.006 χ^2/NDF : 5618822.7/18

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs slug



Right In: 28.299+/-72.672 χ^2/NDF : 4.1/9

Left Out: 51.251+/-59.476 χ^2/NDF : 5.2/7

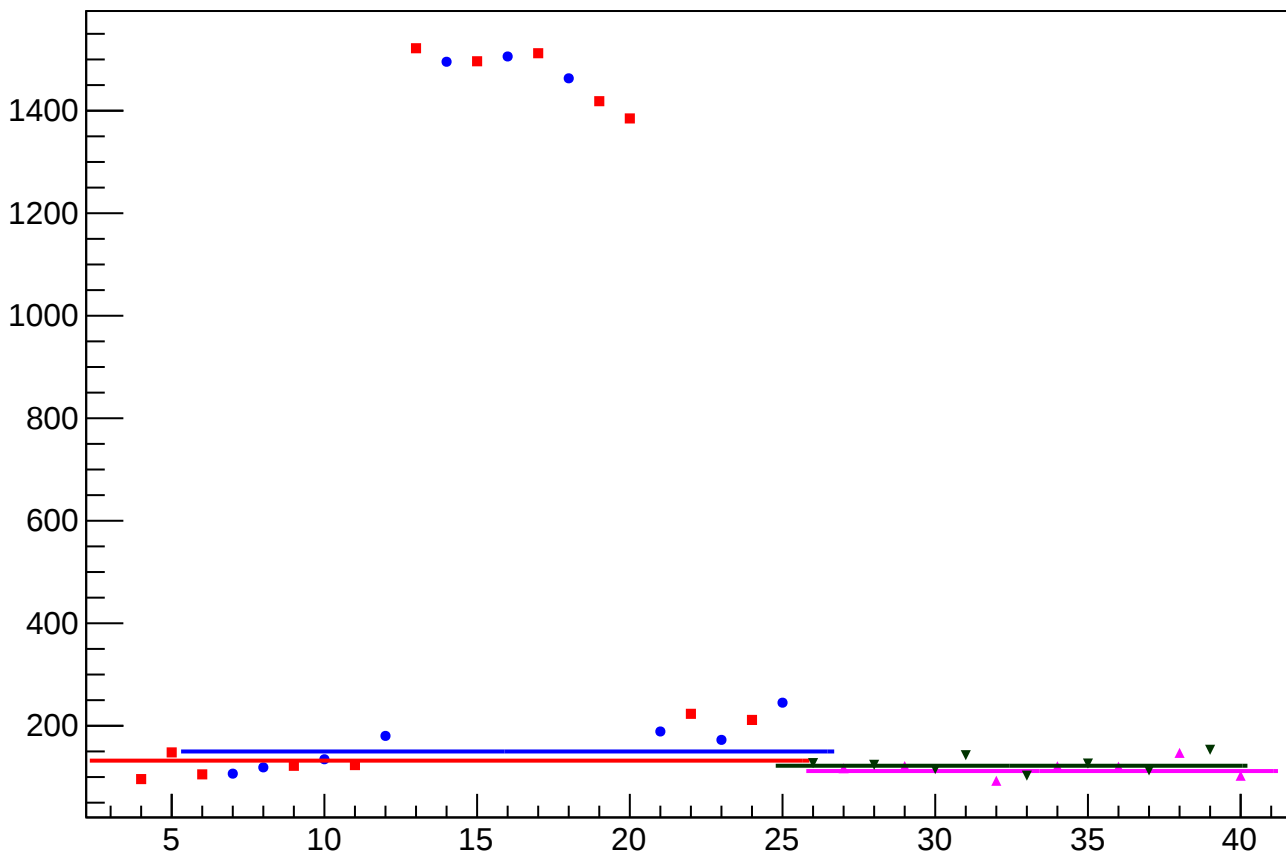
Right Out: 72.031+/-67.714 χ^2/NDF : 0.7/11

Left In: -6.696+/-53.193 χ^2/NDF : 0.5/6

42.044+/-46.026 χ^2/NDF : 9.4/17

23.347+/-41.830 χ^2/NDF : 2.1/18

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs slug



Right In: 149.902 $\pm$ 0.051 χ^2 /NDF: 4247419.3/9

Left Out: 122.063 $\pm$ 0.042 χ^2 /NDF:116188.2/7

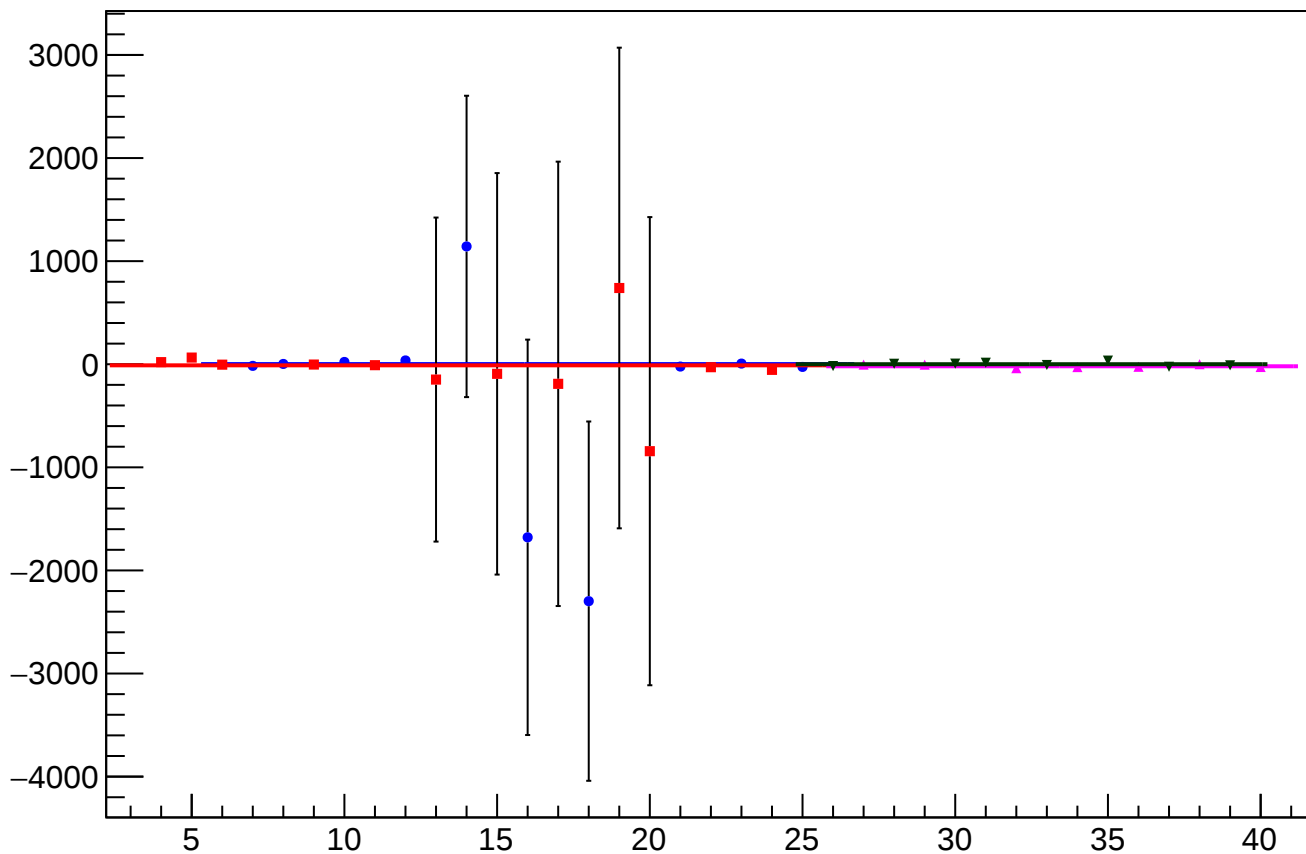
133.230 $\pm$ 0.033 χ^2 /NDF: 4539372.7/17

Right Out: 132.035 $\pm$ 0.048 χ^2 /NDF: 5119688.9/11

119.468 $\pm$ 0.030 χ^2 /NDF: 5396434.9/18

Left In: 111.713 $\pm$ 0.038 χ^2 /NDF:165355.3/6

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs slug



Right In: 1.423+/-9.681 χ^2/NDF : 7.1/9

Left Out: 0.264+/-7.839 χ^2/NDF : 5.7/7

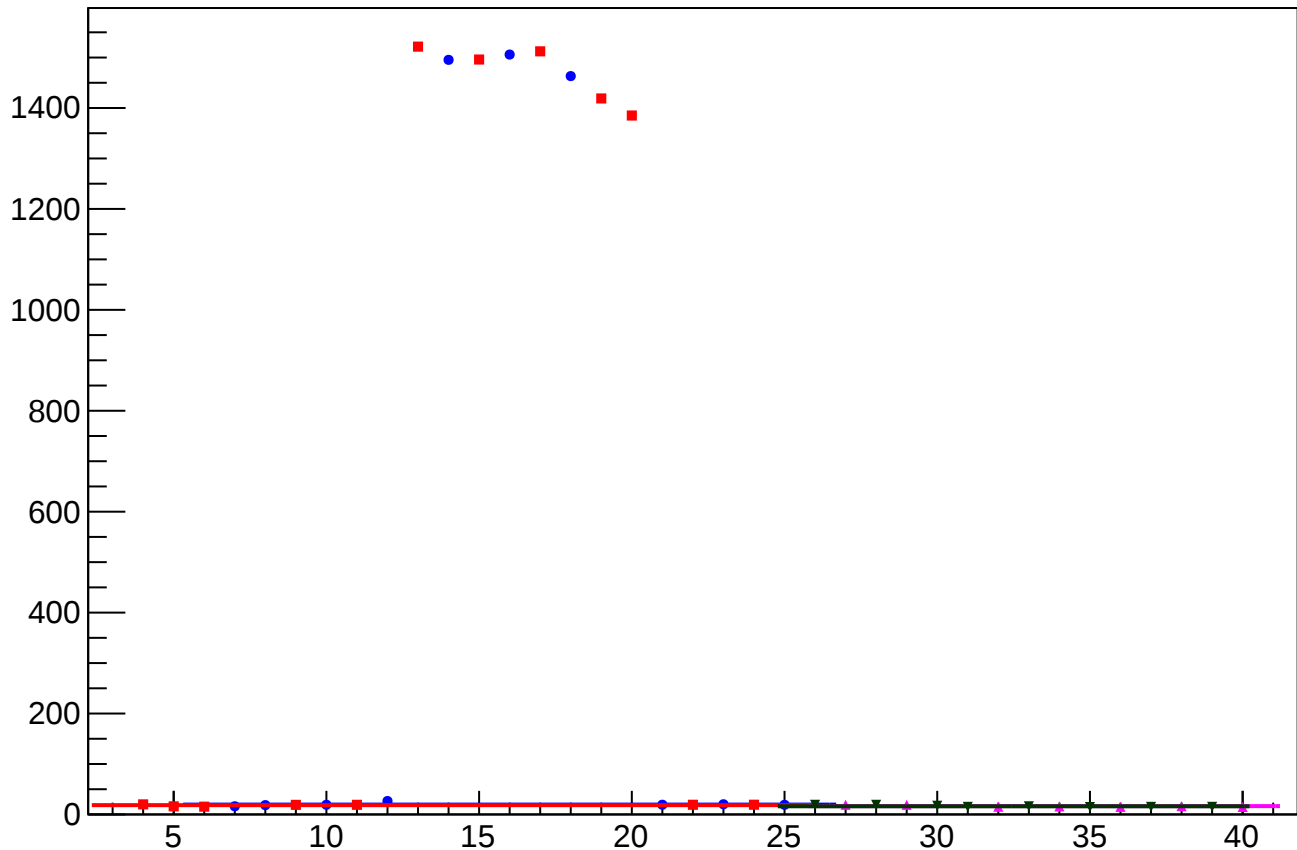
0.723+/-6.092 χ^2/NDF : 12.8/17

Right Out: -10.544+/-9.604 χ^2/NDF : 7.4/11

-16.084+/-6.038 χ^2/NDF : 11.5/18

Left In: -19.704+/-7.764 χ^2/NDF : 3.5/6

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs slug



Right In: 19.527+/-0.007 χ^2/NDF : 4722121.9/9

Left Out: 16.206+/-0.006 χ^2/NDF :91032.5/7

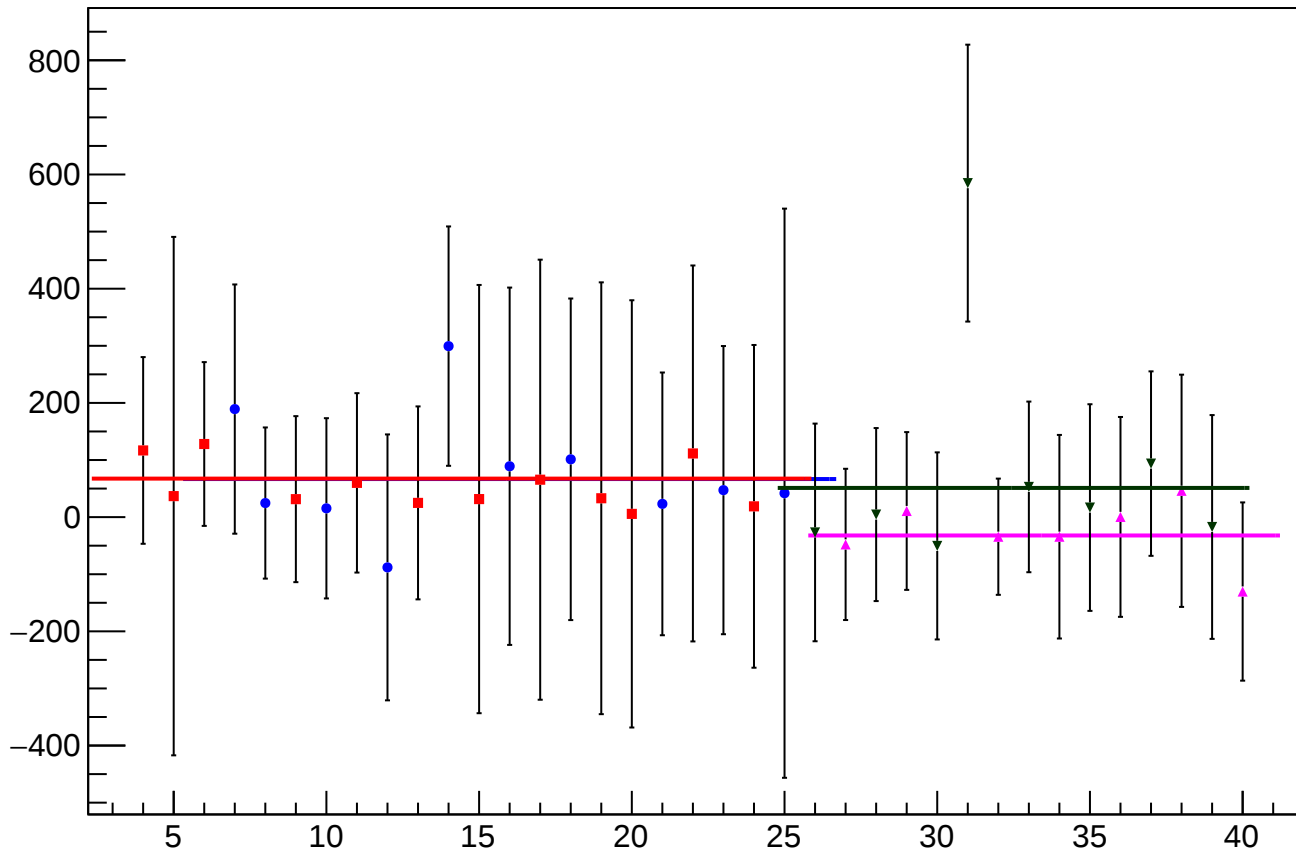
Right Out: 18.441+/-0.007 χ^2/NDF : 5449094.8/11

Left In: 16.530+/-0.005 χ^2/NDF :98055.2/6

17.521+/-0.004 χ^2/NDF : 4955365.5/17

17.286+/-0.004 χ^2/NDF : 5595017.1/18

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs slug



Right In: 66.691 ± 67.281 χ^2/NDF : 2.3/9

Left Out: 51.132 ± 61.417 χ^2/NDF : 5.7/7

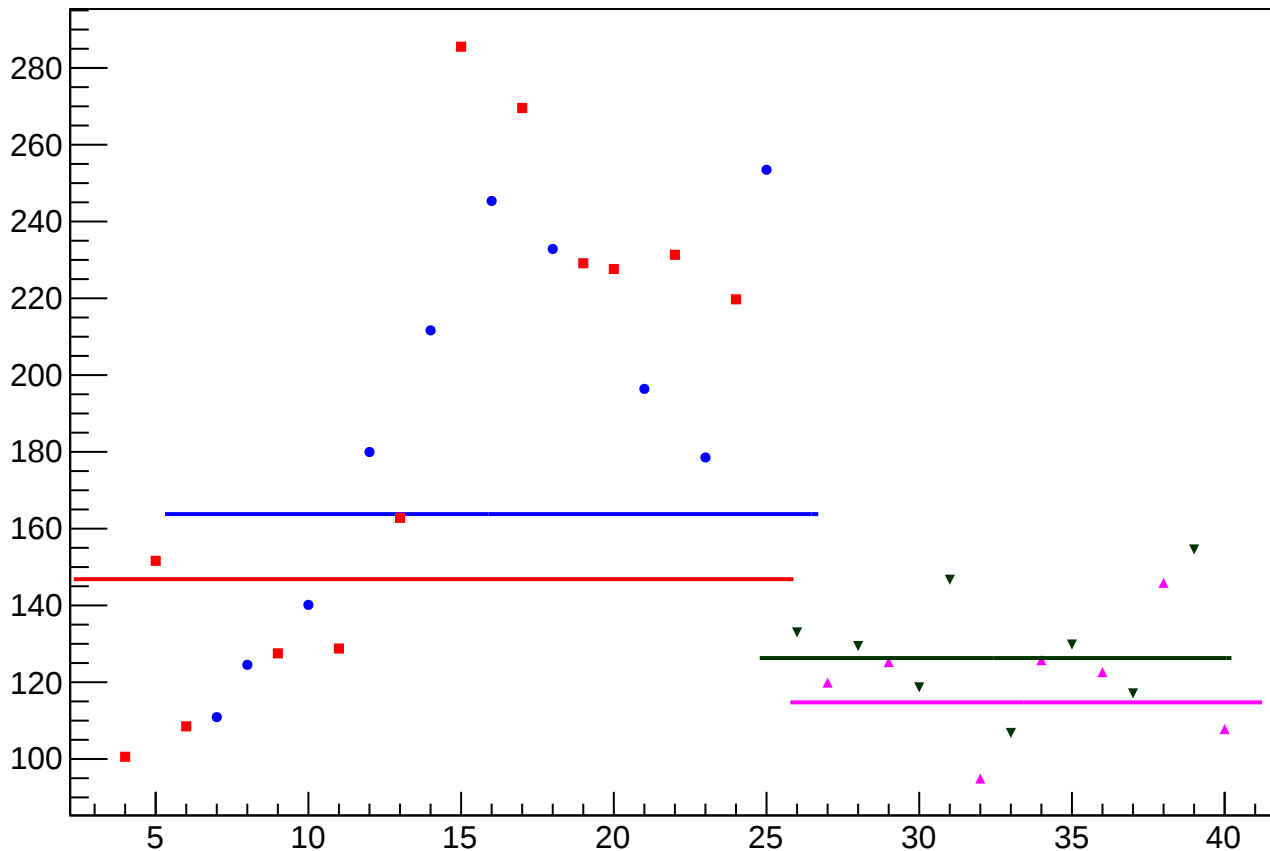
Right Out: 67.441 ± 61.599 χ^2/NDF : 0.5/11

Left In: -32.131 ± 54.606 χ^2/NDF : 0.7/6

58.204 ± 45.360 χ^2/NDF : 8.0/17

11.685 ± 40.862 χ^2/NDF : 2.6/18

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs slug



Right In: 163.792+/-0.048 χ^2/NDF : 820296.7/9

Left Out: 126.297+/-0.043 χ^2/NDF :104806.2/7

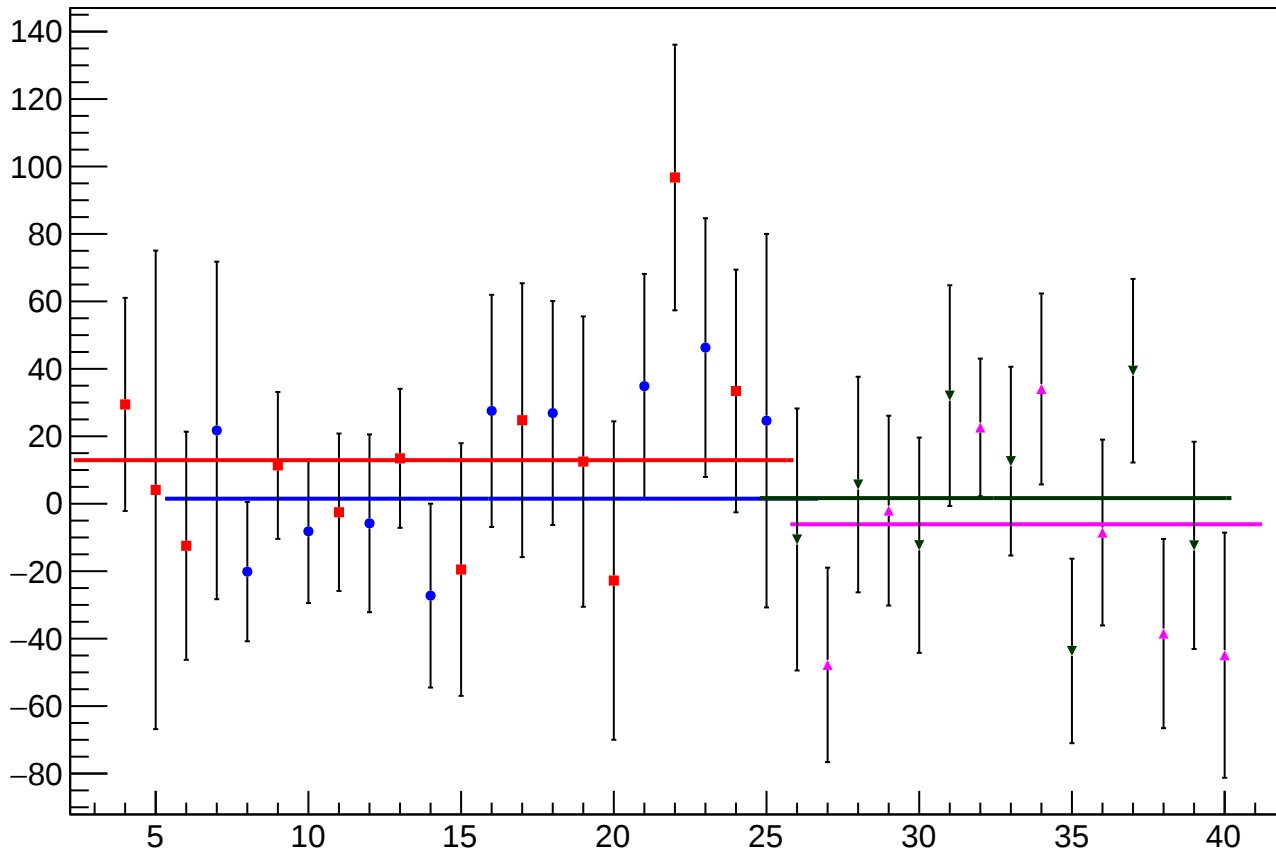
143.340+/-0.032 χ^2/NDF : 1263932.5/17

Right Out: 146.841+/-0.044 χ^2/NDF : 1312358.0/11

128.872+/-0.029 χ^2/NDF : 1769410.5/18

Left In: 114.751+/-0.039 χ^2/NDF :153127.1/6

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs slug



Right In: 1.499 ± 9.367 χ^2/NDF : 6.4/9

Left Out: 1.673 ± 10.797 χ^2/NDF : 6.2/7

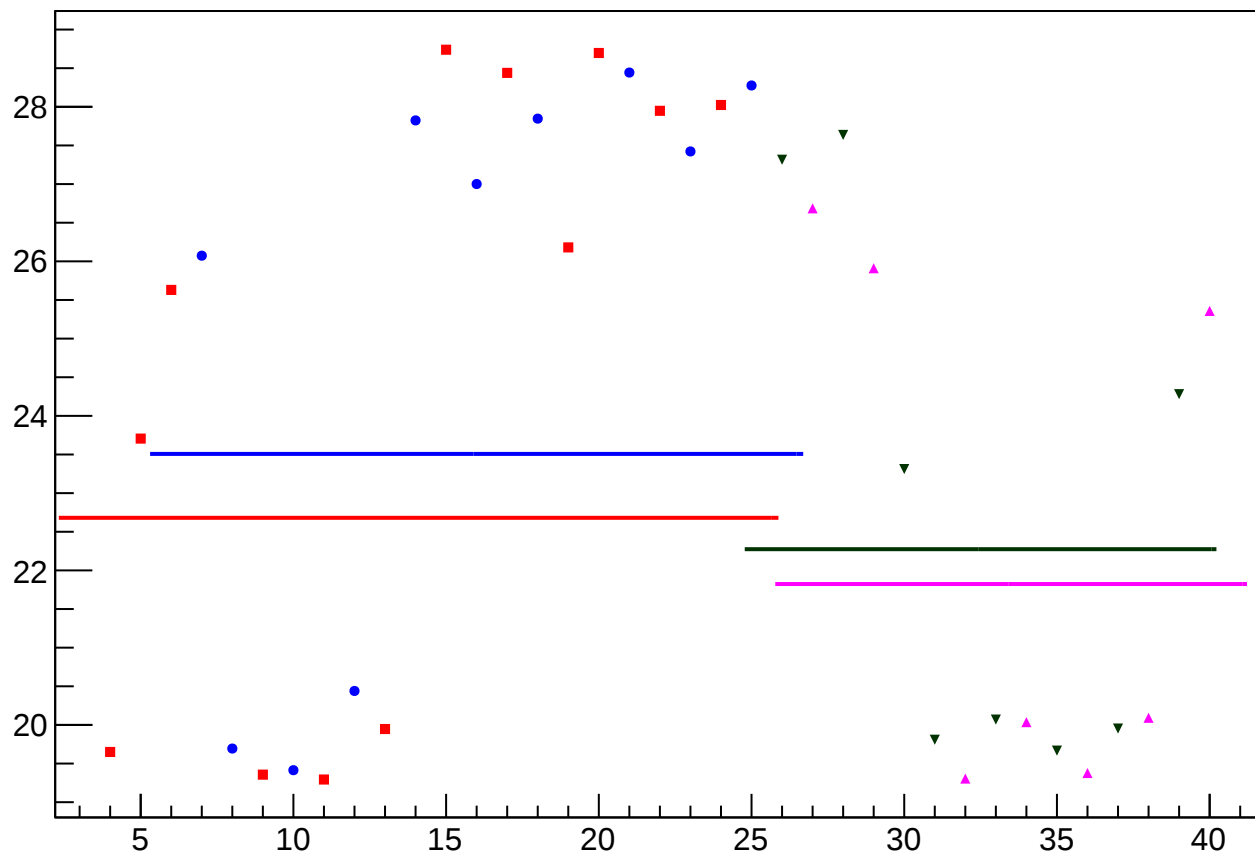
Right Out: 12.920 ± 9.091 χ^2/NDF : 7.6/11

Left In: -6.084 ± 10.284 χ^2/NDF : 8.6/6

1.574 ± 7.075 χ^2/NDF : 12.6/17

4.583 ± 6.811 χ^2/NDF : 18.0/18

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs slug



Right In: 23.508+/-0.007 χ^2/NDF : 359166.3/9

Left Out: 22.275+/-0.008 χ^2/NDF :157080.6/7

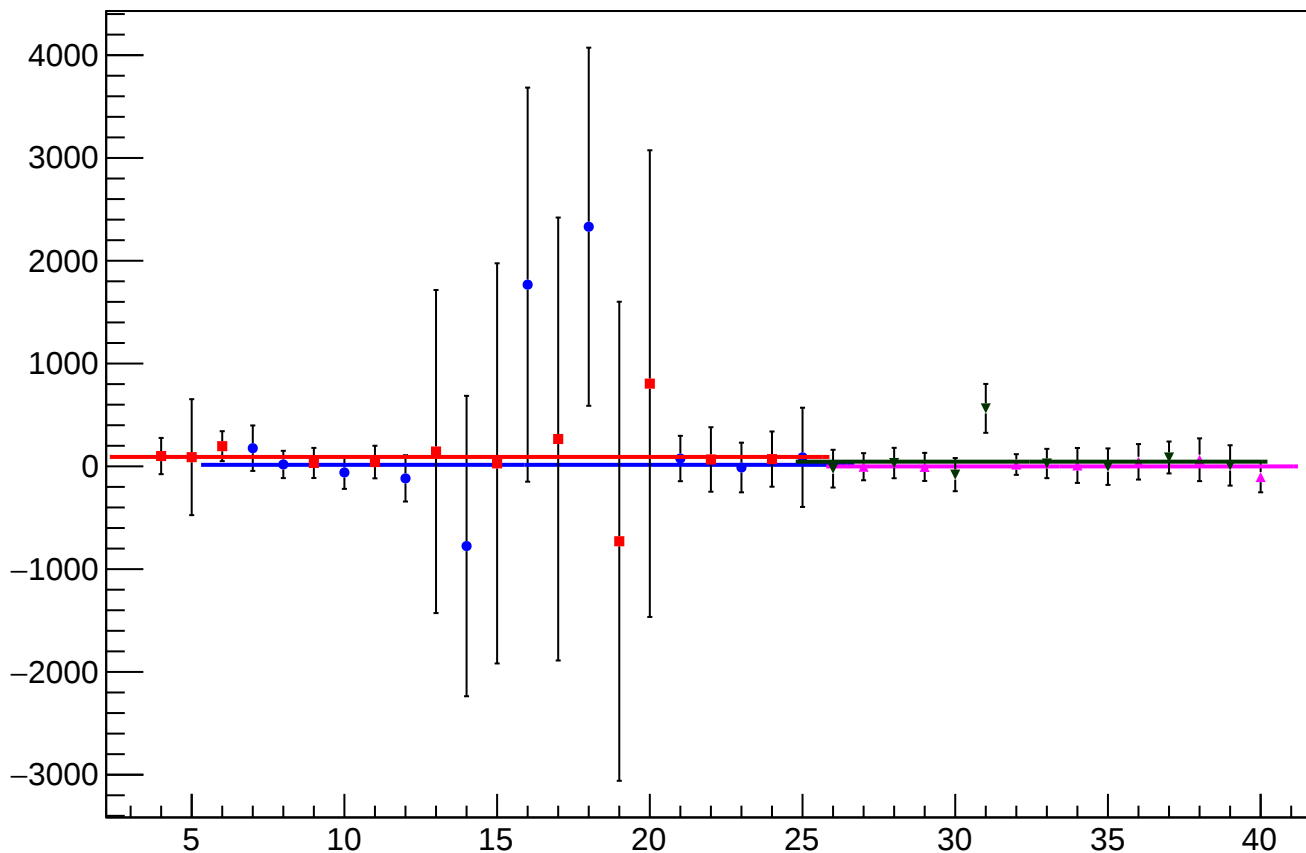
Right Out: 22.681+/-0.006 χ^2/NDF : 376081.4/11

Left In: 21.824+/-0.007 χ^2/NDF :179750.9/6

22.978+/-0.005 χ^2/NDF : 531131.6/17

22.305+/-0.005 χ^2/NDF : 563631.3/18

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs slug



Right In: 14.663 $\pm$ 74.671 χ^2 /NDF: 4.1/9

Left Out: 45.577 $\pm$ 59.773 χ^2 /NDF:5.7/7

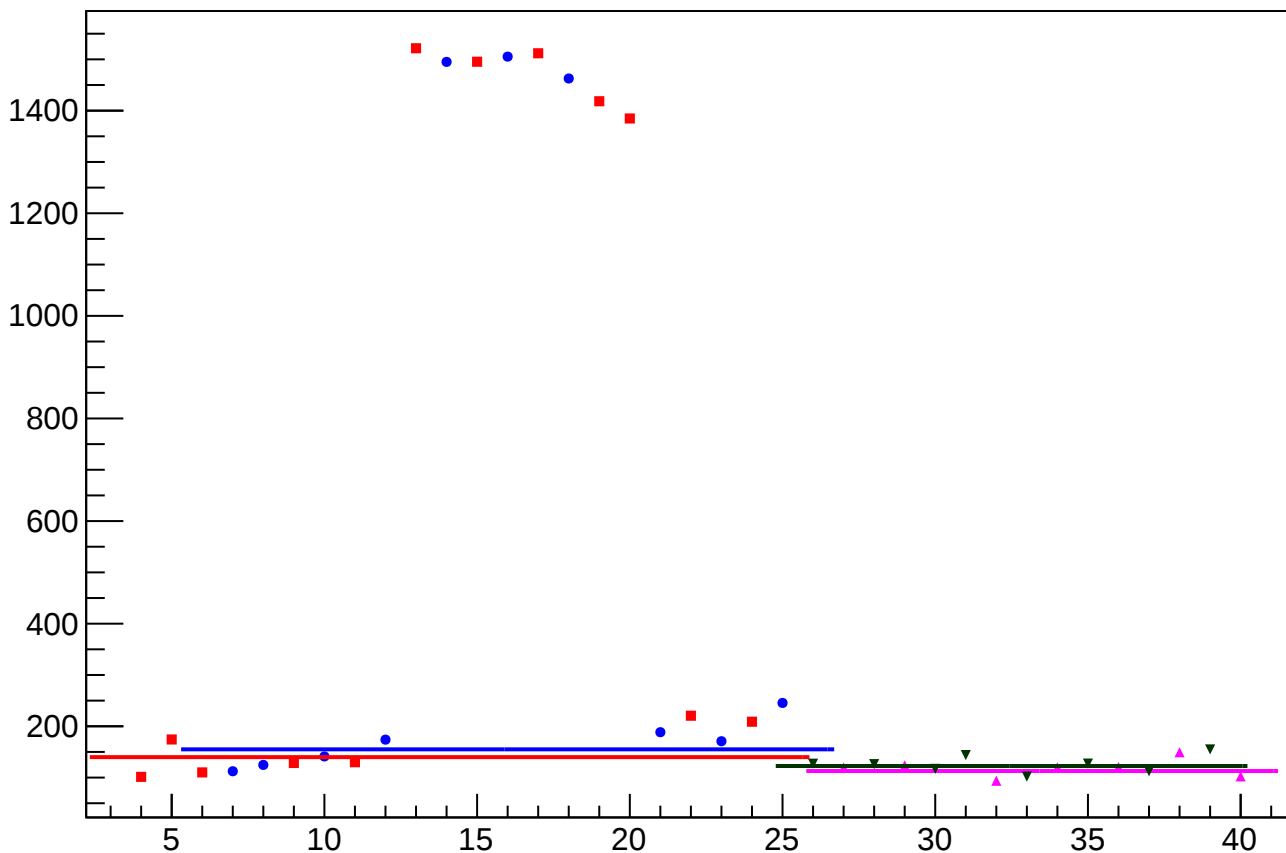
Right Out: 91.524 $\pm$ 71.755 χ^2 /NDF: 1.0/11

Left In: -0.607 $\pm$ 53.700 χ^2 /NDF:0.7/6

33.504 $\pm$ 46.664 χ^2 /NDF: 9.9/17

32.468 $\pm$ 42.994 χ^2 /NDF: 2.8/18

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs slug



Right In: 155.050+/-0.053 χ^2/NDF : 4134456.6/9

Left Out: 122.593+/-0.042 χ^2/NDF :127306.6/7

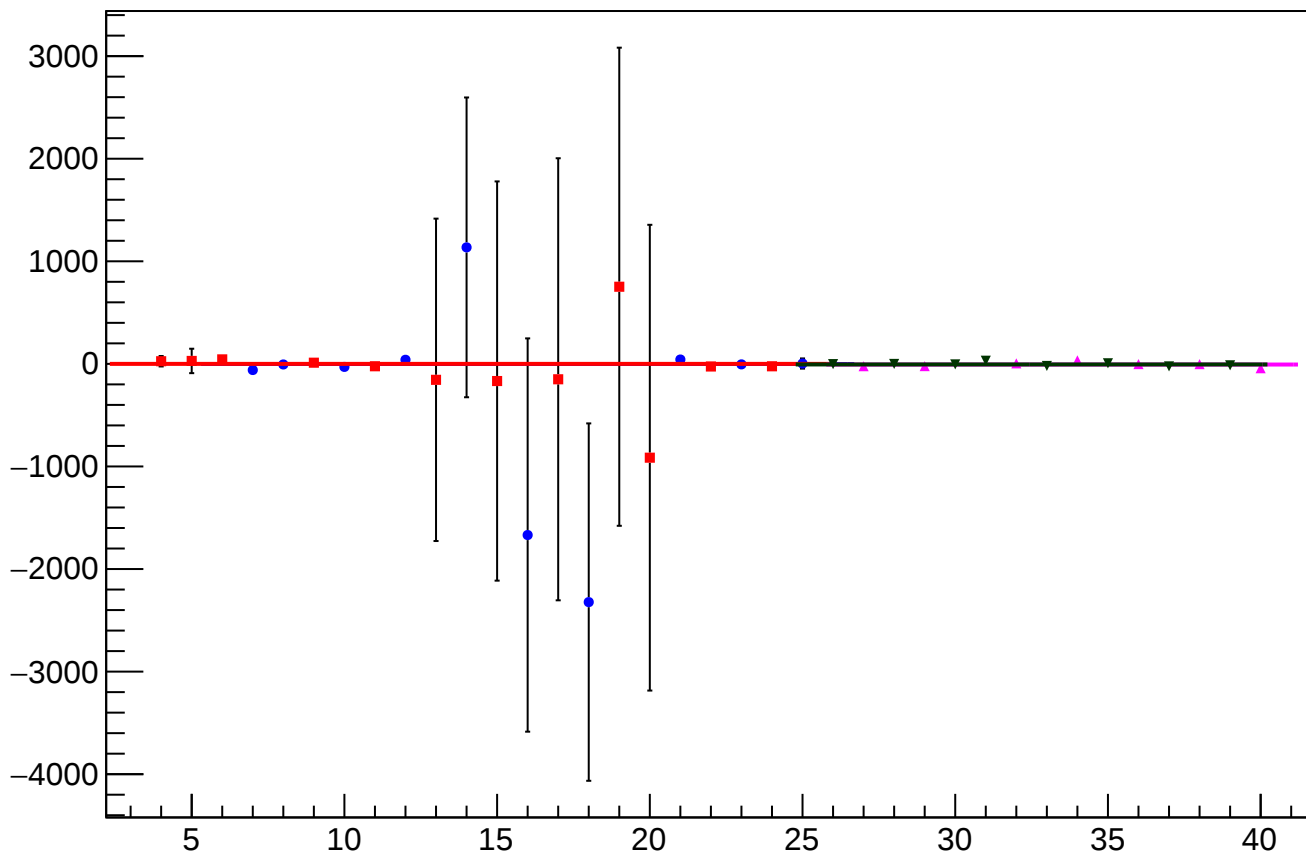
135.269+/-0.033 χ^2/NDF : 4492059.6/17

Right Out: 139.869+/-0.051 χ^2/NDF : 5001746.3/11

122.516+/-0.030 χ^2/NDF : 5353634.9/18

Left In: 112.797+/-0.038 χ^2/NDF :169397.4/6

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs slug



Right In: -1.253+/-12.766 χ^2/NDF : 8.8/9

Left Out: -5.541+/-10.378 χ^2/NDF : 2.3/7

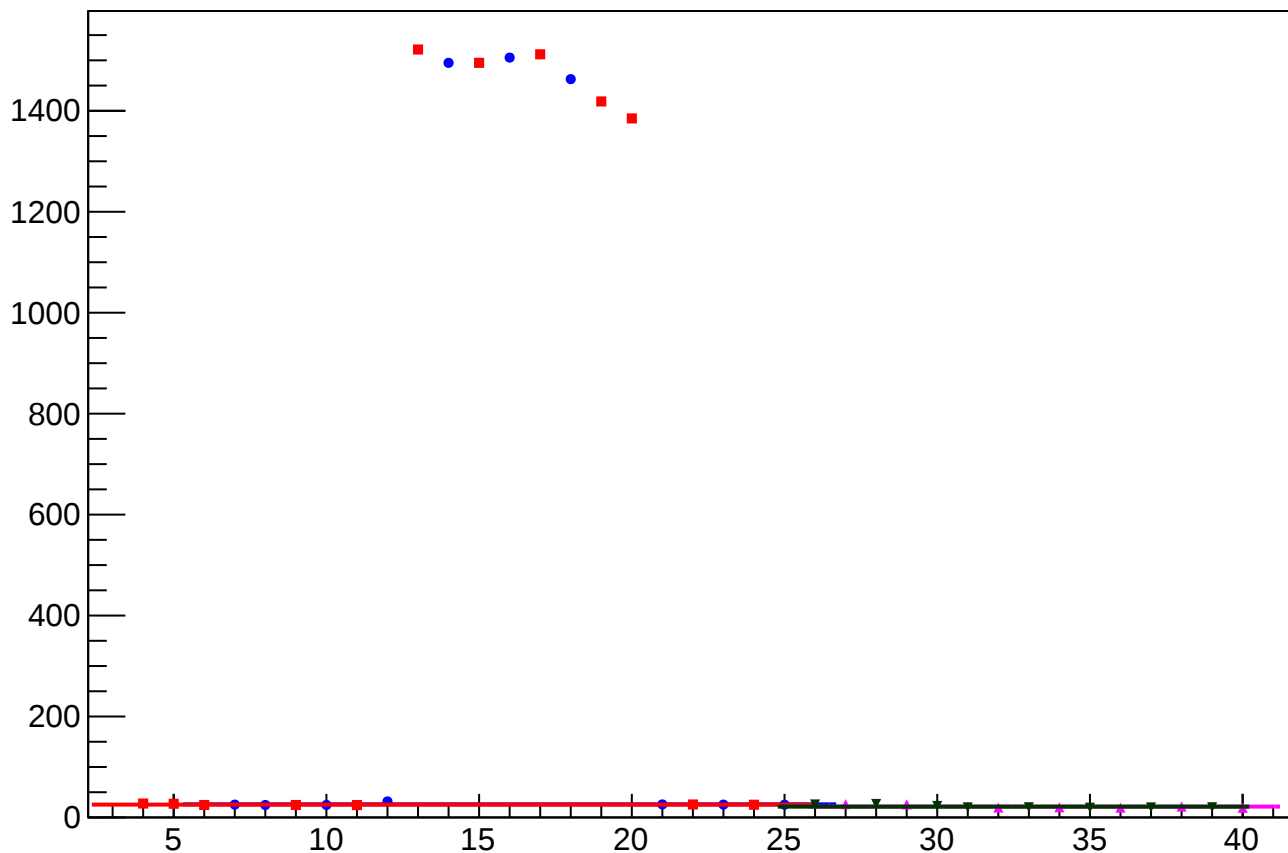
Right Out: -0.057+/-13.414 χ^2/NDF : 4.2/11

Left In: -6.459+/-10.136 χ^2/NDF : 4.7/6

-3.835+/-8.053 χ^2/NDF : 11.1/17

-4.132+/-8.087 χ^2/NDF : 9.1/18

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs slug



Right In: 25.998+/-0.009 χ^2 /NDF: 4621099.1/9

Left Out: 21.431+/-0.007 χ^2 /NDF:122147.8/7

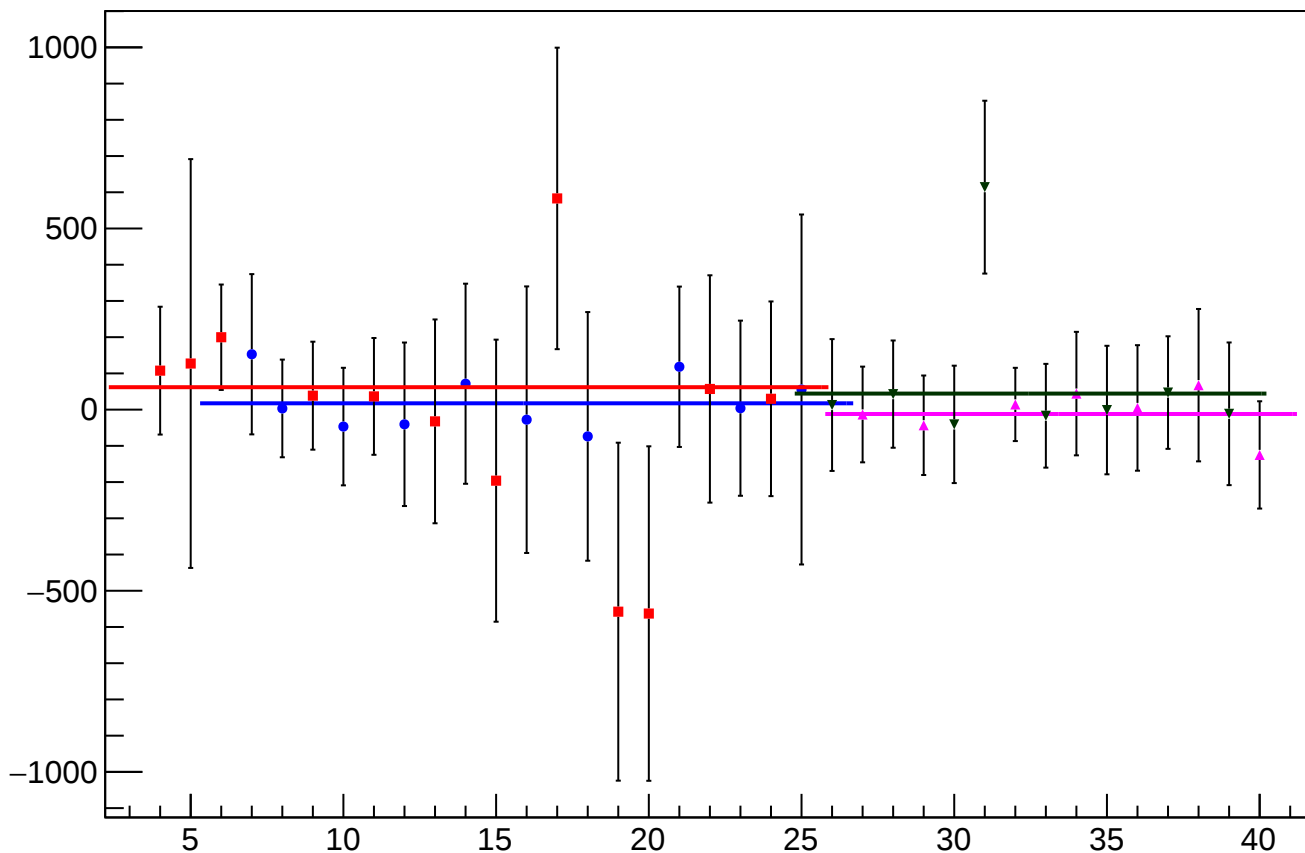
Right Out: 25.431+/-0.009 χ^2 /NDF: 5346262.0/11

Left In: 21.543+/-0.007 χ^2 /NDF:153298.8/6

23.248+/-0.006 χ^2 /NDF: 4897370.3/17

22.956+/-0.006 χ^2 /NDF: 5606525.3/18

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs slug



Right In: 17.450+/-70.034 χ^2/NDF : 0.9/9

Left Out: 44.294+/-59.841 χ^2/NDF : 6.3/7

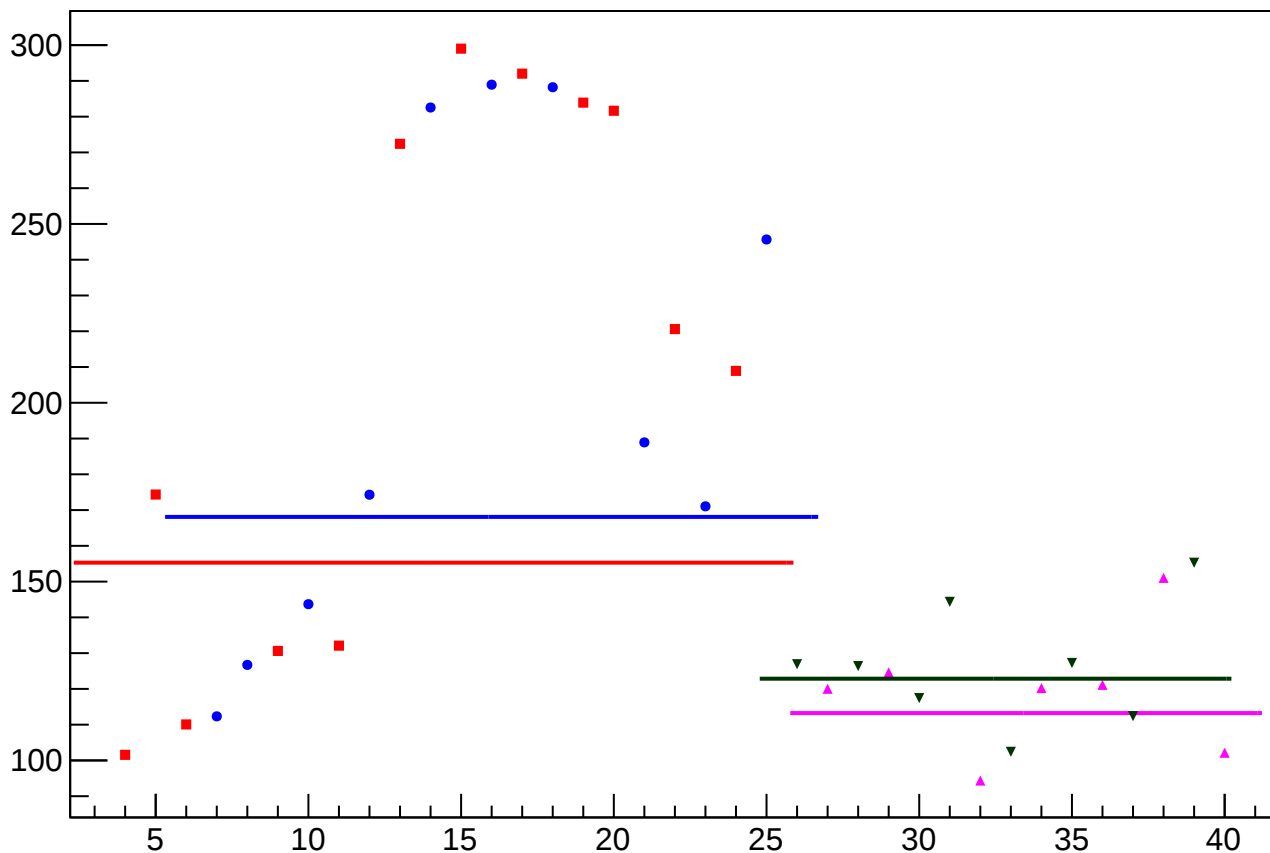
Right Out: 61.917+/-66.769 χ^2/NDF : 6.8/11

Left In: -12.066+/-53.912 χ^2/NDF : 1.0/6

32.966+/-45.495 χ^2/NDF : 7.4/17

17.132+/-41.946 χ^2/NDF : 8.5/18

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs slug



Right In: 168.090 $\pm$ 0.050 χ^2 /NDF: 1236302.5/9

Left Out: 122.855 $\pm$ 0.042 χ^2 /NDF:125886.1/7

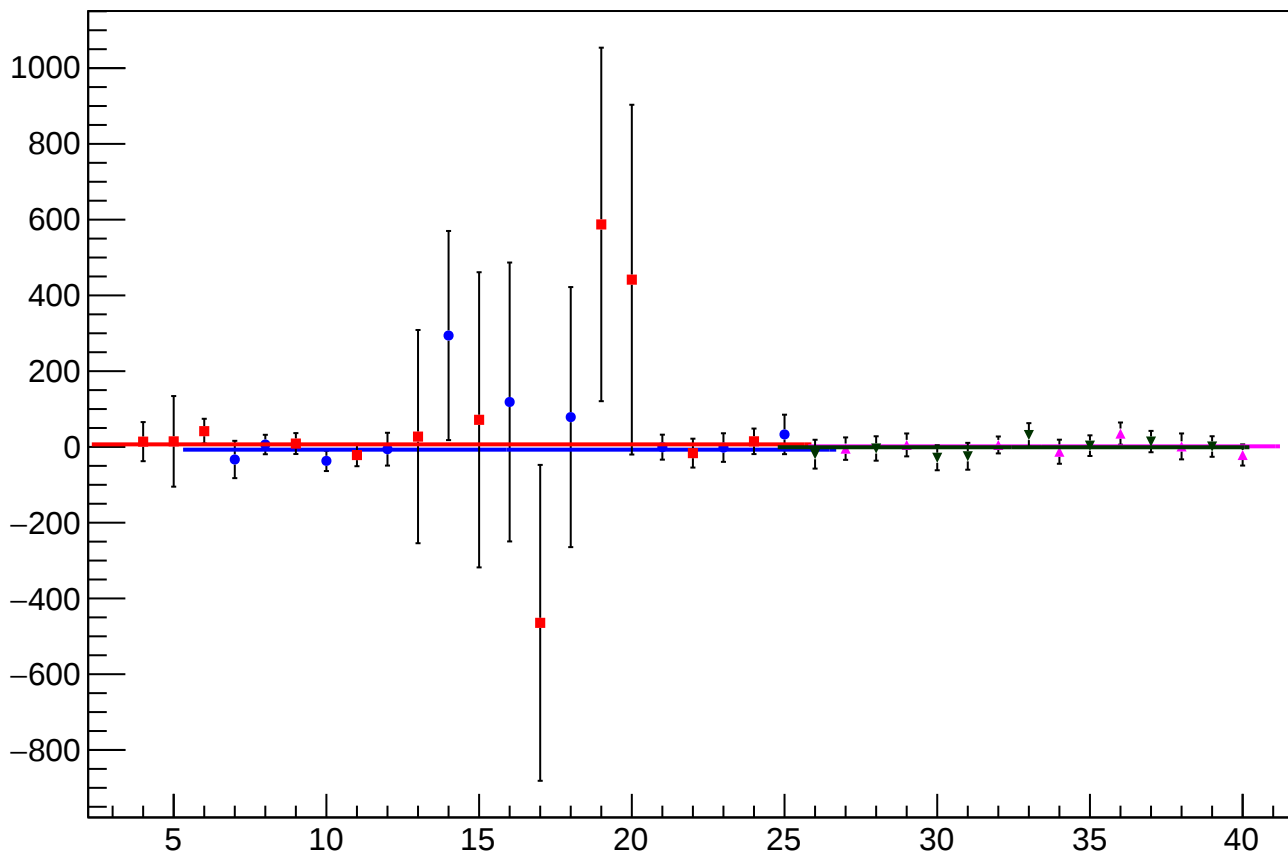
141.944 $\pm$ 0.032 χ^2 /NDF: 1844464.1/17

Right Out: 155.299 $\pm$ 0.047 χ^2 /NDF: 1780534.8/11

129.841 $\pm$ 0.030 χ^2 /NDF: 2432820.7/18

Left In: 113.243 $\pm$ 0.038 χ^2 /NDF:171976.6/6

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs slug



Right In: -7.237+/-13.049 χ^2/NDF : 3.8/9

Left Out: -0.890+/-10.945 χ^2/NDF : 2.8/7

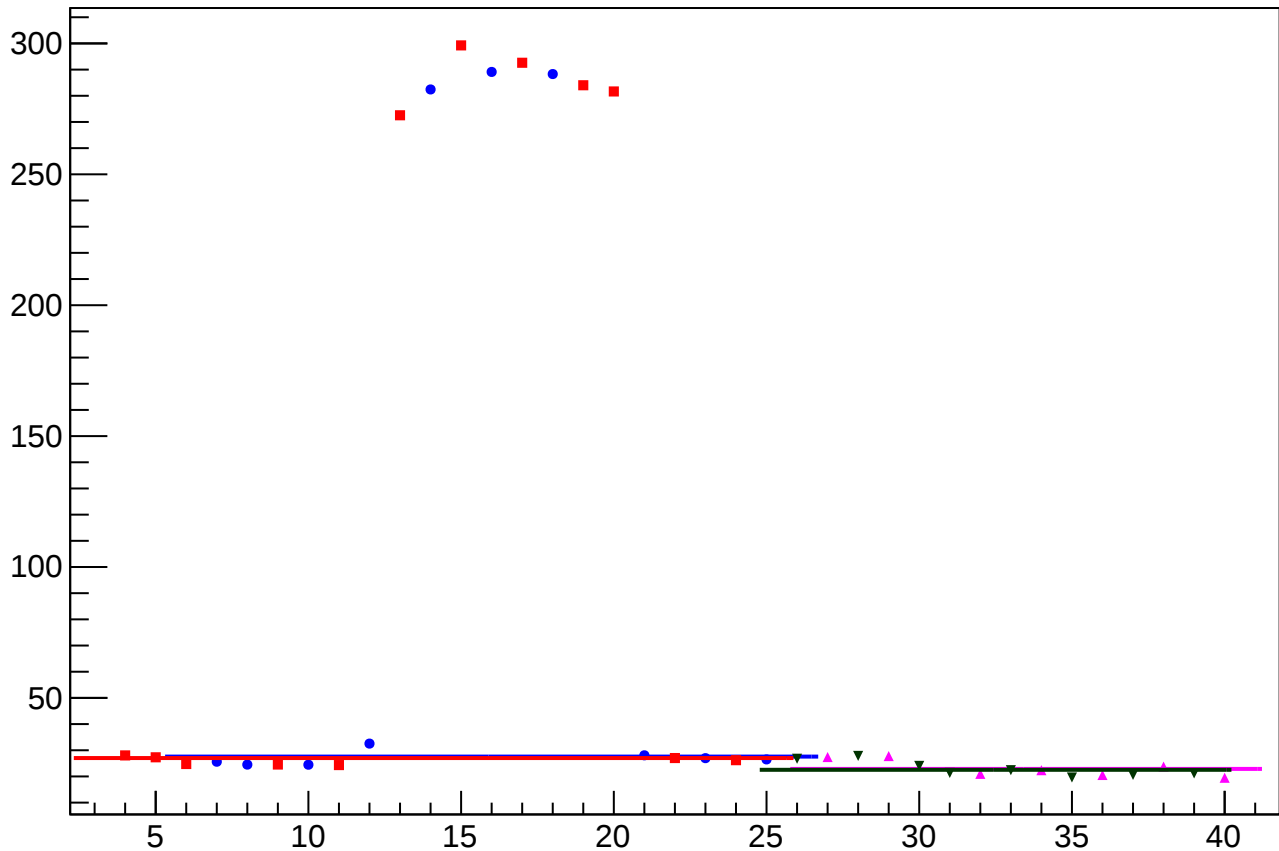
Right Out: 6.763+/-13.545 χ^2/NDF : 6.3/11

Left In: 1.585+/-10.829 χ^2/NDF : 2.3/6

-3.511+/-8.386 χ^2/NDF : 6.7/17

3.604+/-8.458 χ^2/NDF : 8.6/18

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs slug



Right In: 27.582+/-0.009 χ^2/NDF : 3953856.3/9

Left Out: 22.534+/-0.008 χ^2/NDF : 123353.8/7

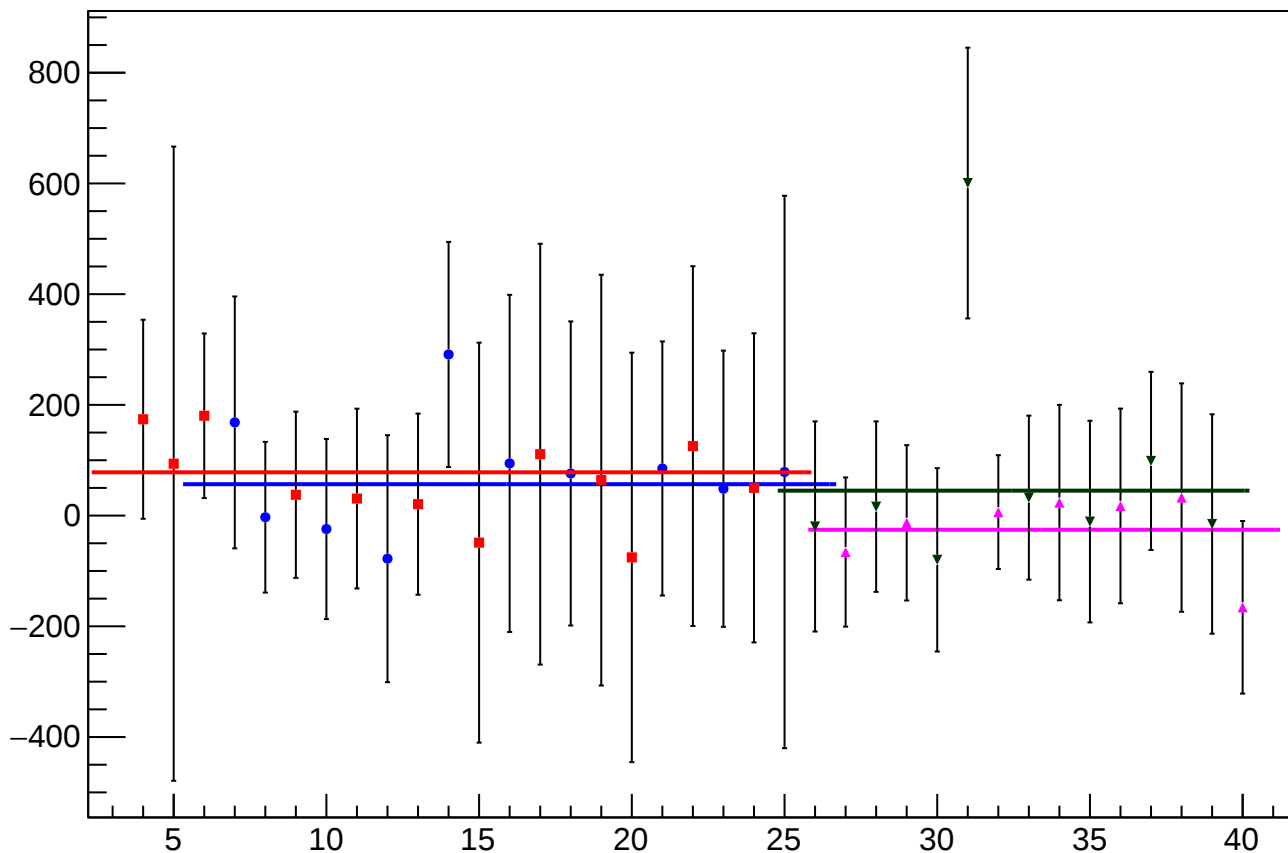
24.619+/-0.006 χ^2/NDF : 4252883.8/17

Right Out: 27.023+/-0.010 χ^2/NDF : 4568943.2/11

24.493+/-0.006 χ^2/NDF : 4840681.3/18

Left In: 22.877+/-0.008 χ^2/NDF : 157410.3/6

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs slug



Right In: 56.719 +/- 67.654 χ^2/NDF : 2.4/9

Left Out: 45.067 +/- 61.674 χ^2/NDF : 6.2/7

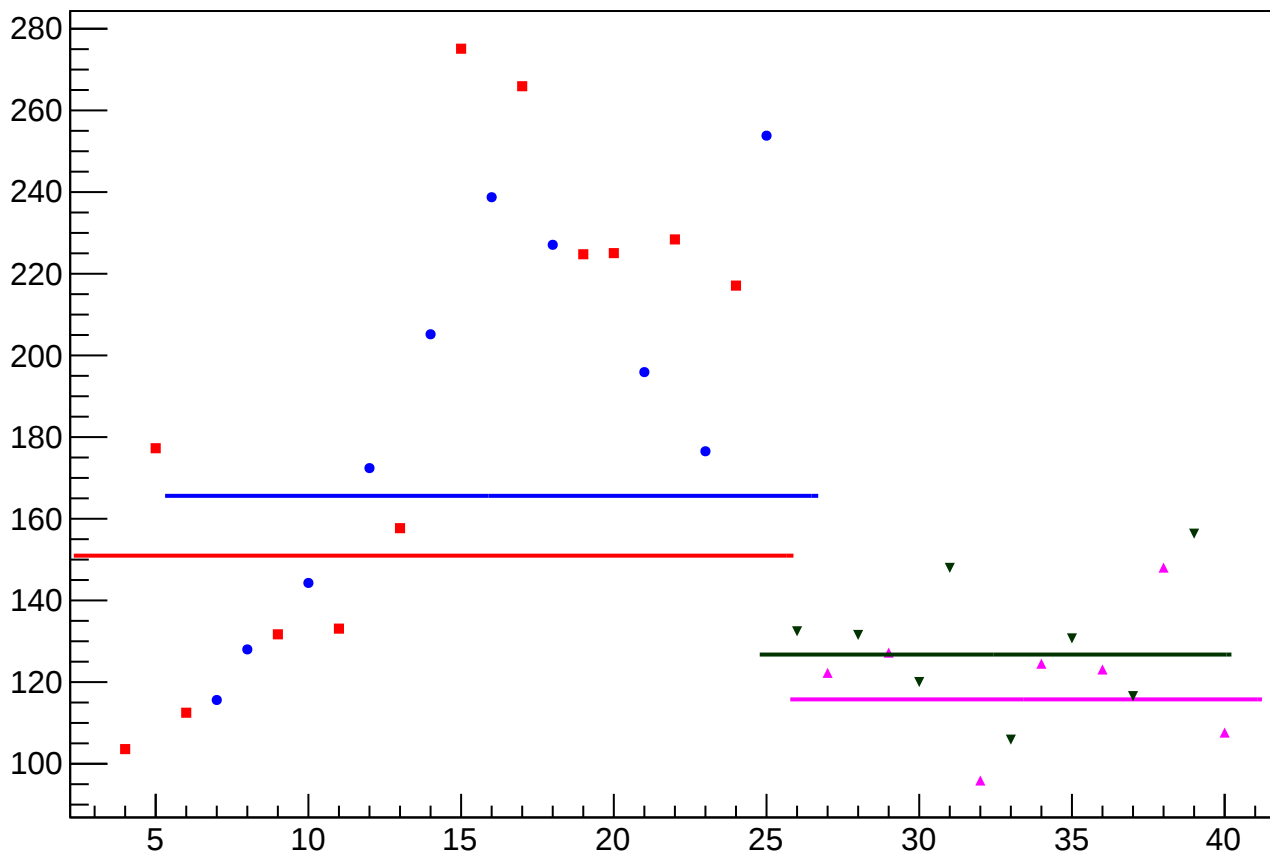
Right Out: 78.185 +/- 63.204 χ^2/NDF : 1.4/11

Left In: -25.534 +/- 55.075 χ^2/NDF : 1.2/6

50.355 +/- 45.578 χ^2/NDF : 8.6/17

19.230 +/- 41.522 χ^2/NDF : 4.1/18

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs slug



Right In: 165.614 $\pm$ 0.048 χ^2 /NDF: 678005.1/9

Left Out: 126.748 $\pm$ 0.044 χ^2 /NDF: 115255.8/7

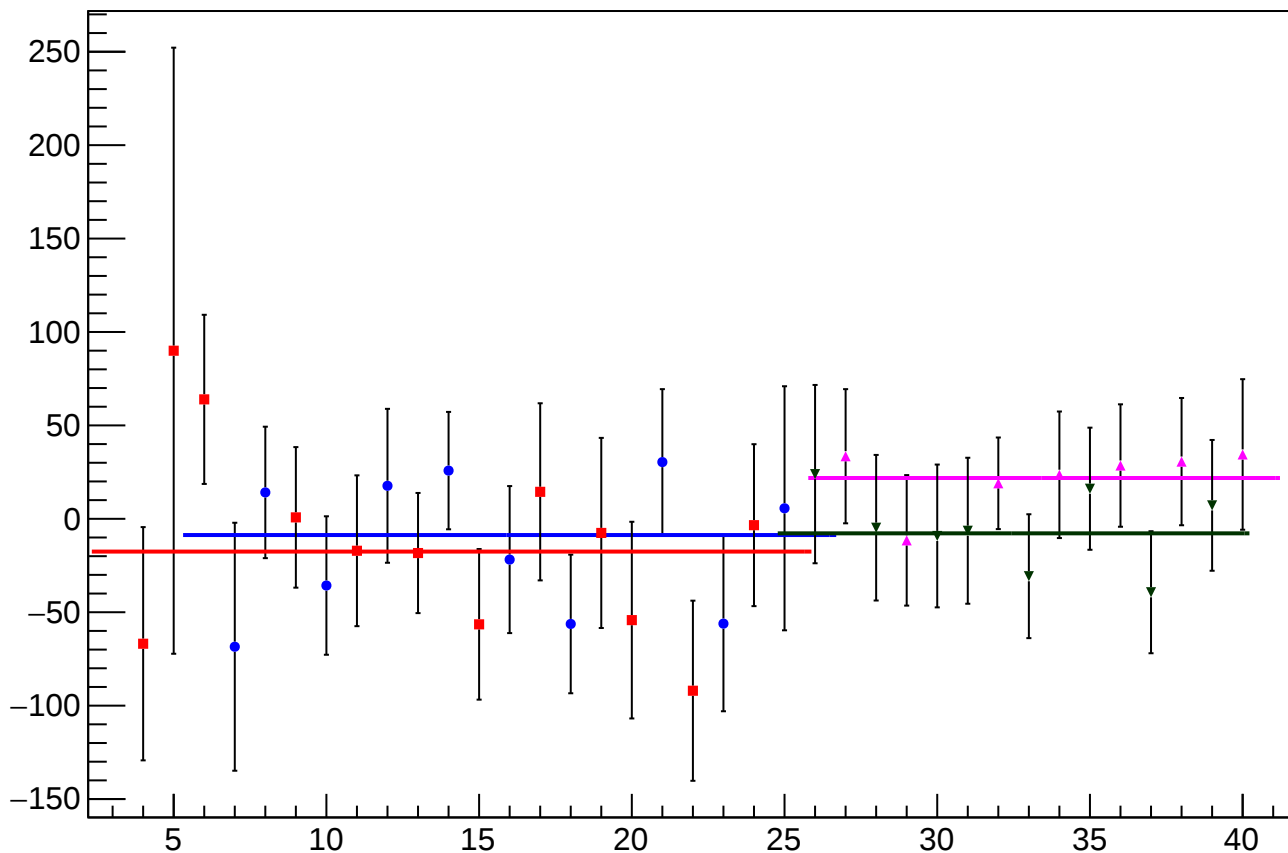
Right Out: 150.968 $\pm$ 0.045 χ^2 /NDF: 1141850.9/11

Left In: 115.768 $\pm$ 0.039 χ^2 /NDF: 155497.2/6

144.388 $\pm$ 0.032 χ^2 /NDF: 1153754.1/17

130.960 $\pm$ 0.029 χ^2 /NDF: 1649957.7/18

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs slug



Right In: -8.681 ± 12.821 χ^2/NDF : 7.2/9

Left Out: -7.773 ± 12.870 χ^2/NDF : 2.6/7

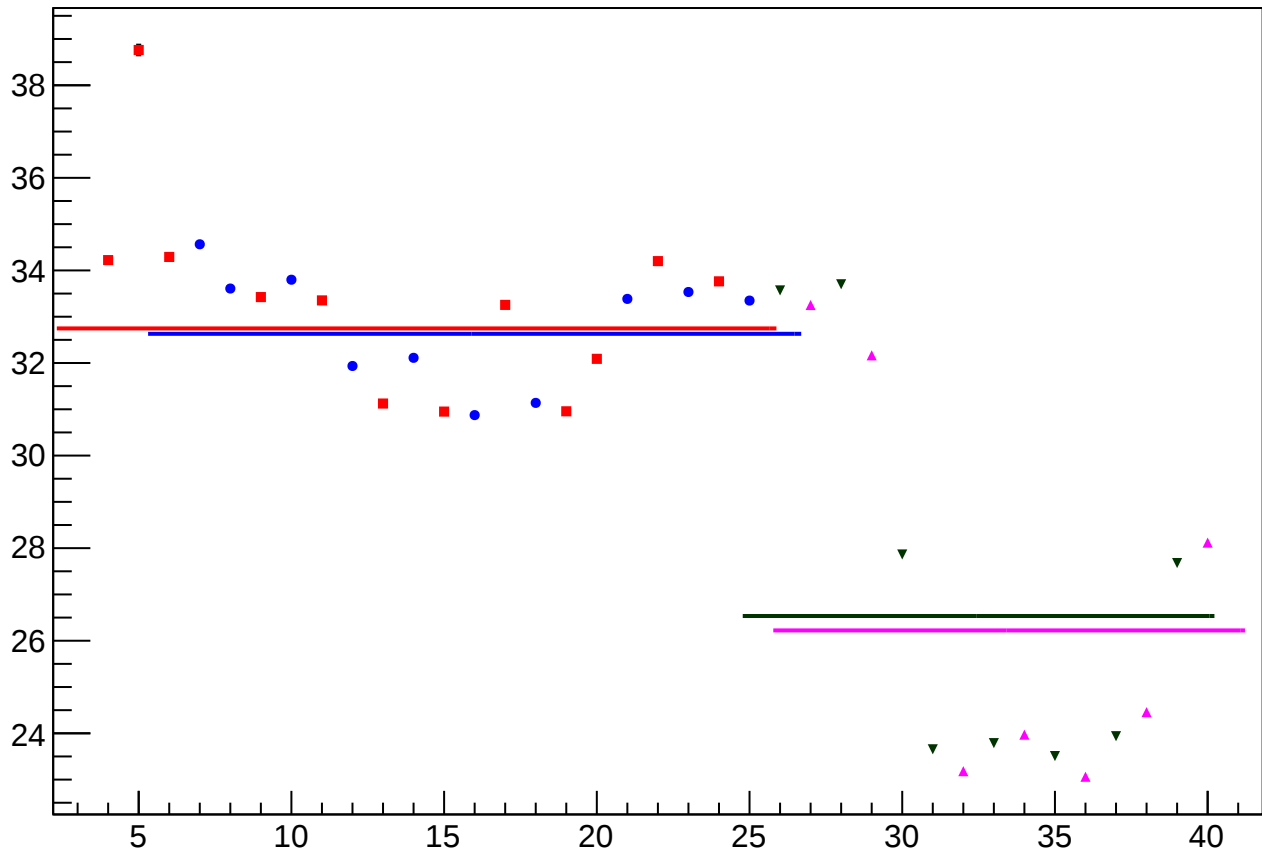
Right Out: -17.538 ± 13.085 χ^2/NDF : 8.9/11

Left In: 21.846 ± 12.365 χ^2/NDF : 1.2/6

-8.229 ± 9.083 χ^2/NDF : 9.8/17

3.268 ± 8.987 χ^2/NDF : 15.0/18

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs slug



Right In: 32.631+/-0.009 χ^2/NDF : 15297.1/9

Left Out: 26.534+/-0.009 χ^2/NDF :170050.8/7

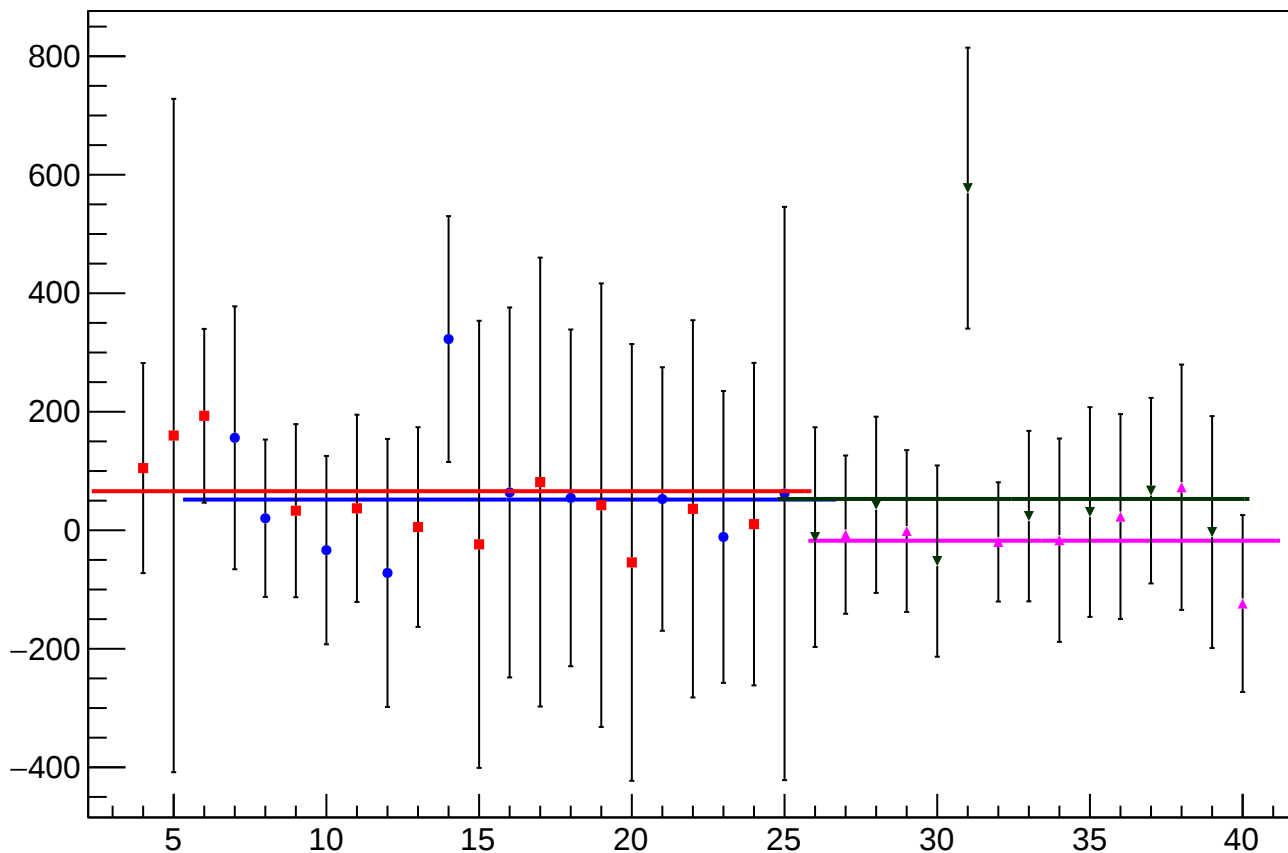
29.594+/-0.006 χ^2/NDF : 410614.1/17

Right Out: 32.747+/-0.009 χ^2/NDF : 22297.5/11

29.301+/-0.006 χ^2/NDF : 487562.5/18

Left In: 26.223+/-0.009 χ^2/NDF :202601.4/6

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs slug



Right In: 51.834 $\pm$ 66.963 χ^2/NDF : 2.6/9

Left Out: 52.859 $\pm$ 60.015 χ^2/NDF : 5.6/7

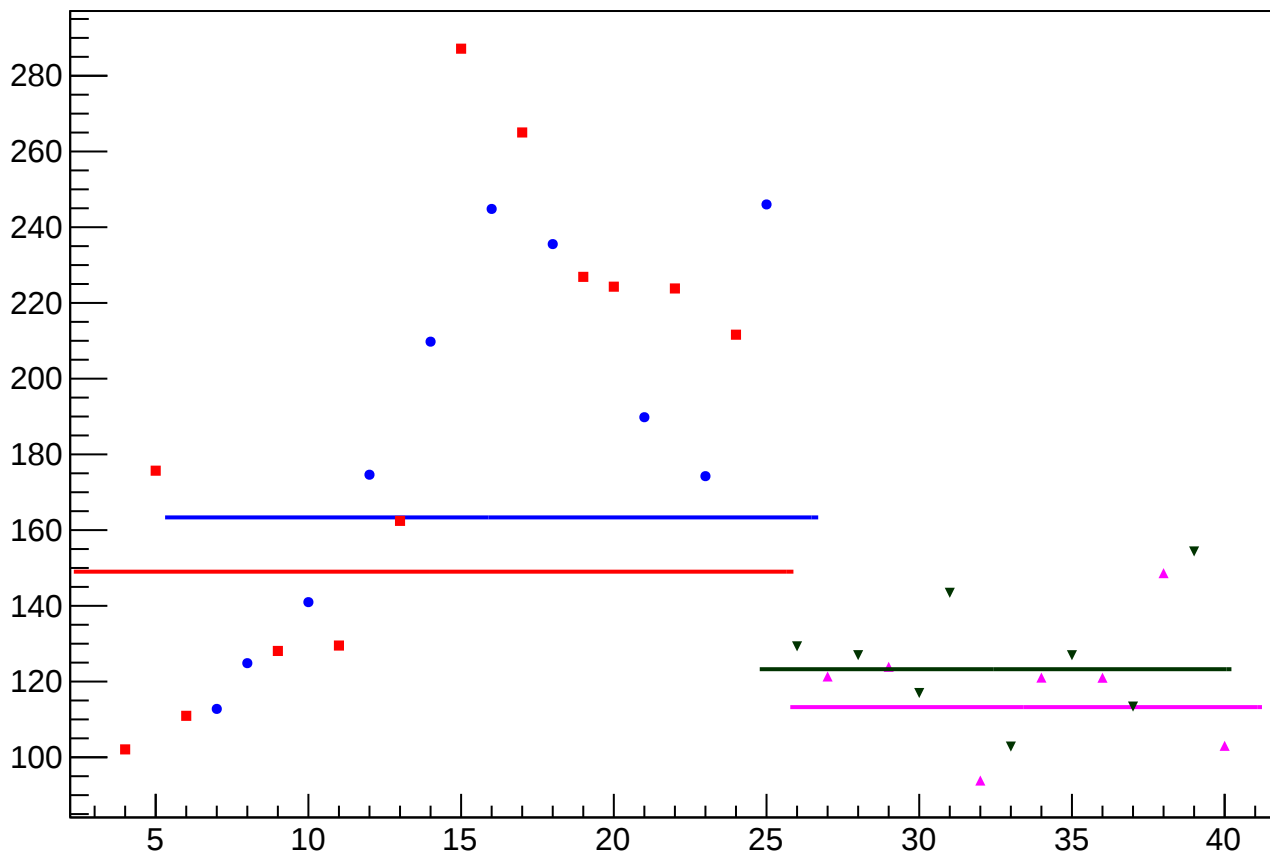
Right Out: 65.954 $\pm$ 62.568 χ^2/NDF : 1.3/11

Left In: -17.643 $\pm$ 53.908 χ^2/NDF : 0.8/6

52.402 $\pm$ 44.692 χ^2/NDF : 8.2/17

17.974 $\pm$ 40.840 χ^2/NDF : 3.1/18

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs slug



Right In: 163.355+/-0.047 χ^2/NDF : 772602.2/9

Left Out: 123.263+/-0.042 χ^2/NDF : 120569.3/7

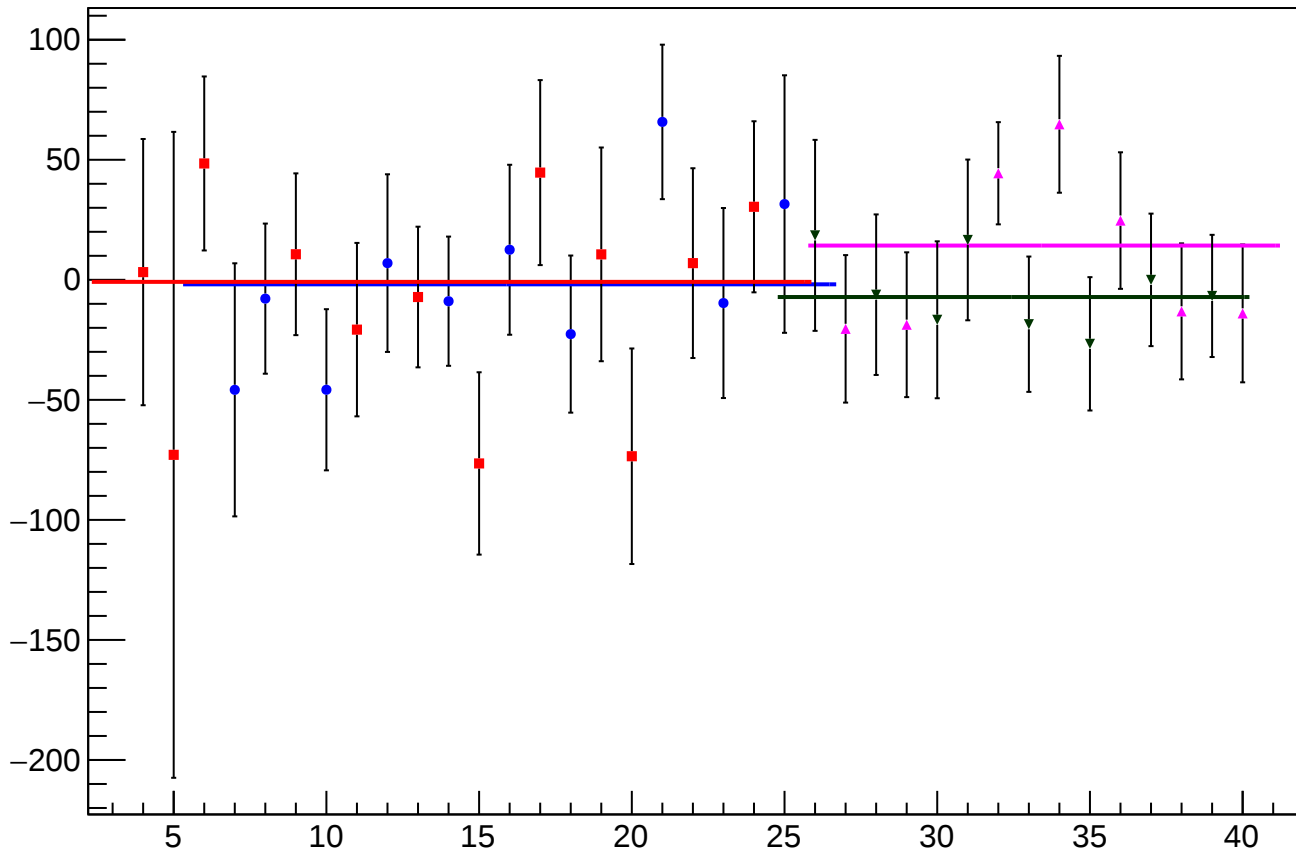
Right Out: 149.022+/-0.044 χ^2/NDF : 1205634.3/11

Left In: 113.250+/-0.038 χ^2/NDF : 169755.5/6

141.122+/-0.032 χ^2/NDF : 1290741.9/17

128.491+/-0.029 χ^2/NDF : 1750595.7/18

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs slug



Right In: -1.881 ± 11.135 $\chi^2/\text{NDF}: 8.0/9$

Left Out: -7.166 ± 10.680 $\chi^2/\text{NDF}: 1.7/7$

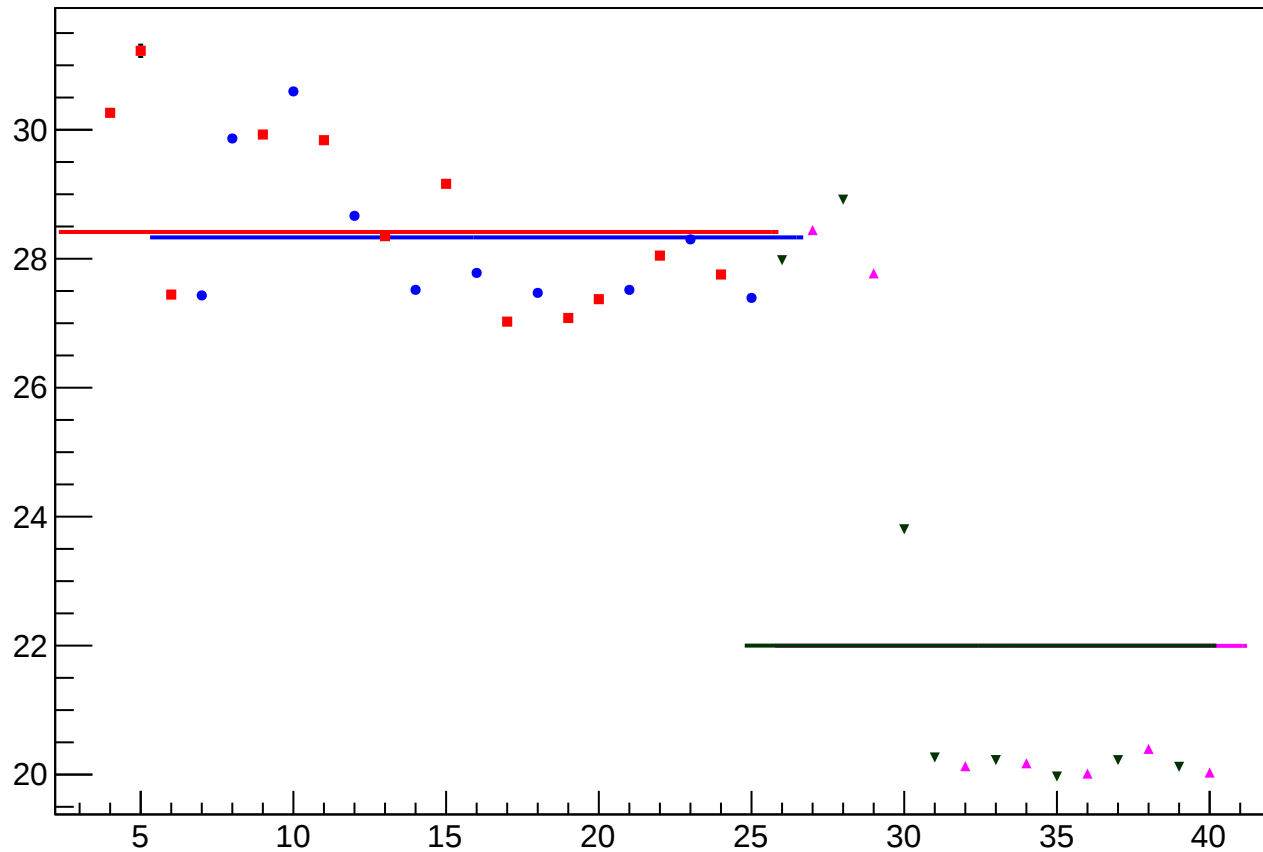
Right Out: -0.853 ± 11.359 $\chi^2/\text{NDF}: 11.5/11$

Left In: 14.271 ± 10.374 $\chi^2/\text{NDF}: 9.7/6$

-4.634 ± 7.707 $\chi^2/\text{NDF}: 9.8/17$

7.393 ± 7.660 $\chi^2/\text{NDF}: 22.1/18$

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs slug



Right In: 28.331+/-0.008 χ^2/NDF : 20249.2/9

Left Out: 22.000+/-0.008 χ^2/NDF : 180040.9/7

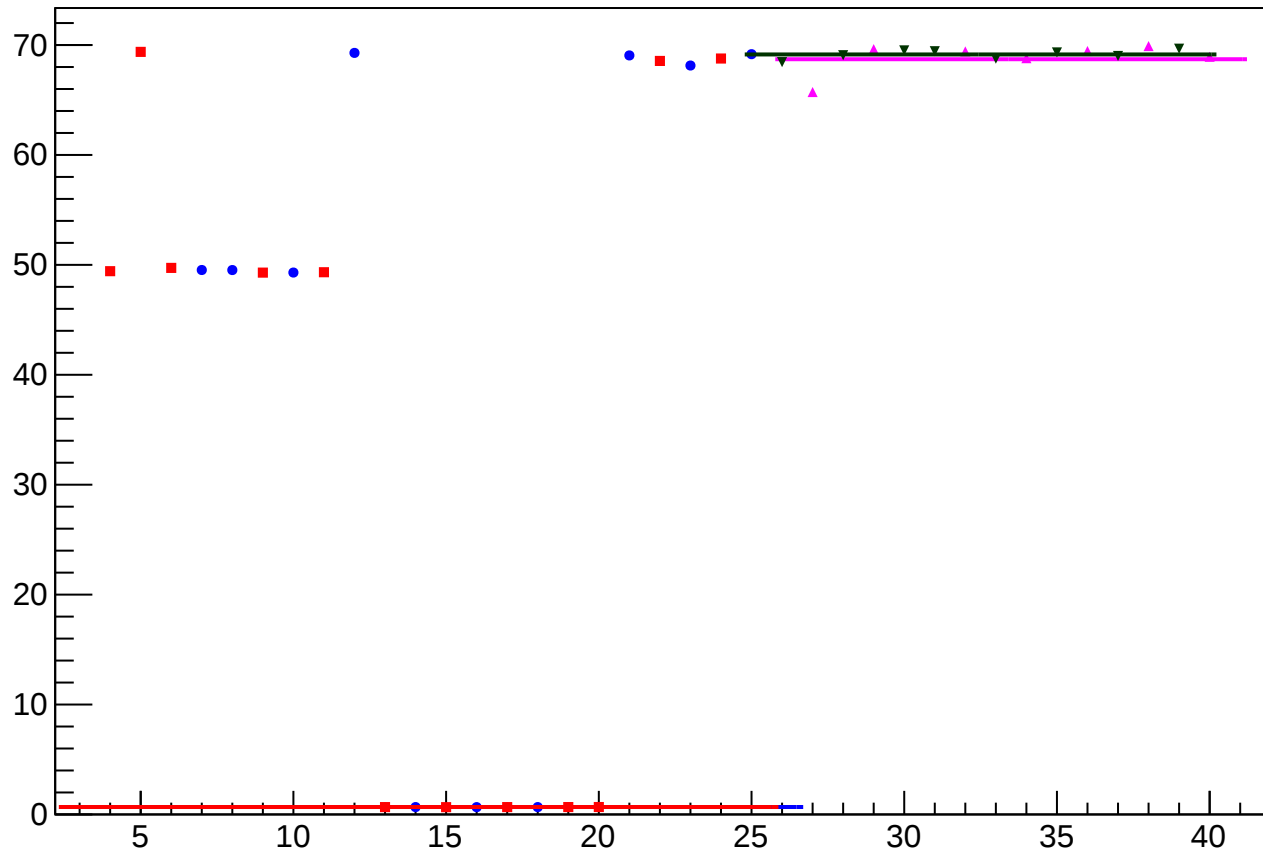
Right Out: 28.415+/-0.008 χ^2/NDF : 18780.8/11

Left In: 21.997+/-0.007 χ^2/NDF : 210490.8/6

25.034+/-0.005 χ^2/NDF : 537059.5/17

24.915+/-0.005 χ^2/NDF : 577487.5/18

yield_bcm_an_ds_mean vs slug



Right In: 0.678+/-0.000 χ^2/NDF : 493978436701.3/9

Left Out: 69.143+/-0.000 χ^2/NDF :18583455.4/7

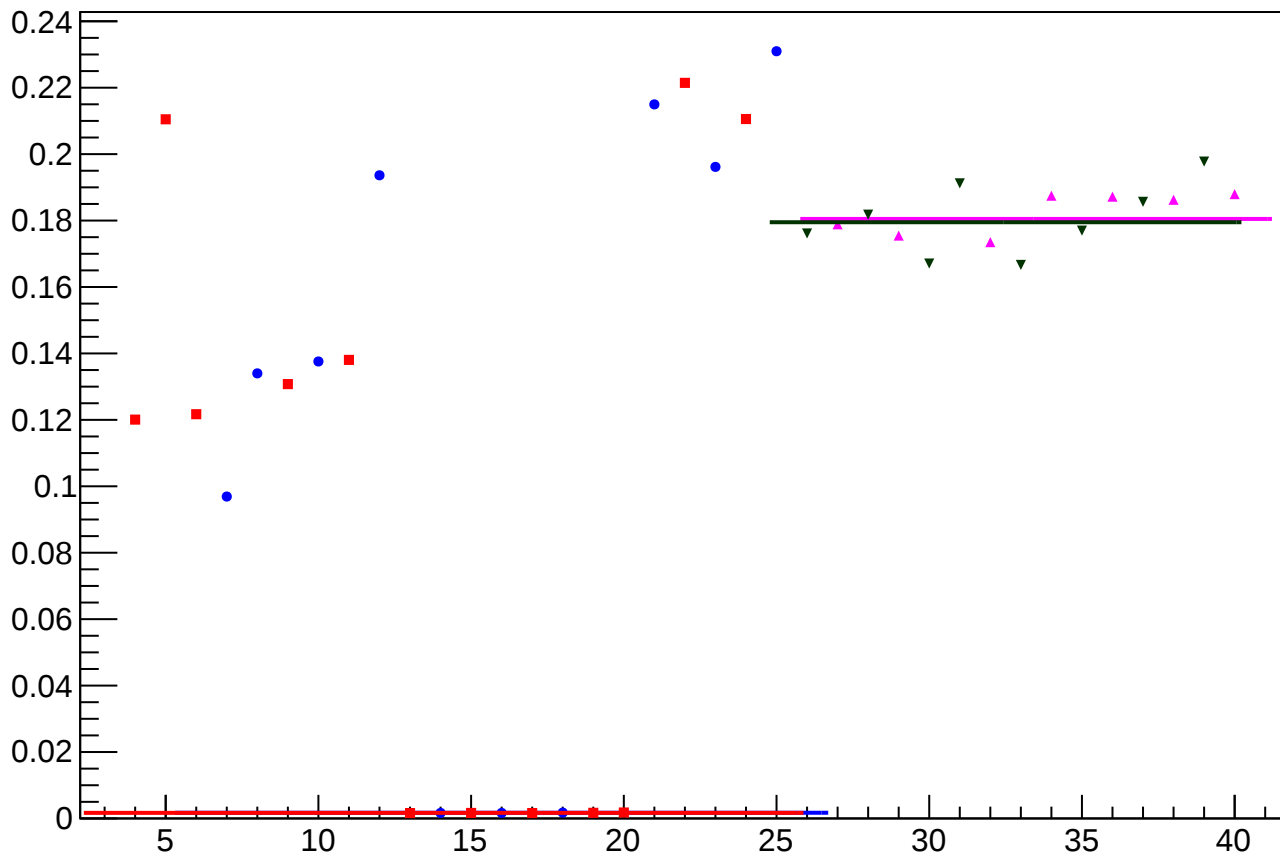
0.689+/-0.000 χ^2/NDF : 1097334909021.4/17

Right Out: 0.677+/-0.000 χ^2/NDF : 436954244556.0/11

0.687+/-0.000 χ^2/NDF : 1065773706021.1/18

Left In: 68.709+/-0.000 χ^2/NDF :293355571.8/6

yield_bcm_an_ds_rms vs slug



Right In: 0.002+/-0.000 χ^2/NDF : 7632381.8/9

Left Out: 0.179+/-0.000 χ^2/NDF :26458.7/7

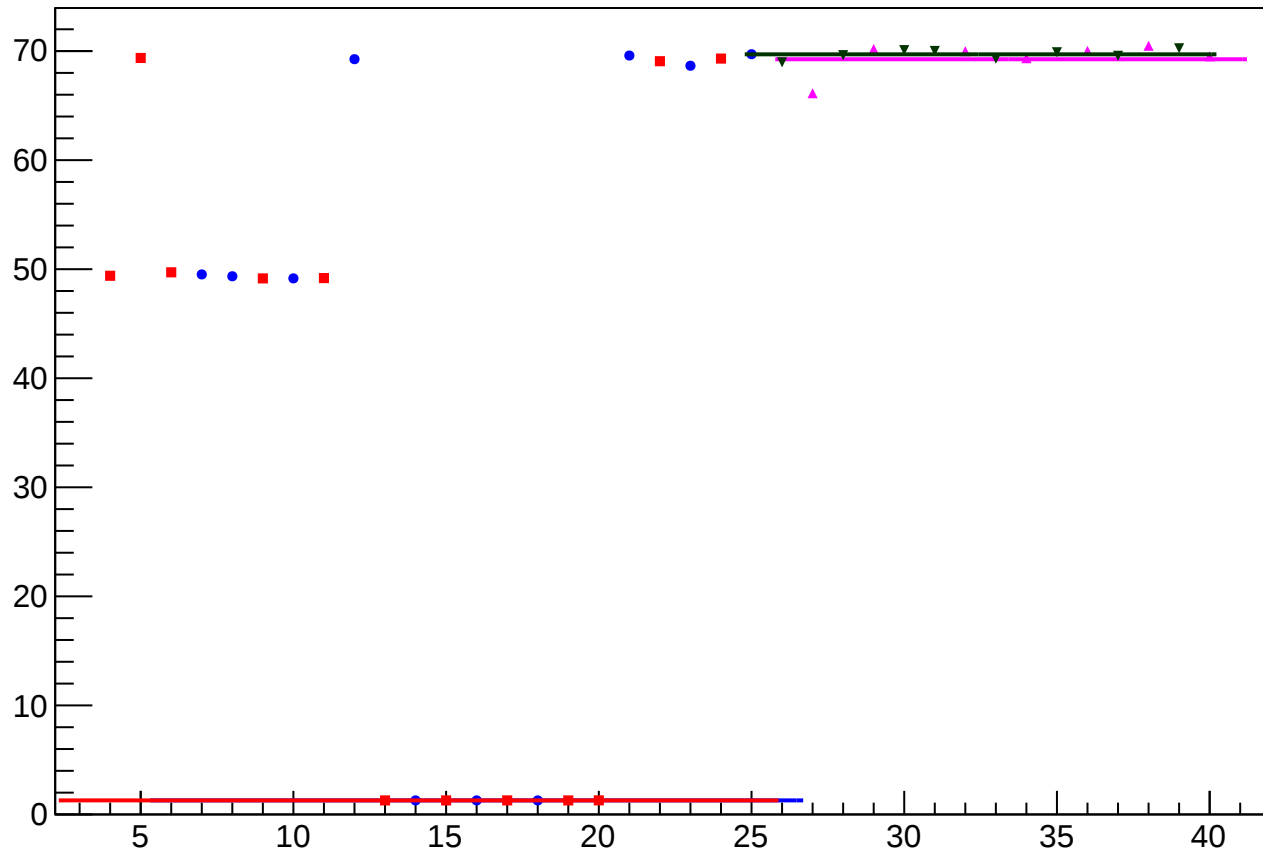
Right Out: 0.002+/-0.000 χ^2/NDF : 6636068.7/11

Left In: 0.180+/-0.000 χ^2/NDF :9301.7/6

0.002+/-0.000 χ^2/NDF : 15795118.7/17

0.002+/-0.000 χ^2/NDF : 15329115.7/18

yield_bcm_an_ds3_mean vs slug



Right In: 1.290+/-0.000 χ^2/NDF : 493068682652.8/9

Left Out: 69.703+/-0.000 χ^2/NDF :19455897.6/7

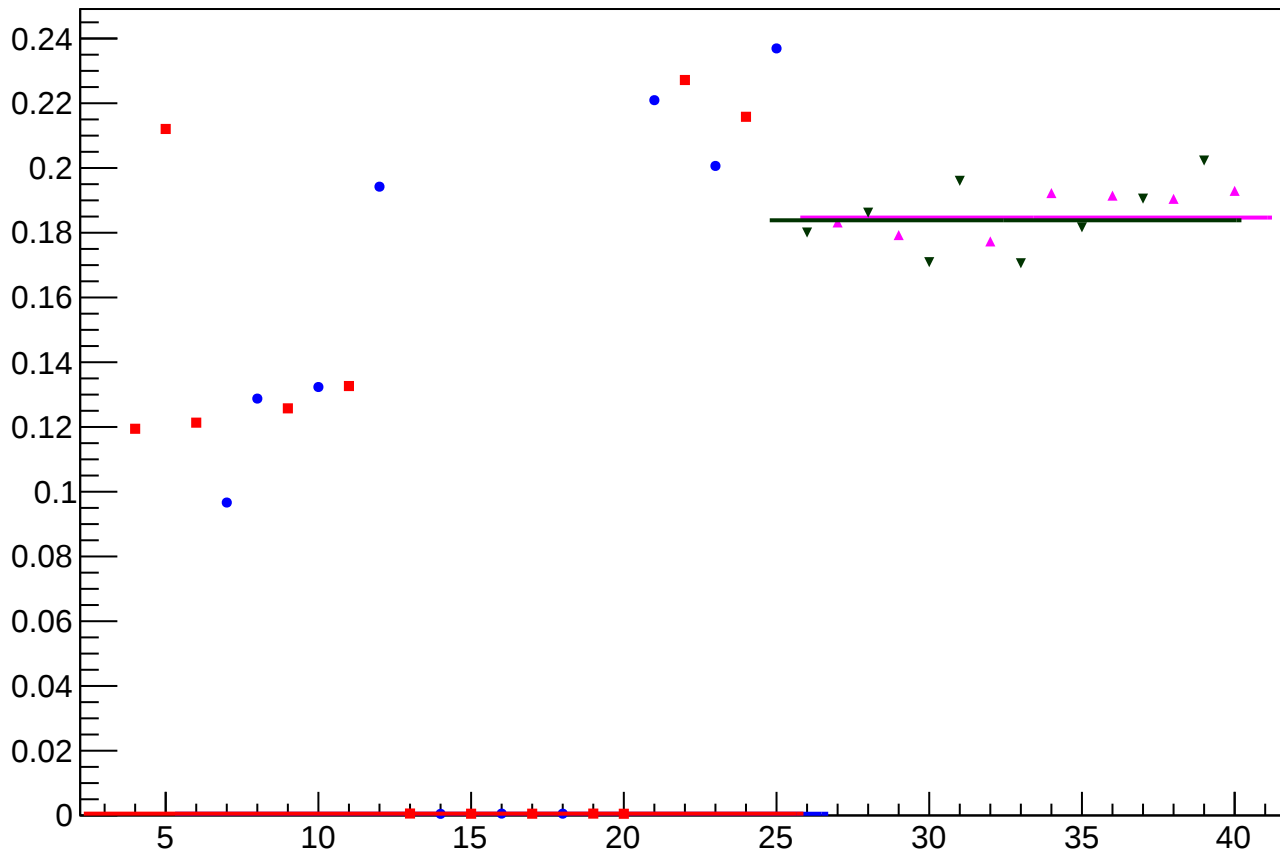
1.291+/-0.000 χ^2/NDF : 1067286294120.8/17

Right Out: 1.289+/-0.000 χ^2/NDF : 437398241389.8/11

1.291+/-0.000 χ^2/NDF : 1036660604044.6/18

Left In: 69.250+/-0.000 χ^2/NDF :303269716.3/6

yield_bcm_an_ds3_rms vs slug



Right In: 0.001+/-0.000 χ^2/NDF : 7762890.0/9

Left Out: 0.184+/-0.000 χ^2/NDF :26742.4/7

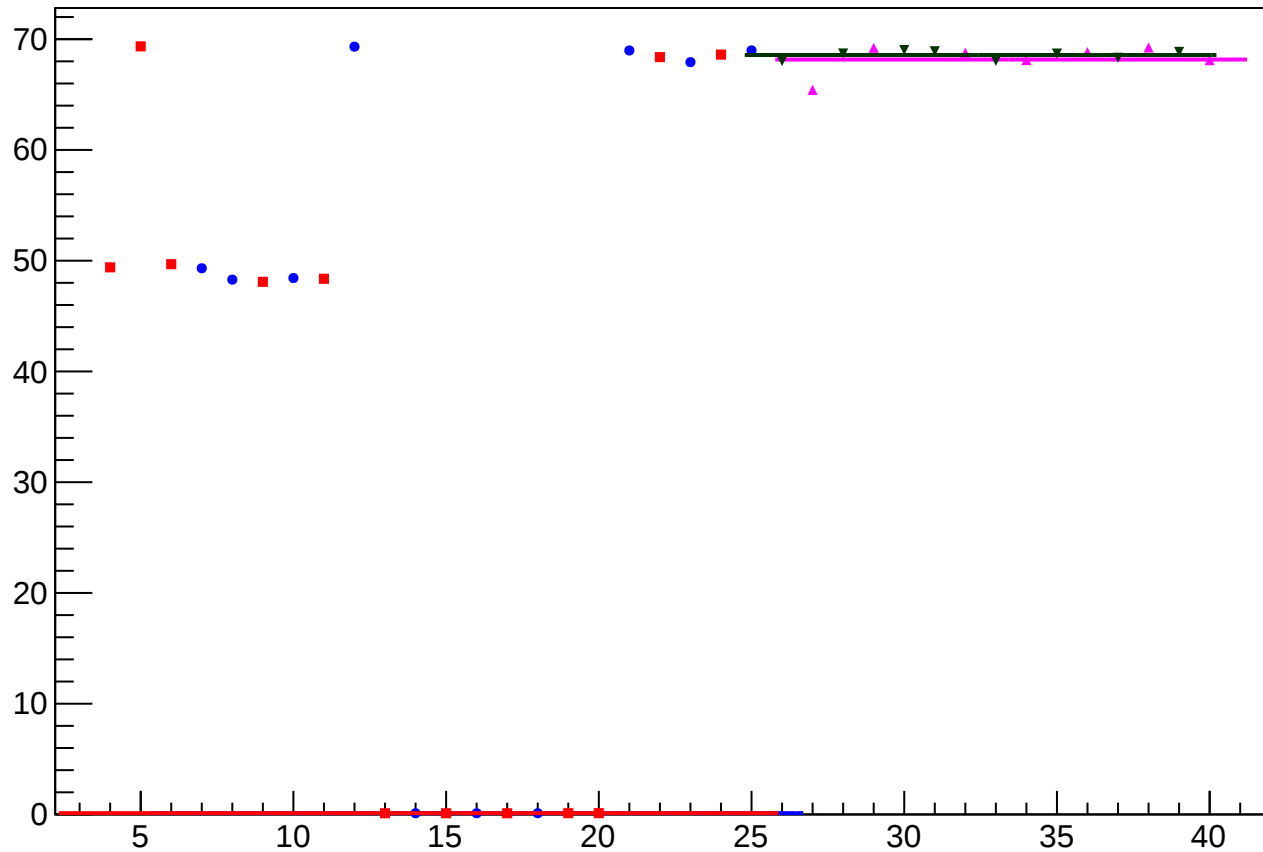
Right Out: 0.001+/-0.000 χ^2/NDF : 6741519.4/11

Left In: 0.185+/-0.000 χ^2/NDF :9929.6/6

0.001+/-0.000 χ^2/NDF : 16035329.1/17

0.001+/-0.000 χ^2/NDF : 15544429.9/18

yield_bcm_an_us_mean vs slug



Right In: 0.119+/-0.000 χ^2/NDF : 516062815172.8/9

Left Out: 68.573+/-0.000 χ^2/NDF :17081510.3/7

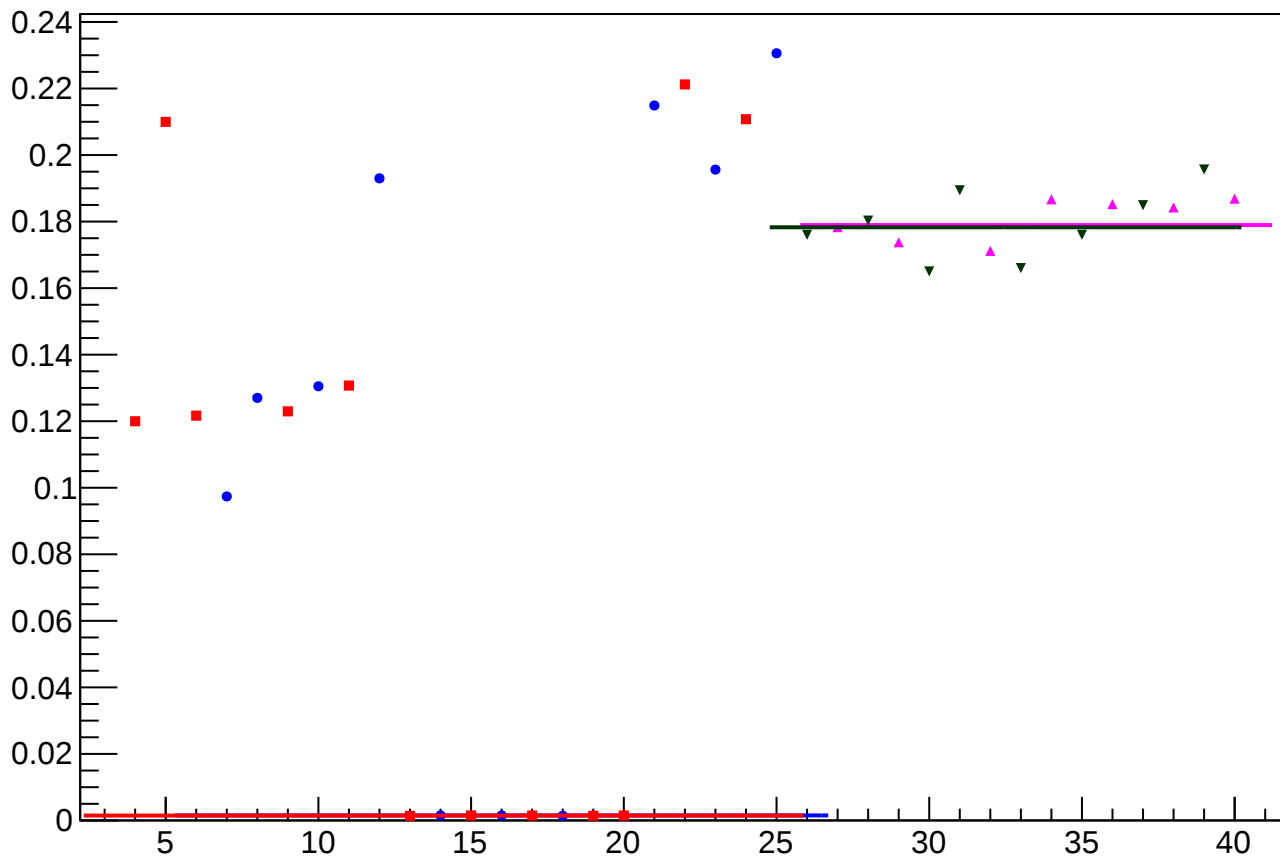
0.127+/-0.000 χ^2/NDF : 1126104876731.1/17

Right Out: 0.117+/-0.000 χ^2/NDF : 459272313715.4/11

0.124+/-0.000 χ^2/NDF : 1098879554327.9/18

Left In: 68.162+/-0.000 χ^2/NDF :257551083.3/6

yield_bcm_an_us_rms vs slug



Right In: 0.002+/-0.000 χ^2/NDF : 7641271.5/9

Left Out: 0.178+/-0.000 χ^2/NDF :25852.5/7

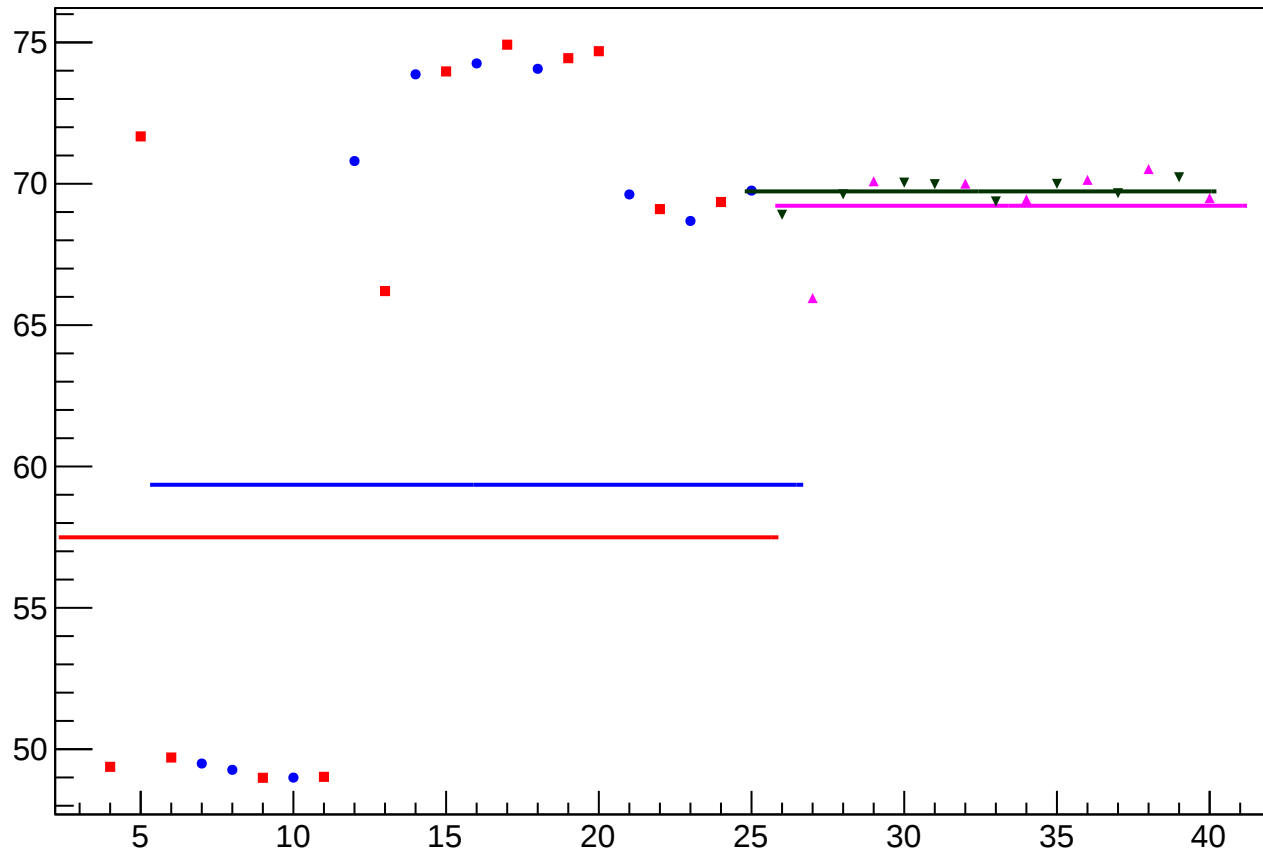
Right Out: 0.001+/-0.000 χ^2/NDF : 6649150.6/11

Left In: 0.179+/-0.000 χ^2/NDF :10323.5/6

0.002+/-0.000 χ^2/NDF : 15803544.6/17

0.001+/-0.000 χ^2/NDF : 15359247.1/18

yield_bcm_dg_us_mean vs slug



Right In: 59.353+/-0.000 χ^2/NDF : 27193338504.5/9

Left Out: 69.730+/-0.000 χ^2/NDF : 18289679.7/7

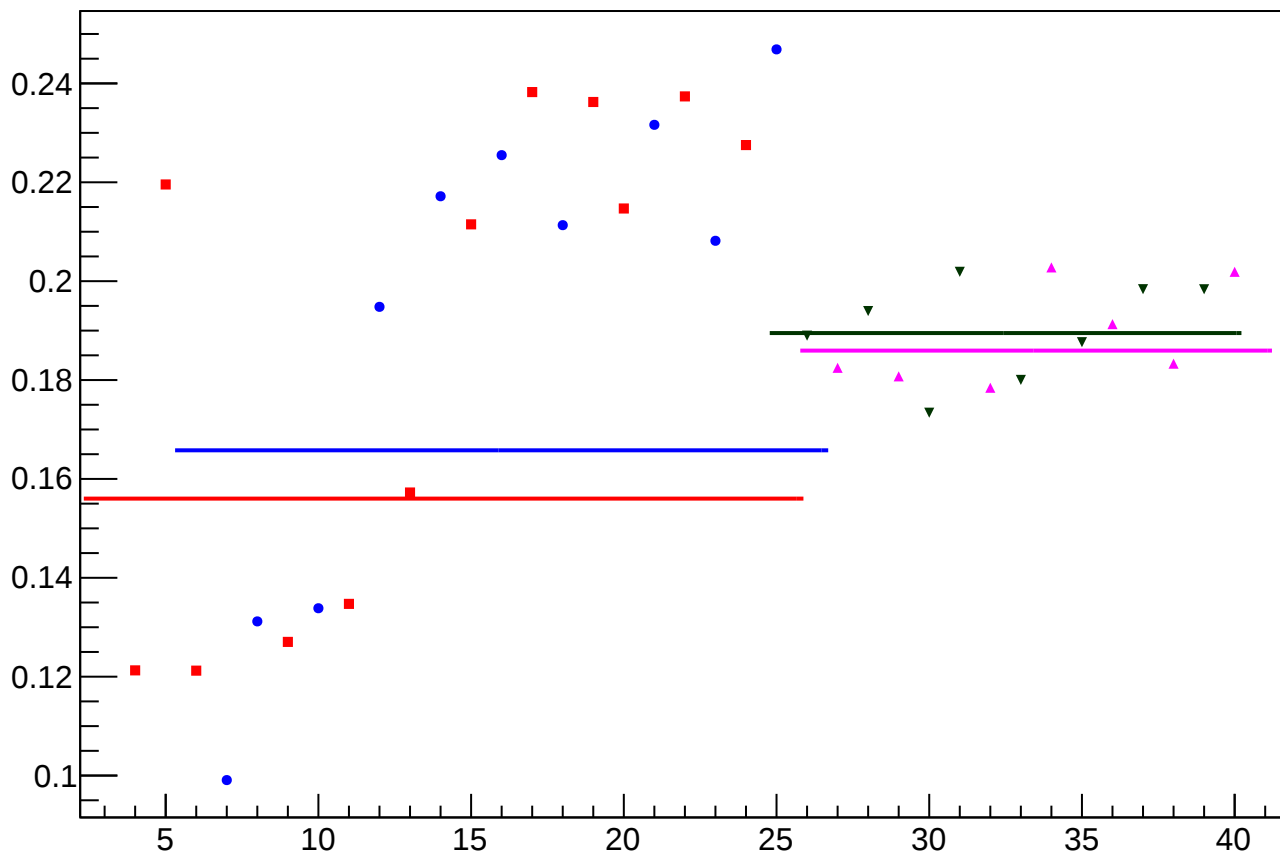
63.055+/-0.000 χ^2/NDF : 35222410511.9/17

Right Out: 57.494+/-0.000 χ^2/NDF : 25320800059.8/11

61.704+/-0.000 χ^2/NDF : 36893270802.2/18

Left In: 69.223+/-0.000 χ^2/NDF : 332496224.4/6

yield_bcm_dg_us_rms vs slug



Right In: 0.166+/-0.000 χ^2/NDF : 913187.1/9

Left Out: 0.190+/-0.000 χ^2/NDF :19587.2/7

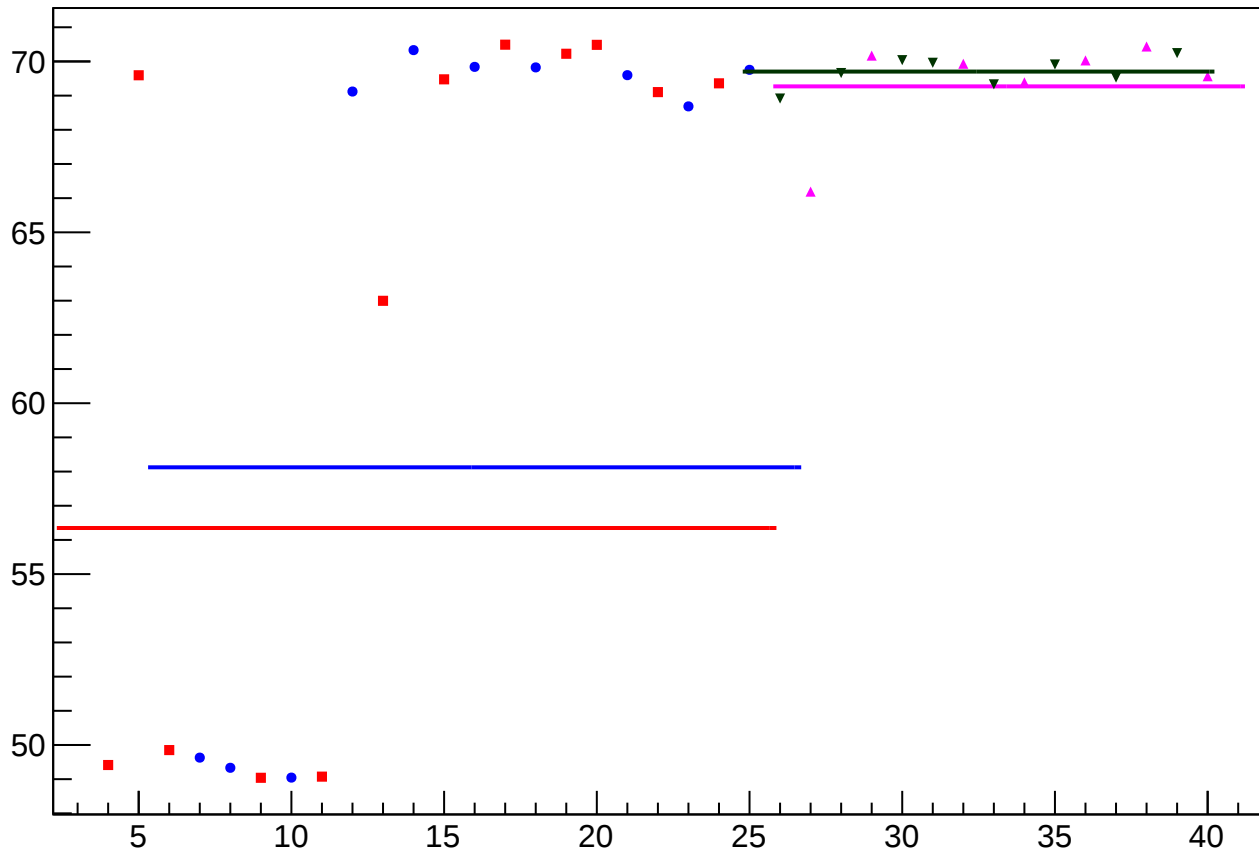
Right Out: 0.156+/-0.000 χ^2/NDF : 828596.5/11

Left In: 0.186+/-0.000 χ^2/NDF :18620.7/6

0.174+/-0.000 χ^2/NDF : 1016462.8/17

0.167+/-0.000 χ^2/NDF : 993680.8/18

yield_bcm_dg_ds_mean vs slug



Right In: 58.124+/-0.000 χ^2/NDF : 22280726970.9/9

Left Out: 69.703+/-0.000 χ^2/NDF :19301642.0/7

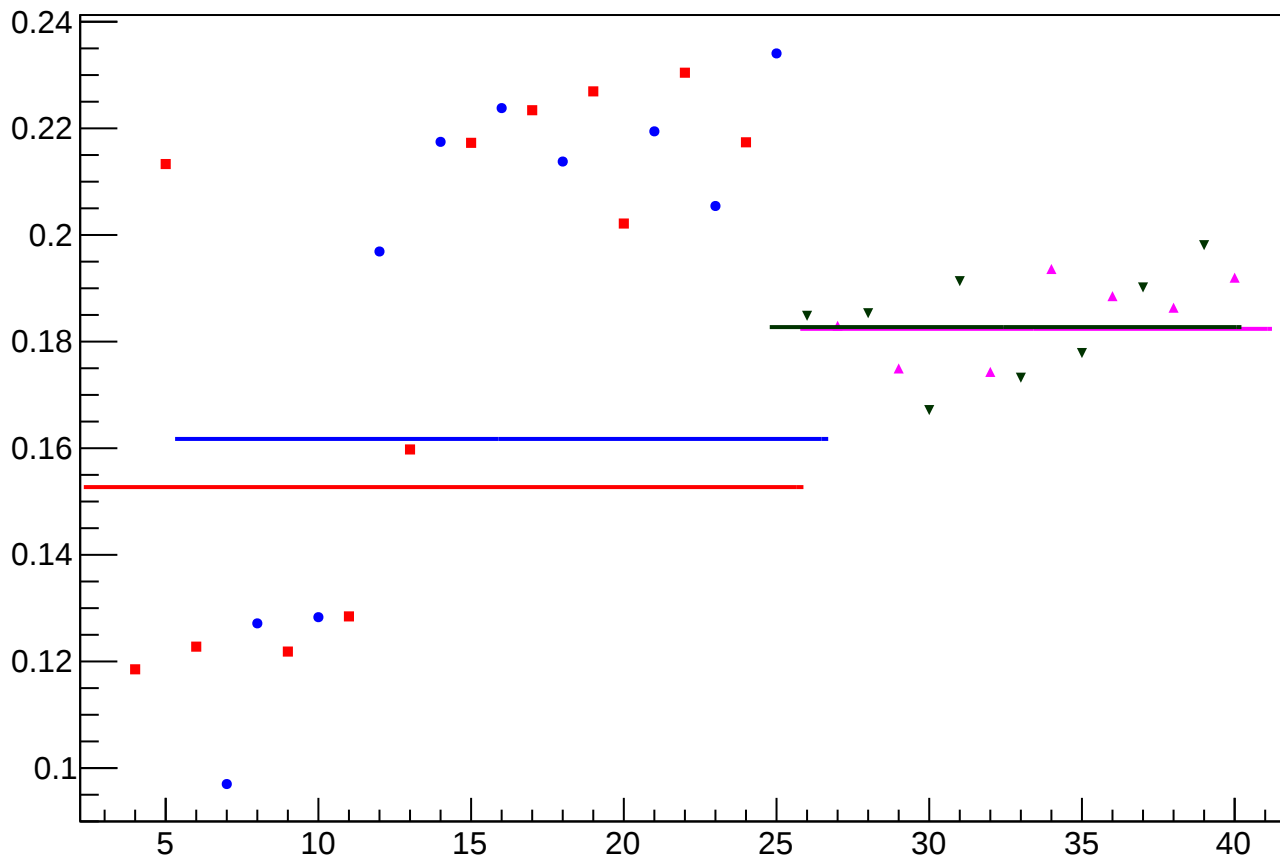
62.328+/-0.000 χ^2/NDF : 32928473824.5/17

Right Out: 56.349+/-0.000 χ^2/NDF : 19763904601.6/11

60.981+/-0.000 χ^2/NDF : 34286072058.0/18

Left In: 69.270+/-0.000 χ^2/NDF :293160201.6/6

yield_bcm_dg_ds_rms vs slug



Right In: 0.162+/-0.000 χ^2/NDF : 972291.9/9

Left Out: 0.183+/-0.000 χ^2/NDF : 23350.0/7

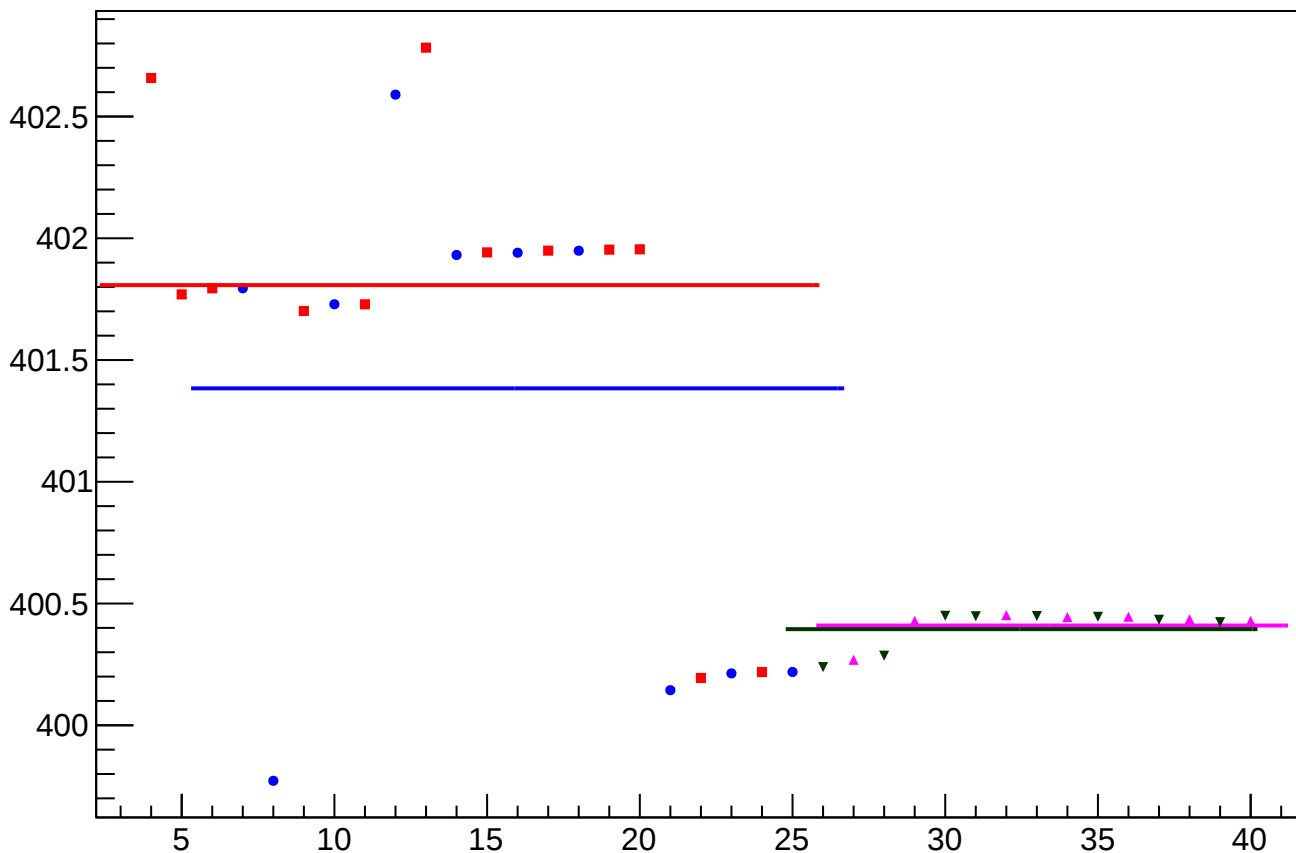
Right Out: 0.153+/-0.000 χ^2/NDF : 810658.6/11

Left In: 0.182+/-0.000 χ^2/NDF : 13761.9/6

0.169+/-0.000 χ^2/NDF : 1065431.7/17

0.163+/-0.000 χ^2/NDF : 974586.7/18

yield_cav4bQ_mean vs slug



Right In: 401.384+/-0.000 χ^2/NDF : 122440333667.5/9

Left Out: 400.395+/-0.000 χ^2/NDF : 561521913.8/7

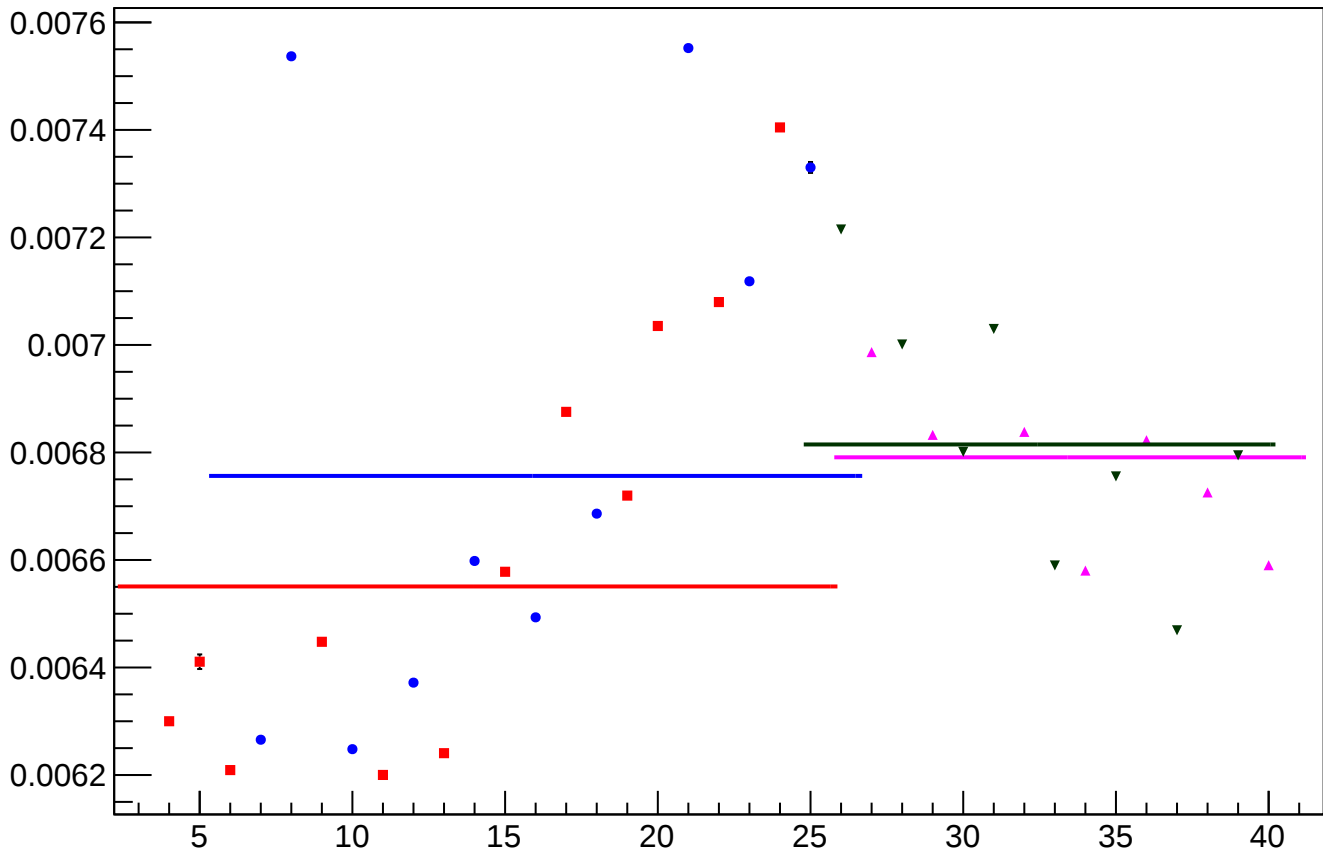
400.989+/-0.000 χ^2/NDF : 177890108579.0/17

Right Out: 401.808+/-0.000 χ^2/NDF : 85007940378.6/11

401.246+/-0.000 χ^2/NDF : 202059980033.0/18

Left In: 400.410+/-0.000 χ^2/NDF : 428756766.7/6

yield_cav4bQ_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 62983.1/9

Left Out: 0.007+/-0.000 χ^2/NDF : 9135.0/7

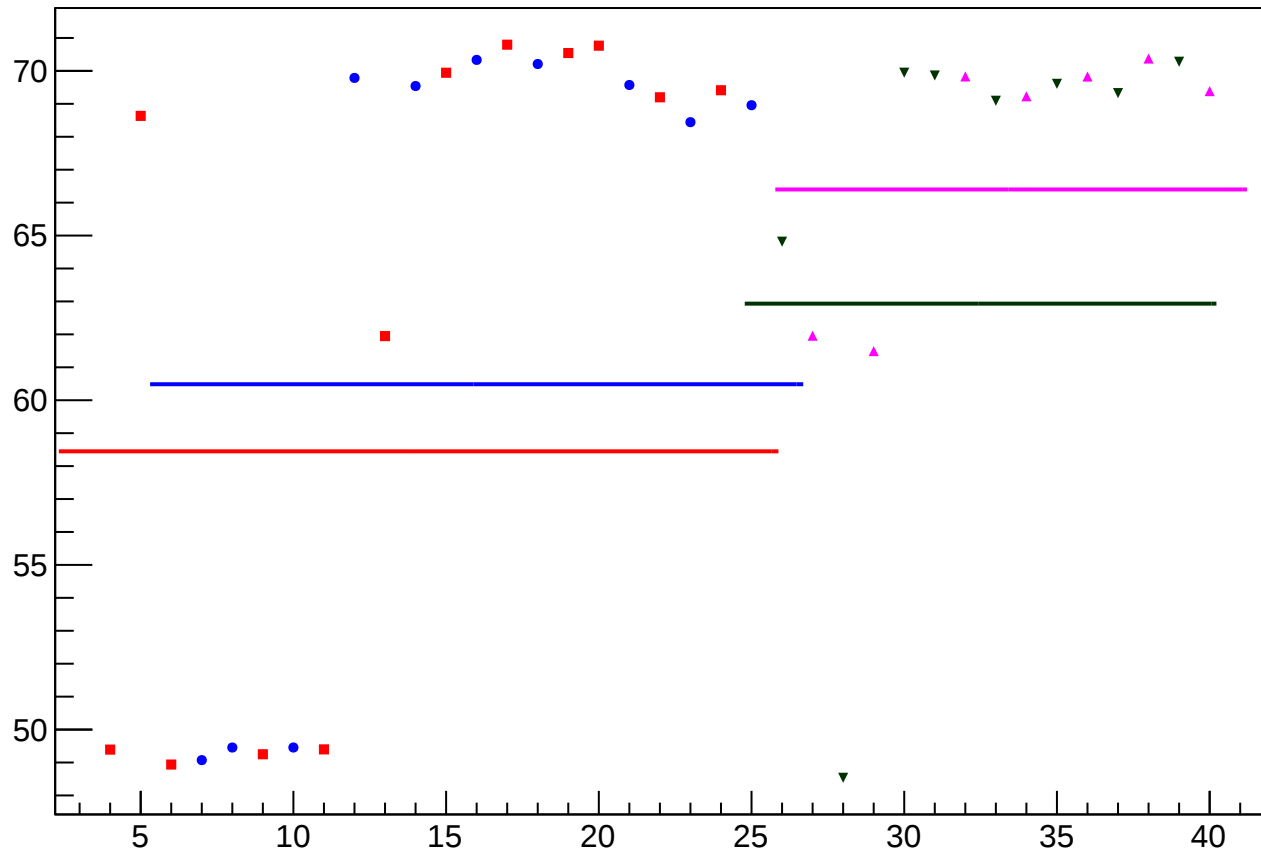
Right Out: 0.007+/-0.000 χ^2/NDF : 42109.3/11

Left In: 0.007+/-0.000 χ^2/NDF : 3542.9/6

0.007+/-0.000 χ^2/NDF : 72502.4/17

0.007+/-0.000 χ^2/NDF : 52539.6/18

yield_cav4cQ_mean vs slug



Right In: 60.486+/-0.000 χ^2/NDF : 13941426151.6/9

Left Out: 62.933+/-0.000 χ^2/NDF : 7818880429.0/7

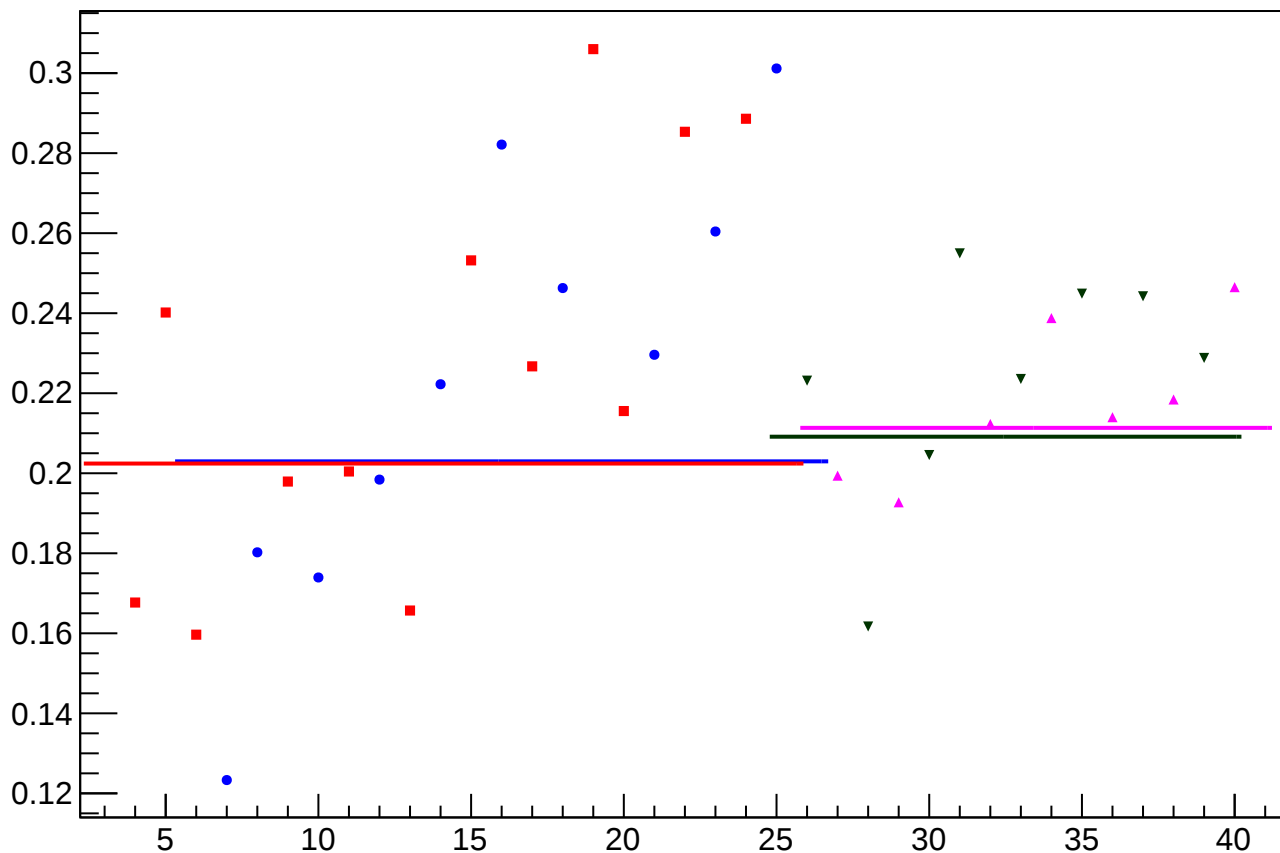
61.440+/-0.000 χ^2/NDF : 22079403147.1/17

Right Out: 58.449+/-0.000 χ^2/NDF : 11367122273.9/11

61.738+/-0.000 χ^2/NDF : 16203618660.5/18

Left In: 66.400+/-0.000 χ^2/NDF : 1452195190.7/6

yield_cav4cQ_rms vs slug



Right In: 0.203+/-0.000 χ^2/NDF : 509389.5/9

Left Out: 0.209+/-0.000 χ^2/NDF : 195038.0/7

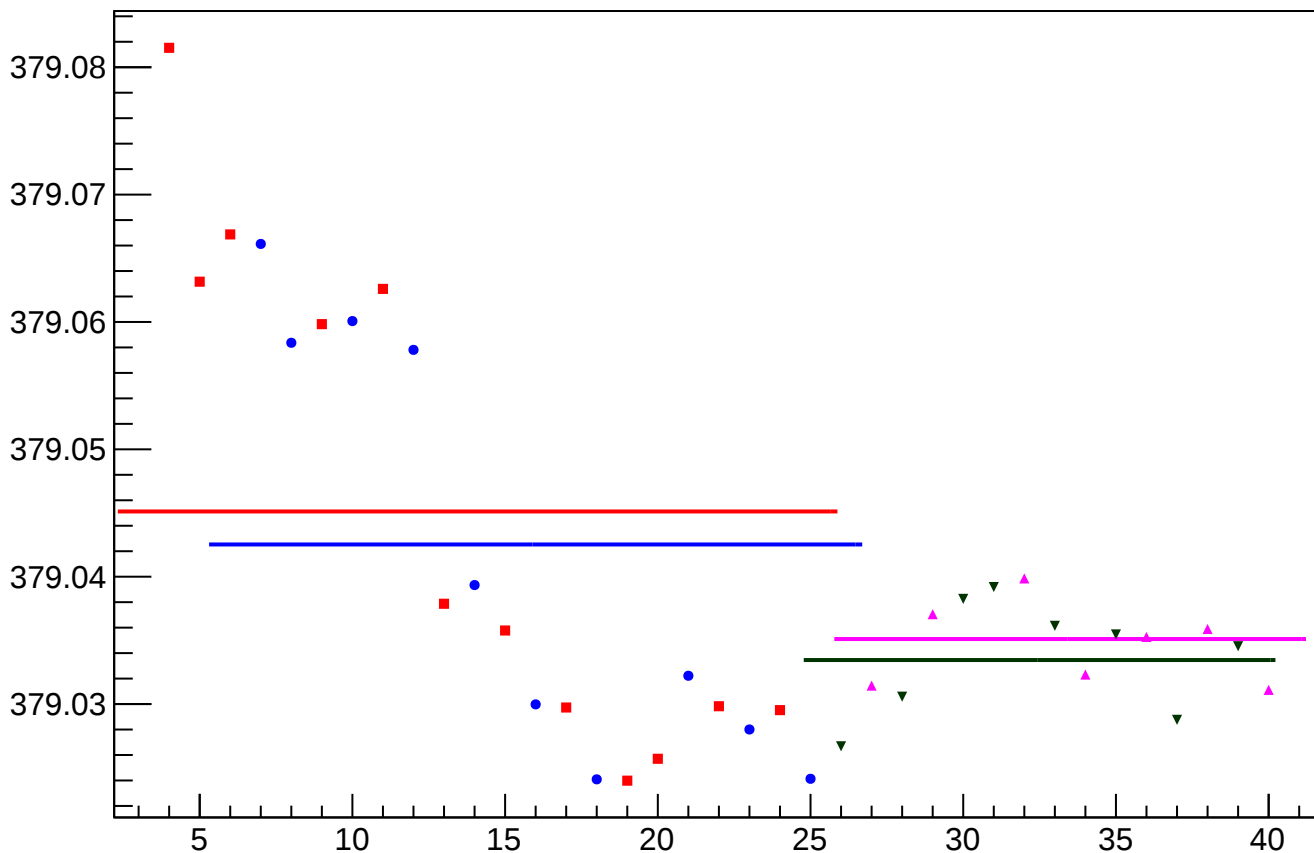
Right Out: 0.202+/-0.000 χ^2/NDF : 477643.7/11

Left In: 0.211+/-0.000 χ^2/NDF : 49835.2/6

0.205+/-0.000 χ^2/NDF : 708473.9/17

0.206+/-0.000 χ^2/NDF : 536002.1/18

yield_cav4dQ_mean vs slug



Right In: 379.043+/-0.000 χ^2/NDF : 28431706.3/9

Left Out: 379.033+/-0.000 χ^2/NDF :1507551.1/7

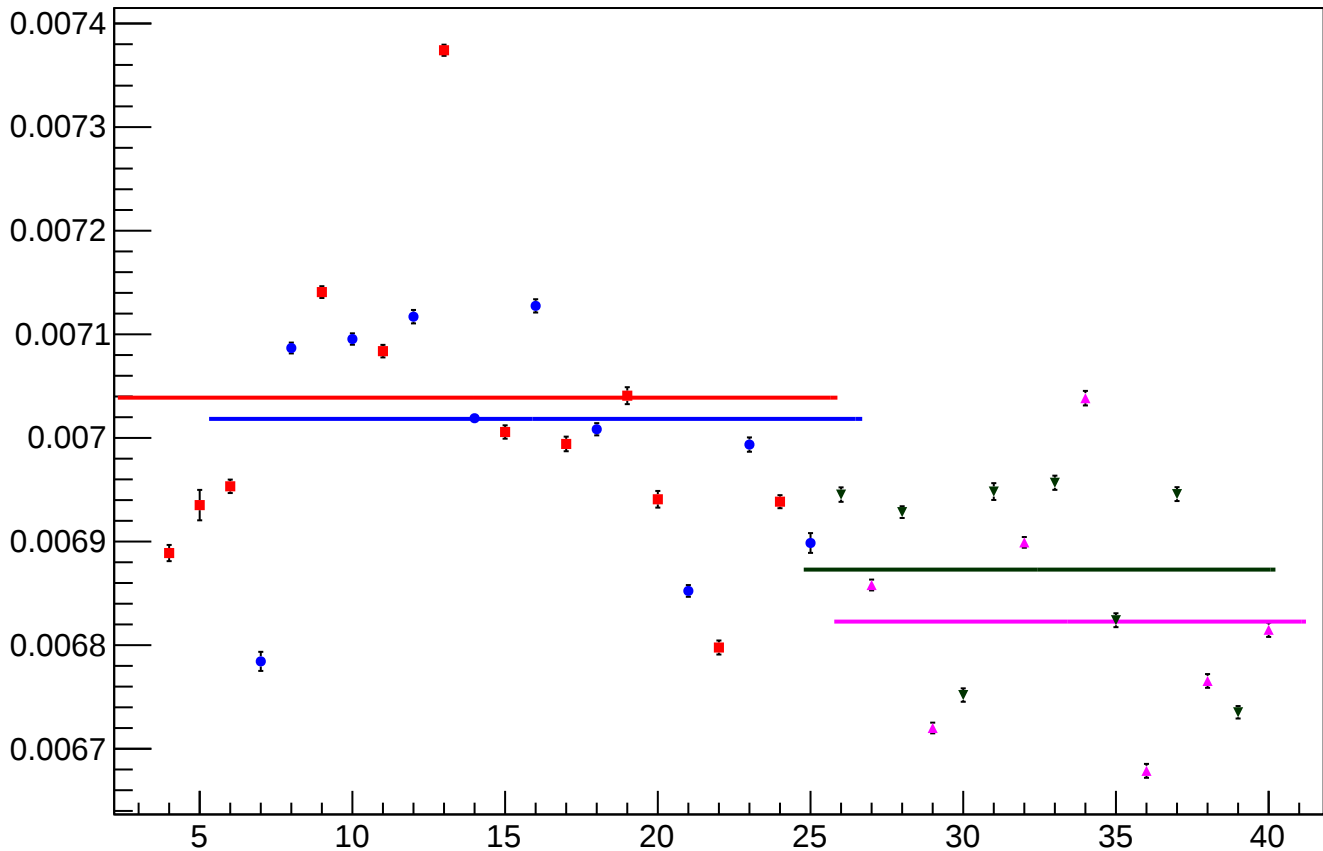
Right Out: 379.045+/-0.000 χ^2/NDF : 40922945.0/11

Left In: 379.035+/-0.000 χ^2/NDF :994731.8/6

379.039+/-0.000 χ^2/NDF : 34401286.6/17

379.041+/-0.000 χ^2/NDF : 47543409.8/18

yield_cav4dQ_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 2564.7/9

Left Out: 0.007+/-0.000 χ^2/NDF :1483.0/7

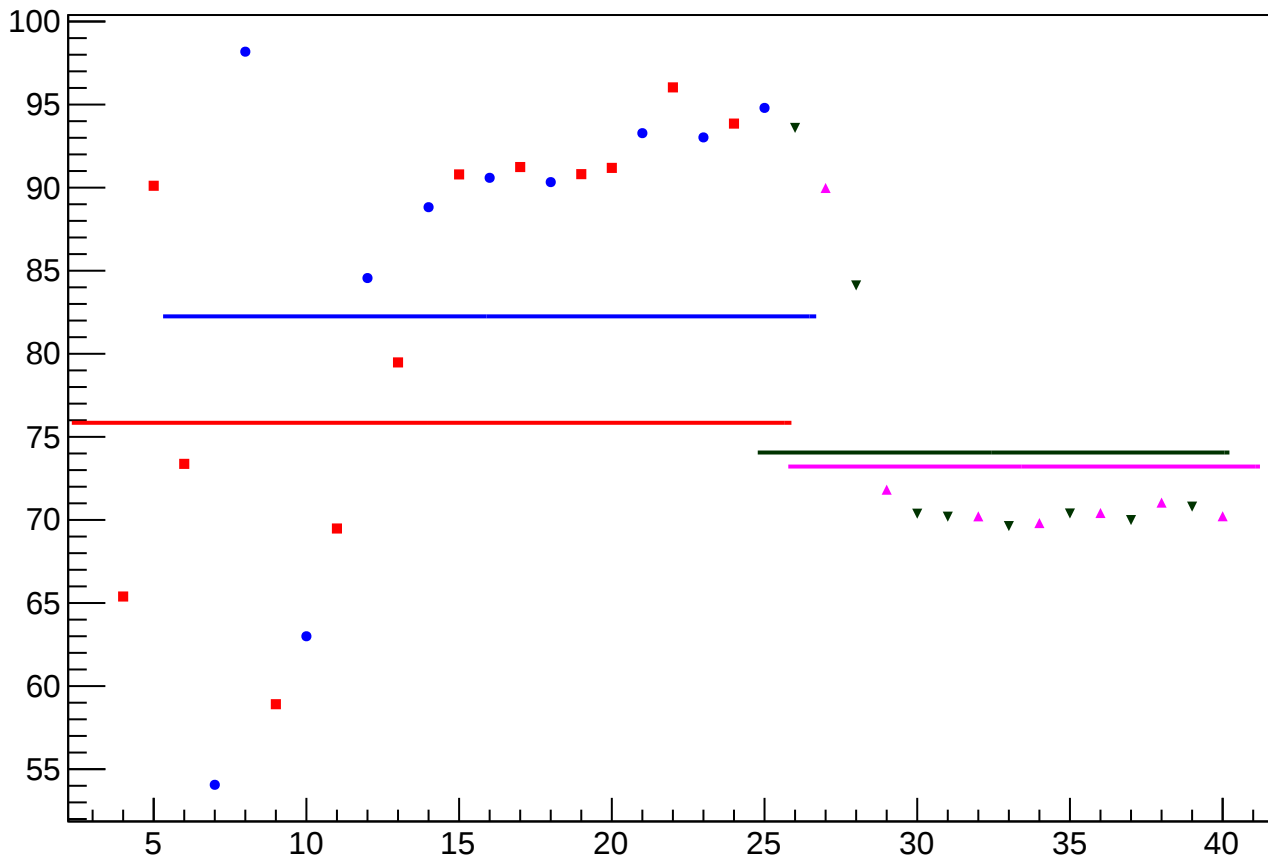
Right Out: 0.007+/-0.000 χ^2/NDF : 6581.5/11

Left In: 0.007+/-0.000 χ^2/NDF :2140.6/6

0.007+/-0.000 χ^2/NDF : 6340.8/17

0.007+/-0.000 χ^2/NDF : 13962.0/18

yield_bcm0l02_mean vs slug



Right In: 82.252+/-0.000 χ^2/NDF : 15262784556.8/9

Left Out: 74.058+/-0.000 χ^2/NDF : 3532635982.1/7

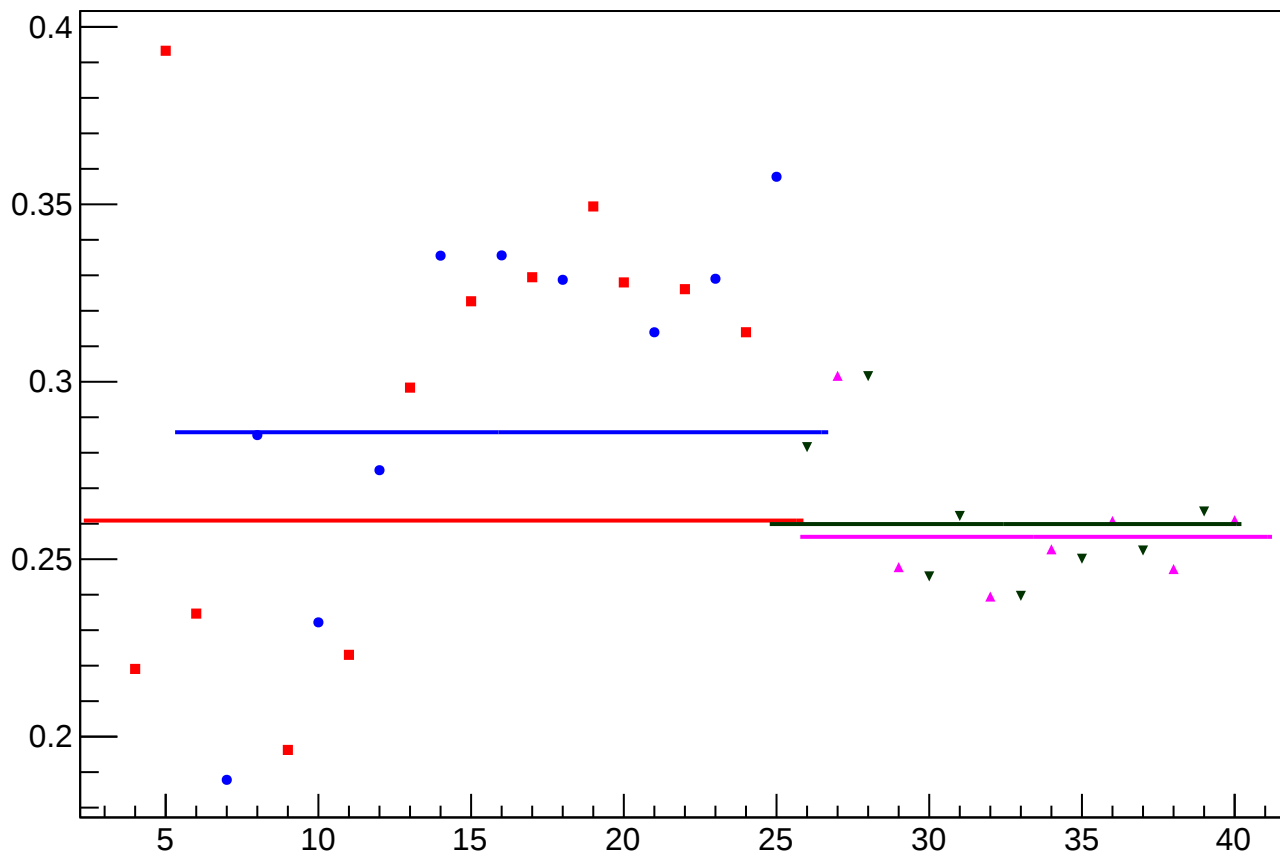
Right Out: 75.847+/-0.000 χ^2/NDF : 13482783083.5/11

Left In: 73.214+/-0.000 χ^2/NDF : 2803017337.3/6

78.500+/-0.000 χ^2/NDF : 20915010412.2/17

74.658+/-0.000 χ^2/NDF : 16533015408.2/18

yield_bcm0l02_rms vs slug



Right In: 0.286+/-0.000 χ^2/NDF : 344343.4/9

Left Out: 0.260+/-0.000 χ^2/NDF : 40315.3/7

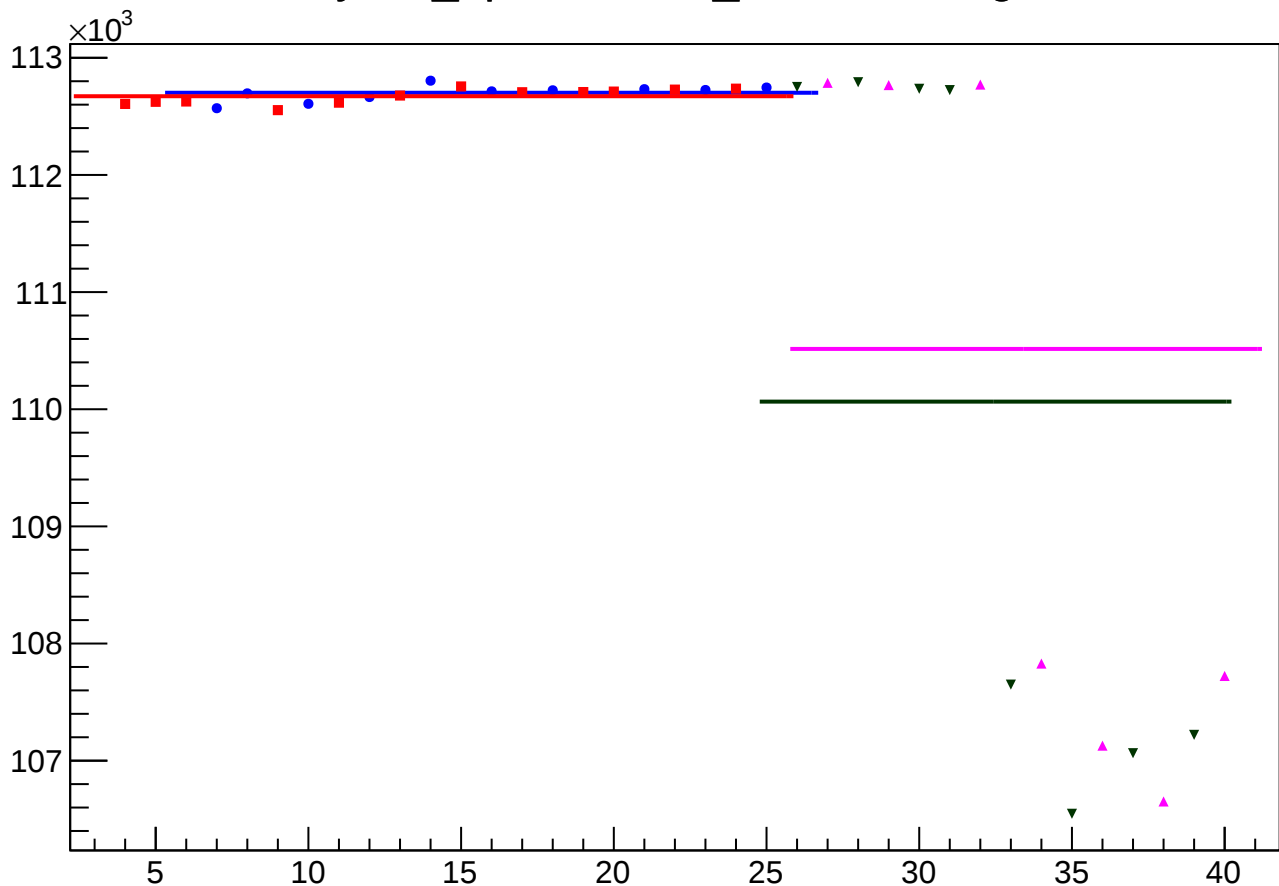
Right Out: 0.261+/-0.000 χ^2/NDF : 481520.7/11

Left In: 0.256+/-0.000 χ^2/NDF : 47419.9/6

0.274+/-0.000 χ^2/NDF : 426924.8/17

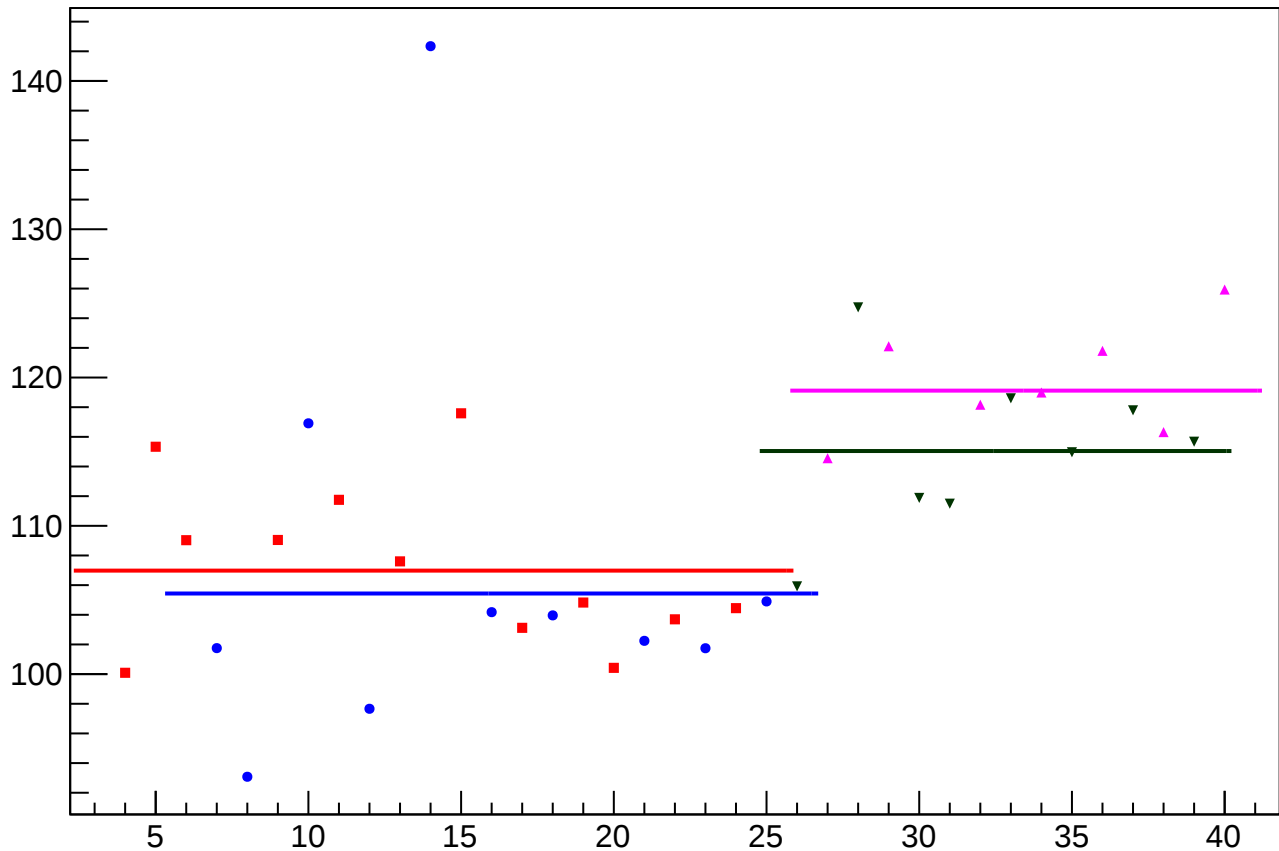
0.259+/-0.000 χ^2/NDF : 530440.1/18

yield_bpm2i01WS_mean vs slug



Right In: 112701.637 $\pm$ 0.042	χ^2 /NDF: 1698384.2/9	111779.770 $\pm$ 0.034	χ^2 /NDF: 3737560602.8/17
Left Out: 110065.074 $\pm$ 0.058	χ^2 /NDF: 2388239406.0/7		
Right Out: 112671.936 $\pm$ 0.043	χ^2 /NDF: 2021453.7/11	111895.903 $\pm$ 0.035	χ^2 /NDF: 3081826862.7/18
Left In: 110514.875 $\pm$ 0.058	χ^2 /NDF: 2192360982.6/6		

yield_bpm2i01WS_rms vs slug



Right In: 105.436 $\pm$ 0.030 χ^2 /NDF: 188338.4/9

Left Out: 115.044 $\pm$ 0.041 χ^2 /NDF: 17859.3/7

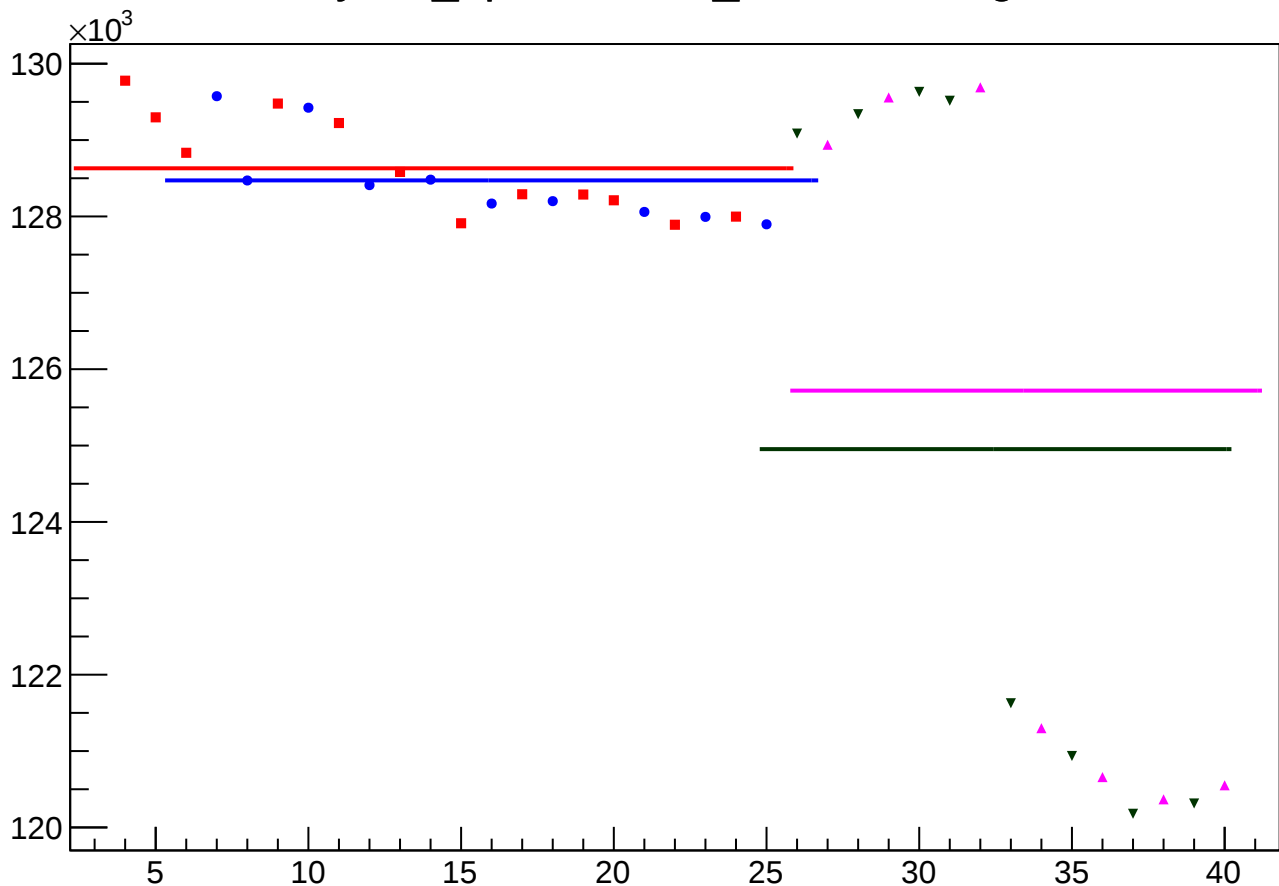
Right Out: 106.980 $\pm$ 0.031 χ^2 /NDF: 22698.2/11

Left In: 119.117 $\pm$ 0.041 χ^2 /NDF: 6997.3/6

108.795 $\pm$ 0.024 χ^2 /NDF: 241990.9/17

111.346 $\pm$ 0.025 χ^2 /NDF: 85891.6/18

yield_bpm0i07WS_mean vs slug



Right In: 128471.922 $\pm$ 0.071 χ^2 /NDF: 39310525.0/9

Left Out: 124953.388 $\pm$ 0.100 χ^2 /NDF: 1901228199.6/7

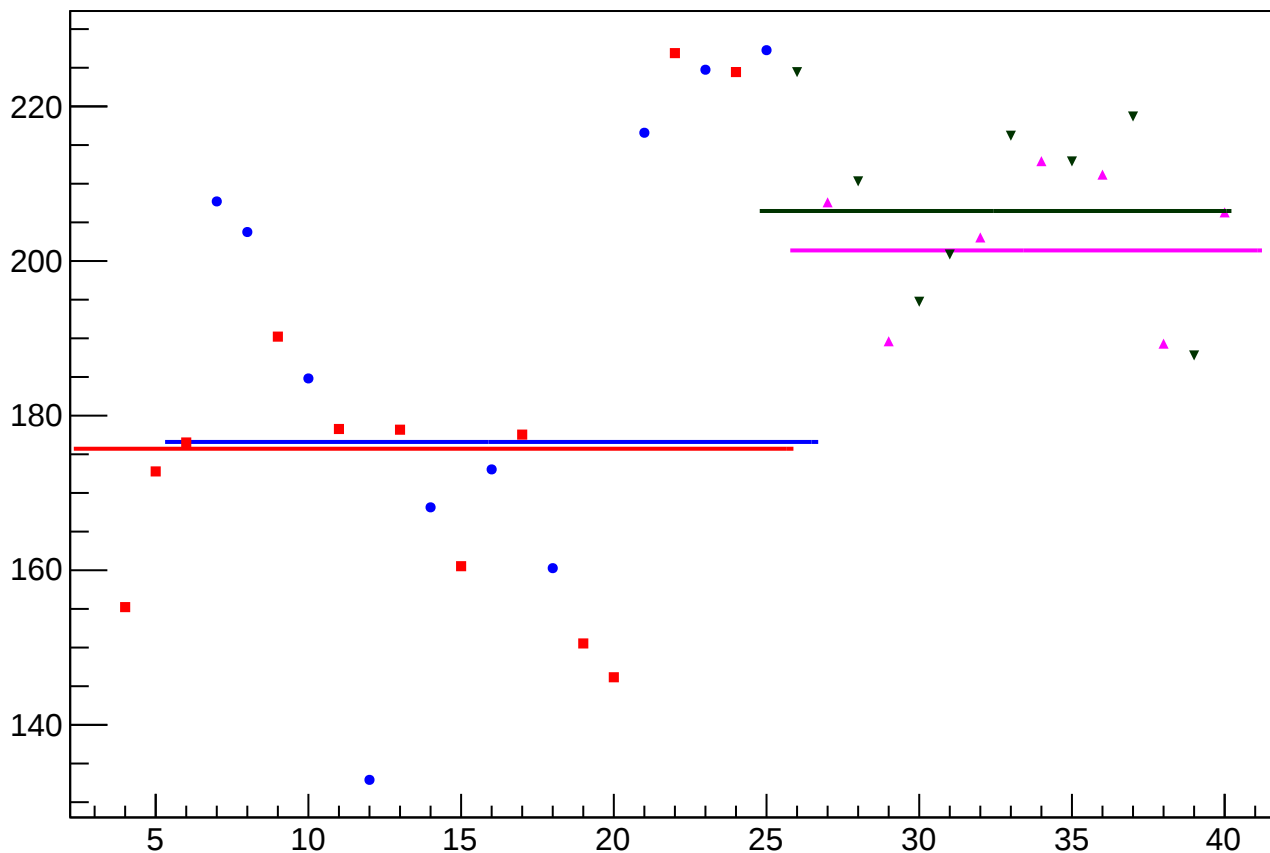
Right Out: 128630.323 $\pm$ 0.071 χ^2 /NDF: 69976766.8/11

Left In: 125719.439 $\pm$ 0.094 χ^2 /NDF: 2104086310.7/6

127300.554 $\pm$ 0.058 χ^2 /NDF: 2761345883.2/17

127574.847 $\pm$ 0.057 χ^2 /NDF: 2782355556.1/18

yield_bpm0i07WS_rms vs slug



Right In: 176.597 ± 0.050 χ^2/NDF : 316543.8/9

Left Out: 206.471 ± 0.071 χ^2/NDF : 29819.3/7

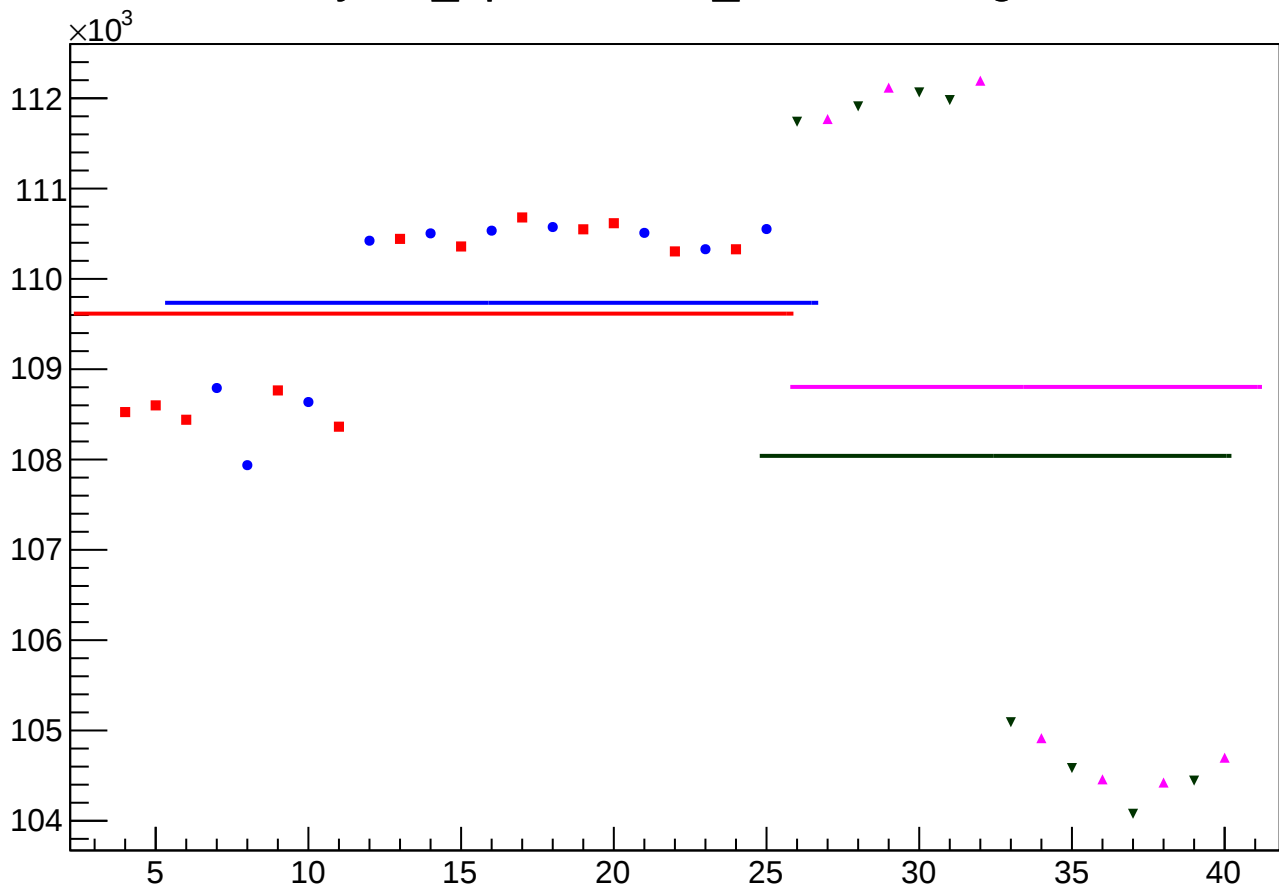
186.543 ± 0.041 χ^2/NDF : 464706.1/17

Right Out: 175.718 ± 0.050 χ^2/NDF : 188443.6/11

185.020 ± 0.040 χ^2/NDF : 300848.2/18

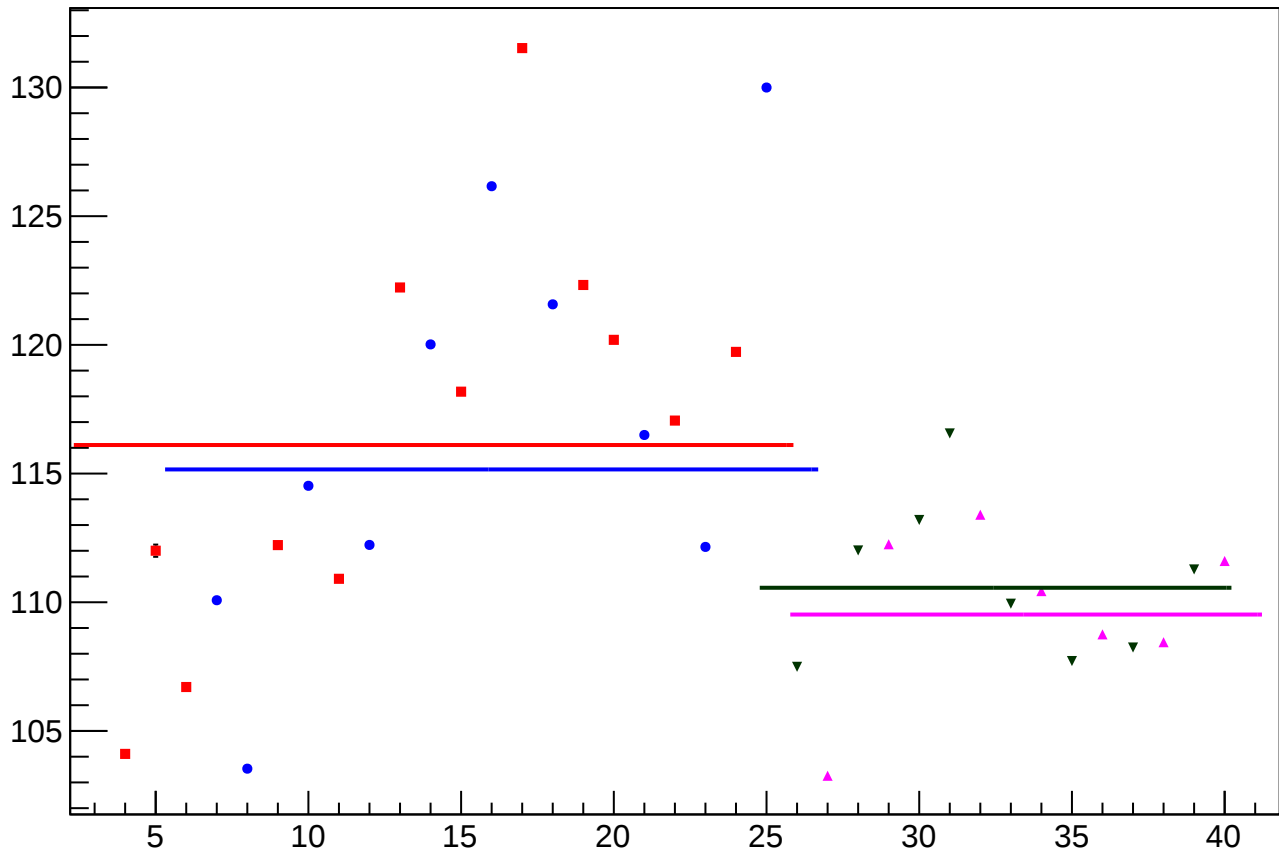
Left In: 201.370 ± 0.067 χ^2/NDF : 17925.0/6

yield_bpm0l01WS_mean vs slug



Right In: 109735.295 $\pm$ 0.046	χ^2 /NDF: 537097563.8/9		
Left Out: 108040.439 $\pm$ 0.054	χ^2 /NDF: 4724562505.4/7	109025.058 $\pm$ 0.035	χ^2 /NDF: 5837966811.2/17
Right Out: 109615.412 $\pm$ 0.047	χ^2 /NDF: 419274077.4/11		
Left In: 108803.912 $\pm$ 0.051	χ^2 /NDF: 5131559990.3/6	109246.909 $\pm$ 0.035	χ^2 /NDF: 5687717172.0/18

yield_bpm0l01WS_rms vs slug



Right In: 115.160 ± 0.032 $\chi^2/\text{NDF}: 48108.4/9$

Left Out: 110.563 ± 0.038 $\chi^2/\text{NDF}: 4834.2/7$

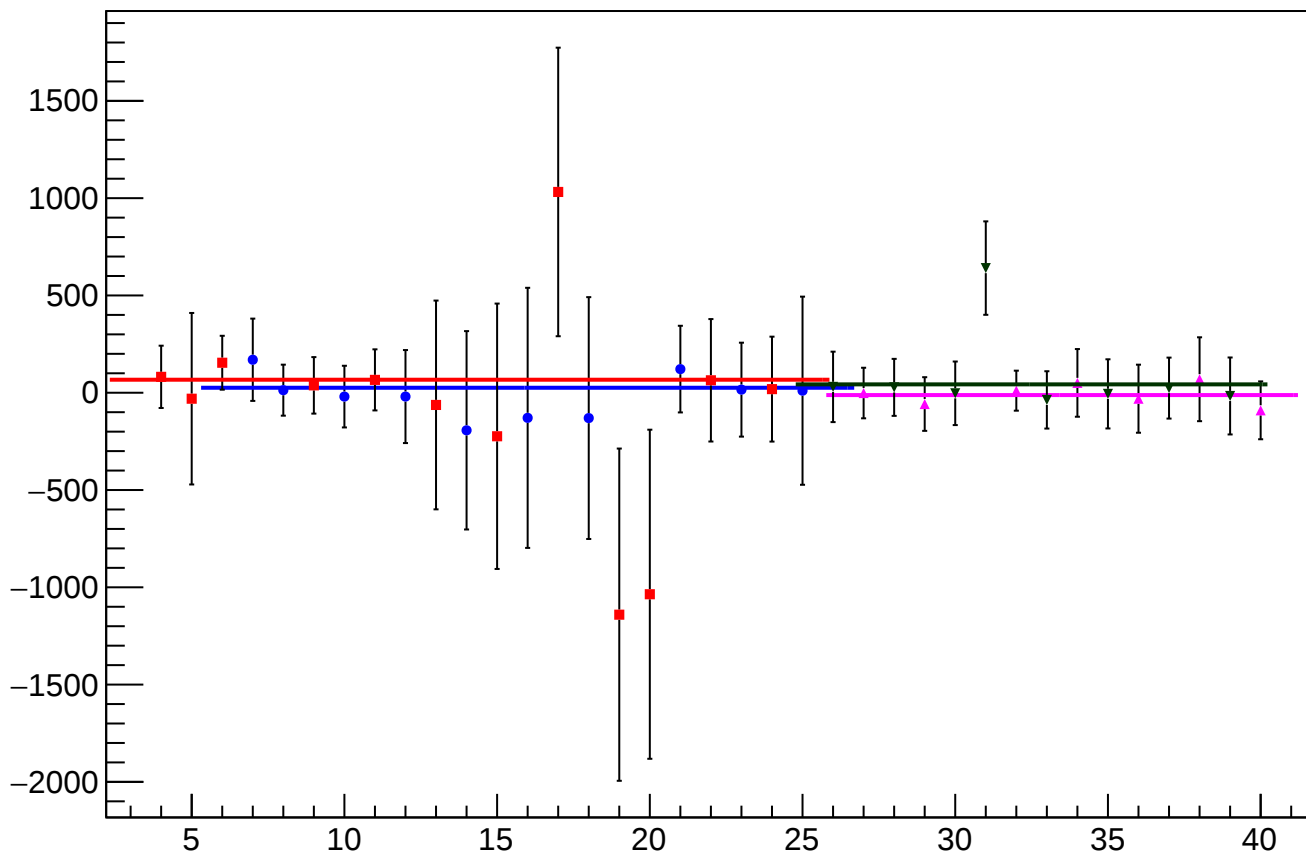
113.234 ± 0.025 $\chi^2/\text{NDF}: 61423.0/17$

Right Out: 116.109 ± 0.033 $\chi^2/\text{NDF}: 44081.8/11$

113.118 ± 0.024 $\chi^2/\text{NDF}: 71936.5/18$

Left In: 109.523 ± 0.036 $\chi^2/\text{NDF}: 9821.3/6$

asym_bcm_an_ds_mean vs slug



Right In: 25.622+/-72.900 χ^2/NDF : 1.1/9

Left Out: 43.011+/-60.195 χ^2/NDF : 6.8/7

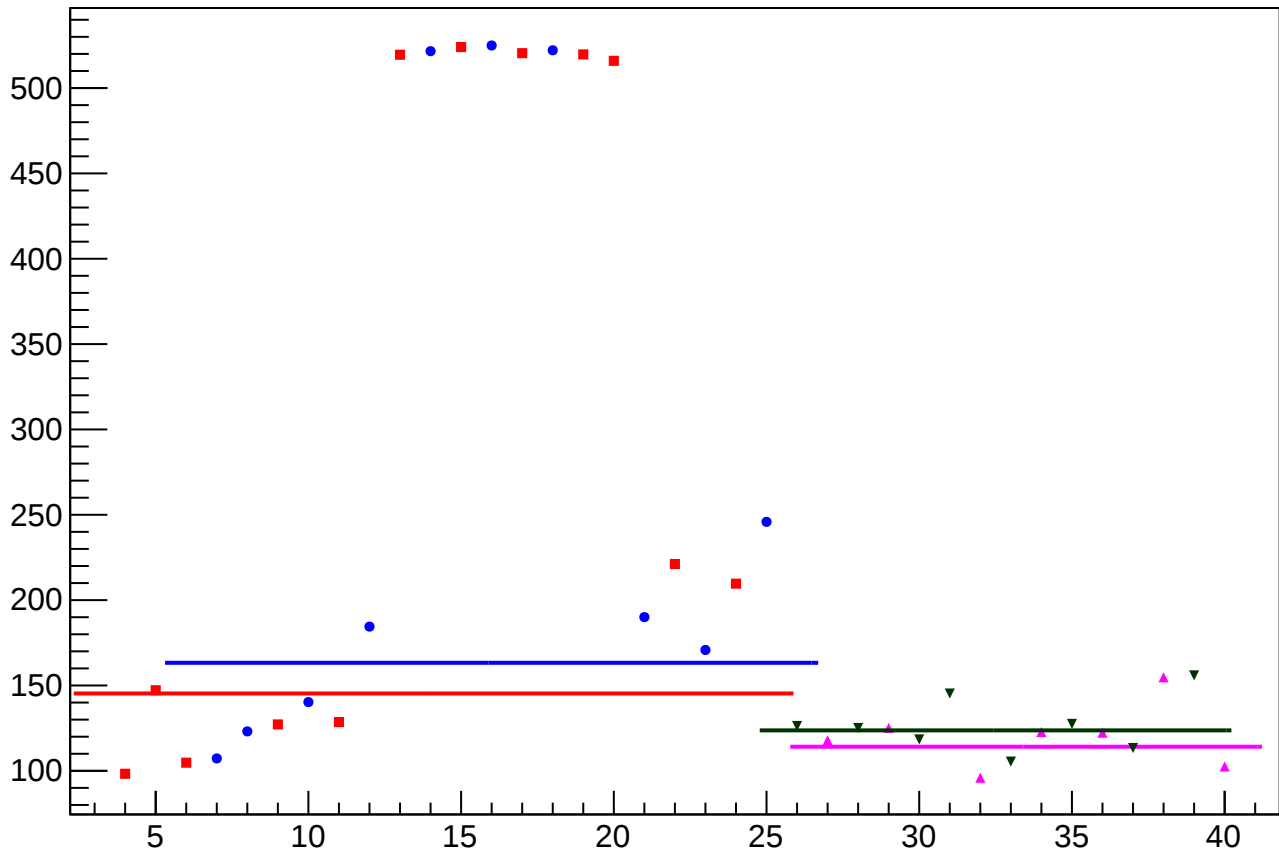
Right Out: 66.920+/-67.669 χ^2/NDF : 6.2/11

Left In: -12.000+/-54.319 χ^2/NDF : 0.7/6

35.961+/-46.416 χ^2/NDF : 7.9/17

18.926+/-42.360 χ^2/NDF : 7.7/18

asym_bcm_an_ds_rms vs slug



Right In: 163.298+/-0.052 χ^2/NDF : 2716025.4/9

Left Out: 123.700+/-0.043 χ^2/NDF : 112379.1/7

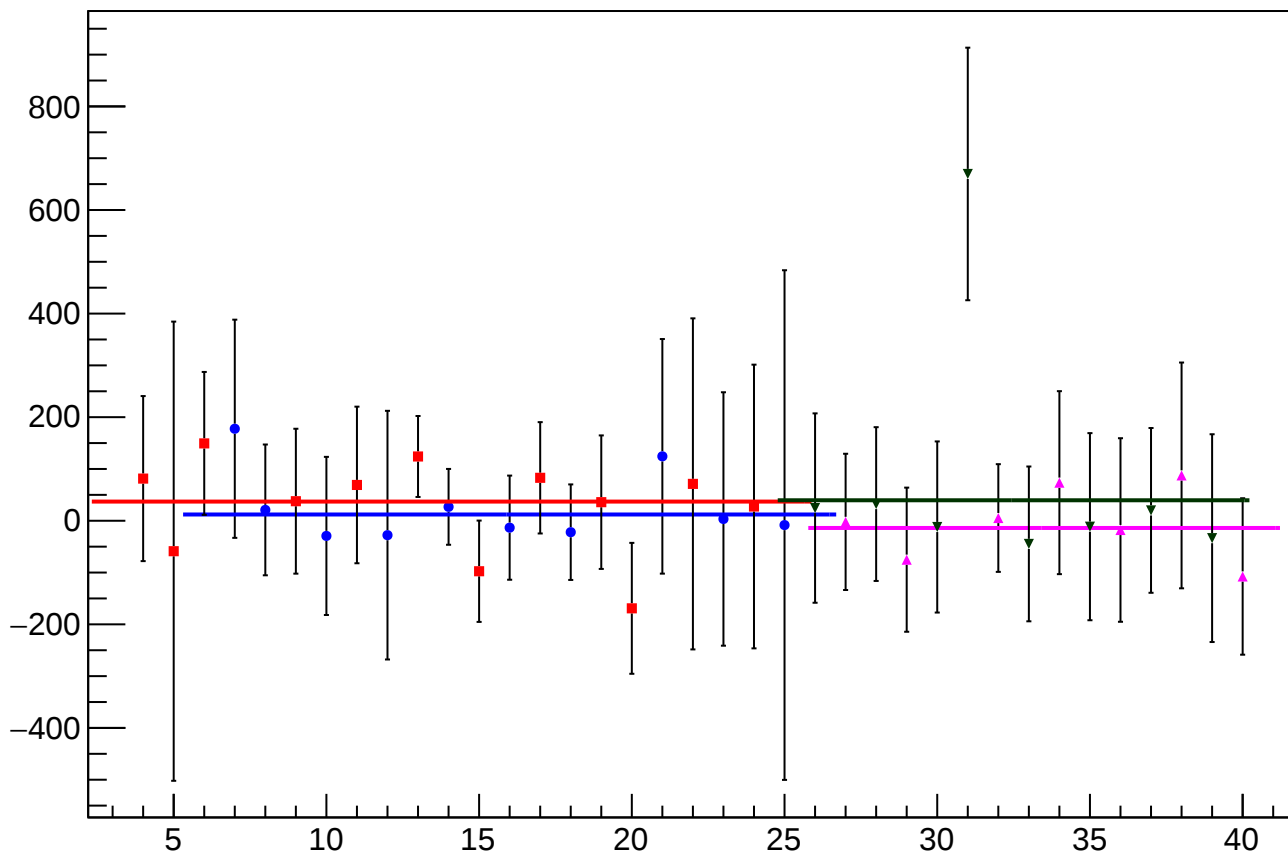
139.753+/-0.033 χ^2/NDF : 3179275.8/17

Right Out: 145.320+/-0.048 χ^2/NDF : 3498392.4/11

126.345+/-0.030 χ^2/NDF : 3926390.6/18

Left In: 114.119+/-0.038 χ^2/NDF : 169415.0/6

asym_bcm_an_ds3_mean vs slug



Right In: 12.098 ± 41.208 $\chi^2/\text{NDF}: 1.2/9$

Left Out: 39.553 ± 61.024 $\chi^2/\text{NDF}: 7.3/7$

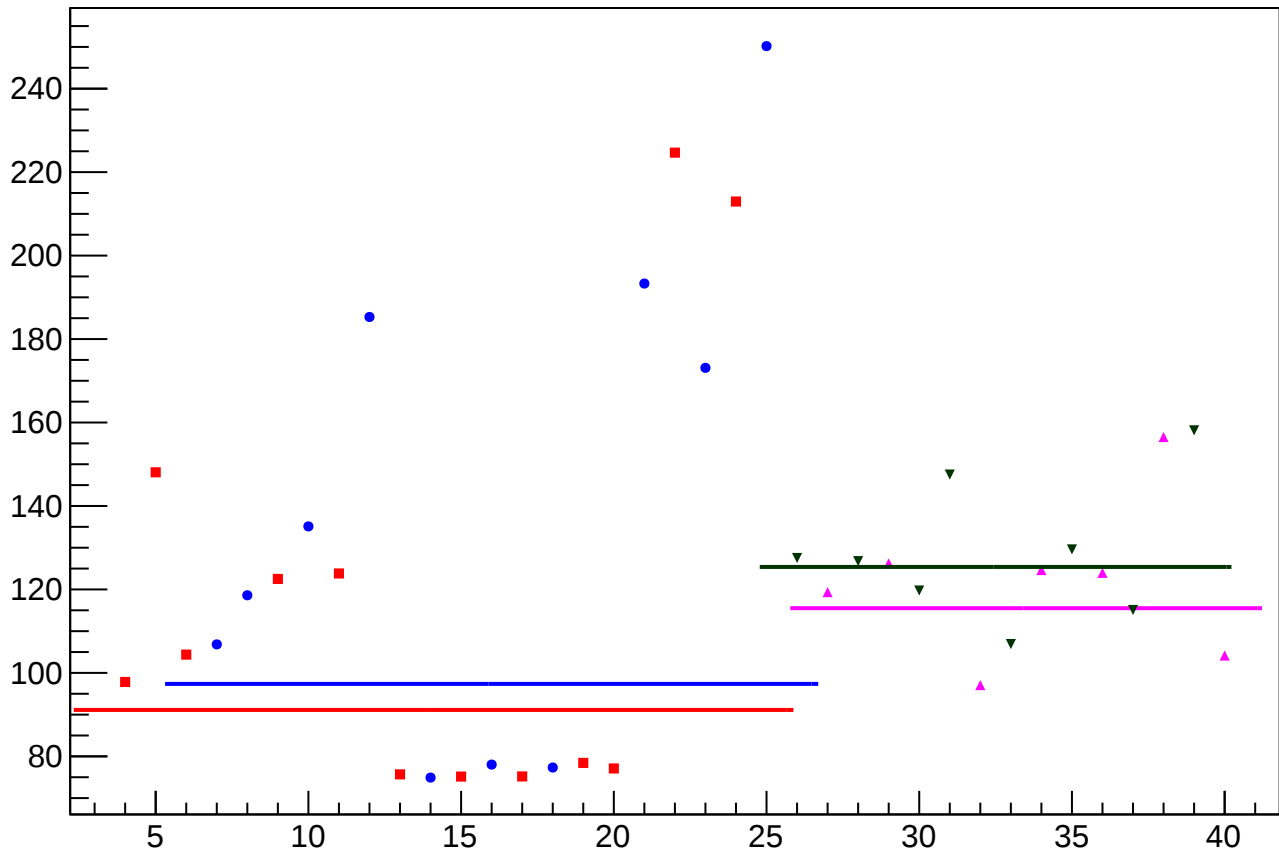
Right Out: 37.031 ± 38.001 $\chi^2/\text{NDF}: 6.8/11$

Left In: -13.920 ± 54.987 $\chi^2/\text{NDF}: 1.1/6$

20.697 ± 34.151 $\chi^2/\text{NDF}: 8.7/17$

20.562 ± 31.262 $\chi^2/\text{NDF}: 8.5/18$

asym_bcm_an_ds3_rms vs slug



Right In: 97.366+/-0.029 χ^2/NDF : 1551052.0/9

Left Out: 125.392+/-0.043 χ^2/NDF : 112587.9/7

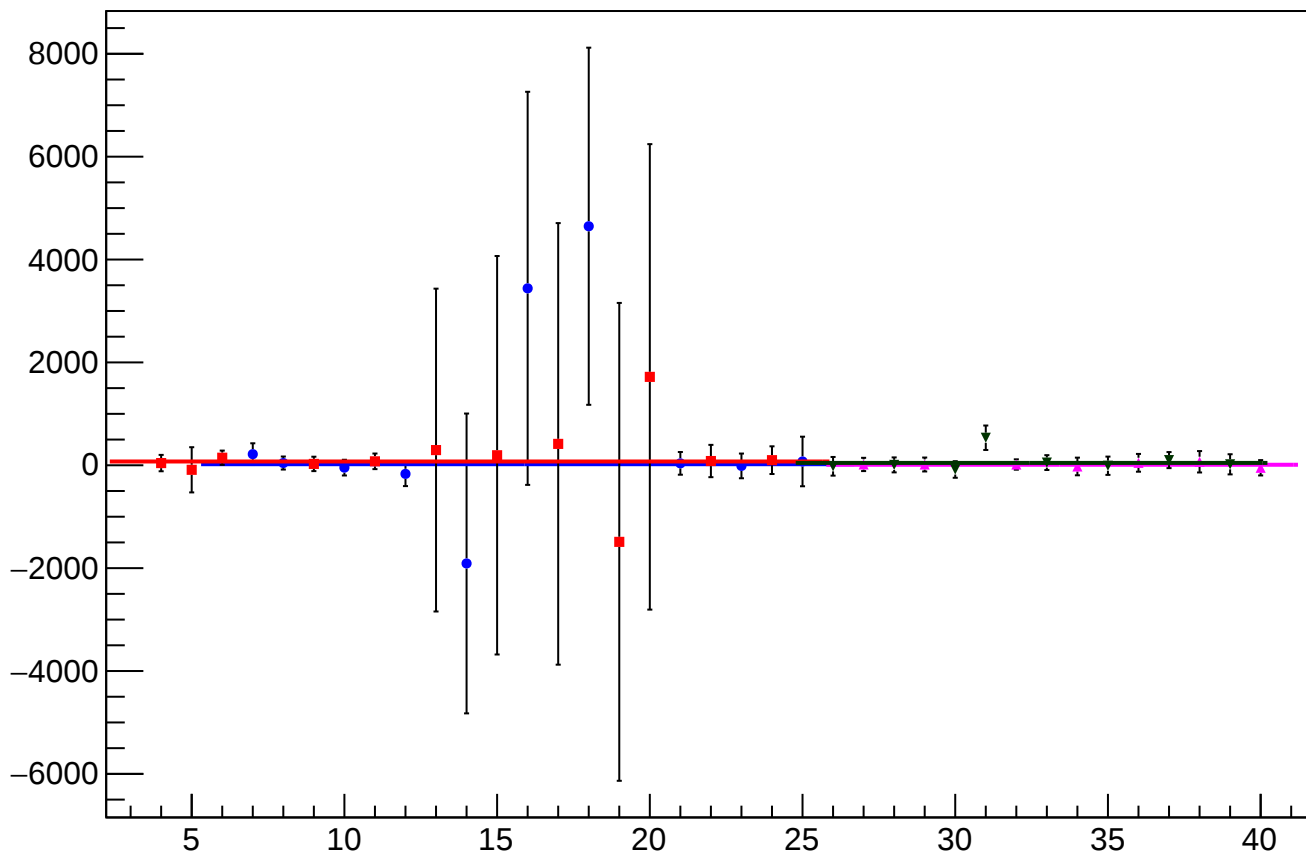
106.143+/-0.024 χ^2/NDF : 1953366.1/17

Right Out: 91.126+/-0.027 χ^2/NDF : 1213529.6/11

99.007+/-0.022 χ^2/NDF : 1648170.3/18

Left In: 115.508+/-0.039 χ^2/NDF : 168509.1/6

asym_bcm_an_us_mean vs slug



Right In: 20.924+/-72.964 χ^2/NDF : 4.8/9

Left Out: 46.090+/-59.682 χ^2/NDF : 5.3/7

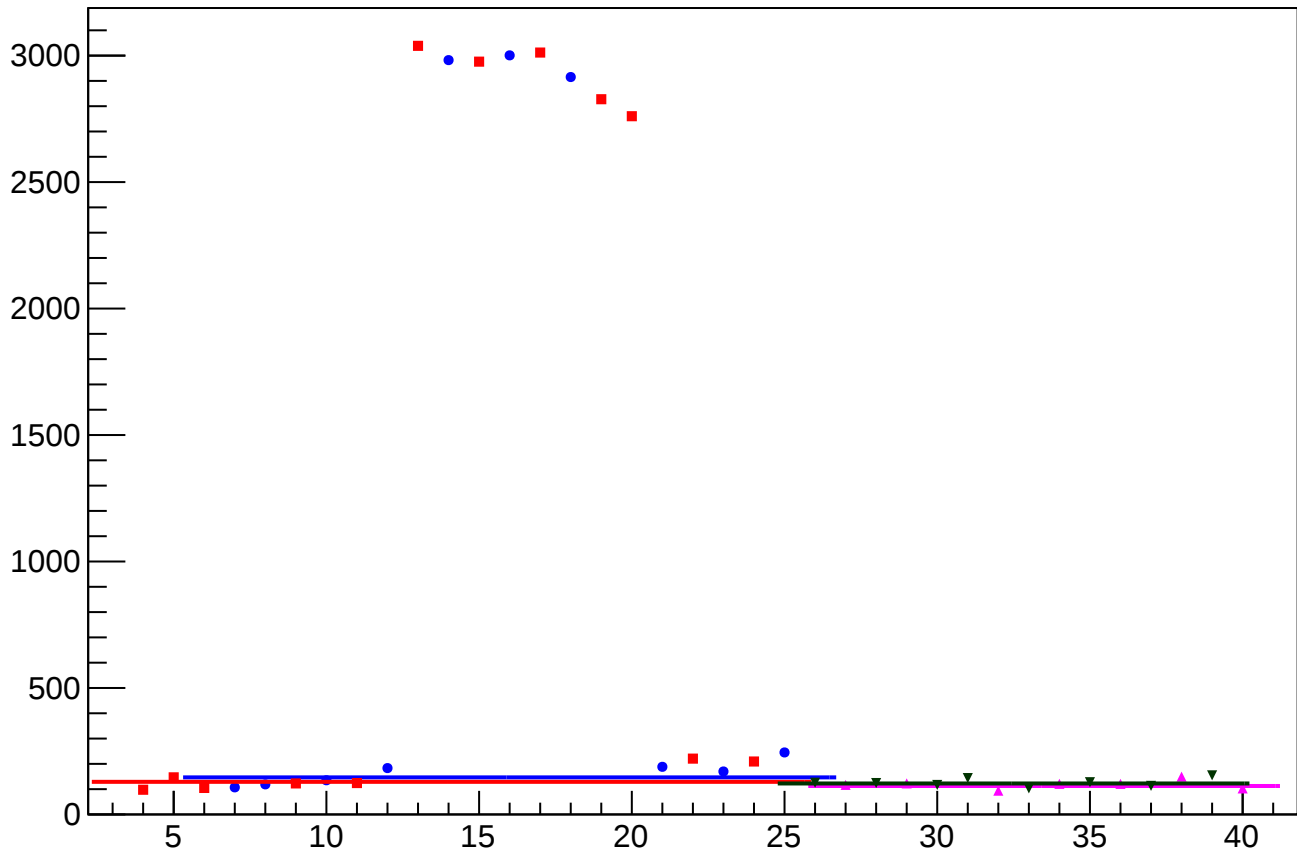
Right Out: 73.751+/-68.100 χ^2/NDF : 0.8/11

Left In: 9.944+/-53.557 χ^2/NDF : 0.3/6

36.002+/-46.196 χ^2/NDF : 10.1/17

34.327+/-42.098 χ^2/NDF : 1.7/18

asym_bcm_an_us_rms vs slug



Right In: 146.572 $\pm$ 0.052 χ^2 /NDF: 4679005.5/9

Left Out: 122.476 $\pm$ 0.042 χ^2 /NDF: 118172.8/7

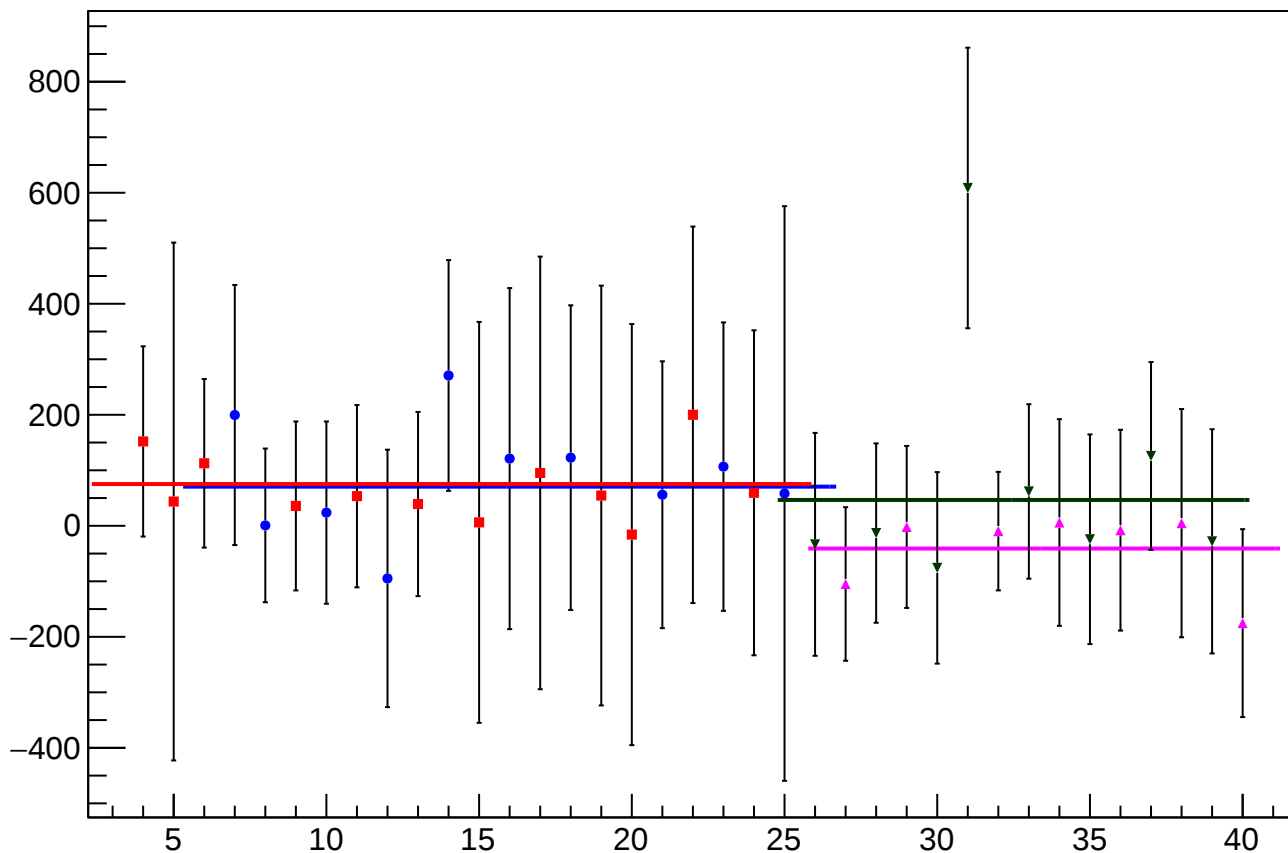
132.135 $\pm$ 0.033 χ^2 /NDF: 4927867.4/17

Right Out: 128.952 $\pm$ 0.048 χ^2 /NDF: 5549811.0/11

118.808 $\pm$ 0.030 χ^2 /NDF: 5783346.5/18

Left In: 112.533 $\pm$ 0.038 χ^2 /NDF: 161706.2/6

asym_bcm_dg_us_mean vs slug



Right In: 70.544 ± 69.178 $\chi^2/\text{NDF}: 2.2/9$

Left Out: 46.551 ± 64.505 $\chi^2/\text{NDF}: 6.2/7$

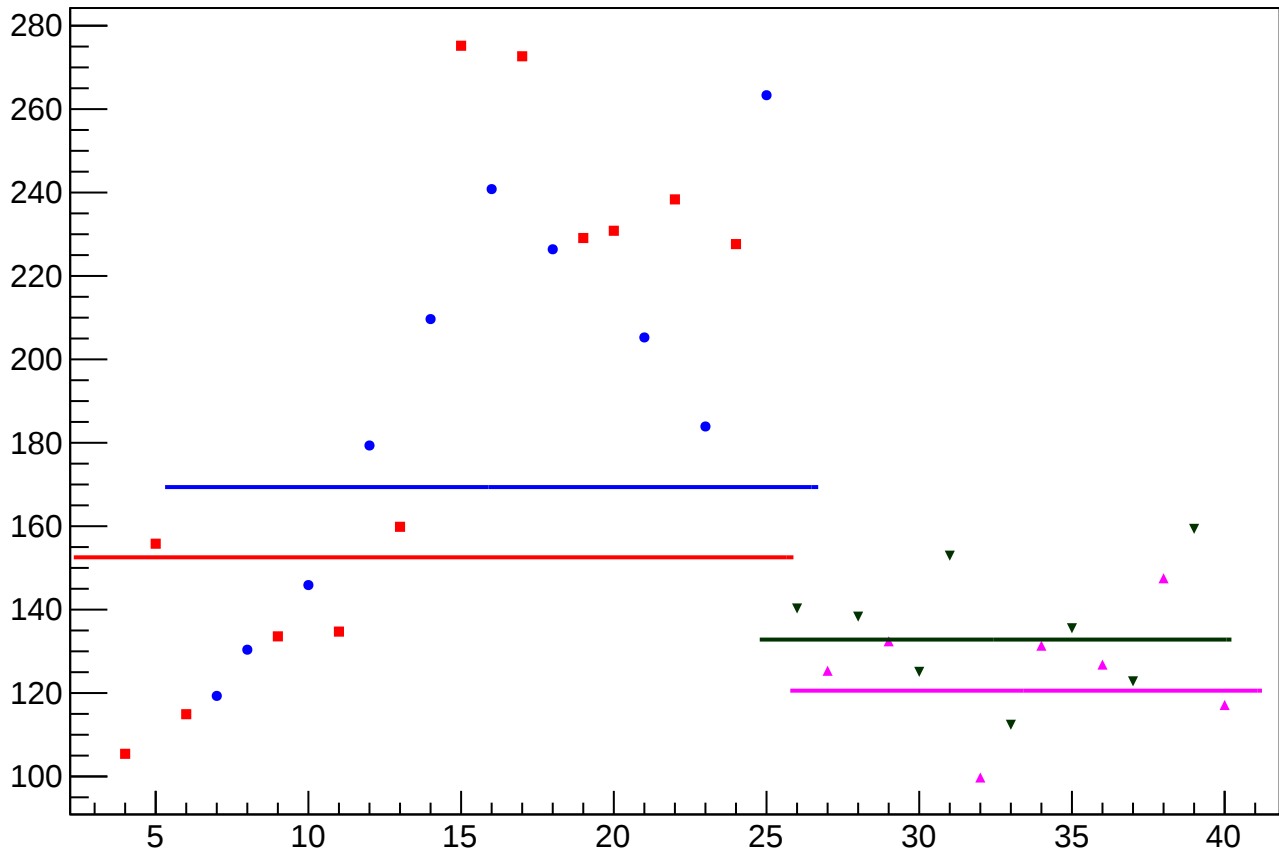
Right Out: 75.223 ± 63.607 $\chi^2/\text{NDF}: 0.6/11$

Left In: -40.959 ± 57.272 $\chi^2/\text{NDF}: 1.1/6$

57.710 ± 47.178 $\chi^2/\text{NDF}: 8.5/17$

11.060 ± 42.562 $\chi^2/\text{NDF}: 3.6/18$

asym_bcm_dg_us_rms vs slug



Right In: 169.383+/-0.049 χ^2/NDF : 680872.4/9

Left Out: 132.820+/-0.046 χ^2/NDF : 97496.2/7

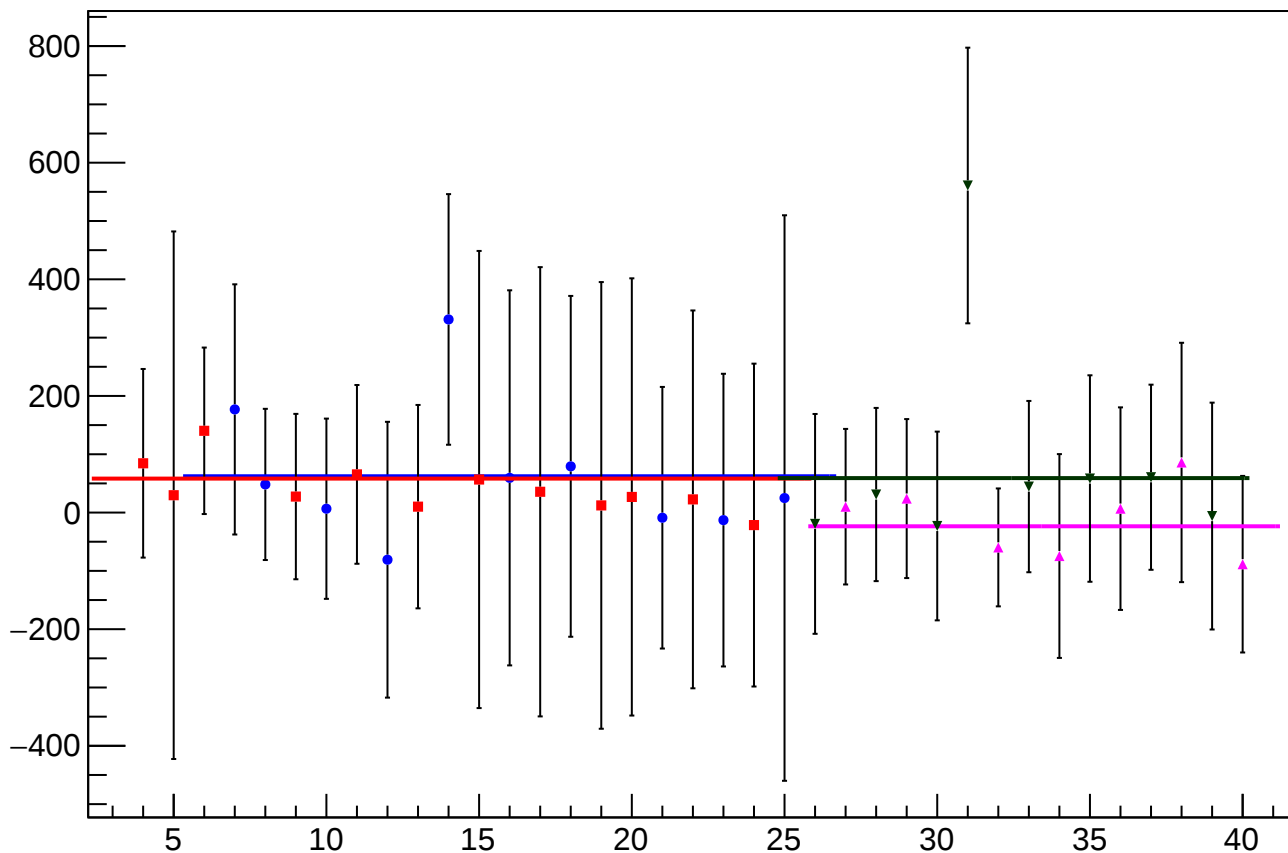
149.825+/-0.033 χ^2/NDF : 1077210.0/17

Right Out: 152.541+/-0.045 χ^2/NDF : 1180030.6/11

134.884+/-0.030 χ^2/NDF : 1594905.4/18

Left In: 120.568+/-0.040 χ^2/NDF : 135792.2/6

asym_bcm_dg_ds_mean vs slug



Right In: 62.253+/-66.815 χ^2/NDF : 2.6/9

Left Out: 59.103+/-60.420 χ^2/NDF : 5.1/7

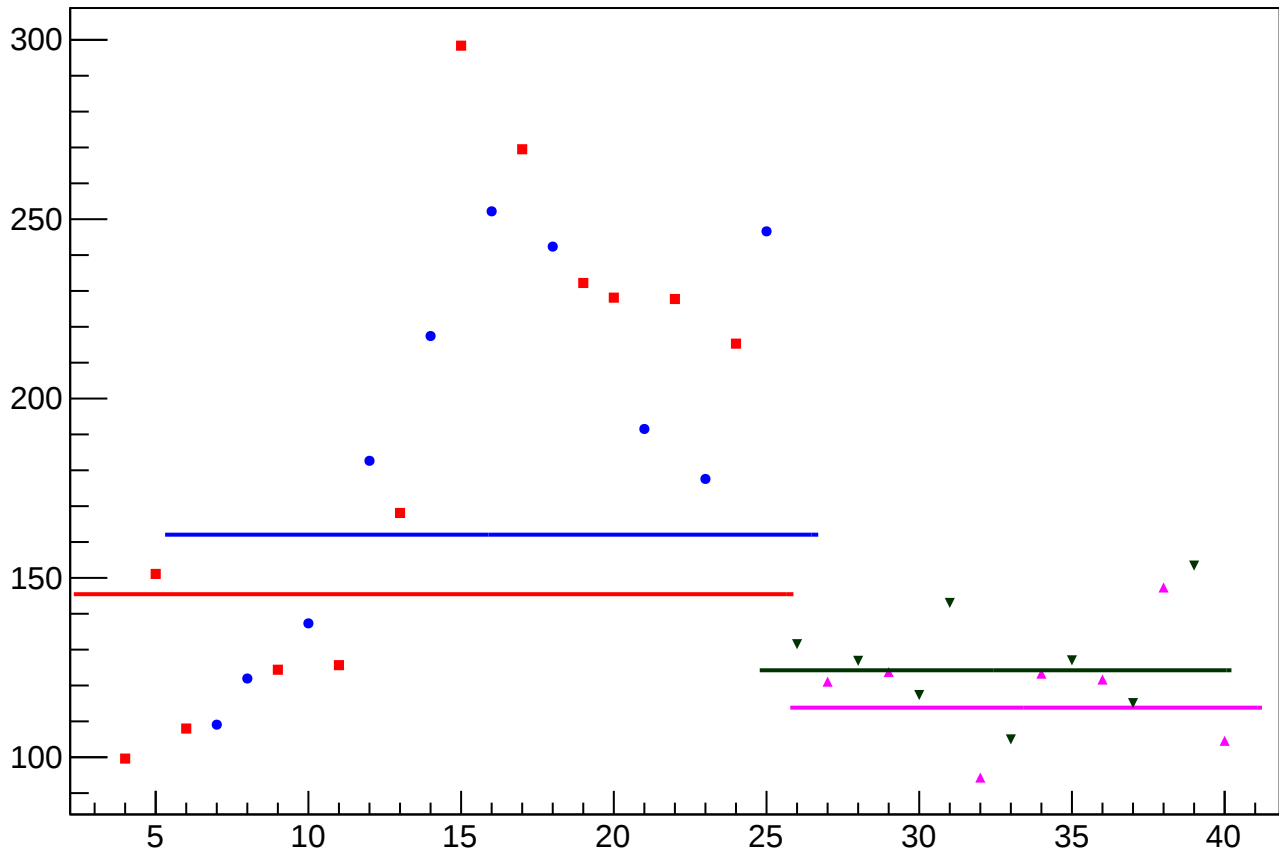
Right Out: 58.253+/-61.187 χ^2/NDF : 0.6/11

Left In: -23.531+/-54.146 χ^2/NDF : 0.9/6

60.520+/-44.814 χ^2/NDF : 7.7/17

12.387+/-40.549 χ^2/NDF : 2.5/18

asym_bcm_dg_ds_rms vs slug



Right In: 162.048+/-0.047 χ^2/NDF : 923631.2/9

Left Out: 124.244+/-0.043 χ^2/NDF : 106443.4/7

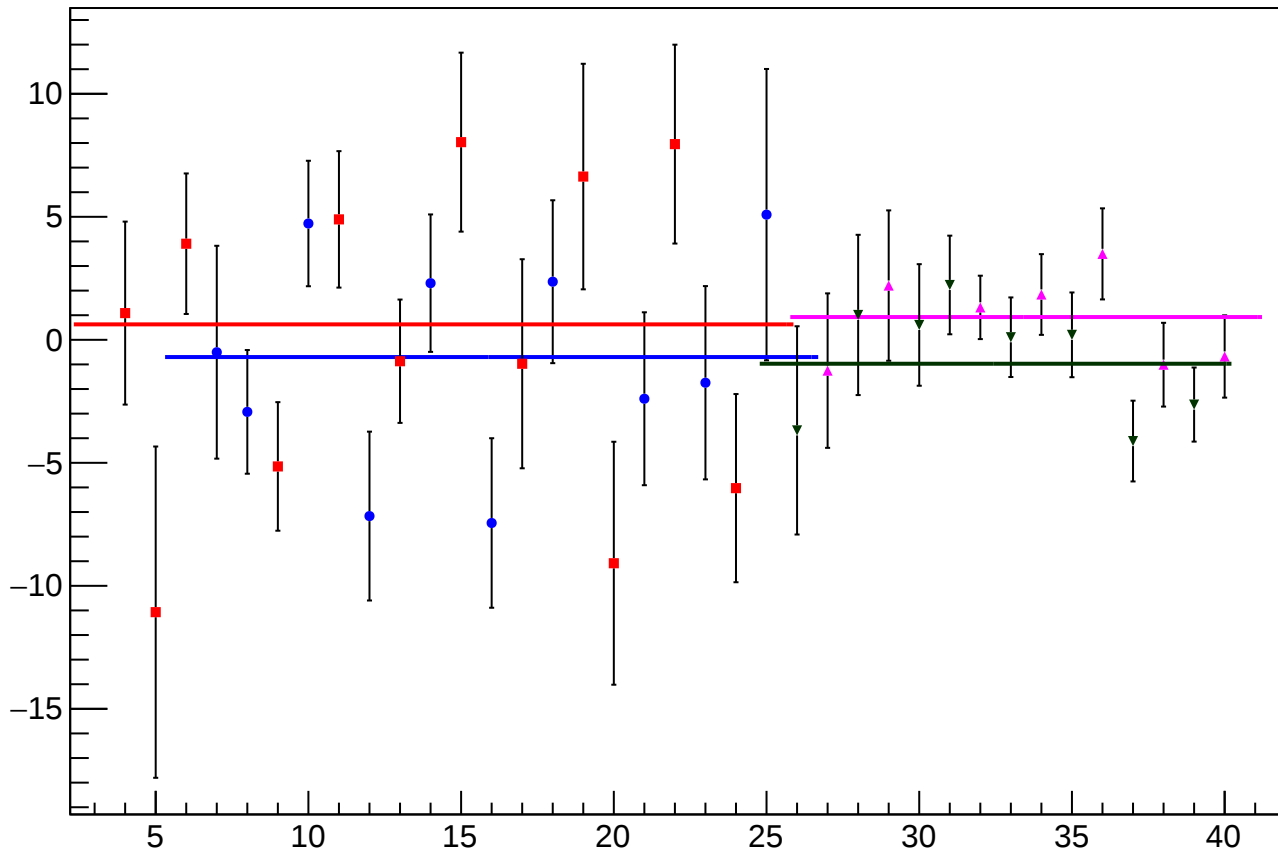
141.251+/-0.032 χ^2/NDF : 1382297.6/17

Right Out: 145.454+/-0.043 χ^2/NDF : 1377812.6/11

127.715+/-0.029 χ^2/NDF : 1839145.9/18

Left In: 113.823+/-0.038 χ^2/NDF : 161582.3/6

asym_cav4bQ_mean vs slug



Right In: -0.701 ± 1.038 $\chi^2/\text{NDF}: 16.0/9$

Left Out: -0.972 ± 0.691 $\chi^2/\text{NDF}: 9.5/7$

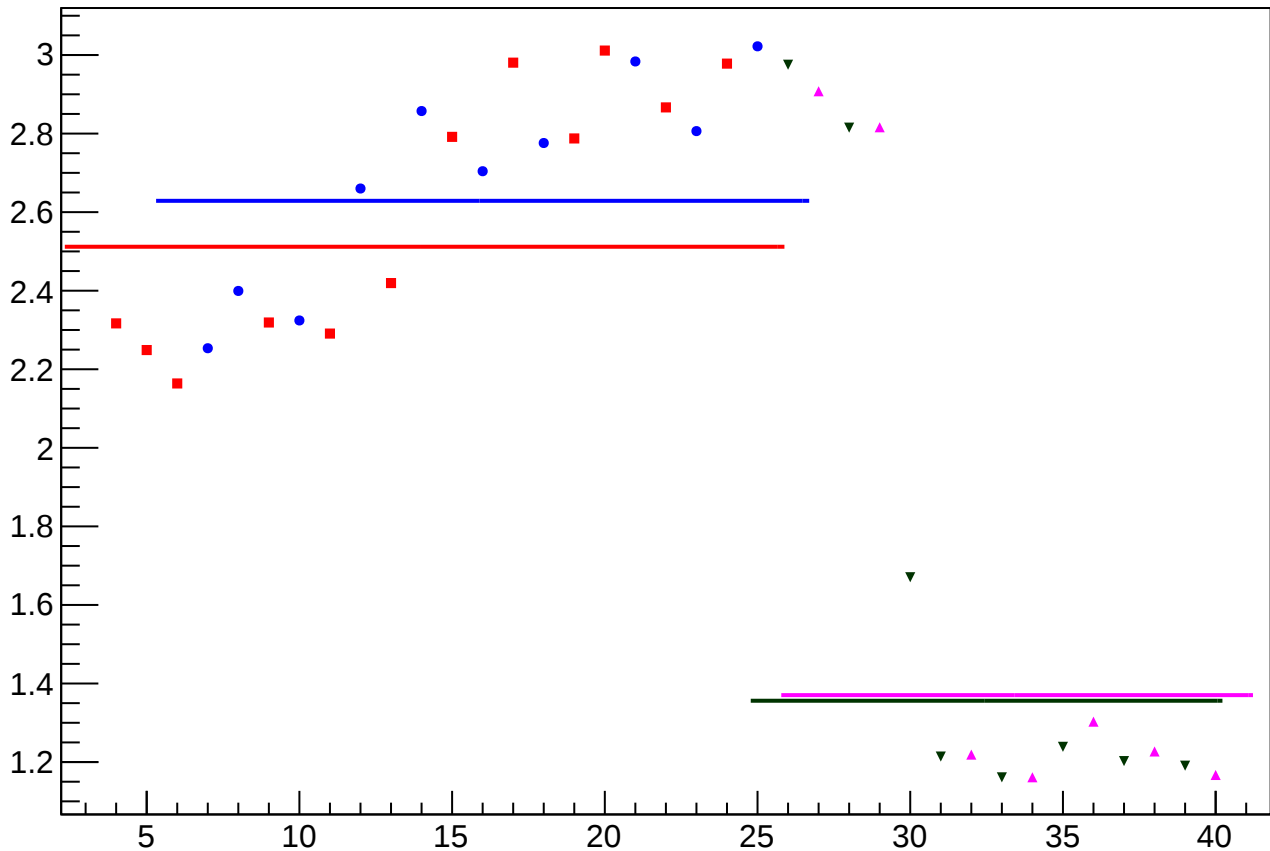
Right Out: 0.628 ± 0.999 $\chi^2/\text{NDF}: 28.1/11$

Left In: 0.926 ± 0.678 $\chi^2/\text{NDF}: 5.2/6$

-0.889 ± 0.575 $\chi^2/\text{NDF}: 25.5/17$

0.832 ± 0.561 $\chi^2/\text{NDF}: 33.4/18$

asym_cav4bQ_rms vs slug



Right In: 2.629 $\pm$ 0.001 χ^2 /NDF: 111982.4/9

Left Out: 1.356 $\pm$ 0.000 χ^2 /NDF:816317.2/7

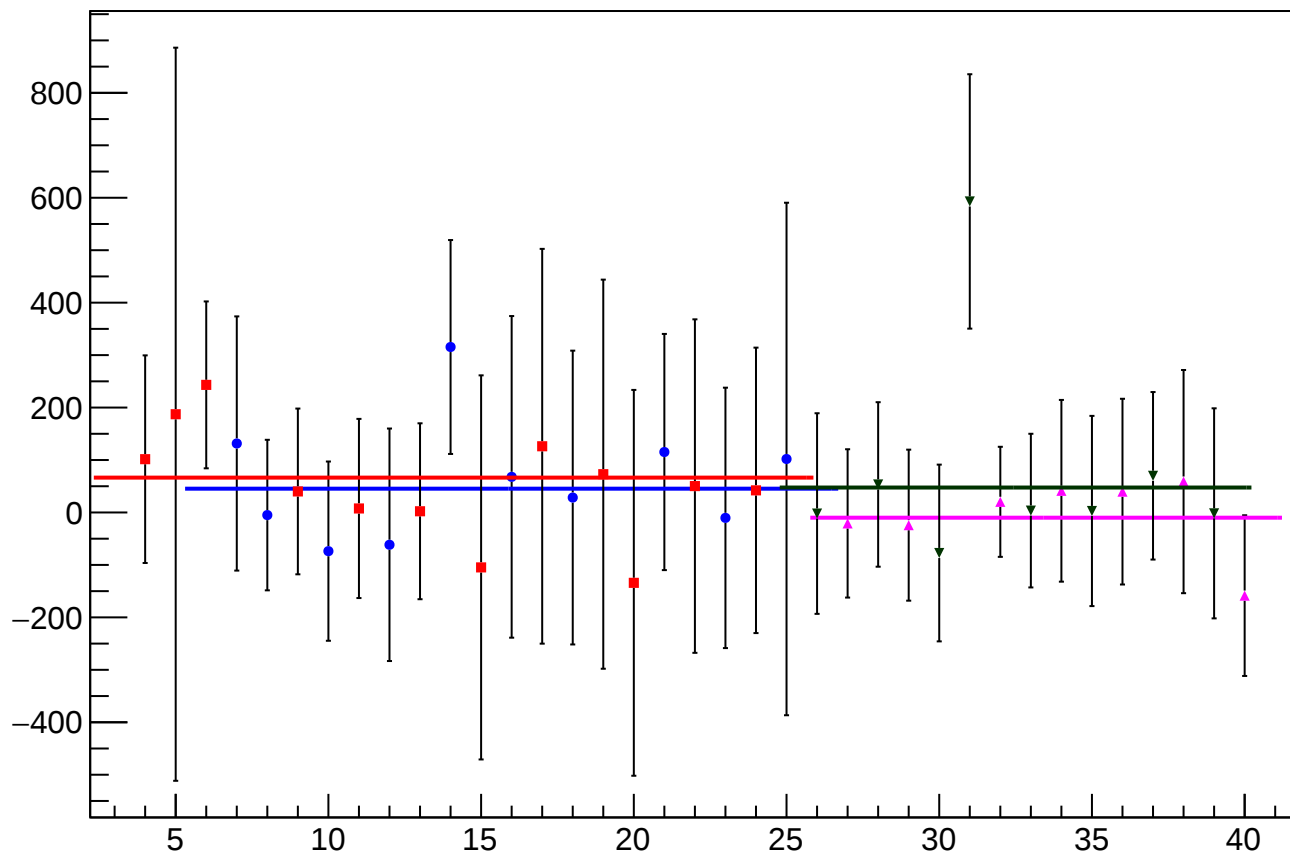
Right Out: 2.512 $\pm$ 0.001 χ^2 /NDF: 173540.5/11

Left In: 1.370 $\pm$ 0.000 χ^2 /NDF:1033445.3/6

1.747 $\pm$ 0.000 χ^2 /NDF: 3011693.4/17

1.730 $\pm$ 0.000 χ^2 /NDF: 2994662.2/18

asym_cav4cQ_mean vs slug



Right In: 45.350+/-69.374 χ^2/NDF : 2.9/9

Left Out: 47.538+/-61.849 χ^2/NDF : 5.9/7

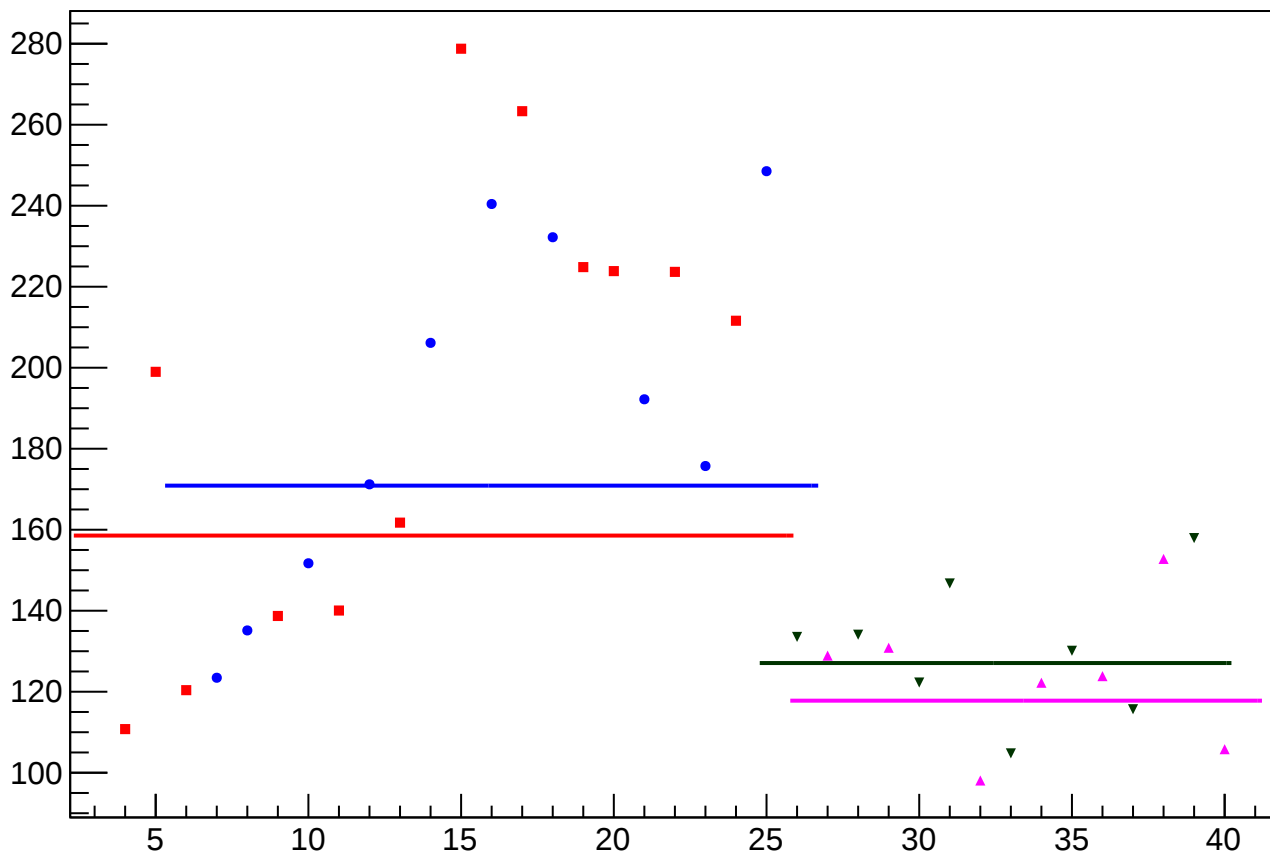
Right Out: 66.444+/-65.999 χ^2/NDF : 2.1/11

Left In: -9.970+/-55.985 χ^2/NDF : 1.3/6

46.569+/-46.166 χ^2/NDF : 8.8/17

22.006+/-42.693 χ^2/NDF : 4.2/18

asym_cav4cQ_rms vs slug



Right In: 170.886+/-0.049 χ^2/NDF : 553736.6/9

Left Out: 127.084+/-0.044 χ^2/NDF : 125654.6/7

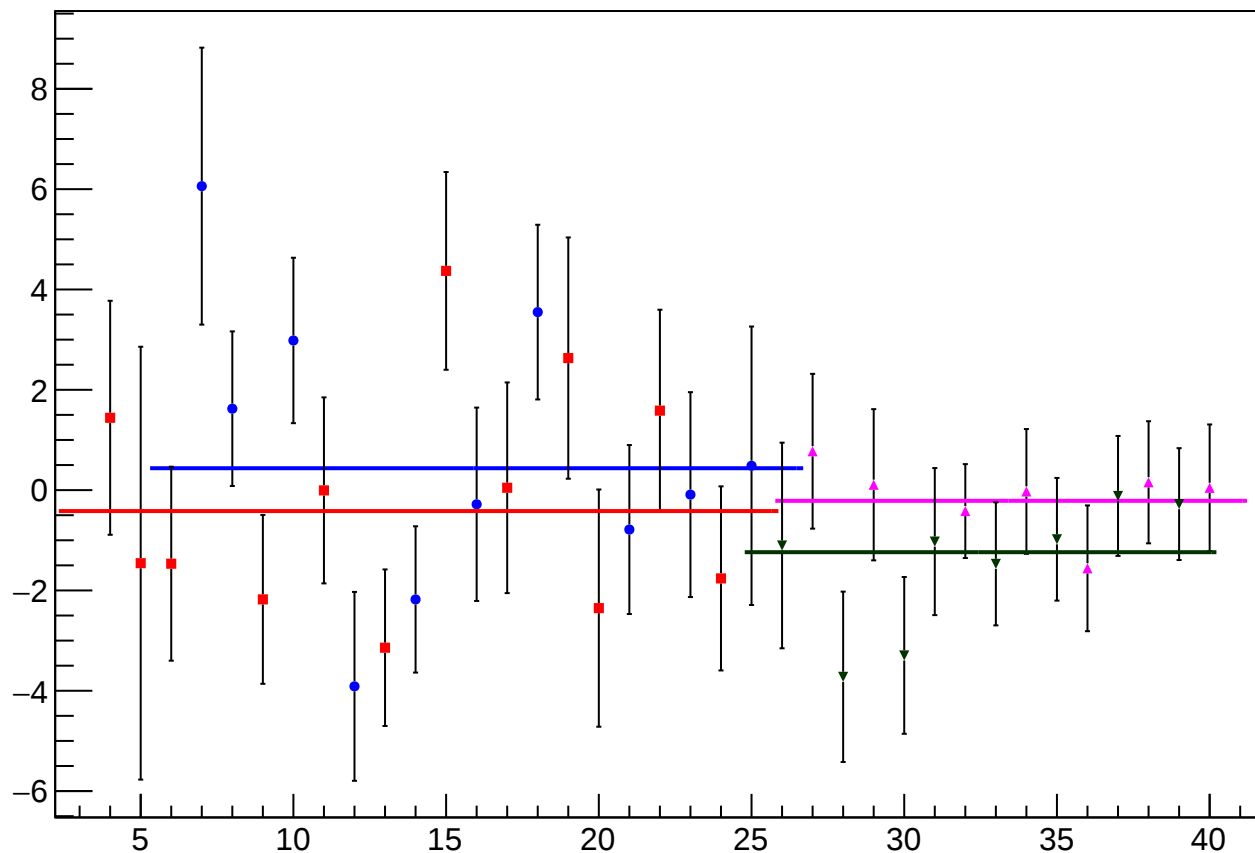
Right Out: 158.557+/-0.047 χ^2/NDF : 951673.3/11

Left In: 117.791+/-0.040 χ^2/NDF : 169472.7/6

146.481+/-0.033 χ^2/NDF : 1123613.1/17

134.850+/-0.030 χ^2/NDF : 1564876.9/18

asym_cav4dQ_mean vs slug



Right In: 0.437 $\pm$ 0.578 χ^2 /NDF: 19.6/9

Left Out: -1.237 $\pm$ 0.482 χ^2 /NDF: 5.6/7

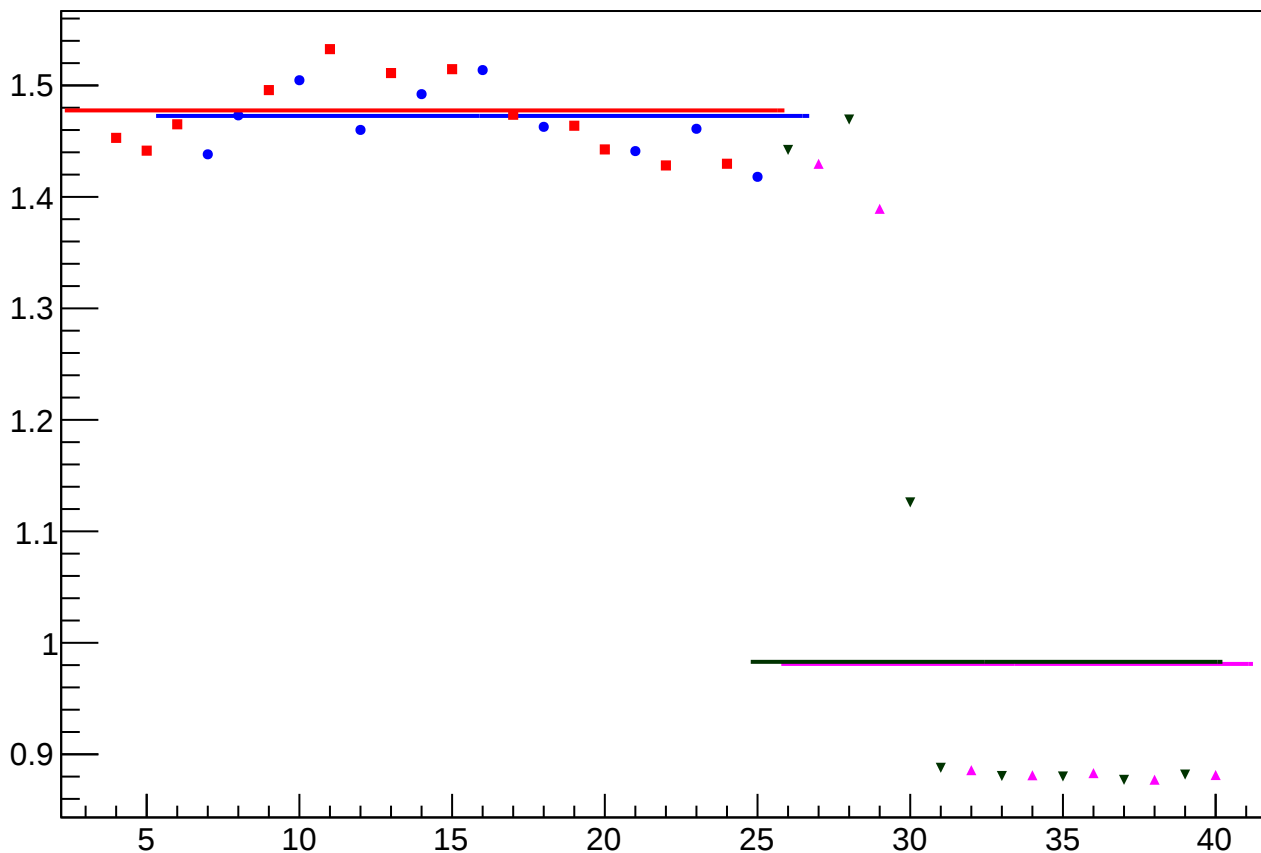
Right Out: -0.417 $\pm$ 0.583 χ^2 /NDF: 14.9/11

Left In: -0.213 $\pm$ 0.467 χ^2 /NDF: 1.8/6

-0.550 $\pm$ 0.370 χ^2 /NDF: 30.1/17

-0.293 $\pm$ 0.365 χ^2 /NDF: 16.8/18

asym_cav4dQ_rms vs slug



Right In: 1.473+/-0.000 χ^2/NDF : 4027.5/9

Left Out: 0.983+/-0.000 χ^2/NDF : 349843.2/7

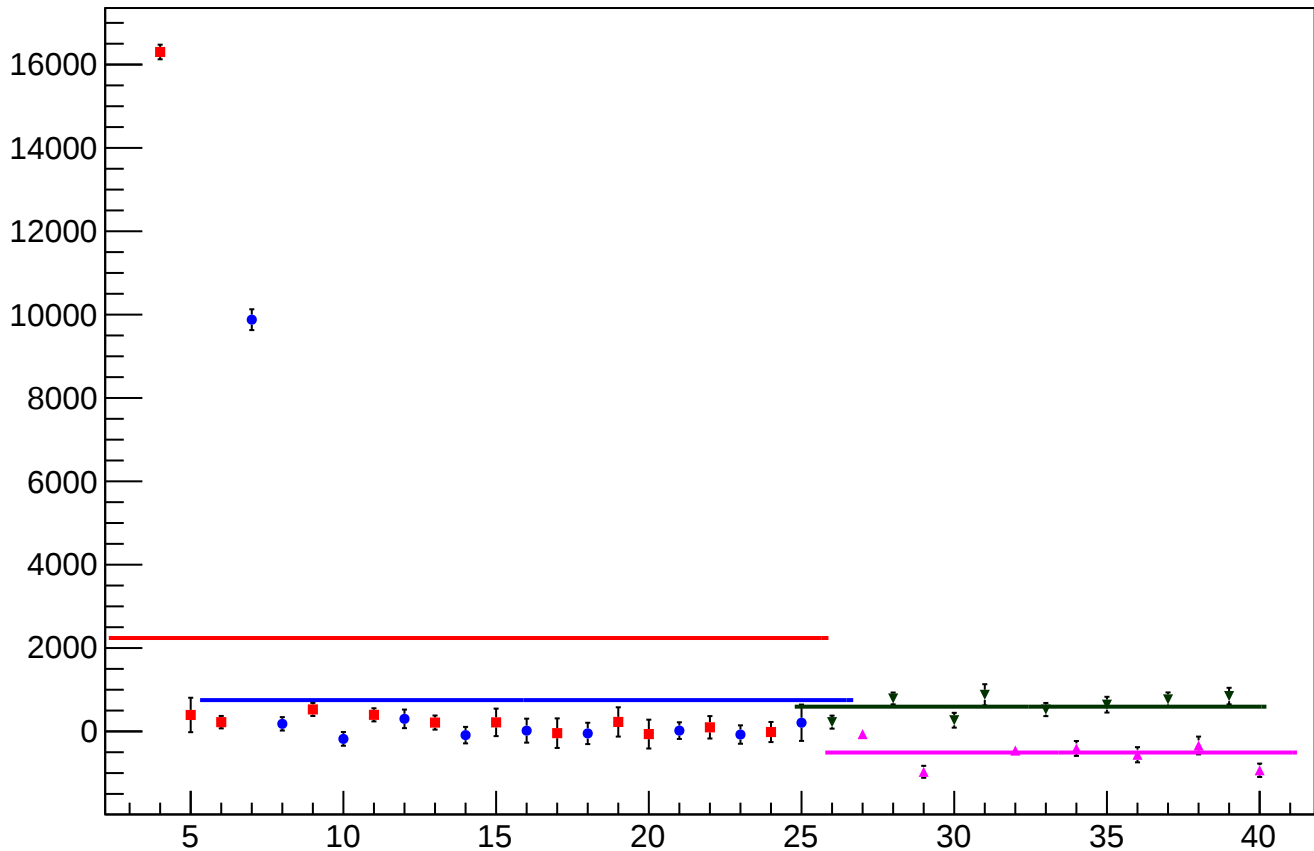
Right Out: 1.478+/-0.000 χ^2/NDF : 7139.1/11

Left In: 0.981+/-0.000 χ^2/NDF : 388672.4/6

1.184+/-0.000 χ^2/NDF : 1199964.0/17

1.175+/-0.000 χ^2/NDF : 1279001.2/18

asym_bcm0l02_mean vs slug



Right In: 750.803+/-68.130 χ^2/NDF : 1445.6/9

Left Out: 593.244+/-61.241 χ^2/NDF : 15.1/7

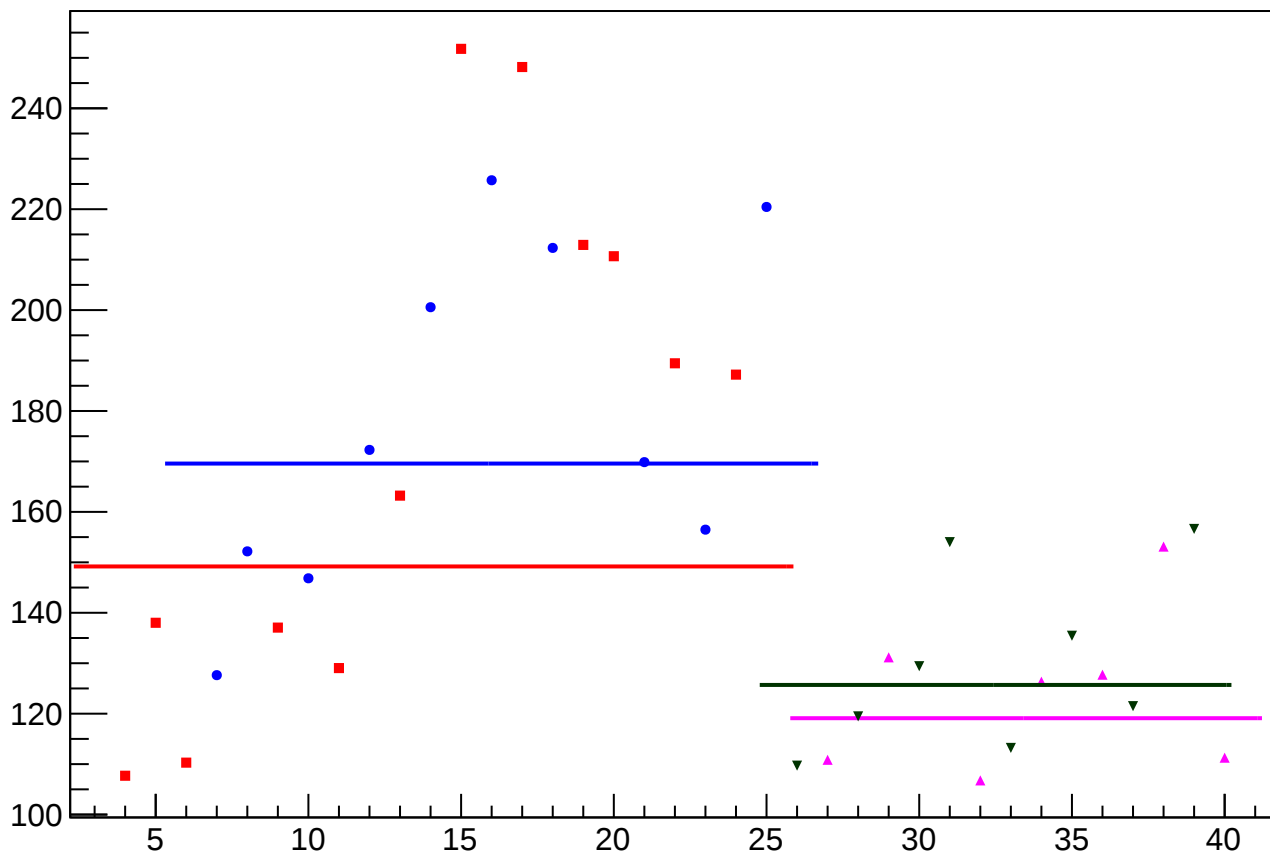
663.658+/-45.545 χ^2/NDF : 1463.7/17

Right Out: 2240.760+/-61.598 χ^2/NDF : 7330.5/11

743.495+/-41.554 χ^2/NDF : 8446.6/18

Left In: -506.949+/-56.293 χ^2/NDF : 31.8/6

asym_bcm0l02_rms vs slug



Right In: 169.579+/-0.048 χ^2/NDF : 333569.7/9

Left Out: 125.697+/-0.043 χ^2/NDF : 118003.9/7

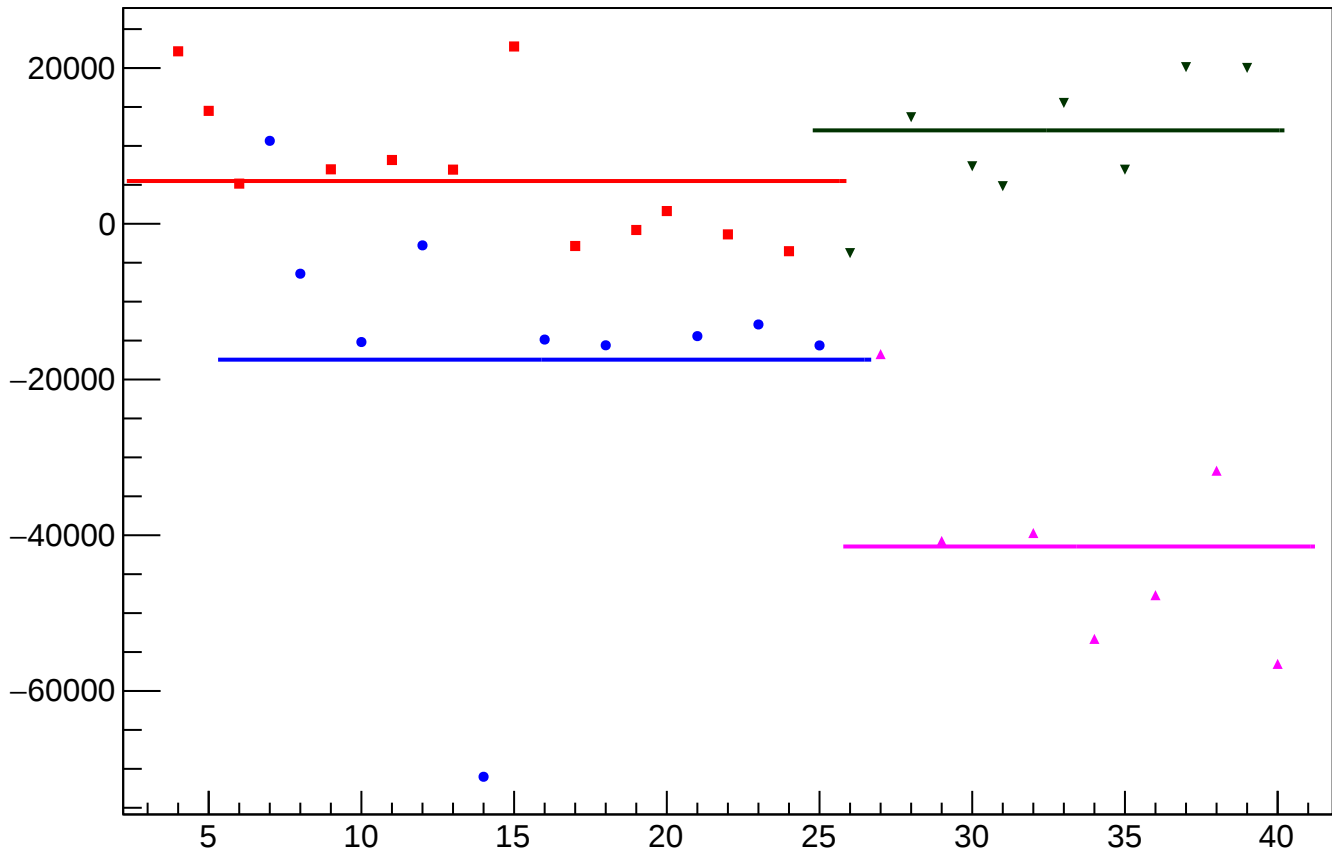
145.308+/-0.032 χ^2/NDF : 910482.9/17

Right Out: 149.184+/-0.044 χ^2/NDF : 879836.6/11

132.792+/-0.029 χ^2/NDF : 1249810.2/18

Left In: 119.103+/-0.040 χ^2/NDF : 110080.7/6

asym_bpm2i01WS_mean vs slug



Right In: -17450.855+/-46.763 χ^2/NDF : 203331.0/9

Left Out: 11995.975+/-48.908 χ^2/NDF : 24665.6/7

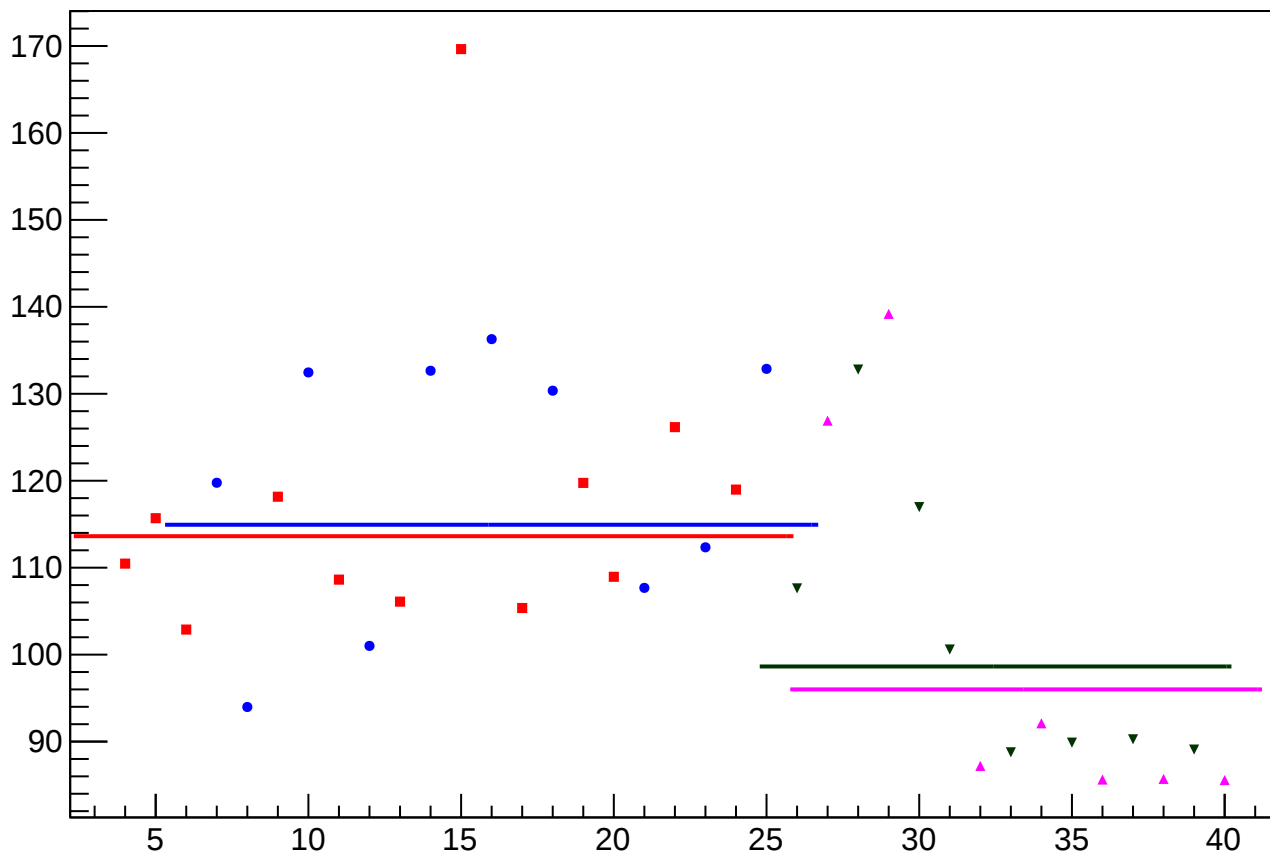
Right Out: 5490.592+/-46.372 χ^2/NDF : 24655.8/11

Left In: -41444.937+/-46.626 χ^2/NDF : 61947.2/6

-3387.147+/-33.799 χ^2/NDF : 417375.4/17

-17849.357+/-32.879 χ^2/NDF : 596032.6/18

asym_bpm2i01WS_rms vs slug



Right In: 114.939 $\pm$ 0.033 χ^2 /NDF: 233540.9/9

Left Out: 98.639 $\pm$ 0.035 χ^2 /NDF:165177.0/7

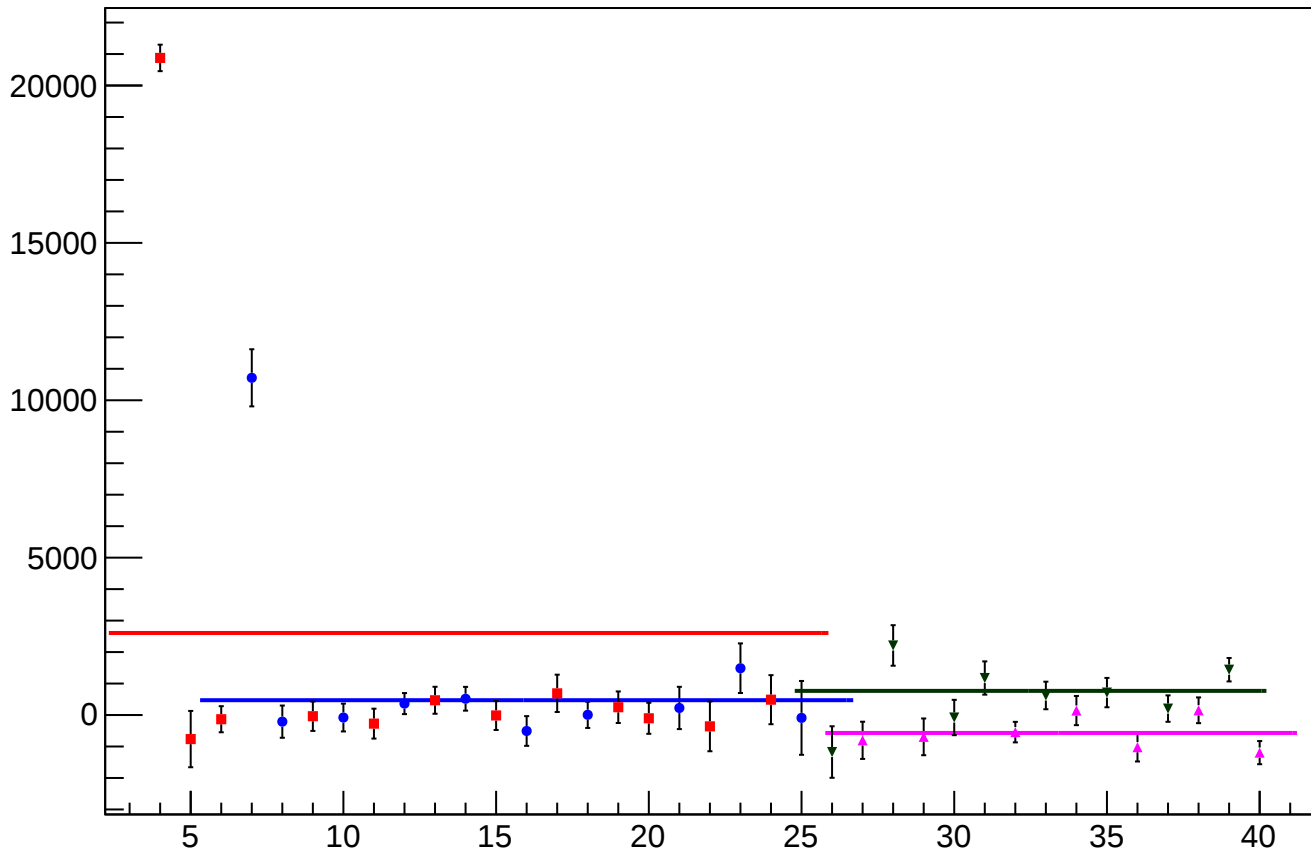
Right Out: 113.621 $\pm$ 0.033 χ^2 /NDF: 162658.1/11

Left In: 96.001 $\pm$ 0.033 χ^2 /NDF:308996.3/6

107.154 $\pm$ 0.024 χ^2 /NDF: 514772.0/17

104.859 $\pm$ 0.023 χ^2 /NDF: 615241.7/18

asym_bpm0i07WS_mean vs slug



Right In: 470.960+/-156.387 χ^2/NDF : 138.4/9

Left Out: 767.382+/-173.129 χ^2/NDF : 18.7/7

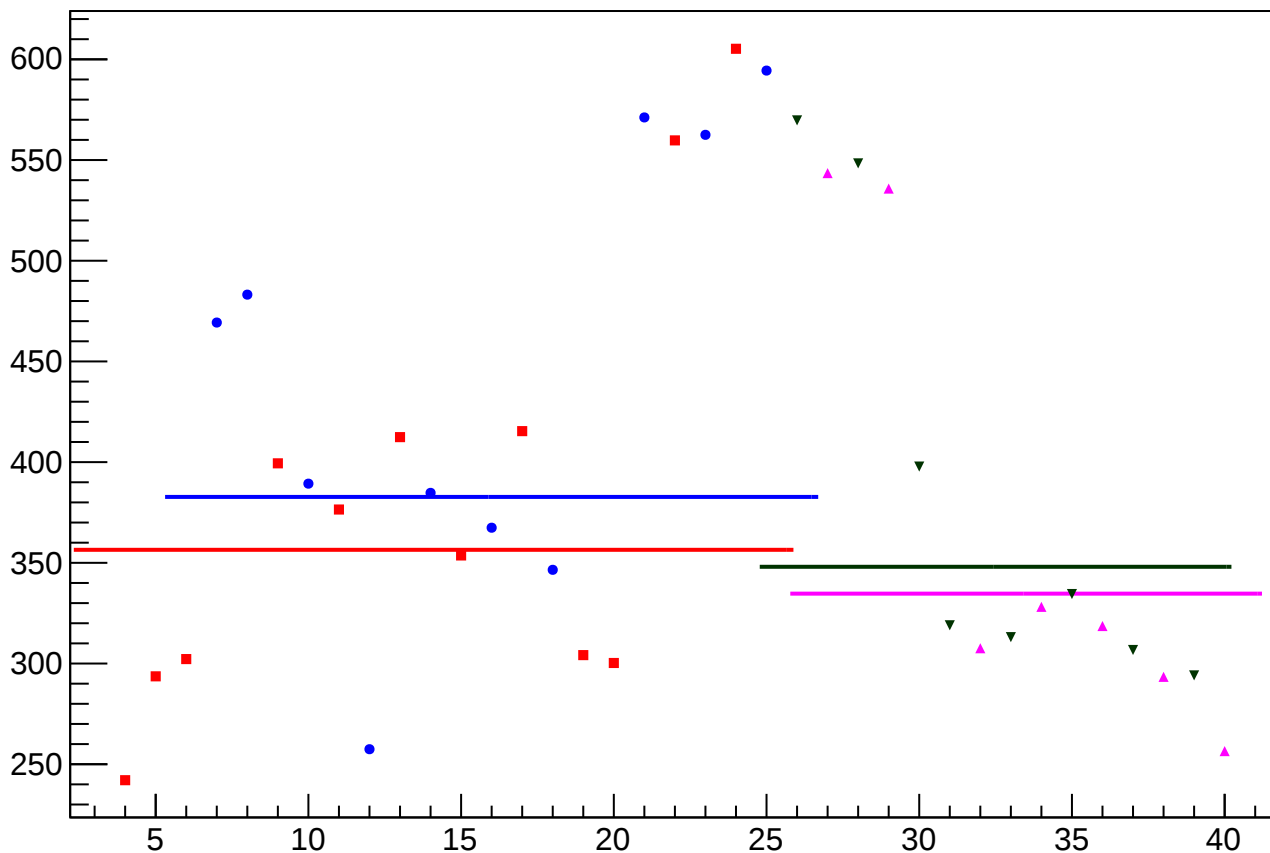
604.149+/-116.051 χ^2/NDF : 158.8/17

Right Out: 2606.972+/-147.343 χ^2/NDF : 2154.3/11

1169.876+/-109.032 χ^2/NDF : 2374.1/18

Left In: -569.494+/-162.100 χ^2/NDF : 9.5/6

asym_bpm0i07WS_rms vs slug



Right In: 382.730 ± 0.111 χ^2/NDF : 720132.6/9

Left Out: 348.035 ± 0.122 χ^2/NDF : 437623.9/7

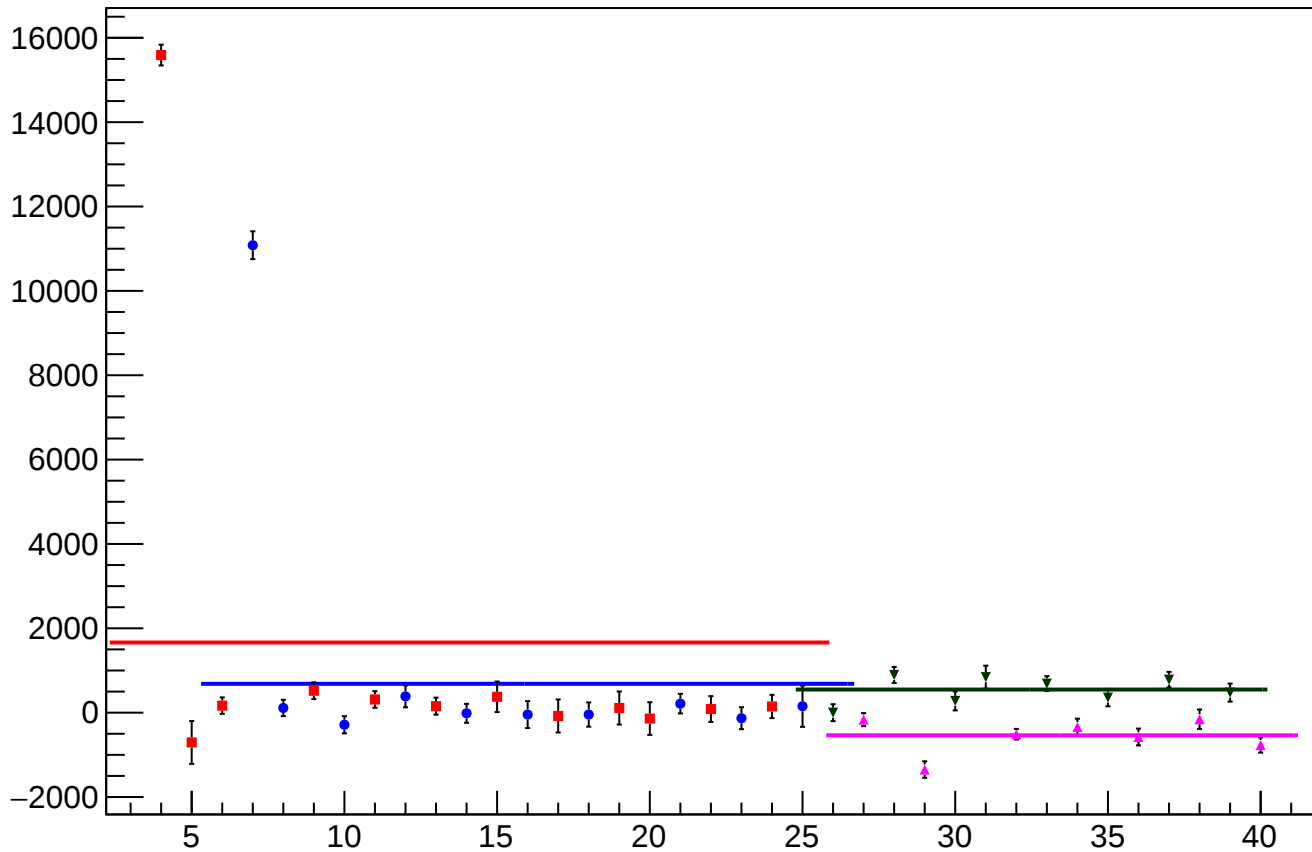
Right Out: 356.465 ± 0.104 χ^2/NDF : 650032.0/11

Left In: 334.701 ± 0.115 χ^2/NDF : 614429.5/6

367.141 ± 0.082 χ^2/NDF : 1201985.1/17

346.619 ± 0.077 χ^2/NDF : 1284202.4/18

asym_bpm0l01WS_mean vs slug



Right In: 684.597 $\pm$ 80.654 χ^2/NDF : 1063.9/9

Left Out: 548.669 $\pm$ 72.049 χ^2/NDF :16.6/7

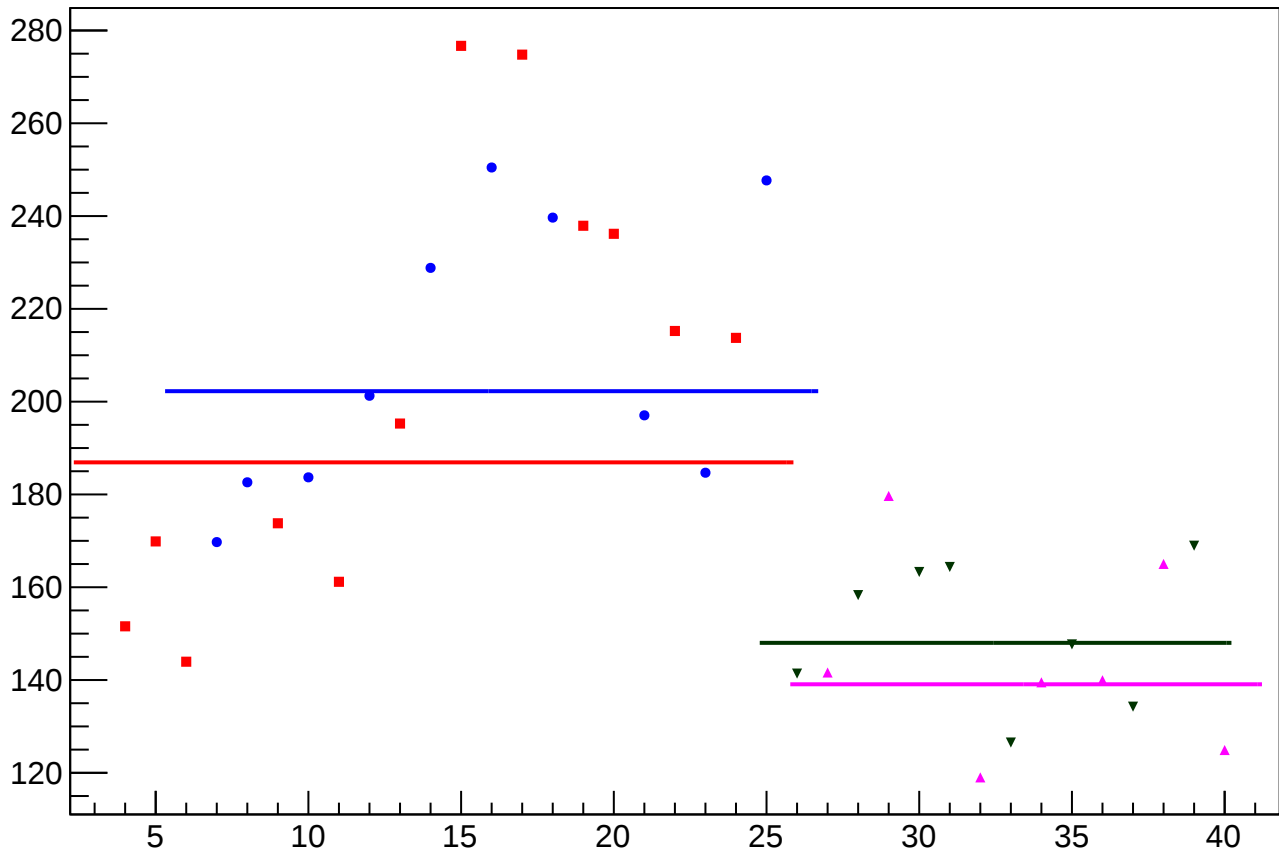
Right Out: 1663.245 $\pm$ 75.915 χ^2/NDF : 3538.6/11

Left In: -536.349 $\pm$ 65.824 χ^2/NDF :28.4/6

608.998 $\pm$ 53.732 χ^2/NDF : 1082.1/17

407.636 $\pm$ 49.732 χ^2/NDF : 4046.2/18

asym_bpm0l01WS_rms vs slug



Right In: 202.258+/-0.057 χ^2/NDF : 191196.0/9

Left Out: 148.013+/-0.051 χ^2/NDF : 84357.1/7

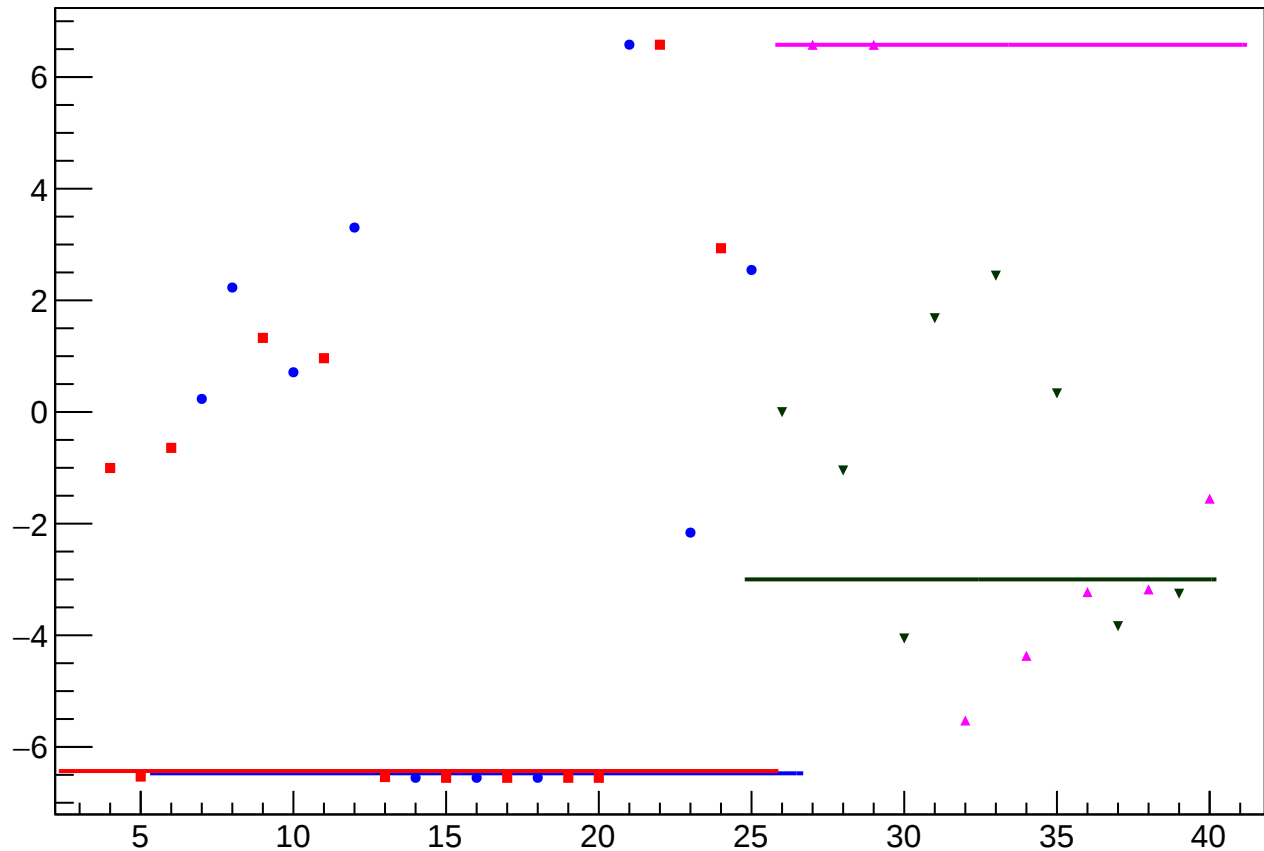
172.089+/-0.038 χ^2/NDF : 778694.9/17

Right Out: 186.914+/-0.054 χ^2/NDF : 512292.6/11

159.610+/-0.035 χ^2/NDF : 1140172.0/18

Left In: 139.082+/-0.047 χ^2/NDF : 174655.5/6

yield_cav4bX_mean vs slug



Right In: -6.473+/-0.000 χ^2/NDF : 127847927584822.3/9

Left Out: -2.999+/-0.001 χ^2/NDF : 3808431.2/7

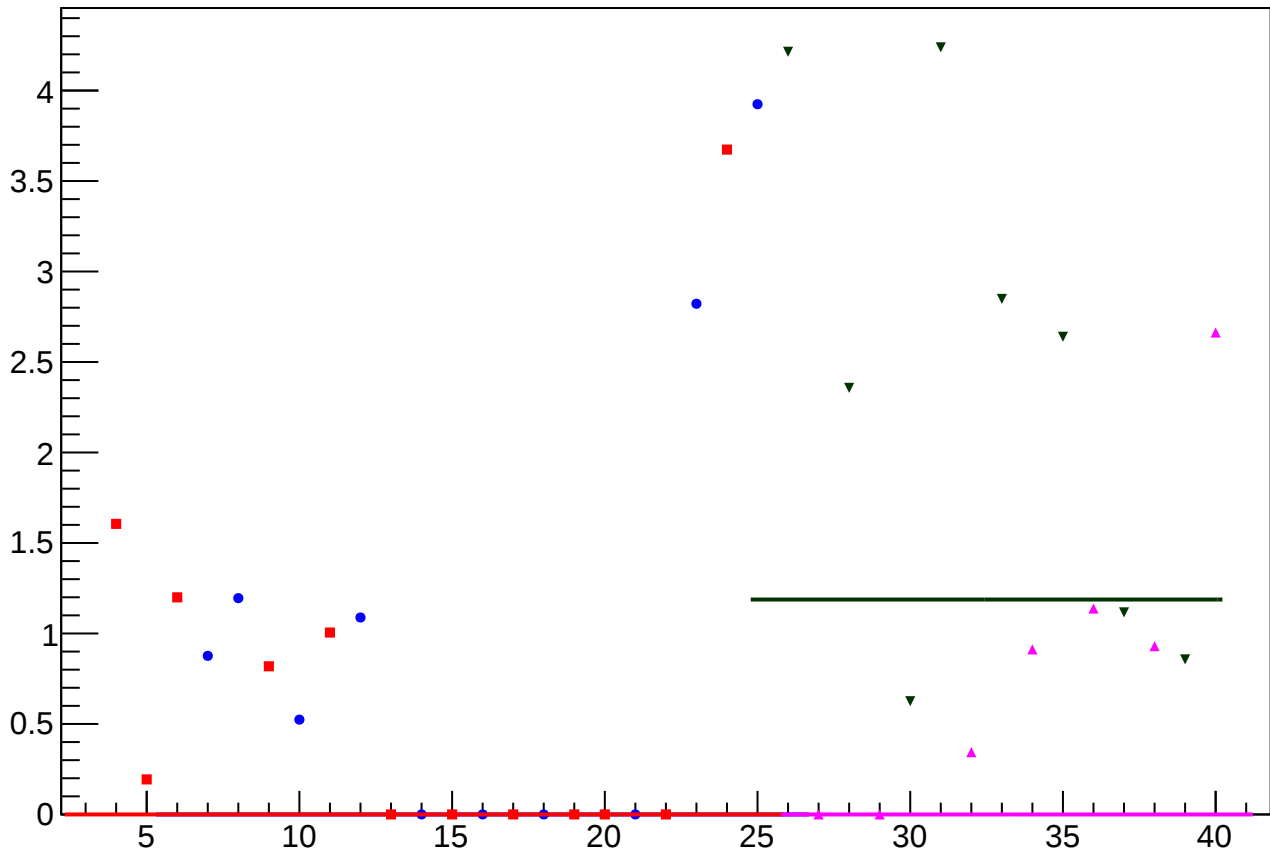
Right Out: -6.432+/-0.000 χ^2/NDF : 150837601506010.5/11

Left In: 6.578+/-0.000 χ^2/NDF : 467460169.0/6

-6.473+/-0.000 χ^2/NDF : 127847948460425.1/1

-6.315+/-0.000 χ^2/NDF : 297092095042702.0/1

yield_cav4bX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 4264427.3/9

Left Out: 1.188+/-0.001 χ^2/NDF : 2027387.3/7

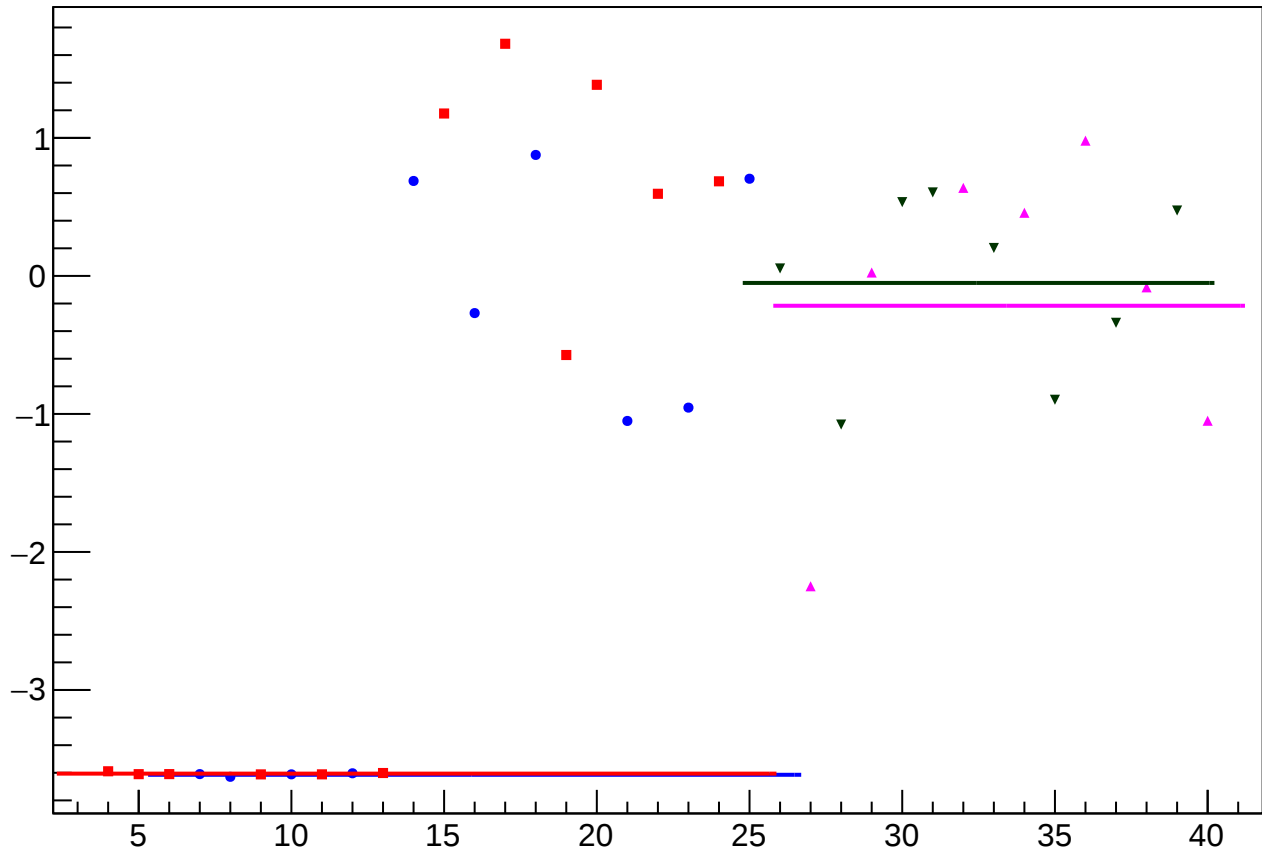
0.000+/-0.000 χ^2/NDF : 10280111.2/17

Right Out: 0.000+/-0.000 χ^2/NDF : 4072994.8/11

0.000+/-0.000 χ^2/NDF : 7152488.1/18

Left In: 0.000+/-0.000 χ^2/NDF : 3079432.7/6

yield_cav4bY_mean vs slug



Right In: -3.614+/-0.000 χ^2/NDF : 49061627309.8/9

-3.614+/-0.000 χ^2/NDF : 49133669452.0/17

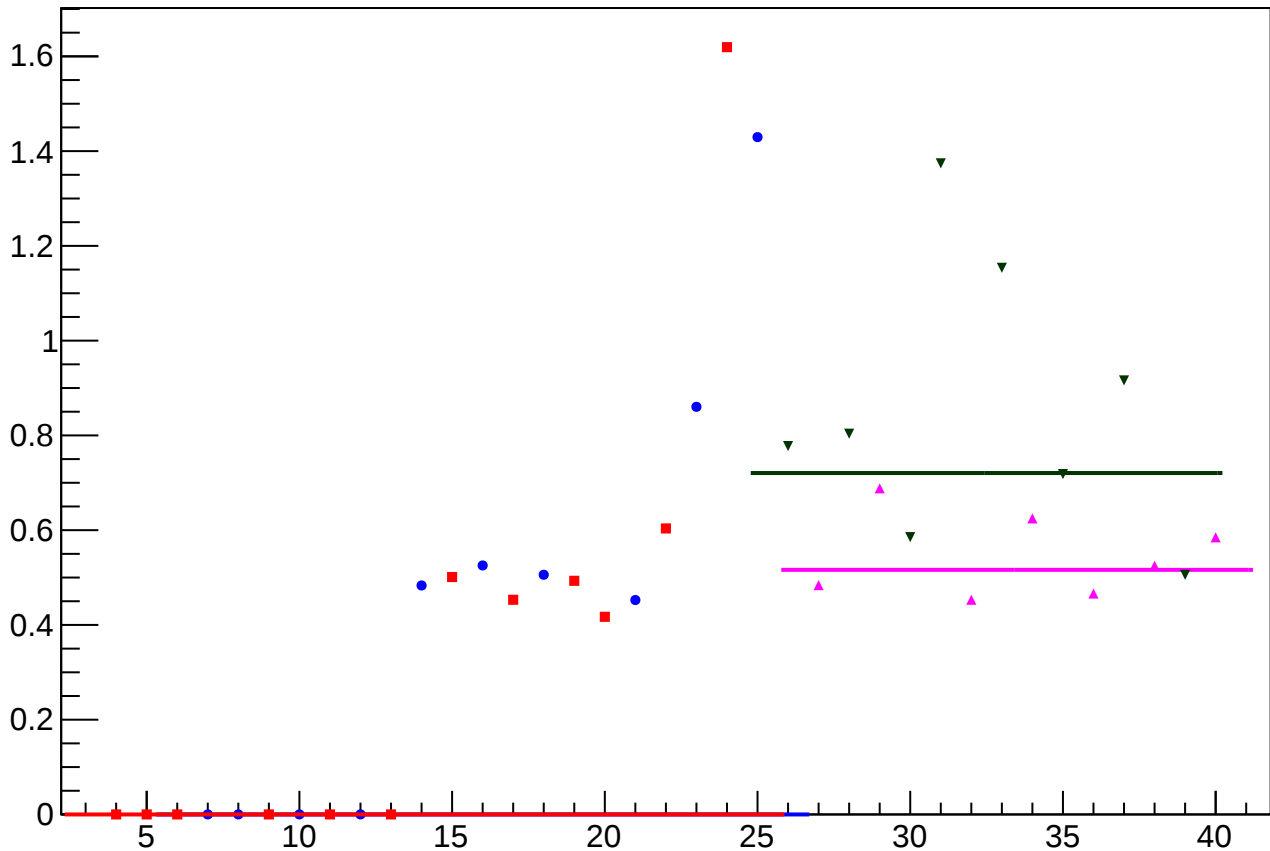
Left Out: -0.051+/-0.000 χ^2/NDF : 2183250.4/7

Right Out: -3.606+/-0.000 χ^2/NDF : 37750030407.7/11

-3.606+/-0.000 χ^2/NDF : 37895274176.1/18

Left In: -0.216+/-0.000 χ^2/NDF : 15472276.1/6

yield_cav4bY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 5803105.9/9

Left Out: 0.721+/-0.000 χ^2/NDF : 464008.3/7

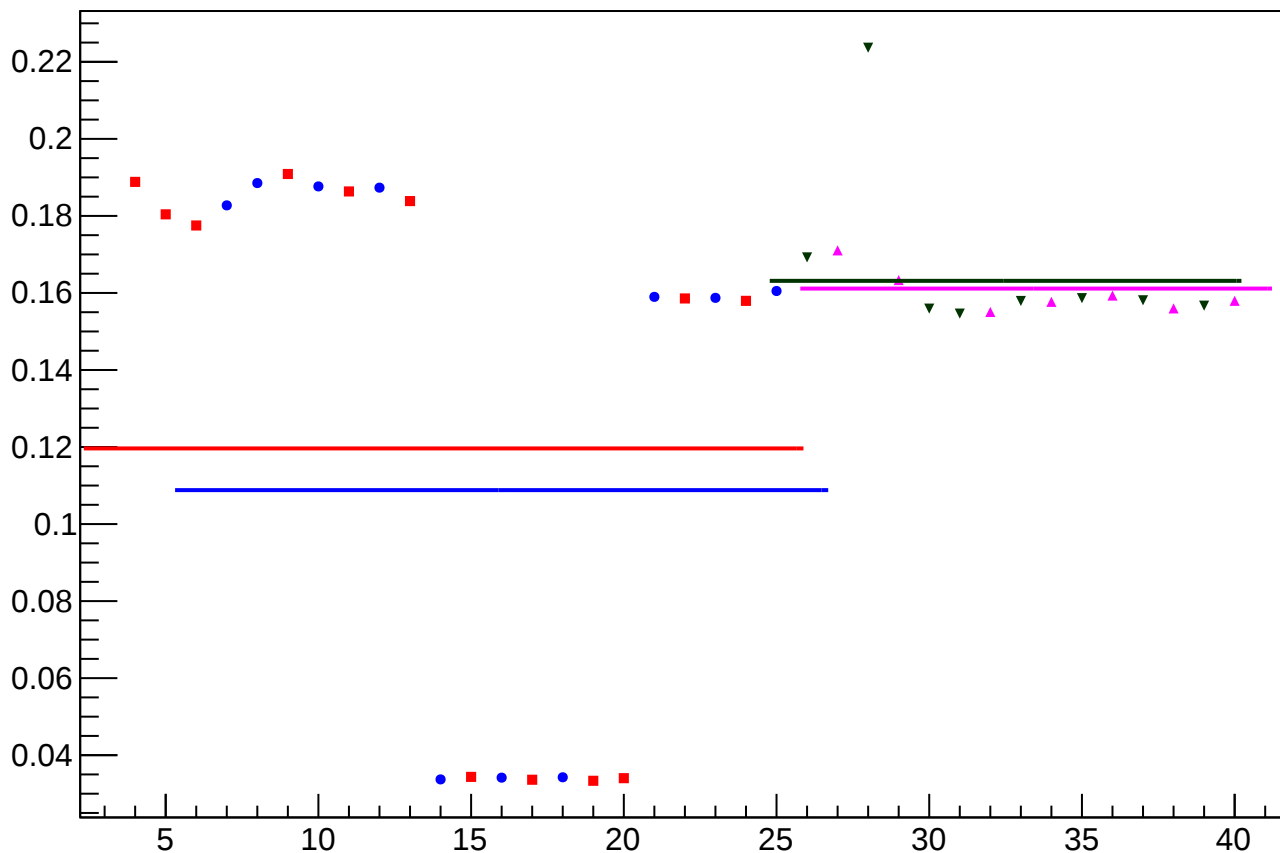
0.000+/-0.000 χ^2/NDF : 11978863.0/17

Right Out: 0.000+/-0.000 χ^2/NDF : 4205917.4/11

0.000+/-0.000 χ^2/NDF : 10354189.5/18

Left In: 0.516+/-0.000 χ^2/NDF : 130505.4/6

yield_cav4cX_mean vs slug



Right In: 0.109 $\pm$ 0.000 χ^2 /NDF: 4567388624.2/9

Left Out: 0.163 $\pm$ 0.000 χ^2 /NDF: 100752272.4/7

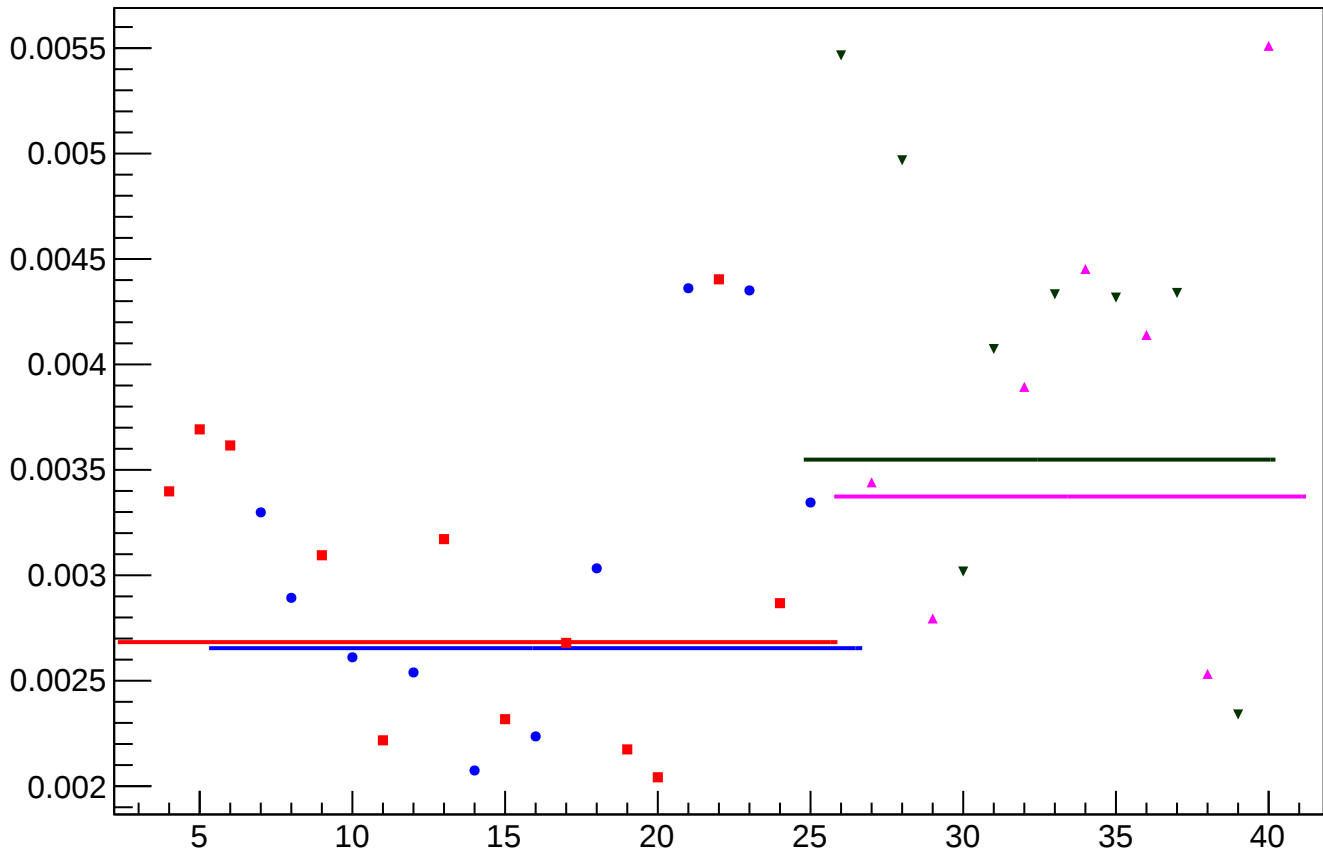
Right Out: 0.120 $\pm$ 0.000 χ^2 /NDF: 4203649870.8/11

Left In: 0.161 $\pm$ 0.000 χ^2 /NDF: 11393839.1/6

0.123 $\pm$ 0.000 χ^2 /NDF: 5304931871.4/17

0.132 $\pm$ 0.000 χ^2 /NDF: 4639327709.0/18

yield_cav4cX_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 639601.2/9

Left Out: 0.004+/-0.000 χ^2/NDF : 629204.7/7

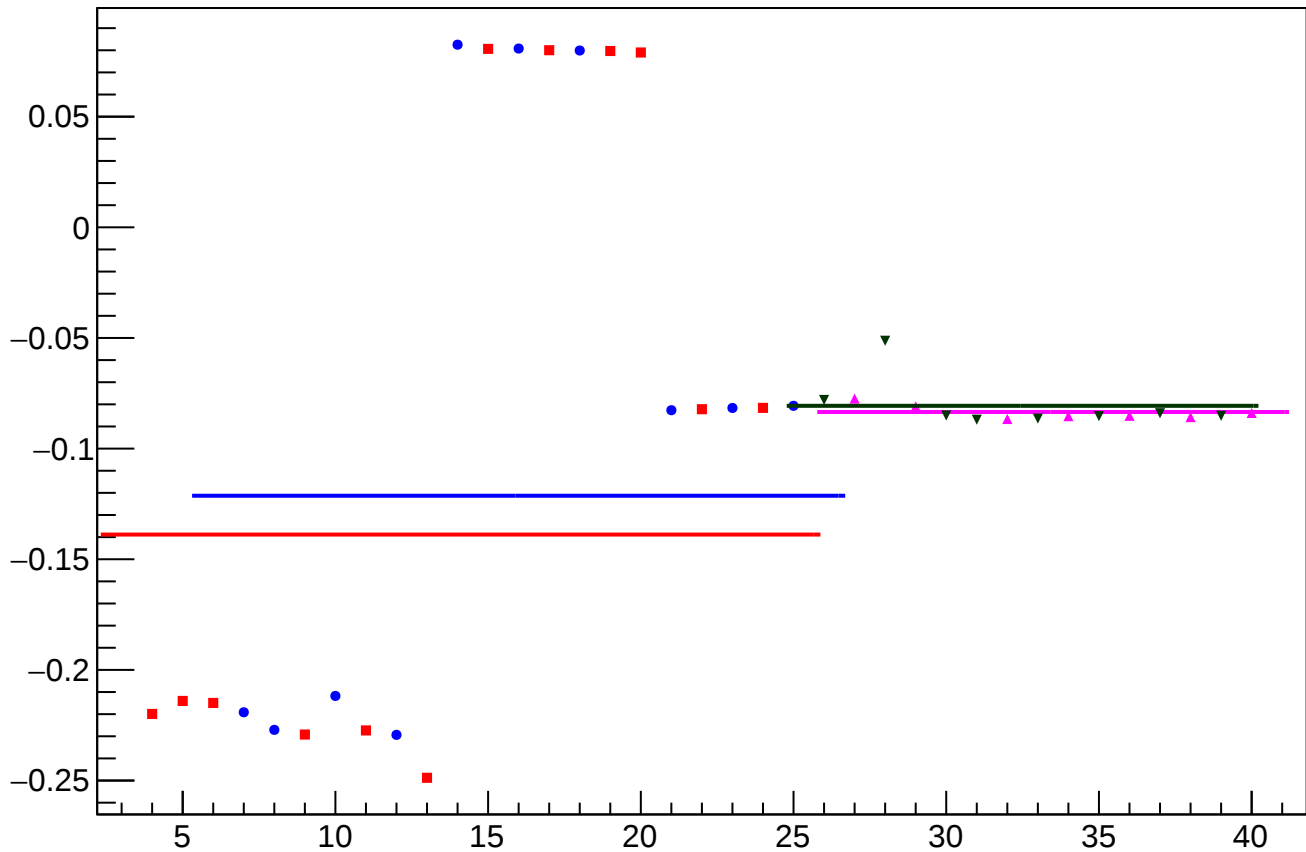
Right Out: 0.003+/-0.000 χ^2/NDF : 526292.2/11

Left In: 0.003+/-0.000 χ^2/NDF : 430208.6/6

0.003+/-0.000 χ^2/NDF : 1613758.4/17

0.003+/-0.000 χ^2/NDF : 1191358.3/18

yield_cav4cY_mean vs slug



Right In: -0.121+/-0.000 χ^2/NDF : 9521473366.6/9

Left Out: -0.081+/-0.000 χ^2/NDF : 34695328.6/7

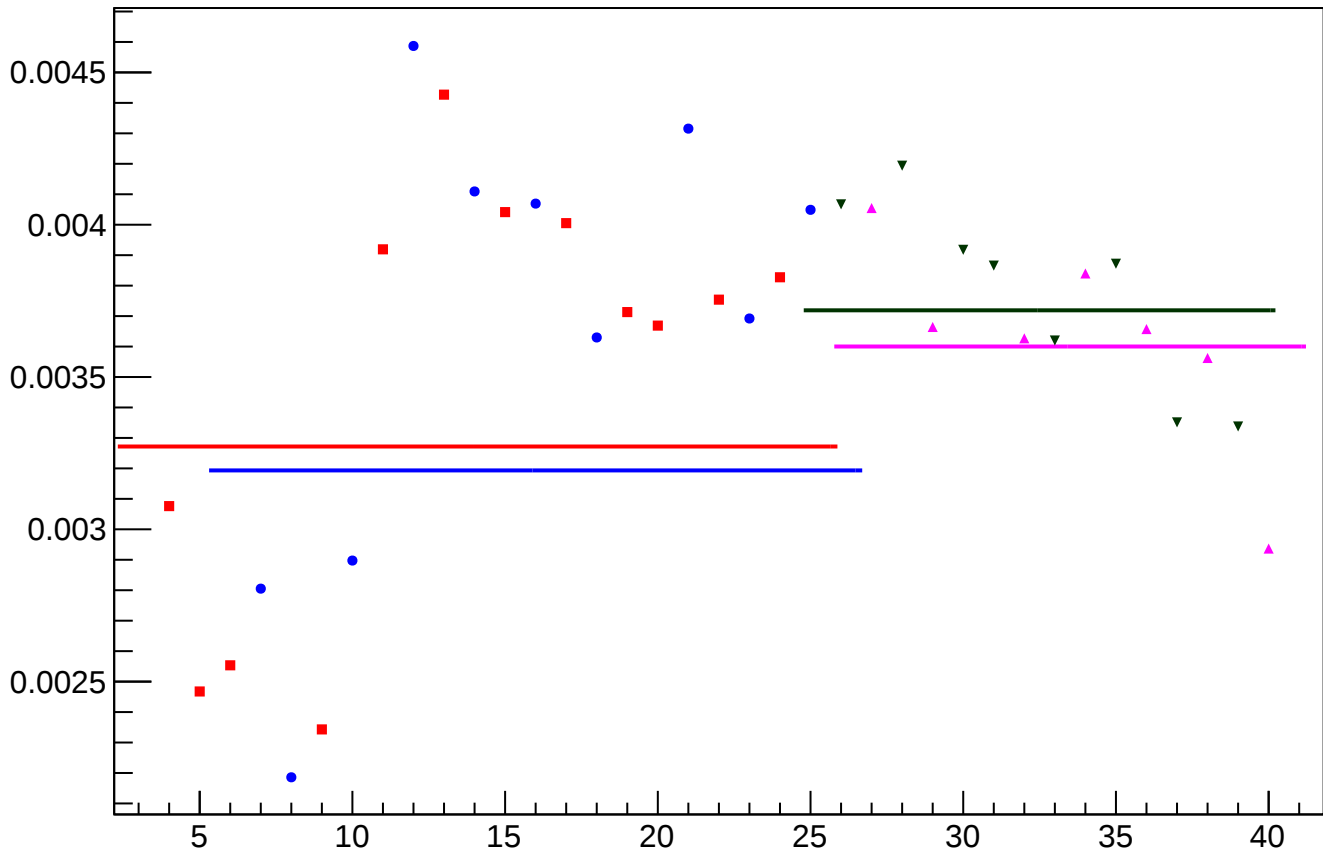
-0.107+/-0.000 χ^2/NDF : 9874084583.4/17

Right Out: -0.139+/-0.000 χ^2/NDF : 8617094052.4/11

-0.117+/-0.000 χ^2/NDF : 9258056680.7/18

Left In: -0.083+/-0.000 χ^2/NDF : 3361252.5/6

yield_cav4cY_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 816109.2/9

Left Out: 0.004+/-0.000 χ^2/NDF : 56482.5/7

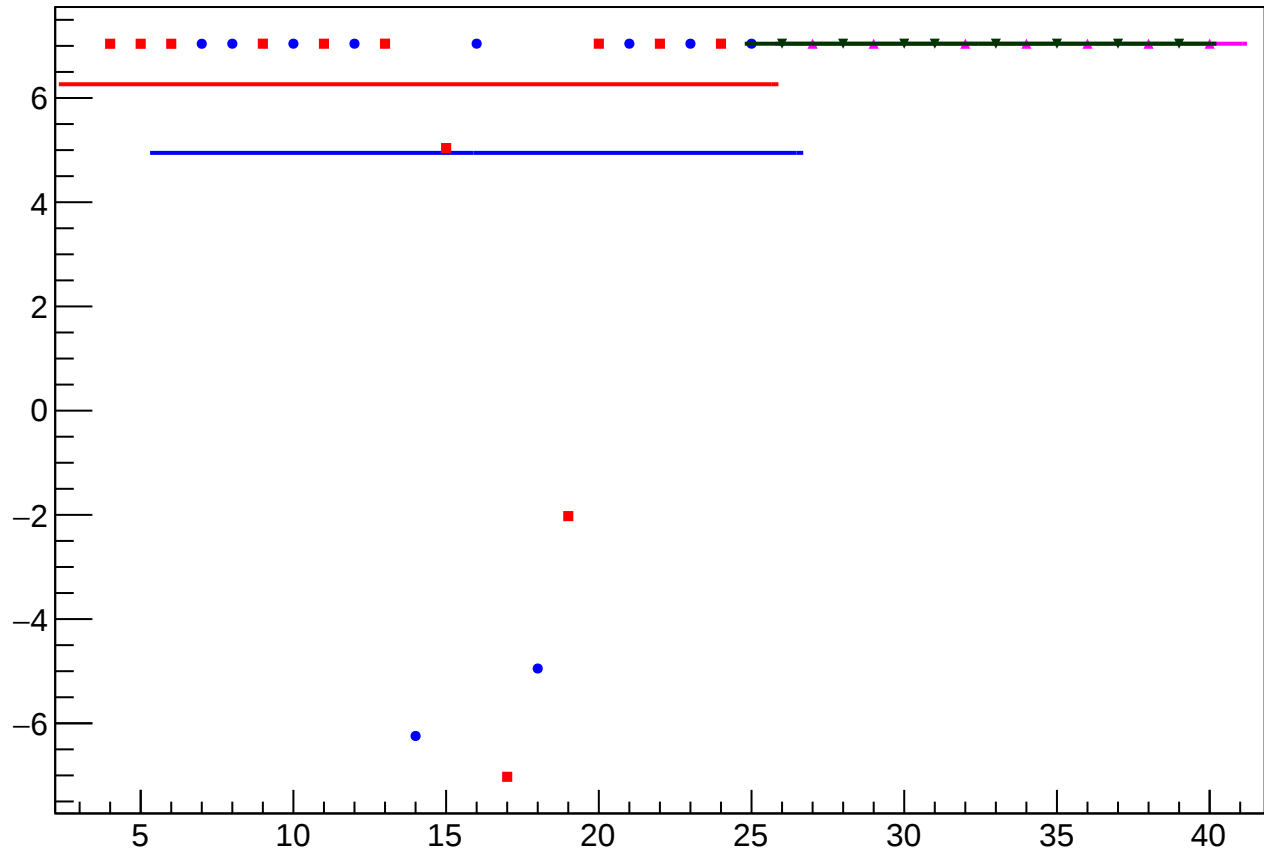
0.003+/-0.000 χ^2/NDF : 978956.6/17

Right Out: 0.003+/-0.000 χ^2/NDF : 615311.7/11

0.003+/-0.000 χ^2/NDF : 734991.0/18

Left In: 0.004+/-0.000 χ^2/NDF : 74867.7/6

yield_cav4dX_mean vs slug



Right In: 4.947 $\pm$ 0.000 χ^2 /NDF: 4224474165211712.0/9

5.925 $\pm$ 0.000 χ^2 /NDF: 4601773106151352.0/1

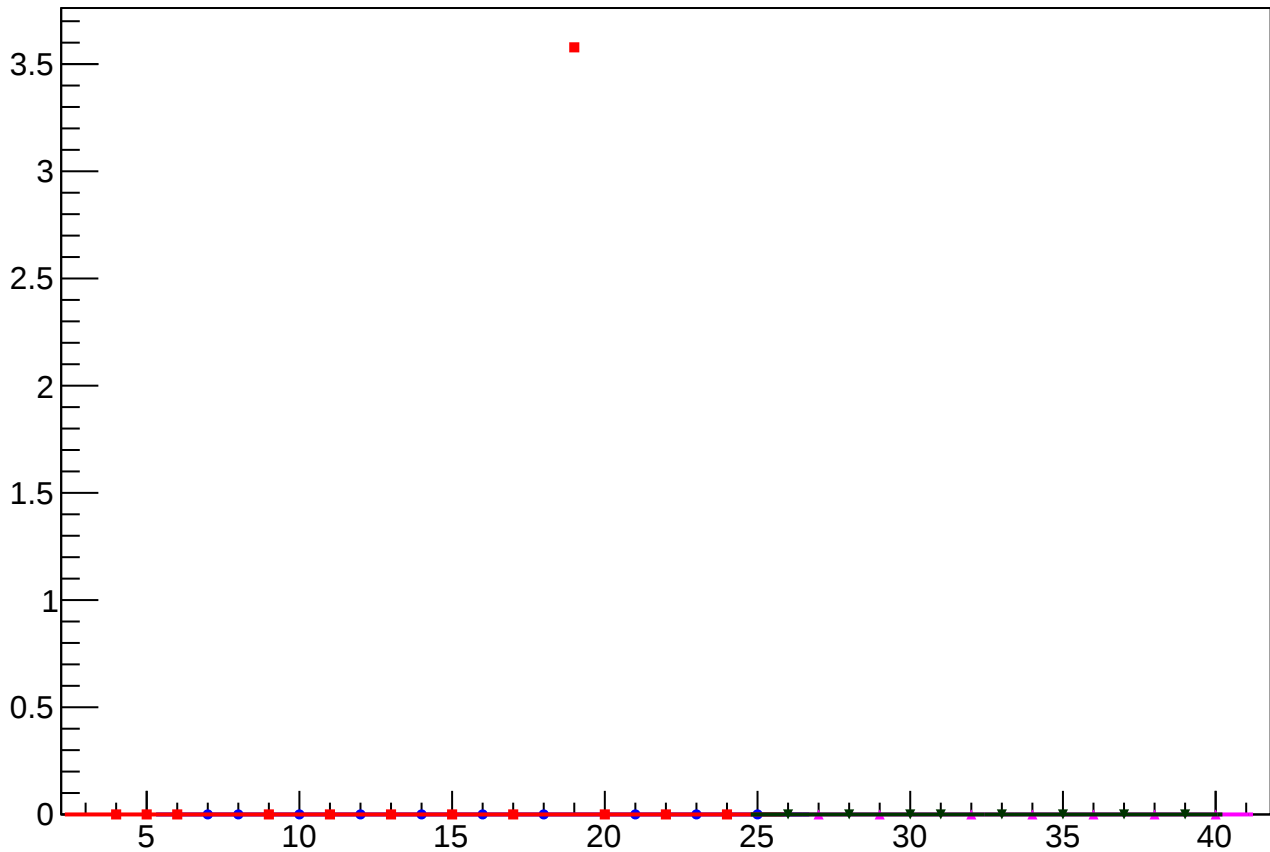
Left Out: 7.042 $\pm$ 0.000 χ^2 /NDF: 725617.4/7

Right Out: 6.264 $\pm$ 0.000 χ^2 /NDF: 1812076141929126.0/11

6.648 $\pm$ 0.000 χ^2 /NDF: 1866087633338637.5/1

Left In: 7.042 $\pm$ 0.000 χ^2 /NDF: 512220.8/6

yield_cav4dX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 2529.8/9

Left Out: 0.000+/-0.000 χ^2/NDF :1239.4/7

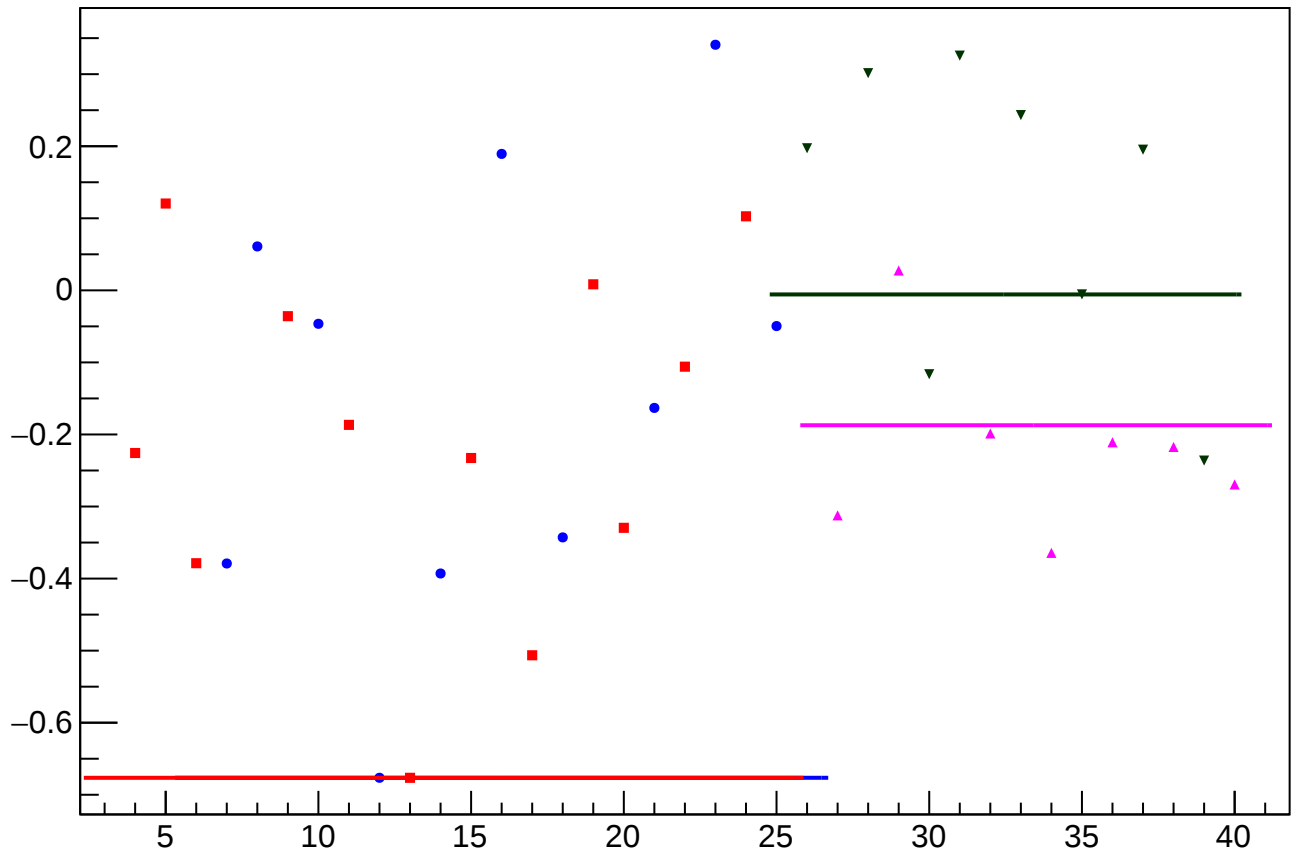
Right Out: 0.000+/-0.000 χ^2/NDF : 696528.7/11

Left In: 0.000+/-0.000 χ^2/NDF :1199.2/6

0.000+/-0.000 χ^2/NDF : 4407.4/17

0.000+/-0.000 χ^2/NDF : 700178.6/18

yield_cav4dY_mean vs slug



Right In: -0.676+/-0.000 χ^2/NDF : 214817629.7/9

Left Out: -0.006+/-0.000 χ^2/NDF :15322279.8/7

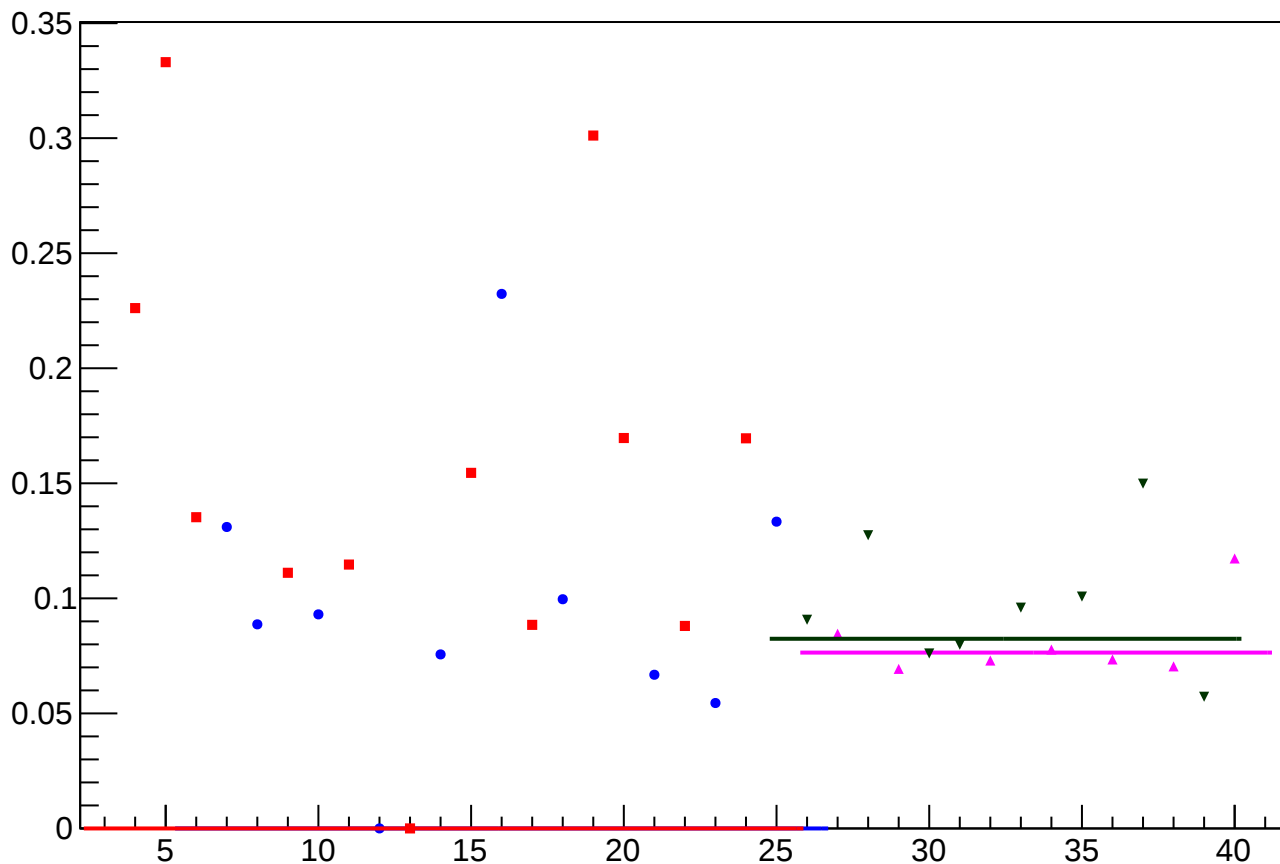
Right Out: -0.676+/-0.000 χ^2/NDF : 65929973.4/11

Left In: -0.187+/-0.000 χ^2/NDF :7127151.3/6

-0.676+/-0.000 χ^2/NDF : 373053505.9/17

-0.676+/-0.000 χ^2/NDF : 178444686.4/18

yield_cav4dY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 8329805.9/9

Left Out: 0.082+/-0.000 χ^2/NDF : 406707.8/7

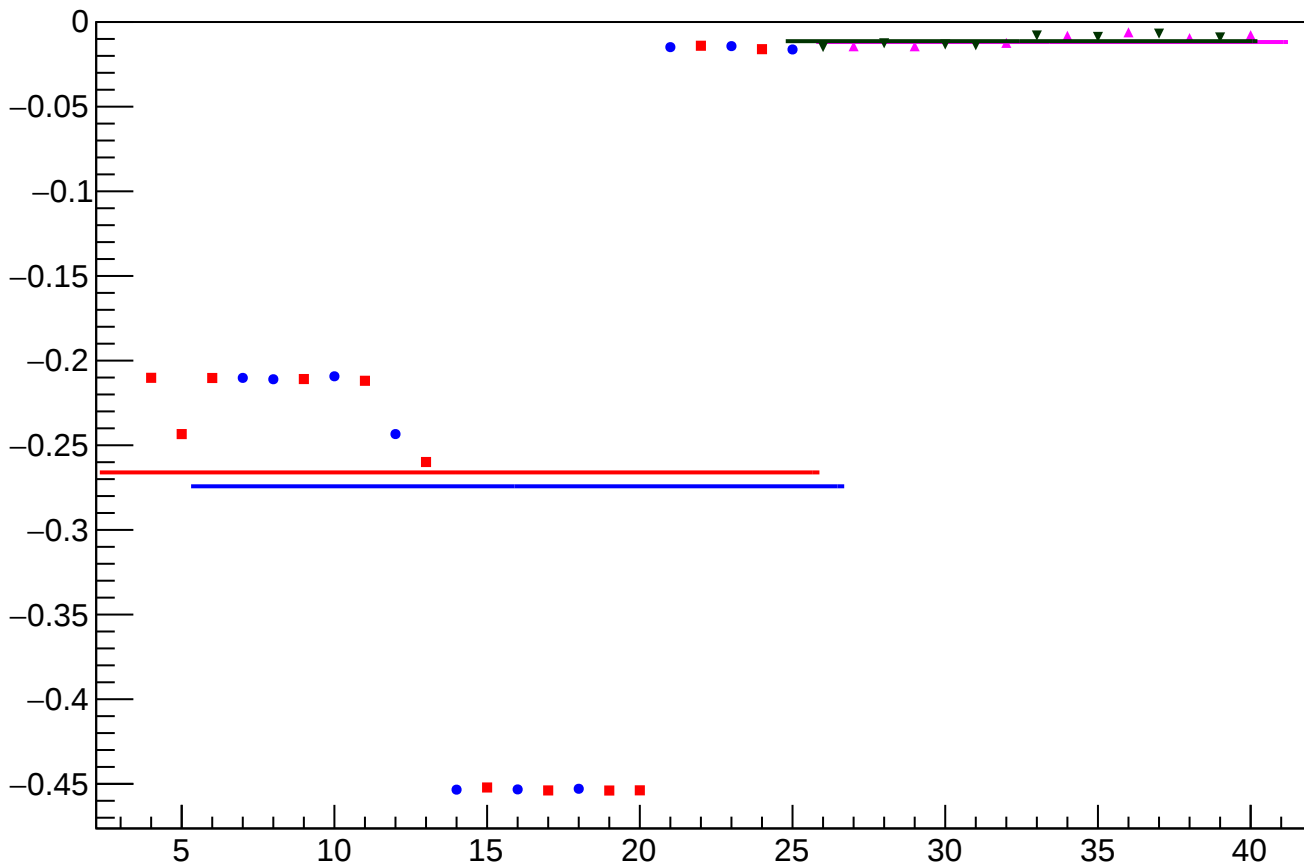
Right Out: 0.000+/-0.000 χ^2/NDF : 8085708.6/11

Left In: 0.076+/-0.000 χ^2/NDF : 102703.3/6

0.000+/-0.000 χ^2/NDF : 13051897.6/17

0.000+/-0.000 χ^2/NDF : 13329871.1/18

yield_bpm4aX_mean vs slug



Right In: -0.274+/-0.000 χ^2/NDF : 3355082930.6/9

Left Out: -0.011+/-0.000 χ^2/NDF : 386746.8/7

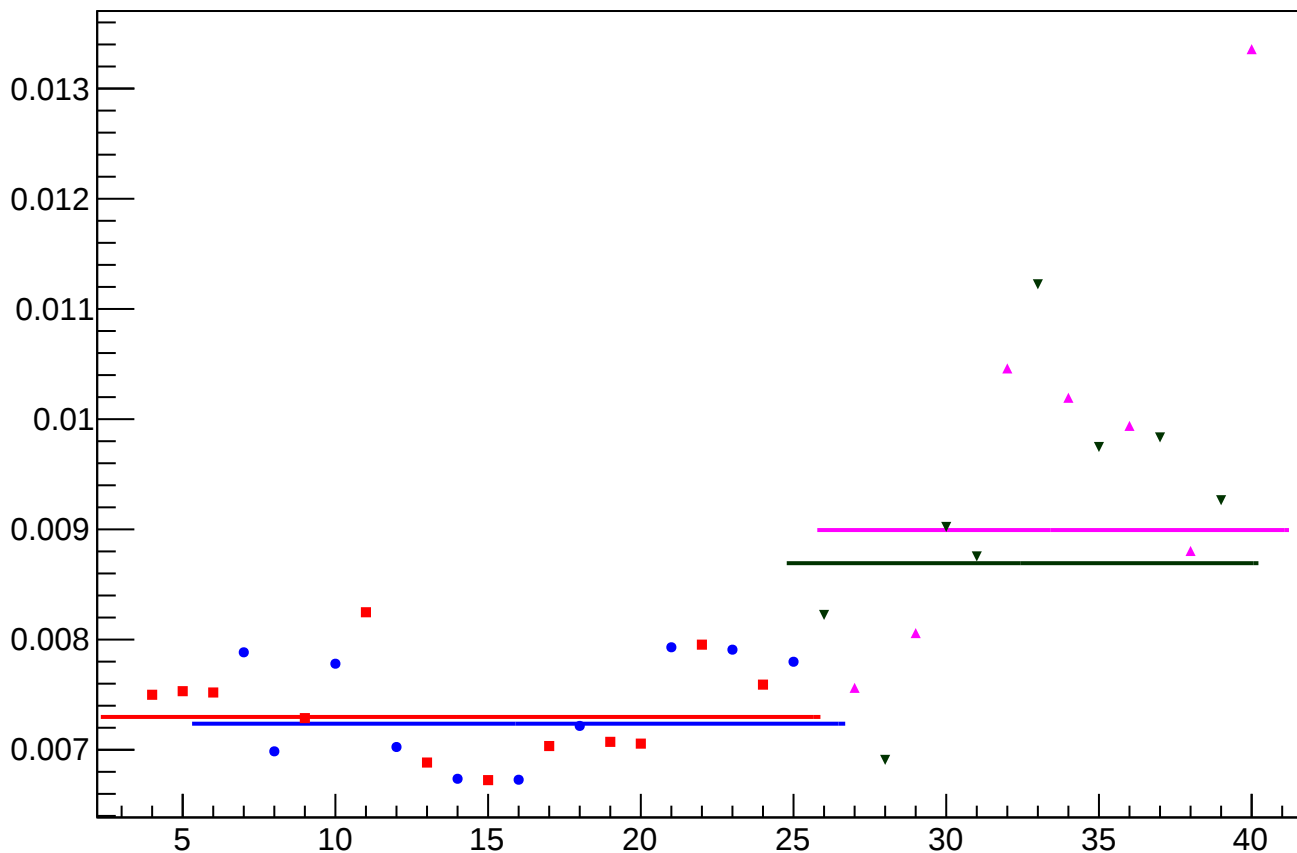
-0.193+/-0.000 χ^2/NDF : 5949256836.8/17

Right Out: -0.266+/-0.000 χ^2/NDF : 2610218769.9/11

-0.187+/-0.000 χ^2/NDF : 5017695656.0/18

Left In: -0.012+/-0.000 χ^2/NDF : 478706.1/6

yield_bpm4aX_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 54029.4/9

Left Out: 0.009+/-0.000 χ^2/NDF :176268.8/7

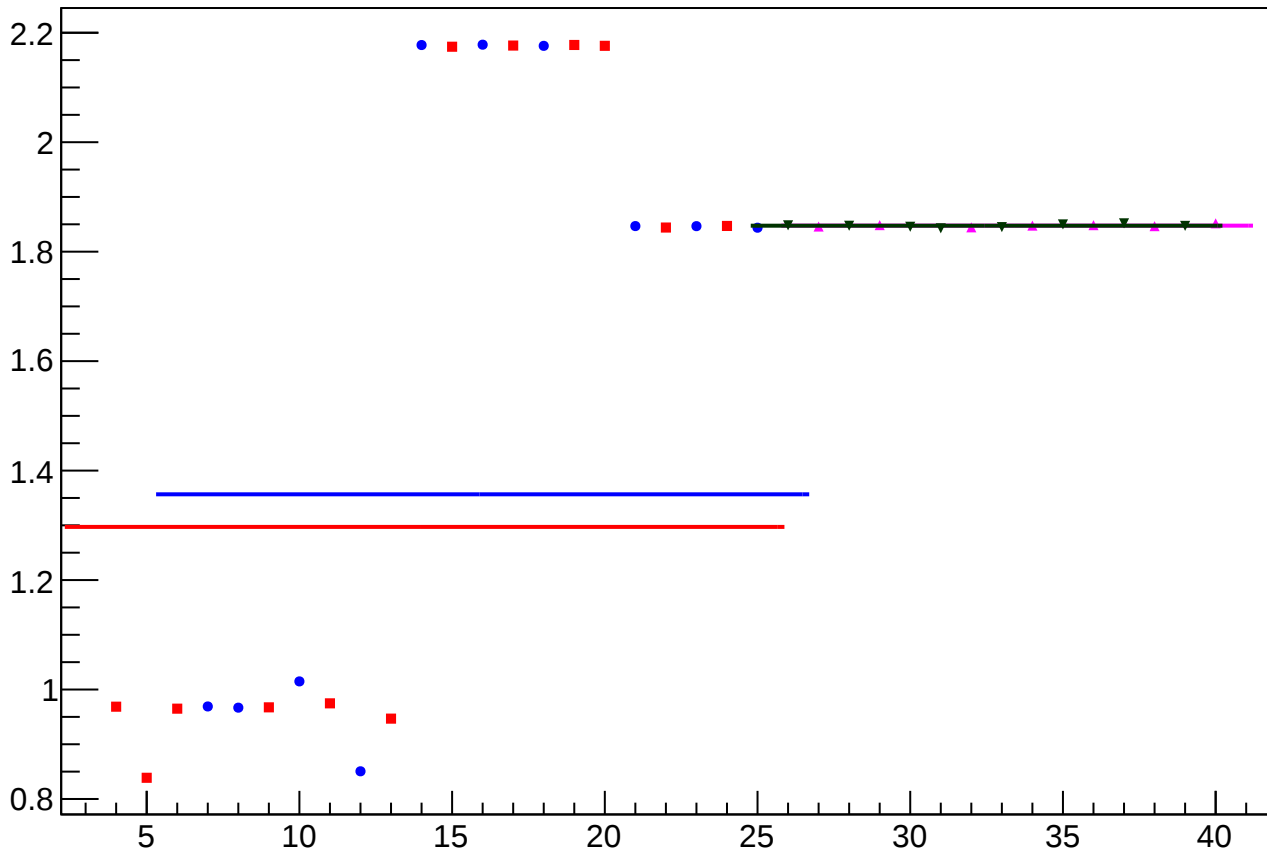
Right Out: 0.007+/-0.000 χ^2/NDF : 46835.5/11

Left In: 0.009+/-0.000 χ^2/NDF :243695.8/6

0.008+/-0.000 χ^2/NDF : 389480.8/17

0.008+/-0.000 χ^2/NDF : 504743.6/18

yield_bpm4aY_mean vs slug



Right In: 1.357+/-0.000 χ^2/NDF : 12373287295.8/9

Left Out: 1.847+/-0.000 χ^2/NDF : 129287.1/7

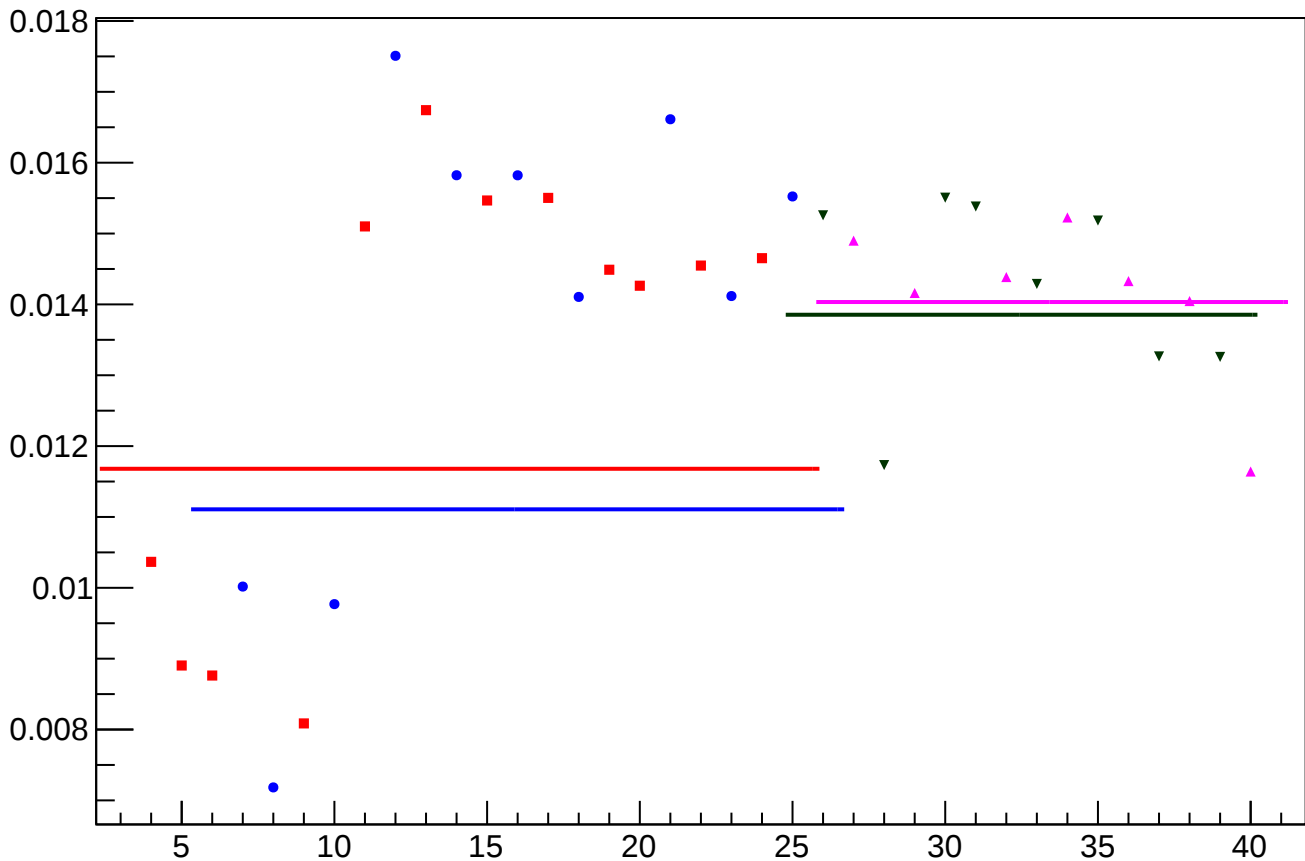
1.513+/-0.000 χ^2/NDF : 15803010383.2/17

Right Out: 1.297+/-0.000 χ^2/NDF : 10947439943.1/11

1.490+/-0.000 χ^2/NDF : 15385090224.6/18

Left In: 1.848+/-0.000 χ^2/NDF : 122055.5/6

yield_bpm4aY_rms vs slug



Right In: 0.011+/-0.000 χ^2/NDF : 1302674.8/9

Left Out: 0.014+/-0.000 χ^2/NDF : 78011.6/7

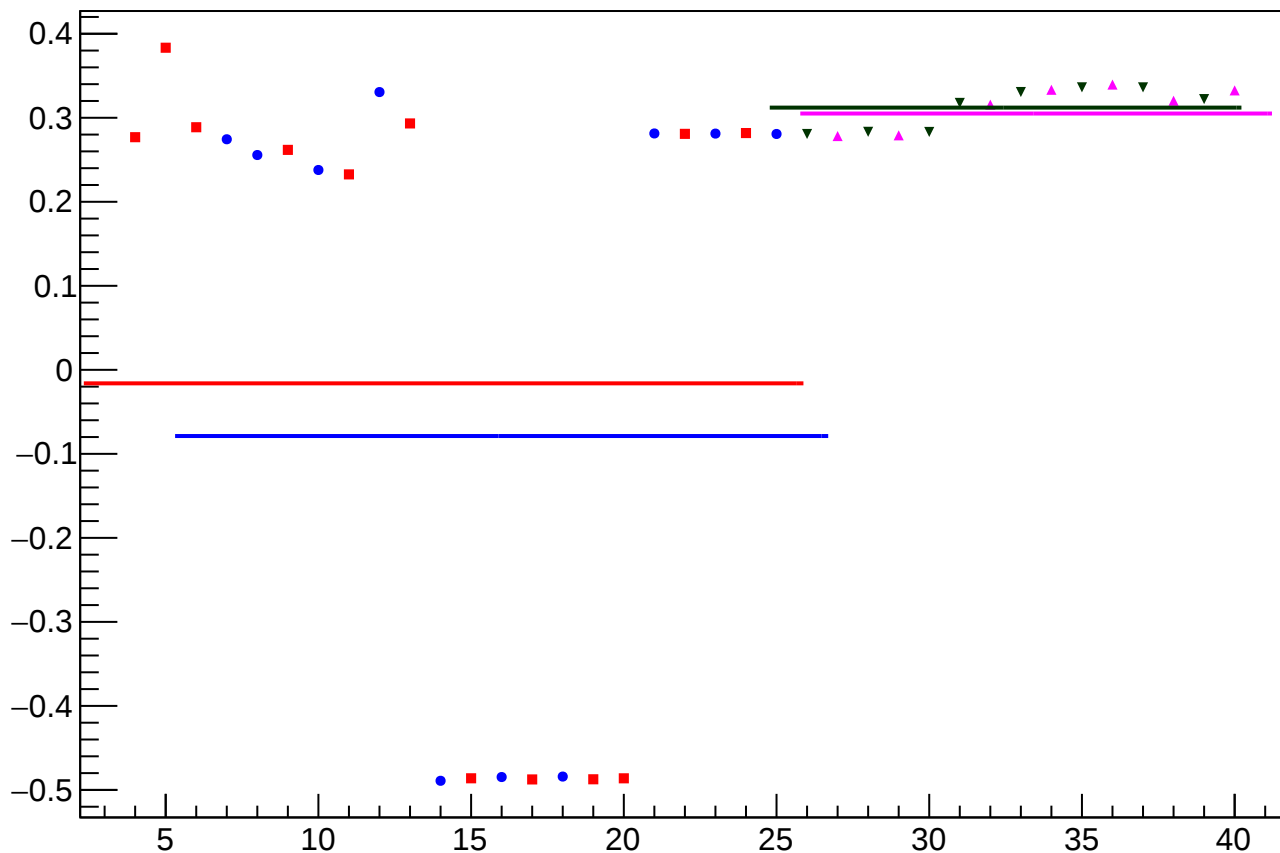
Right Out: 0.012+/-0.000 χ^2/NDF : 930559.5/11

Left In: 0.014+/-0.000 χ^2/NDF : 54092.4/6

0.012+/-0.000 χ^2/NDF : 1595463.5/17

0.013+/-0.000 χ^2/NDF : 1146908.7/18

yield_bpm4eX_mean vs slug



Right In: -0.079+/-0.000 χ^2/NDF : 2891377449.8/9

Left Out: 0.312+/-0.000 χ^2/NDF : 4653829.5/7

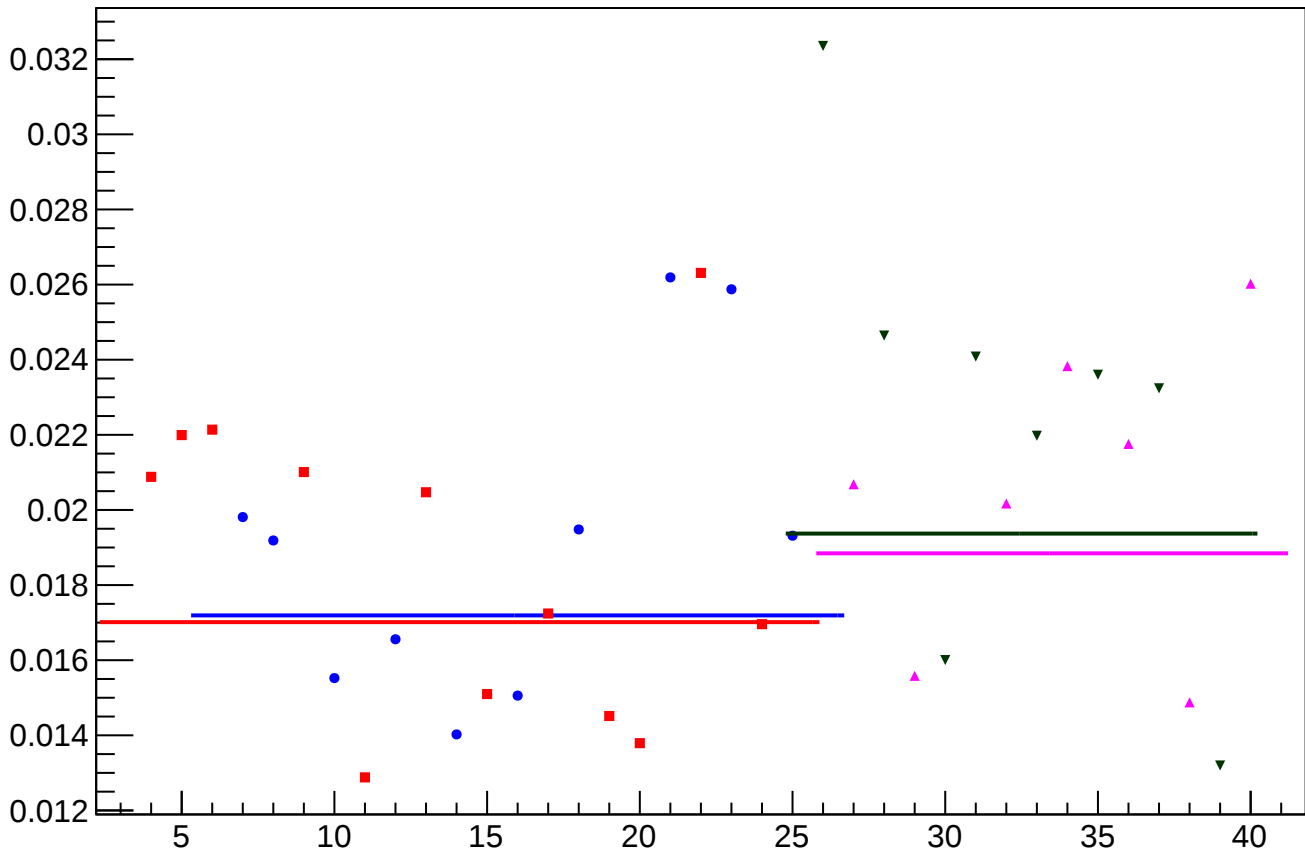
Right Out: -0.016+/-0.000 χ^2/NDF : 2739143286.6/11

Left In: 0.305+/-0.000 χ^2/NDF : 6535082.0/6

0.050+/-0.000 χ^2/NDF : 3908890115.8/17

0.100+/-0.000 χ^2/NDF : 3506543484.7/18

yield_bpm4eX_rms vs slug



Right In: 0.017+/-0.000 χ^2/NDF : 479022.3/9

Left Out: 0.019+/-0.000 χ^2/NDF : 584827.2/7

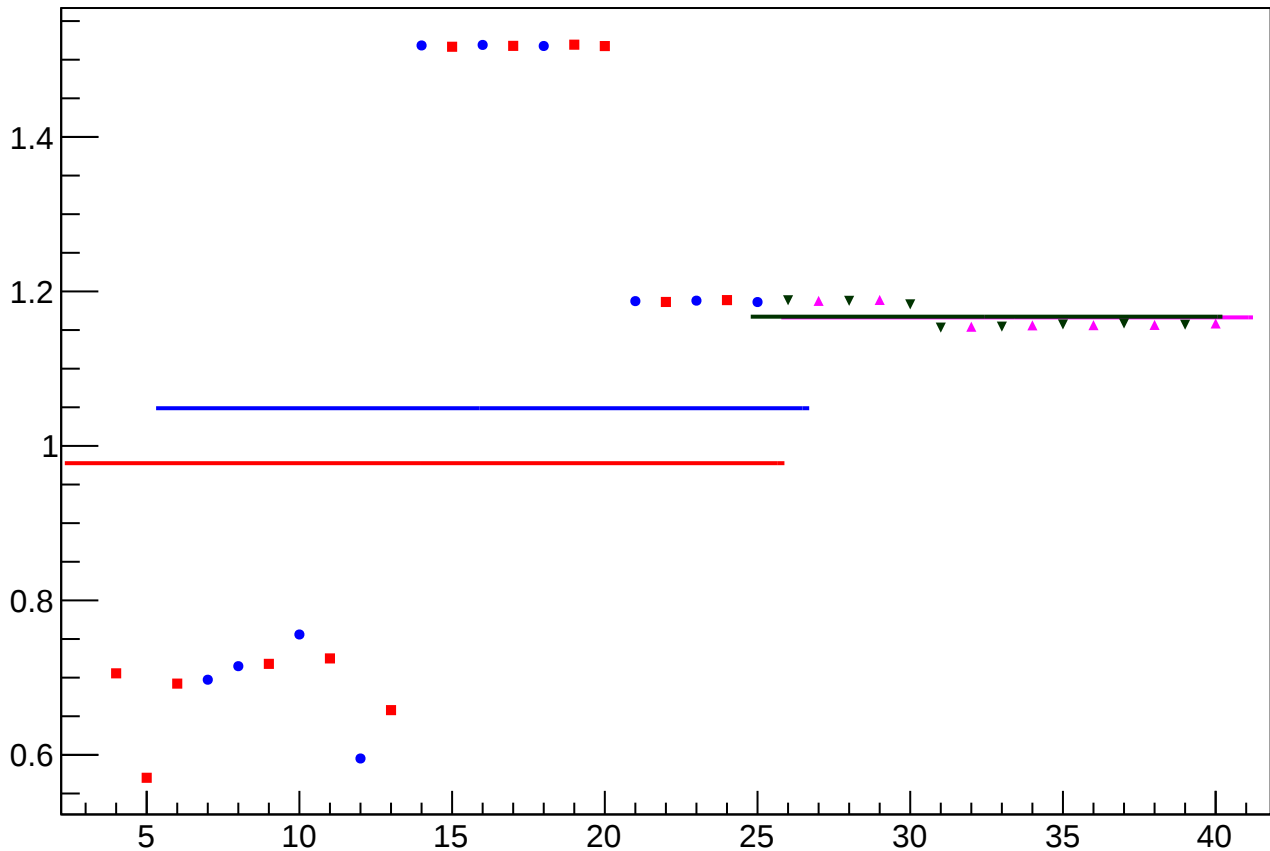
0.018+/-0.000 χ^2/NDF : 1126768.4/17

Right Out: 0.017+/-0.000 χ^2/NDF : 541970.9/11

0.018+/-0.000 χ^2/NDF : 875112.5/18

Left In: 0.019+/-0.000 χ^2/NDF : 283622.0/6

yield_bpm4eY_mean vs slug



Right In: 1.049+/-0.000 χ^2/NDF : 10266738028.3/9

Left Out: 1.167+/-0.000 χ^2/NDF :11188252.0/7

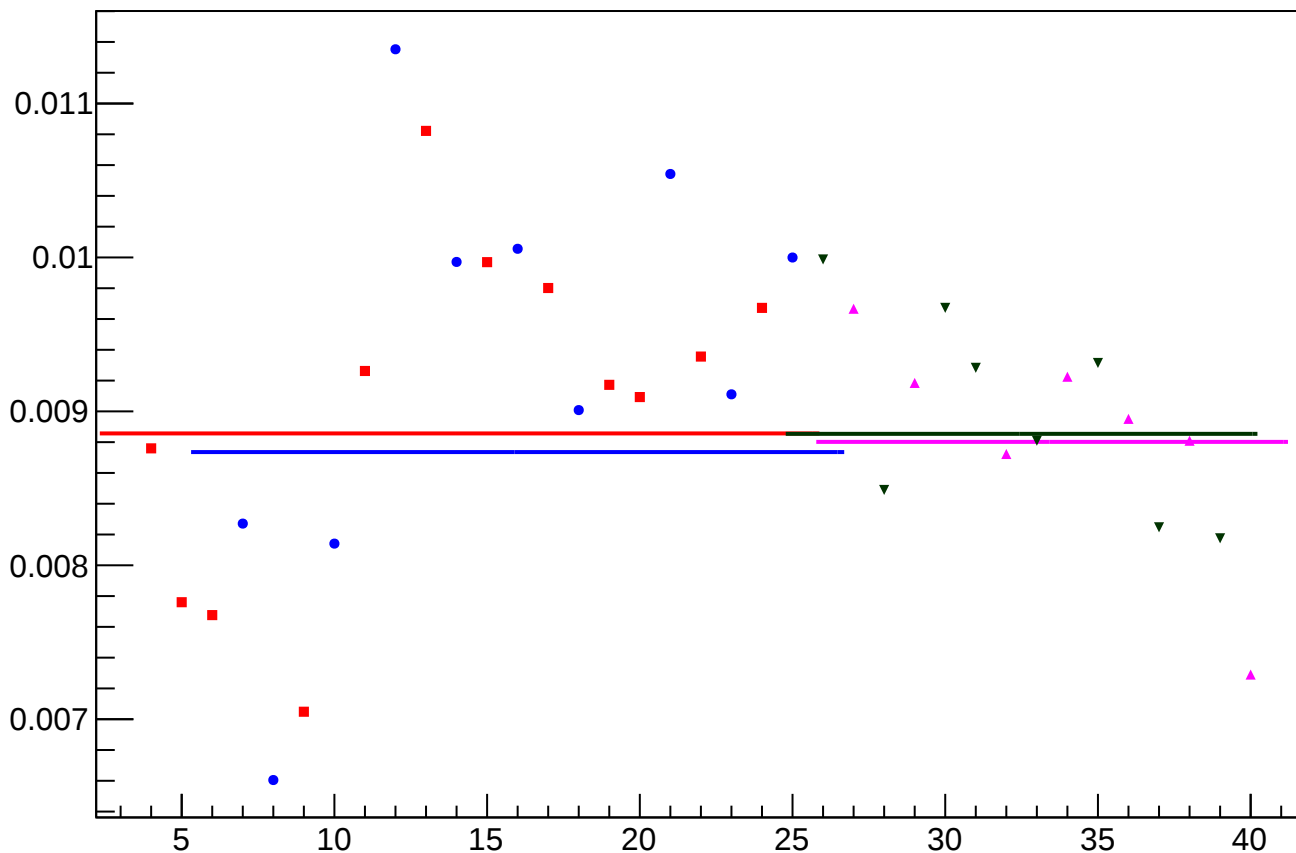
1.096+/-0.000 χ^2/NDF : 10718500741.7/17

Right Out: 0.978+/-0.000 χ^2/NDF : 9897401284.9/11

1.058+/-0.000 χ^2/NDF : 11078226999.1/18

Left In: 1.166+/-0.000 χ^2/NDF :12781344.0/6

yield_bpm4eY_rms vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 359497.5/9

Left Out: 0.009+/-0.000 χ^2/NDF : 39682.9/7

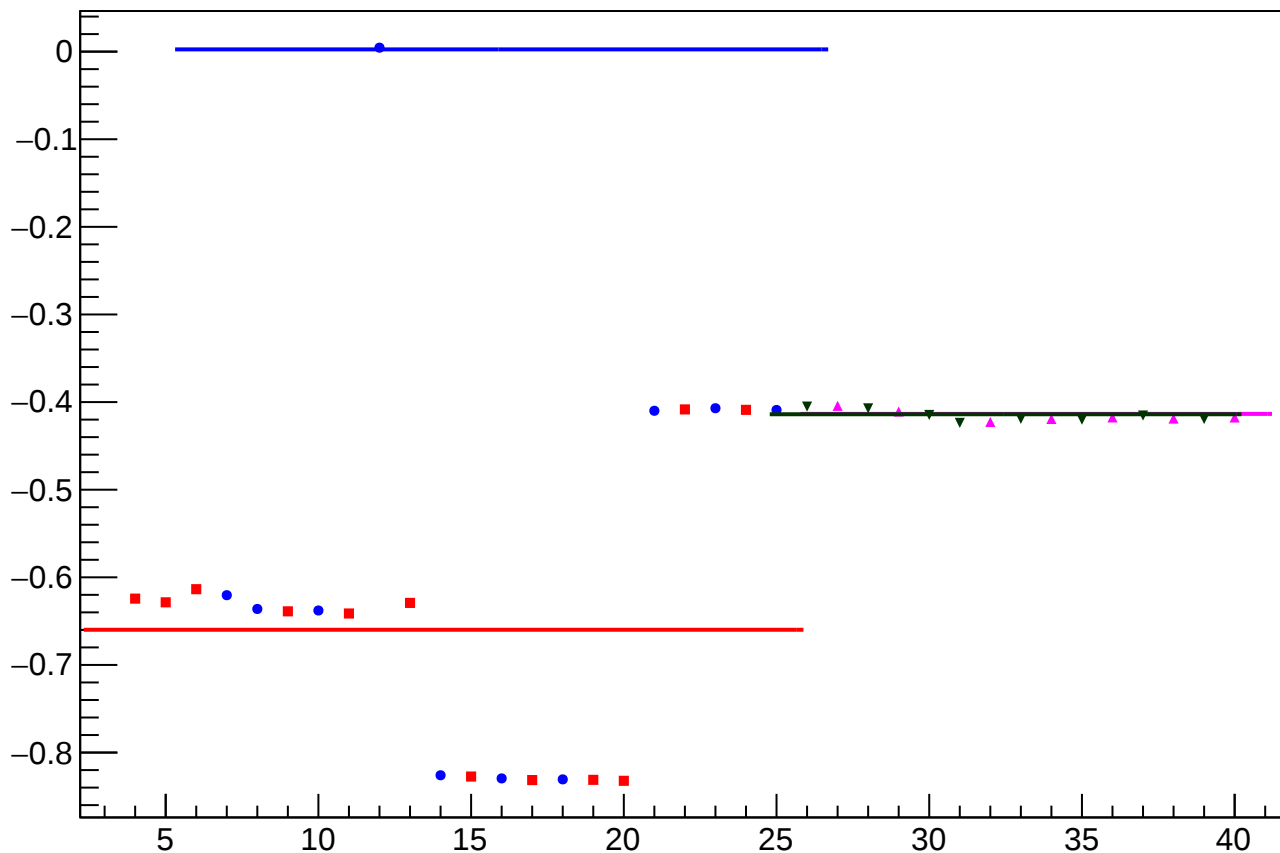
Right Out: 0.009+/-0.000 χ^2/NDF : 223846.5/11

Left In: 0.009+/-0.000 χ^2/NDF : 59541.6/6

0.009+/-0.000 χ^2/NDF : 400060.5/17

0.009+/-0.000 χ^2/NDF : 283586.1/18

yield_bpm4acX_mean vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 51925247581.1/9

Left Out: -0.414+/-0.000 χ^2/NDF : 2117483.2/7

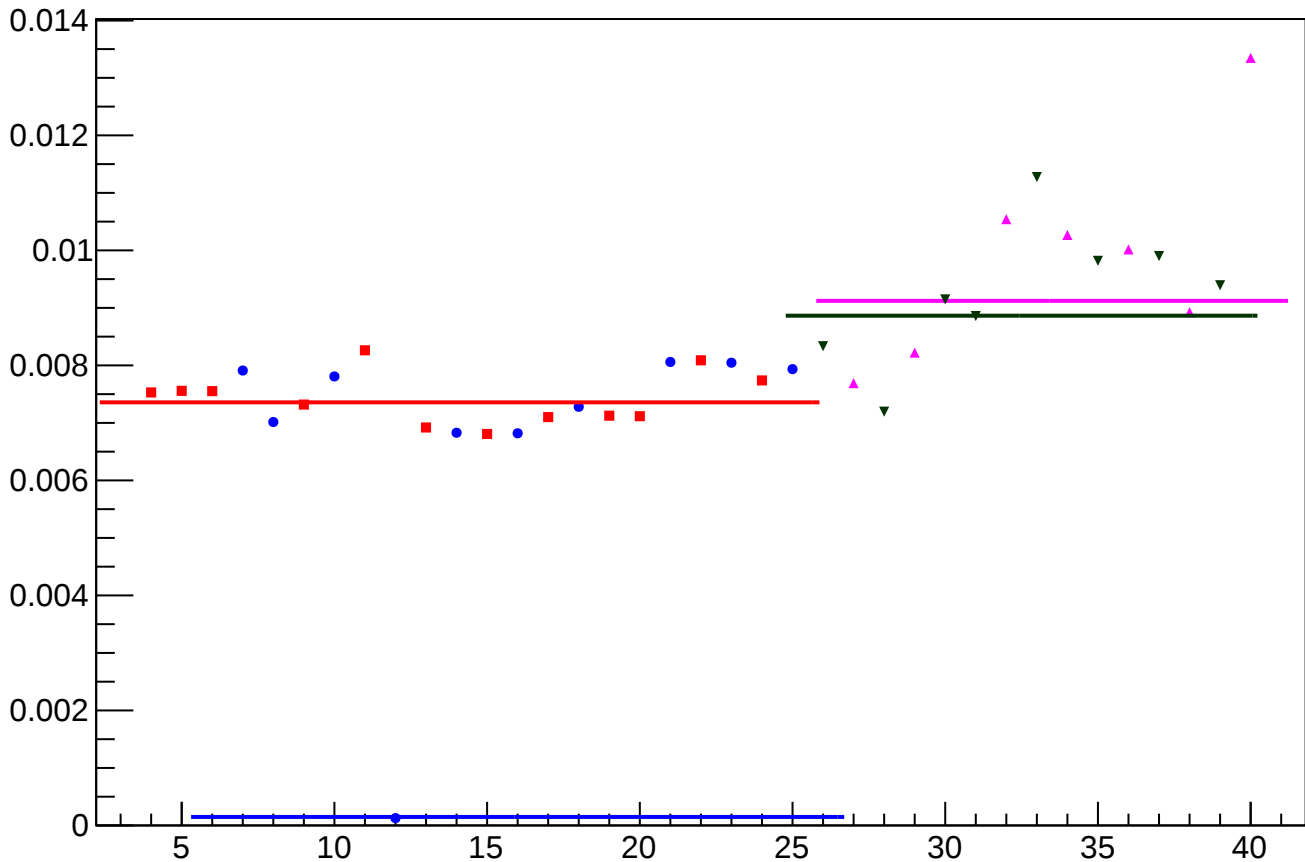
Right Out: -0.660+/-0.000 χ^2/NDF : 2254569212.9/11

Left In: -0.413+/-0.000 χ^2/NDF : 2418924.1/6

0.002+/-0.000 χ^2/NDF : 61019380912.0/17

-0.583+/-0.000 χ^2/NDF : 4467234432.0/18

yield_bpm4acX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 11156093.4/9

Left Out: 0.009+/-0.000 χ^2/NDF :149201.1/7

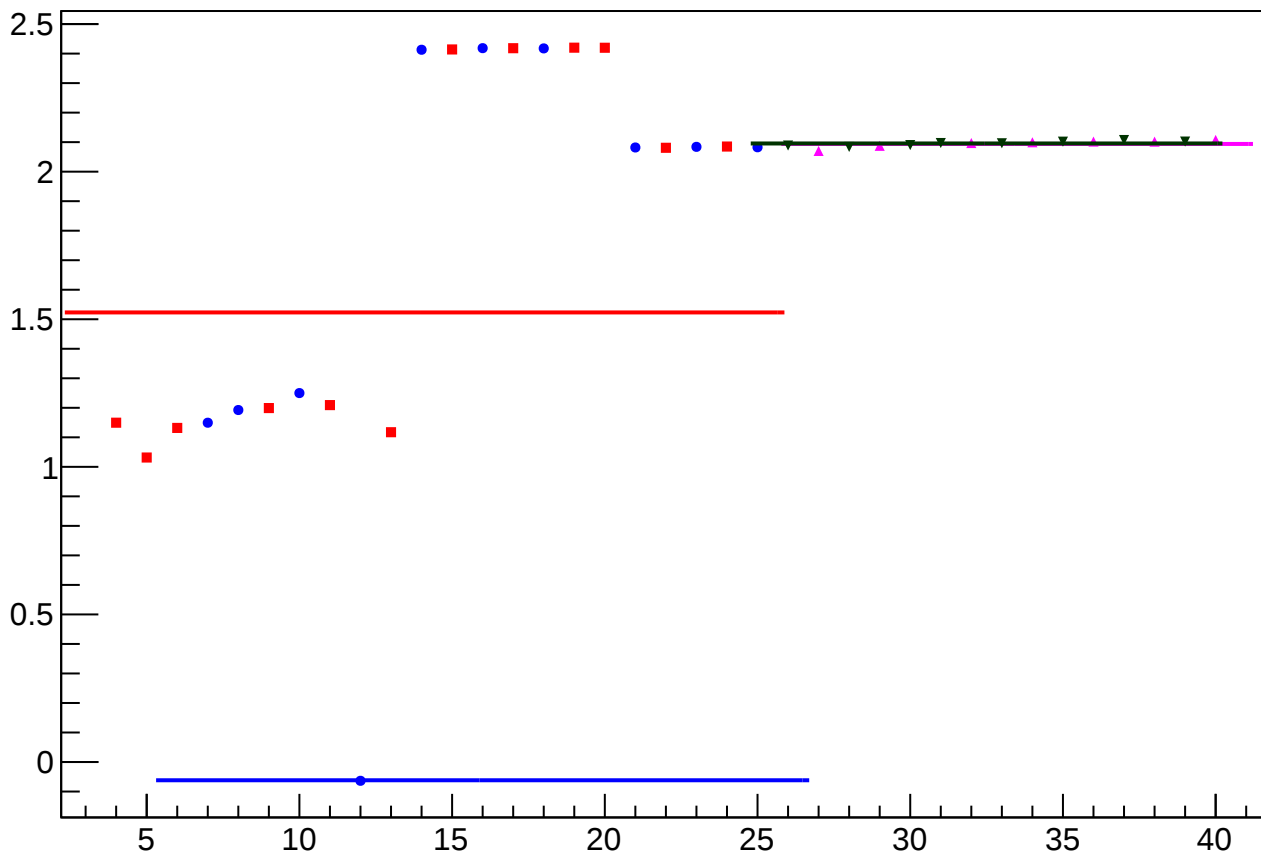
Right Out: 0.007+/-0.000 χ^2/NDF : 46926.6/11

Left In: 0.009+/-0.000 χ^2/NDF :227958.7/6

0.000+/-0.000 χ^2/NDF : 19271741.4/17

0.008+/-0.000 χ^2/NDF : 501682.8/18

yield_bpm4acY_mean vs slug



Right In: -0.062+/-0.000 χ^2/NDF : 126997111883.8/9

Left Out: 2.095+/-0.000 χ^2/NDF :1336864.3/7

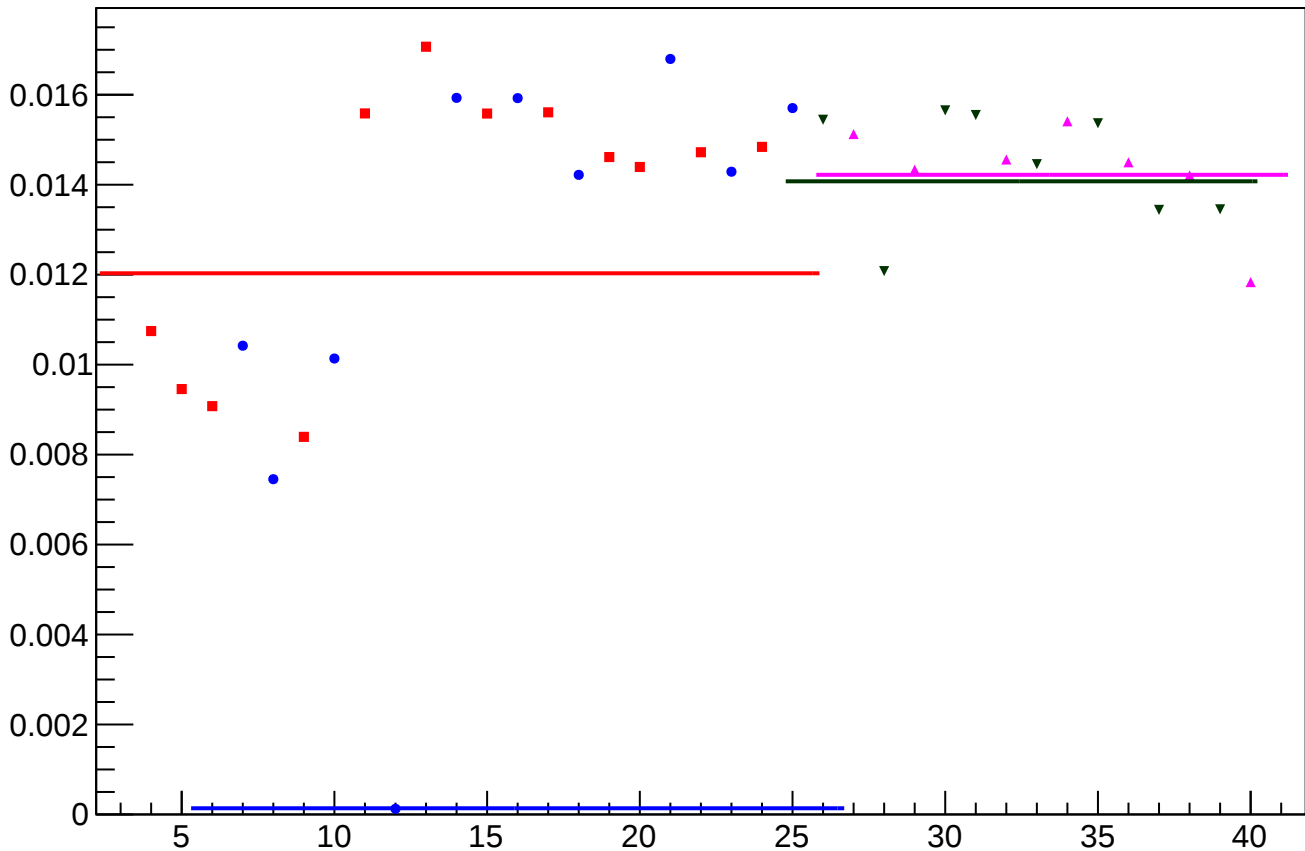
-0.061+/-0.000 χ^2/NDF : 221361645735.8/17

Right Out: 1.523+/-0.000 χ^2/NDF : 11362537231.2/11

1.727+/-0.000 χ^2/NDF : 15964194459.5/18

Left In: 2.094+/-0.000 χ^2/NDF :3246640.9/6

yield_bpm4acY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 10894753.2/9

Left Out: 0.014+/-0.000 χ^2/NDF : 69104.2/7

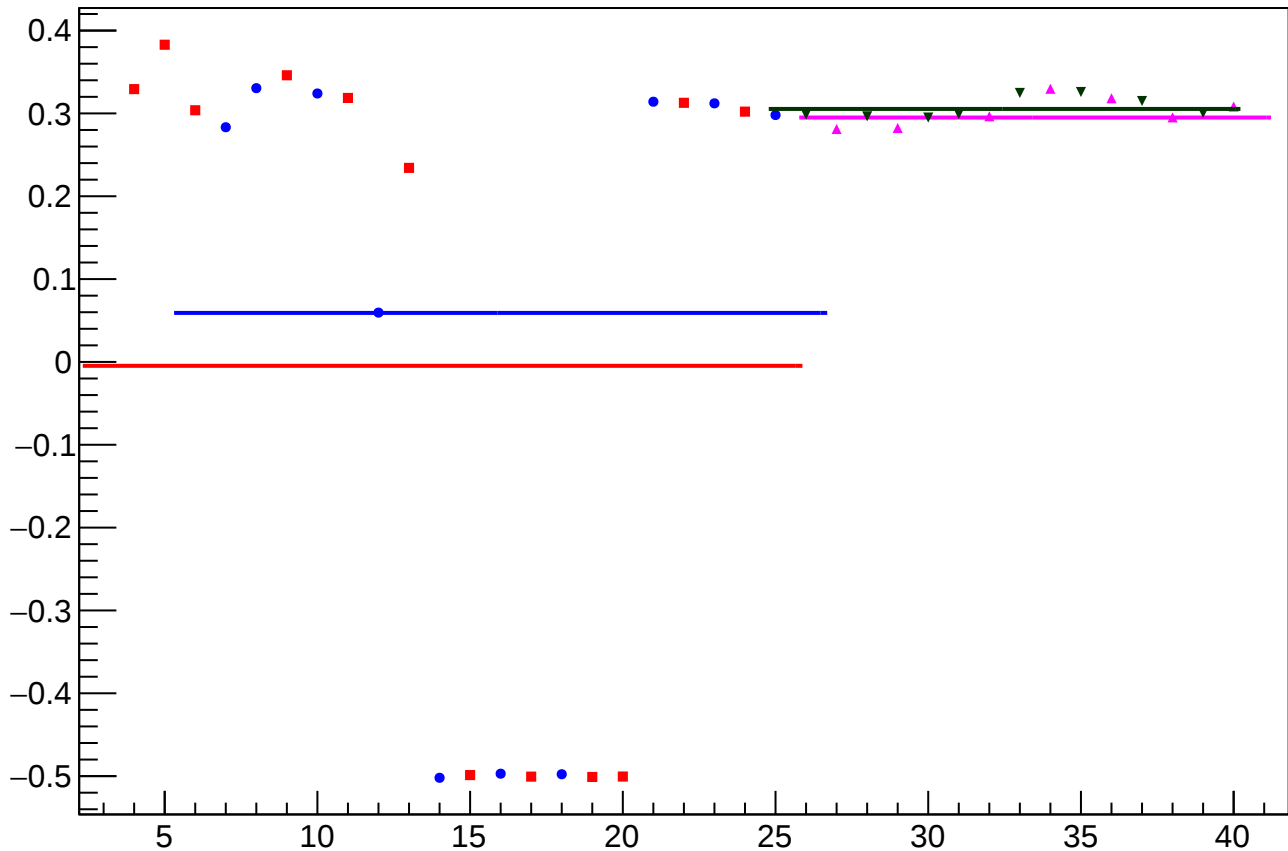
0.000+/-0.000 χ^2/NDF : 18841883.0/17

Right Out: 0.012+/-0.000 χ^2/NDF : 858730.1/11

0.013+/-0.000 χ^2/NDF : 1046552.7/18

Left In: 0.014+/-0.000 χ^2/NDF : 52520.9/6

yield_bpm4ecX_mean vs slug



Right In: 0.059+/-0.000 χ^2/NDF : 3541111693.7/9

Left Out: 0.305+/-0.000 χ^2/NDF :1226361.6/7

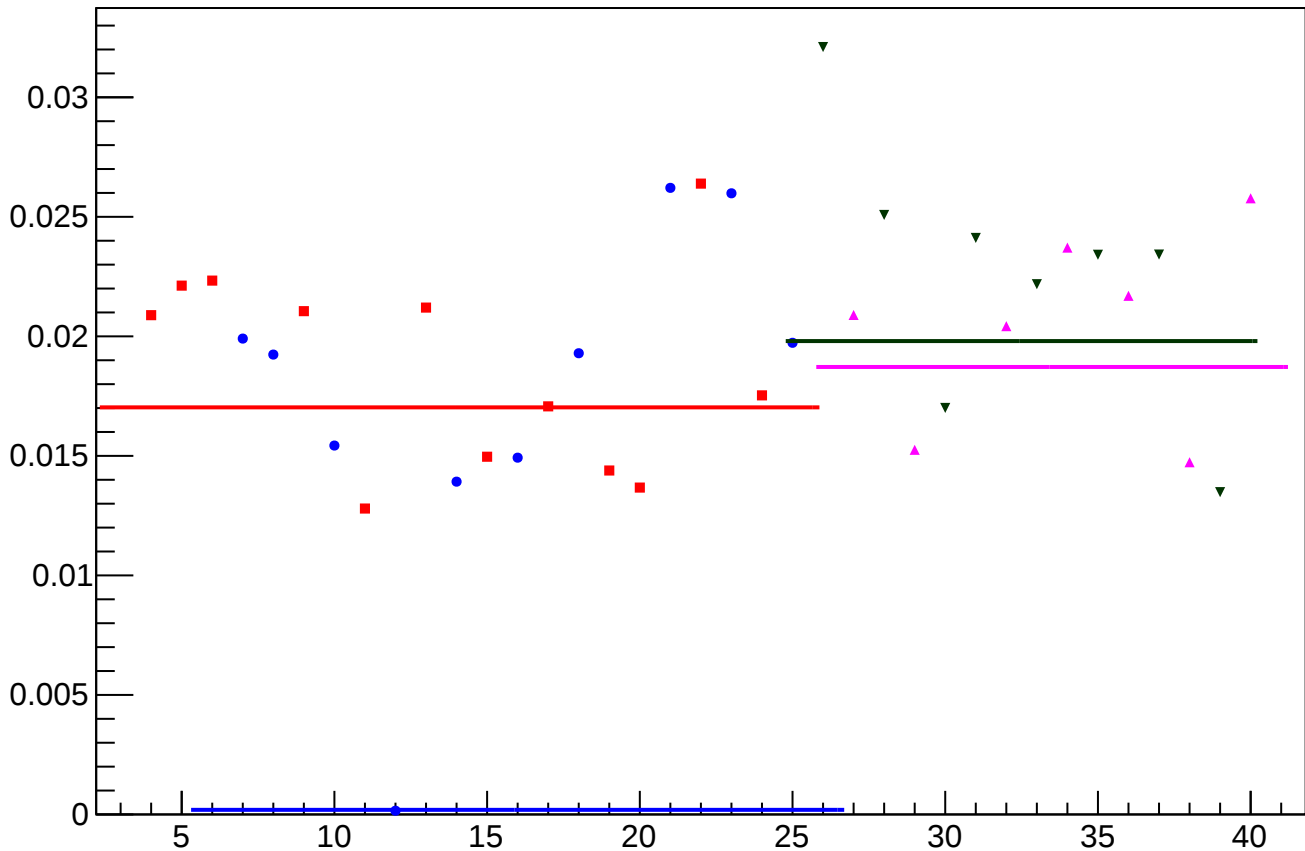
0.059+/-0.000 χ^2/NDF : 4120978532.0/17

Right Out: -0.005+/-0.000 χ^2/NDF : 3140963258.0/11

0.105+/-0.000 χ^2/NDF : 3811720891.6/18

Left In: 0.295+/-0.000 χ^2/NDF :2601027.8/6

yield_bpm4ecX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 10989835.4/9

Left Out: 0.020+/-0.000 χ^2/NDF : 536790.8/7

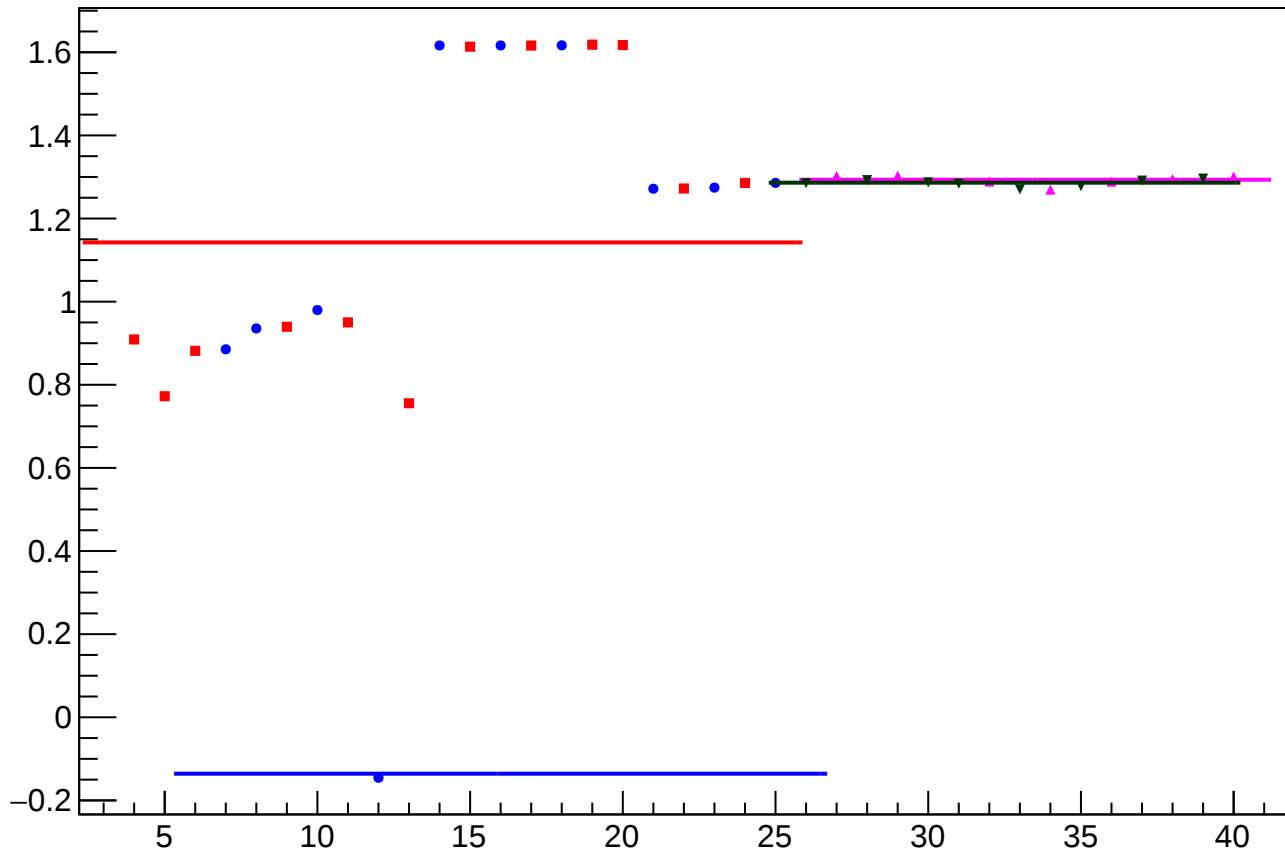
Right Out: 0.017+/-0.000 χ^2/NDF : 584593.5/11

Left In: 0.019+/-0.000 χ^2/NDF : 307742.7/6

0.000+/-0.000 χ^2/NDF : 18866437.7/17

0.018+/-0.000 χ^2/NDF : 934805.5/18

yield_bpm4ecY_mean vs slug



Right In: -0.136+/-0.000 χ^2 /NDF: 131146167218.9/9

Left Out: 1.286+/-0.000 χ^2 /NDF:2661025.1/7

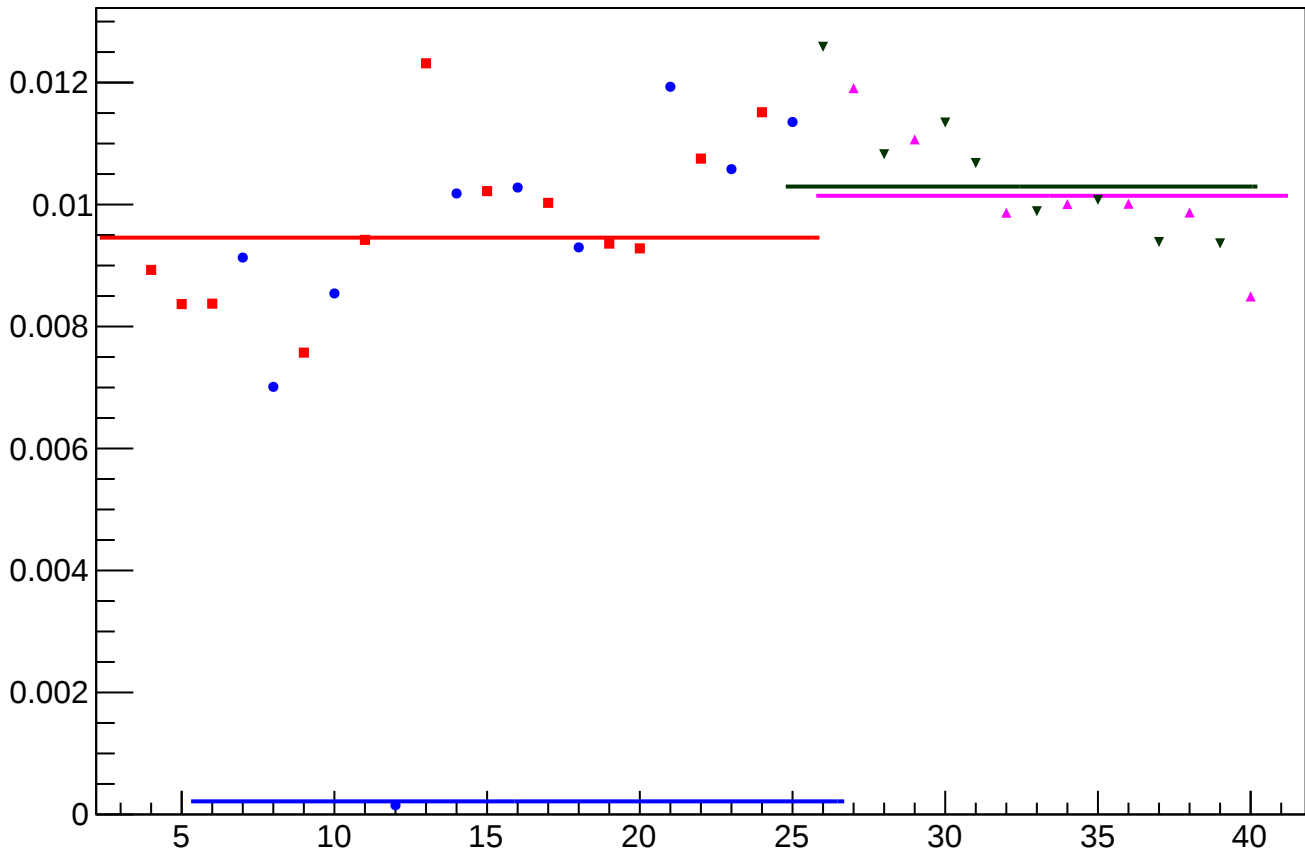
-0.130+/-0.000 χ^2 /NDF: 208694351319.4/17

Right Out: 1.142+/-0.000 χ^2 /NDF: 7015082012.3/11

1.201+/-0.000 χ^2 /NDF: 7614672570.2/18

Left In: 1.293+/-0.000 χ^2 /NDF:4566443.3/6

yield_bpm4ecY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 10811399.3/9

Left Out: 0.010+/-0.000 χ^2/NDF : 67476.6/7

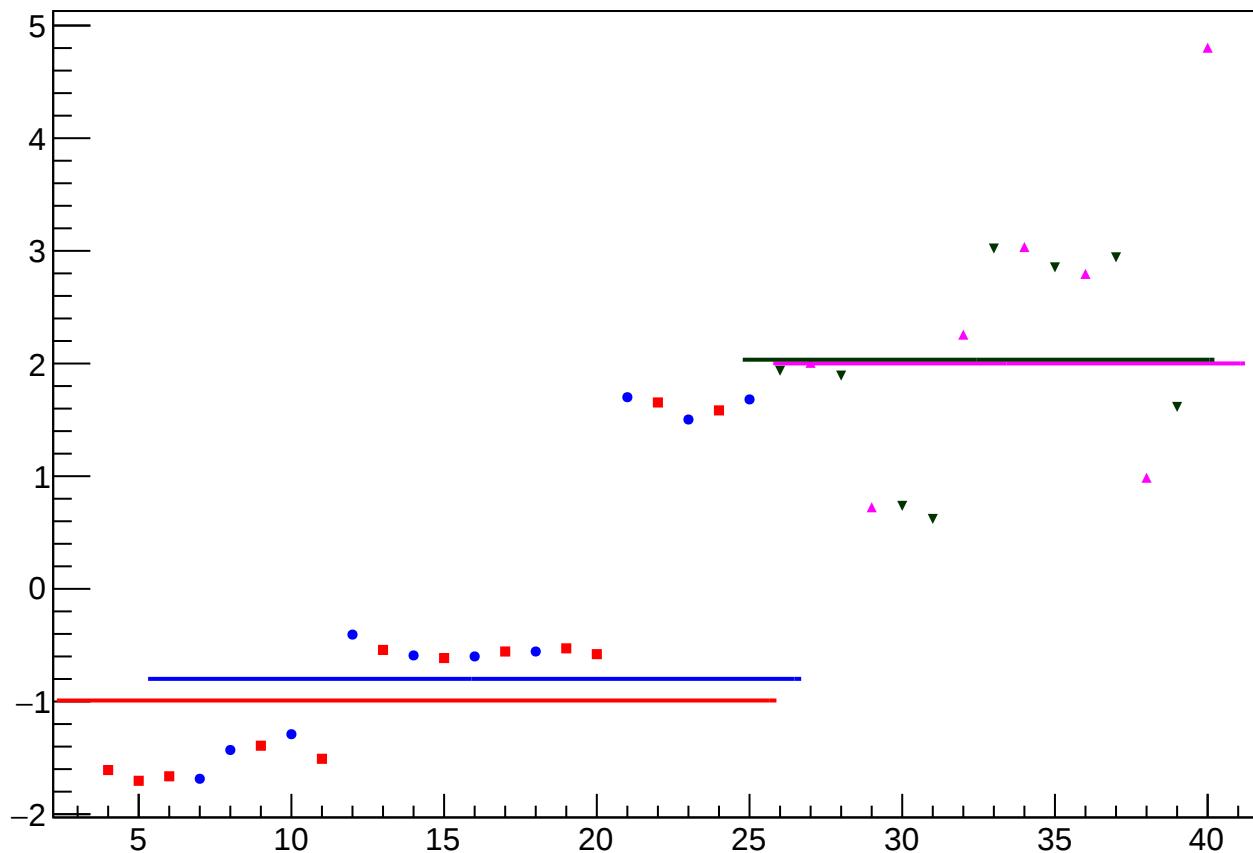
0.000+/-0.000 χ^2/NDF : 18672810.3/17

Right Out: 0.009+/-0.000 χ^2/NDF : 269492.1/11

0.010+/-0.000 χ^2/NDF : 379797.0/18

Left In: 0.010+/-0.000 χ^2/NDF : 85665.4/6

yield_bpm1X_mean vs slug



Right In: -0.799+/-0.000 χ^2/NDF : 2108272061.1/9

Left Out: 2.034+/-0.000 χ^2/NDF :109177922.1/7

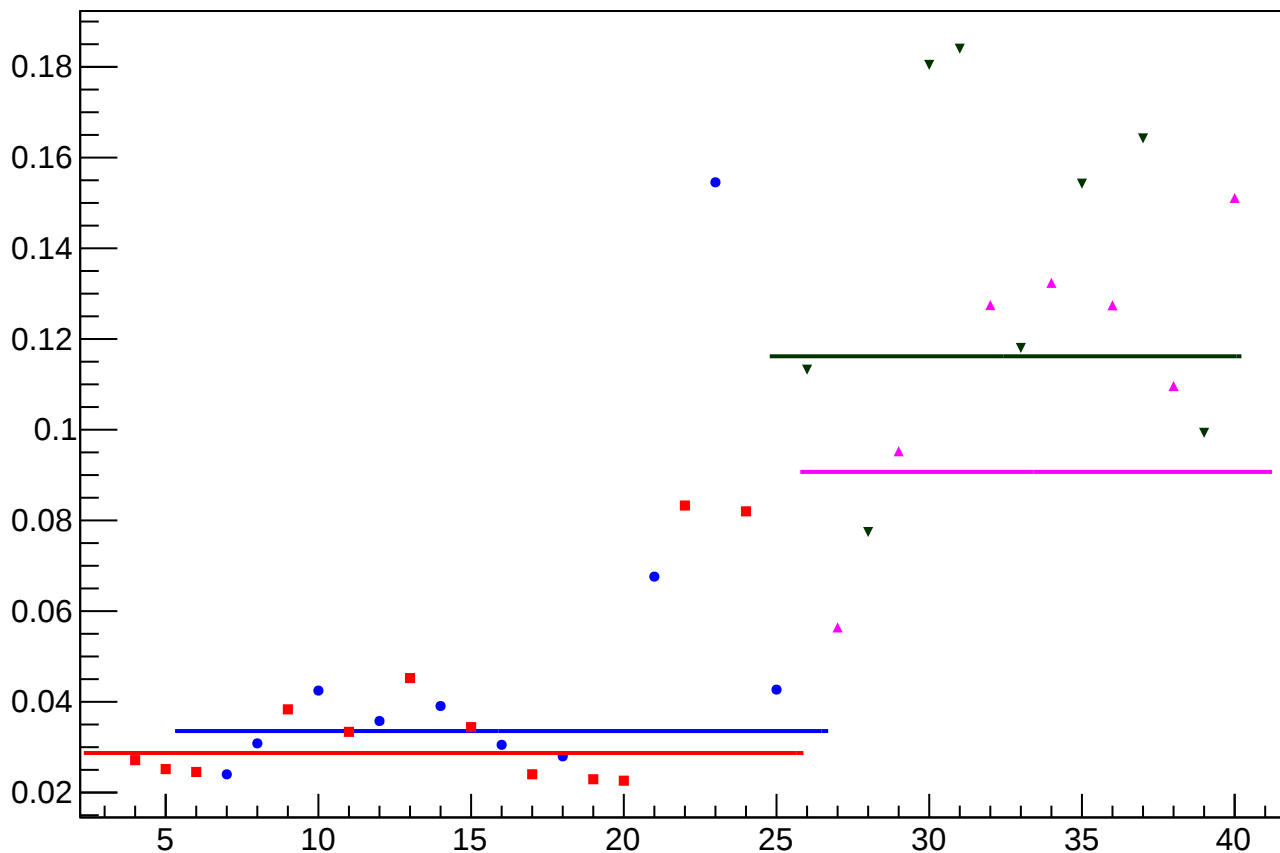
Right Out: -0.991+/-0.000 χ^2/NDF : 2016562689.3/11

Left In: 2.001+/-0.000 χ^2/NDF :321722381.9/6

-0.642+/-0.000 χ^2/NDF : 3927875819.1/17

-0.799+/-0.000 χ^2/NDF : 5437242702.5/18

yield_bpm1X_rms vs slug



Right In: 0.034 ± 0.000 χ^2/NDF : 1033776.5/9

Left Out: 0.116 ± 0.000 χ^2/NDF : 576140.3/7

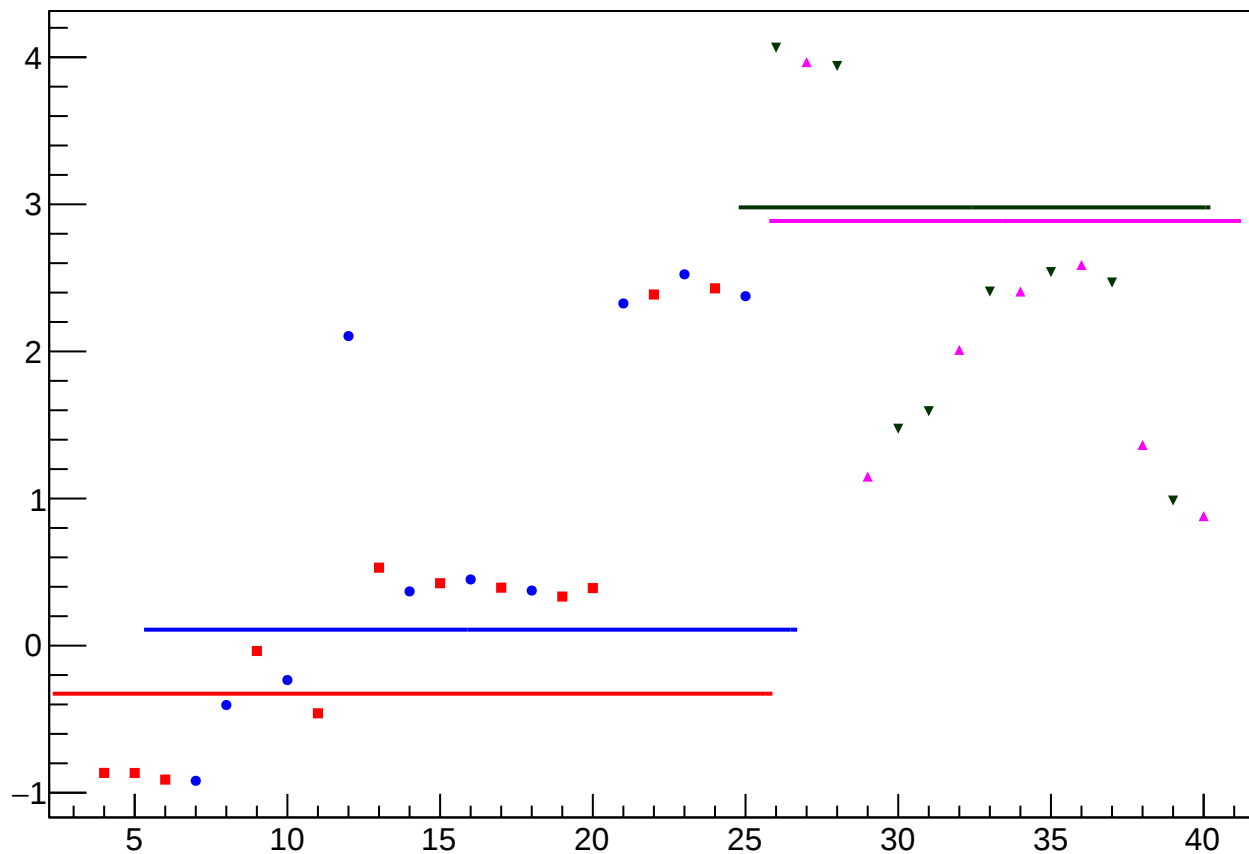
Right Out: 0.029 ± 0.000 χ^2/NDF : 965052.5/11

Left In: 0.091 ± 0.000 χ^2/NDF : 822654.8/6

0.038 ± 0.000 χ^2/NDF : 4520399.1/17

0.033 ± 0.000 χ^2/NDF : 4447159.5/18

yield_bpm1Y_mean vs slug



Right In: 0.109 $\pm$ 0.000 χ^2 /NDF: 8111501728.9/9

Left Out: 2.979 $\pm$ 0.000 χ^2 /NDF:634201785.3/7

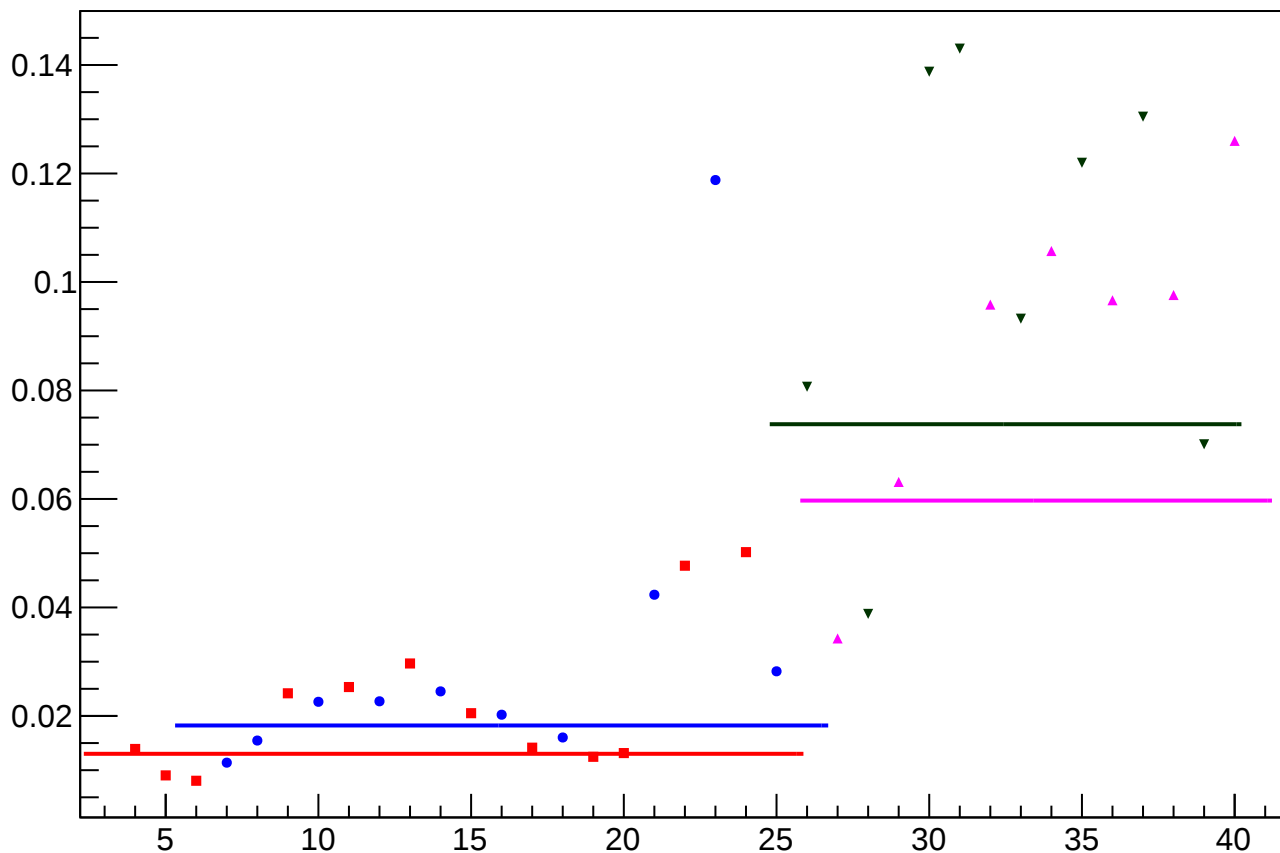
Right Out: -0.327 $\pm$ 0.000 χ^2 /NDF: 9287320551.8/11

Left In: 2.887 $\pm$ 0.000 χ^2 /NDF:1106154677.8/6

0.226 $\pm$ 0.000 χ^2 /NDF: 12443783819.5/17

-0.216 $\pm$ 0.000 χ^2 /NDF: 17823548777.9/18

yield_bpm1Y_rms vs slug



Right In: 0.018+/-0.000 χ^2/NDF : 1320521.5/9

Left Out: 0.074+/-0.000 χ^2/NDF :1220233.7/7

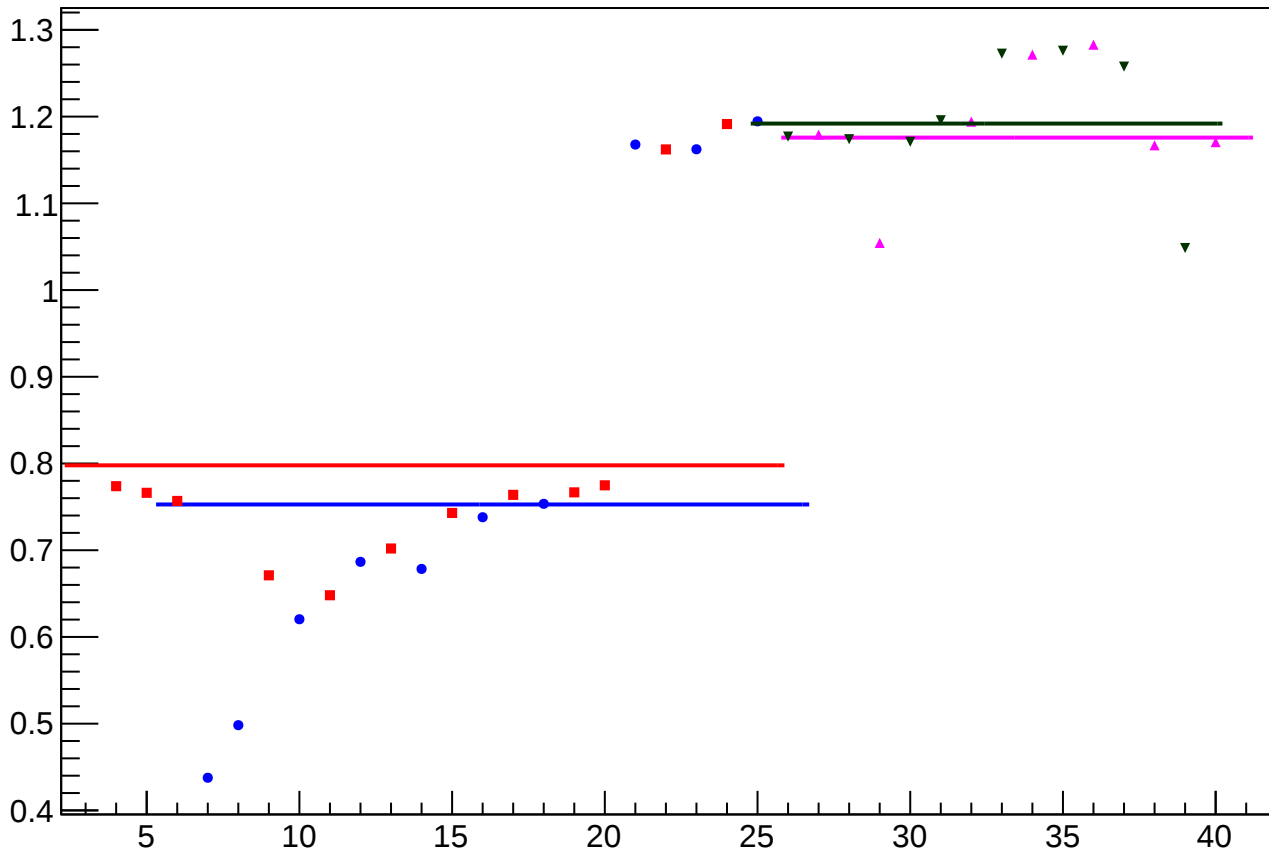
Right Out: 0.013+/-0.000 χ^2/NDF : 1857519.6/11

Left In: 0.060+/-0.000 χ^2/NDF :1365471.3/6

0.021+/-0.000 χ^2/NDF : 5309130.3/17

0.015+/-0.000 χ^2/NDF : 6359070.0/18

yield_bpm11X_mean vs slug



Right In: 0.753+/-0.000 χ^2/NDF : 845583832.8/9

Left Out: 1.192+/-0.000 χ^2/NDF :39559830.0/7

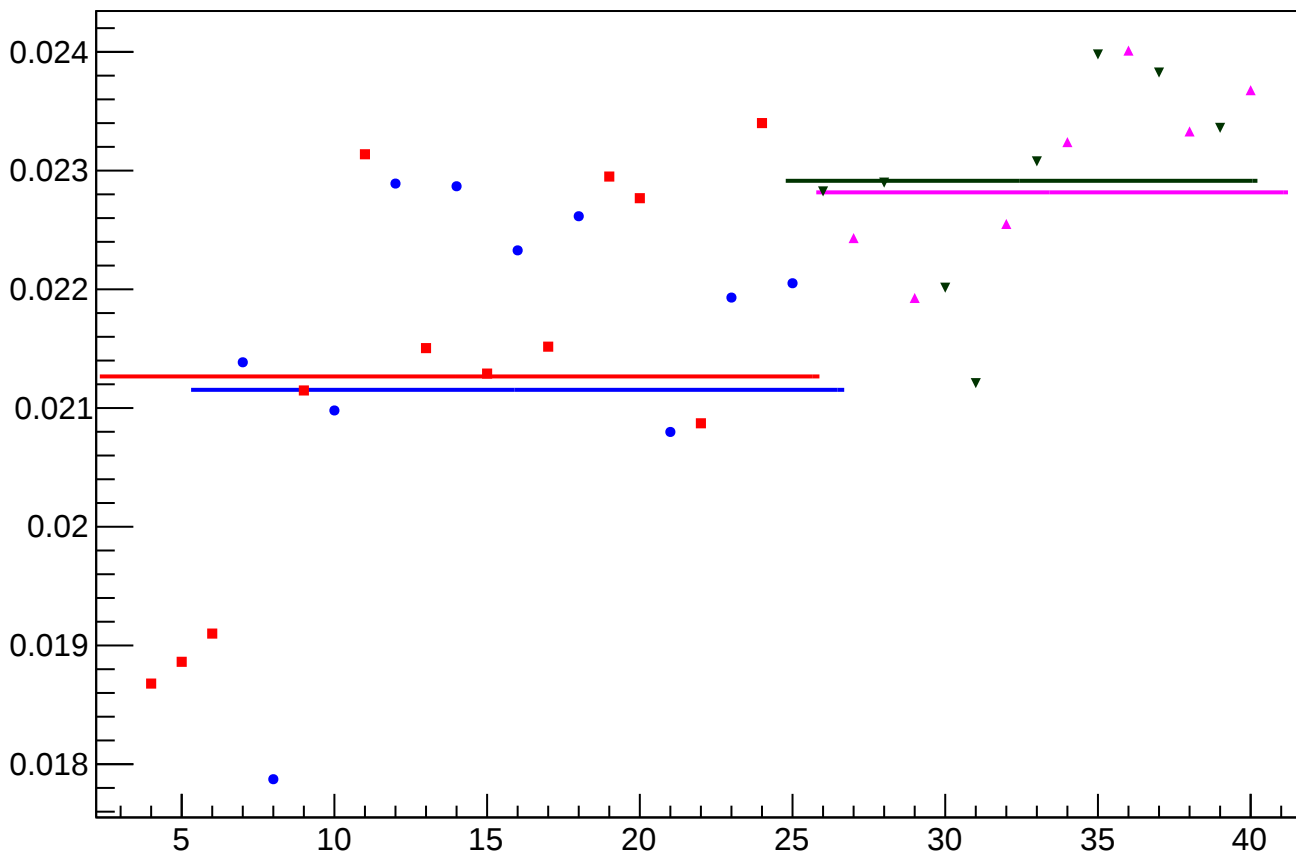
0.912+/-0.000 χ^2/NDF : 1854242688.2/17

Right Out: 0.798+/-0.000 χ^2/NDF : 394047843.5/11

0.943+/-0.000 χ^2/NDF : 1187461385.2/18

Left In: 1.176+/-0.000 χ^2/NDF :42888295.9/6

yield_bpm11X_rms vs slug



Right In: 0.021+/-0.000 χ^2/NDF : 89384.0/9

Left Out: 0.023+/-0.000 χ^2/NDF :10428.4/7

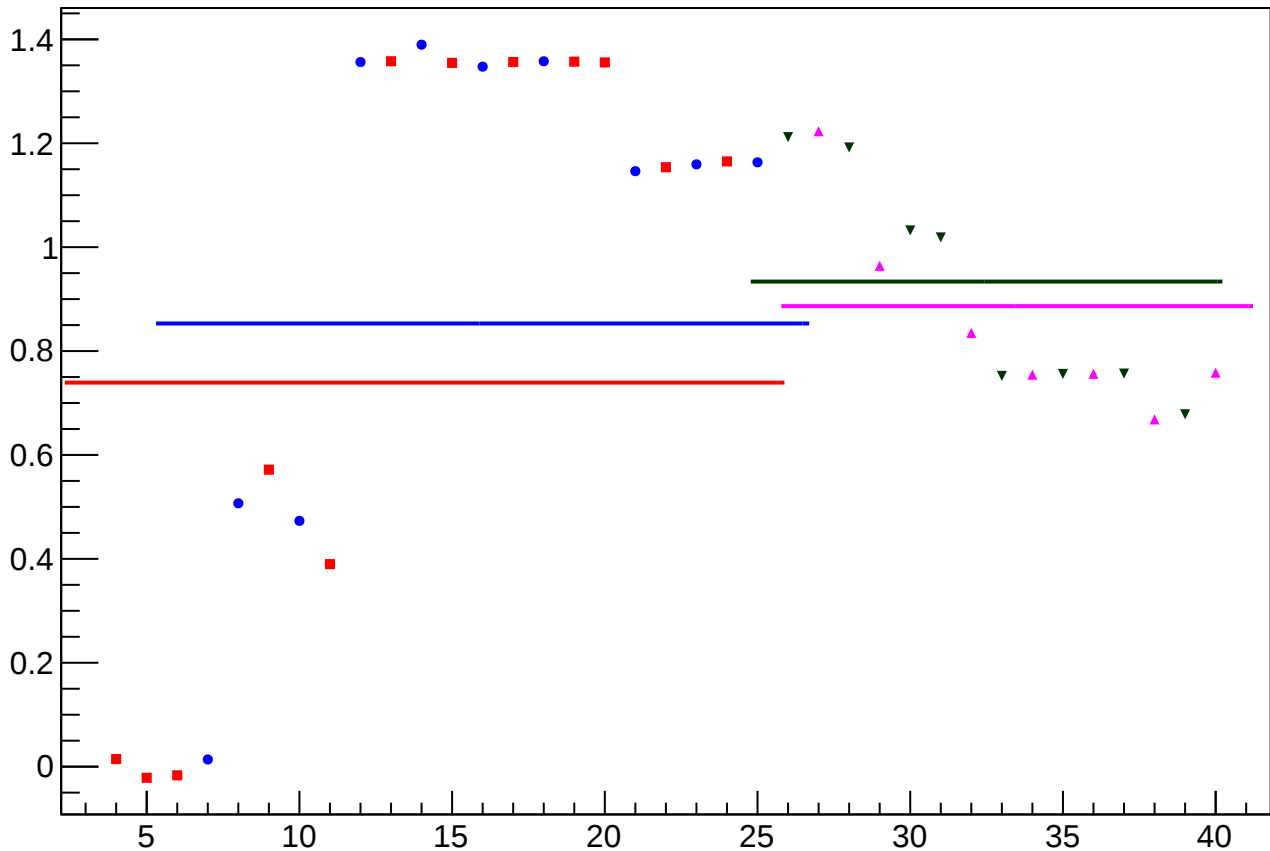
Right Out: 0.021+/-0.000 χ^2/NDF : 58605.8/11

Left In: 0.023+/-0.000 χ^2/NDF :7770.7/6

0.022+/-0.000 χ^2/NDF : 130960.5/17

0.022+/-0.000 χ^2/NDF : 91648.3/18

yield_bpm11Y_mean vs slug



Right In: 0.853+/-0.000 χ^2/NDF : 104764240658.7/9

Left Out: 0.934+/-0.000 χ^2/NDF : 11614433646.1/7

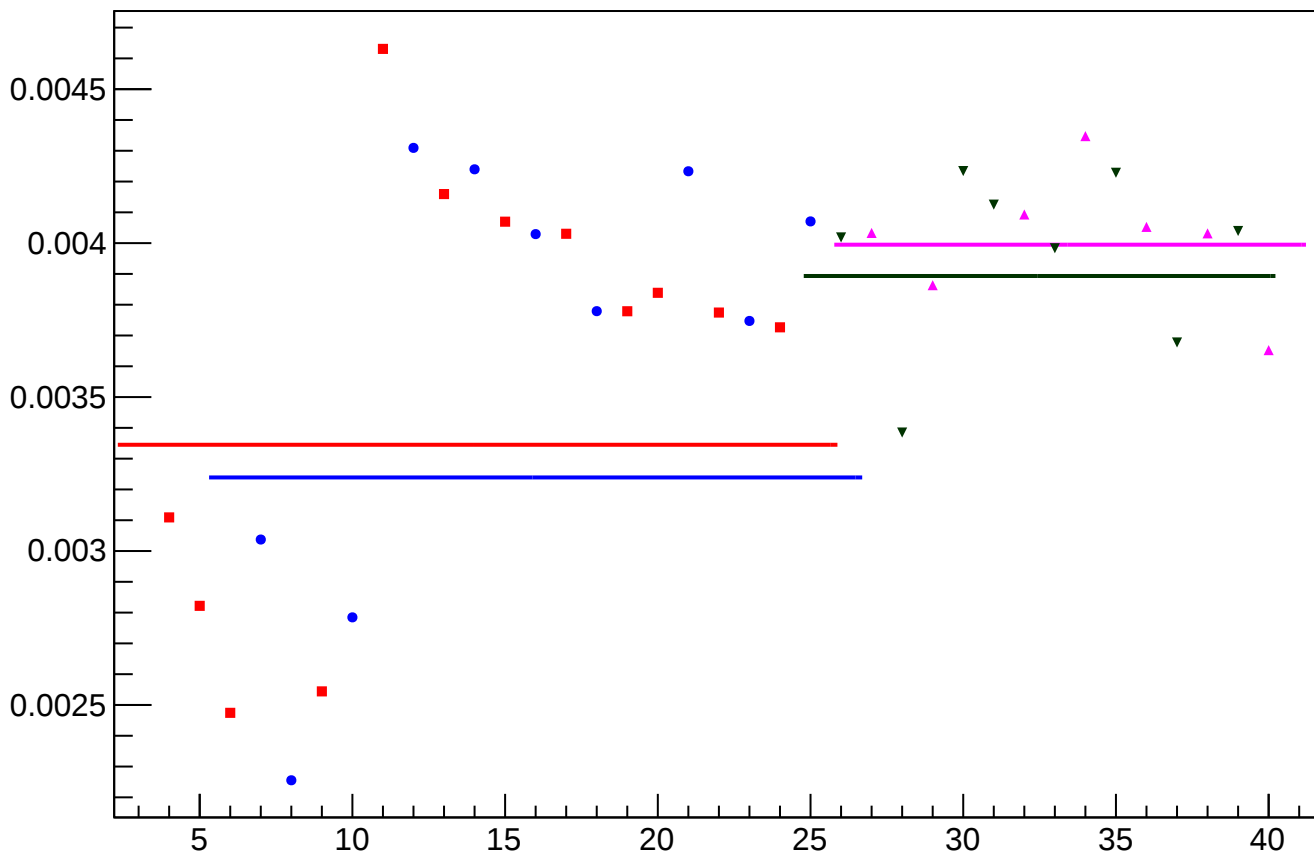
0.879+/-0.000 χ^2/NDF : 117539315615.3/17

Right Out: 0.739+/-0.000 χ^2/NDF : 163147236052.0/11

0.790+/-0.000 χ^2/NDF : 176402241000.9/18

Left In: 0.886+/-0.000 χ^2/NDF : 9310387572.4/6

yield_bpm11Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 745700.6/9

Left Out: 0.004+/-0.000 χ^2/NDF : 49135.8/7

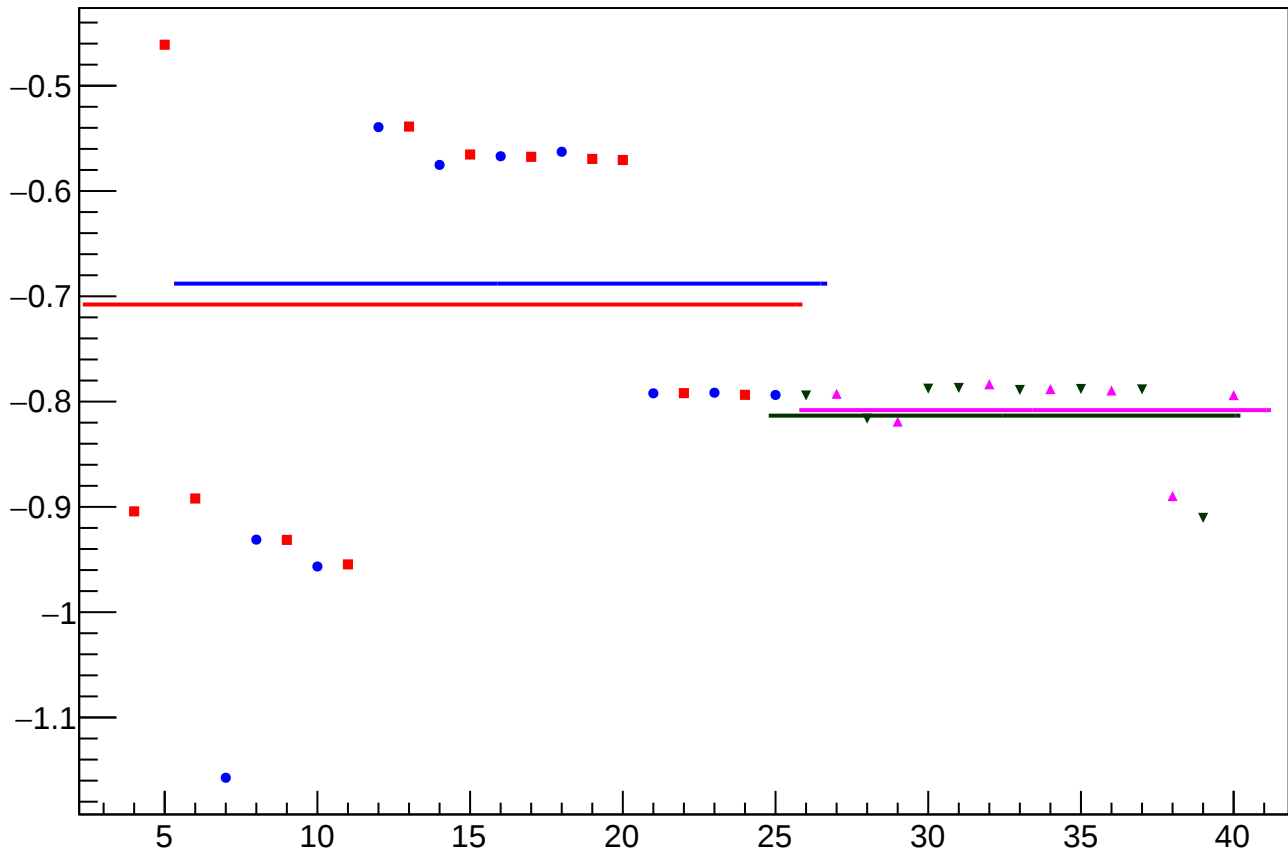
Right Out: 0.003+/-0.000 χ^2/NDF : 574504.0/11

Left In: 0.004+/-0.000 χ^2/NDF : 18295.5/6

0.003+/-0.000 χ^2/NDF : 947719.1/17

0.004+/-0.000 χ^2/NDF : 746543.9/18

yield_bpm12X_mean vs slug



Right In: -0.688+/-0.000 χ^2/NDF : 1835449316.2/9

Left Out: -0.813+/-0.000 χ^2/NDF : 114600239.2/7

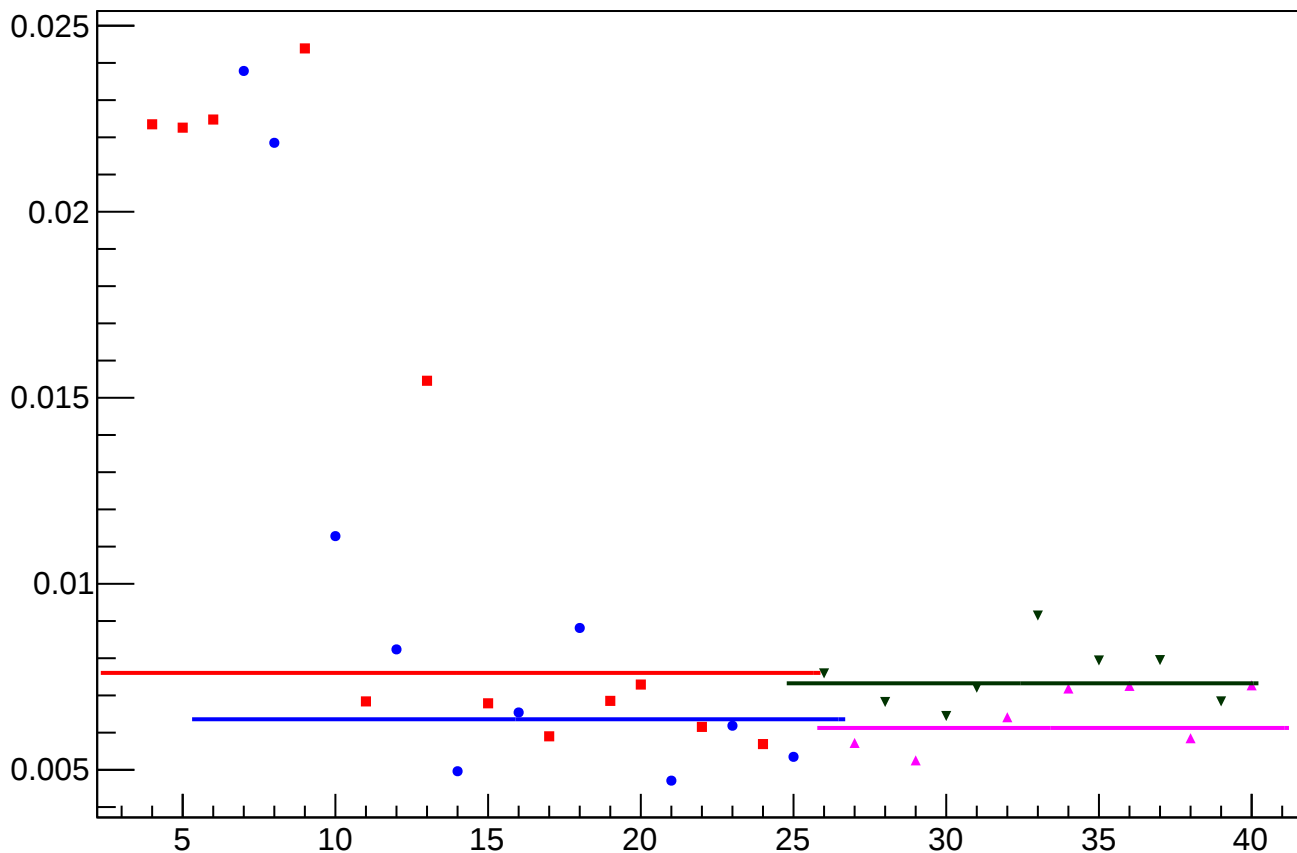
-0.733+/-0.000 χ^2/NDF : 2550164656.8/17

Right Out: -0.708+/-0.000 χ^2/NDF : 1719681121.8/11

-0.762+/-0.000 χ^2/NDF : 2213748642.3/18

Left In: -0.808+/-0.000 χ^2/NDF : 93000063.9/6

yield_bpm12X_rms vs slug



Right In: 0.006+/-0.000 χ^2/NDF : 1833155.9/9

Left Out: 0.007+/-0.000 χ^2/NDF : 69112.9/7

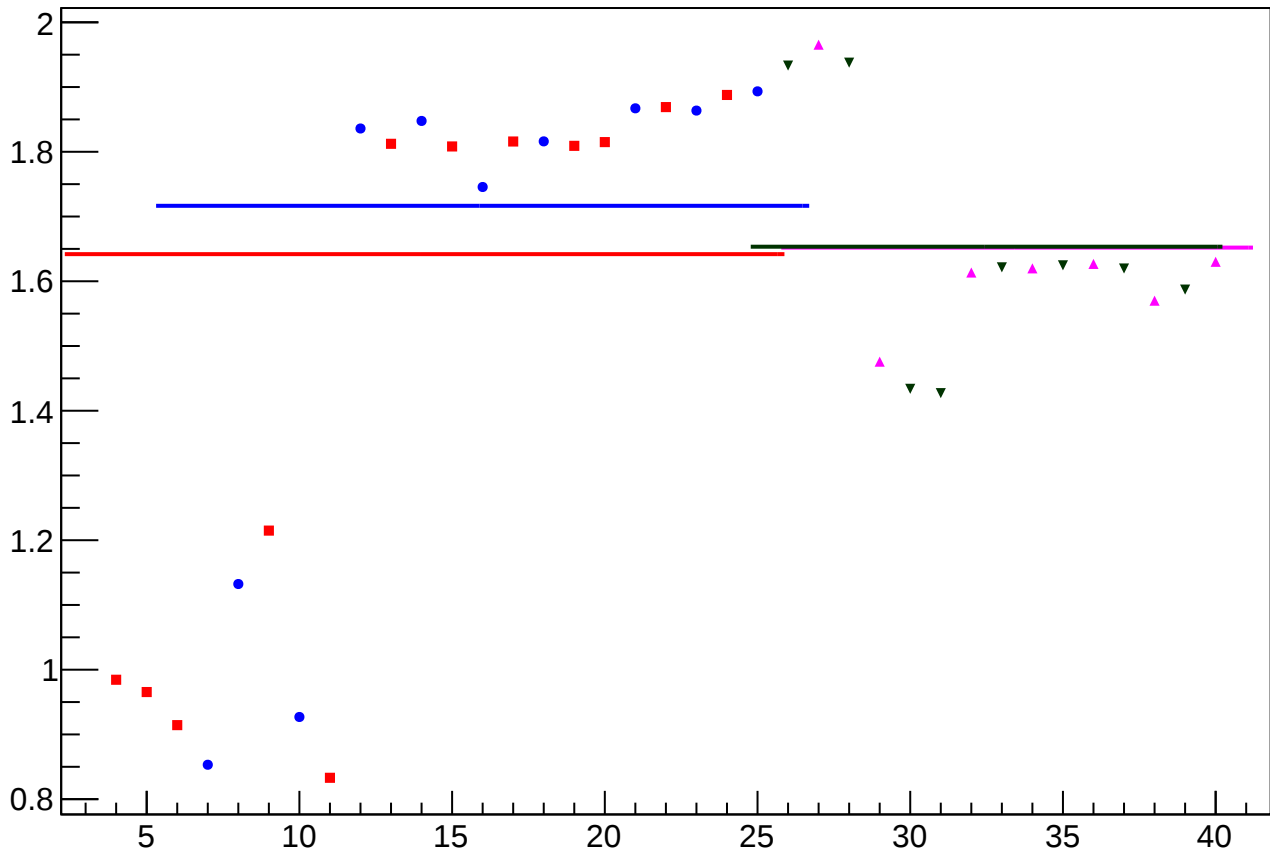
Right Out: 0.008+/-0.000 χ^2/NDF : 2293990.6/11

Left In: 0.006+/-0.000 χ^2/NDF : 93898.2/6

0.007+/-0.000 χ^2/NDF : 1973585.4/17

0.007+/-0.000 χ^2/NDF : 2562454.7/18

yield_bpm12Y_mean vs slug



Right In: 1.717 $\pm$ 0.000 χ^2 /NDF: 10938016030.0/9

Left Out: 1.653 $\pm$ 0.000 χ^2 /NDF: 2905629763.8/7

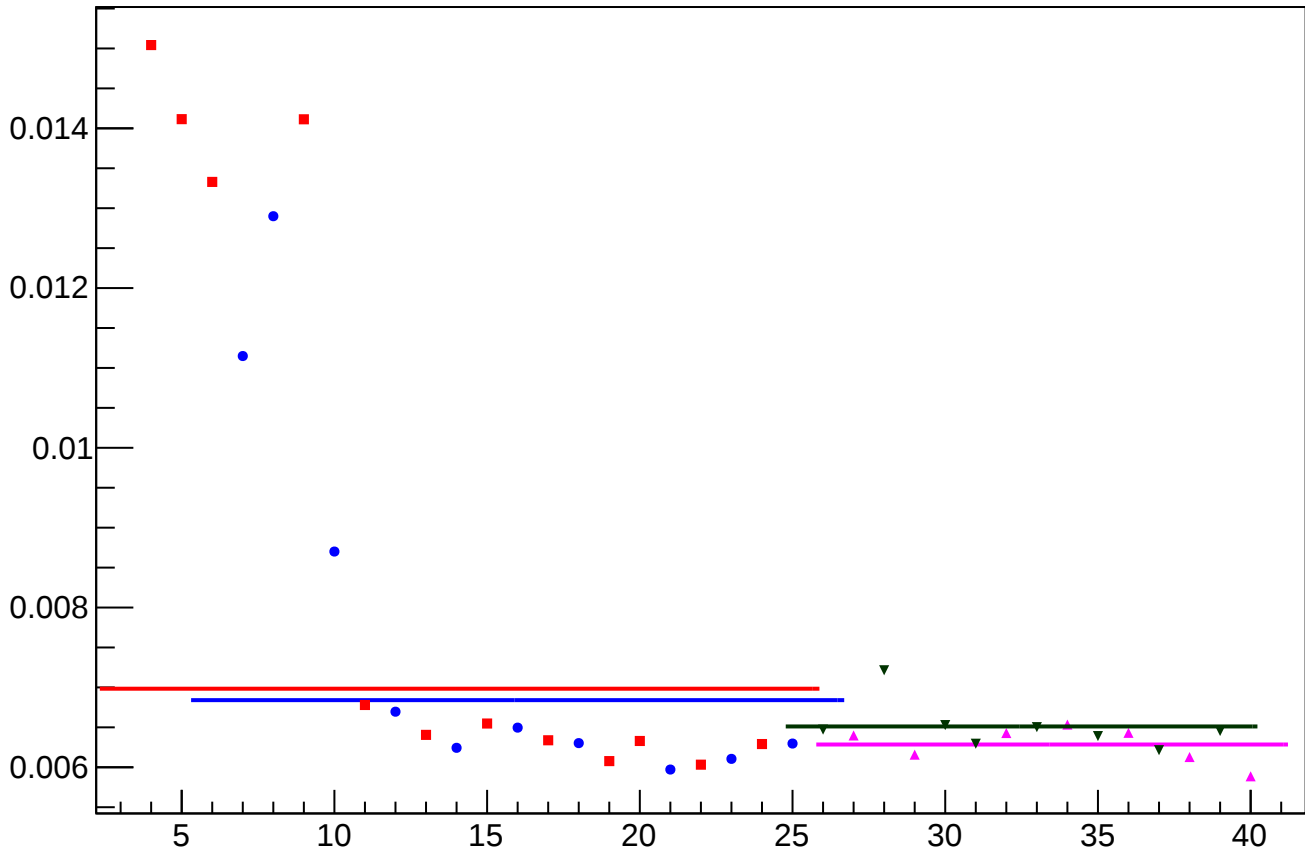
1.689 $\pm$ 0.000 χ^2 /NDF: 14052065189.9/17

Right Out: 1.642 $\pm$ 0.000 χ^2 /NDF: 15751478429.4/11

1.647 $\pm$ 0.000 χ^2 /NDF: 18388514156.8/18

Left In: 1.652 $\pm$ 0.000 χ^2 /NDF: 2631499799.1/6

yield_bpm12Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 600956.3/9

Left Out: 0.007+/-0.000 χ^2/NDF :15325.5/7

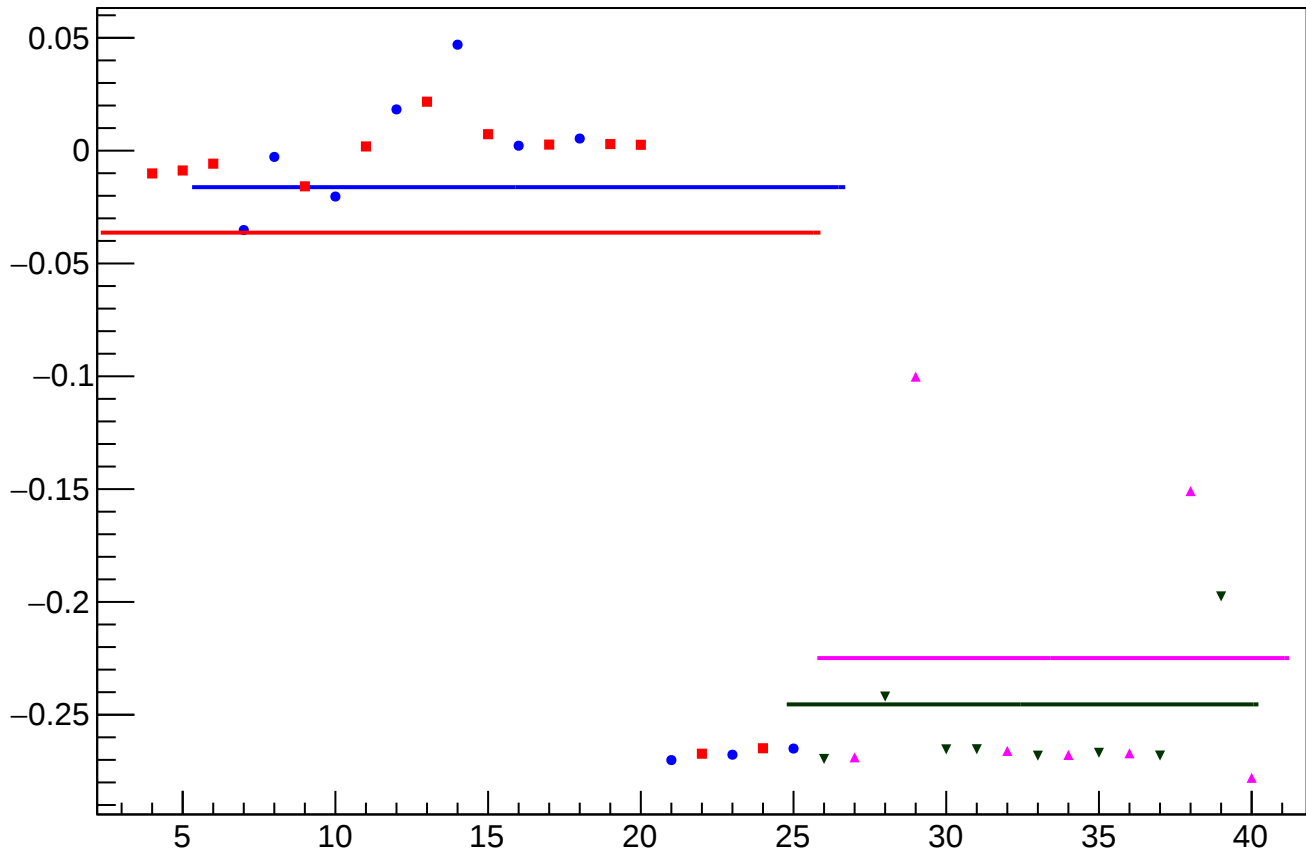
0.007+/-0.000 χ^2/NDF : 627616.1/17

Right Out: 0.007+/-0.000 χ^2/NDF : 973579.9/11

0.007+/-0.000 χ^2/NDF : 1035050.4/18

Left In: 0.006+/-0.000 χ^2/NDF :8522.4/6

yield_bpm16X_mean vs slug



Right In: -0.016+/-0.000 χ^2/NDF : 1451636458.8/9

Left Out: -0.245+/-0.000 χ^2/NDF : 90098779.5/7

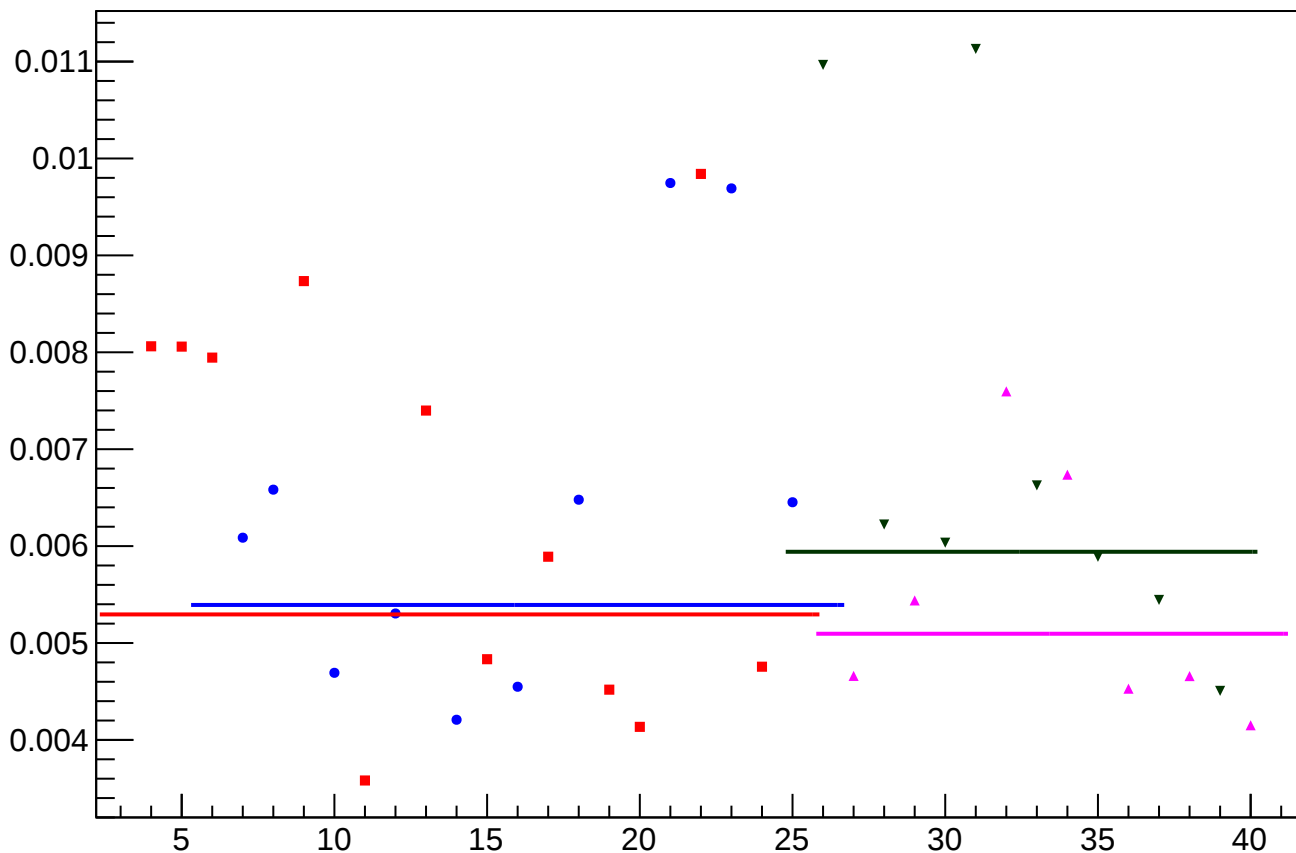
-0.096+/-0.000 χ^2/NDF : 5007558286.9/17

Right Out: -0.036+/-0.000 χ^2/NDF : 1742147509.6/11

-0.119+/-0.000 χ^2/NDF : 5462831929.2/18

Left In: -0.225+/-0.000 χ^2/NDF : 722731025.5/6

yield_bpm16X_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 809148.4/9

Left Out: 0.006+/-0.000 χ^2/NDF : 486172.3/7

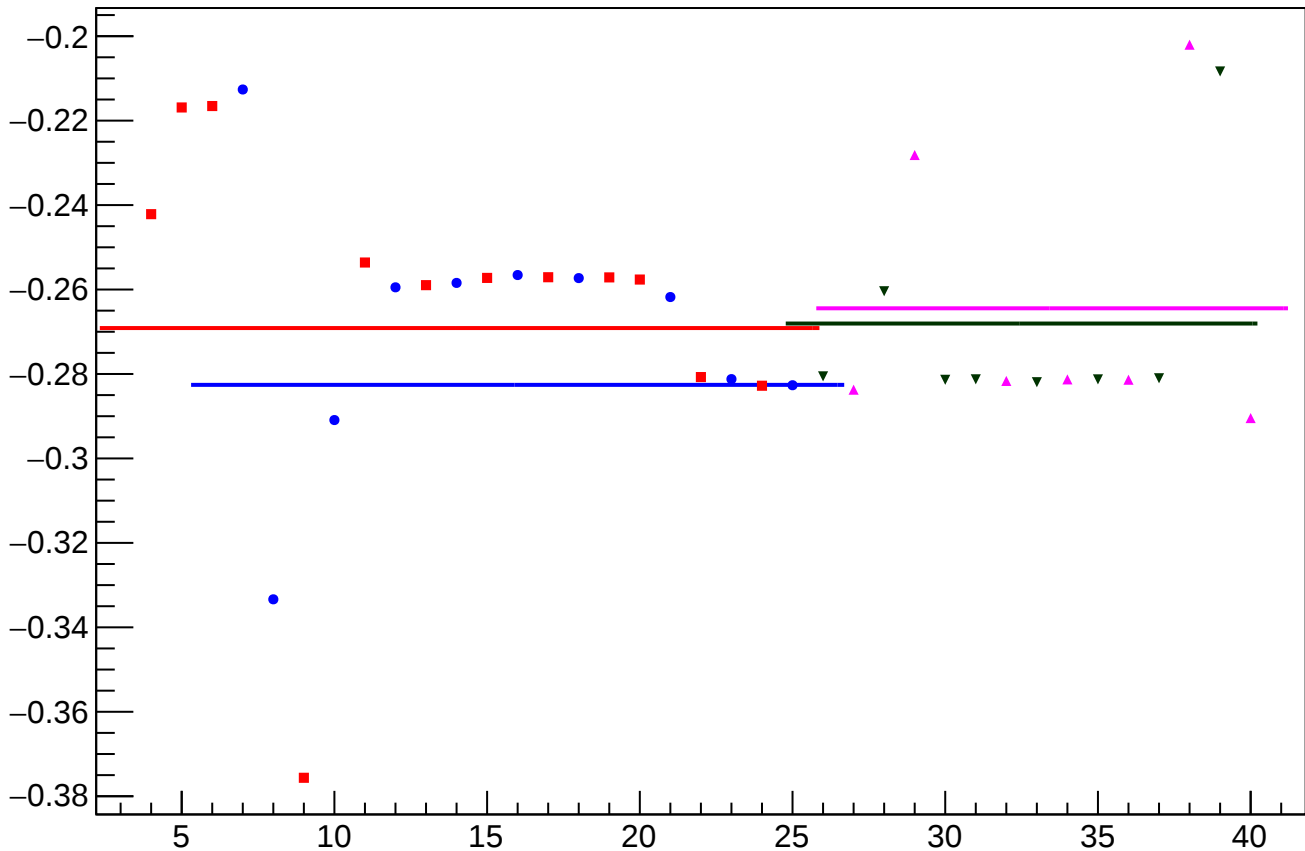
Right Out: 0.005+/-0.000 χ^2/NDF : 1206788.4/11

Left In: 0.005+/-0.000 χ^2/NDF : 313036.1/6

0.006+/-0.000 χ^2/NDF : 1335038.6/17

0.005+/-0.000 χ^2/NDF : 1526535.9/18

yield_bpm16Y_mean vs slug



Right In: -0.283 ± 0.000 χ^2/NDF : 1067042959.0/9

Left Out: -0.268 ± 0.000 χ^2/NDF : 312030705.8/7

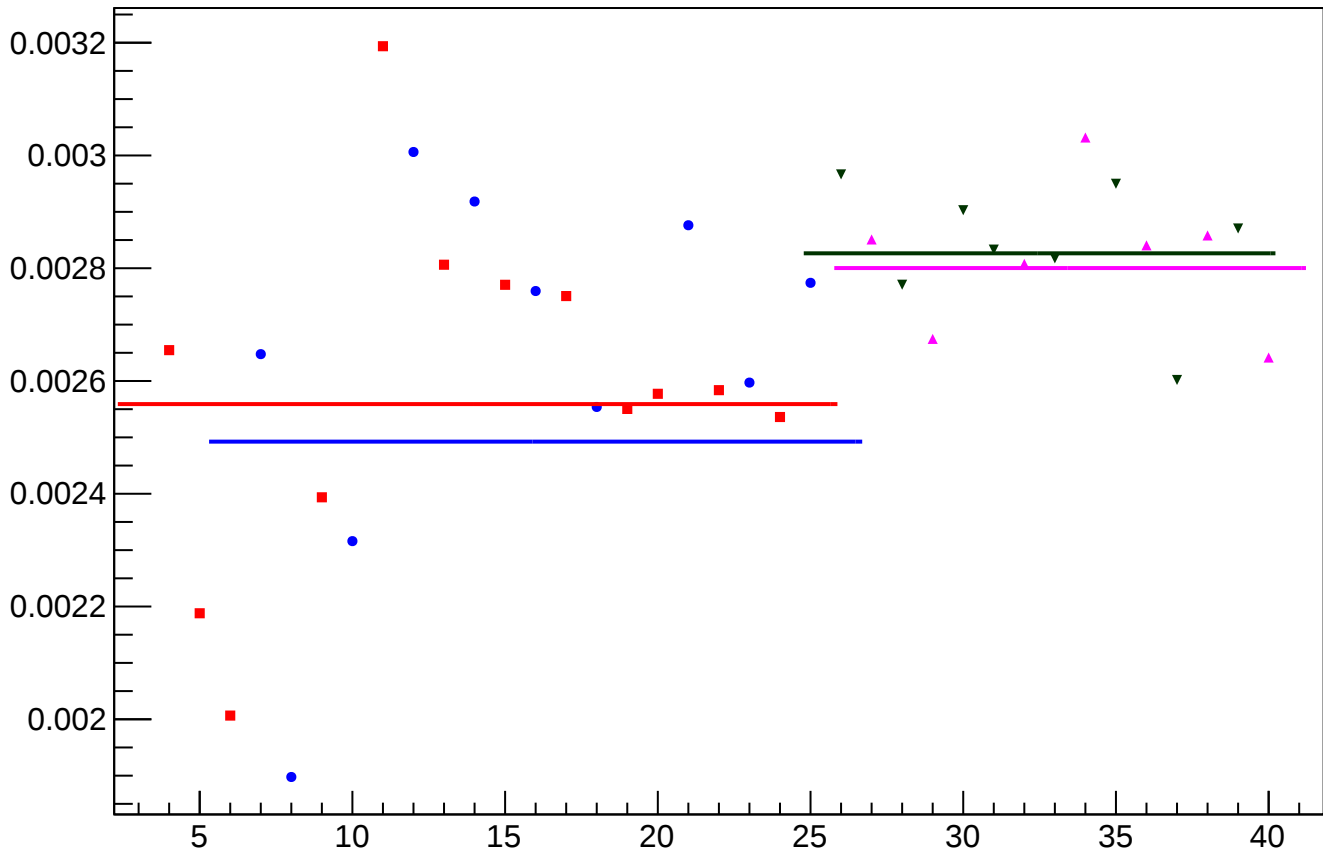
-0.278 ± 0.000 χ^2/NDF : 1449999692.6/17

Right Out: -0.269 ± 0.000 χ^2/NDF : 1935701786.6/11

-0.267 ± 0.000 χ^2/NDF : 2468495210.8/18

Left In: -0.264 ± 0.000 χ^2/NDF : 525115092.1/6

yield_bpm16Y_rms vs slug



Right In: 0.002+/-0.000 χ^2/NDF : 304066.1/9

Left Out: 0.003+/-0.000 χ^2/NDF :13371.9/7

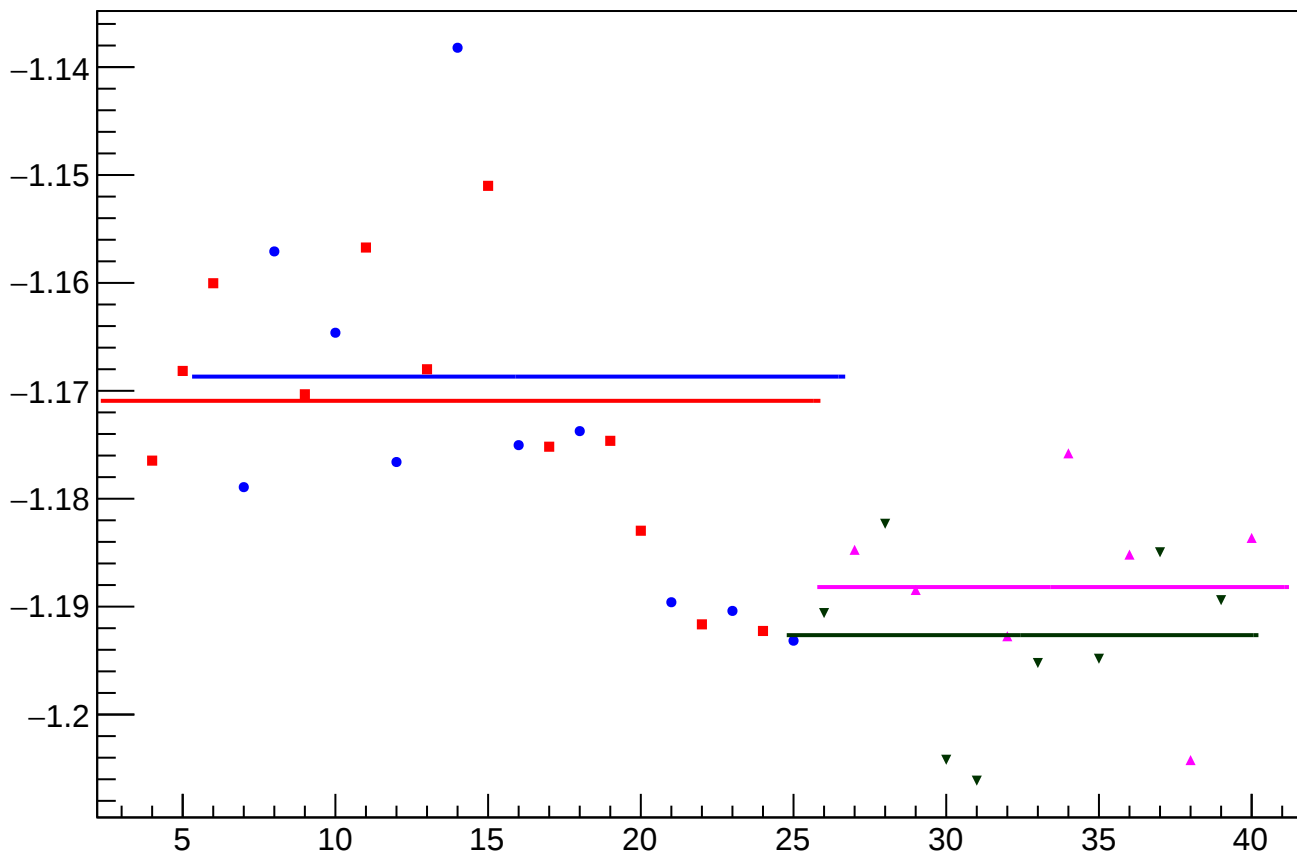
0.003+/-0.000 χ^2/NDF : 392459.6/17

Right Out: 0.003+/-0.000 χ^2/NDF : 176456.4/11

0.003+/-0.000 χ^2/NDF : 231134.0/18

Left In: 0.003+/-0.000 χ^2/NDF :13814.4/6

yield_bpm2i01X_mean vs slug



Right In: -1.169+/-0.000 χ^2/NDF : 35531757.4/9

Left Out: -1.193+/-0.000 χ^2/NDF : 4129920.4/7

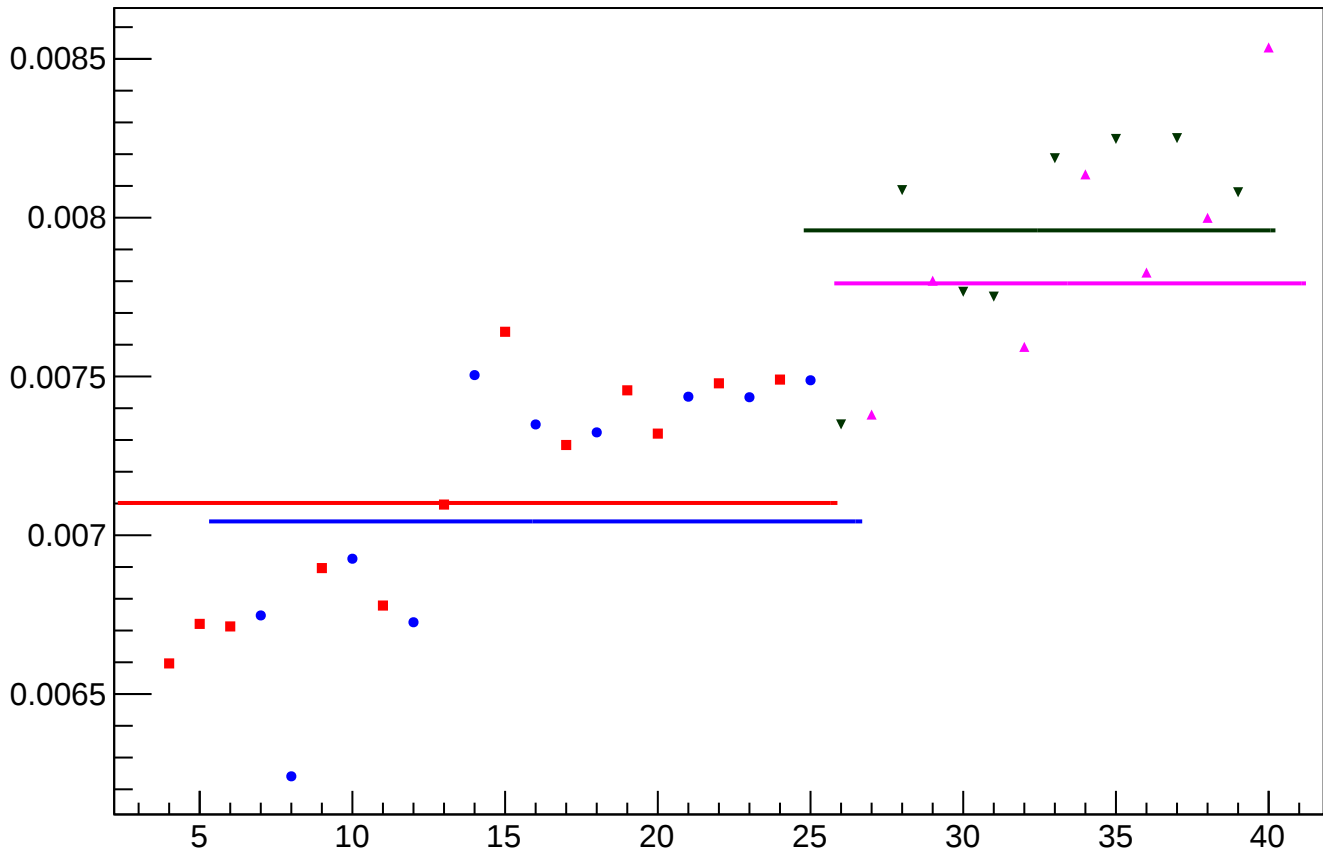
Right Out: -1.171+/-0.000 χ^2/NDF : 18815971.2/11

Left In: -1.188+/-0.000 χ^2/NDF : 3869883.5/6

-1.177+/-0.000 χ^2/NDF : 64954196.5/17

-1.177+/-0.000 χ^2/NDF : 36606477.1/18

yield_bpm2i01X_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 54602.2/9

Left Out: 0.008+/-0.000 χ^2/NDF :11942.2/7

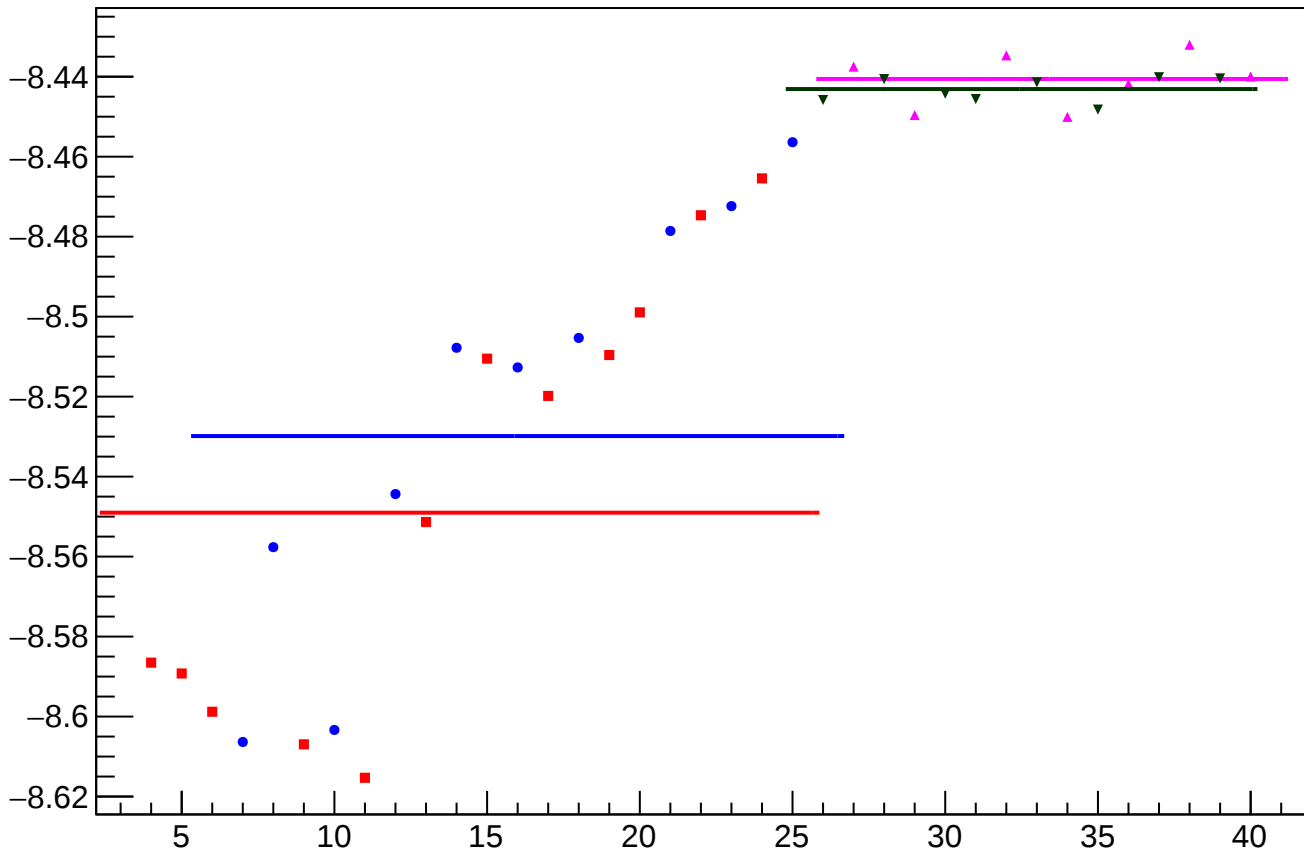
0.007+/-0.000 χ^2/NDF : 140545.5/17

Right Out: 0.007+/-0.000 χ^2/NDF : 27872.8/11

0.007+/-0.000 χ^2/NDF : 88769.8/18

Left In: 0.008+/-0.000 χ^2/NDF :16211.5/6

yield_bpm2i01Y_mean vs slug



Right In: -8.530+/-0.000 χ^2/NDF : 280483187.5/9

Left Out: -8.443+/-0.000 χ^2/NDF : 699524.6/7

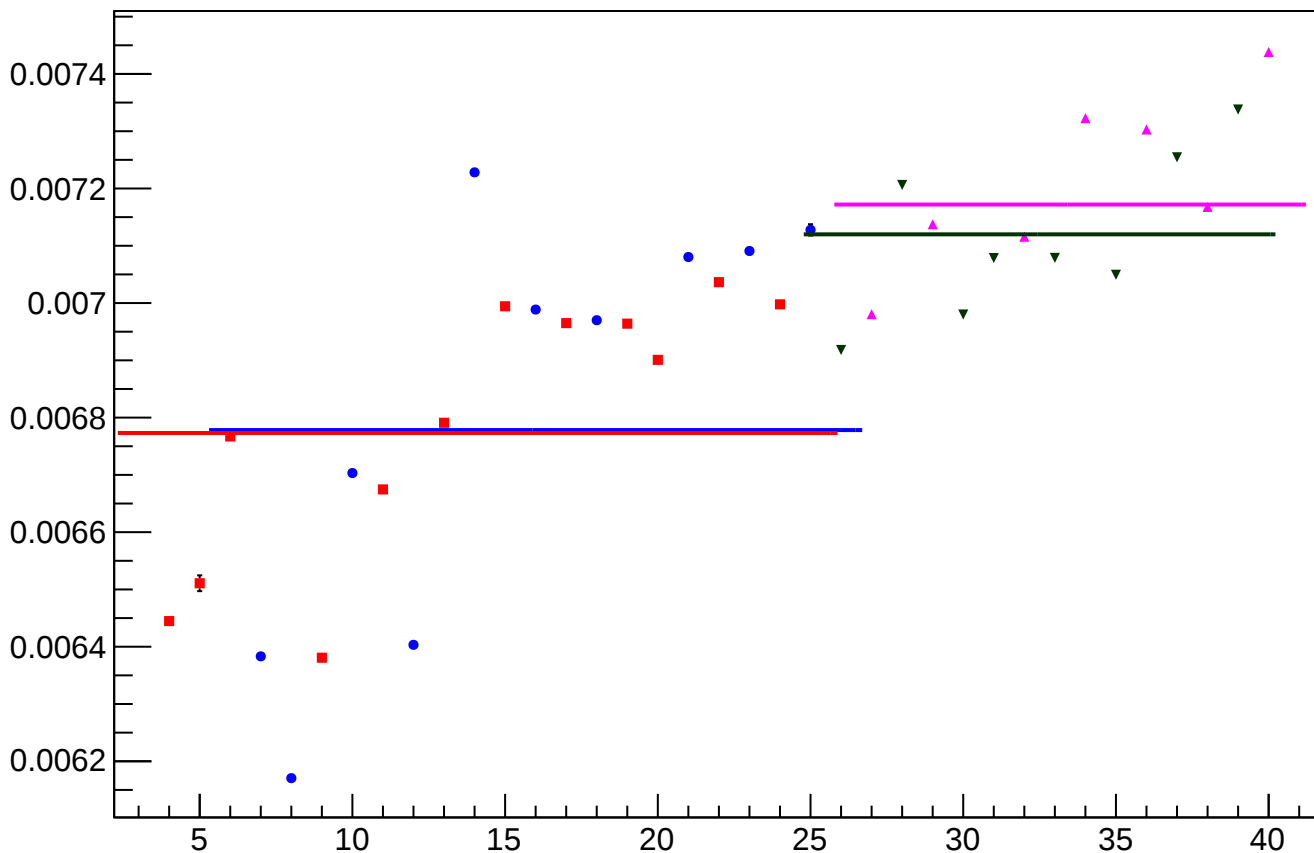
-8.497+/-0.000 χ^2/NDF : 679777329.3/17

Right Out: -8.549+/-0.000 χ^2/NDF : 379238014.1/11

-8.507+/-0.000 χ^2/NDF : 1022664284.3/18

Left In: -8.441+/-0.000 χ^2/NDF : 3733359.4/6

yield_bpm2i01Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 39850.7/9

Left Out: 0.007+/-0.000 χ^2/NDF :3121.0/7

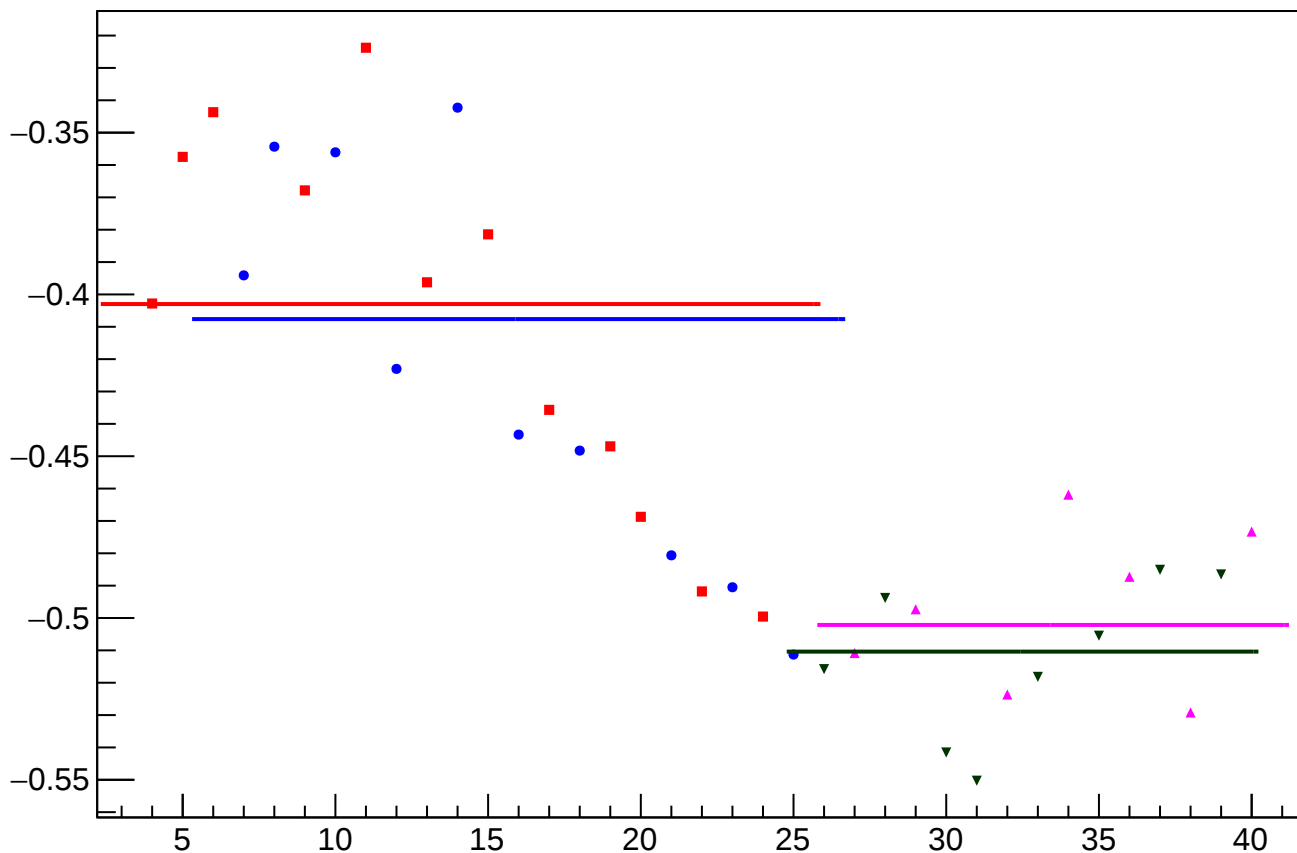
Right Out: 0.007+/-0.000 χ^2/NDF : 13957.5/11

Left In: 0.007+/-0.000 χ^2/NDF :3429.8/6

0.007+/-0.000 χ^2/NDF : 55336.1/17

0.007+/-0.000 χ^2/NDF : 34688.9/18

yield_bpm2i02X_mean vs slug



Right In: -0.408+/-0.000 χ^2/NDF : 64975353.4/9

Left Out: -0.510+/-0.000 χ^2/NDF : 5122829.9/7

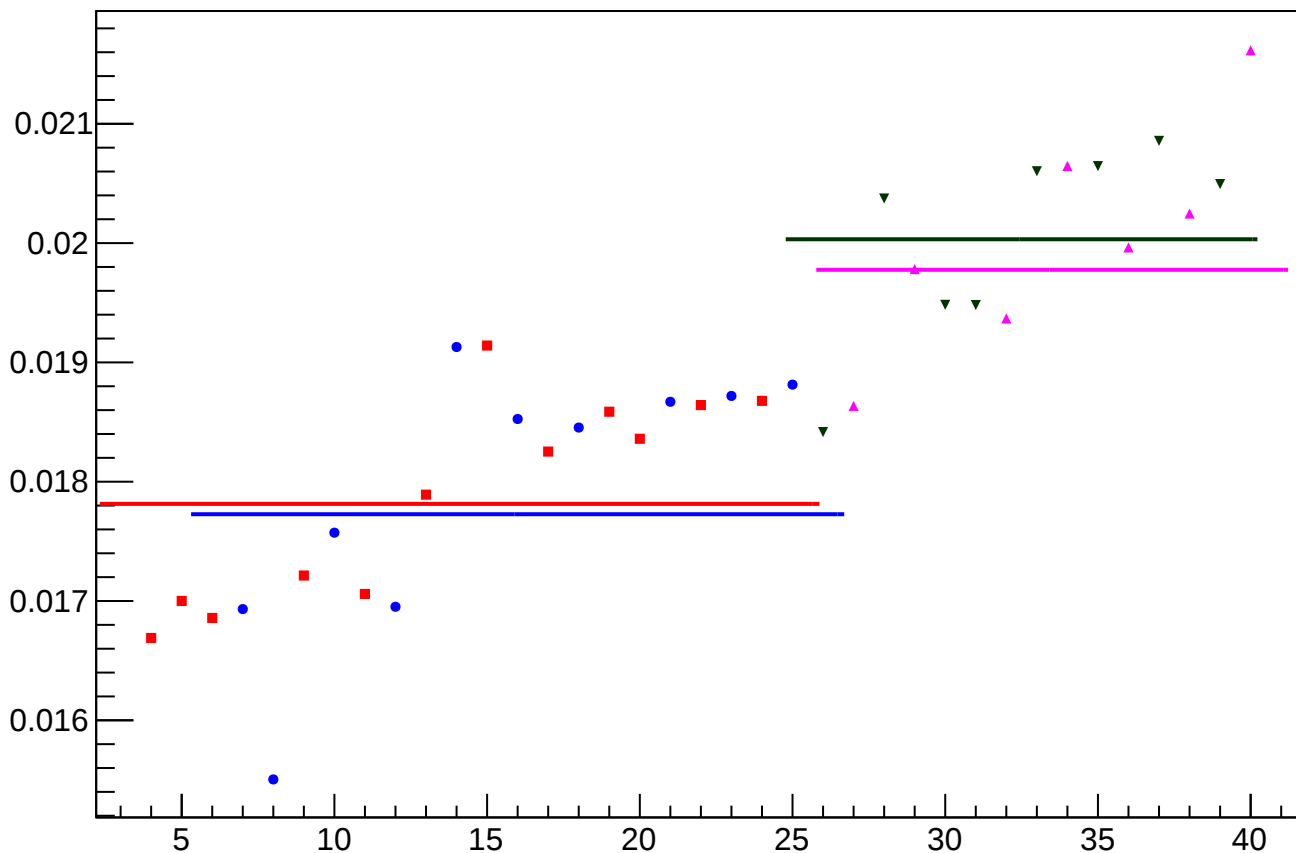
Right Out: -0.403+/-0.000 χ^2/NDF : 62429358.0/11

Left In: -0.502+/-0.000 χ^2/NDF : 5227546.5/6

-0.443+/-0.000 χ^2/NDF : 143658447.0/17

-0.439+/-0.000 χ^2/NDF : 139735241.1/18

yield_bpm2i02X_rms vs slug



Right In: 0.018+/-0.000 χ^2/NDF : 64790.3/9

Left Out: 0.020+/-0.000 χ^2/NDF :13375.8/7

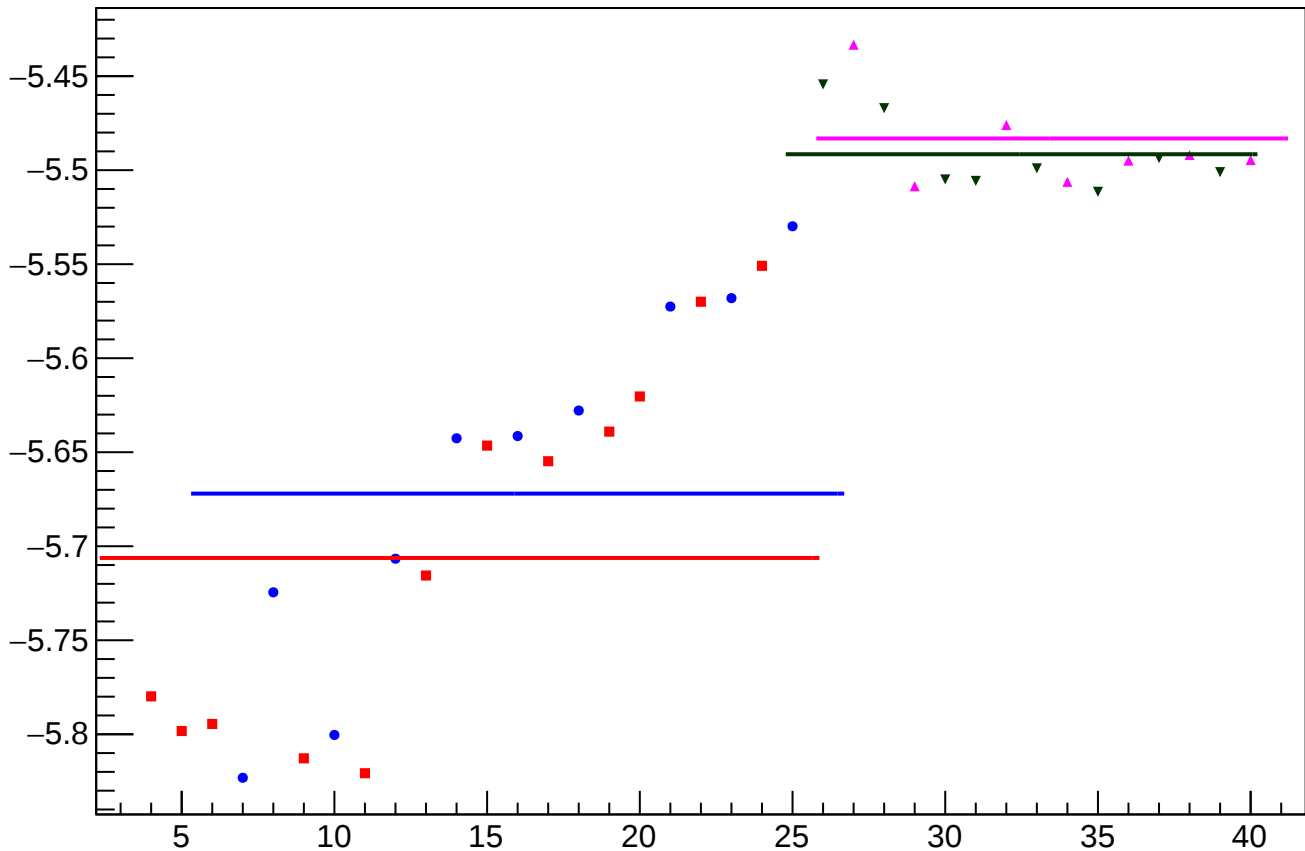
0.019+/-0.000 χ^2/NDF : 152172.5/17

Right Out: 0.018+/-0.000 χ^2/NDF : 24742.8/11

0.019+/-0.000 χ^2/NDF : 97629.3/18

Left In: 0.020+/-0.000 χ^2/NDF :16447.9/6

yield_bpm2i02Y_mean vs slug



Right In: -5.672+/-0.000 χ^2 /NDF: 307961378.2/9

Left Out: -5.492+/-0.000 χ^2 /NDF:10916343.9/7

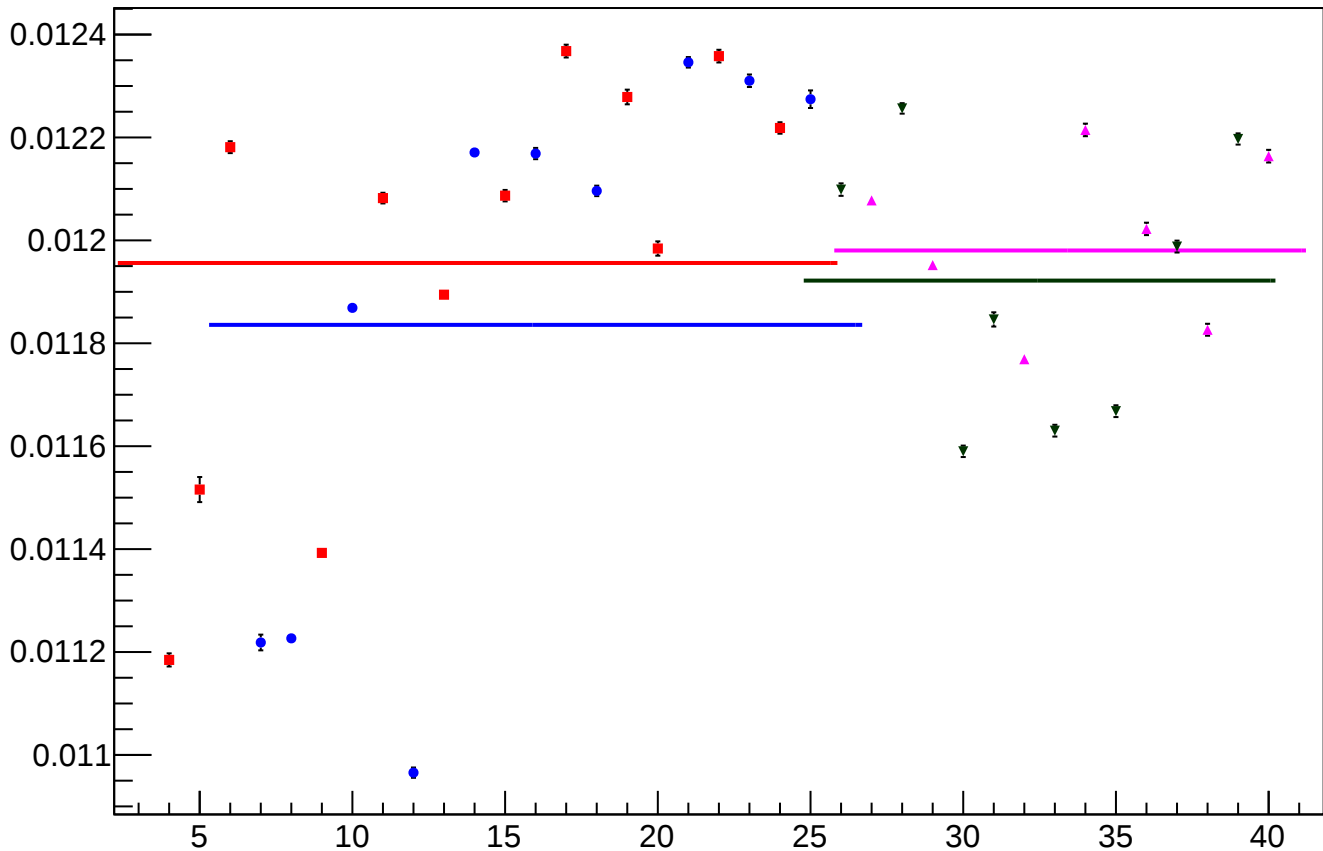
Right Out: -5.706+/-0.000 χ^2 /NDF: 393392324.7/11

Left In: -5.483+/-0.000 χ^2 /NDF:21721873.2/6

-5.600+/-0.000 χ^2 /NDF: 913968699.8/17

-5.613+/-0.000 χ^2 /NDF: 1341304978.9/18

yield_bpm2i02Y_rms vs slug



Right In: 0.012+/-0.000 χ^2/NDF : 22267.5/9

Left Out: 0.012+/-0.000 χ^2/NDF : 4008.2/7

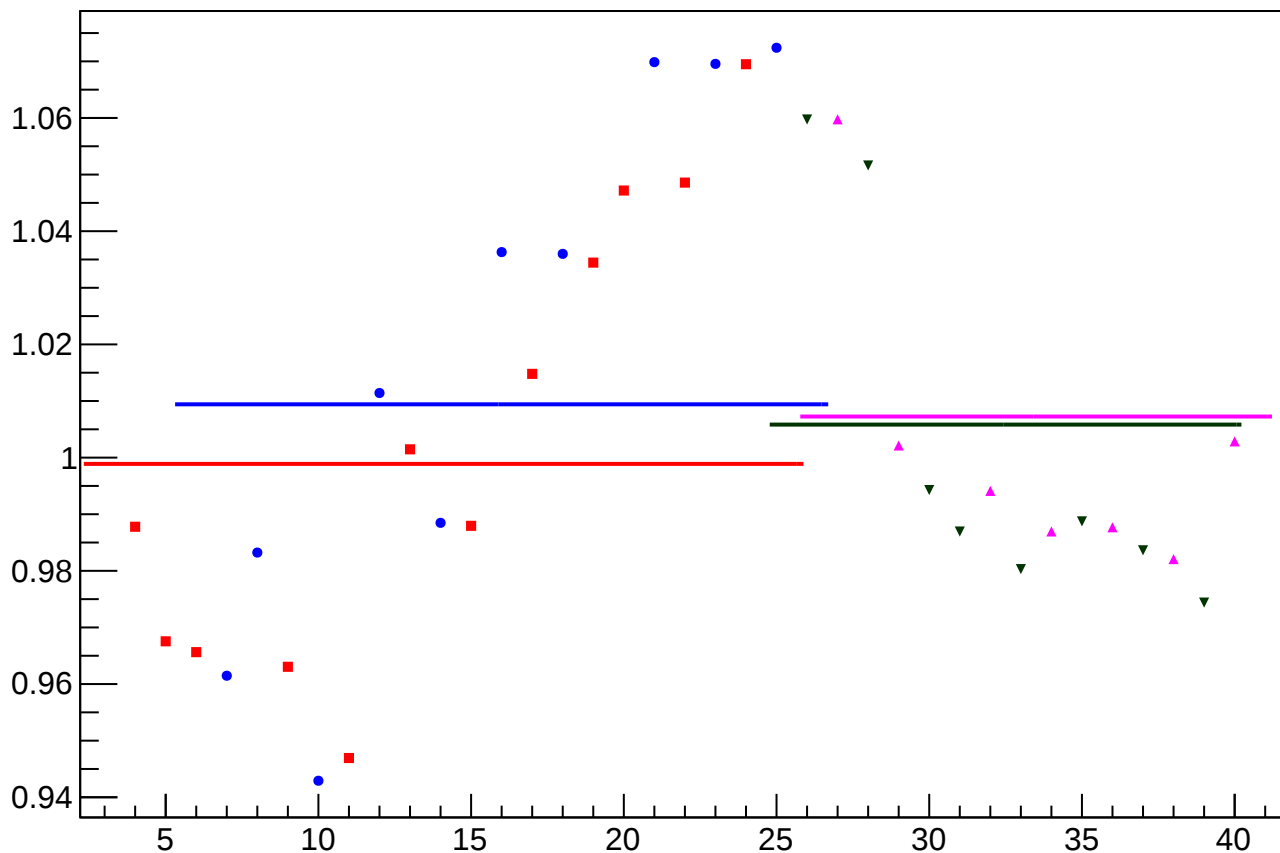
Right Out: 0.012+/-0.000 χ^2/NDF : 11709.7/11

Left In: 0.012+/-0.000 χ^2/NDF : 1473.2/6

0.012+/-0.000 χ^2/NDF : 26546.1/17

0.012+/-0.000 χ^2/NDF : 13204.8/18

yield_bpm1i04X_mean vs slug



Right In: 1.009+/-0.000 χ^2/NDF : 182212338.7/9

Left Out: 1.006+/-0.000 χ^2/NDF : 85815741.0/7

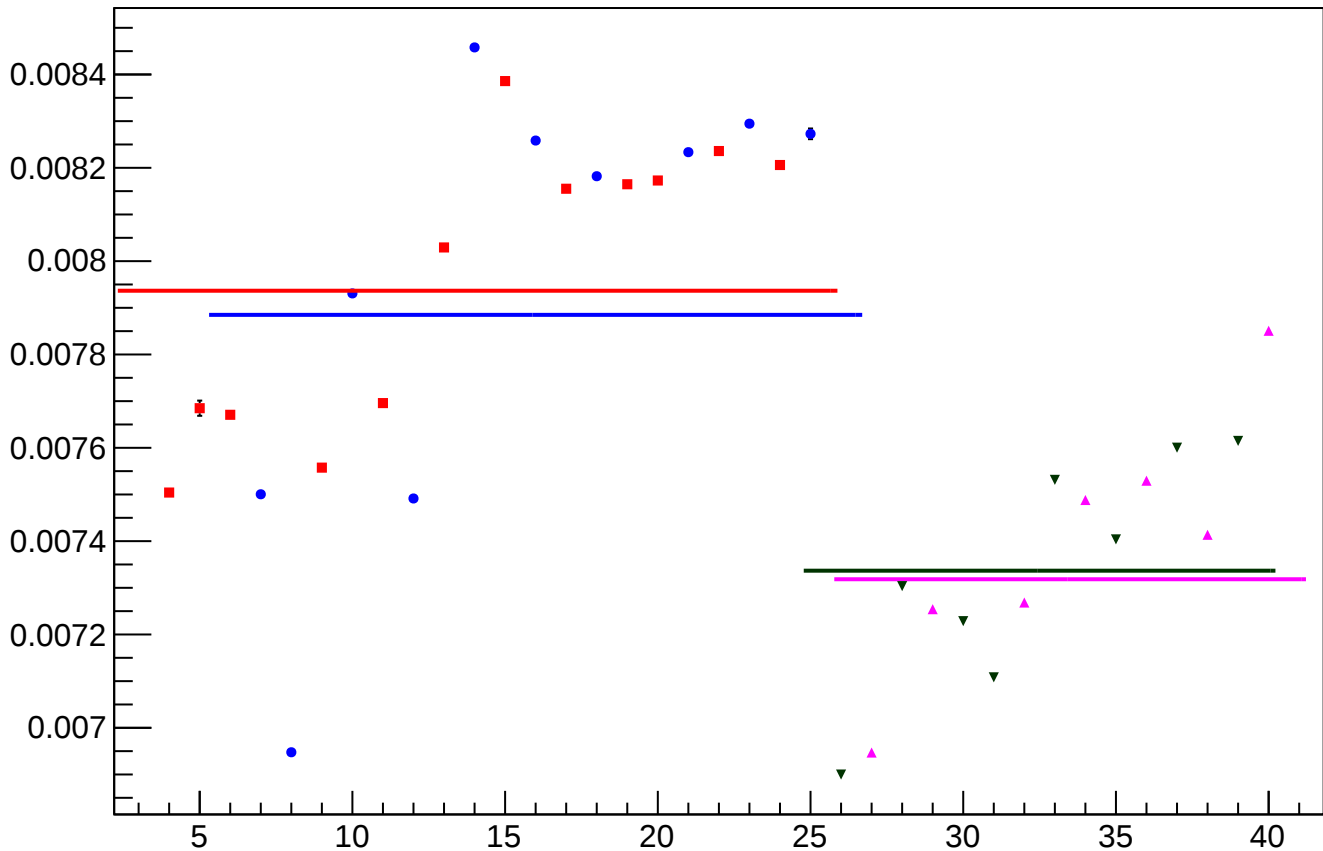
Right Out: 0.999+/-0.000 χ^2/NDF : 147584109.7/11

Left In: 1.007+/-0.000 χ^2/NDF : 64171830.1/6

1.008+/-0.000 χ^2/NDF : 268602474.6/17

1.003+/-0.000 χ^2/NDF : 214973242.9/18

yield_bpm1i04X_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 57917.9/9

Left Out: 0.007+/-0.000 χ^2/NDF : 8626.2/7

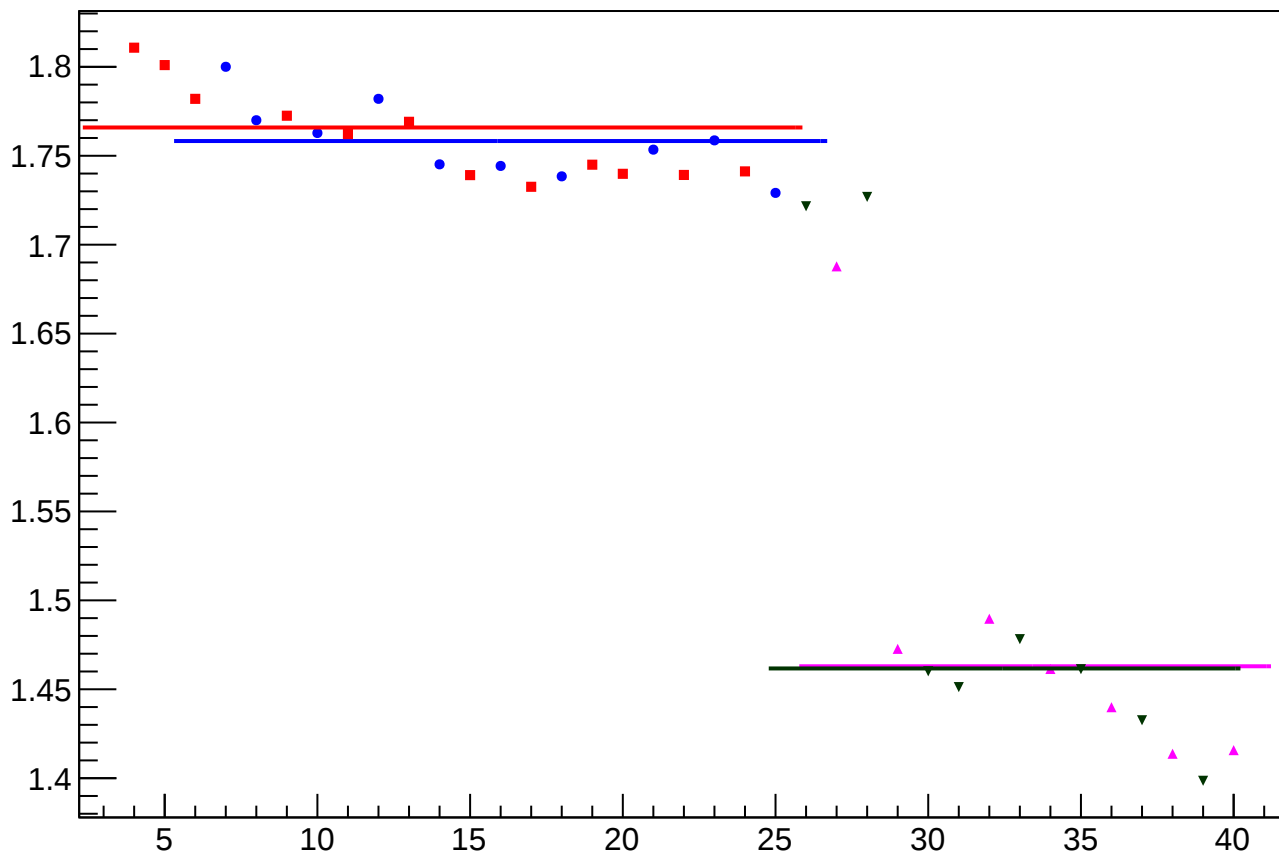
Right Out: 0.008+/-0.000 χ^2/NDF : 17438.8/11

Left In: 0.007+/-0.000 χ^2/NDF : 10872.4/6

0.008+/-0.000 χ^2/NDF : 93464.8/17

0.008+/-0.000 χ^2/NDF : 63458.3/18

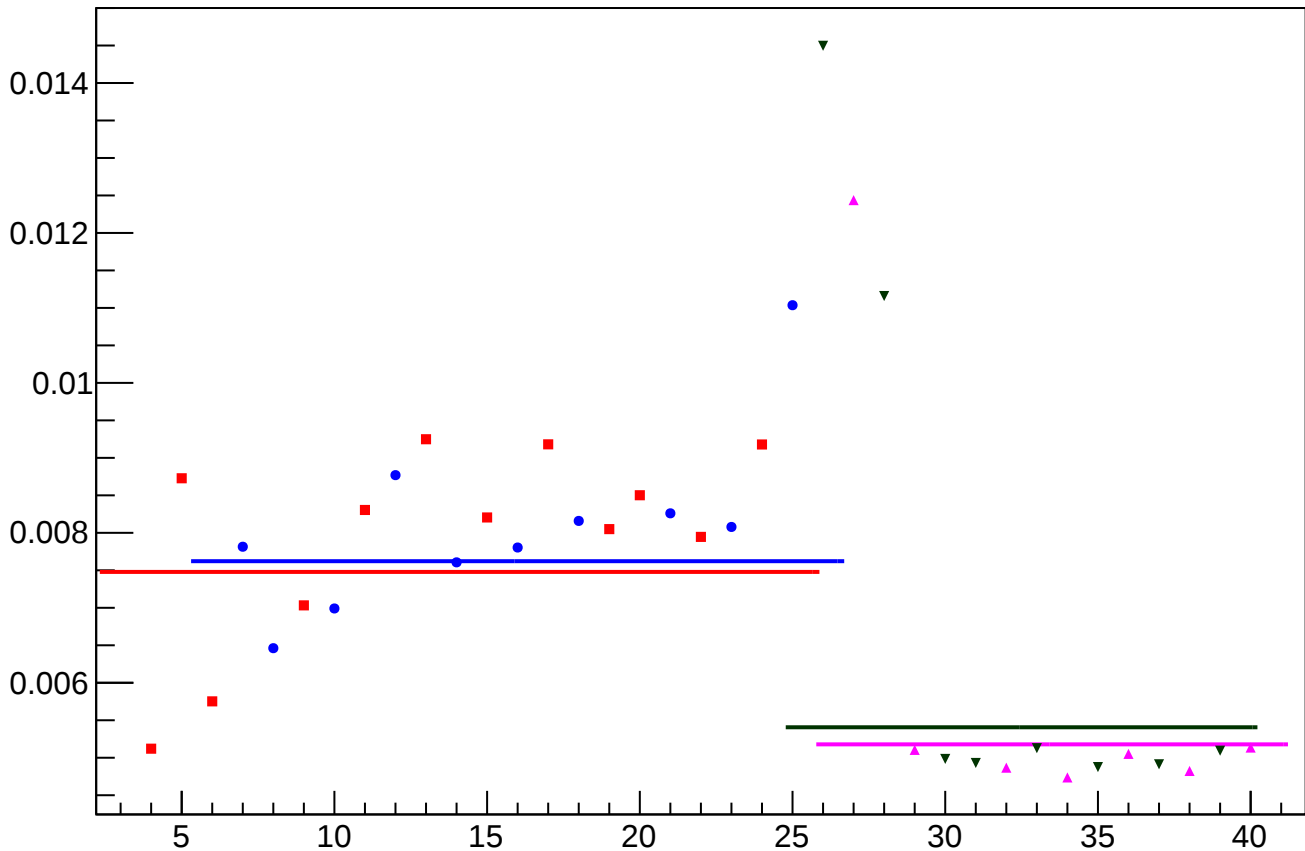
yield_bpm1i04Y_mean vs slug



Right In: 1.758+/-0.000 χ^2/NDF : 25411176.0/9
 Left Out: 1.462+/-0.000 χ^2/NDF : 624453588.8/7
 Right Out: 1.766+/-0.000 χ^2/NDF : 62233931.0/11
 Left In: 1.463+/-0.000 χ^2/NDF : 364438035.3/6

1.595+/-0.000 χ^2/NDF : 5658865830.4/17
 1.587+/-0.000 χ^2/NDF : 6094350520.9/18

yield_bpm1i04Y_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 152458.9/9

Left Out: 0.005+/-0.000 χ^2/NDF : 752778.7/7

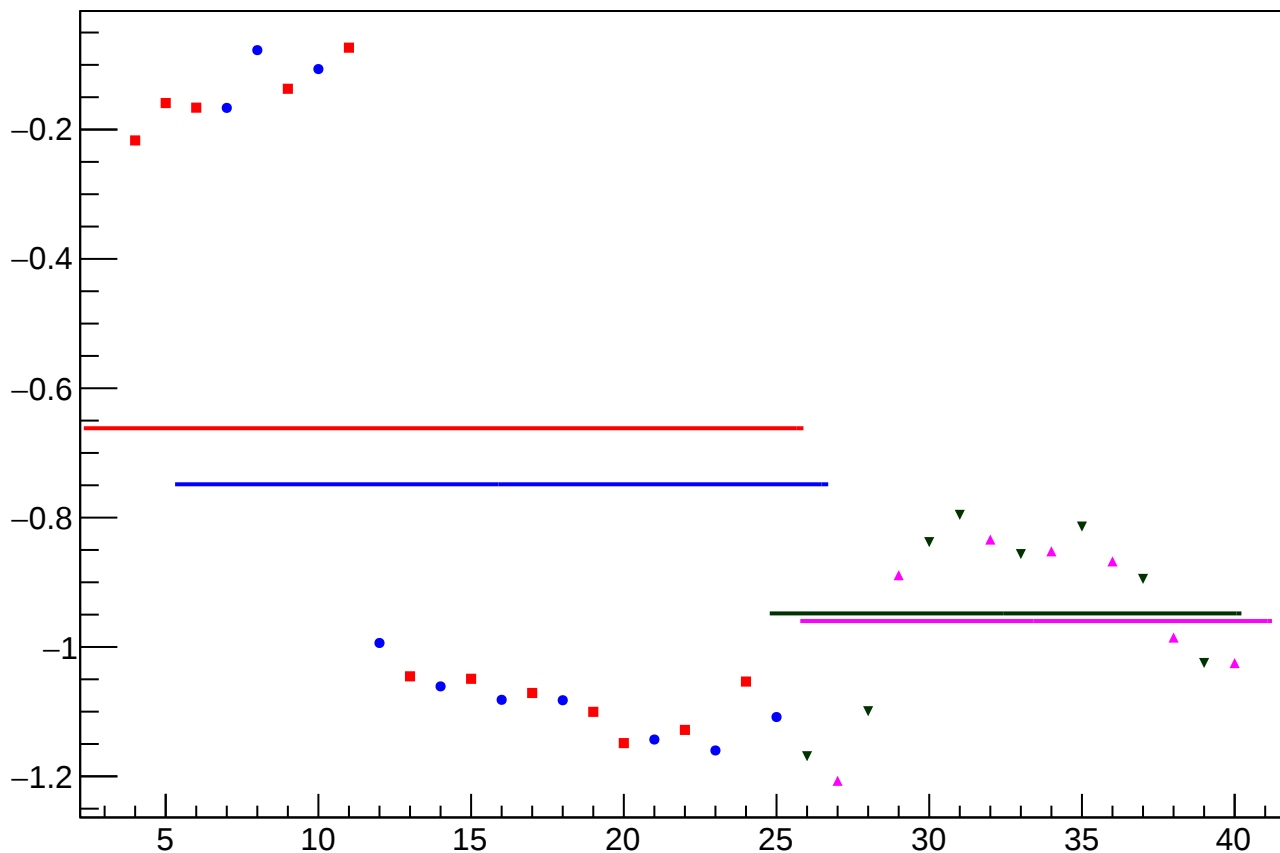
Right Out: 0.007+/-0.000 χ^2/NDF : 437086.3/11

Left In: 0.005+/-0.000 χ^2/NDF : 512584.6/6

0.006+/-0.000 χ^2/NDF : 1464198.1/17

0.006+/-0.000 χ^2/NDF : 1603024.3/18

yield_bpm0l01X_mean vs slug



Right In: -0.748+/-0.000 χ^2/NDF : 17438936914.1/9

Left Out: -0.948+/-0.000 χ^2/NDF : 970498399.5/7

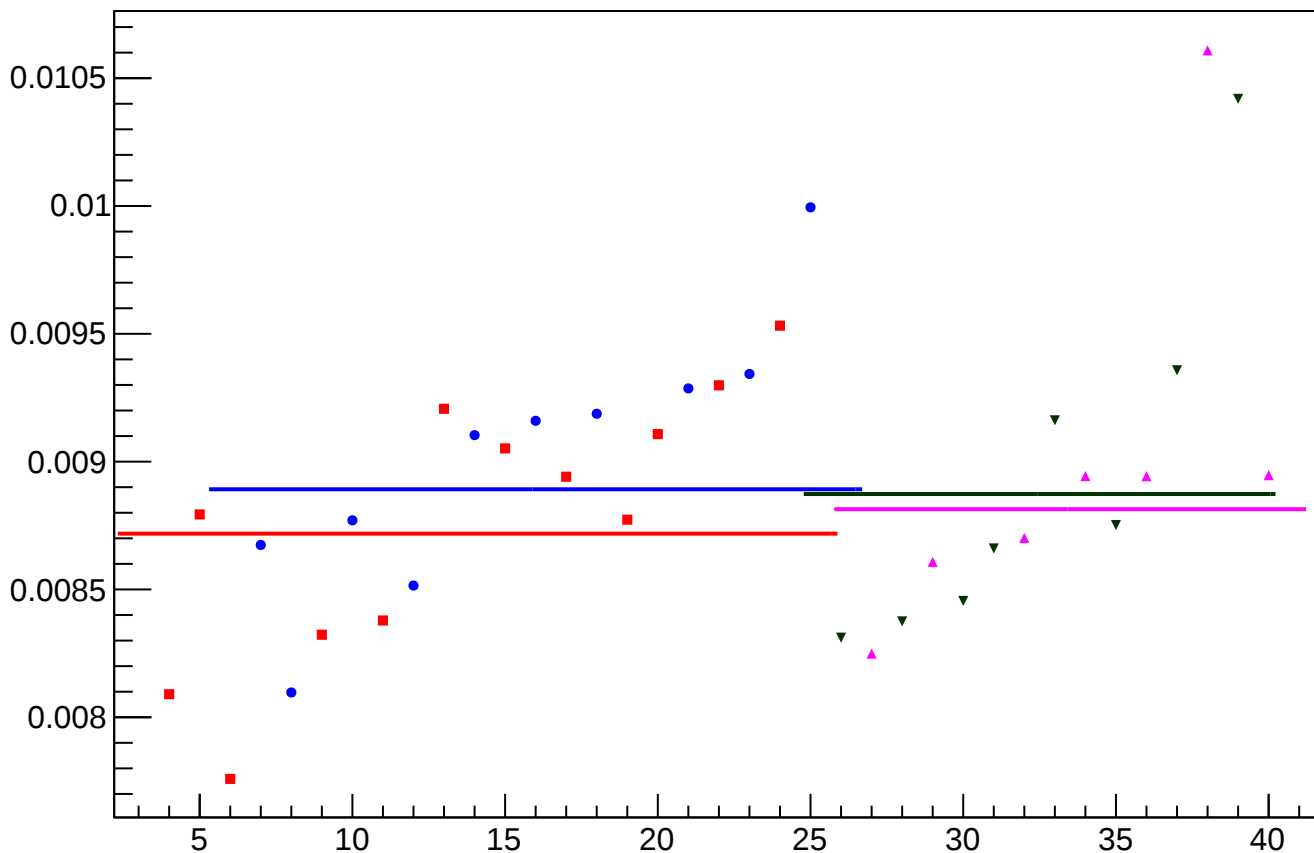
Right Out: -0.662+/-0.000 χ^2/NDF : 17756149128.0/11

Left In: -0.960+/-0.000 χ^2/NDF : 1132887588.6/6

-0.828+/-0.000 χ^2/NDF : 19673397002.5/17

-0.785+/-0.000 χ^2/NDF : 21894335100.3/18

yield_bpm0l01X_rms vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 34334.5/9

Left Out: 0.009+/-0.000 χ^2/NDF : 42903.3/7

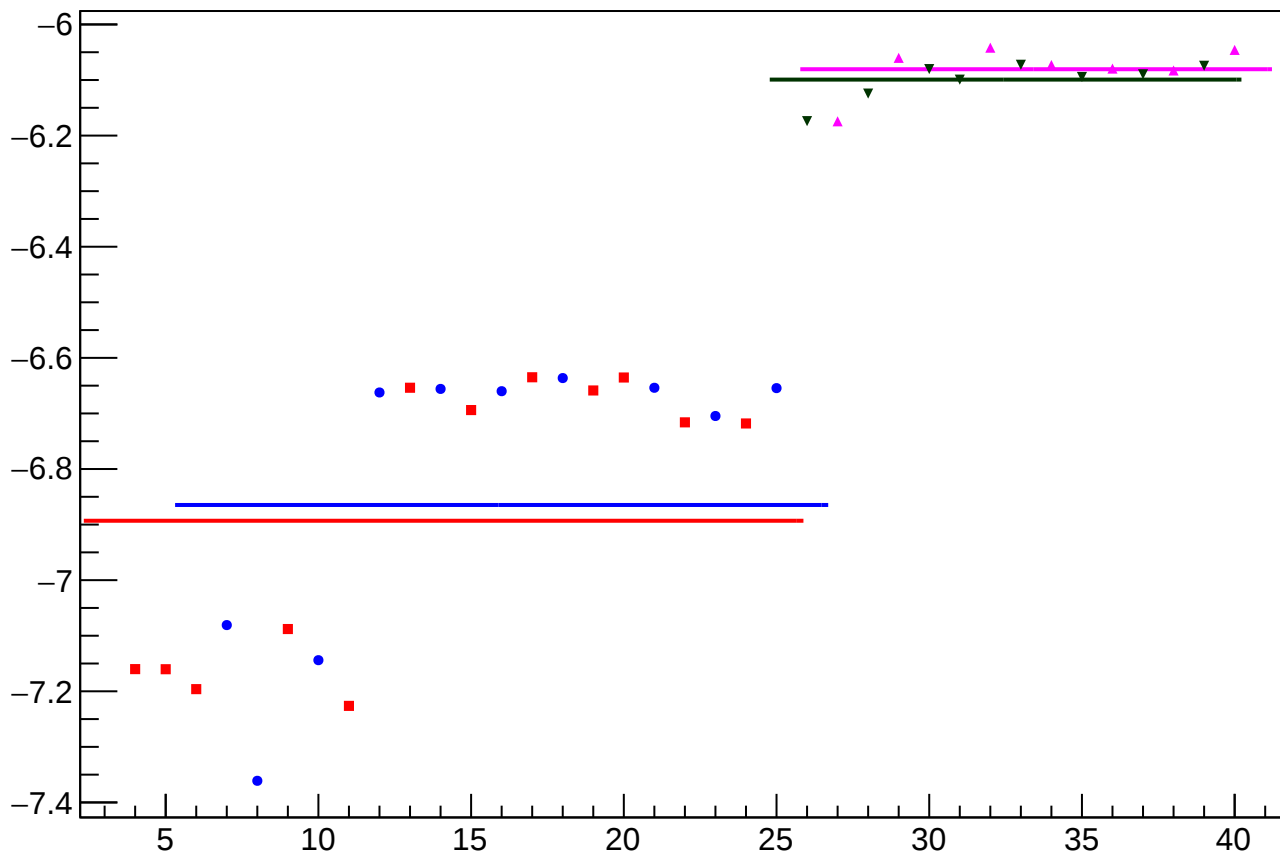
Right Out: 0.009+/-0.000 χ^2/NDF : 47651.1/11

Left In: 0.009+/-0.000 χ^2/NDF : 38723.3/6

0.009+/-0.000 χ^2/NDF : 77259.7/17

0.009+/-0.000 χ^2/NDF : 86993.6/18

yield_bpm0l01Y_mean vs slug



Right In: -6.865+/-0.000 χ^2/NDF : 6618589018.0/9

Left Out: -6.099+/-0.000 χ^2/NDF : 41266892.7/7

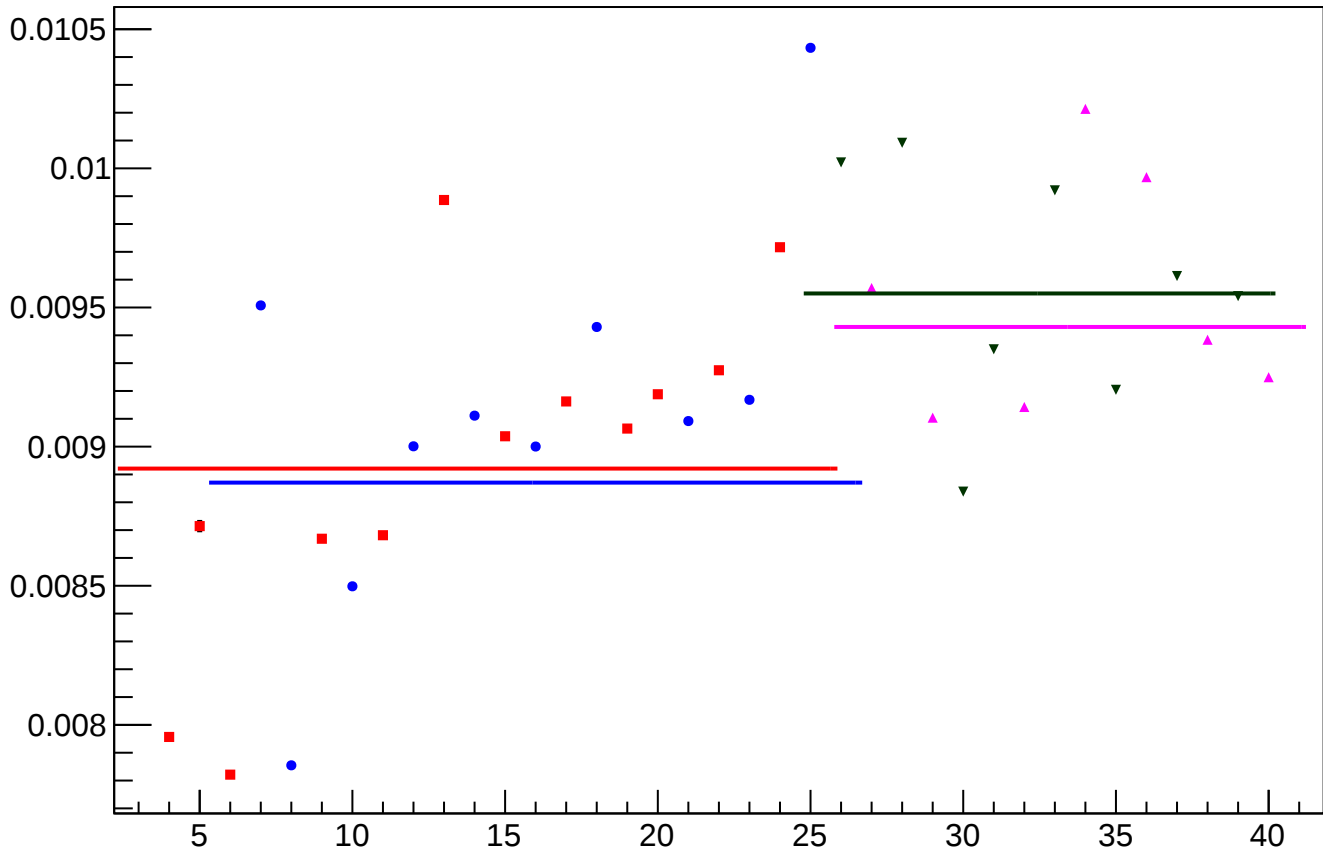
Right Out: -6.893+/-0.000 χ^2/NDF : 4705739160.1/11

Left In: -6.081+/-0.000 χ^2/NDF : 104614004.9/6

-6.588+/-0.000 χ^2/NDF : 23483204300.2/17

-6.572+/-0.000 χ^2/NDF : 24803562806.4/18

yield_bpm0l01Y_rms vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 53944.1/9

Left Out: 0.010+/-0.000 χ^2/NDF : 15761.2/7

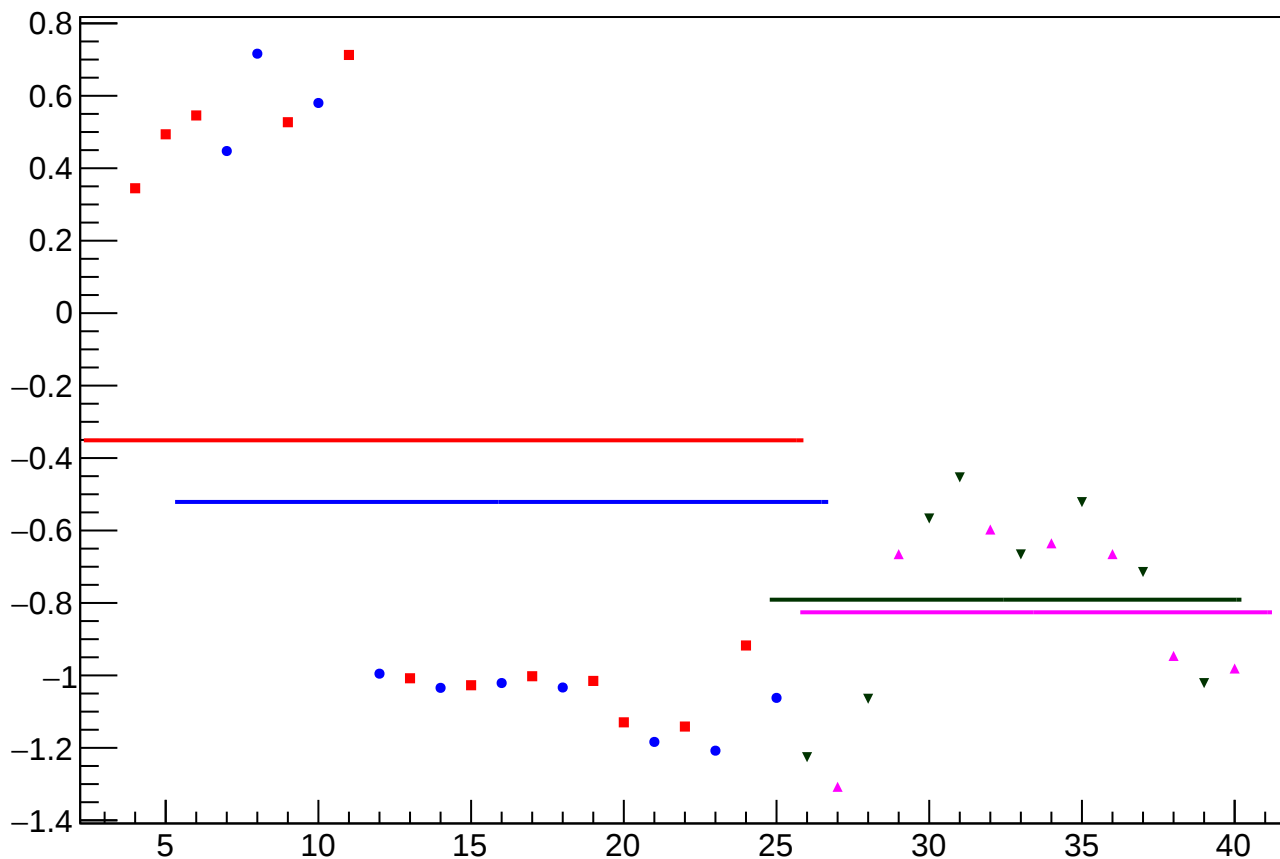
Right Out: 0.009+/-0.000 χ^2/NDF : 61199.2/11

Left In: 0.009+/-0.000 χ^2/NDF : 13141.1/6

0.009+/-0.000 χ^2/NDF : 96237.3/17

0.009+/-0.000 χ^2/NDF : 90029.8/18

yield_bpm0l02X_mean vs slug



Right In: -0.521+/-0.000 χ^2/NDF : 9220973673.4/9

Left Out: -0.791+/-0.000 χ^2/NDF : 903872912.6/7

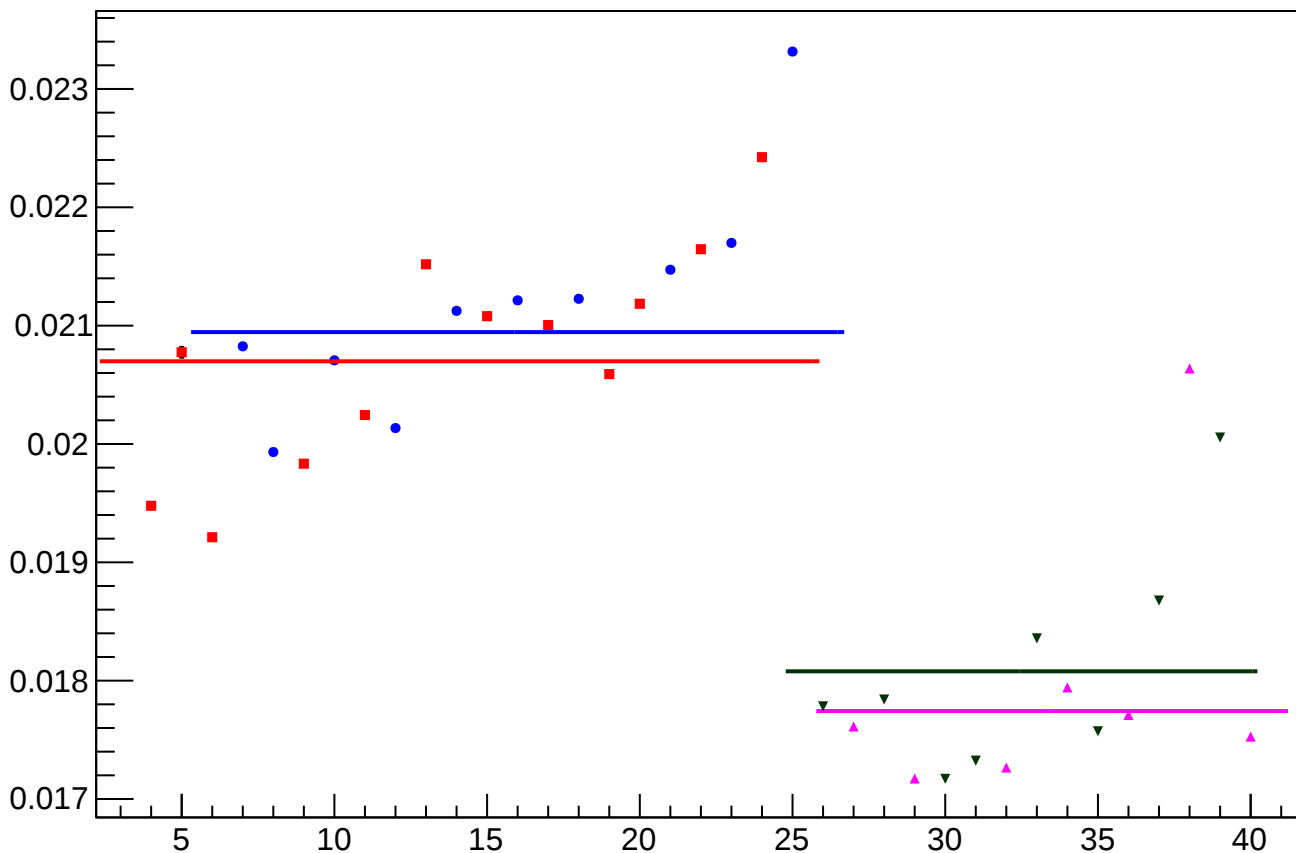
Right Out: -0.351+/-0.000 χ^2/NDF : 8987357685.6/11

Left In: -0.826+/-0.000 χ^2/NDF : 1000978384.8/6

-0.648+/-0.000 χ^2/NDF : 10619036504.0/17

-0.587+/-0.000 χ^2/NDF : 11616902408.2/18

yield_bpm0l02X_rms vs slug



Right In: 0.021+/-0.000 χ^2/NDF : 14569.8/9

Left Out: 0.018+/-0.000 χ^2/NDF :18973.0/7

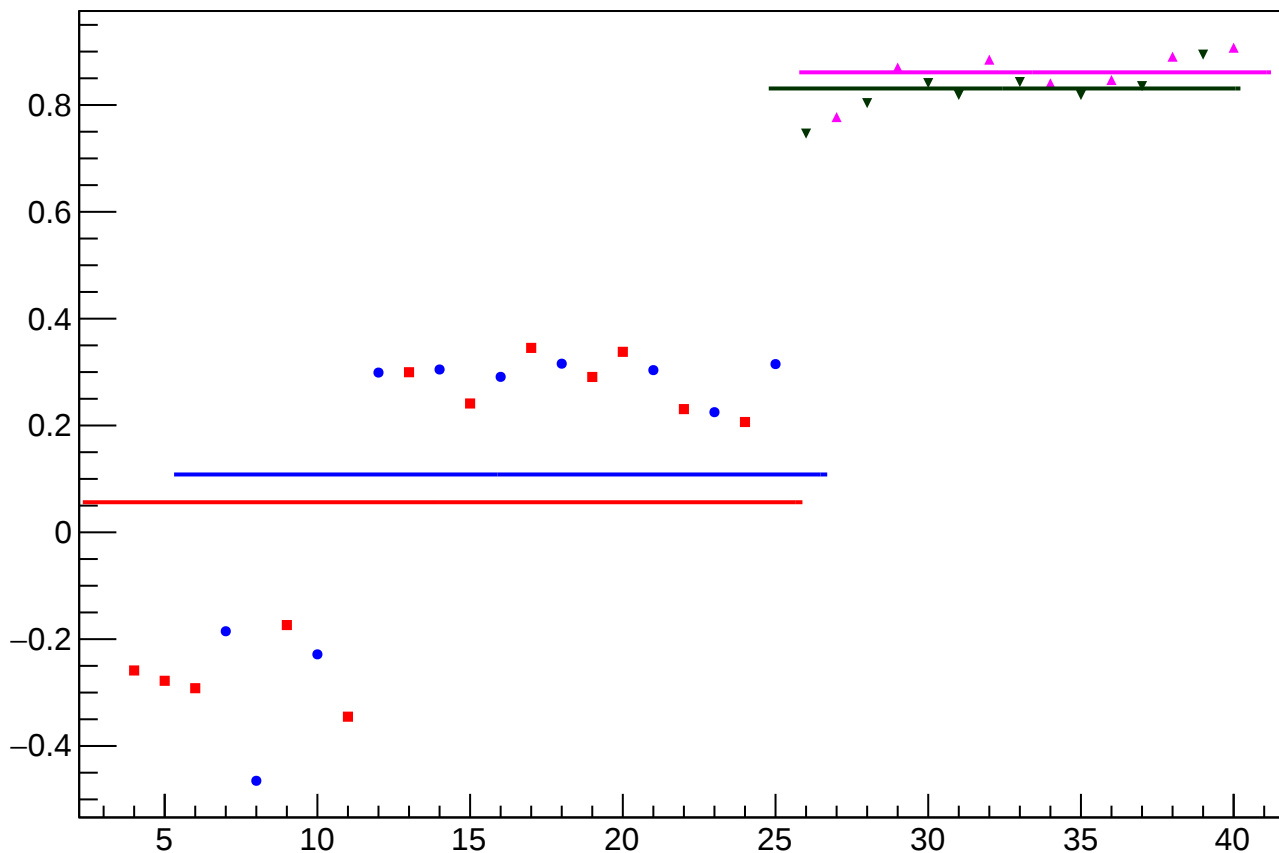
0.020+/-0.000 χ^2/NDF : 145070.7/17

Right Out: 0.021+/-0.000 χ^2/NDF : 25534.1/11

0.019+/-0.000 χ^2/NDF : 175400.0/18

Left In: 0.018+/-0.000 χ^2/NDF :23619.9/6

yield_bpm0l02Y_mean vs slug



Right In: 0.108+/-0.000 χ^2/NDF : 3631955649.9/9

Left Out: 0.831+/-0.000 χ^2/NDF : 41606975.9/7

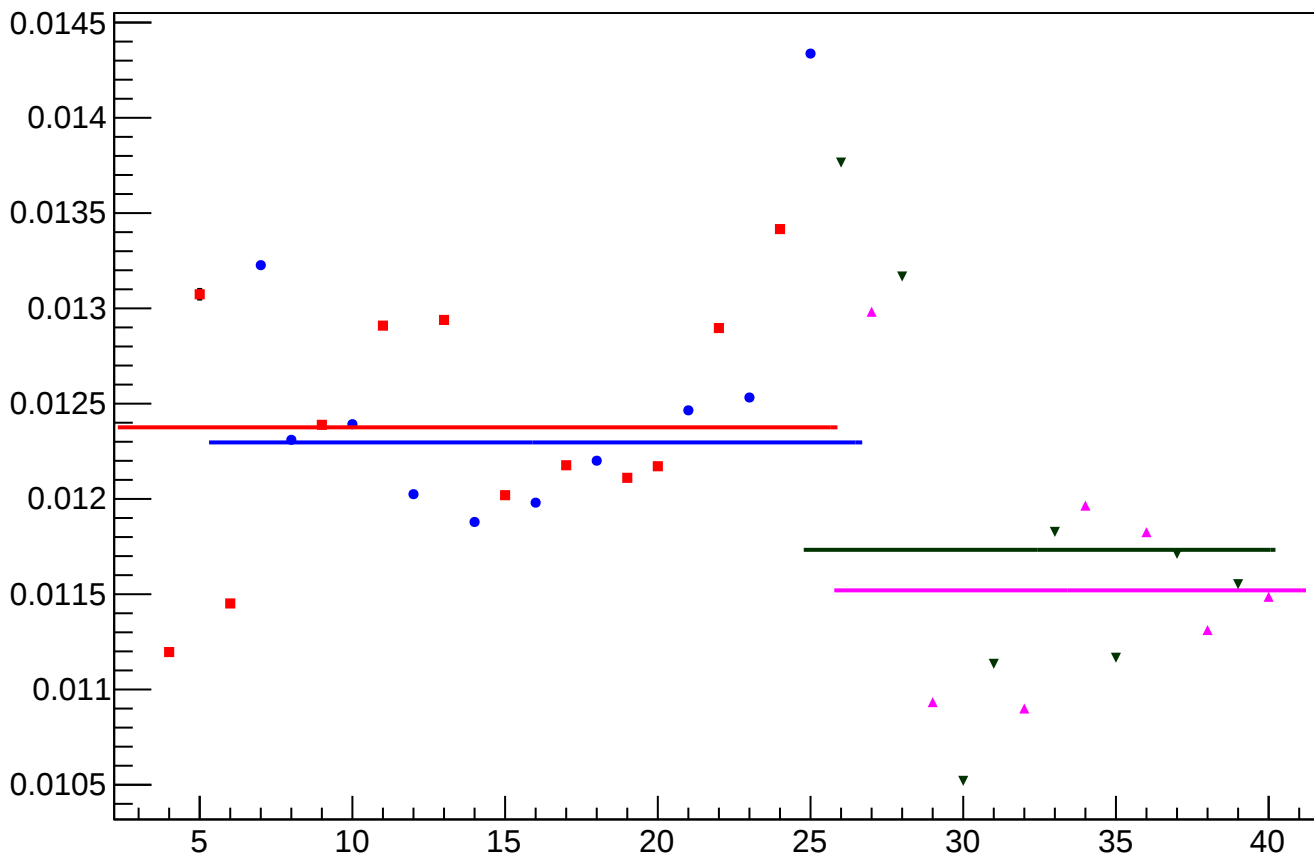
0.412+/-0.000 χ^2/NDF : 12786153416.9/17

Right Out: 0.056+/-0.000 χ^2/NDF : 2963825797.0/11

0.424+/-0.000 χ^2/NDF : 14885558520.5/18

Left In: 0.861+/-0.000 χ^2/NDF : 51843089.4/6

yield_bpm0l02Y_rms vs slug



Right In: 0.012+/-0.000 χ^2/NDF : 17281.6/9

Left Out: 0.012+/-0.000 χ^2/NDF : 55524.5/7

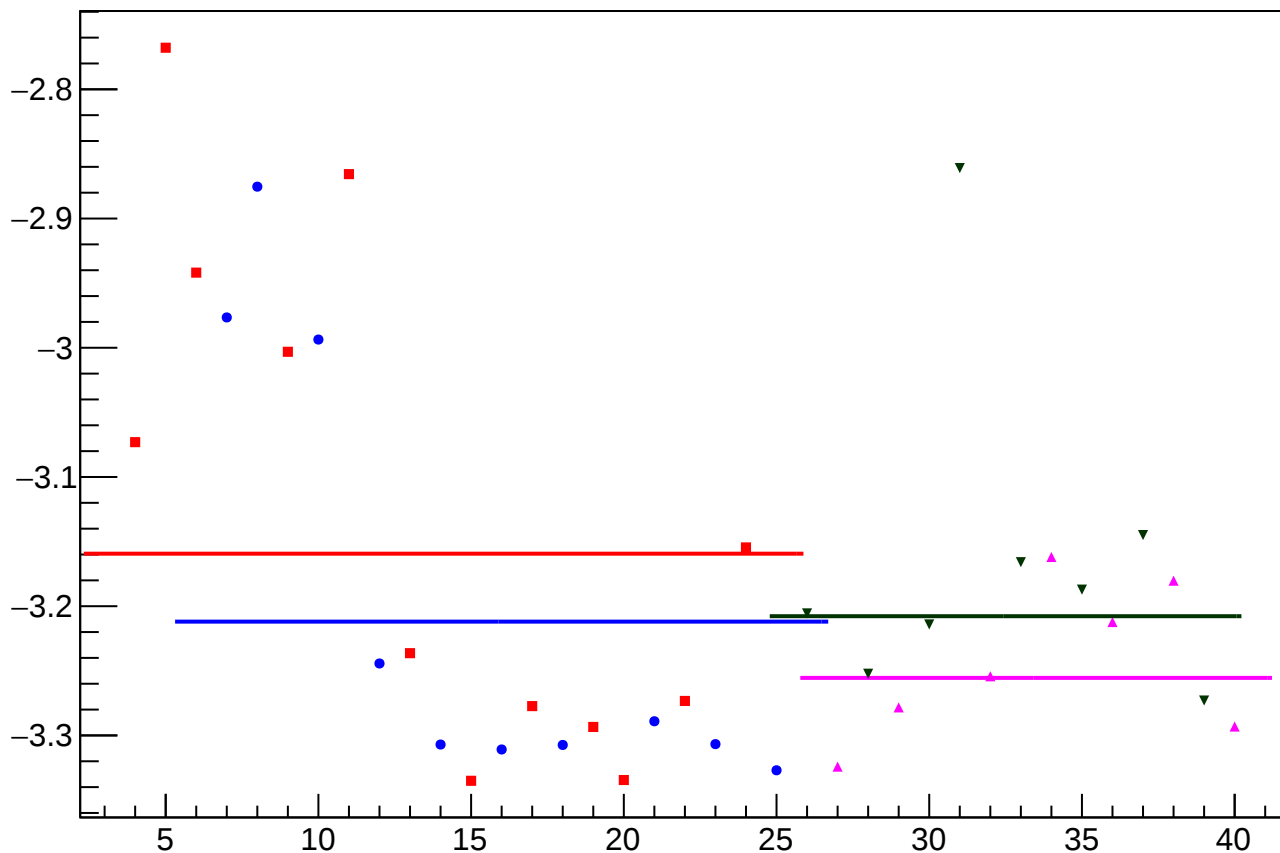
Right Out: 0.012+/-0.000 χ^2/NDF : 31560.7/11

Left In: 0.012+/-0.000 χ^2/NDF : 33422.8/6

0.012+/-0.000 χ^2/NDF : 83891.0/17

0.012+/-0.000 χ^2/NDF : 91811.5/18

yield_bpm0l03X_mean vs slug



Right In: -3.212+/-0.000 χ^2/NDF : 2232010531.1/9

Left Out: -3.208+/-0.000 χ^2/NDF : 317210592.3/7

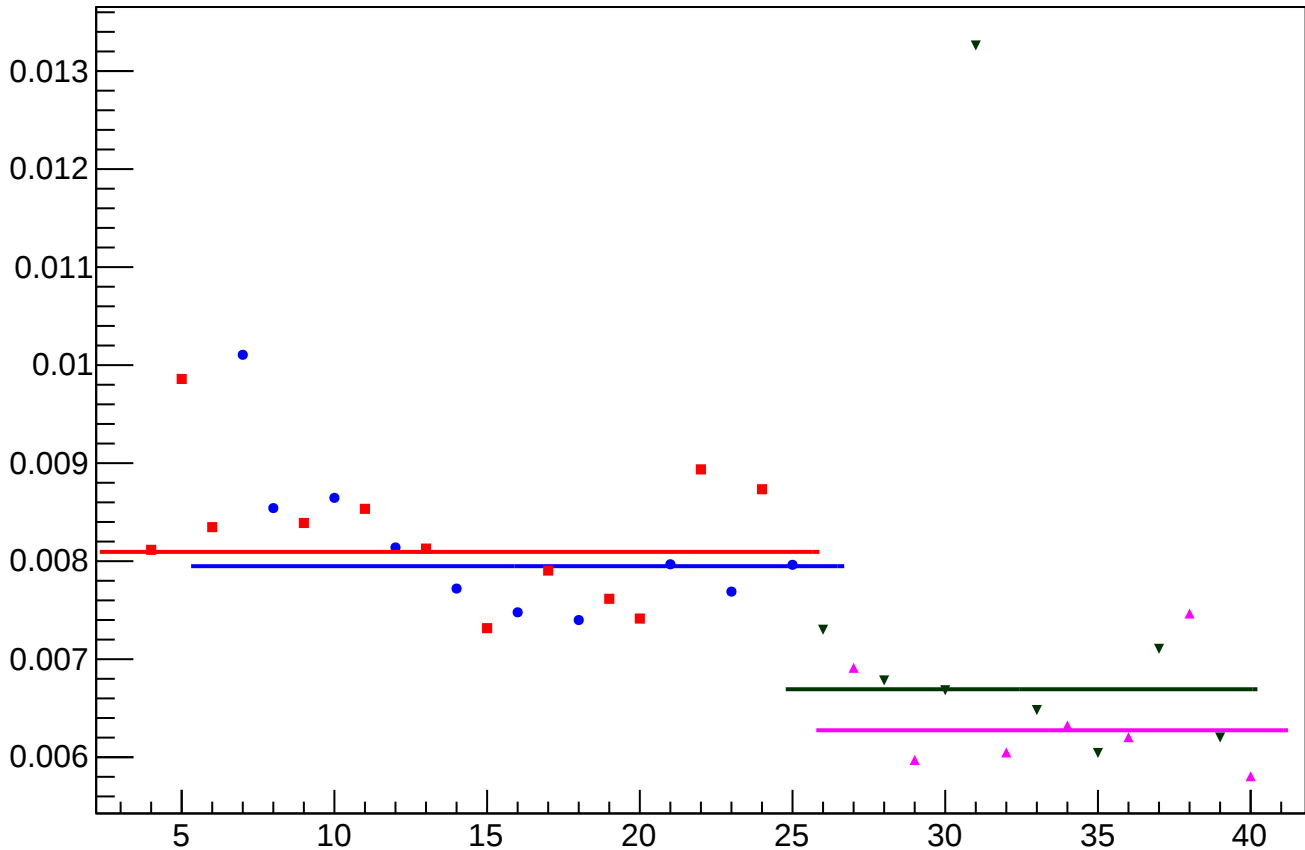
Right Out: -3.159+/-0.000 χ^2/NDF : 2193027591.1/11

Left In: -3.255+/-0.000 χ^2/NDF : 260851093.7/6

-3.210+/-0.000 χ^2/NDF : 2549935751.3/17

-3.214+/-0.000 χ^2/NDF : 2870781146.3/18

yield_bpm0l03X_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 42380.1/9

Left Out: 0.007+/-0.000 χ^2/NDF :156367.6/7

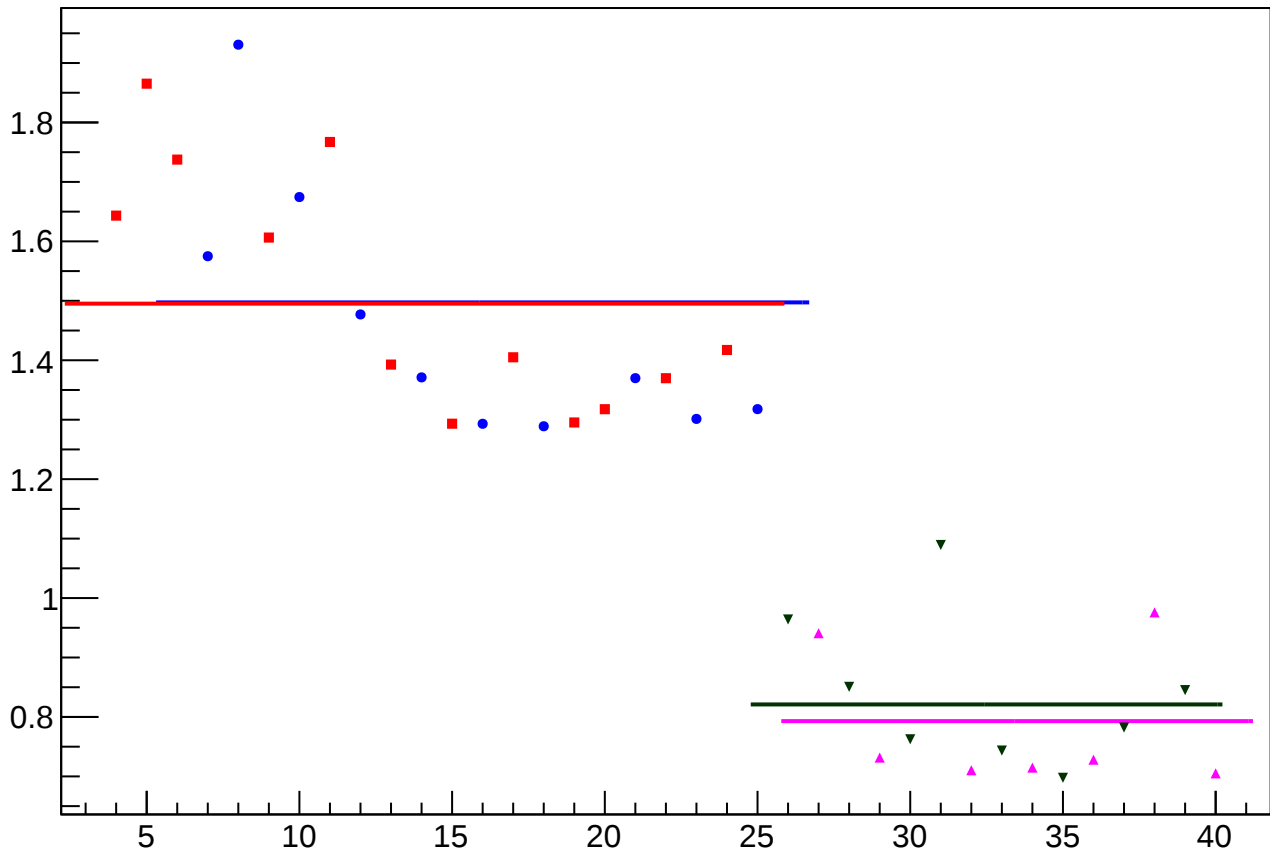
0.007+/-0.000 χ^2/NDF : 326984.6/17

Right Out: 0.008+/-0.000 χ^2/NDF : 41566.1/11

0.007+/-0.000 χ^2/NDF : 386627.1/18

Left In: 0.006+/-0.000 χ^2/NDF :46179.4/6

yield_bpm0l03Y_mean vs slug



Right In: 1.497 $\pm$ 0.000 χ^2/NDF : 5019721758.5/9

Left Out: 0.821 $\pm$ 0.000 χ^2/NDF : 340148426.5/7

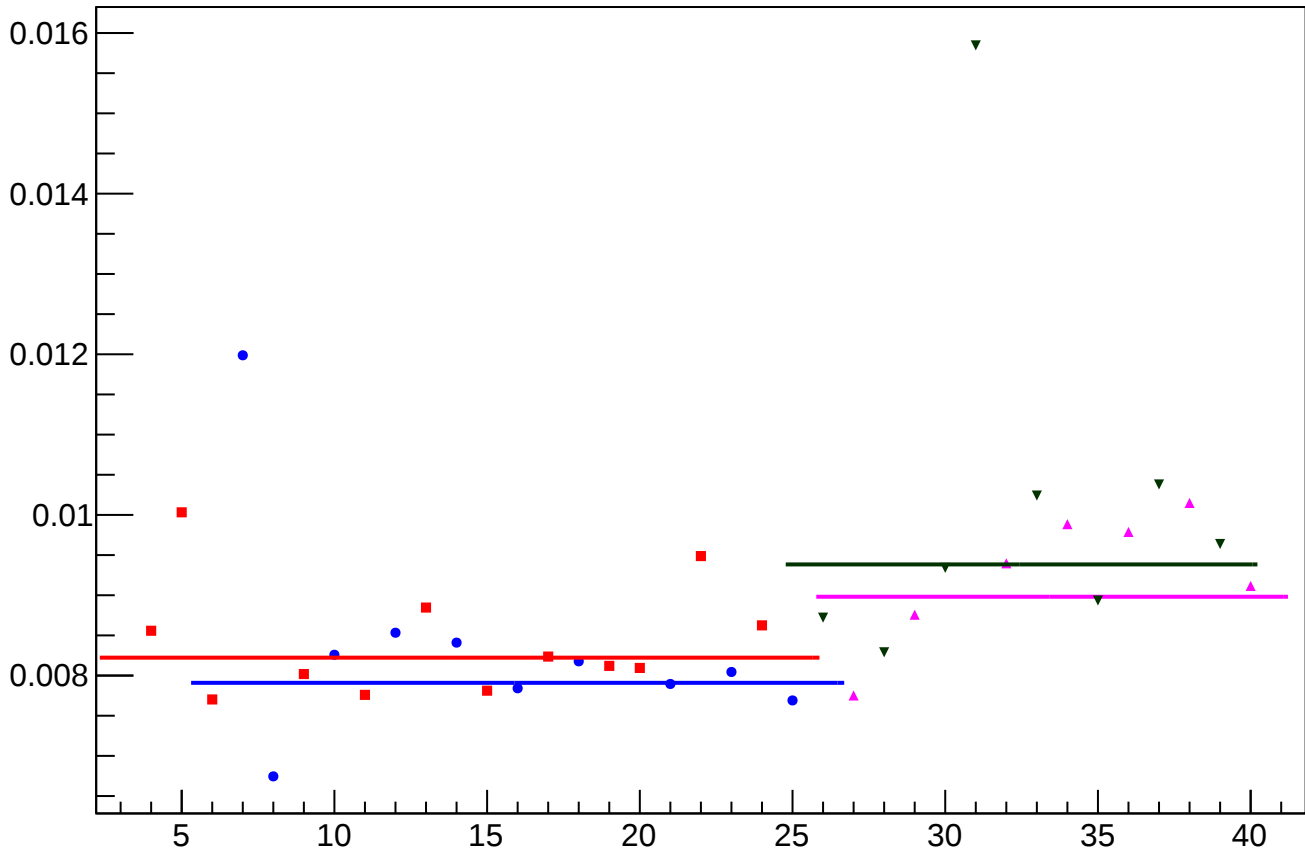
1.290 $\pm$ 0.000 χ^2/NDF : 17537629217.2/17

Right Out: 1.495 $\pm$ 0.000 χ^2/NDF : 2404671234.5/11

1.215 $\pm$ 0.000 χ^2/NDF : 17890229581.0/18

Left In: 0.793 $\pm$ 0.000 χ^2/NDF : 589086253.9/6

yield_bpm0l03Y_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 91526.9/9

Left Out: 0.009+/-0.000 χ^2/NDF : 131068.9/7

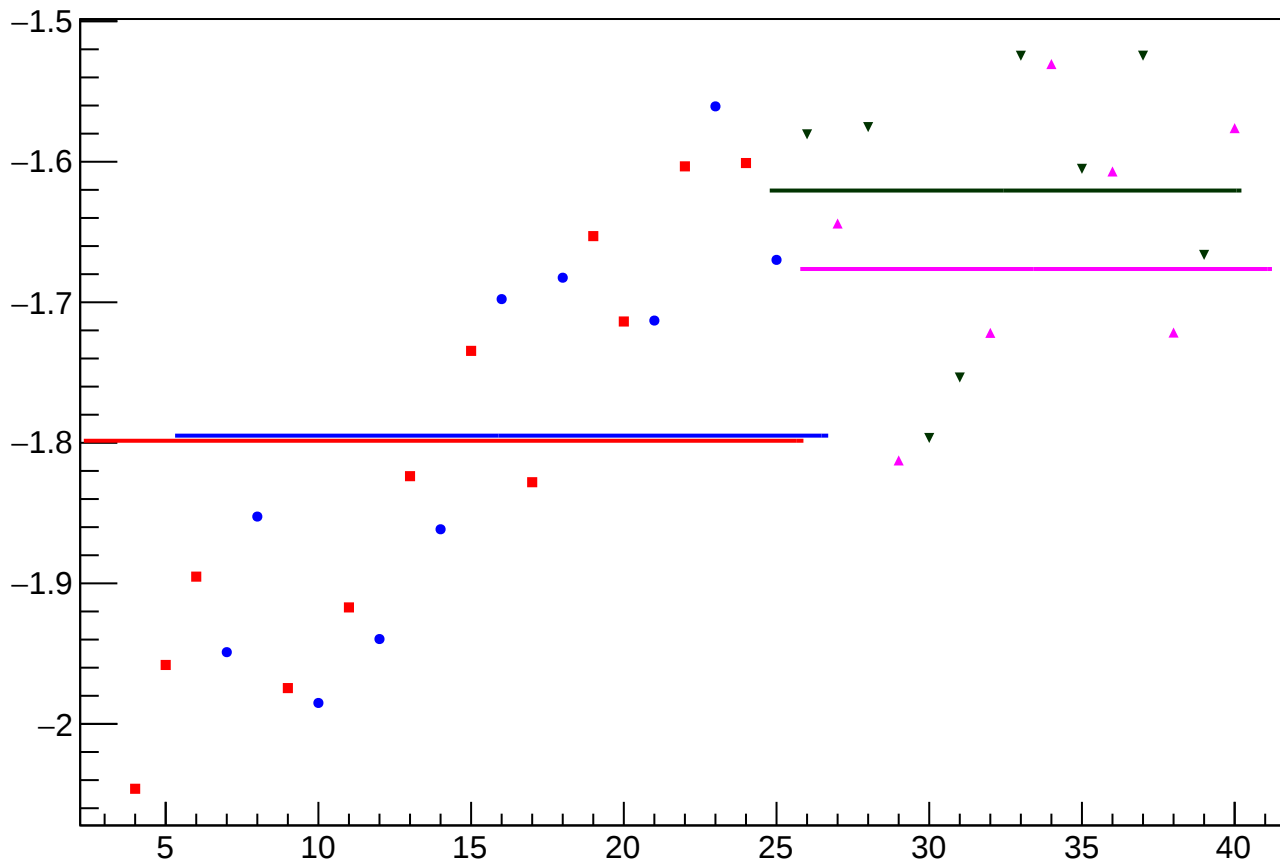
Right Out: 0.008+/-0.000 χ^2/NDF : 38168.5/11

Left In: 0.009+/-0.000 χ^2/NDF : 65063.7/6

0.008+/-0.000 χ^2/NDF : 338318.3/17

0.009+/-0.000 χ^2/NDF : 137975.3/18

yield_bpm0l04X_mean vs slug



Right In: -1.795+/-0.000 χ^2/NDF : 835574790.6/9

Left Out: -1.620+/-0.000 χ^2/NDF : 253436462.8/7

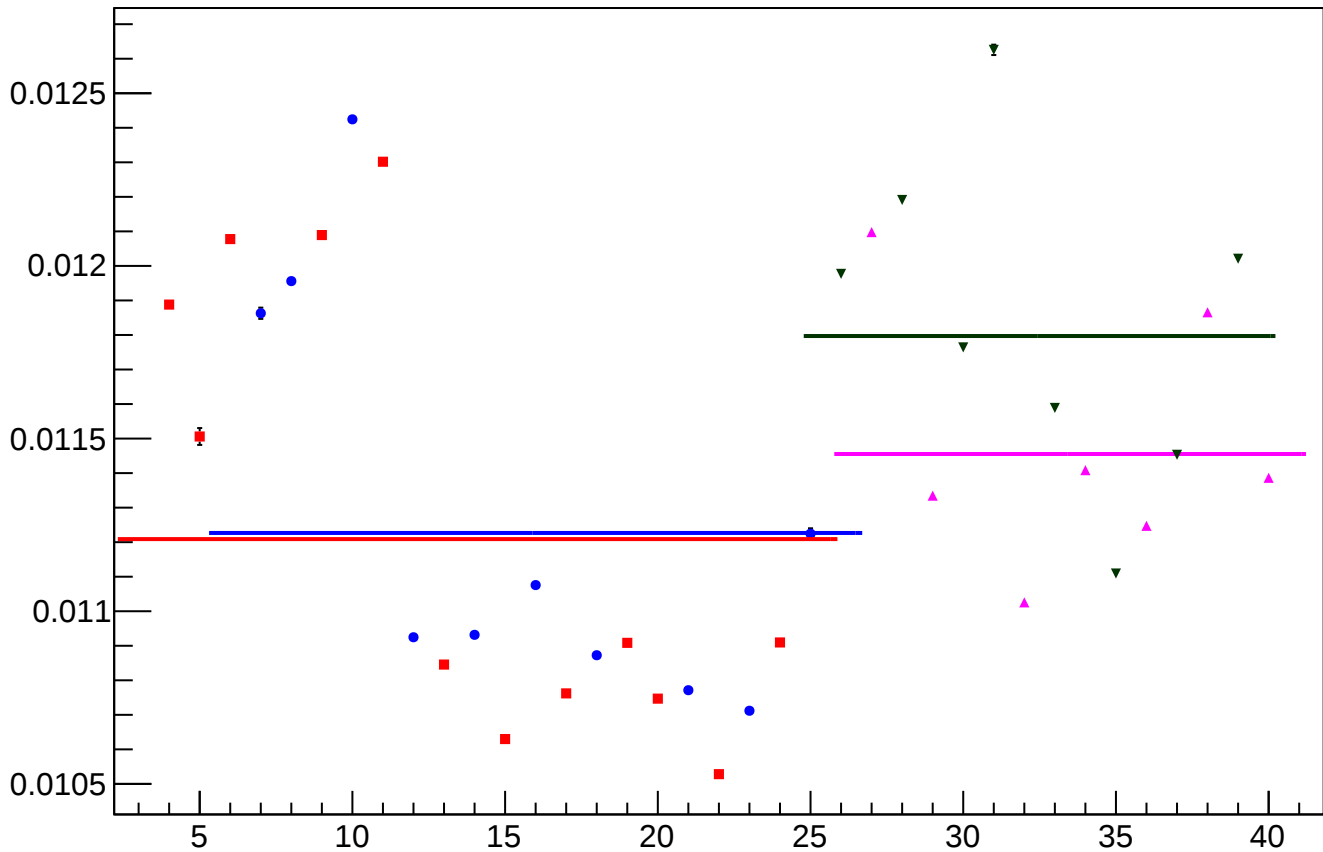
Right Out: -1.799+/-0.000 χ^2/NDF : 930787190.3/11

Left In: -1.676+/-0.000 χ^2/NDF : 287219050.0/6

-1.730+/-0.000 χ^2/NDF : 1663789482.6/17

-1.748+/-0.000 χ^2/NDF : 1523628593.9/18

yield_bpm0l04X_rms vs slug



Right In: 0.011+/-0.000 χ^2/NDF : 32205.5/9

Left Out: 0.012+/-0.000 χ^2/NDF :10328.6/7

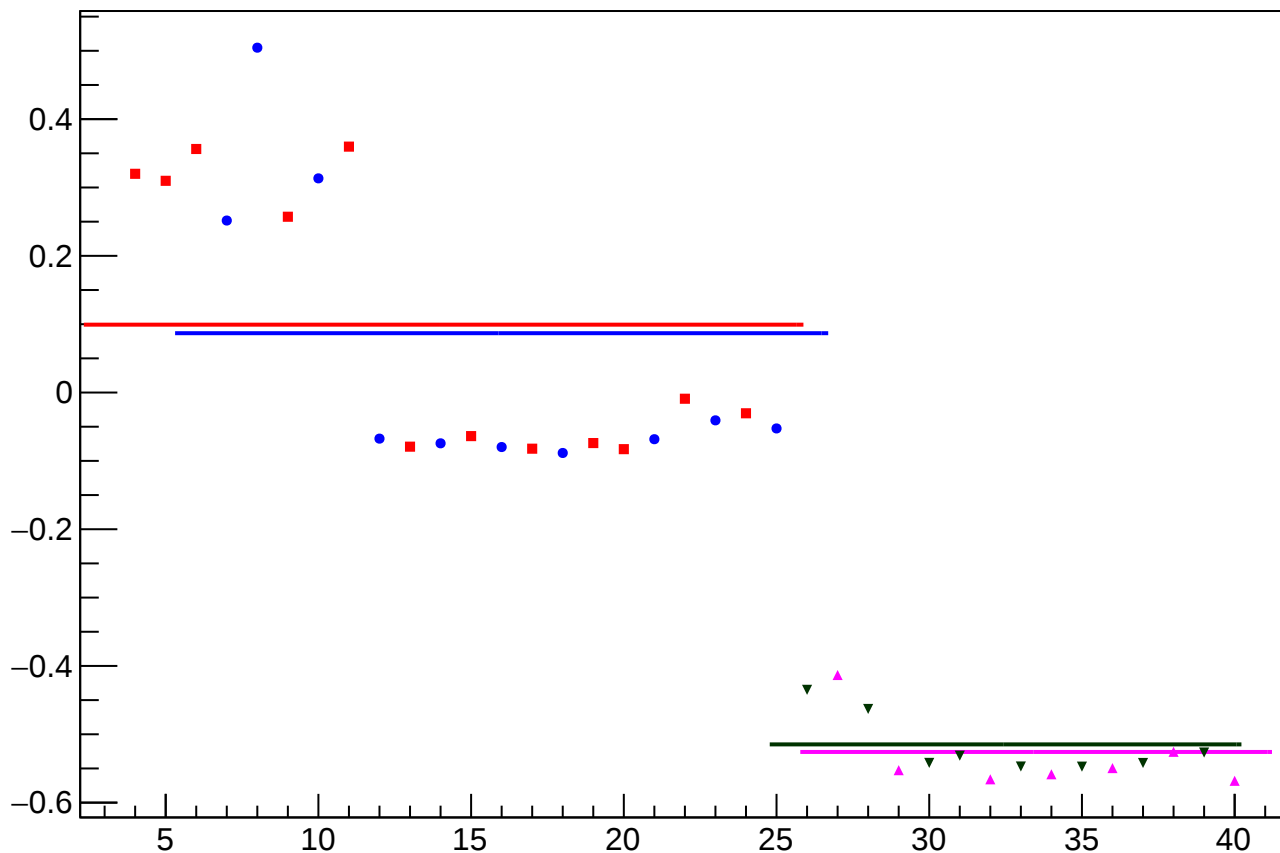
Right Out: 0.011+/-0.000 χ^2/NDF : 41113.0/11

Left In: 0.011+/-0.000 χ^2/NDF :9232.9/6

0.011+/-0.000 χ^2/NDF : 54826.0/17

0.011+/-0.000 χ^2/NDF : 52831.5/18

yield_bpm0l04Y_mean vs slug



Right In: 0.087+/-0.000 χ^2/NDF : 6587794227.2/9

Left Out: -0.515+/-0.000 χ^2/NDF : 109936047.7/7

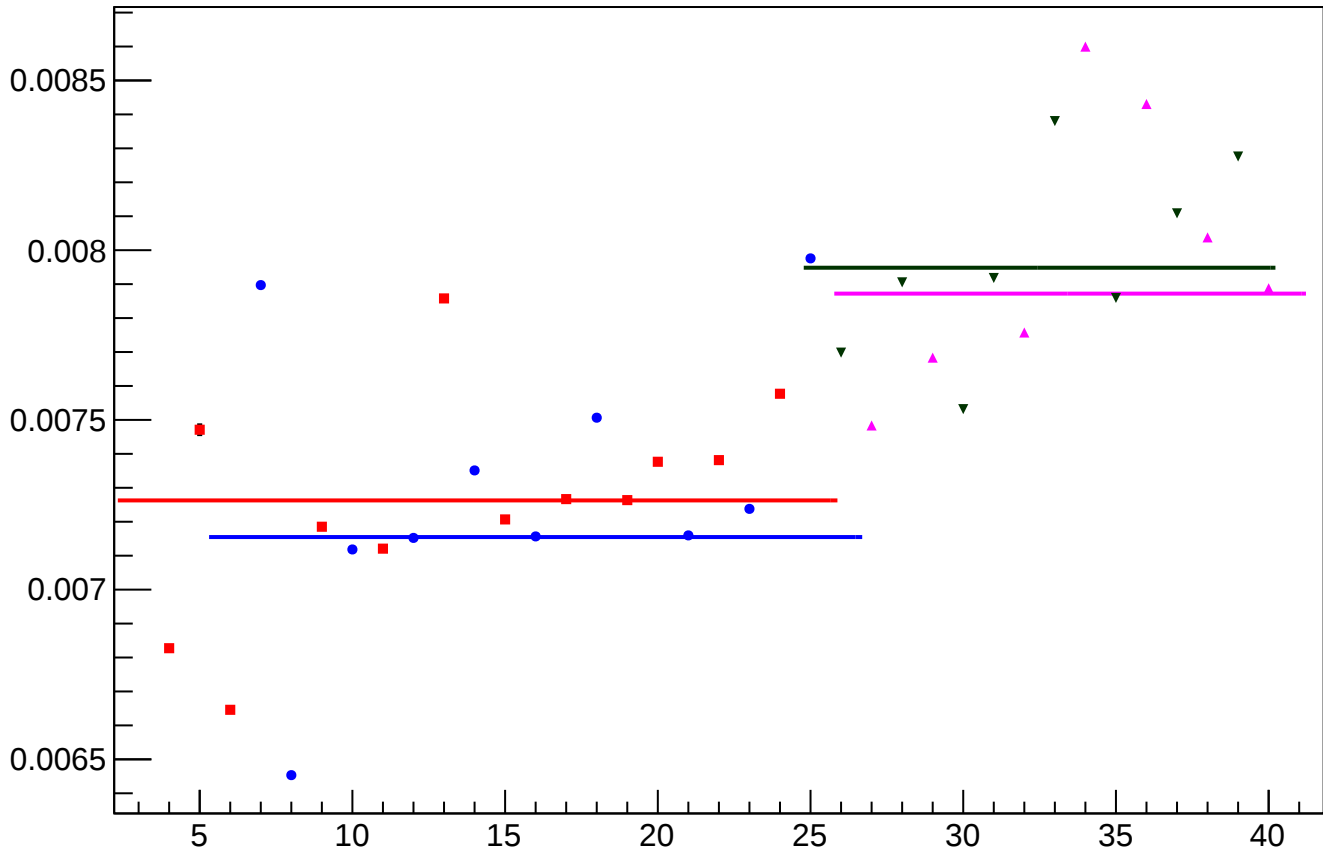
Right Out: 0.099+/-0.000 χ^2/NDF : 4238157293.7/11

Left In: -0.526+/-0.000 χ^2/NDF : 244084988.3/6

-0.122+/-0.000 χ^2/NDF : 22103050549.3/17

-0.141+/-0.000 χ^2/NDF : 21888725453.9/18

yield_bpm0l04Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 35013.6/9

Left Out: 0.008+/-0.000 χ^2/NDF : 9392.6/7

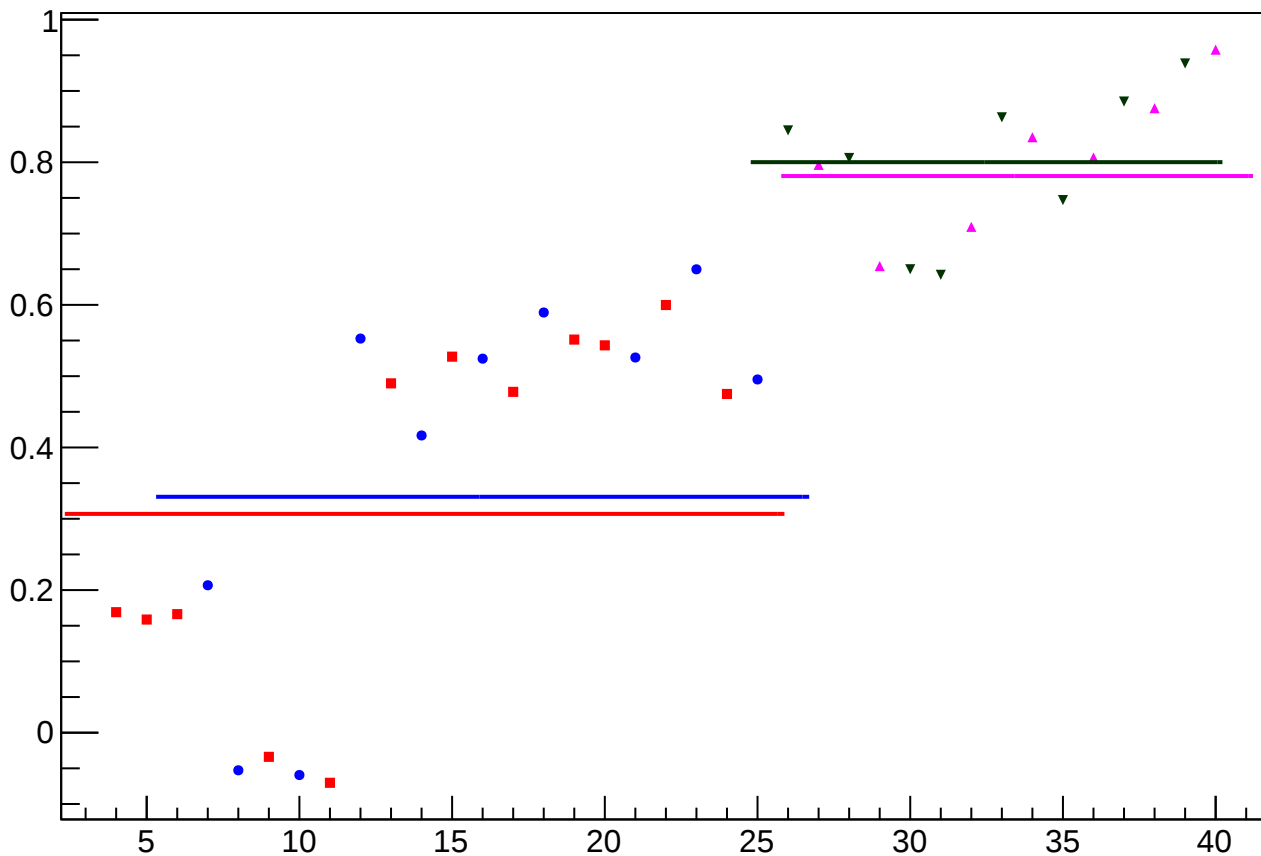
Right Out: 0.007+/-0.000 χ^2/NDF : 25457.6/11

Left In: 0.008+/-0.000 χ^2/NDF : 17507.9/6

0.007+/-0.000 χ^2/NDF : 97998.6/17

0.007+/-0.000 χ^2/NDF : 76028.3/18

yield_bpm0l05X_mean vs slug



Right In: 0.331+/-0.000 χ^2/NDF : 10288533334.9/9

Left Out: 0.800+/-0.000 χ^2/NDF : 867843070.7/7

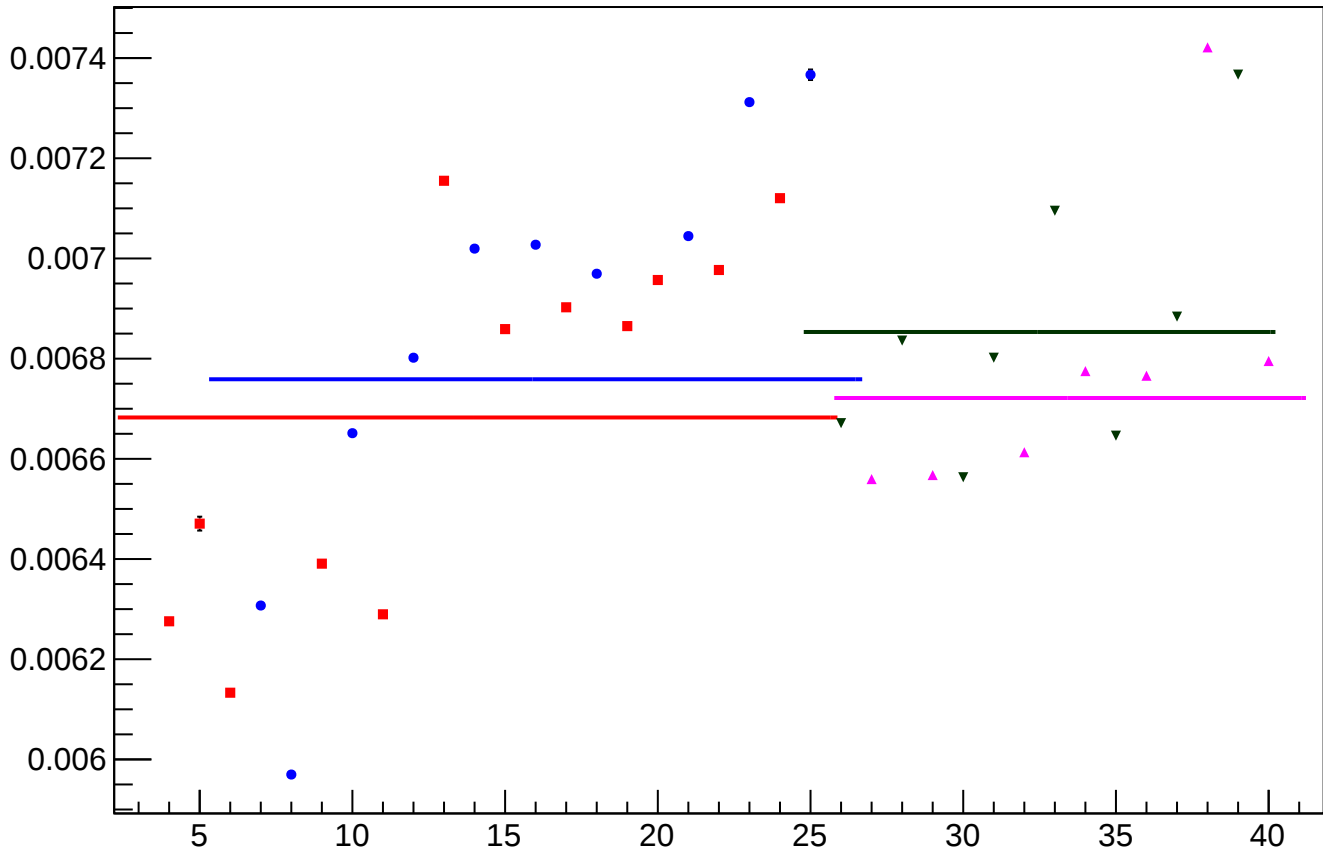
0.515+/-0.000 χ^2/NDF : 23111446252.7/17

Right Out: 0.307+/-0.000 χ^2/NDF : 8592627222.1/11

0.505+/-0.000 χ^2/NDF : 22506406616.0/18

Left In: 0.781+/-0.000 χ^2/NDF : 864743153.6/6

yield_bpm0l05X_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 51100.4/9

Left Out: 0.007+/-0.000 χ^2/NDF :11047.2/7

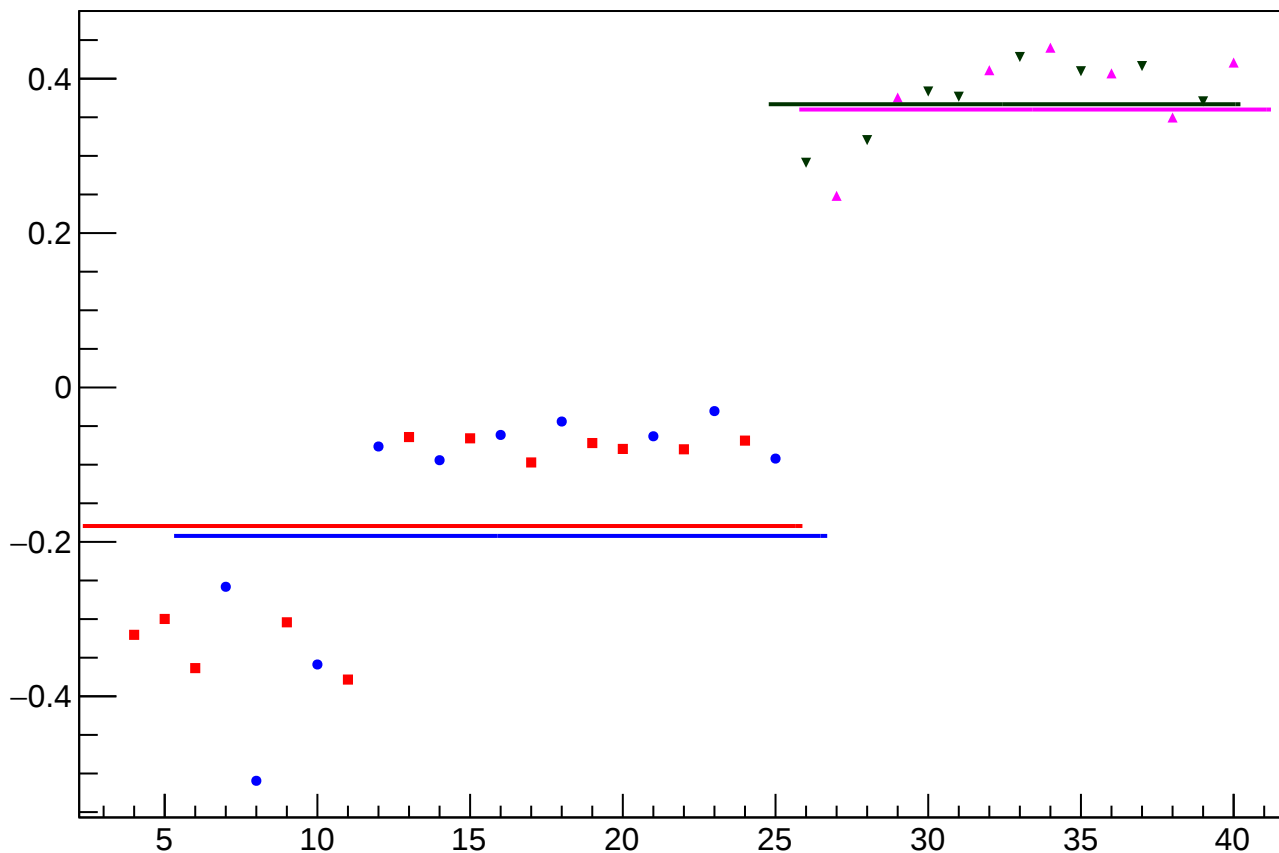
Right Out: 0.007+/-0.000 χ^2/NDF : 37923.0/11

Left In: 0.007+/-0.000 χ^2/NDF :11728.0/6

0.007+/-0.000 χ^2/NDF : 63114.6/17

0.007+/-0.000 χ^2/NDF : 49826.8/18

yield_bpm0l05Y_mean vs slug



Right In: -0.192+/-0.000 χ^2/NDF : 7520458731.7/9

Left Out: 0.367+/-0.000 χ^2/NDF : 256866488.5/7

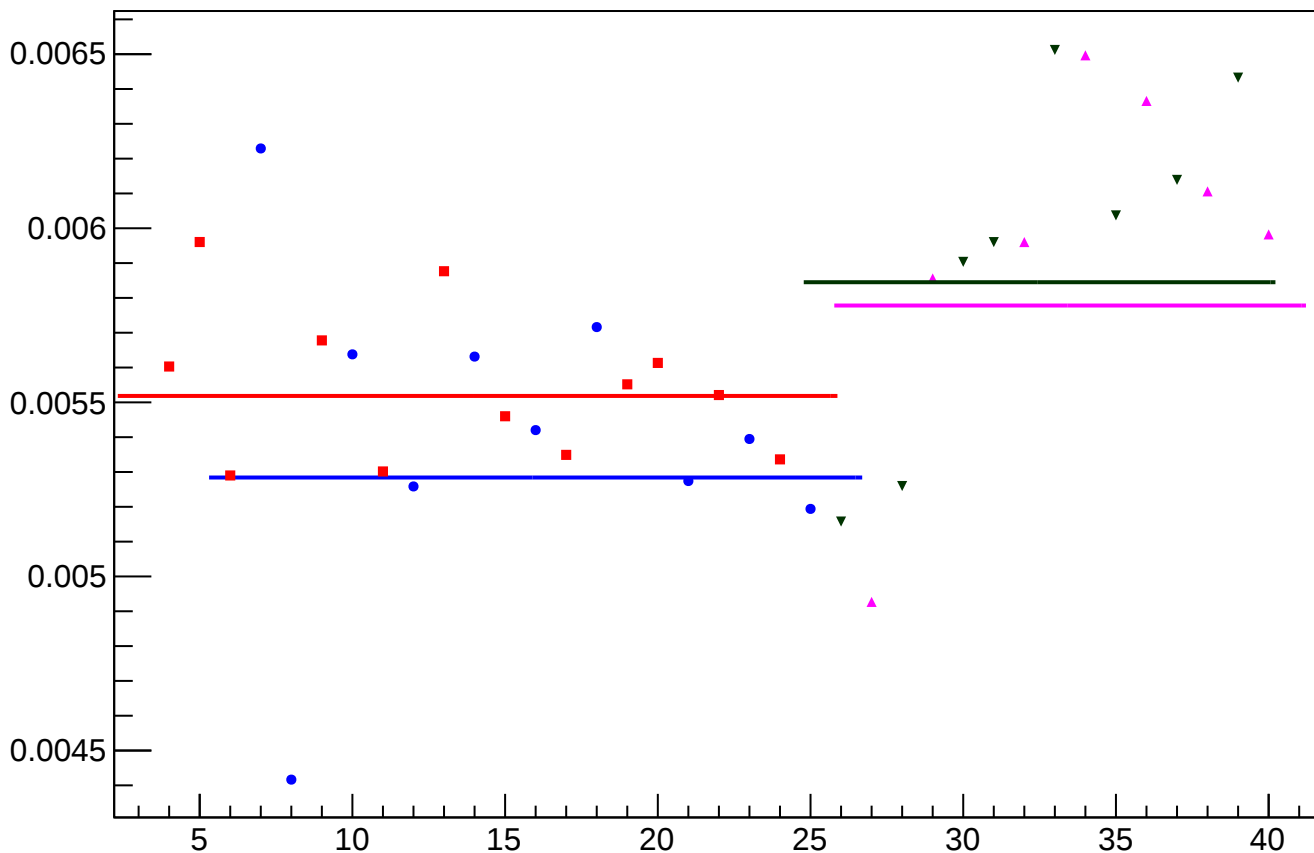
Right Out: -0.179+/-0.000 χ^2/NDF : 3508774818.6/11

Left In: 0.360+/-0.000 χ^2/NDF : 637263543.9/6

0.002+/-0.000 χ^2/NDF : 31904844239.3/17

0.035+/-0.000 χ^2/NDF : 27250766109.4/18

yield_bpm0l05Y_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 101310.2/9

Left Out: 0.006+/-0.000 χ^2/NDF : 56031.6/7

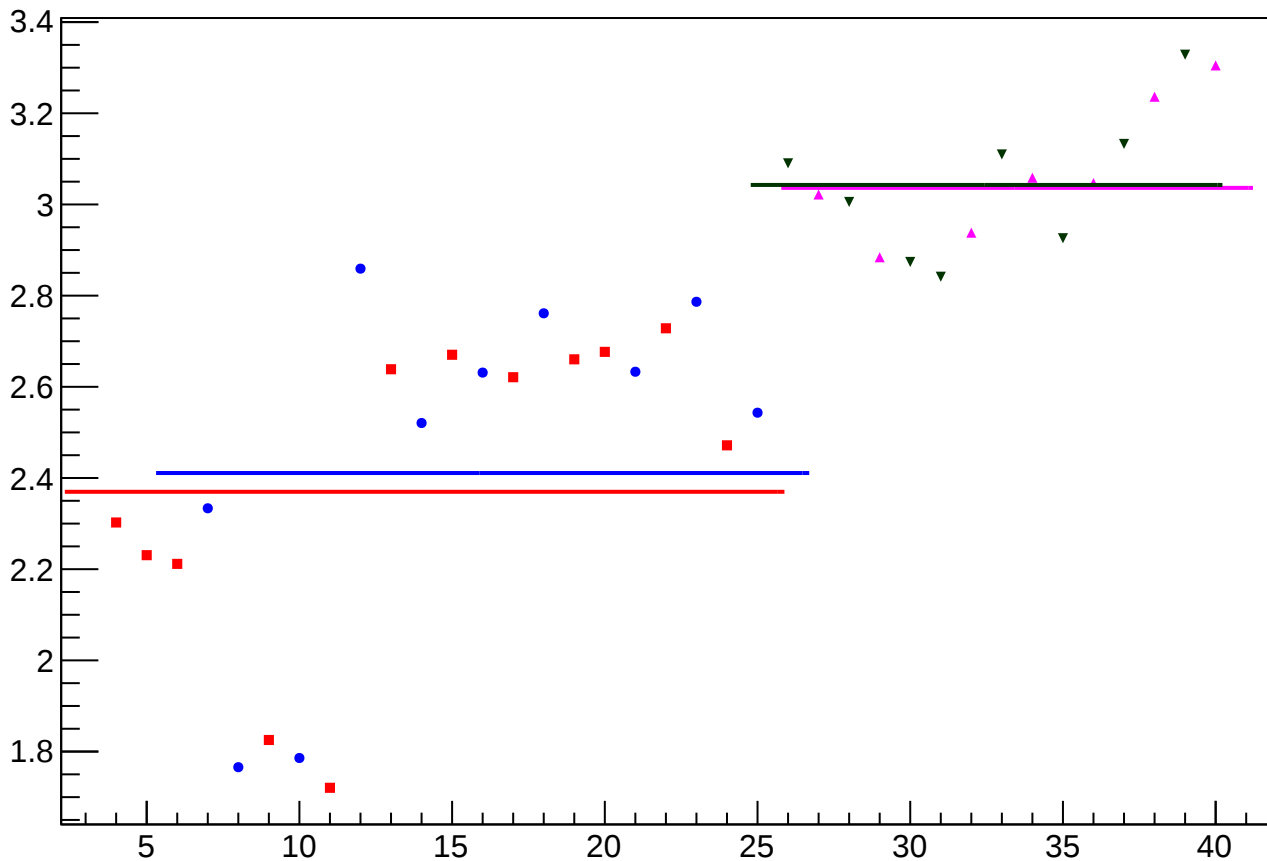
Right Out: 0.006+/-0.000 χ^2/NDF : 15882.5/11

Left In: 0.006+/-0.000 χ^2/NDF : 74380.6/6

0.005+/-0.000 χ^2/NDF : 205899.9/17

0.006+/-0.000 χ^2/NDF : 100972.0/18

yield_bpm0l06X_mean vs slug



Right In: 2.411 $\pm$ 0.000 χ^2 /NDF: 8288488350.8/9

Left Out: 3.043 $\pm$ 0.000 χ^2 /NDF:1008095512.9/7

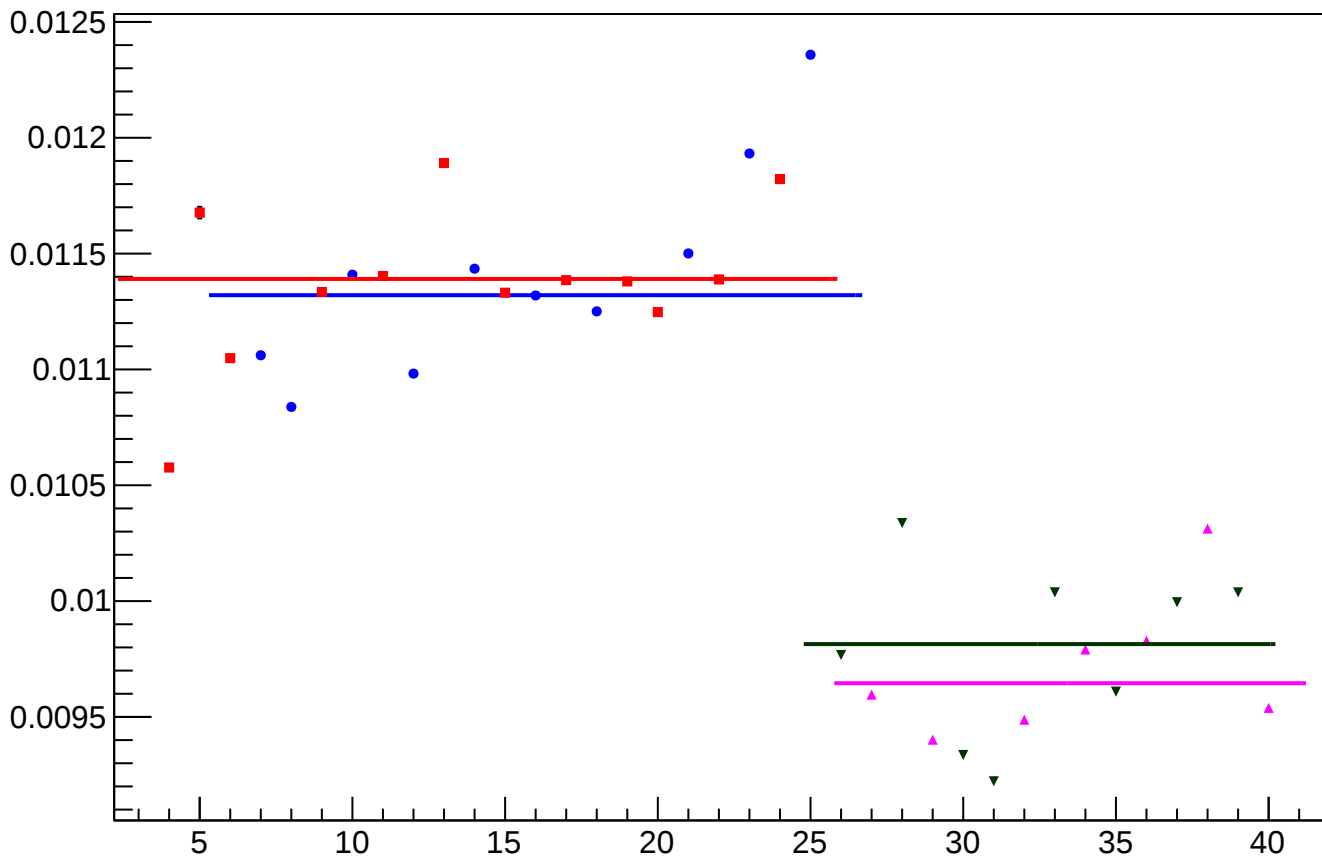
2.709 $\pm$ 0.000 χ^2 /NDF: 18577782405.0/17

Right Out: 2.370 $\pm$ 0.000 χ^2 /NDF: 6148614256.2/11

2.706 $\pm$ 0.000 χ^2 /NDF: 17729451111.6/18

Left In: 3.036 $\pm$ 0.000 χ^2 /NDF:889483074.6/6

yield_bpm0l06X_rms vs slug



Right In: 0.011+/-0.000 χ^2/NDF : 11666.9/9

Left Out: 0.010+/-0.000 χ^2/NDF : 11331.1/7

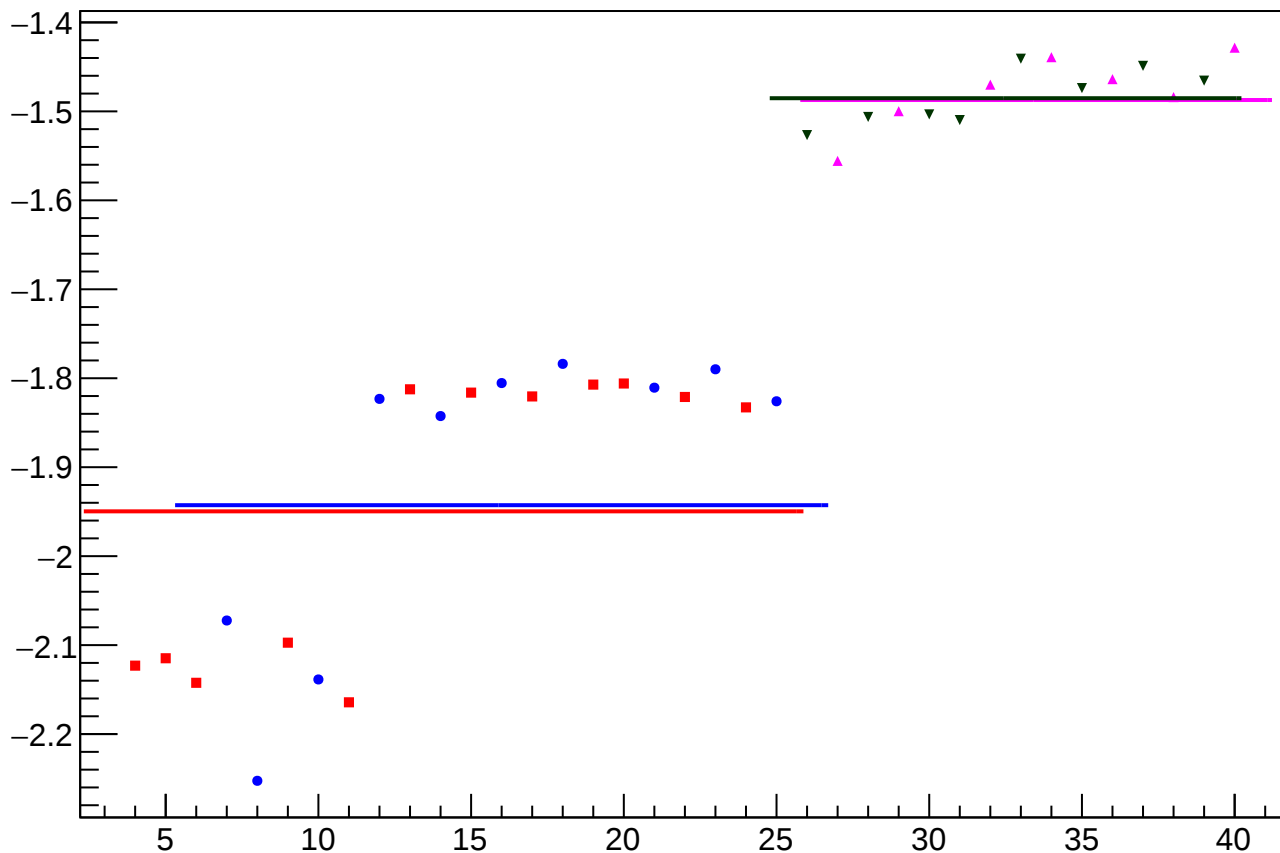
Right Out: 0.011+/-0.000 χ^2/NDF : 10496.6/11

Left In: 0.010+/-0.000 χ^2/NDF : 6596.4/6

0.011+/-0.000 χ^2/NDF : 128456.7/17

0.011+/-0.000 χ^2/NDF : 163623.2/18

yield_bpm0l06Y_mean vs slug



Right In: -1.943+/-0.000 χ^2/NDF : 9180562095.2/9

Left Out: -1.950+/-0.000 χ^2/NDF : 118733072.5/7

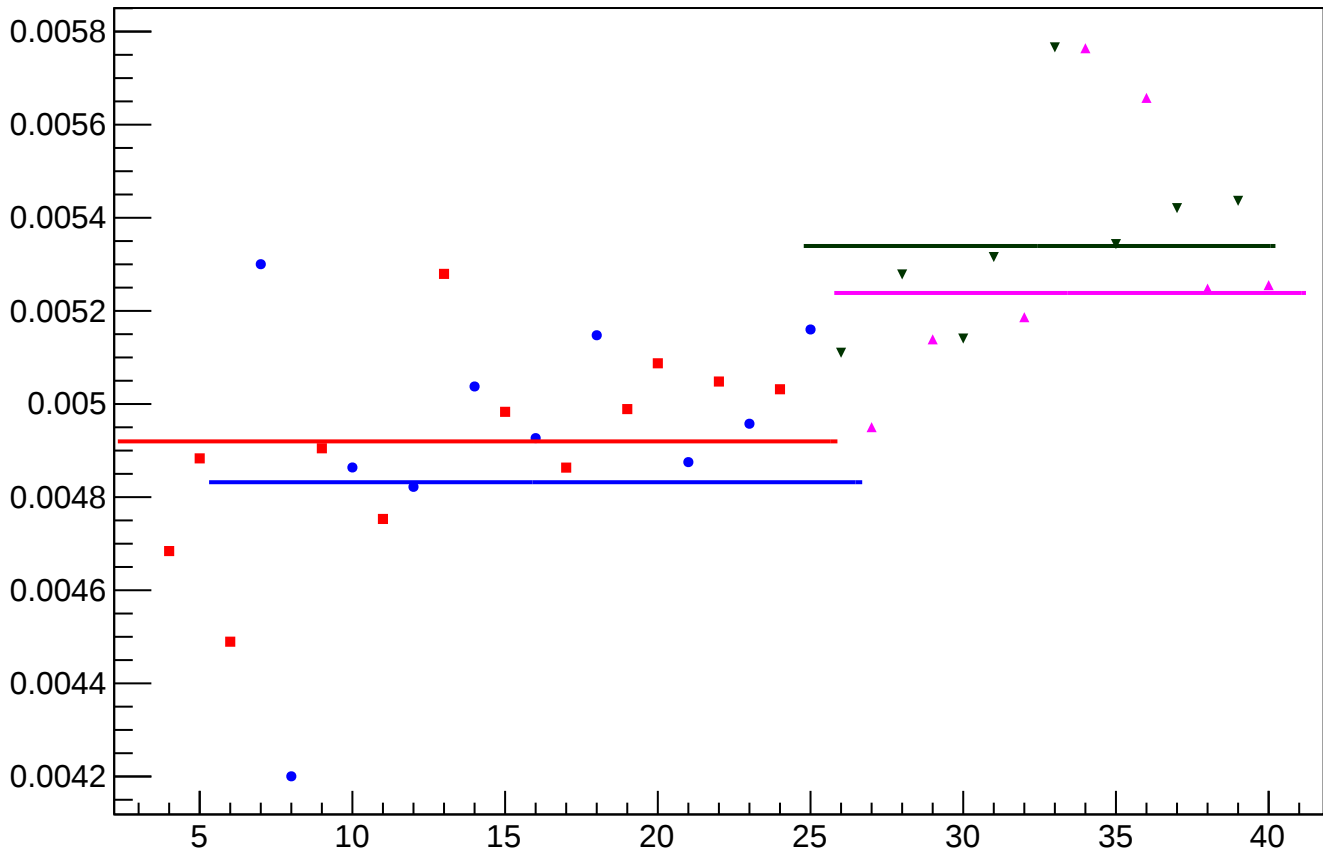
-1.783+/-0.000 χ^2/NDF : 28951815810.6/17

Right Out: -1.950+/-0.000 χ^2/NDF : 6176400274.4/11

-1.769+/-0.000 χ^2/NDF : 27679993882.8/18

Left In: -1.487+/-0.000 χ^2/NDF : 274507482.6/6

yield_bpm0l06Y_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 55245.9/9

Left Out: 0.005+/-0.000 χ^2/NDF : 9713.2/7

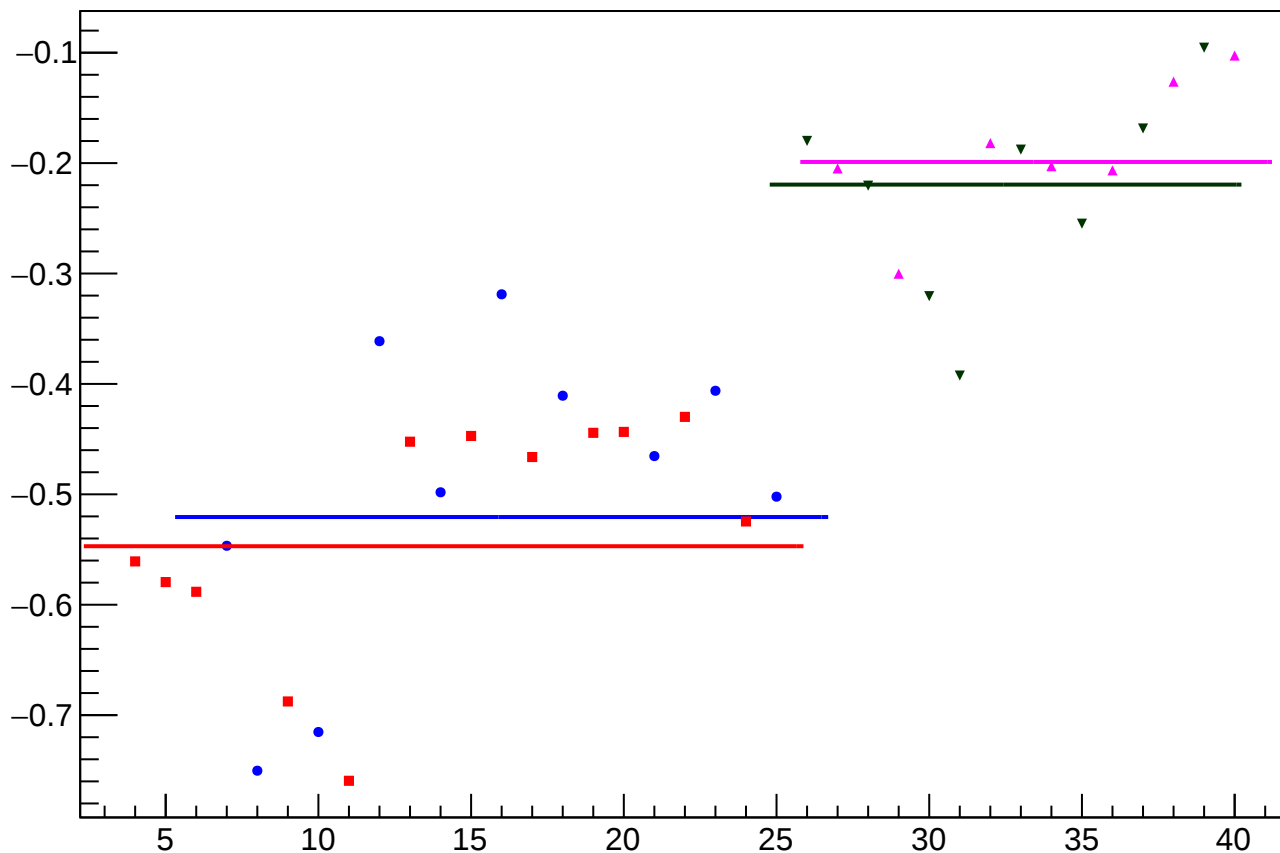
Right Out: 0.005+/-0.000 χ^2/NDF : 23832.0/11

Left In: 0.005+/-0.000 χ^2/NDF : 19834.3/6

0.005+/-0.000 χ^2/NDF : 113306.7/17

0.005+/-0.000 χ^2/NDF : 63847.1/18

yield_bpm0l07X_mean vs slug



Right In: -0.521 ± 0.000 χ^2/NDF : 473408207.3/9

Left Out: -0.547 ± 0.000 χ^2/NDF : 269735804.4/11

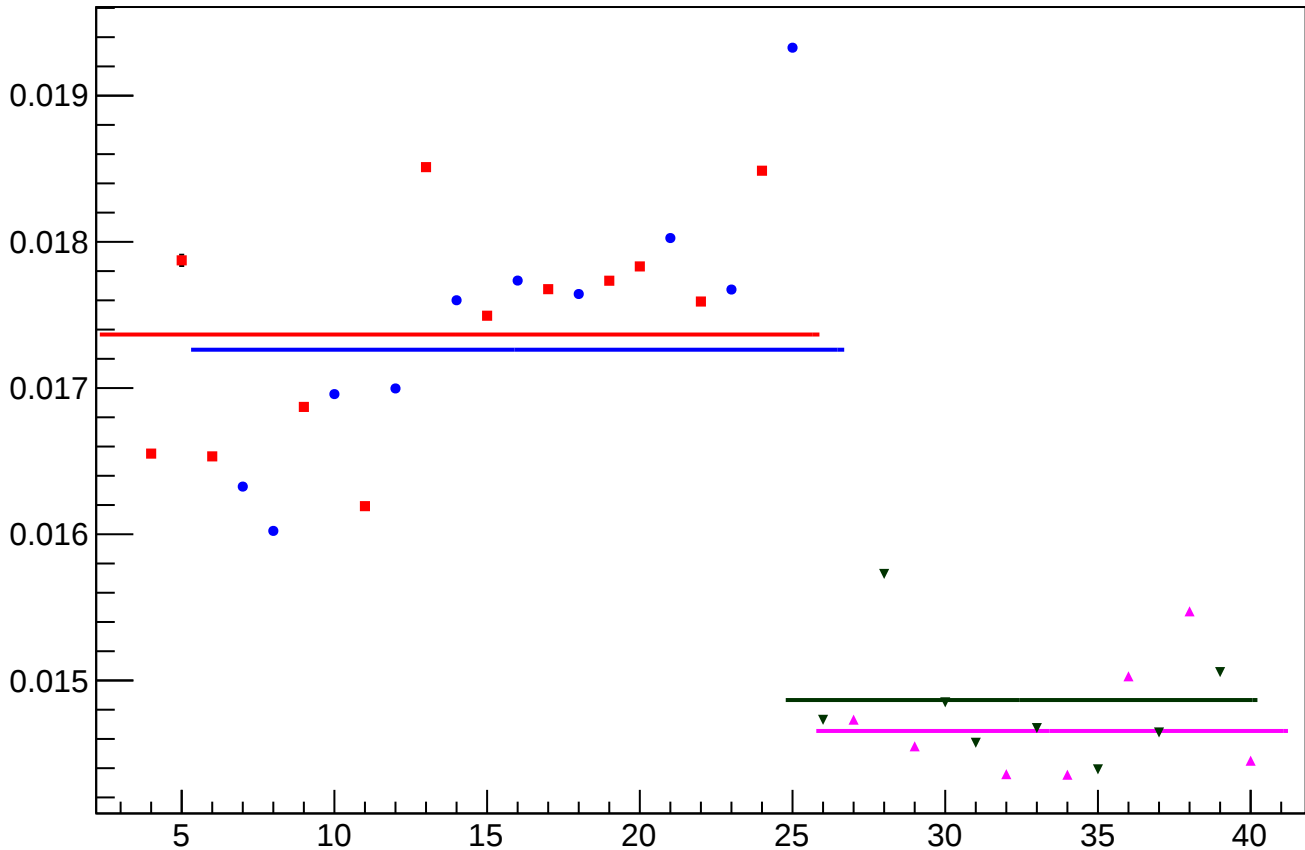
Right Out: -0.377 ± 0.000 χ^2/NDF : 1525783076.9/17

Left In: -0.199 ± 0.000 χ^2/NDF : 75324706.2/6

-0.377 ± 0.000 χ^2/NDF : 1525783076.9/17

-0.369 ± 0.000 χ^2/NDF : 1604485000.1/18

yield_bpm0l07X_rms vs slug



Right In: 0.017+/-0.000 χ^2/NDF : 24130.4/9

Left Out: 0.015+/-0.000 χ^2/NDF : 6446.6/7

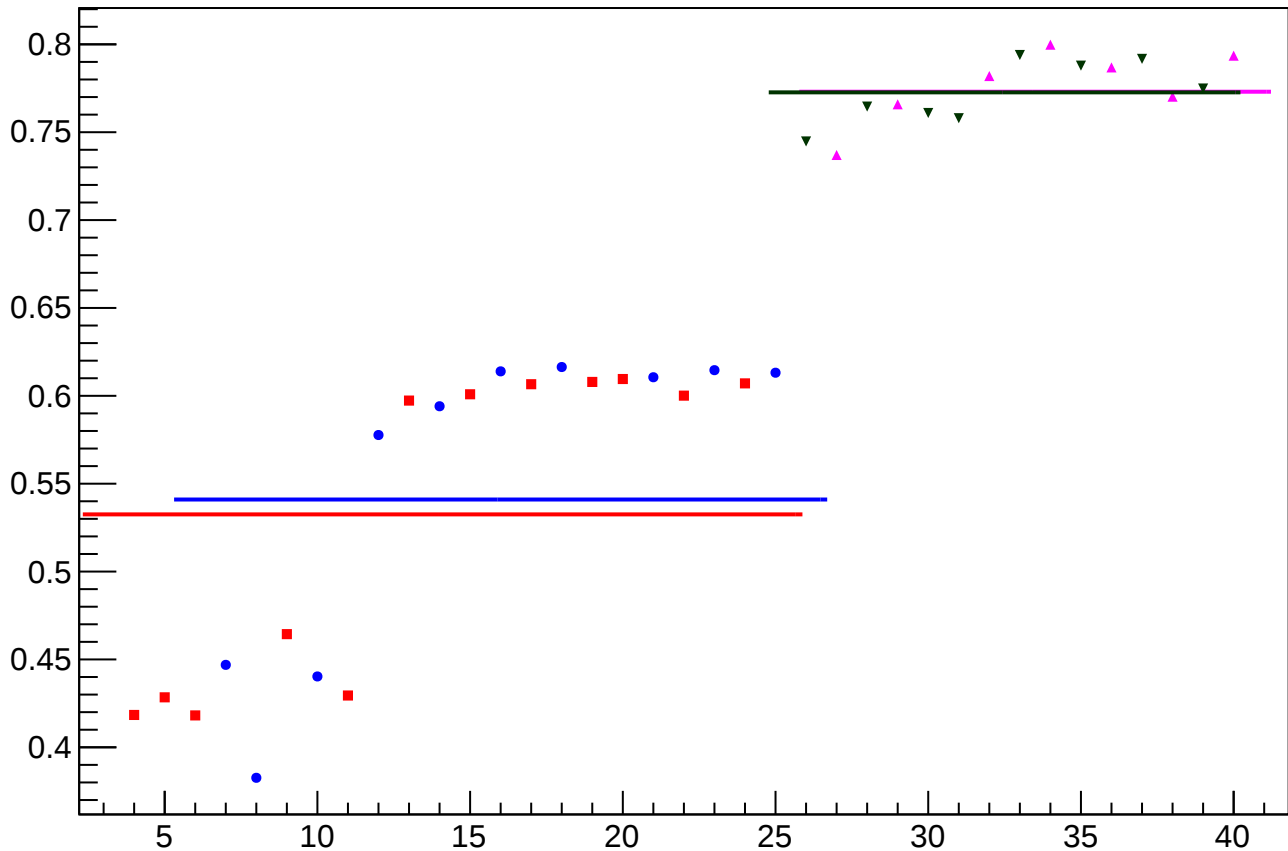
0.016+/-0.000 χ^2/NDF : 146958.5/17

Right Out: 0.017+/-0.000 χ^2/NDF : 25208.5/11

0.016+/-0.000 χ^2/NDF : 183085.2/18

Left In: 0.015+/-0.000 χ^2/NDF : 4985.6/6

yield_bpm0l07Y_mean vs slug



Right In: 0.541+/-0.000 χ^2/NDF : 5869404533.9/9

Left Out: 0.773+/-0.000 χ^2/NDF : 102646679.1/7

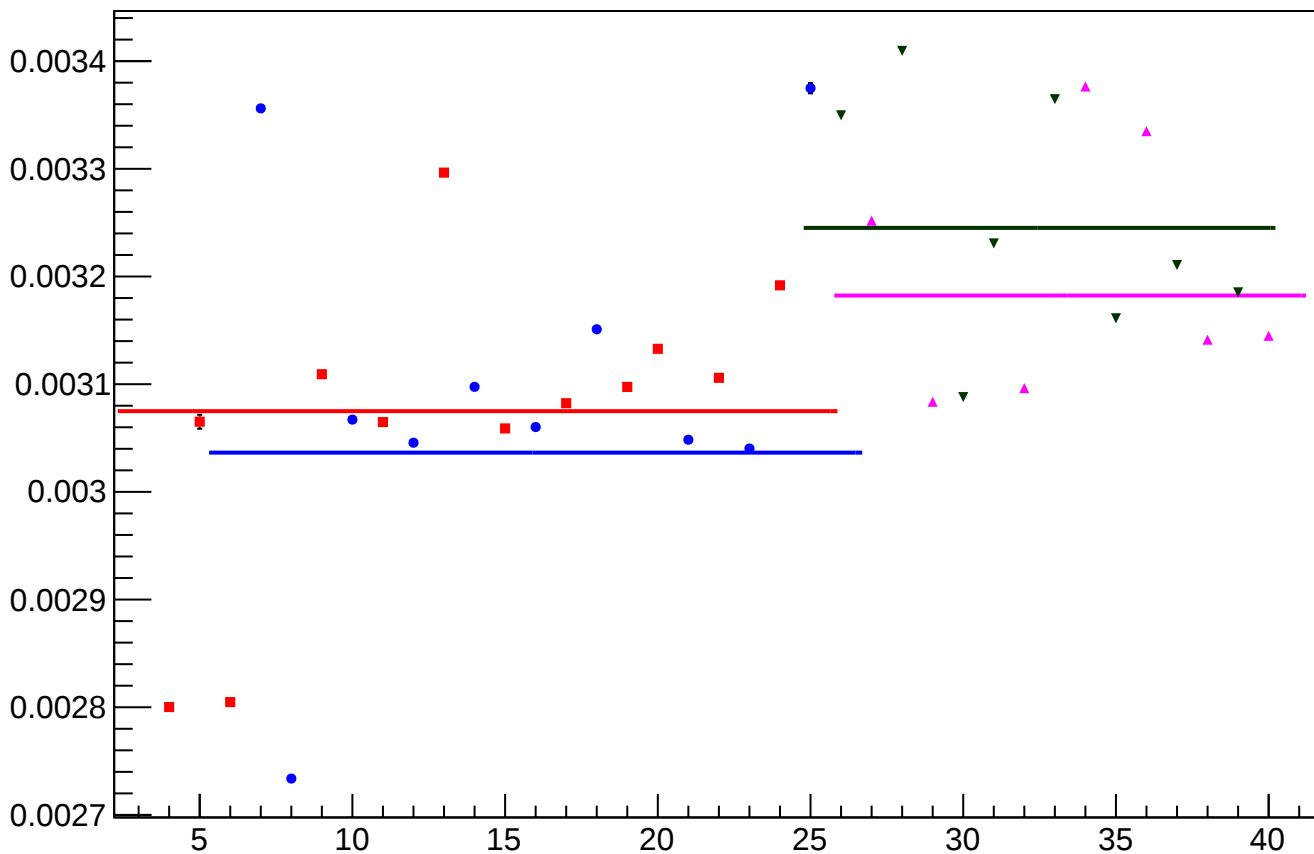
0.626+/-0.000 χ^2/NDF : 19379600481.7/17

Right Out: 0.533+/-0.000 χ^2/NDF : 4611310317.7/11

0.630+/-0.000 χ^2/NDF : 20065910811.9/18

Left In: 0.773+/-0.000 χ^2/NDF : 172582466.4/6

yield_bpm0l07Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 33871.1/9

Left Out: 0.003+/-0.000 χ^2/NDF : 9204.5/7

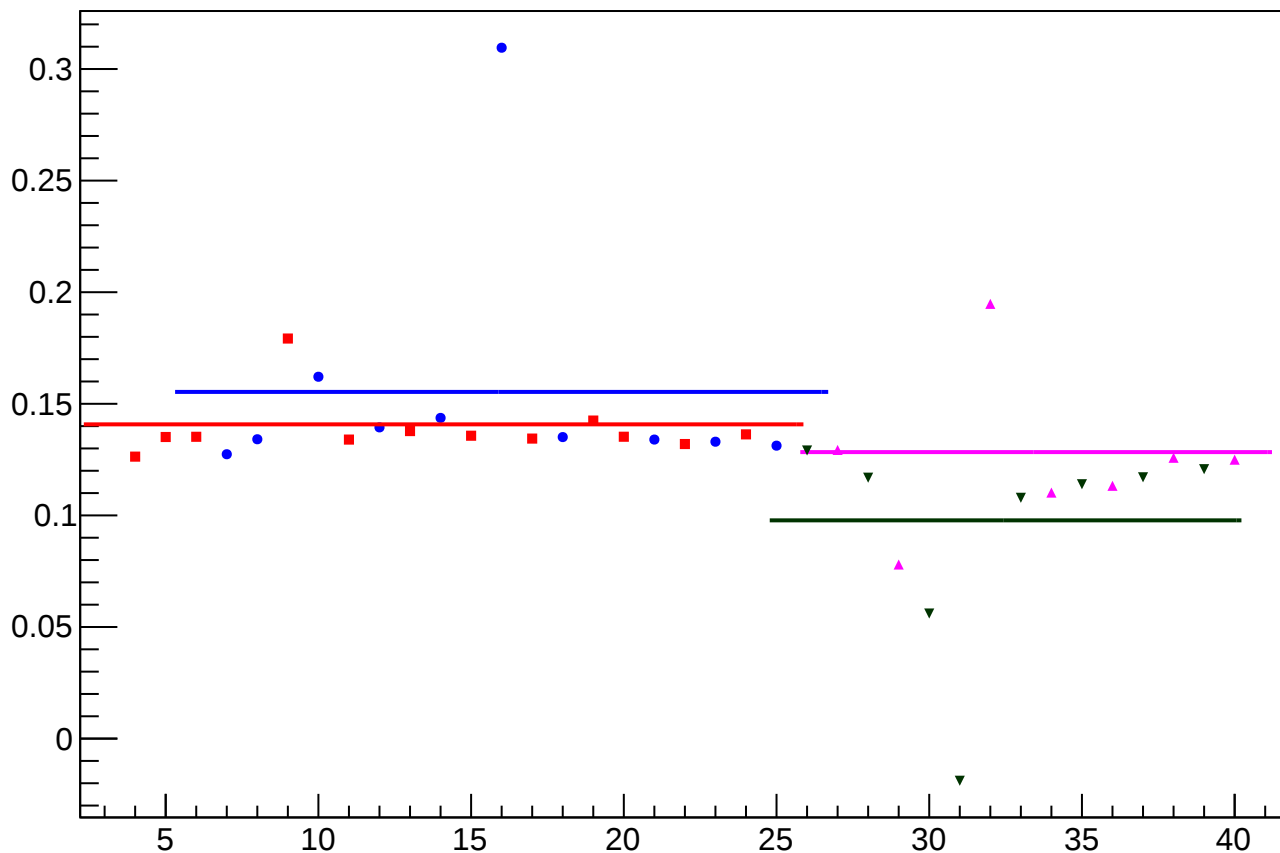
0.003+/-0.000 χ^2/NDF : 64835.0/17

Right Out: 0.003+/-0.000 χ^2/NDF : 27152.3/11

0.003+/-0.000 χ^2/NDF : 42673.3/18

Left In: 0.003+/-0.000 χ^2/NDF : 9429.4/6

yield_bpm0l08X_mean vs slug



Right In: 0.155 ± 0.000 χ^2/NDF : 60529861.8/9

Left Out: 0.098 ± 0.000 χ^2/NDF : 39599673.1/7

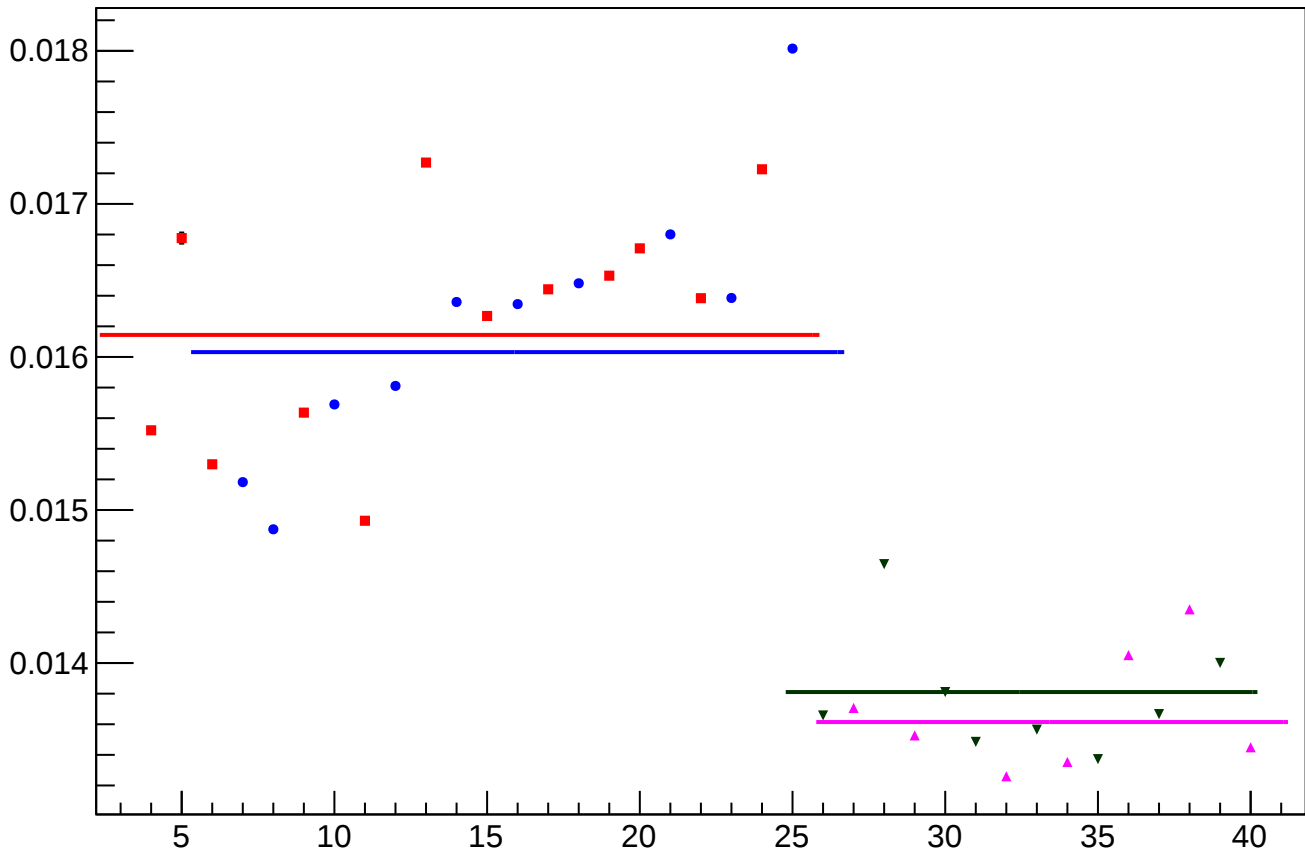
Right Out: 0.141 ± 0.000 χ^2/NDF : 5462429.5/11

Left In: 0.128 ± 0.000 χ^2/NDF : 35256850.1/6

0.128 ± 0.000 χ^2/NDF : 138990056.9/17

0.134 ± 0.000 χ^2/NDF : 42575079.4/18

yield_bpm0l08X_rms vs slug



Right In: 0.016+/-0.000 χ^2/NDF : 25086.5/9

Left Out: 0.014+/-0.000 χ^2/NDF : 7036.3/7

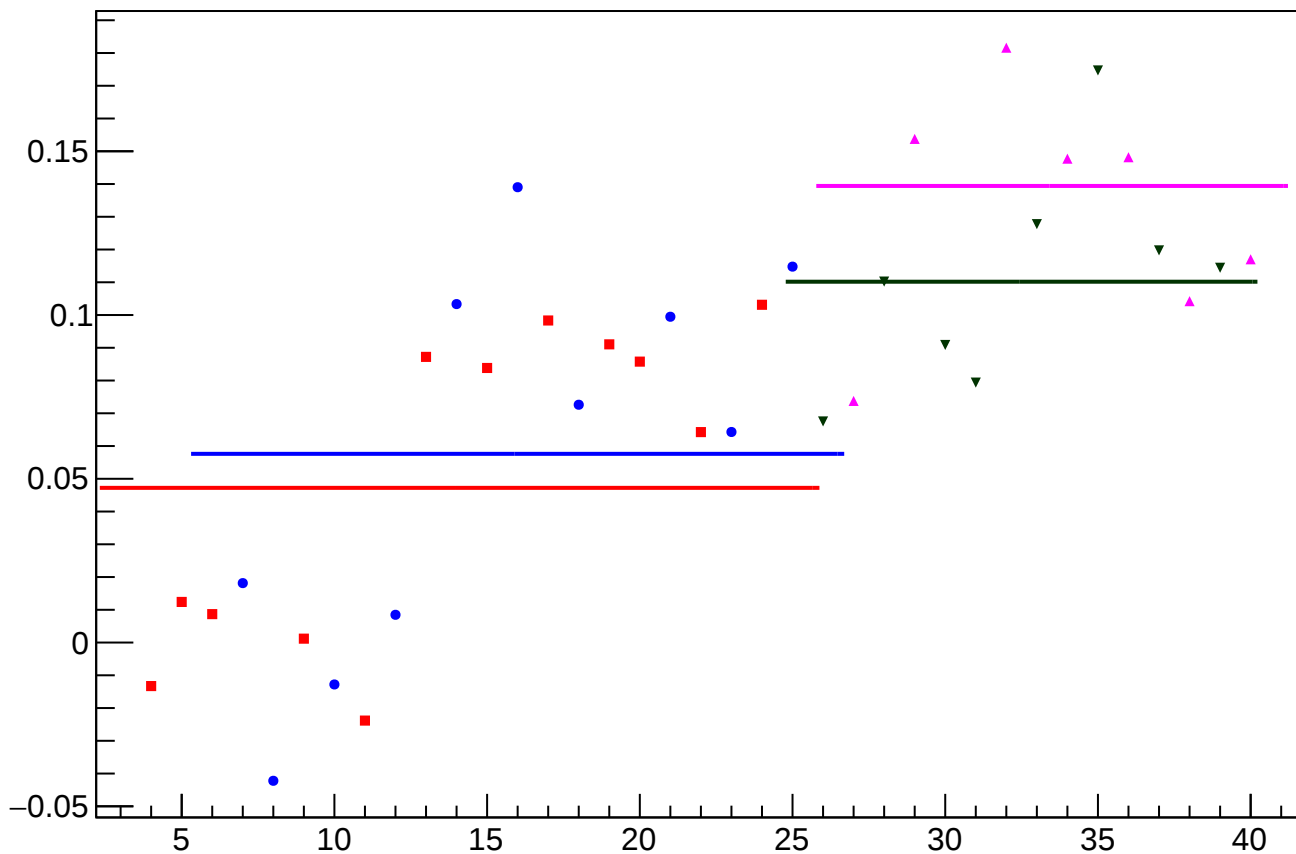
0.015+/-0.000 χ^2/NDF : 147900.4/17

Right Out: 0.016+/-0.000 χ^2/NDF : 28739.5/11

0.015+/-0.000 χ^2/NDF : 187980.5/18

Left In: 0.014+/-0.000 χ^2/NDF : 5585.2/6

yield_bpm0l08Y_mean vs slug



Right In: 0.058+/-0.000 χ^2/NDF : 2106835310.3/9

Left Out: 0.110+/-0.000 χ^2/NDF : 324115058.7/7

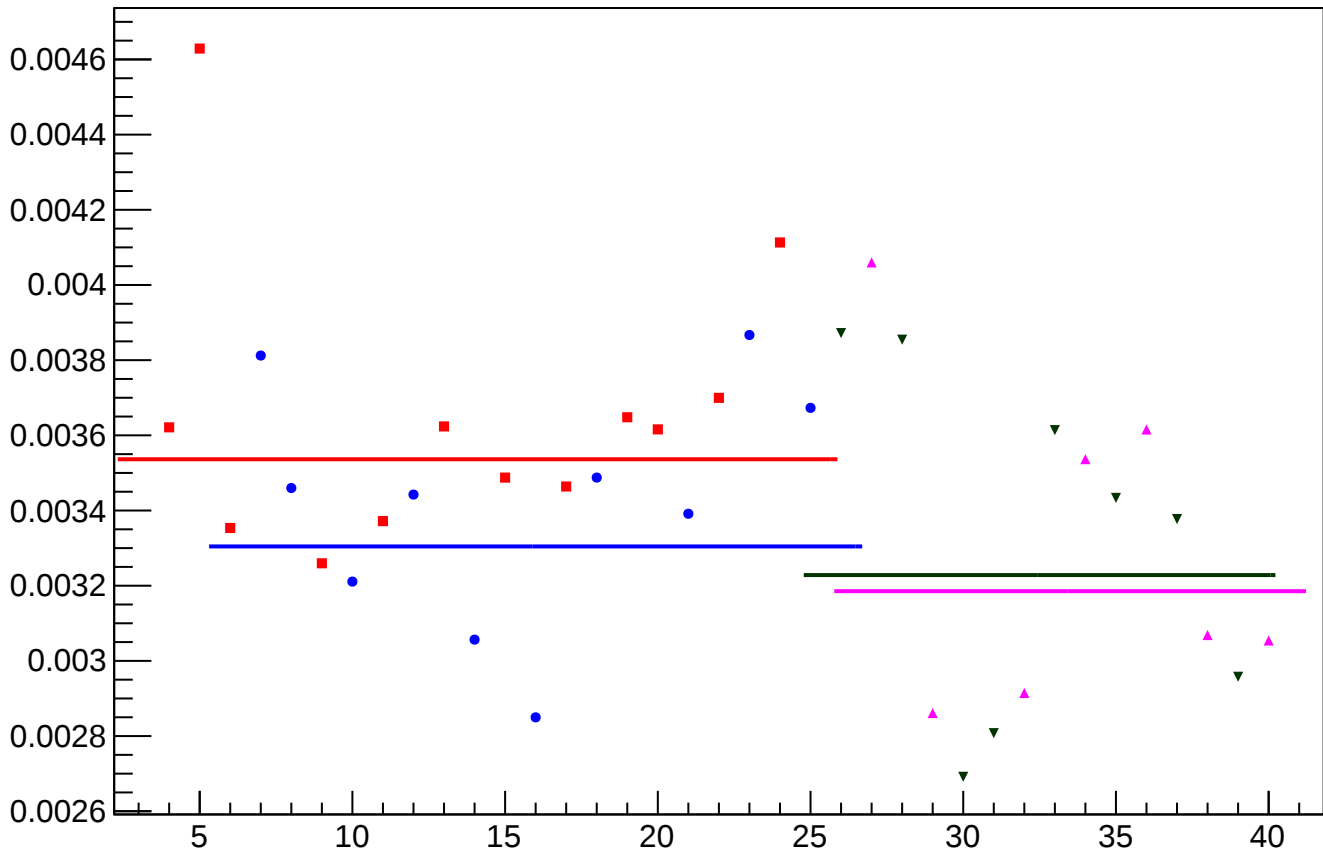
0.079+/-0.000 χ^2/NDF : 3061840035.0/17

Right Out: 0.047+/-0.000 χ^2/NDF : 1076949152.4/11

0.091+/-0.000 χ^2/NDF : 3509079646.8/18

Left In: 0.139+/-0.000 χ^2/NDF : 512833828.1/6

yield_bpm0l08Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 88903.2/9

Left Out: 0.003+/-0.000 χ^2/NDF :143743.6/7

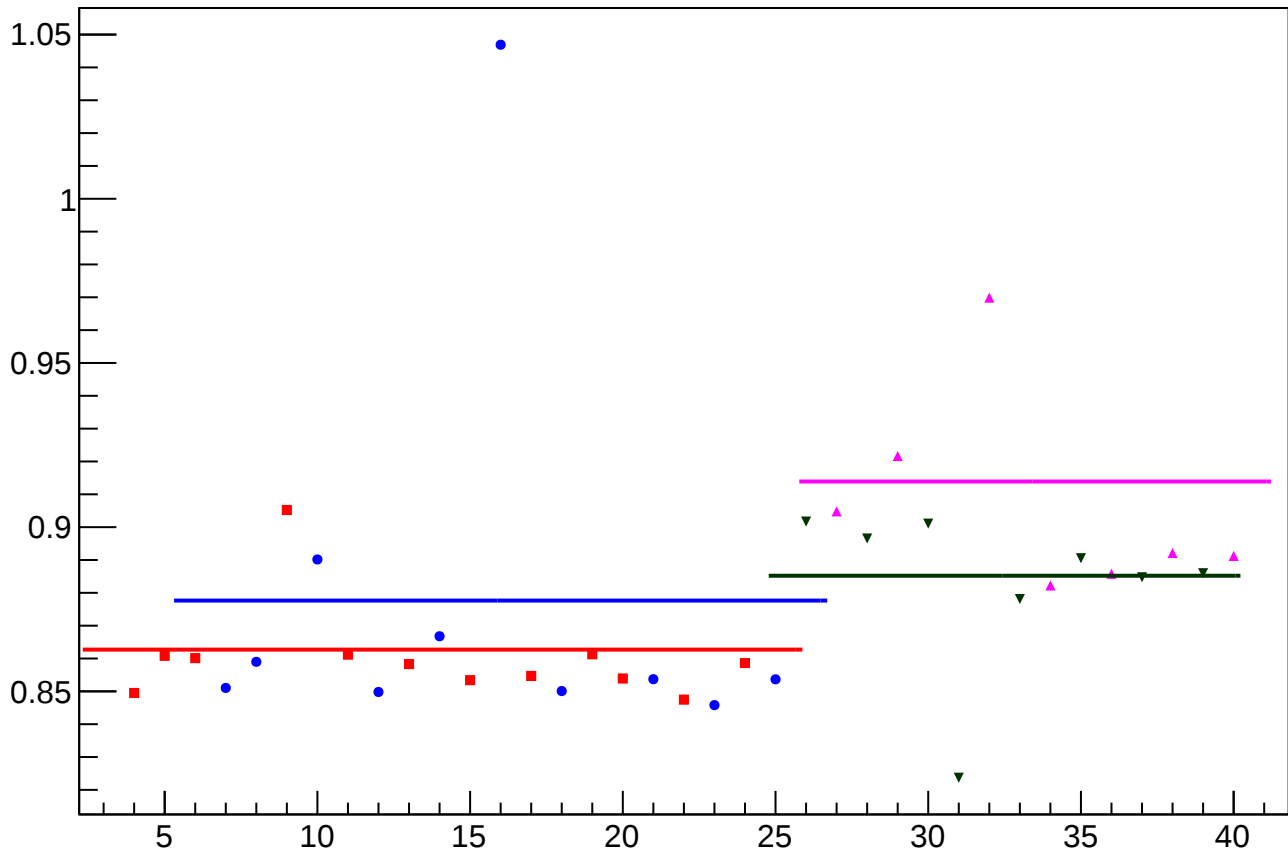
0.003+/-0.000 χ^2/NDF : 235297.7/17

Right Out: 0.004+/-0.000 χ^2/NDF : 54073.0/11

0.003+/-0.000 χ^2/NDF : 248422.9/18

Left In: 0.003+/-0.000 χ^2/NDF :138714.1/6

yield_bpm0l09X_mean vs slug



Right In: 0.878 ± 0.000 χ^2/NDF : 78564555.7/9

Left Out: 0.885 ± 0.000 χ^2/NDF : 10001562.4/7

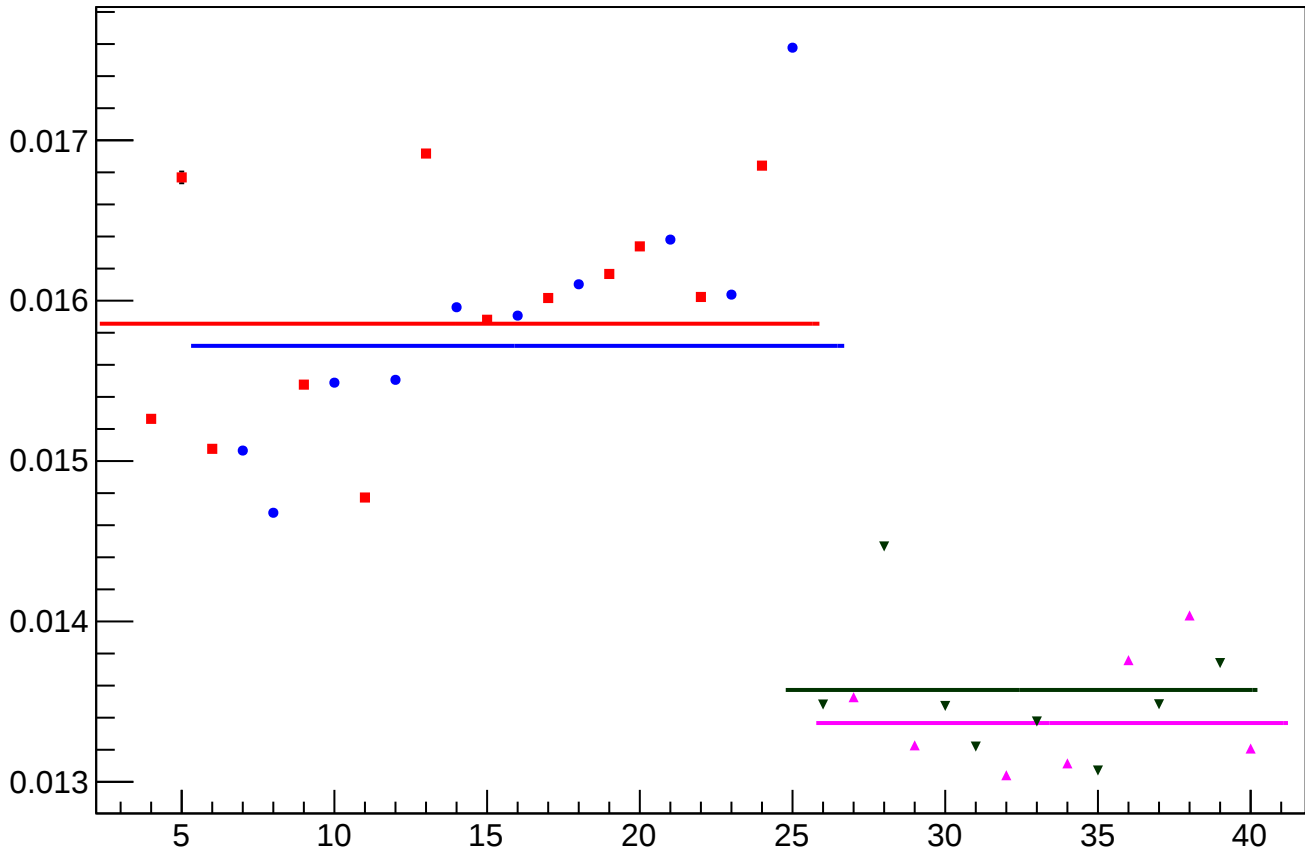
Right Out: 0.863 ± 0.000 χ^2/NDF : 6919011.1/11

Left In: 0.914 ± 0.000 χ^2/NDF : 24452006.1/6

0.881 ± 0.000 χ^2/NDF : 89261385.1/17

0.889 ± 0.000 χ^2/NDF : 63972697.2/18

yield_bpm0l09X_rms vs slug



Right In: 0.016+/-0.000 χ^2/NDF : 20126.2/9

Left Out: 0.014+/-0.000 χ^2/NDF : 8080.0/7

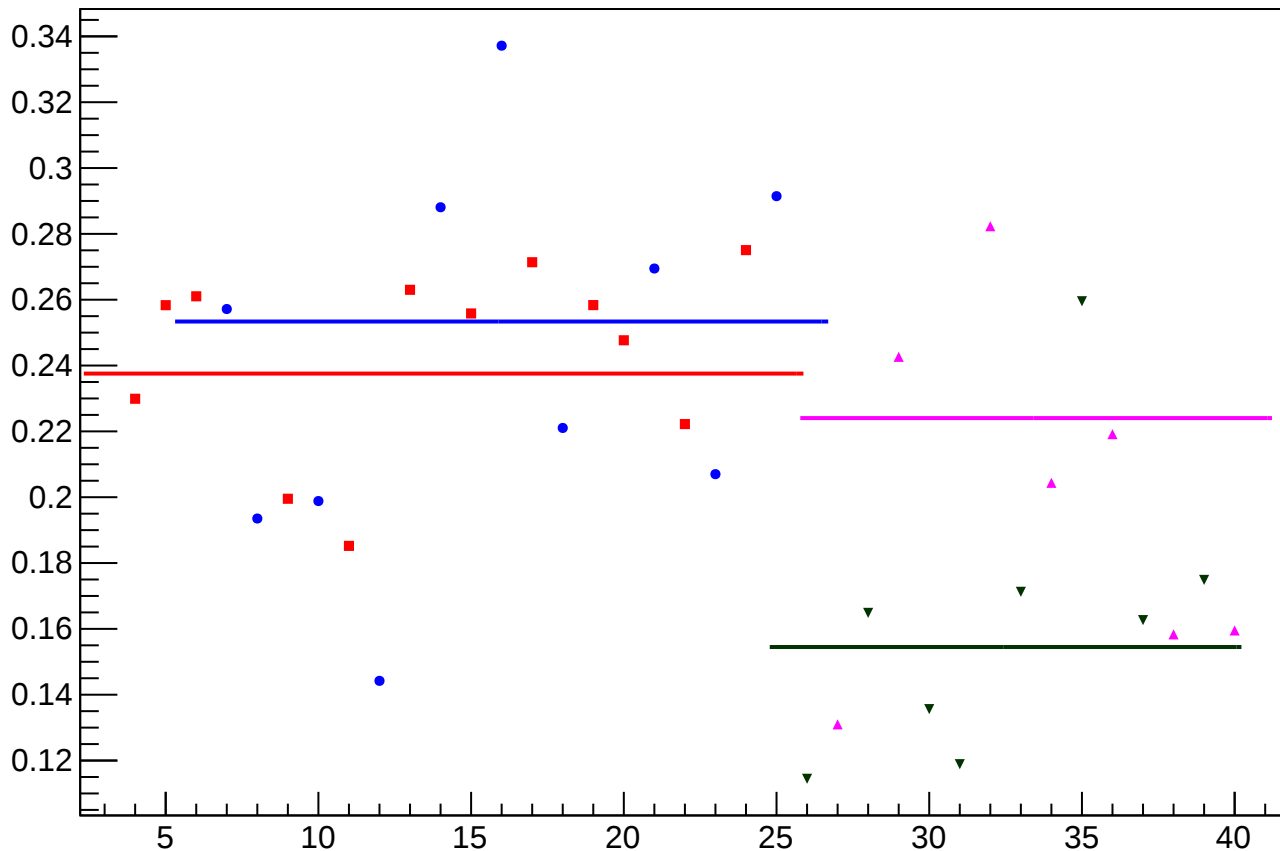
0.015+/-0.000 χ^2/NDF : 140182.9/17

Right Out: 0.016+/-0.000 χ^2/NDF : 24366.1/11

0.015+/-0.000 χ^2/NDF : 183773.7/18

Left In: 0.013+/-0.000 χ^2/NDF : 5172.4/6

yield_bpm0l09Y_mean vs slug



Right In: 0.253+/-0.000 χ^2/NDF : 1609781231.1/9

Left Out: 0.154+/-0.000 χ^2/NDF : 491237483.2/7

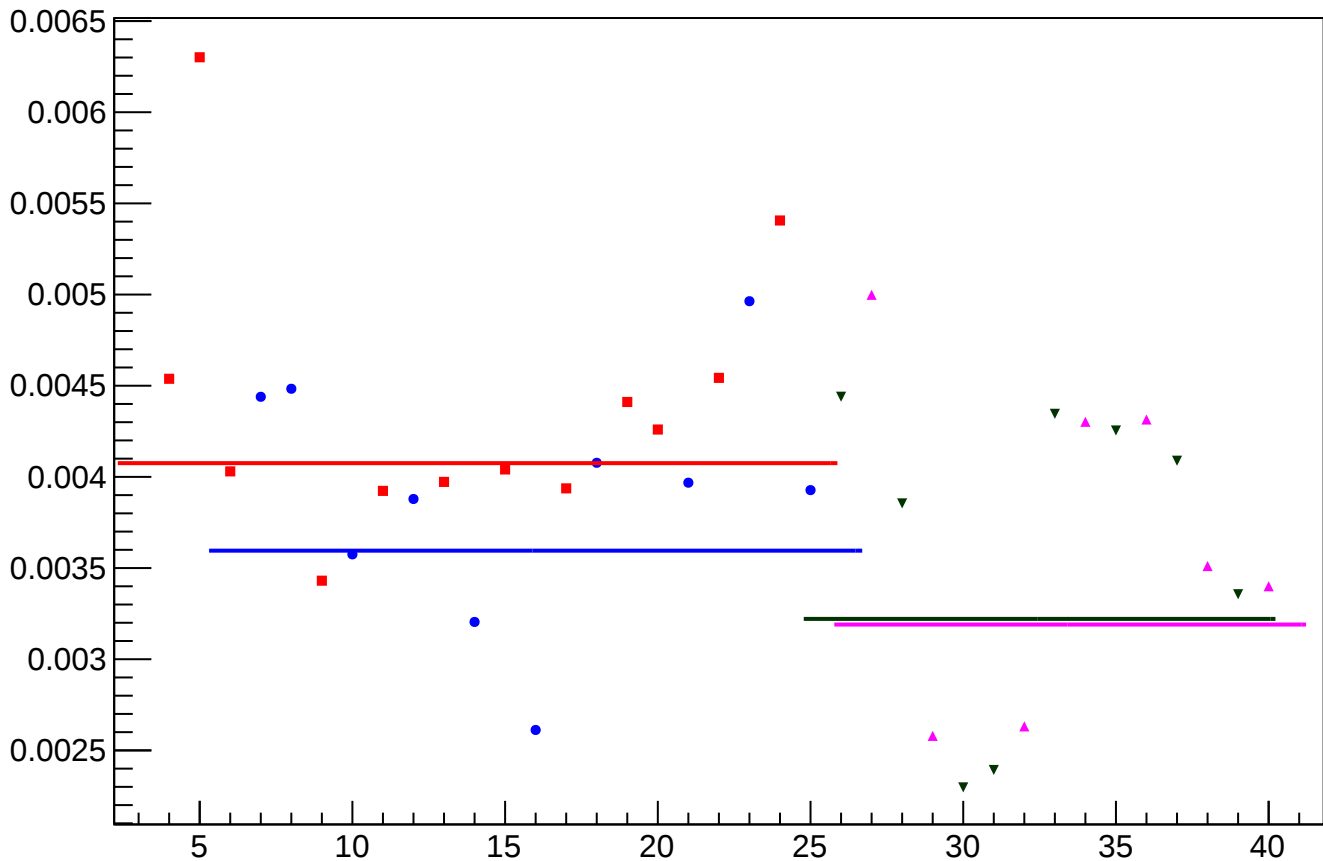
0.210+/-0.000 χ^2/NDF : 4056649782.2/17

Right Out: 0.238+/-0.000 χ^2/NDF : 338609573.2/11

0.230+/-0.000 χ^2/NDF : 1436673243.8/18

Left In: 0.224+/-0.000 χ^2/NDF : 1064479945.8/6

yield_bpm0l09Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 390761.3/9

Left Out: 0.003+/-0.000 χ^2/NDF : 522478.8/7

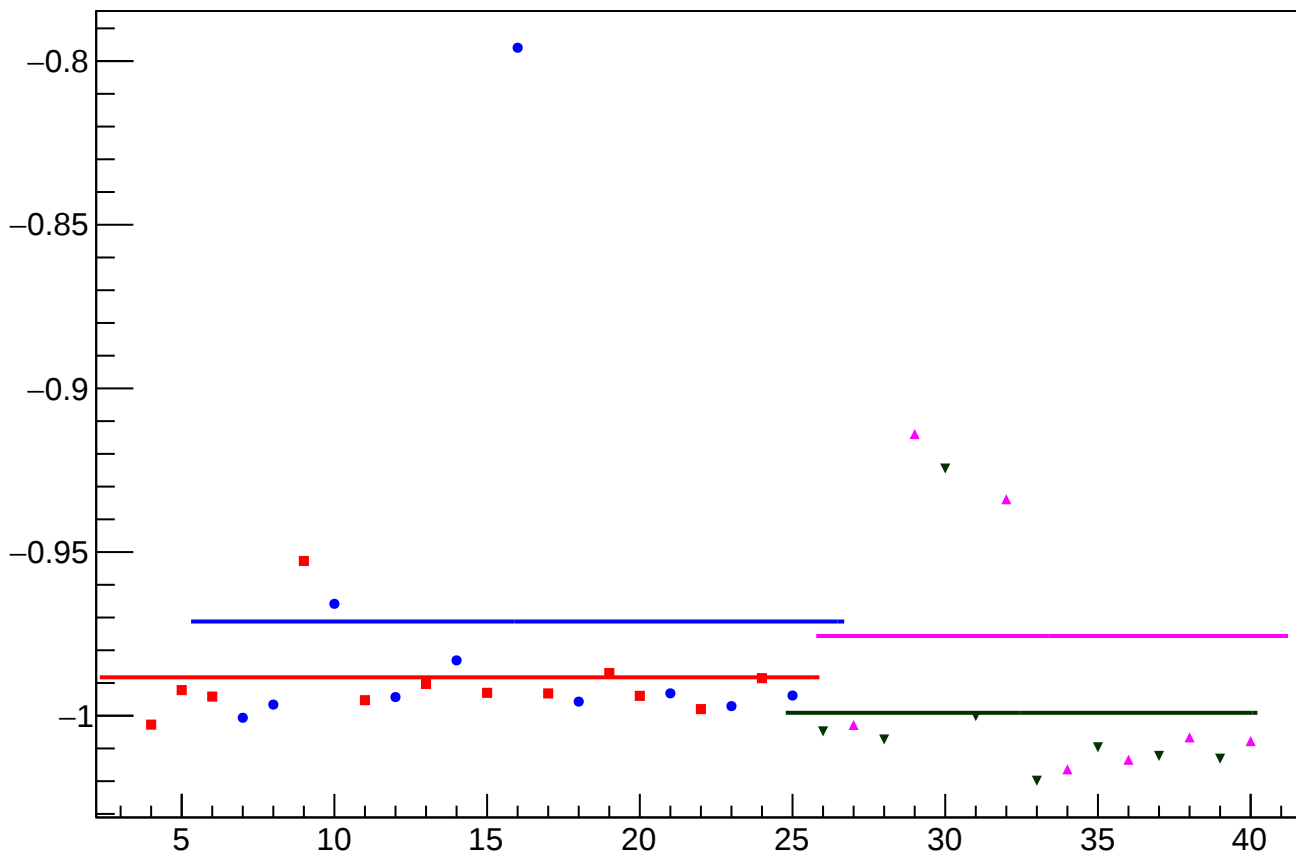
Right Out: 0.004+/-0.000 χ^2/NDF : 164404.0/11

Left In: 0.003+/-0.000 χ^2/NDF : 507382.0/6

0.003+/-0.000 χ^2/NDF : 969262.0/17

0.004+/-0.000 χ^2/NDF : 959752.5/18

yield_bpm0l10X_mean vs slug



Right In: -0.971+/-0.000 χ^2/NDF : 89914110.4/9

Left Out: -0.999+/-0.000 χ^2/NDF : 20811161.5/7

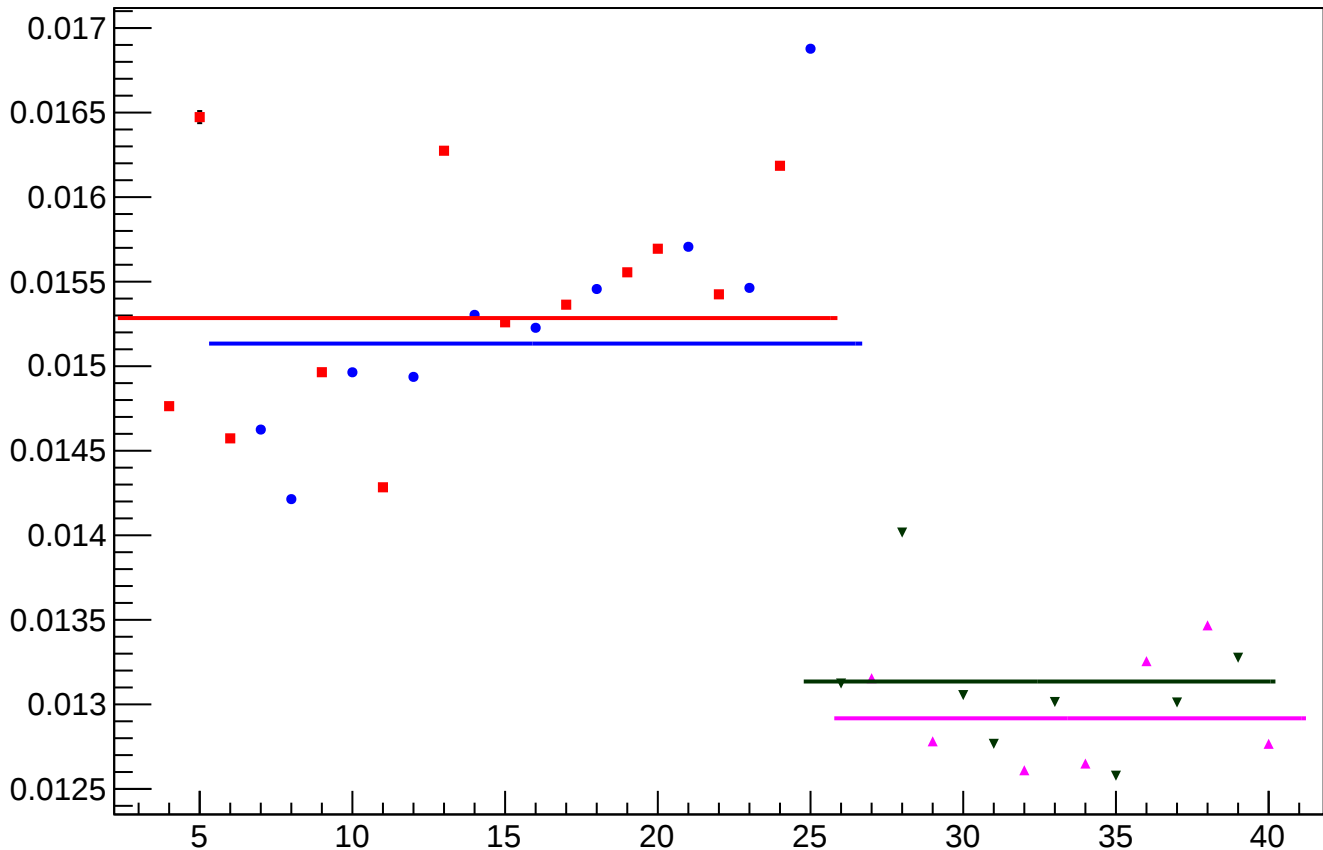
Right Out: -0.988+/-0.000 χ^2/NDF : 5195068.8/11

Left In: -0.976+/-0.000 χ^2/NDF : 47766406.7/6

-0.984+/-0.000 χ^2/NDF : 120859155.7/17

-0.982+/-0.000 χ^2/NDF : 55088566.9/18

yield_bpm0l10X_rms vs slug



Right In: 0.015+/-0.000 χ^2/NDF : 16984.1/9

Left Out: 0.013+/-0.000 χ^2/NDF : 8608.7/7

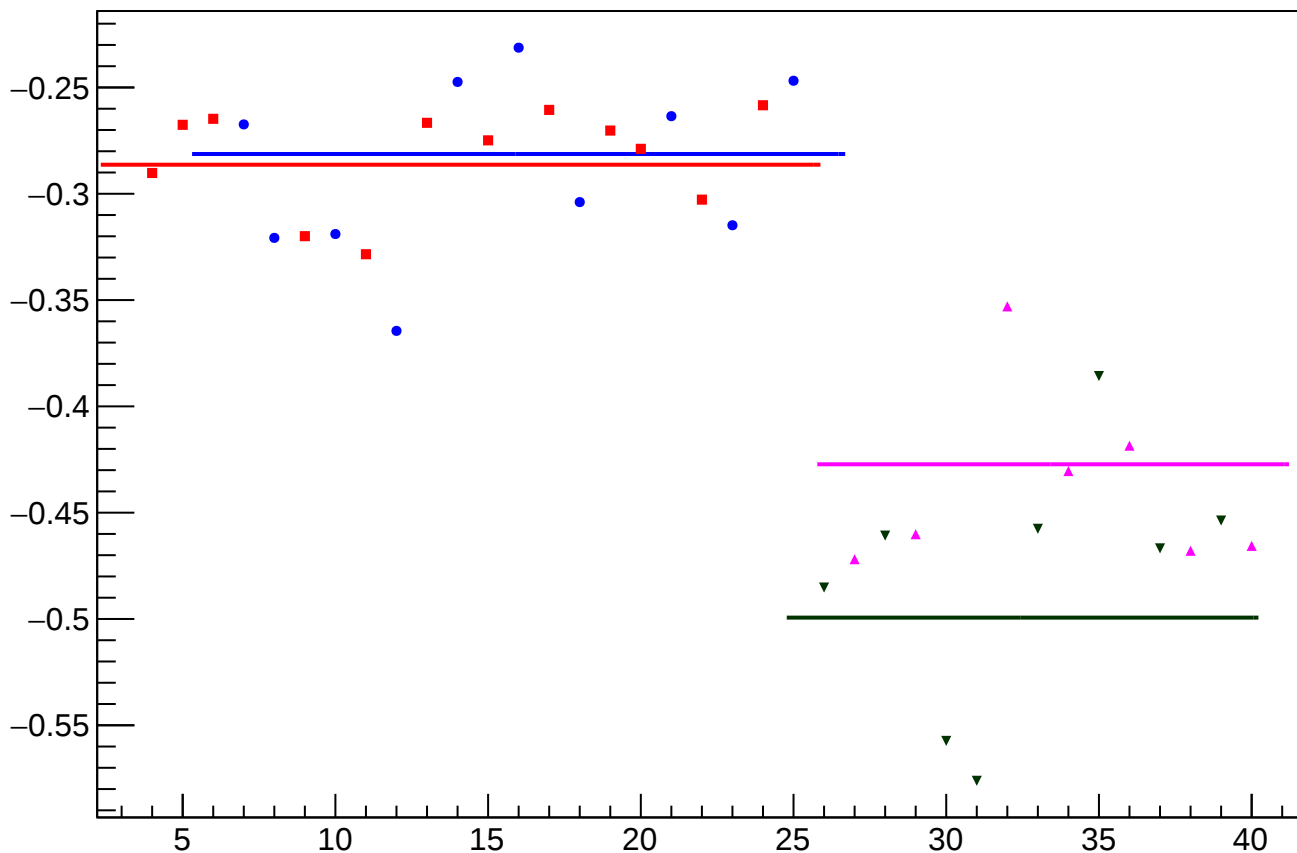
0.014+/-0.000 χ^2/NDF : 129685.0/17

Right Out: 0.015+/-0.000 χ^2/NDF : 22407.0/11

0.014+/-0.000 χ^2/NDF : 176546.5/18

Left In: 0.013+/-0.000 χ^2/NDF : 4711.0/6

yield_bpm0l10Y_mean vs slug



Right In: -0.281+/-0.000 χ^2/NDF : 977787208.1/9

Left Out: -0.499+/-0.000 χ^2/NDF :1498197061.5/7

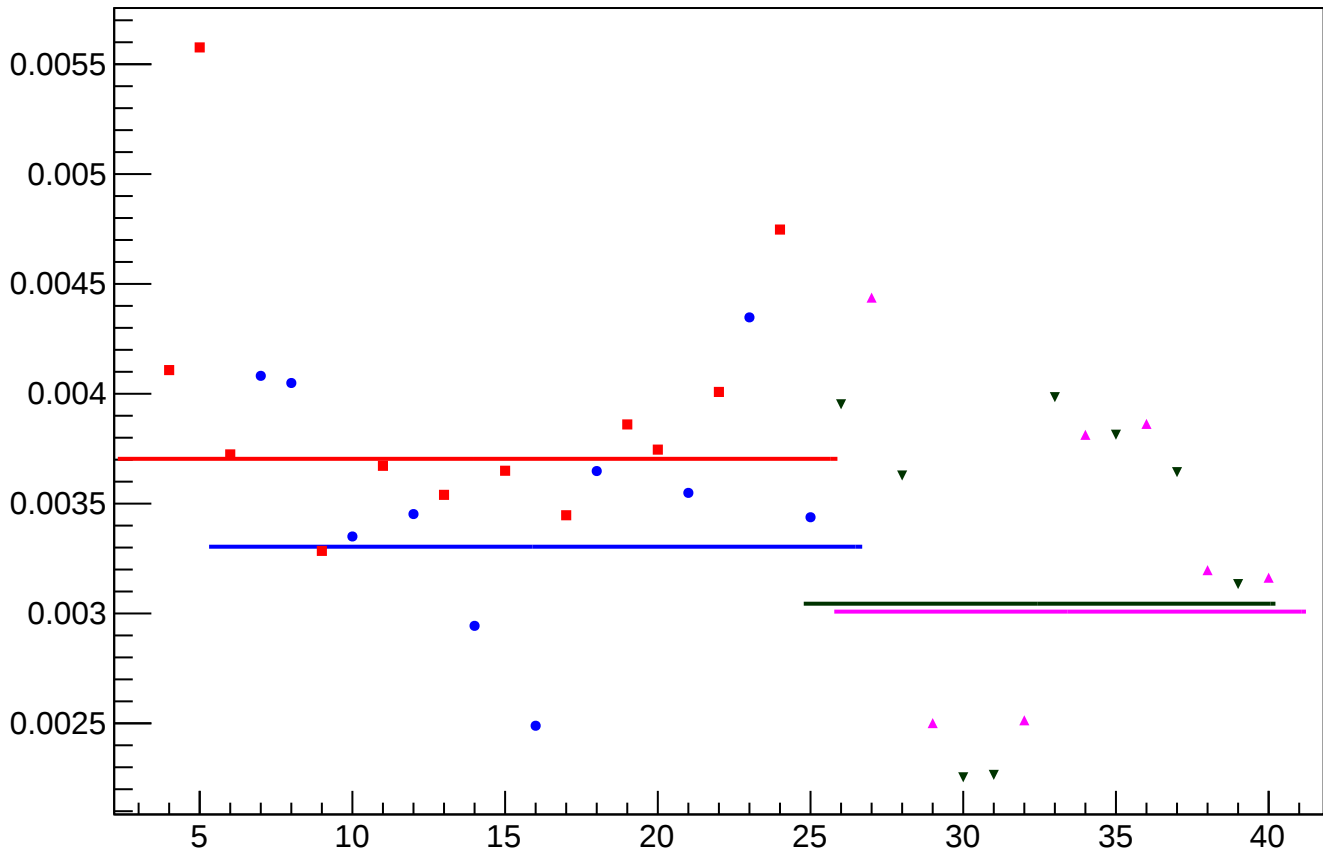
Right Out: -0.286+/-0.000 χ^2/NDF : 270487970.3/11

Left In: -0.427+/-0.000 χ^2/NDF :1081601547.4/6

-0.375+/-0.000 χ^2/NDF : 13600234079.6/17

-0.359+/-0.000 χ^2/NDF : 5697301226.7/18

yield_bpm0l10Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 307709.2/9

Left Out: 0.003+/-0.000 χ^2/NDF : 414065.3/7

Right Out: 0.004+/-0.000 χ^2/NDF : 119237.1/11

Left In: 0.003+/-0.000 χ^2/NDF : 388236.1/6

0.003+/-0.000 χ^2/NDF : 753259.3/17

0.003+/-0.000 χ^2/NDF : 719172.0/18