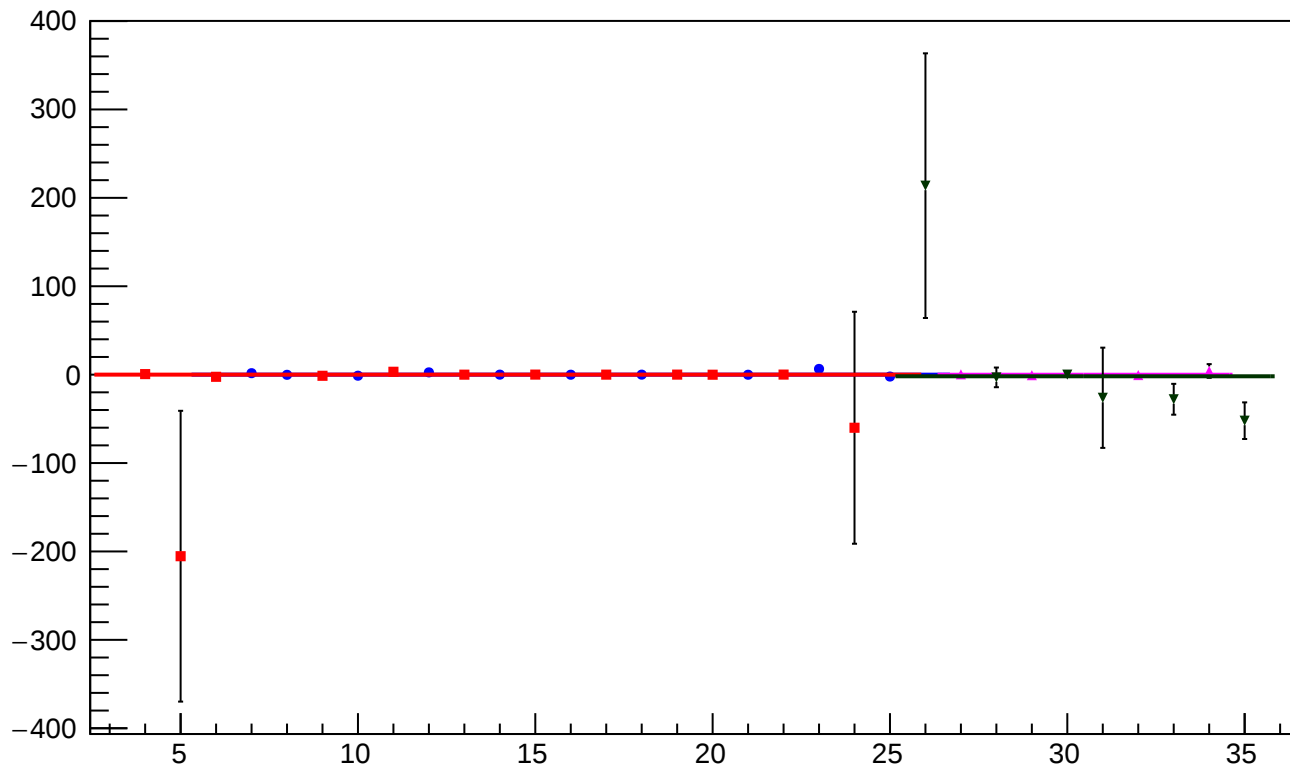


diff_cav4bX_mean vs slug



Right In: -0.014 ± 0.014

Left Out: -1.845 ± 2.822

Right Out: 0.017 ± 0.016

Left In: -0.109 ± 0.170

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

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

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

$\chi^2/\text{NDF}: 8.3/3$

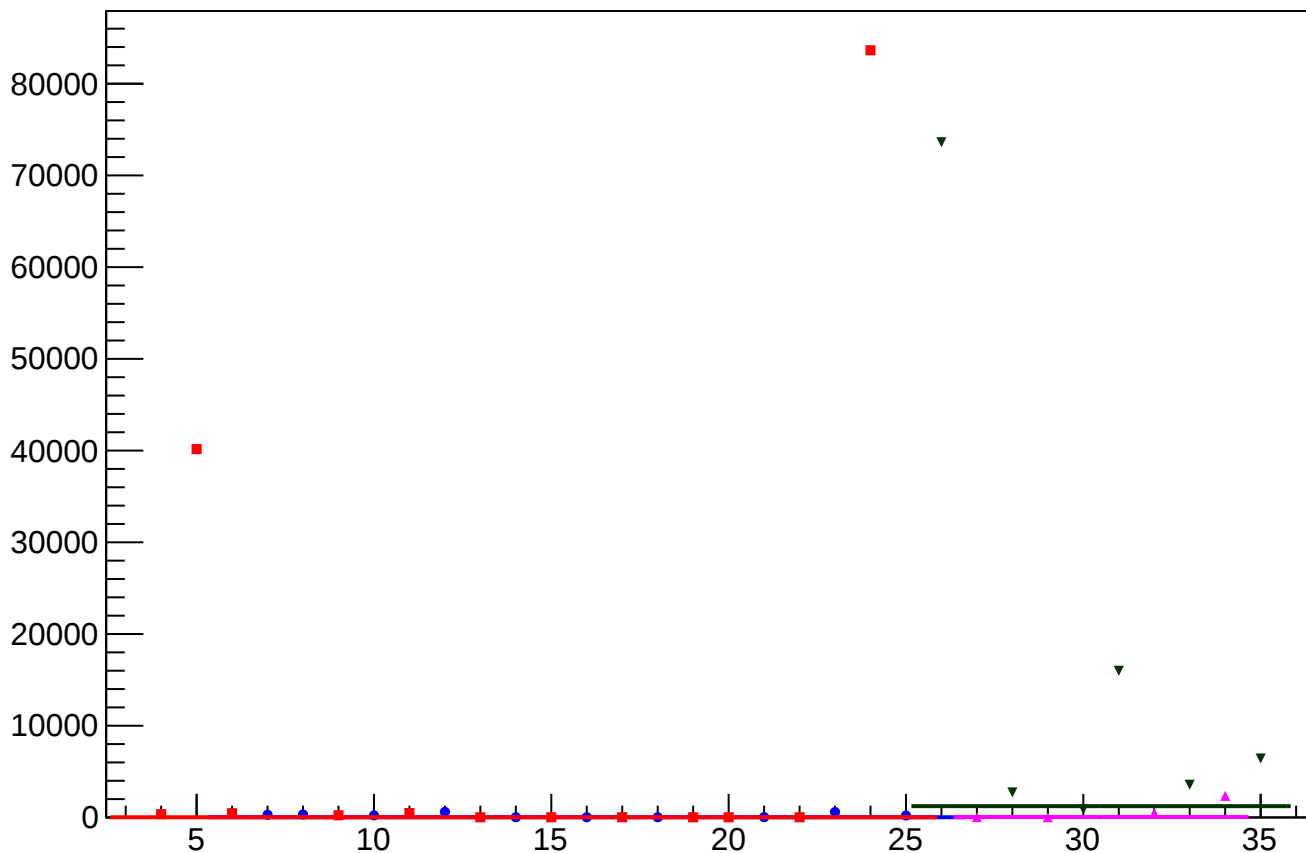
-0.014 ± 0.014

0.016 ± 0.016

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

$\chi^2/\text{NDF}: 28.2/15$

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

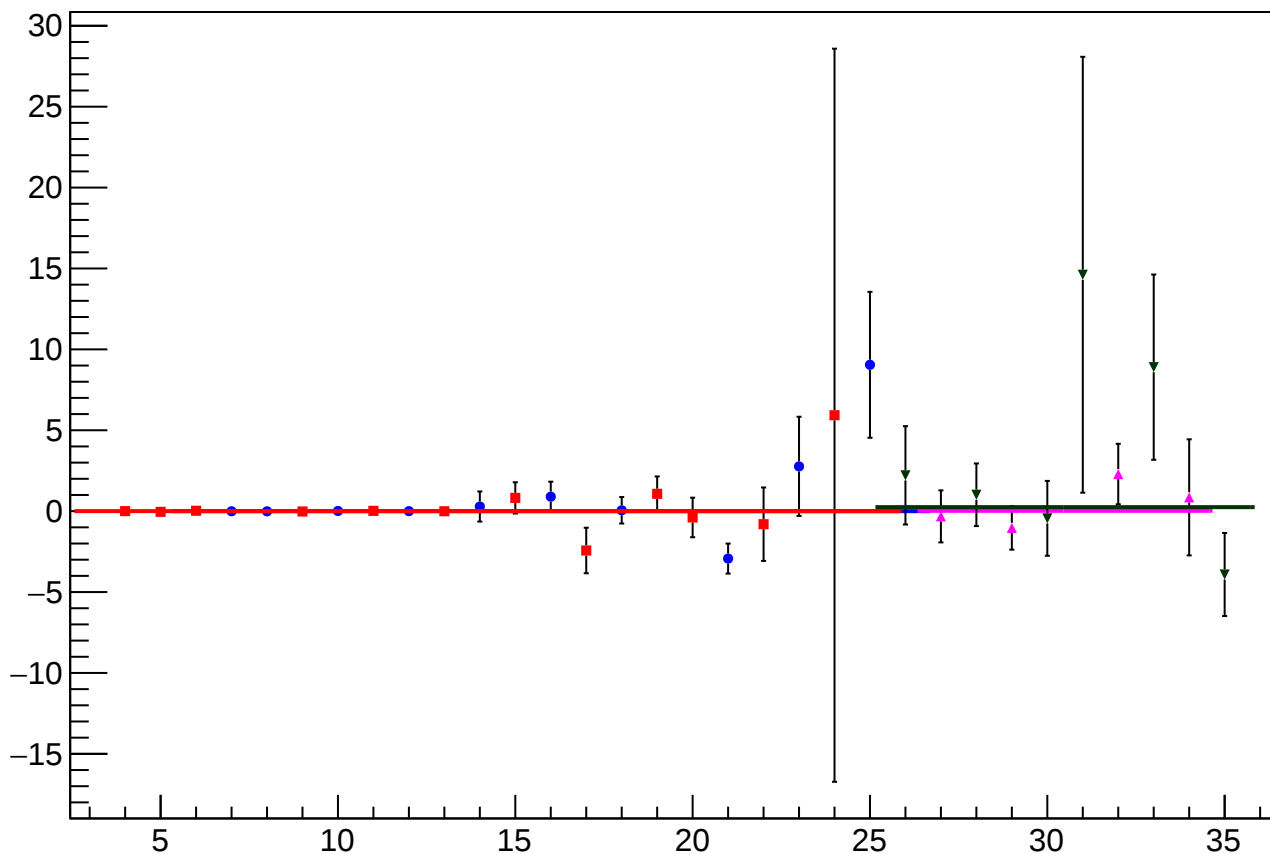
Right Out: 22.575+/-0.011 χ^2 /NDF: 1409994.7/11

Left In: 47.061+/-0.120 χ^2 /NDF: 420171.1/3

22.430+/-0.010 χ^2 /NDF: 1967258.0/15

22.794+/-0.011 χ^2 /NDF: 1871392.9/15

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

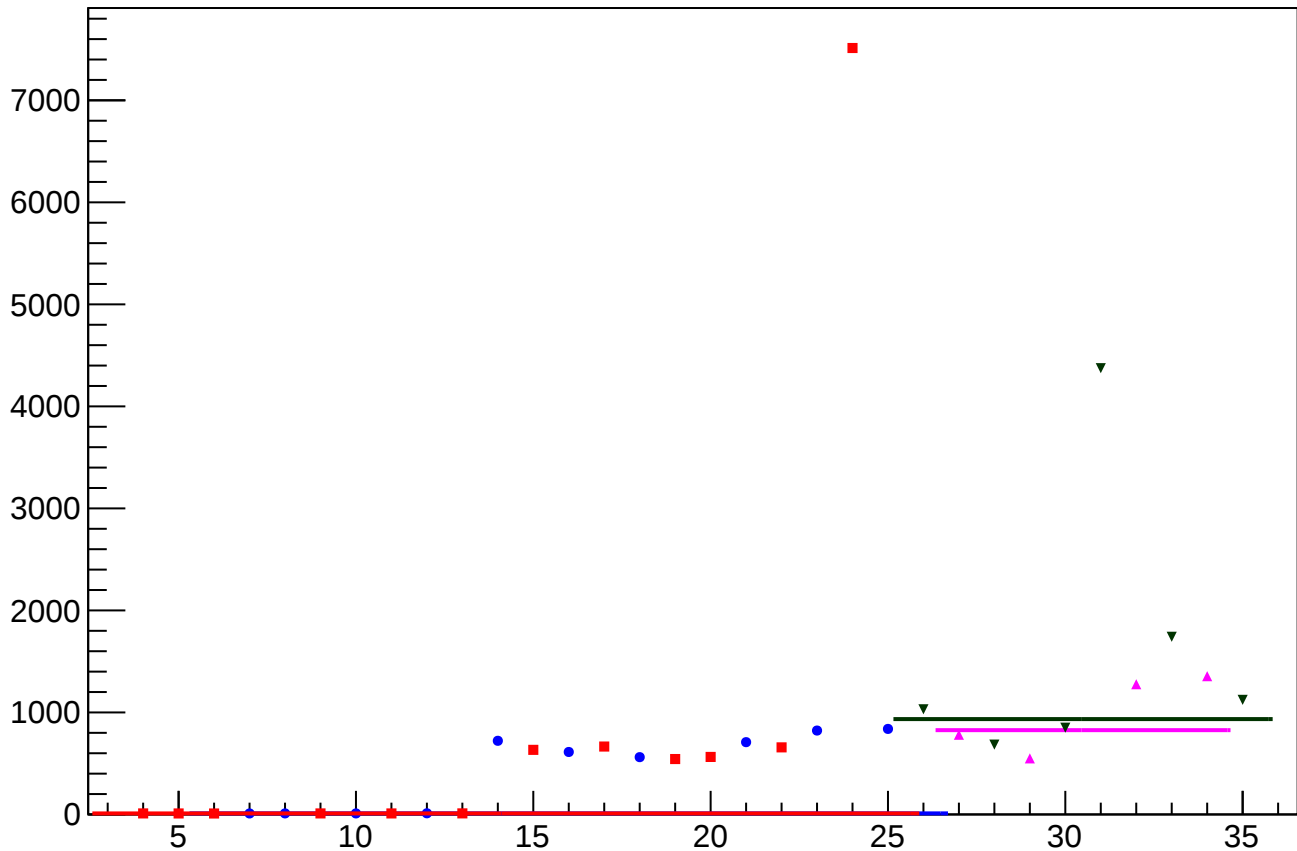
Right Out: 0.002 ± 0.005 χ^2/NDF : 17.0/11

Left In: 0.021 ± 0.876 χ^2/NDF : 2.2/3

-0.001 ± 0.006 χ^2/NDF : 24.9/15

0.002 ± 0.005 χ^2/NDF : 19.1/15

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

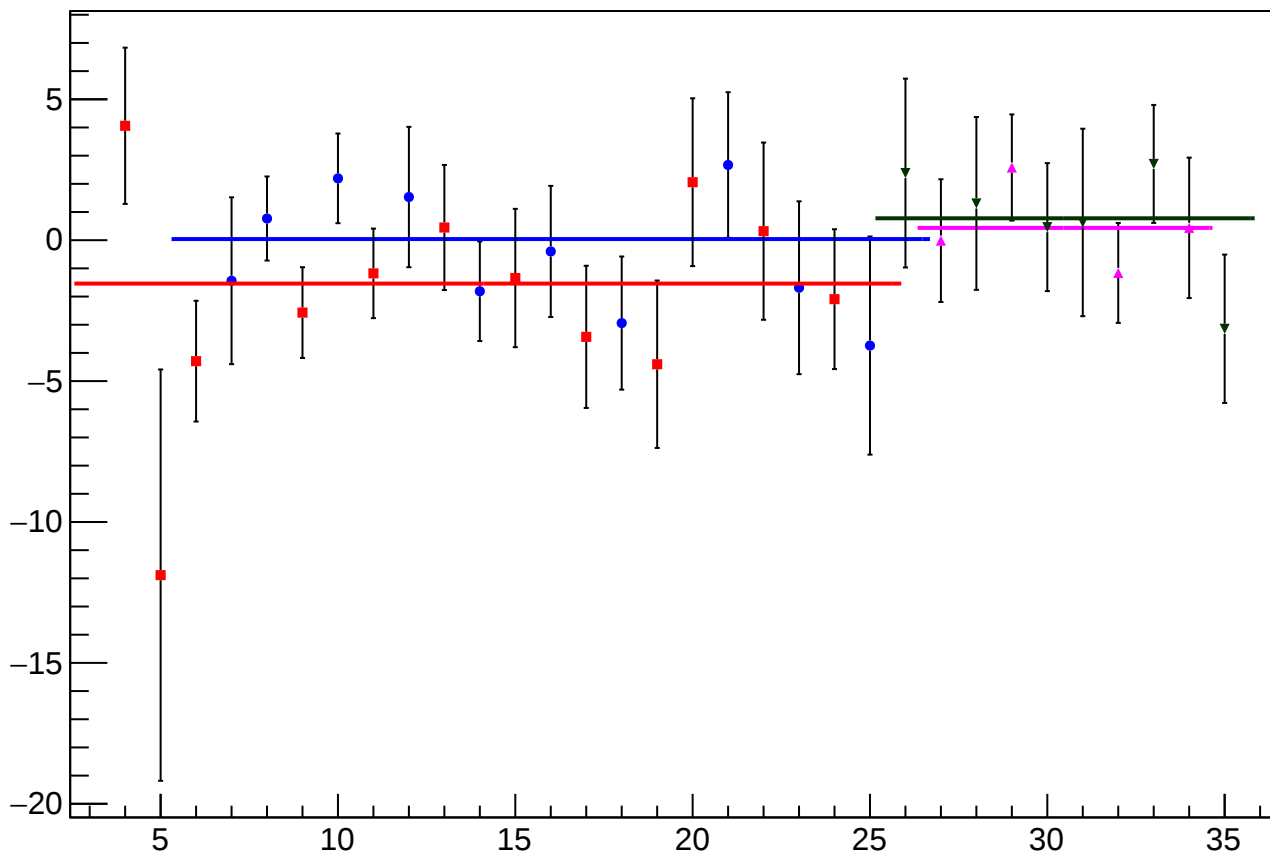
Right Out: 10.074+/-0.004 χ^2/NDF : 2563210.4/11

Left In: 826.277+/-0.620 χ^2/NDF : 245270.3/3

10.519+/-0.005 χ^2/NDF : 5778001.7/15

10.106+/-0.004 χ^2/NDF : 4542815.9/15

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

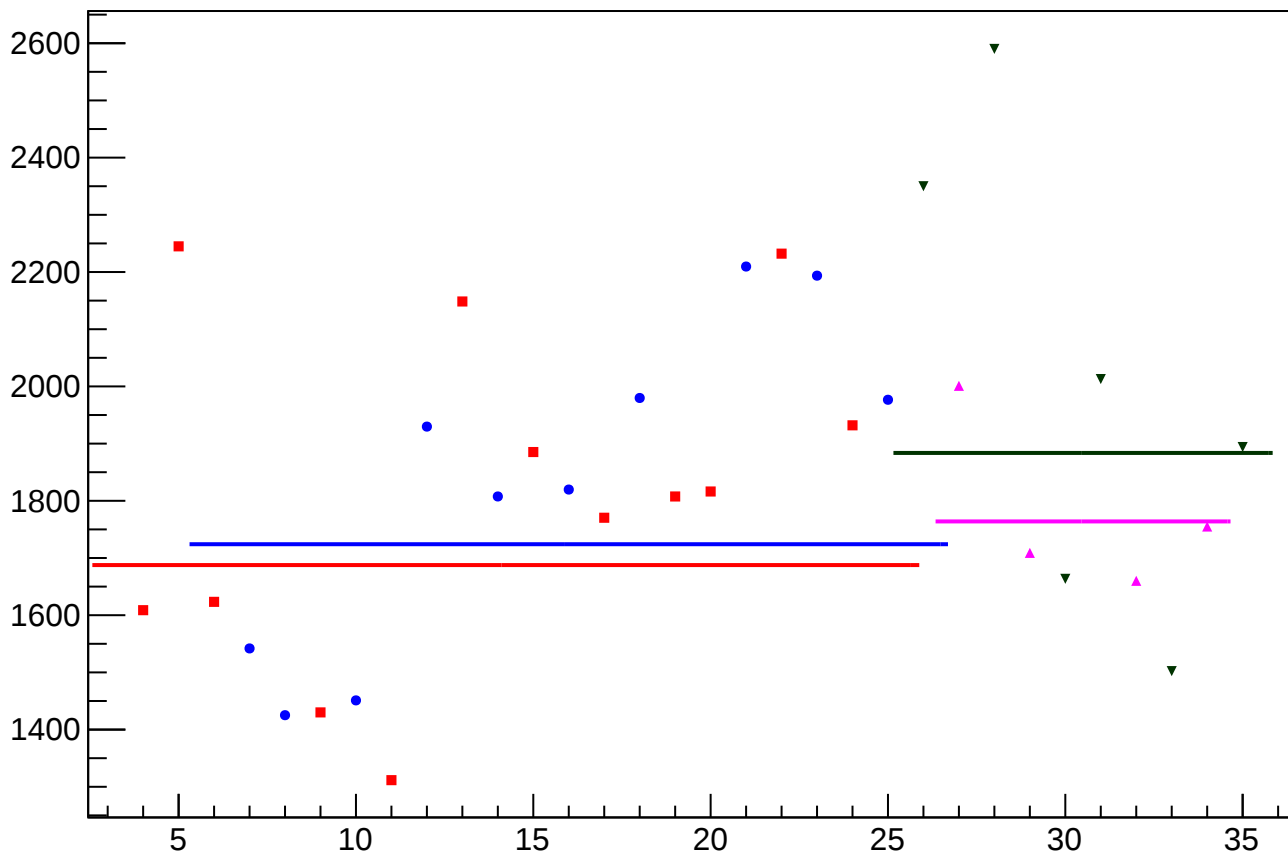
Right Out: -1.539 $\pm$ 0.680 χ^2 /NDF: 12.4/11

Left In: 0.437 $\pm$ 1.014 χ^2 /NDF: 2.2/3

0.251 $\pm$ 0.579 χ^2 /NDF: 11.4/15

-0.927 $\pm$ 0.565 χ^2 /NDF: 17.1/15

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

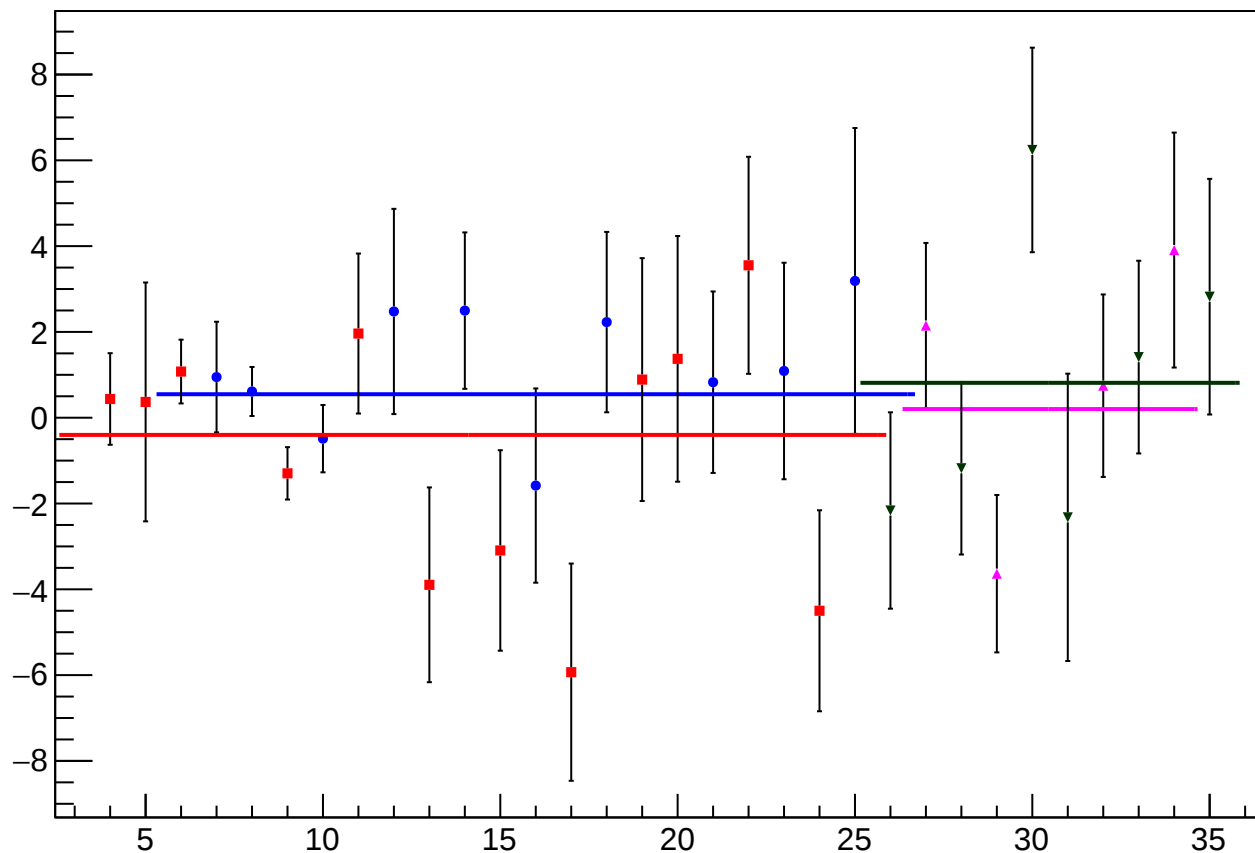
Right Out: 1687.646 $\pm$ 0.481 χ^2 /NDF: 366003.0/11

Left In: 1763.950 $\pm$ 0.717 χ^2 /NDF:32301.7/3

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

1711.303 $\pm$ 0.399 χ^2 /NDF: 406117.2/15

diff_cav4cY_mean vs slug



Right In: 0.548 ± 0.388 χ^2/NDF : 5.8/9

Left Out: 0.813 ± 0.983 χ^2/NDF : 9.3/5

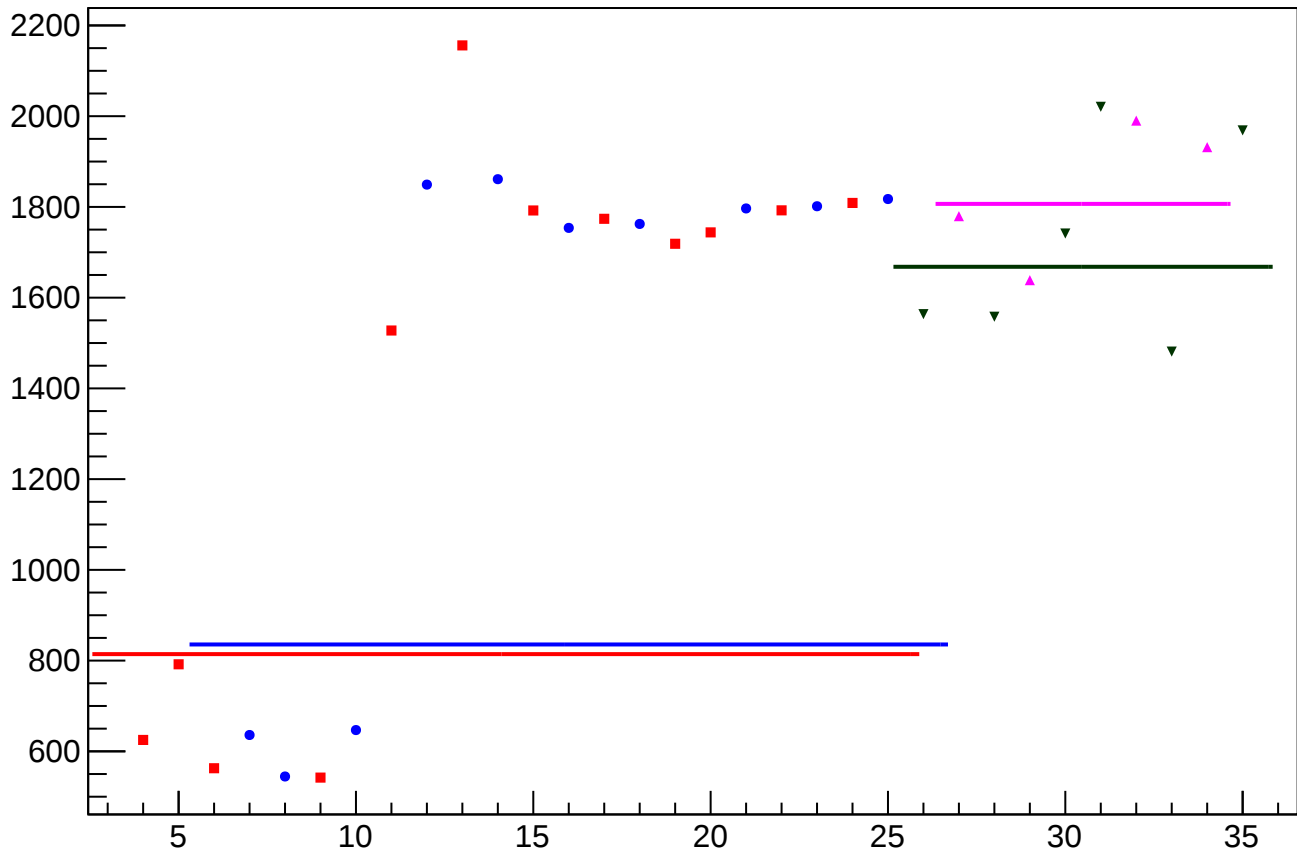
Right Out: -0.401 ± 0.381 χ^2/NDF : 23.0/11

Left In: 0.202 ± 1.042 χ^2/NDF : 7.3/3

0.584 ± 0.361 χ^2/NDF : 15.2/15

-0.330 ± 0.357 χ^2/NDF : 30.6/15

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

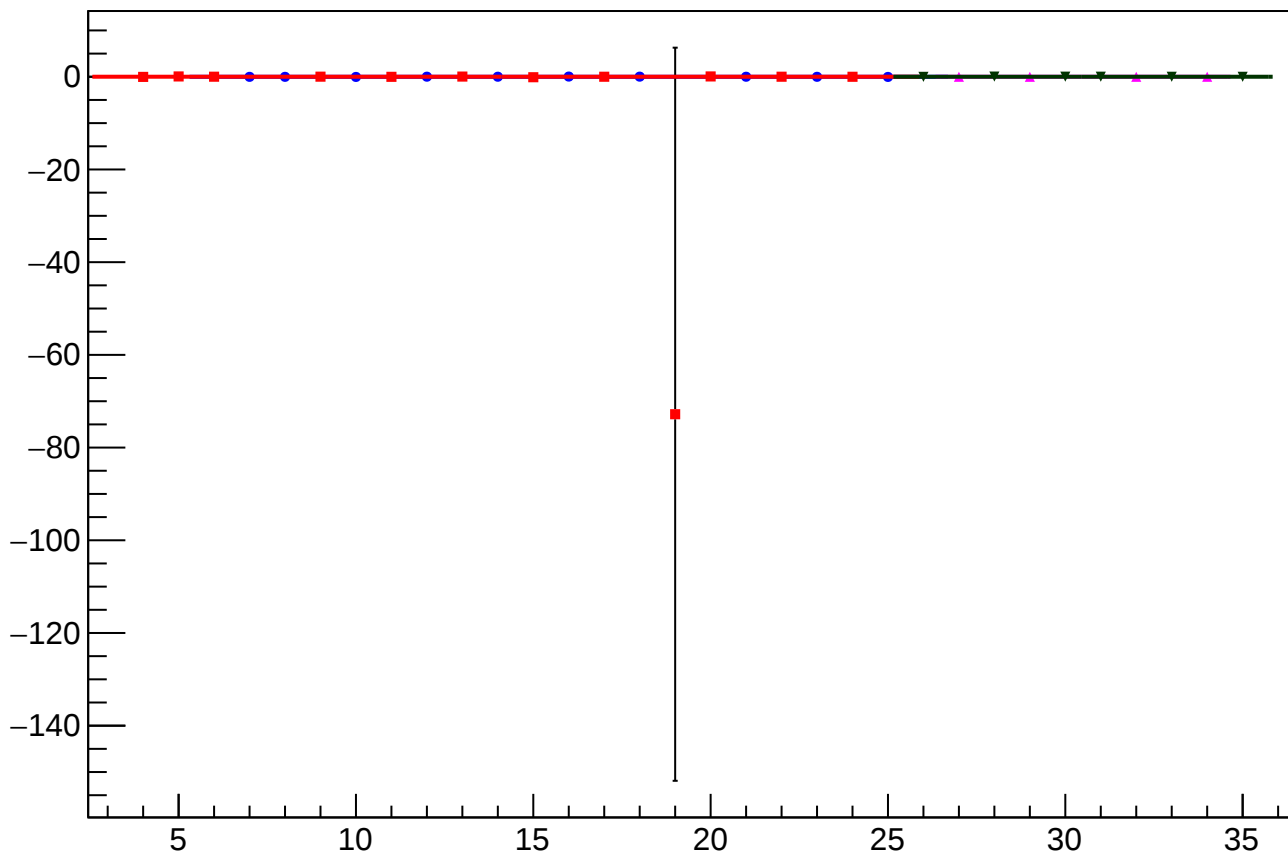
947.660+/-0.255 χ^2/NDF : 4562037.5/15

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

931.087+/-0.253 χ^2/NDF : 5029484.1/15

Left In: 1806.692+/-0.737 χ^2/NDF : 36249.2/3

diff_cav4dX_mean vs slug



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

Left Out: 0.007 $\pm$ 0.006 χ^2 /NDF: 5.8/5

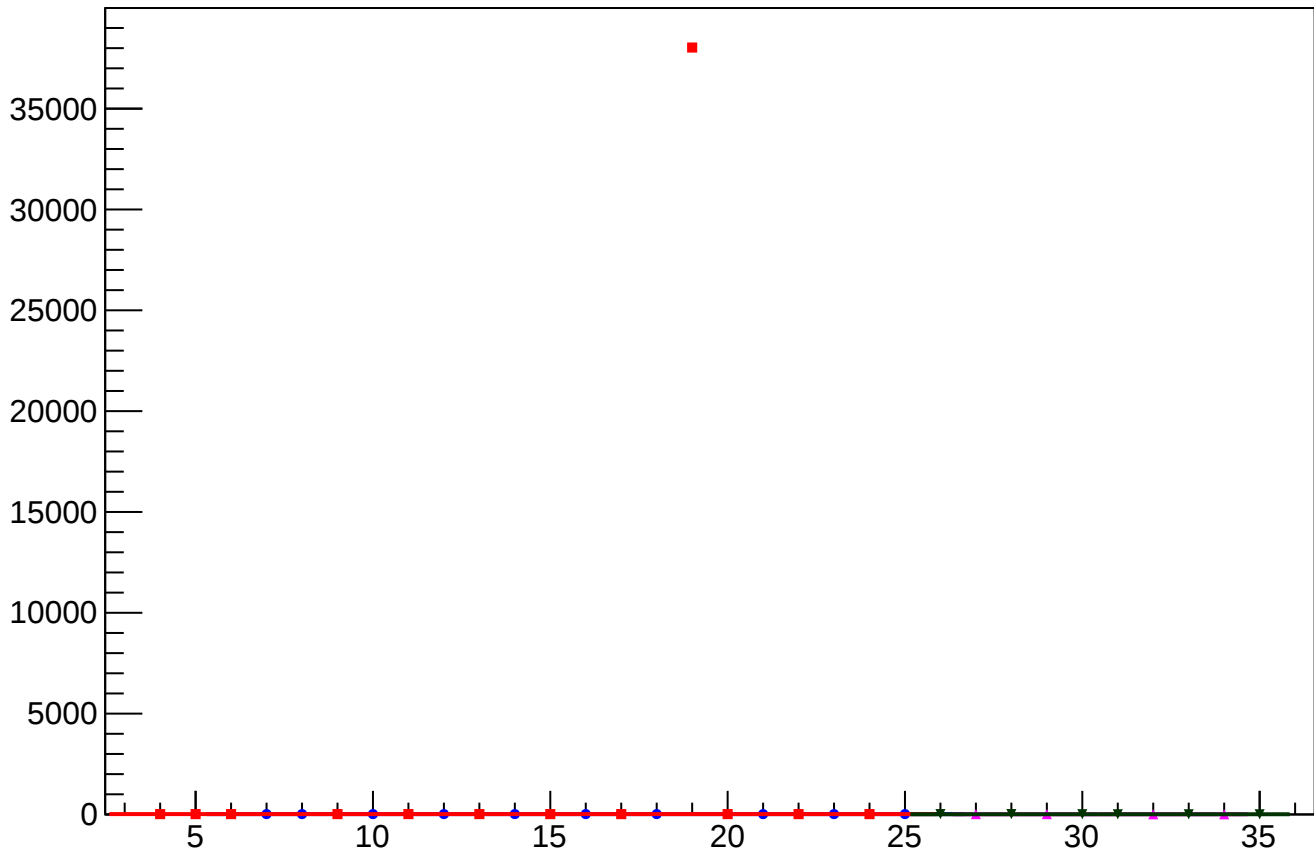
Right Out: 0.011 $\pm$ 0.008 χ^2 /NDF: 11.3/11

Left In: 0.000 $\pm$ 0.006 χ^2 /NDF: 0.2/3

0.003 $\pm$ 0.005 χ^2 /NDF: 13.3/15

0.005 $\pm$ 0.005 χ^2 /NDF: 12.7/15

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

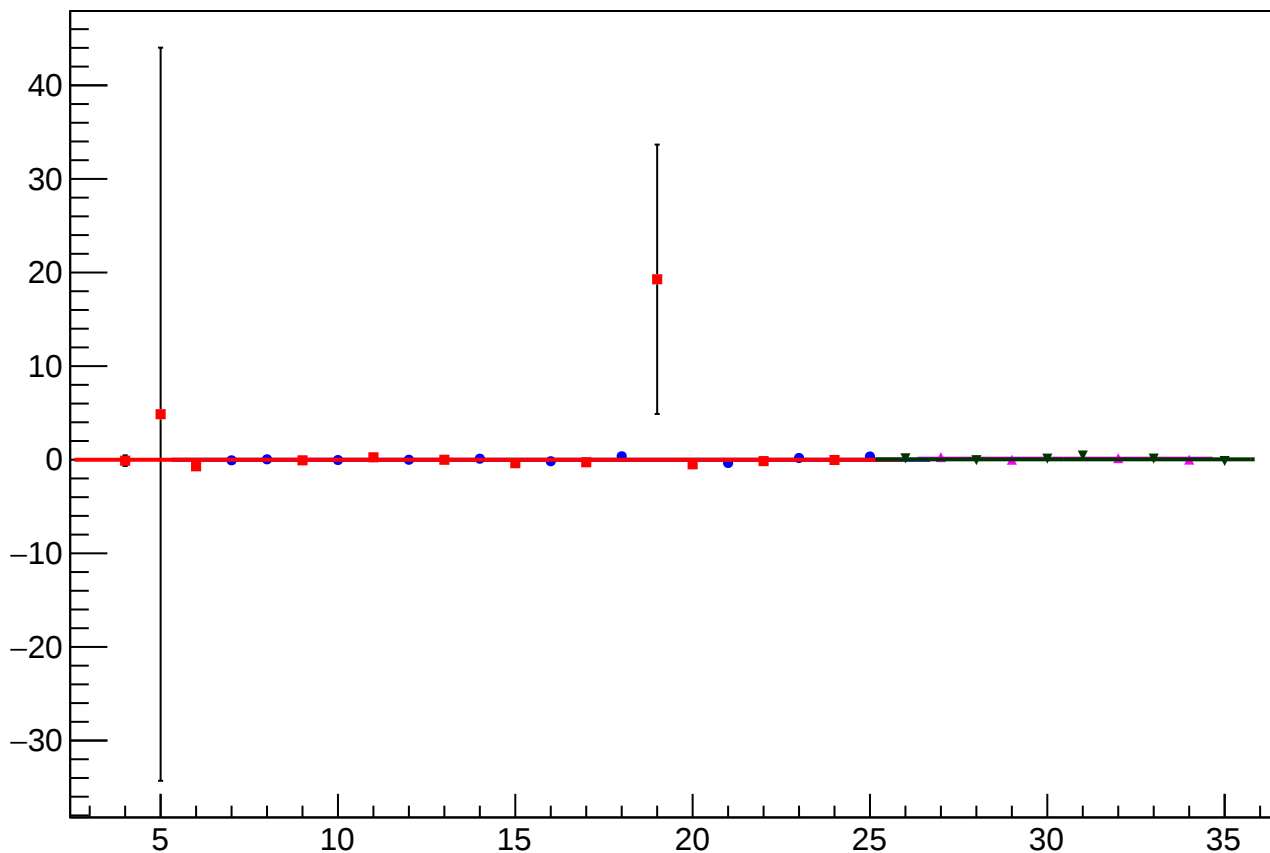
Right Out: 17.562+/-0.006 χ^2/NDF : 466099.2/11

Left In: 10.538+/-0.005 χ^2/NDF : 639478.7/3

13.016+/-0.003 χ^2/NDF : 1573638.5/15

13.288+/-0.004 χ^2/NDF : 2048967.6/15

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

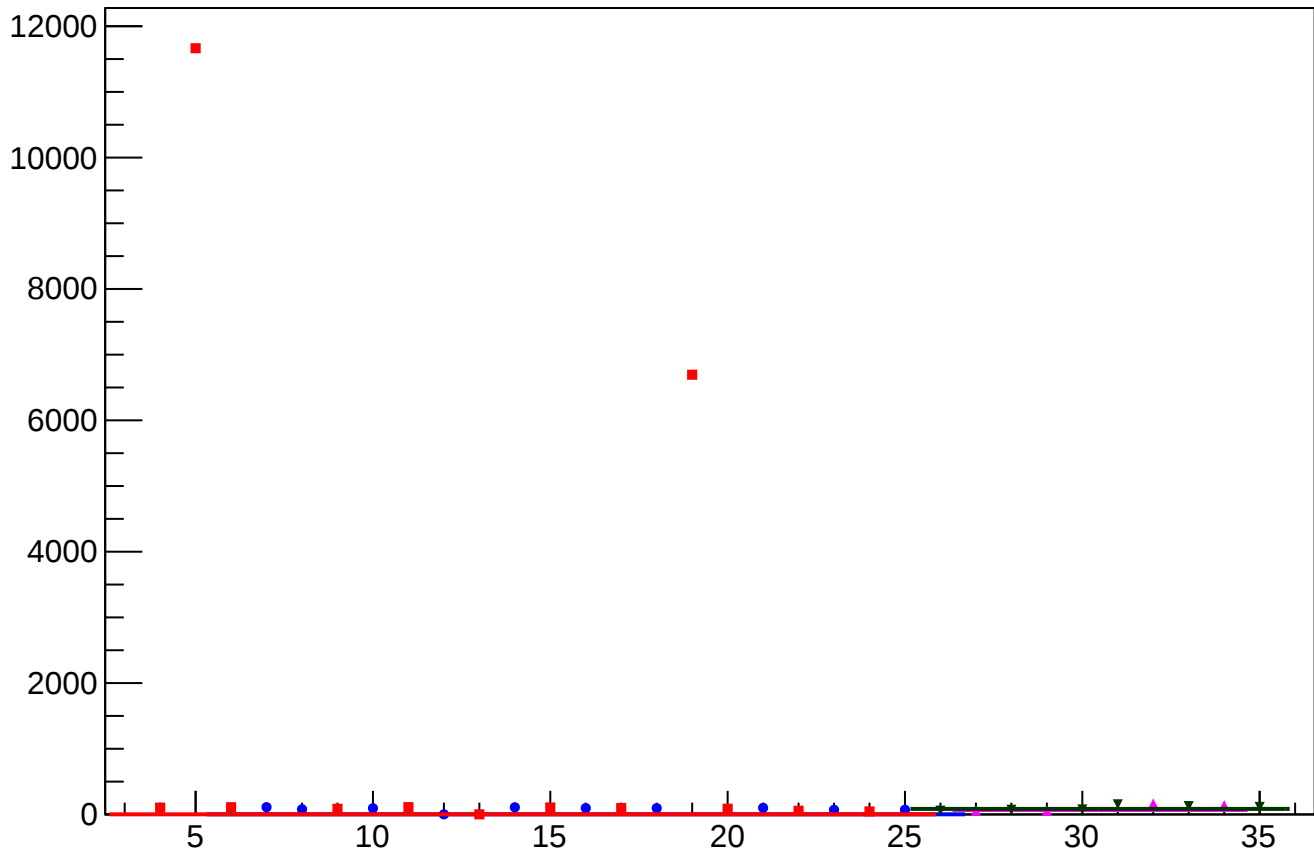
Right Out: -0.003 ± 0.003 χ^2/NDF : 12.3/11

Left In: 0.116 ± 0.062 χ^2/NDF : 4.5/3

-0.003 ± 0.003 χ^2/NDF : 18.7/15

-0.002 ± 0.003 χ^2/NDF : 20.4/15

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

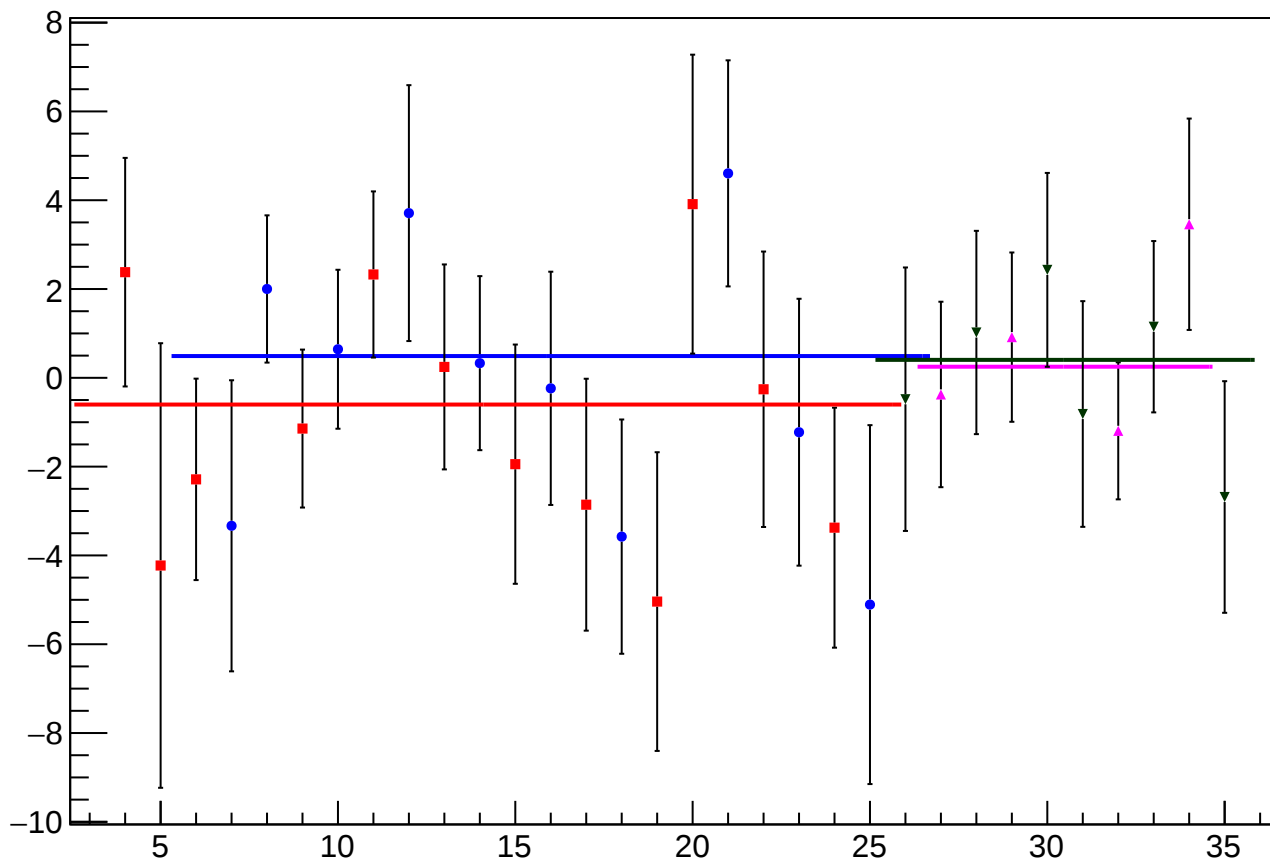
Right Out: 2.056+/-0.002 χ^2/NDF : 4218182.0/11

Left In: 68.453+/-0.044 χ^2/NDF : 537836.8/3

2.286+/-0.002 χ^2/NDF : 8751648.0/15

2.211+/-0.002 χ^2/NDF : 7016580.8/15

diff_bpm4aX_mean vs slug



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

Left Out: 0.404 ± 0.960 $\chi^2/\text{NDF}: 2.8/5$

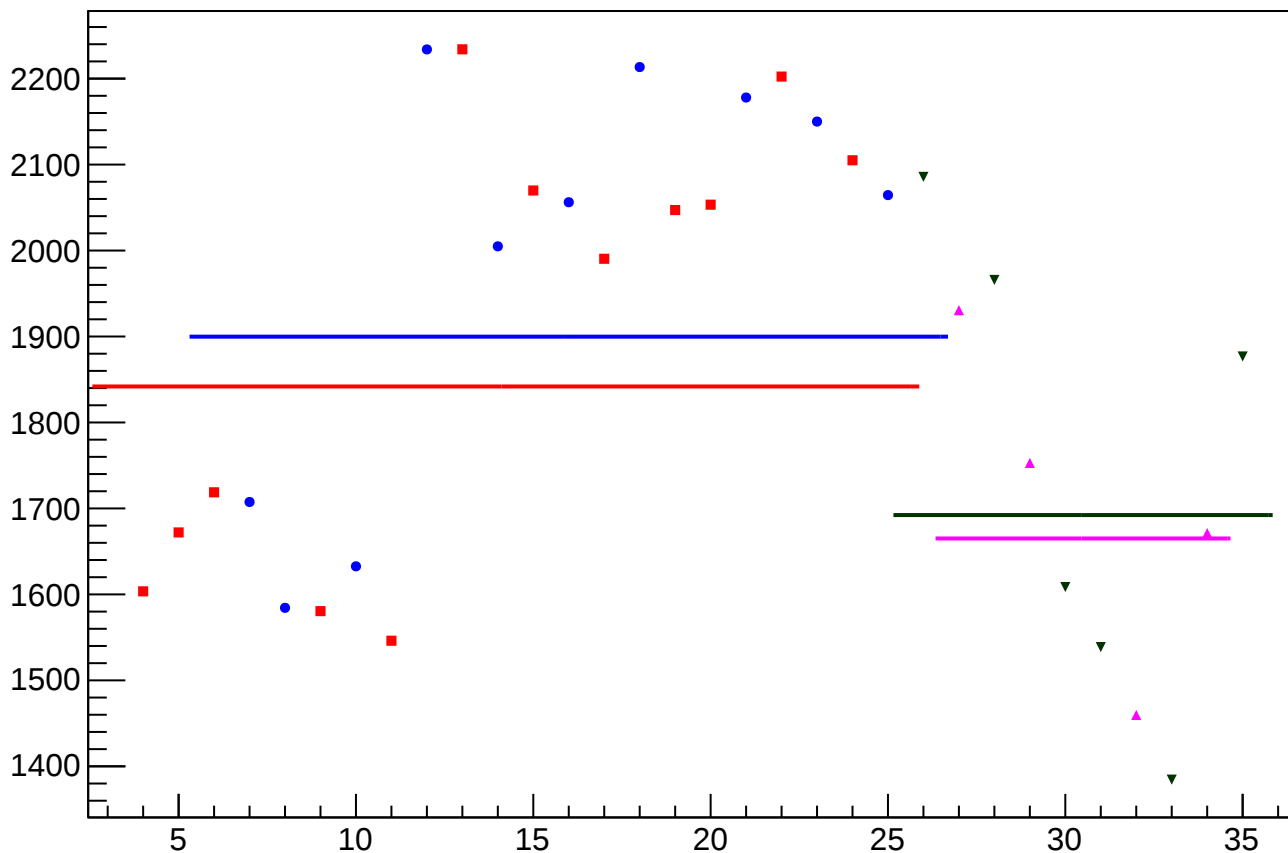
Right Out: -0.602 ± 0.734 $\chi^2/\text{NDF}: 10.6/11$

Left In: 0.250 ± 0.953 $\chi^2/\text{NDF}: 2.9/3$

0.458 ± 0.592 $\chi^2/\text{NDF}: 13.6/15$

-0.285 ± 0.582 $\chi^2/\text{NDF}: 14.0/15$

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

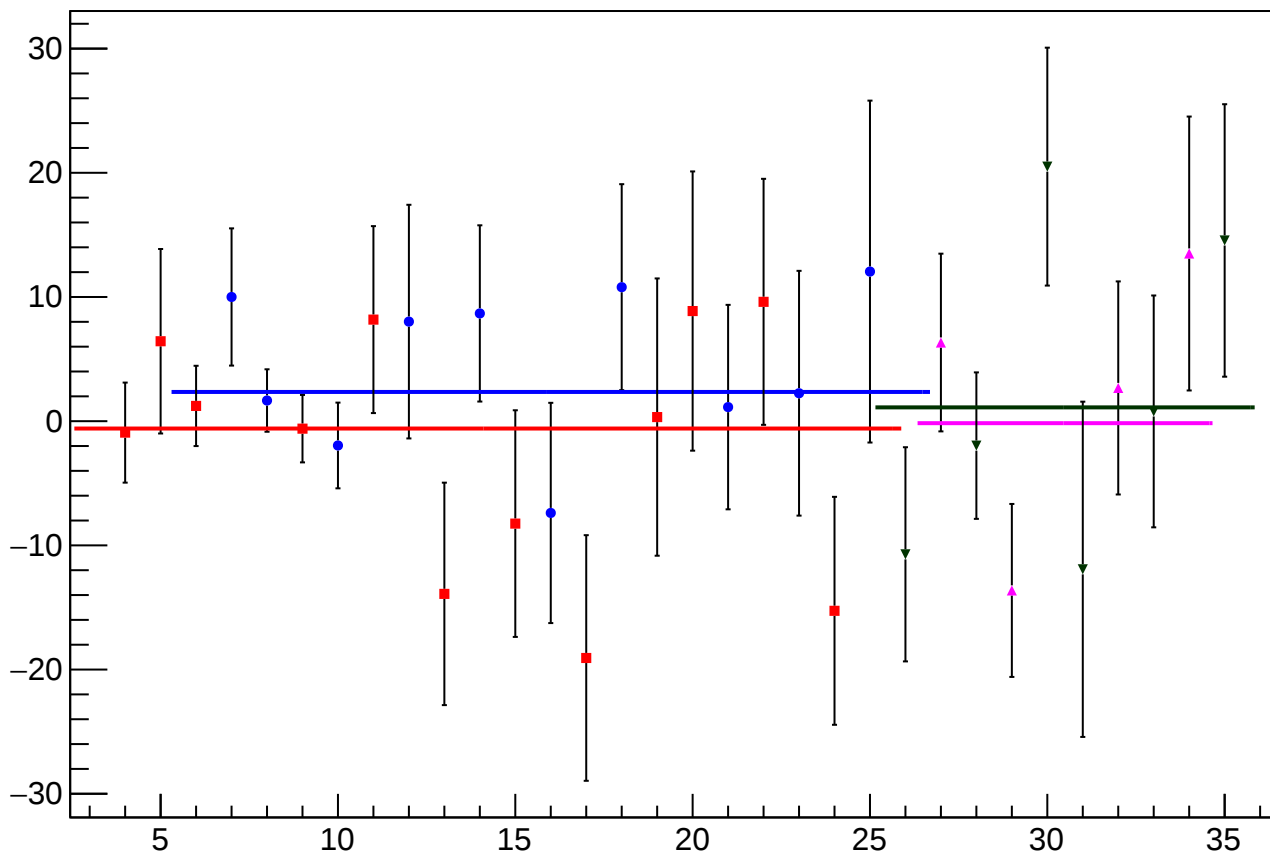
1820.820+/-0.419 χ^2/NDF : 425570.1/15

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

1776.008+/-0.411 χ^2/NDF : 372530.5/15

Left In: 1665.055+/-0.674 χ^2/NDF :71982.3/3

diff_bpm4aY_mean vs slug



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

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

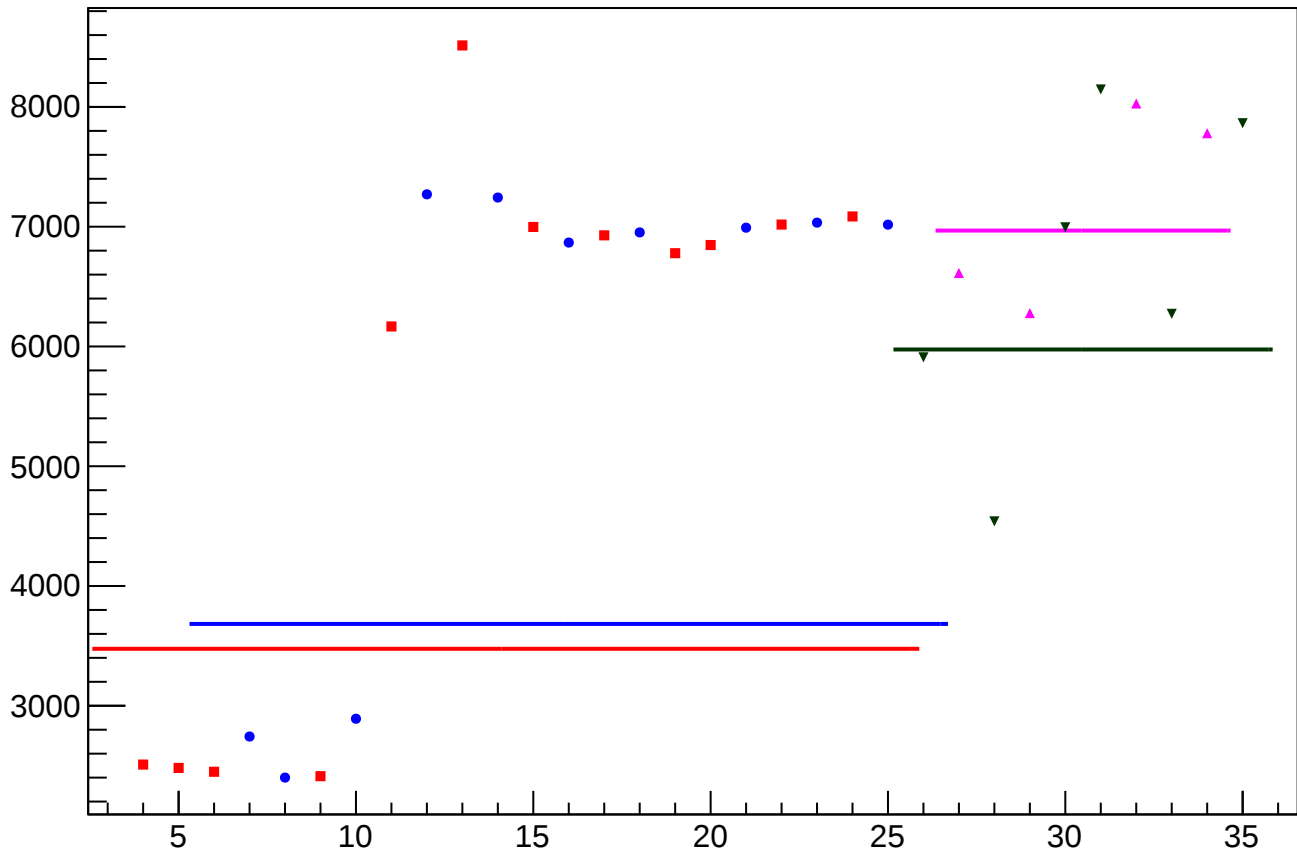
Right Out: -0.592 ± 1.578 $\chi^2/\text{NDF}: 13.3/11$

Left In: -0.160 ± 4.017 $\chi^2/\text{NDF}: 6.2/3$

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

-0.534 ± 1.469 $\chi^2/\text{NDF}: 19.5/15$

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

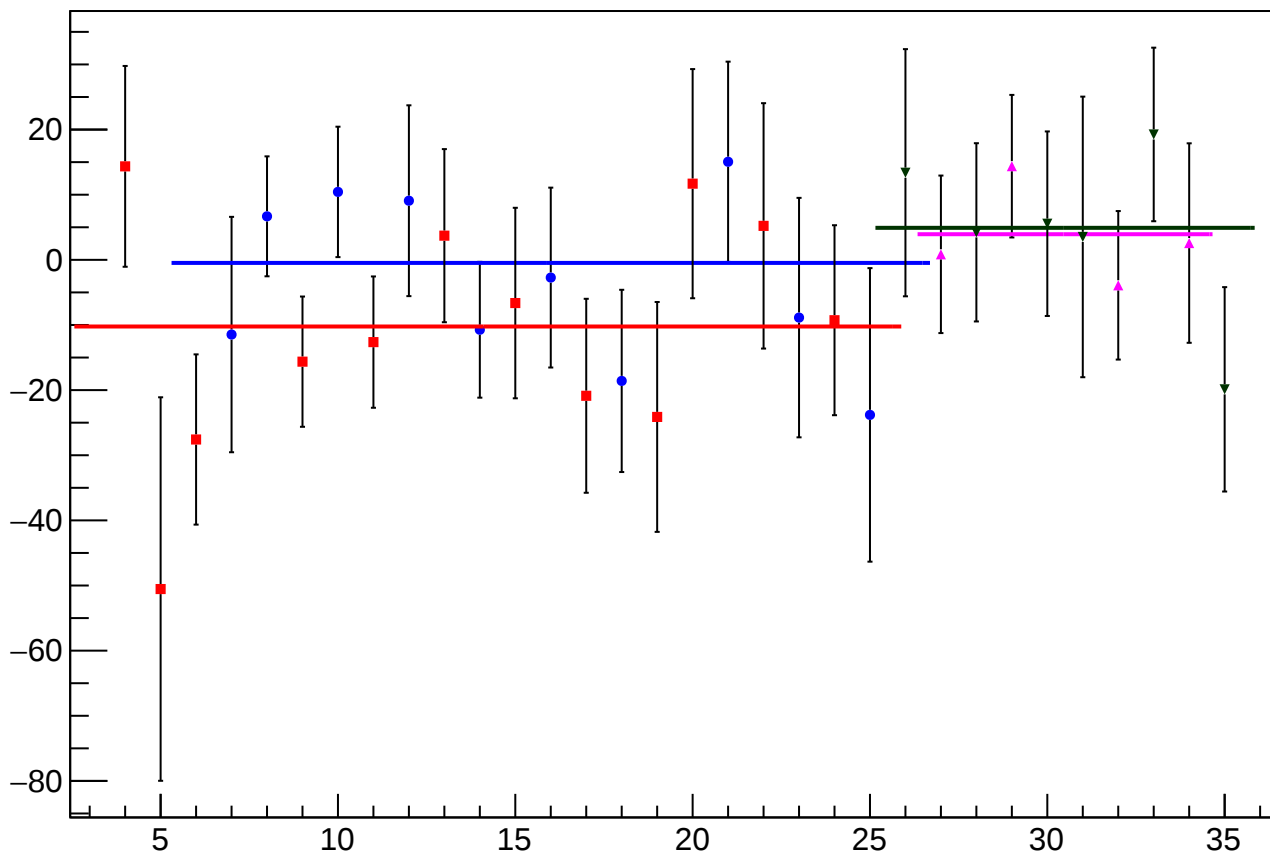
4089.649+/-1.064 χ^2/NDF : 3650066.6/15

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

3942.427+/-1.039 χ^2/NDF : 4385311.3/15

Left In: 6967.670+/-2.841 χ^2/NDF : 65921.6/3

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

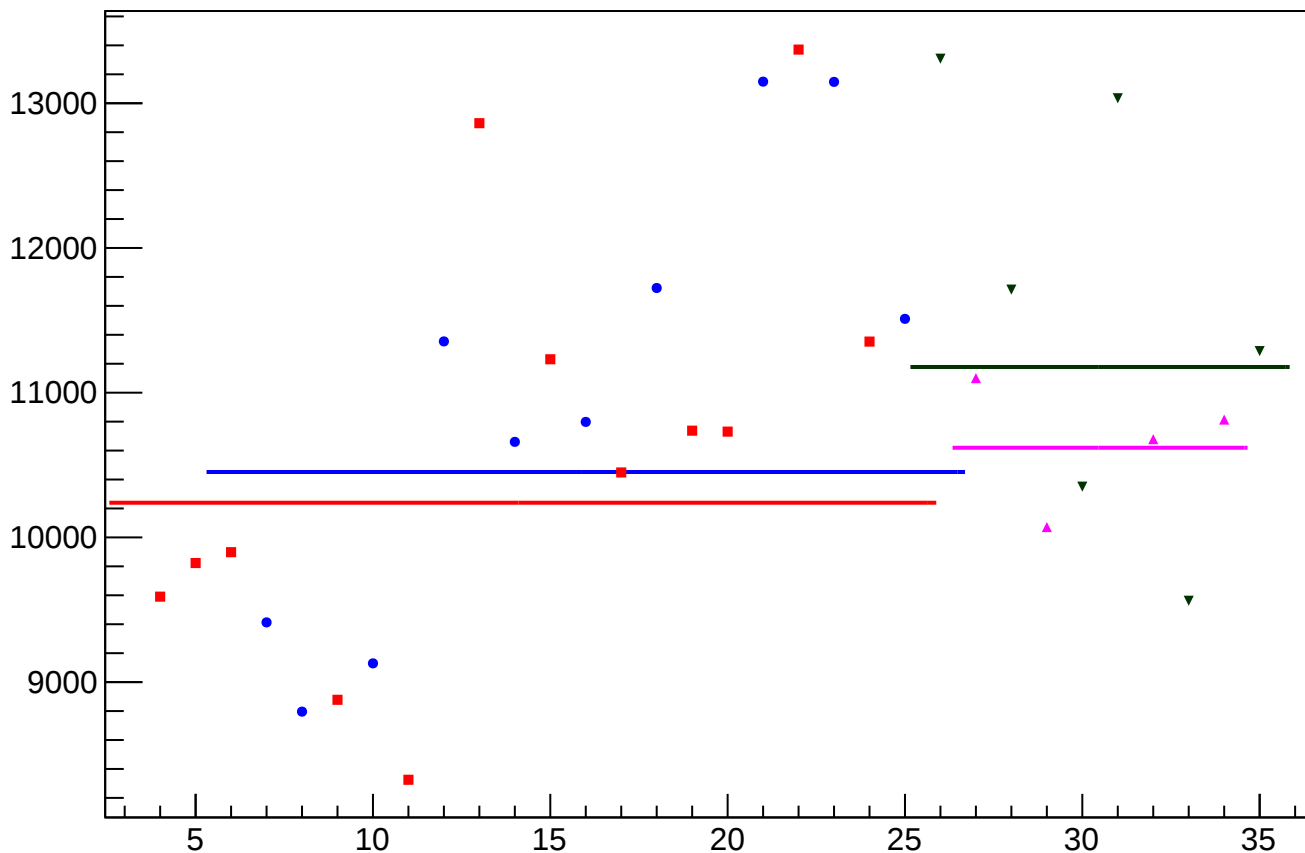
Right Out: -10.234 ± 4.087 χ^2/NDF : 11.1/11

Left In: 3.934 ± 6.069 χ^2/NDF : 1.5/3

1.146 ± 3.468 χ^2/NDF : 11.9/15

-5.814 ± 3.390 χ^2/NDF : 16.3/15

diff_bpm4eX_rms vs slug



Right In: 10451.949 $\pm$ 2.931 χ^2 /NDF: 241363.4/9

Left Out: 11177.614 $\pm$ 4.476 χ^2 /NDF: 79442.1/5

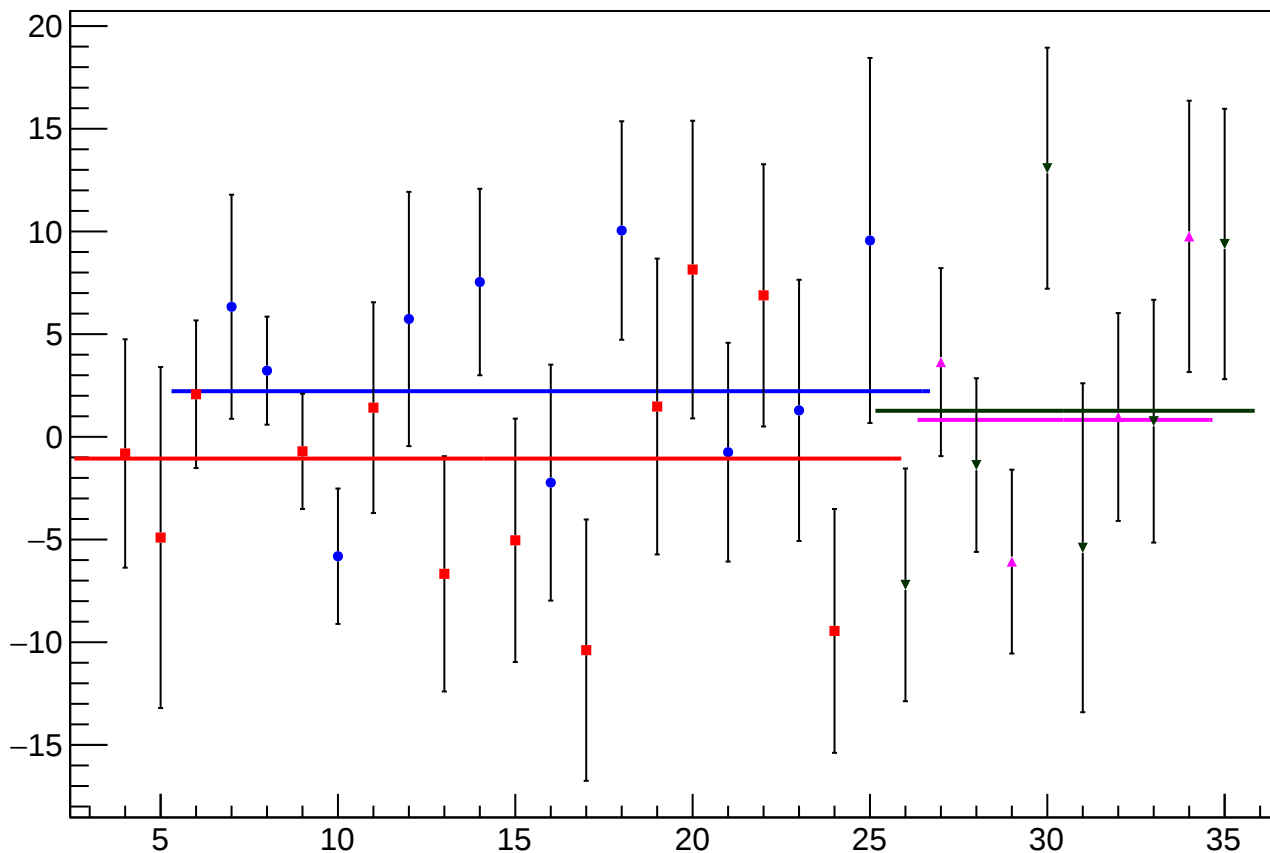
Right Out: 10239.715 $\pm$ 2.890 χ^2 /NDF: 272072.6/11

Left In: 10619.530 $\pm$ 4.291 χ^2 /NDF: 8562.4/3

10669.676 $\pm$ 2.452 χ^2 /NDF: 339200.5/15

10358.214 $\pm$ 2.397 χ^2 /NDF: 286024.2/15

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

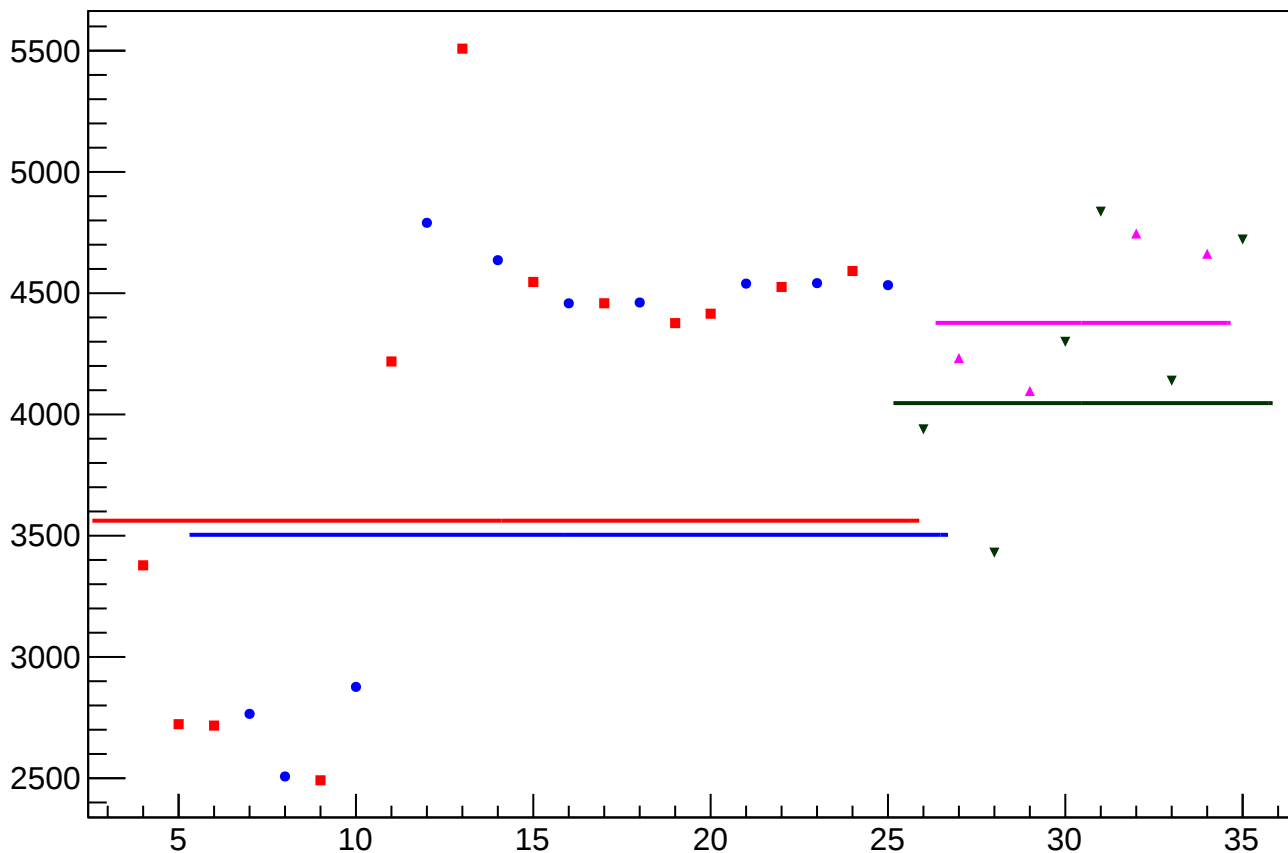
Right Out: -1.058 ± 1.468 χ^2/NDF : 10.1/11

Left In: 0.826 ± 2.503 χ^2/NDF : 4.6/3

1.960 ± 1.225 χ^2/NDF : 21.2/15

-0.576 ± 1.266 χ^2/NDF : 15.1/15

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

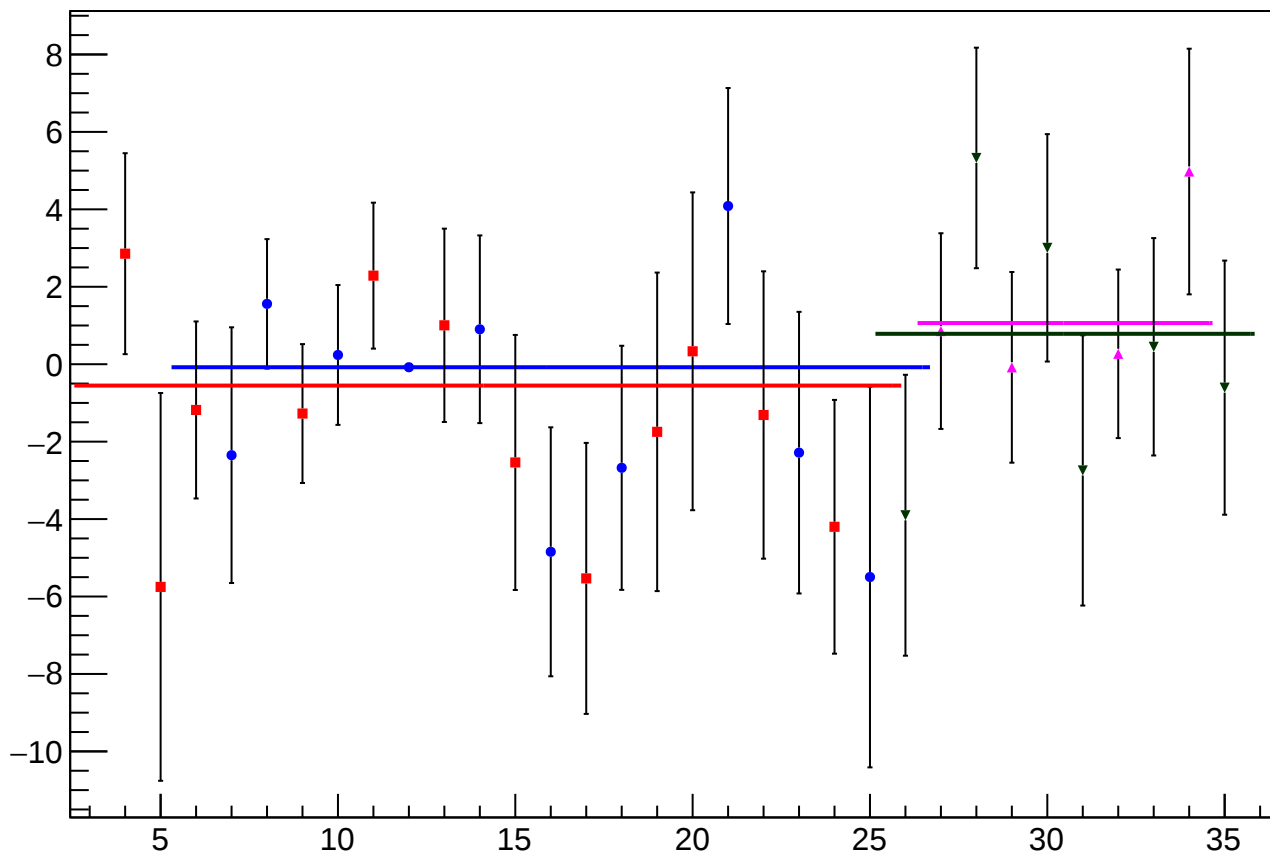
3653.189+/-0.866 χ^2/NDF : 1049172.8/15

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

3770.744+/-0.895 χ^2/NDF : 1123876.1/15

Left In: 4377.663+/-1.770 χ^2/NDF :24219.3/3

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

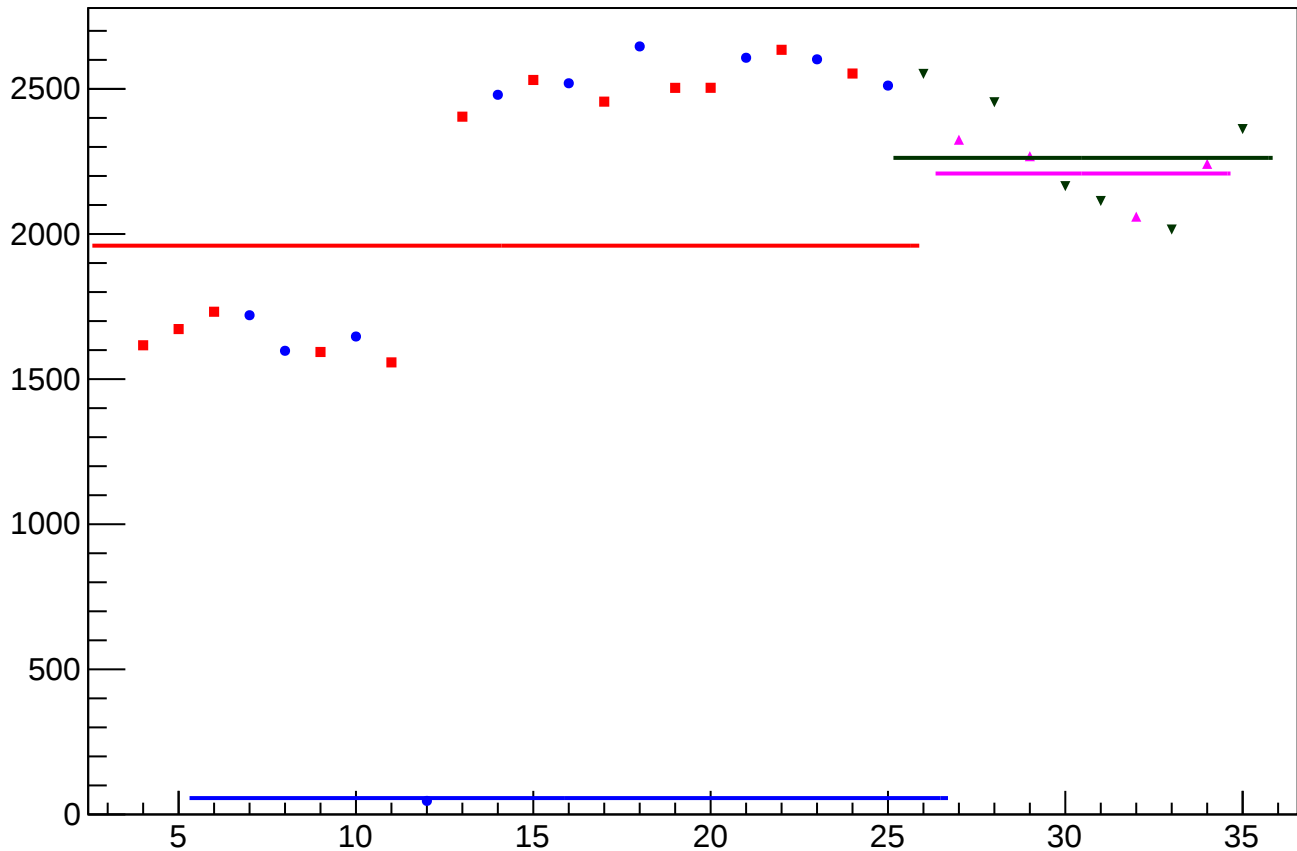
Right Out: -0.552 ± 0.793 χ^2/NDF : 9.5/11

Left In: 1.063 ± 1.258 χ^2/NDF : 1.9/3

-0.076 ± 0.060 χ^2/NDF : 14.4/15

-0.093 ± 0.671 χ^2/NDF : 12.6/15

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

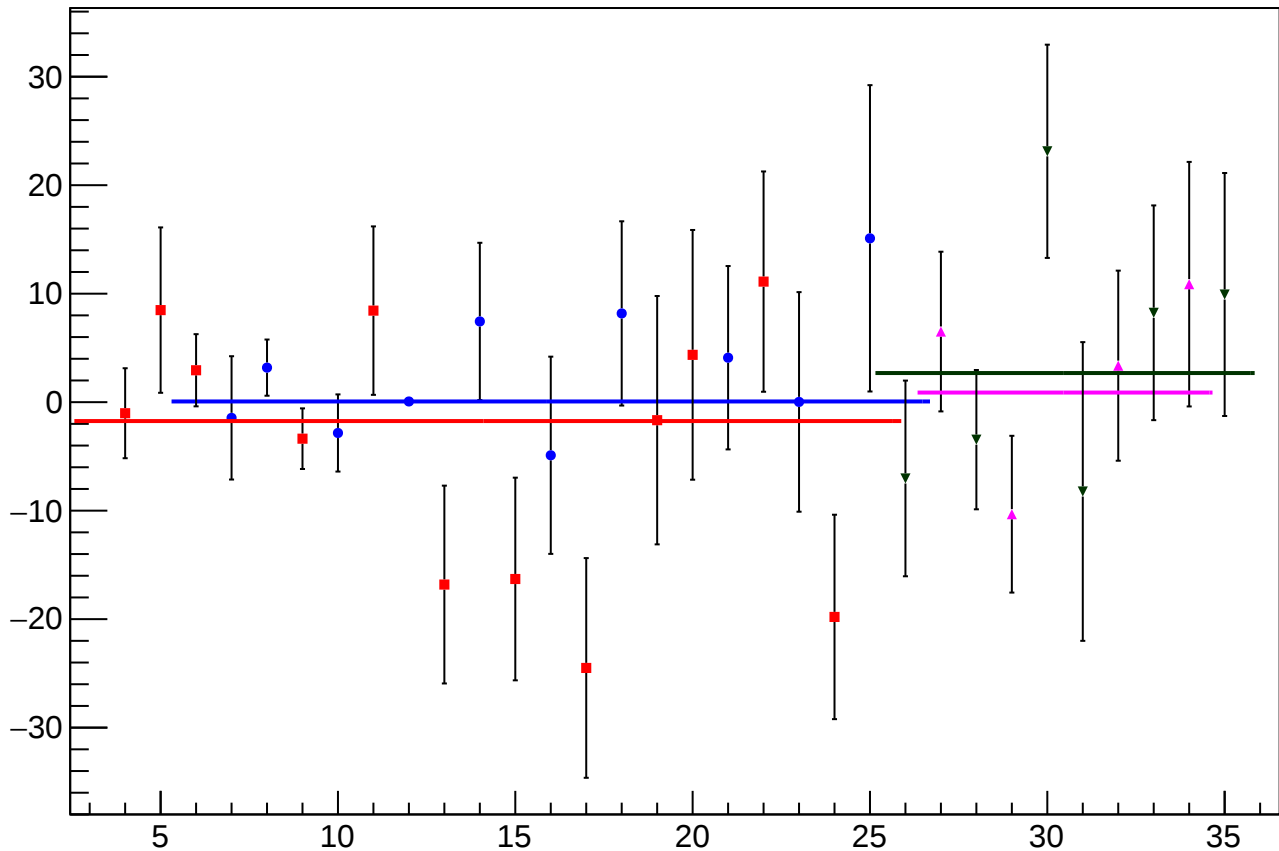
Right Out: 1959.862 ± 0.561 χ^2/NDF : 601394.1/11

Left In: 2208.492 ± 0.890 χ^2/NDF : 14965.3/3

61.345 ± 0.042 χ^2/NDF : 17250058.9/15

2030.549 ± 0.474 χ^2/NDF : 672270.6/15

diff_bpm4acY_mean vs slug



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

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

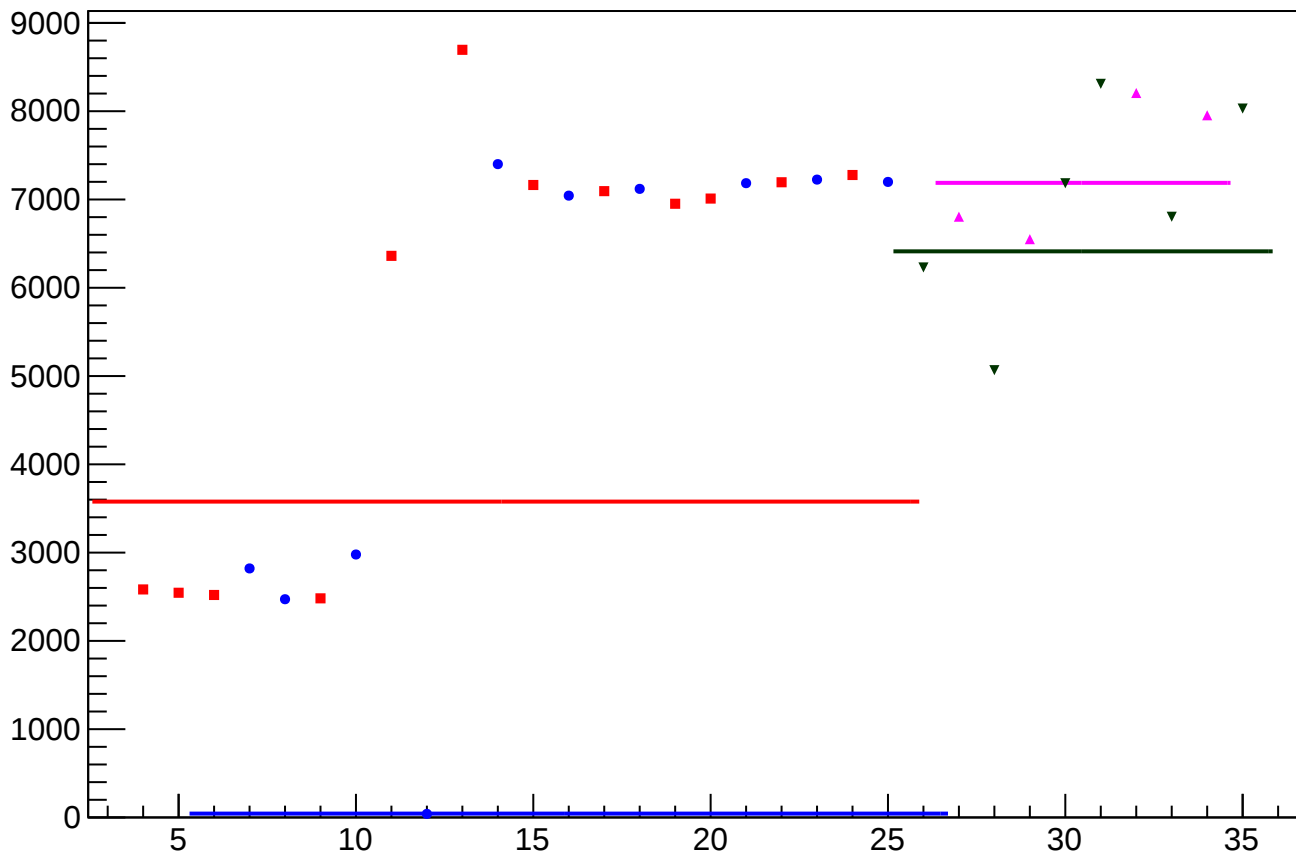
Right Out: -1.741 ± 1.623 $\chi^2/\text{NDF}: 21.6/11$

Left In: 0.886 ± 4.134 $\chi^2/\text{NDF}: 3.9/3$

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

-1.391 ± 1.510 $\chi^2/\text{NDF}: 25.8/15$

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

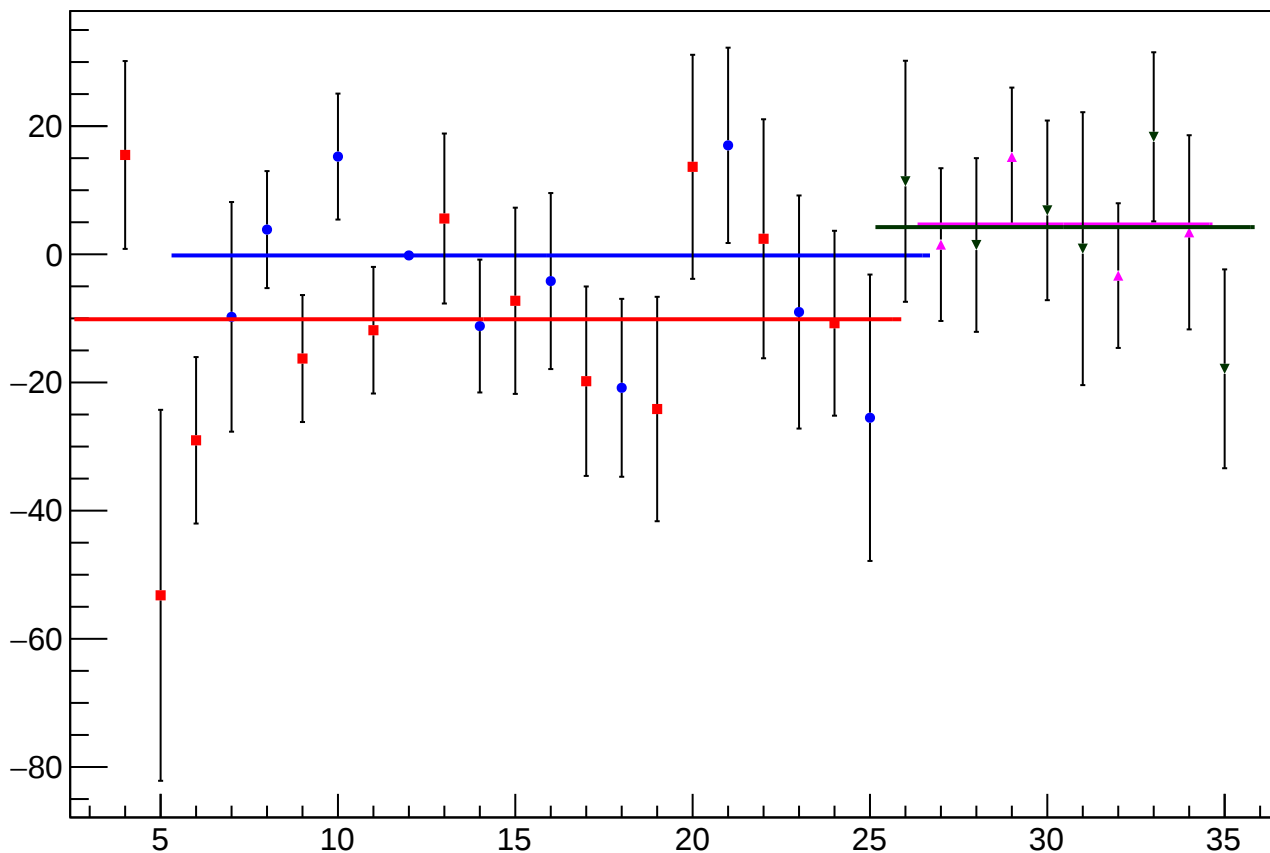
44.848+/-0.037 χ^2 /NDF: 17081800.5/15

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

4059.916+/-1.068 χ^2 /NDF: 4378051.6/15

Left In: 7188.415+/-2.923 χ^2 /NDF:57246.0/3

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

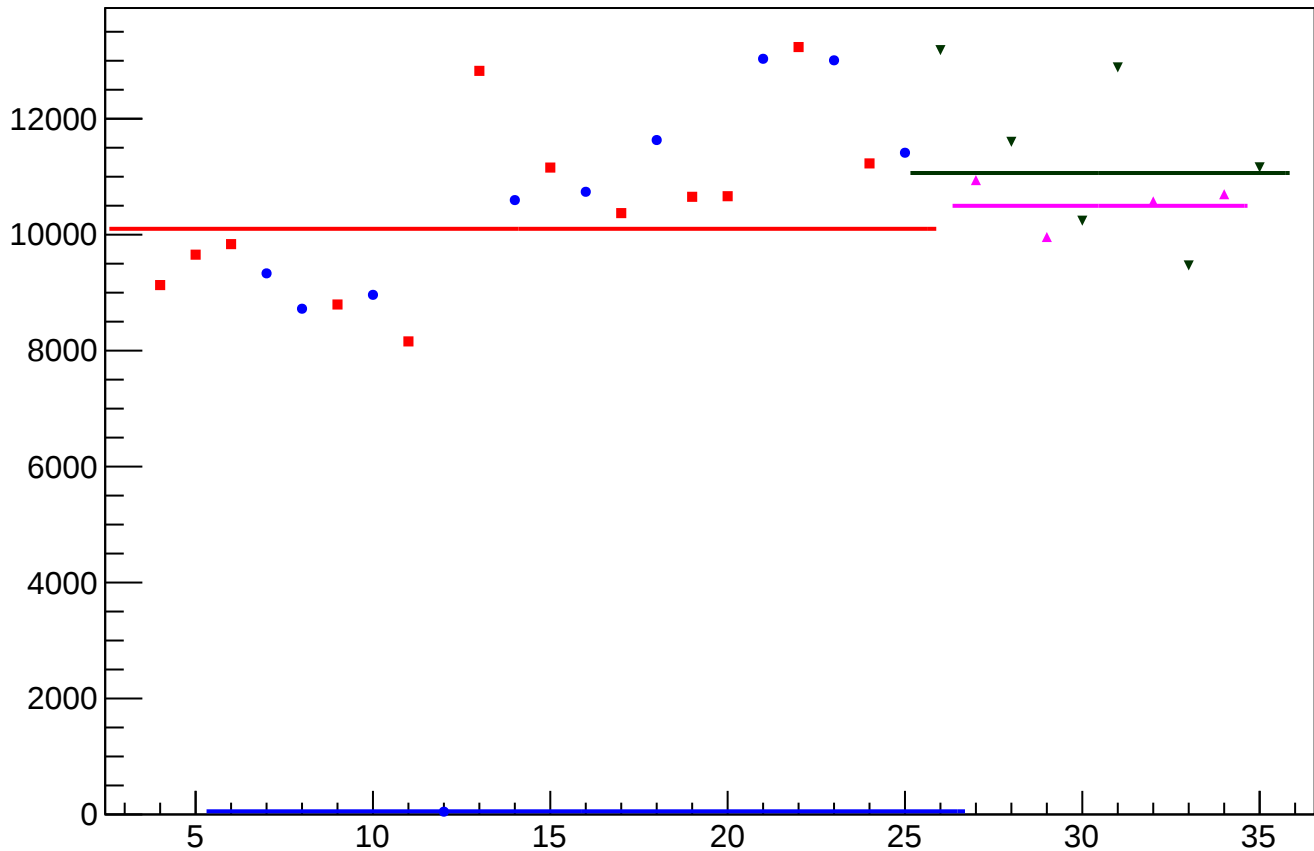
Right Out: -10.134 ± 4.035 χ^2/NDF : 12.6/11

Left In: 4.653 ± 5.999 χ^2/NDF : 1.5/3

-0.176 ± 0.107 χ^2/NDF : 13.1/15

-5.529 ± 3.348 χ^2/NDF : 18.3/15

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

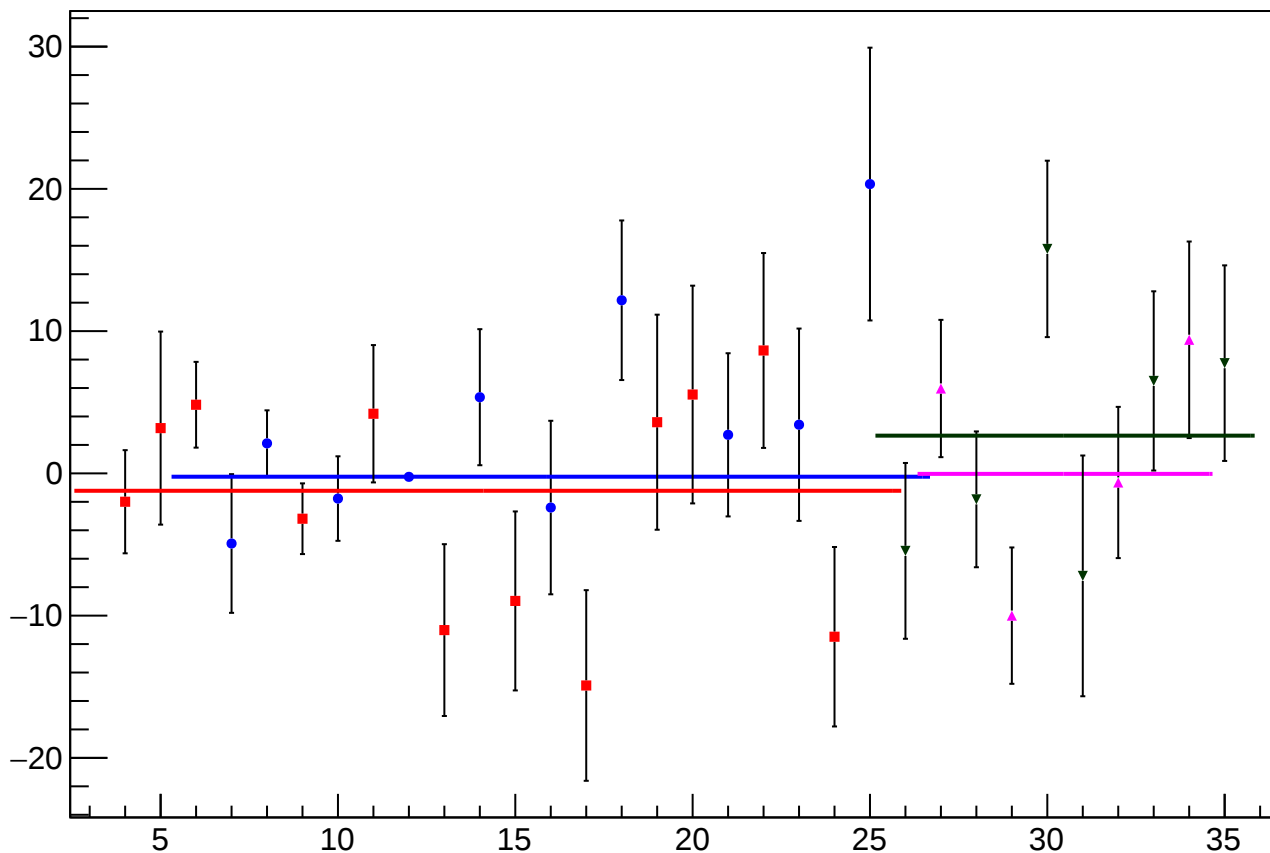
57.538+/-0.075 χ^2/NDF : 17895422.7/15

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

10224.827+/-2.367 χ^2/NDF : 304727.7/15

Left In: 10498.028+/-4.242 χ^2/NDF : 8149.7/3

diff_bpm4ecY_mean vs slug



Right In: -0.234 ± 0.090 χ^2/NDF : 13.8/9

Left Out: 2.652 ± 2.529 χ^2/NDF : 9.4/5

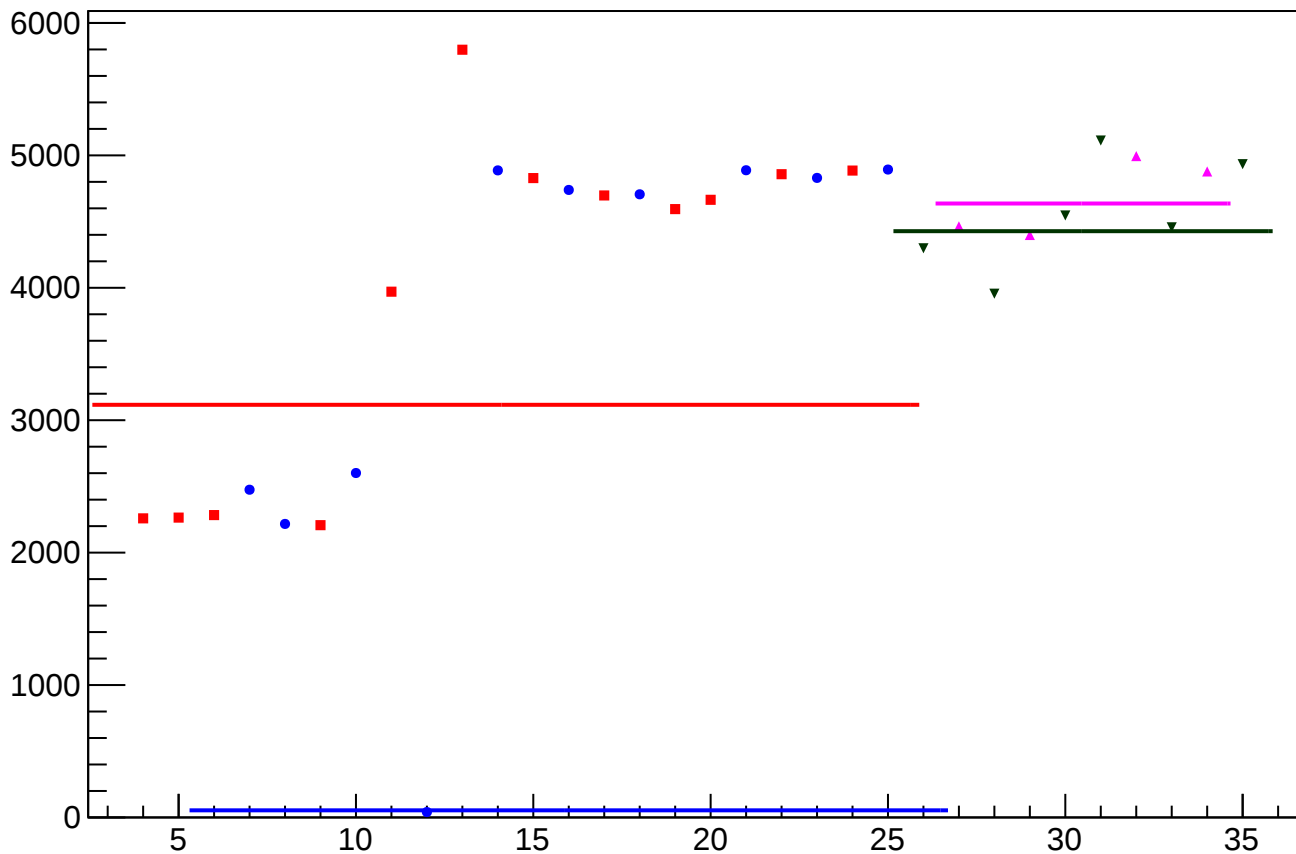
Right Out: -1.223 ± 1.326 χ^2/NDF : 20.6/11

Left In: -0.035 ± 2.646 χ^2/NDF : 7.7/3

-0.231 ± 0.090 χ^2/NDF : 24.4/15

-0.985 ± 1.186 χ^2/NDF : 28.5/15

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

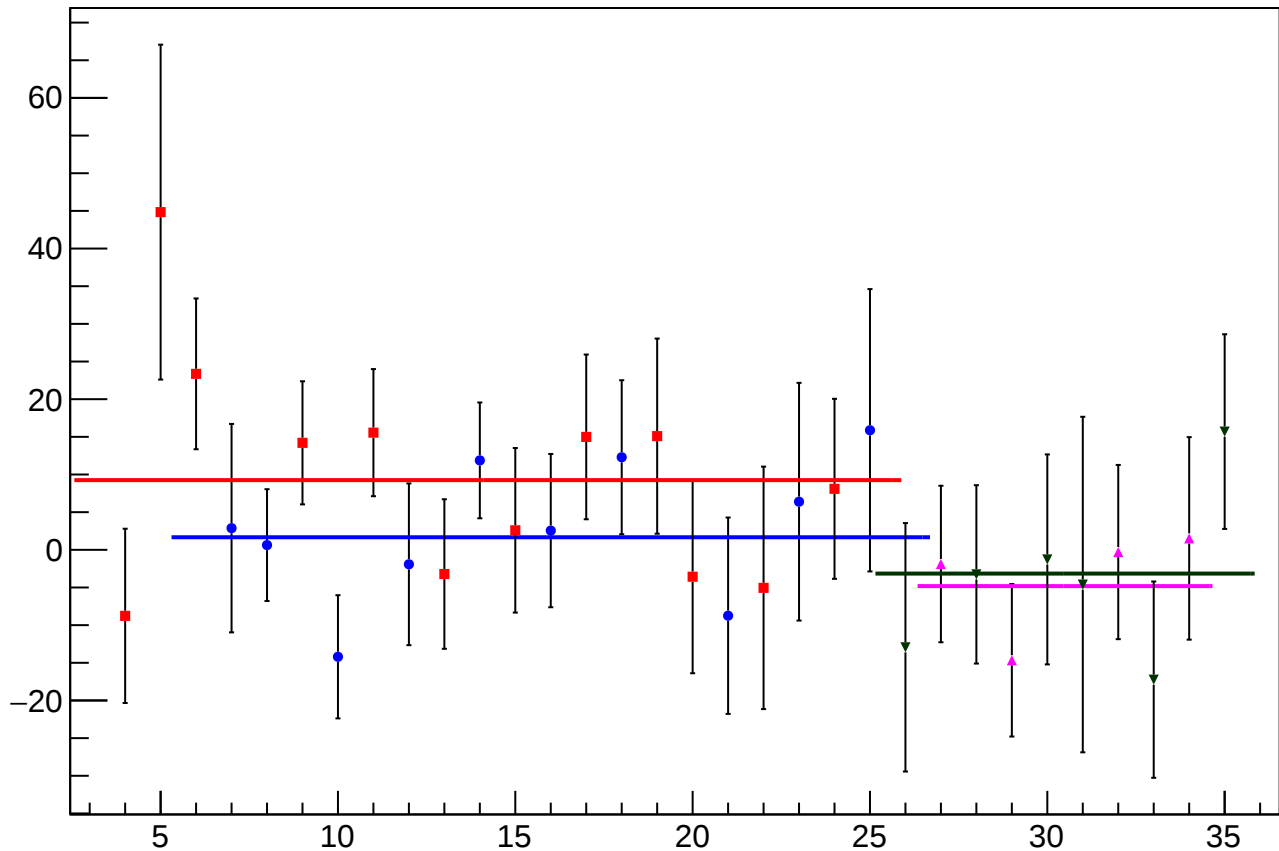
59.337+/-0.064 χ^2/NDF : 17290304.1/15

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

3421.537+/-0.838 χ^2/NDF : 2271413.4/15

Left In: 4636.520+/-1.871 χ^2/NDF : 18995.8/3

diff_bpm1X_mean vs slug



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

Left Out: -3.153 ± 5.788 χ^2/NDF : 3.7/5

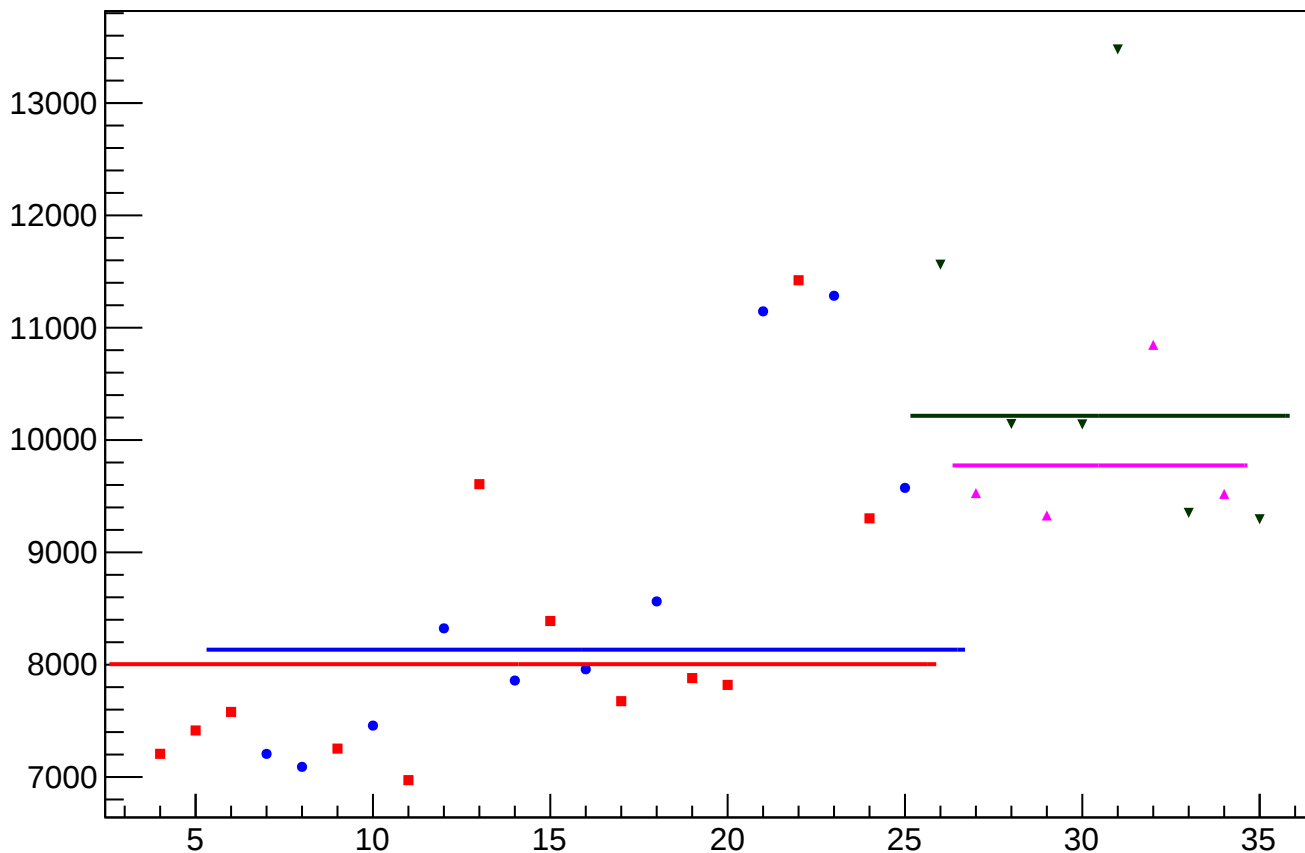
Right Out: 9.254 ± 3.190 χ^2/NDF : 12.1/11

Left In: -4.818 ± 5.588 χ^2/NDF : 1.4/3

0.525 ± 2.820 χ^2/NDF : 12.3/15

5.796 ± 2.770 χ^2/NDF : 18.3/15

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

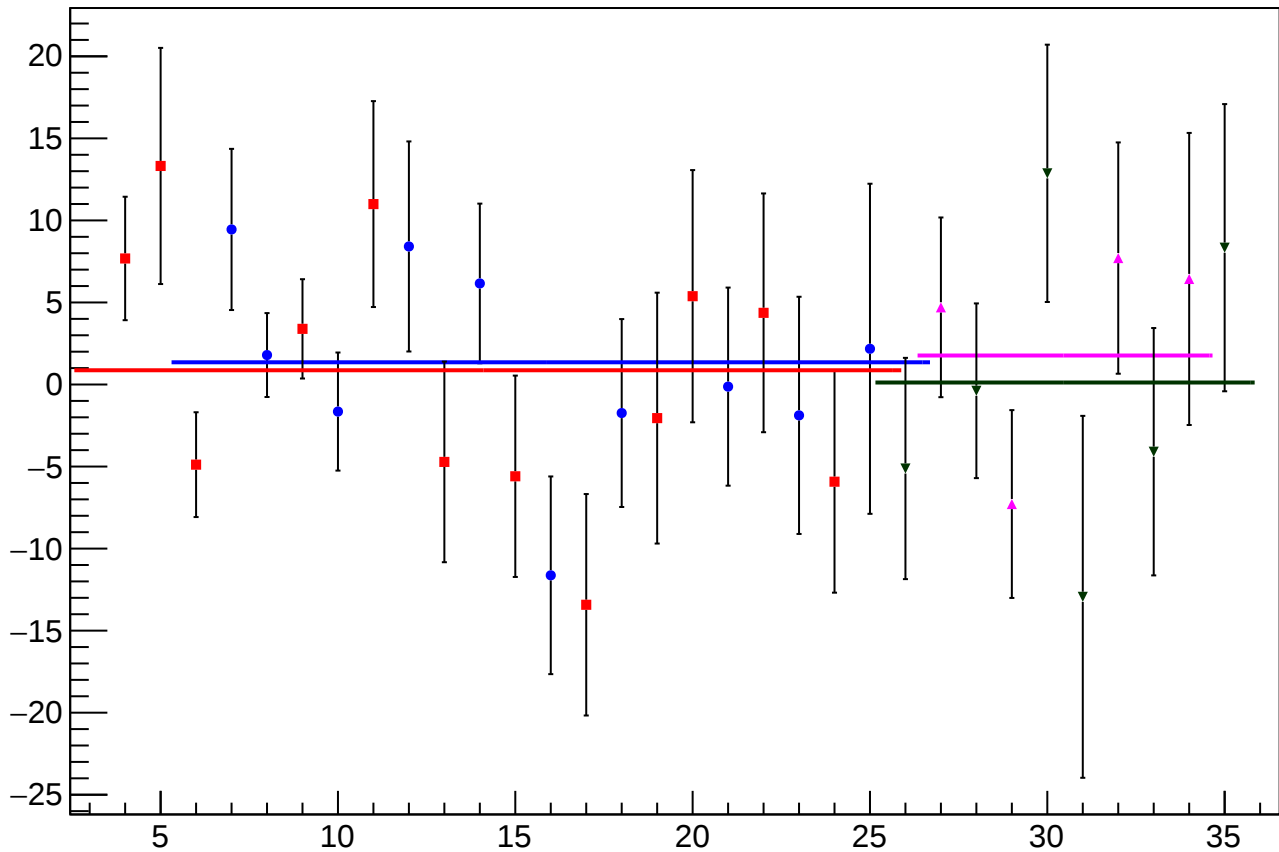
Right Out: 8004.585+/-2.255 χ^2/NDF : 232190.6/11

Left In: 9773.980+/-3.951 χ^2/NDF : 22934.4/3

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

8439.467+/-1.959 χ^2/NDF : 406381.0/15

diff_bpm1Y_mean vs slug



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

Left Out: 0.122+/-2.982 χ^2/NDF : 5.9/5

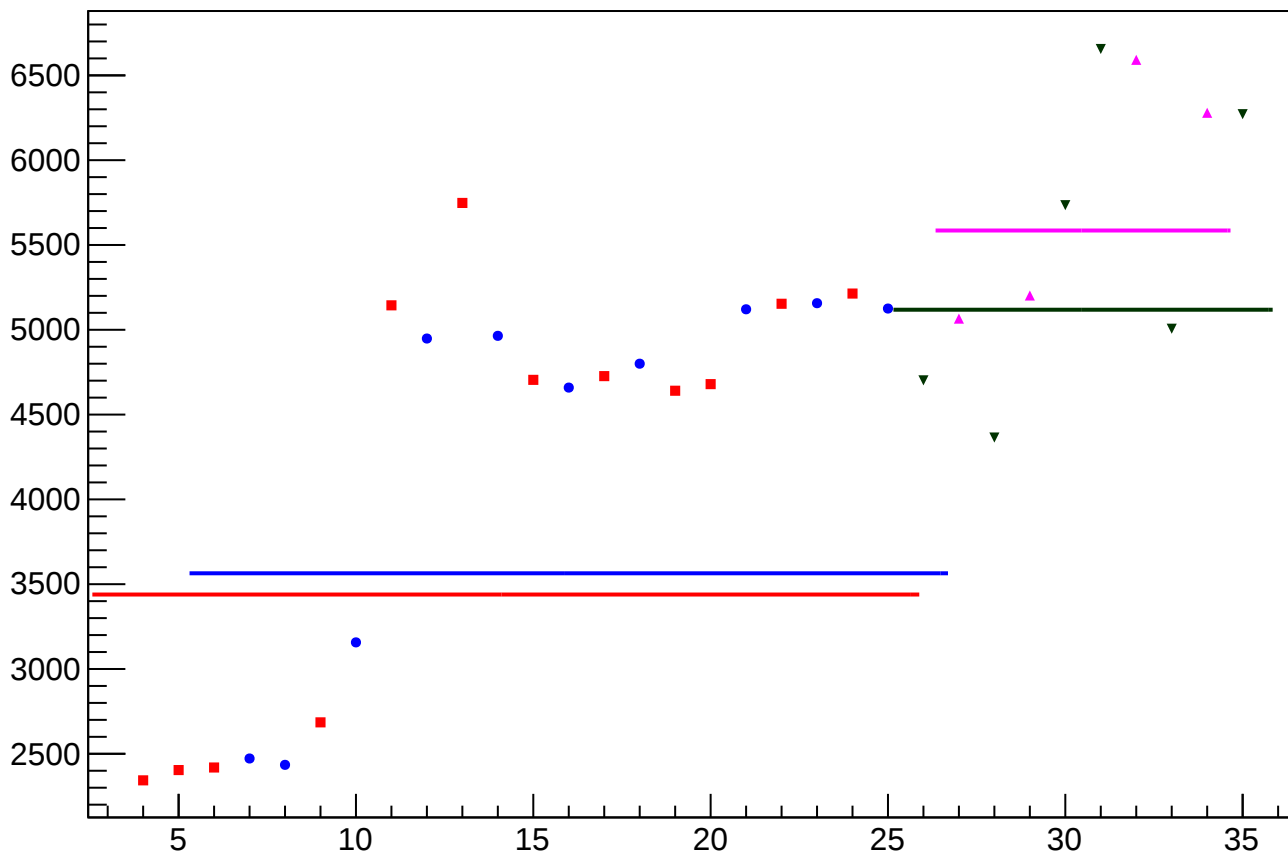
Right Out: 0.868+/-1.454 χ^2/NDF : 21.0/11

Left In: 1.768+/-3.217 χ^2/NDF : 3.8/3

1.109+/-1.330 χ^2/NDF : 16.8/15

1.021+/-1.325 χ^2/NDF : 24.8/15

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

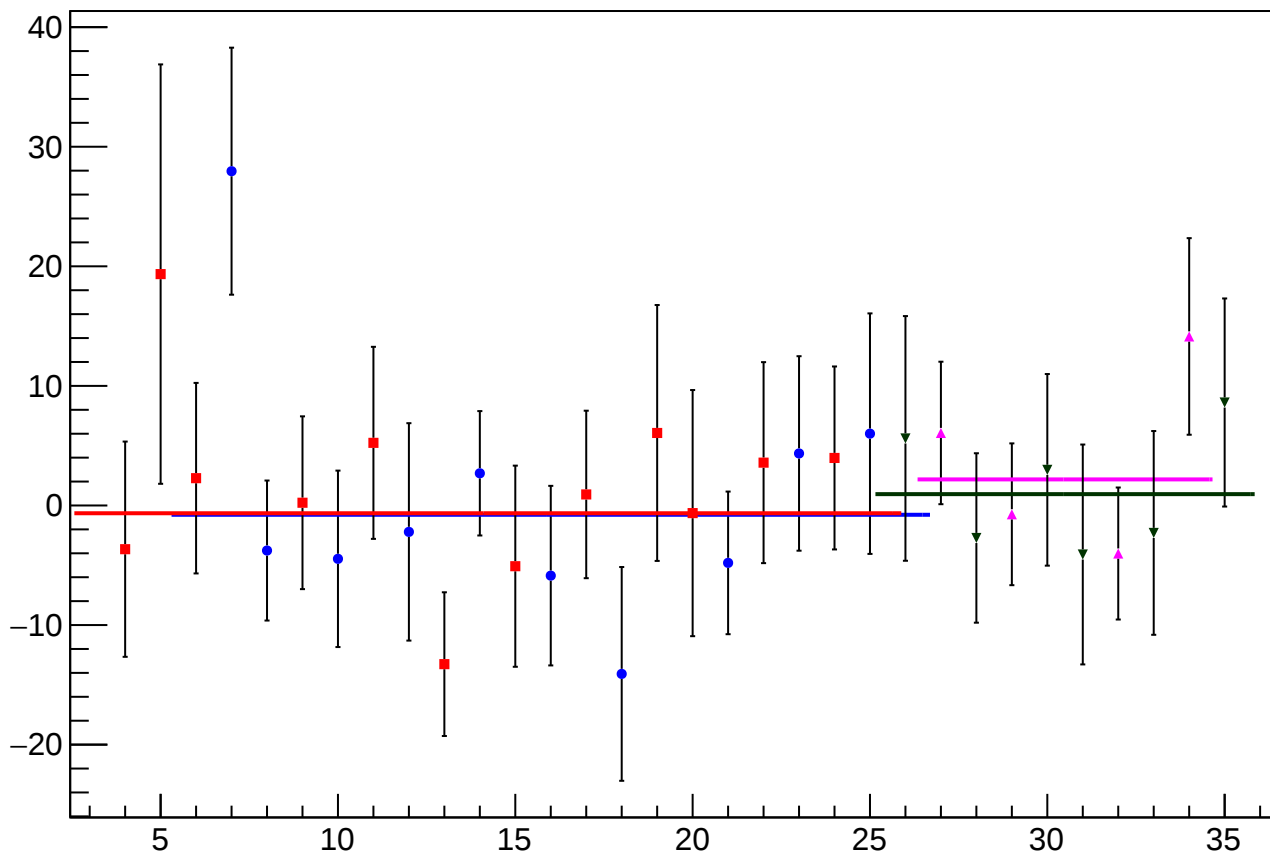
Right Out: 3439.033+/-1.028 χ^2/NDF : 1480366.2/11

Left In: 5585.356+/-2.275 χ^2/NDF :79909.9/3

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

3803.301+/-0.937 χ^2/NDF : 2299501.0/15

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

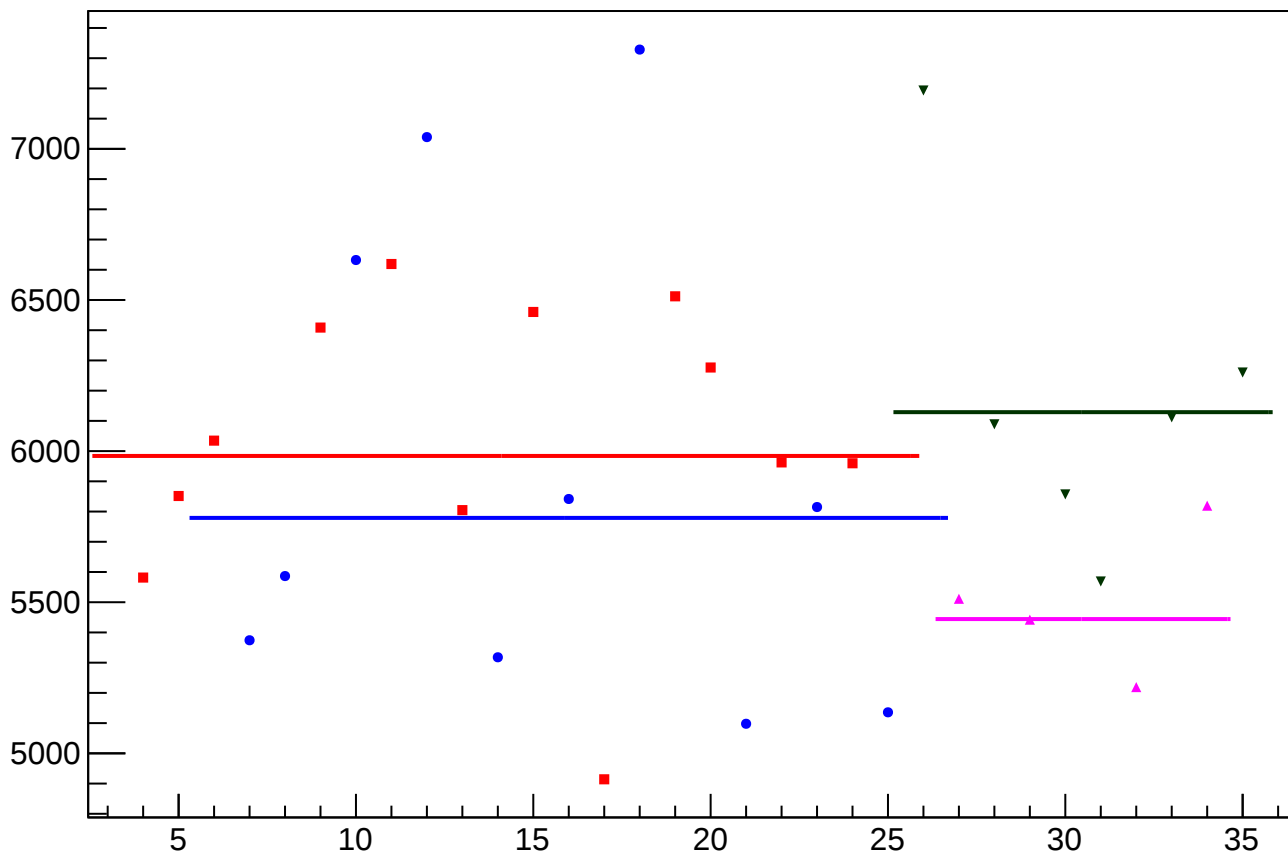
Right Out: -0.650 ± 2.373 χ^2/NDF : 7.8/11

Left In: 2.180 ± 3.097 χ^2/NDF : 4.0/3

-0.248 ± 1.913 χ^2/NDF : 14.6/15

0.396 ± 1.883 χ^2/NDF : 12.4/15

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

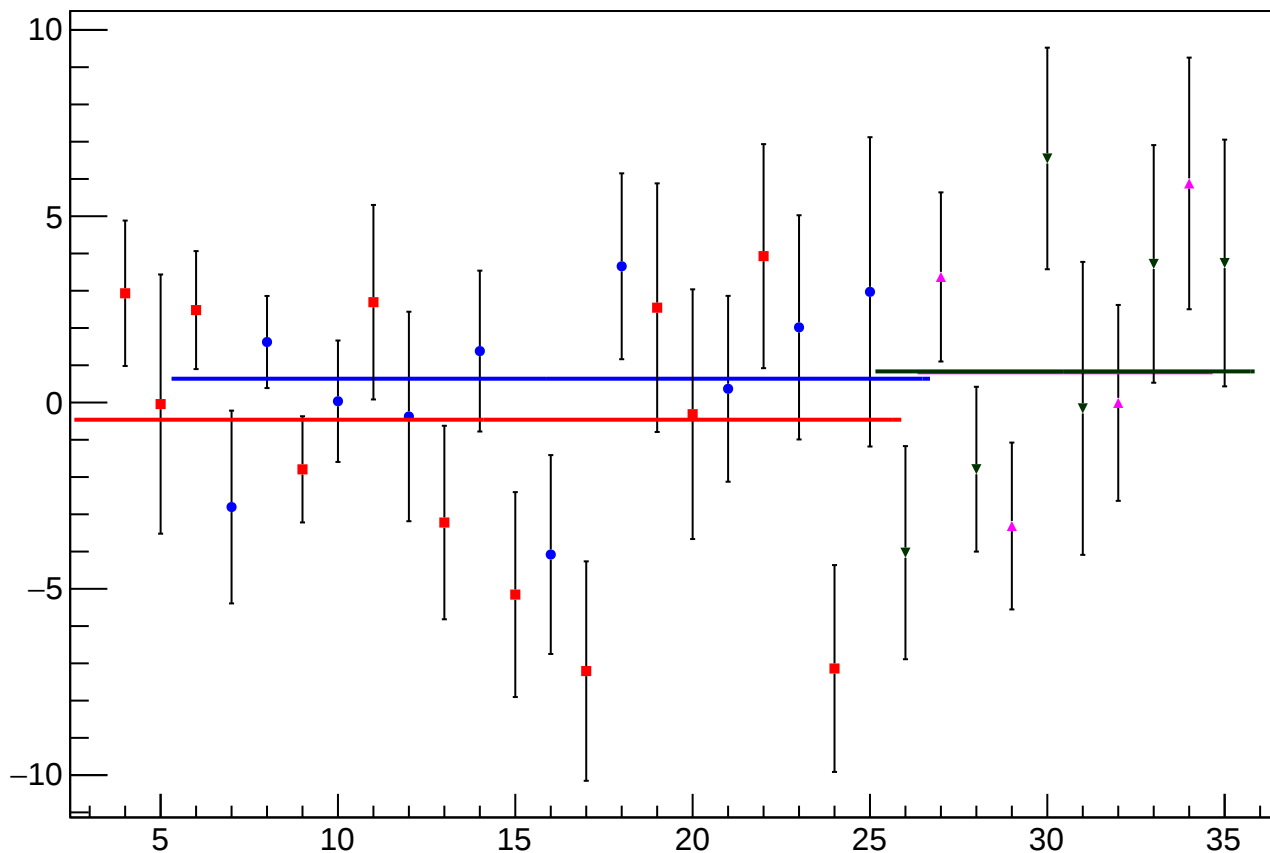
Right Out: 5983.998+/-1.678 χ^2/NDF : 85007.6/11

Left In: 5444.280+/-2.190 χ^2/NDF : 7745.5/3

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

5784.408+/-1.332 χ^2/NDF : 131026.3/15

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

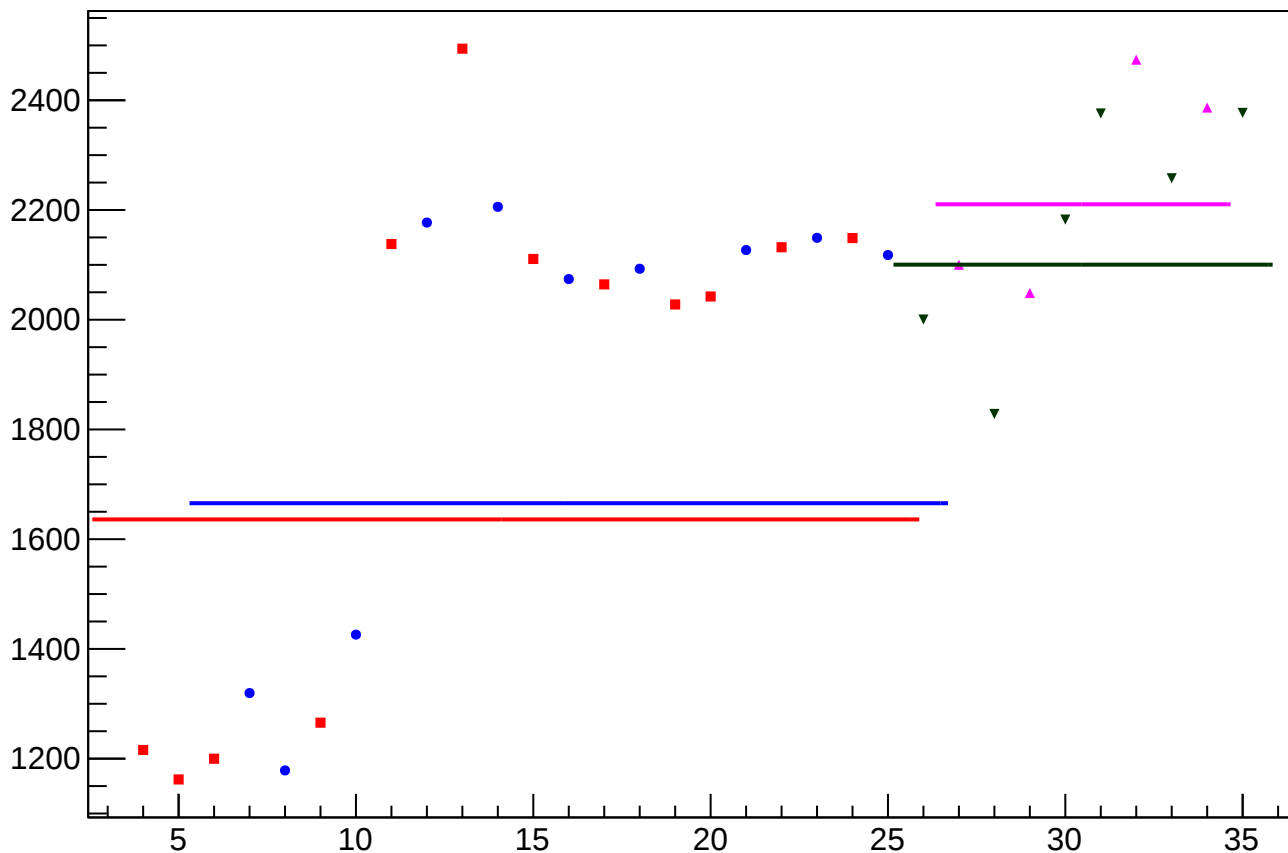
Right Out: -0.461 ± 0.674 χ^2/NDF : 26.8/11

Left In: 0.811 ± 1.264 χ^2/NDF : 7.0/3

0.687 ± 0.593 χ^2/NDF : 17.6/15

-0.179 ± 0.595 χ^2/NDF : 34.6/15

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

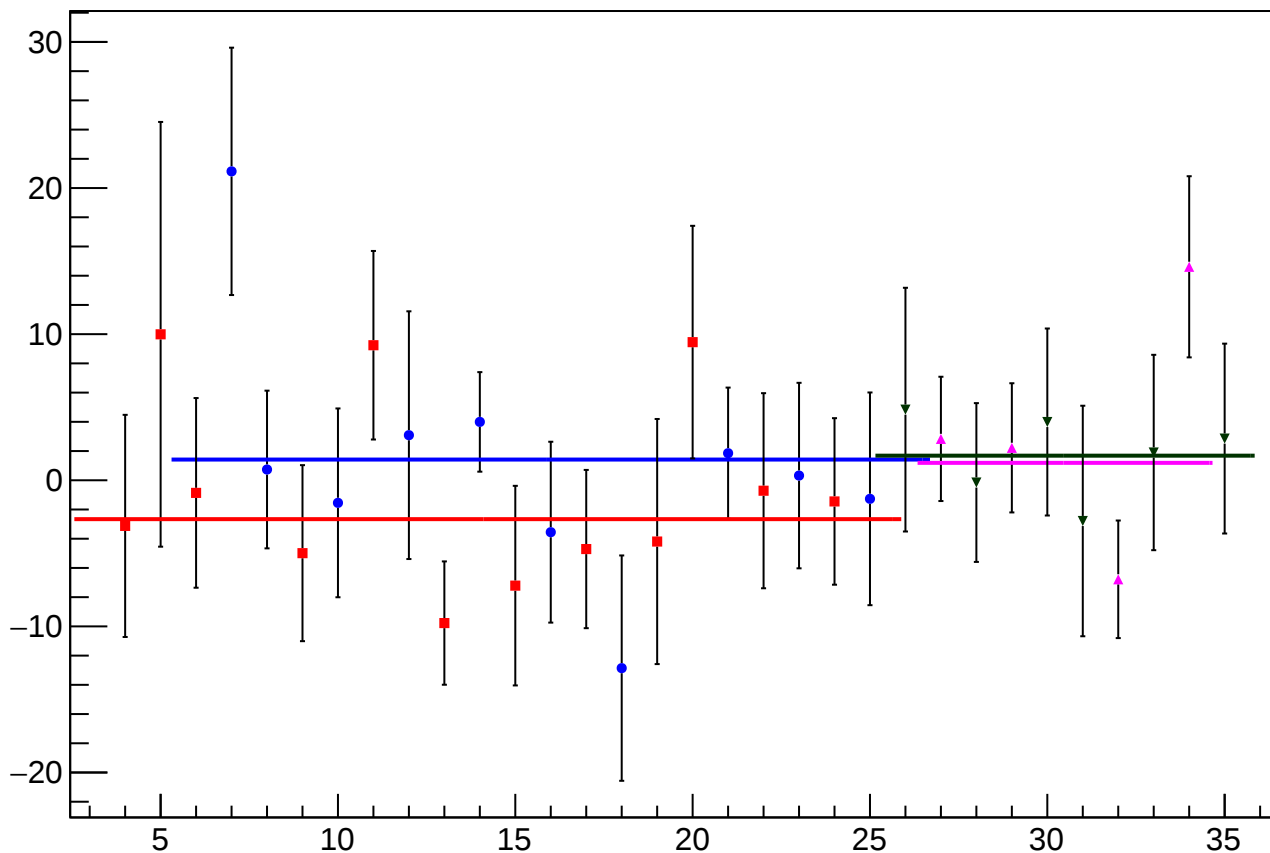
Right Out: 1636.018+/-0.477 χ^2/NDF : 990659.4/11

Left In: 2210.403+/-0.894 χ^2/NDF : 40681.5/3

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

1763.315+/-0.421 χ^2/NDF : 1352816.5/15

diff_bpm12X_mean vs slug



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

Left Out: 1.684 ± 2.724 χ^2/NDF : 0.7/5

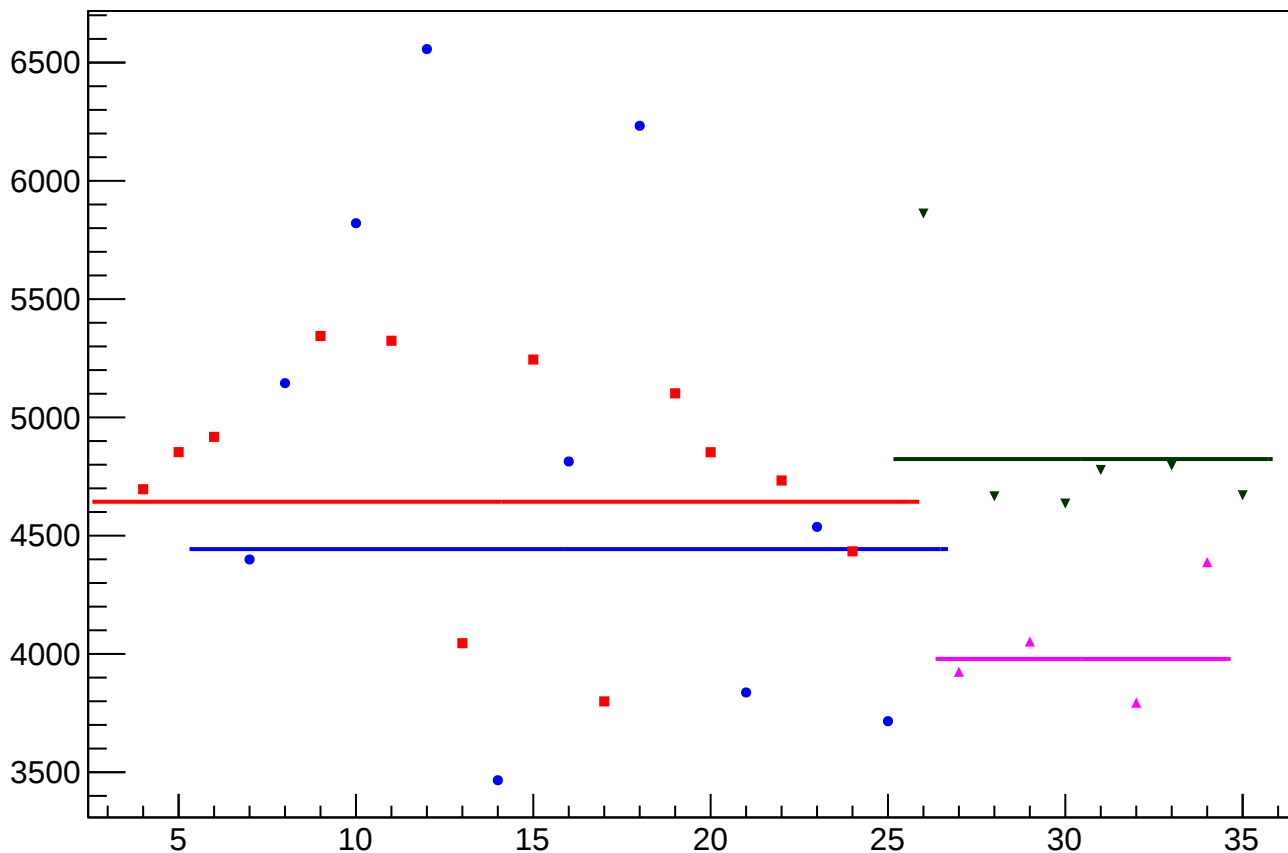
Right Out: -2.661 ± 1.850 χ^2/NDF : 10.3/11

Left In: 1.192 ± 2.269 χ^2/NDF : 8.8/3

1.499 ± 1.502 χ^2/NDF : 11.3/15

-1.122 ± 1.434 χ^2/NDF : 20.8/15

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

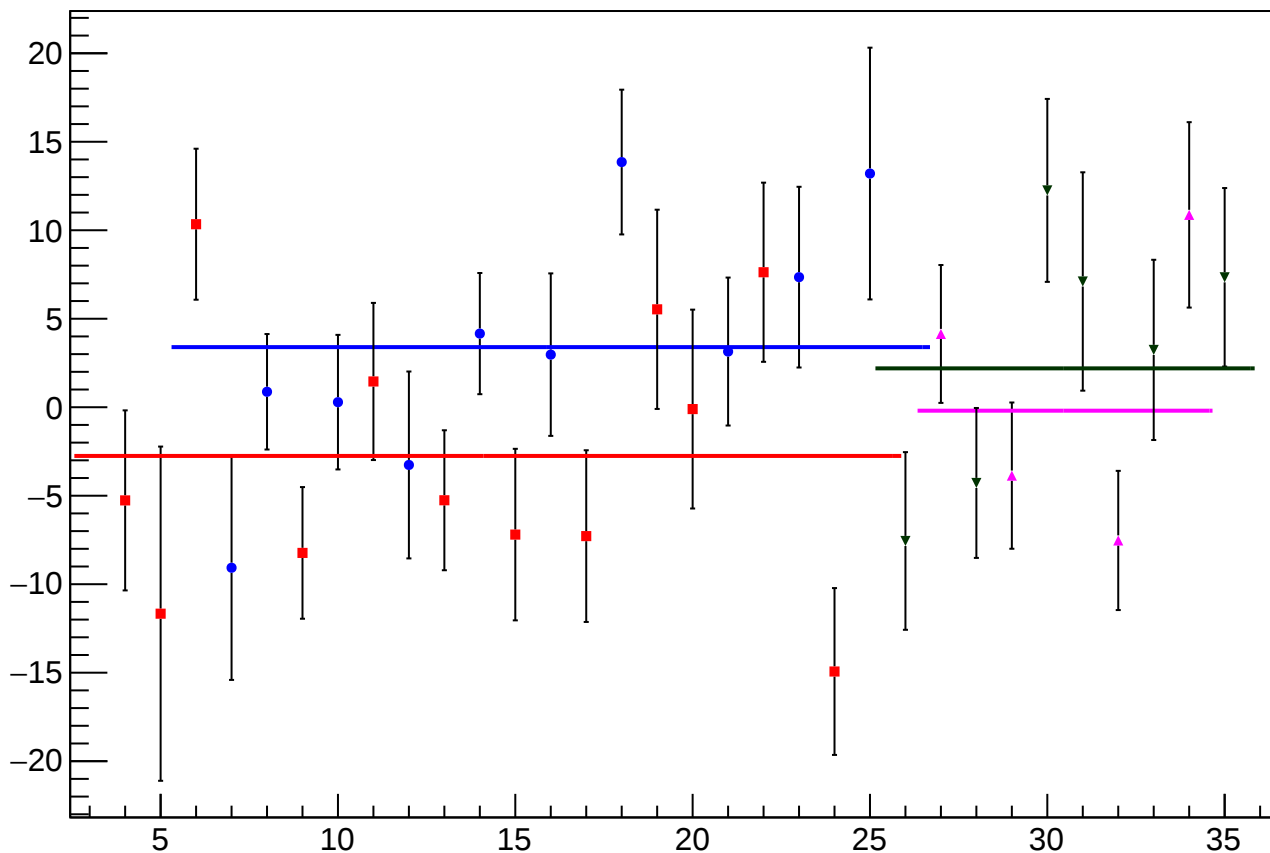
Right Out: 4643.387+/-1.308 χ^2/NDF : 168050.7/11

Left In: 3978.888+/-1.604 χ^2/NDF : 13810.1/3

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

4378.057+/-1.014 χ^2/NDF : 284911.4/15

diff_bpm12Y_mean vs slug



Right In: 3.397 ± 1.371 χ^2/NDF : 15.8/9

Left Out: 2.196 ± 2.054 χ^2/NDF : 11.6/5

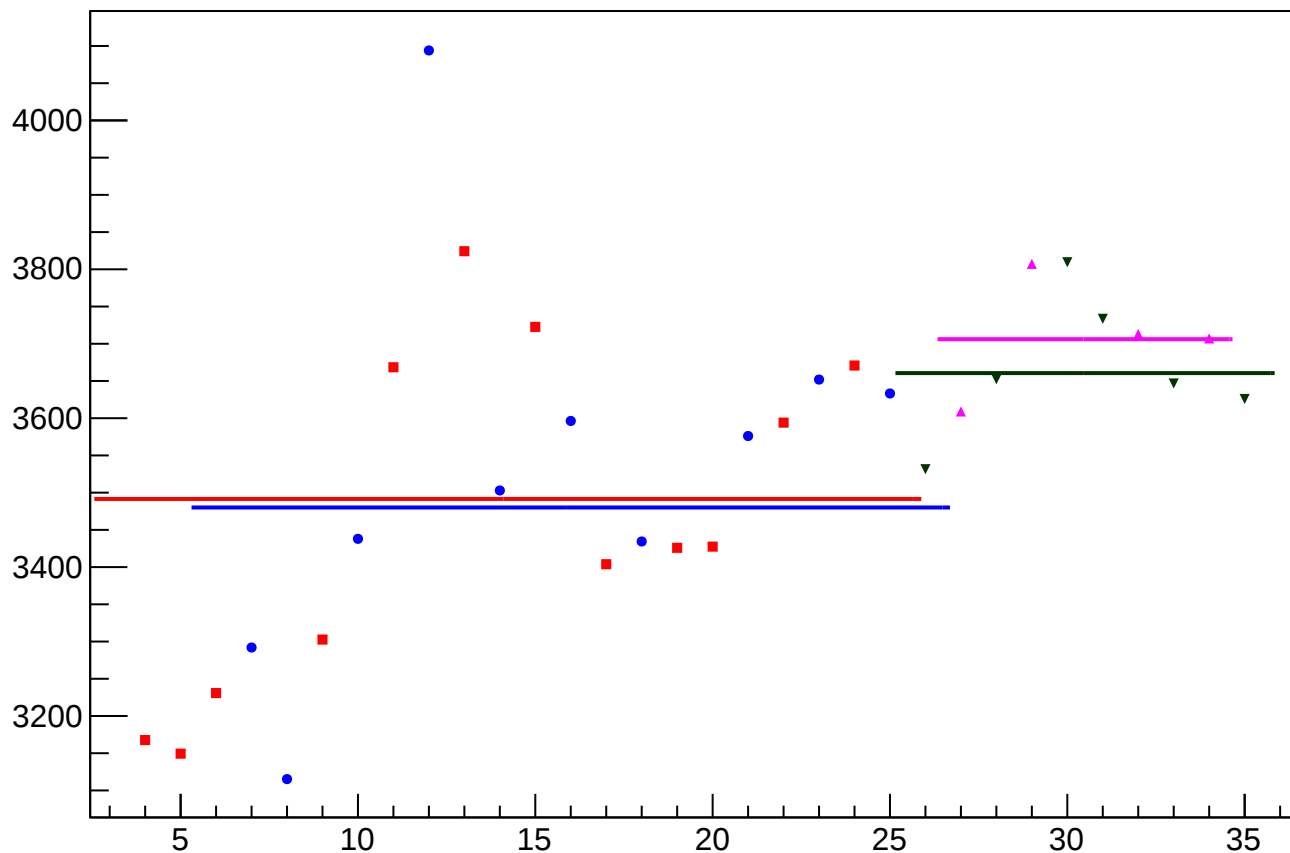
Right Out: -2.752 ± 1.381 χ^2/NDF : 29.0/11

Left In: -0.196 ± 2.106 χ^2/NDF : 10.0/3

3.026 ± 1.140 χ^2/NDF : 27.7/15

-1.983 ± 1.155 χ^2/NDF : 40.0/15

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

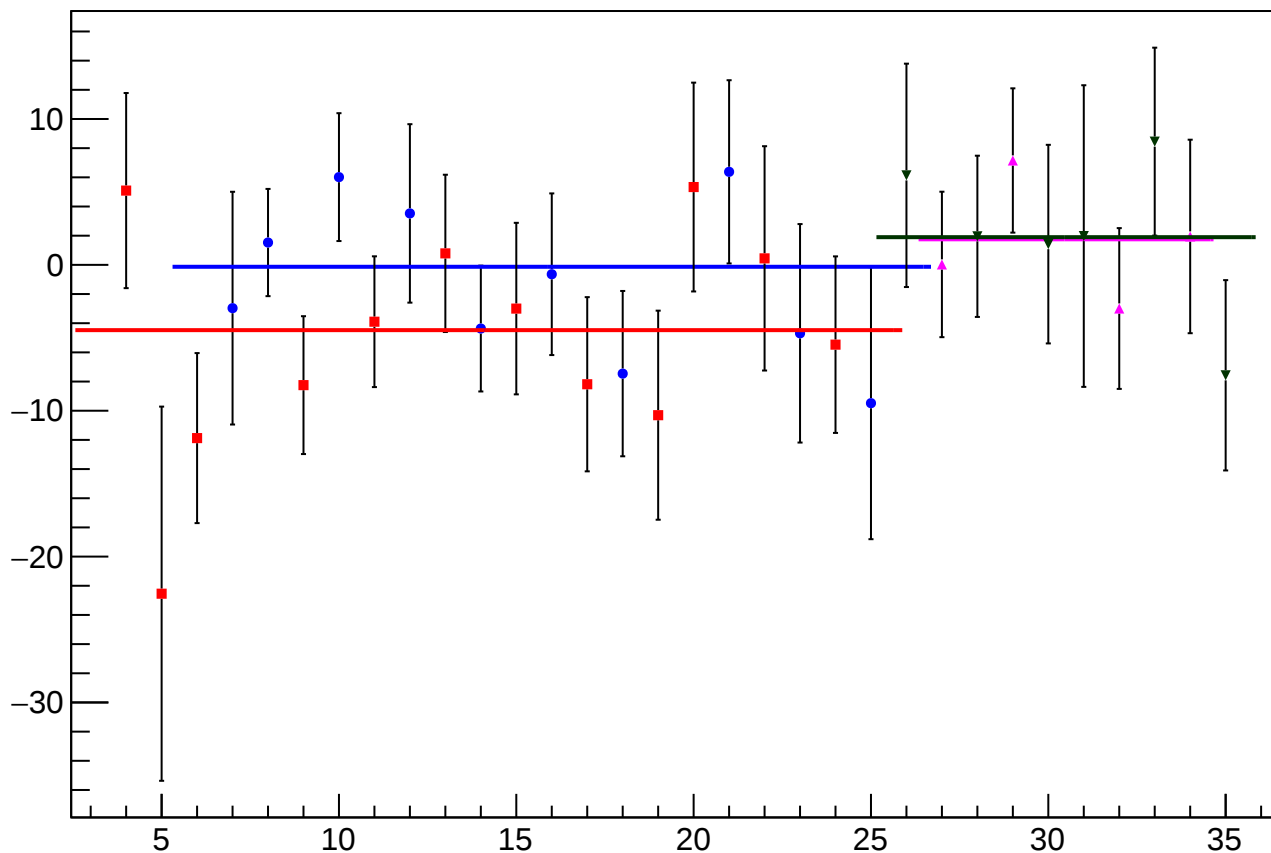
Right Out: 3491.537+/-0.977 χ^2/NDF : 50144.5/11

Left In: 3706.195+/-1.489 χ^2/NDF : 2448.6/3

3535.723+/-0.806 χ^2/NDF : 73983.7/15

3556.124+/-0.817 χ^2/NDF : 67125.6/15

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

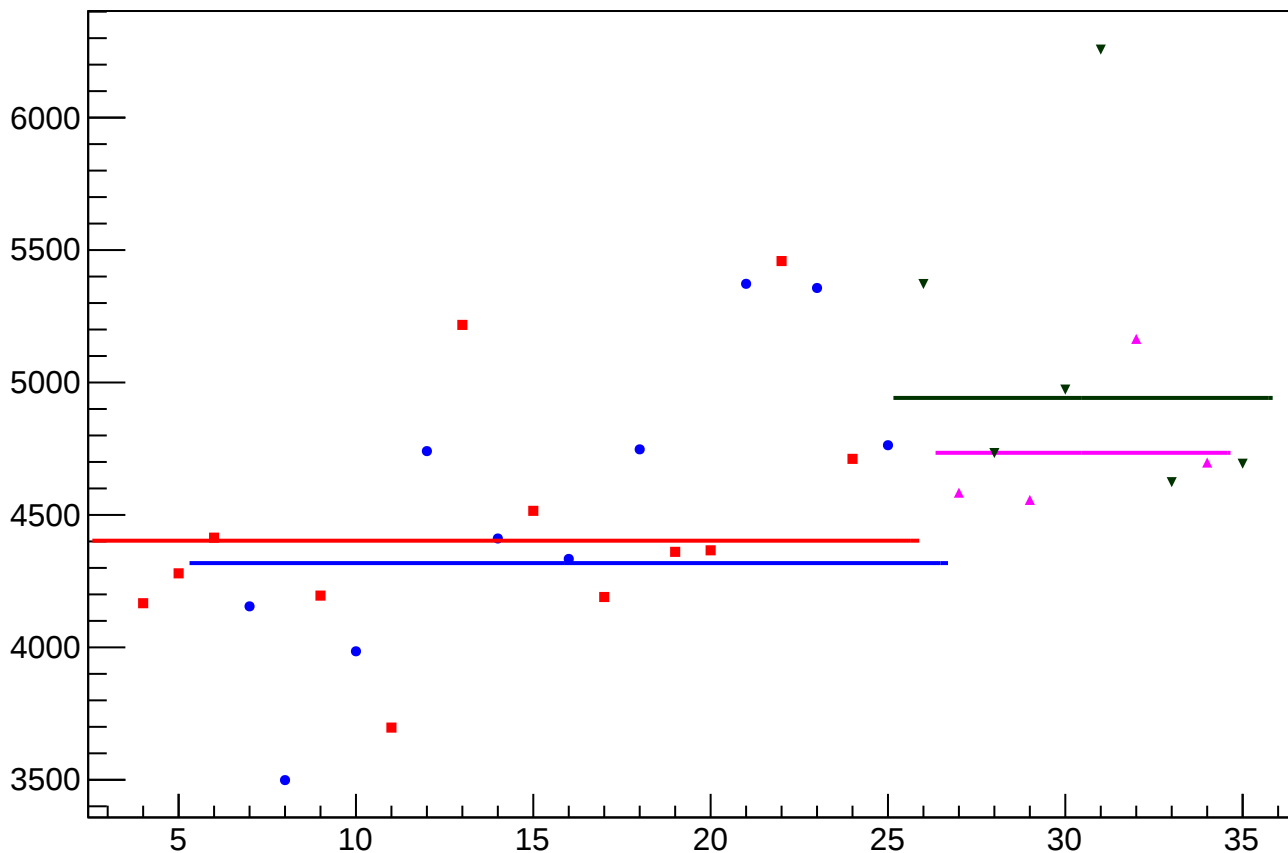
Right Out: -4.476 ± 1.749 χ^2/NDF : 10.7/11

Left In: 1.751 ± 2.704 χ^2/NDF : 2.1/3

0.424 ± 1.460 χ^2/NDF : 11.6/15

-2.640 ± 1.468 χ^2/NDF : 16.5/15

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

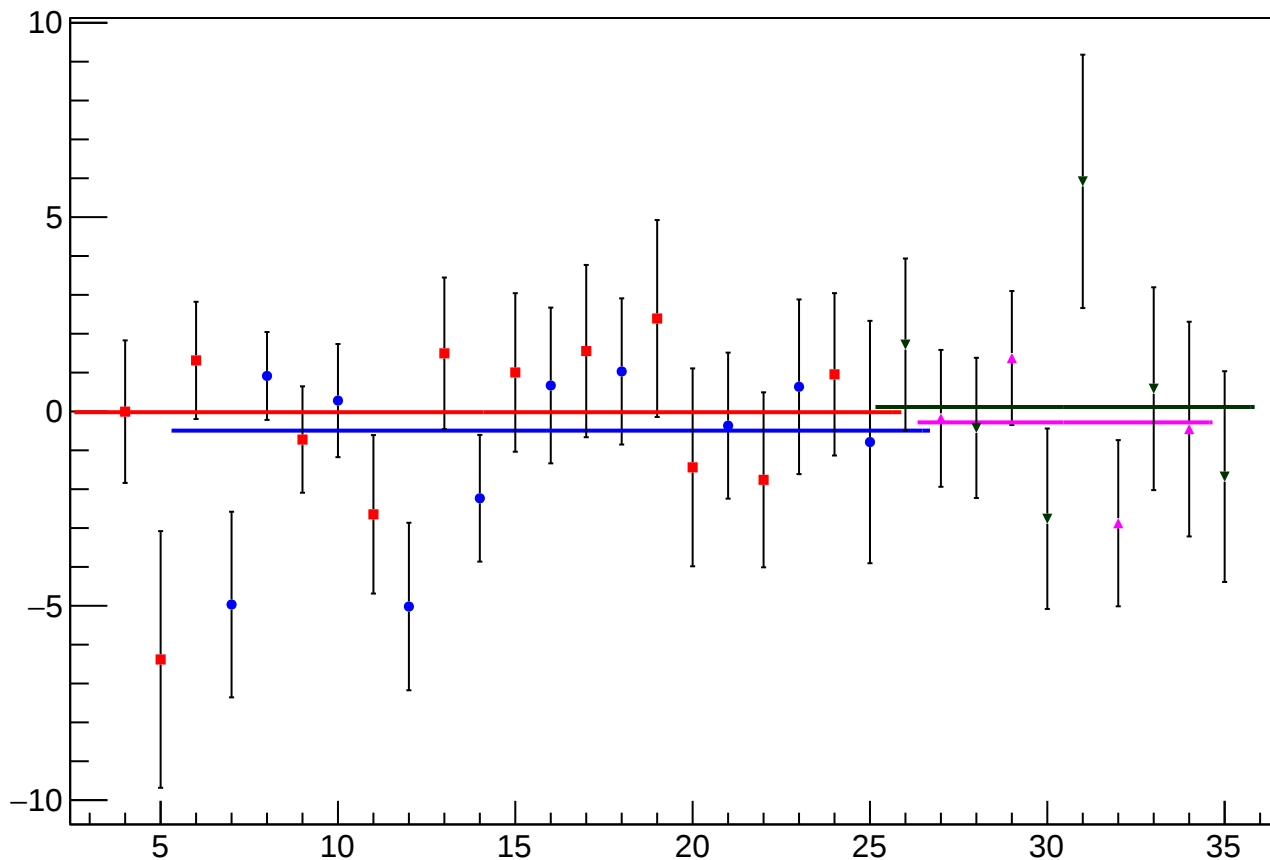
Right Out: 4402.778+/-1.237 χ^2/NDF : 148052.0/11

Left In: 4734.561+/-1.912 χ^2/NDF : 16647.6/3

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

4500.615+/-1.038 χ^2/NDF : 185928.3/15

diff_bpm16Y_mean vs slug



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

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

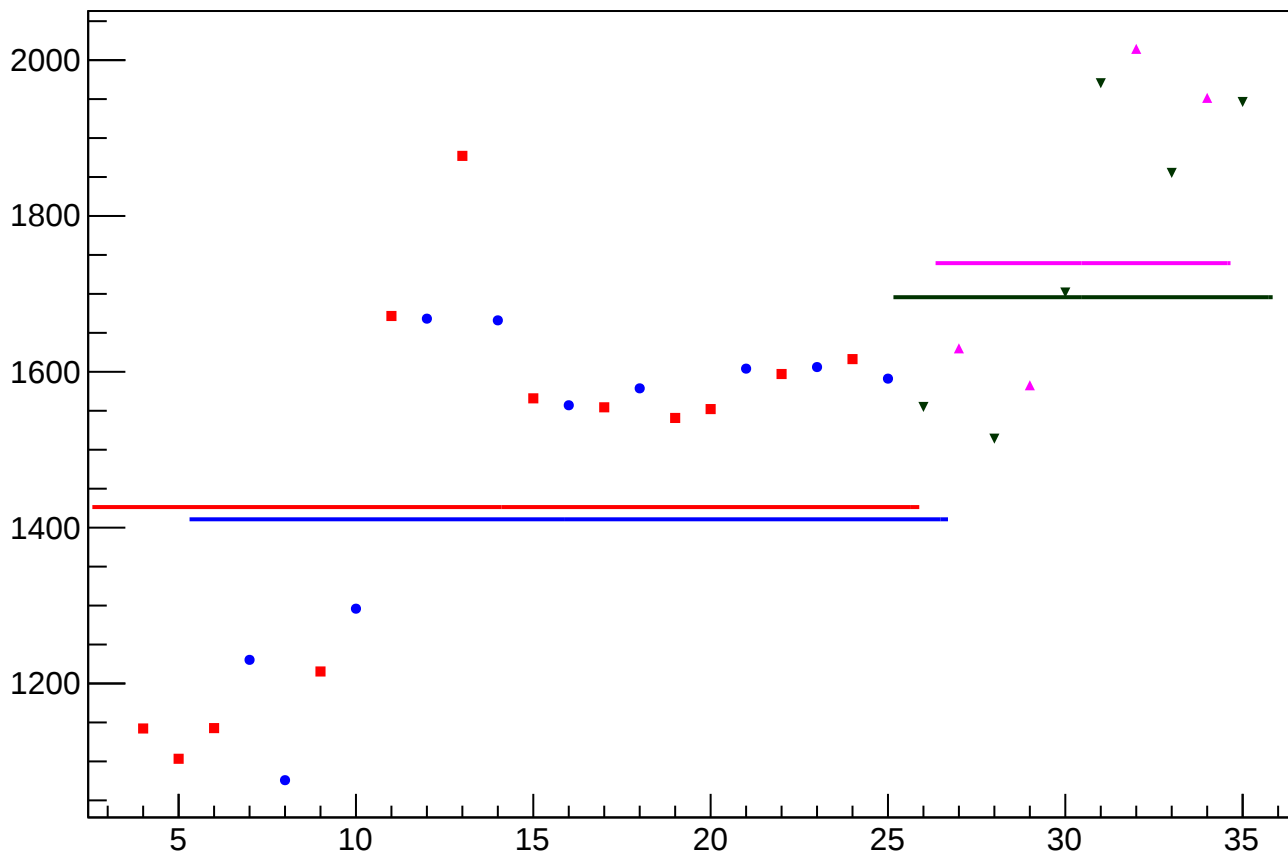
Right Out: -0.019 ± 0.573 $\chi^2/\text{NDF}: 9.8/11$

Left In: -0.281 ± 0.996 $\chi^2/\text{NDF}: 2.4/3$

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

-0.084 ± 0.497 $\chi^2/\text{NDF}: 12.3/15$

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

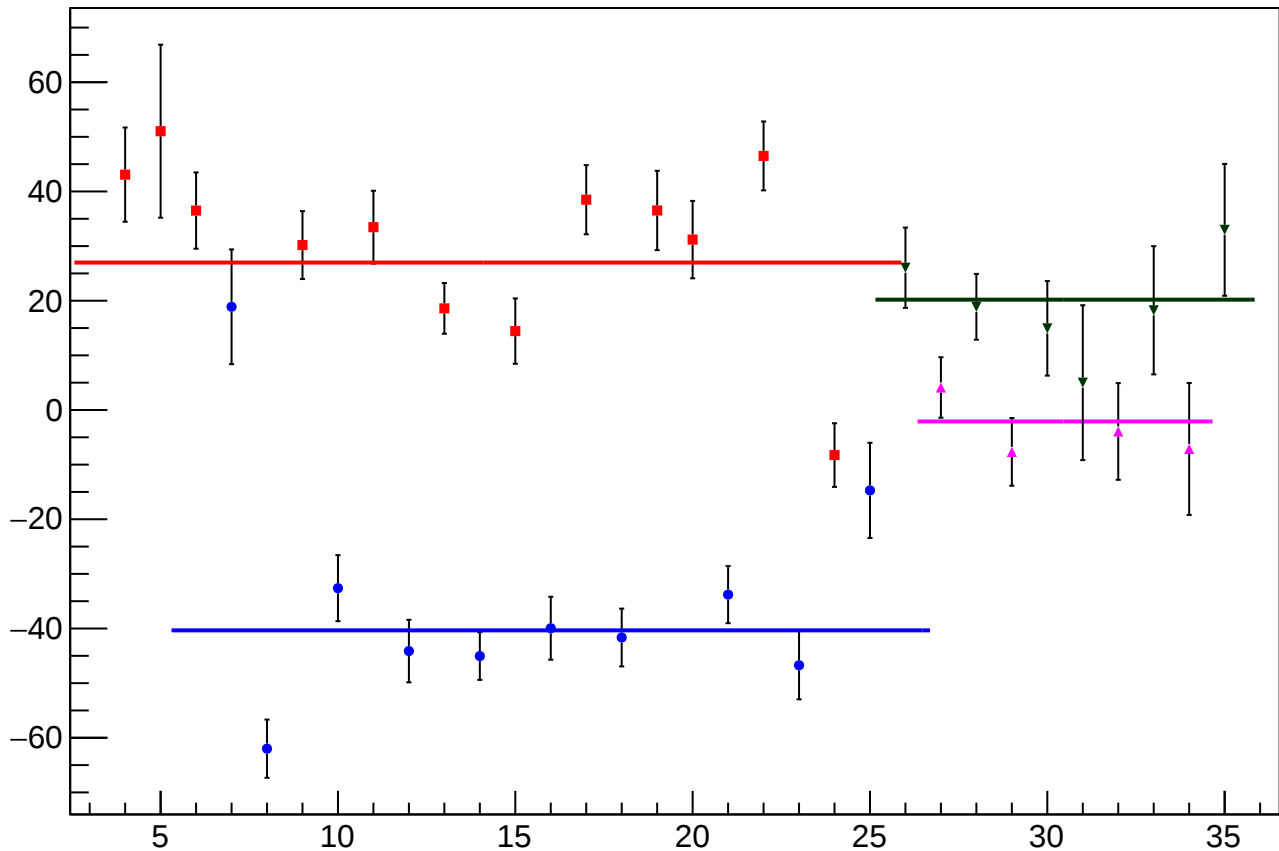
Right Out: 1426.417 $\pm$ 0.405 χ^2 /NDF: 374185.0/11

Left In: 1739.458 $\pm$ 0.704 χ^2 /NDF:69120.8/3

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

1504.285 $\pm$ 0.351 χ^2 /NDF: 591822.8/15

diff_bpm0l01X_mean vs slug



Right In: -40.337 $\pm$ 1.838 χ^2 /NDF: 62.9/9

-27.644 $\pm$ 1.634 χ^2 /NDF: 293.7/15

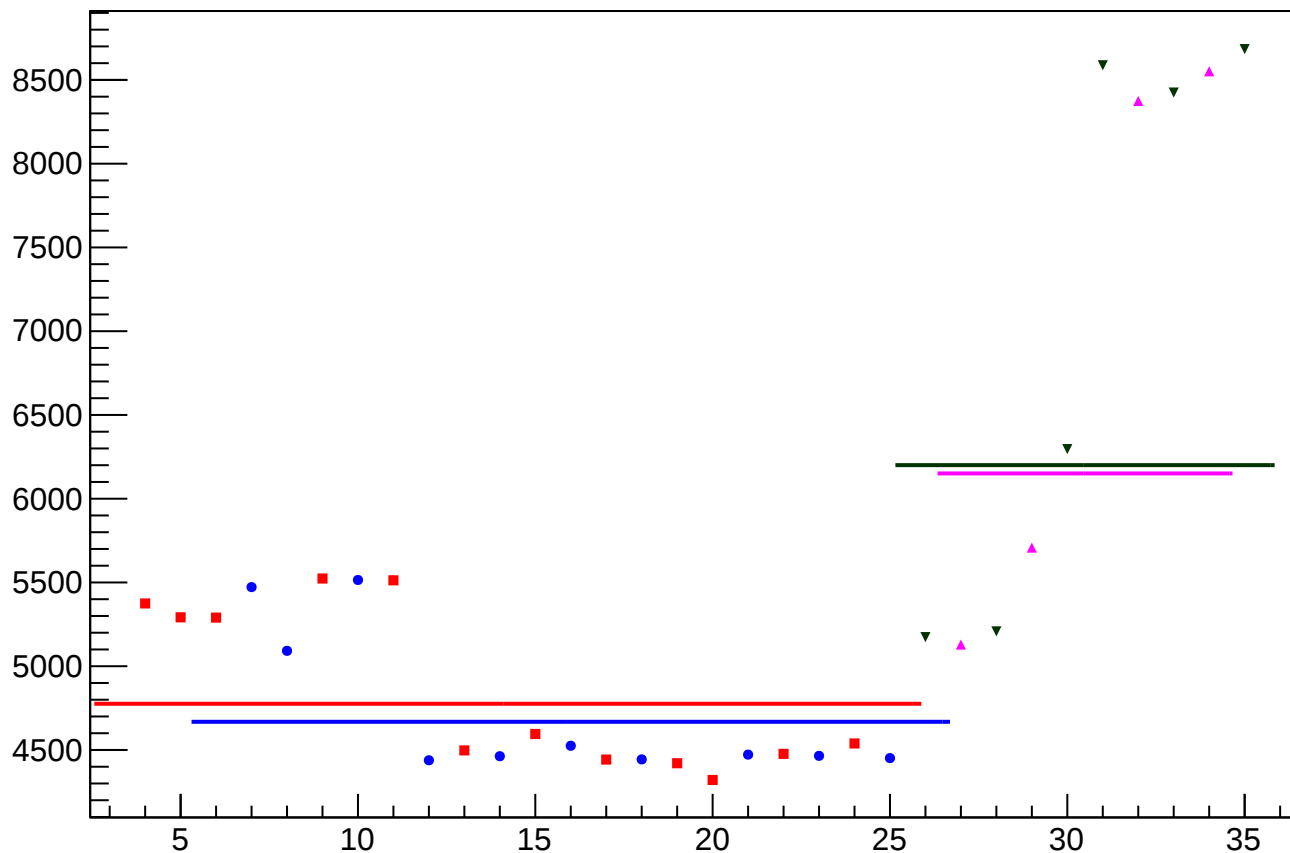
Left Out: 20.197 $\pm$ 3.568 χ^2 /NDF: 3.3/5

Right Out: 26.988 $\pm$ 1.893 χ^2 /NDF: 68.1/11

20.614 $\pm$ 1.673 χ^2 /NDF: 122.1/15

Left In: -2.101 $\pm$ 3.574 χ^2 /NDF: 2.3/3

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

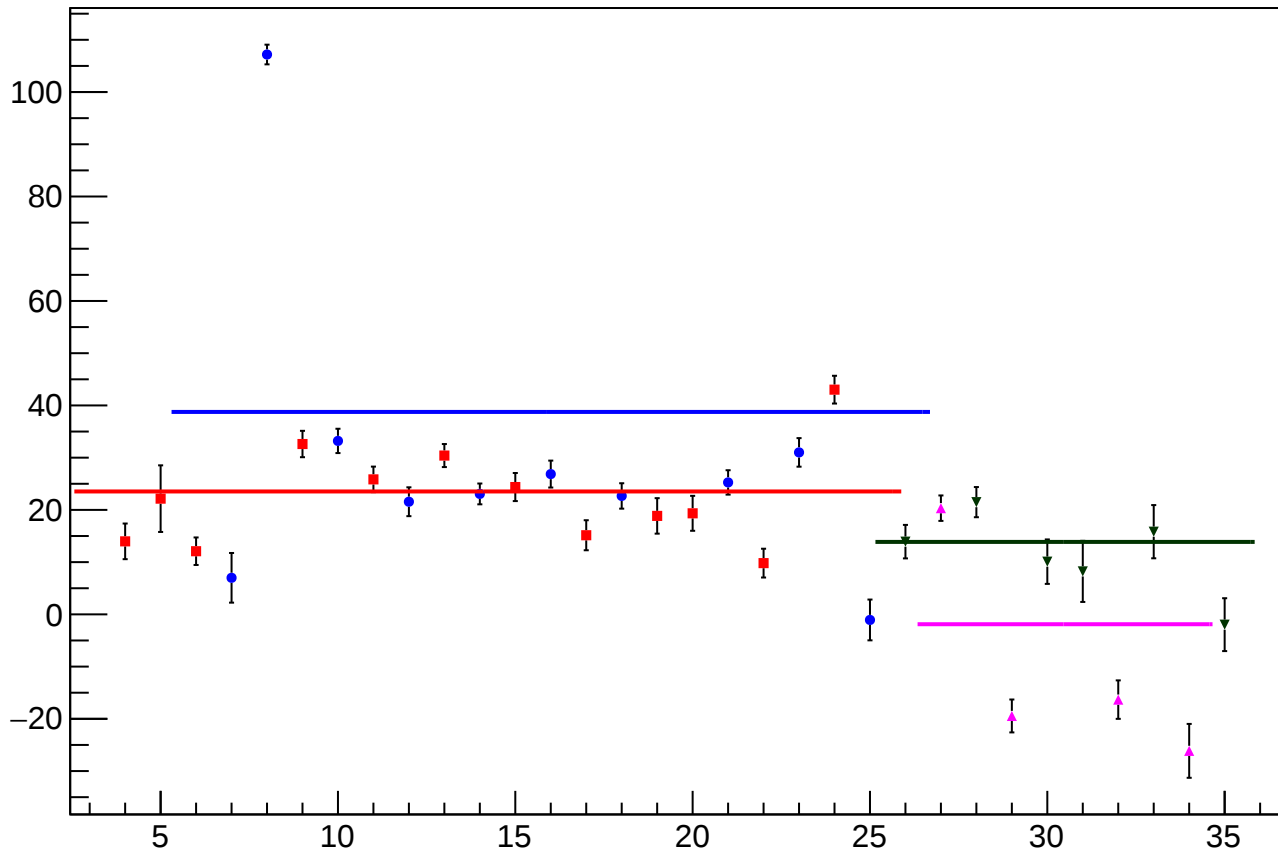
Right Out: 4775.916+/-1.339 χ^2/NDF : 111352.4/11

Left In: 6150.828+/-2.527 χ^2/NDF :283658.8/3

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

5077.165+/-1.183 χ^2/NDF : 626191.0/15

diff_bpm0l01Y_mean vs slug



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

Left Out: 13.871 ± 1.624 $\chi^2/\text{NDF}: 18.6/5$

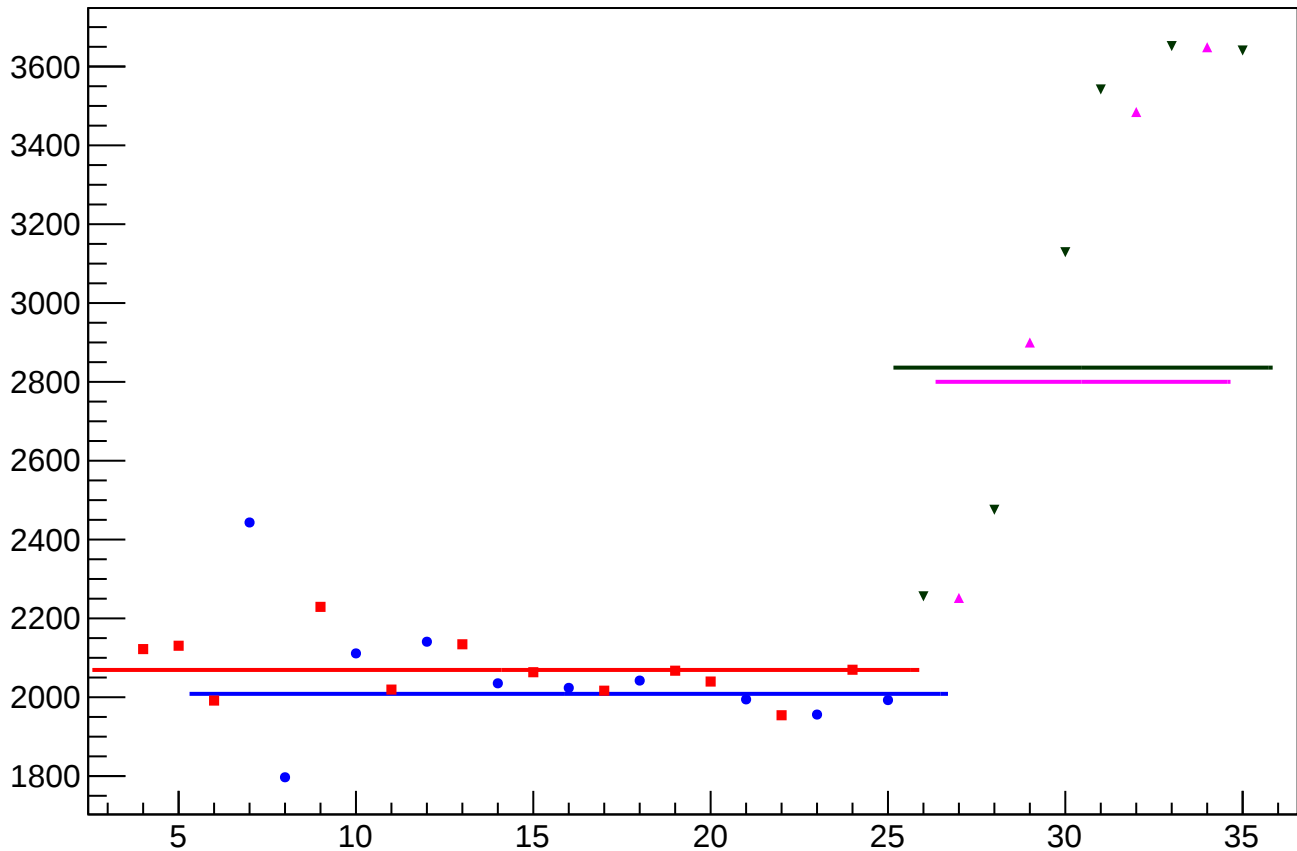
Right Out: 23.530 ± 0.818 $\chi^2/\text{NDF}: 140.9/11$

Left In: -1.889 ± 1.621 $\chi^2/\text{NDF}: 151.8/3$

33.981 ± 0.712 $\chi^2/\text{NDF}: 1888.9/15$

18.364 ± 0.731 $\chi^2/\text{NDF}: 488.7/15$

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

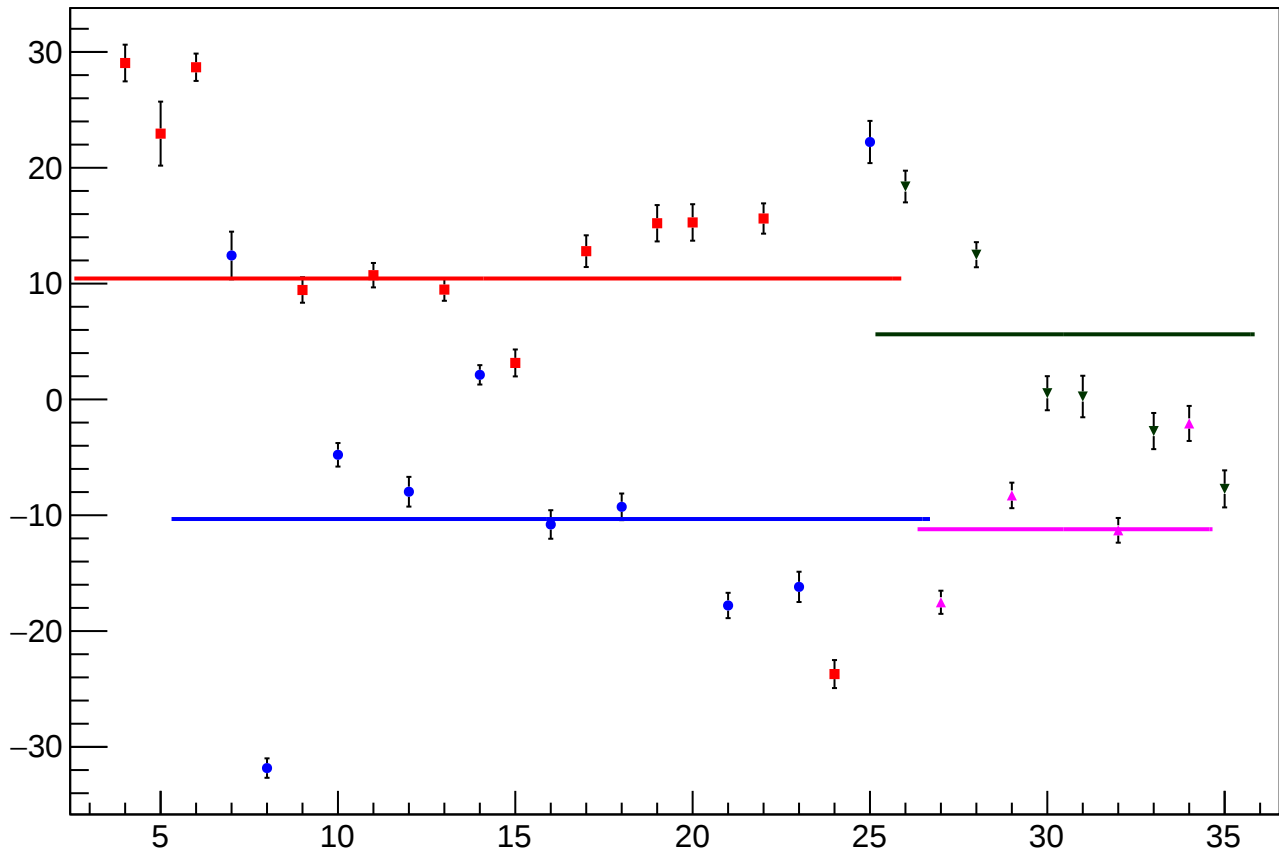
Right Out: 2069.229+/-0.579 χ^2/NDF : 17317.7/11

Left In: 2800.148+/-1.146 χ^2/NDF :226600.7/3

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

2217.764+/-0.517 χ^2/NDF : 568057.6/15

diff_bpm2i01X_mean vs slug



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

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

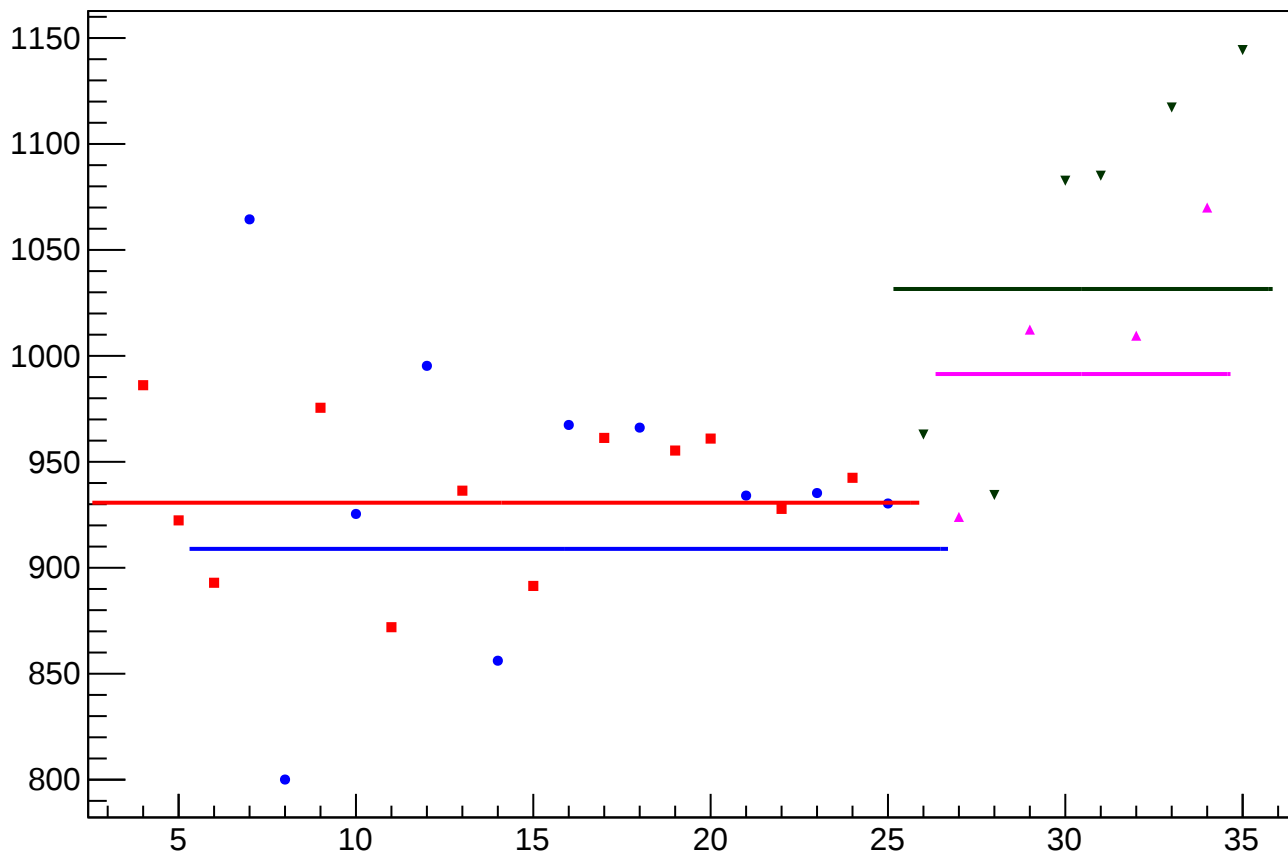
Right Out: 10.440 ± 0.368 $\chi^2/\text{NDF}: 1273.2/11$

Left In: -11.207 ± 0.564 $\chi^2/\text{NDF}: 83.3/3$

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

3.986 ± 0.308 $\chi^2/\text{NDF}: 2389.4/15$

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

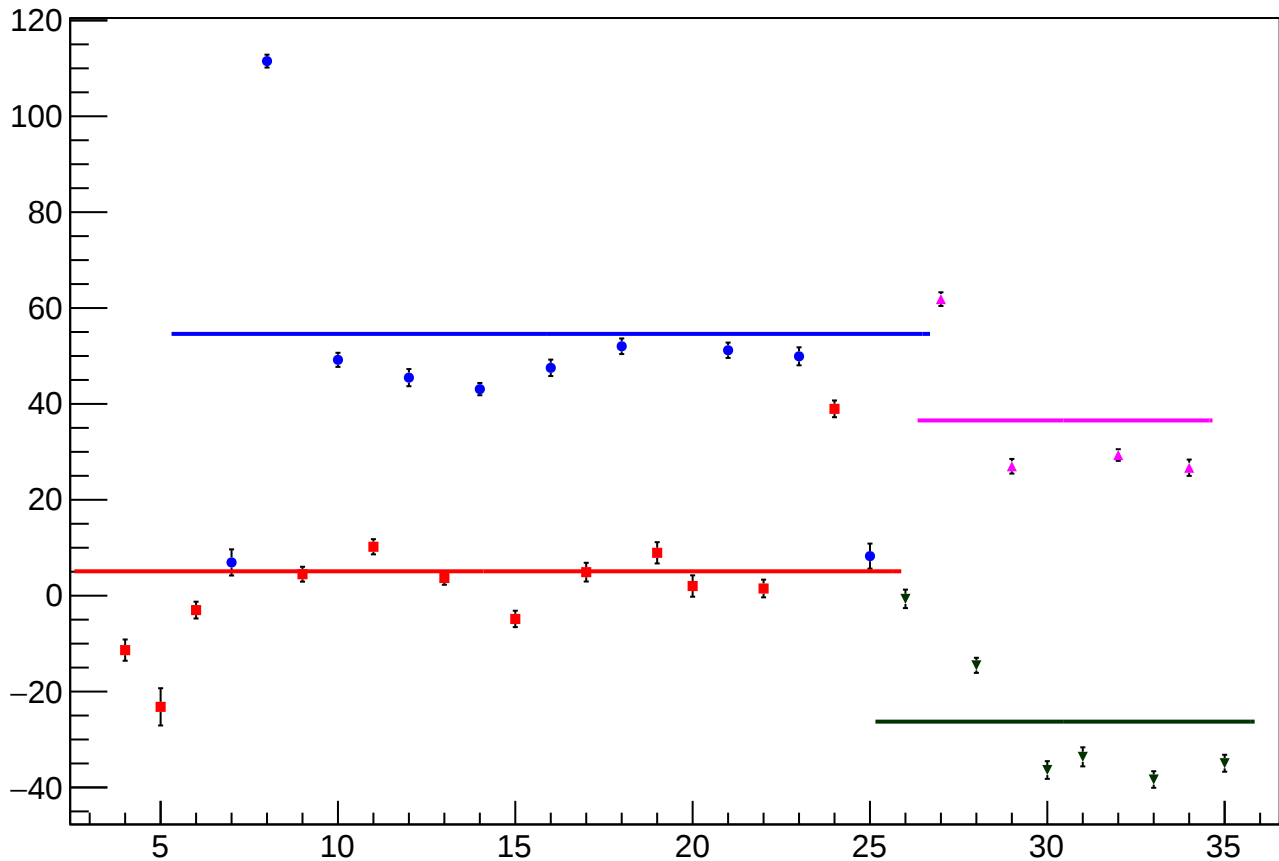
Right Out: 930.706+/-0.260 χ^2/NDF : 18818.7/11

Left In: 991.430+/-0.399 χ^2/NDF : 15803.2/3

942.673+/-0.216 χ^2/NDF : 180070.5/15

948.812+/-0.218 χ^2/NDF : 50876.2/15

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

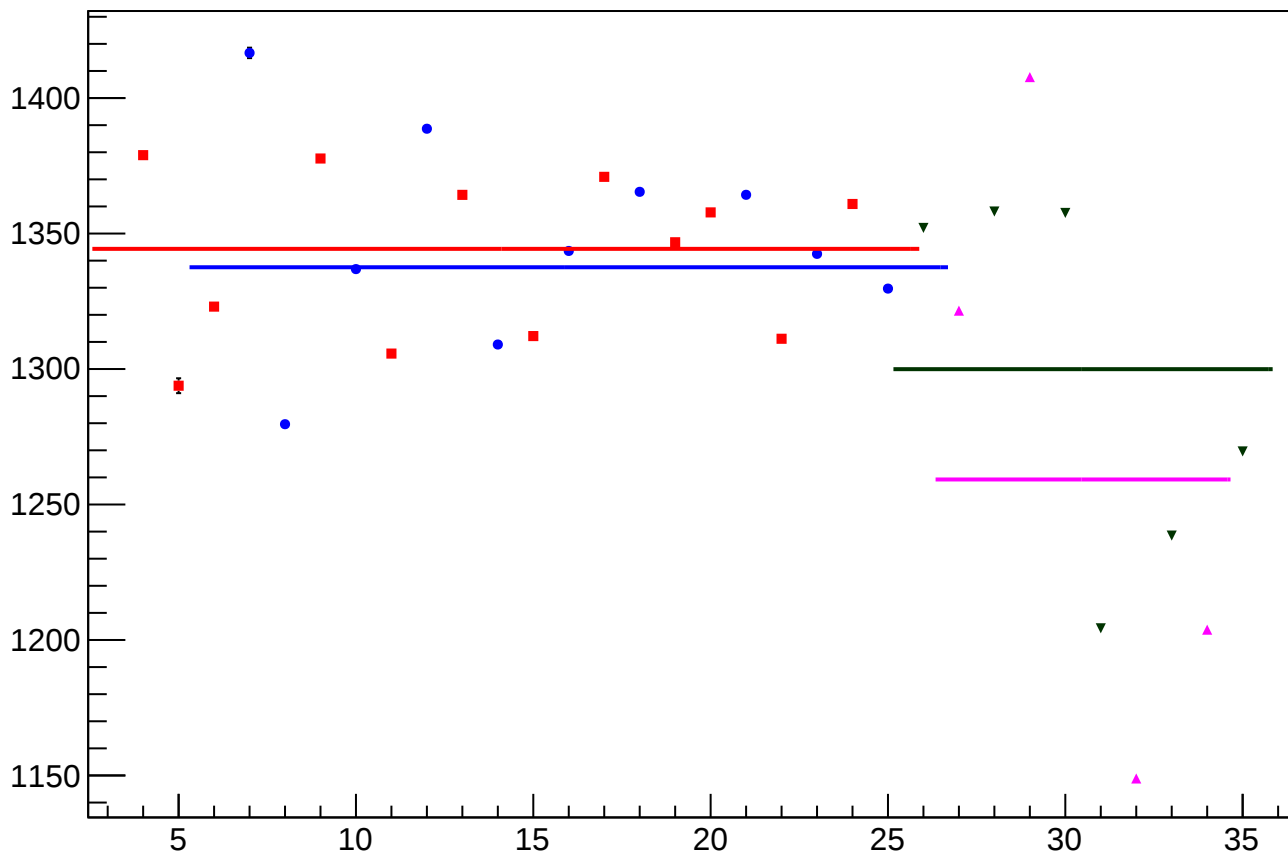
Right Out: 5.087 $\pm$ 0.532 χ^2 /NDF: 559.1/11

Left In: 36.552 $\pm$ 0.718 χ^2 /NDF:421.5/3

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

16.234 $\pm$ 0.427 χ^2 /NDF: 2221.4/15

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

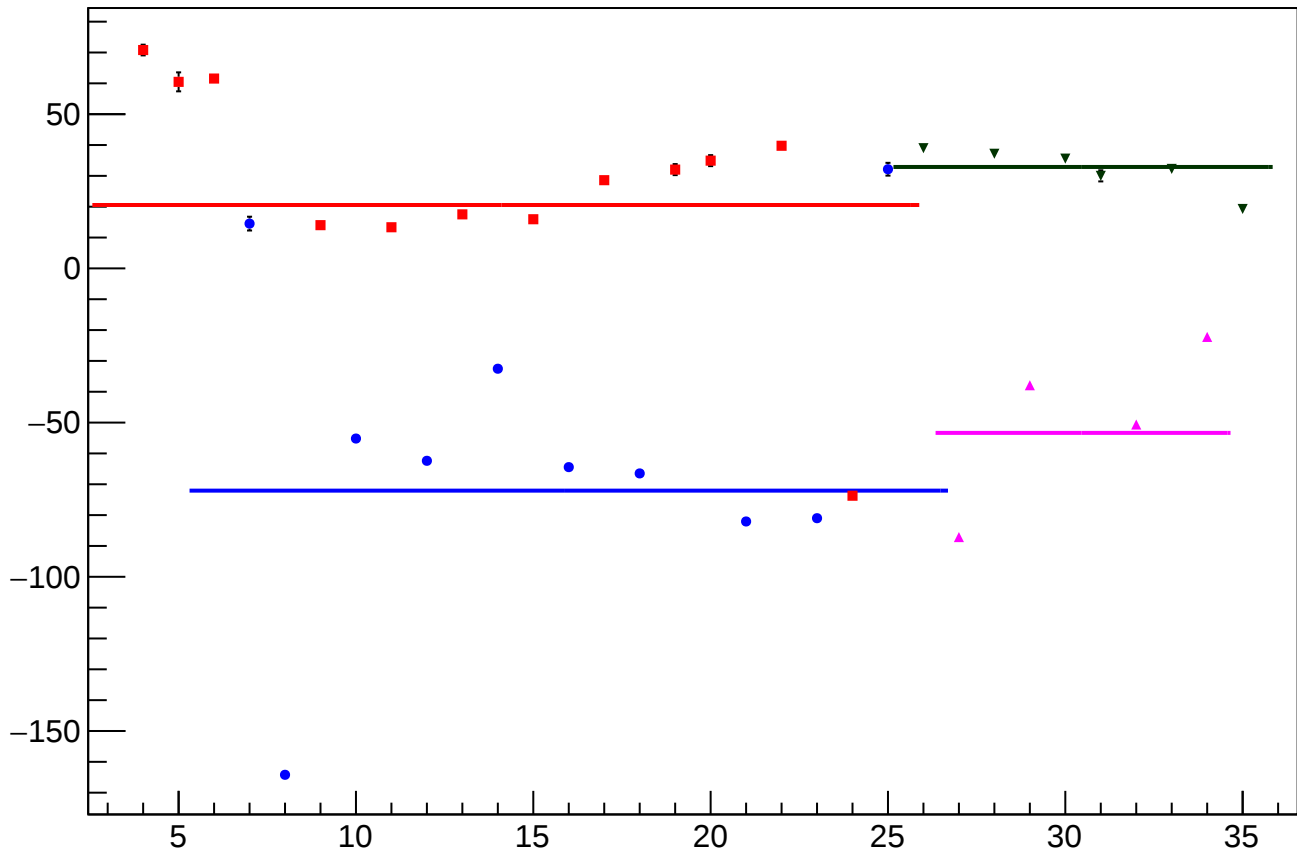
Right Out: 1344.349 ± 0.376 χ^2/NDF : 5607.5/11

Left In: 1259.237 ± 0.508 χ^2/NDF : 41294.1/3

1324.715 ± 0.302 χ^2/NDF : 26603.9/15

1314.196 ± 0.302 χ^2/NDF : 65058.8/15

diff_bpm2i02X_mean vs slug



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

Left Out: 32.887 $\pm$ 0.624 χ^2 /NDF:104.9/5

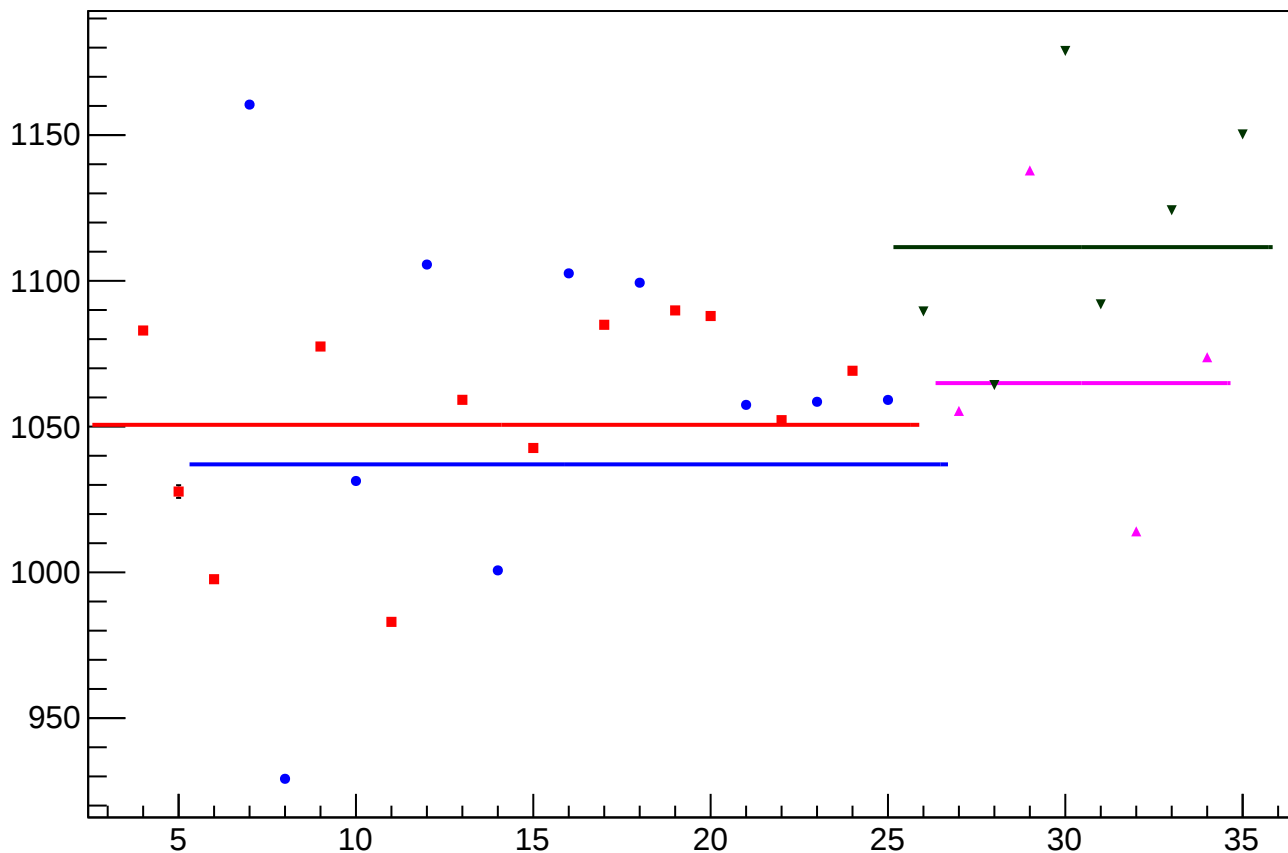
-40.652 $\pm$ 0.342 χ^2 /NDF: 34933.0/15

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

-3.059 $\pm$ 0.342 χ^2 /NDF: 18664.8/15

Left In: -53.339 $\pm$ 0.606 χ^2 /NDF:1460.0/3

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

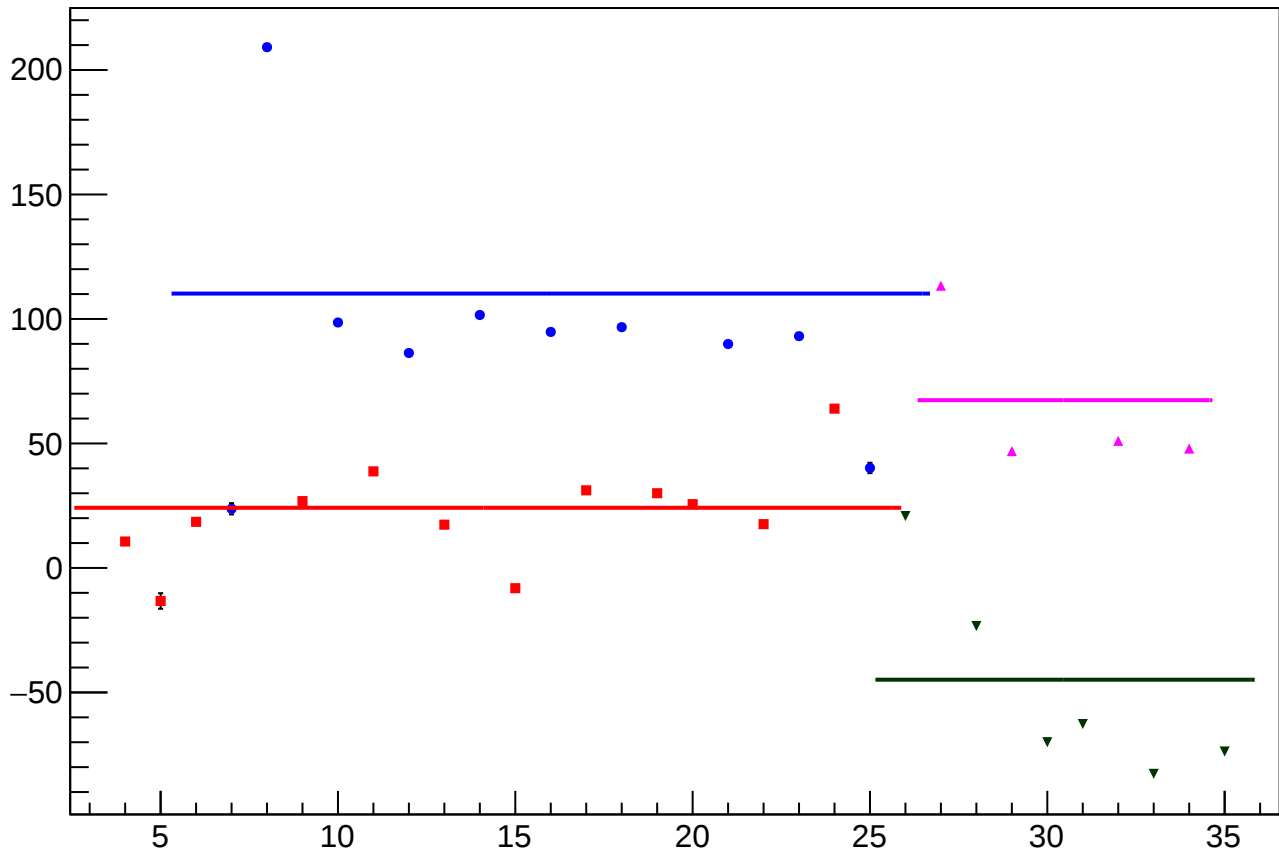
Right Out: 1050.613 $\pm$ 0.293 χ^2 /NDF: 14851.7/11

Left In: 1064.922 $\pm$ 0.428 χ^2 /NDF:11664.6/3

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

1055.185 $\pm$ 0.242 χ^2 /NDF: 27275.9/15

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

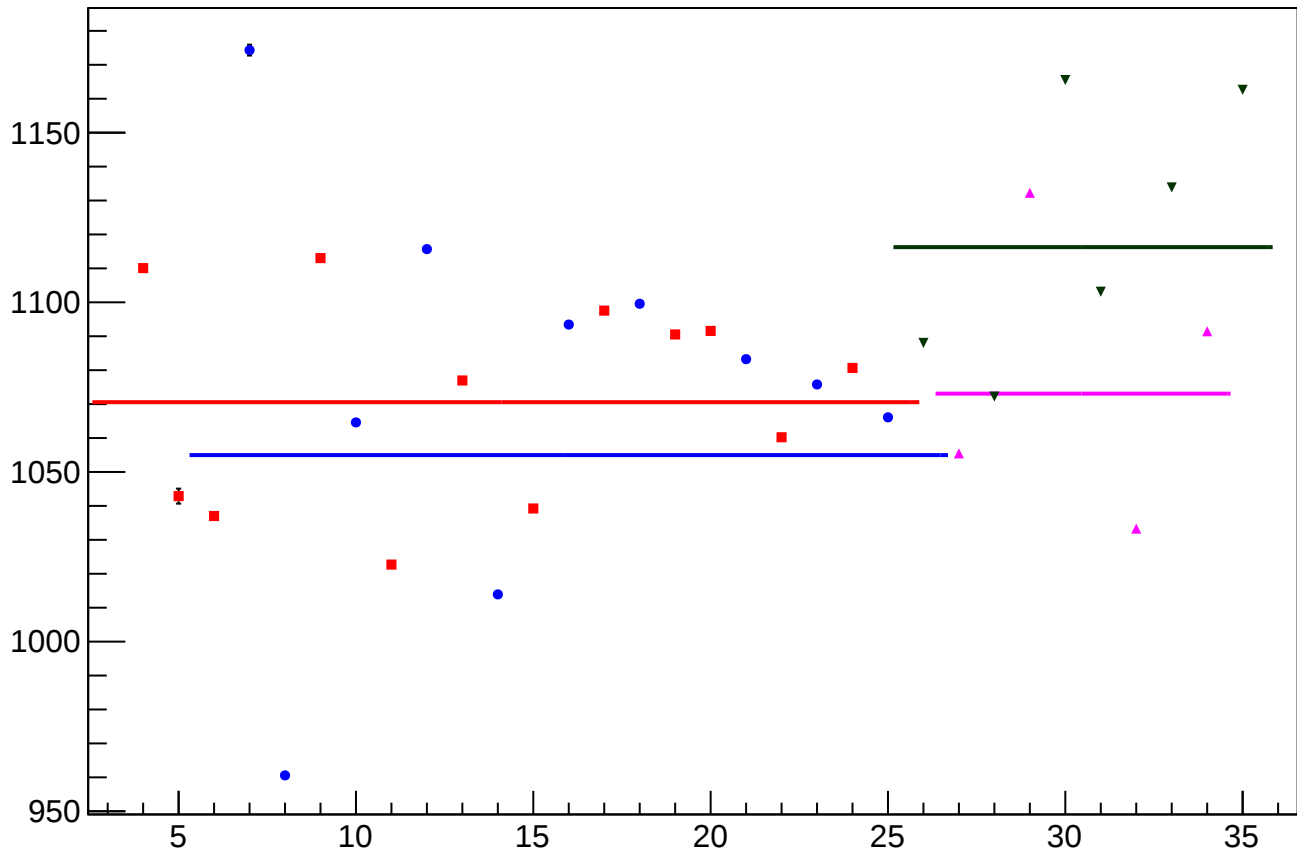
Right Out: 24.160 $\pm$ 0.423 χ^2 /NDF: 1842.7/11

Left In: 67.378 $\pm$ 0.610 χ^2 /NDF:2283.7/3

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

38.193 $\pm$ 0.348 χ^2 /NDF: 7516.5/15

diff_bpm2i02Y_rms vs slug



Right In: 1054.969 ± 0.293 χ^2/NDF : 35538.9/9

Left Out: 1116.261 ± 0.443 χ^2/NDF : 7100.8/5

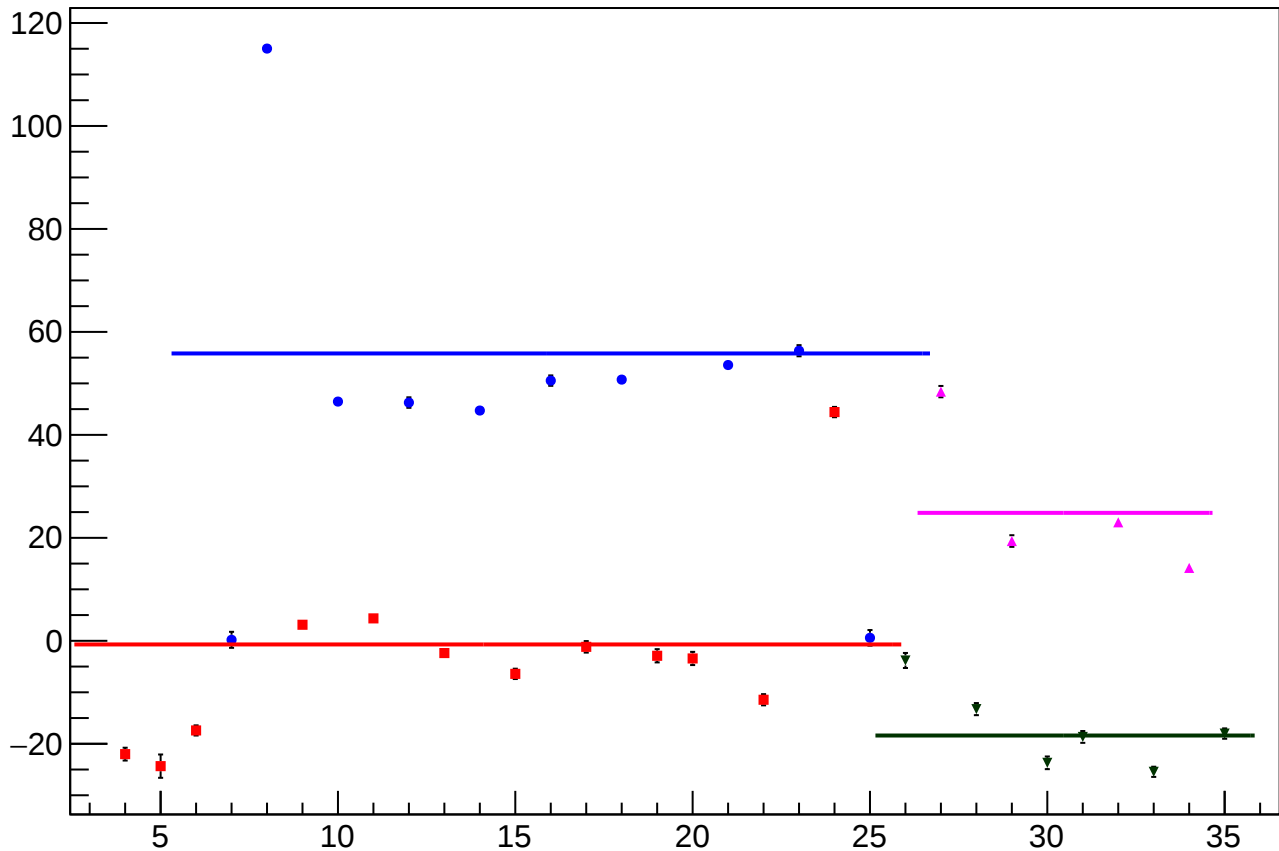
Right Out: 1070.566 ± 0.299 χ^2/NDF : 10075.5/11

Left In: 1073.083 ± 0.431 χ^2/NDF : 8043.2/3

1073.649 ± 0.245 χ^2/NDF : 55934.6/15

1071.384 ± 0.246 χ^2/NDF : 18141.8/15

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

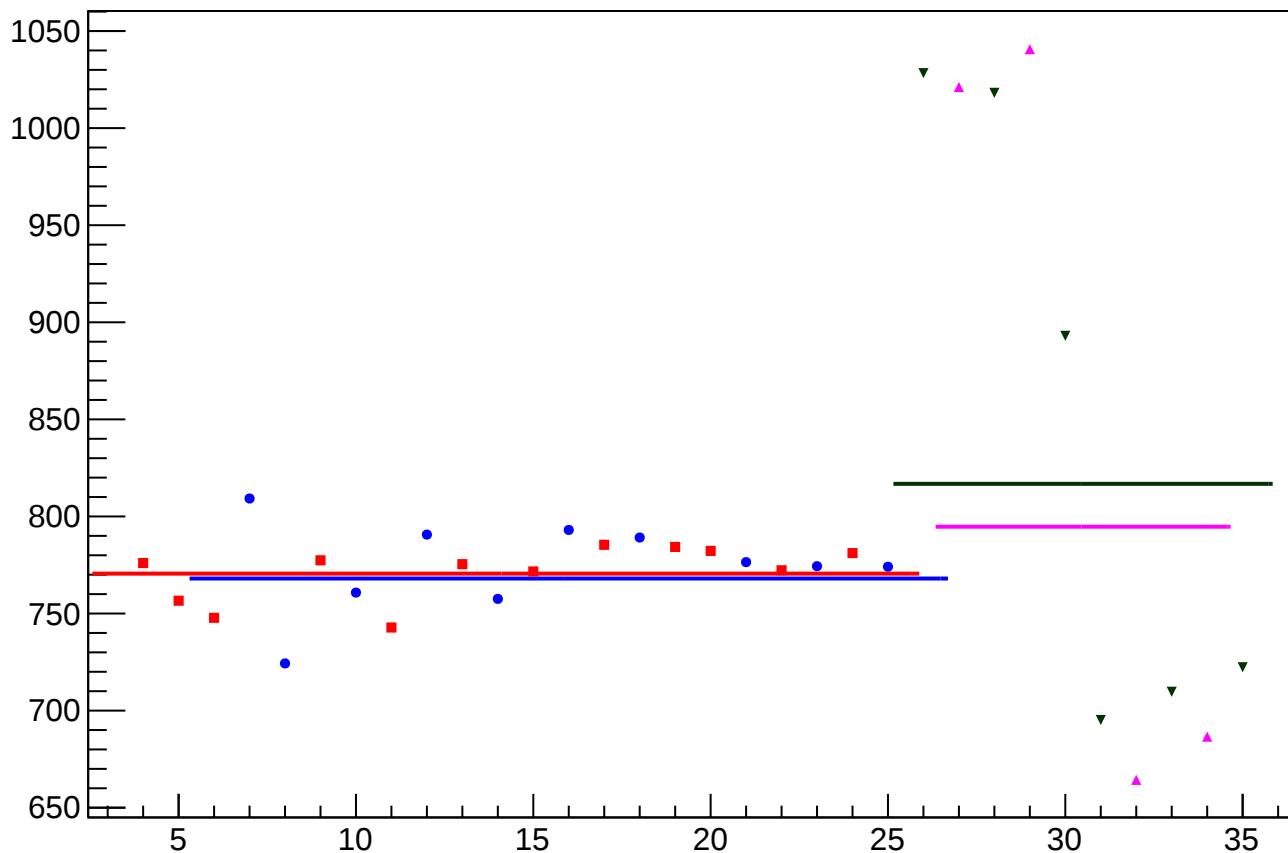
Right Out: -0.705 $\pm$ 0.304 χ^2 /NDF: 2908.1/11

Left In: 24.854 $\pm$ 0.461 χ^2 /NDF: 608.3/3

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

7.039 $\pm$ 0.254 χ^2 /NDF: 5656.0/15

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

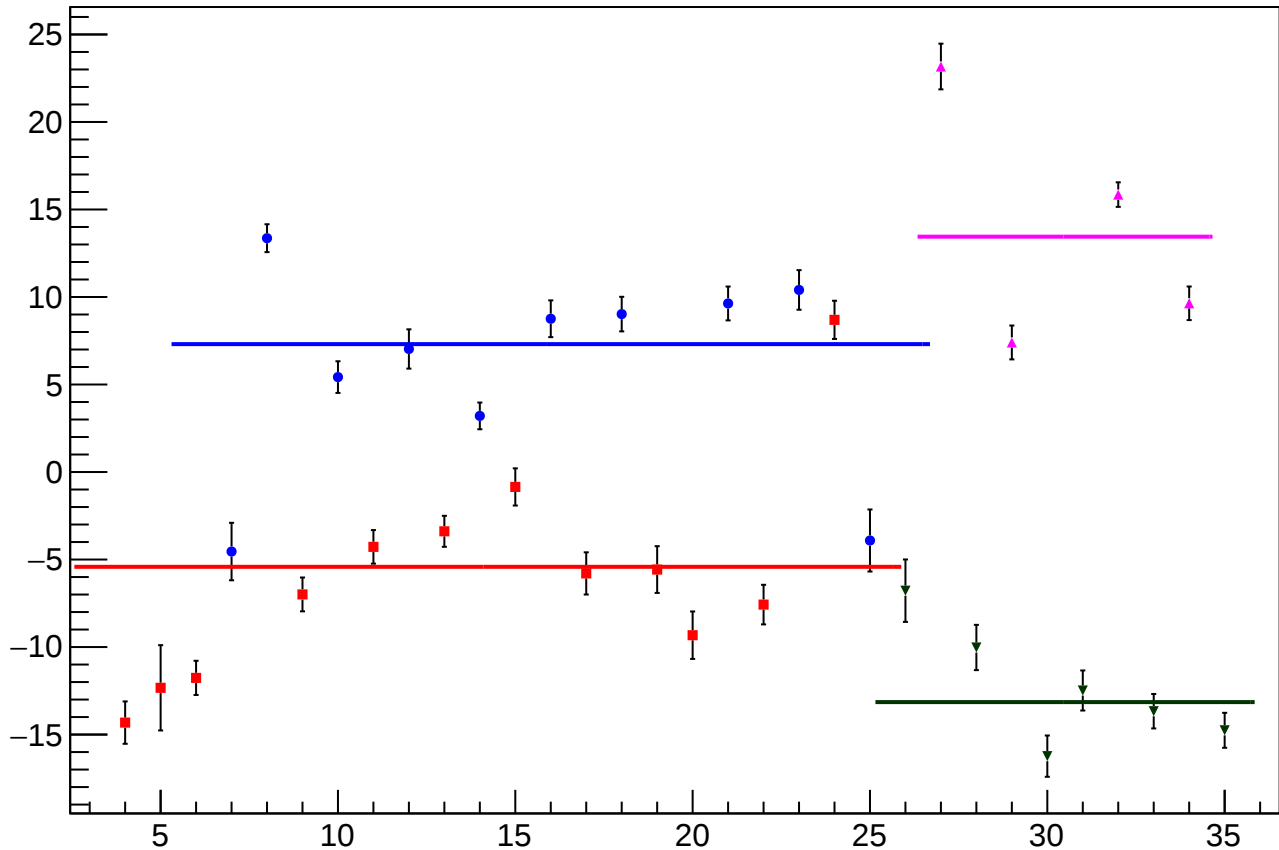
Right Out: 770.550+/-0.215 χ^2/NDF : 4259.5/11

Left In: 794.724+/-0.326 χ^2/NDF : 273145.5/3

782.448+/-0.179 χ^2/NDF : 199165.2/15

777.874+/-0.180 χ^2/NDF : 281233.1/15

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

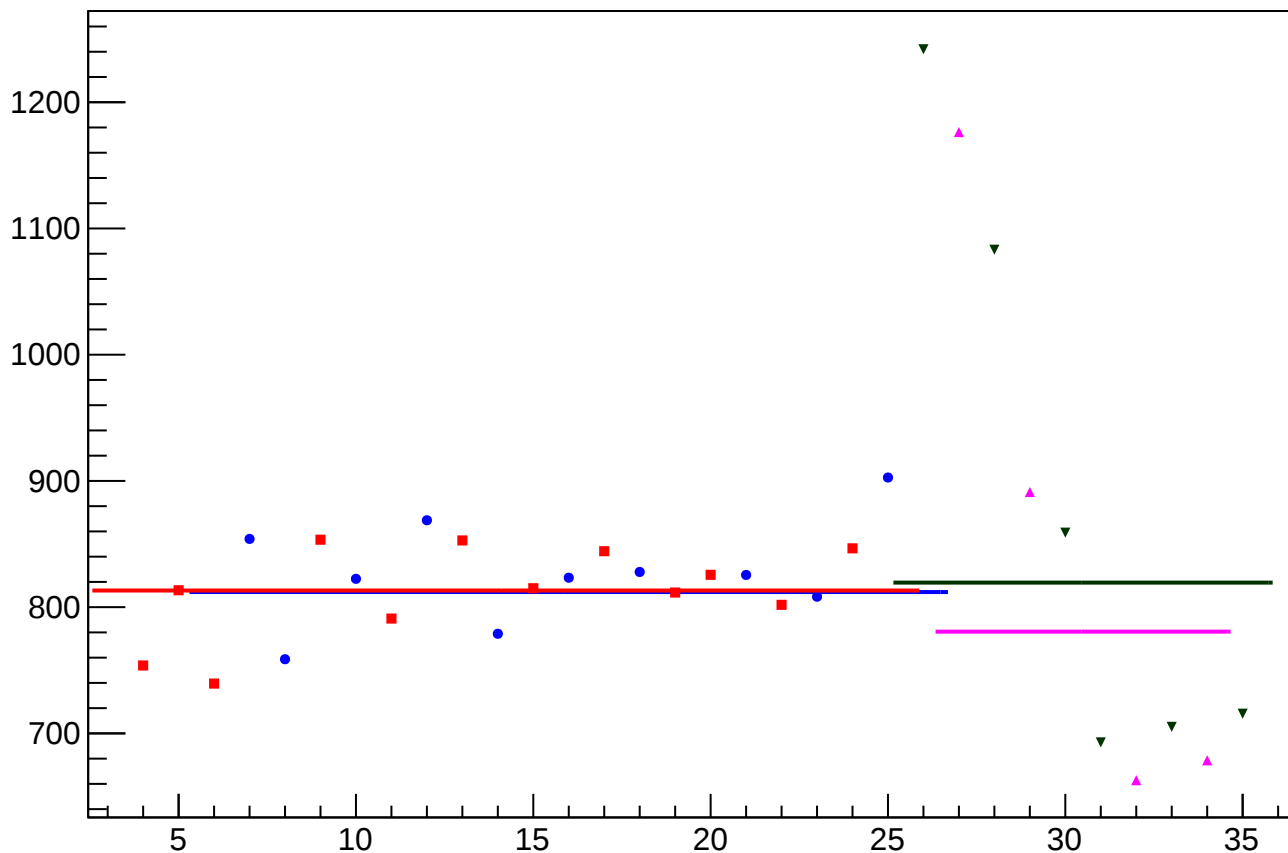
Right Out: -5.416 ± 0.322 χ^2/NDF : 311.5/11

Left In: 13.447 ± 0.457 χ^2/NDF : 122.0/3

0.929 ± 0.265 χ^2/NDF : 1505.2/15

0.841 ± 0.263 χ^2/NDF : 1570.0/15

diff_bpm1i04Y_rms vs slug



Right In: 811.972+/-0.226 χ^2/NDF : 25796.5/9

Left Out: 819.452+/-0.336 χ^2/NDF : 270697.5/5

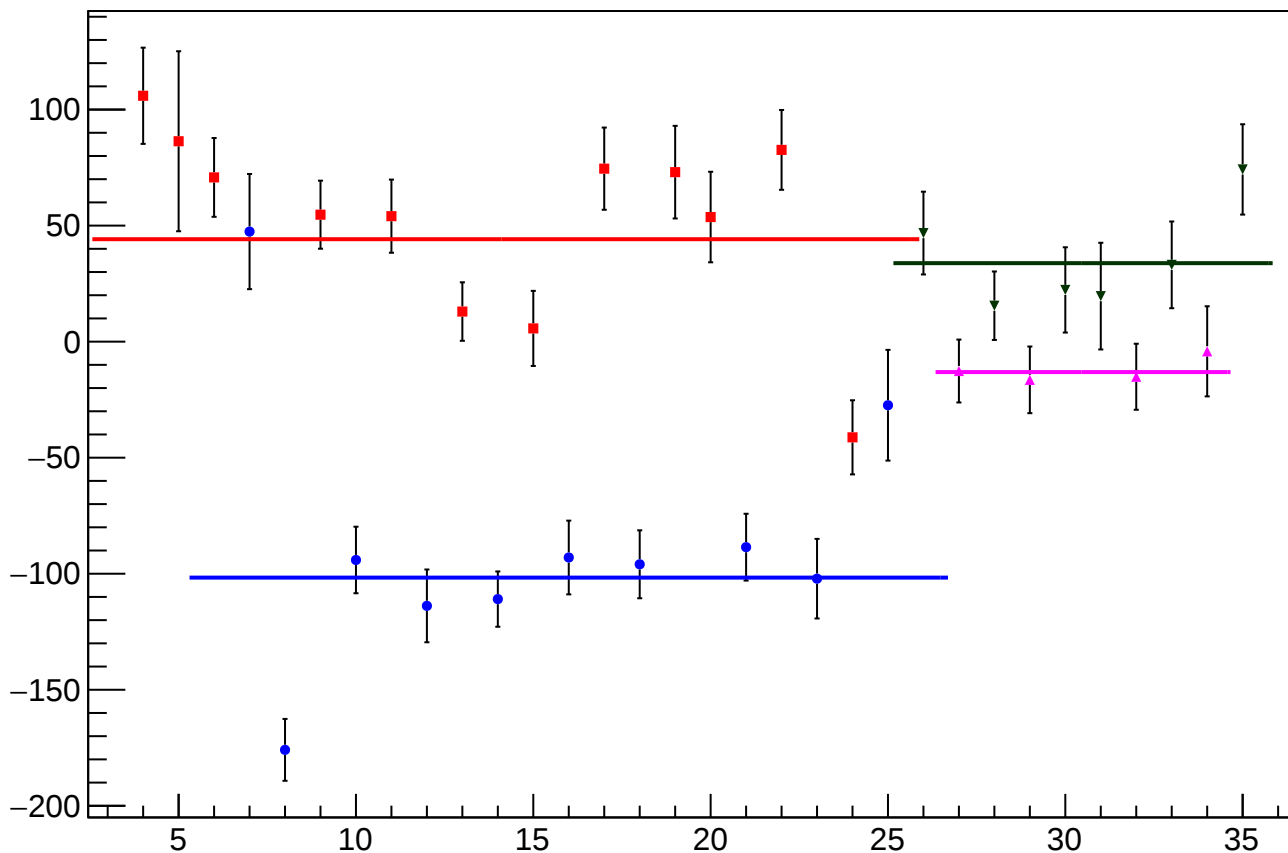
Right Out: 813.189+/-0.228 χ^2/NDF : 28331.0/11

Left In: 780.601+/-0.323 χ^2/NDF : 288971.2/3

814.304+/-0.188 χ^2/NDF : 296835.1/15

802.379+/-0.186 χ^2/NDF : 324086.6/15

diff_bpm0l02X_mean vs slug



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

Left Out: 33.818 $\pm$ 7.433 χ^2 /NDF: 7.2/5

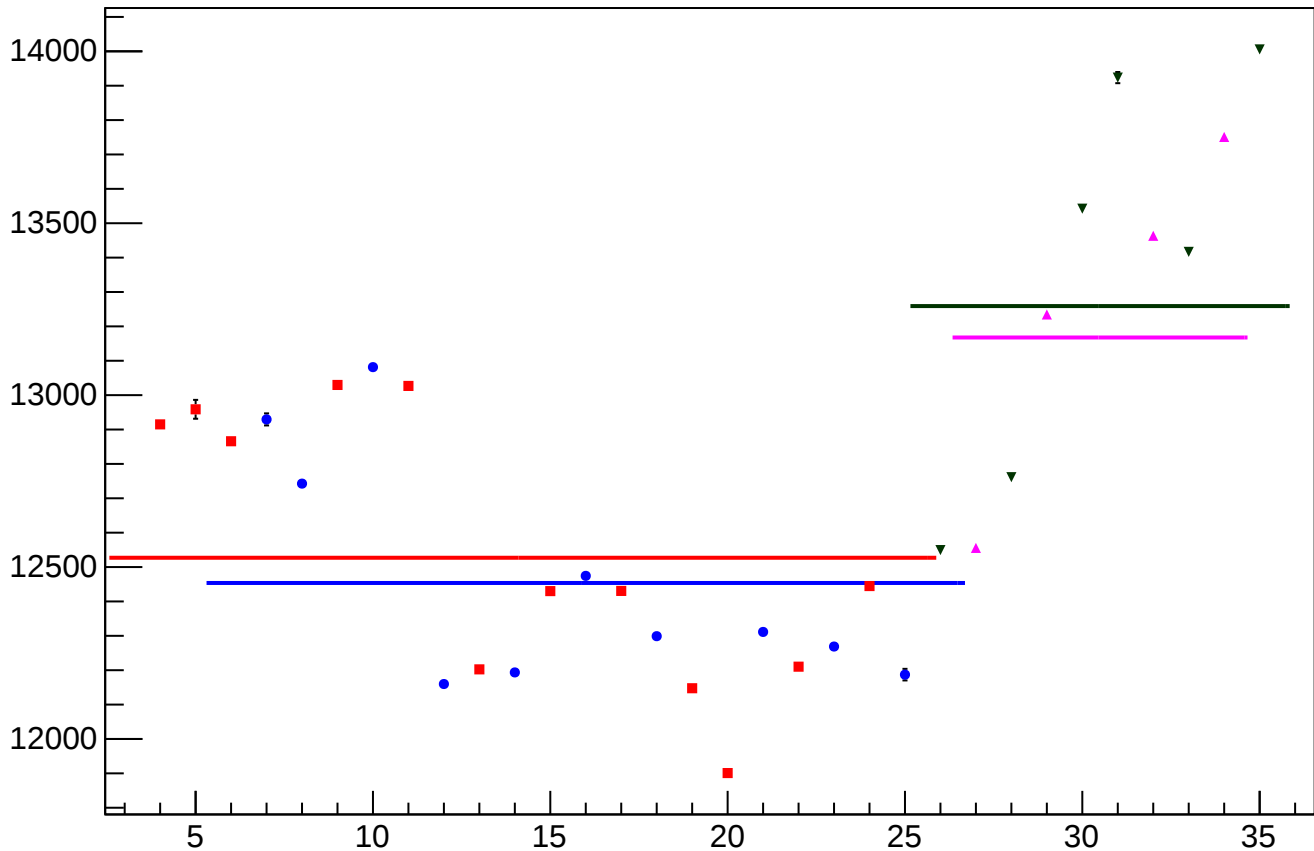
Right Out: 44.144 $\pm$ 4.946 χ^2 /NDF: 64.1/11

Left In: -13.112 $\pm$ 7.476 χ^2 /NDF: 0.3/3

-60.759 $\pm$ 4.084 χ^2 /NDF: 318.7/15

26.716 $\pm$ 4.125 χ^2 /NDF: 105.2/15

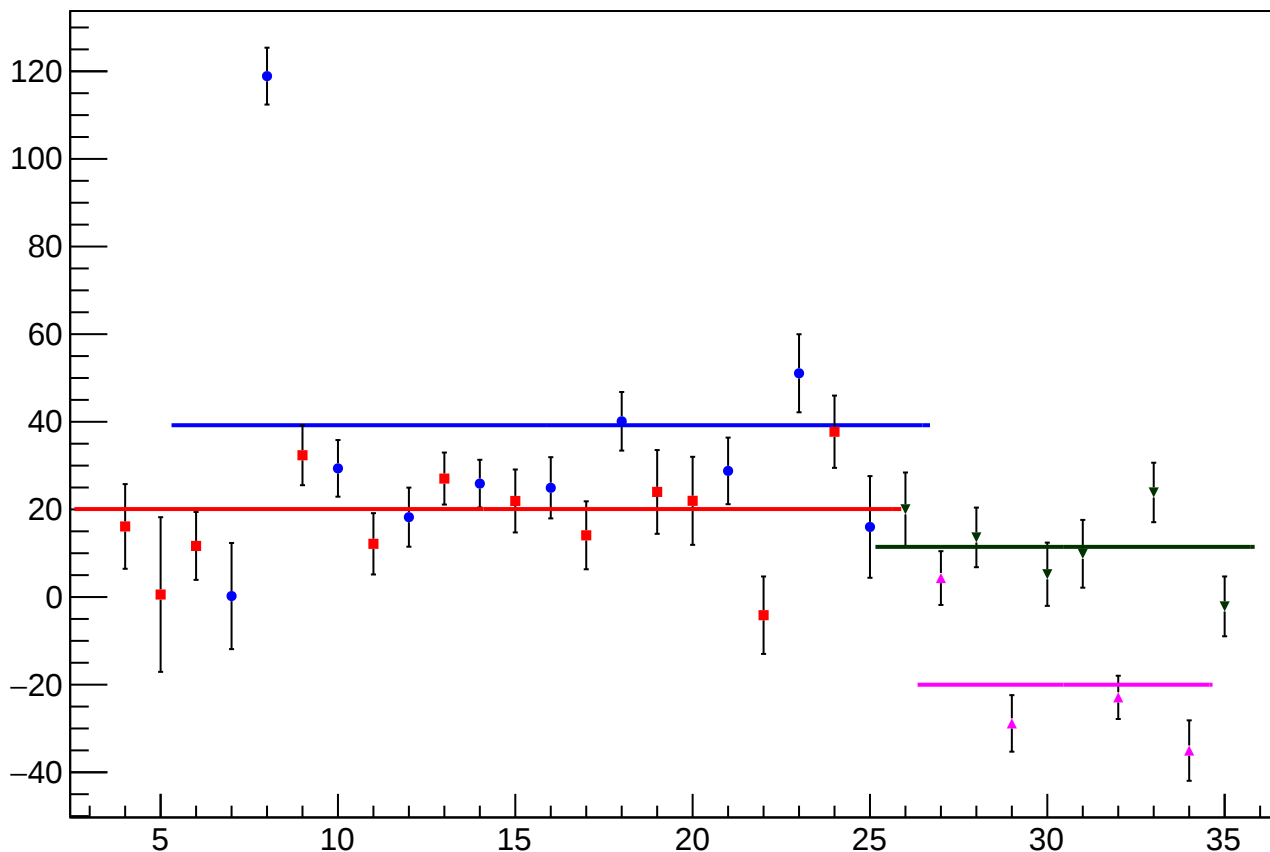
diff_bpm0l02X_rms vs slug



Right In: 12453.727 $\pm$ 3.457 χ^2 /NDF: 8070.4/9
 Left Out: 13259.050 $\pm$ 5.256 χ^2 /NDF:10676.0/5
 Right Out: 12527.068 $\pm$ 3.497 χ^2 /NDF: 11080.0/11
 Left In: 13167.664 $\pm$ 5.287 χ^2 /NDF:6792.5/3

12696.907 $\pm$ 2.888 χ^2 /NDF: 35135.0/15
 12722.057 $\pm$ 2.917 χ^2 /NDF: 28086.1/15

diff_bpm0l02Y_mean vs slug



Right In: 39.218 ± 2.292 $\chi^2/\text{NDF}: 190.8/9$

Left Out: 11.452 ± 2.951 $\chi^2/\text{NDF}: 9.2/5$

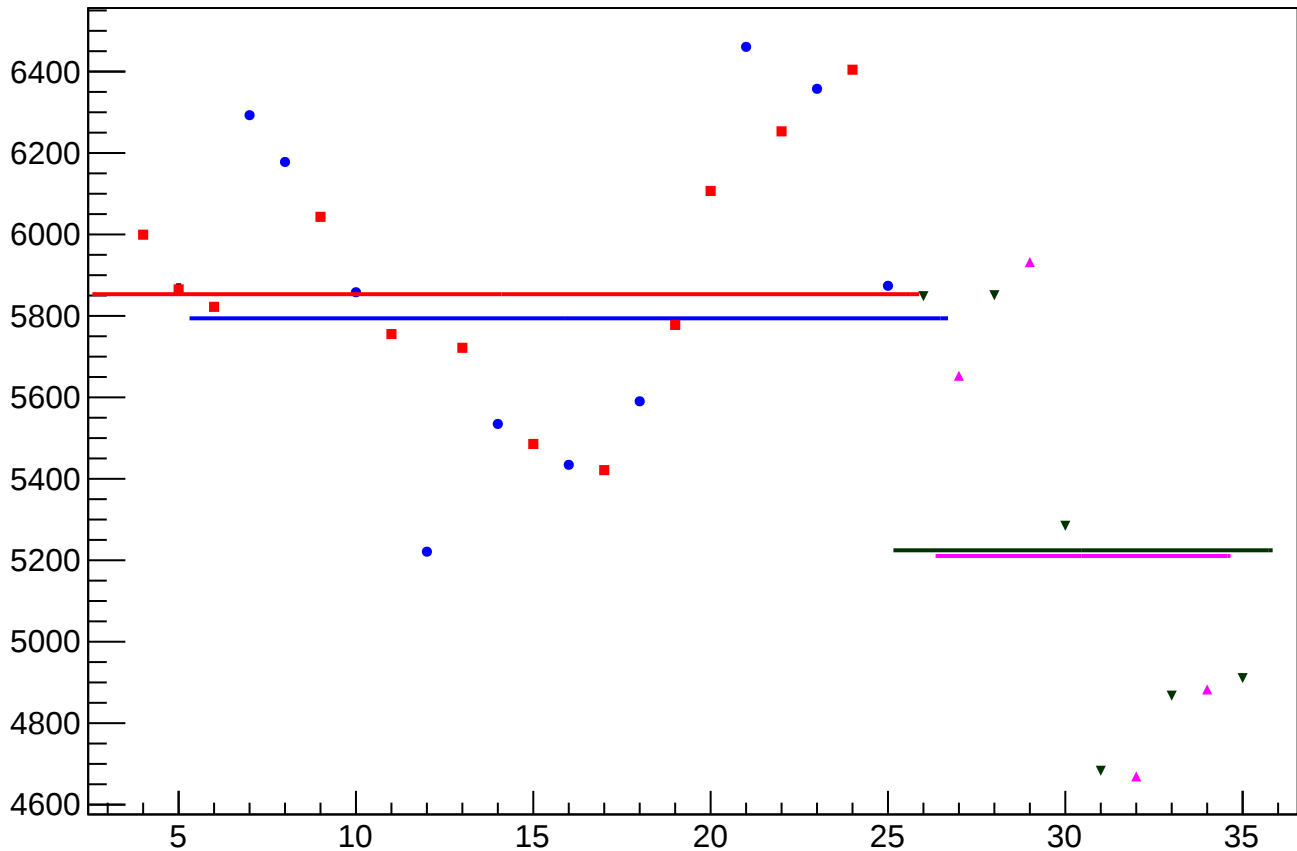
Right Out: 20.083 ± 2.324 $\chi^2/\text{NDF}: 21.4/11$

Left In: -20.012 ± 2.979 $\chi^2/\text{NDF}: 22.7/3$

28.774 ± 1.810 $\chi^2/\text{NDF}: 255.3/15$

4.916 ± 1.832 $\chi^2/\text{NDF}: 156.7/15$

diff_bpm0l02Y_rms vs slug



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

Left Out: 5224.483+/-2.087 χ^2/NDF : 47666.0/5

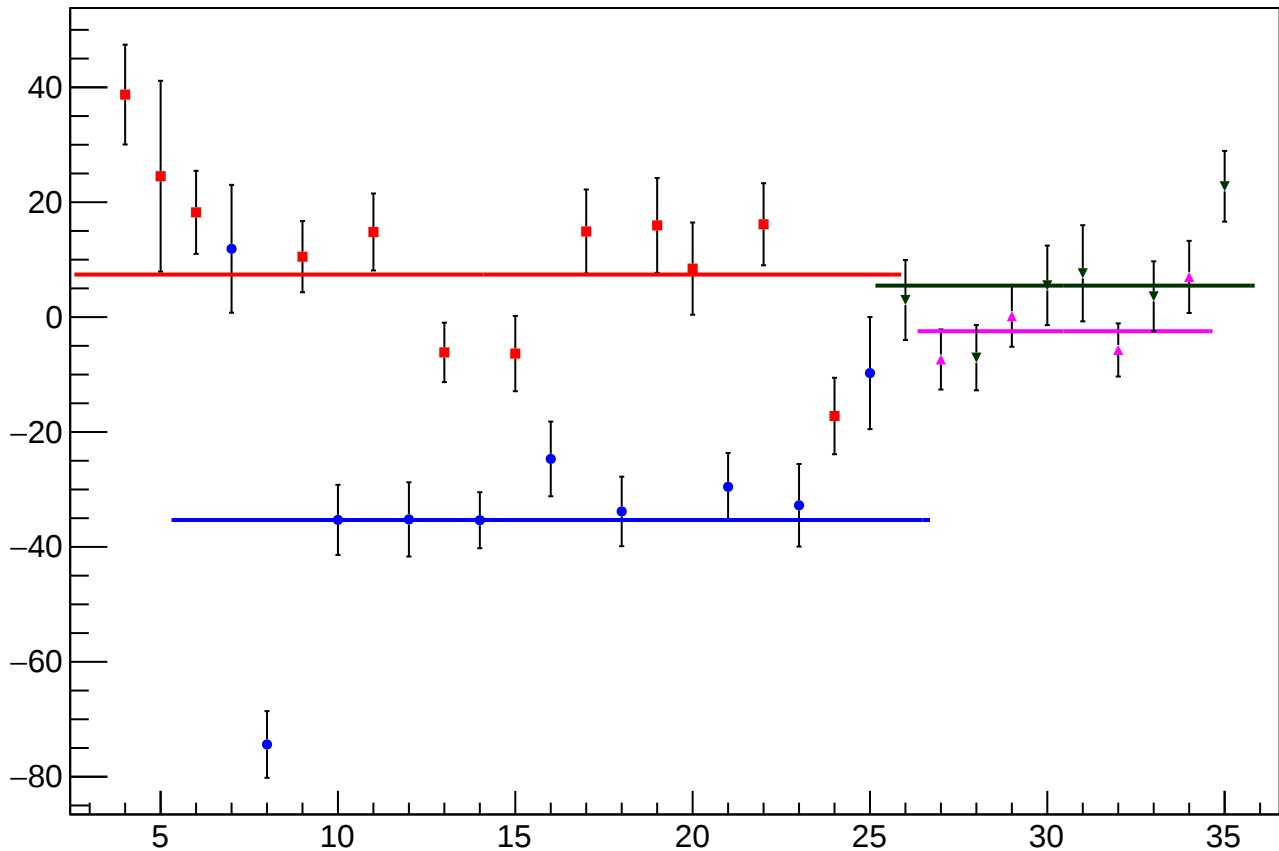
Right Out: 5853.344+/-1.643 χ^2/NDF : 29282.6/11

Left In: 5210.521+/-2.107 χ^2/NDF : 63995.1/3

5579.812+/-1.280 χ^2/NDF : 154356.8/15

5610.171+/-1.296 χ^2/NDF : 151160.8/15

diff_bpm0l03X_mean vs slug



Right In: -35.314 ± 2.039 $\chi^2/\text{NDF}: 74.0/9$

Left Out: 5.485 ± 2.673 $\chi^2/\text{NDF}: 13.0/5$

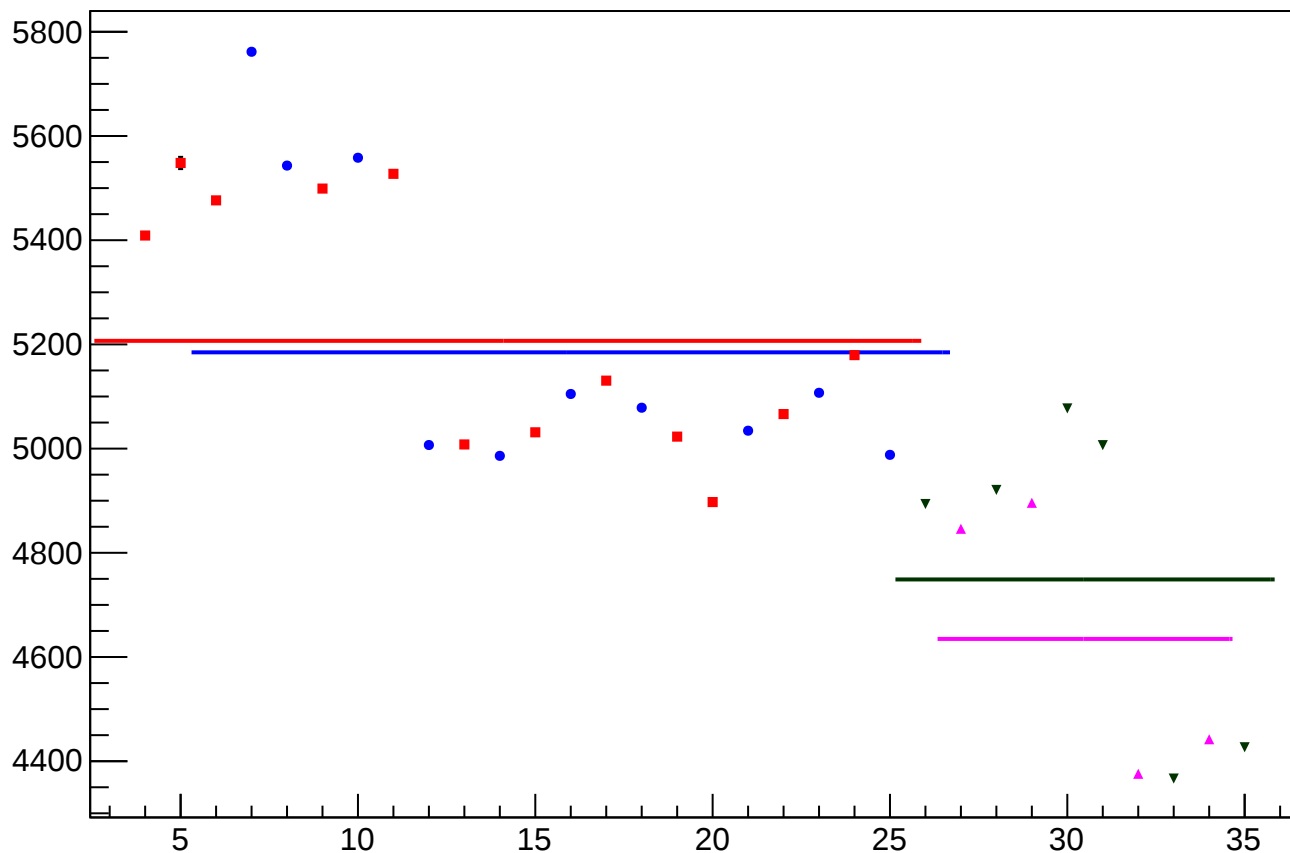
Right Out: 7.409 ± 2.058 $\chi^2/\text{NDF}: 46.4/11$

Left In: -2.450 ± 2.634 $\chi^2/\text{NDF}: 3.9/3$

-20.303 ± 1.621 $\chi^2/\text{NDF}: 234.3/15$

3.672 ± 1.622 $\chi^2/\text{NDF}: 59.0/15$

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

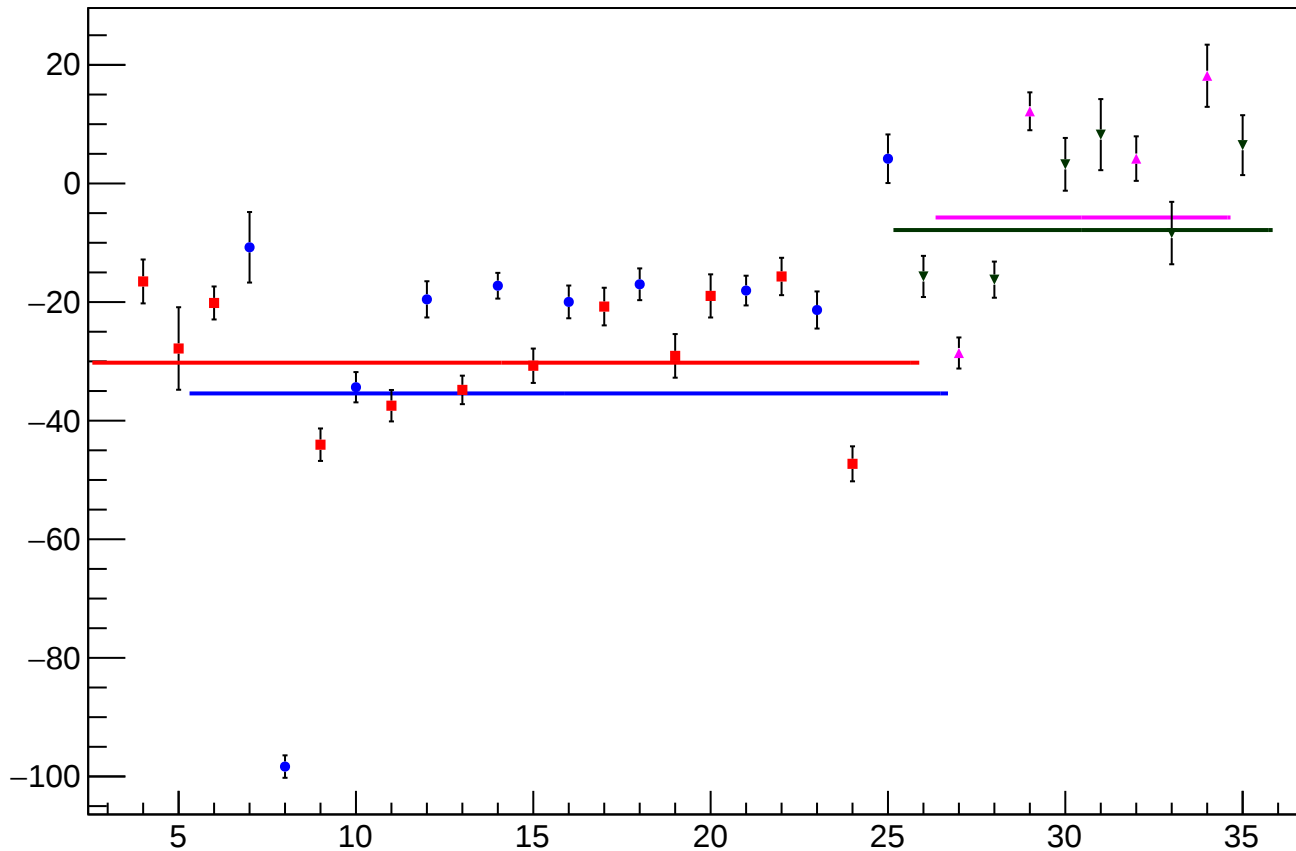
Right Out: 5206.838+/-1.455 χ^2/NDF : 23121.5/11

Left In: 4634.707+/-1.863 χ^2/NDF : 16253.4/3

5024.381+/-1.146 χ^2/NDF : 84670.7/15

4989.982+/-1.147 χ^2/NDF : 97965.2/15

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

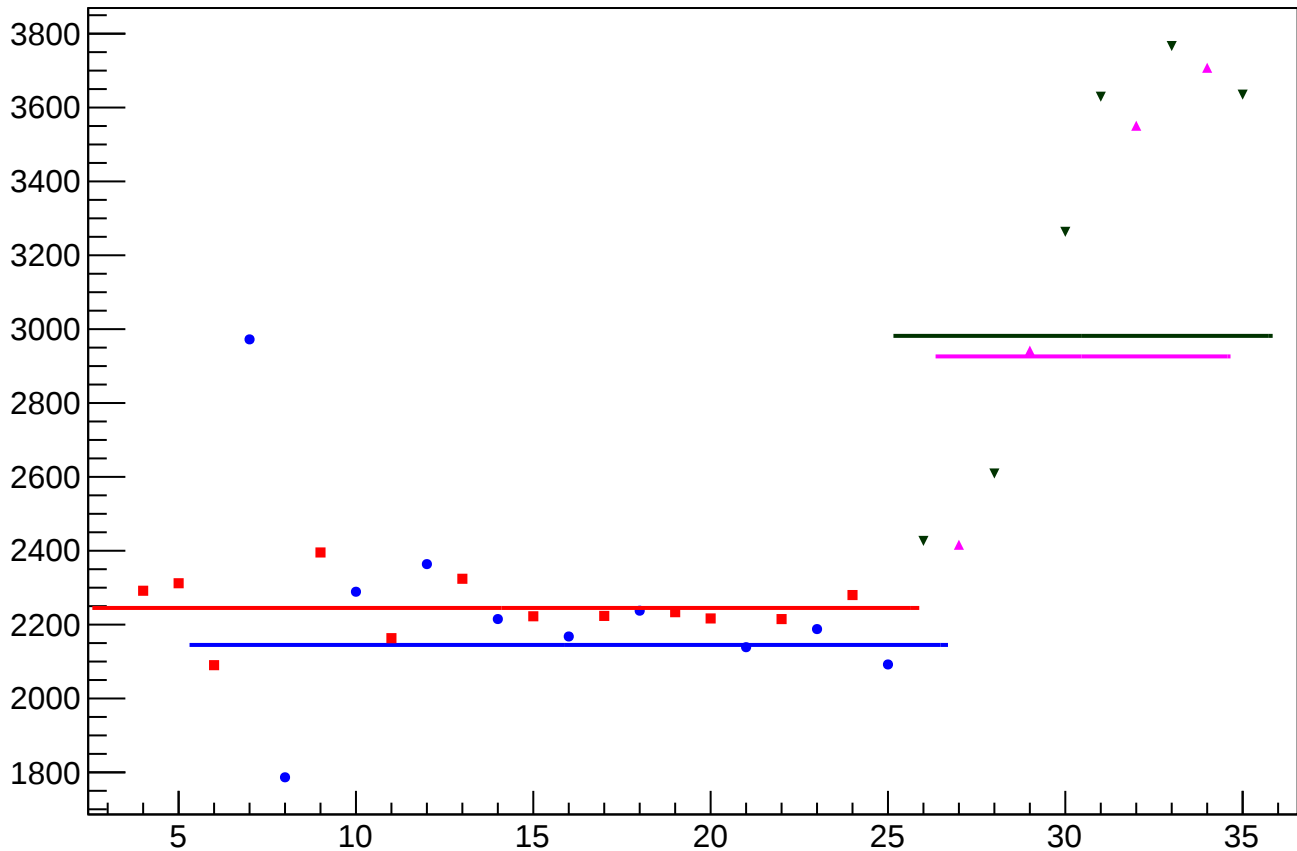
Right Out: -30.222 ± 0.893 χ^2/NDF : 136.9/11

Left In: -5.734 ± 1.688 χ^2/NDF : 135.3/3

-29.879 ± 0.763 χ^2/NDF : 1702.3/15

-24.872 ± 0.789 χ^2/NDF : 436.6/15

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

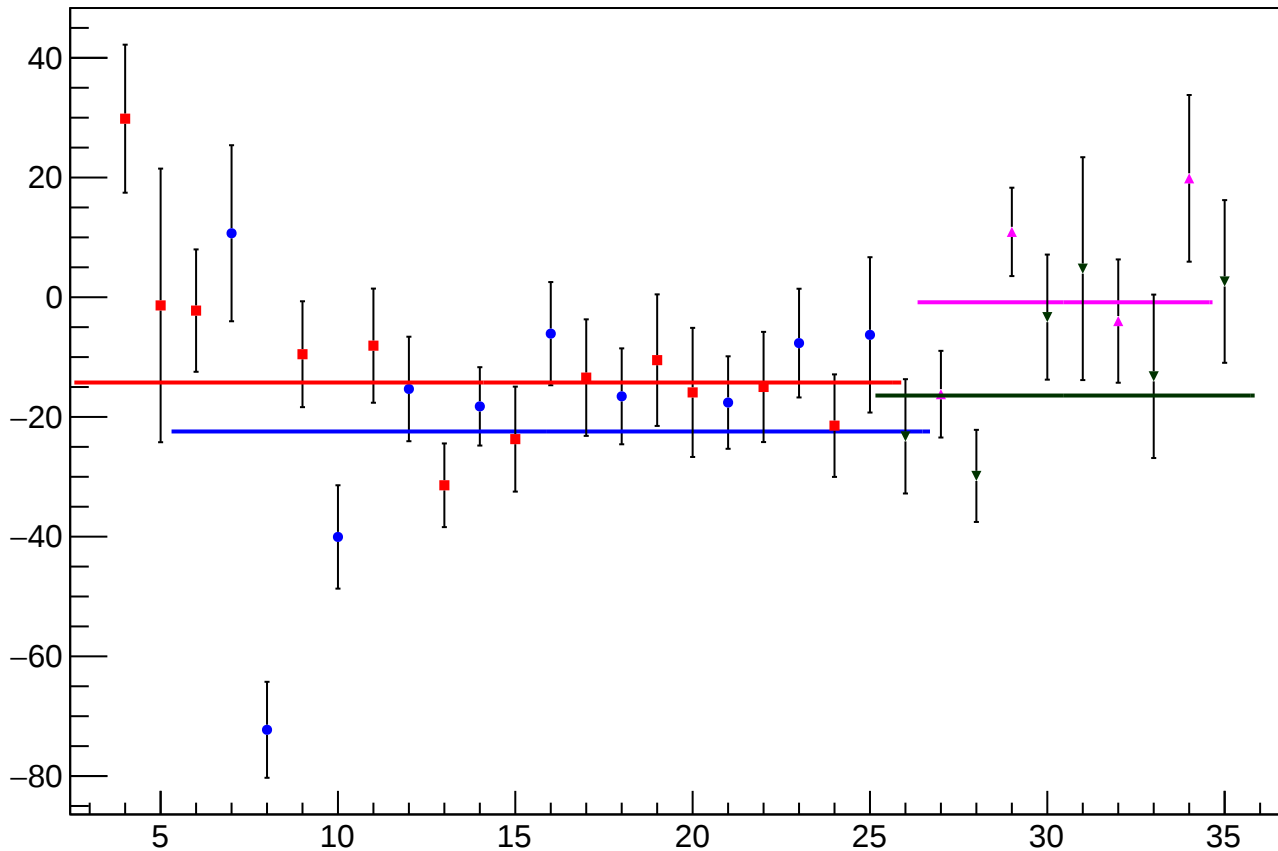
Right Out: 2245.118+/-0.631 χ^2/NDF : 17612.9/11

Left In: 2926.172+/-1.194 χ^2/NDF :175581.1/3

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

2393.927+/-0.558 χ^2/NDF : 447624.9/15

diff_bpm0l04X_mean vs slug



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

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

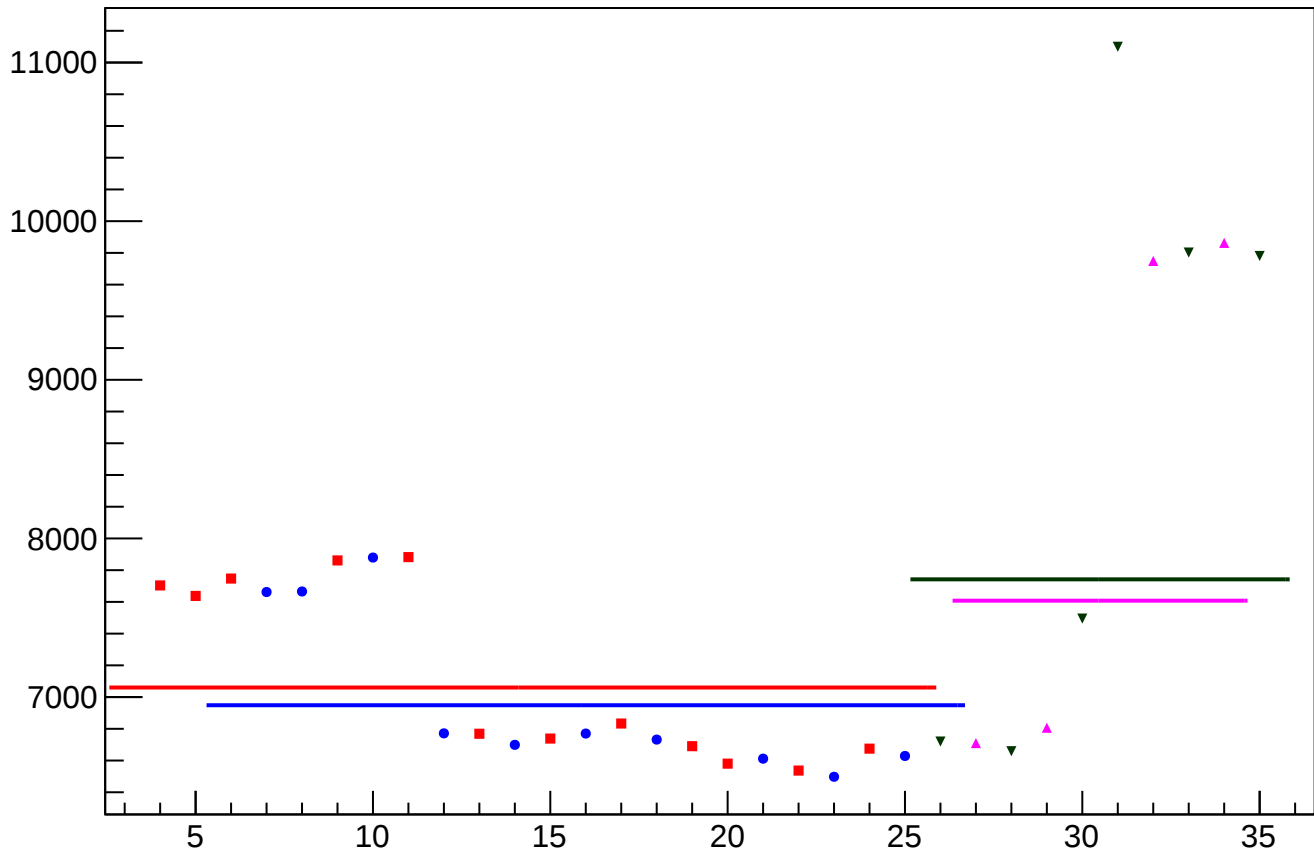
Right Out: -14.248 ± 2.794 $\chi^2/\text{NDF}: 23.2/11$

Left In: -0.841 ± 4.385 $\chi^2/\text{NDF}: 9.3/3$

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

-10.377 ± 2.356 $\chi^2/\text{NDF}: 39.2/15$

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

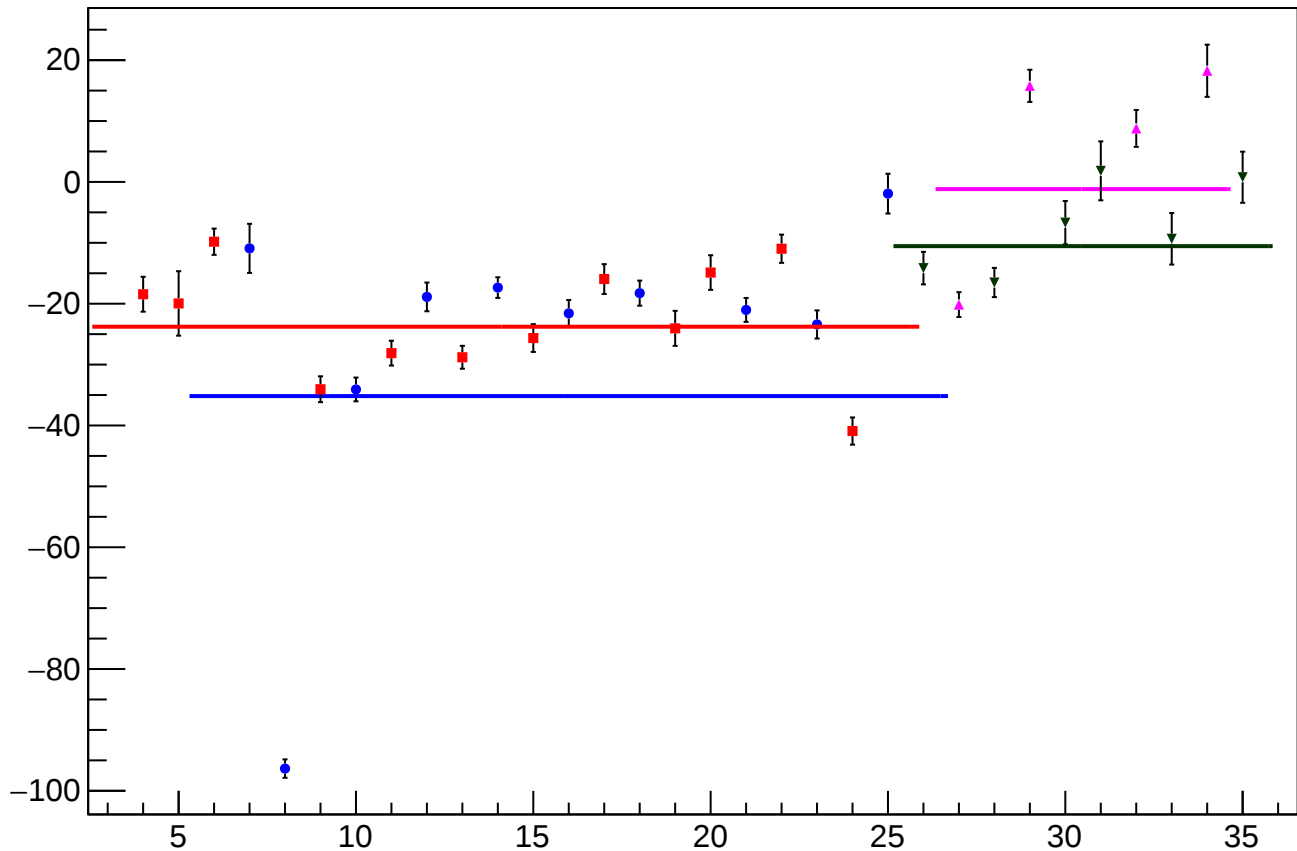
Right Out: 7060.304+/-1.976 χ^2/NDF : 70982.1/11

Left In: 7607.663+/-3.101 χ^2/NDF : 193199.8/3

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

7218.326+/-1.666 χ^2/NDF : 286344.9/15

diff_bpm0l04Y_mean vs slug



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

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

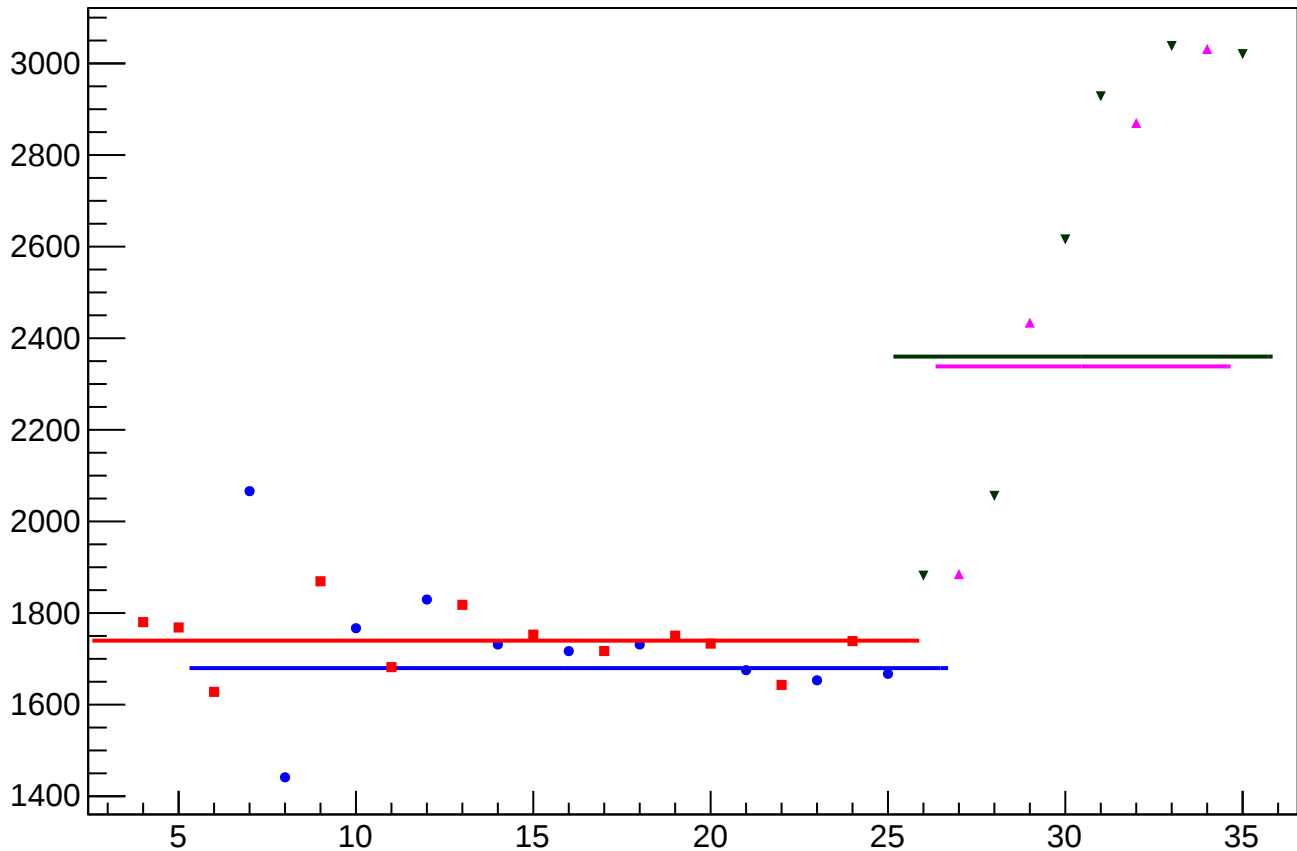
Right Out: -23.778+/-0.688 χ^2/NDF : 191.1/11

Left In: -1.179+/-1.352 χ^2/NDF : 159.1/3

-30.393+/-0.595 χ^2/NDF : 2408.0/15

-19.125+/-0.614 χ^2/NDF : 572.1/15

diff_bpm0l04Y_rms vs slug



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

Left Out: 2359.936+/-0.955 χ^2/NDF : 234763.5/5

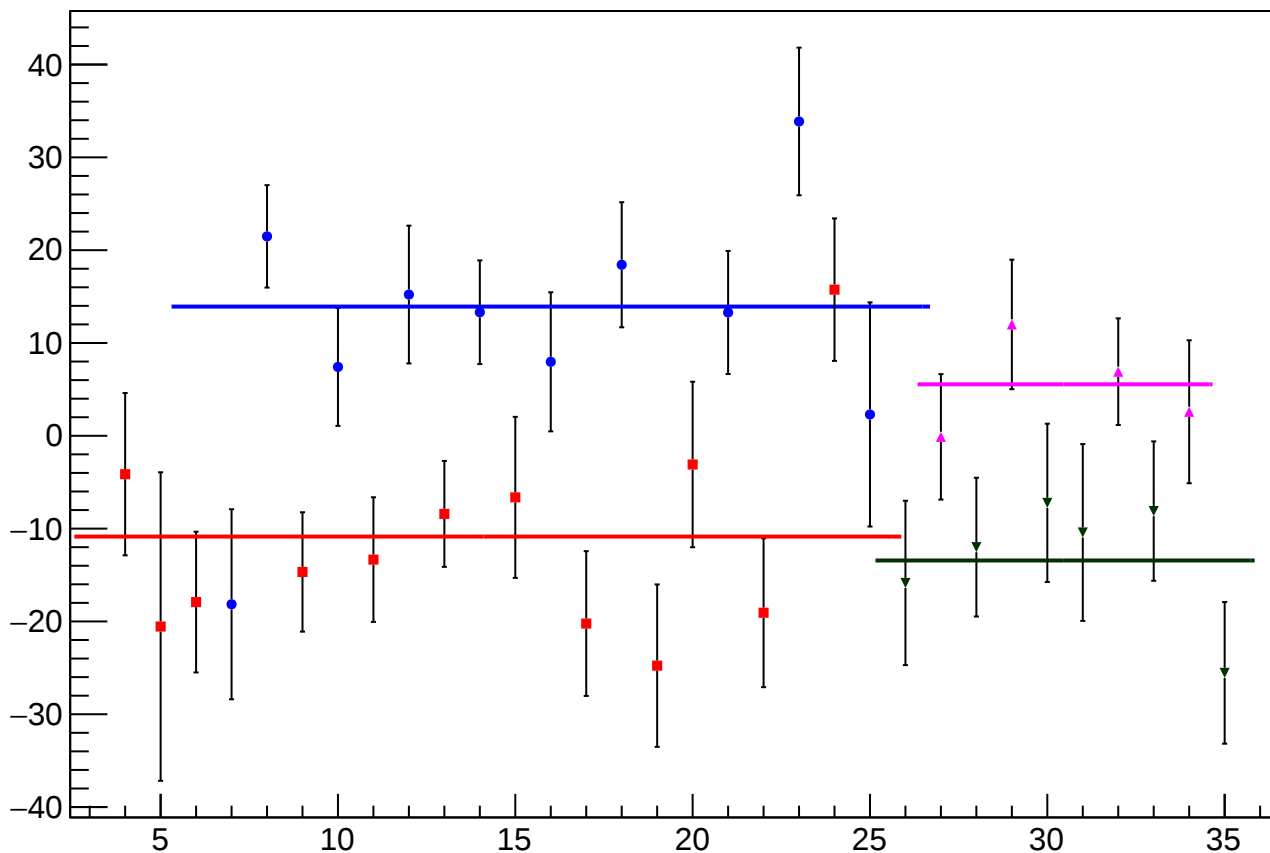
Right Out: 1739.740+/-0.487 χ^2/NDF : 22147.7/11

Left In: 2338.484+/-0.956 χ^2/NDF : 215395.3/3

1811.799+/-0.421 χ^2/NDF : 727359.3/15

1863.019+/-0.434 χ^2/NDF : 549005.4/15

diff_bpm0l05X_mean vs slug



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

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

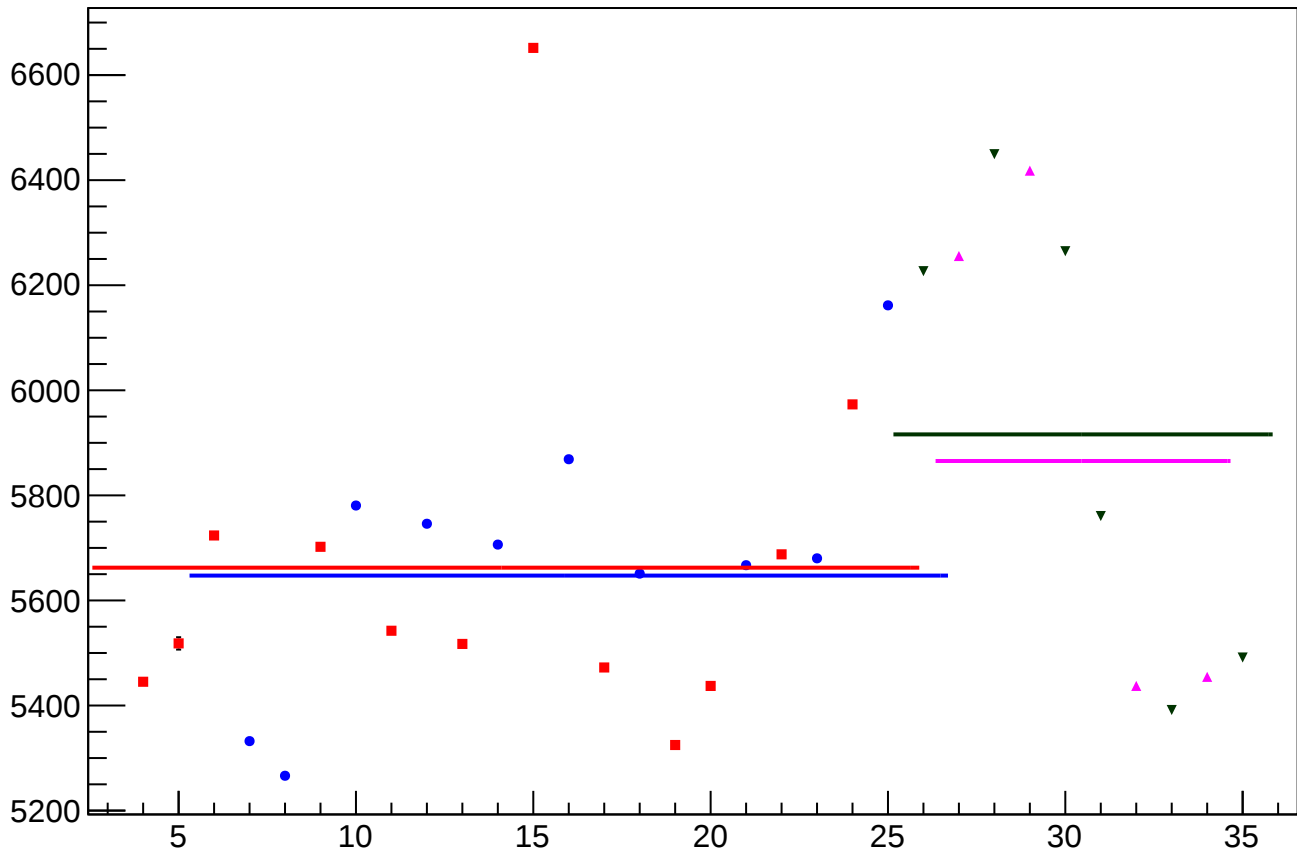
Right Out: -10.857 ± 2.241 $\chi^2/\text{NDF}: 20.5/11$

Left In: 5.548 ± 3.341 $\chi^2/\text{NDF}: 1.8/3$

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

-5.765 ± 1.861 $\chi^2/\text{NDF}: 38.9/15$

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

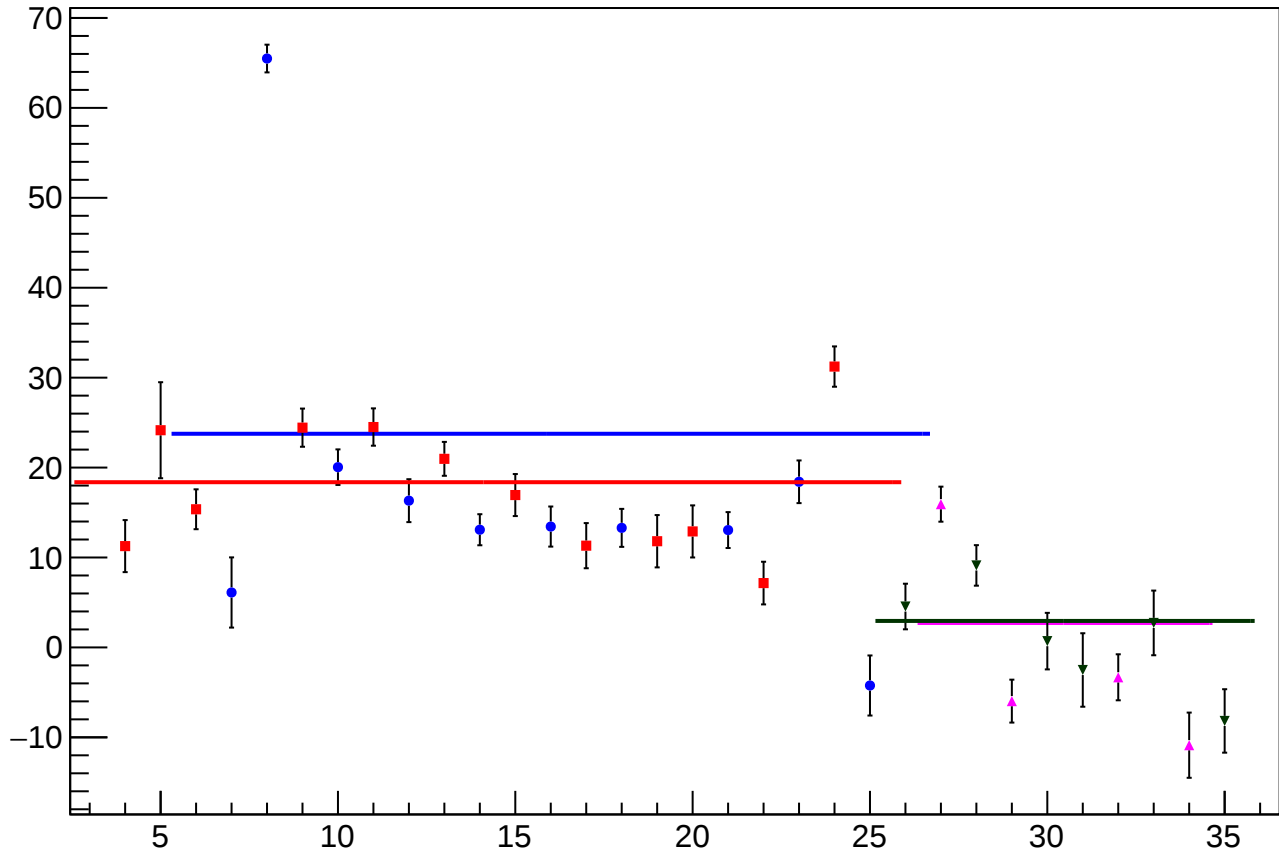
Right Out: 5662.385+/-1.585 χ^2/NDF : 38277.2/11

Left In: 5865.439+/-2.362 χ^2/NDF : 36013.5/3

5730.176+/-1.306 χ^2/NDF : 59825.0/15

5725.411+/-1.316 χ^2/NDF : 79385.4/15

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

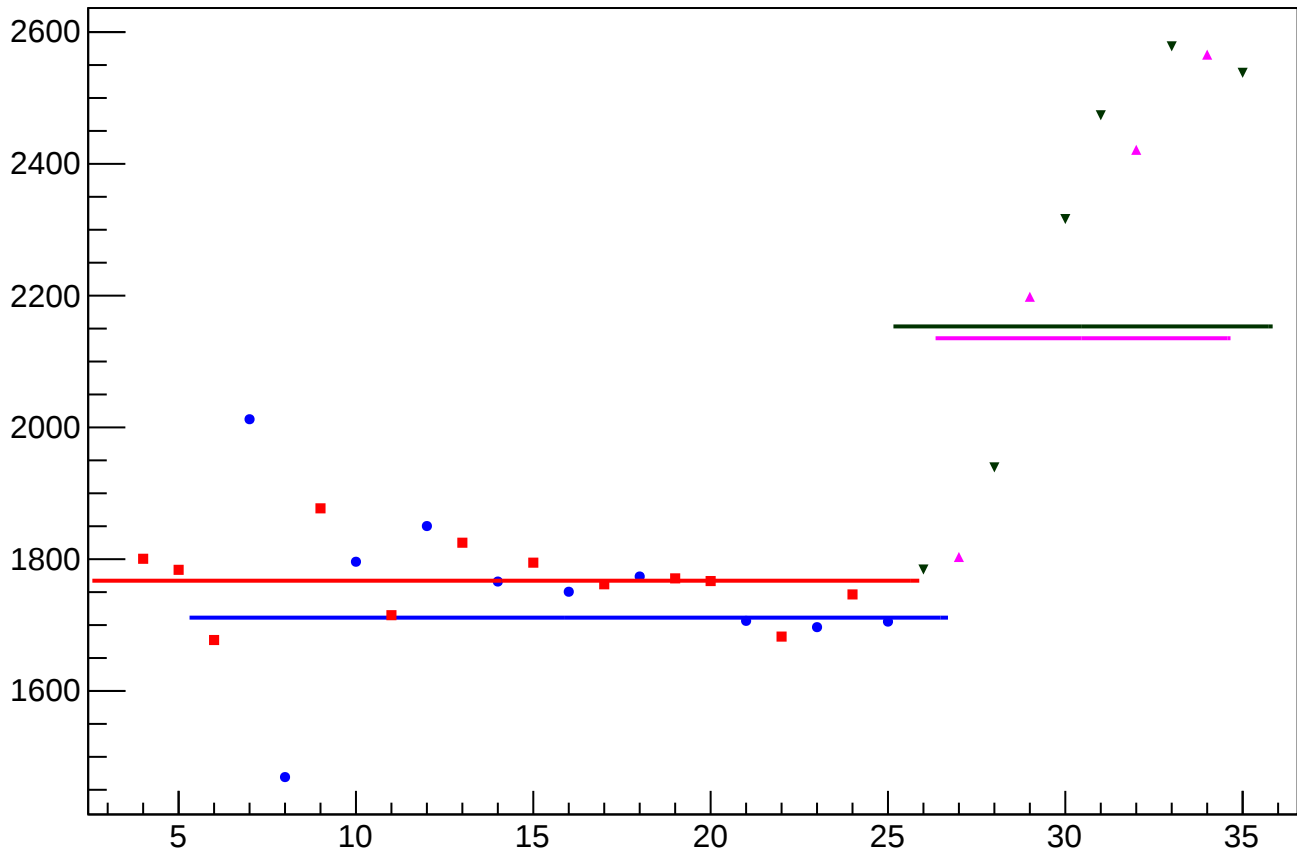
Right Out: 18.373 $\pm$ 0.699 χ^2 /NDF: 100.0/11

Left In: 2.717 $\pm$ 1.224 χ^2 /NDF: 78.9/3

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

14.524 $\pm$ 0.607 χ^2 /NDF: 302.4/15

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

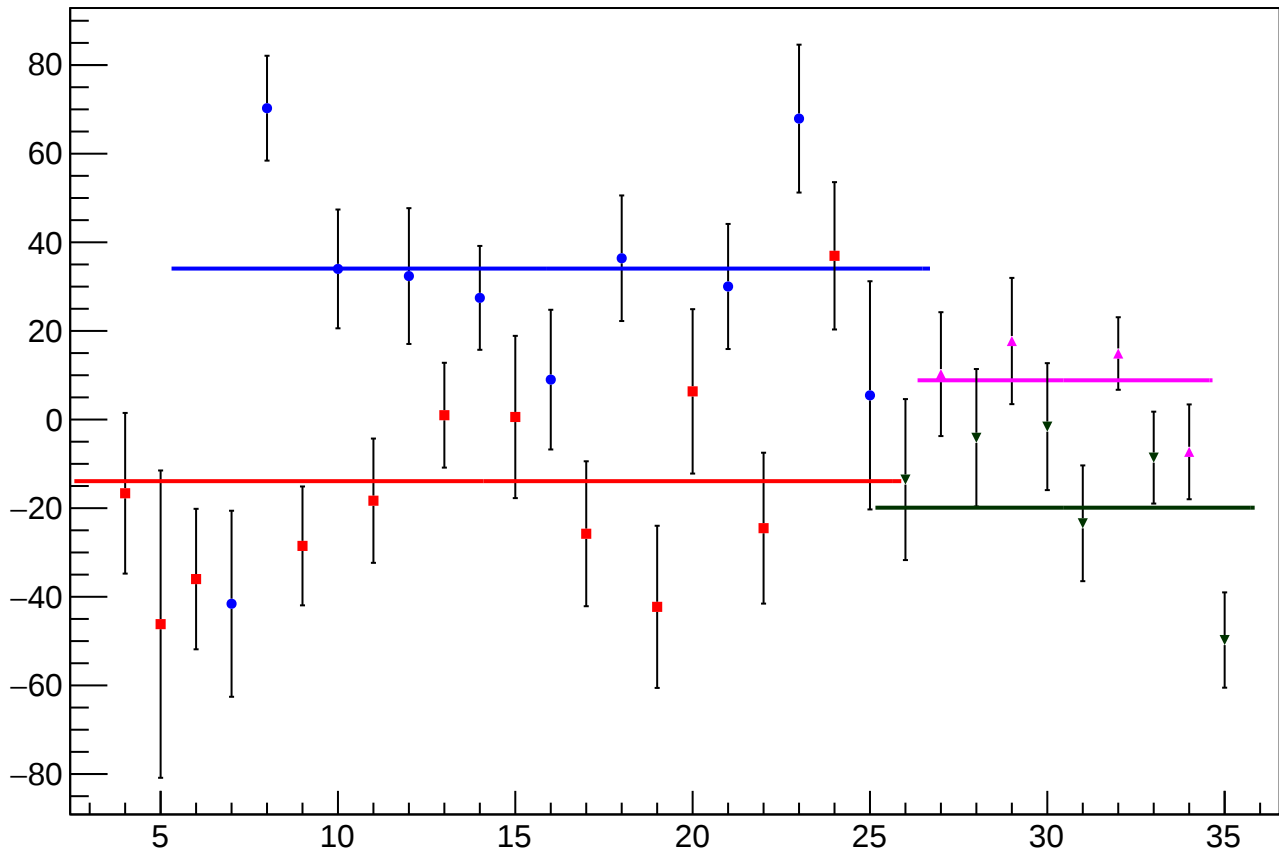
Right Out: 1767.340+/-0.494 χ^2/NDF : 15091.3/11

Left In: 2135.339+/-0.865 χ^2/NDF : 112649.5/3

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

1857.810+/-0.429 χ^2/NDF : 264160.9/15

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

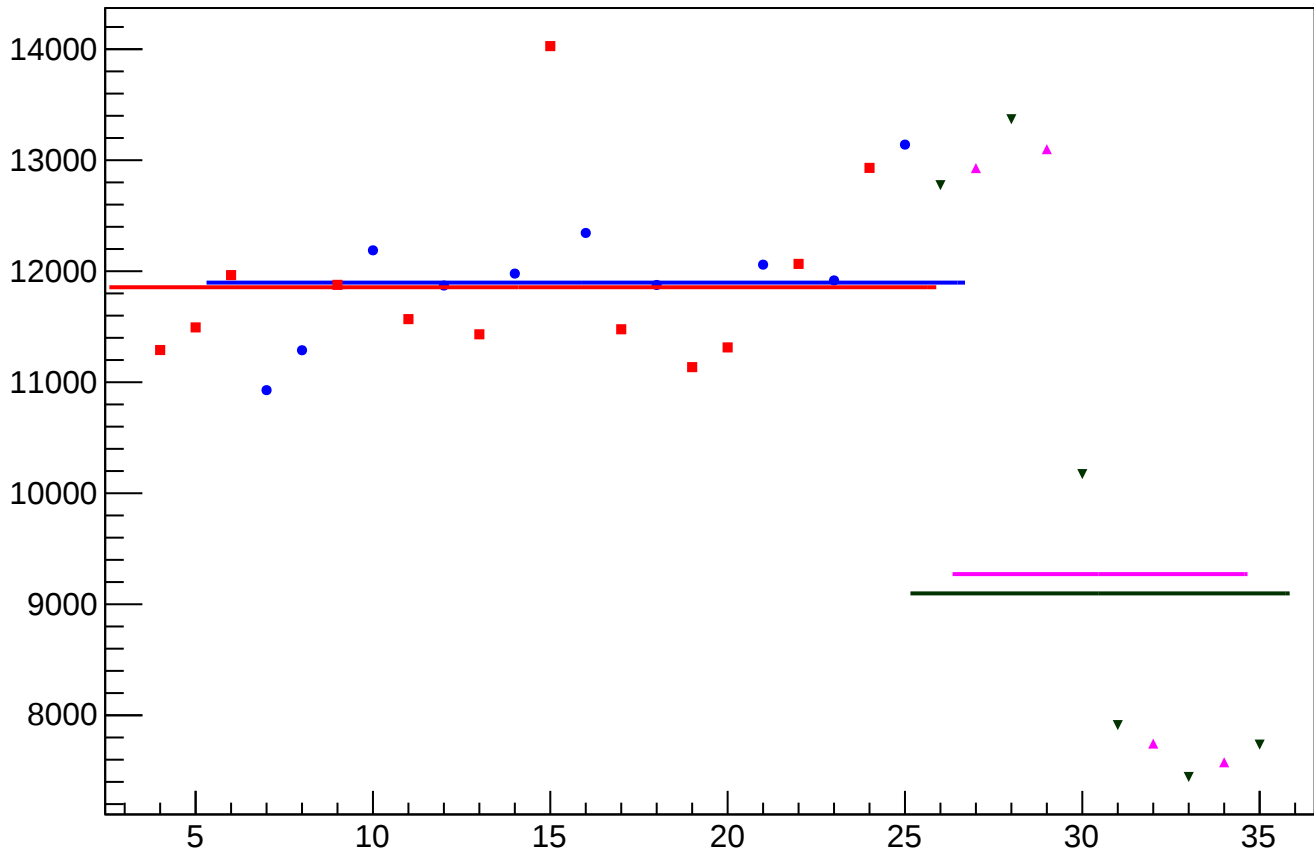
Right Out: -13.904 $\pm$ 4.697 χ^2 /NDF: 20.2/11

Left In: 8.857 $\pm$ 5.447 χ^2 /NDF:3.2/3

10.326 $\pm$ 3.503 χ^2 /NDF: 100.9/15

-4.196 $\pm$ 3.557 χ^2 /NDF: 33.4/15

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

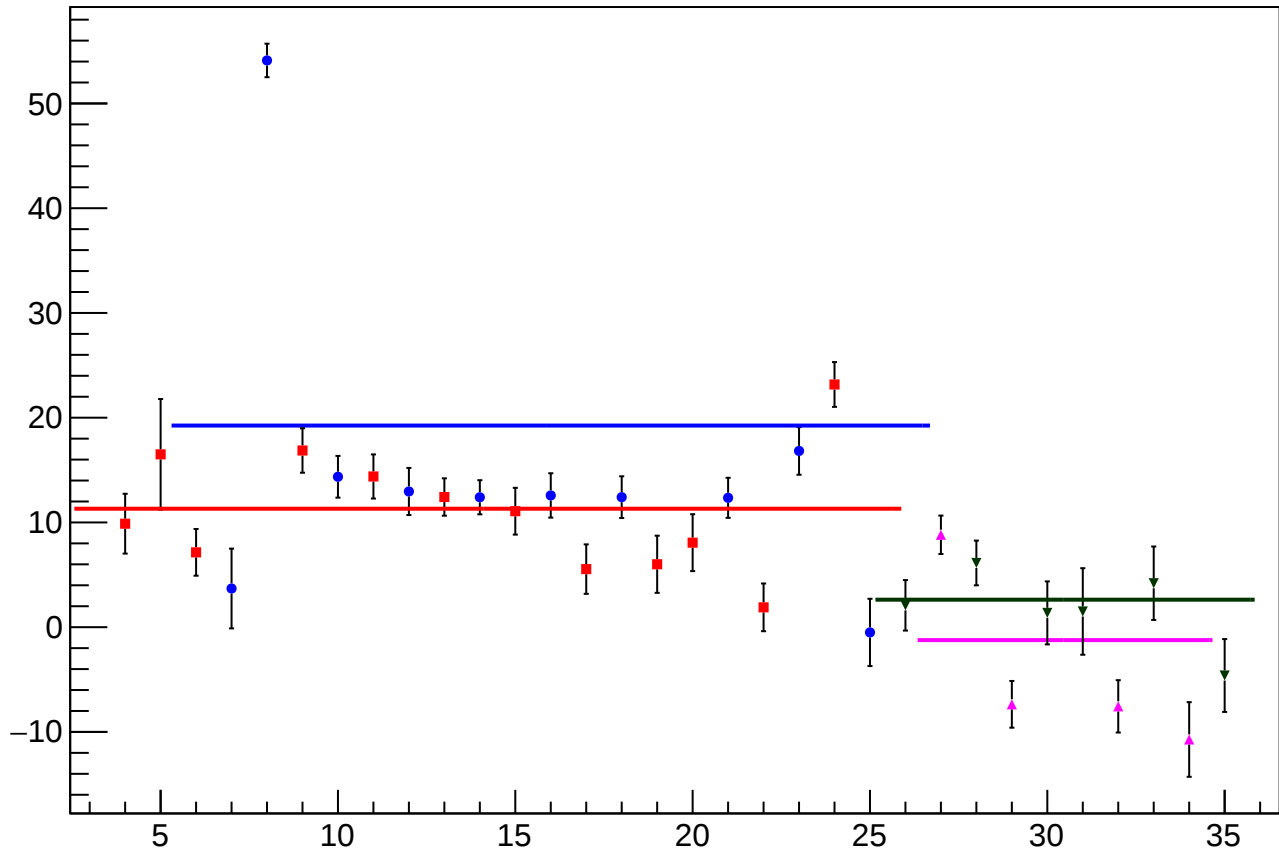
Right Out: 11855.642+/-3.322 χ^2/NDF : 48354.6/11

Left In: 9271.734+/-3.852 χ^2/NDF : 401045.6/3

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

10753.632+/-2.515 χ^2/NDF : 707502.7/15

diff_bpm0l06Y_mean vs slug



Right In: 19.249 $\pm$ 0.656 χ^2 /NDF: 596.3/9

Left Out: 2.625 $\pm$ 1.175 χ^2 /NDF: 7.5/5

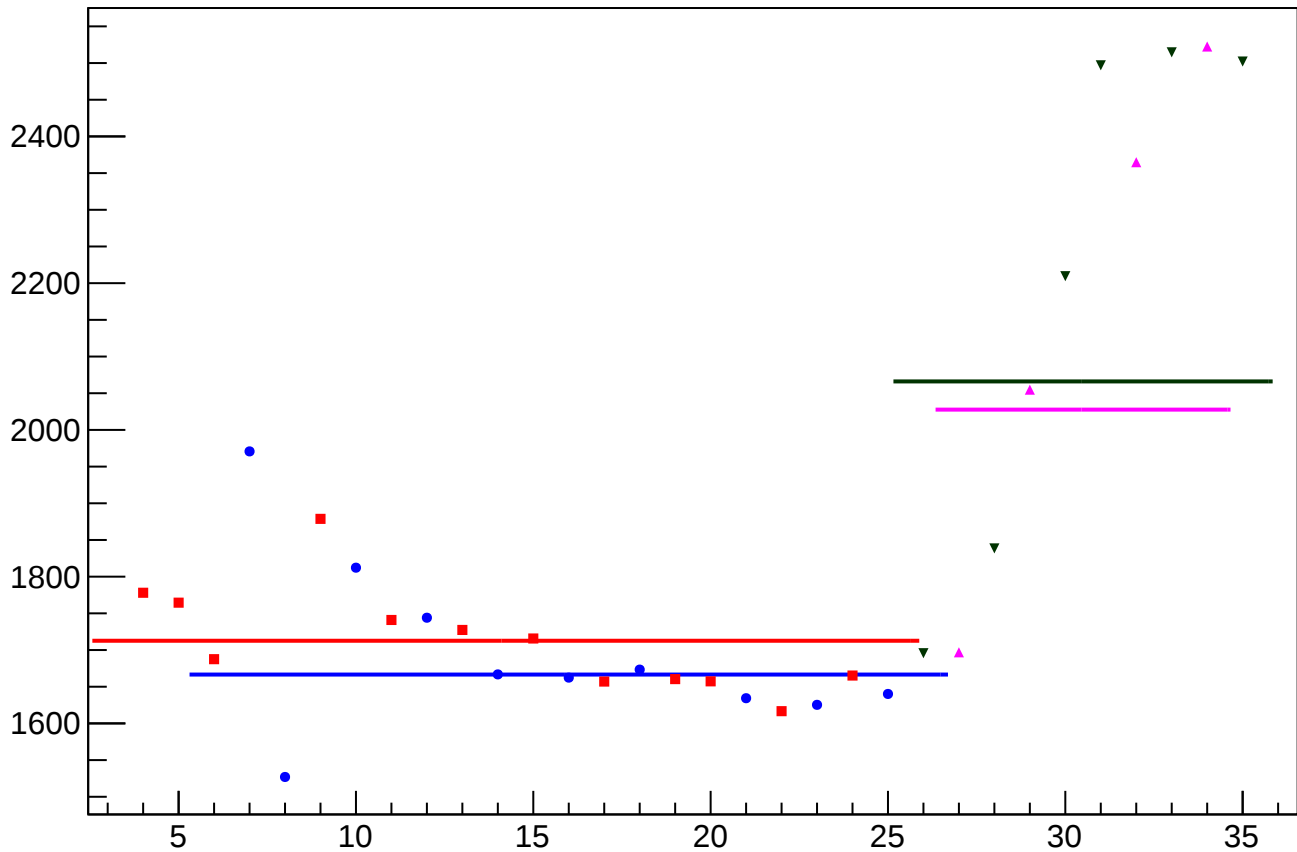
Right Out: 11.311 $\pm$ 0.677 χ^2 /NDF: 73.1/11

Left In: -1.234 $\pm$ 1.164 χ^2 /NDF: 51.1/3

15.299 $\pm$ 0.573 χ^2 /NDF: 756.5/15

8.142 $\pm$ 0.585 χ^2 /NDF: 211.0/15

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

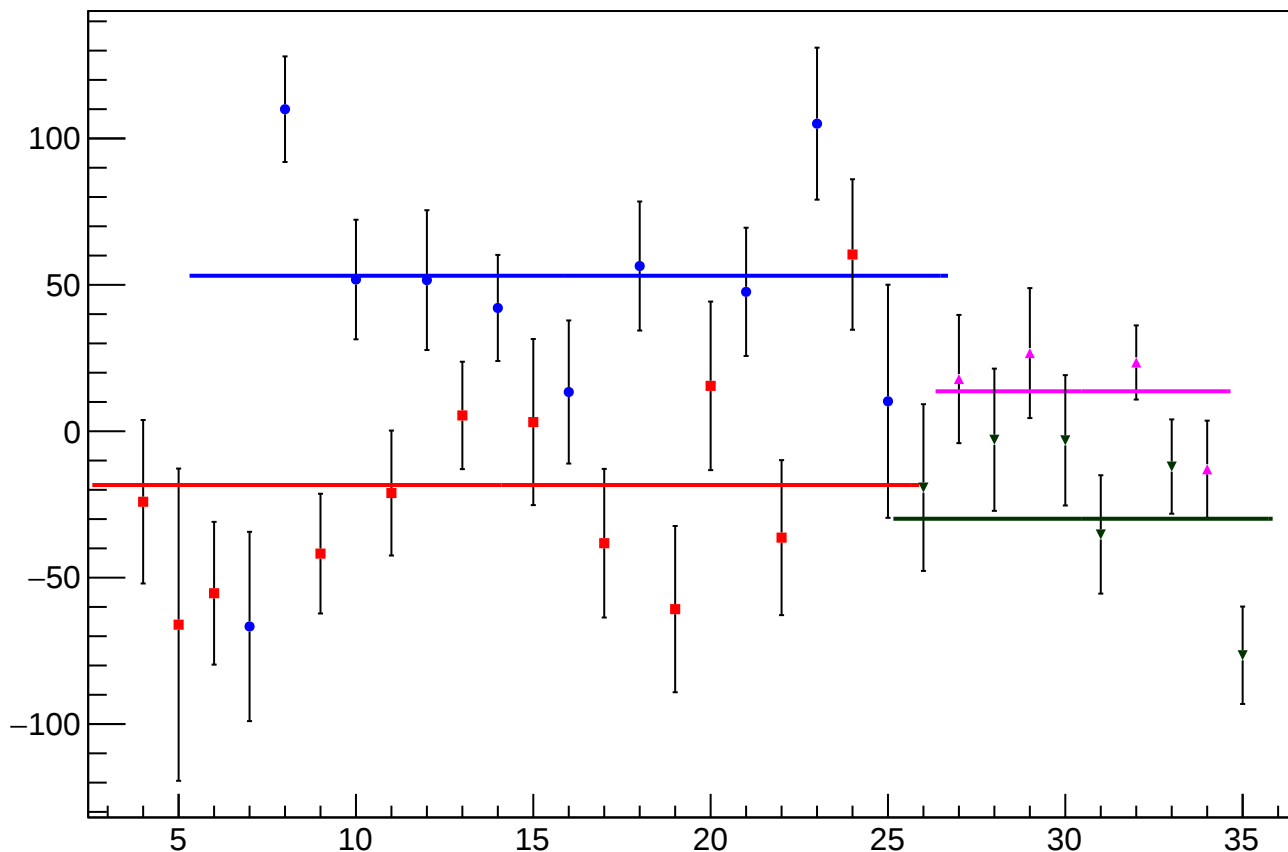
Right Out: 1712.647+/-0.479 χ^2/NDF : 21464.2/11

Left In: 2027.664+/-0.823 χ^2/NDF :140415.6/3

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

1792.218+/-0.414 χ^2/NDF : 271293.2/15

diff_bpm0l07X_mean vs slug



Right In: 53.110 ± 7.223 $\chi^2/\text{NDF}: 31.9/9$

Left Out: -29.880 ± 8.202 $\chi^2/\text{NDF}: 12.0/5$

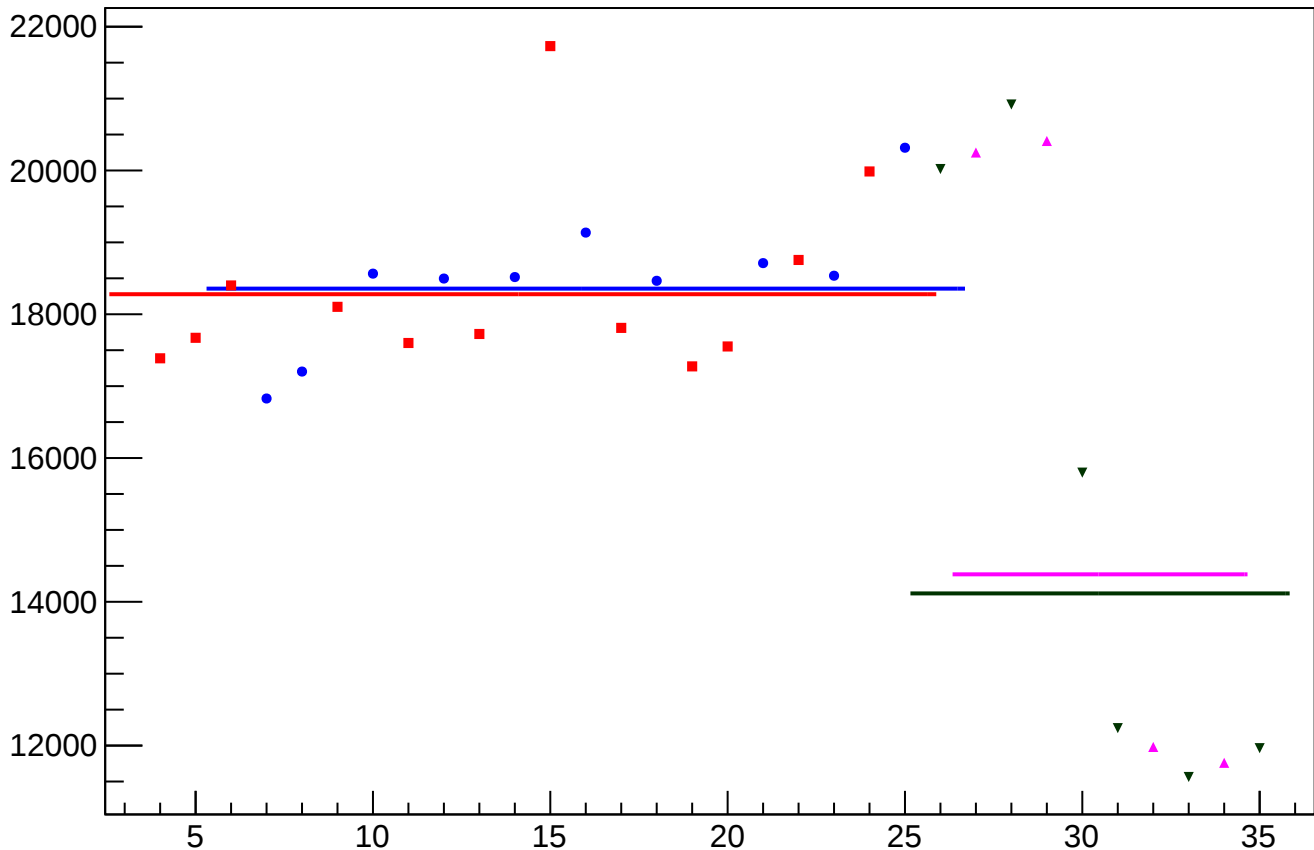
Right Out: -18.361 ± 7.243 $\chi^2/\text{NDF}: 20.8/11$

Left In: 13.651 ± 8.458 $\chi^2/\text{NDF}: 3.6/3$

16.859 ± 5.421 $\chi^2/\text{NDF}: 101.6/15$

-4.819 ± 5.501 $\chi^2/\text{NDF}: 32.6/15$

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

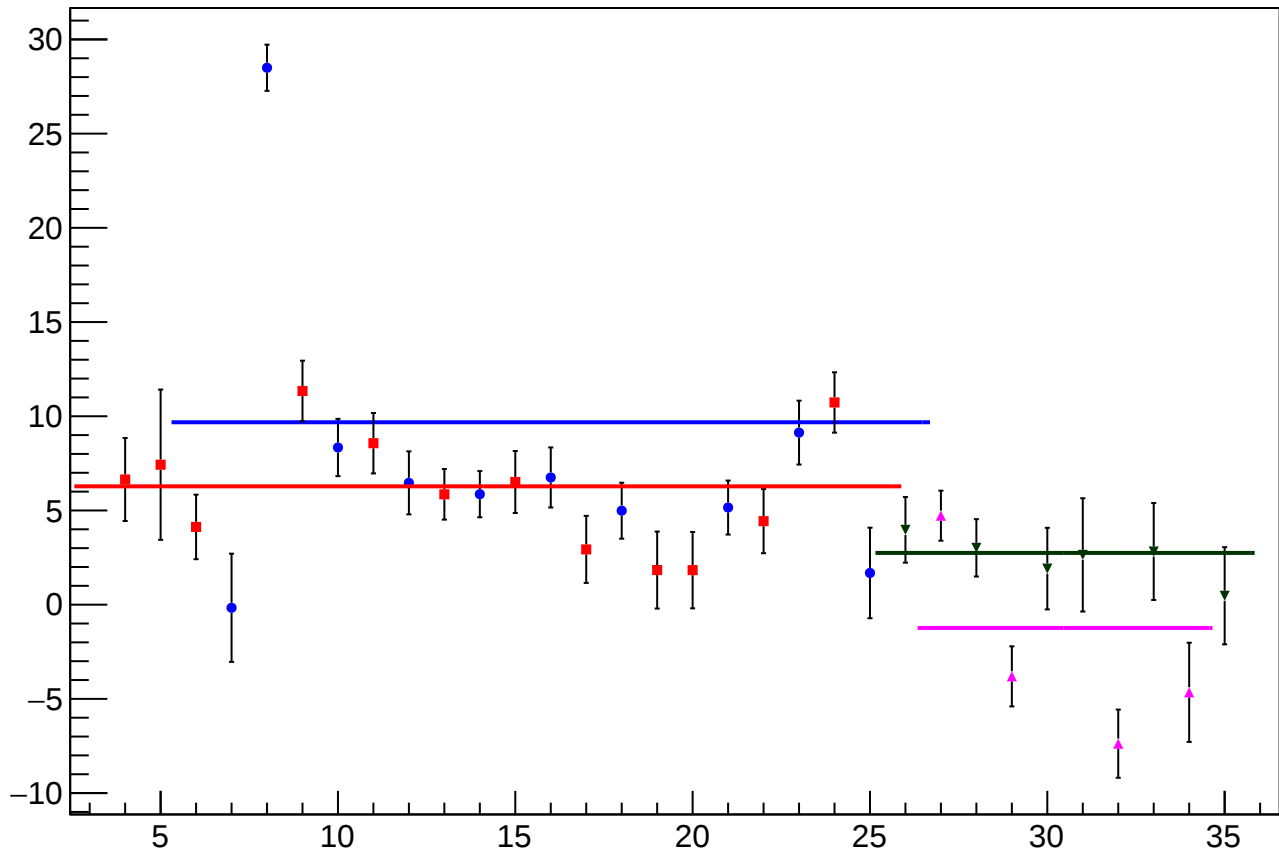
Right Out: 18278.807+/-5.121 χ^2/NDF : 49891.5/11

Left In: 14382.147+/-5.981 χ^2/NDF : 412949.2/3

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

16630.410+/-3.890 χ^2/NDF : 707748.1/15

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

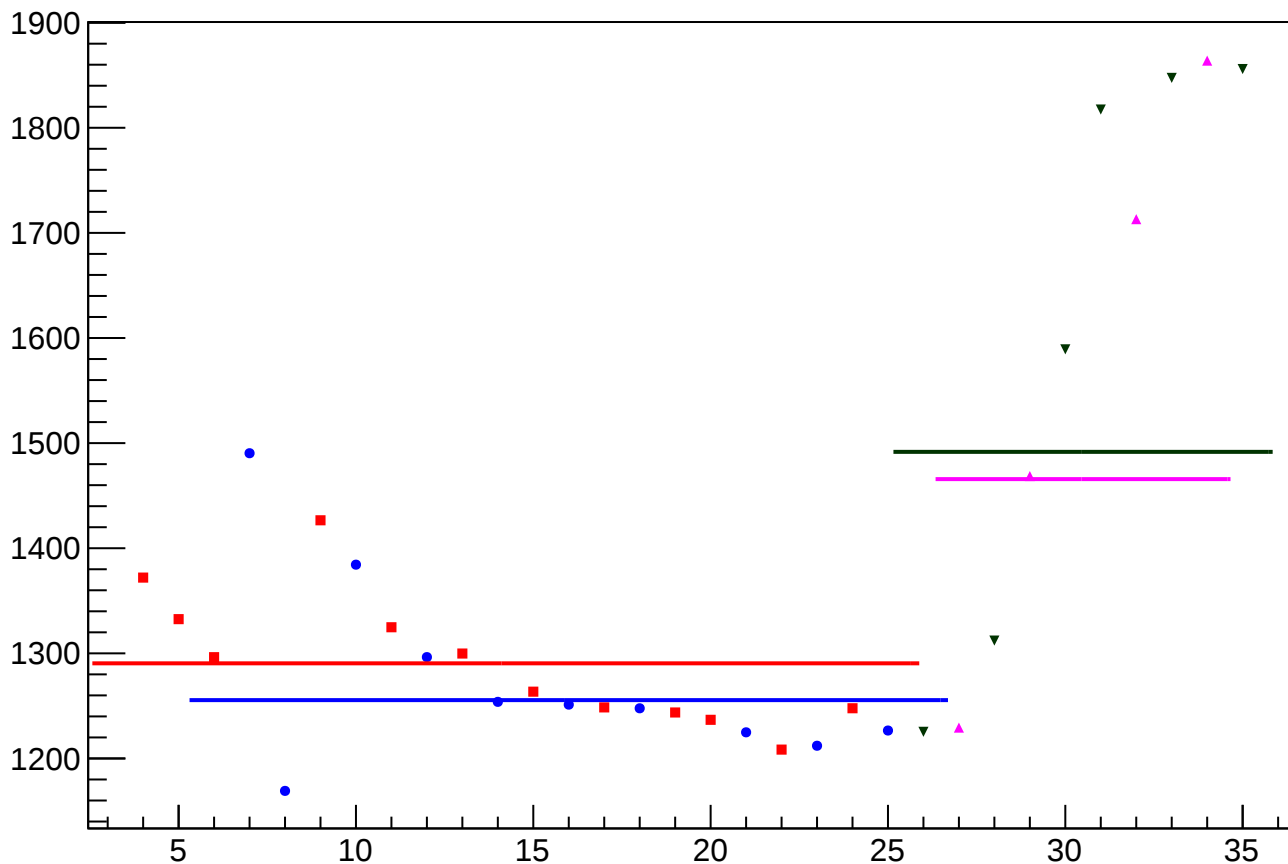
Right Out: 6.280 ± 0.510 χ^2/NDF : 35.7/11

Left In: -1.235 ± 0.842 χ^2/NDF : 35.9/3

7.929 ± 0.427 χ^2/NDF : 347.5/15

4.263 ± 0.436 χ^2/NDF : 129.9/15

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

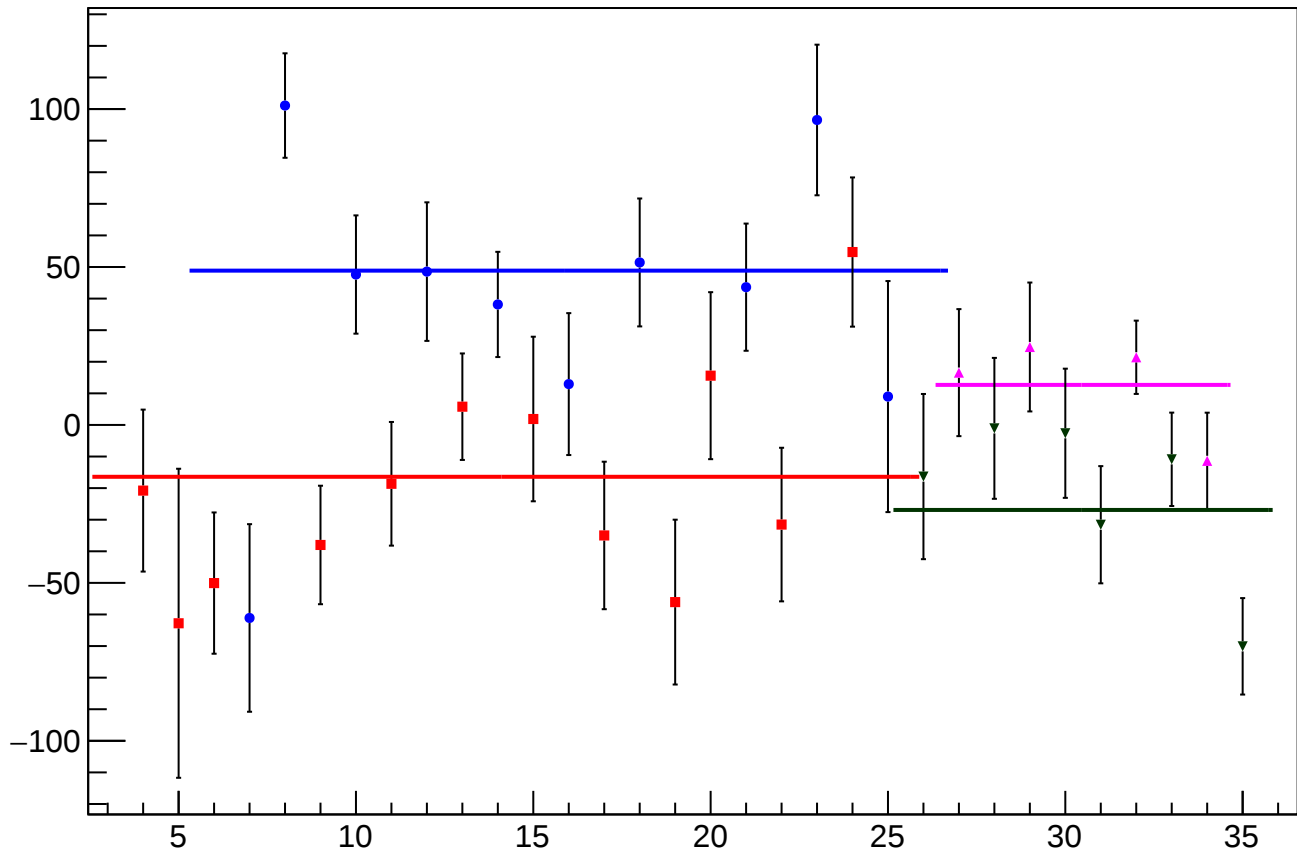
Right Out: 1290.505 $\pm$ 0.361 χ^2 /NDF: 28459.4/11

Left In: 1465.759 $\pm$ 0.595 χ^2 /NDF:146510.4/3

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

1337.551 $\pm$ 0.308 χ^2 /NDF: 238347.3/15

diff_bpm0l08X_mean vs slug



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

Left Out: -26.911 ± 7.530 $\chi^2/\text{NDF}: 12.1/5$

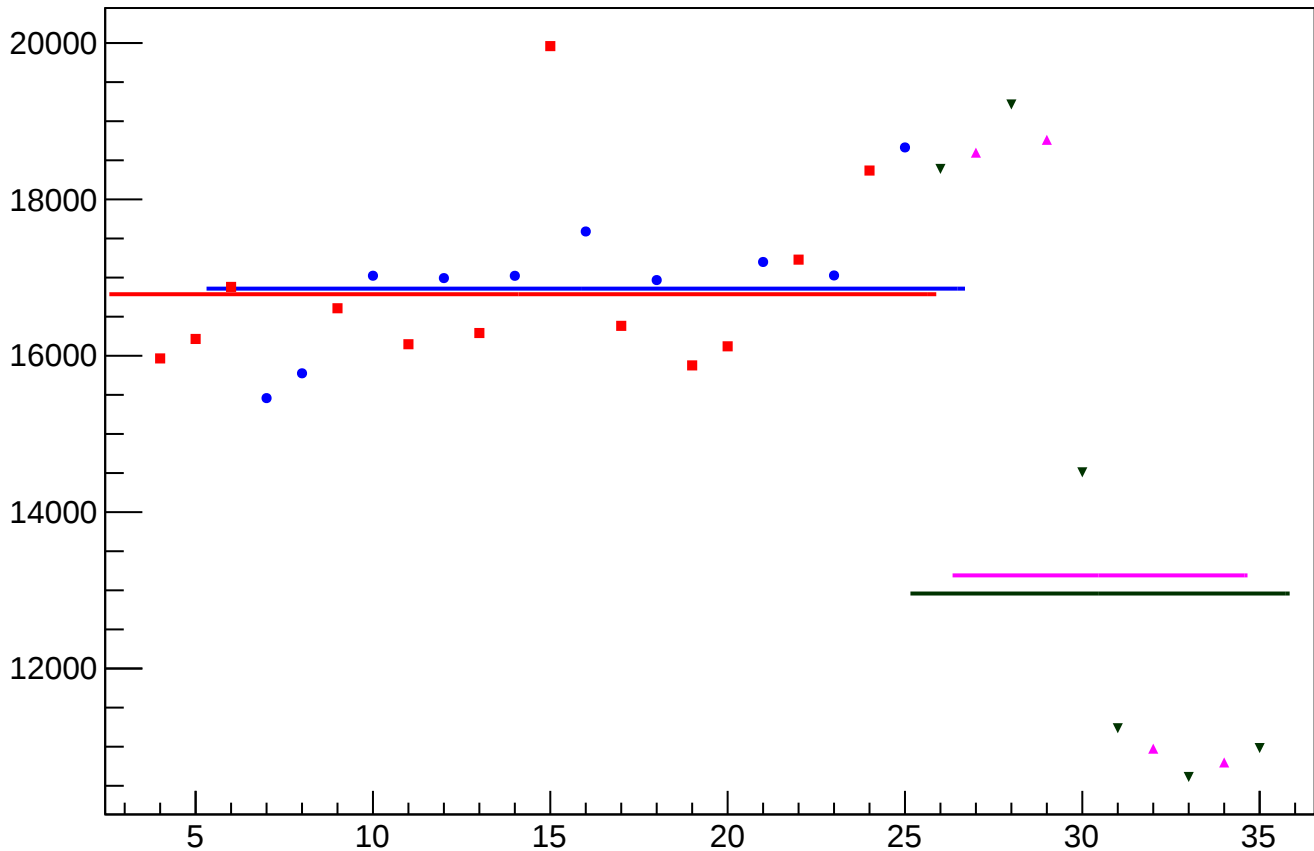
Right Out: -16.413 ± 6.651 $\chi^2/\text{NDF}: 20.6/11$

Left In: 12.678 ± 7.760 $\chi^2/\text{NDF}: 3.4/3$

15.745 ± 4.978 $\chi^2/\text{NDF}: 101.1/15$

-4.092 ± 5.050 $\chi^2/\text{NDF}: 32.2/15$

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

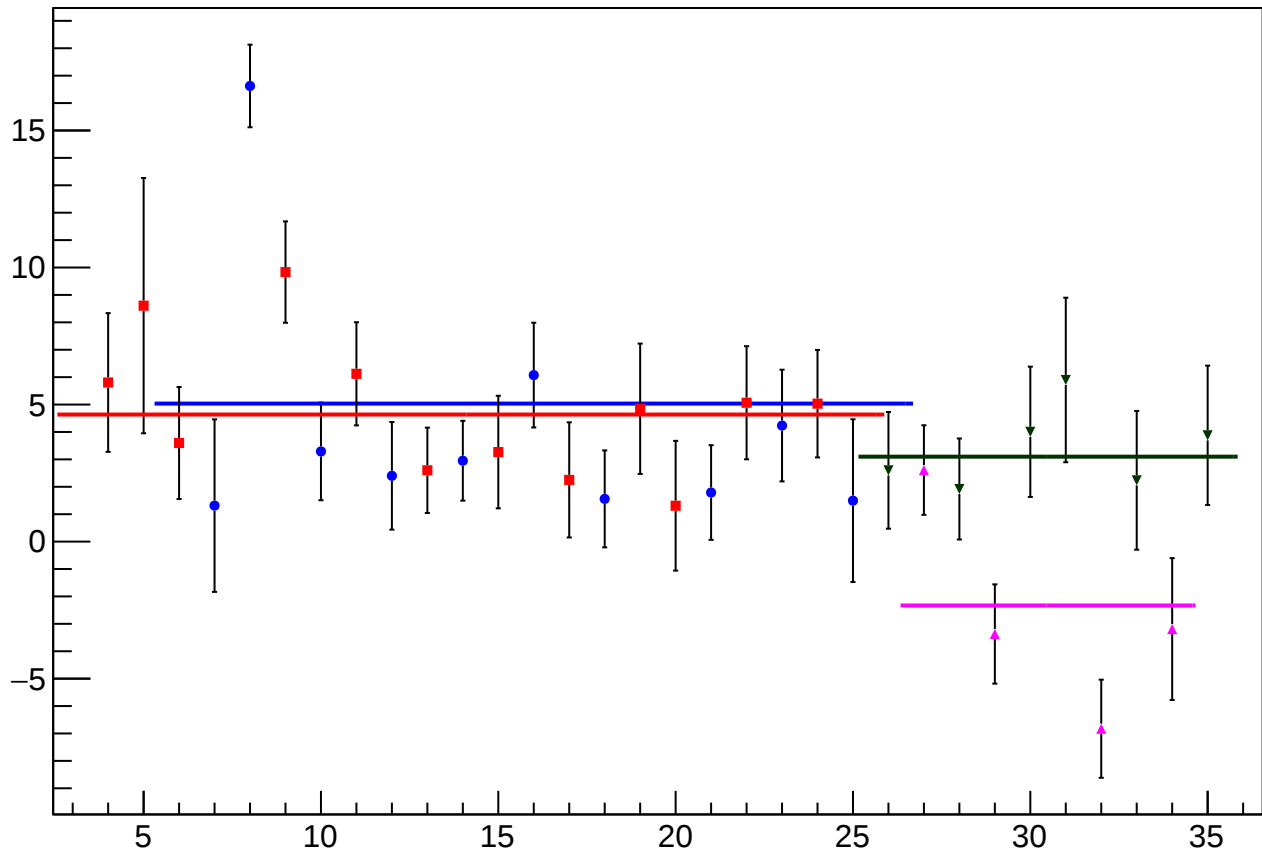
Right Out: 16787.169+/-4.703 χ^2/NDF : 50027.0/11

Left In: 13191.031+/-5.487 χ^2/NDF : 415963.2/3

15154.667+/-3.520 χ^2/NDF : 679306.2/15

15264.034+/-3.571 χ^2/NDF : 713602.4/15

diff_bpm0l08Y_mean vs slug



Right In: 5.036 $\pm$ 0.590 χ^2 /NDF: 74.6/9

Left Out: 3.099 $\pm$ 0.947 χ^2 /NDF: 1.7/5

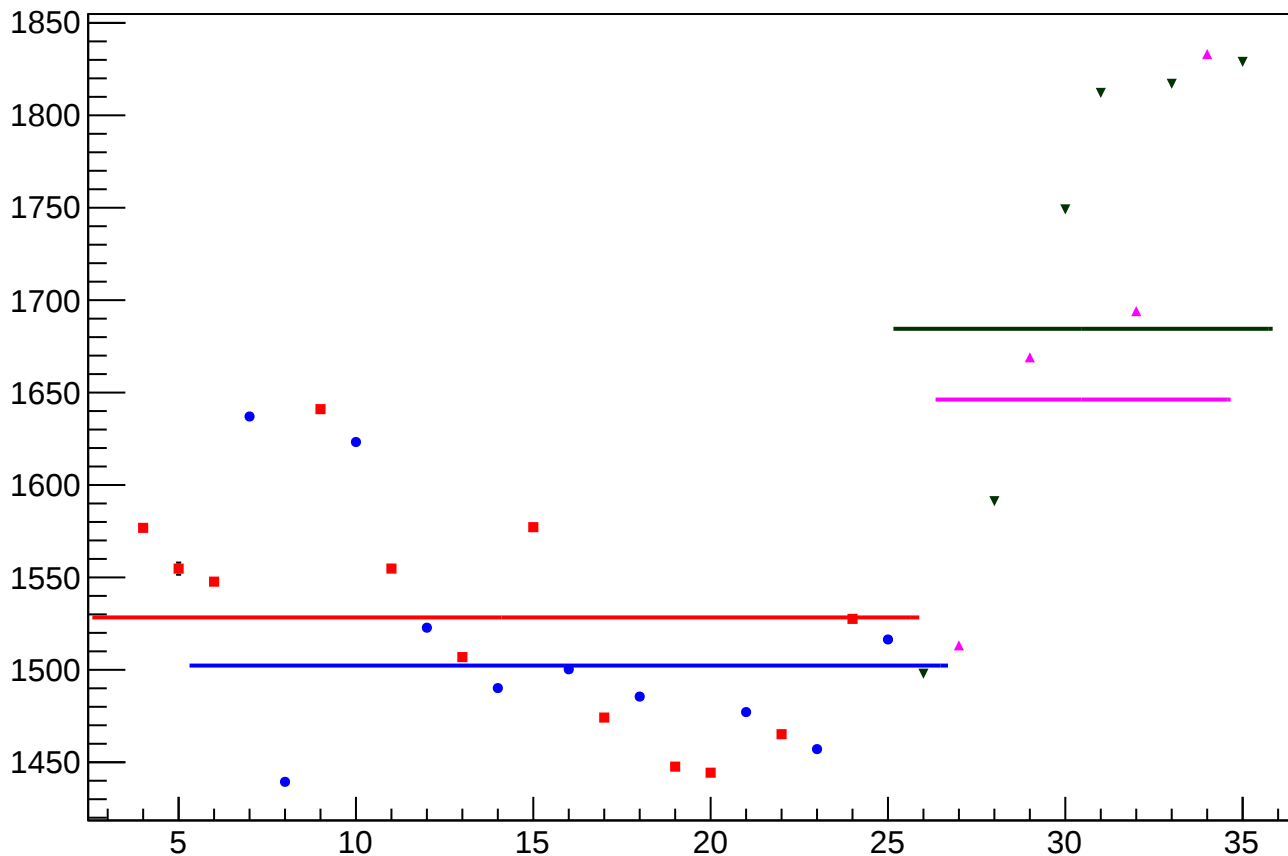
Right Out: 4.636 $\pm$ 0.604 χ^2 /NDF: 15.2/11

Left In: -2.329 $\pm$ 0.936 χ^2 /NDF: 15.9/3

4.494 $\pm$ 0.501 χ^2 /NDF: 79.3/15

2.590 $\pm$ 0.507 χ^2 /NDF: 70.2/15

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

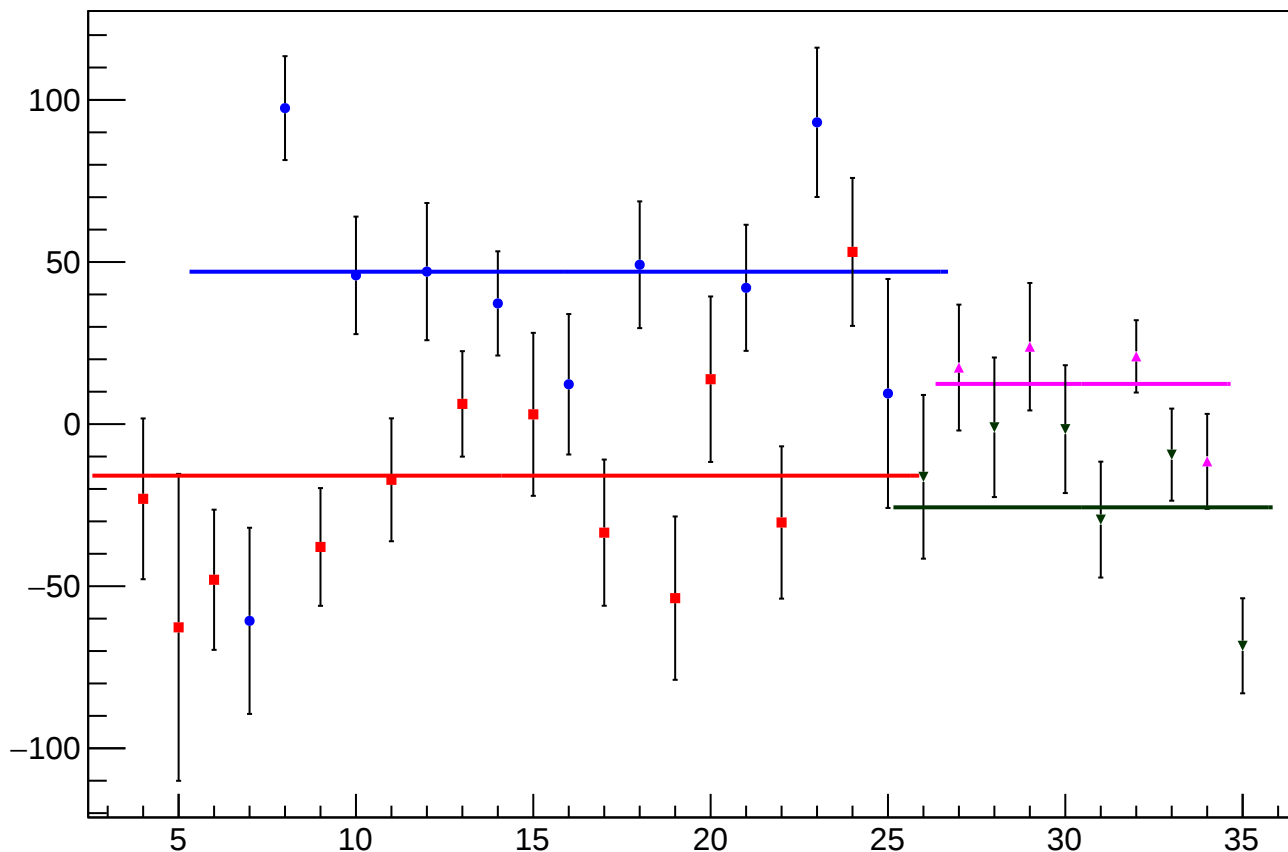
Right Out: 1528.347+/-0.427 χ^2/NDF : 18336.6/11

Left In: 1646.228+/-0.662 χ^2/NDF : 25425.5/3

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

1562.968+/-0.359 χ^2/NDF : 66152.4/15

diff_bpm0l09X_mean vs slug



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

Left Out: -25.669 $\pm$ 7.248 χ^2 /NDF:12.8/5

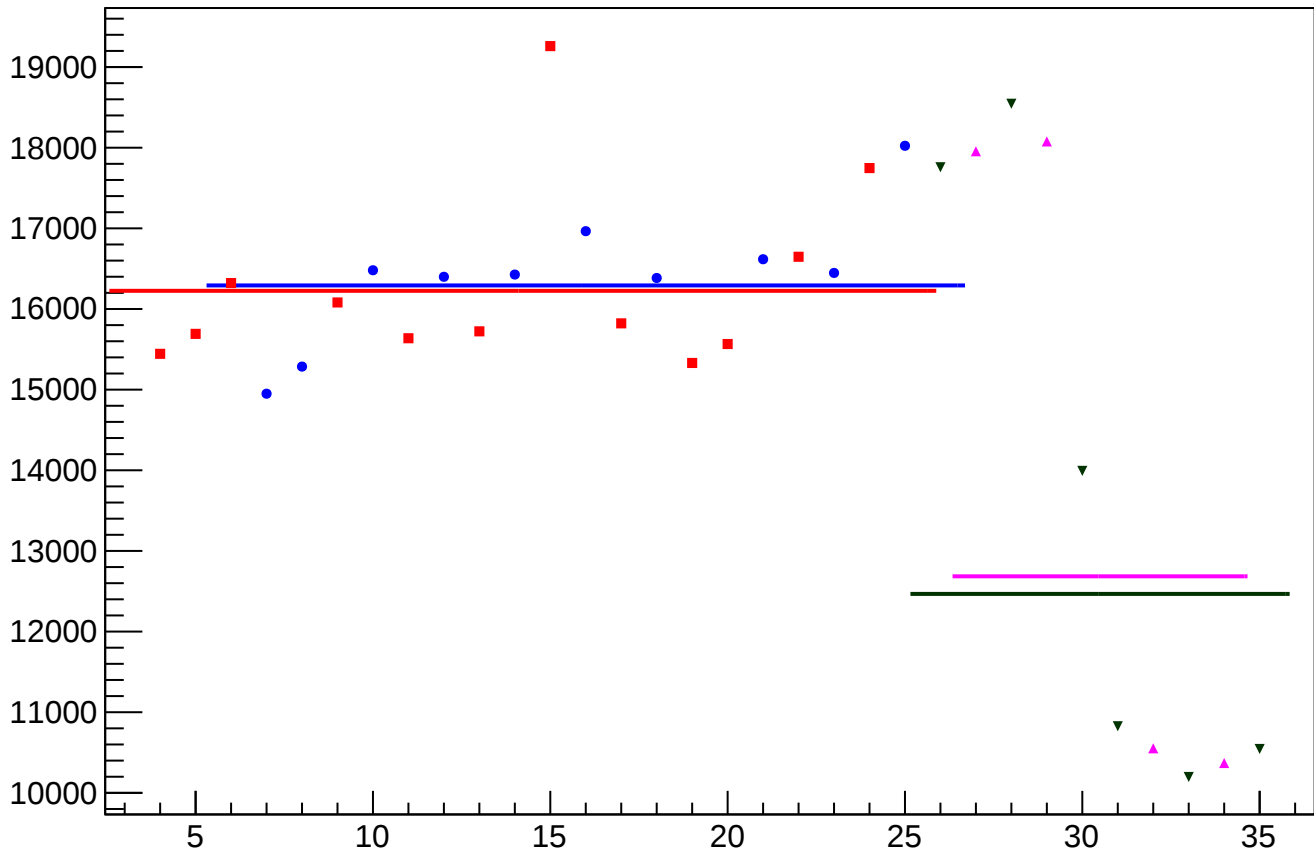
Right Out: -15.898 $\pm$ 6.429 χ^2 /NDF: 20.9/11

Left In: 12.401 $\pm$ 7.465 χ^2 /NDF:3.6/3

15.110 $\pm$ 4.802 χ^2 /NDF: 101.4/15

-3.848 $\pm$ 4.871 χ^2 /NDF: 32.8/15

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

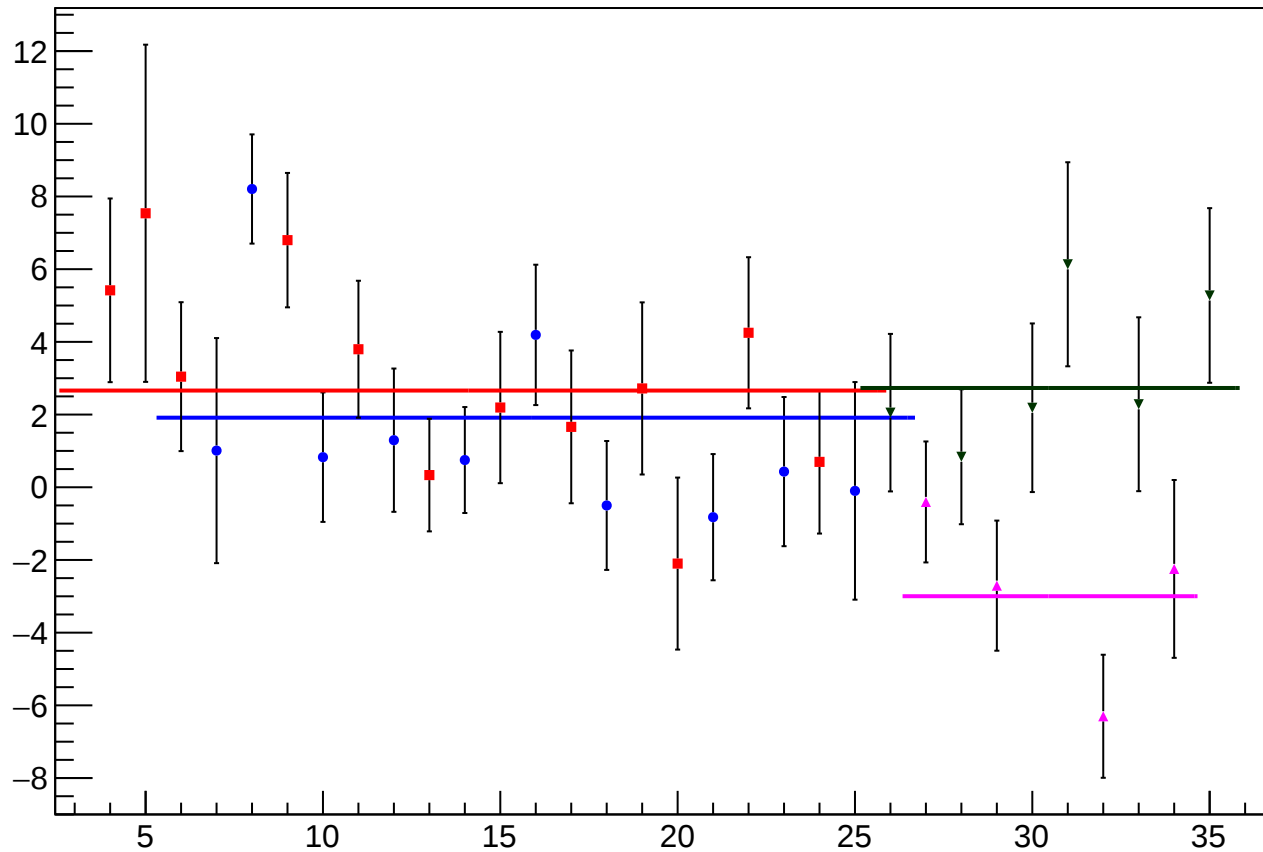
Right Out: 16225.365+/-4.546 χ^2/NDF : 49424.2/11

Left In: 12685.170+/-5.279 χ^2/NDF : 421041.4/3

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

14717.985+/-3.445 χ^2/NDF : 728715.7/15

diff_bpm0l09Y_mean vs slug



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

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

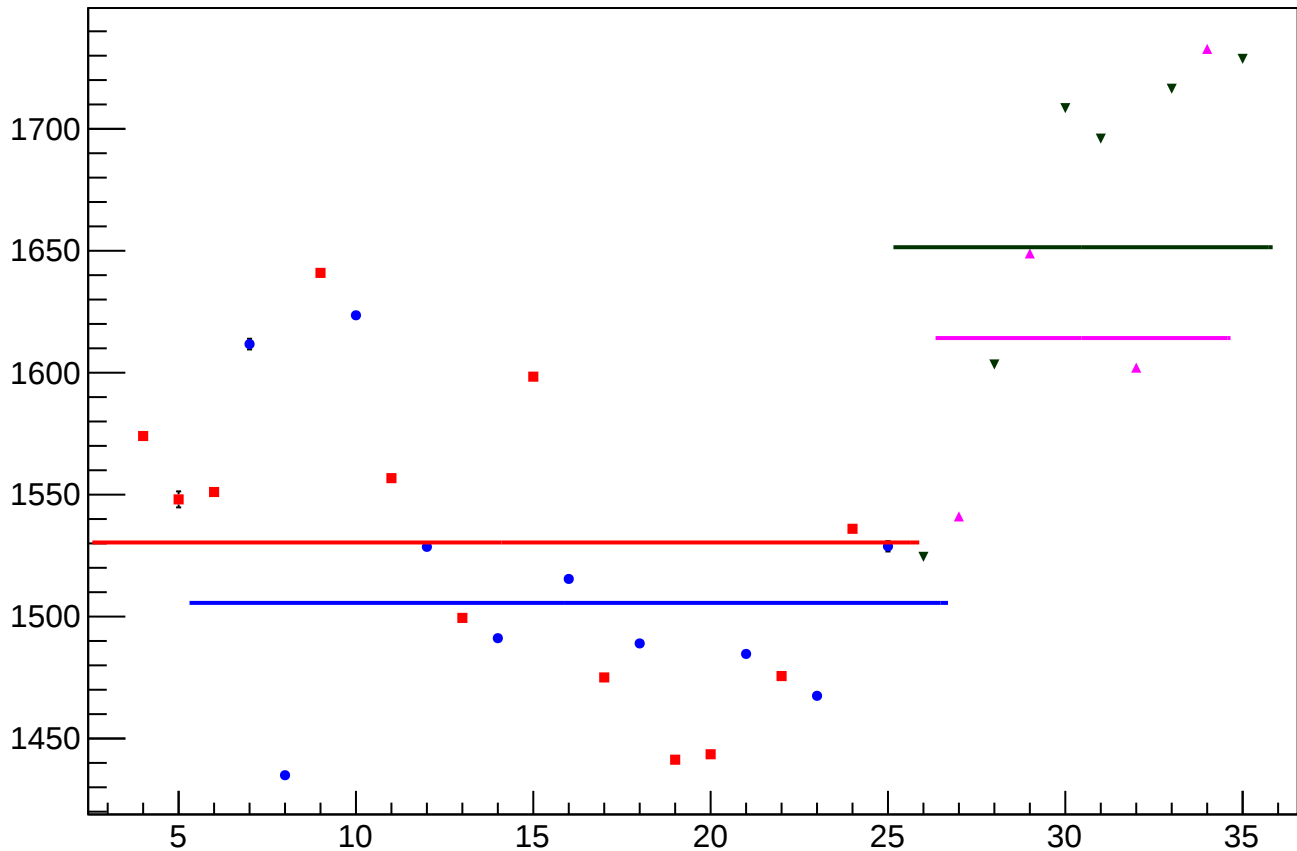
Right Out: 2.661 ± 0.605 $\chi^2/\text{NDF}: 15.9/11$

Left In: -2.997 ± 0.917 $\chi^2/\text{NDF}: 6.4/3$

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

0.946 ± 0.505 $\chi^2/\text{NDF}: 48.8/15$

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

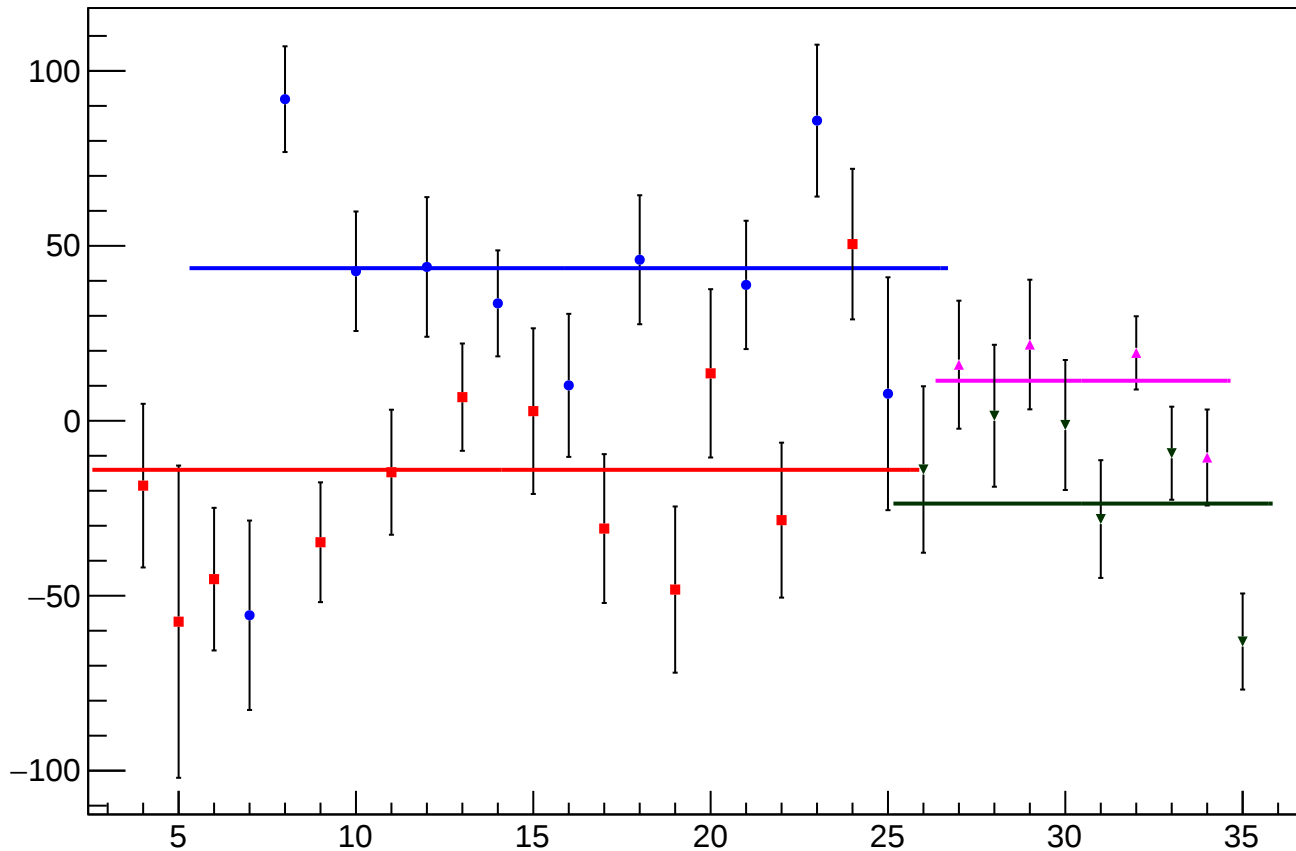
Right Out: 1530.389+/-0.428 χ^2/NDF : 19618.0/11

Left In: 1614.216+/-0.648 χ^2/NDF :9416.5/3

1547.829+/-0.353 χ^2/NDF : 65992.5/15

1555.794+/-0.357 χ^2/NDF : 40684.1/15

diff_bpm0l10X_mean vs slug



Right In: 43.620 +/- 6.044 χ^2/NDF : 31.8/9

Left Out: -23.662 +/- 6.807 χ^2/NDF : 12.6/5

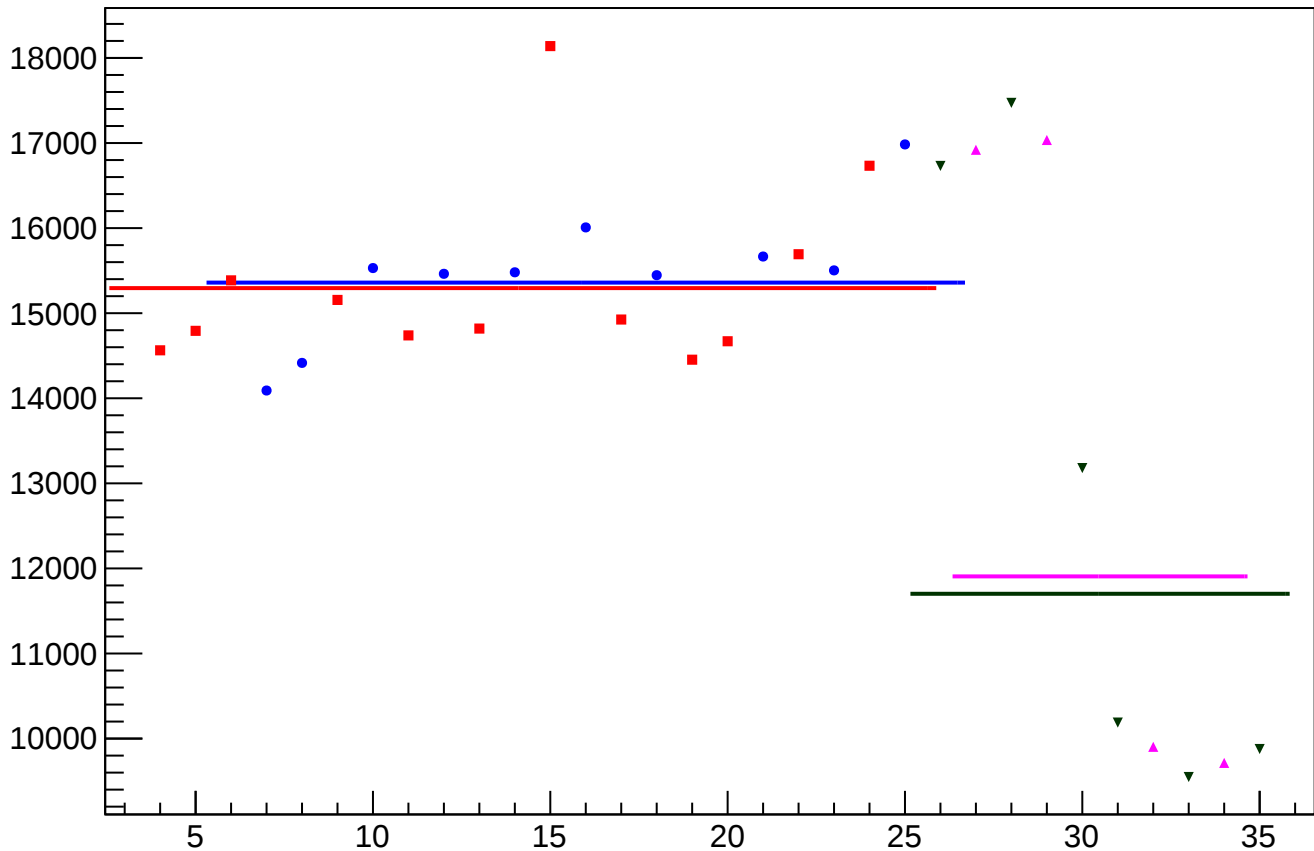
Right Out: -14.010 +/- 6.060 χ^2/NDF : 20.6/11

Left In: 11.445 +/- 7.011 χ^2/NDF : 3.5/3

13.959 +/- 4.519 χ^2/NDF : 99.1/15

-3.126 +/- 4.585 χ^2/NDF : 31.6/15

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

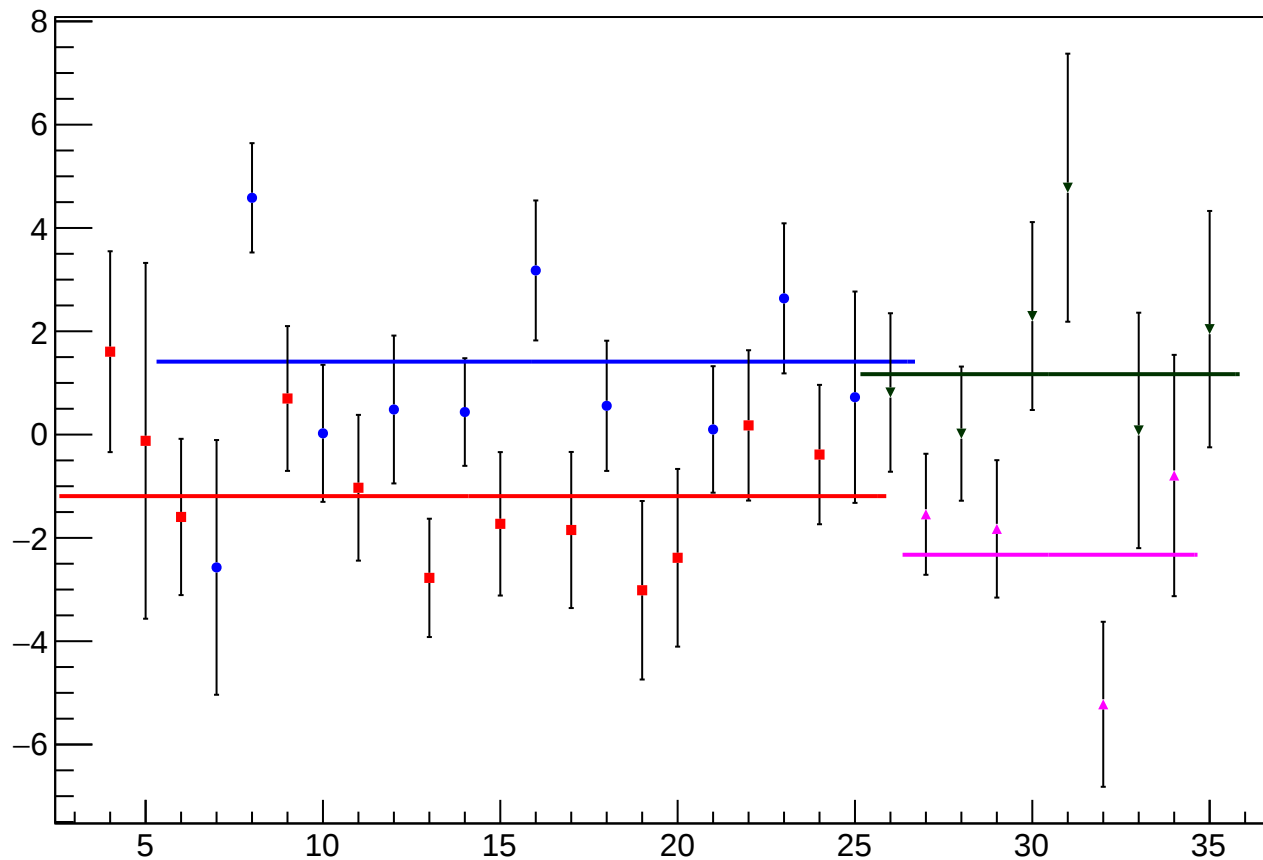
Right Out: 15294.772+/-4.285 χ^2/NDF : 49160.5/11

Left In: 11906.334+/-4.958 χ^2/NDF : 427903.9/3

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

13845.911+/-3.242 χ^2/NDF : 744451.0/15

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

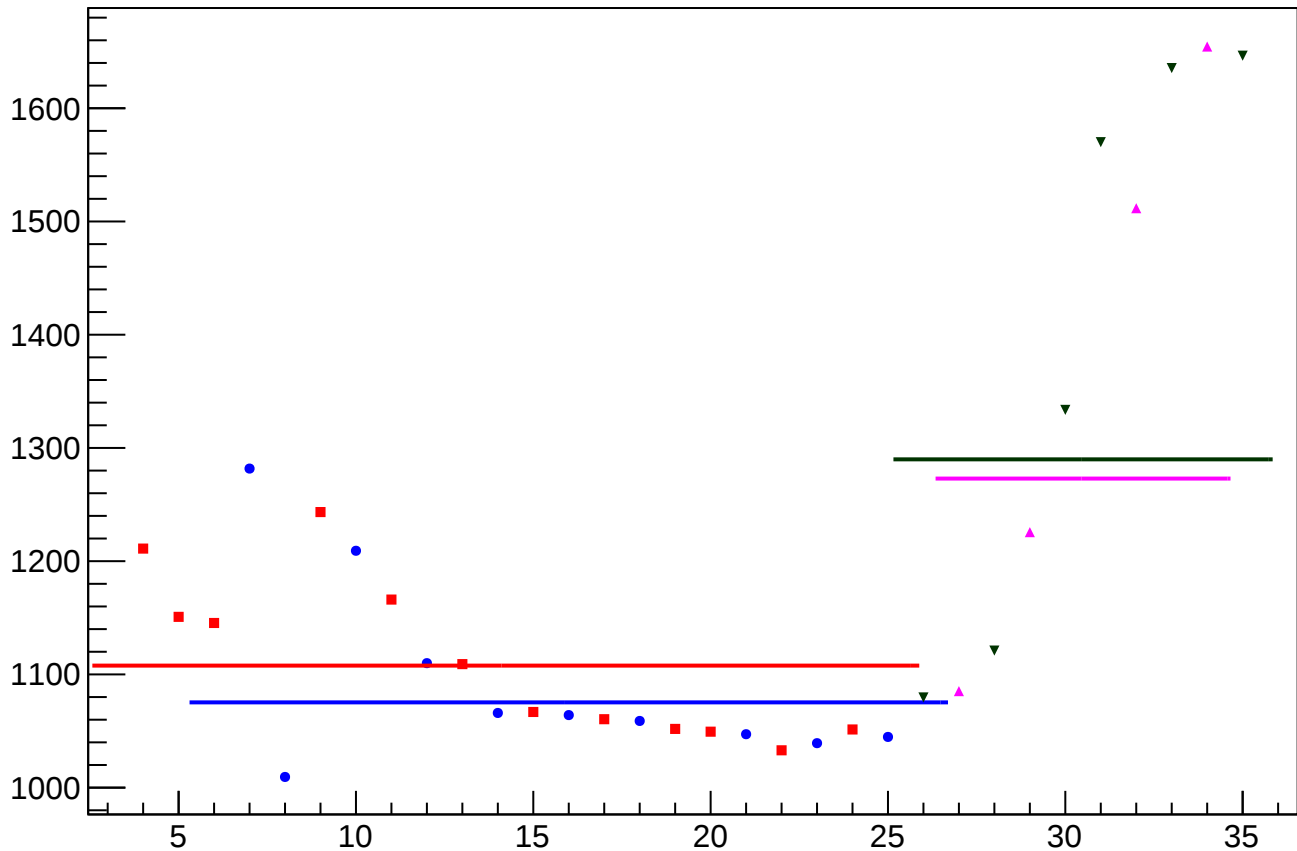
Right Out: -1.191 ± 0.438 χ^2/NDF : 9.1/11

Left In: -2.326 ± 0.731 χ^2/NDF : 4.3/3

1.352 ± 0.367 χ^2/NDF : 21.7/15

-1.491 ± 0.376 χ^2/NDF : 15.2/15

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

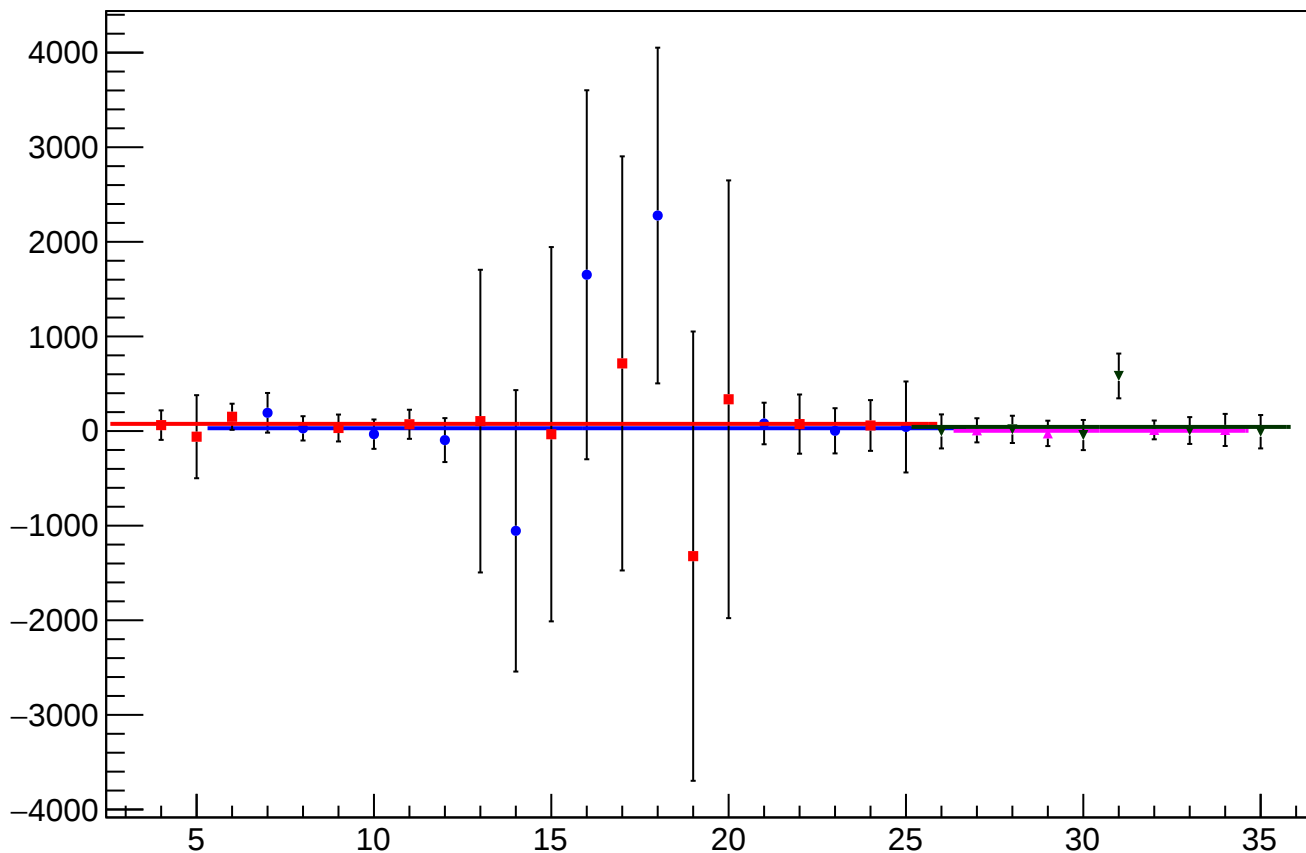
Right Out: 1107.774 $\pm$ 0.310 χ^2 /NDF: 46212.9/11

Left In: 1272.949 $\pm$ 0.517 χ^2 /NDF:151925.2/3

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

1151.379 $\pm$ 0.266 χ^2 /NDF: 273198.6/15

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

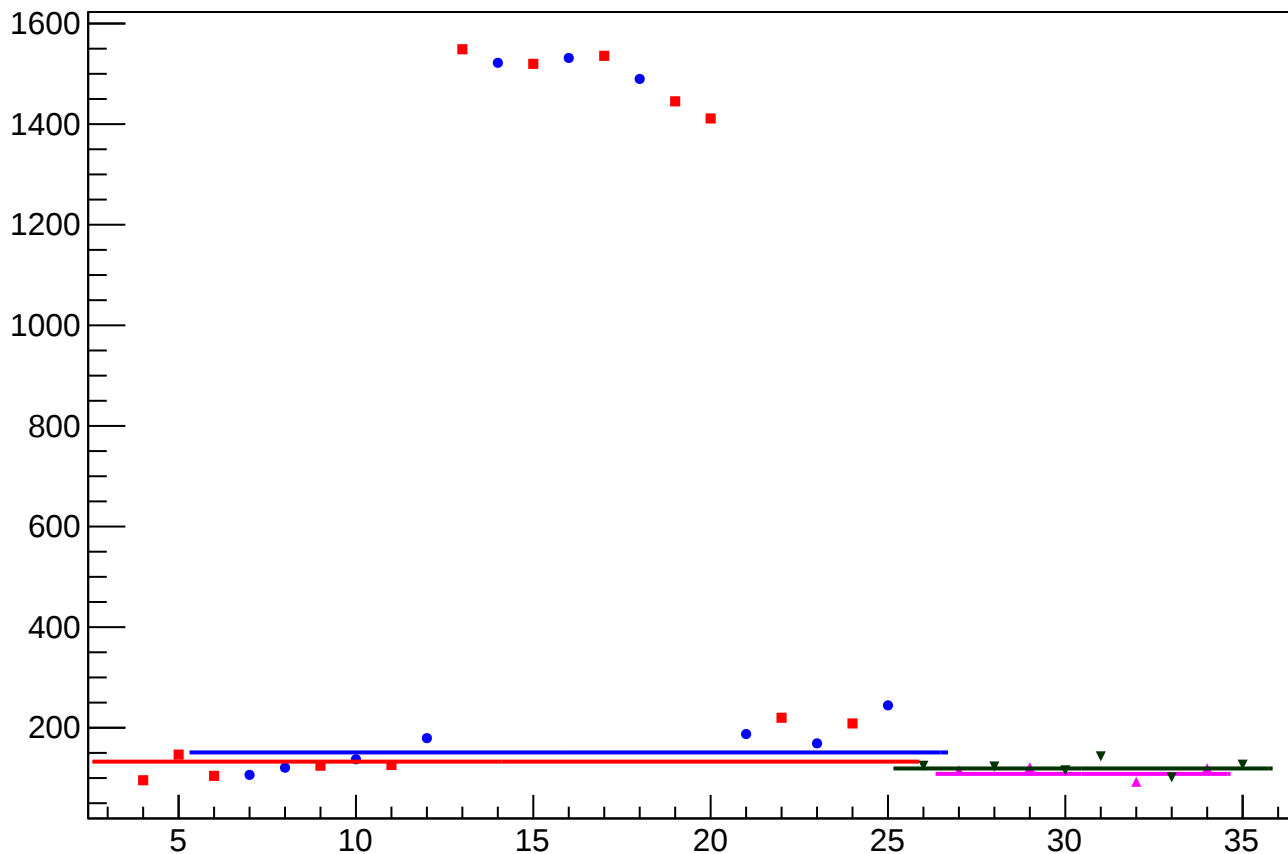
Right Out: 75.901+/-68.054 χ^2/NDF : 0.9/11

Left In: 2.869+/-62.839 χ^2/NDF :0.1/3

37.202+/-49.677 χ^2/NDF : 9.7/15

36.480+/-46.168 χ^2/NDF : 1.6/15

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

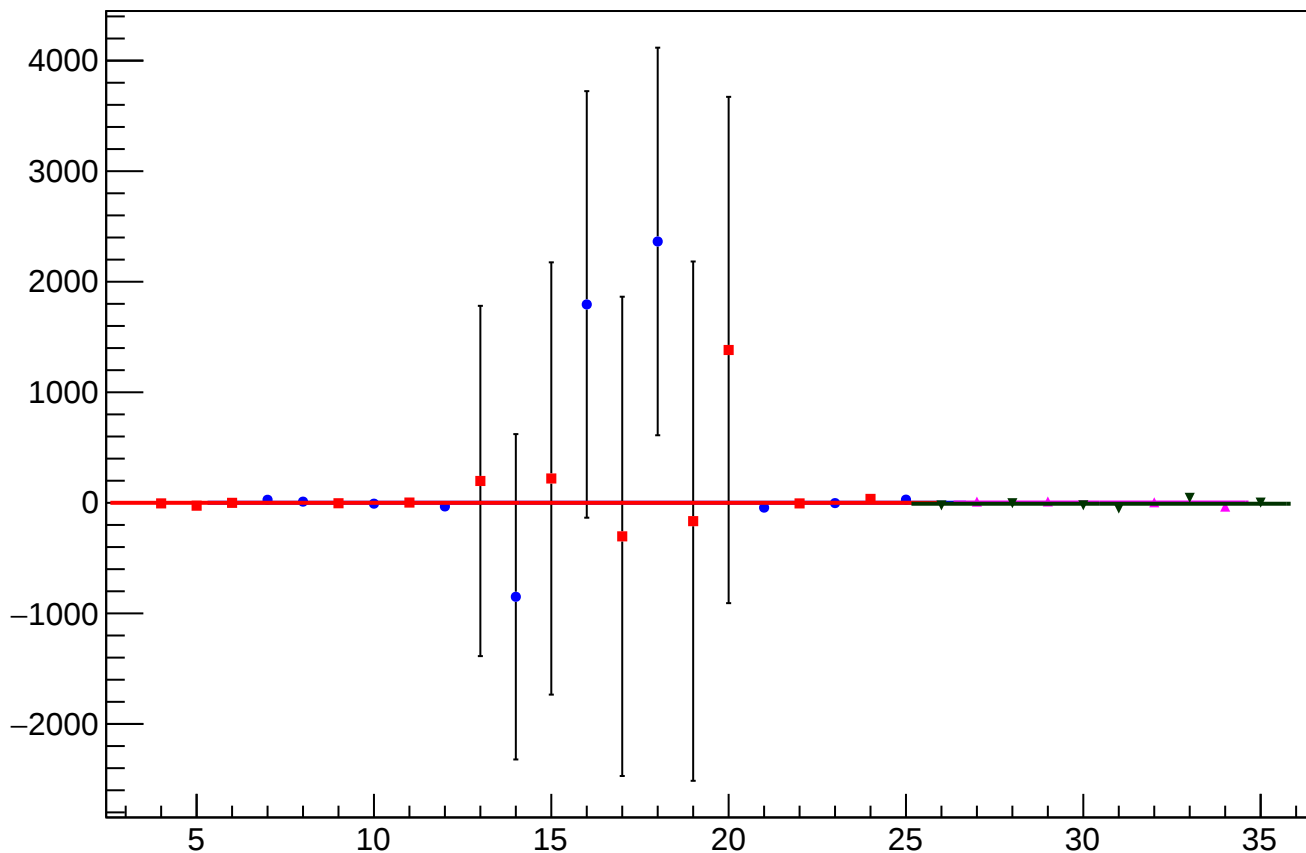
Right Out: 132.646+/-0.048 χ^2/NDF : 5120067.3/11

Left In: 108.280+/-0.044 χ^2/NDF : 84983.3/3

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

119.494+/-0.033 χ^2/NDF : 5343446.0/15

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

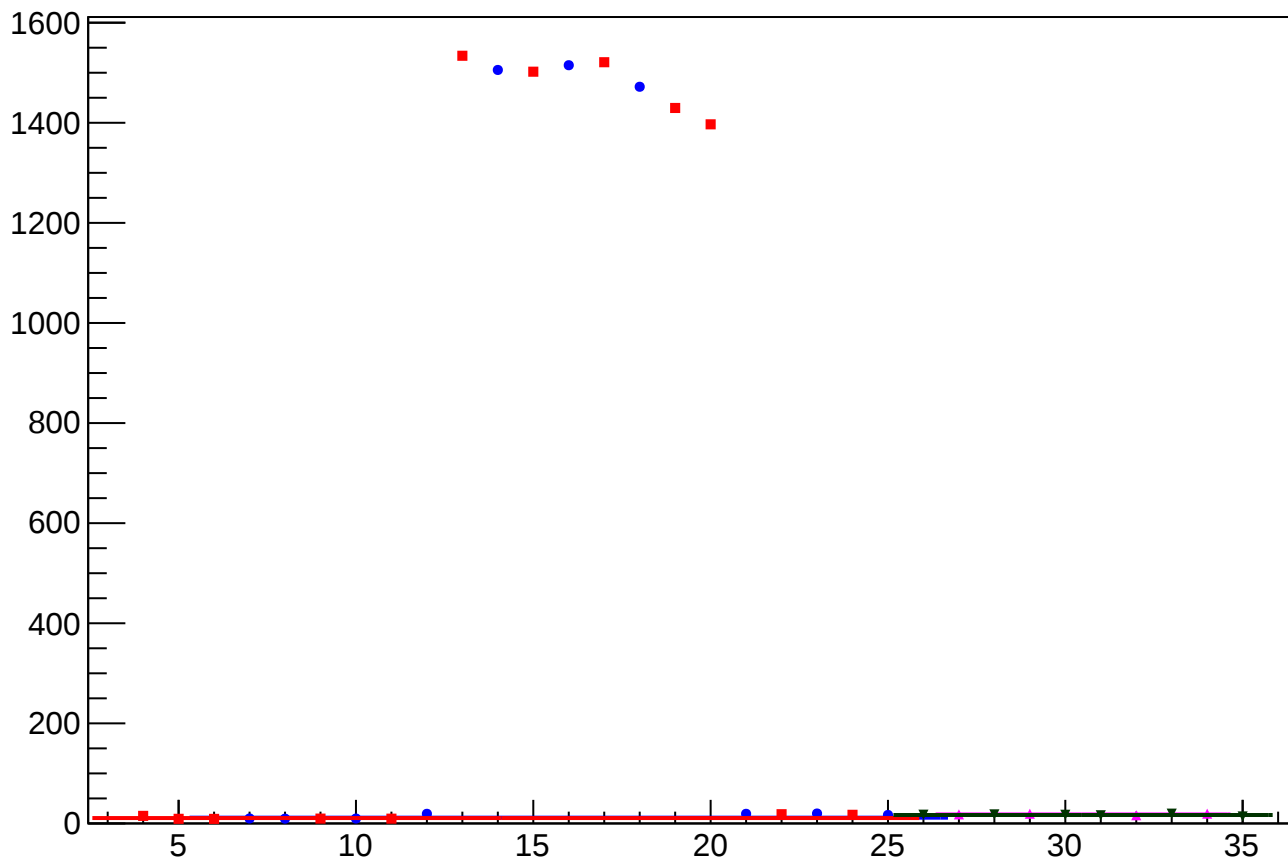
Right Out: 0.325+/-5.882 χ^2/NDF : 4.0/11

Left In: 3.181+/-10.555 χ^2/NDF : 2.1/3

-1.649+/-5.231 χ^2/NDF : 19.3/15

1.002+/-5.138 χ^2/NDF : 6.1/15

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

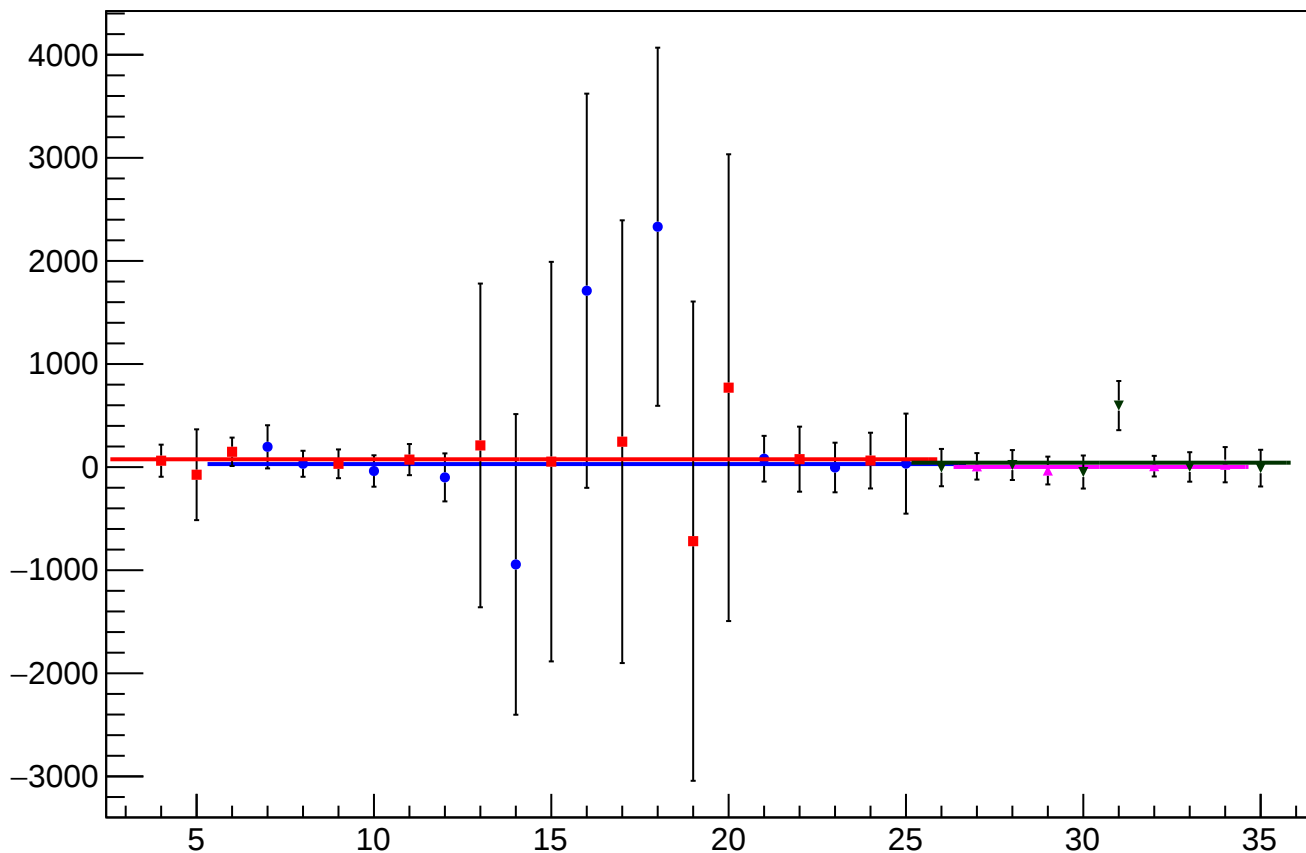
Right Out: 10.792+/-0.004 χ^2/NDF : 5922898.5/11

Left In: 18.027+/-0.007 χ^2/NDF : 29893.0/3

13.088+/-0.004 χ^2/NDF : 5862969.6/15

12.507+/-0.004 χ^2/NDF : 6669689.4/15

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

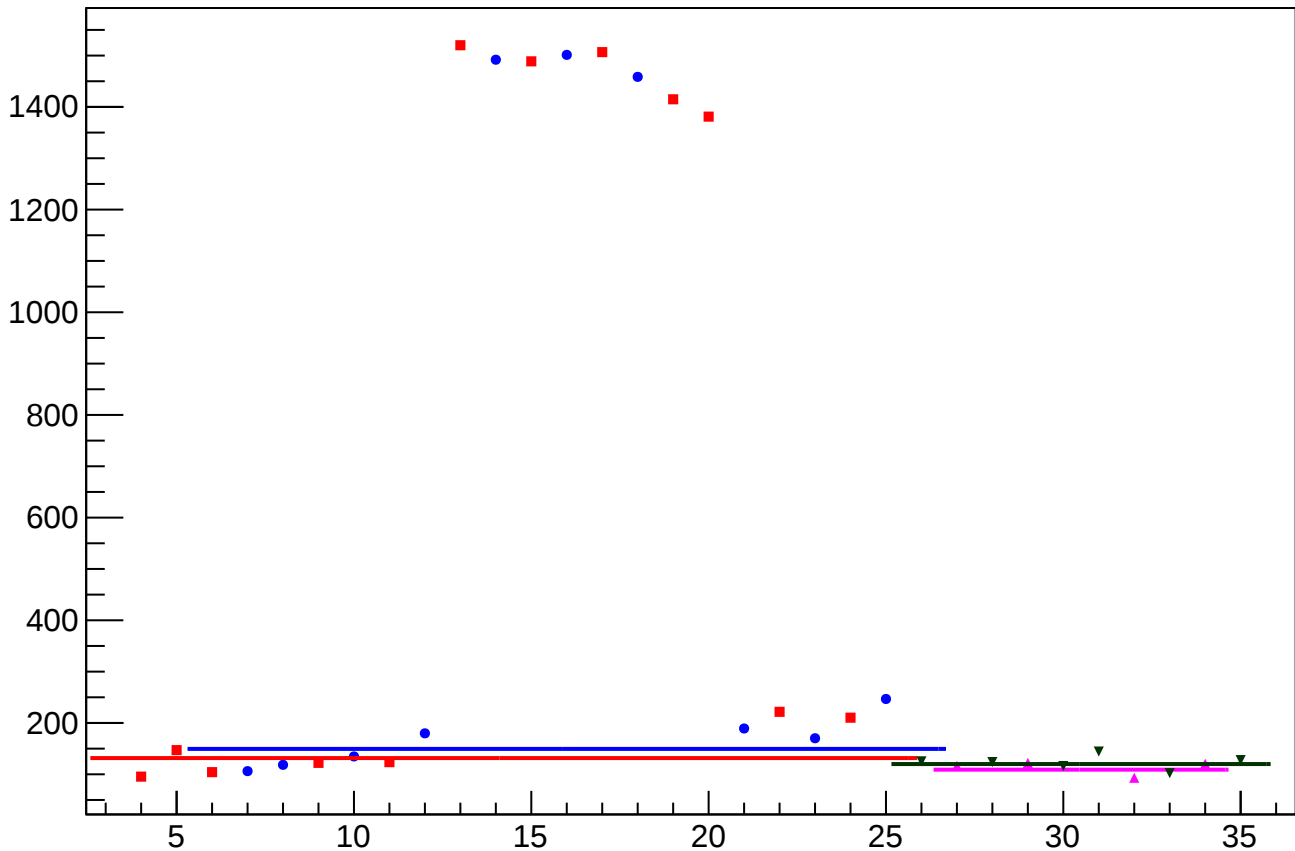
Right Out: 76.035+/-67.528 χ^2/NDF : 0.7/11

Left In: 1.555+/-63.272 χ^2/NDF : 0.1/3

36.641+/-49.684 χ^2/NDF : 10.2/15

36.374+/-46.171 χ^2/NDF : 1.5/15

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

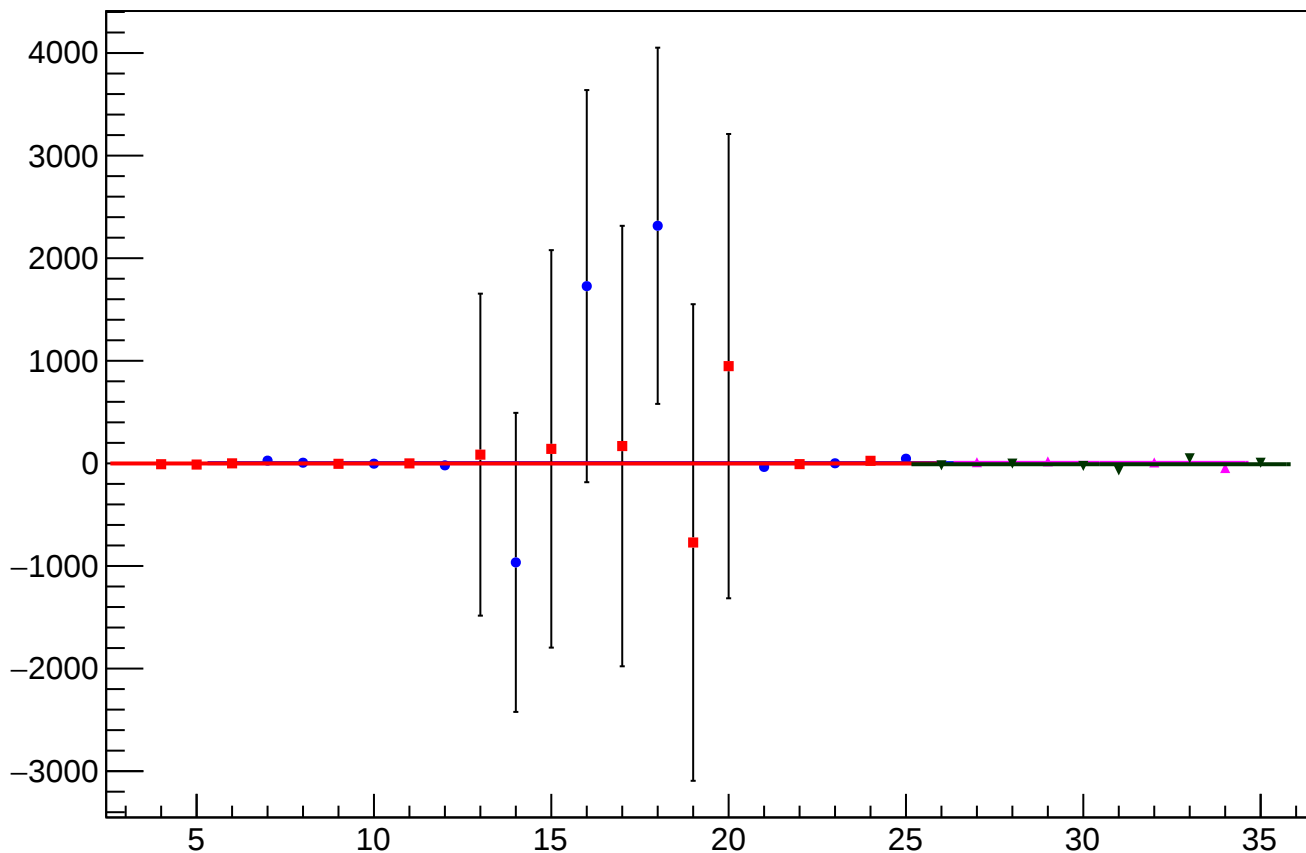
133.823 $\pm$ 0.035 χ^2 /NDF: 4485578.1/15

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

119.582 $\pm$ 0.033 χ^2 /NDF: 5324862.4/15

Left In: 109.017 $\pm$ 0.045 χ^2 /NDF: 84930.1/3

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

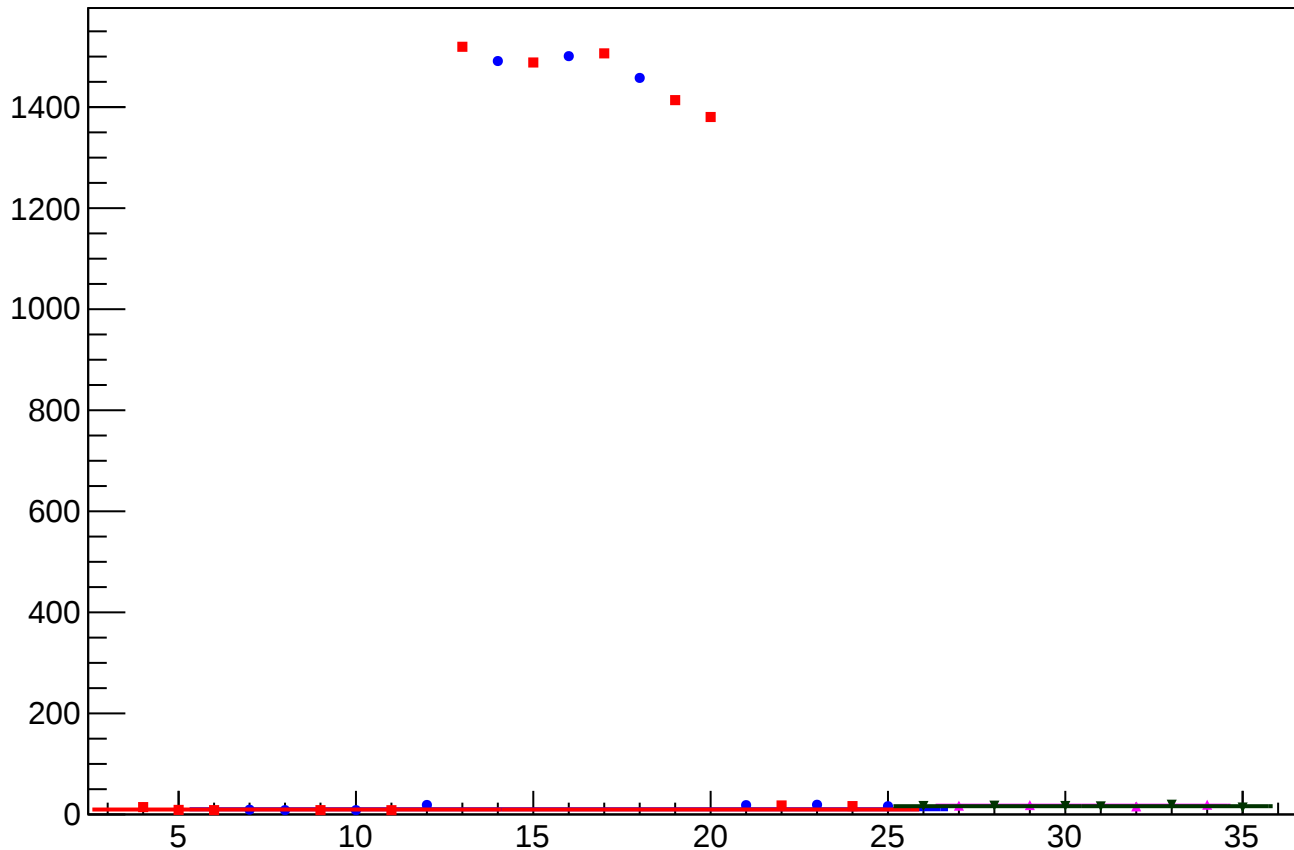
Right Out: -0.797+/-5.364 χ^2/NDF : 2.2/11

Left In: 5.260+/-10.236 χ^2/NDF : 3.8/3

-0.203+/-4.817 χ^2/NDF : 21.5/15

0.508+/-4.751 χ^2/NDF : 6.3/15

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

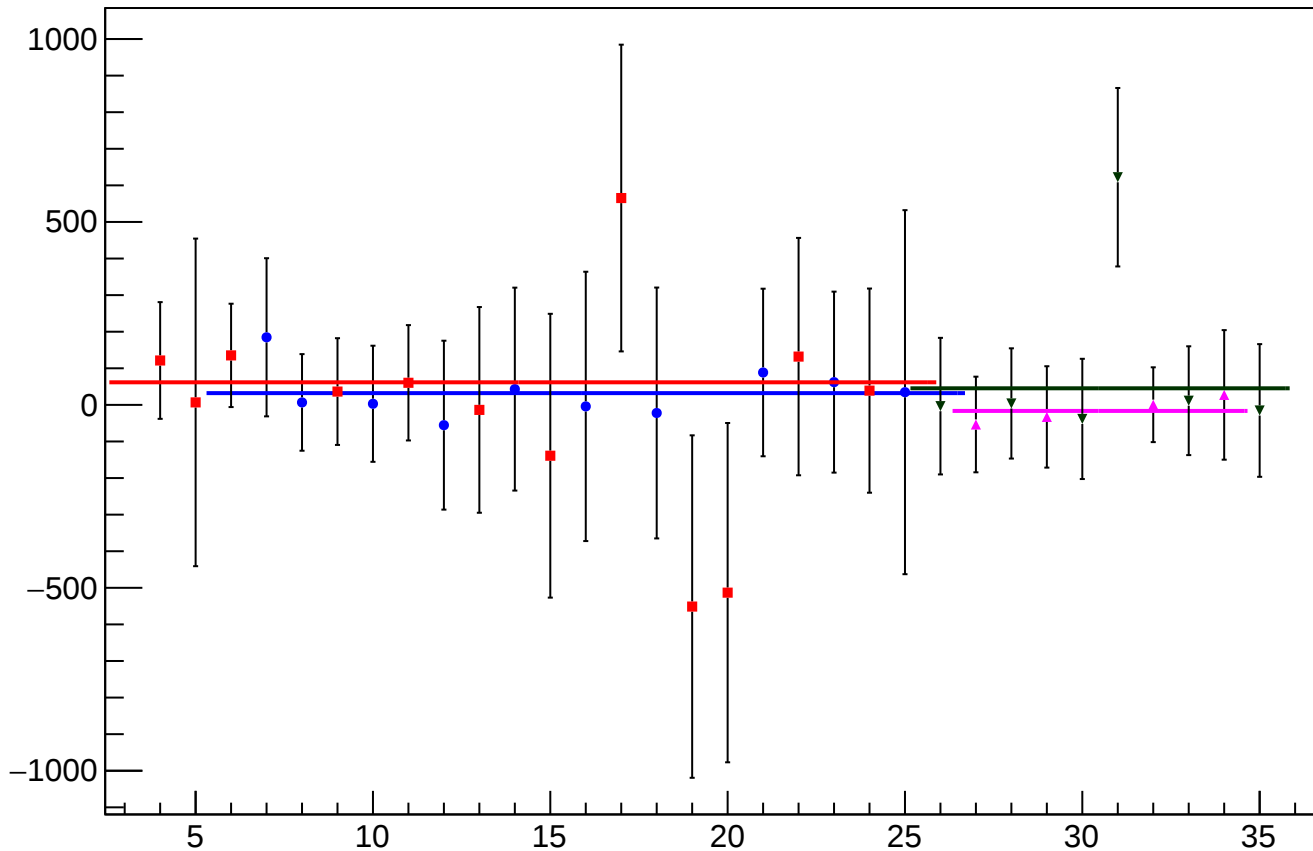
Right Out: 9.764+/-0.004 χ^2 /NDF: 6008777.0/11

Left In: 17.440+/-0.007 χ^2 /NDF:28195.6/3

11.868+/-0.003 χ^2 /NDF: 6187550.8/15

11.418+/-0.003 χ^2 /NDF: 6919414.2/15

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

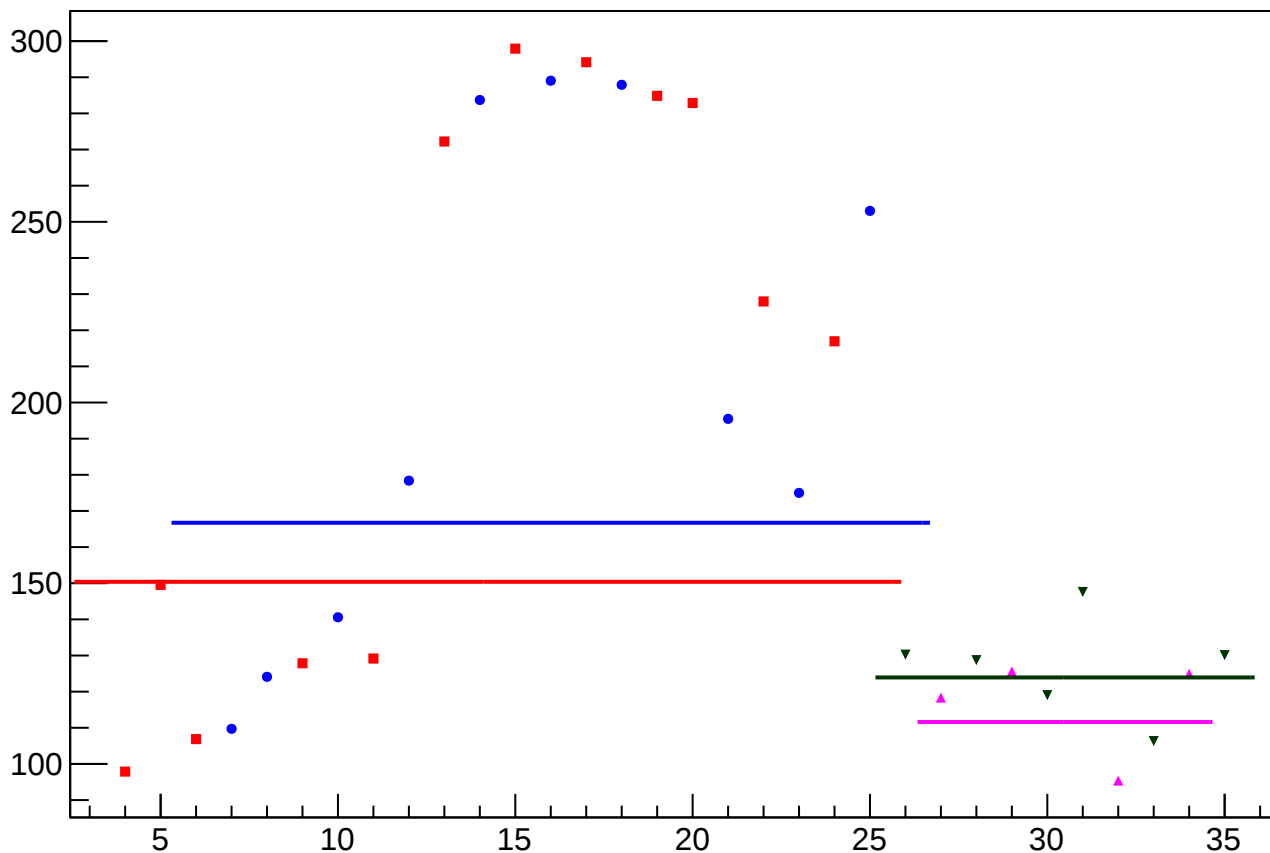
38.684+/-49.518 χ^2/NDF : 7.0/15

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

22.591+/-45.816 χ^2/NDF : 6.5/15

Left In: -16.519+/-64.794 χ^2/NDF : 0.2/3

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs slug



Right In: 166.735+/-0.049 χ^2/NDF : 1327603.0/9

Left Out: 123.930+/-0.050 χ^2/NDF : 55229.5/5

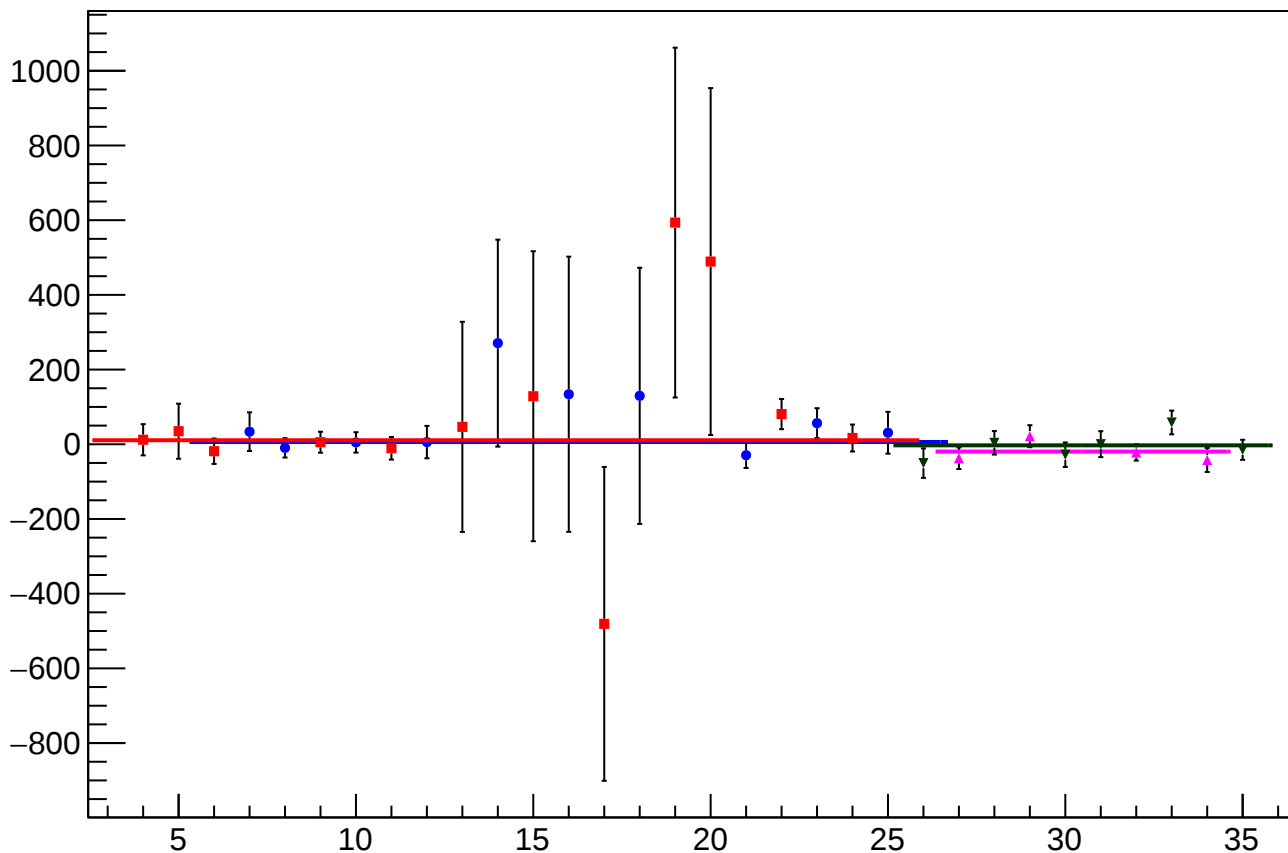
145.510+/-0.035 χ^2/NDF : 1756420.8/15

Right Out: 150.393+/-0.046 χ^2/NDF : 1947233.7/11

130.998+/-0.032 χ^2/NDF : 2392905.1/15

Left In: 111.603+/-0.046 χ^2/NDF : 87268.8/3

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

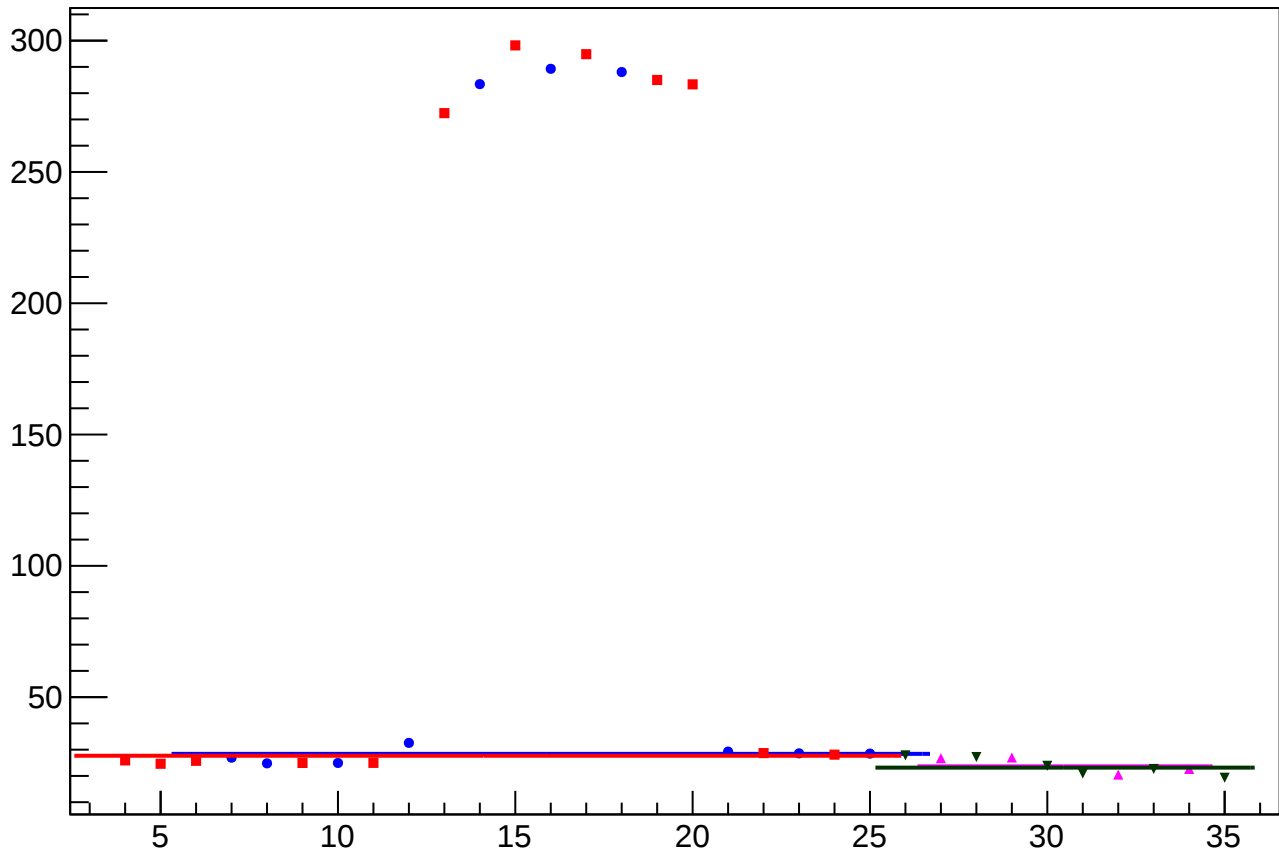
Right Out: 10.797 $\pm$ 13.610 χ^2 /NDF: 8.5/11

Left In: -19.575 $\pm$ 13.596 χ^2 /NDF: 2.8/3

1.559 $\pm$ 9.391 χ^2 /NDF: 10.9/15

-4.405 $\pm$ 9.619 χ^2 /NDF: 13.8/15

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

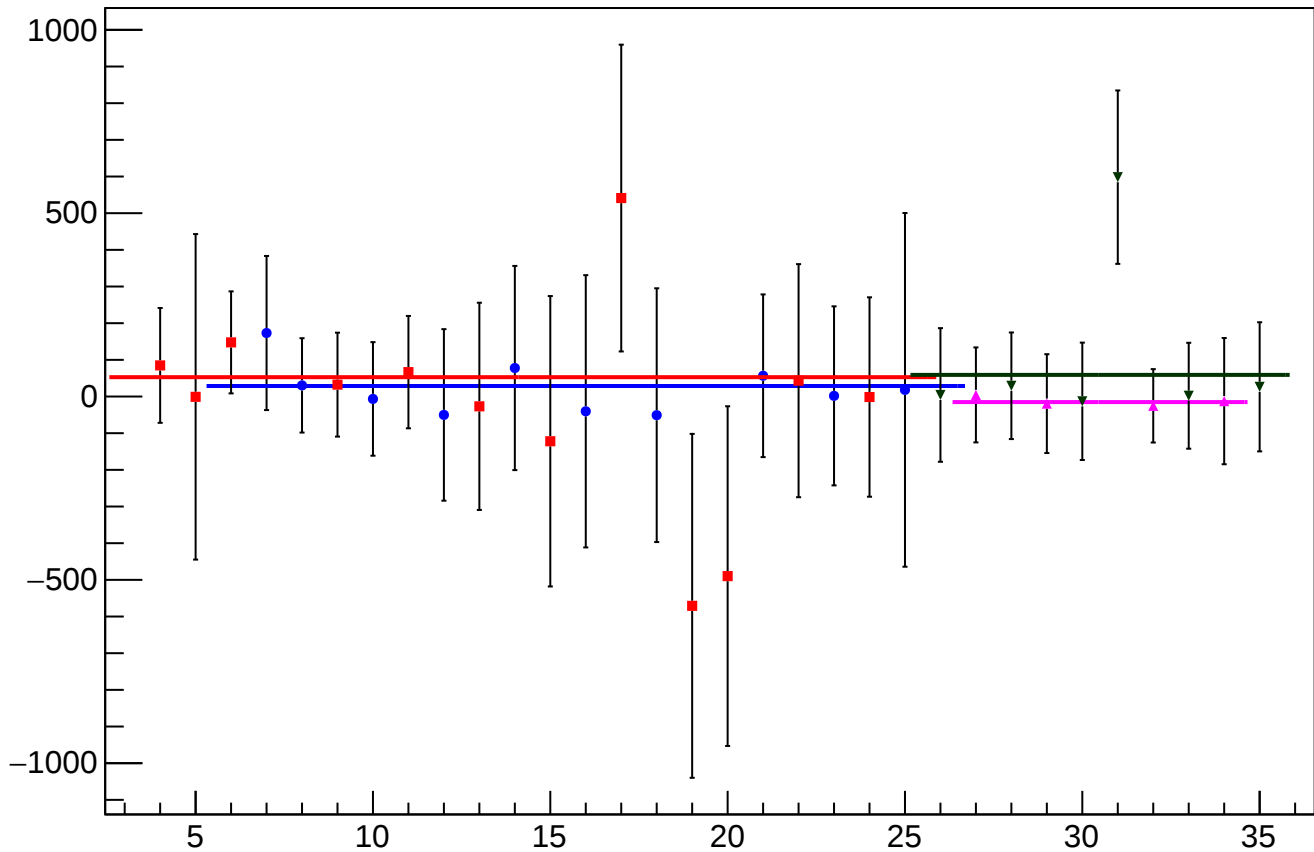
Right Out: 27.683 $\pm$ 0.010 χ^2 /NDF: 4553149.3/11

Left In: 23.666 $\pm$ 0.010 χ^2 /NDF: 92548.4/3

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

25.672 $\pm$ 0.007 χ^2 /NDF: 4732902.0/15

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

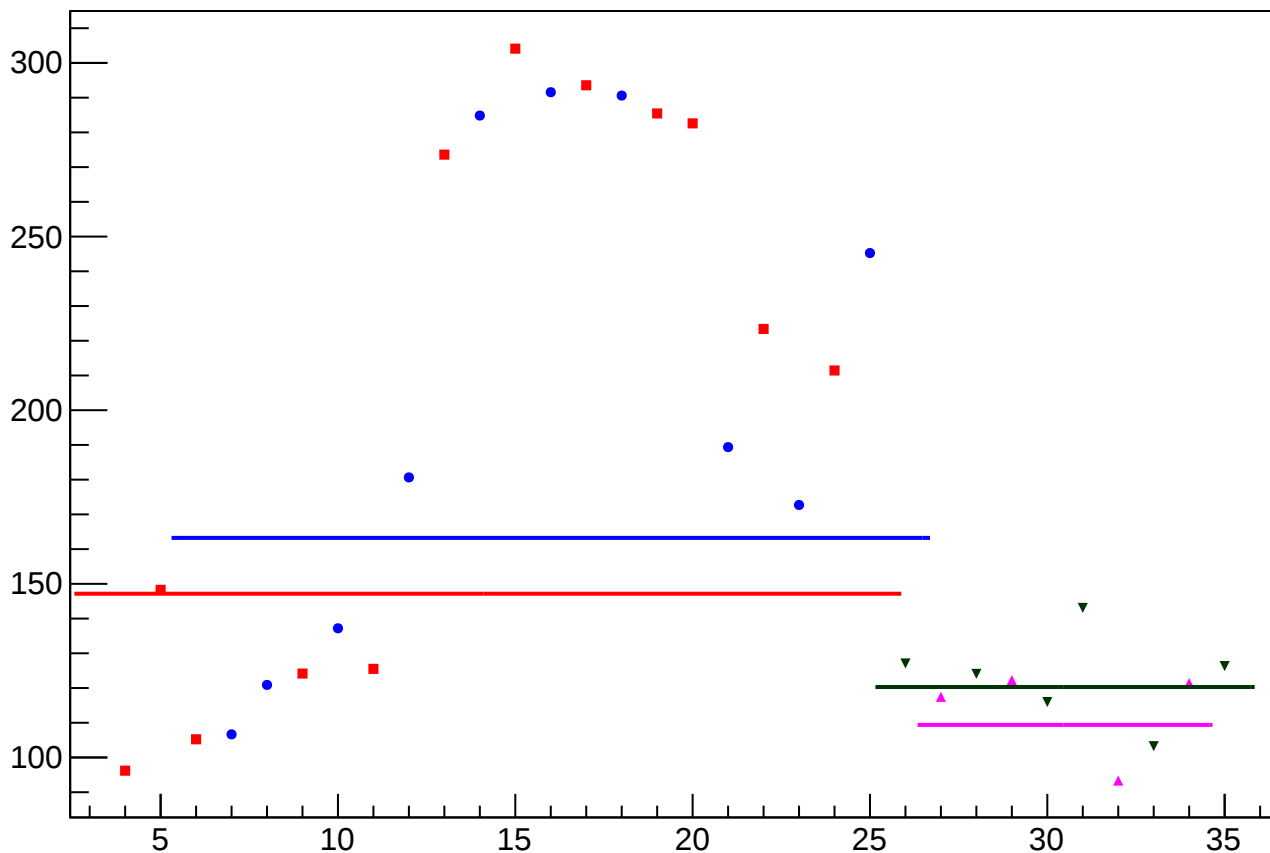
Right Out: 52.783+/-63.607 χ^2/NDF : 5.4/11

Left In: -15.144+/-63.472 χ^2/NDF : 0.0/3

43.914+/-48.367 χ^2/NDF : 6.6/15

18.747+/-44.929 χ^2/NDF : 6.0/15

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

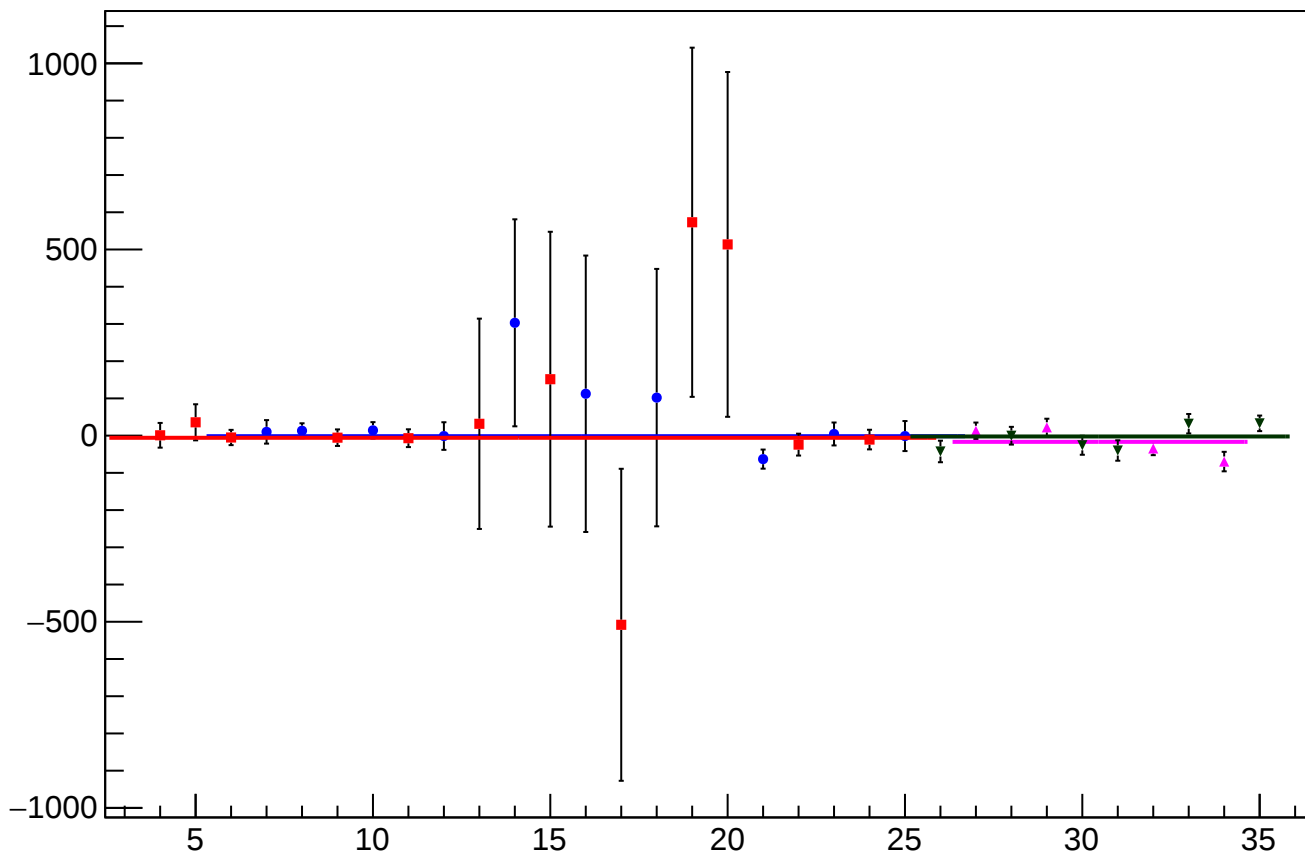
141.684+/-0.034 χ^2/NDF : 1857692.1/15

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

128.229+/-0.032 χ^2/NDF : 2457981.9/15

Left In: 109.378+/-0.045 χ^2/NDF : 87182.8/3

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

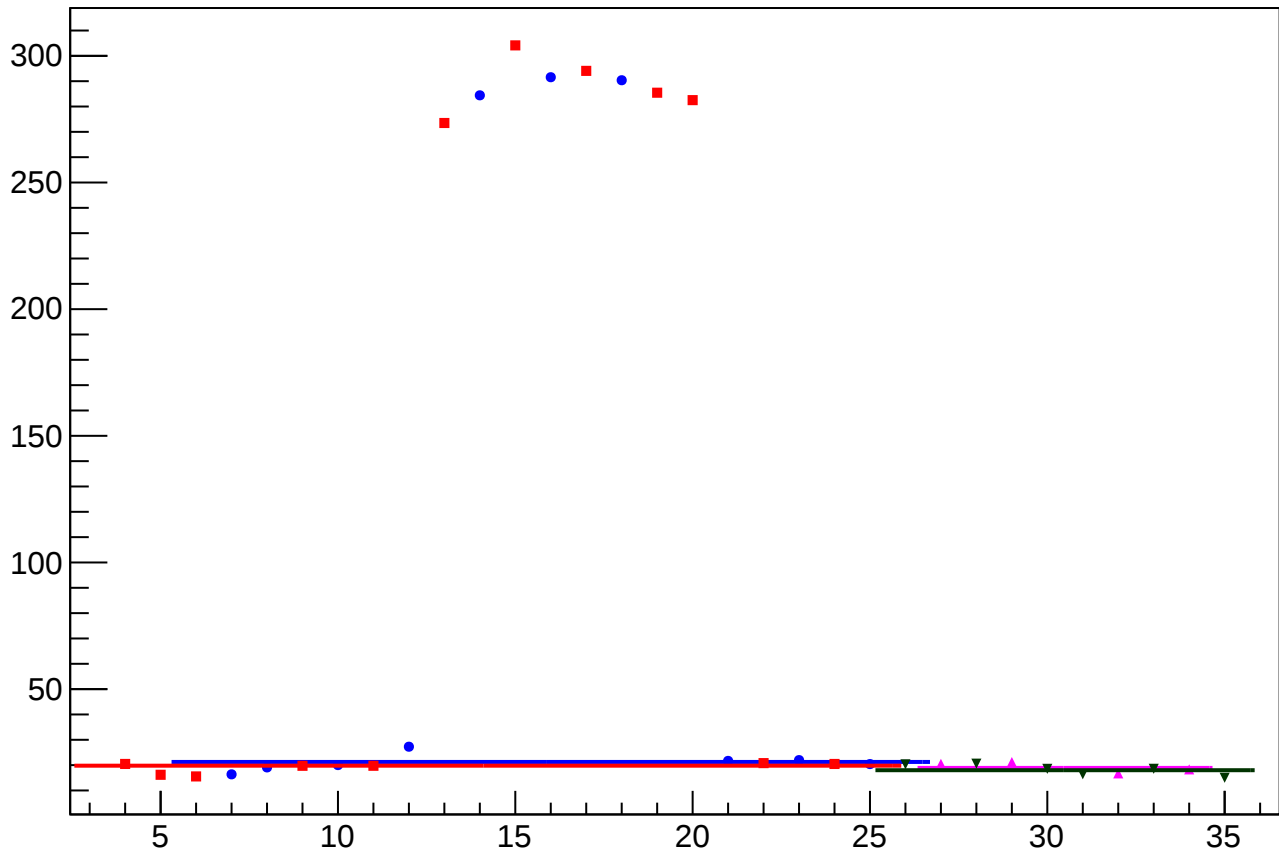
Right Out: -5.806+/-9.942 χ^2/NDF : 5.6/11

Left In: -16.713+/-10.870 χ^2/NDF : 9.7/3

-1.890+/-7.238 χ^2/NDF : 17.6/15

-10.774+/-7.336 χ^2/NDF : 15.8/15

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

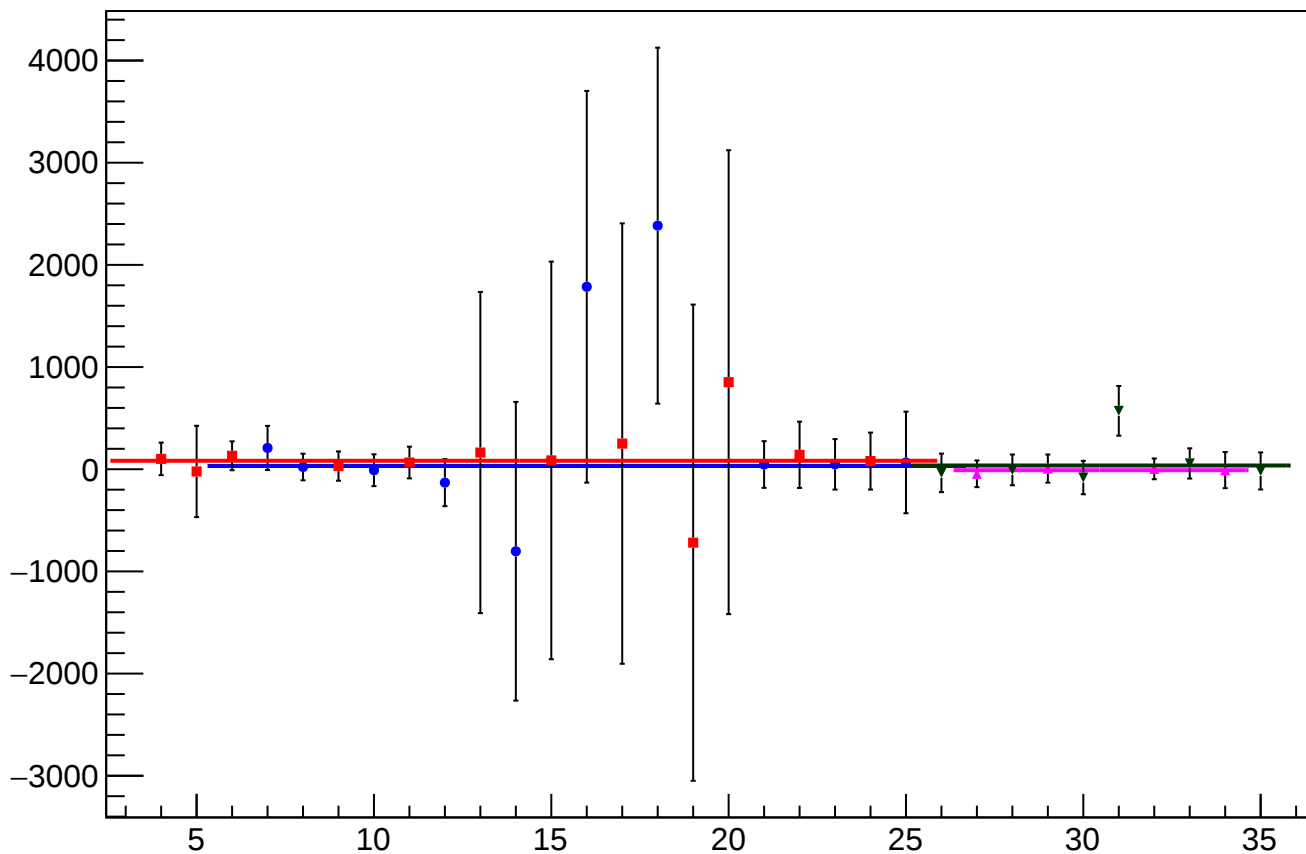
Right Out: 19.779+/-0.007 χ^2/NDF : 4888350.3/11

Left In: 18.902+/-0.008 χ^2/NDF : 60440.7/3

19.621+/-0.005 χ^2/NDF : 4383892.9/15

19.380+/-0.005 χ^2/NDF : 4955875.7/15

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

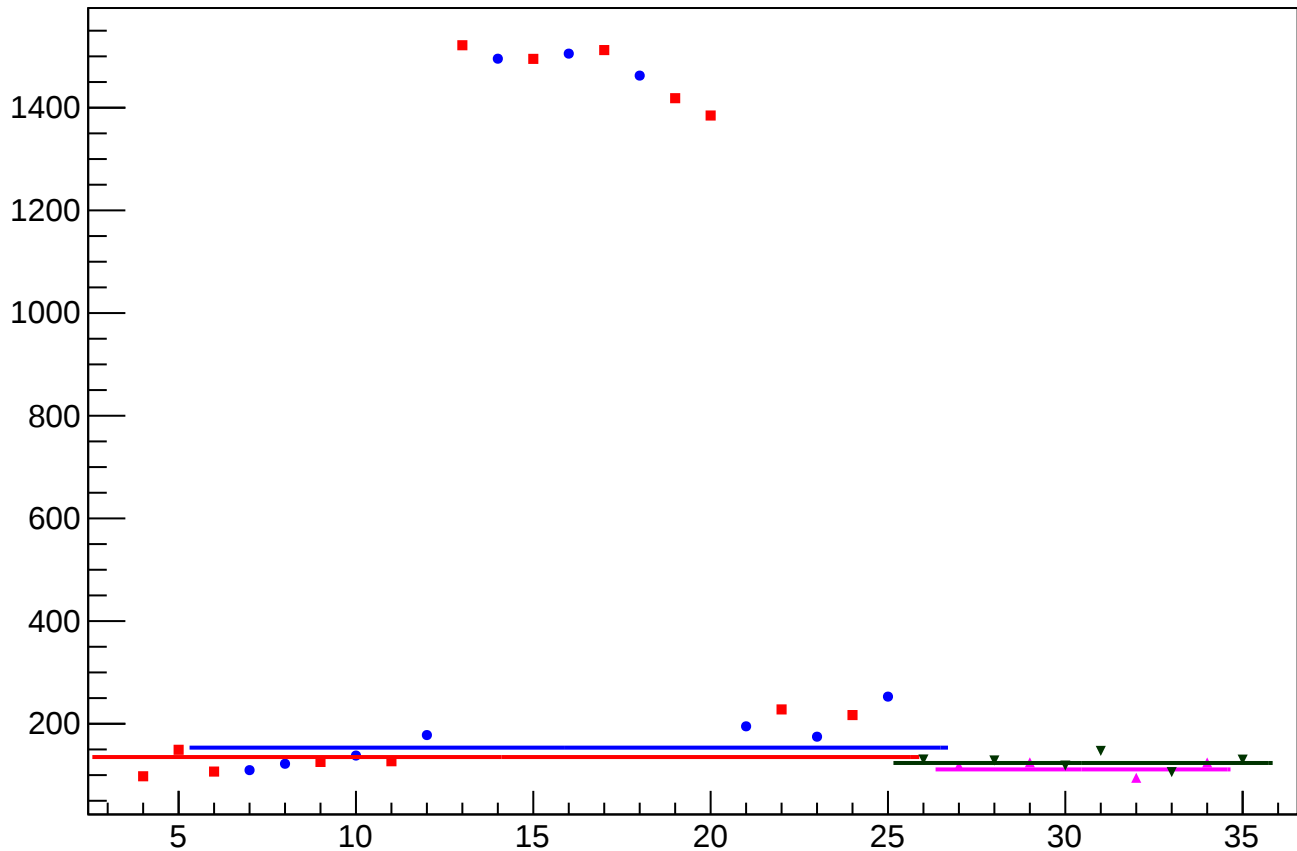
Right Out: 82.898+/-69.271 χ^2/NDF : 0.6/11

Left In: -9.288+/-64.511 χ^2/NDF : 0.1/3

34.226+/-51.032 χ^2/NDF : 9.9/15

33.530+/-47.209 χ^2/NDF : 1.7/15

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs slug



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

Left Out: 123.626+/-0.050 χ^2/NDF : 56947.8/5

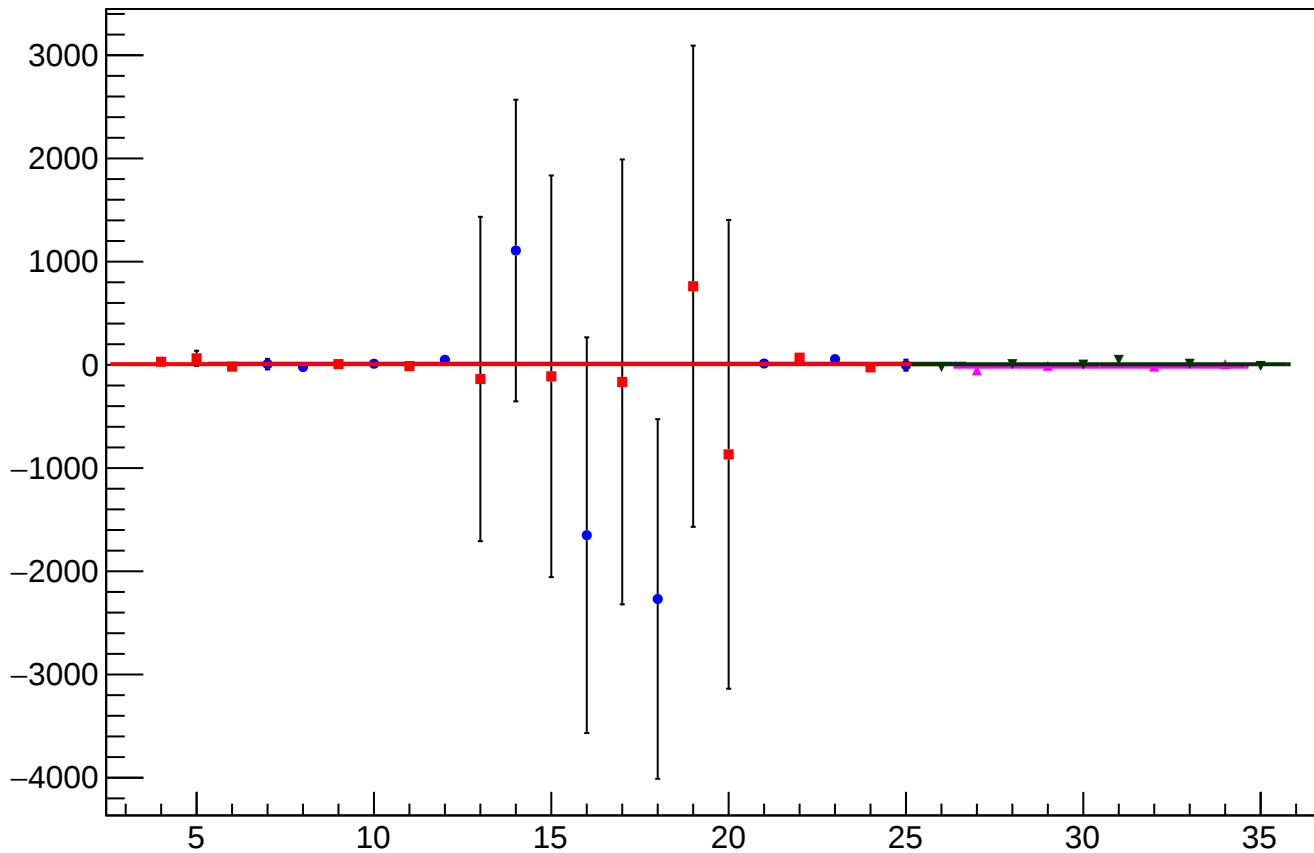
137.744+/-0.036 χ^2/NDF : 4440366.5/15

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

122.281+/-0.033 χ^2/NDF : 5323263.4/15

Left In: 111.081+/-0.046 χ^2/NDF : 88610.8/3

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs slug



Right In: 10.773 $\pm$ 13.060 χ^2/NDF : 6.8/9

Left Out: 5.989 $\pm$ 12.434 χ^2/NDF : 2.6/5

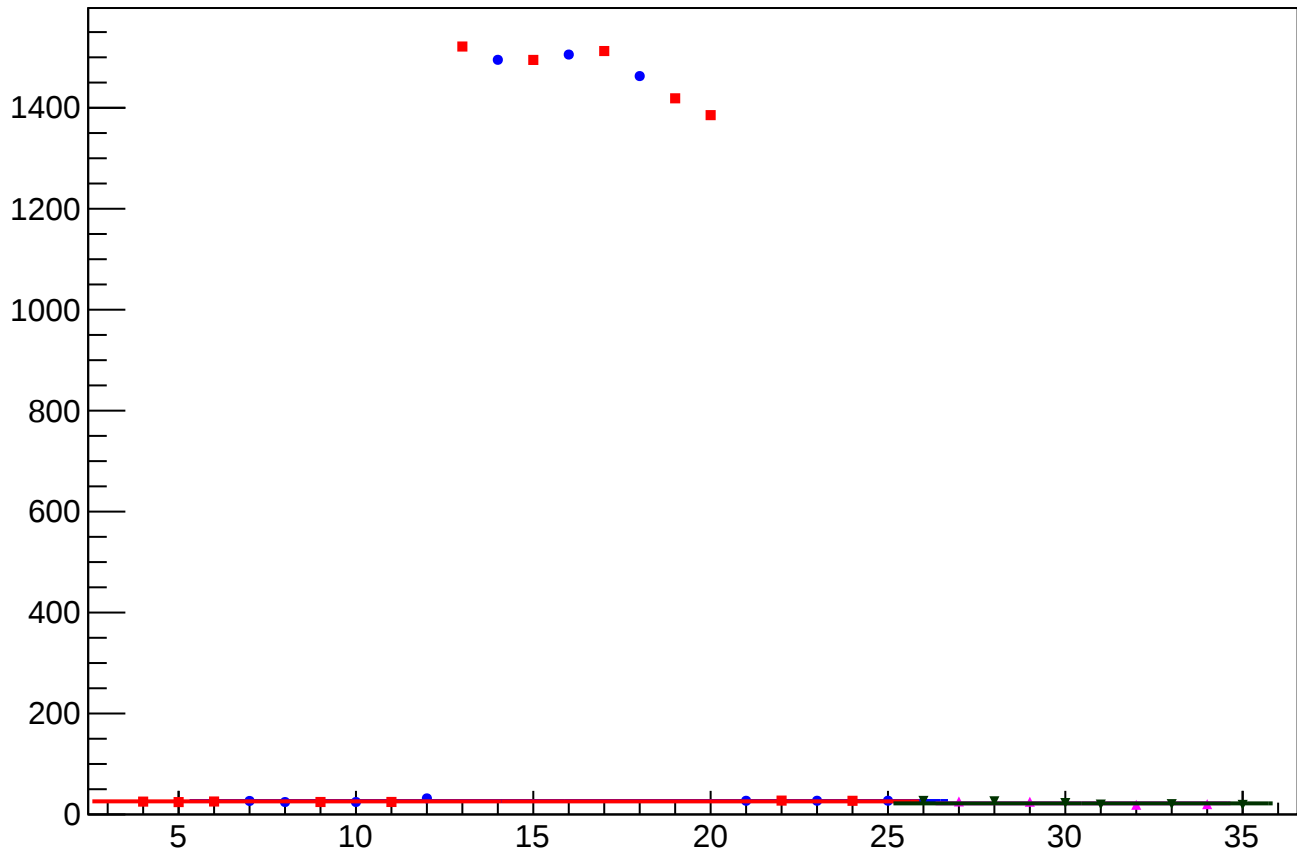
Right Out: 6.946 $\pm$ 13.410 χ^2/NDF : 5.5/11

Left In: -17.609 $\pm$ 12.656 χ^2/NDF : 2.4/3

8.264 $\pm$ 9.005 χ^2/NDF : 9.5/15

-6.041 $\pm$ 9.204 χ^2/NDF : 9.7/15

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

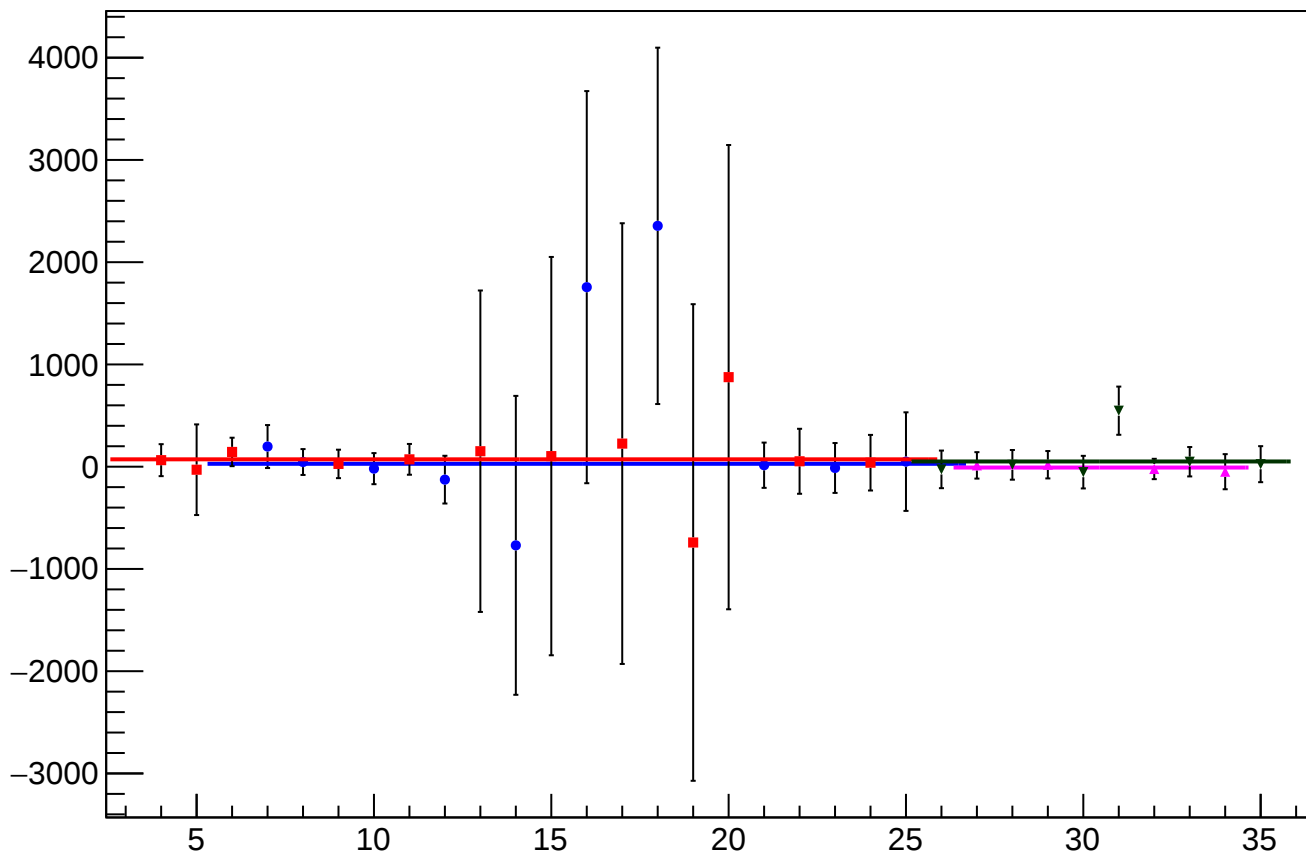
Right Out: 25.943+/-0.009 χ^2 /NDF: 5346963.3/11

Left In: 22.084+/-0.009 χ^2 /NDF:108287.4/3

24.150+/-0.006 χ^2 /NDF: 4869931.7/15

23.902+/-0.007 χ^2 /NDF: 5542852.1/15

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

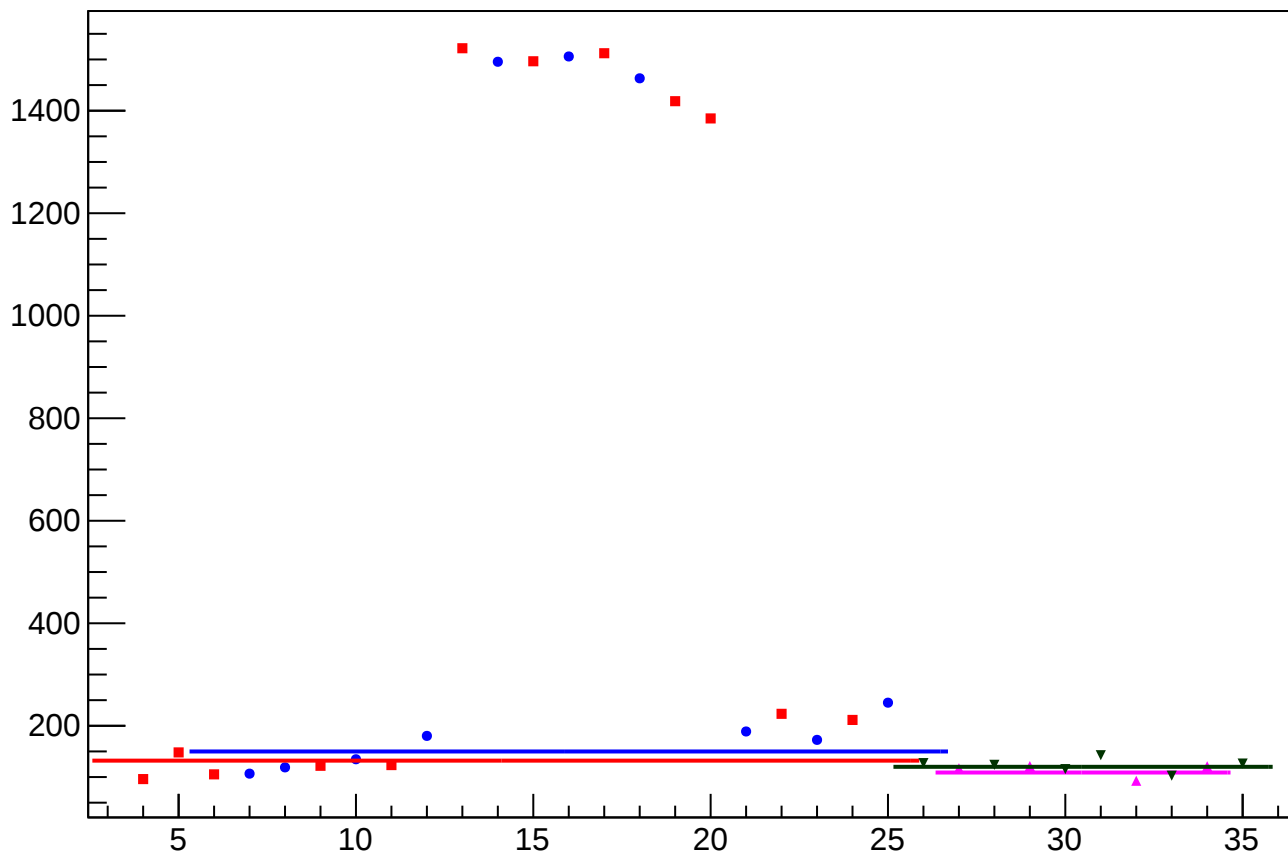
Right Out: 72.031 ± 67.714 χ^2/NDF : 0.7/11

Left In: -8.306 ± 63.178 χ^2/NDF : 0.1/3

40.416 ± 49.726 χ^2/NDF : 9.3/15

29.082 ± 46.194 χ^2/NDF : 1.6/15

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

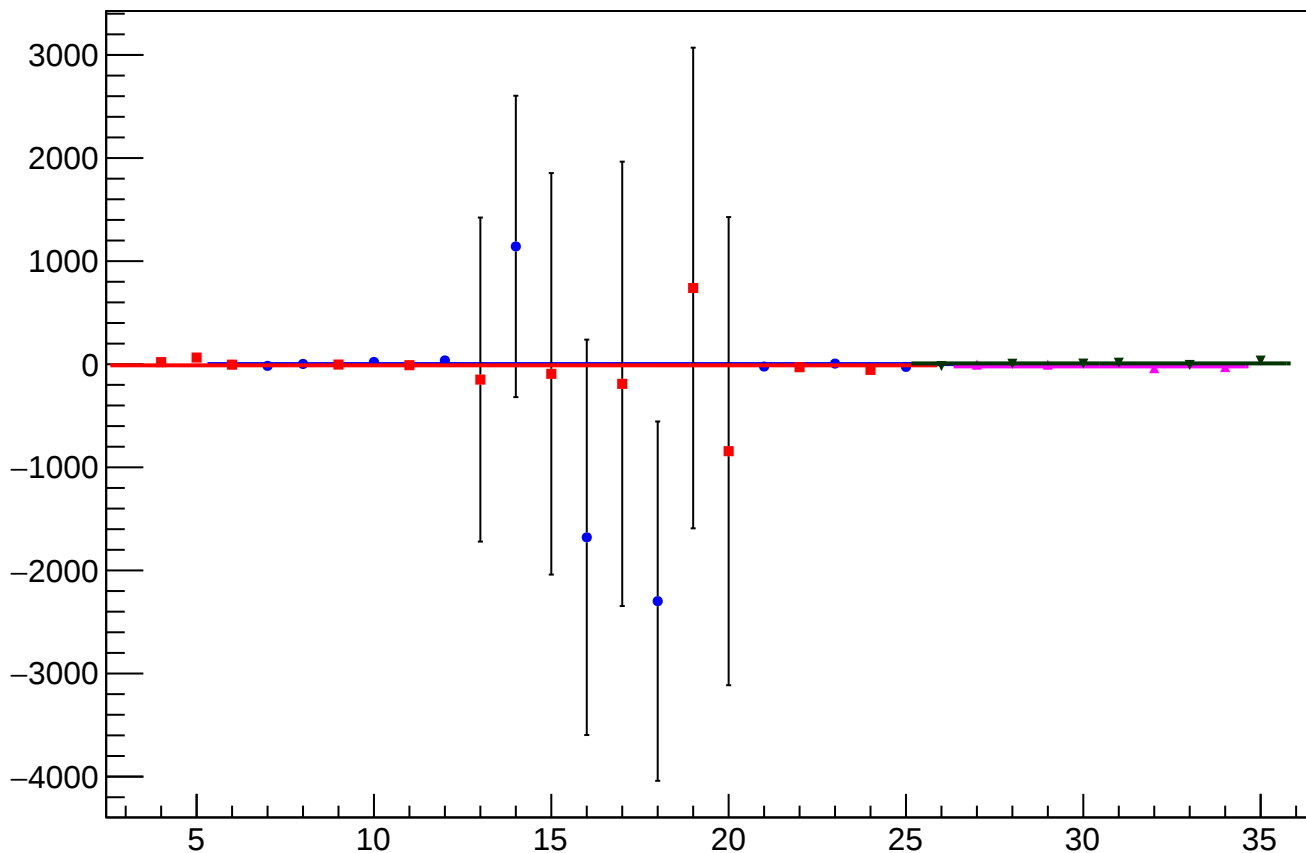
Right Out: 132.035 $\pm$ 0.048 χ^2 /NDF: 5119688.9/11

Left In: 108.837 $\pm$ 0.045 χ^2 /NDF: 88782.8/3

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

119.633 $\pm$ 0.033 χ^2 /NDF: 5333966.4/15

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

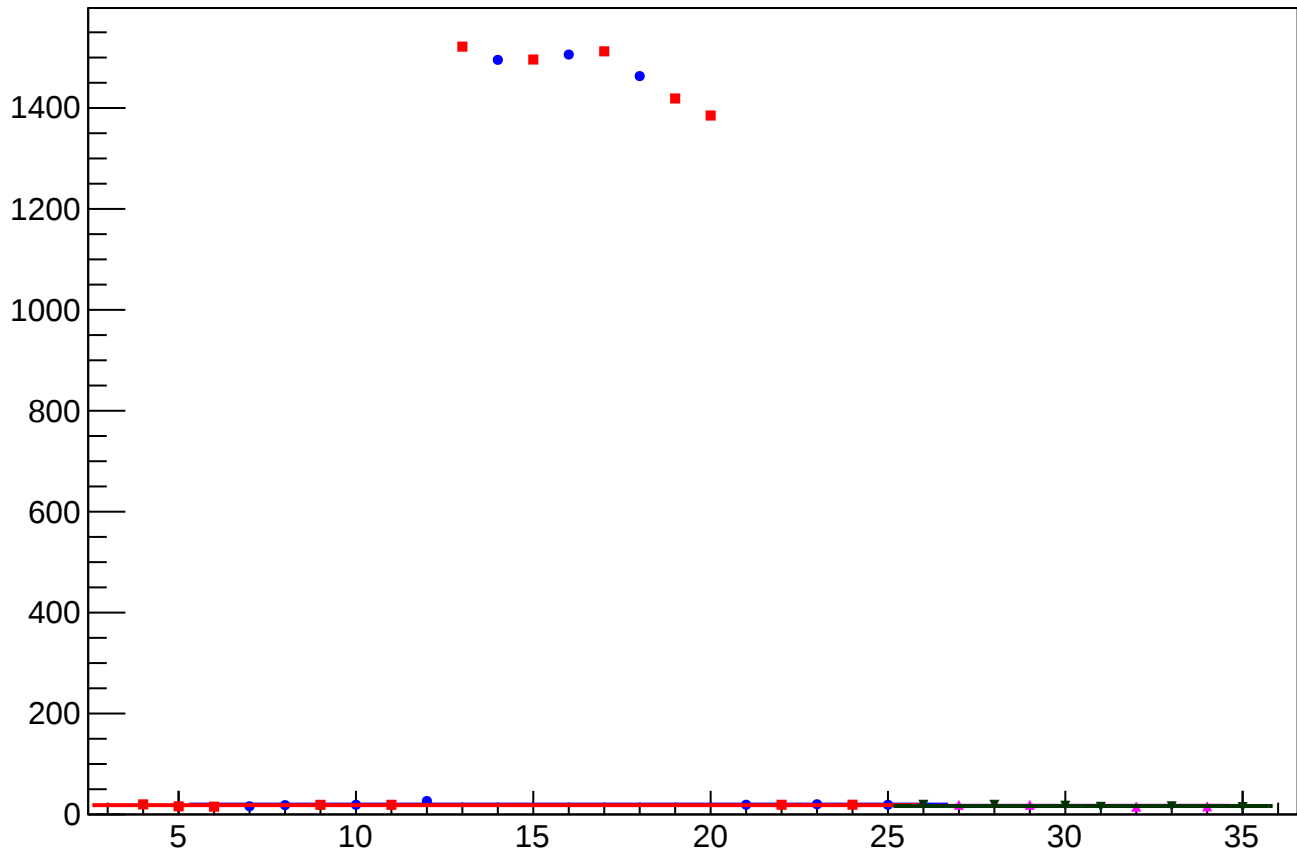
4.871+/-6.766 χ^2/NDF : 10.5/15

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

-15.557+/-6.869 χ^2/NDF : 10.6/15

Left In: -20.806+/-9.828 χ^2/NDF : 2.6/3

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

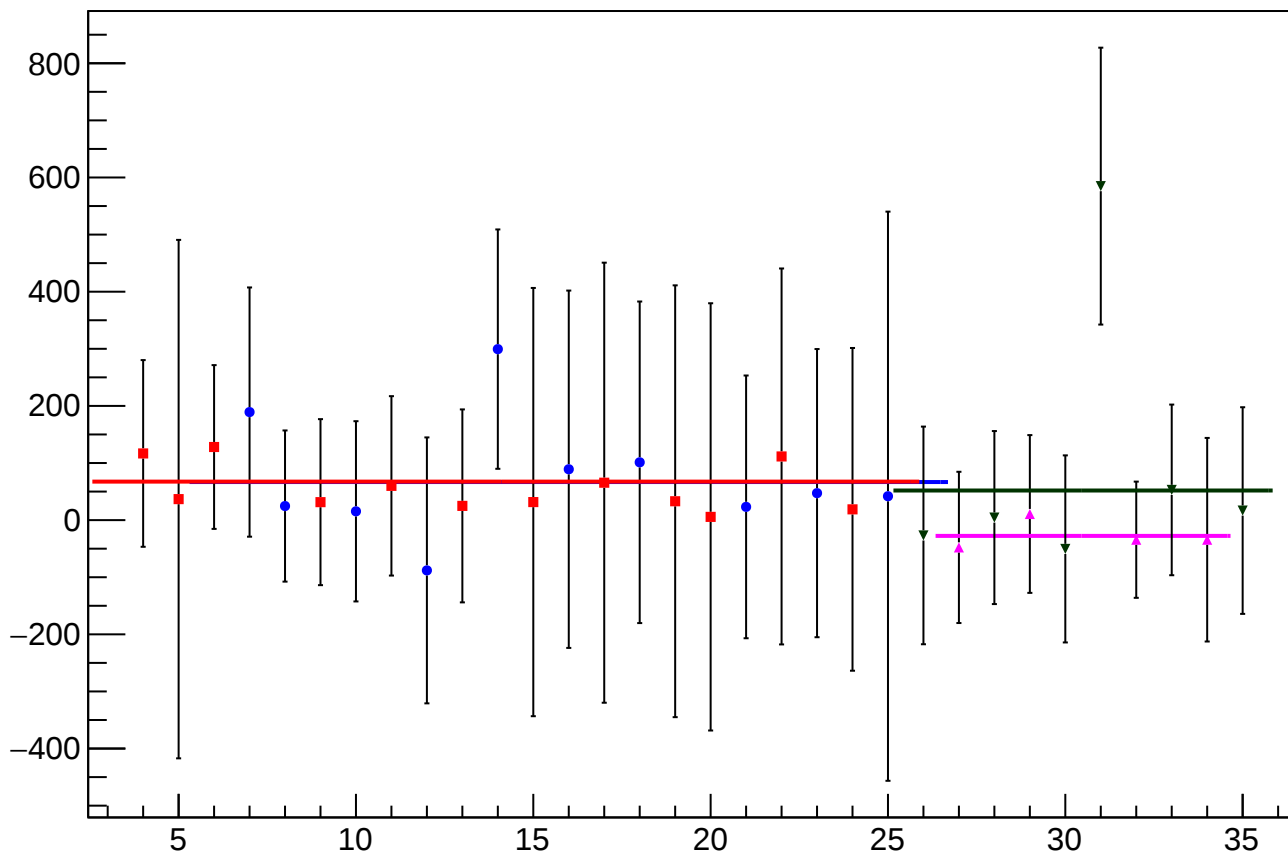
Right Out: 18.441+/-0.007 χ^2 /NDF: 5449094.8/11

Left In: 17.201+/-0.007 χ^2 /NDF: 67822.1/3

18.100+/-0.005 χ^2 /NDF: 4877999.0/15

17.835+/-0.005 χ^2 /NDF: 5533205.9/15

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs slug



Right In: 66.691 $\pm$ 67.281 χ^2/NDF : 2.3/9

Left Out: 51.869 $\pm$ 70.581 χ^2/NDF : 5.5/5

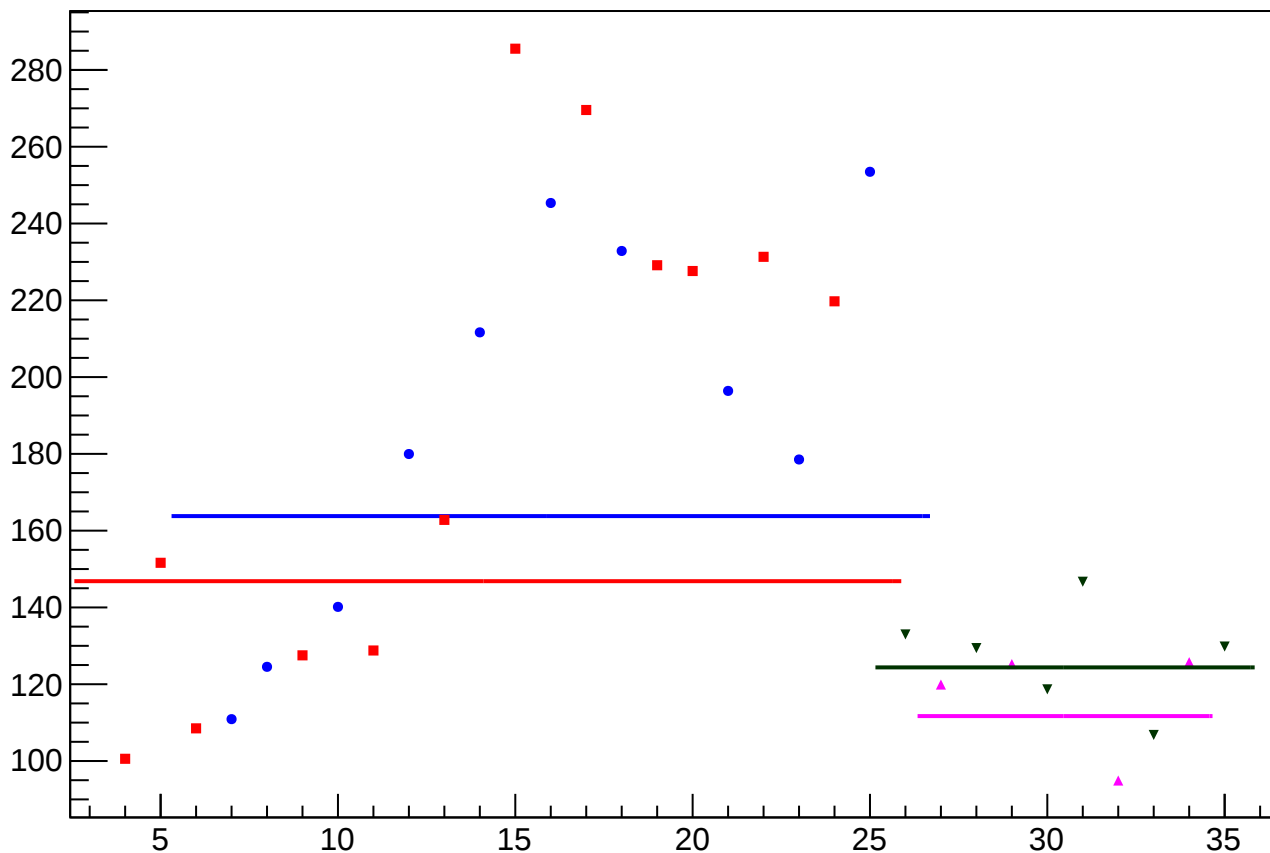
Right Out: 67.441 $\pm$ 61.599 χ^2/NDF : 0.5/11

Left In: -27.601 $\pm$ 64.892 χ^2/NDF : 0.1/3

59.634 $\pm$ 48.700 χ^2/NDF : 7.8/15

22.393 $\pm$ 44.676 χ^2/NDF : 1.7/15

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

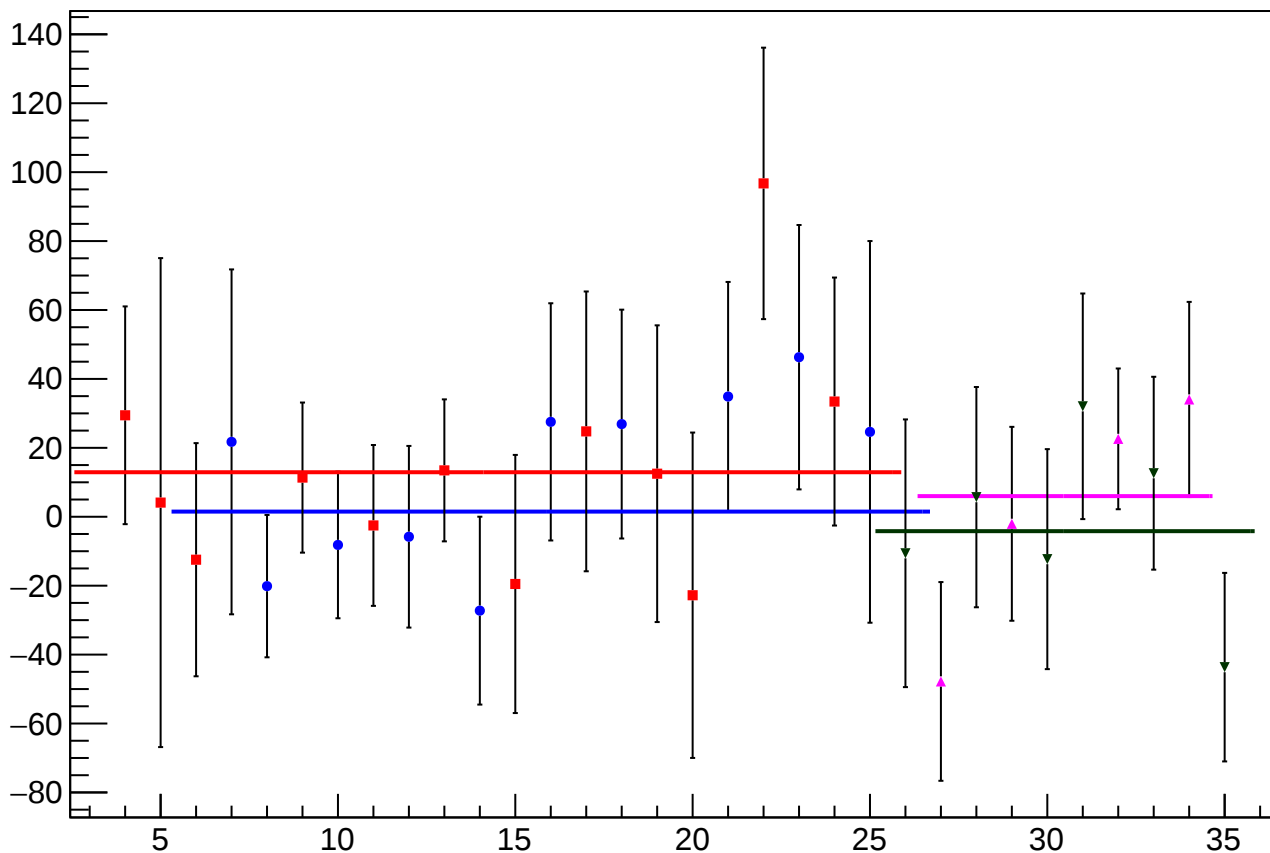
145.031+/-0.034 χ^2/NDF : 1202151.0/15

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

130.185+/-0.032 χ^2/NDF : 1714633.1/15

Left In: 111.700+/-0.046 χ^2/NDF : 93768.2/3

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs slug



Right In: 1.499 ± 9.367 $\chi^2/\text{NDF}: 6.4/9$

Left Out: -4.181 ± 12.731 $\chi^2/\text{NDF}: 3.9/5$

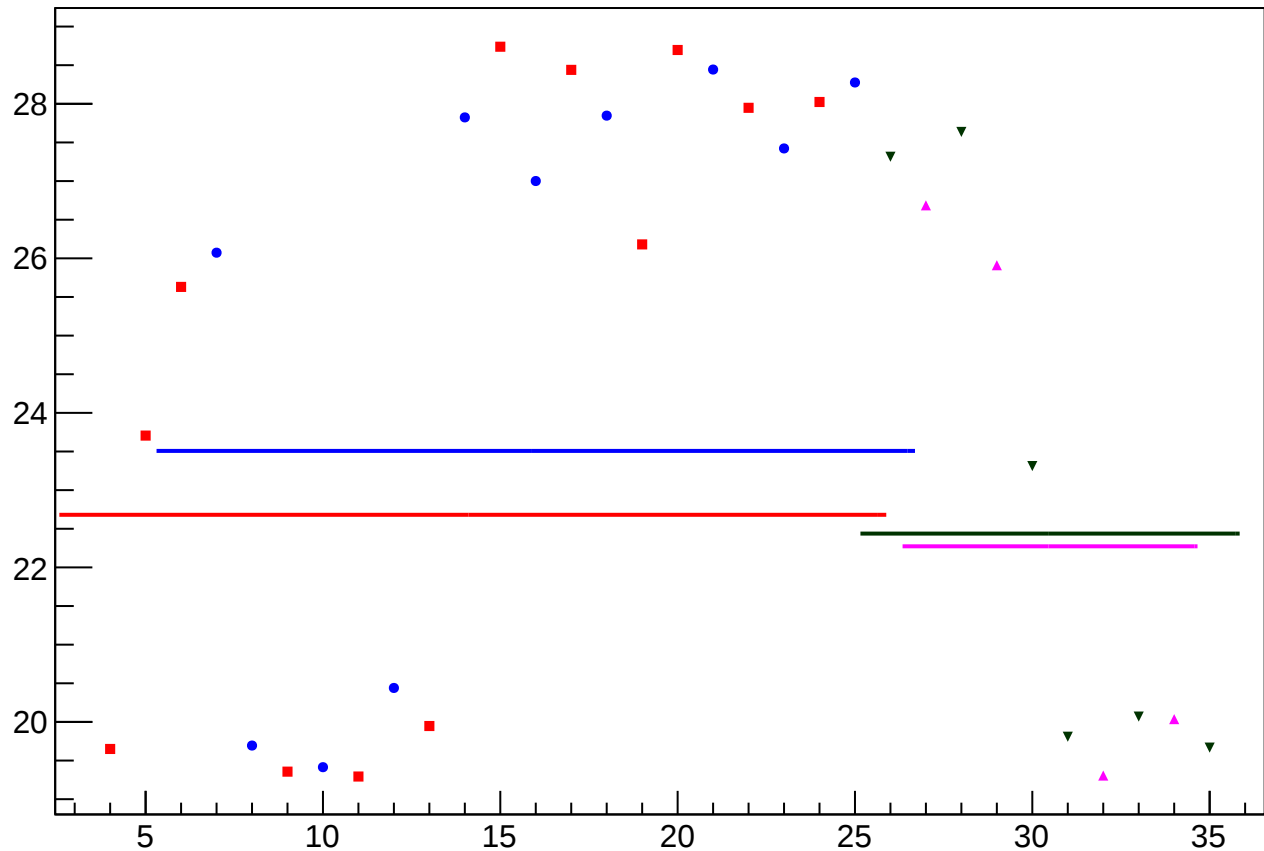
Right Out: 12.920 ± 9.091 $\chi^2/\text{NDF}: 7.6/11$

Left In: 5.989 ± 12.792 $\chi^2/\text{NDF}: 5.2/3$

-0.496 ± 7.545 $\chi^2/\text{NDF}: 10.3/15$

10.594 ± 7.410 $\chi^2/\text{NDF}: 13.0/15$

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

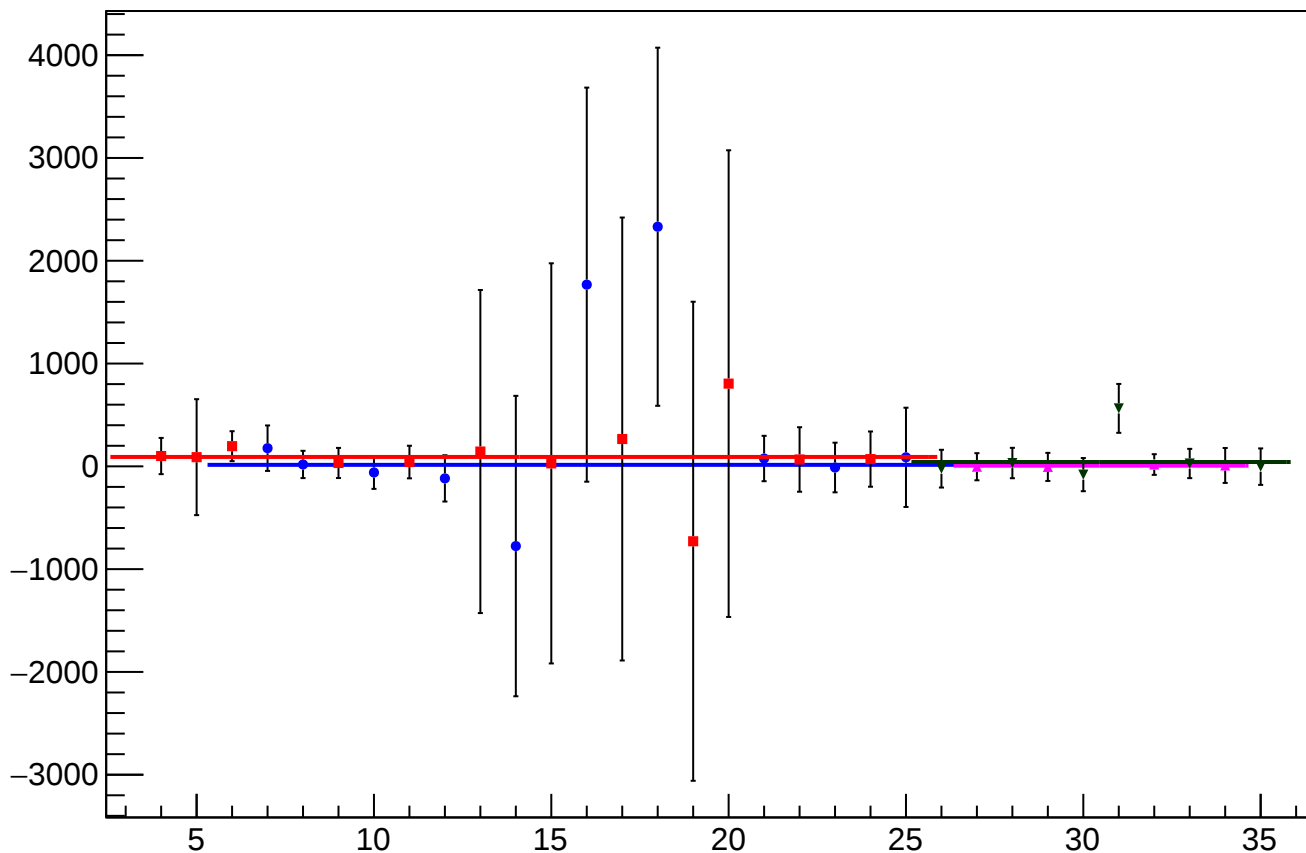
23.132 $\pm$ 0.005 χ^2/NDF : 502016.9/15

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

22.544 $\pm$ 0.005 χ^2/NDF : 512422.0/15

Left In: 22.273 $\pm$ 0.009 χ^2/NDF : 134989.7/3

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

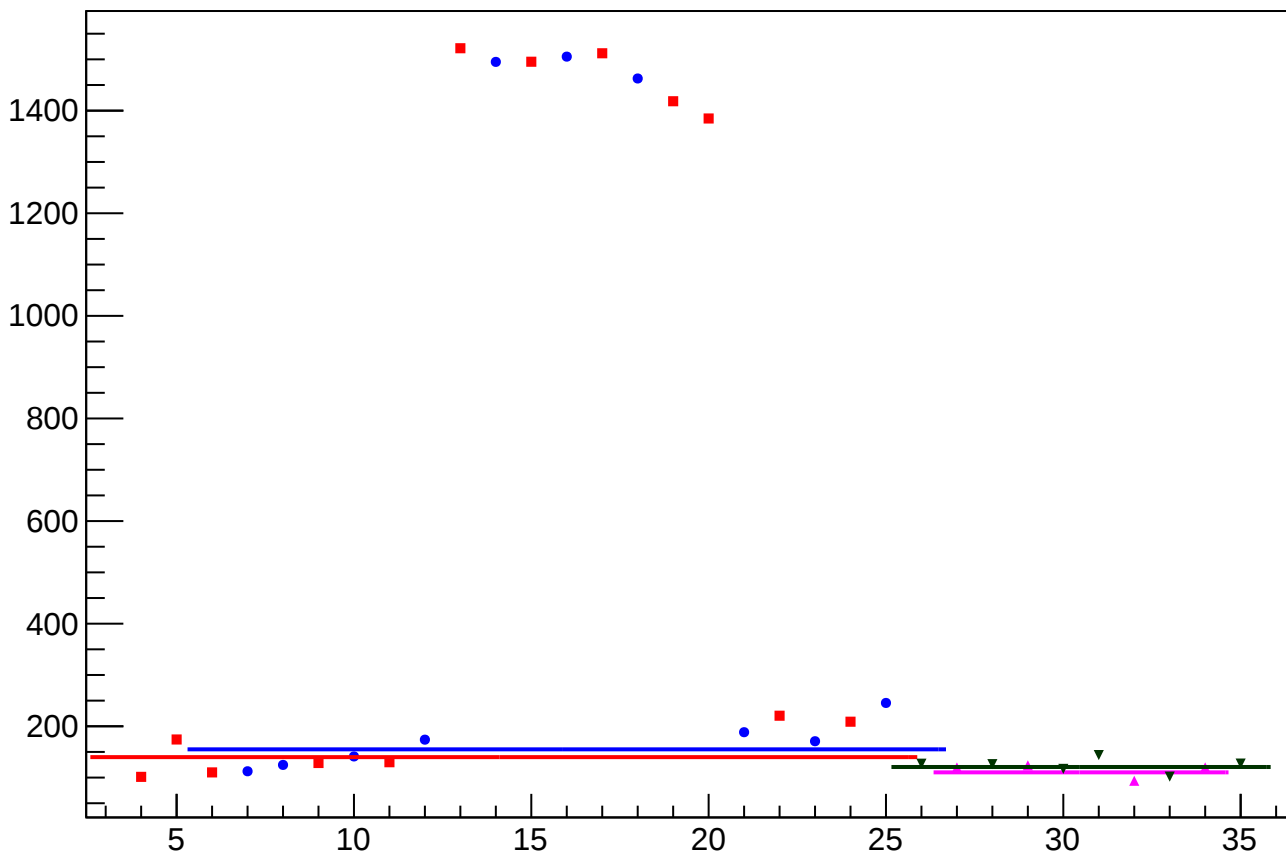
Right Out: 91.524+/-71.755 χ^2/NDF : 1.0/11

Left In: 6.346+/-63.924 χ^2/NDF : 0.0/3

29.564+/-50.517 χ^2/NDF : 9.8/15

44.035+/-47.731 χ^2/NDF : 1.8/15

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

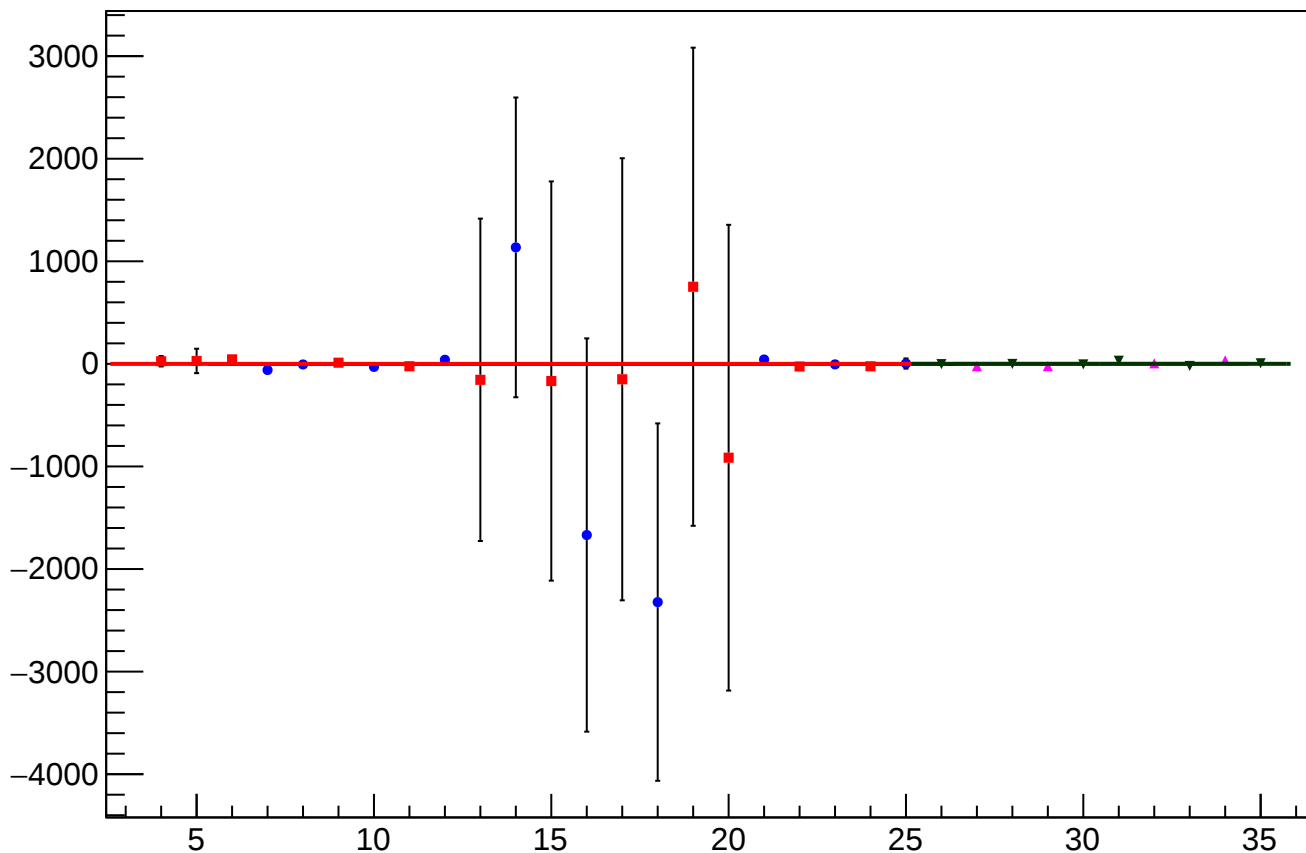
136.393+/-0.036 χ^2/NDF : 4427598.6/15

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

123.323+/-0.034 χ^2/NDF : 5282879.4/15

Left In: 110.191+/-0.045 χ^2/NDF : 90383.1/3

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

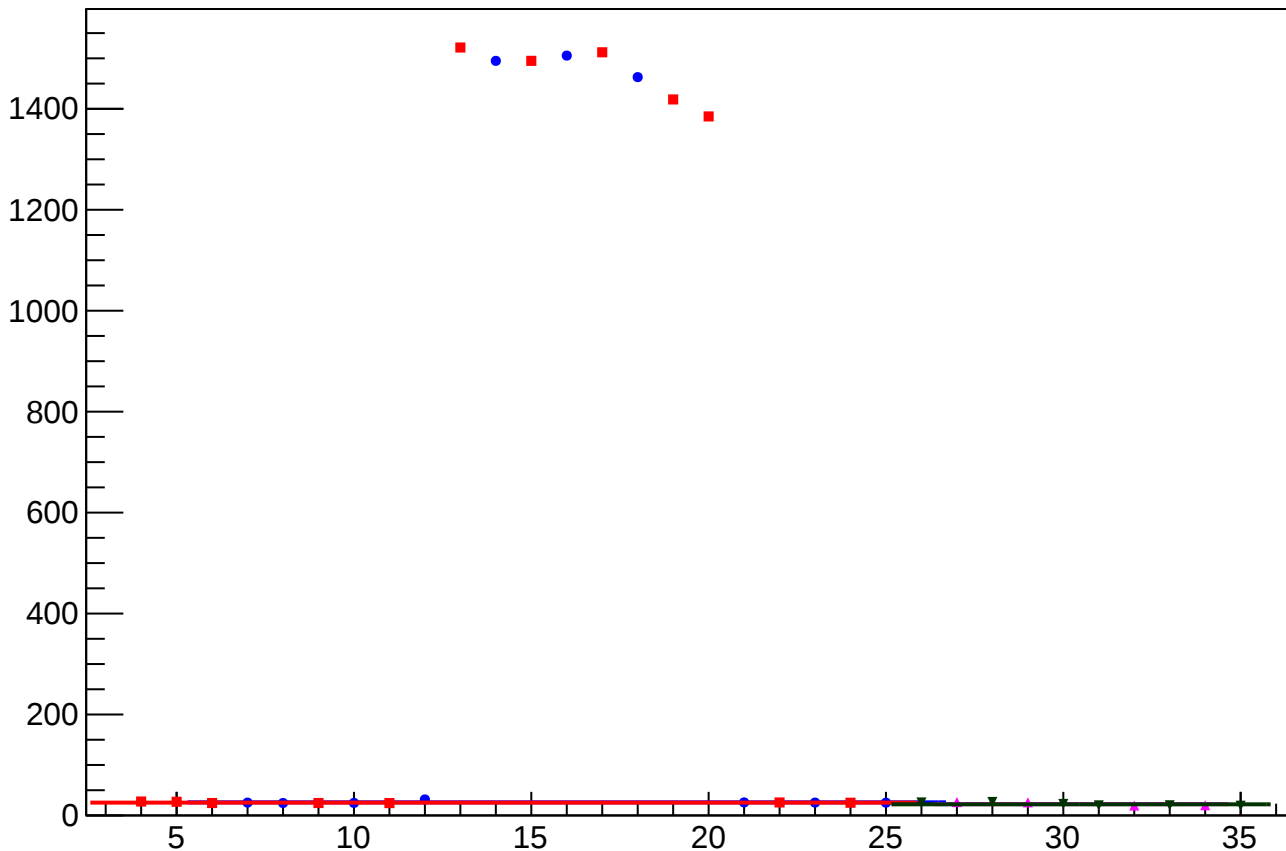
Right Out: -0.057+/-13.414 χ^2/NDF : 4.2/11

Left In: -0.246+/-12.889 χ^2/NDF : 2.7/3

-0.360+/-8.933 χ^2/NDF : 10.2/15

-0.155+/-9.294 χ^2/NDF : 7.0/15

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs slug



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

Left Out: 22.069+/-0.009 χ^2/NDF :105300.0/5

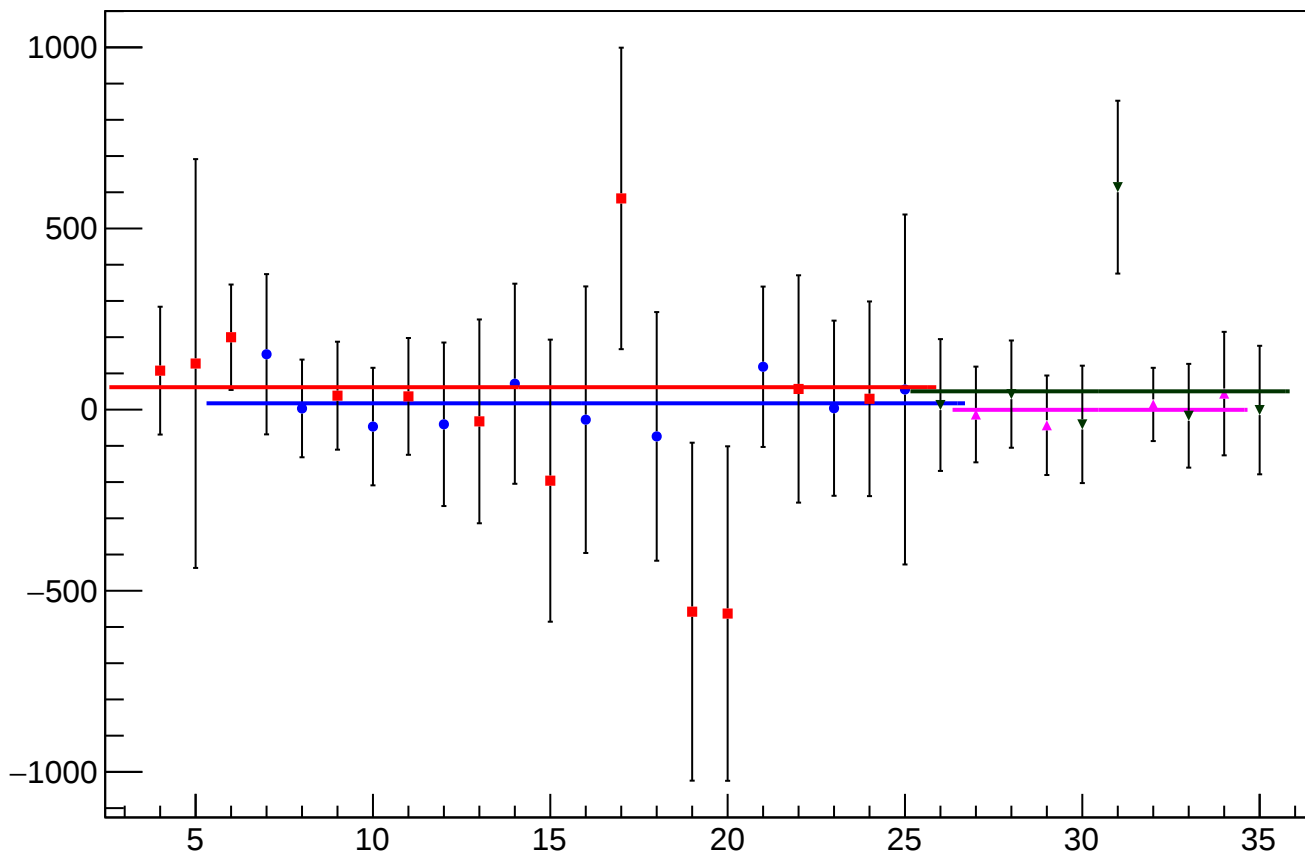
Right Out: 25.431+/-0.009 χ^2/NDF : 5346262.0/11

Left In: 22.480+/-0.009 χ^2/NDF :117937.1/3

23.993+/-0.006 χ^2/NDF : 4823092.8/15

23.897+/-0.007 χ^2/NDF : 5514520.1/15

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

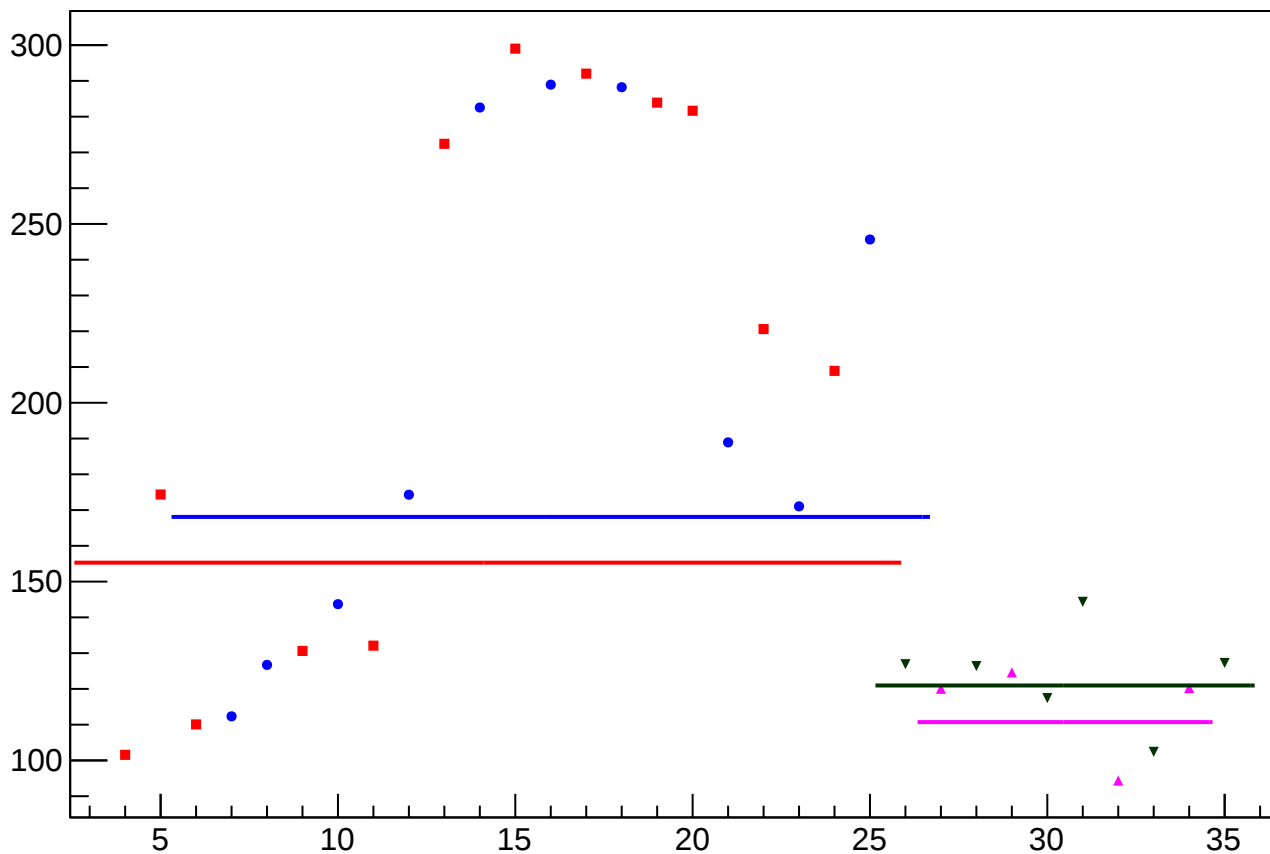
Right Out: 61.917+/-66.769 χ^2/NDF : 6.8/11

Left In: -0.548+/-64.211 χ^2/NDF : 0.2/3

34.316+/-49.034 χ^2/NDF : 7.3/15

29.464+/-46.282 χ^2/NDF : 7.4/15

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

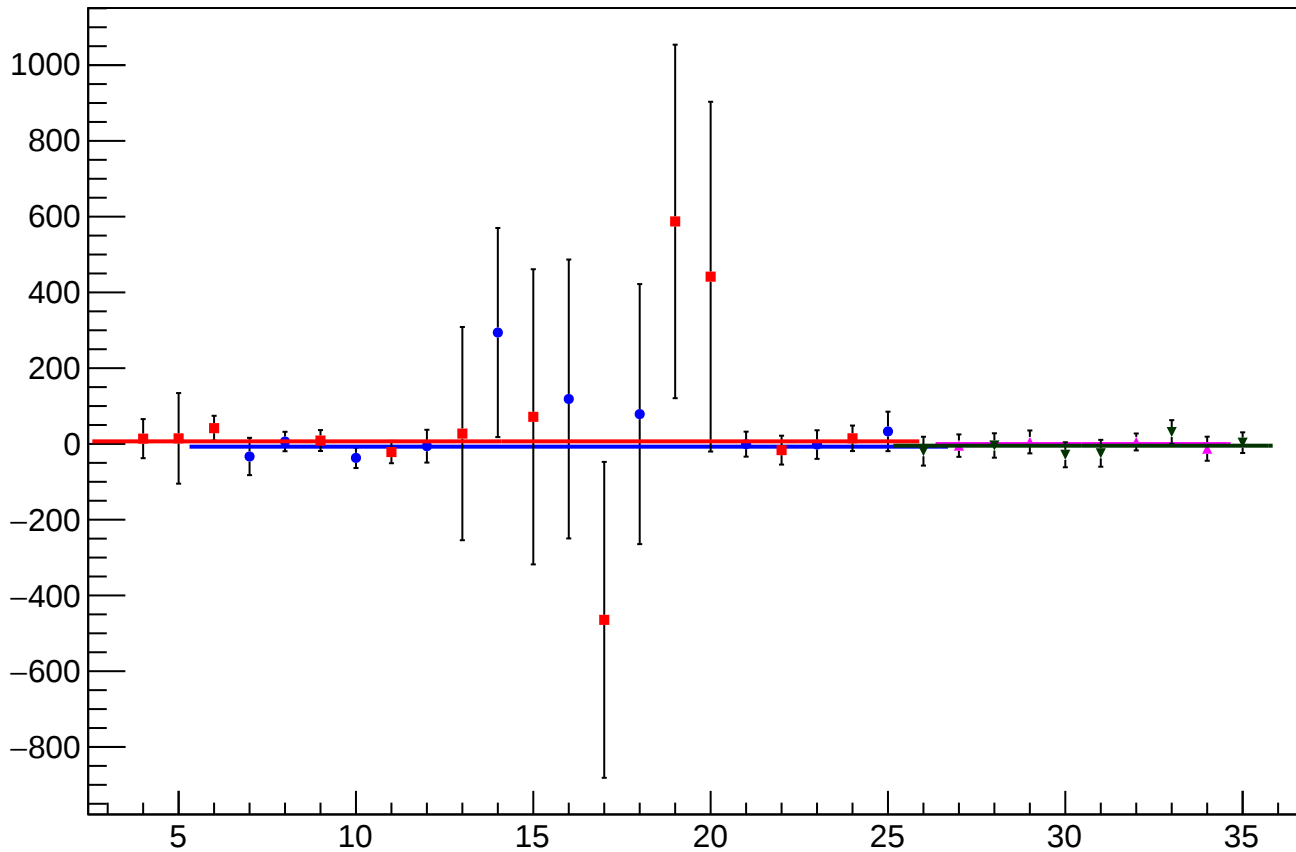
144.061 $\pm$ 0.035 χ^2 /NDF: 1759182.4/15

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

132.139 $\pm$ 0.033 χ^2 /NDF: 2332620.5/15

Left In: 110.720 $\pm$ 0.045 χ^2 /NDF: 88901.4/3

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

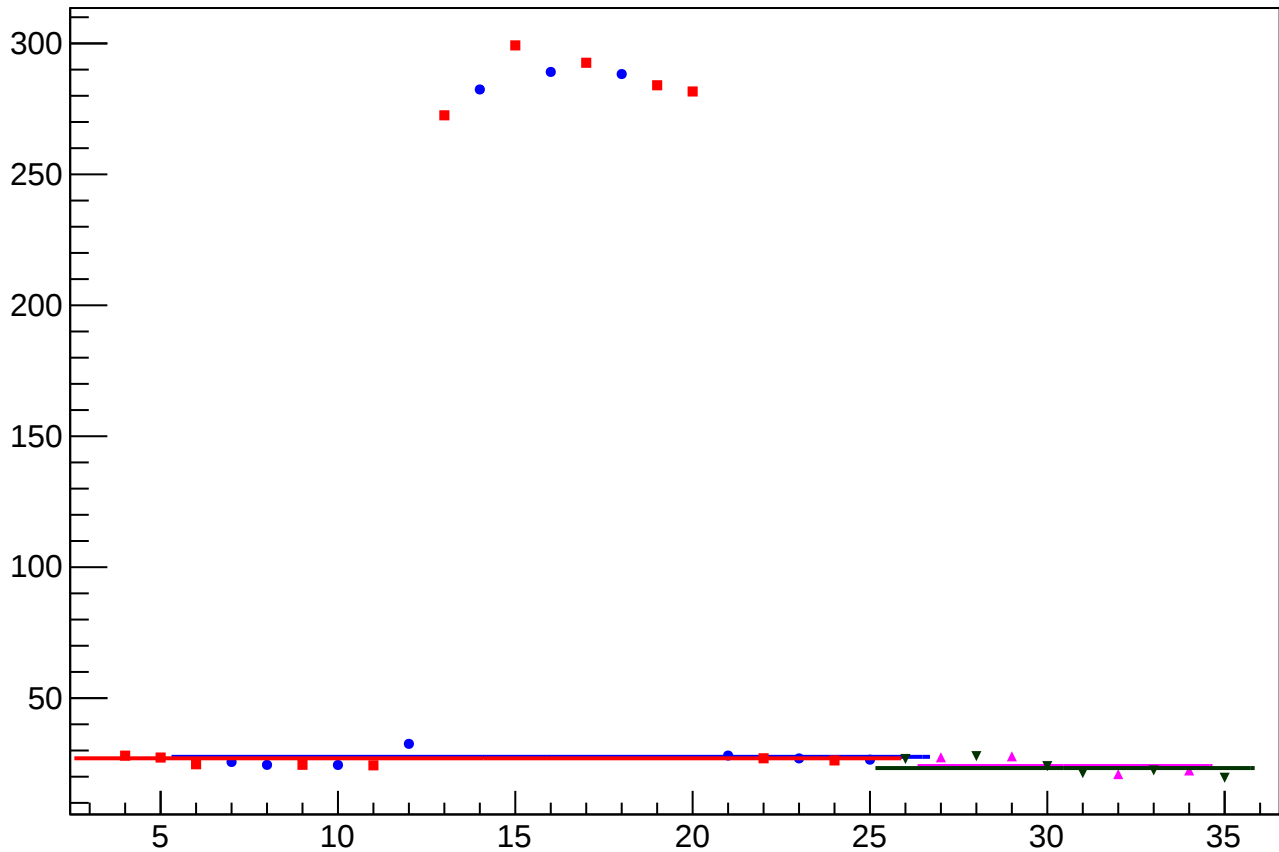
Right Out: 6.763+/-13.545 χ^2/NDF : 6.3/11

Left In: -0.269+/-13.831 χ^2/NDF : 0.3/3

-5.967+/-9.284 χ^2/NDF : 6.2/15

3.320+/-9.677 χ^2/NDF : 6.7/15

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

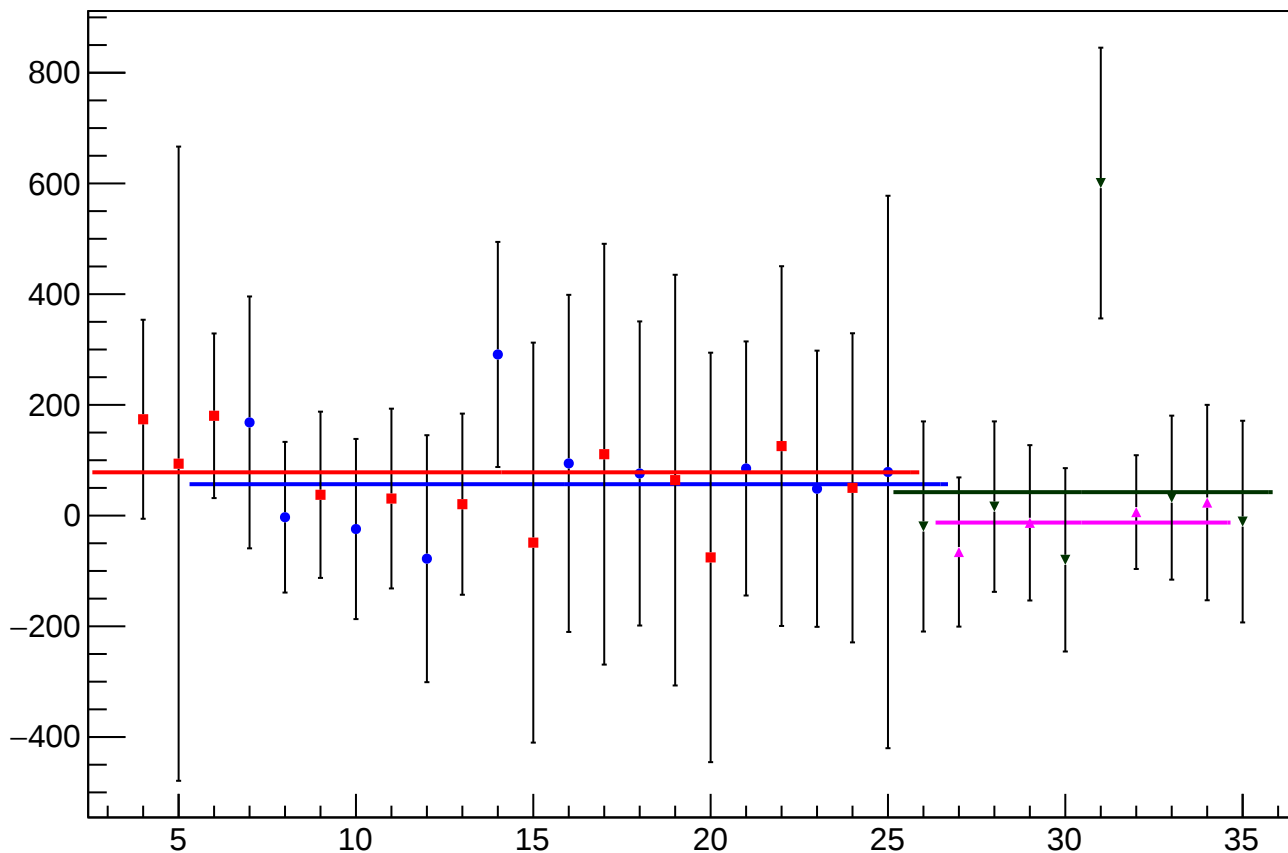
Right Out: 27.023+/-0.010 χ^2/NDF : 4568943.2/11

Left In: 24.075+/-0.010 χ^2/NDF : 99296.6/3

25.464+/-0.007 χ^2/NDF : 4162399.6/15

25.580+/-0.007 χ^2/NDF : 4714607.1/15

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs slug



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

Left Out: 42.348+/-70.920 χ^2/NDF : 6.0/5

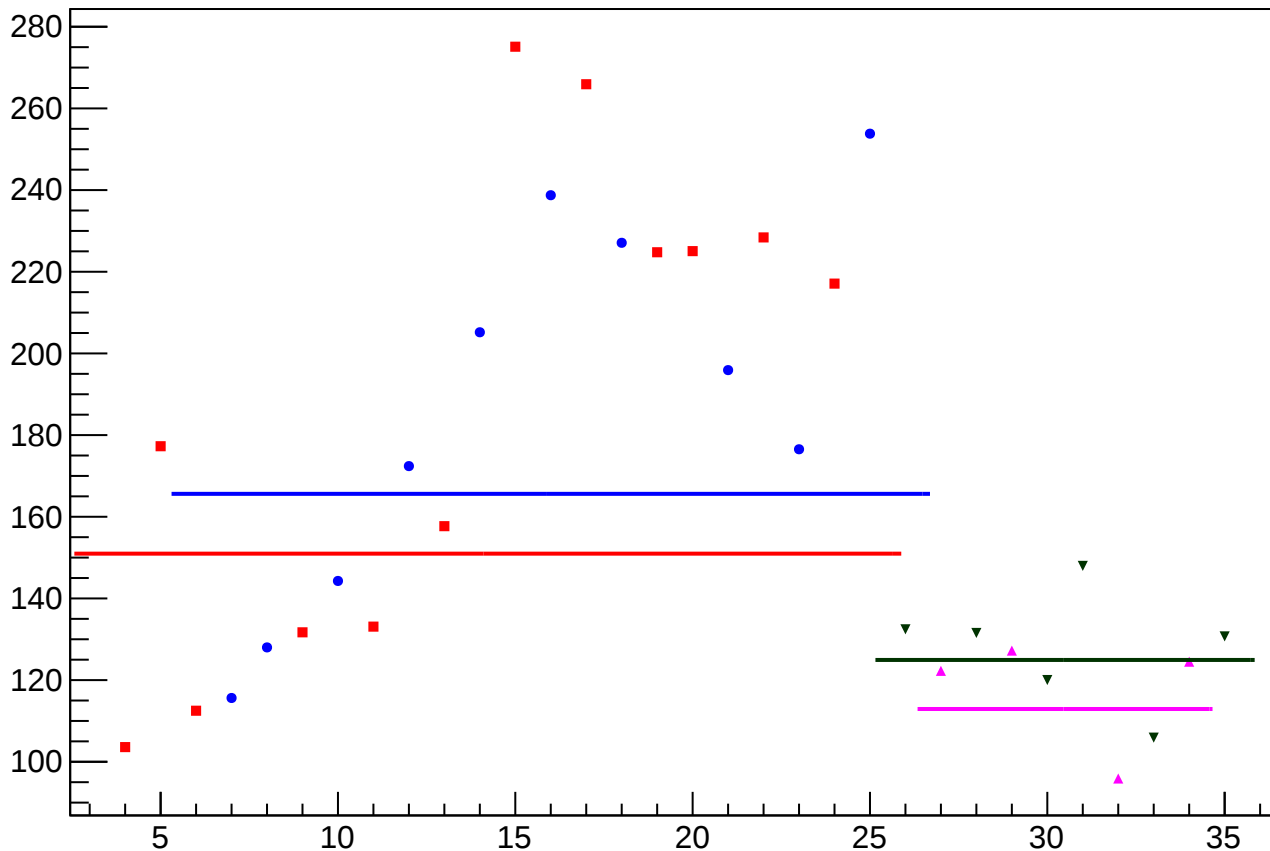
Right Out: 78.185+/-63.204 χ^2/NDF : 1.4/11

Left In: -12.601+/-65.557 χ^2/NDF : 0.2/3

49.872+/-48.952 χ^2/NDF : 8.4/15

34.450+/-45.501 χ^2/NDF : 2.6/15

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

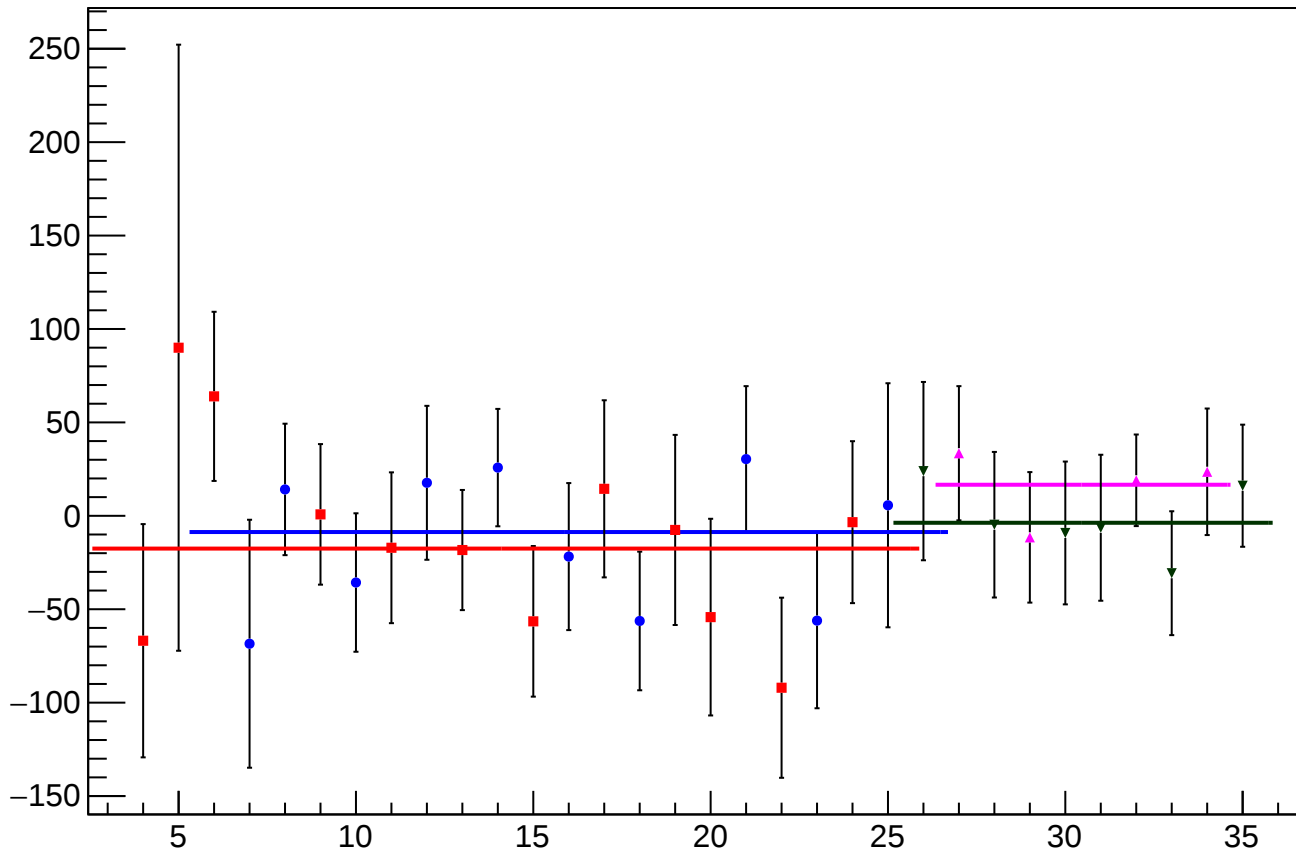
146.233 $\pm$ 0.035 χ^2 /NDF: 1083815.2/15

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

132.642 $\pm$ 0.032 χ^2 /NDF: 1584754.0/15

Left In: 112.927 $\pm$ 0.046 χ^2 /NDF: 93880.6/3

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs slug



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

Left Out: -3.725+/-15.279 χ^2/NDF : 1.4/5

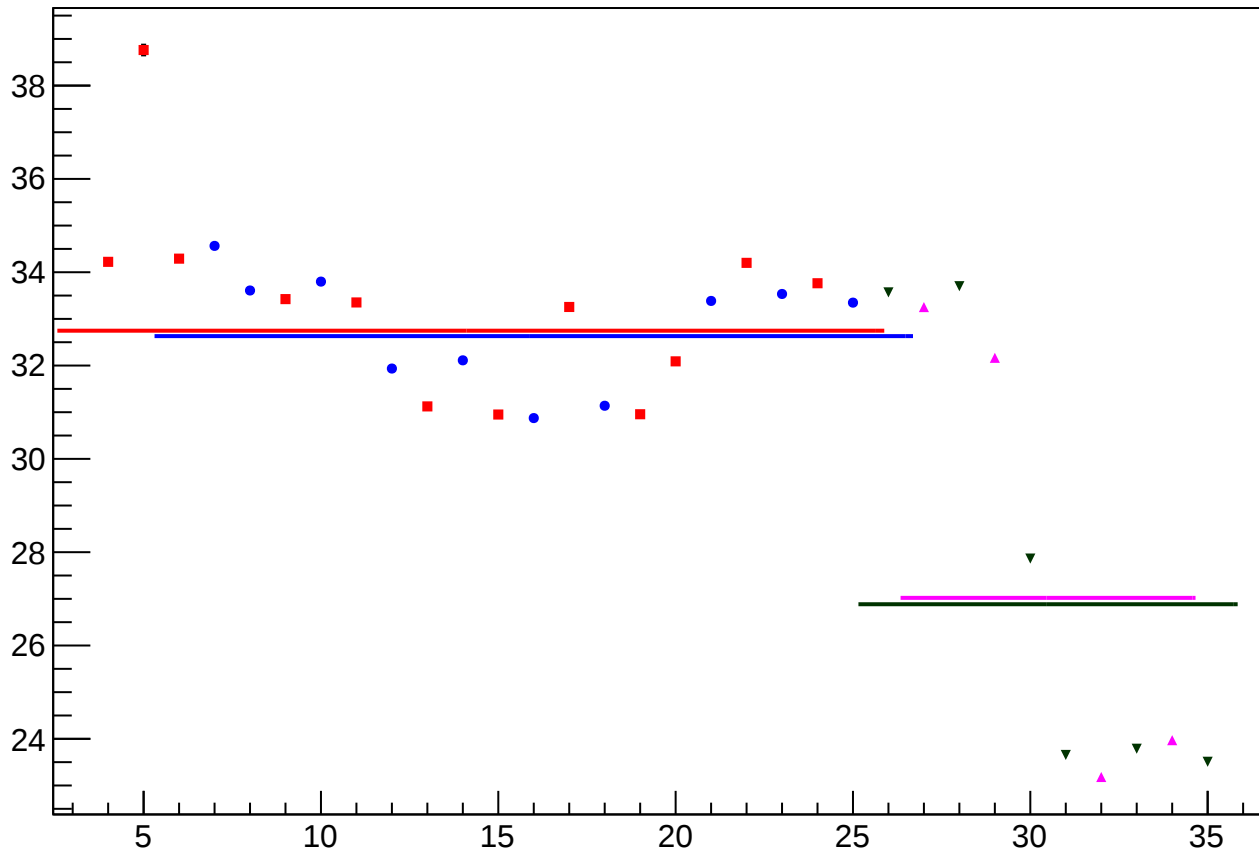
-6.633+/-9.821 χ^2/NDF : 8.7/15

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

-3.381+/-10.014 χ^2/NDF : 12.7/15

Left In: 16.633+/-15.557 χ^2/NDF : 0.9/3

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

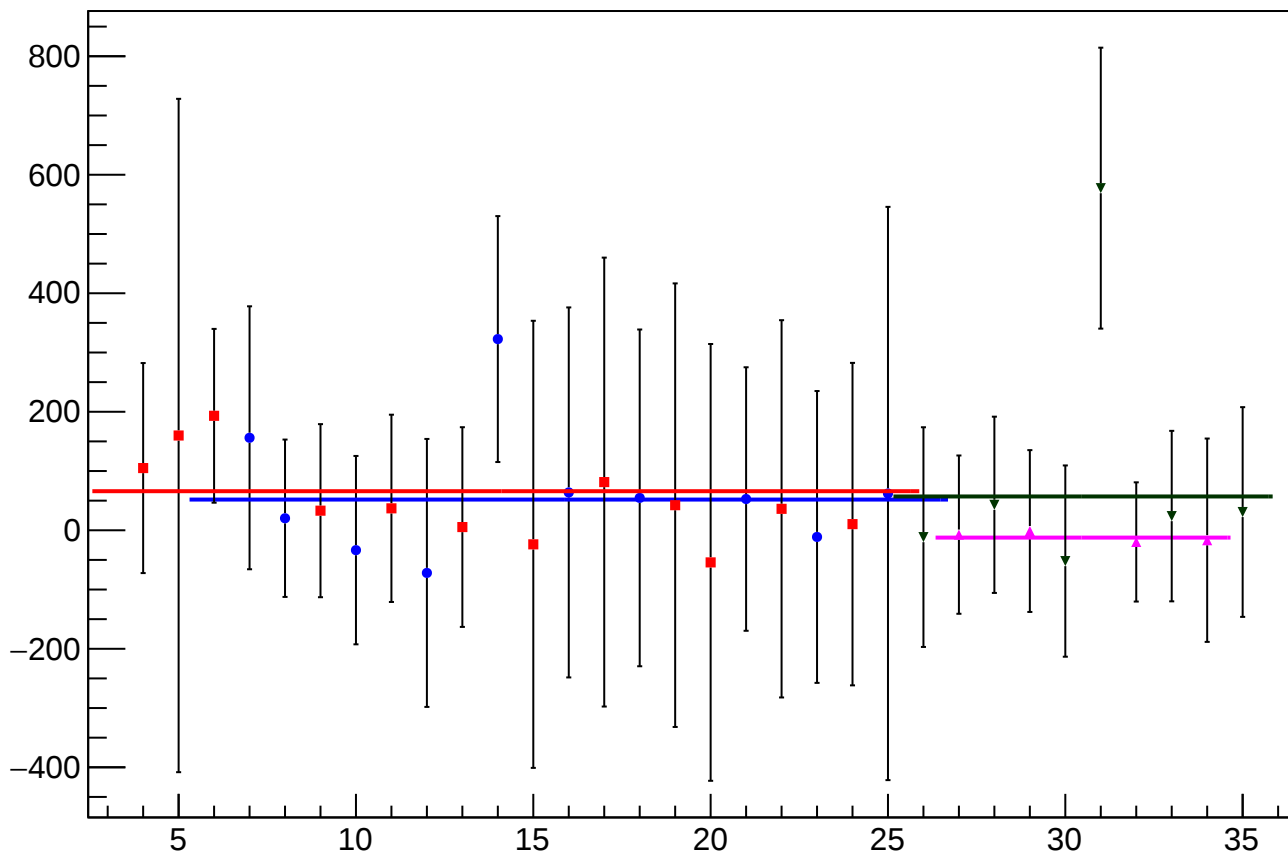
Right Out: 32.747+/-0.009 χ^2/NDF : 22297.5/11

Left In: 27.021+/-0.011 χ^2/NDF : 168919.0/3

30.256+/-0.007 χ^2/NDF : 335515.8/15

30.375+/-0.007 χ^2/NDF : 349895.2/15

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

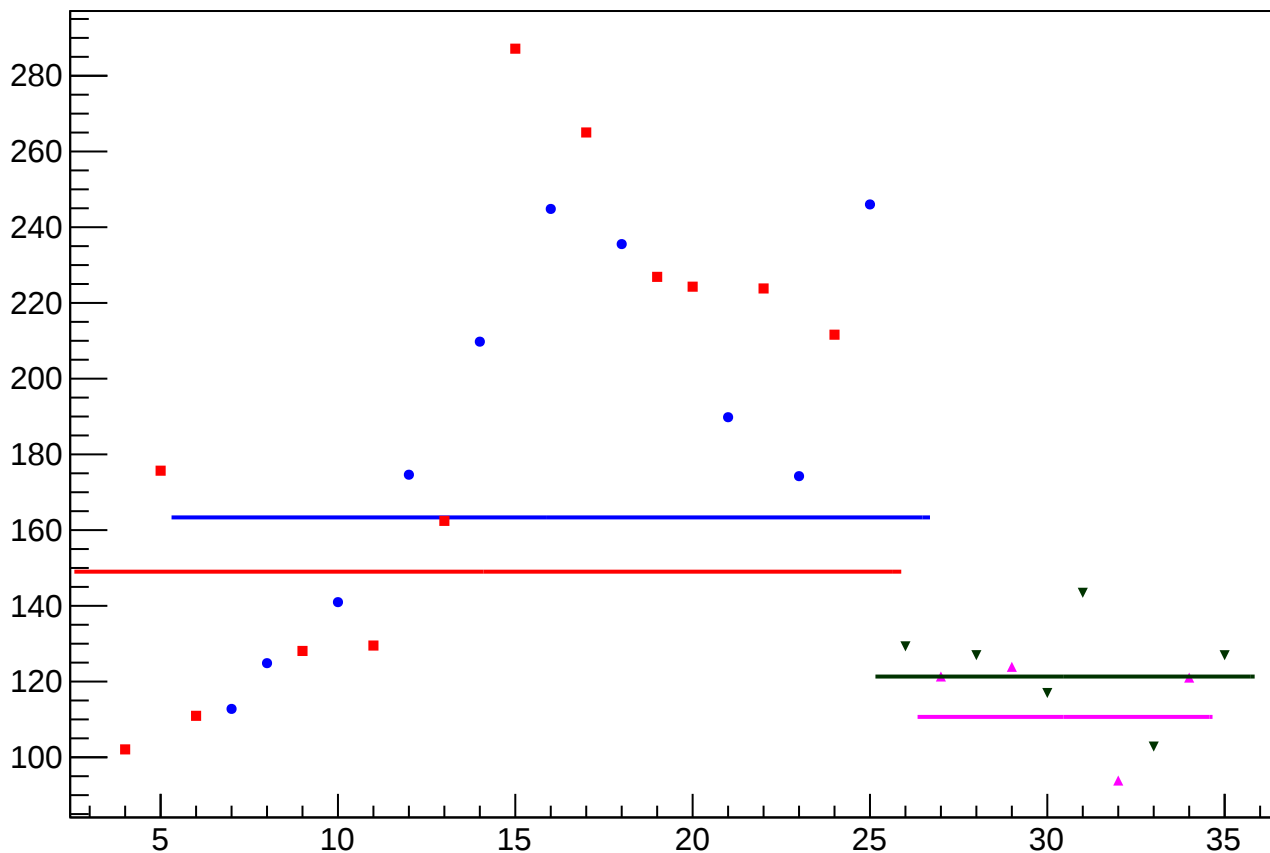
Right Out: 65.954 $\pm$ 62.568 χ^2/NDF : 1.3/11

Left In: -12.353 $\pm$ 64.221 χ^2/NDF : 0.0/3

54.378 $\pm$ 48.015 χ^2/NDF : 8.1/15

27.821 $\pm$ 44.815 χ^2/NDF : 2.0/15

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

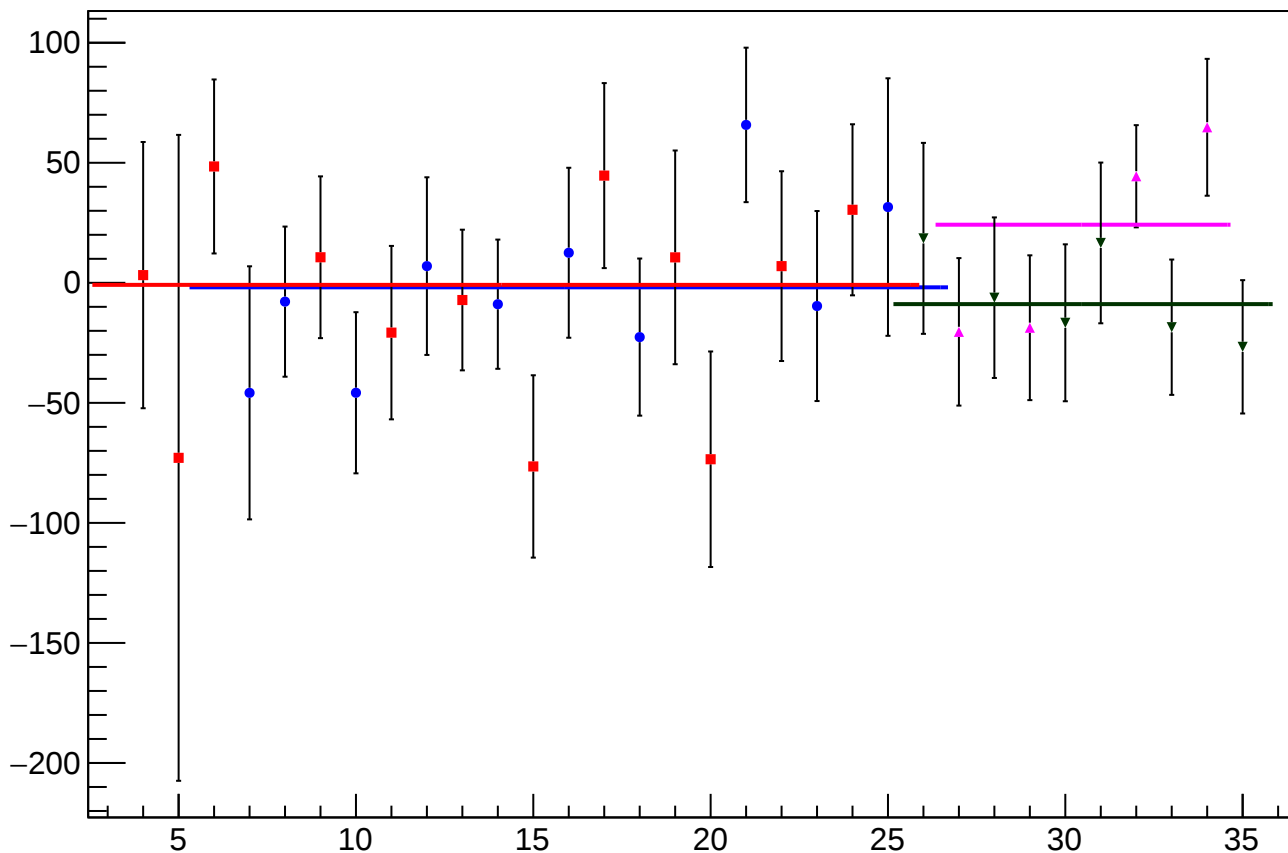
142.933+/-0.034 χ^2/NDF : 1216002.4/15

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

130.343+/-0.032 χ^2/NDF : 1666339.1/15

Left In: 110.665+/-0.045 χ^2/NDF : 94691.6/3

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

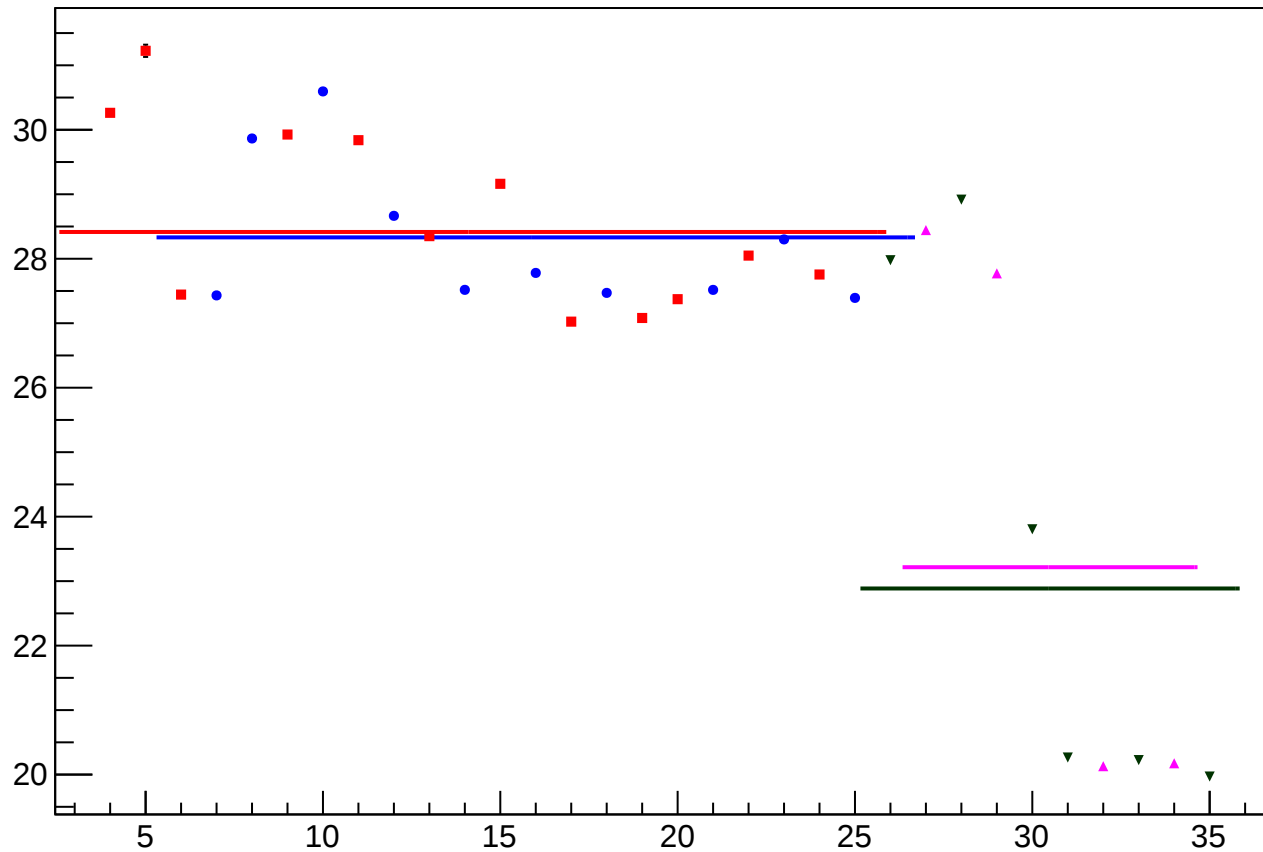
Right Out: -0.853 ± 11.359 χ^2/NDF : 11.5/11

Left In: 24.205 ± 13.367 χ^2/NDF : 7.1/3

-4.837 ± 8.459 χ^2/NDF : 9.8/15

9.654 ± 8.656 χ^2/NDF : 20.6/15

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

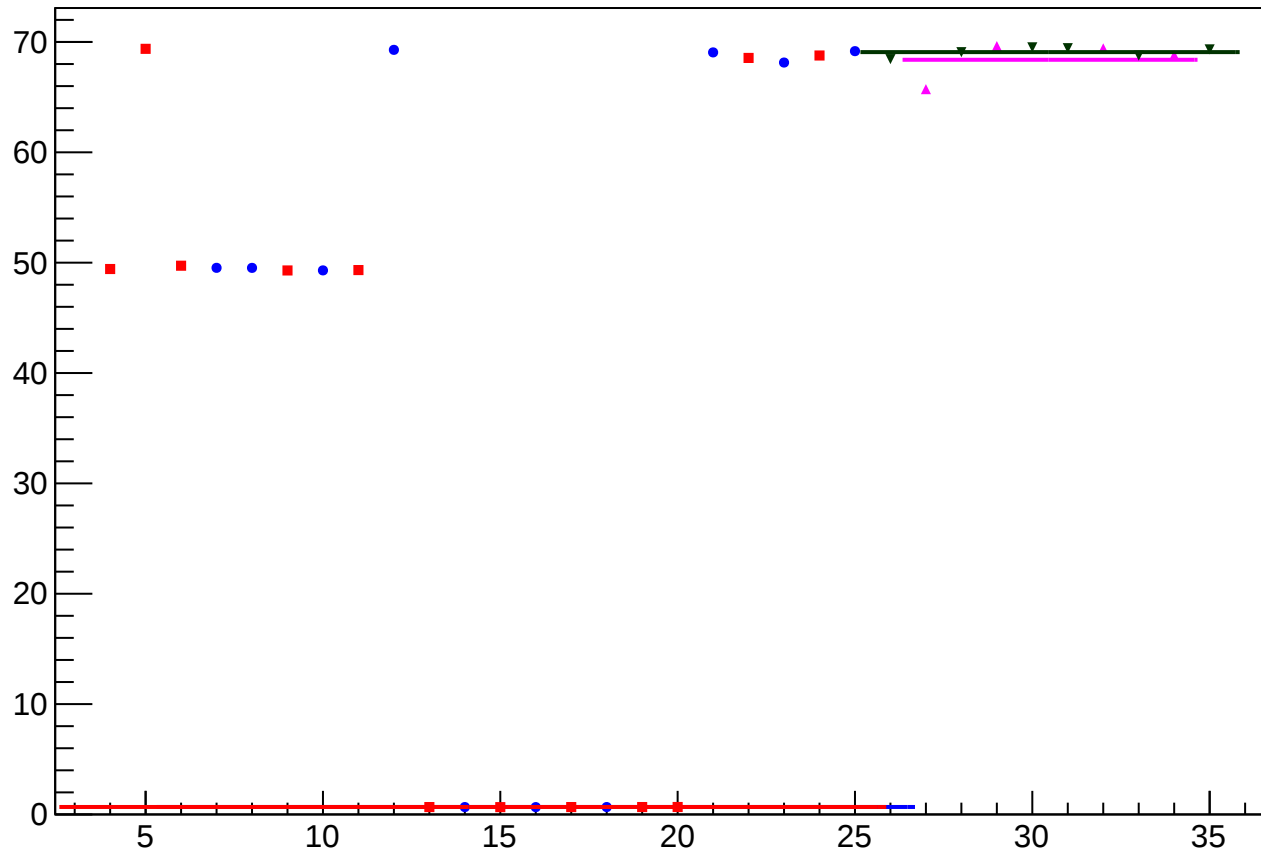
Right Out: 28.415+/-0.008 χ^2/NDF : 18780.8/11

Left In: 23.216+/-0.009 χ^2/NDF : 168404.2/3

26.028+/-0.006 χ^2/NDF : 374074.6/15

26.235+/-0.006 χ^2/NDF : 362886.6/15

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

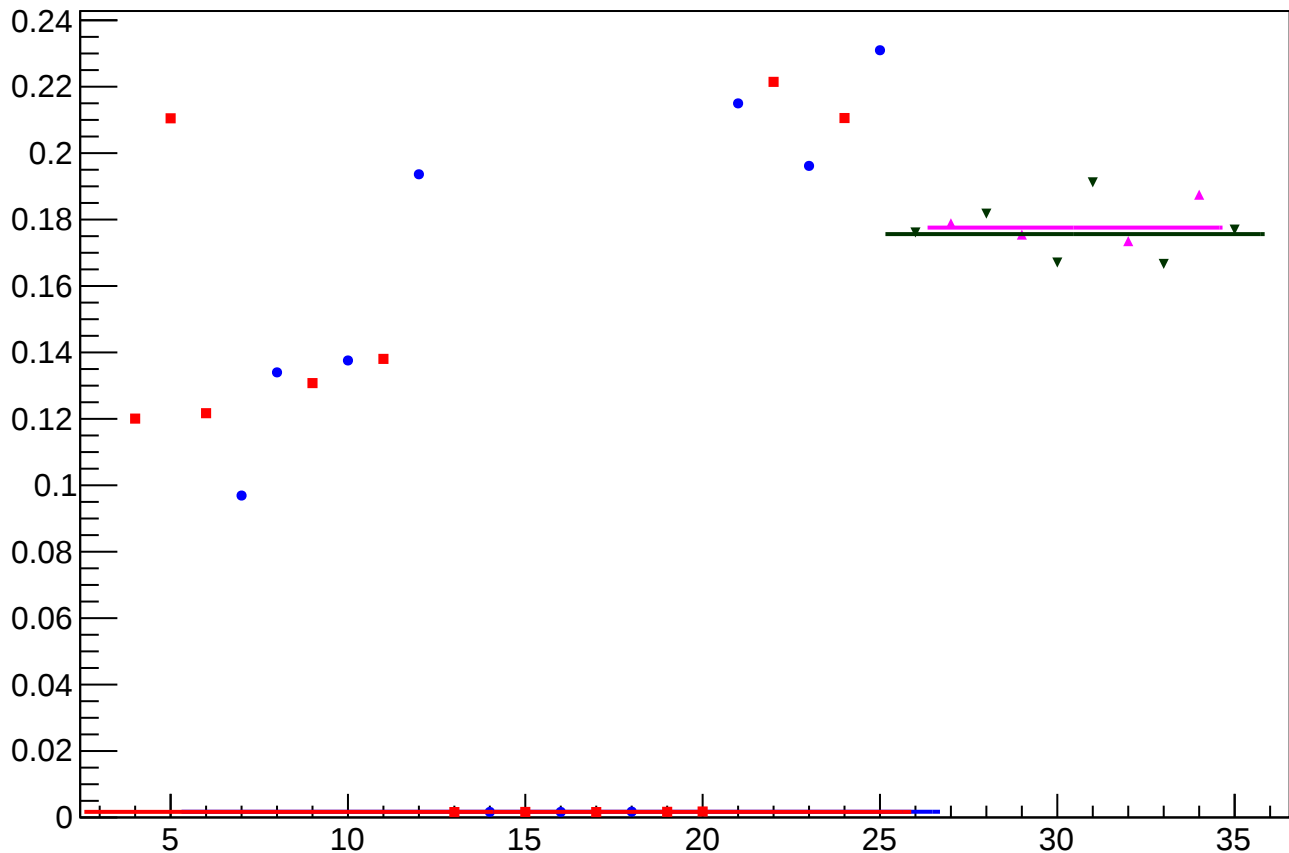
0.686+/-0.000 χ^2/NDF : 951652172248.9/15

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

0.684+/-0.000 χ^2/NDF : 869772879897.5/15

Left In: 68.385+/-0.000 χ^2/NDF :254395561.1/3

yield_bcm_an_ds_rms vs slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 7632381.8/9

Left Out: 0.176 $\pm$ 0.000 χ^2 /NDF:11949.6/5

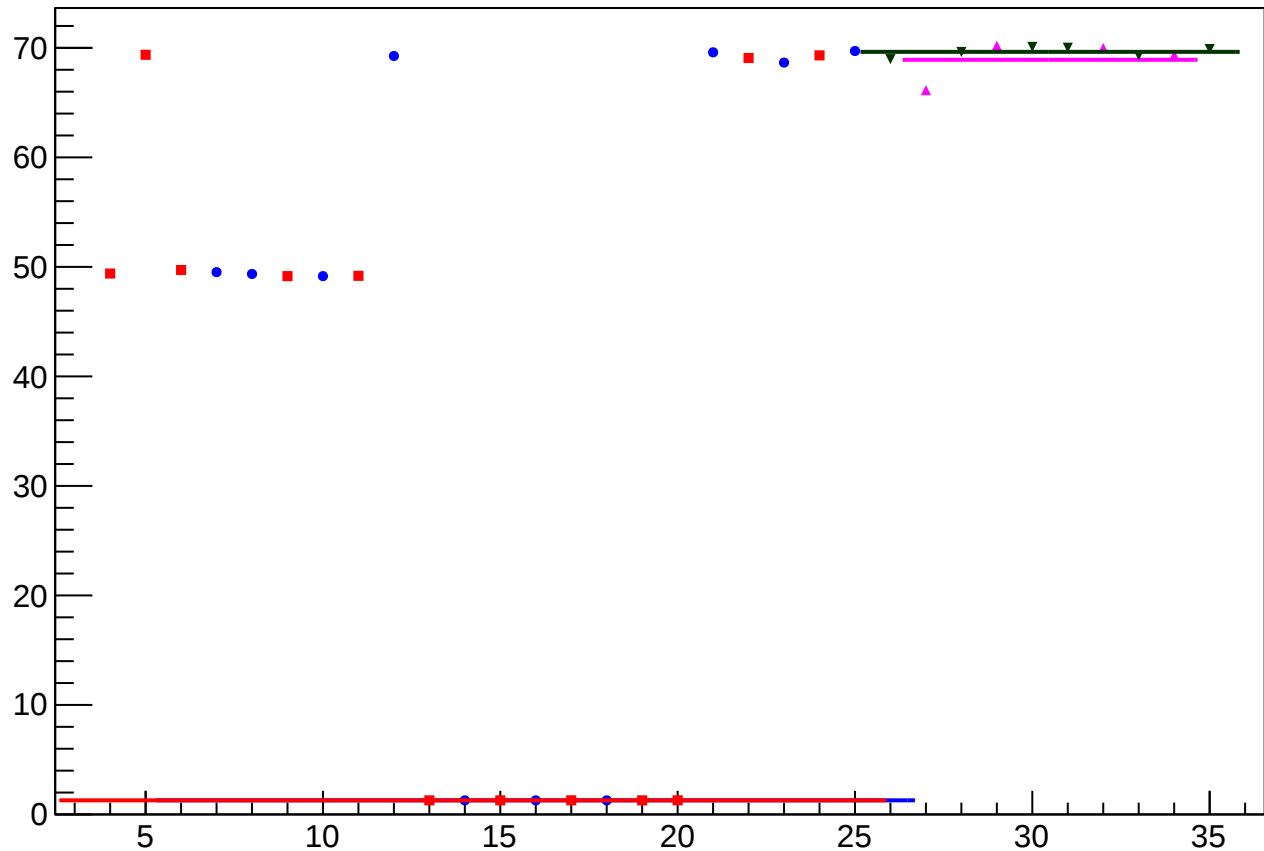
Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 6636068.7/11

Left In: 0.178 $\pm$ 0.000 χ^2 /NDF:4020.6/3

0.002 $\pm$ 0.000 χ^2 /NDF: 13560687.1/15

0.002 $\pm$ 0.000 χ^2 /NDF: 12478793.1/15

yield_bcm_an_ds3_mean vs slug



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

Left Out: 69.635+/-0.000 χ^2/NDF :14193715.8/5

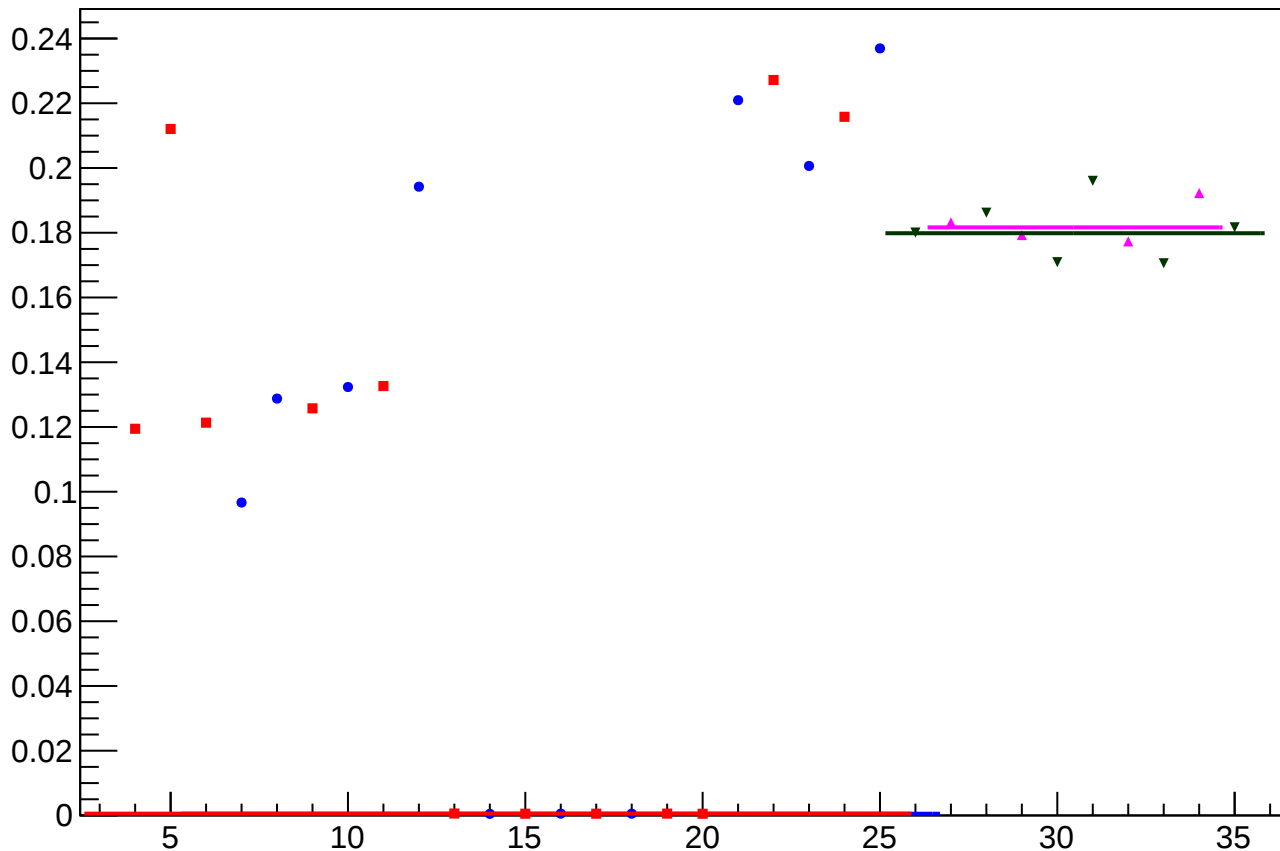
Right Out: 1.289+/-0.000 χ^2/NDF : 437398241389.8/11

Left In: 68.910+/-0.000 χ^2/NDF :262872899.7/3

1.291+/-0.000 χ^2/NDF : 928640389621.7/15

1.290+/-0.000 χ^2/NDF : 849880217860.8/15

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

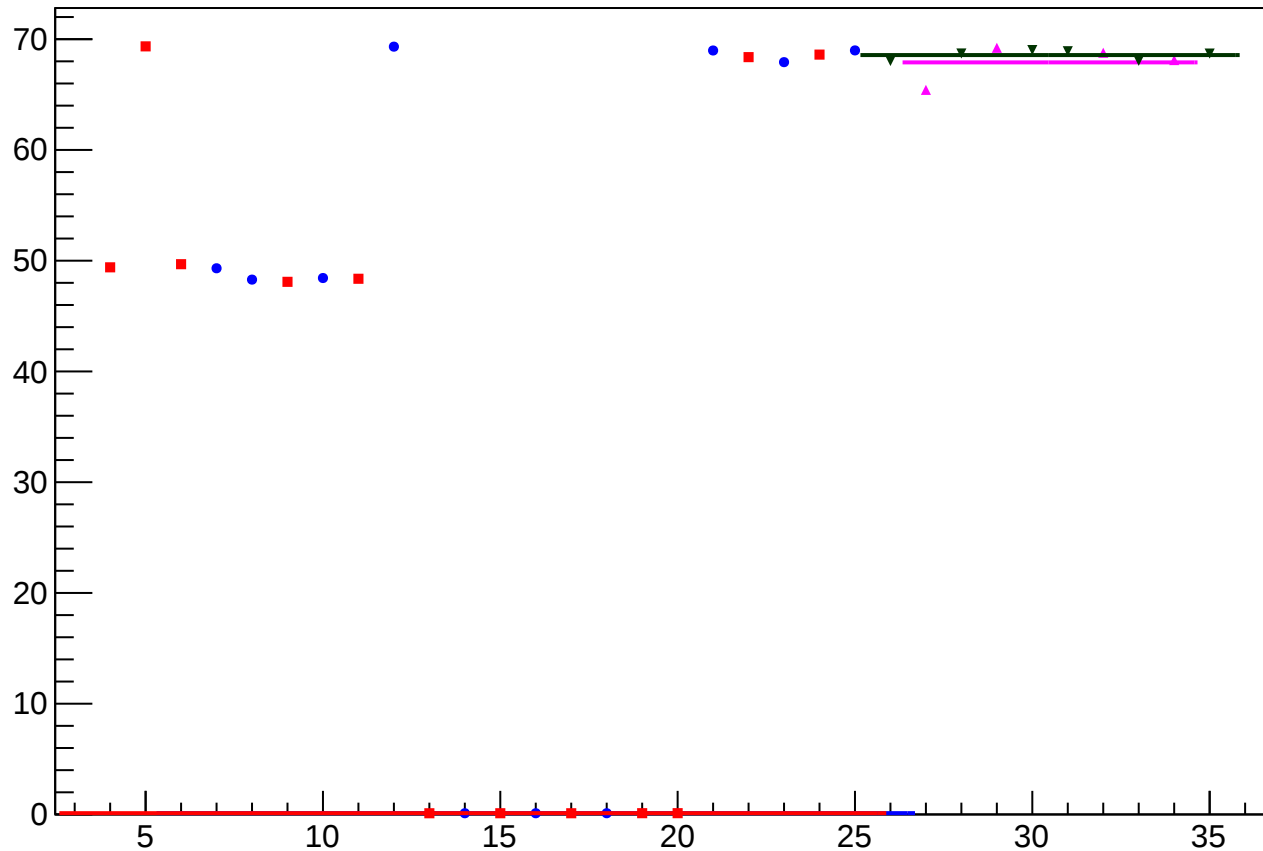
Right Out: 0.001+/-0.000 χ^2/NDF : 6741519.4/11

Left In: 0.182+/-0.000 χ^2/NDF :4422.4/3

0.001+/-0.000 χ^2/NDF : 13772156.9/15

0.001+/-0.000 χ^2/NDF : 12659019.5/15

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

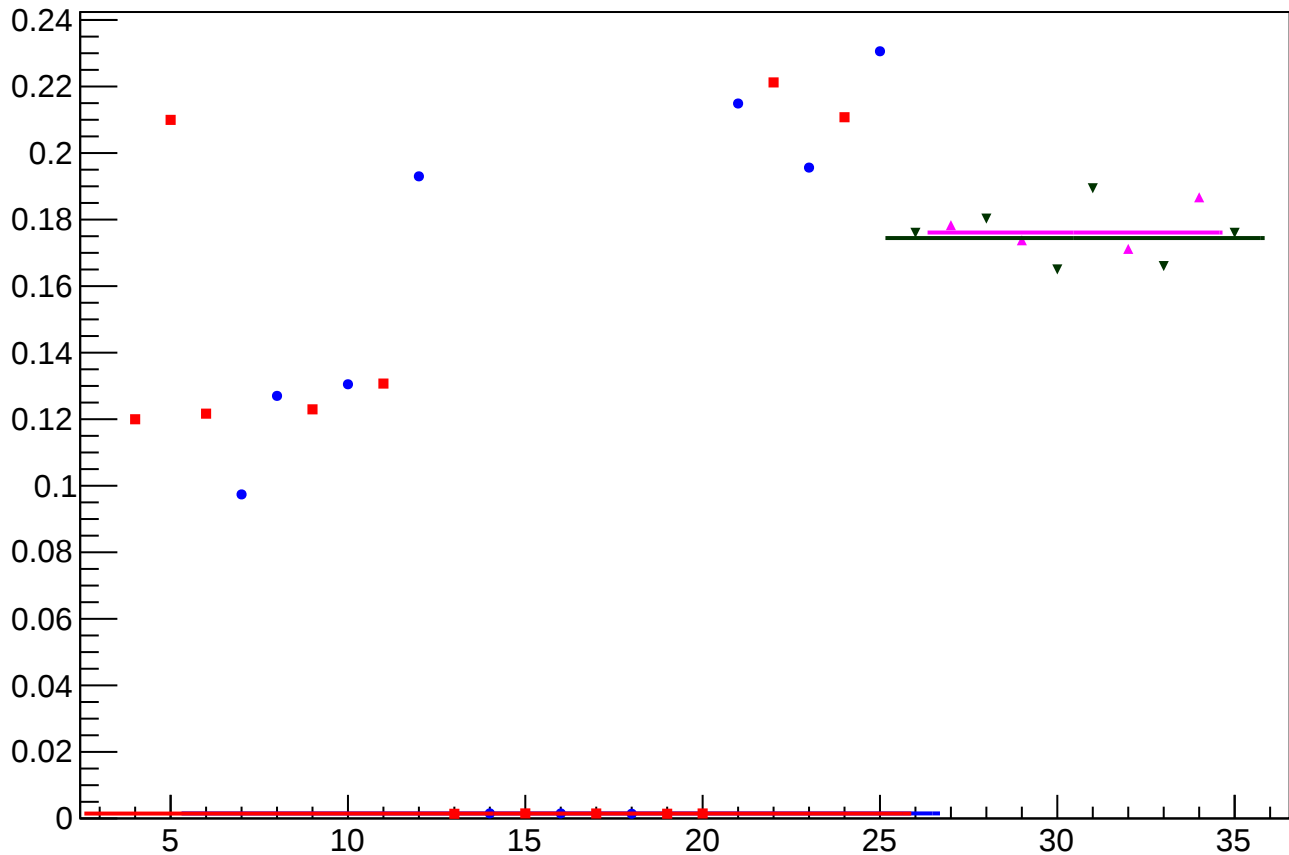
Right Out: 0.117+/-0.000 χ^2/NDF : 459272313715.4/11

Left In: 67.905+/-0.000 χ^2/NDF :227261740.7/3

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

0.122+/-0.000 χ^2/NDF : 900111662122.6/15

yield_bcm_an_us_rms vs slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 7641271.5/9

Left Out: 0.174 $\pm$ 0.000 χ^2 /NDF:11947.5/5

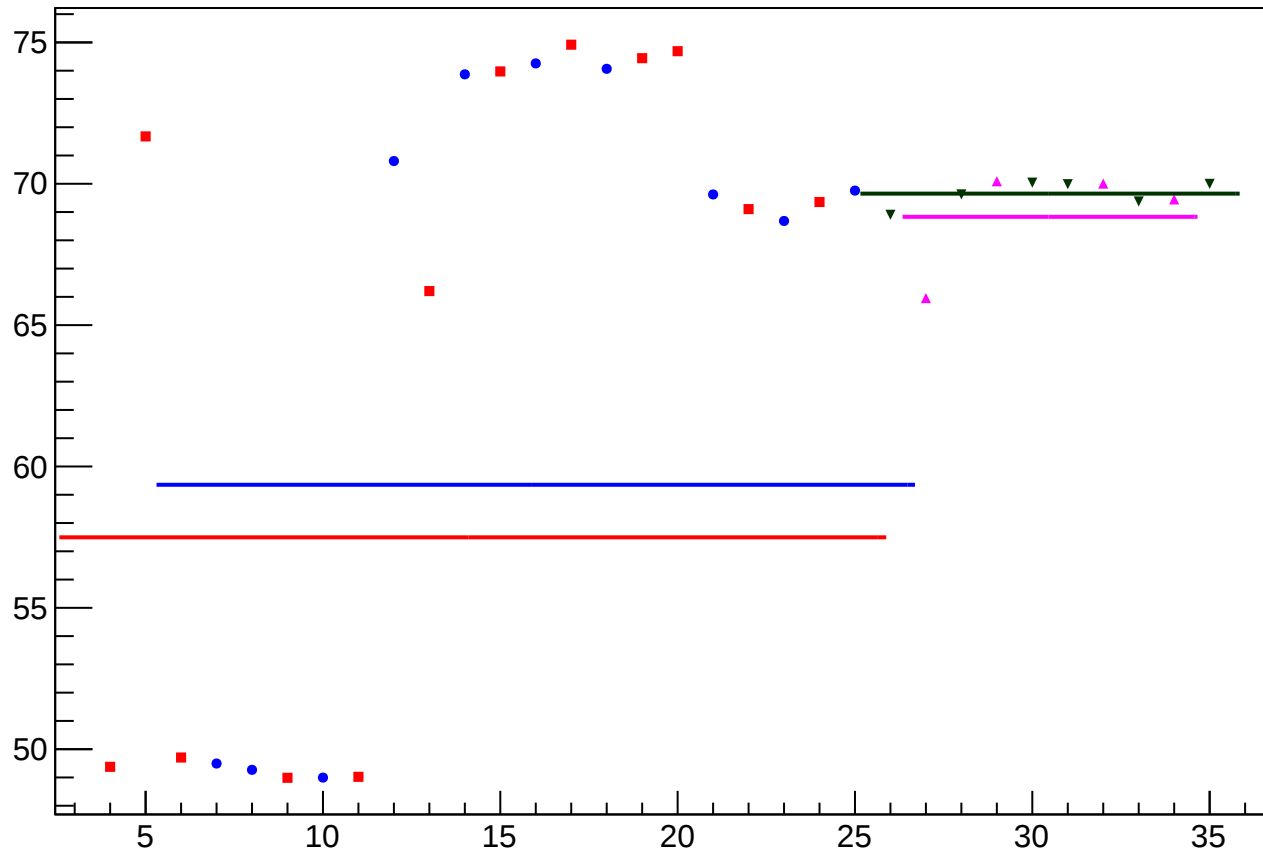
0.002 $\pm$ 0.000 χ^2 /NDF: 13564524.0/15

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 6649150.6/11

0.001 $\pm$ 0.000 χ^2 /NDF: 12503051.9/15

Left In: 0.176 $\pm$ 0.000 χ^2 /NDF:5130.2/3

yield_bcm_dg_us_mean vs slug



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

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

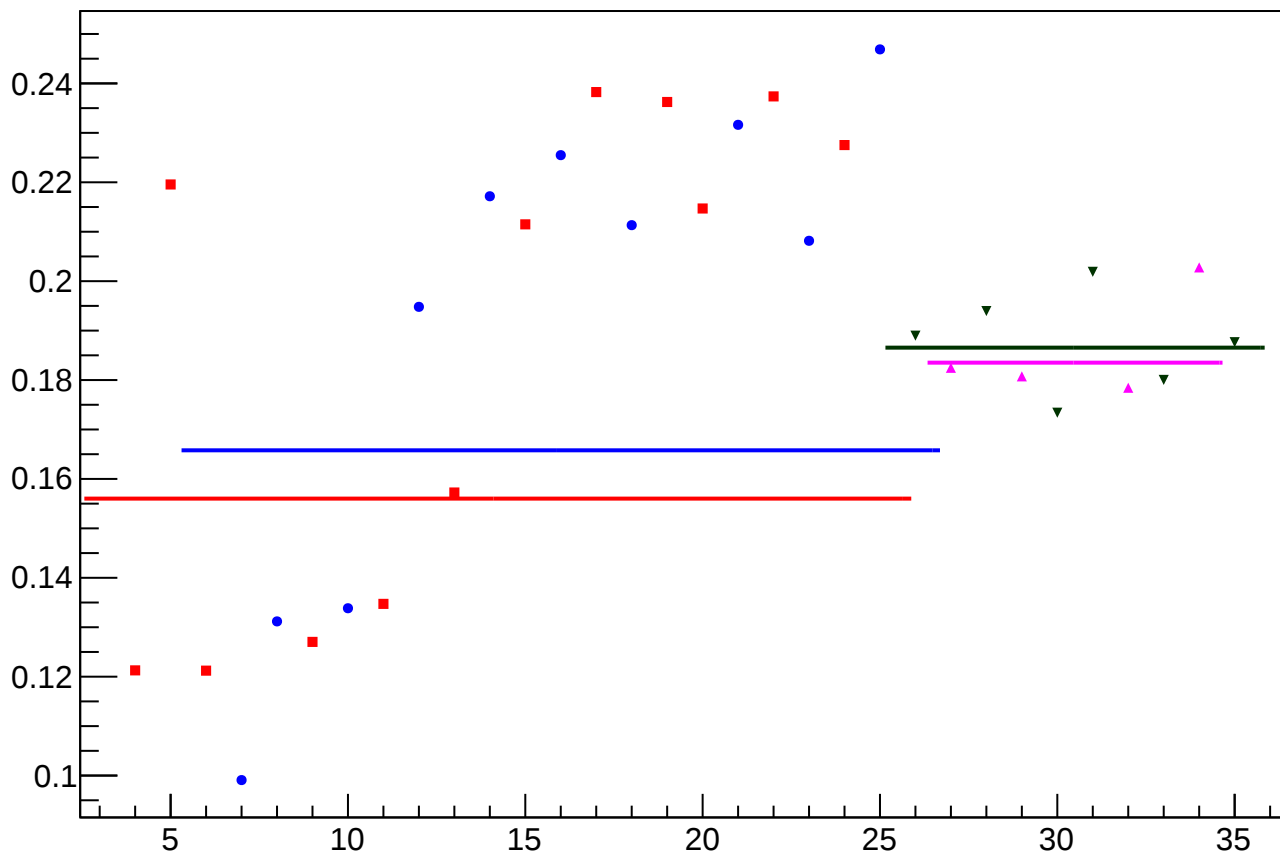
Left Out: 69.652+/-0.000 χ^2/NDF : 13840642.9/5

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

60.652+/-0.000 χ^2/NDF : 33753188423.7/15

Left In: 68.831+/-0.000 χ^2/NDF : 281938660.4/3

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

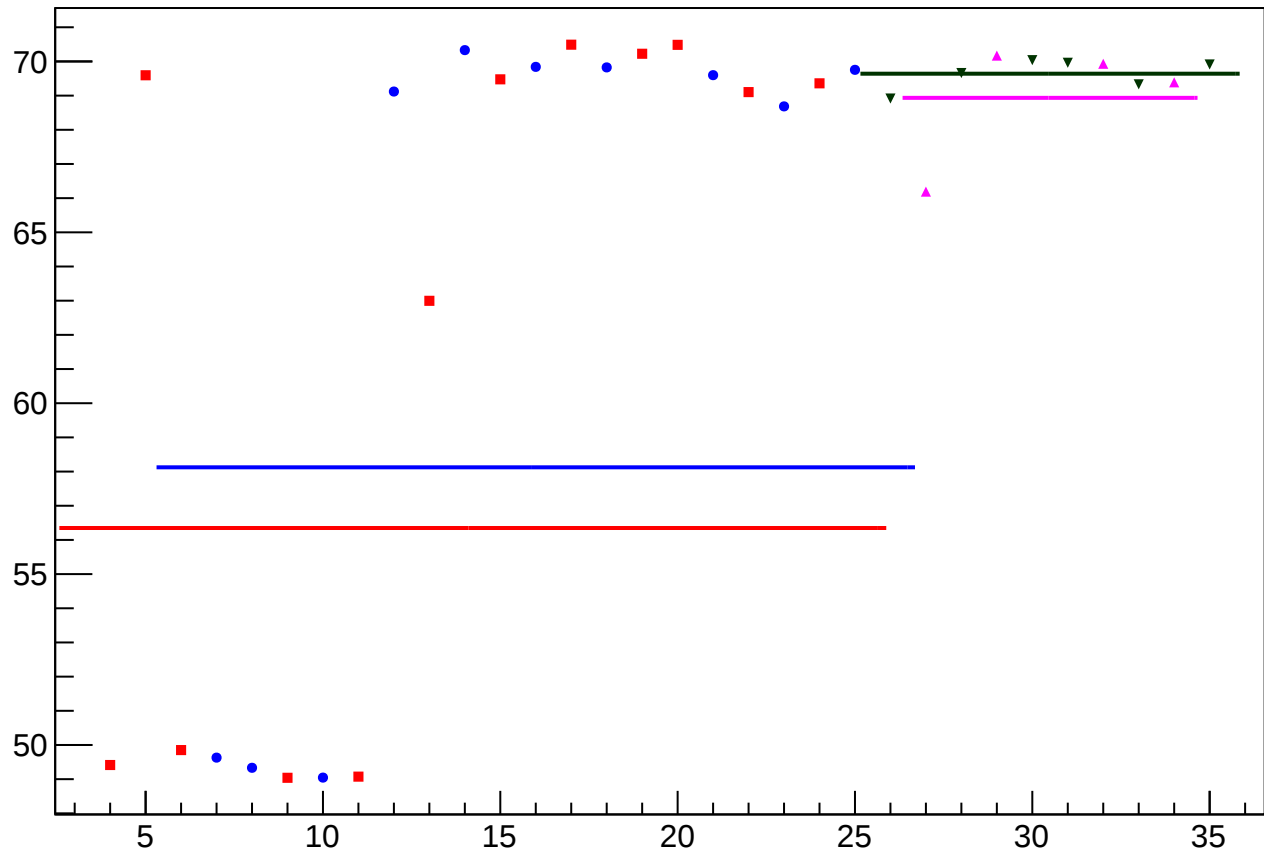
Right Out: 0.156+/-0.000 χ^2/NDF : 828596.5/11

Left In: 0.184+/-0.000 χ^2/NDF :10715.1/3

0.172+/-0.000 χ^2/NDF : 979569.8/15

0.164+/-0.000 χ^2/NDF : 935224.6/15

yield_bcm_dg_ds_mean vs slug



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

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

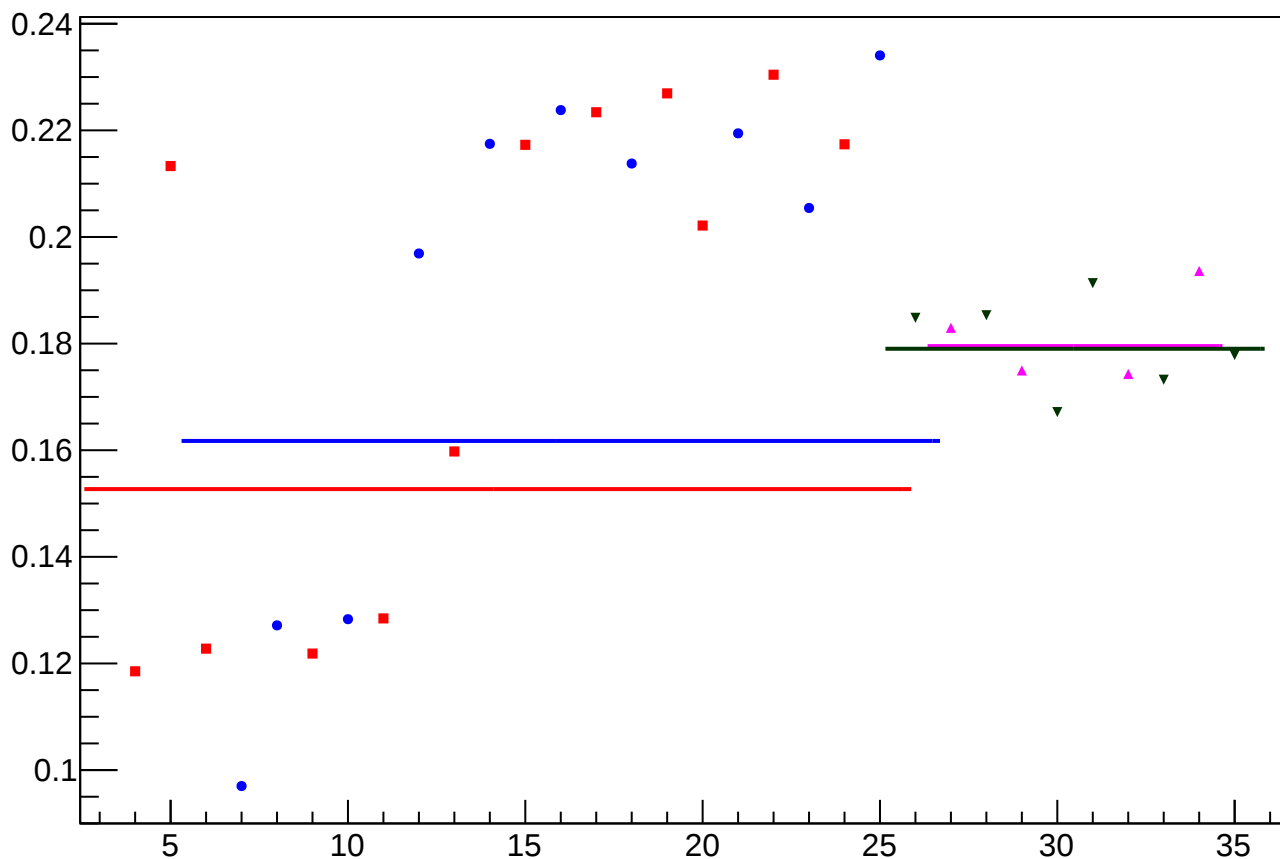
Left Out: 69.641+/-0.000 χ^2/NDF : 13947151.7/5

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

59.863+/-0.000 χ^2/NDF : 30534883890.2/15

Left In: 68.935+/-0.000 χ^2/NDF : 254133895.6/3

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

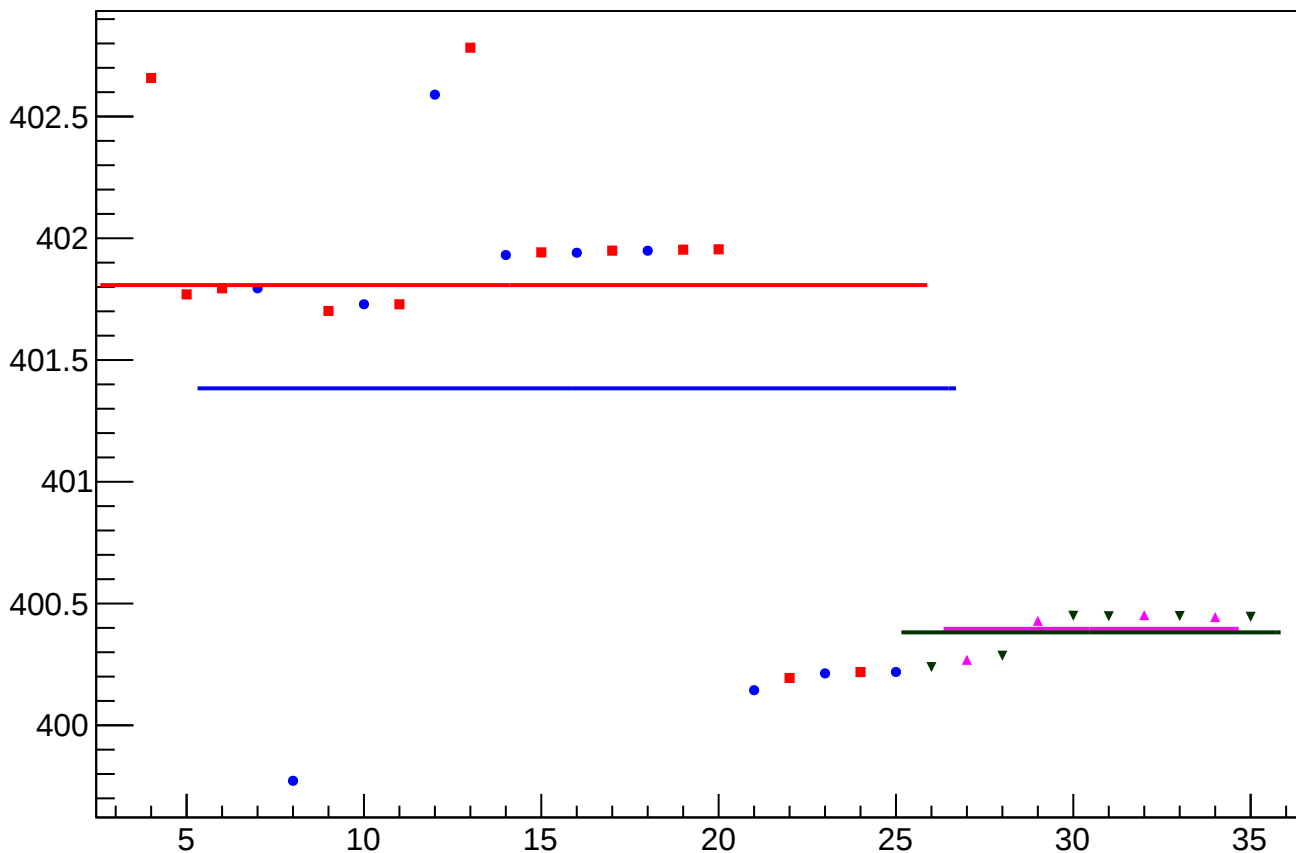
Right Out: 0.153+/-0.000 χ^2/NDF : 810658.6/11

Left In: 0.180+/-0.000 χ^2/NDF :8429.7/3

0.167+/-0.000 χ^2/NDF : 1023482.6/15

0.160+/-0.000 χ^2/NDF : 914663.0/15

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

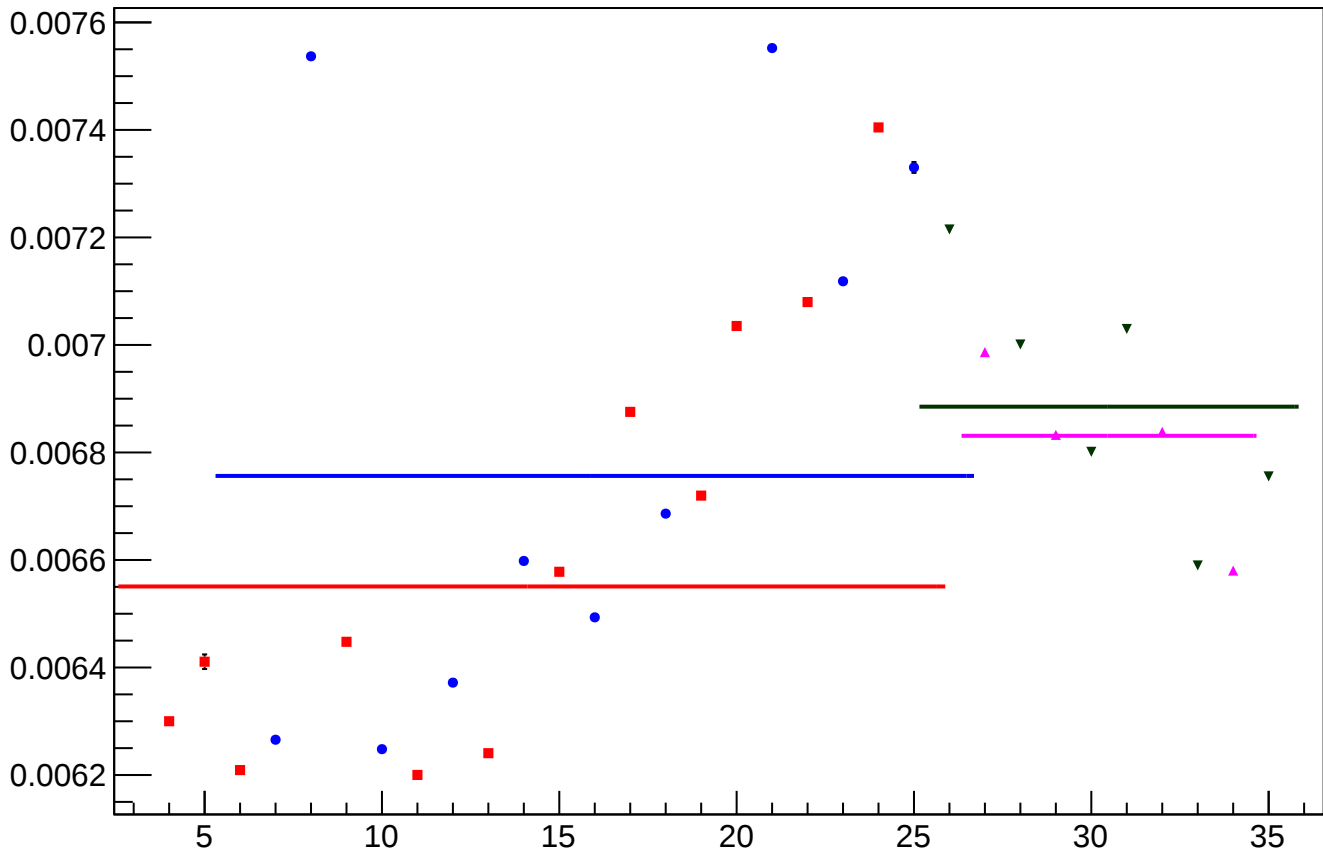
Right Out: 401.808+/-0.000 χ^2/NDF : 85007940378.6/11

Left In: 400.396+/-0.000 χ^2/NDF : 391100468.3/3

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

401.372+/-0.000 χ^2/NDF : 176835525073.3/15

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

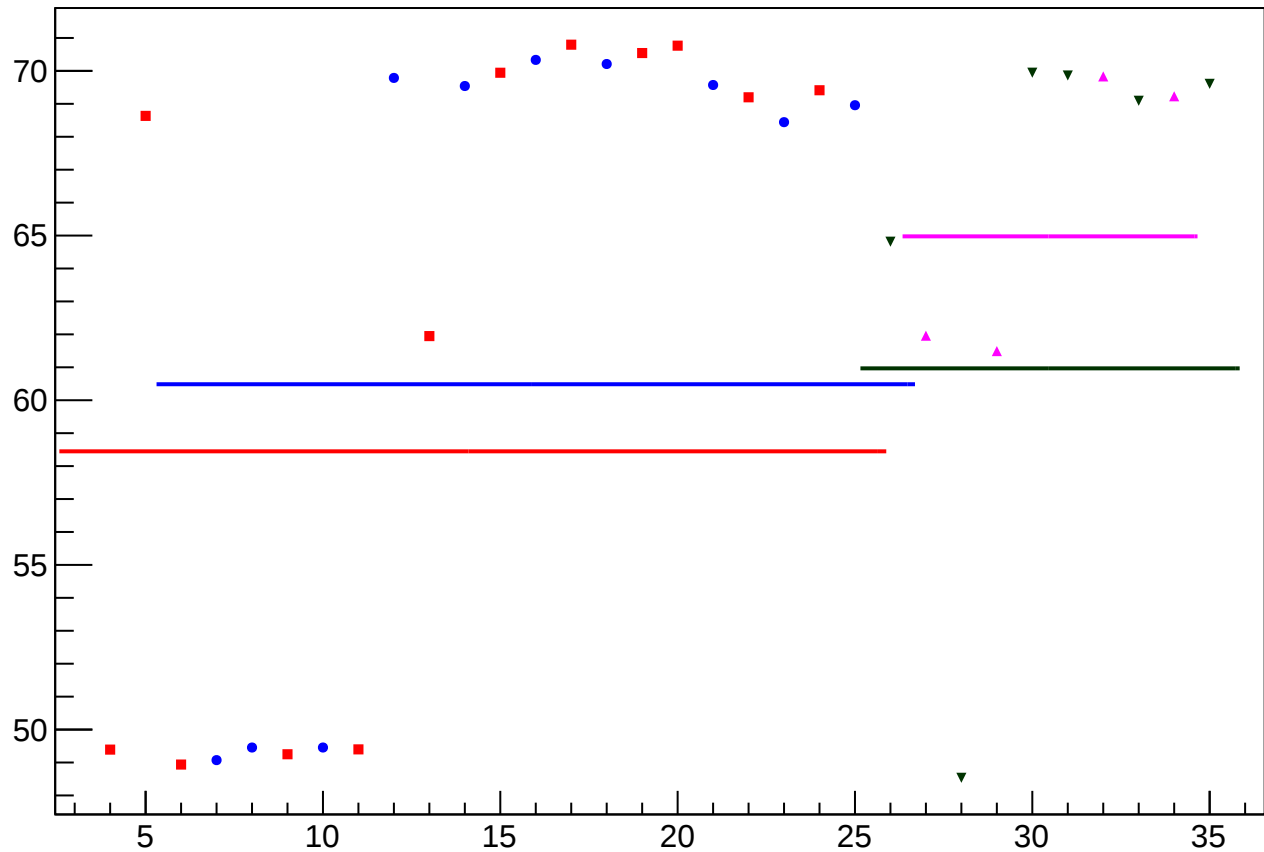
Right Out: 0.007+/-0.000 χ^2/NDF : 42109.3/11

Left In: 0.007+/-0.000 χ^2/NDF :2307.5/3

0.007+/-0.000 χ^2/NDF : 69881.3/15

0.007+/-0.000 χ^2/NDF : 51627.5/15

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

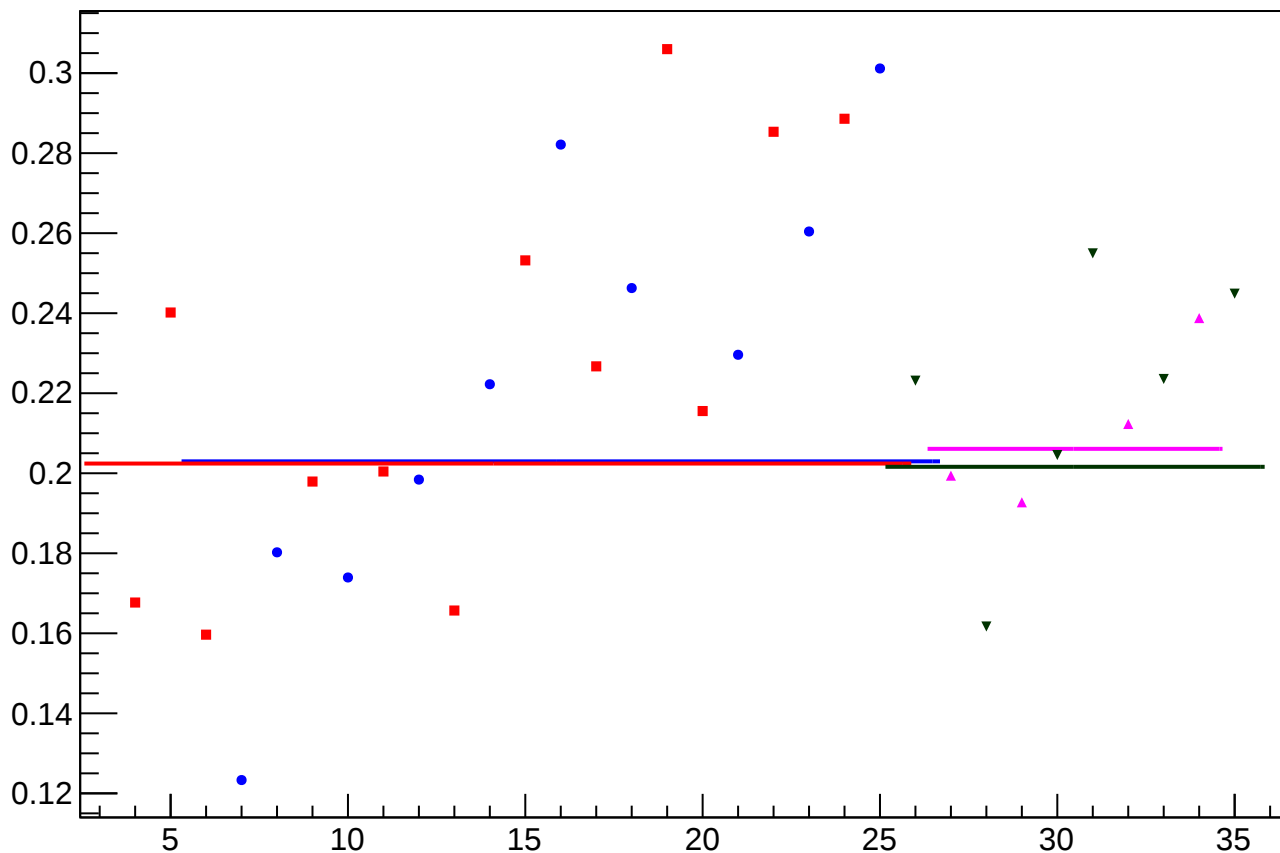
Right Out: 58.449+/-0.000 χ^2/NDF : 11367122273.9/11

Left In: 64.976+/-0.000 χ^2/NDF : 991179344.0/3

60.646+/-0.000 χ^2/NDF : 20578615309.5/15

60.631+/-0.000 χ^2/NDF : 14201185322.3/15

yield_cav4cQ_rms vs slug



Right In: 0.203 $\pm$ 0.000 χ^2 /NDF: 509389.5/9

Left Out: 0.202 $\pm$ 0.000 χ^2 /NDF:157944.2/5

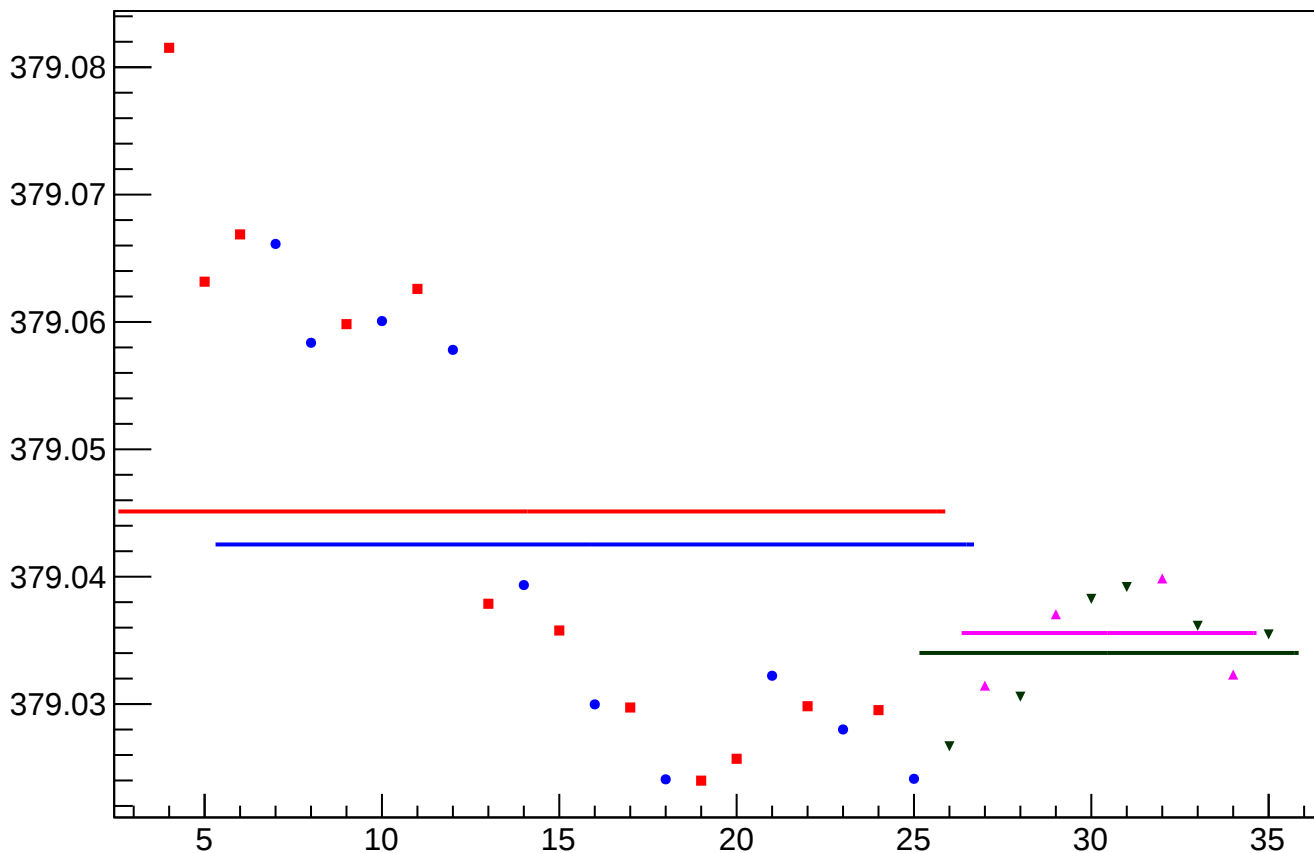
Right Out: 0.202 $\pm$ 0.000 χ^2 /NDF: 477643.7/11

Left In: 0.206 $\pm$ 0.000 χ^2 /NDF:27827.2/3

0.203 $\pm$ 0.000 χ^2 /NDF: 667502.2/15

0.204 $\pm$ 0.000 χ^2 /NDF: 506640.2/15

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

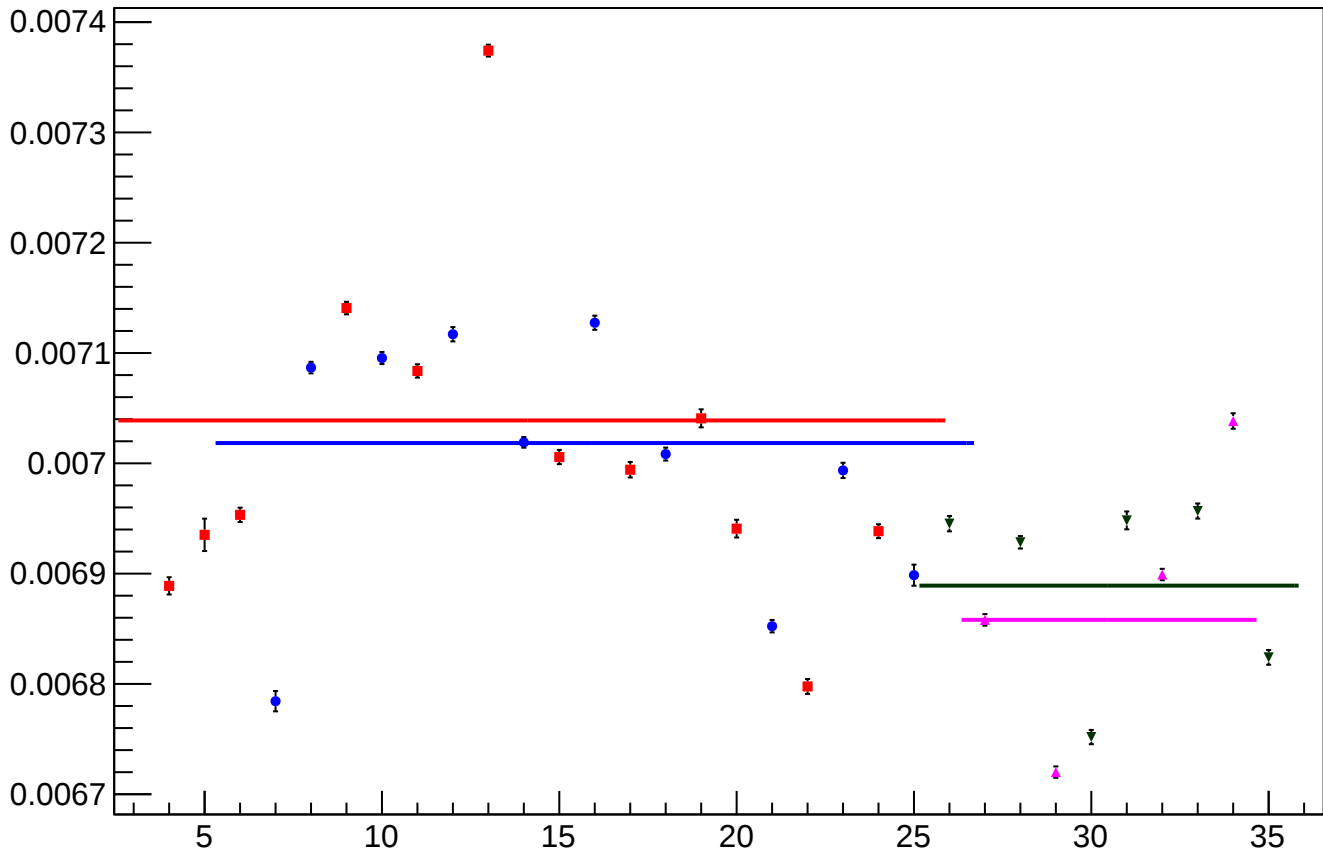
Right Out: 379.045+/-0.000 χ^2/NDF : 40922945.0/11

Left In: 379.036+/-0.000 χ^2/NDF :805562.7/3

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

379.042+/-0.000 χ^2/NDF : 45709941.9/15

yield_cav4dQ_rms vs slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 2564.7/9

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:806.6/5

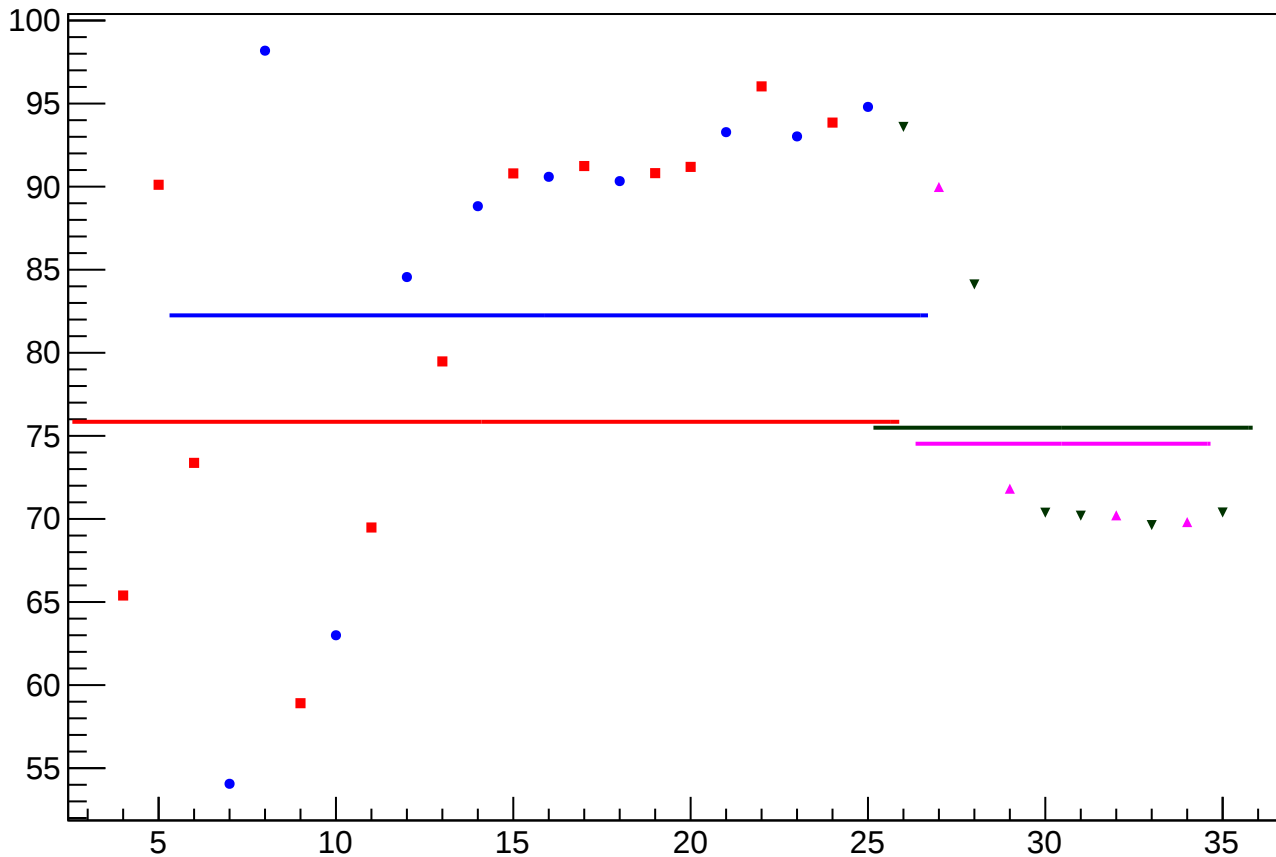
Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 6581.5/11

Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:1438.7/3

0.007 $\pm$ 0.000 χ^2 /NDF: 4857.4/15

0.007 $\pm$ 0.000 χ^2 /NDF: 10877.4/15

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

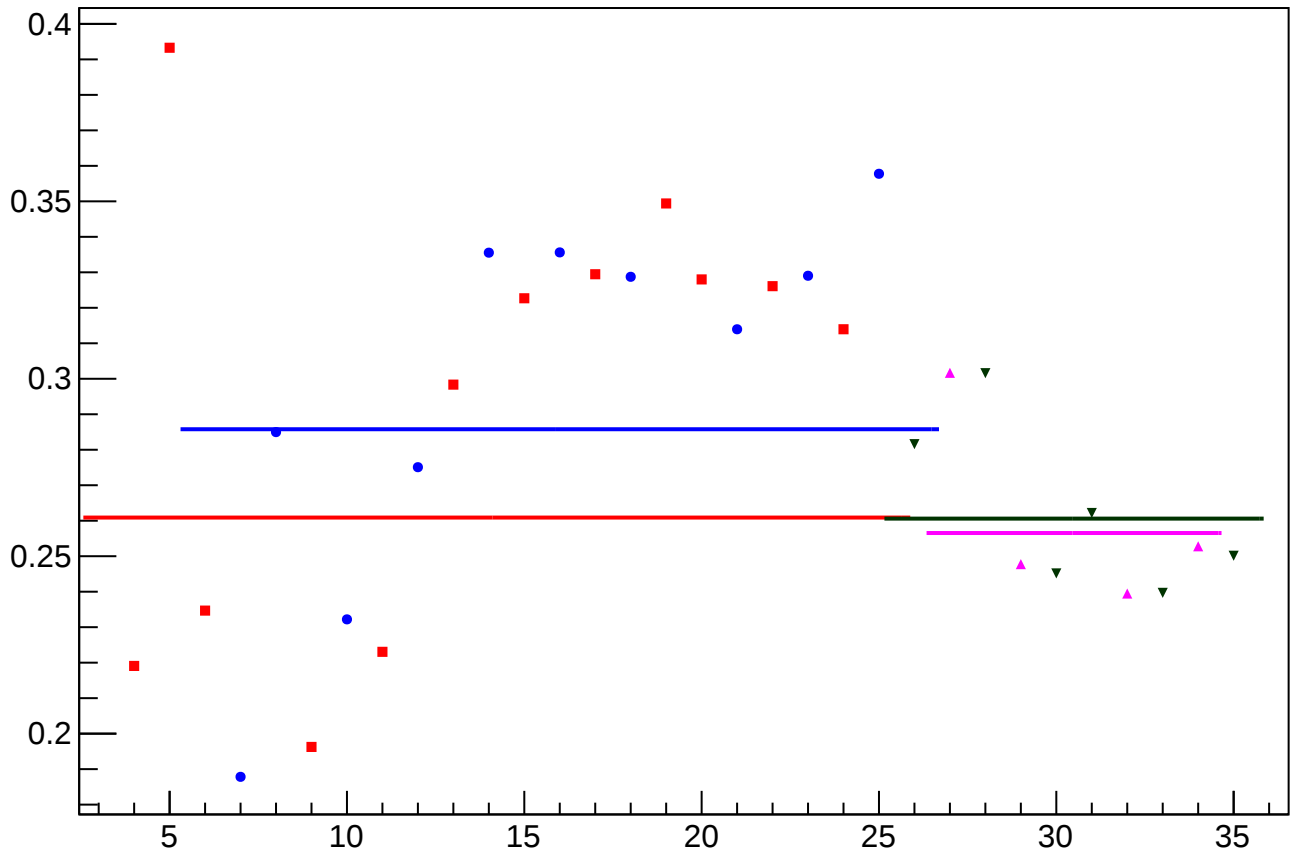
Right Out: 75.847+/-0.000 χ^2/NDF : 13482783083.5/11

Left In: 74.527+/-0.000 χ^2/NDF : 2576108743.8/3

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

75.379+/-0.000 χ^2/NDF : 16107651461.4/15

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

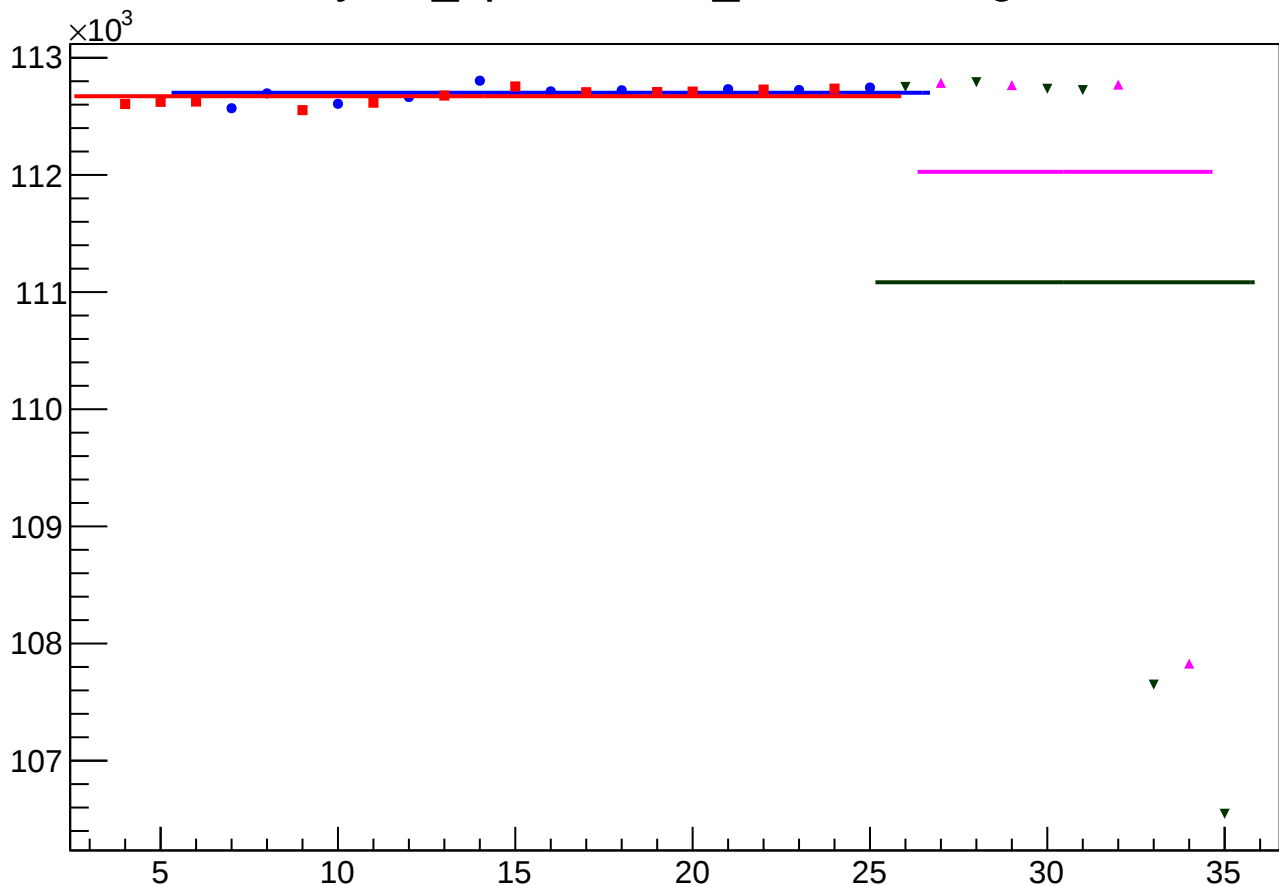
0.276+/-0.000 χ^2/NDF : 416539.5/15

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

0.259+/-0.000 χ^2/NDF : 528103.6/15

Left In: 0.257+/-0.000 χ^2/NDF : 45521.8/3

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

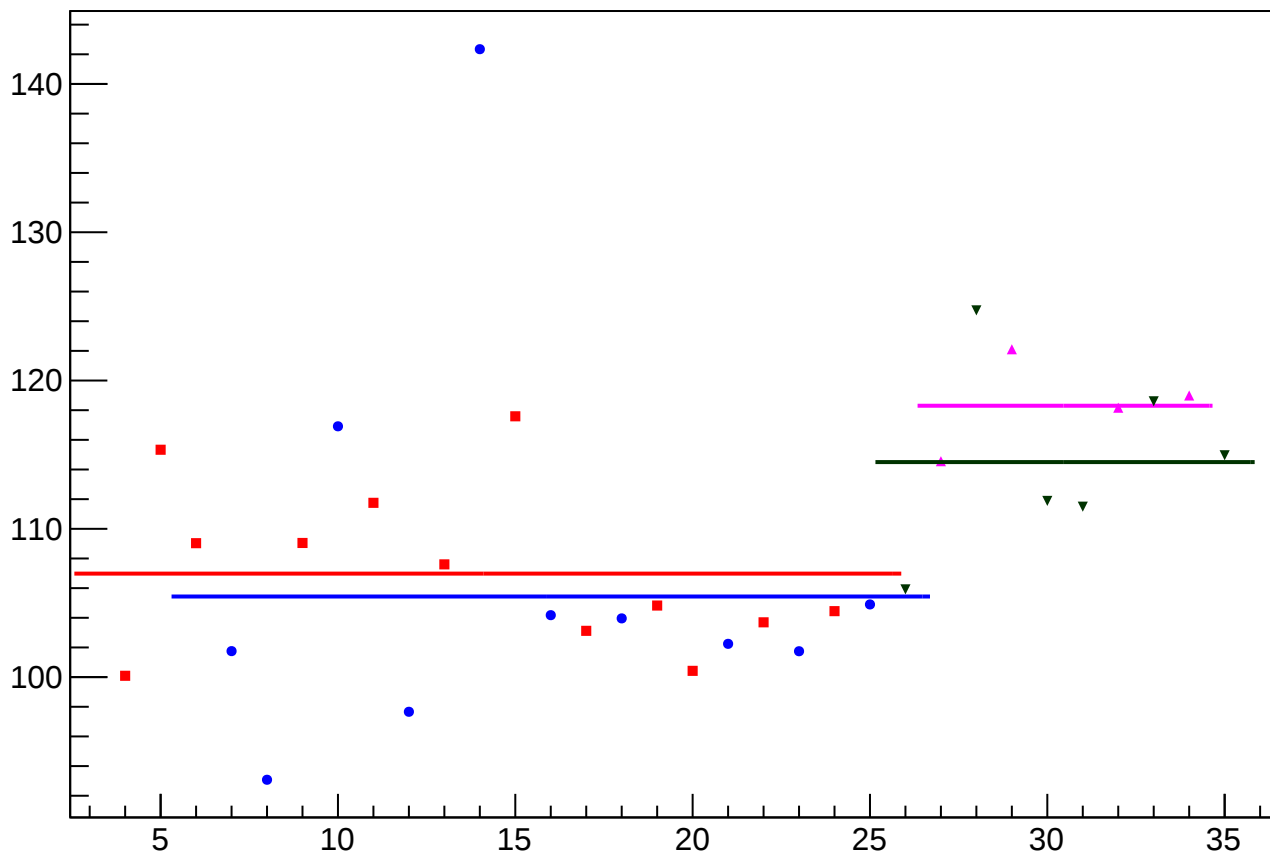
Right Out: 112671.936 $\pm$ 0.043 χ^2 /NDF: 2021453.7/11

Left In: 112026.582 $\pm$ 0.070 χ^2 /NDF: 647504232.9/3

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

112491.300 $\pm$ 0.037 χ^2 /NDF: 711327337.0/15

yield_bpm2i01WS_rms vs slug



Right In: 105.436+/-0.030 χ^2/NDF : 188338.4/9

Left Out: 114.501+/-0.048 χ^2/NDF : 17186.0/5

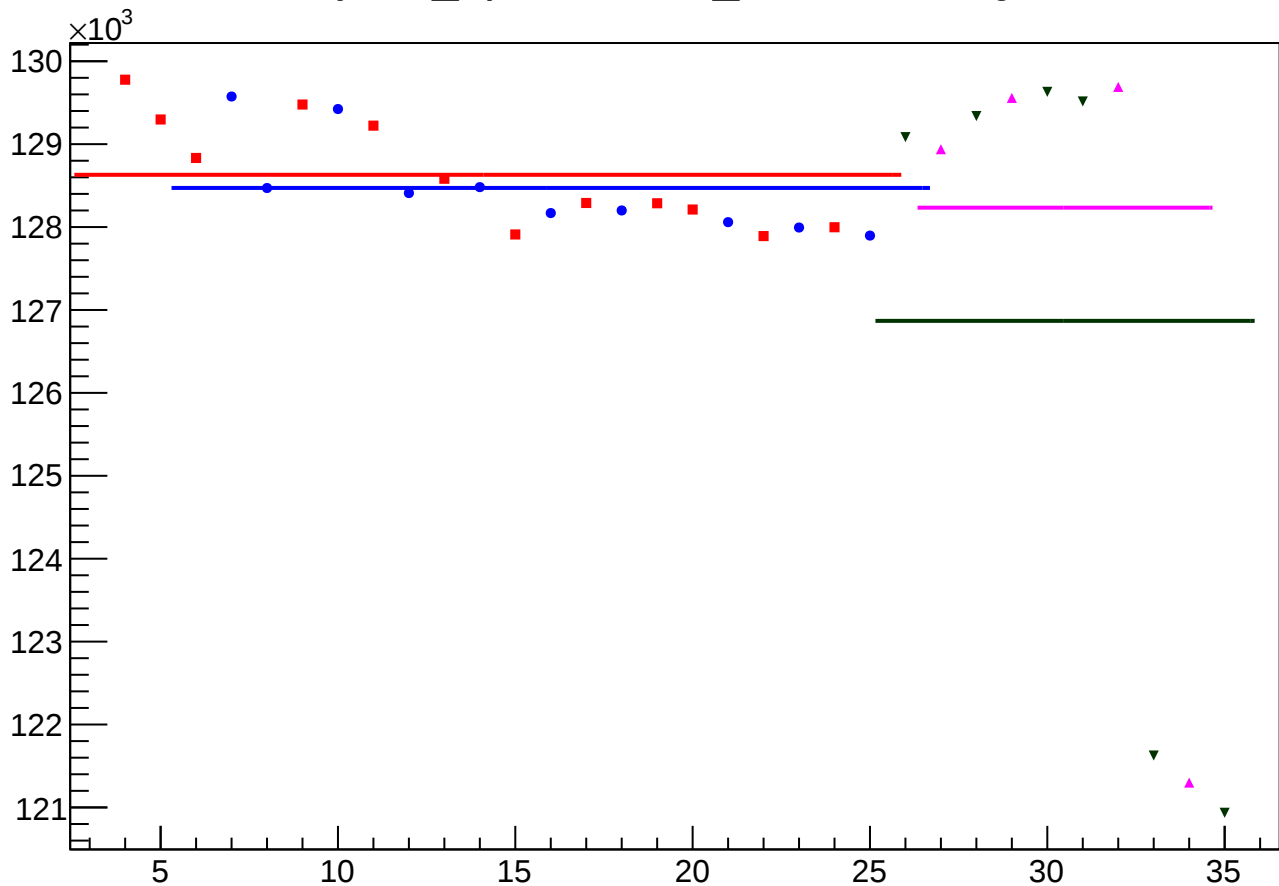
Right Out: 106.980+/-0.031 χ^2/NDF : 22698.2/11

Left In: 118.301+/-0.049 χ^2/NDF : 3263.9/3

108.018+/-0.025 χ^2/NDF : 231480.8/15

110.148+/-0.026 χ^2/NDF : 63998.6/15

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

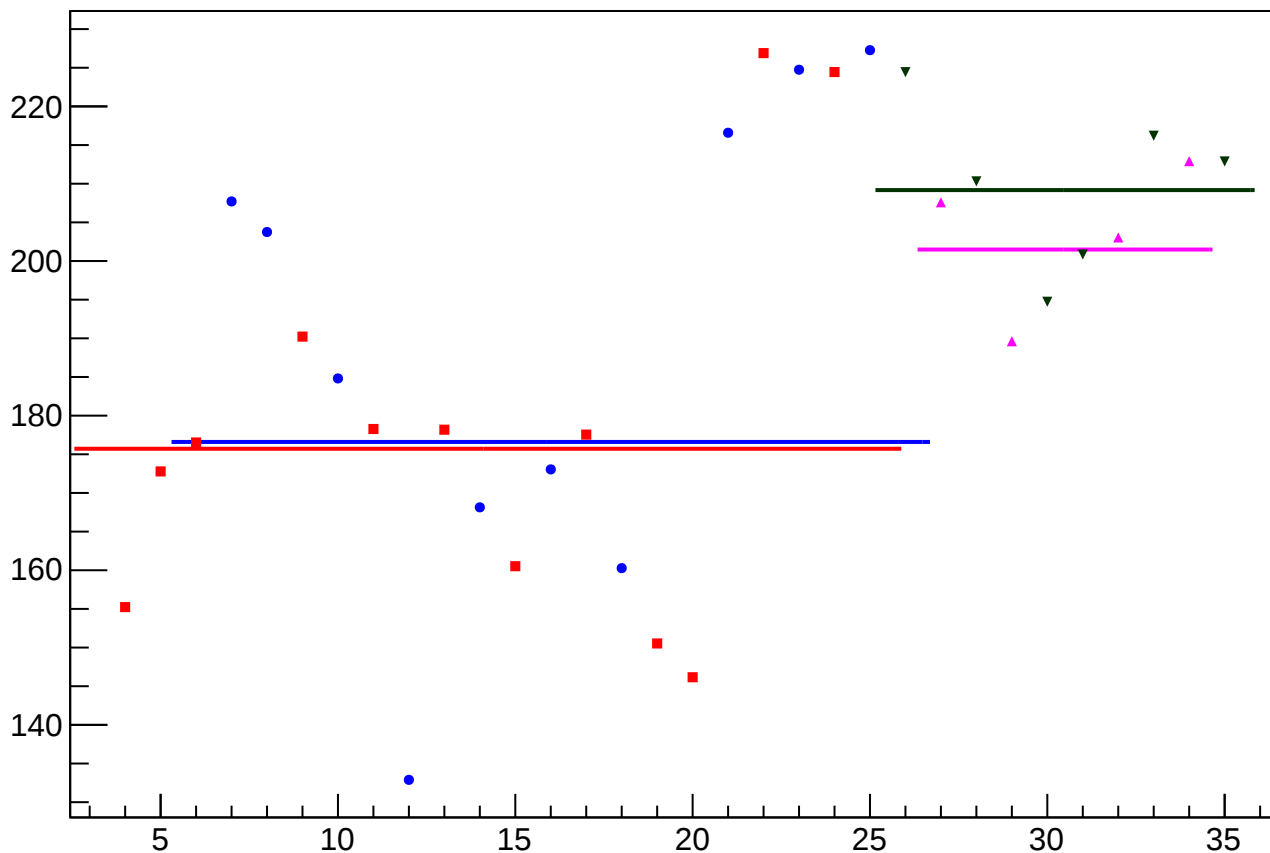
Right Out: 128630.323 $\pm$ 0.071 χ^2 /NDF: 69976766.8/11

Left In: 128233.870 $\pm$ 0.115 χ^2 /NDF: 628914765.6/3

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

128520.403 $\pm$ 0.060 χ^2 /NDF: 707519479.6/15

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

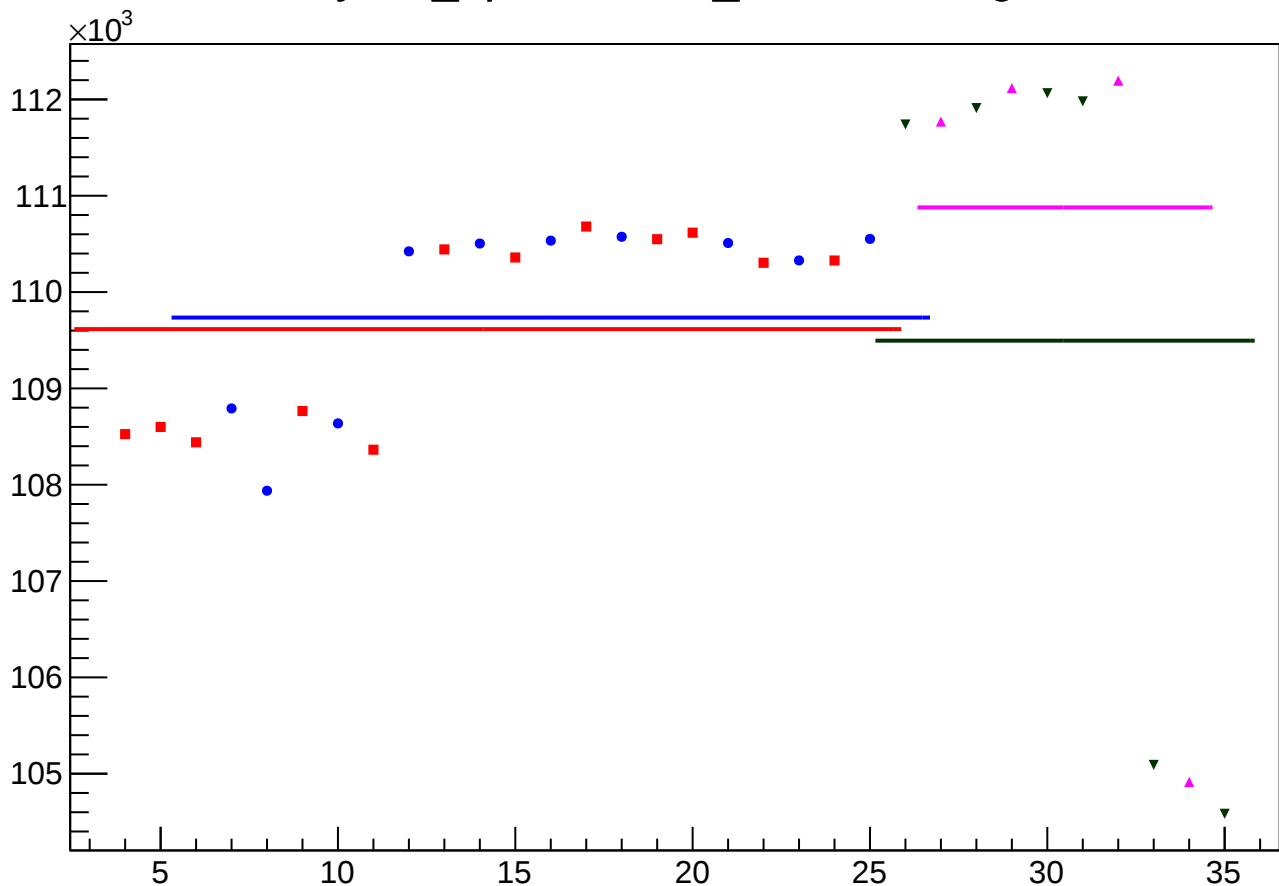
Right Out: 175.718 $\pm$ 0.050 χ^2 /NDF: 188443.6/11

Left In: 201.486 $\pm$ 0.081 χ^2 /NDF:11106.0/3

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

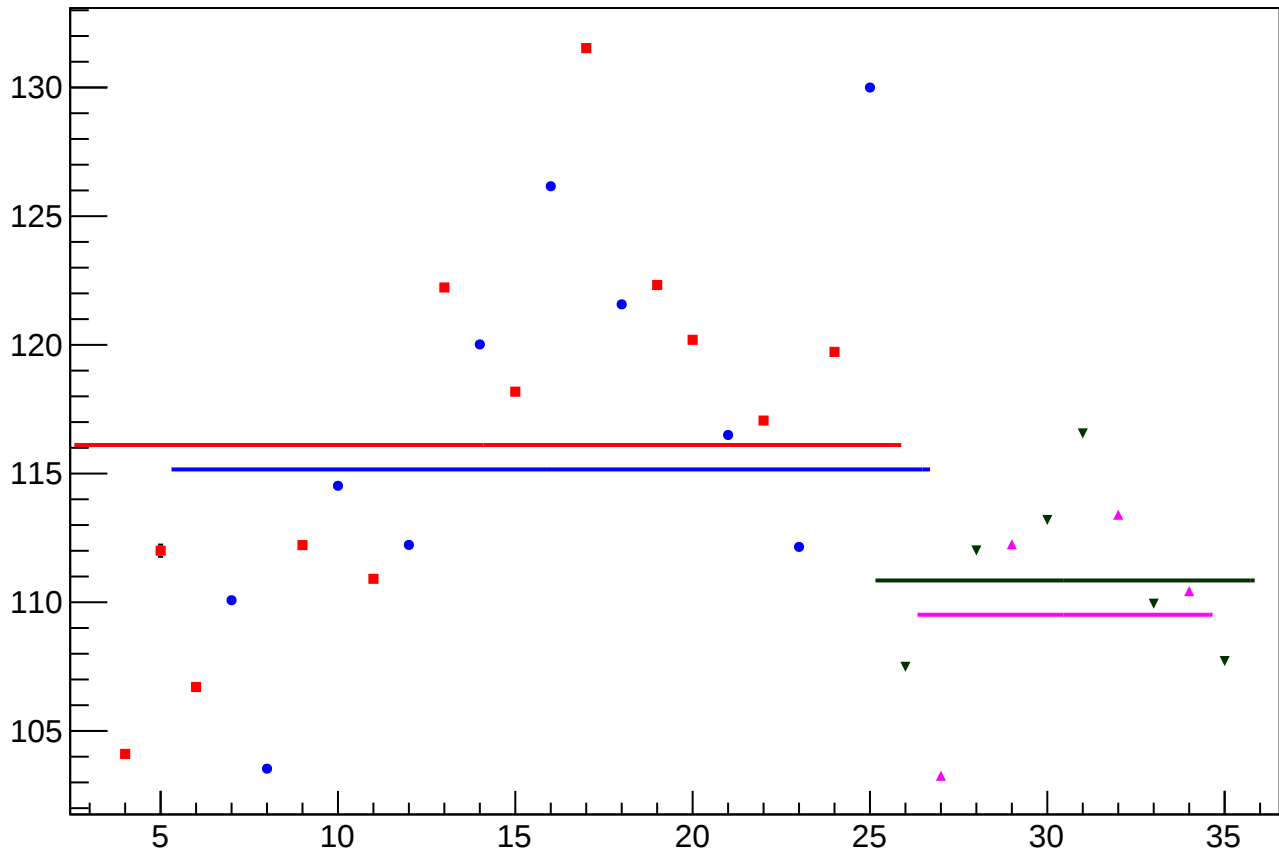
182.863 $\pm$ 0.043 χ^2 /NDF: 272447.4/15

yield_bpm0l01WS_mean vs slug



Right In: 109735.295 $\pm$ 0.046 χ^2/NDF : 537097563.8/9
 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
 Left In: 110878.837 $\pm$ 0.062 χ^2/NDF : 1746531503.7/3

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

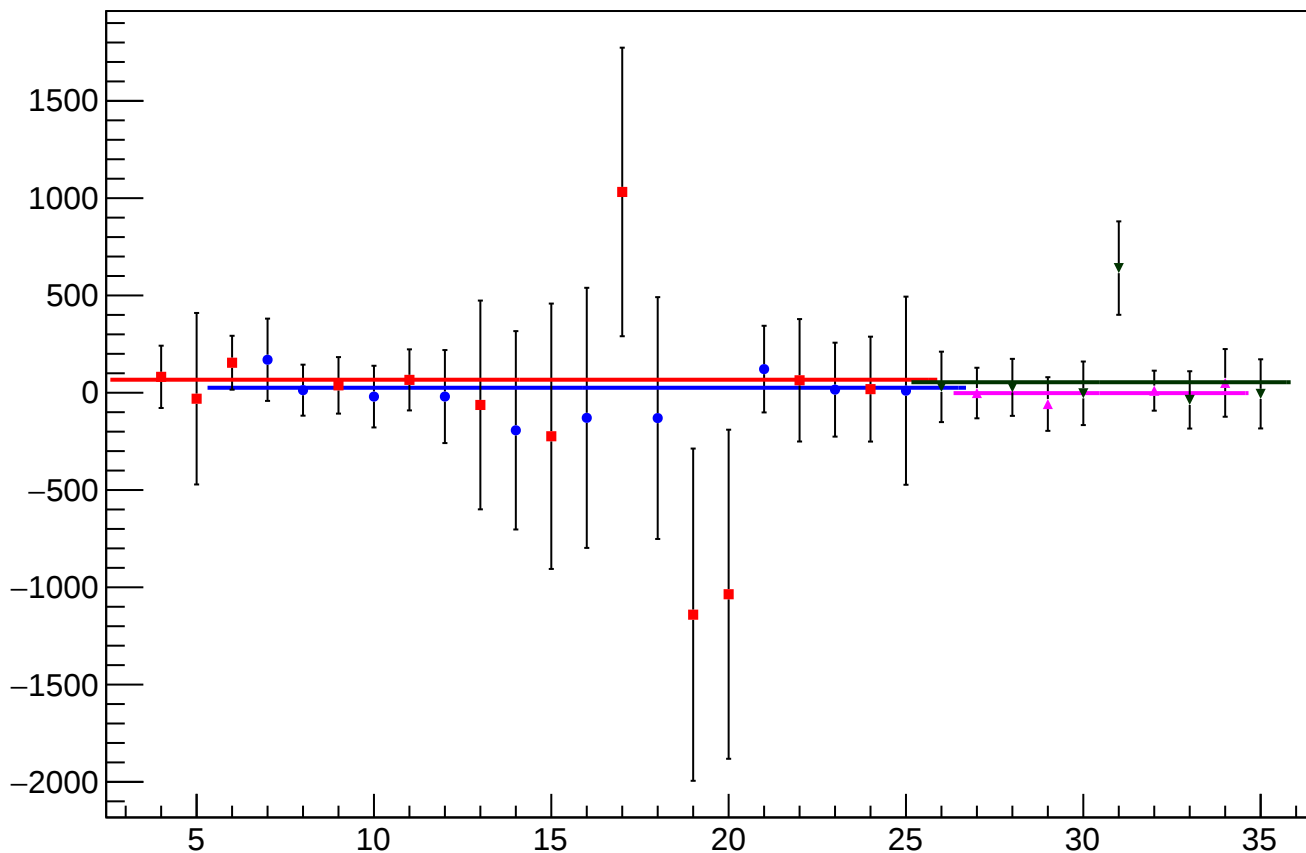
Right Out: 116.109 $\pm$ 0.033 χ^2 /NDF: 44081.8/11

Left In: 109.515 $\pm$ 0.044 χ^2 /NDF: 9333.0/3

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

113.741 $\pm$ 0.026 χ^2 /NDF: 67709.5/15

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

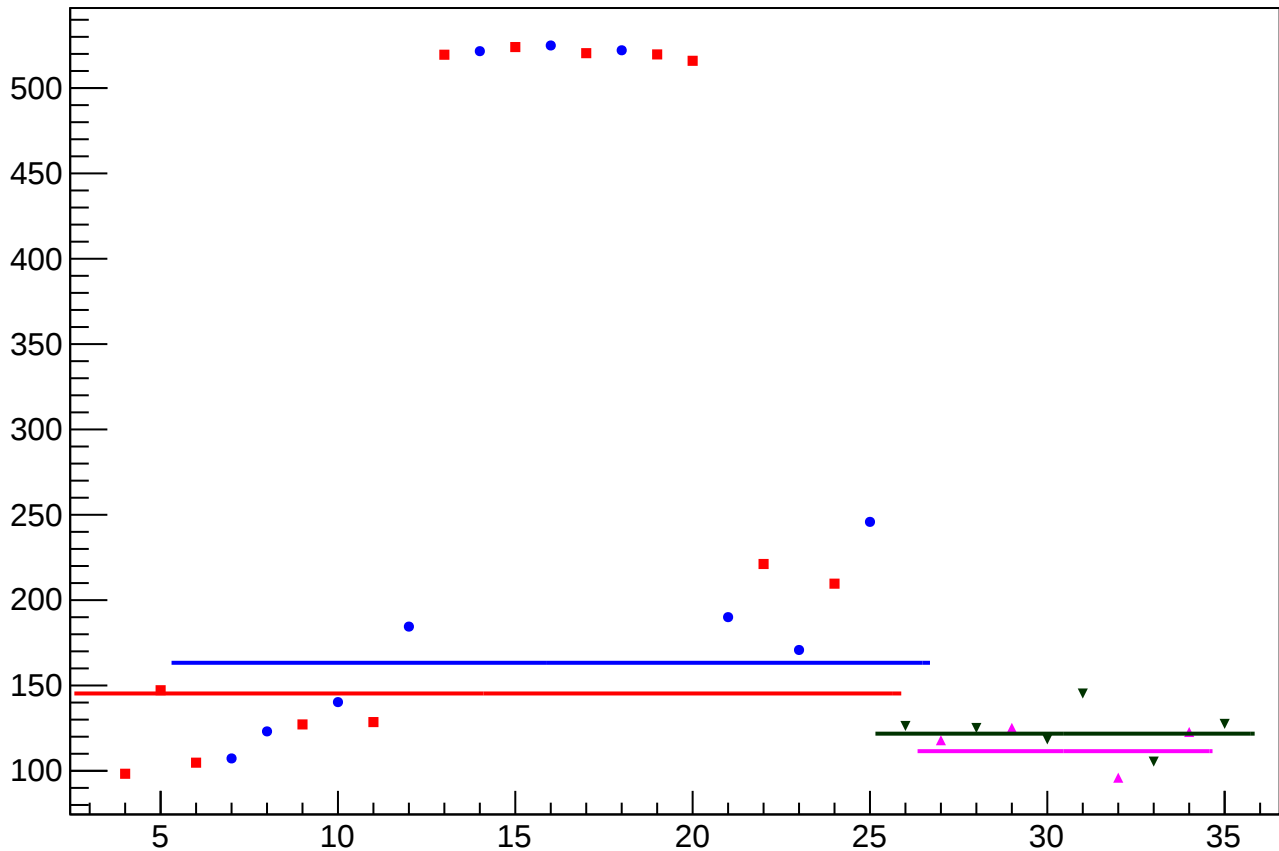
Right Out: 66.920+/-67.669 χ^2/NDF : 6.2/11

Left In: -1.951+/-64.620 χ^2/NDF : 0.3/3

40.580+/-50.134 χ^2/NDF : 7.8/15

30.899+/-46.734 χ^2/NDF : 7.0/15

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

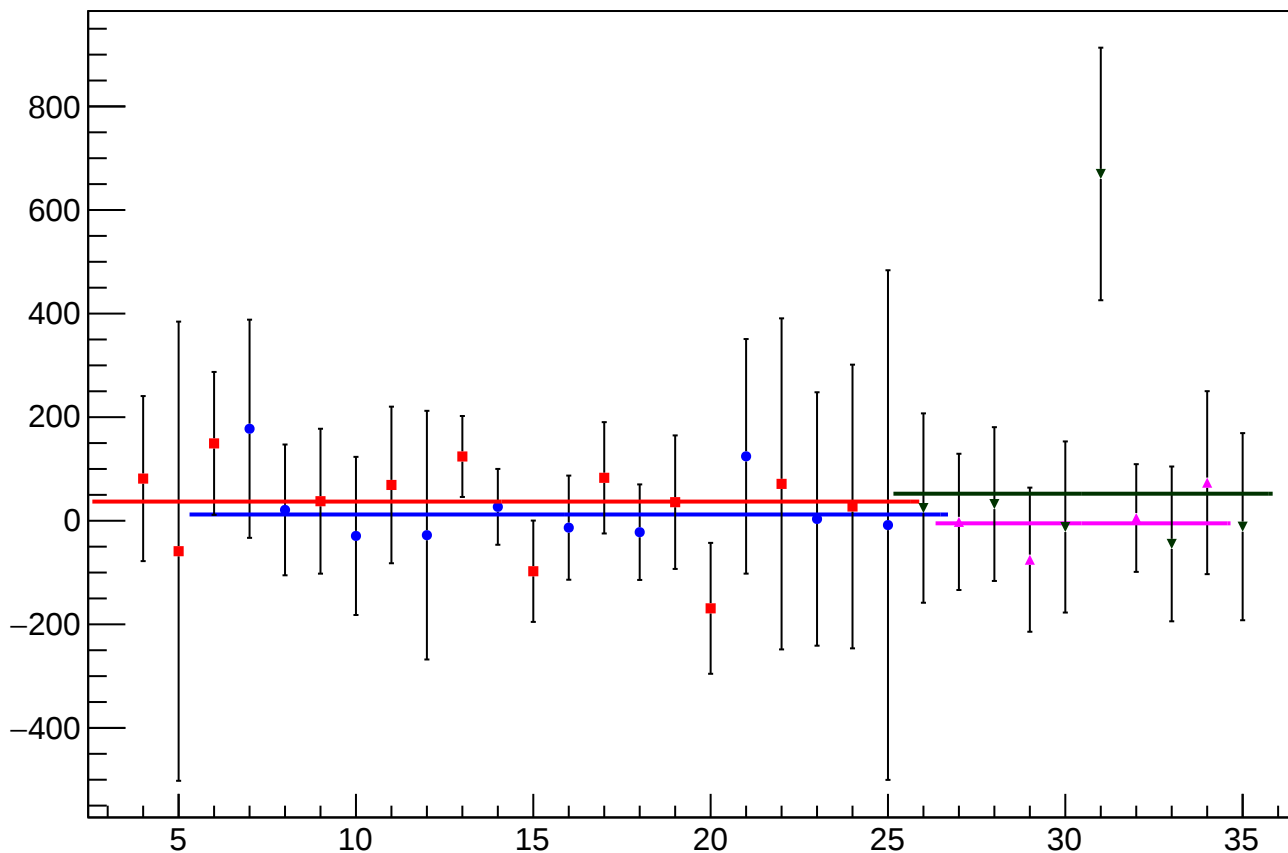
141.416+/-0.035 χ^2/NDF : 3107021.0/15

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

127.643+/-0.033 χ^2/NDF : 3837806.8/15

Left In: 111.523+/-0.046 χ^2/NDF : 78476.2/3

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

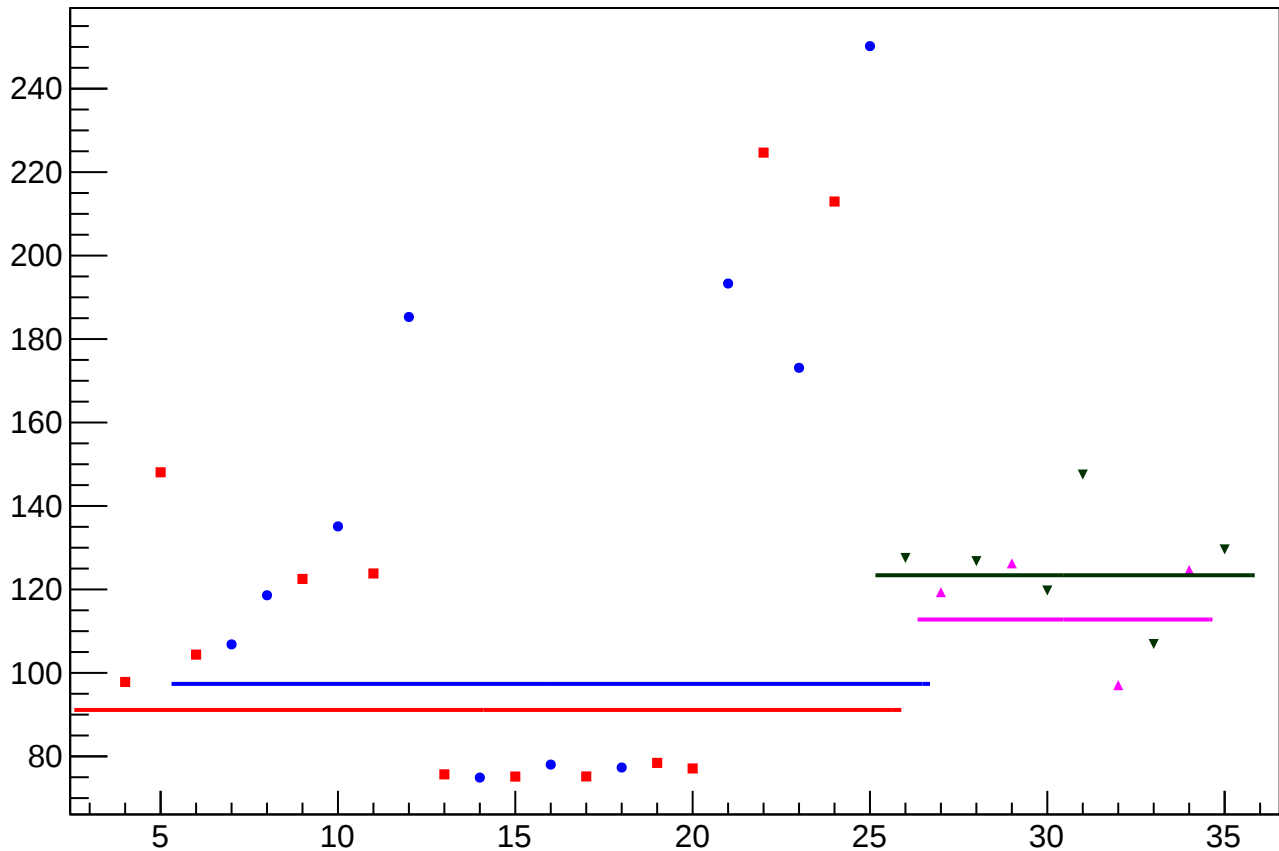
Right Out: 37.031 $\pm$ 38.001 χ^2 /NDF: 6.8/11

Left In: -4.967 $\pm$ 65.372 χ^2 /NDF: 0.5/3

22.432 $\pm$ 35.510 χ^2 /NDF: 8.6/15

26.423 $\pm$ 32.854 χ^2 /NDF: 7.6/15

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

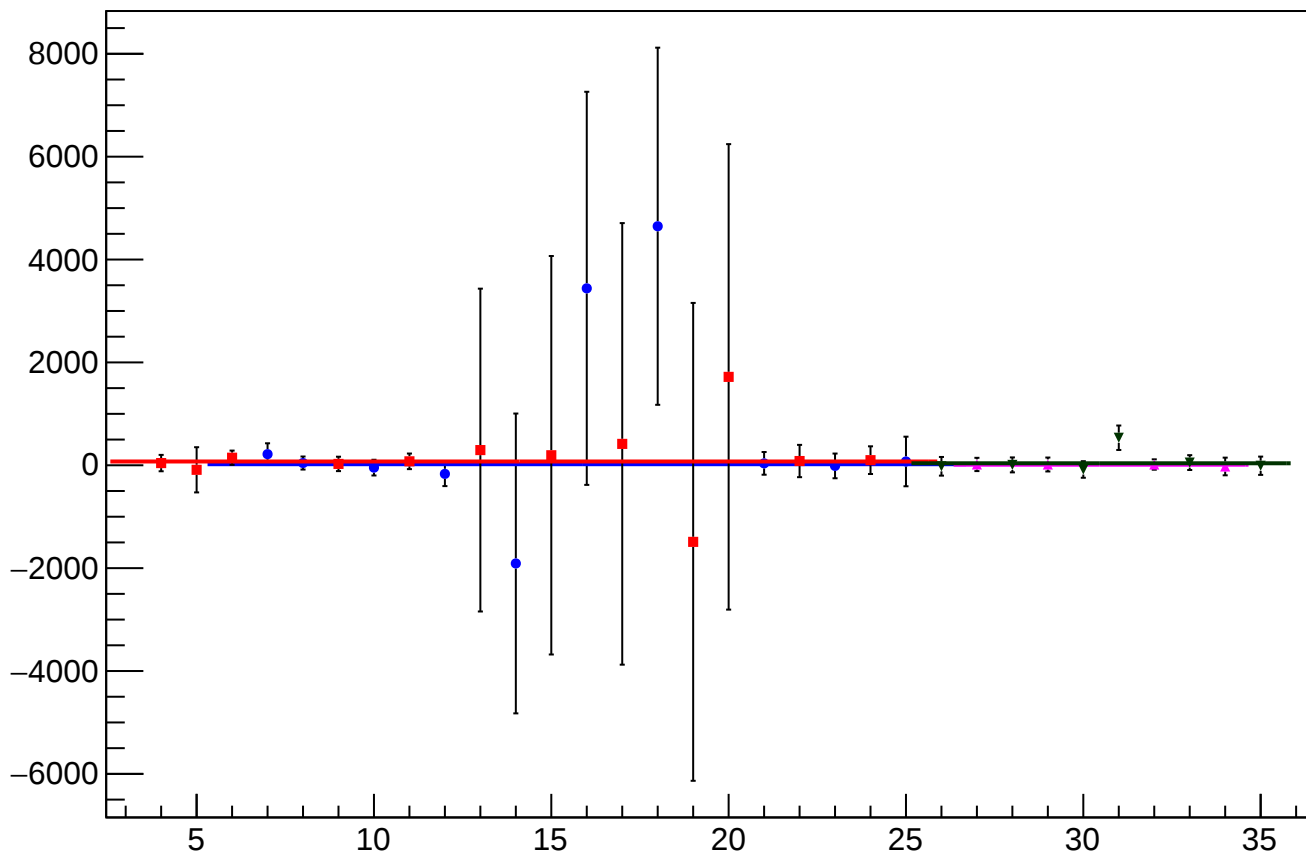
104.069+/-0.025 χ^2/NDF : 1805913.3/15

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

96.598+/-0.023 χ^2/NDF : 1456153.3/15

Left In: 112.792+/-0.046 χ^2/NDF : 78416.9/3

asym_bcm_an_us_mean vs slug



Right In: 20.924+/-72.964 χ^2/NDF : 4.8/9

Left Out: 38.917+/-68.410 χ^2/NDF : 5.2/5

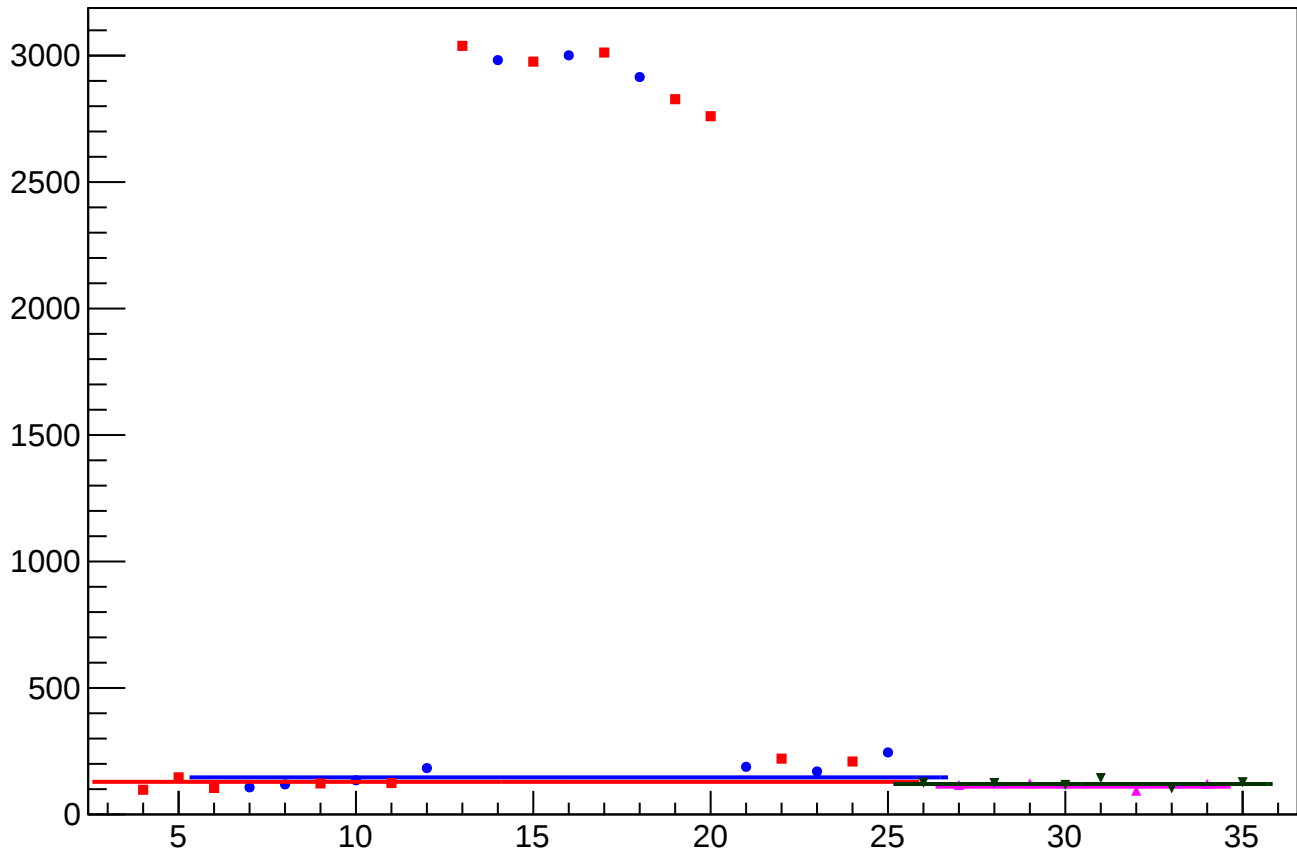
Right Out: 73.751+/-68.100 χ^2/NDF : 0.8/11

Left In: 10.011+/-63.603 χ^2/NDF : 0.0/3

30.499+/-49.905 χ^2/NDF : 9.9/15

39.707+/-46.483 χ^2/NDF : 1.3/15

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

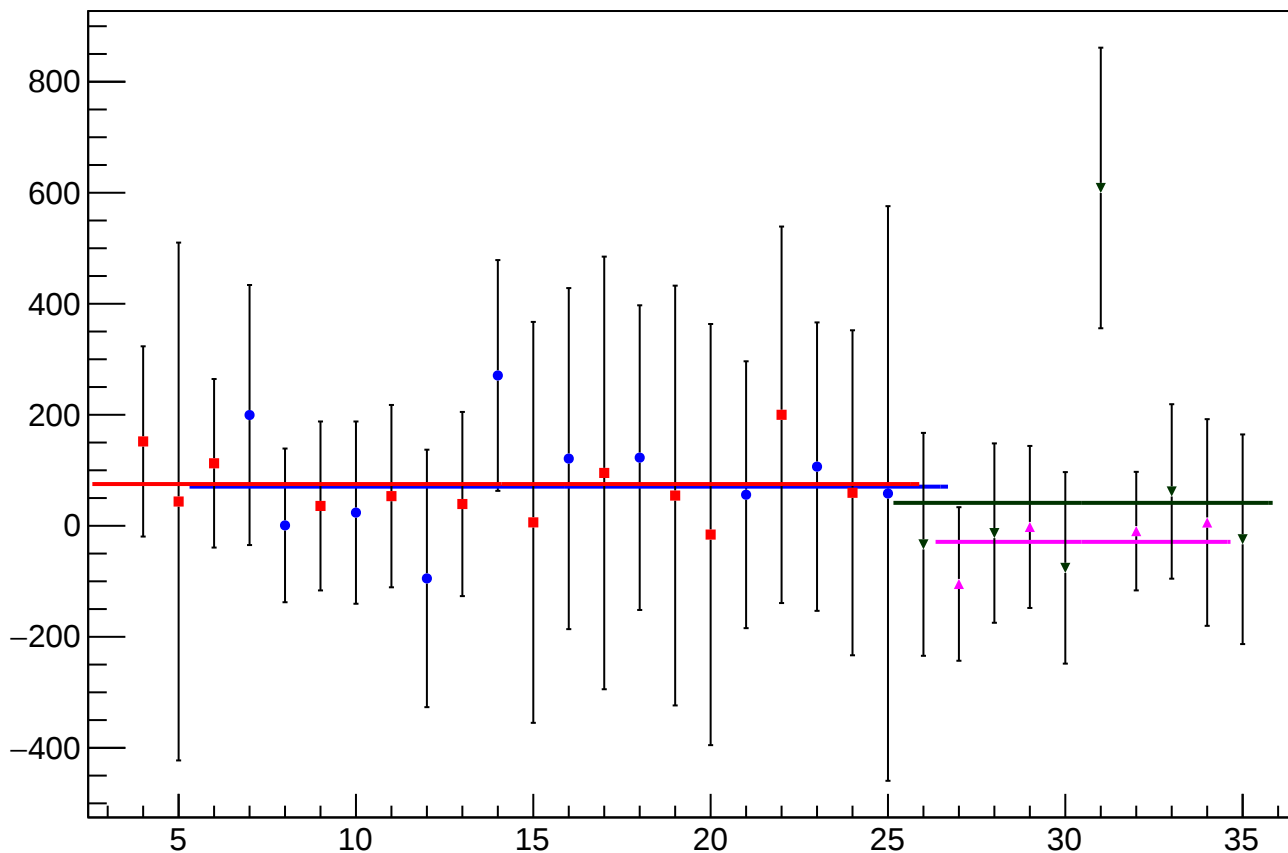
Right Out: 128.952 $\pm$ 0.048 χ^2 /NDF: 5549811.0/11

Left In: 109.685 $\pm$ 0.045 χ^2 /NDF: 81879.0/3

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

118.662 $\pm$ 0.033 χ^2 /NDF: 5717191.3/15

asym_bcm_dg_us_mean vs slug



Right In: 70.544 $\pm$ 69.178 χ^2 /NDF: 2.2/9

Left Out: 41.339 $\pm$ 74.352 χ^2 /NDF: 5.9/5

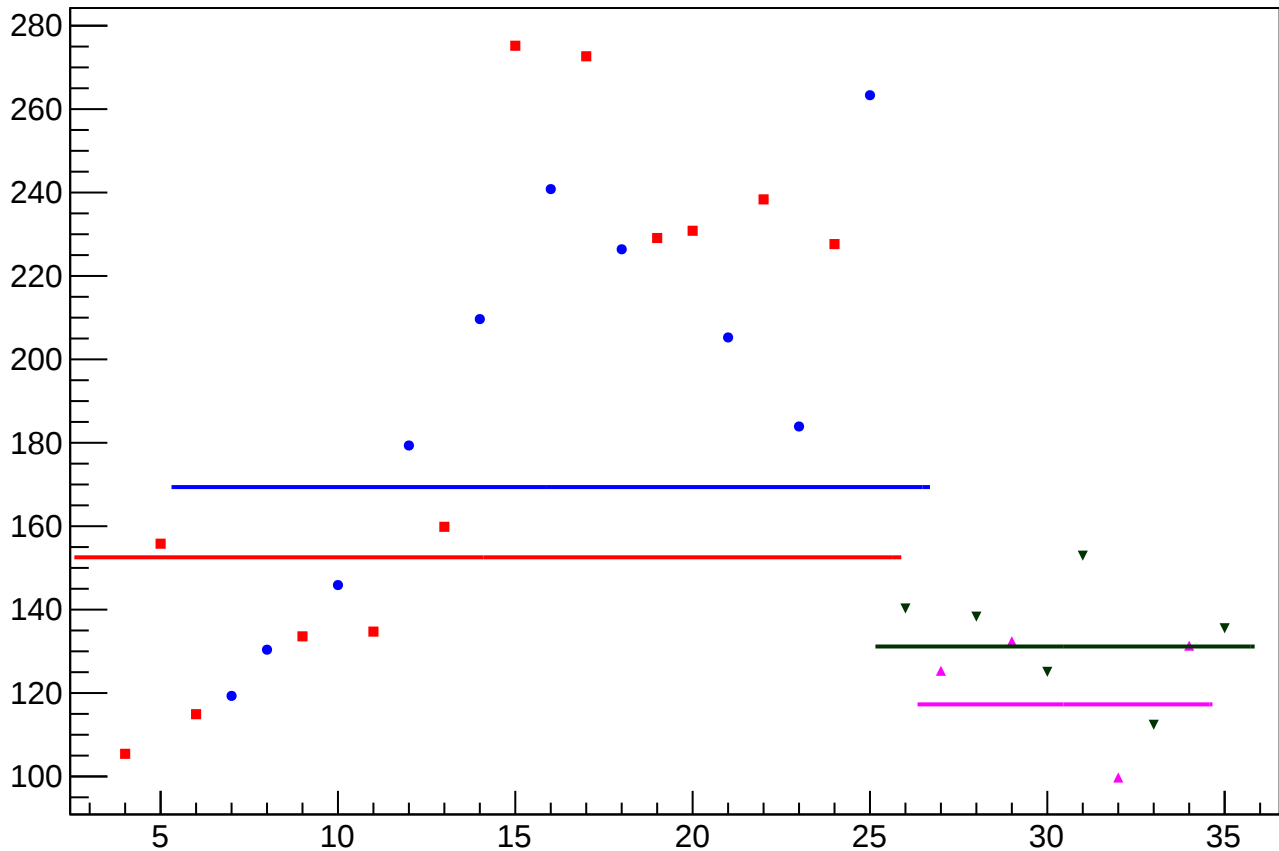
Right Out: 75.223 $\pm$ 63.607 χ^2 /NDF: 0.6/11

Left In: -28.925 $\pm$ 68.082 χ^2 /NDF: 0.4/3

56.993 $\pm$ 50.647 χ^2 /NDF: 8.1/15

26.684 $\pm$ 46.478 χ^2 /NDF: 2.3/15

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

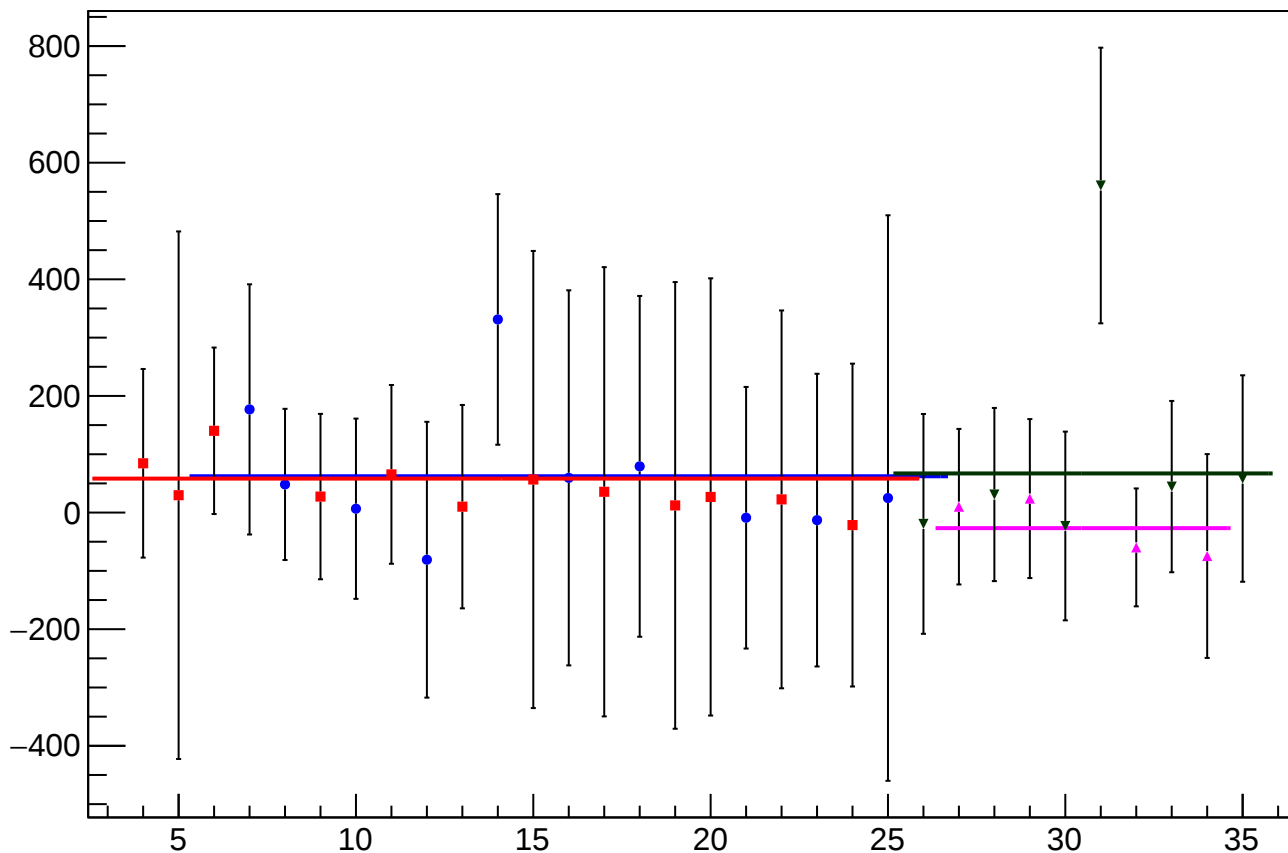
151.647+/-0.036 χ^2/NDF : 1019145.9/15

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

136.109+/-0.033 χ^2/NDF : 1560006.1/15

Left In: 117.283+/-0.048 χ^2/NDF : 93576.0/3

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

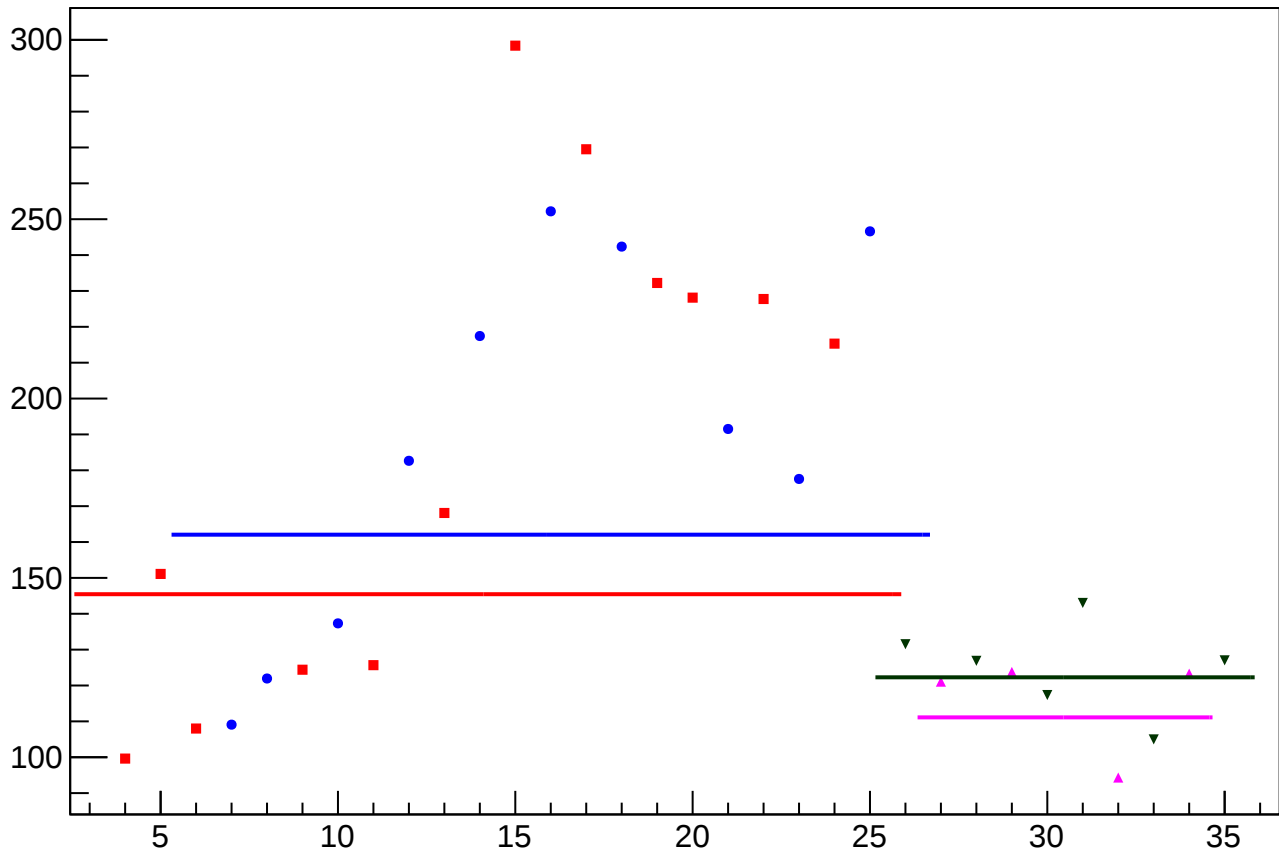
Right Out: 58.253 $\pm$ 61.187 χ^2/NDF : 0.6/11

Left In: -26.713 $\pm$ 64.472 χ^2/NDF : 0.4/3

64.585 $\pm$ 48.123 χ^2/NDF : 7.5/15

17.990 $\pm$ 44.382 χ^2/NDF : 1.9/15

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

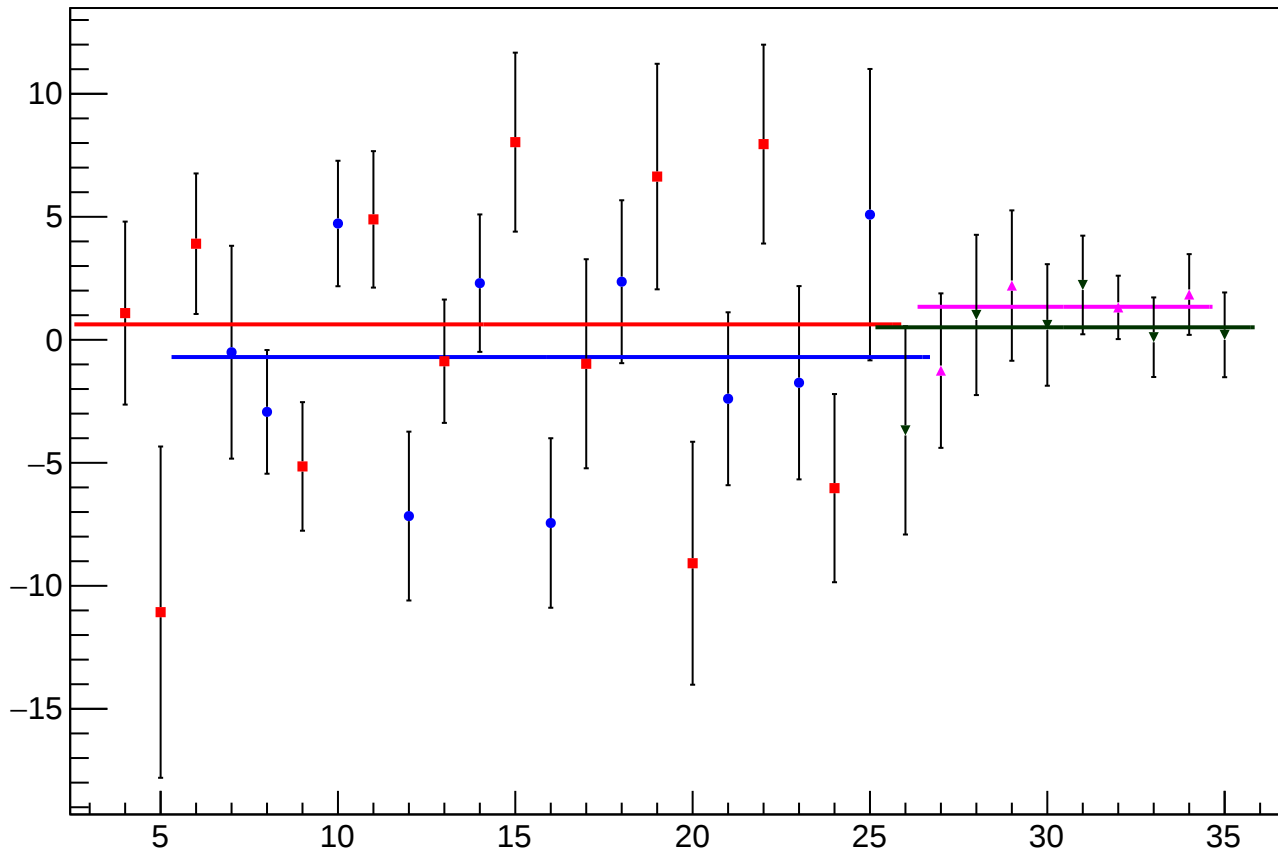
142.909+/-0.034 χ^2/NDF : 1317772.2/15

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

129.180+/-0.031 χ^2/NDF : 1769574.4/15

Left In: 111.112+/-0.046 χ^2/NDF : 93205.1/3

asym_cav4bQ_mean vs slug



Right In: -0.701 ± 1.038 $\chi^2/\text{NDF}: 16.0/9$

Left Out: 0.509 ± 0.883 $\chi^2/\text{NDF}: 1.8/5$

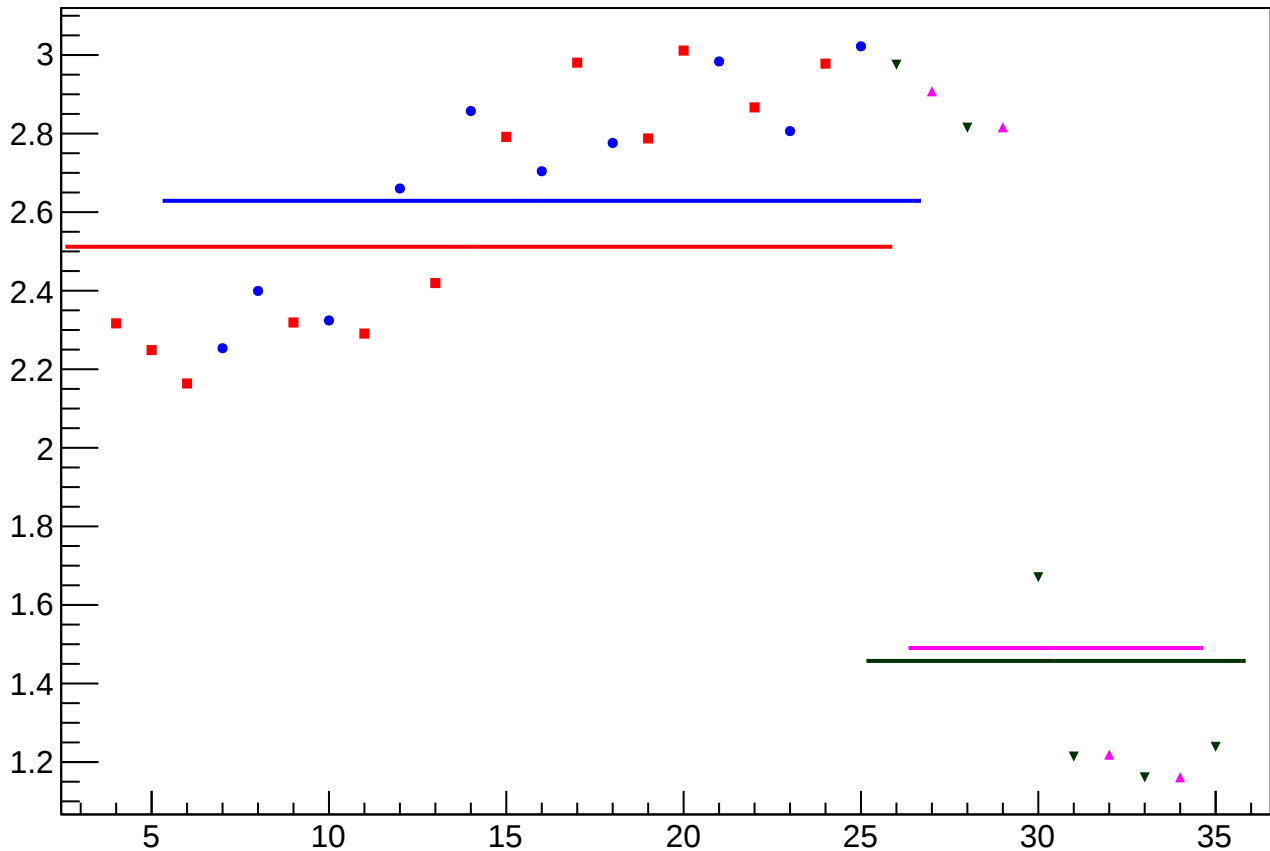
Right Out: 0.628 ± 0.999 $\chi^2/\text{NDF}: 28.1/11$

Left In: 1.342 ± 0.920 $\chi^2/\text{NDF}: 0.9/3$

0.001 ± 0.673 $\chi^2/\text{NDF}: 18.6/15$

1.015 ± 0.677 $\chi^2/\text{NDF}: 29.3/15$

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

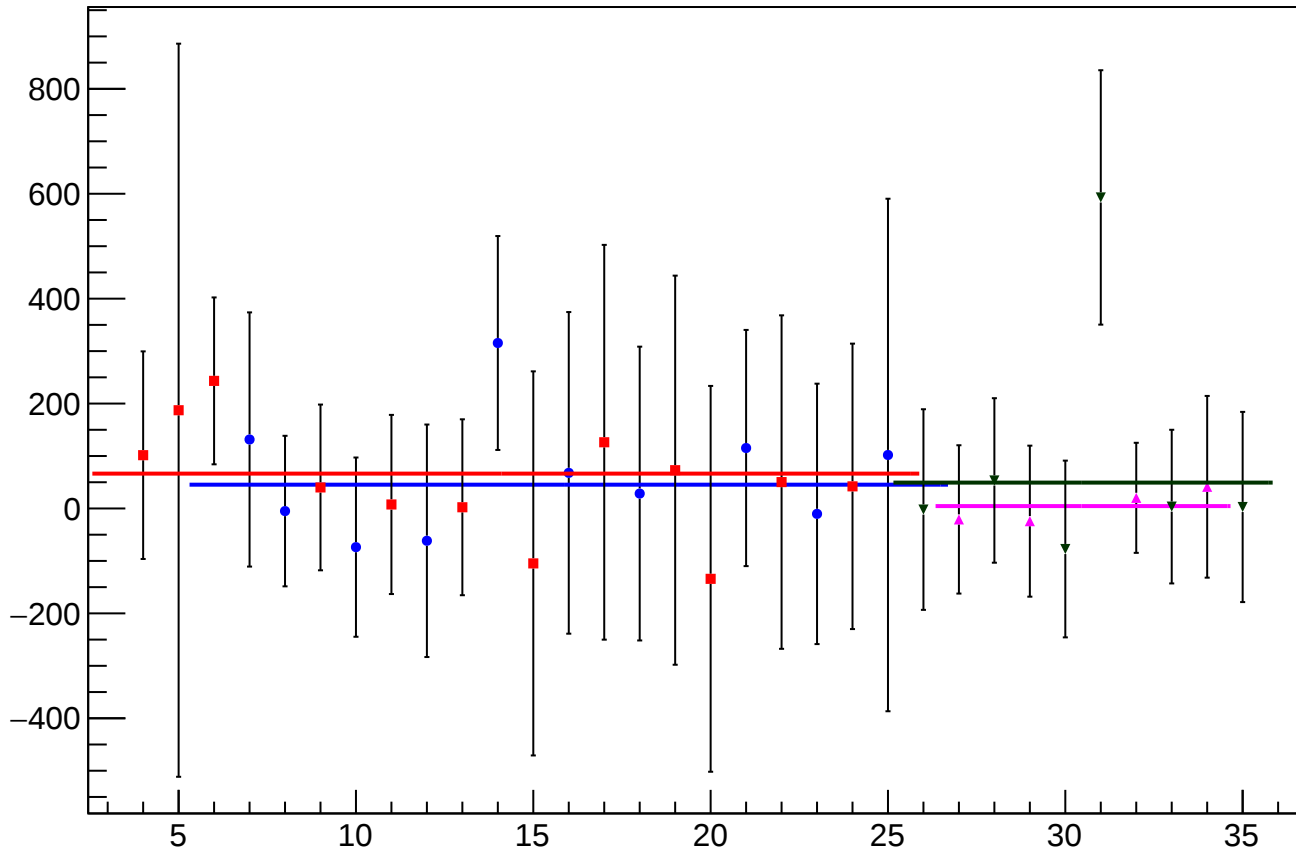
1.949 $\pm$ 0.000 χ^2 /NDF: 2337600.9/15

Right Out: 2.512 $\pm$ 0.001 χ^2 /NDF: 173540.5/11

1.959 $\pm$ 0.000 χ^2 /NDF: 2258251.9/15

Left In: 1.490 $\pm$ 0.001 χ^2 /NDF: 953028.0/3

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

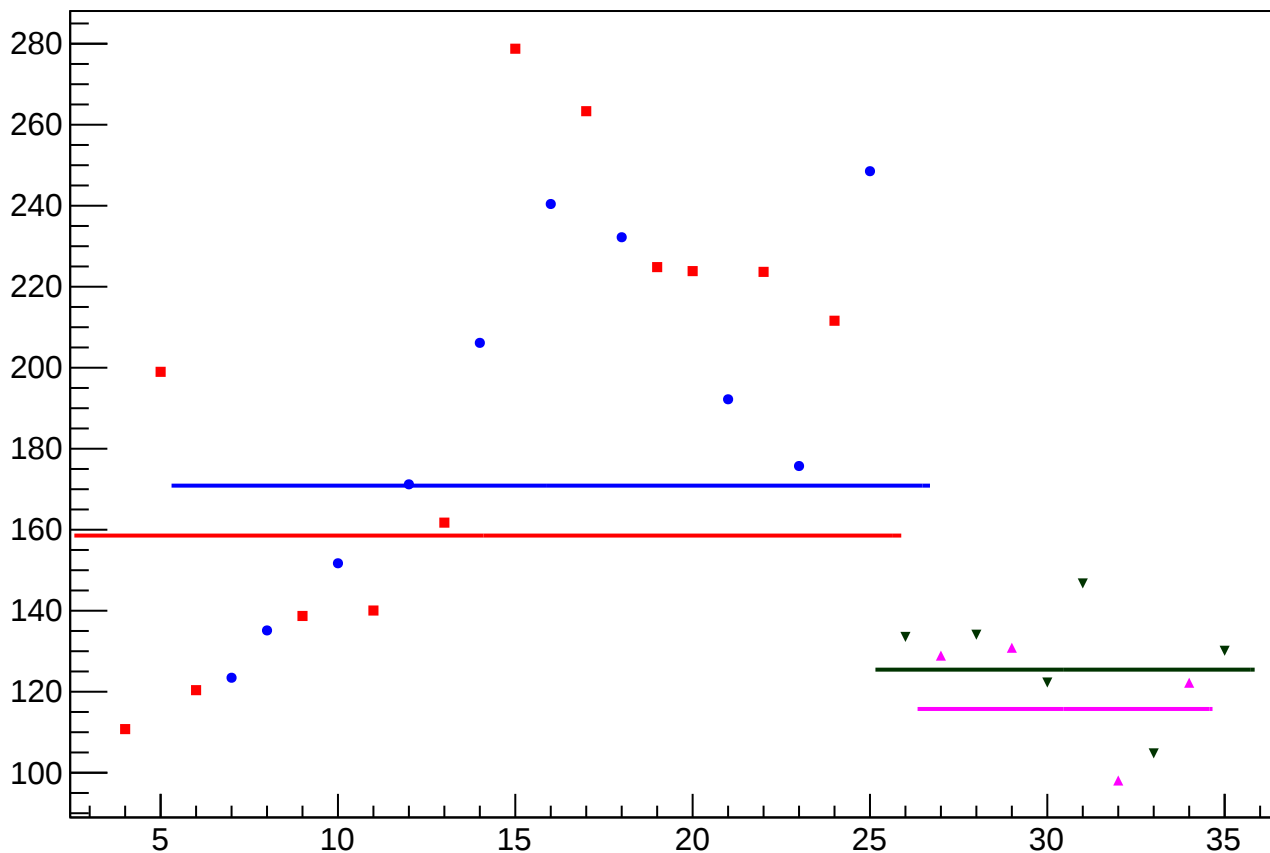
47.280 ± 49.688 χ^2/NDF : 8.7/15

Right Out: 66.444 ± 65.999 χ^2/NDF : 2.1/11

35.976 ± 47.035 χ^2/NDF : 2.7/15

Left In: 4.531 ± 67.049 χ^2/NDF : 0.1/3

asym_cav4cQ_rms vs slug



Right In: 170.886+/-0.049 χ^2/NDF : 553736.6/9

Left Out: 125.452+/-0.050 χ^2/NDF :66911.8/5

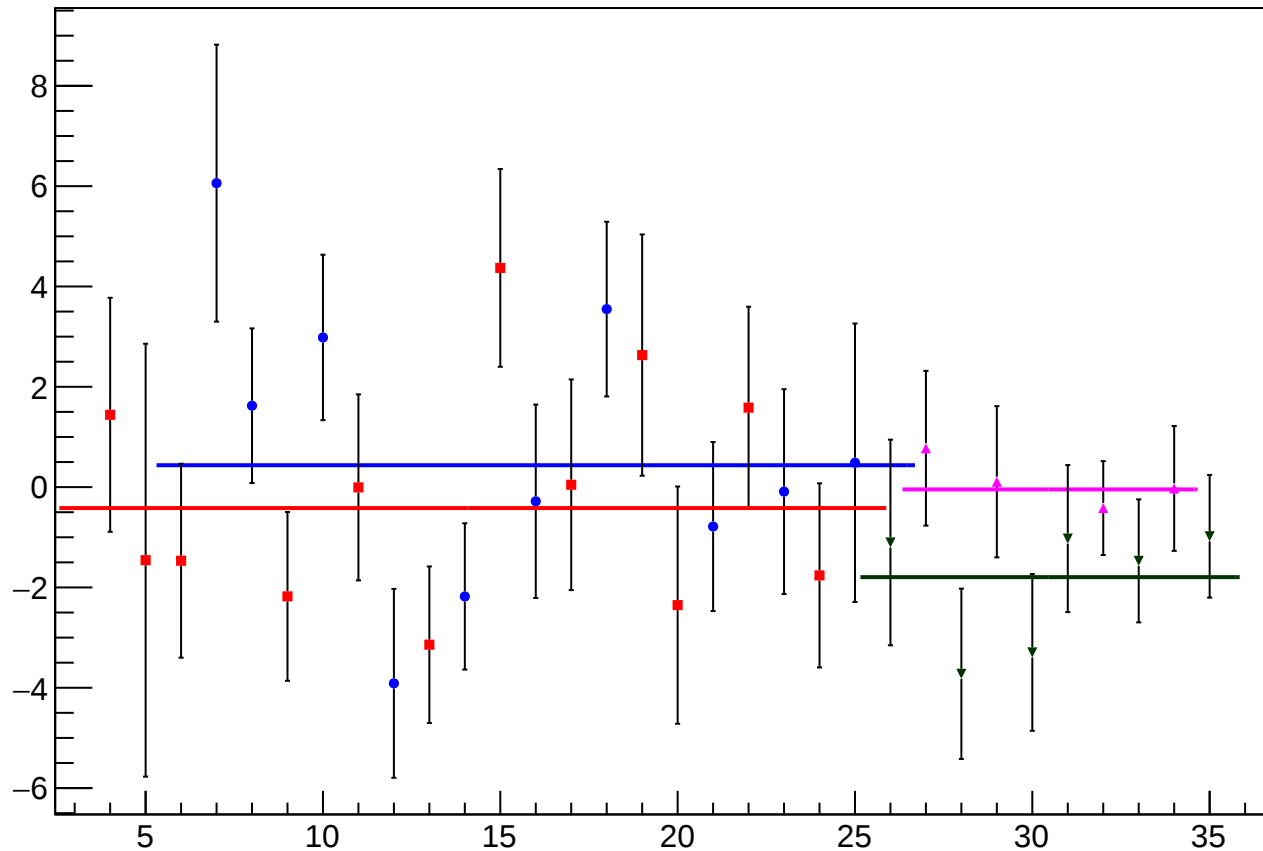
148.759+/-0.035 χ^2/NDF : 1038423.4/15

Right Out: 158.557+/-0.047 χ^2/NDF : 951673.3/11

137.487+/-0.033 χ^2/NDF : 1464755.8/15

Left In: 115.742+/-0.047 χ^2/NDF :98892.0/3

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

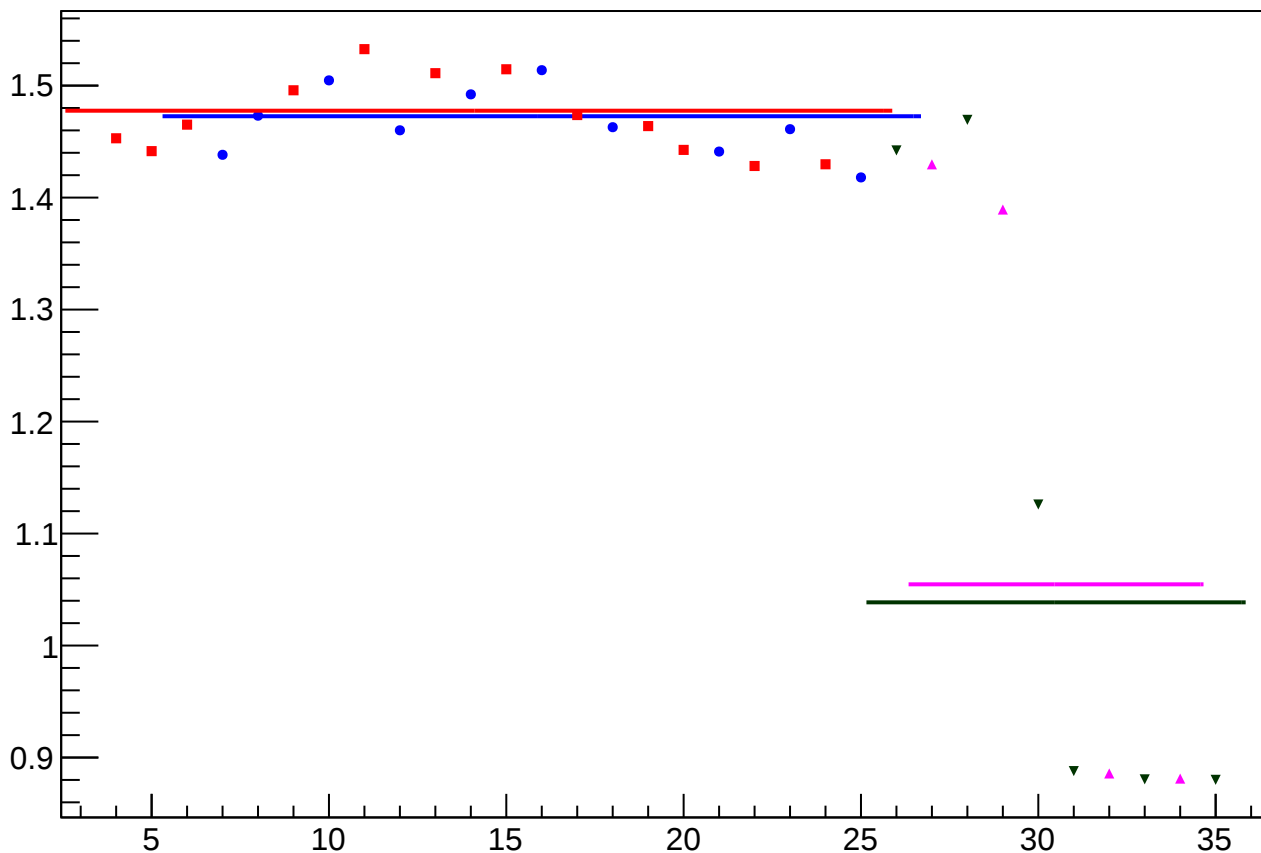
Right Out: -0.417 $\pm$ 0.583 χ^2/NDF : 14.9/11

Left In: -0.046 $\pm$ 0.615 χ^2/NDF : 0.5/3

-0.640 $\pm$ 0.416 χ^2/NDF : 29.9/15

-0.241 $\pm$ 0.423 χ^2/NDF : 15.6/15

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

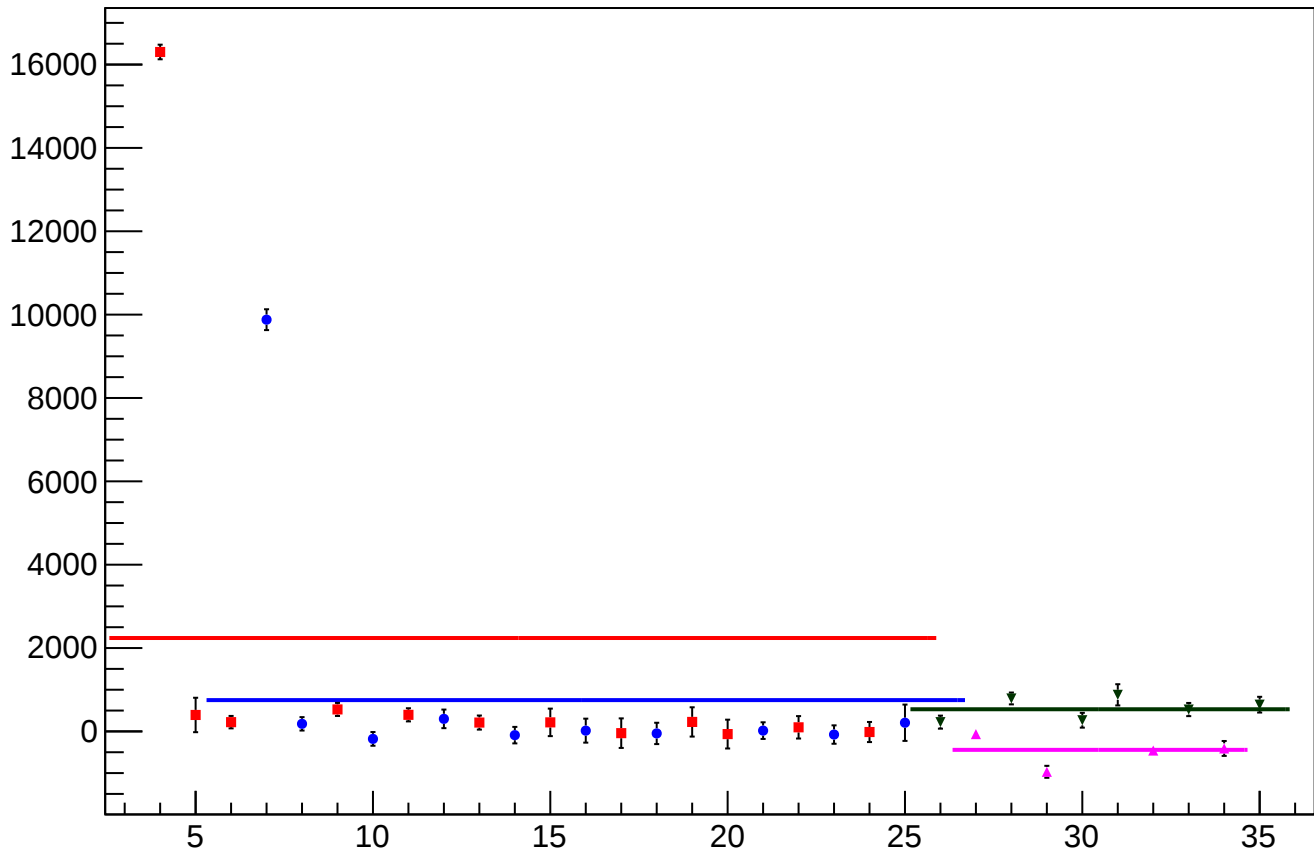
Right Out: 1.478+/-0.000 χ^2/NDF : 7139.1/11

Left In: 1.055+/-0.000 χ^2/NDF :320769.3/3

1.263+/-0.000 χ^2/NDF : 848836.5/15

1.277+/-0.000 χ^2/NDF : 826199.0/15

asym_bcm0l02_mean vs slug



Right In: 750.803 $\pm$ 68.130 χ^2 /NDF: 1445.6/9

Left Out: 531.288 $\pm$ 69.776 χ^2 /NDF:11.6/5

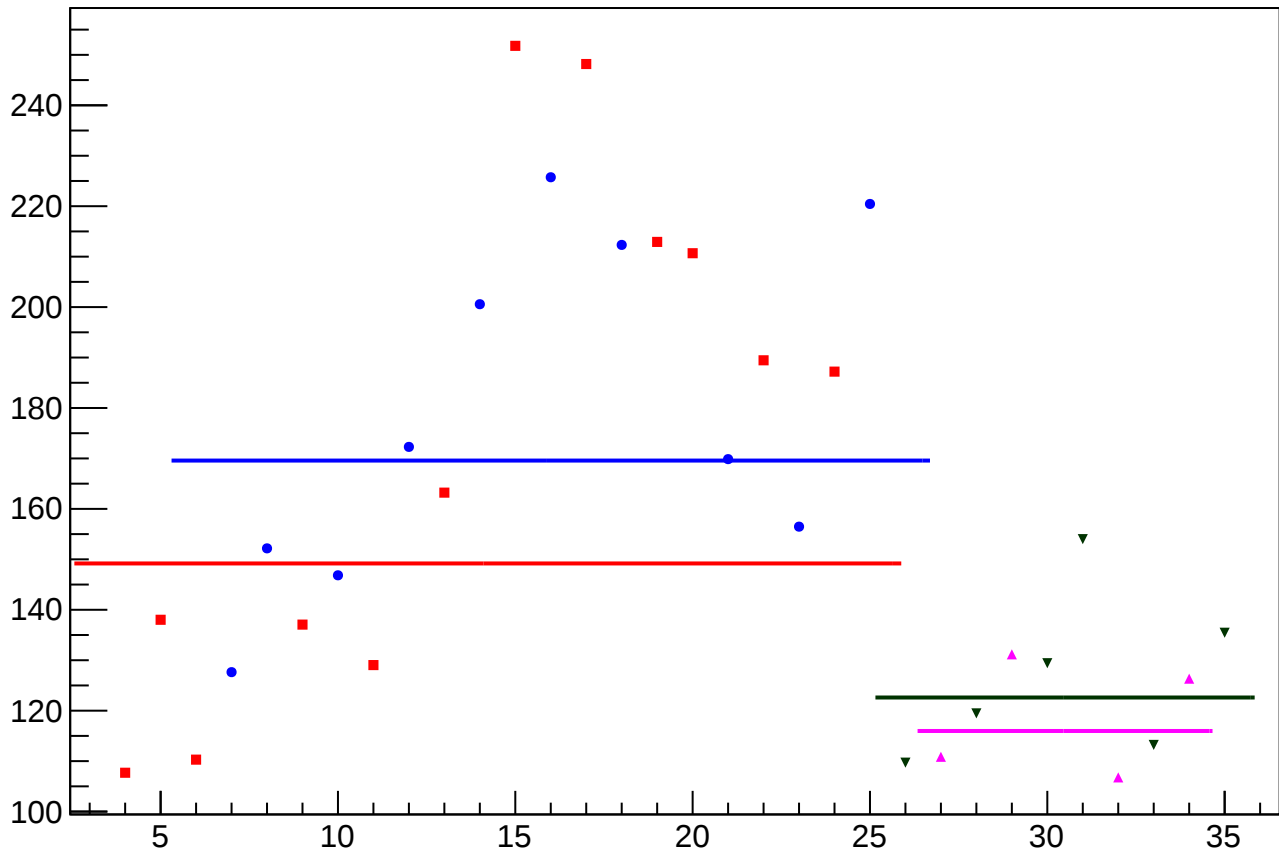
643.667 $\pm$ 48.747 χ^2 /NDF: 1462.2/15

Right Out: 2240.760 $\pm$ 61.598 χ^2 /NDF: 7330.5/11

1005.596 $\pm$ 45.254 χ^2 /NDF: 8227.2/15

Left In: -442.844 $\pm$ 66.705 χ^2 /NDF:23.2/3

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

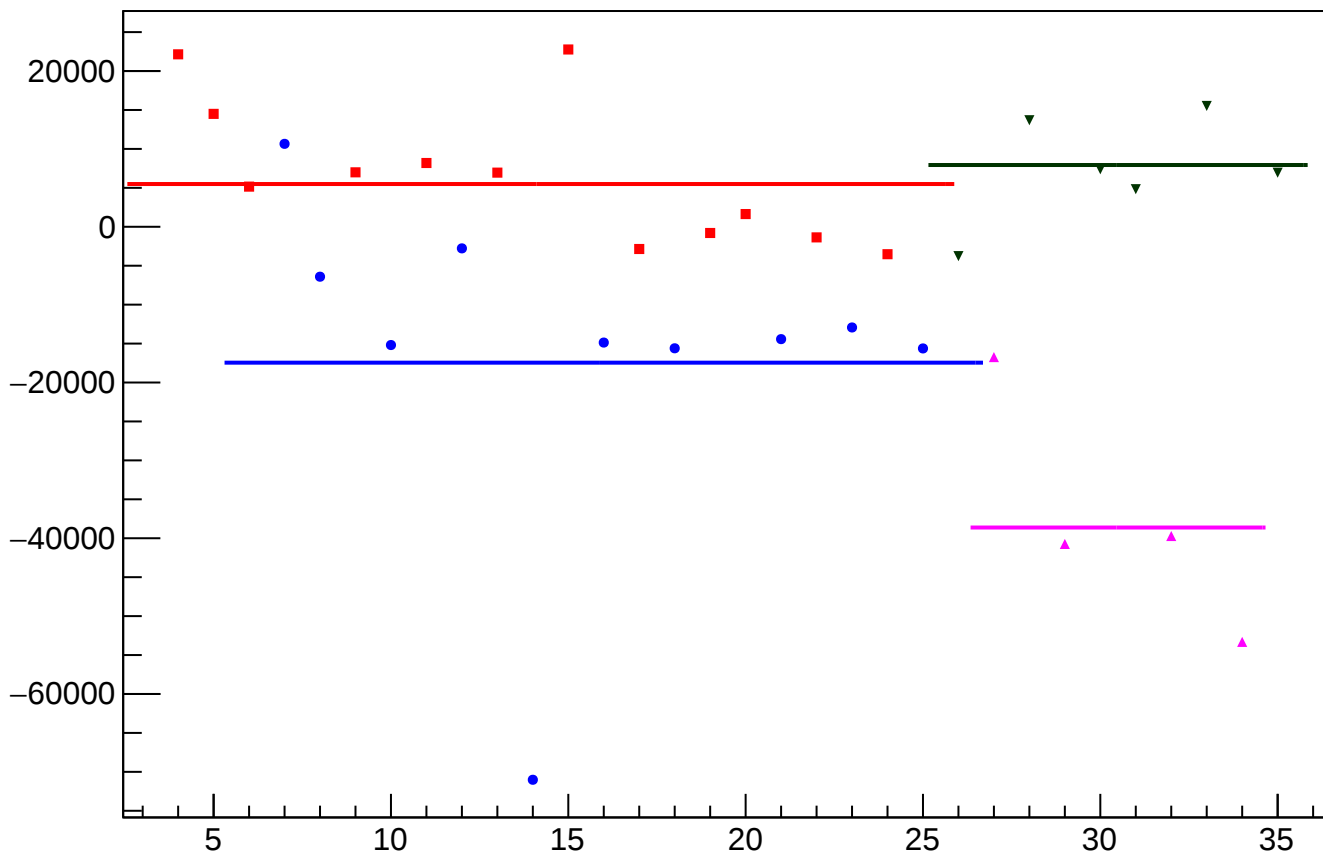
146.656+/-0.034 χ^2/NDF : 861758.8/15

Right Out: 149.184+/-0.044 χ^2/NDF : 879836.6/11

133.899+/-0.032 χ^2/NDF : 1193044.3/15

Left In: 115.975+/-0.047 χ^2/NDF : 45658.3/3

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

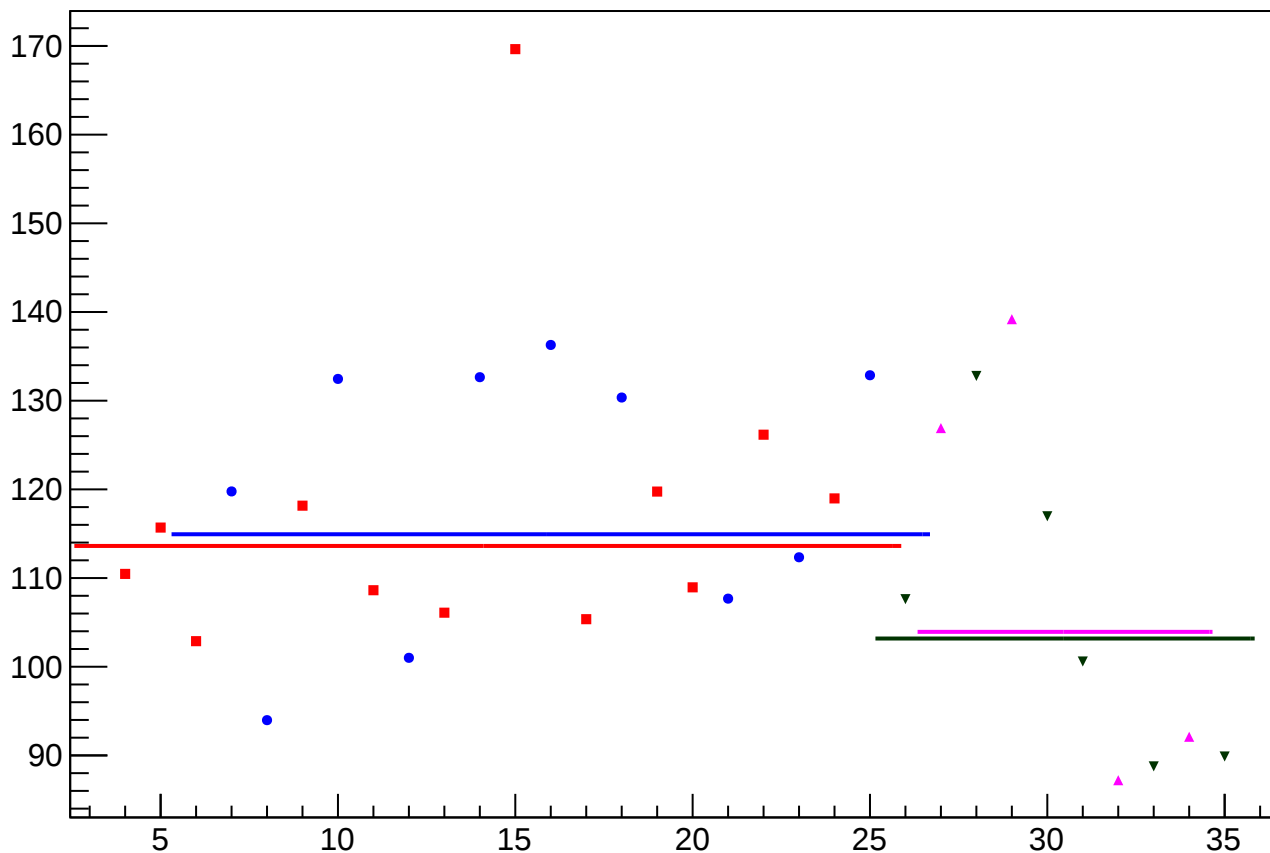
Right Out: 5490.592+/-46.372 χ^2/NDF : 24655.8/11

Left In: -38623.305+/-61.955 χ^2/NDF : 35993.8/3

-7854.263+/-36.879 χ^2/NDF : 325688.7/15

-10349.348+/-37.125 χ^2/NDF : 385595.8/15

asym_bpm2i01WS_rms vs slug



Right In: 114.939 $\pm$ 0.033 χ^2 /NDF: 233540.9/9

Left Out: 103.182 $\pm$ 0.042 χ^2 /NDF:130831.6/5

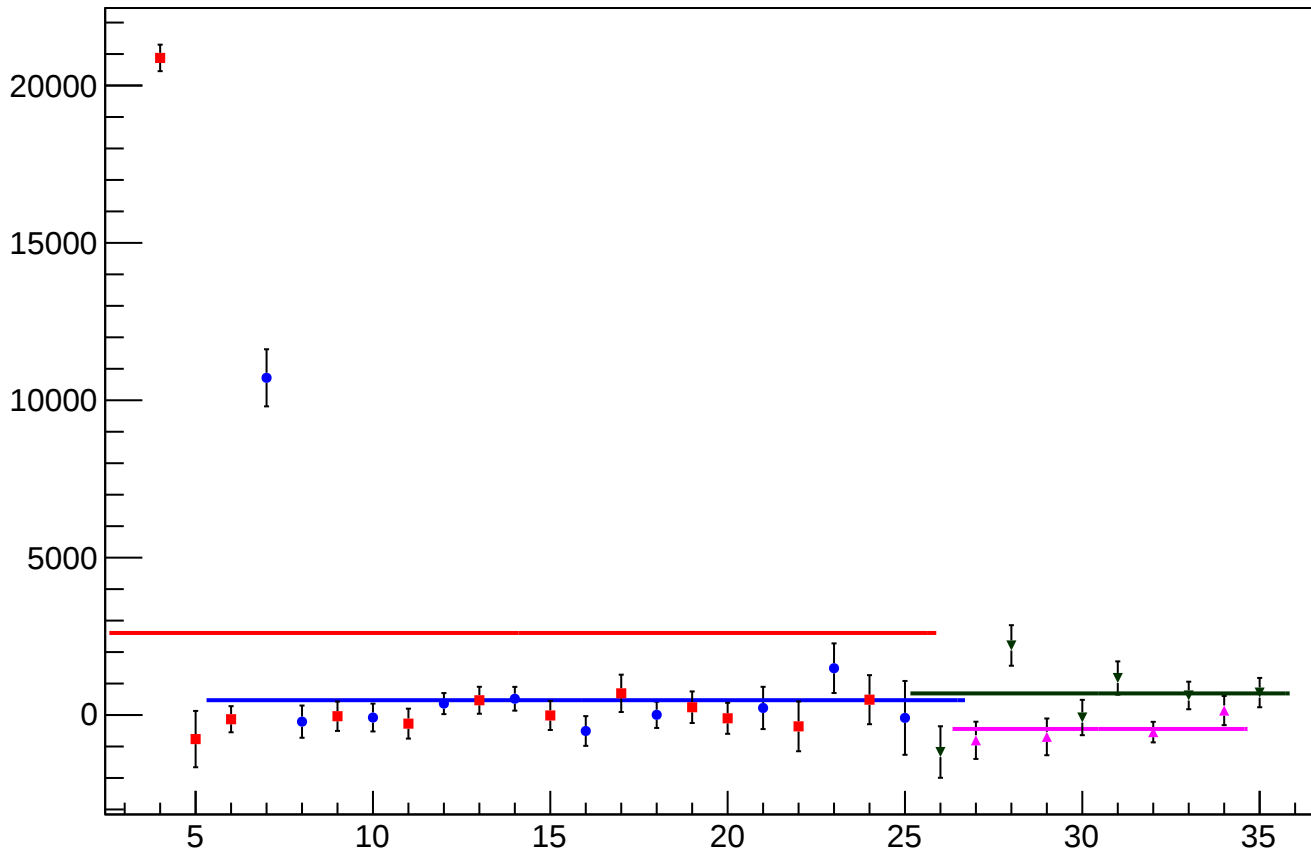
Right Out: 113.621 $\pm$ 0.033 χ^2 /NDF: 162658.1/11

Left In: 103.933 $\pm$ 0.044 χ^2 /NDF:233395.3/3

110.494 $\pm$ 0.026 χ^2 /NDF: 412166.2/15

110.142 $\pm$ 0.026 χ^2 /NDF: 427397.0/15

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

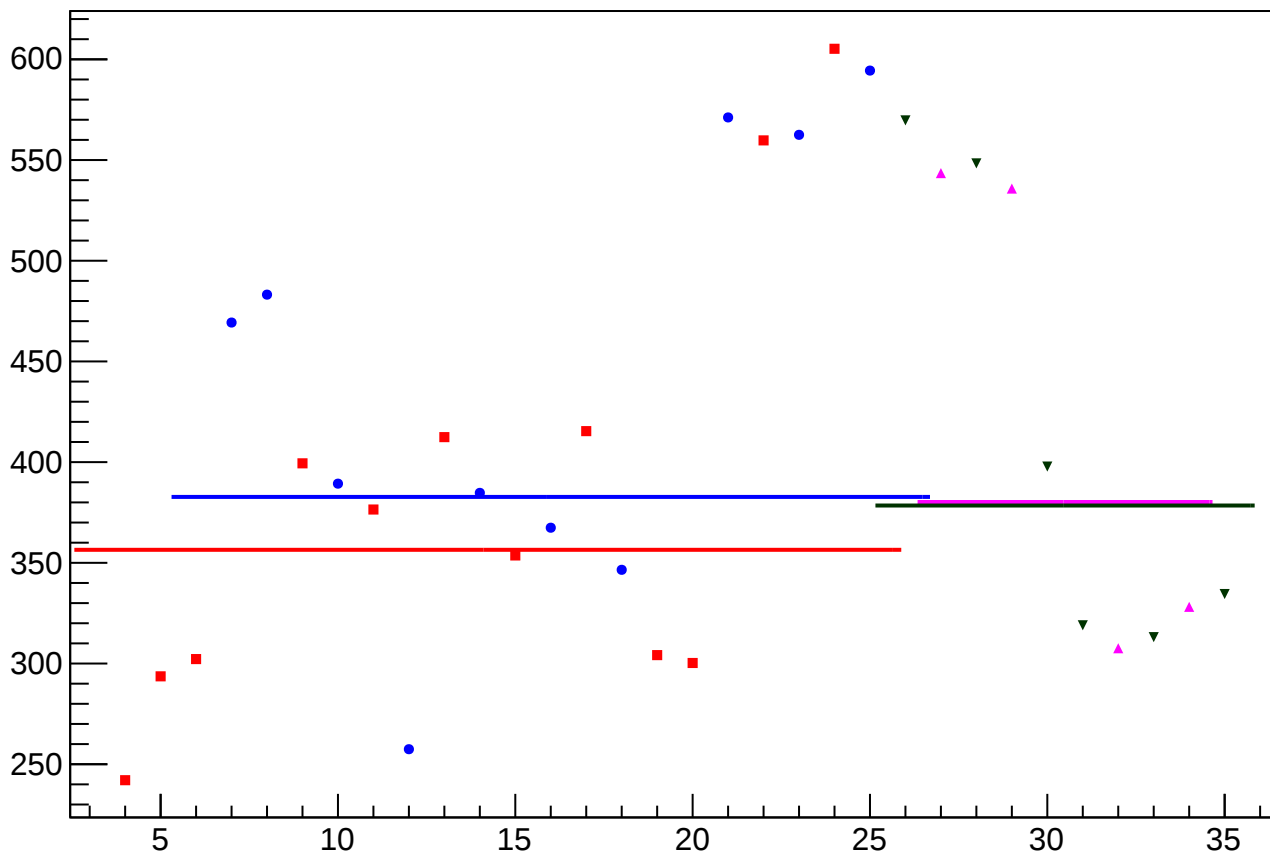
542.958+/-127.652 χ^2/NDF : 152.6/15

Right Out: 2606.972+/-147.343 χ^2/NDF : 2154.3/11

1689.019+/-123.186 χ^2/NDF : 2285.4/15

Left In: -442.508+/-224.525 χ^2/NDF : 2.2/3

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

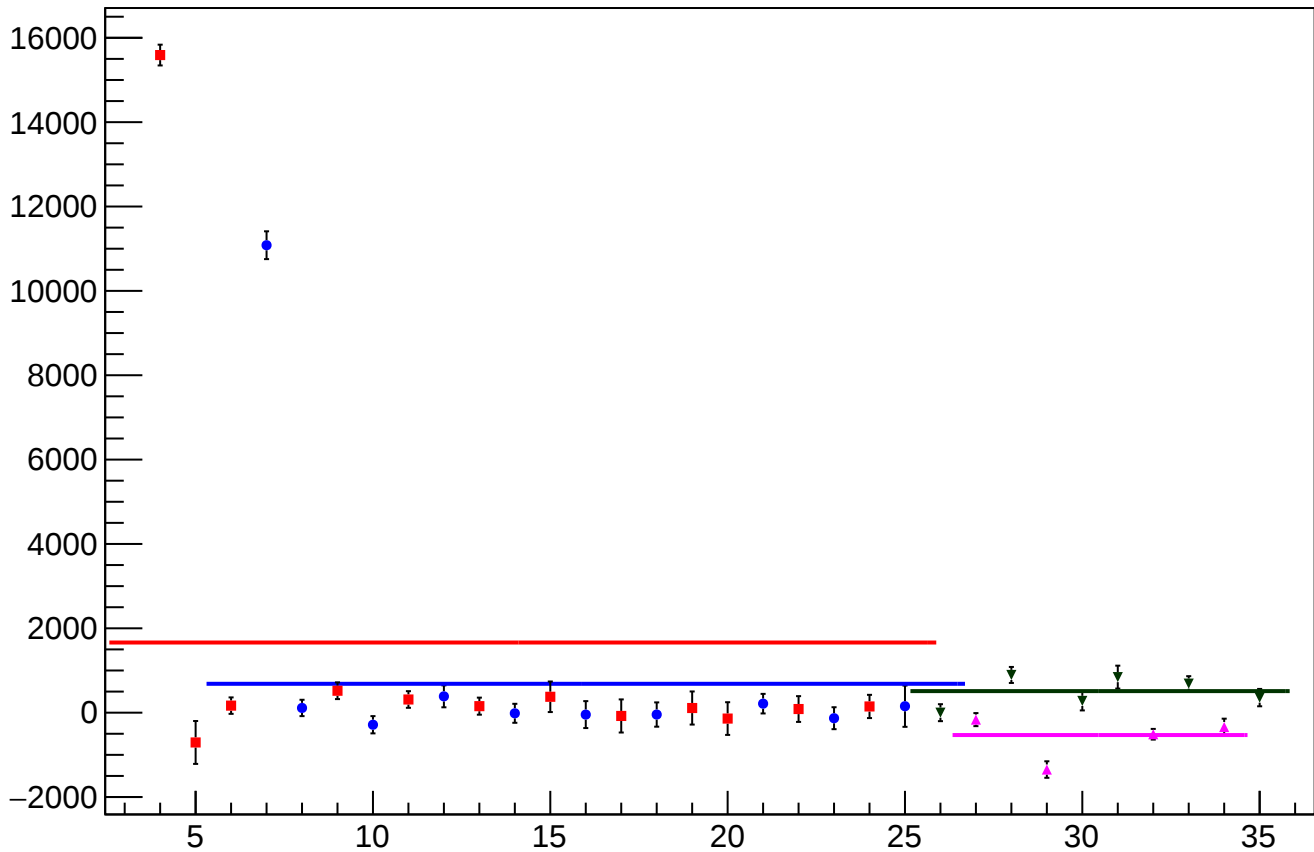
381.304+/-0.090 χ^2/NDF : 1059059.1/15

Right Out: 356.465+/-0.104 χ^2/NDF : 650032.0/11

363.611+/-0.087 χ^2/NDF : 1084698.2/15

Left In: 380.204+/-0.159 χ^2/NDF : 419038.2/3

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

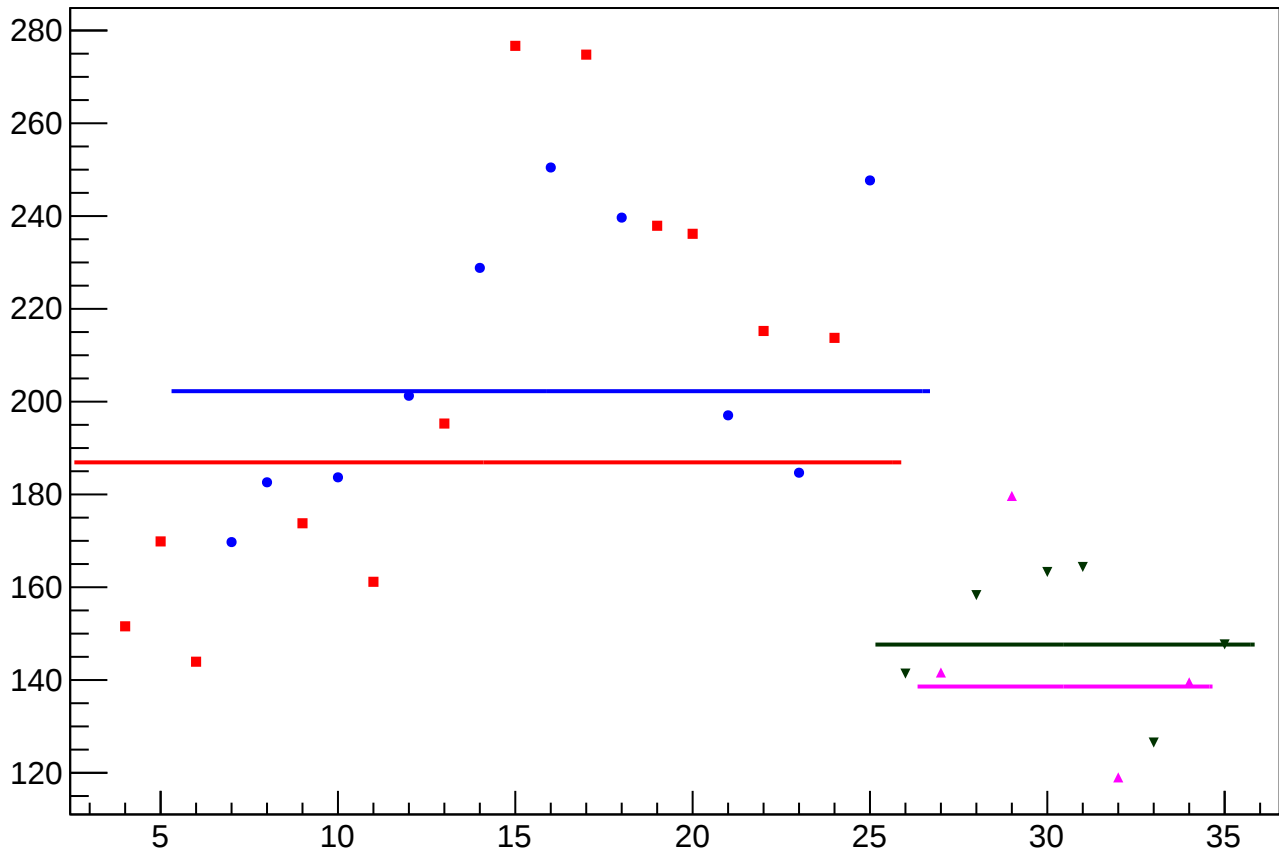
601.557+/-58.214 χ^2/NDF : 1080.8/15

Right Out: 1663.245+/-75.915 χ^2/NDF : 3538.6/11

Left In: -530.351+/-80.096 χ^2/NDF :24.0/3

625.197+/-55.099 χ^2/NDF : 3957.7/15

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

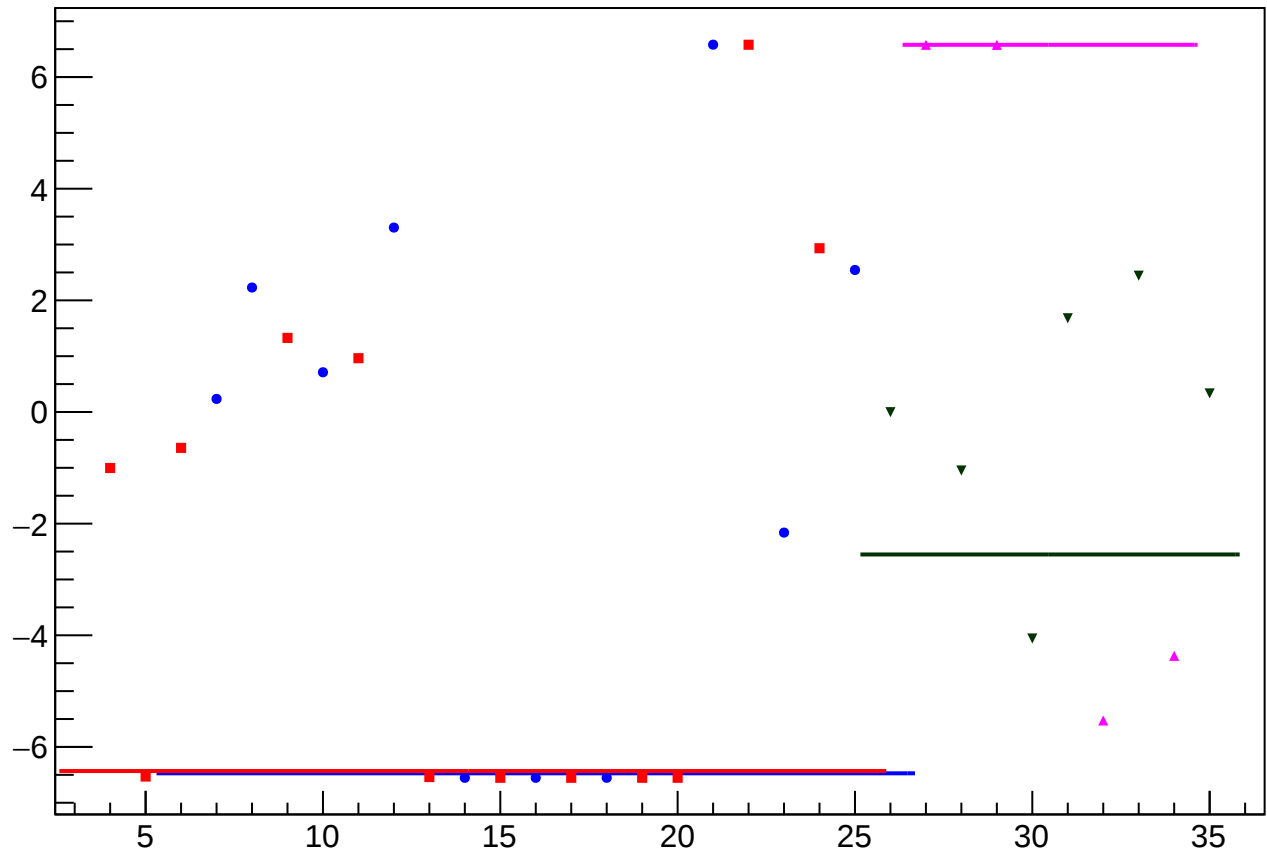
176.096+/-0.041 χ^2/NDF : 684496.1/15

Right Out: 186.914+/-0.054 χ^2/NDF : 512292.6/11

164.050+/-0.039 χ^2/NDF : 1032328.7/15

Left In: 138.599+/-0.057 χ^2/NDF : 136683.8/3

yield_cav4bX_mean vs slug



Right In: -6.473+/-0.000 χ^2/NDF : 127847927584822.3/9

-6.473+/-0.000 χ^2/NDF : 127847942228046.2/1

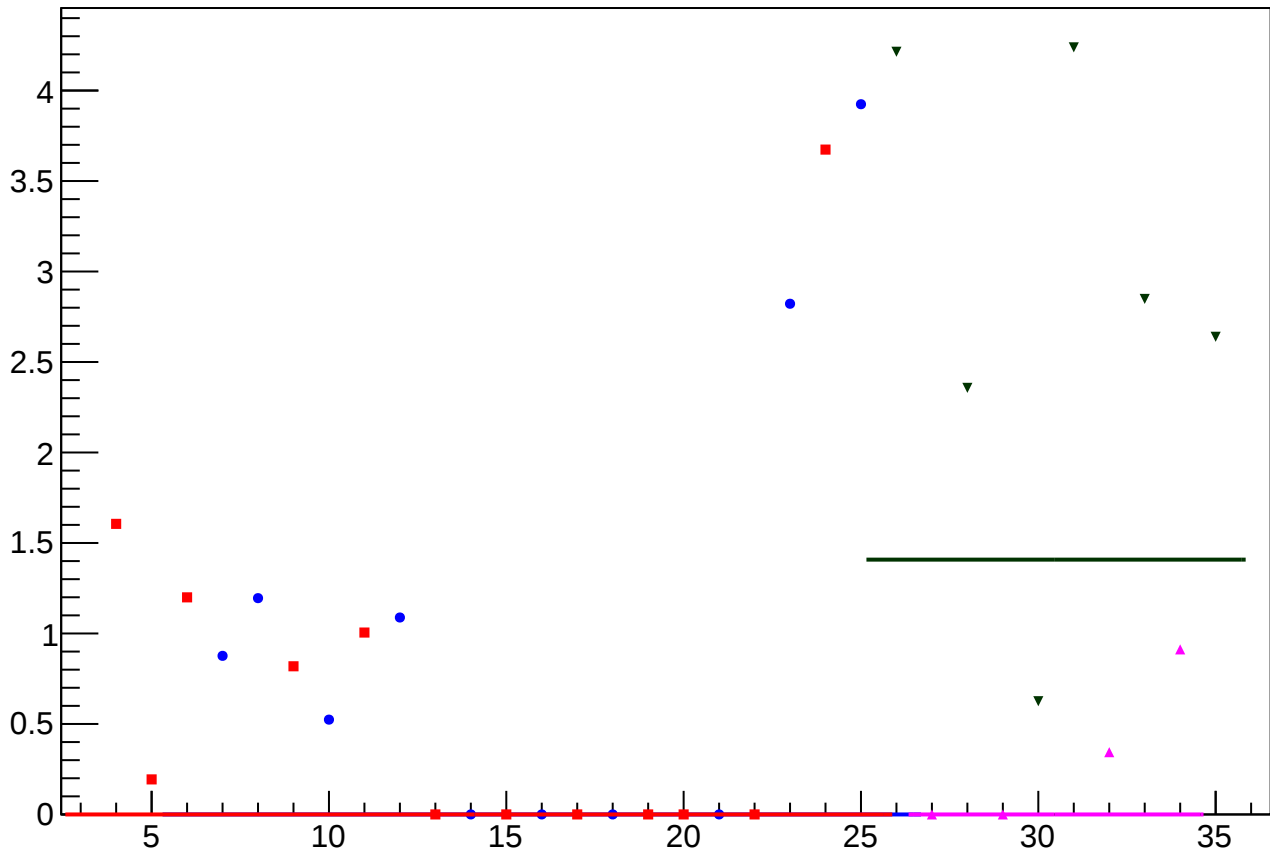
Left Out: -2.552+/-0.001 χ^2/NDF : 3455009.7/5

Right Out: -6.432+/-0.000 χ^2/NDF : 150837601506010.5/11

-6.315+/-0.000 χ^2/NDF : 297092088954757.2/1

Left In: 6.578+/-0.000 χ^2/NDF : 417491738.0/3

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

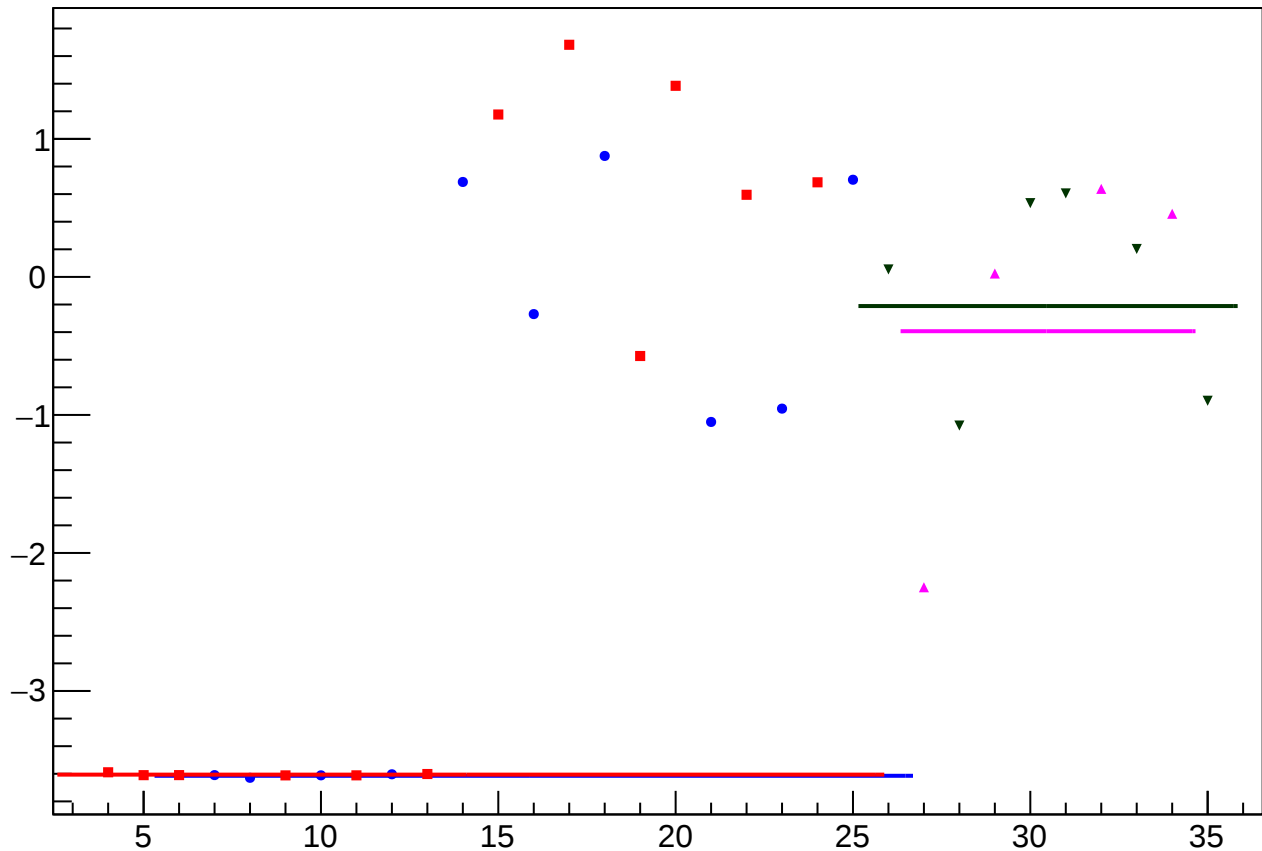
Right Out: 0.000+/-0.000 χ^2/NDF : 4072994.8/11

Left In: 0.000+/-0.000 χ^2/NDF : 1191697.4/3

0.000+/-0.000 χ^2/NDF : 9010288.9/15

0.000+/-0.000 χ^2/NDF : 5264738.4/15

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

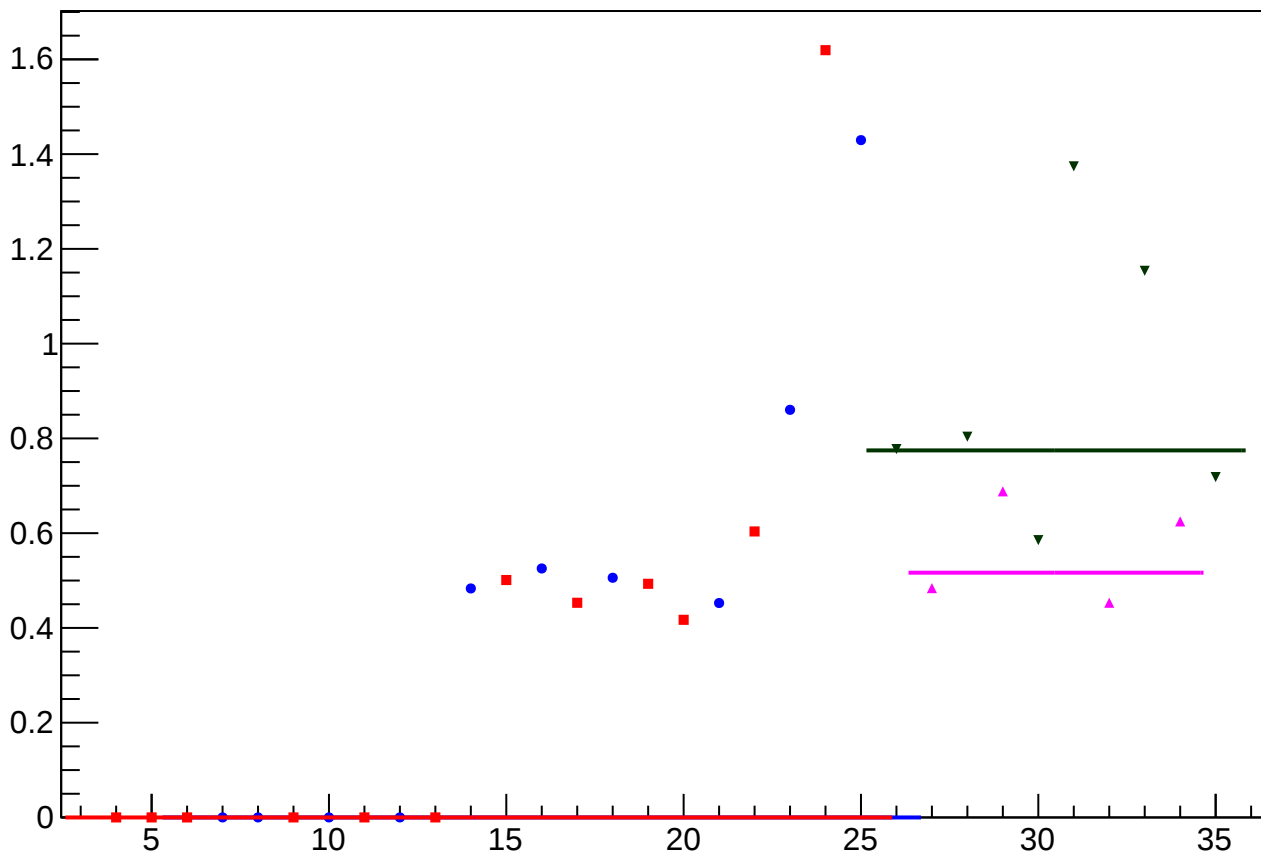
Left Out: -0.211+/-0.001 χ^2/NDF : 1664909.8/5

Right Out: -3.606+/-0.000 χ^2/NDF : 37750030407.7/11

-3.606+/-0.000 χ^2/NDF : 37838259881.2/15

Left In: -0.393+/-0.000 χ^2/NDF : 12191983.4/3

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

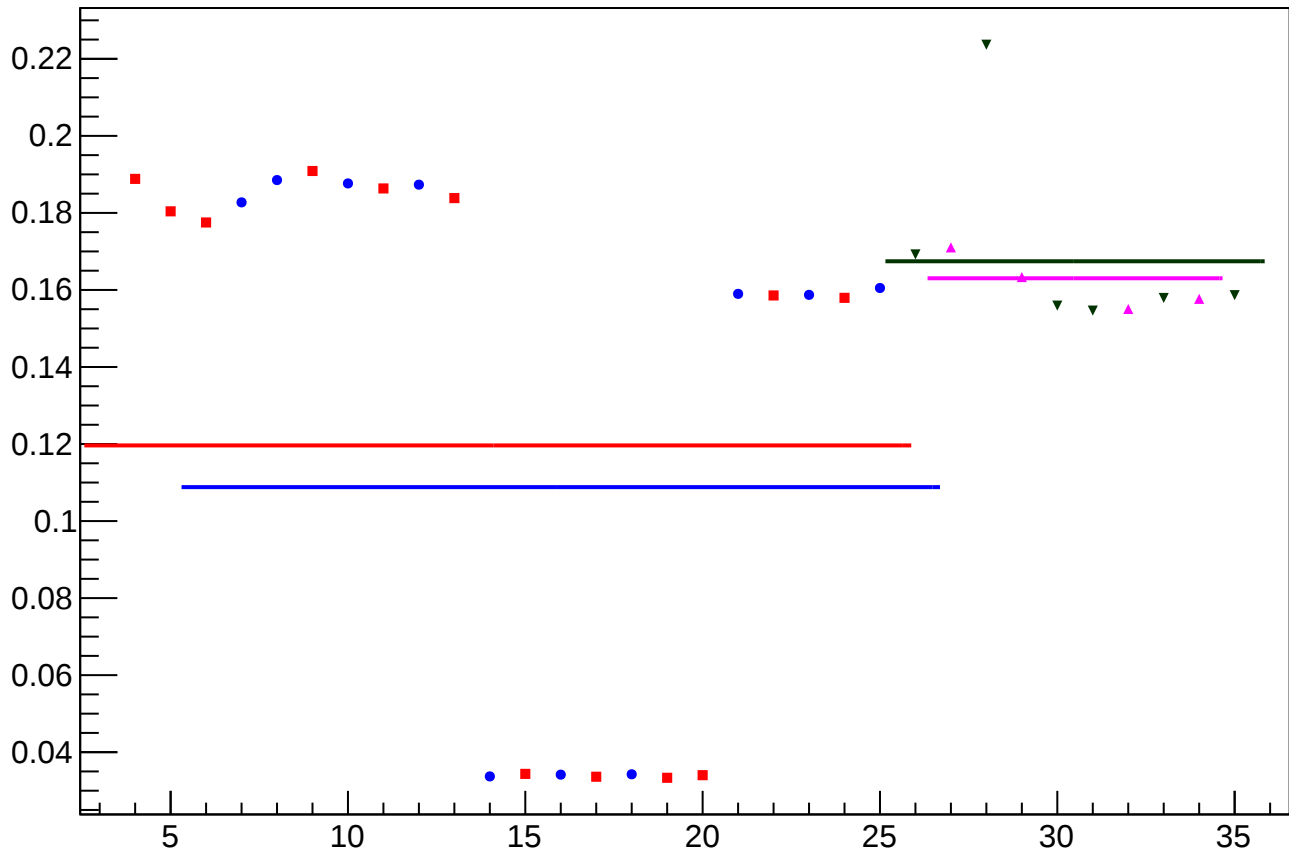
Right Out: 0.000+/-0.000 χ^2/NDF : 4205917.4/11

Left In: 0.517+/-0.000 χ^2/NDF : 112822.5/3

0.000+/-0.000 χ^2/NDF : 10373719.4/15

0.000+/-0.000 χ^2/NDF : 8249530.5/15

yield_cav4cX_mean vs slug



Right In: 0.109+/-0.000 χ^2/NDF : 4567388624.2/9

Left Out: 0.167+/-0.000 χ^2/NDF : 93026628.4/5

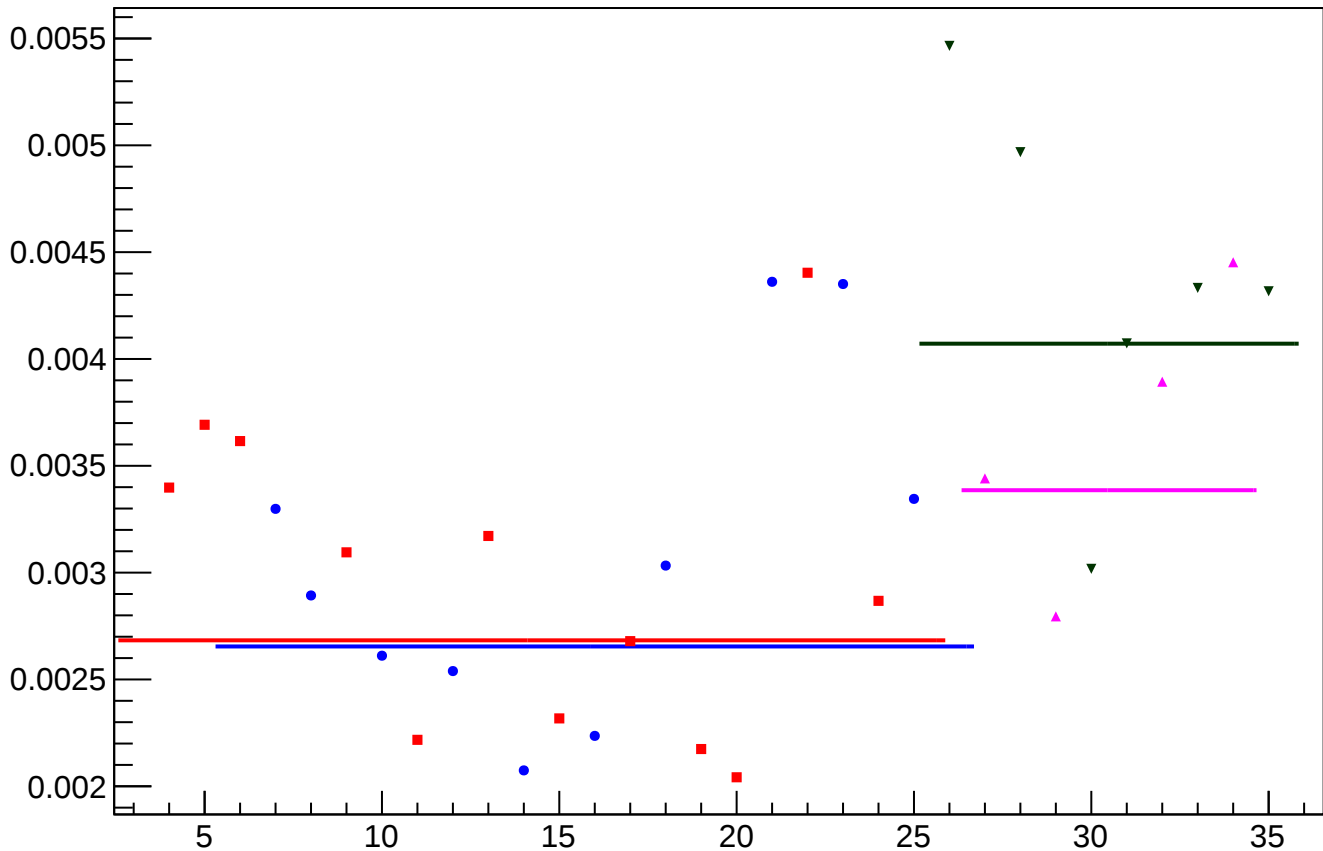
0.119+/-0.000 χ^2/NDF : 5148346139.6/15

Right Out: 0.120+/-0.000 χ^2/NDF : 4203649870.8/11

0.130+/-0.000 χ^2/NDF : 4562707942.9/15

Left In: 0.163+/-0.000 χ^2/NDF : 8423661.7/3

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

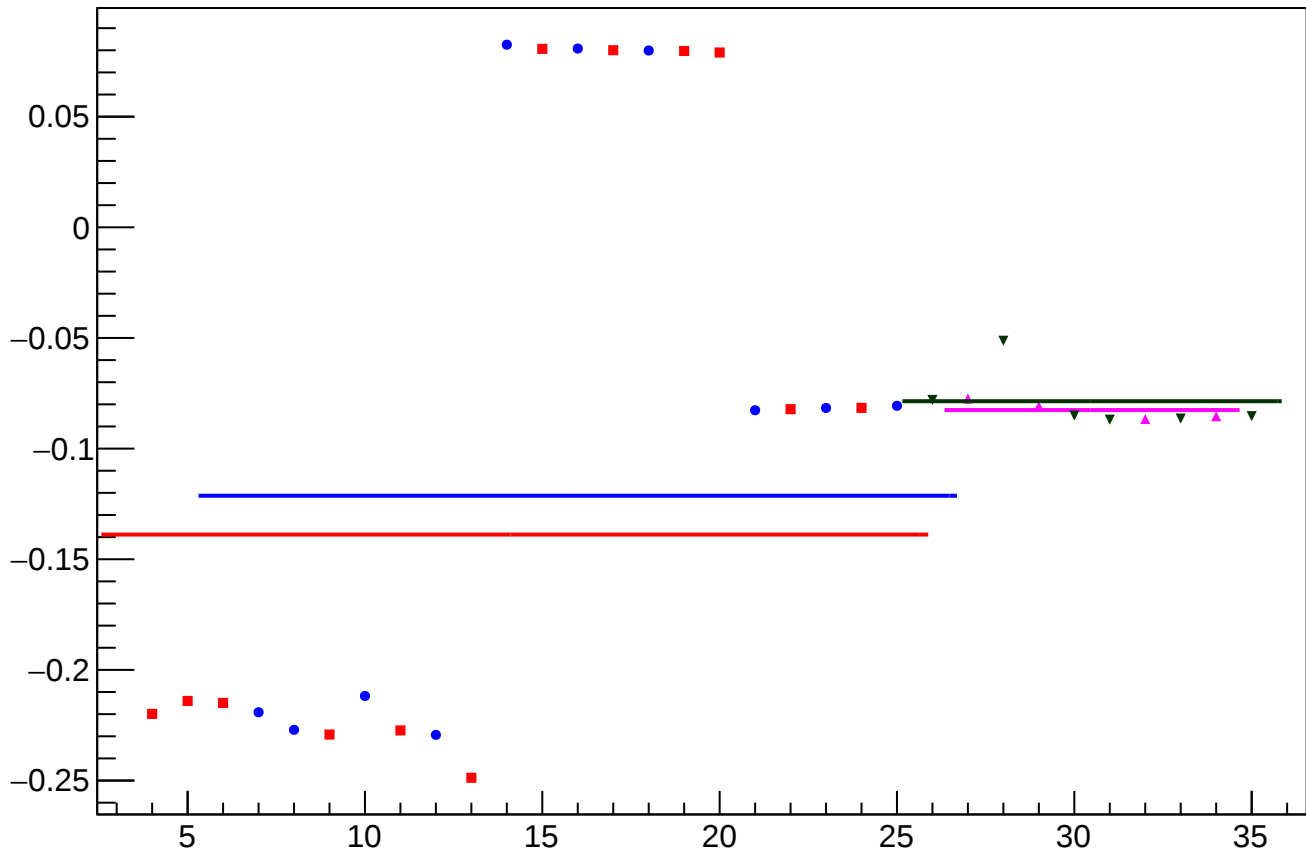
Right Out: 0.003+/-0.000 χ^2/NDF : 526292.2/11

Left In: 0.003+/-0.000 χ^2/NDF :152826.1/3

0.003+/-0.000 χ^2/NDF : 1439968.6/15

0.003+/-0.000 χ^2/NDF : 862988.6/15

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

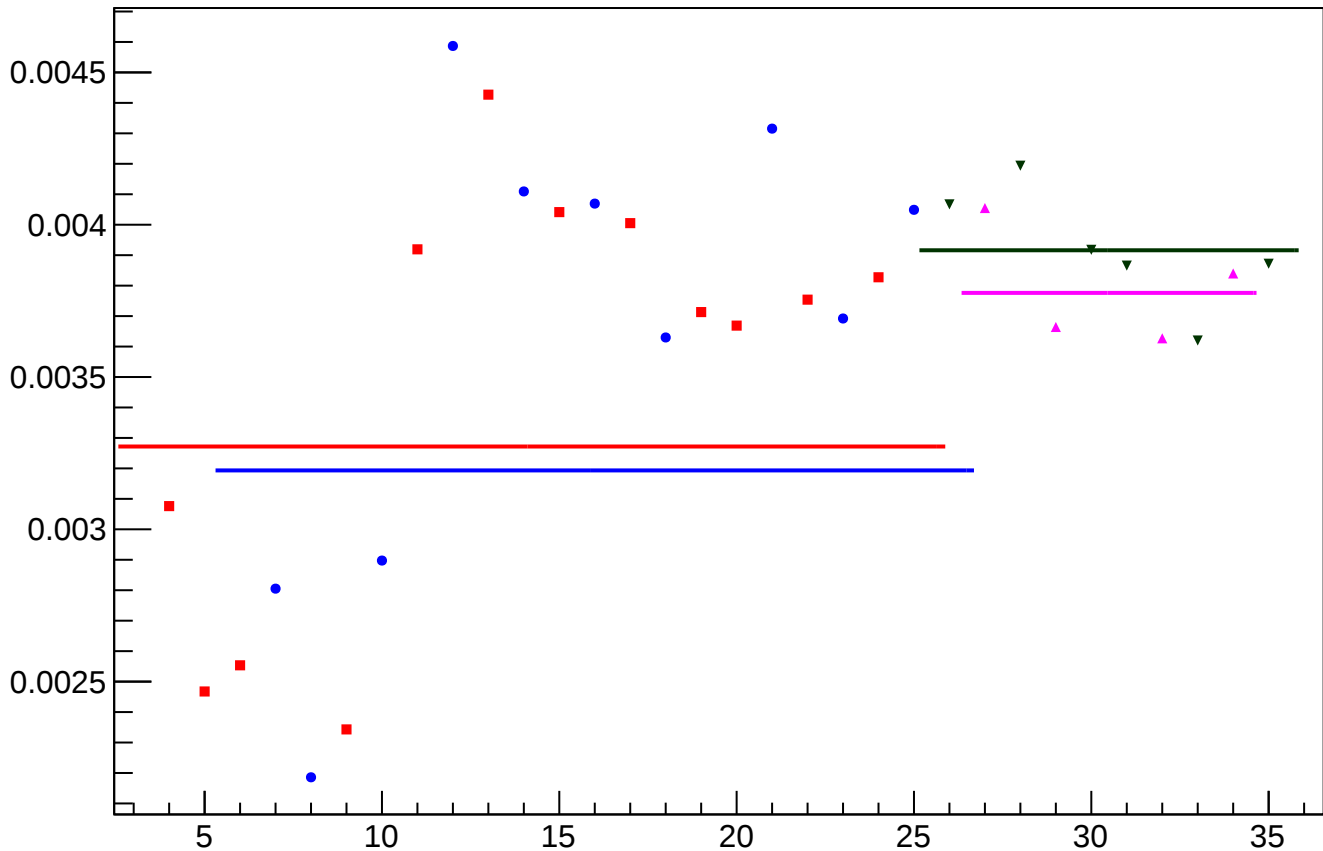
-0.110+/-0.000 χ^2/NDF : 9814638240.7/15

Right Out: -0.139+/-0.000 χ^2/NDF : 8617094052.4/11

-0.123+/-0.000 χ^2/NDF : 9092572956.1/15

Left In: -0.083+/-0.000 χ^2/NDF : 2871099.5/3

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

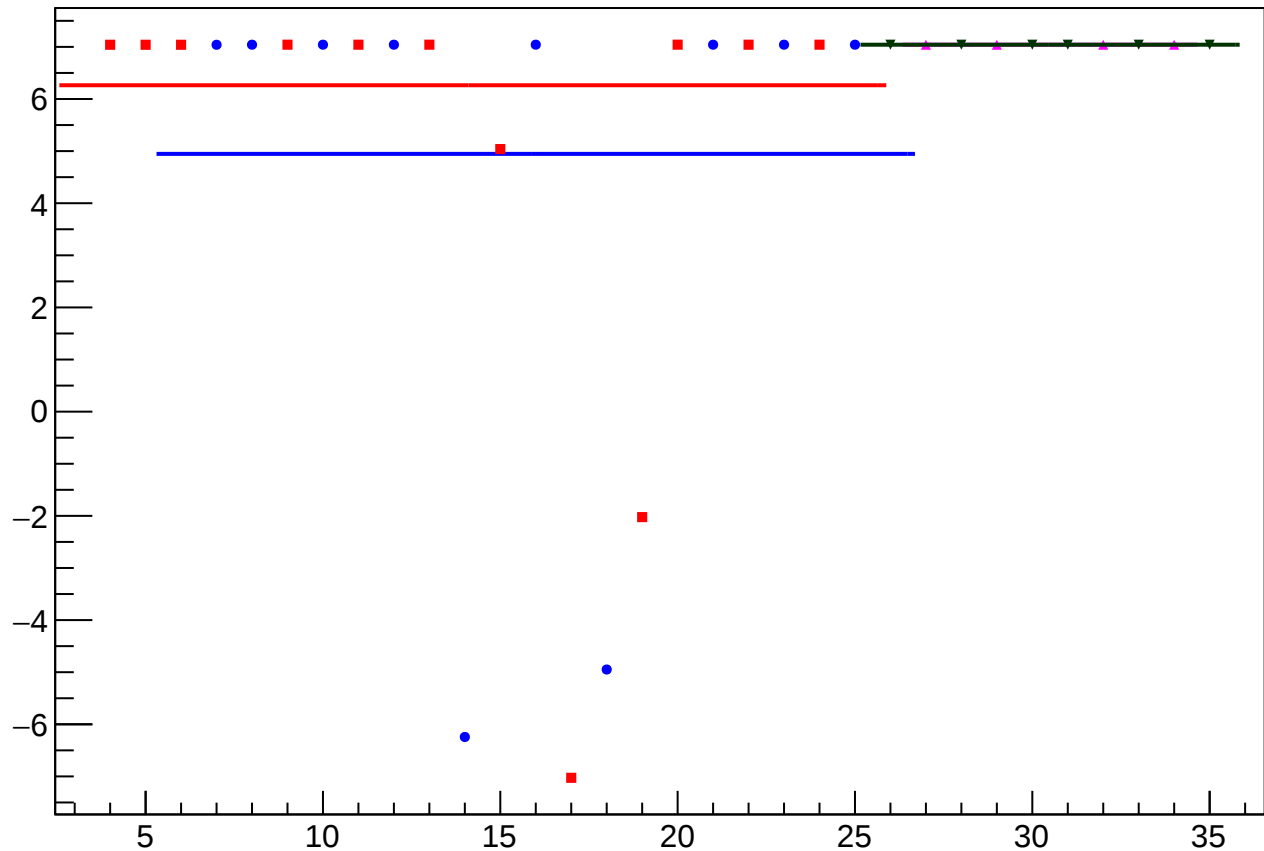
0.003+/-0.000 χ^2/NDF : 978763.5/15

Right Out: 0.003+/-0.000 χ^2/NDF : 615311.7/11

0.003+/-0.000 χ^2/NDF : 703787.4/15

Left In: 0.004+/-0.000 χ^2/NDF :12501.4/3

yield_cav4dX_mean vs slug



Right In: 4.947 $\pm$ 0.000 χ^2 /NDF: 4224474165211712.0/9

Left Out: 7.042 $\pm$ 0.000 χ^2 /NDF: 692498.8/5

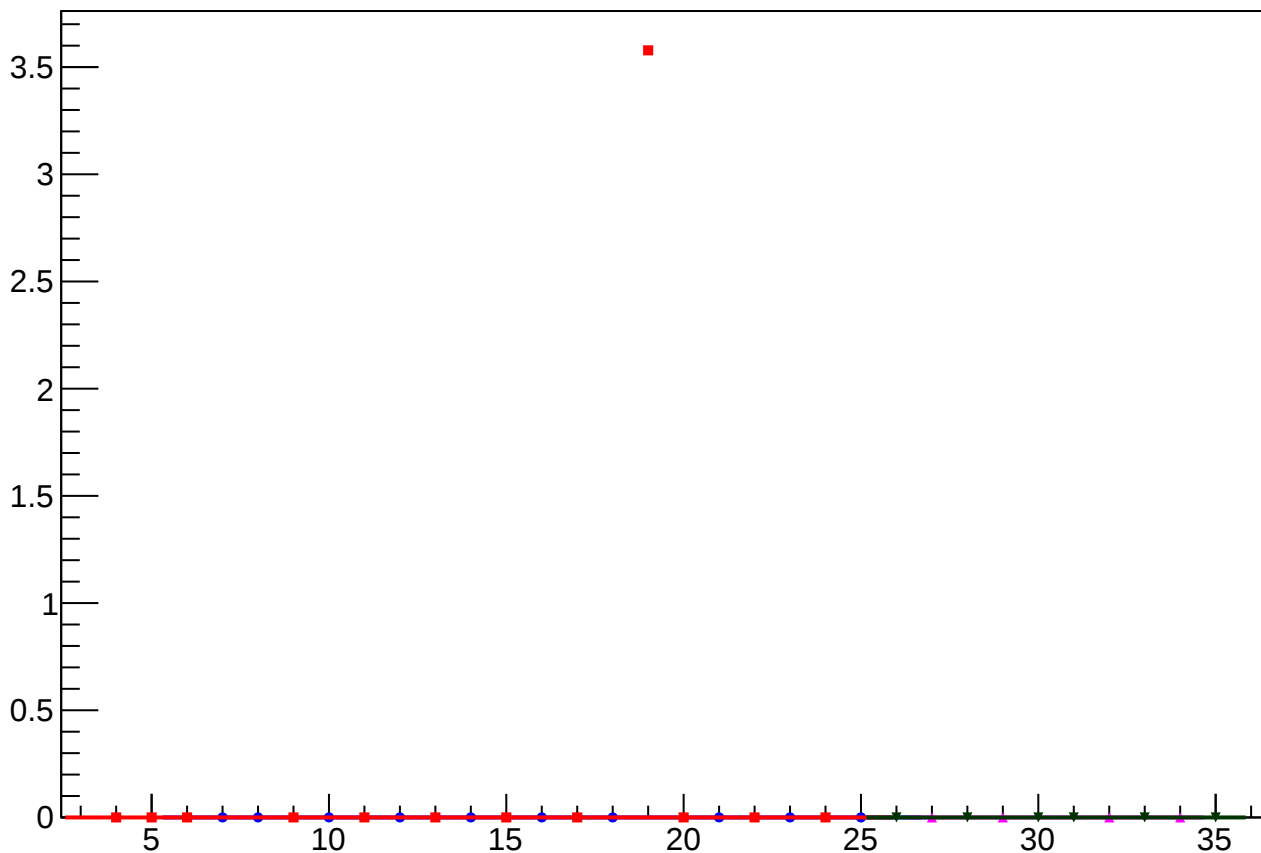
Right Out: 6.264 $\pm$ 0.000 χ^2 /NDF: 1812076141929126.0/11

Left In: 7.042 $\pm$ 0.000 χ^2 /NDF: 177616.3/3

5.760 $\pm$ 0.000 χ^2 /NDF: 4537891566065938.0/1

6.571 $\pm$ 0.000 χ^2 /NDF: 1855318453411363.0/1

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

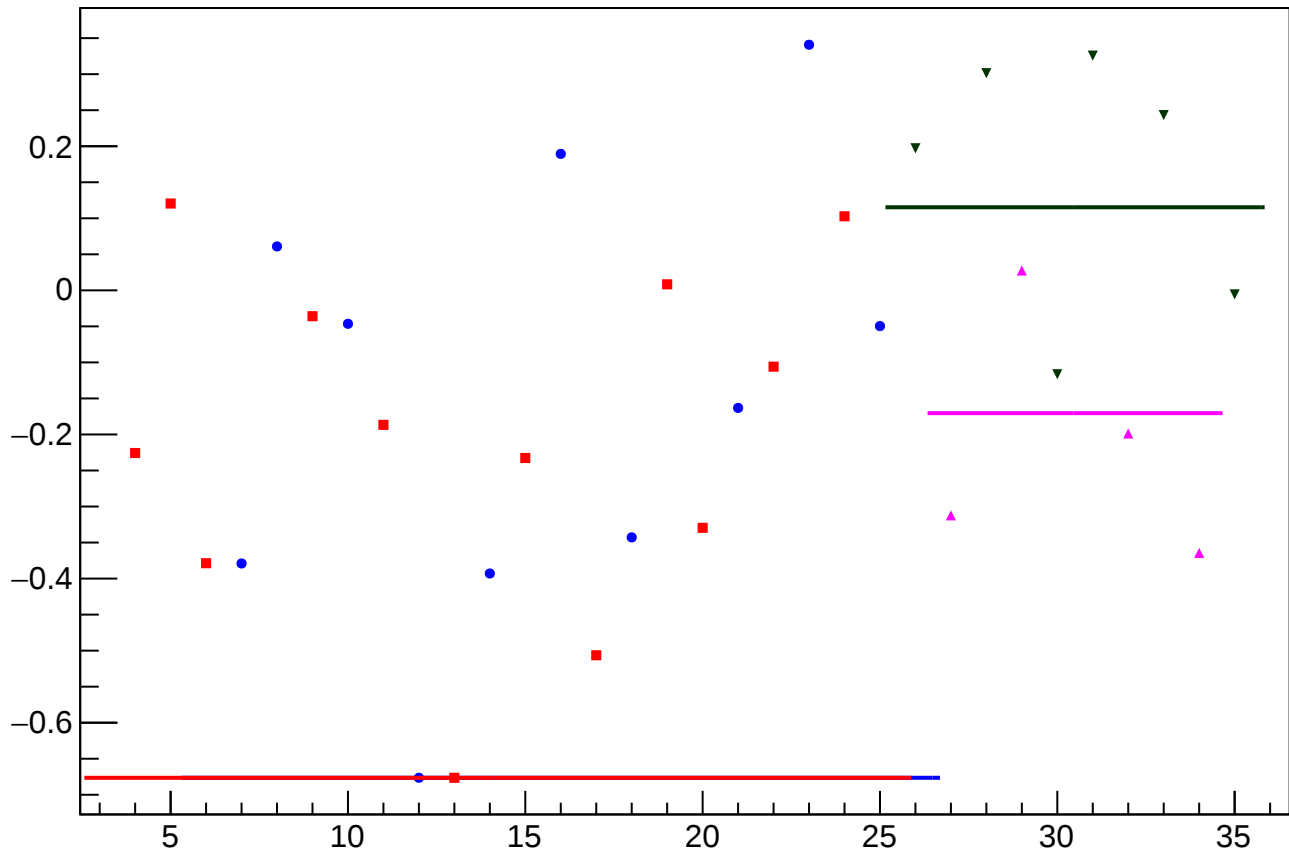
Right Out: 0.000+/-0.000 χ^2 /NDF: 696528.7/11

Left In: 0.000+/-0.000 χ^2 /NDF:842.1/3

0.000+/-0.000 χ^2 /NDF: 3753.5/15

0.000+/-0.000 χ^2 /NDF: 699072.5/15

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

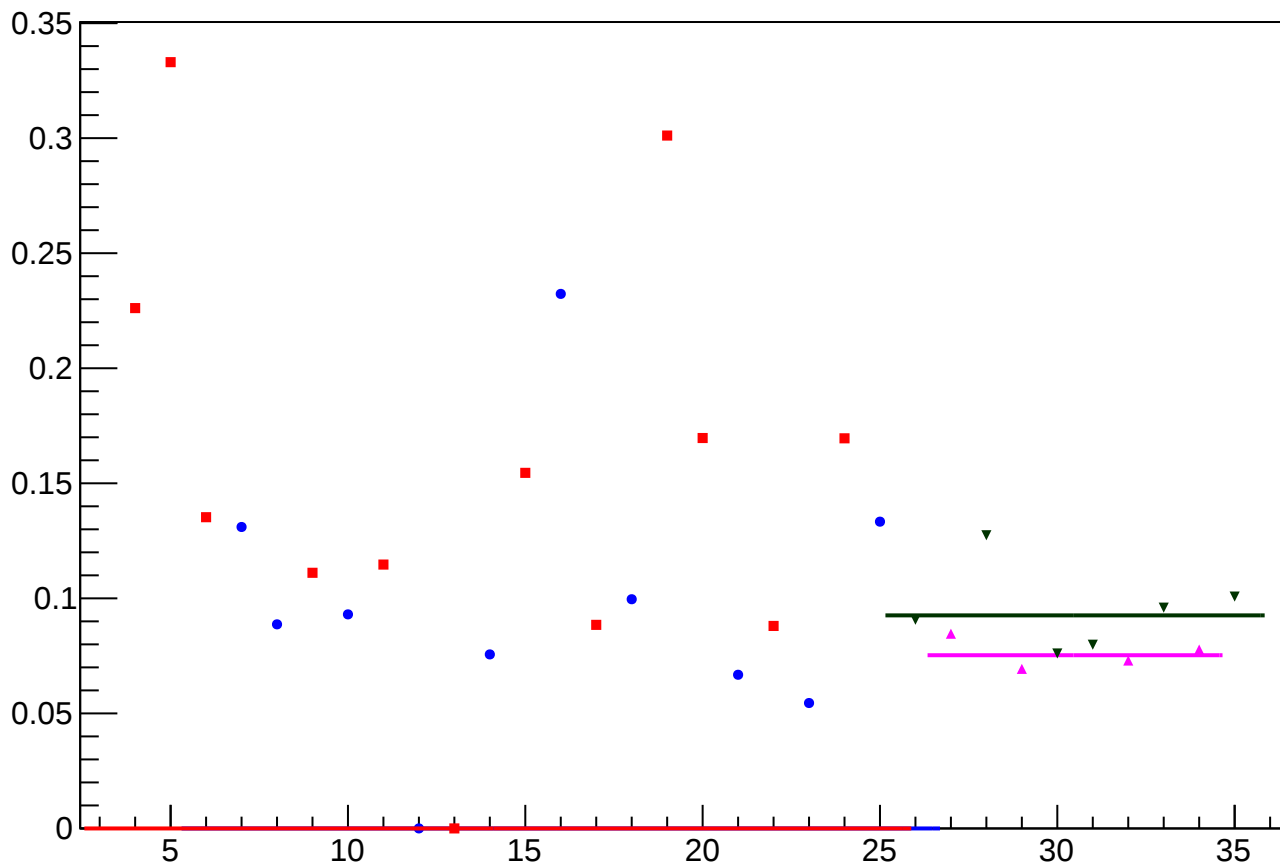
-0.676+/-0.000 χ^2/NDF : 341501075.3/15

Right Out: -0.676+/-0.000 χ^2/NDF : 65929973.4/11

-0.676+/-0.000 χ^2/NDF : 149727993.1/15

Left In: -0.170+/-0.000 χ^2/NDF : 6802706.4/3

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

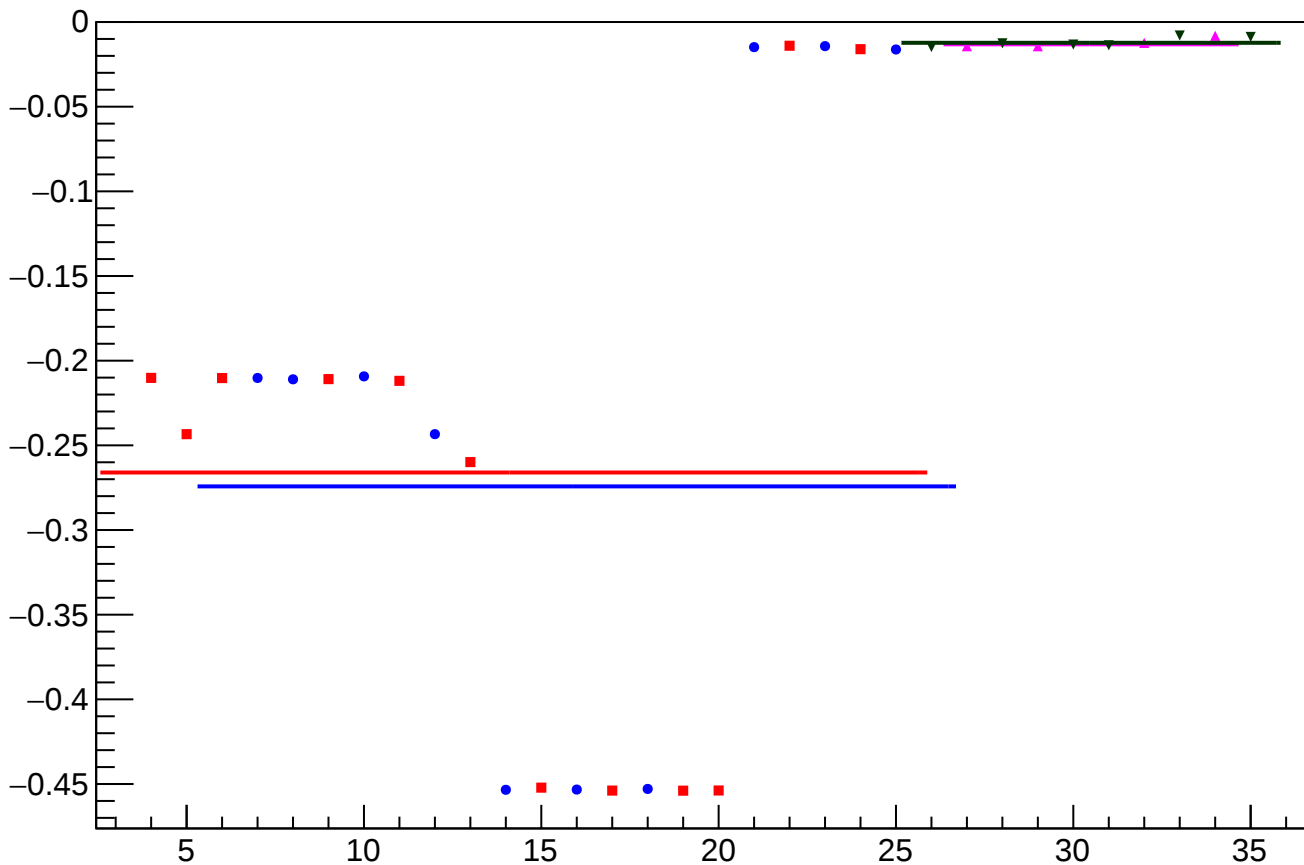
Right Out: 0.000+/-0.000 χ^2/NDF : 8085708.6/11

Left In: 0.075+/-0.000 χ^2/NDF :21907.1/3

0.000+/-0.000 χ^2/NDF : 11737404.0/15

0.000+/-0.000 χ^2/NDF : 11514141.1/15

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

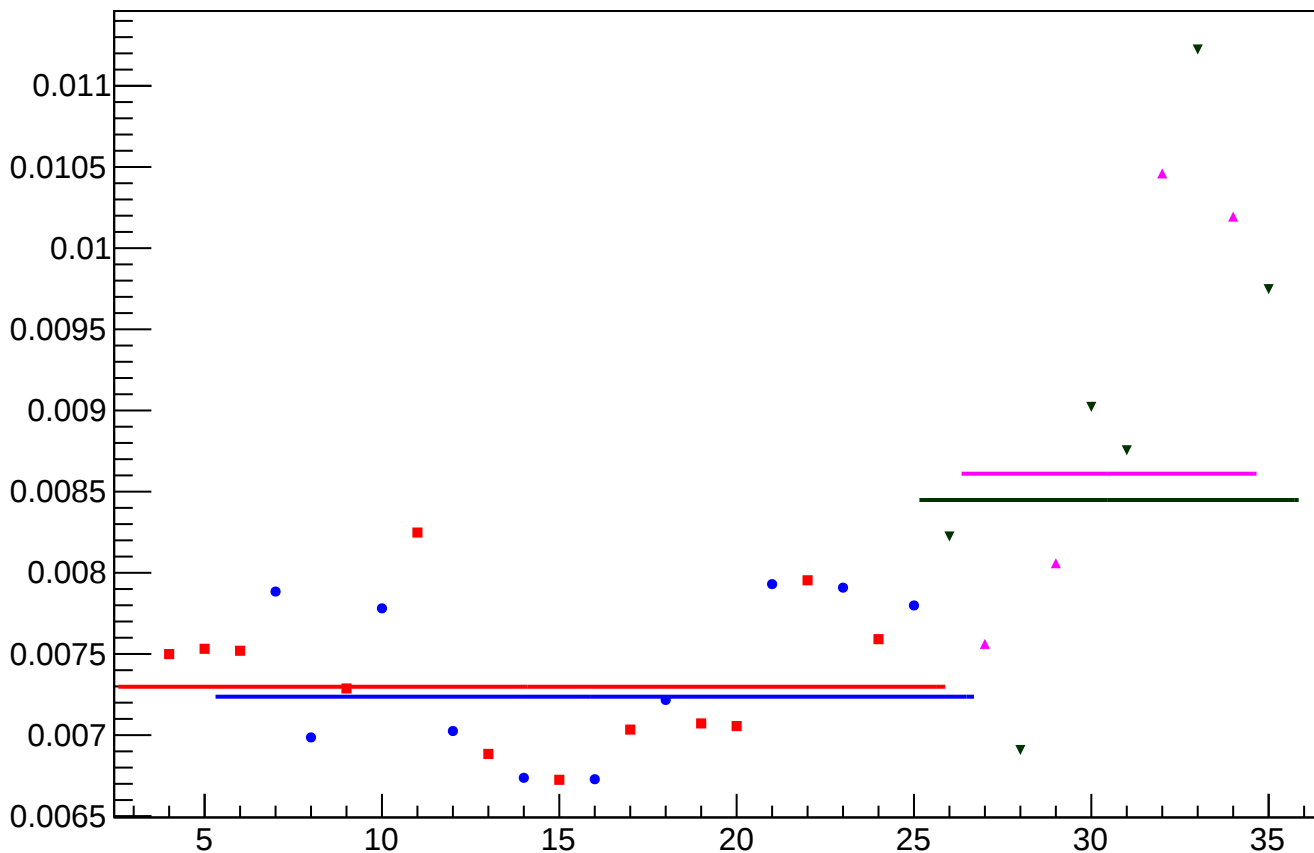
-0.207+/-0.000 χ^2/NDF : 5492598685.5/15

Right Out: -0.266+/-0.000 χ^2/NDF : 2610218769.9/11

-0.203+/-0.000 χ^2/NDF : 4525628575.0/15

Left In: -0.013+/-0.000 χ^2/NDF : 161879.3/3

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

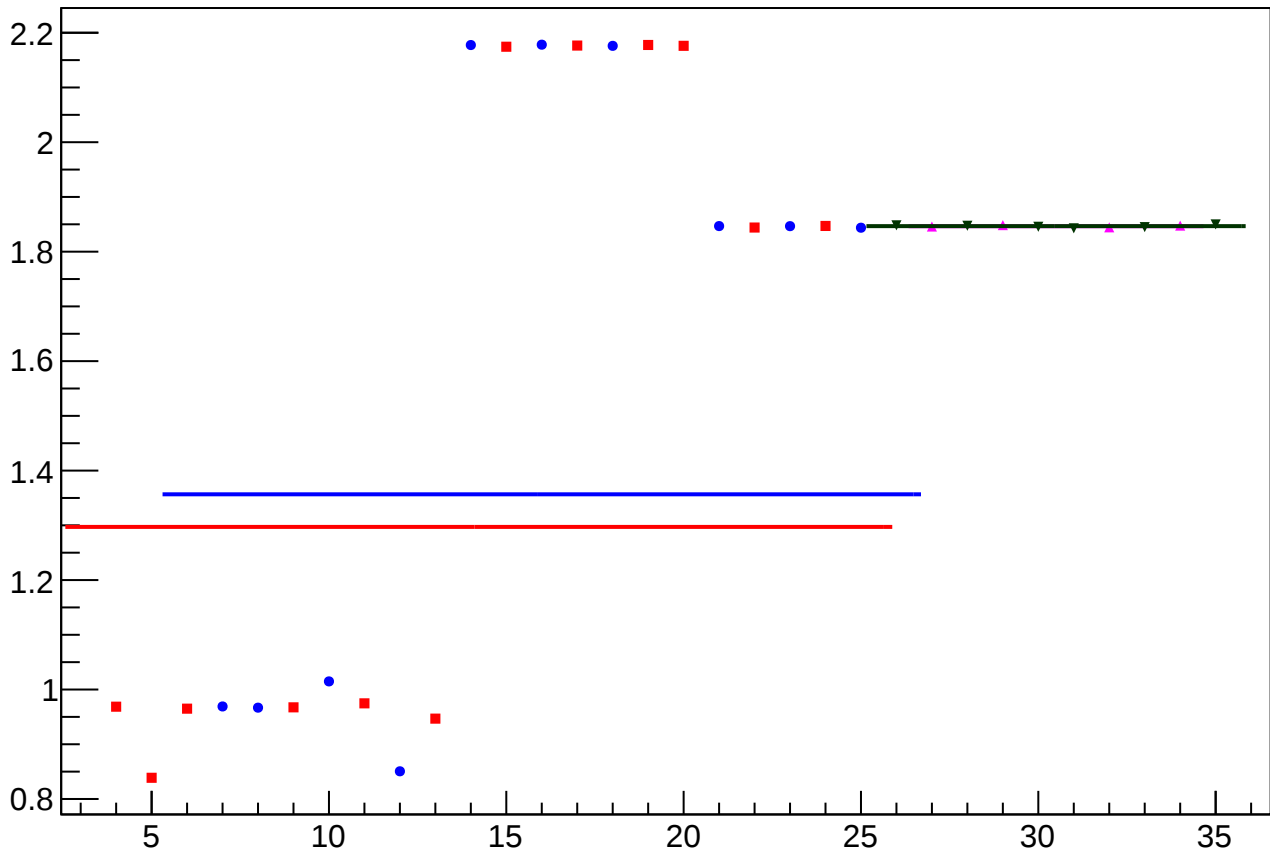
Right Out: 0.007+/-0.000 χ^2/NDF : 46835.5/11

Left In: 0.009+/-0.000 χ^2/NDF :118787.9/3

0.008+/-0.000 χ^2/NDF : 297821.8/15

0.008+/-0.000 χ^2/NDF : 268825.9/15

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

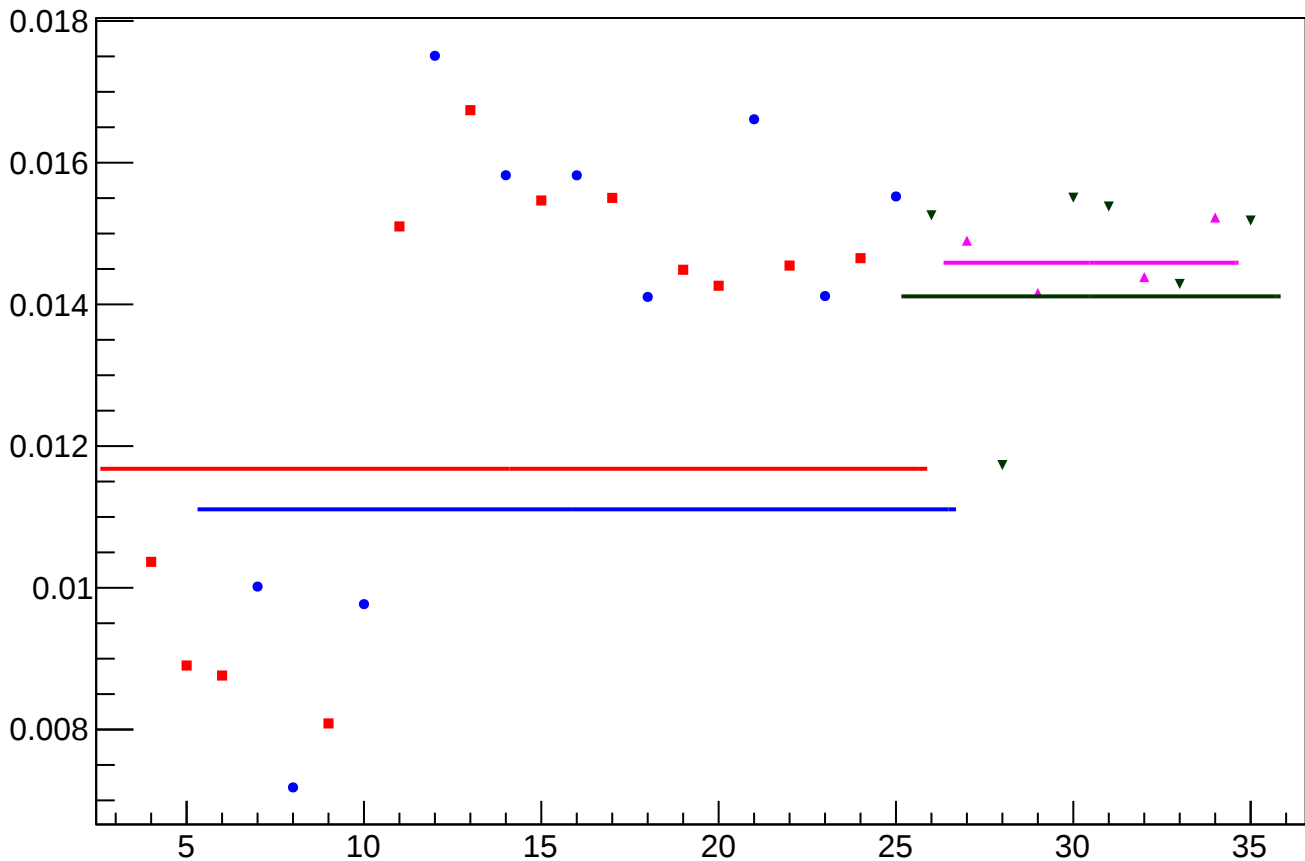
1.477+/-0.000 χ^2/NDF : 15006221167.6/15

Right Out: 1.297+/-0.000 χ^2/NDF : 10947439943.1/11

1.435+/-0.000 χ^2/NDF : 14117312807.5/15

Left In: 1.846+/-0.000 χ^2/NDF : 37187.4/3

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

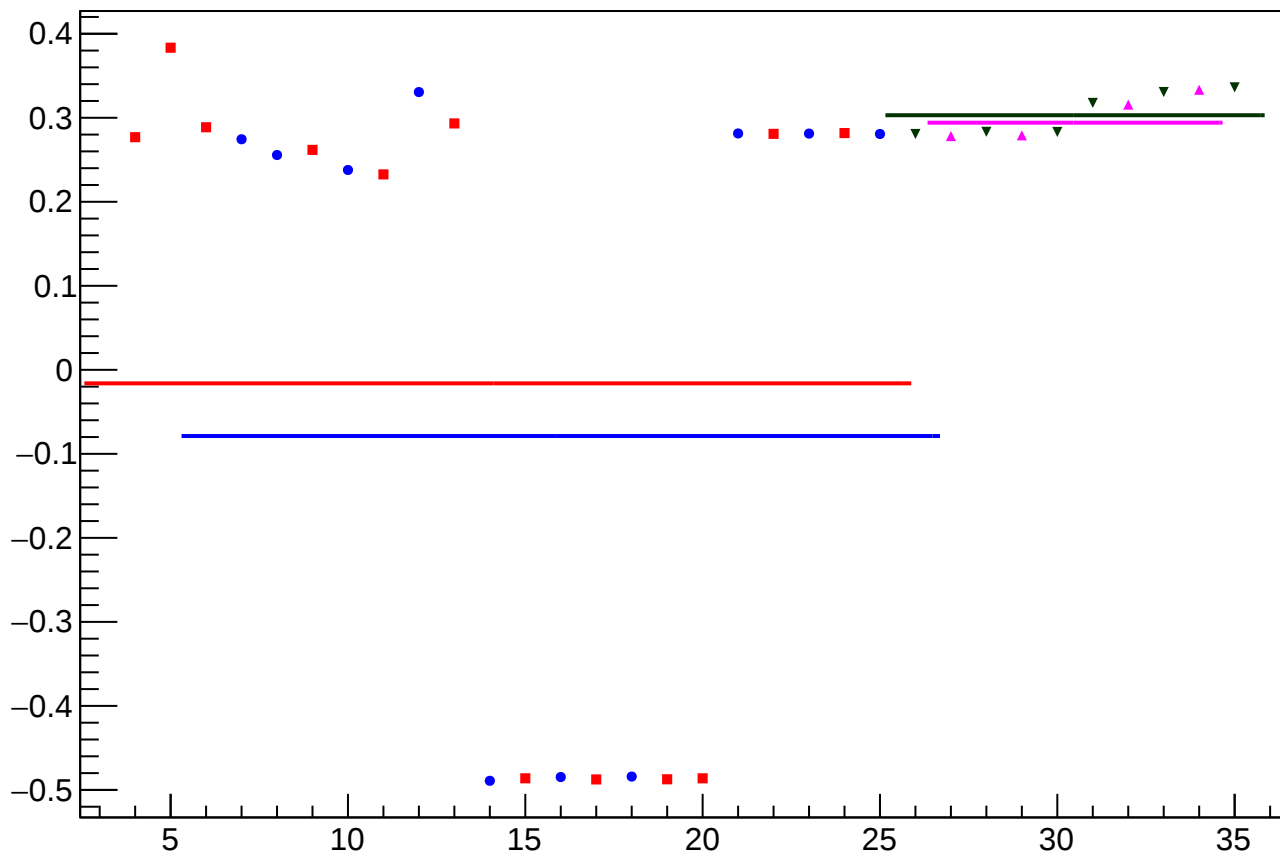
0.012+/-0.000 χ^2/NDF : 1572398.9/15

Right Out: 0.012+/-0.000 χ^2/NDF : 930559.5/11

0.012+/-0.000 χ^2/NDF : 1112453.4/15

Left In: 0.015+/-0.000 χ^2/NDF : 4244.1/3

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

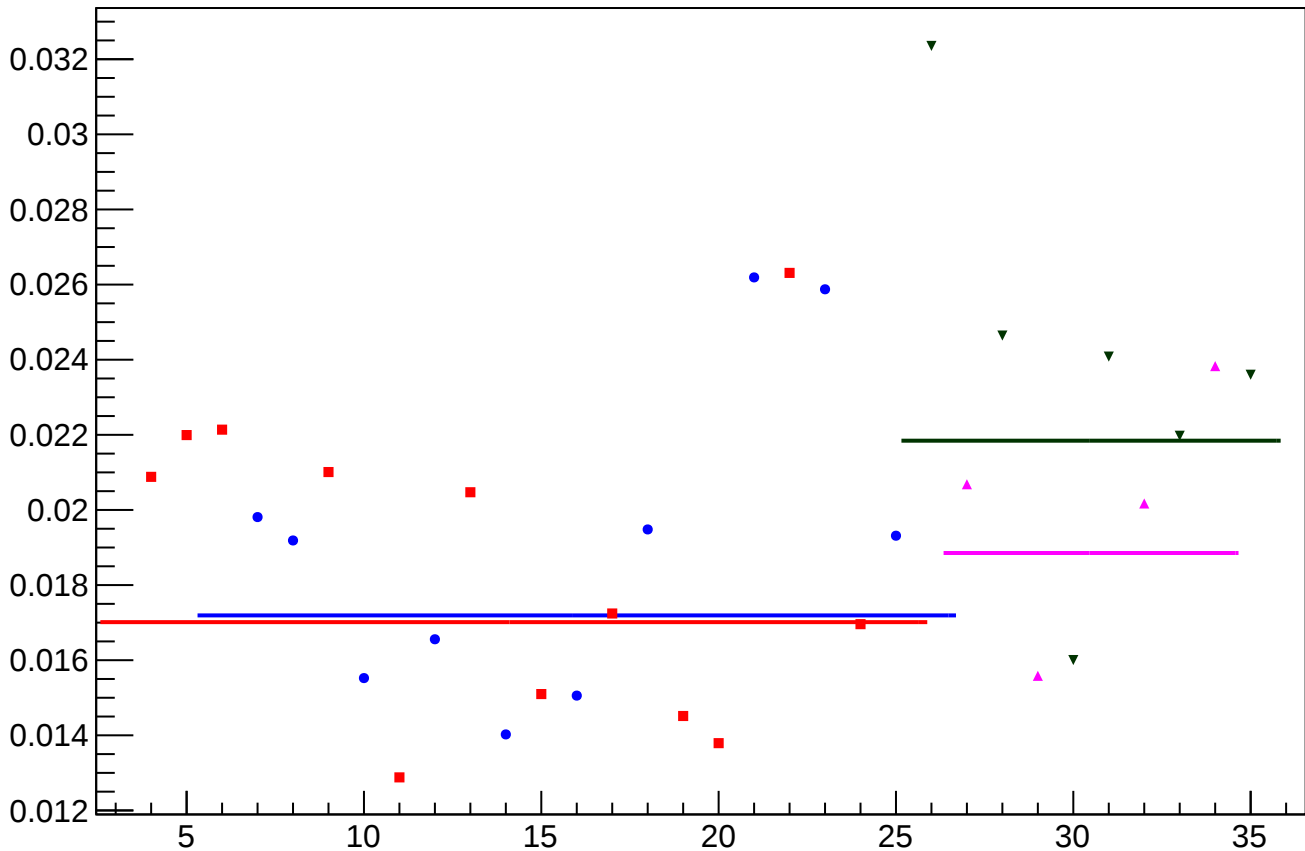
Right Out: -0.016+/-0.000 χ^2/NDF : 2739143286.6/11

Left In: 0.294+/-0.000 χ^2/NDF : 3411093.2/3

0.008+/-0.000 χ^2/NDF : 3562295369.5/15

0.070+/-0.000 χ^2/NDF : 3285822634.0/15

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

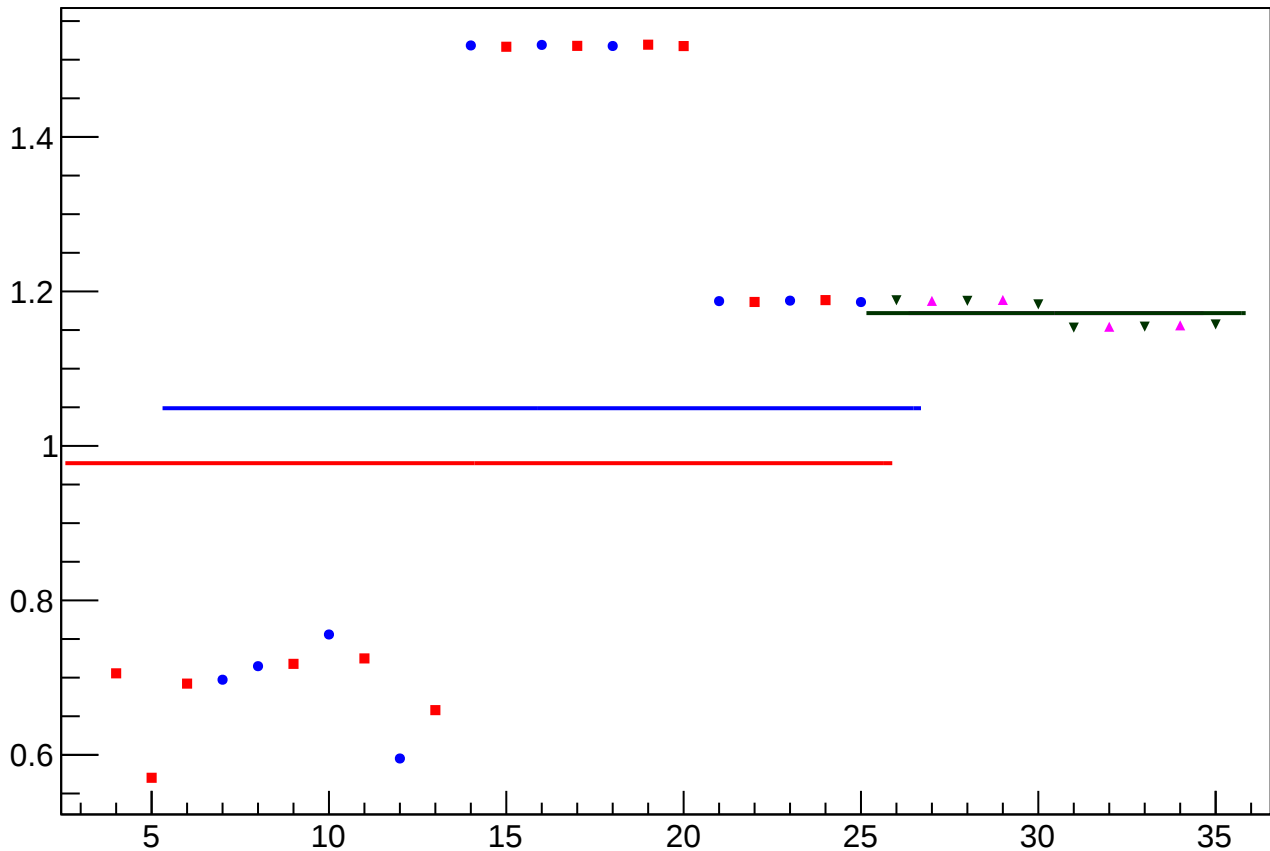
0.018+/-0.000 χ^2/NDF : 932757.1/15

Right Out: 0.017+/-0.000 χ^2/NDF : 541970.9/11

0.018+/-0.000 χ^2/NDF : 709147.5/15

Left In: 0.019+/-0.000 χ^2/NDF :128929.6/3

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

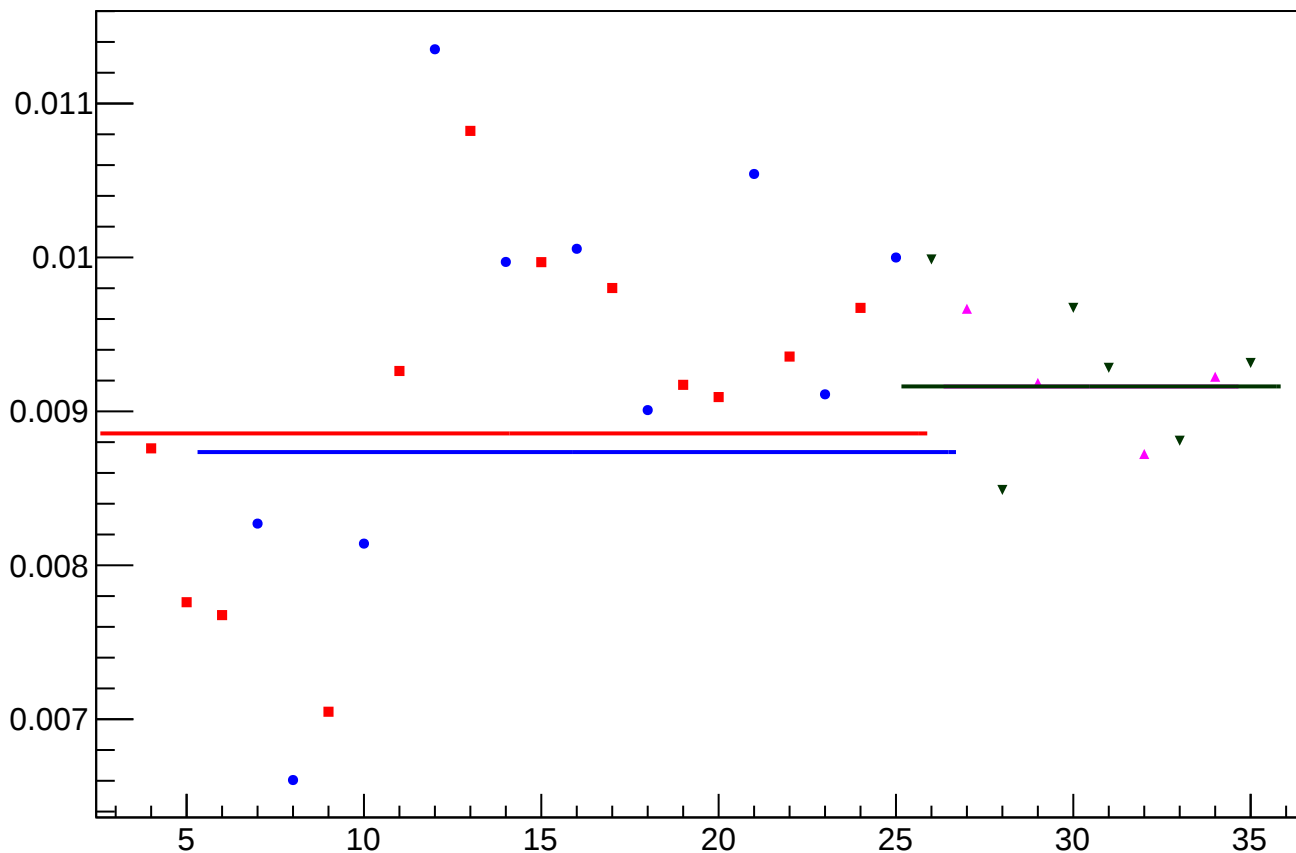
1.087+/-0.000 χ^2/NDF : 10644778129.7/15

Right Out: 0.978+/-0.000 χ^2/NDF : 9897401284.9/11

1.039+/-0.000 χ^2/NDF : 10820983577.2/15

Left In: 1.172+/-0.000 χ^2/NDF : 9886393.2/3

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

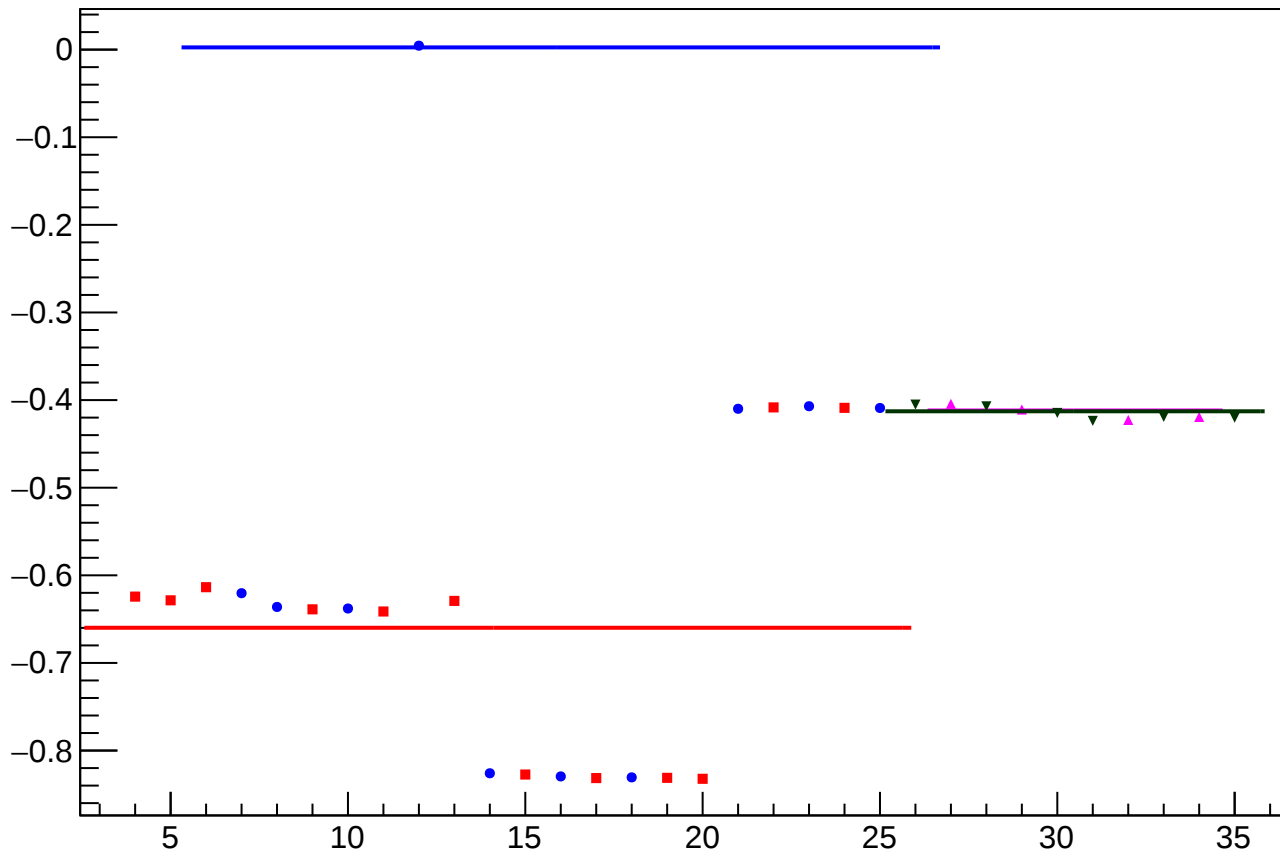
Right Out: 0.009+/-0.000 χ^2/NDF : 223846.5/11

Left In: 0.009+/-0.000 χ^2/NDF :8939.6/3

0.009+/-0.000 χ^2/NDF : 387336.4/15

0.009+/-0.000 χ^2/NDF : 237275.4/15

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

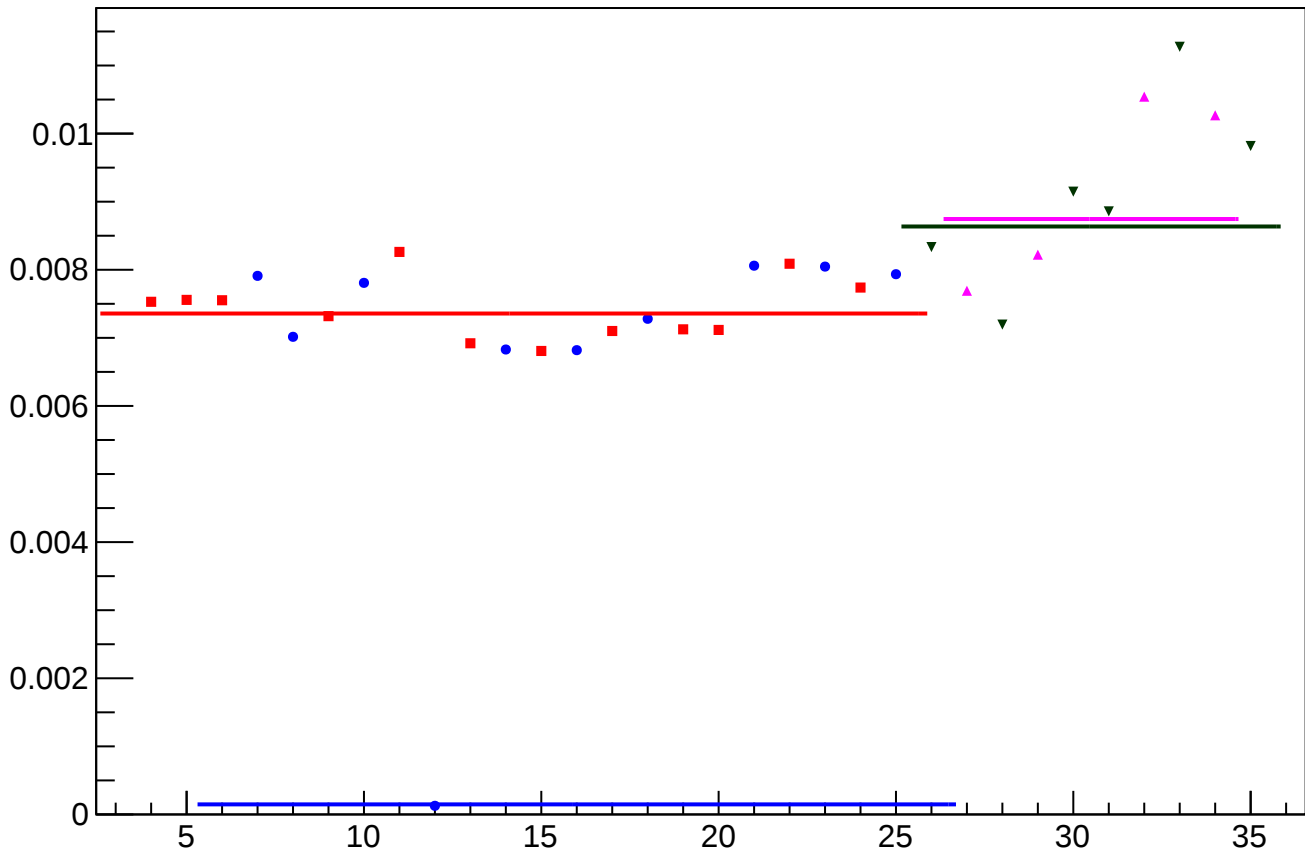
Right Out: -0.660 $\pm$ 0.000 χ^2 /NDF: 2254569212.9/11

Left In: -0.412 $\pm$ 0.000 χ^2 /NDF: 2011669.7/3

0.002 $\pm$ 0.000 χ^2 /NDF: 58878125827.9/15

-0.598 $\pm$ 0.000 χ^2 /NDF: 4053029221.6/15

yield_bpm4acX_rms vs slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 11156093.4/9

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:129469.9/5

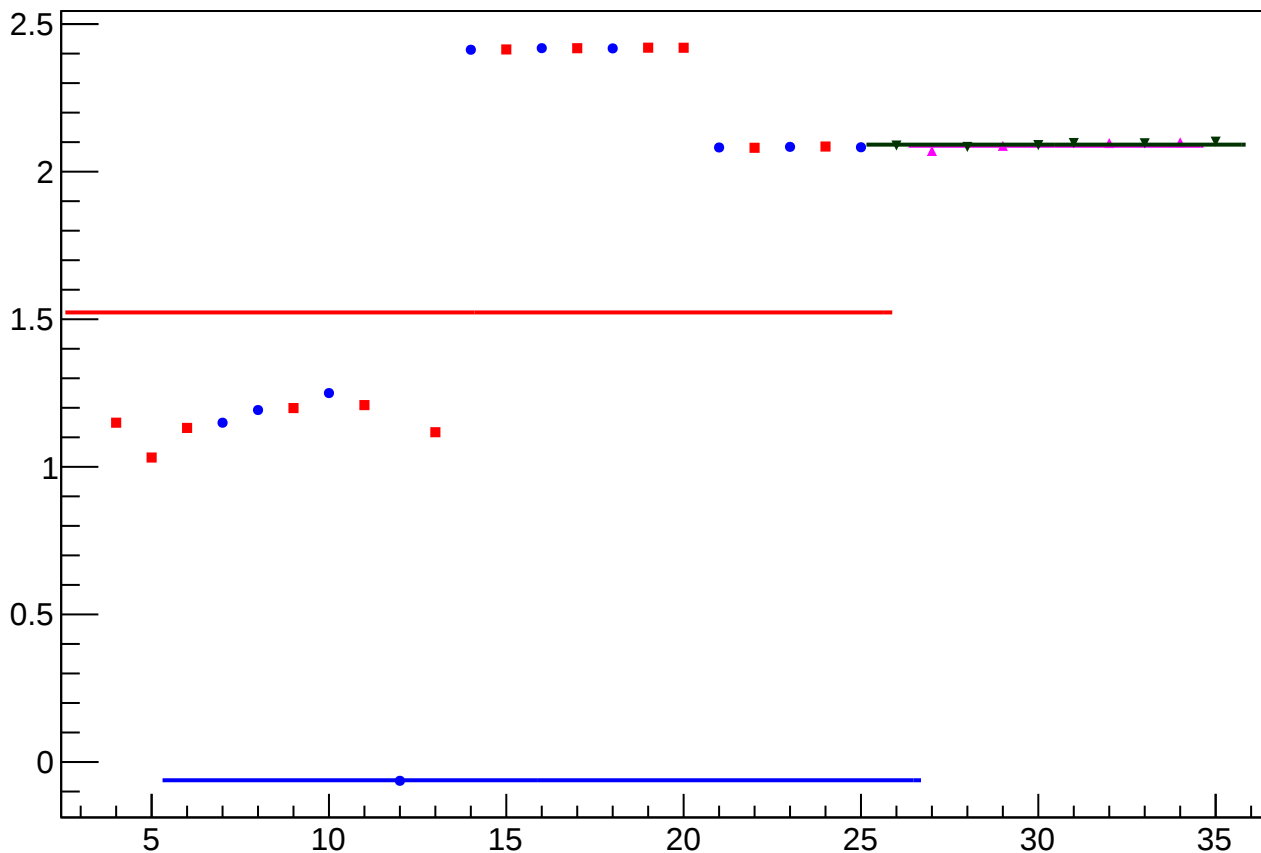
Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 46926.6/11

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:111093.3/3

0.000 $\pm$ 0.000 χ^2 /NDF: 17091718.0/15

0.008 $\pm$ 0.000 χ^2 /NDF: 270544.5/15

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

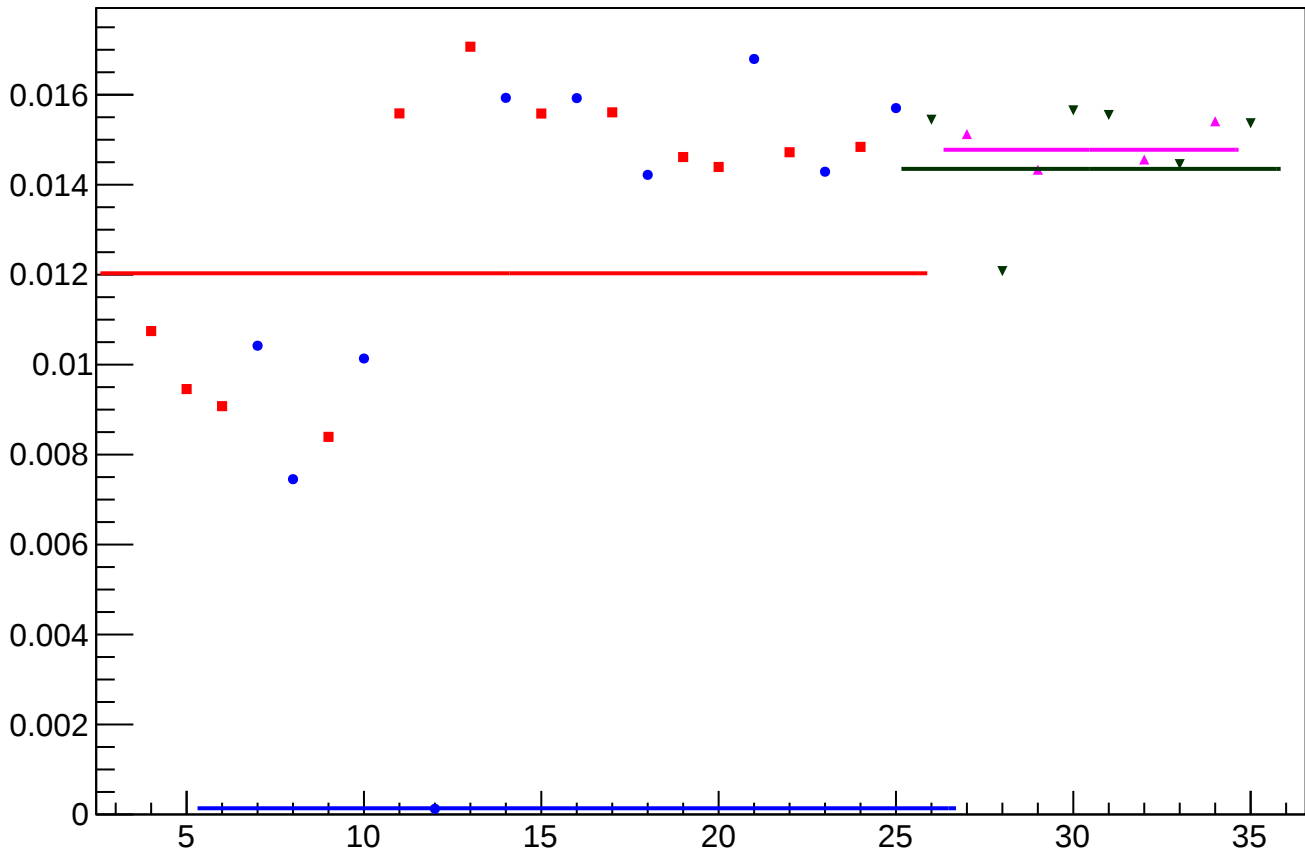
-0.061+/-0.000 χ^2/NDF : 192309977067.3/15

Right Out: 1.523+/-0.000 χ^2/NDF : 11362537231.2/11

1.668+/-0.000 χ^2/NDF : 14598858337.5/15

Left In: 2.088+/-0.000 χ^2/NDF : 1761557.9/3

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

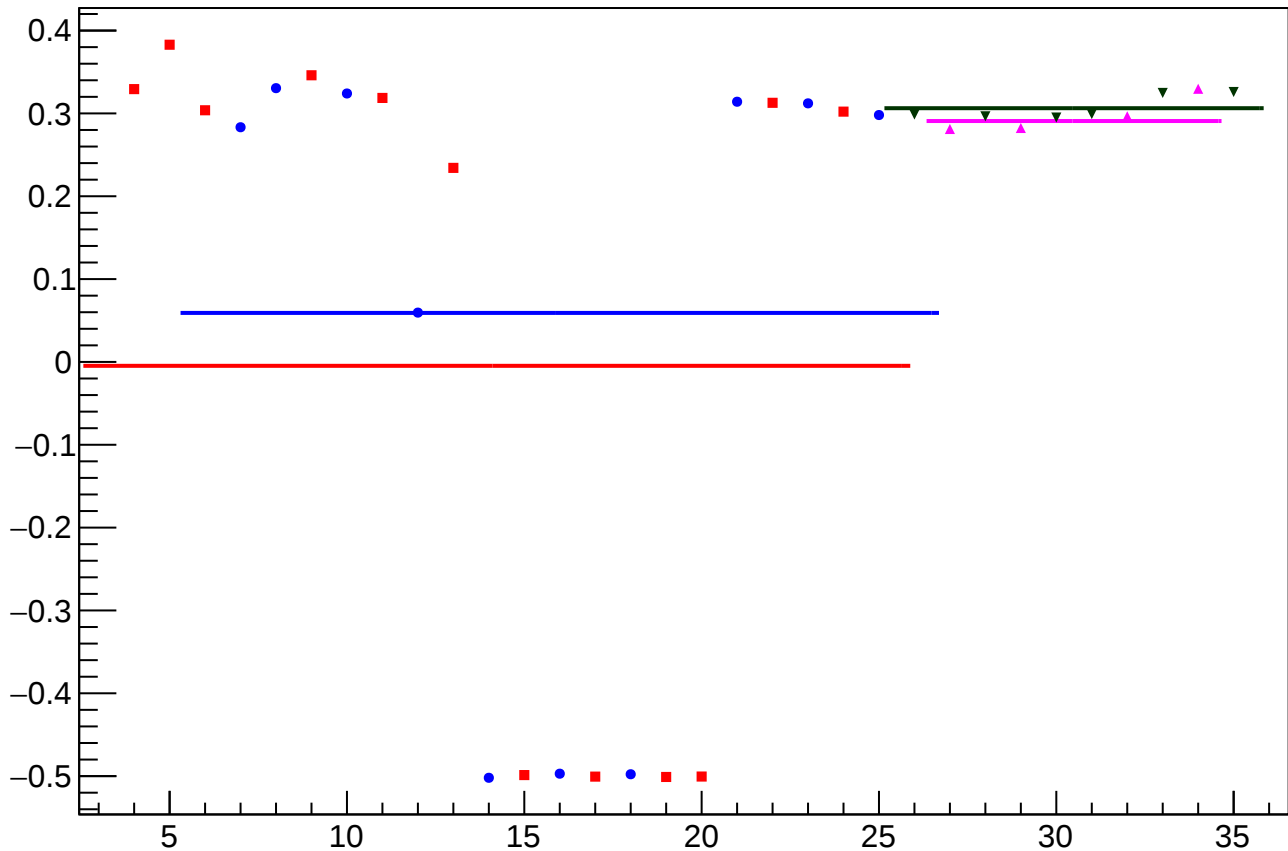
0.000+/-0.000 χ^2/NDF : 16648627.6/15

Right Out: 0.012+/-0.000 χ^2/NDF : 858730.1/11

0.013+/-0.000 χ^2/NDF : 1016274.7/15

Left In: 0.015+/-0.000 χ^2/NDF : 4442.6/3

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

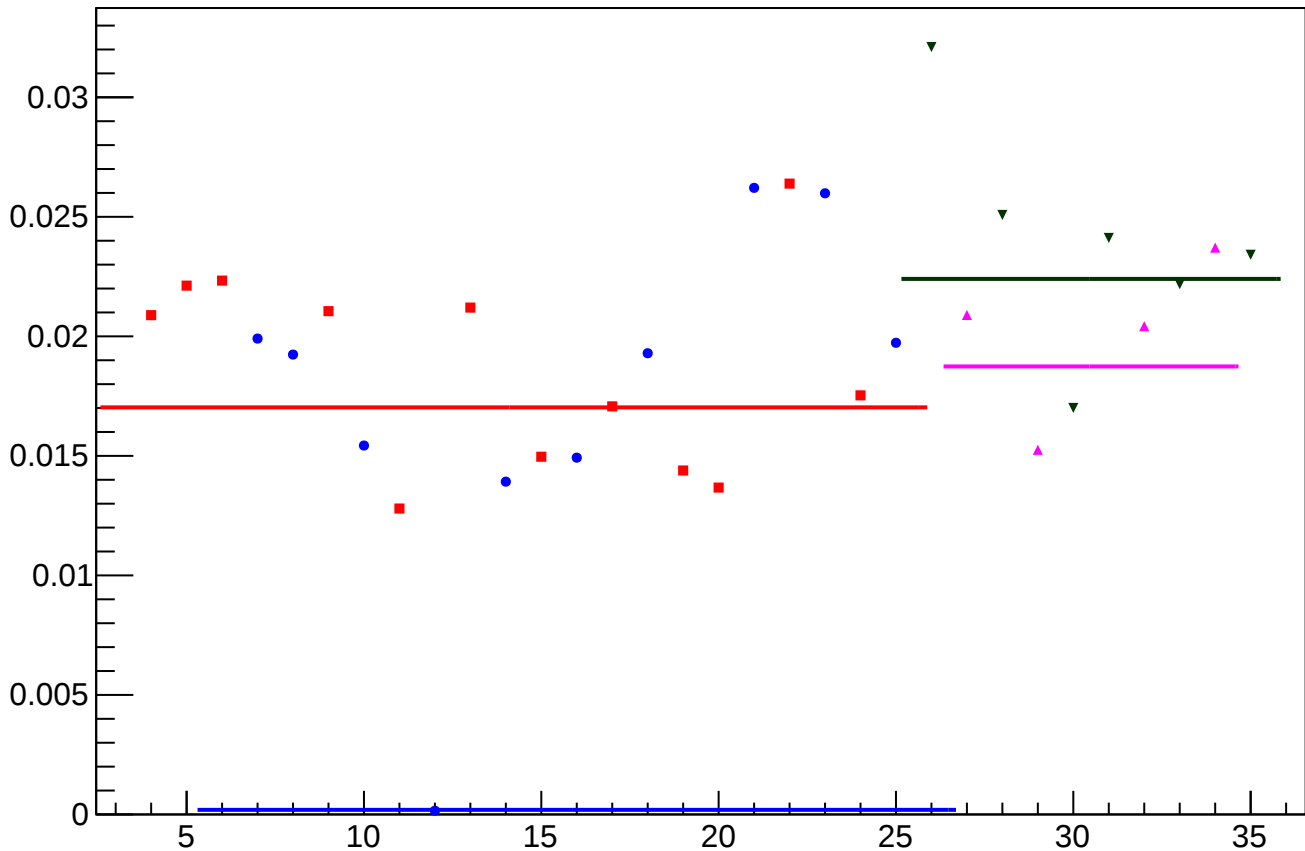
0.059+/-0.000 χ^2/NDF : 3890095548.9/15

Right Out: -0.005+/-0.000 χ^2/NDF : 3140963258.0/11

0.078+/-0.000 χ^2/NDF : 3640574214.7/15

Left In: 0.291+/-0.000 χ^2/NDF :1788662.2/3

yield_bpm4ecX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 10989835.4/9

Left Out: 0.022+/-0.000 χ^2/NDF : 203309.6/5

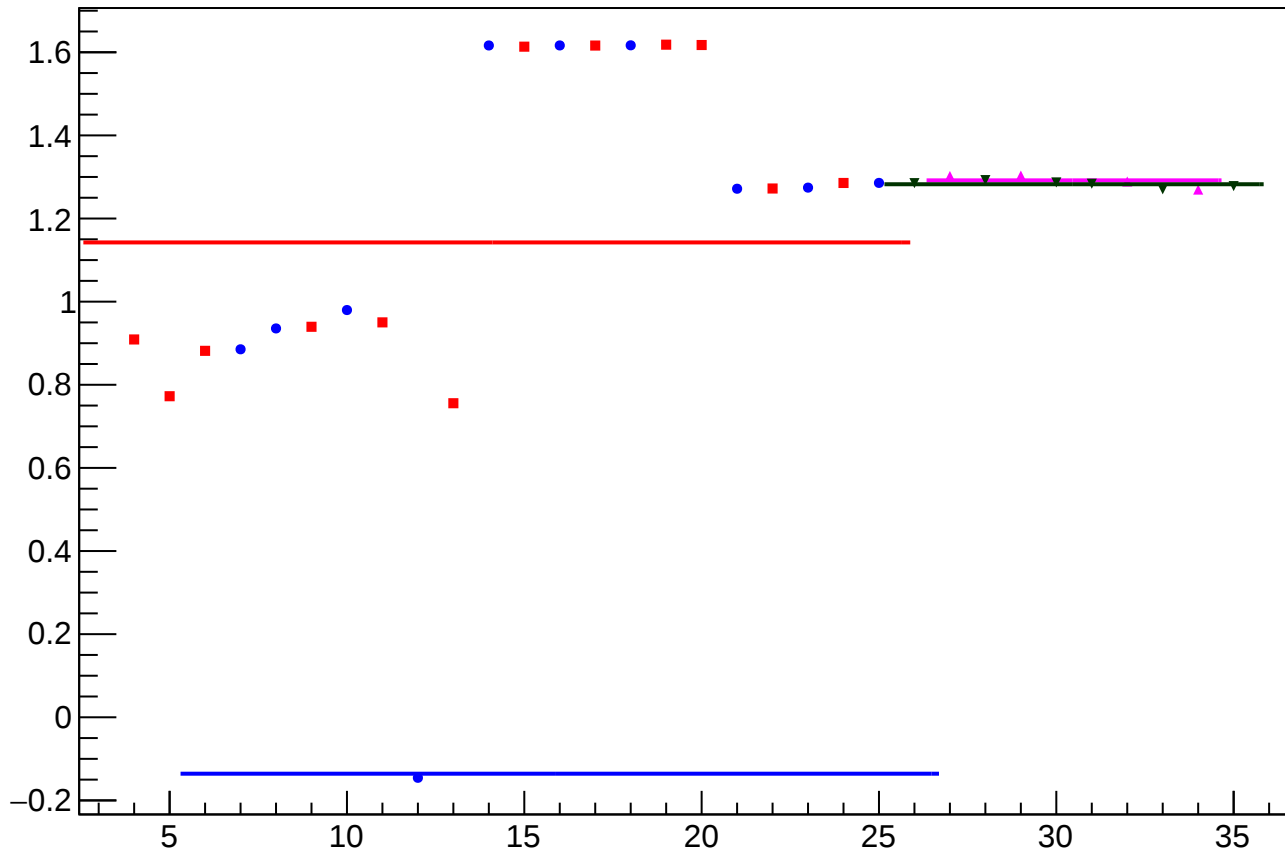
0.000+/-0.000 χ^2/NDF : 16814119.4/15

Right Out: 0.017+/-0.000 χ^2/NDF : 584593.5/11

0.018+/-0.000 χ^2/NDF : 769330.9/15

Left In: 0.019+/-0.000 χ^2/NDF : 151311.7/3

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

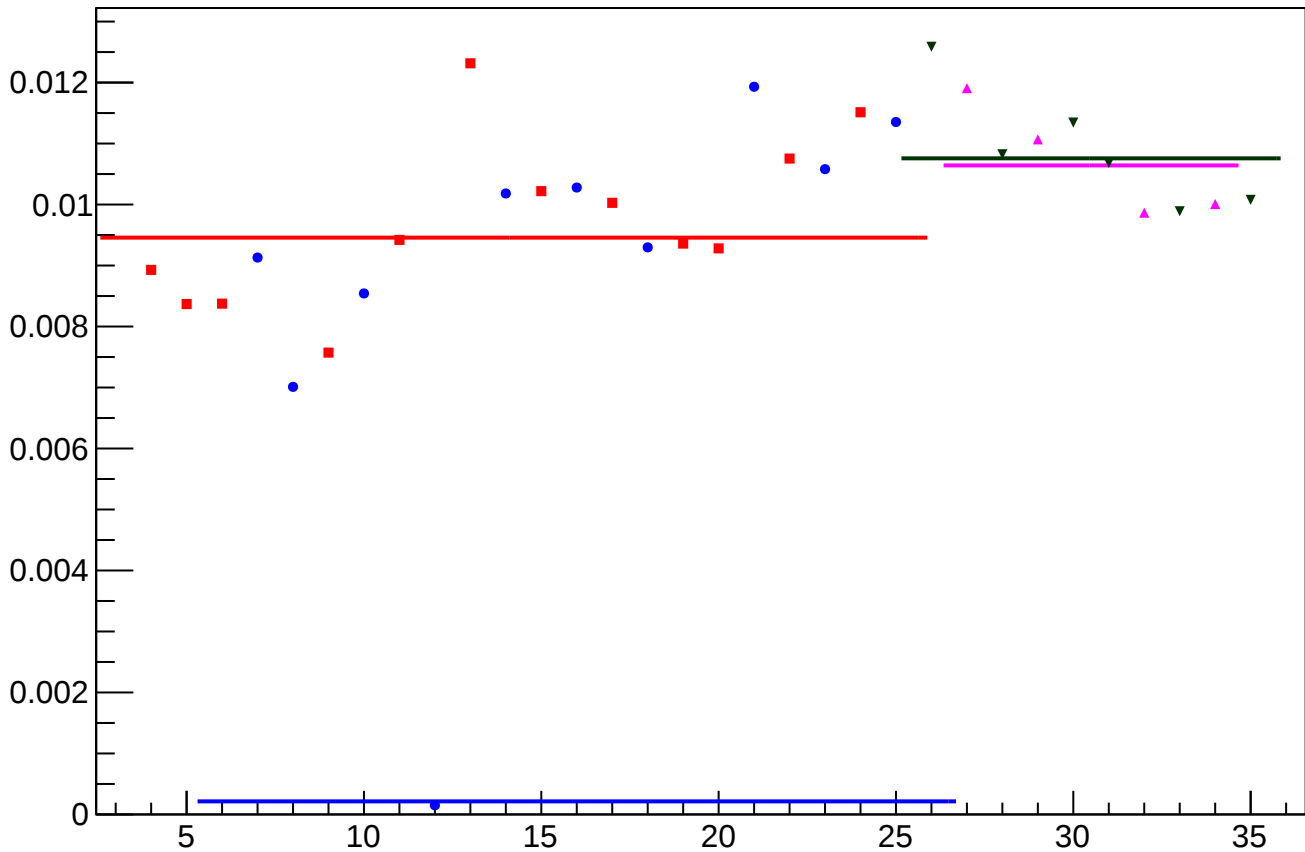
-0.132+/-0.000 χ^2/NDF : 182575494196.1/15

Right Out: 1.142+/-0.000 χ^2/NDF : 7015082012.3/11

1.184+/-0.000 χ^2/NDF : 7438305997.0/15

Left In: 1.292+/-0.000 χ^2/NDF :3986936.3/3

yield_bpm4ecY_rms vs slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 10811399.3/9

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 34672.0/5

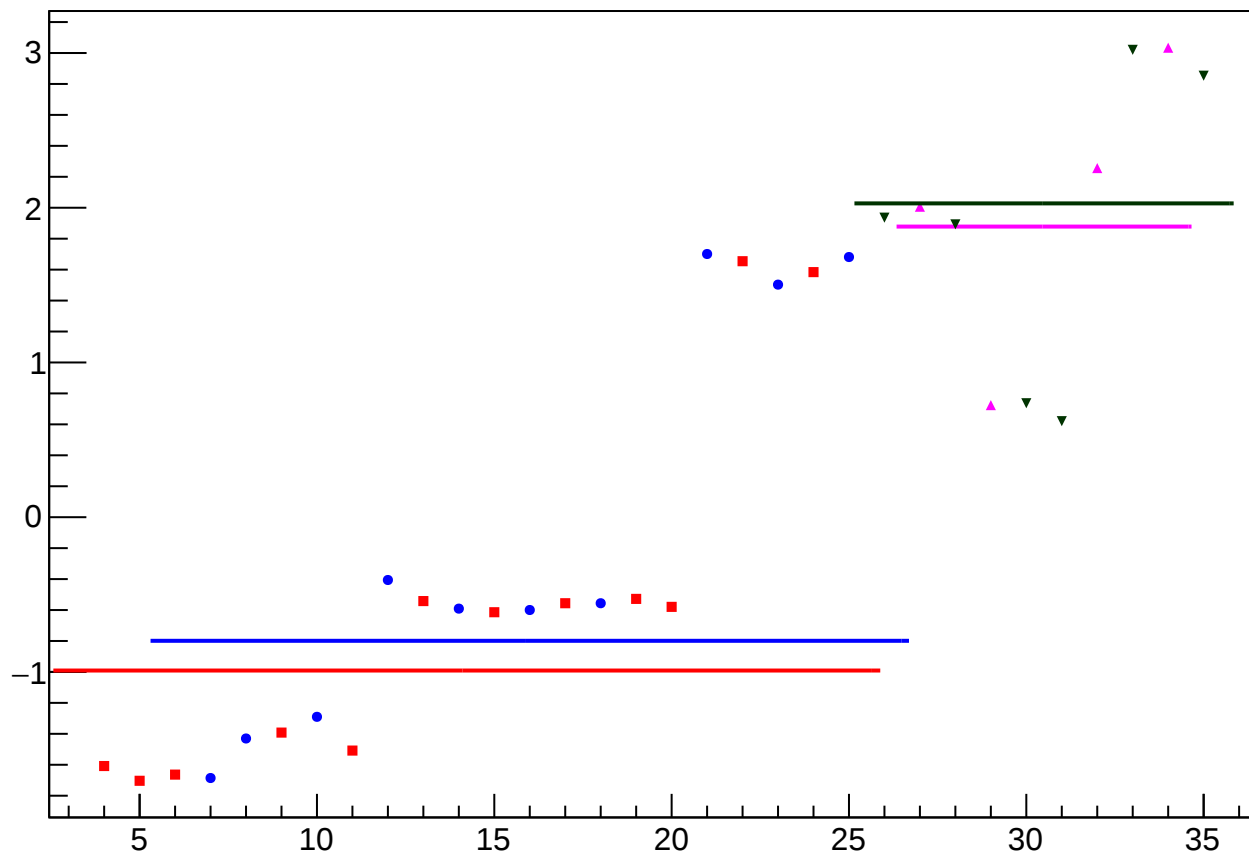
0.000 $\pm$ 0.000 χ^2 /NDF: 16530057.6/15

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 269492.1/11

0.010 $\pm$ 0.000 χ^2 /NDF: 357923.8/15

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 35708.7/3

yield_bpm1X_mean vs slug



Right In: -0.799+/-0.000 χ^2/NDF : 2108272061.1/9

Left Out: 2.028+/-0.000 χ^2/NDF : 86867962.4/5

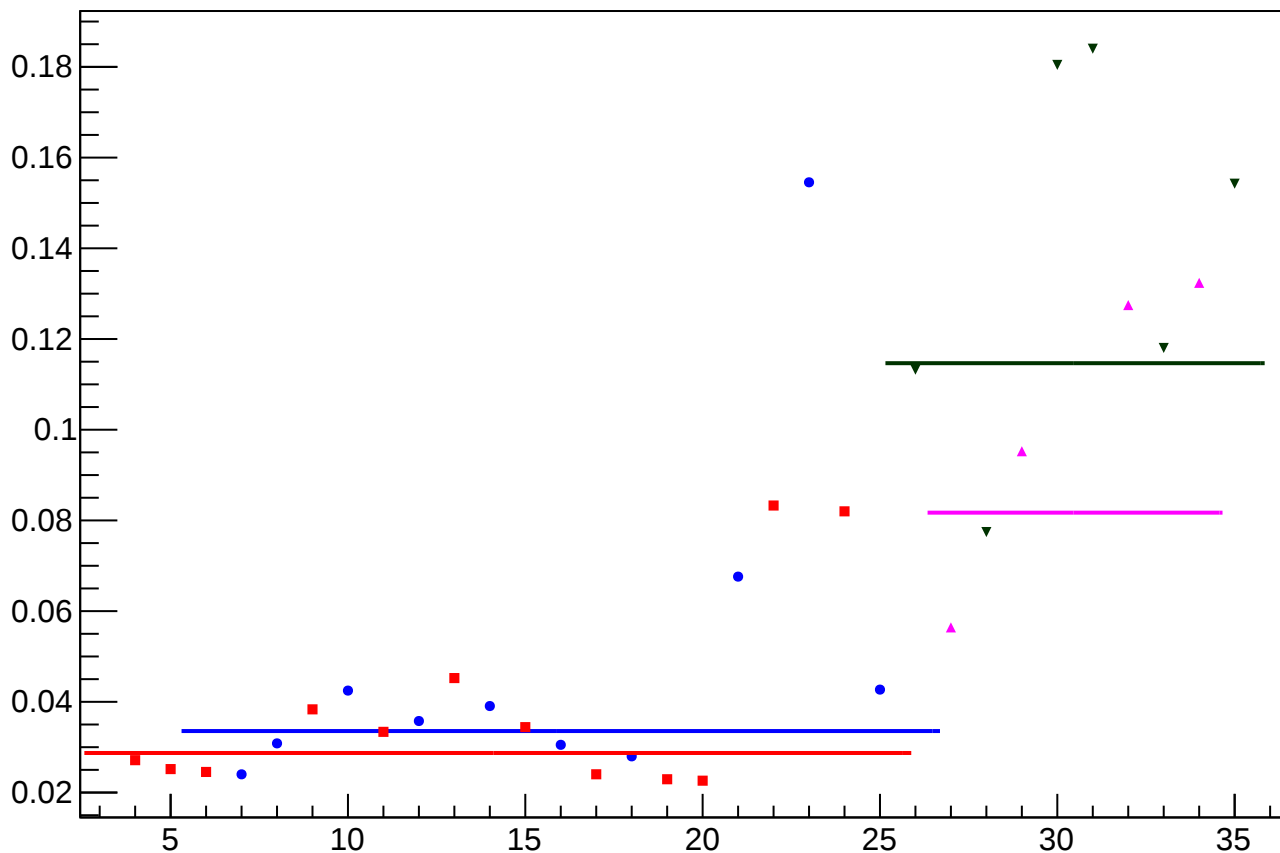
Right Out: -0.991+/-0.000 χ^2/NDF : 2016562689.3/11

Left In: 1.878+/-0.000 χ^2/NDF : 122162963.5/3

-0.681+/-0.000 χ^2/NDF : 3483972835.3/15

-0.843+/-0.000 χ^2/NDF : 4430380682.7/15

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

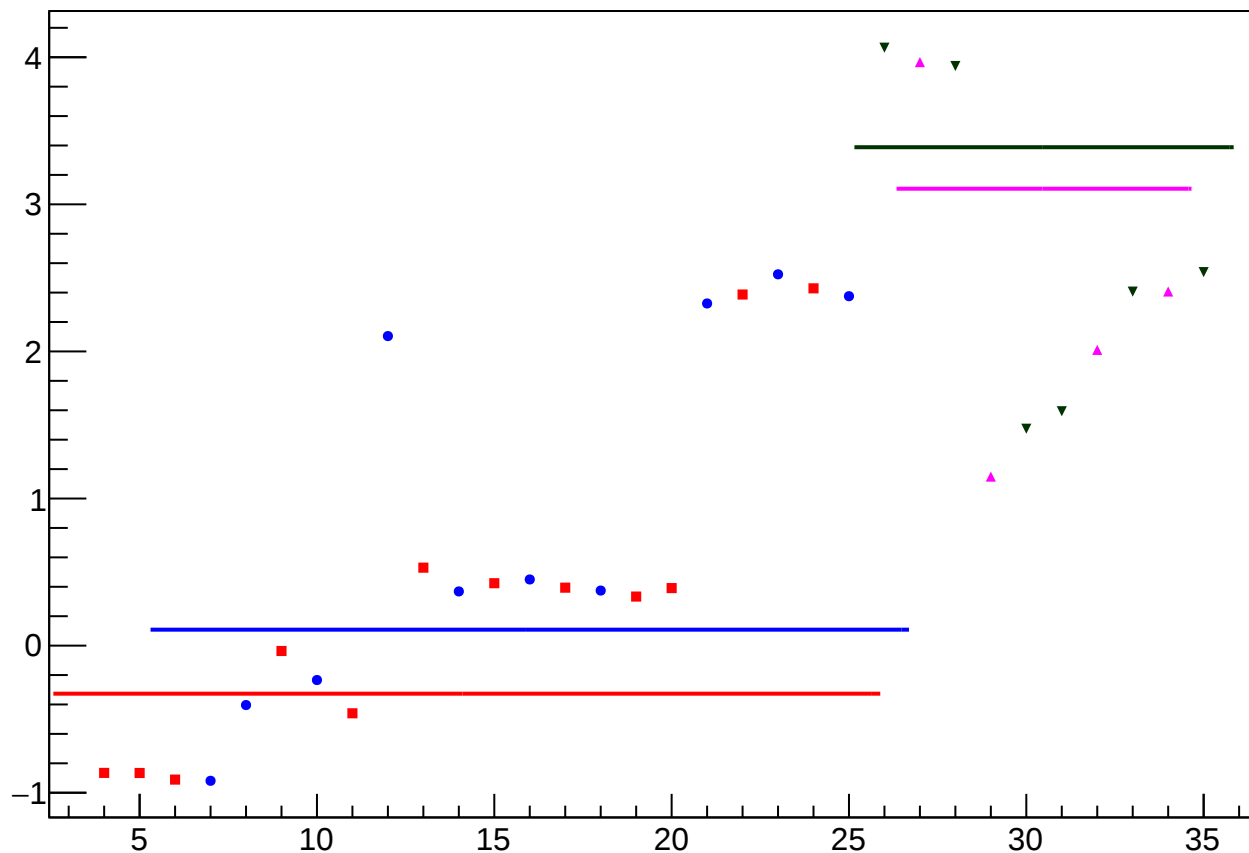
Right Out: 0.029+/-0.000 χ^2/NDF : 965052.5/11

Left In: 0.082+/-0.000 χ^2/NDF : 551774.1/3

0.037+/-0.000 χ^2/NDF : 3622253.5/15

0.031+/-0.000 χ^2/NDF : 3080266.9/15

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

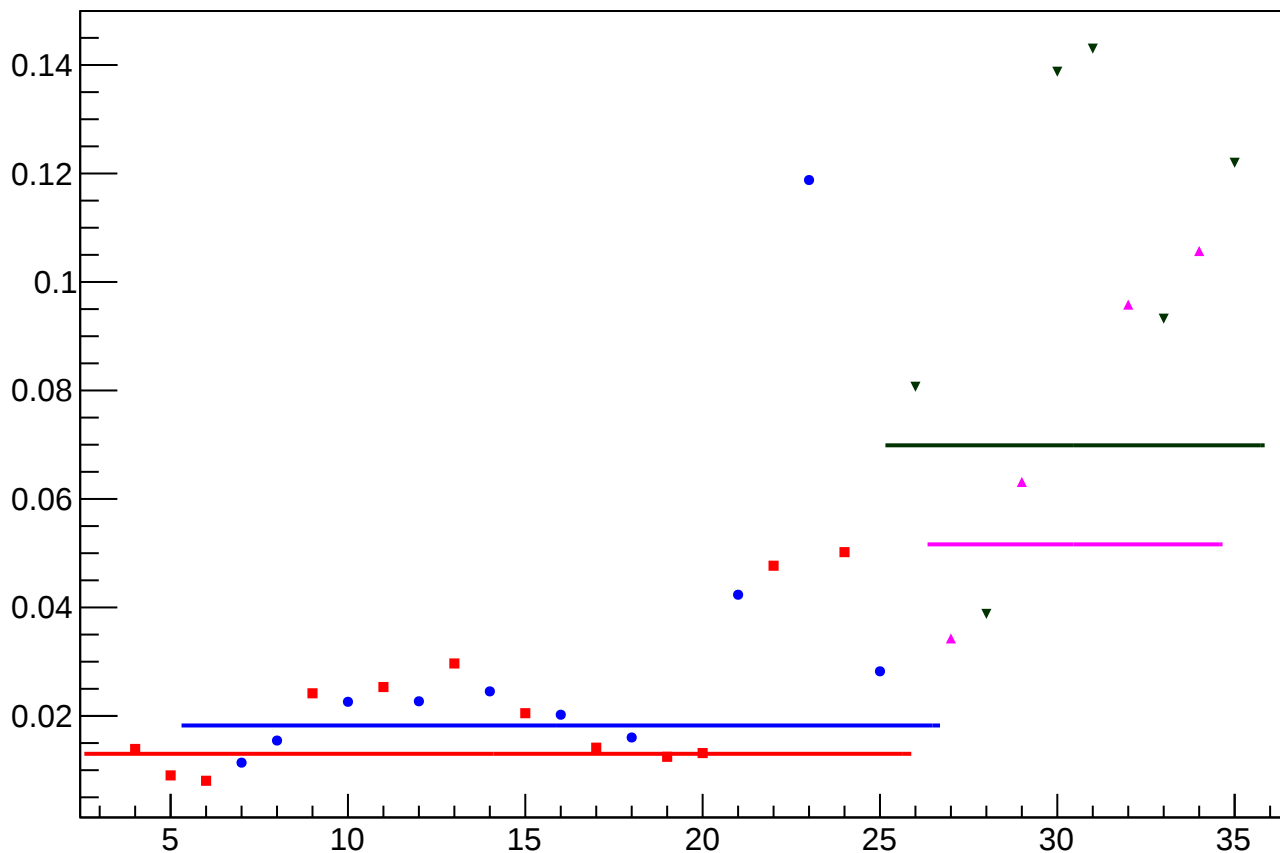
Right Out: -0.327+/-0.000 χ^2/NDF : 9287320551.8/11

Left In: 3.106+/-0.000 χ^2/NDF :854711491.3/3

0.215+/-0.000 χ^2/NDF : 12253072573.3/15

-0.226+/-0.000 χ^2/NDF : 17347554870.4/15

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

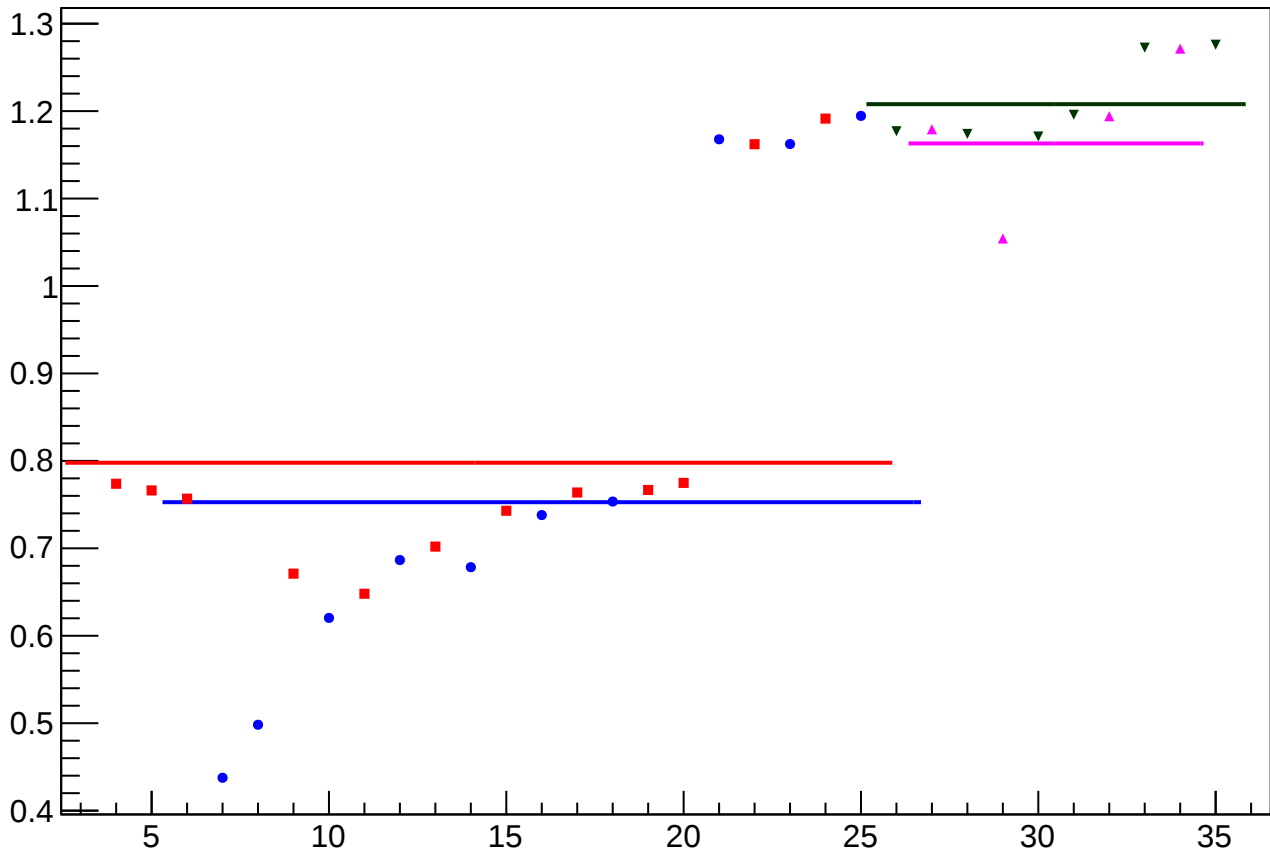
Right Out: 0.013+/-0.000 χ^2/NDF : 1857519.6/11

Left In: 0.052+/-0.000 χ^2/NDF : 800904.1/3

0.020+/-0.000 χ^2/NDF : 4244570.2/15

0.014+/-0.000 χ^2/NDF : 4481529.2/15

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

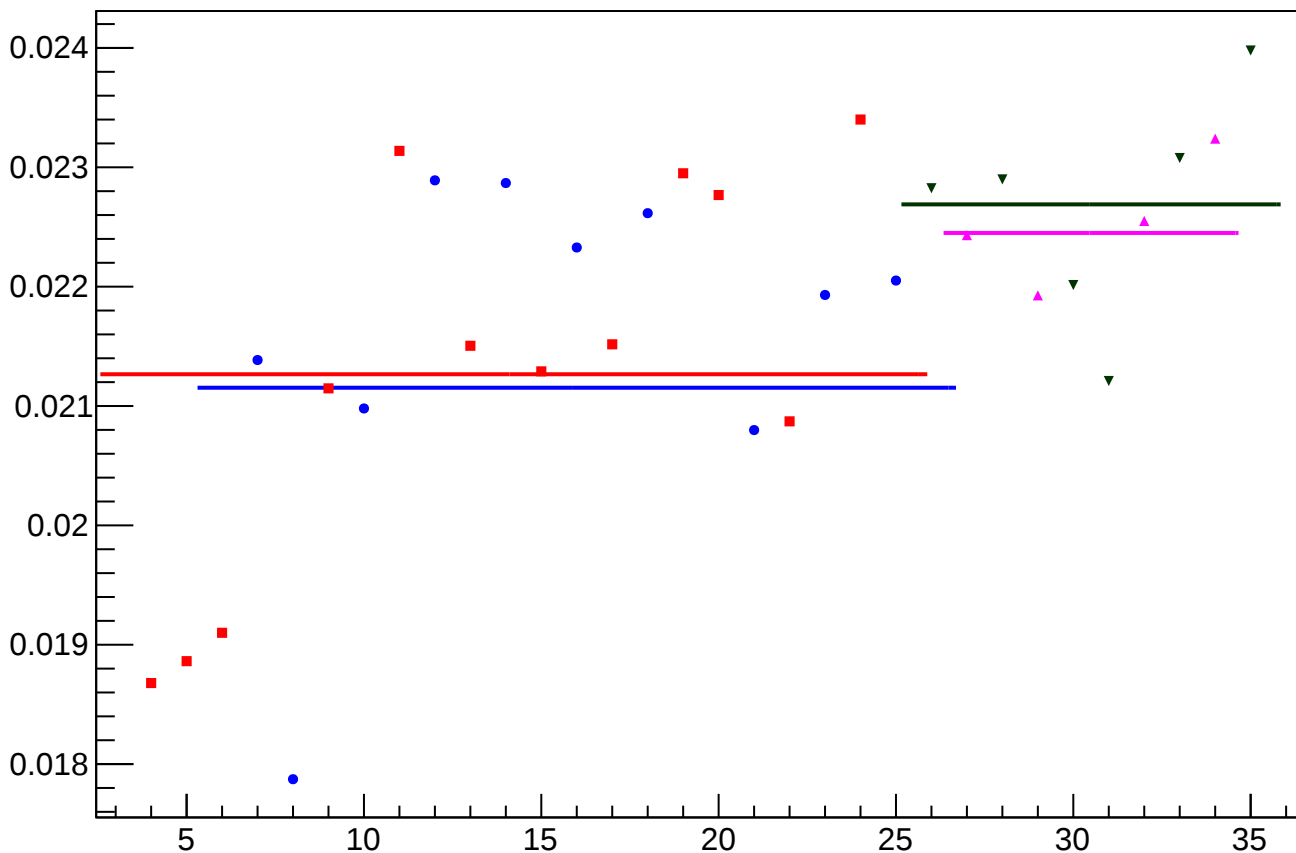
0.888+/-0.000 χ^2/NDF : 1712885928.9/15

Right Out: 0.798+/-0.000 χ^2/NDF : 394047843.5/11

0.908+/-0.000 χ^2/NDF : 979204067.8/15

Left In: 1.163+/-0.000 χ^2/NDF :32341650.3/3

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

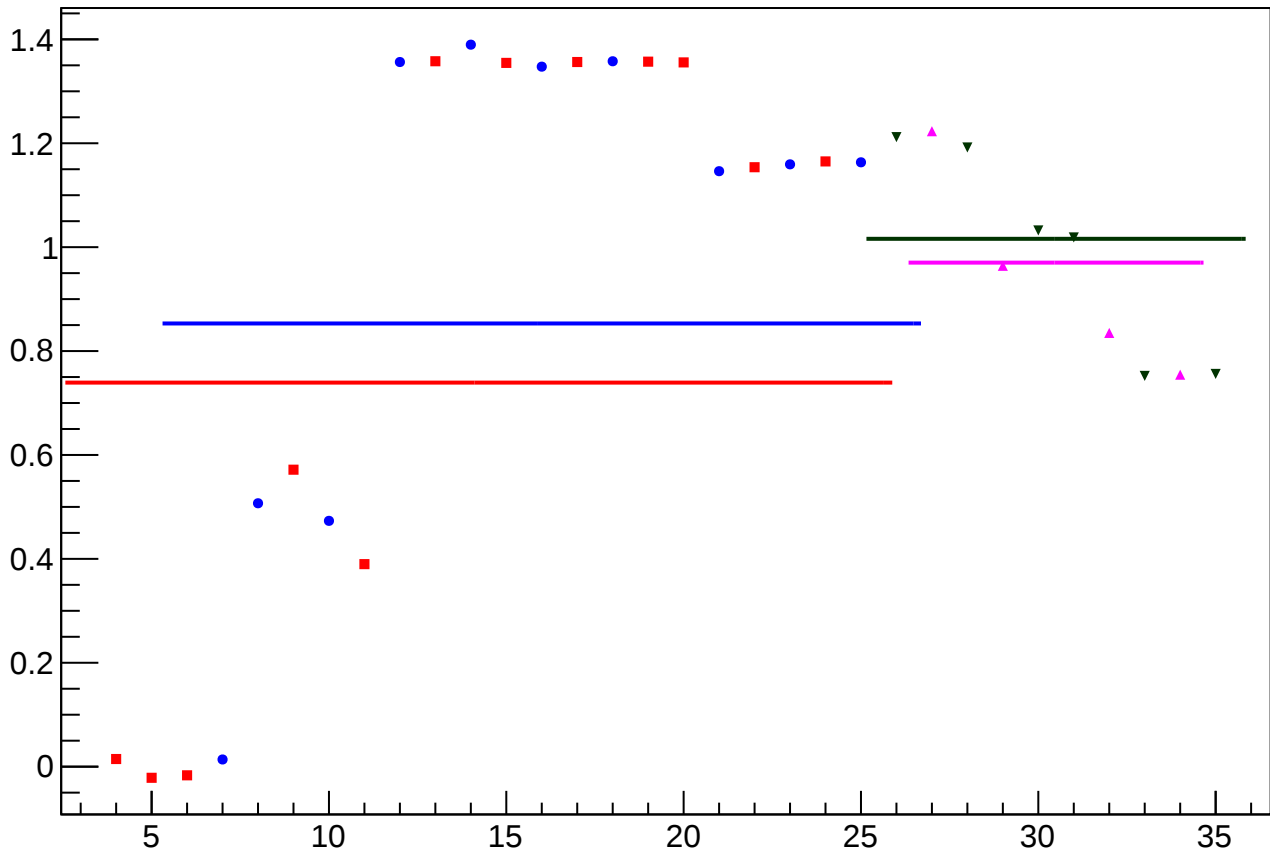
Right Out: 0.021+/-0.000 χ^2/NDF : 58605.8/11

Left In: 0.022+/-0.000 χ^2/NDF : 2079.1/3

0.022+/-0.000 χ^2/NDF : 116737.9/15

0.022+/-0.000 χ^2/NDF : 72306.3/15

yield_bpm11Y_mean vs slug



Right In: 0.853 $\pm$ 0.000 χ^2/NDF : 104764240658.7/9

Left Out: 1.016 $\pm$ 0.000 χ^2/NDF : 6855064111.8/5

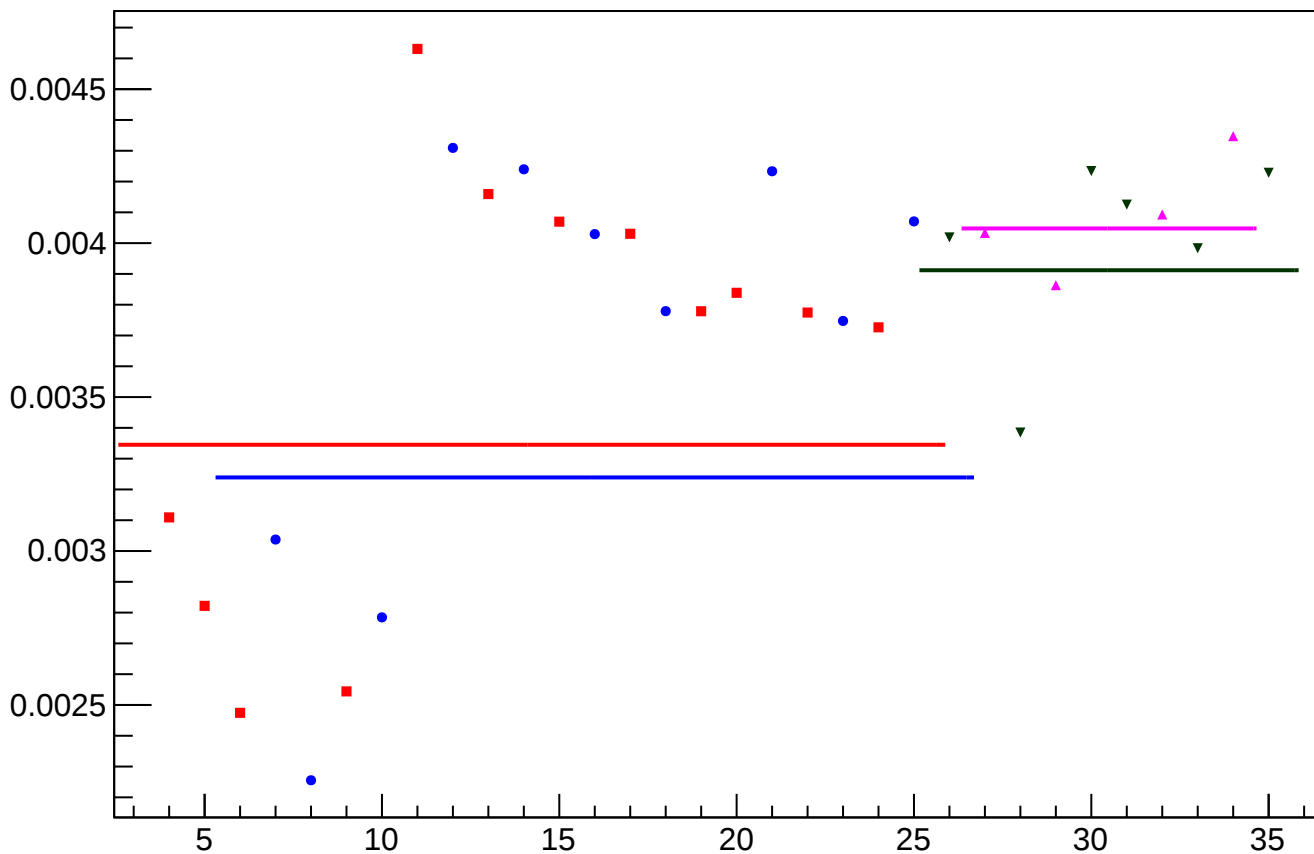
0.895 $\pm$ 0.000 χ^2/NDF : 115380967511.1/15

Right Out: 0.739 $\pm$ 0.000 χ^2/NDF : 163147236052.0/11

0.799 $\pm$ 0.000 χ^2/NDF : 175828389374.7/15

Left In: 0.970 $\pm$ 0.000 χ^2/NDF : 5479857782.2/3

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

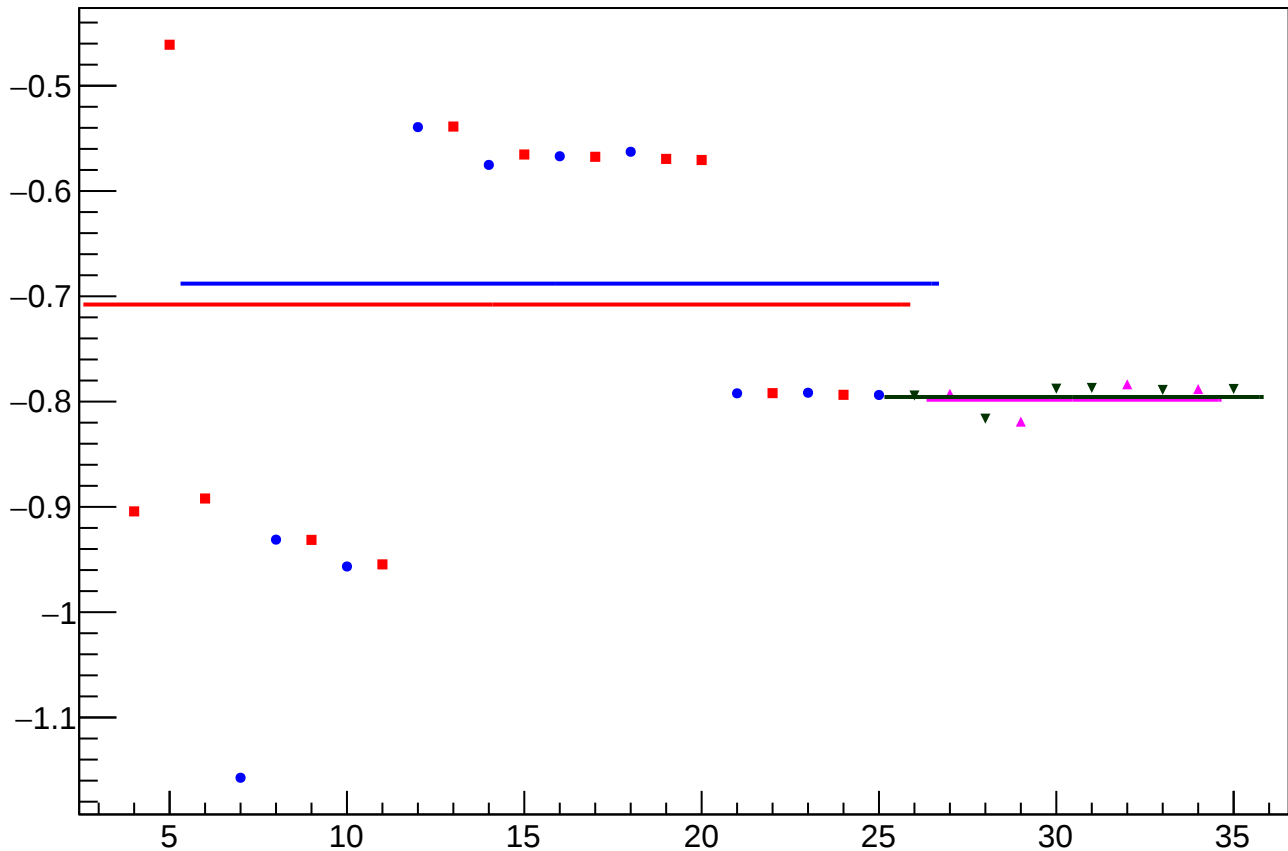
Right Out: 0.003+/-0.000 χ^2/NDF : 574504.0/11

Left In: 0.004+/-0.000 χ^2/NDF : 8490.0/3

0.003+/-0.000 χ^2/NDF : 917875.5/15

0.004+/-0.000 χ^2/NDF : 716254.5/15

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

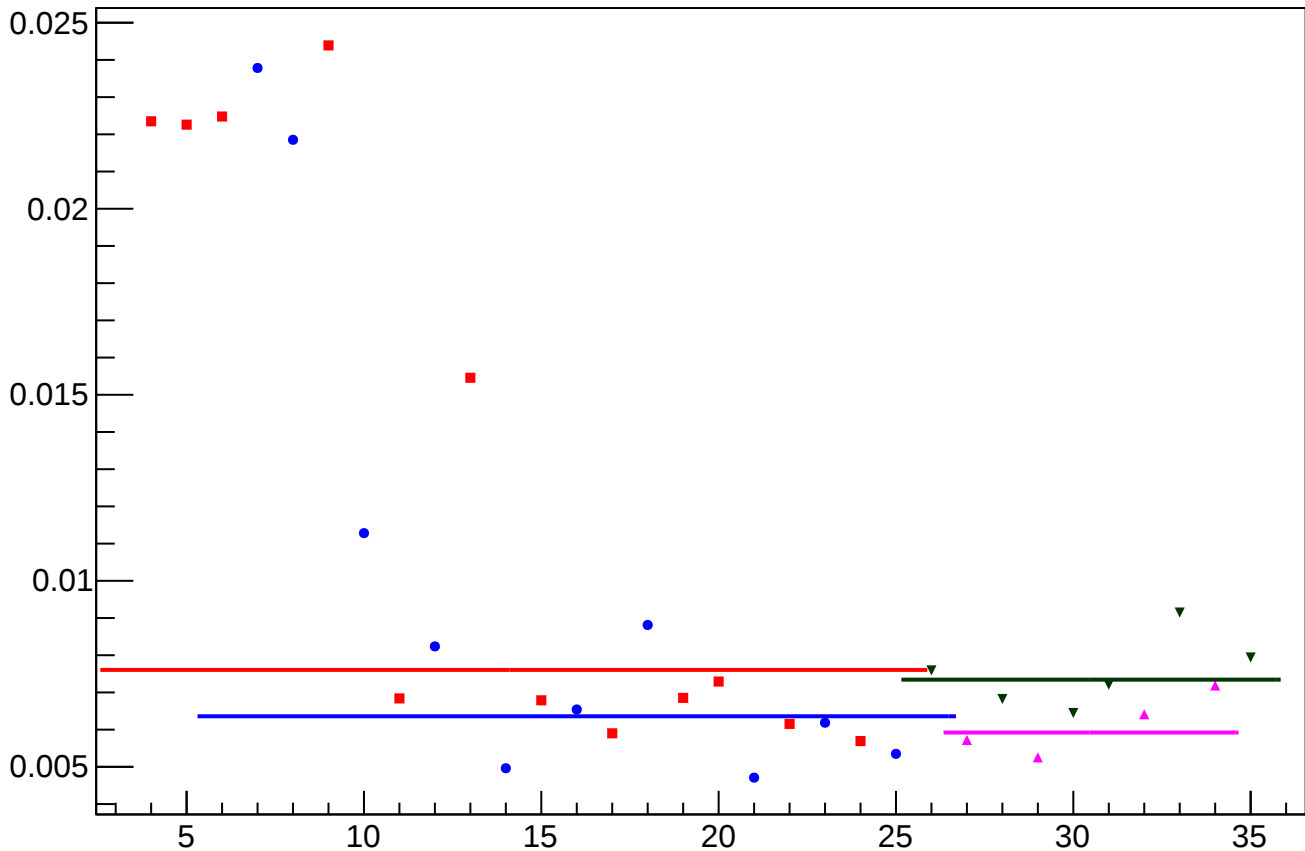
-0.720+/-0.000 χ^2/NDF : 2201432590.8/15

Right Out: -0.708+/-0.000 χ^2/NDF : 1719681121.8/11

-0.750+/-0.000 χ^2/NDF : 2010663618.3/15

Left In: -0.798+/-0.000 χ^2/NDF : 13628812.8/3

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

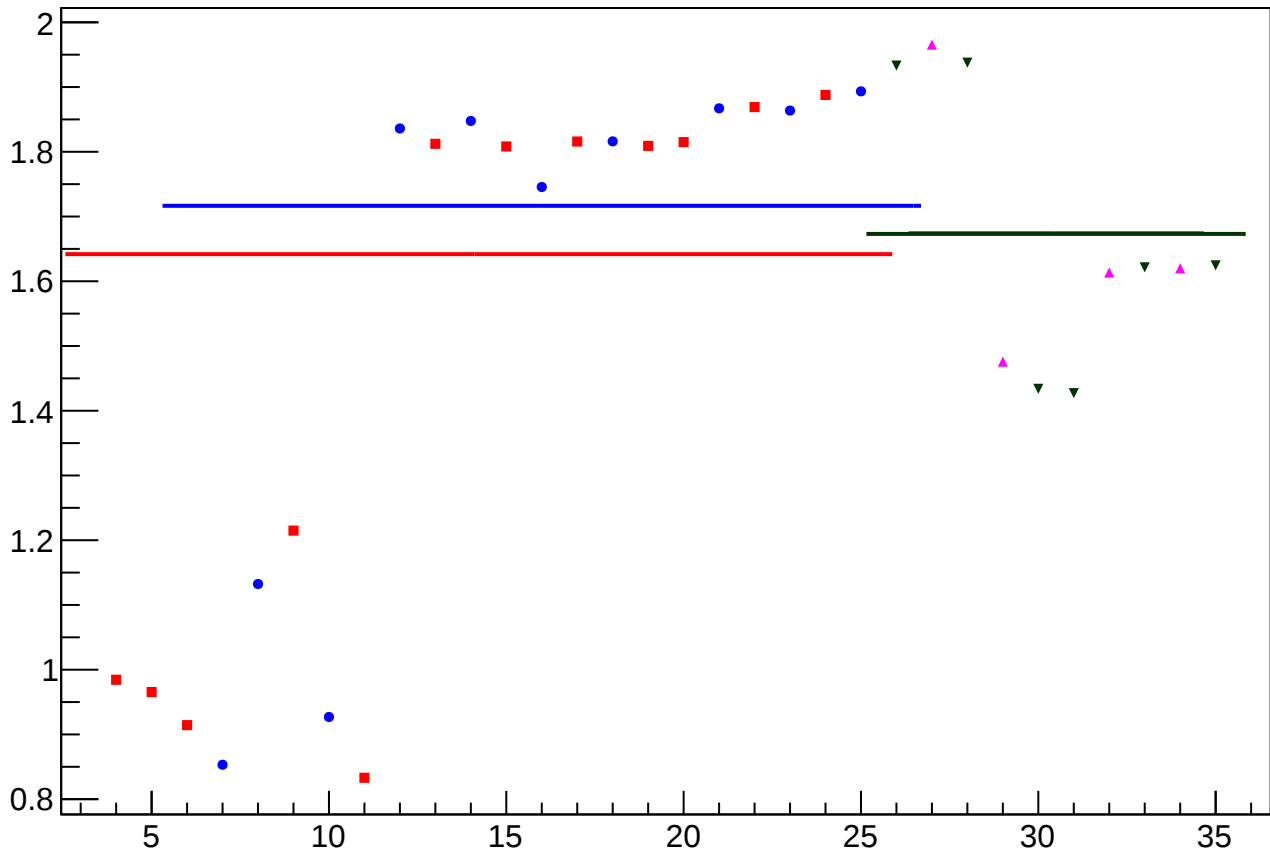
0.007+/-0.000 χ^2/NDF : 1952954.1/15

Right Out: 0.008+/-0.000 χ^2/NDF : 2293990.6/11

0.007+/-0.000 χ^2/NDF : 2537480.9/15

Left In: 0.006+/-0.000 χ^2/NDF : 51280.9/3

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

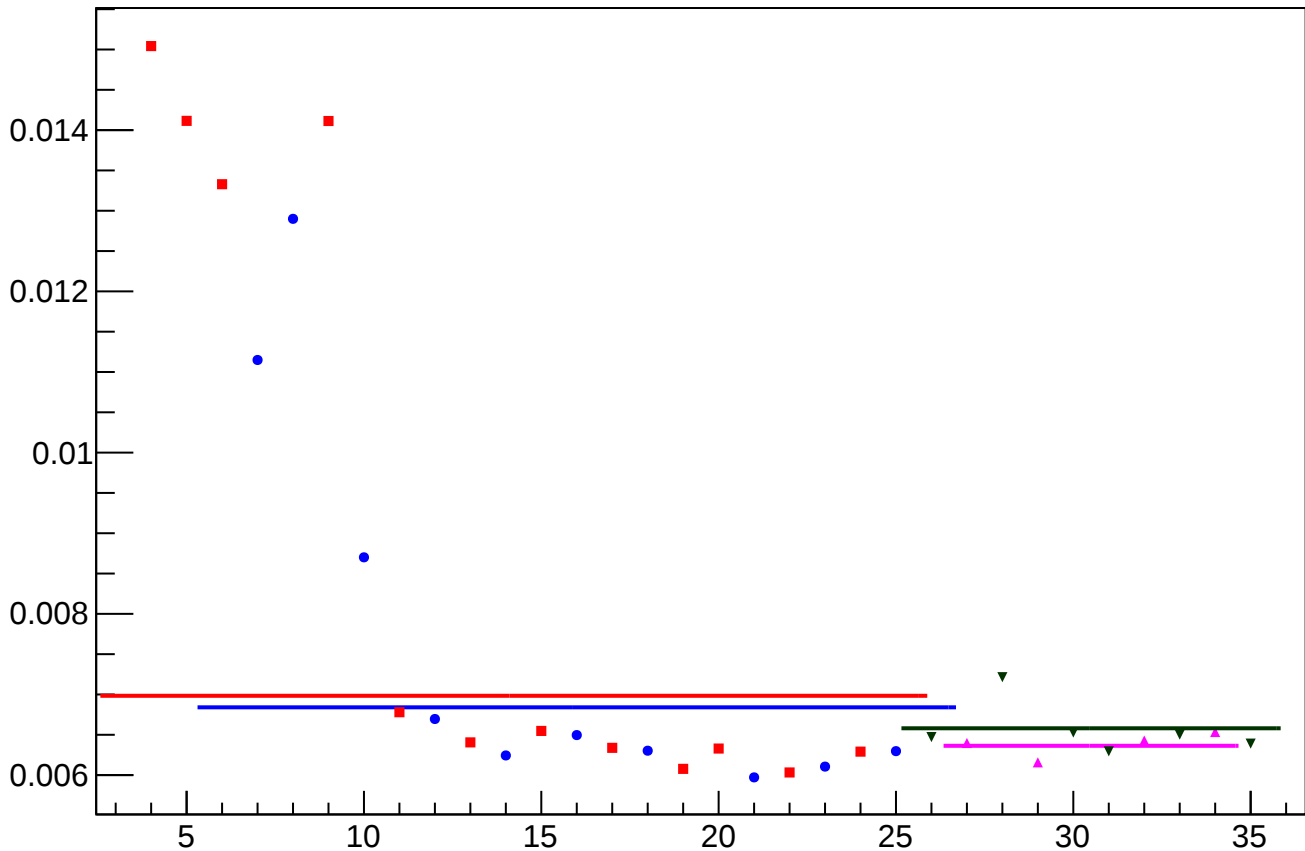
1.701 $\pm$ 0.000 χ^2 /NDF: 13826012659.4/15

Right Out: 1.642 $\pm$ 0.000 χ^2 /NDF: 15751478429.4/11

1.654 $\pm$ 0.000 χ^2 /NDF: 18297517636.9/15

Left In: 1.674 $\pm$ 0.000 χ^2 /NDF:2500610576.8/3

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

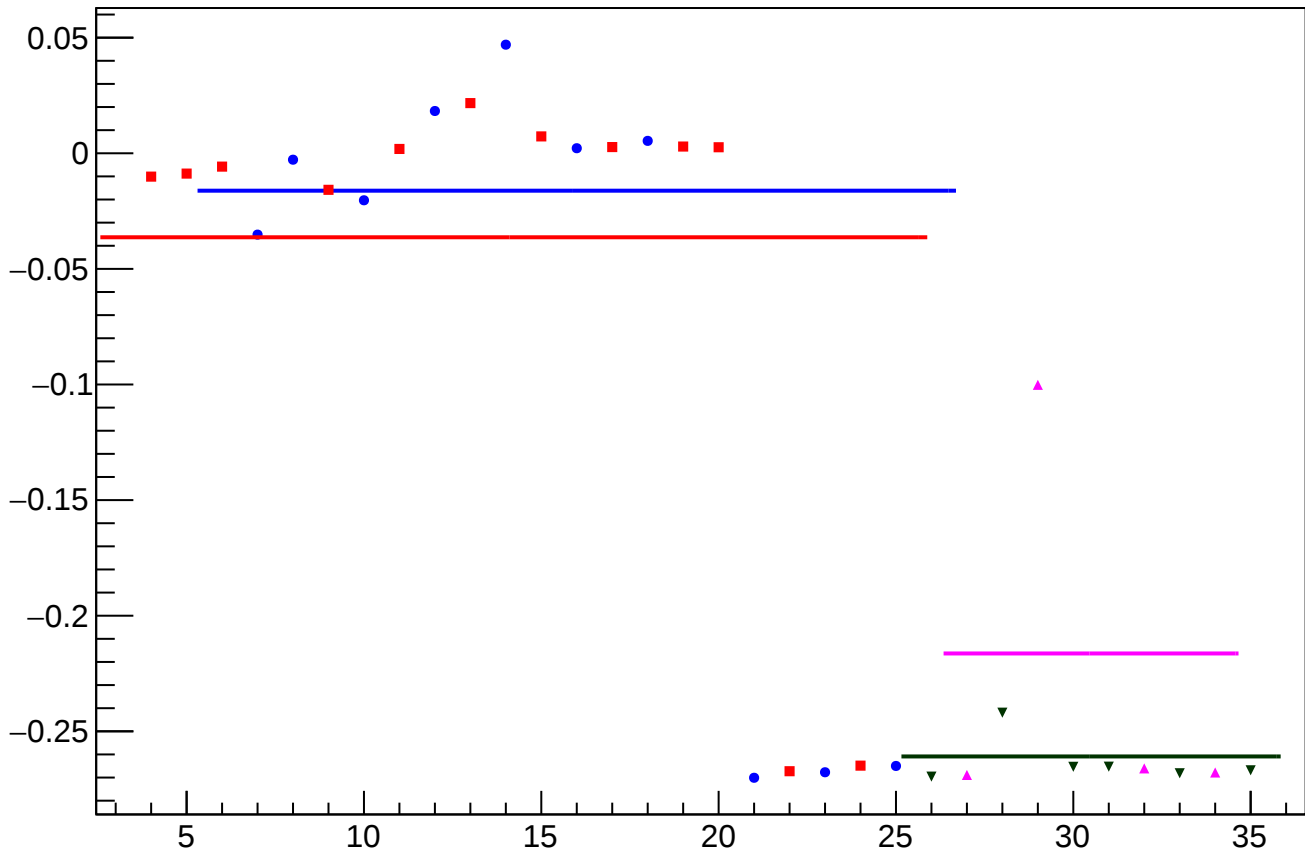
Right Out: 0.007+/-0.000 χ^2/NDF : 973579.9/11

Left In: 0.006+/-0.000 χ^2/NDF :2484.5/3

0.007+/-0.000 χ^2/NDF : 619035.6/15

0.007+/-0.000 χ^2/NDF : 1009046.3/15

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

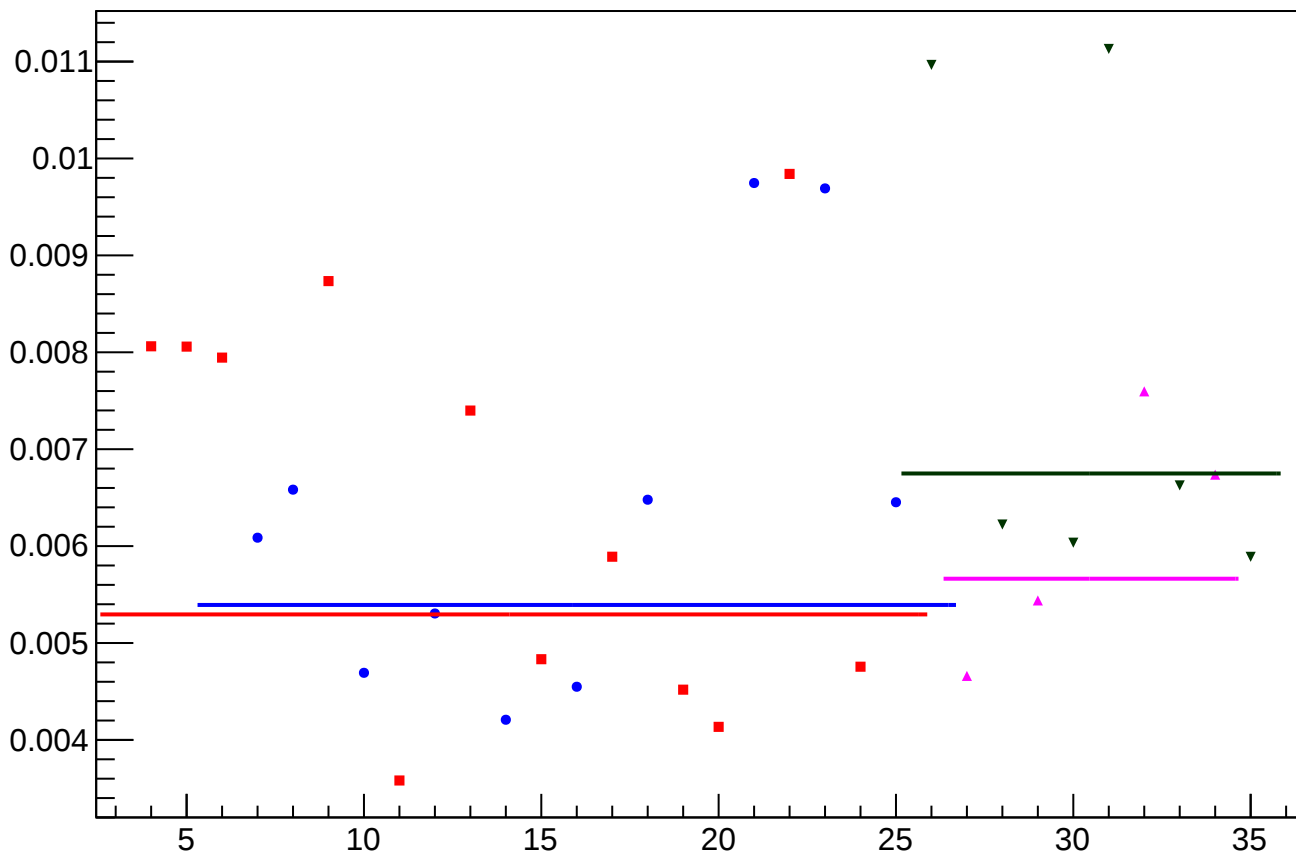
-0.073+/-0.000 χ^2/NDF : 4105973613.8/15

Right Out: -0.036+/-0.000 χ^2/NDF : 1742147509.6/11

-0.090+/-0.000 χ^2/NDF : 4079837543.7/15

Left In: -0.216+/-0.000 χ^2/NDF : 487600219.9/3

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

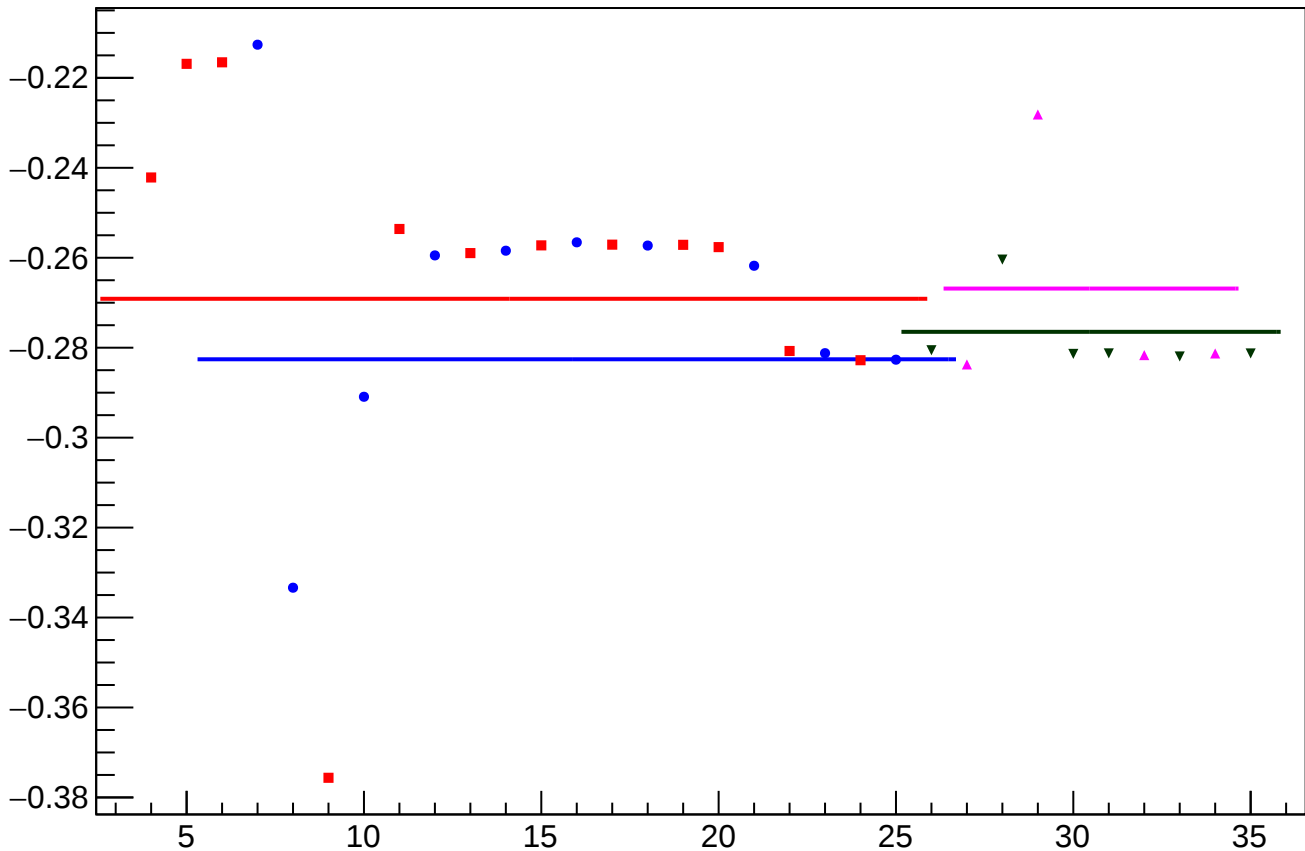
Right Out: 0.005+/-0.000 χ^2/NDF : 1206788.4/11

Left In: 0.006+/-0.000 χ^2/NDF : 192239.6/3

0.006+/-0.000 χ^2/NDF : 1264744.3/15

0.005+/-0.000 χ^2/NDF : 1414527.2/15

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

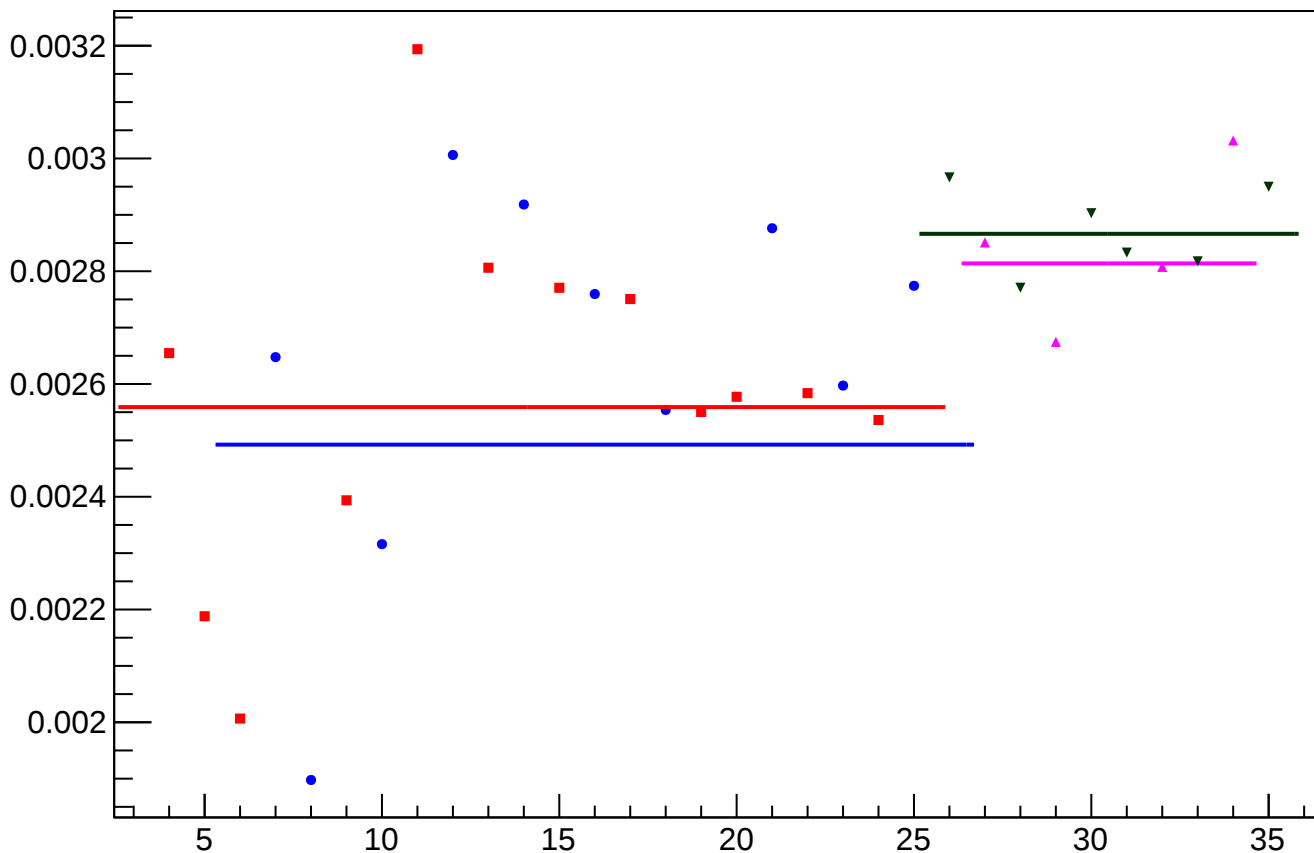
-0.281+/-0.000 χ^2/NDF : 1105418191.5/15

Right Out: -0.269+/-0.000 χ^2/NDF : 1935701786.6/11

-0.268+/-0.000 χ^2/NDF : 2162672138.0/15

Left In: -0.267+/-0.000 χ^2/NDF : 225590602.2/3

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

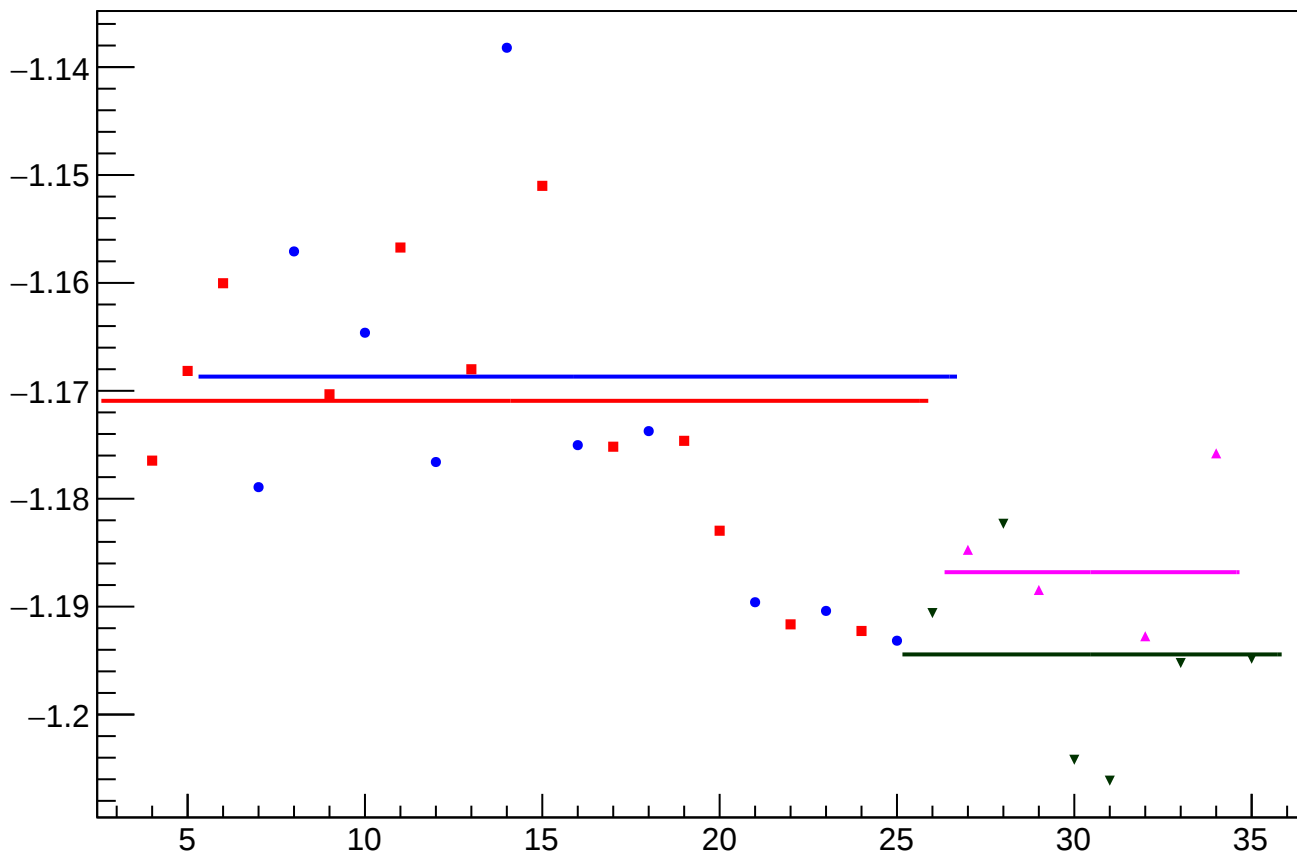
Right Out: 0.003+/-0.000 χ^2/NDF : 176456.4/11

Left In: 0.003+/-0.000 χ^2/NDF :9587.5/3

0.003+/-0.000 χ^2/NDF : 382497.6/15

0.003+/-0.000 χ^2/NDF : 220715.0/15

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

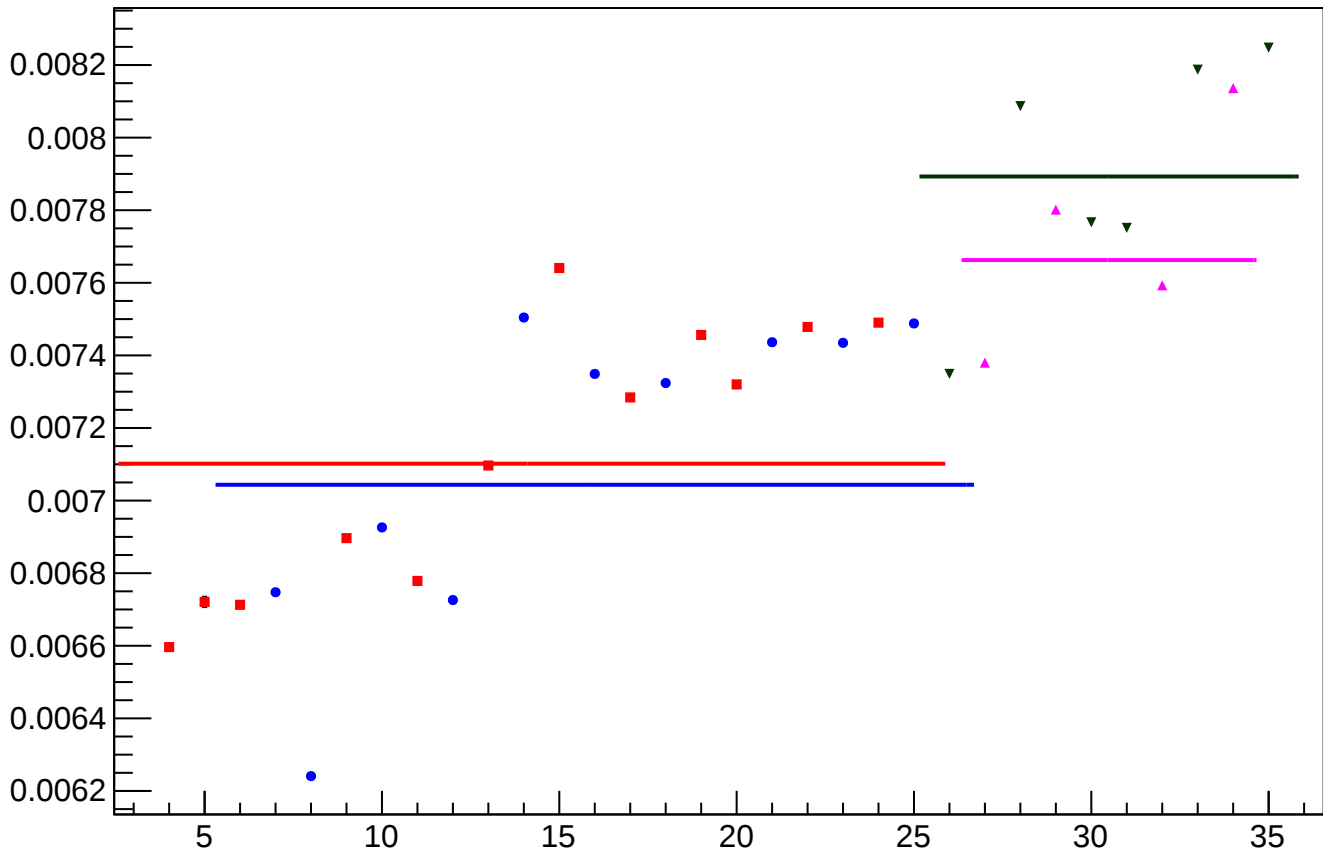
Right Out: -1.171+/-0.000 χ^2/NDF : 18815971.2/11

Left In: -1.187+/-0.000 χ^2/NDF : 1544321.1/3

-1.176+/-0.000 χ^2/NDF : 62812095.7/15

-1.176+/-0.000 χ^2/NDF : 29635737.2/15

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

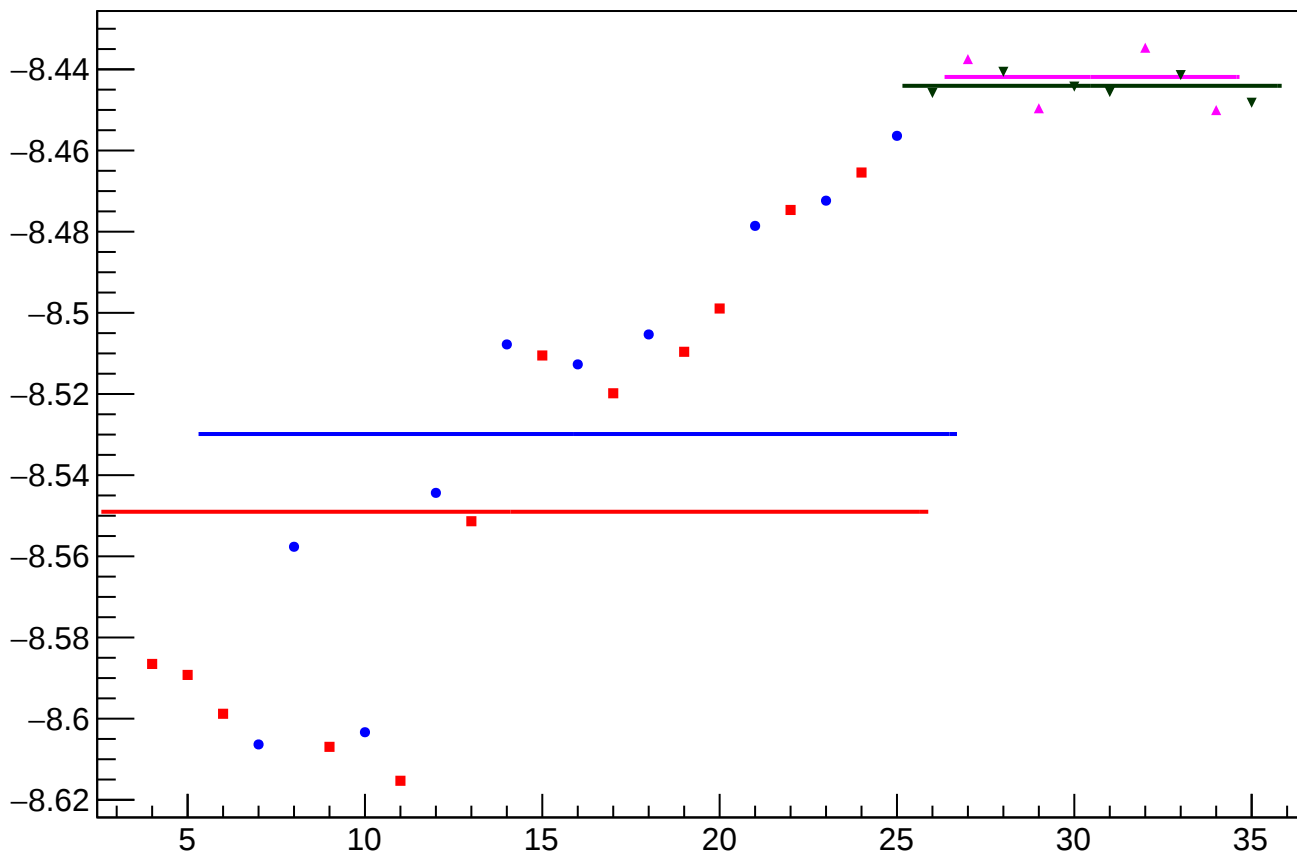
0.007+/-0.000 χ^2/NDF : 116456.0/15

Right Out: 0.007+/-0.000 χ^2/NDF : 27872.8/11

0.007+/-0.000 χ^2/NDF : 57503.3/15

Left In: 0.008+/-0.000 χ^2/NDF : 6480.4/3

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

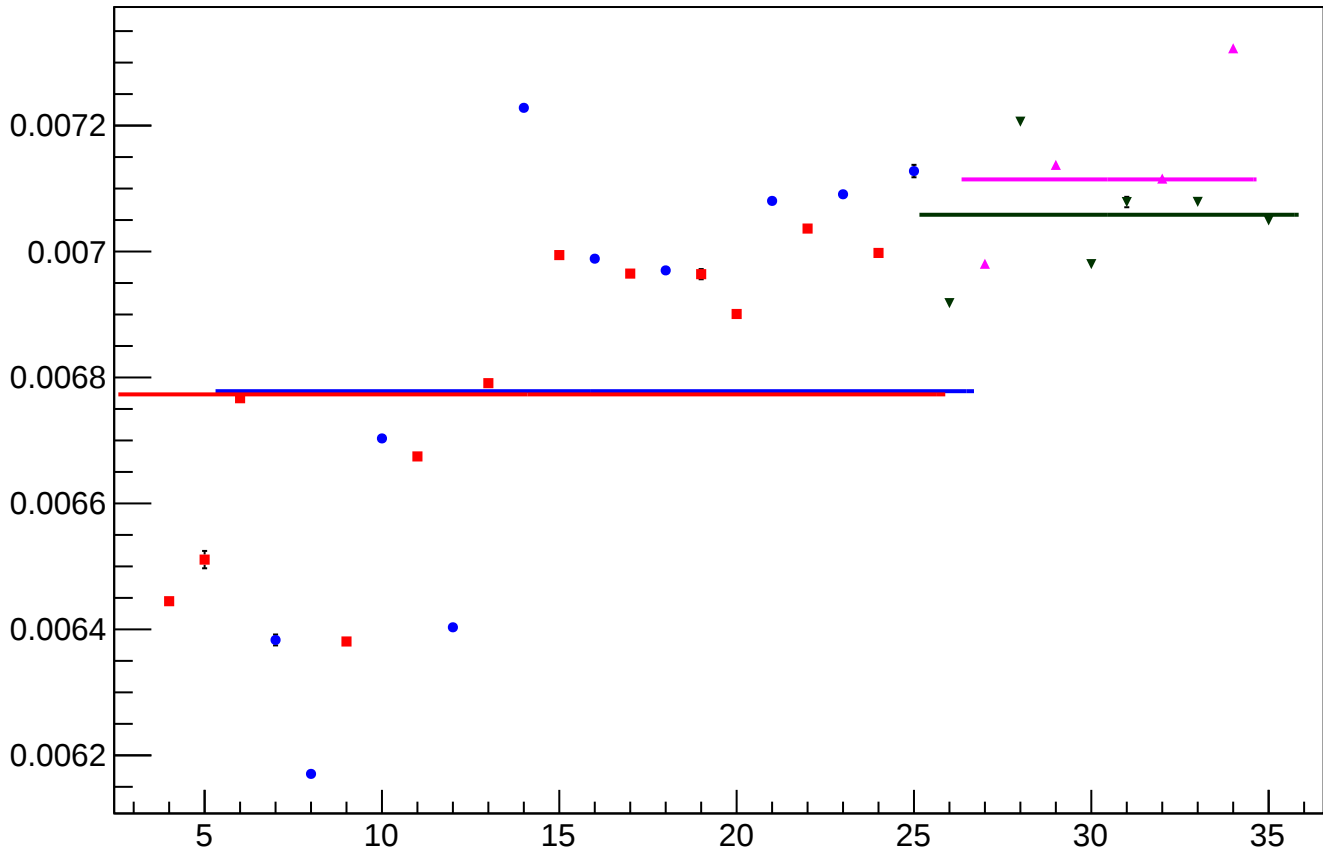
Right Out: -8.549+/-0.000 χ^2/NDF : 379238014.1/11

Left In: -8.442+/-0.000 χ^2/NDF : 2870833.4/3

-8.503+/-0.000 χ^2/NDF : 602063231.8/15

-8.516+/-0.000 χ^2/NDF : 869863333.8/15

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

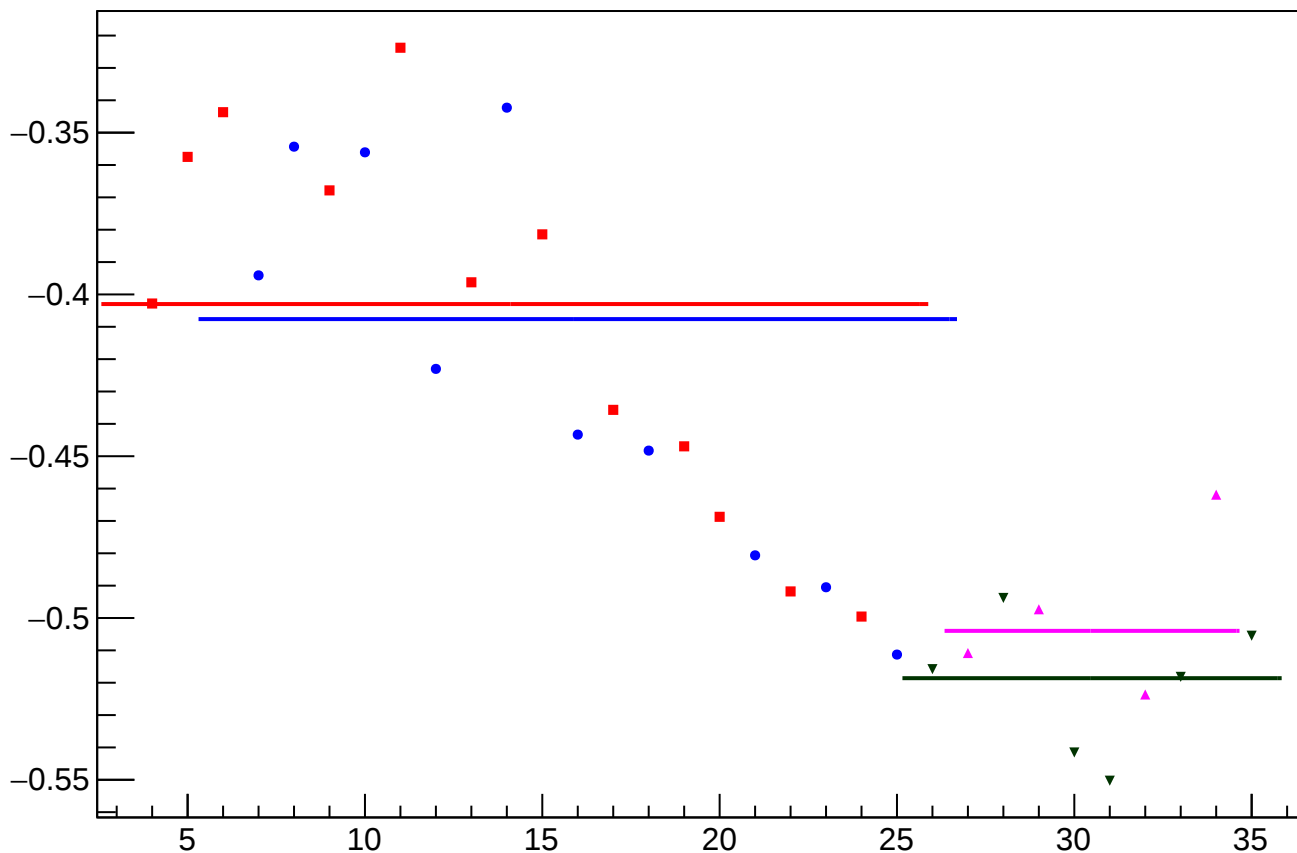
Right Out: 0.007+/-0.000 χ^2/NDF : 13957.5/11

Left In: 0.007+/-0.000 χ^2/NDF :1457.9/3

0.007+/-0.000 χ^2/NDF : 47865.1/15

0.007+/-0.000 χ^2/NDF : 25317.0/15

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

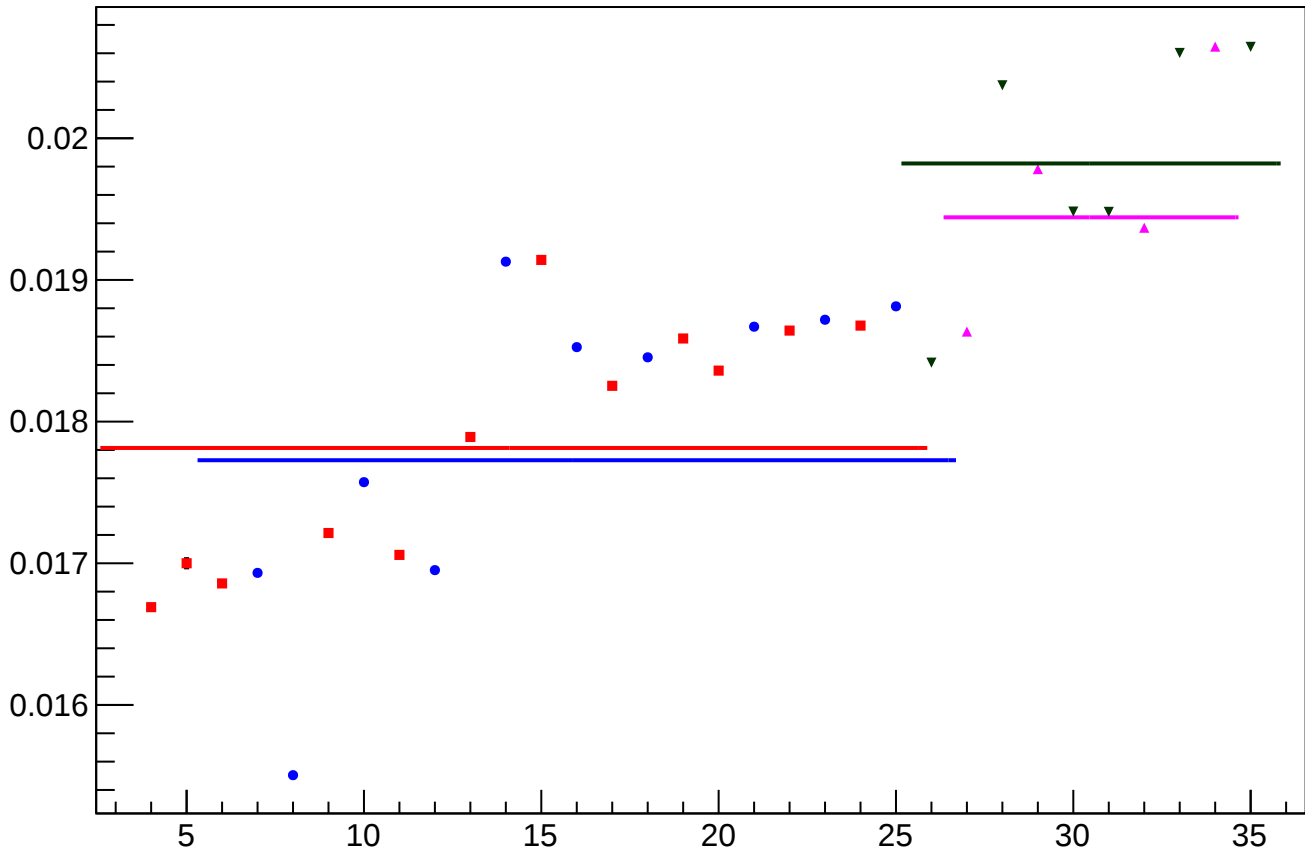
Right Out: -0.403+/-0.000 χ^2/NDF : 62429358.0/11

Left In: -0.504+/-0.000 χ^2/NDF : 3170876.0/3

-0.439+/-0.000 χ^2/NDF : 138265236.4/15

-0.432+/-0.000 χ^2/NDF : 124335776.4/15

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

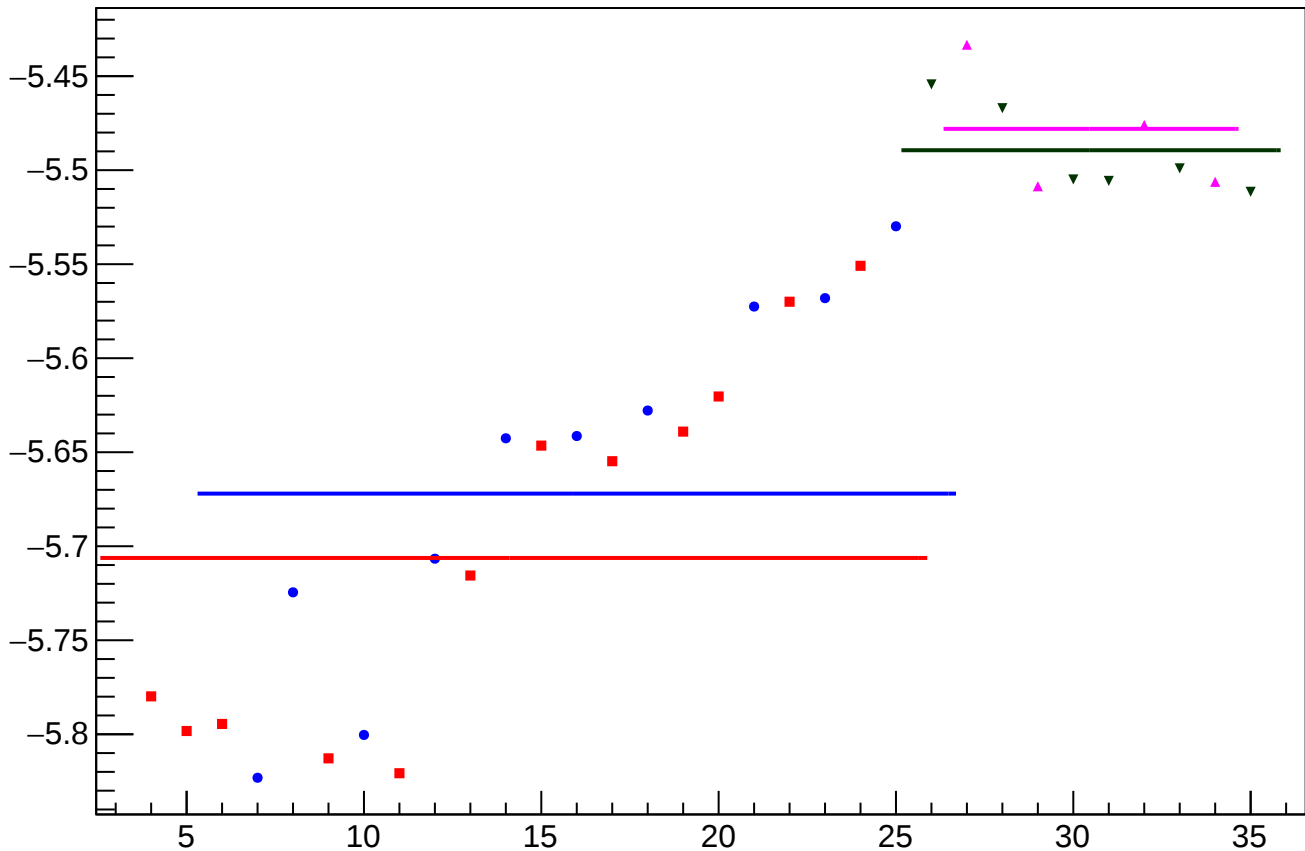
0.018+/-0.000 χ^2/NDF : 125297.5/15

Right Out: 0.018+/-0.000 χ^2/NDF : 24742.8/11

0.018+/-0.000 χ^2/NDF : 62290.5/15

Left In: 0.019+/-0.000 χ^2/NDF : 7031.2/3

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

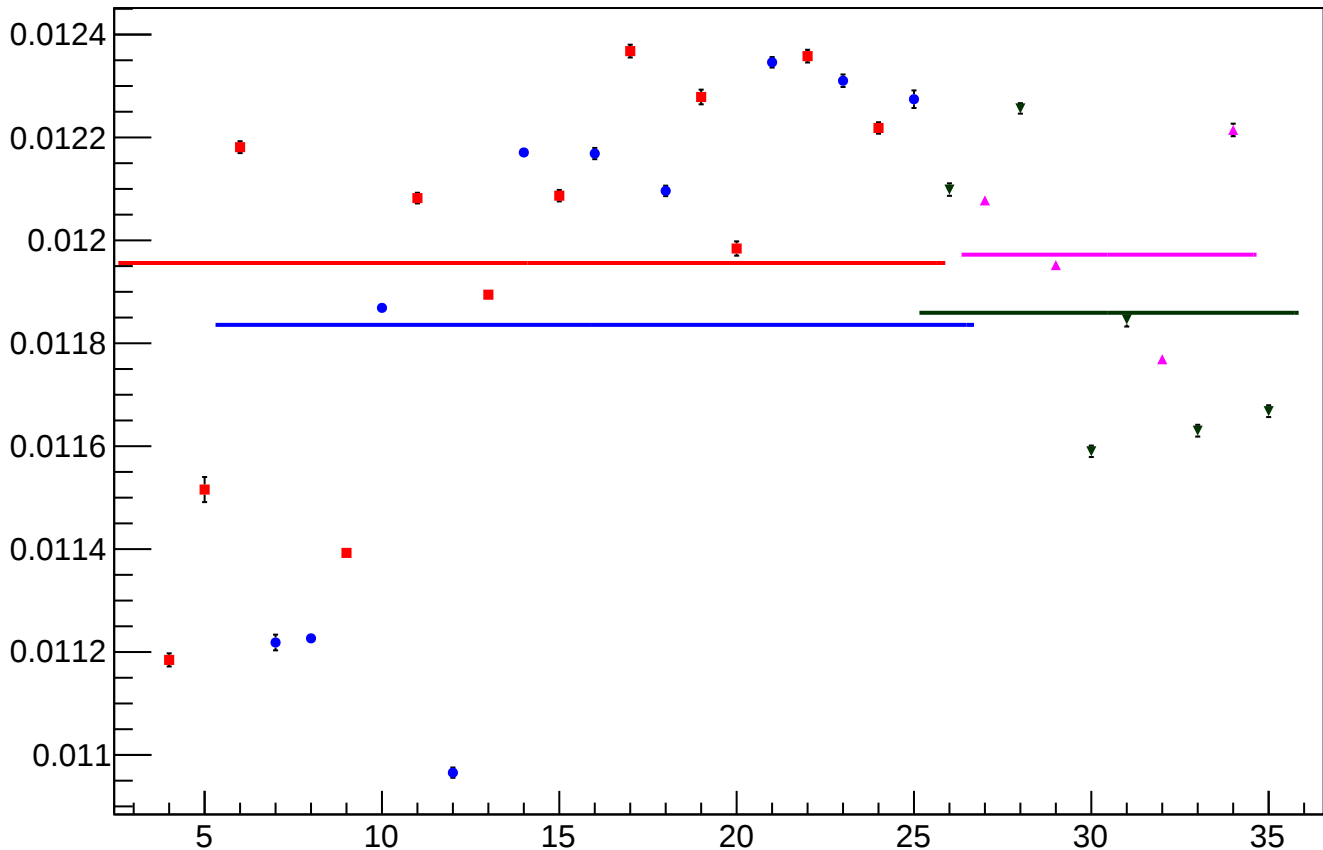
-5.612+/-0.000 χ^2/NDF : 820625830.4/15

Right Out: -5.706+/-0.000 χ^2/NDF : 393392324.7/11

-5.632+/-0.000 χ^2/NDF : 1170470083.2/15

Left In: -5.478+/-0.000 χ^2/NDF :19966603.3/3

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

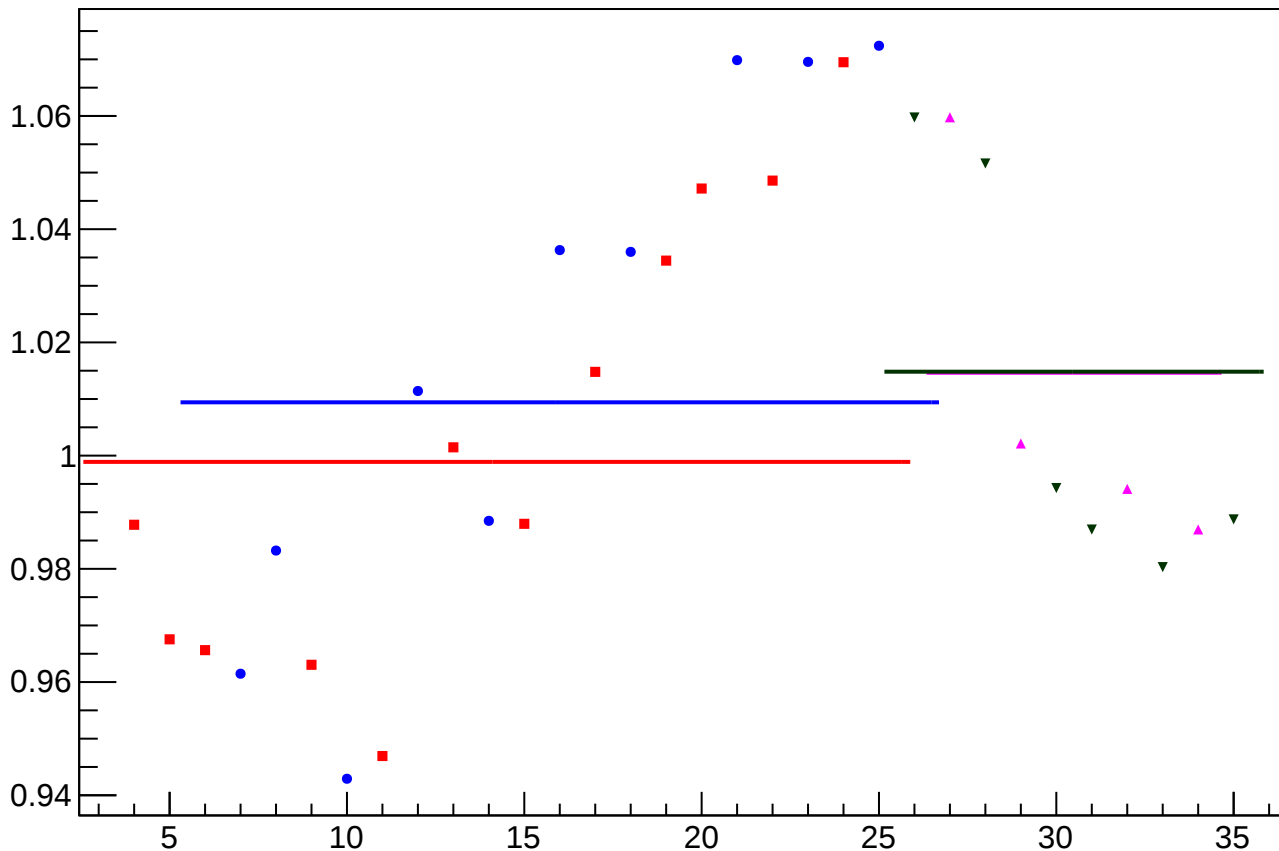
0.012+/-0.000 χ^2/NDF : 25448.2/15

Right Out: 0.012+/-0.000 χ^2/NDF : 11709.7/11

0.012+/-0.000 χ^2/NDF : 12779.2/15

Left In: 0.012+/-0.000 χ^2/NDF :1062.0/3

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

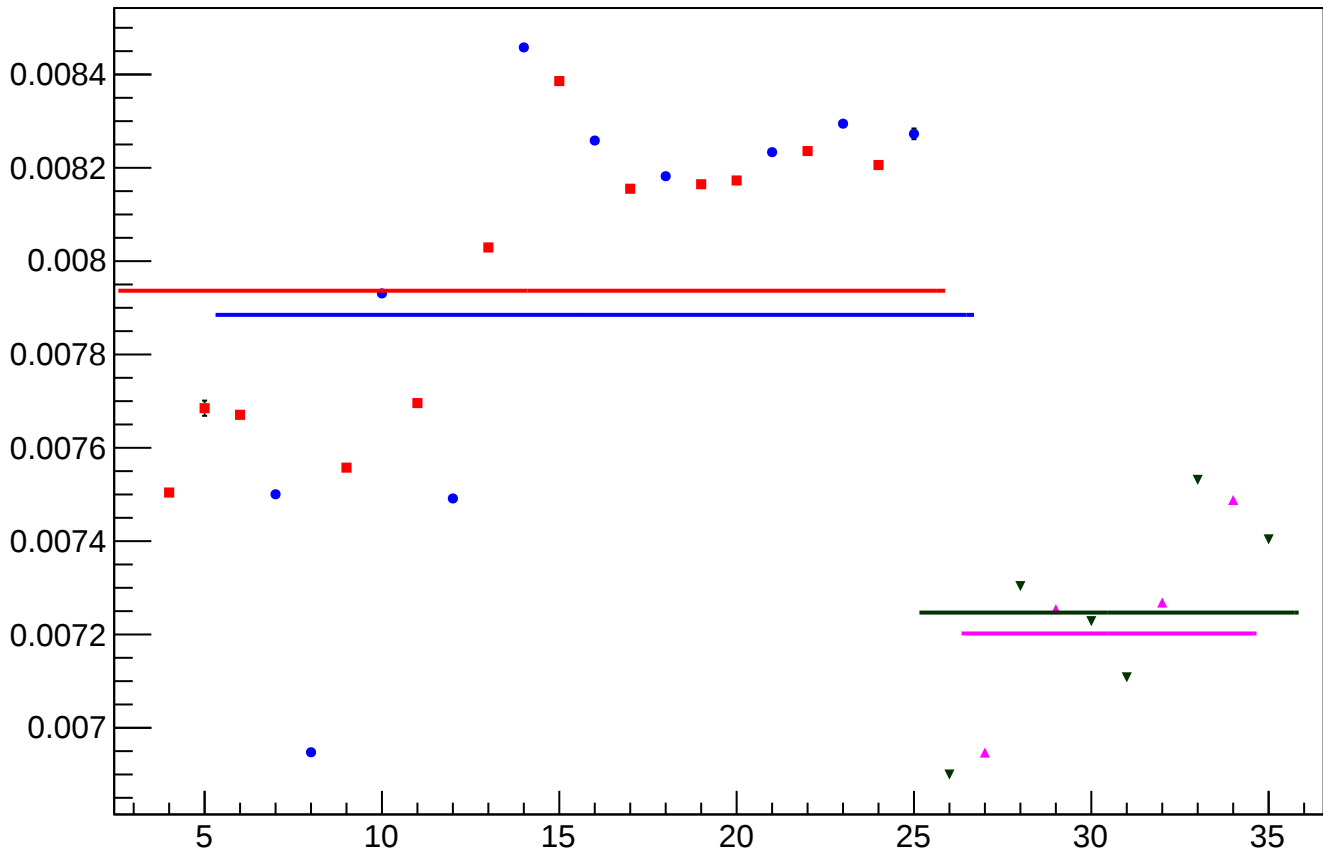
1.011+/-0.000 χ^2/NDF : 249356674.7/15

Right Out: 0.999+/-0.000 χ^2/NDF : 147584109.7/11

1.005+/-0.000 χ^2/NDF : 208474940.5/15

Left In: 1.015+/-0.000 χ^2/NDF : 51676533.1/3

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

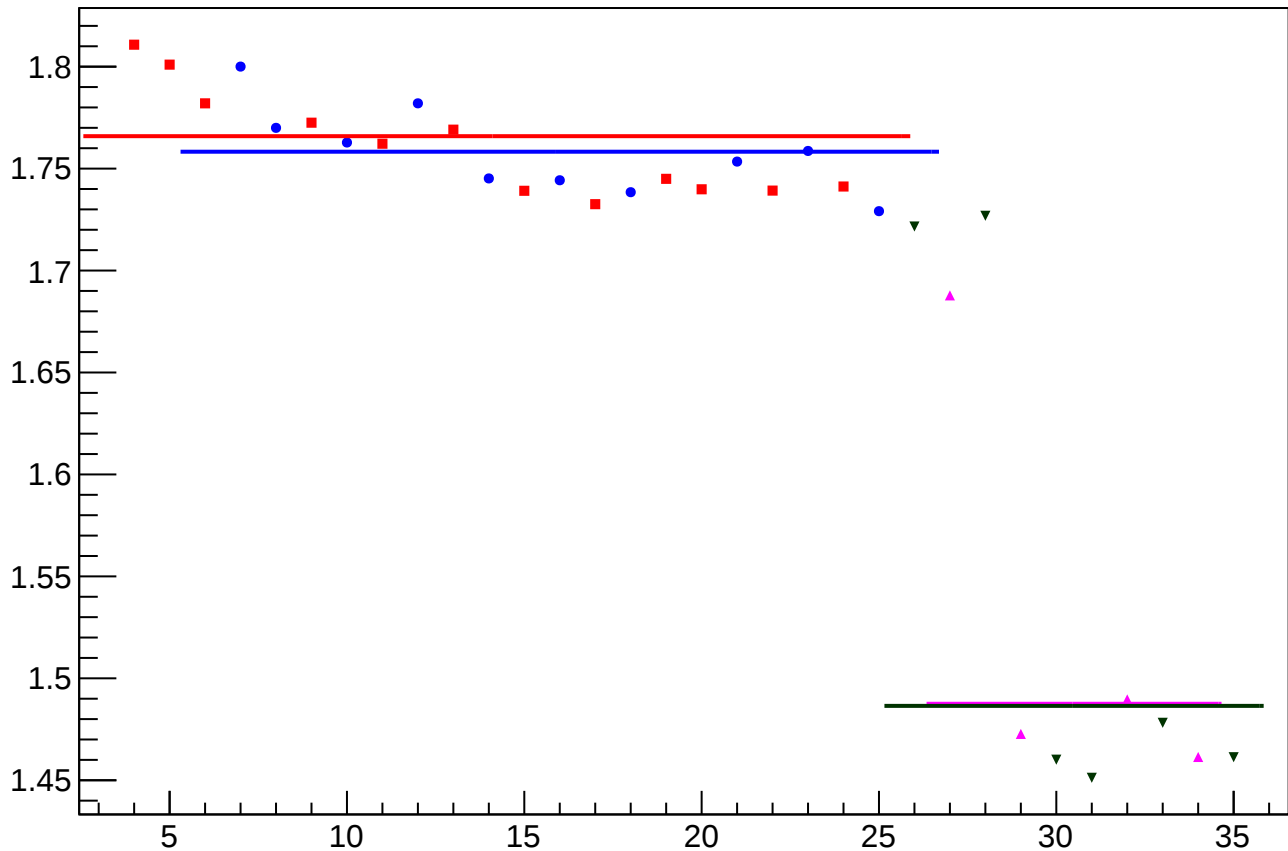
0.008+/-0.000 χ^2/NDF : 93397.1/15

Right Out: 0.008+/-0.000 χ^2/NDF : 17438.8/11

0.008+/-0.000 χ^2/NDF : 61480.4/15

Left In: 0.007+/-0.000 χ^2/NDF : 3927.6/3

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

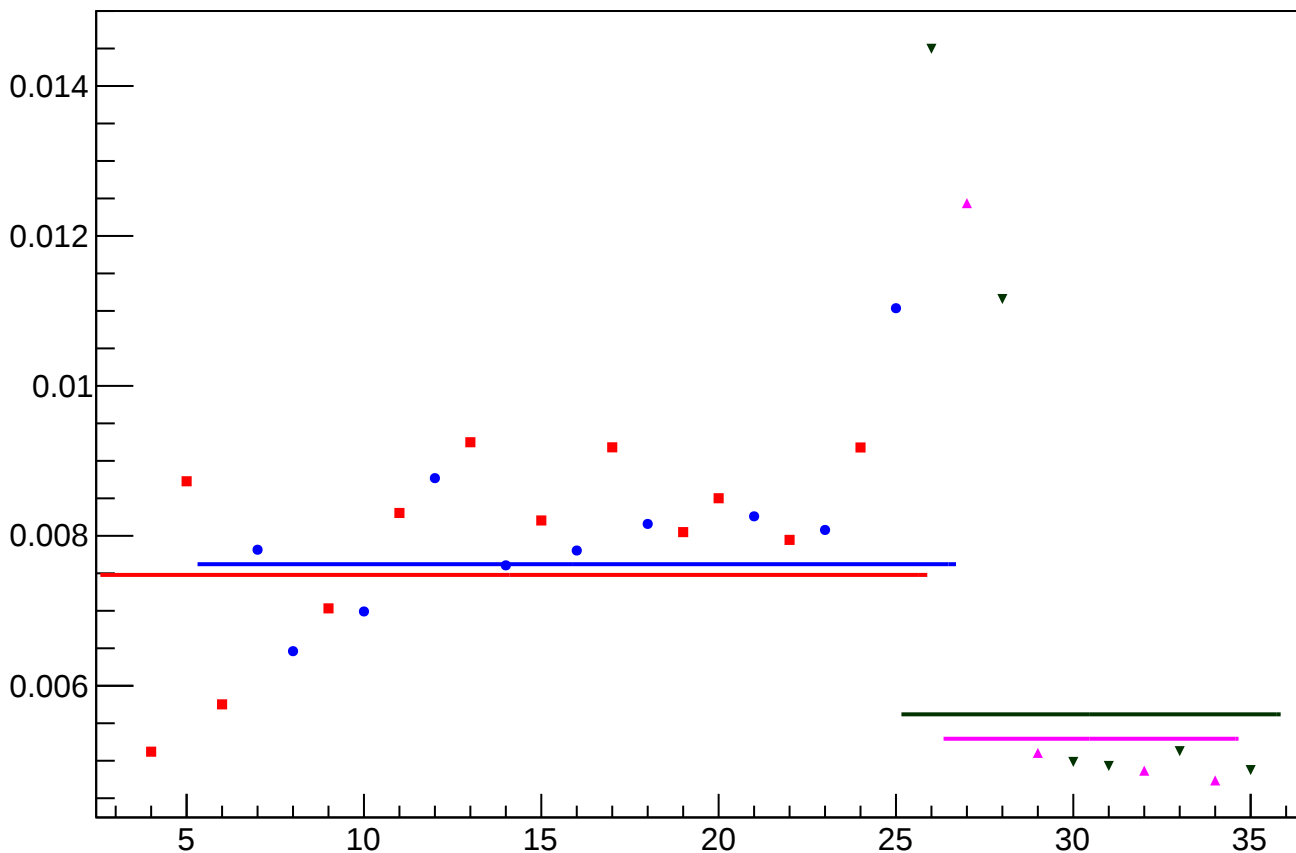
Right Out: 1.766+/-0.000 χ^2/NDF : 62233931.0/11

Left In: 1.488+/-0.000 χ^2/NDF : 208283665.5/3

1.638+/-0.000 χ^2/NDF : 3886138710.7/15

1.635+/-0.000 χ^2/NDF : 4092602037.9/15

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

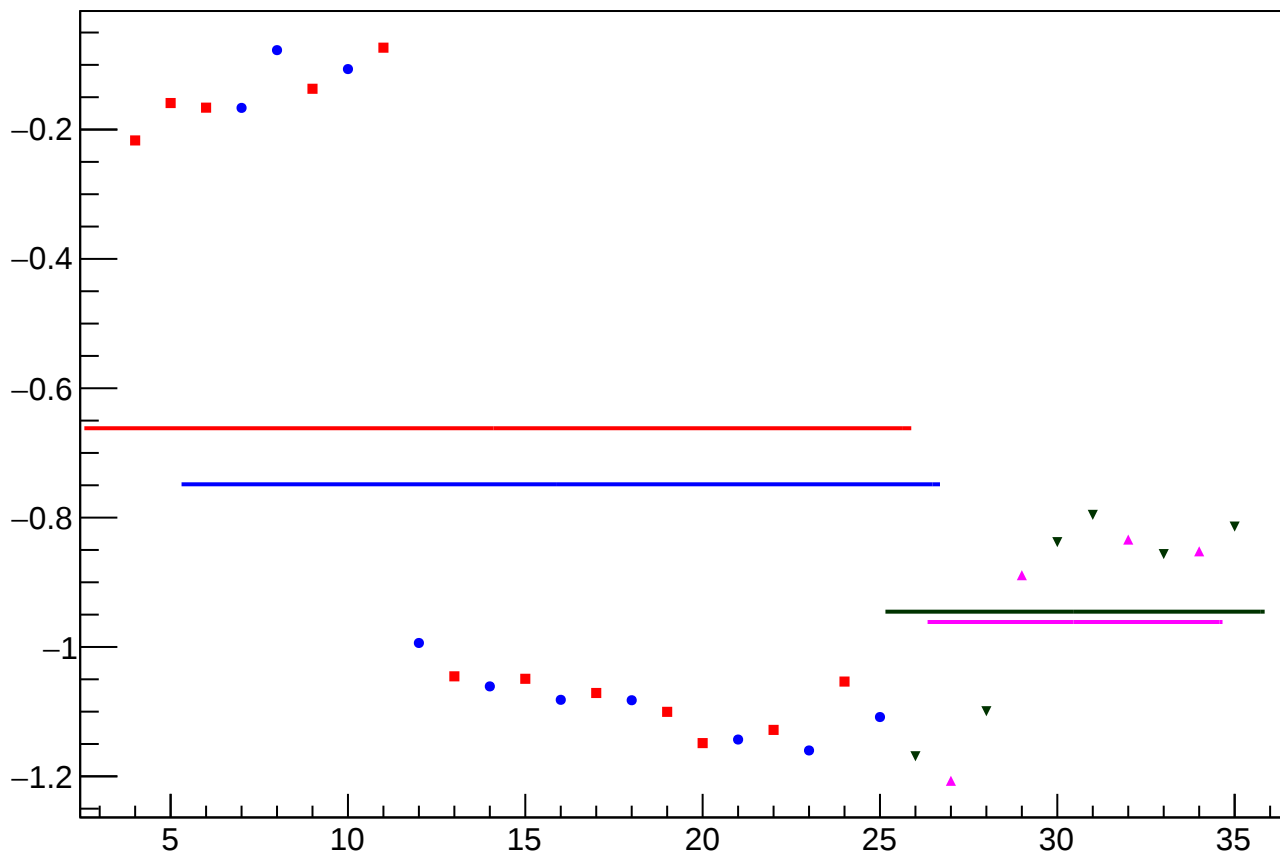
0.007+/-0.000 χ^2/NDF : 1251608.7/15

Right Out: 0.007+/-0.000 χ^2/NDF : 437086.3/11

0.006+/-0.000 χ^2/NDF : 1412221.6/15

Left In: 0.005+/-0.000 χ^2/NDF : 504069.8/3

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

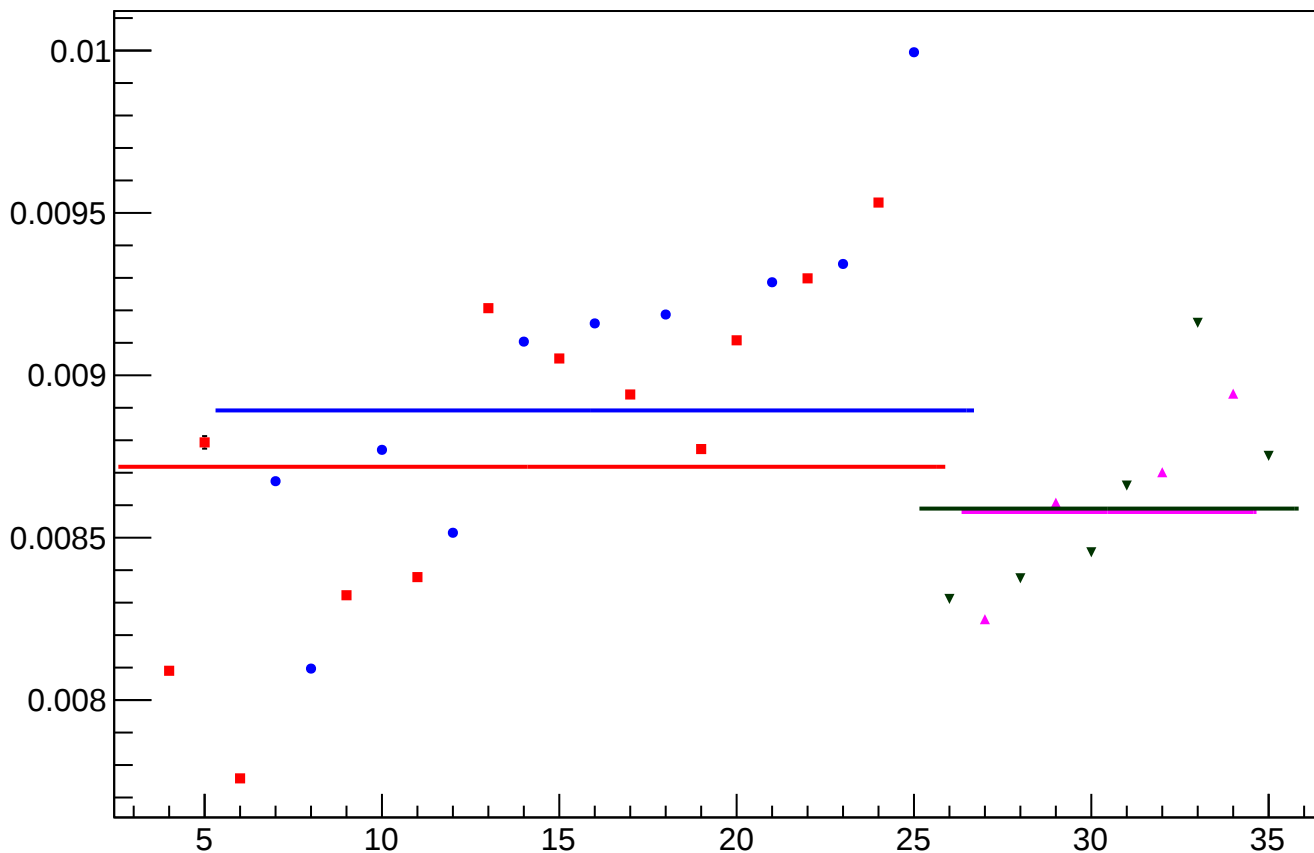
Right Out: -0.662+/-0.000 χ^2/NDF : 17756149128.0/11

Left In: -0.961+/-0.000 χ^2/NDF : 1052864011.1/3

-0.815+/-0.000 χ^2/NDF : 19408978815.1/15

-0.762+/-0.000 χ^2/NDF : 21266826015.1/15

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

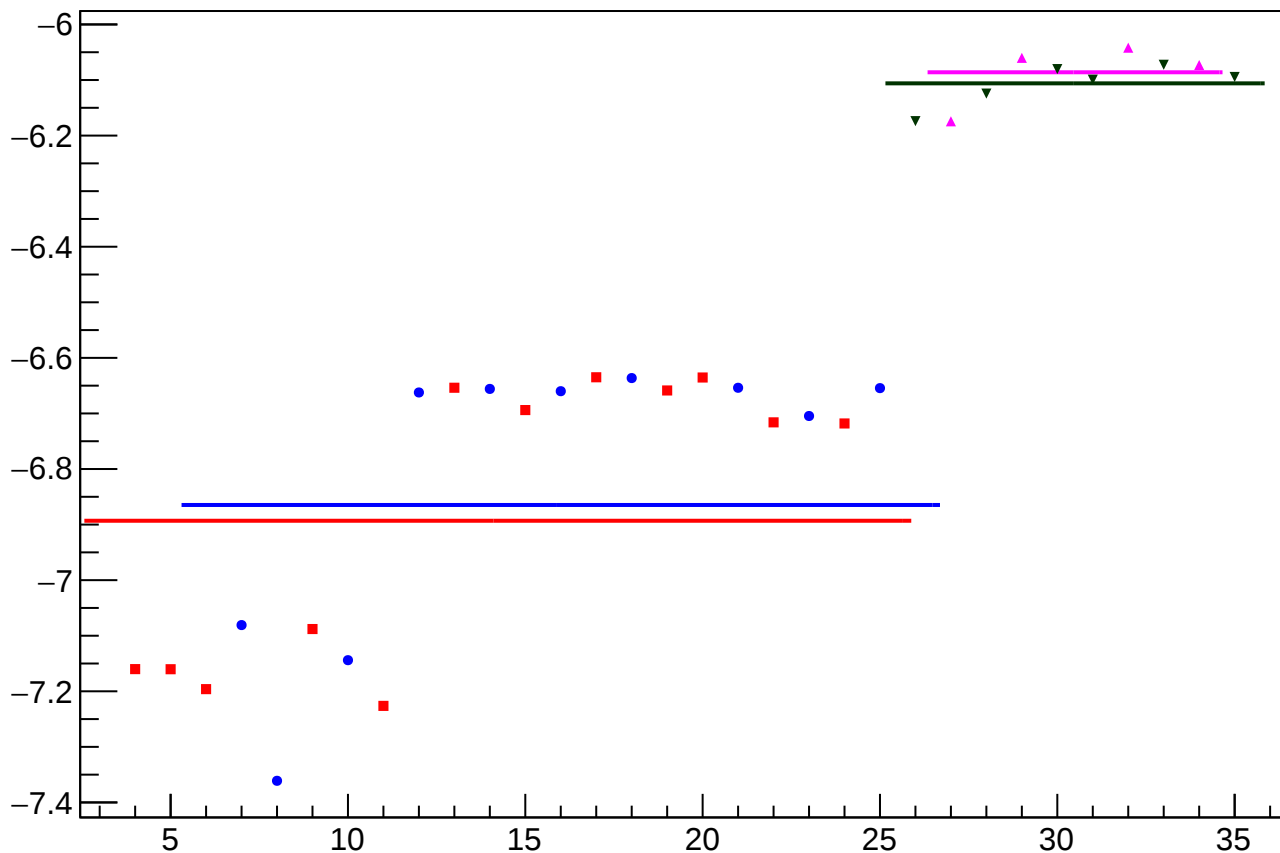
Right Out: 0.009+/-0.000 χ^2/NDF : 47651.1/11

Left In: 0.009+/-0.000 χ^2/NDF : 4649.4/3

0.009+/-0.000 χ^2/NDF : 45811.5/15

0.009+/-0.000 χ^2/NDF : 53361.9/15

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

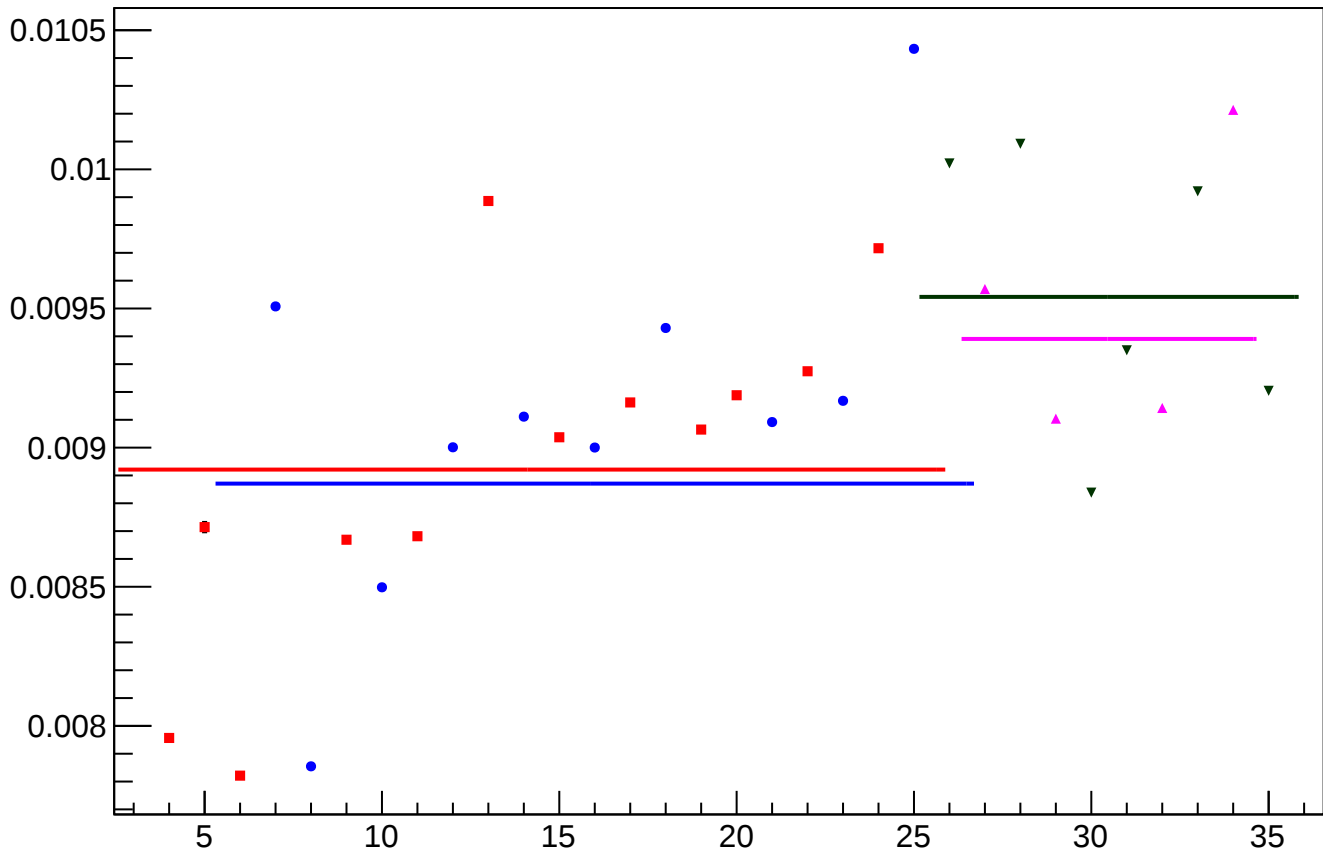
Right Out: -6.893+/-0.000 χ^2/NDF : 4705739160.1/11

Left In: -6.086+/-0.000 χ^2/NDF : 96812661.0/3

-6.643+/-0.000 χ^2/NDF : 19979941344.0/15

-6.645+/-0.000 χ^2/NDF : 20115704085.2/15

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

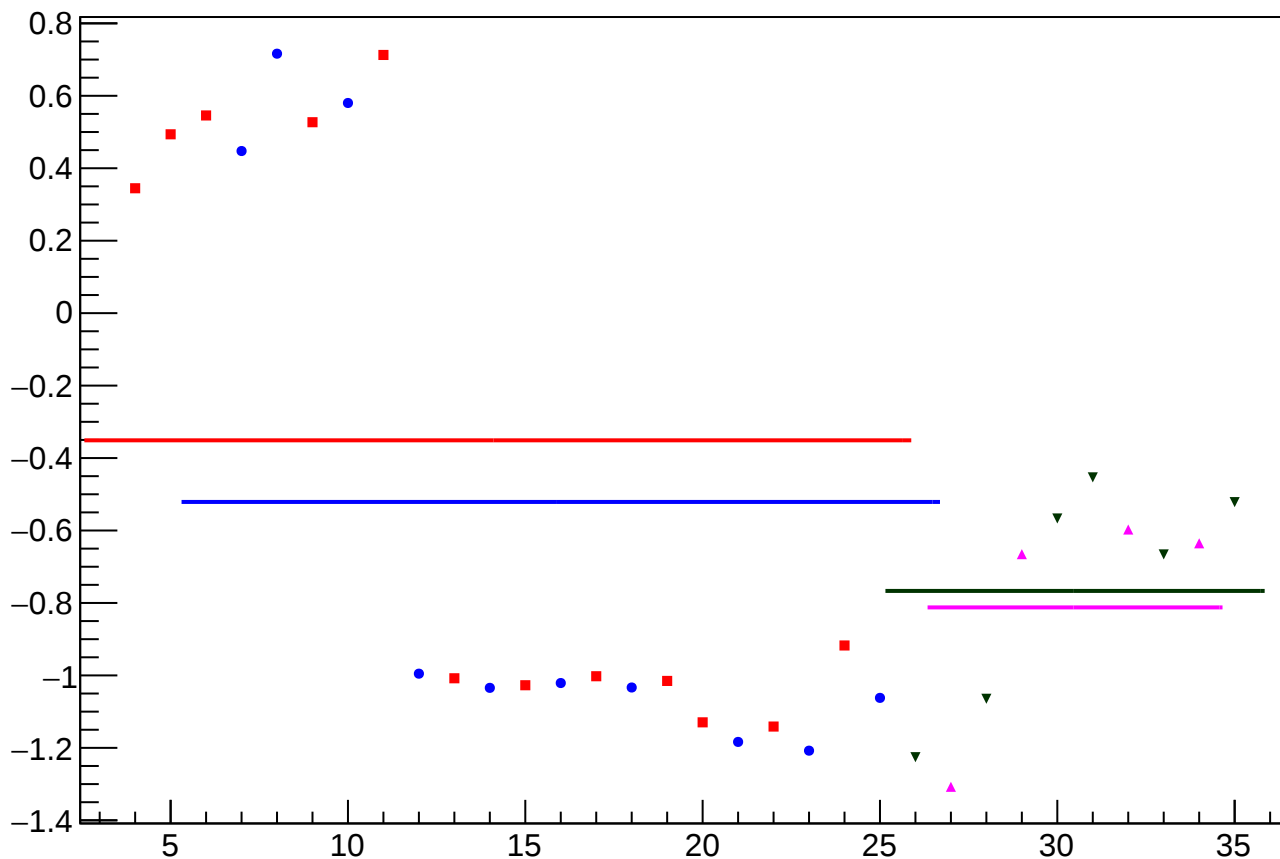
Right Out: 0.009+/-0.000 χ^2/NDF : 61199.2/11

Left In: 0.009+/-0.000 χ^2/NDF : 9838.5/3

0.009+/-0.000 χ^2/NDF : 90502.4/15

0.009+/-0.000 χ^2/NDF : 81403.3/15

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

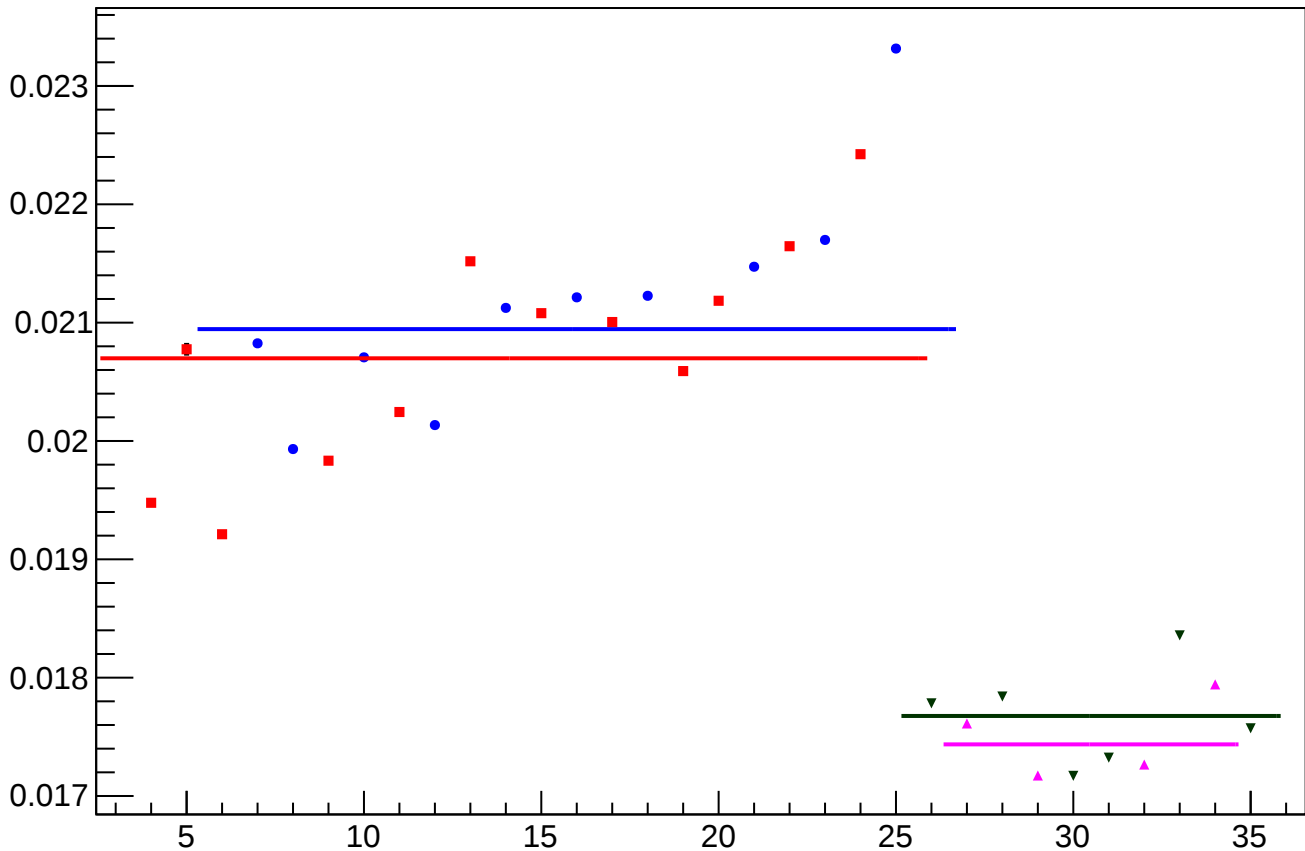
Right Out: -0.351 ± 0.000 χ^2/NDF : 8987357685.6/11

Left In: -0.812 ± 0.000 χ^2/NDF : 904075445.9/3

-0.620 ± 0.000 χ^2/NDF : 10380624399.0/15

-0.539 ± 0.000 χ^2/NDF : 11154880132.5/15

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

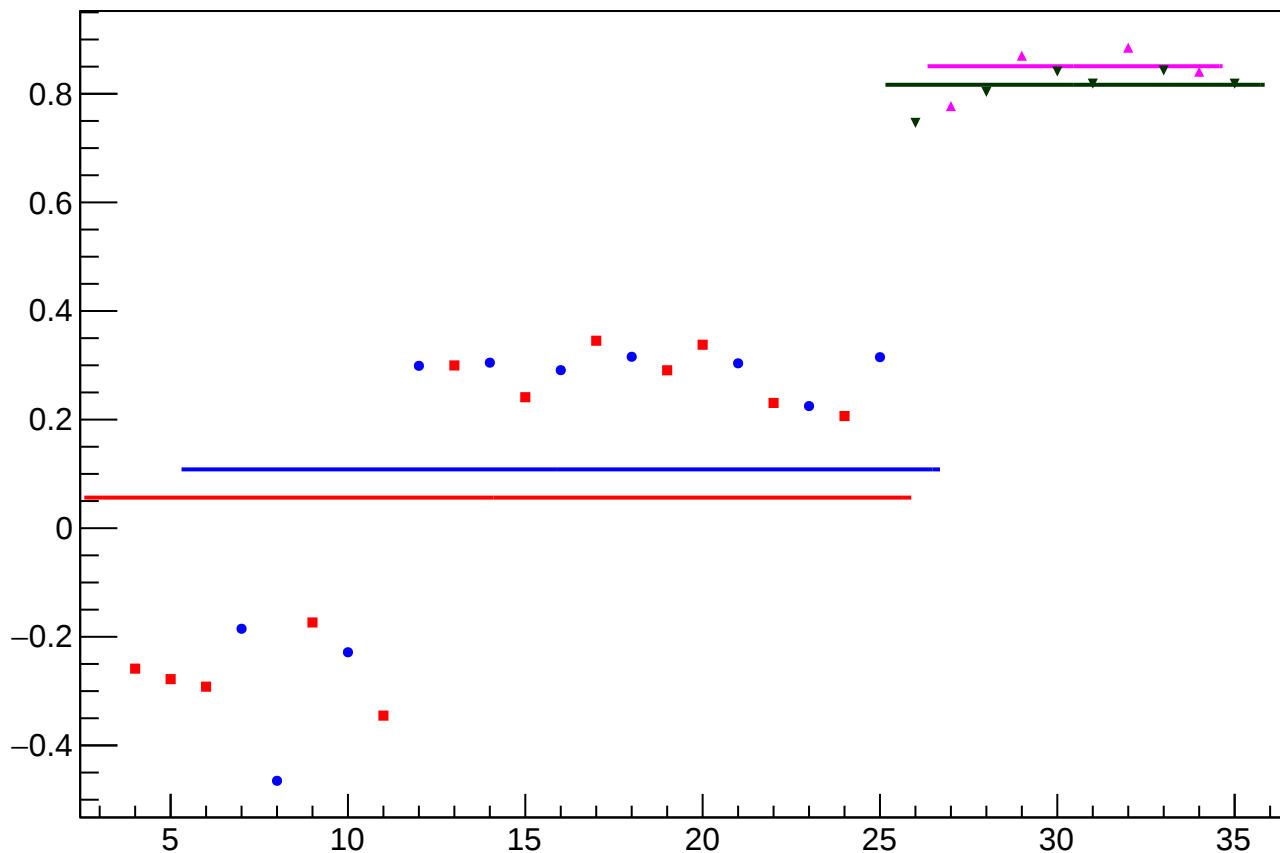
0.020+/-0.000 χ^2/NDF : 141815.7/15

Right Out: 0.021+/-0.000 χ^2/NDF : 25534.1/11

0.019+/-0.000 χ^2/NDF : 153483.9/15

Left In: 0.017+/-0.000 χ^2/NDF : 1522.9/3

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

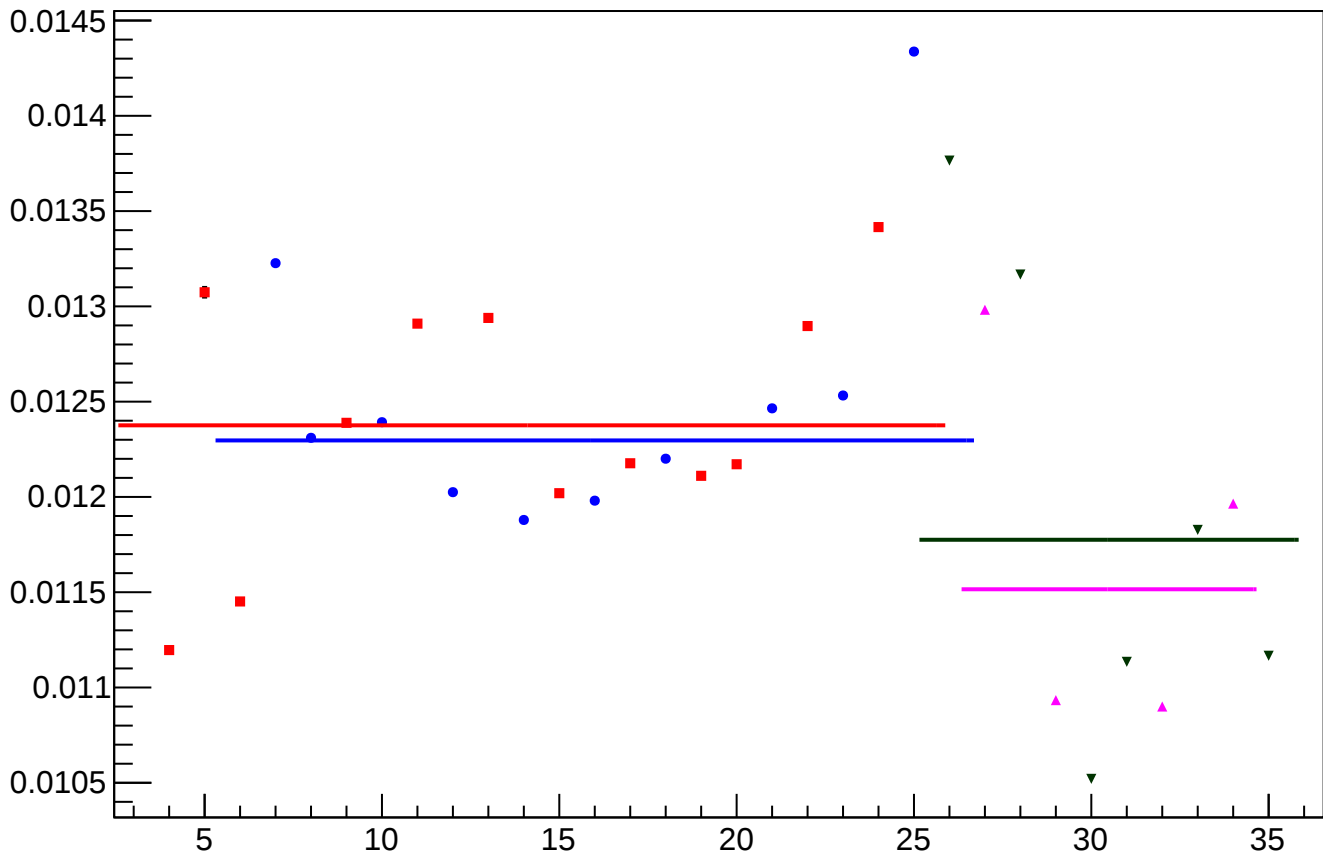
Right Out: 0.056 $\pm$ 0.000 χ^2 /NDF: 2963825797.0/11

Left In: 0.851 $\pm$ 0.000 χ^2 /NDF:37475317.1/3

0.351 $\pm$ 0.000 χ^2 /NDF: 10787630625.4/15

0.343 $\pm$ 0.000 χ^2 /NDF: 12129521058.2/15

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

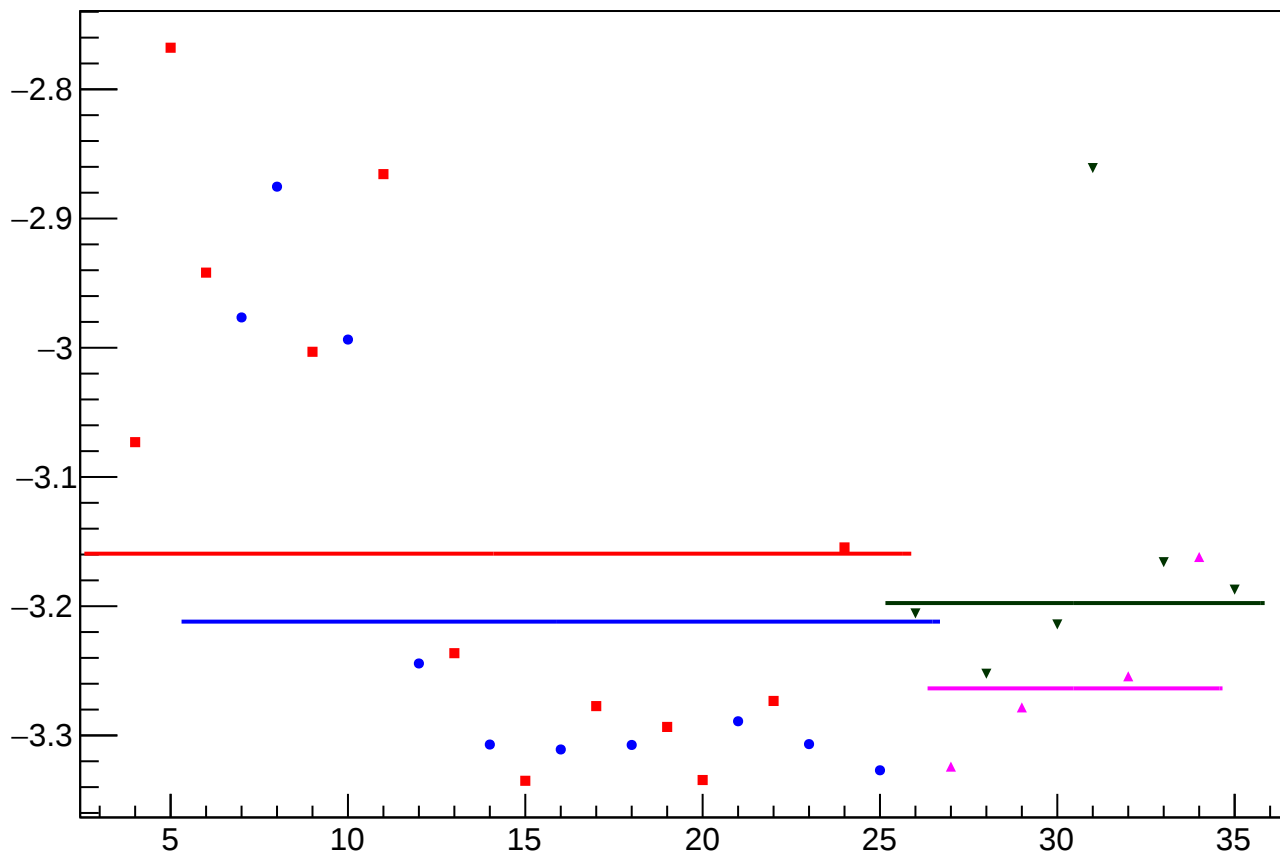
0.012+/-0.000 χ^2/NDF : 80156.0/15

Right Out: 0.012+/-0.000 χ^2/NDF : 31560.7/11

0.012+/-0.000 χ^2/NDF : 85388.0/15

Left In: 0.012+/-0.000 χ^2/NDF : 32416.9/3

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

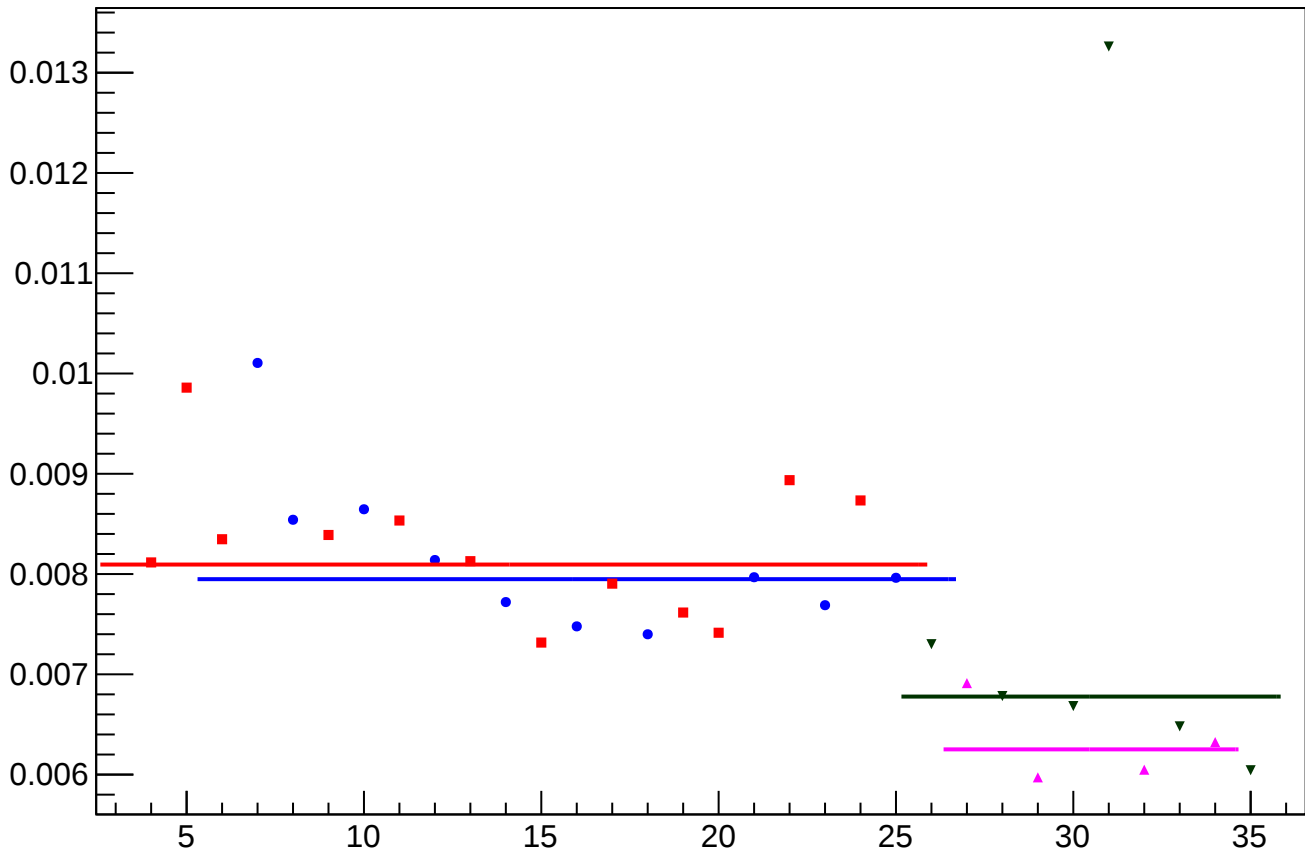
Right Out: -3.159+/-0.000 χ^2/NDF : 2193027591.1/11

Left In: -3.264+/-0.000 χ^2/NDF : 172040611.7/3

-3.206+/-0.000 χ^2/NDF : 2459480248.3/15

-3.208+/-0.000 χ^2/NDF : 2772015626.8/15

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

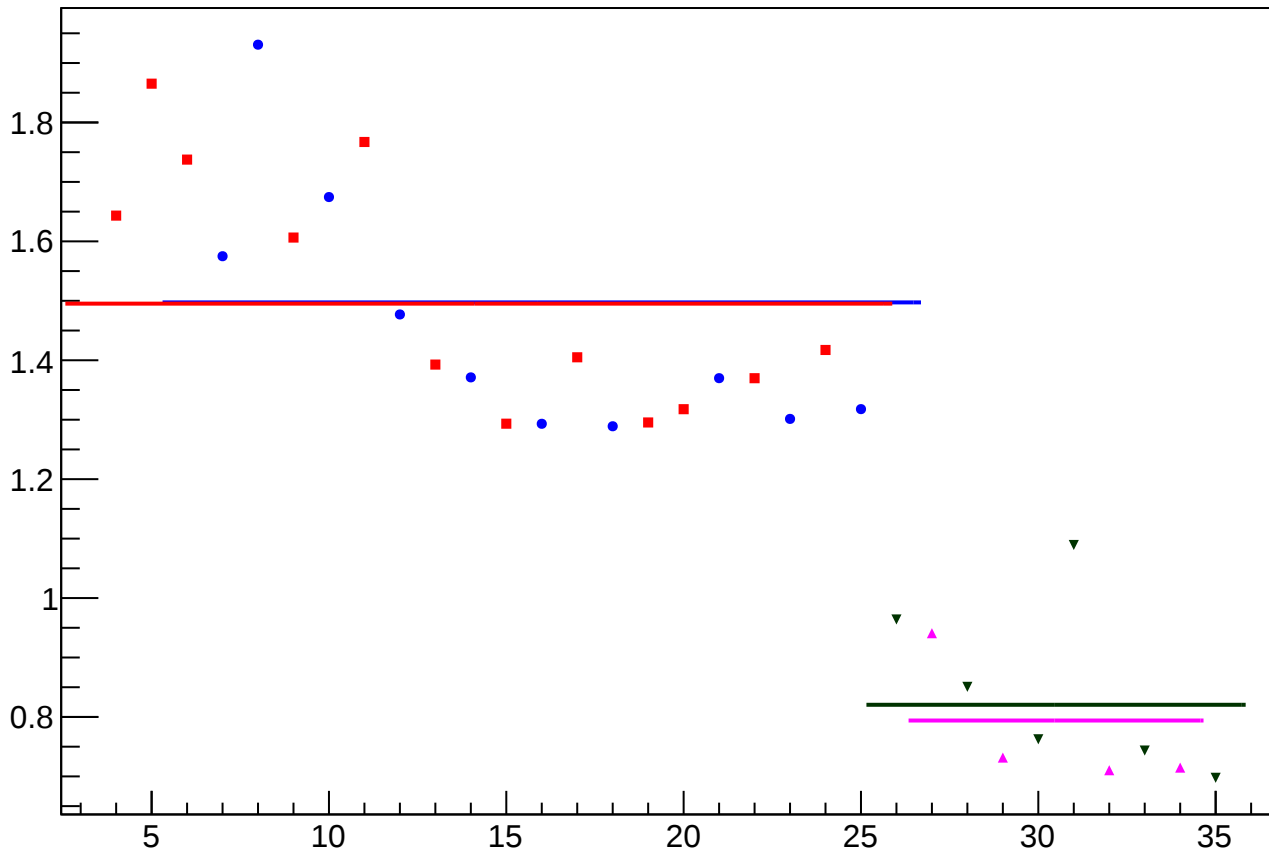
0.008+/-0.000 χ^2/NDF : 280081.6/15

Right Out: 0.008+/-0.000 χ^2/NDF : 41566.1/11

0.007+/-0.000 χ^2/NDF : 314876.8/15

Left In: 0.006+/-0.000 χ^2/NDF :18840.6/3

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

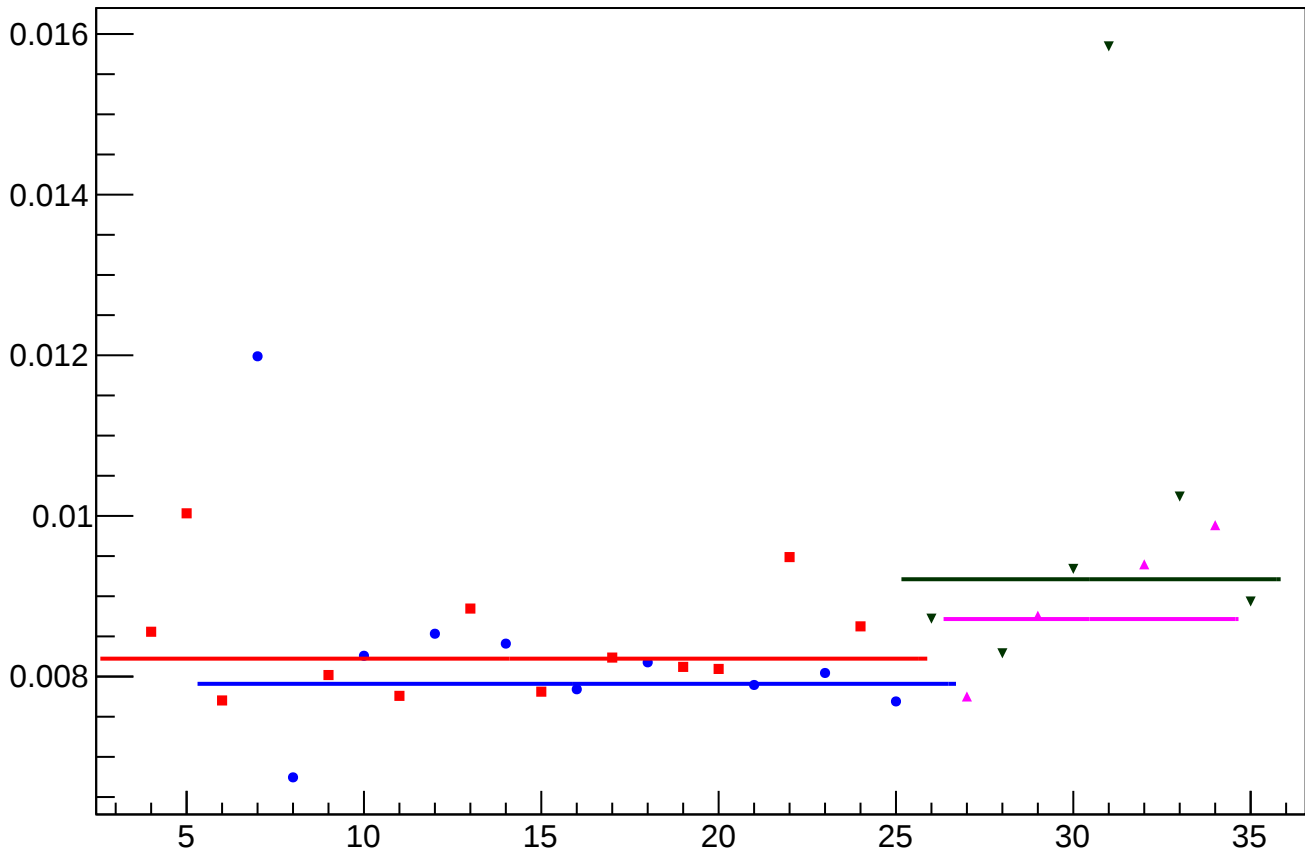
1.329 $\pm$ 0.000 χ^2 /NDF: 15265874683.1/15

Right Out: 1.495 $\pm$ 0.000 χ^2 /NDF: 2404671234.5/11

1.270 $\pm$ 0.000 χ^2 /NDF: 14742327449.9/15

Left In: 0.794 $\pm$ 0.000 χ^2 /NDF: 387312410.8/3

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

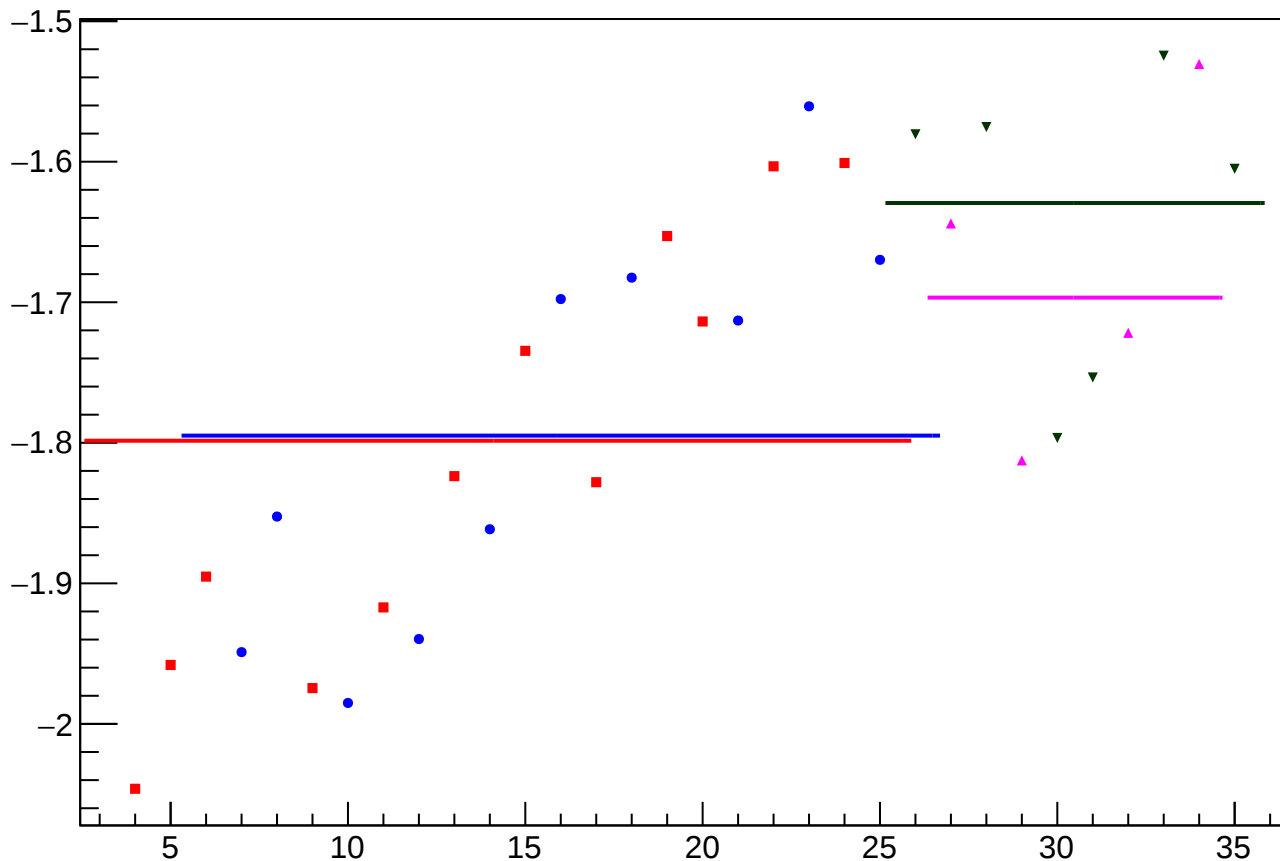
0.008+/-0.000 χ^2/NDF : 286742.5/15

Right Out: 0.008+/-0.000 χ^2/NDF : 38168.5/11

0.008+/-0.000 χ^2/NDF : 92165.7/15

Left In: 0.009+/-0.000 χ^2/NDF :42179.8/3

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

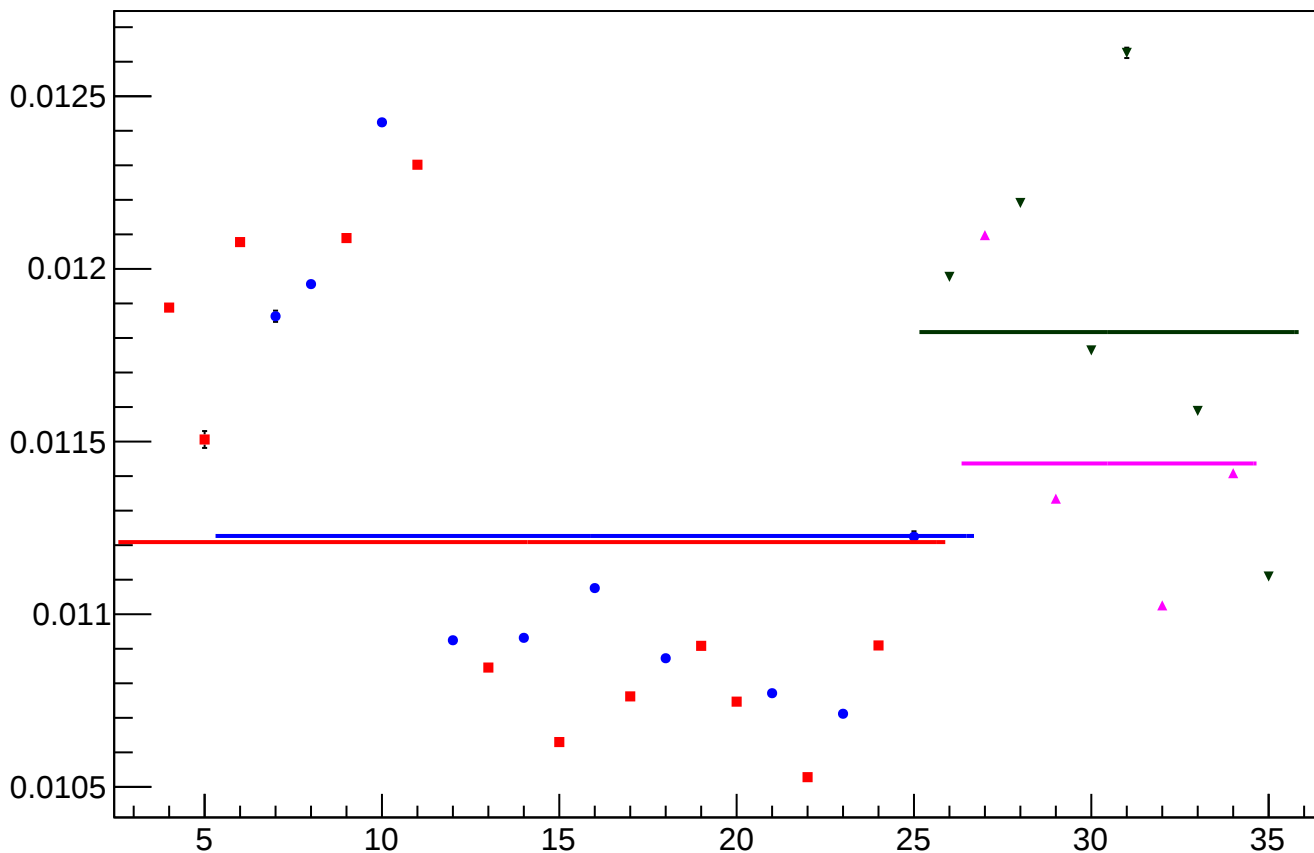
Right Out: -1.799+/-0.000 χ^2/NDF : 930787190.3/11

Left In: -1.697+/-0.000 χ^2/NDF : 213866534.5/3

-1.745+/-0.000 χ^2/NDF : 1458399906.5/15

-1.766+/-0.000 χ^2/NDF : 1309738251.0/15

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

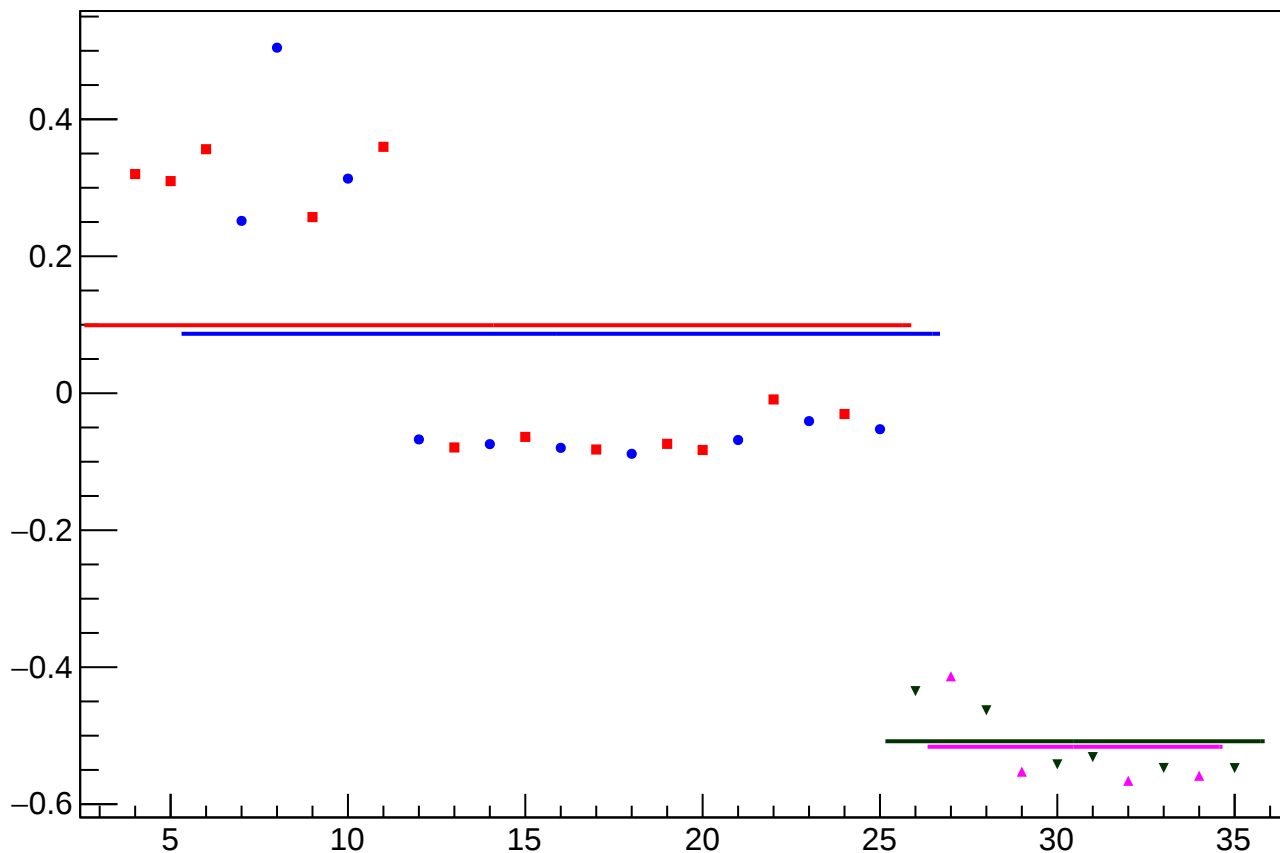
Right Out: 0.011+/-0.000 χ^2/NDF : 41113.0/11

Left In: 0.011+/-0.000 χ^2/NDF : 7609.6/3

0.011+/-0.000 χ^2/NDF : 51752.2/15

0.011+/-0.000 χ^2/NDF : 50373.9/15

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

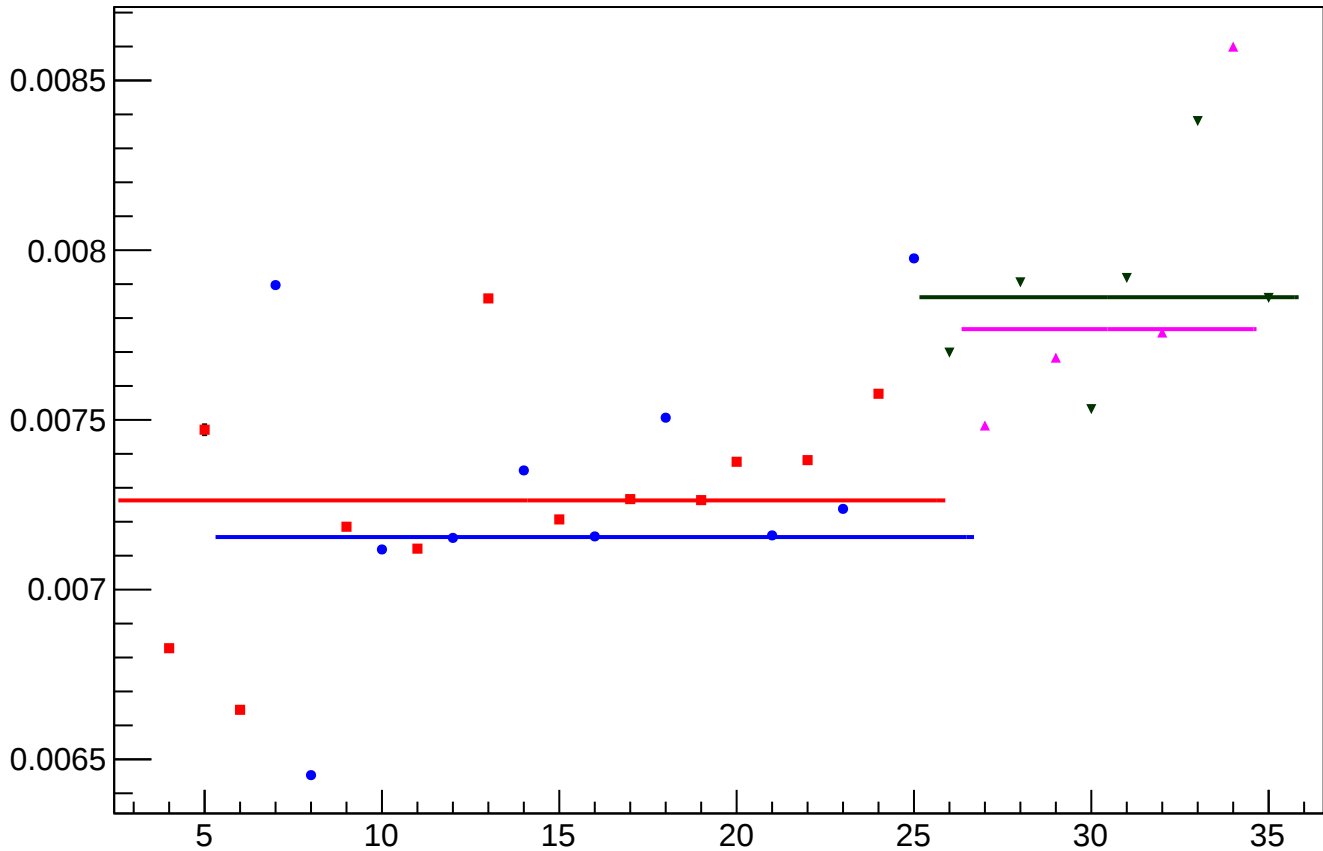
Right Out: 0.099+/-0.000 χ^2/NDF : 4238157293.7/11

Left In: -0.516+/-0.000 χ^2/NDF : 221975537.2/3

-0.081+/-0.000 χ^2/NDF : 18962656144.1/15

-0.086+/-0.000 χ^2/NDF : 17688034161.5/15

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

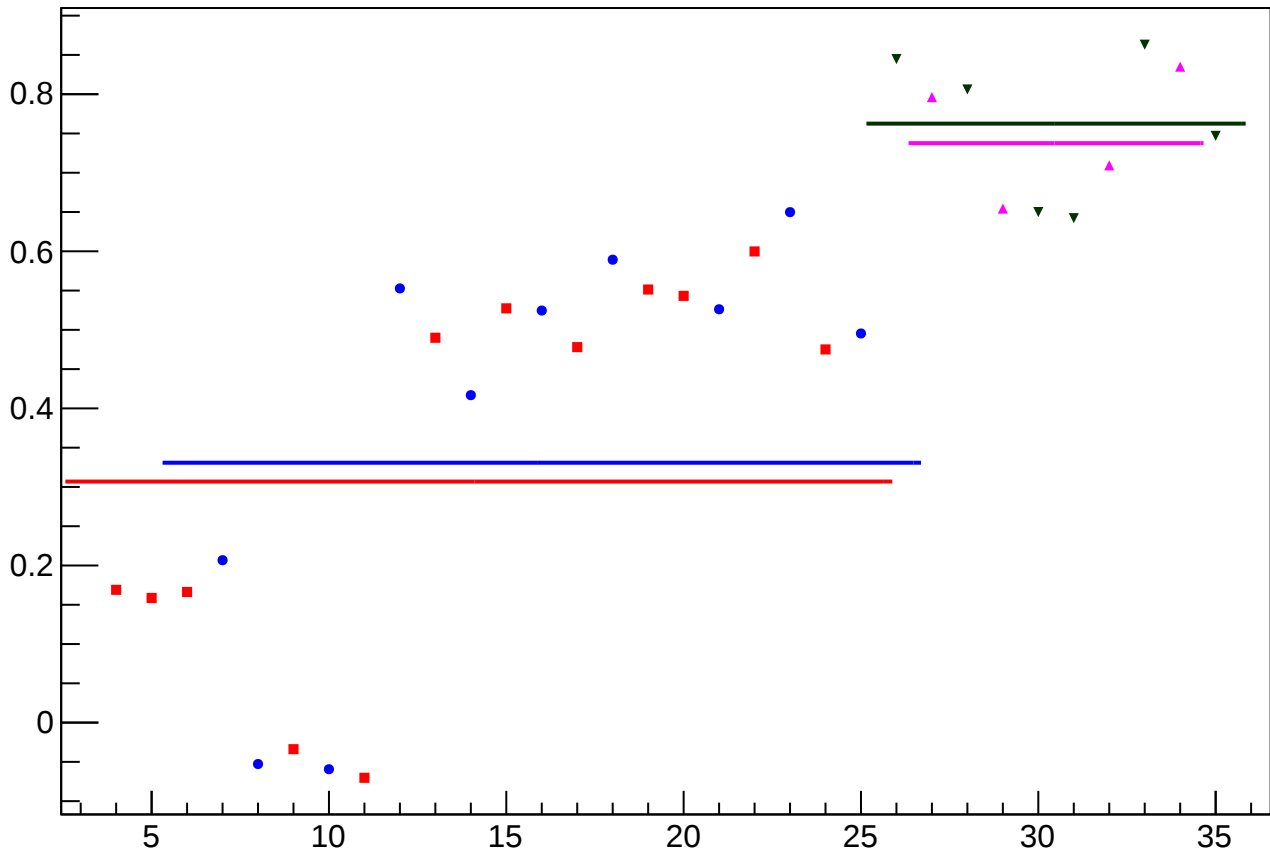
0.007+/-0.000 χ^2/NDF : 75969.9/15

Right Out: 0.007+/-0.000 χ^2/NDF : 25457.6/11

0.007+/-0.000 χ^2/NDF : 54973.2/15

Left In: 0.008+/-0.000 χ^2/NDF : 11731.5/3

yield_bpm0l05X_mean vs slug



Right In: 0.331 ± 0.000 χ^2/NDF : 10288533334.9/9

Left Out: 0.763 ± 0.000 χ^2/NDF : 474570762.1/5

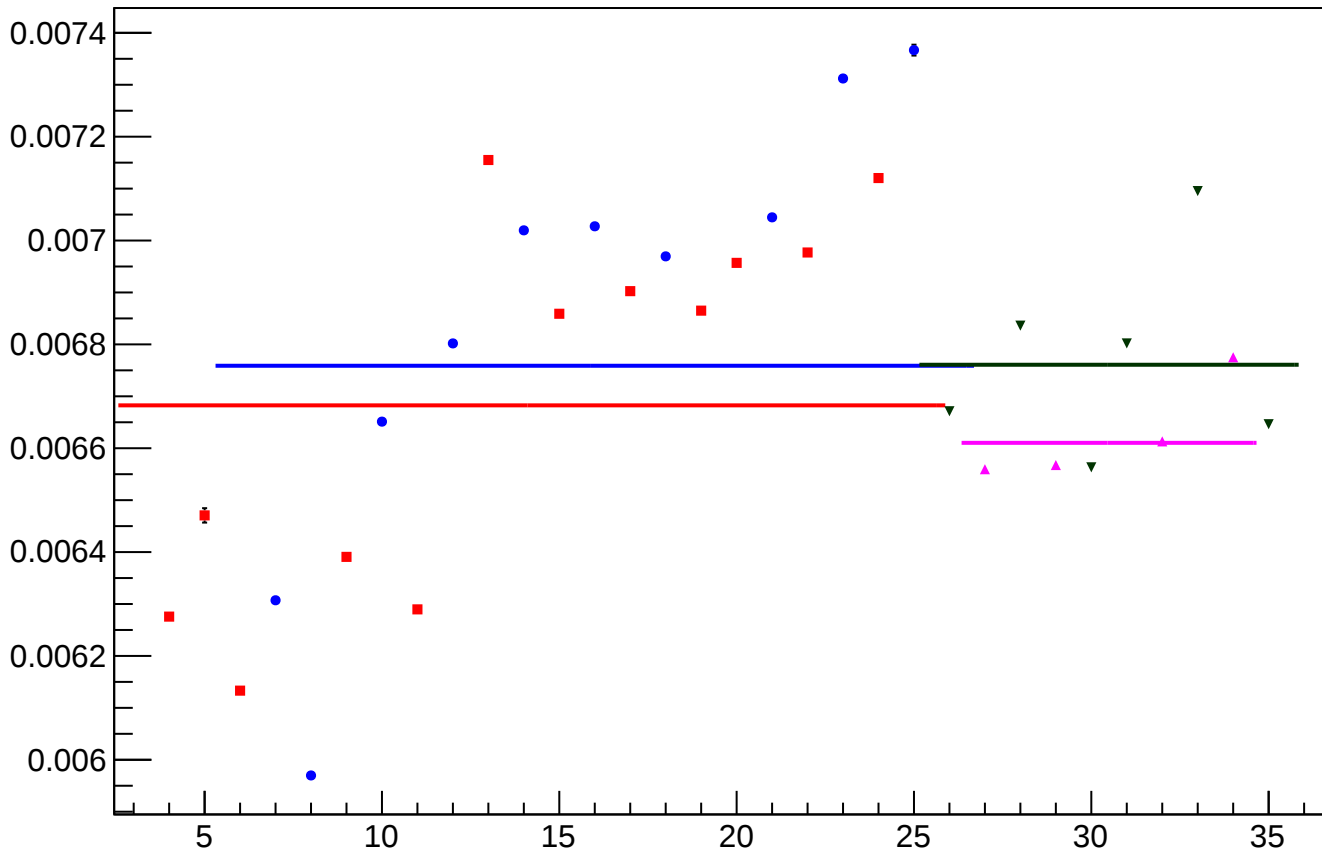
0.472 ± 0.000 χ^2/NDF : 19167779419.0/15

Right Out: 0.307 ± 0.000 χ^2/NDF : 8592627222.1/11

0.451 ± 0.000 χ^2/NDF : 17524451755.5/15

Left In: 0.738 ± 0.000 χ^2/NDF : 319582813.4/3

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

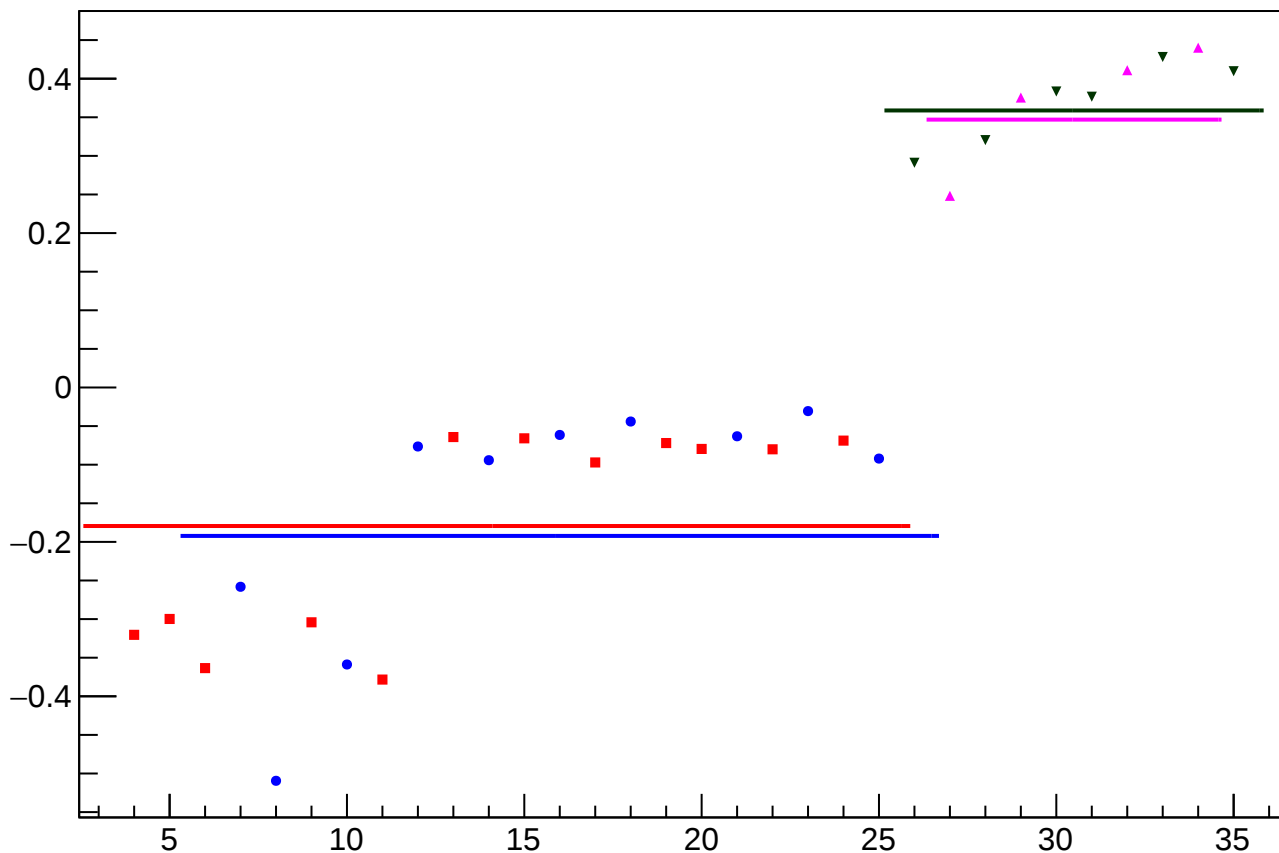
Right Out: 0.007+/-0.000 χ^2/NDF : 37923.0/11

Left In: 0.007+/-0.000 χ^2/NDF : 753.6/3

0.007+/-0.000 χ^2/NDF : 54967.1/15

0.007+/-0.000 χ^2/NDF : 39160.0/15

yield_bpm0l05Y_mean vs slug



Right In: -0.192+/-0.000 χ^2/NDF : 7520458731.7/9

Left Out: 0.359+/-0.000 χ^2/NDF : 217674307.3/5

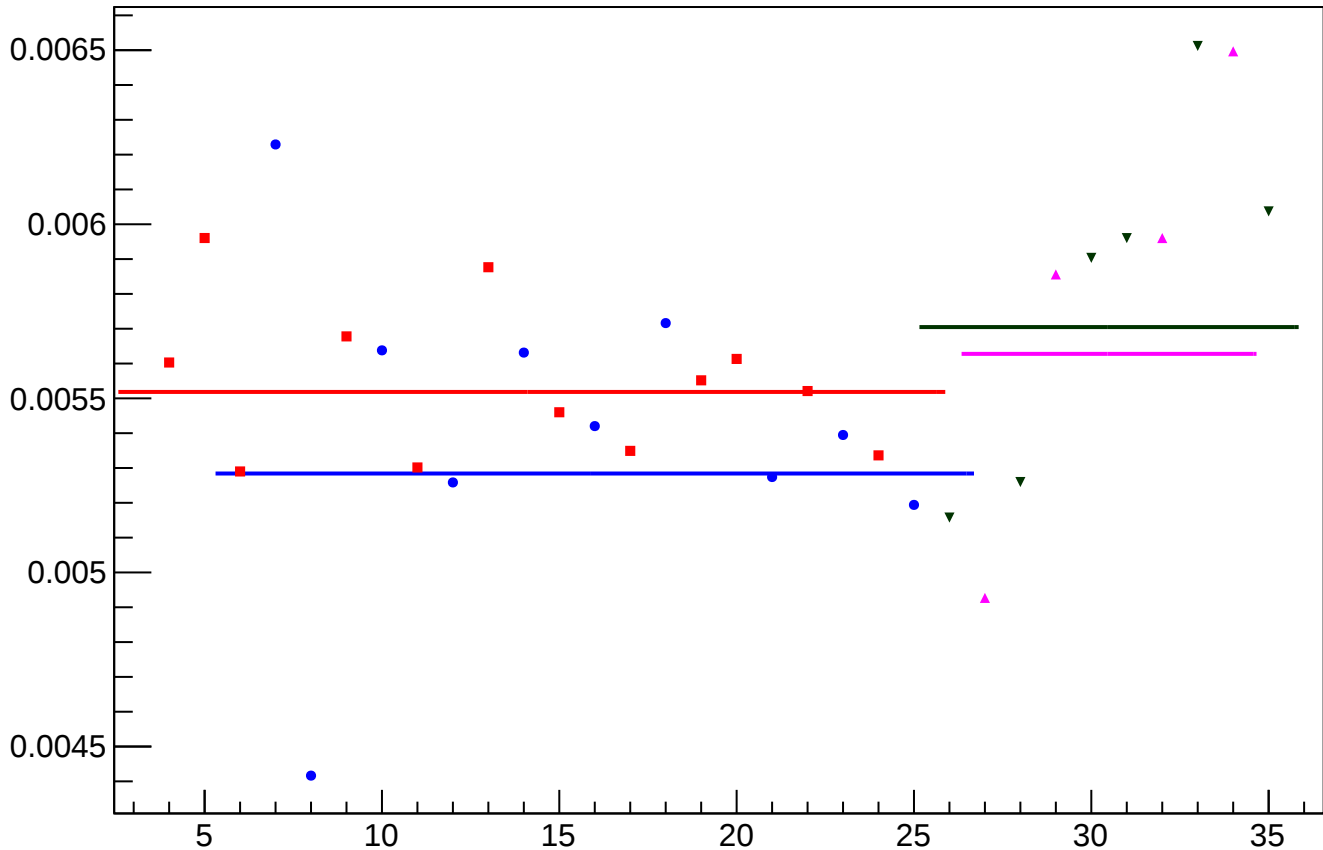
Right Out: -0.179+/-0.000 χ^2/NDF : 3508774818.6/11

Left In: 0.347+/-0.000 χ^2/NDF : 545034320.8/3

-0.033+/-0.000 χ^2/NDF : 27188050499.7/15

-0.011+/-0.000 χ^2/NDF : 21683035028.3/15

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

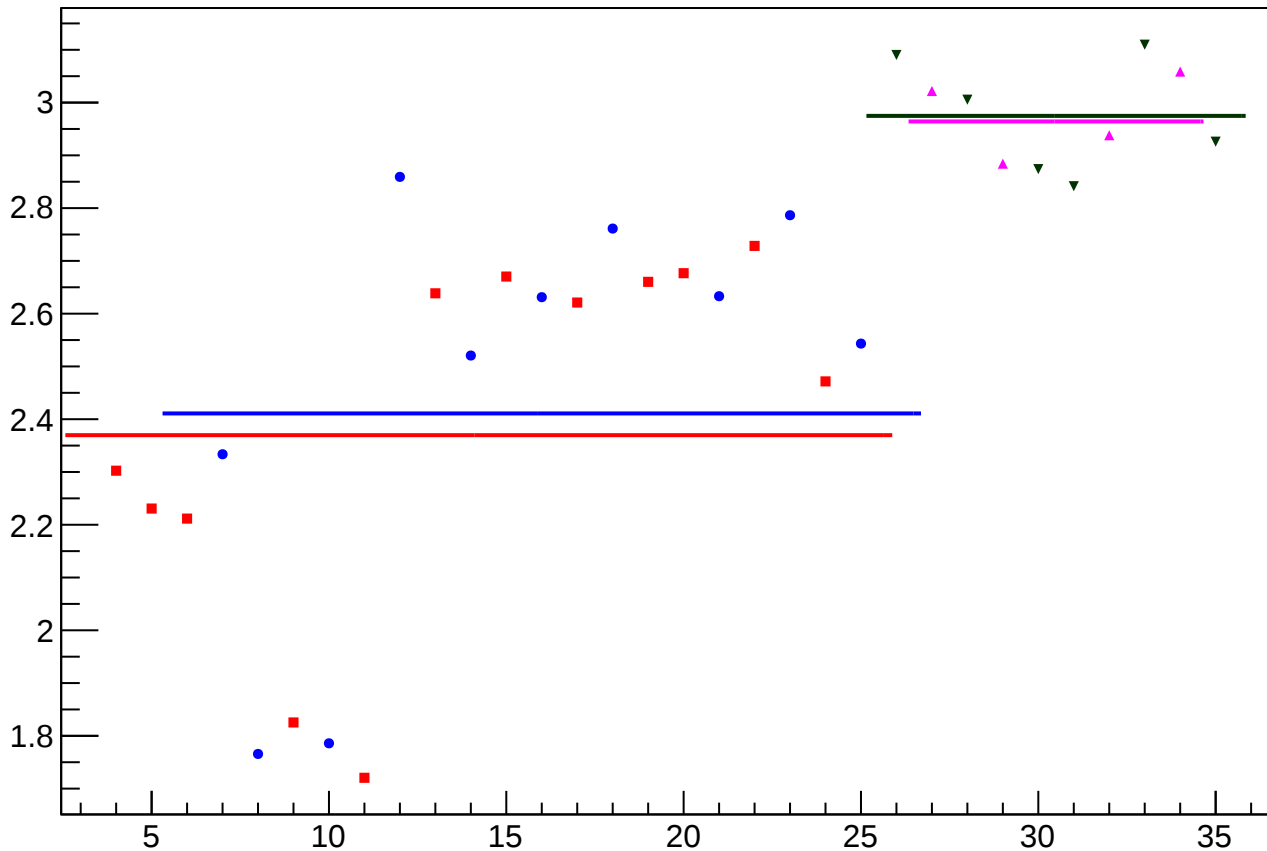
Right Out: 0.006+/-0.000 χ^2/NDF : 15882.5/11

Left In: 0.006+/-0.000 χ^2/NDF : 58016.9/3

0.005+/-0.000 χ^2/NDF : 163955.4/15

0.006+/-0.000 χ^2/NDF : 75420.7/15

yield_bpm0l06X_mean vs slug



Right In: 2.411 $\pm$ 0.000 χ^2 /NDF: 8288488350.8/9

Left Out: 2.975 $\pm$ 0.000 χ^2 /NDF: 316329782.7/5

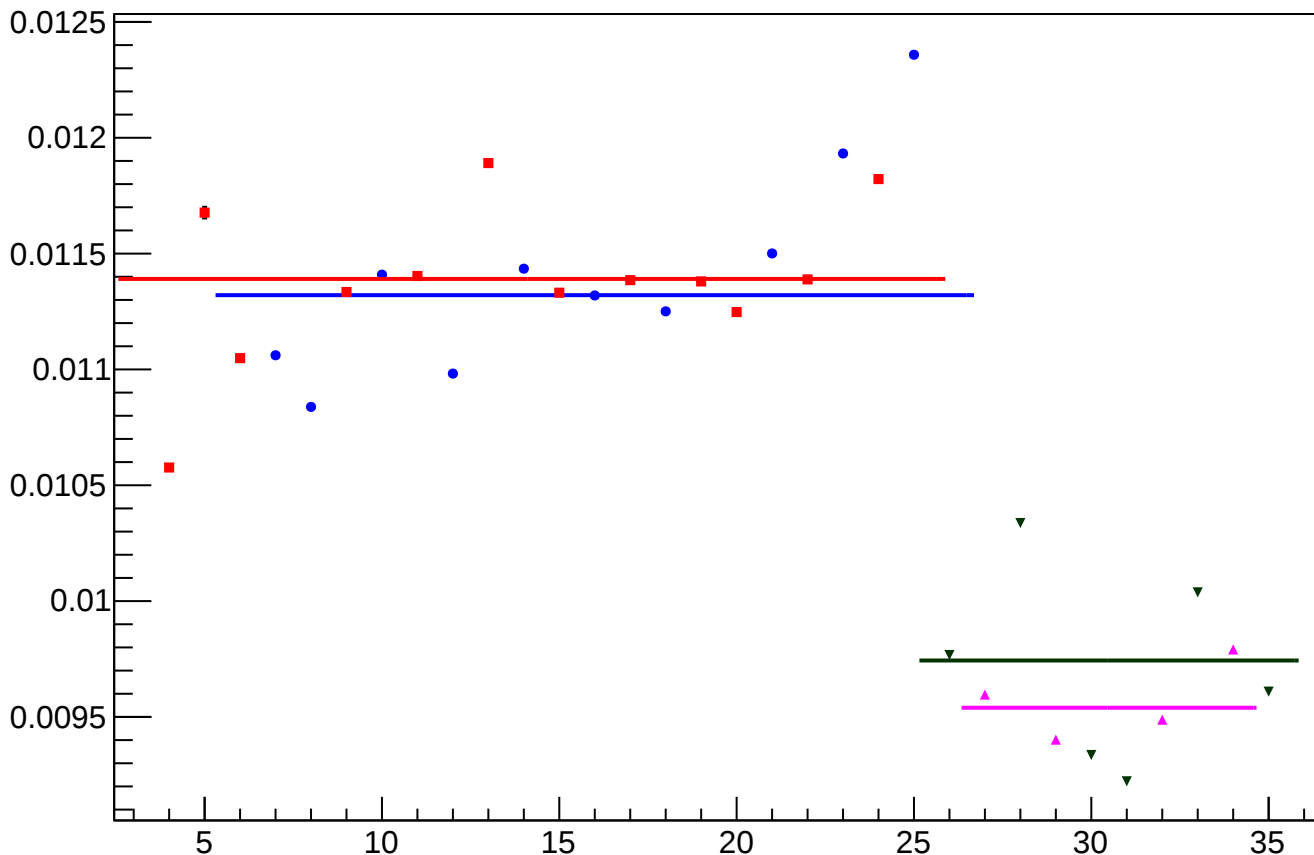
2.635 $\pm$ 0.000 χ^2 /NDF: 14846495212.5/15

Right Out: 2.370 $\pm$ 0.000 χ^2 /NDF: 6148614256.2/11

2.615 $\pm$ 0.000 χ^2 /NDF: 13249592922.7/15

Left In: 2.964 $\pm$ 0.000 χ^2 /NDF: 144058761.0/3

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

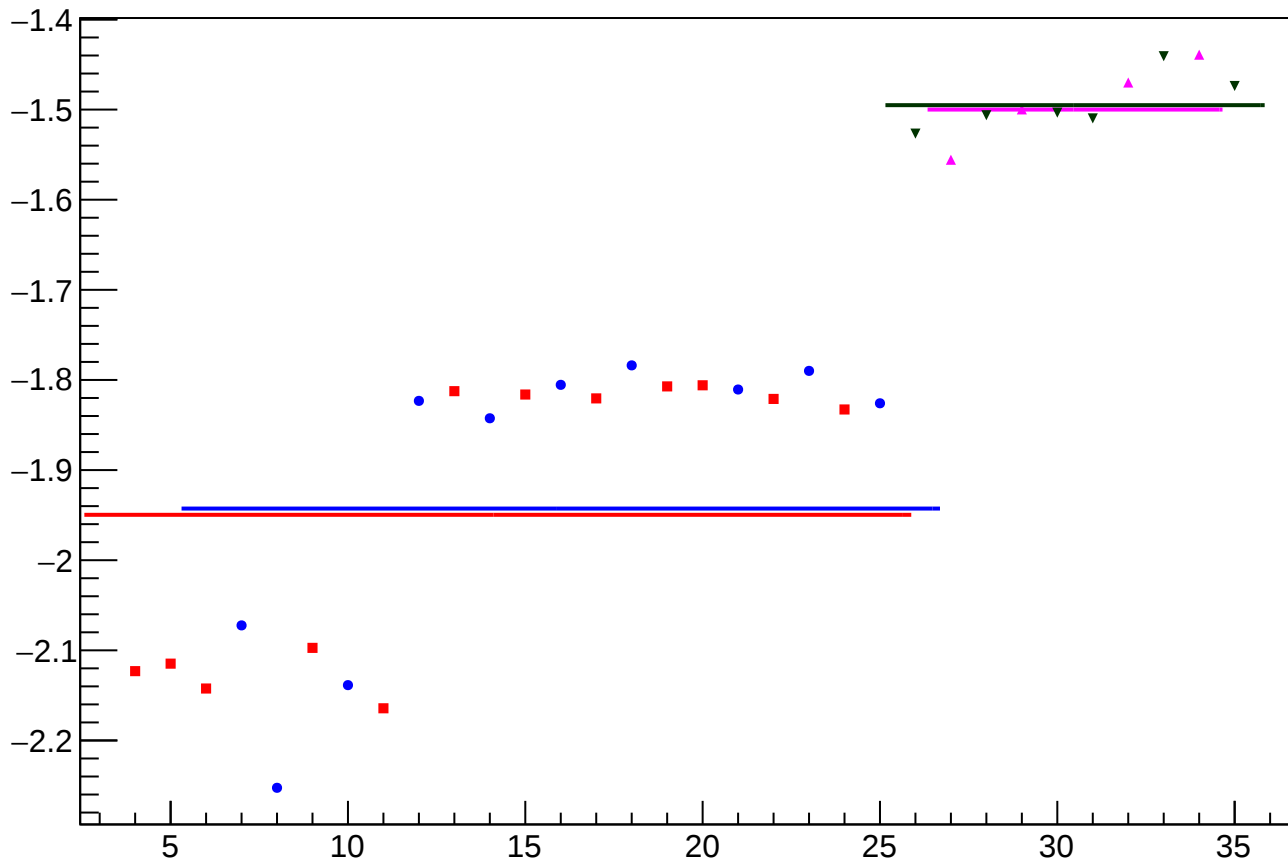
Right Out: 0.011+/-0.000 χ^2/NDF : 10496.6/11

Left In: 0.010+/-0.000 χ^2/NDF :1121.4/3

0.011+/-0.000 χ^2/NDF : 119358.1/15

0.011+/-0.000 χ^2/NDF : 146527.3/15

yield_bpm0l06Y_mean vs slug



Right In: -1.943+/-0.000 χ^2/NDF : 9180562095.2/9

Left Out: -1.950+/-0.000 χ^2/NDF : 77026842.2/5

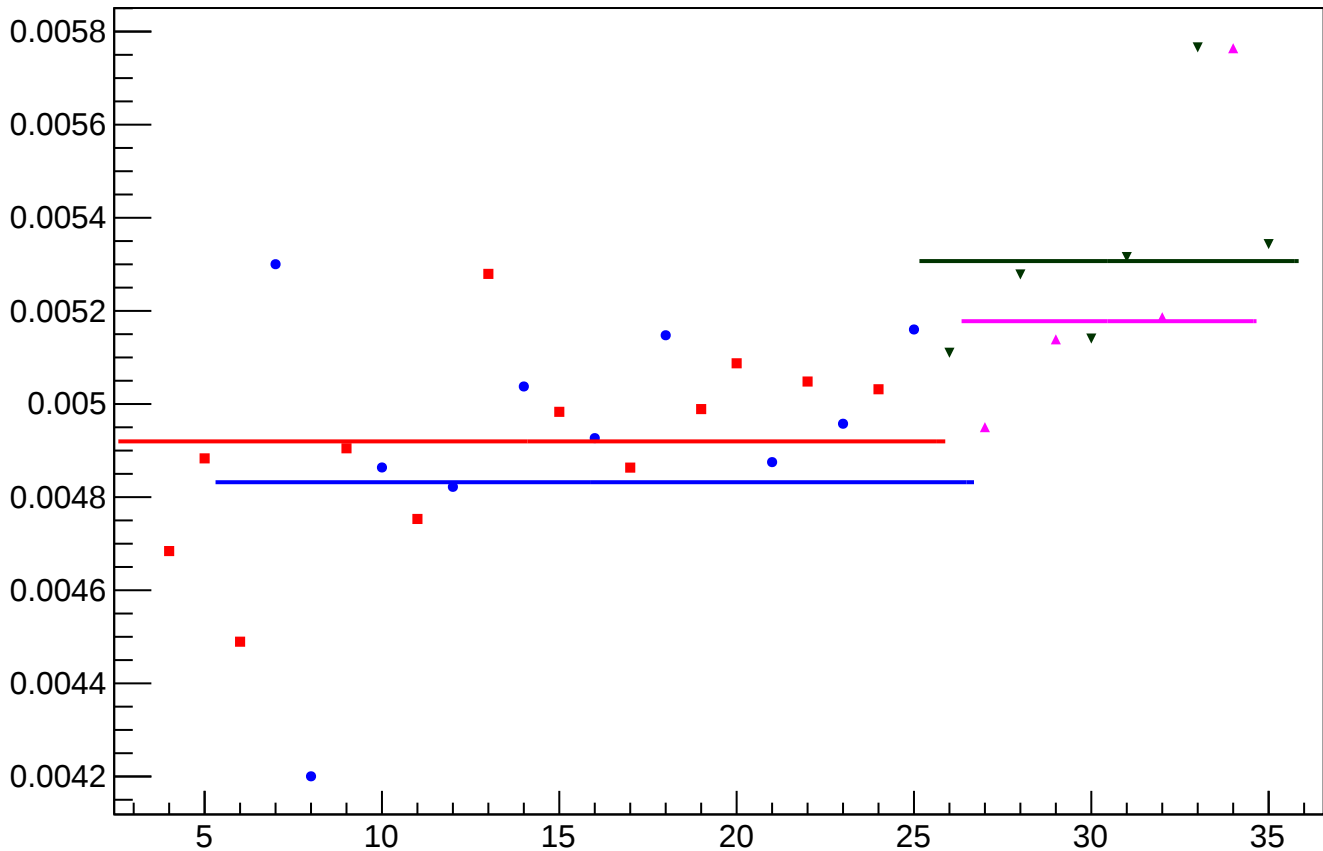
-1.816+/-0.000 χ^2/NDF : 24493207423.4/15

Right Out: -1.950+/-0.000 χ^2/NDF : 6176400274.4/11

-1.812+/-0.000 χ^2/NDF : 22101952037.7/15

Left In: -1.500+/-0.000 χ^2/NDF : 187892283.1/3

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

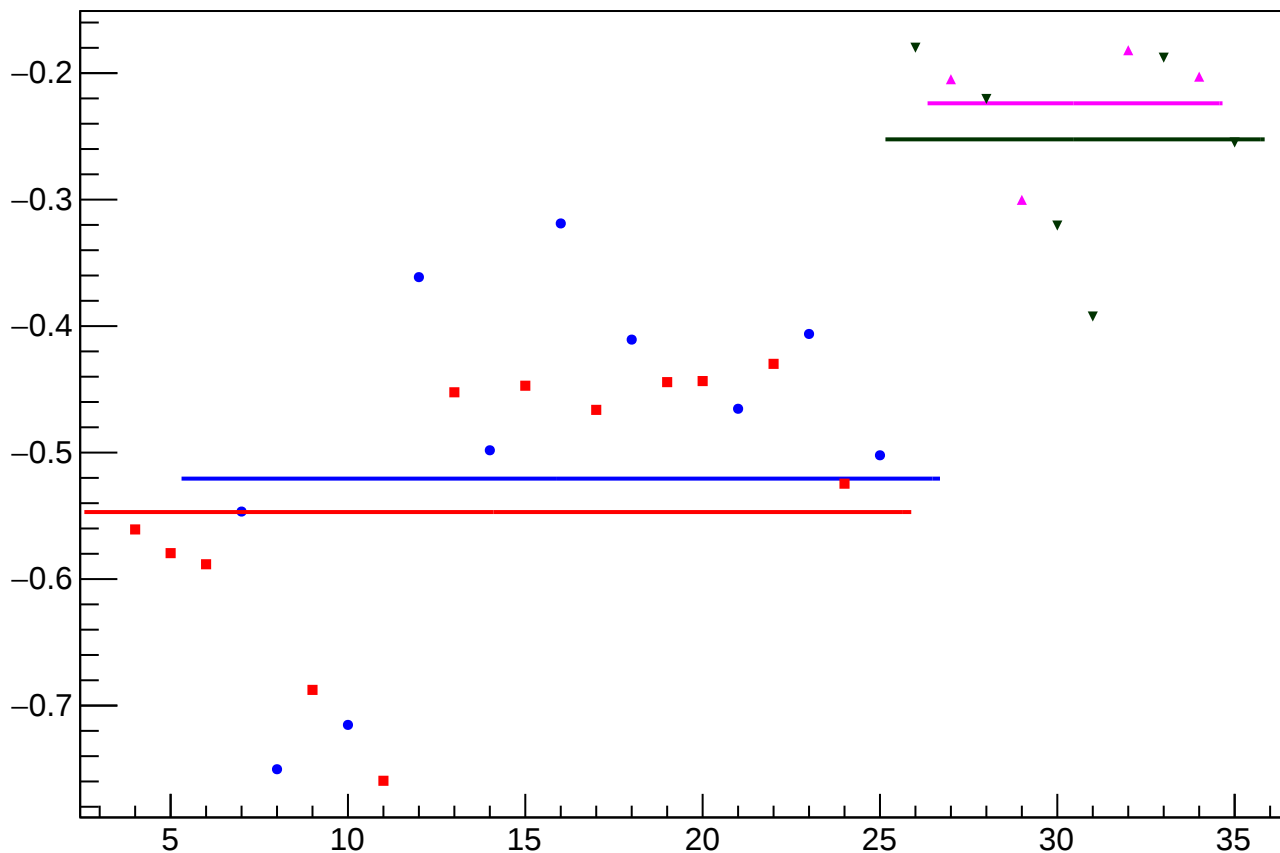
0.005+/-0.000 χ^2/NDF : 98428.3/15

Right Out: 0.005+/-0.000 χ^2/NDF : 23832.0/11

0.005+/-0.000 χ^2/NDF : 47888.6/15

Left In: 0.005+/-0.000 χ^2/NDF : 13680.4/3

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

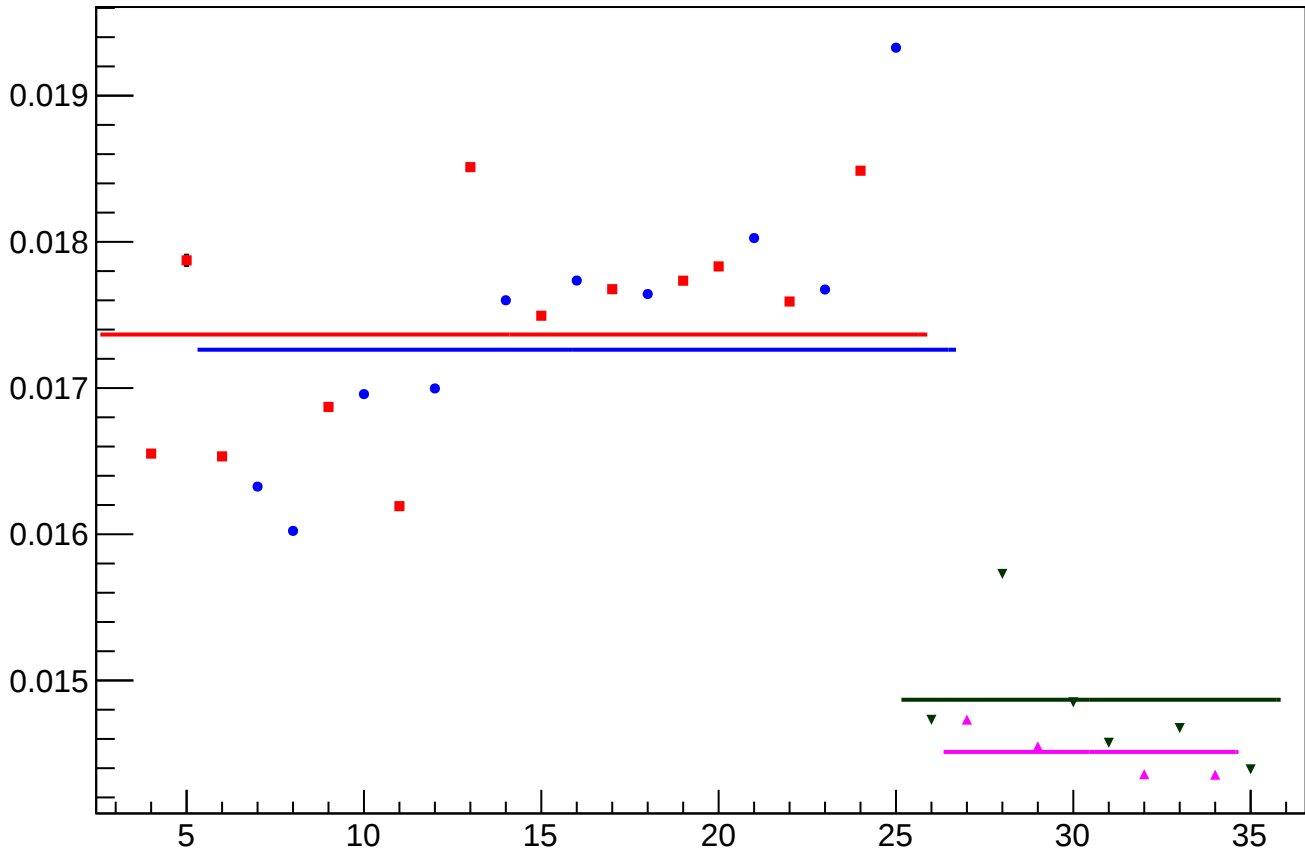
Right Out: -0.547+/-0.000 χ^2/NDF : 269735804.4/11

Left In: -0.224+/-0.000 χ^2/NDF : 33238750.4/3

-0.413+/-0.000 χ^2/NDF : 1154404827.3/15

-0.412+/-0.000 χ^2/NDF : 1191171210.8/15

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

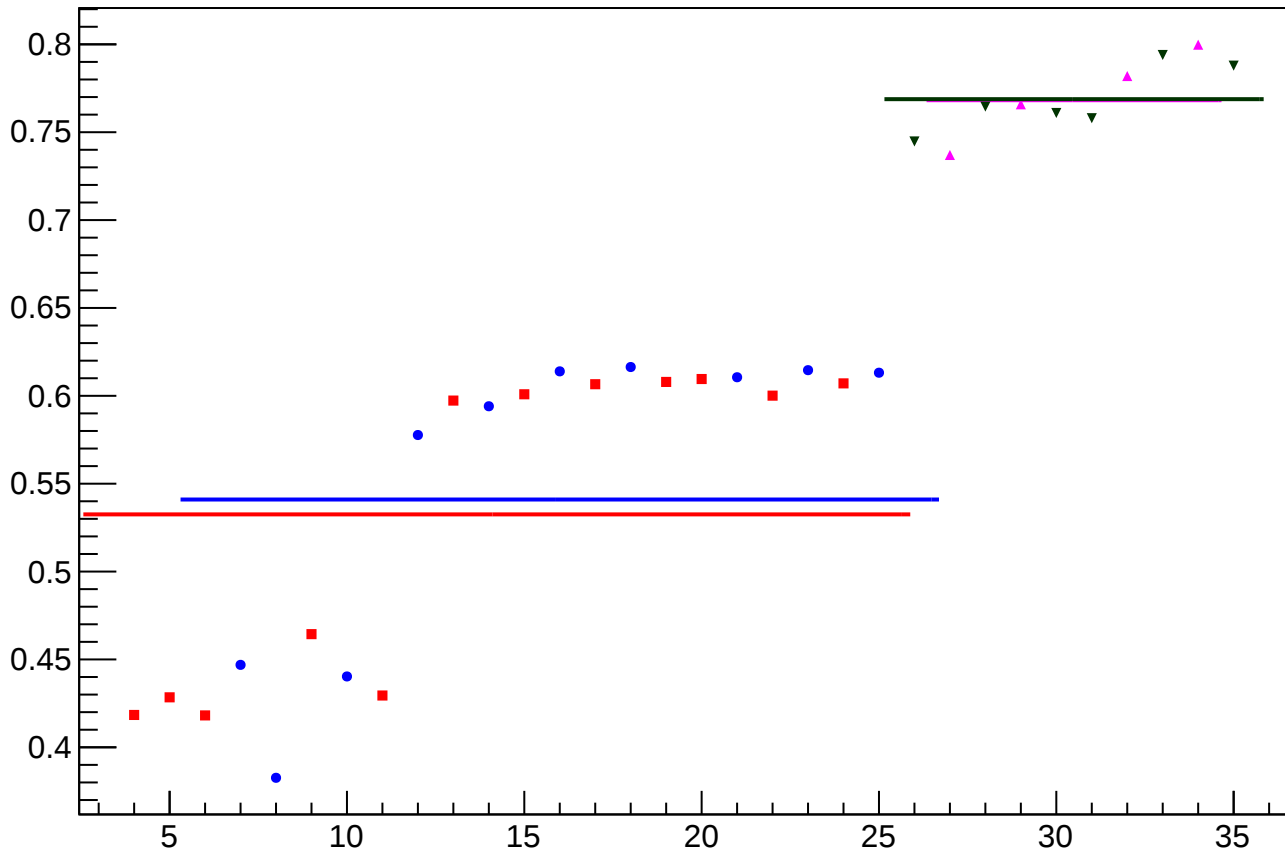
0.016+/-0.000 χ^2/NDF : 127571.3/15

Right Out: 0.017+/-0.000 χ^2/NDF : 25208.5/11

0.016+/-0.000 χ^2/NDF : 164584.9/15

Left In: 0.015+/-0.000 χ^2/NDF : 709.4/3

yield_bpm0l07Y_mean vs slug



Right In: 0.541+/-0.000 χ^2/NDF : 5869404533.9/9

Left Out: 0.769+/-0.000 χ^2/NDF : 79730294.0/5

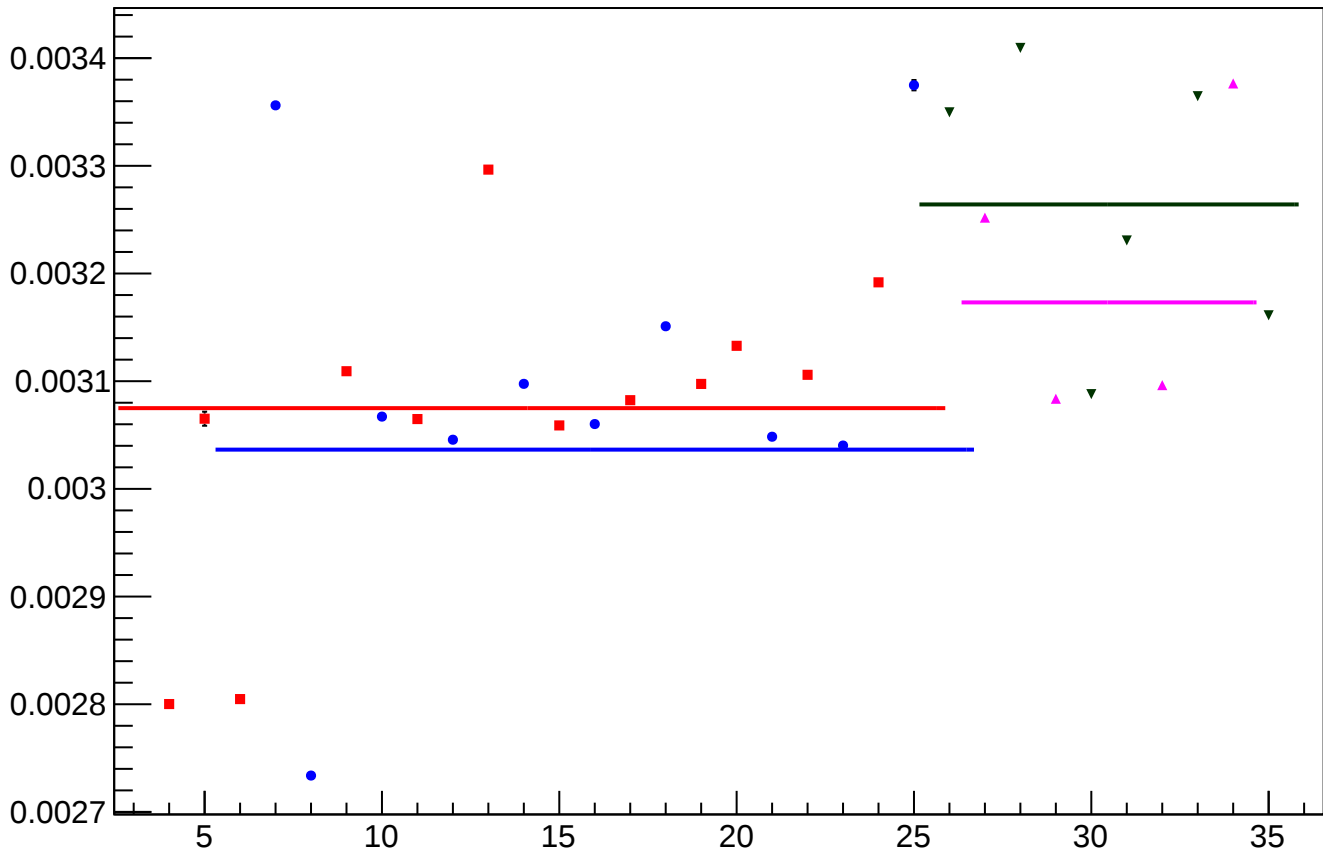
0.608+/-0.000 χ^2/NDF : 16328976544.1/15

Right Out: 0.533+/-0.000 χ^2/NDF : 4611310317.7/11

0.607+/-0.000 χ^2/NDF : 16167148931.1/15

Left In: 0.768+/-0.000 χ^2/NDF : 136347928.7/3

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

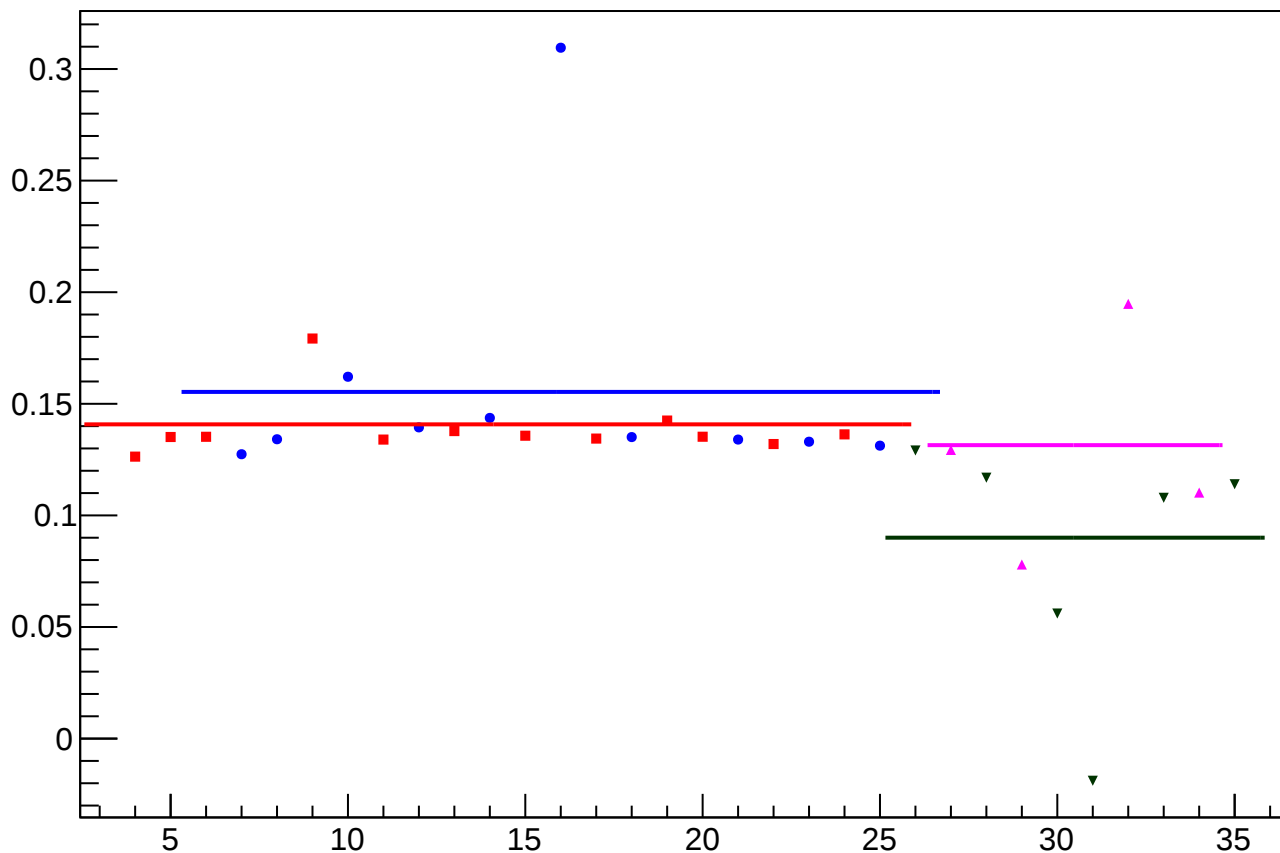
0.003+/-0.000 χ^2/NDF : 63054.7/15

Right Out: 0.003+/-0.000 χ^2/NDF : 27152.3/11

0.003+/-0.000 χ^2/NDF : 38142.7/15

Left In: 0.003+/-0.000 χ^2/NDF :7025.8/3

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

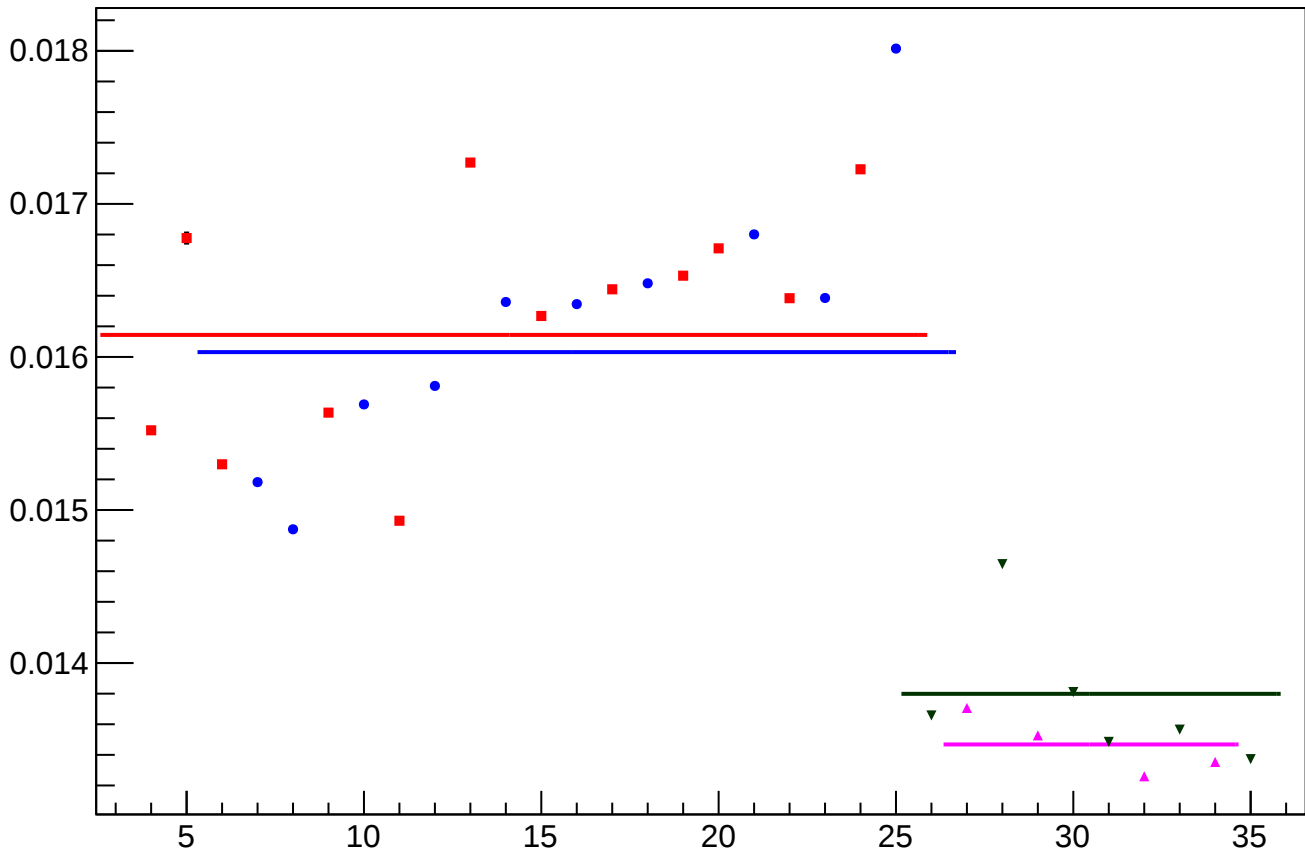
Right Out: 0.141+/-0.000 χ^2/NDF : 5462429.5/11

Left In: 0.131+/-0.000 χ^2/NDF : 34481738.1/3

0.129+/-0.000 χ^2/NDF : 138435505.1/15

0.137+/-0.000 χ^2/NDF : 40798452.1/15

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

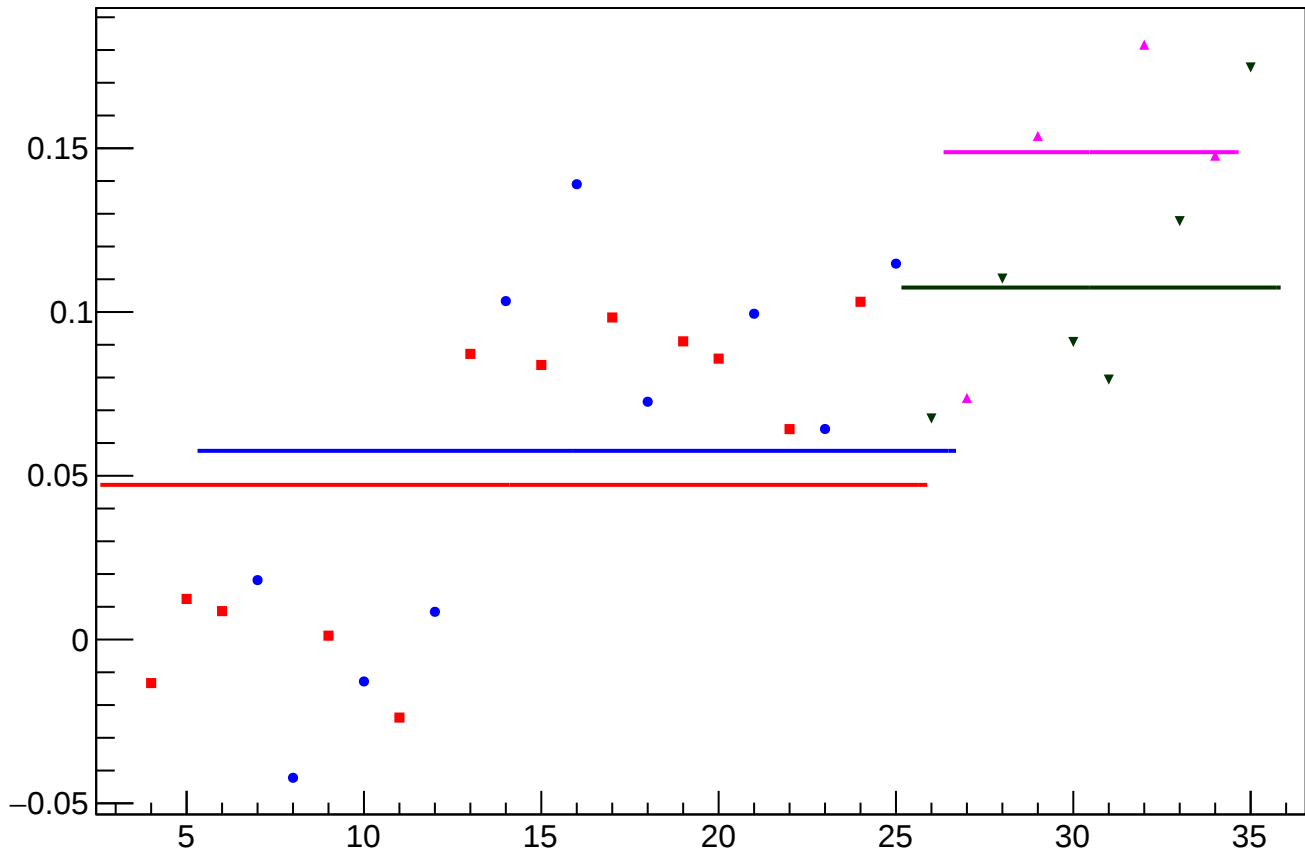
0.015+/-0.000 χ^2/NDF : 130019.5/15

Right Out: 0.016+/-0.000 χ^2/NDF : 28739.5/11

0.015+/-0.000 χ^2/NDF : 170695.7/15

Left In: 0.013+/-0.000 χ^2/NDF : 1055.1/3

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

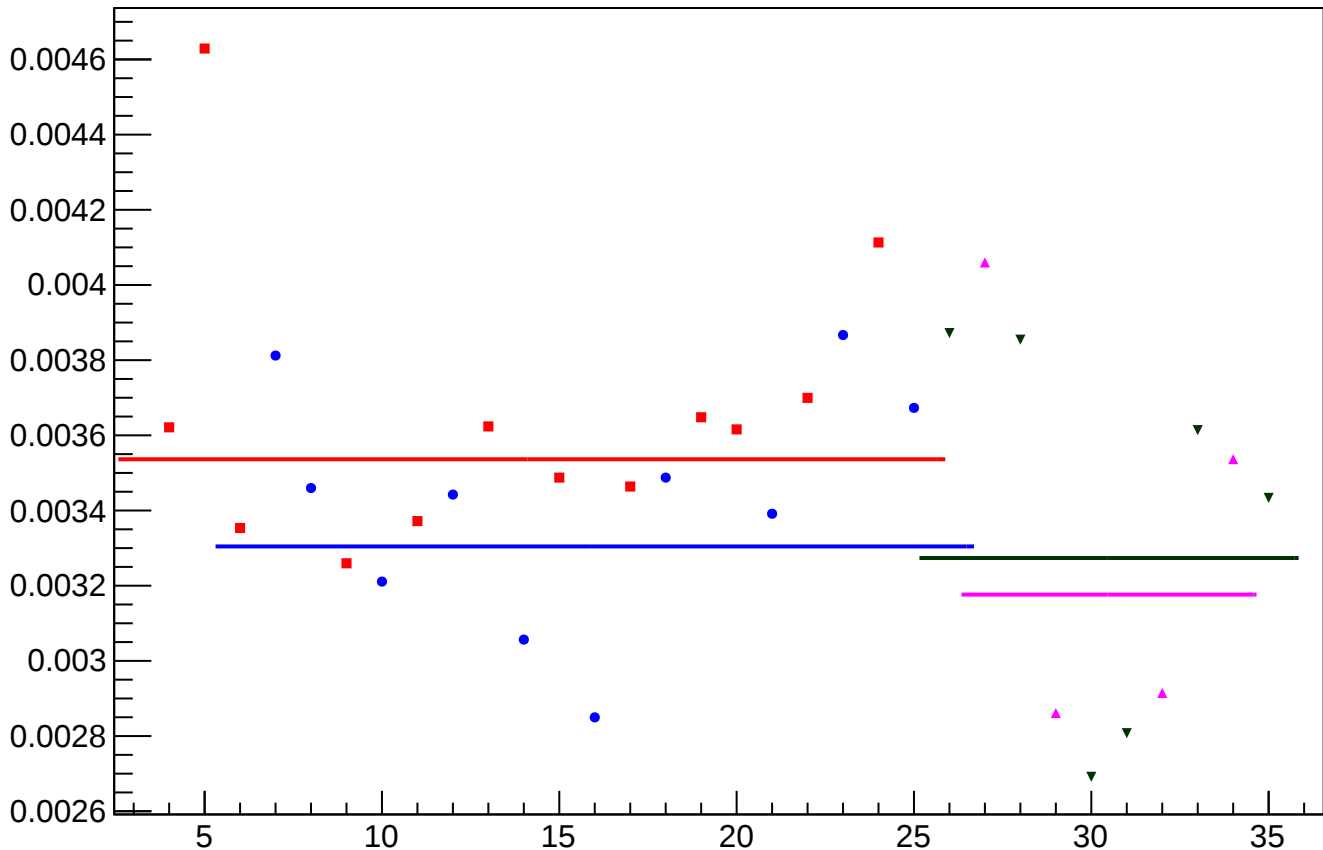
0.074 $\pm$ 0.000 χ^2/NDF : 2877414544.6/15

Right Out: 0.047 $\pm$ 0.000 χ^2/NDF : 1076949152.4/11

0.086 $\pm$ 0.000 χ^2/NDF : 3325588310.5/15

Left In: 0.149 $\pm$ 0.000 χ^2/NDF : 391922248.8/3

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

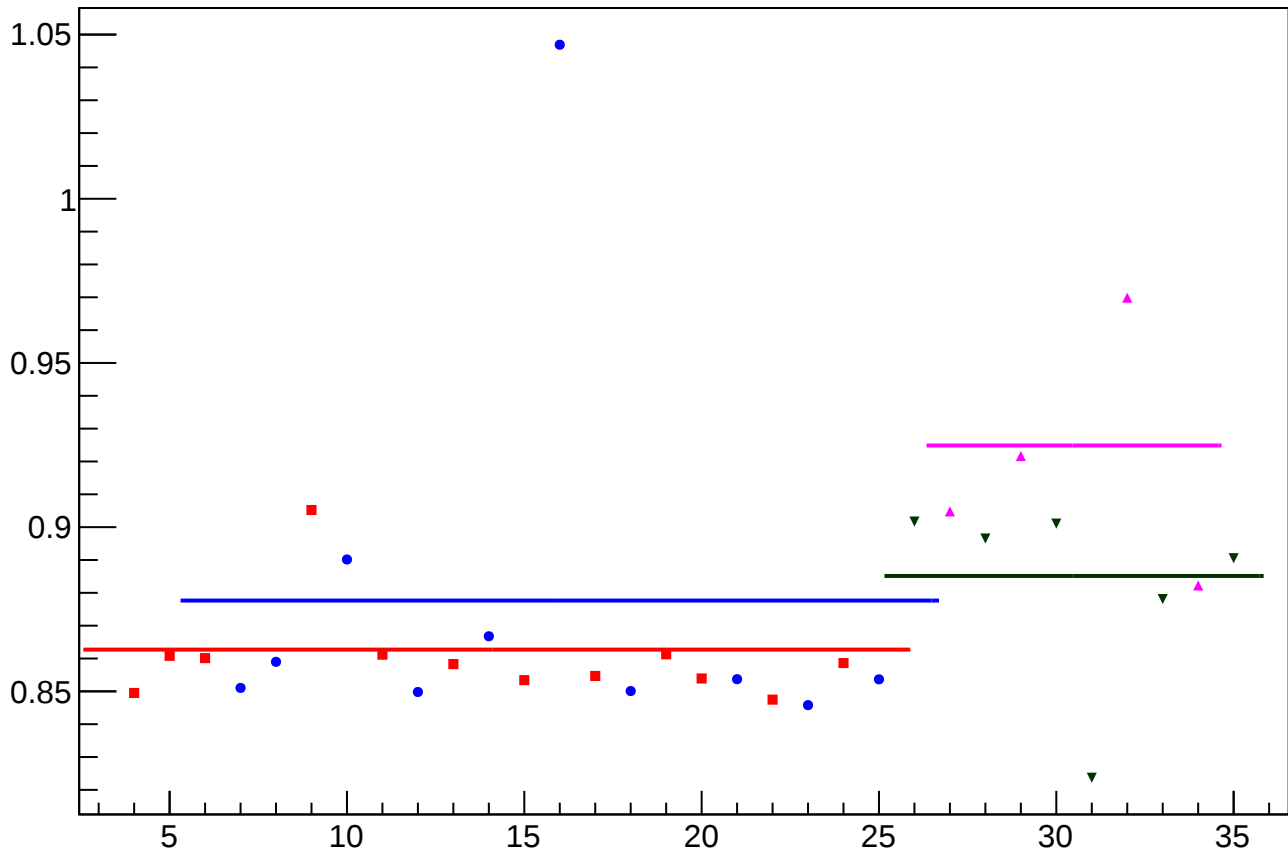
0.003+/-0.000 χ^2/NDF : 219565.1/15

Right Out: 0.004+/-0.000 χ^2/NDF : 54073.0/11

0.003+/-0.000 χ^2/NDF : 222691.8/15

Left In: 0.003+/-0.000 χ^2/NDF :121973.6/3

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

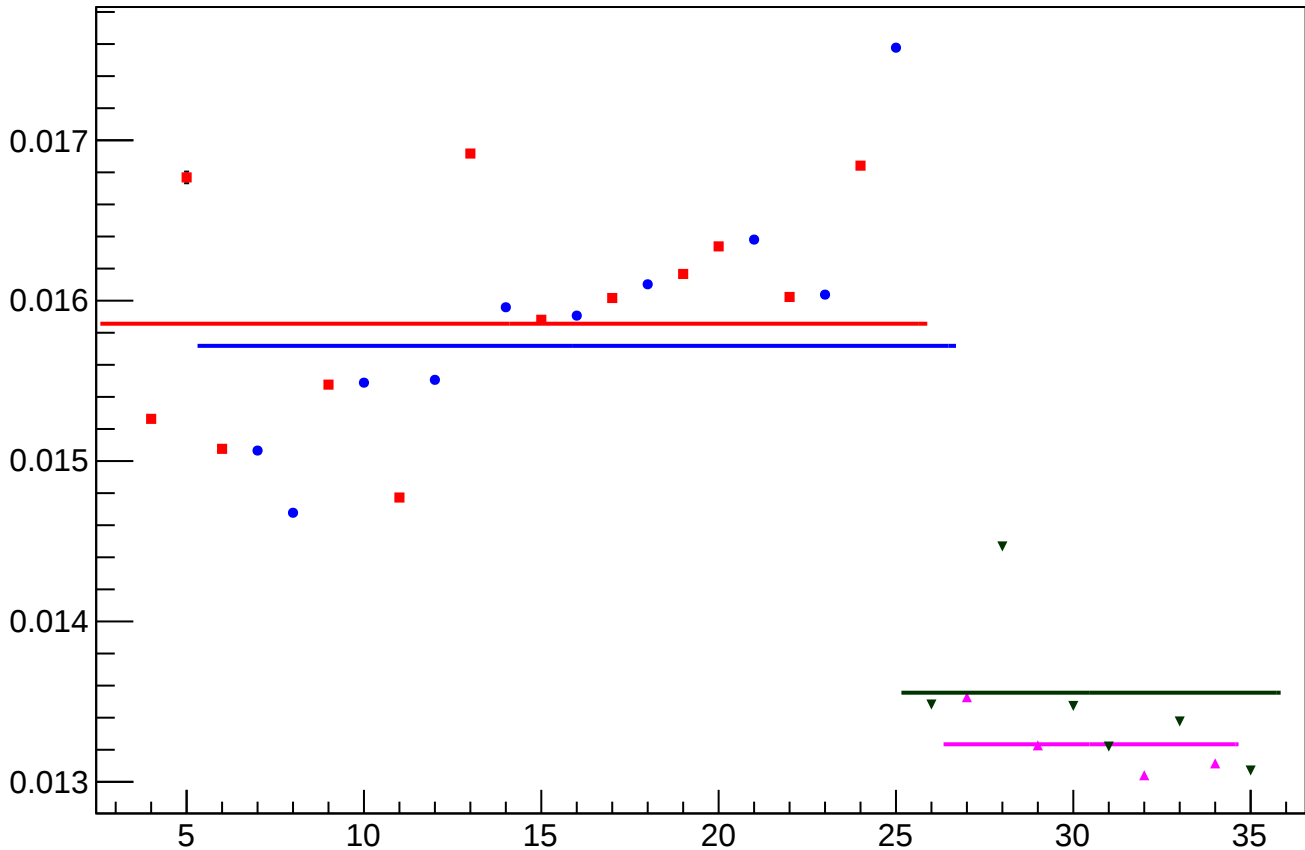
Right Out: 0.863+/-0.000 χ^2/NDF : 6919011.1/11

Left In: 0.925+/-0.000 χ^2/NDF :17634960.7/3

0.881+/-0.000 χ^2/NDF : 89137051.2/15

0.889+/-0.000 χ^2/NDF : 63904882.4/15

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

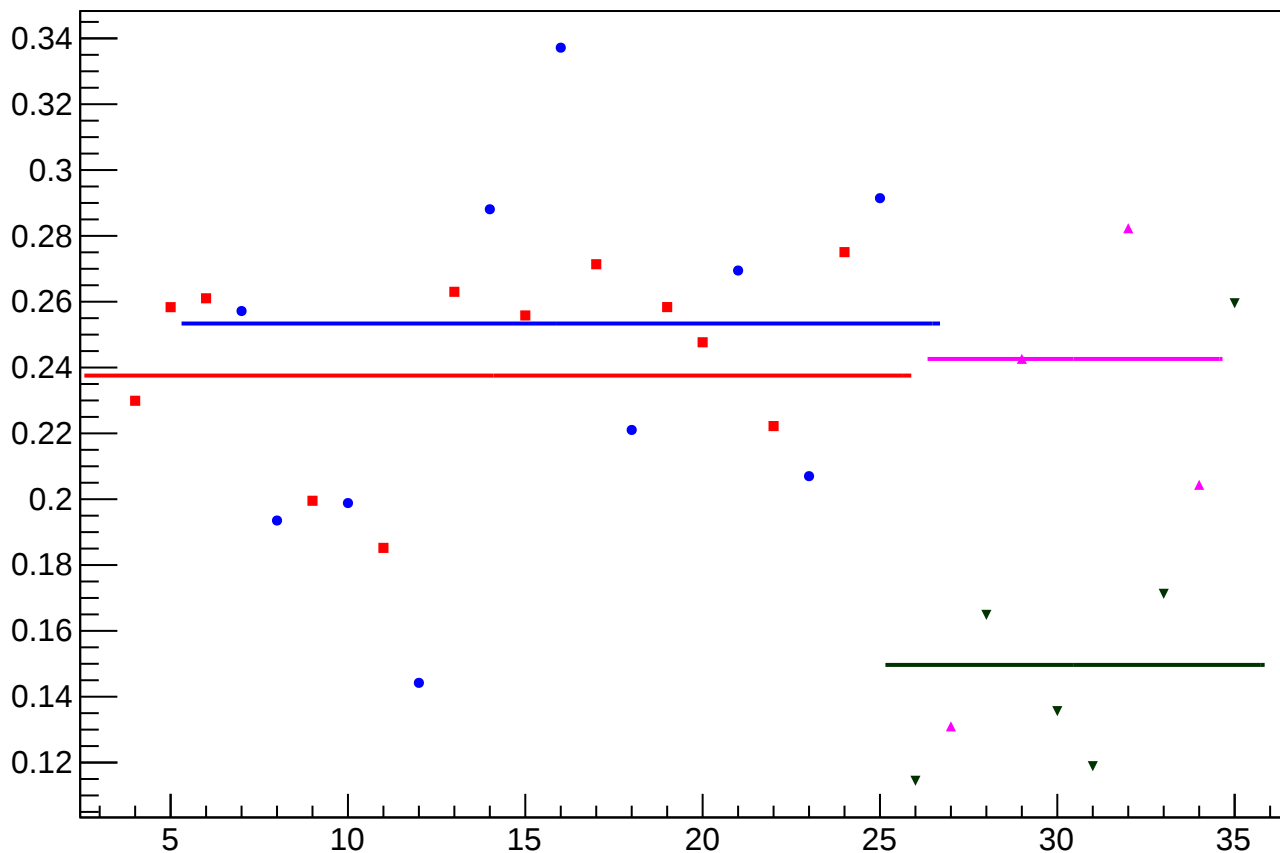
0.015+/-0.000 χ^2/NDF : 123496.3/15

Right Out: 0.016+/-0.000 χ^2/NDF : 24366.1/11

0.015+/-0.000 χ^2/NDF : 165682.2/15

Left In: 0.013+/-0.000 χ^2/NDF : 1270.4/3

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

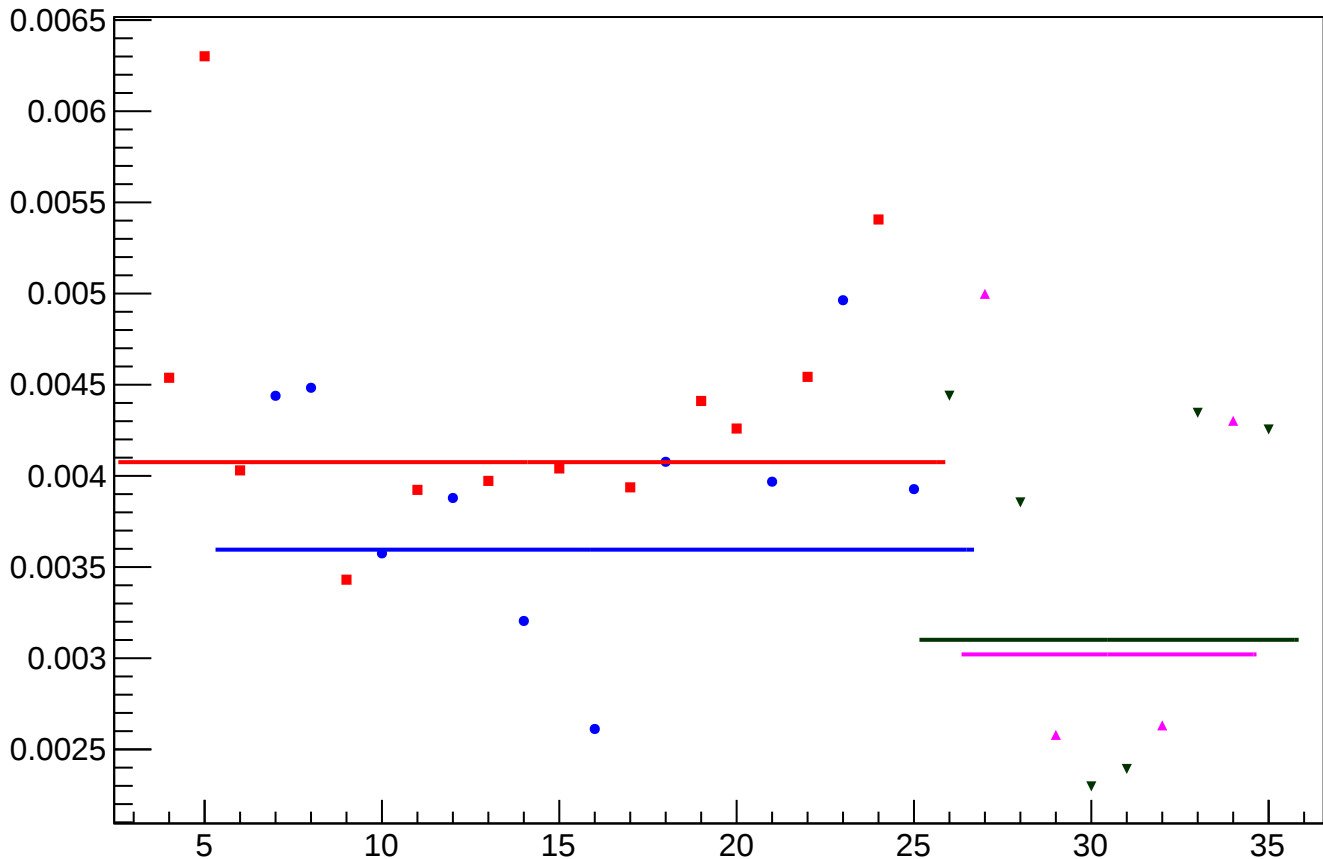
Right Out: 0.238+/-0.000 χ^2/NDF : 338609573.2/11

Left In: 0.243+/-0.000 χ^2/NDF : 620837941.9/3

0.214+/-0.000 χ^2/NDF : 3912255089.8/15

0.240+/-0.000 χ^2/NDF : 963459274.6/15

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

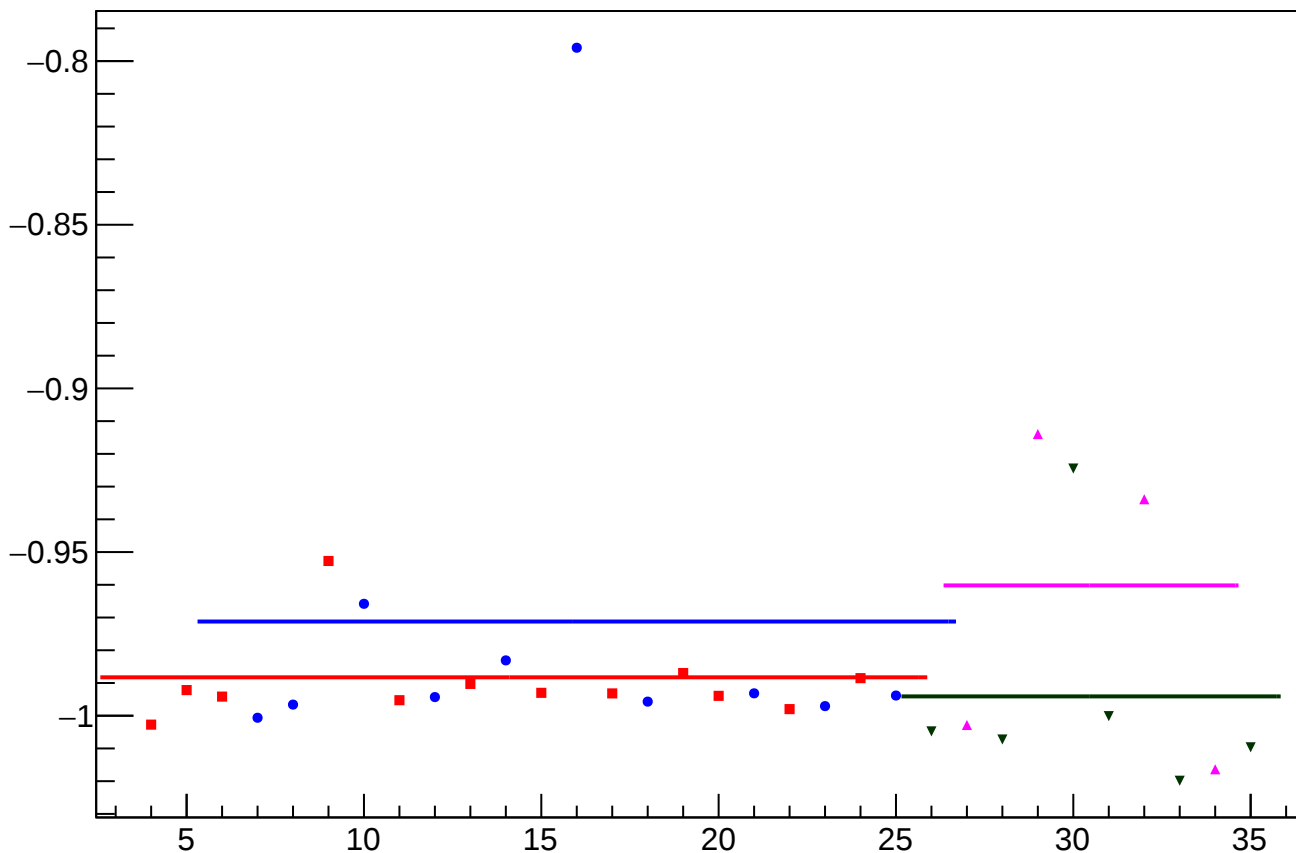
0.003+/-0.000 χ^2/NDF : 942039.4/15

Right Out: 0.004+/-0.000 χ^2/NDF : 164404.0/11

0.004+/-0.000 χ^2/NDF : 930677.4/15

Left In: 0.003+/-0.000 χ^2/NDF : 416685.0/3

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

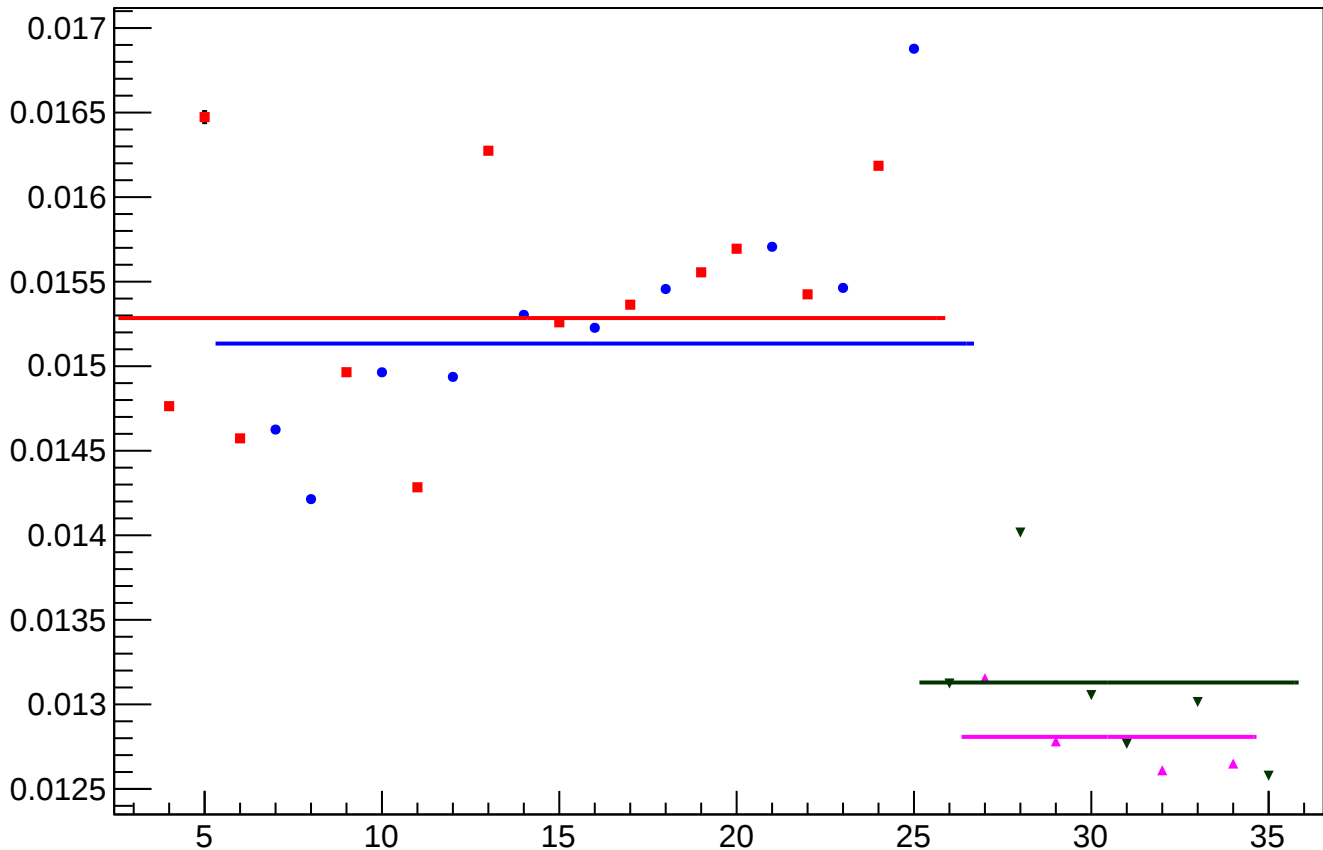
Right Out: -0.988 ± 0.000 χ^2/NDF : 5195068.8/11

Left In: -0.960 ± 0.000 χ^2/NDF : 33550272.9/3

-0.980 ± 0.000 χ^2/NDF : 114745026.4/15

-0.977 ± 0.000 χ^2/NDF : 47325163.1/15

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

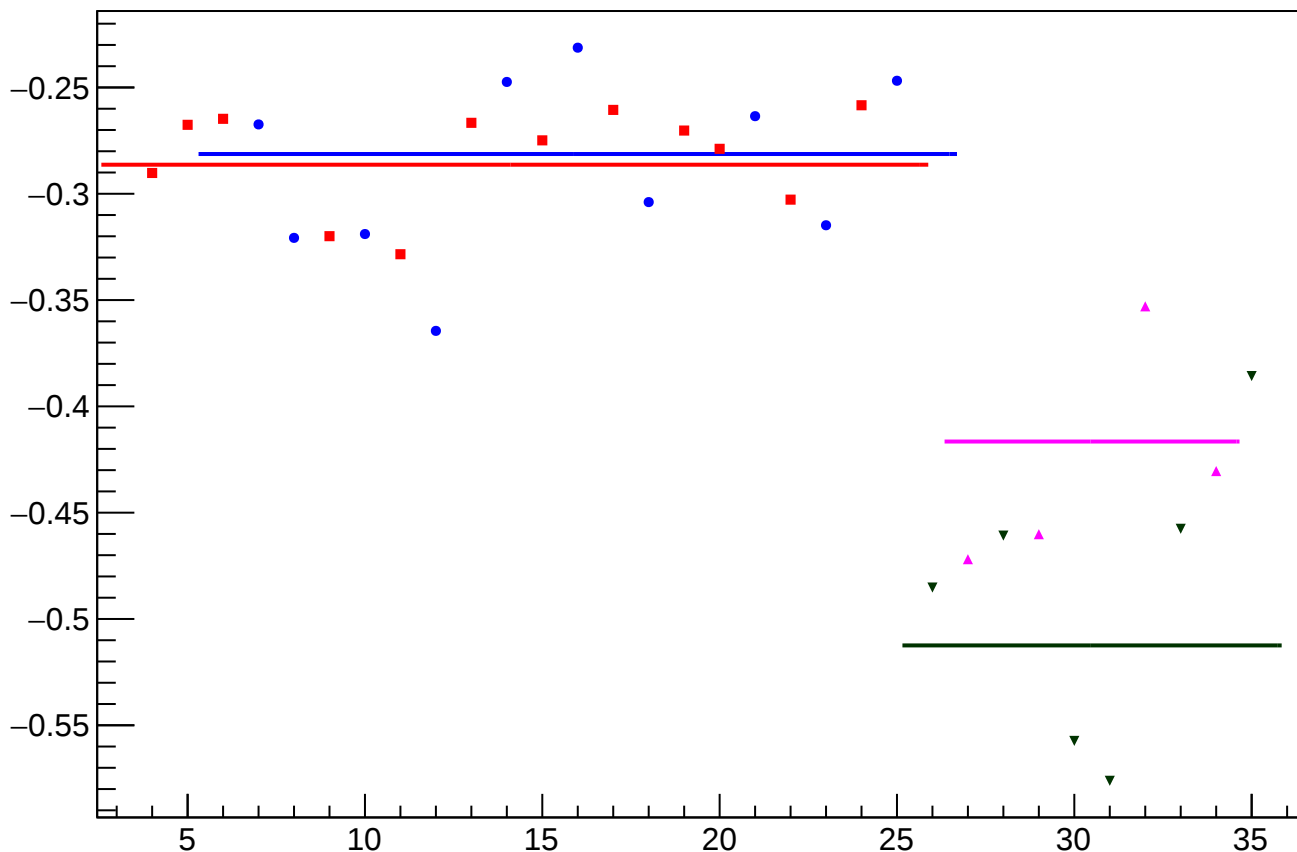
0.014+/-0.000 χ^2/NDF : 113098.5/15

Right Out: 0.015+/-0.000 χ^2/NDF : 22407.0/11

0.014+/-0.000 χ^2/NDF : 157755.9/15

Left In: 0.013+/-0.000 χ^2/NDF : 1775.3/3

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

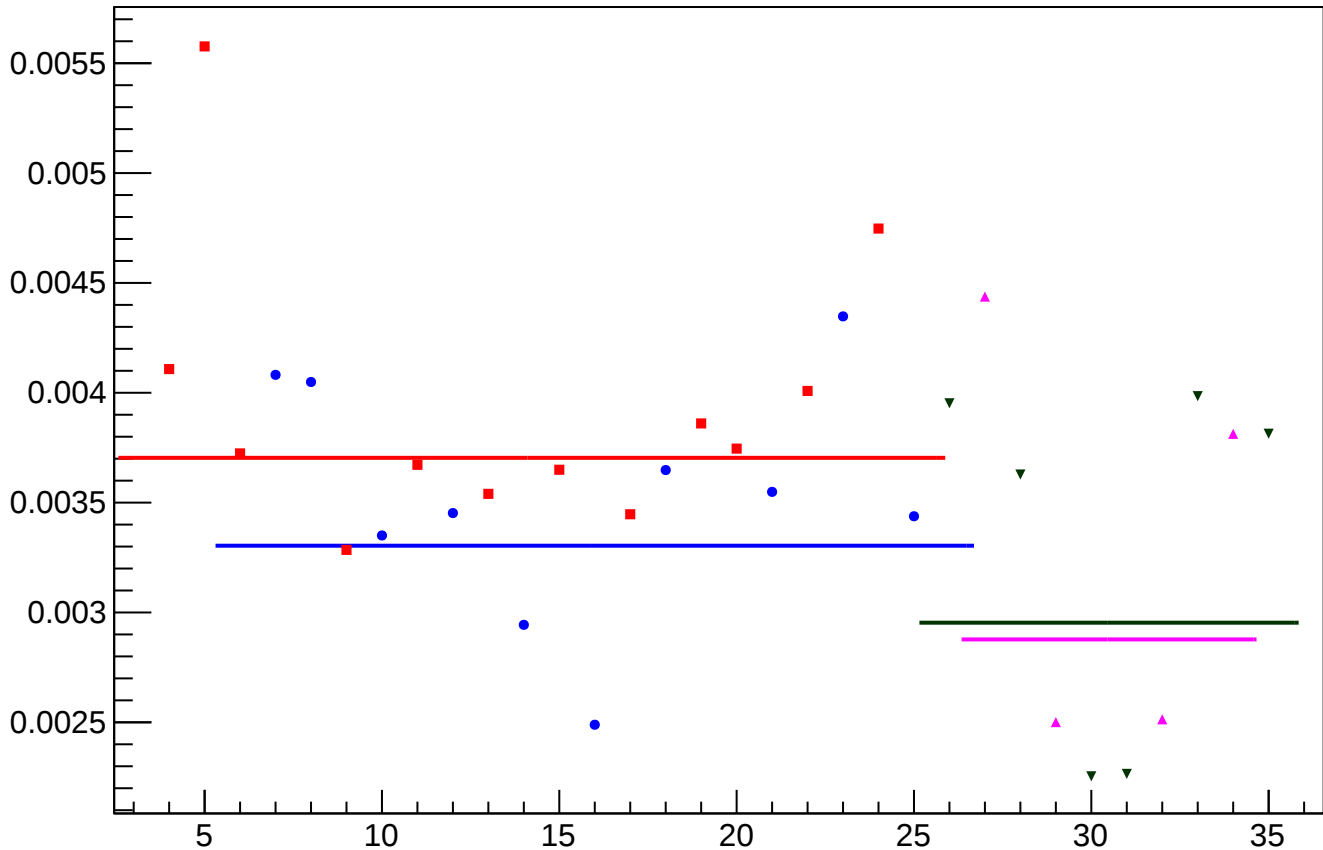
Right Out: -0.286+/-0.000 χ^2/NDF : 270487970.3/11

Left In: -0.417+/-0.000 χ^2/NDF : 891997993.1/3

-0.365+/-0.000 χ^2/NDF : 12818253400.5/15

-0.343+/-0.000 χ^2/NDF : 4291042888.5/15

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 : 325857.6/3

0.003+/-0.000 χ^2/NDF : 736939.5/15

0.003+/-0.000 χ^2/NDF : 697238.5/15