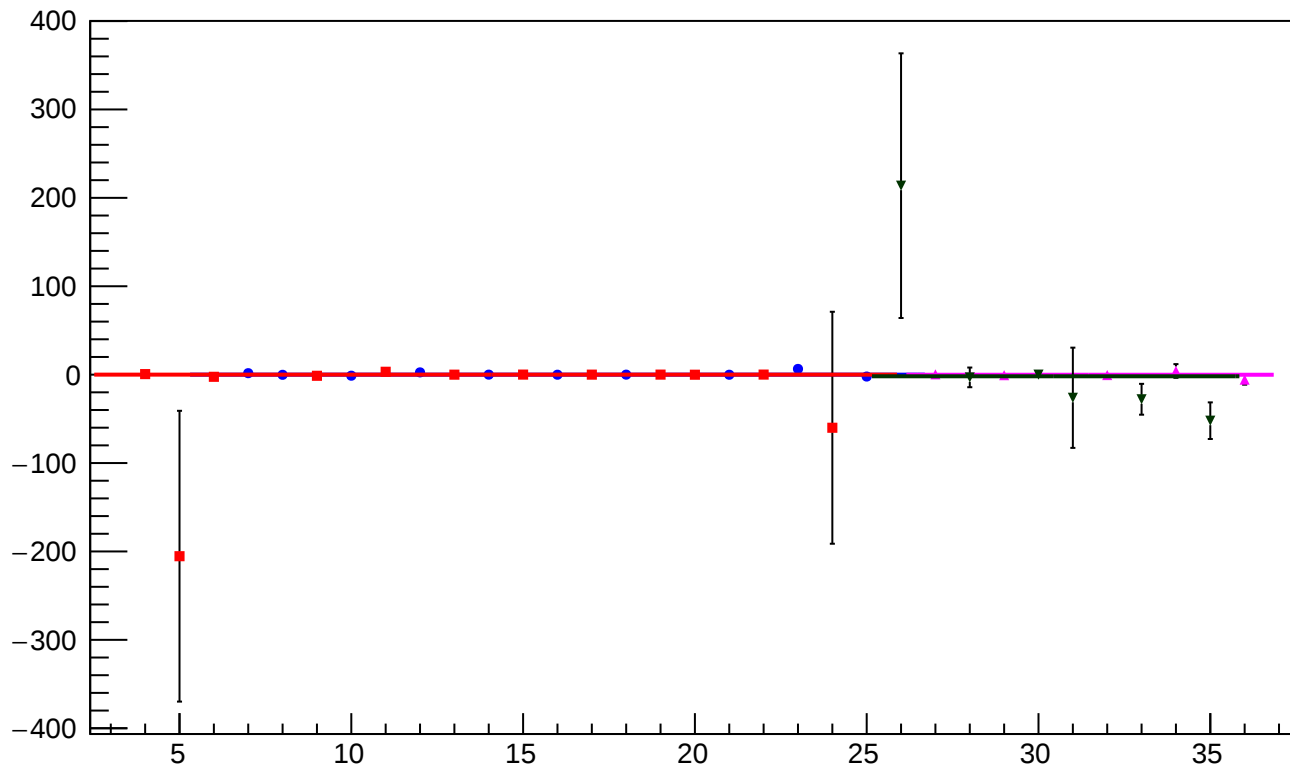


diff_cav4bX_mean vs slug



Right In: -0.014 ± 0.014

$\chi^2/\text{NDF}: 18.0/9$

Left Out: -1.845 ± 2.822

$\chi^2/\text{NDF}: 10.8/5$

Right Out: 0.017 ± 0.016

$\chi^2/\text{NDF}: 19.3/11$

-0.014 ± 0.014

$\chi^2/\text{NDF}: 29.2/15$

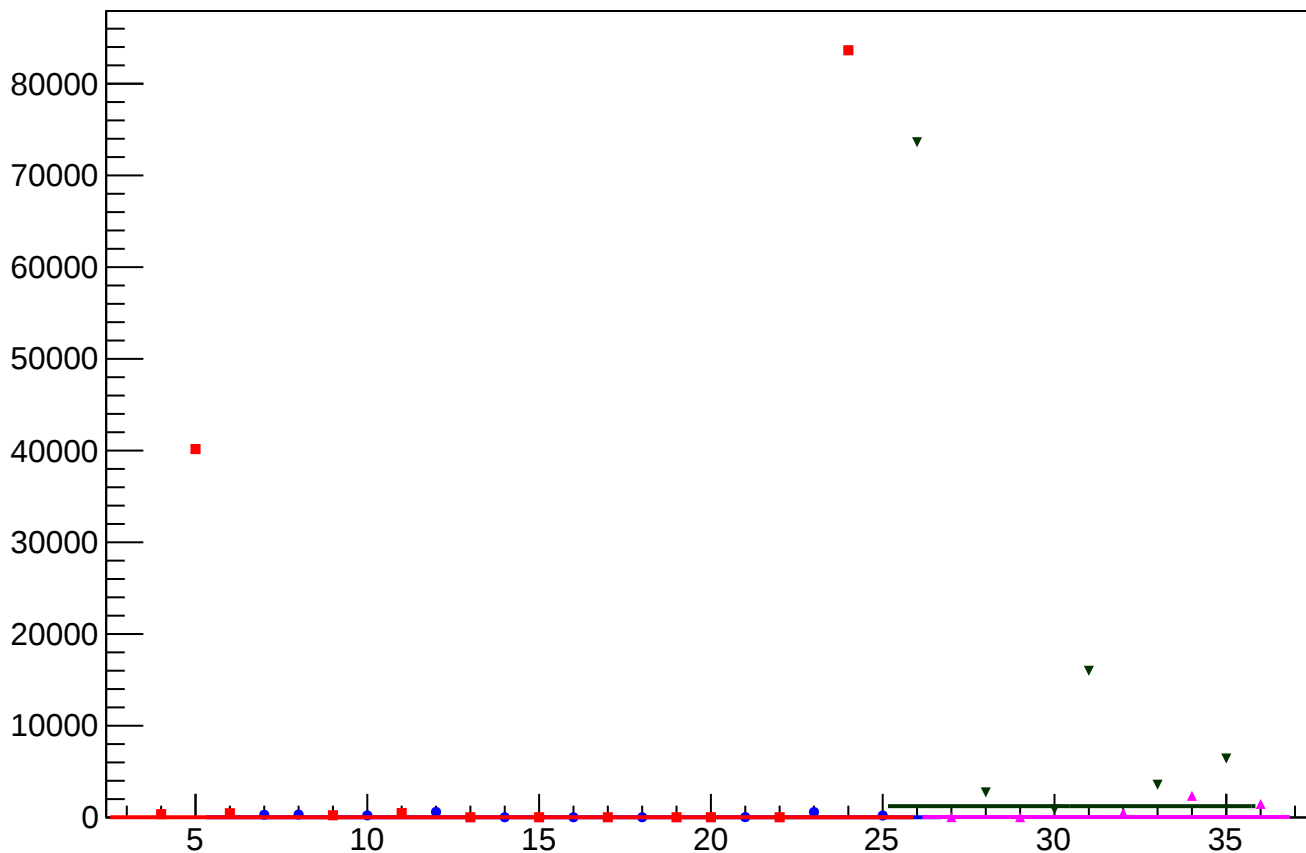
0.016 ± 0.016

$\chi^2/\text{NDF}: 29.2/16$

Left In: -0.114 ± 0.170

$\chi^2/\text{NDF}: 9.3/4$

diff_cav4bX_rms vs slug



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

Left Out: 1232.438+/-1.996 χ^2 /NDF: 829147.0/5

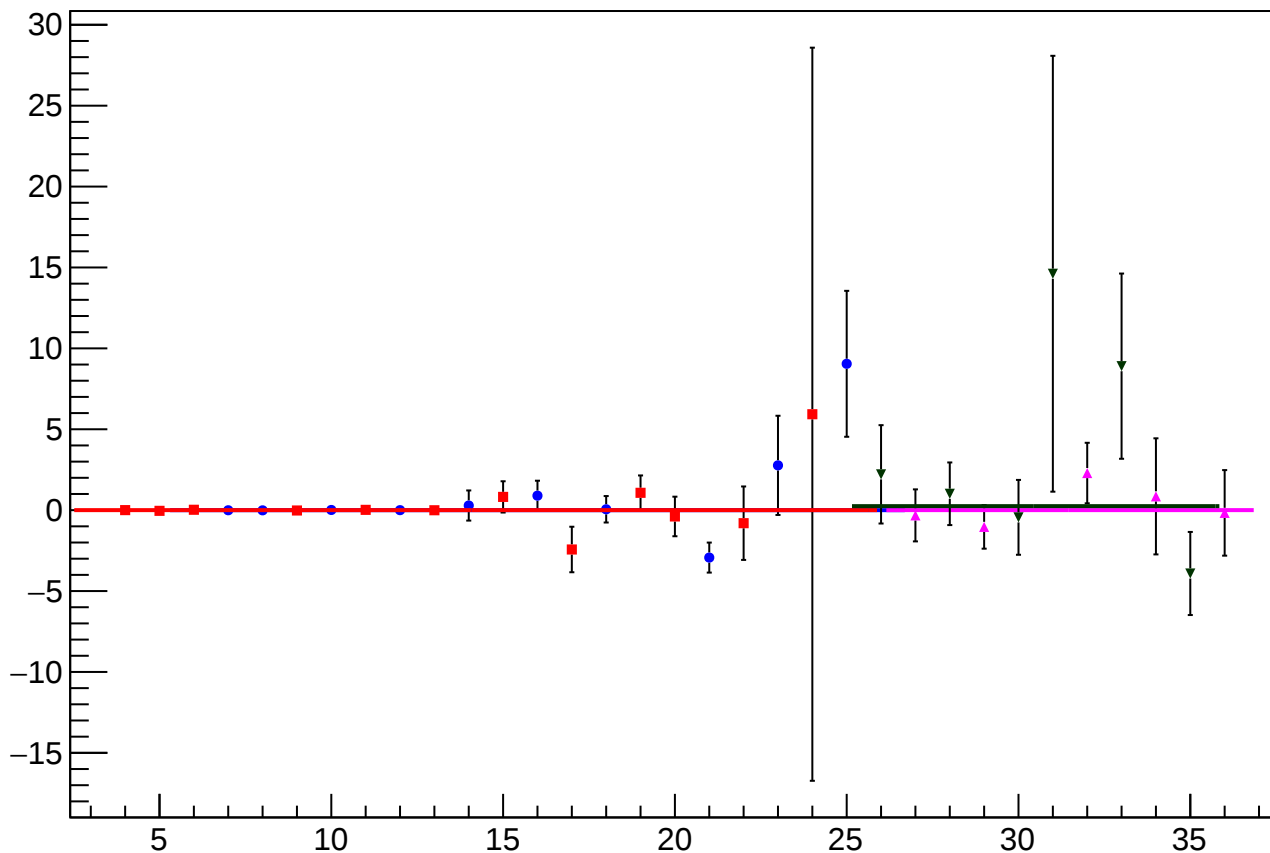
Right Out: 22.575+/-0.011 χ^2 /NDF: 1409994.7/11

Left In: 48.325+/-0.120 χ^2 /NDF: 545007.9/4

22.430+/-0.010 χ^2 /NDF: 1967258.0/15

22.806+/-0.011 χ^2 /NDF: 2000636.9/16

diff_cav4bY_mean vs slug



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

Left Out: 0.248 ± 1.155 χ^2/NDF : 6.7/5

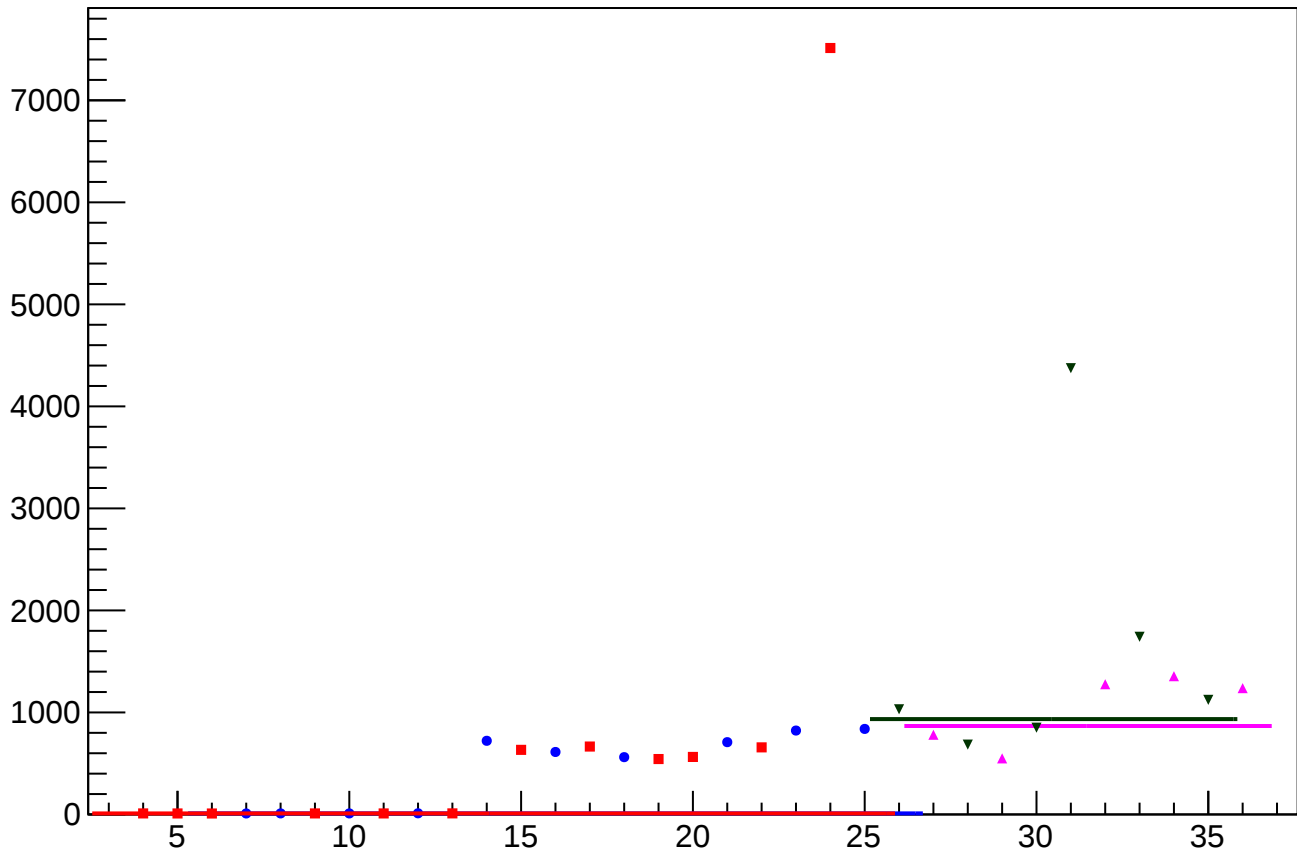
Right Out: 0.002 ± 0.005 χ^2/NDF : 17.0/11

Left In: 0.002 ± 0.832 χ^2/NDF : 2.2/4

-0.001 ± 0.006 χ^2/NDF : 24.9/15

0.002 ± 0.005 χ^2/NDF : 19.2/16

diff_cav4bY_rms vs slug



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

Left Out: 934.813+/-0.817 χ^2/NDF : 218994.3/5

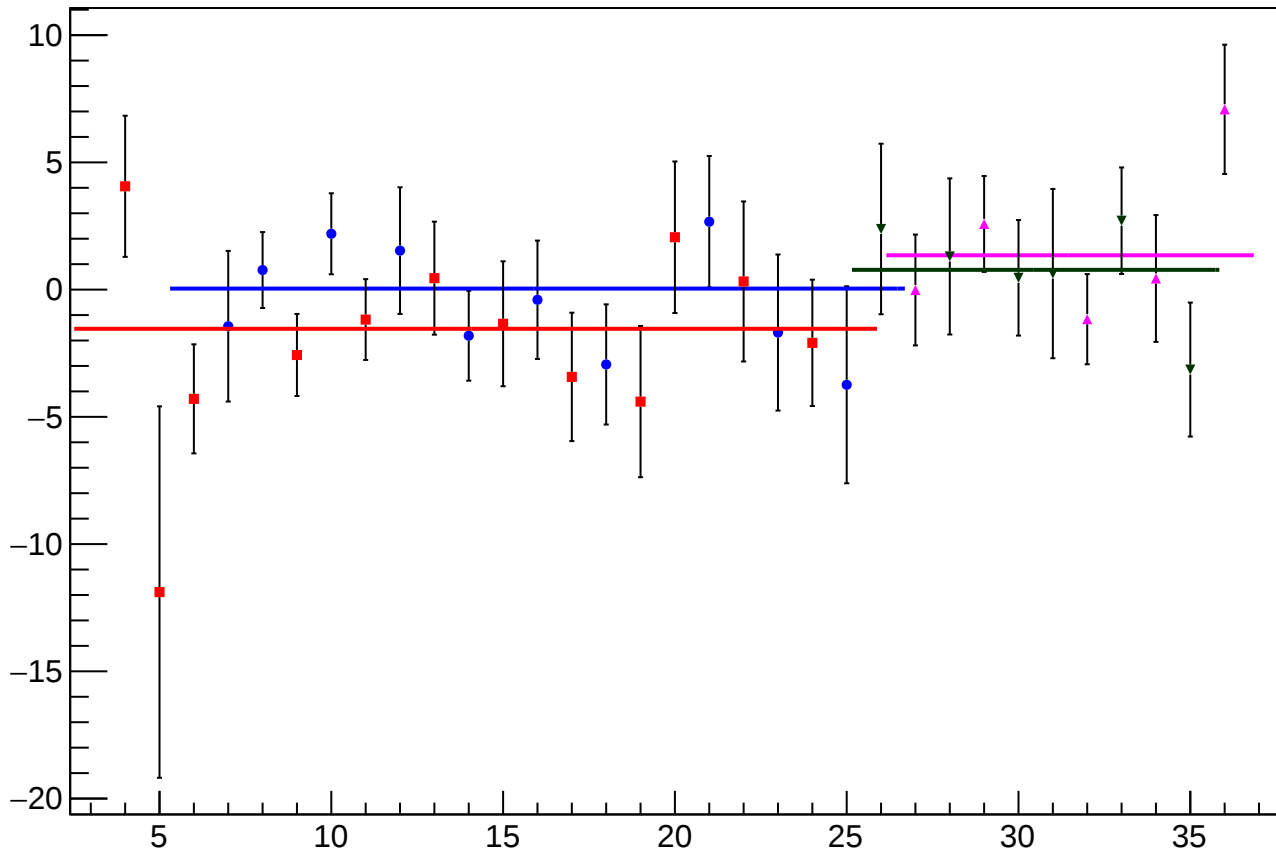
Right Out: 10.074+/-0.004 χ^2/NDF : 2563210.4/11

Left In: 867.066+/-0.588 χ^2/NDF : 289012.1/4

10.519+/-0.005 χ^2/NDF : 5778001.7/15

10.111+/-0.004 χ^2/NDF : 4974372.8/16

diff_cav4cX_mean vs slug



Right In: 0.040 $\pm$ 0.686 χ^2 /NDF: 7.7/9

Left Out: 0.777 $\pm$ 1.083 χ^2 /NDF: 3.3/5

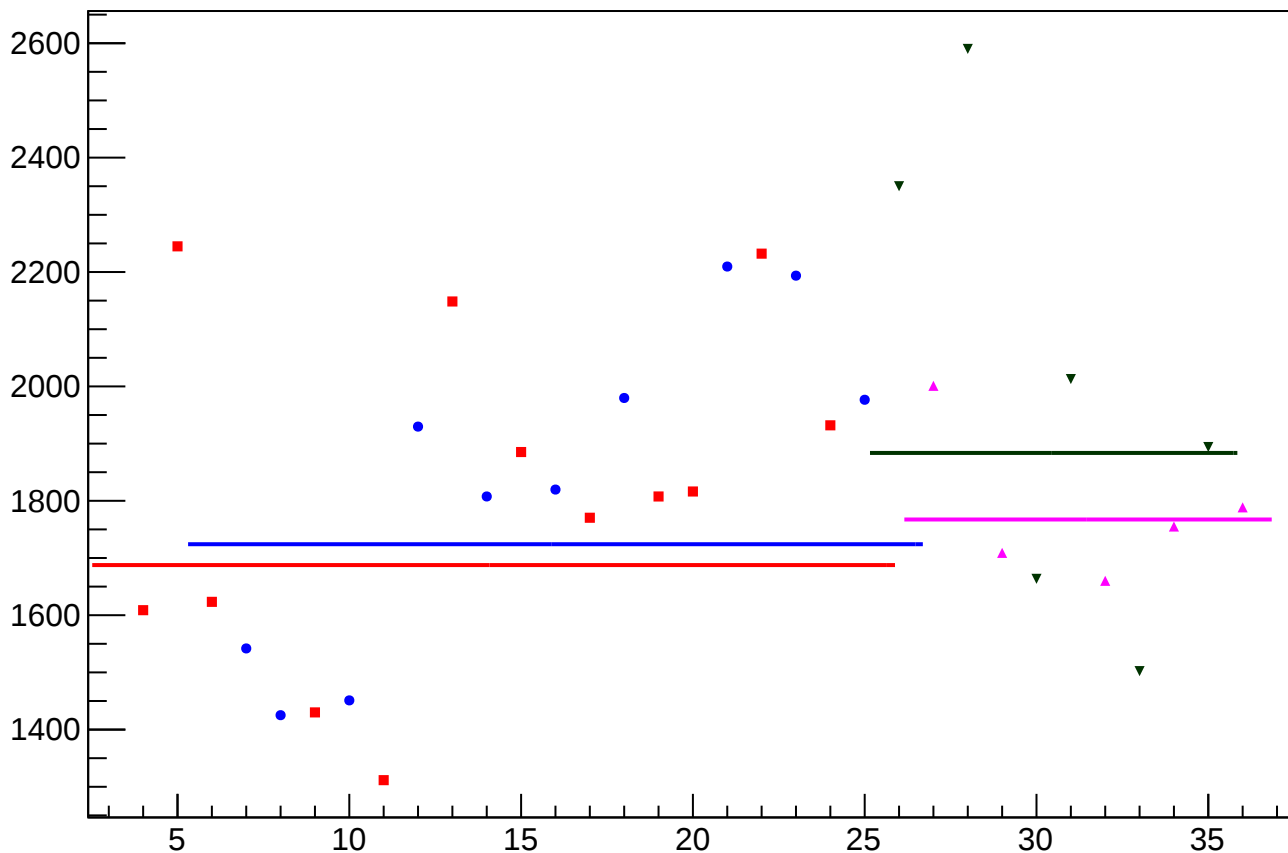
0.251 $\pm$ 0.579 χ^2 /NDF: 11.4/15

Right Out: -1.539 $\pm$ 0.680 χ^2 /NDF: 12.4/11

-0.550 $\pm$ 0.551 χ^2 /NDF: 26.6/16

Left In: 1.350 $\pm$ 0.942 χ^2 /NDF: 8.1/4

diff_cav4cX_rms vs slug



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

Left Out: 1883.703 $\pm$ 0.766 χ^2 /NDF:233101.4/5

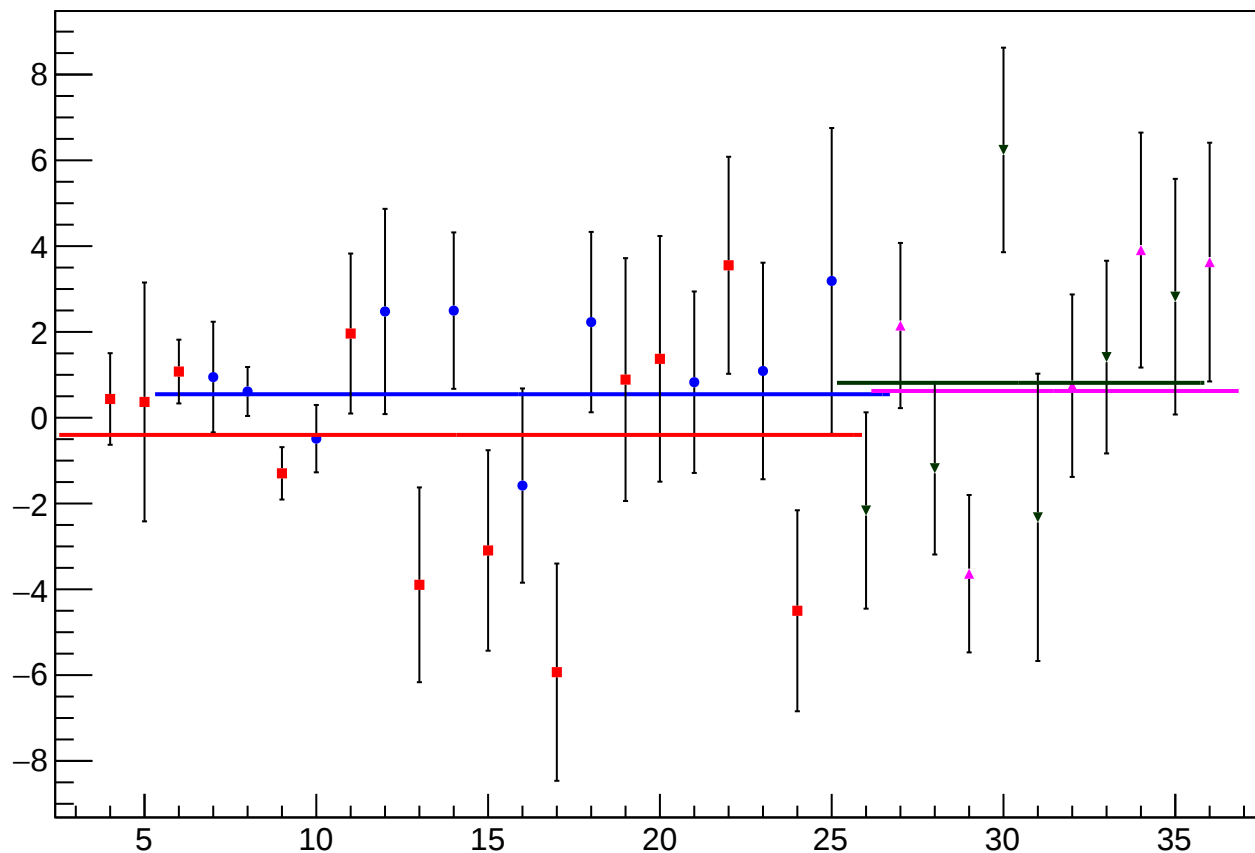
Right Out: 1687.646 $\pm$ 0.481 χ^2 /NDF: 366003.0/11

Left In: 1767.327 $\pm$ 0.666 χ^2 /NDF:32463.3/4

1769.765 $\pm$ 0.410 χ^2 /NDF: 581822.0/15

1714.936 $\pm$ 0.390 χ^2 /NDF: 407877.3/16

diff_cav4cY_mean vs slug



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

Left Out: 0.813 ± 0.983 $\chi^2/\text{NDF}: 9.3/5$

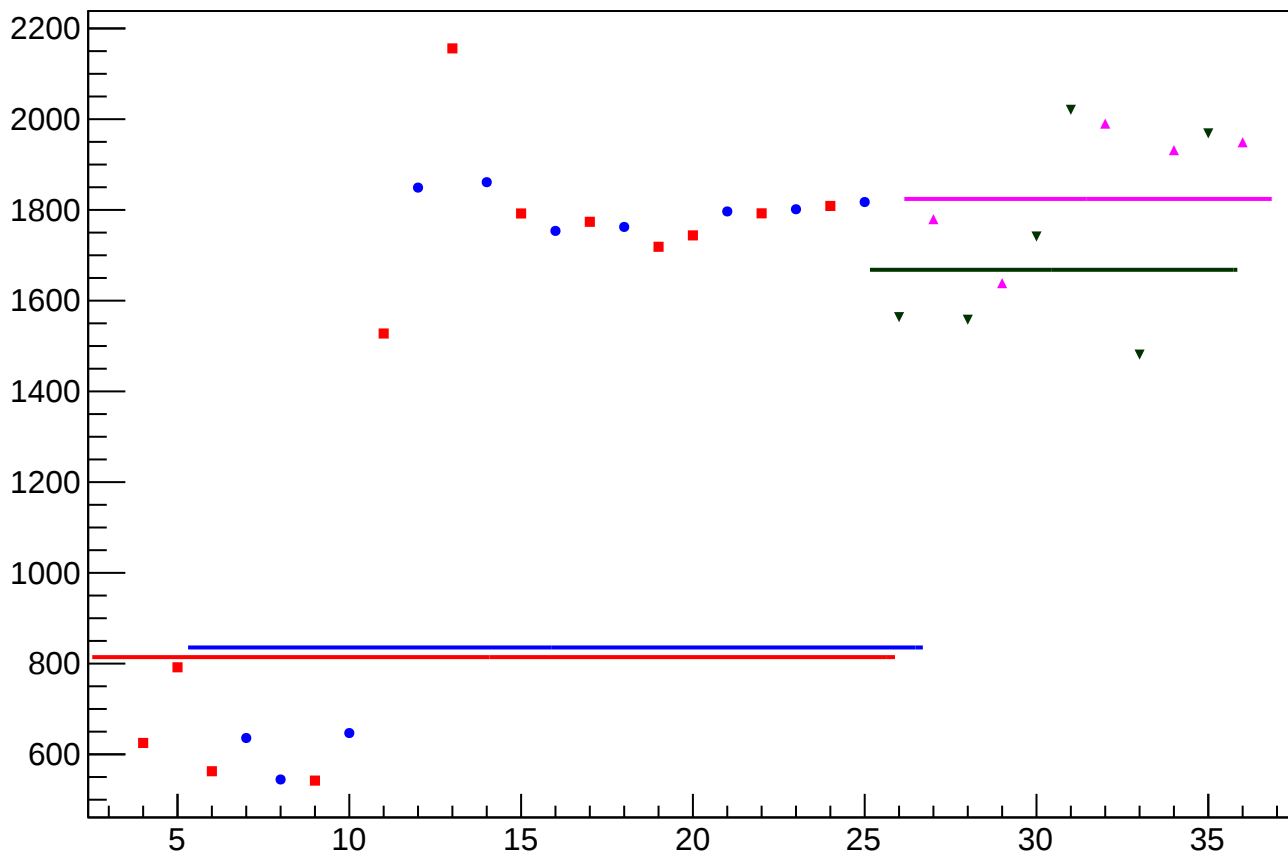
Right Out: -0.401 ± 0.381 $\chi^2/\text{NDF}: 23.0/11$

Left In: 0.623 ± 0.976 $\chi^2/\text{NDF}: 8.6/4$

0.584 ± 0.361 $\chi^2/\text{NDF}: 15.2/15$

-0.266 ± 0.355 $\chi^2/\text{NDF}: 32.5/16$

diff_cav4cY_rms vs slug



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

Left Out: 1668.044+/-0.695 χ^2/NDF : 72040.4/5

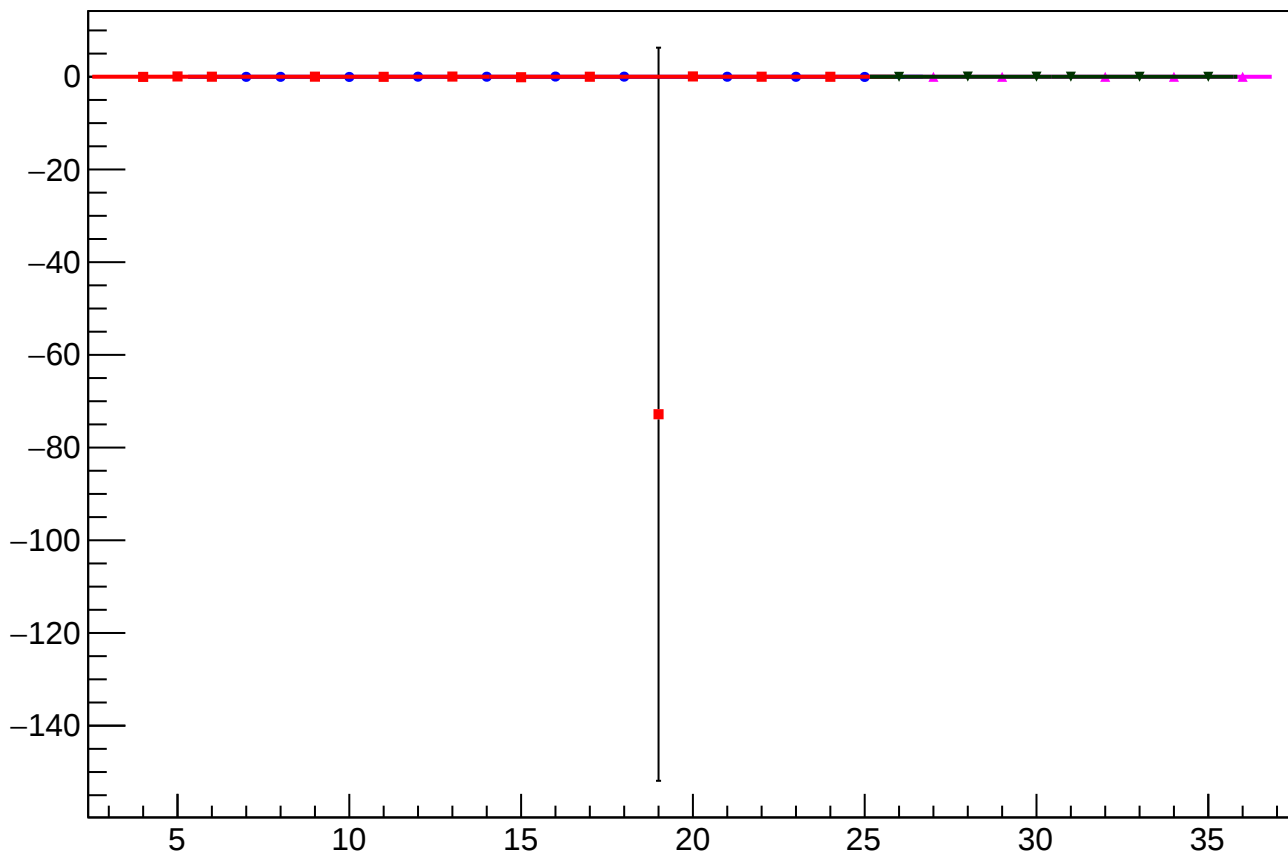
Right Out: 814.291+/-0.269 χ^2/NDF : 3392438.7/11

Left In: 1824.206+/-0.690 χ^2/NDF : 40844.7/4

947.660+/-0.255 χ^2/NDF : 4562037.5/15

947.612+/-0.251 χ^2/NDF : 5292814.9/16

diff_cav4dX_mean vs slug



Right In: -0.005+/-0.008 χ^2/NDF : 5.9/9

Left Out: 0.007+/-0.006 χ^2/NDF : 5.8/5

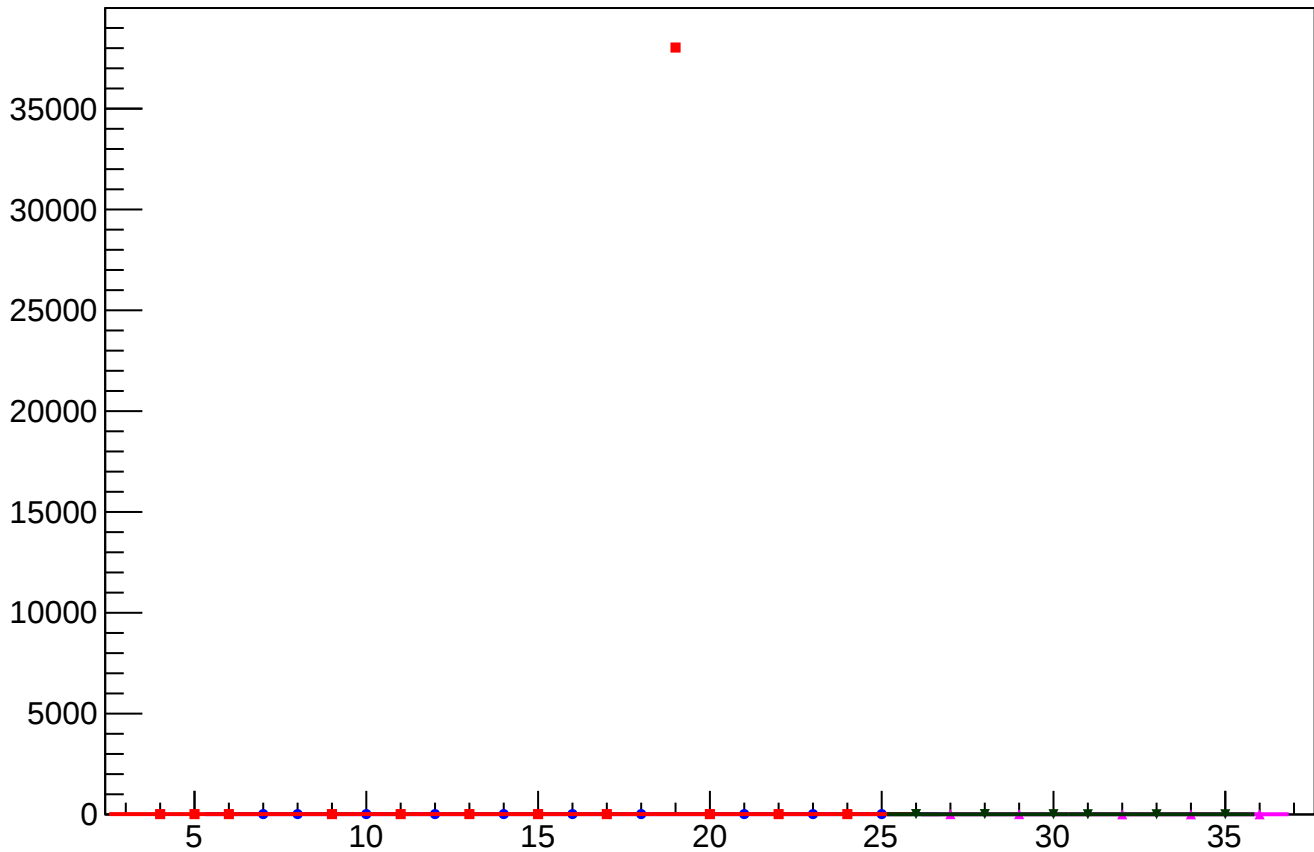
Right Out: 0.011+/-0.008 χ^2/NDF : 11.3/11

Left In: -0.000+/-0.006 χ^2/NDF : 0.2/4

0.003+/-0.005 χ^2/NDF : 13.3/15

0.004+/-0.005 χ^2/NDF : 12.9/16

diff_cav4dX_rms vs slug



Right In: 17.551+/-0.006 χ^2/NDF : 2298.7/9

Left Out: 10.236+/-0.004 χ^2/NDF : 514367.9/5

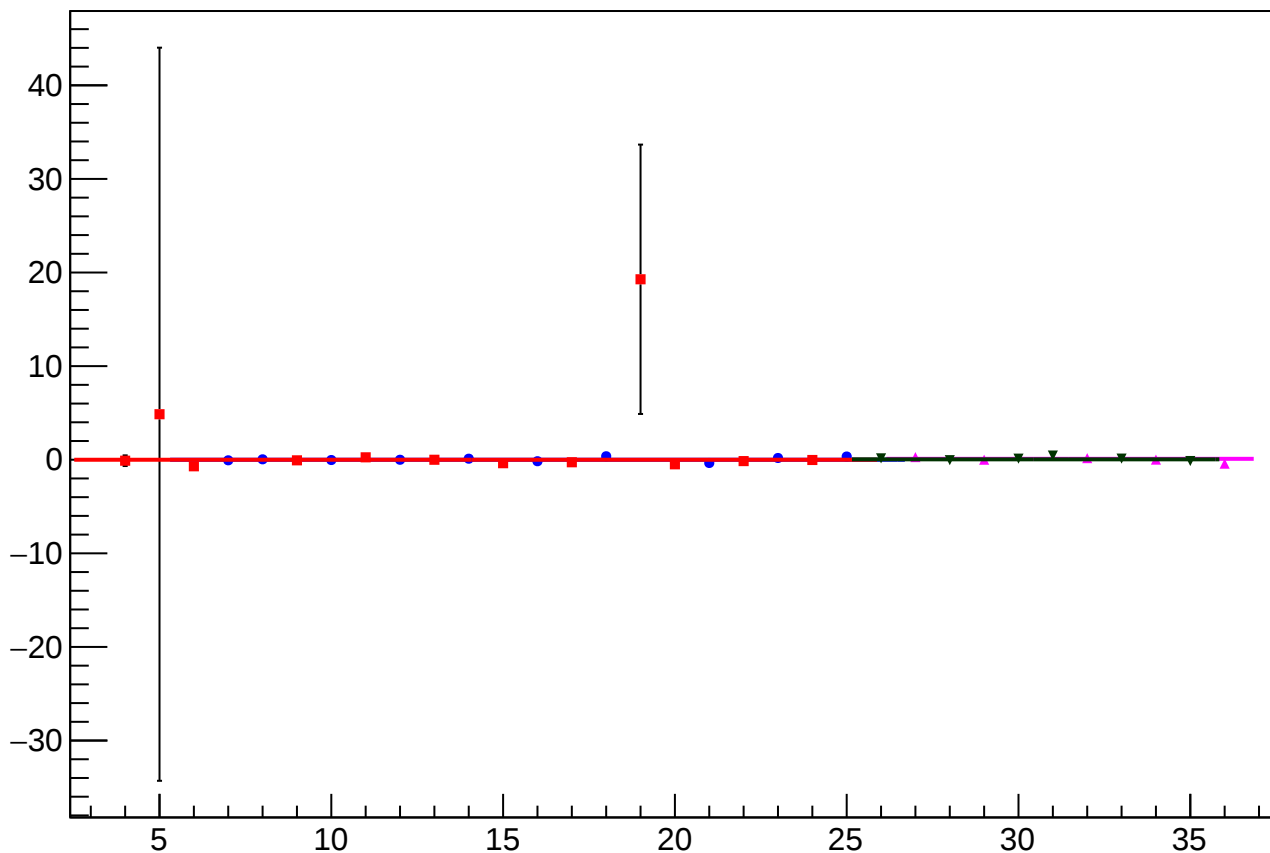
13.016+/-0.003 χ^2/NDF : 1573638.5/15

Right Out: 17.562+/-0.006 χ^2/NDF : 466099.2/11

12.628+/-0.003 χ^2/NDF : 2301278.8/16

Left In: 10.117+/-0.004 χ^2/NDF : 680845.9/4

diff_cav4dY_mean vs slug



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

Left Out: 0.042 ± 0.072 χ^2/NDF : 3.3/5

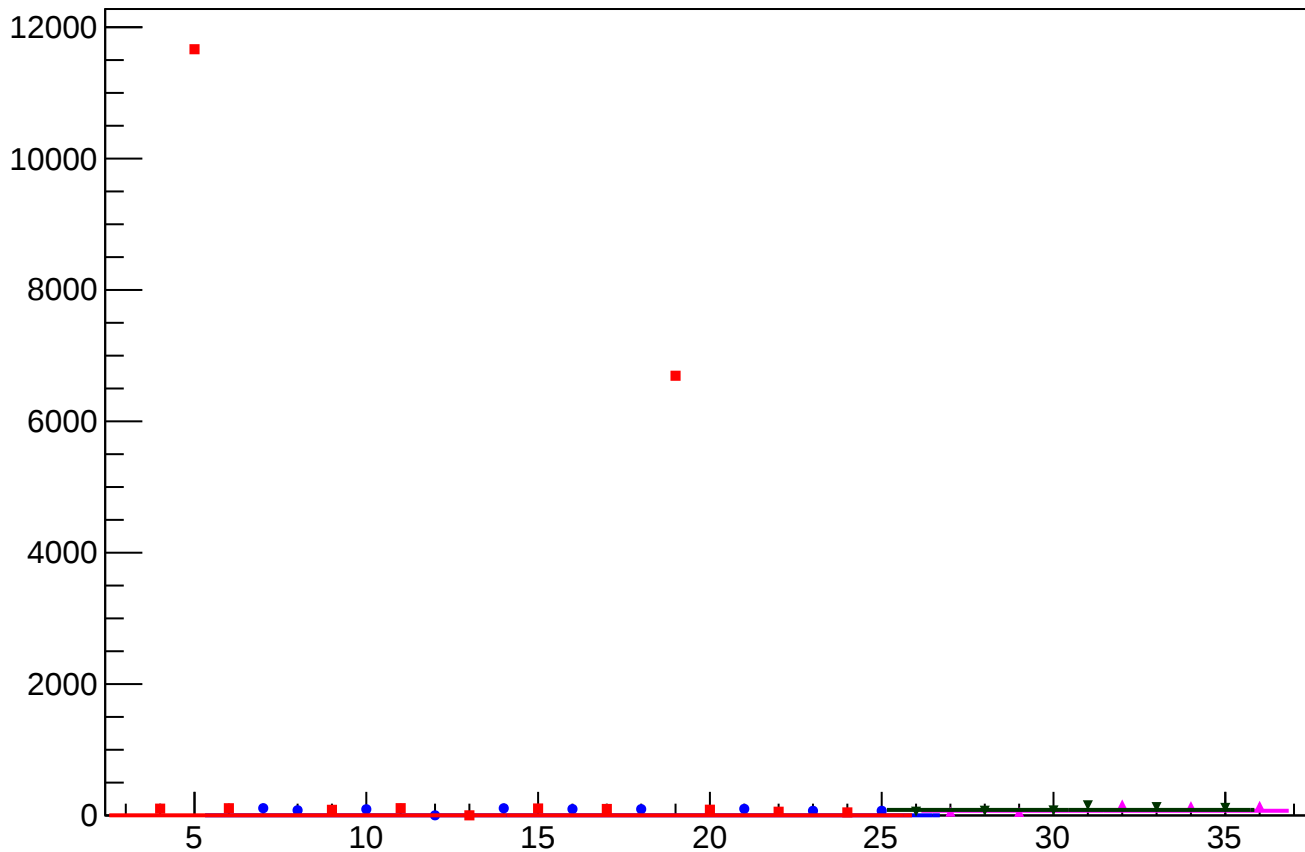
Right Out: -0.003 ± 0.003 χ^2/NDF : 12.3/11

Left In: 0.097 ± 0.061 χ^2/NDF : 7.3/4

-0.003 ± 0.003 χ^2/NDF : 18.7/15

-0.002 ± 0.003 χ^2/NDF : 22.1/16

diff_cav4dY_rms vs slug



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

Left Out: 84.521+/-0.051 χ^2/NDF :263993.3/5

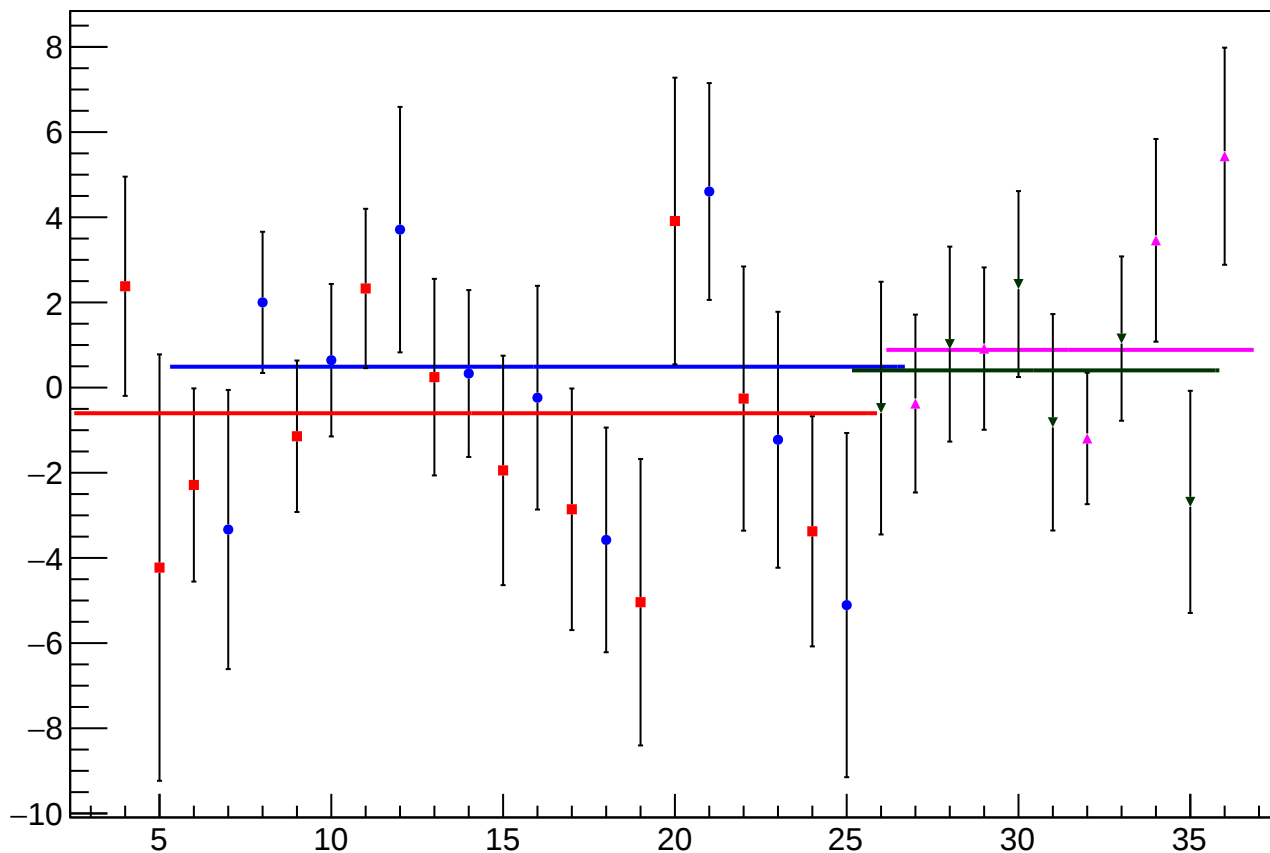
Right Out: 2.056+/-0.002 χ^2/NDF : 4218182.0/11

Left In: 71.385+/-0.043 χ^2/NDF :656697.3/4

2.286+/-0.002 χ^2/NDF : 8751648.0/15

2.224+/-0.002 χ^2/NDF : 7434443.7/16

diff_bpm4aX_mean vs slug



Right In: 0.490 ± 0.753 χ^2/NDF : 10.8/9

Left Out: 0.404 ± 0.960 χ^2/NDF : 2.8/5

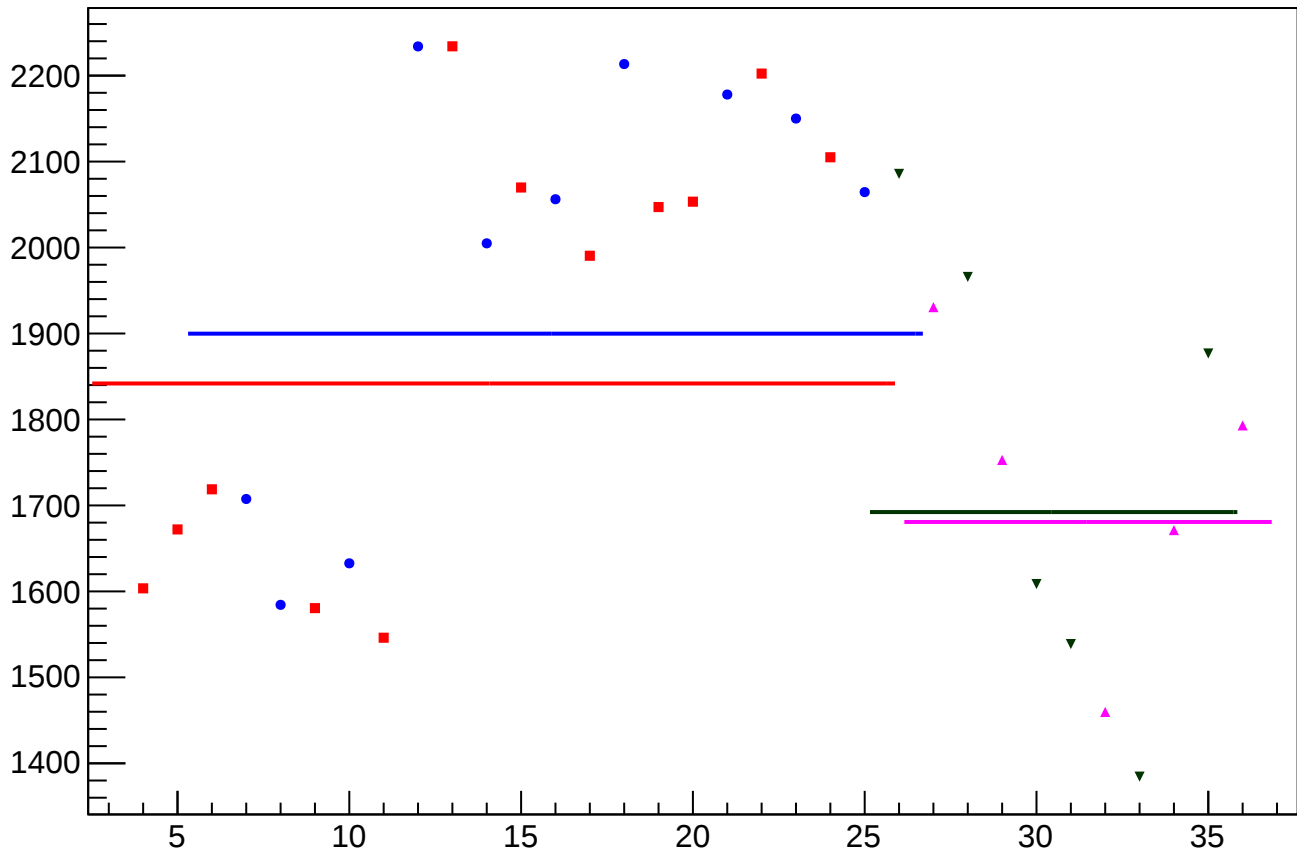
Right Out: -0.602 ± 0.734 χ^2/NDF : 10.6/11

Left In: 0.886 ± 0.893 χ^2/NDF : 6.5/4

0.458 ± 0.592 χ^2/NDF : 13.6/15

-0.002 ± 0.567 χ^2/NDF : 18.8/16

diff_bpm4aX_rms vs slug



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

Left Out: 1692.287+/-0.679 χ^2/NDF :134839.5/5

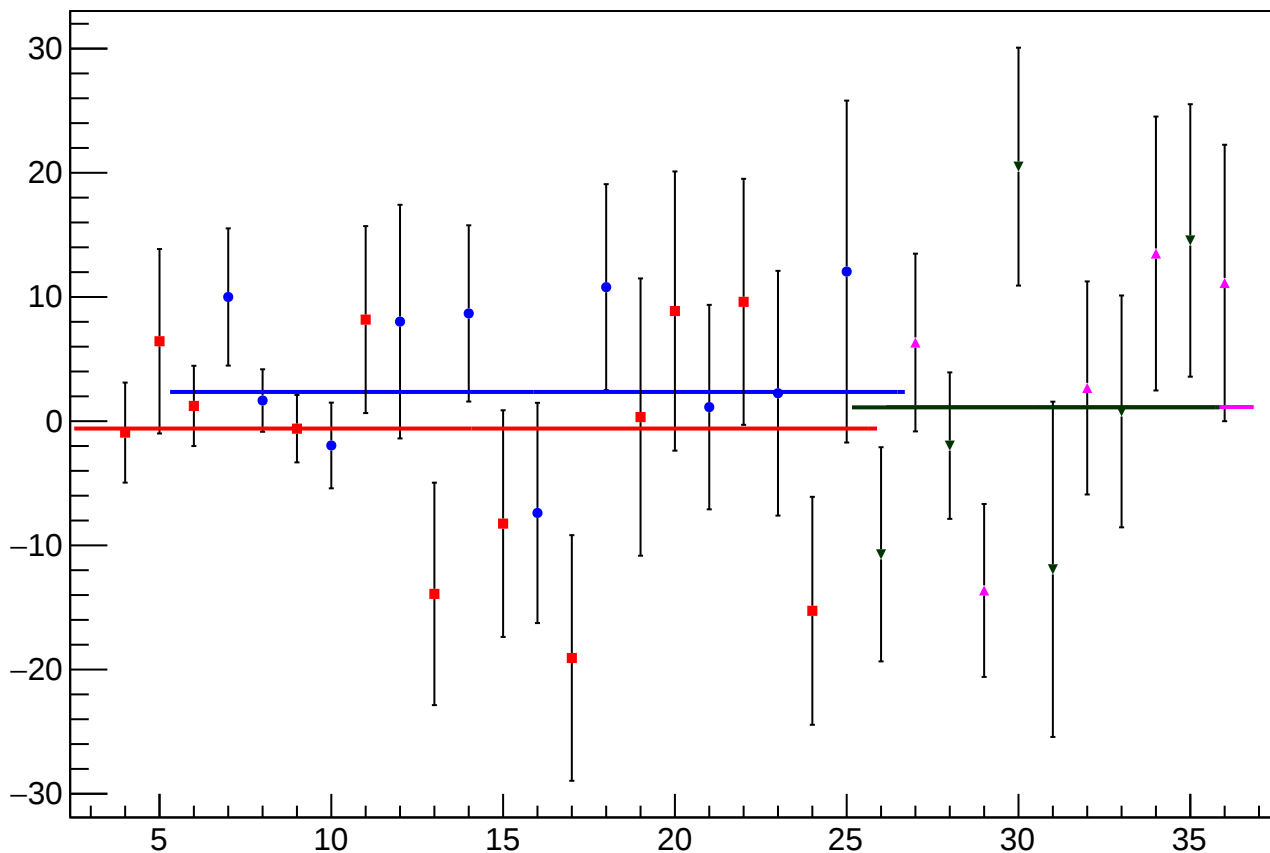
1820.820+/-0.419 χ^2/NDF : 425570.1/15

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

1776.854+/-0.401 χ^2/NDF : 372616.0/16

Left In: 1680.761+/-0.631 χ^2/NDF :76409.7/4

diff_bpm4aY_mean vs slug



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

Left Out: 1.111 ± 3.572 $\chi^2/\text{NDF}: 8.7/5$

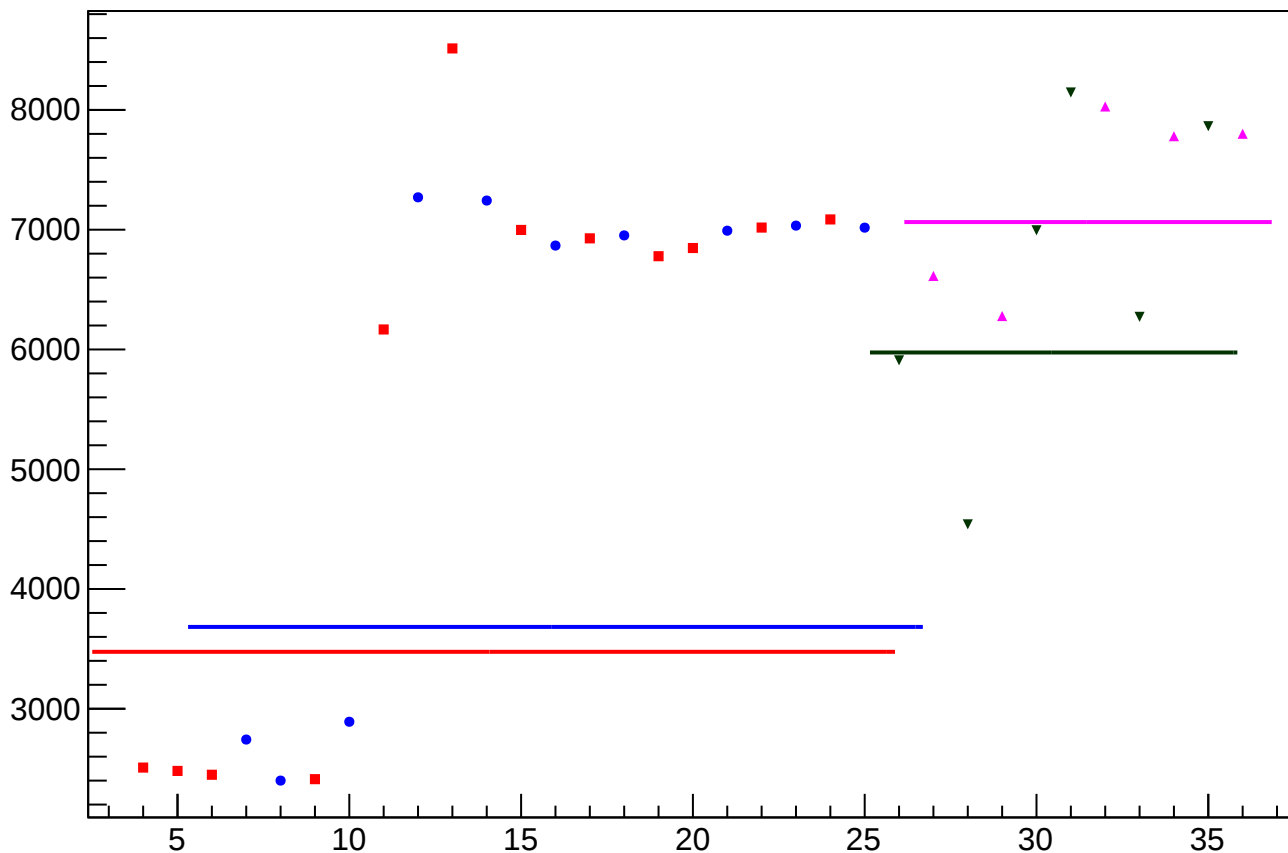
Right Out: -0.592 ± 1.578 $\chi^2/\text{NDF}: 13.3/11$

Left In: 1.141 ± 3.779 $\chi^2/\text{NDF}: 7.1/4$

2.133 ± 1.504 $\chi^2/\text{NDF}: 16.3/15$

-0.335 ± 1.456 $\chi^2/\text{NDF}: 20.6/16$

diff_bpm4aY_rms vs slug



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

Left Out: 5974.785+/-2.526 χ^2/NDF : 254352.3/5

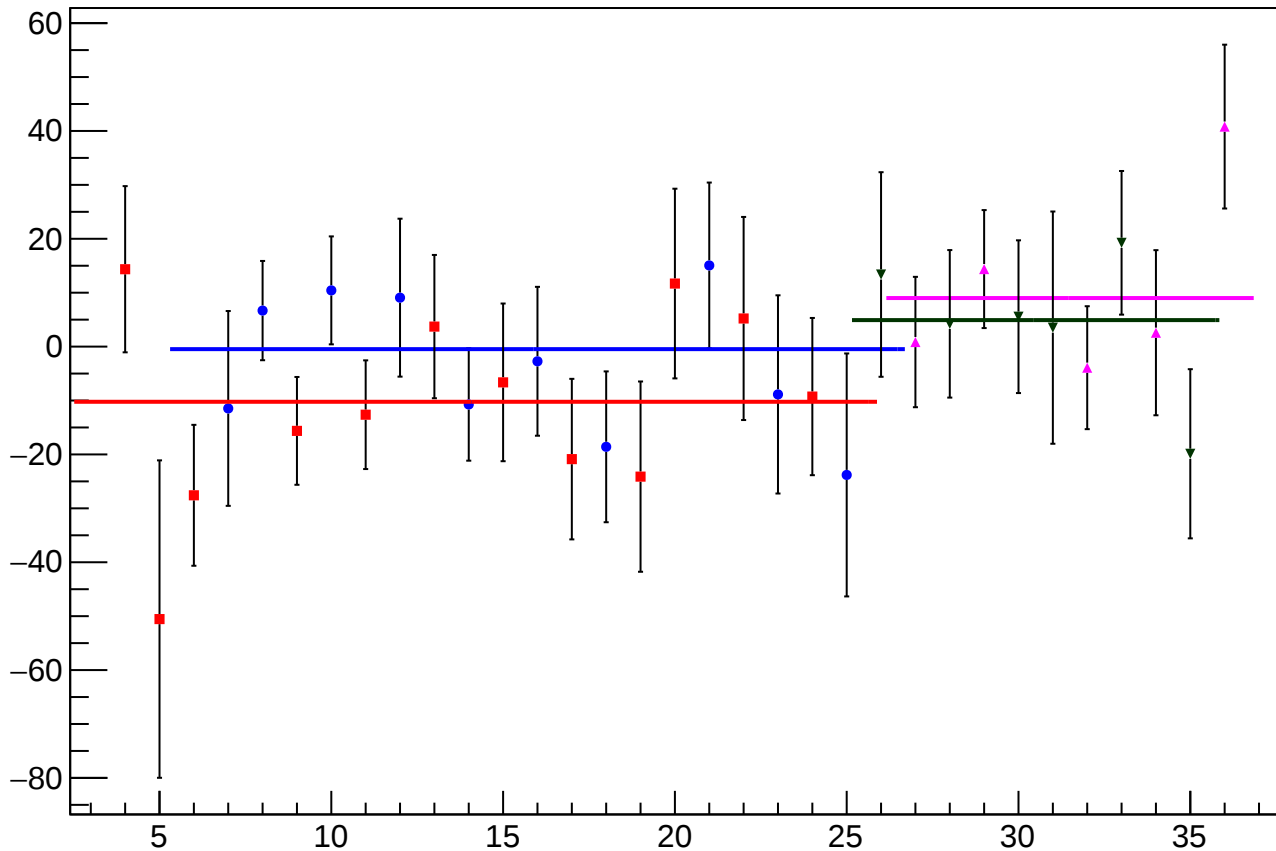
Right Out: 3475.466+/-1.116 χ^2/NDF : 3010113.2/11

Left In: 7063.739+/-2.672 χ^2/NDF : 75844.0/4

4089.649+/-1.064 χ^2/NDF : 3650066.6/15

4008.501+/-1.030 χ^2/NDF : 4621607.5/16

diff_bpm4eX_mean vs slug



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

Left Out: 4.915 ± 6.330 χ^2/NDF : 3.9/5

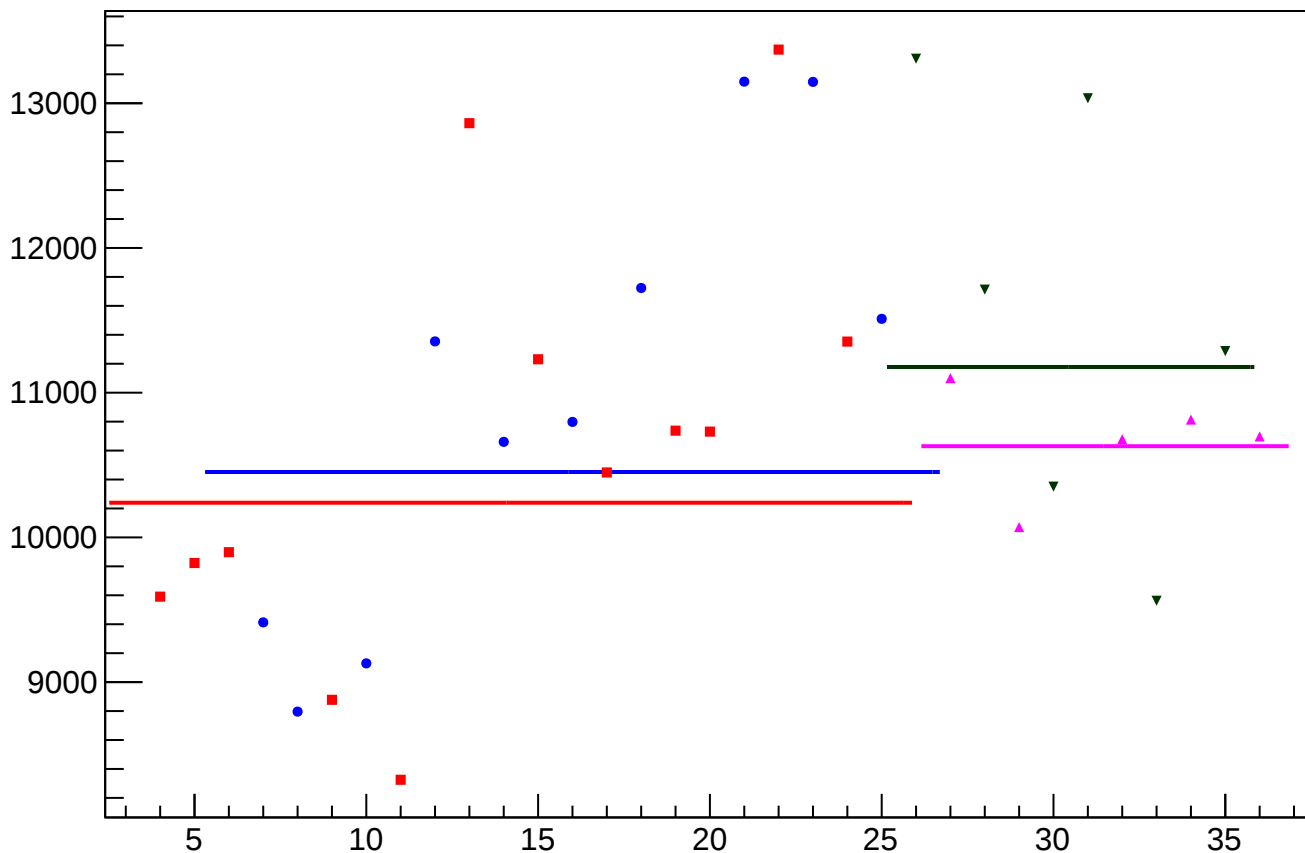
Right Out: -10.234 ± 4.087 χ^2/NDF : 11.1/11

Left In: 9.007 ± 5.636 χ^2/NDF : 6.5/4

1.146 ± 3.468 χ^2/NDF : 11.9/15

-3.603 ± 3.309 χ^2/NDF : 25.2/16

diff_bpm4eX_rms vs slug



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

Left Out: 11177.614+/-4.476 χ^2/NDF : 79442.1/5

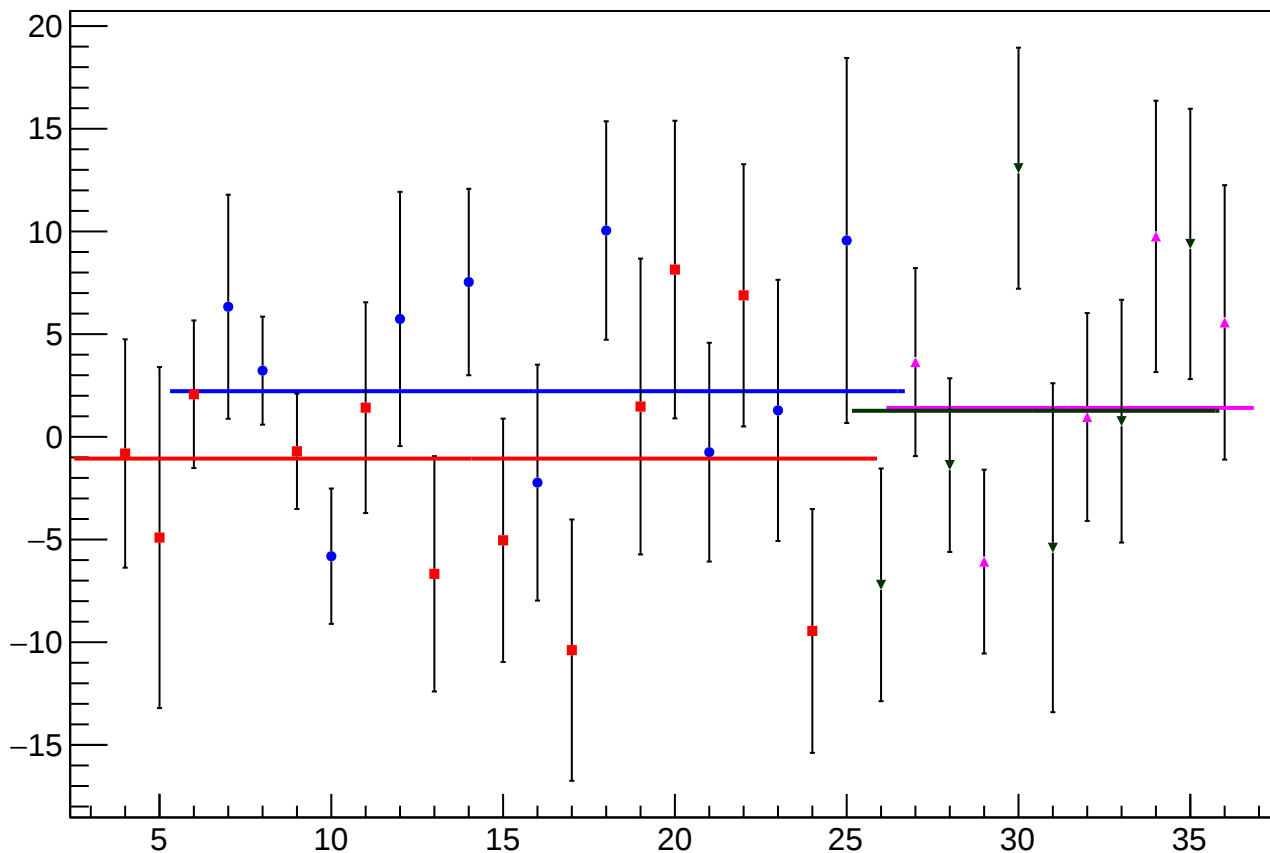
Right Out: 10239.715+/-2.890 χ^2/NDF : 272072.6/11

Left In: 10630.288+/-3.985 χ^2/NDF : 8608.1/4

10669.676+/-2.452 χ^2/NDF : 339200.5/15

10374.310+/-2.340 χ^2/NDF : 286975.3/16

diff_bpm4eY_mean vs slug



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

Left Out: 1.269 ± 2.335 χ^2/NDF : 8.9/5

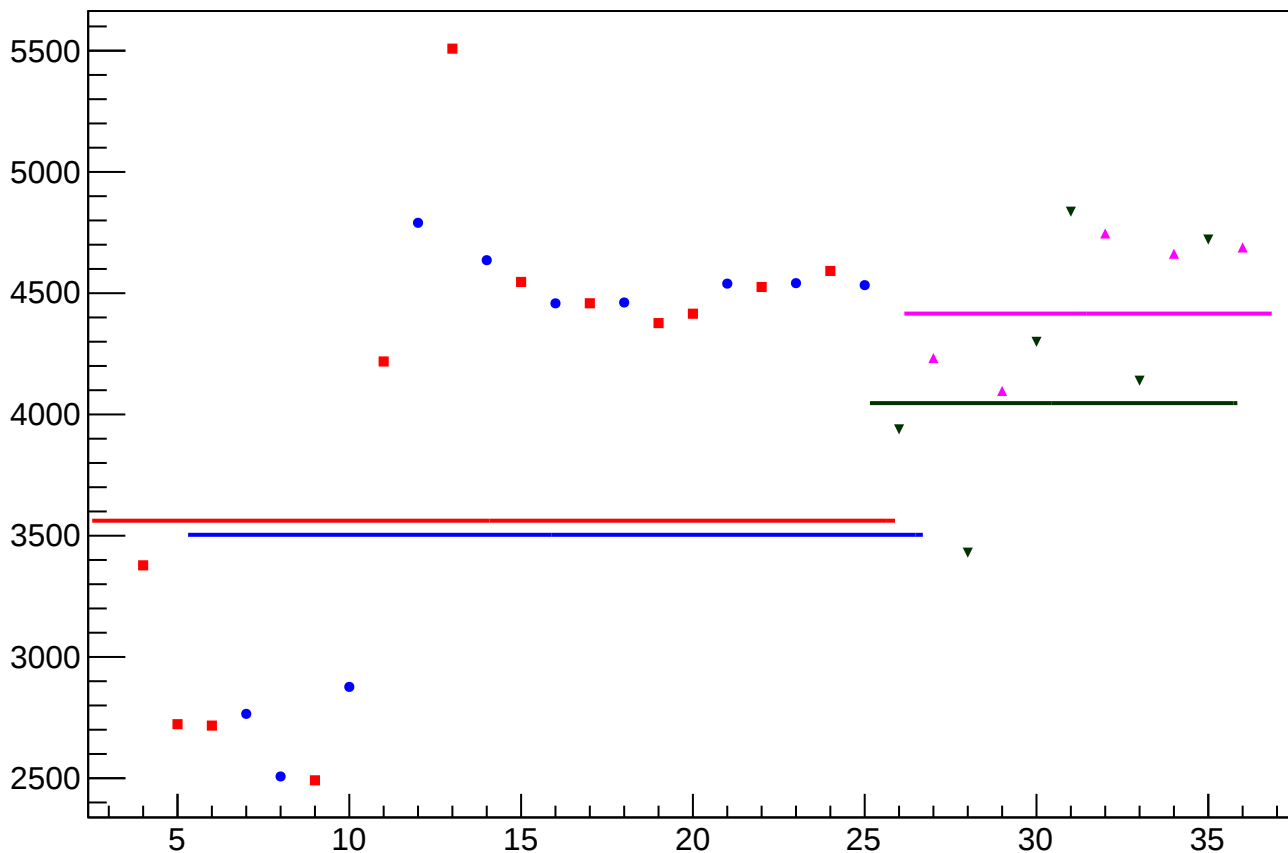
Right Out: -1.058 ± 1.468 χ^2/NDF : 10.1/11

Left In: 1.410 ± 2.344 χ^2/NDF : 5.0/4

1.960 ± 1.225 χ^2/NDF : 21.2/15

-0.363 ± 1.244 χ^2/NDF : 15.9/16

diff_bpm4eY_rms vs slug



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

Left Out: 4046.734+/-1.651 χ^2/NDF : 87919.6/5

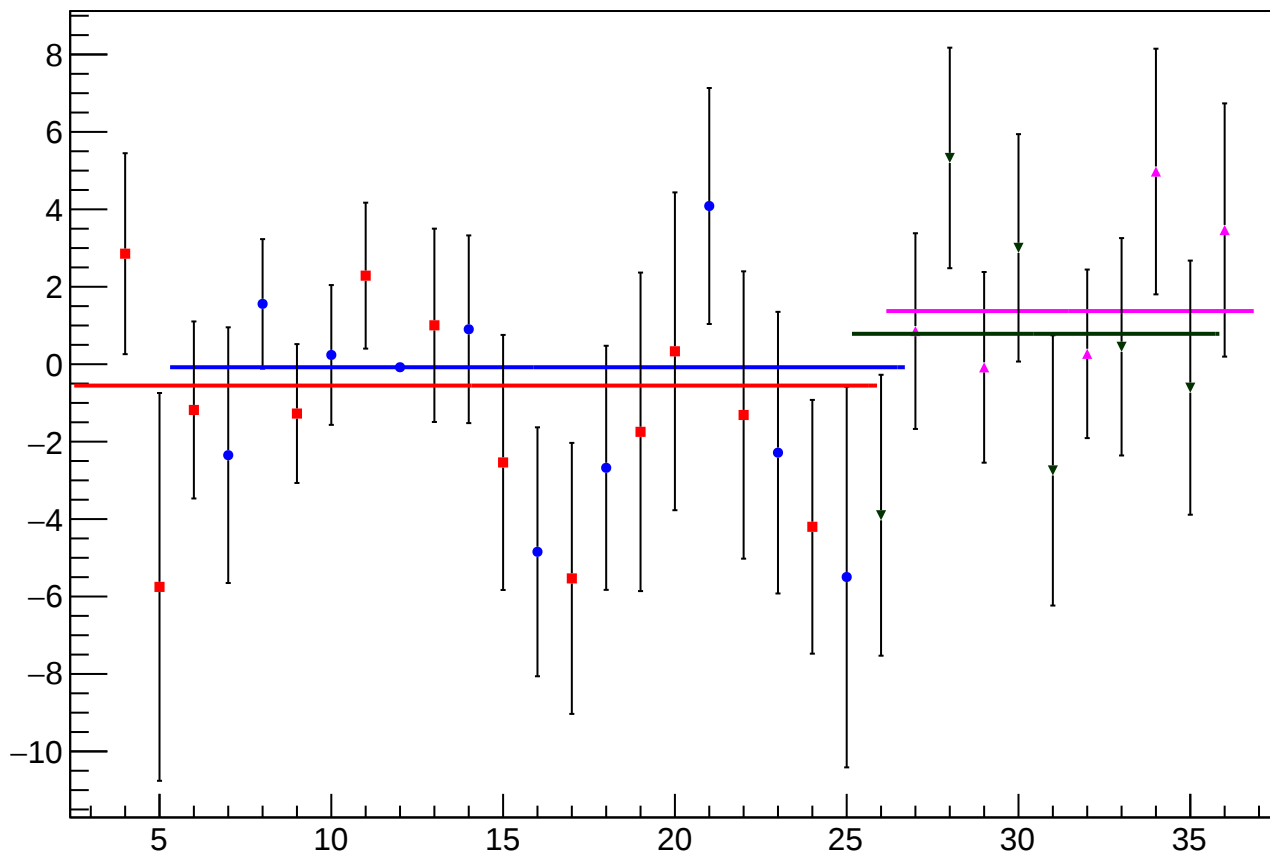
Right Out: 3561.943+/-1.038 χ^2/NDF : 941598.3/11

Left In: 4415.929+/-1.657 χ^2/NDF : 28018.0/4

3653.189+/-0.866 χ^2/NDF : 1049172.8/15

3802.573+/-0.880 χ^2/NDF : 1160313.3/16

diff_bpm4acX_mean vs slug



Right In: -0.078 ± 0.060 χ^2/NDF : 8.0/9

Left Out: 0.785 ± 1.273 χ^2/NDF : 6.0/5

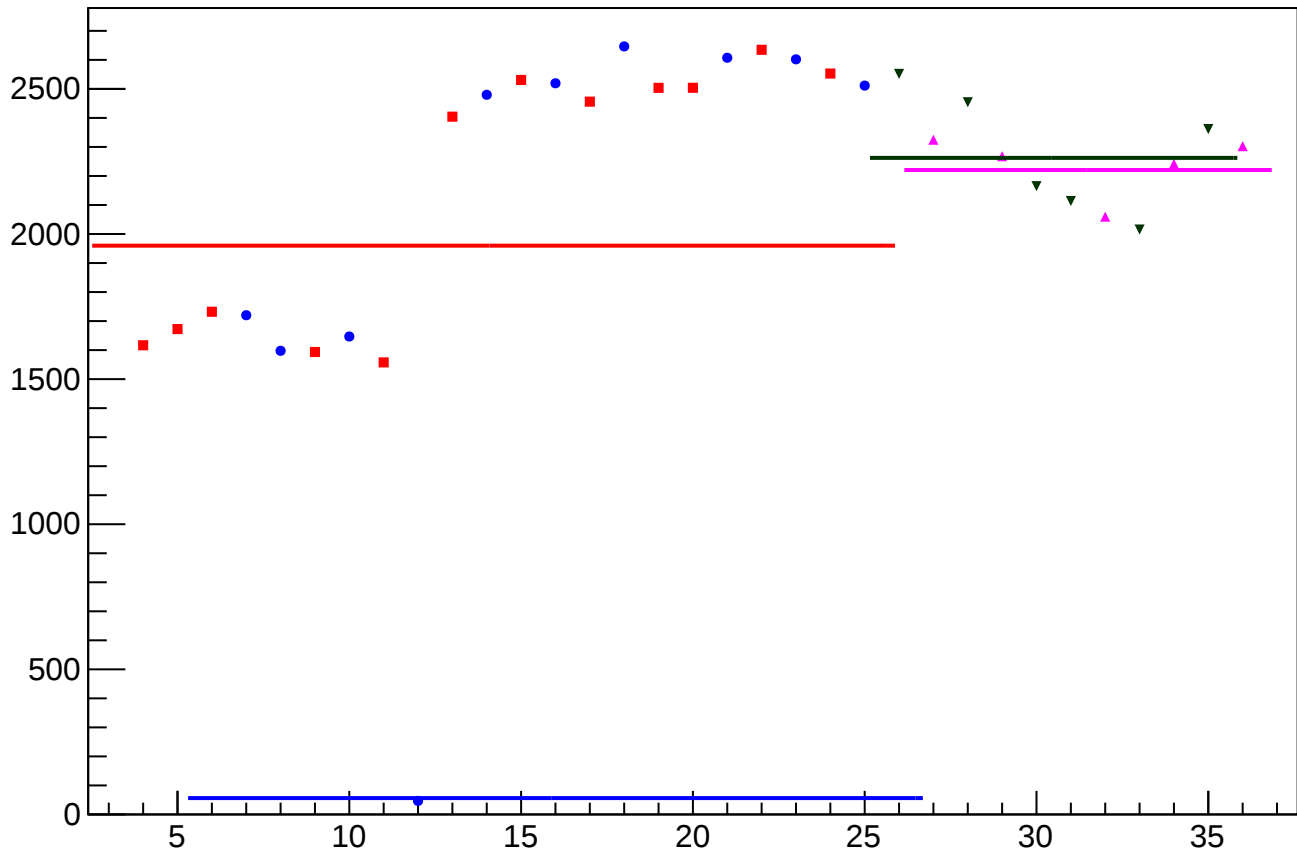
Right Out: -0.552 ± 0.793 χ^2/NDF : 9.5/11

Left In: 1.373 ± 1.174 χ^2/NDF : 2.3/4

-0.076 ± 0.060 χ^2/NDF : 14.4/15

0.051 ± 0.657 χ^2/NDF : 13.7/16

diff_bpm4acX_rms vs slug



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

Left Out: 2262.350+/-0.900 χ^2/NDF : 44910.0/5

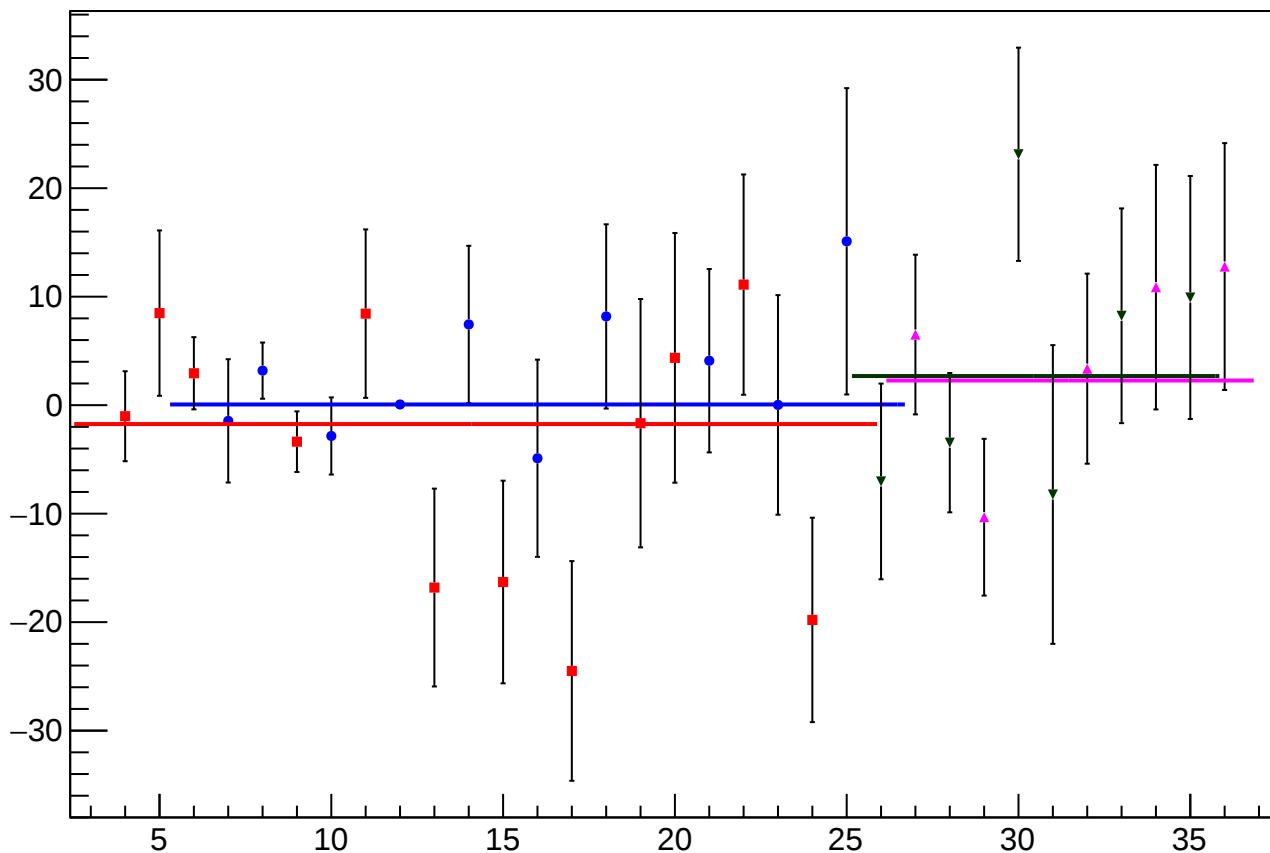
Right Out: 1959.862+/-0.561 χ^2/NDF : 601394.1/11

Left In: 2220.642+/-0.830 χ^2/NDF : 16412.4/4

61.345+/-0.042 χ^2/NDF : 17250058.9/15

2041.539+/-0.465 χ^2/NDF : 685567.2/16

diff_bpm4acY_mean vs slug



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

Left Out: 2.685 ± 3.770 $\chi^2/\text{NDF}: 7.8/5$

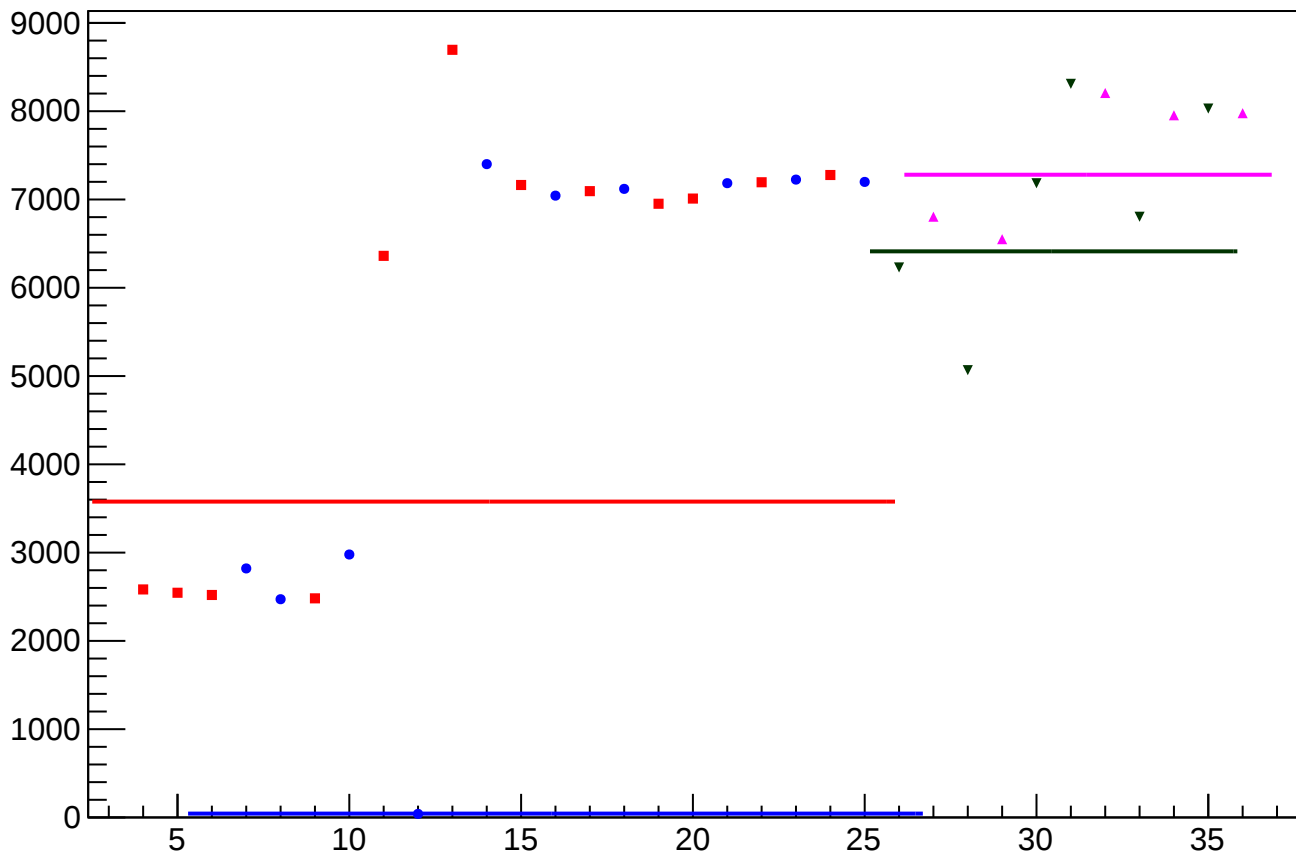
Right Out: -1.741 ± 1.623 $\chi^2/\text{NDF}: 21.6/11$

Left In: 2.273 ± 3.885 $\chi^2/\text{NDF}: 4.8/4$

0.066 ± 0.052 $\chi^2/\text{NDF}: 14.0/15$

-1.145 ± 1.497 $\chi^2/\text{NDF}: 27.4/16$

diff_bpm4acY_rms vs slug



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

Left Out: 6412.615+/-2.666 χ^2 /NDF:183905.3/5

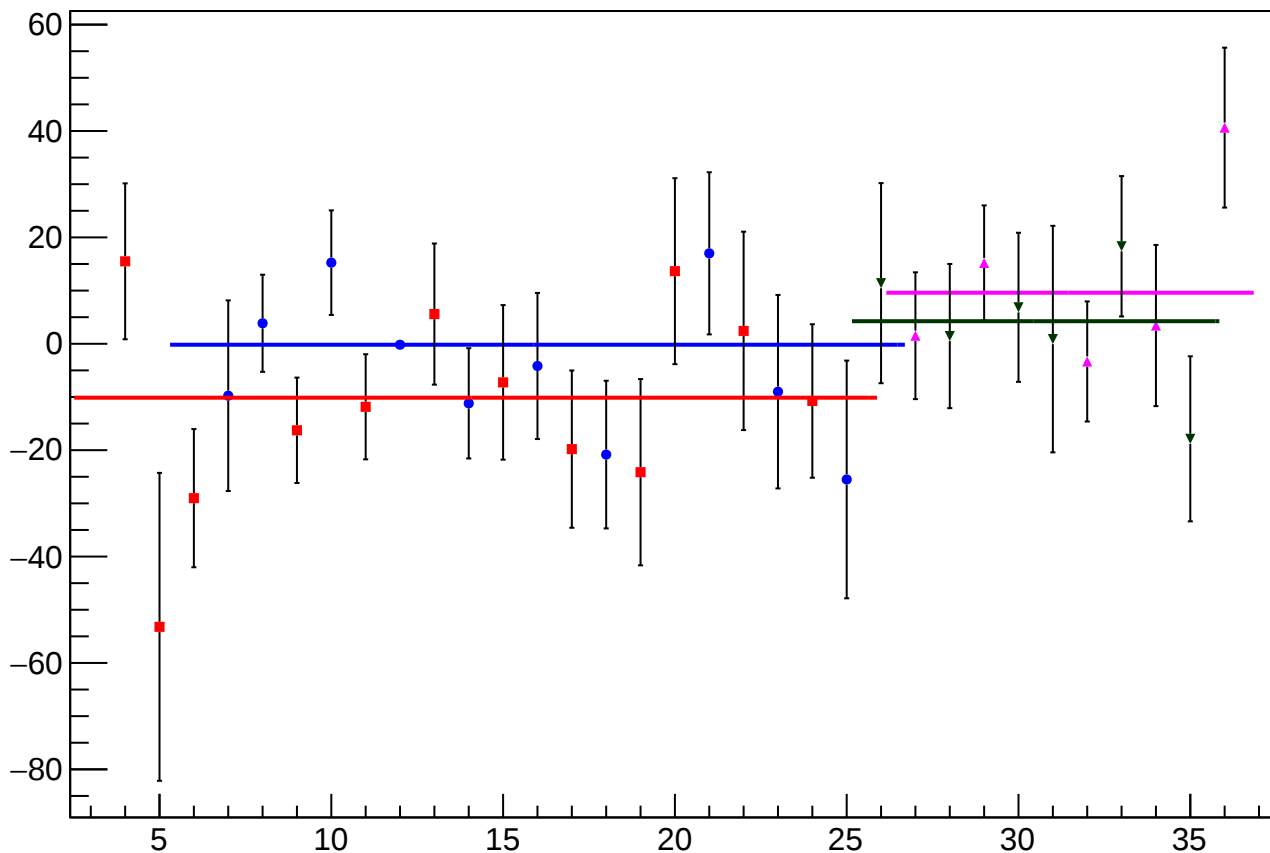
44.848+/-0.037 χ^2 /NDF: 17081800.5/15

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

4127.786+/-1.059 χ^2 /NDF: 4611135.7/16

Left In: 7280.471+/-2.747 χ^2 /NDF:65748.8/4

diff_bpm4ecX_mean vs slug



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

Left Out: 4.242 ± 6.266 χ^2/NDF : 3.4/5

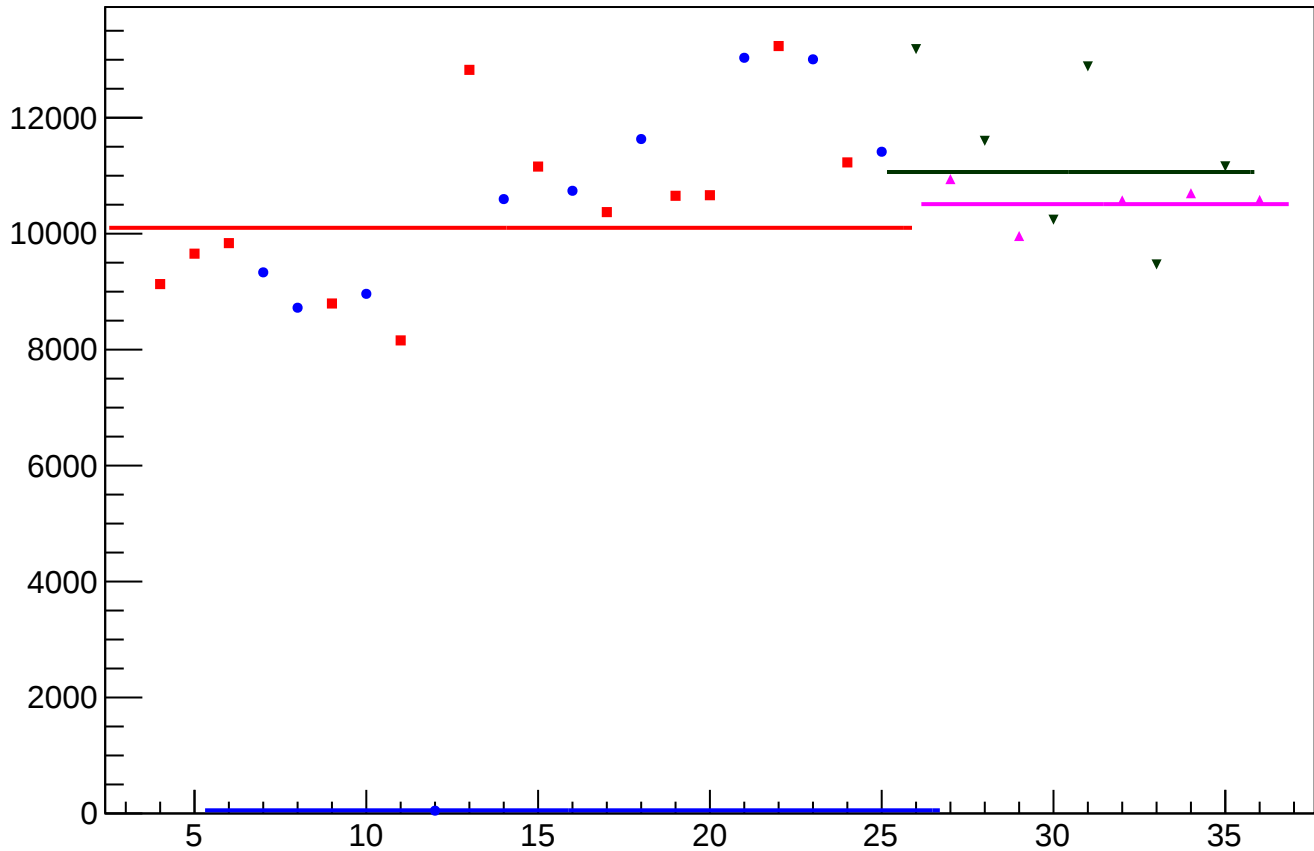
Right Out: -10.134 ± 4.035 χ^2/NDF : 12.6/11

Left In: 9.597 ± 5.572 χ^2/NDF : 6.5/4

-0.176 ± 0.107 χ^2/NDF : 13.1/15

-3.347 ± 3.268 χ^2/NDF : 27.3/16

diff_bpm4ecX_rms vs slug



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

Left Out: 11063.894+/-4.431 χ^2/NDF : 79345.4/5

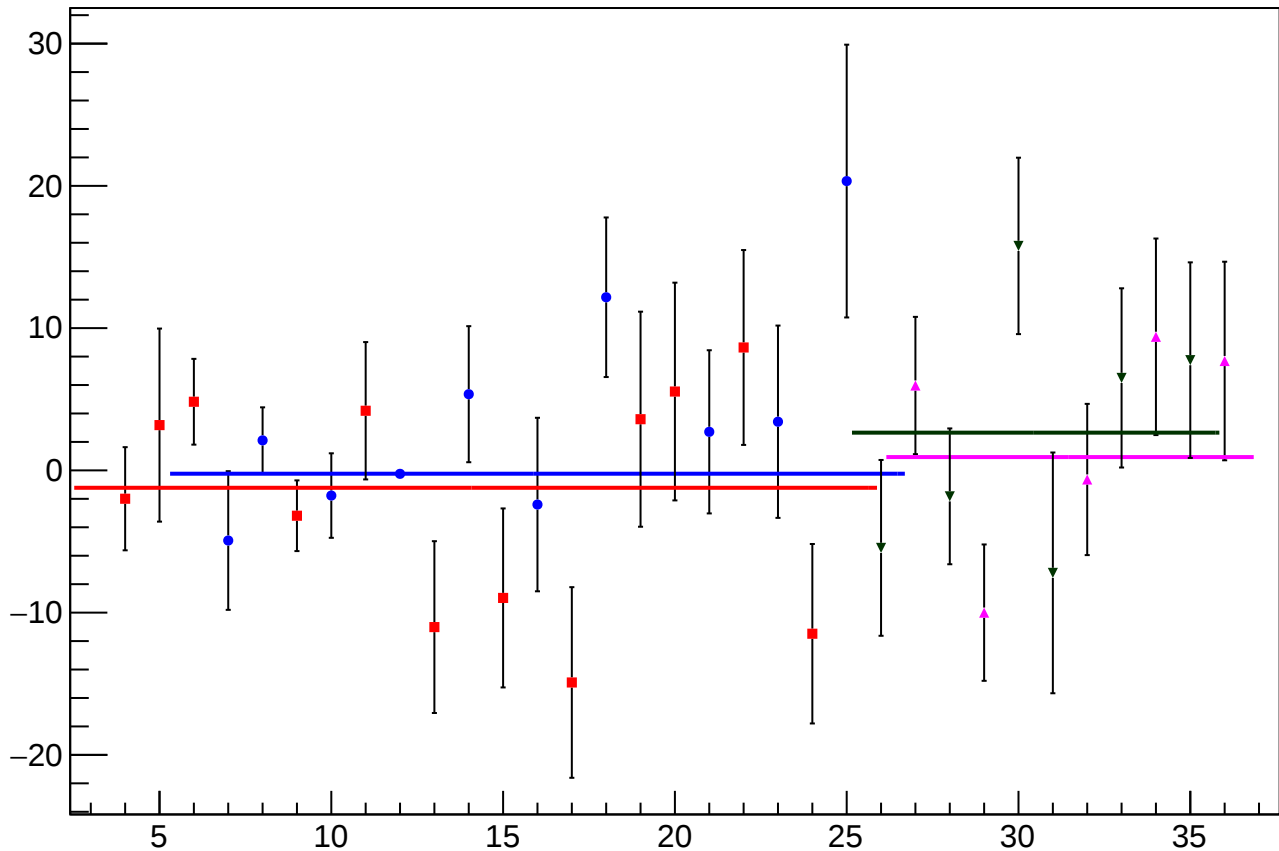
57.538+/-0.075 χ^2/NDF : 17895422.7/15

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

10241.730+/-2.311 χ^2/NDF : 305806.2/16

Left In: 10509.628+/-3.940 χ^2/NDF : 8204.1/4

diff_bpm4ecY_mean vs slug



Right In: -0.234 ± 0.090 $\chi^2/\text{NDF}: 13.8/9$

Left Out: 2.652 ± 2.529 $\chi^2/\text{NDF}: 9.4/5$

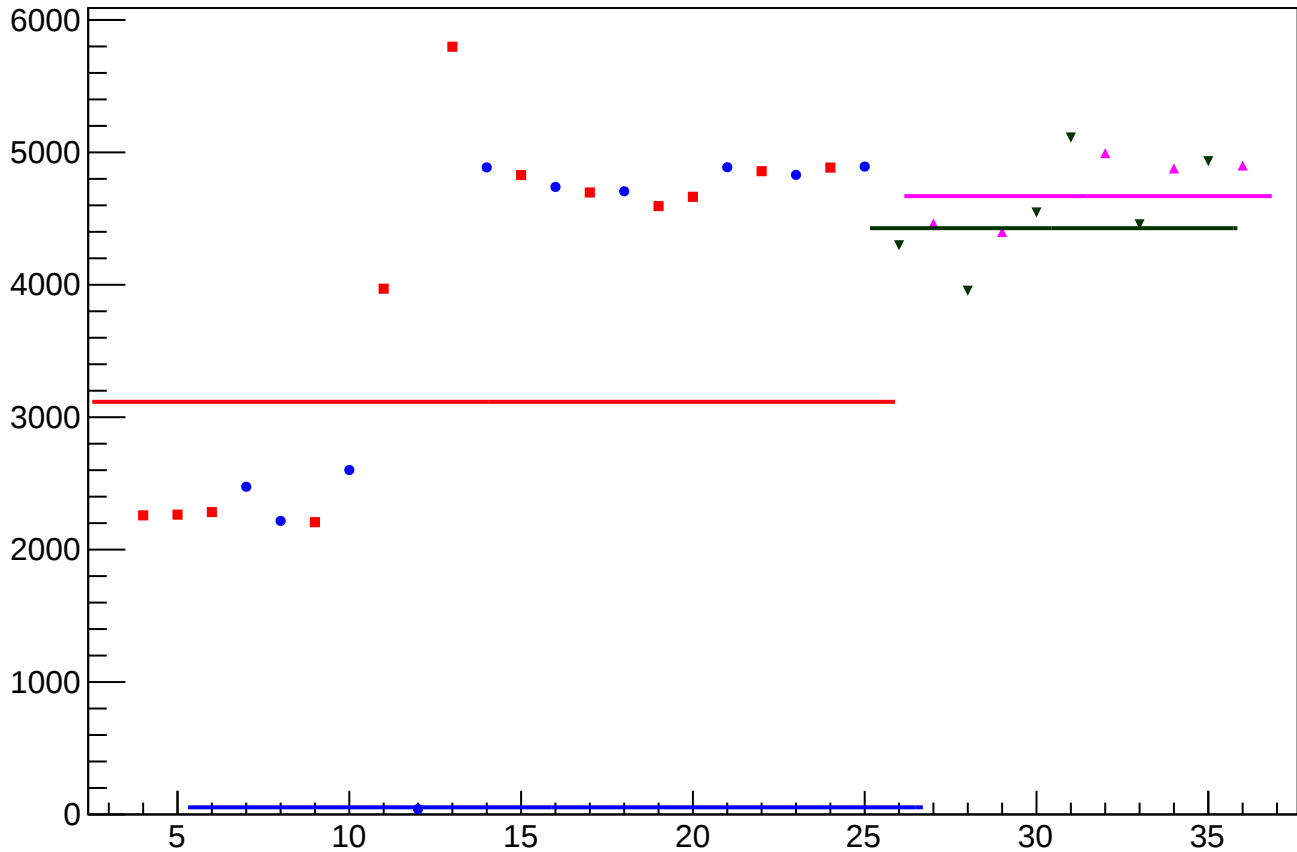
Right Out: -1.223 ± 1.326 $\chi^2/\text{NDF}: 20.6/11$

Left In: 0.935 ± 2.474 $\chi^2/\text{NDF}: 8.8/4$

-0.231 ± 0.090 $\chi^2/\text{NDF}: 24.4/15$

-0.742 ± 1.169 $\chi^2/\text{NDF}: 30.0/16$

diff_bpm4ecY_rms vs slug



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

Left Out: 4427.540+/-1.788 χ^2/NDF : 45140.9/5

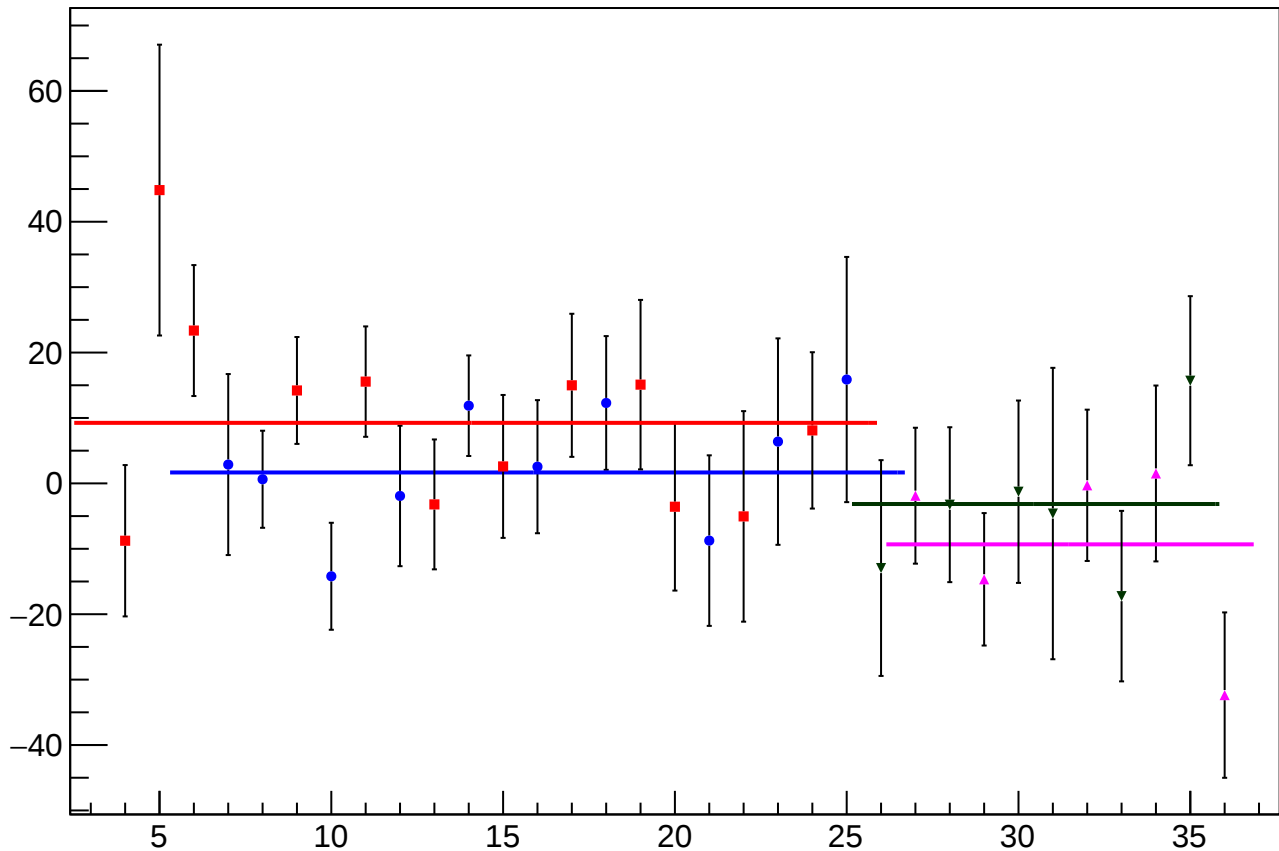
59.337+/-0.064 χ^2/NDF : 17290304.1/15

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

3463.020+/-0.827 χ^2/NDF : 2358712.2/16

Left In: 4669.713+/-1.750 χ^2/NDF : 21500.1/4

diff_bpm1X_mean vs slug



Right In: 1.669 ± 3.229 $\chi^2/\text{NDF}: 8.1/9$

Left Out: -3.153 ± 5.788 $\chi^2/\text{NDF}: 3.7/5$

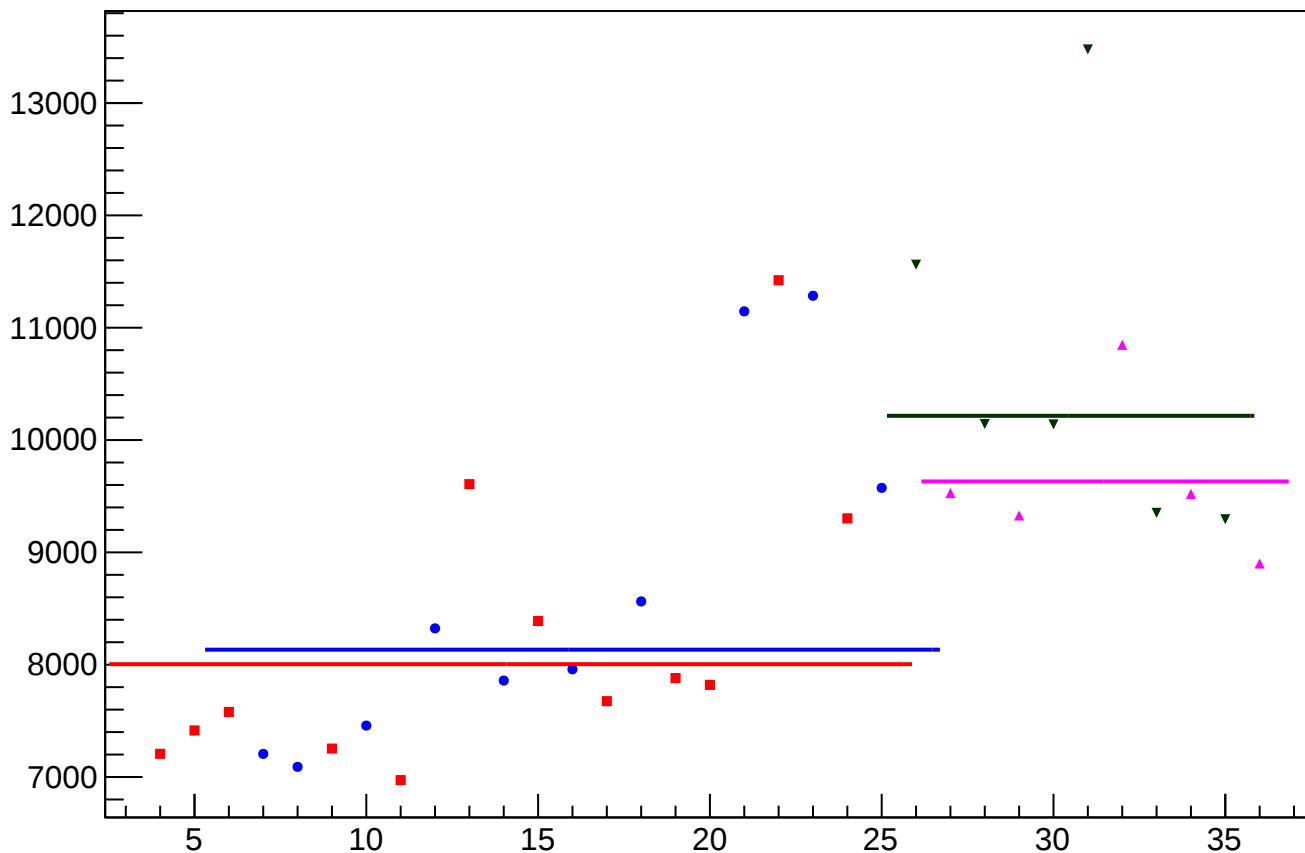
Right Out: 9.254 ± 3.190 $\chi^2/\text{NDF}: 12.1/11$

Left In: -9.321 ± 5.111 $\chi^2/\text{NDF}: 5.4/4$

0.525 ± 2.820 $\chi^2/\text{NDF}: 12.3/15$

4.047 ± 2.706 $\chi^2/\text{NDF}: 27.0/16$

diff_bpm1X_rms vs slug



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

Left Out: 10215.813+/-4.093 χ^2/NDF : 75276.6/5

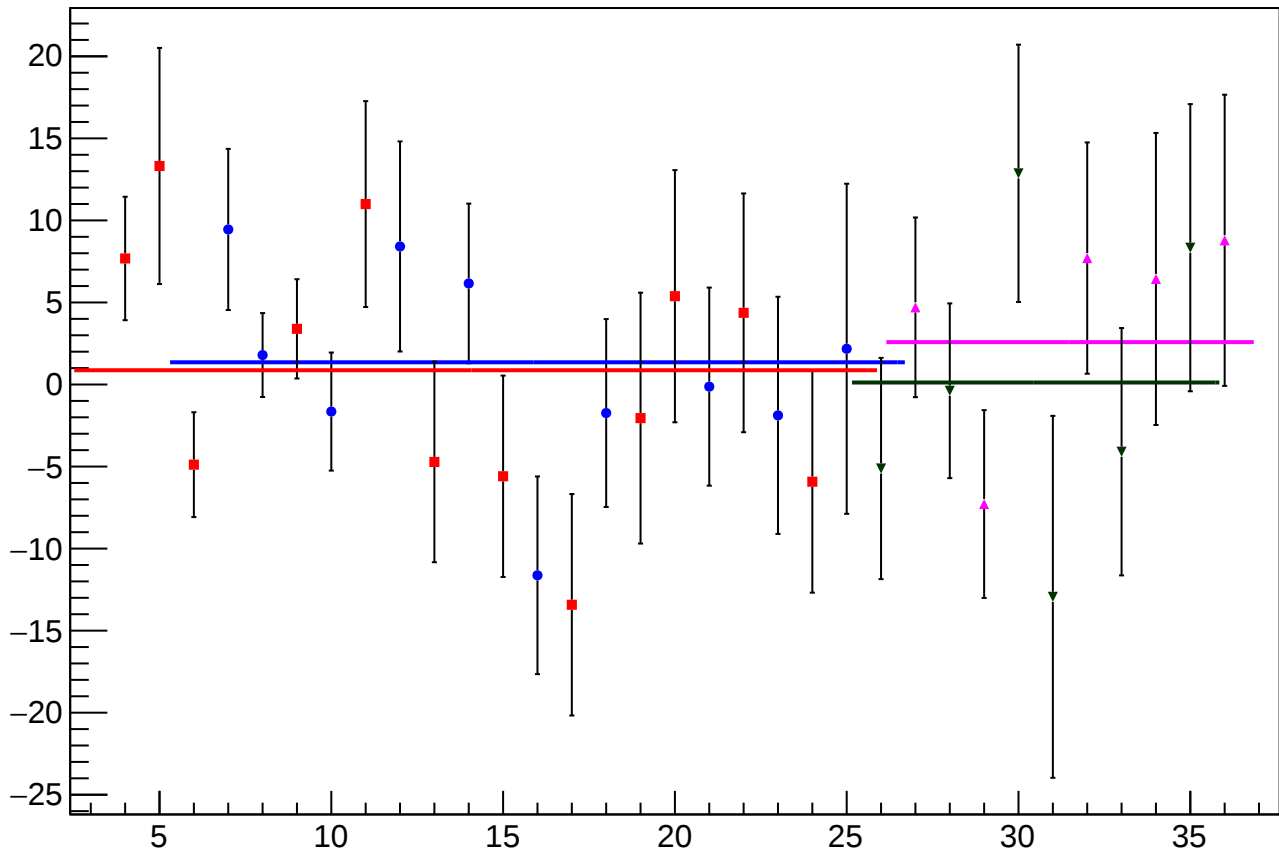
Right Out: 8004.585+/-2.255 χ^2/NDF : 232190.6/11

Left In: 9631.301+/-3.614 χ^2/NDF : 30913.4/4

8627.853+/-1.994 χ^2/NDF : 540408.1/15

8460.610+/-1.913 χ^2/NDF : 408924.0/16

diff_bpm1Y_mean vs slug



Right In: 1.354 ± 1.486 $\chi^2/\text{NDF}: 10.8/9$

Left Out: 0.122 ± 2.982 $\chi^2/\text{NDF}: 5.9/5$

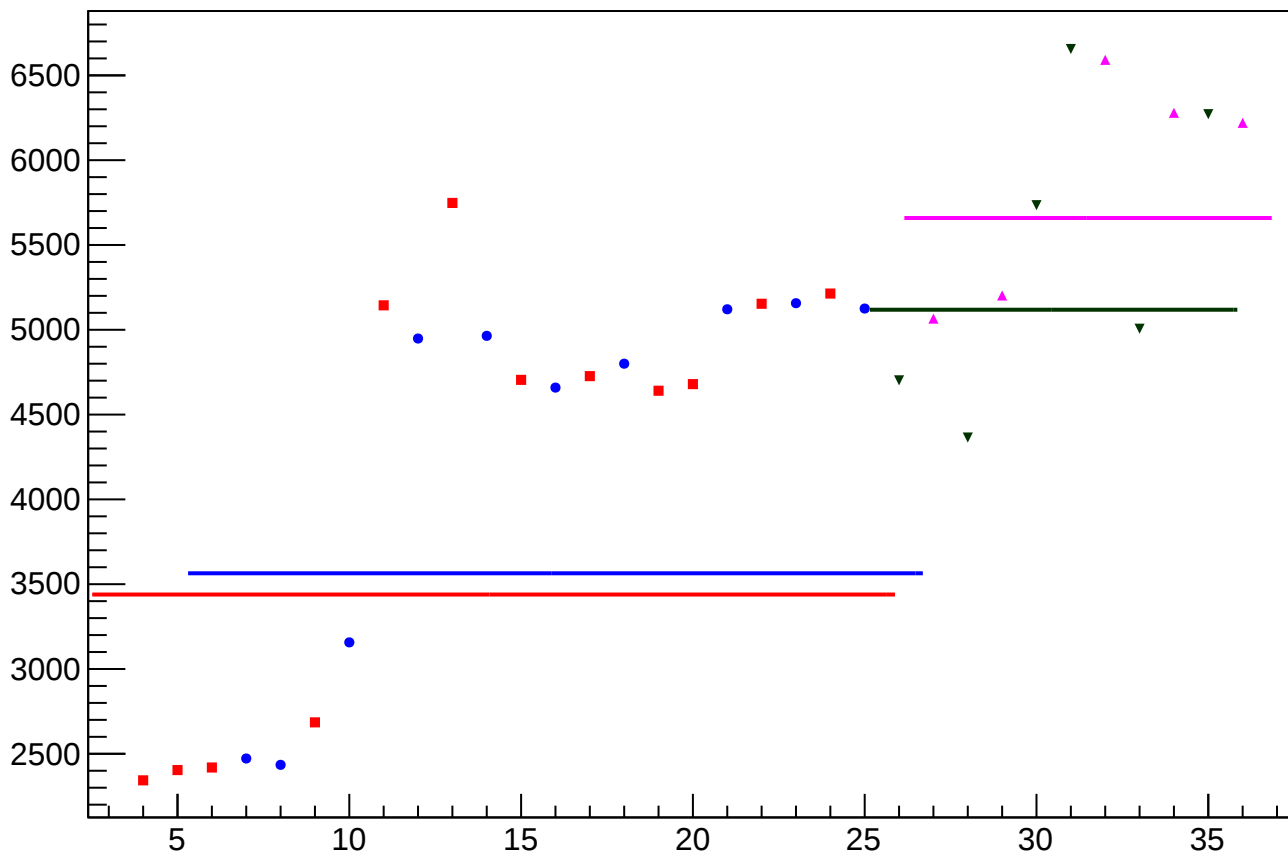
Right Out: 0.868 ± 1.454 $\chi^2/\text{NDF}: 21.0/11$

Left In: 2.583 ± 3.024 $\chi^2/\text{NDF}: 4.3/4$

1.109 ± 1.330 $\chi^2/\text{NDF}: 16.8/15$

1.190 ± 1.311 $\chi^2/\text{NDF}: 25.6/16$

diff_bpm1Y_rms vs slug



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

Left Out: 5118.269+/-2.109 χ^2/NDF :134084.0/5

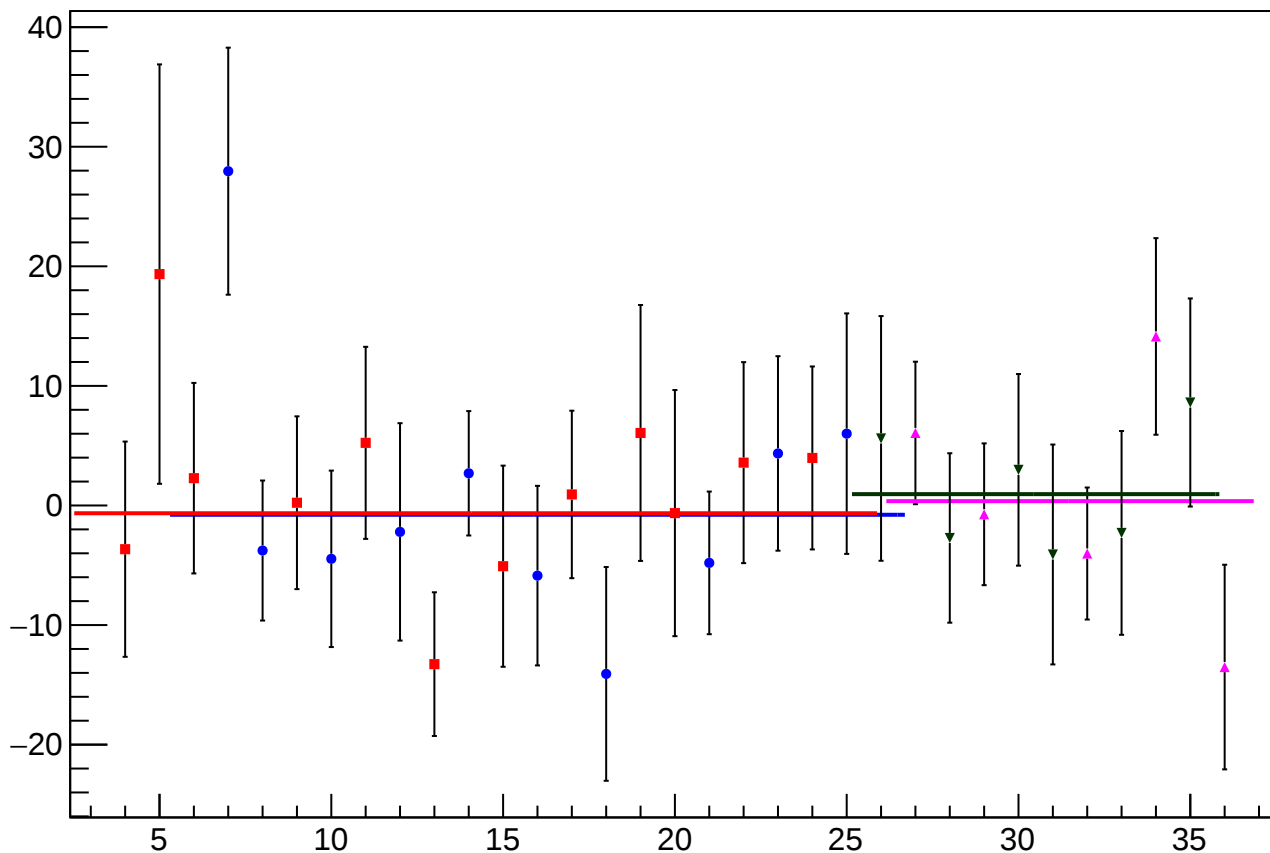
Right Out: 3439.033+/-1.028 χ^2/NDF : 1480366.2/11

Left In: 5659.108+/-2.138 χ^2/NDF :88959.6/4

3873.323+/-0.940 χ^2/NDF : 1780552.7/15

3856.037+/-0.927 χ^2/NDF : 2444647.5/16

diff_bpm11X_mean vs slug



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

Left Out: 0.948 ± 3.453 χ^2/NDF : 1.8/5

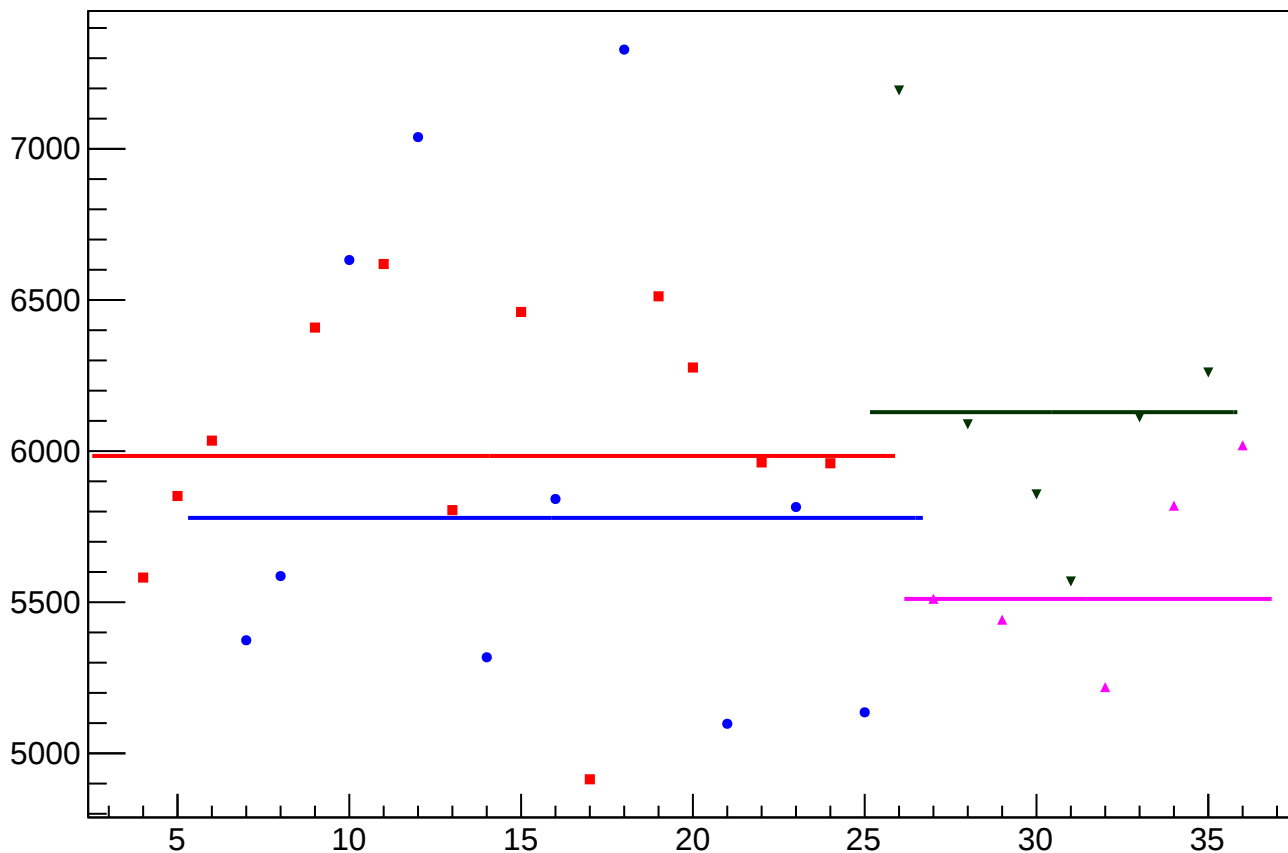
Right Out: -0.650 ± 2.373 χ^2/NDF : 7.8/11

Left In: 0.362 ± 2.912 χ^2/NDF : 7.0/4

-0.248 ± 1.913 χ^2/NDF : 14.6/15

-0.247 ± 1.839 χ^2/NDF : 14.9/16

diff_bpm11X_rms vs slug



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

Left Out: 6128.871+/-2.442 χ^2/NDF : 31903.0/5

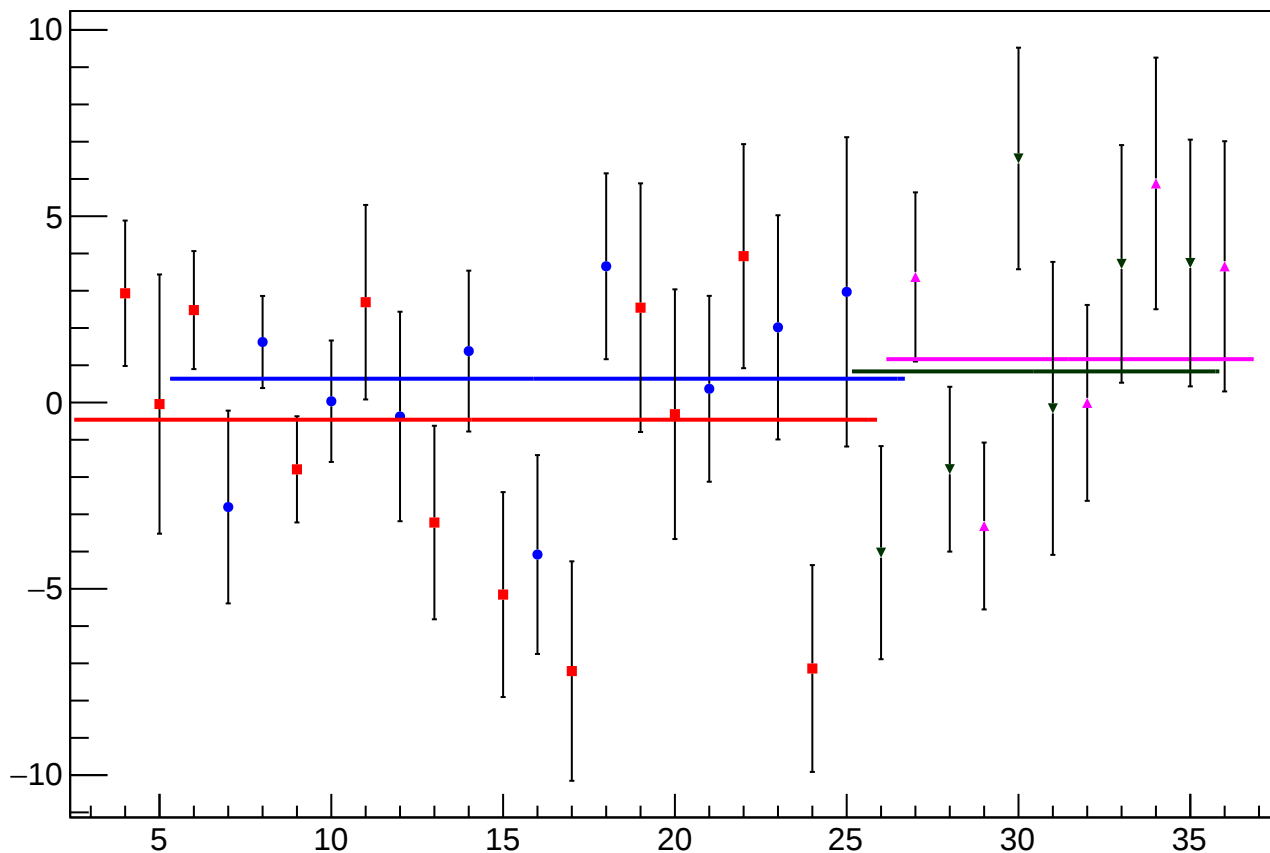
Right Out: 5983.998+/-1.678 χ^2/NDF : 85007.6/11

Left In: 5510.898+/-2.059 χ^2/NDF : 15732.7/4

5886.413+/-1.353 χ^2/NDF : 226807.2/15

5795.265+/-1.301 χ^2/NDF : 132464.4/16

diff_bpm11Y_mean vs slug



Right In: 0.639 ± 0.682 χ^2/NDF : 7.9/9

Left Out: 0.835 ± 1.200 χ^2/NDF : 9.6/5

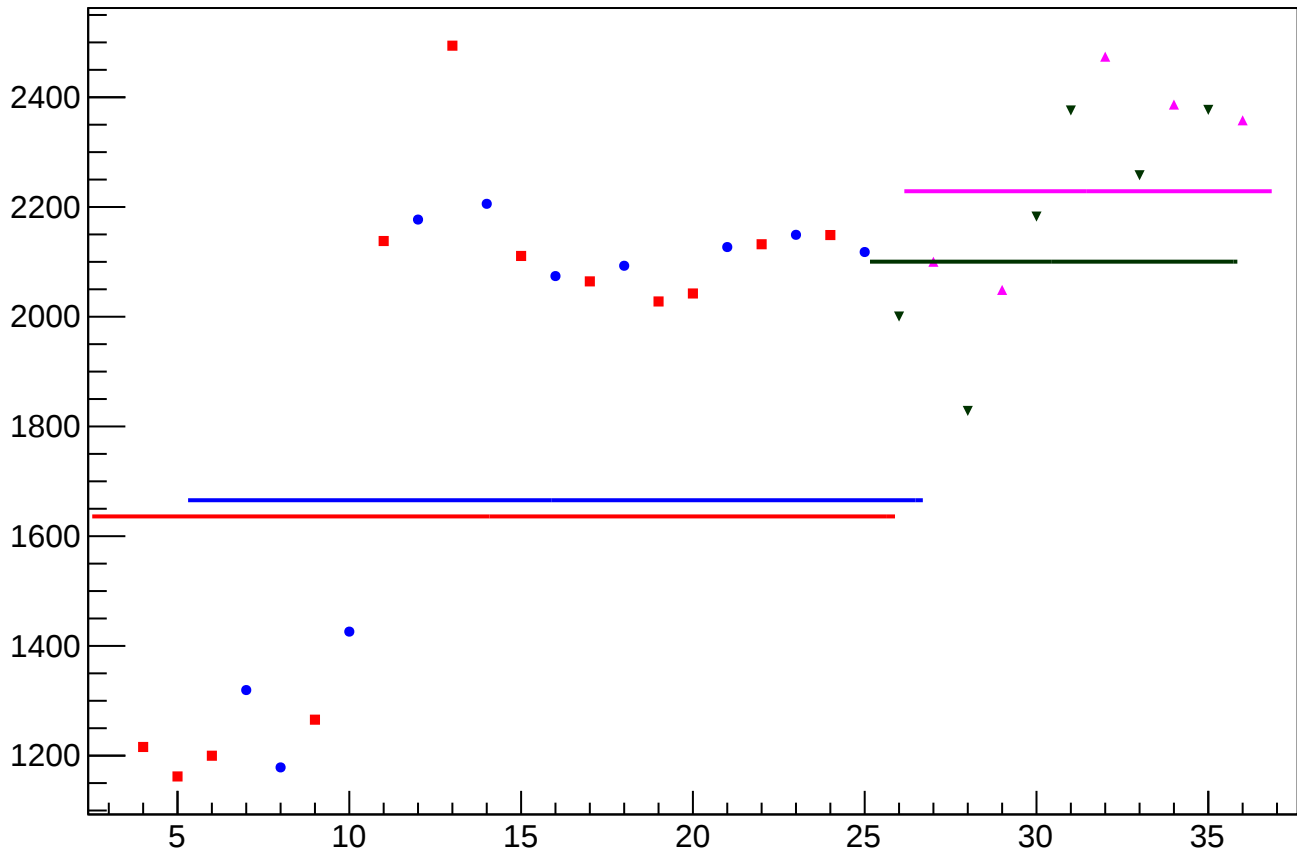
Right Out: -0.461 ± 0.674 χ^2/NDF : 26.8/11

Left In: 1.164 ± 1.183 χ^2/NDF : 7.6/4

0.687 ± 0.593 χ^2/NDF : 17.6/15

-0.063 ± 0.586 χ^2/NDF : 35.9/16

diff_bpm11Y_rms vs slug



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

Left Out: 2100.374+/-0.849 χ^2/NDF : 62903.3/5

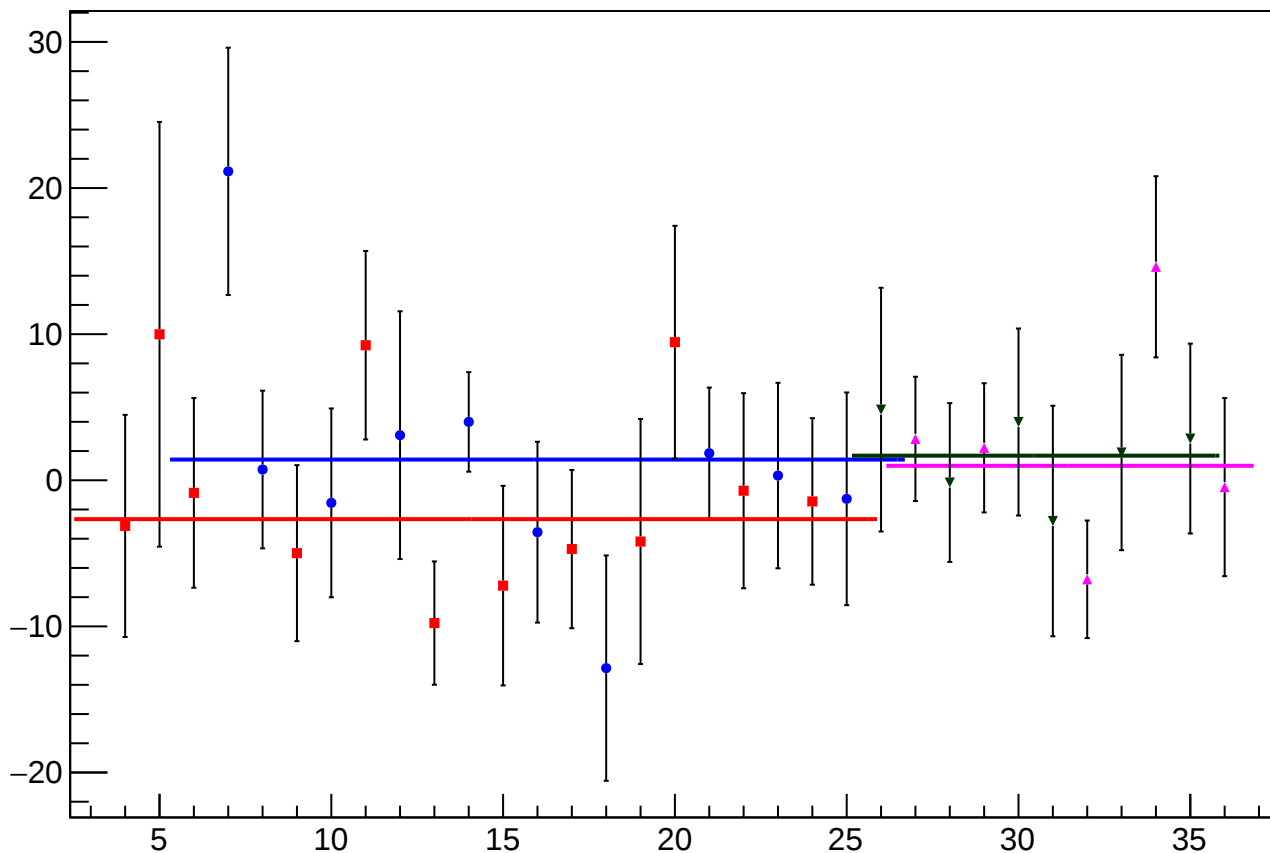
1771.576+/-0.419 χ^2/NDF : 1091724.9/15

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

1781.426+/-0.414 χ^2/NDF : 1413653.3/16

Left In: 2228.727+/-0.836 χ^2/NDF : 44067.4/4

diff_bpm12X_mean vs slug



Right In: 1.418 ± 1.800 $\chi^2/\text{NDF}: 10.5/9$

Left Out: 1.684 ± 2.724 $\chi^2/\text{NDF}: 0.7/5$

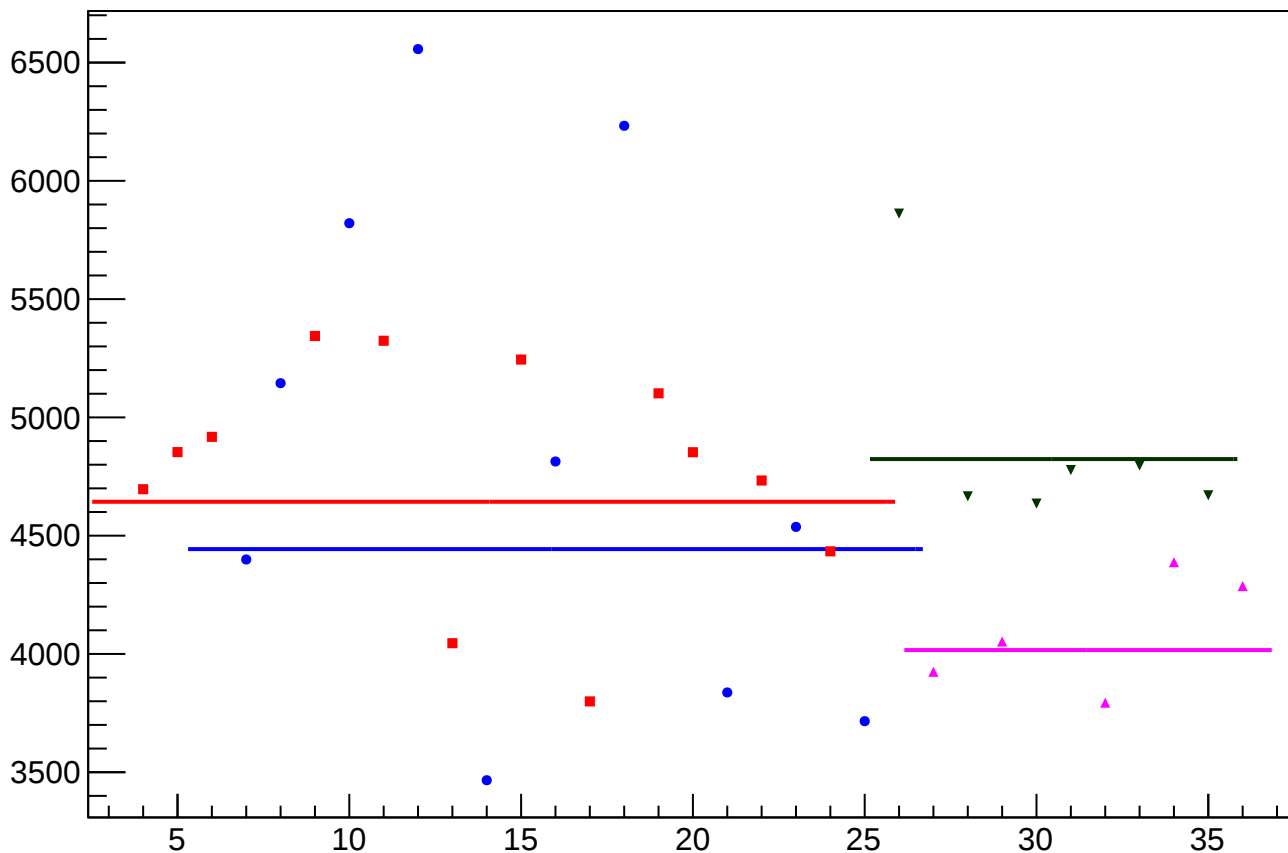
Right Out: -2.661 ± 1.850 $\chi^2/\text{NDF}: 10.3/11$

Left In: 0.990 ± 2.126 $\chi^2/\text{NDF}: 8.9/4$

1.499 ± 1.502 $\chi^2/\text{NDF}: 11.3/15$

-1.088 ± 1.396 $\chi^2/\text{NDF}: 20.9/16$

diff_bpm12X_rms vs slug



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

Left Out: 4823.849+/-1.926 χ^2/NDF : 35587.8/5

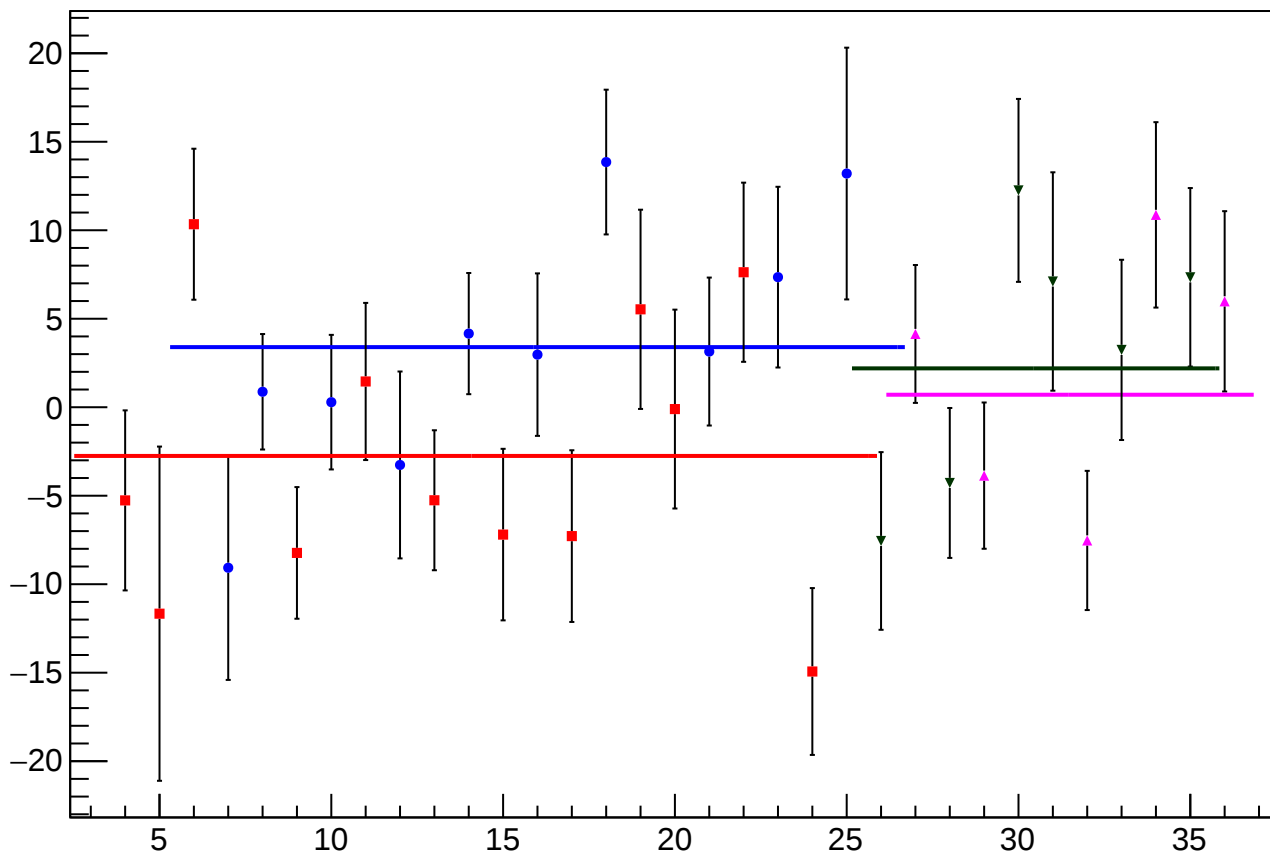
Right Out: 4643.387+/-1.308 χ^2/NDF : 168050.7/11

Left In: 4016.390+/-1.504 χ^2/NDF : 18299.0/4

4558.955+/-1.062 χ^2/NDF : 648136.7/15

4373.281+/-0.987 χ^2/NDF : 285334.6/16

diff_bpm12Y_mean vs slug



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

Left Out: 2.196 ± 2.054 $\chi^2/\text{NDF}: 11.6/5$

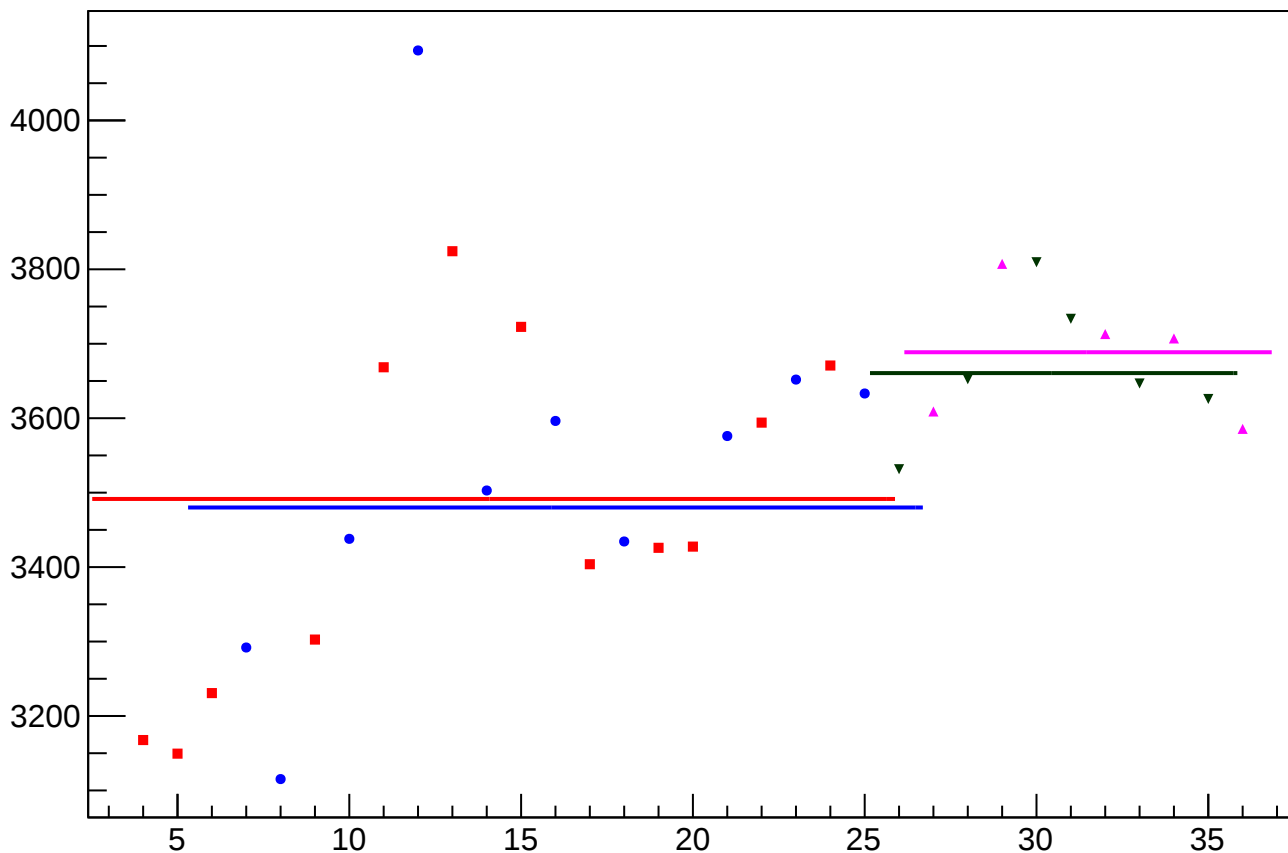
Right Out: -2.752 ± 1.381 $\chi^2/\text{NDF}: 29.0/11$

Left In: 0.706 ± 1.946 $\chi^2/\text{NDF}: 11.2/4$

3.026 ± 1.140 $\chi^2/\text{NDF}: 27.7/15$

-1.593 ± 1.126 $\chi^2/\text{NDF}: 42.3/16$

diff_bpm12Y_rms vs slug



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

Left Out: 3660.603+/-1.452 χ^2/NDF : 3380.5/5

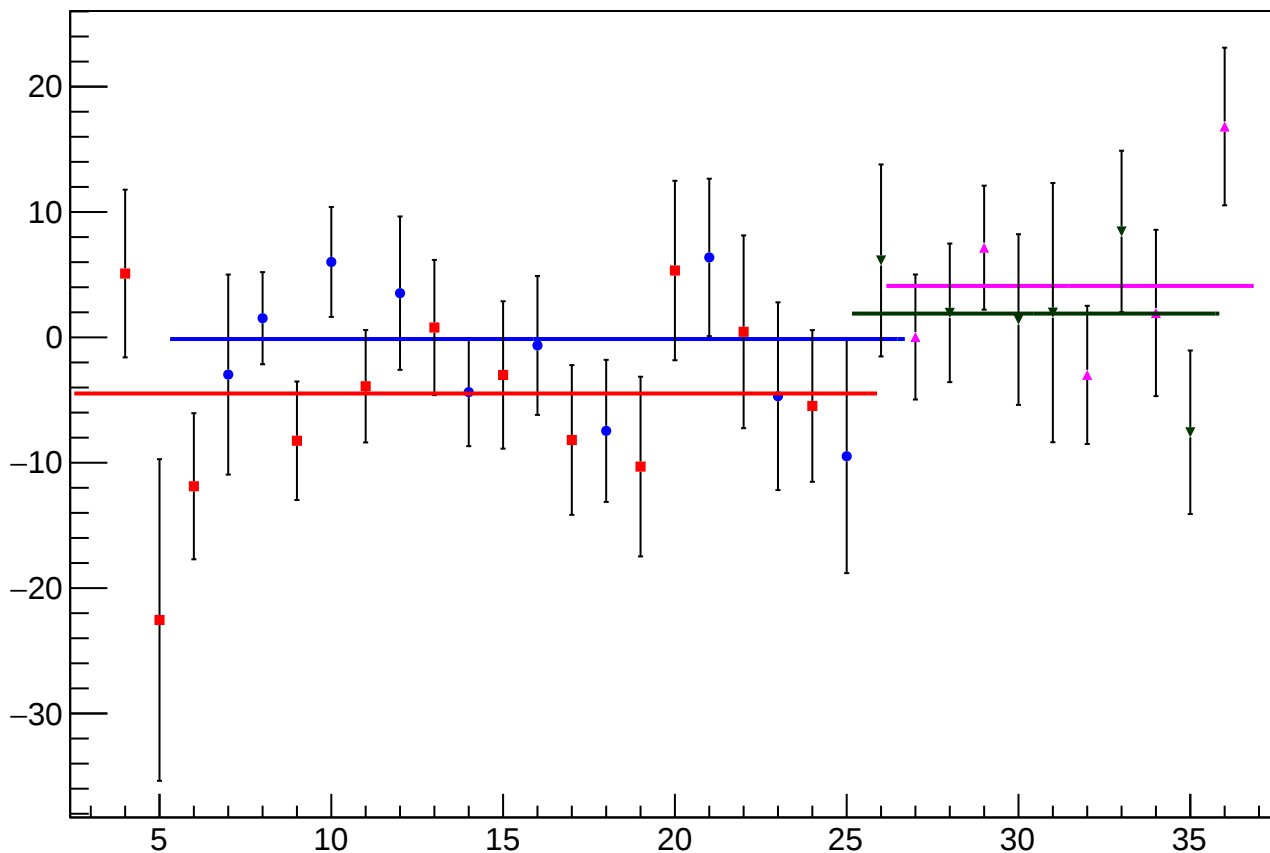
Right Out: 3491.537+/-0.977 χ^2/NDF : 50144.5/11

Left In: 3688.615+/-1.376 χ^2/NDF : 3404.3/4

3535.723+/-0.806 χ^2/NDF : 73983.7/15

3557.569+/-0.796 χ^2/NDF : 67189.6/16

diff_bpm16X_mean vs slug



Right In: -0.131 ± 1.713 χ^2/NDF : 7.7/9

Left Out: 1.898 ± 2.792 χ^2/NDF : 3.5/5

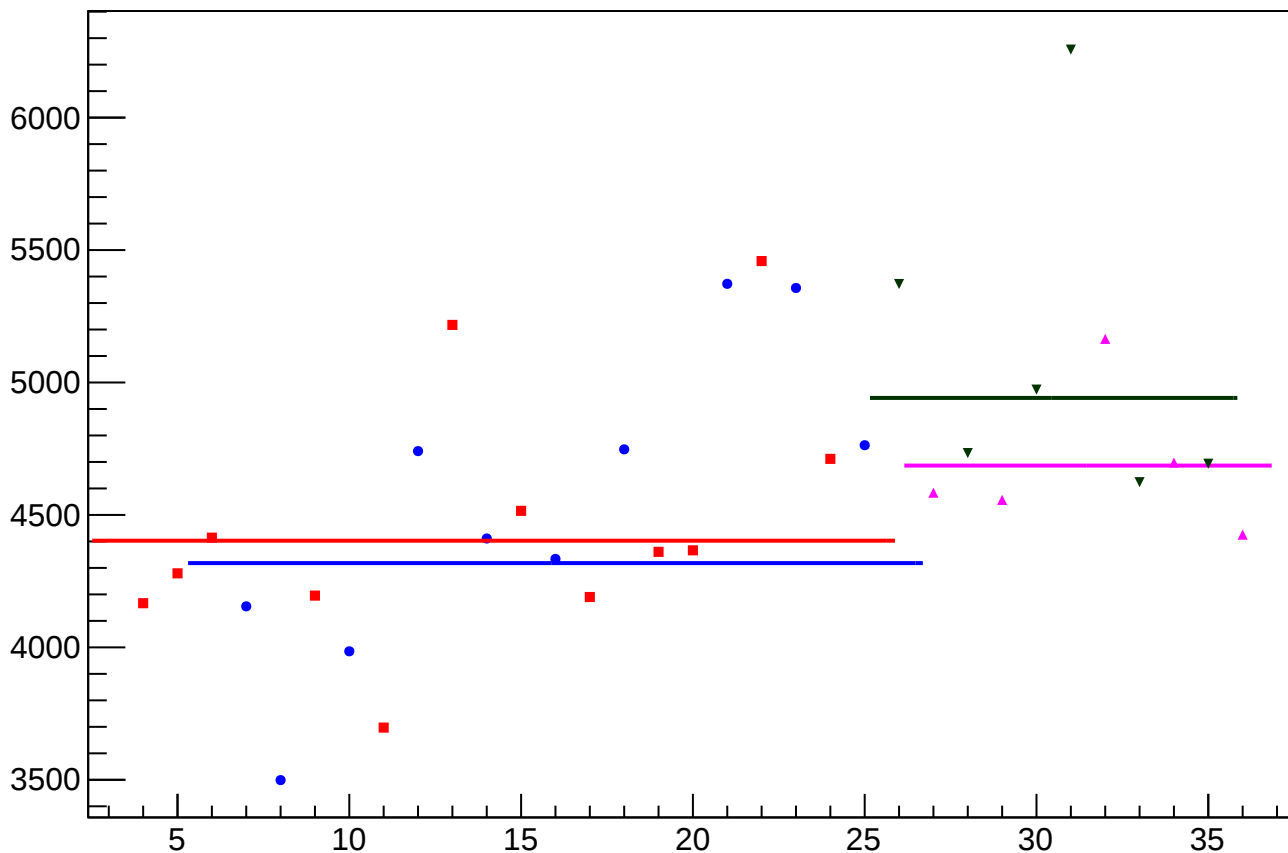
Right Out: -4.476 ± 1.749 χ^2/NDF : 10.7/11

Left In: 4.103 ± 2.484 χ^2/NDF : 6.9/4

0.424 ± 1.460 χ^2/NDF : 11.6/15

-1.633 ± 1.430 χ^2/NDF : 25.6/16

diff_bpm16X_rms vs slug



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

Left Out: 4941.772+/-1.974 χ^2/NDF : 49313.7/5

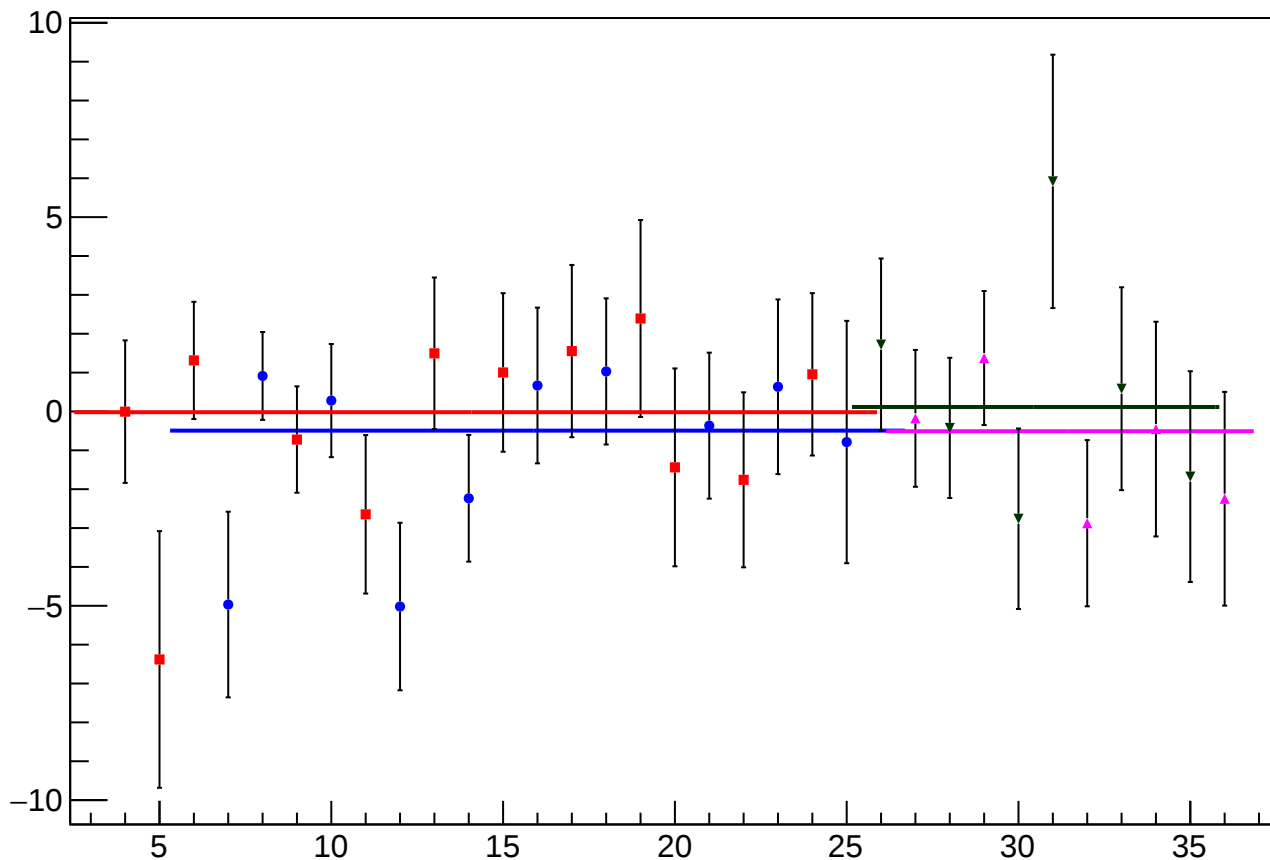
Right Out: 4402.778+/-1.237 χ^2/NDF : 148052.0/11

Left In: 4686.346+/-1.757 χ^2/NDF : 20721.4/4

4488.800+/-1.033 χ^2/NDF : 354932.2/15

4496.737+/-1.011 χ^2/NDF : 186198.0/16

diff_bpm16Y_mean vs slug



Right In: -0.493 ± 0.565 $\chi^2/\text{NDF}: 12.1/9$

Left Out: 0.115 ± 0.965 $\chi^2/\text{NDF}: 5.8/5$

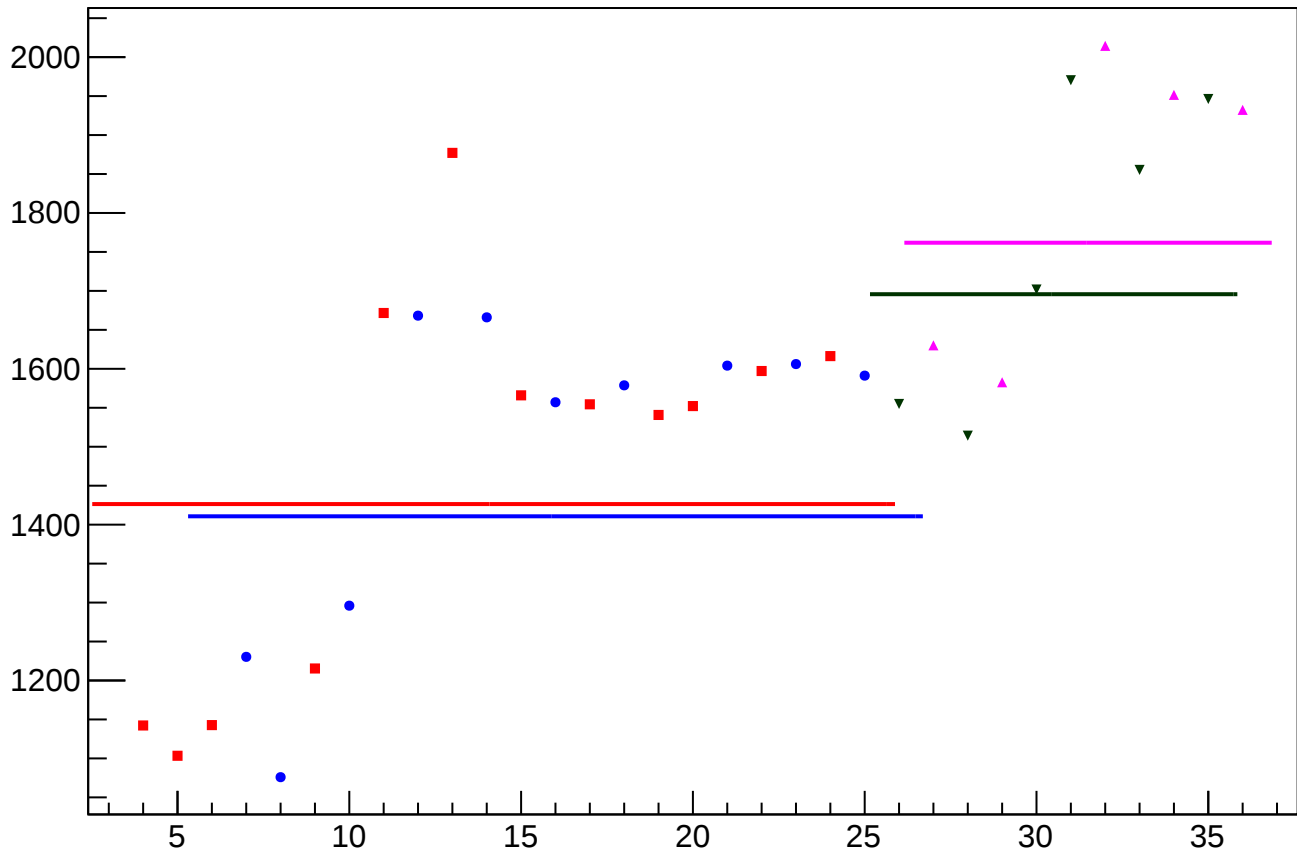
Right Out: -0.019 ± 0.573 $\chi^2/\text{NDF}: 9.8/11$

Left In: -0.509 ± 0.936 $\chi^2/\text{NDF}: 2.9/4$

-0.338 ± 0.487 $\chi^2/\text{NDF}: 18.2/15$

-0.153 ± 0.489 $\chi^2/\text{NDF}: 12.9/16$

diff_bpm16Y_rms vs slug



Right In: 1410.712 $\pm$ 0.399 χ^2 /NDF: 346456.4/9

Left Out: 1695.743 $\pm$ 0.682 χ^2 /NDF: 67087.8/5

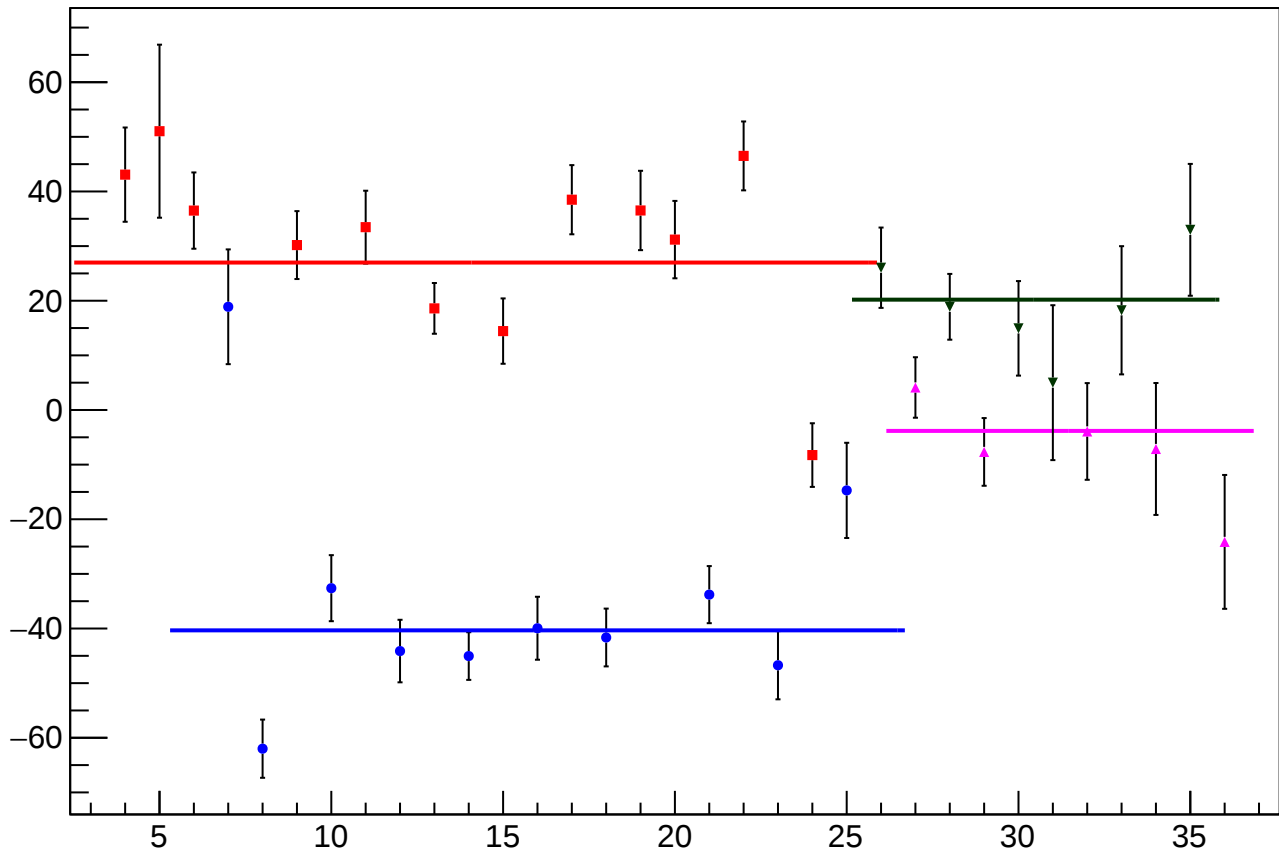
1483.378 $\pm$ 0.345 χ^2 /NDF: 543497.7/15

Right Out: 1426.417 $\pm$ 0.405 χ^2 /NDF: 374185.0/11

1517.805 $\pm$ 0.346 χ^2 /NDF: 638759.2/16

Left In: 1761.817 $\pm$ 0.662 χ^2 /NDF: 77820.6/4

diff_bpm0l01X_mean vs slug



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

Left Out: 20.197 ± 3.568 χ^2/NDF : 3.3/5

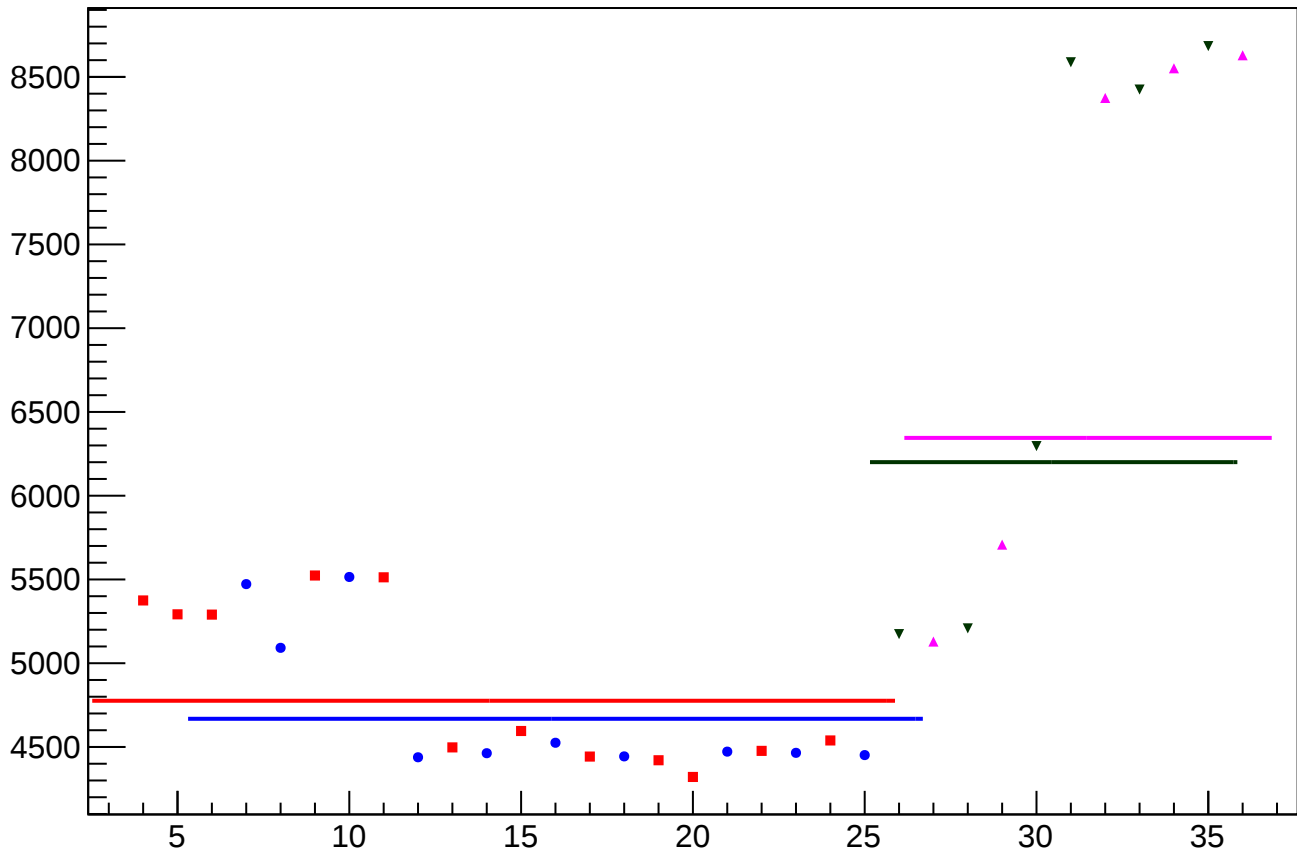
Right Out: 26.988 ± 1.893 χ^2/NDF : 68.1/11

Left In: -3.829 ± 3.431 χ^2/NDF : 5.3/4

-27.644 ± 1.634 χ^2/NDF : 293.7/15

19.795 ± 1.657 χ^2/NDF : 135.2/16

diff_bpm0l01X_rms vs slug



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

Left Out: 6200.386+/-2.523 χ^2/NDF :306846.9/5

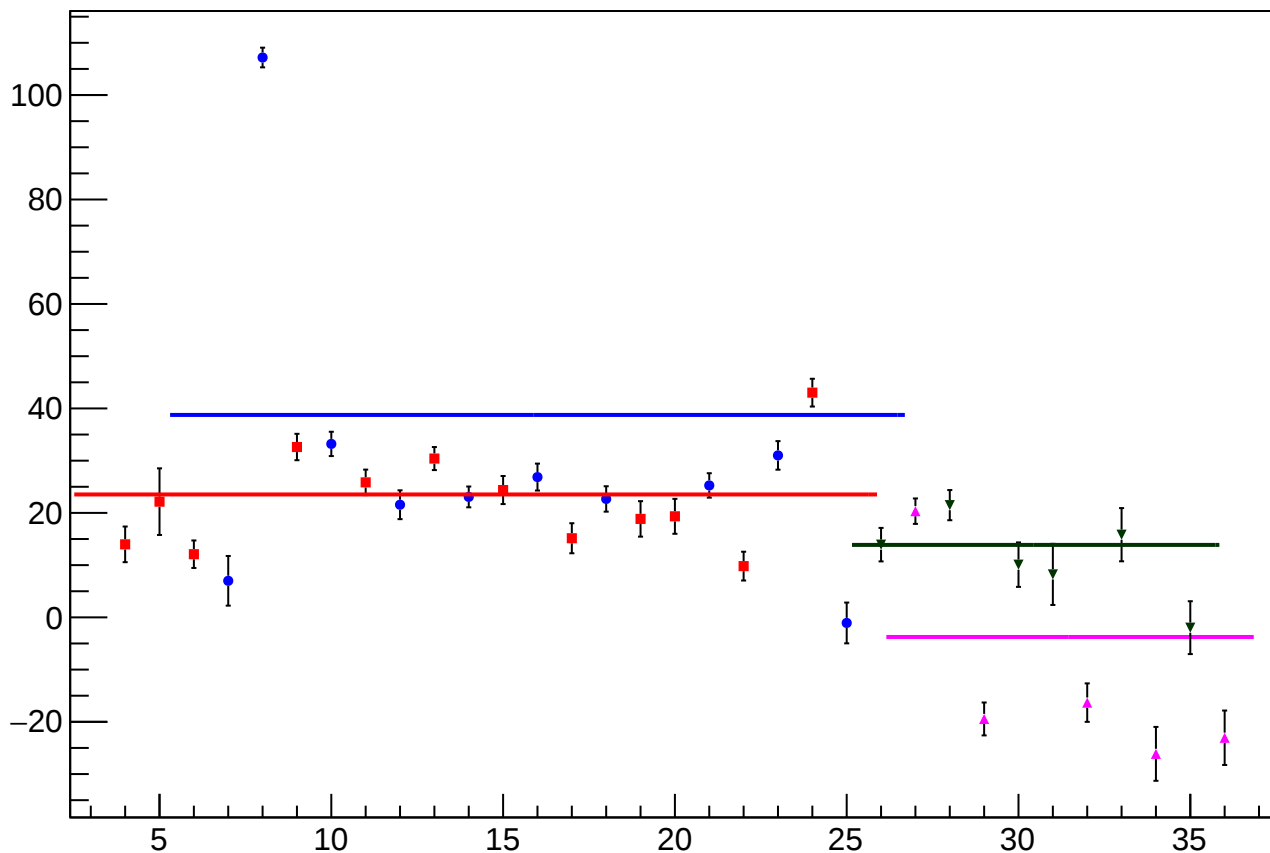
4989.526+/-1.155 χ^2/NDF : 680550.2/15

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

5142.162+/-1.172 χ^2/NDF : 791211.2/16

Left In: 6345.139+/-2.426 χ^2/NDF :359079.2/4

diff_bpm0l01Y_mean vs slug



Right In: 38.757 $\pm$ 0.792 χ^2 /NDF: 1680.6/9

Left Out: 13.871 $\pm$ 1.624 χ^2 /NDF:18.6/5

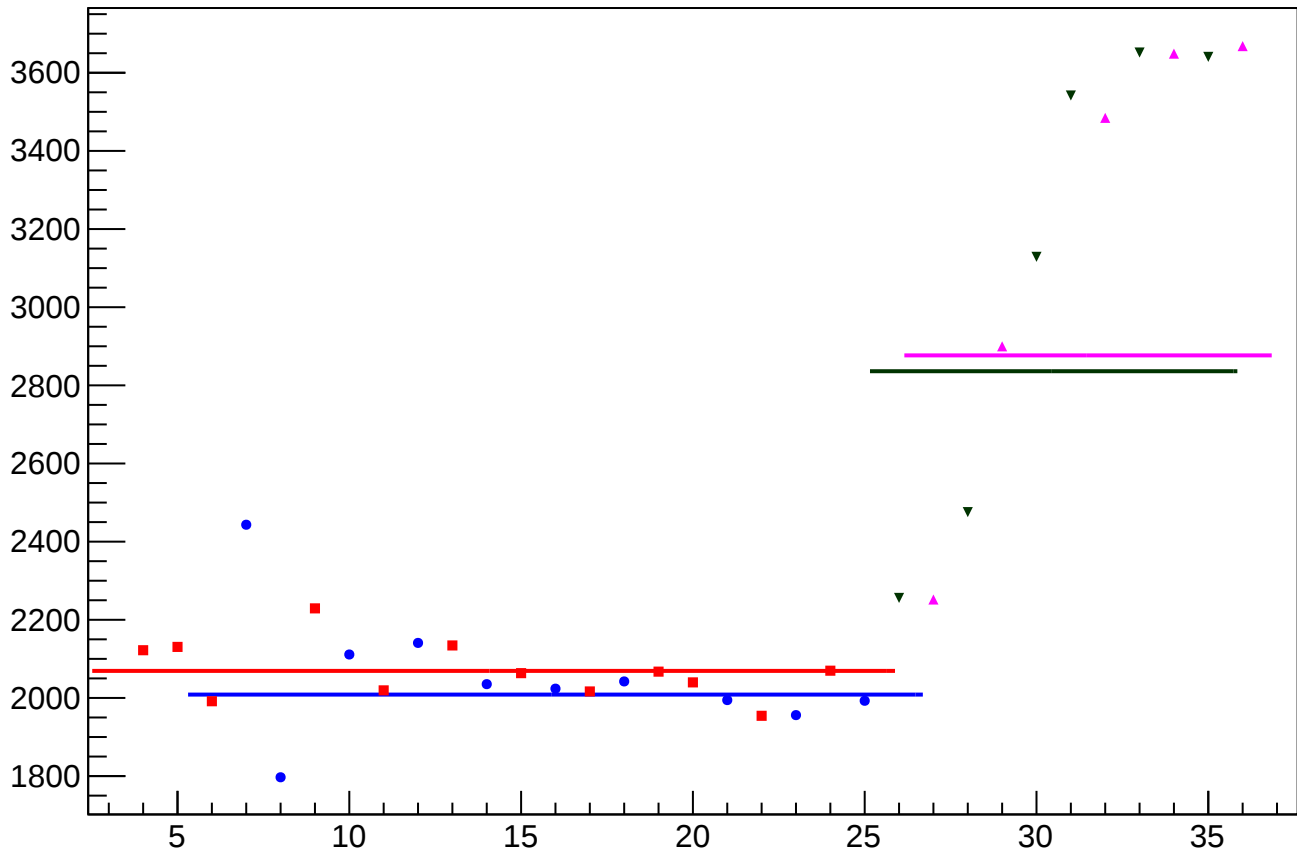
Right Out: 23.530 $\pm$ 0.818 χ^2 /NDF: 140.9/11

Left In: -3.755 $\pm$ 1.548 χ^2 /NDF:166.8/4

33.981 $\pm$ 0.712 χ^2 /NDF: 1888.9/15

17.566 $\pm$ 0.724 χ^2 /NDF: 550.6/16

diff_bpm0l01Y_rms vs slug



Right In: 2008.589+/-0.560 χ^2/NDF : 52078.5/9

Left Out: 2836.164+/-1.149 χ^2/NDF : 236992.7/5

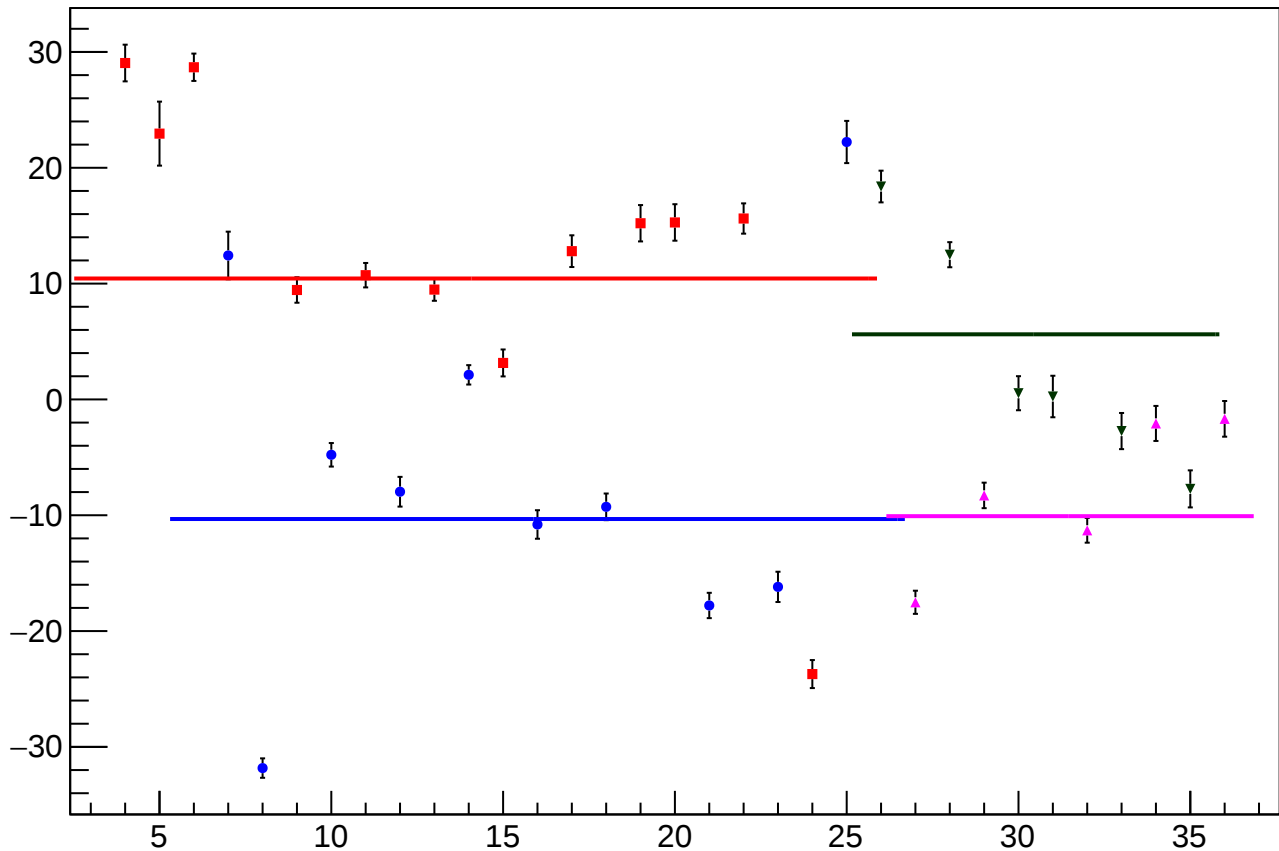
Right Out: 2069.229+/-0.579 χ^2/NDF : 17317.7/11

Left In: 2876.698+/-1.094 χ^2/NDF : 277200.4/4

2167.427+/-0.503 χ^2/NDF : 708618.5/15

2245.722+/-0.512 χ^2/NDF : 720004.6/16

diff_bpm2i01X_mean vs slug



Right In: -10.326 ± 0.358 $\chi^2/\text{NDF}: 1420.3/9$

Left Out: 5.622 ± 0.581 $\chi^2/\text{NDF}: 246.3/5$

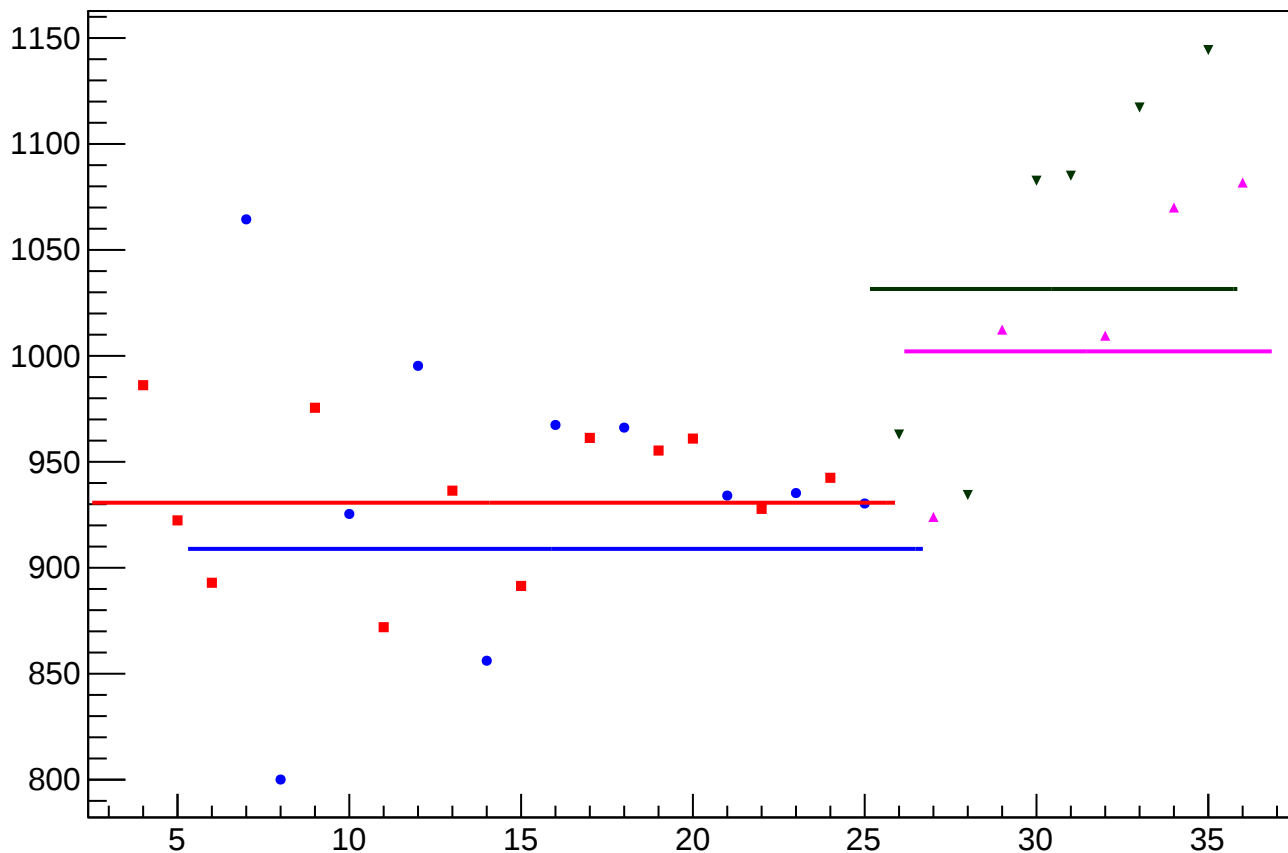
Right Out: 10.440 ± 0.368 $\chi^2/\text{NDF}: 1273.2/11$

Left In: -10.080 ± 0.530 $\chi^2/\text{NDF}: 117.1/4$

-5.937 ± 0.305 $\chi^2/\text{NDF}: 2212.3/15$

3.768 ± 0.302 $\chi^2/\text{NDF}: 2402.4/16$

diff_bpm2i01X_rms vs slug



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

Left Out: 1031.566+/-0.411 χ^2/NDF : 41289.5/5

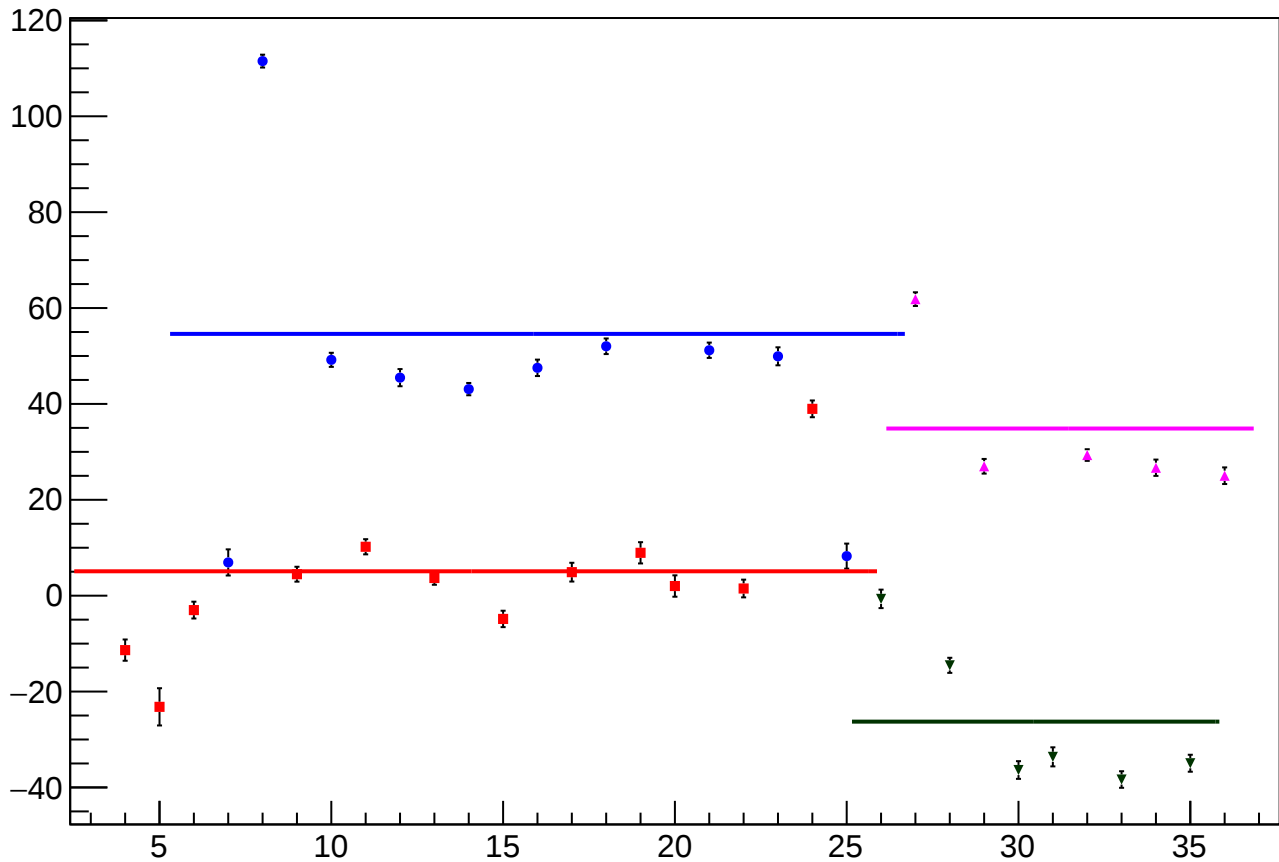
Right Out: 930.706+/-0.260 χ^2/NDF : 18818.7/11

Left In: 1002.123+/-0.375 χ^2/NDF : 21872.4/4

942.673+/-0.216 χ^2/NDF : 180070.5/15

953.928+/-0.214 χ^2/NDF : 65209.4/16

diff_bpm2i01Y_mean vs slug



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

Left Out: -26.272 $\pm$ 0.731 χ^2 /NDF:348.6/5

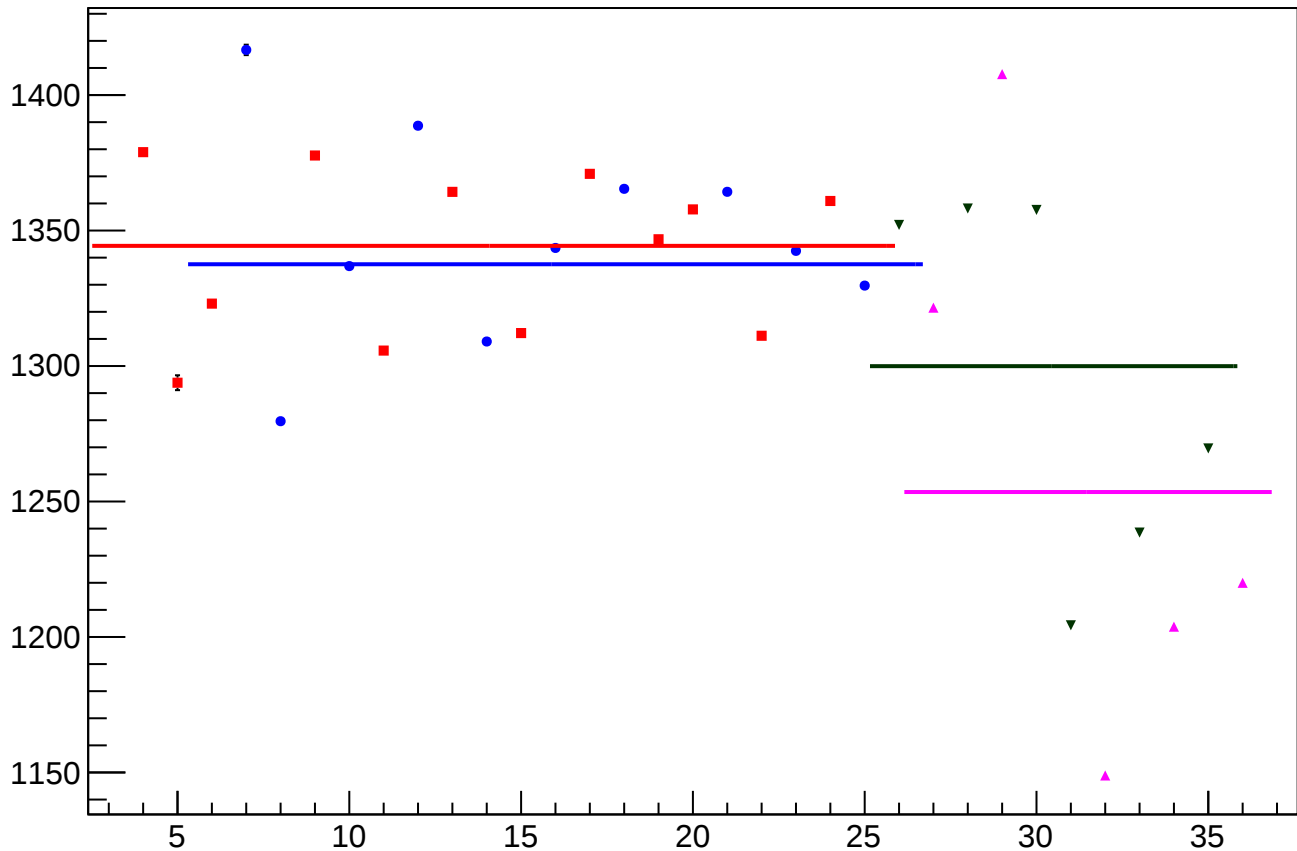
Right Out: 5.087 $\pm$ 0.532 χ^2 /NDF: 559.1/11

Left In: 34.867 $\pm$ 0.663 χ^2 /NDF:459.2/4

26.986 $\pm$ 0.427 χ^2 /NDF: 10987.5/15

16.737 $\pm$ 0.415 χ^2 /NDF: 2245.6/16

diff_bpm2i01Y_rms vs slug



Right In: 1337.560+/-0.372 χ^2/NDF : 9226.5/9

Left Out: 1299.948+/-0.517 χ^2/NDF : 13887.2/5

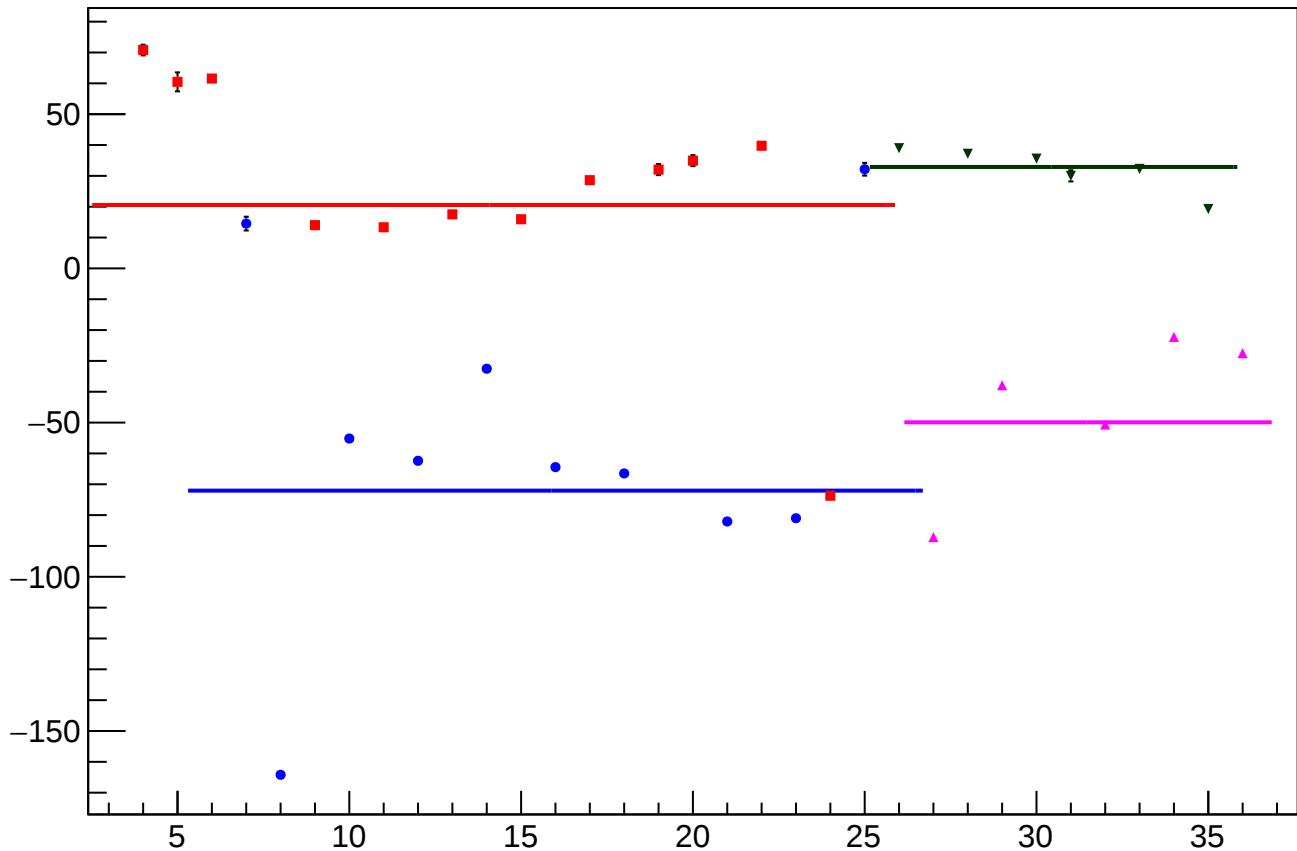
Right Out: 1344.349+/-0.376 χ^2/NDF : 5607.5/11

Left In: 1253.500+/-0.469 χ^2/NDF : 42167.8/4

1324.715+/-0.302 χ^2/NDF : 26603.9/15

1308.809+/-0.293 χ^2/NDF : 70618.9/16

diff_bpm2i02X_mean vs slug



Right In: -72.062 ± 0.408 χ^2/NDF : 15030.6/9

Left Out: 32.887 ± 0.624 χ^2/NDF : 104.9/5

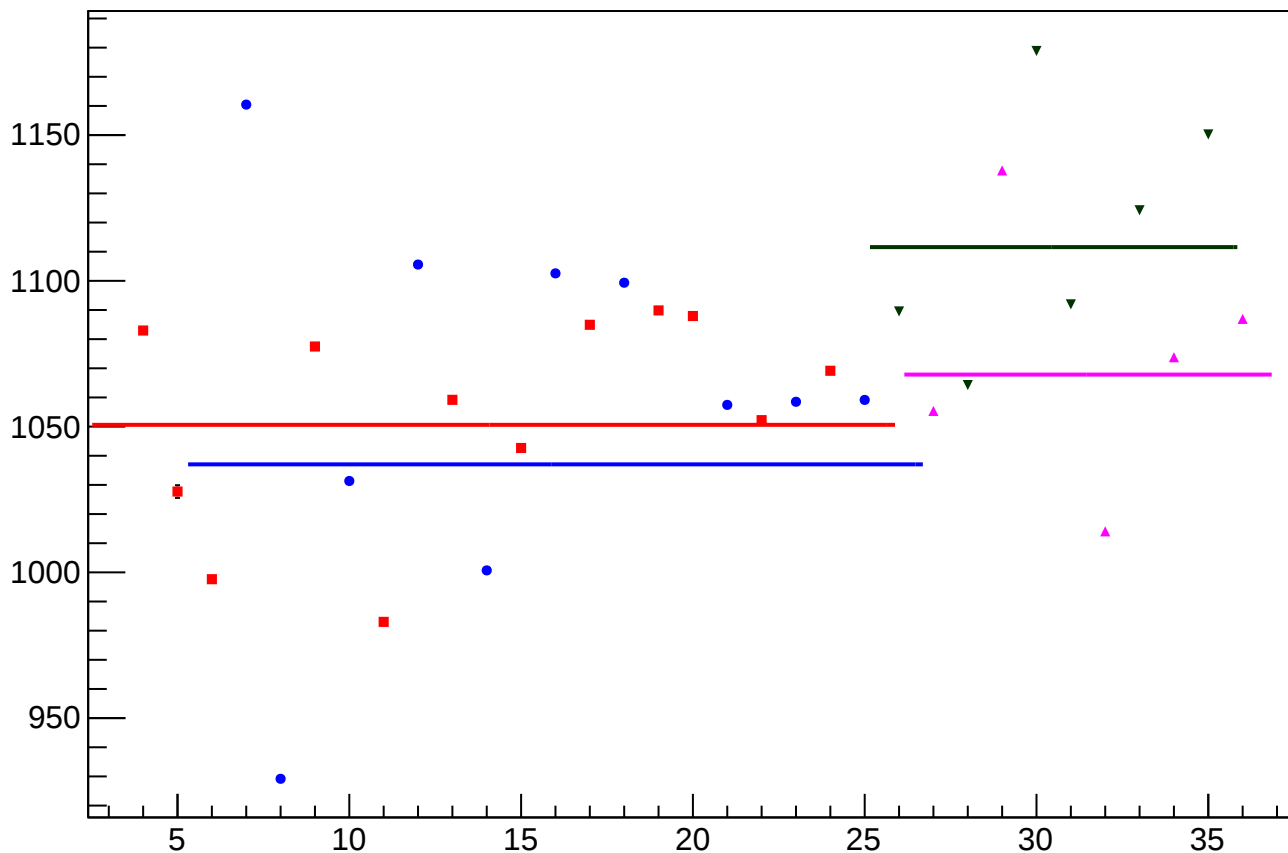
-40.652 ± 0.342 χ^2/NDF : 34933.0/15

Right Out: 20.554 ± 0.415 χ^2/NDF : 7076.4/11

-4.198 ± 0.334 χ^2/NDF : 18902.1/16

Left In: -49.906 ± 0.564 χ^2/NDF : 1702.0/4

diff_bpm2i02X_rms vs slug



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

Left Out: 1111.570 $\pm$ 0.441 χ^2 /NDF:8414.1/5

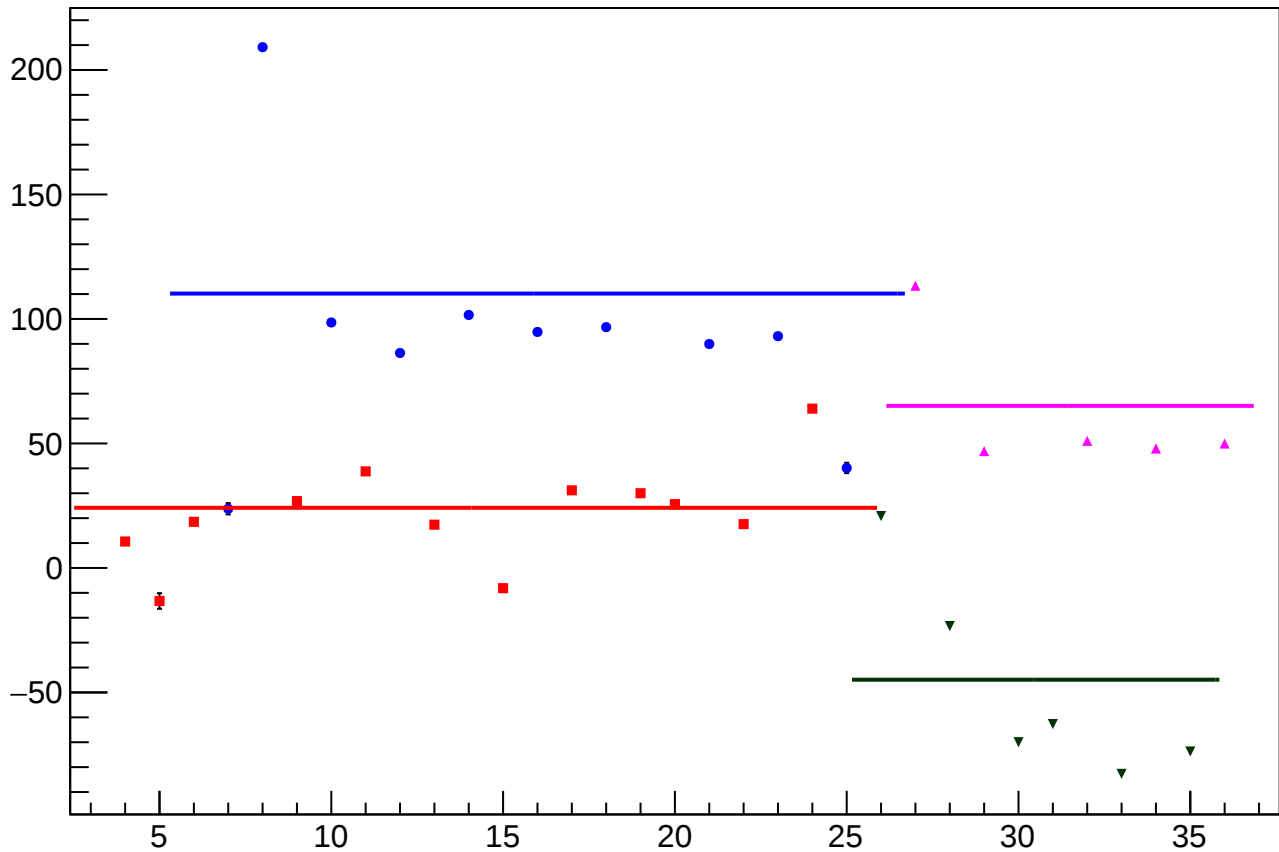
Right Out: 1050.613 $\pm$ 0.293 χ^2 /NDF: 14851.7/11

Left In: 1067.847 $\pm$ 0.399 χ^2 /NDF:12015.9/4

1059.352 $\pm$ 0.242 χ^2 /NDF: 76529.5/15

1056.667 $\pm$ 0.236 χ^2 /NDF: 28078.9/16

diff_bpm2i02Y_mean vs slug



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

Left Out: -44.882 $\pm$ 0.627 χ^2 /NDF:3339.0/5

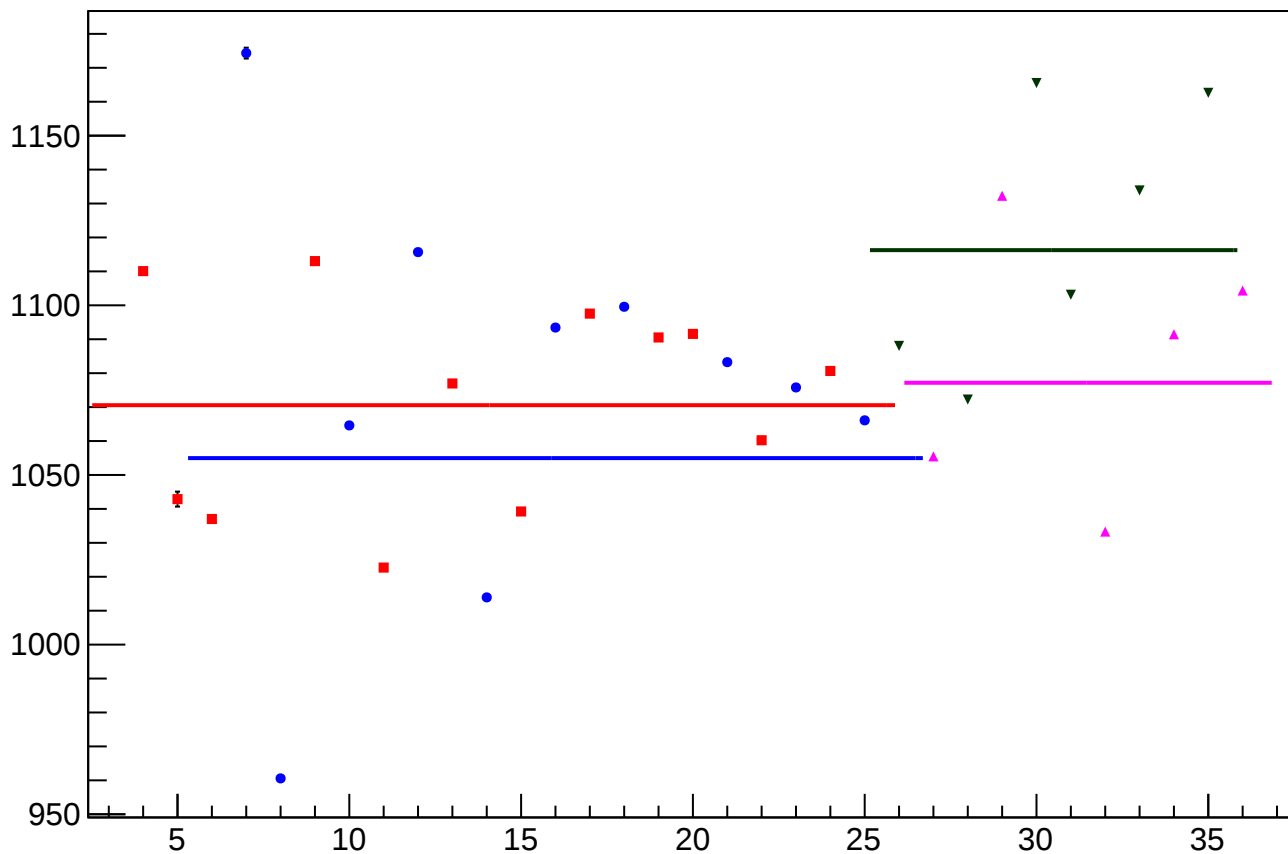
Right Out: 24.160 $\pm$ 0.423 χ^2 /NDF: 1842.7/11

Left In: 65.101 $\pm$ 0.569 χ^2 /NDF:2390.2/4

62.936 $\pm$ 0.346 χ^2 /NDF: 59197.9/15

38.743 $\pm$ 0.339 χ^2 /NDF: 7570.1/16

diff_bpm2i02Y_rms vs slug



Right In: 1054.969 $\pm$ 0.293 χ^2 /NDF: 35538.9/9

Left Out: 1116.261 $\pm$ 0.443 χ^2 /NDF: 7100.8/5

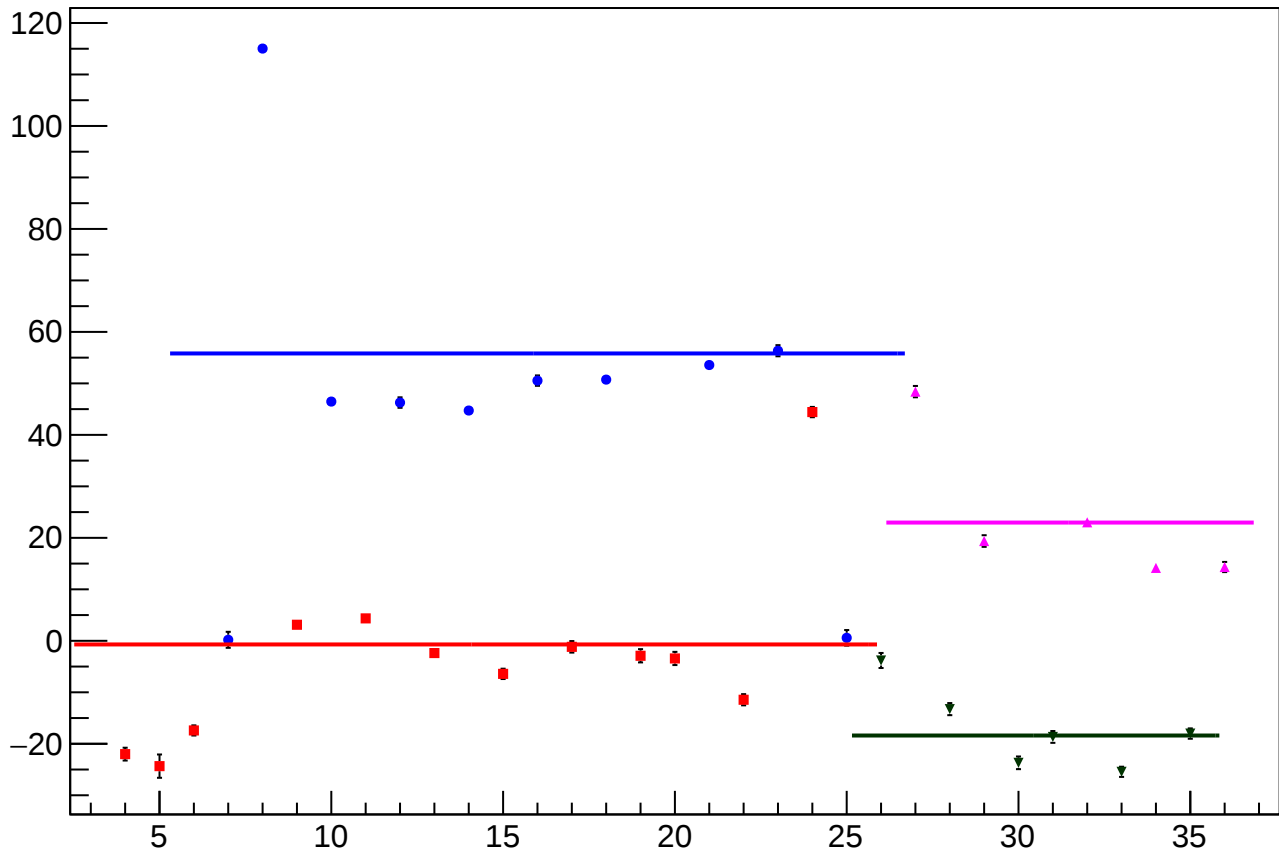
Right Out: 1070.566 $\pm$ 0.299 χ^2 /NDF: 10075.5/11

Left In: 1077.176 $\pm$ 0.402 χ^2 /NDF: 8731.4/4

1073.649 $\pm$ 0.245 χ^2 /NDF: 55934.6/15

1072.921 $\pm$ 0.240 χ^2 /NDF: 18980.9/16

diff_bpm1i04X_mean vs slug



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

Left Out: -18.394 $\pm$ 0.465 χ^2 /NDF:187.9/5

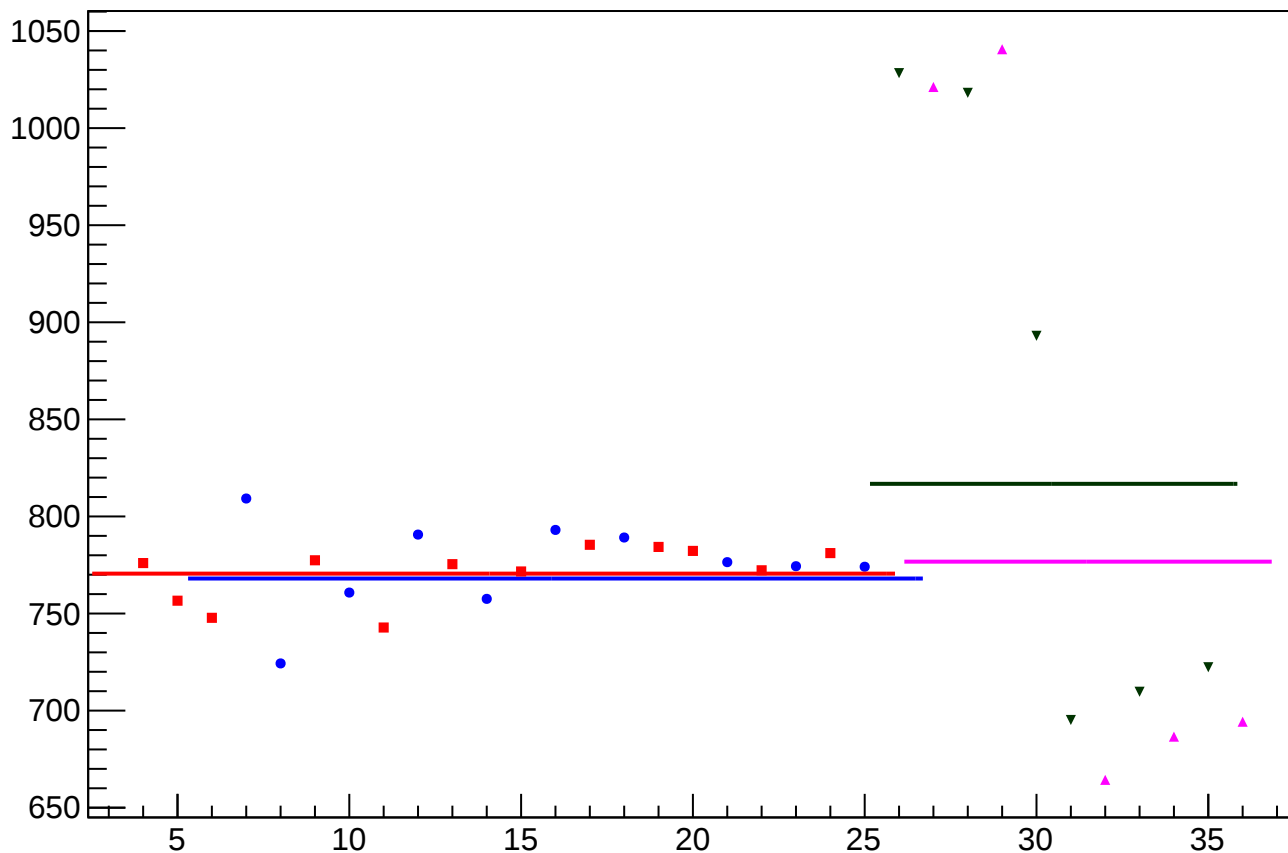
Right Out: -0.705 $\pm$ 0.304 χ^2 /NDF: 2908.1/11

Left In: 22.968 $\pm$ 0.418 χ^2 /NDF:701.5/4

33.873 $\pm$ 0.253 χ^2 /NDF: 27302.8/15

7.492 $\pm$ 0.246 χ^2 /NDF: 5707.2/16

diff_bpm1i04X_rms vs slug



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

Left Out: 816.798+/-0.329 χ^2/NDF : 171589.4/5

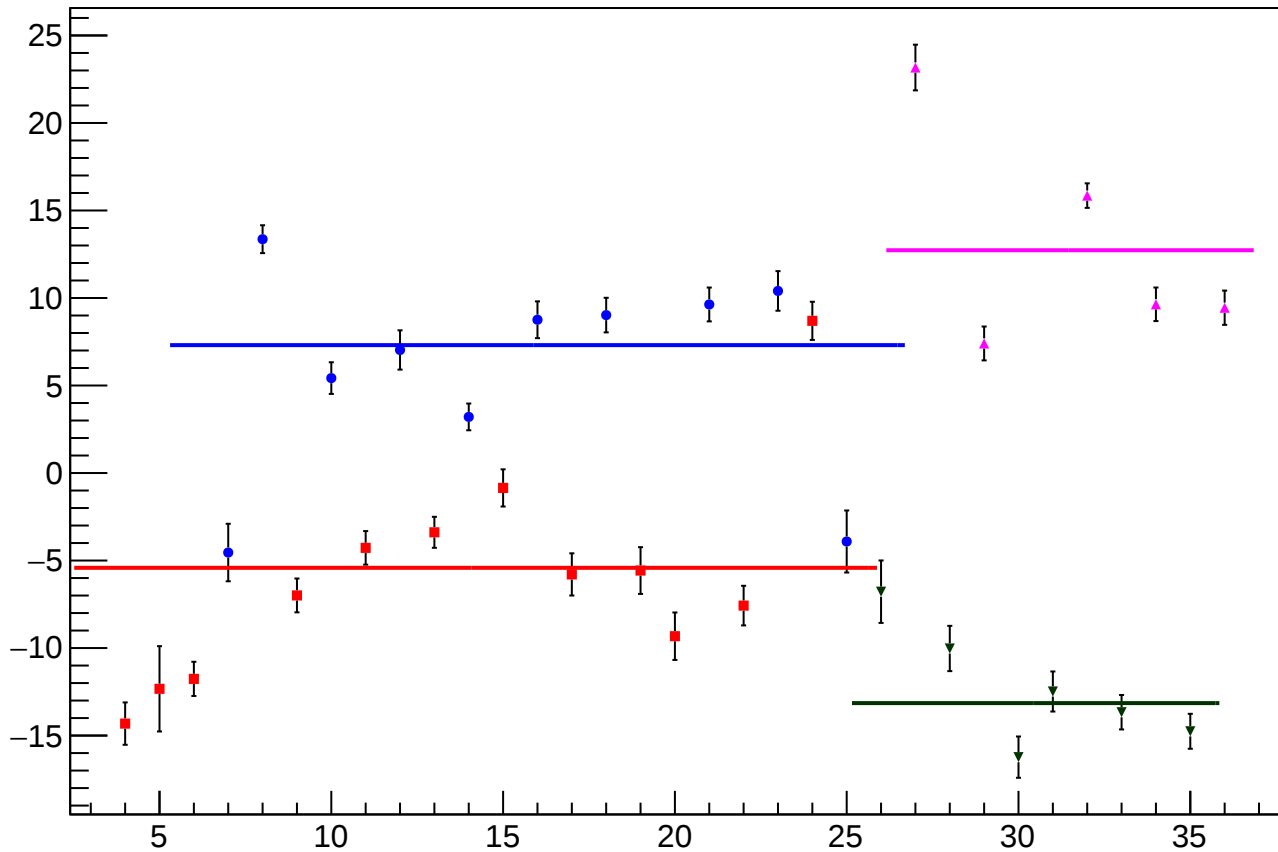
Right Out: 770.550+/-0.215 χ^2/NDF : 4259.5/11

Left In: 776.717+/-0.296 χ^2/NDF : 290143.6/4

782.448+/-0.179 χ^2/NDF : 199165.2/15

772.685+/-0.174 χ^2/NDF : 294687.8/16

diff_bpm1i04Y_mean vs slug



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

Left Out: -13.145 ± 0.475 χ^2/NDF : 28.6/5

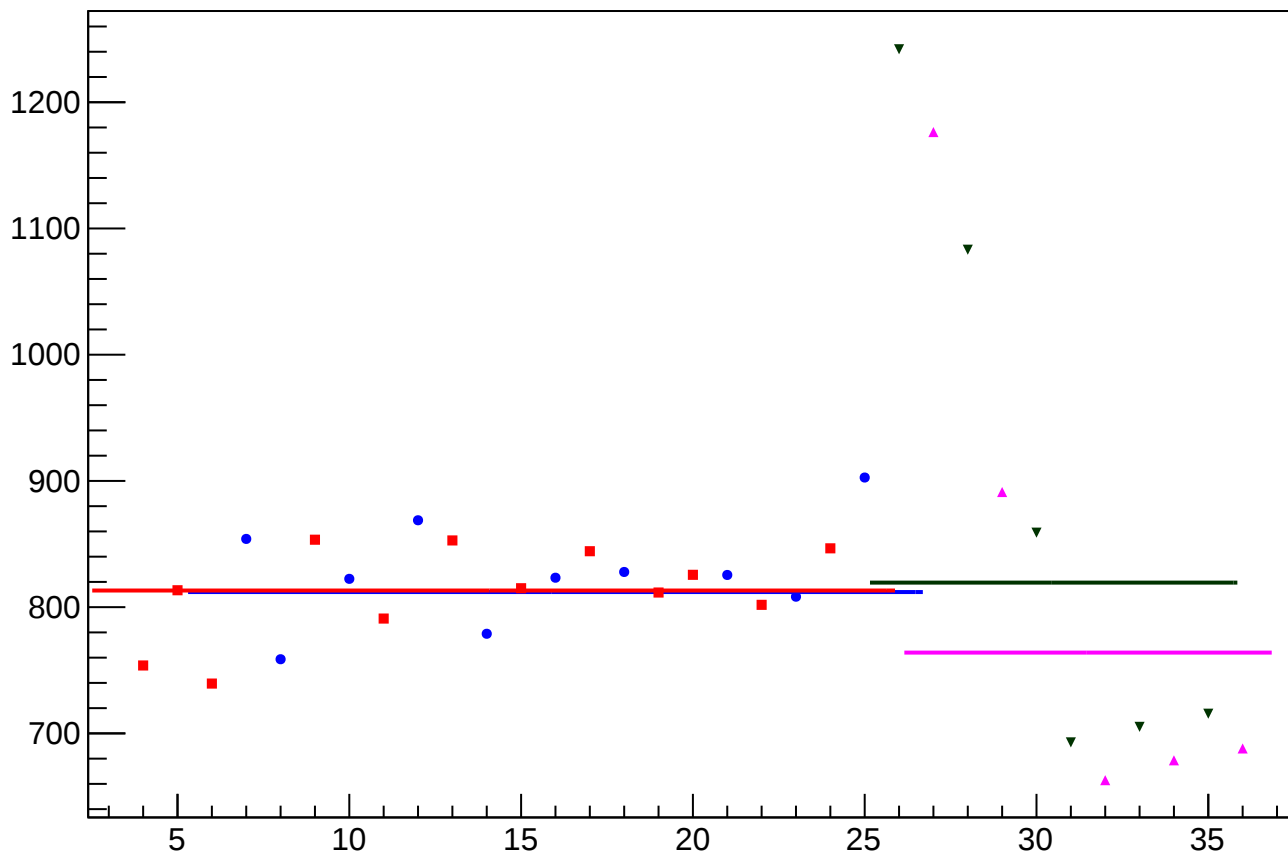
Right Out: -5.416 ± 0.322 χ^2/NDF : 311.5/11

Left In: 12.729 ± 0.414 χ^2/NDF : 135.8/4

0.929 ± 0.265 χ^2/NDF : 1505.2/15

1.422 ± 0.254 χ^2/NDF : 1642.1/16

diff_bpm1i04Y_rms vs slug



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

Left Out: 819.452 $\pm$ 0.336 χ^2 /NDF: 270697.5/5

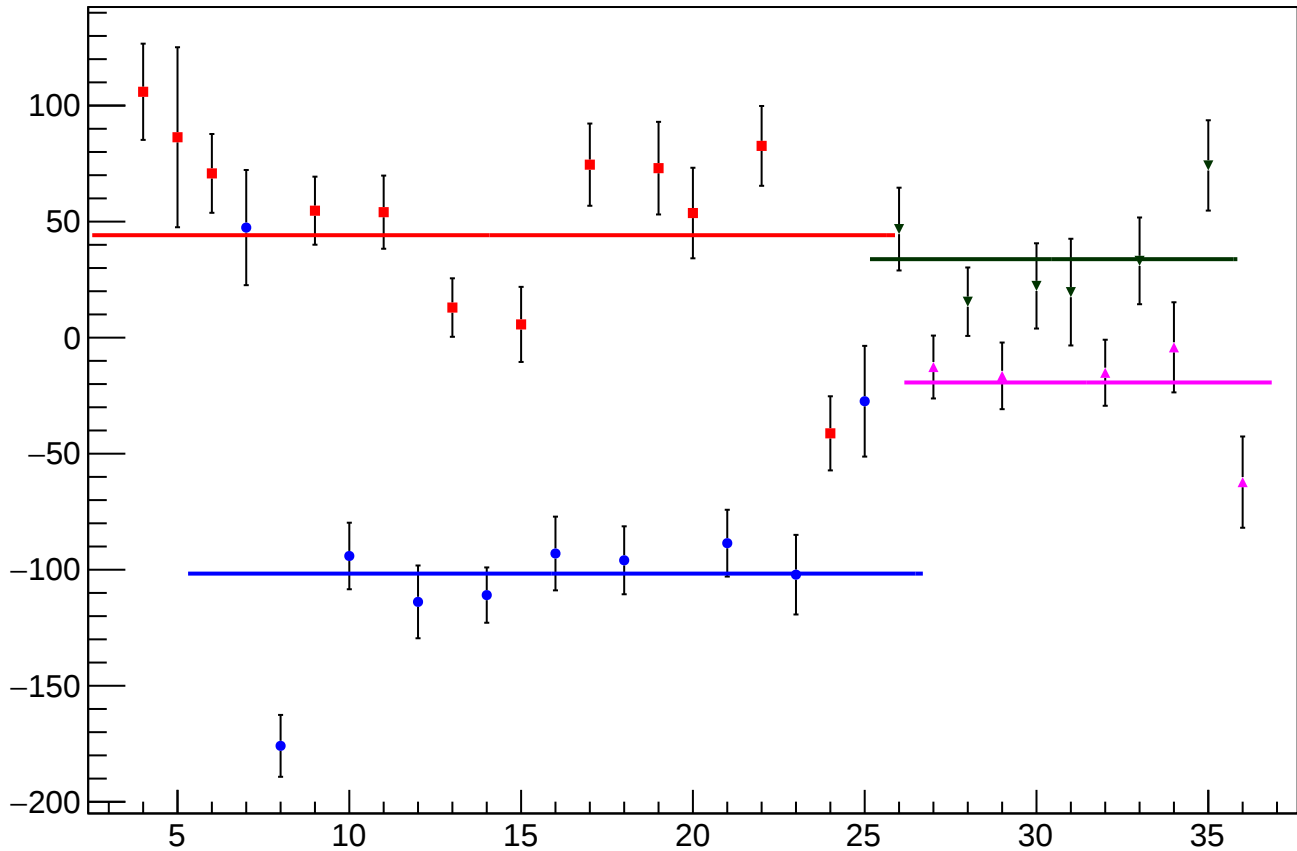
Right Out: 813.189 $\pm$ 0.228 χ^2 /NDF: 28331.0/11

Left In: 764.006 $\pm$ 0.293 χ^2 /NDF: 303650.0/4

814.304 $\pm$ 0.188 χ^2 /NDF: 296835.1/15

794.653 $\pm$ 0.180 χ^2 /NDF: 349538.4/16

diff_bpm0l02X_mean vs slug



Right In: -101.672 +/- 4.889 χ^2/NDF : 79.6/9

Left Out: 33.818 +/- 7.433 χ^2/NDF : 7.2/5

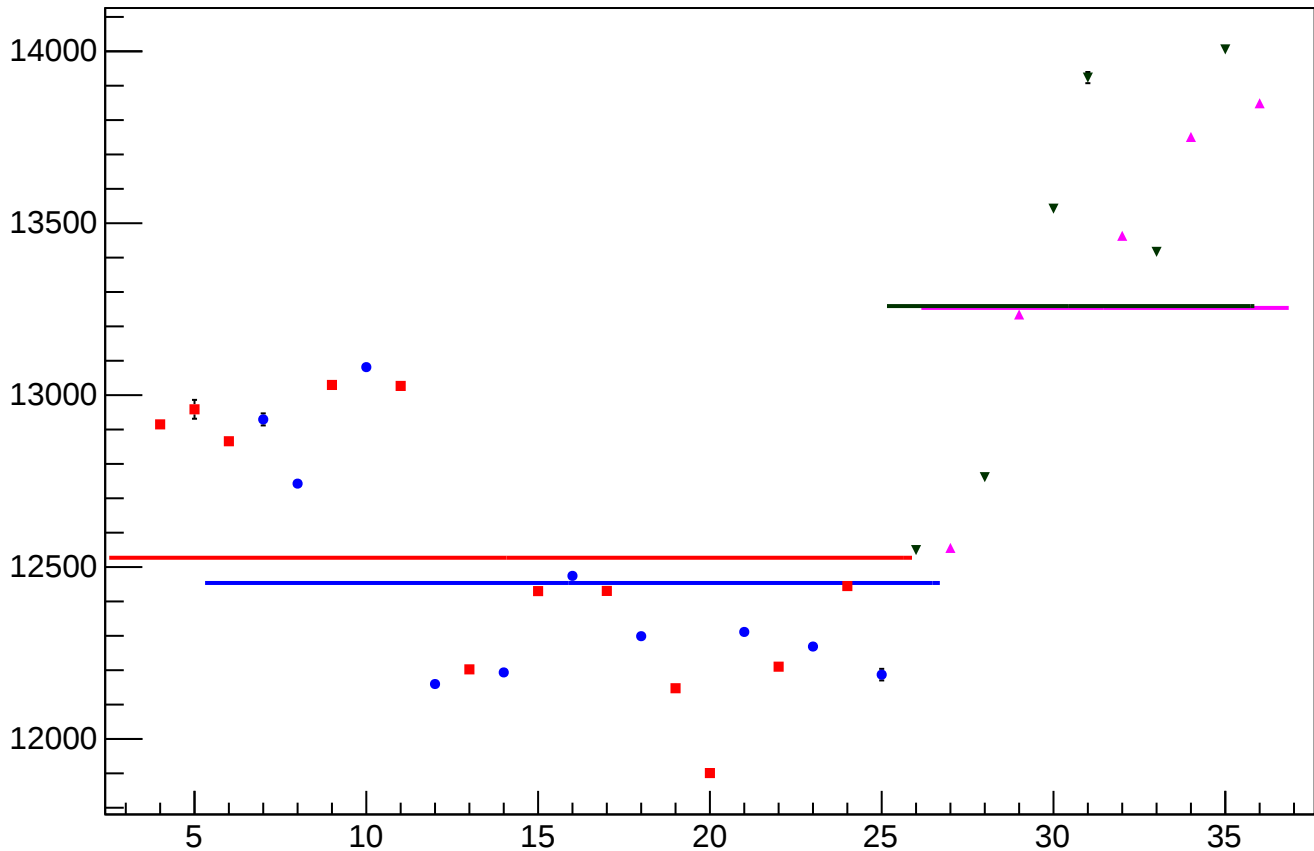
Right Out: 44.144 +/- 4.946 χ^2/NDF : 64.1/11

Left In: -19.318 +/- 6.988 χ^2/NDF : 5.7/4

-60.759 +/- 4.084 χ^2/NDF : 318.7/15

22.966 +/- 4.037 χ^2/NDF : 124.8/16

diff_bpm0l02X_rms vs slug



Right In: 12453.727+/-3.457 χ^2/NDF : 8070.4/9

Left Out: 13259.050+/-5.256 χ^2/NDF :10676.0/5

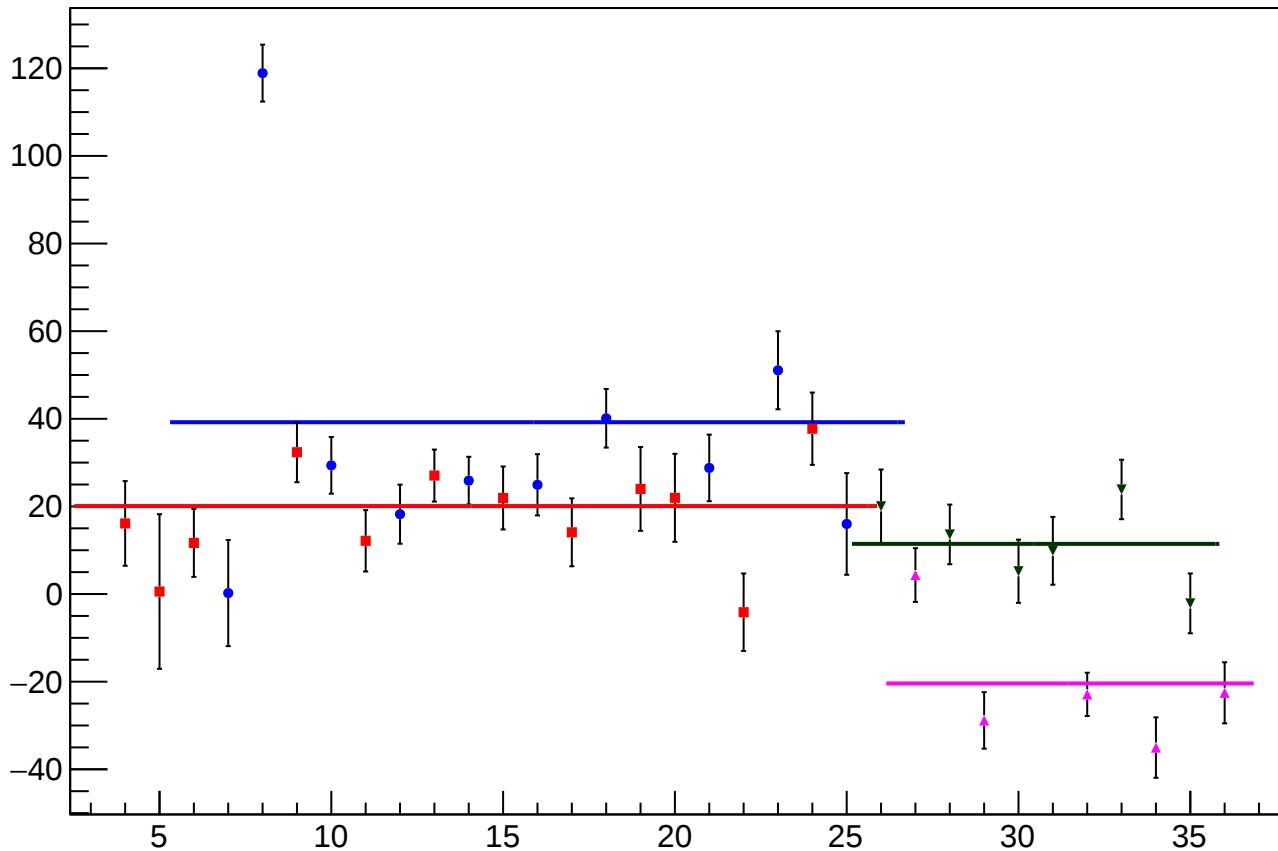
12696.907+/-2.888 χ^2/NDF : 35135.0/15

Right Out: 12527.068+/-3.497 χ^2/NDF : 11080.0/11

12769.542+/-2.855 χ^2/NDF : 34376.1/16

Left In: 13253.693+/-4.942 χ^2/NDF :8889.4/4

diff_bpm0l02Y_mean vs slug



Right In: 39.218 $\pm$ 2.292 χ^2 /NDF: 190.8/9

Left Out: 11.452 $\pm$ 2.951 χ^2 /NDF: 9.2/5

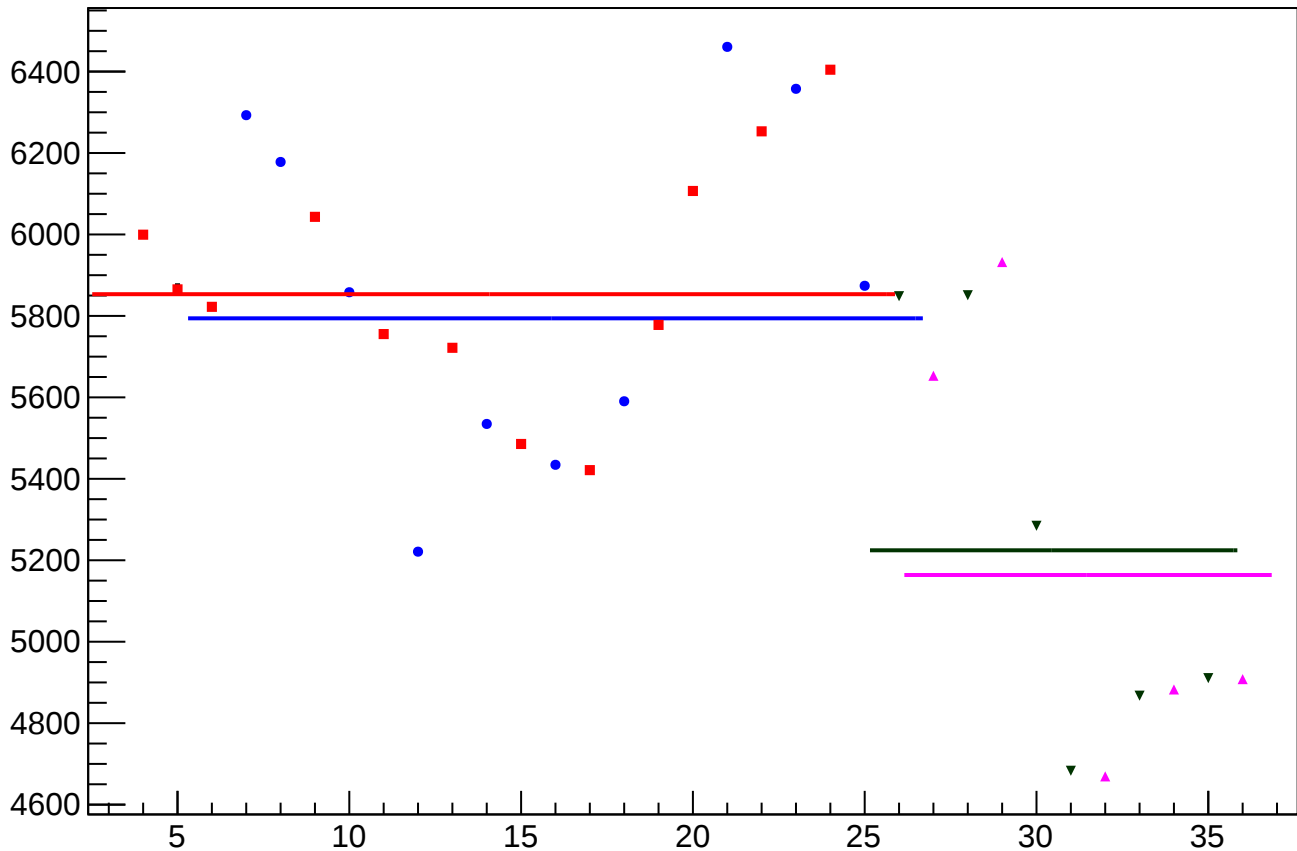
Right Out: 20.083 $\pm$ 2.324 χ^2 /NDF: 21.4/11

Left In: -20.404 $\pm$ 2.740 χ^2 /NDF: 22.8/4

28.774 $\pm$ 1.810 χ^2 /NDF: 255.3/15

3.141 $\pm$ 1.772 χ^2 /NDF: 171.2/16

diff_bpm0l02Y_rms vs slug



Right In: 5794.071 $\pm$ 1.620 χ^2 /NDF: 60209.2/9

Left Out: 5224.483 $\pm$ 2.087 χ^2 /NDF: 47666.0/5

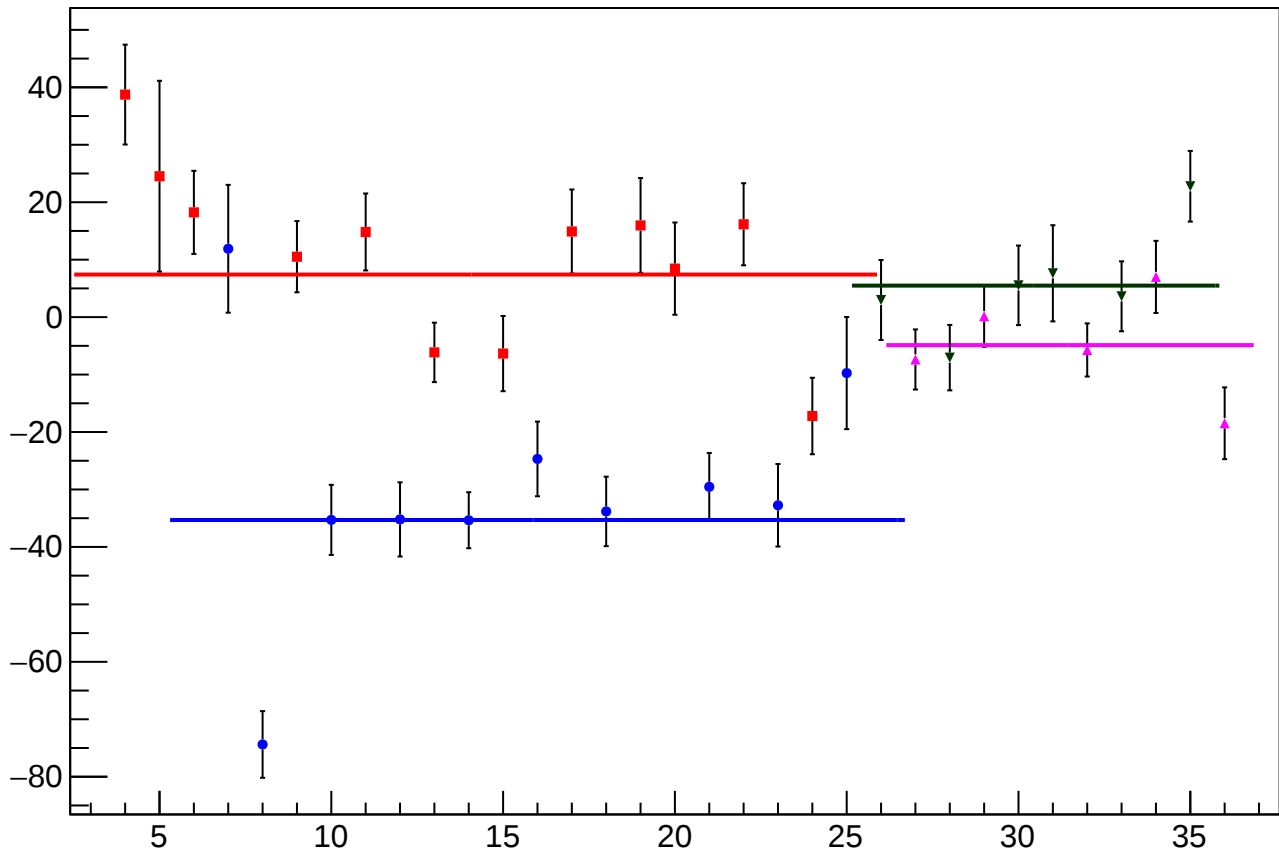
Right Out: 5853.344 $\pm$ 1.643 χ^2 /NDF: 29282.6/11

Left In: 5163.835 $\pm$ 1.937 χ^2 /NDF: 67175.5/4

5579.812 $\pm$ 1.280 χ^2 /NDF: 154356.8/15

5564.812 $\pm$ 1.253 χ^2 /NDF: 170126.3/16

diff_bpm0l03X_mean vs slug



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

Left Out: 5.485 ± 2.673 χ^2/NDF : 13.0/5

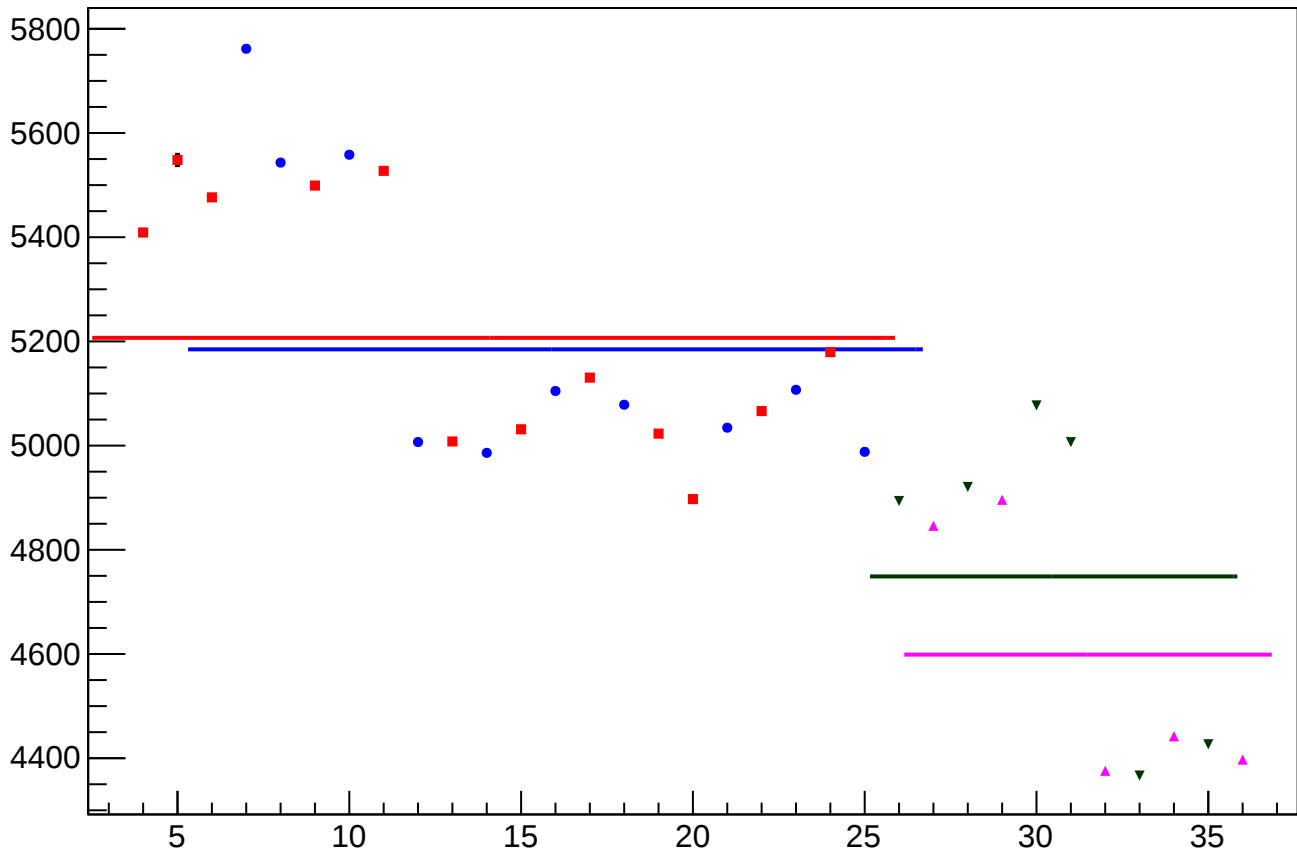
Right Out: 7.409 ± 2.058 χ^2/NDF : 46.4/11

Left In: -4.871 ± 2.427 χ^2/NDF : 9.5/4

-20.303 ± 1.621 χ^2/NDF : 234.3/15

2.272 ± 1.570 χ^2/NDF : 70.8/16

diff_bpm0l03X_rms vs slug



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

Left Out: 4748.864+/-1.890 χ^2/NDF :22434.7/5

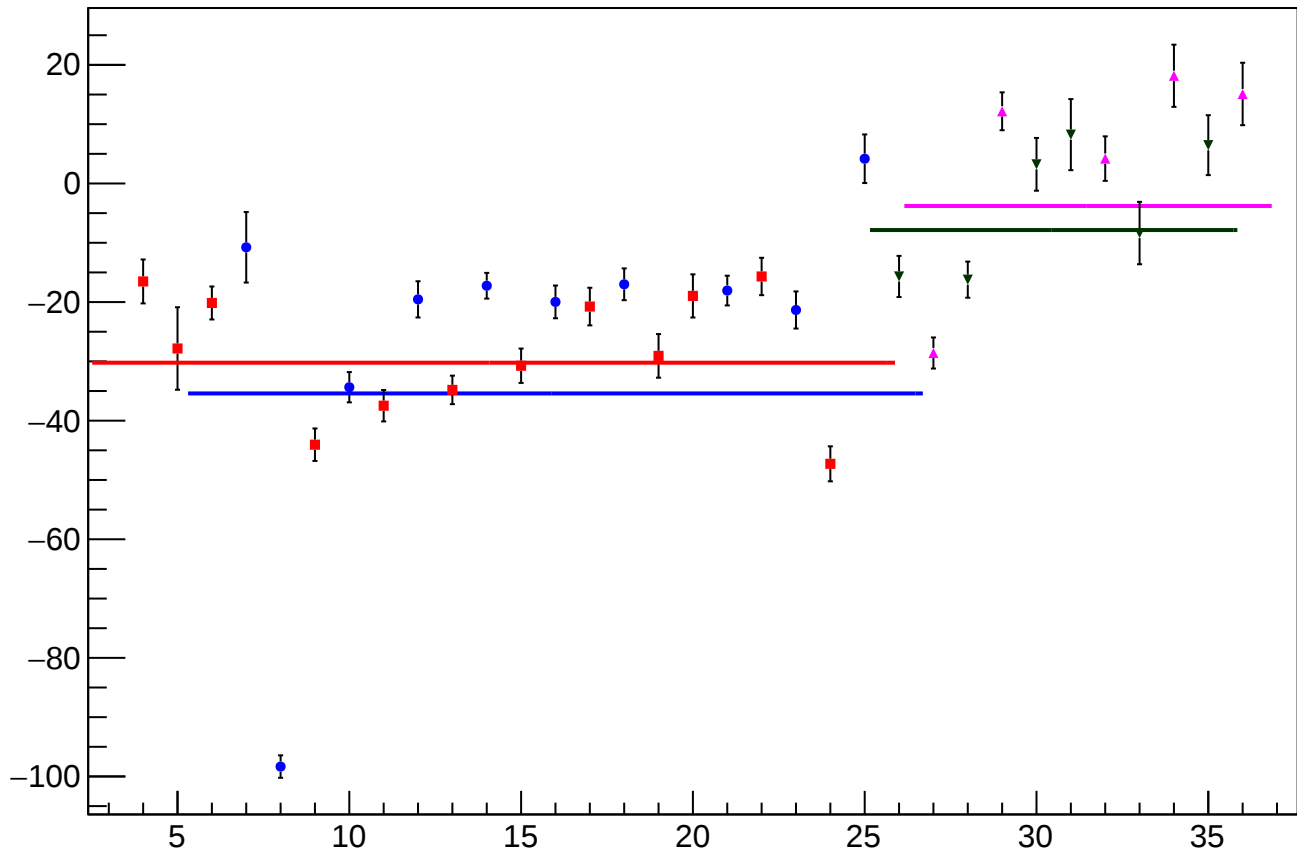
Right Out: 5206.838+/-1.455 χ^2/NDF : 23121.5/11

Left In: 4598.853+/-1.716 χ^2/NDF :18705.8/4

5024.381+/-1.146 χ^2/NDF : 84670.7/15

4952.534+/-1.110 χ^2/NDF : 114841.1/16

diff_bpm0l03Y_mean vs slug



Right In: -35.407 ± 0.854 χ^2/NDF : 1459.3/9

Left Out: -7.852 ± 1.704 χ^2/NDF : 34.1/5

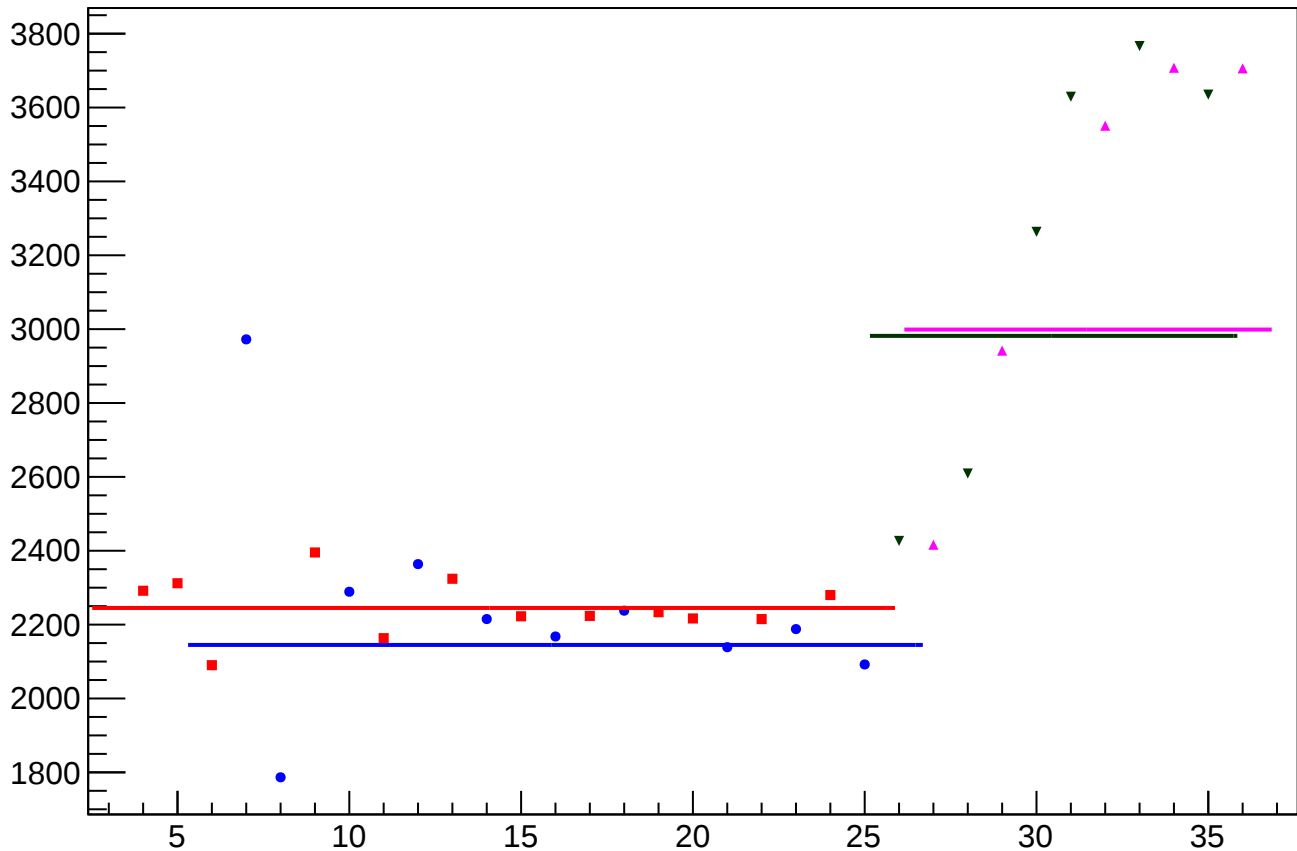
Right Out: -30.222 ± 0.893 χ^2/NDF : 136.9/11

Left In: -3.793 ± 1.607 χ^2/NDF : 149.5/4

-29.879 ± 0.763 χ^2/NDF : 1702.3/15

-23.994 ± 0.780 χ^2/NDF : 493.0/16

diff_bpm0l03Y_rms vs slug



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

Left Out: 2981.796+/-1.205 χ^2/NDF : 190294.9/5

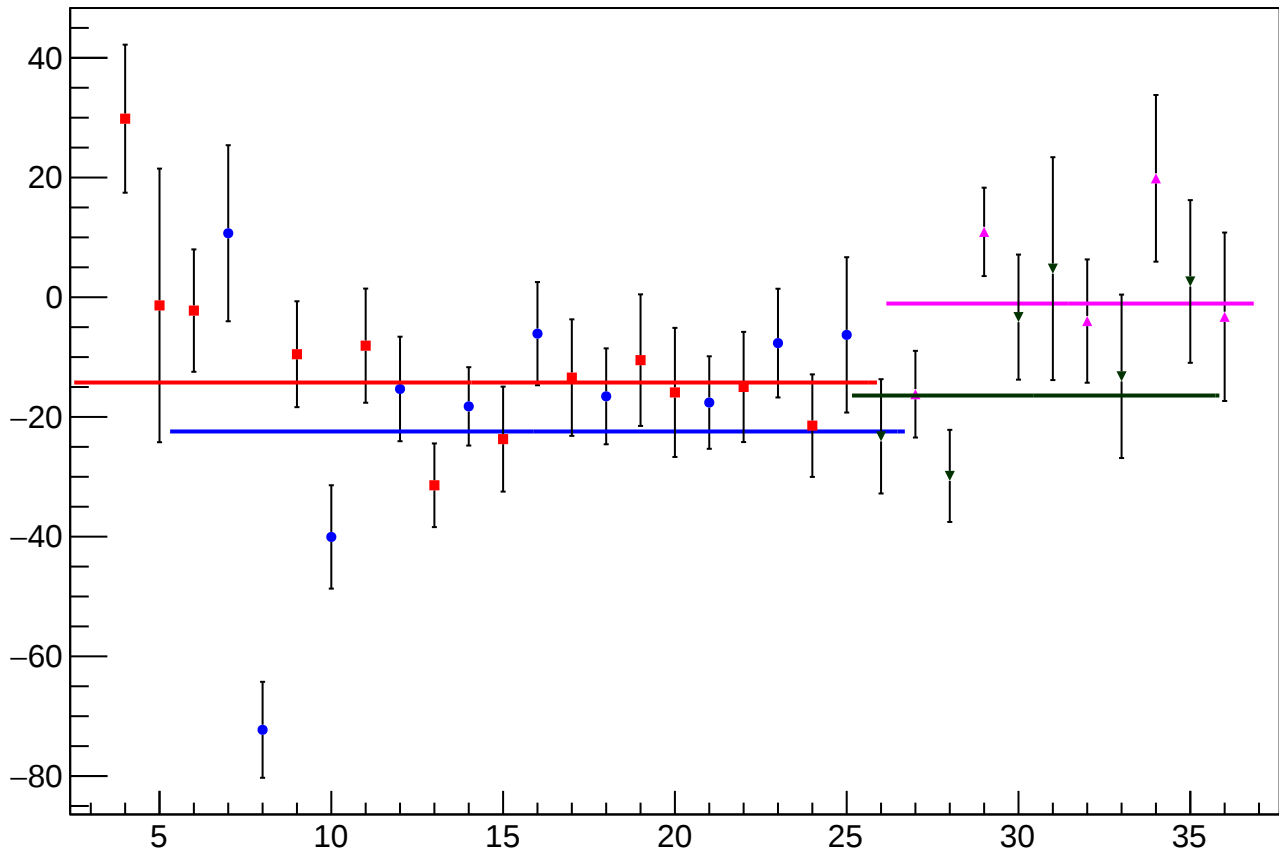
Right Out: 2245.118+/-0.631 χ^2/NDF : 17612.9/11

Left In: 2998.866+/-1.137 χ^2/NDF : 215377.6/4

2312.869+/-0.540 χ^2/NDF : 708055.4/15

2422.749+/-0.552 χ^2/NDF : 569118.3/16

diff_bpm0l04X_mean vs slug



Right In: -22.429 ± 2.733 $\chi^2/\text{NDF}: 57.7/9$

Left Out: -16.422 ± 4.442 $\chi^2/\text{NDF}: 8.4/5$

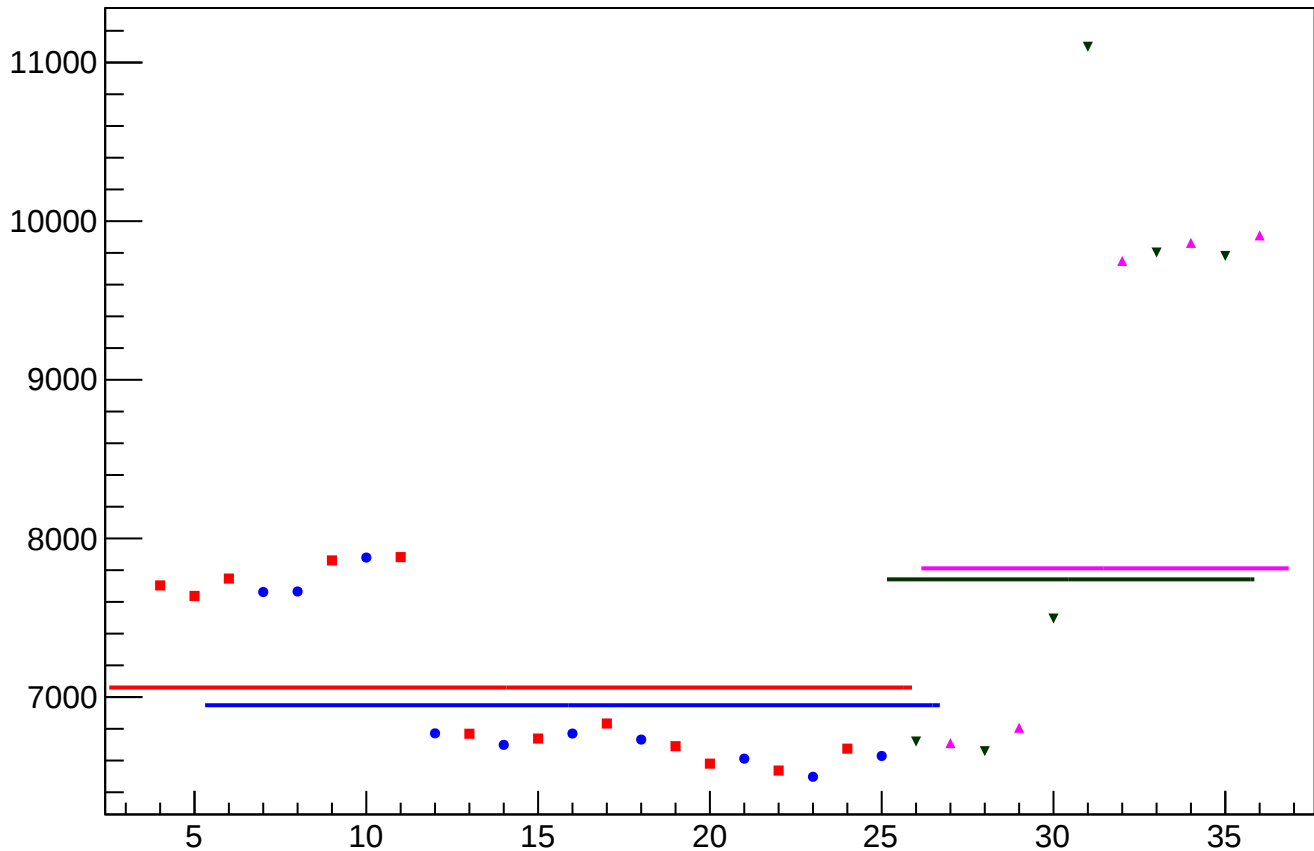
Right Out: -14.248 ± 2.794 $\chi^2/\text{NDF}: 23.2/11$

Left In: -1.056 ± 4.187 $\chi^2/\text{NDF}: 9.4/4$

-20.779 ± 2.328 $\chi^2/\text{NDF}: 67.4/15$

-10.183 ± 2.324 $\chi^2/\text{NDF}: 39.4/16$

diff_bpm0l04X_rms vs slug



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

Left Out: 7742.133+/-3.141 χ^2/NDF : 219256.0/5

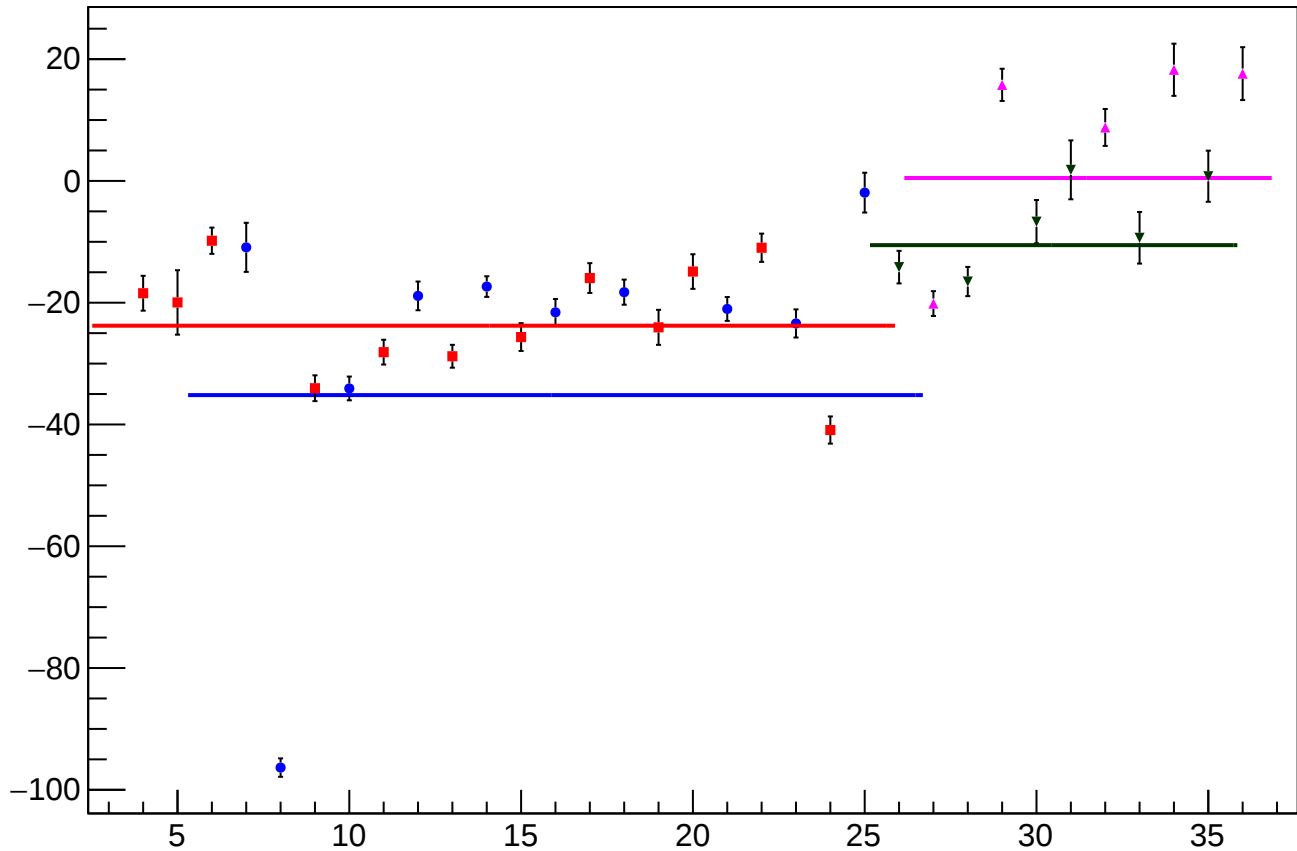
Right Out: 7060.304+/-1.976 χ^2/NDF : 70982.1/11

Left In: 7811.589+/-2.960 χ^2/NDF : 242040.7/4

7166.506+/-1.646 χ^2/NDF : 325492.0/15

7291.779+/-1.643 χ^2/NDF : 357583.0/16

diff_bpm0l04Y_mean vs slug



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

-30.393+/-0.595 χ^2/NDF : 2408.0/15

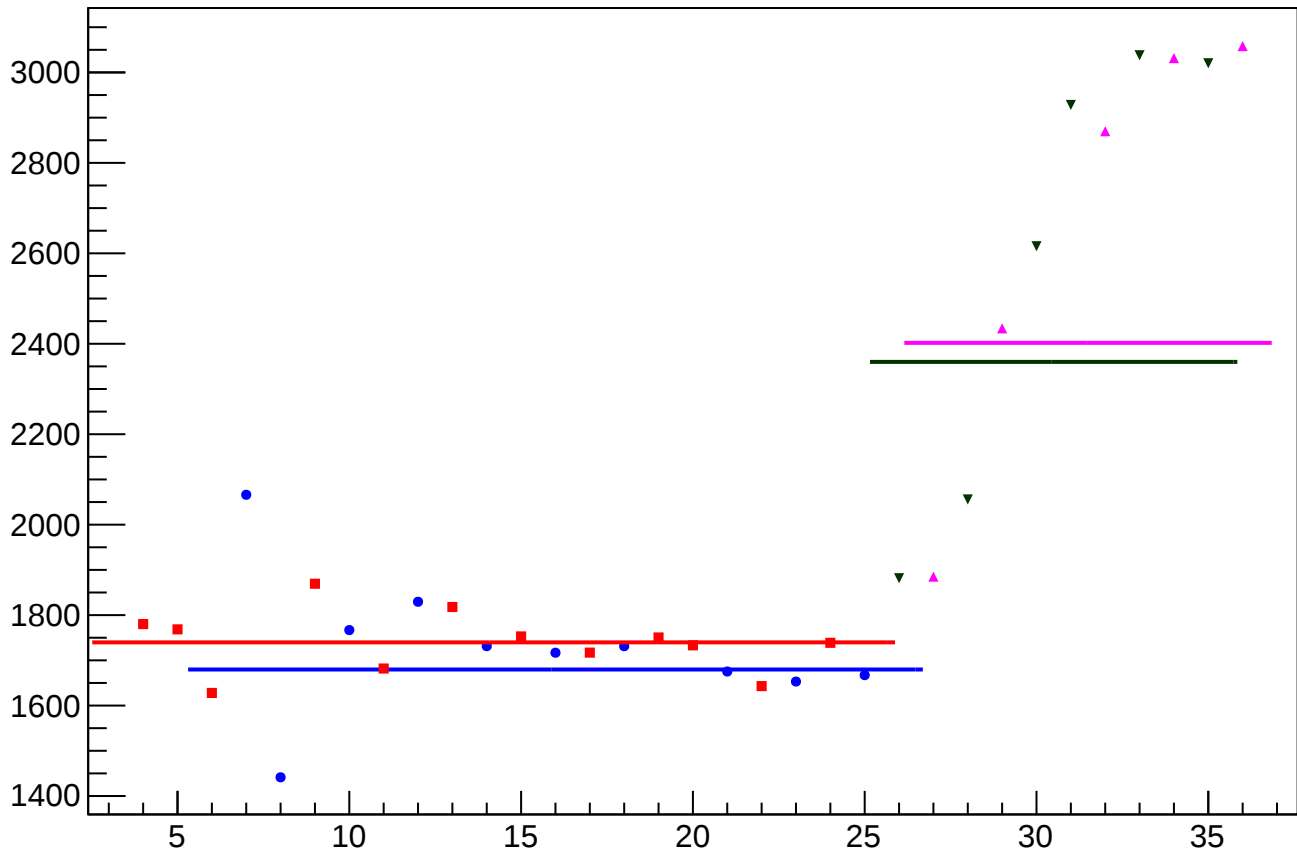
Left Out: -10.547+/-1.351 χ^2/NDF : 23.1/5

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

-18.407+/-0.607 χ^2/NDF : 642.2/16

Left In: 0.481+/-1.291 χ^2/NDF : 176.2/4

diff_bpm0l04Y_rms vs slug



Right In: 1679.752 $\pm$ 0.469 χ^2 /NDF: 84058.4/9

Left Out: 2359.936 $\pm$ 0.955 χ^2 /NDF: 234763.5/5

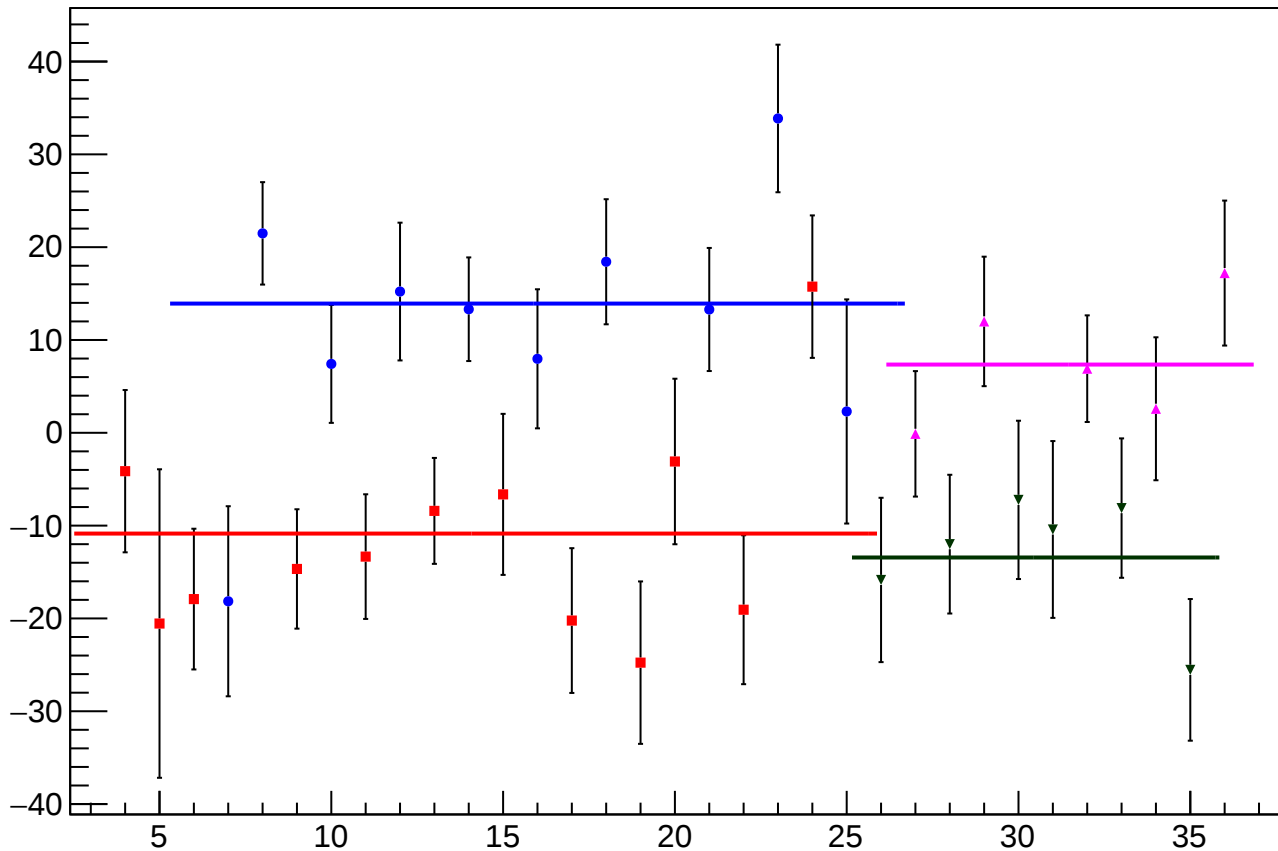
Right Out: 1739.740 $\pm$ 0.487 χ^2 /NDF: 22147.7/11

Left In: 2402.043 $\pm$ 0.913 χ^2 /NDF: 265450.5/4

1811.799 $\pm$ 0.421 χ^2 /NDF: 727359.3/15

1886.387 $\pm$ 0.430 χ^2 /NDF: 697432.4/16

diff_bpm0l05X_mean vs slug



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

Left Out: -13.434 ± 3.327 $\chi^2/\text{NDF}: 3.8/5$

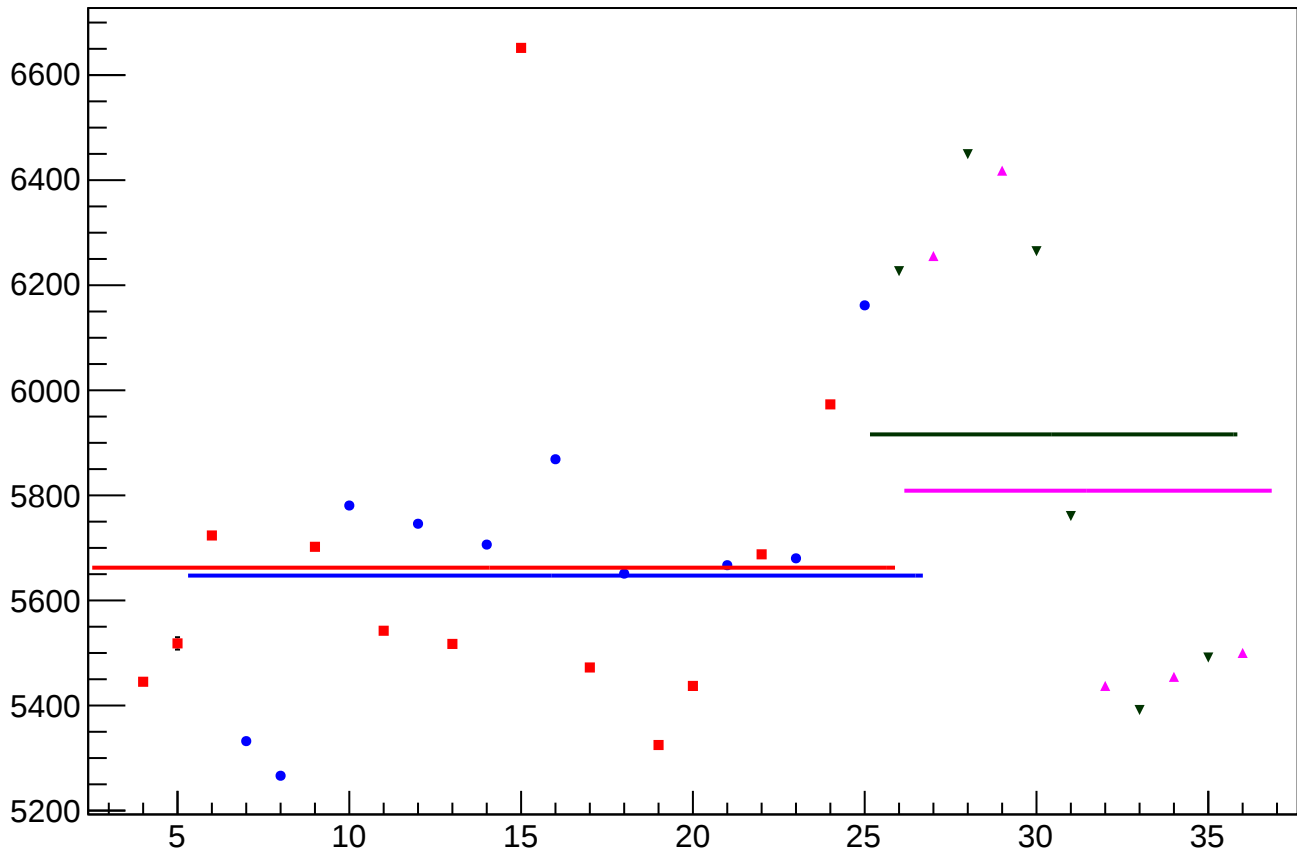
Right Out: -10.857 ± 2.241 $\chi^2/\text{NDF}: 20.5/11$

Left In: 7.352 ± 3.072 $\chi^2/\text{NDF}: 3.6/4$

5.488 ± 1.847 $\chi^2/\text{NDF}: 71.6/15$

-4.530 ± 1.811 $\chi^2/\text{NDF}: 47.1/16$

diff_bpm0l05X_rms vs slug



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

Left Out: 5916.073+/-2.353 χ^2/NDF : 32480.7/5

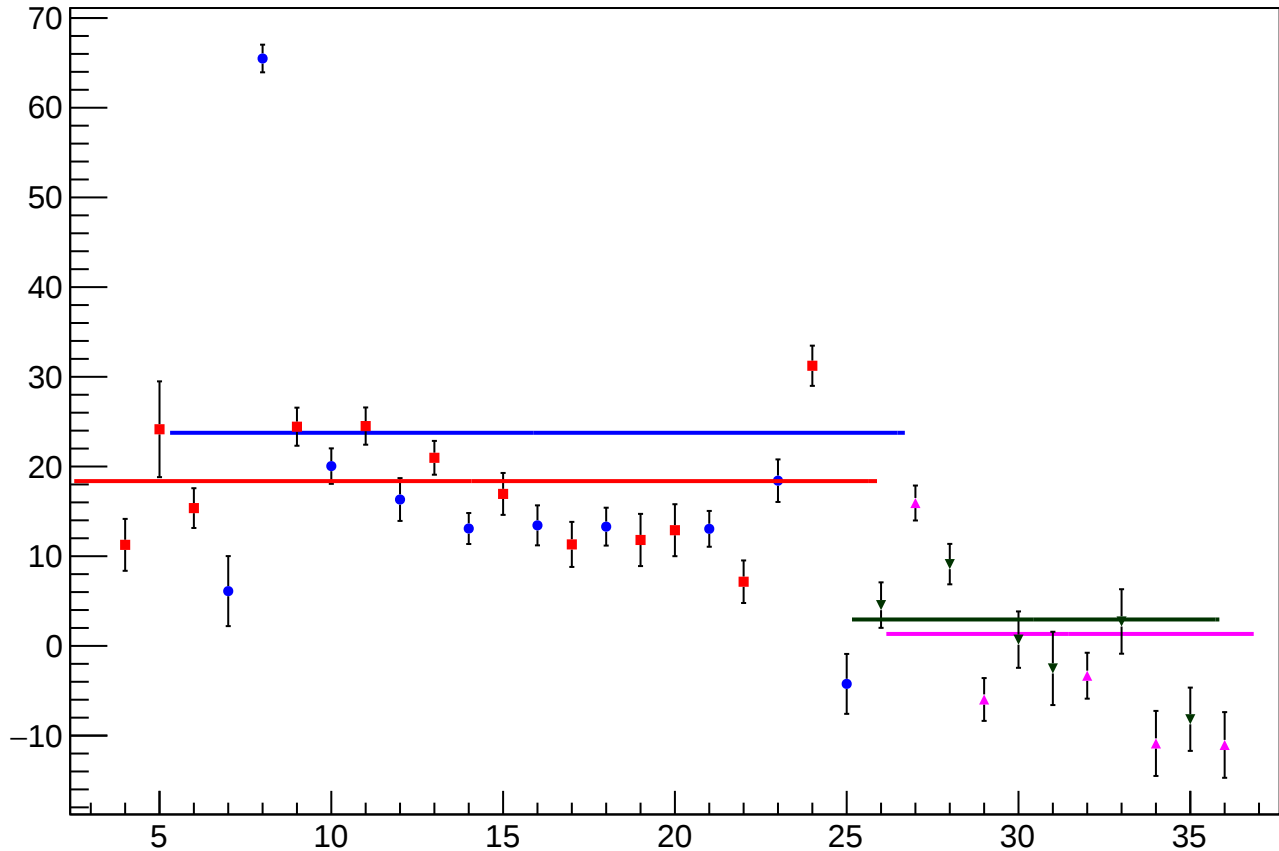
Right Out: 5662.385+/-1.585 χ^2/NDF : 38277.2/11

Left In: 5808.913+/-2.172 χ^2/NDF : 39713.8/4

5730.176+/-1.306 χ^2/NDF : 59825.0/15

5713.298+/-1.280 χ^2/NDF : 80960.9/16

diff_bpm0l05Y_mean vs slug



Right In: 23.760 $\pm$ 0.675 χ^2 /NDF: 954.7/9

Left Out: 2.945 $\pm$ 1.221 χ^2 /NDF: 20.1/5

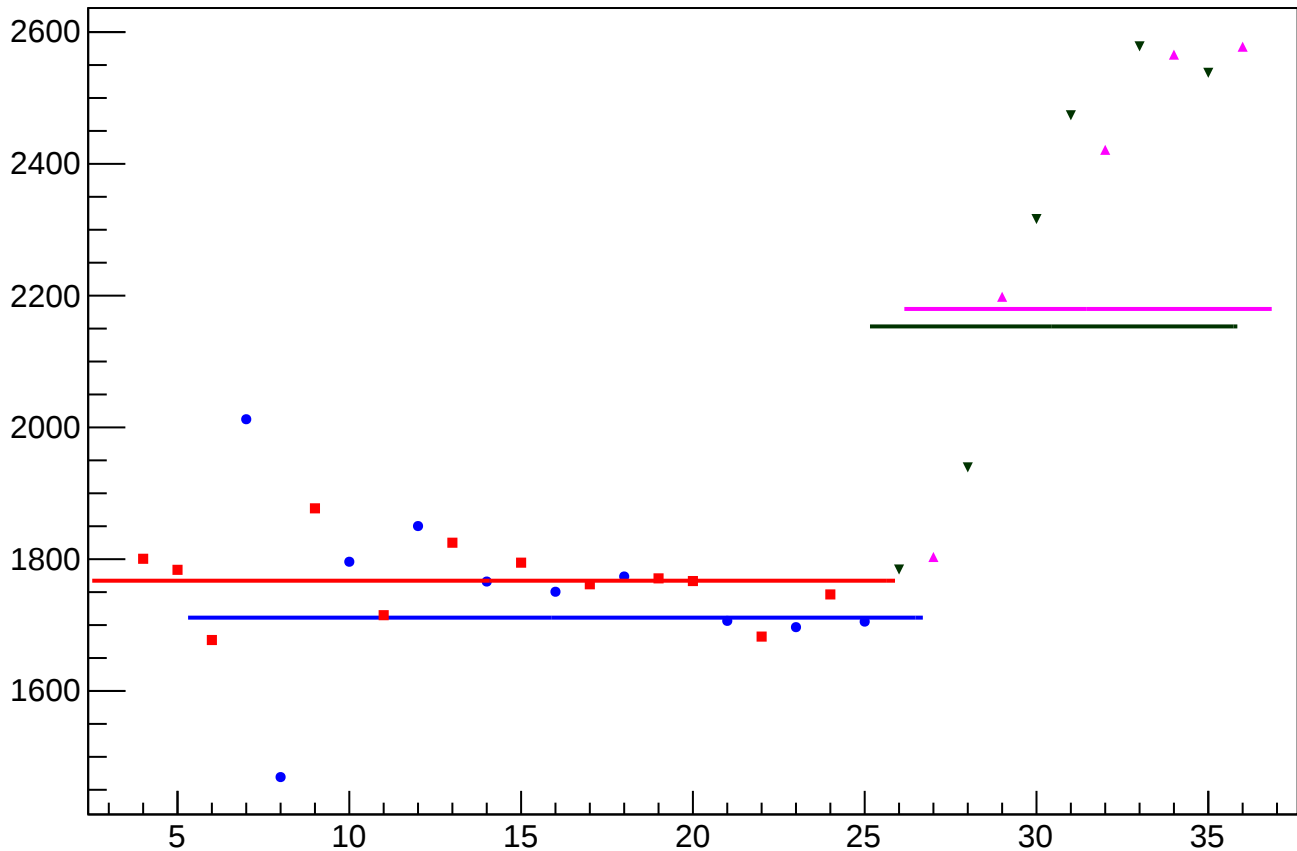
Right Out: 18.373 $\pm$ 0.699 χ^2 /NDF: 100.0/11

Left In: 1.334 $\pm$ 1.161 χ^2 /NDF: 91.6/4

18.889 $\pm$ 0.590 χ^2 /NDF: 1197.6/15

13.840 $\pm$ 0.599 χ^2 /NDF: 349.8/16

diff_bpm0l05Y_rms vs slug



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

Left Out: 2153.274+/-0.863 χ^2/NDF :129804.5/5

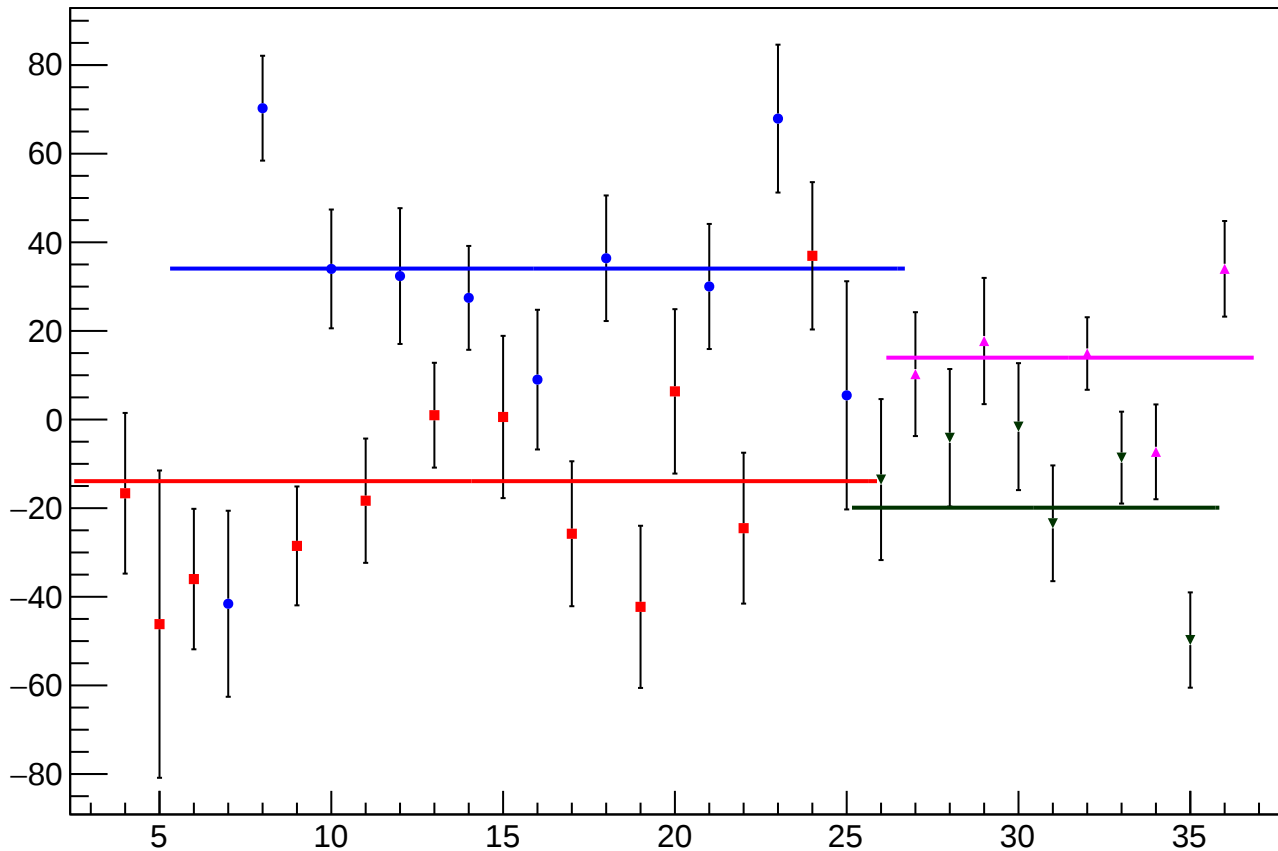
1814.714+/-0.418 χ^2/NDF : 406802.3/15

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

1877.051+/-0.423 χ^2/NDF : 339435.2/16

Left In: 2179.794+/-0.821 χ^2/NDF :138925.2/4

diff_bpm0l06X_mean vs slug



Right In: 34.072 $\pm$ 4.681 χ^2 /NDF: 30.7/9

Left Out: -19.891 $\pm$ 5.281 χ^2 /NDF:11.8/5

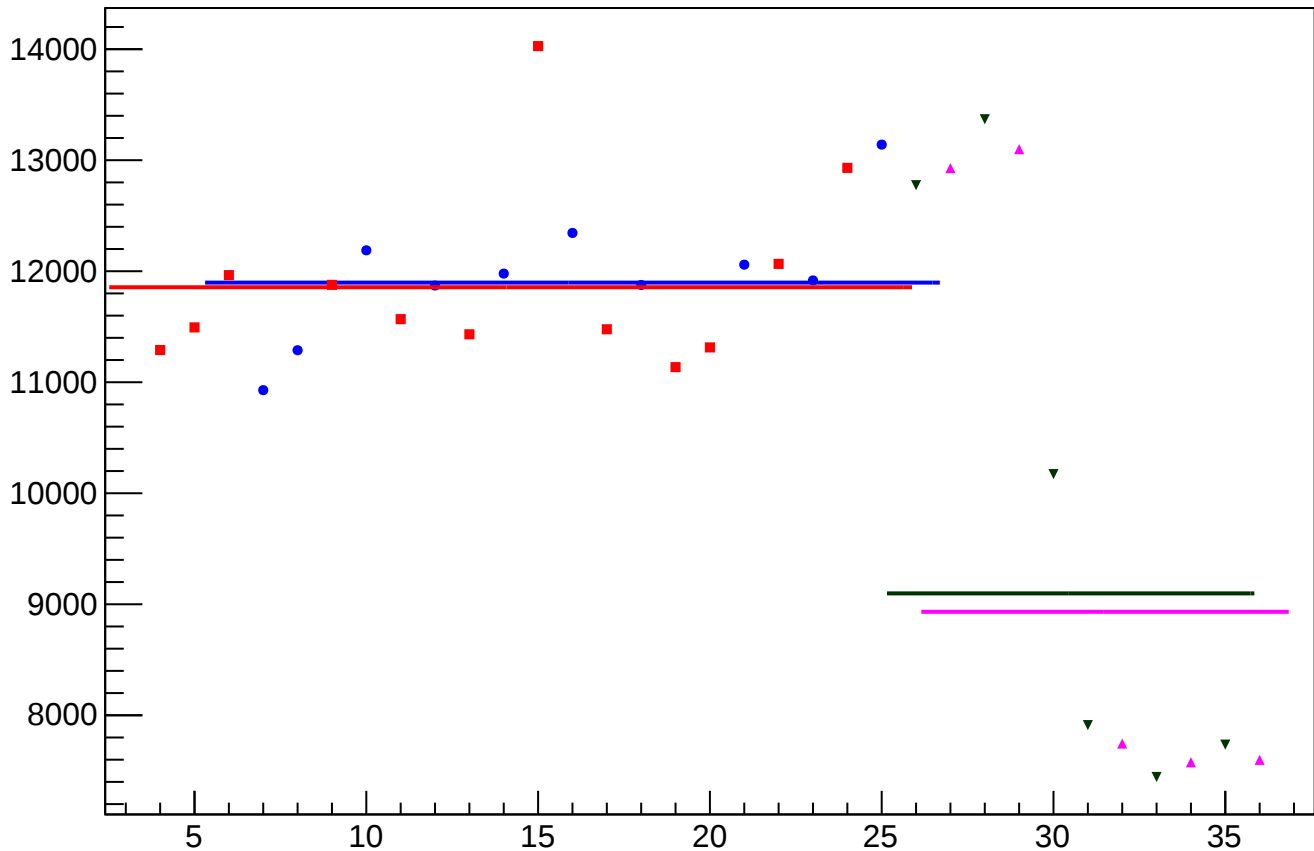
Right Out: -13.904 $\pm$ 4.697 χ^2 /NDF: 20.2/11

Left In: 13.966 $\pm$ 4.863 χ^2 /NDF:7.6/4

10.326 $\pm$ 3.503 χ^2 /NDF: 100.9/15

-0.451 $\pm$ 3.378 χ^2 /NDF: 44.7/16

diff_bpm0l06X_rms vs slug



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

Left Out: 9097.957+/-3.734 χ^2/NDF : 344114.4/5

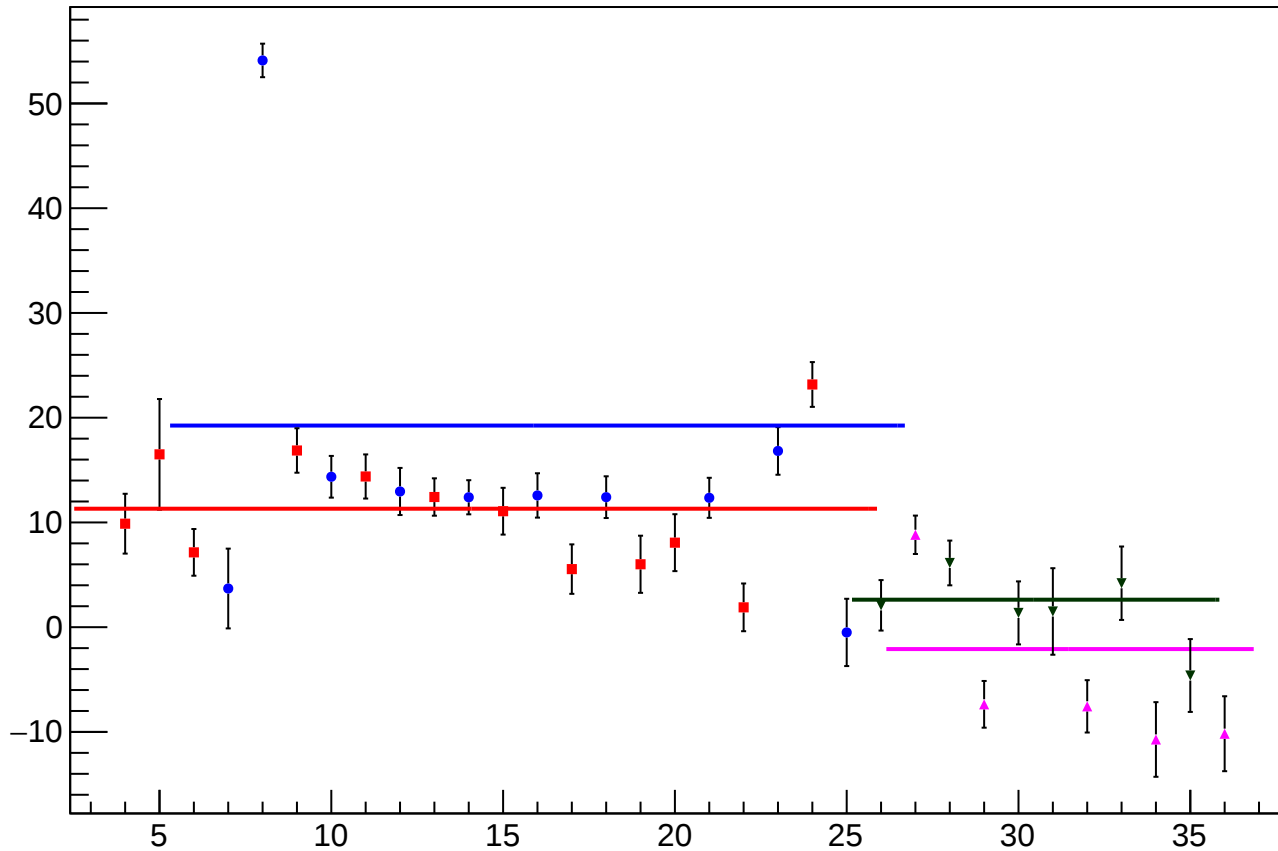
Right Out: 11855.642+/-3.322 χ^2/NDF : 48354.6/11

Left In: 8932.003+/-3.438 χ^2/NDF : 439356.9/4

10665.576+/-2.477 χ^2/NDF : 676008.3/15

10444.382+/-2.389 χ^2/NDF : 861701.8/16

diff_bpm0l06Y_mean vs slug



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

Left Out: 2.625 ± 1.175 χ^2/NDF : 7.5/5

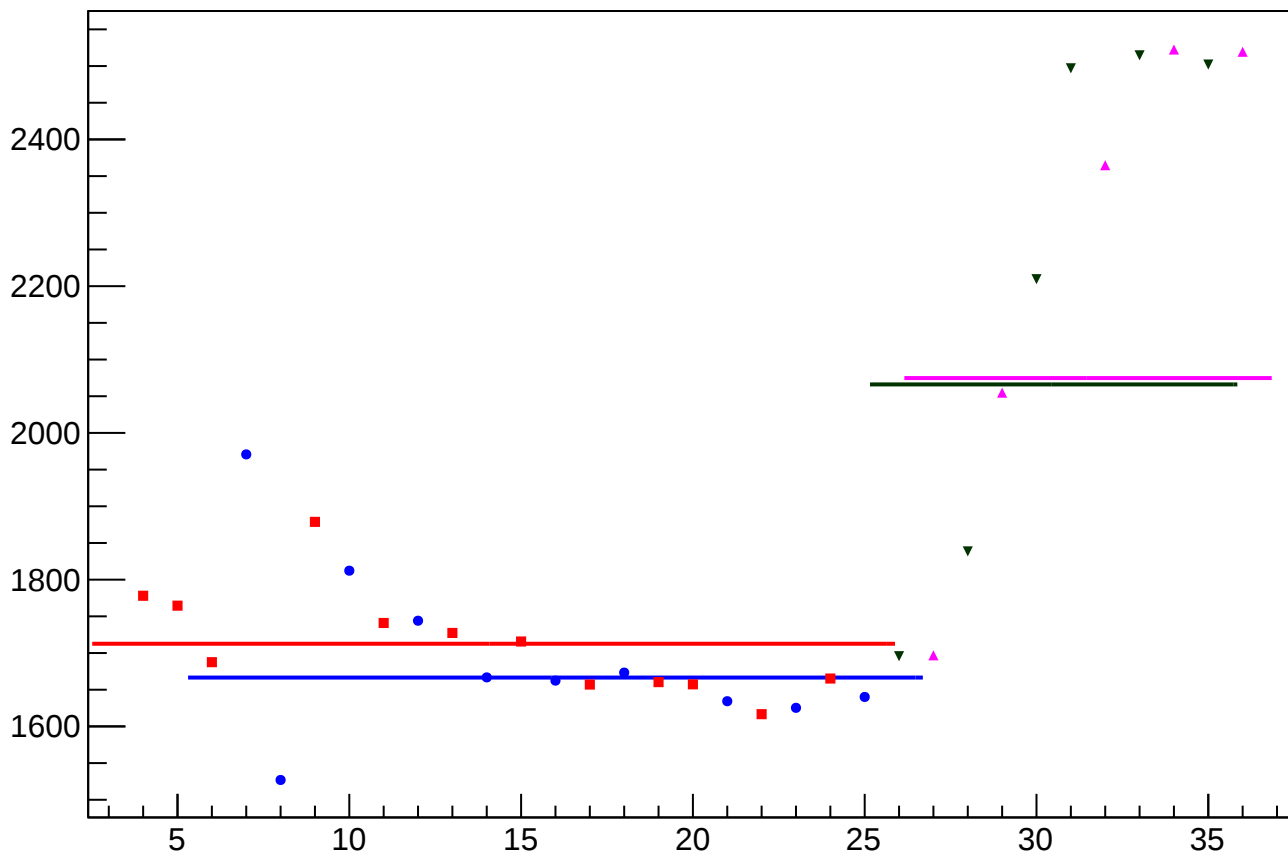
Right Out: 11.311 ± 0.677 χ^2/NDF : 73.1/11

Left In: -2.090 ± 1.107 χ^2/NDF : 56.8/4

15.299 ± 0.573 χ^2/NDF : 756.5/15

7.665 ± 0.578 χ^2/NDF : 236.6/16

diff_bpm0l06Y_rms vs slug



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

Left Out: 2066.090+/-0.831 χ^2/NDF : 160463.8/5

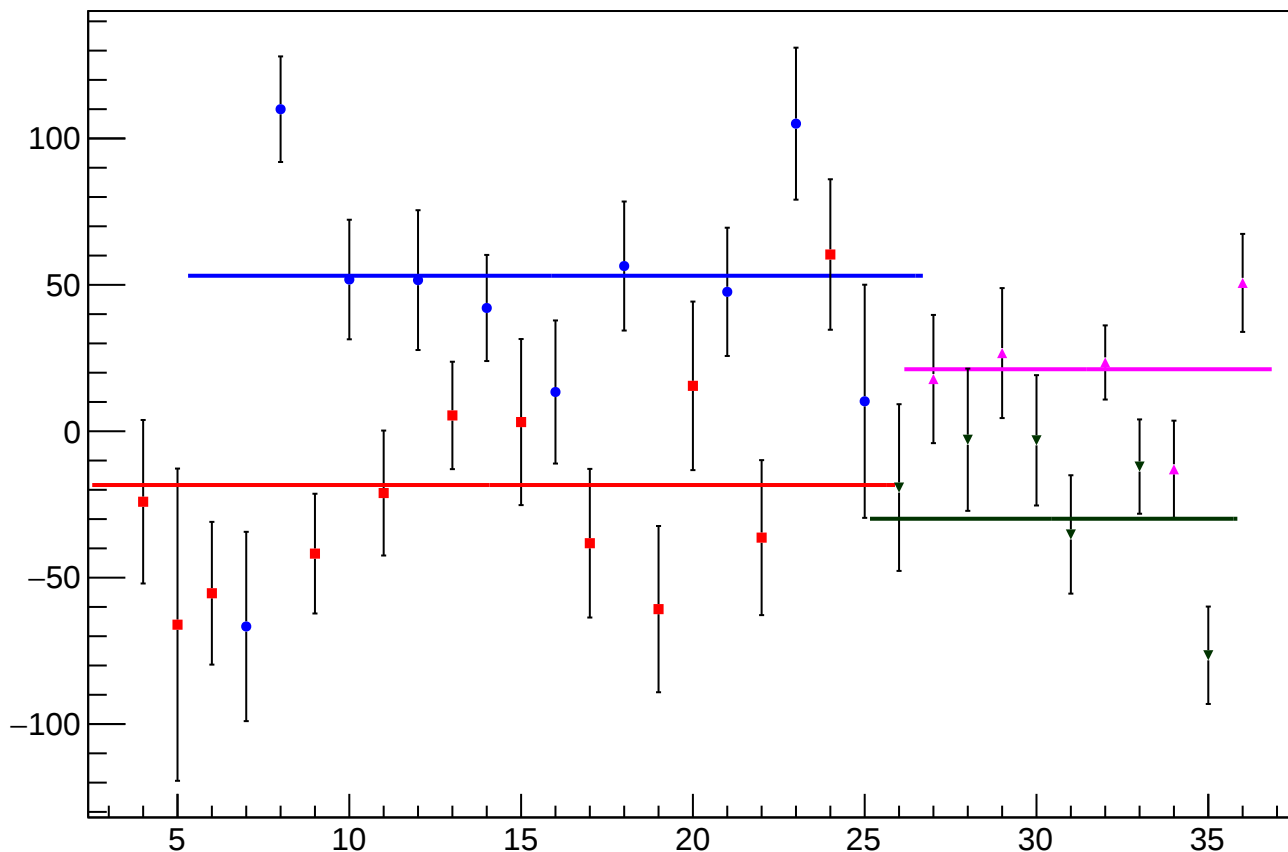
Right Out: 1712.647+/-0.479 χ^2/NDF : 21464.2/11

Left In: 2074.765+/-0.783 χ^2/NDF : 174589.1/4

1761.502+/-0.405 χ^2/NDF : 379267.2/15

1811.168+/-0.408 χ^2/NDF : 351778.1/16

diff_bpm0l07X_mean vs slug



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

Left Out: -29.880 $\pm$ 8.202 χ^2 /NDF: 12.0/5

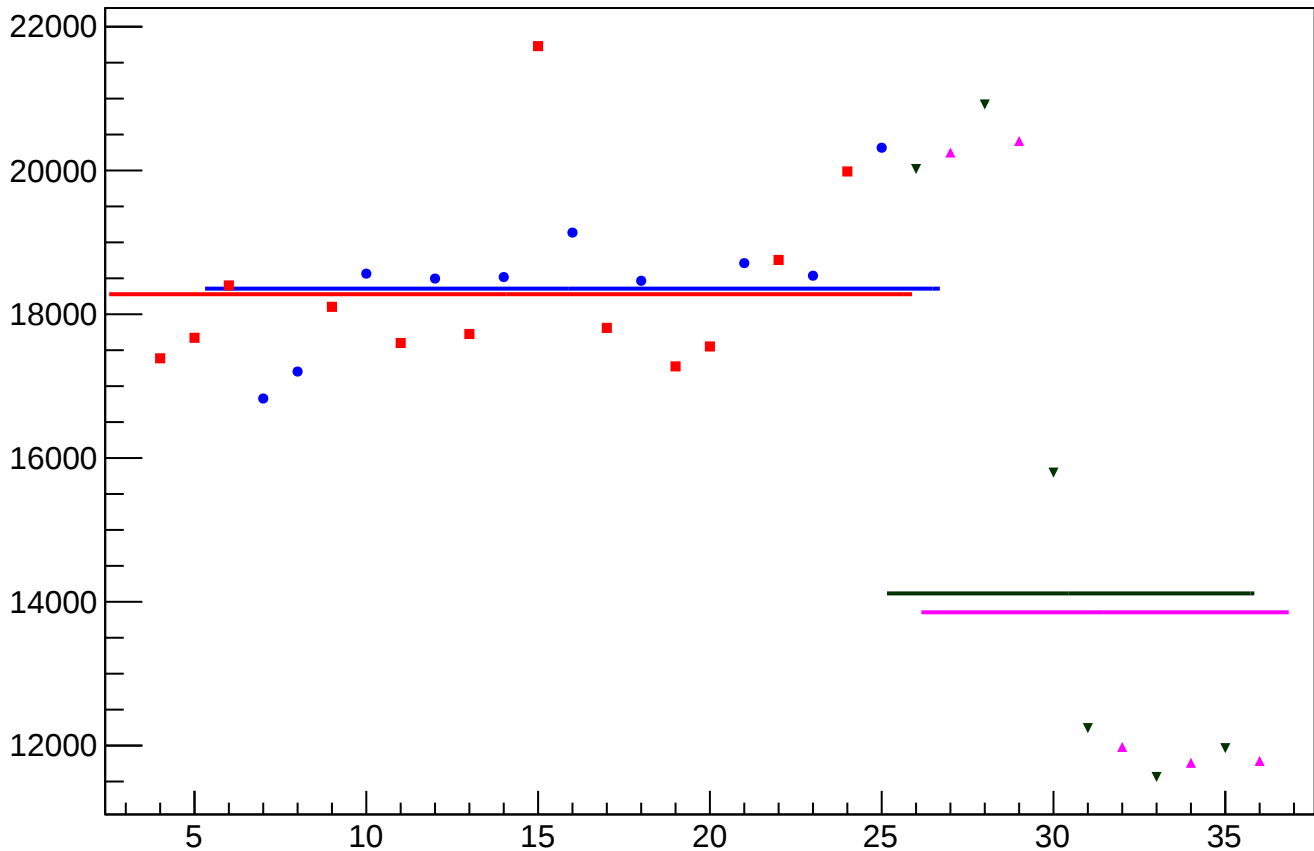
Right Out: -18.361 $\pm$ 7.243 χ^2 /NDF: 20.8/11

Left In: 21.181 $\pm$ 7.549 χ^2 /NDF: 7.5/4

16.859 $\pm$ 5.421 χ^2 /NDF: 101.6/15

0.591 $\pm$ 5.226 χ^2 /NDF: 42.5/16

diff_bpm0l07X_rms vs slug



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

Left Out: 14116.706+/-5.800 χ^2/NDF : 355251.8/5

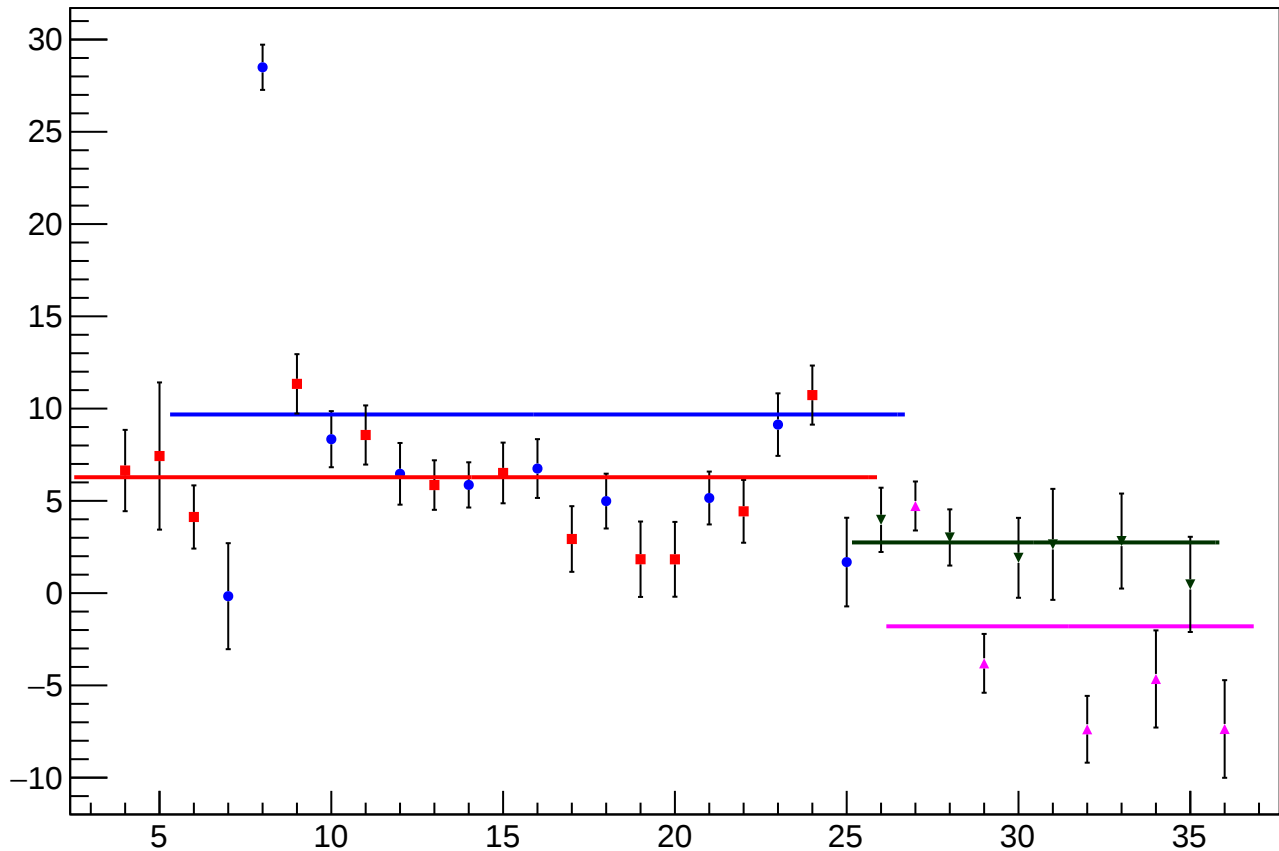
Right Out: 18278.807+/-5.121 χ^2/NDF : 49891.5/11

Left In: 13854.046+/-5.338 χ^2/NDF : 451272.2/4

16504.552+/-3.833 χ^2/NDF : 676867.4/15

16158.078+/-3.696 χ^2/NDF : 858949.0/16

diff_bpm0l07Y_mean vs slug



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

Left Out: 2.747 ± 0.849 χ^2/NDF : 1.5/5

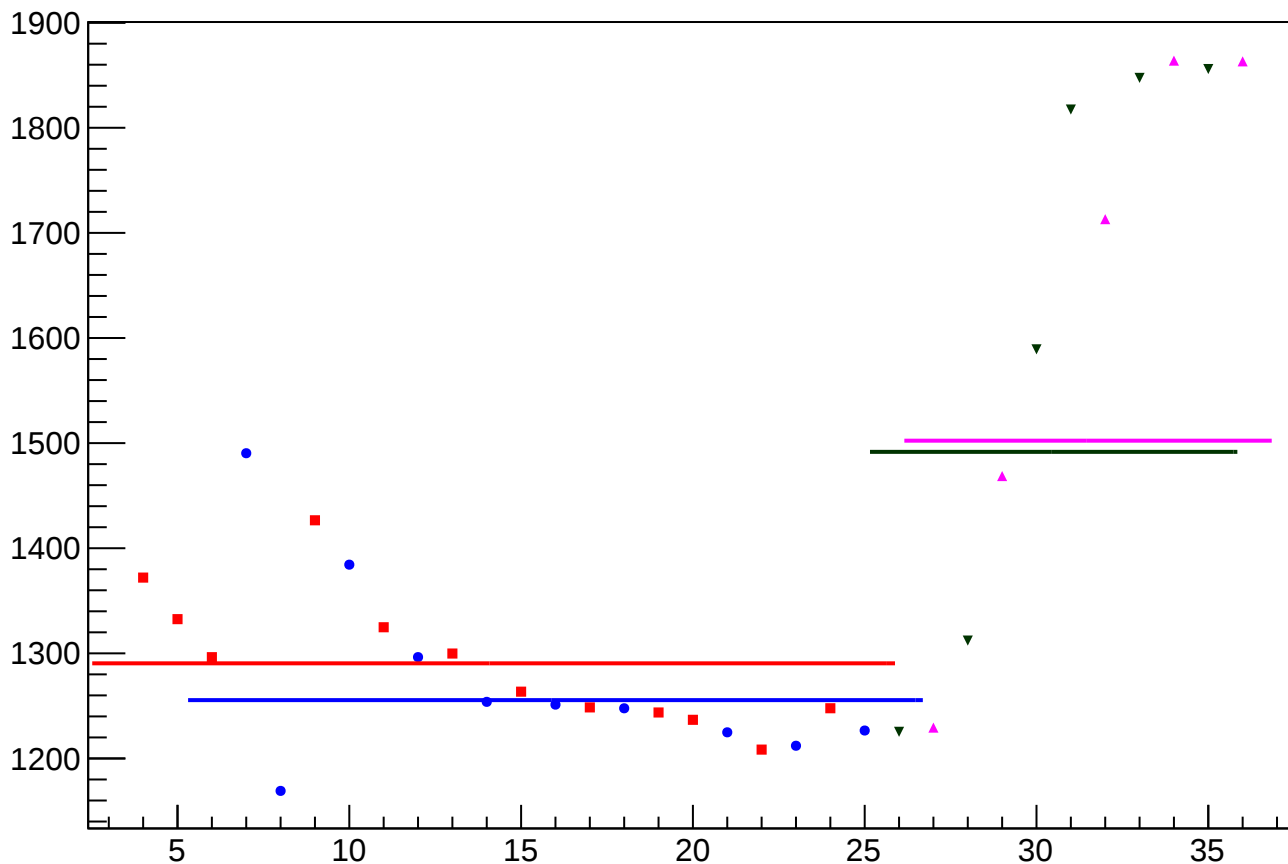
Right Out: 6.280 ± 0.510 χ^2/NDF : 35.7/11

Left In: -1.799 ± 0.802 χ^2/NDF : 40.8/4

7.929 ± 0.427 χ^2/NDF : 347.5/15

3.955 ± 0.430 χ^2/NDF : 148.7/16

diff_bpm0l07Y_rms vs slug



Right In: 1255.503 $\pm$ 0.349 χ^2 /NDF: 41466.5/9

Left Out: 1491.688 $\pm$ 0.601 χ^2 /NDF:180169.9/5

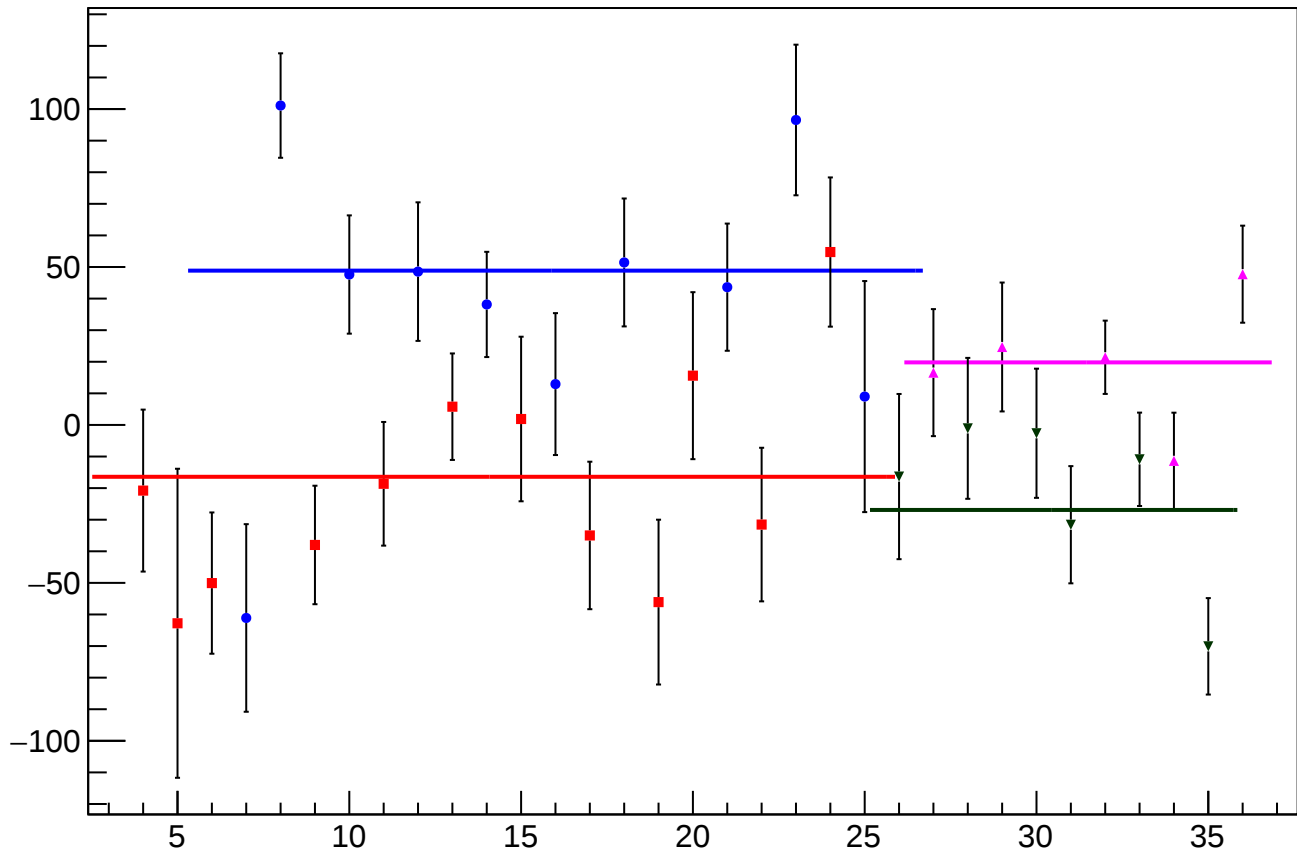
Right Out: 1290.505 $\pm$ 0.361 χ^2 /NDF: 28459.4/11

Left In: 1502.323 $\pm$ 0.567 χ^2 /NDF:187499.8/4

1315.175 $\pm$ 0.302 χ^2 /NDF: 337199.6/15

1351.470 $\pm$ 0.304 χ^2 /NDF: 315221.4/16

diff_bpm0l08X_mean vs slug



Right In: 48.850 ± 6.634 χ^2/NDF : 31.9/9

Left Out: -26.911 ± 7.530 χ^2/NDF : 12.1/5

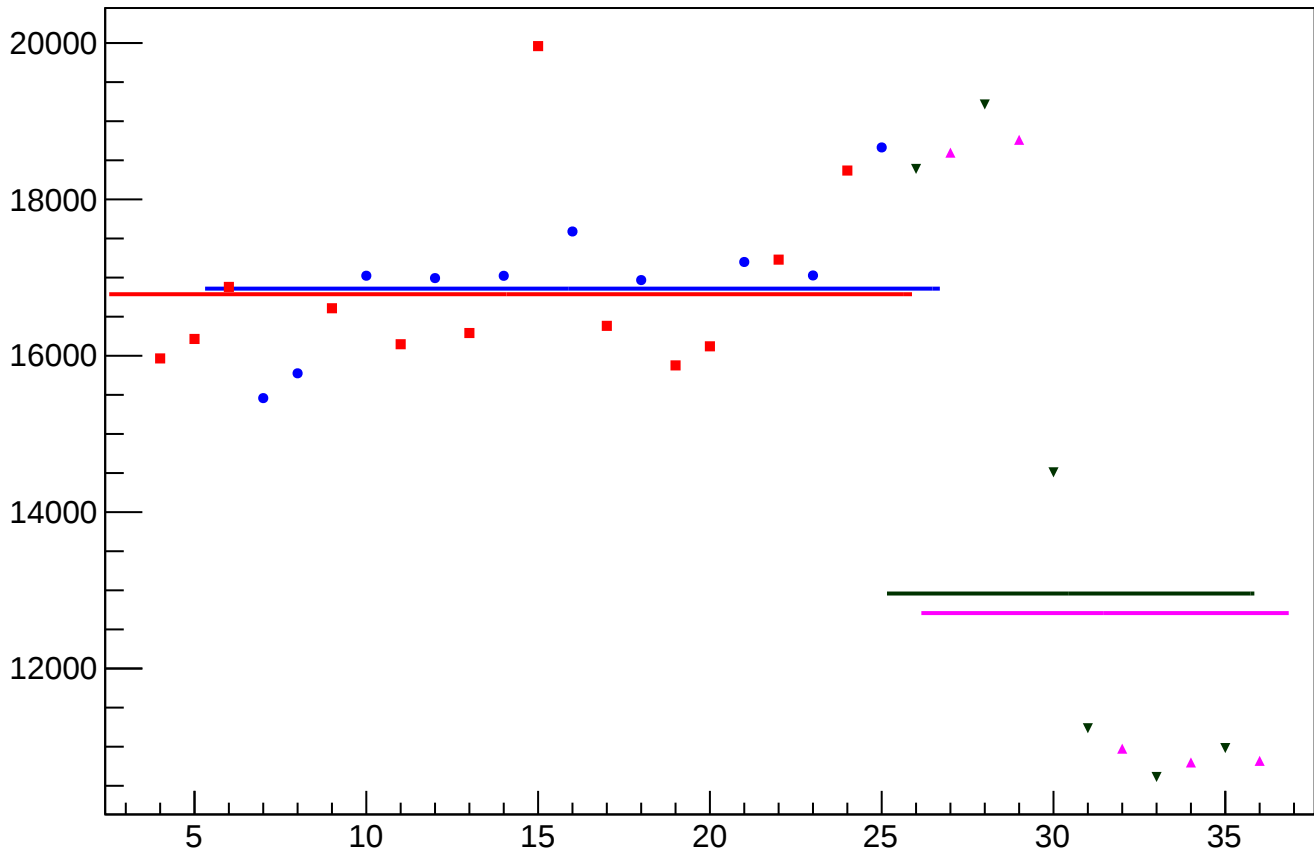
Right Out: -16.413 ± 6.651 χ^2/NDF : 20.6/11

Left In: 19.802 ± 6.926 χ^2/NDF : 7.6/4

15.745 ± 4.978 χ^2/NDF : 101.1/15

0.961 ± 4.798 χ^2/NDF : 42.4/16

diff_bpm0l08X_rms vs slug



Right In: 16858.609 ± 4.691 χ^2/NDF : 21176.8/9

Left Out: 12959.138 ± 5.325 χ^2/NDF : 356179.8/5

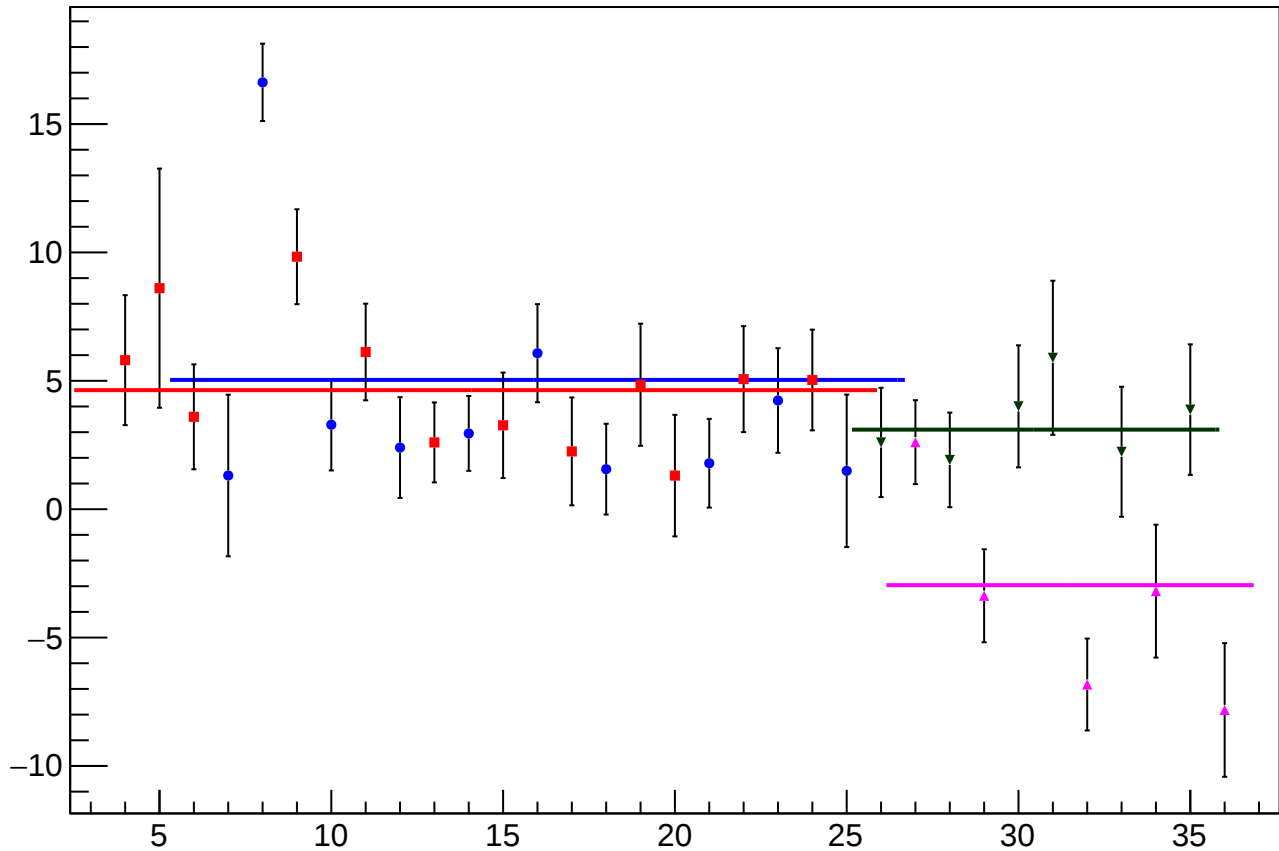
15154.667 ± 3.520 χ^2/NDF : 679306.2/15

Right Out: 16787.169 ± 4.703 χ^2/NDF : 50027.0/11

14830.584 ± 3.392 χ^2/NDF : 864695.1/16

Left In: 12708.909 ± 4.898 χ^2/NDF : 453947.6/4

diff_bpm0l08Y_mean vs slug



Right In: 5.036 ± 0.590 χ^2/NDF : 74.6/9

Left Out: 3.099 ± 0.947 χ^2/NDF : 1.7/5

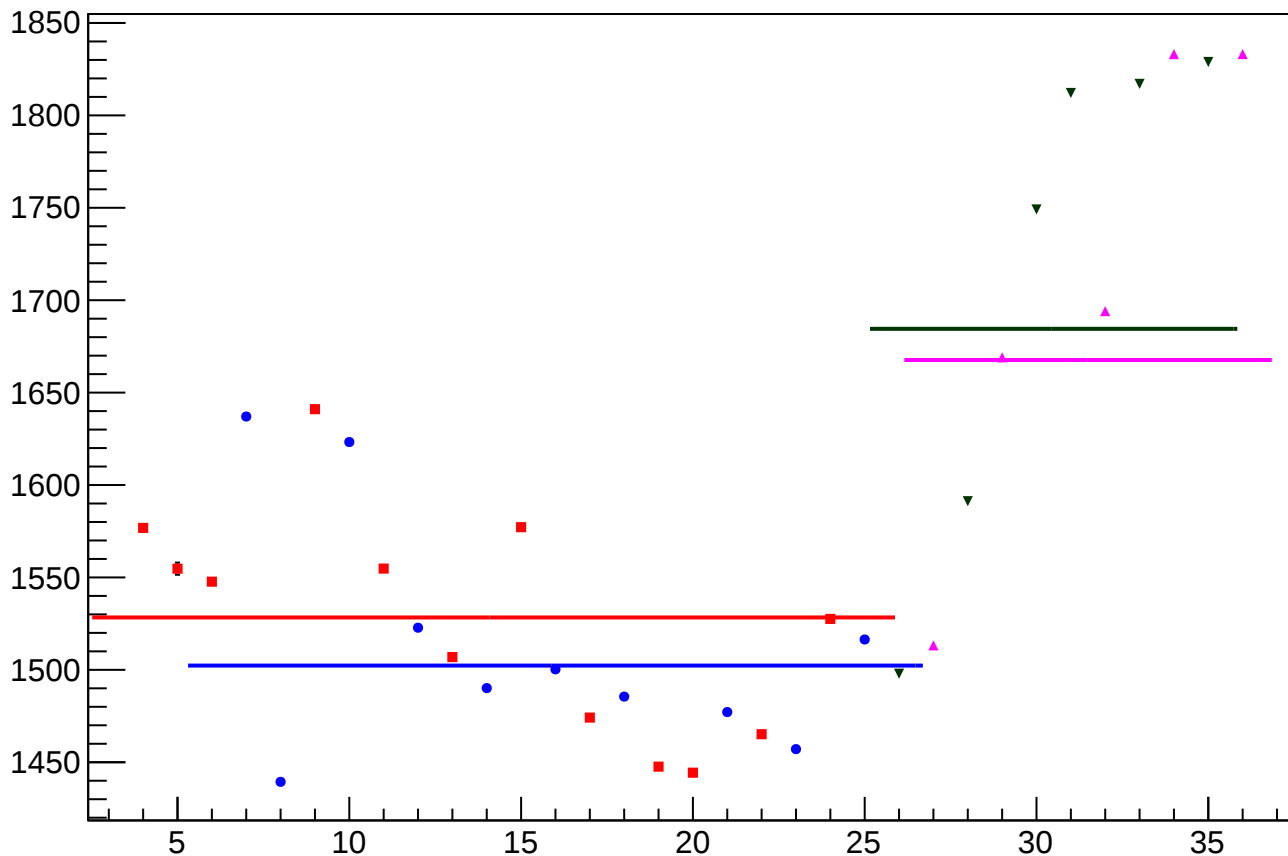
Right Out: 4.636 ± 0.604 χ^2/NDF : 15.2/11

Left In: -2.958 ± 0.881 χ^2/NDF : 19.8/4

4.494 ± 0.501 χ^2/NDF : 79.3/15

2.209 ± 0.498 χ^2/NDF : 85.6/16

diff_bpm0l08Y_rms vs slug



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

Left Out: 1684.511+/-0.670 χ^2/NDF : 37522.5/5

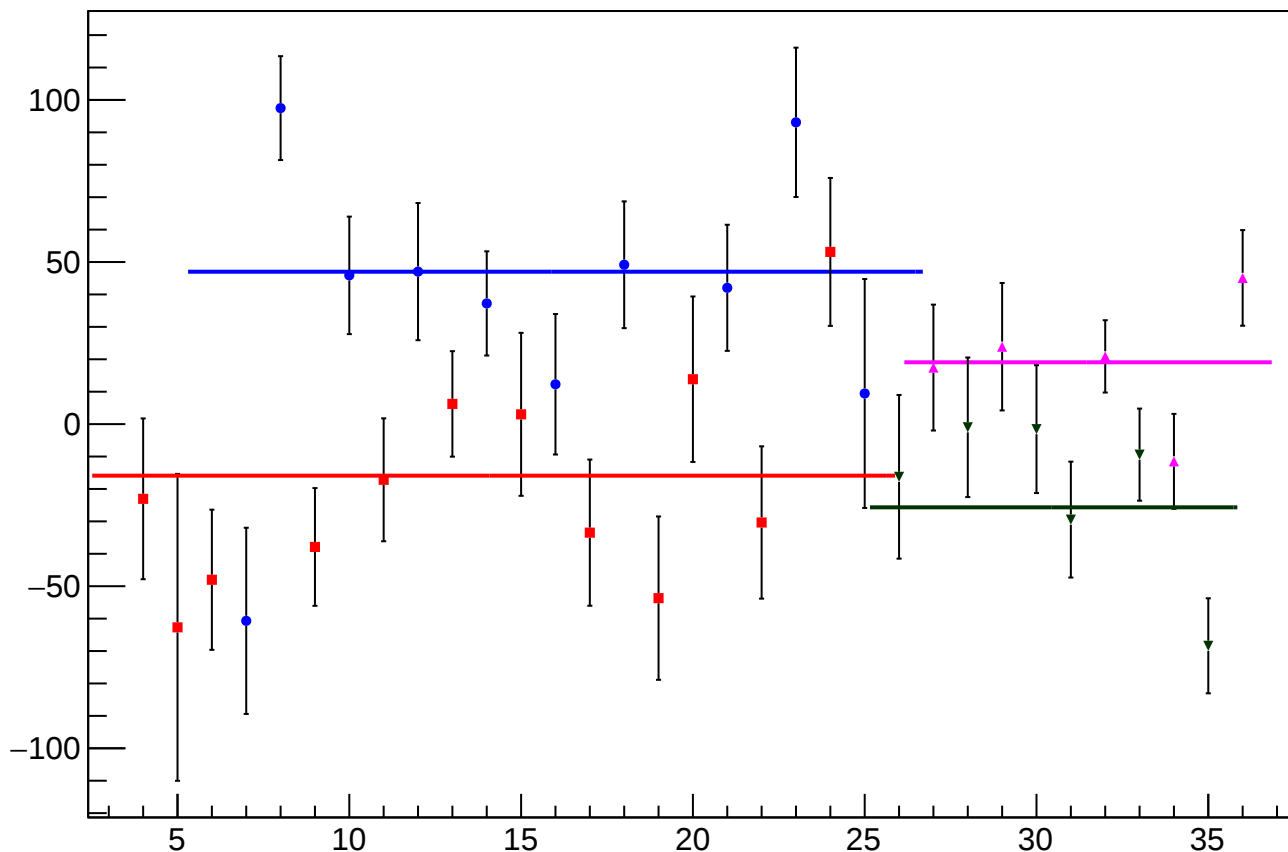
Right Out: 1528.347+/-0.427 χ^2/NDF : 18336.6/11

Left In: 1667.651+/-0.623 χ^2/NDF : 34562.1/4

1553.249+/-0.354 χ^2/NDF : 109183.7/15

1572.863+/-0.352 χ^2/NDF : 86920.6/16

diff_bpm0l09X_mean vs slug



Right In: 47.015 ± 6.411 $\chi^2/\text{NDF}: 32.1/9$

Left Out: -25.669 ± 7.248 $\chi^2/\text{NDF}: 12.8/5$

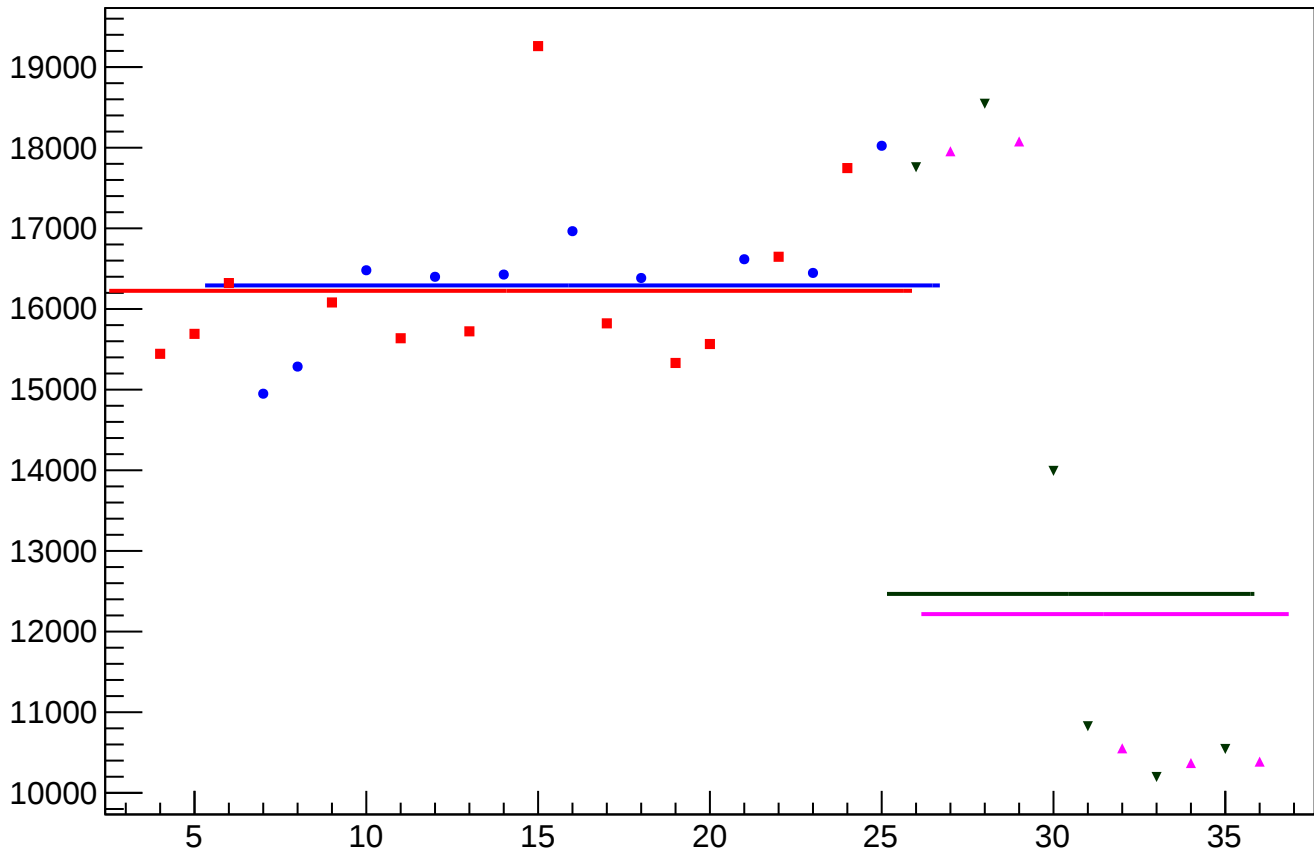
Right Out: -15.898 ± 6.429 $\chi^2/\text{NDF}: 20.9/11$

Left In: 19.070 ± 6.661 $\chi^2/\text{NDF}: 7.6/4$

15.110 ± 4.802 $\chi^2/\text{NDF}: 101.4/15$

0.966 ± 4.626 $\chi^2/\text{NDF}: 42.7/16$

diff_bpm0l09X_rms vs slug



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

Left Out: 12467.048+/-5.125 χ^2/NDF : 361522.3/5

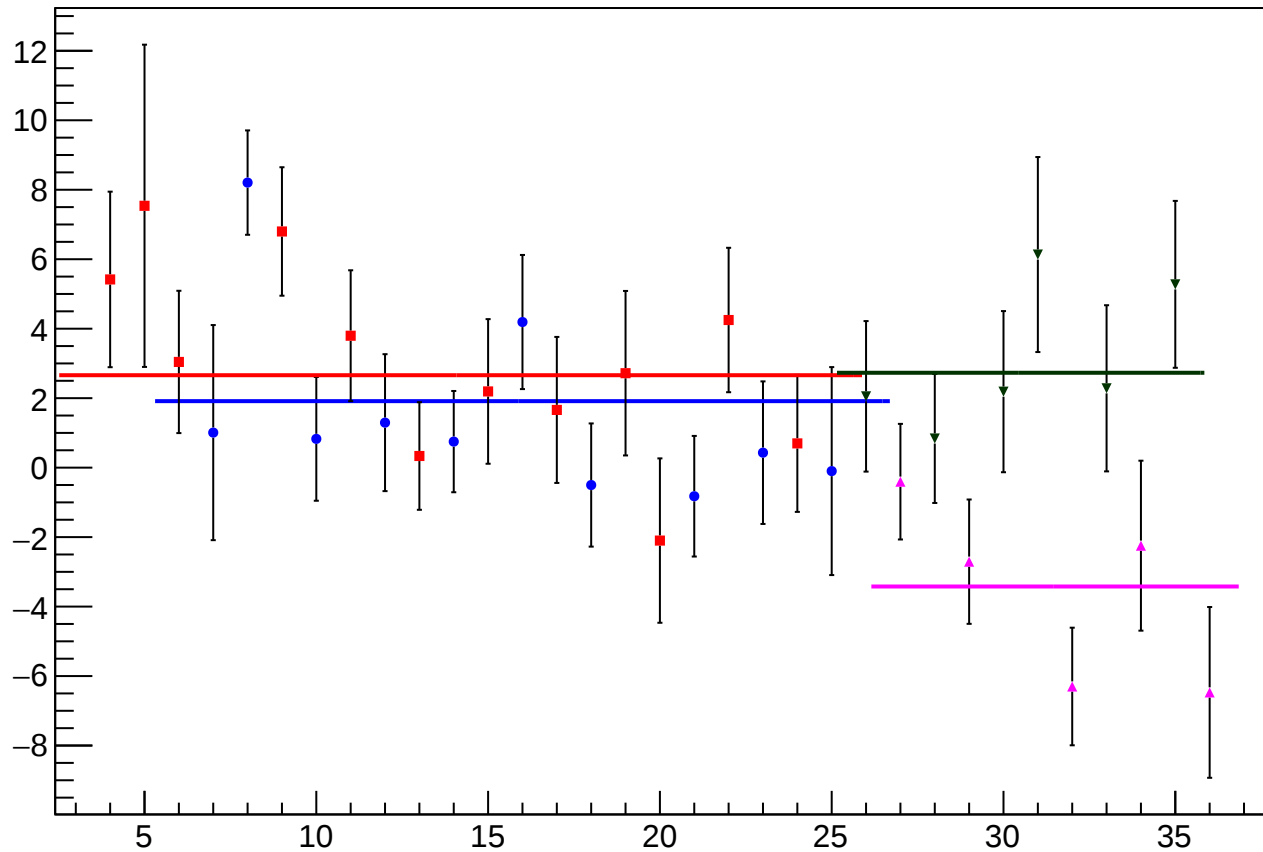
Right Out: 16225.365+/-4.546 χ^2/NDF : 49424.2/11

Left In: 12216.616+/-4.710 χ^2/NDF : 459675.6/4

14613.131+/-3.395 χ^2/NDF : 694169.8/15

14292.105+/-3.271 χ^2/NDF : 884150.1/16

diff_bpm0l09Y_mean vs slug



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

Left Out: 2.731 ± 0.927 $\chi^2/\text{NDF}: 3.8/5$

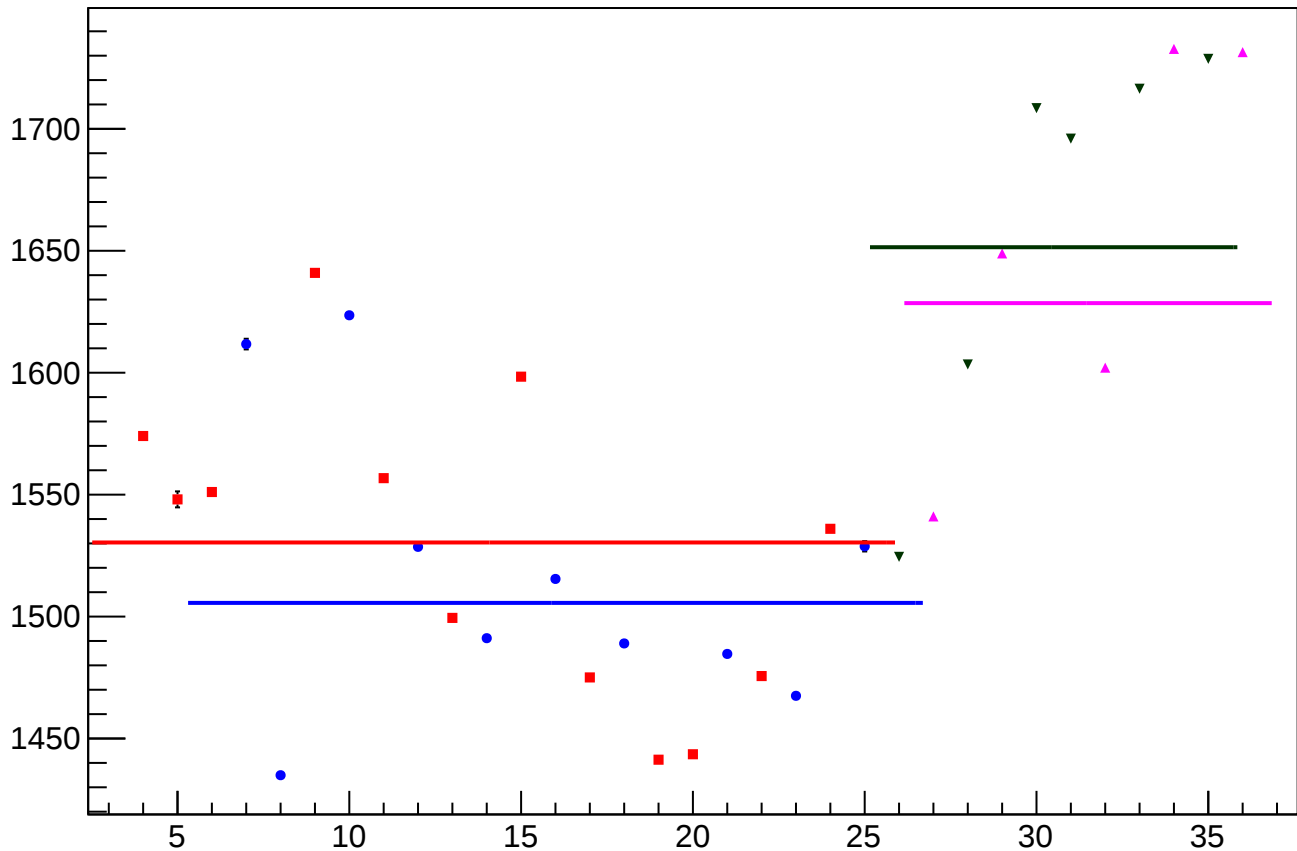
Right Out: 2.661 ± 0.605 $\chi^2/\text{NDF}: 15.9/11$

Left In: -3.422 ± 0.859 $\chi^2/\text{NDF}: 8.1/4$

2.151 ± 0.499 $\chi^2/\text{NDF}: 29.8/15$

0.646 ± 0.494 $\chi^2/\text{NDF}: 57.5/16$

diff_bpm0l09Y_rms vs slug



Right In: 1505.616 ± 0.418 χ^2/NDF : 17340.1/9

Left Out: 1651.461 ± 0.655 χ^2/NDF : 13464.7/5

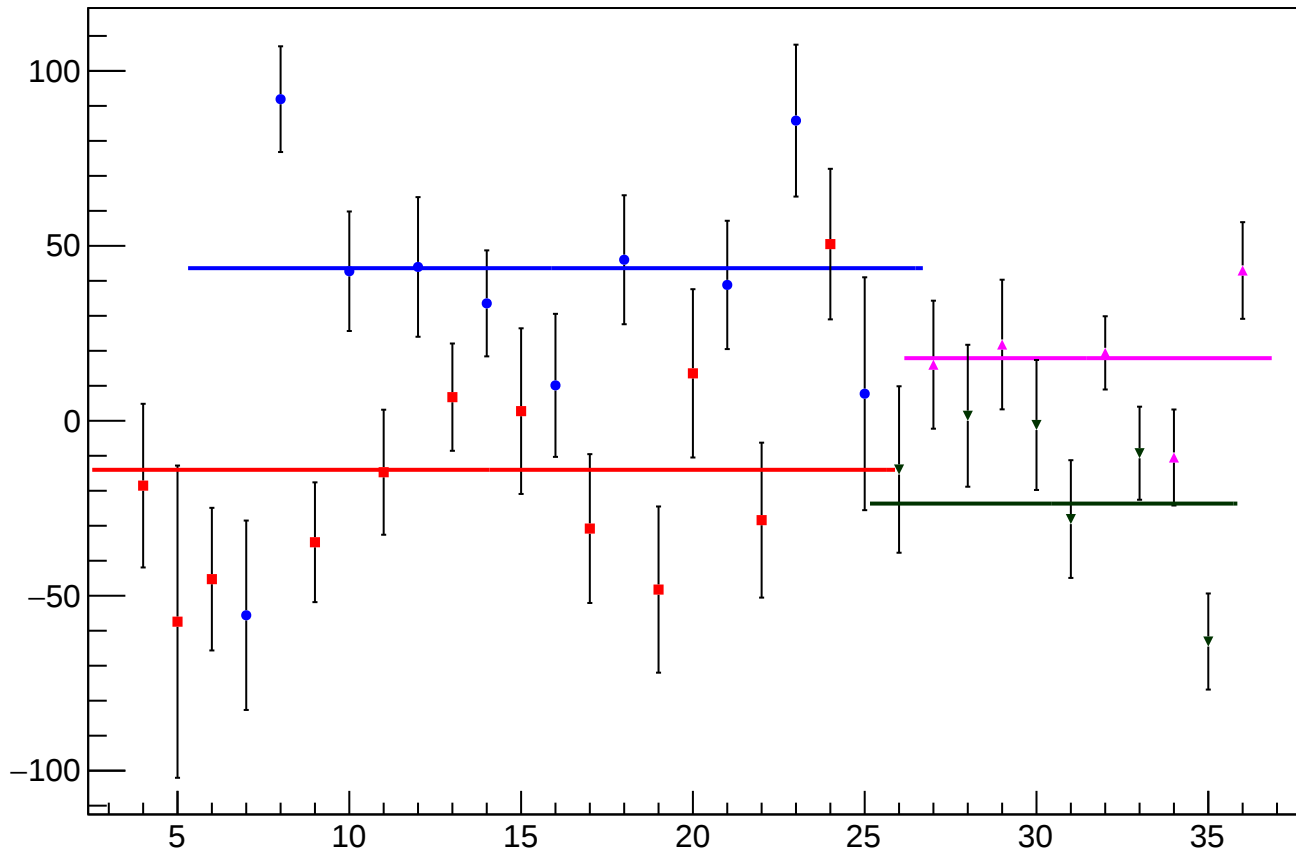
Right Out: 1530.389 ± 0.428 χ^2/NDF : 19618.0/11

Left In: 1628.536 ± 0.607 χ^2/NDF : 13410.5/4

1547.829 ± 0.353 χ^2/NDF : 65992.5/15

1562.902 ± 0.350 χ^2/NDF : 50484.4/16

diff_bpm0l10X_mean vs slug



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

Left Out: -23.662 ± 6.807 $\chi^2/\text{NDF}: 12.6/5$

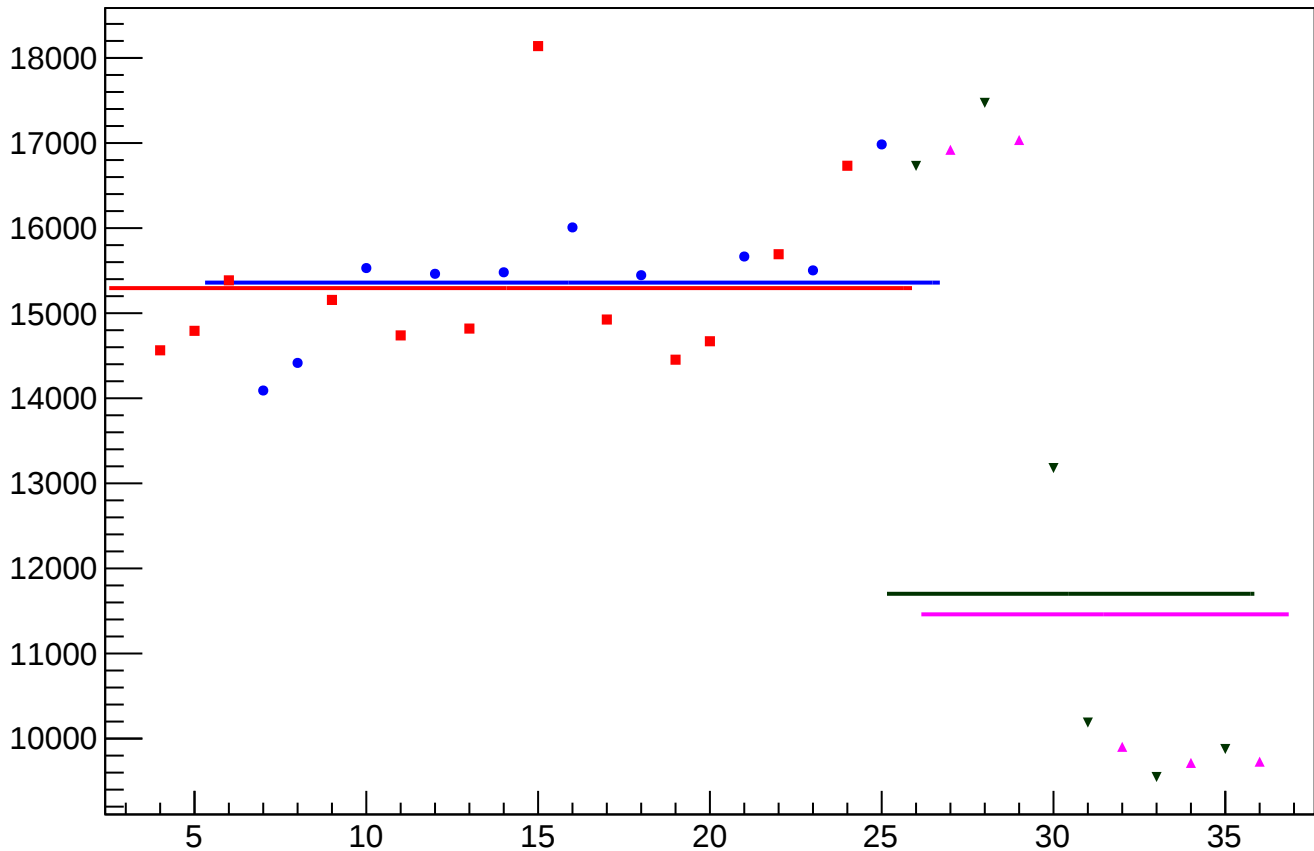
Right Out: -14.010 ± 6.060 $\chi^2/\text{NDF}: 20.6/11$

Left In: 17.899 ± 6.252 $\chi^2/\text{NDF}: 7.6/4$

13.959 ± 4.519 $\chi^2/\text{NDF}: 99.1/15$

1.446 ± 4.351 $\chi^2/\text{NDF}: 41.6/16$

diff_bpm0l10X_rms vs slug



Right In: 15359.560+/-4.274 χ^2/NDF : 20044.9/9

Left Out: 11701.899+/-4.813 χ^2/NDF :367795.7/5

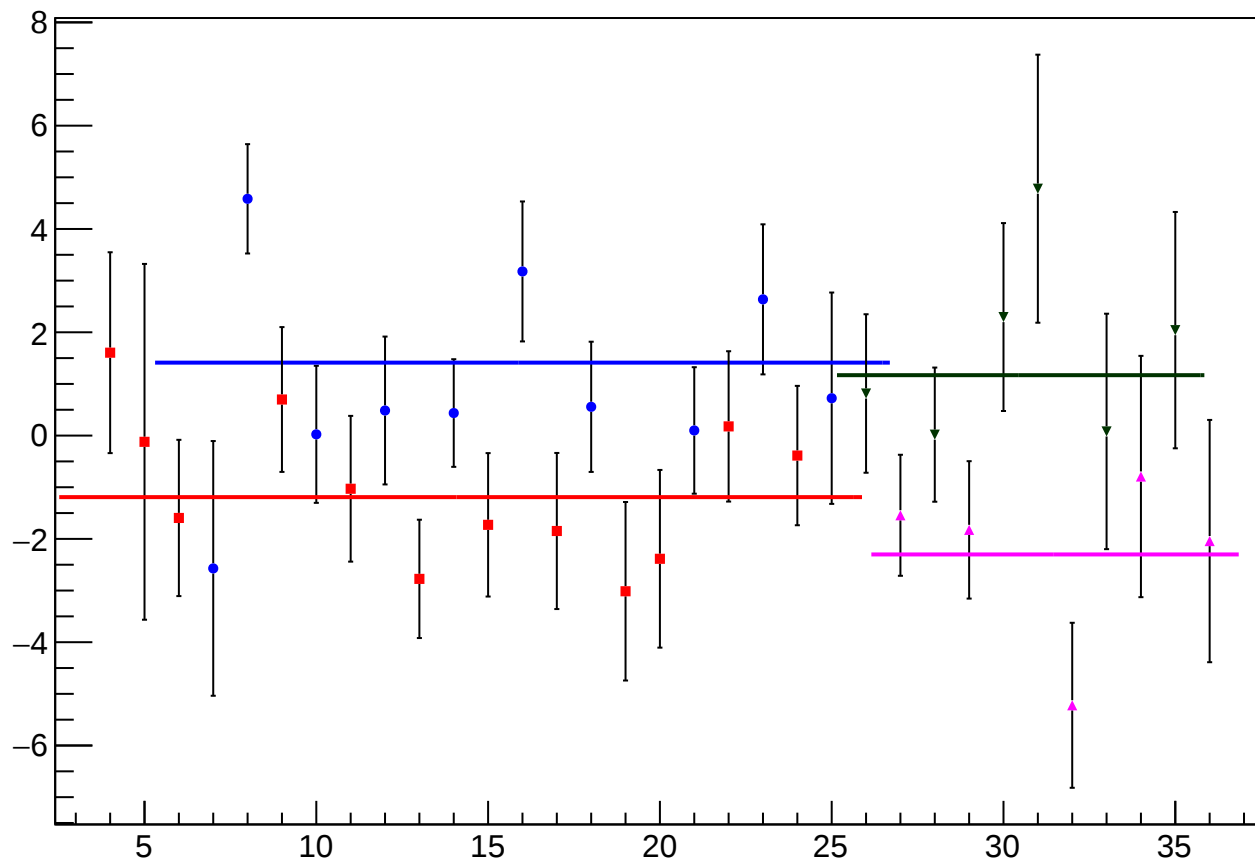
Right Out: 15294.772+/-4.285 χ^2/NDF : 49160.5/11

Left In: 11460.325+/-4.421 χ^2/NDF :467418.2/4

13747.123+/-3.196 χ^2/NDF : 710768.1/15

13437.451+/-3.077 χ^2/NDF : 904463.7/16

diff_bpm0l10Y_mean vs slug



Right In: 1.412 ± 0.423 χ^2/NDF : 18.1/9

Left Out: 1.170 ± 0.735 χ^2/NDF : 3.5/5

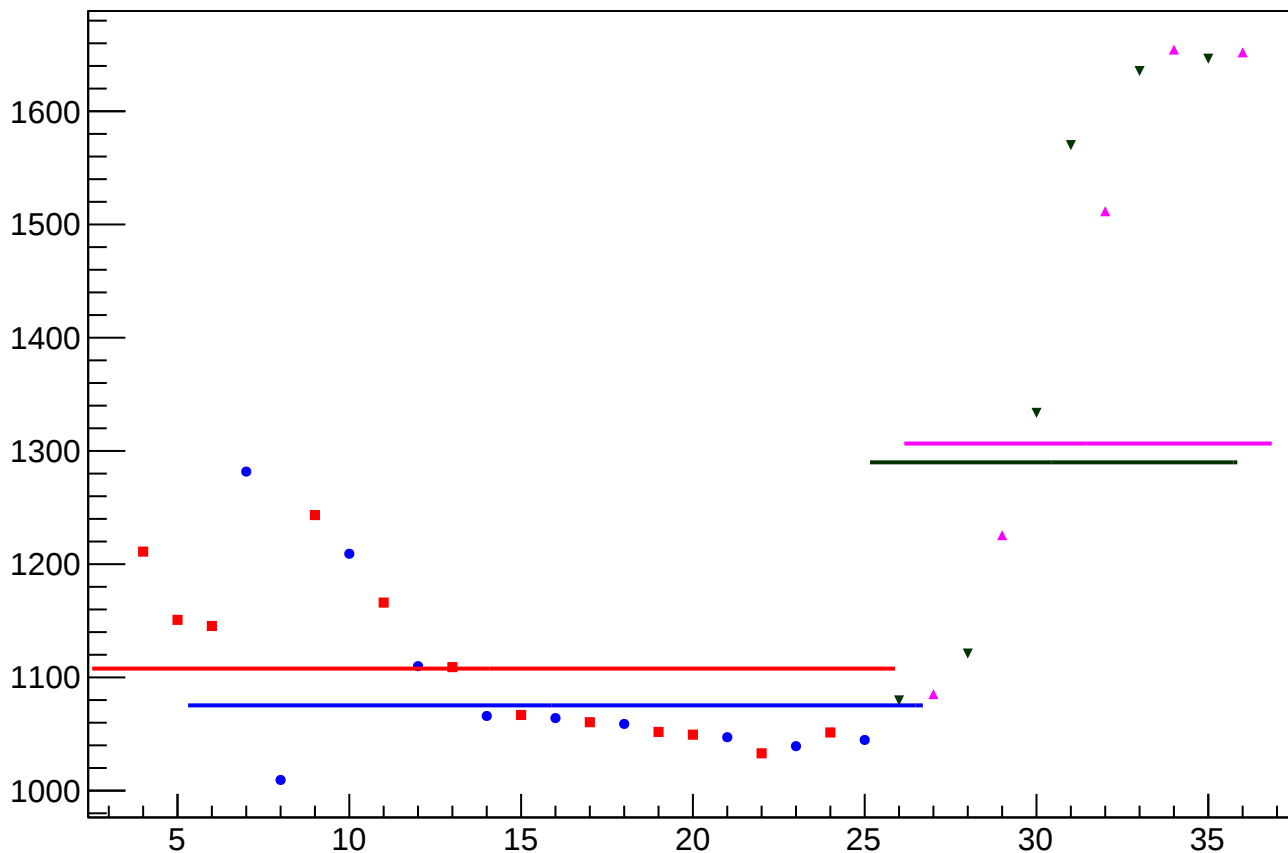
Right Out: -1.191 ± 0.438 χ^2/NDF : 9.1/11

Left In: -2.301 ± 0.698 χ^2/NDF : 4.3/4

1.352 ± 0.367 χ^2/NDF : 21.7/15

-1.505 ± 0.371 χ^2/NDF : 15.3/16

diff_bpm0l10Y_rms vs slug



Right In: 1075.302 $\pm$ 0.299 χ^2 /NDF: 46677.3/9

Left Out: 1289.926 $\pm$ 0.520 χ^2 /NDF:190376.7/5

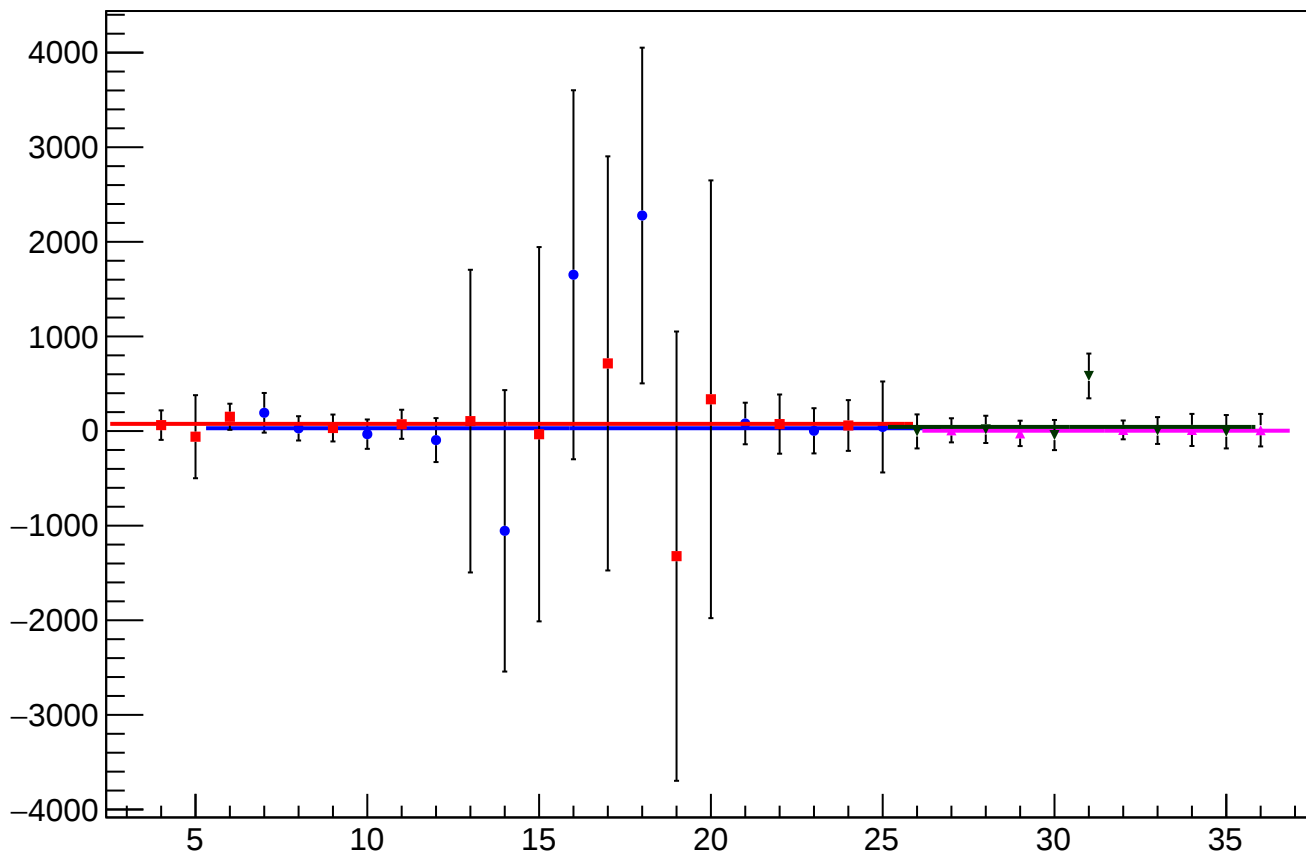
Right Out: 1107.774 $\pm$ 0.310 χ^2 /NDF: 46212.9/11

Left In: 1306.553 $\pm$ 0.494 χ^2 /NDF:199543.1/4

1128.722 $\pm$ 0.259 χ^2 /NDF: 365209.9/15

1163.912 $\pm$ 0.262 χ^2 /NDF: 362051.7/16

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs slug



Right In: 29.643+/-73.127 χ^2/NDF : 4.0/9

Left Out: 43.680+/-67.695 χ^2/NDF : 5.7/5

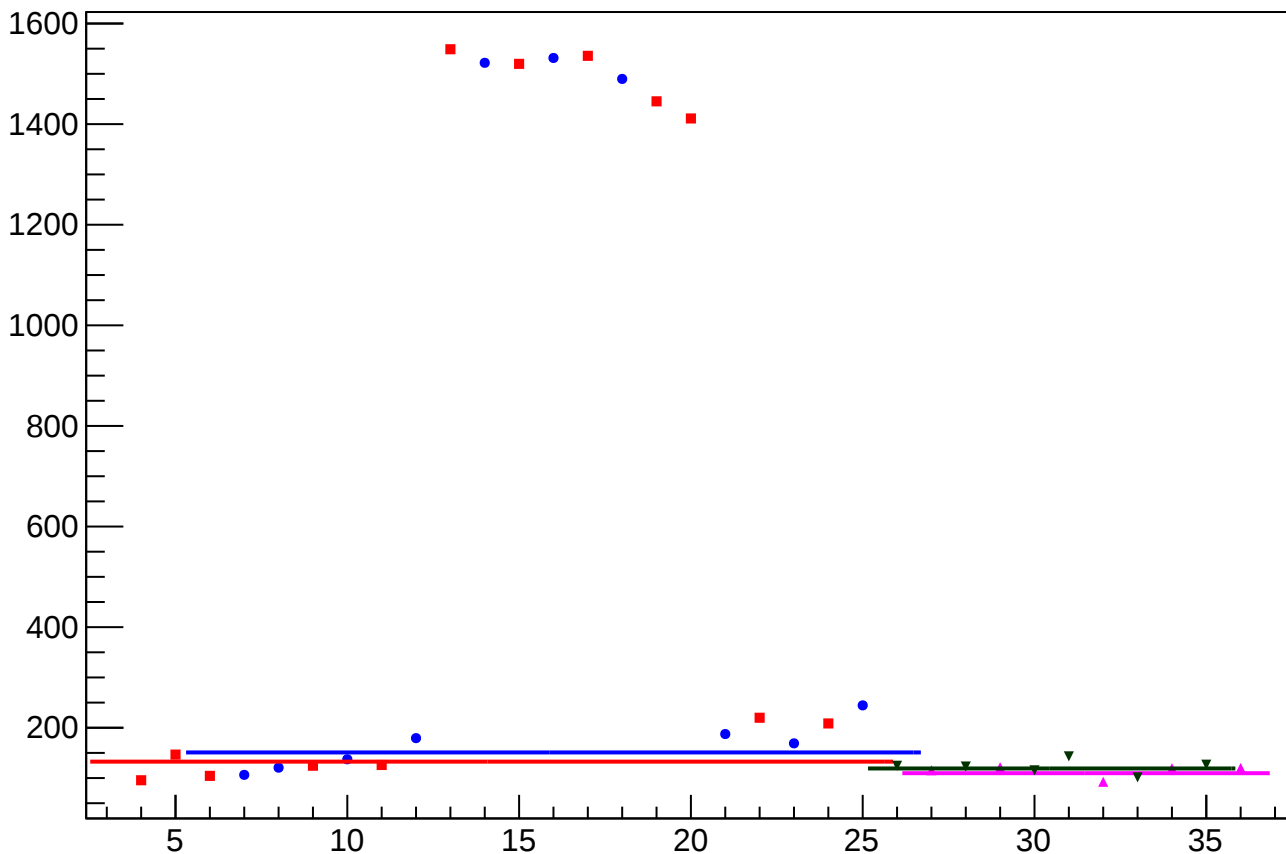
Right Out: 75.901+/-68.054 χ^2/NDF : 0.9/11

Left In: 3.621+/-59.013 χ^2/NDF : 0.1/4

37.202+/-49.677 χ^2/NDF : 9.7/15

34.645+/-44.585 χ^2/NDF : 1.6/16

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: 119.057+/-0.048 χ^2/NDF : 59744.5/5

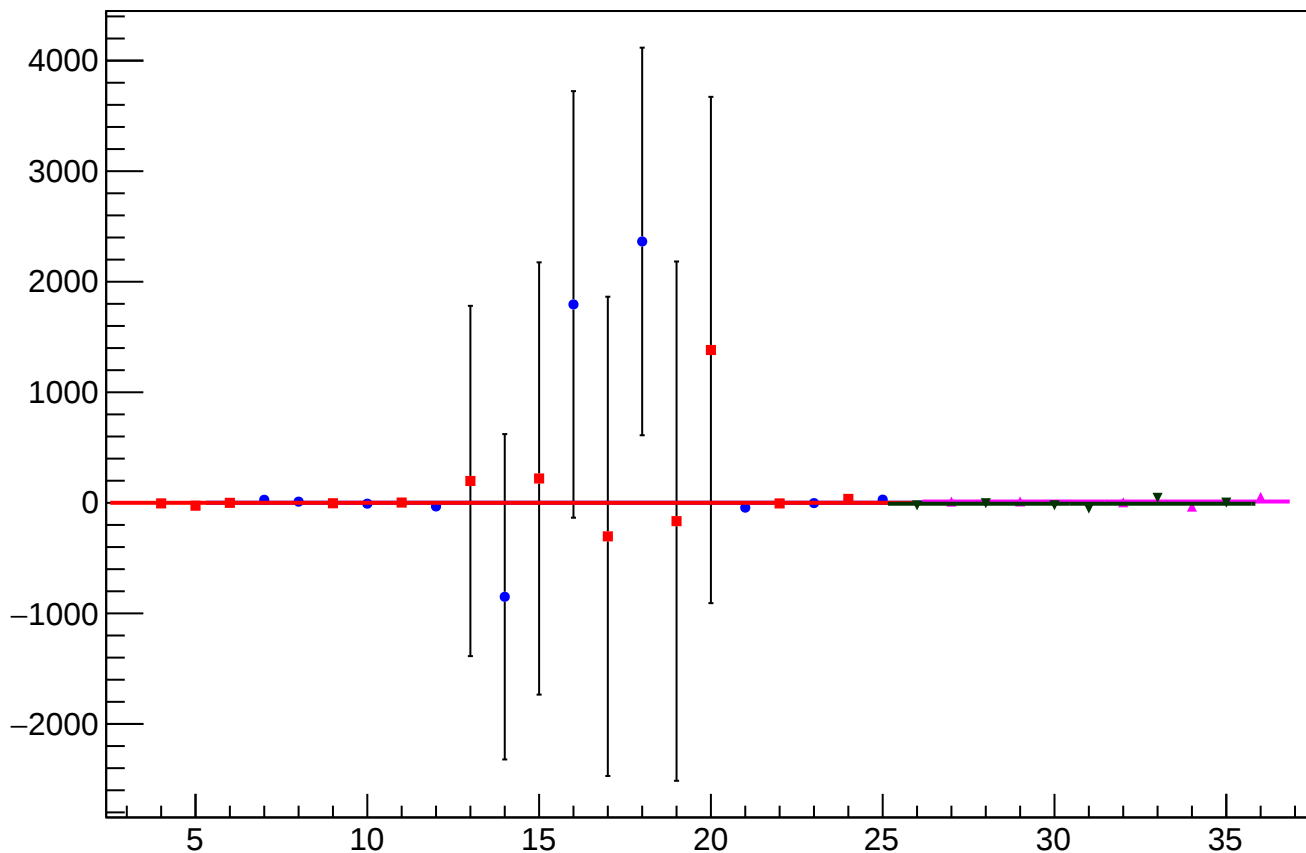
Right Out: 132.646+/-0.048 χ^2/NDF : 5120067.3/11

Left In: 109.675+/-0.042 χ^2/NDF : 93334.6/4

133.764+/-0.035 χ^2/NDF : 4494339.7/15

119.534+/-0.032 χ^2/NDF : 5343469.1/16

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: -8.096+/-9.753 χ^2/NDF : 6.9/5

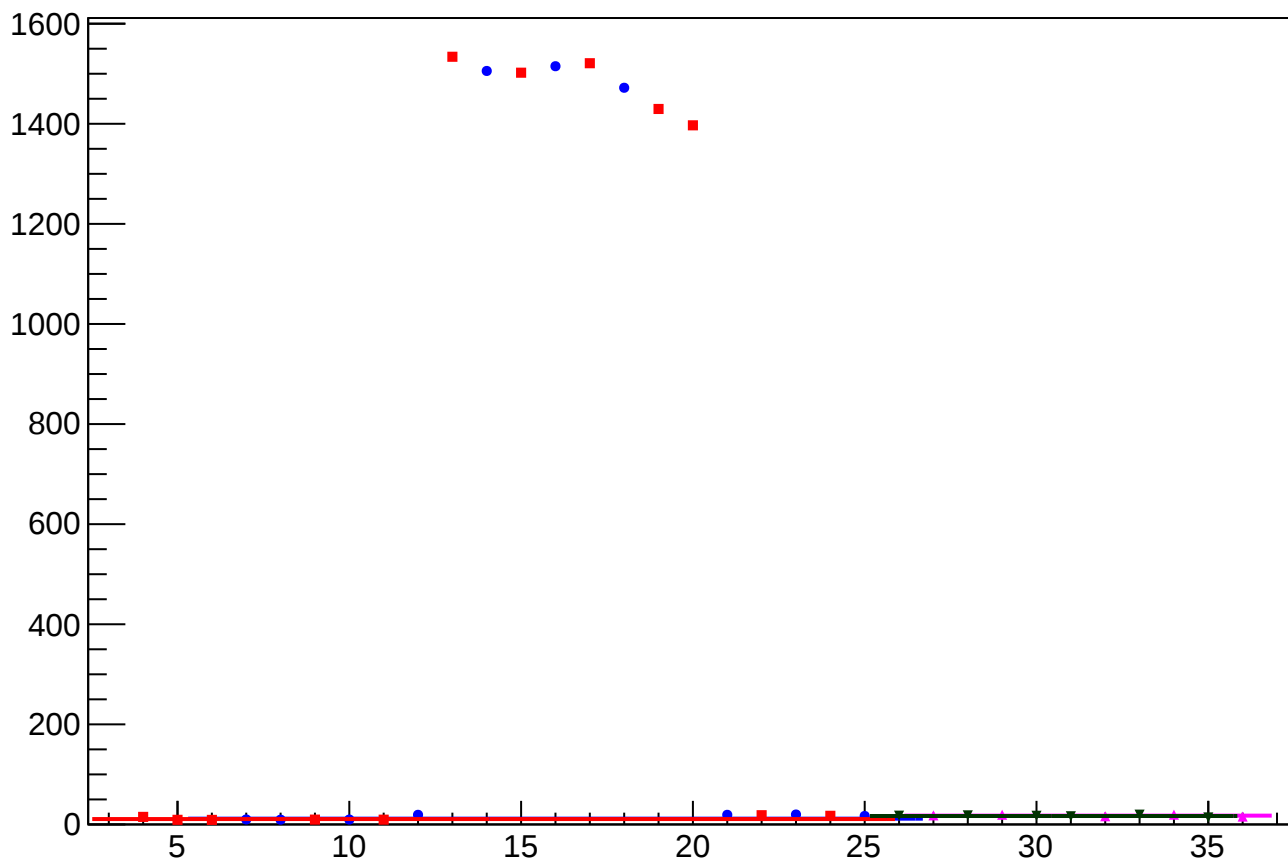
Right Out: 0.325+/-5.882 χ^2/NDF : 4.0/11

Left In: 11.939+/-9.590 χ^2/NDF : 6.0/4

-1.649+/-5.231 χ^2/NDF : 19.3/15

3.500+/-5.014 χ^2/NDF : 11.0/16

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: 16.885+/-0.007 χ^2/NDF : 69433.1/5

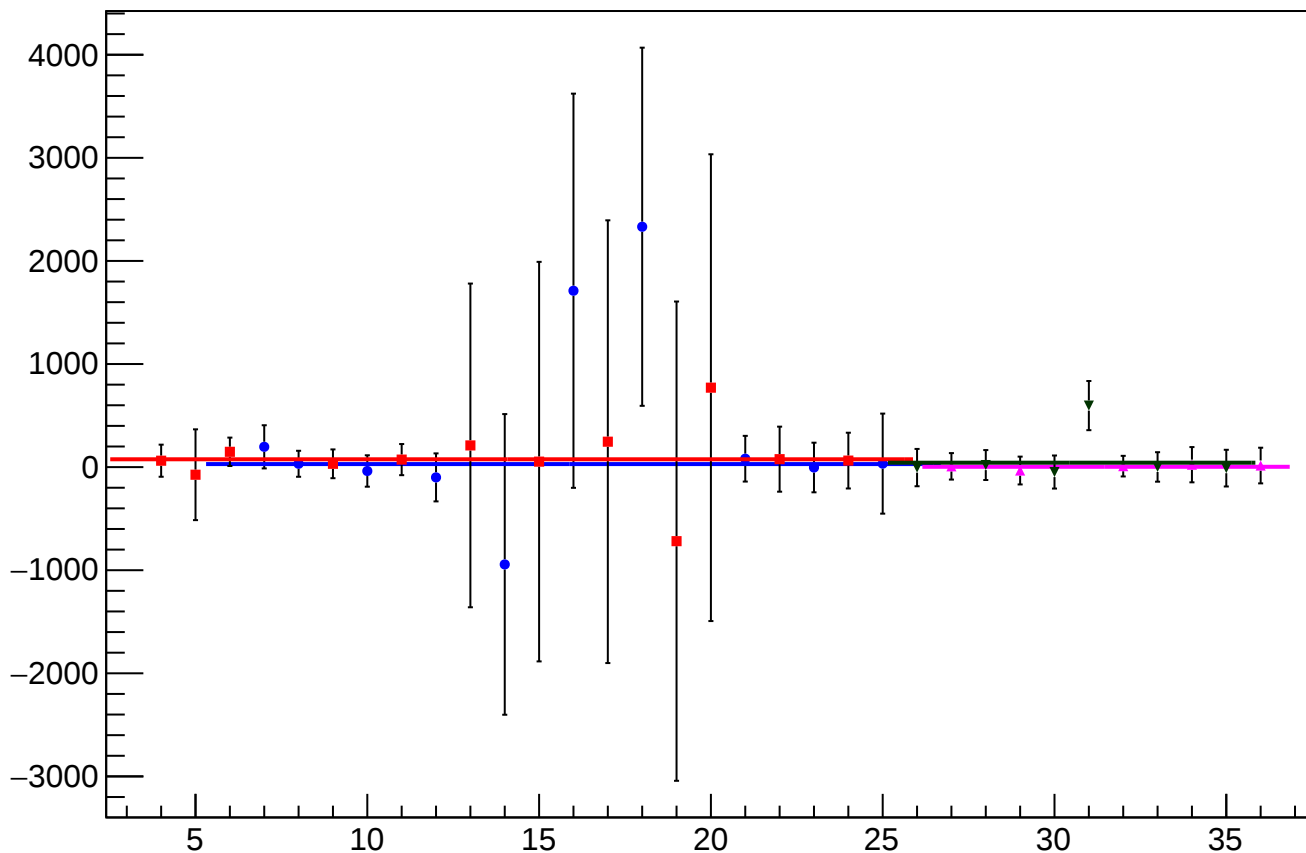
Right Out: 10.792+/-0.004 χ^2/NDF : 5922898.5/11

Left In: 17.628+/-0.007 χ^2/NDF : 46206.4/4

13.088+/-0.004 χ^2/NDF : 5862969.6/15

12.661+/-0.004 χ^2/NDF : 6707613.0/16

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: 42.974+/-68.209 χ^2/NDF : 6.0/5

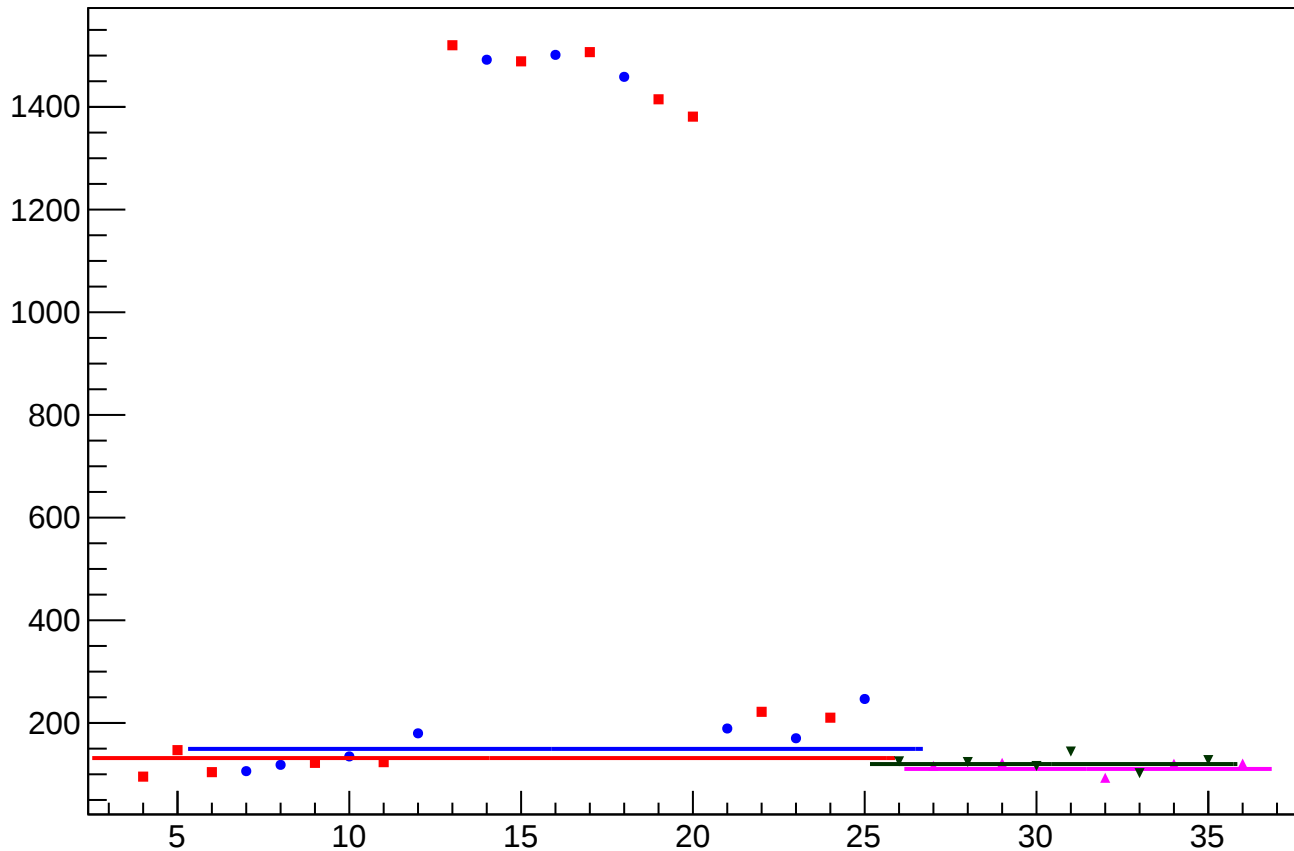
Right Out: 76.035+/-67.528 χ^2/NDF : 0.7/11

Left In: 3.174+/-59.422 χ^2/NDF : 0.1/4

36.641+/-49.684 χ^2/NDF : 10.2/15

34.971+/-44.610 χ^2/NDF : 1.5/16

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs slug



Right In: 149.490 $\pm$ 0.051 χ^2 /NDF: 4249870.3/9

Left Out: 119.961 $\pm$ 0.048 χ^2 /NDF: 59747.9/5

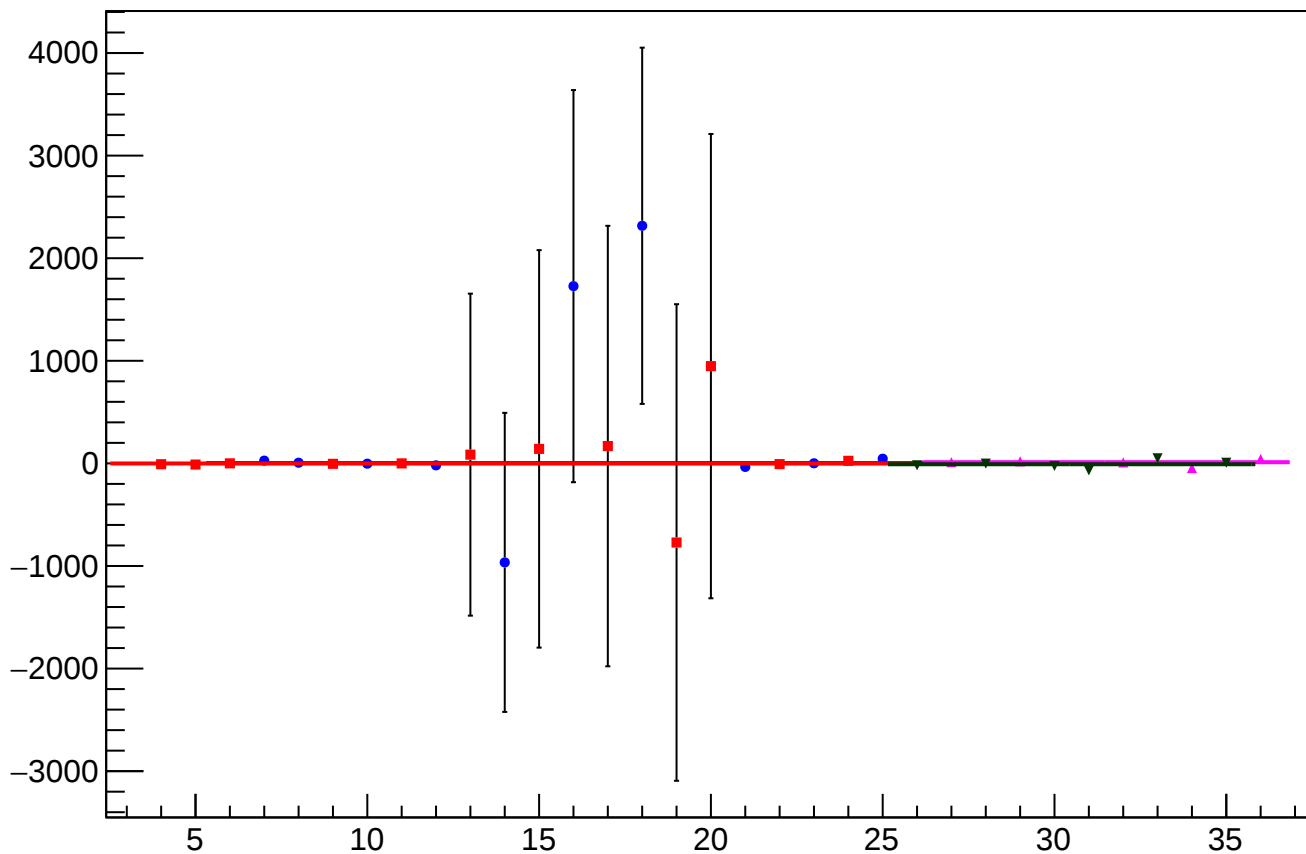
133.823 $\pm$ 0.035 χ^2 /NDF: 4485578.1/15

Right Out: 131.616 $\pm$ 0.048 χ^2 /NDF: 5120657.7/11

119.674 $\pm$ 0.032 χ^2 /NDF: 5324982.1/16

Left In: 110.427 $\pm$ 0.042 χ^2 /NDF: 93348.5/4

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: -8.238+/-9.460 χ^2/NDF : 10.4/5

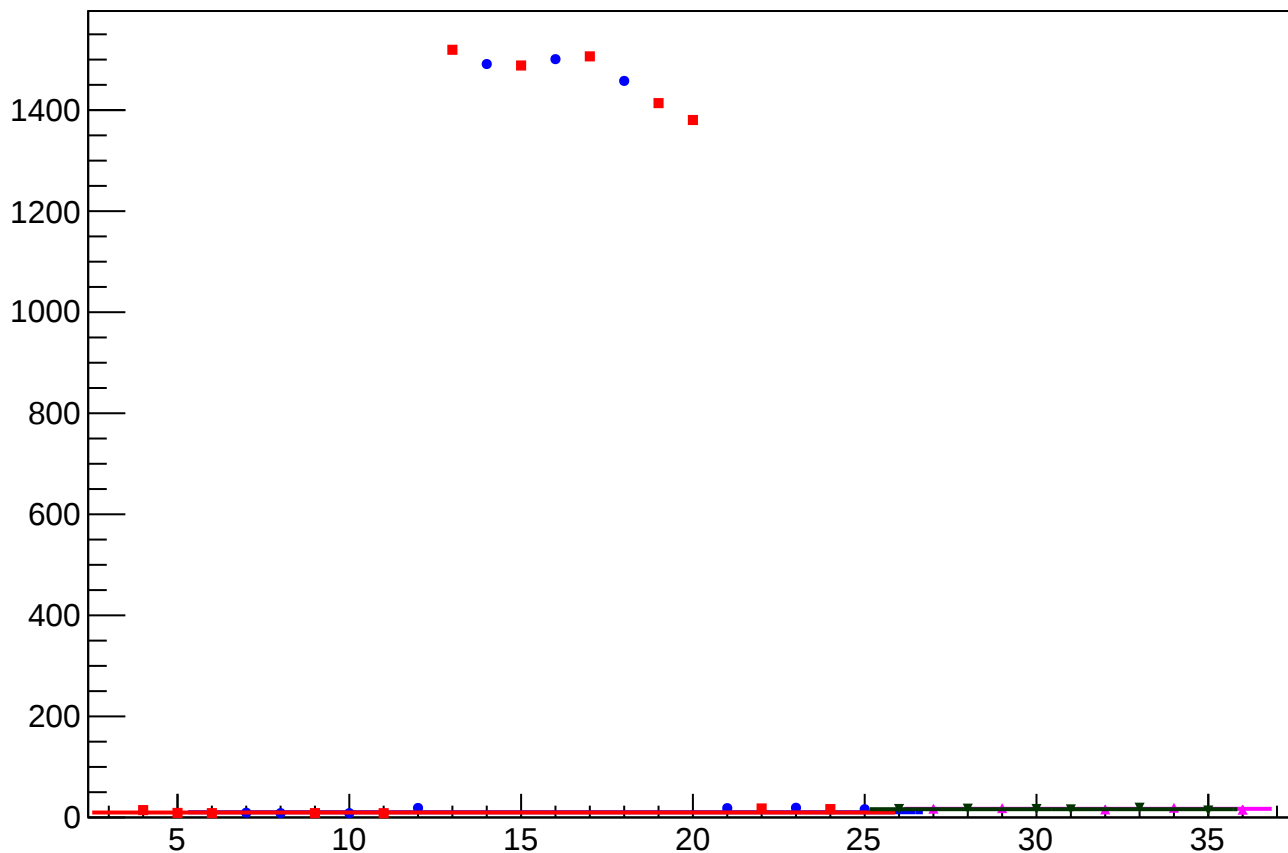
Right Out: -0.797+/-5.364 χ^2/NDF : 2.2/11

Left In: 11.706+/-9.315 χ^2/NDF : 6.1/4

-0.203+/-4.817 χ^2/NDF : 21.5/15

2.317+/-4.648 χ^2/NDF : 9.6/16

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: 16.351+/-0.007 χ^2/NDF : 65047.7/5

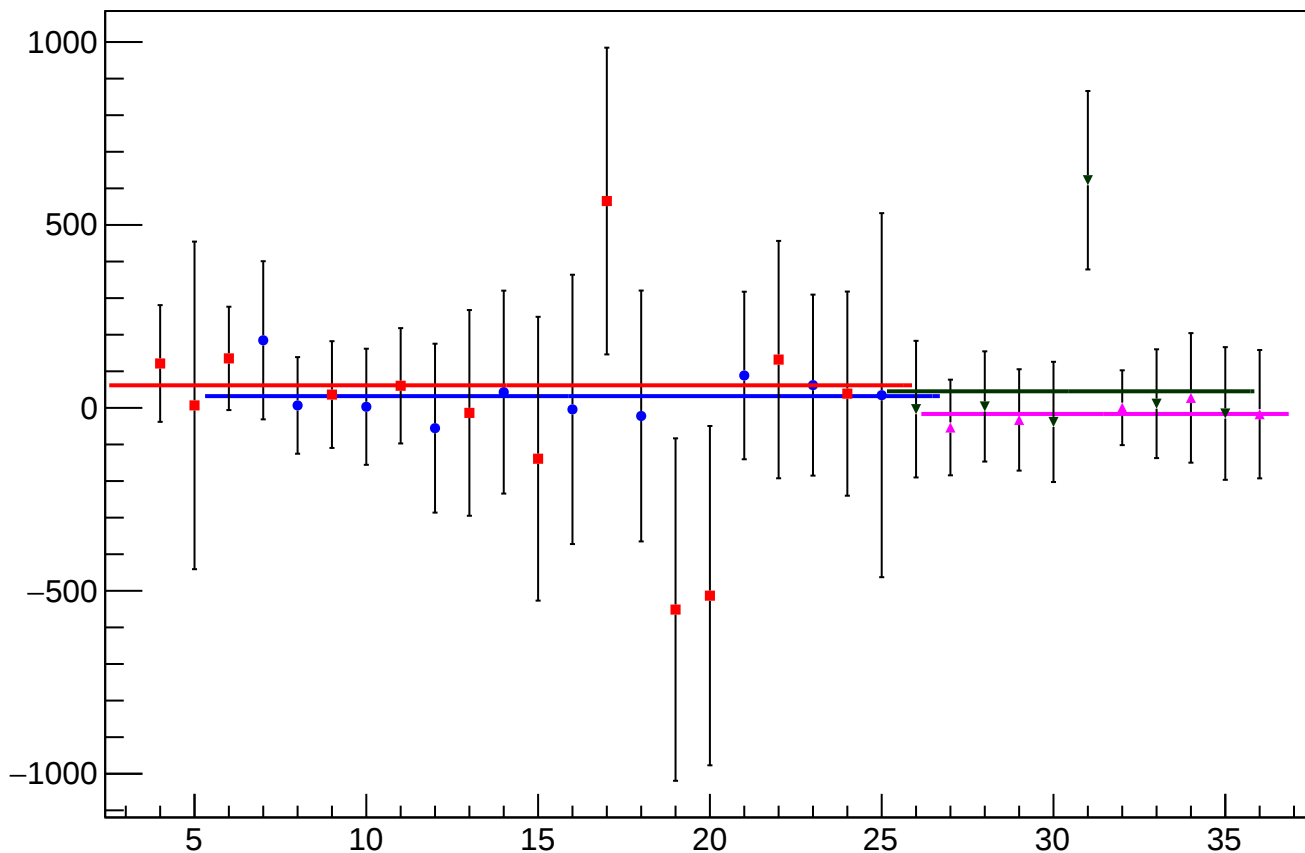
Right Out: 9.764+/-0.004 χ^2/NDF : 6008777.0/11

Left In: 17.087+/-0.007 χ^2/NDF : 42012.3/4

11.868+/-0.003 χ^2/NDF : 6187550.8/15

11.587+/-0.003 χ^2/NDF : 6979203.2/16

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: 45.333+/-70.321 χ^2/NDF : 6.2/5

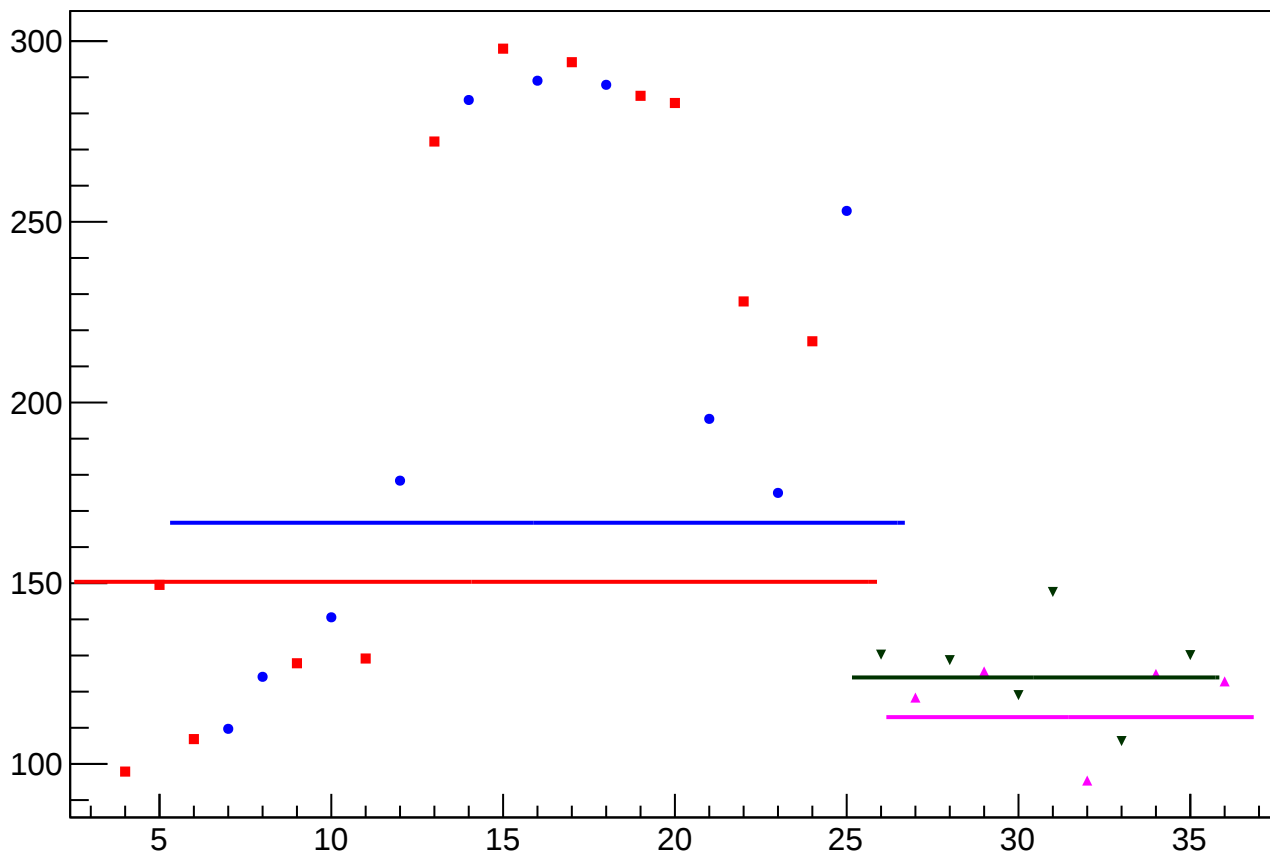
Right Out: 61.700+/-64.794 χ^2/NDF : 5.5/11

Left In: -16.600+/-60.781 χ^2/NDF : 0.2/4

38.684+/-49.518 χ^2/NDF : 7.0/15

20.050+/-44.330 χ^2/NDF : 6.5/16

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: 123.930 $\pm$ 0.050 χ^2 /NDF: 55229.5/5

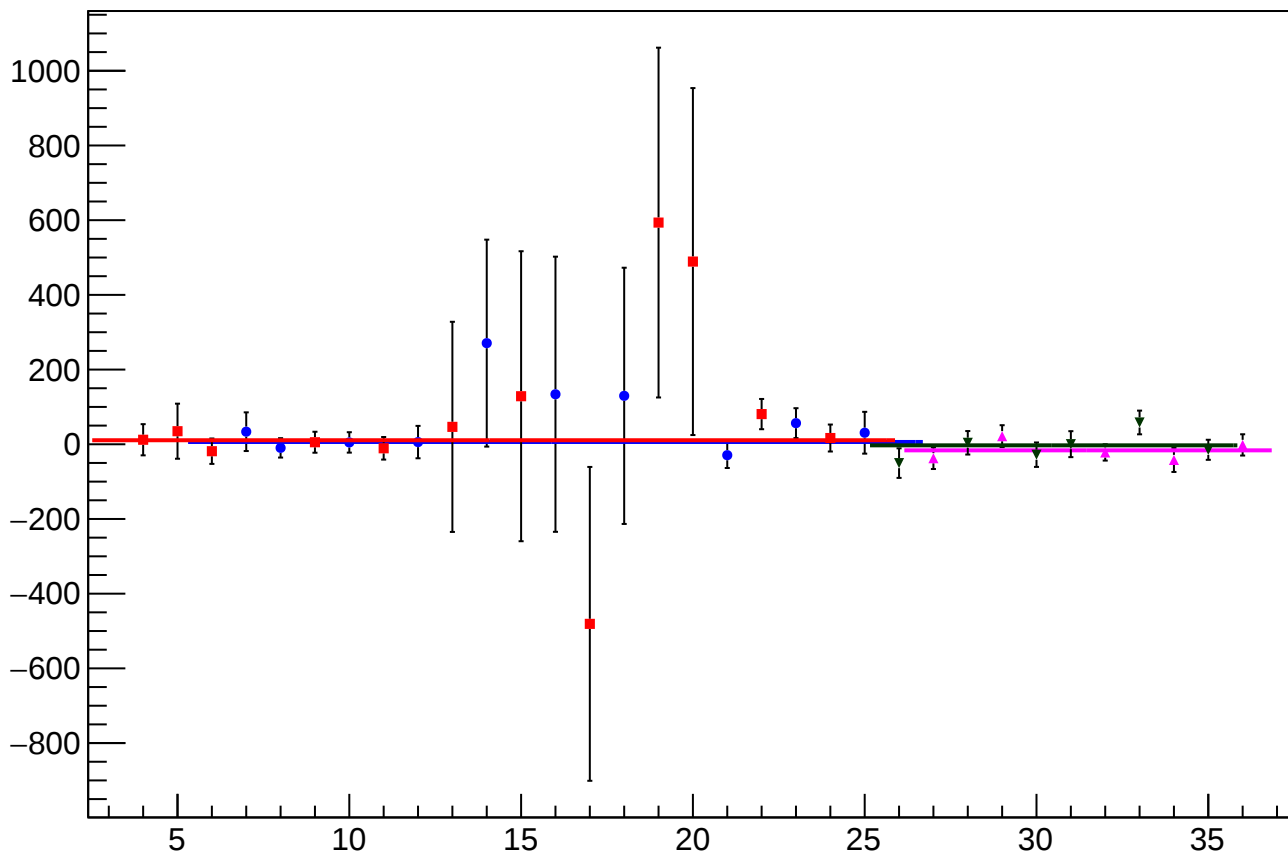
Right Out: 150.393 $\pm$ 0.046 χ^2 /NDF: 1947233.7/11

Left In: 112.952 $\pm$ 0.043 χ^2 /NDF: 94493.5/4

145.510 $\pm$ 0.035 χ^2 /NDF: 1756420.8/15

130.477 $\pm$ 0.031 χ^2 /NDF: 2396951.4/16

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: -2.851 $\pm$ 13.142 χ^2 /NDF: 6.0/5

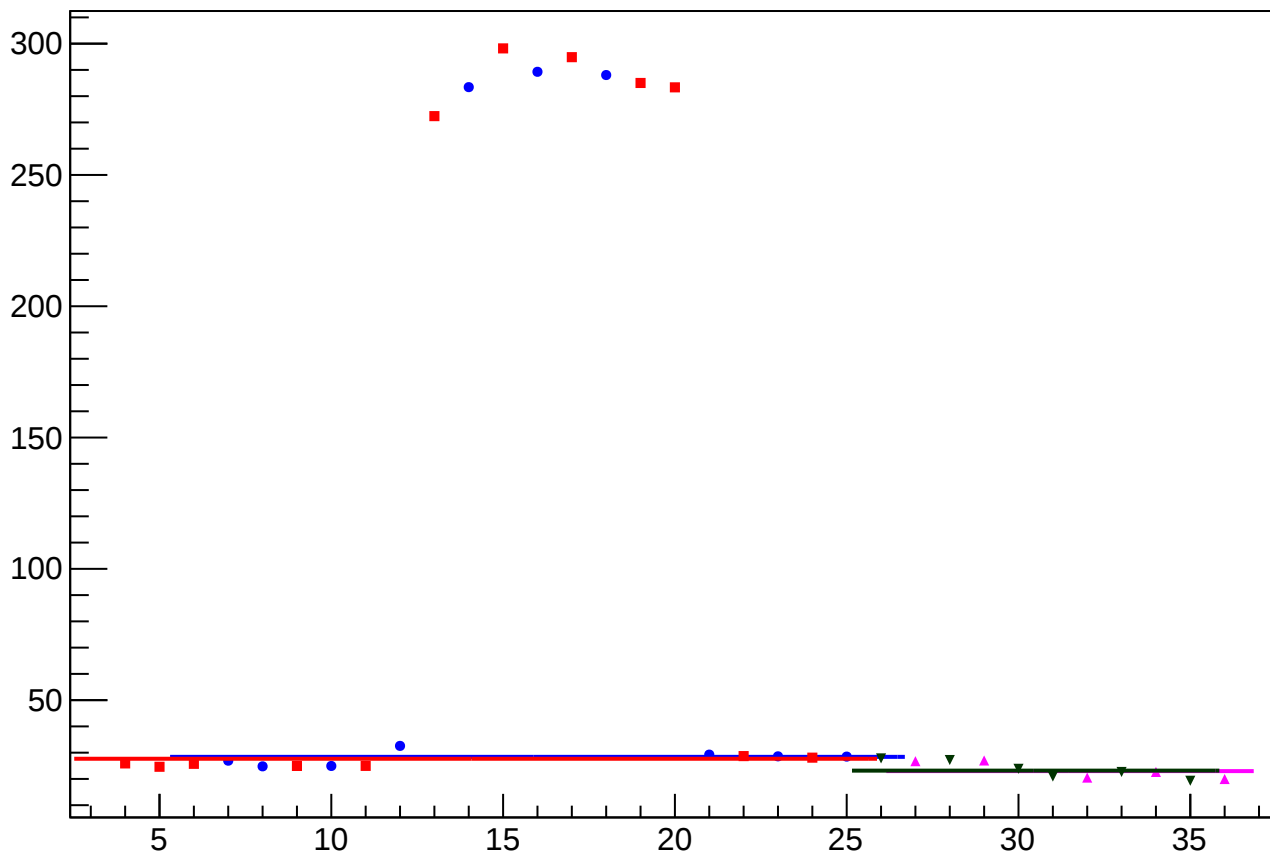
Right Out: 10.797 $\pm$ 13.610 χ^2 /NDF: 8.5/11

Left In: -16.254 $\pm$ 12.269 χ^2 /NDF: 3.1/4

1.559 $\pm$ 9.391 χ^2 /NDF: 10.9/15

-4.126 $\pm$ 9.113 χ^2 /NDF: 13.8/16

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: 23.159 $\pm$ 0.009 χ^2 /NDF: 111619.3/5

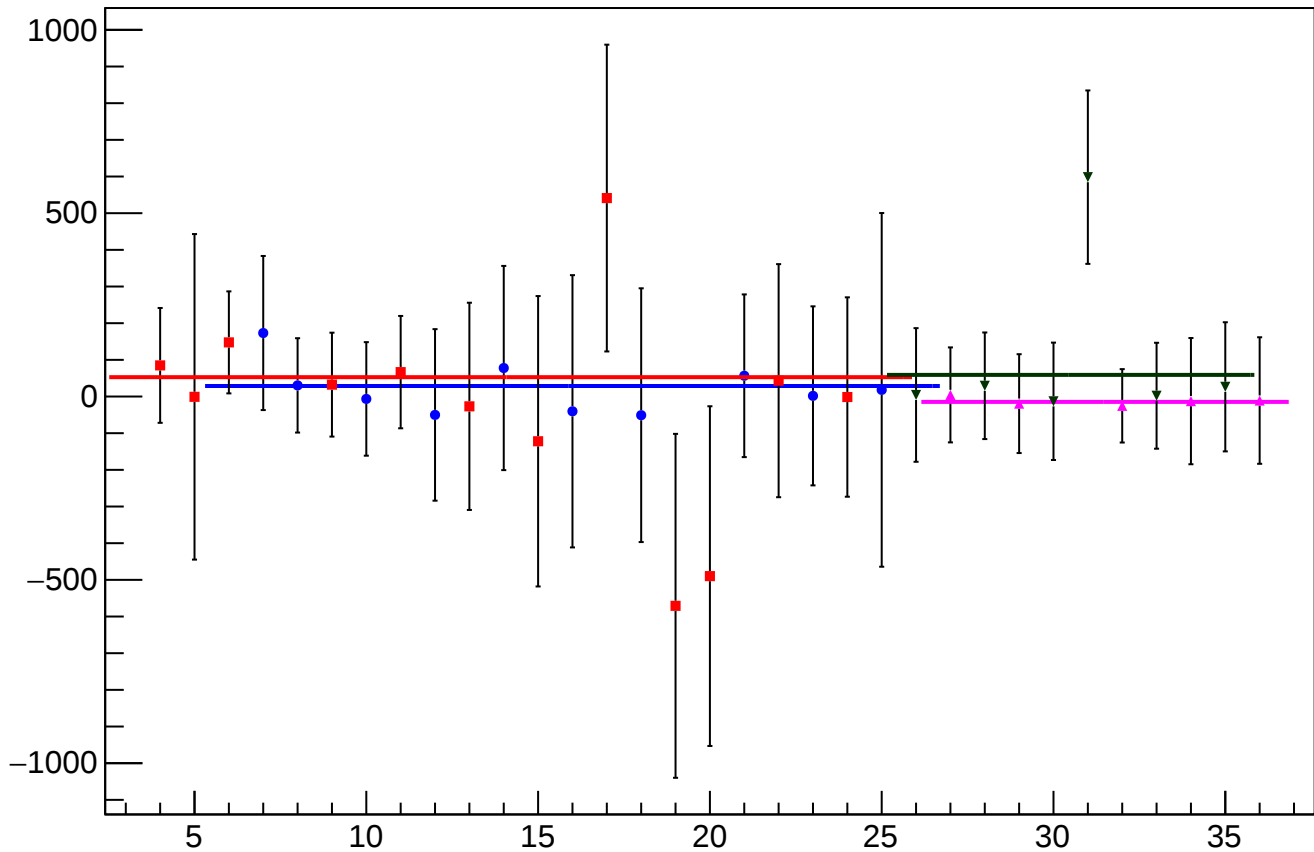
Right Out: 27.683 $\pm$ 0.010 χ^2 /NDF: 4553149.3/11

Left In: 22.979 $\pm$ 0.009 χ^2 /NDF: 120043.6/4

25.727 $\pm$ 0.007 χ^2 /NDF: 4203677.3/15

25.088 $\pm$ 0.006 χ^2 /NDF: 4804983.4/16

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: 59.016+/-68.273 χ^2/NDF : 5.7/5

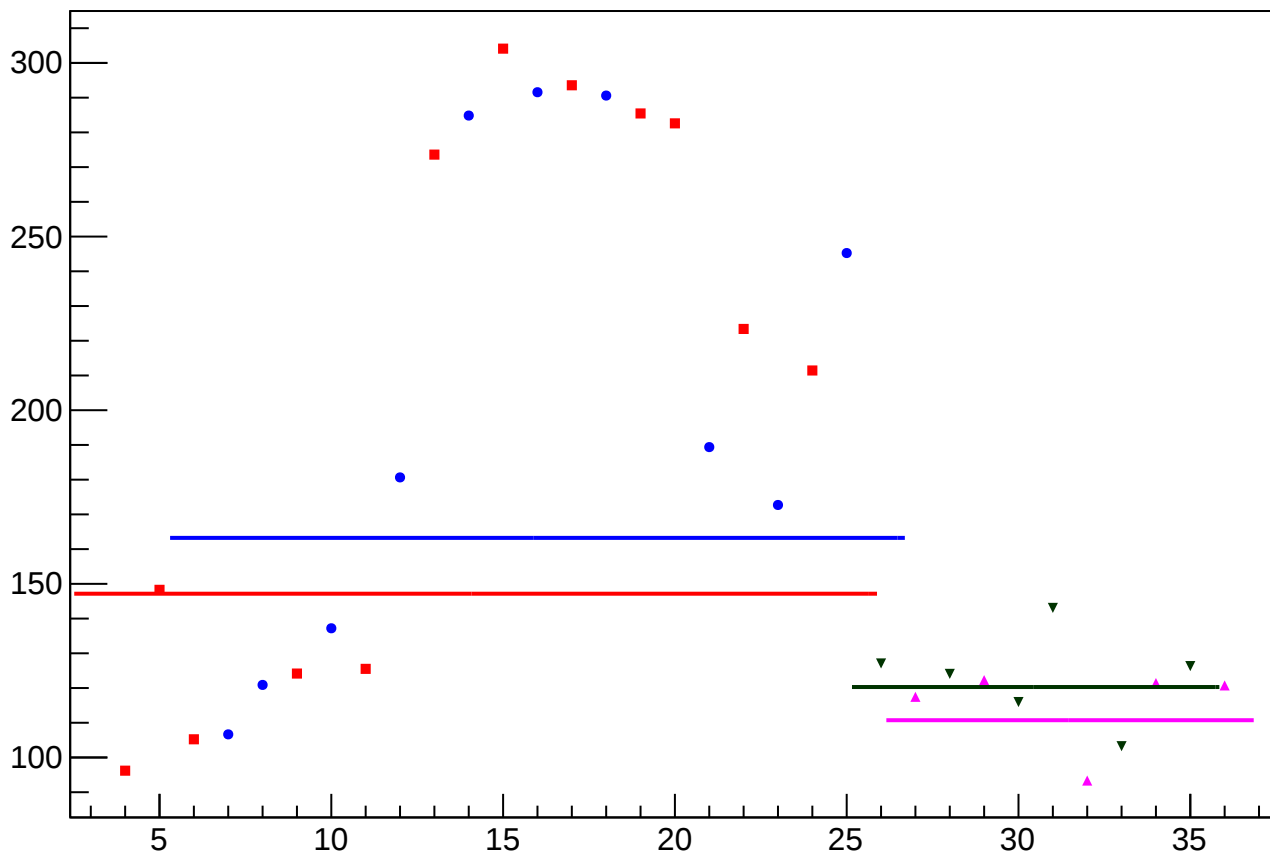
Right Out: 52.783+/-63.607 χ^2/NDF : 5.4/11

Left In: -14.643+/-59.569 χ^2/NDF : 0.0/4

43.914+/-48.367 χ^2/NDF : 6.6/15

16.862+/-43.479 χ^2/NDF : 6.0/16

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: 120.291+/-0.048 χ^2/NDF : 54323.4/5

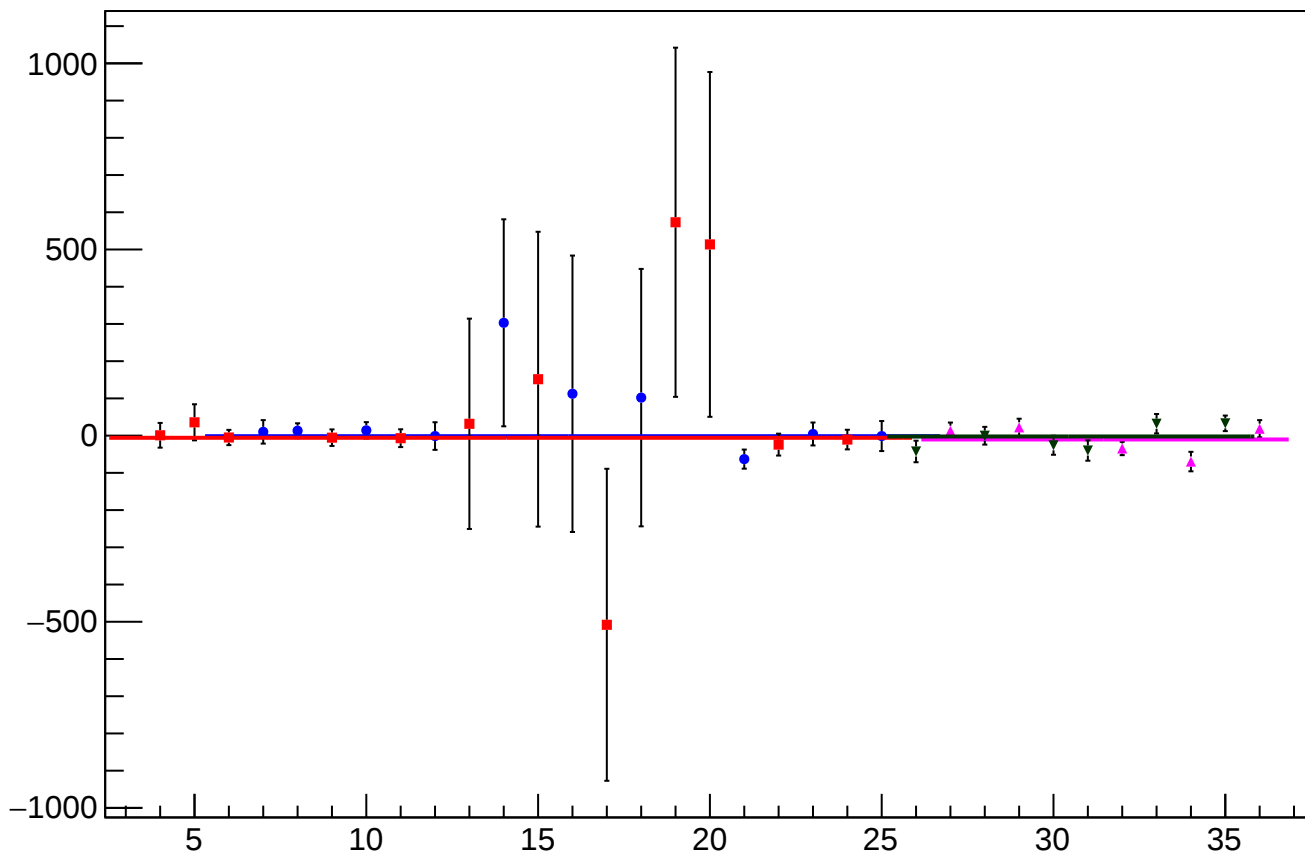
141.684+/-0.034 χ^2/NDF : 1857692.1/15

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

127.754+/-0.031 χ^2/NDF : 2461498.9/16

Left In: 110.734+/-0.042 χ^2/NDF : 94837.9/4

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: -2.260 ± 10.225 χ^2/NDF : 9.2/5

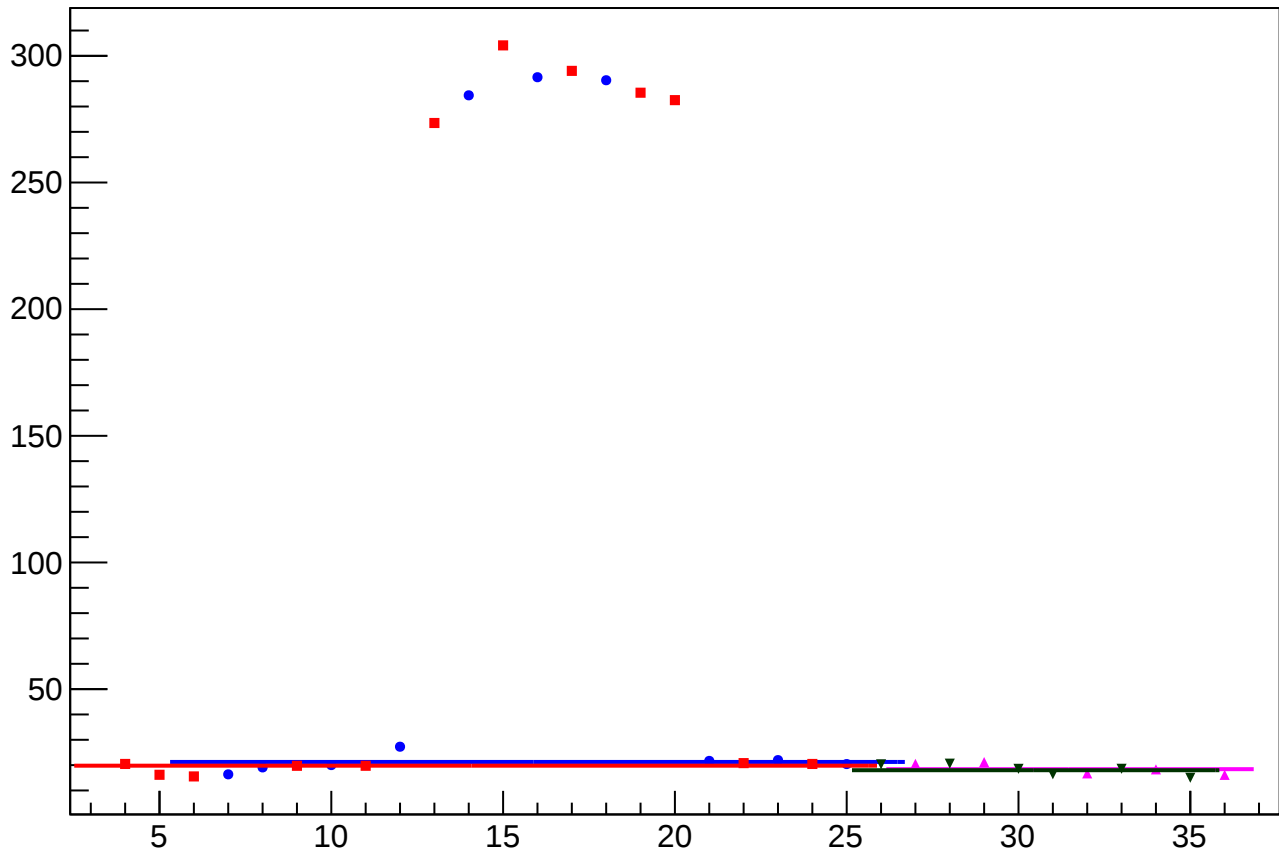
Right Out: -5.806 ± 9.942 χ^2/NDF : 5.6/11

Left In: -10.337 ± 9.837 χ^2/NDF : 11.6/4

-1.890 ± 7.238 χ^2/NDF : 17.6/15

-8.096 ± 6.993 χ^2/NDF : 17.3/16

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: 17.994+/-0.007 χ^2/NDF : 85719.7/5

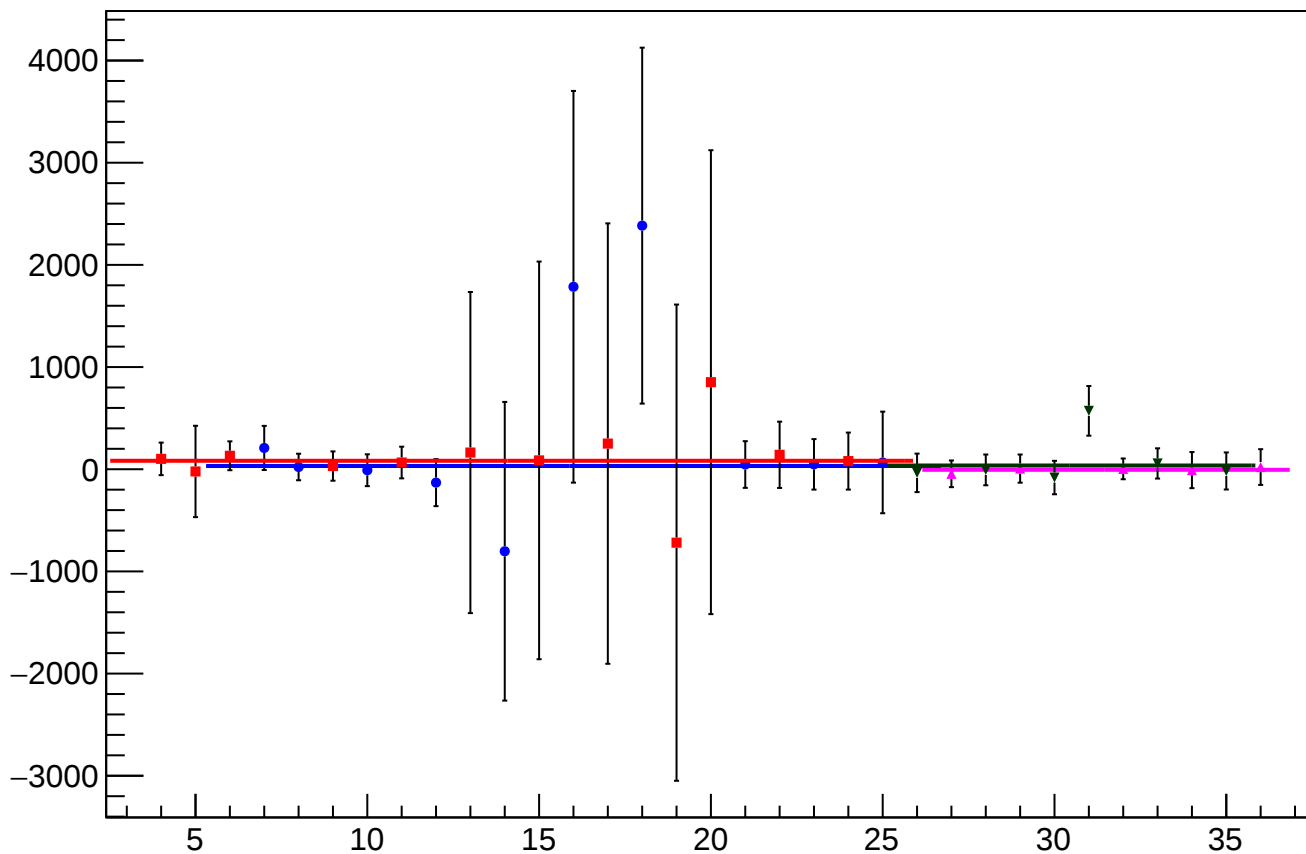
19.621+/-0.005 χ^2/NDF : 4383892.9/15

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

19.085+/-0.005 χ^2/NDF : 4991181.5/16

Left In: 18.406+/-0.007 χ^2/NDF : 83540.5/4

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: 36.589+/-70.247 χ^2/NDF : 5.7/5

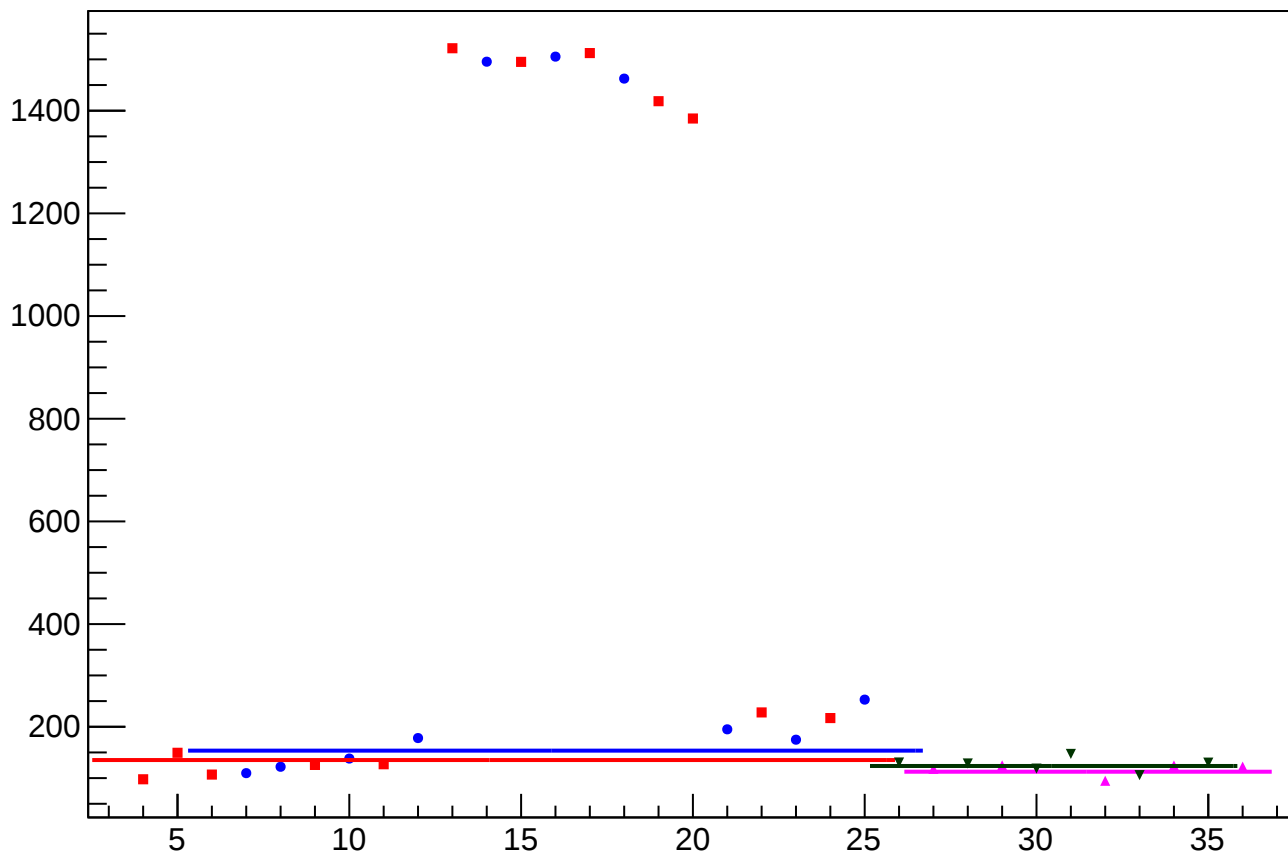
Right Out: 82.898+/-69.271 χ^2/NDF : 0.6/11

Left In: -5.608+/-60.520 χ^2/NDF : 0.1/4

34.226+/-51.032 χ^2/NDF : 9.9/15

32.705+/-45.576 χ^2/NDF : 1.7/16

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs slug



Right In: 153.522 $\pm$ 0.053 χ^2 /NDF: 4212358.6/9

Left Out: 123.626 $\pm$ 0.050 χ^2 /NDF: 56947.8/5

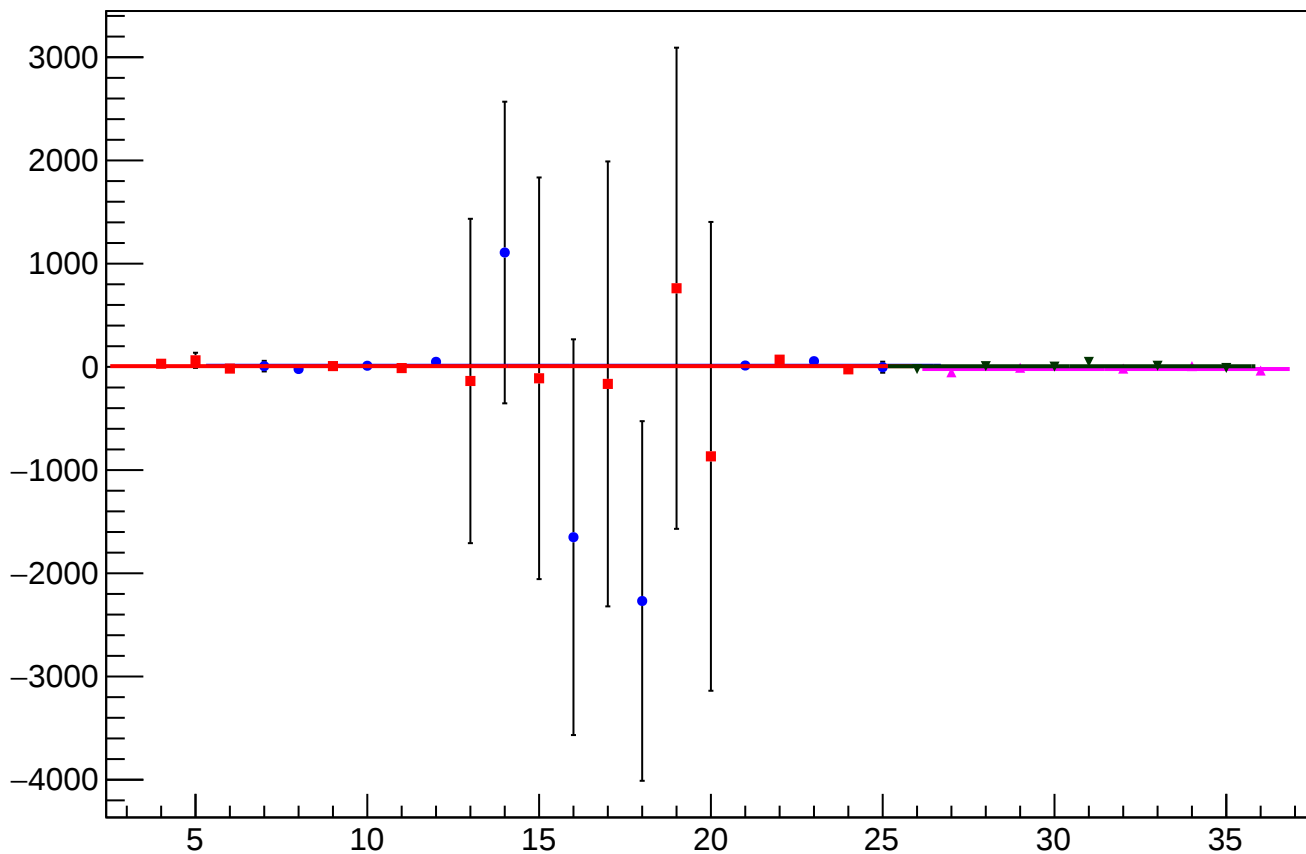
Right Out: 135.194 $\pm$ 0.049 χ^2 /NDF: 5104872.2/11

Left In: 112.437 $\pm$ 0.043 χ^2 /NDF: 95979.3/4

137.744 $\pm$ 0.036 χ^2 /NDF: 4440366.5/15

122.288 $\pm$ 0.032 χ^2 /NDF: 5323264.1/16

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: 5.989+/-12.434 χ^2/NDF : 2.6/5

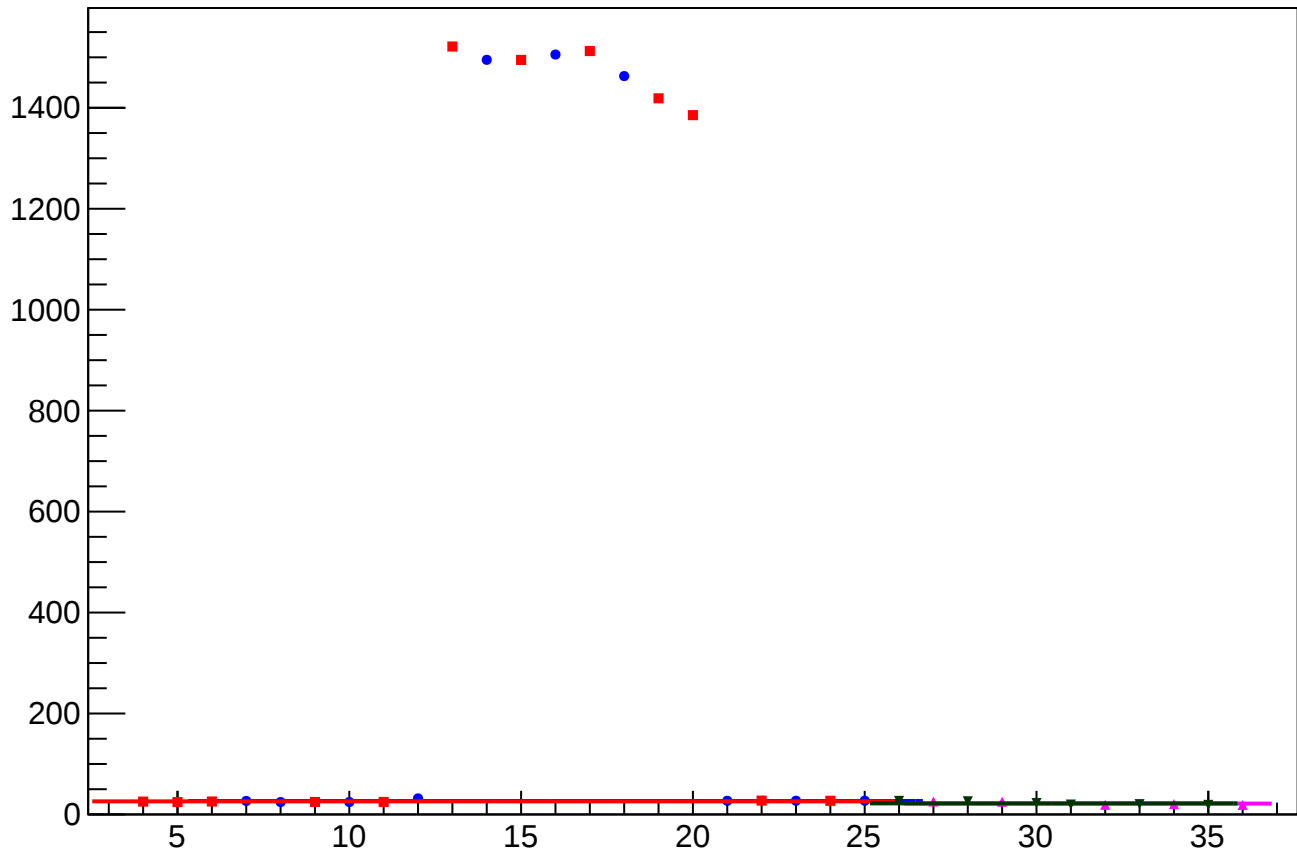
Right Out: 6.946+/-13.410 χ^2/NDF : 5.5/11

Left In: -20.856+/-11.453 χ^2/NDF : 2.8/4

8.264+/-9.005 χ^2/NDF : 9.5/15

-9.130+/-8.709 χ^2/NDF : 10.8/16

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: 21.937+/-0.009 χ^2/NDF : 112606.1/5

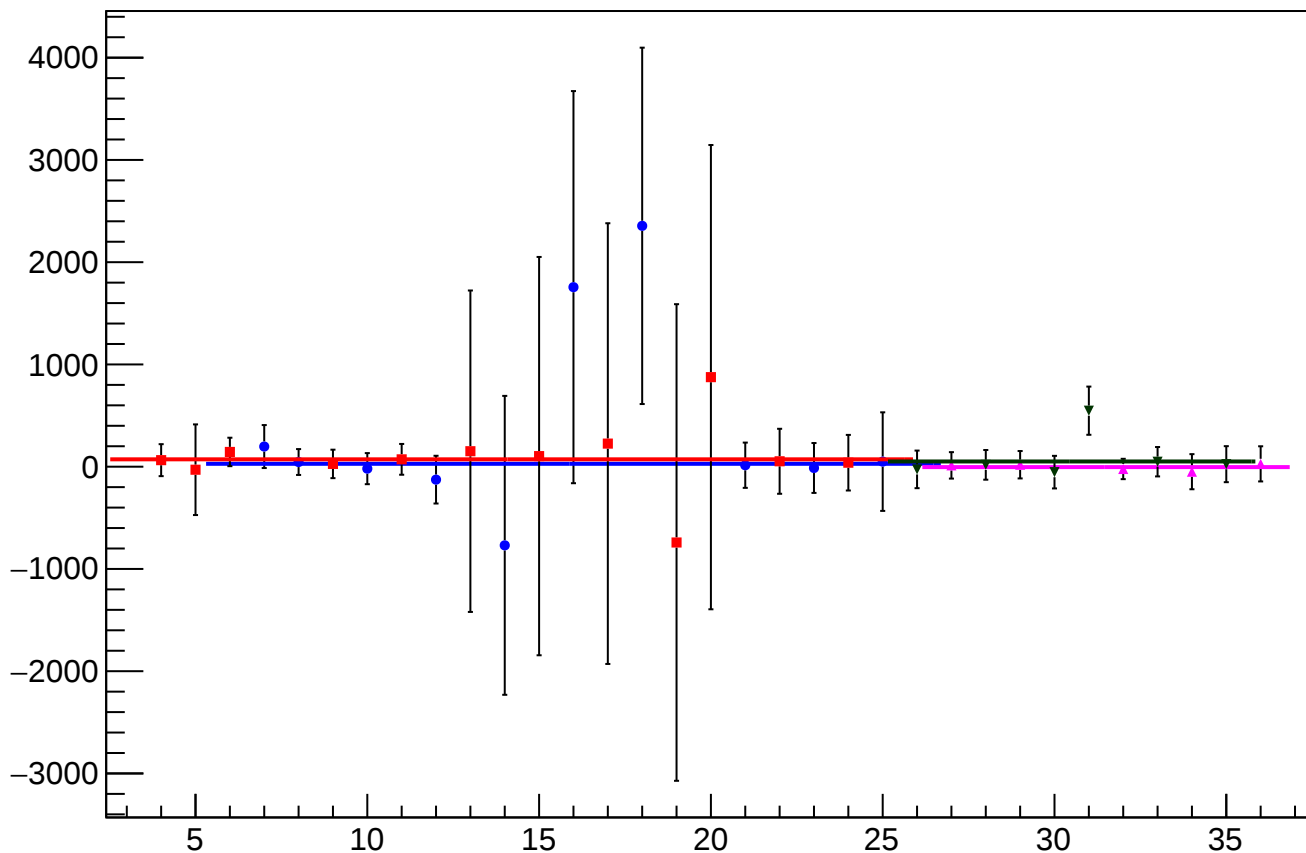
Right Out: 25.943+/-0.009 χ^2/NDF : 5346963.3/11

Left In: 21.514+/-0.008 χ^2/NDF : 130673.4/4

24.150+/-0.006 χ^2/NDF : 4869931.7/15

23.382+/-0.006 χ^2/NDF : 5603785.6/16

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: 51.083+/-68.188 χ^2/NDF : 5.1/5

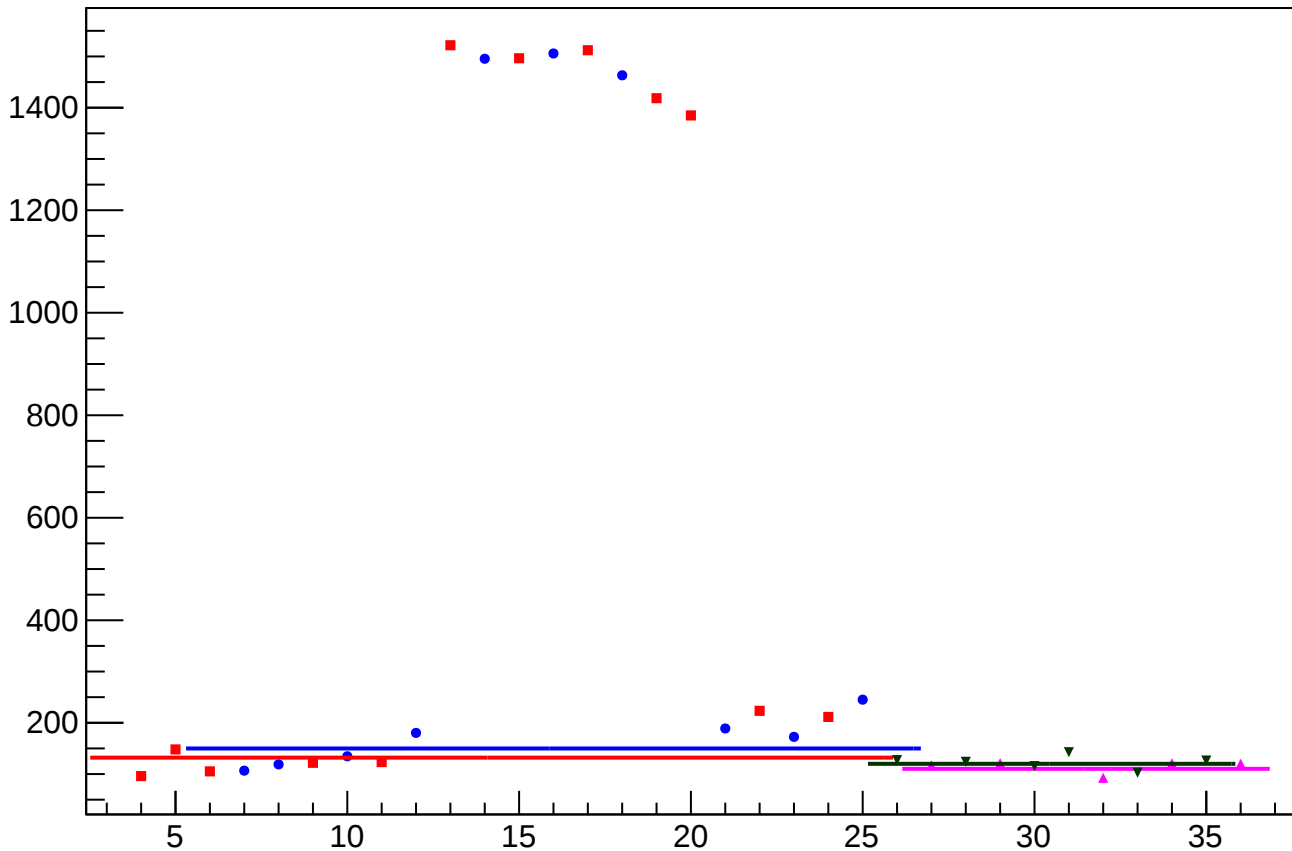
Right Out: 72.031+/-67.714 χ^2/NDF : 0.7/11

Left In: -4.020+/-59.299 χ^2/NDF : 0.2/4

40.416+/-49.726 χ^2/NDF : 9.3/15

28.989+/-44.611 χ^2/NDF : 1.6/16

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: 119.974 $\pm$ 0.048 χ^2 /NDF: 56088.9/5

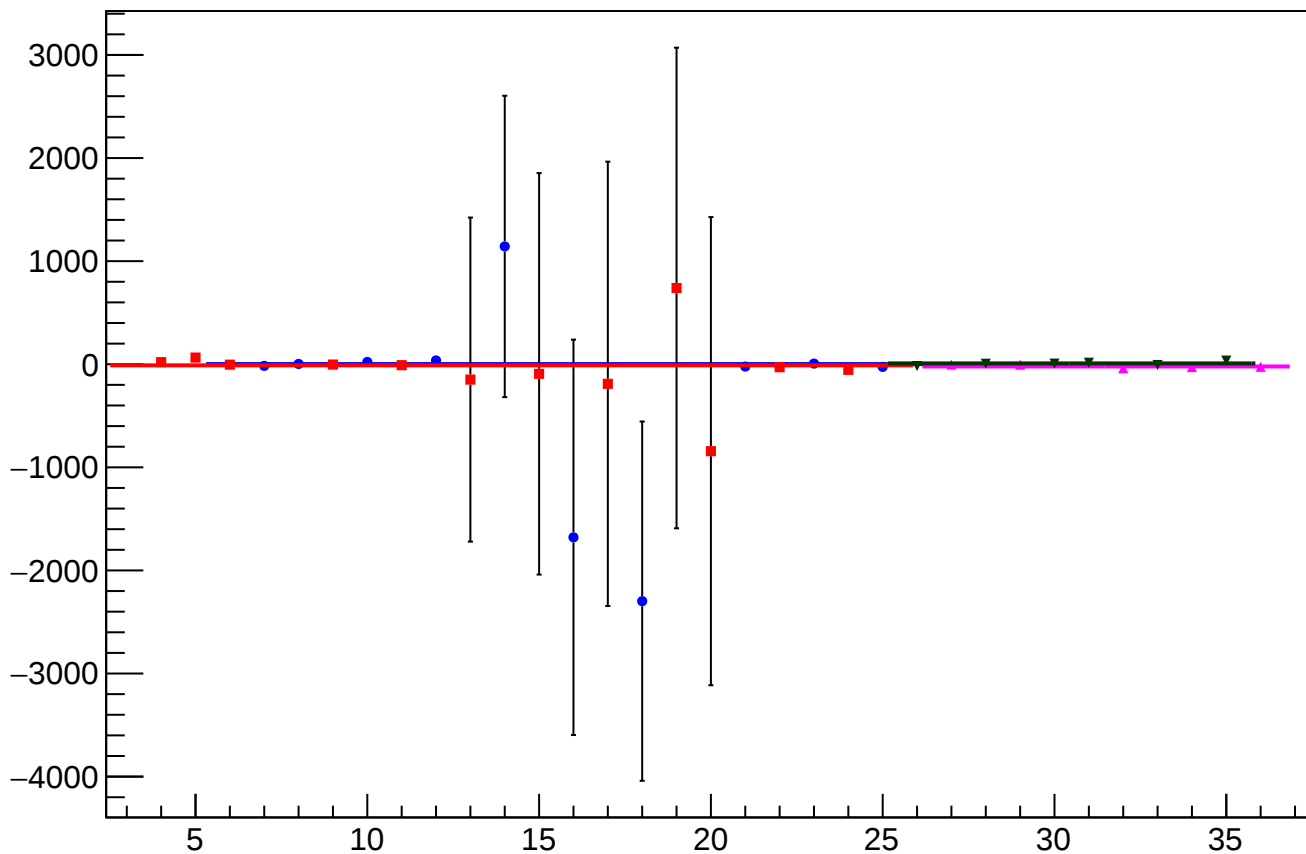
133.986 $\pm$ 0.035 χ^2 /NDF: 4483891.7/15

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

119.677 $\pm$ 0.032 χ^2 /NDF: 5333993.6/16

Left In: 110.200 $\pm$ 0.042 χ^2 /NDF: 96605.4/4

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: 8.161+/-9.459 χ^2/NDF : 3.2/5

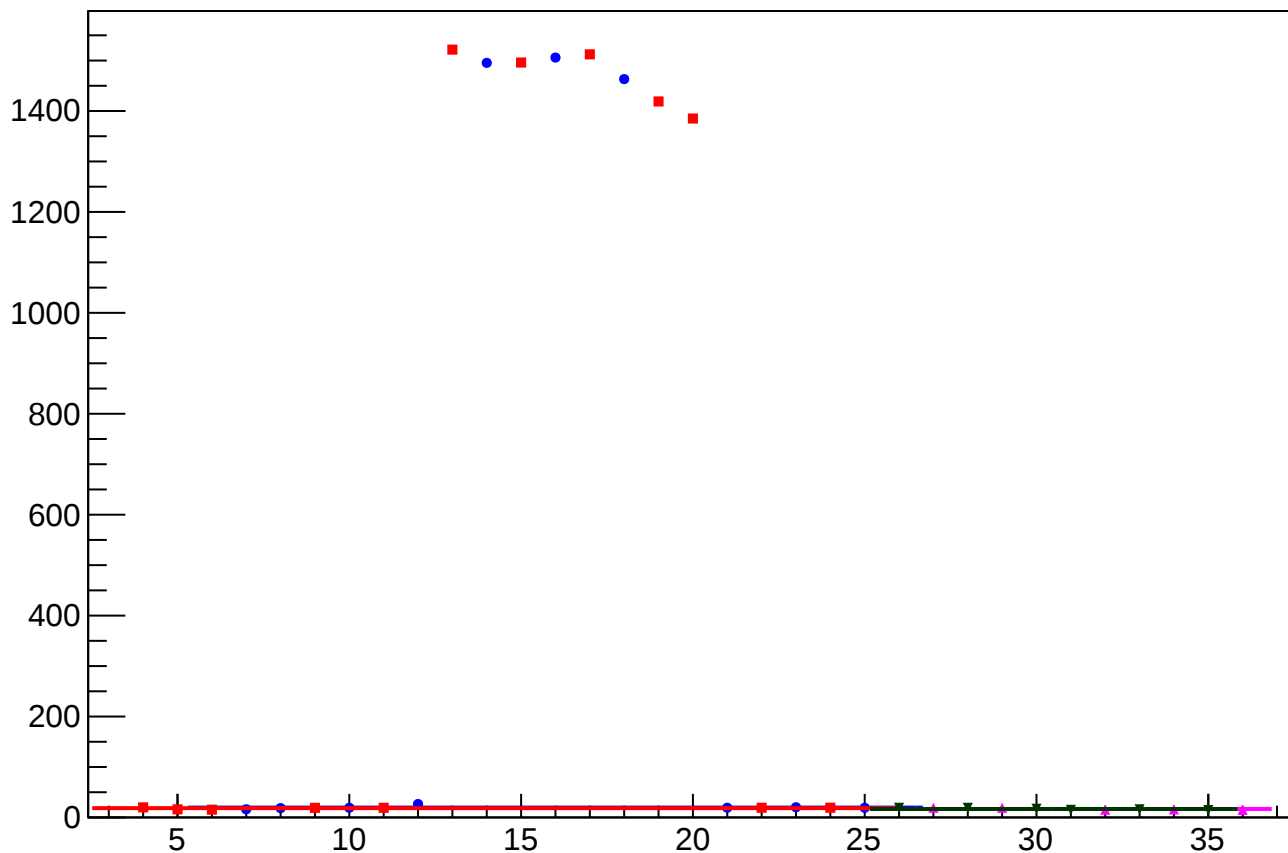
Right Out: -10.544+/-9.604 χ^2/NDF : 7.4/11

Left In: -21.469+/-8.933 χ^2/NDF : 2.6/4

4.871+/-6.766 χ^2/NDF : 10.5/15

-16.401+/-6.541 χ^2/NDF : 10.8/16

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: 16.737 ± 0.007 χ^2/NDF : 70870.8/5

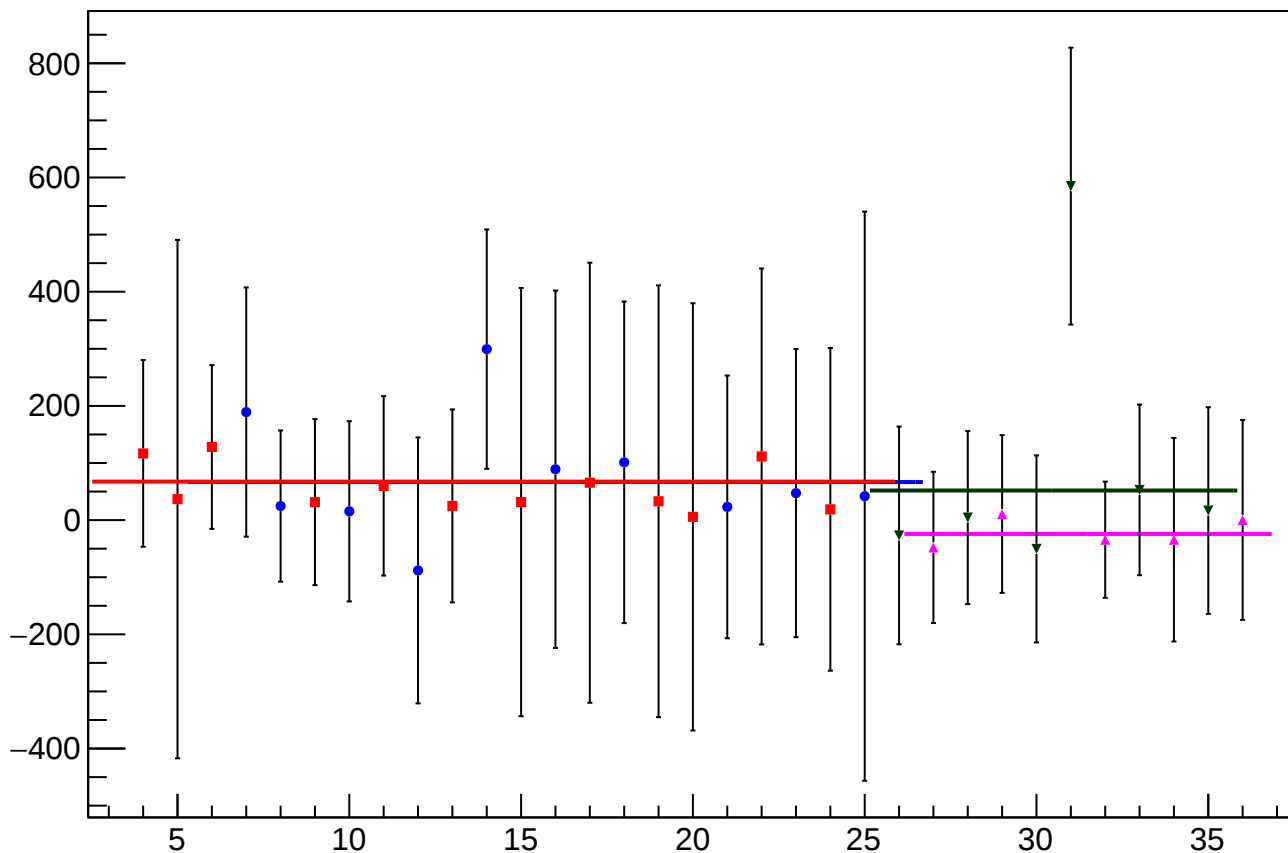
Right Out: 18.441 ± 0.007 χ^2/NDF : 5449094.8/11

Left In: 16.832 ± 0.006 χ^2/NDF : 84064.2/4

18.100 ± 0.005 χ^2/NDF : 4877999.0/15

17.578 ± 0.005 χ^2/NDF : 5563266.0/16

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: 51.869+/-70.581 χ^2/NDF : 5.5/5

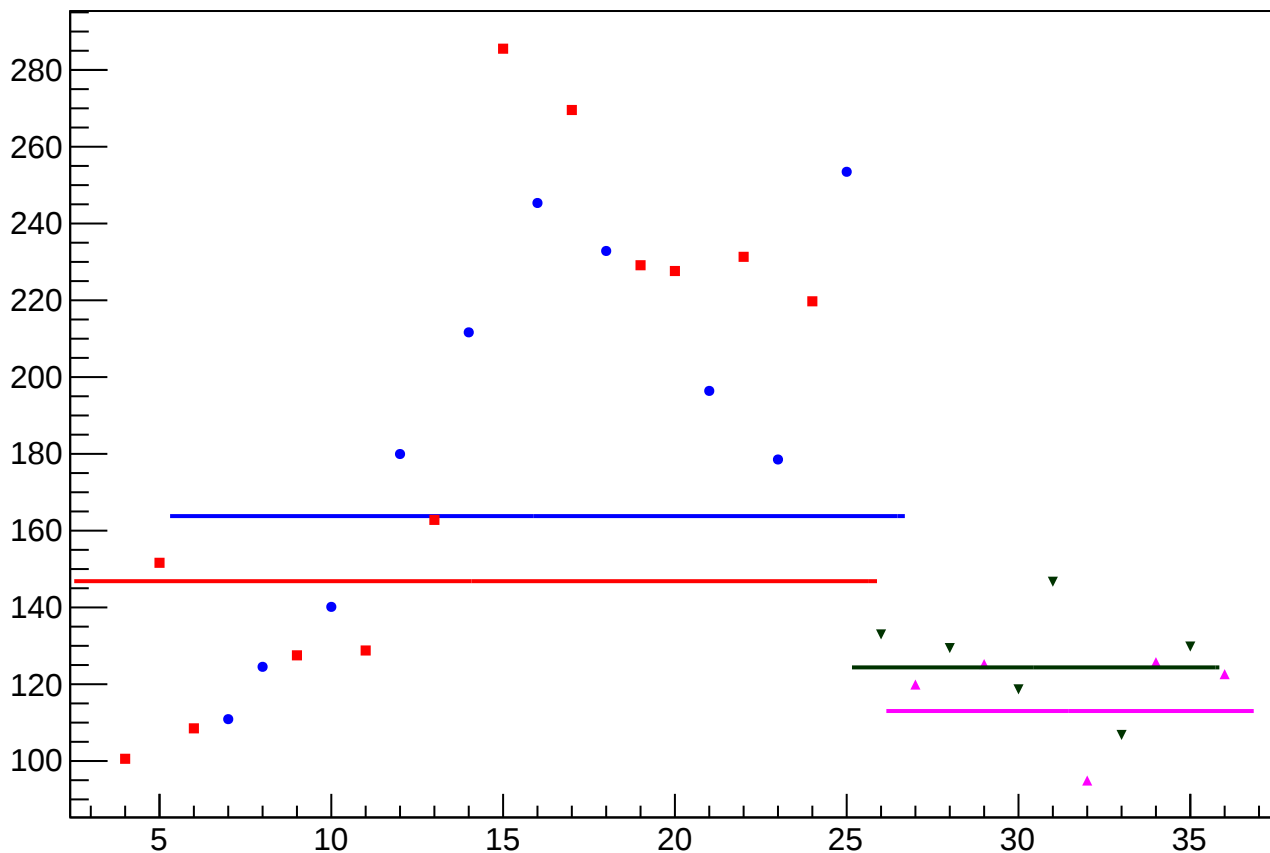
Right Out: 67.441+/-61.599 χ^2/NDF : 0.5/11

Left In: -24.218+/-60.844 χ^2/NDF : 0.1/4

59.634+/-48.700 χ^2/NDF : 7.8/15

21.047+/-43.287 χ^2/NDF : 1.7/16

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: 124.384+/-0.050 χ^2/NDF : 55184.6/5

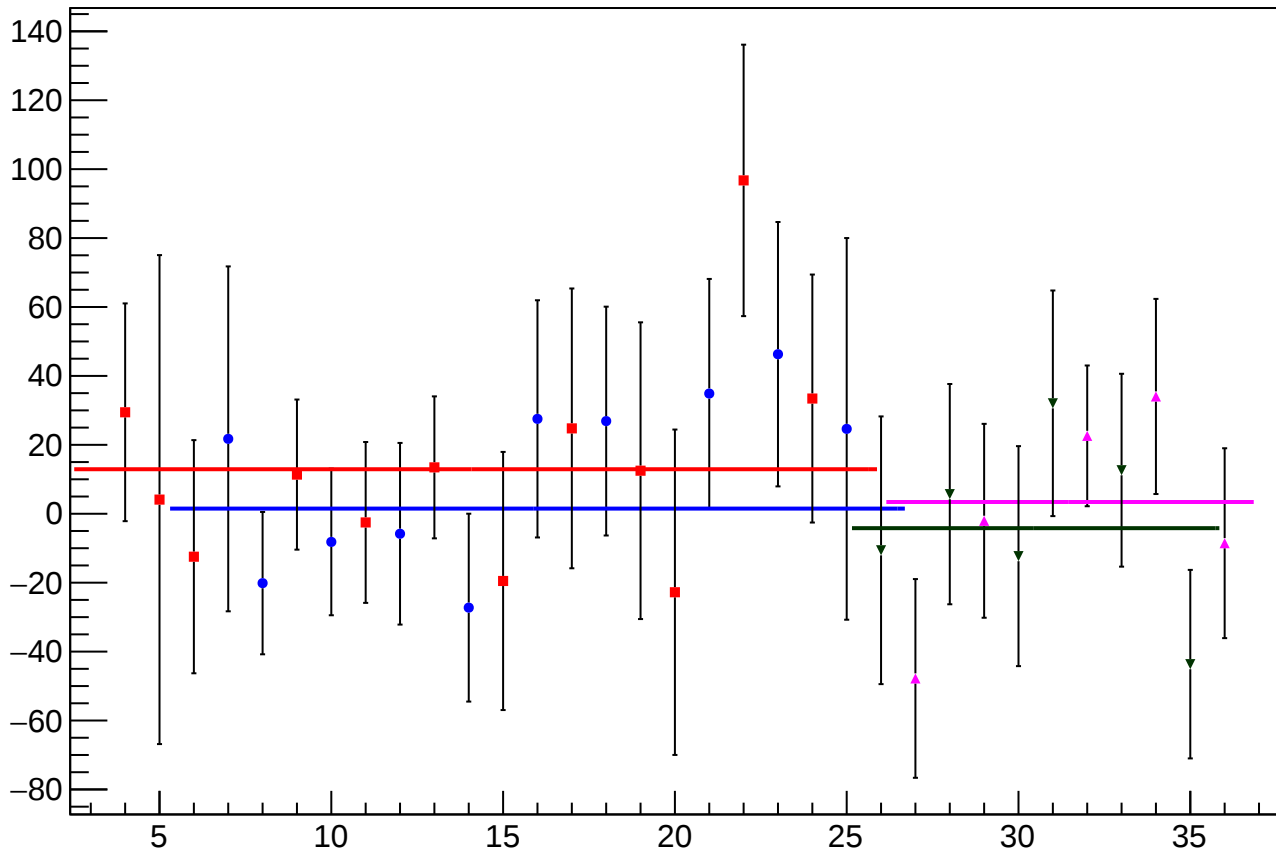
145.031+/-0.034 χ^2/NDF : 1202151.0/15

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

129.722+/-0.031 χ^2/NDF : 1718138.6/16

Left In: 113.021+/-0.043 χ^2/NDF : 100617.1/4

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: -4.181+/-12.731 χ^2/NDF : 3.9/5

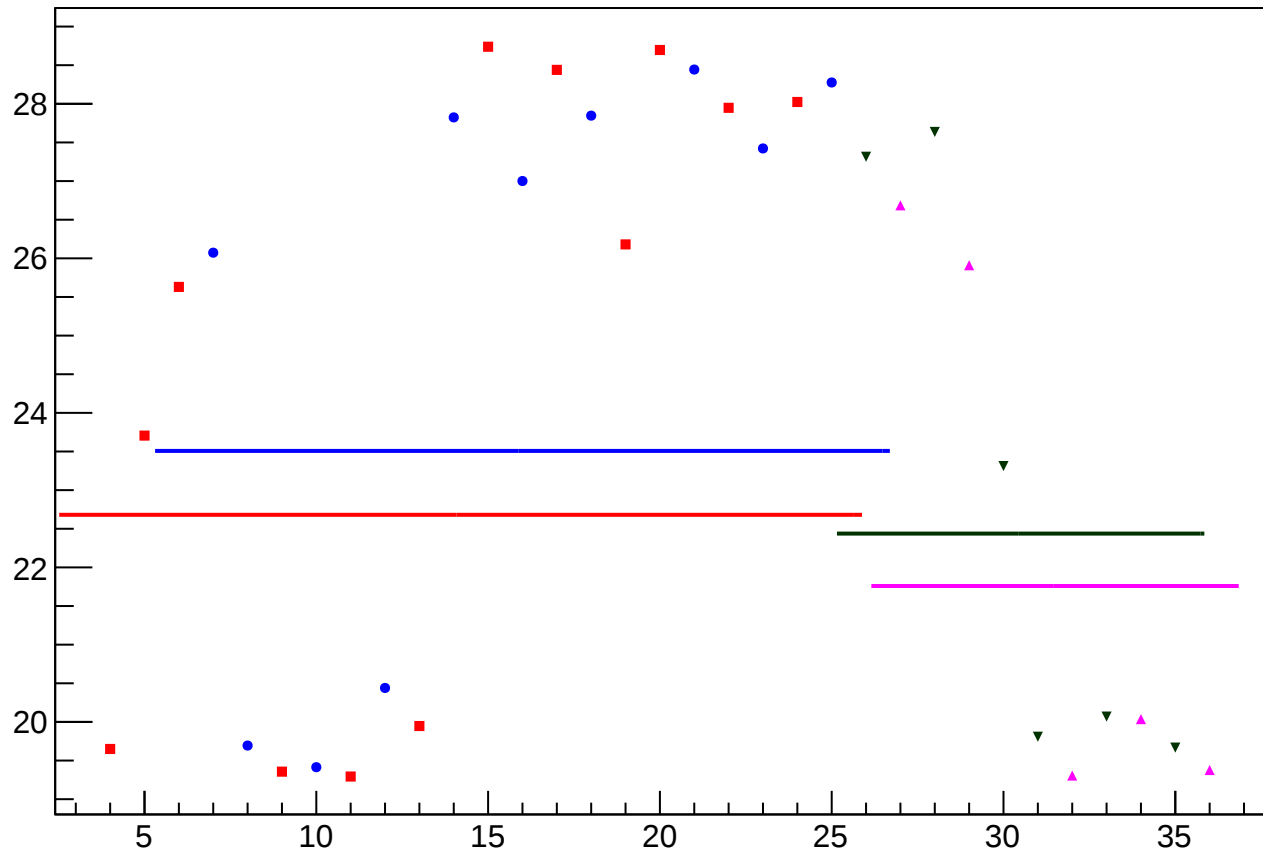
Right Out: 12.920+/-9.091 χ^2/NDF : 7.6/11

Left In: 3.412+/-11.602 χ^2/NDF : 5.4/4

-0.496+/-7.545 χ^2/NDF : 10.3/15

9.303+/-7.156 χ^2/NDF : 13.4/16

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs slug



Right In: 23.508 $\pm$ 0.007 χ^2 /NDF: 359166.3/9

Left Out: 22.438 $\pm$ 0.009 χ^2 /NDF:133684.2/5

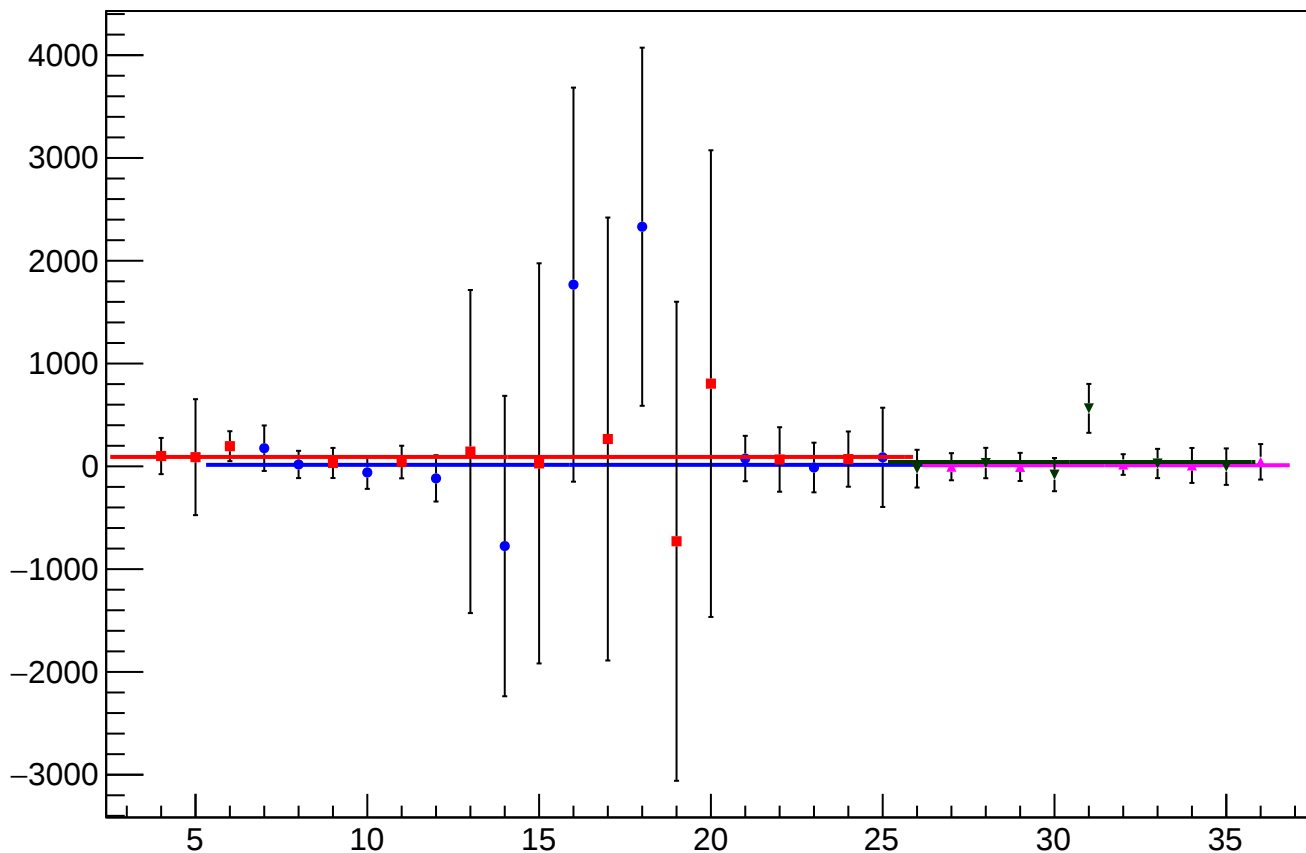
23.132 $\pm$ 0.005 χ^2 /NDF: 502016.9/15

Right Out: 22.681 $\pm$ 0.006 χ^2 /NDF: 376081.4/11

22.330 $\pm$ 0.005 χ^2 /NDF: 537057.5/16

Left In: 21.759 $\pm$ 0.008 χ^2 /NDF:153161.7/4

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs slug



Right In: 14.663+/-74.671 χ^2/NDF : 4.1/9

Left Out: 42.139+/-68.598 χ^2/NDF : 5.6/5

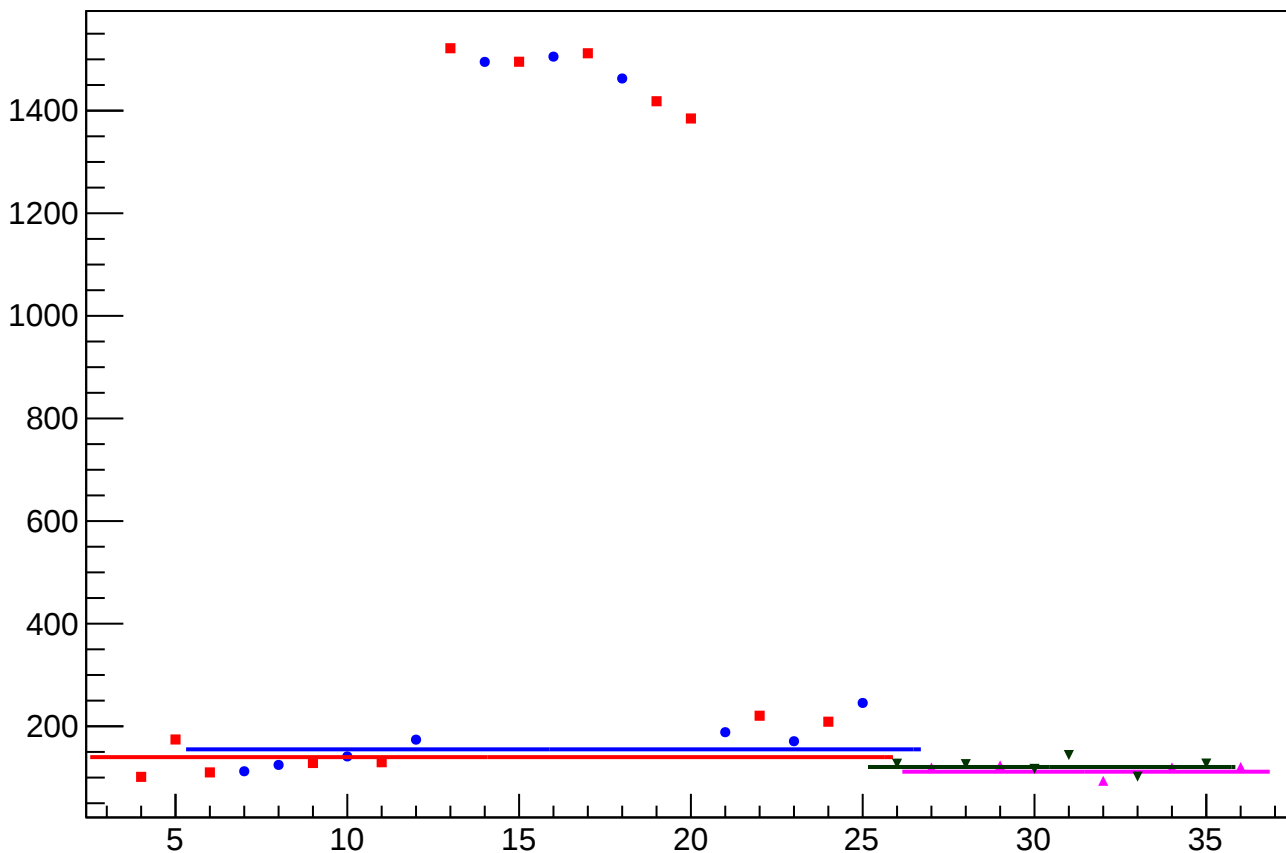
Right Out: 91.524+/-71.755 χ^2/NDF : 1.0/11

Left In: 10.887+/-59.945 χ^2/NDF : 0.1/4

29.564+/-50.517 χ^2/NDF : 9.8/15

44.032+/-46.004 χ^2/NDF : 1.8/16

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: 120.648+/-0.049 χ^2/NDF :62916.5/5

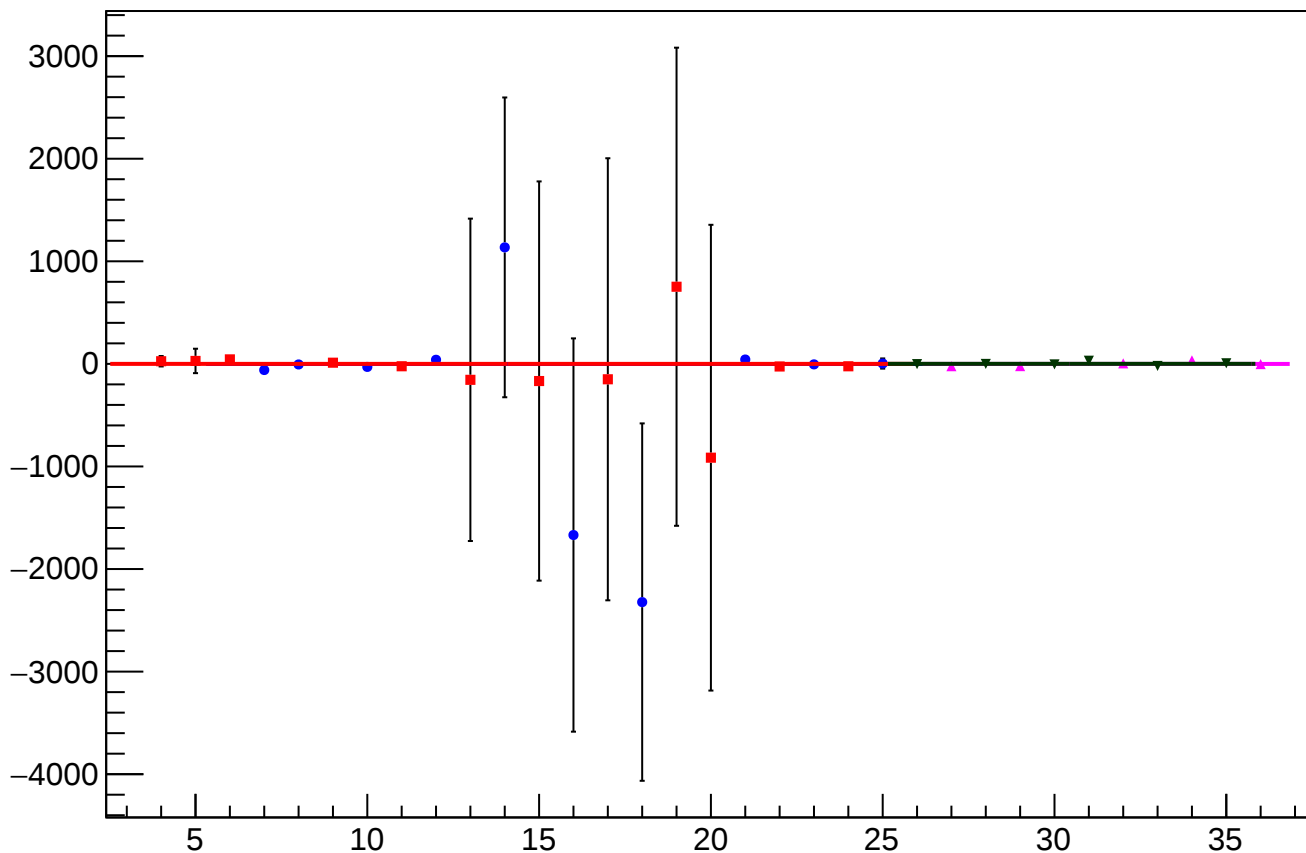
Right Out: 139.869+/-0.051 χ^2/NDF : 5001746.3/11

Left In: 111.458+/-0.042 χ^2/NDF :96891.1/4

136.393+/-0.036 χ^2/NDF : 4427598.6/15

123.136+/-0.033 χ^2/NDF : 5283311.5/16

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: 0.496+/-12.504 χ^2/NDF : 1.5/5

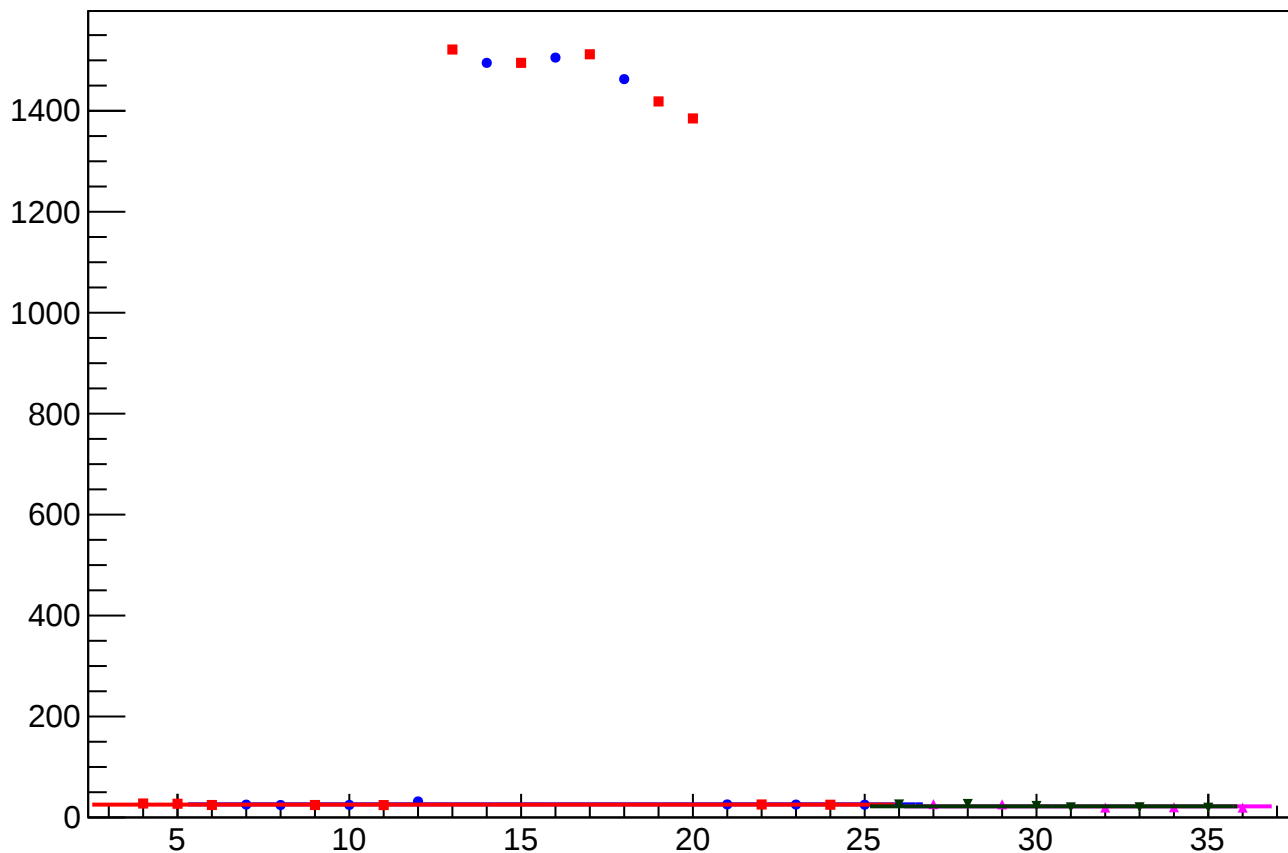
Right Out: -0.057+/-13.414 χ^2/NDF : 4.2/11

Left In: -0.580+/-11.686 χ^2/NDF : 2.7/4

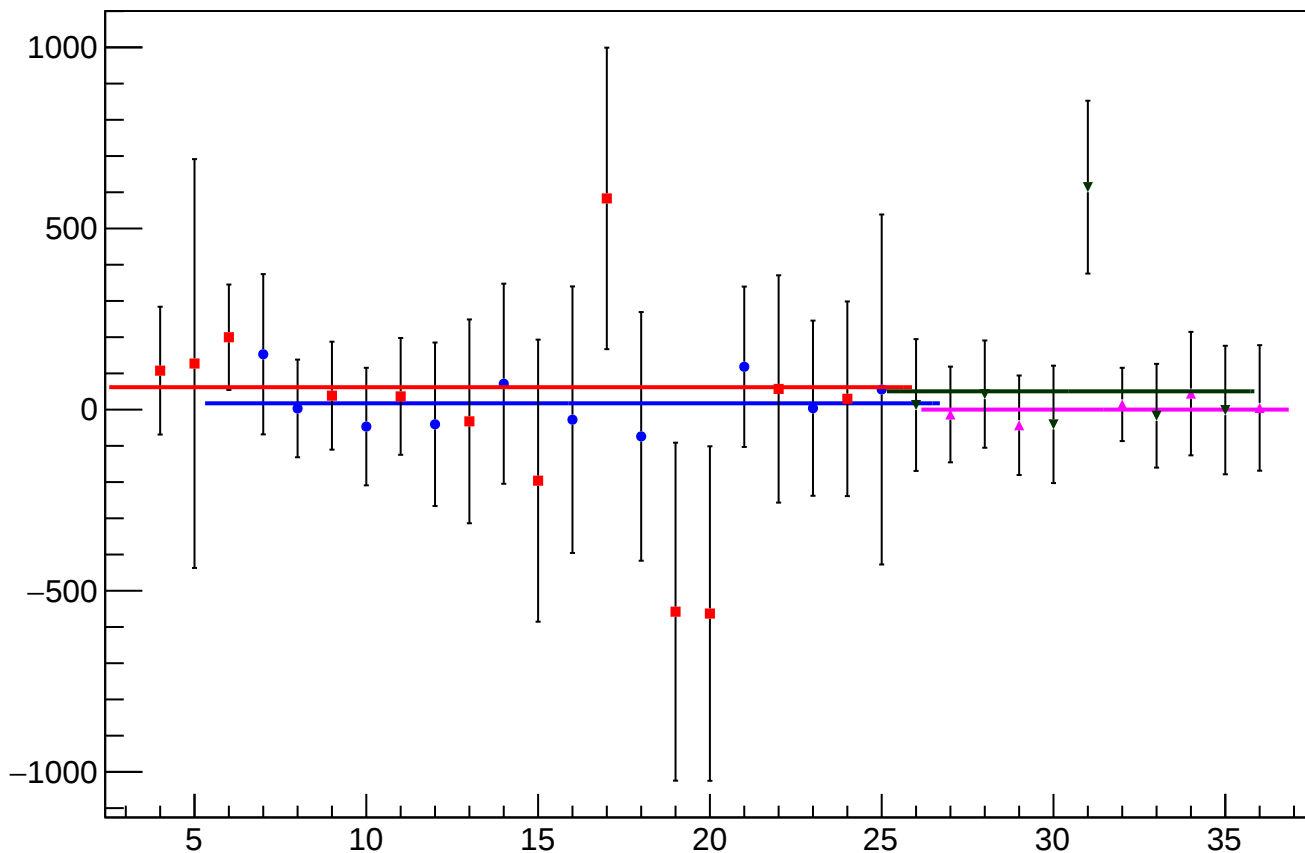
-0.360+/-8.933 χ^2/NDF : 10.2/15

-0.354+/-8.811 χ^2/NDF : 7.0/16

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs slug



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: 50.535+/-68.676 χ^2/NDF : 6.3/5

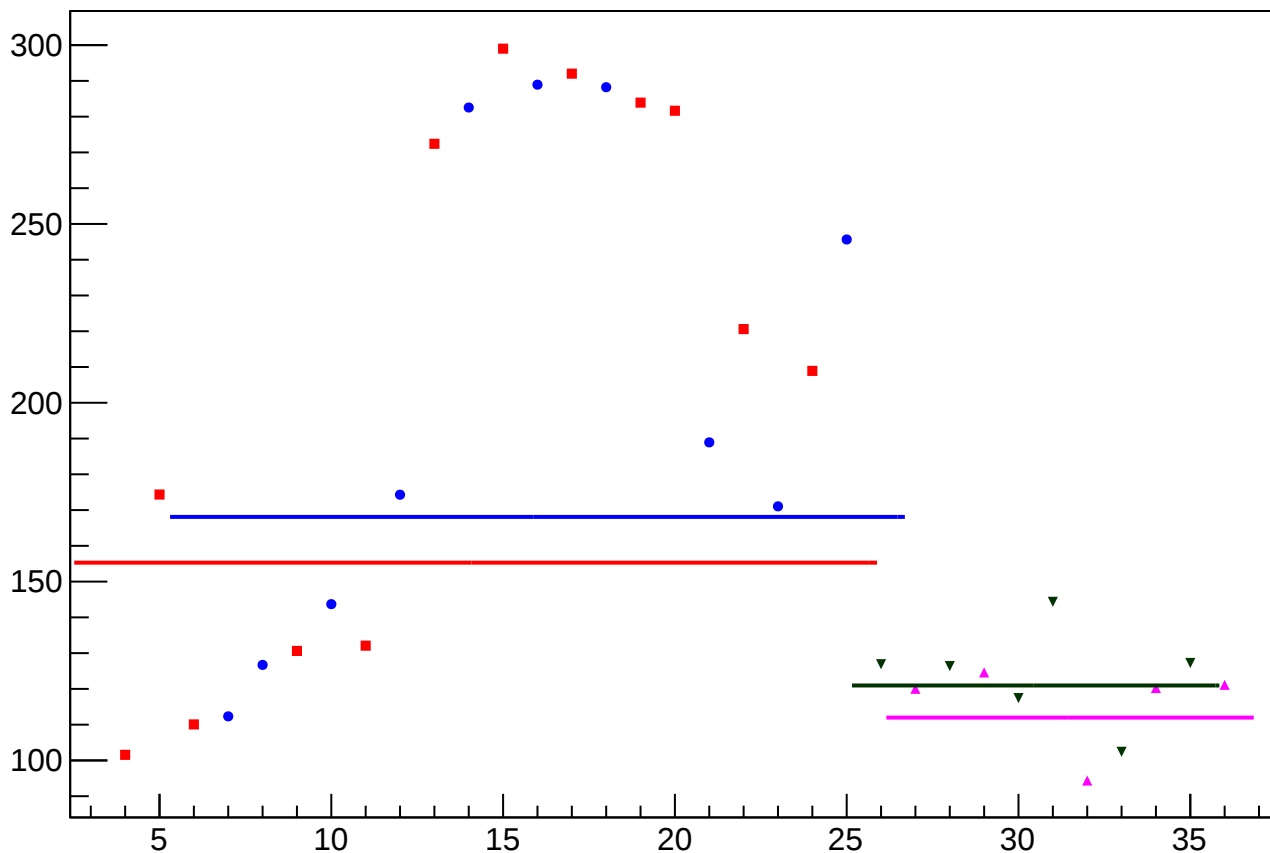
Right Out: 61.917+/-66.769 χ^2/NDF : 6.8/11

Left In: 0.081+/-60.208 χ^2/NDF : 0.2/4

34.316+/-49.034 χ^2/NDF : 7.3/15

27.812+/-44.714 χ^2/NDF : 7.4/16

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: 120.955 $\pm$ 0.049 χ^2 /NDF: 61041.1/5

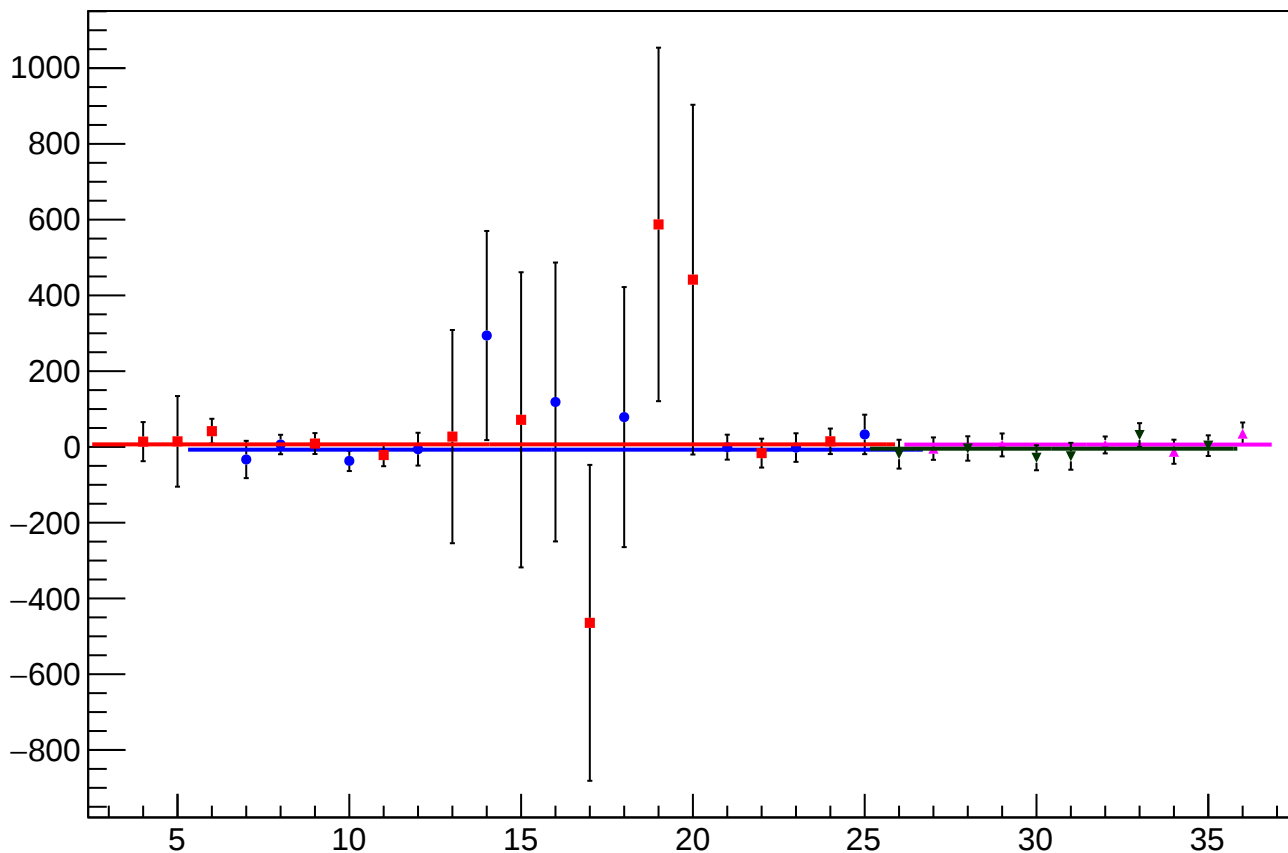
144.061 $\pm$ 0.035 χ^2 /NDF: 1759182.4/15

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

131.406 $\pm$ 0.032 χ^2 /NDF: 2340143.7/16

Left In: 111.978 $\pm$ 0.043 χ^2 /NDF: 95263.0/4

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: -4.664+/-13.211 χ^2/NDF : 2.4/5

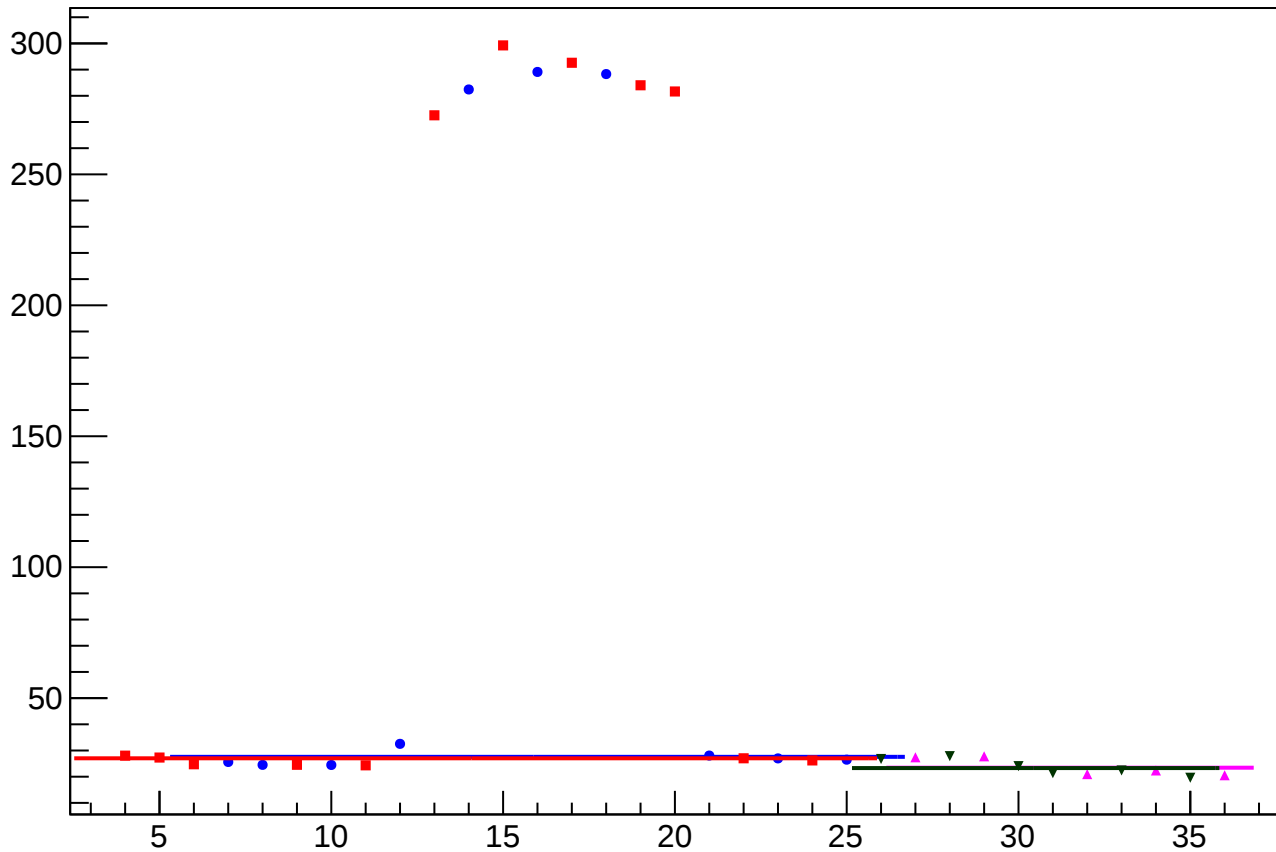
Right Out: 6.763+/-13.545 χ^2/NDF : 6.3/11

Left In: 6.191+/-12.507 χ^2/NDF : 1.5/4

-5.967+/-9.284 χ^2/NDF : 6.2/15

6.454+/-9.189 χ^2/NDF : 7.7/16

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: 23.293 ± 0.009 χ^2/NDF : 101884.1/5

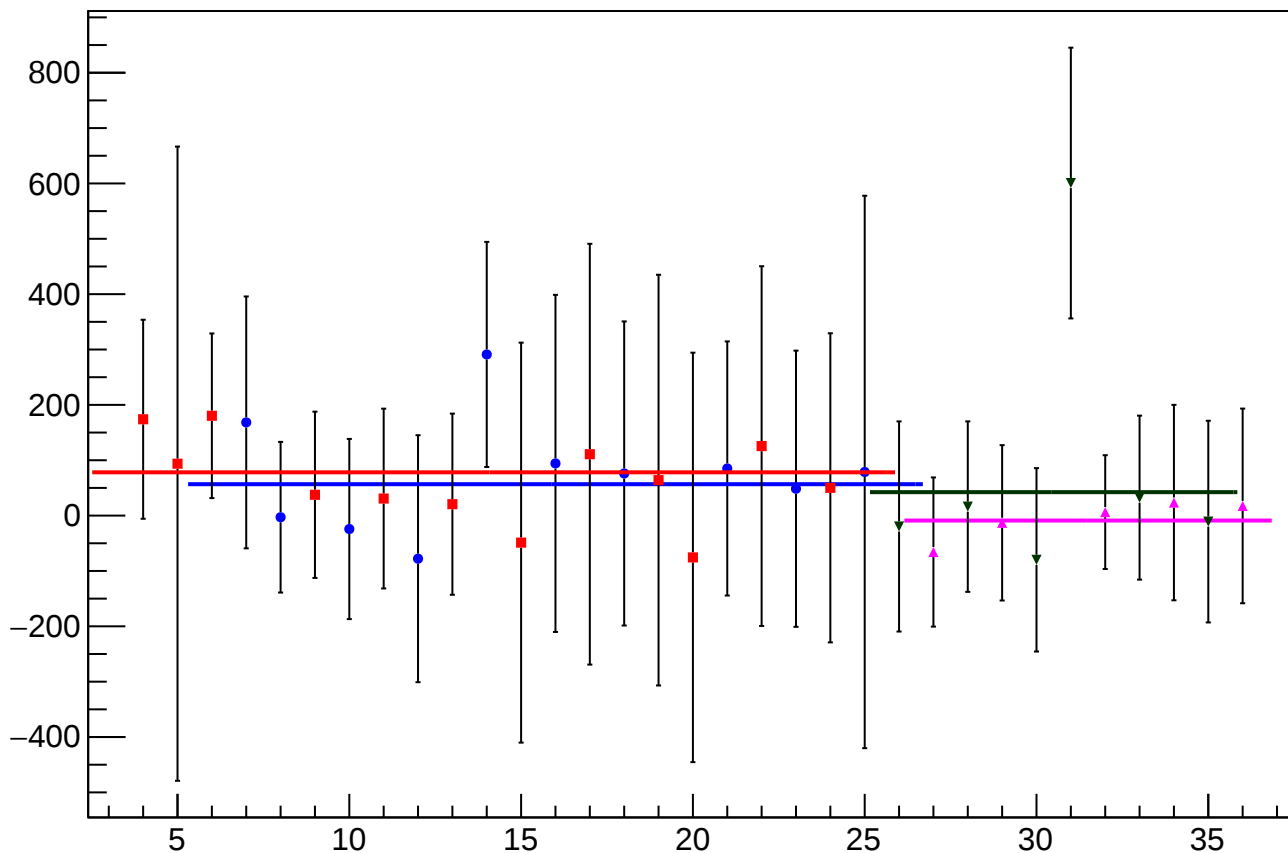
Right Out: 27.023 ± 0.010 χ^2/NDF : 4568943.2/11

Left In: 23.434 ± 0.009 χ^2/NDF : 122901.9/4

25.464 ± 0.007 χ^2/NDF : 4162399.6/15

25.086 ± 0.006 χ^2/NDF : 4767632.9/16

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs slug



Right In: 56.719 $\pm$ 67.654 χ^2 /NDF: 2.4/9

Left Out: 42.348 $\pm$ 70.920 χ^2 /NDF: 6.0/5

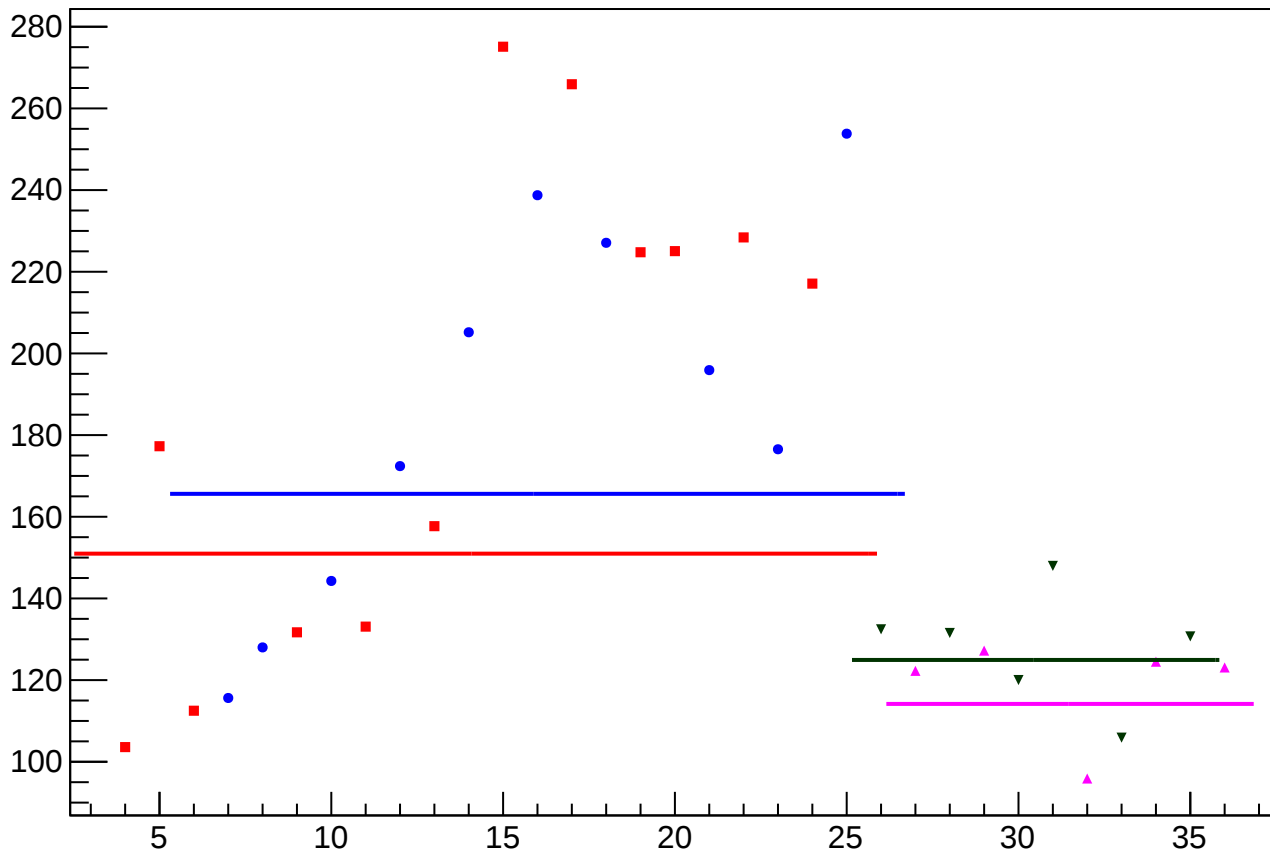
Right Out: 78.185 $\pm$ 63.204 χ^2 /NDF: 1.4/11

Left In: -8.932 $\pm$ 61.425 χ^2 /NDF: 0.3/4

49.872 $\pm$ 48.952 χ^2 /NDF: 8.4/15

33.384 $\pm$ 44.050 χ^2 /NDF: 2.6/16

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: 124.936 $\pm$ 0.050 χ^2 /NDF: 61318.2/5

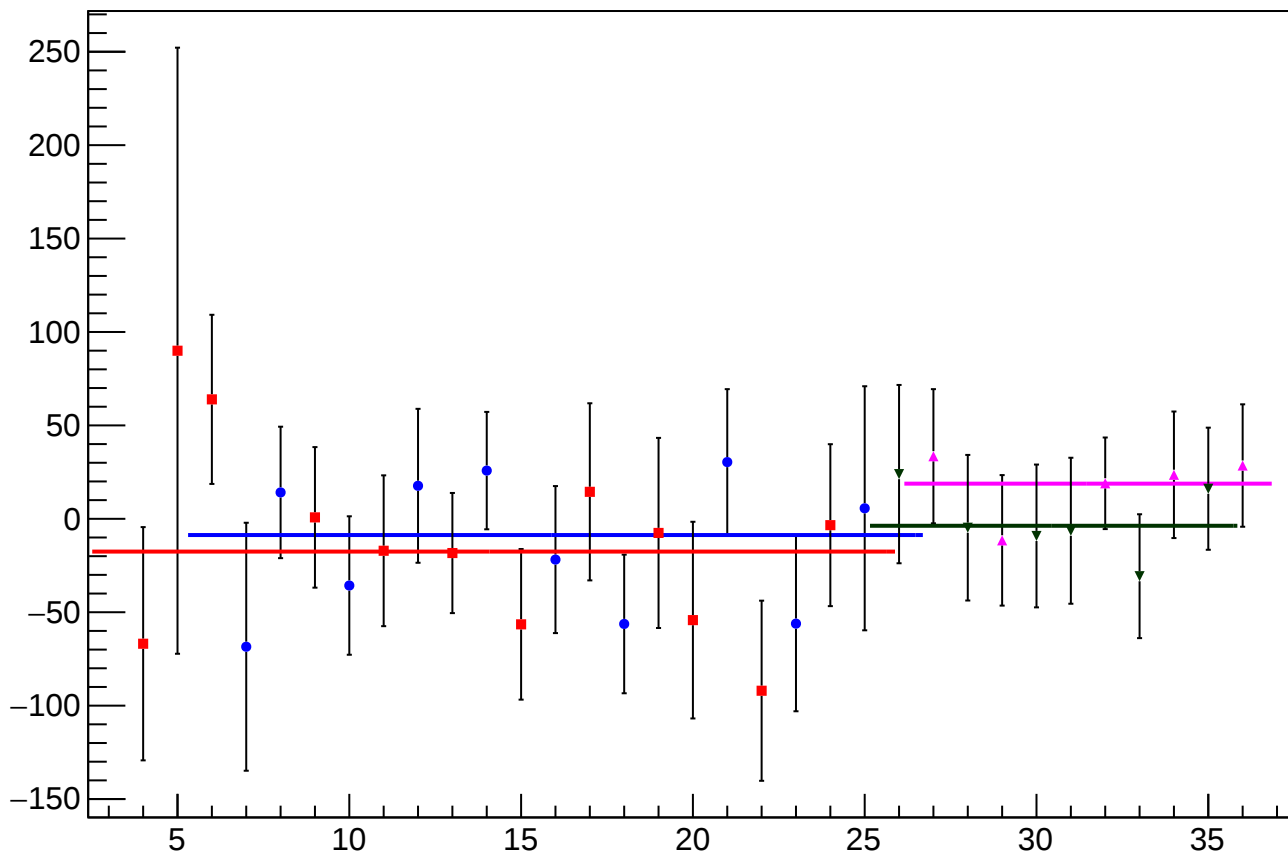
146.233 $\pm$ 0.035 χ^2 /NDF: 1083815.2/15

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

132.043 $\pm$ 0.031 χ^2 /NDF: 1590280.4/16

Left In: 114.168 $\pm$ 0.043 χ^2 /NDF: 99755.5/4

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs slug



Right In: -8.681 $\pm$ 12.821 χ^2 /NDF: 7.2/9

Left Out: -3.725 $\pm$ 15.279 χ^2 /NDF: 1.4/5

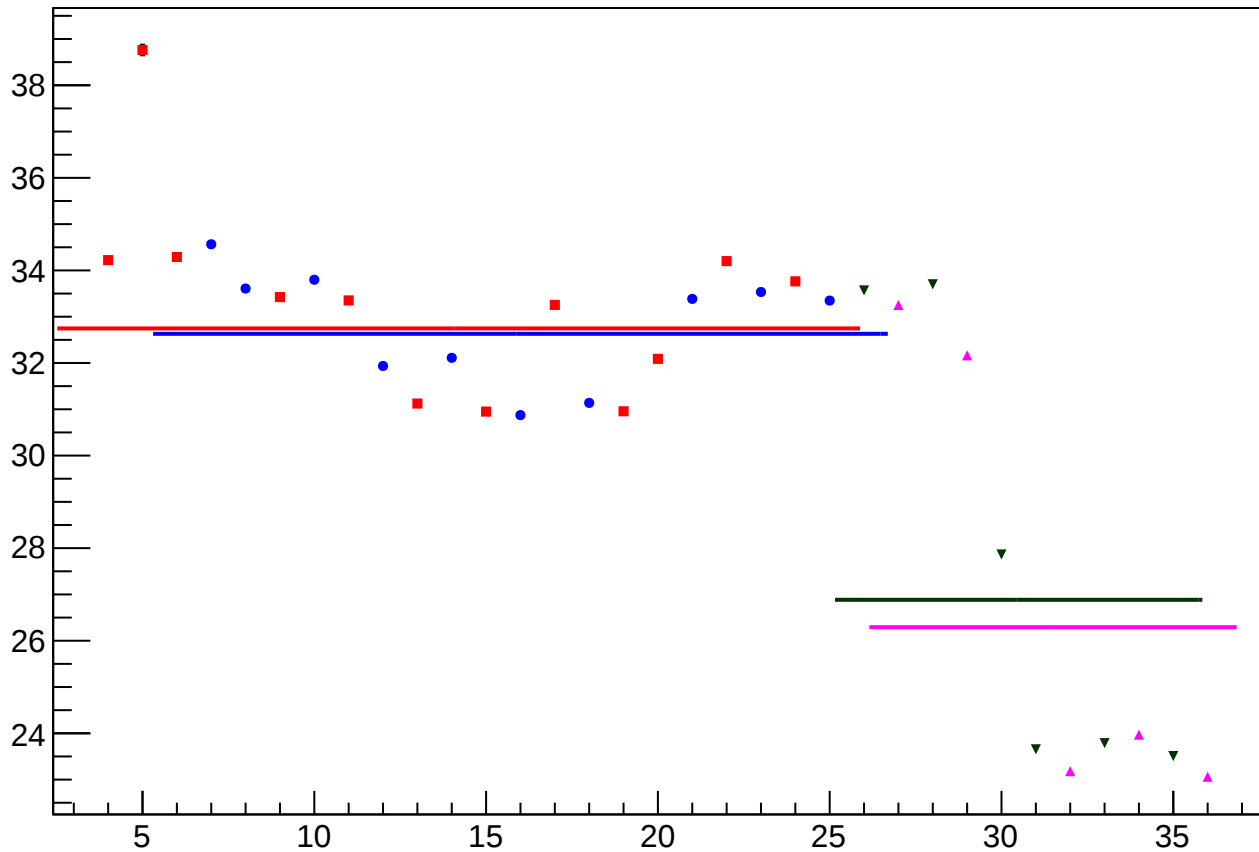
Right Out: -17.538 $\pm$ 13.085 χ^2 /NDF: 8.9/11

Left In: 18.820 $\pm$ 14.054 χ^2 /NDF: 1.0/4

-6.633 $\pm$ 9.821 χ^2 /NDF: 8.7/15

-0.655 $\pm$ 9.577 χ^2 /NDF: 13.6/16

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: 26.884+/-0.011 χ^2/NDF :154214.6/5

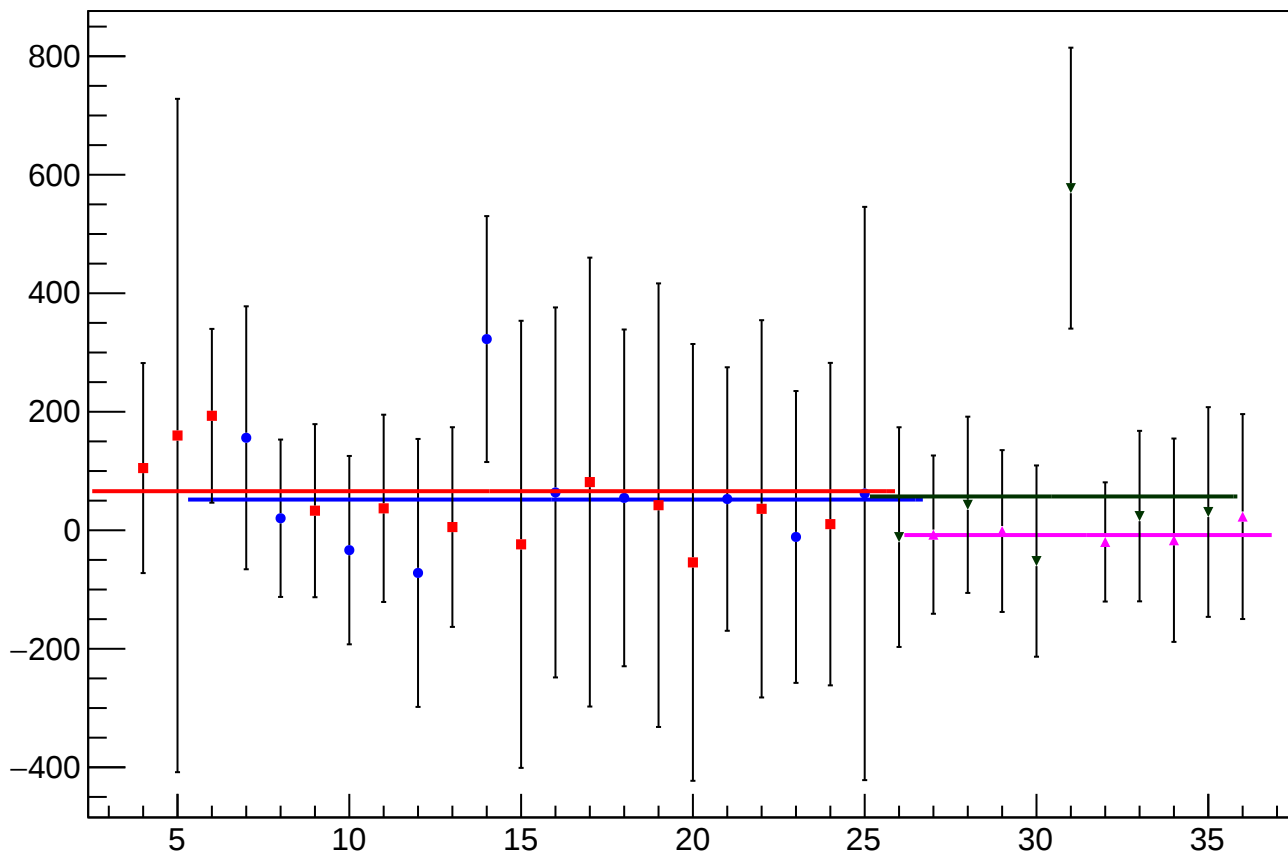
Right Out: 32.747+/-0.009 χ^2/NDF : 22297.5/11

Left In: 26.293+/-0.010 χ^2/NDF :192747.1/4

30.256+/-0.007 χ^2/NDF : 335515.8/15

29.750+/-0.007 χ^2/NDF : 441006.1/16

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: 57.070 $\pm$ 68.885 χ^2/NDF : 5.5/5

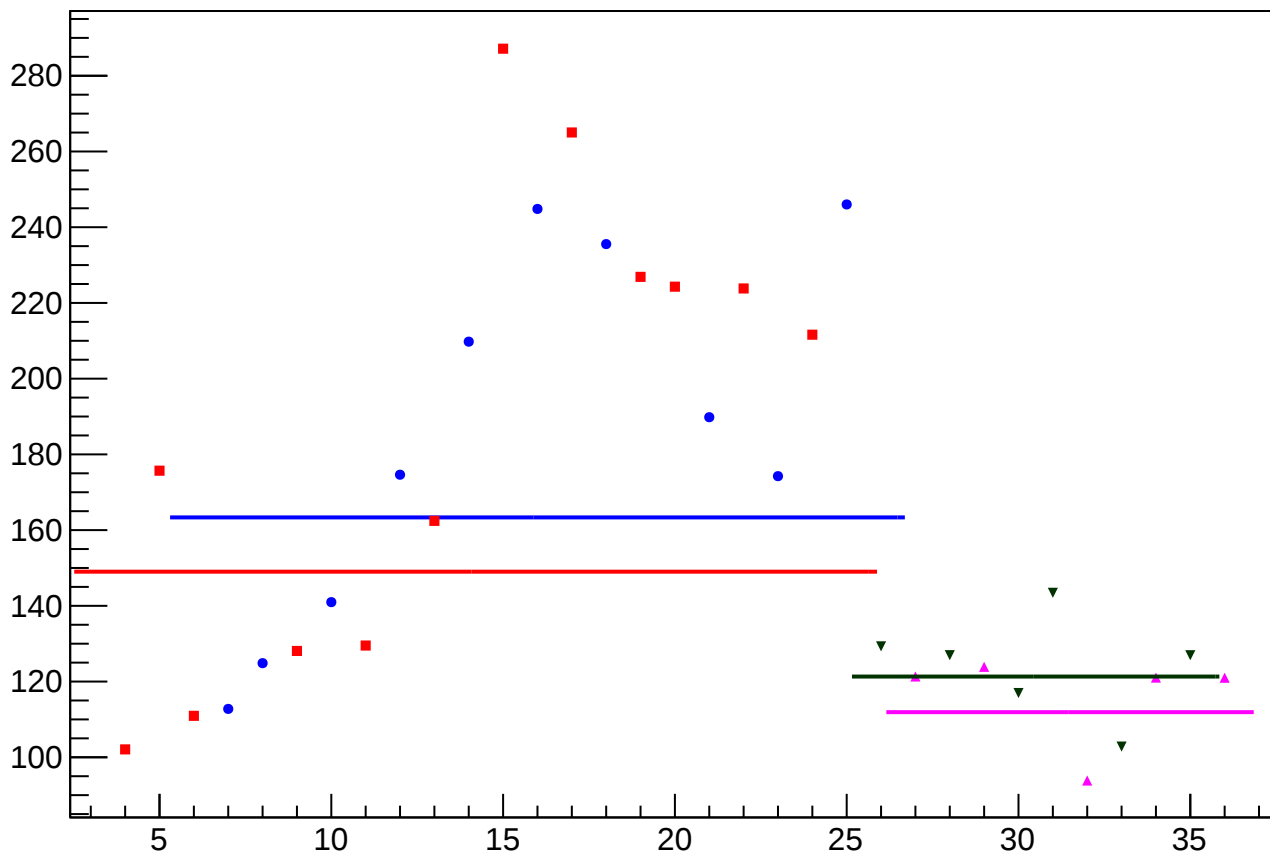
Right Out: 65.954 $\pm$ 62.568 χ^2/NDF : 1.3/11

Left In: -8.049 $\pm$ 60.203 χ^2/NDF : 0.1/4

54.378 $\pm$ 48.015 χ^2/NDF : 8.1/15

27.527 $\pm$ 43.382 χ^2/NDF : 2.0/16

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: 121.322+/-0.049 χ^2/NDF : 60531.6/5

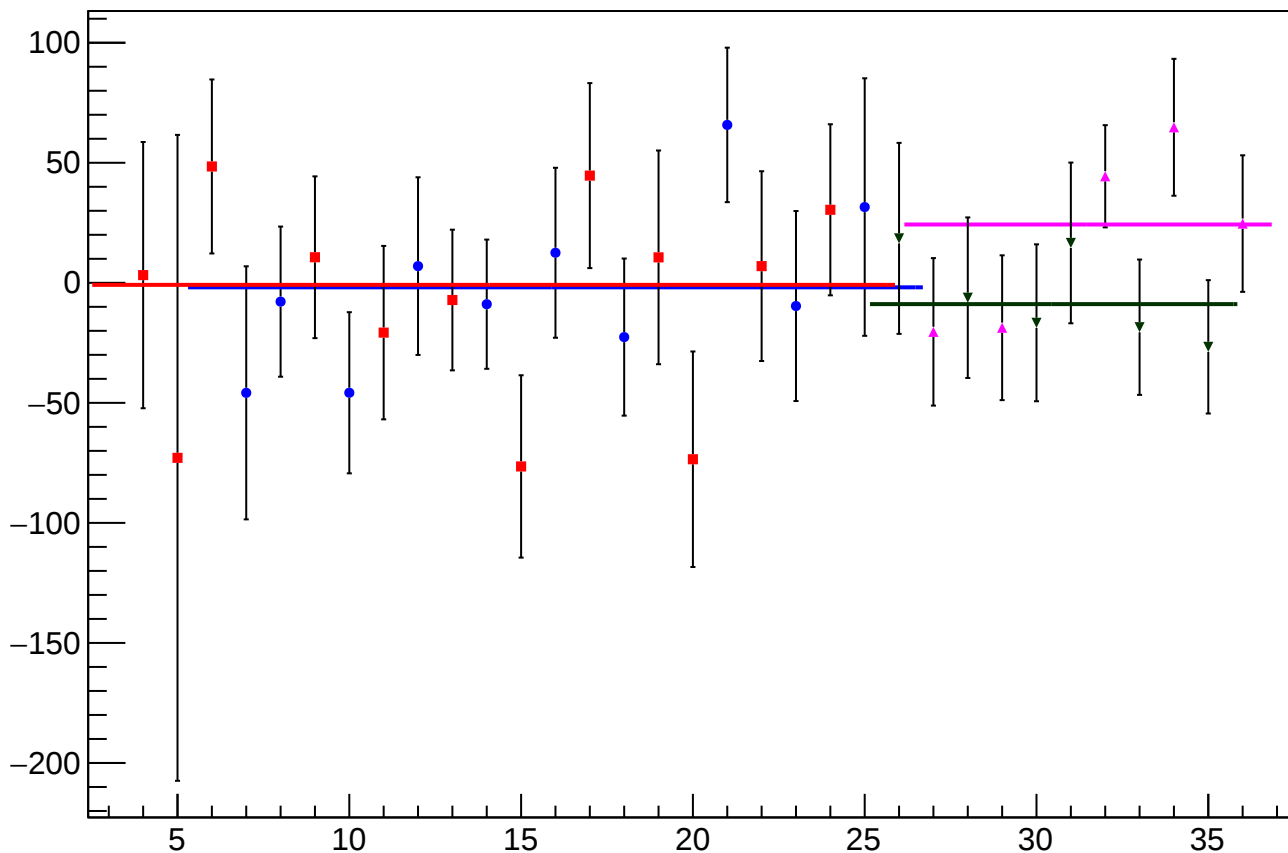
142.933+/-0.034 χ^2/NDF : 1216002.4/15

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

129.756+/-0.031 χ^2/NDF : 1671792.5/16

Left In: 111.920+/-0.043 χ^2/NDF : 100986.7/4

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs slug



Right In: -1.881 ± 11.135 χ^2/NDF : 8.0/9

Left Out: -8.872 ± 13.007 χ^2/NDF : 1.6/5

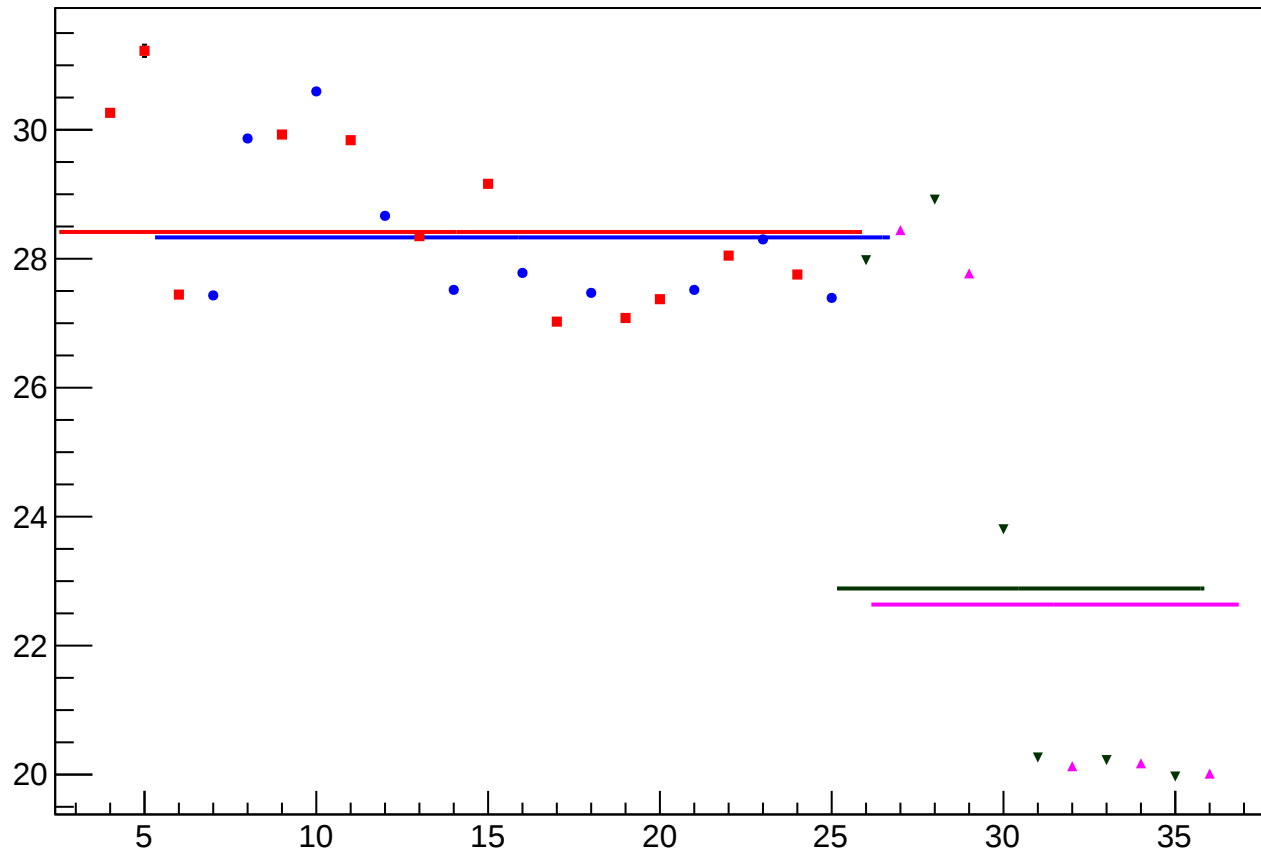
Right Out: -0.853 ± 11.359 χ^2/NDF : 11.5/11

Left In: 24.290 ± 12.097 χ^2/NDF : 7.1/4

-4.837 ± 8.459 χ^2/NDF : 9.8/15

10.928 ± 8.281 χ^2/NDF : 20.8/16

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: 22.886+/-0.009 χ^2/NDF :151559.3/5

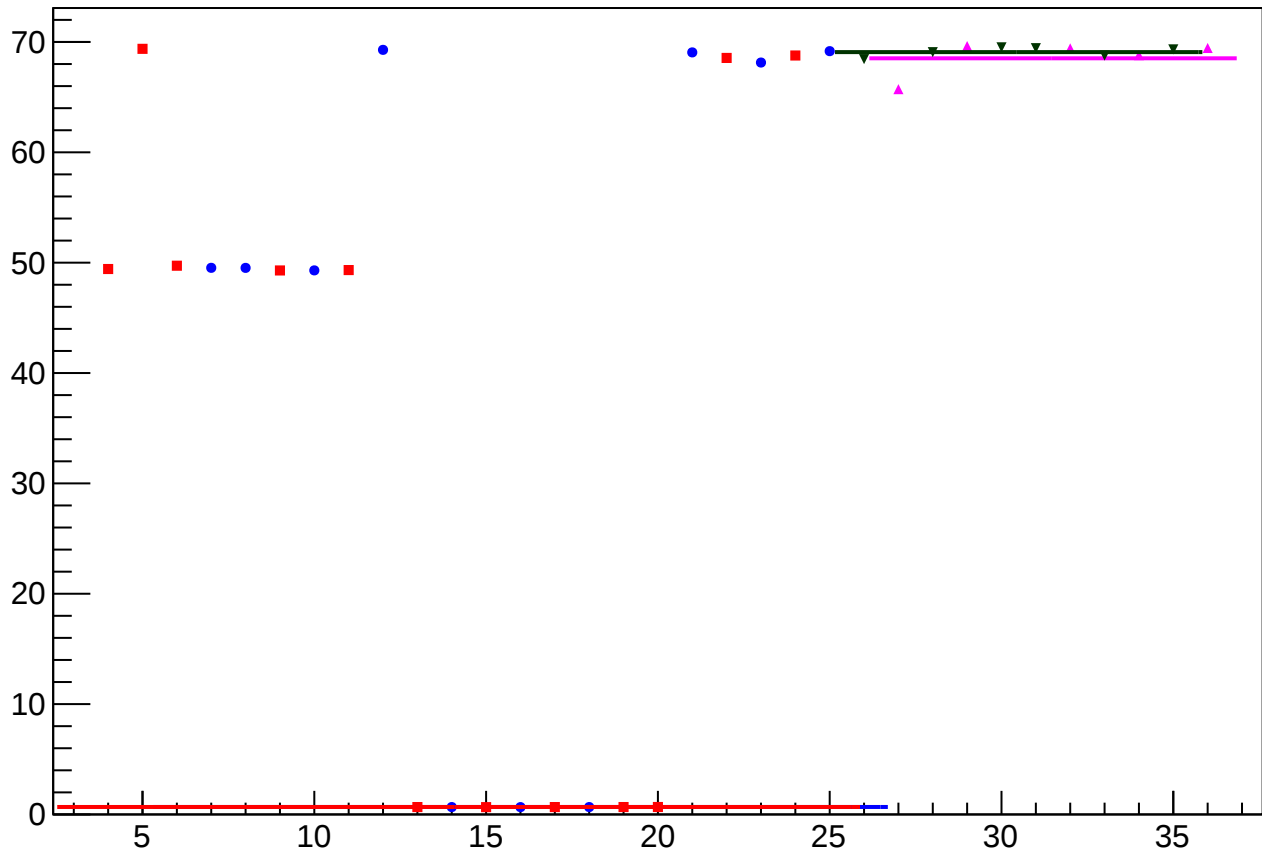
Right Out: 28.415+/-0.008 χ^2/NDF : 18780.8/11

Left In: 22.637+/-0.009 χ^2/NDF :189149.9/4

26.028+/-0.006 χ^2/NDF : 374074.6/15

25.708+/-0.006 χ^2/NDF : 450430.3/16

yield_bcm_an_ds_mean vs slug



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

Left Out: 69.081+/-0.000 χ^2/NDF :13616124.6/5

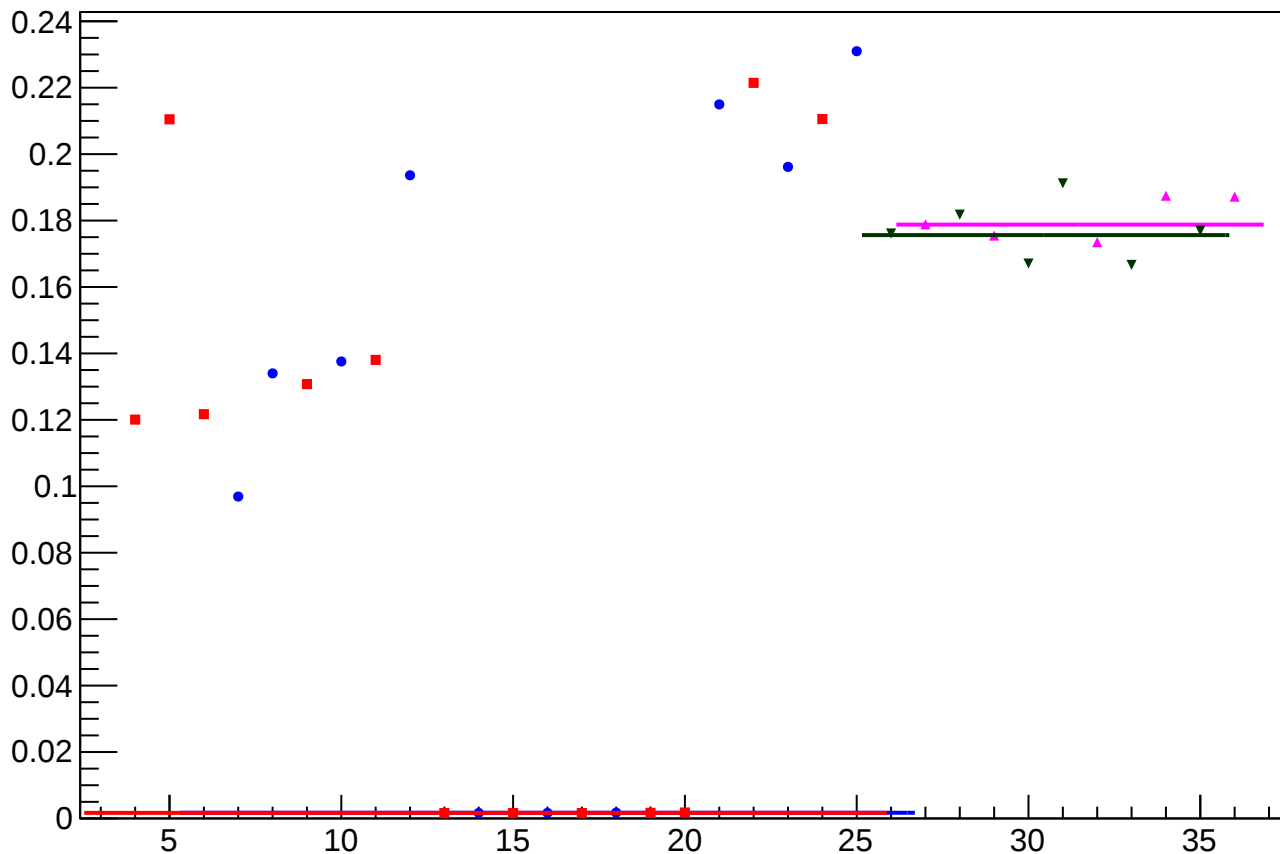
0.686+/-0.000 χ^2/NDF : 951652172248.9/15

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

0.685+/-0.000 χ^2/NDF : 933289645369.1/16

Left In: 68.519+/-0.000 χ^2/NDF :267867917.3/4

yield_bcm_an_ds_rms vs slug



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

Left Out: 0.176+/-0.000 χ^2/NDF :11949.6/5

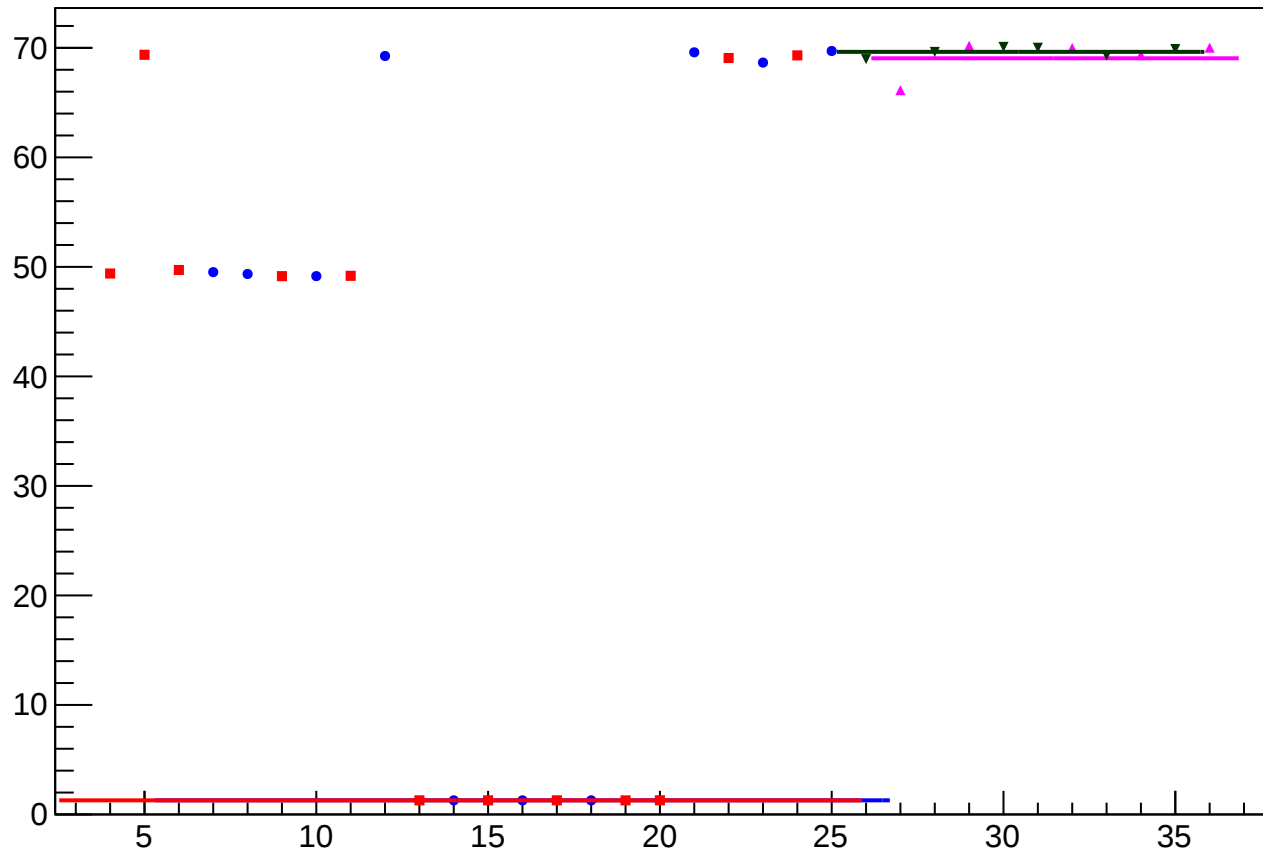
Right Out: 0.002+/-0.000 χ^2/NDF : 6636068.7/11

Left In: 0.179+/-0.000 χ^2/NDF :6198.4/4

0.002+/-0.000 χ^2/NDF : 13560687.1/15

0.002+/-0.000 χ^2/NDF : 13403068.0/16

yield_bcm_an_ds3_mean vs slug



Right In: 1.290 $\pm$ 0.000 χ^2 /NDF: 493068682652.8/9

Left Out: 69.635 $\pm$ 0.000 χ^2 /NDF:14193715.8/5

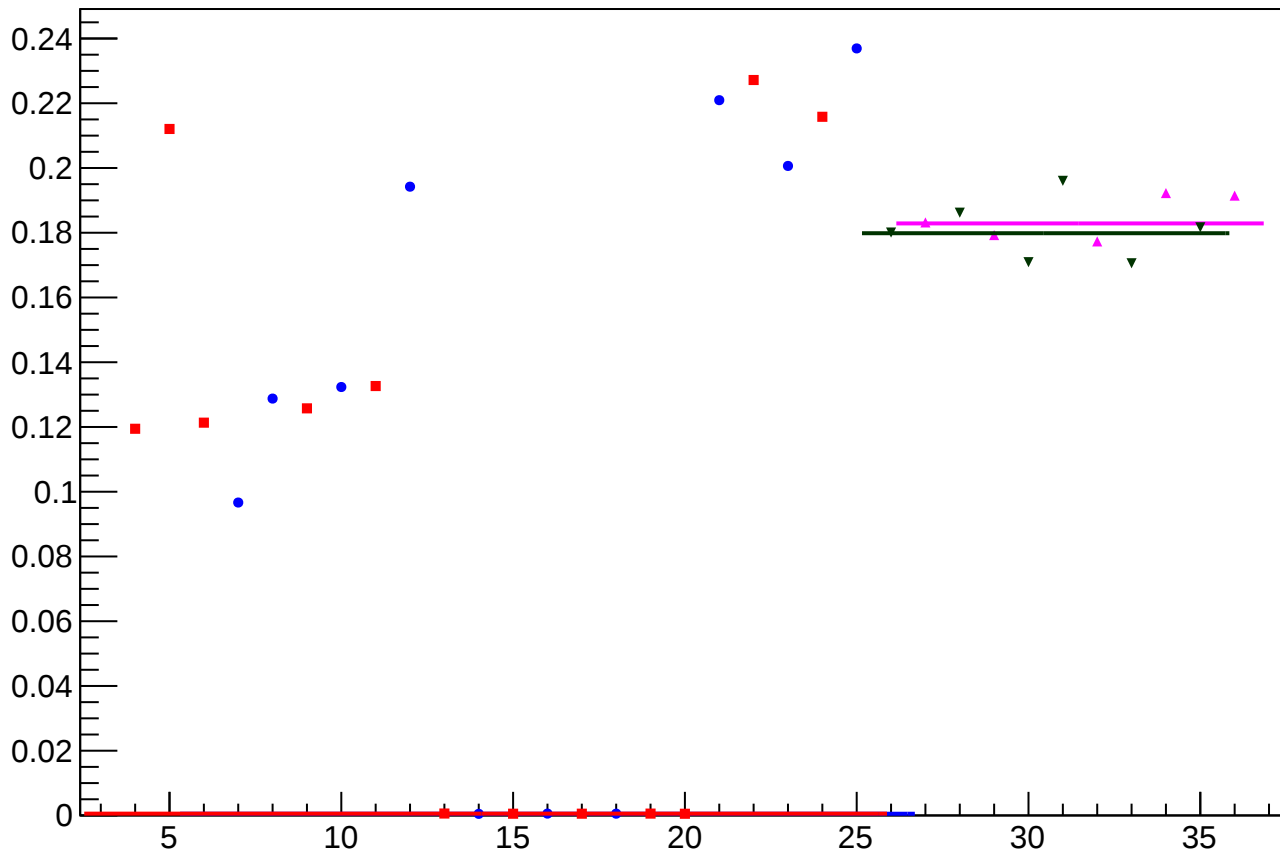
1.291 $\pm$ 0.000 χ^2 /NDF: 928640389621.7/15

Right Out: 1.289 $\pm$ 0.000 χ^2 /NDF: 437398241389.8/11

1.290 $\pm$ 0.000 χ^2 /NDF: 910522992228.6/16

Left In: 69.048 $\pm$ 0.000 χ^2 /NDF:276687677.6/4

yield_bcm_an_ds3_rms vs slug



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

Left Out: 0.180+/-0.000 χ^2/NDF :12298.8/5

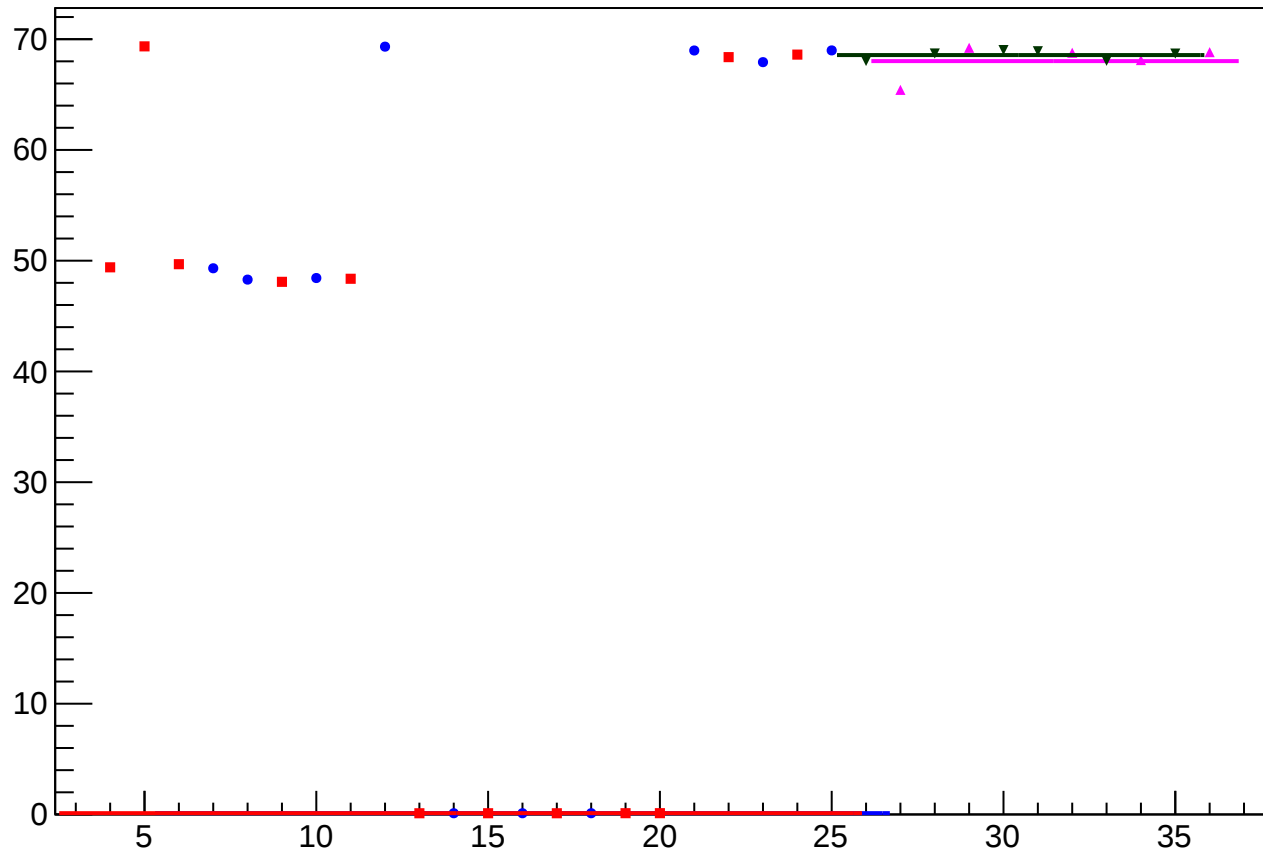
Right Out: 0.001+/-0.000 χ^2/NDF : 6741519.4/11

Left In: 0.183+/-0.000 χ^2/NDF :6586.1/4

0.001+/-0.000 χ^2/NDF : 13772156.9/15

0.001+/-0.000 χ^2/NDF : 13594786.5/16

yield_bcm_an_us_mean vs slug



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

Left Out: 68.566+/-0.000 χ^2/NDF :14855533.4/5

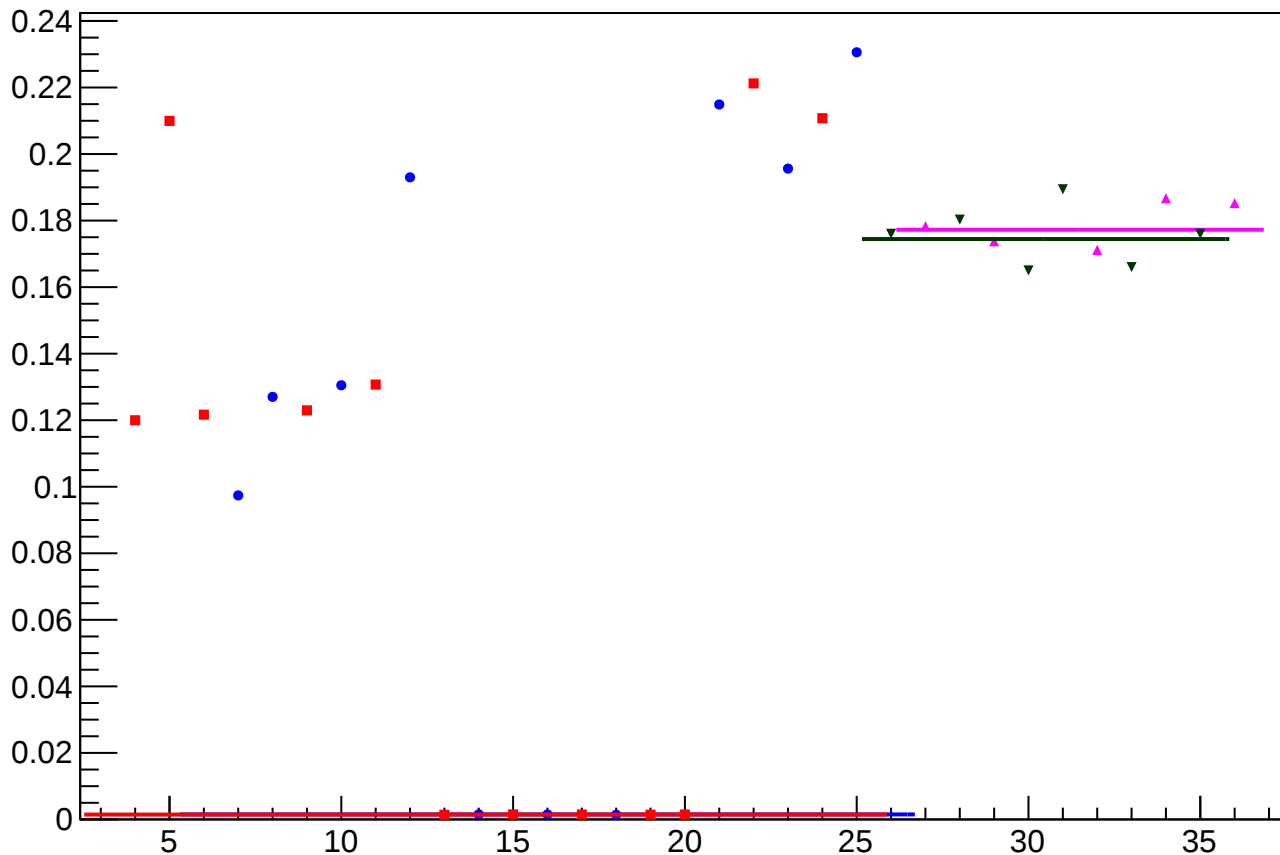
0.125+/-0.000 χ^2/NDF : 979084968500.7/15

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

0.123+/-0.000 χ^2/NDF : 964833776814.4/16

Left In: 68.020+/-0.000 χ^2/NDF :237508022.7/4

yield_bcm_an_us_rms vs slug



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

Left Out: 0.174+/-0.000 χ^2/NDF :11947.5/5

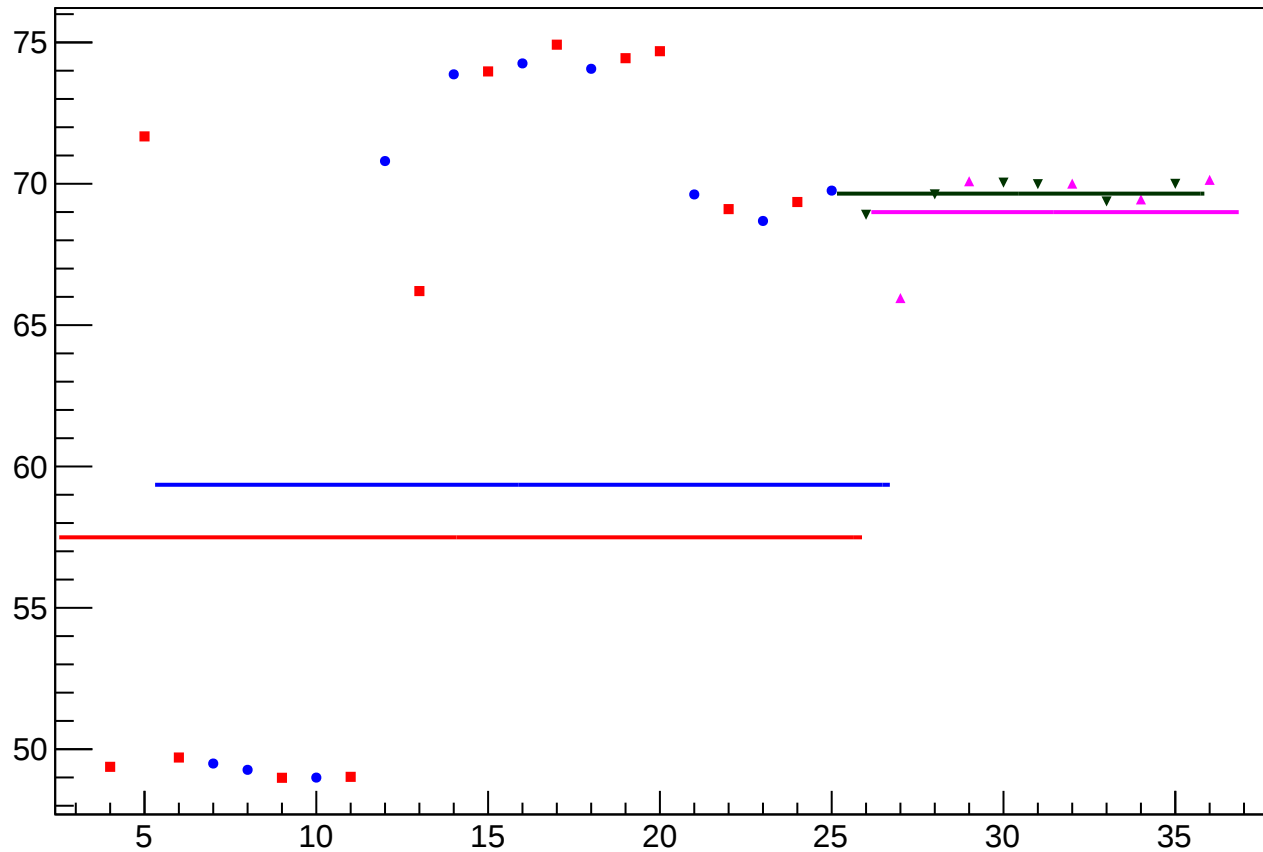
Right Out: 0.001+/-0.000 χ^2/NDF : 6649150.6/11

Left In: 0.177+/-0.000 χ^2/NDF :7136.5/4

0.002+/-0.000 χ^2/NDF : 13564524.0/15

0.001+/-0.000 χ^2/NDF : 13429100.4/16

yield_bcm_dg_us_mean vs slug



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

Left Out: 69.652+/-0.000 χ^2/NDF :13840642.9/5

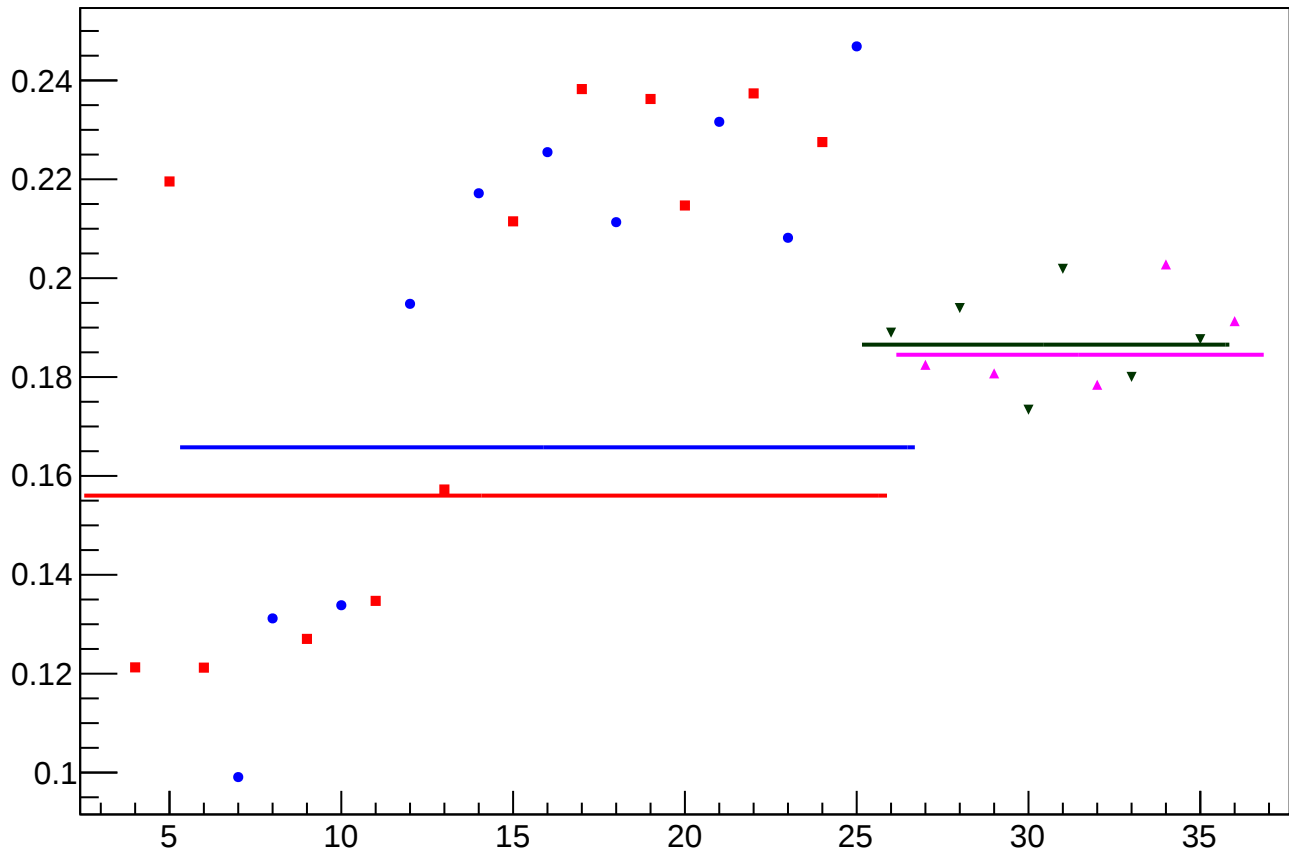
62.379+/-0.000 χ^2/NDF : 33705194794.4/15

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

61.023+/-0.000 χ^2/NDF : 34863093499.4/16

Left In: 68.997+/-0.000 χ^2/NDF :301108702.6/4

yield_bcm_dg_us_rms vs slug



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

Left Out: 0.187+/-0.000 χ^2/NDF :13538.0/5

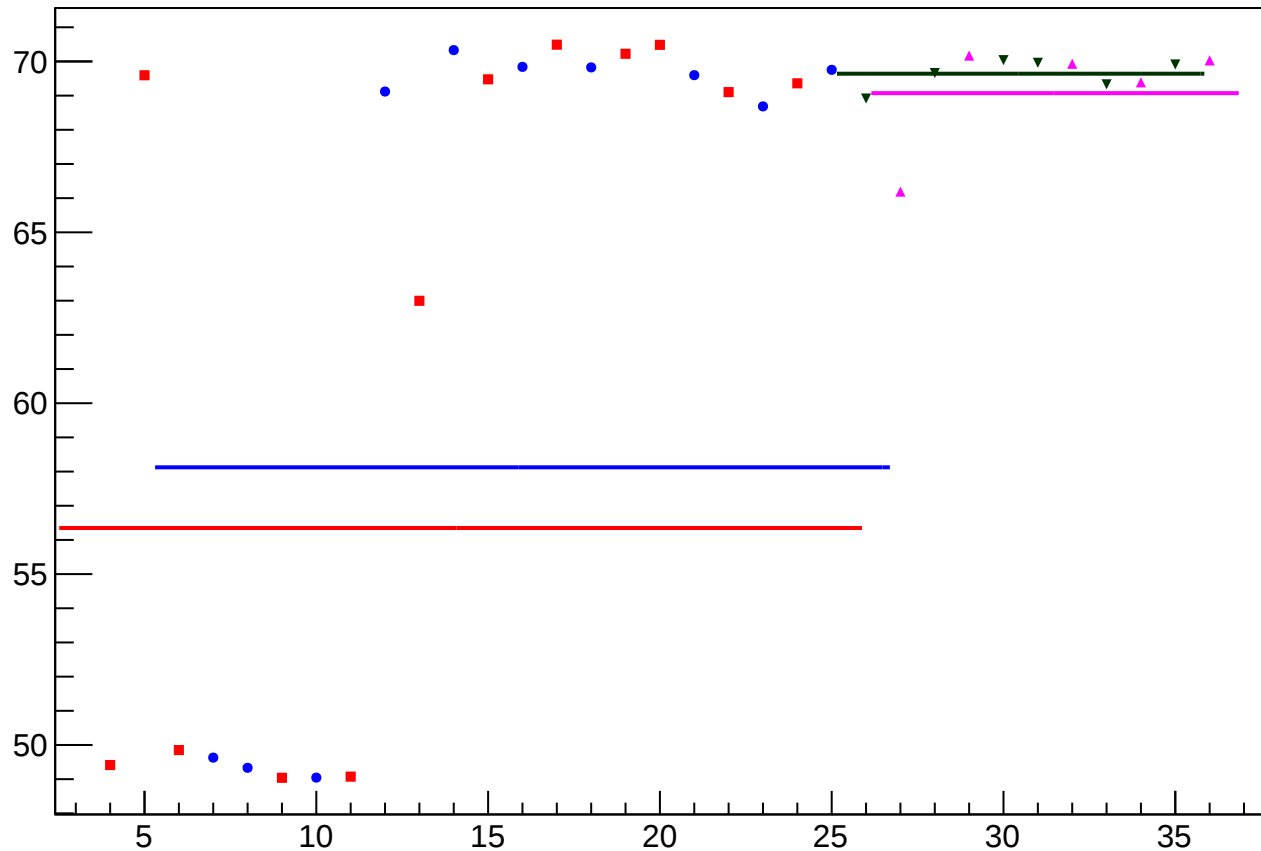
0.172+/-0.000 χ^2/NDF : 979569.8/15

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

0.165+/-0.000 χ^2/NDF : 954056.8/16

Left In: 0.185+/-0.000 χ^2/NDF :12075.6/4

yield_bcm_dg_ds_mean vs slug



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

Left Out: 69.641+/-0.000 χ^2/NDF :13947151.7/5

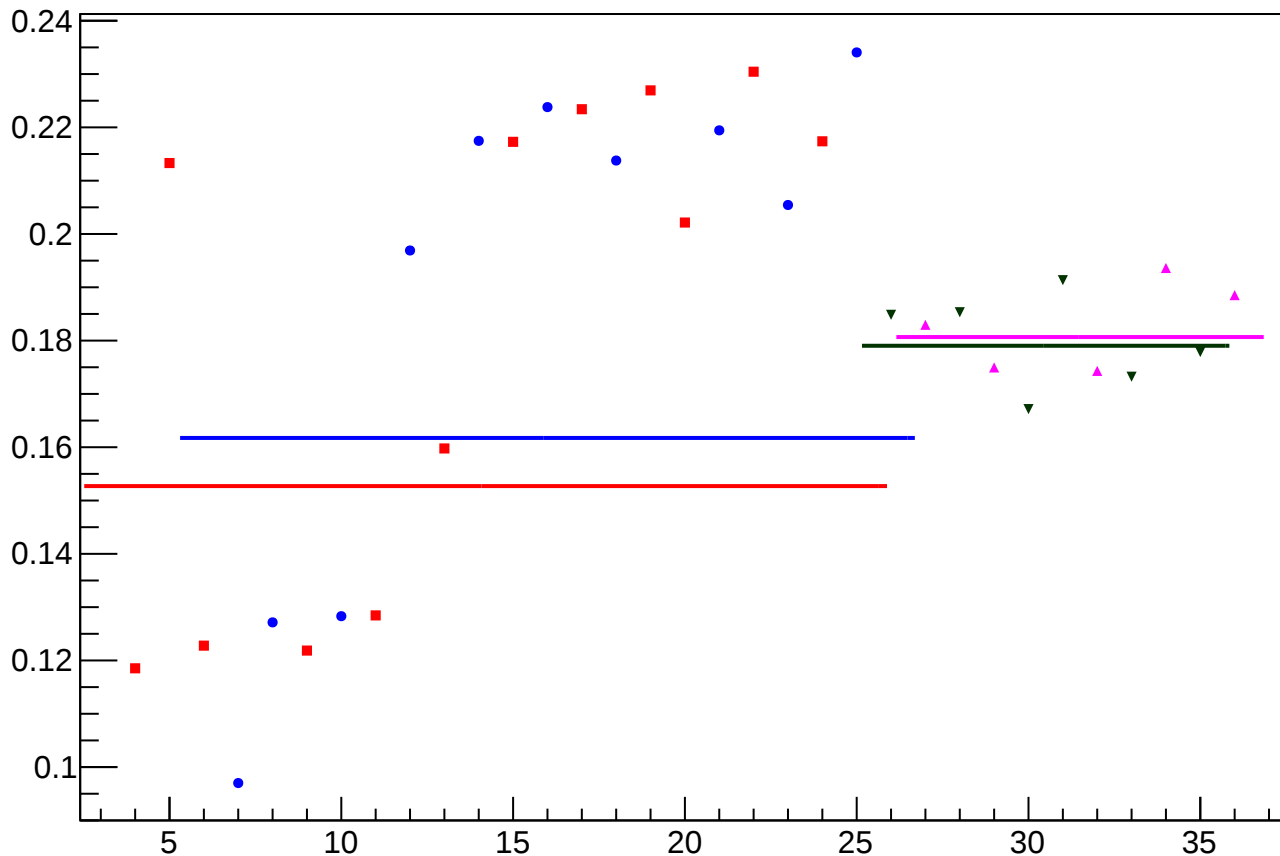
Right Out: 56.349+/-0.000 χ^2/NDF : 19763904601.6/11

Left In: 69.073+/-0.000 χ^2/NDF :268040637.3/4

61.597+/-0.000 χ^2/NDF : 31029074880.0/15

60.256+/-0.000 χ^2/NDF : 31852188702.3/16

yield_bcm_dg_ds_rms vs slug



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

Left Out: 0.179+/-0.000 χ^2/NDF : 11814.9/5

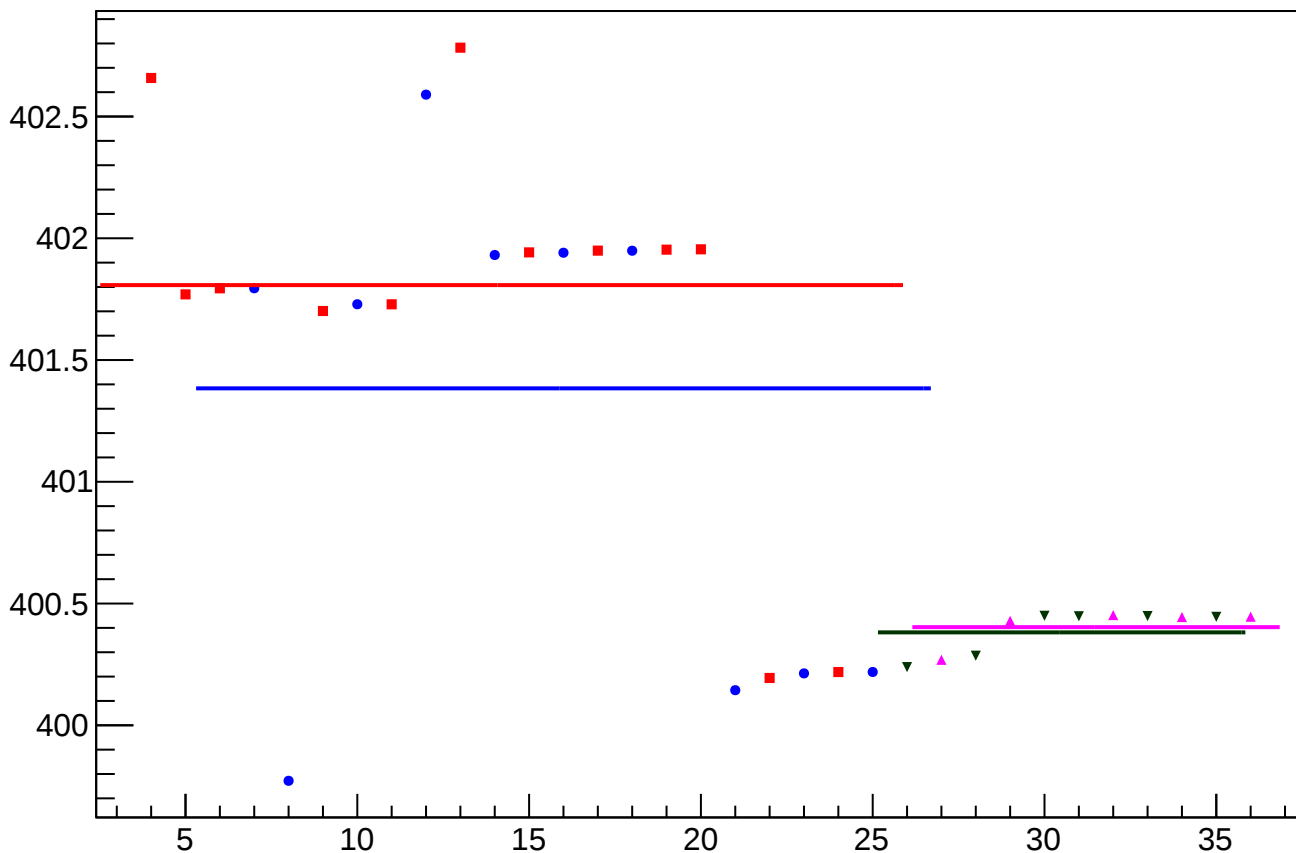
Right Out: 0.153+/-0.000 χ^2/NDF : 810658.6/11

Left In: 0.181+/-0.000 χ^2/NDF : 10303.3/4

0.167+/-0.000 χ^2/NDF : 1023482.6/15

0.161+/-0.000 χ^2/NDF : 935116.6/16

yield_cav4bQ_mean vs slug



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

Left Out: 400.382+/-0.000 χ^2/NDF : 519337772.1/5

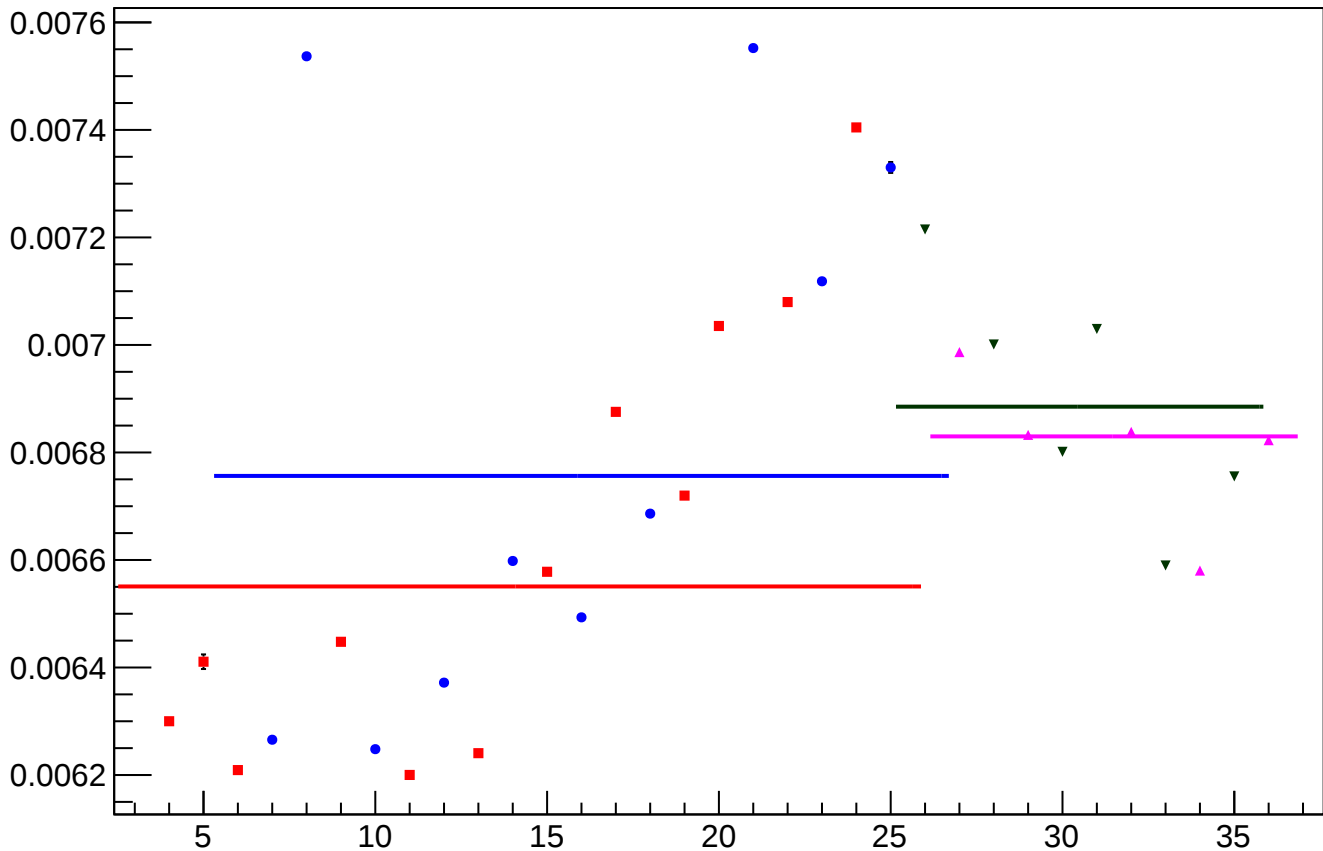
Right Out: 401.808+/-0.000 χ^2/NDF : 85007940378.6/11

Left In: 400.403+/-0.000 χ^2/NDF : 413709566.2/4

401.060+/-0.000 χ^2/NDF : 168551896224.6/15

401.328+/-0.000 χ^2/NDF : 185522735125.3/16

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 : 5391.9/5

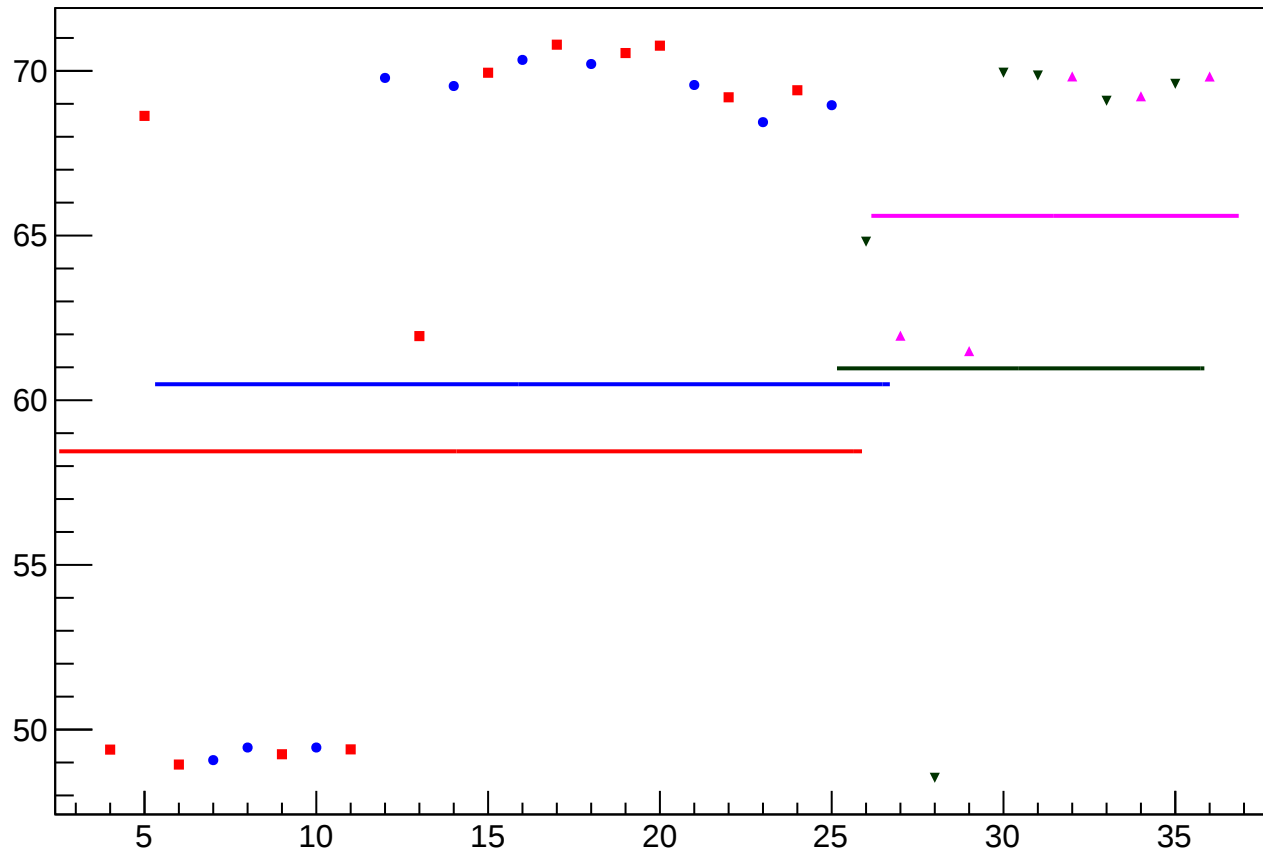
Right Out: 0.007+/-0.000 χ^2/NDF : 42109.3/11

Left In: 0.007+/-0.000 χ^2/NDF : 2308.7/4

0.007+/-0.000 χ^2/NDF : 69881.3/15

0.007+/-0.000 χ^2/NDF : 52325.1/16

yield_cav4cQ_mean vs slug



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

Left Out: 60.968 ± 0.000 χ^2/NDF : 6626632731.3/5

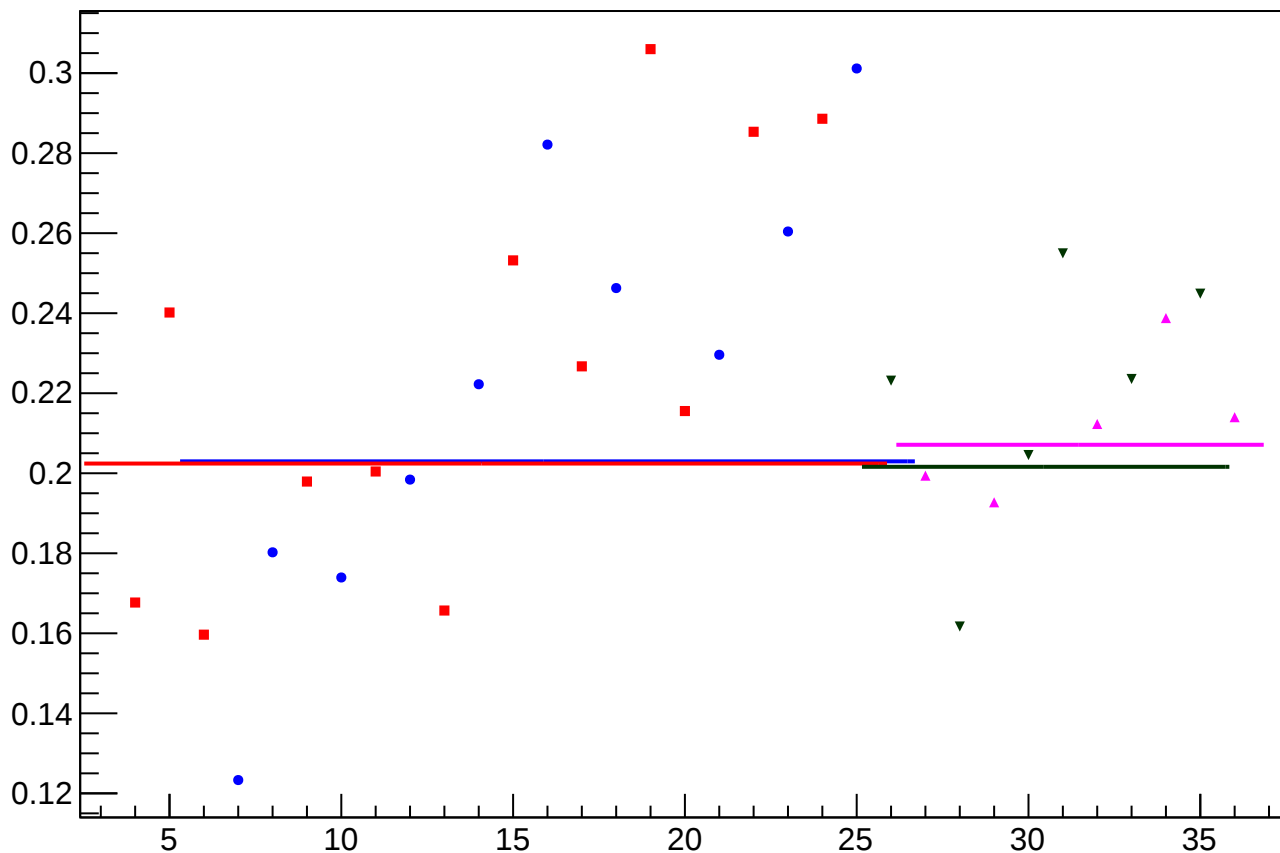
60.646 ± 0.000 χ^2/NDF : 20578615309.5/15

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

61.062 ± 0.000 χ^2/NDF : 14972634696.8/16

Left In: 65.599 ± 0.000 χ^2/NDF : 1187616774.9/4

yield_cav4cQ_rms vs slug



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

Left Out: 0.202 ± 0.000 χ^2/NDF : 157944.2/5

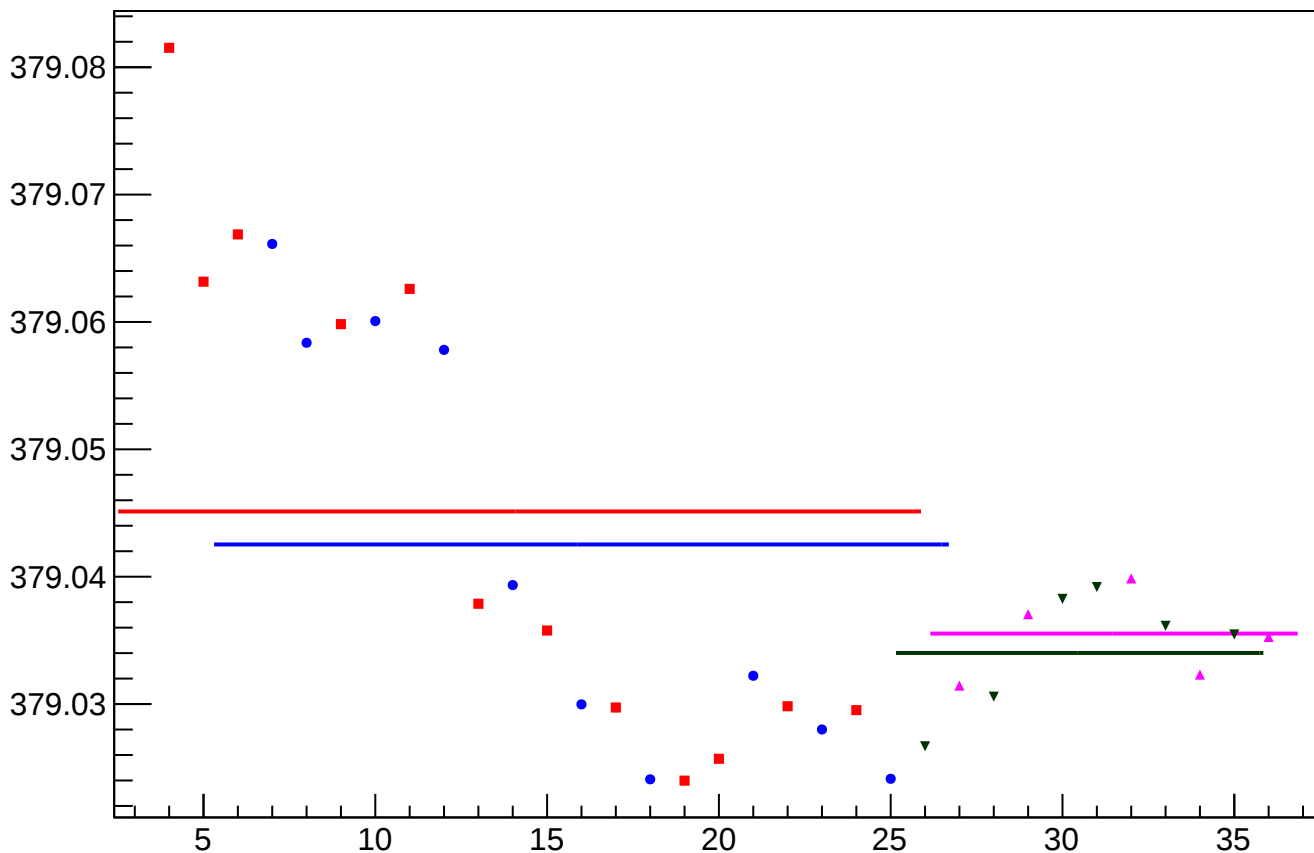
Right Out: 0.202 ± 0.000 χ^2/NDF : 477643.7/11

Left In: 0.207 ± 0.000 χ^2/NDF : 28870.3/4

0.203 ± 0.000 χ^2/NDF : 667502.2/15

0.204 ± 0.000 χ^2/NDF : 508595.8/16

yield_cav4dQ_mean vs slug



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

Left Out: 379.034+/-0.000 χ^2/NDF :1224899.9/5

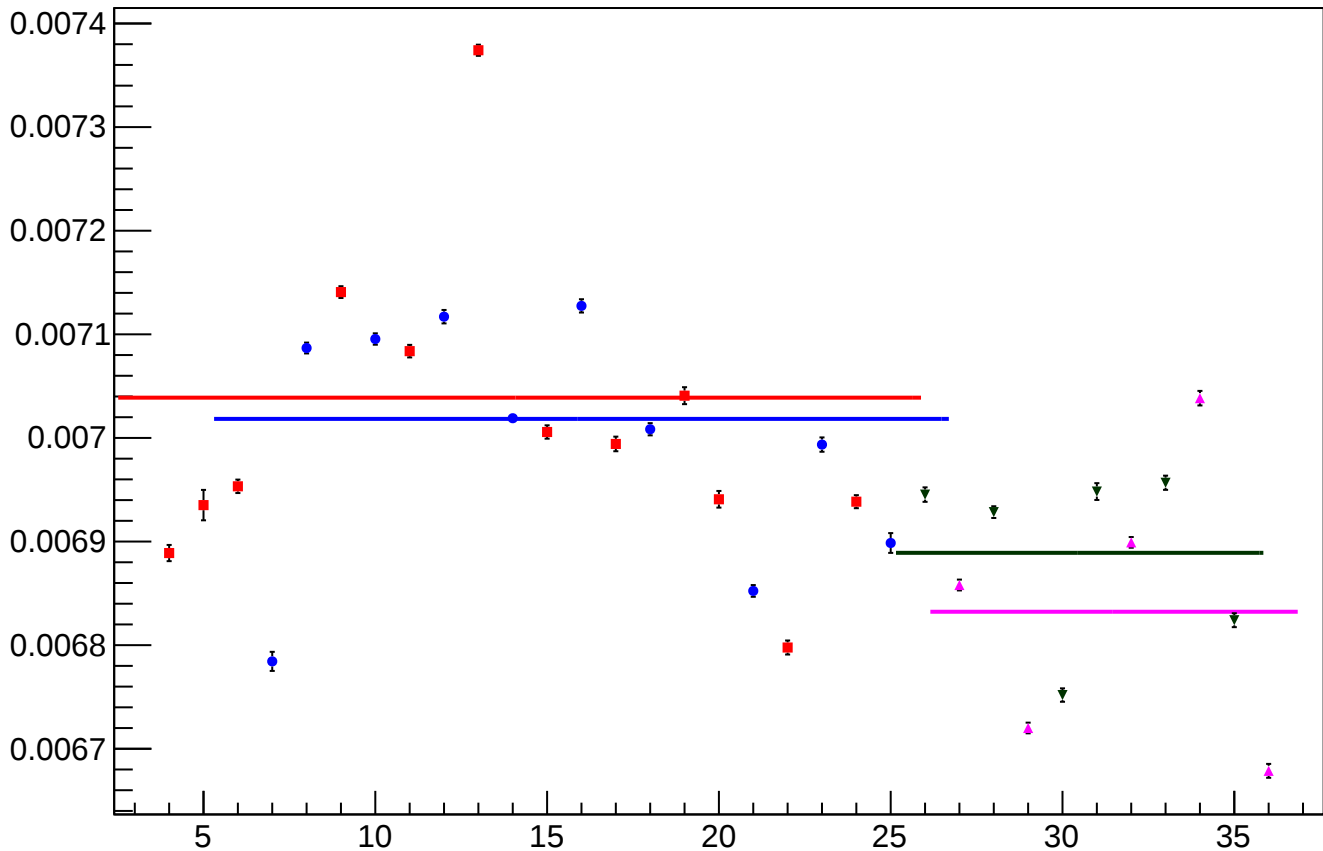
Right Out: 379.045+/-0.000 χ^2/NDF : 40922945.0/11

Left In: 379.036+/-0.000 χ^2/NDF :806469.2/4

379.040+/-0.000 χ^2/NDF : 32882445.6/15

379.042+/-0.000 χ^2/NDF : 46172166.9/16

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 : 806.6/5

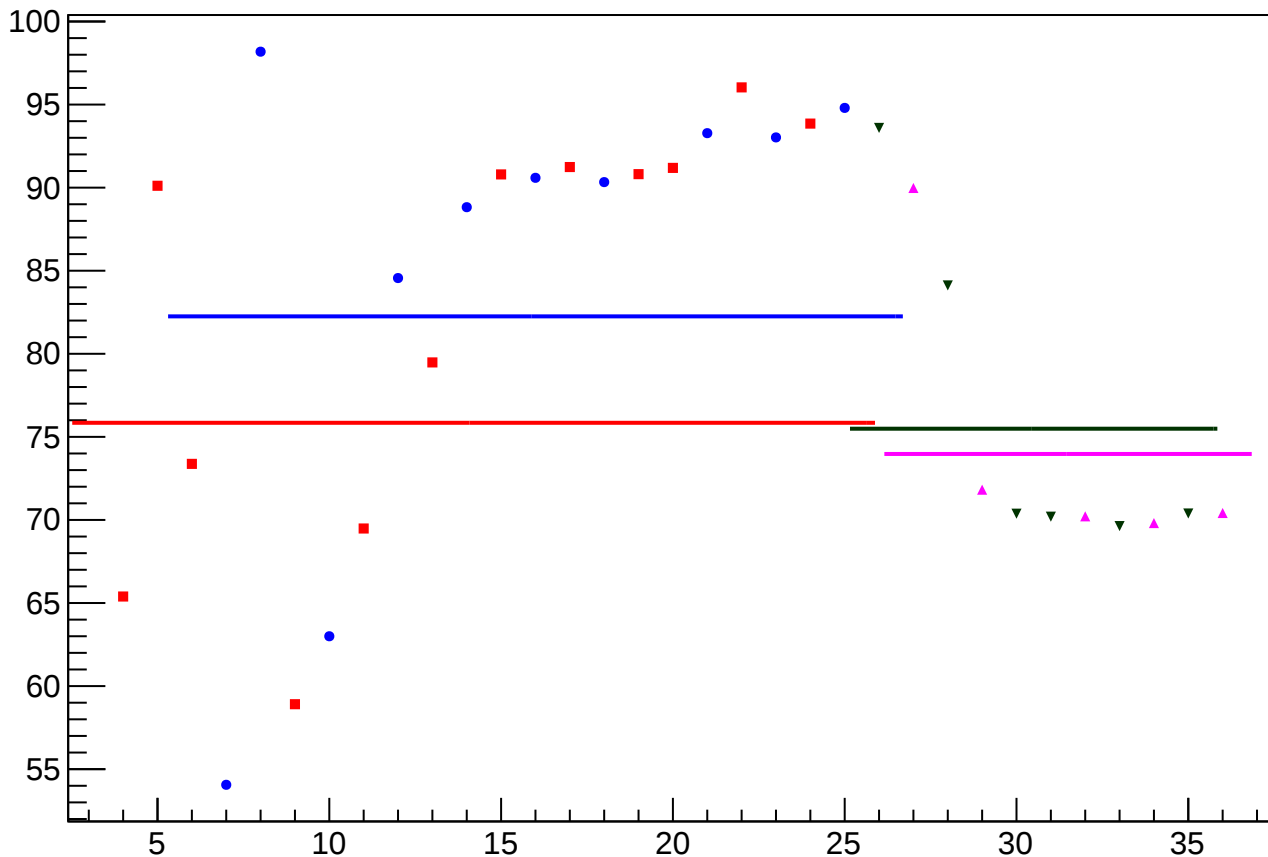
Right Out: 0.007+/-0.000 χ^2/NDF : 6581.5/11

Left In: 0.007+/-0.000 χ^2/NDF : 2050.9/4

0.007+/-0.000 χ^2/NDF : 4857.4/15

0.007+/-0.000 χ^2/NDF : 12759.3/16

yield_bcm0l02_mean vs slug



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

Left Out: 75.491+/-0.000 χ^2/NDF : 3225646056.3/5

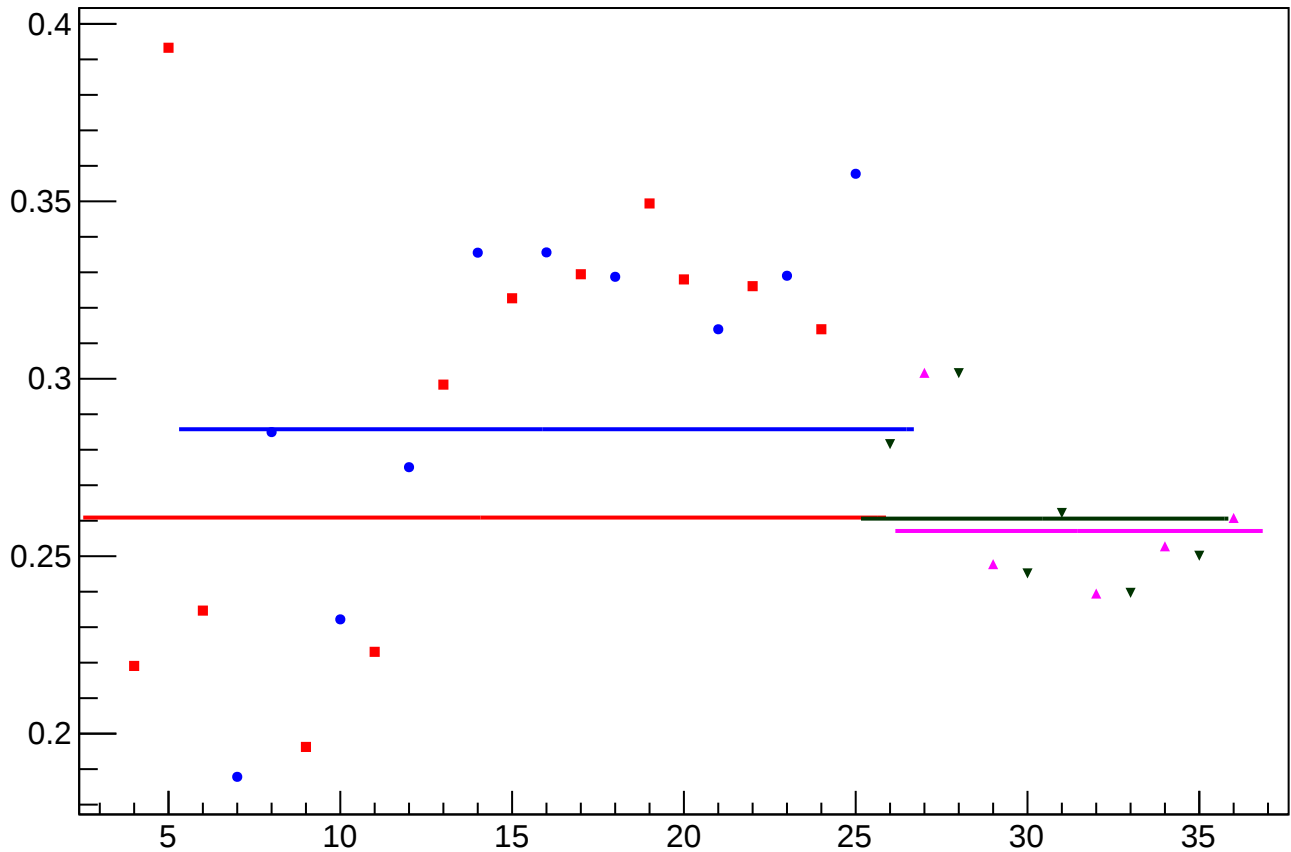
Right Out: 75.847+/-0.000 χ^2/NDF : 13482783083.5/11

Left In: 73.971+/-0.000 χ^2/NDF : 2675068187.3/4

79.700+/-0.000 χ^2/NDF : 19678030710.6/15

75.119+/-0.000 χ^2/NDF : 16265749650.7/16

yield_bcm0l02_rms vs slug



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

Left Out: 0.261 ± 0.000 χ^2/NDF : 39183.5/5

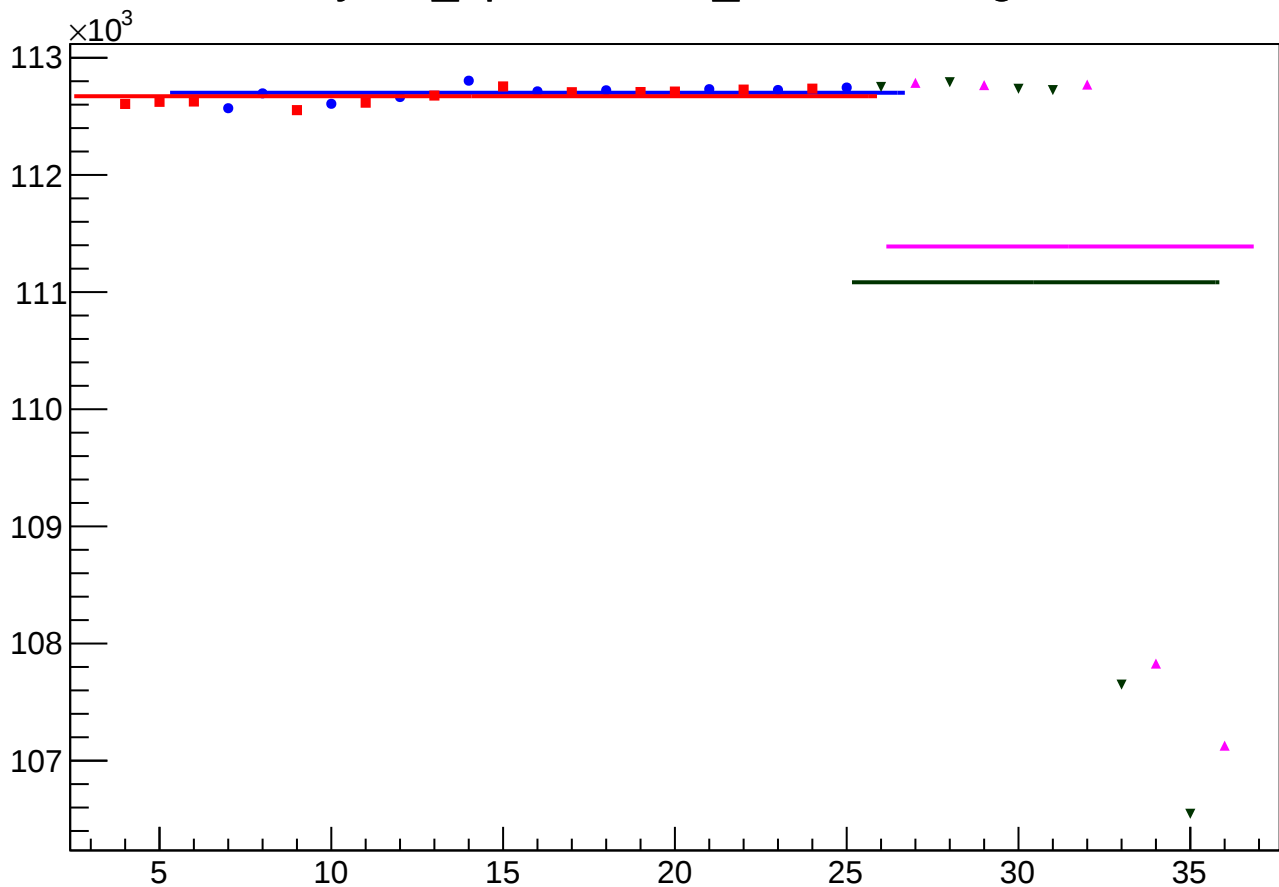
0.276 ± 0.000 χ^2/NDF : 416539.5/15

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

0.259 ± 0.000 χ^2/NDF : 528130.0/16

Left In: 0.257 ± 0.000 χ^2/NDF : 45733.2/4

yield_bpm2i01WS_mean vs slug



Right In: 112701.637 $\pm$ 0.042 χ^2 /NDF: 1698384.2/9

Left Out: 111083.829 $\pm$ 0.067 χ^2 /NDF: 1503138765.1/5

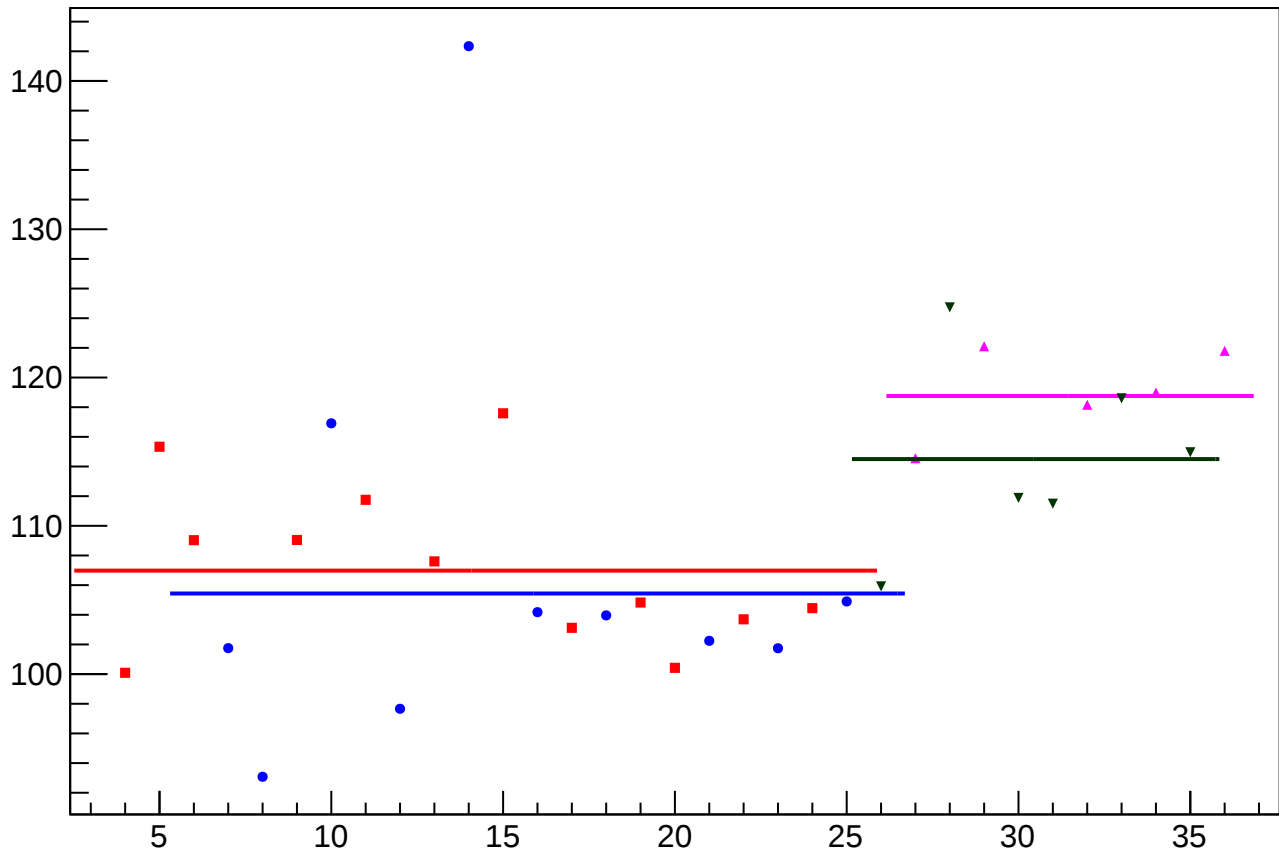
Right Out: 112671.936 $\pm$ 0.043 χ^2 /NDF: 2021453.7/11

Left In: 111389.333 $\pm$ 0.065 χ^2 /NDF: 1290714715.1/4

112240.790 $\pm$ 0.036 χ^2 /NDF: 1918213406.4/15

112275.823 $\pm$ 0.036 χ^2 /NDF: 1562081540.1/16

yield_bpm2i01WS_rms vs slug



Right In: 105.436 $\pm$ 0.030 χ^2 /NDF: 188338.4/9

Left Out: 114.501 $\pm$ 0.048 χ^2 /NDF: 17186.0/5

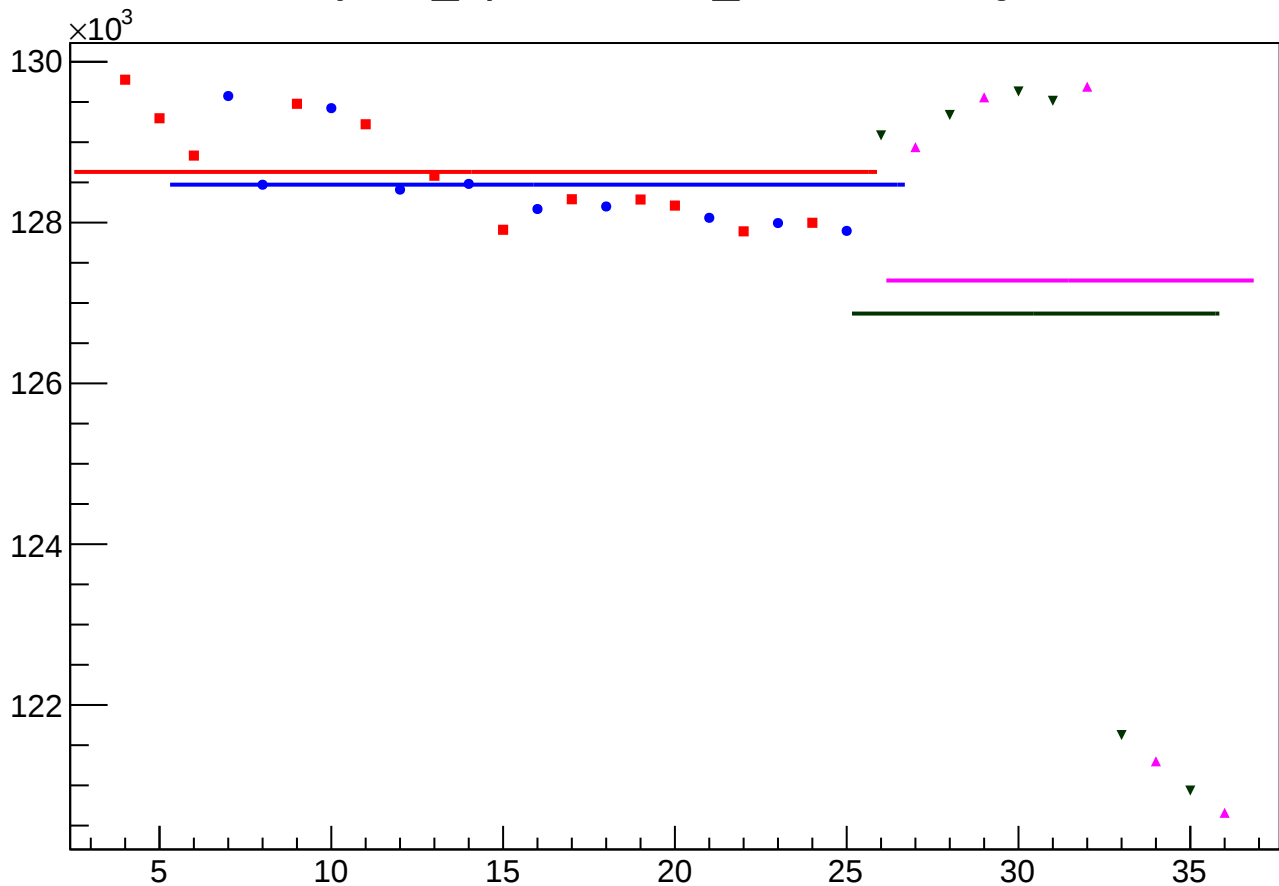
Right Out: 106.980 $\pm$ 0.031 χ^2 /NDF: 22698.2/11

Left In: 118.756 $\pm$ 0.046 χ^2 /NDF: 3920.9/4

108.018 $\pm$ 0.025 χ^2 /NDF: 231480.8/15

110.617 $\pm$ 0.026 χ^2 /NDF: 72031.7/16

yield_bpm0i07WS_mean vs slug



Right In: 128471.922 $\pm$ 0.071 χ^2 /NDF: 39310525.0/9

Left Out: 126868.550 $\pm$ 0.119 χ^2 /NDF: 1007949853.1/5

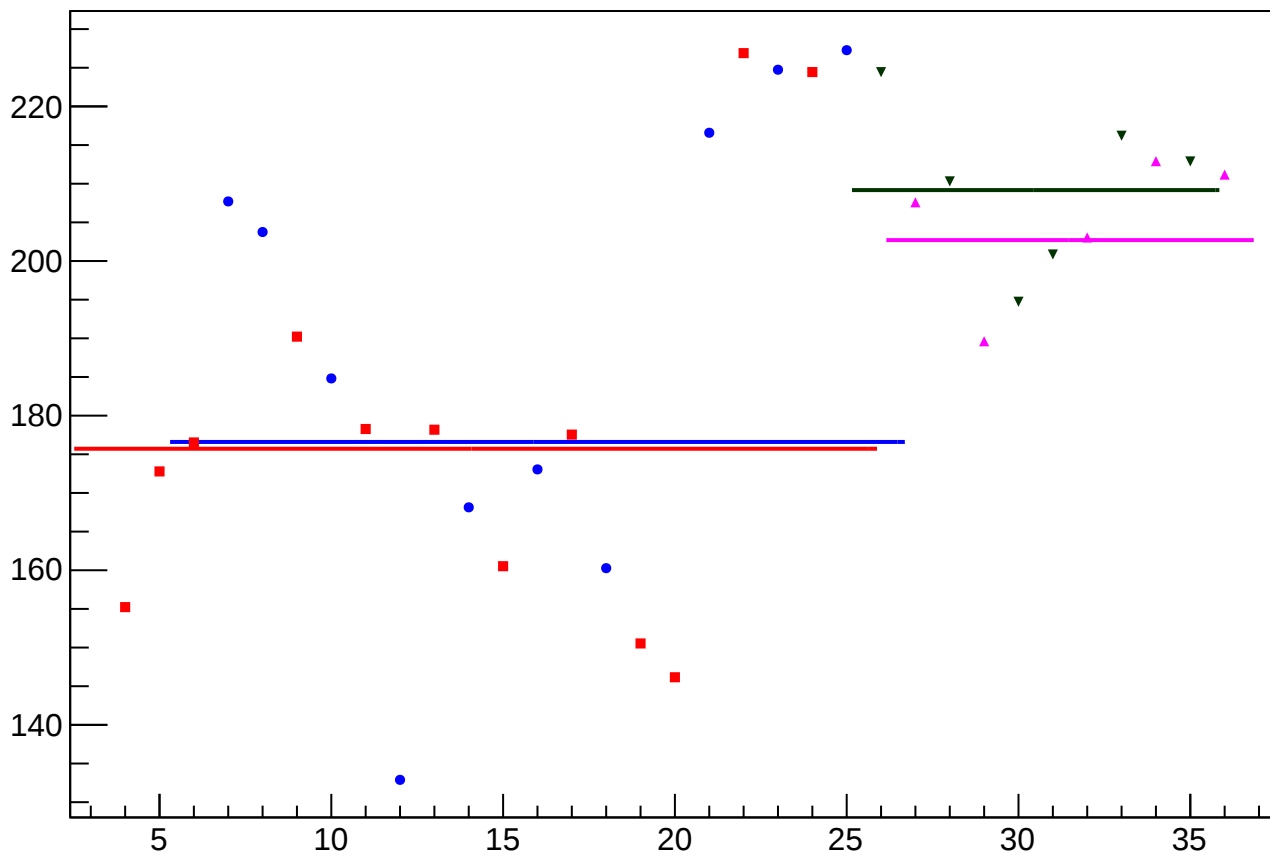
Right Out: 128630.323 $\pm$ 0.071 χ^2 /NDF: 69976766.8/11

Left In: 127279.512 $\pm$ 0.107 χ^2 /NDF: 1177960932.3/4

128052.370 $\pm$ 0.061 χ^2 /NDF: 1181230010.7/15

128218.279 $\pm$ 0.059 χ^2 /NDF: 1358136731.4/16

yield_bpm0i07WS_rms vs slug



Right In: 176.597 $\pm$ 0.050 χ^2 /NDF: 316543.8/9

Left Out: 209.175 $\pm$ 0.084 χ^2 /NDF:13163.9/5

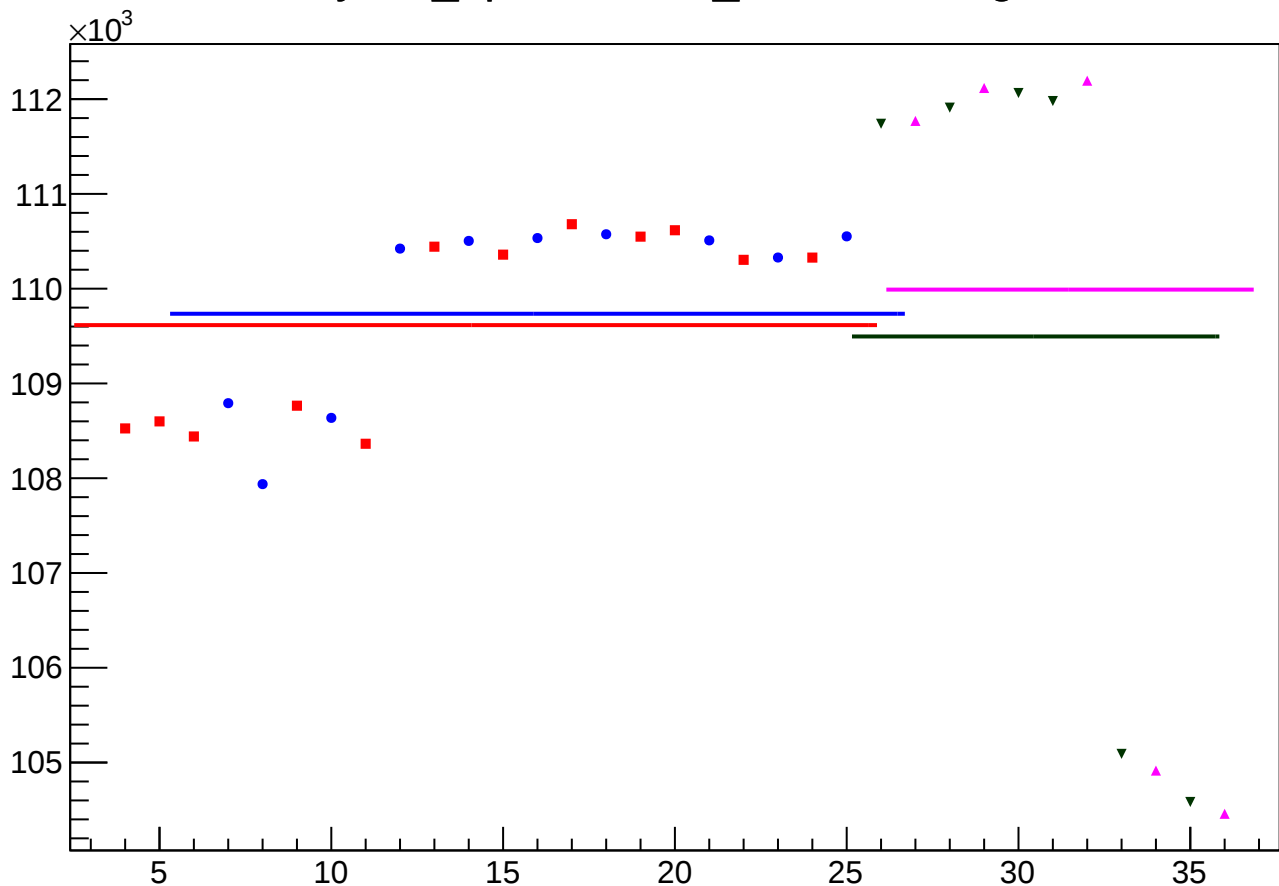
185.122 $\pm$ 0.043 χ^2 /NDF: 440322.6/15

Right Out: 175.718 $\pm$ 0.050 χ^2 /NDF: 188443.6/11

183.951 $\pm$ 0.042 χ^2 /NDF: 289328.9/16

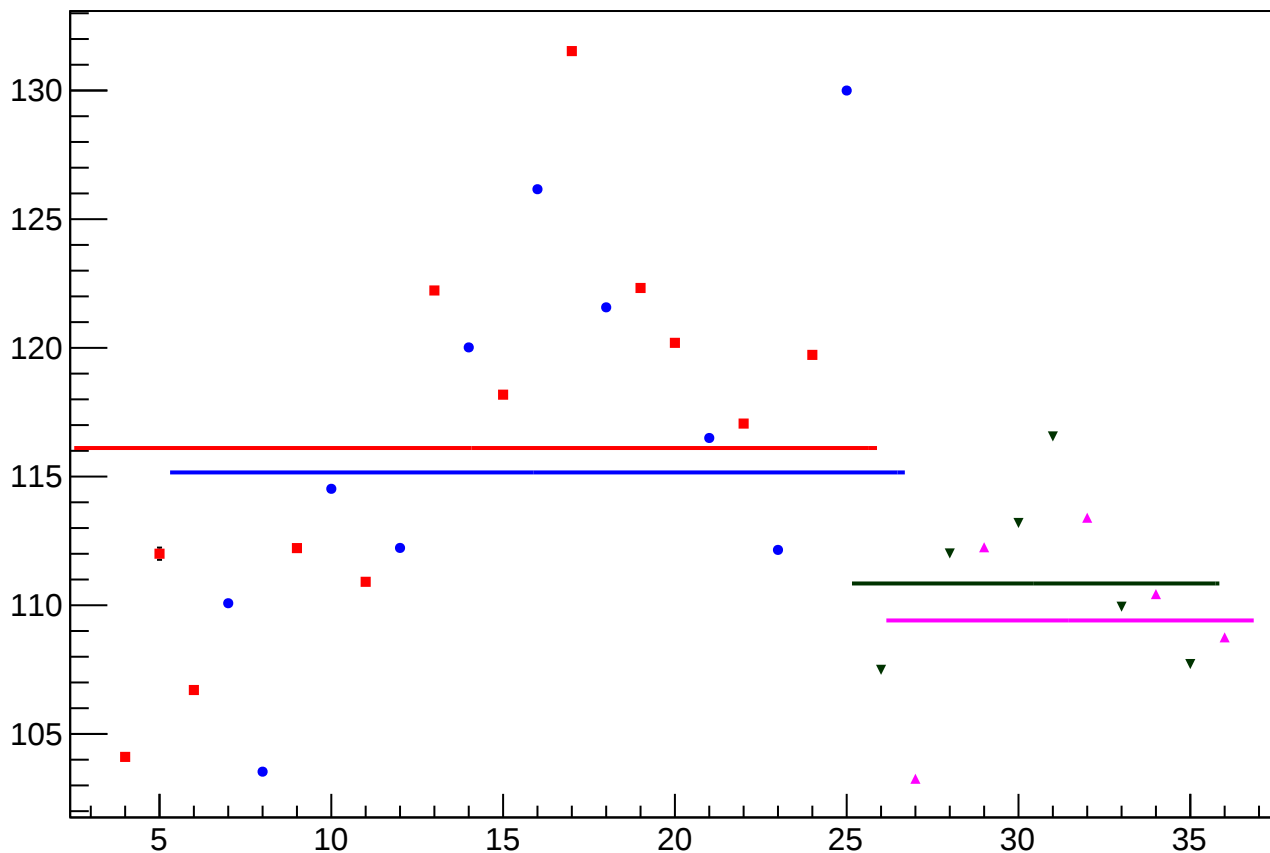
Left In: 202.707 $\pm$ 0.076 χ^2 /NDF:12903.5/4

yield_bpm0l01WS_mean vs slug



Right In: 109735.295 $\pm$ 0.046	χ^2 /NDF: 537097563.8/9	109653.258 $\pm$ 0.037	χ^2 /NDF: 3373000210.0/15
Left Out: 109495.634 $\pm$ 0.063	χ^2 /NDF: 2826489683.5/5		
Right Out: 109615.412 $\pm$ 0.047	χ^2 /NDF: 419274077.4/11	109763.075 $\pm$ 0.036	χ^2 /NDF: 3654465903.6/16
Left In: 109990.120 $\pm$ 0.058	χ^2 /NDF: 3209864782.0/4		

yield_bpm0l01WS_rms vs slug



Right In: 115.160 $\pm$ 0.032 χ^2 /NDF: 48108.4/9

Left Out: 110.846 $\pm$ 0.045 χ^2 /NDF: 4249.4/5

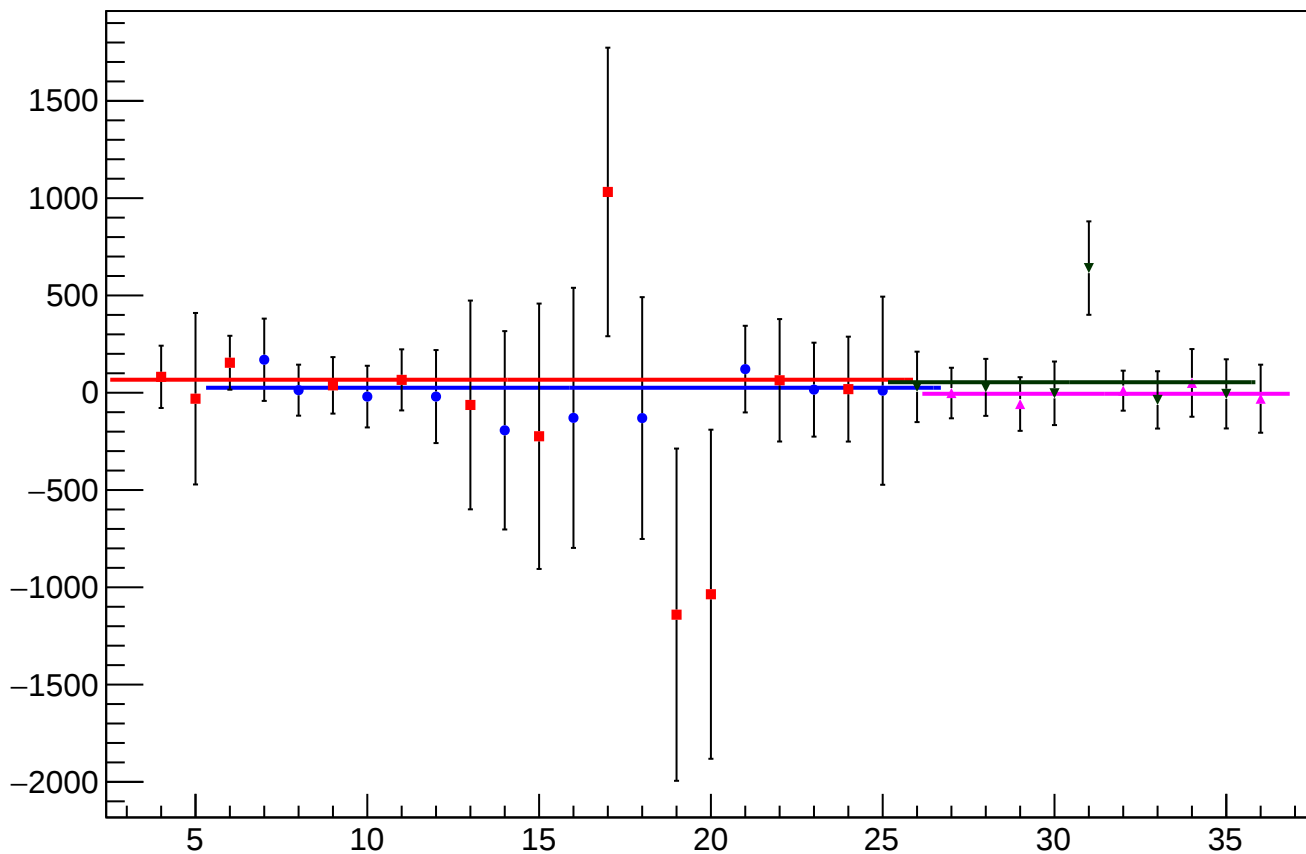
Right Out: 116.109 $\pm$ 0.033 χ^2 /NDF: 44081.8/11

Left In: 109.410 $\pm$ 0.041 χ^2 /NDF: 9374.2/4

113.684 $\pm$ 0.026 χ^2 /NDF: 58458.5/15

113.469 $\pm$ 0.026 χ^2 /NDF: 69648.3/16

asym_bcm_an_ds_mean vs slug



Right In: 25.622+/-72.900 χ^2/NDF : 1.1/9

Left Out: 54.004+/-69.058 χ^2/NDF : 6.6/5

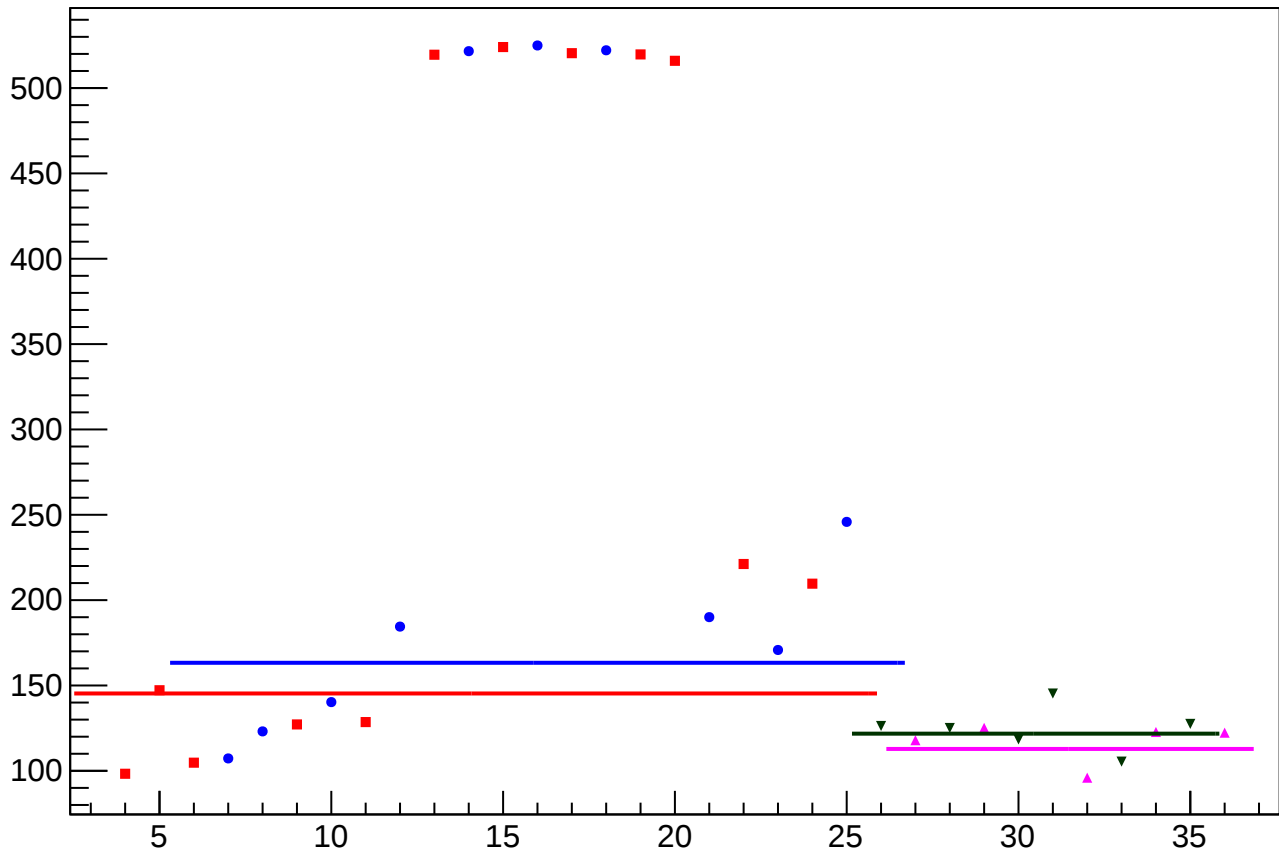
Right Out: 66.920+/-67.669 χ^2/NDF : 6.2/11

Left In: -5.400+/-60.615 χ^2/NDF : 0.3/4

40.580+/-50.134 χ^2/NDF : 7.8/15

26.796+/-45.150 χ^2/NDF : 7.1/16

asym_bcm_an_ds_rms vs slug



Right In: 163.298+/-0.052 χ^2/NDF : 2716025.4/9

Left Out: 121.779+/-0.049 χ^2/NDF : 49077.8/5

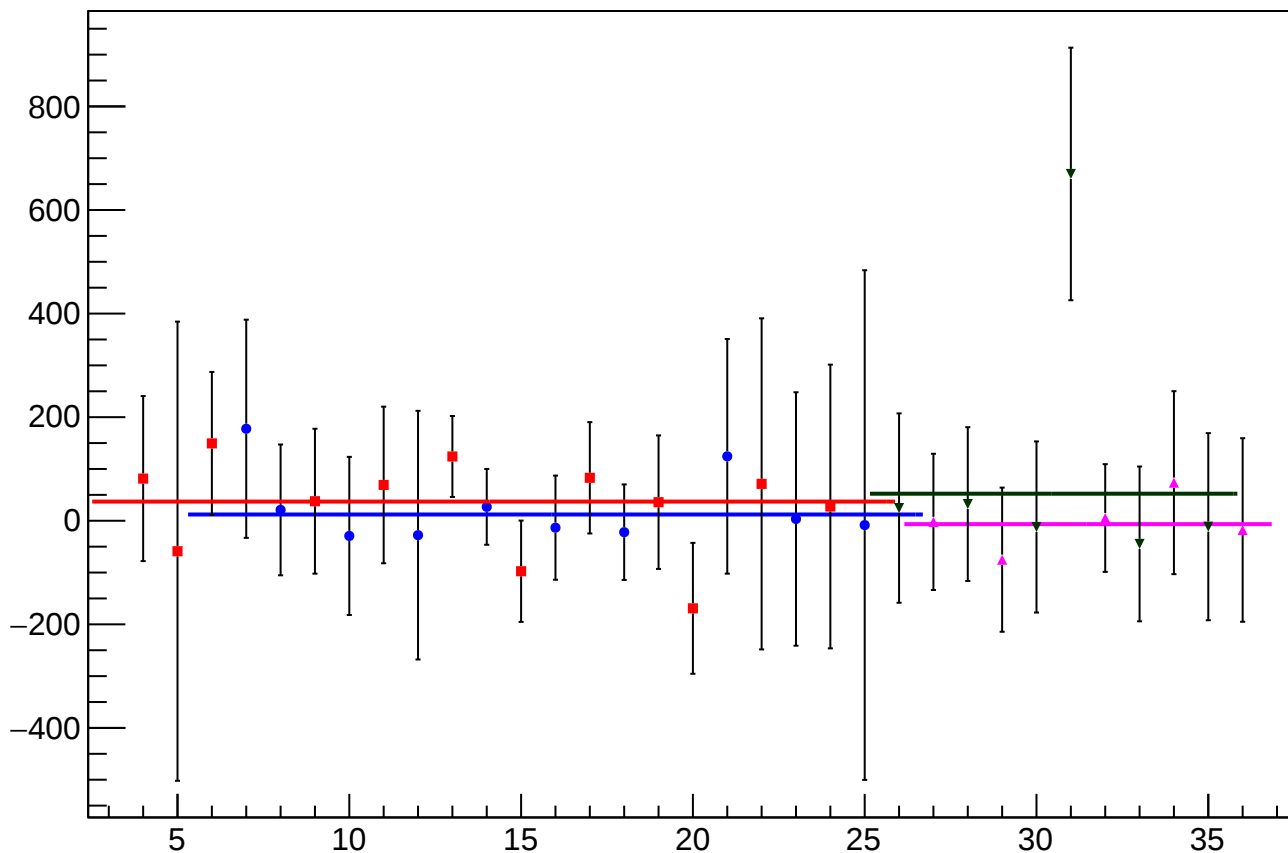
141.416+/-0.035 χ^2/NDF : 3107021.0/15

Right Out: 145.320+/-0.048 χ^2/NDF : 3498392.4/11

127.291+/-0.032 χ^2/NDF : 3839512.8/16

Left In: 112.824+/-0.043 χ^2/NDF : 85226.7/4

asym_bcm_an_ds3_mean vs slug



Right In: 12.098 $\pm$ 41.208 χ^2 /NDF: 1.2/9

Left Out: 52.238 $\pm$ 69.985 χ^2 /NDF: 7.1/5

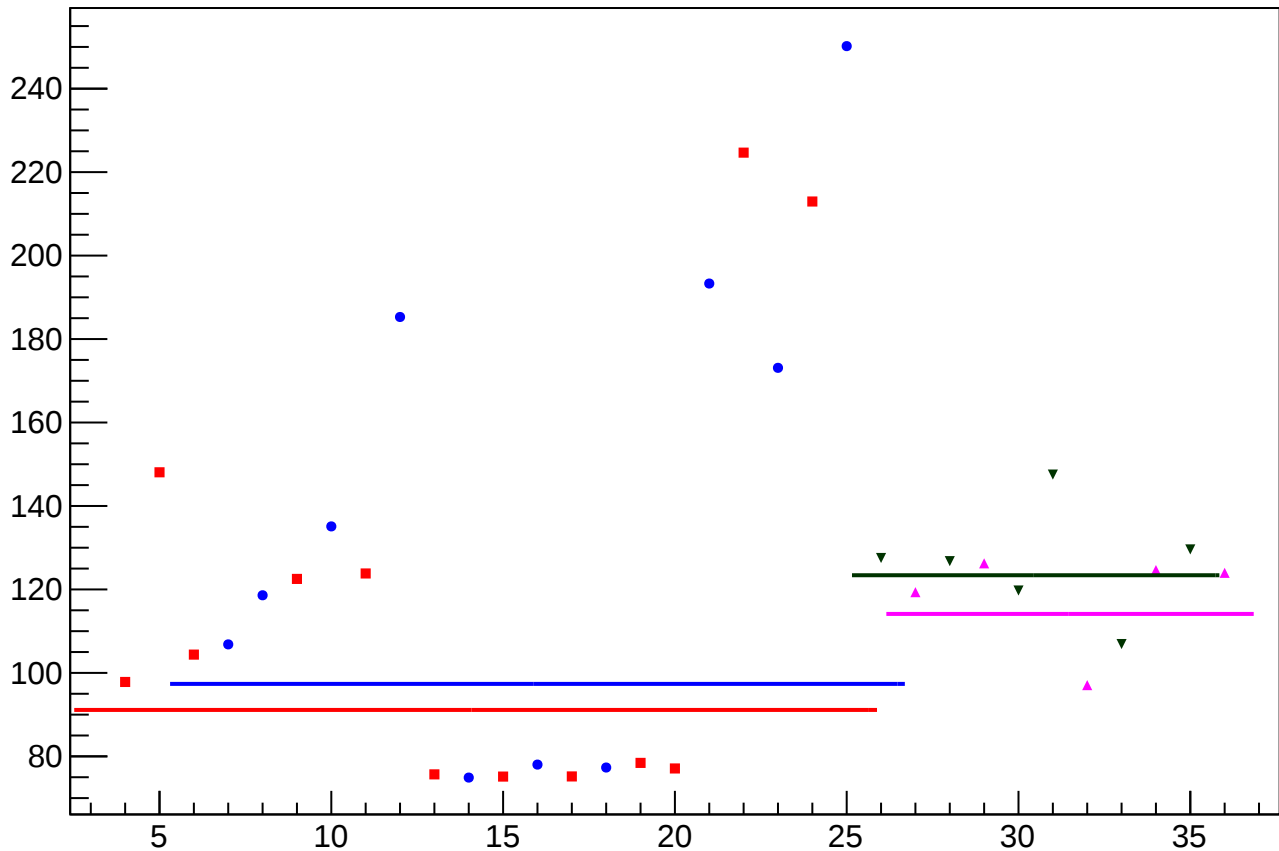
Right Out: 37.031 $\pm$ 38.001 χ^2 /NDF: 6.8/11

Left In: -6.509 $\pm$ 61.332 χ^2 /NDF: 0.5/4

22.432 $\pm$ 35.510 χ^2 /NDF: 8.6/15

24.953 $\pm$ 32.303 χ^2 /NDF: 7.6/16

asym_bcm_an_ds3_rms vs slug



Right In: 97.366+/-0.029 χ^2/NDF : 1551052.0/9

Left Out: 123.403+/-0.049 χ^2/NDF : 49304.1/5

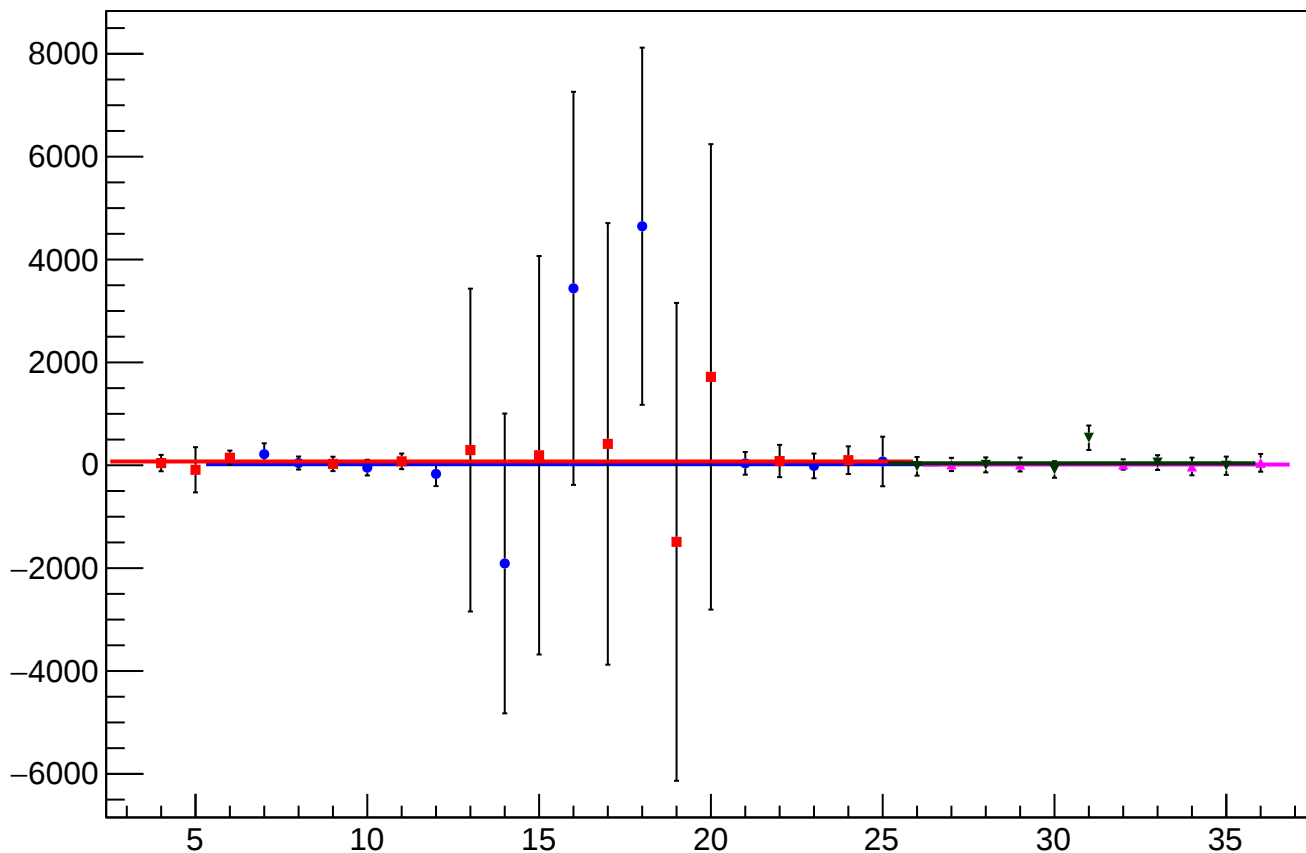
104.069+/-0.025 χ^2/NDF : 1805913.3/15

Right Out: 91.126+/-0.027 χ^2/NDF : 1213529.6/11

97.508+/-0.023 χ^2/NDF : 1502320.5/16

Left In: 114.132+/-0.043 χ^2/NDF : 85434.9/4

asym_bcm_an_us_mean vs slug



Right In: 20.924 $\pm$ 72.964 χ^2/NDF : 4.8/9

Left Out: 38.917 $\pm$ 68.410 χ^2/NDF : 5.2/5

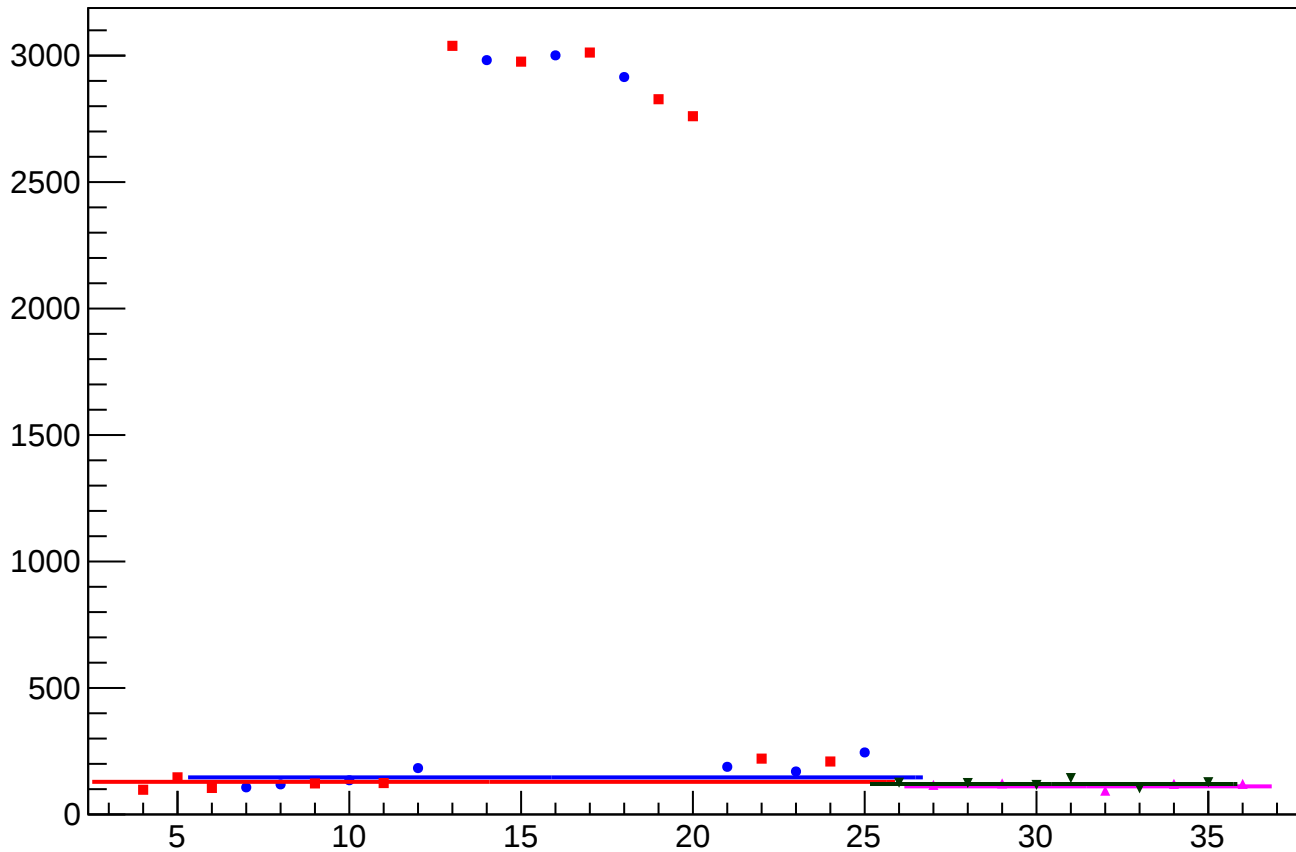
Right Out: 73.751 $\pm$ 68.100 χ^2/NDF : 0.8/11

Left In: 14.534 $\pm$ 59.692 χ^2/NDF : 0.1/4

30.499 $\pm$ 49.905 χ^2/NDF : 9.9/15

40.264 $\pm$ 44.889 χ^2/NDF : 1.3/16

asym_bcm_an_us_rms vs slug



Right In: 146.572 $\pm$ 0.052 χ^2 /NDF: 4679005.5/9

Left Out: 120.389 $\pm$ 0.048 χ^2 /NDF: 55308.8/5

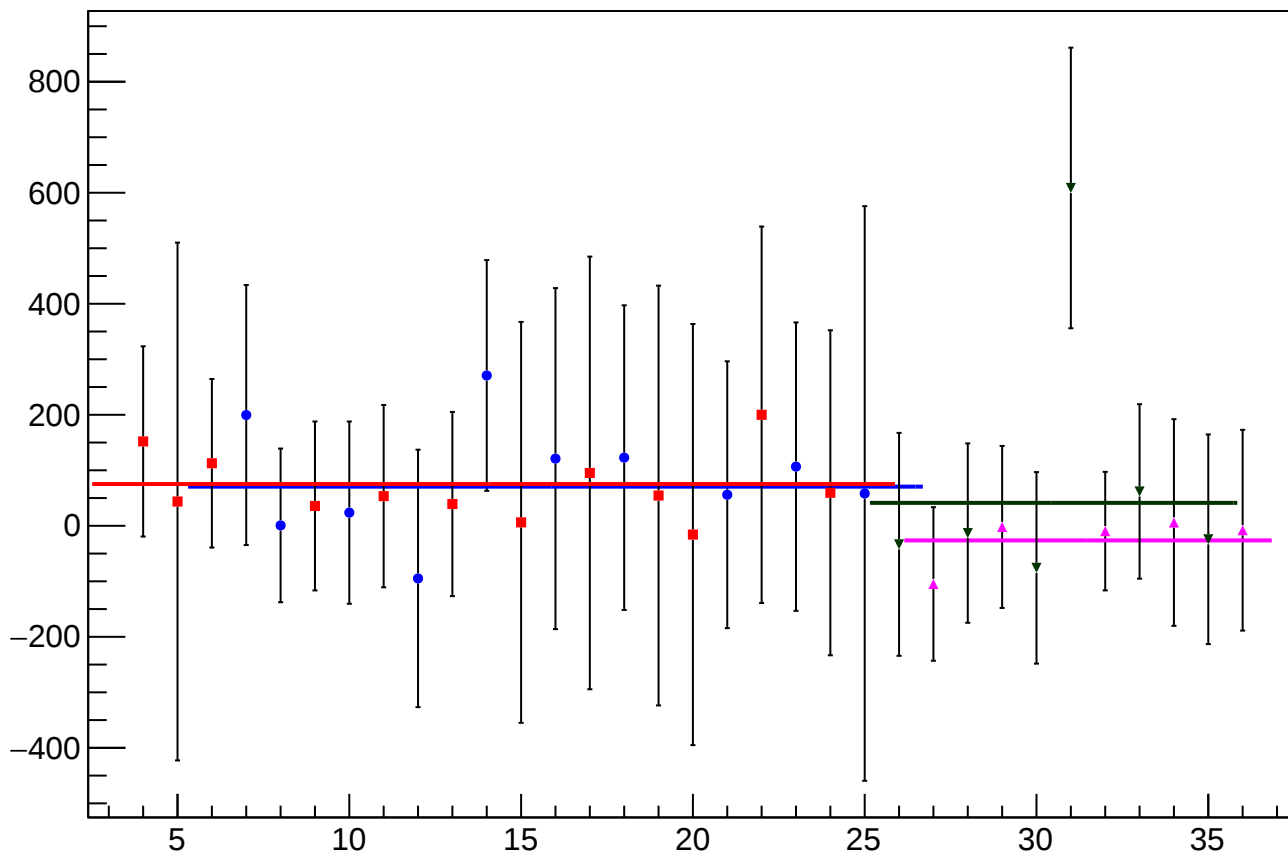
Right Out: 128.952 $\pm$ 0.048 χ^2 /NDF: 5549811.0/11

Left In: 111.027 $\pm$ 0.042 χ^2 /NDF: 89350.4/4

132.638 $\pm$ 0.035 χ^2 /NDF: 4871377.8/15

118.815 $\pm$ 0.032 χ^2 /NDF: 5717516.6/16

asym_bcm_dg_us_mean vs slug



Right In: 70.544 ± 69.178 $\chi^2/\text{NDF}: 2.2/9$

Left Out: 41.339 ± 74.352 $\chi^2/\text{NDF}: 5.9/5$

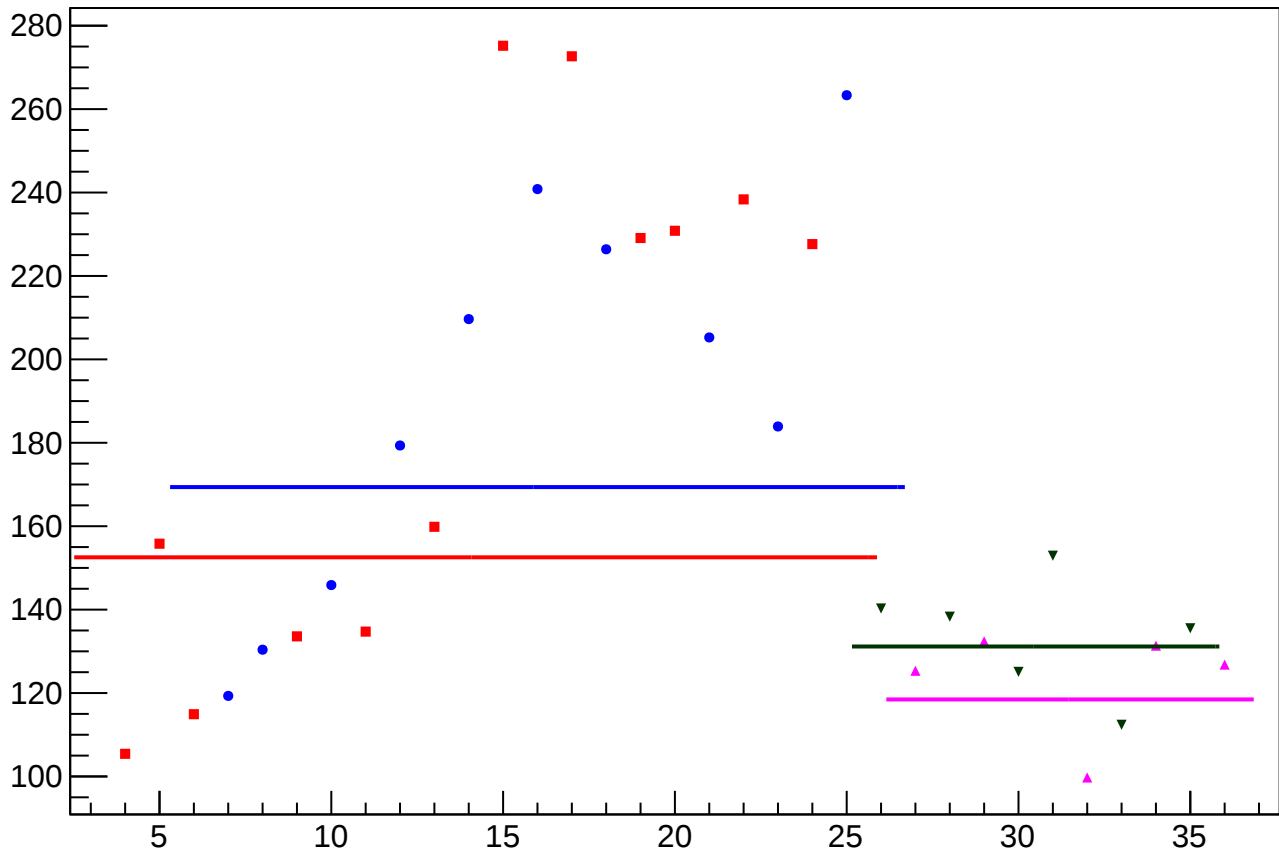
Right Out: 75.223 ± 63.607 $\chi^2/\text{NDF}: 0.6/11$

Left In: -26.319 ± 63.716 $\chi^2/\text{NDF}: 0.4/4$

56.993 ± 50.647 $\chi^2/\text{NDF}: 8.1/15$

24.539 ± 45.016 $\chi^2/\text{NDF}: 2.3/16$

asym_bcm_dg_us_rms vs slug



Right In: 169.383+/-0.049 χ^2/NDF : 680872.4/9

Left Out: 131.159+/-0.053 χ^2/NDF : 54954.5/5

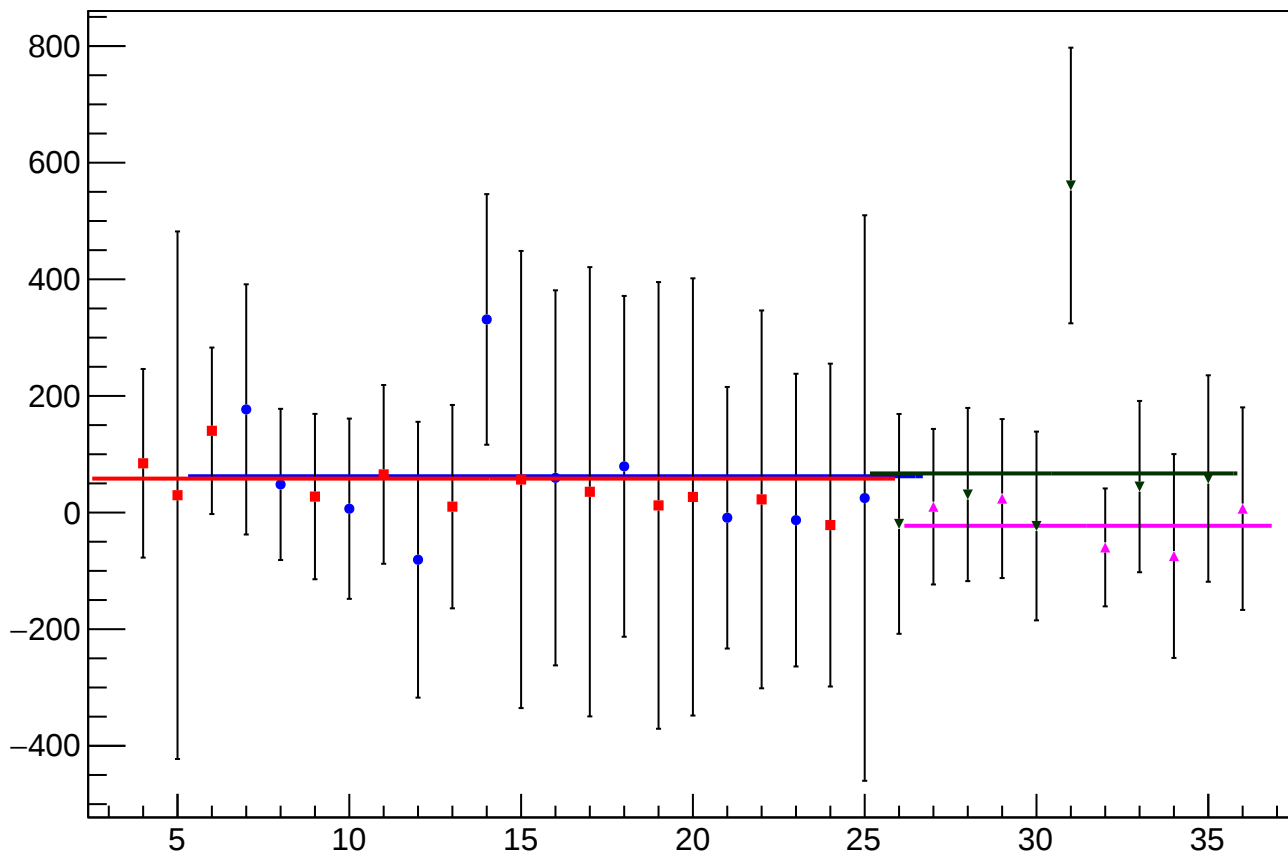
151.647+/-0.036 χ^2/NDF : 1019145.9/15

Right Out: 152.541+/-0.045 χ^2/NDF : 1180030.6/11

135.533+/-0.032 χ^2/NDF : 1564955.2/16

Left In: 118.467+/-0.045 χ^2/NDF : 98447.2/4

asym_bcm_dg_ds_mean vs slug



Right In: 62.253 $\pm$ 66.815 χ^2/NDF : 2.6/9

Left Out: 67.099 $\pm$ 69.368 χ^2/NDF : 5.0/5

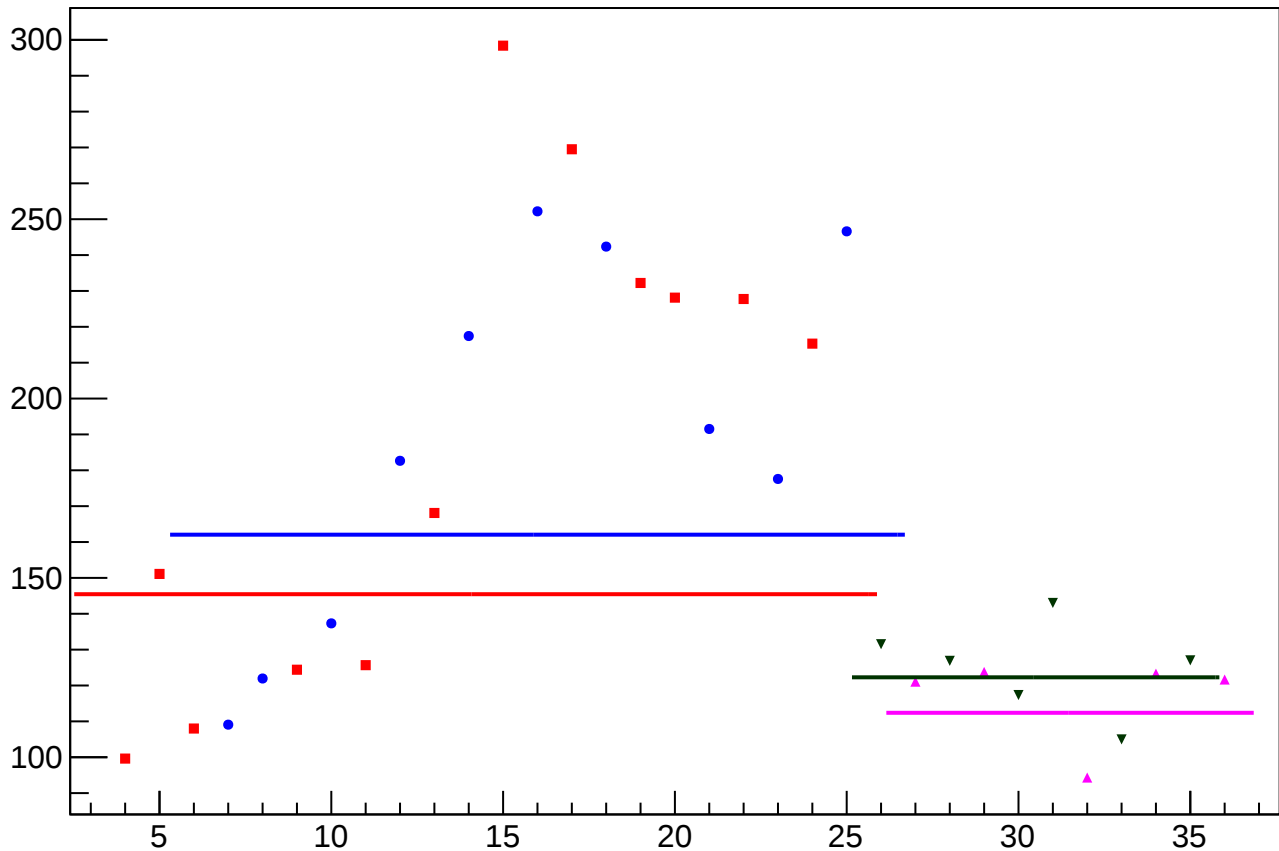
Right Out: 58.253 $\pm$ 61.187 χ^2/NDF : 0.6/11

Left In: -22.664 $\pm$ 60.443 χ^2/NDF : 0.4/4

64.585 $\pm$ 48.123 χ^2/NDF : 7.5/15

17.299 $\pm$ 43.000 χ^2/NDF : 1.9/16

asym_bcm_dg_ds_rms vs slug



Right In: 162.048+/-0.047 χ^2/NDF : 923631.2/9

Left Out: 122.280+/-0.049 χ^2/NDF : 53167.1/5

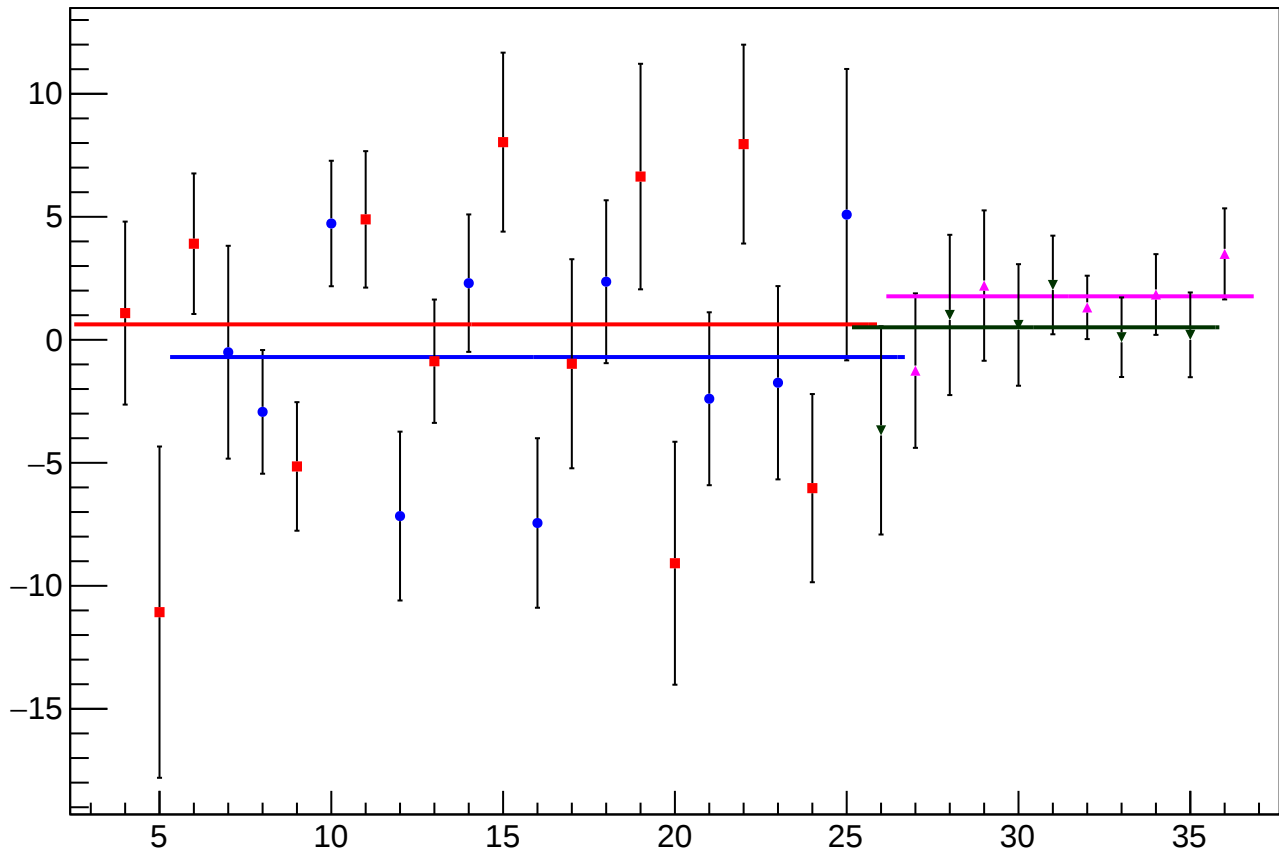
142.909+/-0.034 χ^2/NDF : 1317772.2/15

Right Out: 145.454+/-0.043 χ^2/NDF : 1377812.6/11

128.720+/-0.030 χ^2/NDF : 1773089.5/16

Left In: 112.390+/-0.043 χ^2/NDF : 99694.4/4

asym_cav4bQ_mean vs slug



Right In: -0.701 ± 1.038 $\chi^2/\text{NDF}: 16.0/9$

Left Out: 0.509 ± 0.883 $\chi^2/\text{NDF}: 1.8/5$

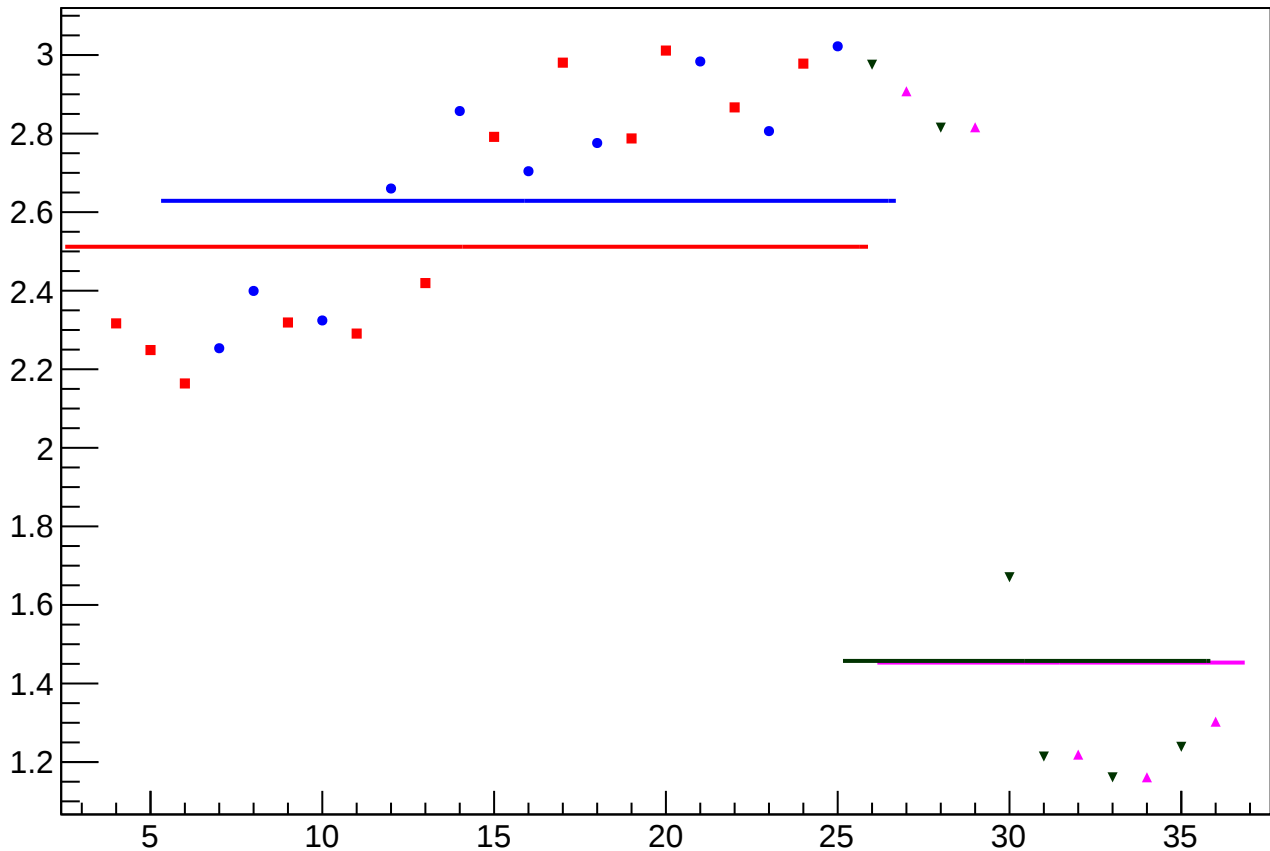
Right Out: 0.628 ± 0.999 $\chi^2/\text{NDF}: 28.1/11$

Left In: 1.768 ± 0.824 $\chi^2/\text{NDF}: 1.9/4$

0.001 ± 0.673 $\chi^2/\text{NDF}: 18.6/15$

1.307 ± 0.636 $\chi^2/\text{NDF}: 30.9/16$

asym_cav4bQ_rms vs slug



Right In: 2.629 $\pm$ 0.001 χ^2 /NDF: 111982.4/9

Left Out: 1.457 $\pm$ 0.001 χ^2 /NDF: 748332.3/5

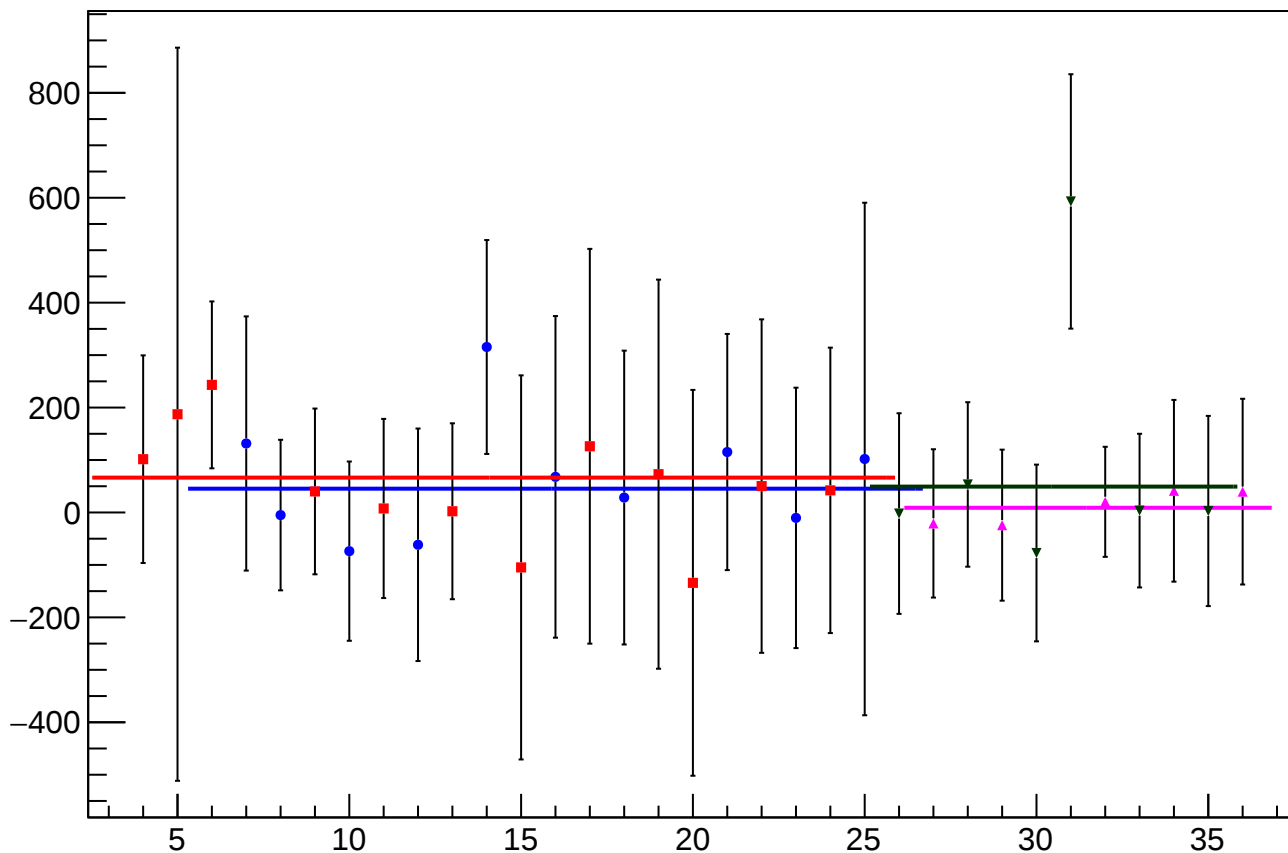
1.949 $\pm$ 0.000 χ^2 /NDF: 2337600.9/15

Right Out: 2.512 $\pm$ 0.001 χ^2 /NDF: 173540.5/11

1.882 $\pm$ 0.000 χ^2 /NDF: 2479826.7/16

Left In: 1.453 $\pm$ 0.001 χ^2 /NDF: 969483.5/4

asym_cav4cQ_mean vs slug



Right In: 45.350 ± 69.374 χ^2/NDF : 2.9/9

Left Out: 49.313 ± 71.201 χ^2/NDF : 5.8/5

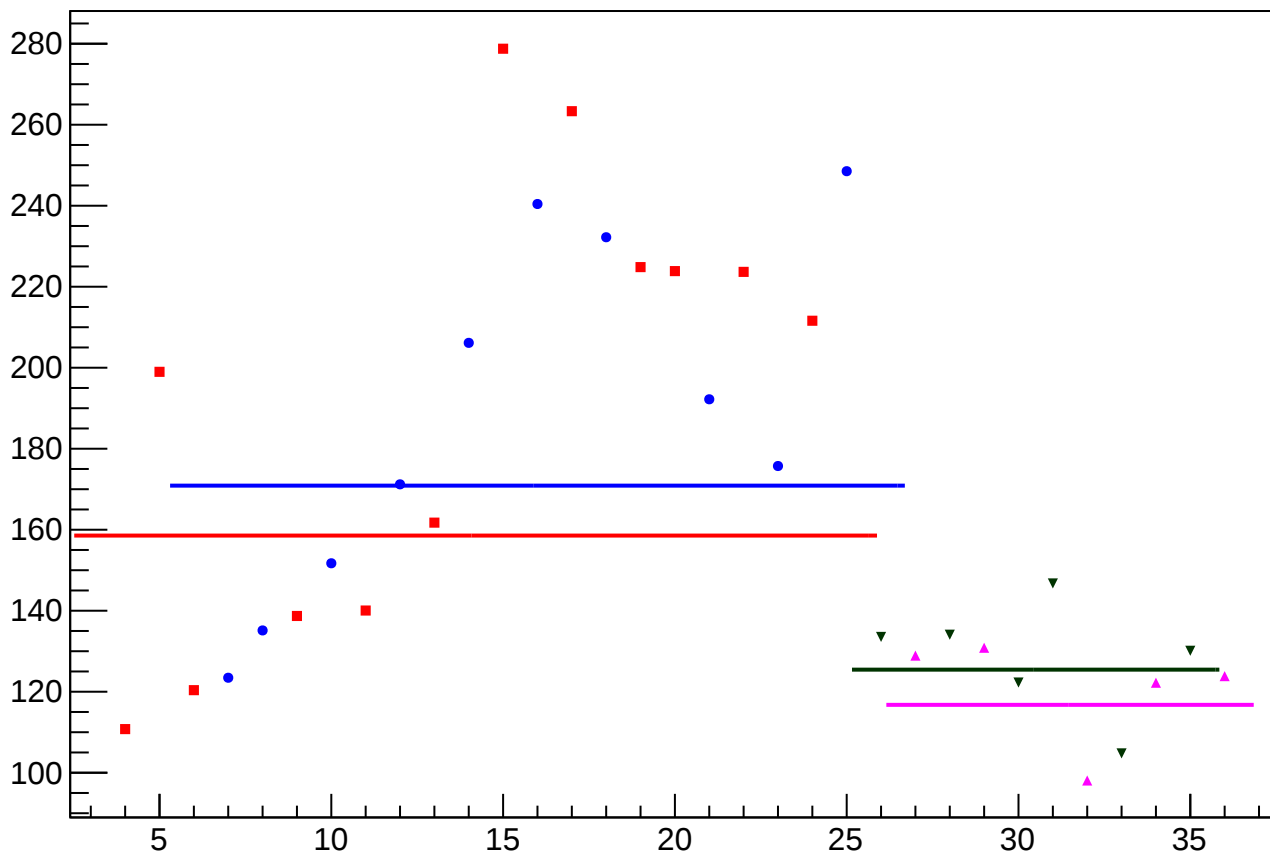
Right Out: 66.444 ± 65.999 χ^2/NDF : 2.1/11

Left In: 8.943 ± 62.703 χ^2/NDF : 0.2/4

47.280 ± 49.688 χ^2/NDF : 8.7/15

36.222 ± 45.458 χ^2/NDF : 2.7/16

asym_cav4cQ_rms vs slug



Right In: 170.886 $\pm$ 0.049 χ^2 /NDF: 553736.6/9

Left Out: 125.452 $\pm$ 0.050 χ^2 /NDF: 66911.8/5

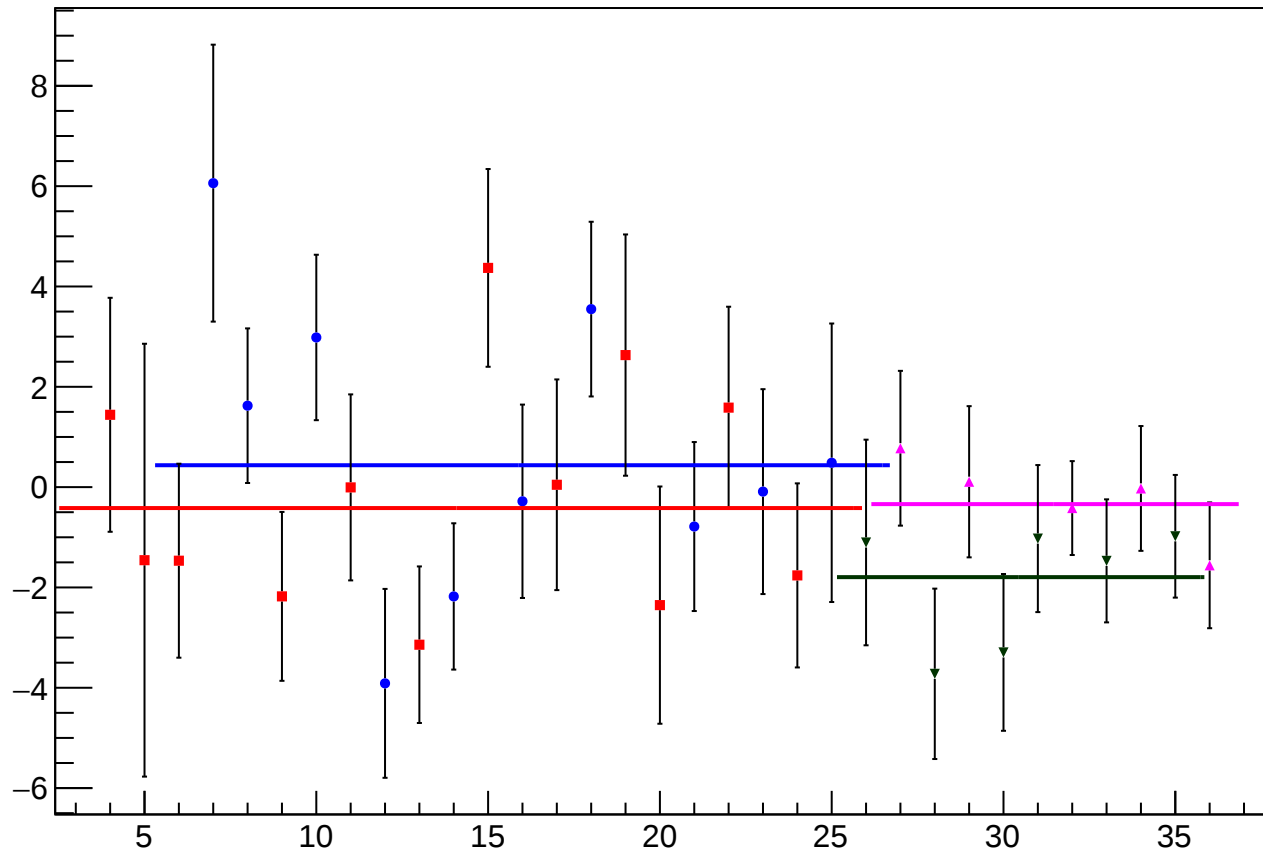
Right Out: 158.557 $\pm$ 0.047 χ^2 /NDF: 951673.3/11

Left In: 116.759 $\pm$ 0.044 χ^2 /NDF: 102558.9/4

148.759 $\pm$ 0.035 χ^2 /NDF: 1038423.4/15

136.588 $\pm$ 0.032 χ^2 /NDF: 1475843.5/16

asym_cav4dQ_mean vs slug



Right In: 0.437 $\pm$ 0.578 χ^2 /NDF: 19.6/9

Left Out: -1.795 $\pm$ 0.598 χ^2 /NDF: 3.1/5

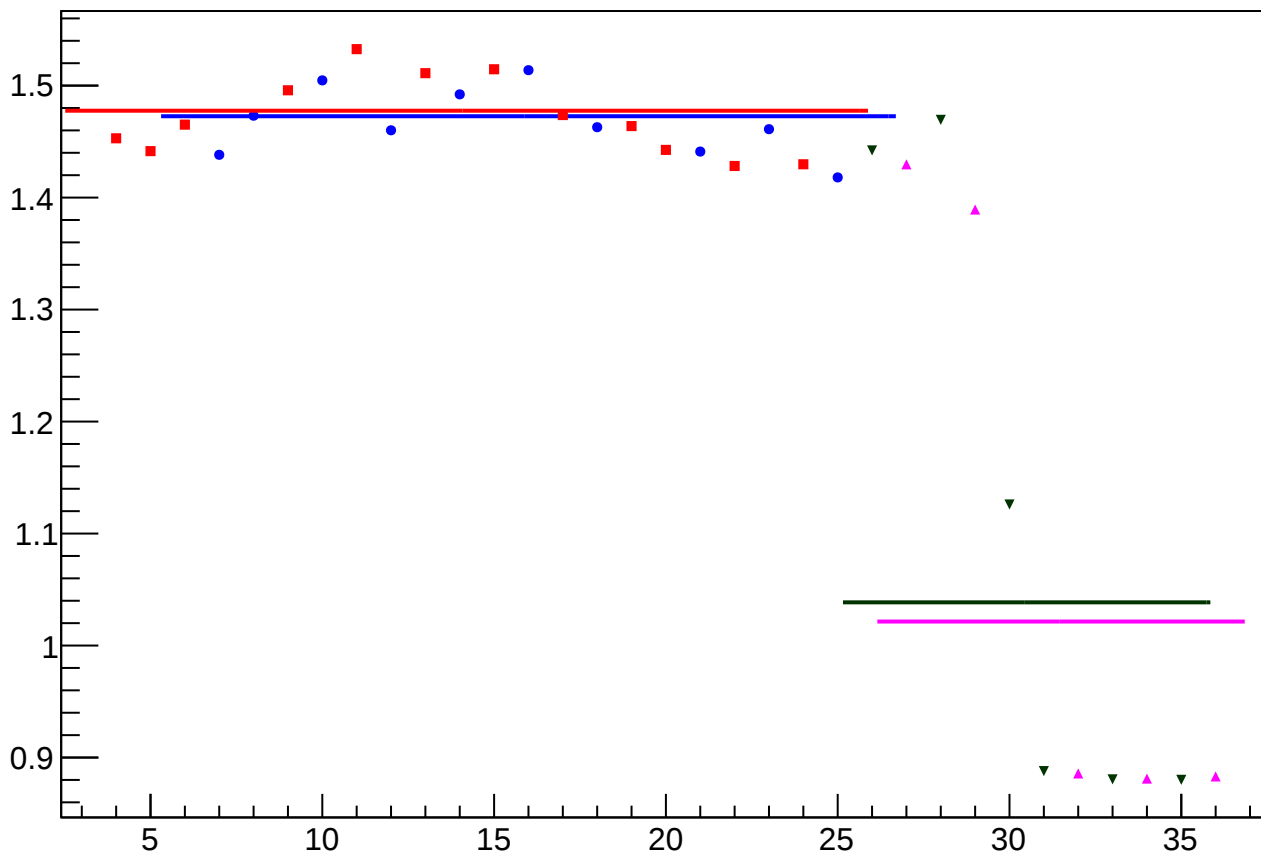
Right Out: -0.417 $\pm$ 0.583 χ^2 /NDF: 14.9/11

Left In: -0.339 $\pm$ 0.552 χ^2 /NDF: 1.6/4

-0.640 $\pm$ 0.416 χ^2 /NDF: 29.9/15

-0.376 $\pm$ 0.401 χ^2 /NDF: 16.6/16

asym_cav4dQ_rms vs slug



Right In: 1.473+/-0.000 χ^2/NDF : 4027.5/9

Left Out: 1.039+/-0.000 χ^2/NDF : 300417.6/5

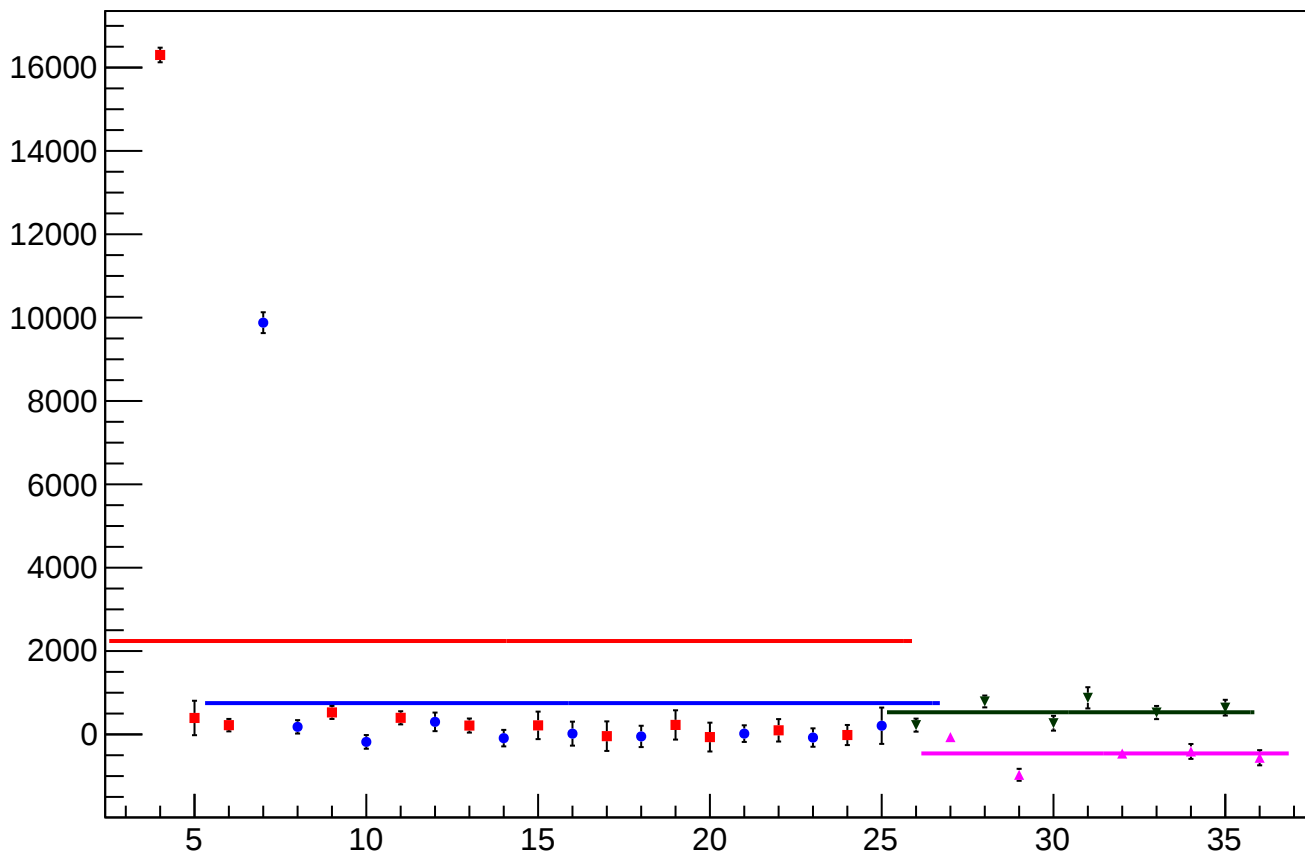
Right Out: 1.478+/-0.000 χ^2/NDF : 7139.1/11

Left In: 1.021+/-0.000 χ^2/NDF : 350954.0/4

1.263+/-0.000 χ^2/NDF : 848836.5/15

1.237+/-0.000 χ^2/NDF : 1003528.5/16

asym_bcm0l02_mean vs slug



Right In: 750.803+/-68.130 χ^2/NDF : 1445.6/9

Left Out: 531.288+/-69.776 χ^2/NDF : 11.6/5

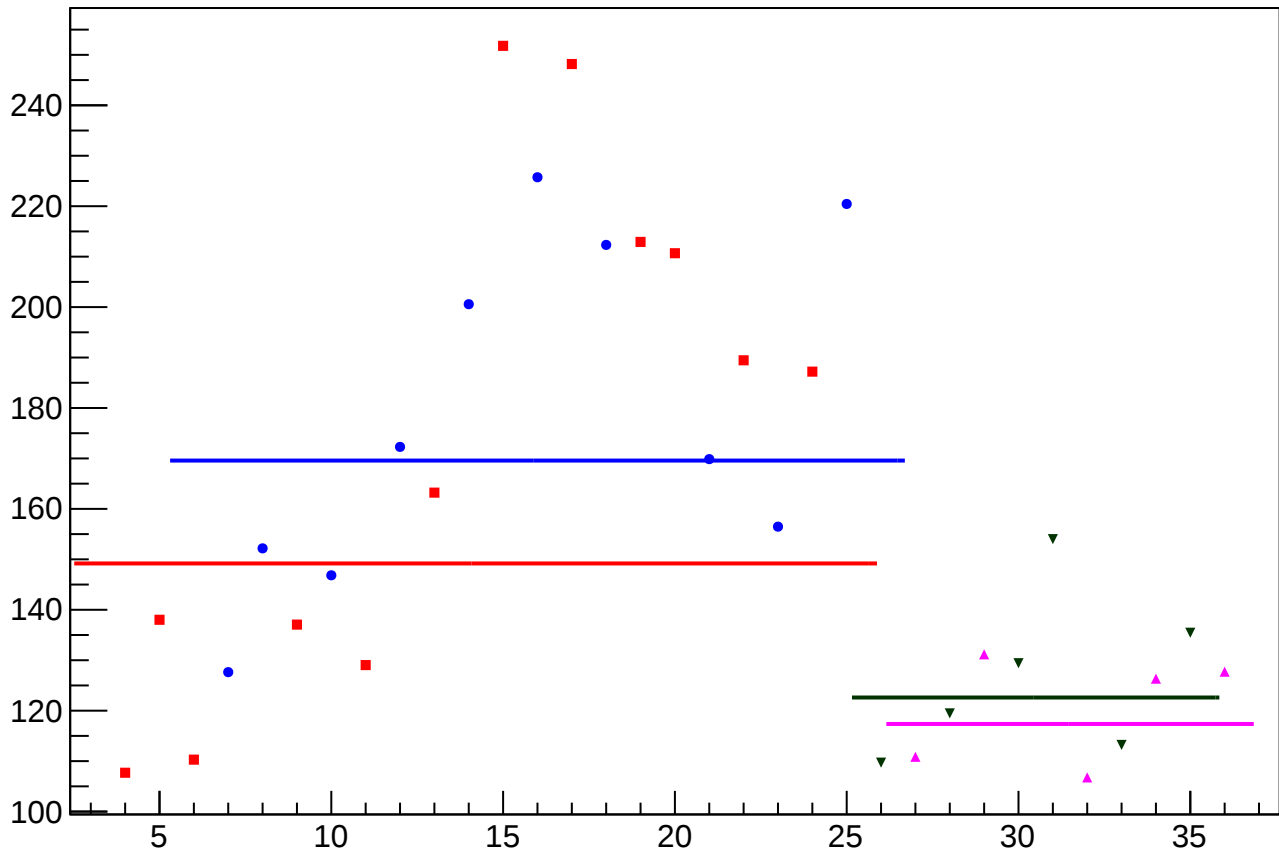
643.667+/-48.747 χ^2/NDF : 1462.2/15

Right Out: 2240.760+/-61.598 χ^2/NDF : 7330.5/11

914.651+/-43.920 χ^2/NDF : 8296.7/16

Left In: -456.696+/-62.640 χ^2/NDF : 23.5/4

asym_bcm0l02_rms vs slug



Right In: 169.579+/-0.048 χ^2/NDF : 333569.7/9

Left Out: 122.611+/-0.049 χ^2/NDF : 64287.5/5

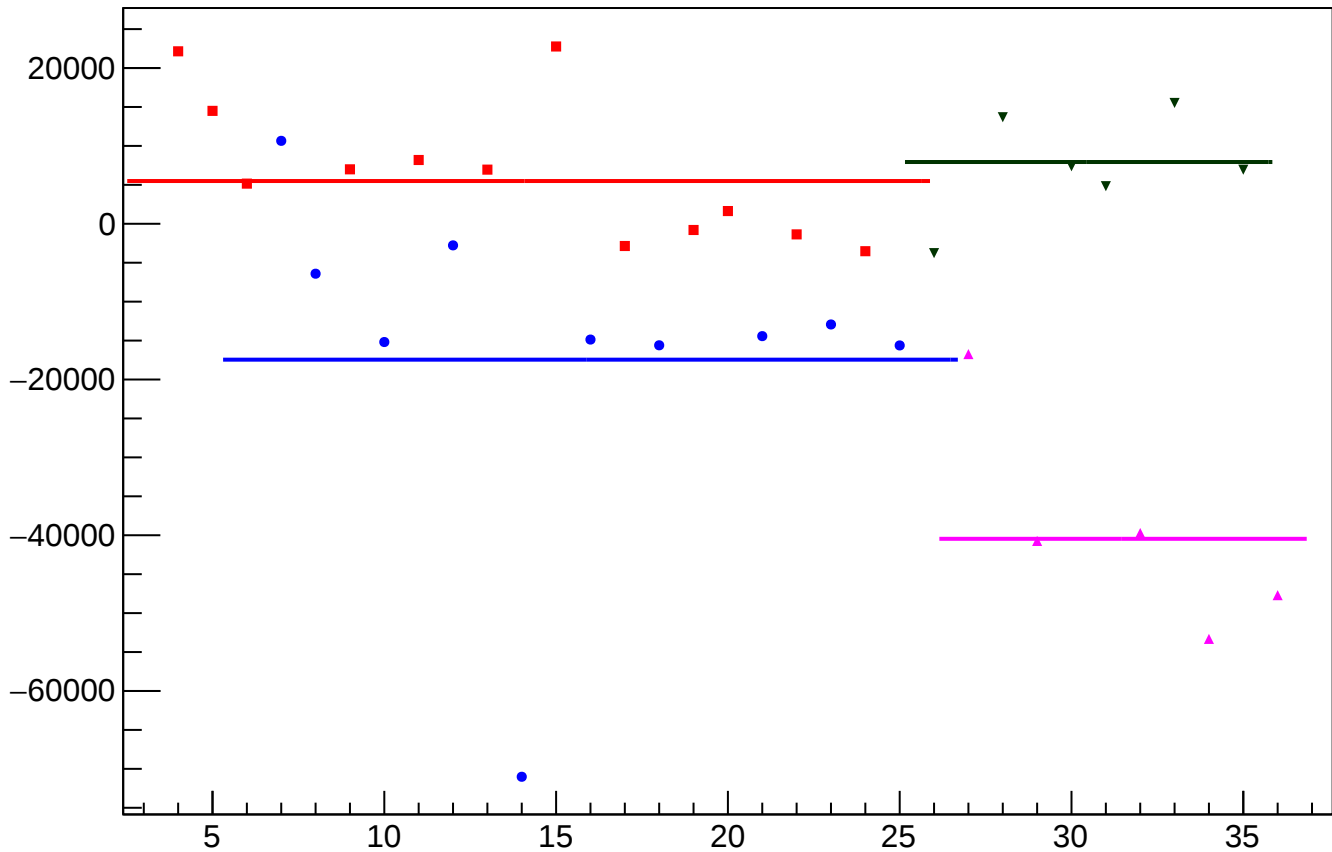
146.656+/-0.034 χ^2/NDF : 861758.8/15

Right Out: 149.184+/-0.044 χ^2/NDF : 879836.6/11

133.540+/-0.031 χ^2/NDF : 1195204.0/16

Left In: 117.364+/-0.044 χ^2/NDF : 52995.5/4

asym_bpm2i01WS_mean vs slug



Right In: -17450.855 ± 46.763 χ^2/NDF : 203331.0/9

Left Out: 7932.303 ± 59.978 χ^2/NDF : 10965.3/5

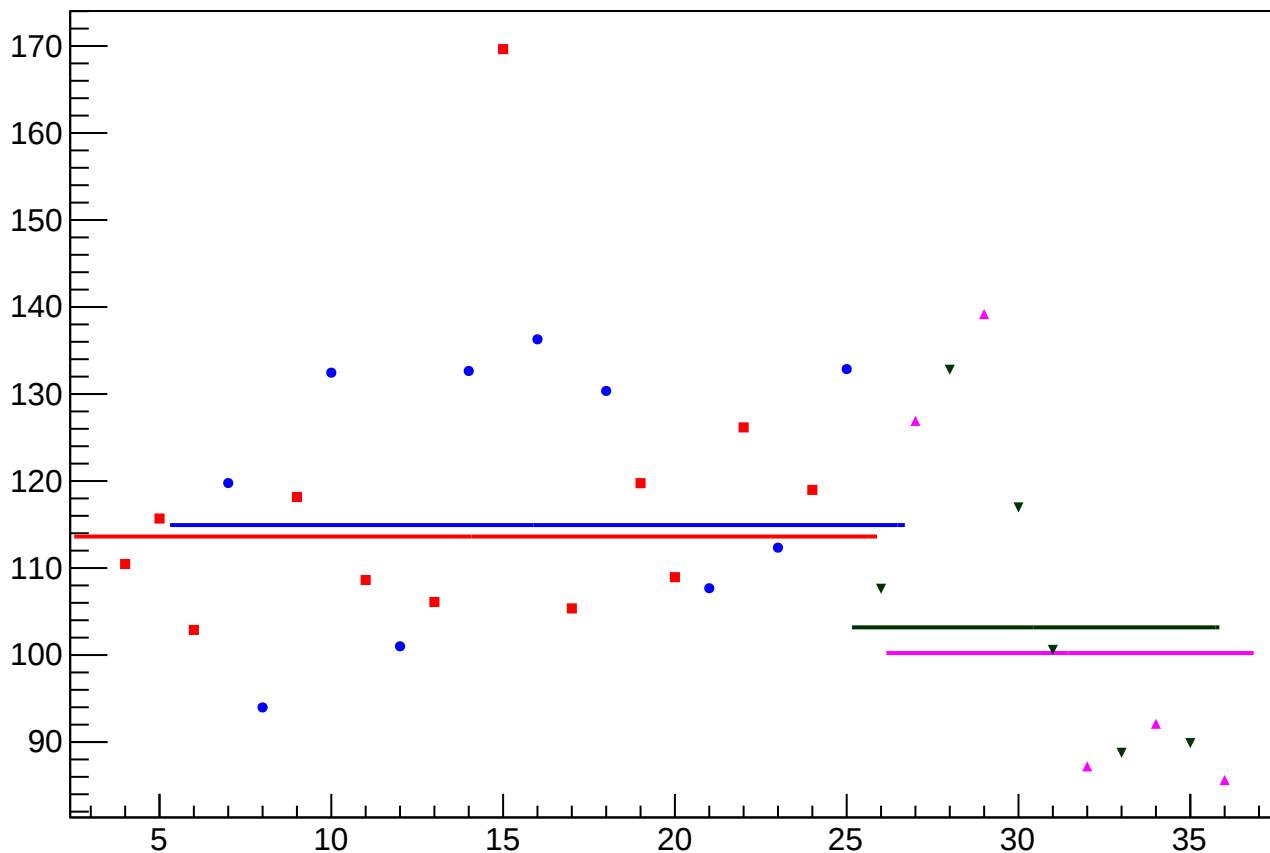
Right Out: 5490.592 ± 46.372 χ^2/NDF : 24655.8/11

Left In: -40458.218 ± 55.336 χ^2/NDF : 40330.7/4

-7854.263 ± 36.879 χ^2/NDF : 325688.7/15

-13465.472 ± 35.542 χ^2/NDF : 470033.2/16

asym_bpm2i01WS_rms vs slug



Right In: 114.939+/-0.033 χ^2/NDF : 233540.9/9

Left Out: 103.182+/-0.042 χ^2/NDF :130831.6/5

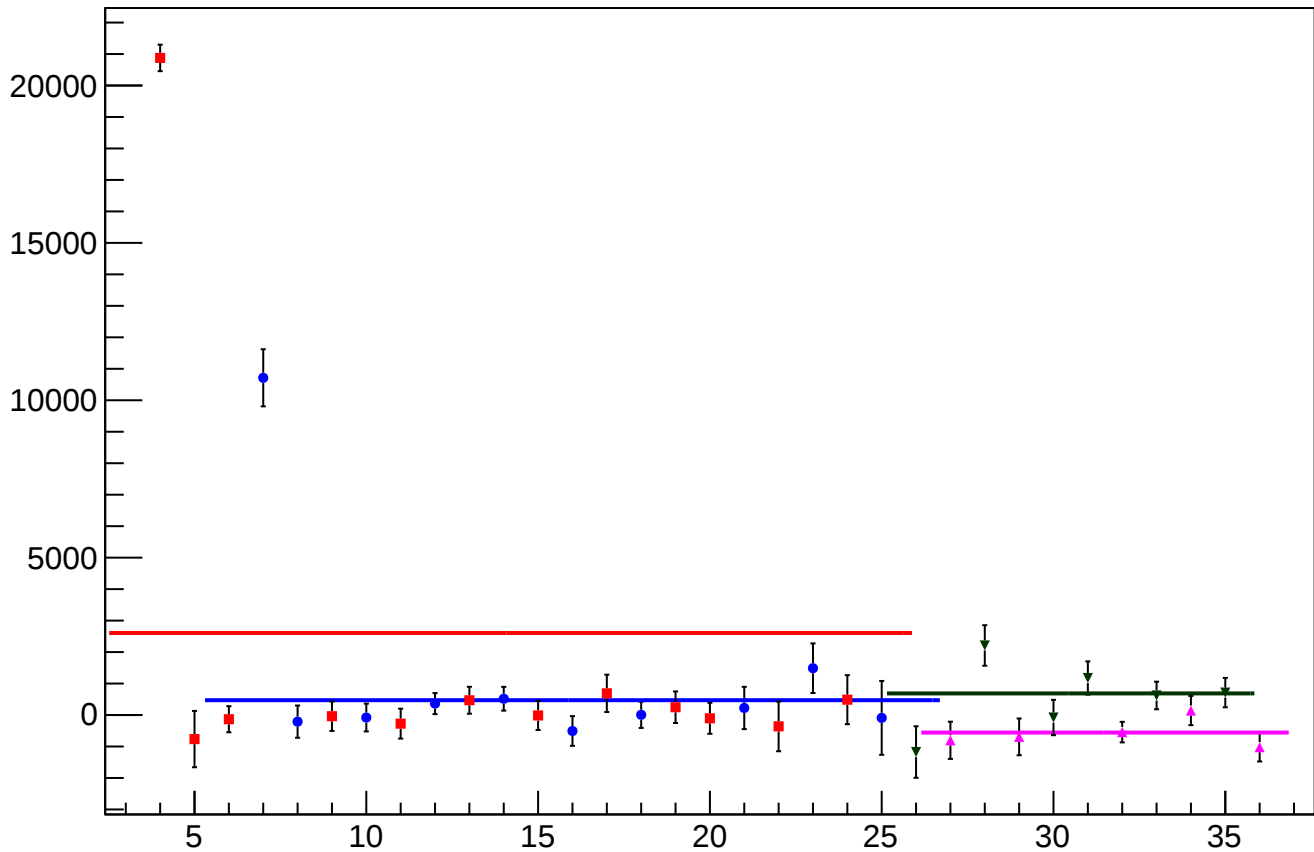
Right Out: 113.621+/-0.033 χ^2/NDF : 162658.1/11

Left In: 100.232+/-0.039 χ^2/NDF :268683.7/4

110.494+/-0.026 χ^2/NDF : 412166.2/15

108.097+/-0.025 χ^2/NDF : 500124.0/16

asym_bpm0i07WS_mean vs slug



Right In: 470.960+/-156.387 χ^2/NDF : 138.4/9

Left Out: 686.699+/-220.968 χ^2/NDF : 13.5/5

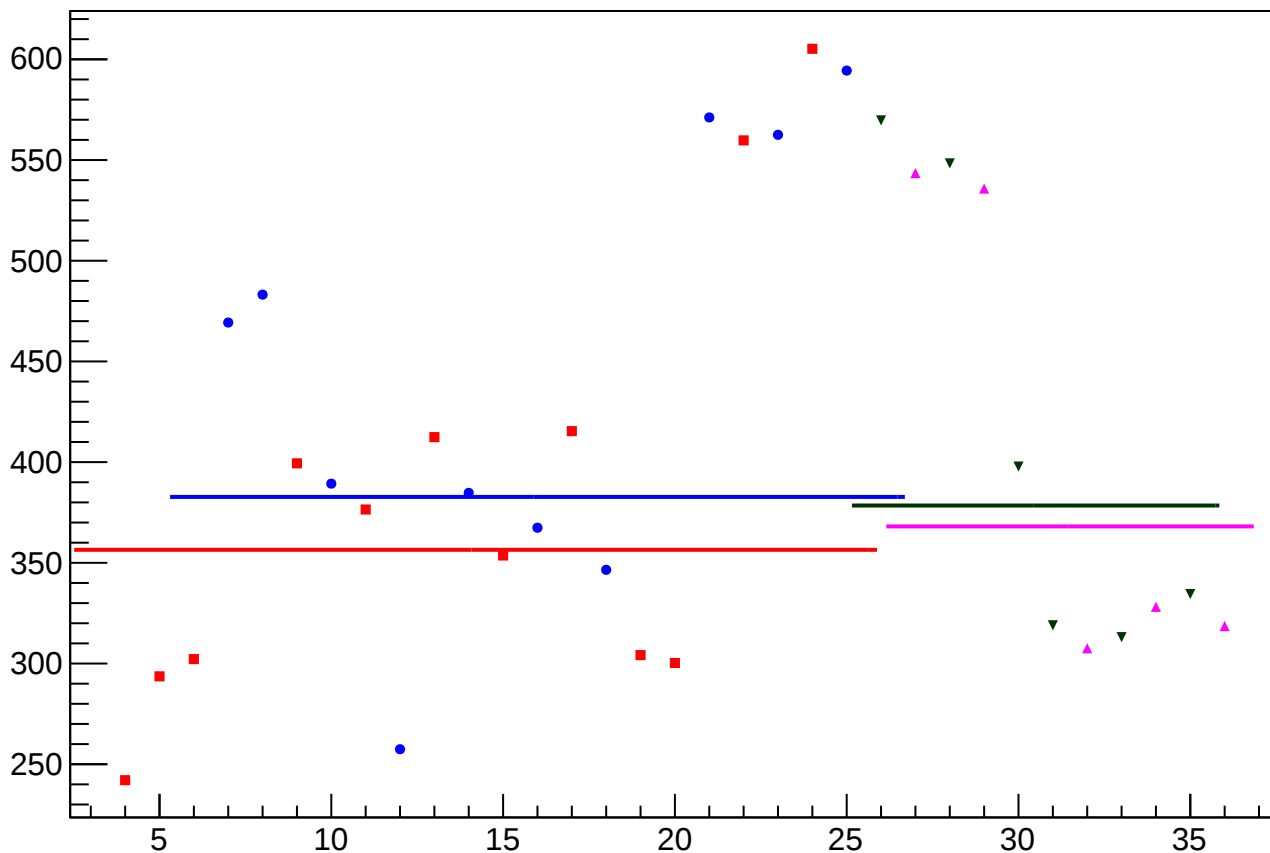
542.958+/-127.652 χ^2/NDF : 152.6/15

Right Out: 2606.972+/-147.343 χ^2/NDF : 2154.3/11

1502.872+/-118.882 χ^2/NDF : 2318.7/16

Left In: -556.537+/-201.232 χ^2/NDF : 3.6/4

asym_bpm0i07WS_rms vs slug



Right In: 382.730+/-0.111 χ^2/NDF : 720132.6/9

Left Out: 378.458+/-0.156 χ^2/NDF : 338428.6/5

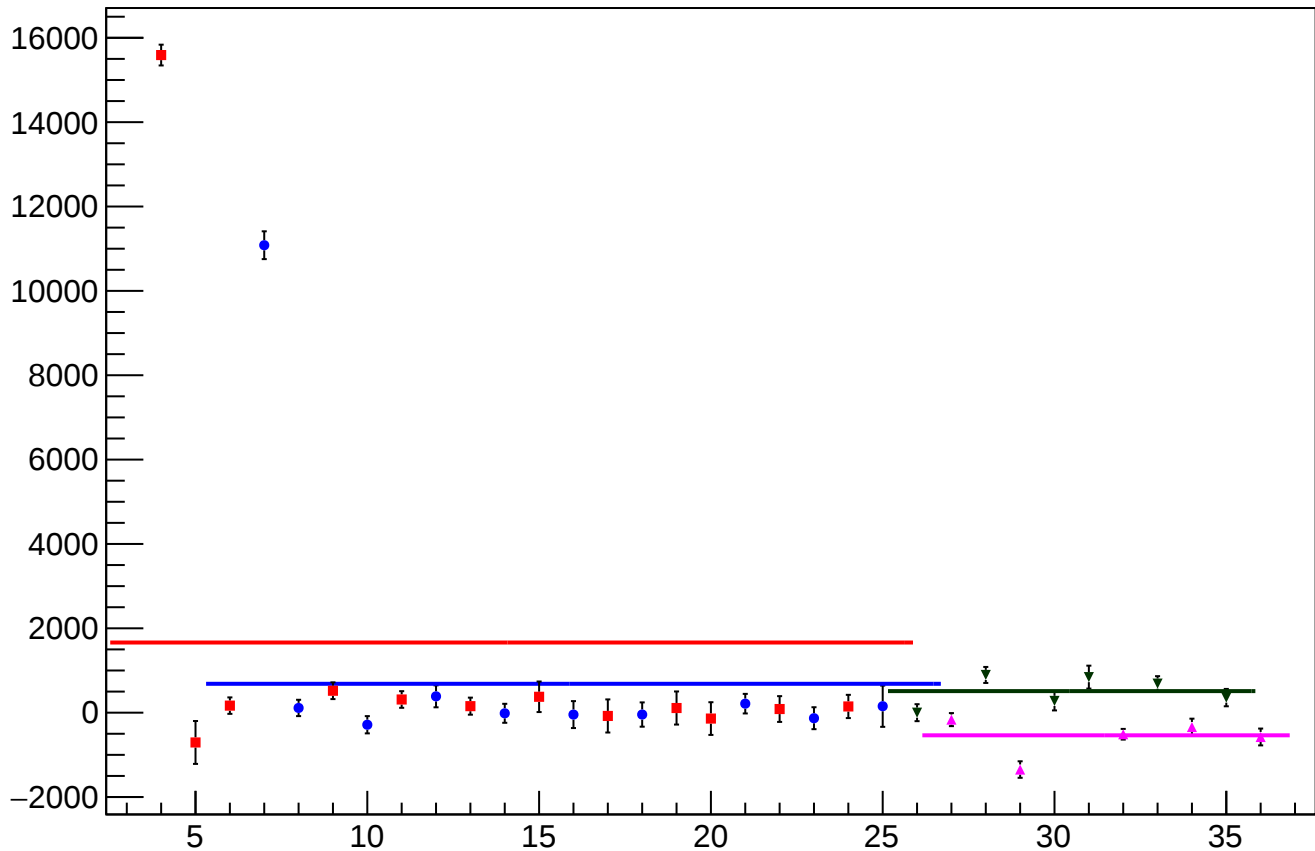
381.304+/-0.090 χ^2/NDF : 1059059.1/15

Right Out: 356.465+/-0.104 χ^2/NDF : 650032.0/11

360.522+/-0.084 χ^2/NDF : 1103017.1/16

Left In: 368.088+/-0.142 χ^2/NDF : 448640.9/4

asym_bpm0l01WS_mean vs slug



Right In: 684.597 ± 80.654 χ^2/NDF : 1063.9/9

Left Out: 511.252 ± 84.109 χ^2/NDF : 14.7/5

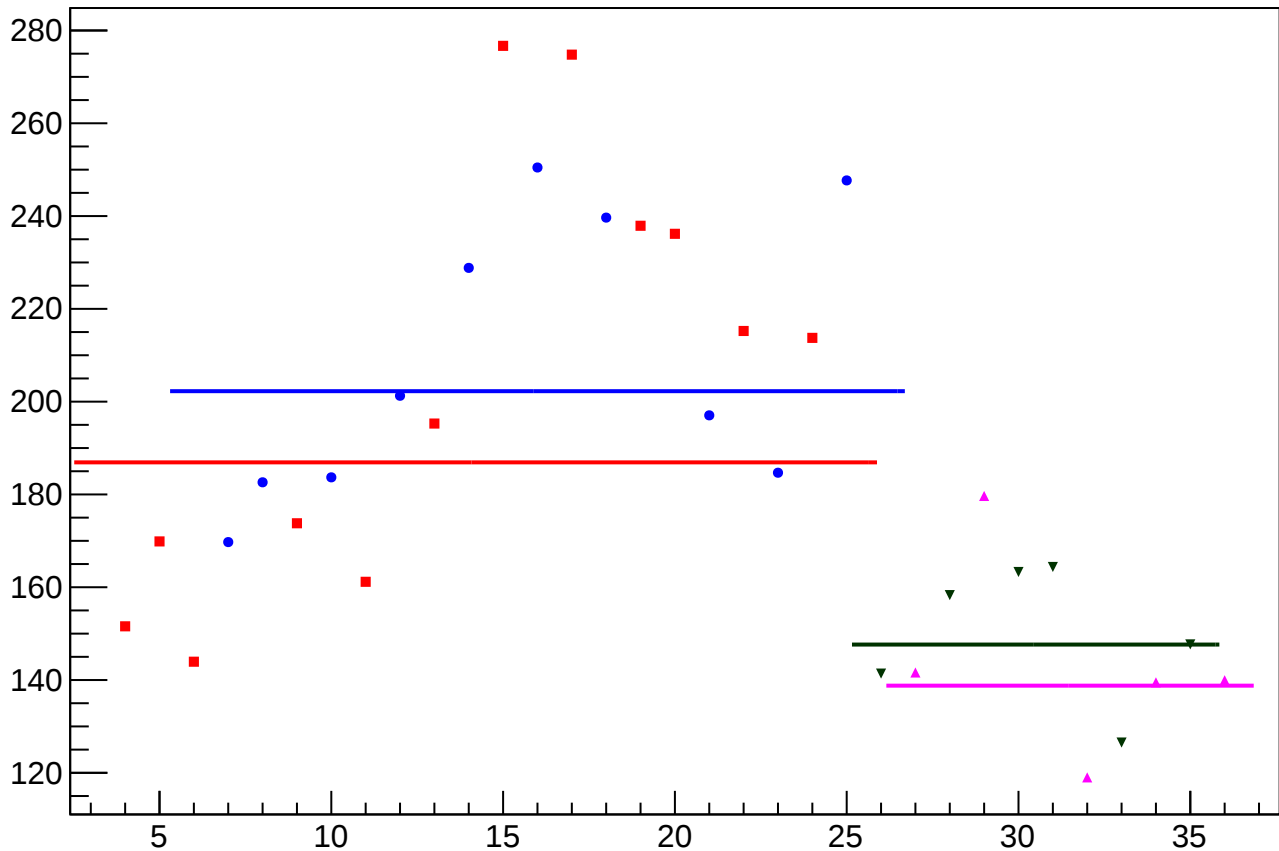
601.557 ± 58.214 χ^2/NDF : 1080.8/15

Right Out: 1663.245 ± 75.915 χ^2/NDF : 3538.6/11

540.034 ± 53.110 χ^2/NDF : 3991.4/16

Left In: -536.723 ± 74.329 χ^2/NDF : 24.0/4

asym_bpm0l01WS_rms vs slug



Right In: 202.258+/-0.057 χ^2/NDF : 191196.0/9

Left Out: 147.645+/-0.059 χ^2/NDF : 54029.6/5

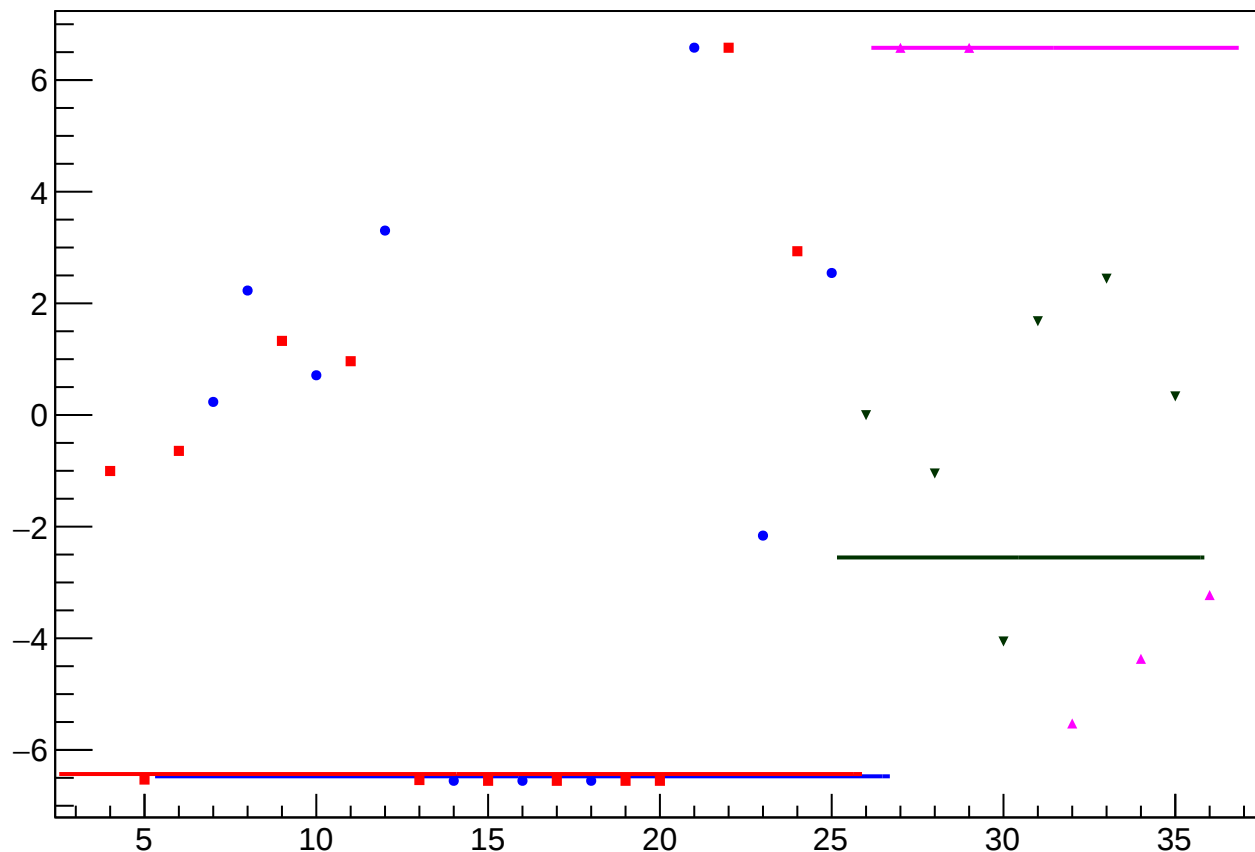
176.096+/-0.041 χ^2/NDF : 684496.1/15

Right Out: 186.914+/-0.054 χ^2/NDF : 512292.6/11

162.343+/-0.038 χ^2/NDF : 1059426.5/16

Left In: 138.788+/-0.053 χ^2/NDF : 136764.1/4

yield_cav4bX_mean vs slug



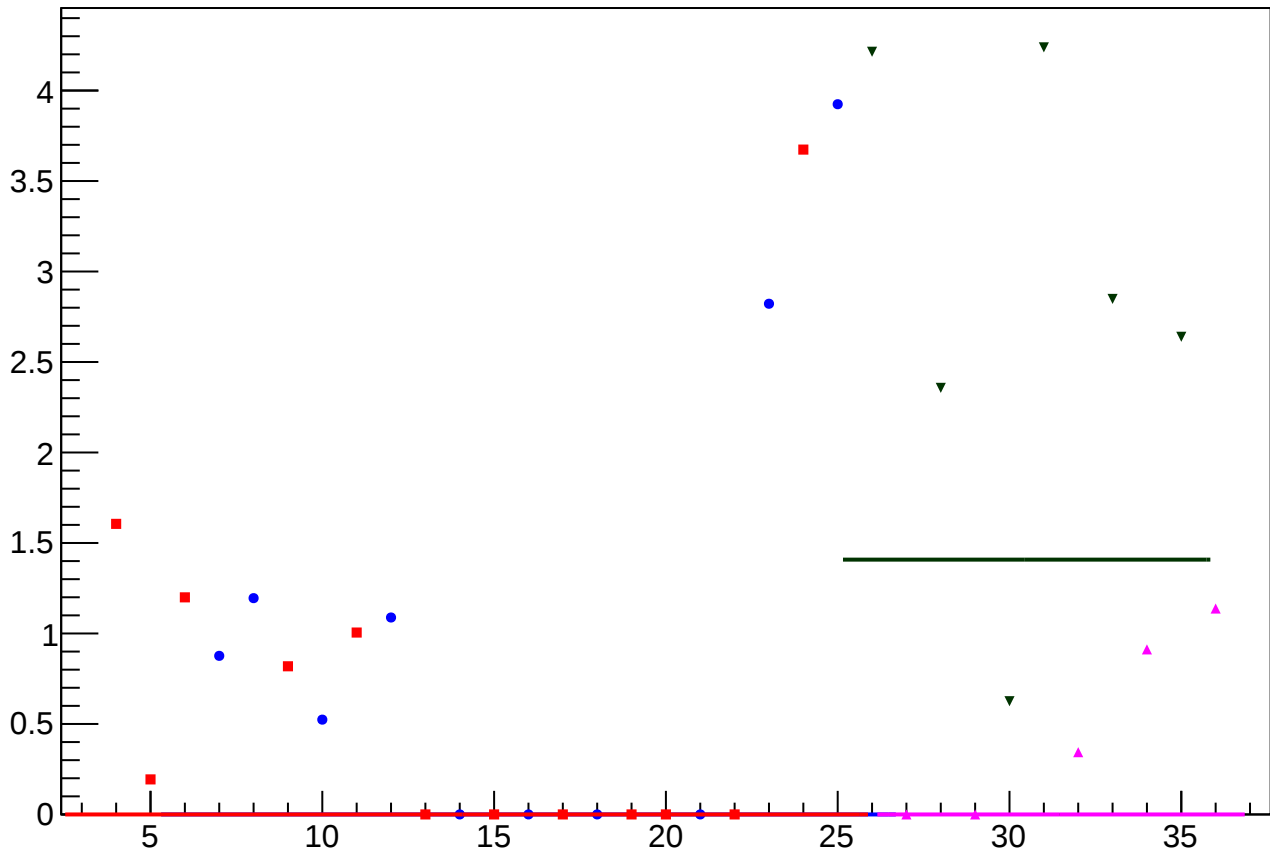
Right In: -6.473+/-0.000 χ^2/NDF : 127847927584822.3/9

Left Out: -6.432+/-0.000 χ^2/NDF : 150837601506010.5/11

Right Out: -6.315+/-0.000 χ^2/NDF : 297092090822981.2/11

Left In: 6.578+/-0.000 χ^2/NDF : 436301660.7/4

yield_cav4bX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 4264427.3/9

Left Out: 1.408+/-0.001 χ^2/NDF :1859868.9/5

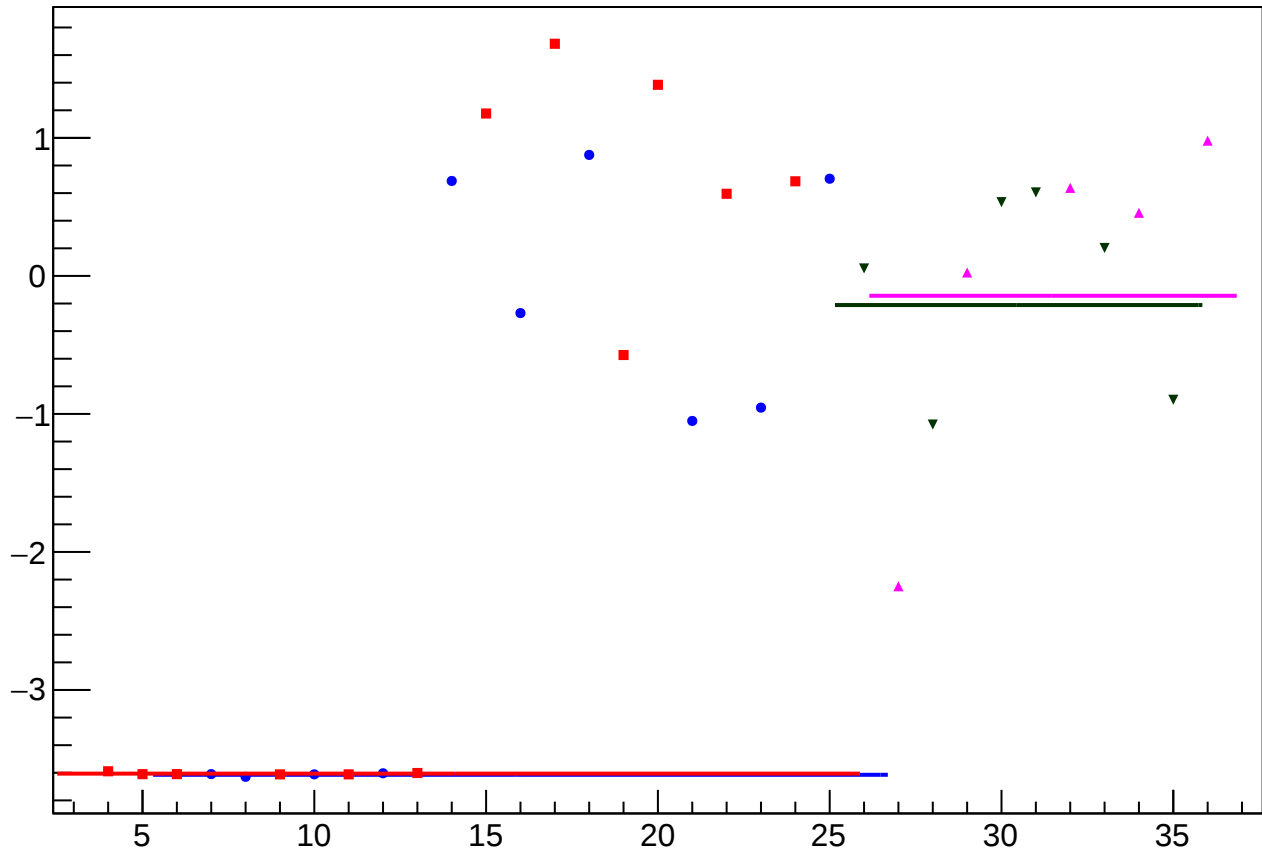
0.000+/-0.000 χ^2/NDF : 9010288.9/15

Right Out: 0.000+/-0.000 χ^2/NDF : 4072994.8/11

0.000+/-0.000 χ^2/NDF : 5771426.5/16

Left In: 0.000+/-0.000 χ^2/NDF :1698380.7/4

yield_cav4bY_mean vs slug



Right In: -3.614+/-0.000 χ^2/NDF : 49061627309.8/9

-3.614+/-0.000 χ^2/NDF : 49104761620.9/15

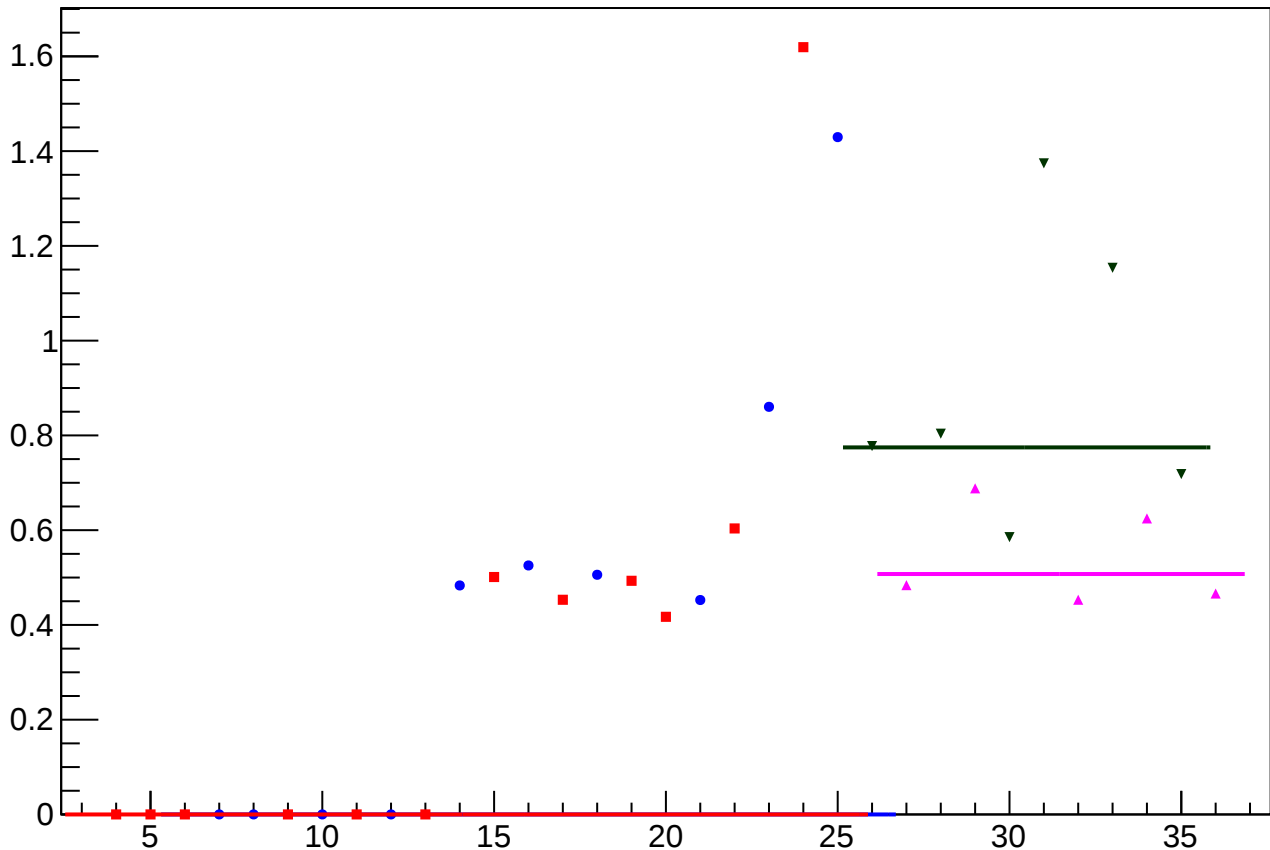
Left Out: -0.211+/-0.001 χ^2/NDF : 1664909.8/5

Right Out: -3.606+/-0.000 χ^2/NDF : 37750030407.7/11

-3.606+/-0.000 χ^2/NDF : 37872644071.7/16

Left In: -0.144+/-0.000 χ^2/NDF : 14715525.4/4

yield_cav4bY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 5803105.9/9

Left Out: 0.775+/-0.000 χ^2/NDF : 274241.5/5

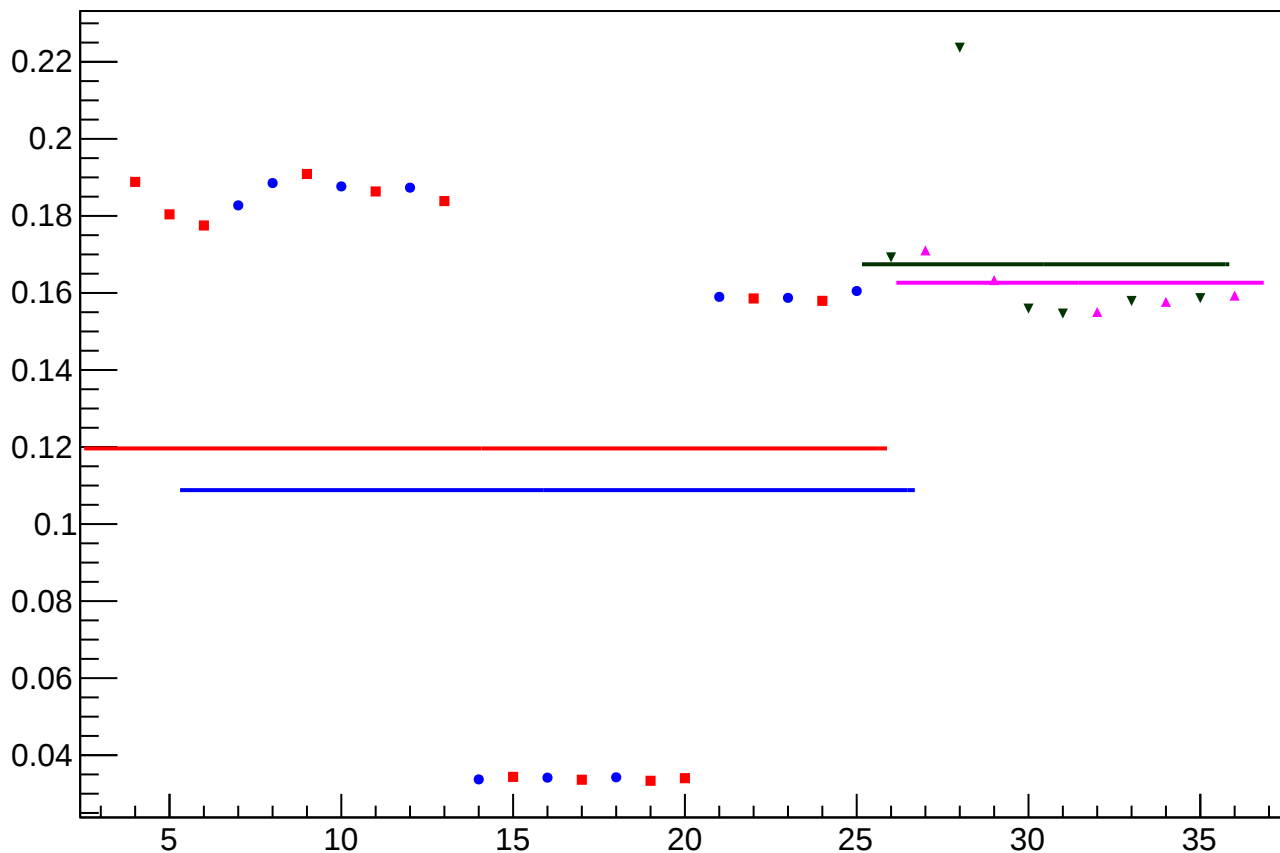
Right Out: 0.000+/-0.000 χ^2/NDF : 4205917.4/11

Left In: 0.507+/-0.000 χ^2/NDF : 119593.5/4

0.000+/-0.000 χ^2/NDF : 10373719.4/15

0.000+/-0.000 χ^2/NDF : 8960205.5/16

yield_cav4cX_mean vs slug



Right In: 0.109 $\pm$ 0.000 χ^2 /NDF: 4567388624.2/9

Left Out: 0.167 $\pm$ 0.000 χ^2 /NDF: 93026628.4/5

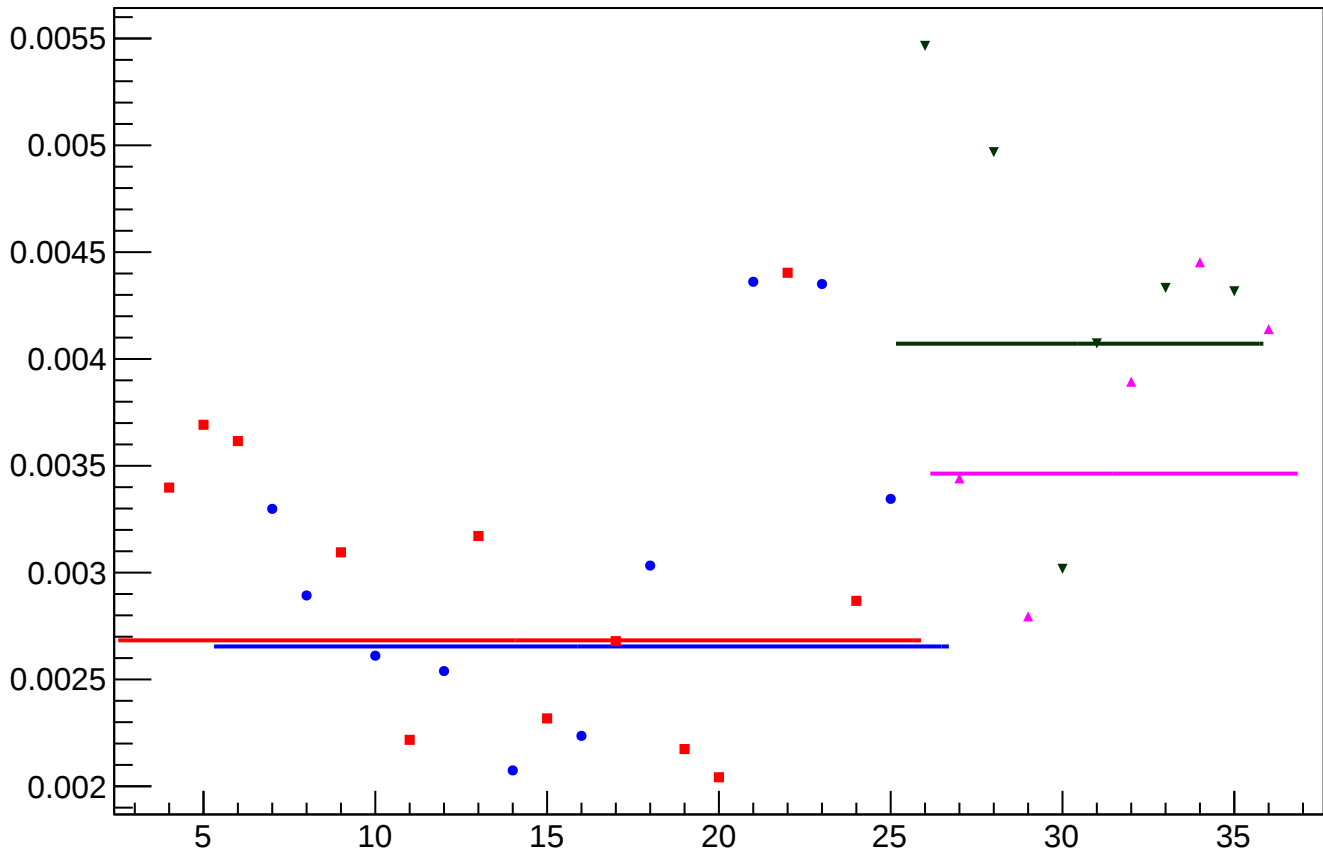
Right Out: 0.120 $\pm$ 0.000 χ^2 /NDF: 4203649870.8/11

Left In: 0.163 $\pm$ 0.000 χ^2 /NDF: 8768362.4/4

0.119 $\pm$ 0.000 χ^2 /NDF: 5148346139.6/15

0.131 $\pm$ 0.000 χ^2 /NDF: 4586451280.4/16

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 : 230302.8/5

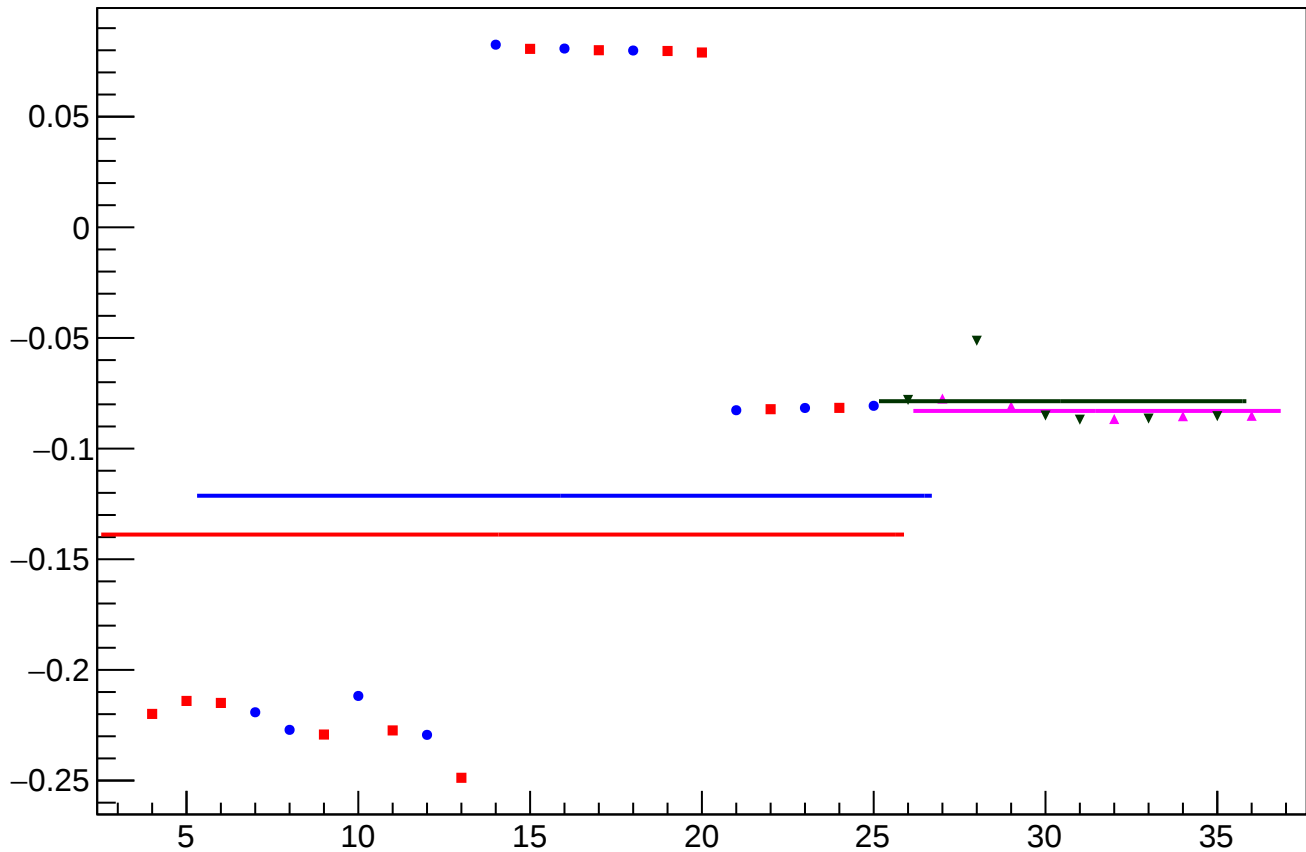
Right Out: 0.003+/-0.000 χ^2/NDF : 526292.2/11

Left In: 0.003+/-0.000 χ^2/NDF : 181300.5/4

0.003+/-0.000 χ^2/NDF : 1439968.6/15

0.003+/-0.000 χ^2/NDF : 953846.0/16

yield_cav4cY_mean vs slug



Right In: -0.121+/-0.000 χ^2/NDF : 9521473366.6/9

Left Out: -0.079+/-0.000 χ^2/NDF : 32251322.1/5

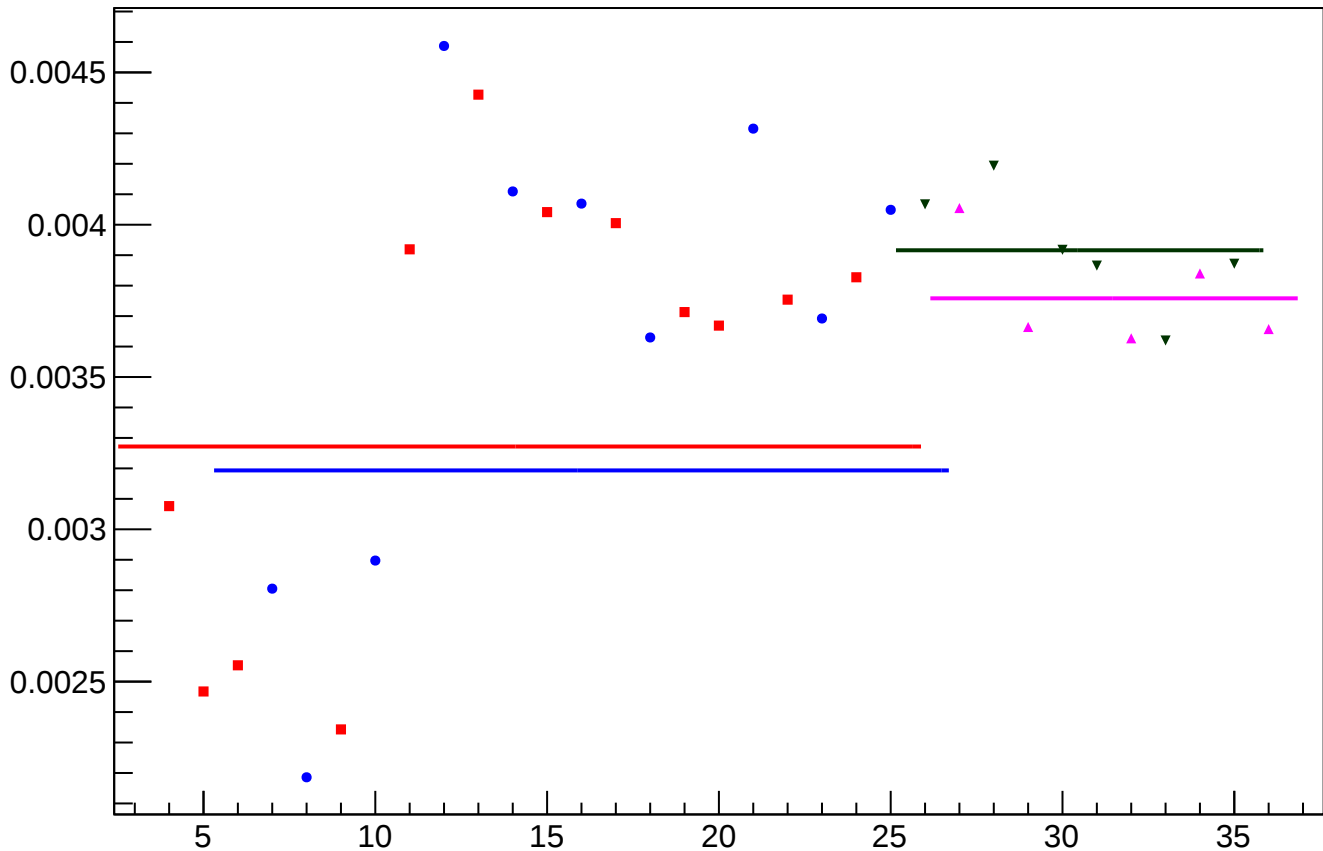
Right Out: -0.139+/-0.000 χ^2/NDF : 8617094052.4/11

Left In: -0.083+/-0.000 χ^2/NDF : 3080181.9/4

-0.110+/-0.000 χ^2/NDF : 9814638240.7/15

-0.121+/-0.000 χ^2/NDF : 9143028818.0/16

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 :13313.1/5

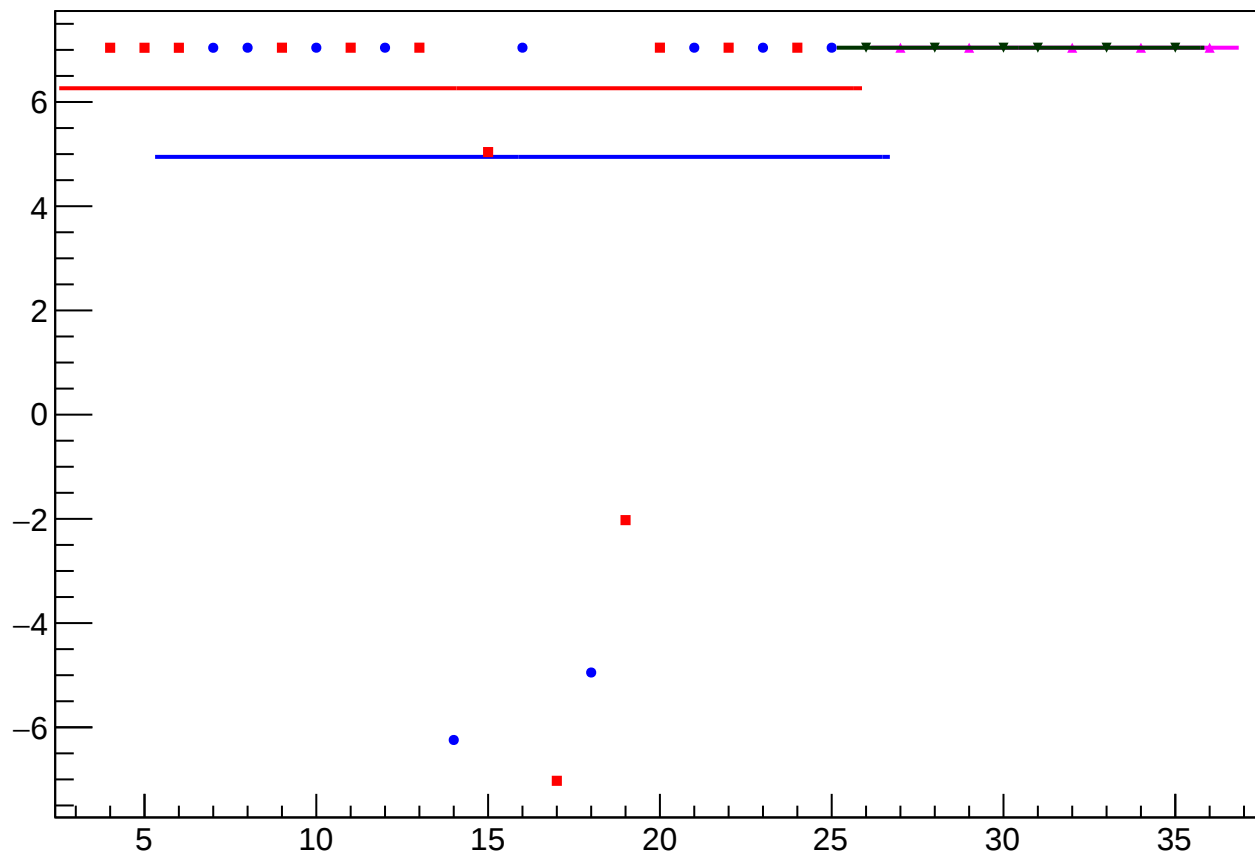
0.003+/-0.000 χ^2/NDF : 978763.5/15

Right Out: 0.003+/-0.000 χ^2/NDF : 615311.7/11

0.003+/-0.000 χ^2/NDF : 707983.5/16

Left In: 0.004+/-0.000 χ^2/NDF :13381.7/4

yield_cav4dX_mean vs slug



Right In: 4.947+/-0.000 χ^2/NDF : 4224474165211712.0/9

Left Out: 7.042+/-0.000 χ^2/NDF : 692498.8/5

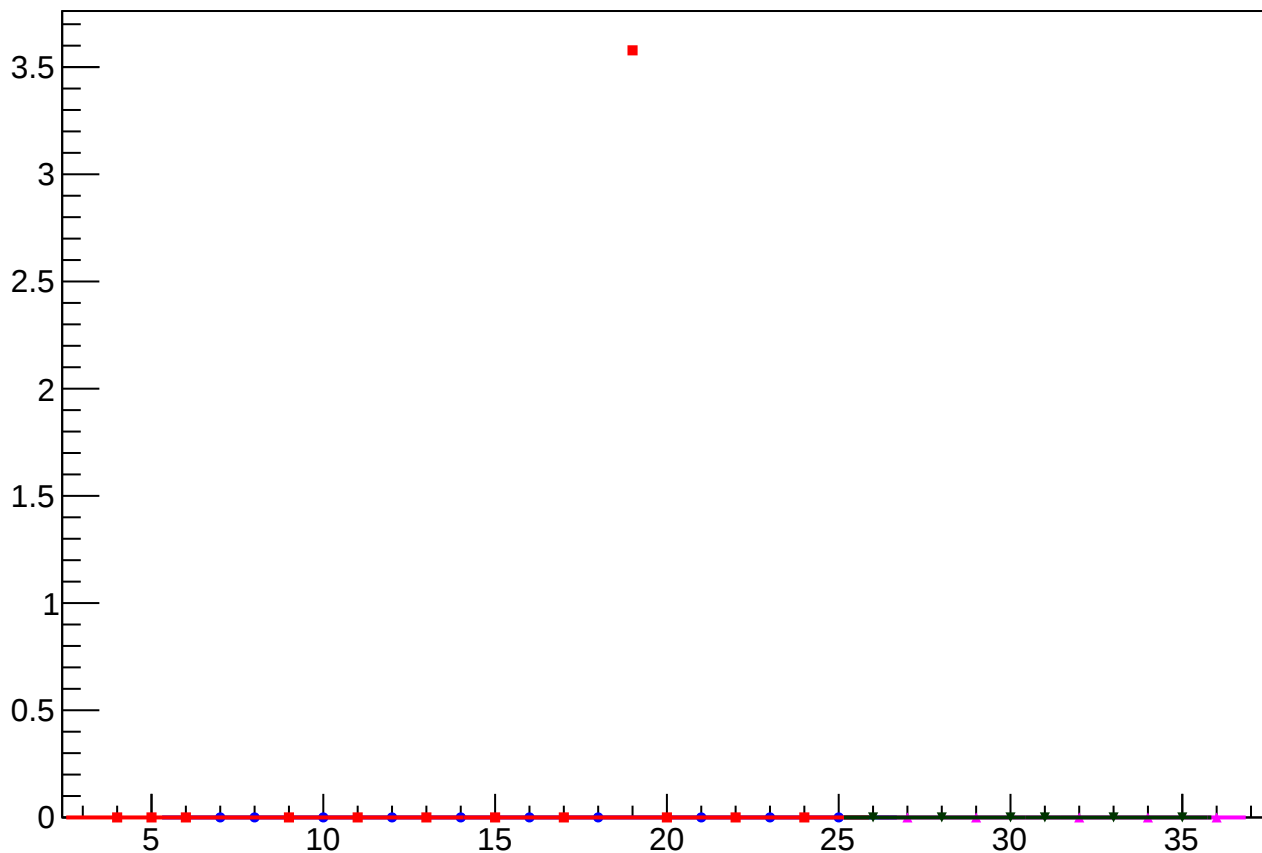
Right Out: 6.264+/-0.000 χ^2/NDF : 1812076141929126.0/11

Left In: 7.042+/-0.000 χ^2/NDF : 177931.5/4

5.760+/-0.000 χ^2/NDF : 4537891566065938.0/1

6.599+/-0.000 χ^2/NDF : 1859275771949951.0/1

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:660.2/5

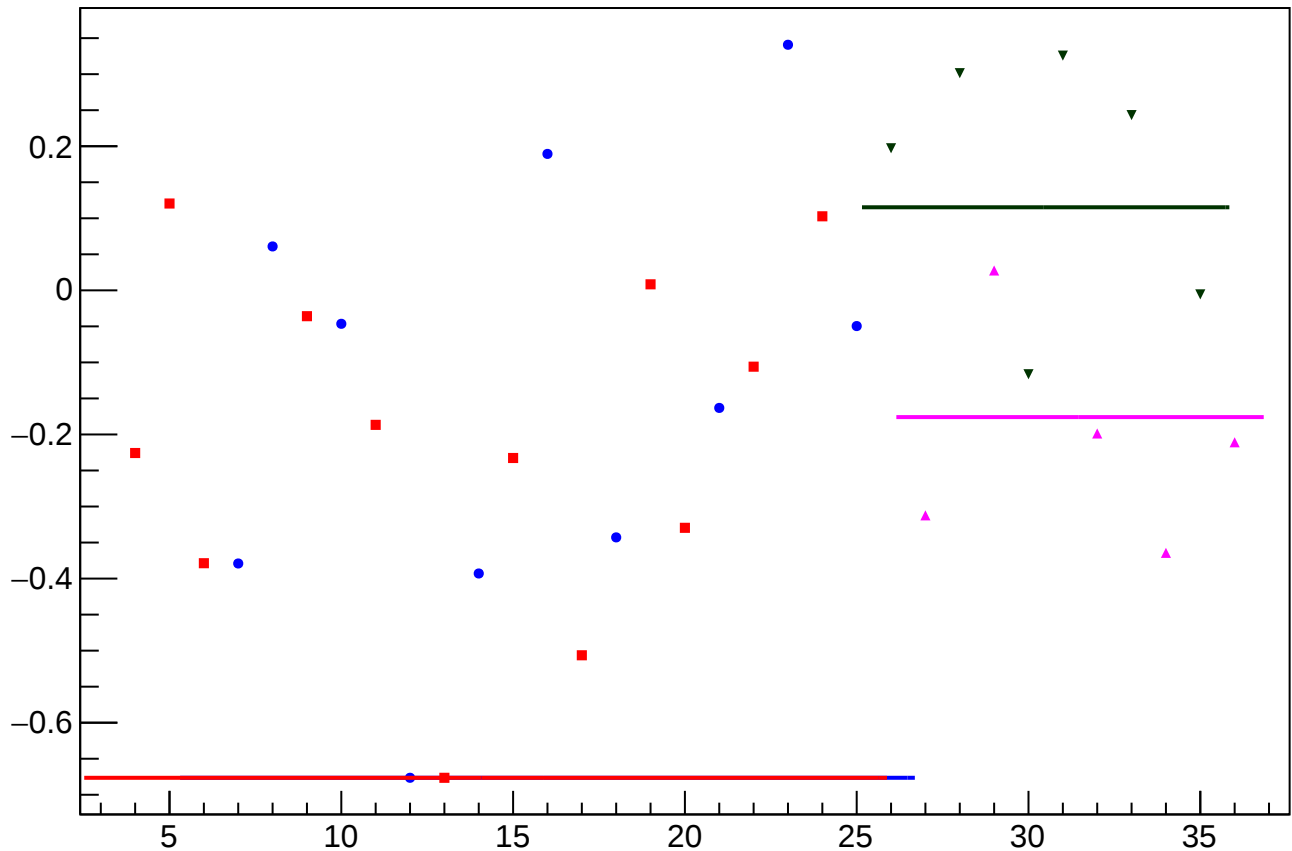
Right Out: 0.000+/-0.000 χ^2 /NDF: 696528.7/11

Left In: 0.000+/-0.000 χ^2 /NDF:1154.8/4

0.000+/-0.000 χ^2 /NDF: 3753.5/15

0.000+/-0.000 χ^2 /NDF: 700030.6/16

yield_cav4dY_mean vs slug



Right In: -0.676+/-0.000 χ^2/NDF : 214817629.7/9

Left Out: 0.115+/-0.000 χ^2/NDF : 6018507.9/5

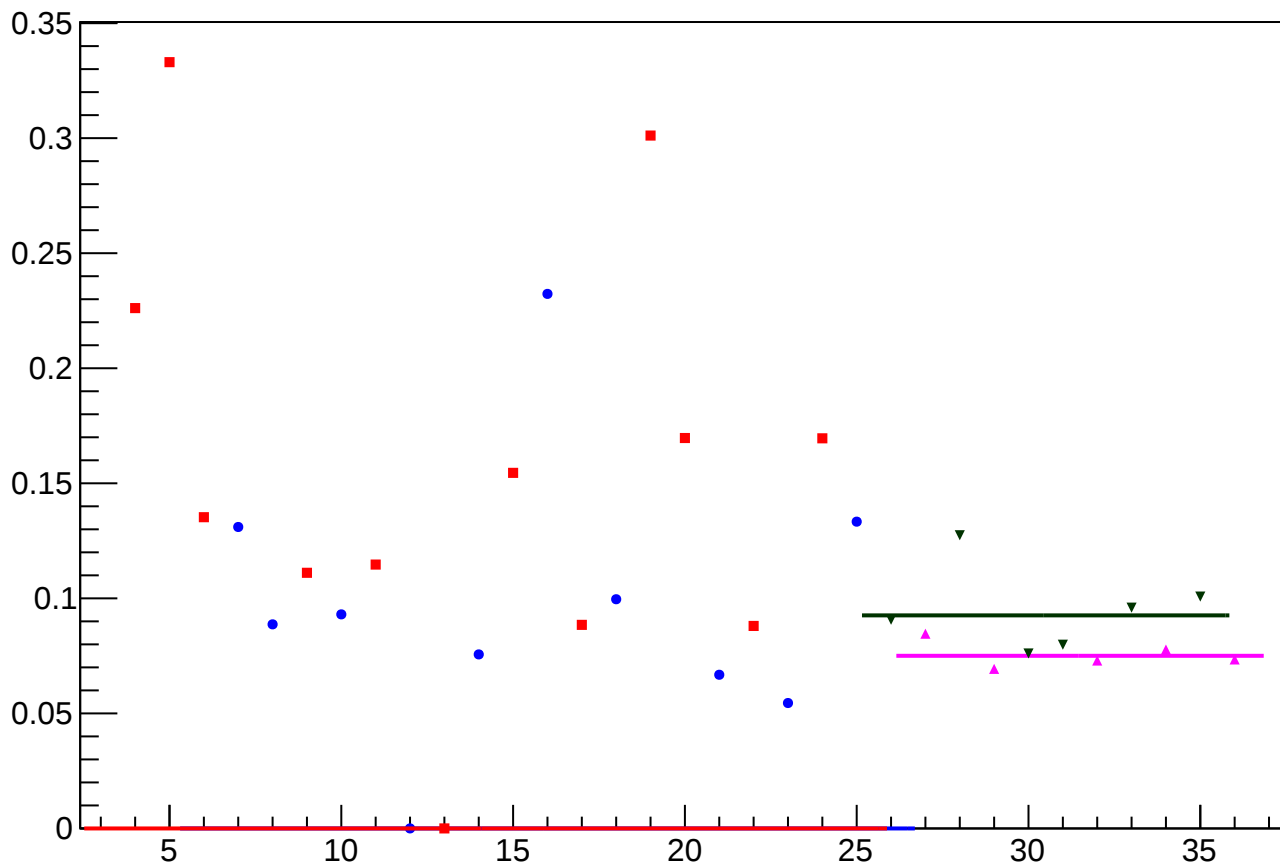
Right Out: -0.676+/-0.000 χ^2/NDF : 65929973.4/11

Left In: -0.176+/-0.000 χ^2/NDF : 6869397.6/4

-0.676+/-0.000 χ^2/NDF : 341501075.3/15

-0.676+/-0.000 χ^2/NDF : 159957459.0/16

yield_cav4dY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 8329805.9/9

Left Out: 0.093+/-0.000 χ^2/NDF :107083.7/5

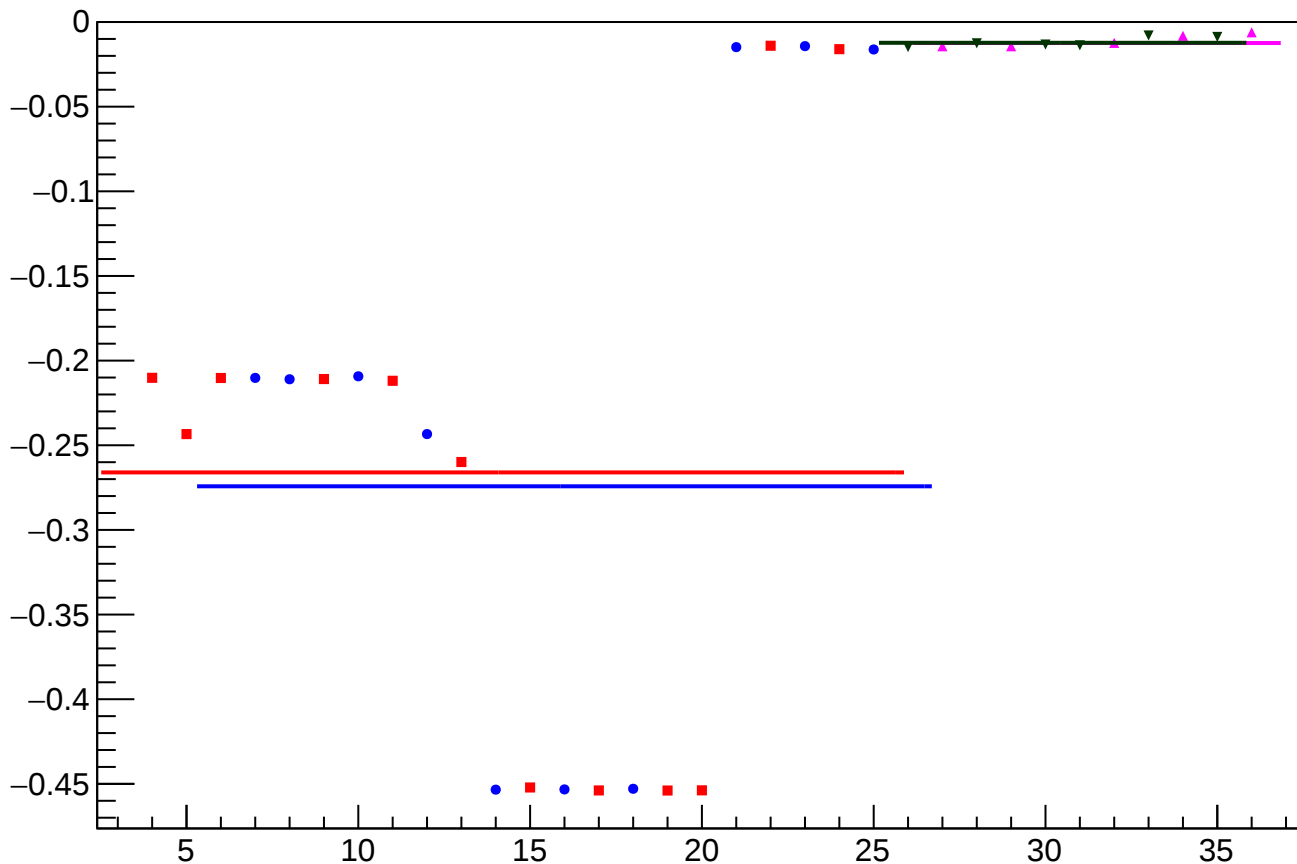
Right Out: 0.000+/-0.000 χ^2/NDF : 8085708.6/11

Left In: 0.075+/-0.000 χ^2/NDF :22181.7/4

0.000+/-0.000 χ^2/NDF : 11737404.0/15

0.000+/-0.000 χ^2/NDF : 12023005.3/16

yield_bpm4aX_mean vs slug



Right In: -0.274+/-0.000 χ^2/NDF : 3355082930.6/9

Left Out: -0.012+/-0.000 χ^2/NDF : 204888.9/5

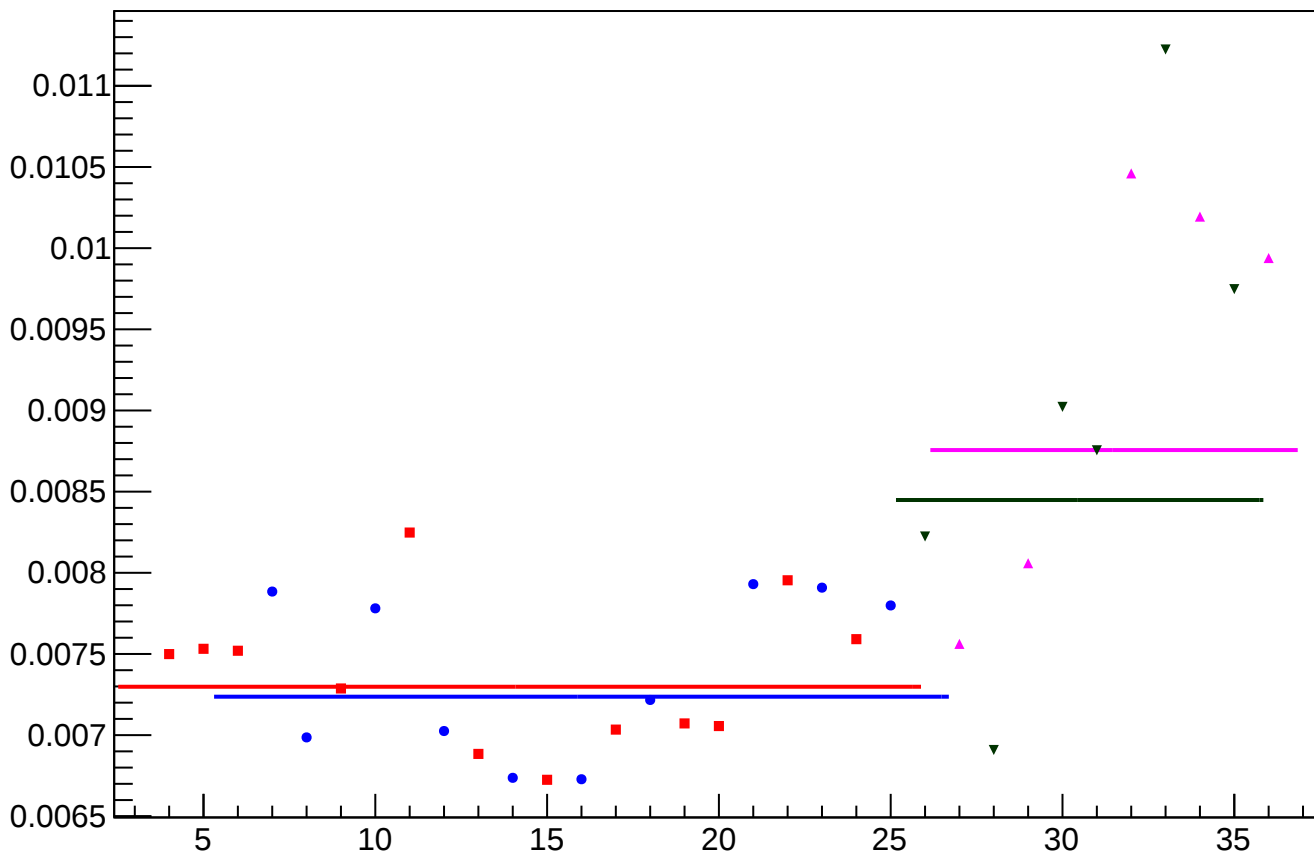
Right Out: -0.266+/-0.000 χ^2/NDF : 2610218769.9/11

Left In: -0.012+/-0.000 χ^2/NDF : 382980.2/4

-0.207+/-0.000 χ^2/NDF : 5492598685.5/15

-0.197+/-0.000 χ^2/NDF : 4710122966.1/16

yield_bpm4aX_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 54029.4/9

Left Out: 0.008+/-0.000 χ^2/NDF :152335.0/5

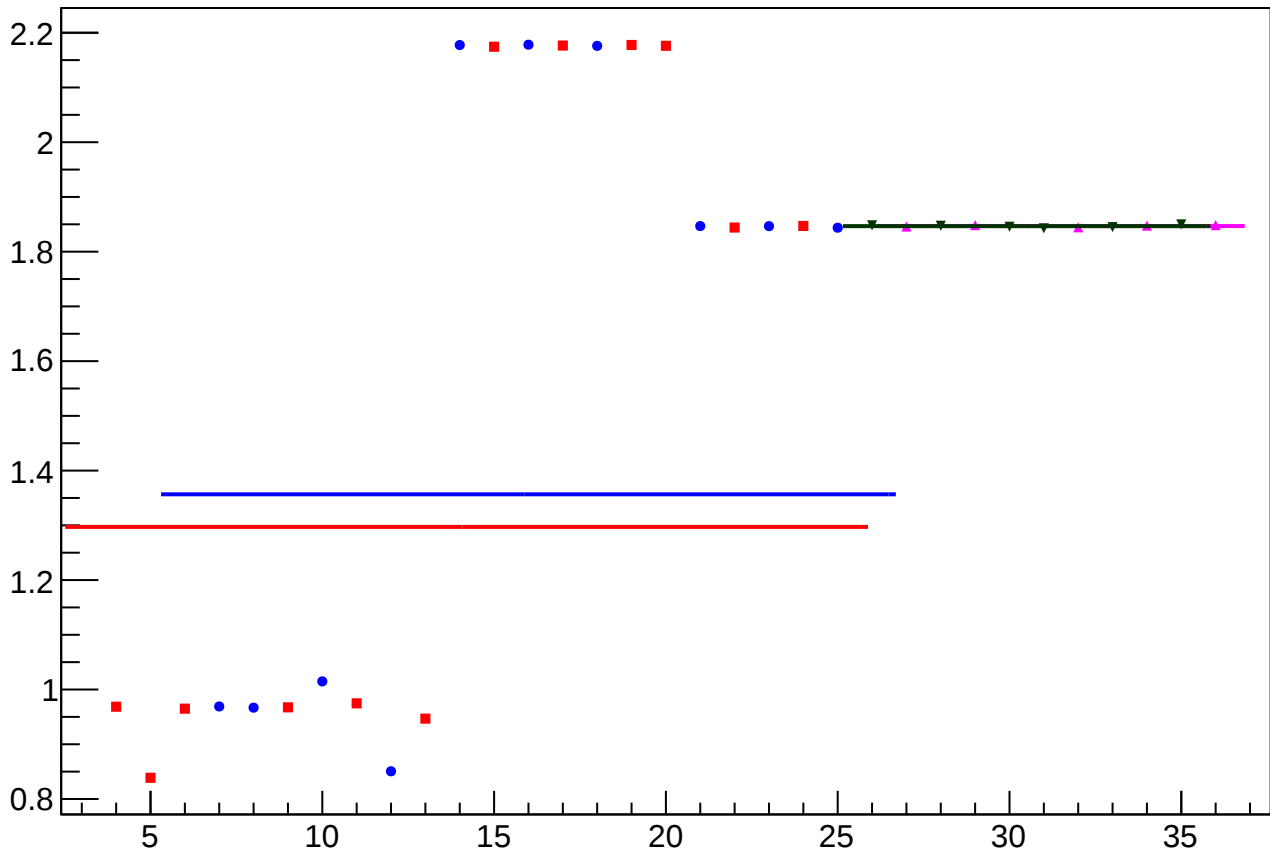
Right Out: 0.007+/-0.000 χ^2/NDF : 46835.5/11

Left In: 0.009+/-0.000 χ^2/NDF :134267.0/4

0.008+/-0.000 χ^2/NDF : 297821.8/15

0.008+/-0.000 χ^2/NDF : 319886.8/16

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 : 63619.8/5

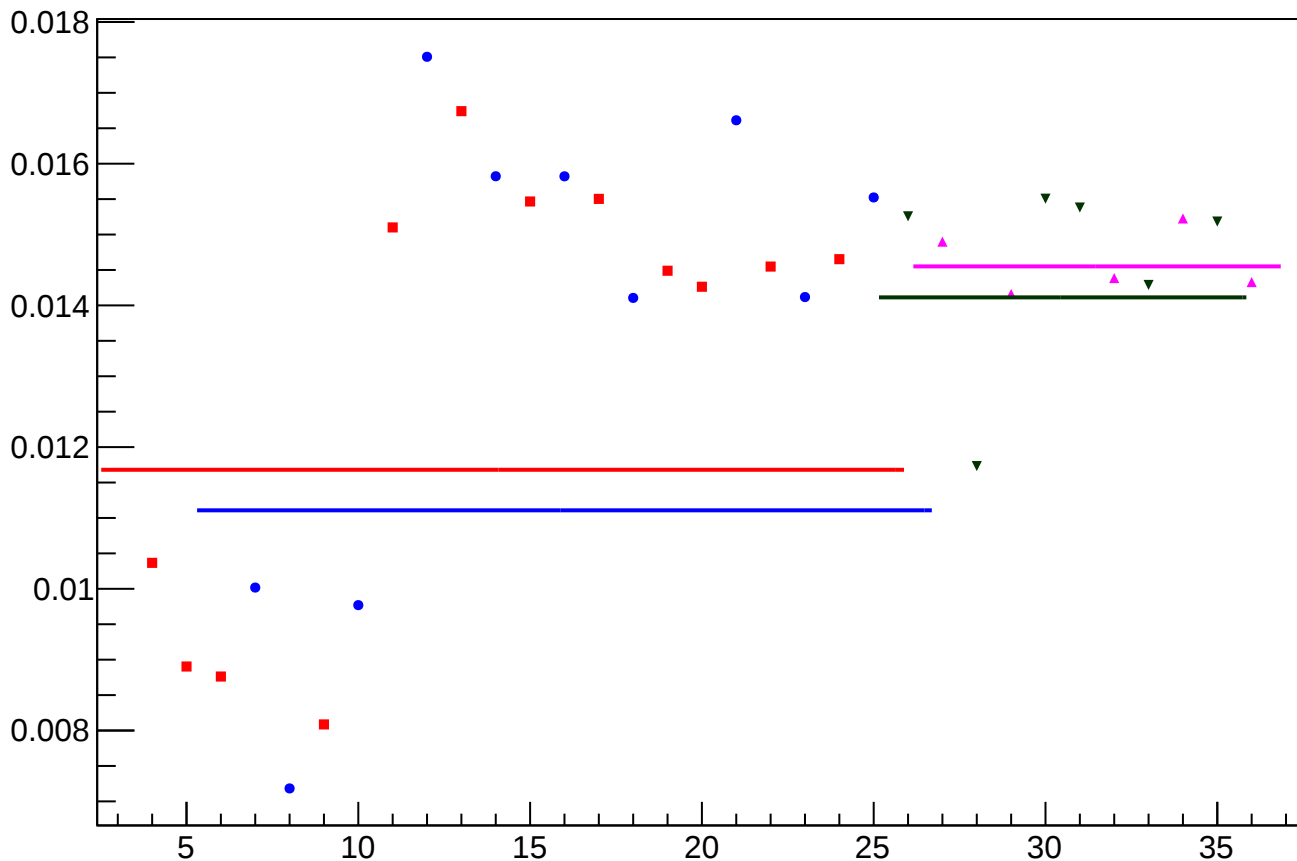
1.477+/-0.000 χ^2/NDF : 15006221167.6/15

Right Out: 1.297+/-0.000 χ^2/NDF : 10947439943.1/11

1.452+/-0.000 χ^2/NDF : 14508668942.3/16

Left In: 1.847+/-0.000 χ^2/NDF : 45106.8/4

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 : 71598.7/5

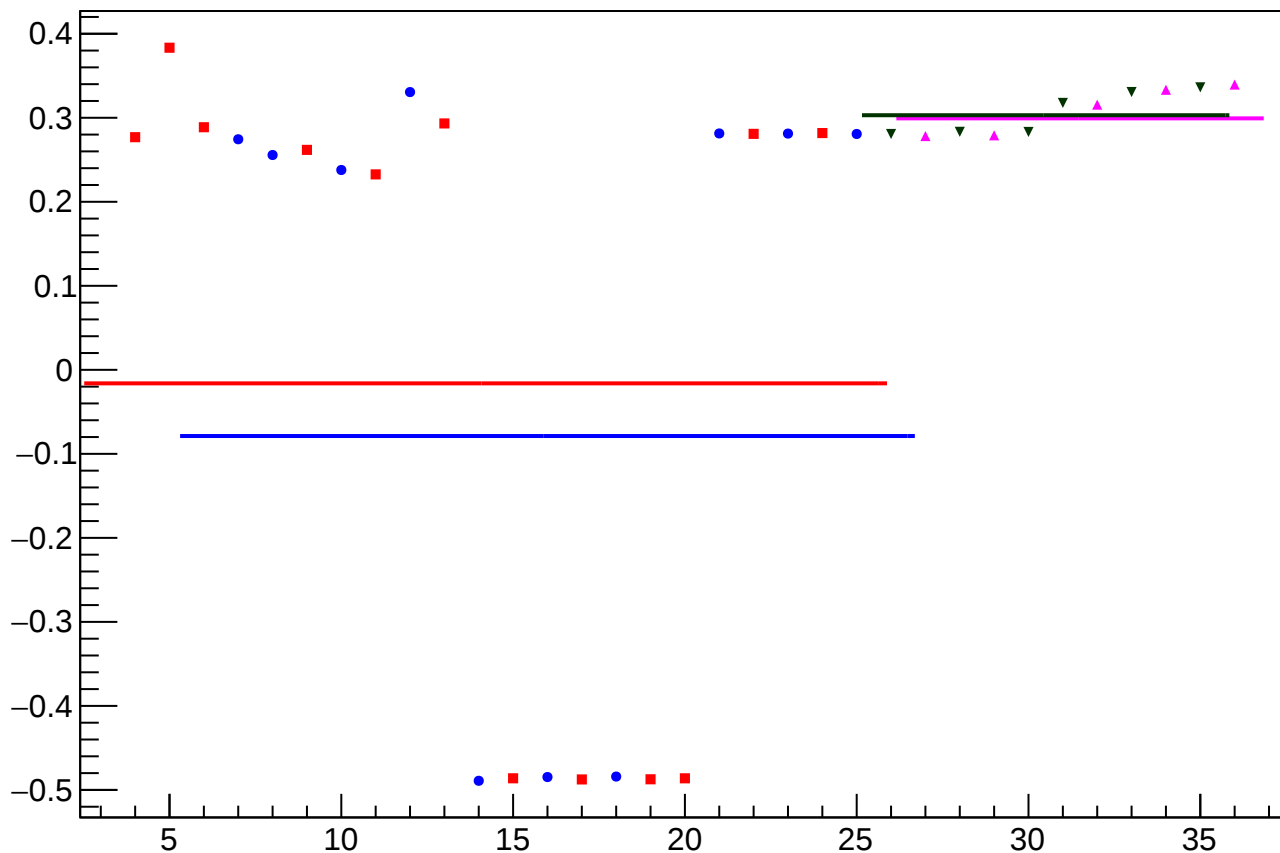
Right Out: 0.012+/-0.000 χ^2/NDF : 930559.5/11

Left In: 0.015+/-0.000 χ^2/NDF : 4518.5/4

0.012+/-0.000 χ^2/NDF : 1572398.9/15

0.012+/-0.000 χ^2/NDF : 1129312.7/16

yield_bpm4eX_mean vs slug



Right In: -0.079+/-0.000 χ^2/NDF : 2891377449.8/9

Left Out: 0.303+/-0.000 χ^2/NDF : 3295421.8/5

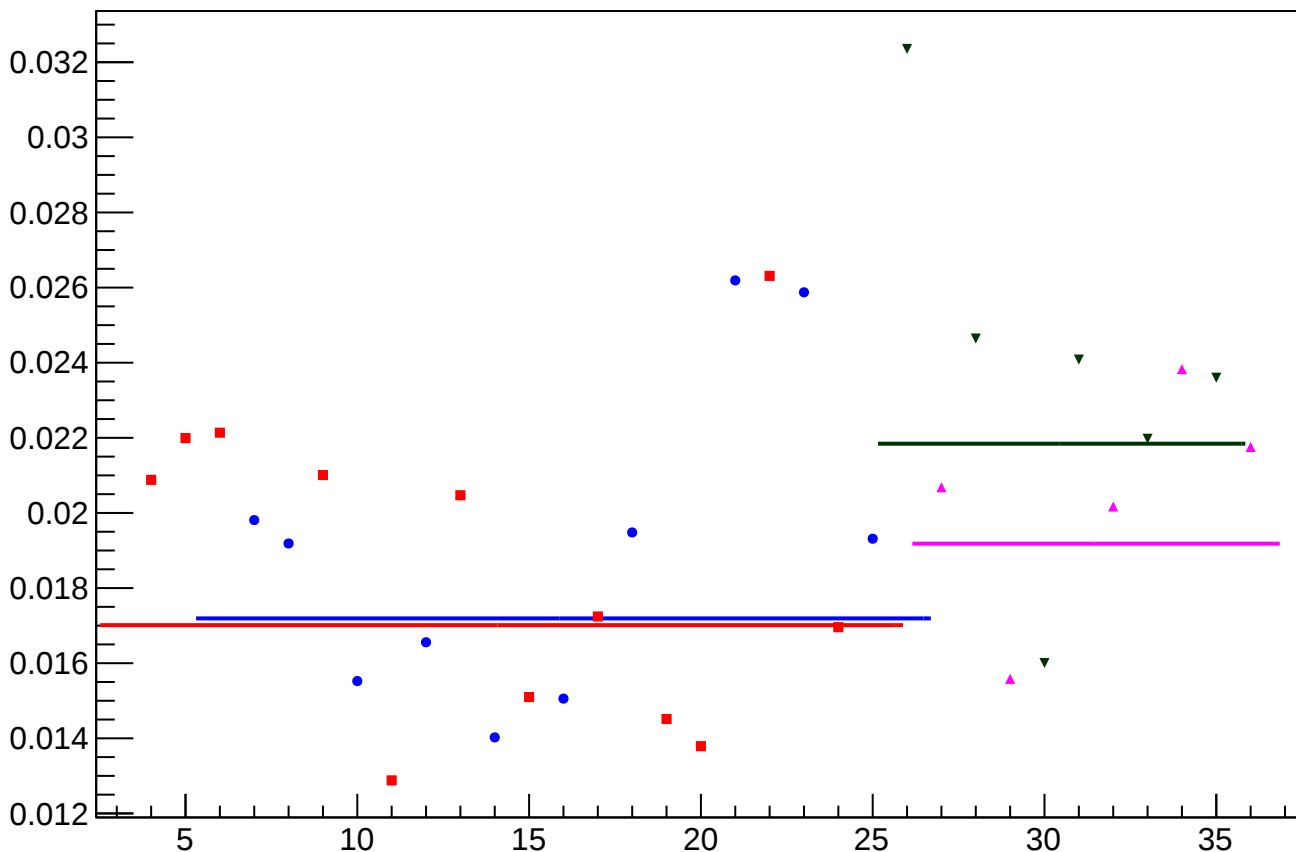
Right Out: -0.016+/-0.000 χ^2/NDF : 2739143286.6/11

Left In: 0.299+/-0.000 χ^2/NDF : 5228010.9/4

0.008+/-0.000 χ^2/NDF : 3562295369.5/15

0.079+/-0.000 χ^2/NDF : 3355839788.7/16

yield_bpm4eX_rms vs slug



Right In: 0.017+/-0.000 χ^2/NDF : 479022.3/9

Left Out: 0.022+/-0.000 χ^2/NDF : 255569.7/5

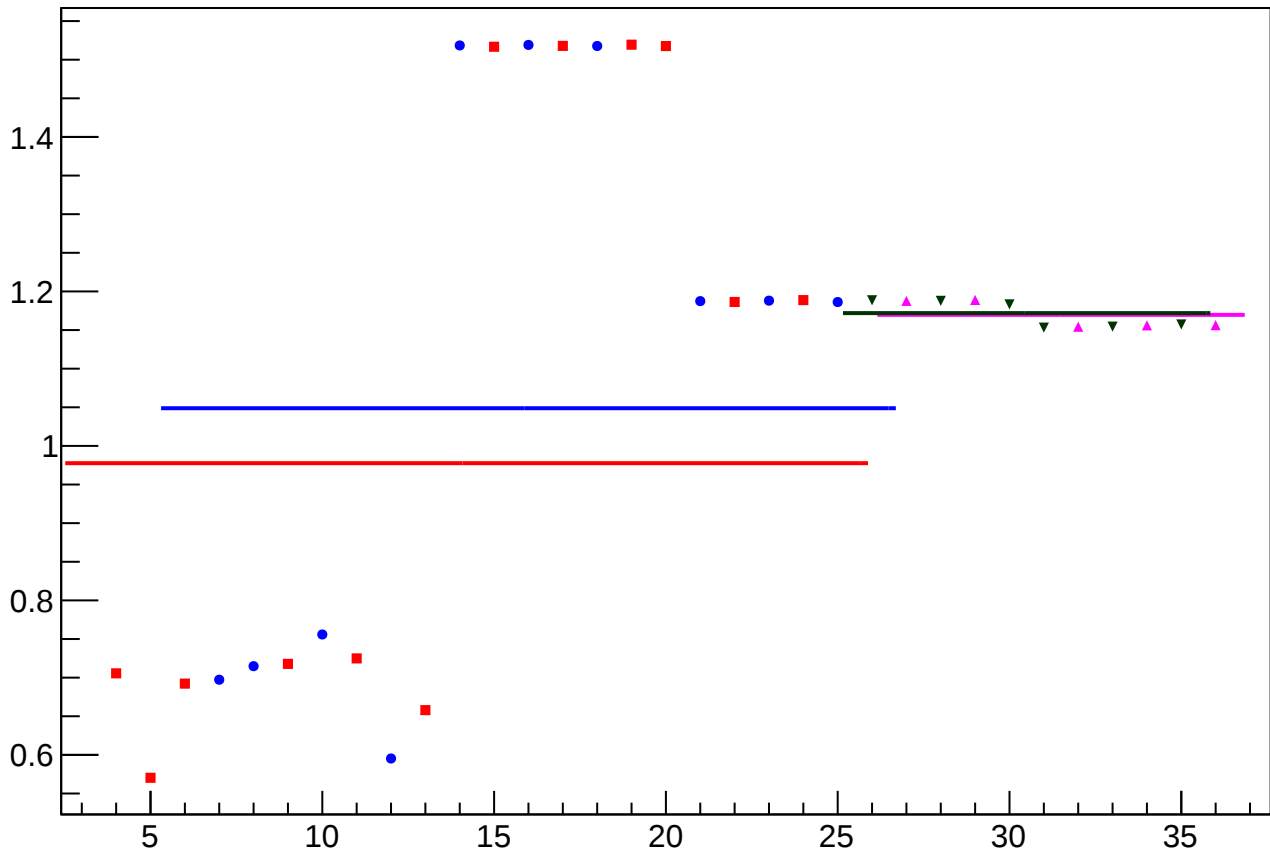
Right Out: 0.017+/-0.000 χ^2/NDF : 541970.9/11

Left In: 0.019+/-0.000 χ^2/NDF : 143812.7/4

0.018+/-0.000 χ^2/NDF : 932757.1/15

0.018+/-0.000 χ^2/NDF : 743641.7/16

yield_bpm4eY_mean vs slug



Right In: 1.049+/-0.000 χ^2/NDF : 10266738028.3/9

Left Out: 1.172+/-0.000 χ^2/NDF :8860748.3/5

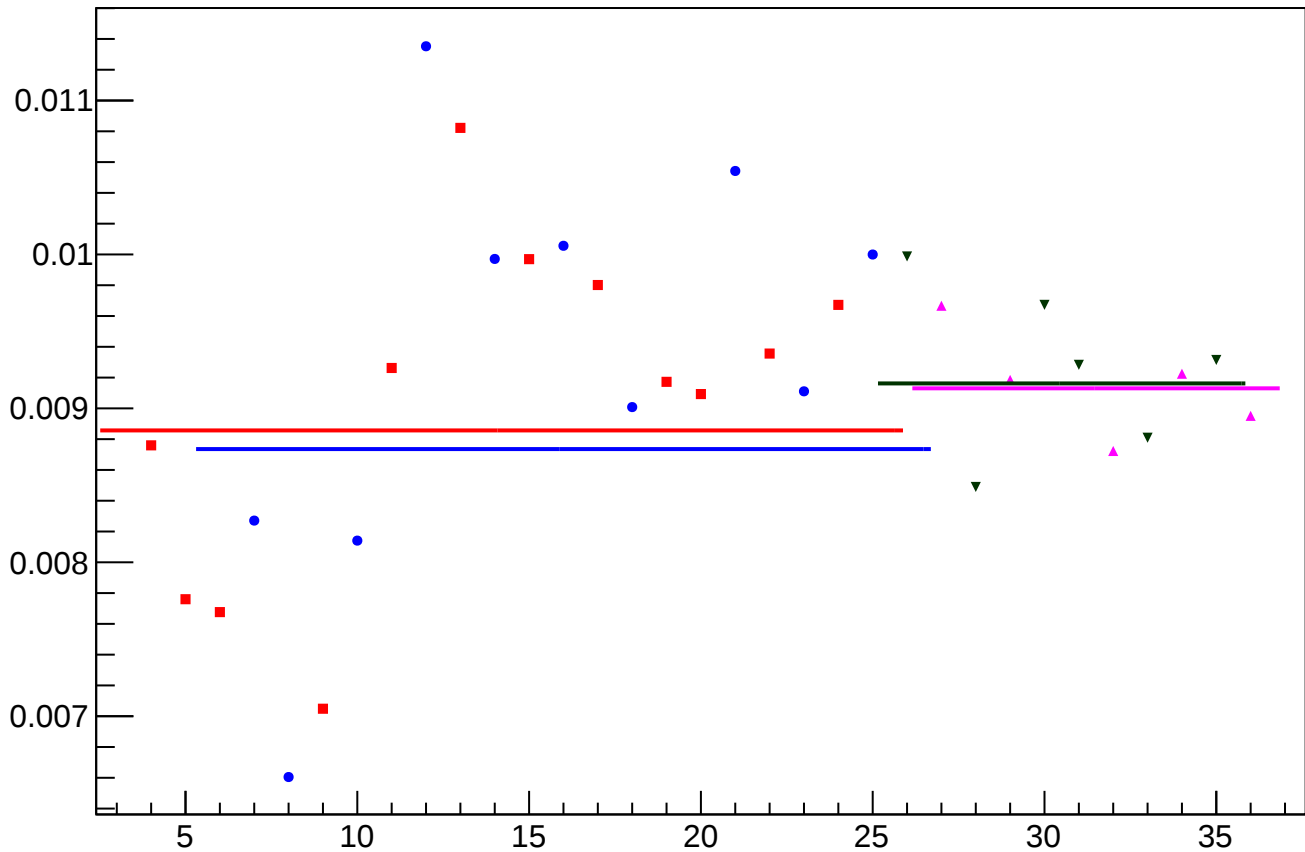
1.087+/-0.000 χ^2/NDF : 10644778129.7/15

Right Out: 0.978+/-0.000 χ^2/NDF : 9897401284.9/11

1.045+/-0.000 χ^2/NDF : 10901754109.8/16

Left In: 1.170+/-0.000 χ^2/NDF :11161706.1/4

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 : 18981.0/5

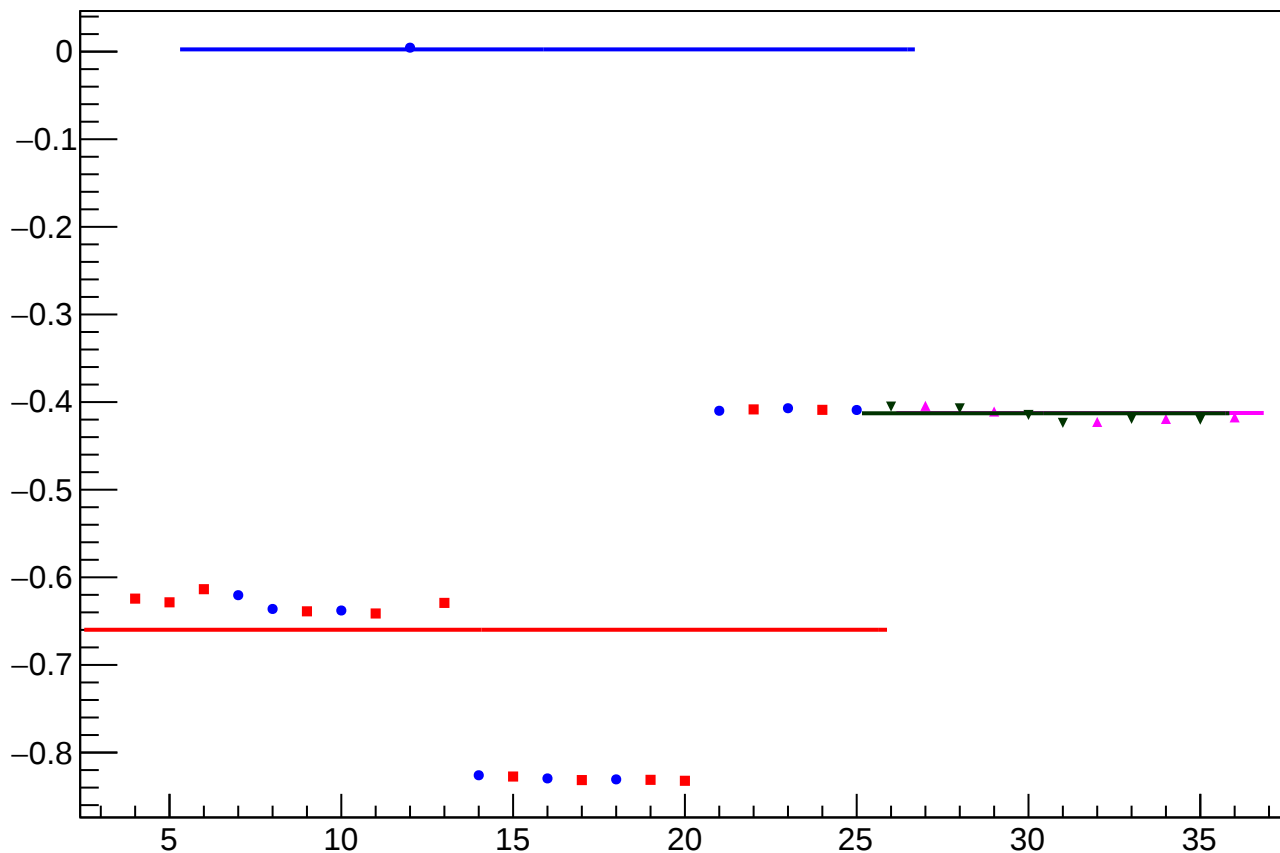
0.009+/-0.000 χ^2/NDF : 387336.4/15

Right Out: 0.009+/-0.000 χ^2/NDF : 223846.5/11

0.009+/-0.000 χ^2/NDF : 237275.4/16

Left In: 0.009+/-0.000 χ^2/NDF : 9399.9/4

yield_bpm4acX_mean vs slug



Right In: 0.003 $\pm$ 0.000 χ^2/NDF : 51925247581.1/9

Left Out: -0.413 $\pm$ 0.000 χ^2/NDF : 1856686.2/5

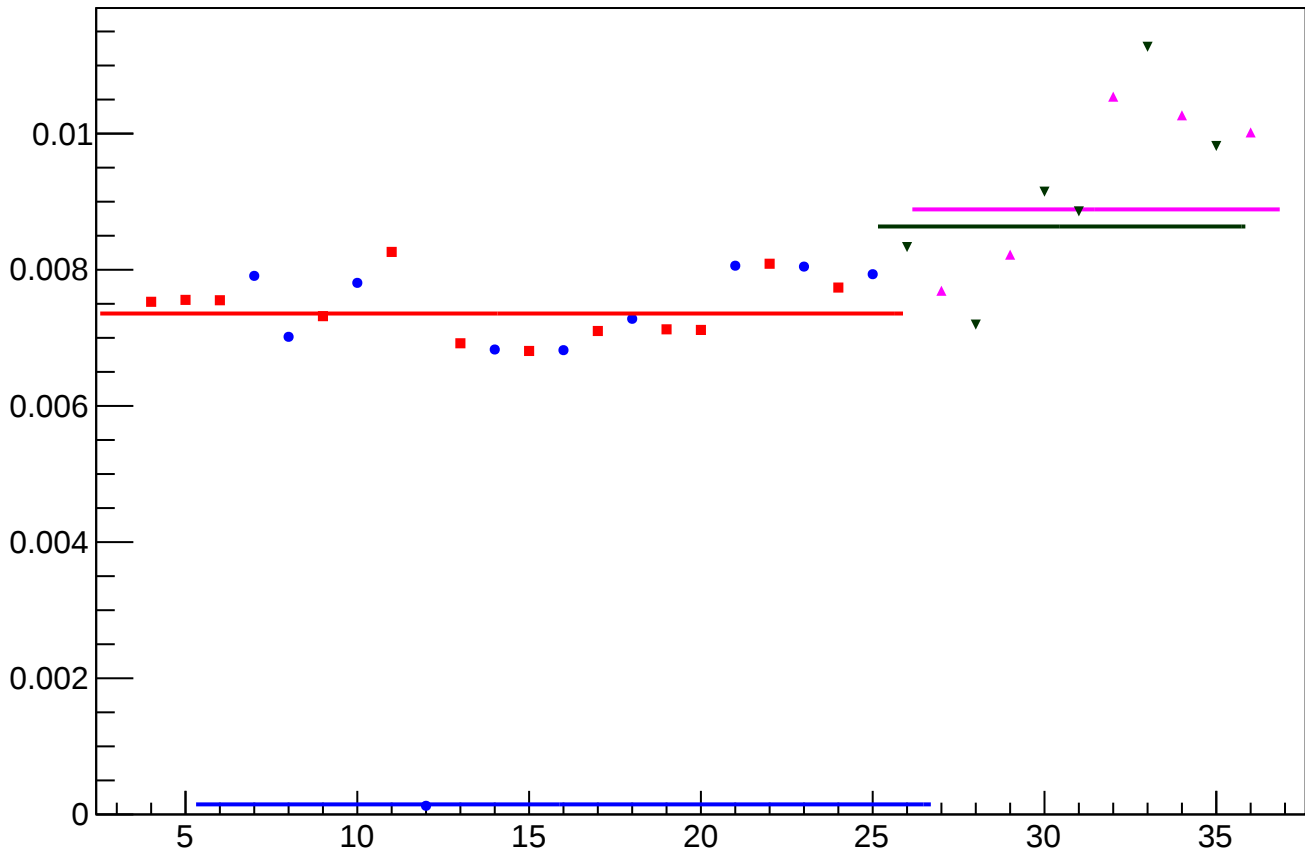
Right Out: -0.660 $\pm$ 0.000 χ^2/NDF : 2254569212.9/11

Left In: -0.412 $\pm$ 0.000 χ^2/NDF : 2149066.4/4

0.002 $\pm$ 0.000 χ^2/NDF : 58878125827.9/15

-0.593 $\pm$ 0.000 χ^2/NDF : 4206707955.9/16

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 :129469.9/5

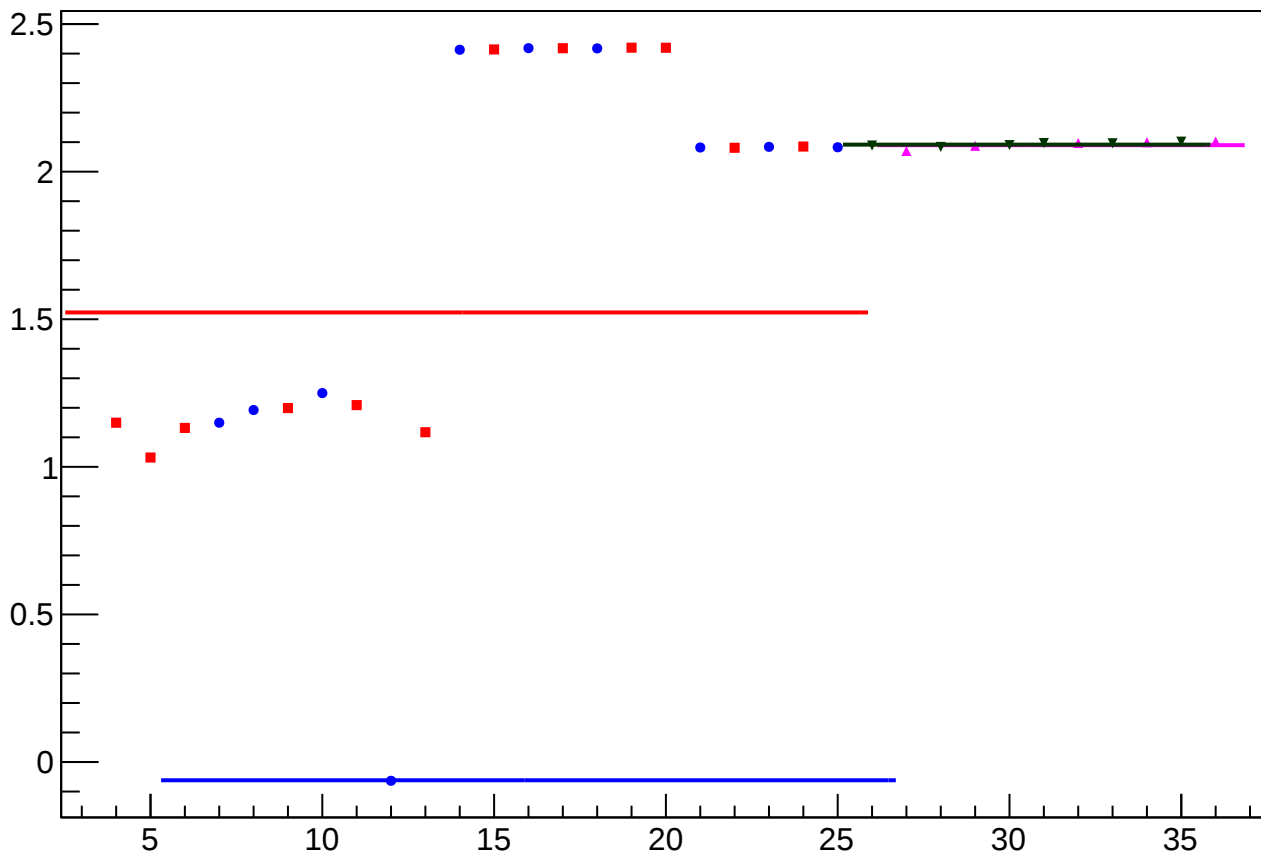
Right Out: 0.007+/-0.000 χ^2/NDF : 46926.6/11

Left In: 0.009+/-0.000 χ^2/NDF :125046.8/4

0.000+/-0.000 χ^2/NDF : 17091718.0/15

0.008+/-0.000 χ^2/NDF : 320970.6/16

yield_bpm4acY_mean vs slug



Right In: -0.062+/-0.000 χ^2/NDF : 126997111883.8/9

Left Out: 2.092+/-0.000 χ^2/NDF : 583957.3/5

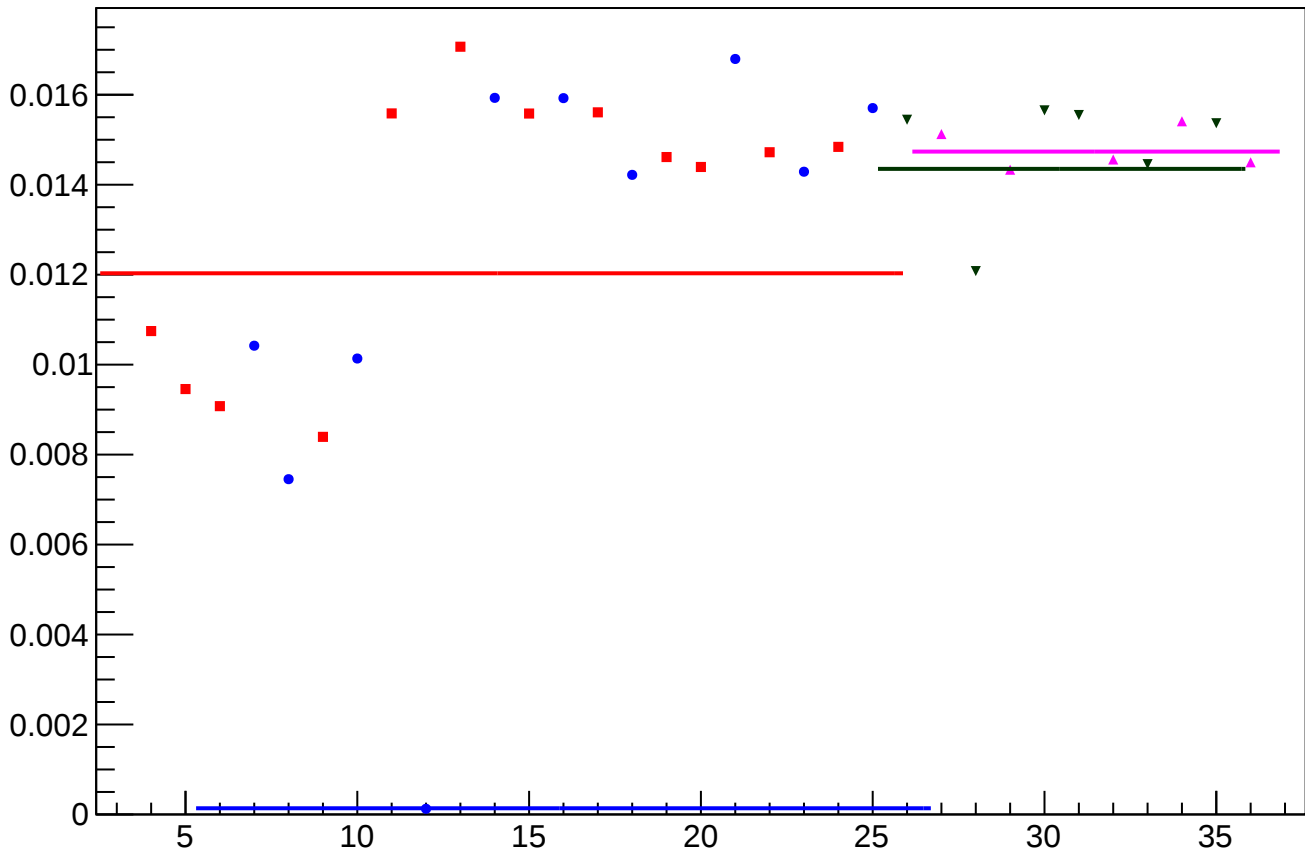
-0.061+/-0.000 χ^2/NDF : 192309977067.3/15

Right Out: 1.523+/-0.000 χ^2/NDF : 11362537231.2/11

1.686+/-0.000 χ^2/NDF : 15019976840.7/16

Left In: 2.090+/-0.000 χ^2/NDF : 2170129.0/4

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 : 62051.9/5

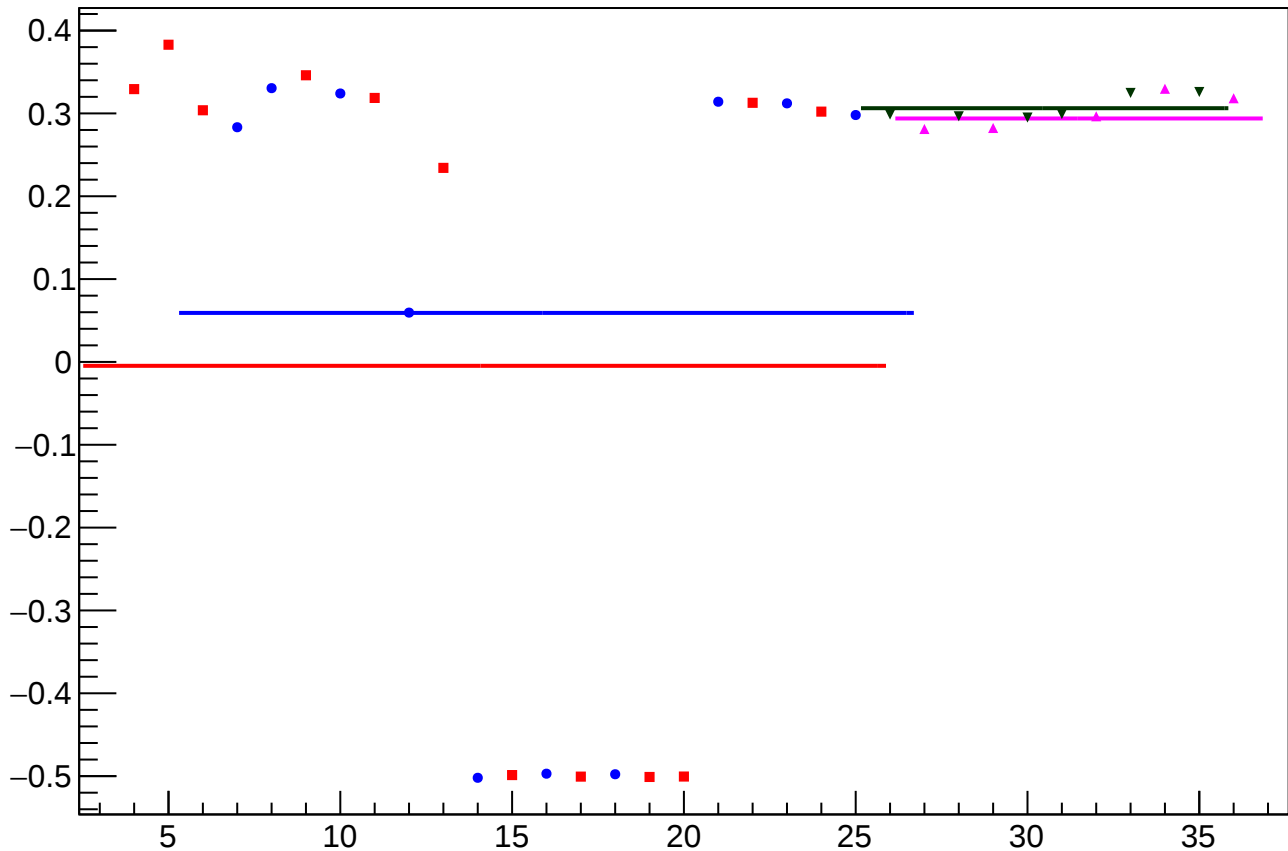
Right Out: 0.012+/-0.000 χ^2/NDF : 858730.1/11

Left In: 0.015+/-0.000 χ^2/NDF : 4752.7/4

0.000+/-0.000 χ^2/NDF : 16648627.6/15

0.013+/-0.000 χ^2/NDF : 1030169.5/16

yield_bpm4ecX_mean vs slug



Right In: 0.059+/-0.000 χ^2/NDF : 3541111693.7/9

Left Out: 0.306+/-0.000 χ^2/NDF :1064283.8/5

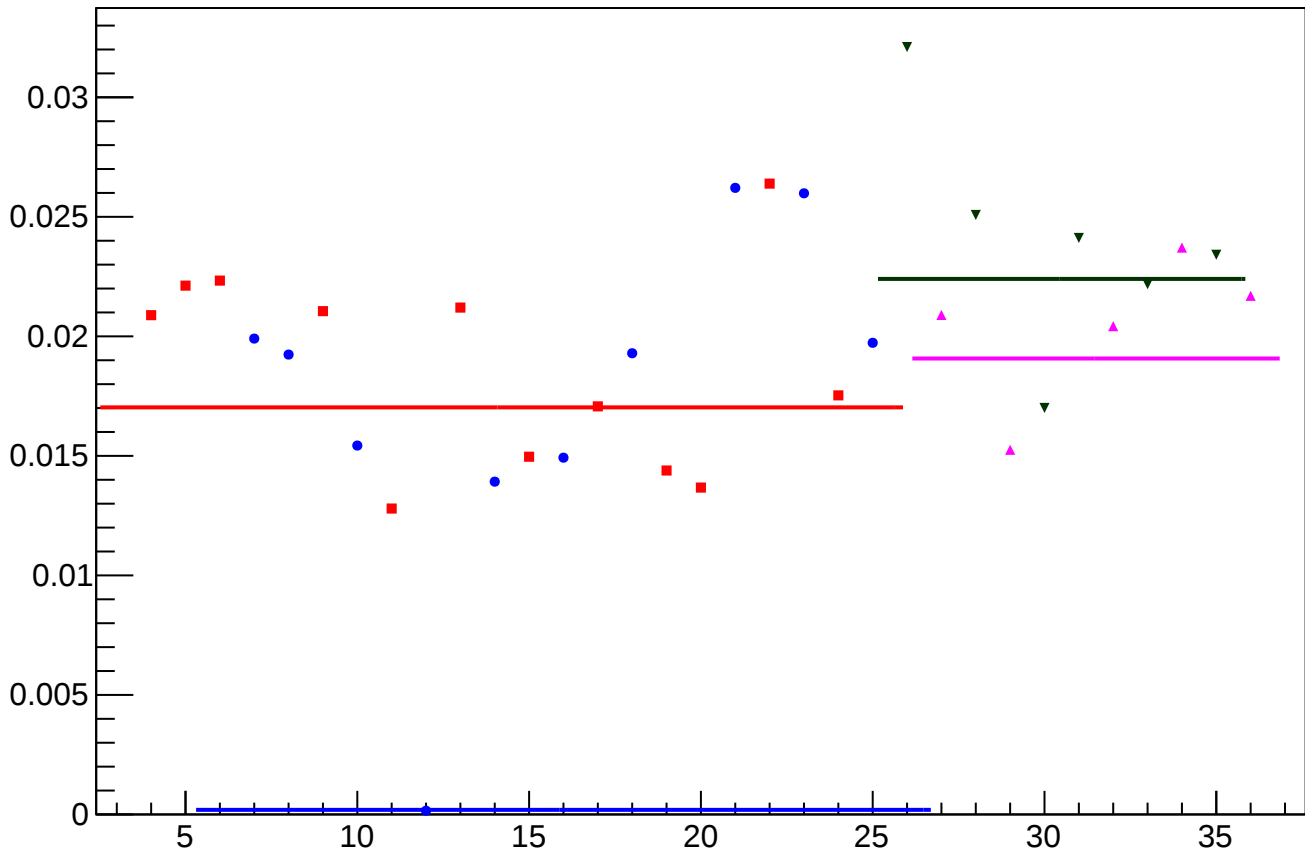
0.059+/-0.000 χ^2/NDF : 3890095548.9/15

Right Out: -0.005+/-0.000 χ^2/NDF : 3140963258.0/11

0.087+/-0.000 χ^2/NDF : 3696269352.6/16

Left In: 0.294+/-0.000 χ^2/NDF :2461164.6/4

yield_bpm4ecX_rms vs slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 10989835.4/9

Left Out: 0.022 $\pm$ 0.000 χ^2 /NDF:203309.6/5

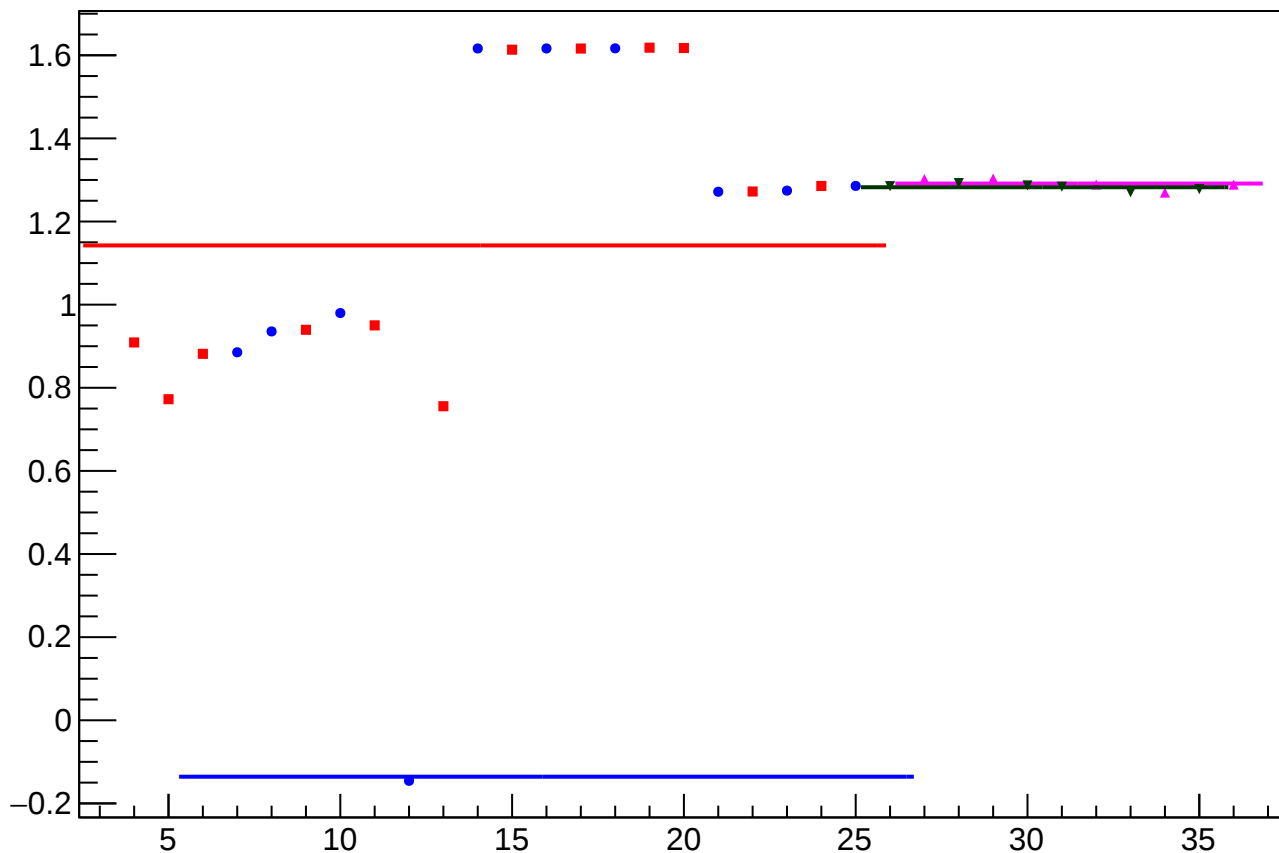
Right Out: 0.017 $\pm$ 0.000 χ^2 /NDF: 584593.5/11

Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:166832.0/4

0.000 $\pm$ 0.000 χ^2 /NDF: 16814119.4/15

0.018 $\pm$ 0.000 χ^2 /NDF: 803213.7/16

yield_bpm4ecY_mean vs slug



Right In: -0.136+/-0.000 χ^2/NDF : 131146167218.9/9

Left Out: 1.282+/-0.000 χ^2/NDF :1498962.4/5

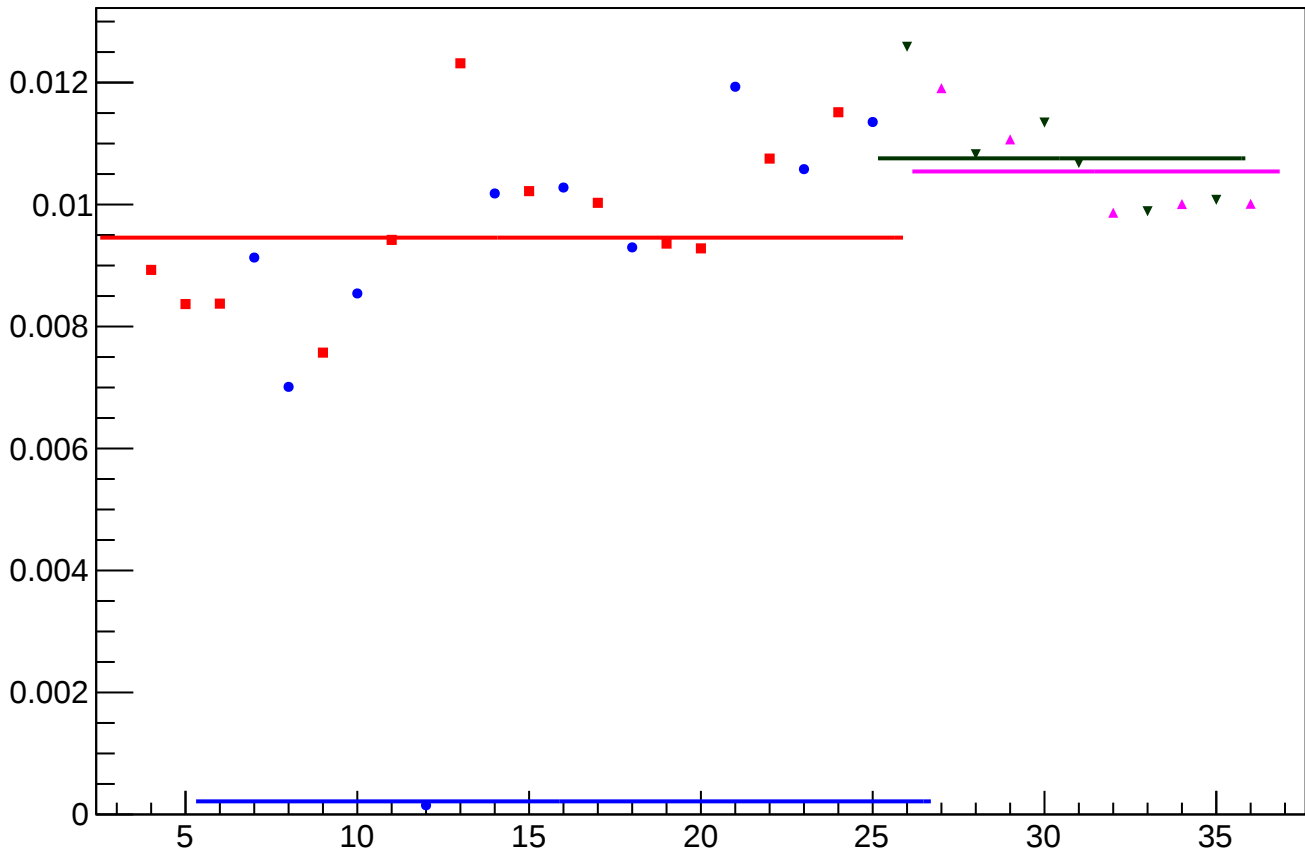
Right Out: 1.142+/-0.000 χ^2/NDF : 7015082012.3/11

Left In: 1.291+/-0.000 χ^2/NDF :4024884.1/4

-0.132+/-0.000 χ^2/NDF : 182575494196.1/15

1.189+/-0.000 χ^2/NDF : 7489161743.7/16

yield_bpm4ecY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 10811399.3/9

Left Out: 0.011+/-0.000 χ^2/NDF : 34672.0/5

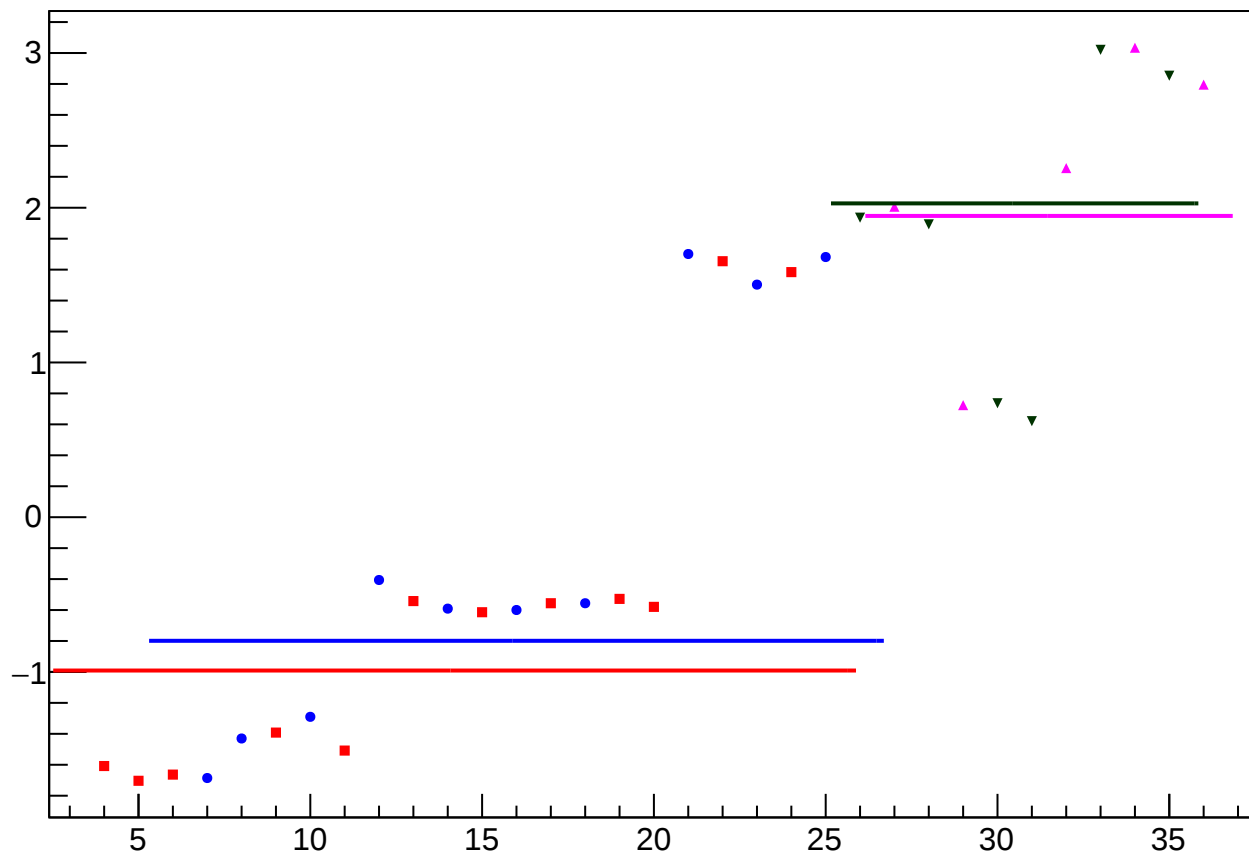
0.000+/-0.000 χ^2/NDF : 16530057.6/15

Right Out: 0.009+/-0.000 χ^2/NDF : 269492.1/11

0.010+/-0.000 χ^2/NDF : 358392.3/16

Left In: 0.011+/-0.000 χ^2/NDF : 38968.2/4

yield_bpm1X_mean vs slug



Right In: -0.799 ± 0.000 $\chi^2/\text{NDF}: 2108272061.1/9$

Left Out: 2.028 ± 0.000 $\chi^2/\text{NDF}: 86867962.4/5$

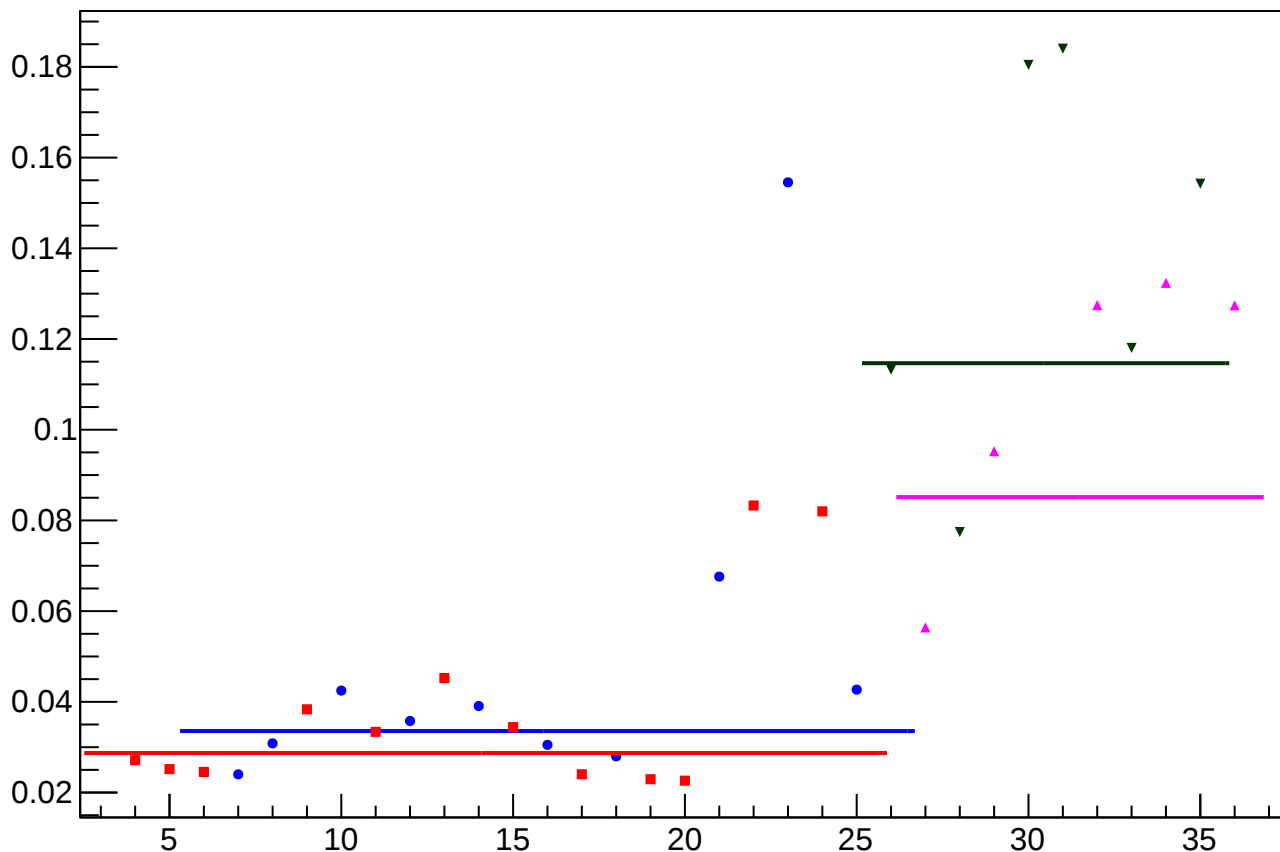
Right Out: -0.991 ± 0.000 $\chi^2/\text{NDF}: 2016562689.3/11$

Left In: 1.947 ± 0.000 $\chi^2/\text{NDF}: 140708785.9/4$

-0.681 ± 0.000 $\chi^2/\text{NDF}: 3483972835.3/15$

-0.827 ± 0.000 $\chi^2/\text{NDF}: 4744475213.9/16$

yield_bpm1X_rms vs slug



Right In: 0.034+/-0.000 χ^2/NDF : 1033776.5/9

Left Out: 0.115+/-0.000 χ^2/NDF : 466513.0/5

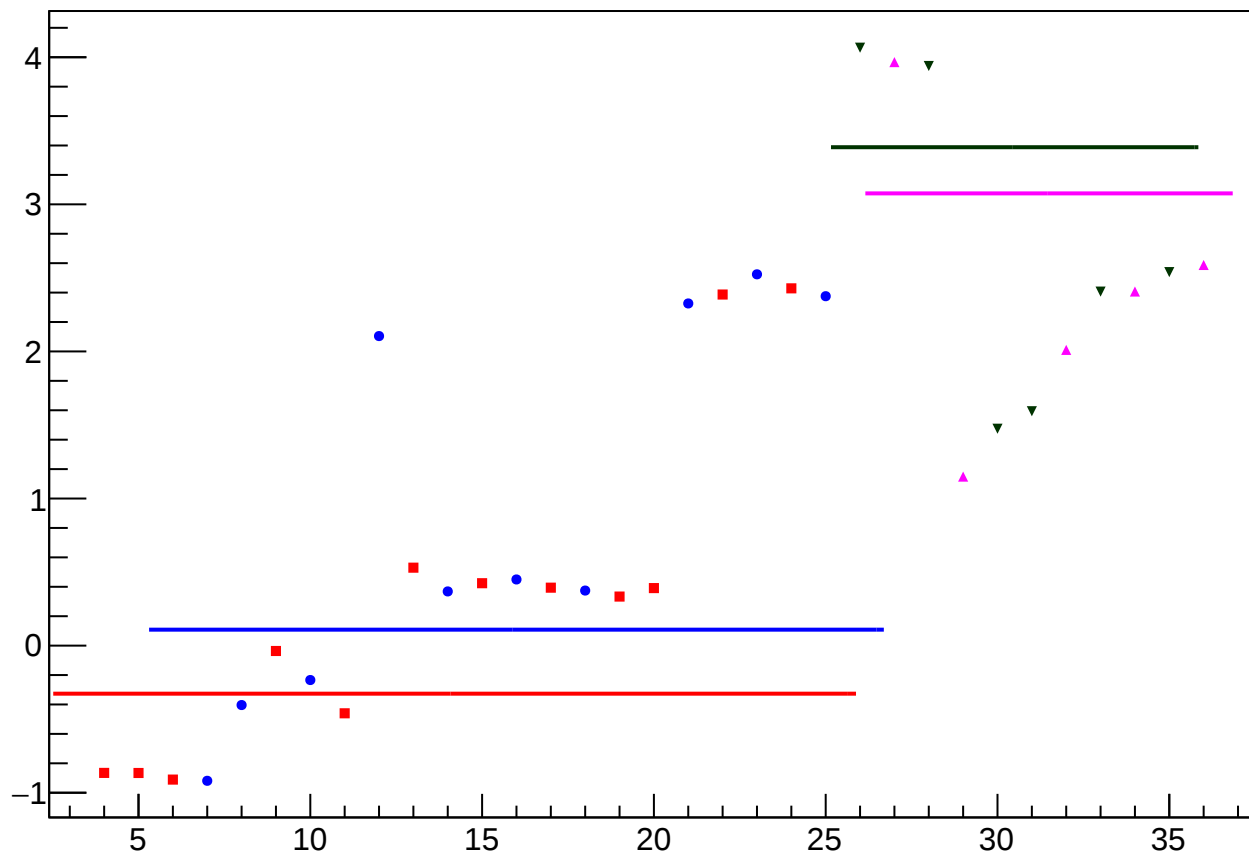
Right Out: 0.029+/-0.000 χ^2/NDF : 965052.5/11

Left In: 0.085+/-0.000 χ^2/NDF : 643898.9/4

0.037+/-0.000 χ^2/NDF : 3622253.5/15

0.032+/-0.000 χ^2/NDF : 3517364.8/16

yield_bpm1Y_mean vs slug



Right In: 0.109+/-0.000 χ^2/NDF : 8111501728.9/9

Left Out: 3.388+/-0.000 χ^2/NDF : 293391142.3/5

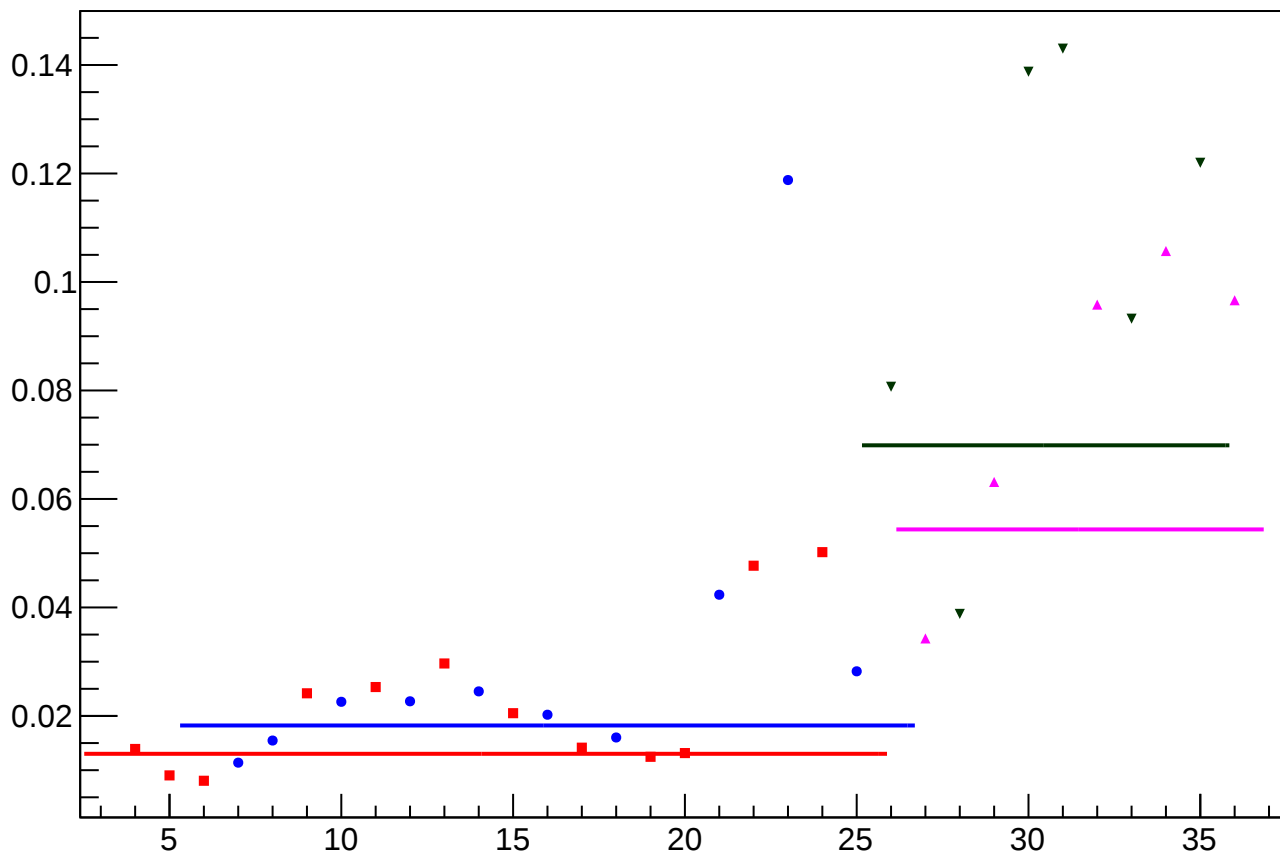
Right Out: -0.327+/-0.000 χ^2/NDF : 9287320551.8/11

Left In: 3.074+/-0.000 χ^2/NDF : 865075632.4/4

0.215+/-0.000 χ^2/NDF : 12253072573.3/15

-0.220+/-0.000 χ^2/NDF : 17672087650.0/16

yield_bpm1Y_rms vs slug



Right In: 0.018+/-0.000 χ^2/NDF : 1320521.5/9

Left Out: 0.070+/-0.000 χ^2/NDF : 1015443.8/5

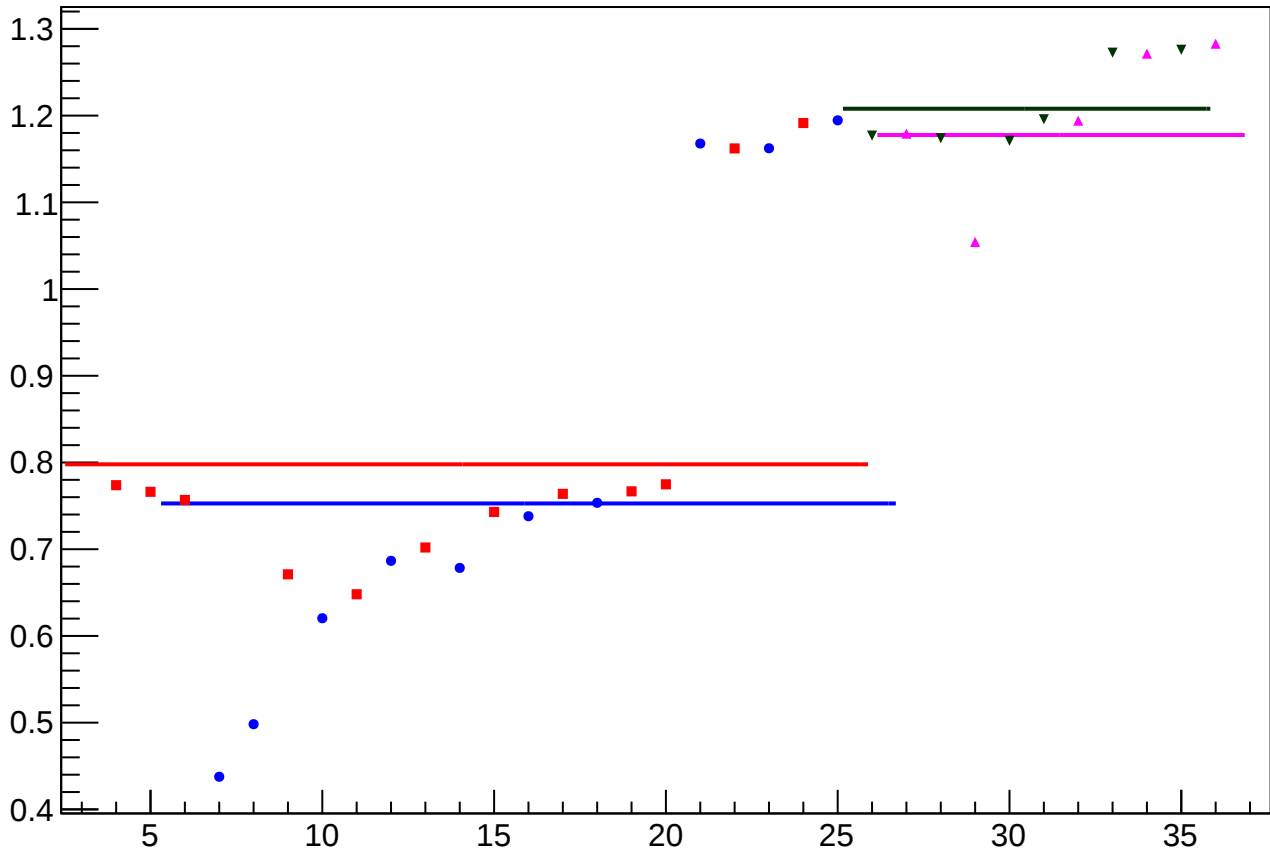
Right Out: 0.013+/-0.000 χ^2/NDF : 1857519.6/11

Left In: 0.054+/-0.000 χ^2/NDF : 957091.5/4

0.020+/-0.000 χ^2/NDF : 4244570.2/15

0.014+/-0.000 χ^2/NDF : 5039312.1/16

yield_bpm11X_mean vs slug



Right In: 0.753 ± 0.000 χ^2/NDF : 845583832.8/9

Left Out: 1.208 ± 0.000 χ^2/NDF : 11916855.0/5

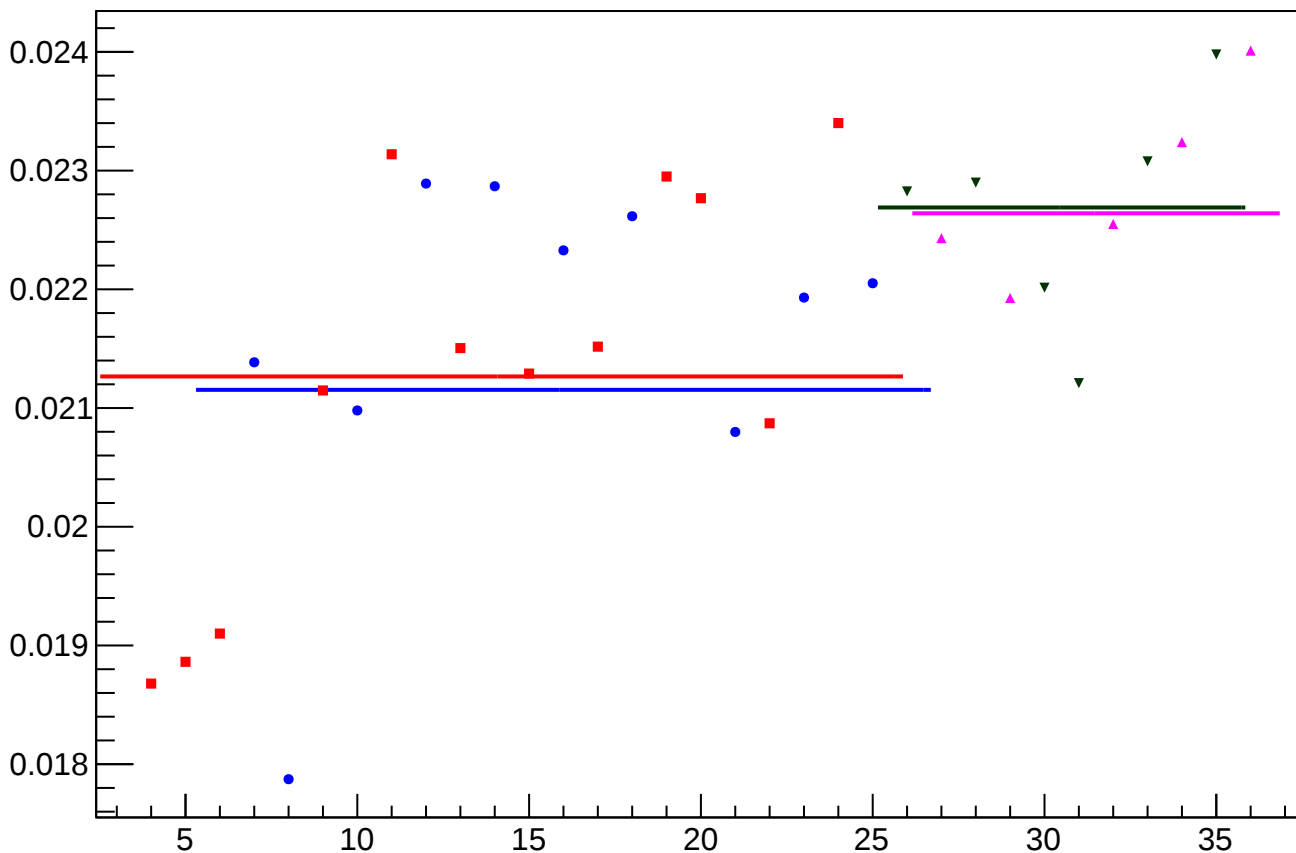
0.888 ± 0.000 χ^2/NDF : 1712885928.9/15

Right Out: 0.798 ± 0.000 χ^2/NDF : 394047843.5/11

0.924 ± 0.000 χ^2/NDF : 1090402697.2/16

Left In: 1.178 ± 0.000 χ^2/NDF : 42770400.0/4

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 : 7873.4/5

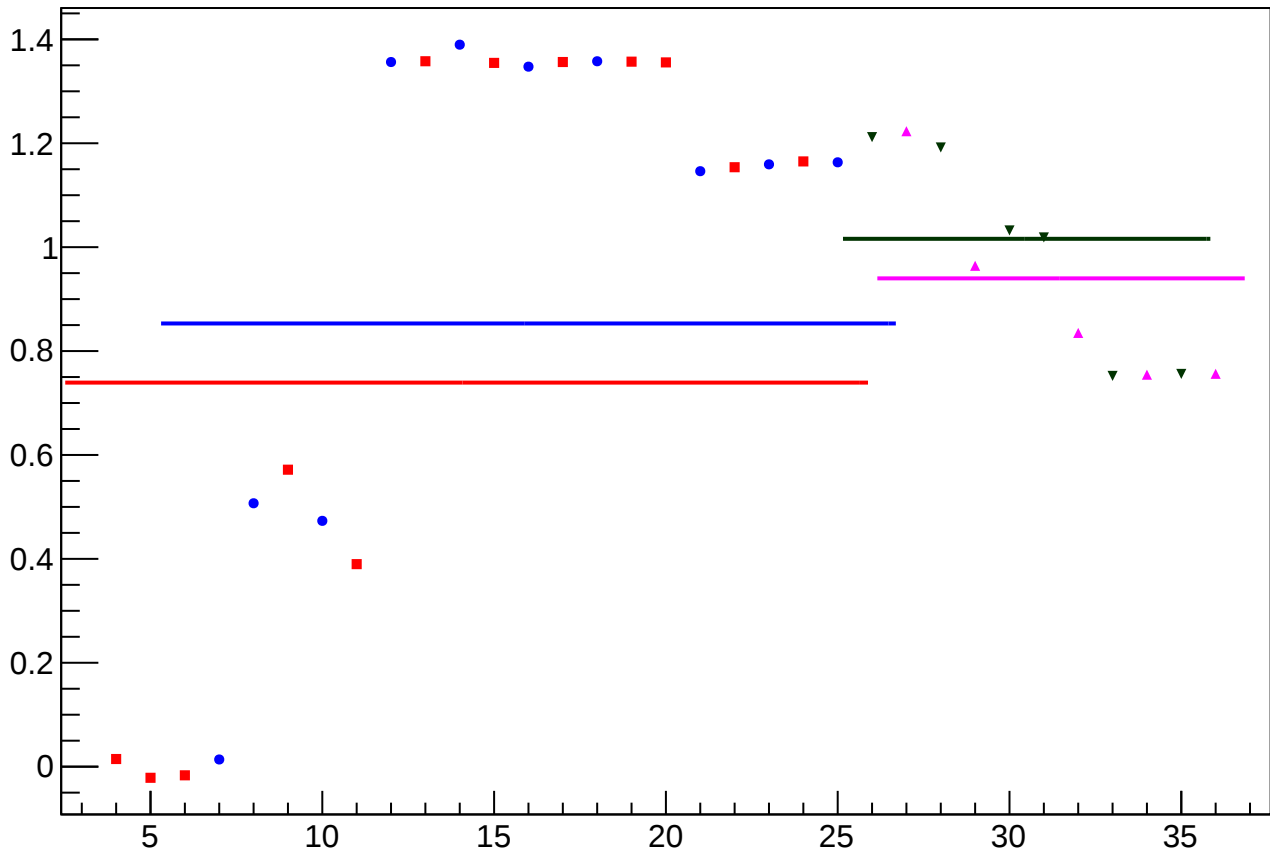
0.022+/-0.000 χ^2/NDF : 116737.9/15

Right Out: 0.021+/-0.000 χ^2/NDF : 58605.8/11

0.022+/-0.000 χ^2/NDF : 81337.0/16

Left In: 0.023+/-0.000 χ^2/NDF : 5614.3/4

yield_bpm11Y_mean vs slug



Right In: 0.853+/-0.000 χ^2/NDF : 104764240658.7/9

Left Out: 1.016+/-0.000 χ^2/NDF : 6855064111.8/5

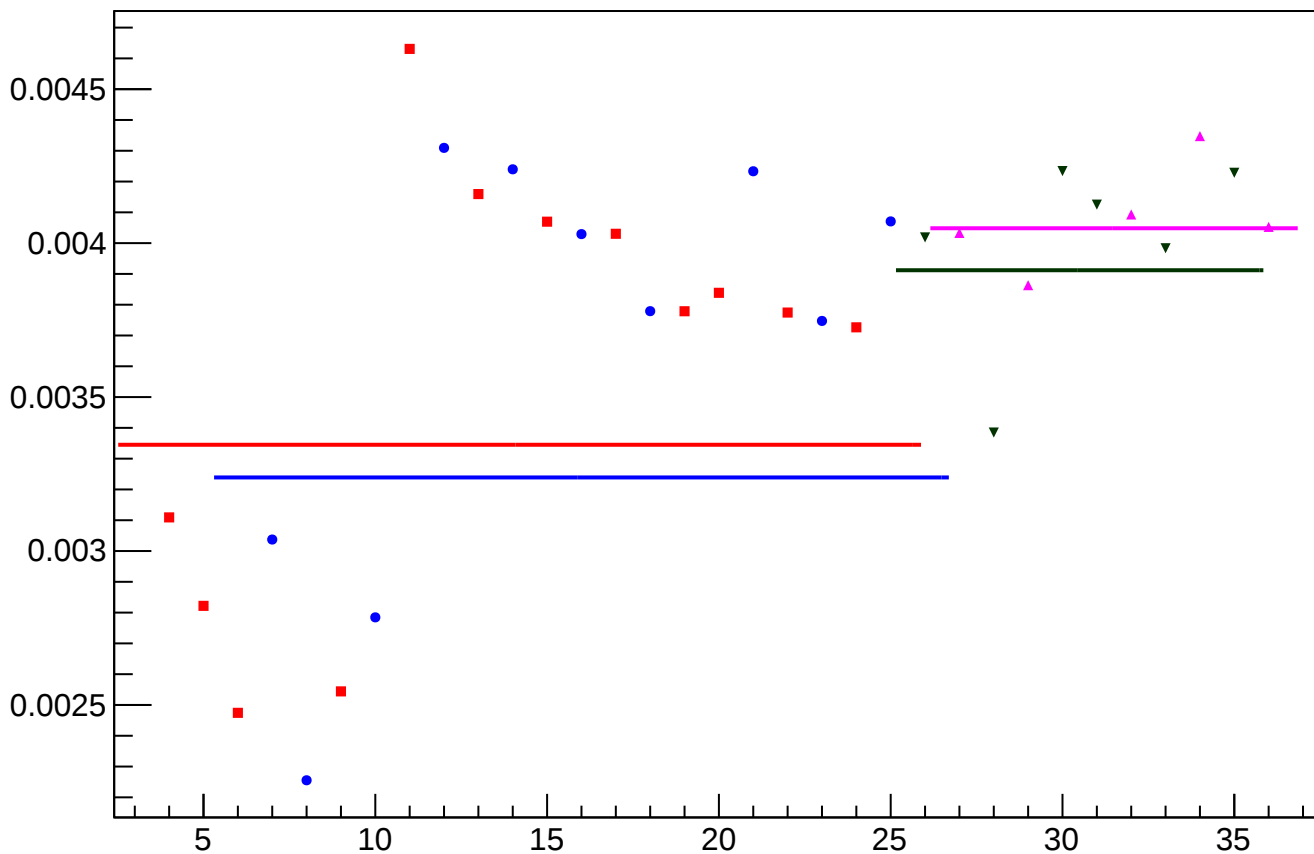
0.895+/-0.000 χ^2/NDF : 115380967511.1/15

Right Out: 0.739+/-0.000 χ^2/NDF : 163147236052.0/11

0.797+/-0.000 χ^2/NDF : 175880062120.1/16

Left In: 0.940+/-0.000 χ^2/NDF : 6658793764.3/4

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 :43854.9/5

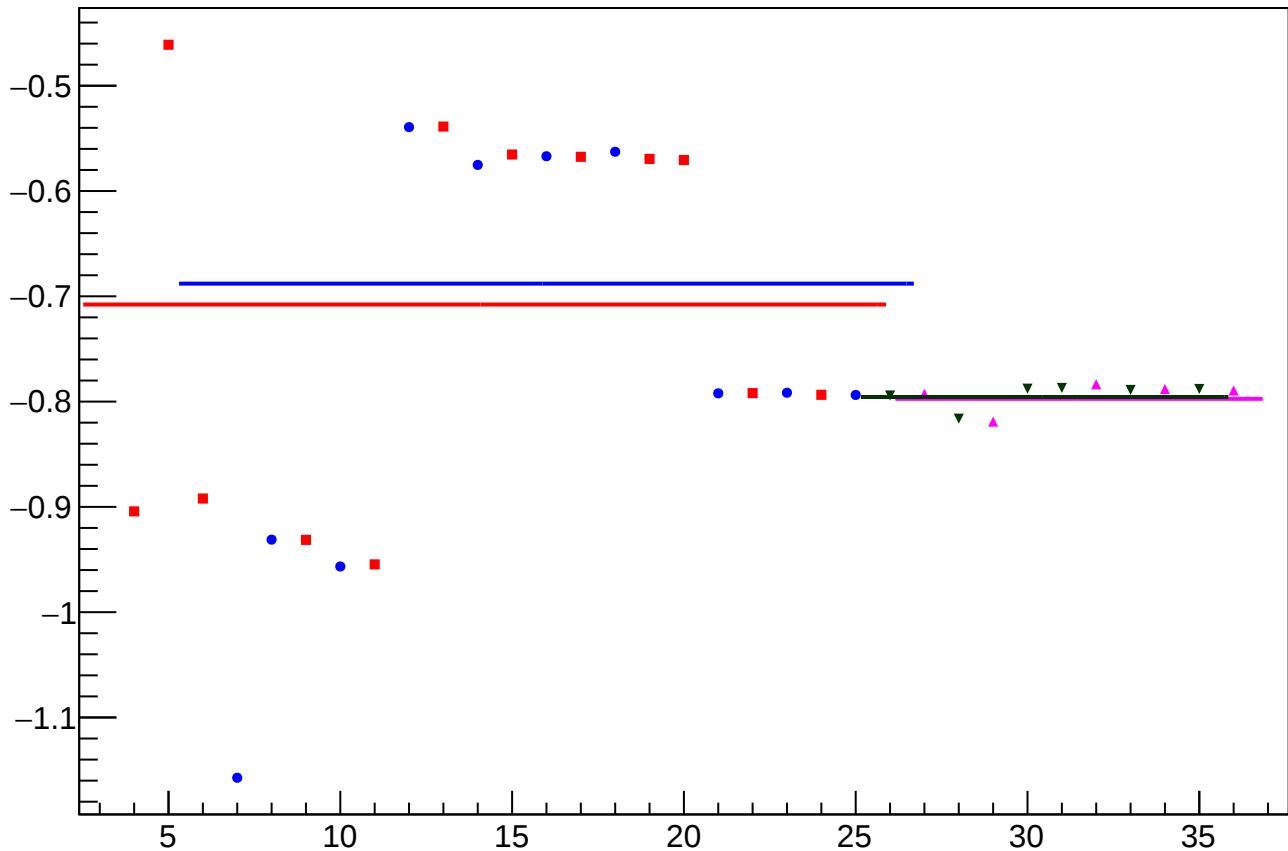
Right Out: 0.003+/-0.000 χ^2/NDF : 574504.0/11

Left In: 0.004+/-0.000 χ^2/NDF :8491.4/4

0.003+/-0.000 χ^2/NDF : 917875.5/15

0.004+/-0.000 χ^2/NDF : 732248.7/16

yield_bpm12X_mean vs slug



Right In: -0.688+/-0.000 χ^2/NDF : 1835449316.2/9

Left Out: -0.796+/-0.000 χ^2/NDF : 6079671.1/5

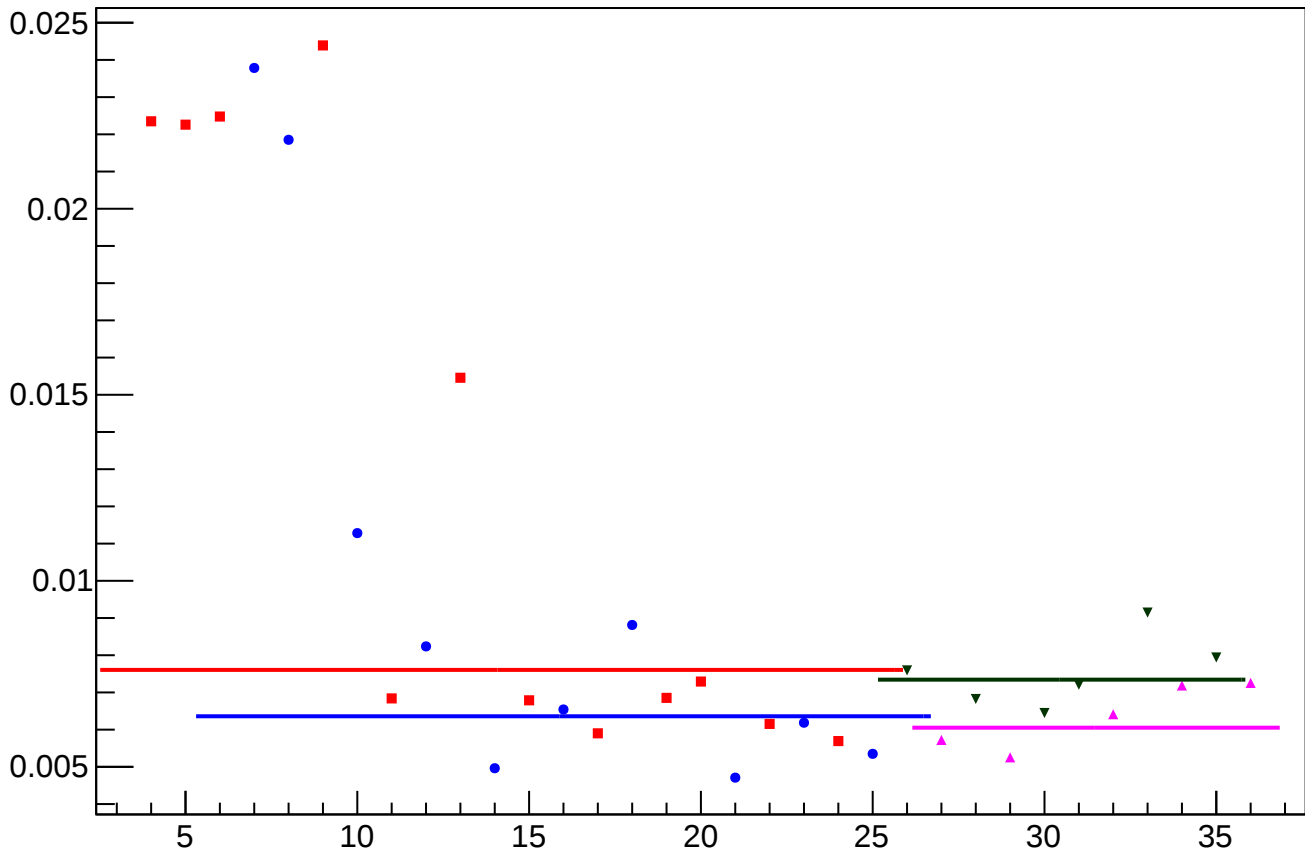
-0.720+/-0.000 χ^2/NDF : 2201432590.8/15

Right Out: -0.708+/-0.000 χ^2/NDF : 1719681121.8/11

-0.752+/-0.000 χ^2/NDF : 2020946140.2/16

Left In: -0.797+/-0.000 χ^2/NDF : 14106018.8/4

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 : 59655.1/5

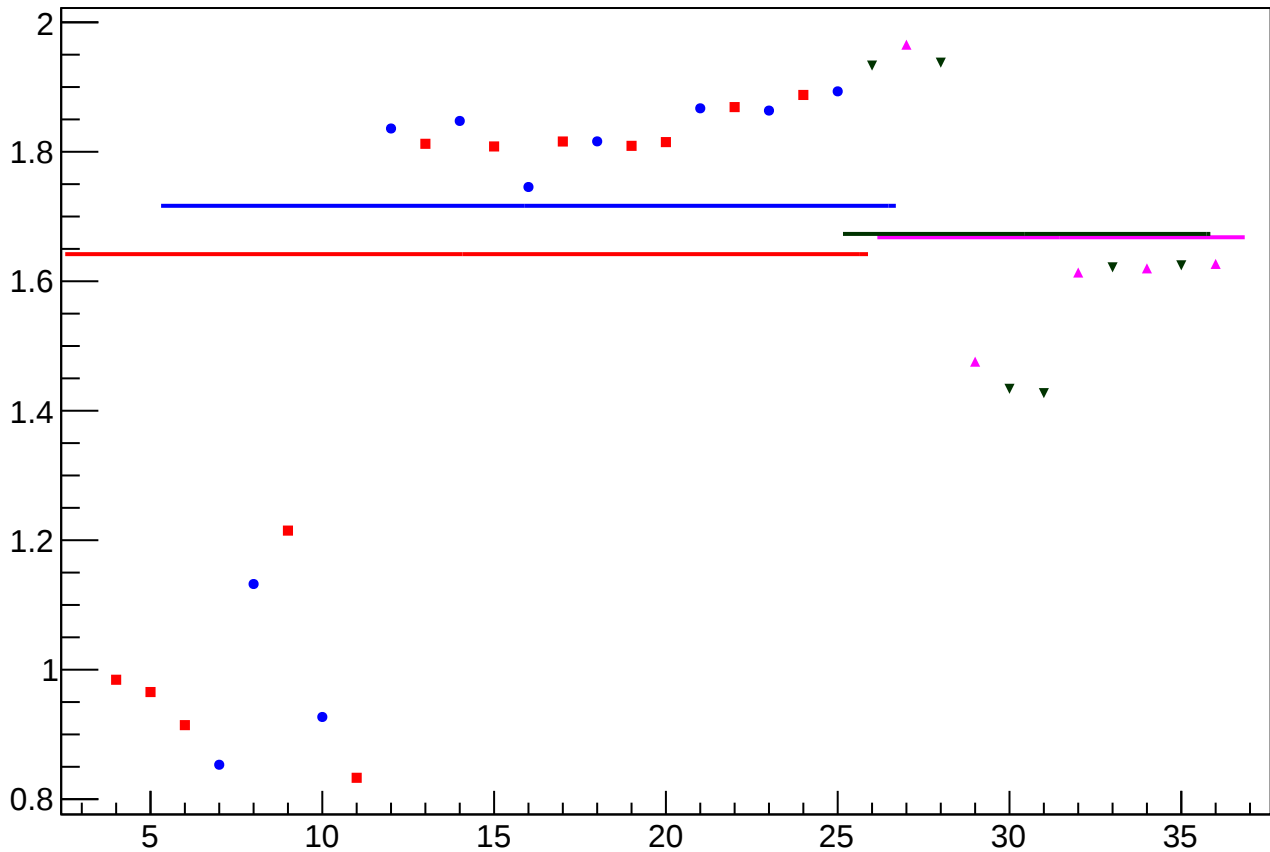
0.007+/-0.000 χ^2/NDF : 1952954.1/15

Right Out: 0.008+/-0.000 χ^2/NDF : 2293990.6/11

0.007+/-0.000 χ^2/NDF : 2539874.2/16

Left In: 0.006+/-0.000 χ^2/NDF : 73179.6/4

yield_bpm12Y_mean vs slug



Right In: 1.717 $\pm$ 0.000 χ^2 /NDF: 10938016030.0/9

Left Out: 1.673 $\pm$ 0.000 χ^2 /NDF: 2807491579.3/5

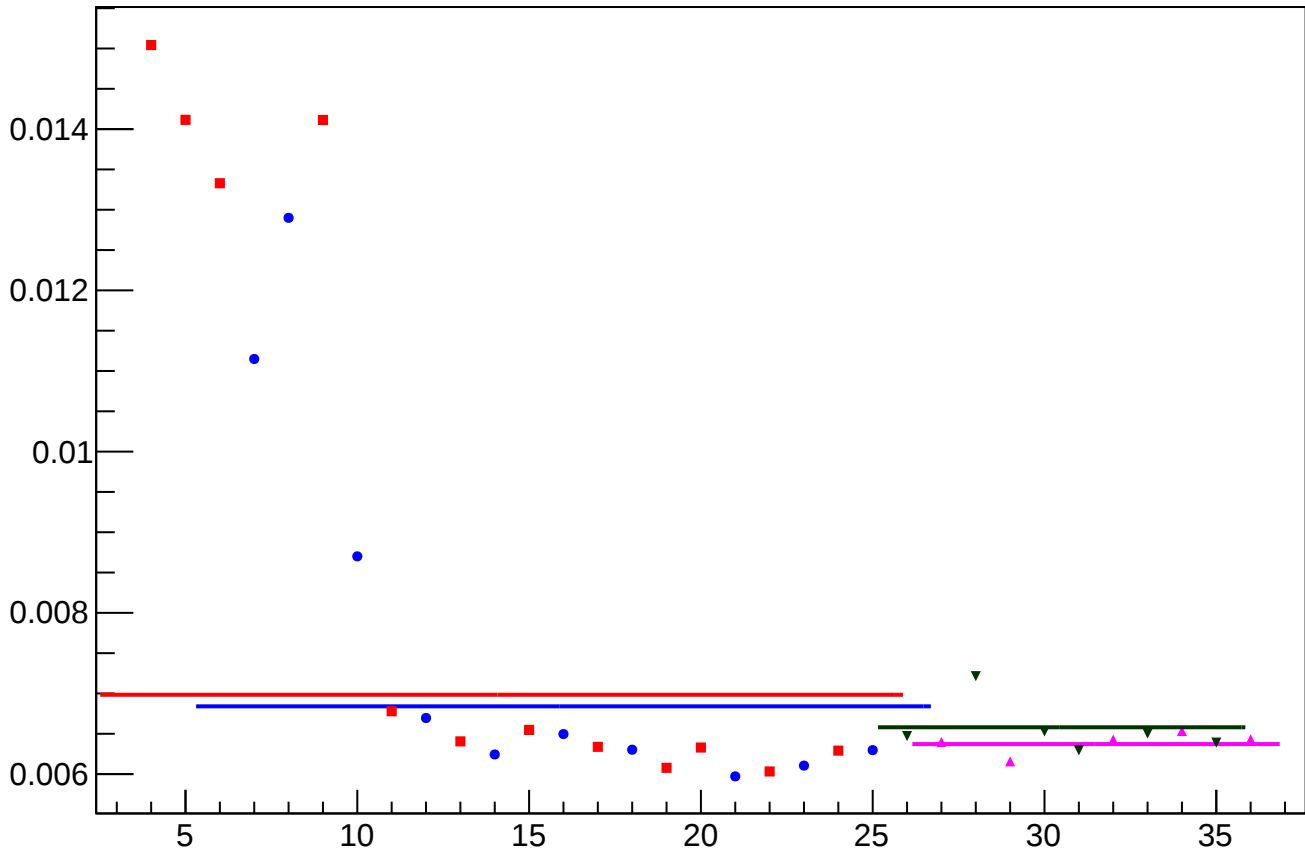
1.701 $\pm$ 0.000 χ^2 /NDF: 13826012659.4/15

Right Out: 1.642 $\pm$ 0.000 χ^2 /NDF: 15751478429.4/11

1.653 $\pm$ 0.000 χ^2 /NDF: 18305456959.0/16

Left In: 1.668 $\pm$ 0.000 χ^2 /NDF: 2522207255.7/4

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 :12312.1/5

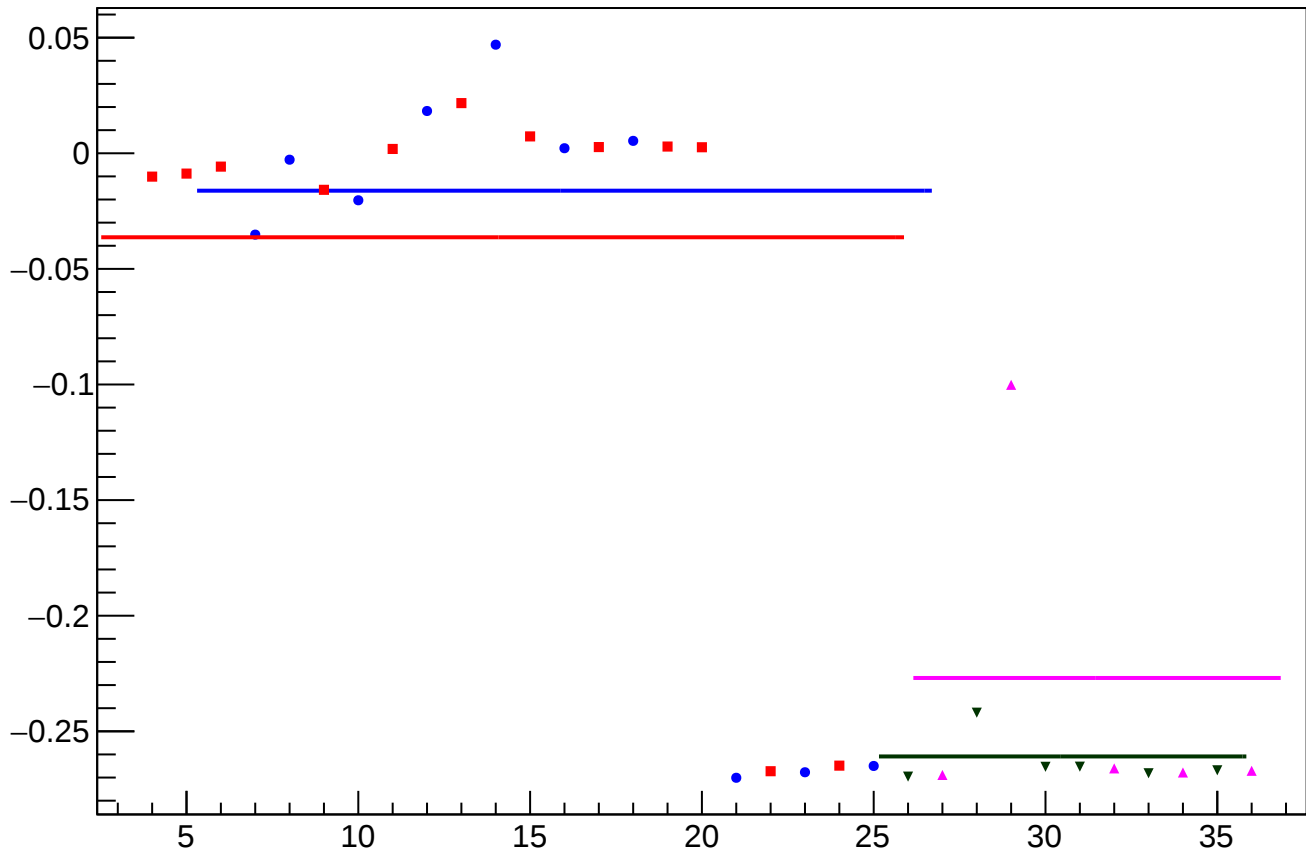
Right Out: 0.007+/-0.000 χ^2/NDF : 973579.9/11

Left In: 0.006+/-0.000 χ^2/NDF :2572.8/4

0.007+/-0.000 χ^2/NDF : 619035.6/15

0.007+/-0.000 χ^2/NDF : 1011078.4/16

yield_bpm16X_mean vs slug



Right In: -0.016+/-0.000 χ^2/NDF : 1451636458.8/9

Left Out: -0.261+/-0.000 χ^2/NDF : 6661462.5/5

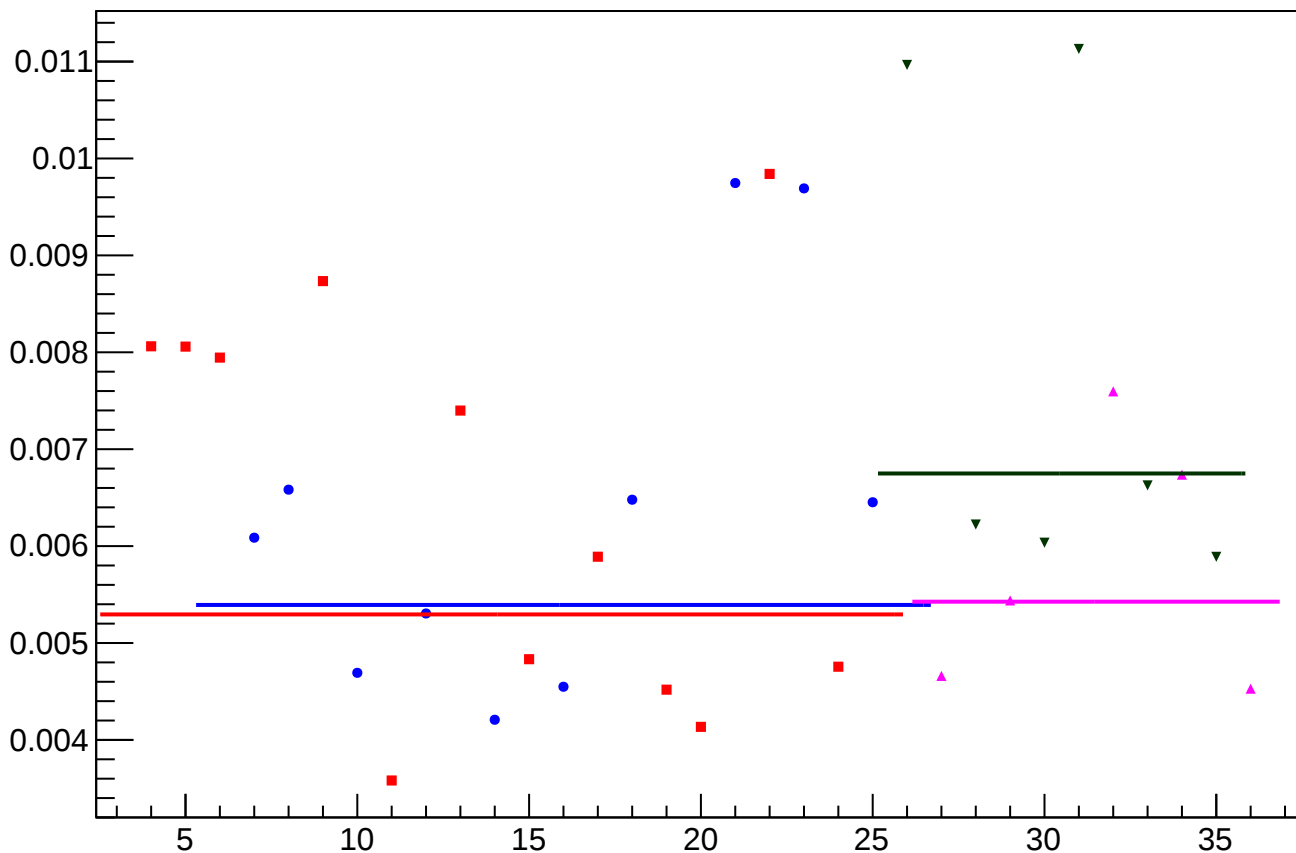
-0.073+/-0.000 χ^2/NDF : 4105973613.8/15

Right Out: -0.036+/-0.000 χ^2/NDF : 1742147509.6/11

-0.103+/-0.000 χ^2/NDF : 4704943667.0/16

Left In: -0.227+/-0.000 χ^2/NDF : 531290235.7/4

yield_bpm16X_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 809148.4/9

Left Out: 0.007+/-0.000 χ^2/NDF : 292829.2/5

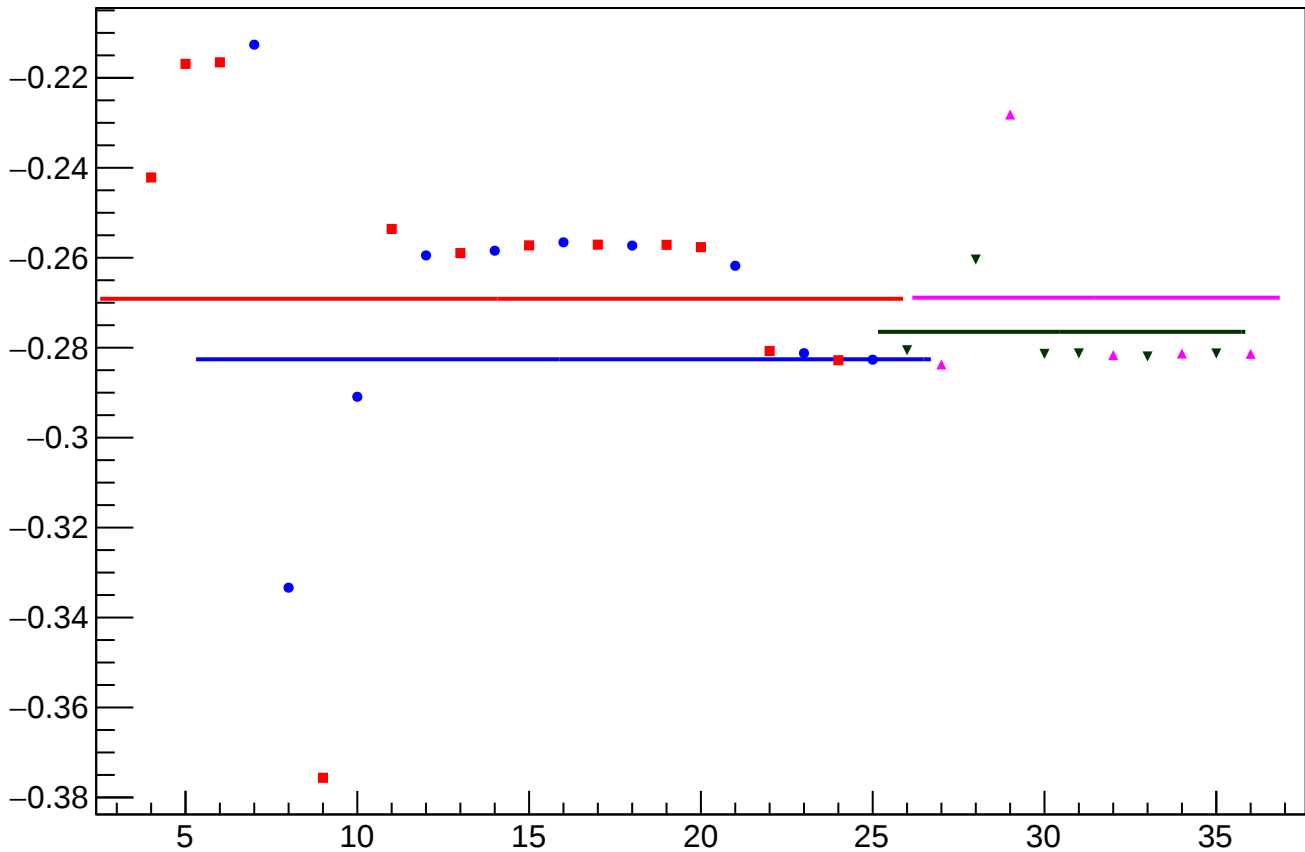
Right Out: 0.005+/-0.000 χ^2/NDF : 1206788.4/11

Left In: 0.005+/-0.000 χ^2/NDF : 235934.6/4

0.006+/-0.000 χ^2/NDF : 1264744.3/15

0.005+/-0.000 χ^2/NDF : 1445032.6/16

yield_bpm16Y_mean vs slug



Right In: -0.283+/-0.000 χ^2/NDF : 1067042959.0/9

Left Out: -0.276+/-0.000 χ^2/NDF : 28455411.5/5

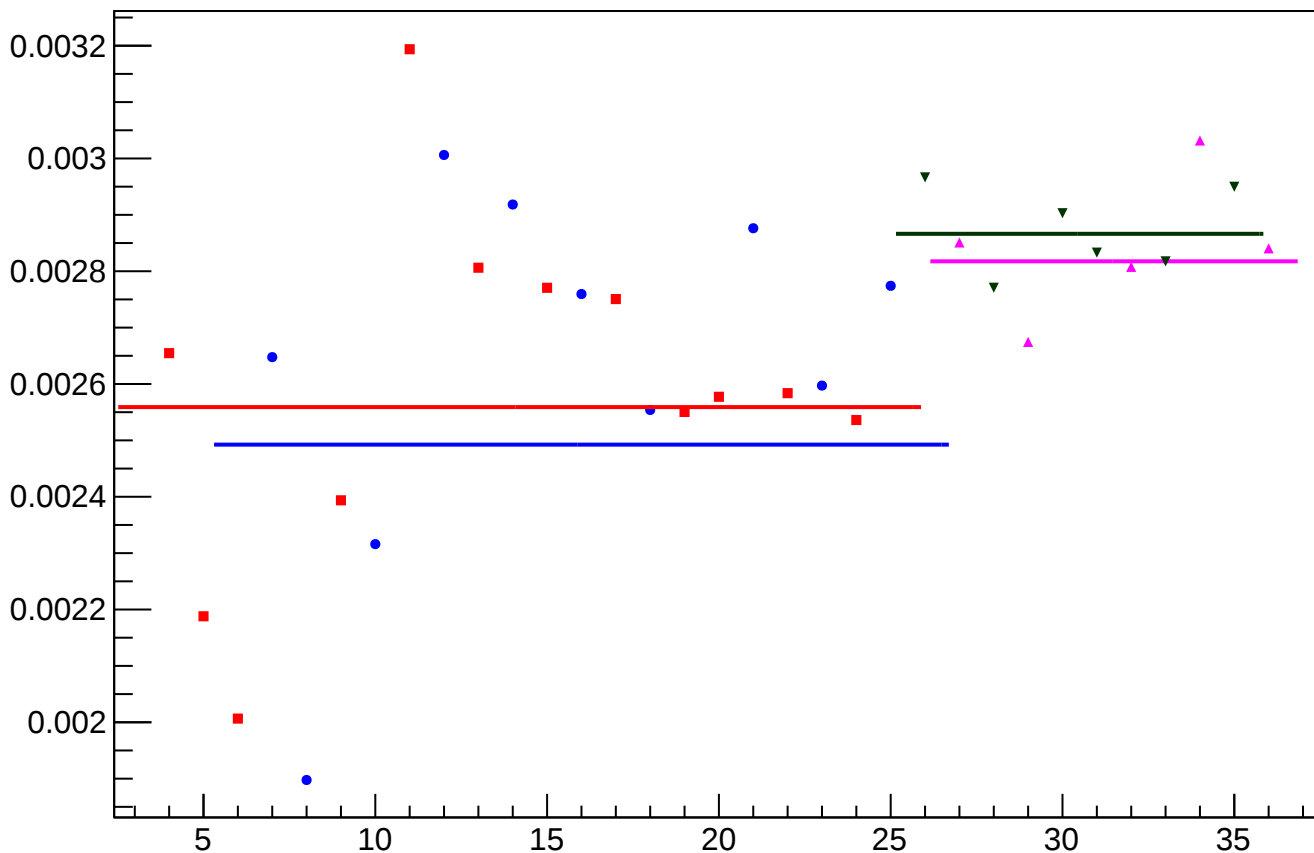
-0.281+/-0.000 χ^2/NDF : 1105418191.5/15

Right Out: -0.269+/-0.000 χ^2/NDF : 1935701786.6/11

-0.269+/-0.000 χ^2/NDF : 2172341800.6/16

Left In: -0.269+/-0.000 χ^2/NDF : 236622142.5/4

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 :4024.4/5

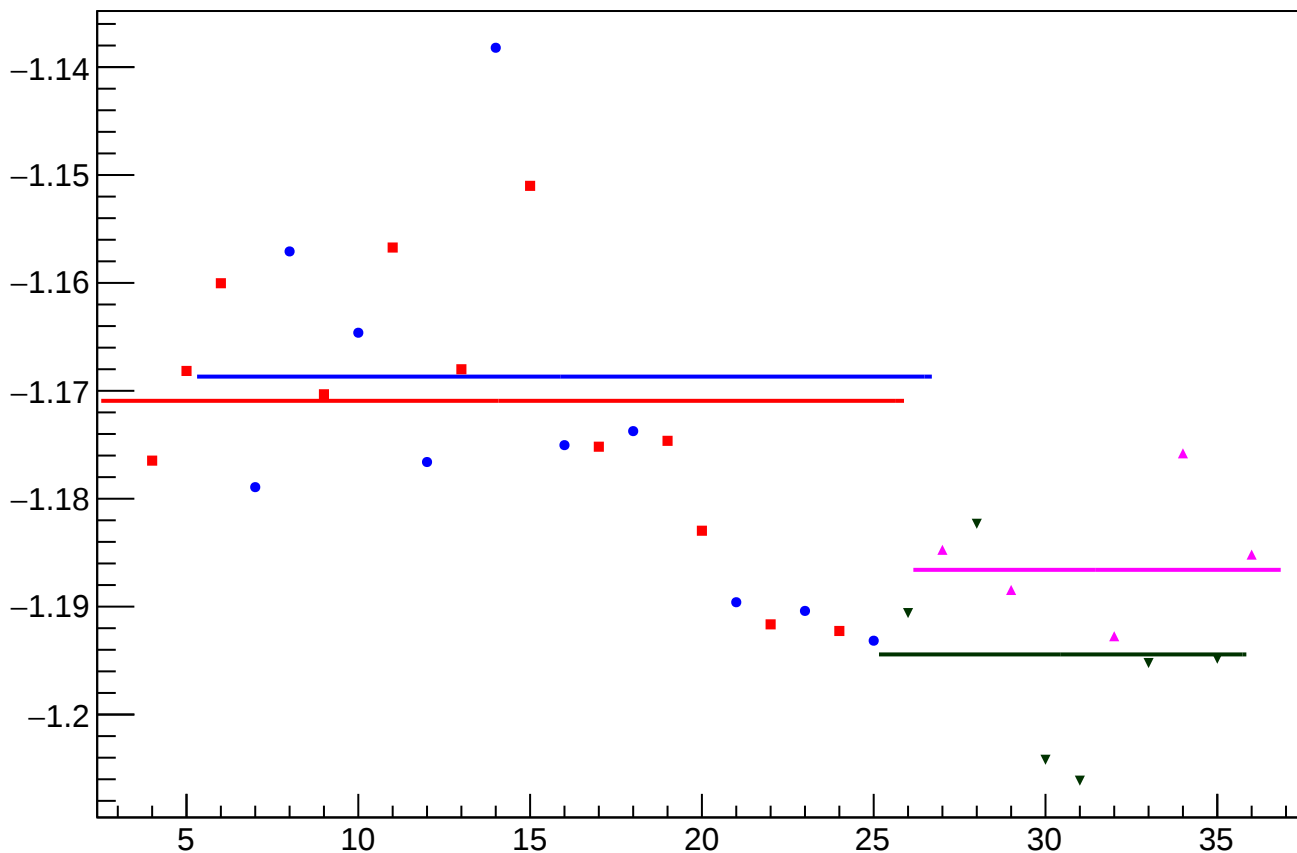
Right Out: 0.003+/-0.000 χ^2/NDF : 176456.4/11

Left In: 0.003+/-0.000 χ^2/NDF :9662.3/4

0.003+/-0.000 χ^2/NDF : 382497.6/15

0.003+/-0.000 χ^2/NDF : 225758.7/16

yield_bpm2i01X_mean vs slug



Right In: -1.169+/-0.000 χ^2/NDF : 35531757.4/9

Left Out: -1.194+/-0.000 χ^2/NDF : 3418848.7/5

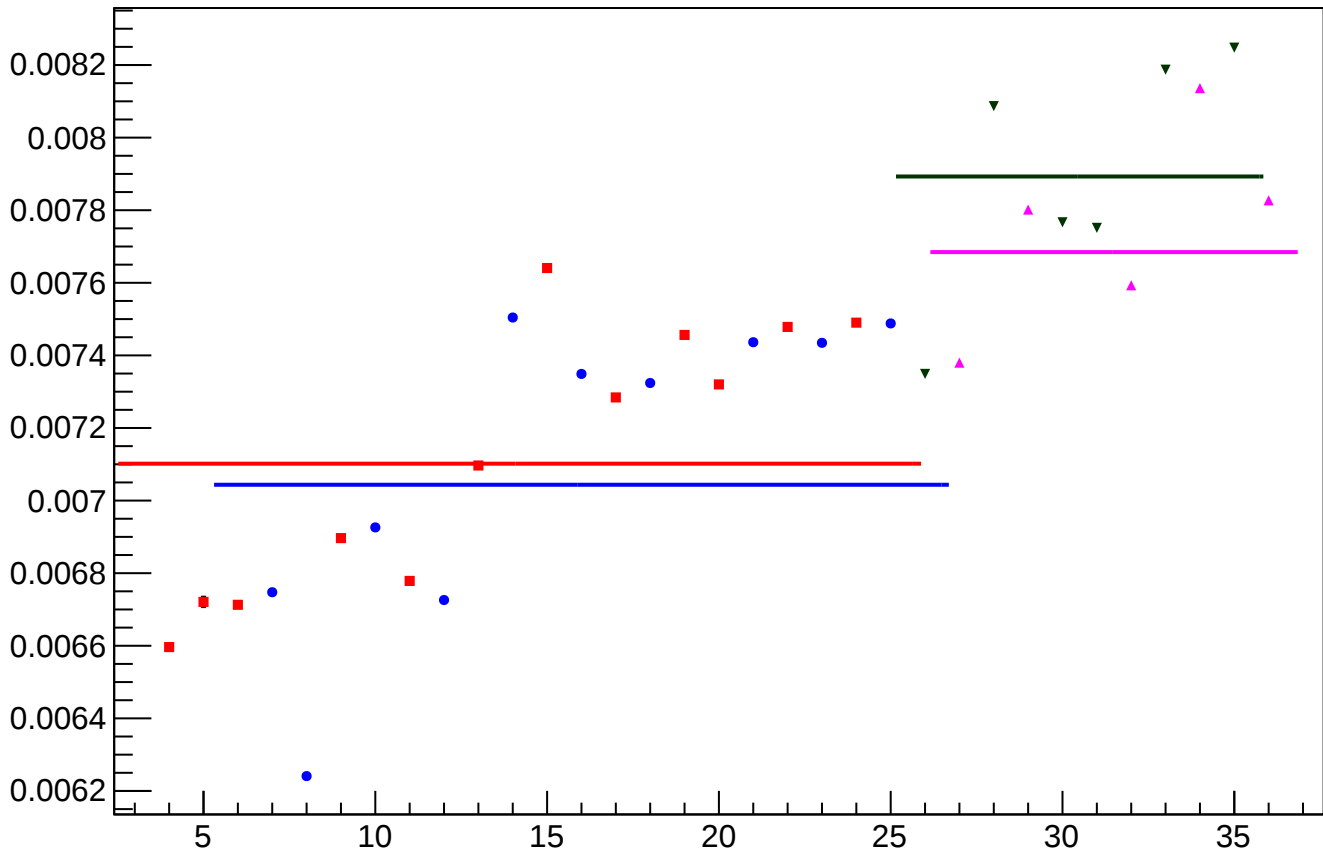
Right Out: -1.171+/-0.000 χ^2/NDF : 18815971.2/11

Left In: -1.187+/-0.000 χ^2/NDF : 1562754.8/4

-1.176+/-0.000 χ^2/NDF : 62812095.7/15

-1.176+/-0.000 χ^2/NDF : 30340729.8/16

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 :9925.2/5

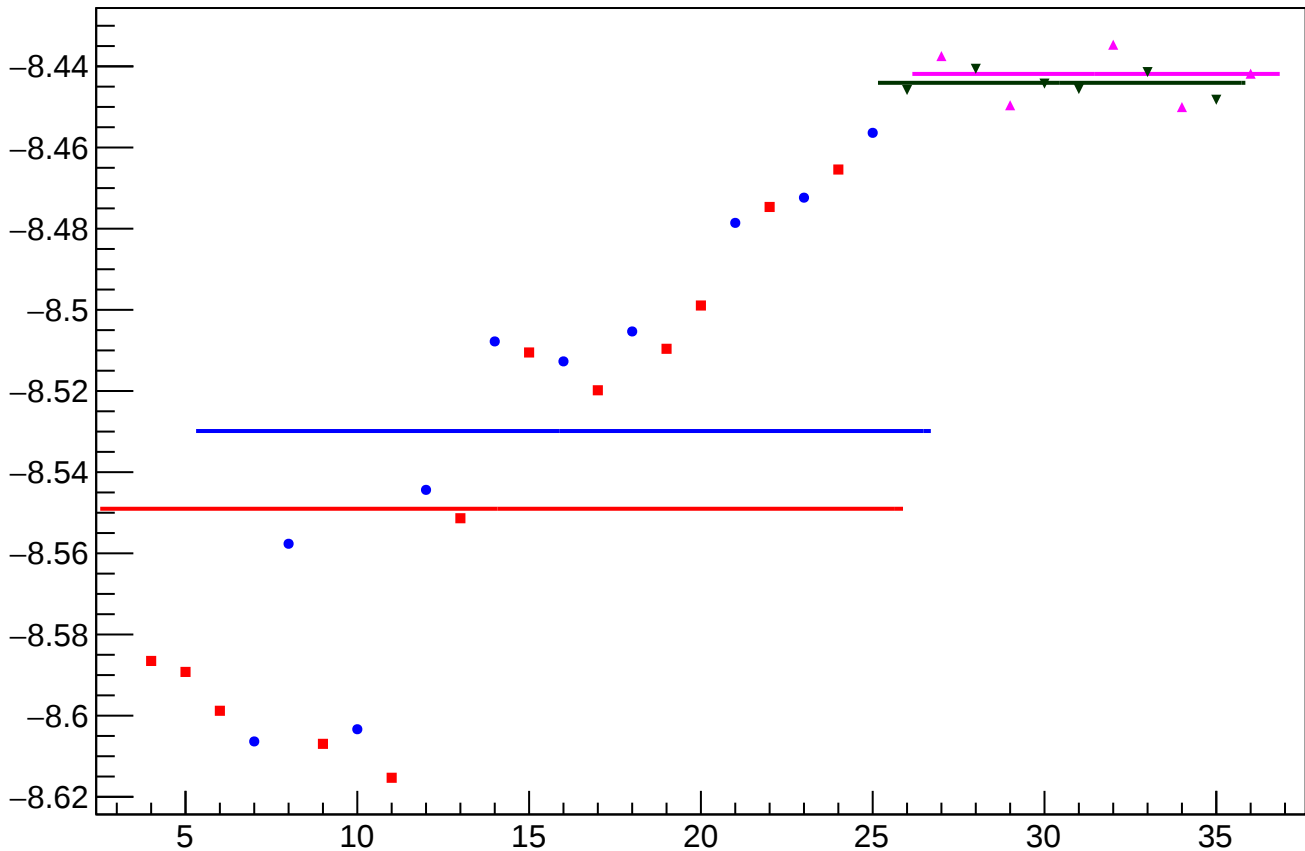
0.007+/-0.000 χ^2/NDF : 116456.0/15

Right Out: 0.007+/-0.000 χ^2/NDF : 27872.8/11

0.007+/-0.000 χ^2/NDF : 62325.5/16

Left In: 0.008+/-0.000 χ^2/NDF :6856.1/4

yield_bpm2i01Y_mean vs slug



Right In: -8.530+/-0.000 χ^2/NDF : 280483187.5/9

Left Out: -8.444+/-0.000 χ^2/NDF : 469111.7/5

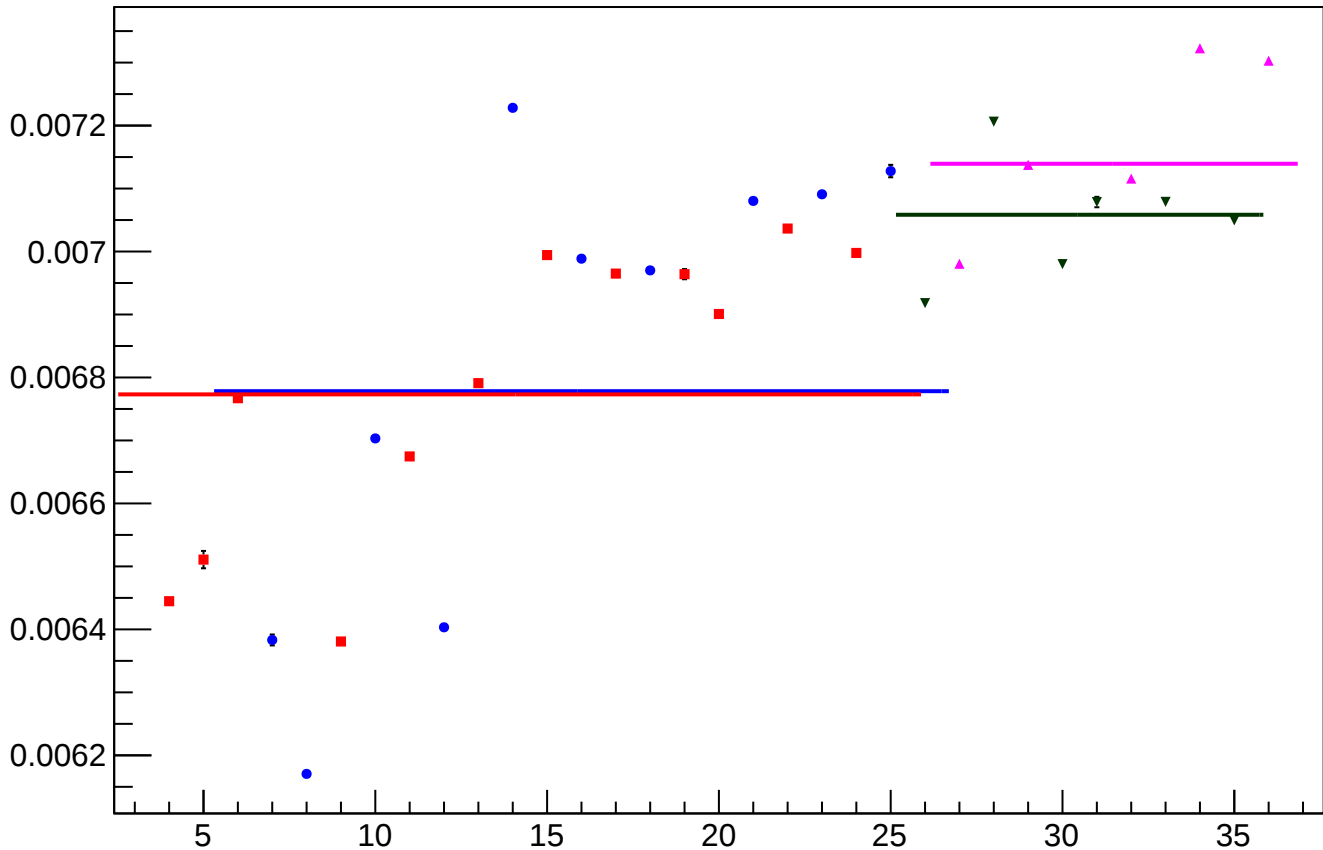
-8.503+/-0.000 χ^2/NDF : 602063231.8/15

Right Out: -8.549+/-0.000 χ^2/NDF : 379238014.1/11

-8.513+/-0.000 χ^2/NDF : 919051087.9/16

Left In: -8.442+/-0.000 χ^2/NDF : 2870870.4/4

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 :1168.5/5

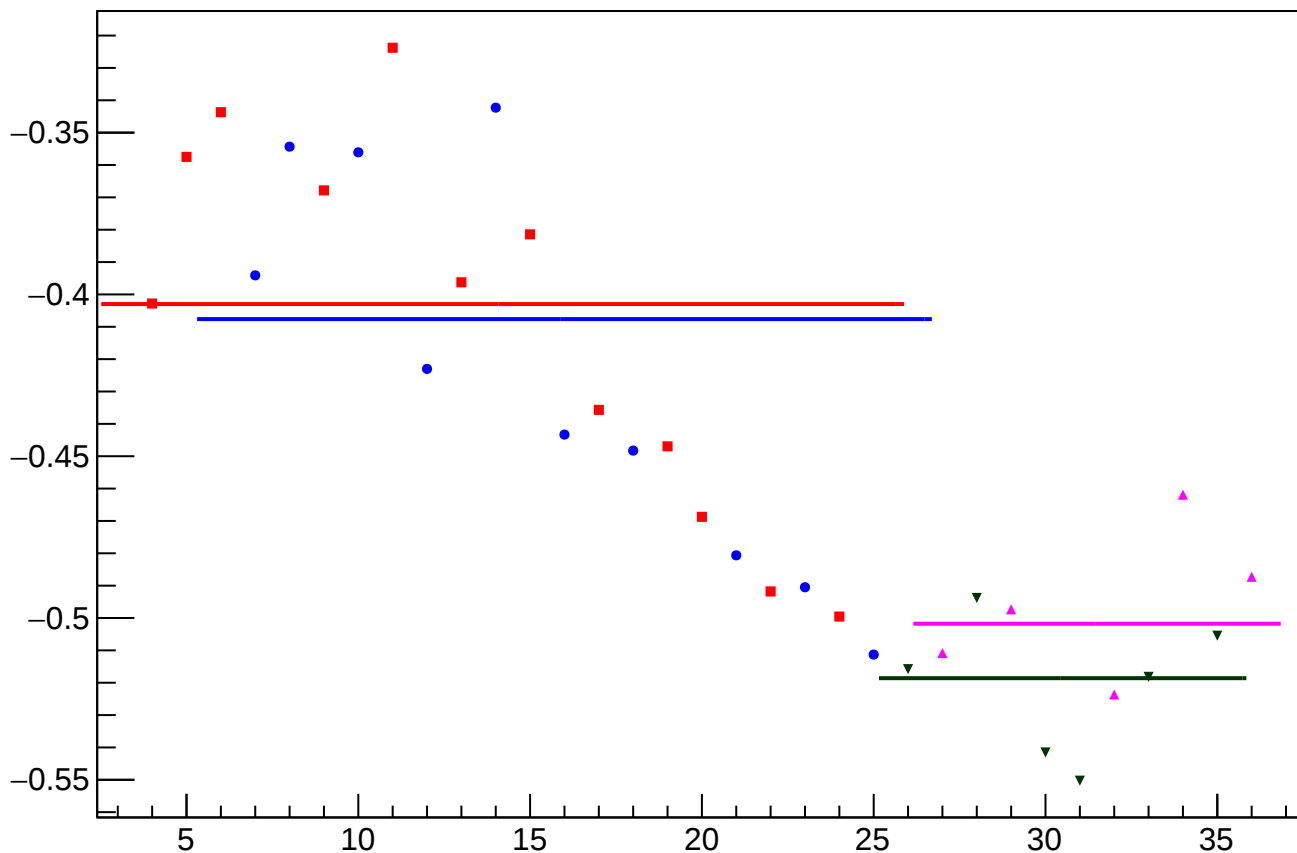
Right Out: 0.007+/-0.000 χ^2/NDF : 13957.5/11

Left In: 0.007+/-0.000 χ^2/NDF :2031.5/4

0.007+/-0.000 χ^2/NDF : 47865.1/15

0.007+/-0.000 χ^2/NDF : 28531.6/16

yield_bpm2i02X_mean vs slug



Right In: -0.408+/-0.000 χ^2 /NDF: 64975353.4/9

Left Out: -0.519+/-0.000 χ^2 /NDF:2989819.9/5

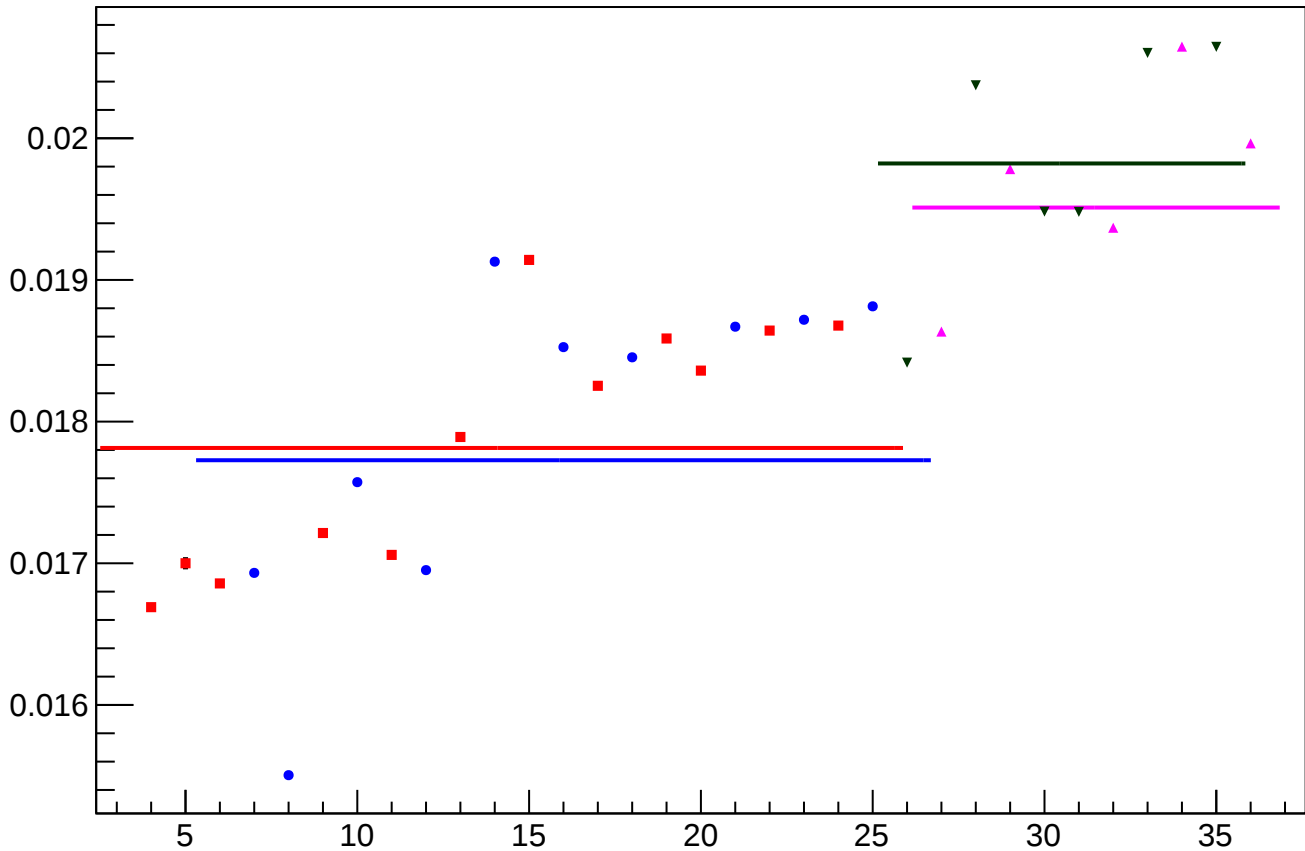
Right Out: -0.403+/-0.000 χ^2 /NDF: 62429358.0/11

Left In: -0.502+/-0.000 χ^2 /NDF:3469747.8/4

-0.439+/-0.000 χ^2 /NDF: 138265236.4/15

-0.434+/-0.000 χ^2 /NDF: 127922170.5/16

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 :10410.9/5

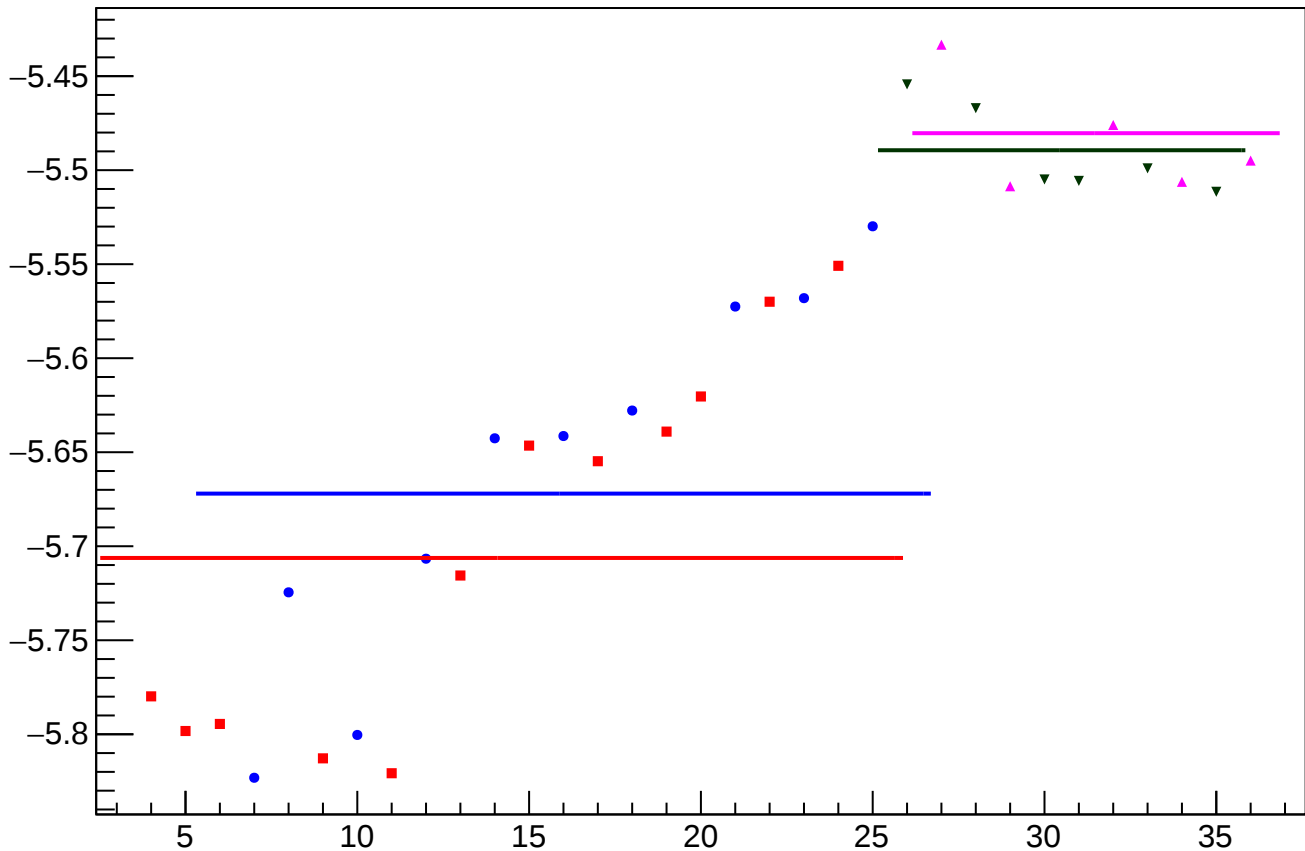
0.018+/-0.000 χ^2/NDF : 125297.5/15

Right Out: 0.018+/-0.000 χ^2/NDF : 24742.8/11

0.018+/-0.000 χ^2/NDF : 68953.3/16

Left In: 0.020+/-0.000 χ^2/NDF :7614.3/4

yield_bpm2i02Y_mean vs slug



Right In: -5.672+/-0.000 χ^2/NDF : 307961378.2/9

Left Out: -5.489+/-0.000 χ^2/NDF : 10418461.9/5

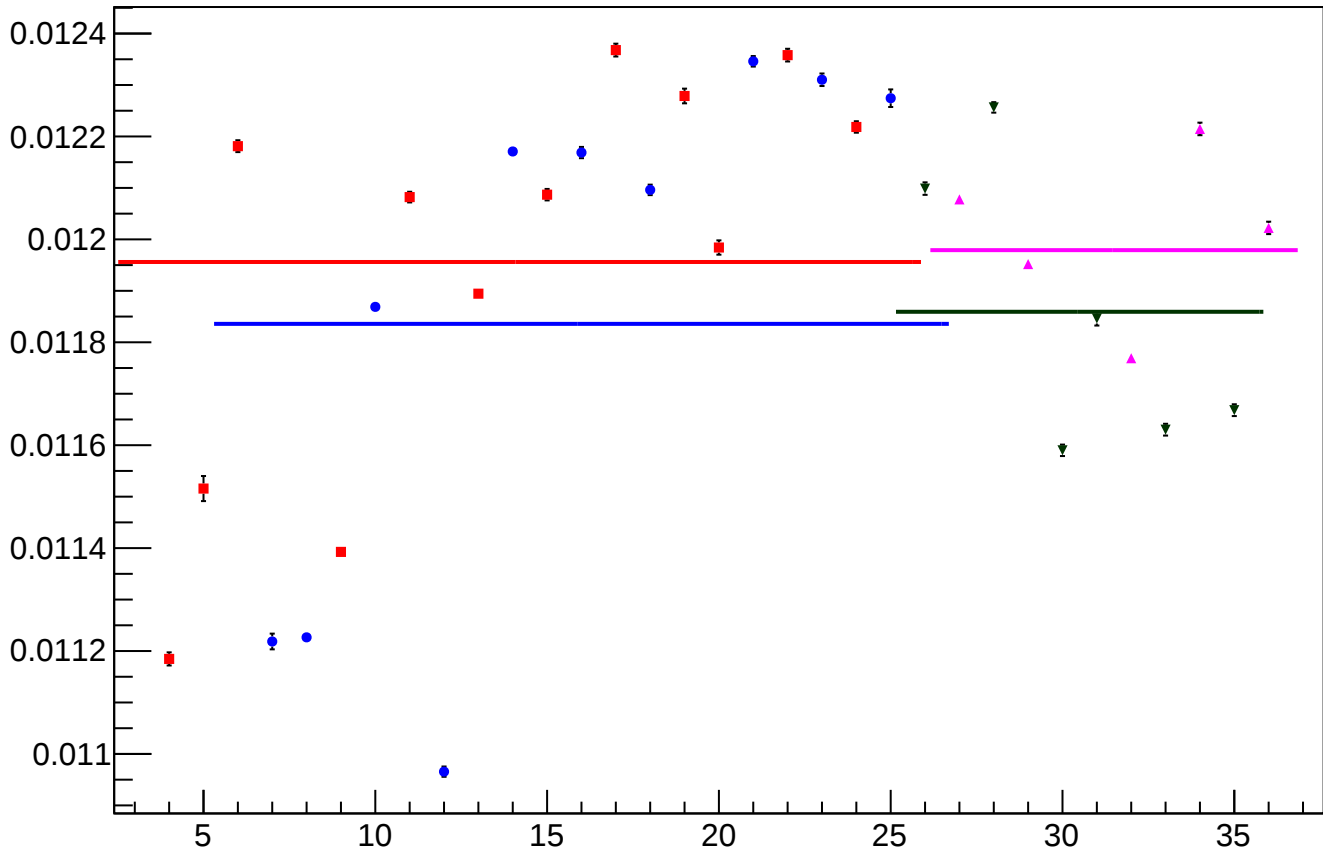
-5.612+/-0.000 χ^2/NDF : 820625830.4/15

Right Out: -5.706+/-0.000 χ^2/NDF : 393392324.7/11

-5.625+/-0.000 χ^2/NDF : 1231300110.1/16

Left In: -5.480+/-0.000 χ^2/NDF : 20808512.6/4

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 :3164.1/5

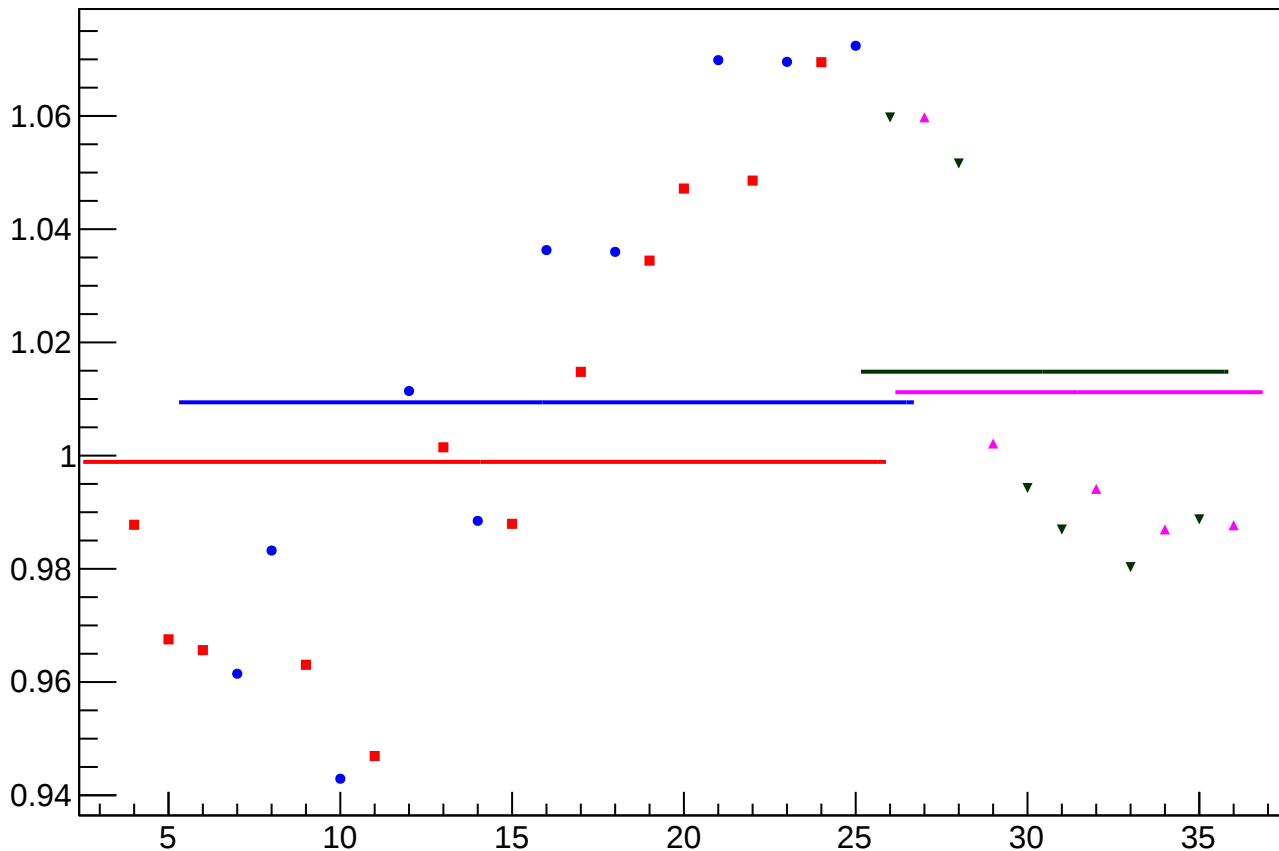
0.012+/-0.000 χ^2/NDF : 25448.2/15

Right Out: 0.012+/-0.000 χ^2/NDF : 11709.7/11

0.012+/-0.000 χ^2/NDF : 12803.5/16

Left In: 0.012+/-0.000 χ^2/NDF :1076.8/4

yield_bpm1i04X_mean vs slug



Right In: 1.009 ± 0.000 χ^2/NDF : 182212338.7/9

Left Out: 1.015 ± 0.000 χ^2/NDF : 66040179.6/5

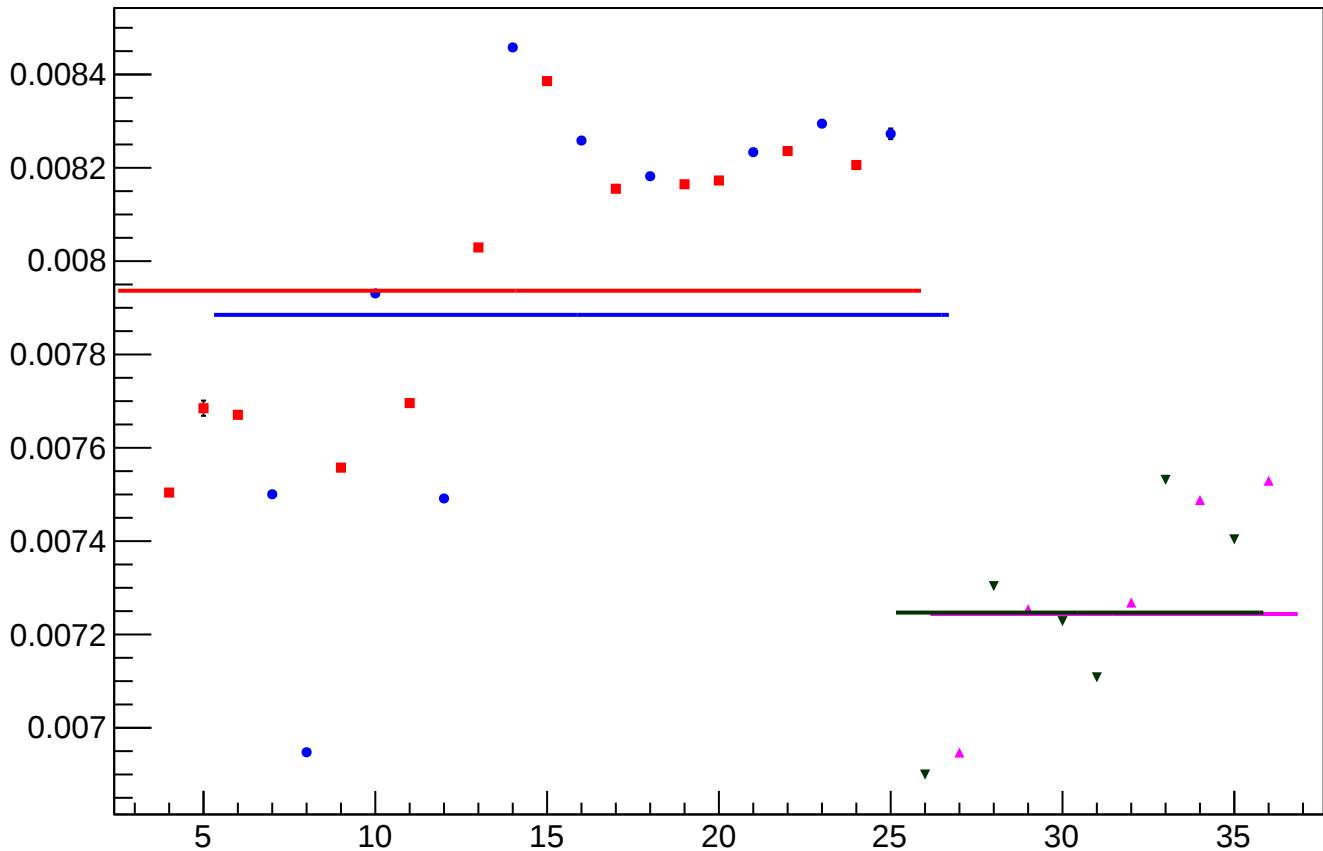
1.011 ± 0.000 χ^2/NDF : 249356674.7/15

Right Out: 0.999 ± 0.000 χ^2/NDF : 147584109.7/11

1.004 ± 0.000 χ^2/NDF : 210837263.3/16

Left In: 1.011 ± 0.000 χ^2/NDF : 57127611.9/4

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 : 4764.8/5

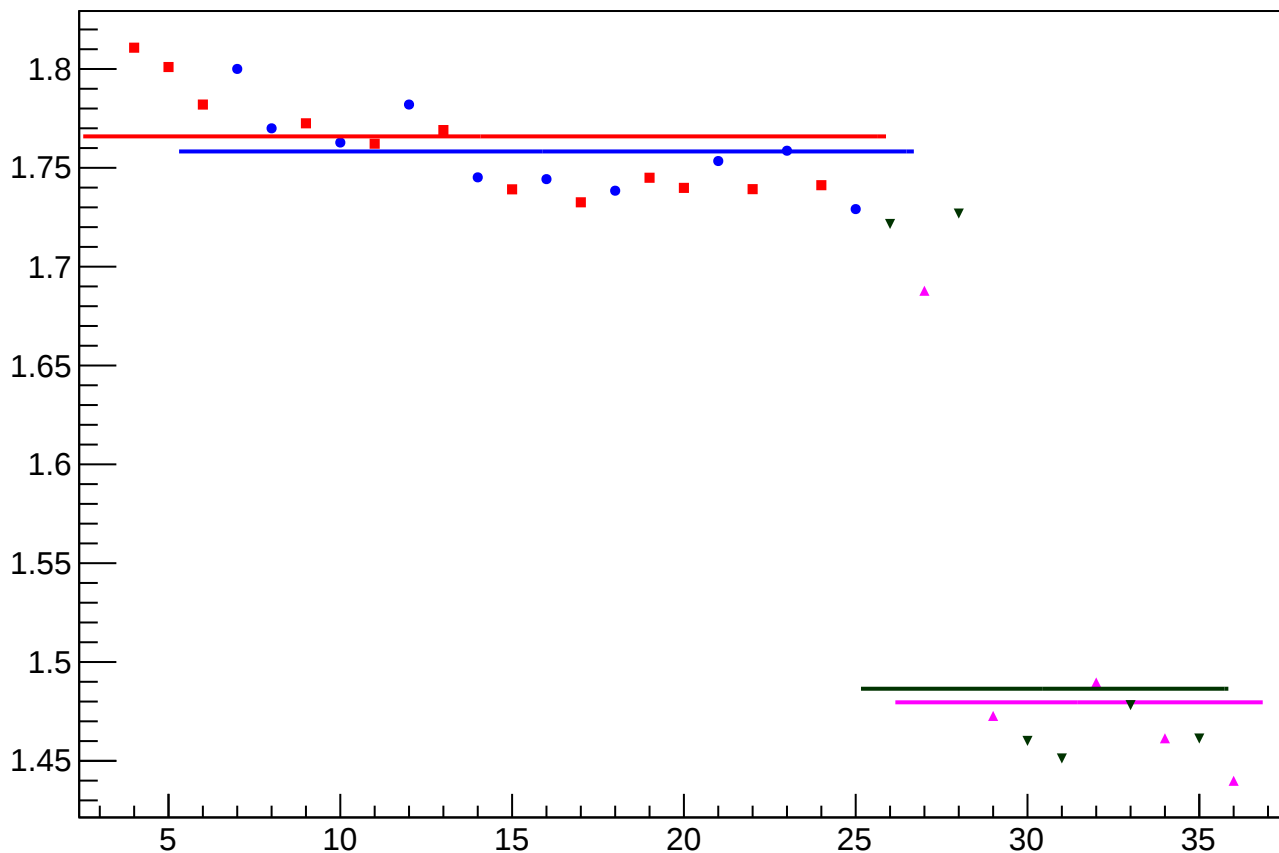
Right Out: 0.008+/-0.000 χ^2/NDF : 17438.8/11

Left In: 0.007+/-0.000 χ^2/NDF : 5537.4/4

0.008+/-0.000 χ^2/NDF : 93397.1/15

0.008+/-0.000 χ^2/NDF : 61782.8/16

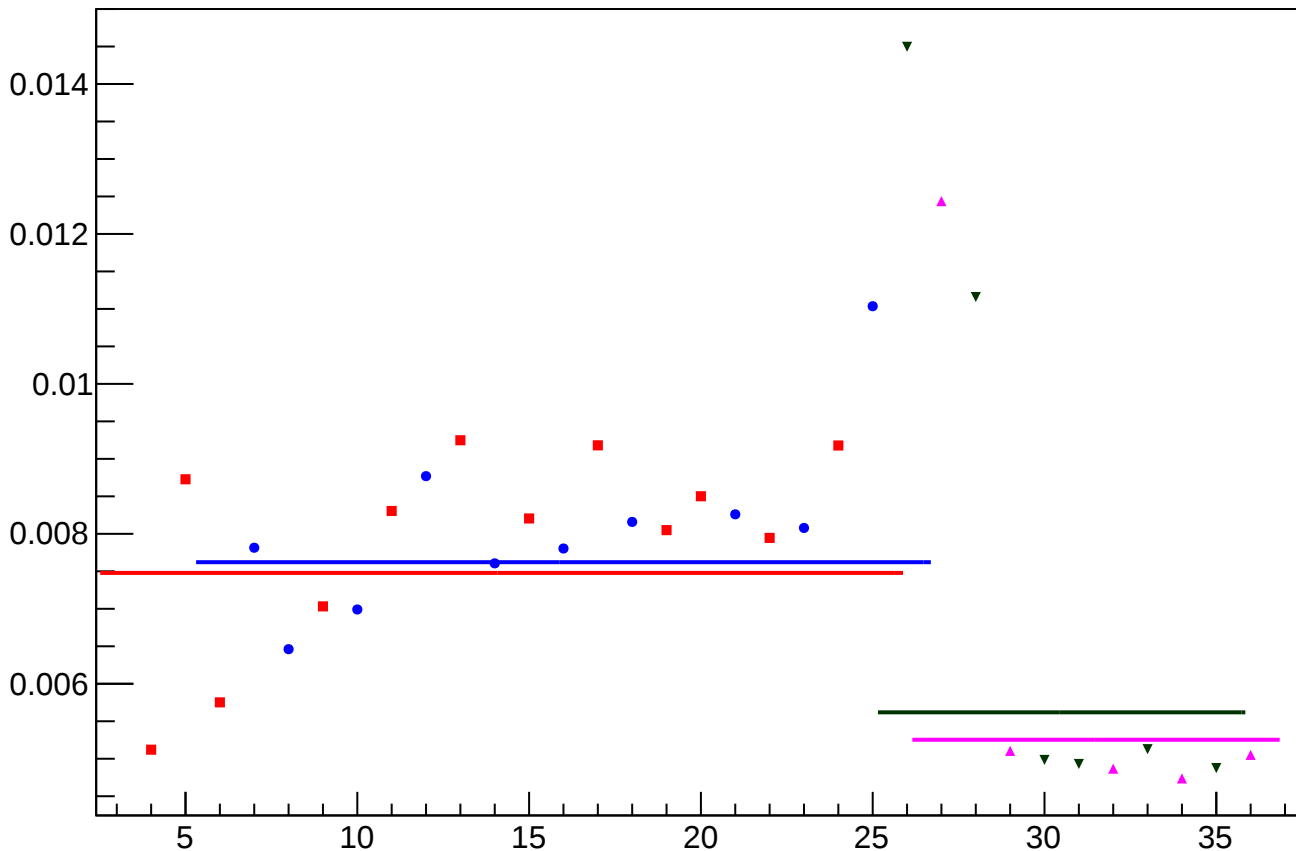
yield_bpm1i04Y_mean vs slug



Right In: 1.758+/-0.000 χ^2/NDF : 25411176.0/9
 Left Out: 1.486+/-0.000 χ^2/NDF : 465482726.0/5
 Right Out: 1.766+/-0.000 χ^2/NDF : 62233931.0/11
 Left In: 1.480+/-0.000 χ^2/NDF : 243337774.8/4

1.638+/-0.000 χ^2/NDF : 3886138710.7/15
 1.618+/-0.000 χ^2/NDF : 4737445541.1/16

yield_bpm1i04Y_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 152458.9/9

Left Out: 0.006+/-0.000 χ^2/NDF : 730502.4/5

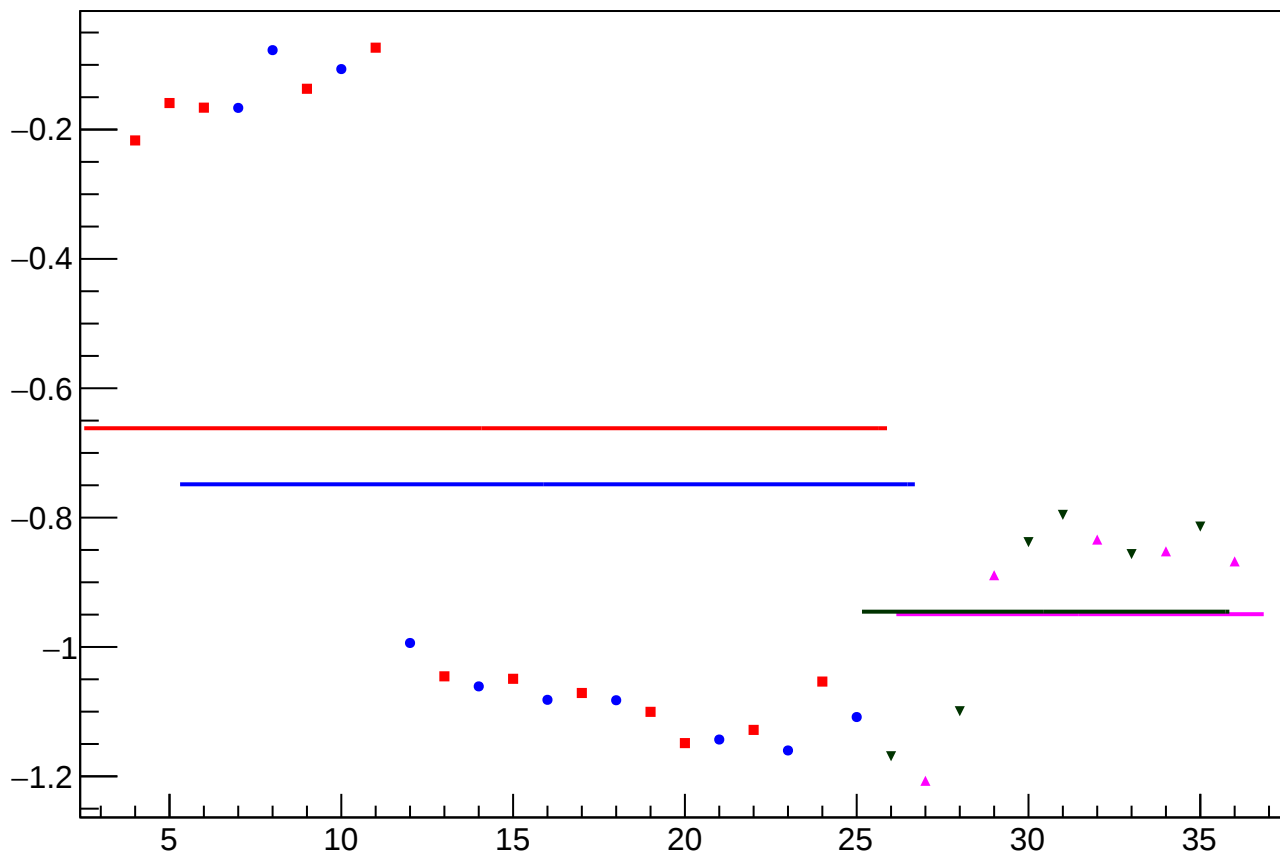
0.007+/-0.000 χ^2/NDF : 1251608.7/15

Right Out: 0.007+/-0.000 χ^2/NDF : 437086.3/11

0.006+/-0.000 χ^2/NDF : 1478589.9/16

Left In: 0.005+/-0.000 χ^2/NDF : 505878.4/4

yield_bpm0l01X_mean vs slug



Right In: -0.748+/-0.000 χ^2/NDF : 17438936914.1/9

Left Out: -0.945+/-0.000 χ^2/NDF : 919898672.4/5

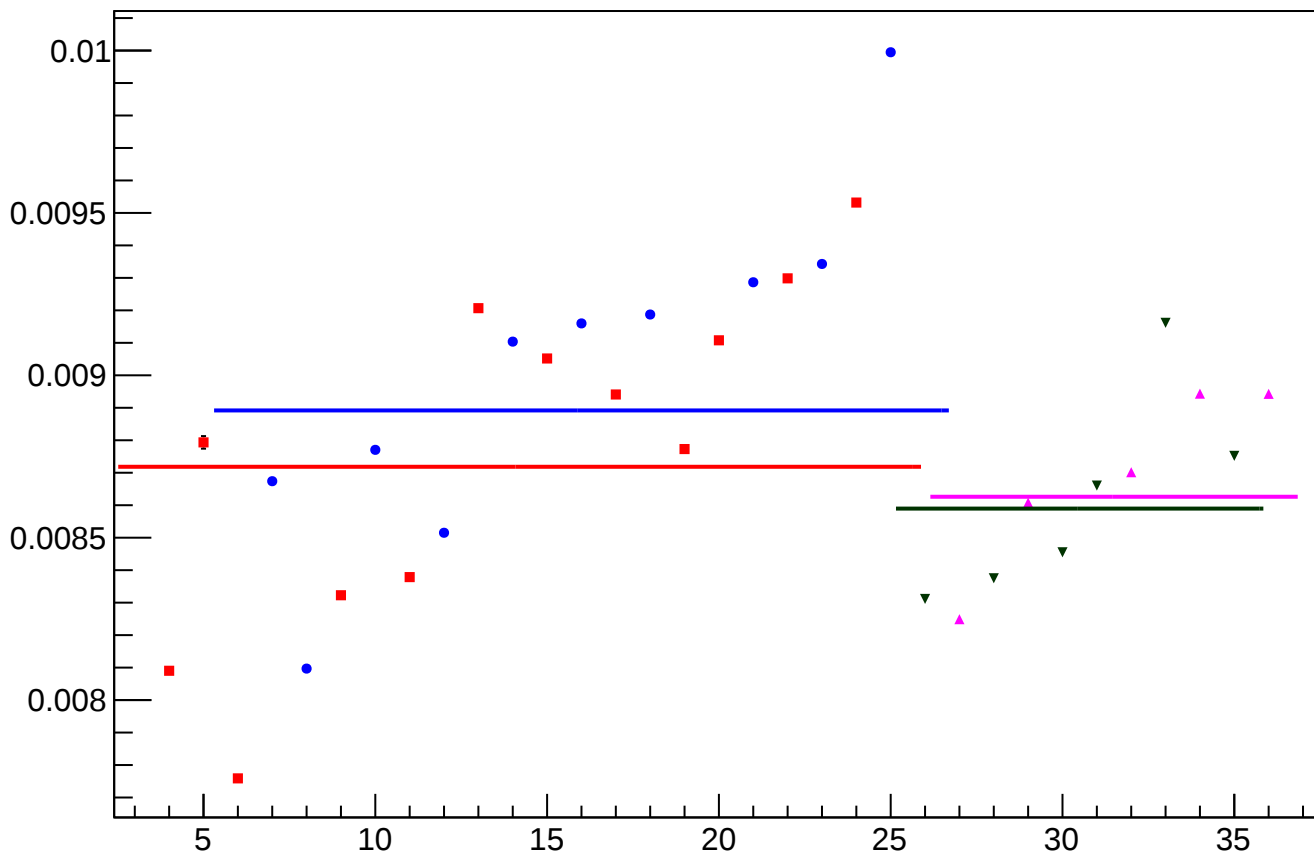
Right Out: -0.662+/-0.000 χ^2/NDF : 17756149128.0/11

Left In: -0.949+/-0.000 χ^2/NDF : 1099556225.1/4

-0.815+/-0.000 χ^2/NDF : 19408978815.1/15

-0.767+/-0.000 χ^2/NDF : 21331248639.2/16

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 : 6529.6/5

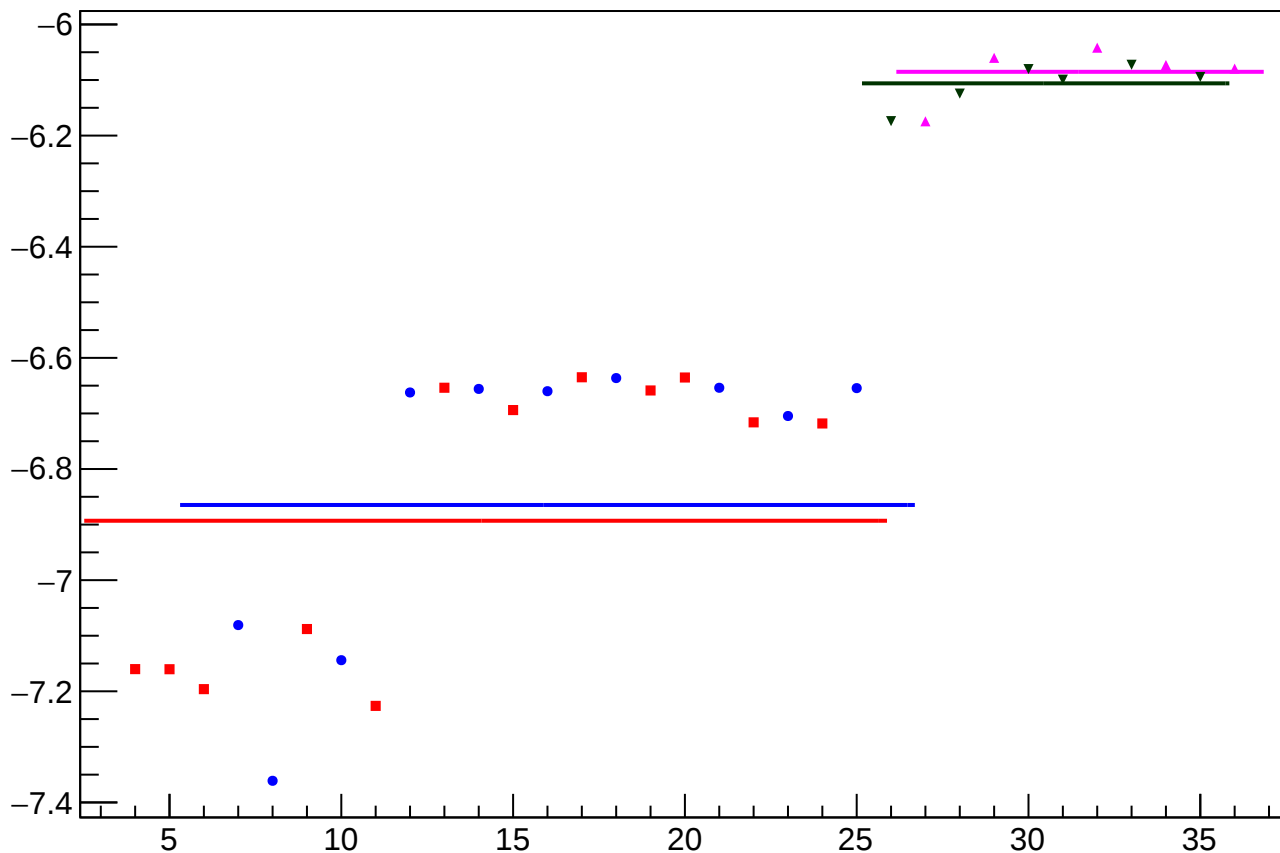
Right Out: 0.009+/-0.000 χ^2/NDF : 47651.1/11

Left In: 0.009+/-0.000 χ^2/NDF : 6056.3/4

0.009+/-0.000 χ^2/NDF : 45811.5/15

0.009+/-0.000 χ^2/NDF : 54217.8/16

yield_bpm0l01Y_mean vs slug



Right In: -6.865+/-0.000 χ^2/NDF : 6618589018.0/9

Left Out: -6.106+/-0.000 χ^2/NDF : 35096456.5/5

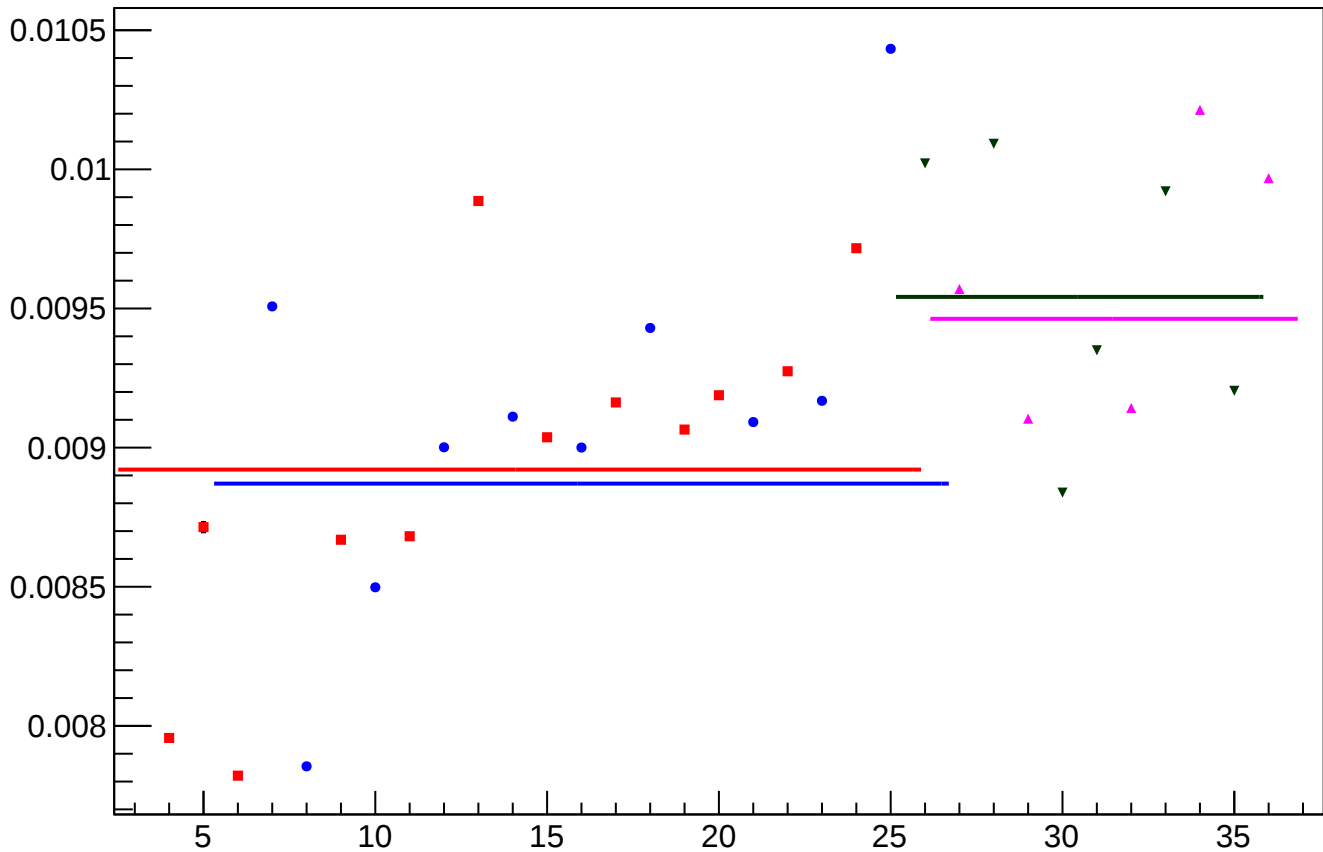
Right Out: -6.893+/-0.000 χ^2/NDF : 4705739160.1/11

Left In: -6.085+/-0.000 χ^2/NDF : 96999608.8/4

-6.643+/-0.000 χ^2/NDF : 19979941344.0/15

-6.622+/-0.000 χ^2/NDF : 21602281640.1/16

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 :15711.1/5

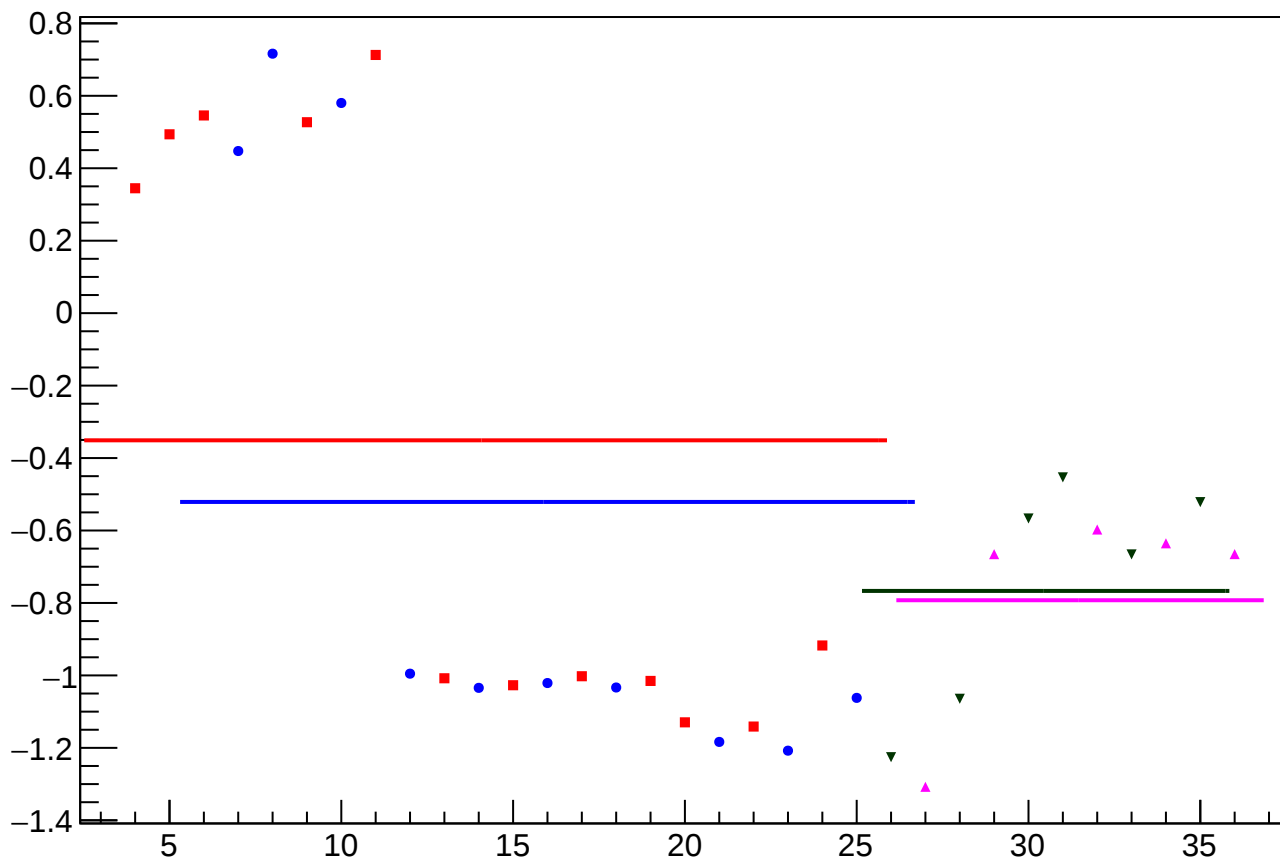
Right Out: 0.009+/-0.000 χ^2/NDF : 61199.2/11

Left In: 0.009+/-0.000 χ^2/NDF :12670.1/4

0.009+/-0.000 χ^2/NDF : 90502.4/15

0.009+/-0.000 χ^2/NDF : 88977.1/16

yield_bpm0l02X_mean vs slug



Right In: -0.521+/-0.000 χ^2/NDF : 9220973673.4/9

Left Out: -0.767+/-0.000 χ^2/NDF : 808349002.3/5

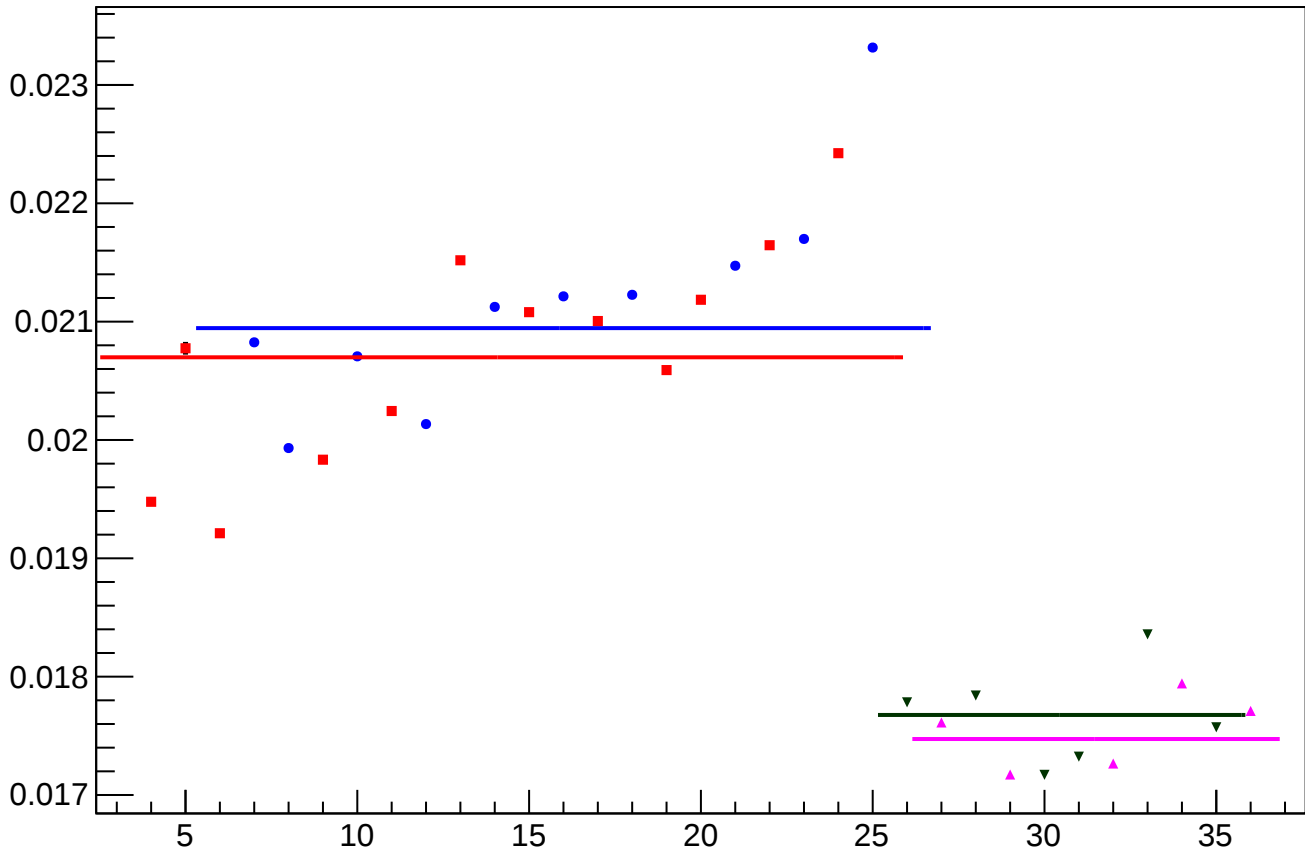
Right Out: -0.351+/-0.000 χ^2/NDF : 8987357685.6/11

Left In: -0.792+/-0.000 χ^2/NDF : 933299131.6/4

-0.620+/-0.000 χ^2/NDF : 10380624399.0/15

-0.547+/-0.000 χ^2/NDF : 11178144751.1/16

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 : 2812.9/5

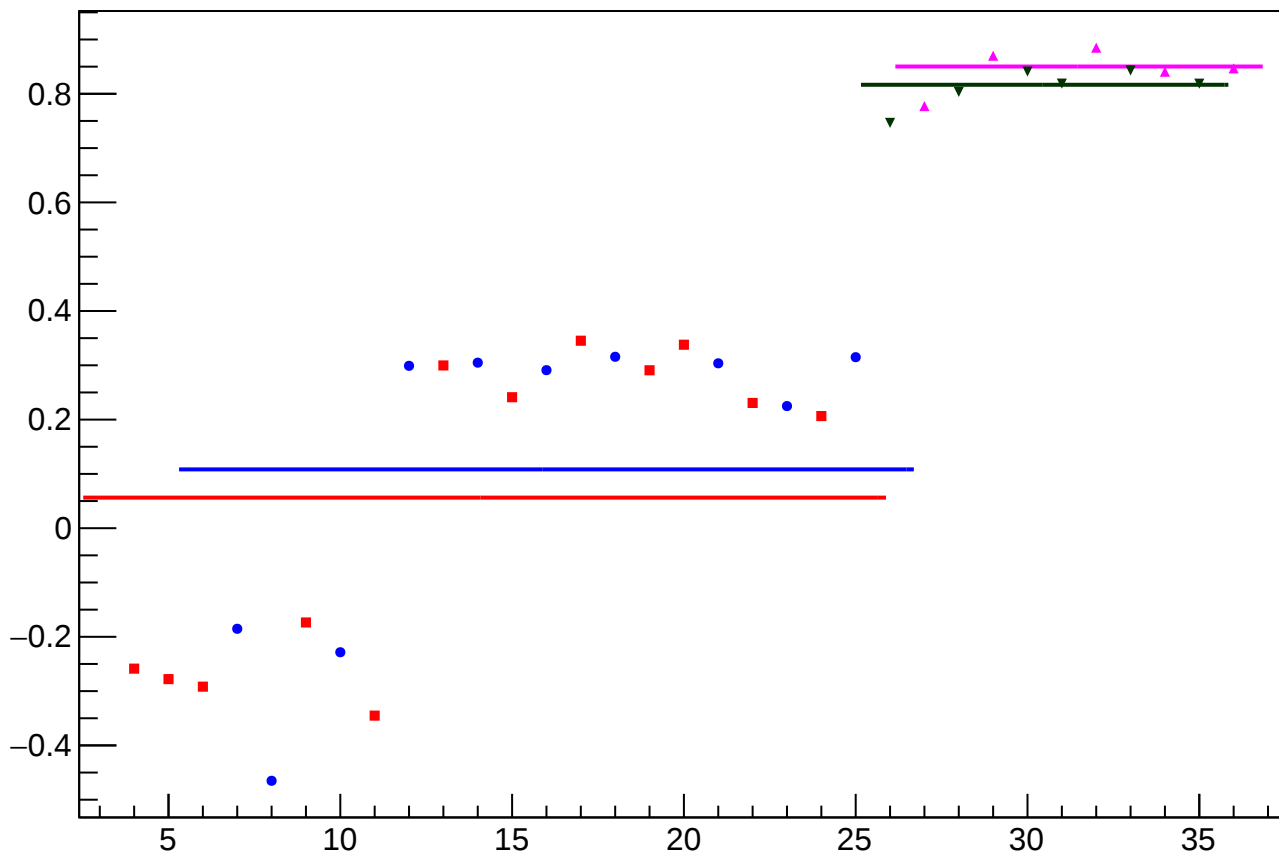
0.020+/-0.000 χ^2/NDF : 141815.7/15

Right Out: 0.021+/-0.000 χ^2/NDF : 25534.1/11

0.019+/-0.000 χ^2/NDF : 161542.6/16

Left In: 0.017+/-0.000 χ^2/NDF : 1725.8/4

yield_bpm0l02Y_mean vs slug



Right In: 0.108 $\pm$ 0.000 χ^2 /NDF: 3631955649.9/9

Left Out: 0.817 $\pm$ 0.000 χ^2 /NDF:18521535.6/5

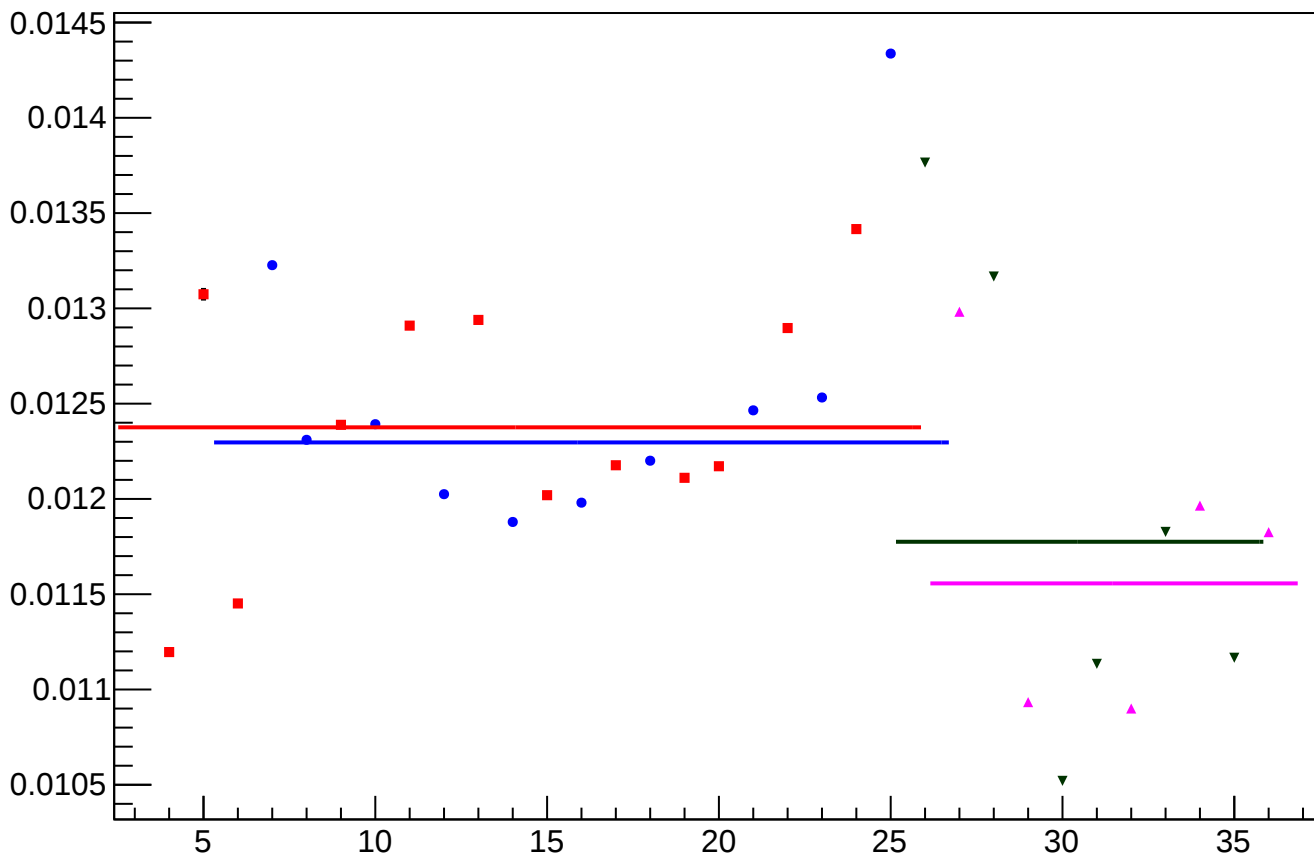
0.351 $\pm$ 0.000 χ^2 /NDF: 10787630625.4/15

Right Out: 0.056 $\pm$ 0.000 χ^2 /NDF: 2963825797.0/11

0.370 $\pm$ 0.000 χ^2 /NDF: 12966248087.2/16

Left In: 0.850 $\pm$ 0.000 χ^2 /NDF:37522233.9/4

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 : 55143.0/5

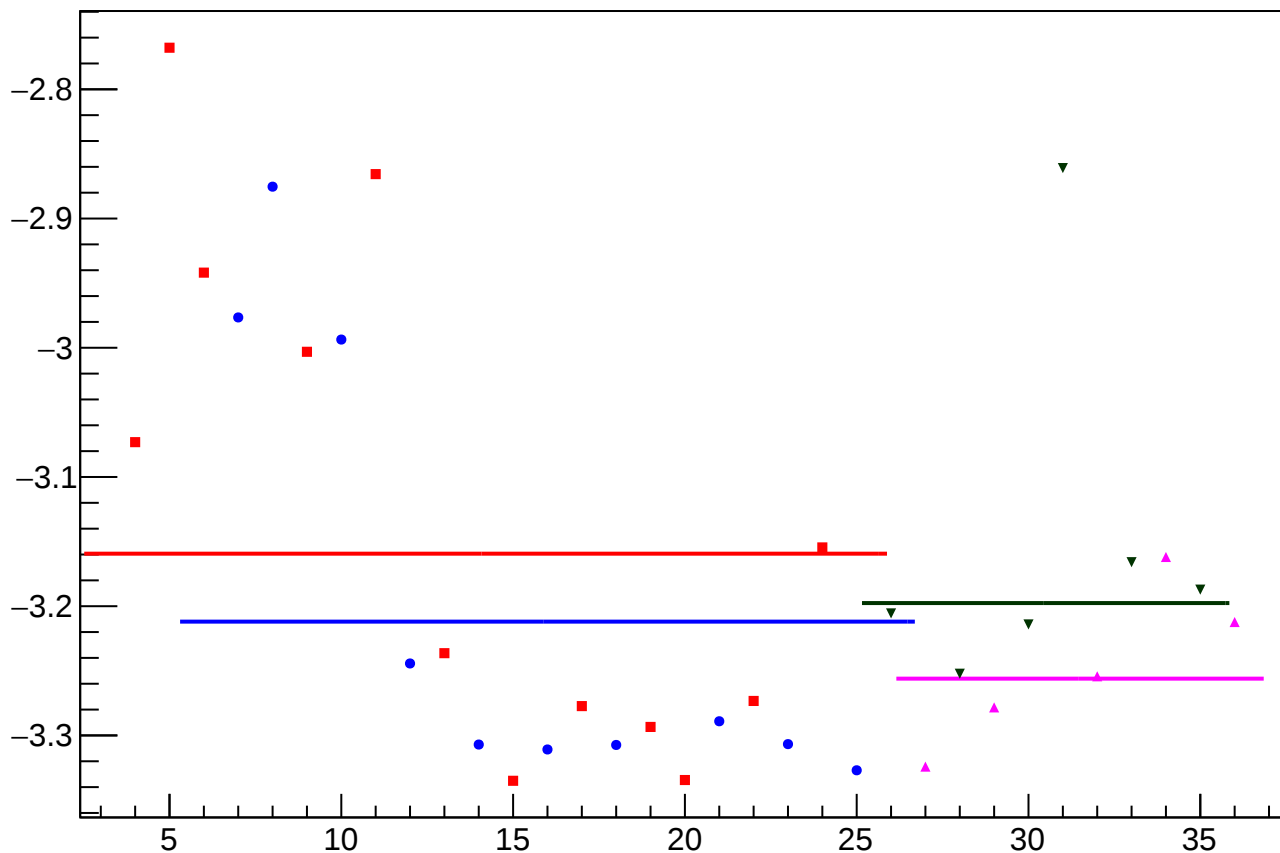
Right Out: 0.012+/-0.000 χ^2/NDF : 31560.7/11

Left In: 0.012+/-0.000 χ^2/NDF : 32997.5/4

0.012+/-0.000 χ^2/NDF : 80156.0/15

0.012+/-0.000 χ^2/NDF : 85766.5/16

yield_bpm0l03X_mean vs slug



Right In: -3.212+/-0.000 χ^2/NDF : 2232010531.1/9

Left Out: -3.198+/-0.000 χ^2/NDF : 220568304.6/5

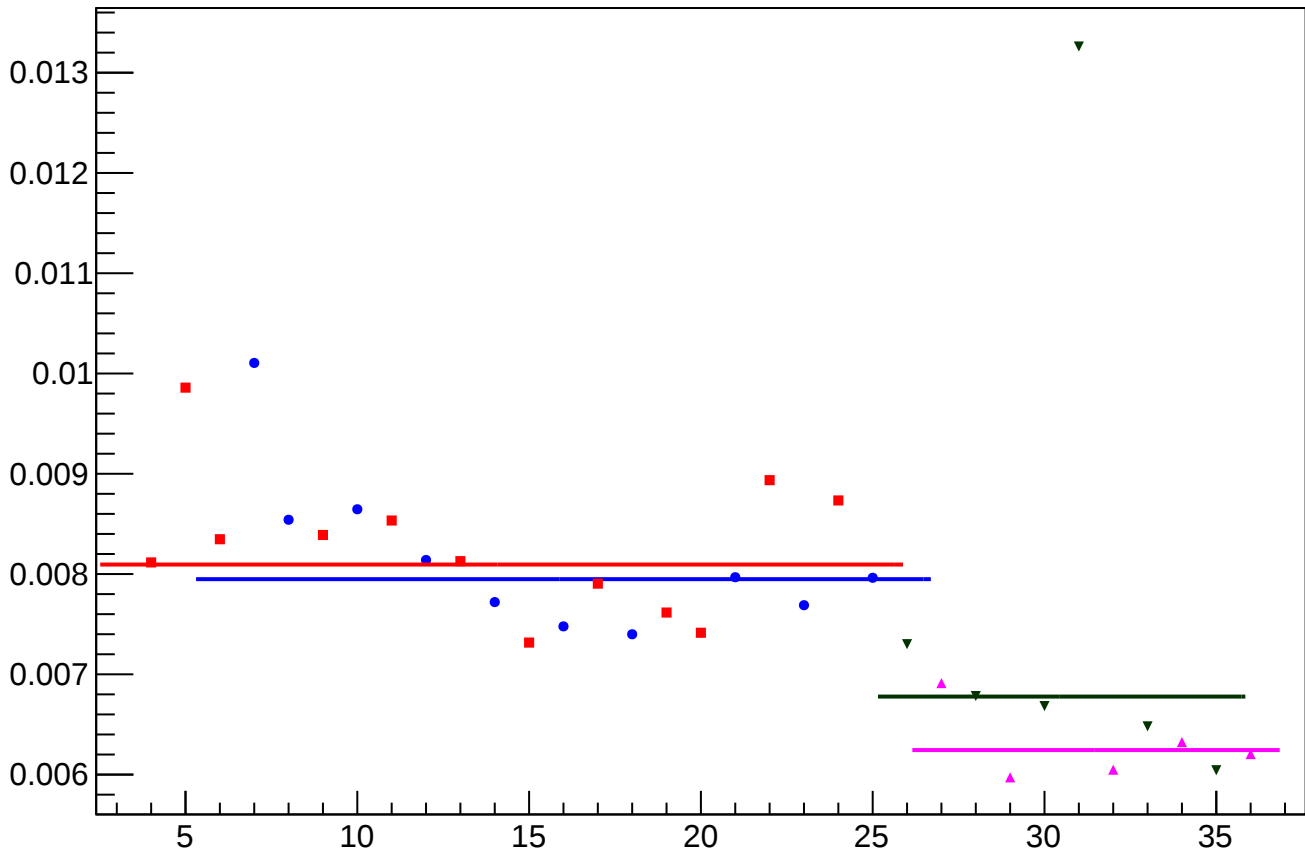
Right Out: -3.159+/-0.000 χ^2/NDF : 2193027591.1/11

Left In: -3.256+/-0.000 χ^2/NDF : 199339744.6/4

-3.206+/-0.000 χ^2/NDF : 2459480248.3/15

-3.209+/-0.000 χ^2/NDF : 2772197292.4/16

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 :145968.2/5

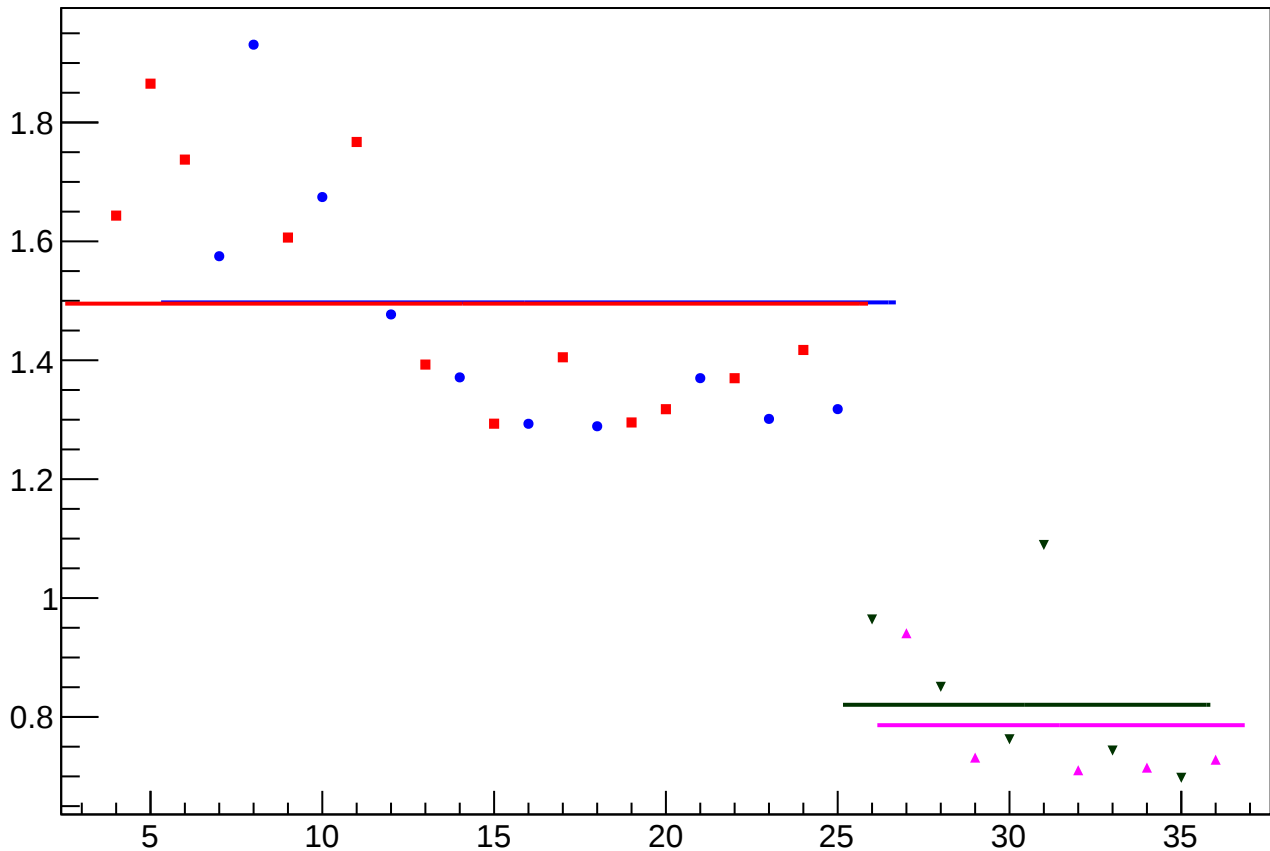
0.008+/-0.000 χ^2/NDF : 280081.6/15

Right Out: 0.008+/-0.000 χ^2/NDF : 41566.1/11

0.007+/-0.000 χ^2/NDF : 338510.2/16

Left In: 0.006+/-0.000 χ^2/NDF :18885.8/4

yield_bpm0l03Y_mean vs slug



Right In: 1.497 $\pm$ 0.000 χ^2 /NDF: 5019721758.5/9

Left Out: 0.820 $\pm$ 0.000 χ^2 /NDF: 331412724.0/5

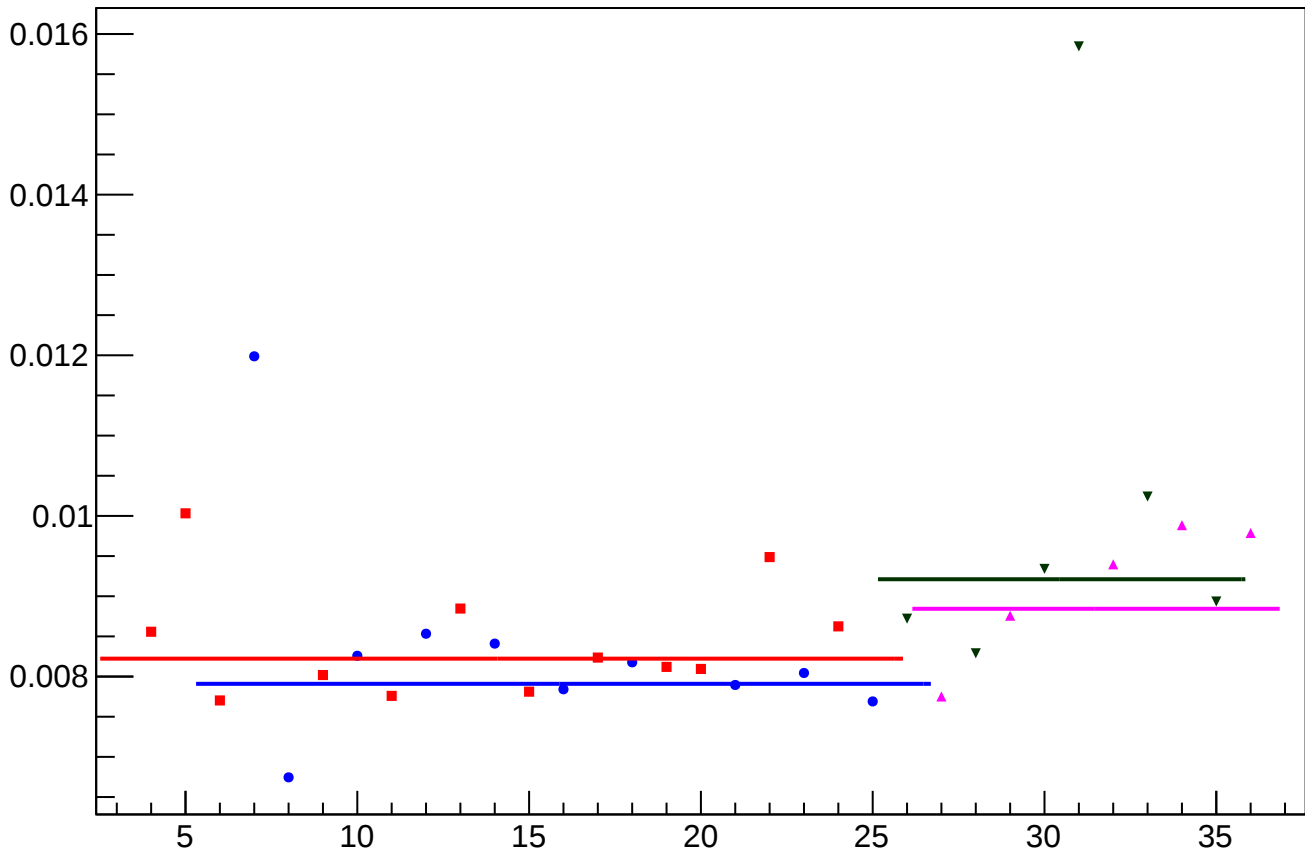
1.329 $\pm$ 0.000 χ^2 /NDF: 15265874683.1/15

Right Out: 1.495 $\pm$ 0.000 χ^2 /NDF: 2404671234.5/11

1.247 $\pm$ 0.000 χ^2 /NDF: 16106542352.9/16

Left In: 0.786 $\pm$ 0.000 χ^2 /NDF: 405865973.9/4

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 : 121824.1/5

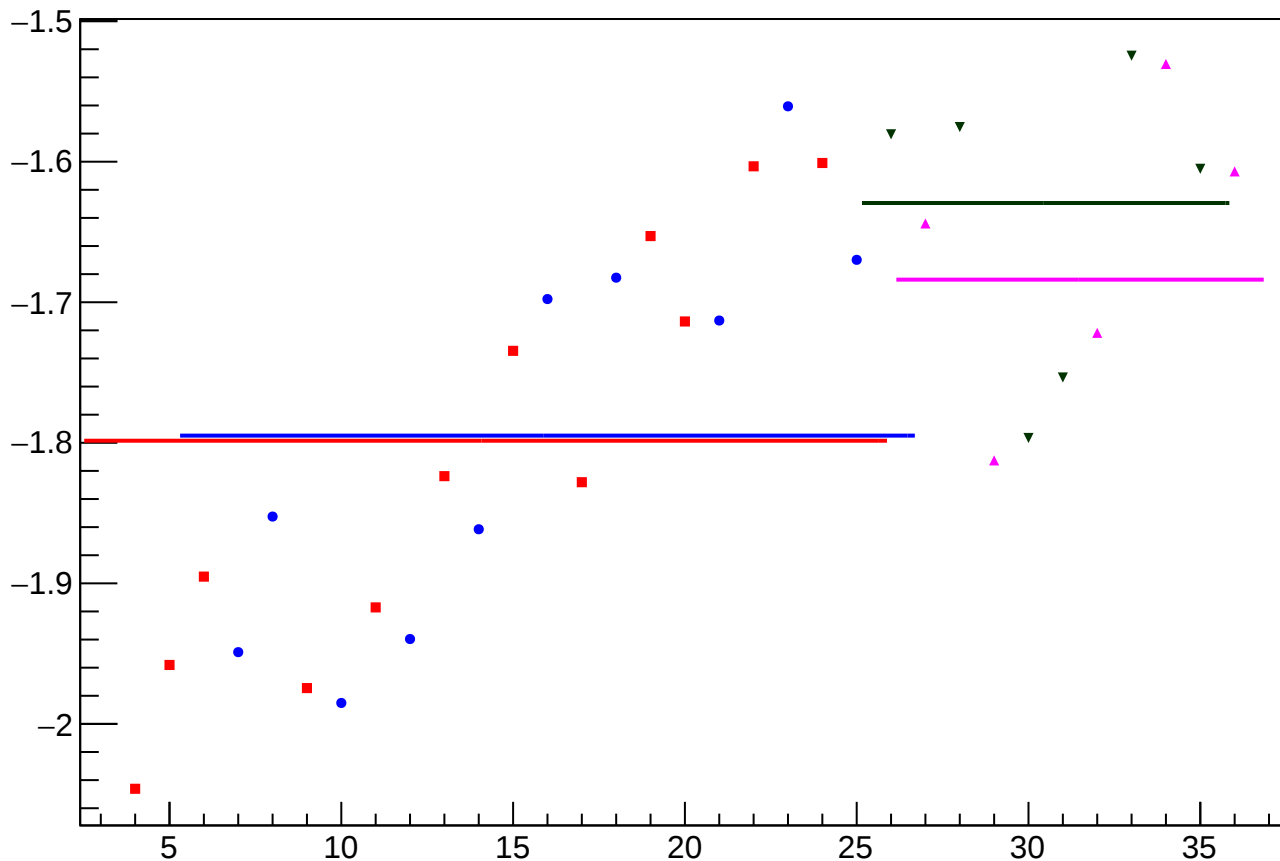
0.008+/-0.000 χ^2/NDF : 286742.5/15

Right Out: 0.008+/-0.000 χ^2/NDF : 38168.5/11

0.008+/-0.000 χ^2/NDF : 110562.8/16

Left In: 0.009+/-0.000 χ^2/NDF : 52001.2/4

yield_bpm0l04X_mean vs slug



Right In: -1.795+/-0.000 χ^2/NDF : 835574790.6/9

Left Out: -1.629+/-0.000 χ^2/NDF : 205216506.4/5

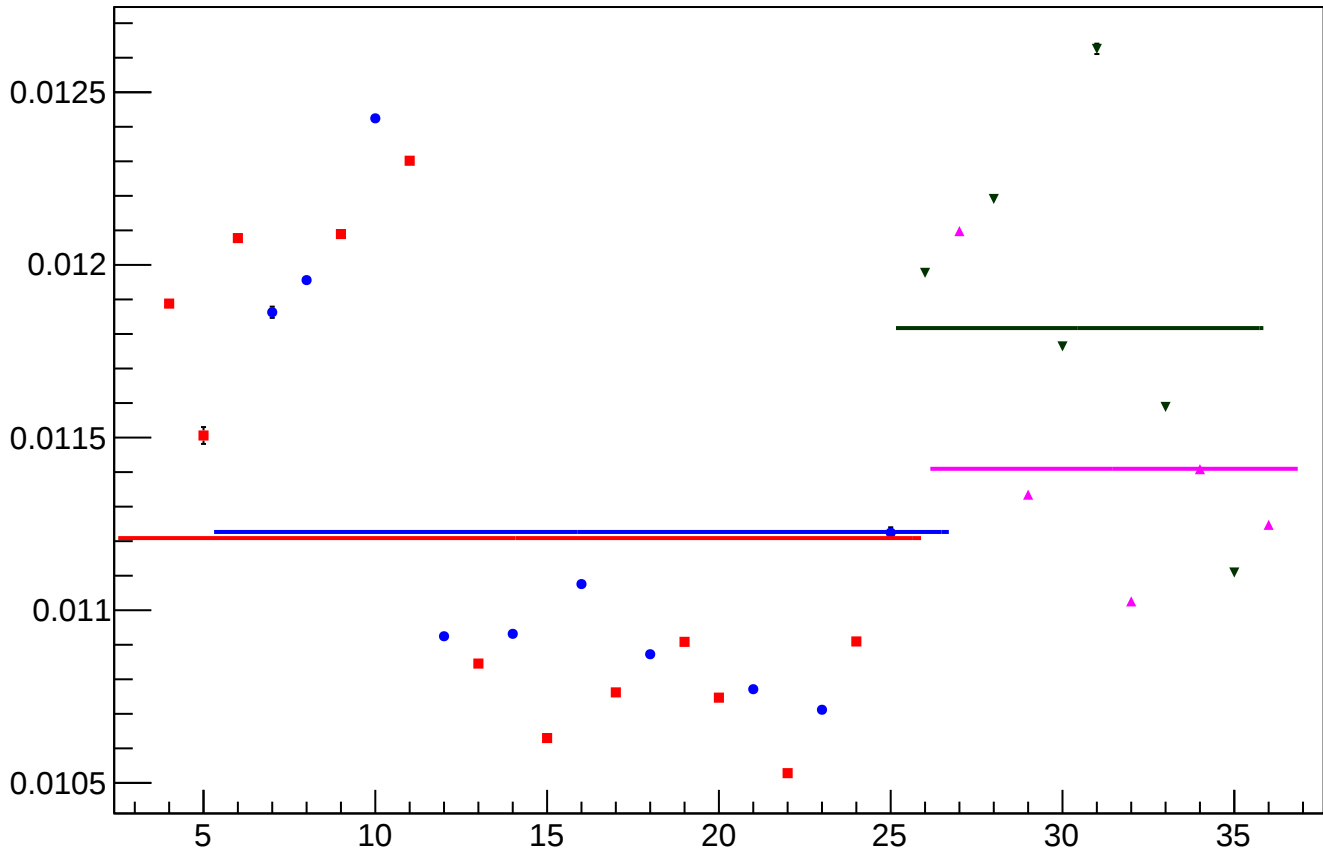
Right Out: -1.799+/-0.000 χ^2/NDF : 930787190.3/11

Left In: -1.684+/-0.000 χ^2/NDF : 240770977.4/4

-1.745+/-0.000 χ^2/NDF : 1458399906.5/15

-1.758+/-0.000 χ^2/NDF : 1403321162.7/16

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 : 8917.6/5

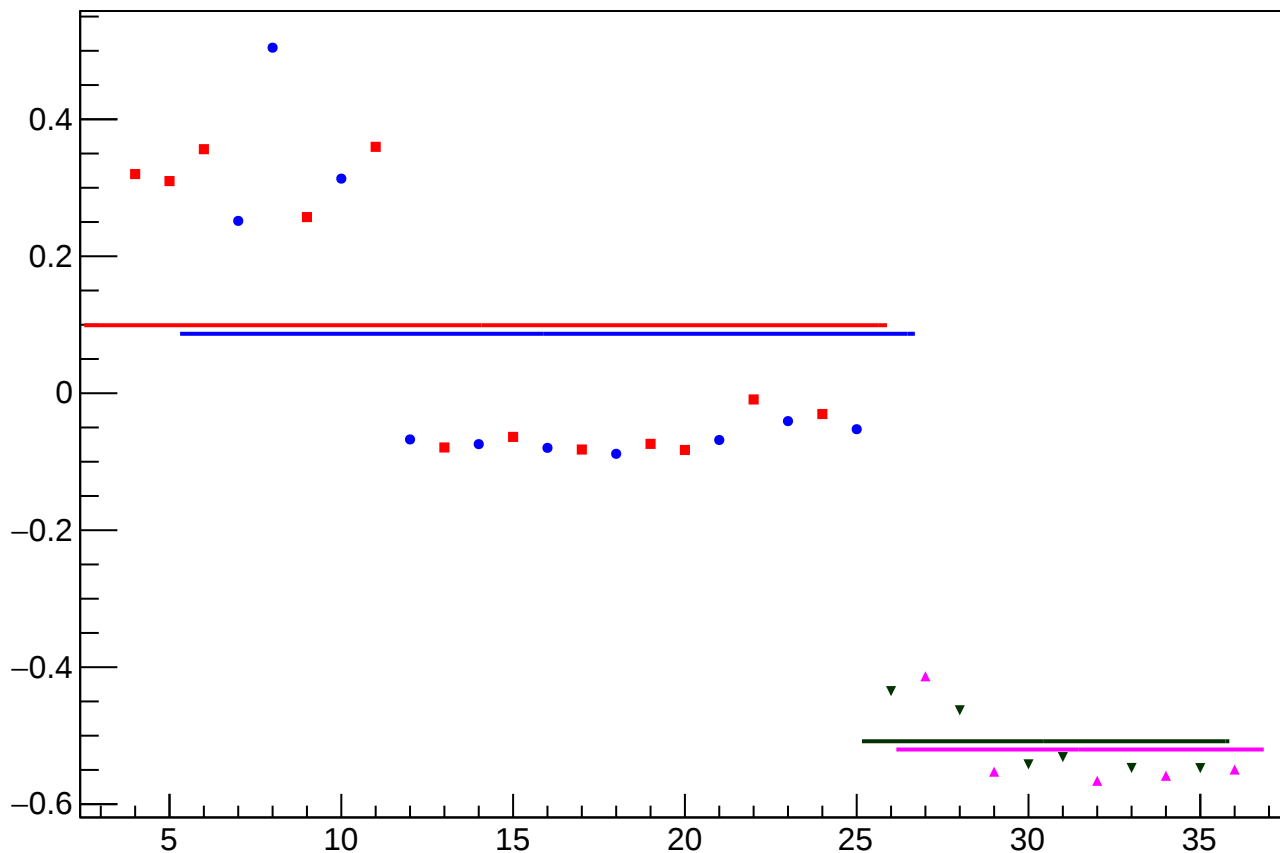
Right Out: 0.011+/-0.000 χ^2/NDF : 41113.0/11

Left In: 0.011+/-0.000 χ^2/NDF : 7848.5/4

0.011+/-0.000 χ^2/NDF : 51752.2/15

0.011+/-0.000 χ^2/NDF : 50382.5/16

yield_bpm0l04Y_mean vs slug



Right In: 0.087+/-0.000 χ^2/NDF : 6587794227.2/9

Left Out: -0.508+/-0.000 χ^2/NDF : 100695593.6/5

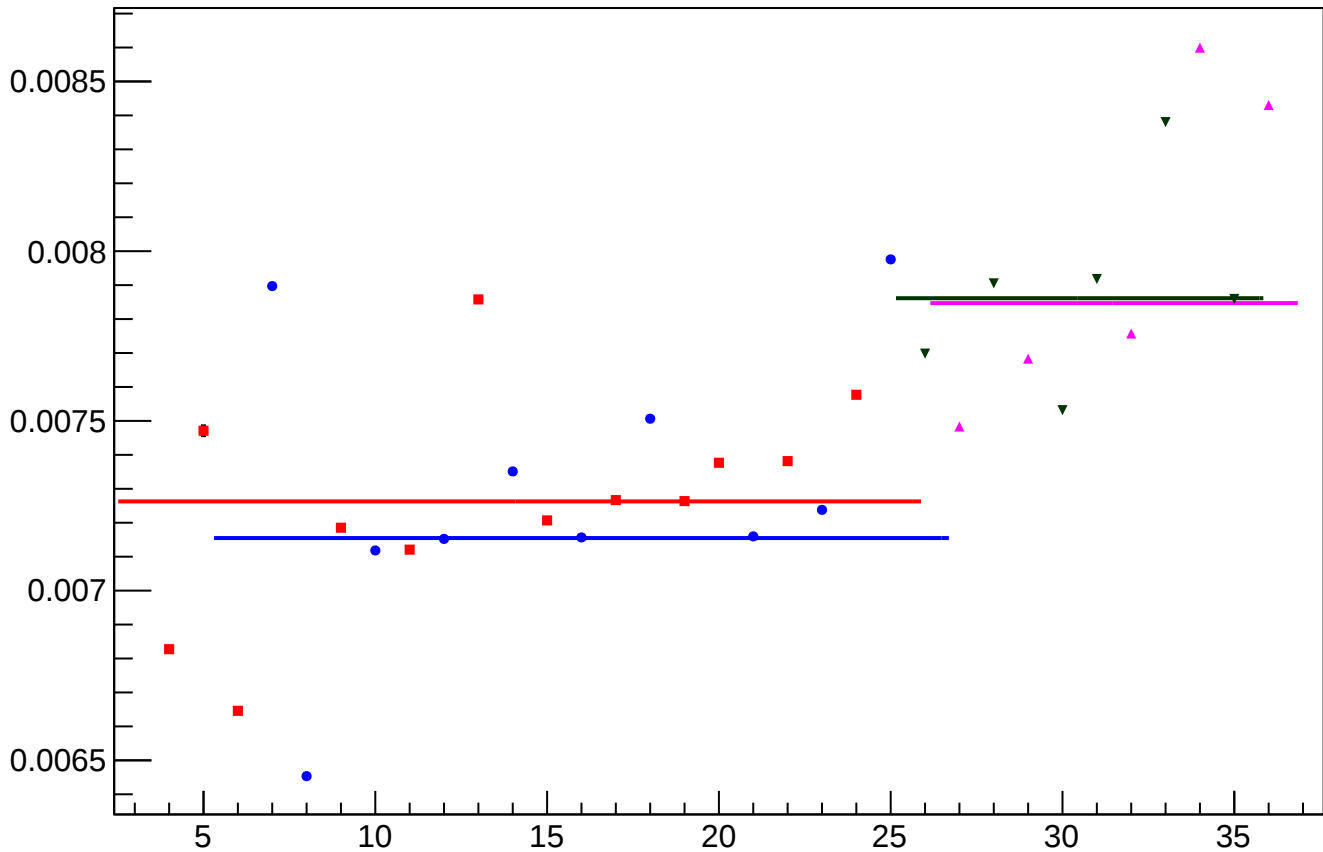
Right Out: 0.099+/-0.000 χ^2/NDF : 4238157293.7/11

Left In: -0.520+/-0.000 χ^2/NDF : 228604371.2/4

-0.081+/-0.000 χ^2/NDF : 18962656144.1/15

-0.104+/-0.000 χ^2/NDF : 19093963939.7/16

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 : 6334.1/5

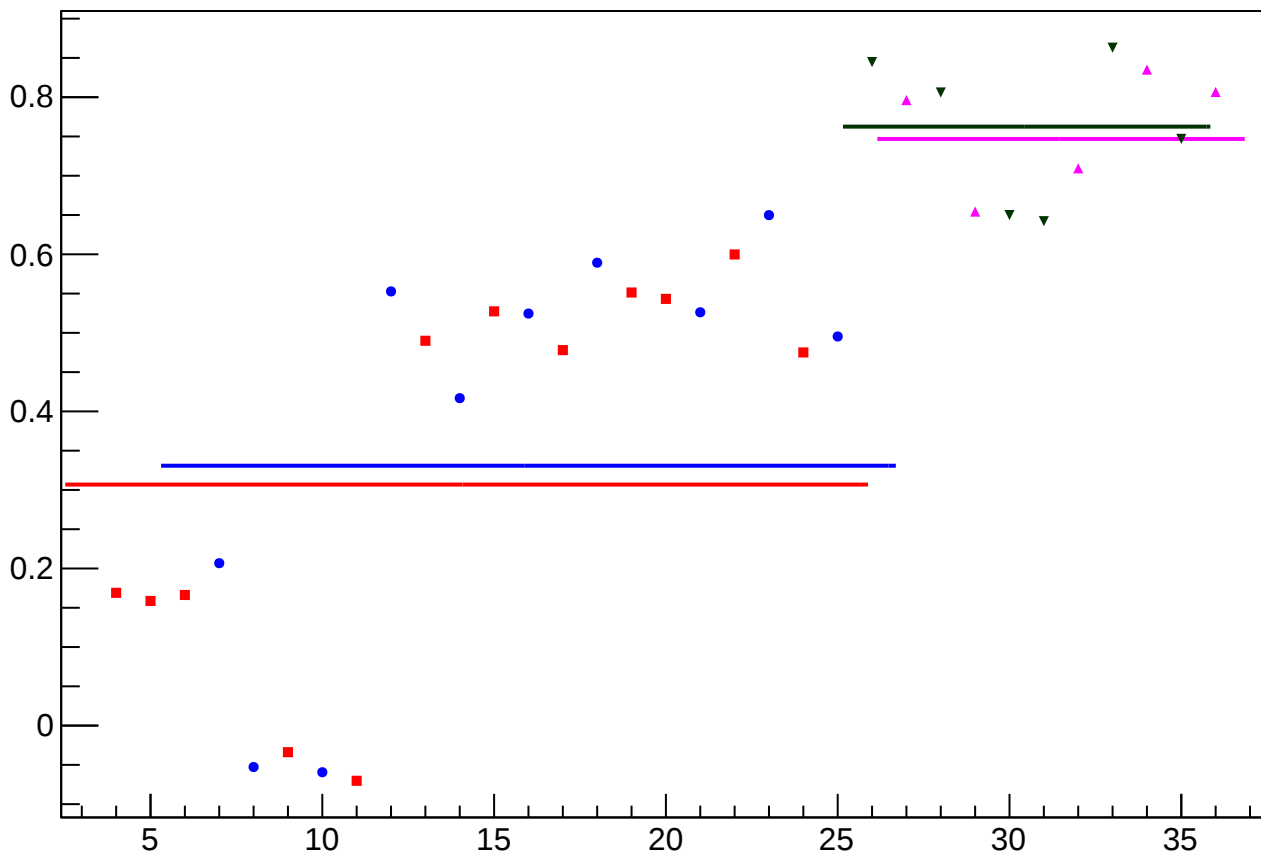
0.007+/-0.000 χ^2/NDF : 75969.9/15

Right Out: 0.007+/-0.000 χ^2/NDF : 25457.6/11

0.007+/-0.000 χ^2/NDF : 68478.1/16

Left In: 0.008+/-0.000 χ^2/NDF : 17002.6/4

yield_bpm0l05X_mean vs slug



Right In: 0.331 $\pm$ 0.000 χ^2 /NDF: 10288533334.9/9

Left Out: 0.763 $\pm$ 0.000 χ^2 /NDF: 474570762.1/5

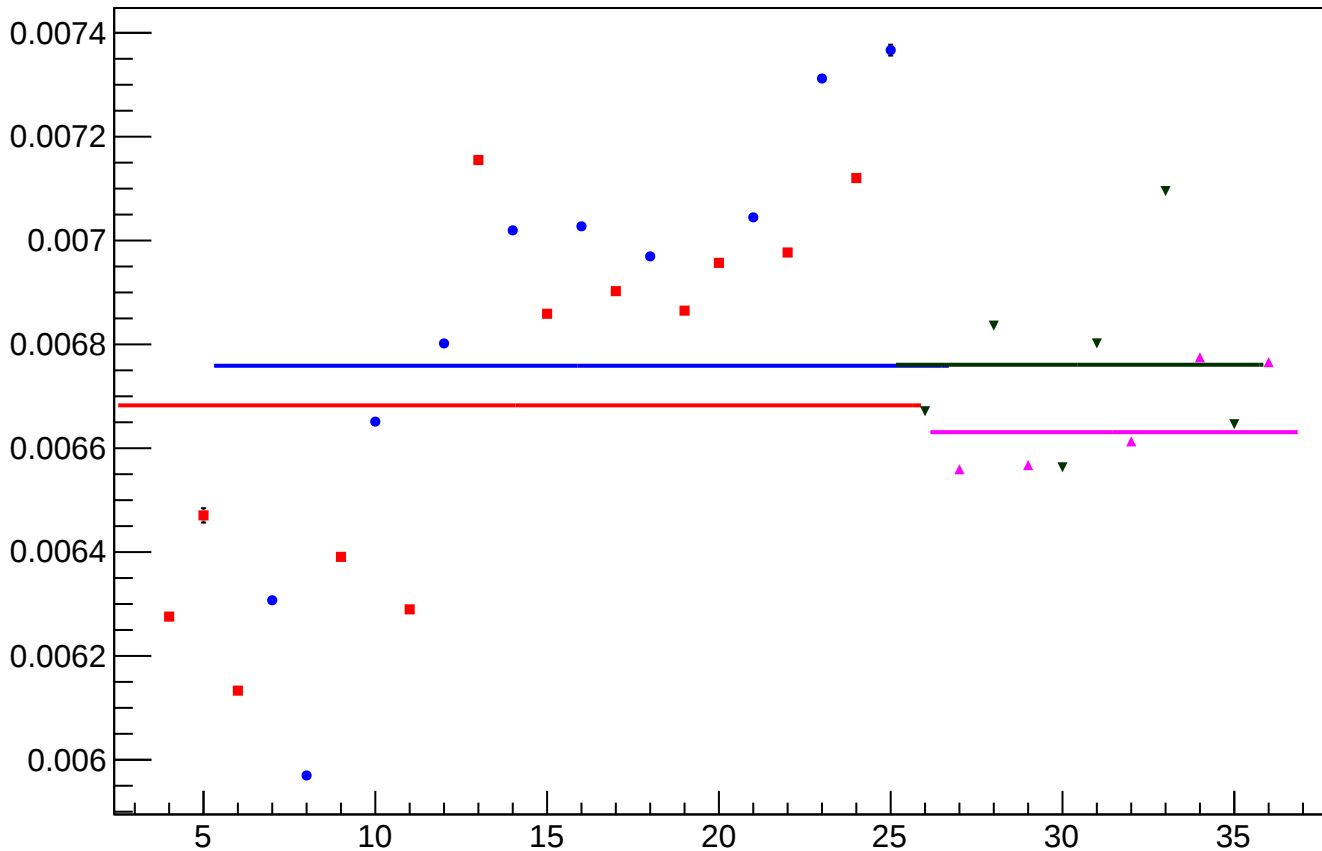
0.472 $\pm$ 0.000 χ^2 /NDF: 19167779419.0/15

Right Out: 0.307 $\pm$ 0.000 χ^2 /NDF: 8592627222.1/11

0.468 $\pm$ 0.000 χ^2 /NDF: 18805689677.8/16

Left In: 0.747 $\pm$ 0.000 χ^2 /NDF: 363463890.8/4

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 : 3866.4/5

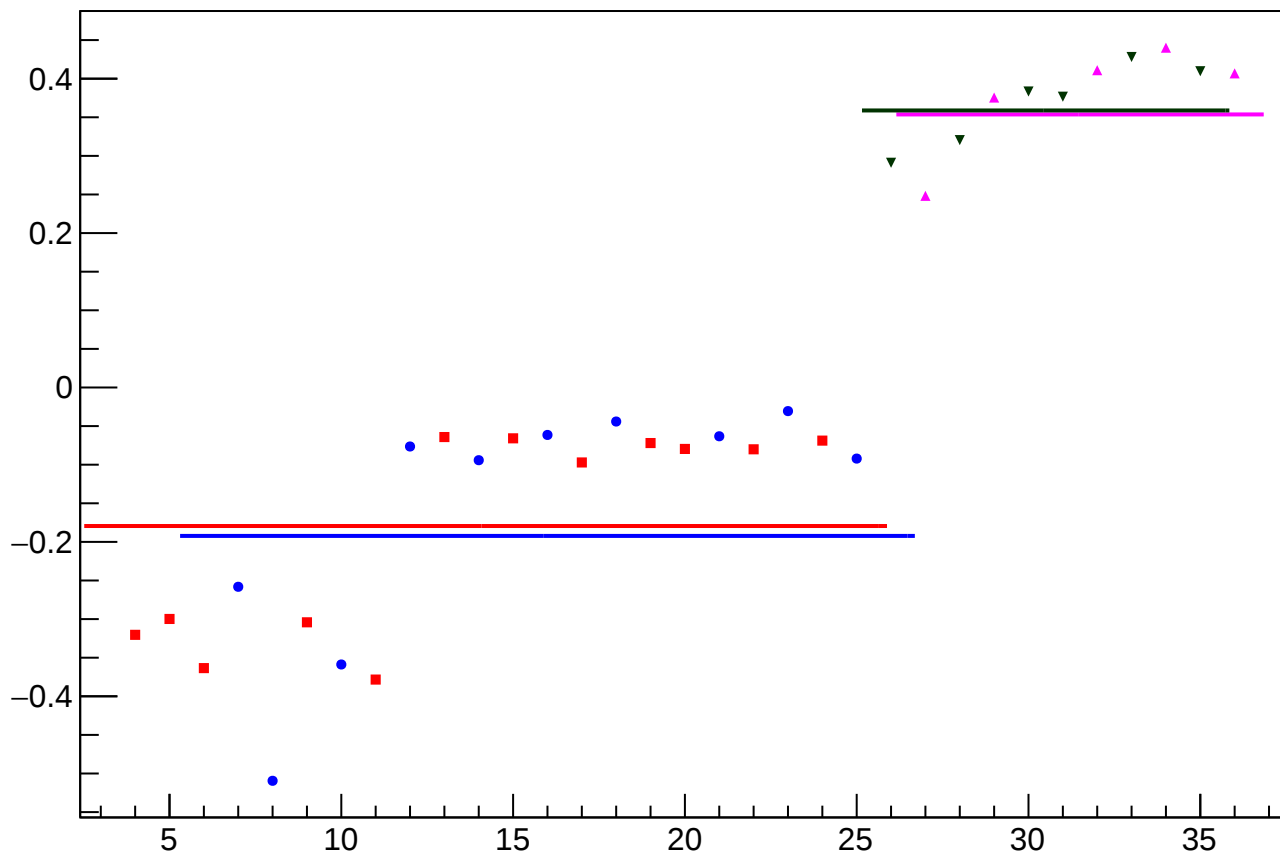
0.007+/-0.000 χ^2/NDF : 54967.1/15

Right Out: 0.007+/-0.000 χ^2/NDF : 37923.0/11

0.007+/-0.000 χ^2/NDF : 39393.5/16

Left In: 0.007+/-0.000 χ^2/NDF : 1199.6/4

yield_bpm0l05Y_mean vs slug



Right In: -0.192 $\pm$ 0.000 χ^2/NDF : 7520458731.7/9

Left Out: 0.359 $\pm$ 0.000 χ^2/NDF : 217674307.3/5

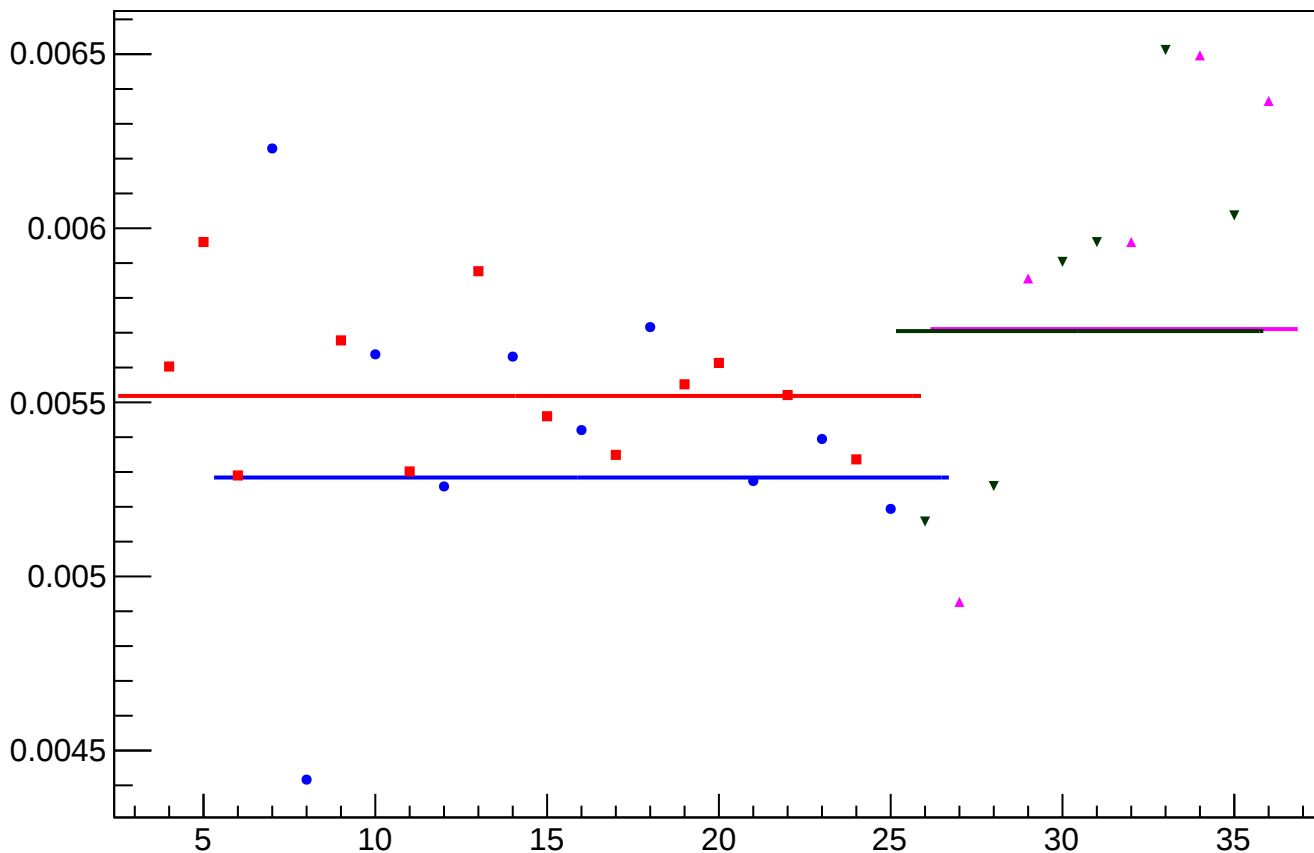
Right Out: -0.179 $\pm$ 0.000 χ^2/NDF : 3508774818.6/11

Left In: 0.354 $\pm$ 0.000 χ^2/NDF : 582595862.0/4

-0.033 $\pm$ 0.000 χ^2/NDF : 27188050499.7/15

0.005 $\pm$ 0.000 χ^2/NDF : 23666306239.7/16

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 : 39988.4/5

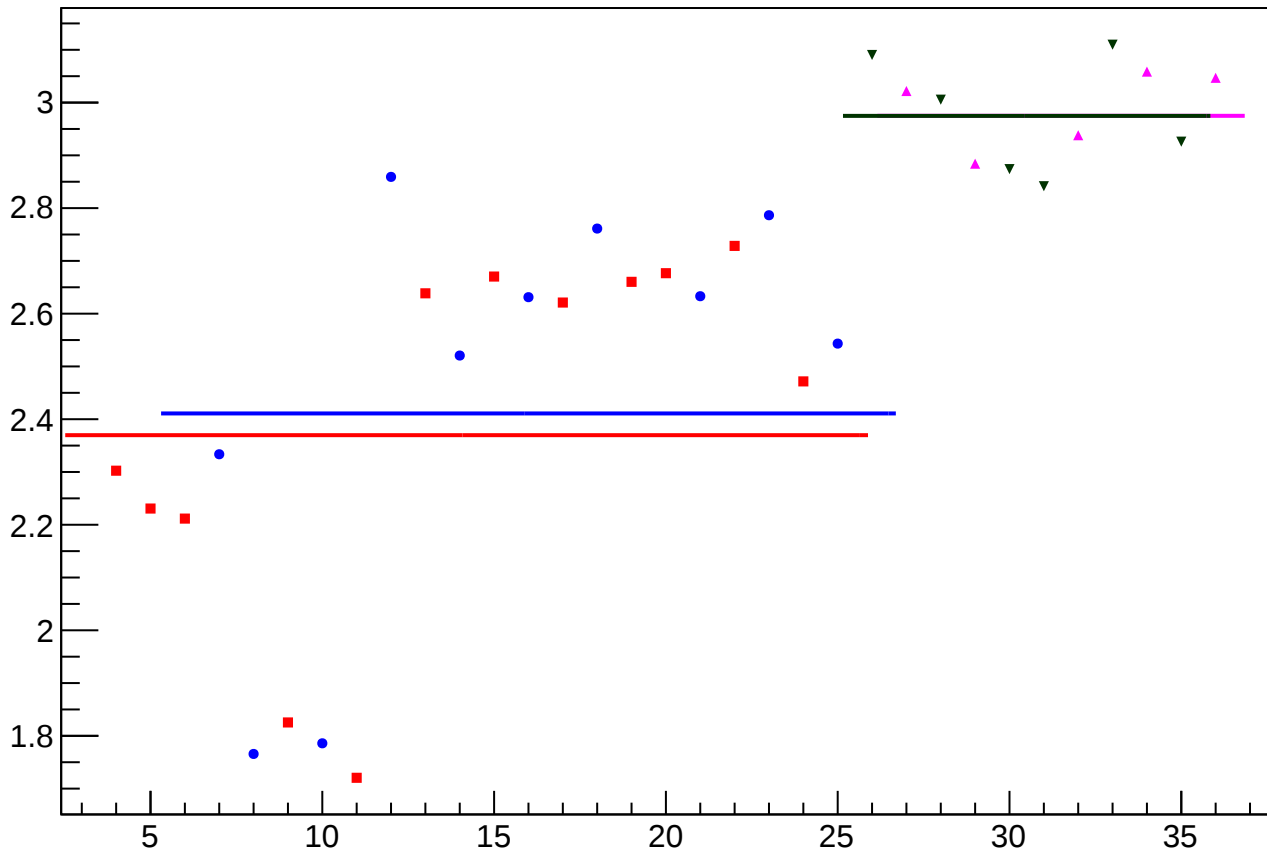
Right Out: 0.006+/-0.000 χ^2/NDF : 15882.5/11

Left In: 0.006+/-0.000 χ^2/NDF : 69415.8/4

0.005+/-0.000 χ^2/NDF : 163955.4/15

0.006+/-0.000 χ^2/NDF : 90377.0/16

yield_bpm0l06X_mean vs slug



Right In: 2.411+/-0.000 χ^2/NDF : 8288488350.8/9

Left Out: 2.975+/-0.000 χ^2/NDF : 316329782.7/5

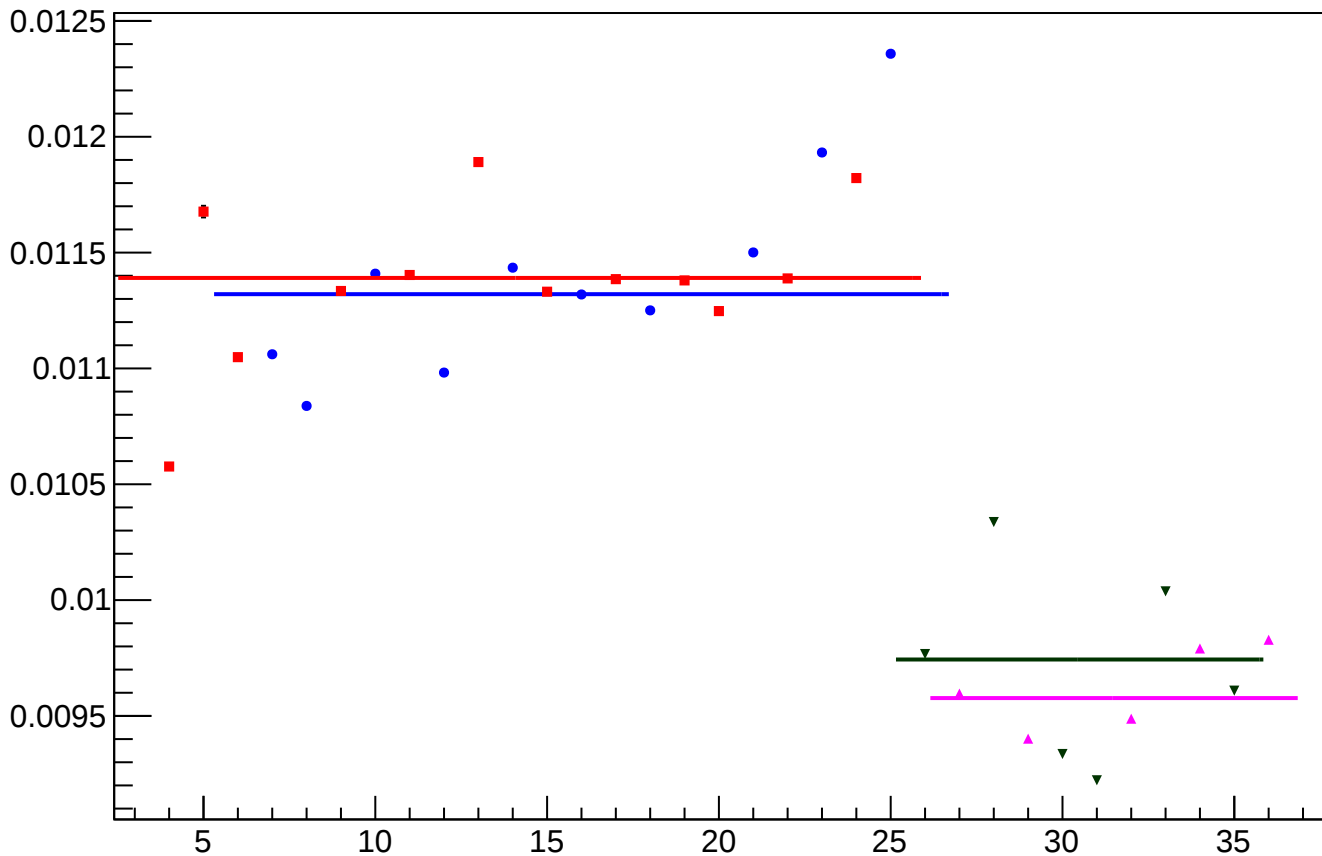
2.635+/-0.000 χ^2/NDF : 14846495212.5/15

Right Out: 2.370+/-0.000 χ^2/NDF : 6148614256.2/11

2.640+/-0.000 χ^2/NDF : 14125291824.4/16

Left In: 2.975+/-0.000 χ^2/NDF : 173778450.8/4

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 : 10052.5/5

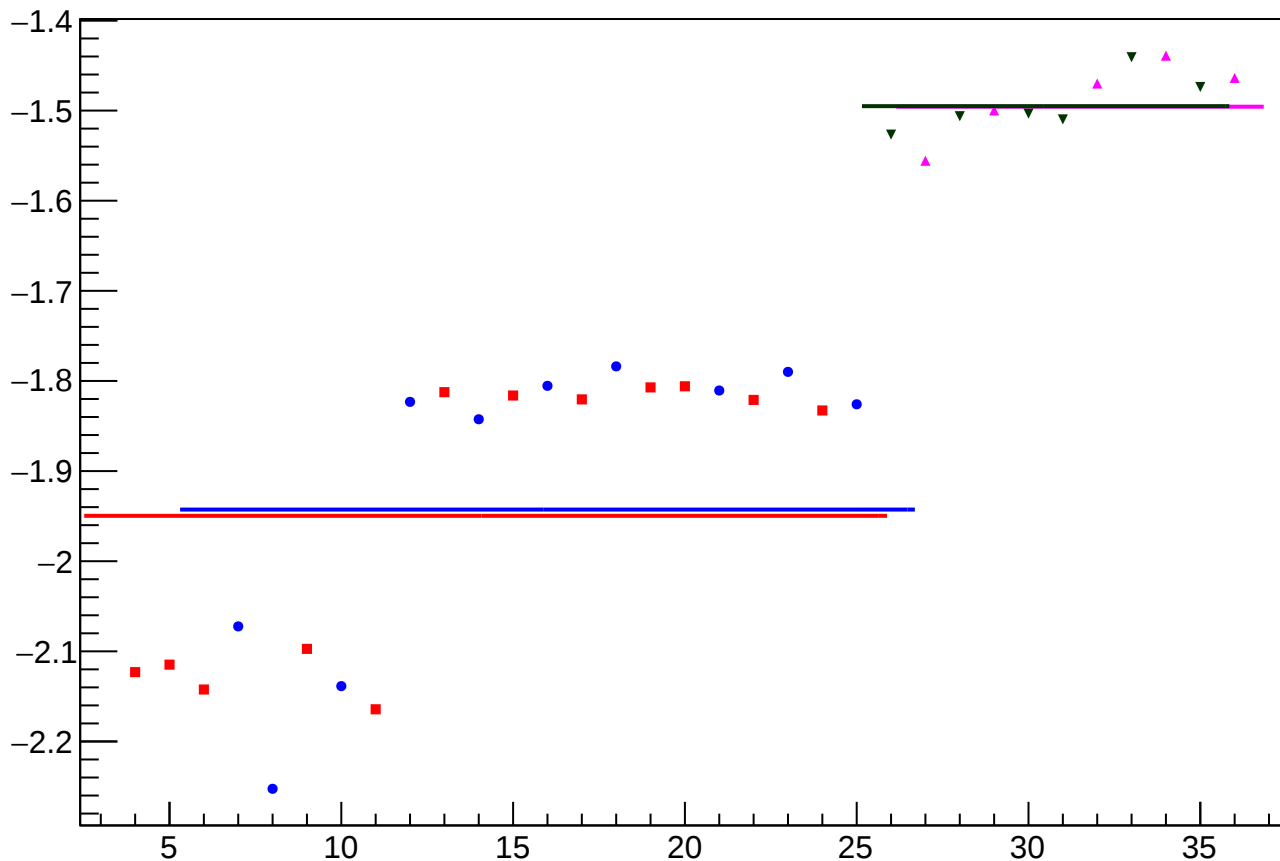
0.011+/-0.000 χ^2/NDF : 119358.1/15

Right Out: 0.011+/-0.000 χ^2/NDF : 10496.6/11

0.011+/-0.000 χ^2/NDF : 152503.9/16

Left In: 0.010+/-0.000 χ^2/NDF : 1847.4/4

yield_bpm0l06Y_mean vs slug



Right In: -1.943+/-0.000 χ^2/NDF : 9180562095.2/9

Left Out: -1.495+/-0.000 χ^2/NDF : 77026842.2/5

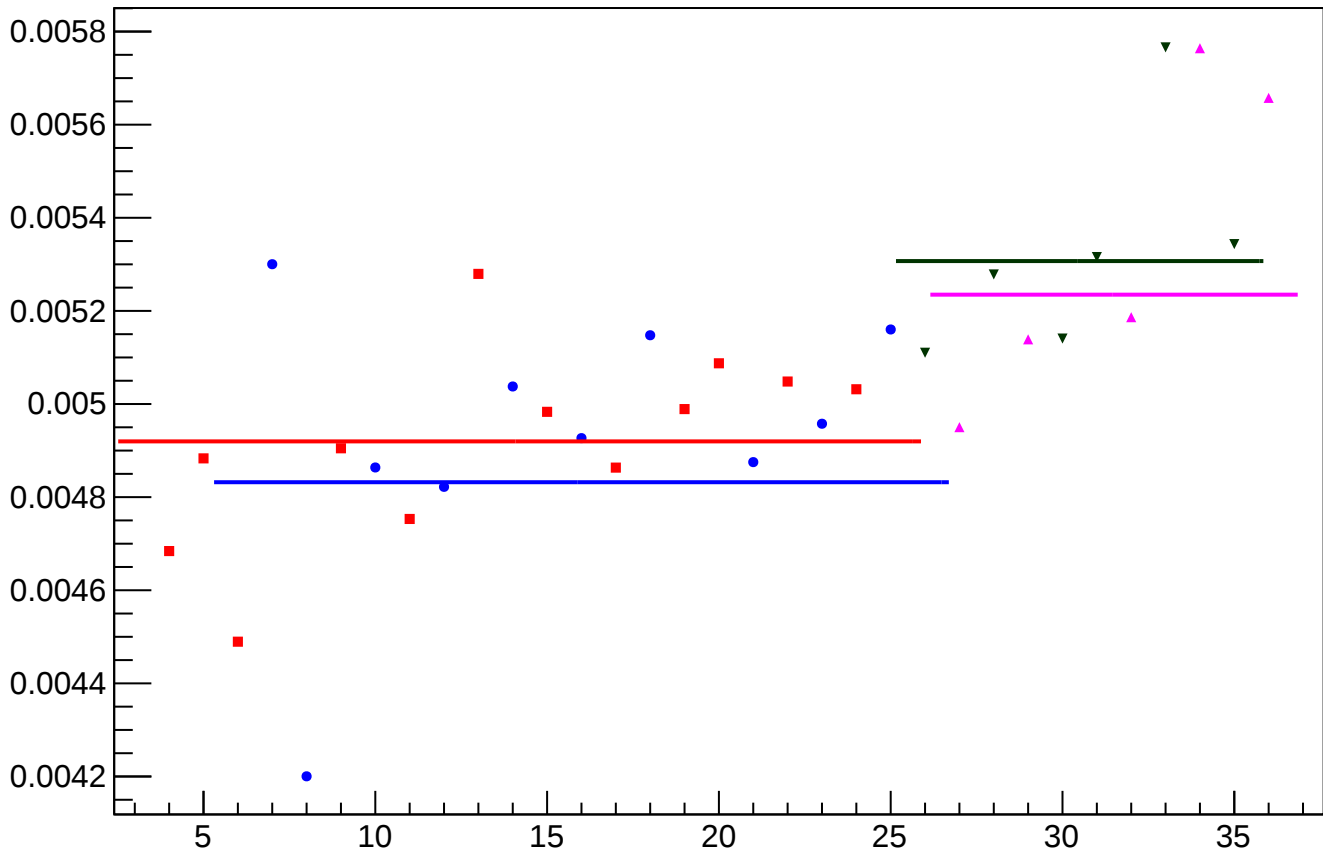
Right Out: -1.950+/-0.000 χ^2/NDF : 6176400274.4/11

Left In: -1.496+/-0.000 χ^2/NDF : 205397789.1/4

-1.816+/-0.000 χ^2/NDF : 24493207423.4/15

-1.798+/-0.000 χ^2/NDF : 23861370886.9/16

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 : 8868.6/5

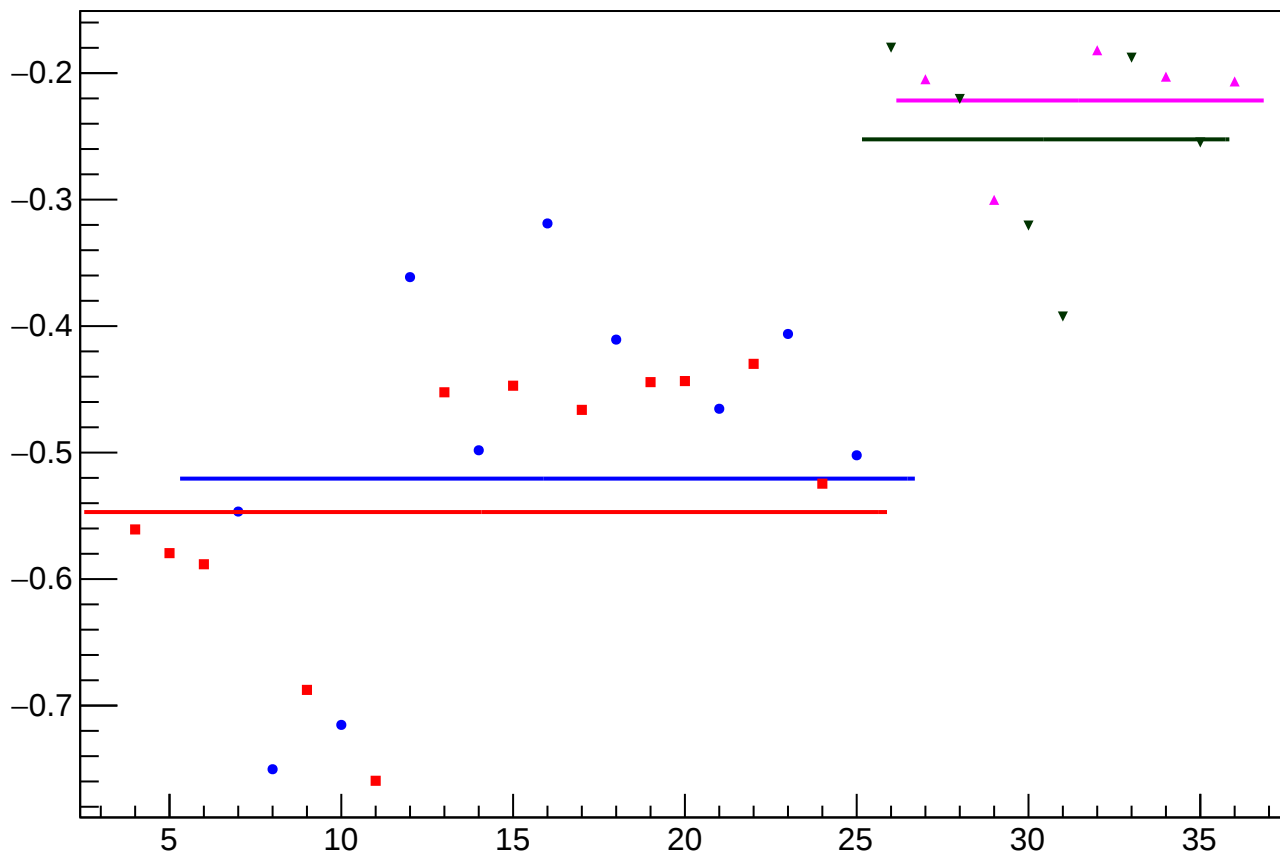
0.005+/-0.000 χ^2/NDF : 98428.3/15

Right Out: 0.005+/-0.000 χ^2/NDF : 23832.0/11

0.005+/-0.000 χ^2/NDF : 60498.5/16

Left In: 0.005+/-0.000 χ^2/NDF : 19817.8/4

yield_bpm0l07X_mean vs slug



Right In: -0.521+/-0.000 χ^2/NDF : 473408207.3/9

Left Out: -0.252+/-0.000 χ^2/NDF : 69555821.5/5

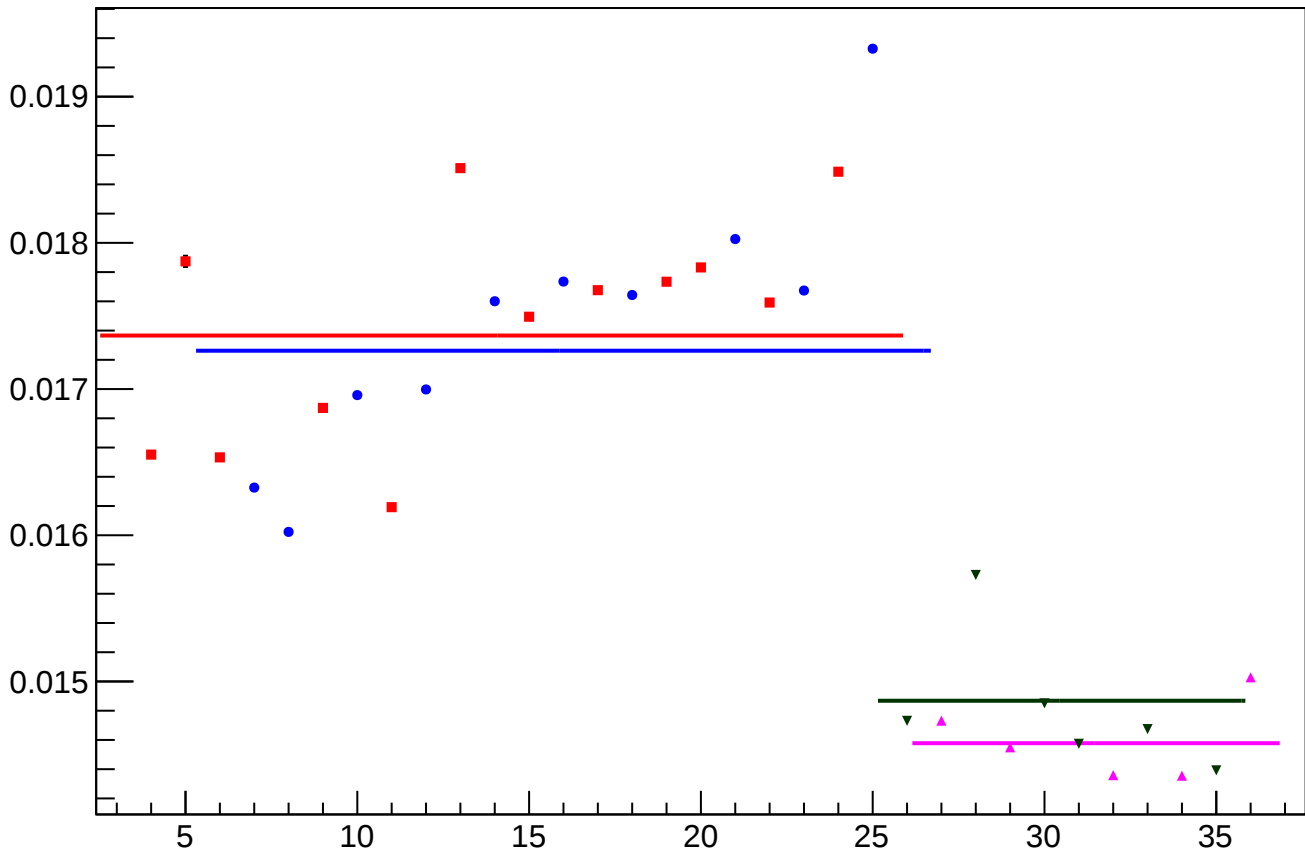
Right Out: -0.547+/-0.000 χ^2/NDF : 269735804.4/11

Left In: -0.222+/-0.000 χ^2/NDF : 33801574.5/4

-0.413+/-0.000 χ^2/NDF : 1154404827.3/15

-0.400+/-0.000 χ^2/NDF : 1277114945.9/16

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 :6001.4/5

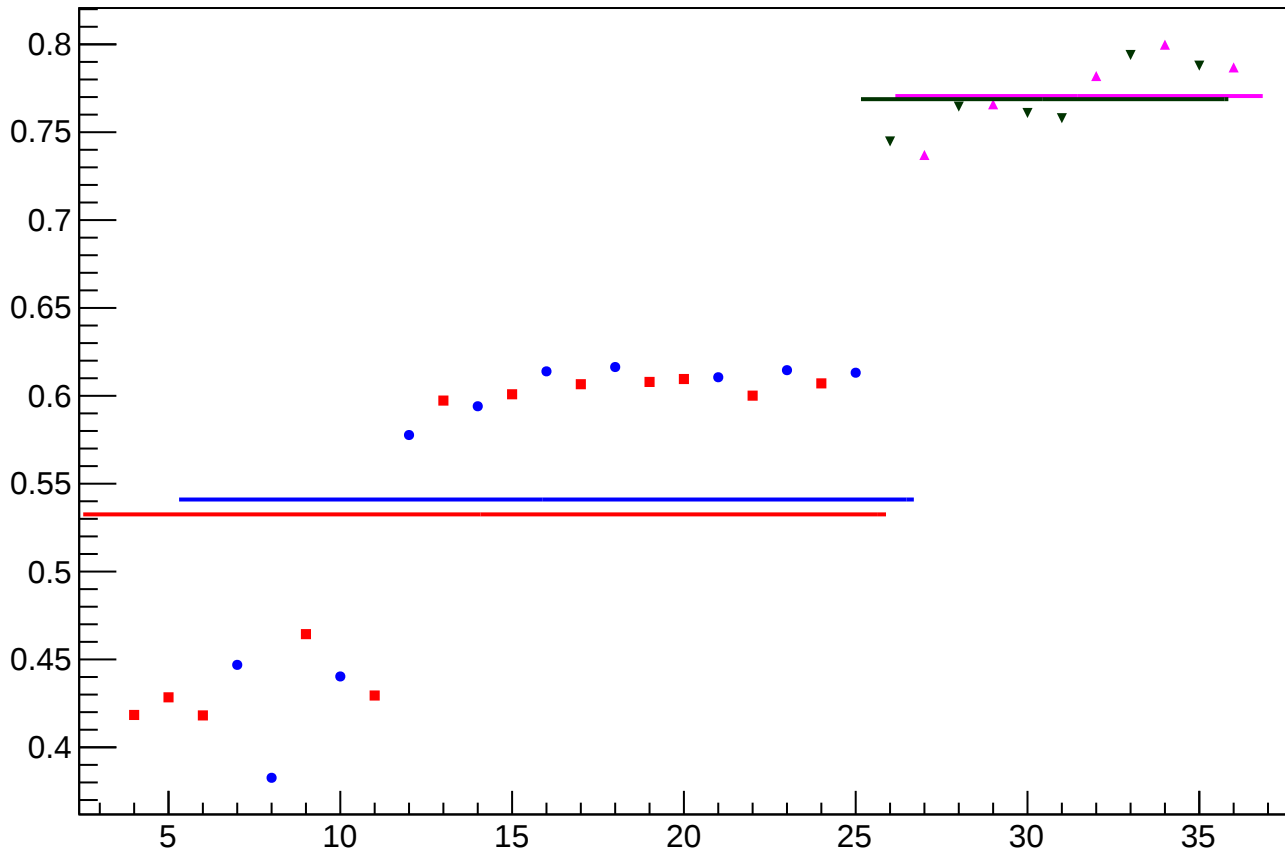
0.016+/-0.000 χ^2/NDF : 127571.3/15

Right Out: 0.017+/-0.000 χ^2/NDF : 25208.5/11

0.016+/-0.000 χ^2/NDF : 169926.8/16

Left In: 0.015+/-0.000 χ^2/NDF :1716.6/4

yield_bpm0l07Y_mean vs slug



Right In: 0.541 $\pm$ 0.000 χ^2 /NDF: 5869404533.9/9

Left Out: 0.769 $\pm$ 0.000 χ^2 /NDF: 79730294.0/5

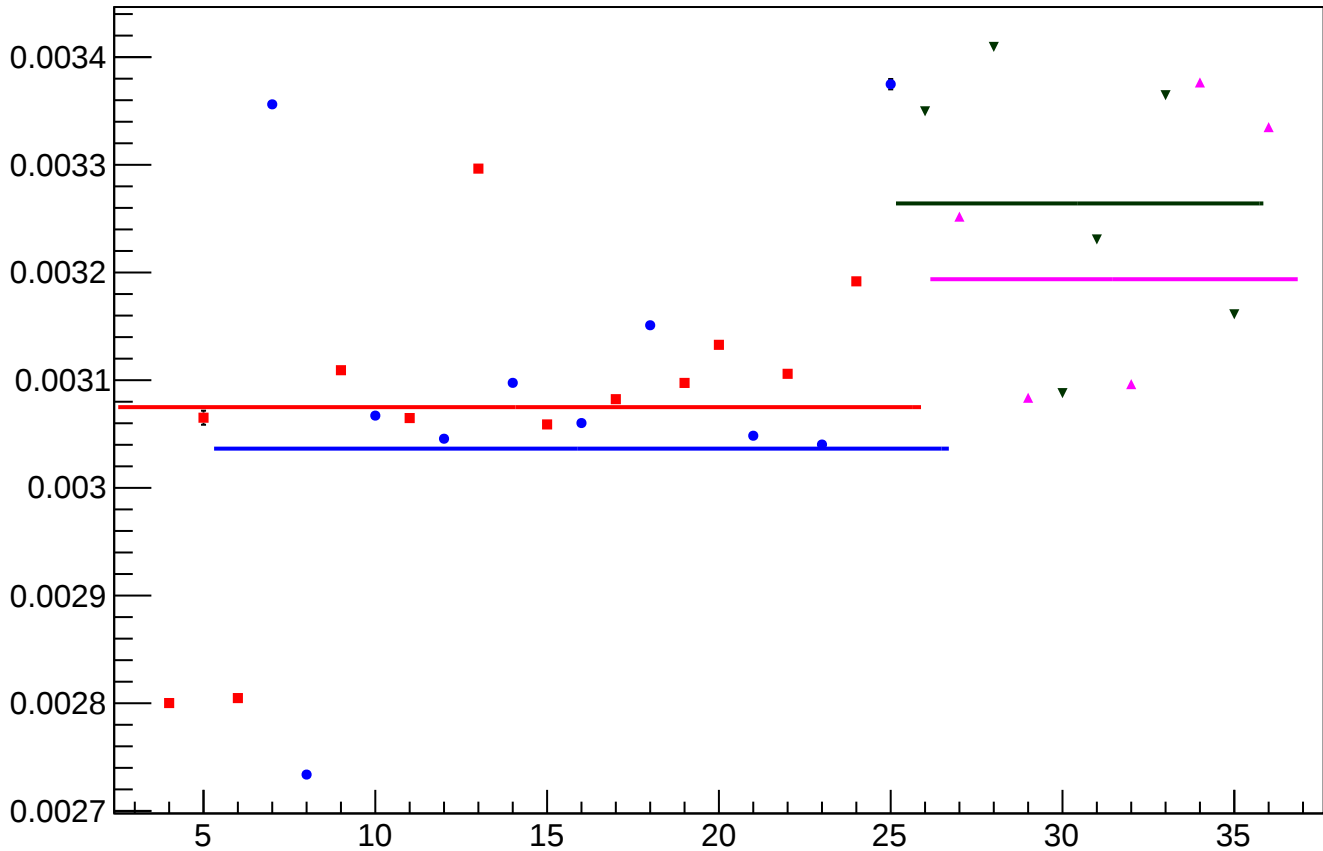
0.608 $\pm$ 0.000 χ^2 /NDF: 16328976544.1/15

Right Out: 0.533 $\pm$ 0.000 χ^2 /NDF: 4611310317.7/11

0.615 $\pm$ 0.000 χ^2 /NDF: 17524105070.3/16

Left In: 0.771 $\pm$ 0.000 χ^2 /NDF: 149690047.4/4

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 :8445.3/5

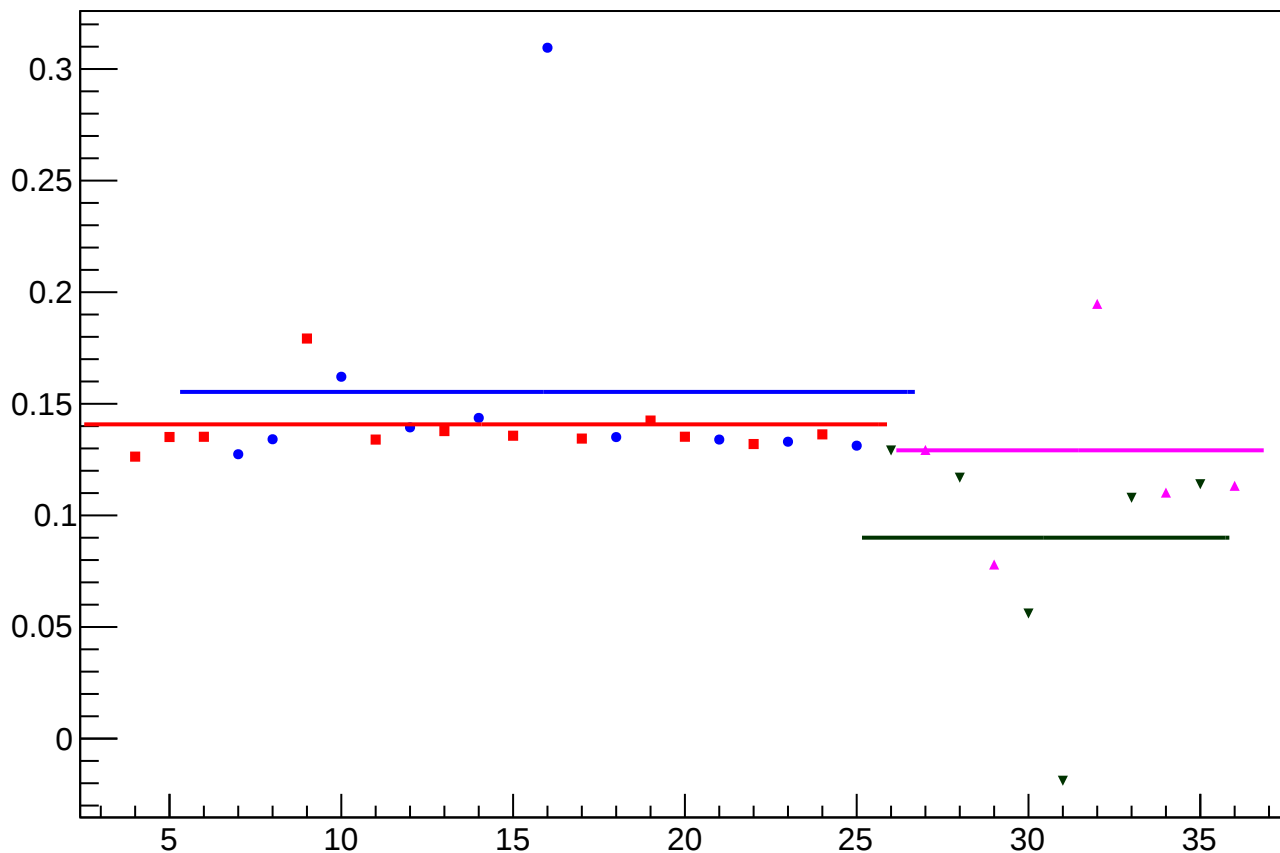
0.003+/-0.000 χ^2/NDF : 63054.7/15

Right Out: 0.003+/-0.000 χ^2/NDF : 27152.3/11

0.003+/-0.000 χ^2/NDF : 42539.7/16

Left In: 0.003+/-0.000 χ^2/NDF :9030.1/4

yield_bpm0l08X_mean vs slug



Right In: 0.155+/-0.000 χ^2/NDF : 60529861.8/9

Left Out: 0.090+/-0.000 χ^2/NDF : 35873374.0/5

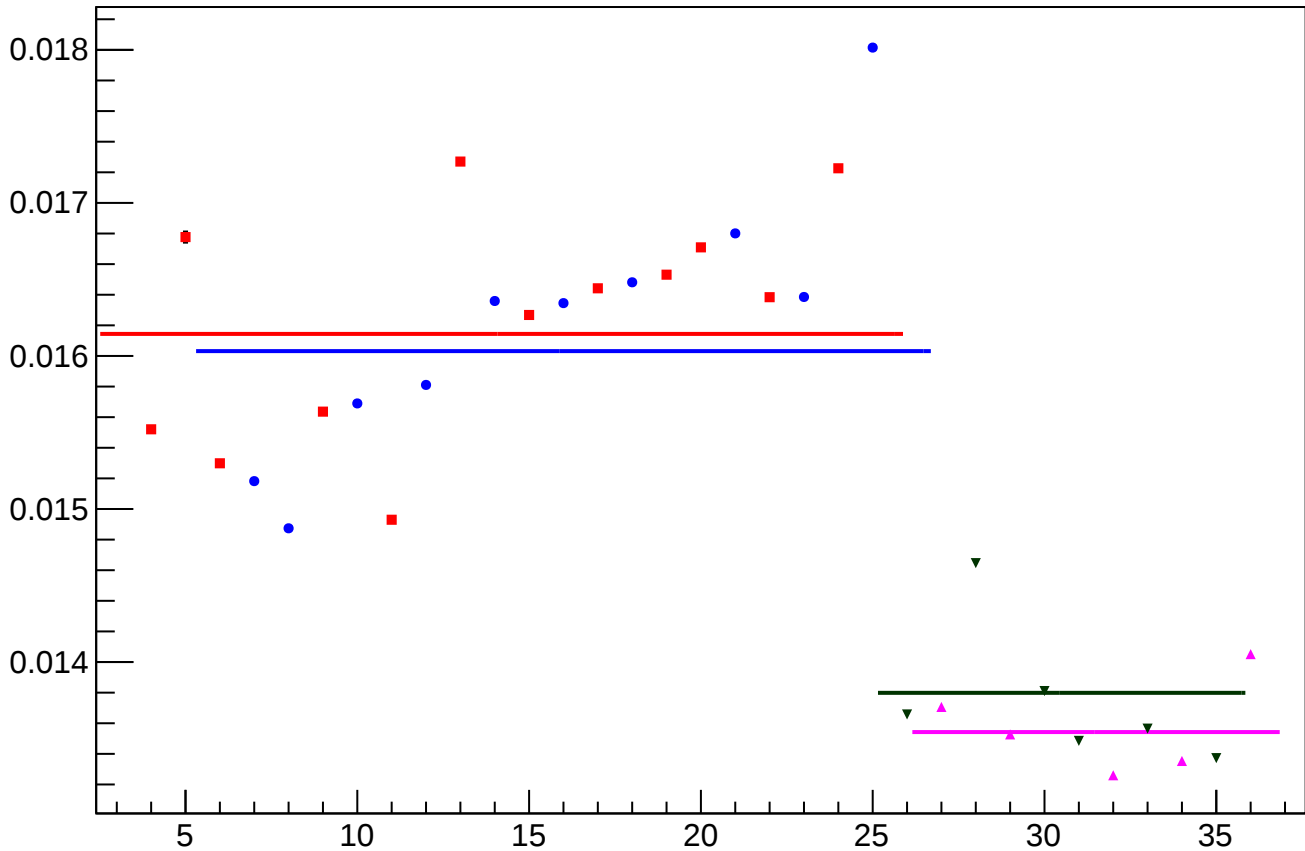
Right Out: 0.141+/-0.000 χ^2/NDF : 5462429.5/11

Left In: 0.129+/-0.000 χ^2/NDF : 35197610.2/4

0.129+/-0.000 χ^2/NDF : 138435505.1/15

0.136+/-0.000 χ^2/NDF : 42098884.4/16

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 : 6683.1/5

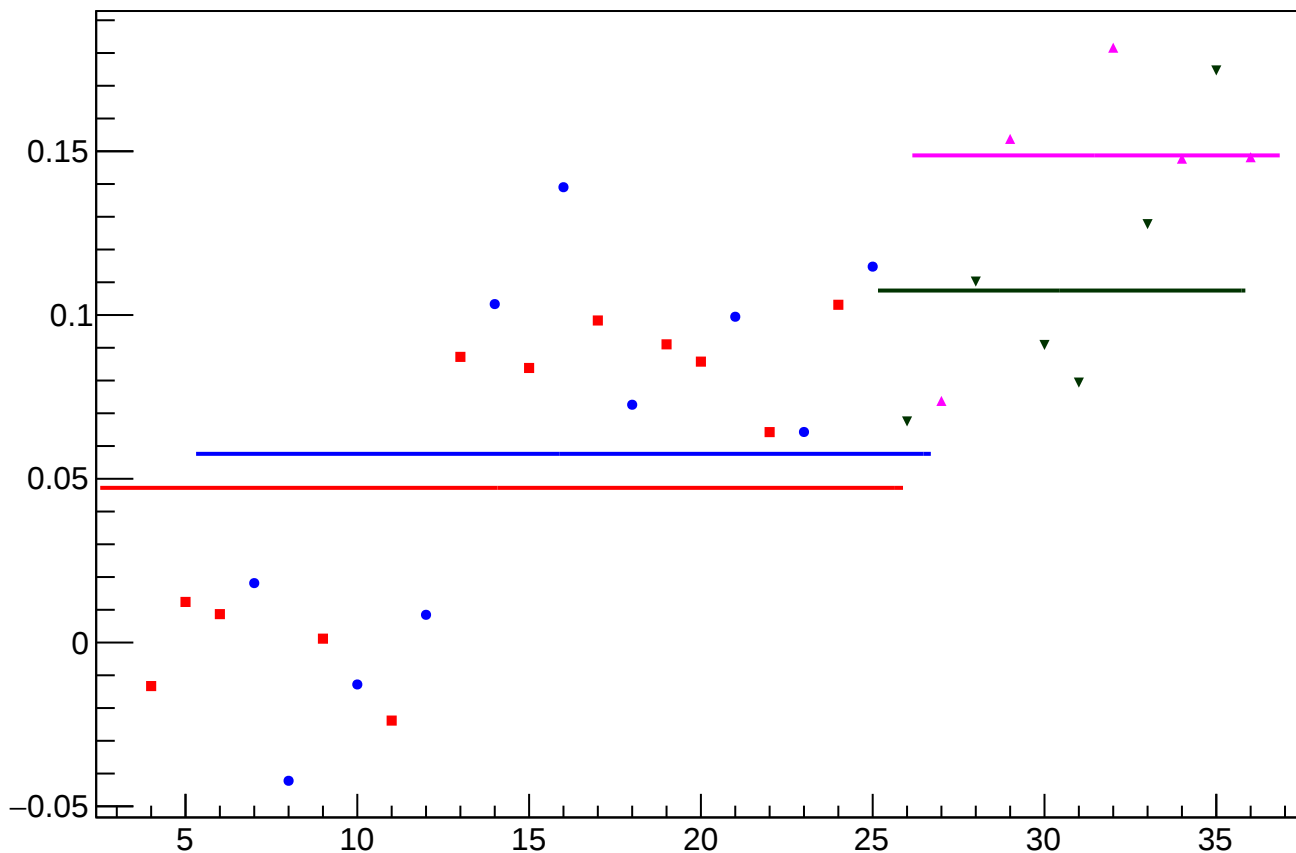
0.015+/-0.000 χ^2/NDF : 130019.5/15

Right Out: 0.016+/-0.000 χ^2/NDF : 28739.5/11

0.015+/-0.000 χ^2/NDF : 175078.6/16

Left In: 0.014+/-0.000 χ^2/NDF : 2526.1/4

yield_bpm0l08Y_mean vs slug



Right In: 0.058 $\pm$ 0.000 χ^2/NDF : 2106835310.3/9

Left Out: 0.107 $\pm$ 0.000 χ^2/NDF : 316728693.6/5

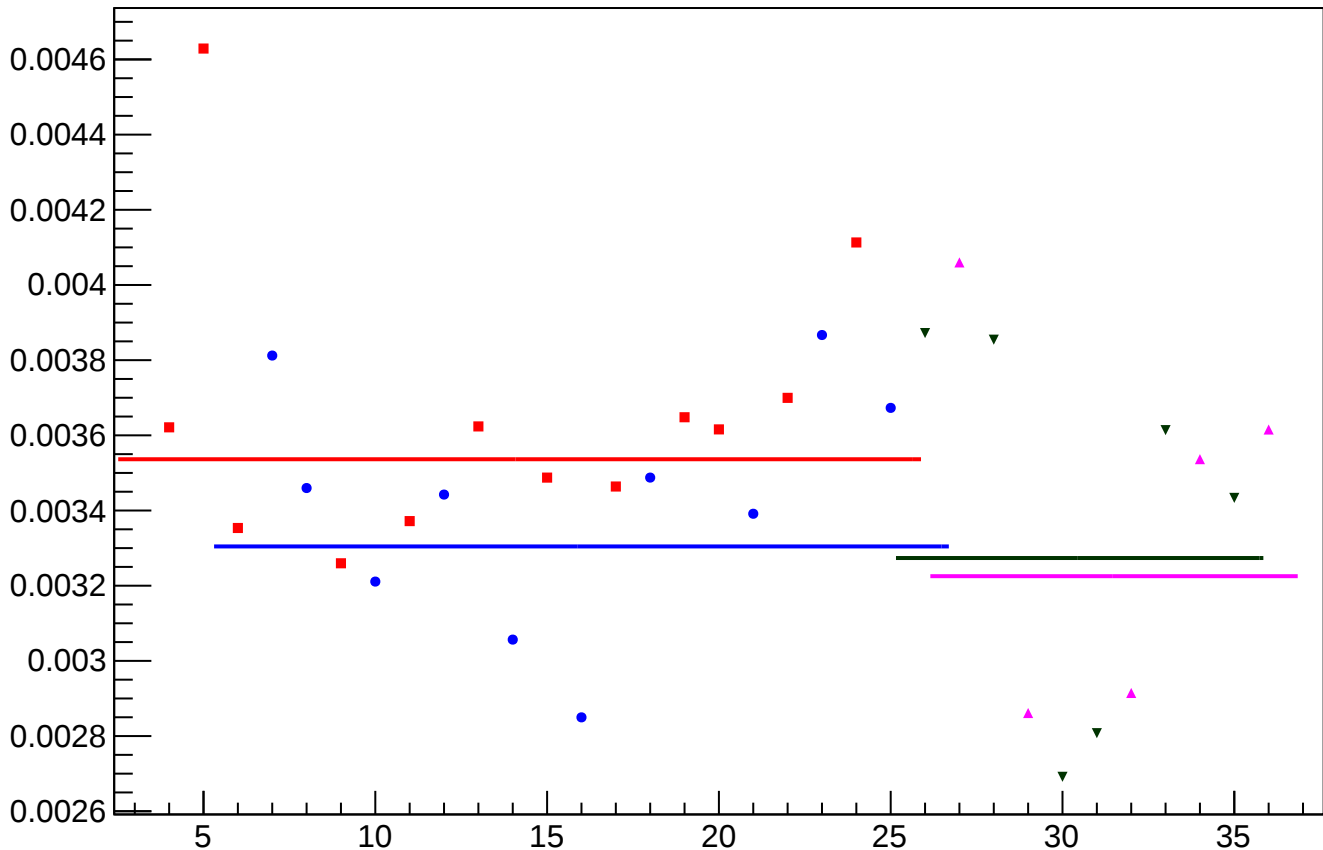
Right Out: 0.047 $\pm$ 0.000 χ^2/NDF : 1076949152.4/11

Left In: 0.149 $\pm$ 0.000 χ^2/NDF : 391934898.8/4

0.074 $\pm$ 0.000 χ^2/NDF : 2877414544.6/15

0.089 $\pm$ 0.000 χ^2/NDF : 3460638469.6/16

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 :130315.0/5

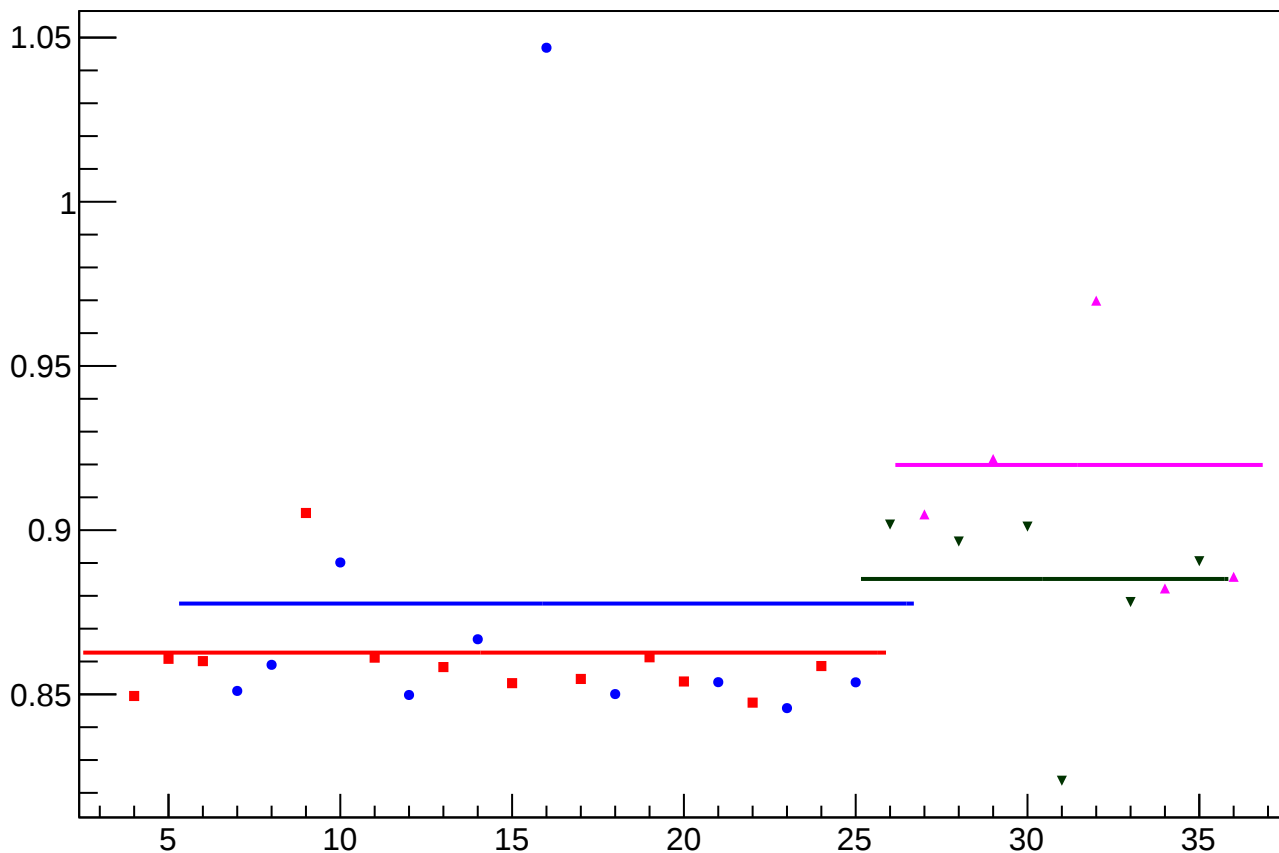
0.003+/-0.000 χ^2/NDF : 219565.1/15

Right Out: 0.004+/-0.000 χ^2/NDF : 54073.0/11

0.003+/-0.000 χ^2/NDF : 225929.6/16

Left In: 0.003+/-0.000 χ^2/NDF :134442.7/4

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 :9998907.3/5

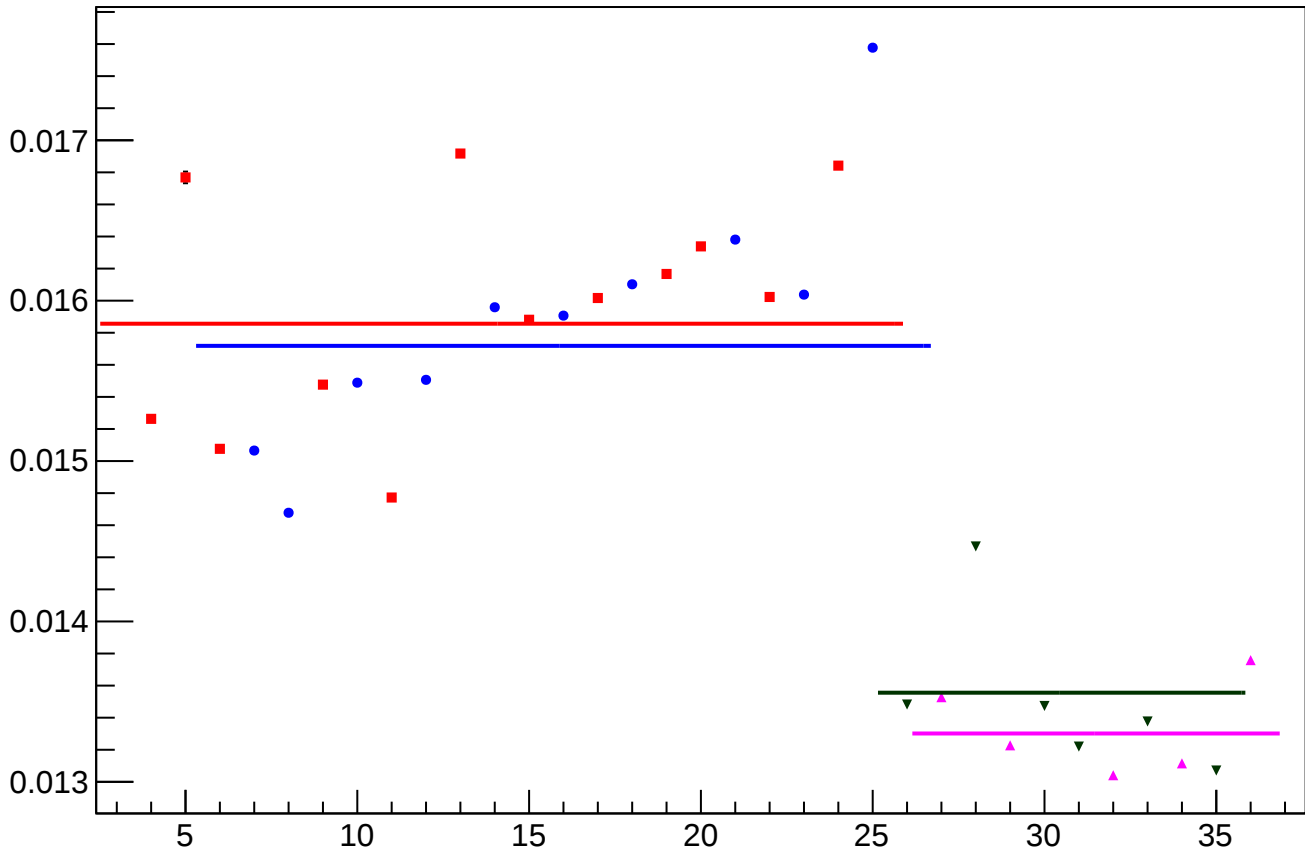
0.881+/-0.000 χ^2/NDF : 89137051.2/15

Right Out: 0.863+/-0.000 χ^2/NDF : 6919011.1/11

0.889+/-0.000 χ^2/NDF : 63926662.7/16

Left In: 0.920+/-0.000 χ^2/NDF :21071872.9/4

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 : 7837.9/5

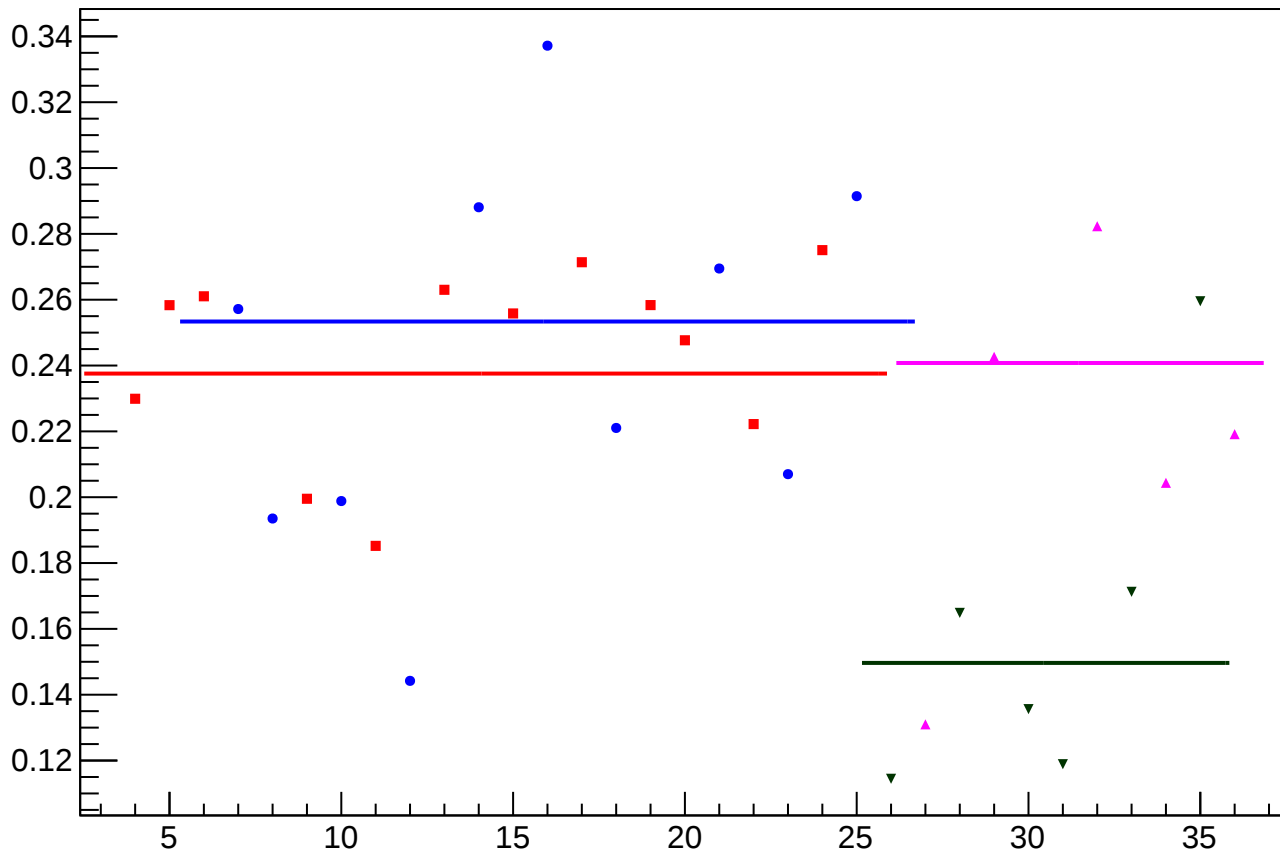
0.015+/-0.000 χ^2/NDF : 123496.3/15

Right Out: 0.016+/-0.000 χ^2/NDF : 24366.1/11

0.015+/-0.000 χ^2/NDF : 170521.2/16

Left In: 0.013+/-0.000 χ^2/NDF : 2509.8/4

yield_bpm0l09Y_mean vs slug



Right In: 0.253+/-0.000 χ^2/NDF : 1609781231.1/9

Left Out: 0.150+/-0.000 χ^2/NDF : 460617746.6/5

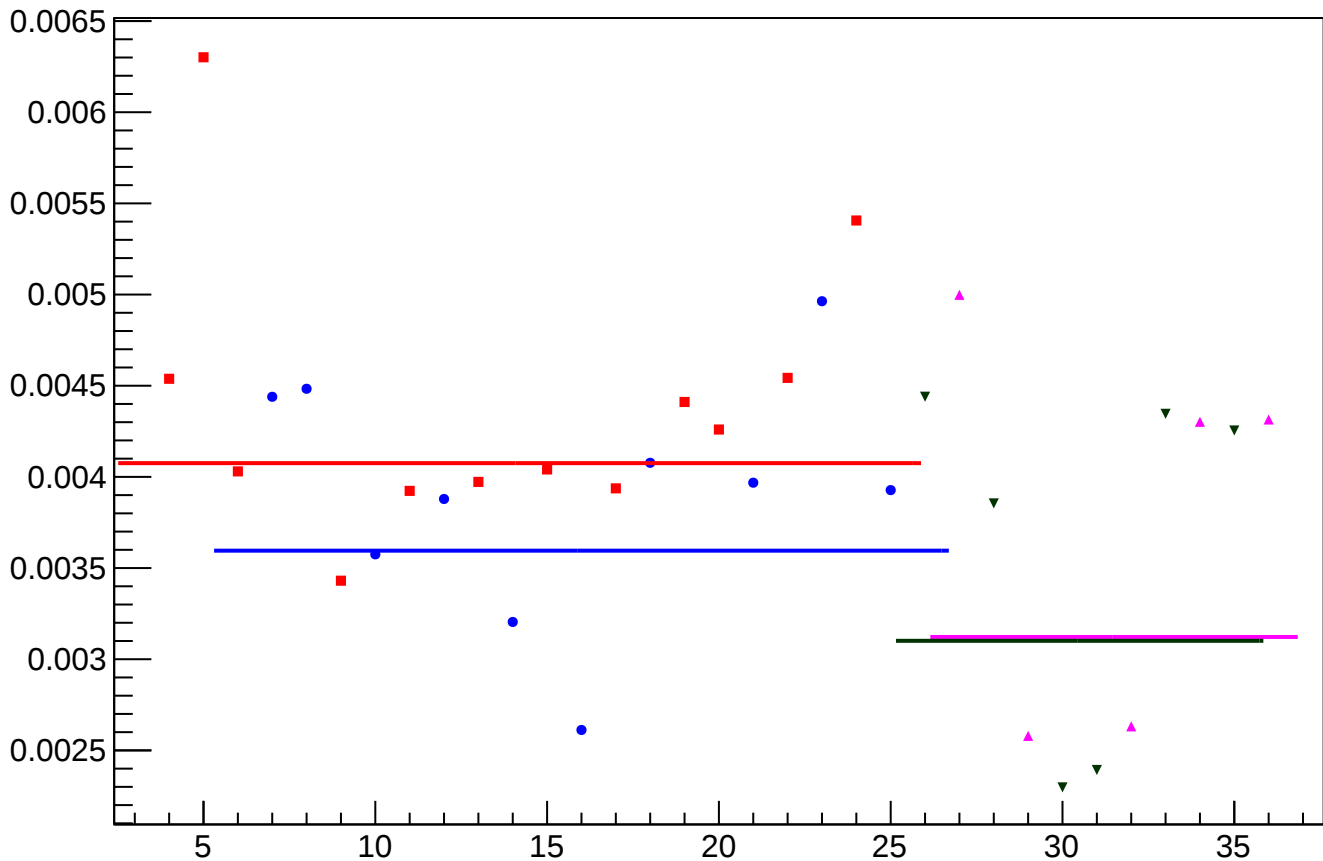
Right Out: 0.238+/-0.000 χ^2/NDF : 338609573.2/11

Left In: 0.241+/-0.000 χ^2/NDF : 633308353.0/4

0.214+/-0.000 χ^2/NDF : 3912255089.8/15

0.239+/-0.000 χ^2/NDF : 973618887.7/16

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 : 467584.9/5

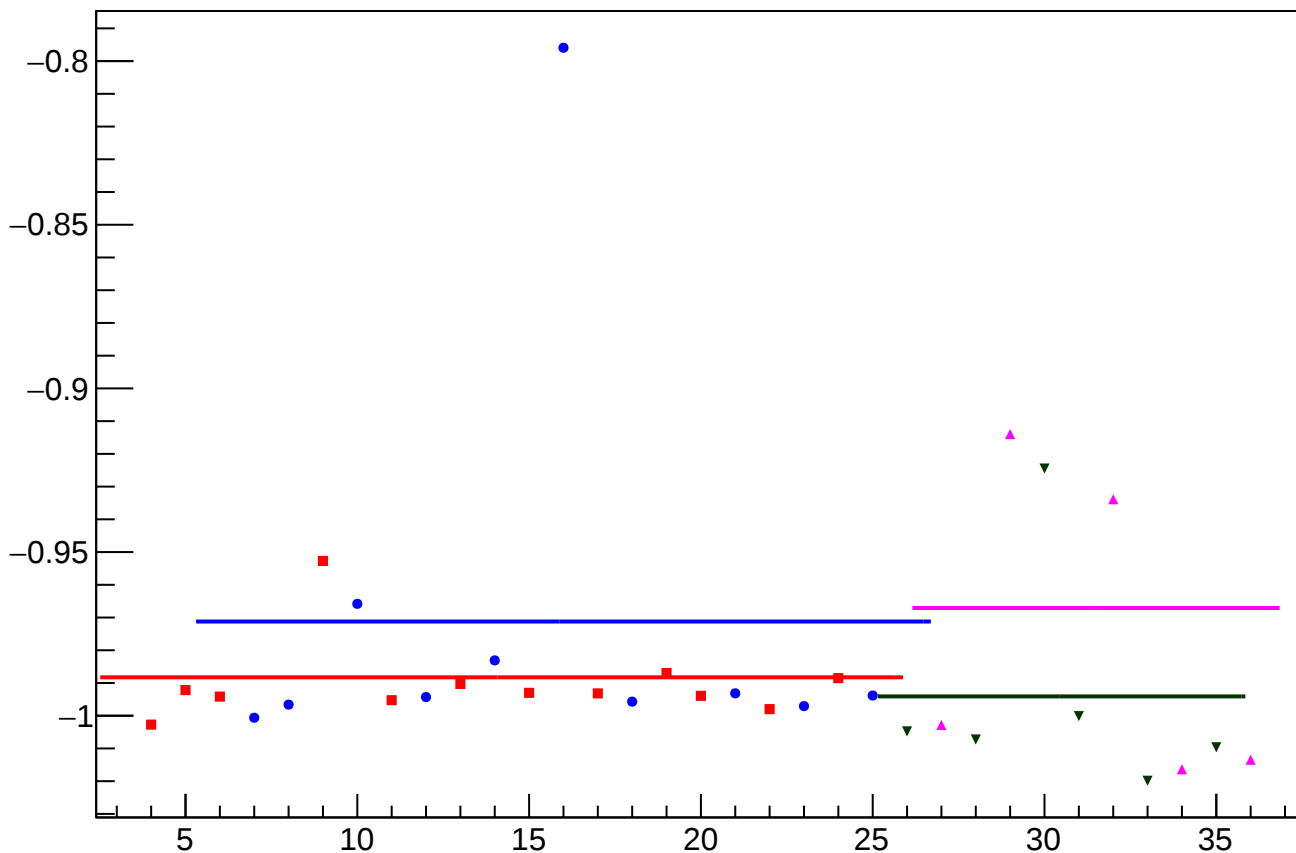
Right Out: 0.004+/-0.000 χ^2/NDF : 164404.0/11

Left In: 0.003+/-0.000 χ^2/NDF : 492578.4/4

0.003+/-0.000 χ^2/NDF : 942039.4/15

0.004+/-0.000 χ^2/NDF : 955385.8/16

yield_bpm0l10X_mean vs slug



Right In: -0.971+/-0.000 χ^2/NDF : 89914110.4/9

Left Out: -0.994+/-0.000 χ^2/NDF : 19117265.2/5

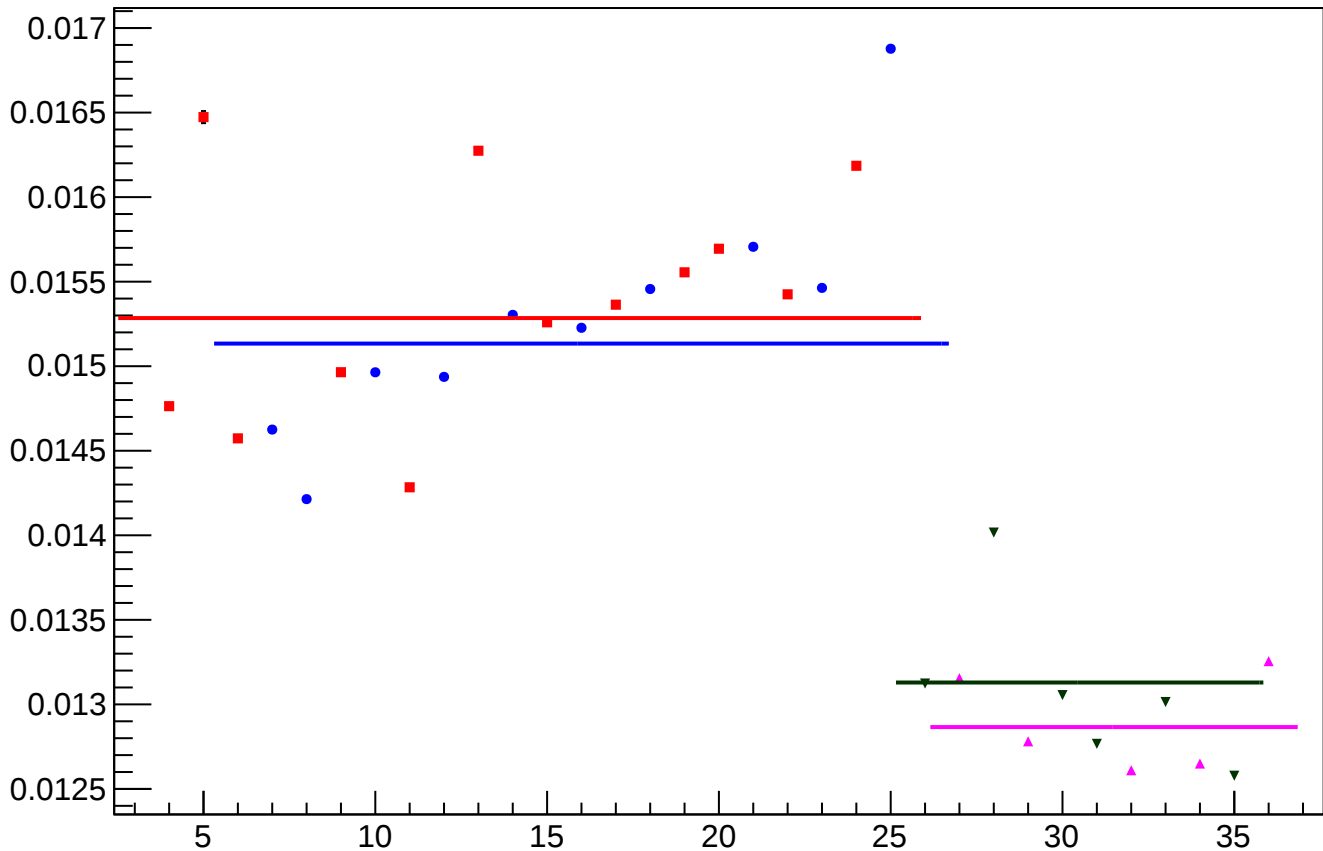
Right Out: -0.988+/-0.000 χ^2/NDF : 5195068.8/11

Left In: -0.967+/-0.000 χ^2/NDF : 40419733.2/4

-0.980+/-0.000 χ^2/NDF : 114745026.4/15

-0.979+/-0.000 χ^2/NDF : 50891410.5/16

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 : 8371.2/5

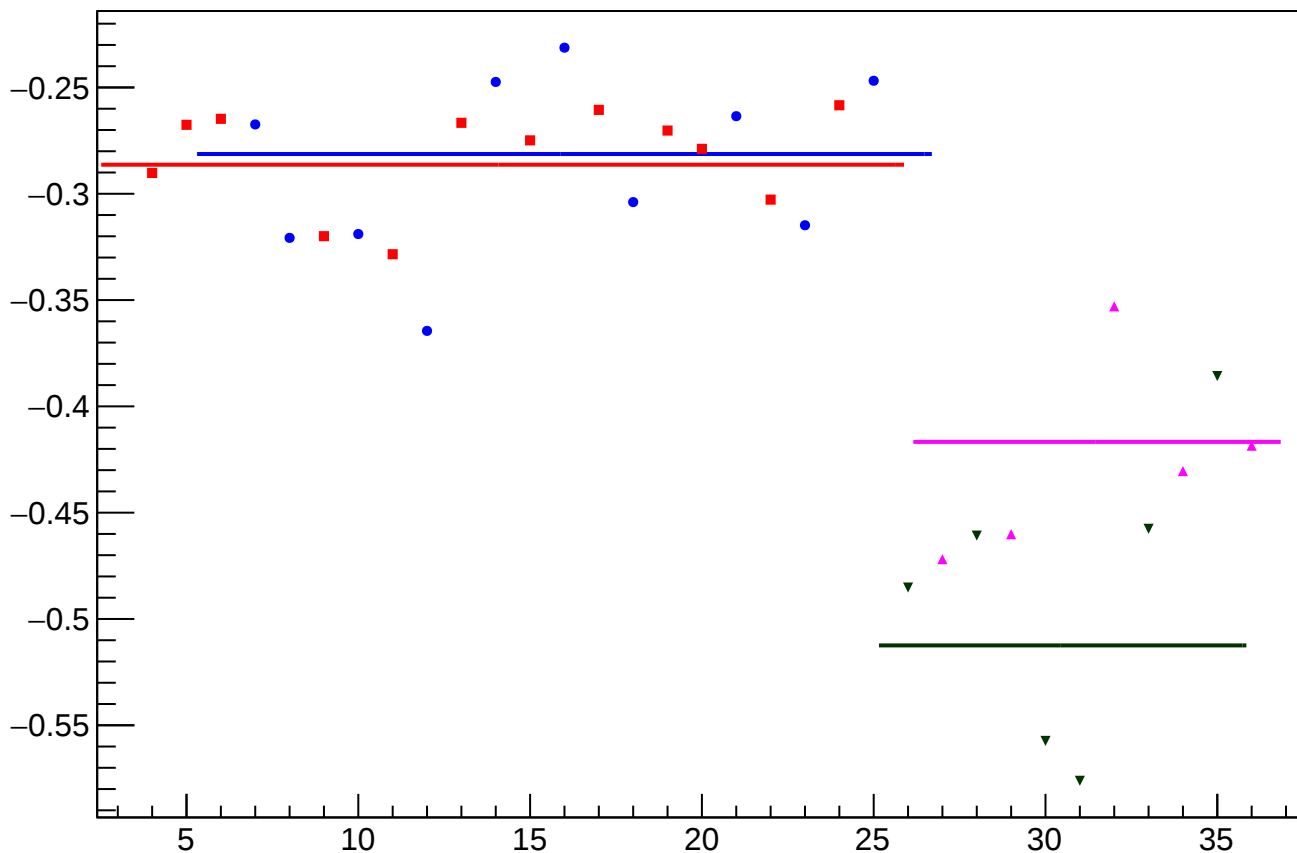
0.014+/-0.000 χ^2/NDF : 113098.5/15

Right Out: 0.015+/-0.000 χ^2/NDF : 22407.0/11

0.014+/-0.000 χ^2/NDF : 162951.1/16

Left In: 0.013+/-0.000 χ^2/NDF : 2747.3/4

yield_bpm0l10Y_mean vs slug



Right In: -0.281+/-0.000 χ^2/NDF : 977787208.1/9

Left Out: -0.512+/-0.000 χ^2/NDF :1275641927.2/5

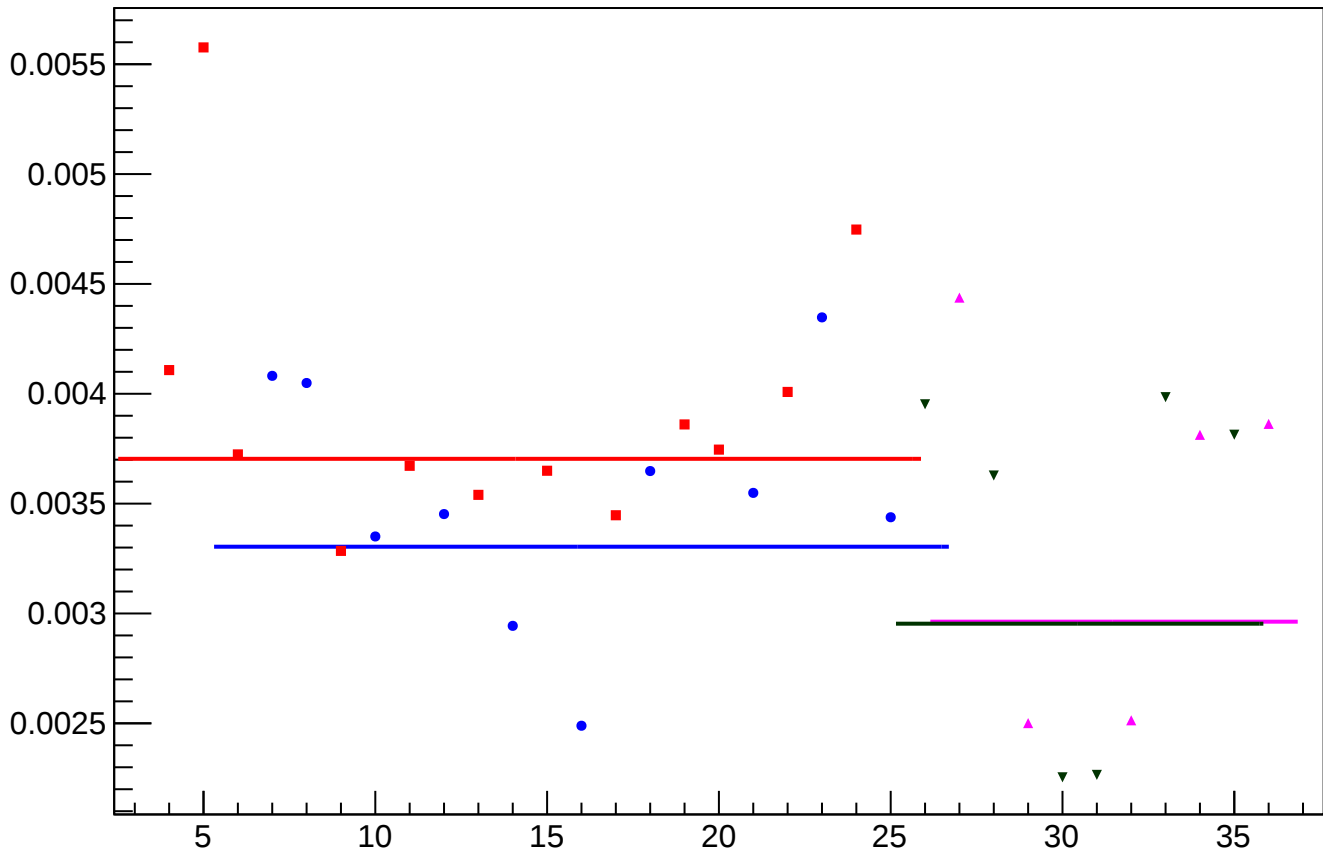
Right Out: -0.286+/-0.000 χ^2/NDF : 270487970.3/11

Left In: -0.417+/-0.000 χ^2/NDF :892105853.5/4

-0.365+/-0.000 χ^2/NDF : 12818253400.5/15

-0.346+/-0.000 χ^2/NDF : 4459817361.1/16

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 : 380673.2/5

Right Out: 0.004+/-0.000 χ^2/NDF : 119237.1/11

Left In: 0.003+/-0.000 χ^2/NDF : 381025.5/4

0.003+/-0.000 χ^2/NDF : 736939.5/15

0.003+/-0.000 χ^2/NDF : 713420.6/16