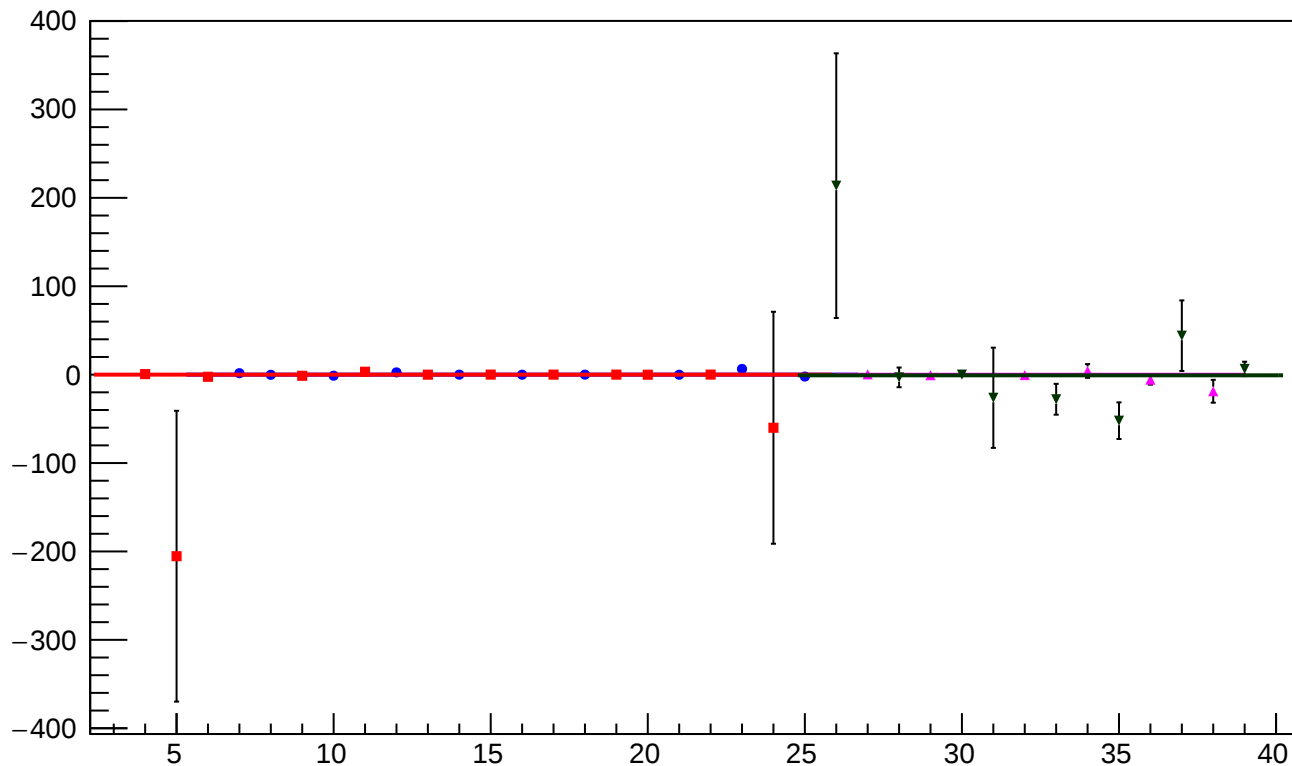


diff_cav4bX_mean vs slug



Right In: -0.014+/-0.014

χ^2 /NDF: 18.0/9

Left Out: -0.749+/-2.661

χ^2 /NDF:13.0/7

Right Out: 0.017+/-0.016

χ^2 /NDF: 19.3/11

Left In: -0.117+/-0.170

χ^2 /NDF:11.4/5

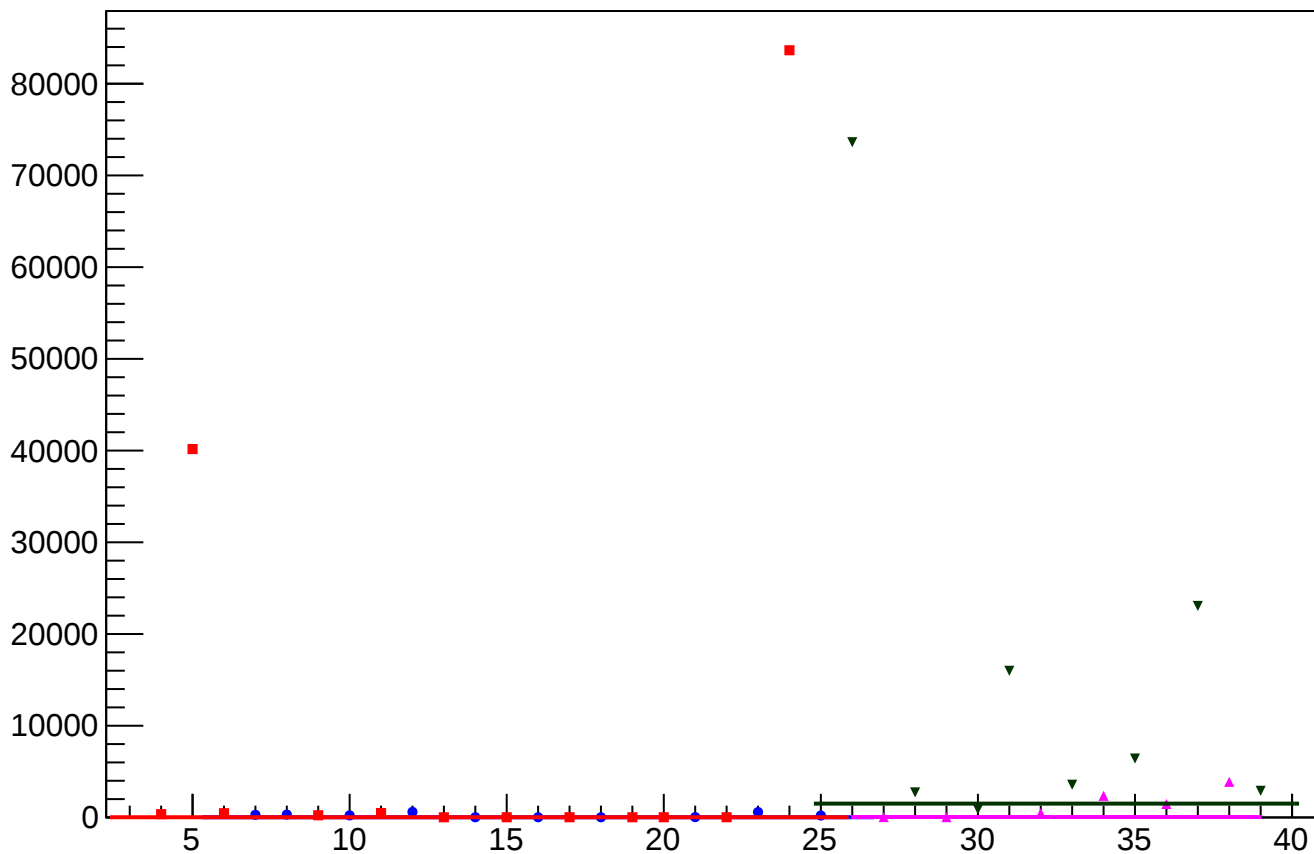
-0.014+/-0.014

χ^2 /NDF: 31.0/17

0.016+/-0.016

χ^2 /NDF: 31.3/17

diff_cav4bX_rms vs slug



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

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

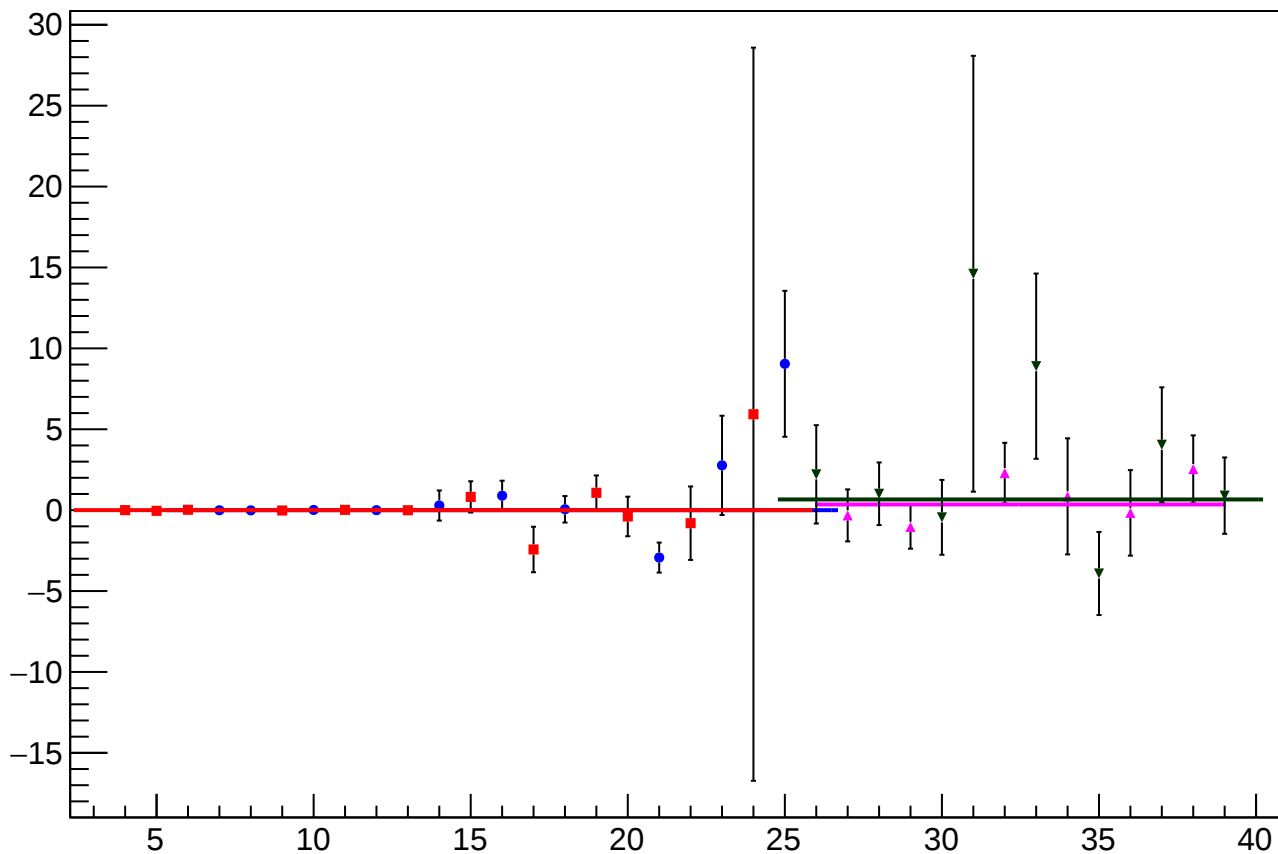
Right Out: 22.575+/-0.011 χ^2/NDF : 1409994.7/11

Left In: 48.984+/-0.120 χ^2/NDF : 720620.8/5

22.442+/-0.010 χ^2/NDF : 2884637.3/17

22.812+/-0.011 χ^2/NDF : 2178625.5/17

diff_cav4bY_mean vs slug



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

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

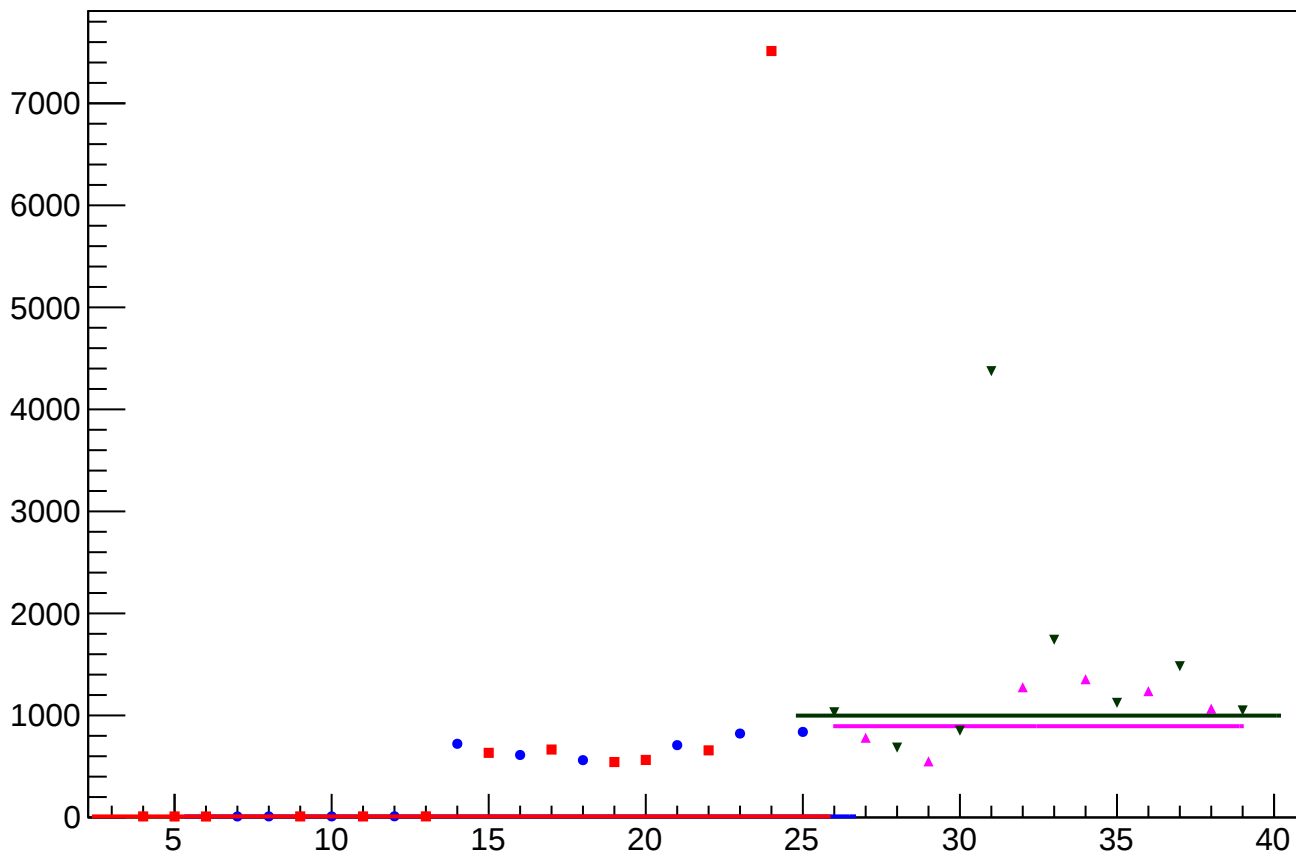
Right Out: 0.002±/0.005 χ^2/NDF : 17.0/11

Left In: 0.352±/0.773 χ^2/NDF : 3.5/5

-0.001±/0.006 χ^2/NDF : 26.4/17

0.002±/0.005 χ^2/NDF : 20.6/17

diff_cav4bY_rms vs slug



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

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

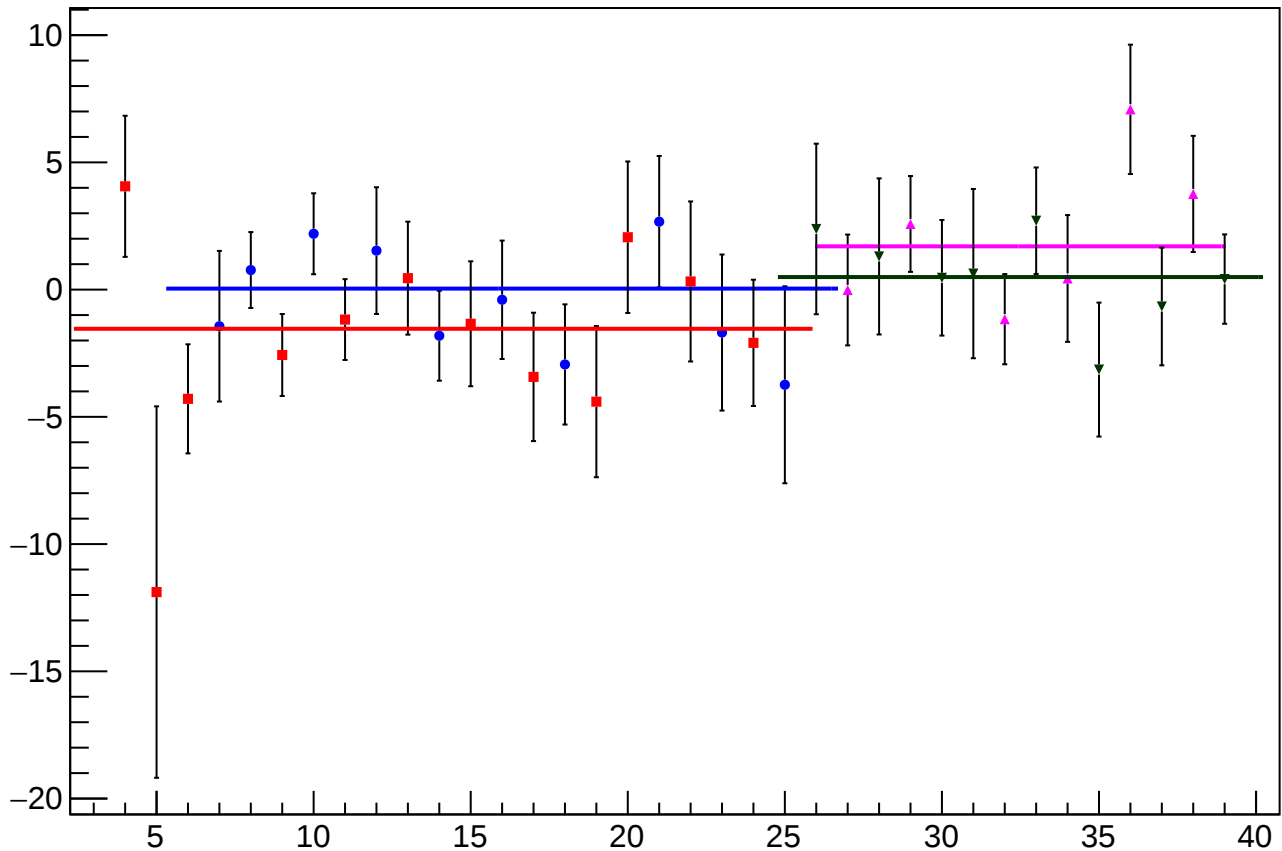
Right Out: 10.074+/-0.004 χ^2/NDF : 2563210.4/11

Left In: 894.532+/-0.546 χ^2/NDF : 304841.8/5

10.532+/-0.005 χ^2/NDF : 6509588.8/17

10.118+/-0.004 χ^2/NDF : 5489367.3/17

diff_cav4cX_mean vs slug



Right In: 0.040 ± 0.686 $\chi^2/\text{NDF}: 7.7/9$

Left Out: 0.493 ± 0.856 $\chi^2/\text{NDF}: 3.7/7$

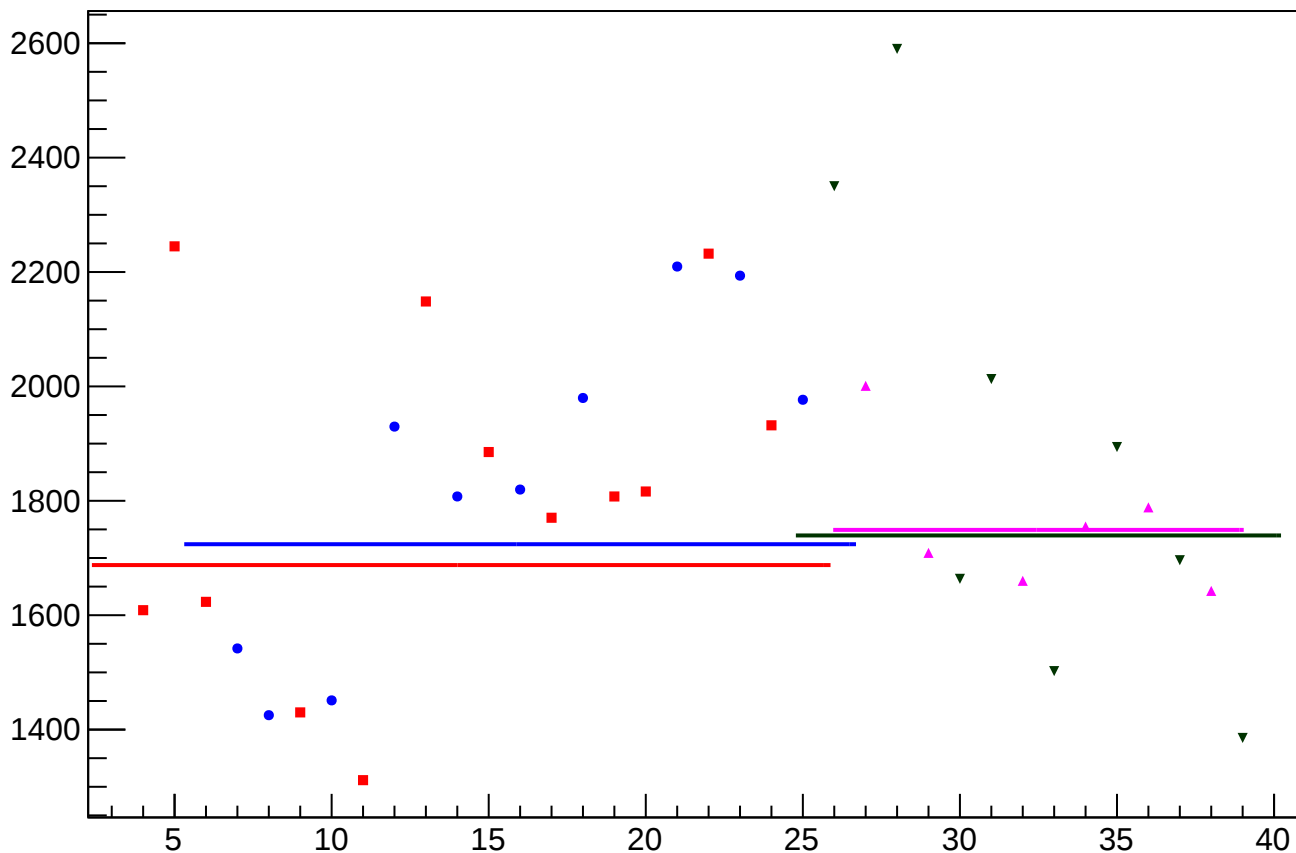
Right Out: -1.539 ± 0.680 $\chi^2/\text{NDF}: 12.4/11$

Left In: 1.700 ± 0.871 $\chi^2/\text{NDF}: 9.0/5$

0.217 ± 0.535 $\chi^2/\text{NDF}: 11.6/17$

-0.312 ± 0.536 $\chi^2/\text{NDF}: 30.0/17$

diff_cav4cX_rms vs slug



Right In: 1724.107+/-0.485 χ^2/NDF : 317724.0/9

Left Out: 1739.433+/-0.606 χ^2/NDF : 350610.7/7

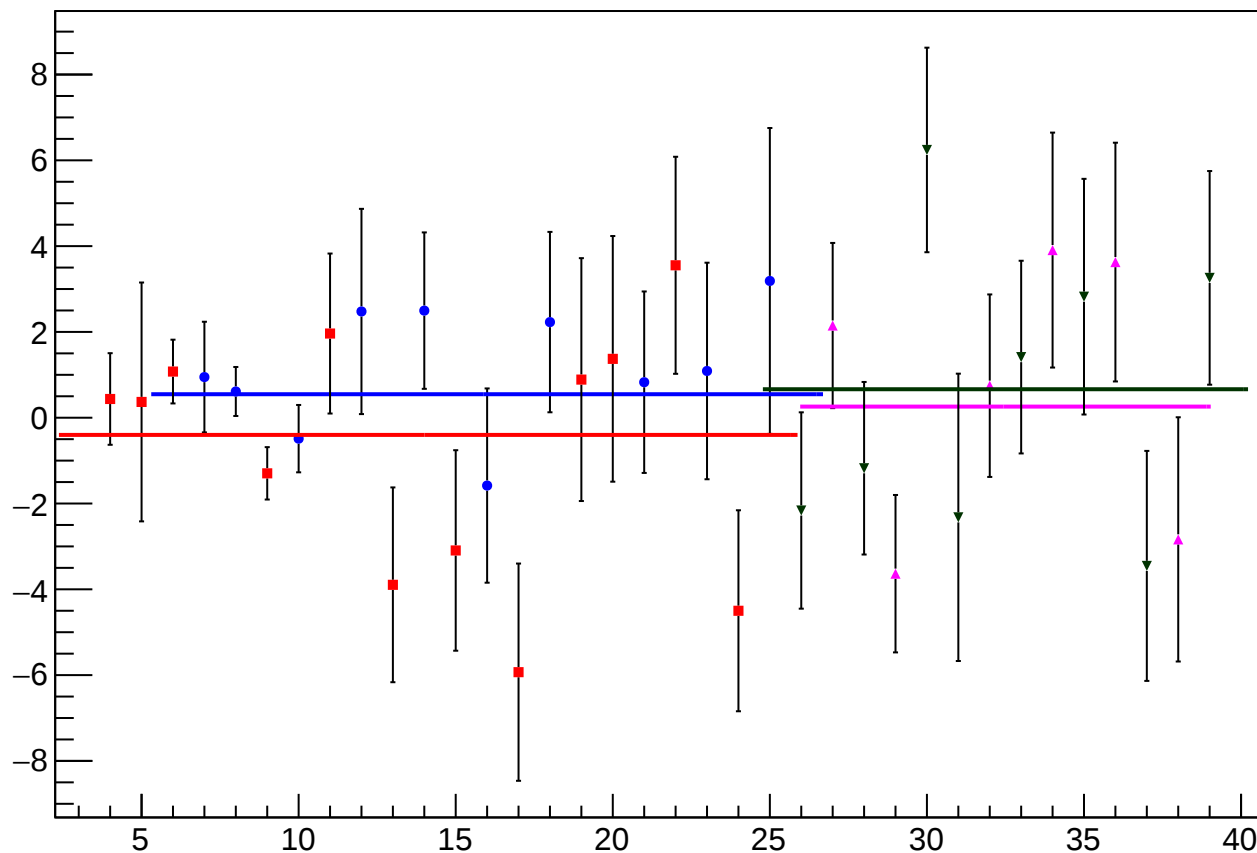
Right Out: 1687.646+/-0.481 χ^2/NDF : 366003.0/11

Left In: 1749.161+/-0.616 χ^2/NDF : 37576.0/5

1730.094+/-0.378 χ^2/NDF : 668725.1/17

1710.943+/-0.379 χ^2/NDF : 409781.5/17

diff_cav4cY_mean vs slug



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

Left Out: 0.664 ± 0.866 χ^2/NDF : 12.8/7

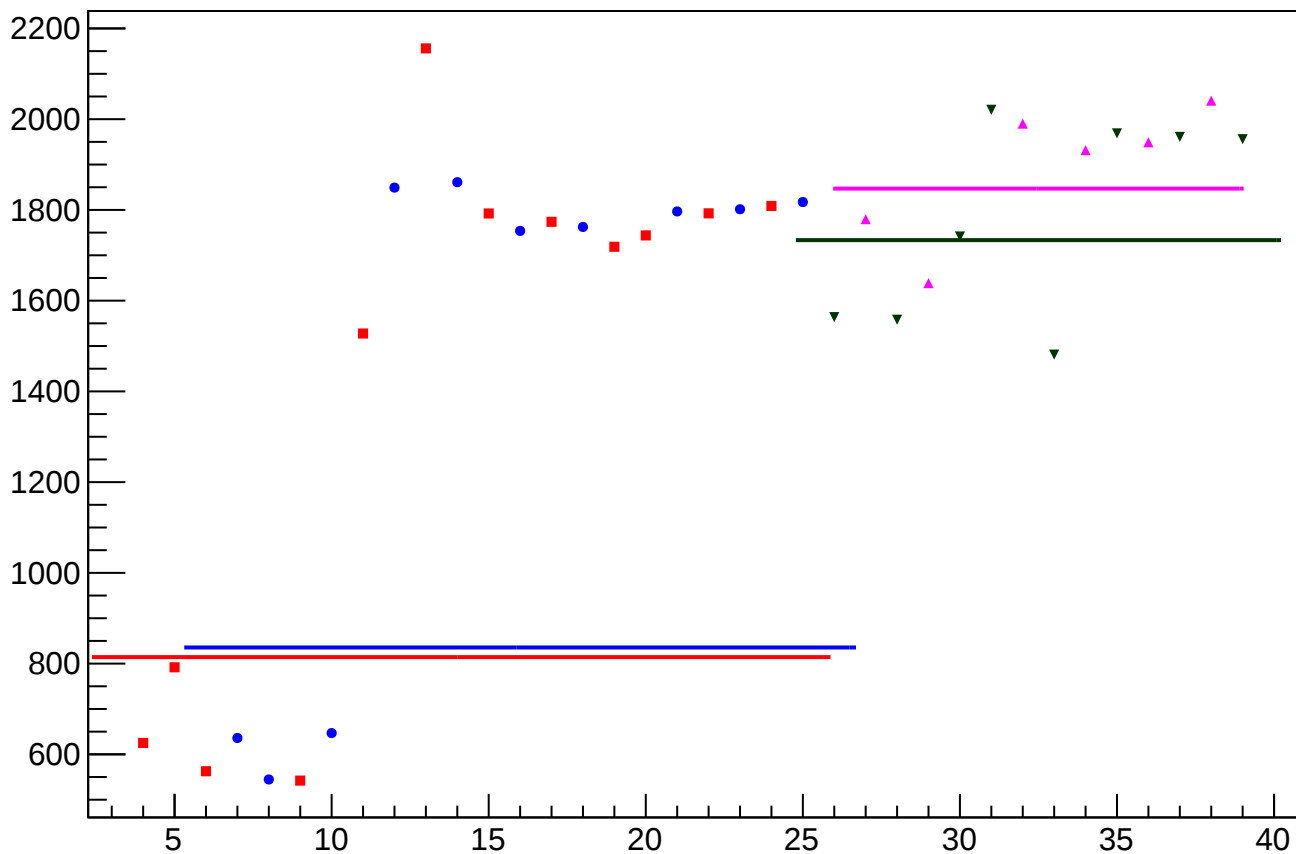
Right Out: -0.401 ± 0.381 χ^2/NDF : 23.0/11

Left In: 0.259 ± 0.923 χ^2/NDF : 9.9/5

0.567 ± 0.354 χ^2/NDF : 18.6/17

-0.305 ± 0.352 χ^2/NDF : 33.3/17

diff_cav4cY_rms vs slug



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

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

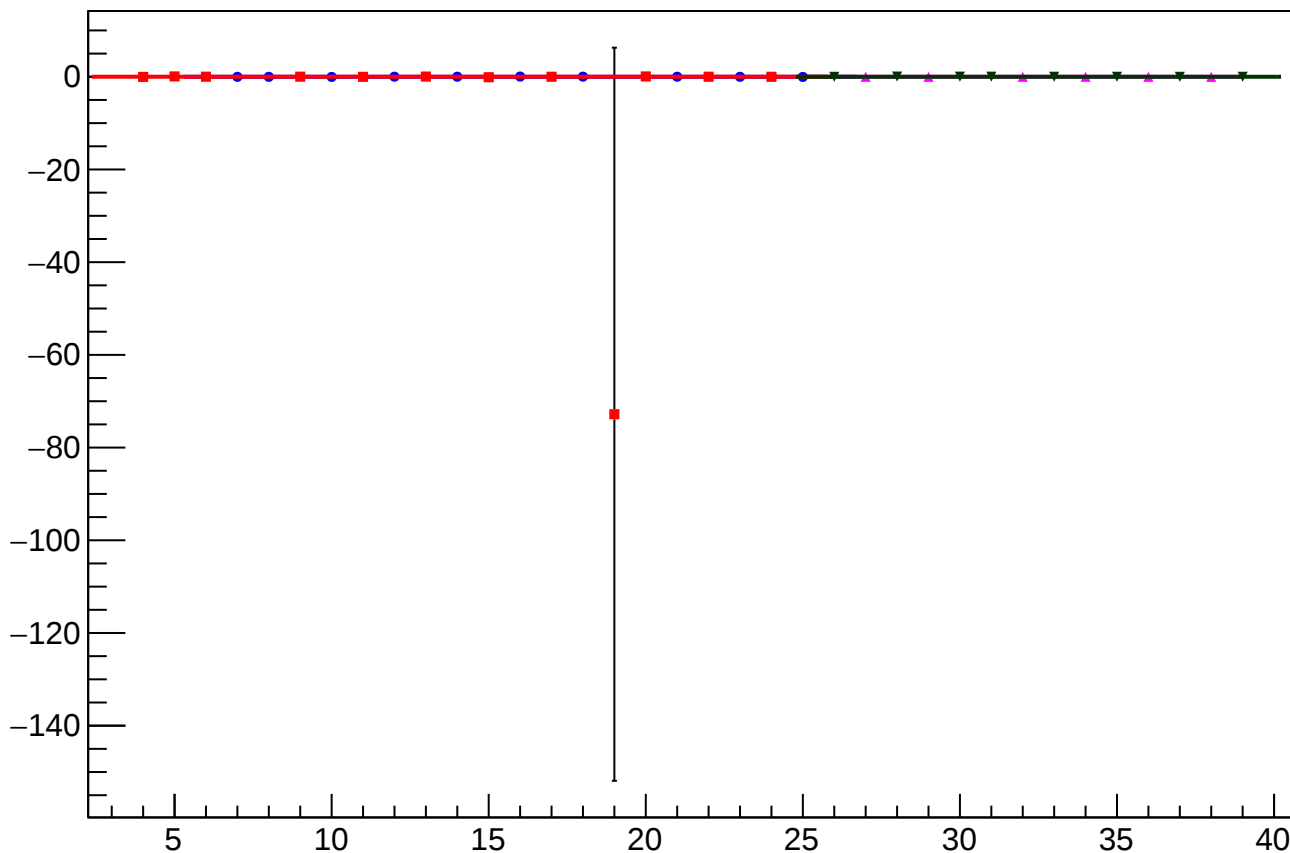
985.703+/-0.250 χ^2/NDF : 5152528.0/17

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

964.310+/-0.249 χ^2/NDF : 5583295.3/17

Left In: 1846.990+/-0.653 χ^2/NDF :51216.2/5

diff_cav4dX_mean vs slug



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

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

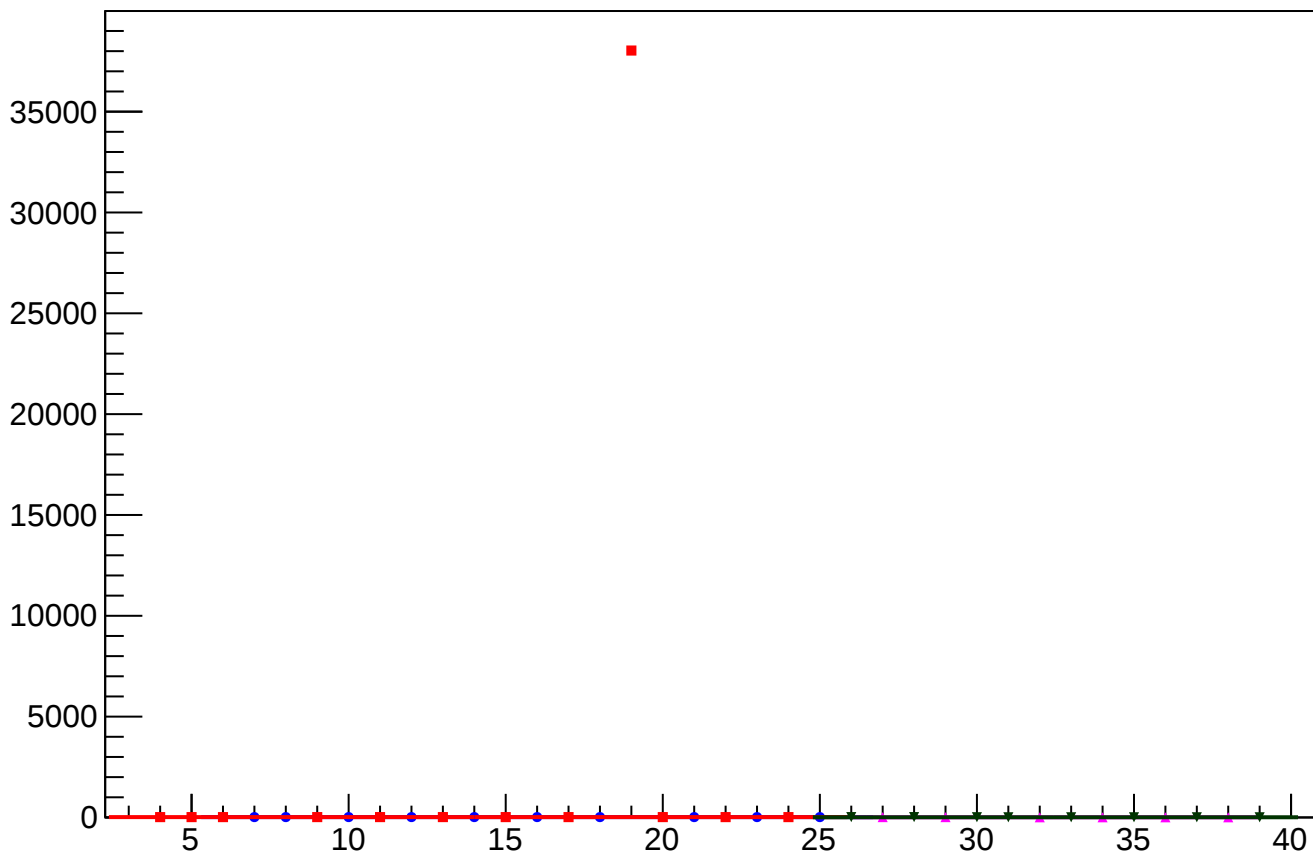
Right Out: 0.011 $\pm$ 0.008 χ^2 /NDF: 11.3/11

Left In: -0.002 $\pm$ 0.005 χ^2 /NDF: 0.9/5

-0.000 $\pm$ 0.004 χ^2 /NDF: 15.0/17

0.002 $\pm$ 0.004 χ^2 /NDF: 14.1/17

diff_cav4dX_rms vs slug



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

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

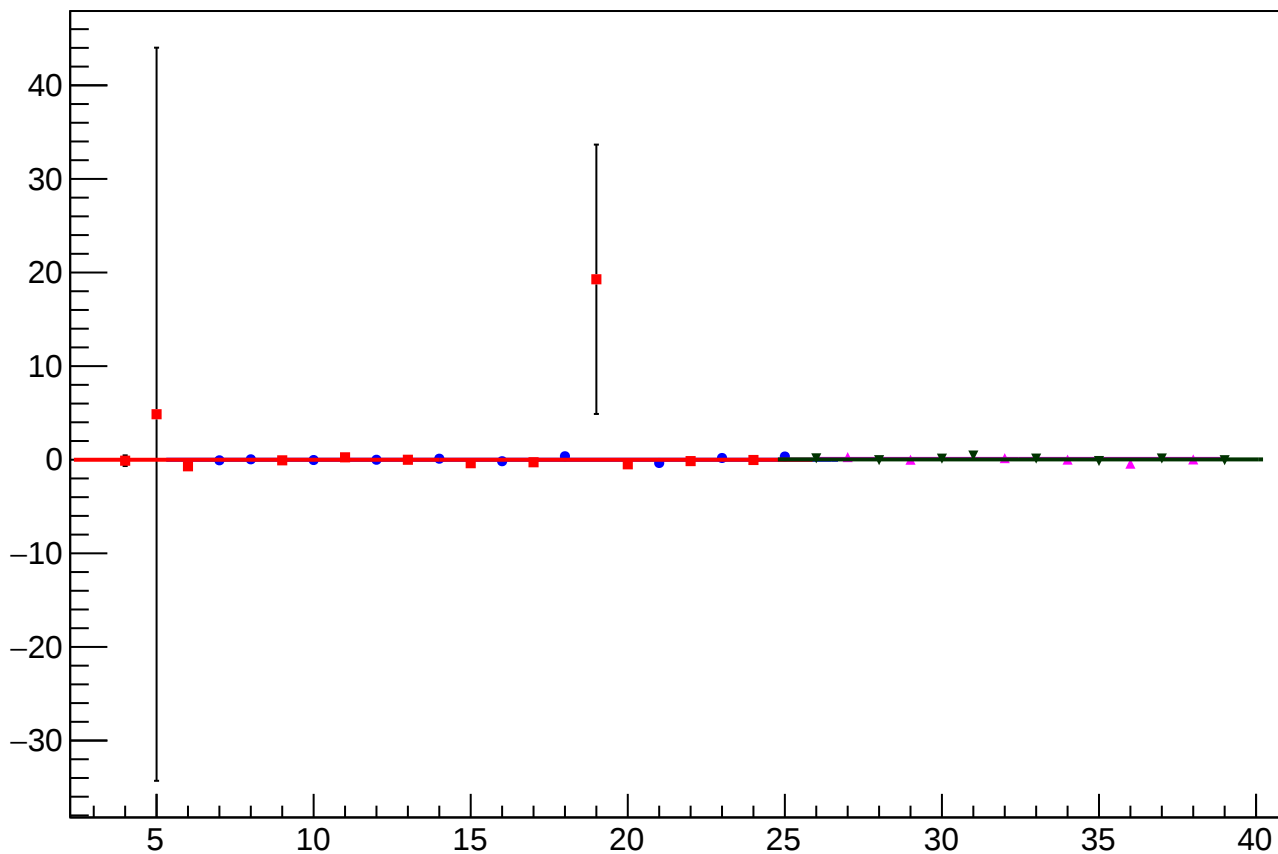
11.807 $\pm$ 0.003 χ^2 /NDF: 2021895.4/17

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

12.093 $\pm$ 0.003 χ^2 /NDF: 2503432.7/17

Left In: 9.829 $\pm$ 0.004 χ^2 /NDF: 708356.8/5

diff_cav4dY_mean vs slug



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

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

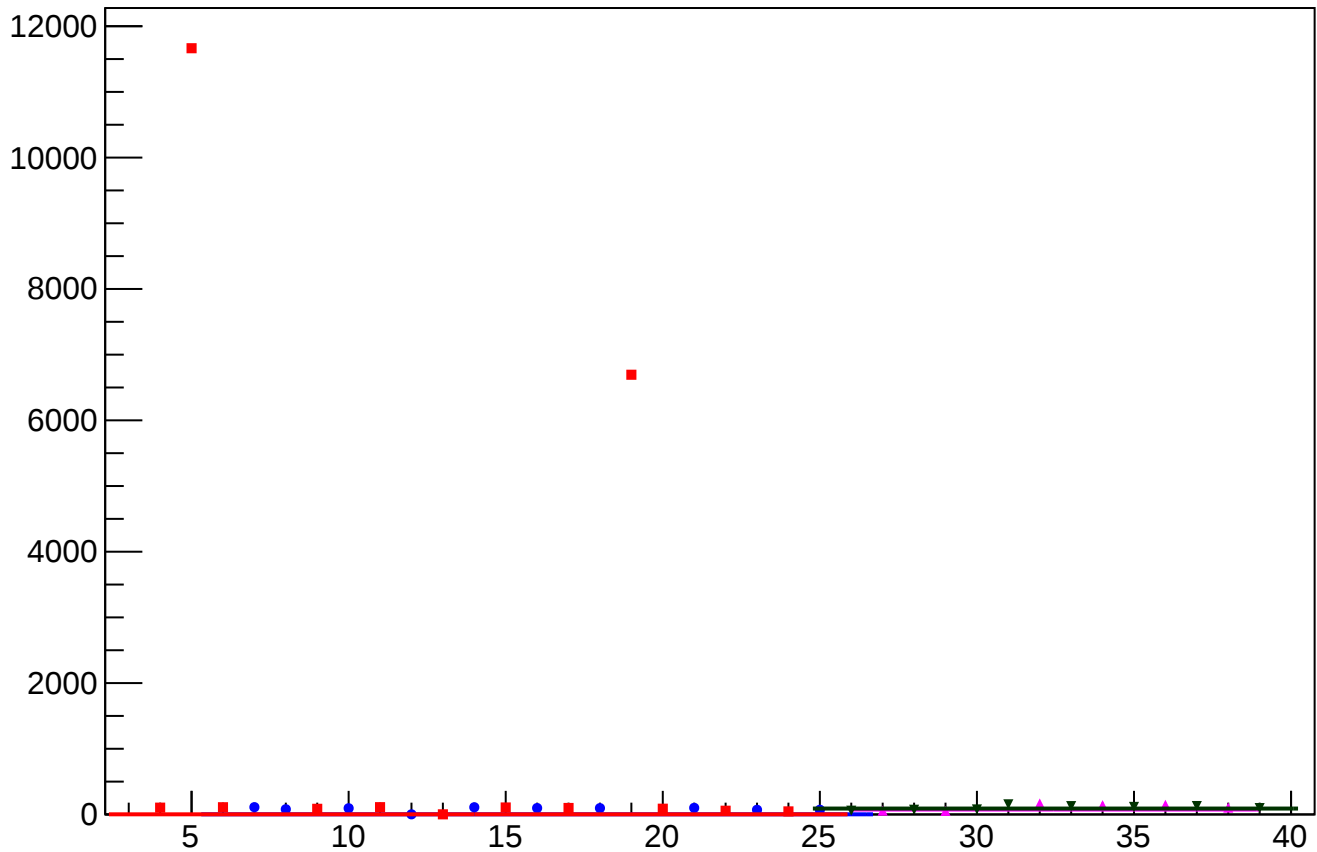
Right Out: -0.003 ± 0.003 χ^2/NDF : 12.3/11

Left In: 0.091 ± 0.059 χ^2/NDF : 7.3/5

-0.003 ± 0.003 χ^2/NDF : 19.2/17

-0.002 ± 0.003 χ^2/NDF : 22.2/17

diff_cav4dY_rms vs slug



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

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

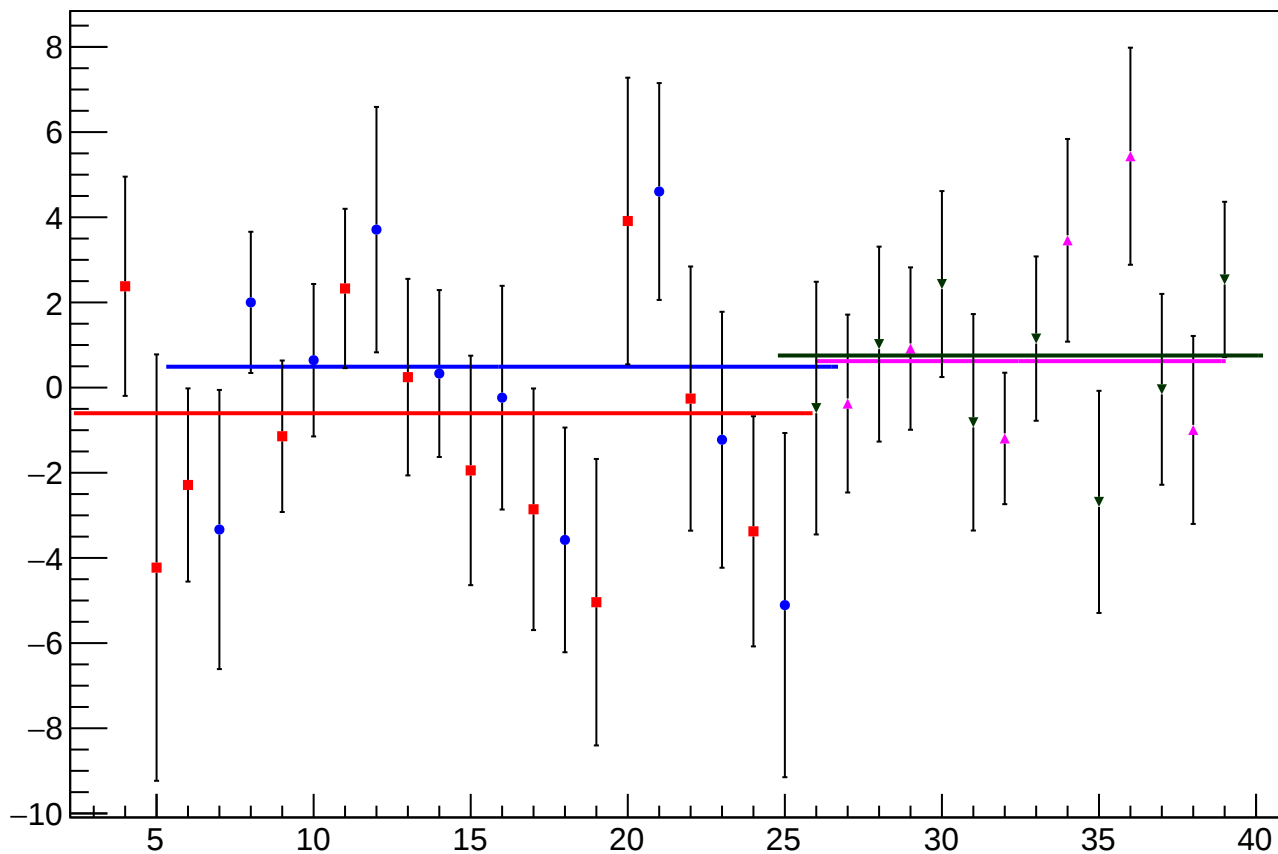
2.346+/-0.002 χ^2/NDF : 10096202.9/17

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

2.247+/-0.002 χ^2/NDF : 7950323.8/17

Left In: 74.188+/-0.041 χ^2/NDF : 706342.3/5

diff_bpm4aX_mean vs slug



Right In: 0.490 $\pm$ 0.753 χ^2 /NDF: 10.8/9

Left Out: 0.754 $\pm$ 0.794 χ^2 /NDF: 4.0/7

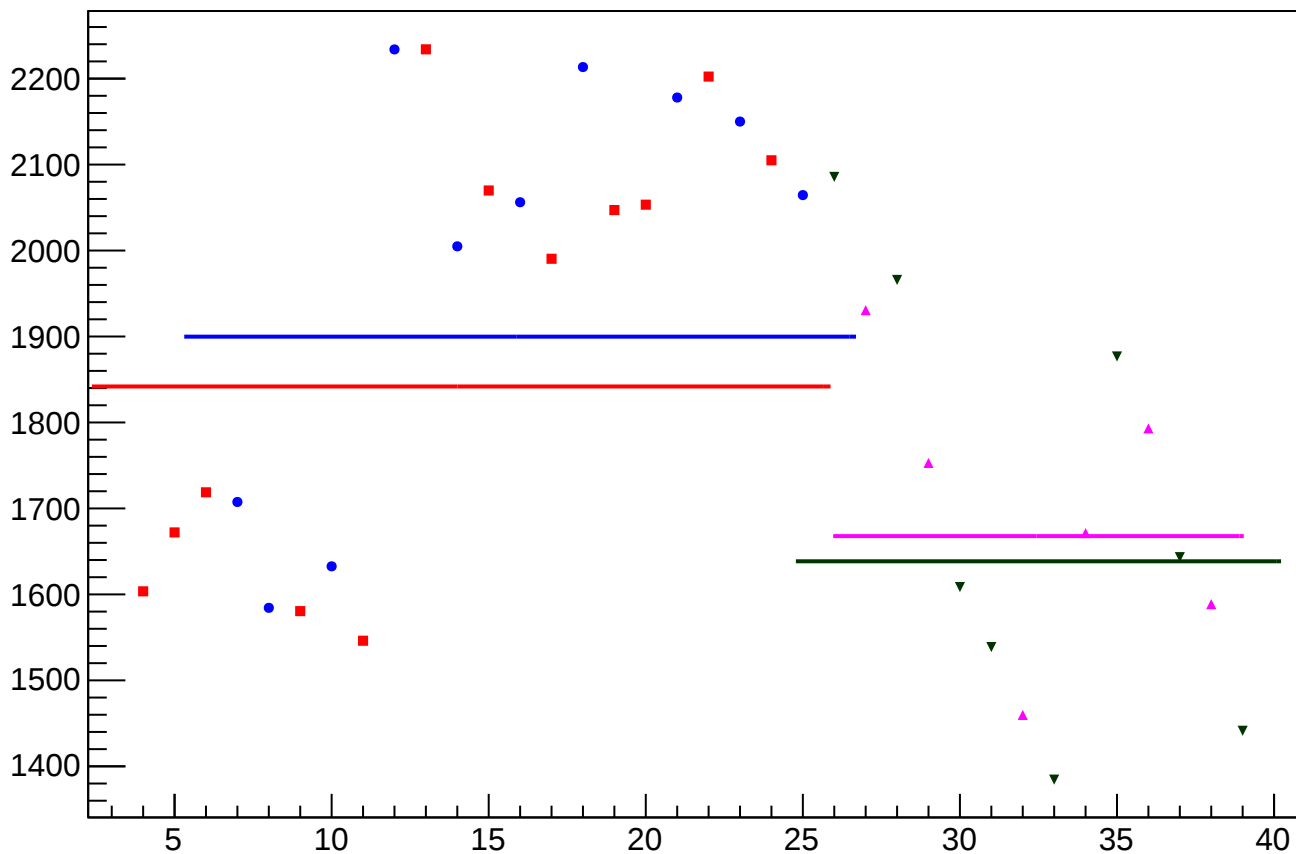
Right Out: -0.602 $\pm$ 0.734 χ^2 /NDF: 10.6/11

Left In: 0.621 $\pm$ 0.828 χ^2 /NDF: 7.2/5

0.615 $\pm$ 0.546 χ^2 /NDF: 14.8/17

-0.063 $\pm$ 0.549 χ^2 /NDF: 19.0/17

diff_bpm4aX_rms vs slug



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

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

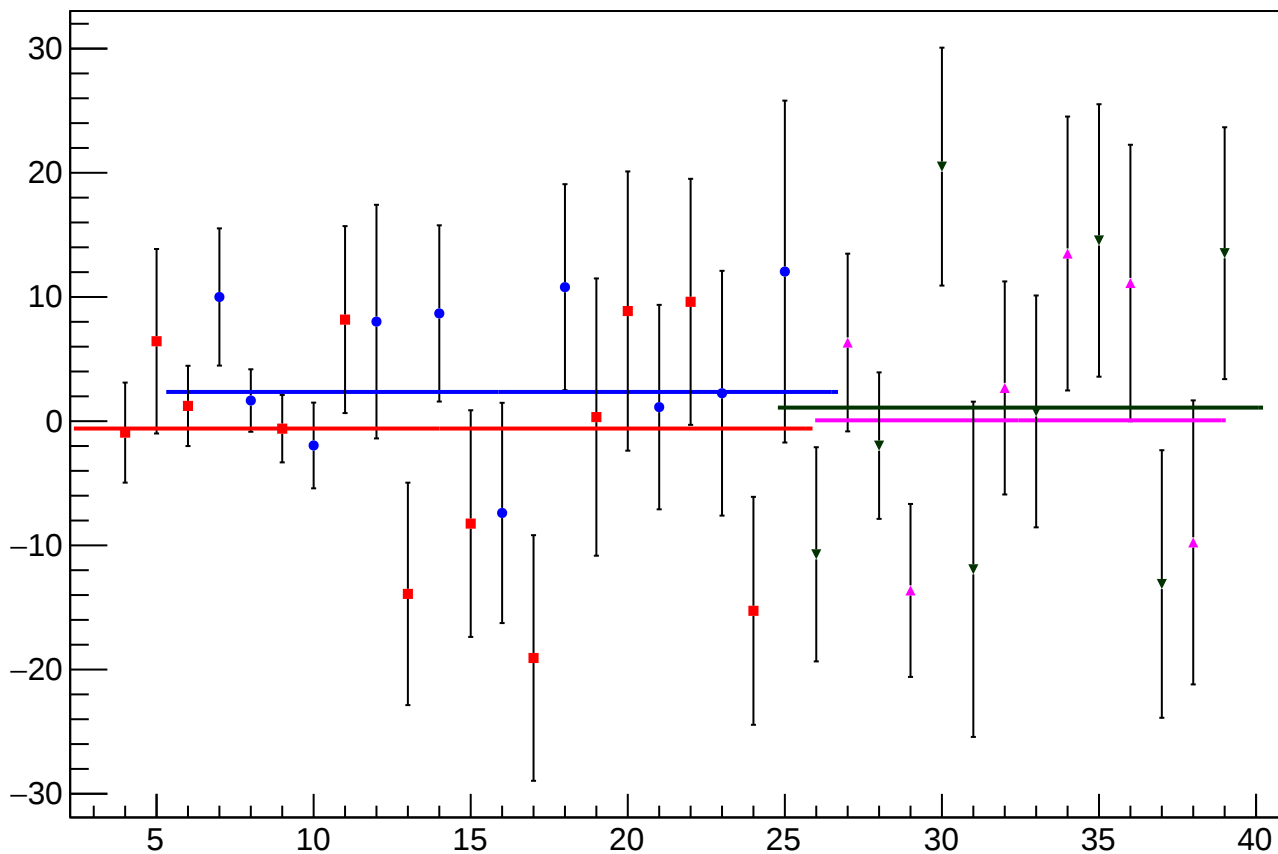
1776.188+/-0.386 χ^2/NDF : 511389.3/17

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

1765.196+/-0.388 χ^2/NDF : 386257.8/17

Left In: 1667.809+/-0.585 χ^2/NDF : 79403.2/5

diff_bpm4aY_mean vs slug



Right In: 2.354 ± 1.658 χ^2/NDF : 7.5/9

Left Out: 1.093 ± 3.215 χ^2/NDF : 11.9/7

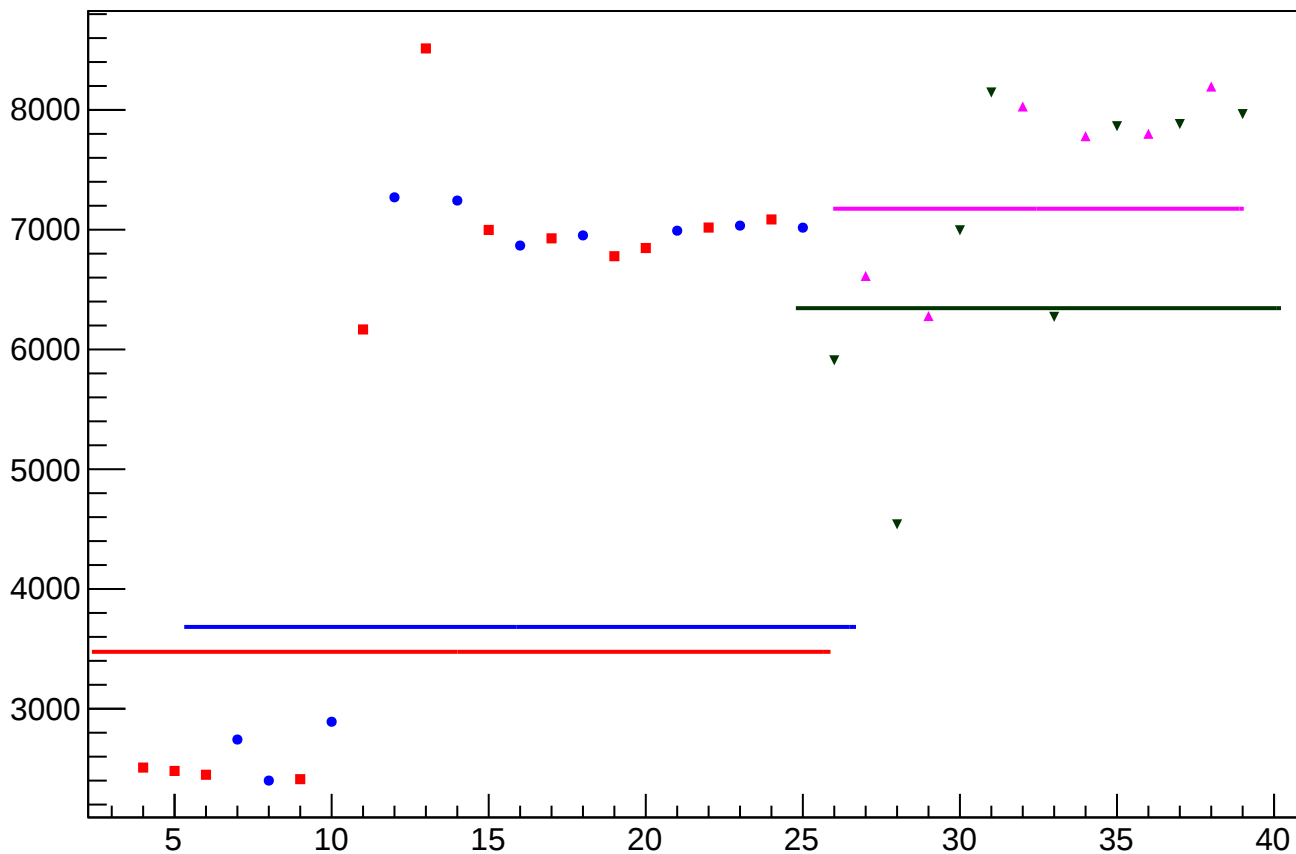
Right Out: -0.592 ± 1.578 χ^2/NDF : 13.3/11

Left In: 0.068 ± 3.588 χ^2/NDF : 7.9/5

2.089 ± 1.474 χ^2/NDF : 19.5/17

-0.485 ± 1.445 χ^2/NDF : 21.3/17

diff_bpm4aY_rms vs slug



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

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

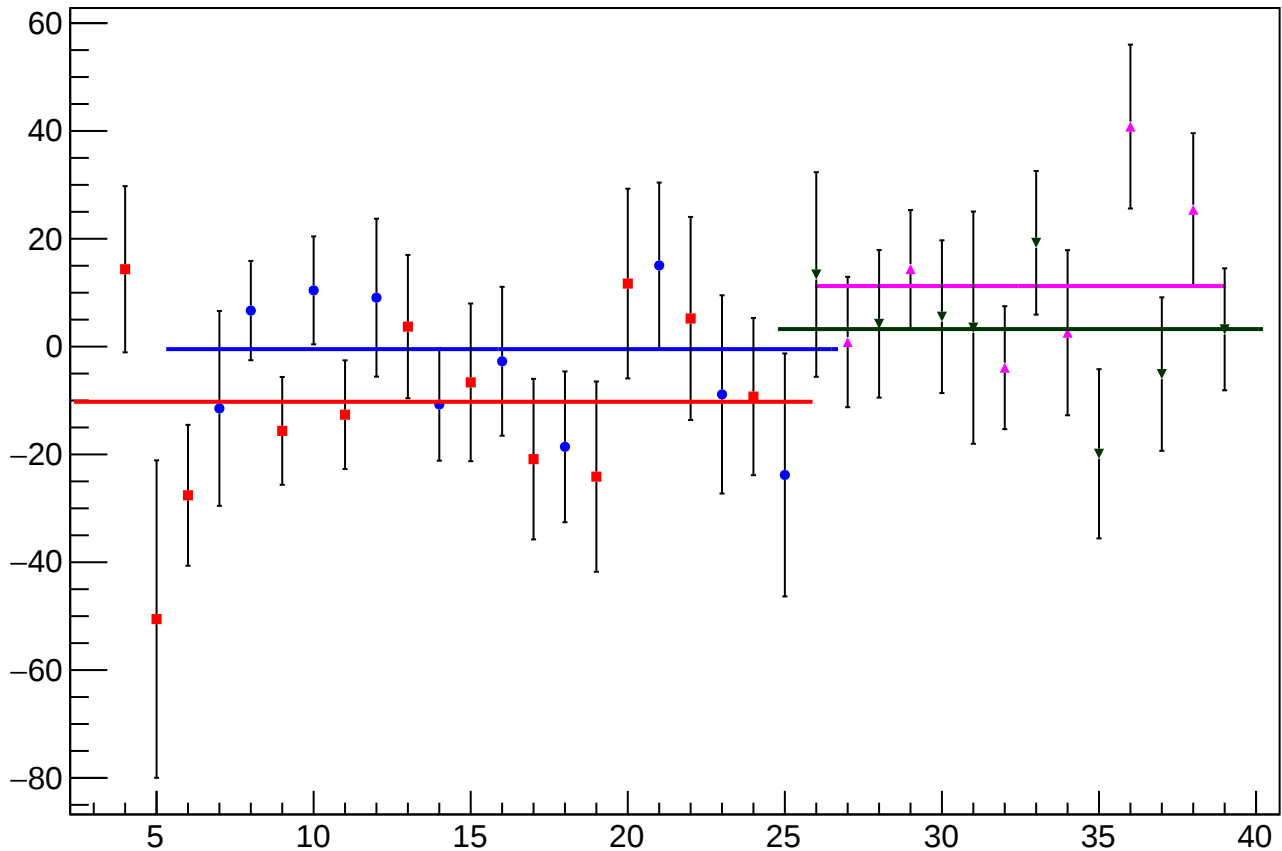
4242.502+/-1.042 χ^2/NDF : 4168525.8/17

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

4075.333+/-1.022 χ^2/NDF : 4885465.7/17

Left In: 7175.150+/-2.537 χ^2/NDF : 93505.1/5

diff_bpm4eX_mean vs slug



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

0.992 ± 3.229 χ^2/NDF : 12.2/17

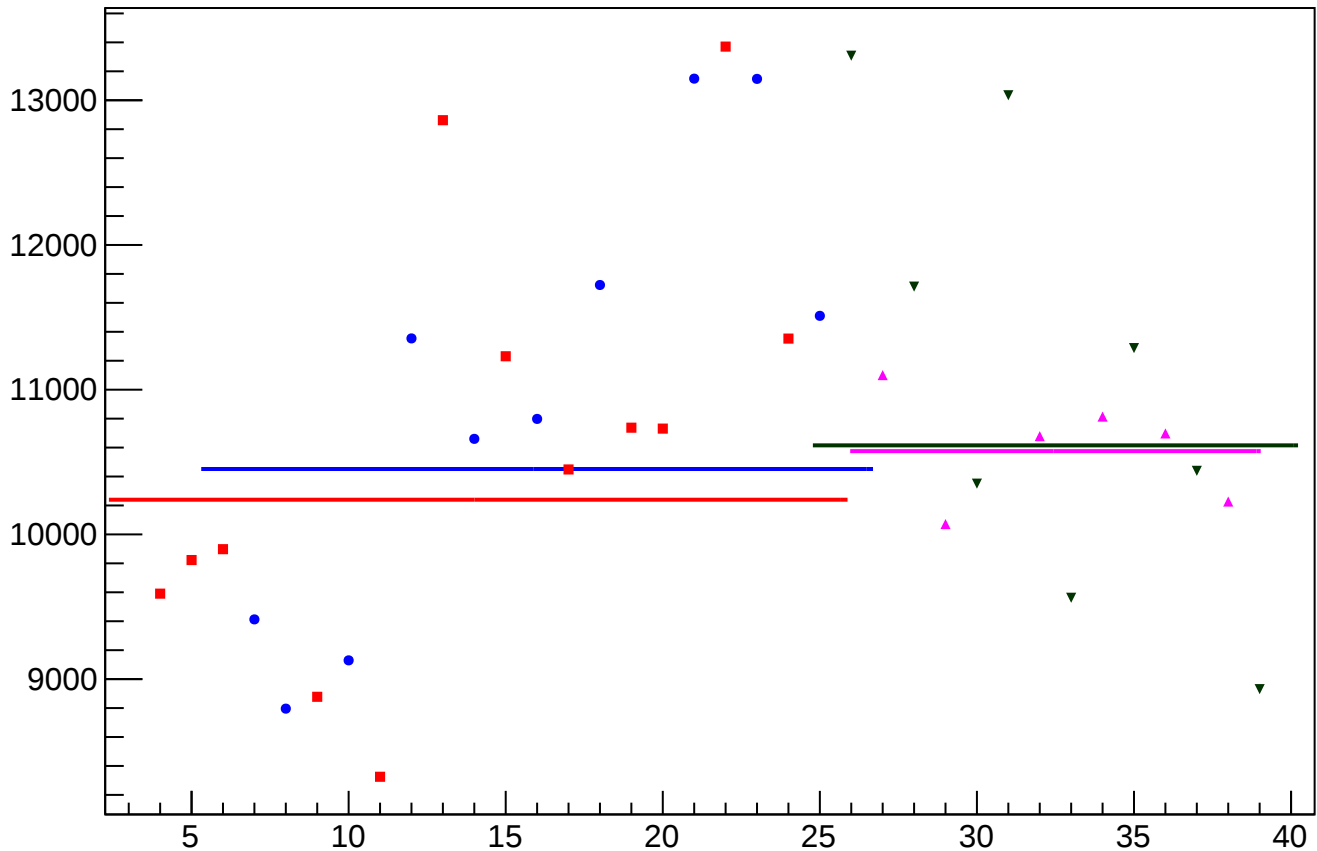
Left Out: 3.251 ± 5.150 χ^2/NDF : 4.3/7

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

-2.110 ± 3.222 χ^2/NDF : 29.2/17

Left In: 11.237 ± 5.238 χ^2/NDF : 7.7/5

diff_bpm4eX_rms vs slug



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

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

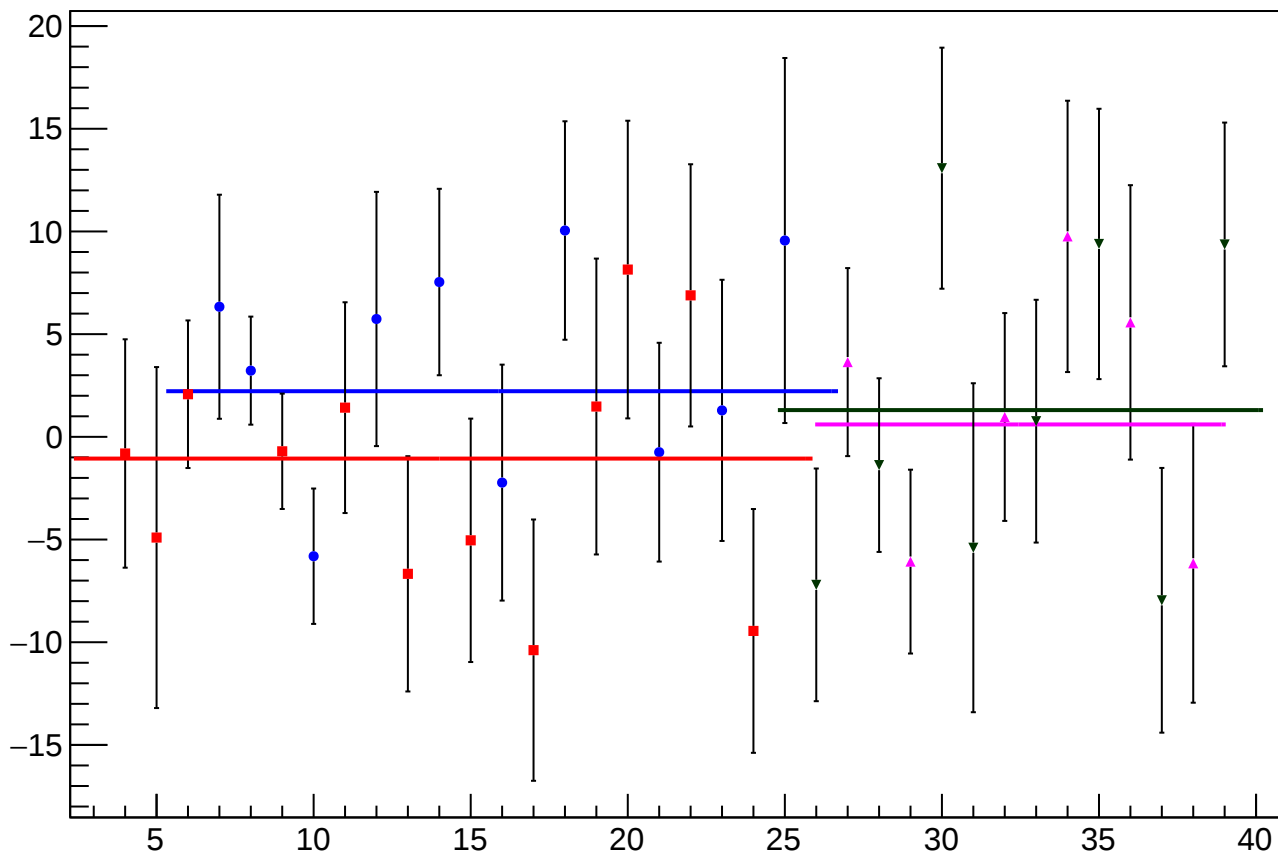
10516.164+/-2.283 χ^2/NDF : 382457.2/17

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

10366.723+/-2.278 χ^2/NDF : 287179.4/17

Left In: 10575.388+/-3.704 χ^2/NDF : 10001.9/5

diff_bpm4eY_mean vs slug



Right In: 2.222 ± 1.439 $\chi^2/\text{NDF}: 12.1/9$

Left Out: 1.302 ± 2.059 $\chi^2/\text{NDF}: 12.8/7$

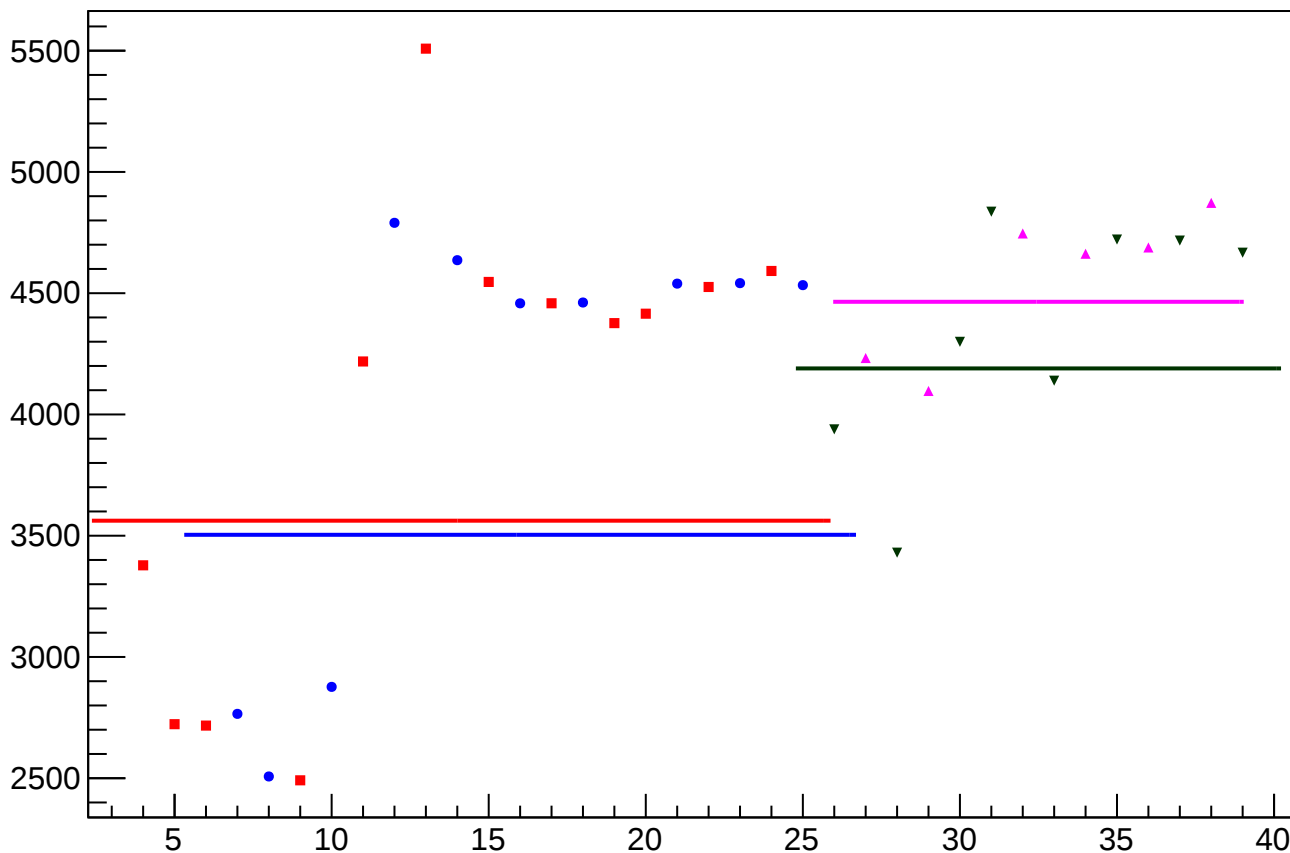
Right Out: -1.058 ± 1.468 $\chi^2/\text{NDF}: 10.1/11$

Left In: 0.604 ± 2.215 $\chi^2/\text{NDF}: 6.1/5$

1.920 ± 1.179 $\chi^2/\text{NDF}: 25.1/17$

-0.551 ± 1.224 $\chi^2/\text{NDF}: 16.6/17$

diff_bpm4eY_rms vs slug



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

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

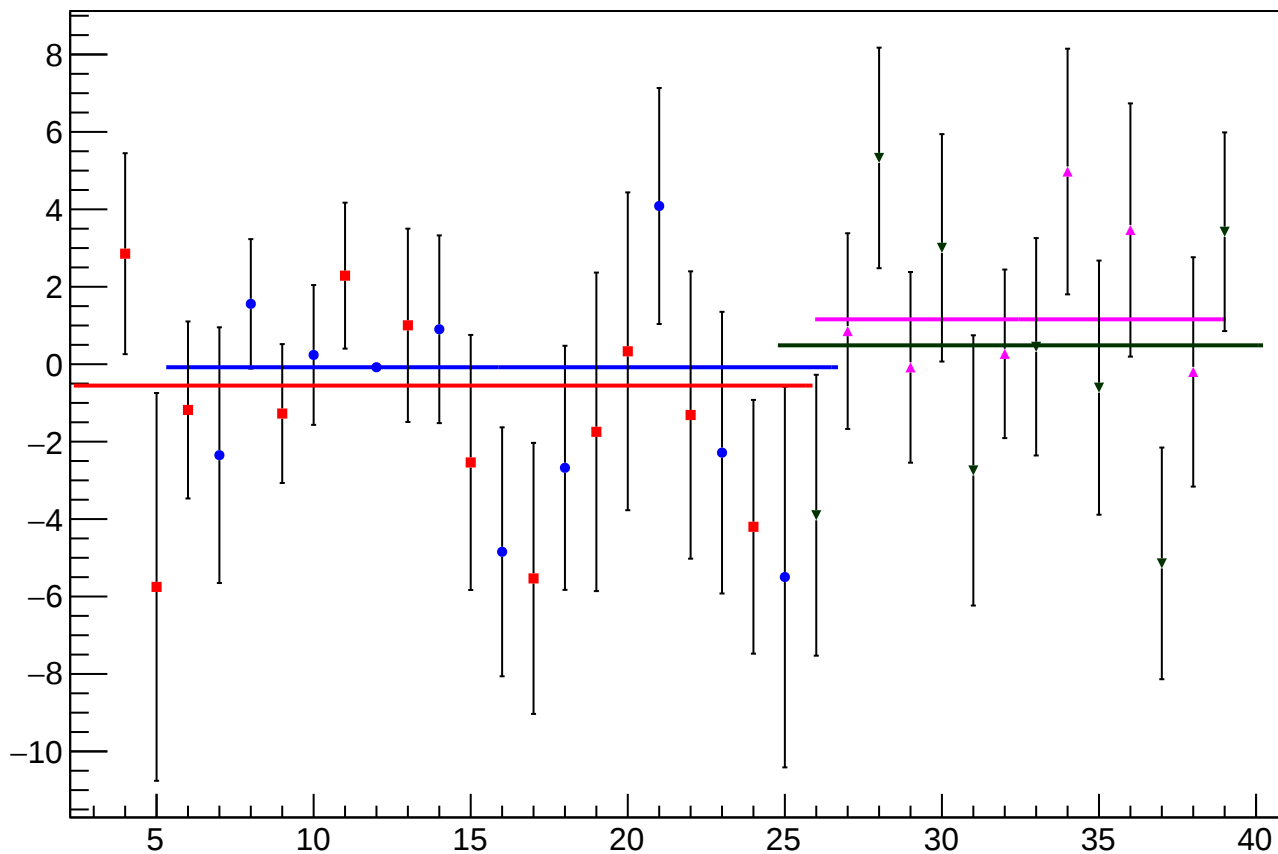
Right Out: 3561.943+/-1.038 χ^2/NDF : 941598.3/11

Left In: 4464.579+/-1.567 χ^2/NDF : 36105.6/5

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

3837.355+/-0.865 χ^2/NDF : 1208399.7/17

diff_bpm4acX_mean vs slug



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

Left Out: 0.488 ± 1.066 χ^2/NDF : 10.9/7

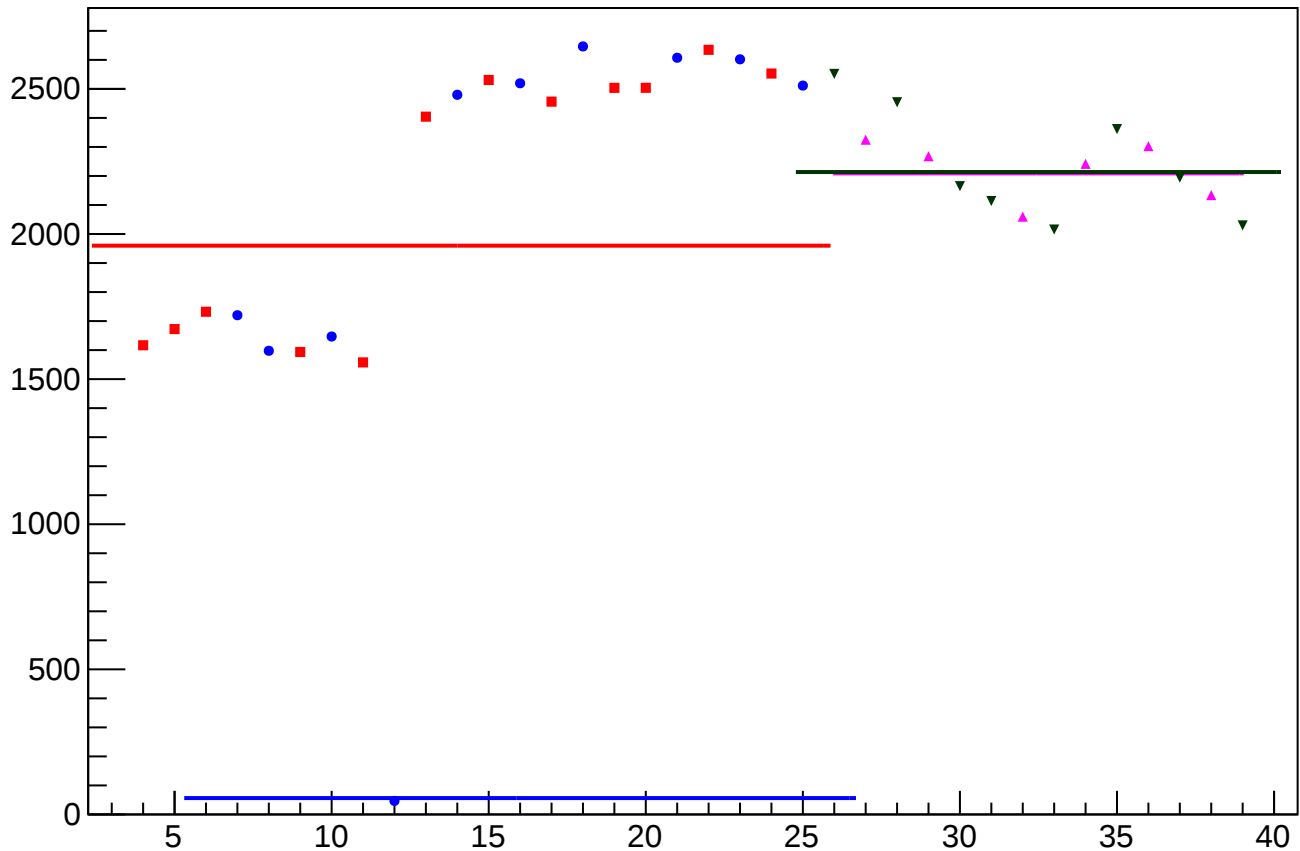
Right Out: -0.552 ± 0.793 χ^2/NDF : 9.5/11

Left In: 1.159 ± 1.091 χ^2/NDF : 2.6/5

-0.076 ± 0.060 χ^2/NDF : 19.1/17

0.039 ± 0.641 χ^2/NDF : 13.7/17

diff_bpm4acX_rms vs slug



Right In: 56.427 ± 0.043 $\chi^2/\text{NDF}: 11213241.4/9$

Left Out: 2213.565 ± 0.753 $\chi^2/\text{NDF}: 58203.8/7$

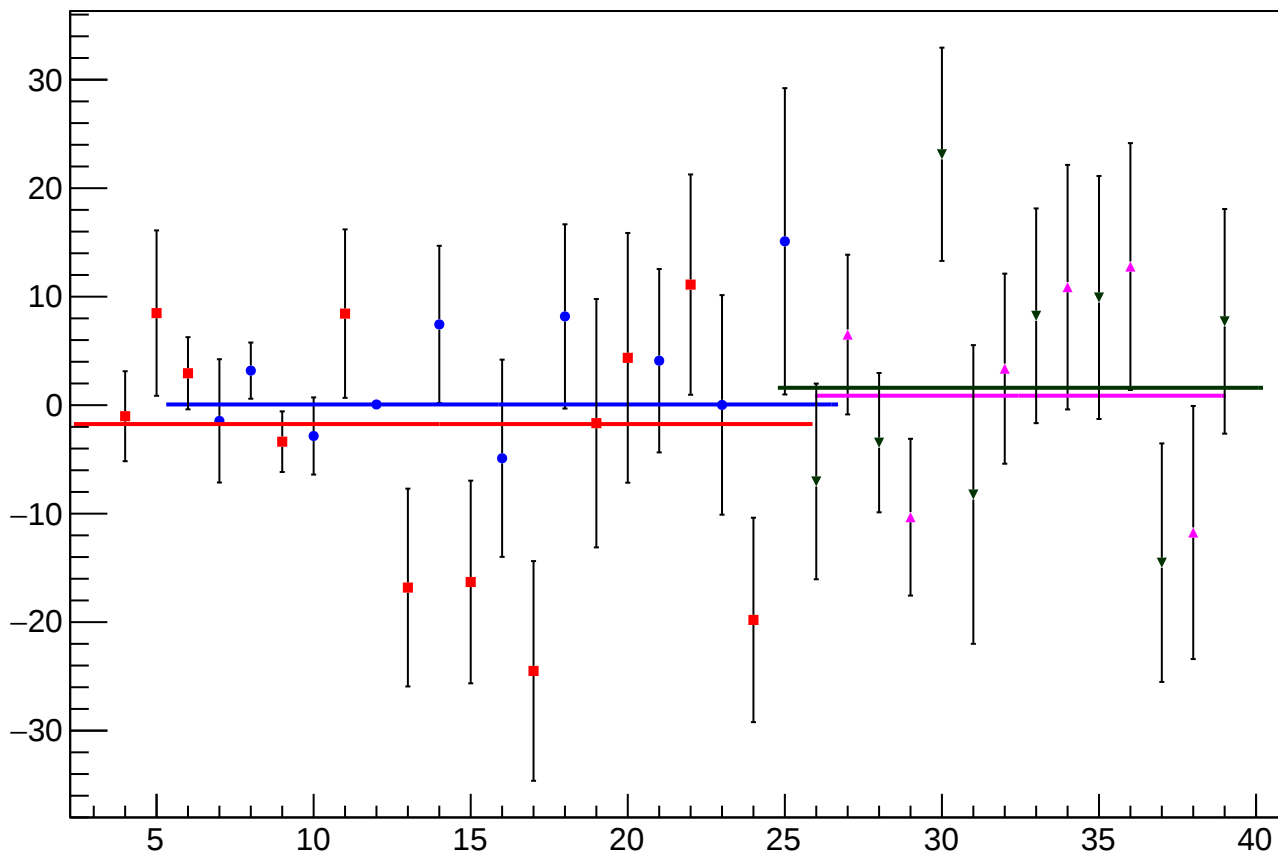
Right Out: 1959.862 ± 0.561 $\chi^2/\text{NDF}: 601394.1/11$

Left In: 2208.880 ± 0.772 $\chi^2/\text{NDF}: 17890.4/5$

63.283 ± 0.042 $\chi^2/\text{NDF}: 19441206.4/17$

2045.878 ± 0.454 $\chi^2/\text{NDF}: 687425.8/17$

diff_bpm4acY_mean vs slug



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

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

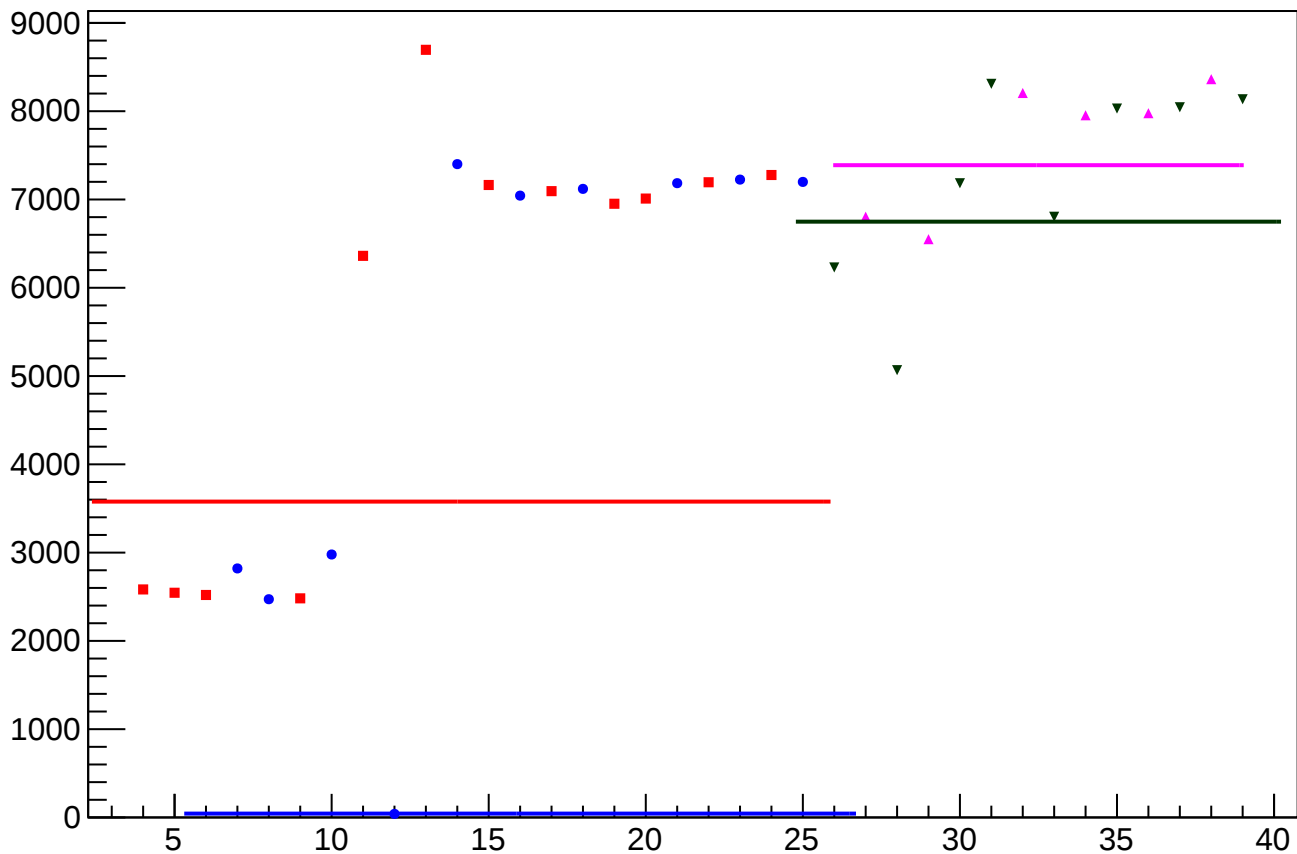
Right Out: -1.741 ± 1.623 $\chi^2/\text{NDF}: 21.6/11$

Left In: 0.873 ± 3.686 $\chi^2/\text{NDF}: 6.1/5$

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

-1.317 ± 1.485 $\chi^2/\text{NDF}: 28.2/17$

diff_bpm4acY_rms vs slug



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

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

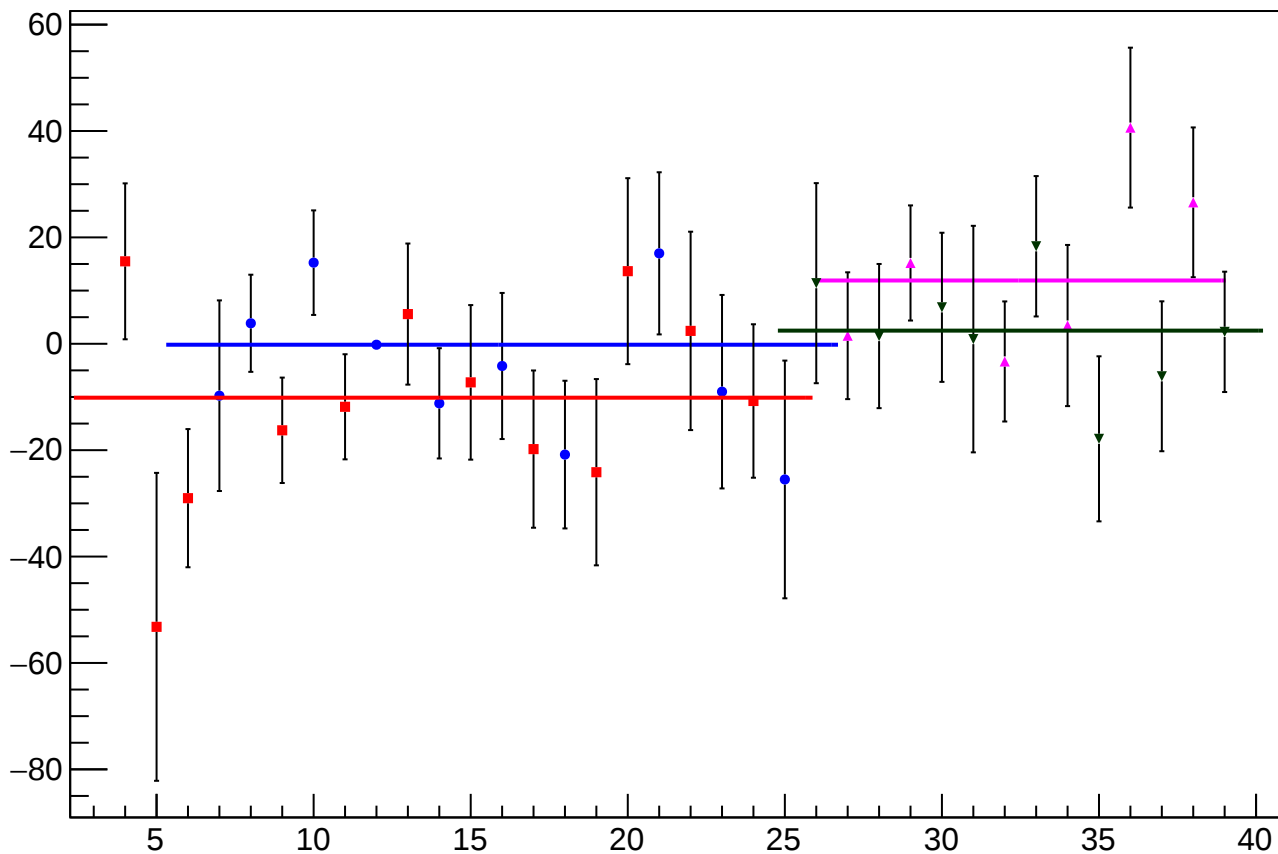
45.232+/-0.037 χ^2/NDF : 19362154.8/17

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

4196.445+/-1.050 χ^2/NDF : 4870536.2/17

Left In: 7388.588+/-2.607 χ^2/NDF : 81255.5/5

diff_bpm4ecX_mean vs slug



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

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

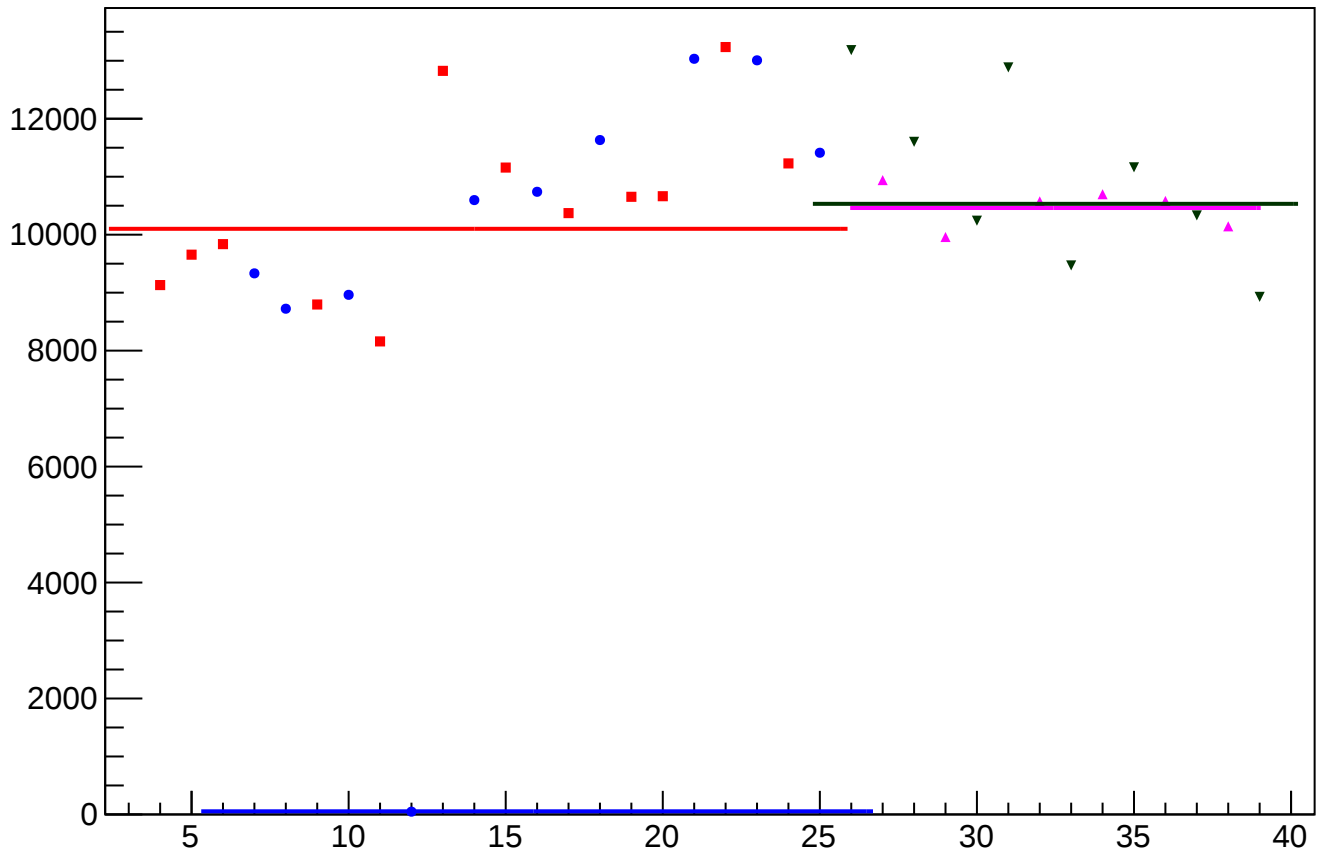
Right Out: -10.134 ± 4.035 χ^2/NDF : 12.6/11

Left In: 11.897 ± 5.181 χ^2/NDF : 7.7/5

-0.177 ± 0.106 χ^2/NDF : 13.3/17

-1.817 ± 3.183 χ^2/NDF : 31.6/17

diff_bpm4ecX_rms vs slug



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

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

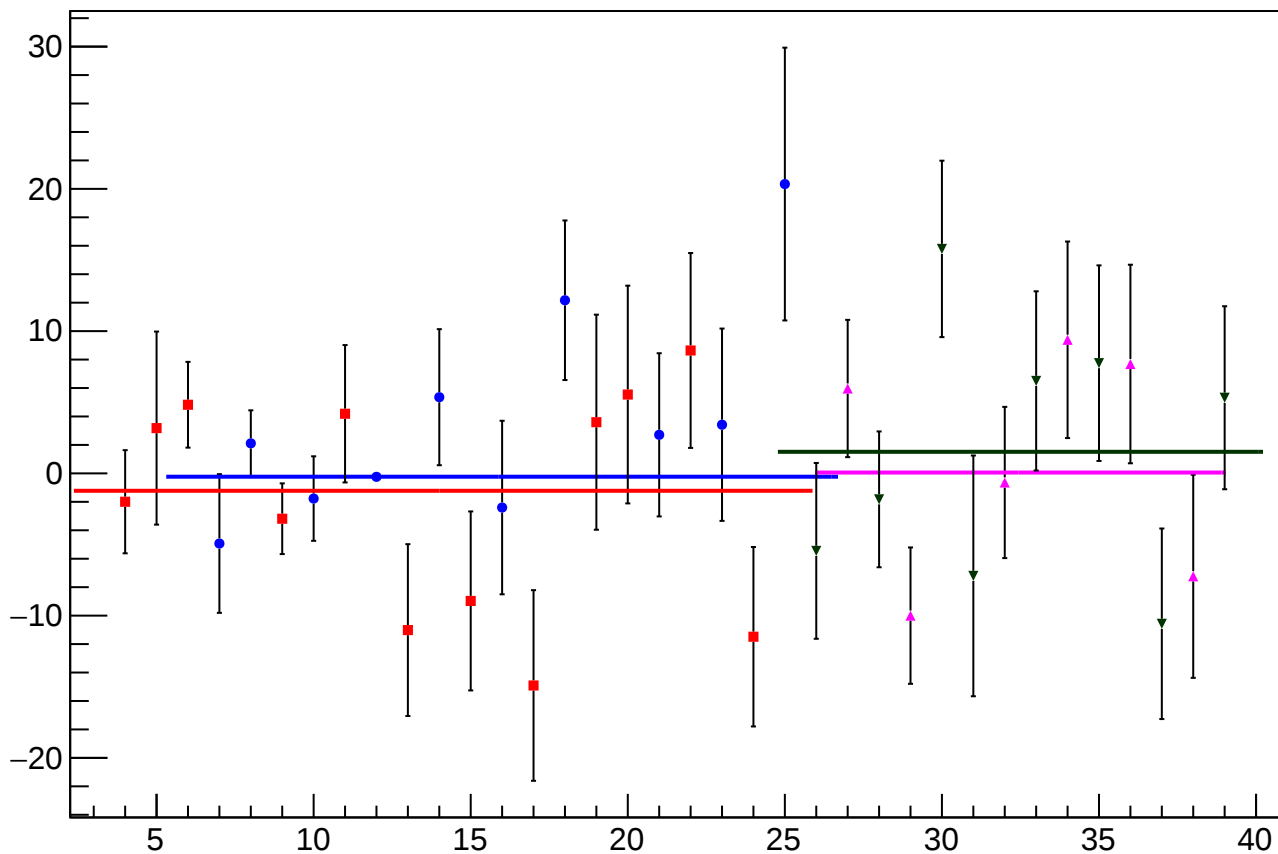
58.911+/-0.075 χ^2/NDF : 20188455.8/17

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

10236.740+/-2.251 χ^2/NDF : 305897.4/17

Left In: 10460.139+/-3.664 χ^2/NDF :9369.4/5

diff_bpm4ecY_mean vs slug



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

Left Out: 1.516 ± 2.220 χ^2/NDF : 13.2/7

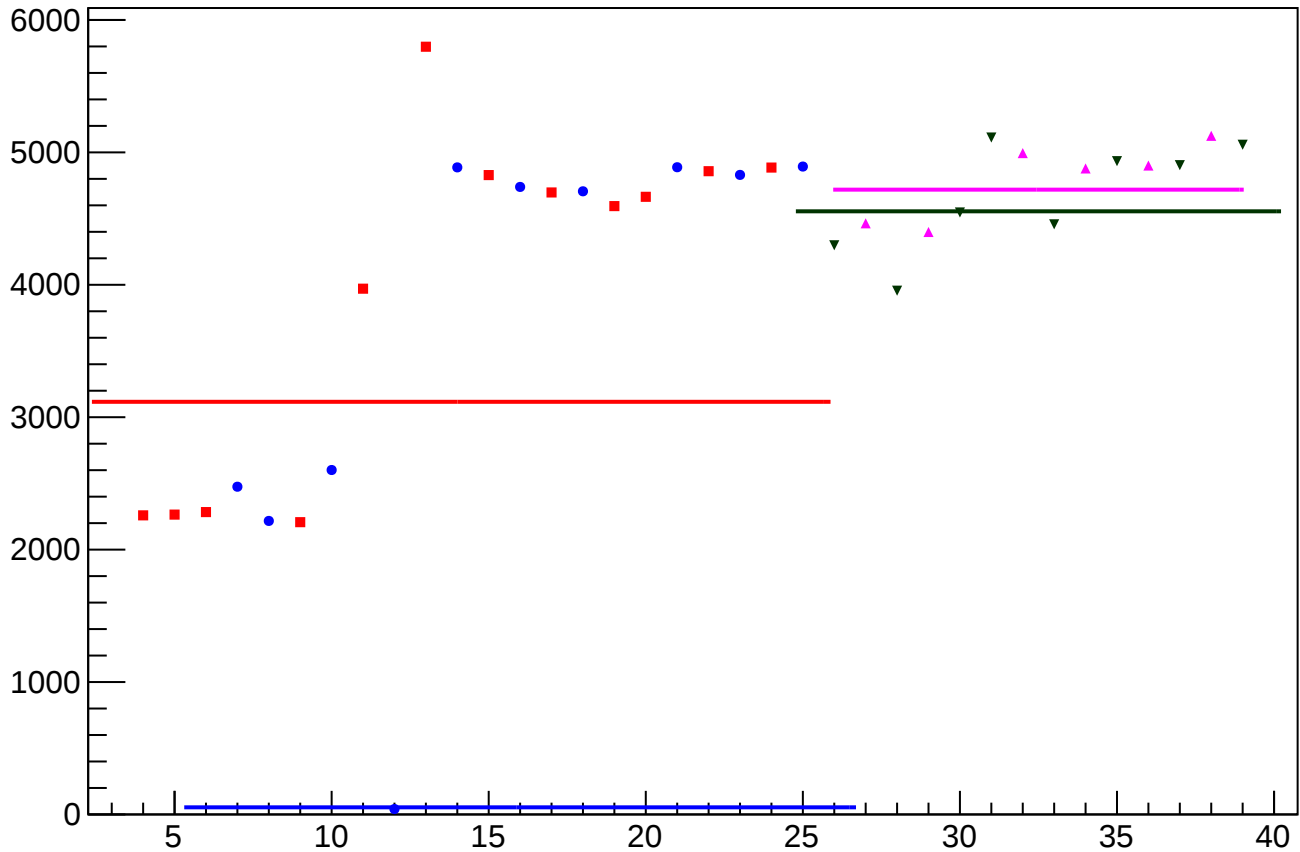
Right Out: -1.223 ± 1.326 χ^2/NDF : 20.6/11

Left In: 0.060 ± 2.338 χ^2/NDF : 10.0/5

-0.232 ± 0.090 χ^2/NDF : 27.6/17

-0.911 ± 1.154 χ^2/NDF : 30.8/17

diff_bpm4ecY_rms vs slug



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

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

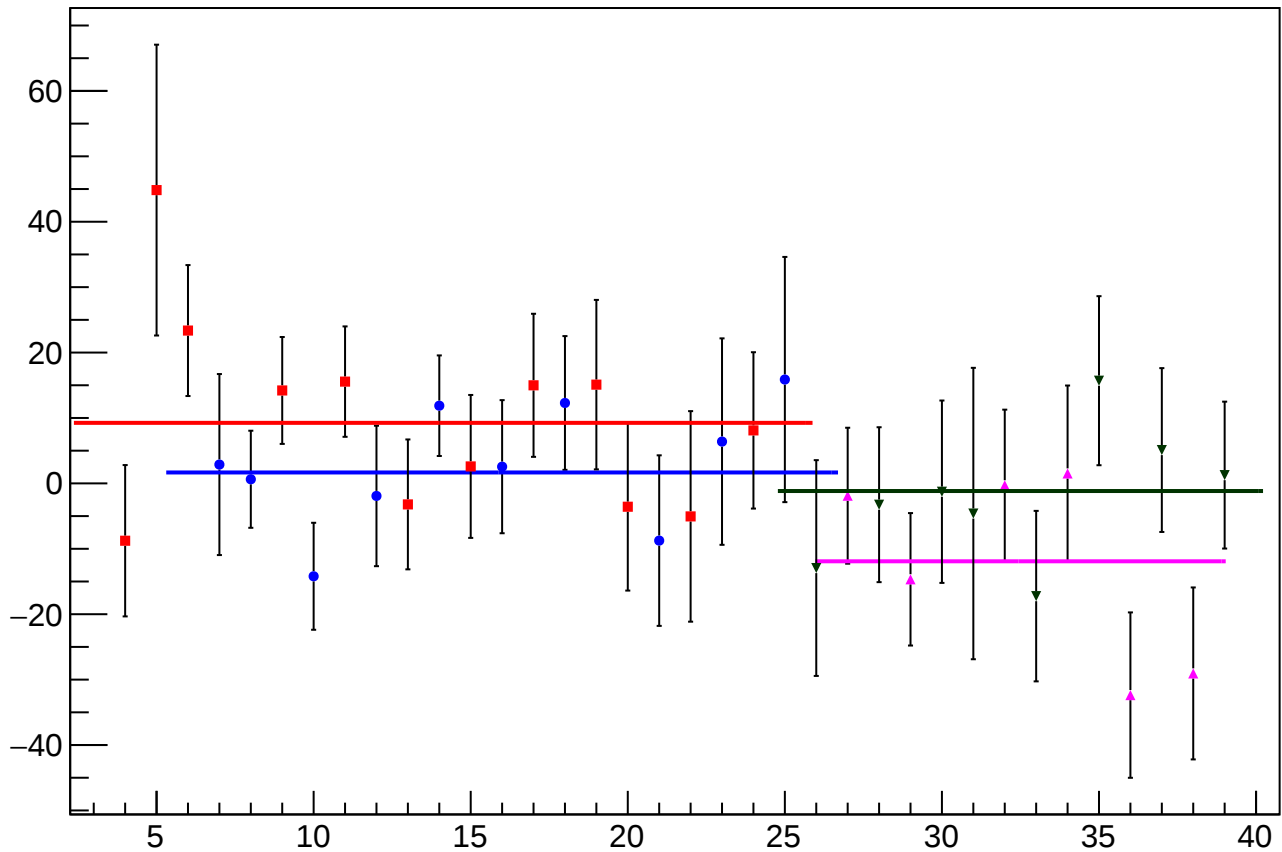
61.186+/-0.064 χ^2/NDF : 19543013.6/17

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

3506.390+/-0.816 χ^2/NDF : 2464232.8/17

Left In: 4718.525+/-1.653 χ^2/NDF : 28762.1/5

diff_bpm1X_mean vs slug



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

Left Out: -1.168 ± 4.759 $\chi^2/\text{NDF}: 4.1/7$

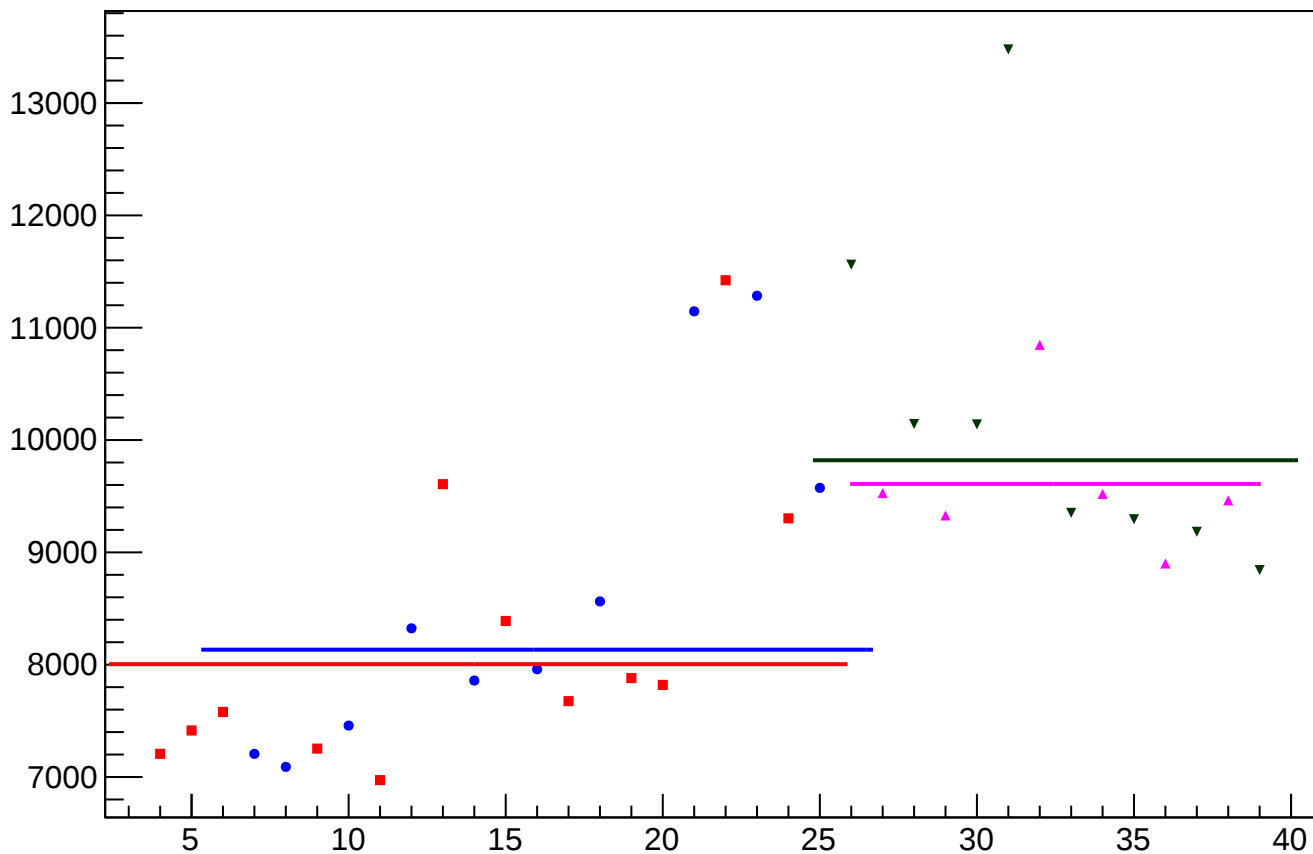
Right Out: 9.254 ± 3.190 $\chi^2/\text{NDF}: 12.1/11$

Left In: -11.912 ± 4.763 $\chi^2/\text{NDF}: 7.3/5$

0.775 ± 2.672 $\chi^2/\text{NDF}: 12.4/17$

2.701 ± 2.650 $\chi^2/\text{NDF}: 33.1/17$

diff_bpm1X_rms vs slug



Right In: 8133.661 ± 2.283 $\chi^2/\text{NDF}: 267771.2/9$

Left Out: 9819.966 ± 3.365 $\chi^2/\text{NDF}: 104961.7/7$

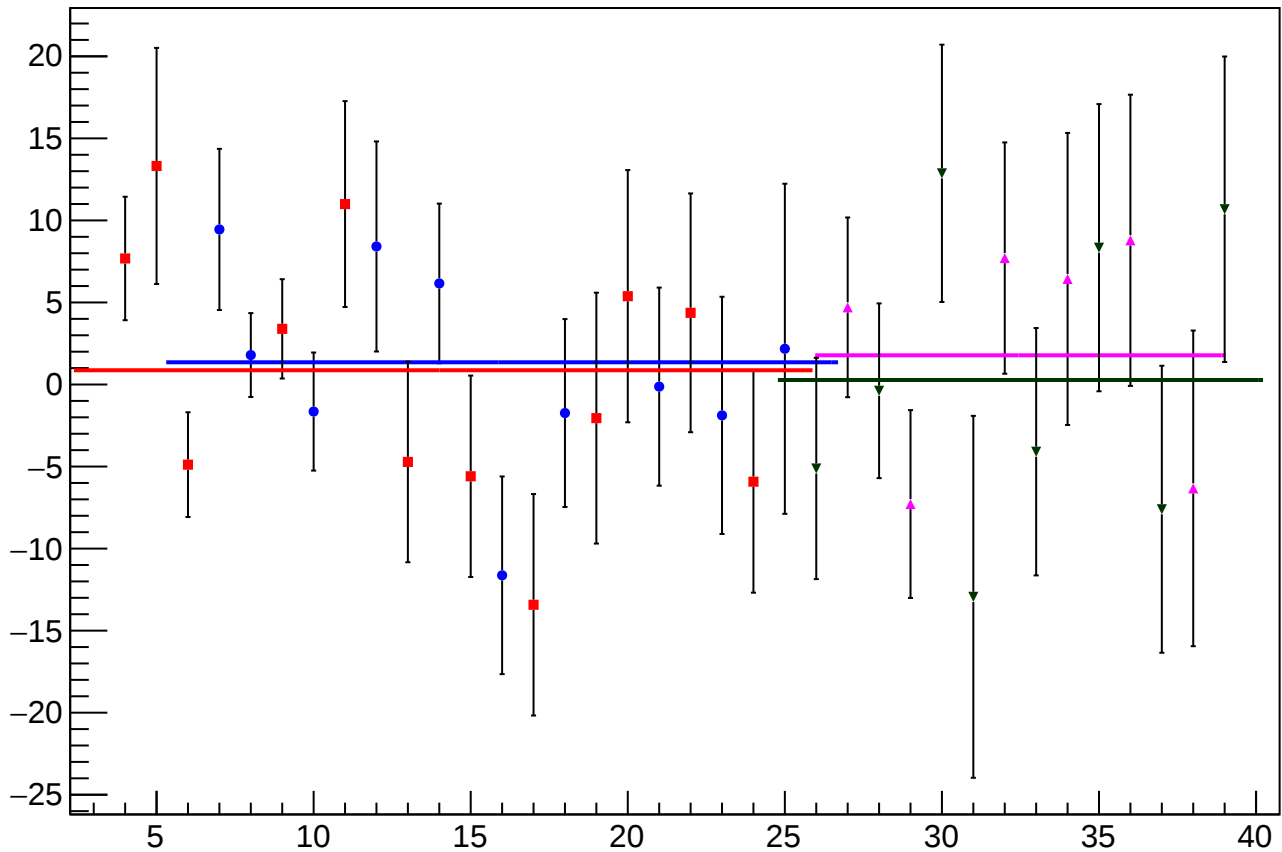
Right Out: 8004.585 ± 2.255 $\chi^2/\text{NDF}: 232190.6/11$

Left In: 9609.213 ± 3.368 $\chi^2/\text{NDF}: 31197.9/5$

8665.281 ± 1.889 $\chi^2/\text{NDF}: 544678.0/17$

8501.366 ± 1.874 $\chi^2/\text{NDF}: 420084.0/17$

diff_bpm1Y_mean vs slug



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

Left Out: 0.274 ± 2.701 $\chi^2/\text{NDF}: 7.9/7$

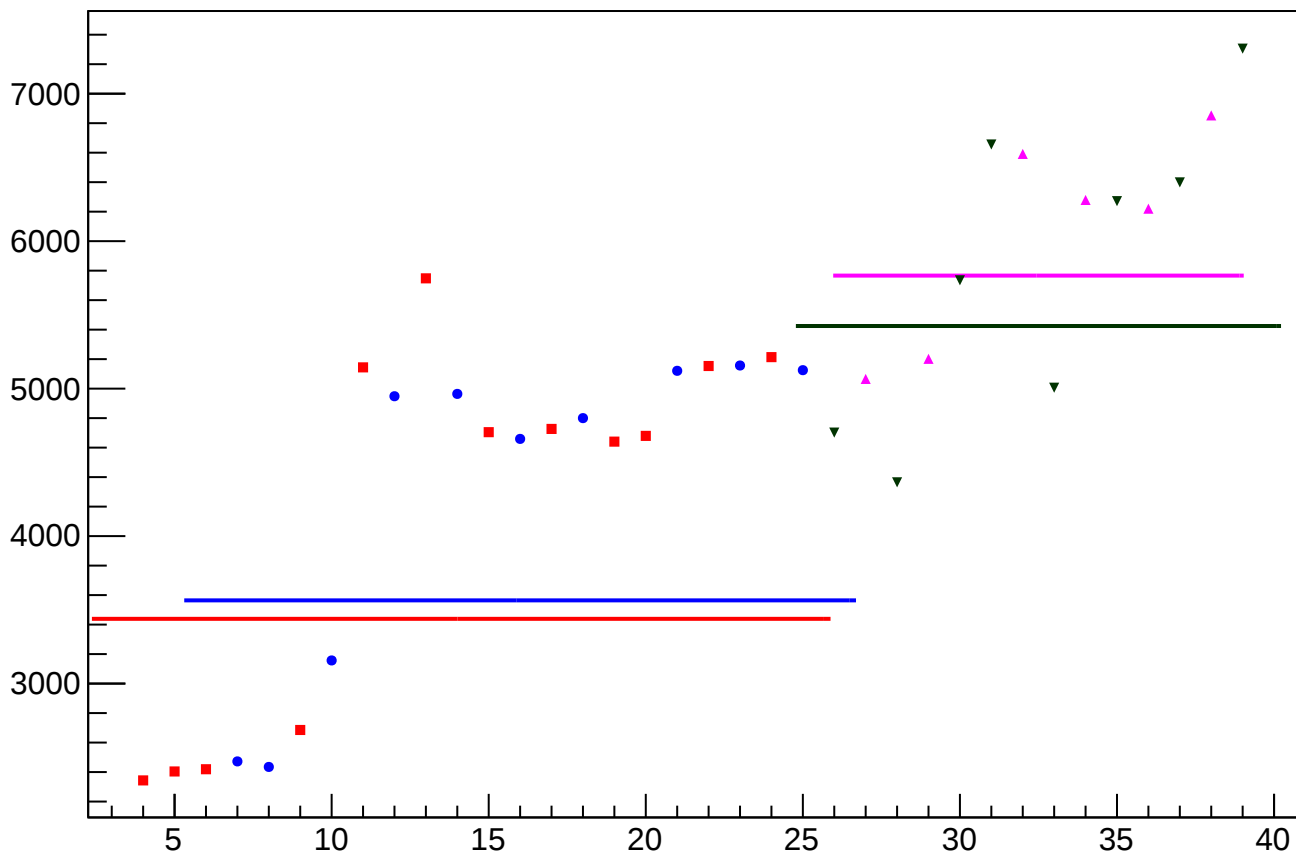
Right Out: 0.868 ± 1.454 $\chi^2/\text{NDF}: 21.0/11$

Left In: 1.781 ± 2.885 $\chi^2/\text{NDF}: 5.1/5$

1.103 ± 1.302 $\chi^2/\text{NDF}: 18.9/17$

1.053 ± 1.299 $\chi^2/\text{NDF}: 26.2/17$

diff_bpm1Y_rms vs slug



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

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

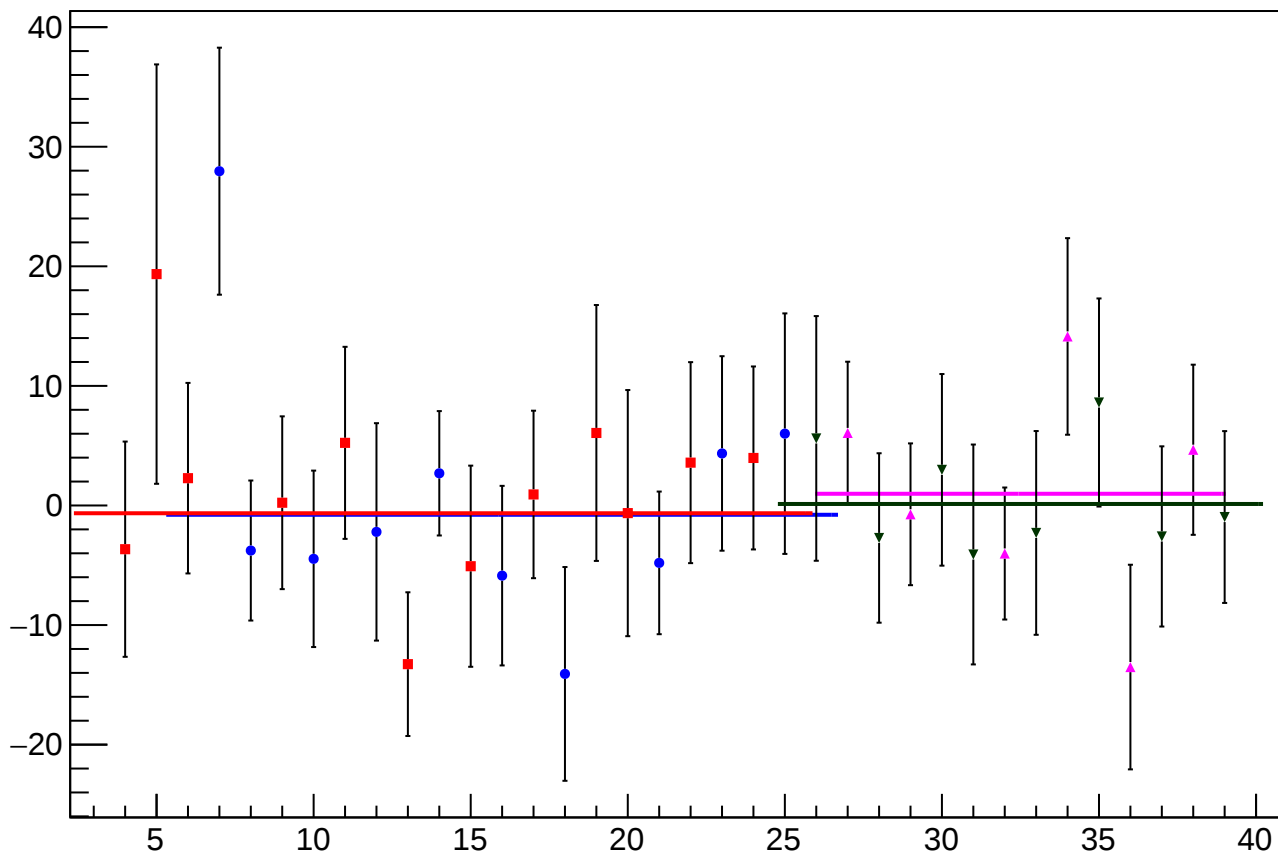
Right Out: 3439.033+/-1.028 χ^2/NDF : 1480366.2/11

Left In: 5766.490+/-2.040 χ^2/NDF : 116986.5/5

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

3910.667+/-0.918 χ^2/NDF : 2635232.7/17

diff_bpm11X_mean vs slug



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

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

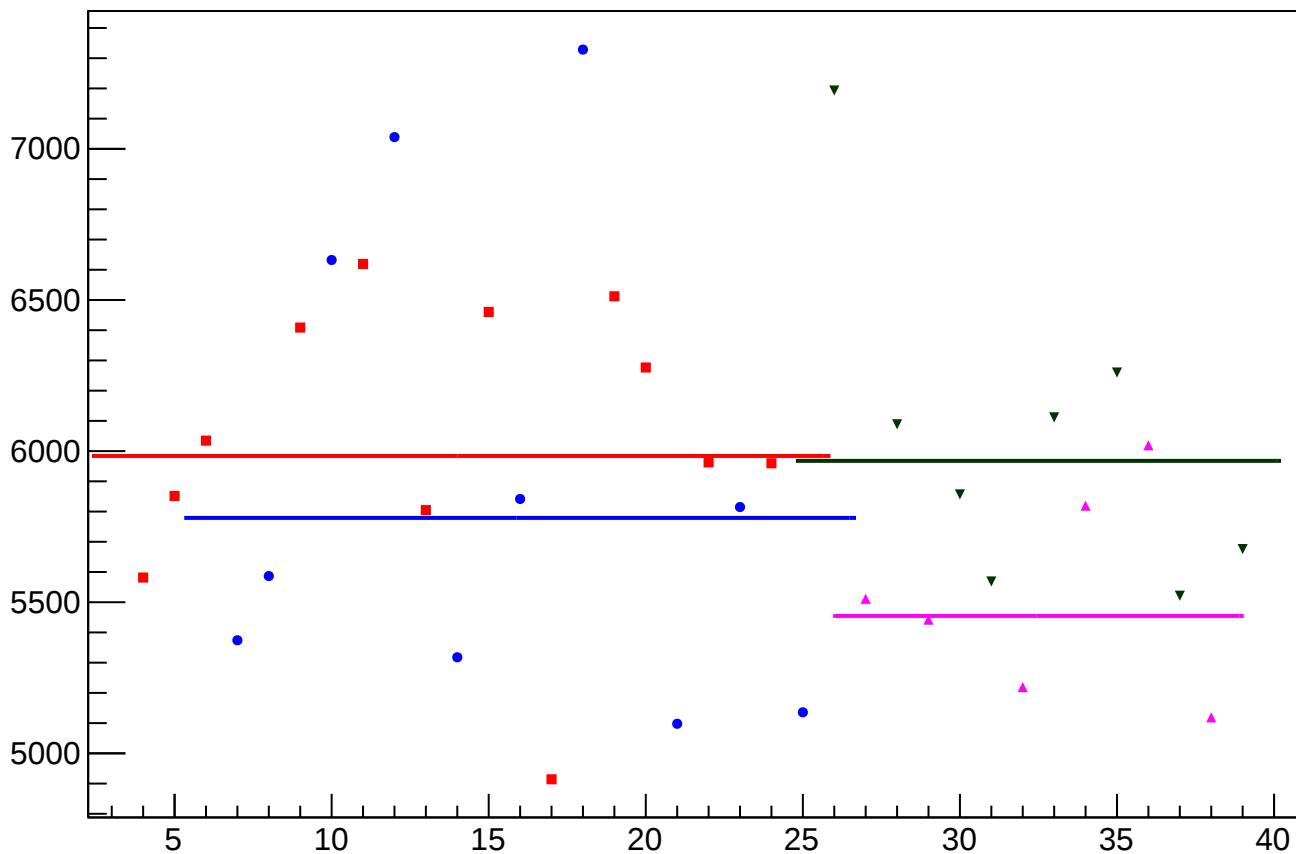
Right Out: -0.650 ± 2.373 χ^2/NDF : 7.8/11

Left In: 0.979 ± 2.695 χ^2/NDF : 7.3/5

-0.426 ± 1.795 χ^2/NDF : 14.7/17

0.061 ± 1.781 χ^2/NDF : 15.4/17

diff_bpm11X_rms vs slug



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

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

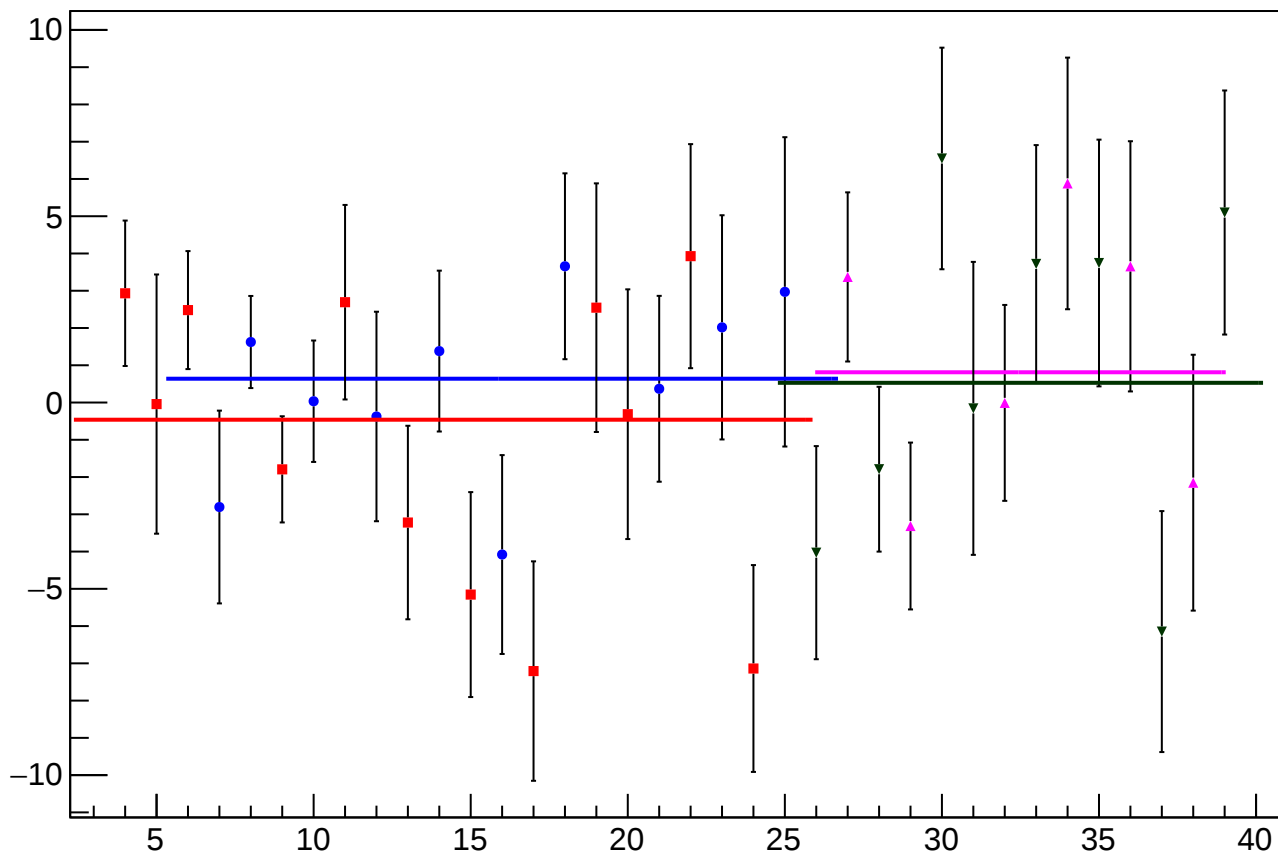
Right Out: 5983.998+/-1.678 χ^2/NDF : 85007.6/11

Left In: 5454.655+/-1.906 χ^2/NDF : 20929.8/5

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

5752.891+/-1.259 χ^2/NDF : 149402.4/17

diff_bpm11Y_mean vs slug



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

Left Out: 0.529 ± 1.064 χ^2/NDF : 15.9/7

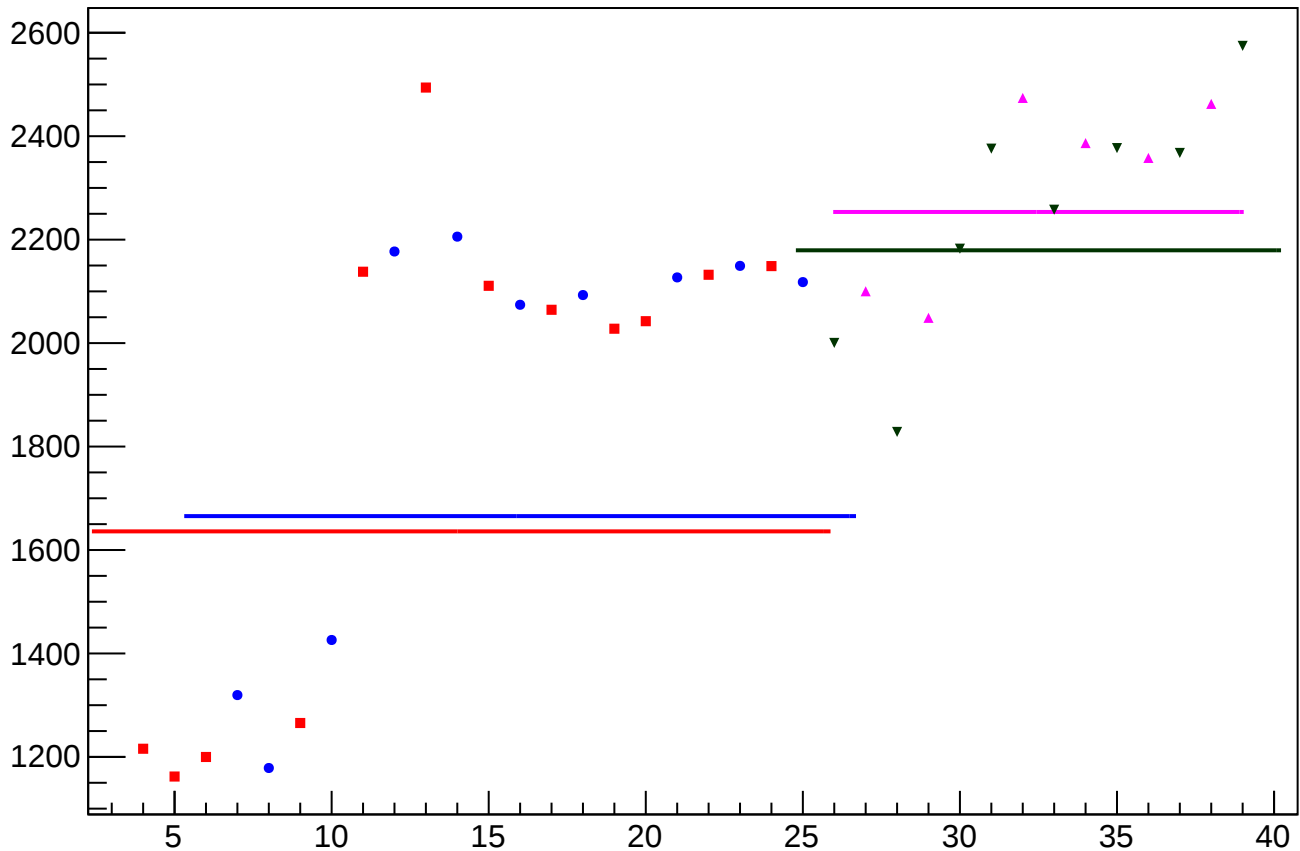
Right Out: -0.461 ± 0.674 χ^2/NDF : 26.8/11

Left In: 0.812 ± 1.118 χ^2/NDF : 8.5/5

0.607 ± 0.574 χ^2/NDF : 23.9/17

-0.122 ± 0.578 χ^2/NDF : 36.3/17

diff_bpm11Y_rms vs slug



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

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

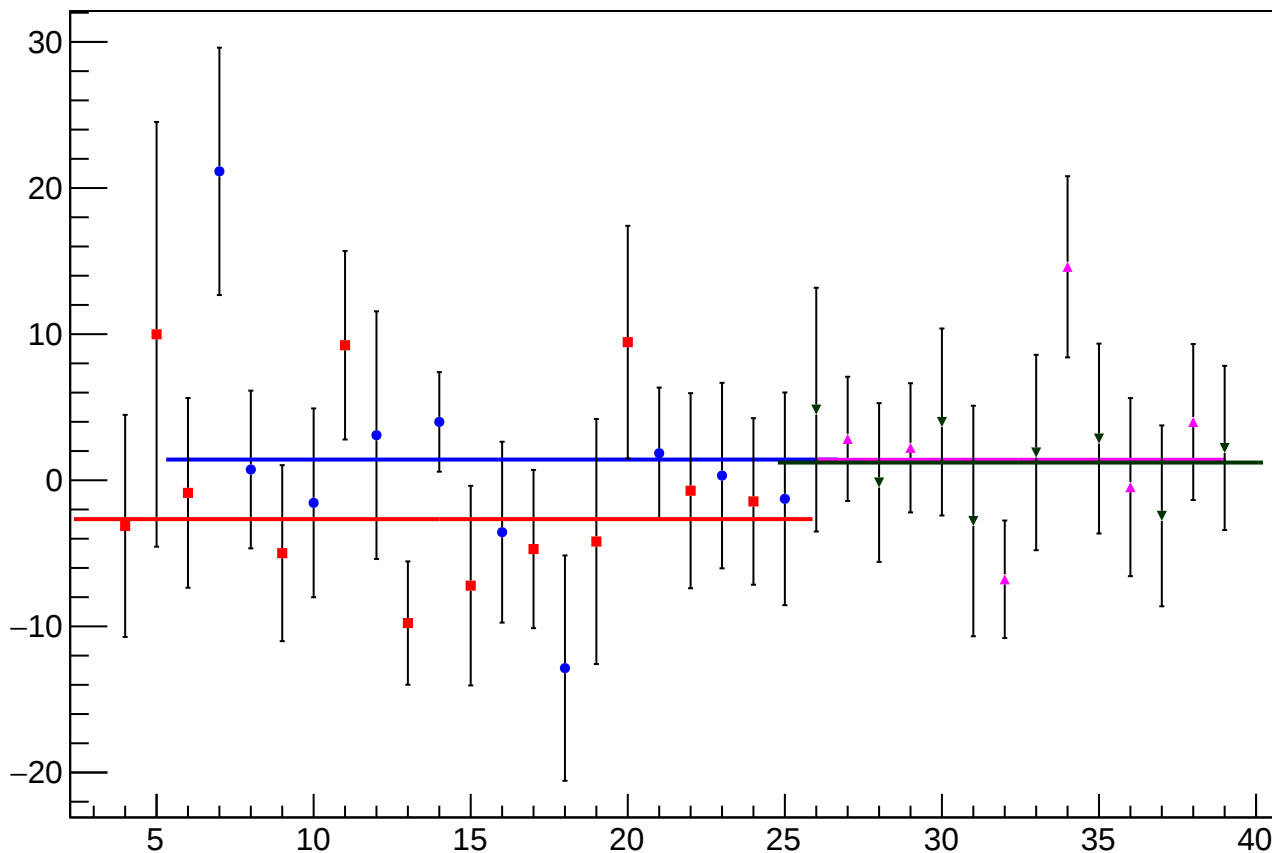
1815.028+/-0.406 χ^2/NDF : 1268468.5/17

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

1800.695+/-0.408 χ^2/NDF : 1490110.9/17

Left In: 2253.527+/-0.791 χ^2/NDF :52352.9/5

diff_bpm12X_mean vs slug



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

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

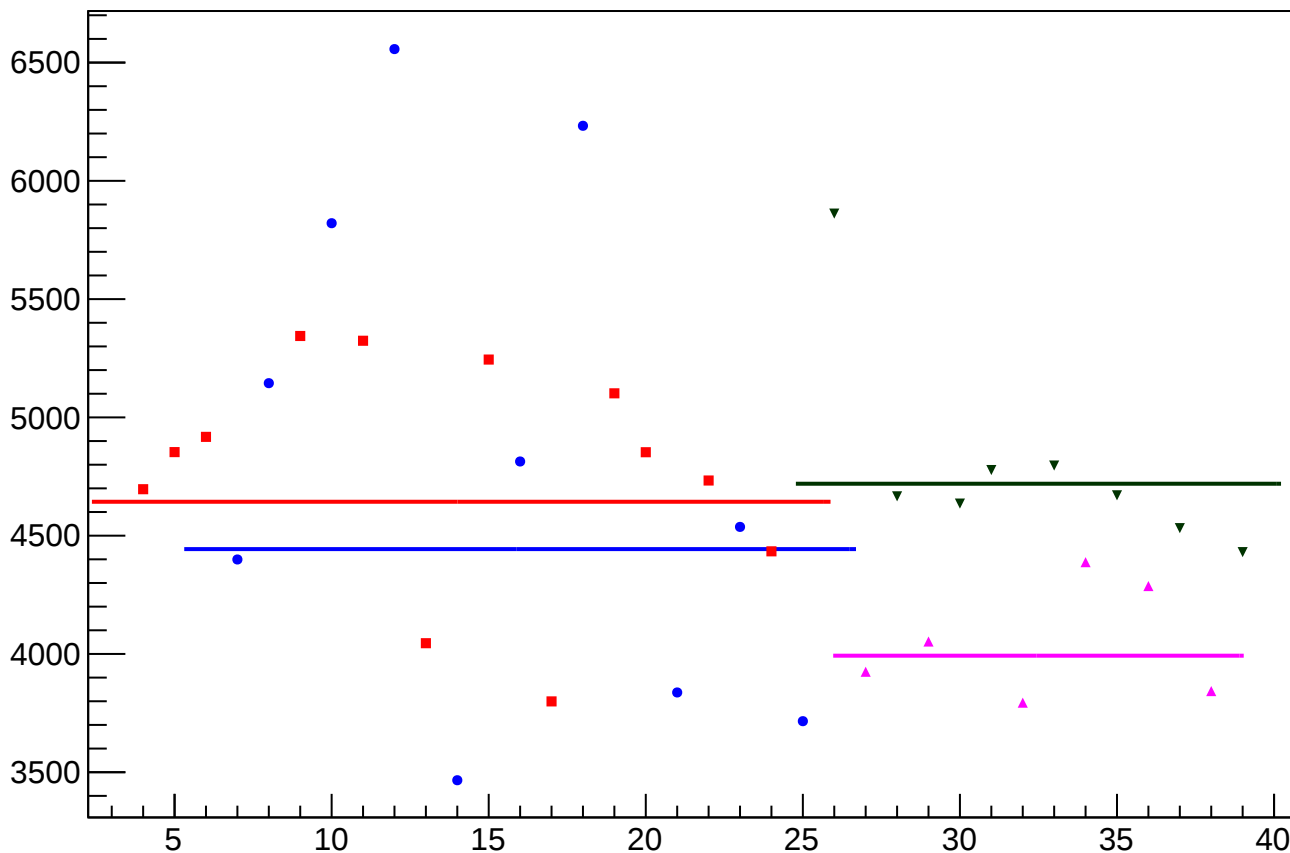
Right Out: -2.661 ± 1.850 χ^2/NDF : 10.3/11

Left In: 1.401 ± 1.975 χ^2/NDF : 9.1/5

1.339 ± 1.413 χ^2/NDF : 11.7/17

-0.763 ± 1.350 χ^2/NDF : 21.7/17

diff_bpm12X_rms vs slug



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

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

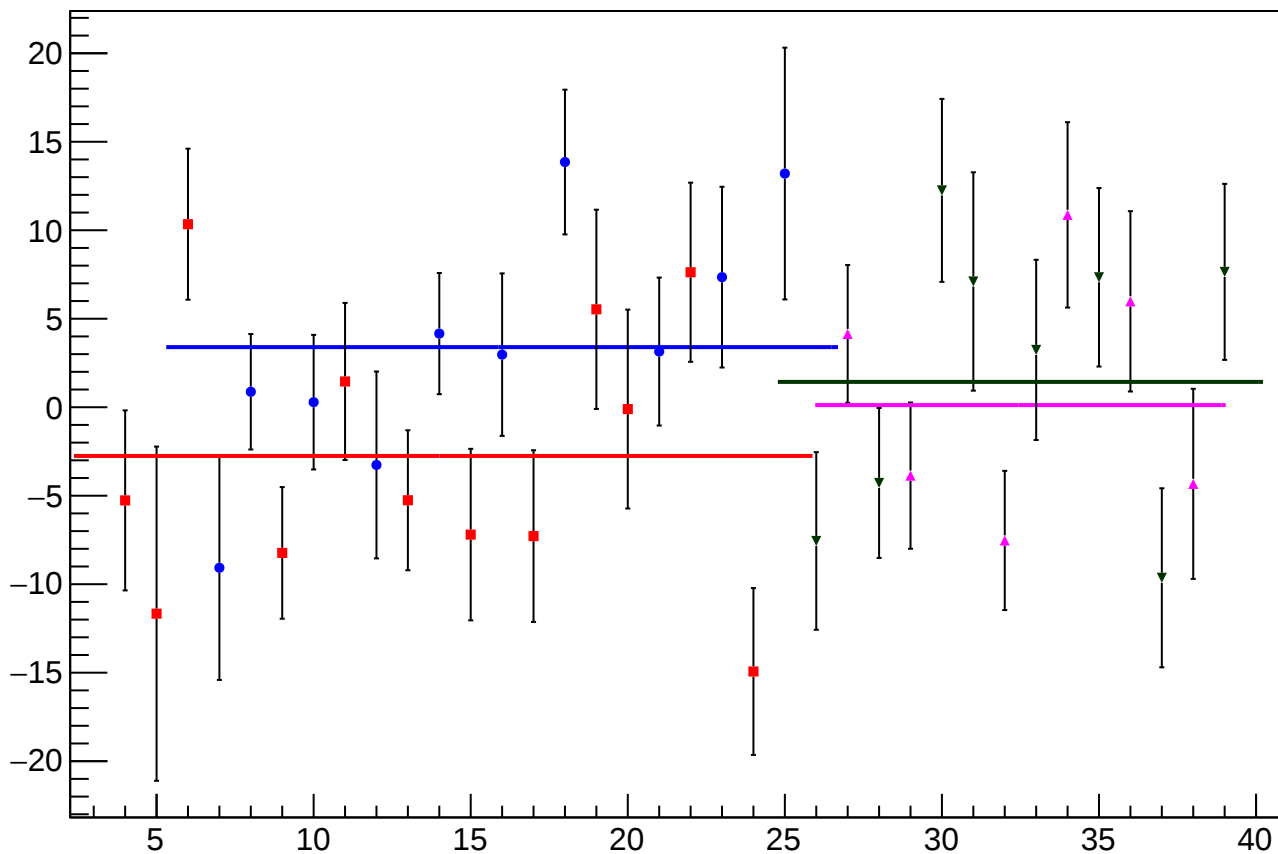
Right Out: 4643.387+/-1.308 χ^2/NDF : 168050.7/11

Left In: 3992.649+/-1.397 χ^2/NDF :20119.7/5

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

4339.358+/-0.955 χ^2/NDF : 303805.8/17

diff_bpm12Y_mean vs slug



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

Left Out: 1.432 ± 1.777 χ^2/NDF : 18.1/7

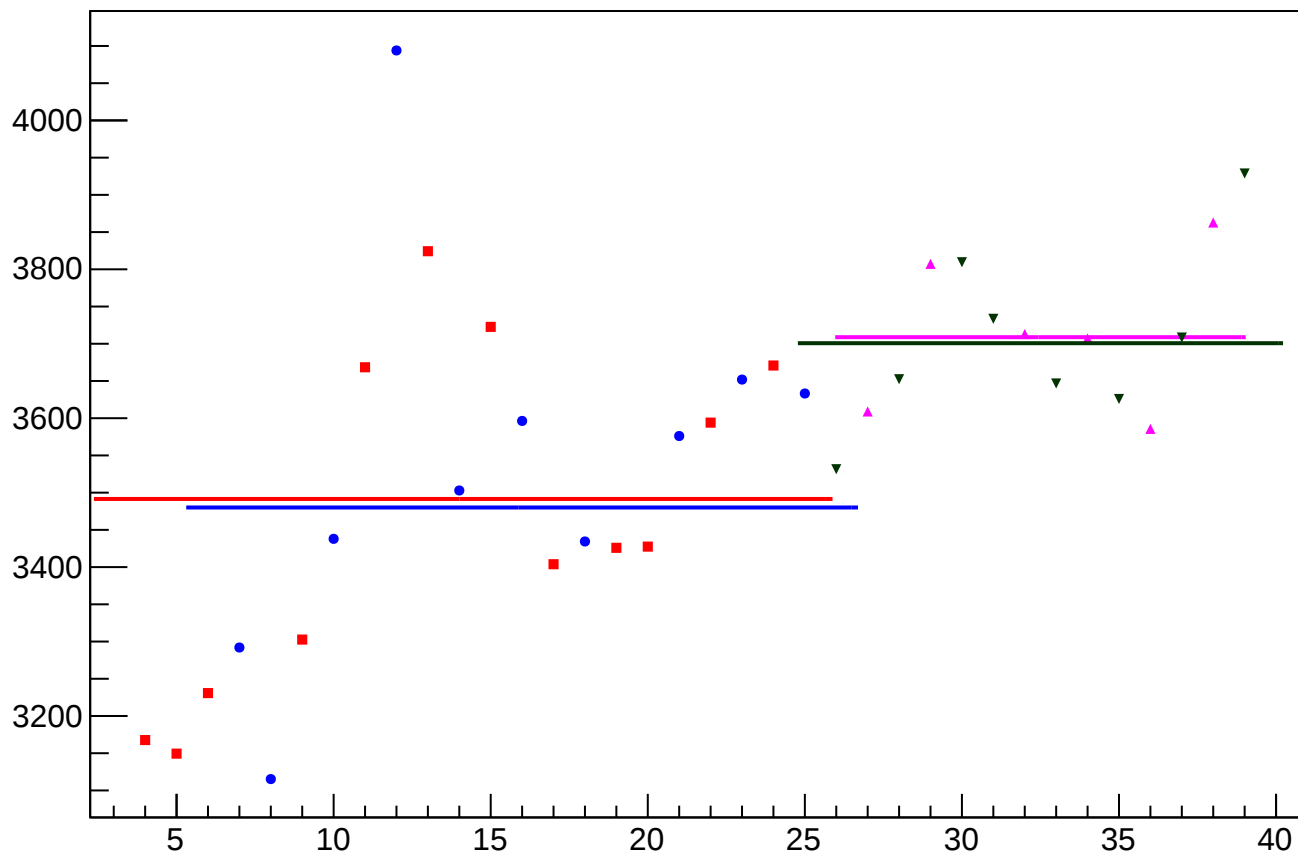
Right Out: -2.752 ± 1.381 χ^2/NDF : 29.0/11

Left In: 0.122 ± 1.830 χ^2/NDF : 12.0/5

2.663 ± 1.086 χ^2/NDF : 34.7/17

-1.709 ± 1.102 χ^2/NDF : 42.6/17

diff_bpm12Y_rms vs slug



Right In: 3480.066 $\pm$ 0.970 χ^2 /NDF: 59916.3/9

Left Out: 3700.749 $\pm$ 1.257 χ^2 /NDF:8351.4/7

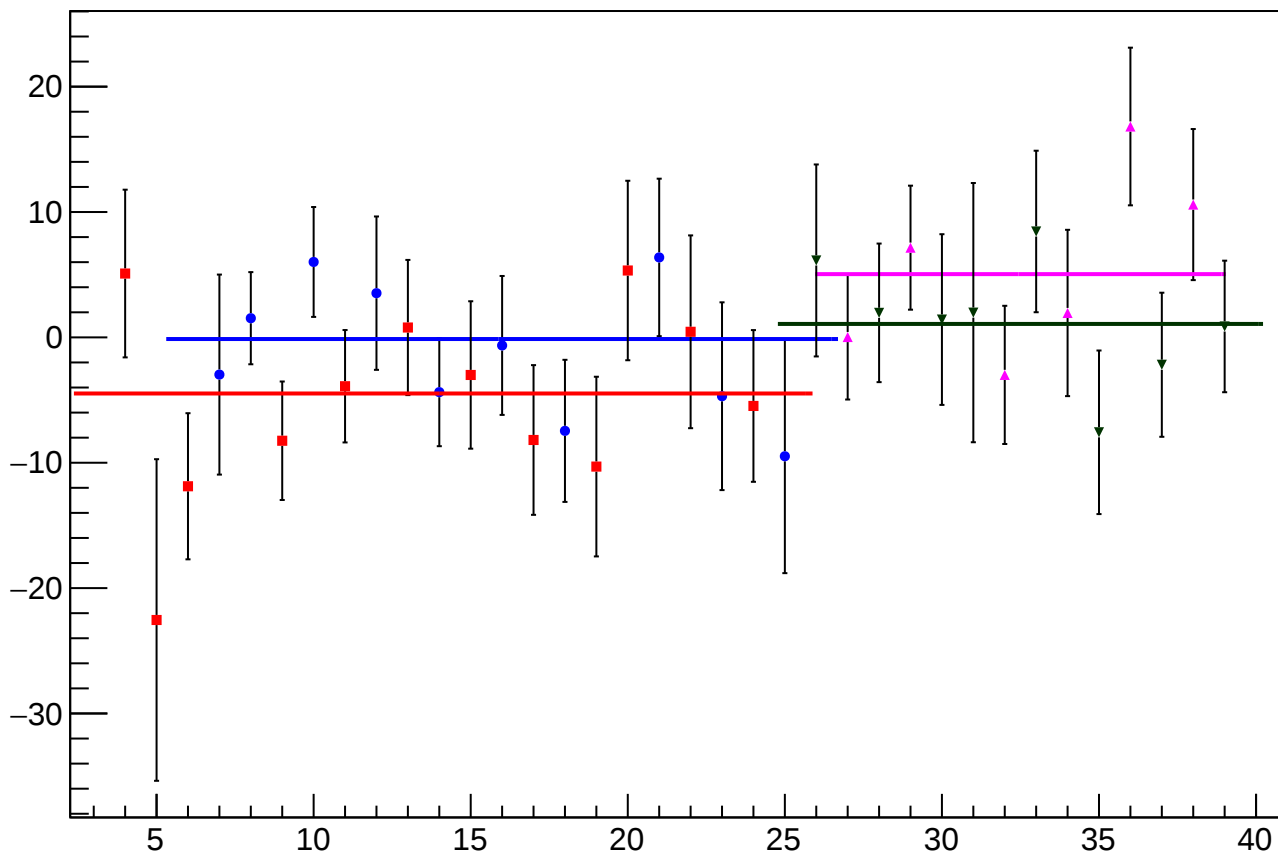
Right Out: 3491.537 $\pm$ 0.977 χ^2 /NDF: 50144.5/11

Left In: 3708.833 $\pm$ 1.294 χ^2 /NDF:5265.0/5

3562.405 $\pm$ 0.768 χ^2 /NDF: 87593.6/17

3570.430 $\pm$ 0.780 χ^2 /NDF: 73379.2/17

diff_bpm16X_mean vs slug



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

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

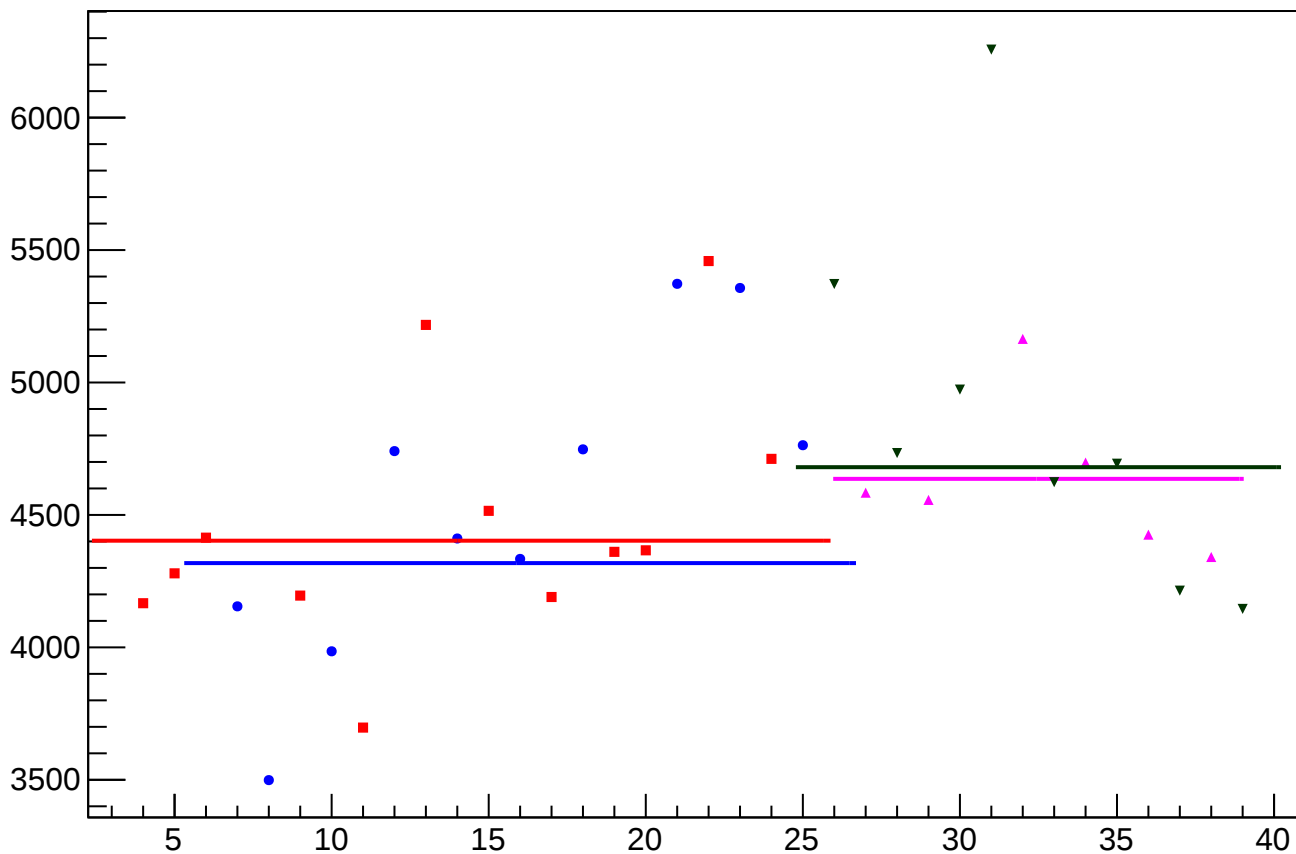
Right Out: -4.476 ± 1.749 $\chi^2/\text{NDF}: 10.7/11$

Left In: 5.046 ± 2.297 $\chi^2/\text{NDF}: 7.9/5$

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

-0.981 ± 1.391 $\chi^2/\text{NDF}: 29.4/17$

diff_bpm16X_rms vs slug



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

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

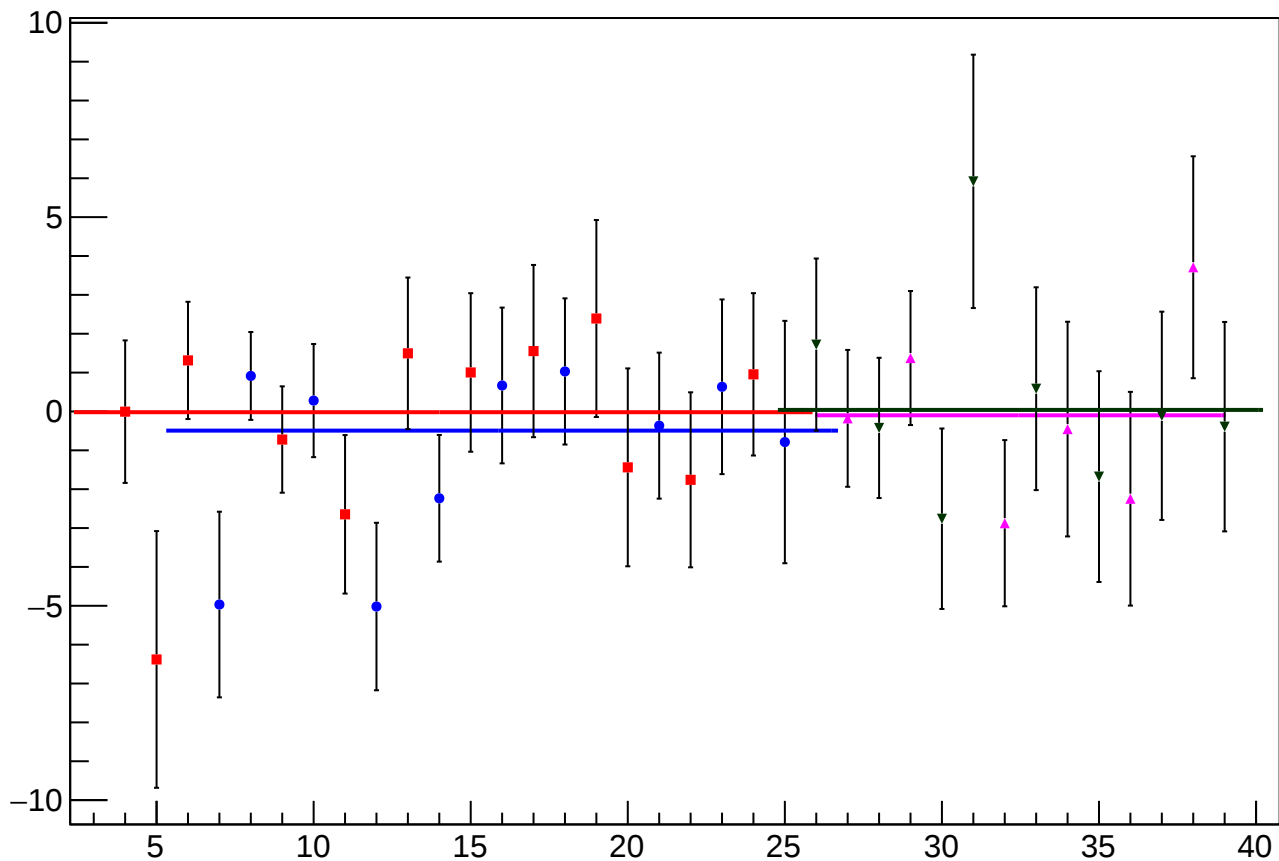
4449.969+/-0.966 χ^2/NDF : 366461.4/17

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

4488.448+/-0.984 χ^2/NDF : 187458.7/17

Left In: 4636.216+/-1.624 χ^2/NDF :26327.9/5

diff_bpm16Y_mean vs slug



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

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

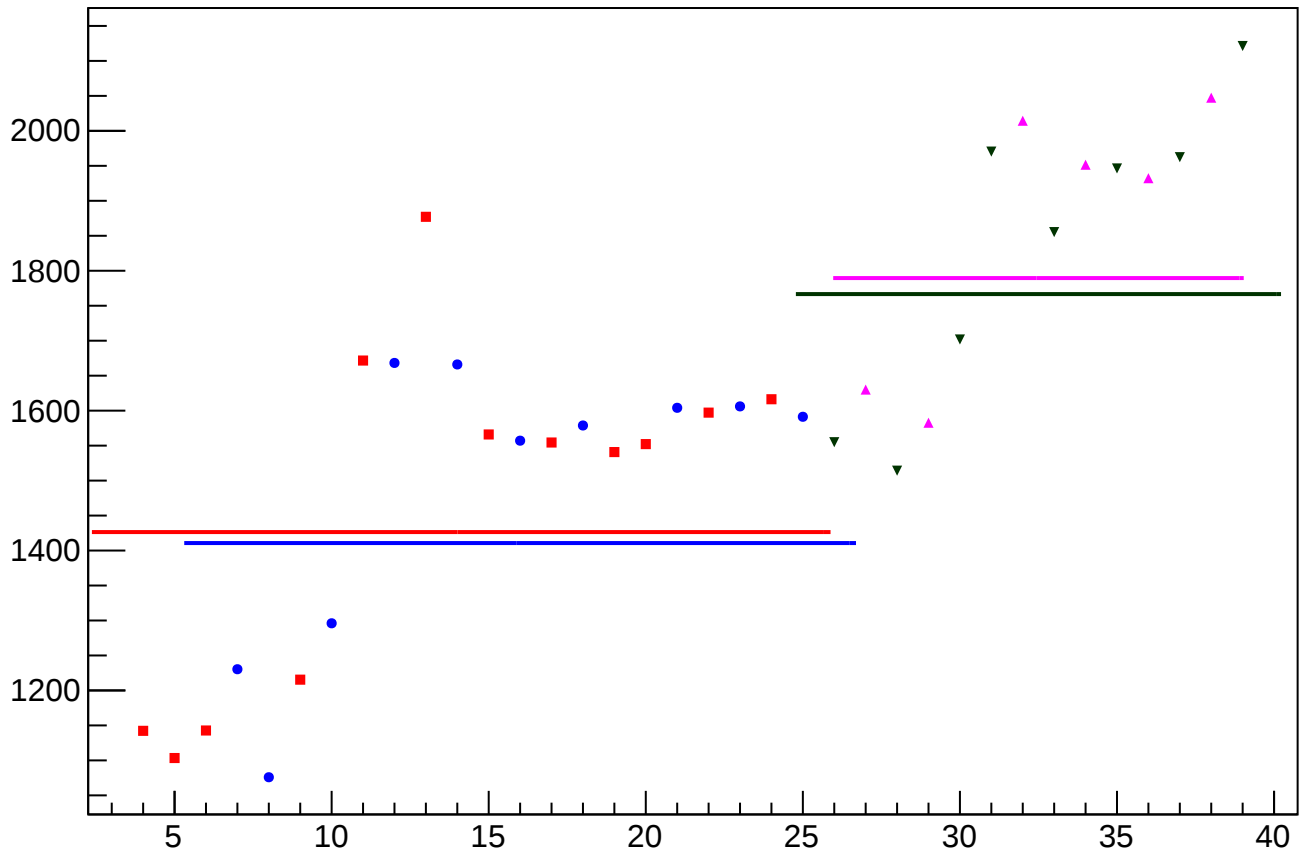
Right Out: -0.019 ± 0.573 χ^2/NDF : 9.8/11

Left In: -0.099 ± 0.890 χ^2/NDF : 4.8/5

-0.333 ± 0.472 χ^2/NDF : 18.2/17

-0.043 ± 0.482 χ^2/NDF : 14.6/17

diff_bpm16Y_rms vs slug



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

Left Out: 1766.654 $\pm$ 0.608 χ^2 /NDF:123210.0/7

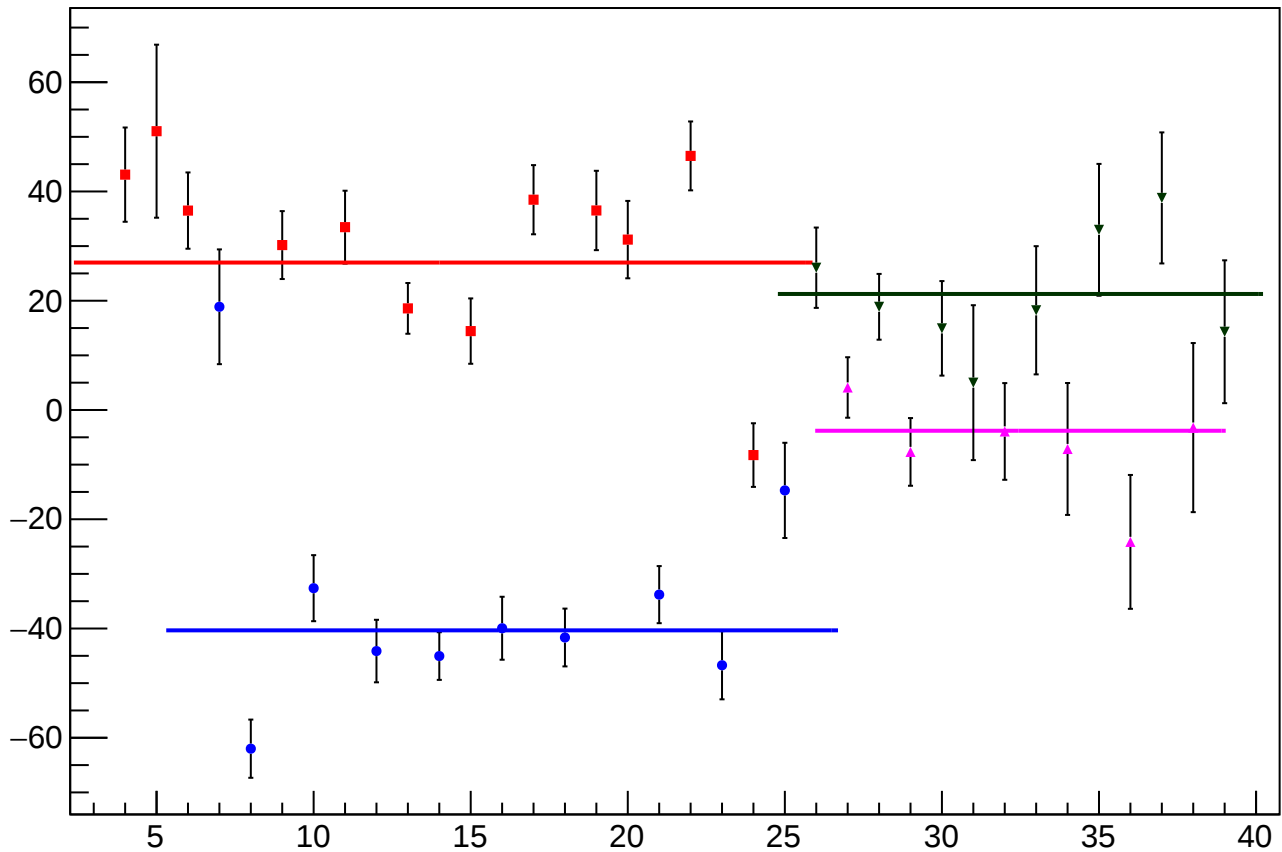
Right Out: 1426.417 $\pm$ 0.405 χ^2 /NDF: 374185.0/11

Left In: 1789.545 $\pm$ 0.629 χ^2 /NDF:95892.4/5

1517.828 $\pm$ 0.334 χ^2 /NDF: 708887.5/17

1532.880 $\pm$ 0.341 χ^2 /NDF: 705621.9/17

diff_bpm0l01X_mean vs slug



Right In: -40.337 ± 1.838 $\chi^2/\text{NDF}: 62.9/9$

Left Out: 21.238 ± 3.309 $\chi^2/\text{NDF}: 5.9/7$

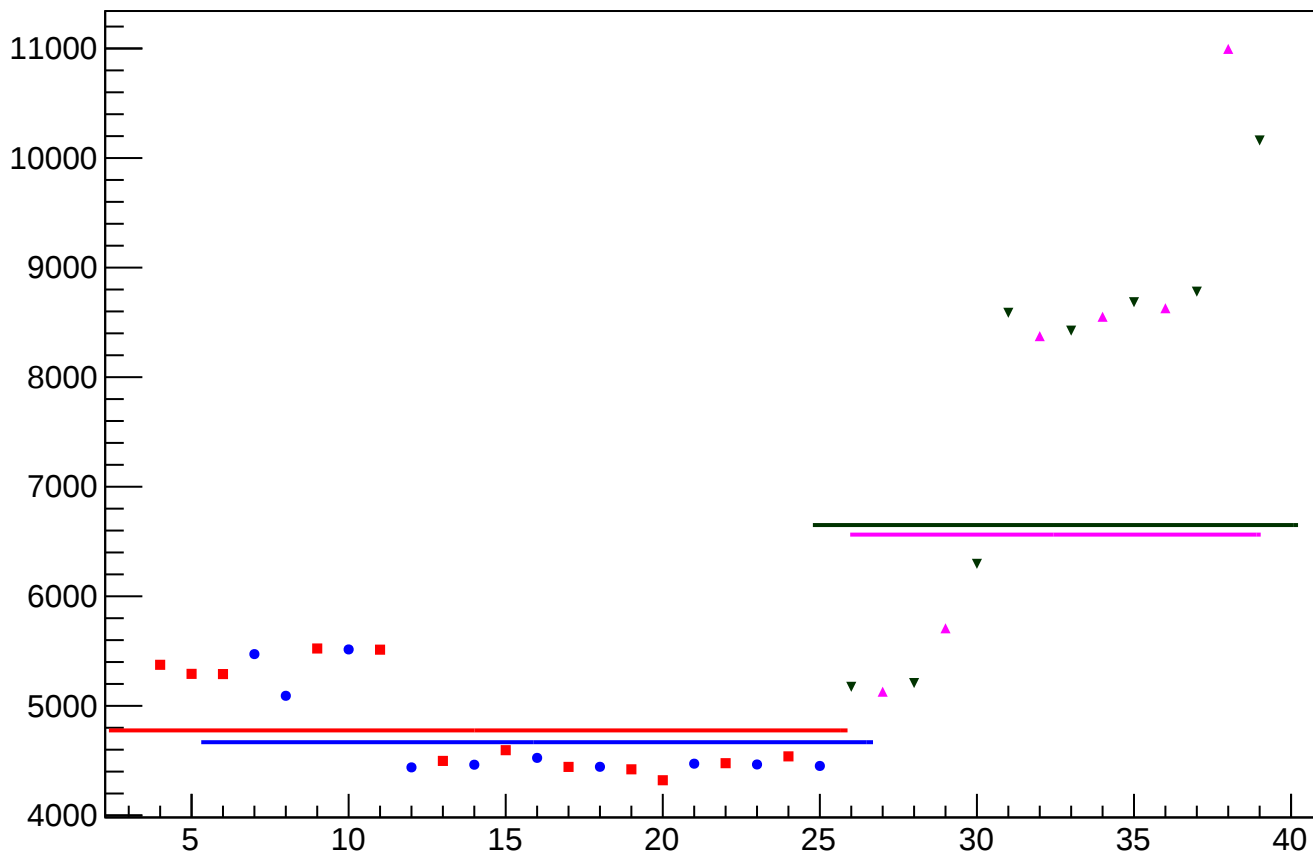
Right Out: 26.988 ± 1.893 $\chi^2/\text{NDF}: 68.1/11$

Left In: -3.800 ± 3.349 $\chi^2/\text{NDF}: 5.3/5$

-25.818 ± 1.607 $\chi^2/\text{NDF}: 333.4/17$

19.535 ± 1.648 $\chi^2/\text{NDF}: 137.4/17$

diff_bpm0l01X_rms vs slug



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

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

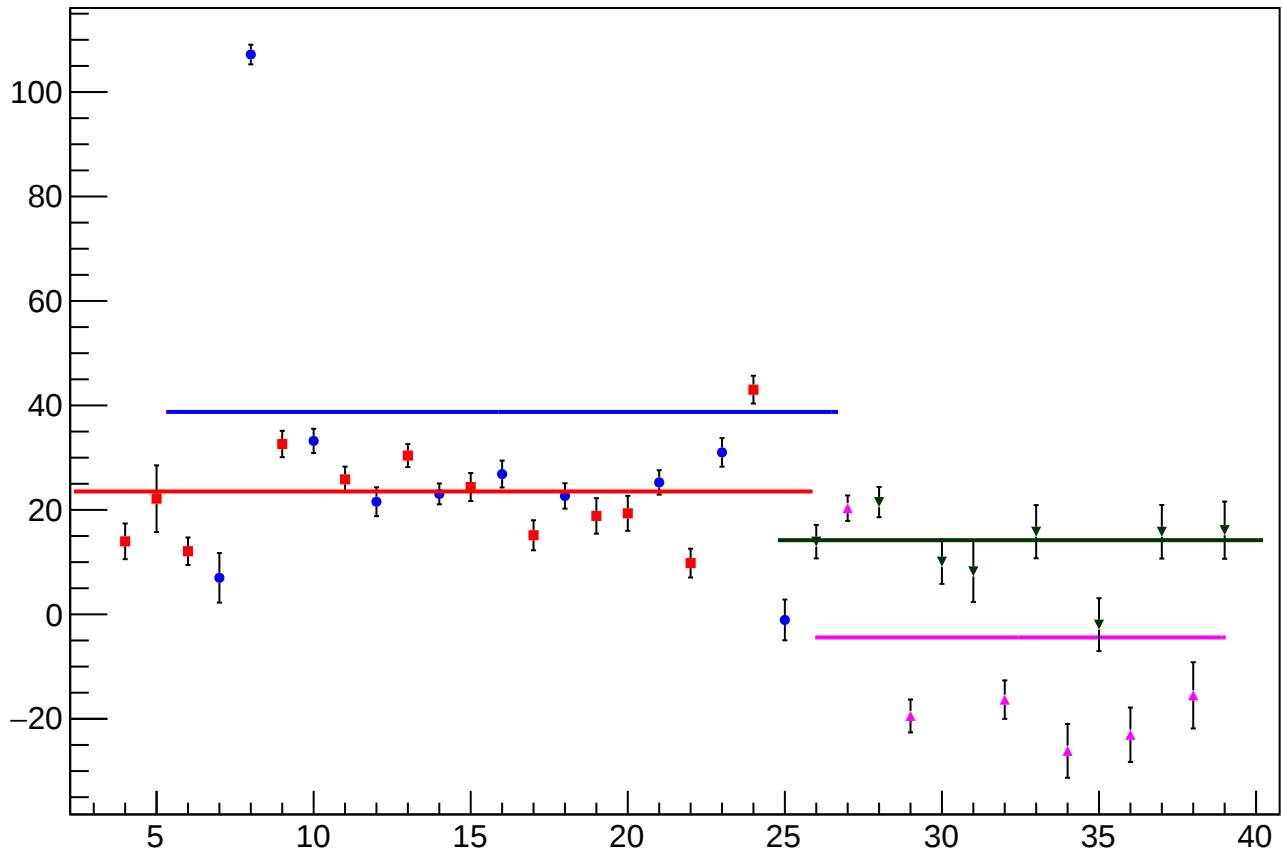
Right Out: 4775.916+/-1.339 χ^2/NDF : 111352.4/11

Left In: 6562.975+/-2.368 χ^2/NDF : 531253.1/5

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

5208.536+/-1.165 χ^2/NDF : 1074119.1/17

diff_bpm0l01Y_mean vs slug



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

Left Out: 14.201 $\pm$ 1.490 χ^2 /NDF:18.9/7

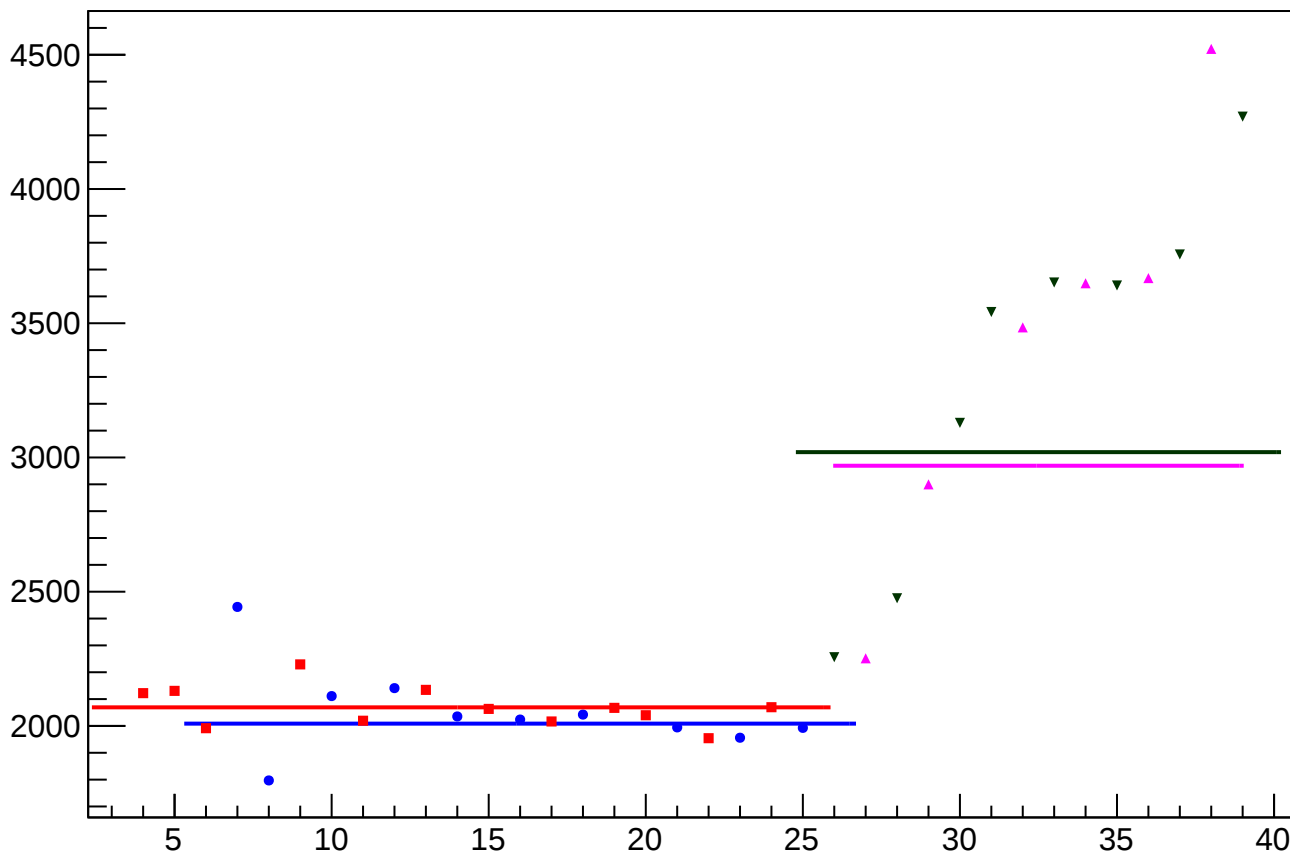
Right Out: 23.530 $\pm$ 0.818 χ^2 /NDF: 140.9/11

Left In: -4.416 $\pm$ 1.503 χ^2 /NDF:170.1/5

33.352 $\pm$ 0.699 χ^2 /NDF: 1911.2/17

17.141 $\pm$ 0.719 χ^2 /NDF: 577.5/17

diff_bpm0l01Y_rms vs slug



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

Left Out: 3019.876+/-1.054 χ^2/NDF : 407919.6/7

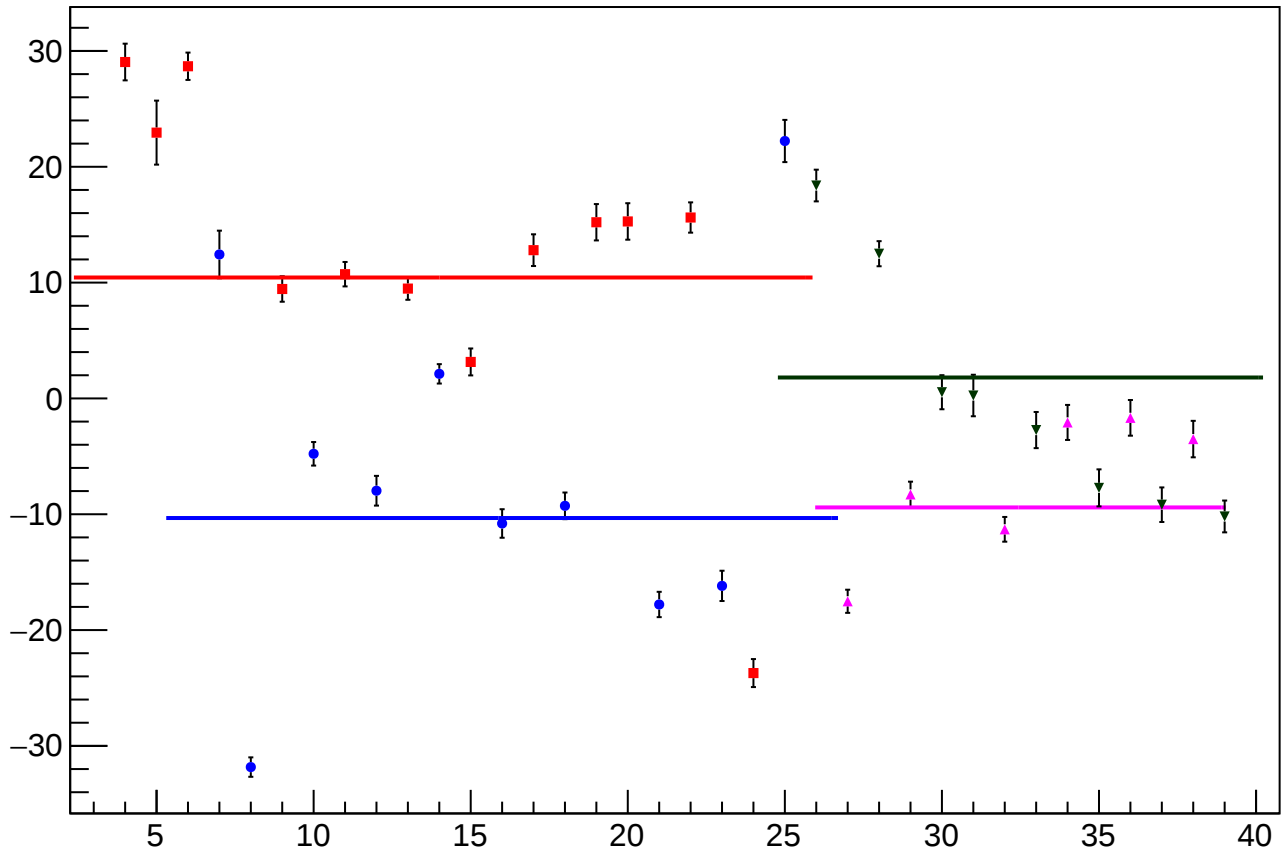
Right Out: 2069.229+/-0.579 χ^2/NDF : 17317.7/11

Left In: 2969.221+/-1.063 χ^2/NDF : 404328.7/5

2231.168+/-0.494 χ^2/NDF : 1178418.8/17

2274.986+/-0.508 χ^2/NDF : 974522.2/17

diff_bpm2i01X_mean vs slug



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

Left Out: 1.807 ± 0.504 $\chi^2/\text{NDF}: 419.9/7$

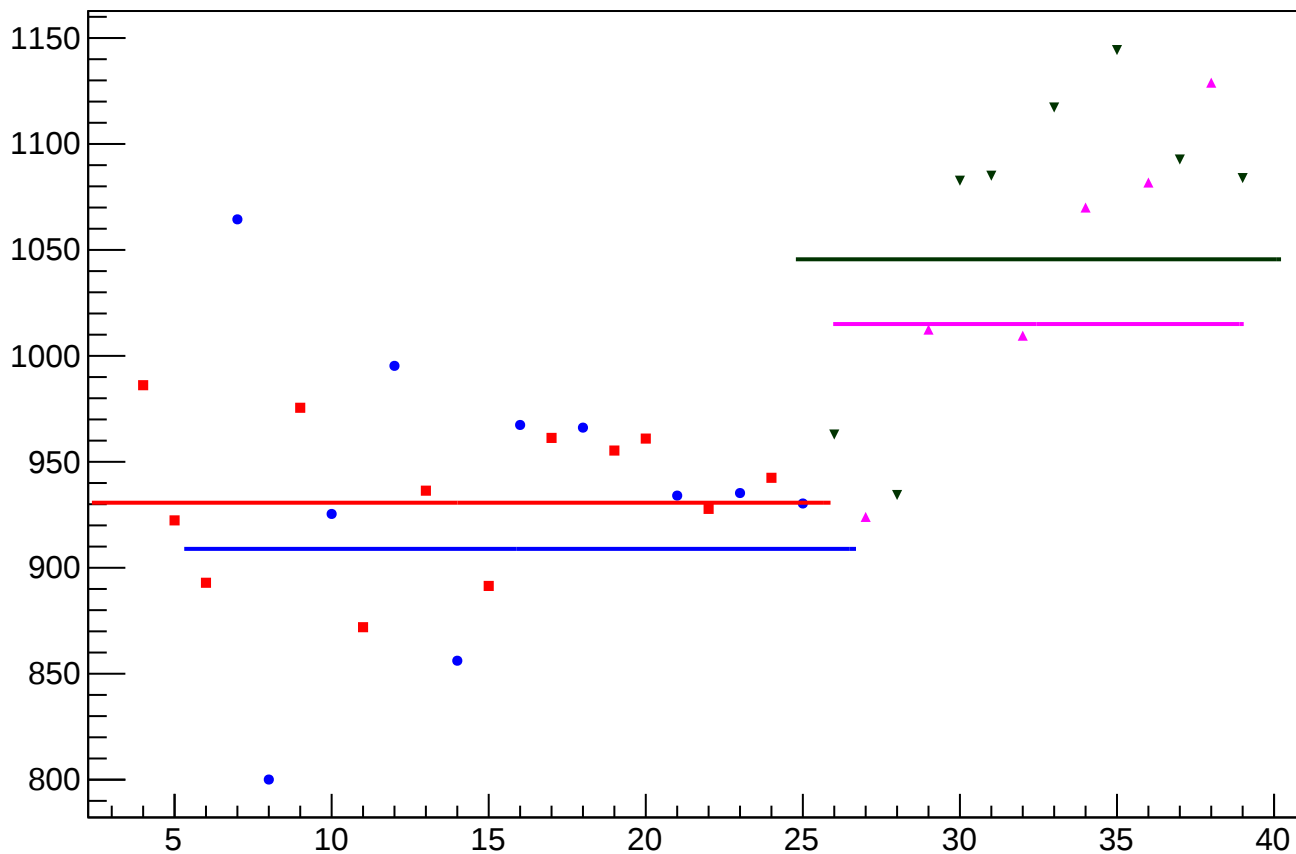
Right Out: 10.440 ± 0.368 $\chi^2/\text{NDF}: 1273.2/11$

Left In: -9.411 ± 0.502 $\chi^2/\text{NDF}: 132.7/5$

-6.253 ± 0.292 $\chi^2/\text{NDF}: 2225.5/17$

3.510 ± 0.297 $\chi^2/\text{NDF}: 2423.0/17$

diff_bpm2i01X_rms vs slug



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

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

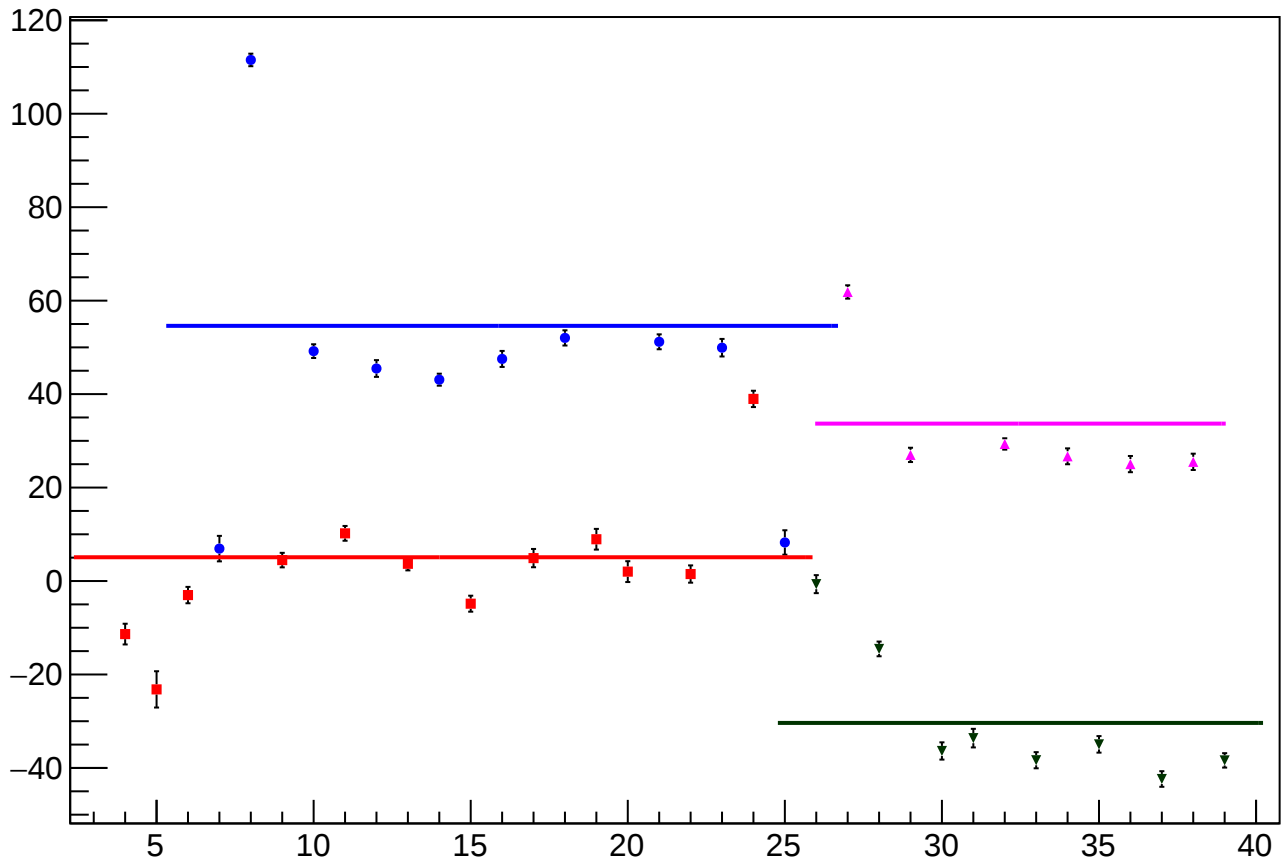
Right Out: 930.706+/-0.260 χ^2/NDF : 18818.7/11

Left In: 1015.023+/-0.355 χ^2/NDF : 33525.3/5

954.794+/-0.206 χ^2/NDF : 217983.5/17

960.143+/-0.210 χ^2/NDF : 89038.6/17

diff_bpm2i01Y_mean vs slug



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

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

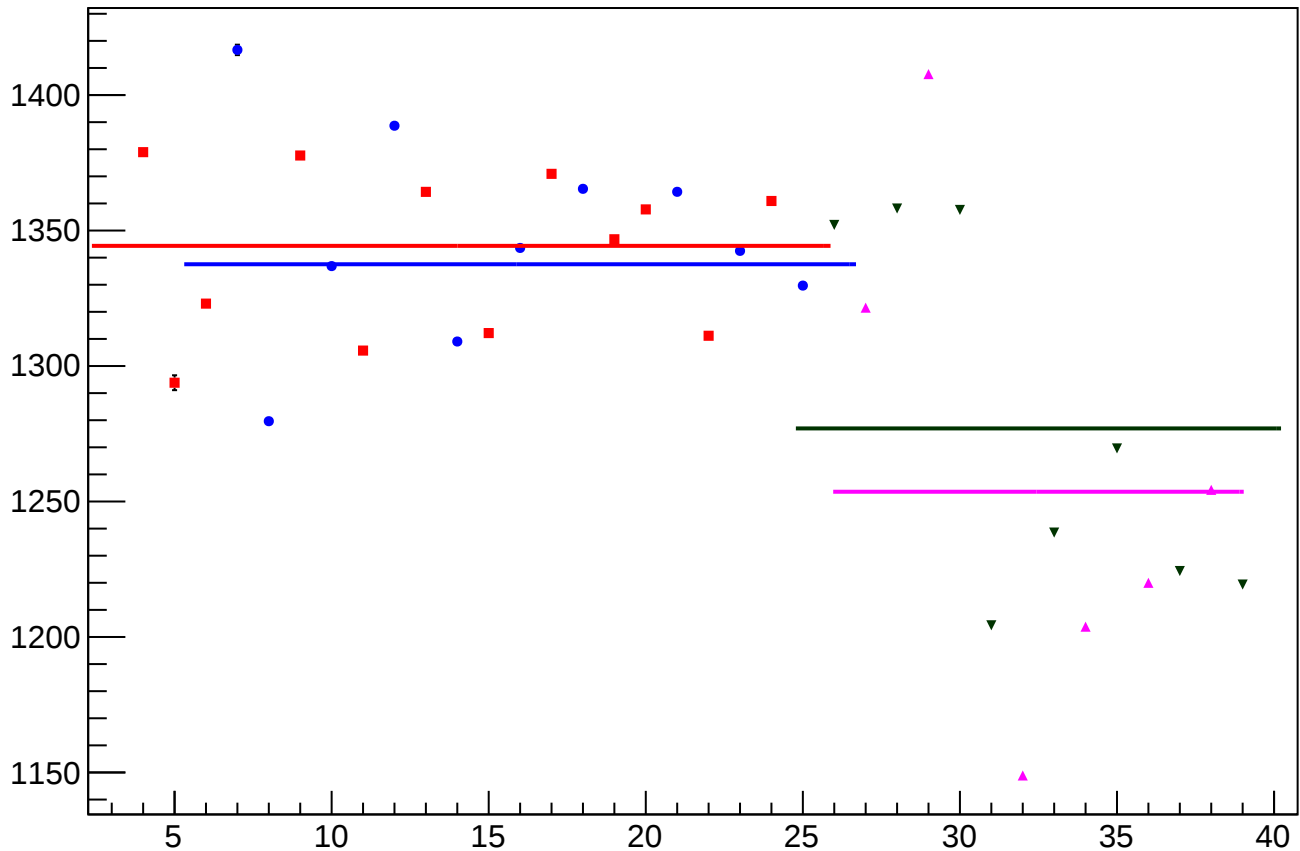
Right Out: 5.087 $\pm$ 0.532 χ^2 /NDF: 559.1/11

Left In: 33.685 $\pm$ 0.620 χ^2 /NDF: 484.4/5

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

17.206 $\pm$ 0.404 χ^2 /NDF: 2269.5/17

diff_bpm2i01Y_rms vs slug



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

Left Out: 1276.972+/-0.434 χ^2/NDF : 20637.2/7

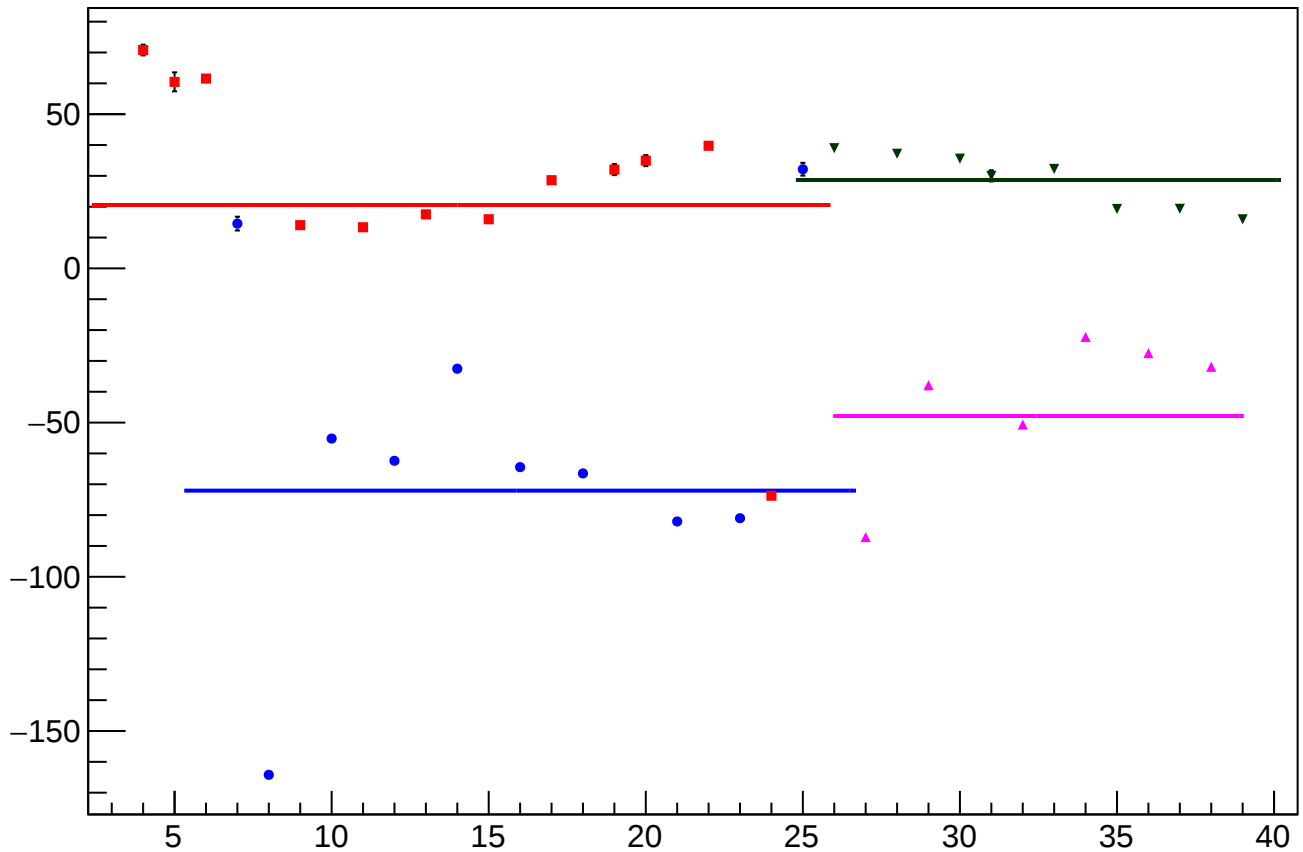
Right Out: 1344.349+/-0.376 χ^2/NDF : 5607.5/11

Left In: 1253.602+/-0.438 χ^2/NDF : 42168.2/5

1311.912+/-0.283 χ^2/NDF : 41090.2/17

1305.894+/-0.285 χ^2/NDF : 72465.5/17

diff_bpm2i02X_mean vs slug



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

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

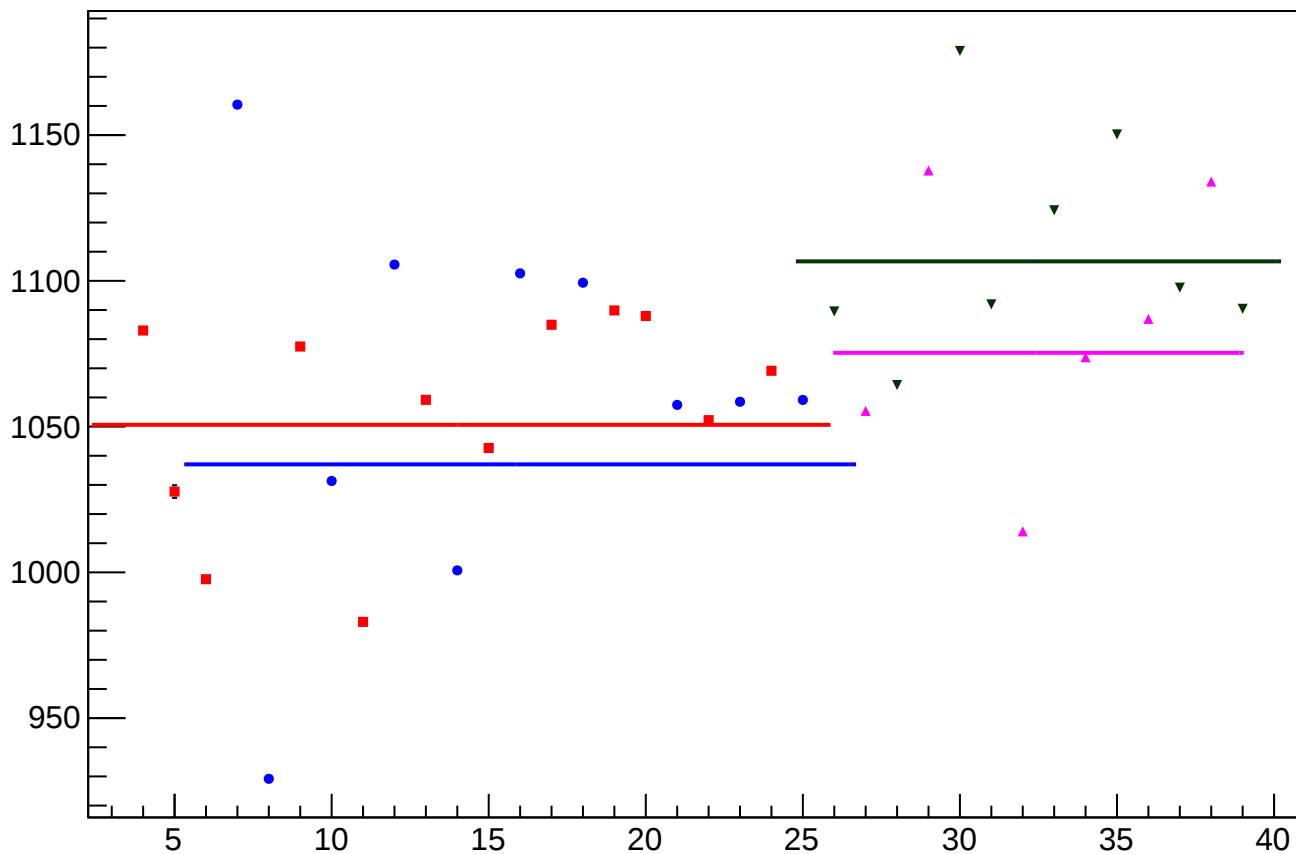
Right Out: 20.554 $\pm$ 0.415 χ^2 /NDF: 7076.4/11

Left In: -47.874 $\pm$ 0.531 χ^2 /NDF: 1817.1/5

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

-5.382 $\pm$ 0.327 χ^2 /NDF: 19195.3/17

diff_bpm2i02X_rms vs slug



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

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

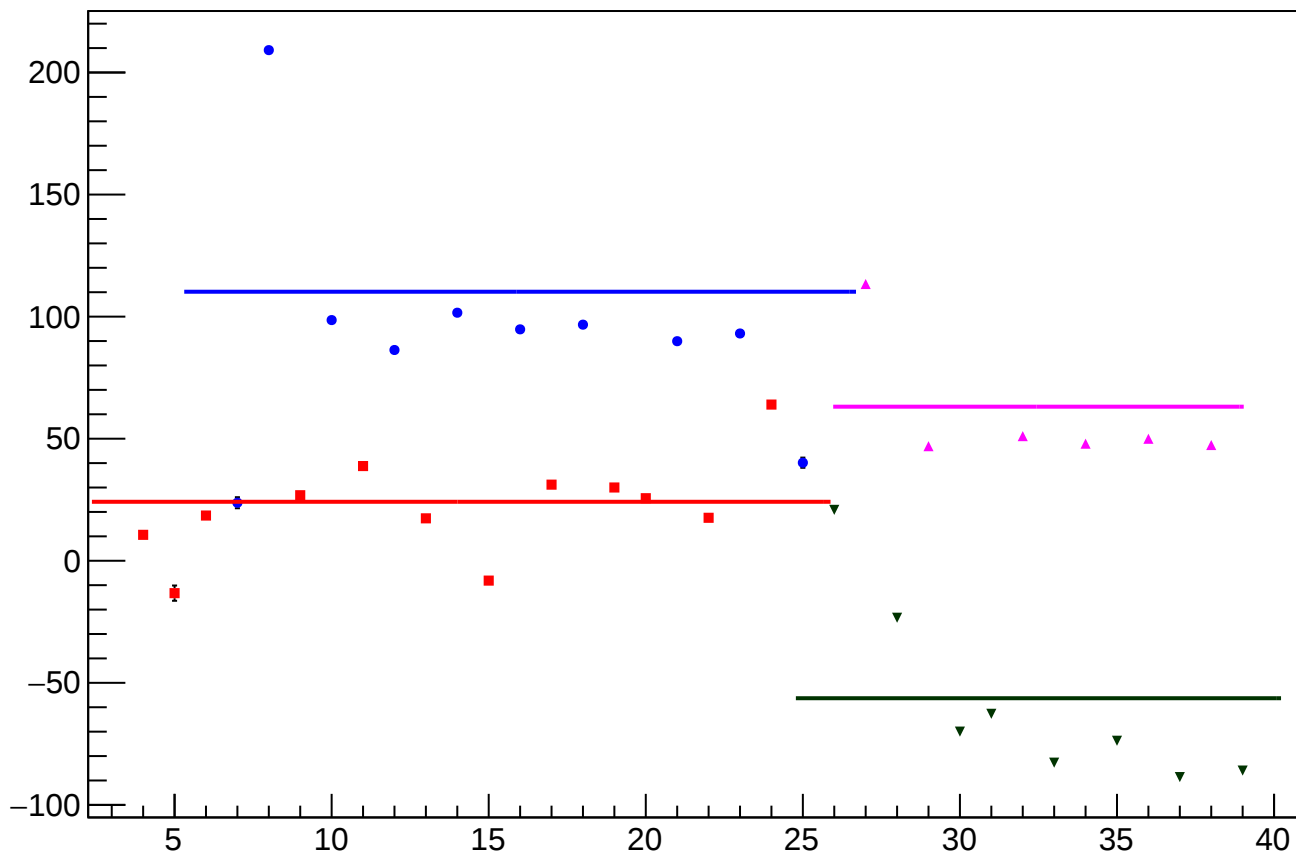
Right Out: 1050.613 $\pm$ 0.293 χ^2 /NDF: 14851.7/11

Left In: 1075.315 $\pm$ 0.376 χ^2 /NDF:15124.8/5

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

1059.975 $\pm$ 0.231 χ^2 /NDF: 32661.5/17

diff_bpm2i02Y_mean vs slug



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

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

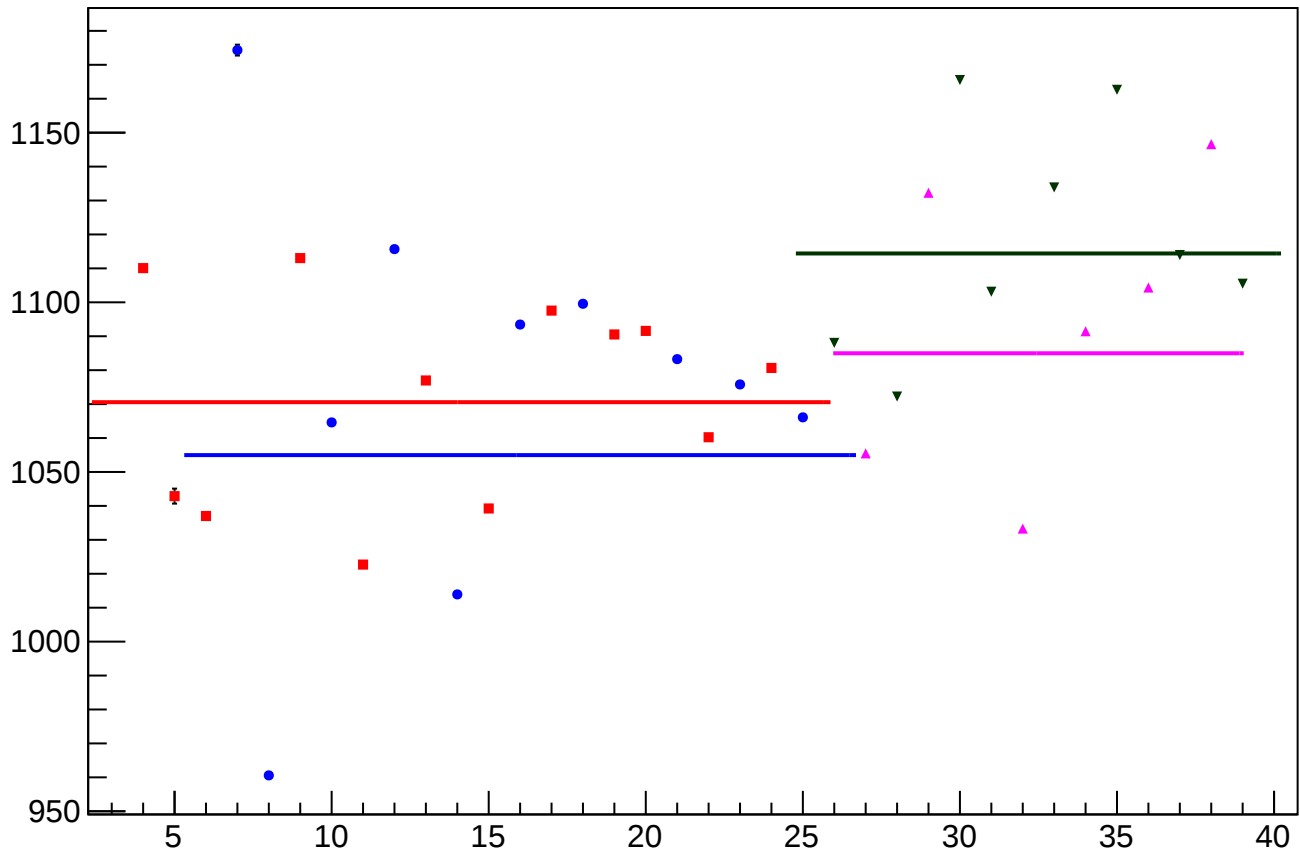
Right Out: 24.160 $\pm$ 0.423 χ^2 /NDF: 1842.7/11

Left In: 63.112 $\pm$ 0.536 χ^2 /NDF: 2499.0/5

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

39.117 $\pm$ 0.332 χ^2 /NDF: 7598.2/17

diff_bpm2i02Y_rms vs slug



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

Left Out: 1114.397+/-0.379 χ^2/NDF : 7199.7/7

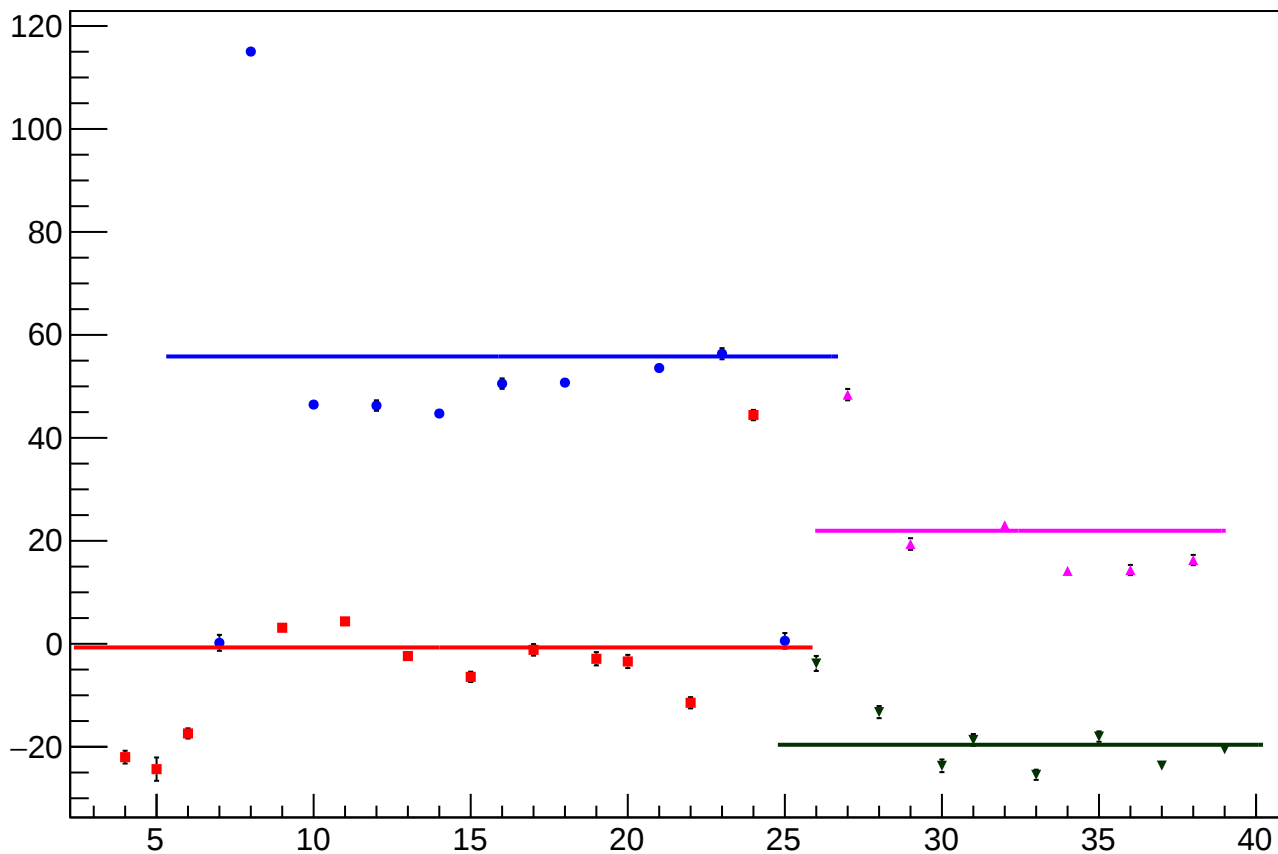
Right Out: 1070.566+/-0.299 χ^2/NDF : 10075.5/11

Left In: 1084.984+/-0.379 χ^2/NDF : 12085.3/5

1077.270+/-0.232 χ^2/NDF : 58128.0/17

1076.103+/-0.235 χ^2/NDF : 23053.1/17

diff_bpm1i04X_mean vs slug



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

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

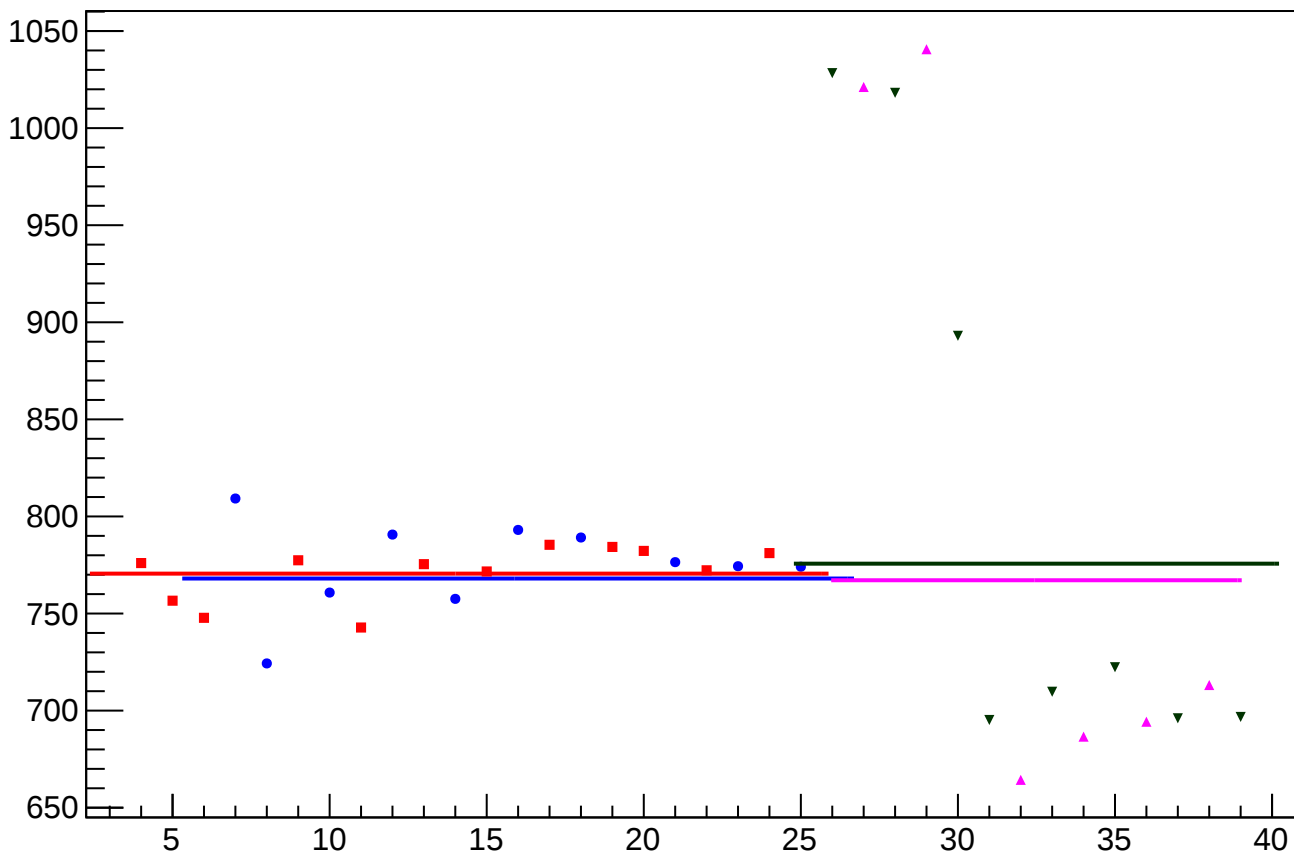
Right Out: -0.705 $\pm$ 0.304 χ^2 /NDF: 2908.1/11

Left In: 21.958 $\pm$ 0.385 χ^2 /NDF: 740.2/5

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

8.000 $\pm$ 0.239 χ^2 /NDF: 5781.0/17

diff_bpm1i04X_rms vs slug



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

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

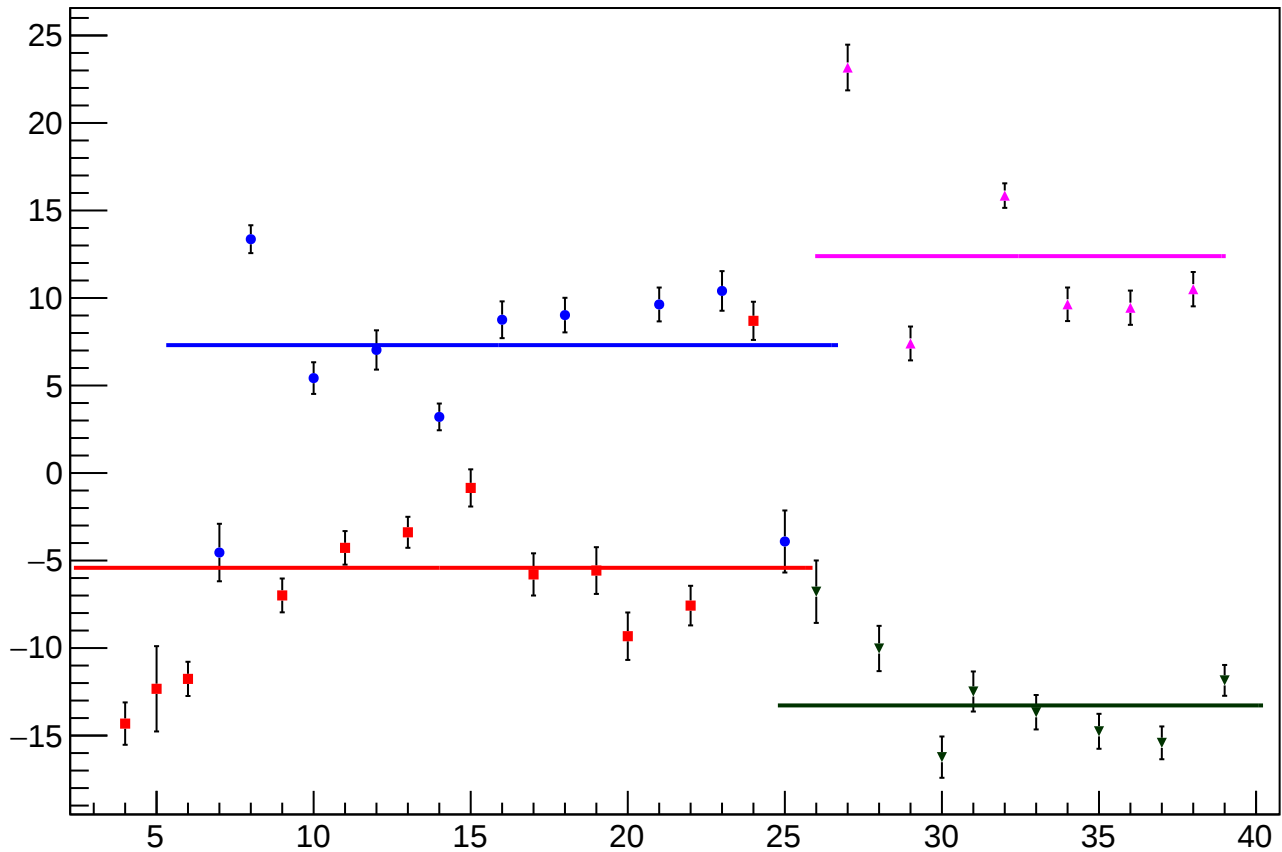
Right Out: 770.550+/-0.215 χ^2/NDF : 4259.5/11

Left In: 767.139+/-0.272 χ^2/NDF : 297112.0/5

771.007+/-0.167 χ^2/NDF : 229895.7/17

769.239+/-0.169 χ^2/NDF : 301468.1/17

diff_bpm1i04Y_mean vs slug



Right In: 7.307 $\pm$ 0.320 χ^2/NDF : 201.3/9

Left Out: -13.278 $\pm$ 0.382 χ^2/NDF : 36.5/7

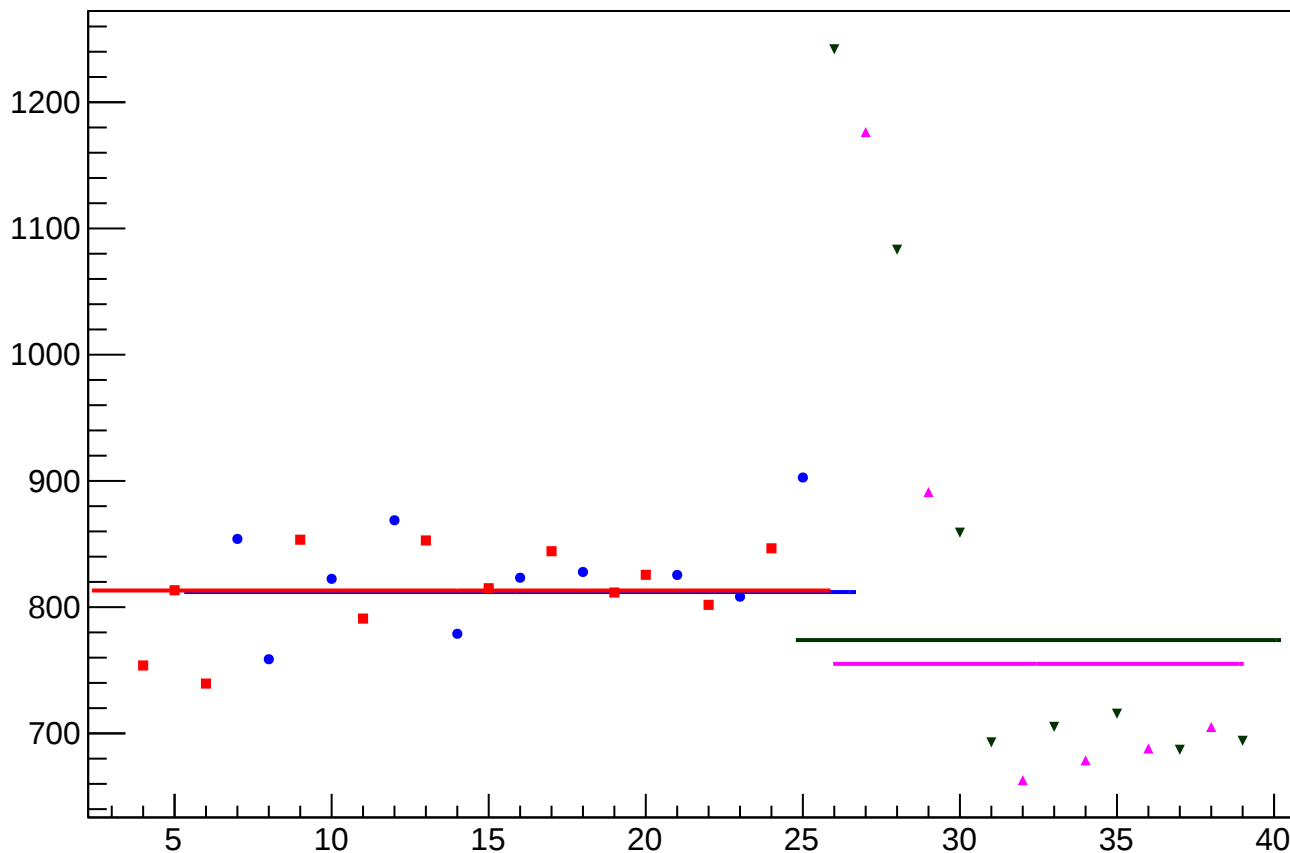
Right Out: -5.416 $\pm$ 0.322 χ^2/NDF : 311.5/11

Left In: 12.392 $\pm$ 0.382 χ^2/NDF : 140.1/5

-1.179 $\pm$ 0.245 χ^2/NDF : 1945.6/17

1.995 $\pm$ 0.246 χ^2/NDF : 1722.4/17

diff_bpm1i04Y_rms vs slug



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

Left Out: 773.927+/-0.270 χ^2/NDF :322650.0/7

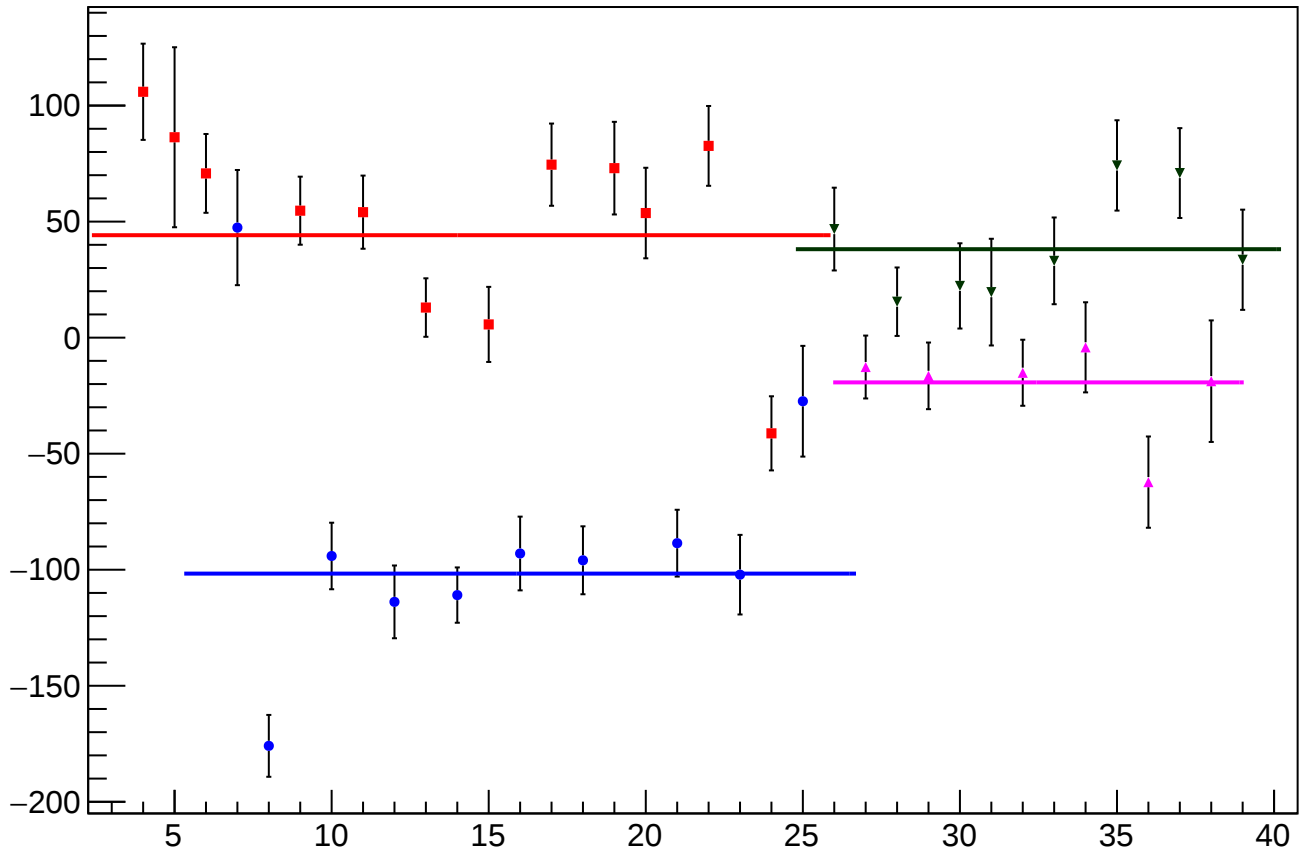
Right Out: 813.189+/-0.228 χ^2/NDF : 28331.0/11

Left In: 755.084+/-0.270 χ^2/NDF :309773.4/5

796.289+/-0.173 χ^2/NDF : 360112.8/17

789.009+/-0.174 χ^2/NDF : 365162.6/17

diff_bpm0l02X_mean vs slug



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

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

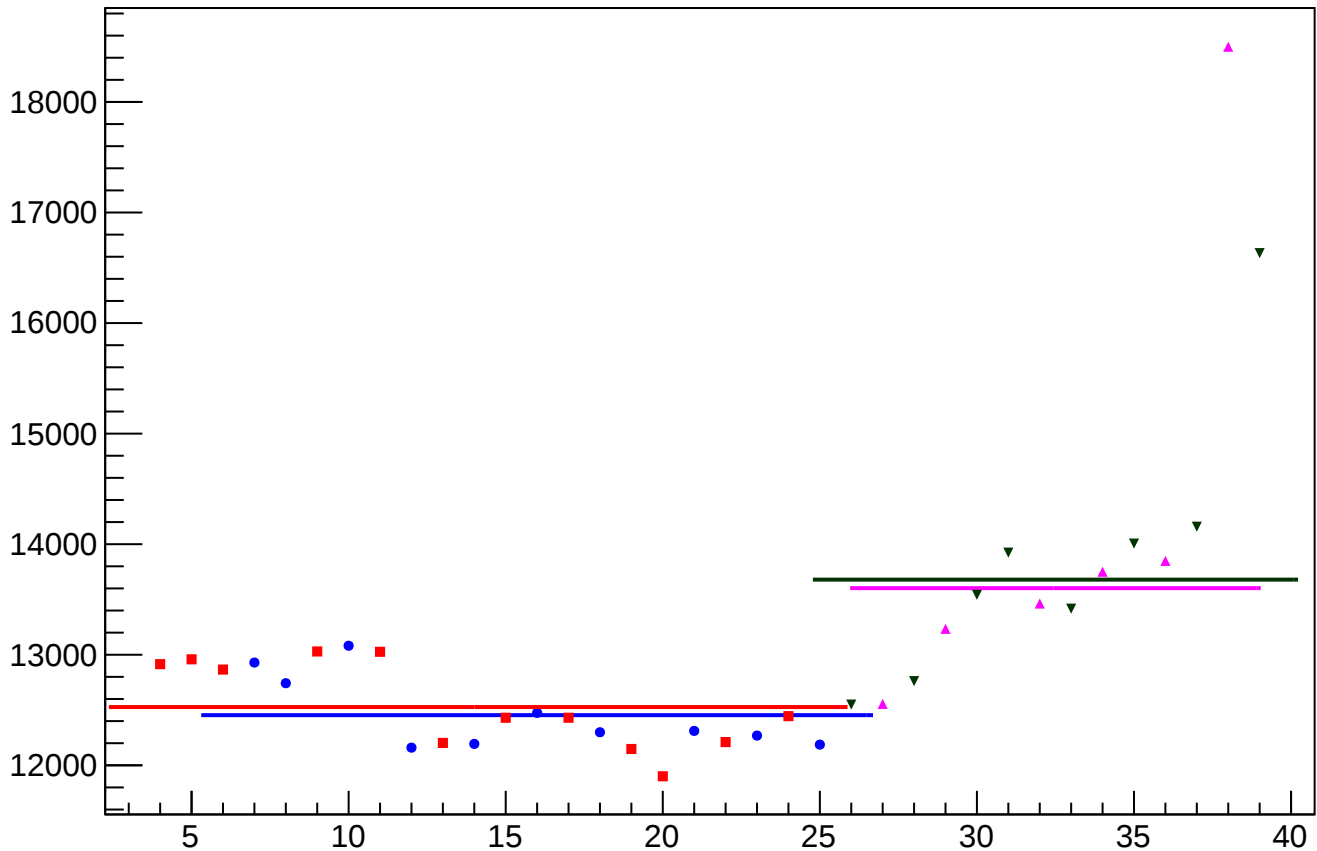
Right Out: 44.144 $\pm$ 4.946 χ^2 /NDF: 64.1/11

Left In: -19.281 $\pm$ 6.752 χ^2 /NDF:5.7/5

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

21.998 $\pm$ 3.990 χ^2 /NDF: 127.2/17

diff_bpm0l02X_rms vs slug



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

Left Out: 13679.581+/-4.671 χ^2/NDF : 55715.8/7

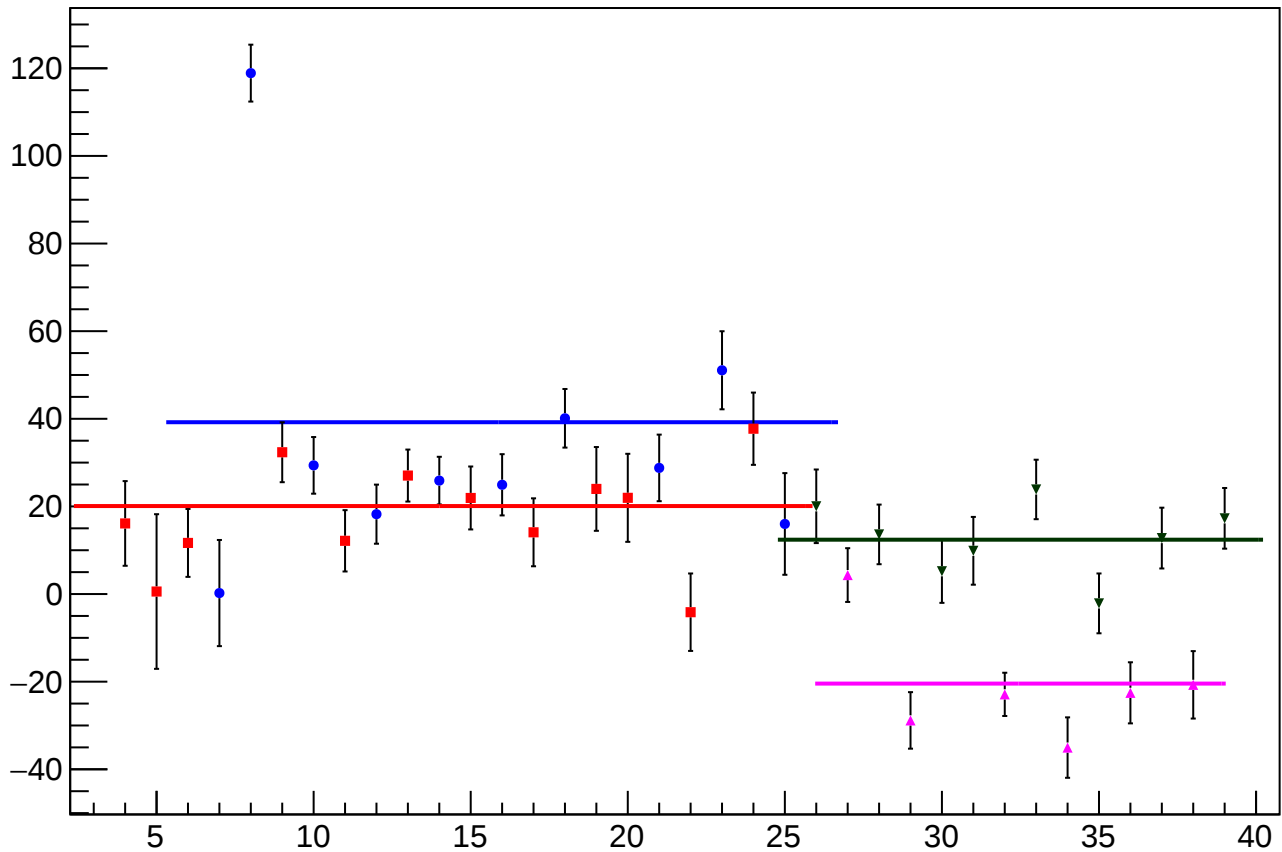
12887.499+/-2.779 χ^2/NDF : 108284.8/17

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

12902.562+/-2.821 χ^2/NDF : 127914.6/17

Left In: 13602.465+/-4.774 χ^2/NDF : 83816.0/5

diff_bpm0l02Y_mean vs slug



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

Left Out: 12.405 $\pm$ 2.528 χ^2 /NDF: 9.8/7

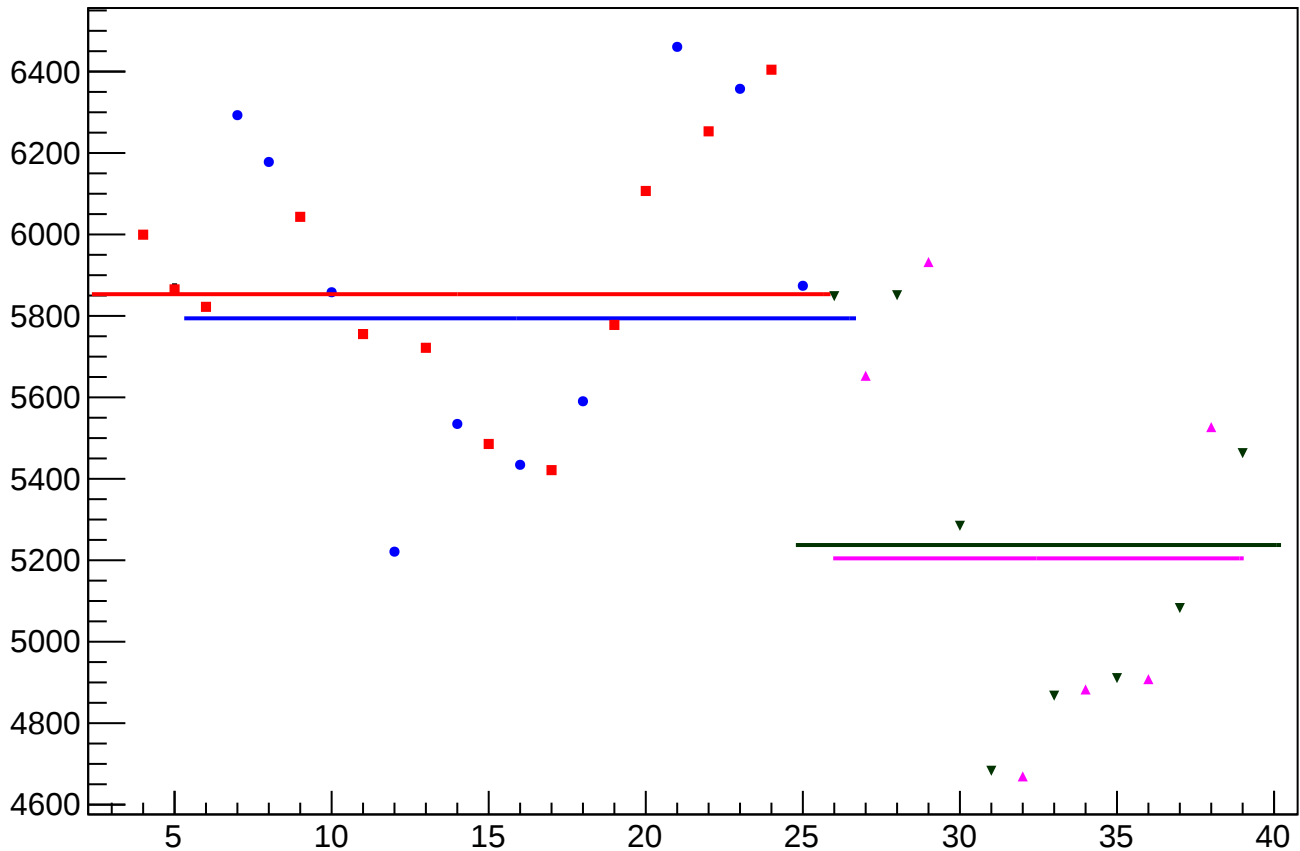
Right Out: 20.083 $\pm$ 2.324 χ^2 /NDF: 21.4/11

Left In: -20.440 $\pm$ 2.581 χ^2 /NDF: 22.8/5

27.124 $\pm$ 1.698 χ^2 /NDF: 262.4/17

1.939 $\pm$ 1.727 χ^2 /NDF: 180.4/17

diff_bpm0l02Y_rms vs slug



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

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

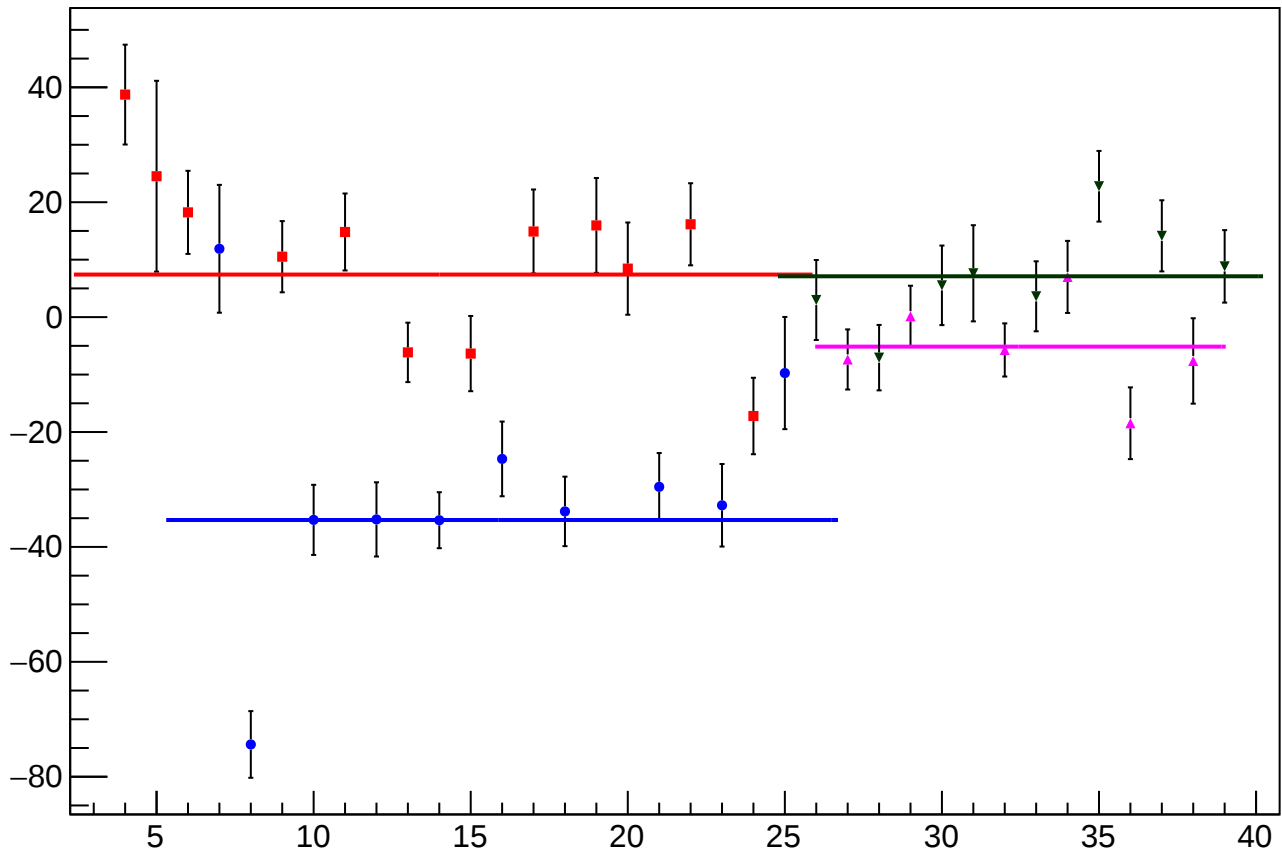
Right Out: 5853.344+/-1.643 χ^2/NDF : 29282.6/11

Left In: 5204.687+/-1.825 χ^2/NDF : 71128.5/5

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

5562.907+/-1.221 χ^2/NDF : 170172.1/17

diff_bpm0l03X_mean vs slug



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

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

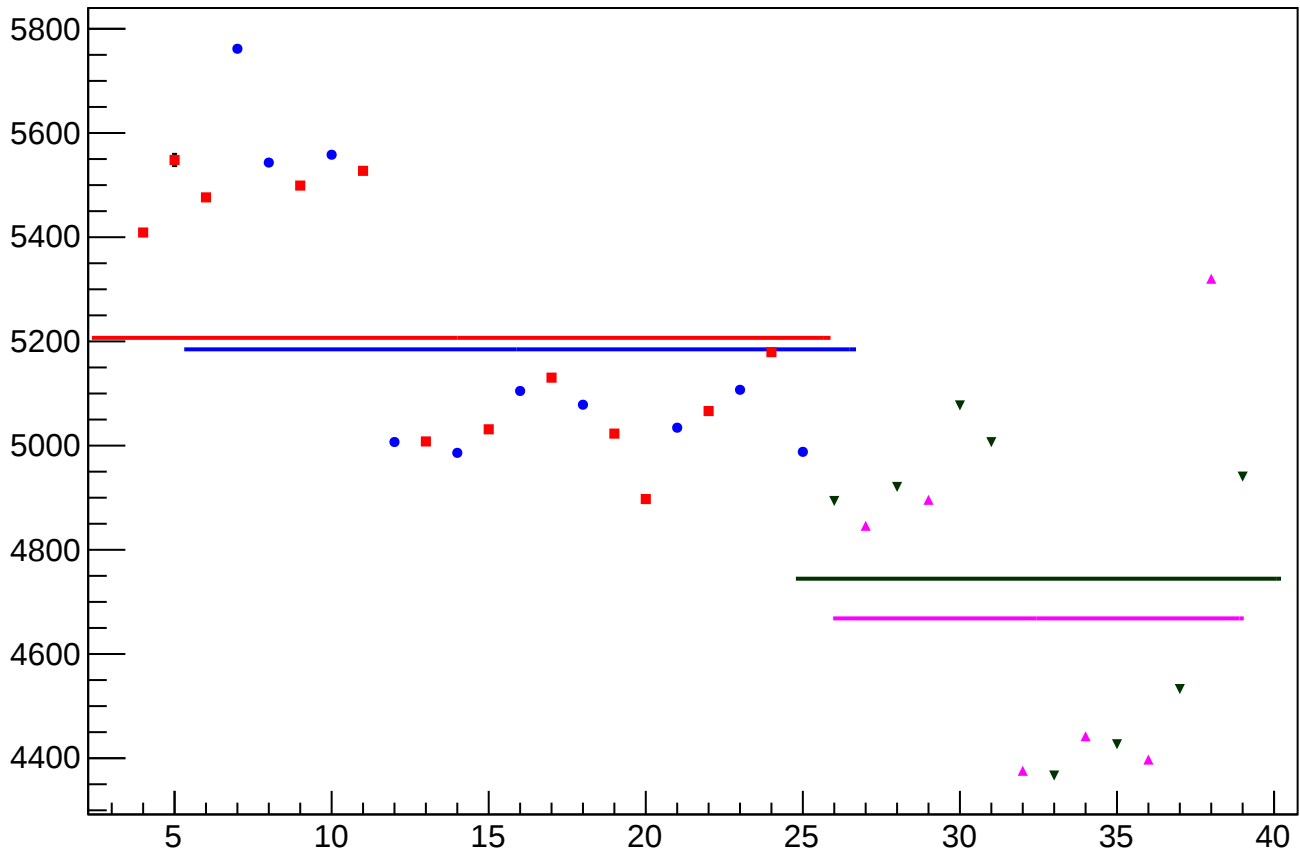
Right Out: 7.409 ± 2.058 χ^2/NDF : 46.4/11

Left In: -5.137 ± 2.307 χ^2/NDF : 9.6/5

-16.523 ± 1.522 χ^2/NDF : 280.5/17

1.850 ± 1.536 χ^2/NDF : 72.5/17

diff_bpm0l03X_rms vs slug



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

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

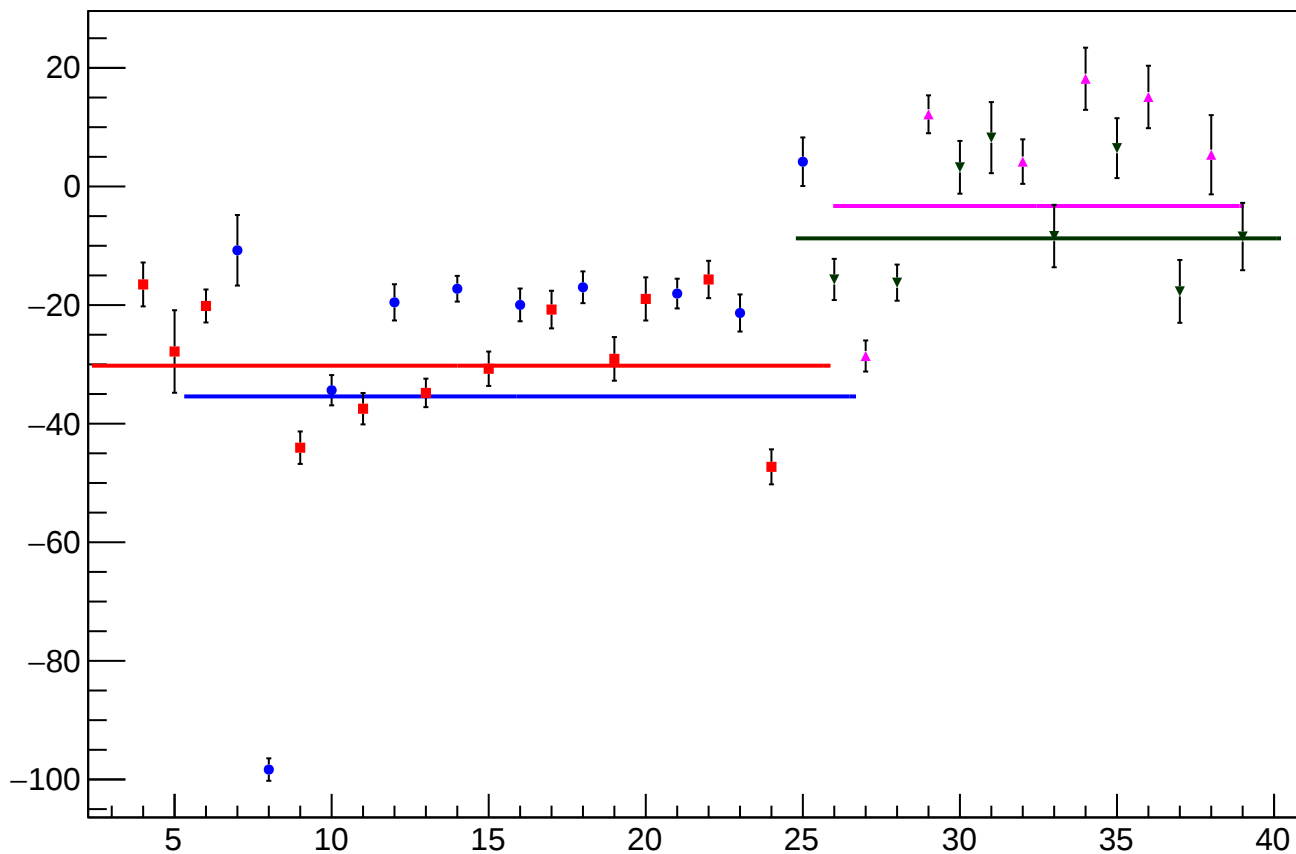
Right Out: 5206.838+/-1.455 χ^2/NDF : 23121.5/11

Left In: 4668.369+/-1.631 χ^2/NDF : 35735.6/5

4989.763+/-1.076 χ^2/NDF : 96611.3/17

4968.237+/-1.086 χ^2/NDF : 119529.7/17

diff_bpm0l03Y_mean vs slug



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

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

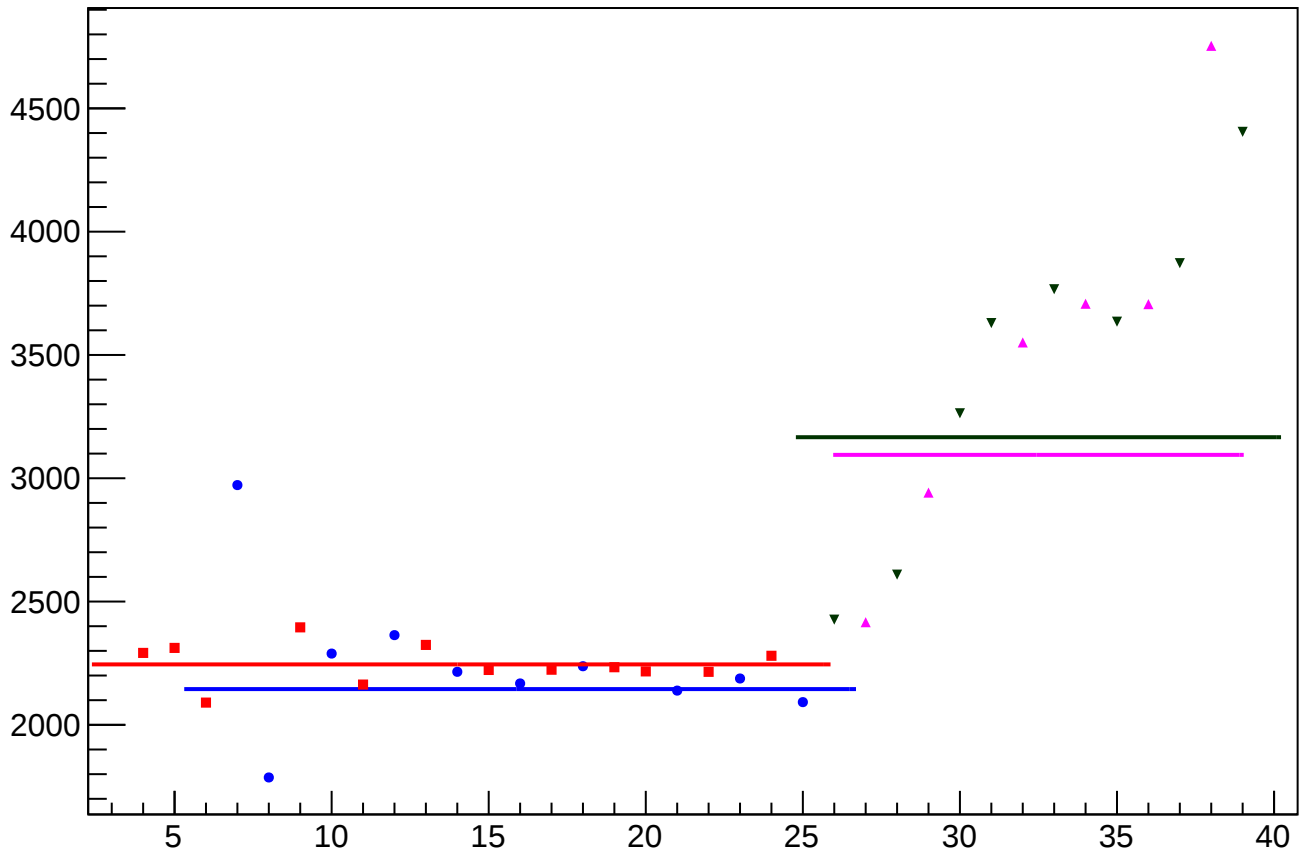
Right Out: -30.222 $\pm$ 0.893 χ^2 /NDF: 136.9/11

Left In: -3.292 $\pm$ 1.563 χ^2 /NDF: 151.2/5

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

-23.599 $\pm$ 0.775 χ^2 /NDF: 512.0/17

diff_bpm0l03Y_rms vs slug



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

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

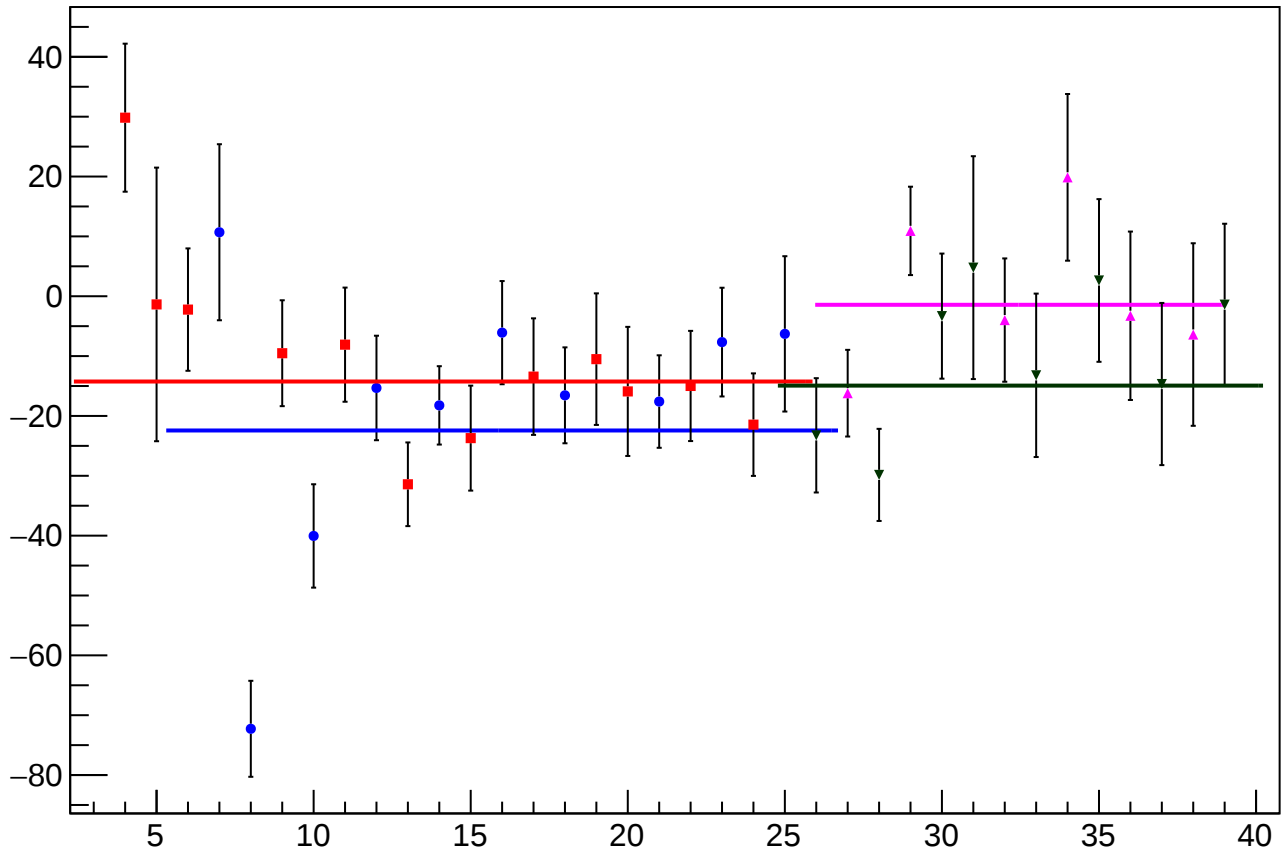
Right Out: 2245.118+/-0.631 χ^2/NDF : 17612.9/11

Left In: 3094.855+/-1.105 χ^2/NDF : 345755.8/5

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

2454.108+/-0.548 χ^2/NDF : 809199.4/17

diff_bpm0l04X_mean vs slug



Right In: -22.429 ± 2.733 χ^2/NDF : 57.7/9

Left Out: -14.932 ± 4.029 χ^2/NDF : 9.6/7

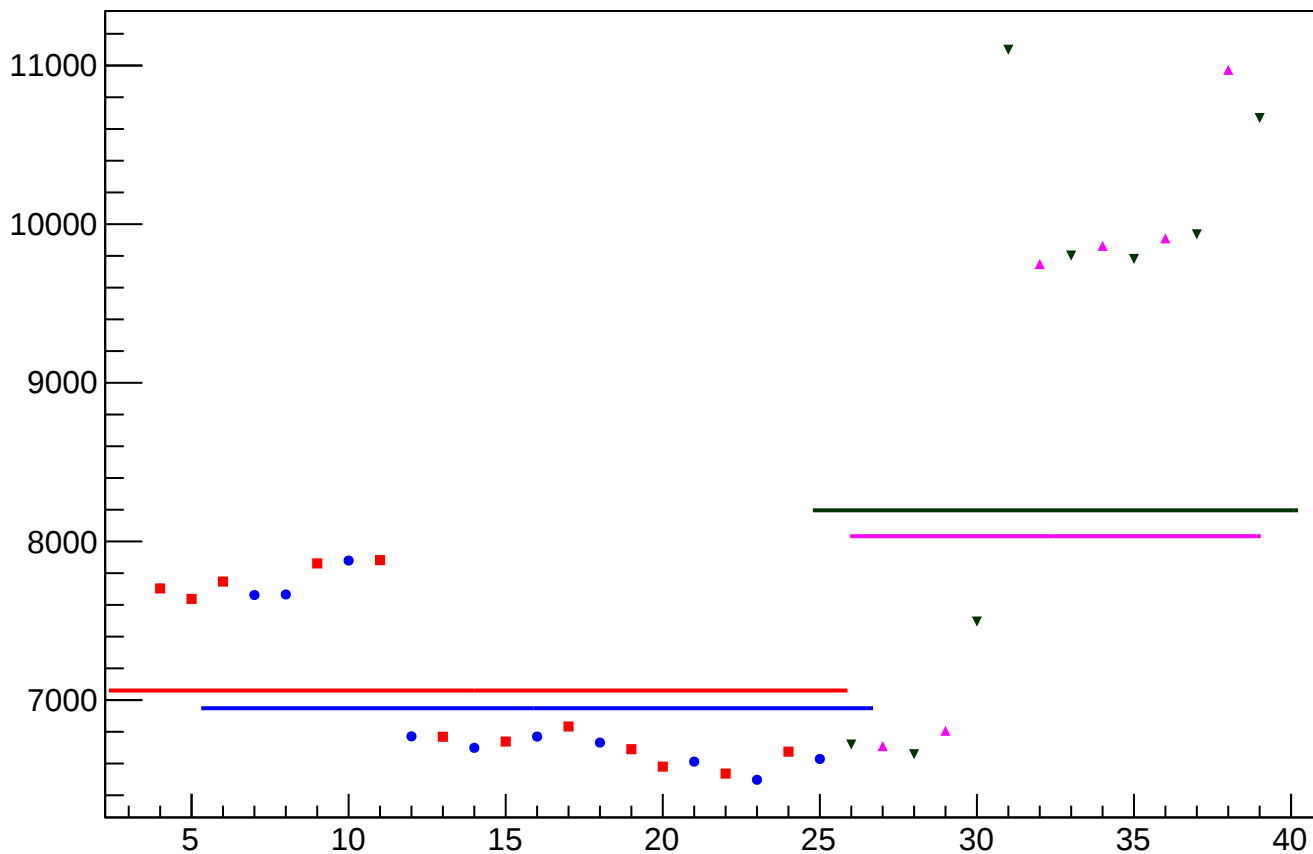
Right Out: -14.248 ± 2.794 χ^2/NDF : 23.2/11

Left In: -1.430 ± 4.037 χ^2/NDF : 9.5/5

-20.066 ± 2.262 χ^2/NDF : 69.6/17

-10.097 ± 2.297 χ^2/NDF : 39.5/17

diff_bpm0l04X_rms vs slug



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

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

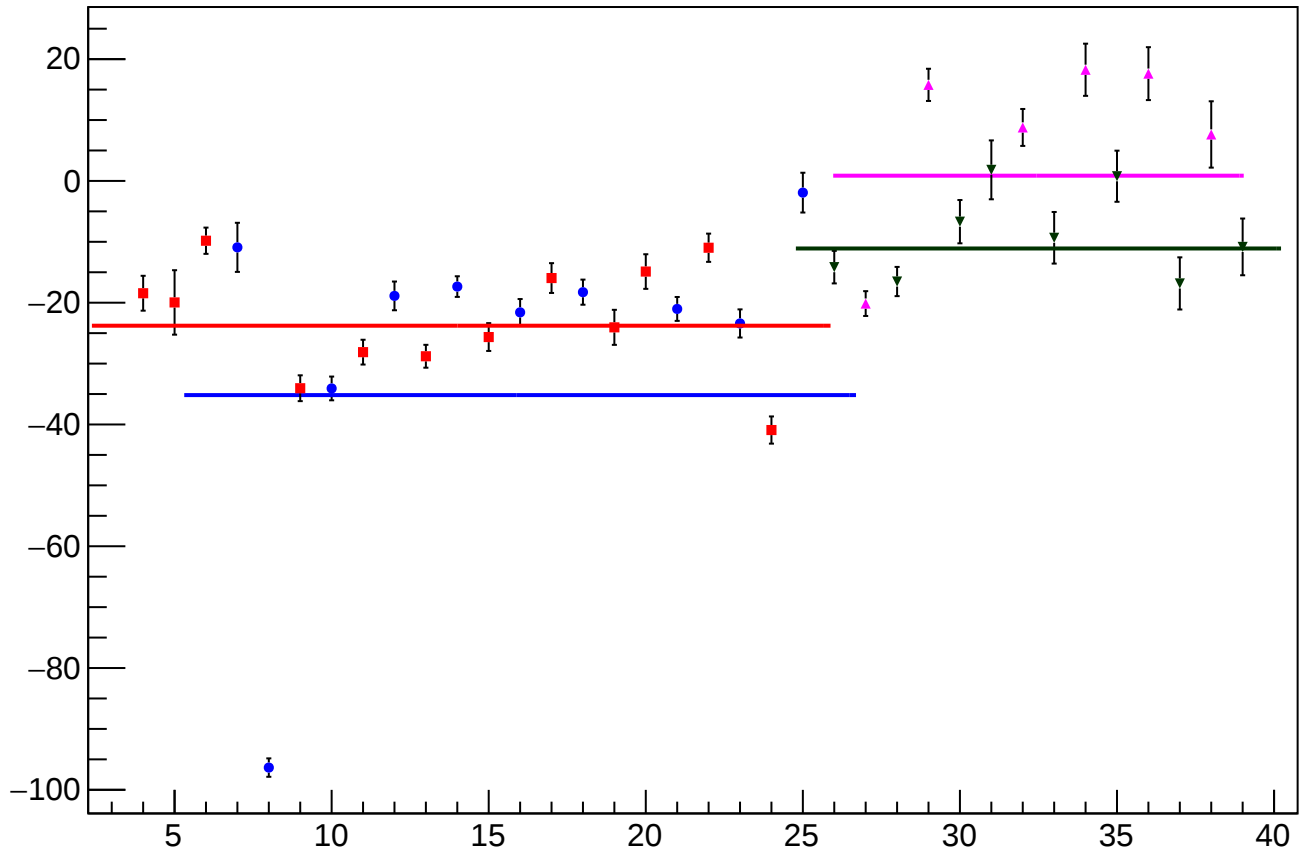
Right Out: 7060.304+/-1.976 χ^2/NDF : 70982.1/11

Left In: 8033.125+/-2.855 χ^2/NDF : 321948.8/5

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

7375.310+/-1.624 χ^2/NDF : 471452.5/17

diff_bpm0l04Y_mean vs slug



Right In: -35.174 $\pm$ 0.663 χ^2 /NDF: 2117.2/9

Left Out: -11.096 $\pm$ 1.242 χ^2 /NDF:25.1/7

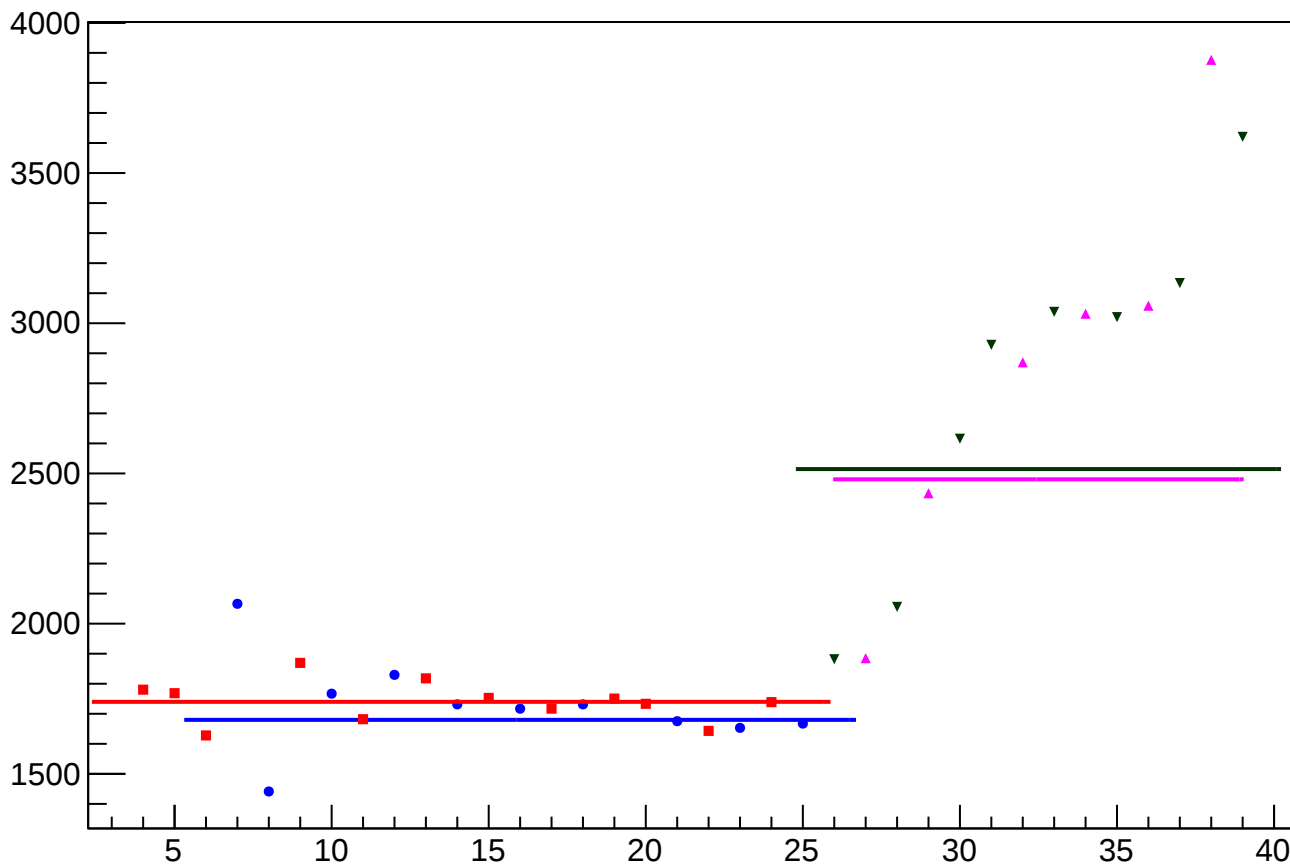
Right Out: -23.778 $\pm$ 0.688 χ^2 /NDF: 191.1/11

Left In: 0.861 $\pm$ 1.256 χ^2 /NDF:177.8/5

-29.832 $\pm$ 0.585 χ^2 /NDF: 2434.8/17

-18.087 $\pm$ 0.604 χ^2 /NDF: 664.8/17

diff_bpm0l04Y_rms vs slug



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

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

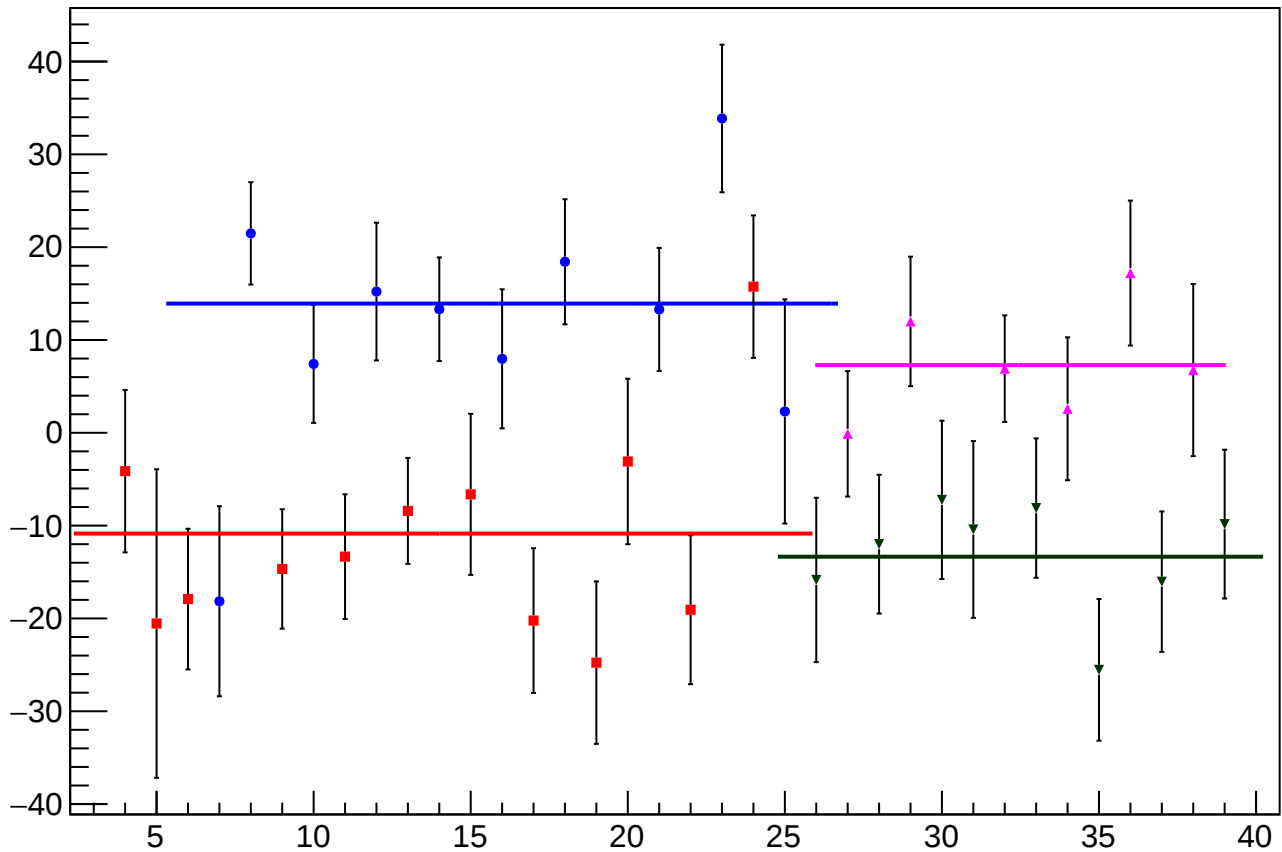
Right Out: 1739.740+/-0.487 χ^2/NDF : 22147.7/11

Left In: 2480.437+/-0.888 χ^2/NDF : 404193.7/5

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

1910.826+/-0.427 χ^2/NDF : 961069.5/17

diff_bpm0l05X_mean vs slug



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

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

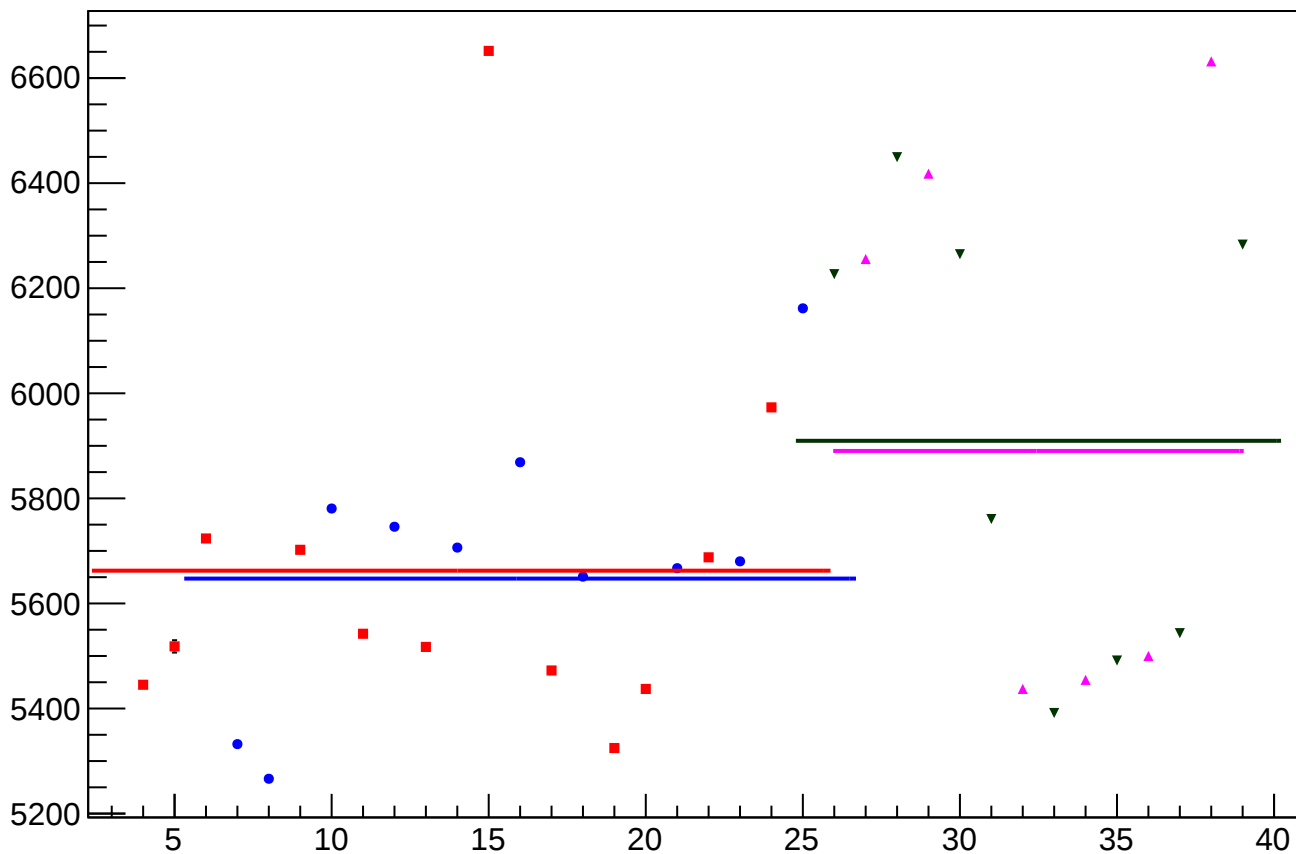
Right Out: -10.857 ± 2.241 $\chi^2/\text{NDF}: 20.5/11$

Left In: 7.294 ± 2.916 $\chi^2/\text{NDF}: 3.6/5$

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

-4.115 ± 1.777 $\chi^2/\text{NDF}: 48.5/17$

diff_bpm0l05X_rms vs slug



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

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

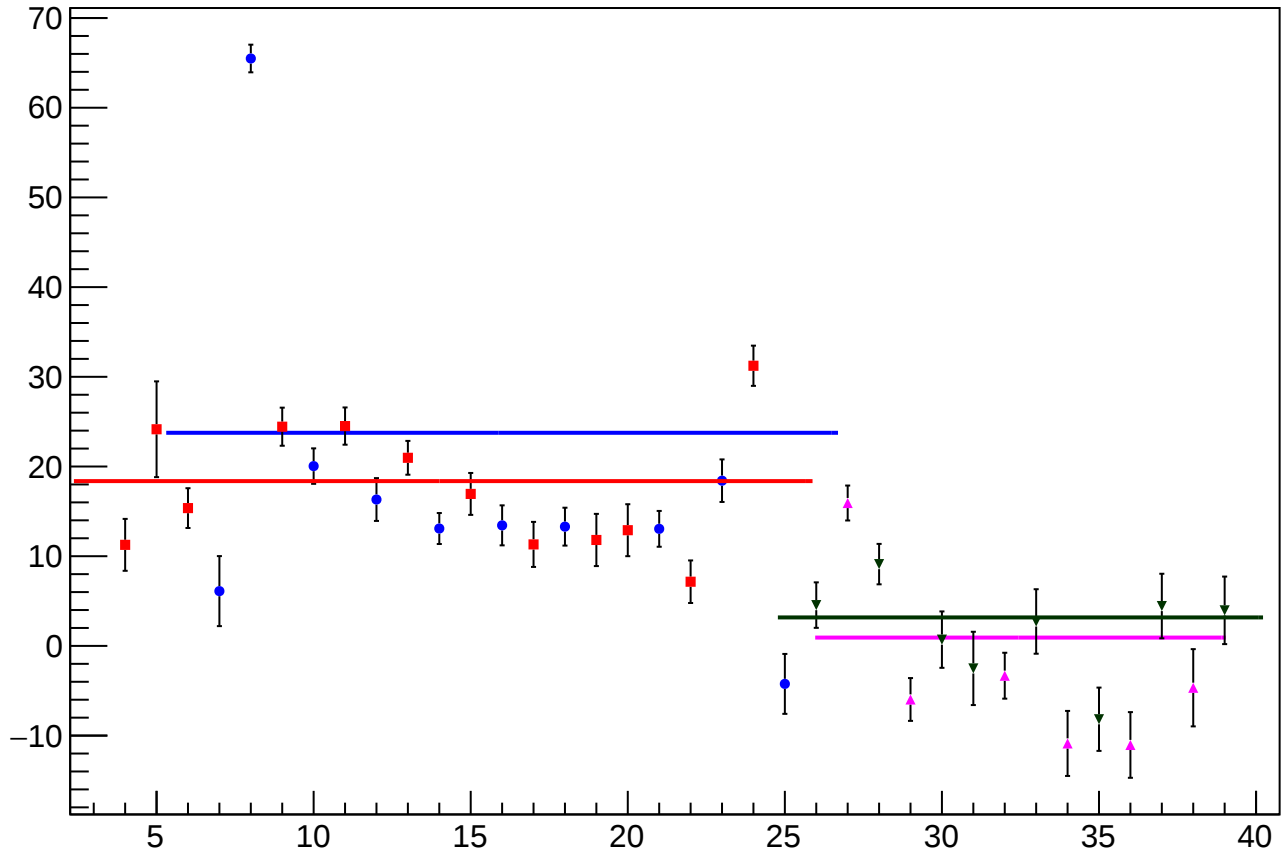
Right Out: 5662.385+/-1.585 χ^2 /NDF: 38277.2/11

Left In: 5890.269+/-2.062 χ^2 /NDF:53905.0/5

5746.550+/-1.238 χ^2 /NDF: 70379.1/17

5747.027+/-1.257 χ^2 /NDF: 99860.9/17

diff_bpm0l05Y_mean vs slug



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

Left Out: 3.174 $\pm$ 1.105 χ^2 /NDF: 20.3/7

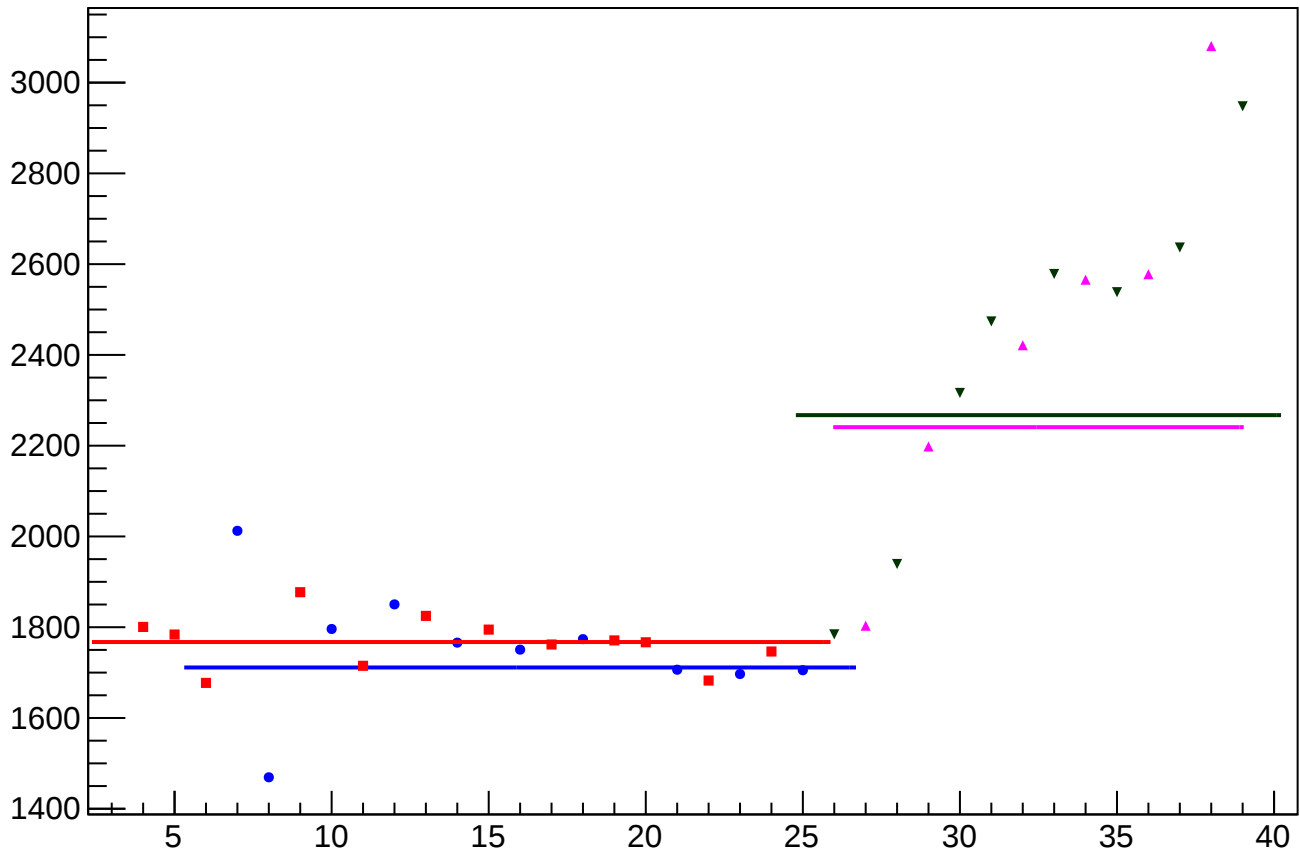
Right Out: 18.373 $\pm$ 0.699 χ^2 /NDF: 100.0/11

Left In: 0.928 $\pm$ 1.121 χ^2 /NDF: 93.4/5

18.170 $\pm$ 0.576 χ^2 /NDF: 1227.8/17

13.490 $\pm$ 0.593 χ^2 /NDF: 367.9/17

diff_bpm0l05Y_rms vs slug



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

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

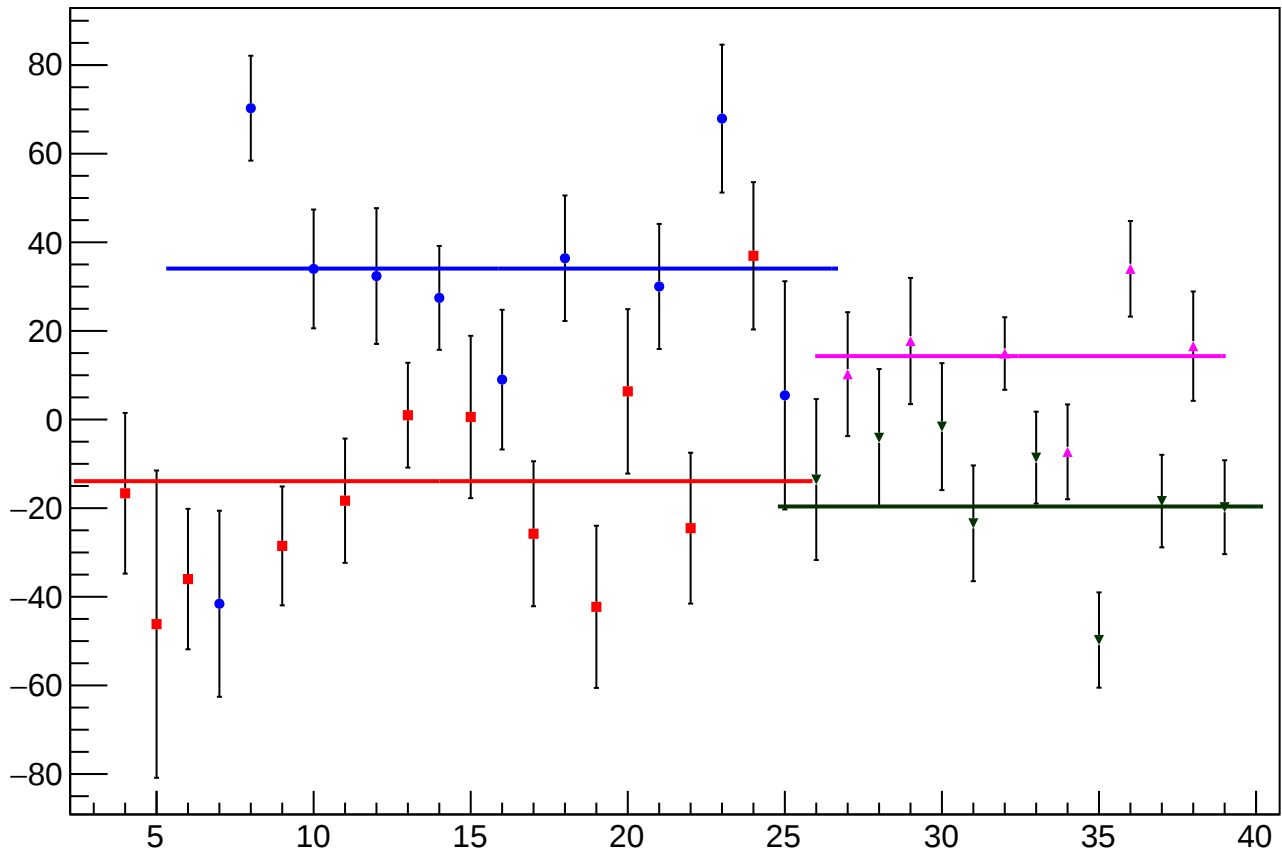
Right Out: 1767.340+/-0.494 χ^2/NDF : 15091.3/11

Left In: 2240.785+/-0.792 χ^2/NDF : 220504.0/5

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

1899.861+/-0.419 χ^2/NDF : 492681.8/17

diff_bpm0l06X_mean vs slug



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

Left Out: -19.621 ± 4.306 $\chi^2/\text{NDF}: 113.7/17$

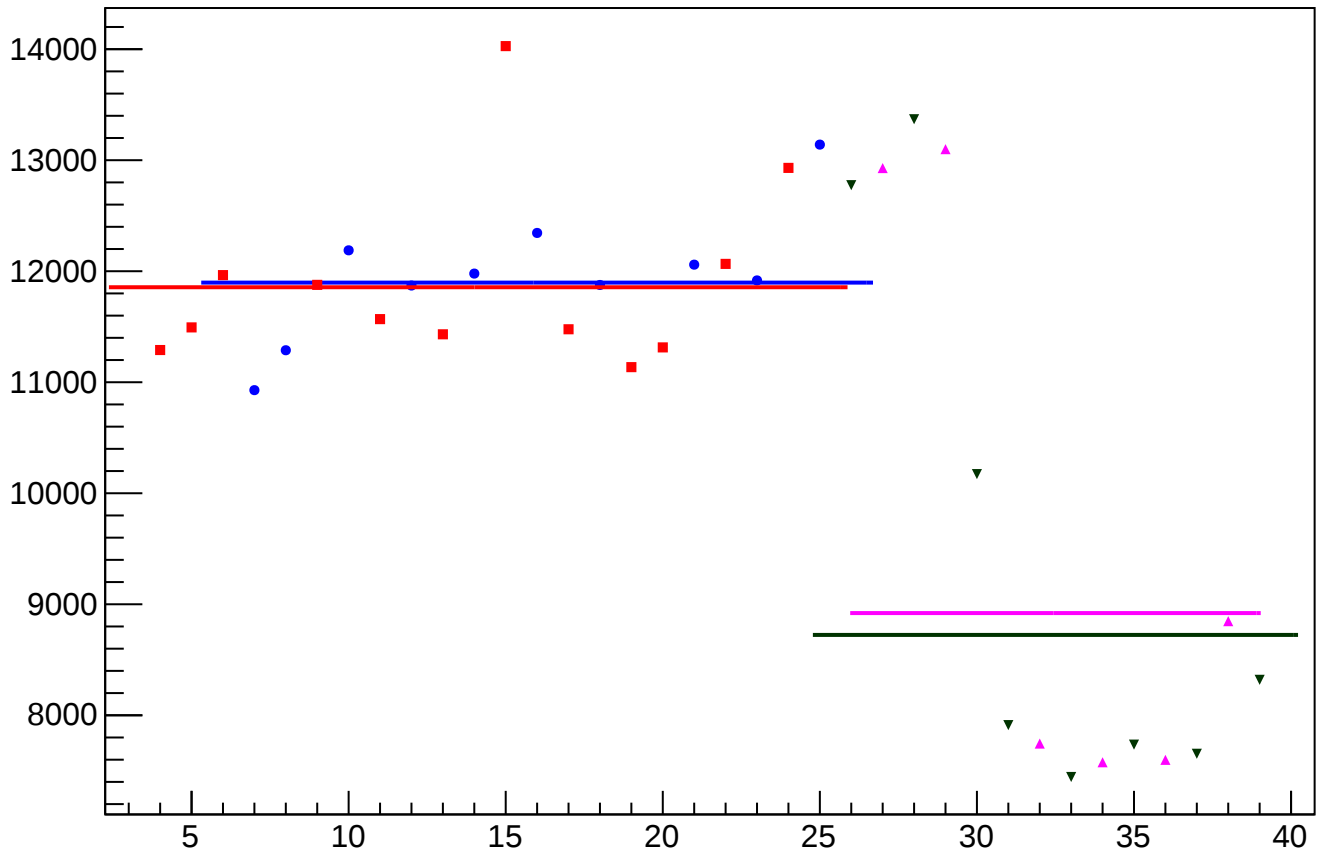
Right Out: -13.904 ± 4.697 $\chi^2/\text{NDF}: 20.2/11$

Left In: 14.315 ± 4.524 $\chi^2/\text{NDF}: 7.6/5$

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

0.736 ± 3.258 $\chi^2/\text{NDF}: 46.5/17$

diff_bpm0l06X_rms vs slug



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

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

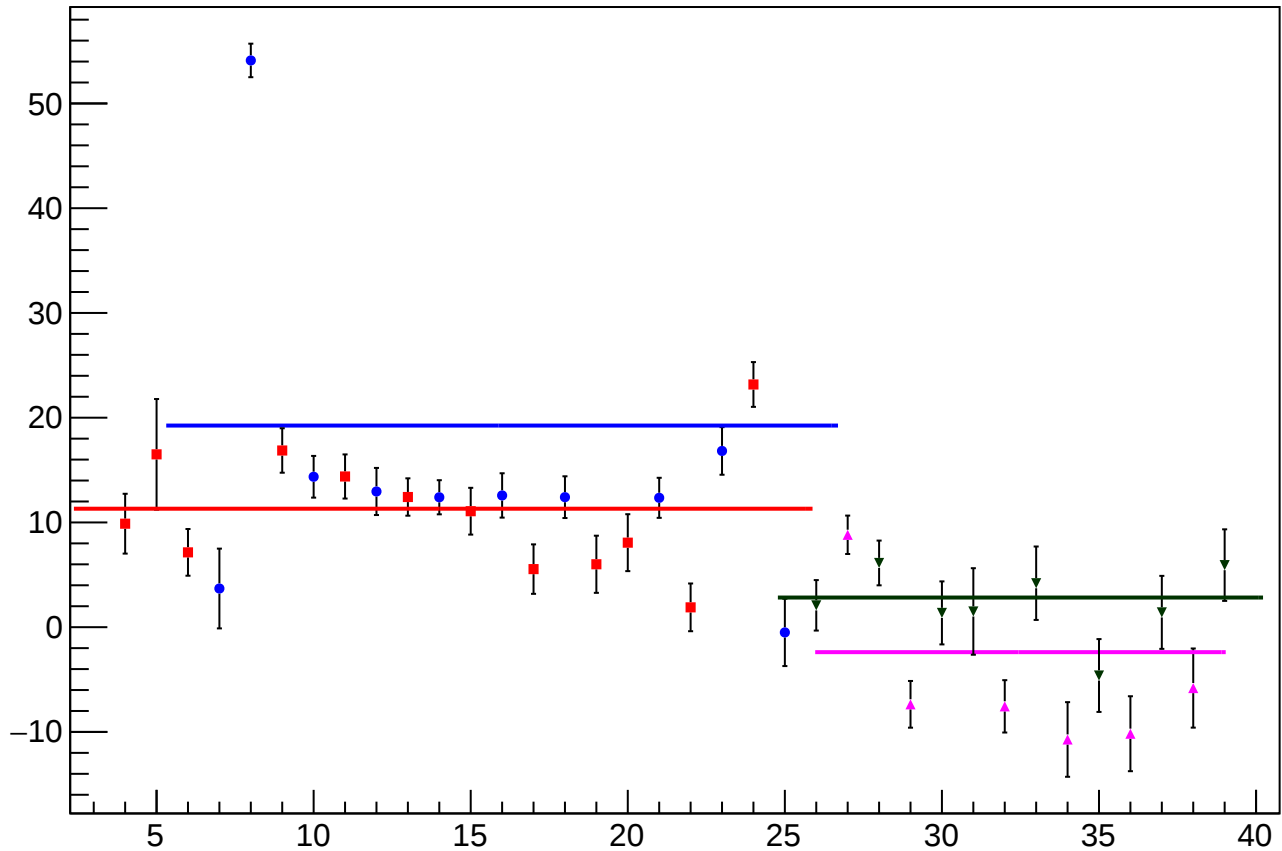
Right Out: 11855.642+/-3.322 χ^2/NDF : 48354.6/11

Left In: 8920.686+/-3.199 χ^2/NDF : 439437.4/5

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

10333.017+/-2.304 χ^2/NDF : 892856.3/17

diff_bpm0l06Y_mean vs slug



Right In: 19.249 ± 0.656 $\chi^2/\text{NDF}: 596.3/9$

Left Out: 2.830 ± 1.058 $\chi^2/\text{NDF}: 8.5/7$

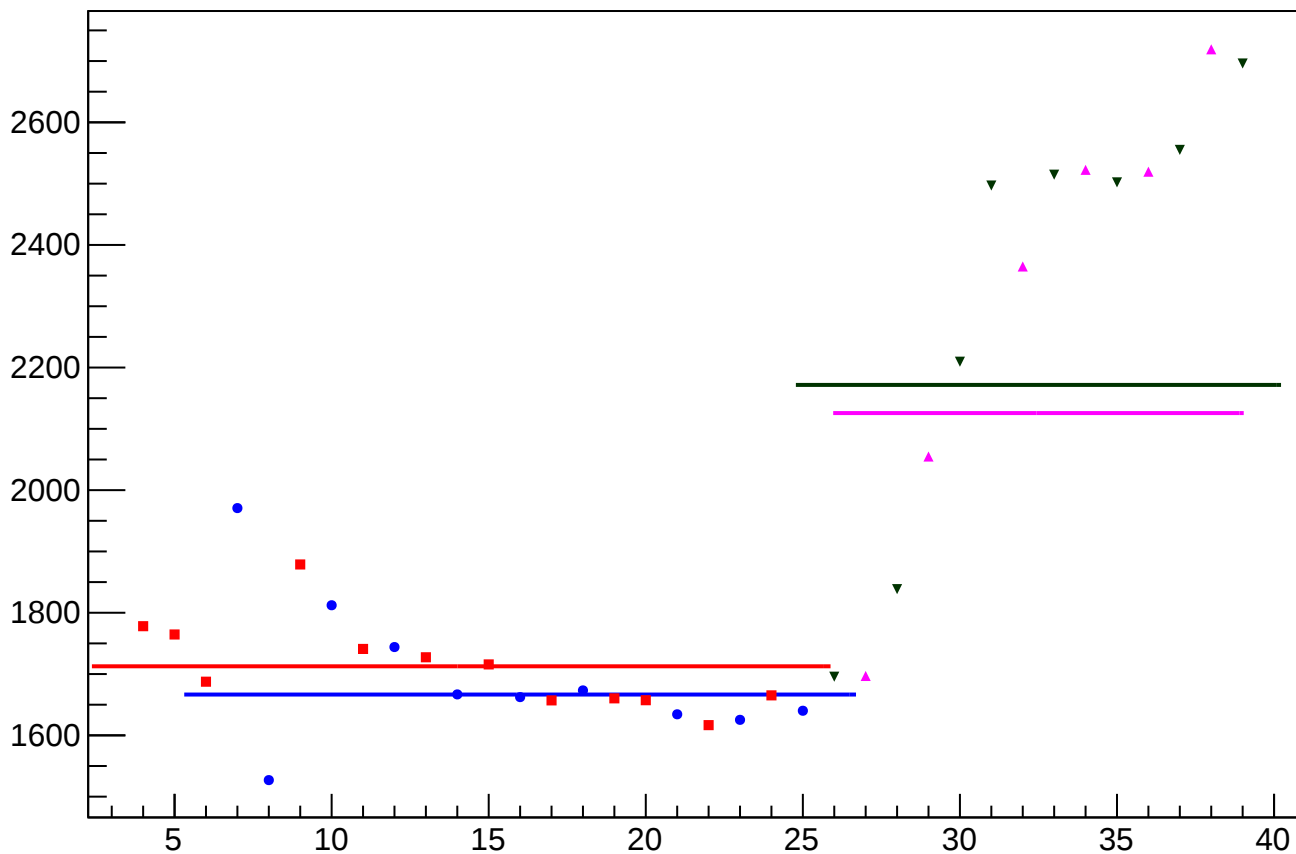
Right Out: 11.311 ± 0.677 $\chi^2/\text{NDF}: 73.1/11$

Left In: -2.384 ± 1.063 $\chi^2/\text{NDF}: 57.7/5$

14.694 ± 0.557 $\chi^2/\text{NDF}: 778.7/17$

7.357 ± 0.571 $\chi^2/\text{NDF}: 249.0/17$

diff_bpm0l06Y_rms vs slug



Right In: 1666.575 ± 0.464 $\chi^2/\text{NDF}: 42439.0/9$

Left Out: 2171.662 ± 0.748 $\chi^2/\text{NDF}: 247948.6/7$

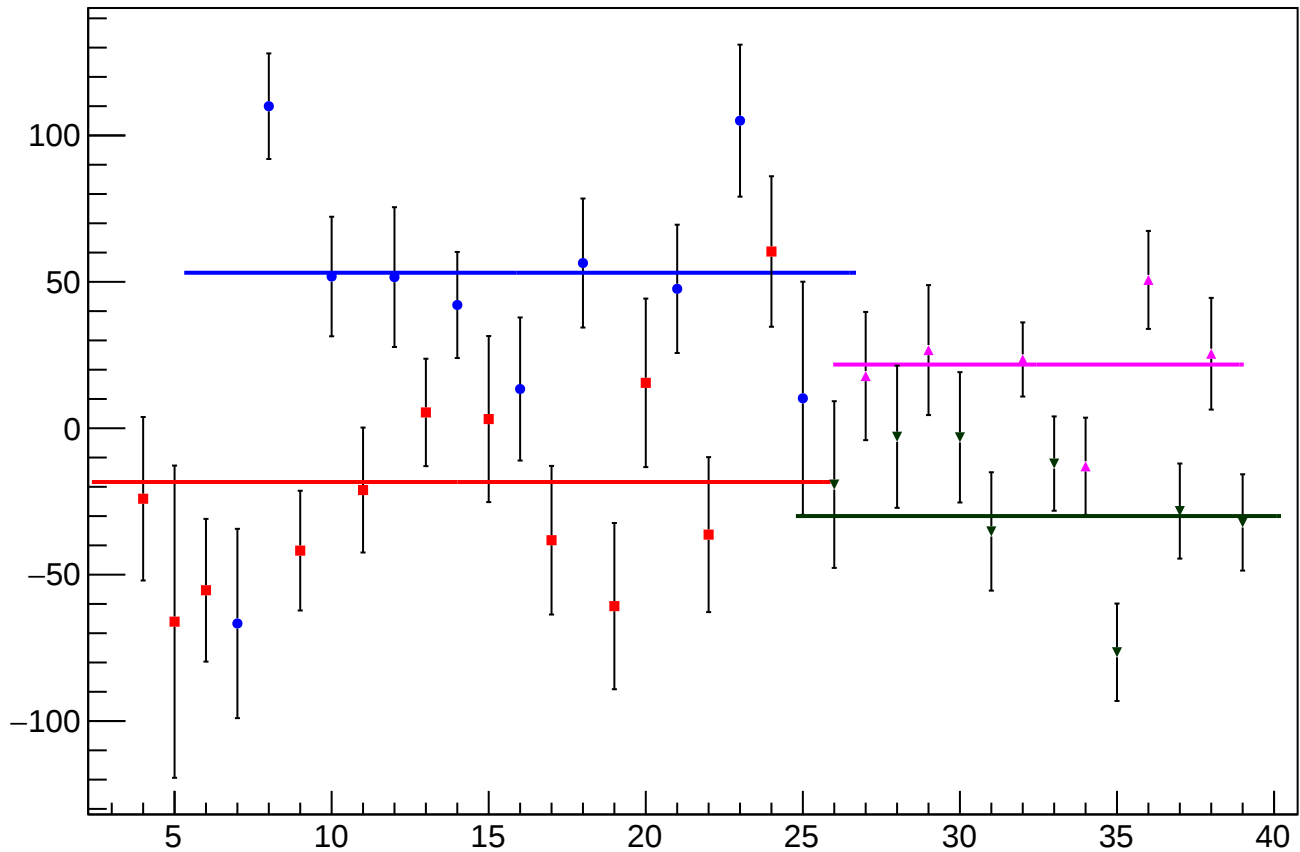
Right Out: 1712.647 ± 0.479 $\chi^2/\text{NDF}: 21464.2/11$

Left In: 2125.732 ± 0.751 $\chi^2/\text{NDF}: 228168.1/5$

1806.695 ± 0.394 $\chi^2/\text{NDF}: 619507.0/17$

1831.900 ± 0.404 $\chi^2/\text{NDF}: 464657.6/17$

diff_bpm0l07X_mean vs slug



Right In: 53.110+/-7.223 χ^2/NDF : 31.9/9

Left Out: -29.988+/-6.688 χ^2/NDF : 12.0/7

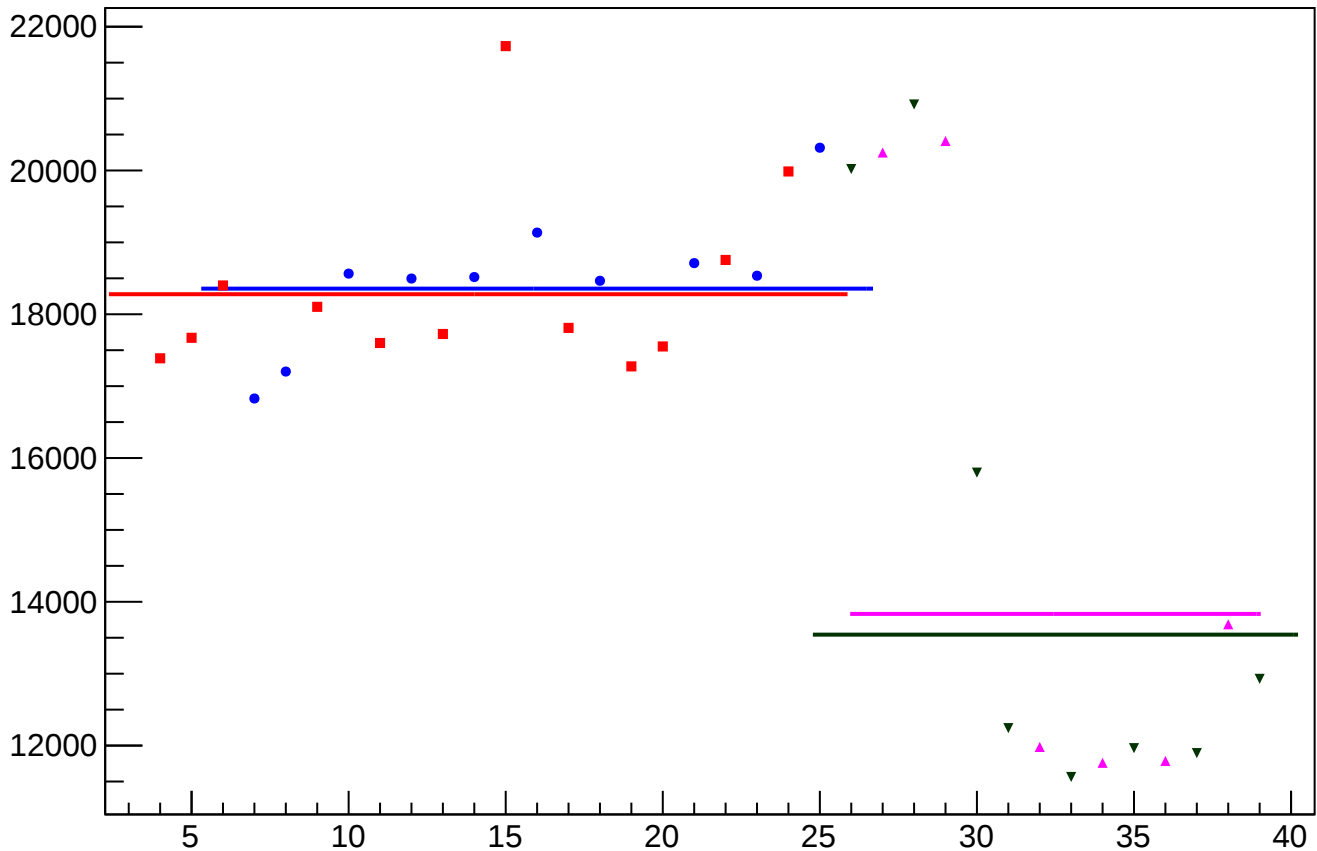
Right Out: -18.361+/-7.243 χ^2/NDF : 20.8/11

Left In: 21.759+/-7.019 χ^2/NDF : 7.5/5

8.369+/-4.908 χ^2/NDF : 115.2/17

2.327+/-5.041 χ^2/NDF : 44.1/17

diff_bpm0l07X_rms vs slug



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

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

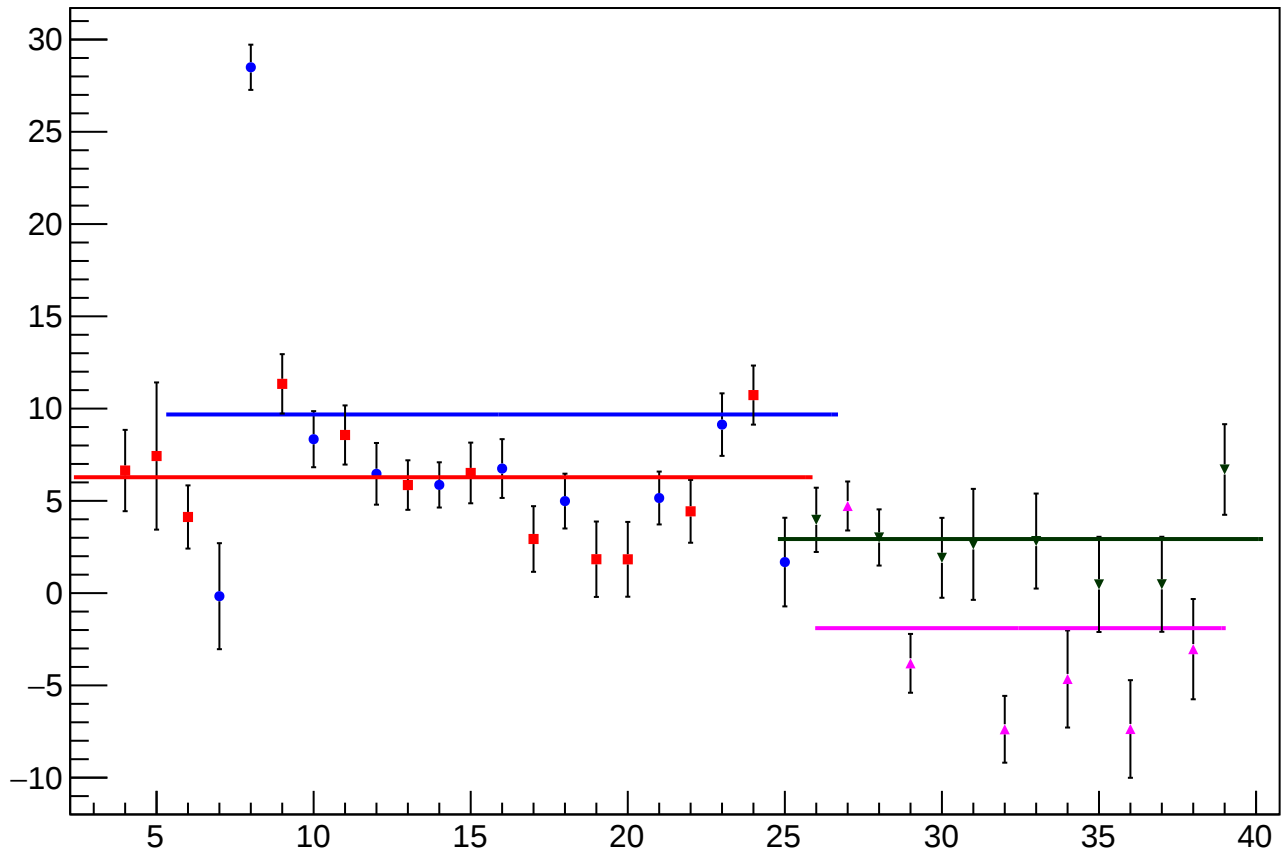
Right Out: 18278.807+/-5.121 χ^2/NDF : 49891.5/11

Left In: 13831.455+/-4.963 χ^2/NDF : 451404.5/5

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

15985.571+/-3.564 χ^2/NDF : 890160.1/17

diff_bpm0l07Y_mean vs slug



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

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

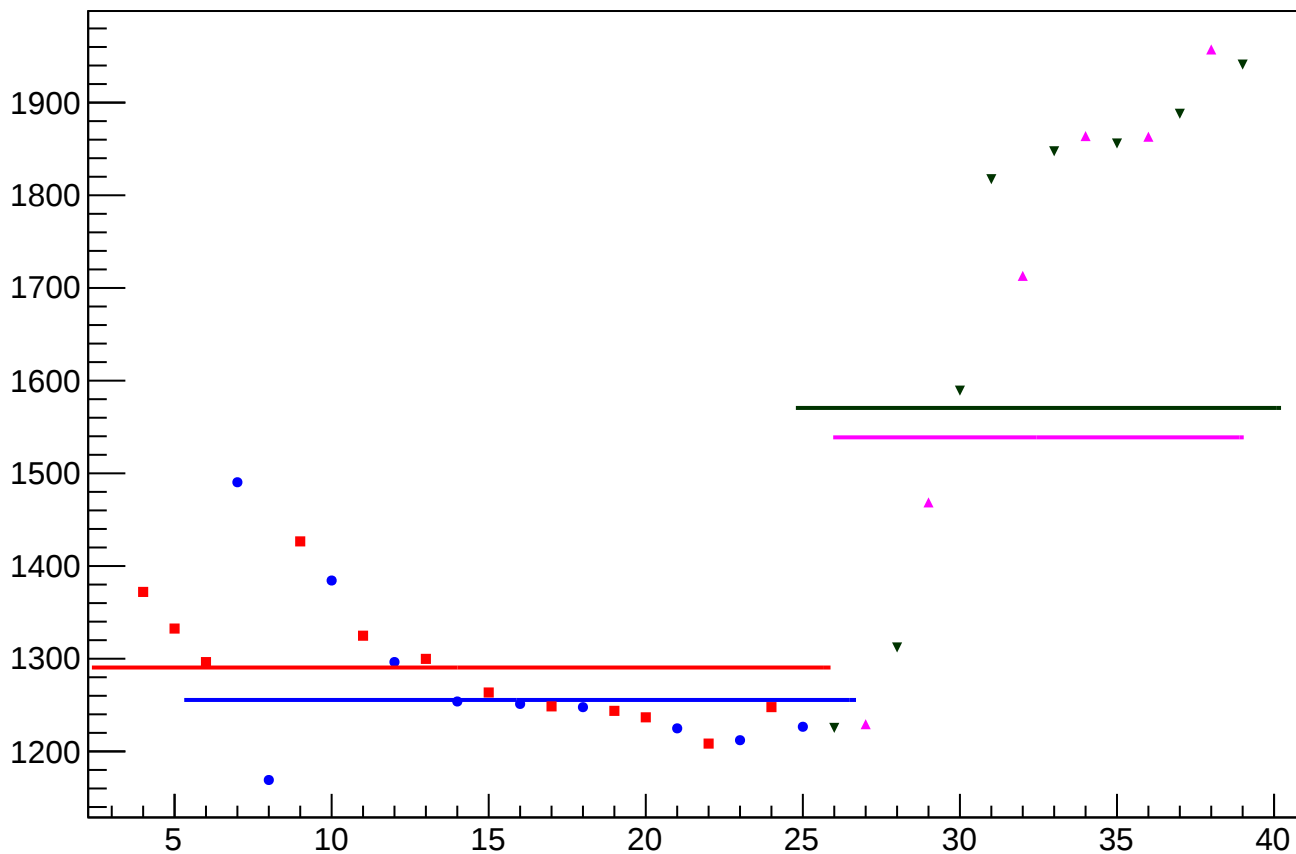
Right Out: 6.280 ± 0.510 χ^2/NDF : 35.7/11

Left In: -1.898 ± 0.770 χ^2/NDF : 41.0/5

7.701 ± 0.415 χ^2/NDF : 355.9/17

3.784 ± 0.425 χ^2/NDF : 155.2/17

diff_bpm0l07Y_rms vs slug



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

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

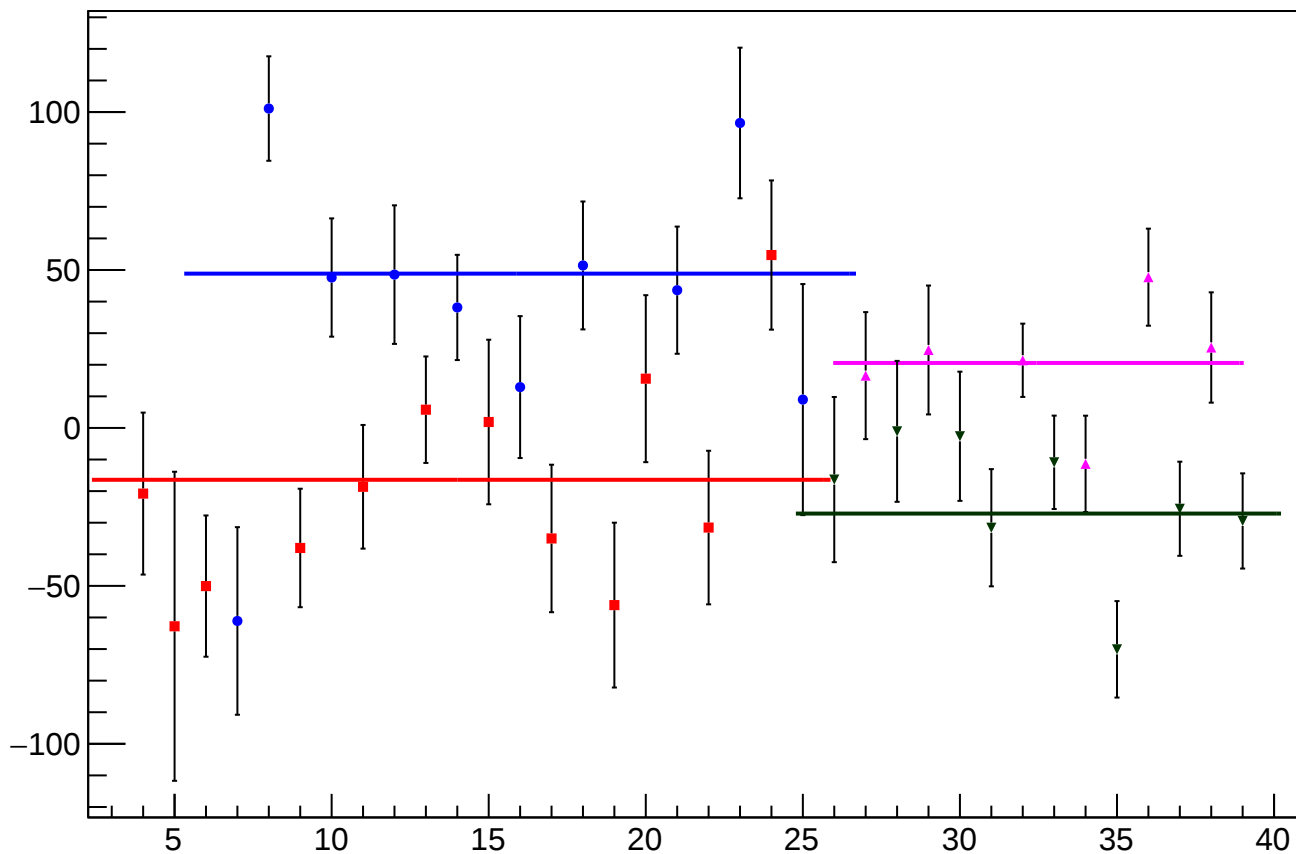
Right Out: 1290.505+/-0.361 χ^2/NDF : 28459.4/11

Left In: 1538.827+/-0.544 χ^2/NDF : 239098.3/5

1347.955+/-0.294 χ^2/NDF : 553639.1/17

1366.307+/-0.301 χ^2/NDF : 412248.6/17

diff_bpm0l08X_mean vs slug



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

Left Out: -27.107 ± 6.138 χ^2/NDF : 12.2/7

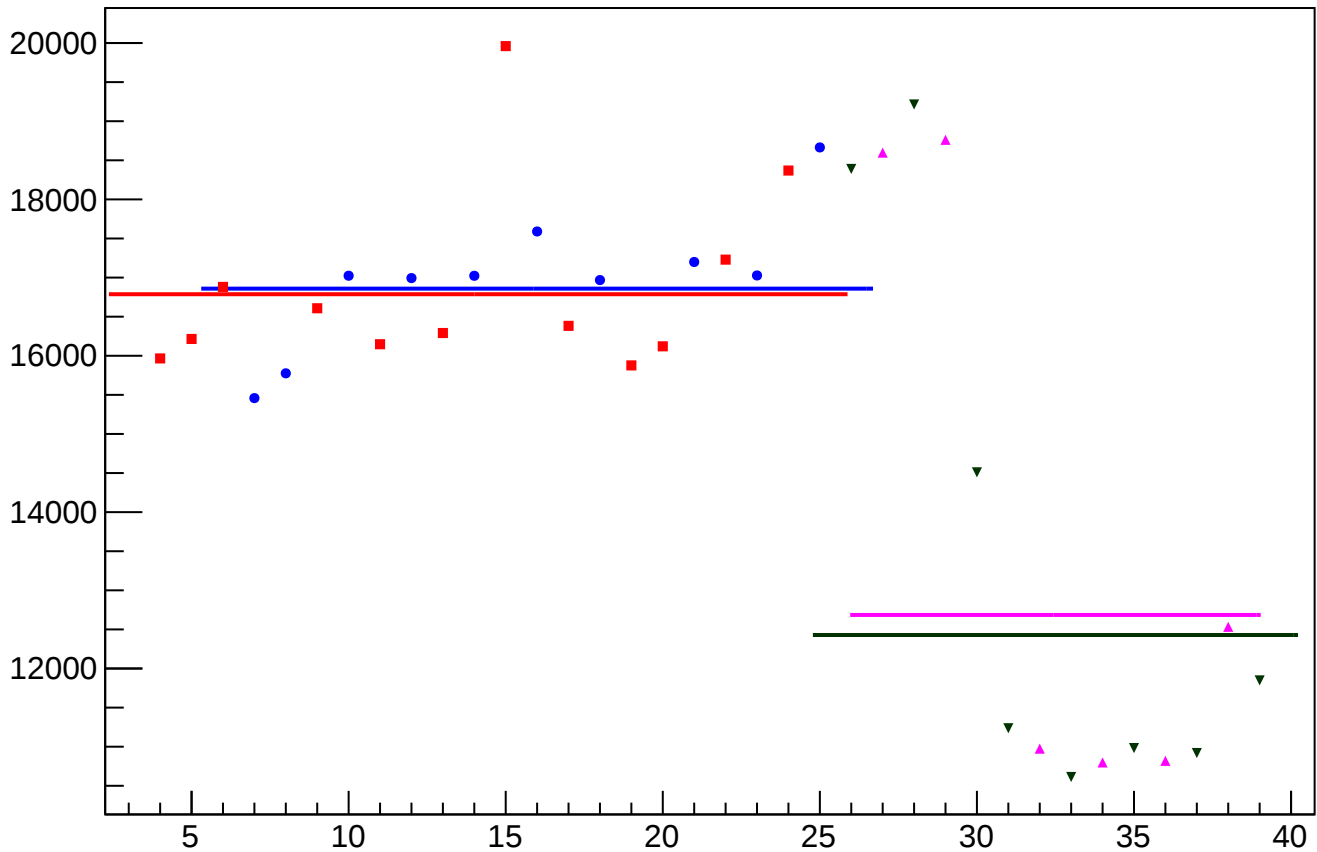
Right Out: -16.413 ± 6.651 χ^2/NDF : 20.6/11

Left In: 20.572 ± 6.439 χ^2/NDF : 7.7/5

7.927 ± 4.505 χ^2/NDF : 114.8/17

2.681 ± 4.626 χ^2/NDF : 44.3/17

diff_bpm0l08X_rms vs slug



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

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

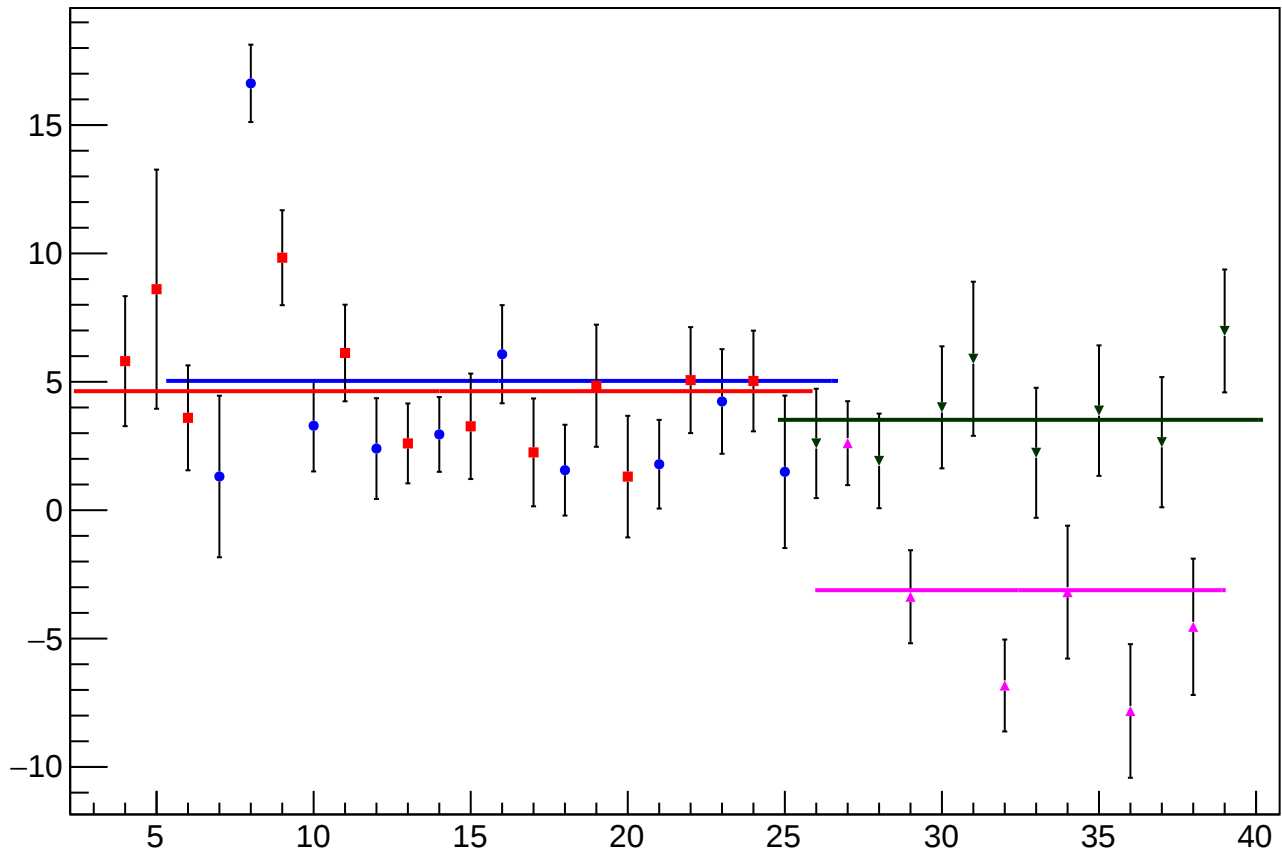
Right Out: 16787.169 $\pm$ 4.703 χ^2 /NDF: 50027.0/11

Left In: 12685.065 $\pm$ 4.553 χ^2 /NDF: 454122.0/5

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

14669.421 $\pm$ 3.271 χ^2 /NDF: 896864.6/17

diff_bpm0l08Y_mean vs slug



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

Left Out: 3.520 ± 0.832 χ^2/NDF : 4.1/7

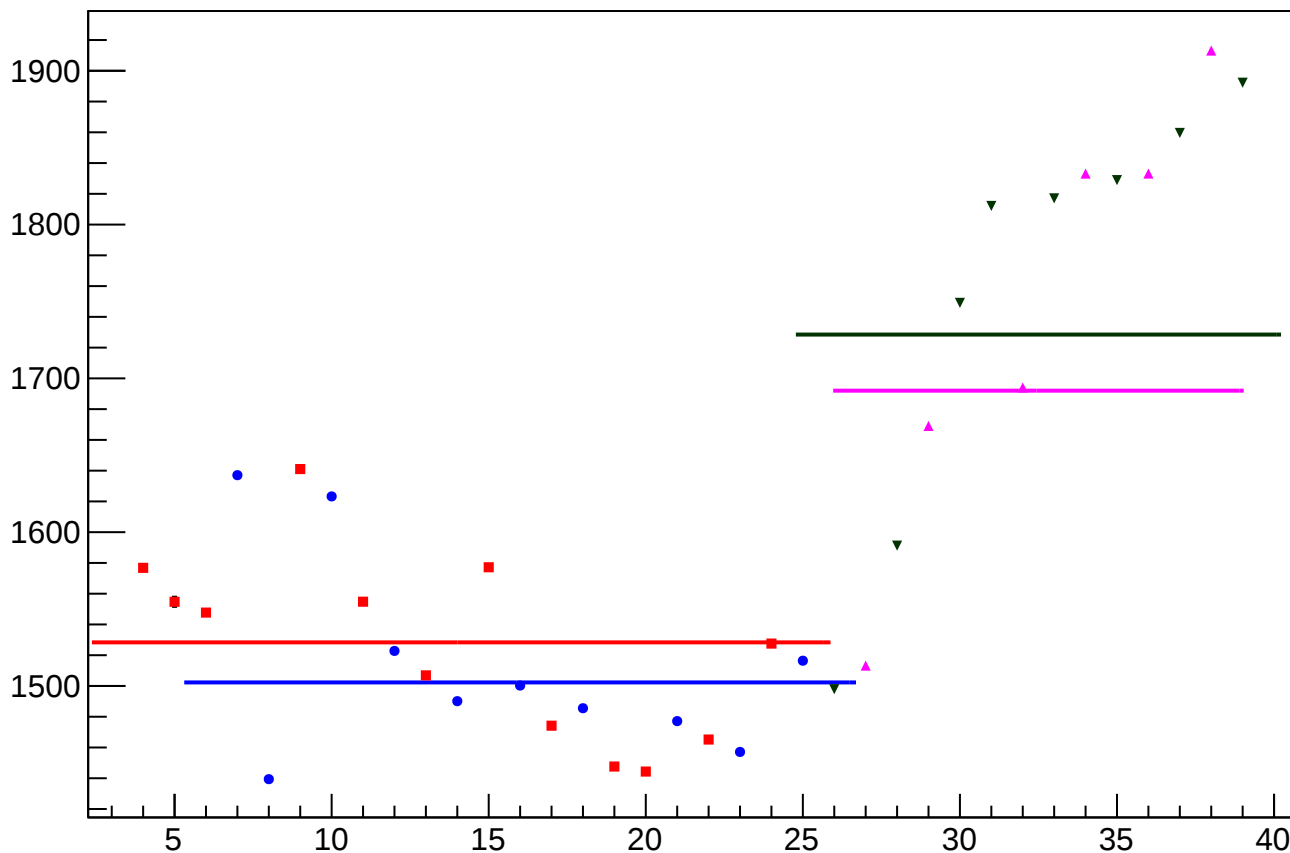
Right Out: 4.636 ± 0.604 χ^2/NDF : 15.2/11

Left In: -3.115 ± 0.836 χ^2/NDF : 20.2/5

4.528 ± 0.481 χ^2/NDF : 80.9/17

1.980 ± 0.490 χ^2/NDF : 91.9/17

diff_bpm0l08Y_rms vs slug



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

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

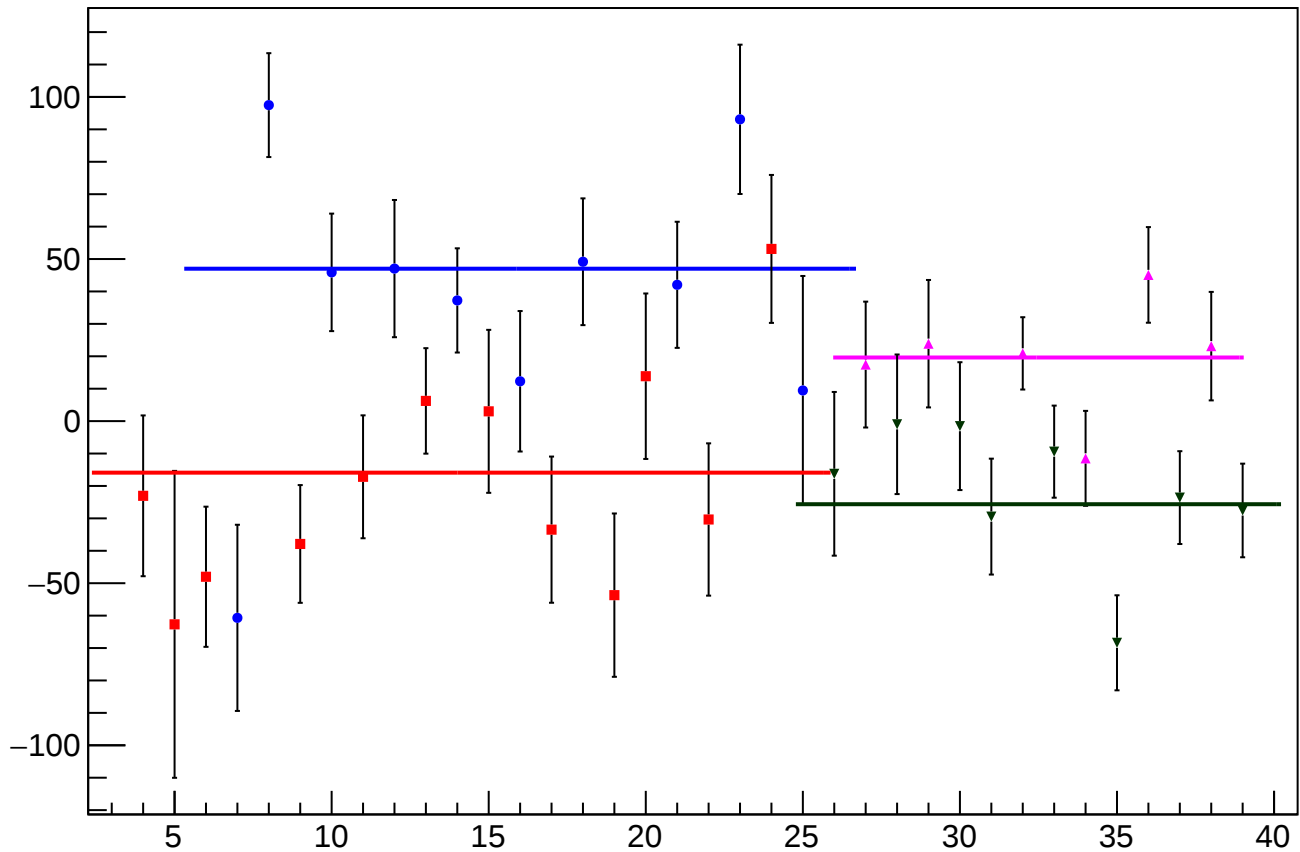
Right Out: 1528.347+/-0.427 χ^2/NDF : 18336.6/11

Left In: 1692.006+/-0.591 χ^2/NDF : 49967.1/5

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

1584.432+/-0.346 χ^2/NDF : 118660.4/17

diff_bpm0l09X_mean vs slug



Right In: 47.015+/-6.411 χ^2/NDF : 32.1/9

Left Out: -25.633+/-5.902 χ^2/NDF :12.8/7

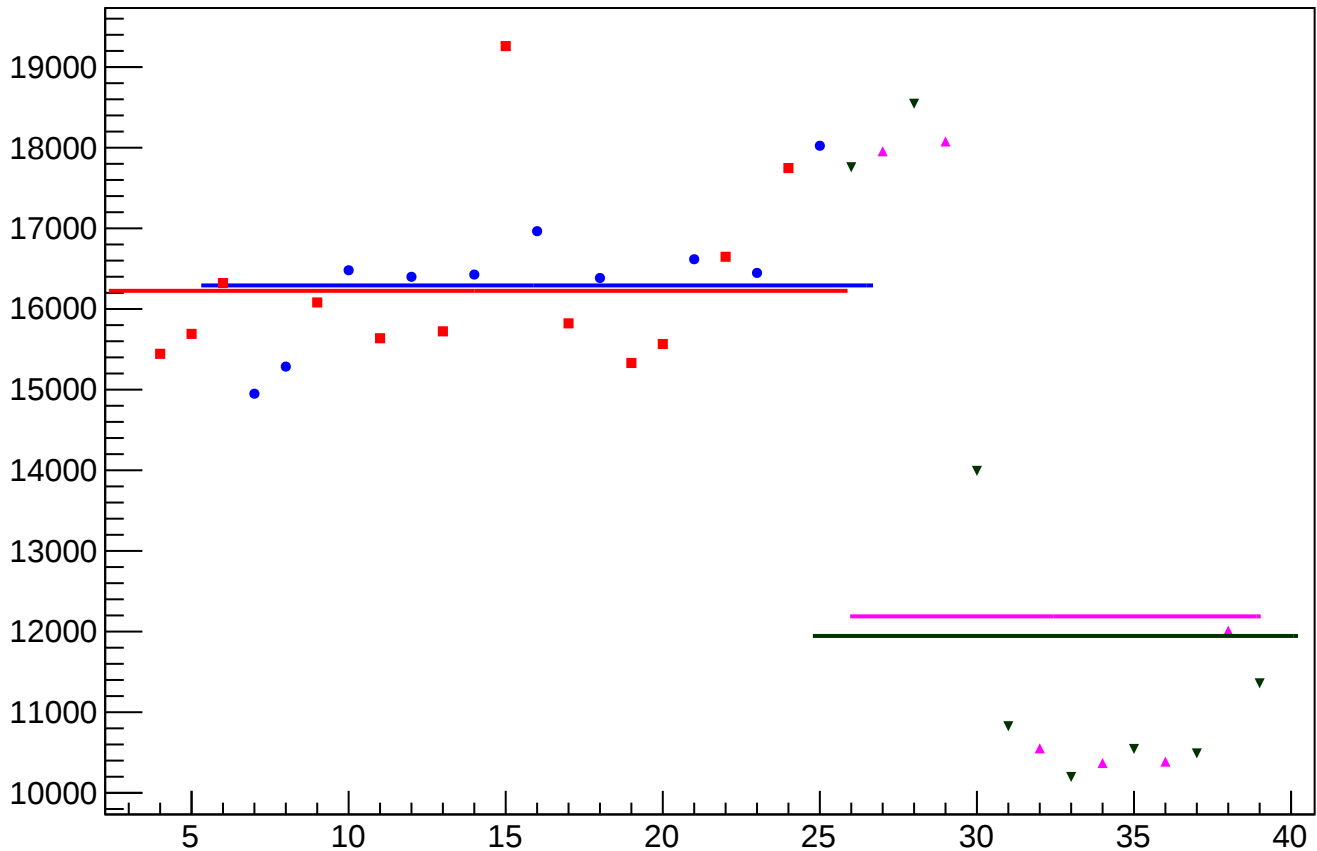
Right Out: -15.898+/-6.429 χ^2/NDF : 20.9/11

Left In: 19.624+/-6.189 χ^2/NDF :7.6/5

7.693+/-4.342 χ^2/NDF : 114.5/17

2.539+/-4.458 χ^2/NDF : 44.4/17

diff_bpm0l09X_rms vs slug



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

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

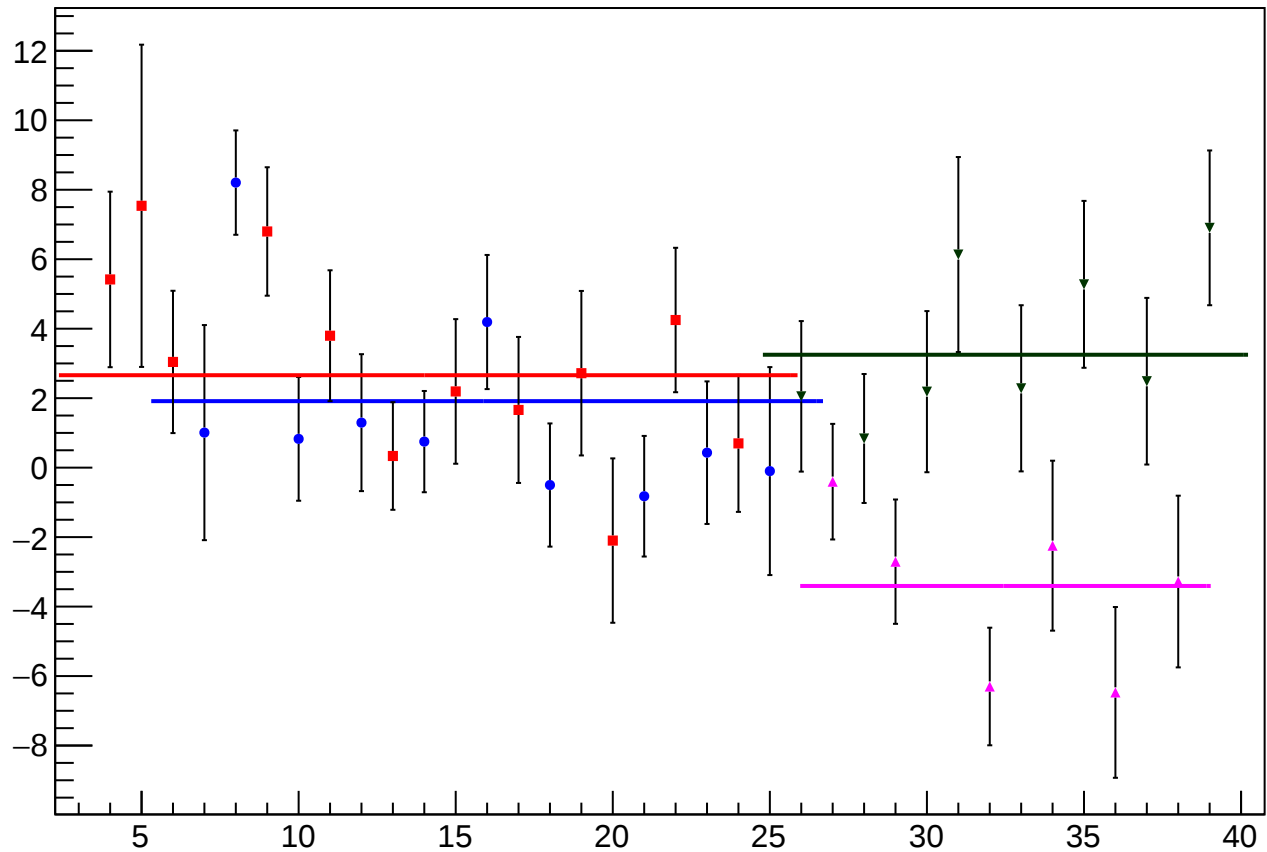
13939.579+/-3.070 χ^2/NDF : 913585.5/17

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

14130.236+/-3.153 χ^2/NDF : 918655.5/17

Left In: 12188.569+/-4.376 χ^2/NDF :459934.8/5

diff_bpm0l09Y_mean vs slug



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

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

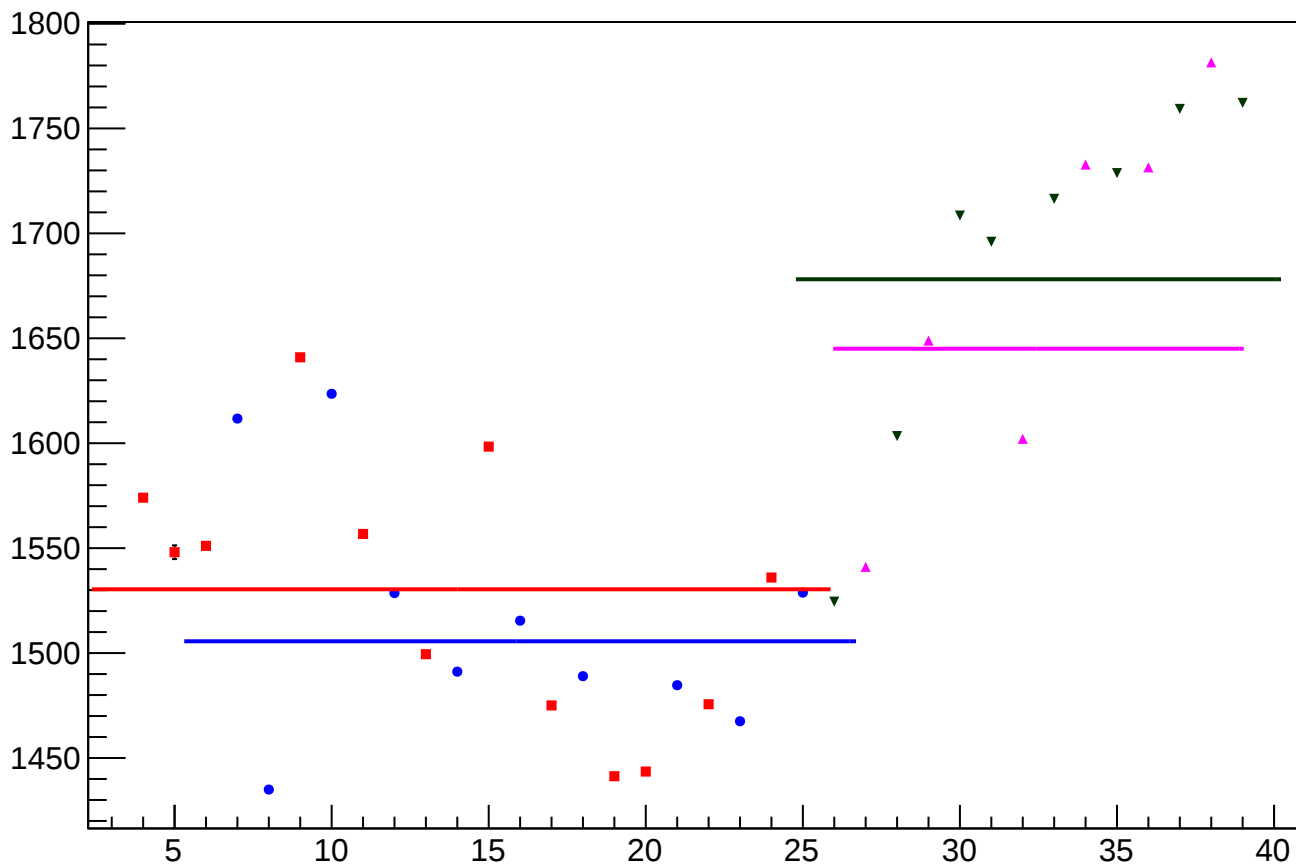
Right Out: 2.661 ± 0.605 $\chi^2/\text{NDF}: 15.9/11$

Left In: -3.406 ± 0.811 $\chi^2/\text{NDF}: 8.1/5$

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

0.495 ± 0.485 $\chi^2/\text{NDF}: 59.9/17$

diff_bpm0l09Y_rms vs slug



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

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

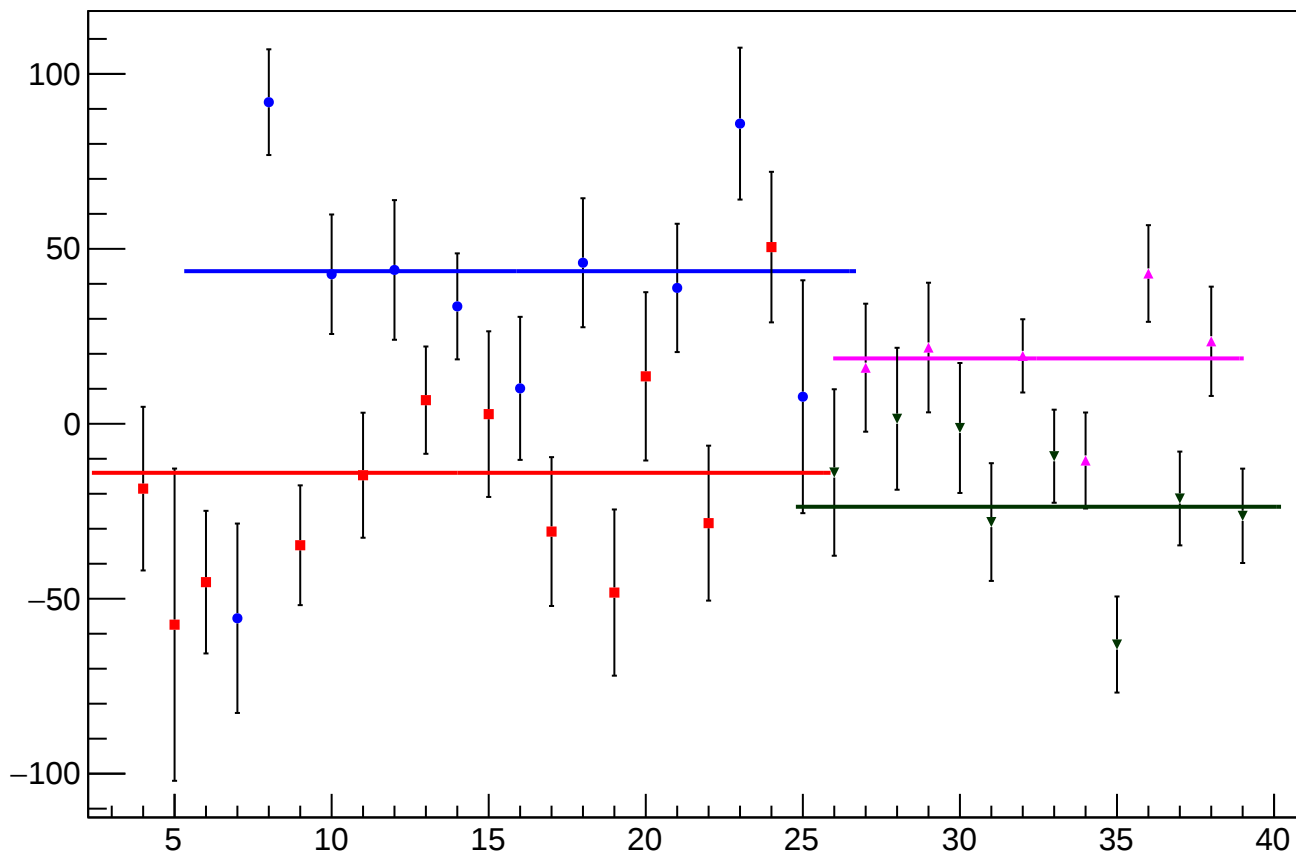
Right Out: 1530.389 $\pm$ 0.428 χ^2 /NDF: 19618.0/11

Left In: 1645.024 $\pm$ 0.574 χ^2 /NDF: 20244.8/5

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

1571.314 $\pm$ 0.343 χ^2 /NDF: 65526.2/17

diff_bpm0l10X_mean vs slug



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

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

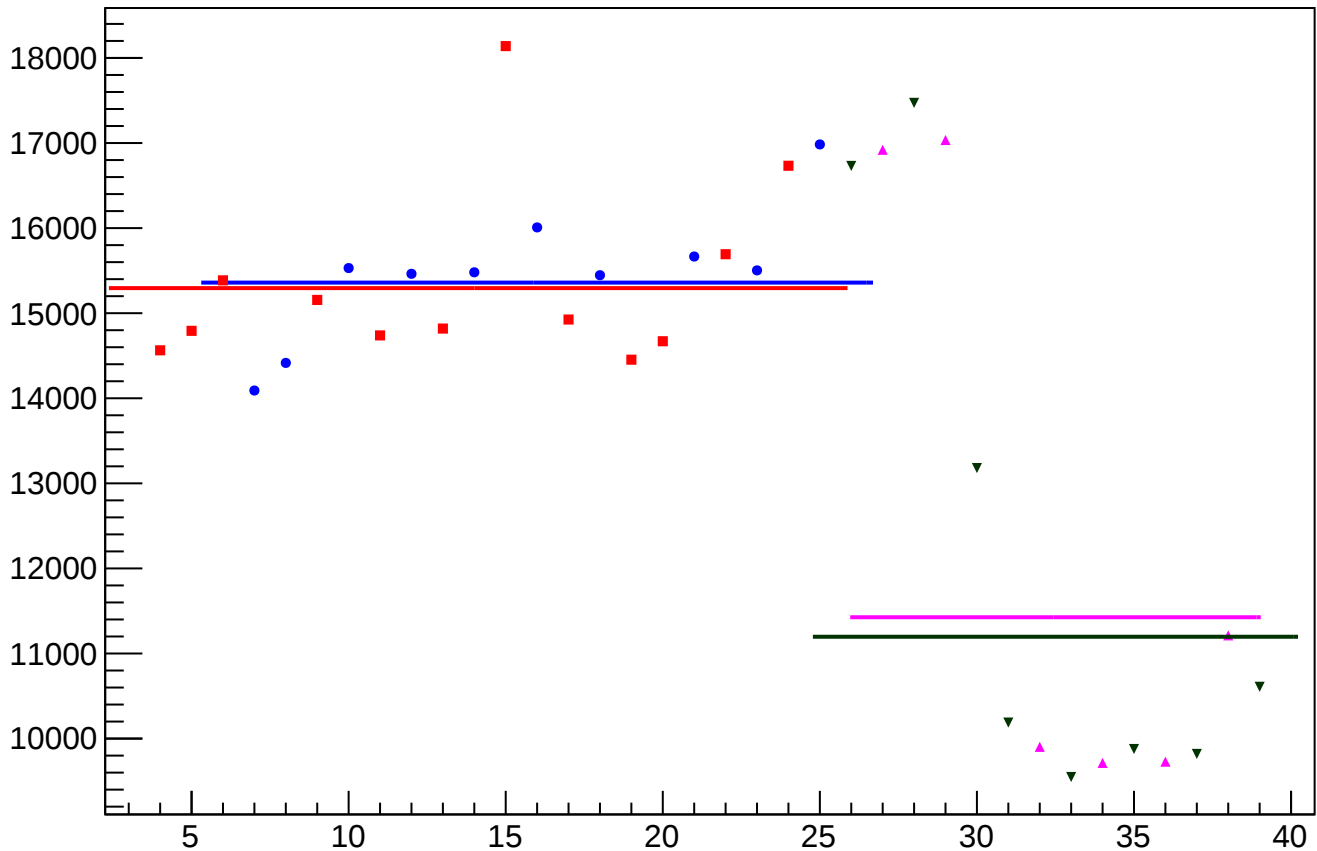
Right Out: -14.010 ± 6.060 $\chi^2/\text{NDF}: 20.6/11$

Left In: 18.683 ± 5.804 $\chi^2/\text{NDF}: 7.8/5$

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

3.040 ± 4.192 $\chi^2/\text{NDF}: 43.5/17$

diff_bpm0l10X_rms vs slug



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

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

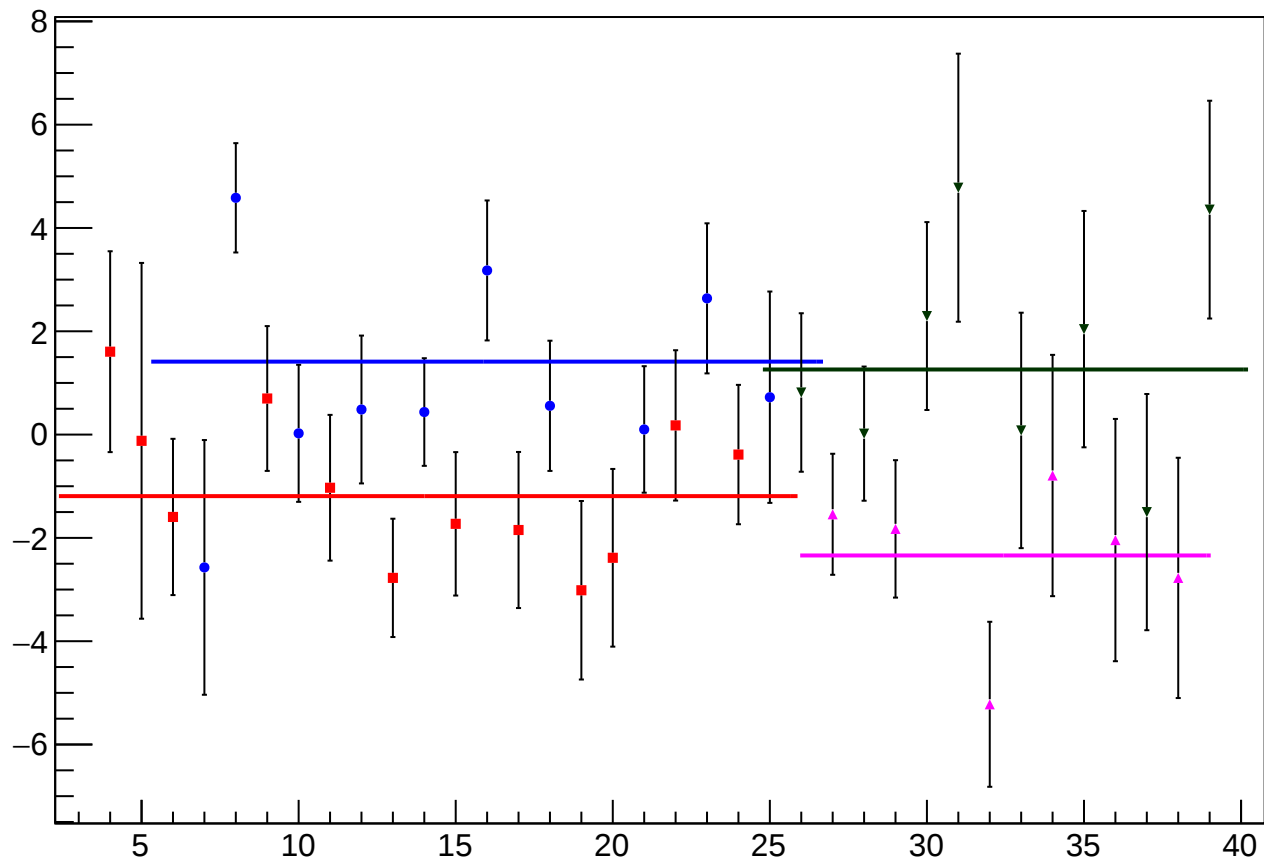
Right Out: 15294.772 $\pm$ 4.285 χ^2 /NDF: 49160.5/11

Left In: 11426.215 $\pm$ 4.104 χ^2 /NDF: 467849.2/5

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

13277.270 $\pm$ 2.964 χ^2 /NDF: 942095.3/17

diff_bpm0l10Y_mean vs slug



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

Left Out: 1.260 ± 0.664 χ^2/NDF : 7.2/7

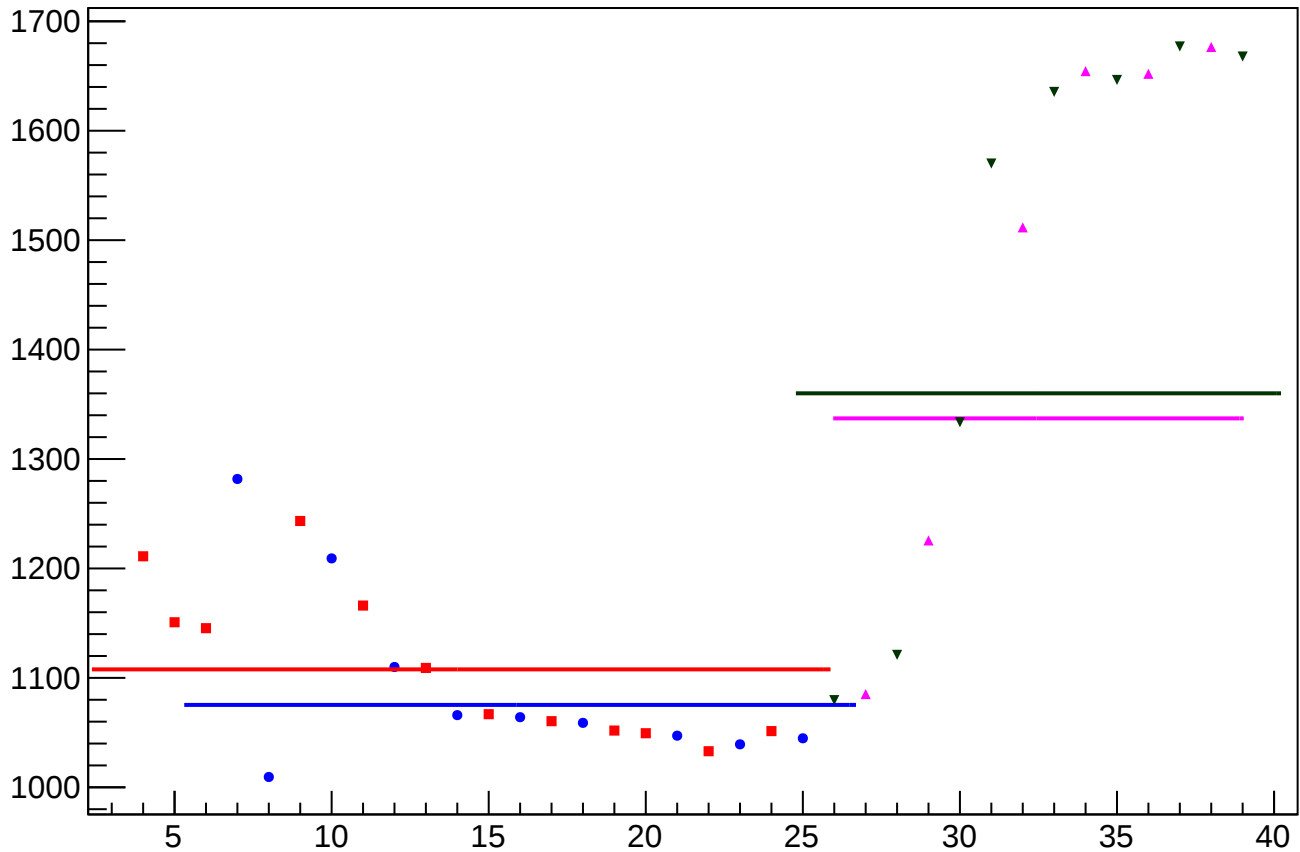
Right Out: -1.191 ± 0.438 χ^2/NDF : 9.1/11

Left In: -2.340 ± 0.669 χ^2/NDF : 4.4/5

1.368 ± 0.357 χ^2/NDF : 25.3/17

-1.536 ± 0.366 χ^2/NDF : 15.6/17

diff_bpm0l10Y_rms vs slug



Right In: 1075.302+/-0.299 χ^2/NDF : 46677.3/9

Left Out: 1360.047+/-0.469 χ^2/NDF : 289648.1/7

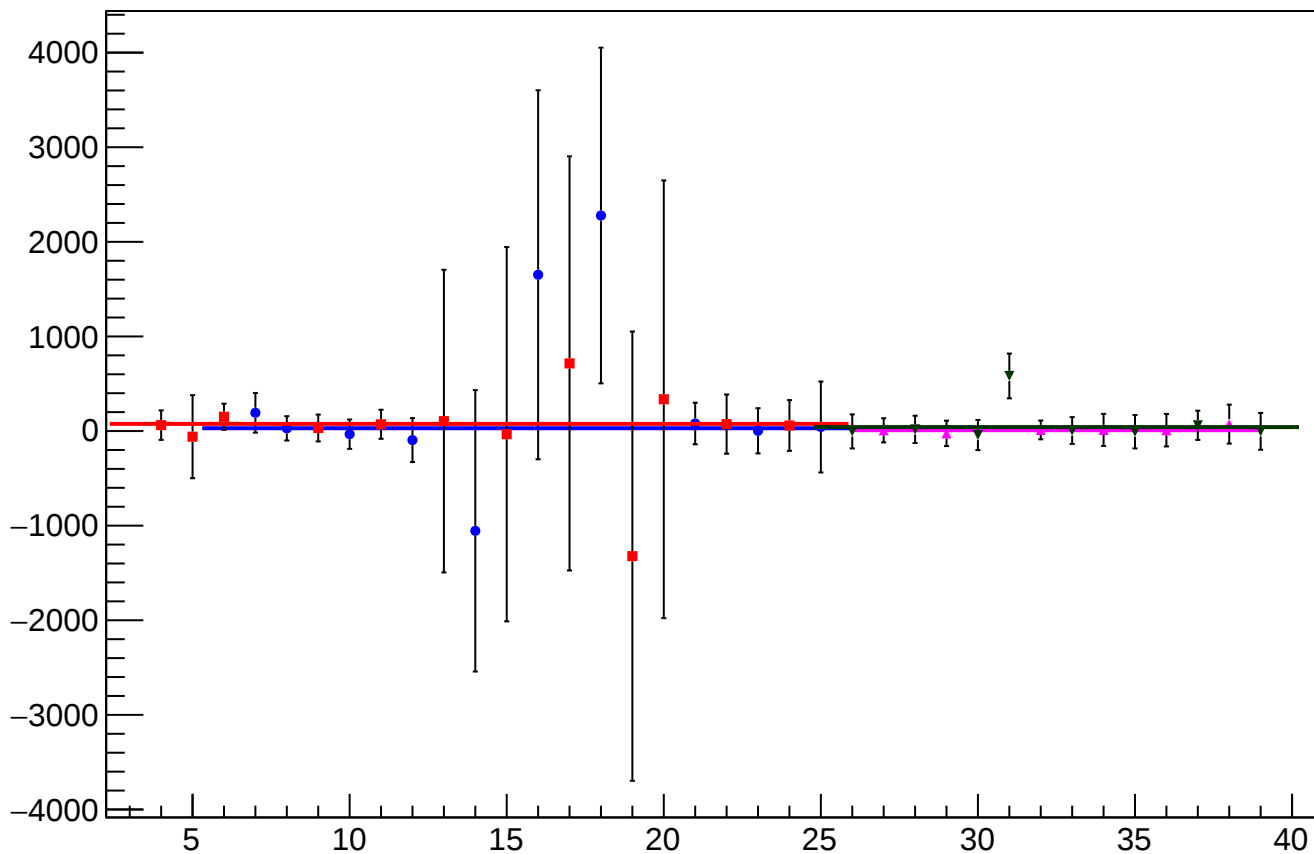
Right Out: 1107.774+/-0.310 χ^2/NDF : 46212.9/11

Left In: 1337.143+/-0.473 χ^2/NDF : 245963.7/5

1157.506+/-0.252 χ^2/NDF : 597964.7/17

1176.637+/-0.259 χ^2/NDF : 456786.8/17

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: 41.901+/-59.080 χ^2/NDF :5.8/7

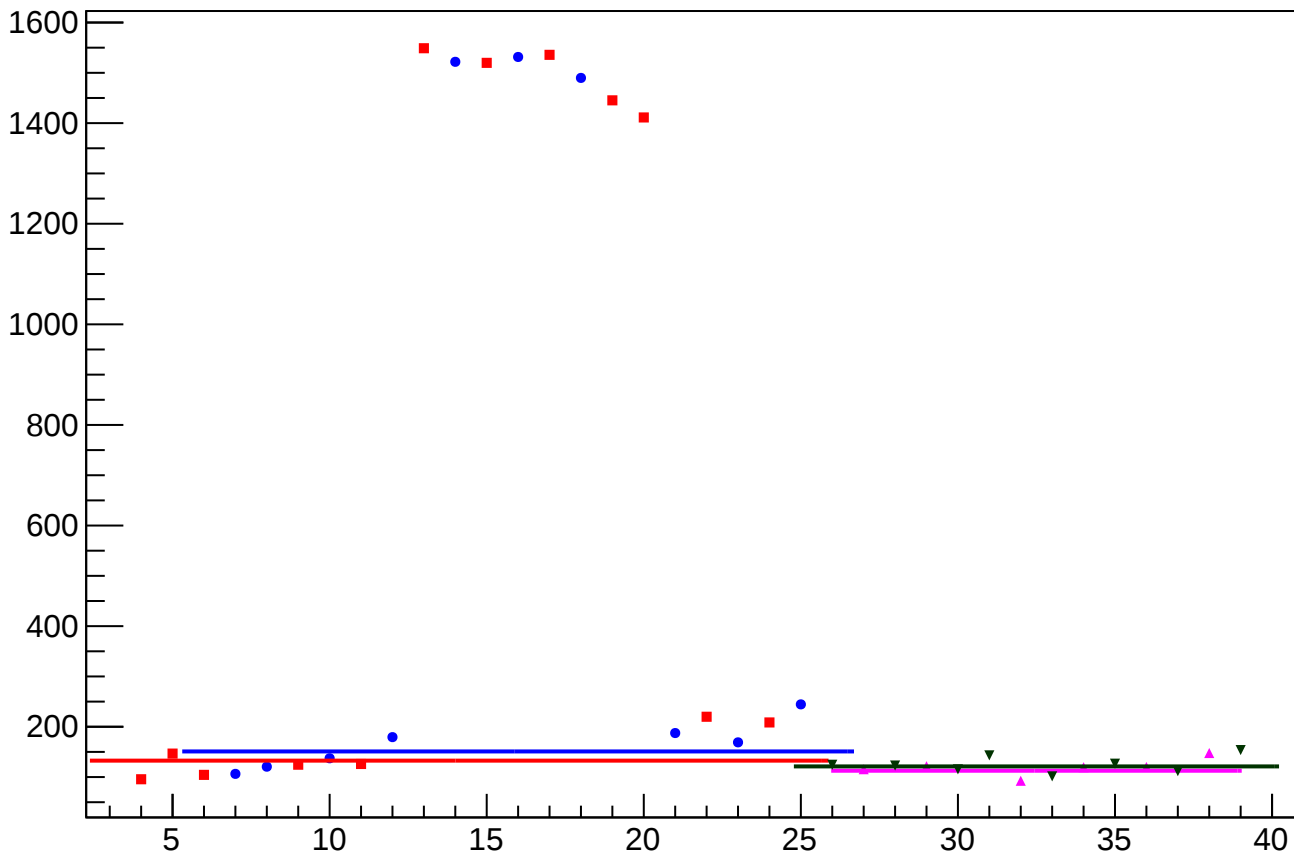
Right Out: 75.901+/-68.054 χ^2/NDF : 0.9/11

Left In: 8.909+/-56.729 χ^2/NDF :0.2/5

37.060+/-45.956 χ^2/NDF : 9.8/17

36.375+/-43.575 χ^2/NDF : 1.7/17

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs slug



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

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

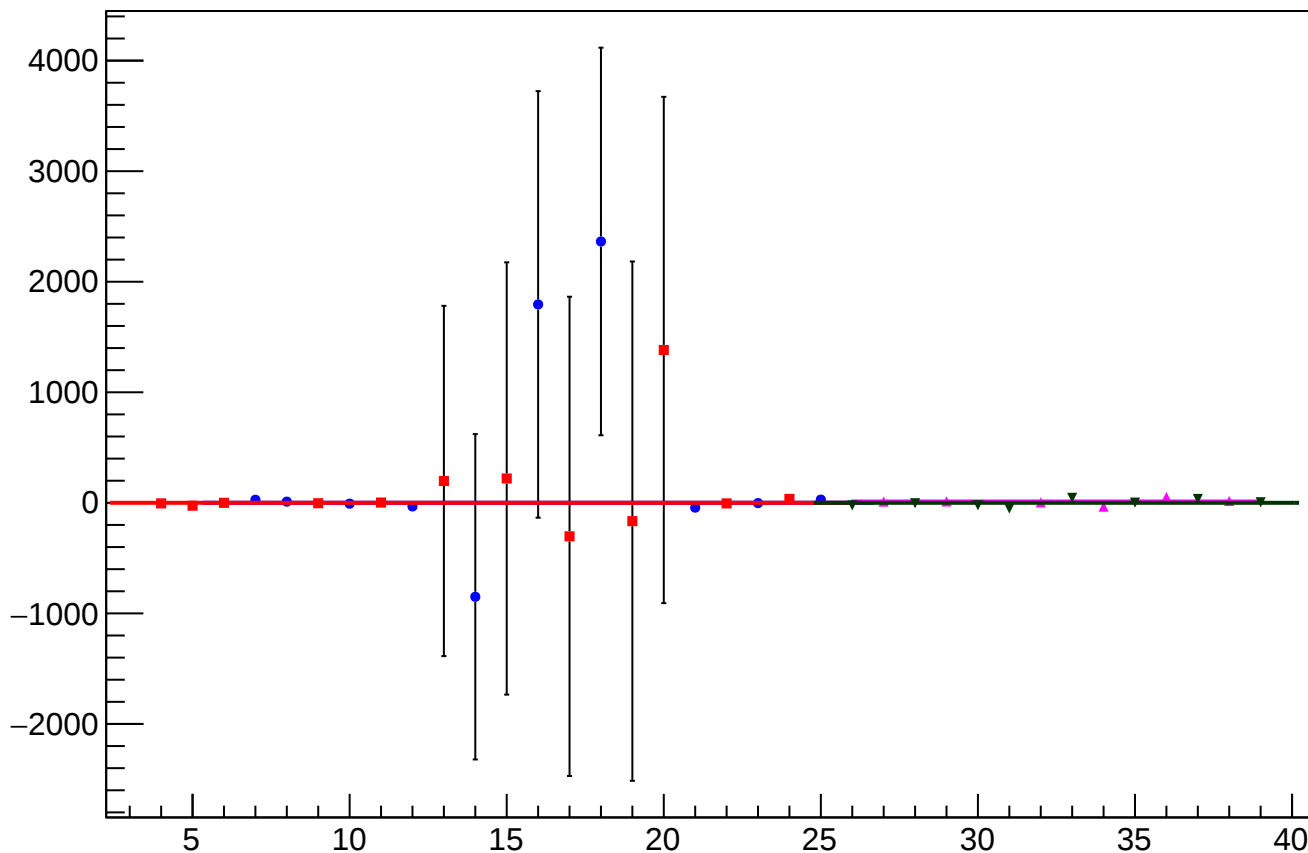
132.918+/-0.032 χ^2/NDF : 4555266.4/17

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

120.800+/-0.031 χ^2/NDF : 5379460.2/17

Left In: 112.569+/-0.040 χ^2/NDF : 156686.9/5

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs slug



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

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

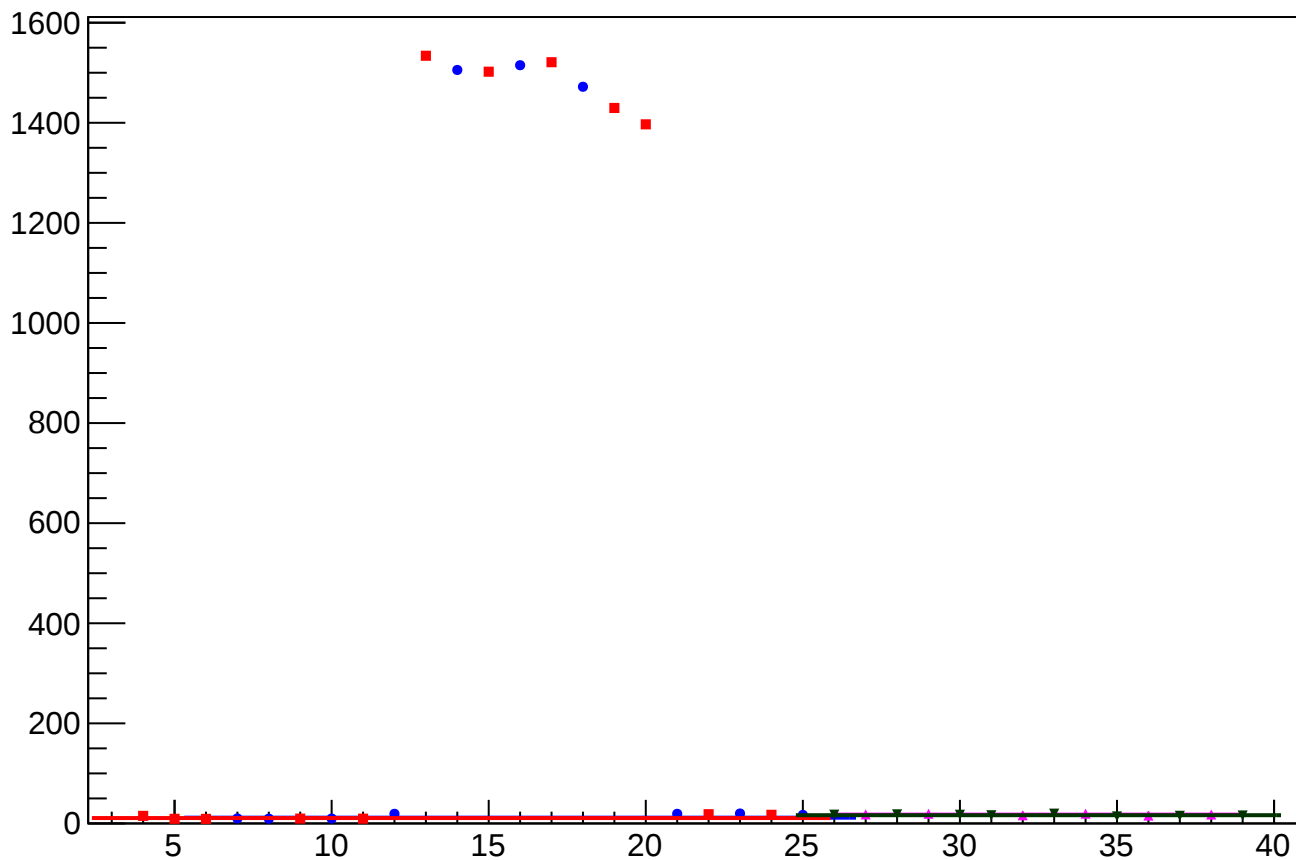
Right Out: 0.325+/-5.882 χ^2/NDF : 4.0/11

Left In: 12.453+/-9.066 χ^2/NDF : 6.0/5

0.716+/-4.938 χ^2/NDF : 22.2/17

3.918+/-4.935 χ^2/NDF : 11.3/17

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs slug



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

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

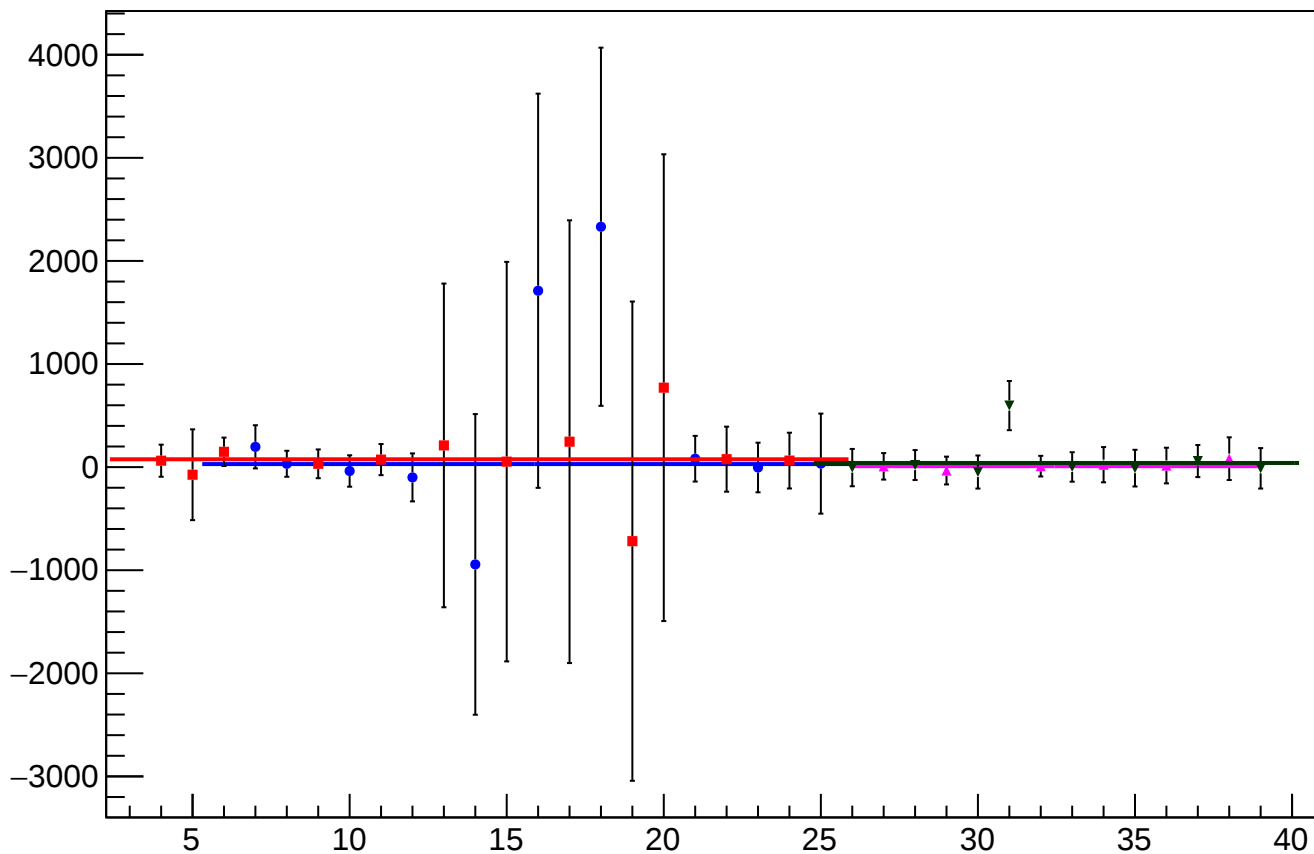
Right Out: 10.792+/-0.004 χ^2/NDF : 5922898.5/11

Left In: 17.657+/-0.006 χ^2/NDF : 46376.1/5

13.363+/-0.003 χ^2/NDF : 5914411.3/17

12.826+/-0.003 χ^2/NDF : 6776379.1/17

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs slug



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

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

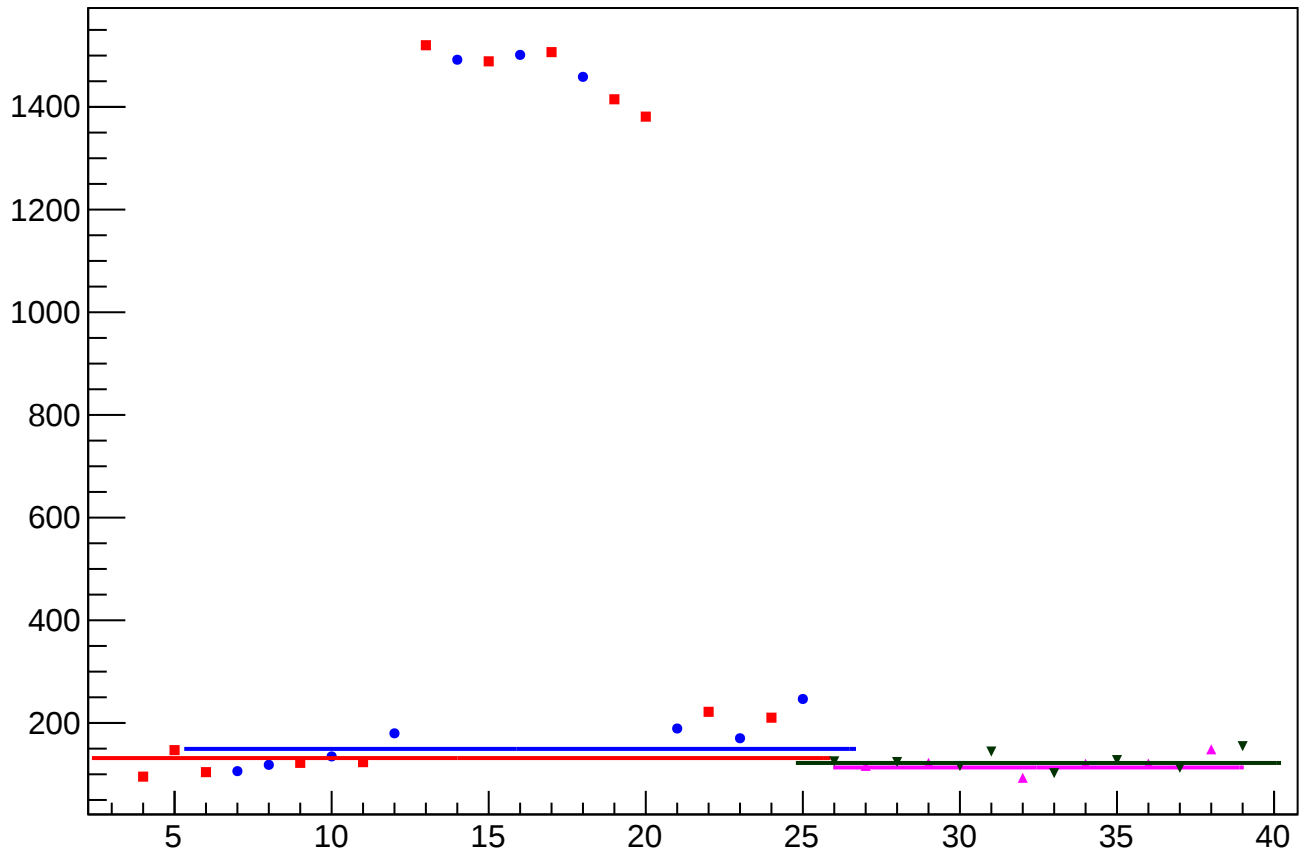
Right Out: 76.035+/-67.528 χ^2/NDF : 0.7/11

Left In: 9.162+/-57.119 χ^2/NDF : 0.2/5

35.923+/-46.013 χ^2/NDF : 10.3/17

37.053+/-43.610 χ^2/NDF : 1.5/17

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs slug



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

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

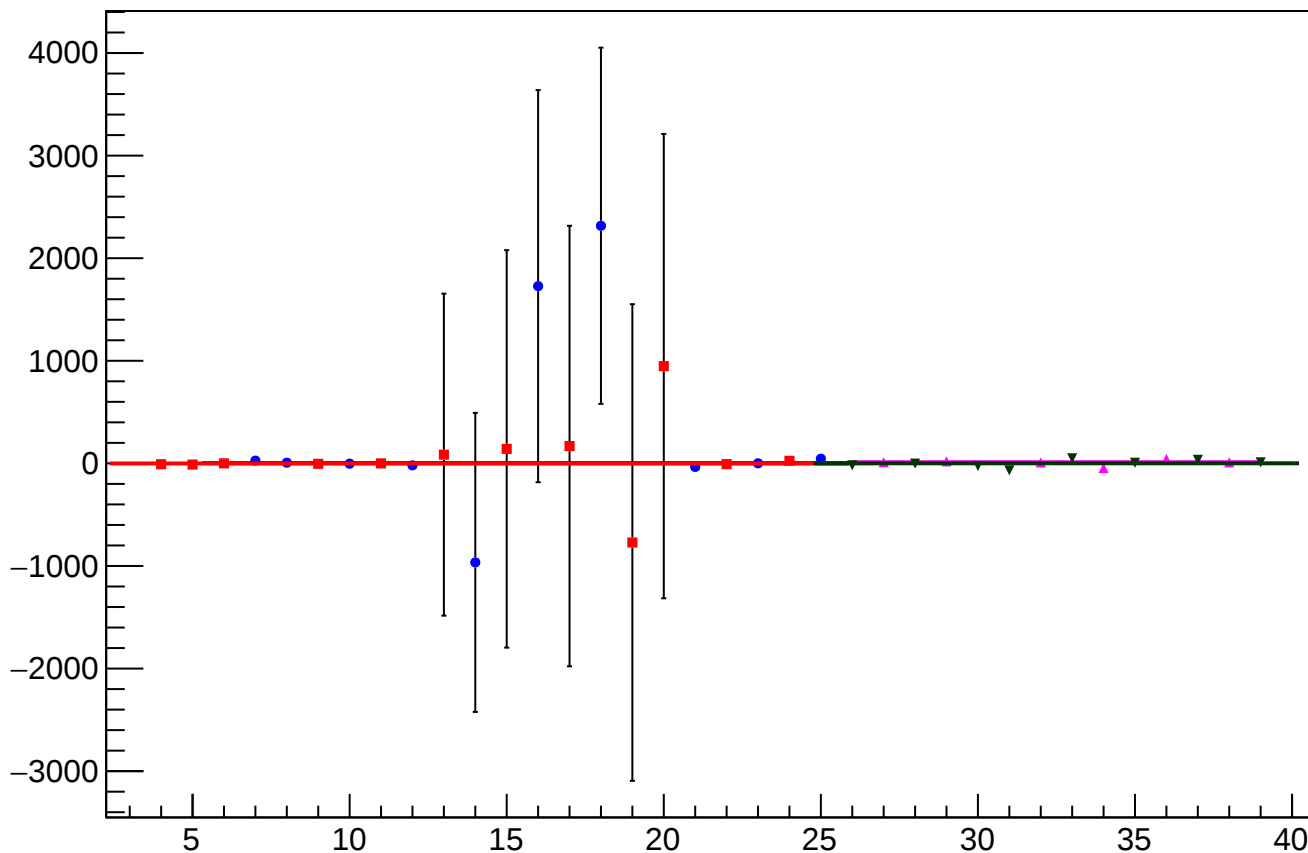
133.125+/-0.033 χ^2/NDF : 4545007.6/17

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

120.961+/-0.031 χ^2/NDF : 5362544.7/17

Left In: 113.337+/-0.040 χ^2/NDF : 156470.7/5

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs slug



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

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

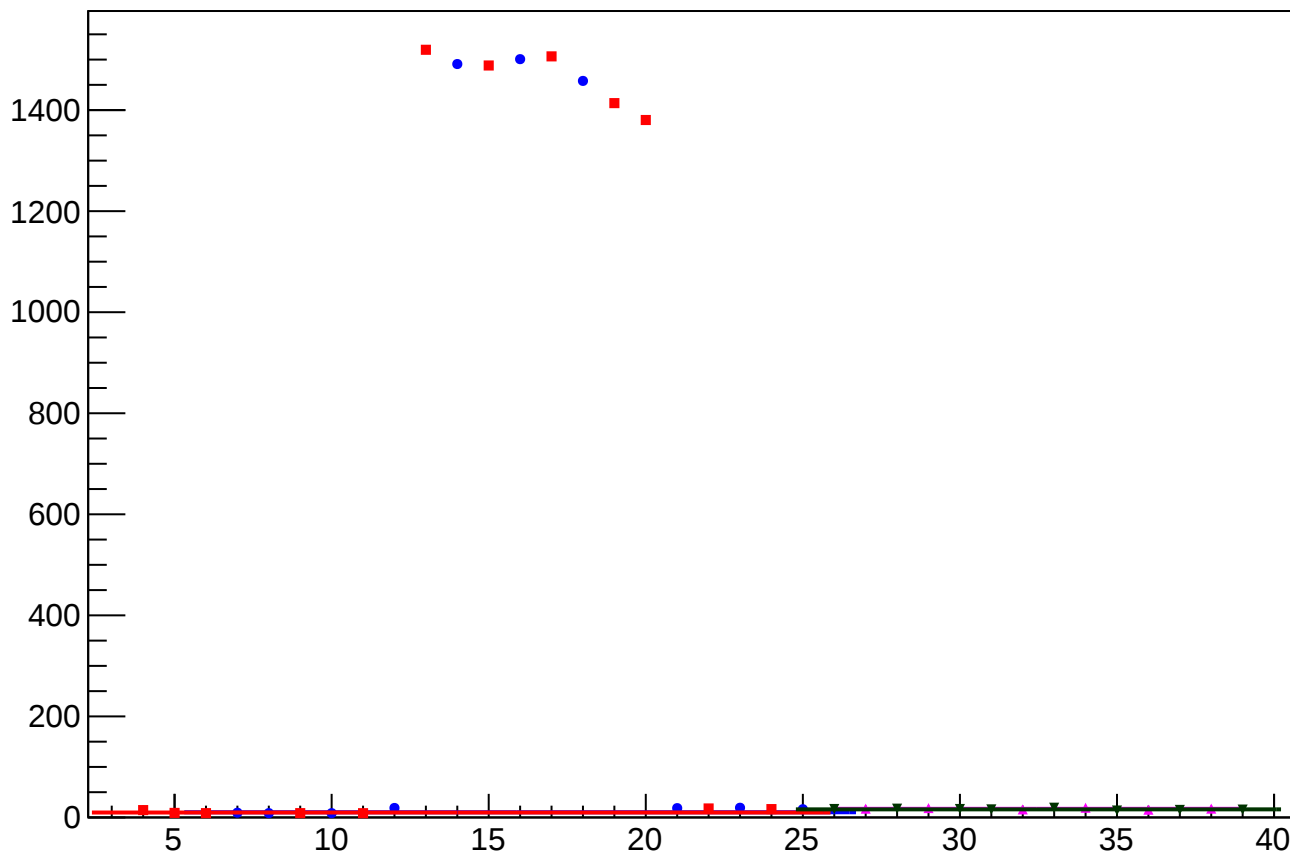
Right Out: -0.797+/-5.364 χ^2/NDF : 2.2/11

Left In: 11.641+/-8.814 χ^2/NDF : 6.1/5

1.990+/-4.576 χ^2/NDF : 24.3/17

2.565+/-4.582 χ^2/NDF : 9.7/17

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs slug



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

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

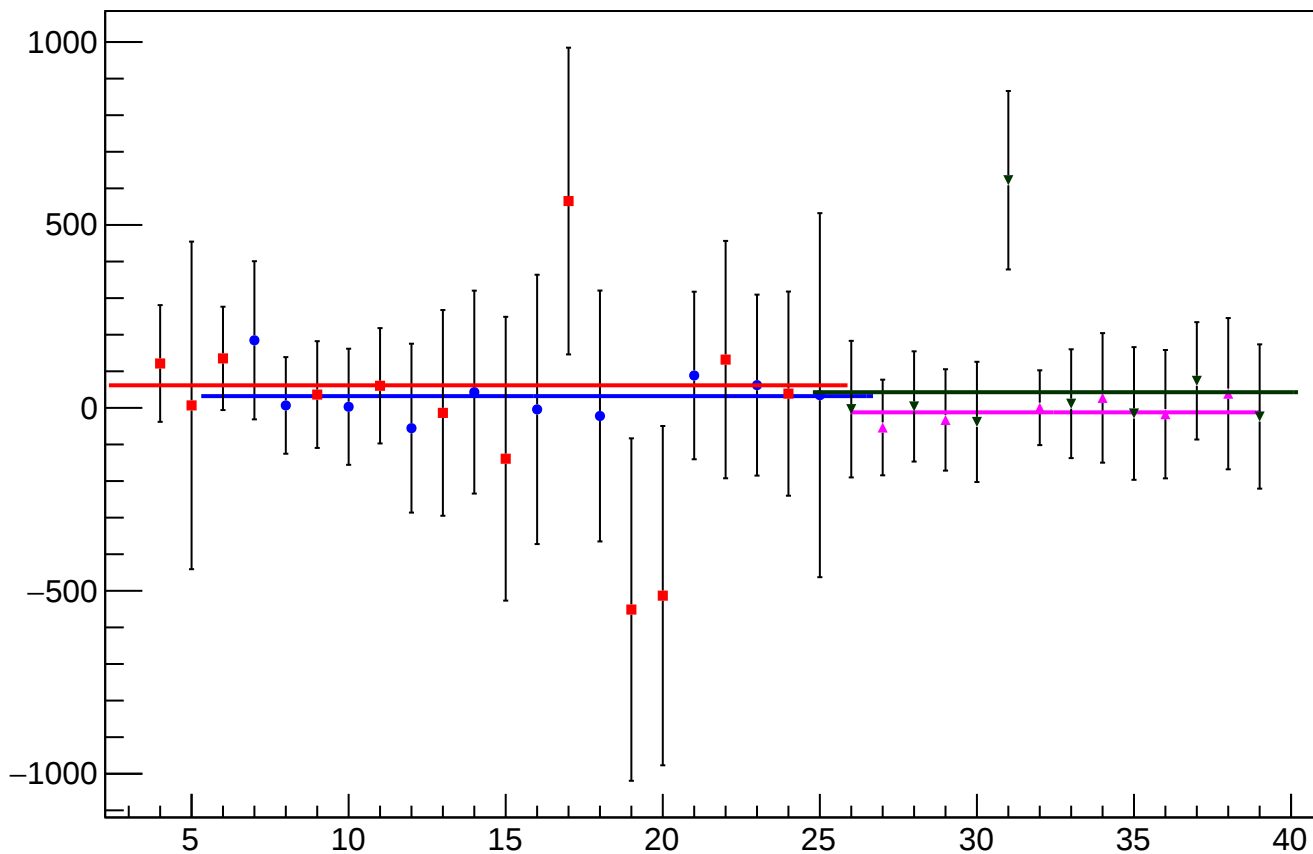
Right Out: 9.764+/-0.004 χ^2/NDF : 6008777.0/11

Left In: 17.128+/-0.006 χ^2/NDF : 42375.1/5

12.198+/-0.003 χ^2/NDF : 6285189.4/17

11.754+/-0.003 χ^2/NDF : 7069997.5/17

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs slug



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

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

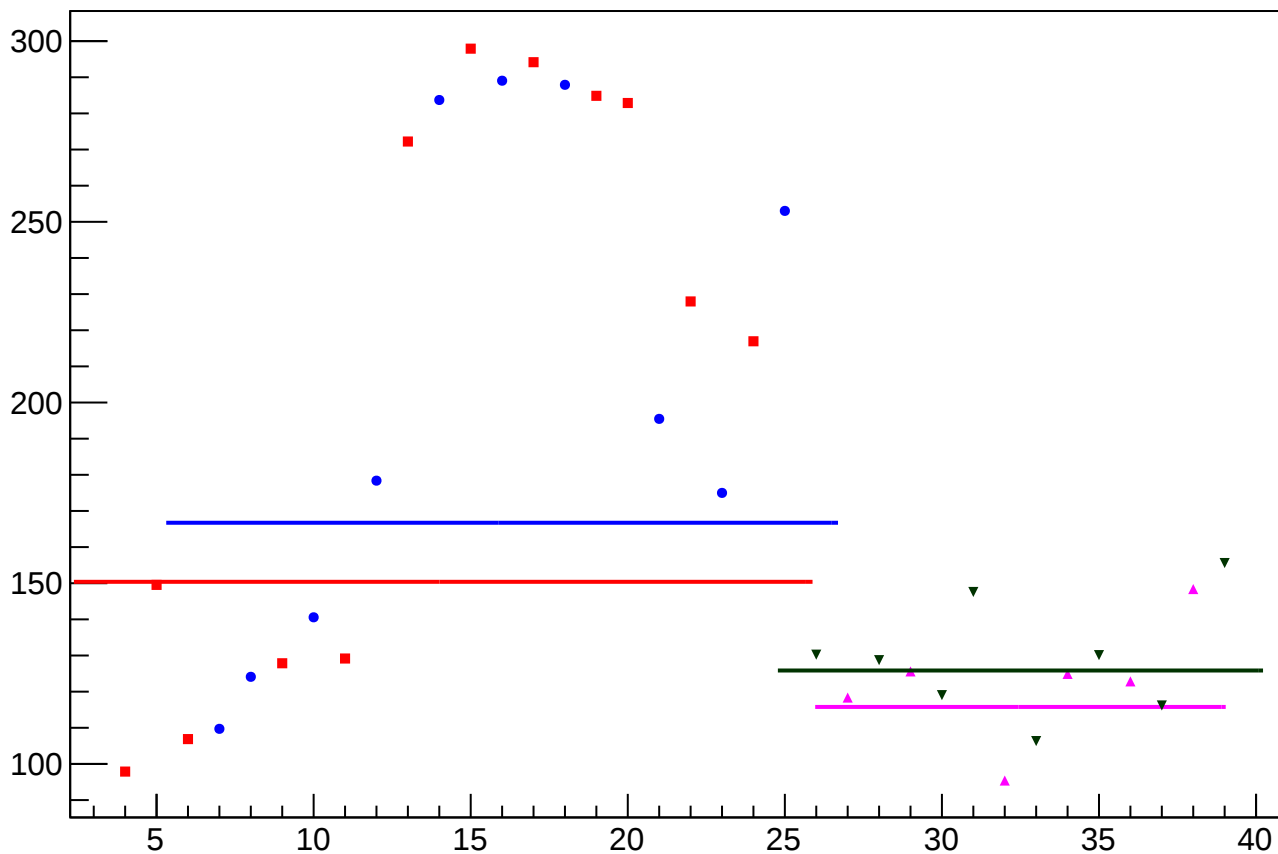
Right Out: 61.700+/-64.794 χ^2/NDF : 5.5/11

Left In: -12.190+/-58.313 χ^2/NDF : 0.2/5

38.196+/-46.010 χ^2/NDF : 7.2/17

20.876+/-43.344 χ^2/NDF : 6.5/17

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: 125.852+/-0.043 χ^2/NDF : 109453.3/7

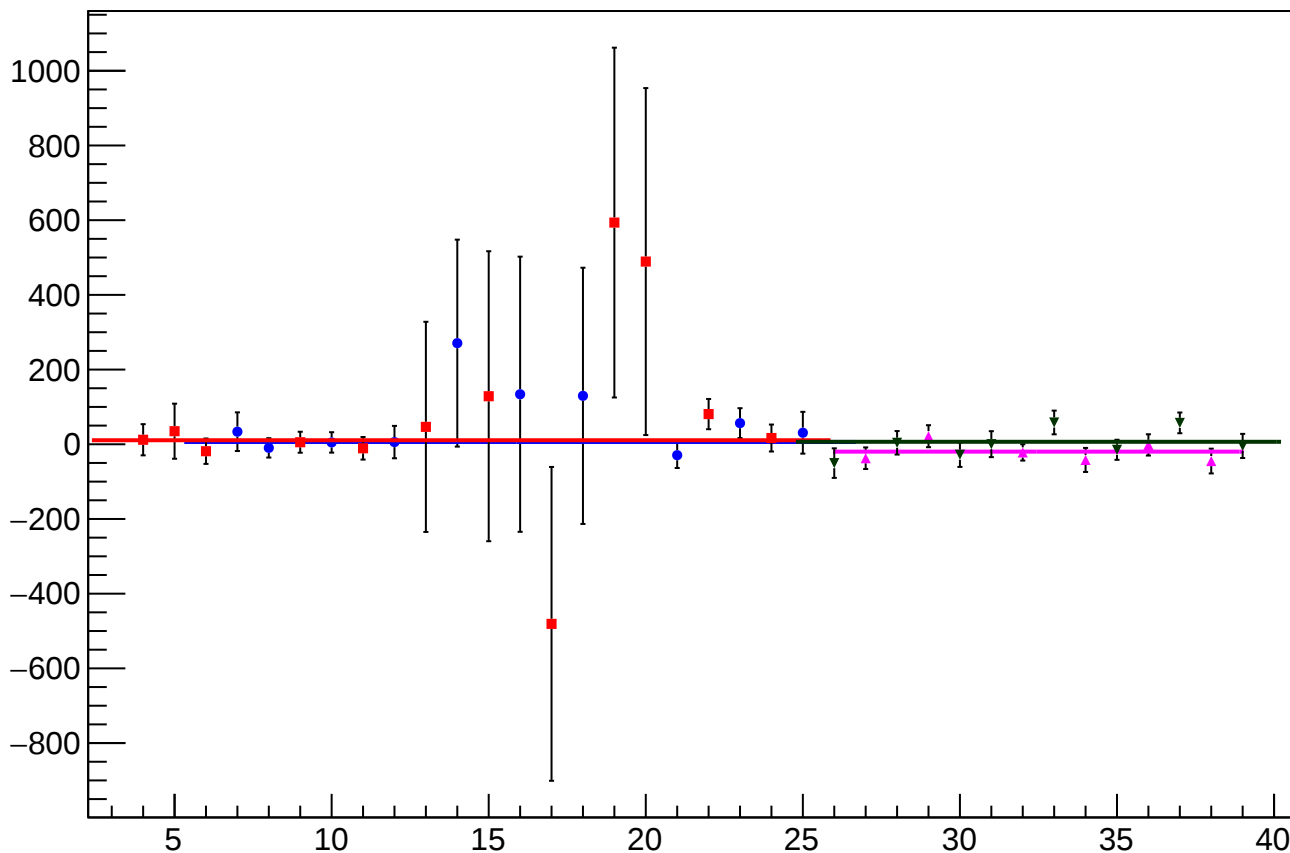
143.646+/-0.033 χ^2/NDF : 1825207.2/17

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

131.264+/-0.031 χ^2/NDF : 2411305.6/17

Left In: 115.771+/-0.041 χ^2/NDF : 148585.7/5

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs slug



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

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

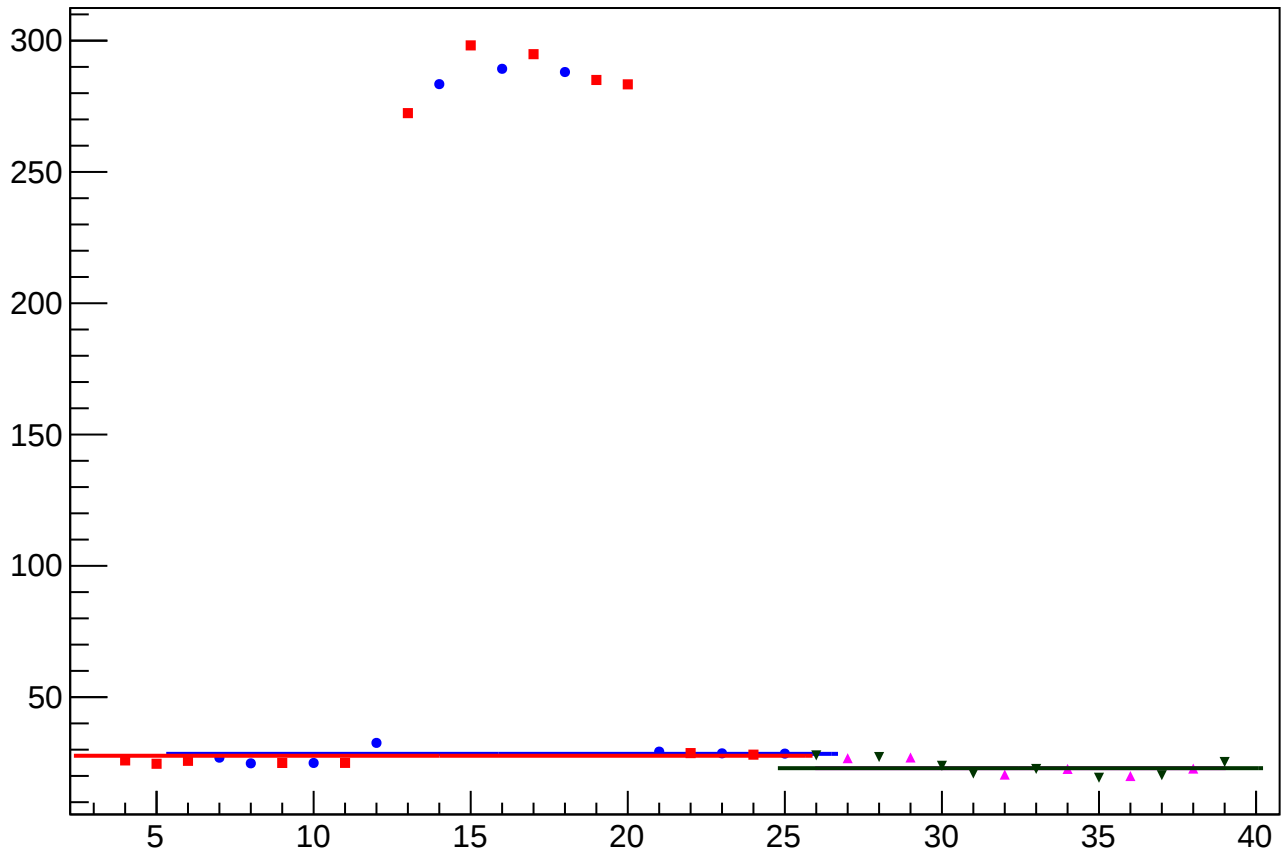
6.452 $\pm$ 8.577 χ^2 /NDF: 14.6/17

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

-6.990 $\pm$ 8.787 χ^2 /NDF: 15.2/17

Left In: -19.705 $\pm$ 11.507 χ^2 /NDF:3.8/5

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs slug



Right In: 28.406+/-0.009 χ^2/NDF : 3936040.7/9

Left Out: 22.949+/-0.008 χ^2/NDF : 141337.7/7

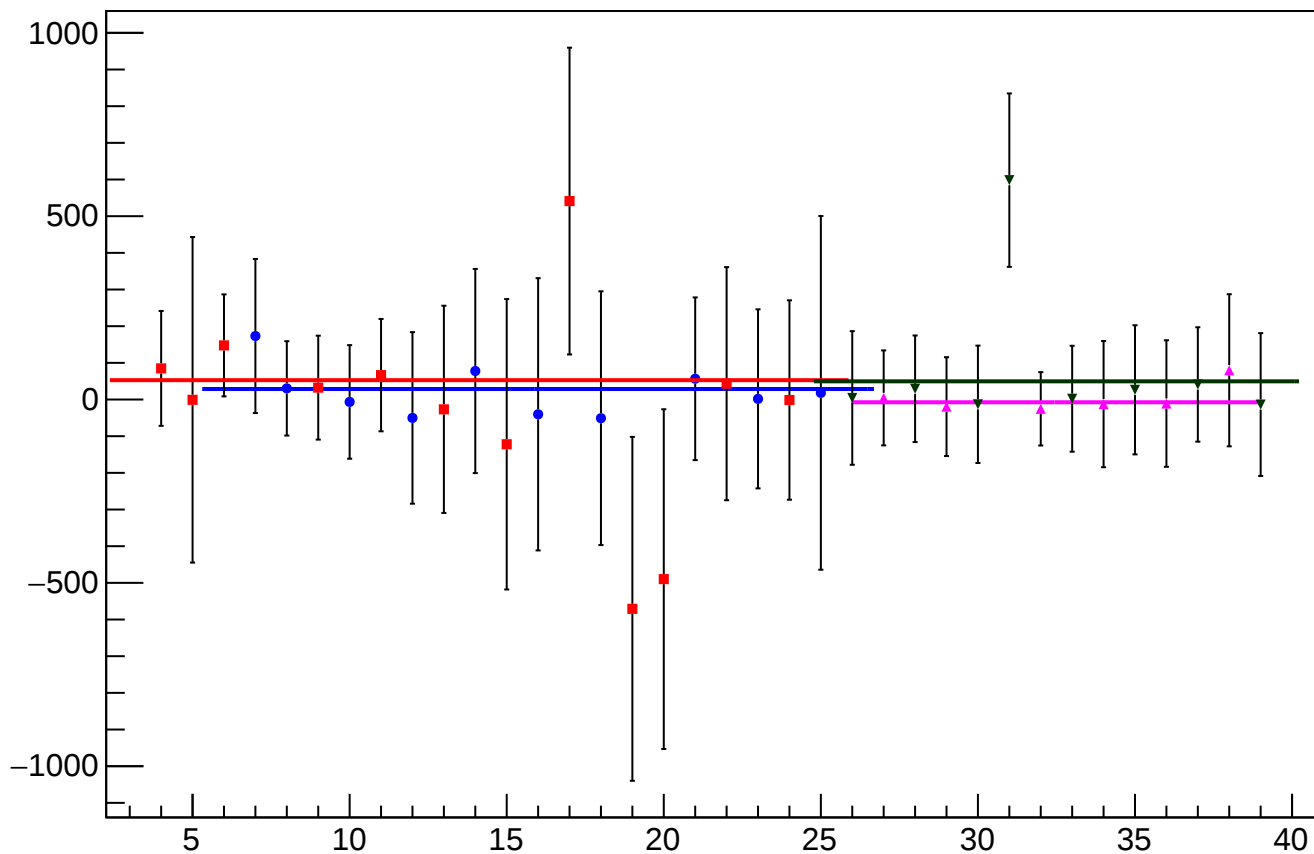
Right Out: 27.683+/-0.010 χ^2/NDF : 4553149.3/11

Left In: 22.957+/-0.008 χ^2/NDF : 120094.9/5

25.176+/-0.006 χ^2/NDF : 4272980.4/17

24.927+/-0.006 χ^2/NDF : 4813835.5/17

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs slug



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

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

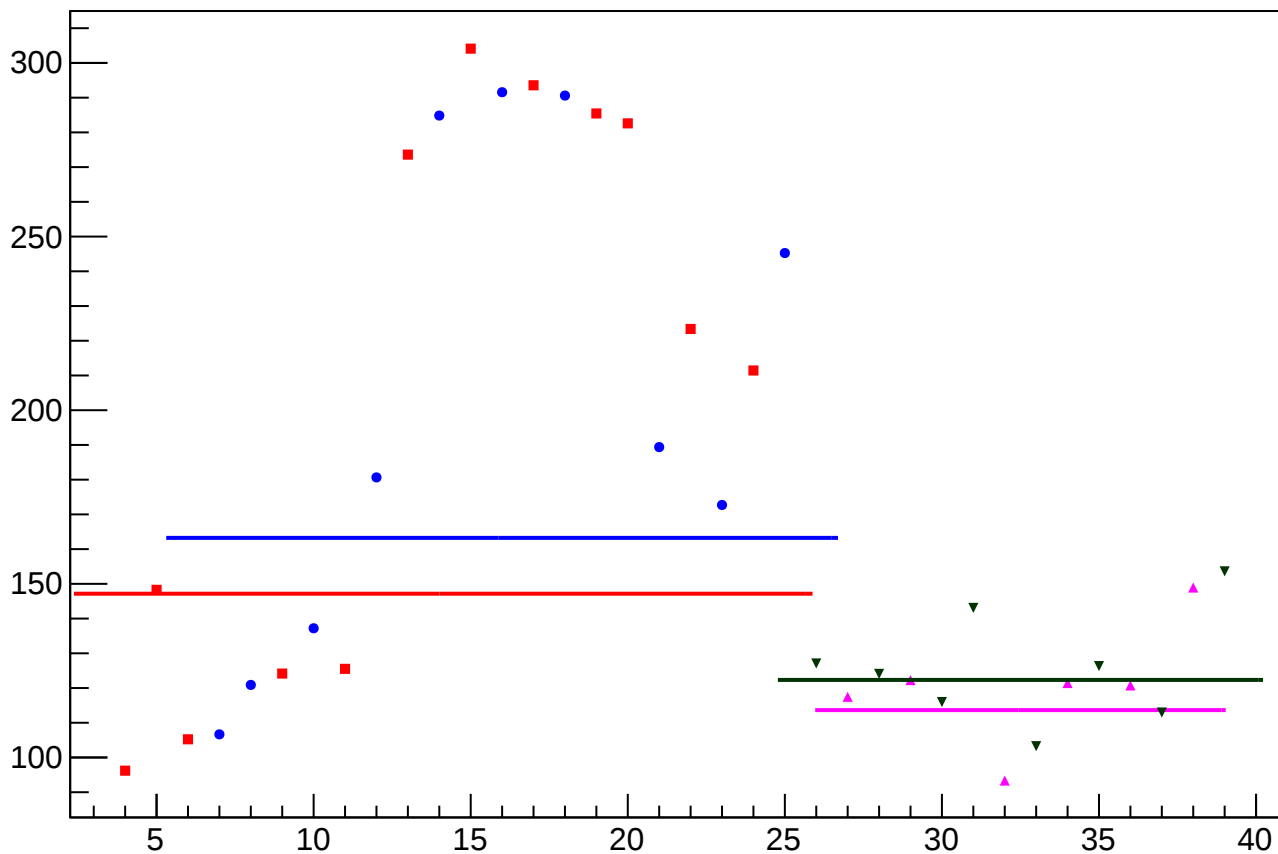
Right Out: 52.783+/-63.607 χ^2/NDF : 5.4/11

Left In: -7.452+/-57.255 χ^2/NDF : 0.2/5

40.607+/-44.950 χ^2/NDF : 6.7/17

19.508+/-42.554 χ^2/NDF : 6.1/17

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs slug



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

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

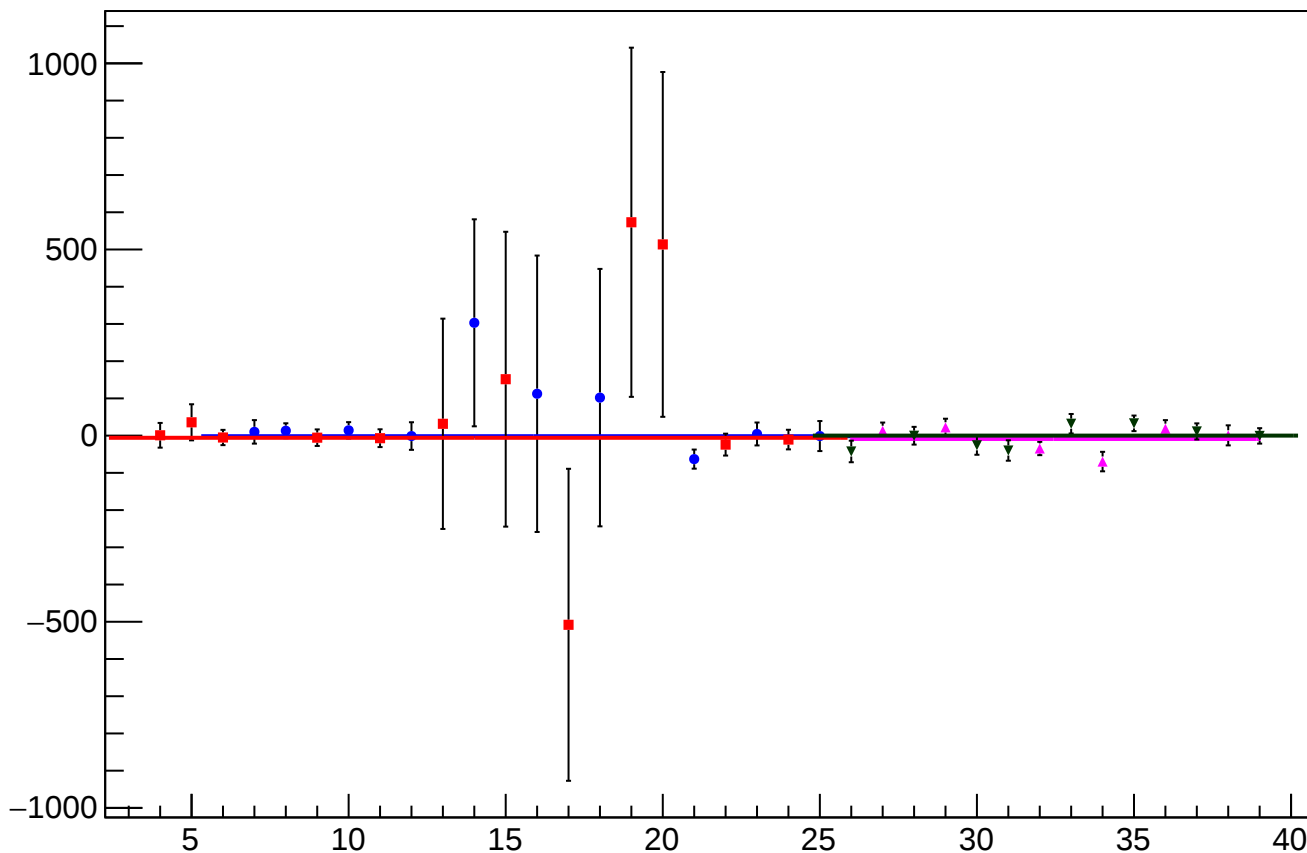
Right Out: 147.160+/-0.045 χ^2/NDF : 2017224.8/11

Left In: 113.645+/-0.040 χ^2/NDF :157519.2/5

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

128.646+/-0.030 χ^2/NDF : 2481482.0/17

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs slug



Right In: -1.518 ± 10.249 $\chi^2/\text{NDF}: 8.4/9$

Left Out: 0.058 ± 8.444 $\chi^2/\text{NDF}: 9.6/7$

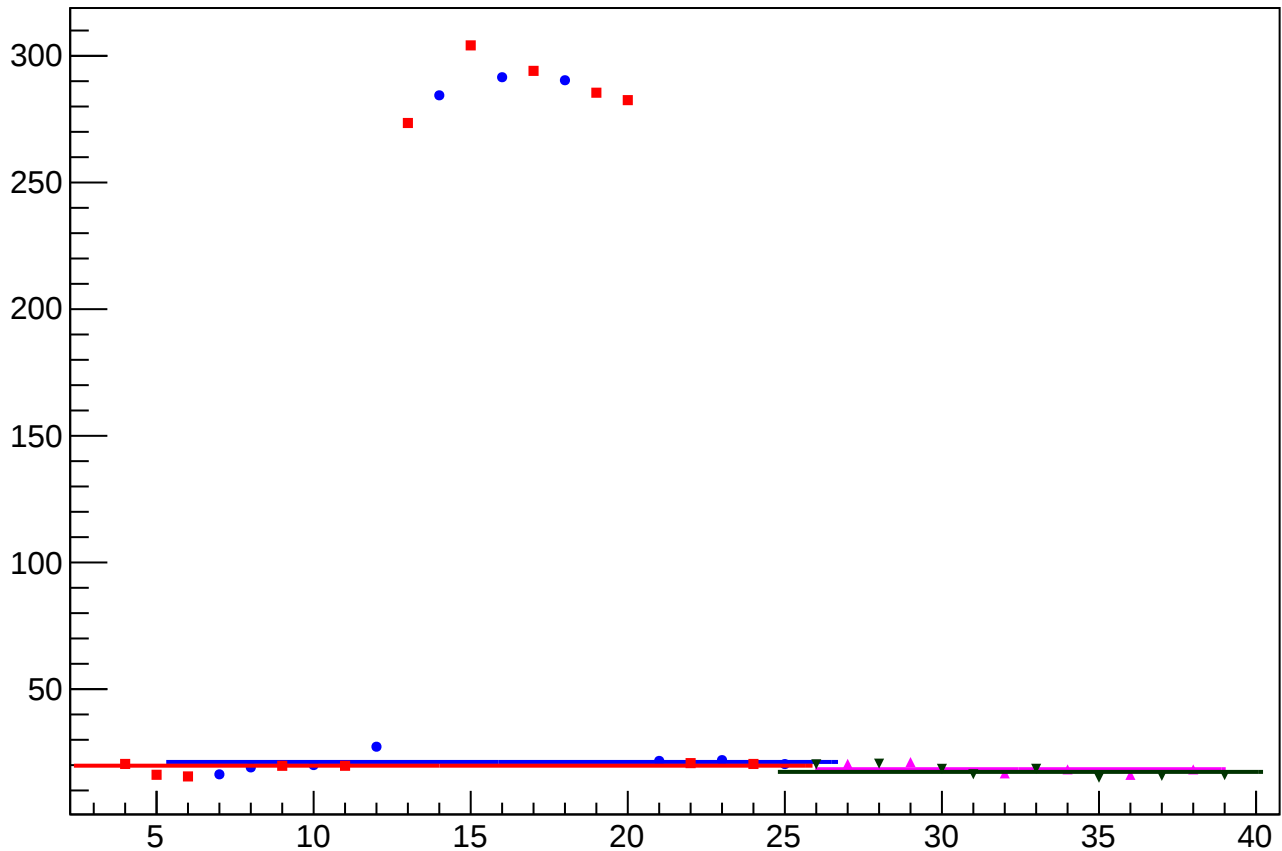
Right Out: -5.806 ± 9.942 $\chi^2/\text{NDF}: 5.6/11$

Left In: -9.035 ± 9.241 $\chi^2/\text{NDF}: 11.7/5$

-0.579 ± 6.517 $\chi^2/\text{NDF}: 18.0/17$

-7.538 ± 6.769 $\chi^2/\text{NDF}: 17.4/17$

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs slug



Right In: 21.255 ± 0.007 $\chi^2/\text{NDF}: 4196684.5/9$

Left Out: 17.327 ± 0.006 $\chi^2/\text{NDF}: 112639.7/7$

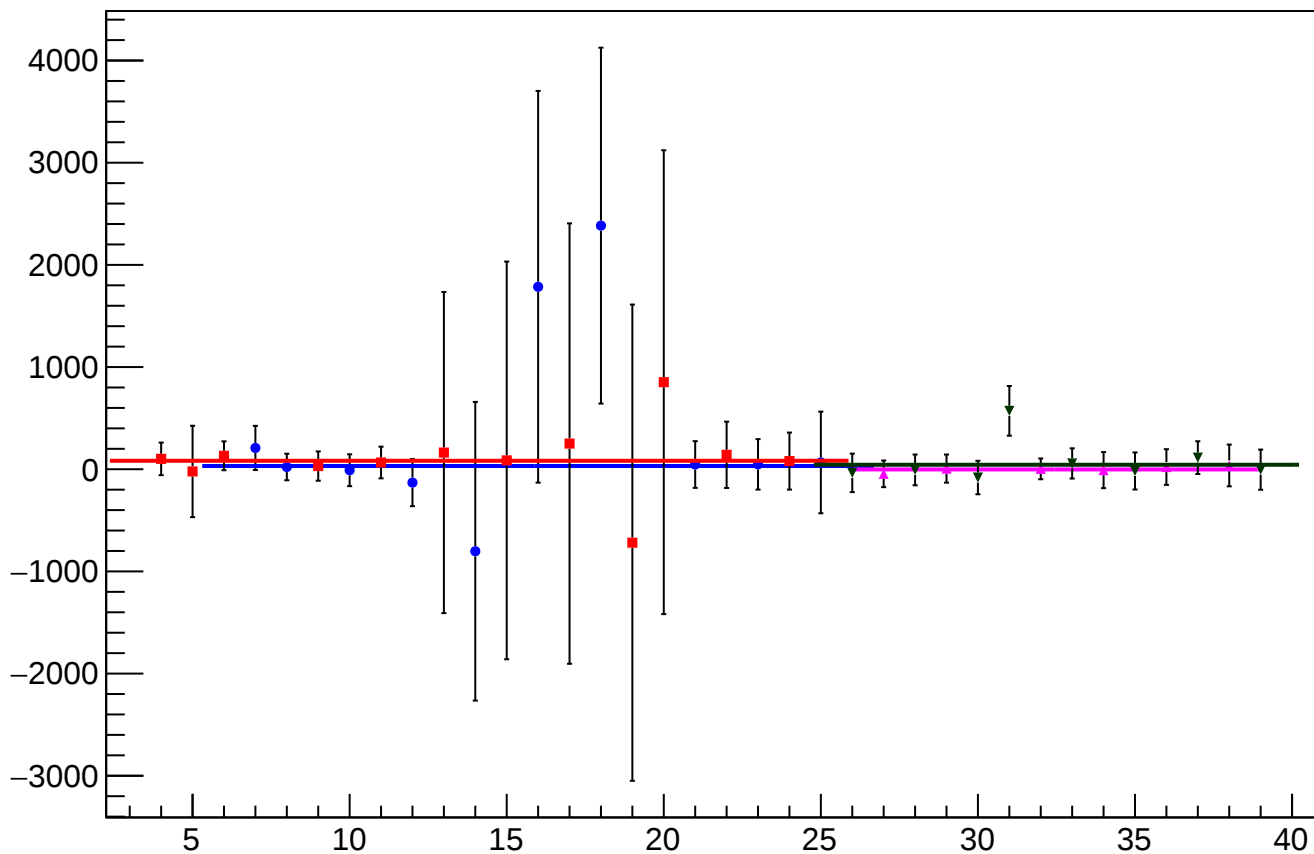
18.916 ± 0.005 $\chi^2/\text{NDF}: 4484307.1/17$

Right Out: 19.779 ± 0.007 $\chi^2/\text{NDF}: 4888350.3/11$

19.036 ± 0.005 $\chi^2/\text{NDF}: 4992765.0/17$

Left In: 18.393 ± 0.007 $\chi^2/\text{NDF}: 83566.7/5$

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs slug



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

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

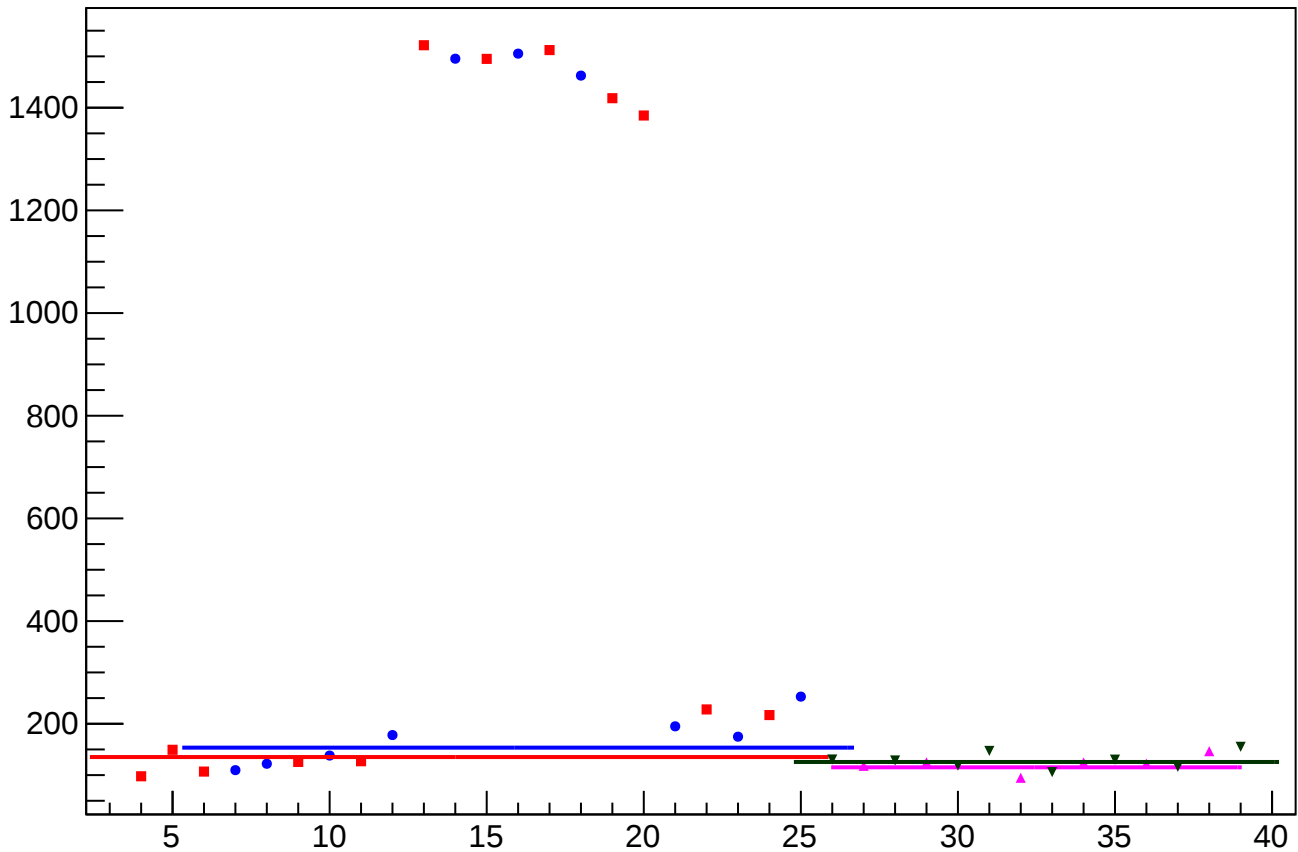
Right Out: 82.898+/-69.271 χ^2/NDF : 0.6/11

Left In: -2.173+/-58.028 χ^2/NDF : 0.2/5

38.881+/-47.208 χ^2/NDF : 10.2/17

32.907+/-44.483 χ^2/NDF : 1.7/17

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs slug



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

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

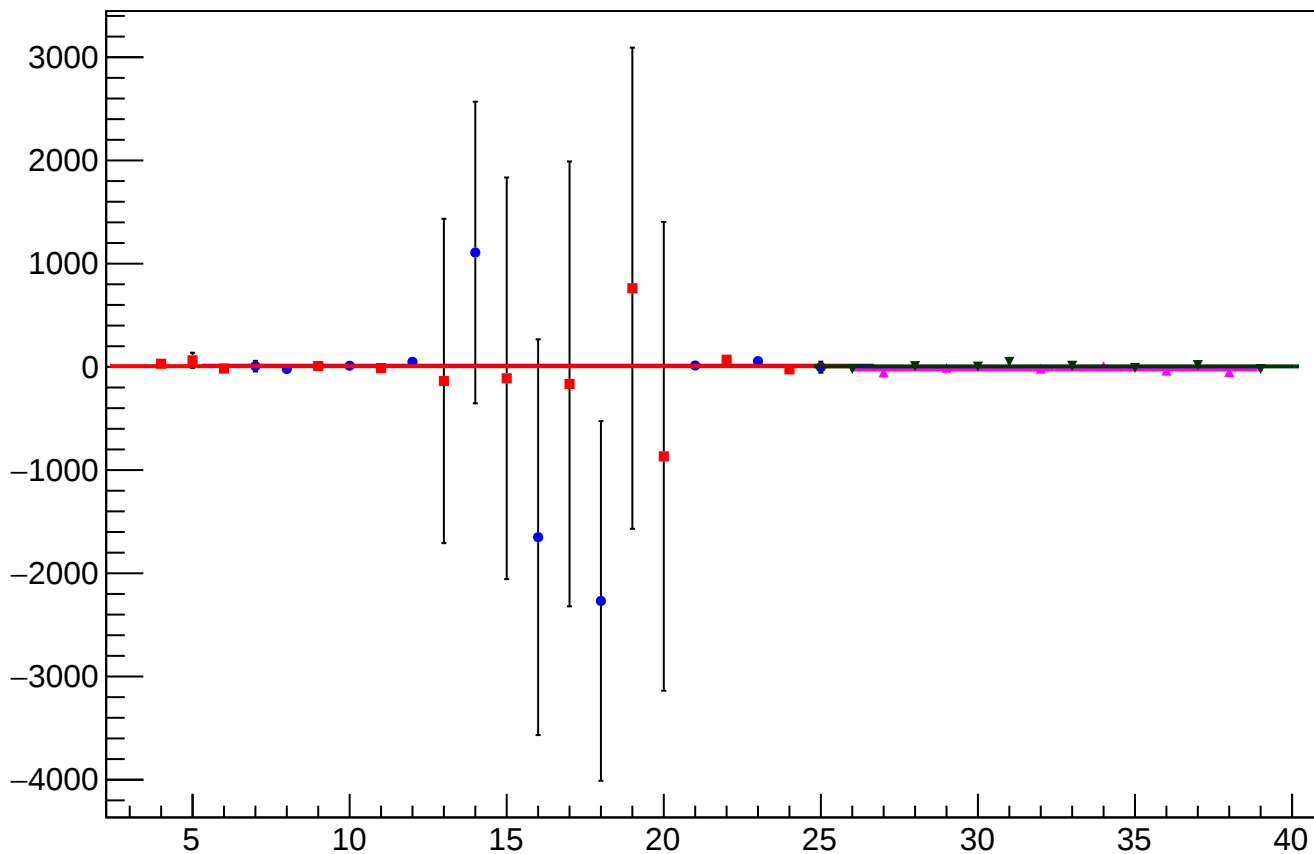
136.877+/-0.033 χ^2/NDF : 4491566.9/17

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

123.441+/-0.031 χ^2/NDF : 5350258.8/17

Left In: 115.193+/-0.041 χ^2/NDF : 147410.6/5

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs slug



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

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

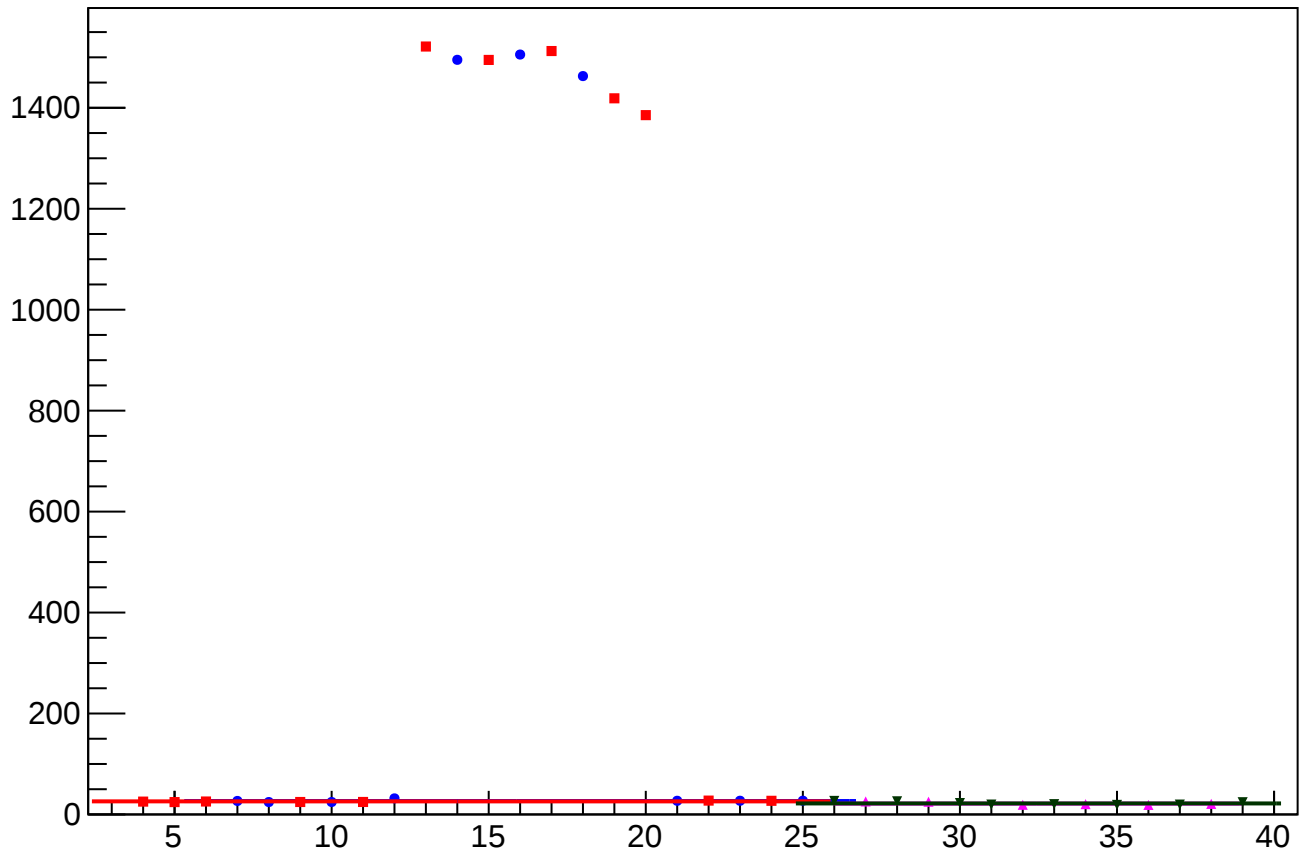
Right Out: 6.946+/-13.410 χ^2/NDF : 5.5/11

Left In: -24.458+/-10.680 χ^2/NDF : 3.6/5

6.995+/-8.220 χ^2/NDF : 10.5/17

-12.269+/-8.354 χ^2/NDF : 12.4/17

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs slug



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

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

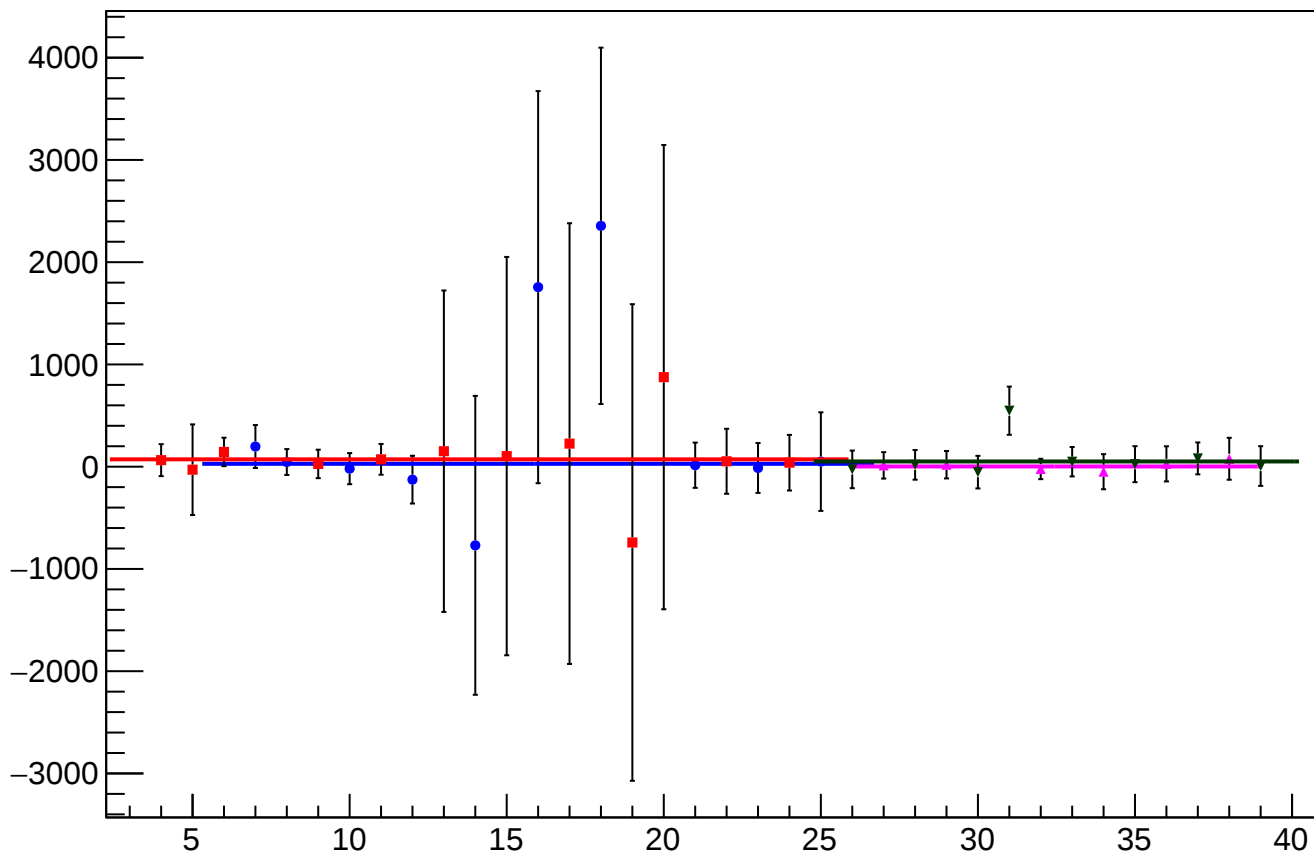
Right Out: 25.943+/-0.009 χ^2 /NDF: 5346963.3/11

Left In: 21.442+/-0.008 χ^2 /NDF:131276.5/5

23.718+/-0.006 χ^2 /NDF: 4923958.3/17

23.189+/-0.006 χ^2 /NDF: 5616094.1/17

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs slug



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

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

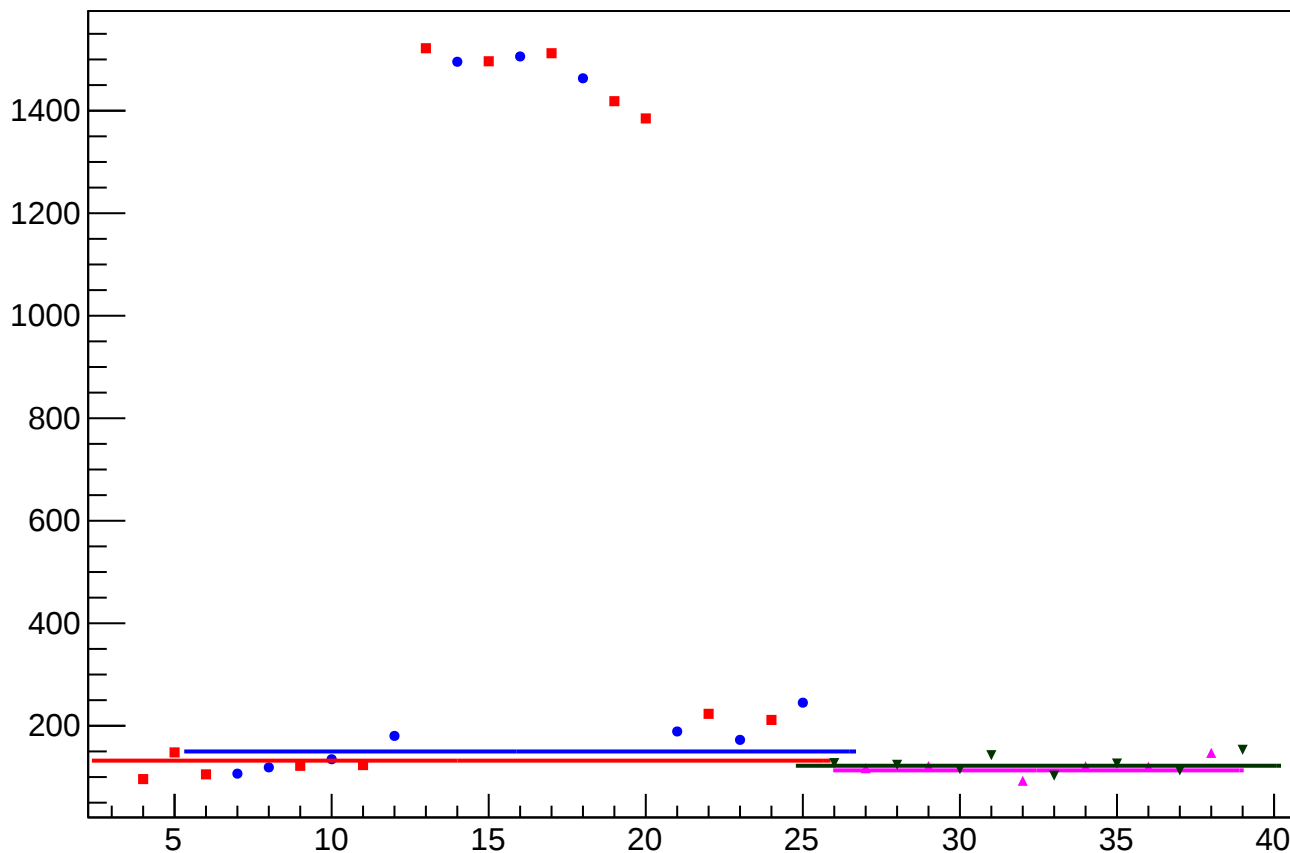
Right Out: 72.031+/-67.714 χ^2/NDF : 0.7/11

Left In: 2.274+/-56.965 χ^2/NDF : 0.3/5

42.044+/-46.026 χ^2/NDF : 9.4/17

31.182+/-43.591 χ^2/NDF : 1.7/17

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs slug



Right In: 149.902+/-0.051 χ^2/NDF : 4247419.3/9

Left Out: 122.063+/-0.042 χ^2/NDF : 116188.2/7

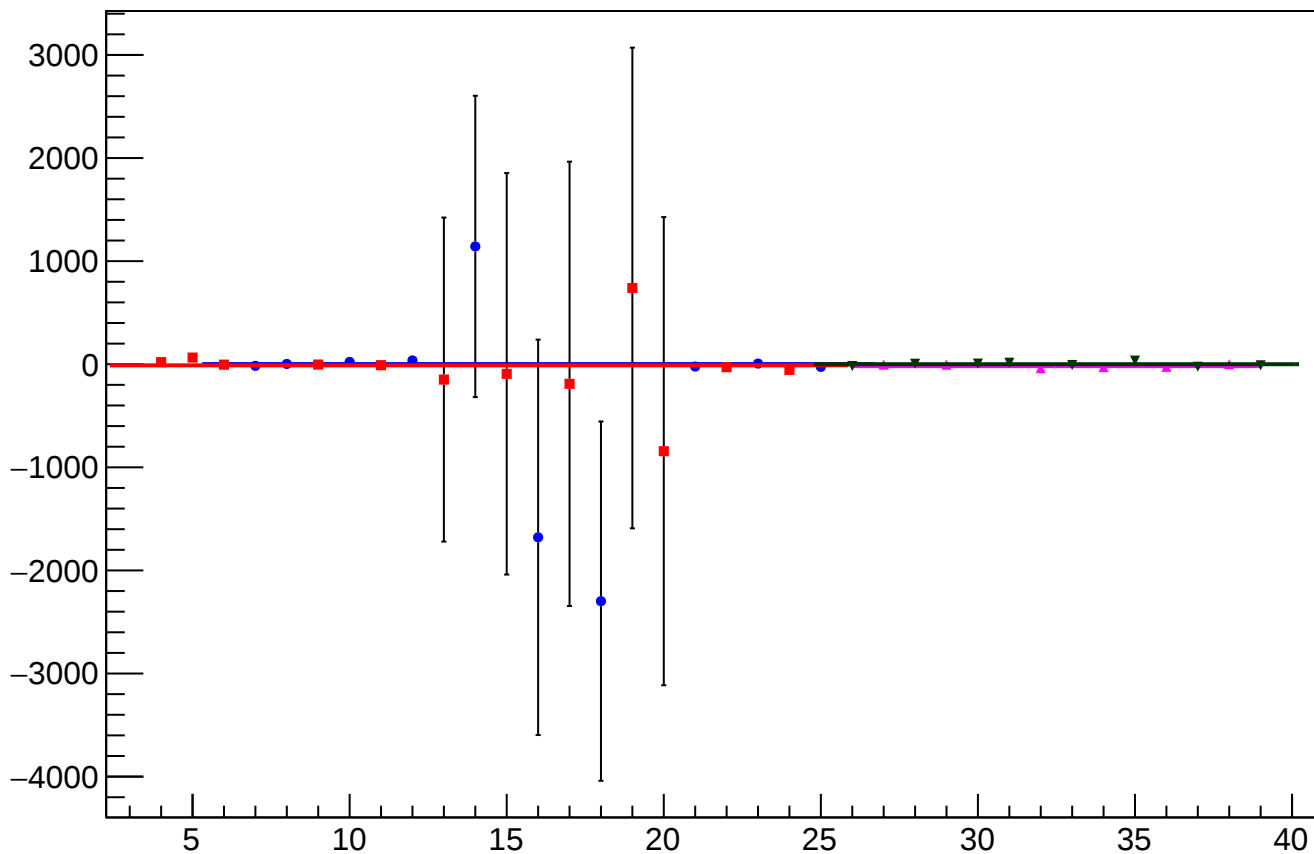
Right Out: 132.035+/-0.048 χ^2/NDF : 5119688.9/11

Left In: 113.055+/-0.040 χ^2/NDF : 156688.6/5

133.230+/-0.033 χ^2/NDF : 4539372.7/17

120.921+/-0.031 χ^2/NDF : 5368389.6/17

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs slug



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

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

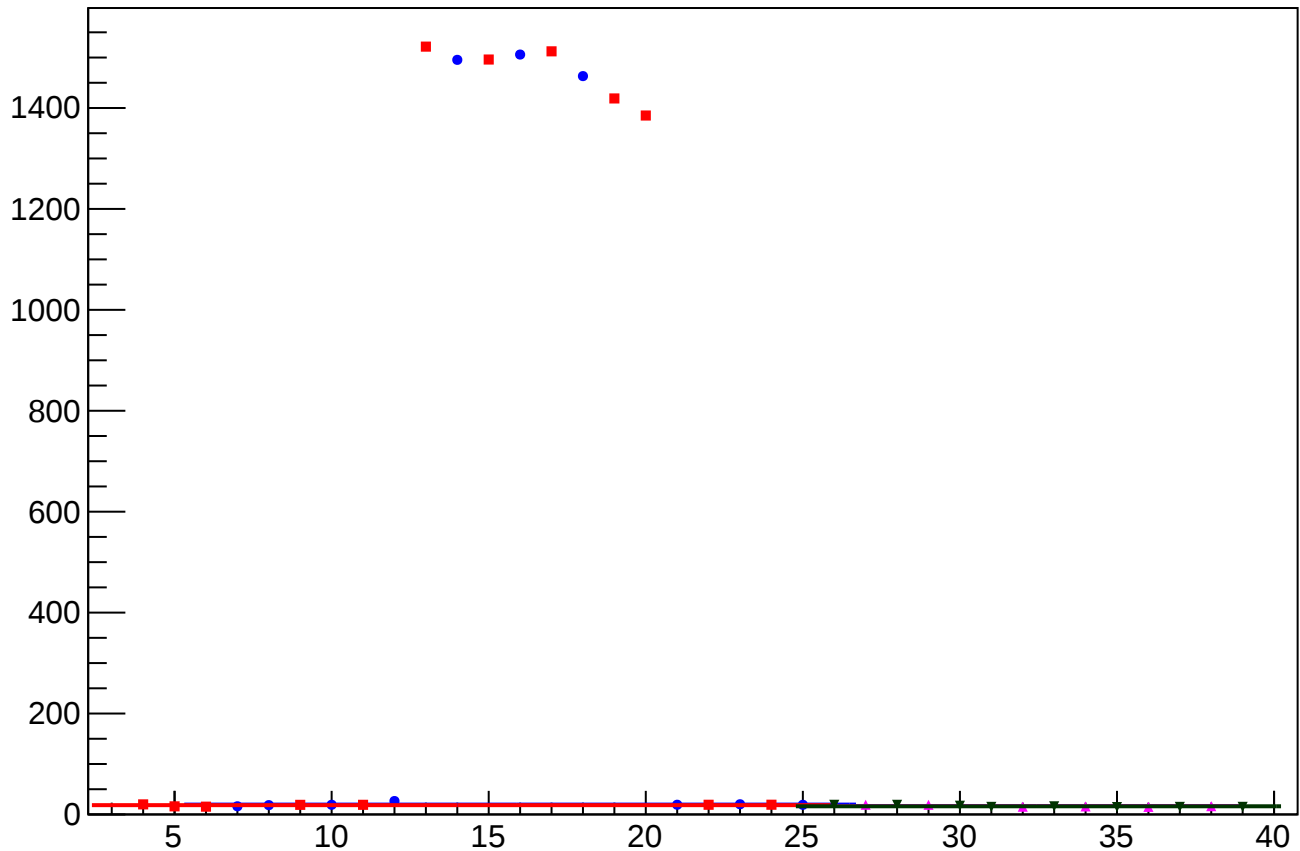
0.723+/-6.092 χ^2/NDF : 12.8/17

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

-15.162+/-6.295 χ^2/NDF : 11.2/17

Left In: -18.639+/-8.335 χ^2/NDF : 3.4/5

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs slug



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

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

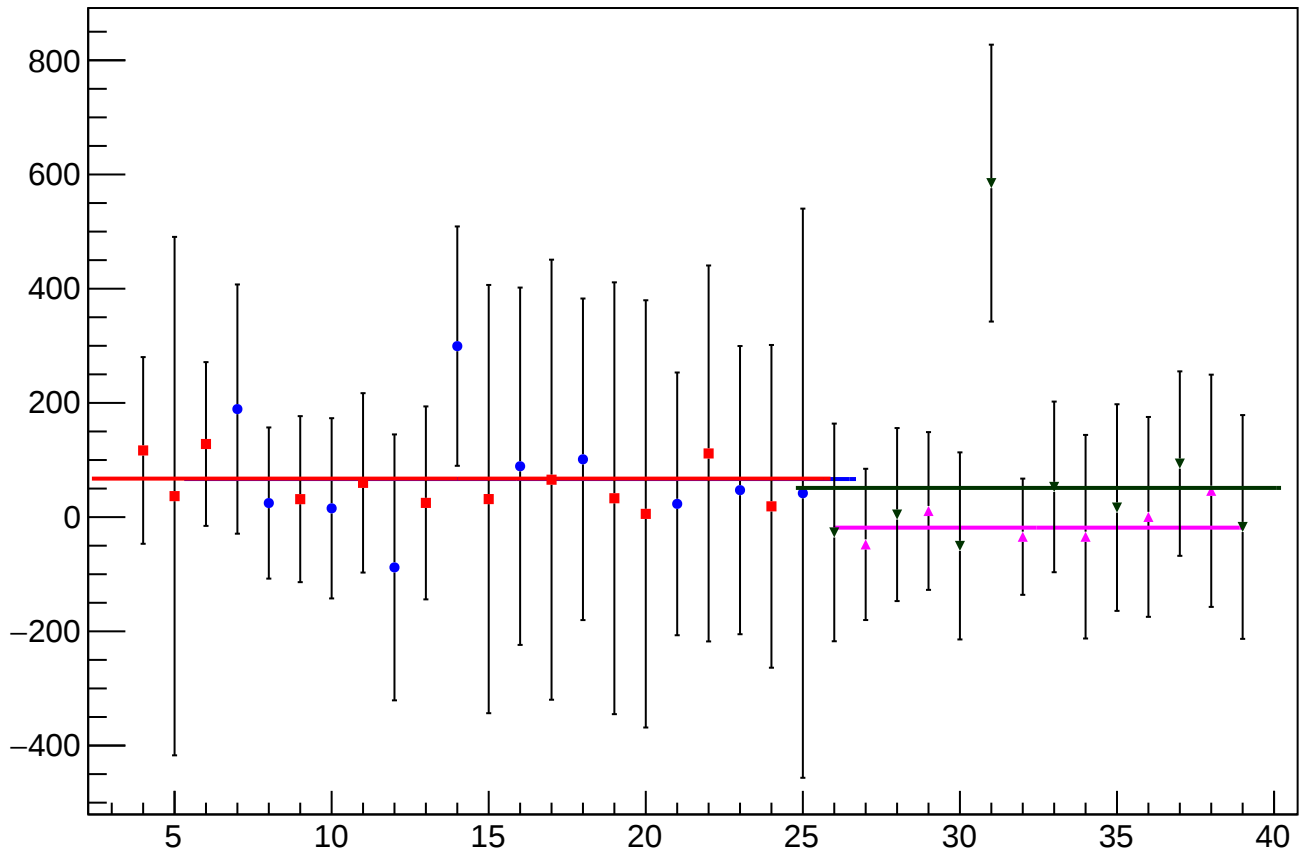
Right Out: 18.441+/-0.007 χ^2/NDF : 5449094.8/11

Left In: 16.779+/-0.006 χ^2/NDF : 84603.5/5

17.521+/-0.004 χ^2/NDF : 4955365.5/17

17.493+/-0.004 χ^2/NDF : 5567861.0/17

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: 51.132 $\pm$ 61.417 χ^2 /NDF: 5.7/7

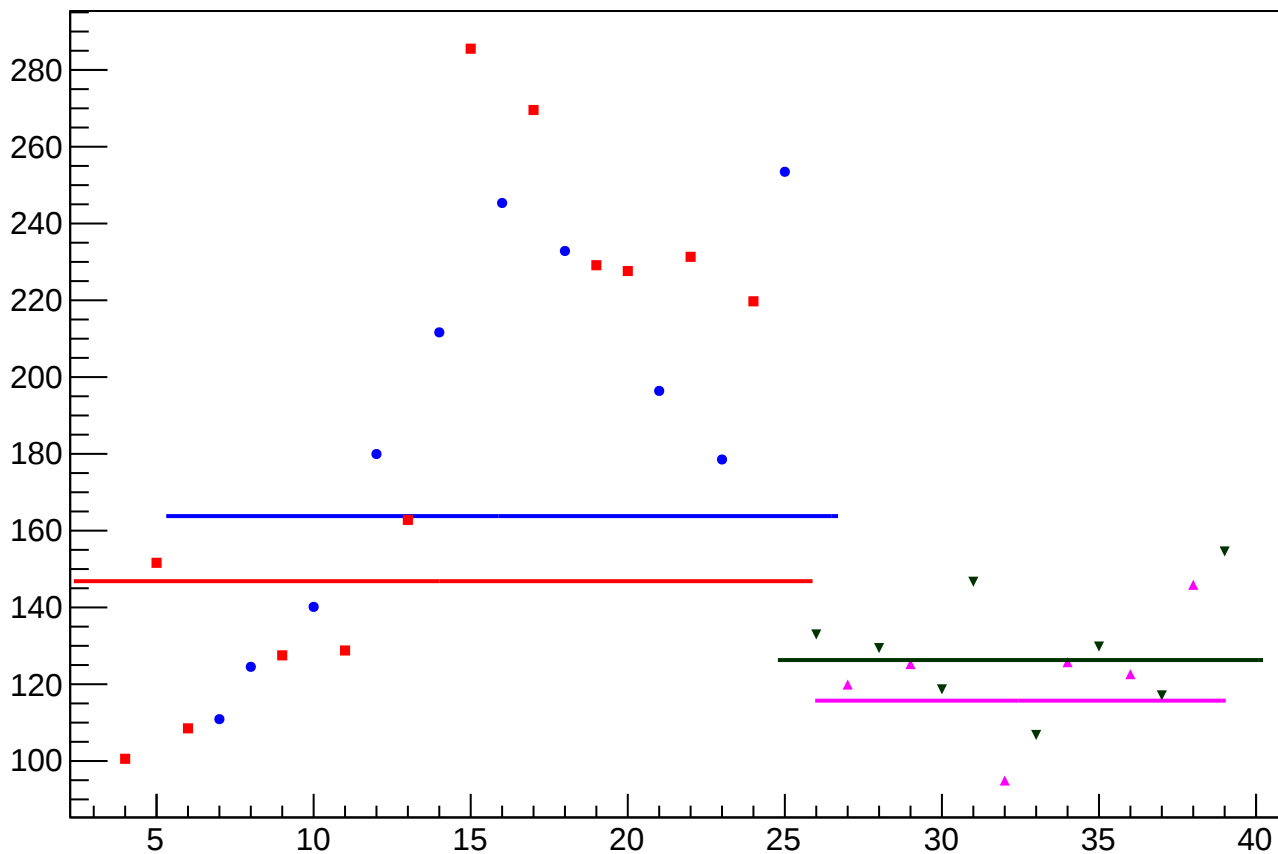
Right Out: 67.441 $\pm$ 61.599 χ^2 /NDF: 0.5/11

Left In: -18.437 $\pm$ 58.290 χ^2 /NDF: 0.2/5

58.204 $\pm$ 45.360 χ^2 /NDF: 8.0/17

22.134 $\pm$ 42.339 χ^2 /NDF: 1.8/17

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs slug



Right In: 163.792 $\pm$ 0.048 χ^2 /NDF: 820296.7/9

Left Out: 126.297 $\pm$ 0.043 χ^2 /NDF:104806.2/7

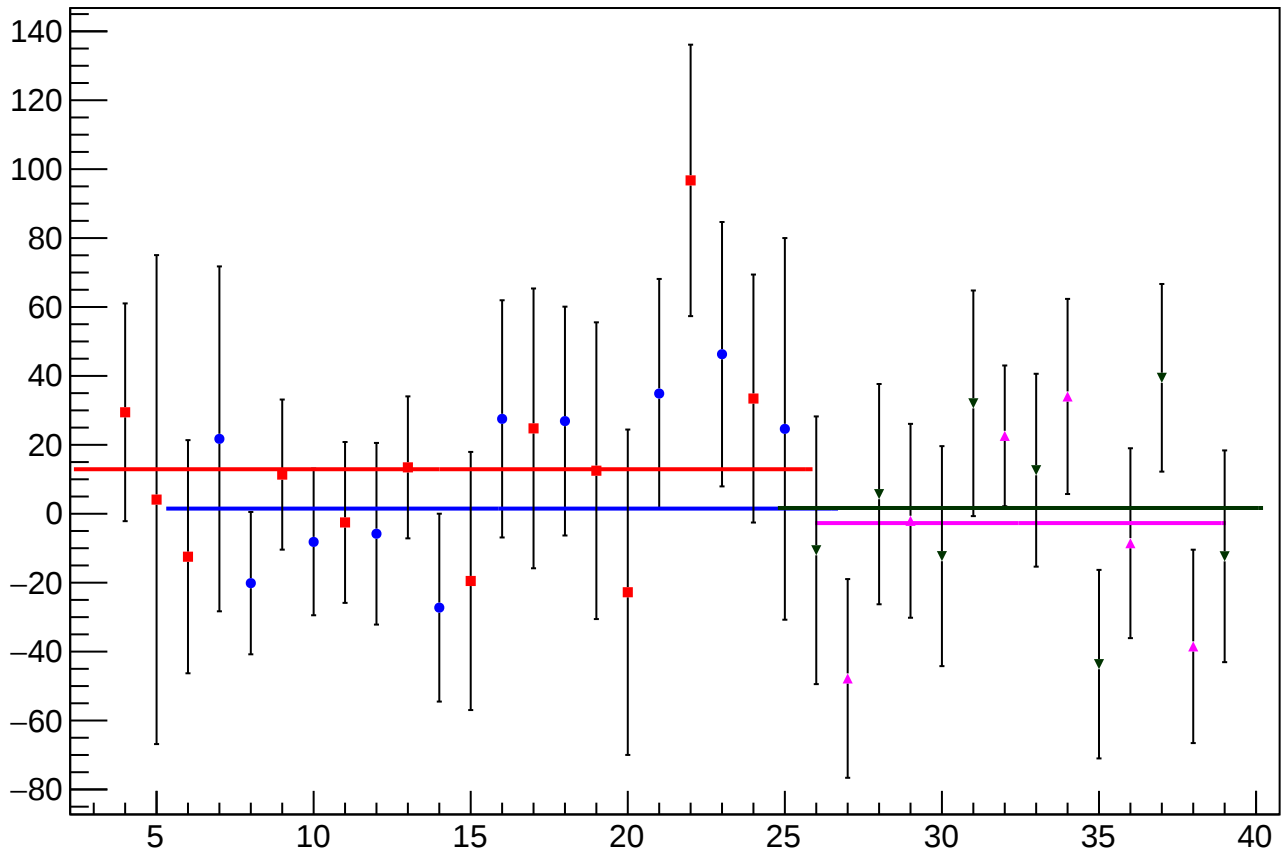
143.340 $\pm$ 0.032 χ^2 /NDF: 1263932.5/17

Right Out: 146.841 $\pm$ 0.044 χ^2 /NDF: 1312358.0/11

130.423 $\pm$ 0.030 χ^2 /NDF: 1730242.1/17

Left In: 115.722 $\pm$ 0.041 χ^2 /NDF:148596.9/5

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: 1.673 ± 10.797 $\chi^2/\text{NDF}: 6.2/7$

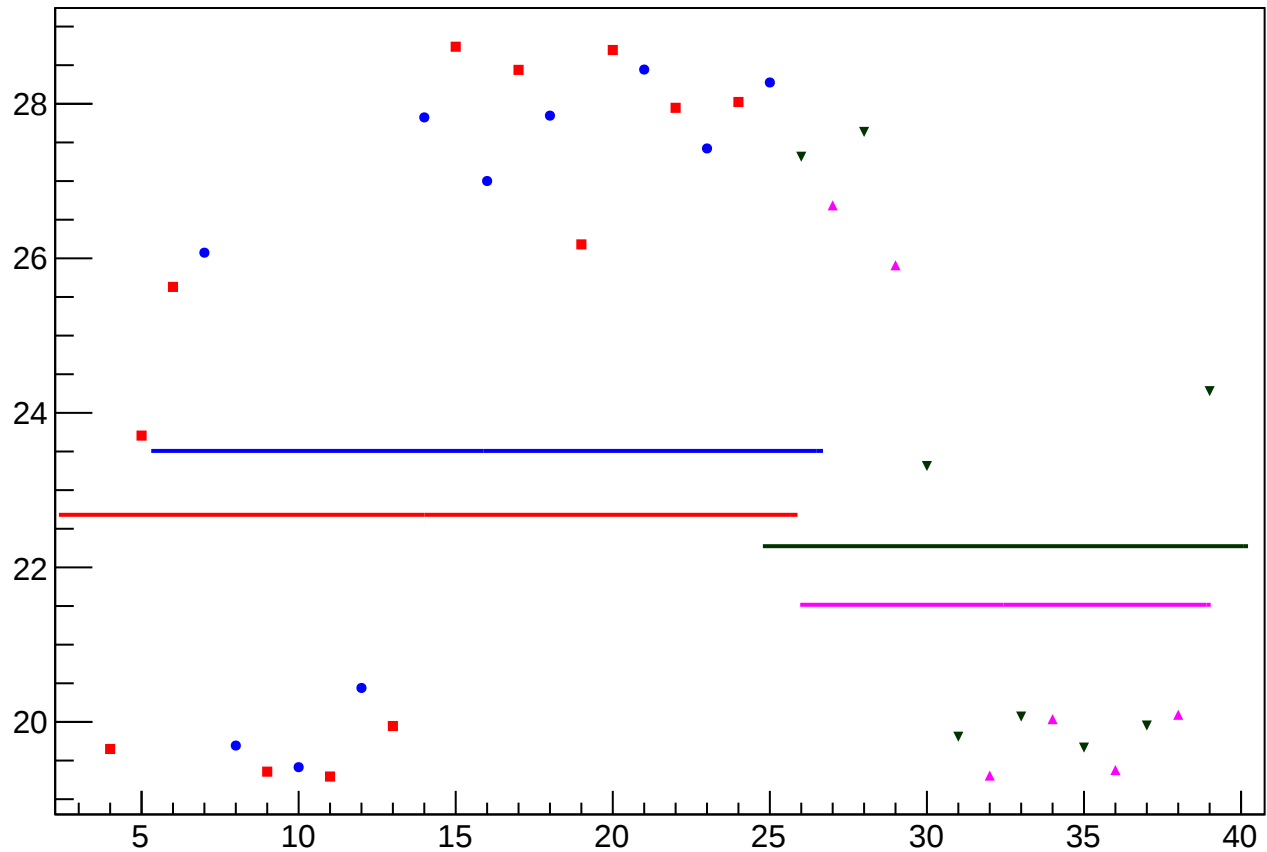
Right Out: 12.920 ± 9.091 $\chi^2/\text{NDF}: 7.6/11$

Left In: -2.705 ± 10.722 $\chi^2/\text{NDF}: 7.3/5$

1.574 ± 7.075 $\chi^2/\text{NDF}: 12.6/17$

6.384 ± 6.934 $\chi^2/\text{NDF}: 16.1/17$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs slug



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

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

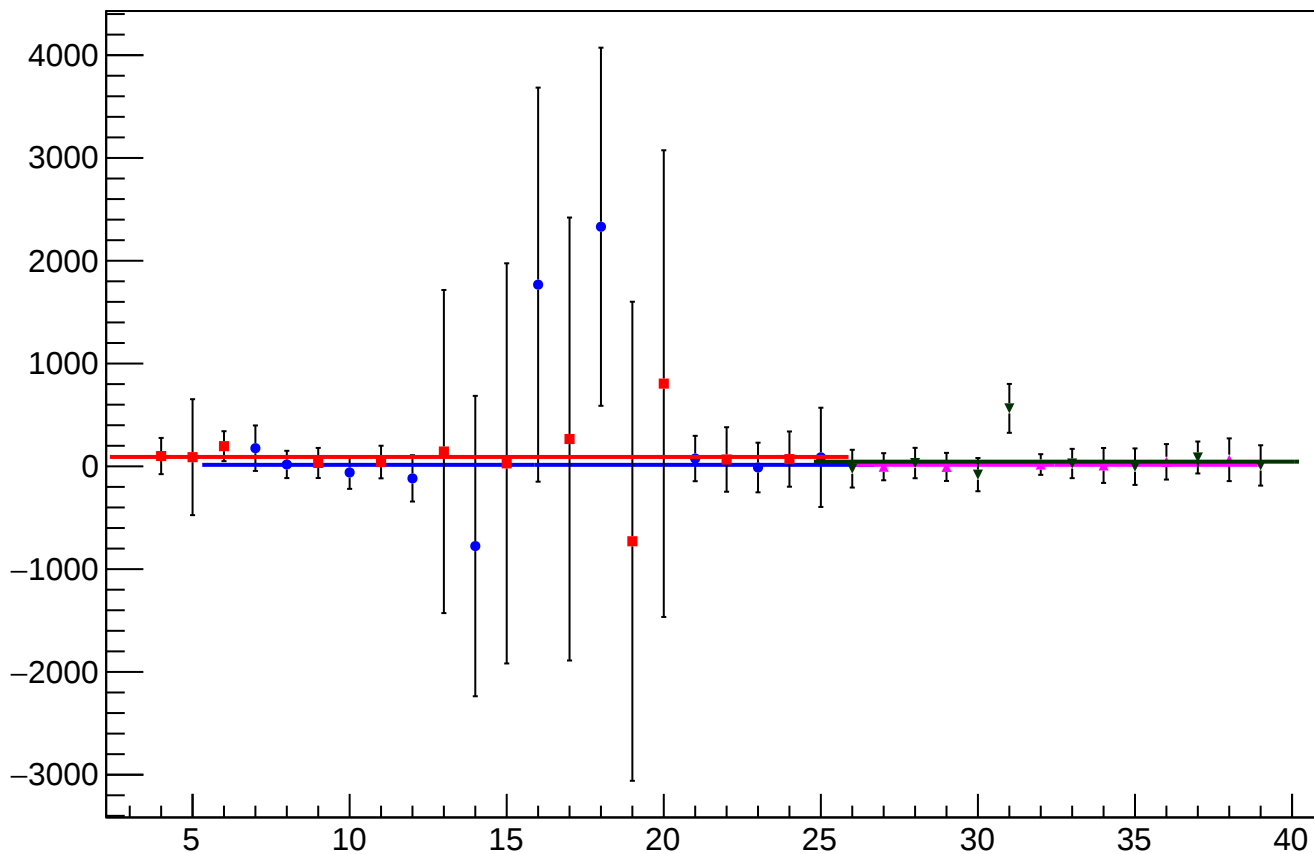
Right Out: 22.681+/-0.006 χ^2/NDF : 376081.4/11

Left In: 21.516+/-0.008 χ^2/NDF : 159188.5/5

22.978+/-0.005 χ^2/NDF : 531131.6/17

22.194+/-0.005 χ^2/NDF : 548999.7/17

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: 45.577+/-59.773 χ^2/NDF : 5.7/7

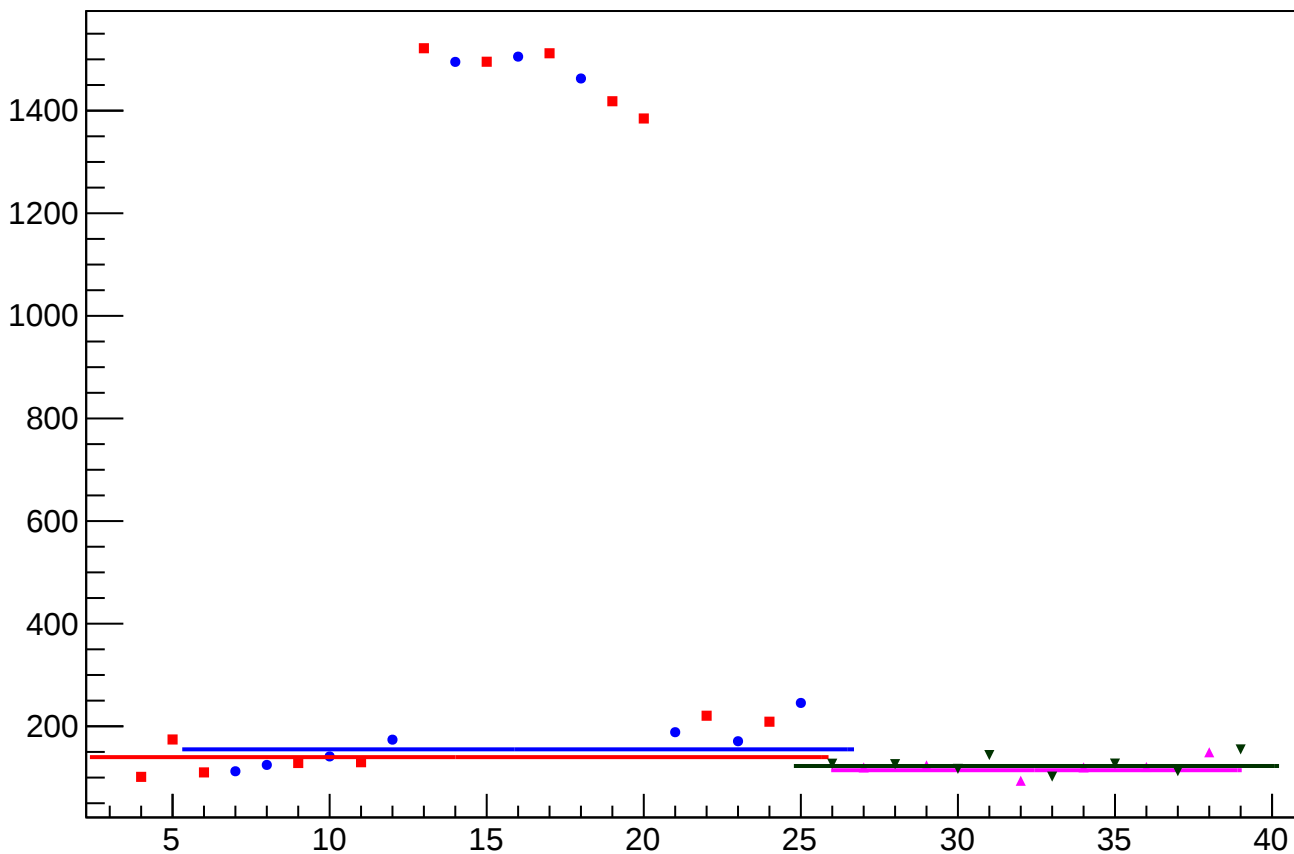
Right Out: 91.524+/-71.755 χ^2/NDF : 1.0/11

Left In: 14.976+/-57.600 χ^2/NDF : 0.1/5

33.504+/-46.664 χ^2/NDF : 9.9/17

44.973+/-44.918 χ^2/NDF : 1.8/17

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs slug



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

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

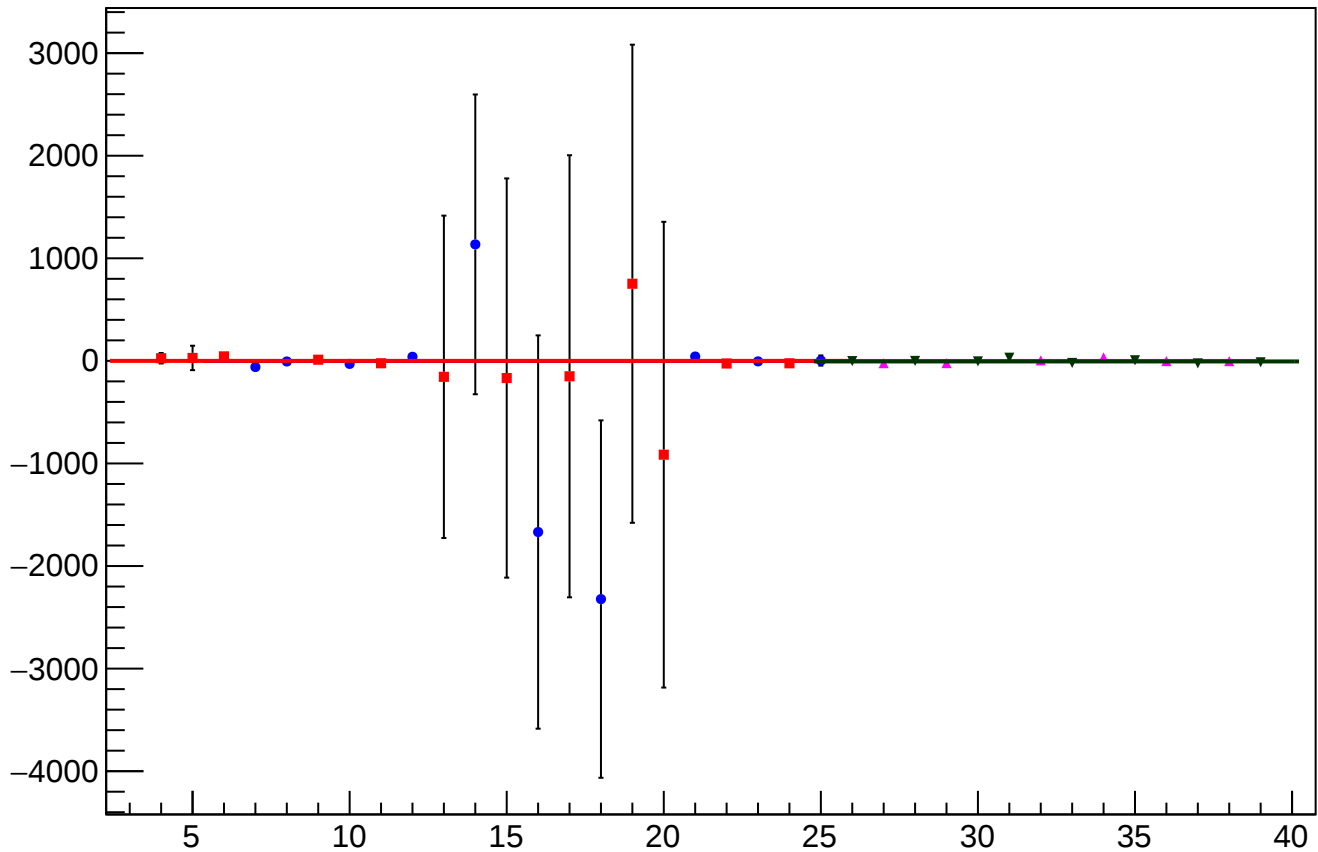
135.269+/-0.033 χ^2/NDF : 4492059.6/17

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

124.358+/-0.032 χ^2/NDF : 5313546.4/17

Left In: 114.362+/-0.041 χ^2/NDF :158108.3/5

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs slug



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

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

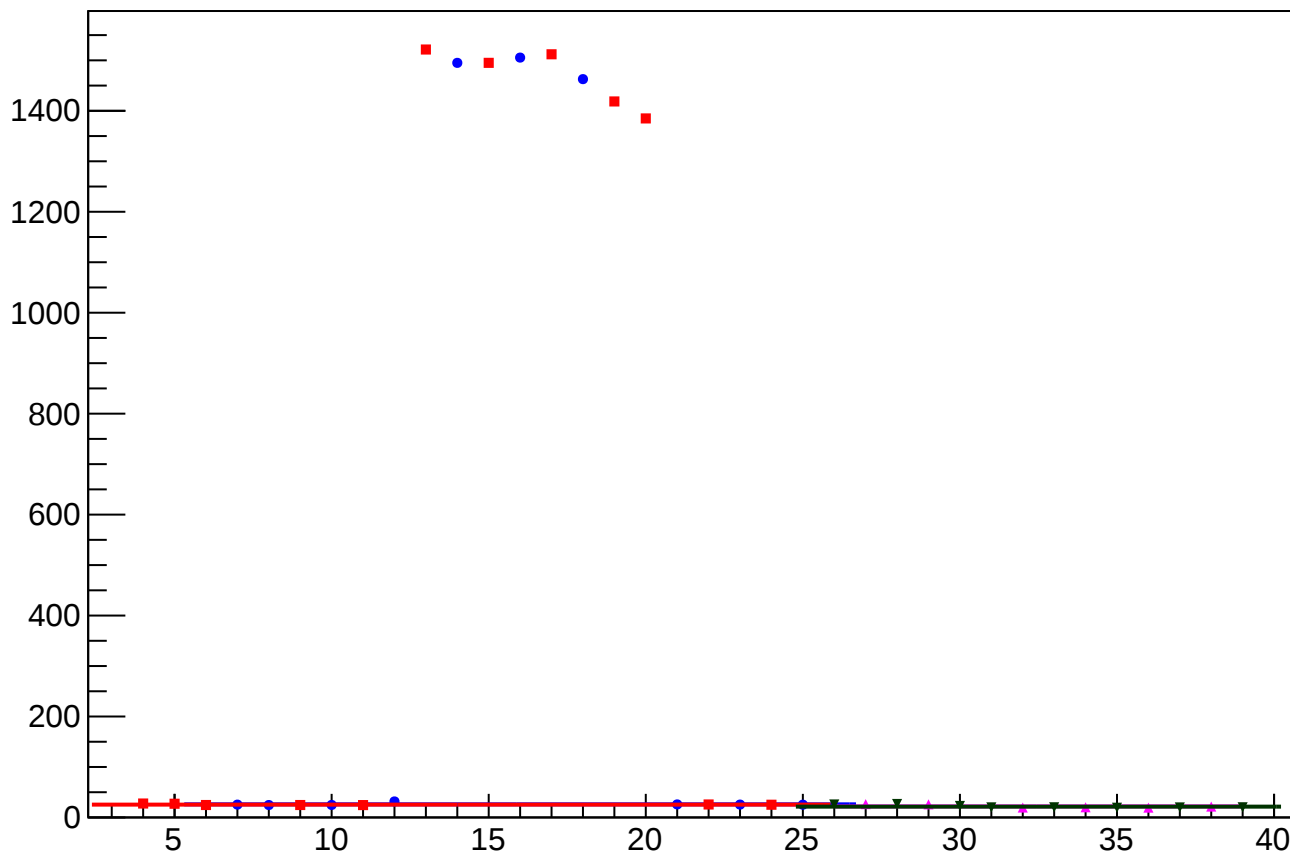
Right Out: -0.057+/-13.414 χ^2/NDF : 4.2/11

Left In: -0.827+/-10.899 χ^2/NDF : 2.8/5

-3.835+/-8.053 χ^2/NDF : 11.1/17

-0.521+/-8.459 χ^2/NDF : 7.0/17

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs slug



Right In: 25.998 ± 0.009 $\chi^2/\text{NDF}: 4621099.1/9$

Left Out: 21.431 ± 0.007 $\chi^2/\text{NDF}: 122147.8/7$

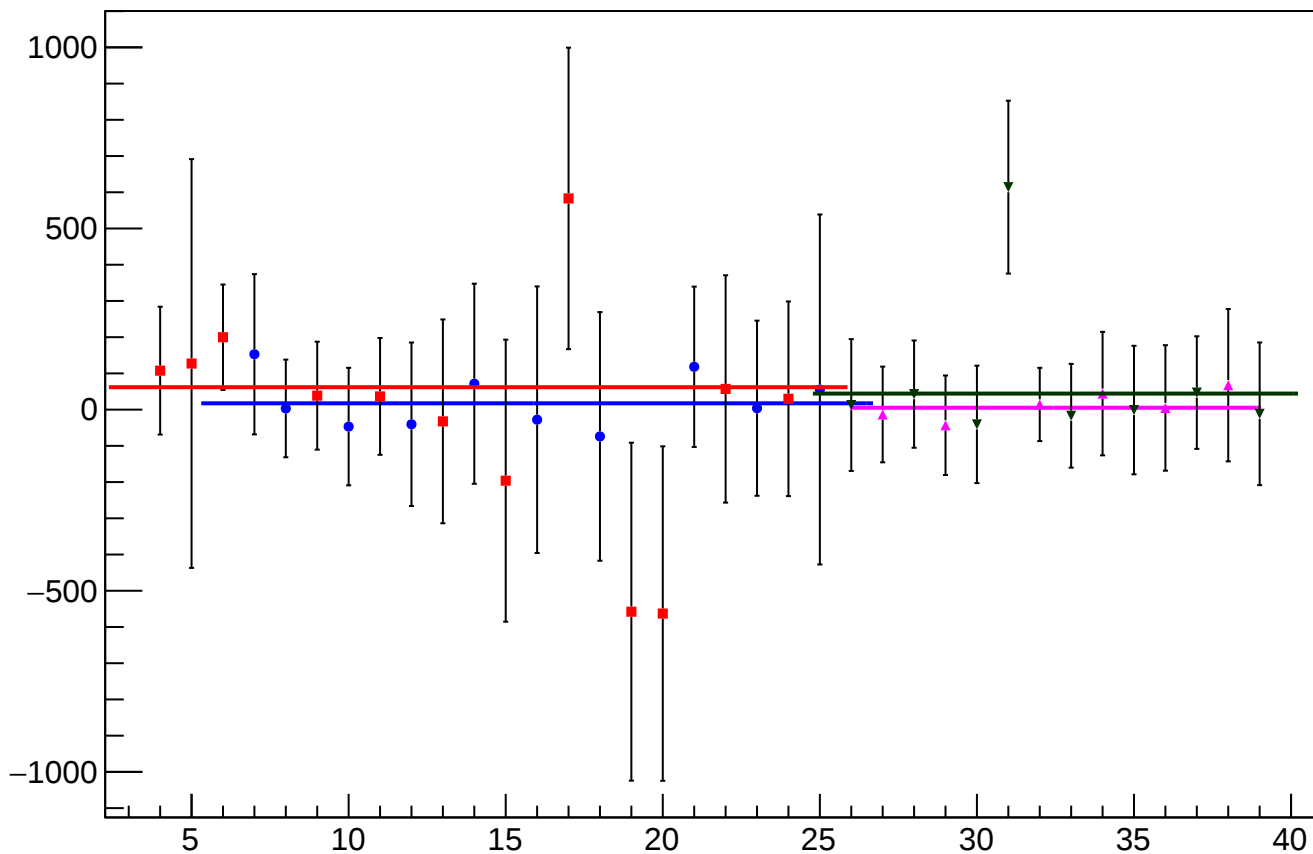
Right Out: 25.431 ± 0.009 $\chi^2/\text{NDF}: 5346262.0/11$

Left In: 21.902 ± 0.008 $\chi^2/\text{NDF}: 137205.9/5$

23.248 ± 0.006 $\chi^2/\text{NDF}: 4897370.3/17$

23.305 ± 0.006 $\chi^2/\text{NDF}: 5566837.4/17$

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs slug



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

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

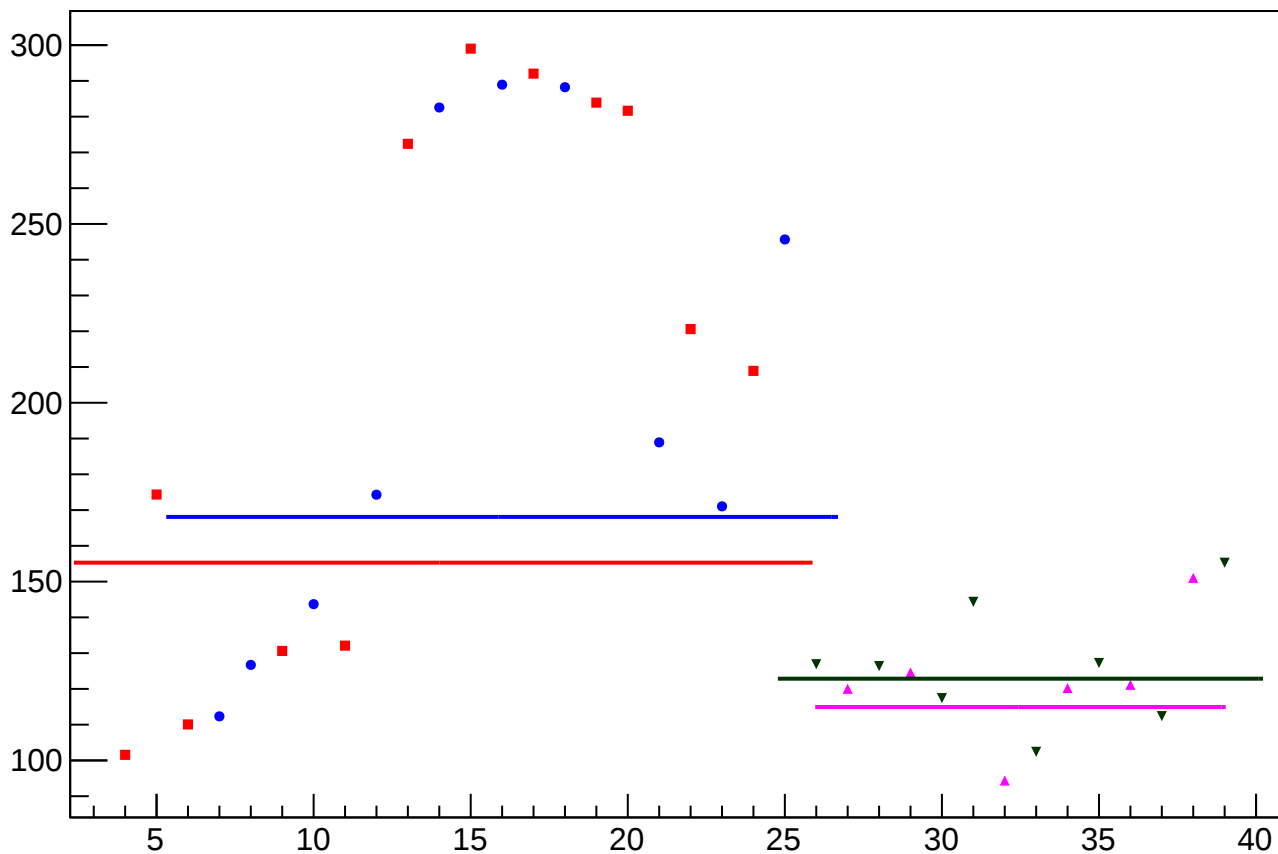
Right Out: 61.917+/-66.769 χ^2/NDF : 6.8/11

Left In: 5.189+/-57.883 χ^2/NDF : 0.3/5

32.966+/-45.495 χ^2/NDF : 7.4/17

29.530+/-43.736 χ^2/NDF : 7.5/17

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs slug



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

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

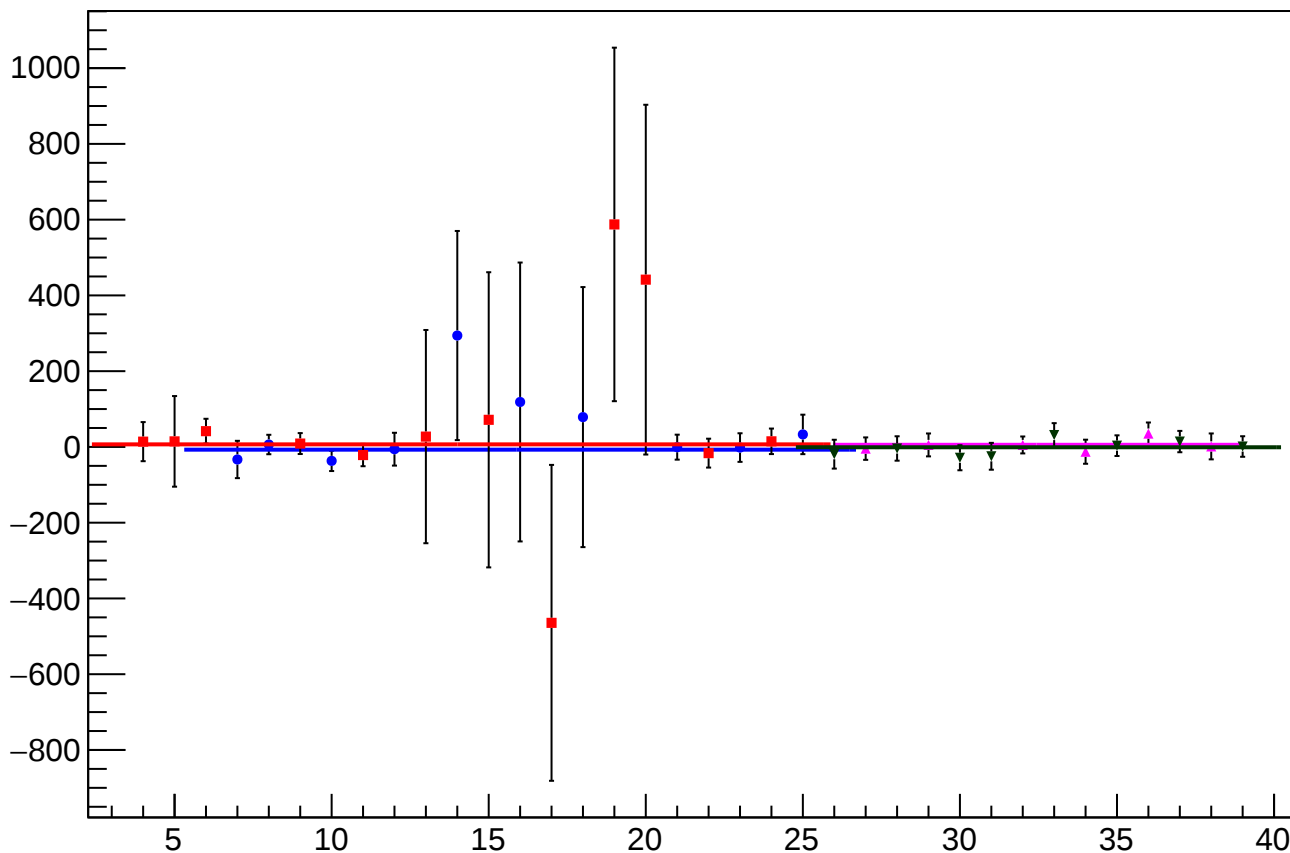
141.944 $\pm$ 0.032 χ^2 /NDF: 1844464.1/17

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

132.256 $\pm$ 0.031 χ^2 /NDF: 2356833.5/17

Left In: 114.937 $\pm$ 0.041 χ^2 /NDF:159051.5/5

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs slug



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

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

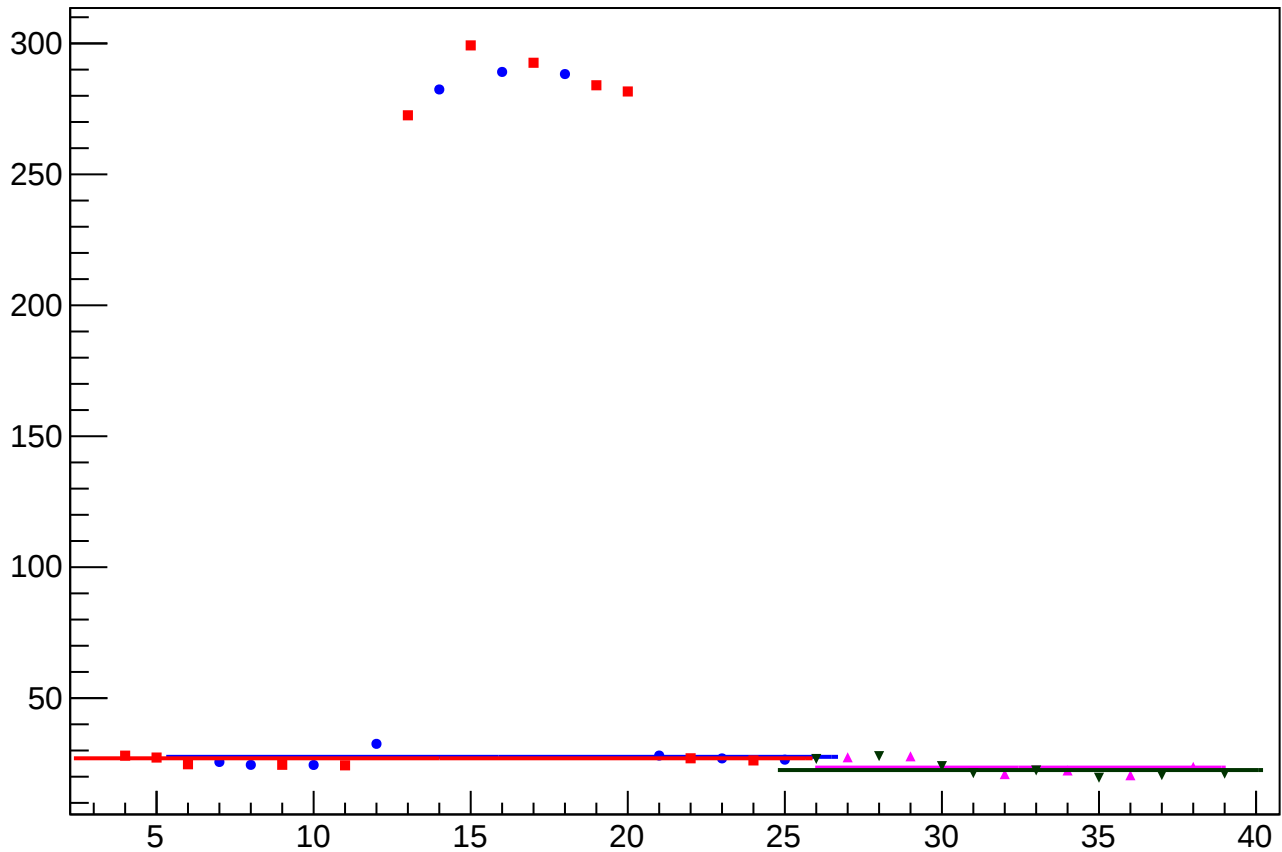
Right Out: 6.763+/-13.545 χ^2/NDF : 6.3/11

Left In: 5.621+/-11.747 χ^2/NDF : 1.5/5

-3.511+/-8.386 χ^2/NDF : 6.7/17

6.111+/-8.875 χ^2/NDF : 7.7/17

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs slug



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

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

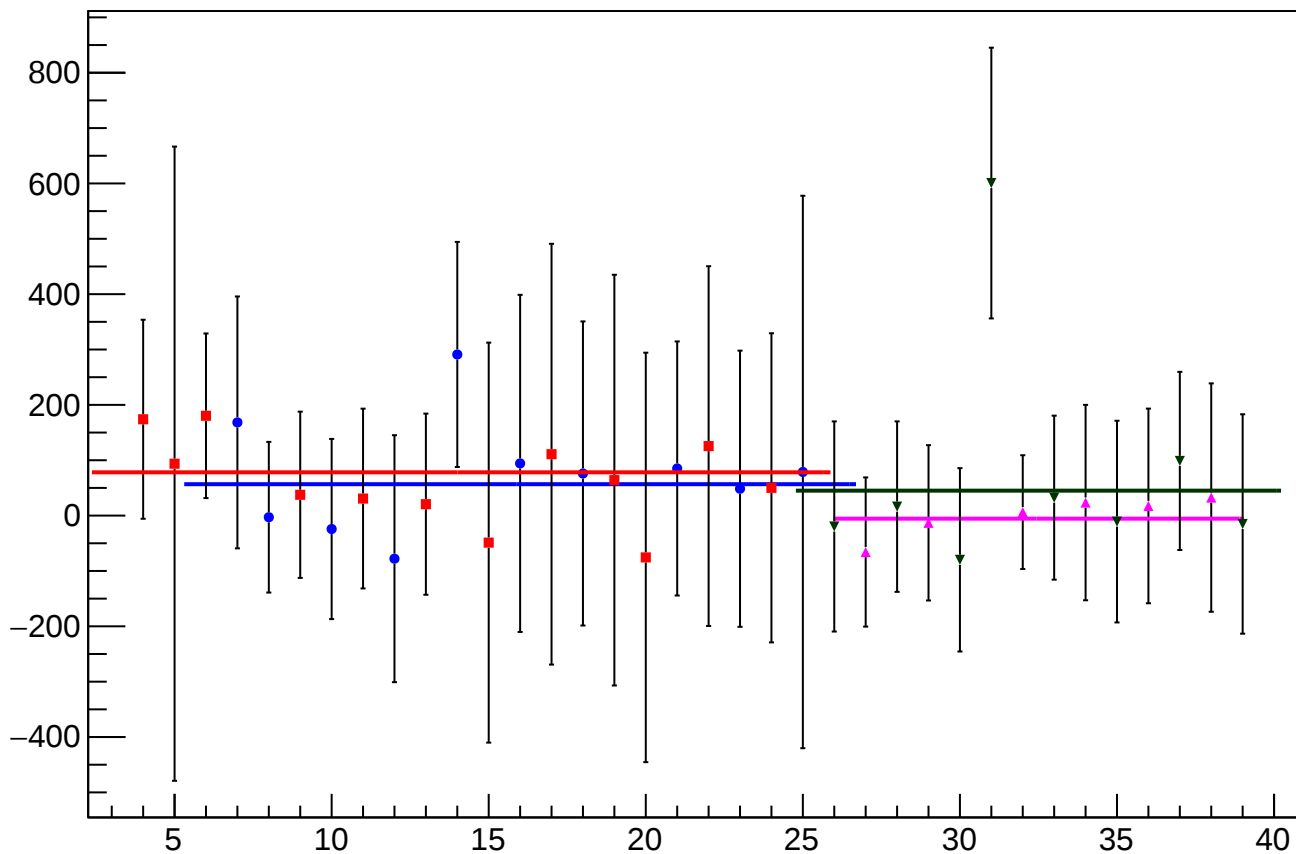
Right Out: 27.023+/-0.010 χ^2/NDF : 4568943.2/11

Left In: 23.473+/-0.008 χ^2/NDF : 123067.4/5

24.619+/-0.006 χ^2/NDF : 4252883.8/17

24.997+/-0.006 χ^2/NDF : 4770411.8/17

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs slug



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

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

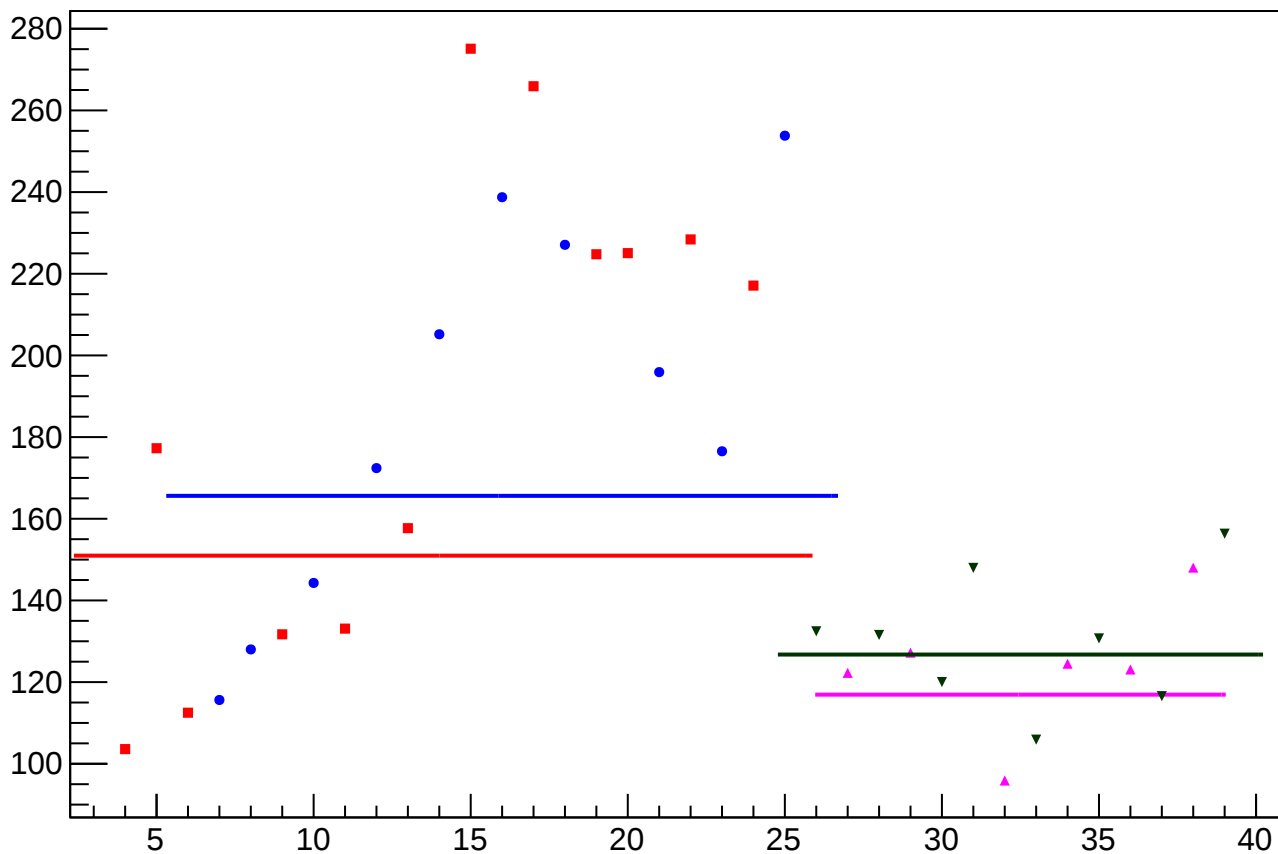
Right Out: 78.185+/-63.204 χ^2/NDF : 1.4/11

Left In: -5.551+/-58.871 χ^2/NDF : 0.3/5

50.355+/-45.578 χ^2/NDF : 8.6/17

33.349+/-43.079 χ^2/NDF : 2.6/17

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs slug



Right In: 165.614+/-0.048 χ^2/NDF : 678005.1/9

Left Out: 126.748+/-0.044 χ^2/NDF : 115255.8/7

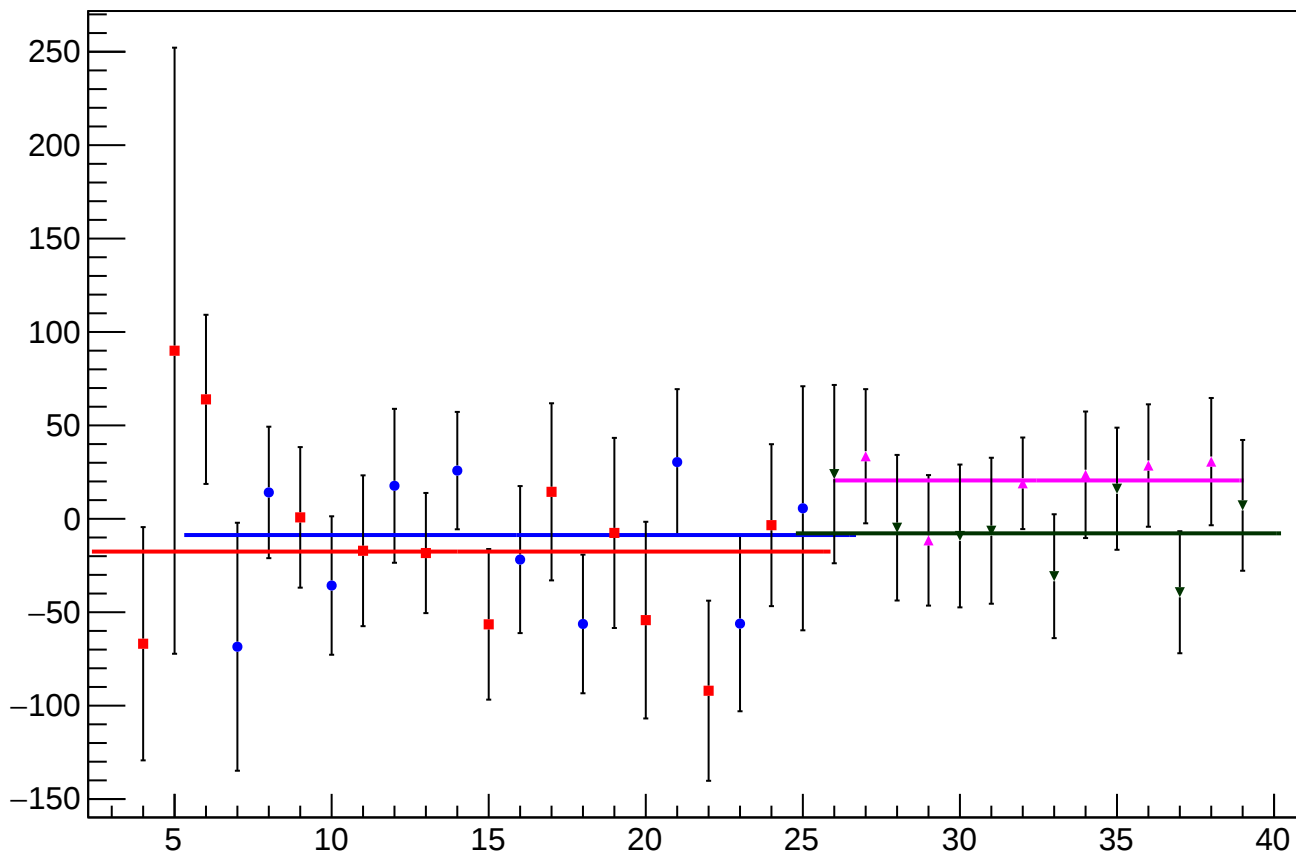
144.388+/-0.032 χ^2/NDF : 1153754.1/17

Right Out: 150.968+/-0.045 χ^2/NDF : 1141850.9/11

132.741+/-0.030 χ^2/NDF : 1601782.9/17

Left In: 116.927+/-0.042 χ^2/NDF : 149284.7/5

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs slug



Right In: -8.681 ± 12.821 $\chi^2/\text{NDF}: 7.2/9$

Left Out: -7.773 ± 12.870 $\chi^2/\text{NDF}: 2.6/7$

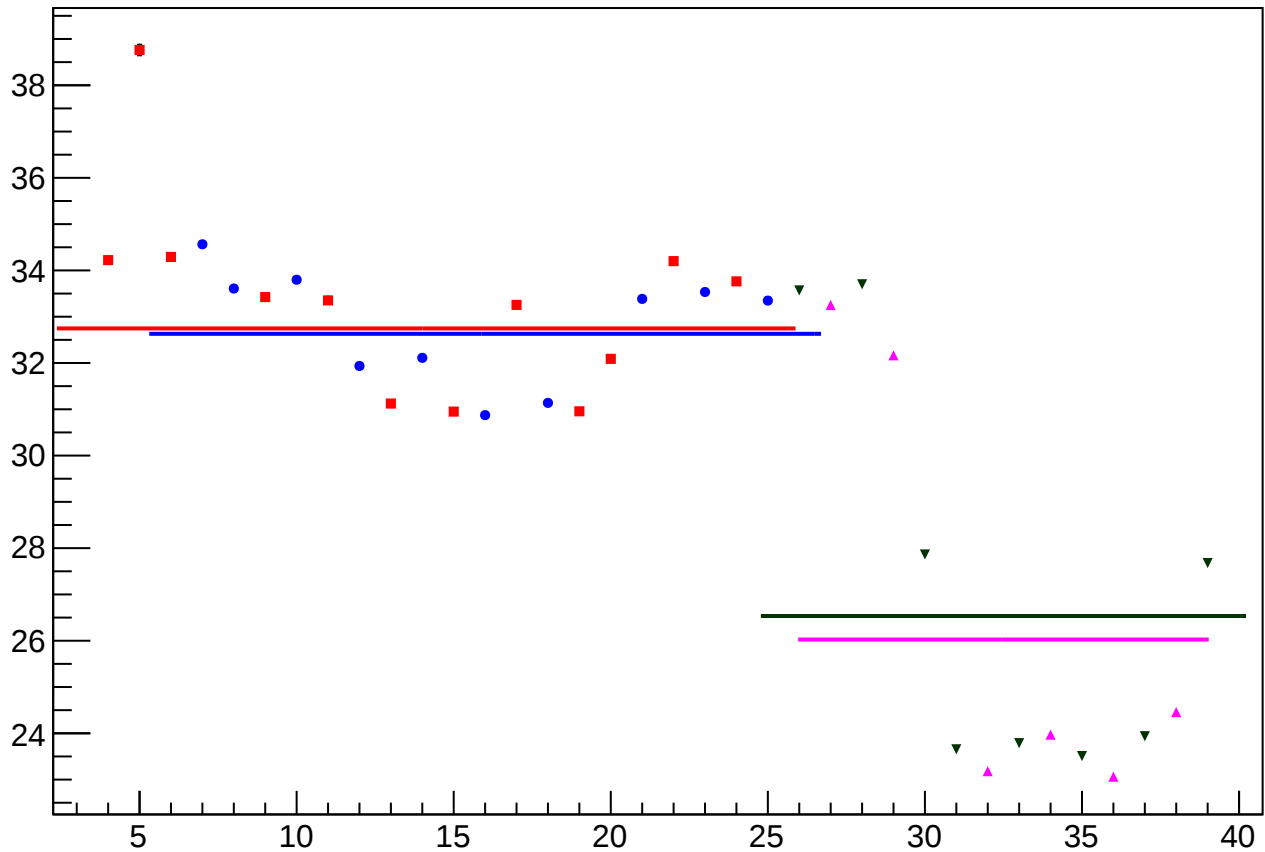
Right Out: -17.538 ± 13.085 $\chi^2/\text{NDF}: 8.9/11$

Left In: 20.536 ± 12.991 $\chi^2/\text{NDF}: 1.1/5$

-8.229 ± 9.083 $\chi^2/\text{NDF}: 9.8/17$

1.636 ± 9.219 $\chi^2/\text{NDF}: 14.3/17$

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs slug



Right In: 32.631 $\pm$ 0.009 χ^2 /NDF: 15297.1/9

Left Out: 26.534 $\pm$ 0.009 χ^2 /NDF:170050.8/7

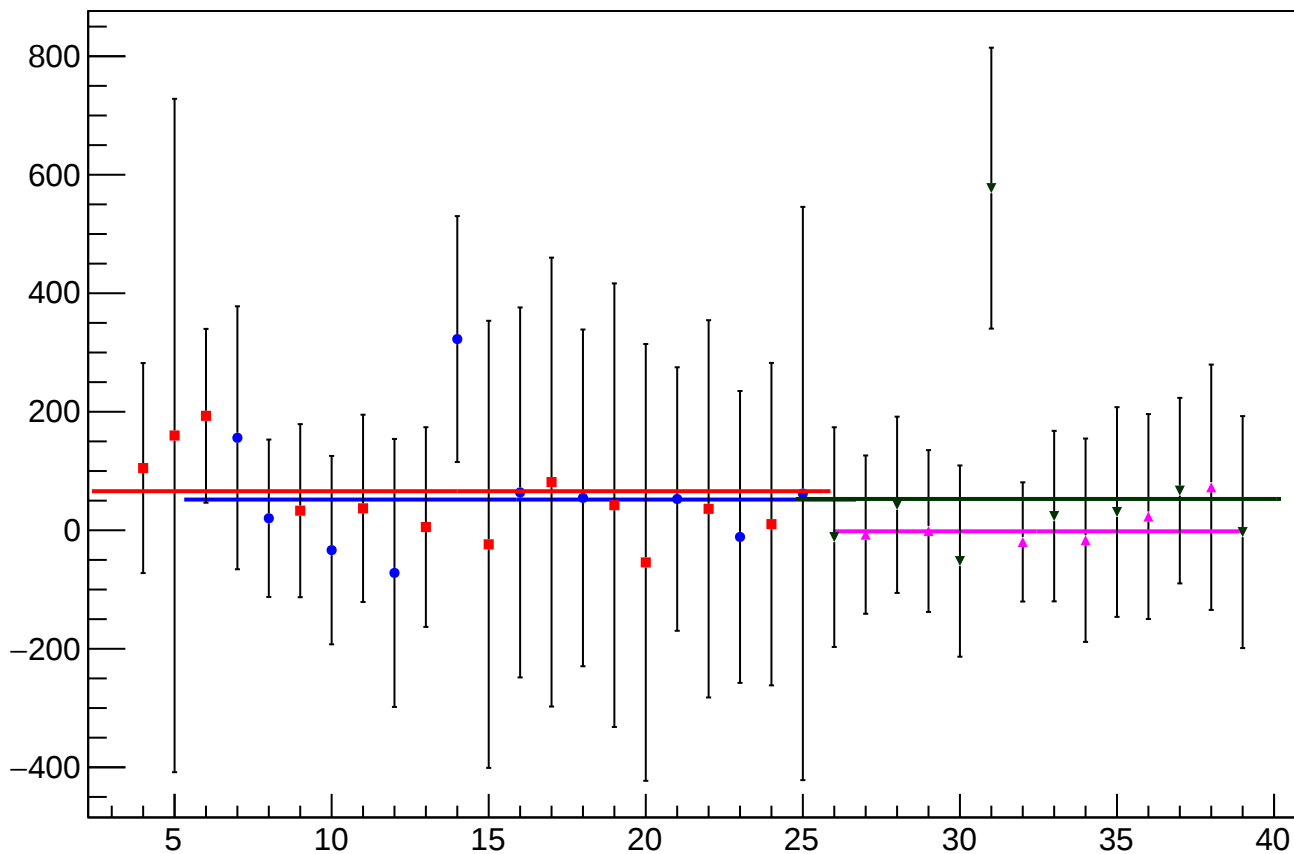
29.594 $\pm$ 0.006 χ^2 /NDF: 410614.1/17

Right Out: 32.747 $\pm$ 0.009 χ^2 /NDF: 22297.5/11

29.362 $\pm$ 0.007 χ^2 /NDF: 485755.8/17

Left In: 26.026 $\pm$ 0.009 χ^2 /NDF:197708.1/5

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs slug



Right In: 51.834+/-66.963 χ^2/NDF : 2.6/9

Left Out: 52.859+/-60.015 χ^2/NDF : 5.6/7

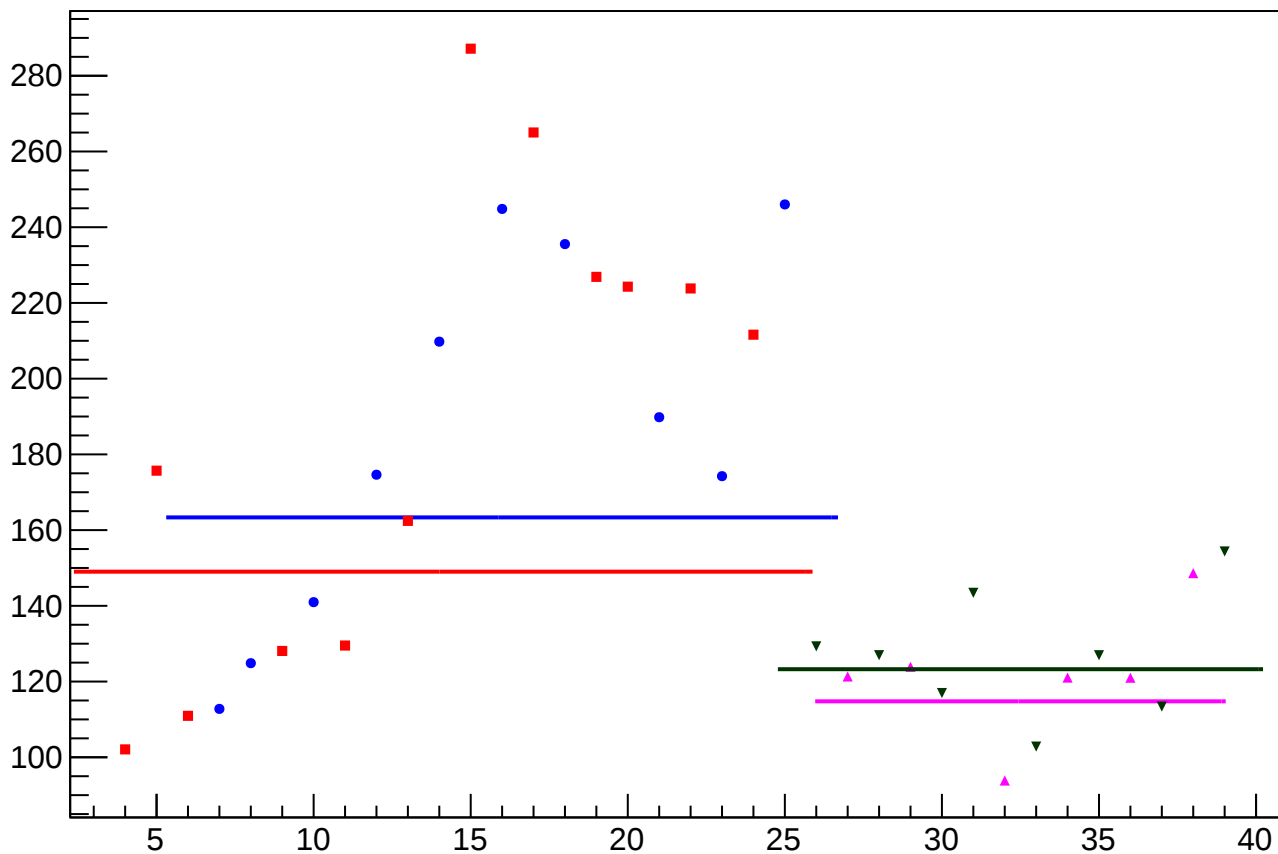
Right Out: 65.954+/-62.568 χ^2/NDF : 1.3/11

Left In: -1.759+/-57.809 χ^2/NDF : 0.2/5

52.402+/-44.692 χ^2/NDF : 8.2/17

29.424+/-42.460 χ^2/NDF : 2.1/17

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs slug



Right In: 163.355 $\pm$ 0.047 χ^2 /NDF: 772602.2/9

Left Out: 123.263 $\pm$ 0.042 χ^2 /NDF:120569.3/7

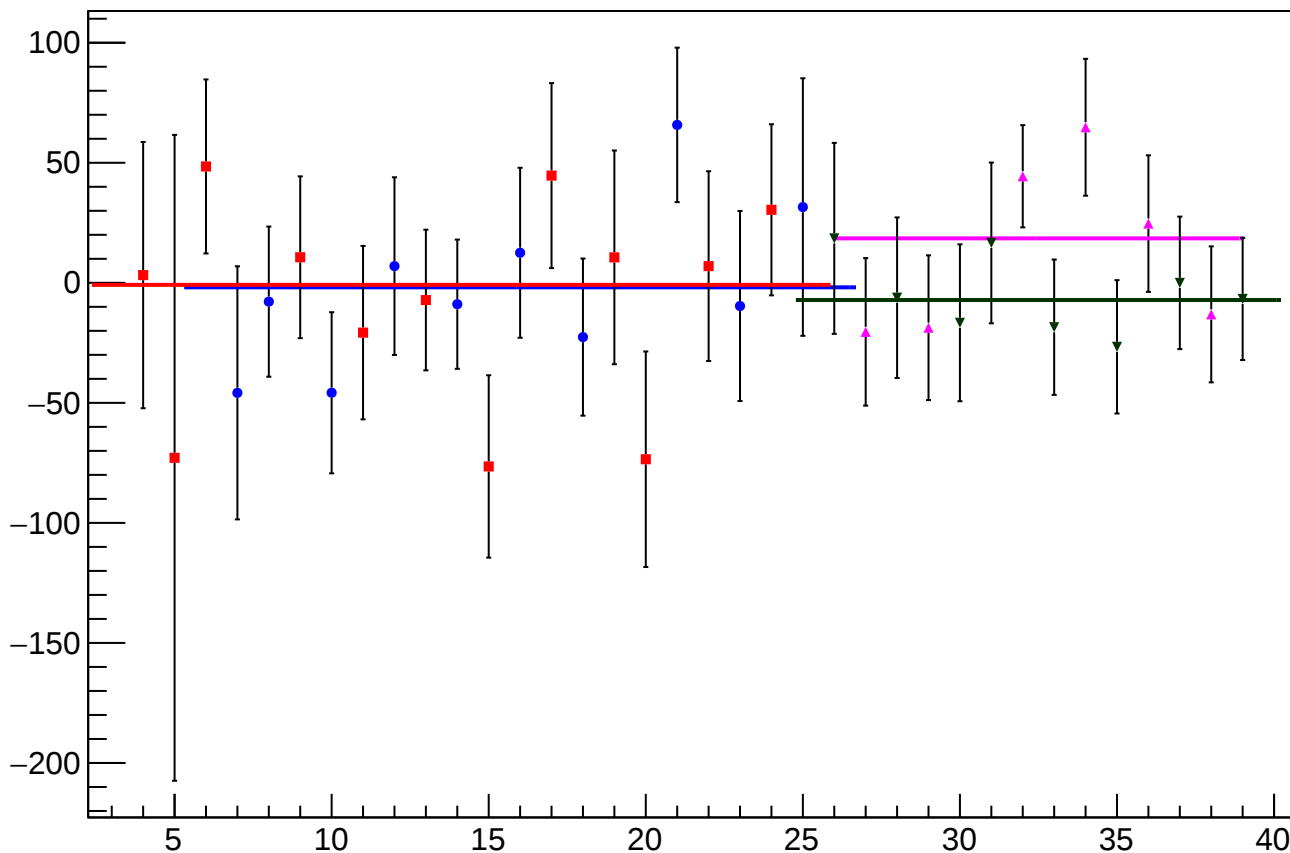
141.122 $\pm$ 0.032 χ^2 /NDF: 1290741.9/17

Right Out: 149.022 $\pm$ 0.044 χ^2 /NDF: 1205634.3/11

130.550 $\pm$ 0.030 χ^2 /NDF: 1687721.6/17

Left In: 114.782 $\pm$ 0.041 χ^2 /NDF:158978.7/5

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs slug



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

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

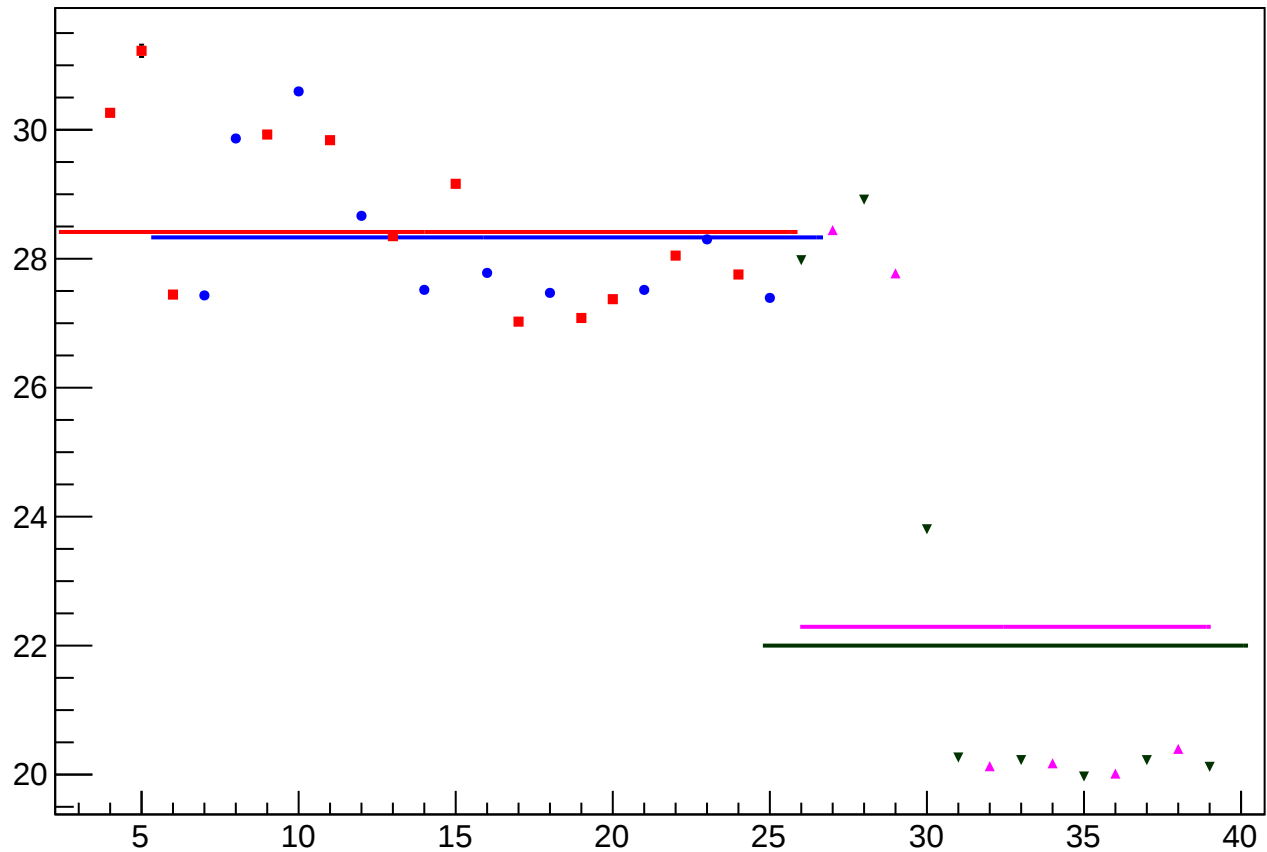
Right Out: -0.853 ± 11.359 $\chi^2/\text{NDF}: 11.5/11$

Left In: 18.515 ± 11.125 $\chi^2/\text{NDF}: 8.5/5$

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

9.032 ± 7.948 $\chi^2/\text{NDF}: 21.5/17$

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs slug



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

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

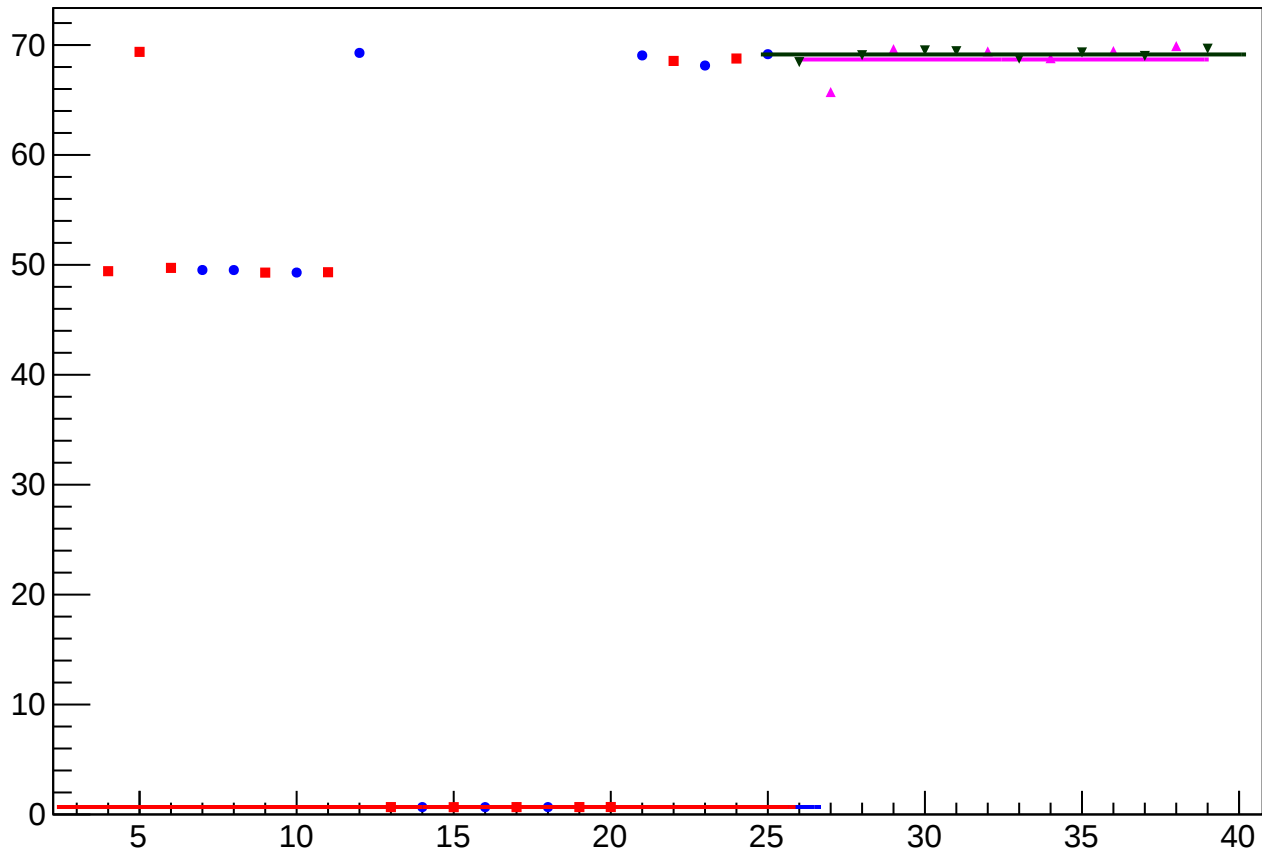
Right Out: 28.415+/-0.008 χ^2/NDF : 18780.8/11

Left In: 22.292+/-0.008 χ^2/NDF : 199710.5/5

25.034+/-0.005 χ^2/NDF : 537059.5/17

25.290+/-0.006 χ^2/NDF : 515161.3/17

yield_bcm_an_ds_mean vs slug



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

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

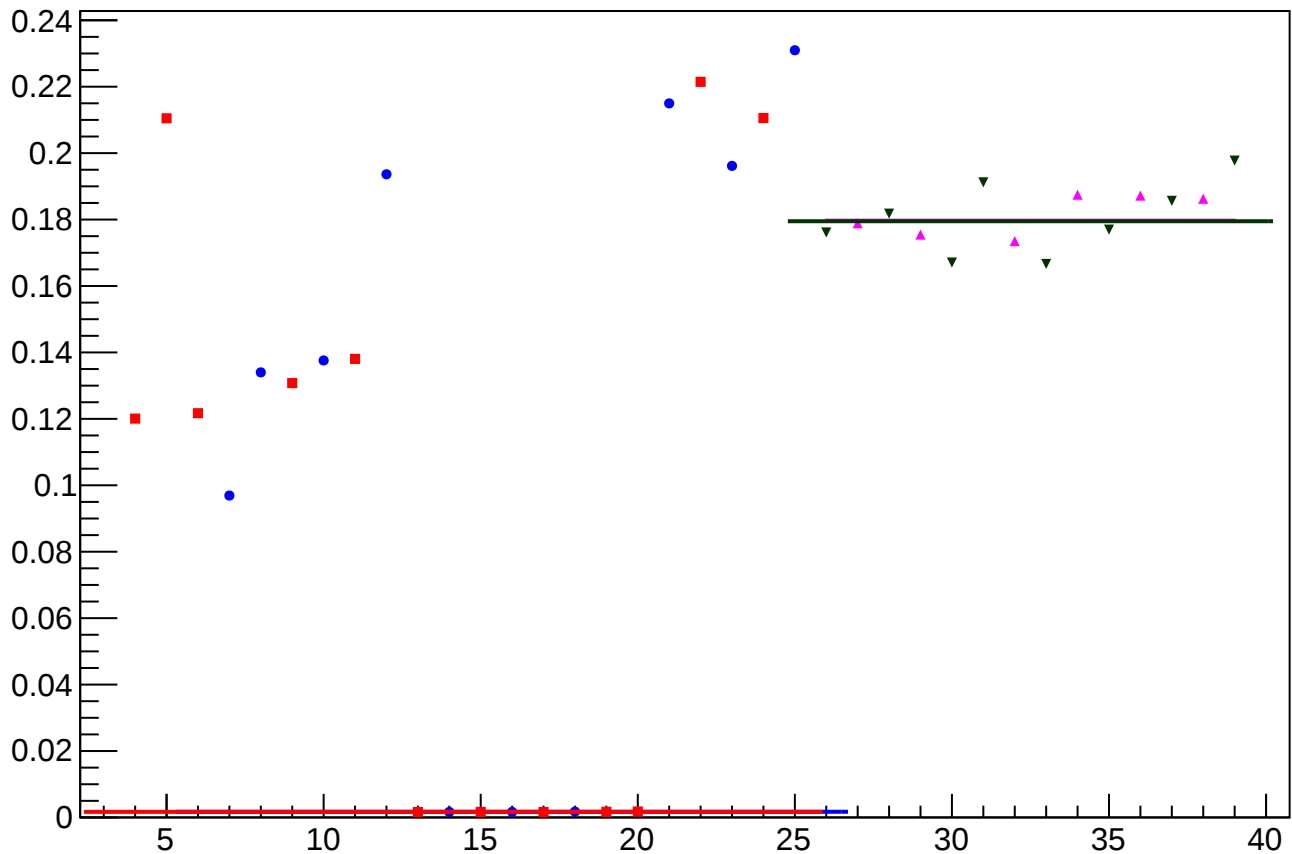
0.689+/-0.000 χ^2/NDF : 1097334909021.4/17

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

0.686+/-0.000 χ^2/NDF : 1003283453108.1/17

Left In: 68.684+/-0.000 χ^2/NDF :292604120.0/5

yield_bcm_an_ds_rms vs slug



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

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

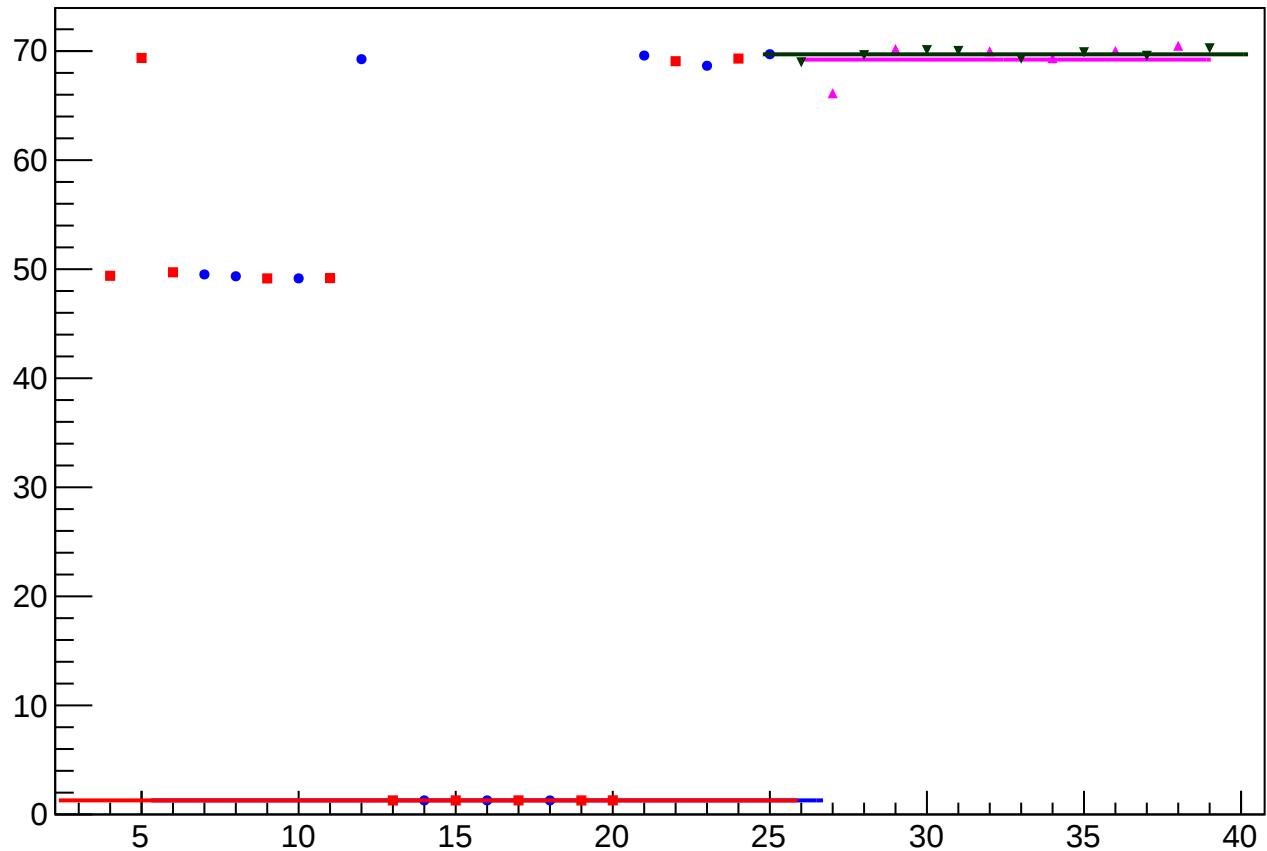
0.002+/-0.000 χ^2/NDF : 15795118.7/17

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

0.002+/-0.000 χ^2/NDF : 14398240.7/17

Left In: 0.180+/-0.000 χ^2/NDF :7639.7/5

yield_bcm_an_ds3_mean vs slug



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

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

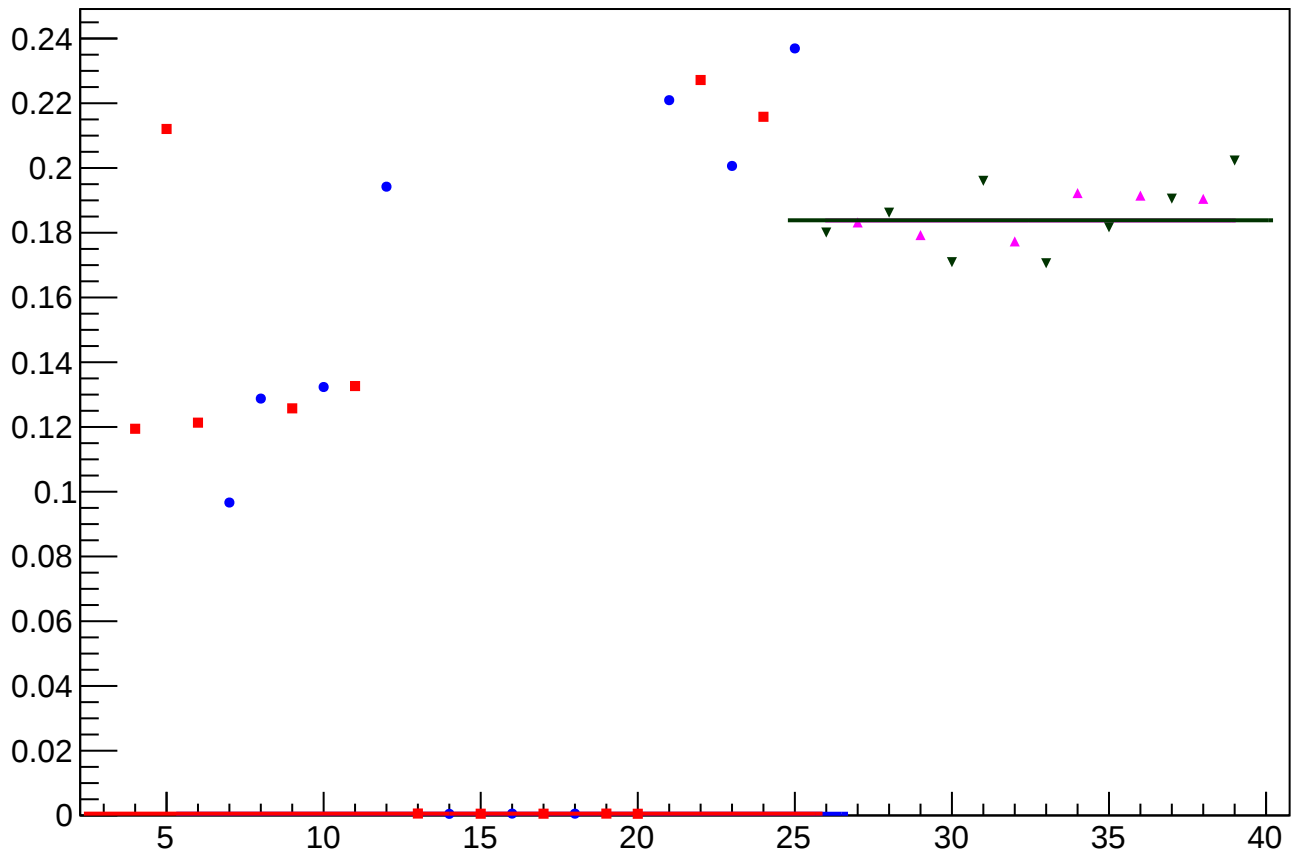
1.291+/-0.000 χ^2/NDF : 1067286294120.8/17

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

1.290+/-0.000 χ^2/NDF : 977413530357.0/17

Left In: 69.220+/-0.000 χ^2/NDF :302239147.4/5

yield_bcm_an_ds3_rms vs slug



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

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

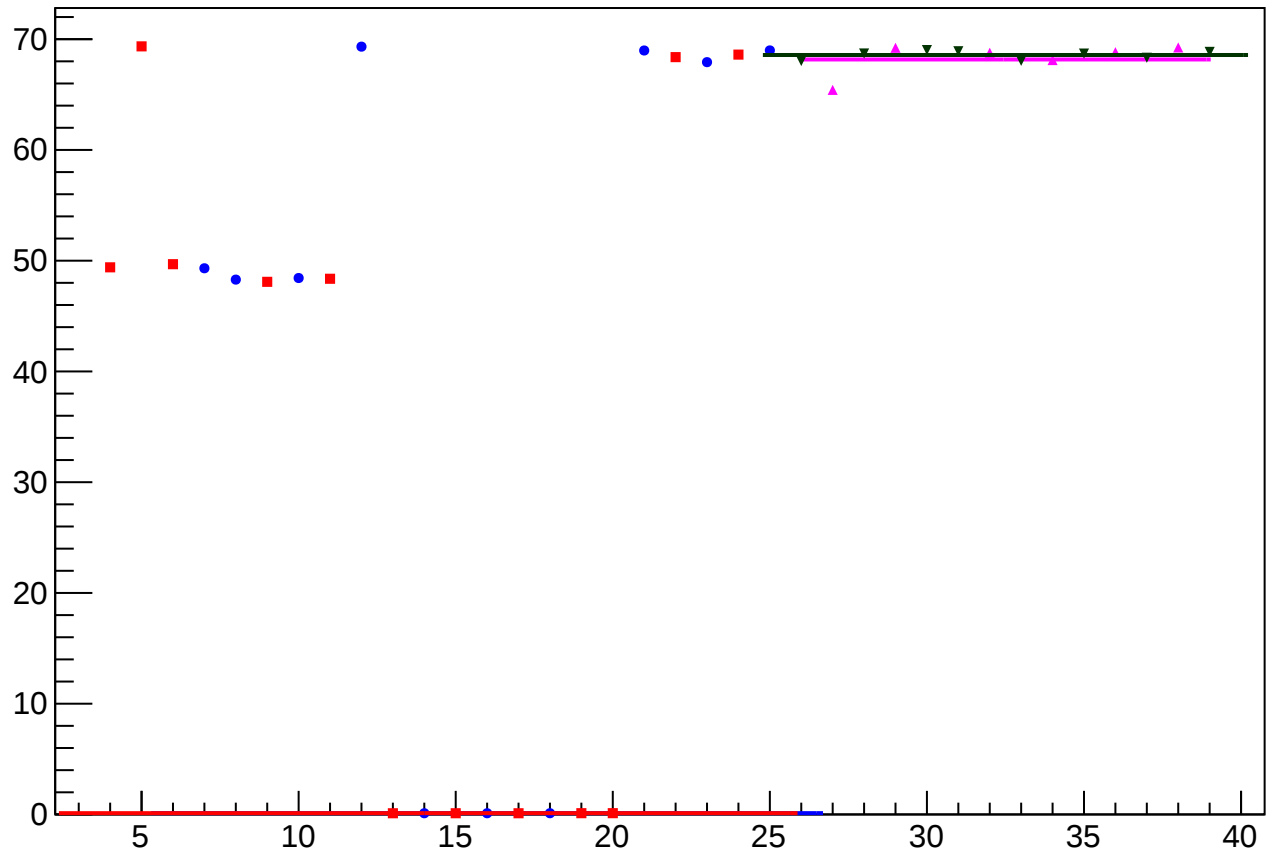
Right Out: 0.001+/-0.000 χ^2/NDF : 6741519.4/11

Left In: 0.184+/-0.000 χ^2/NDF : 8005.8/5

0.001+/-0.000 χ^2/NDF : 16035329.1/17

0.001+/-0.000 χ^2/NDF : 14602411.8/17

yield_bcm_an_us_mean vs slug



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

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

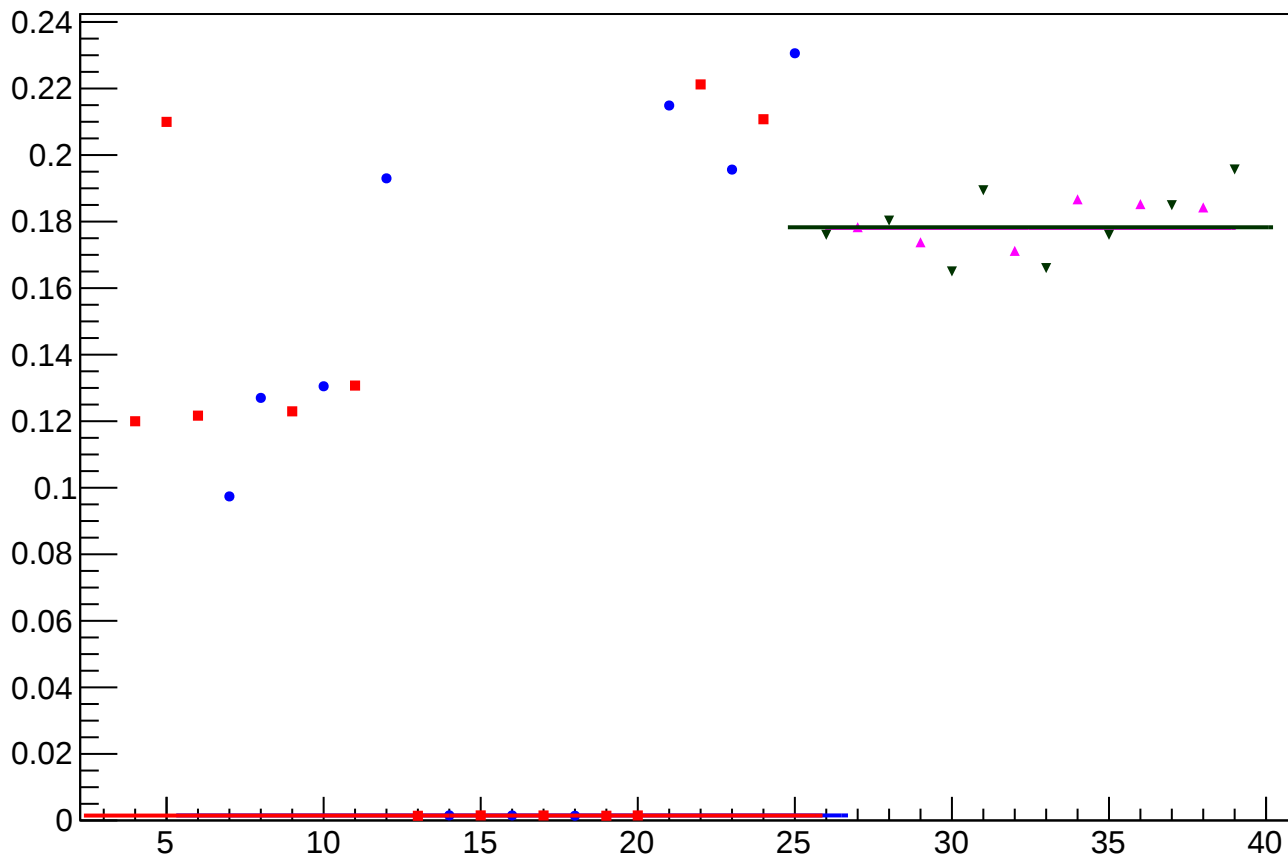
0.127+/-0.000 χ^2/NDF : 1126104876731.1/17

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

0.123+/-0.000 χ^2/NDF : 1036154441014.9/17

Left In: 68.168+/-0.000 χ^2/NDF : 257506150.7/5

yield_bcm_an_us_rms vs slug



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

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

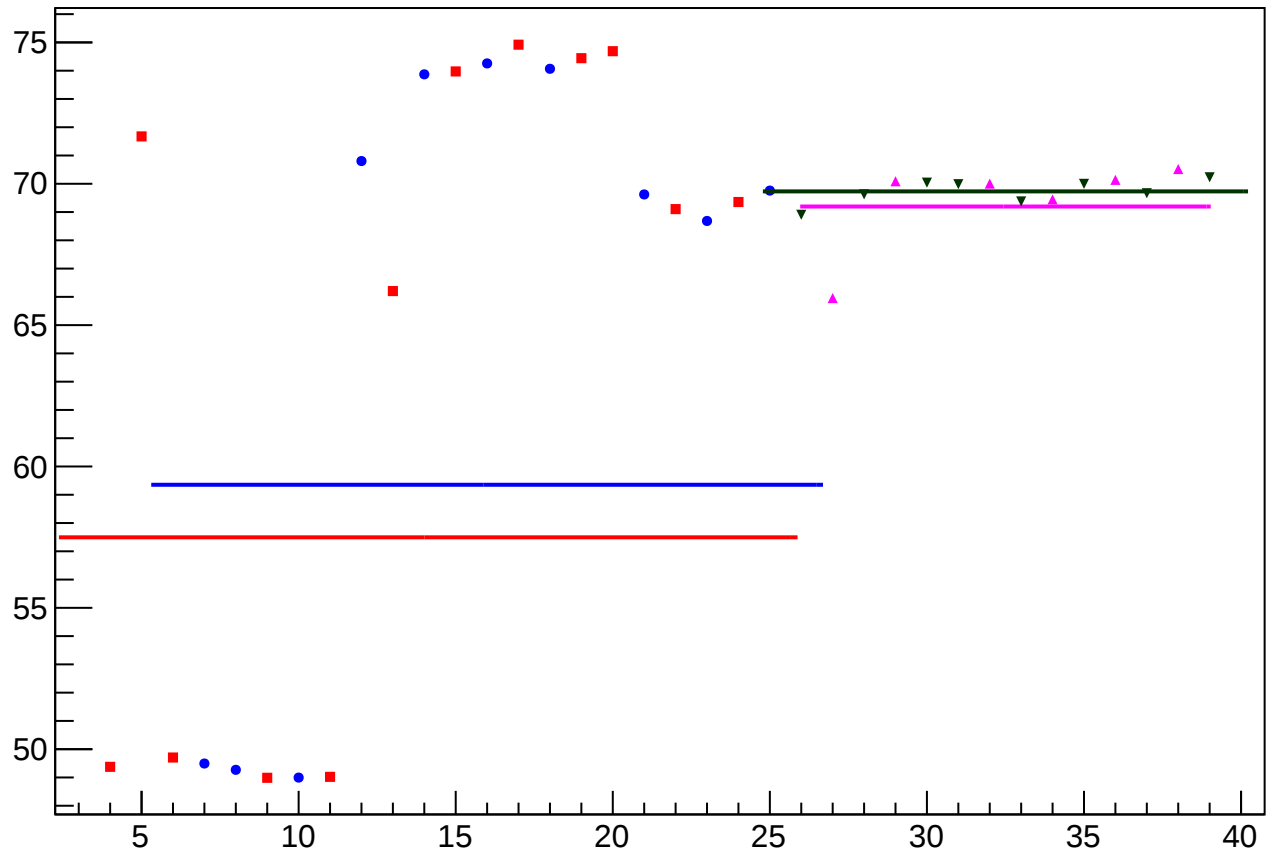
Right Out: 0.001+/-0.000 χ^2/NDF : 6649150.6/11

Left In: 0.178+/-0.000 χ^2/NDF :8425.8/5

0.002+/-0.000 χ^2/NDF : 15803544.6/17

0.001+/-0.000 χ^2/NDF : 14426153.6/17

yield_bcm_dg_us_mean vs slug



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

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

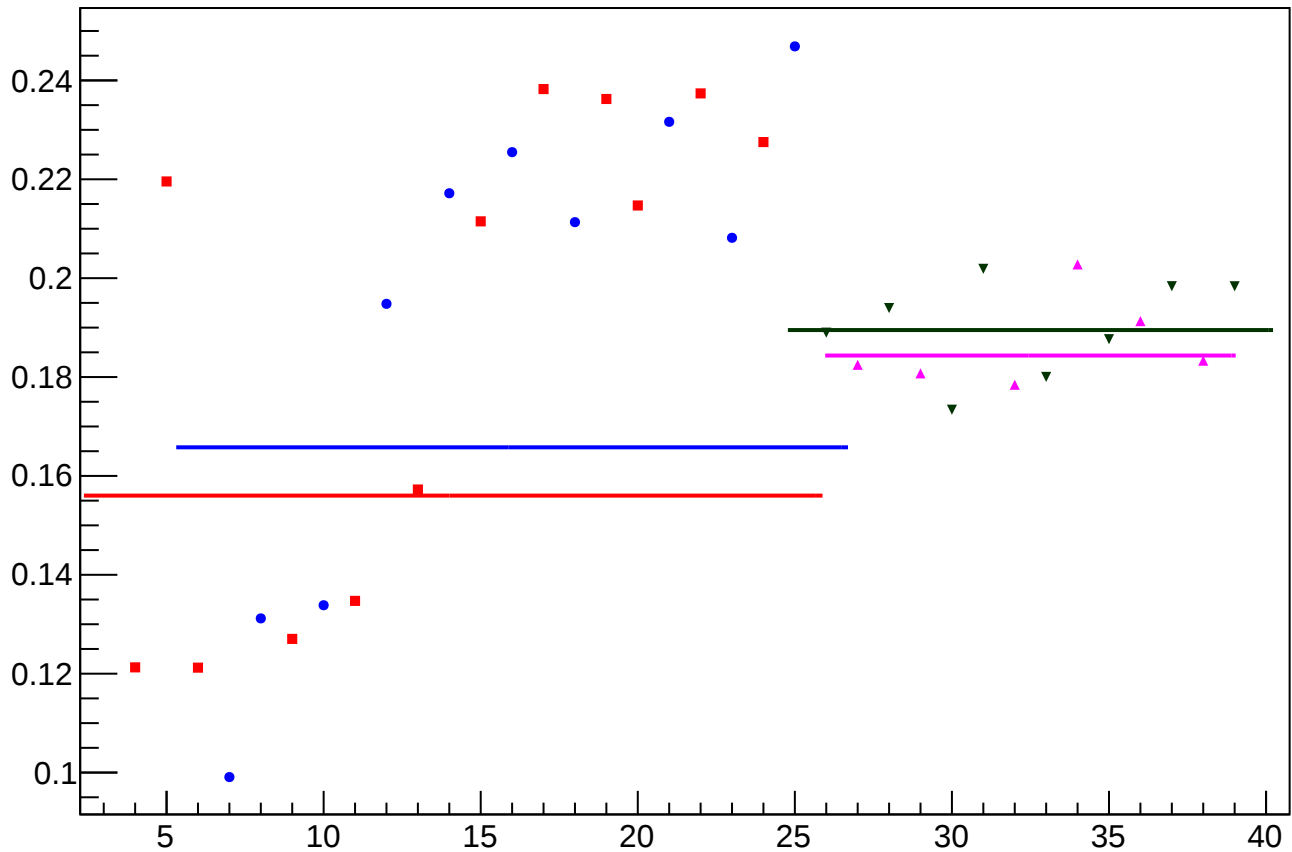
63.055+/-0.000 χ^2/NDF : 35222410511.9/17

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

61.440+/-0.000 χ^2/NDF : 36162909904.1/17

Left In: 69.196+/-0.000 χ^2/NDF : 331555872.6/5

yield_bcm_dg_us_rms vs slug



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

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

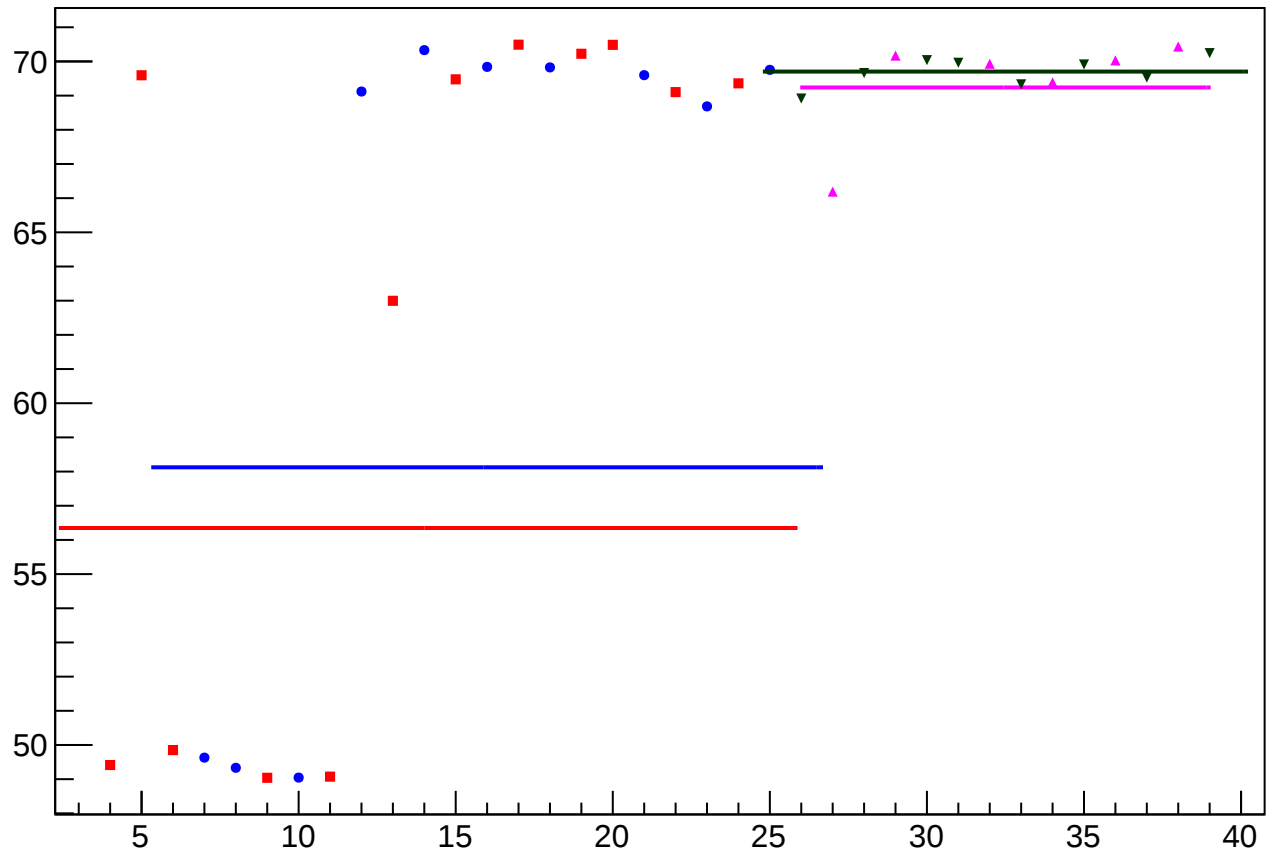
0.174+/-0.000 χ^2/NDF : 1016462.8/17

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

0.166+/-0.000 χ^2/NDF : 963975.6/17

Left In: 0.184+/-0.000 χ^2/NDF : 12113.2/5

yield_bcm_dg_ds_mean vs slug



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

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

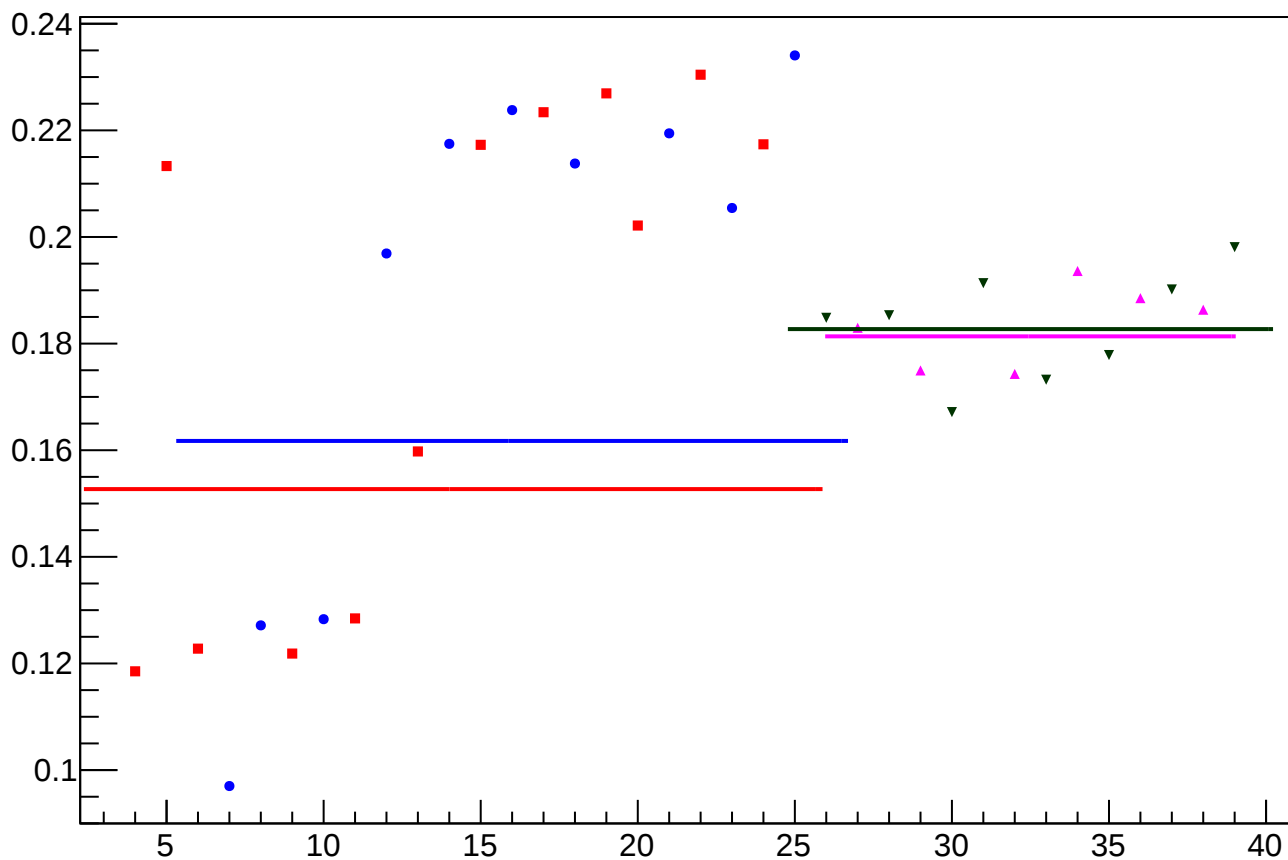
Right Out: 56.349+/-0.000 χ^2/NDF : 19763904601.6/11

Left In: 69.239+/-0.000 χ^2/NDF :291907133.0/5

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

60.672+/-0.000 χ^2/NDF : 33303024950.5/17

yield_bcm_dg_ds_rms vs slug



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

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

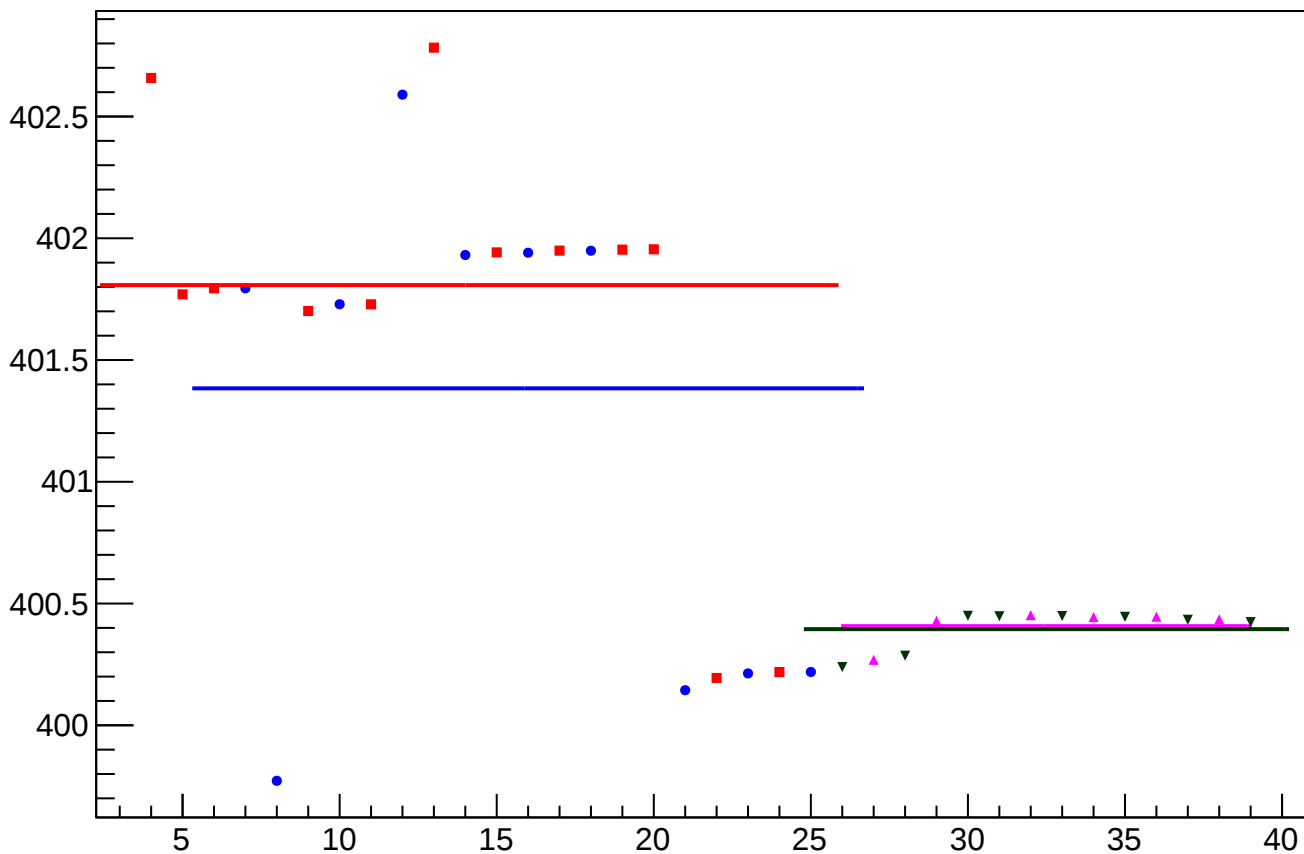
Right Out: 0.153+/-0.000 χ^2/NDF : 810658.6/11

Left In: 0.181+/-0.000 χ^2/NDF : 11133.8/5

0.169+/-0.000 χ^2/NDF : 1065431.7/17

0.162+/-0.000 χ^2/NDF : 952704.6/17

yield_cav4bQ_mean vs slug



Right In: 401.384 $\pm$ 0.000 χ^2 /NDF: 122440333667.5/9

Left Out: 400.395 $\pm$ 0.000 χ^2 /NDF: 561521913.8/7

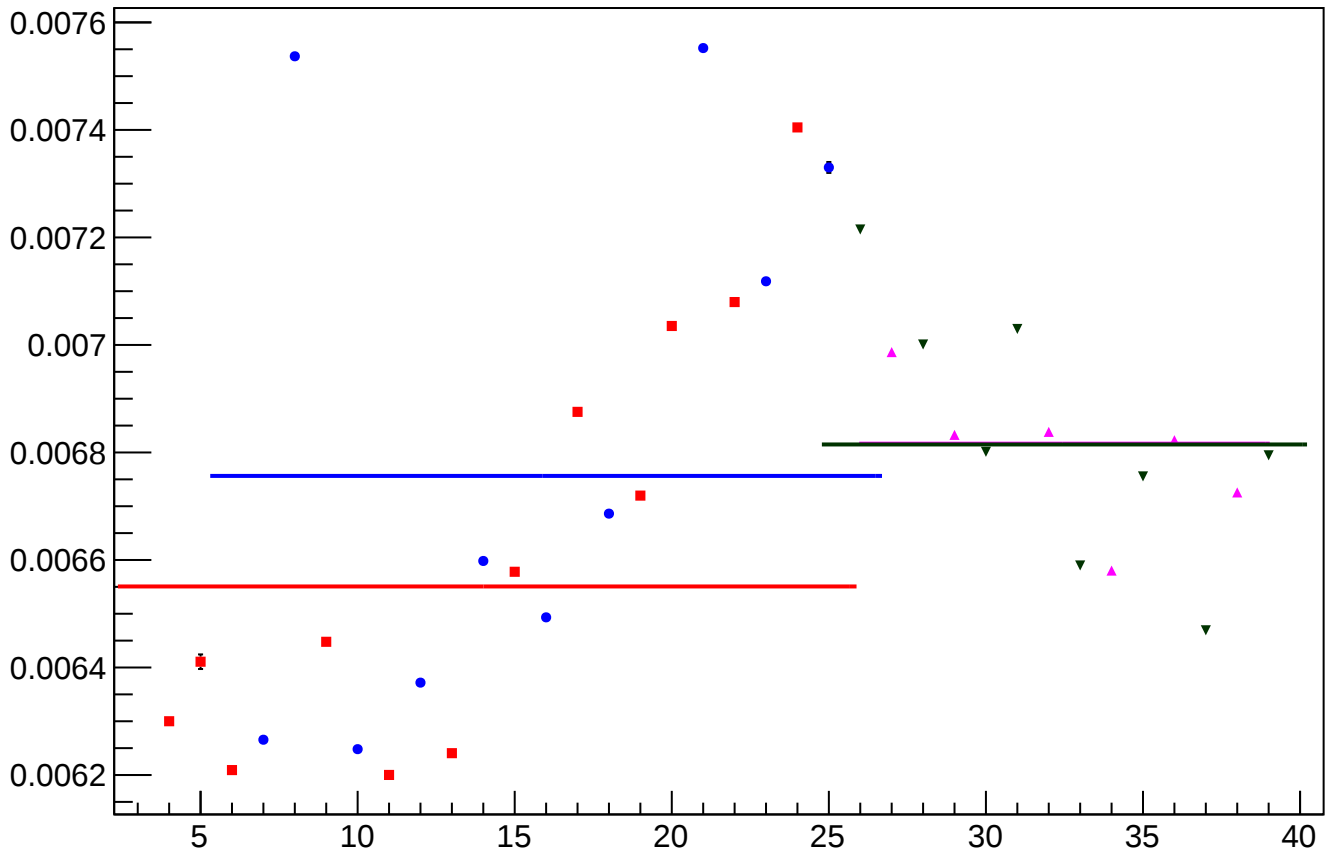
400.989 $\pm$ 0.000 χ^2 /NDF: 177890108579.0/17

Right Out: 401.808 $\pm$ 0.000 χ^2 /NDF: 85007940378.6/11

401.285 $\pm$ 0.000 χ^2 /NDF: 194218063991.6/17

Left In: 400.407 $\pm$ 0.000 χ^2 /NDF: 424165806.8/5

yield_cav4bQ_rms vs slug



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

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

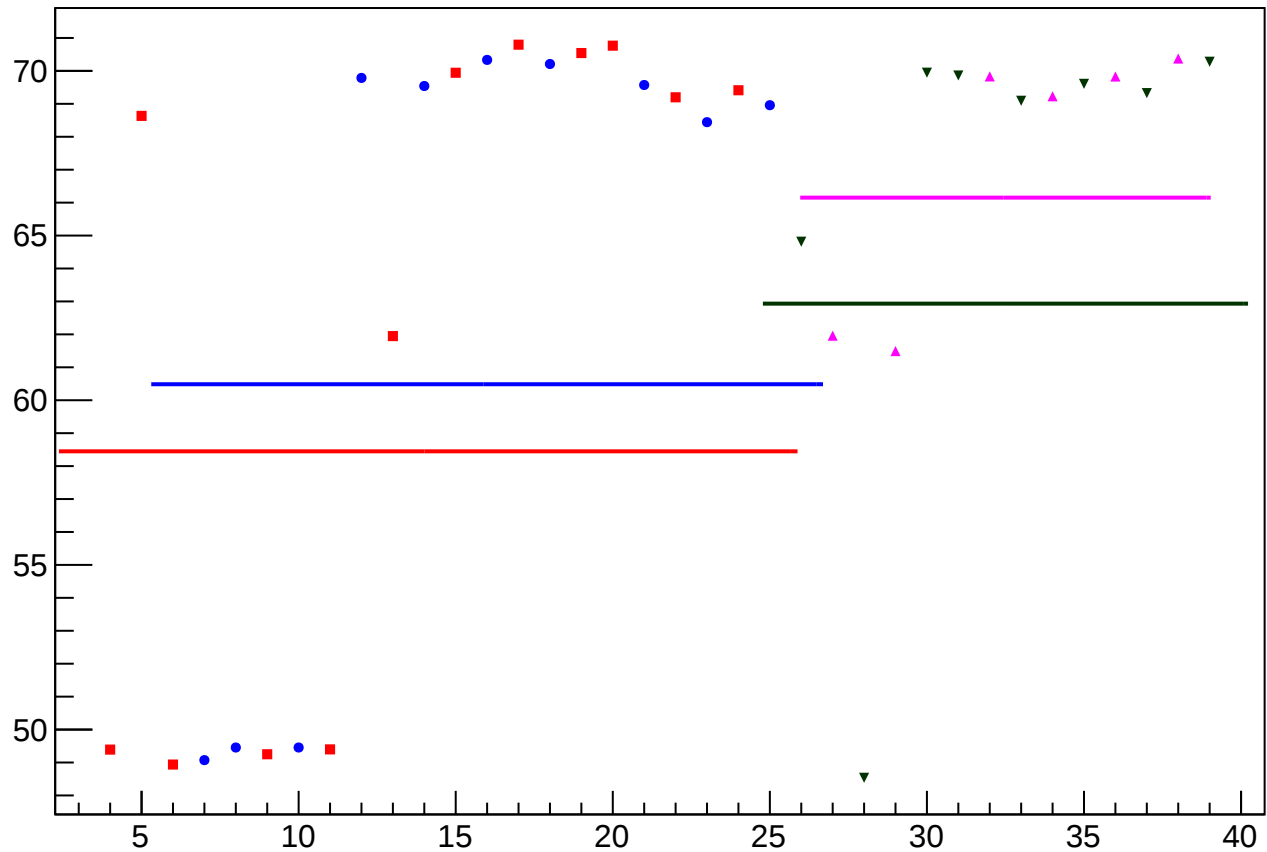
Right Out: 0.007+/-0.000 χ^2/NDF : 42109.3/11

Left In: 0.007+/-0.000 χ^2/NDF : 2525.6/5

0.007+/-0.000 χ^2/NDF : 72502.4/17

0.007+/-0.000 χ^2/NDF : 52463.4/17

yield_cav4cQ_mean vs slug



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

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

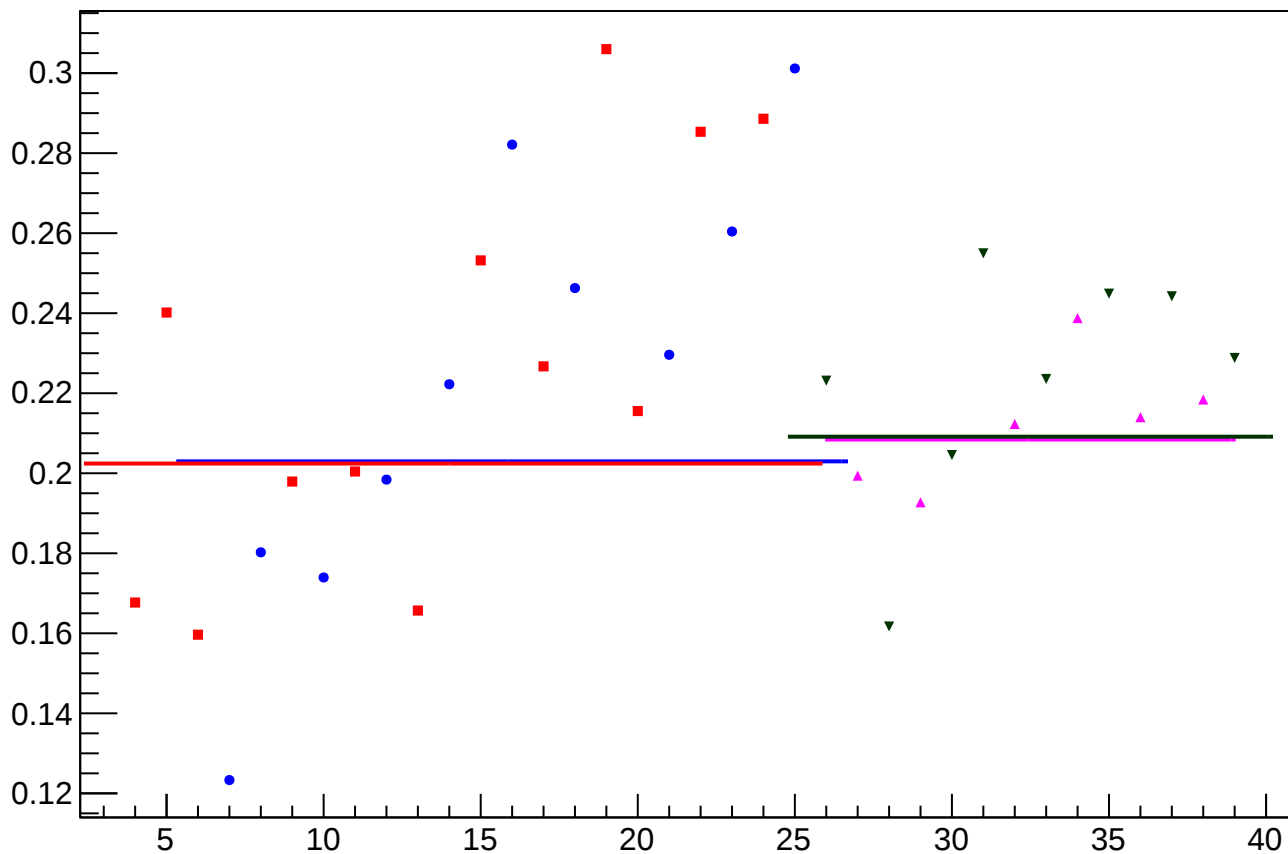
61.440+/-0.000 χ^2/NDF : 22079403147.1/17

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

61.488+/-0.000 χ^2/NDF : 15780694049.2/17

Left In: 66.152+/-0.000 χ^2/NDF : 1384574993.5/5

yield_cav4cQ_rms vs slug



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

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

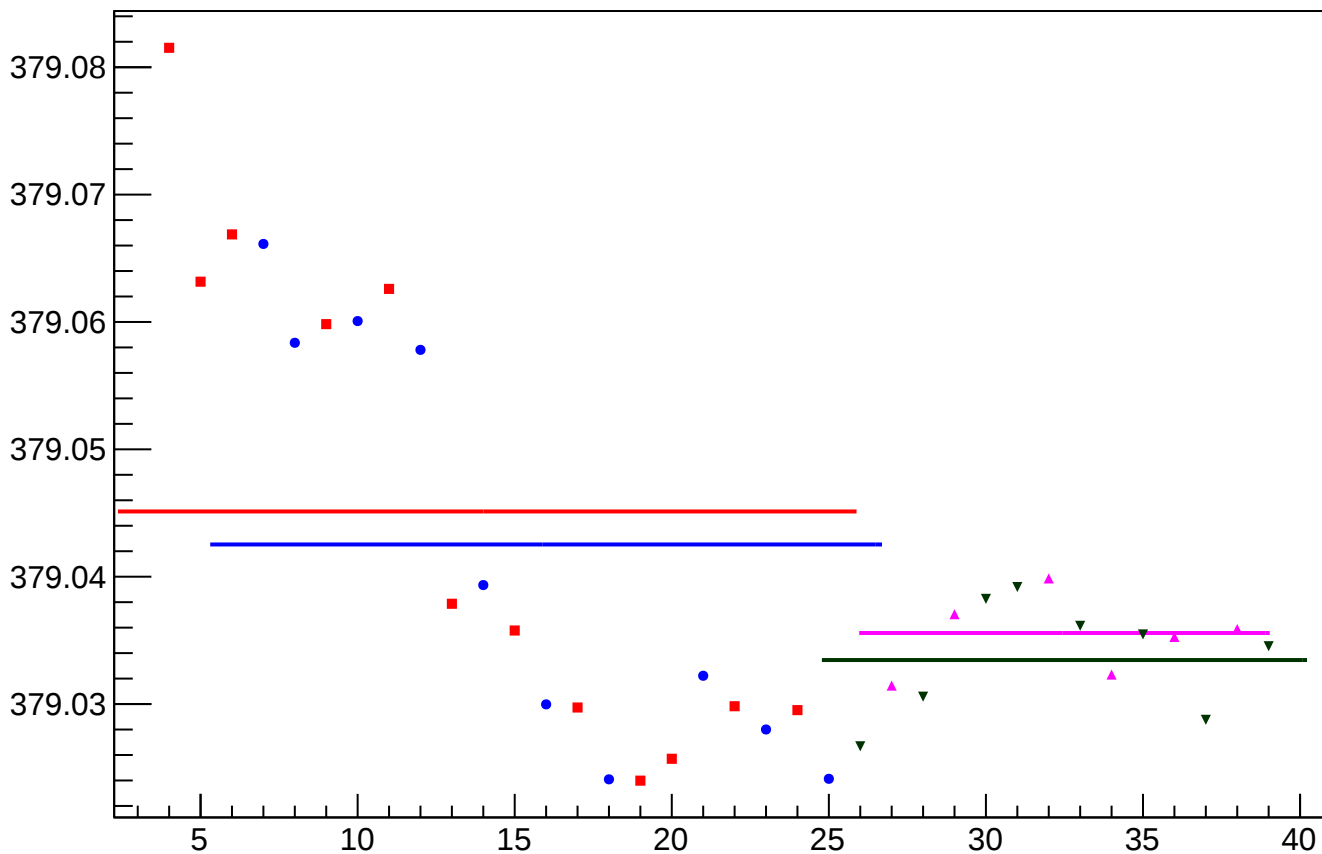
Right Out: 0.202+/-0.000 χ^2/NDF : 477643.7/11

Left In: 0.208+/-0.000 χ^2/NDF : 31082.5/5

0.205+/-0.000 χ^2/NDF : 708473.9/17

0.205+/-0.000 χ^2/NDF : 512404.1/17

yield_cav4dQ_mean vs slug



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

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

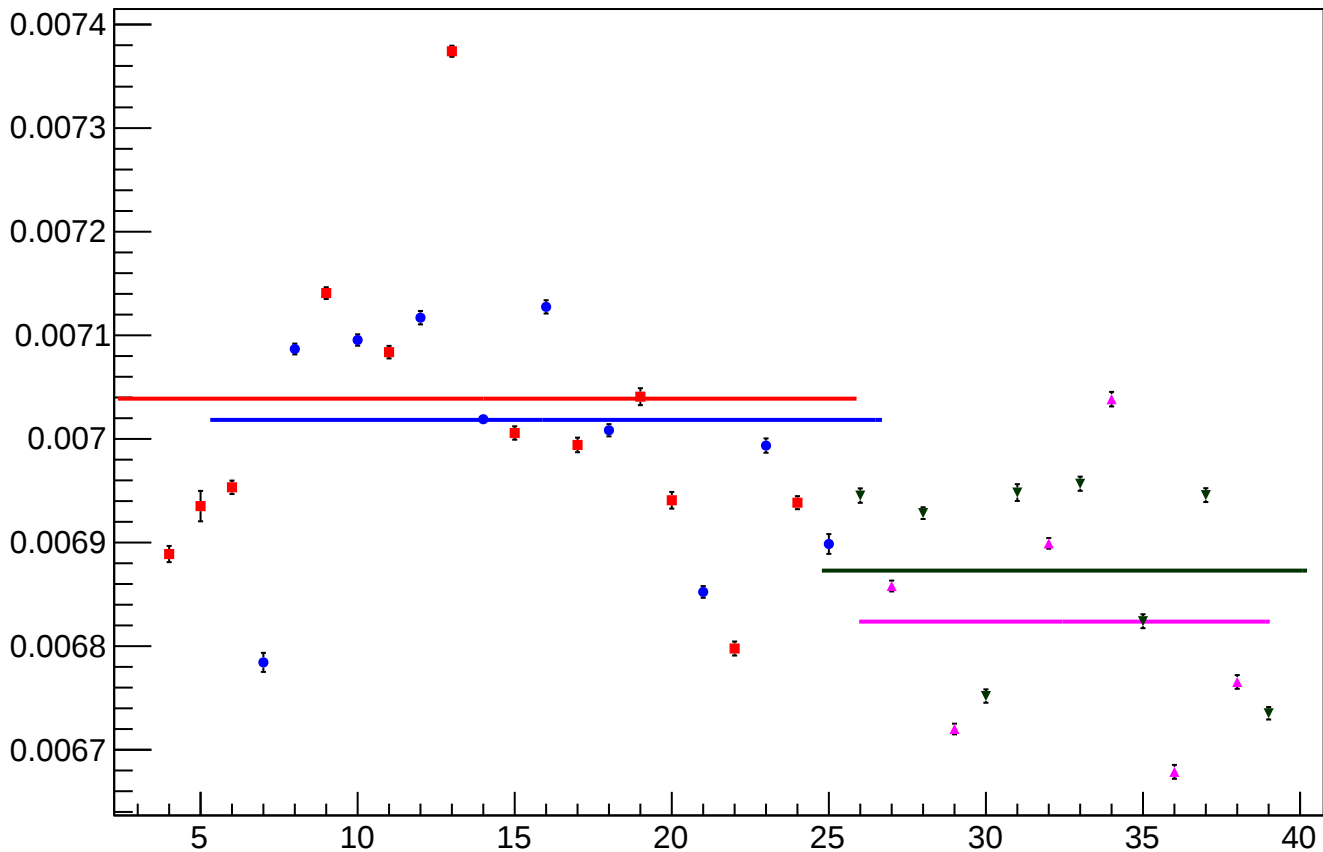
Right Out: 379.045+/-0.000 χ^2/NDF : 40922945.0/11

Left In: 379.036+/-0.000 χ^2/NDF :807744.1/5

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

379.041+/-0.000 χ^2/NDF : 46515582.8/17

yield_cav4dQ_rms vs slug



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

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

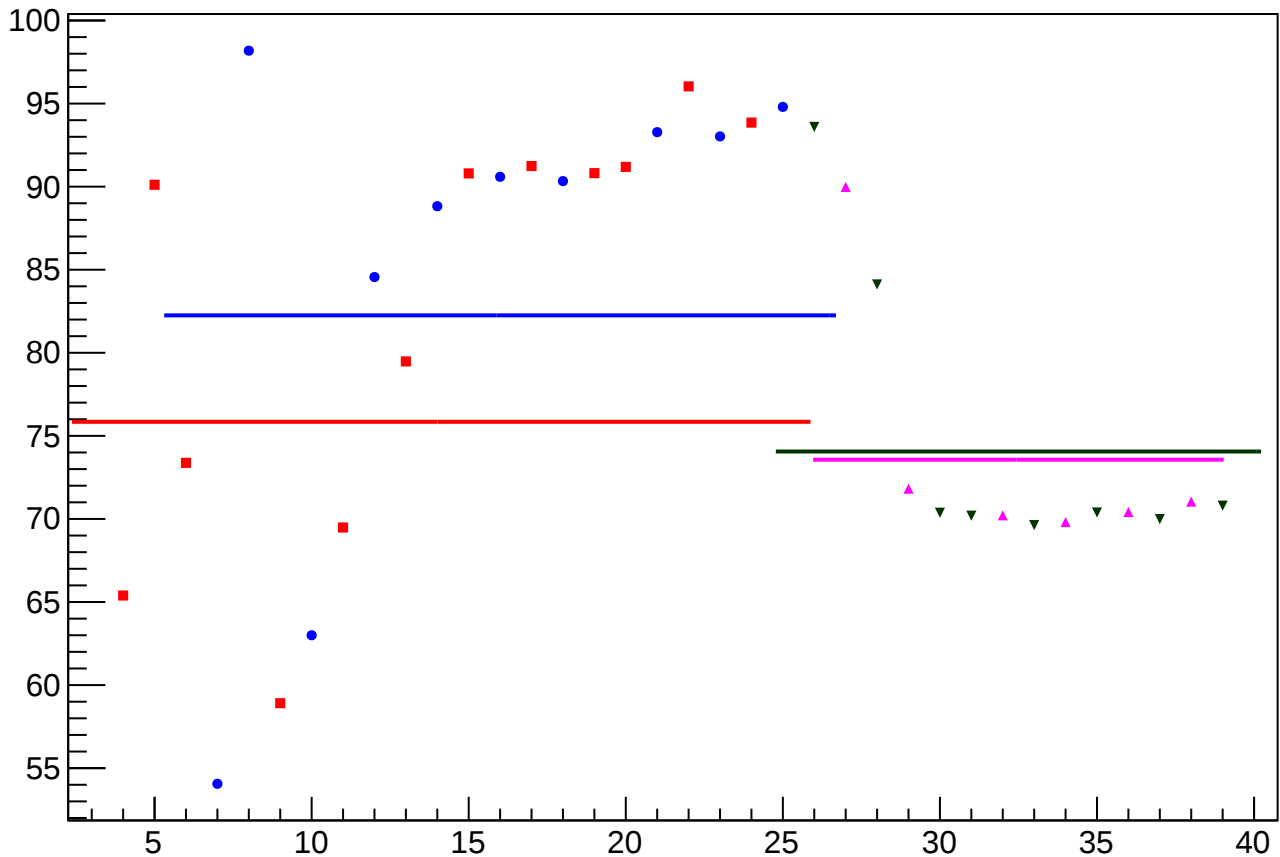
Right Out: 0.007+/-0.000 χ^2/NDF : 6581.5/11

Left In: 0.007+/-0.000 χ^2/NDF :2139.1/5

0.007+/-0.000 χ^2/NDF : 6340.8/17

0.007+/-0.000 χ^2/NDF : 13588.2/17

yield_bcm0l02_mean vs slug



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

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

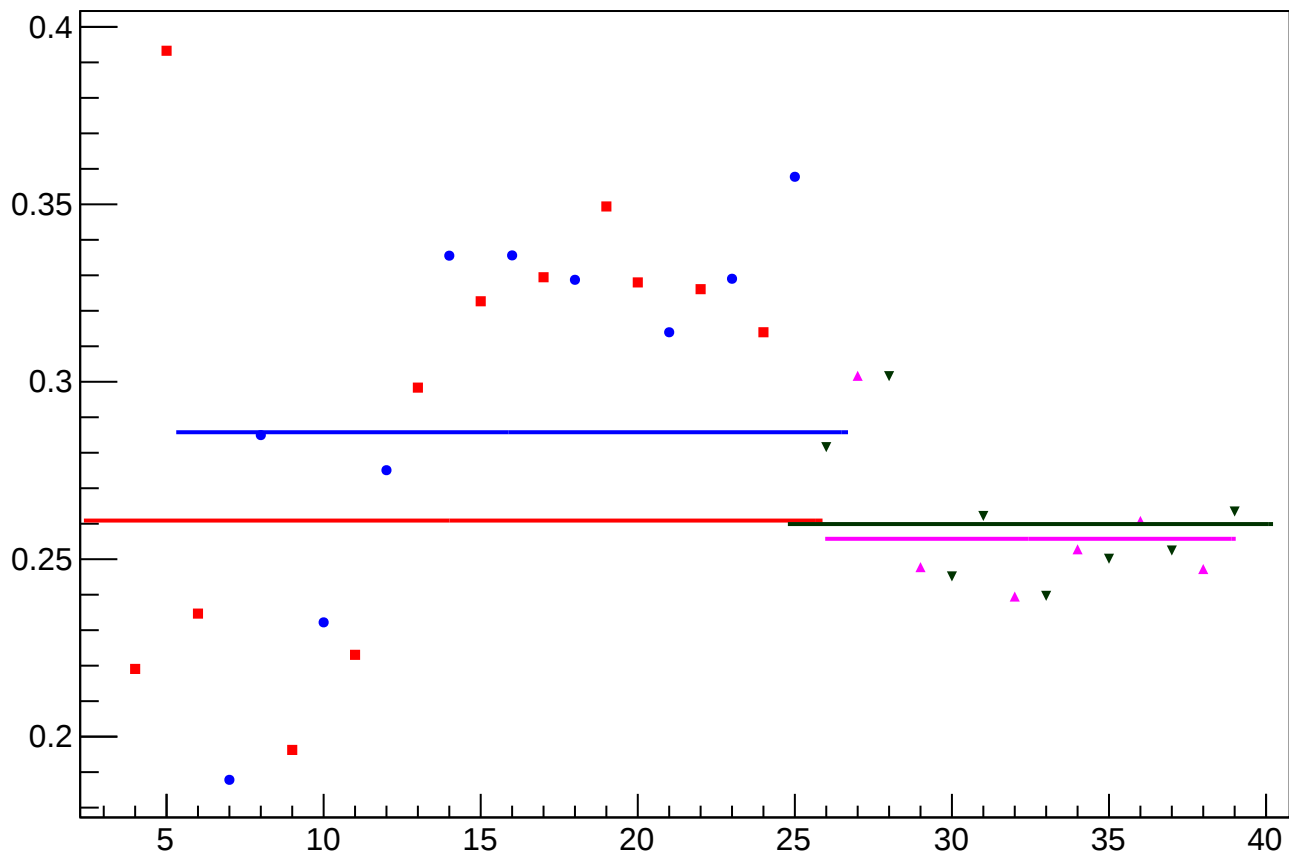
Right Out: 75.847+/-0.000 χ^2/NDF : 13482783083.5/11

Left In: 73.568+/-0.000 χ^2/NDF : 2734248623.7/5

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

74.881+/-0.000 χ^2/NDF : 16391003444.5/17

yield_bcm0l02_rms vs slug



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

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

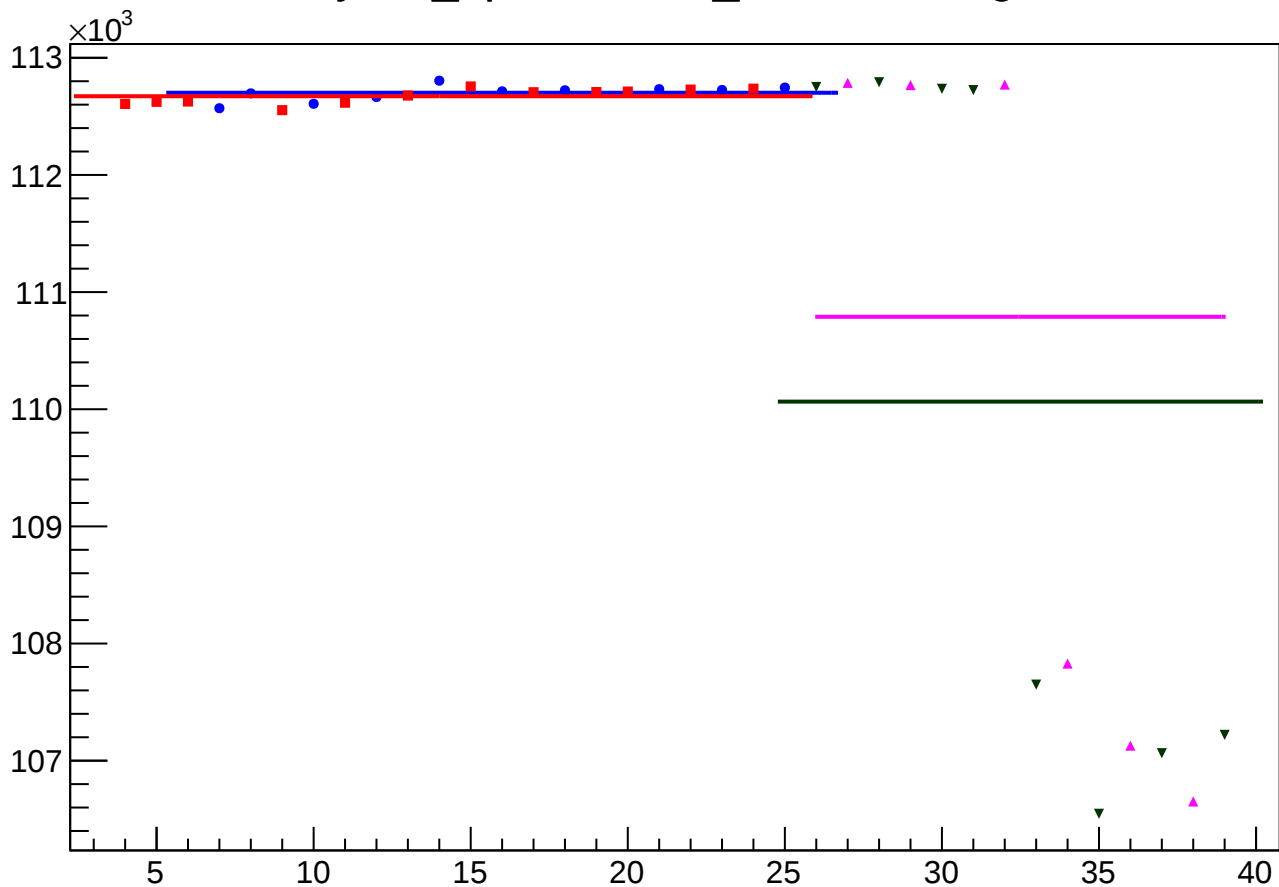
Right Out: 0.261 ± 0.000 χ^2/NDF : 481520.7/11

Left In: 0.256 ± 0.000 χ^2/NDF : 47080.5/5

0.274 ± 0.000 χ^2/NDF : 426924.8/17

0.259 ± 0.000 χ^2/NDF : 530371.3/17

yield_bpm2i01WS_mean vs slug



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

Left Out: 110065.074 $\pm$ 0.058 χ^2 /NDF: 2388239406.0/7

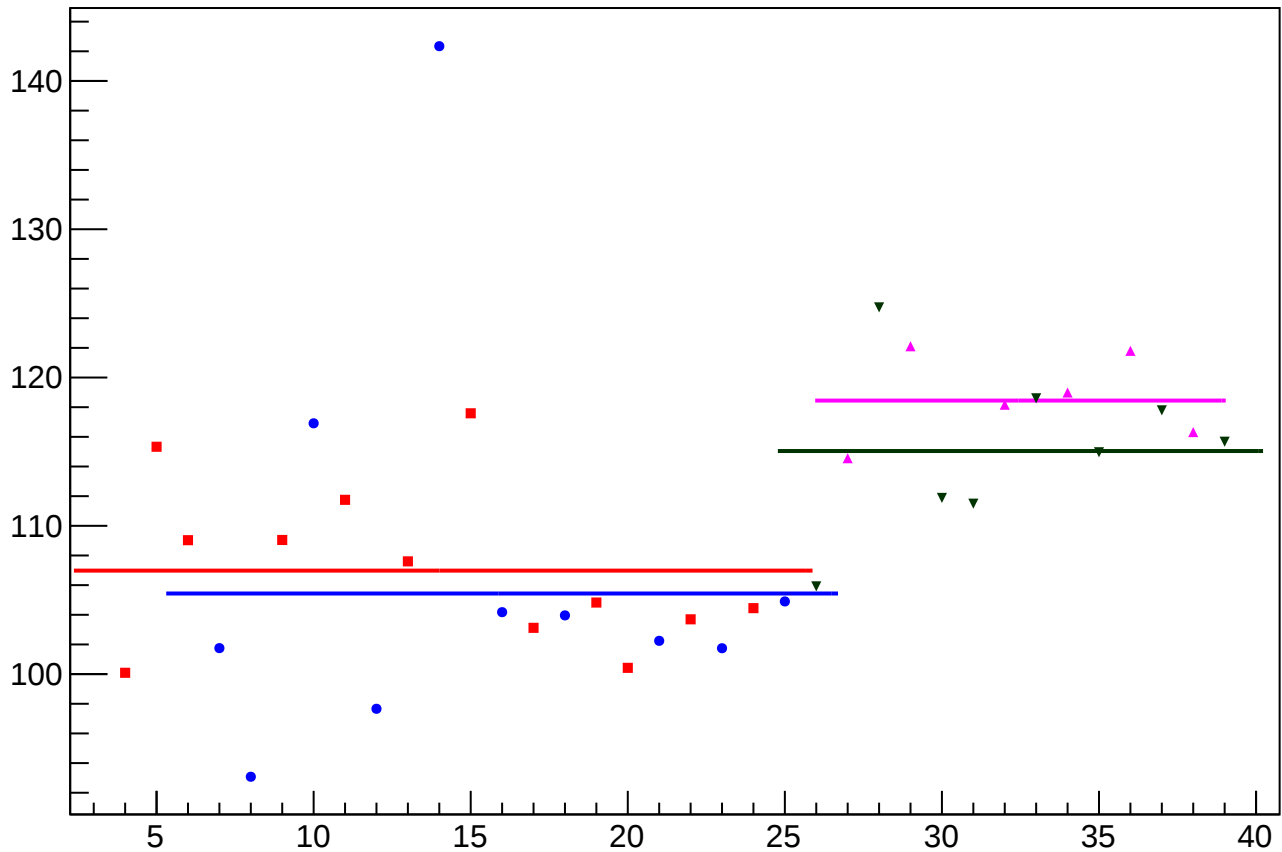
Right Out: 112671.936 $\pm$ 0.043 χ^2 /NDF: 2021453.7/11

Left In: 110789.105 $\pm$ 0.061 χ^2 /NDF: 1964309365.8/5

111779.770 $\pm$ 0.034 χ^2 /NDF: 3737560602.8/17

112034.643 $\pm$ 0.035 χ^2 /NDF: 2602465311.9/17

yield_bpm2i01WS_rms vs slug



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

Left Out: 115.044 $\pm$ 0.041 χ^2 /NDF: 17859.3/7

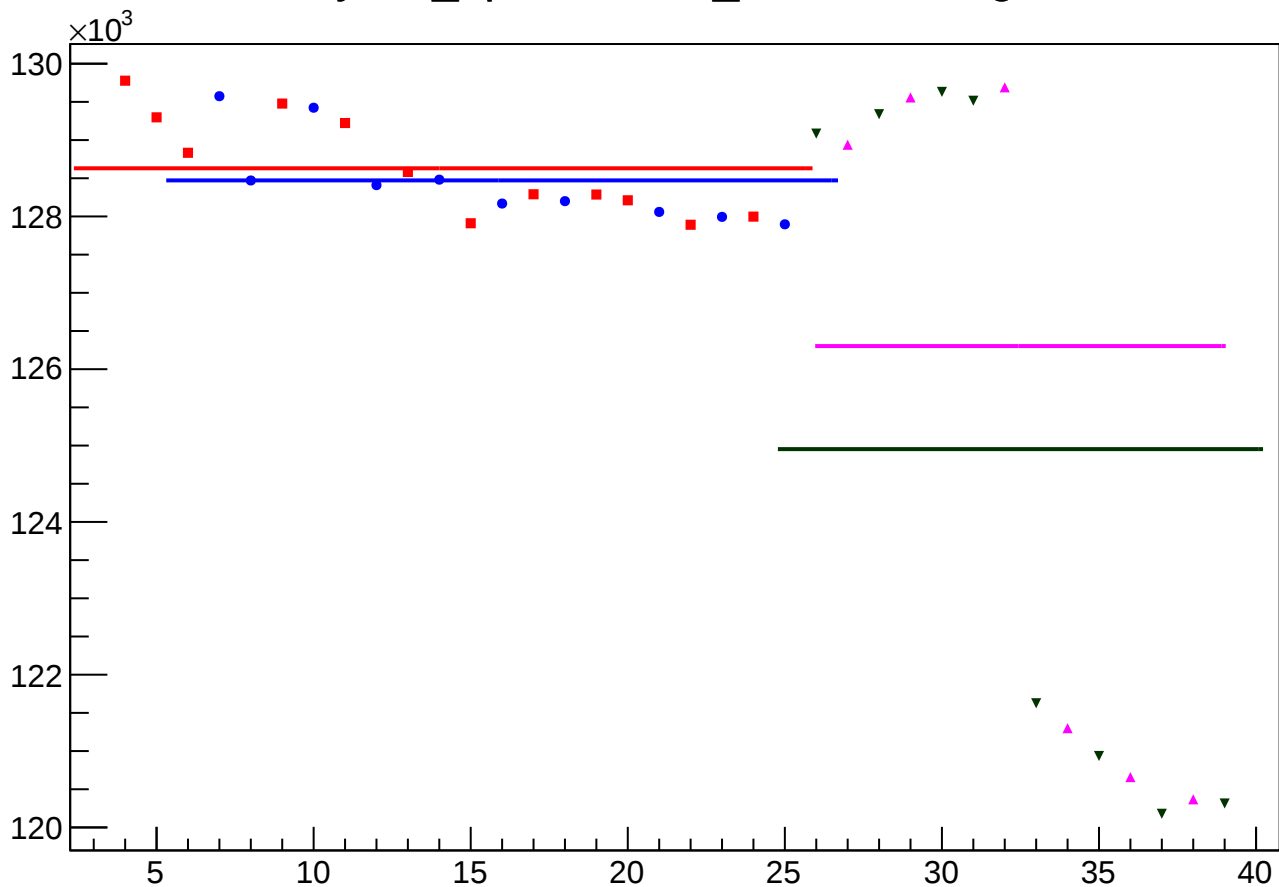
Right Out: 106.980 $\pm$ 0.031 χ^2 /NDF: 22698.2/11

Left In: 118.448 $\pm$ 0.043 χ^2 /NDF: 4276.9/5

108.795 $\pm$ 0.024 χ^2 /NDF: 241990.9/17

110.861 $\pm$ 0.025 χ^2 /NDF: 74172.3/17

yield_bpm0i07WS_mean vs slug



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

Left Out: 124953.388 $\pm$ 0.100 χ^2 /NDF: 1901228199.6/7

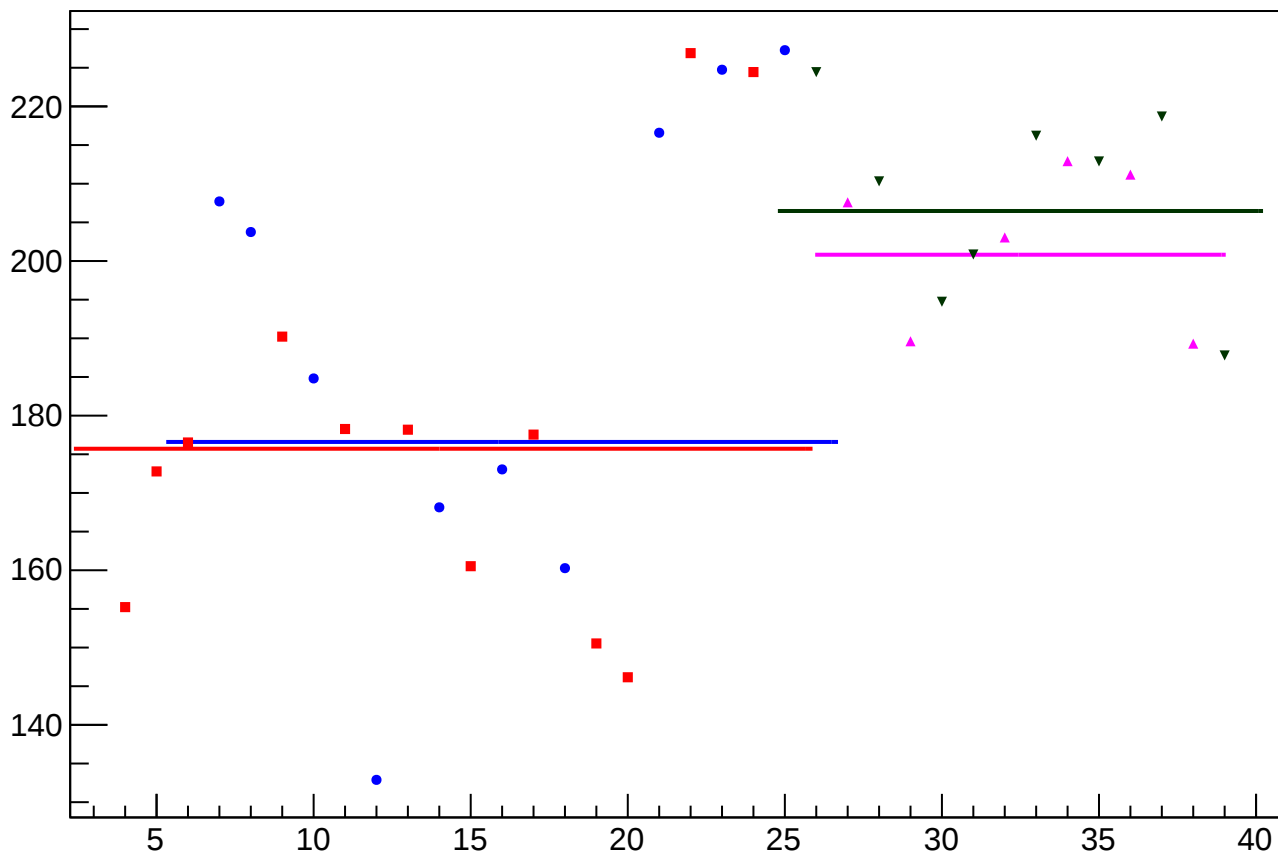
Right Out: 128630.323 $\pm$ 0.071 χ^2 /NDF: 69976766.8/11

Left In: 126302.932 $\pm$ 0.099 χ^2 /NDF: 1764493871.5/5

127300.554 $\pm$ 0.058 χ^2 /NDF: 2761345883.2/17

127843.081 $\pm$ 0.058 χ^2 /NDF: 2197228468.3/17

yield_bpm0i07WS_rms vs slug



Right In: 176.597 ± 0.050 χ^2/NDF : 316543.8/9

Left Out: 206.471 ± 0.071 χ^2/NDF : 29819.3/7

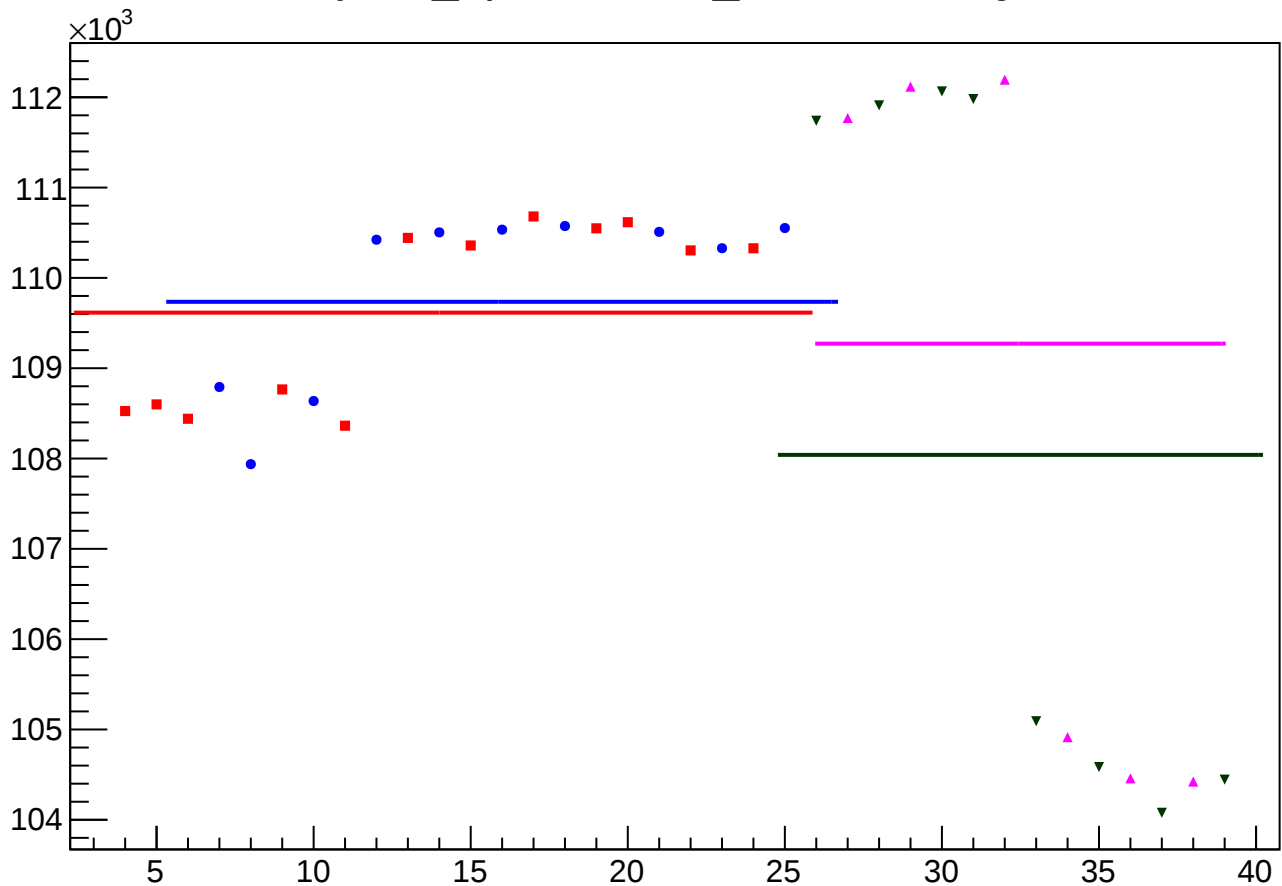
Right Out: 175.718 ± 0.050 χ^2/NDF : 188443.6/11

Left In: 200.815 ± 0.070 χ^2/NDF : 17309.1/5

186.543 ± 0.041 χ^2/NDF : 464706.1/17

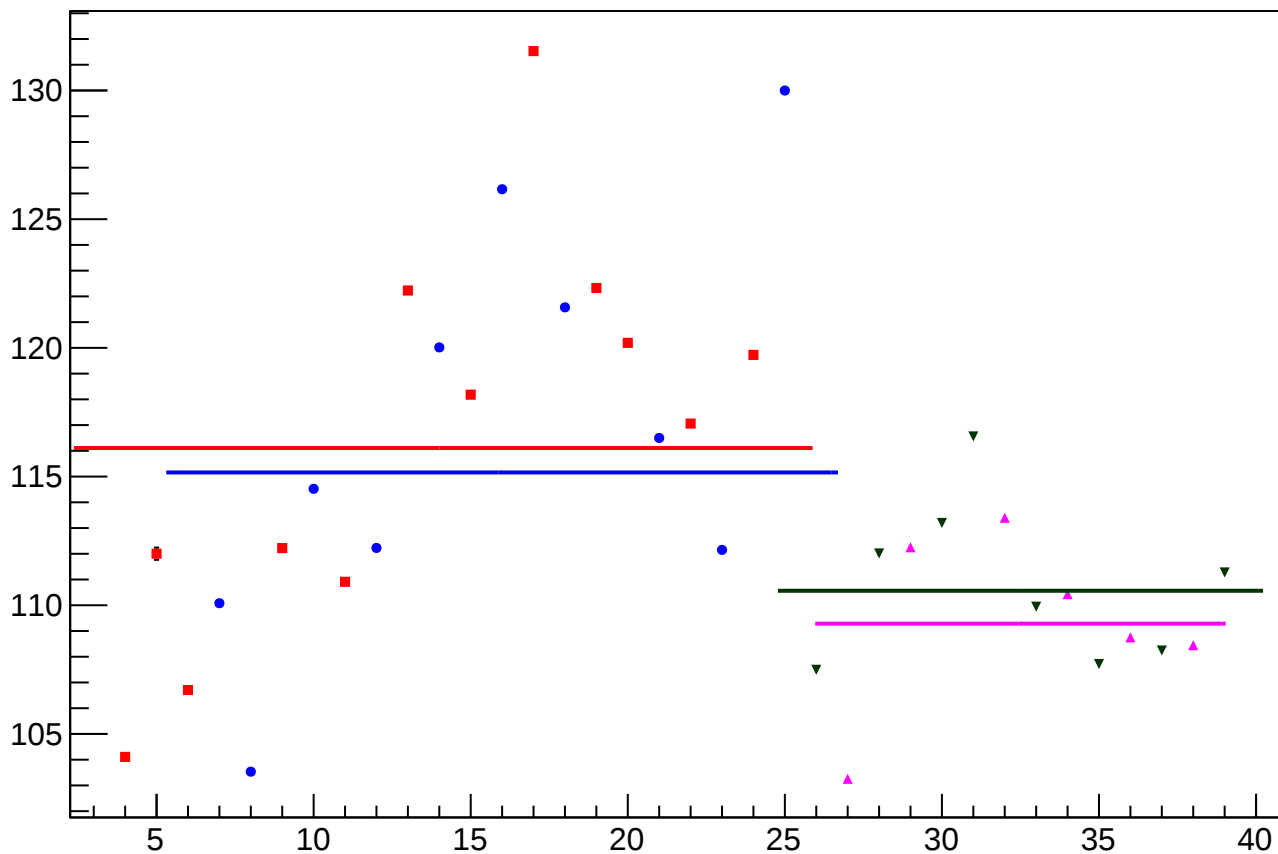
184.207 ± 0.041 χ^2/NDF : 290112.1/17

yield_bpm0l01WS_mean vs slug



Right In: 109735.295 $\pm$ 0.046 χ^2/NDF : 537097563.8/9
 Left Out: 108040.439 $\pm$ 0.054 χ^2/NDF : 4724562505.4/7
 Right Out: 109615.412 $\pm$ 0.047 χ^2/NDF : 419274077.4/11
 Left In: 109272.030 $\pm$ 0.054 χ^2/NDF : 4399847304.2/5

yield_bpm0l01WS_rms vs slug



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

Left Out: 110.563 $\pm$ 0.038 χ^2 /NDF: 4834.2/7

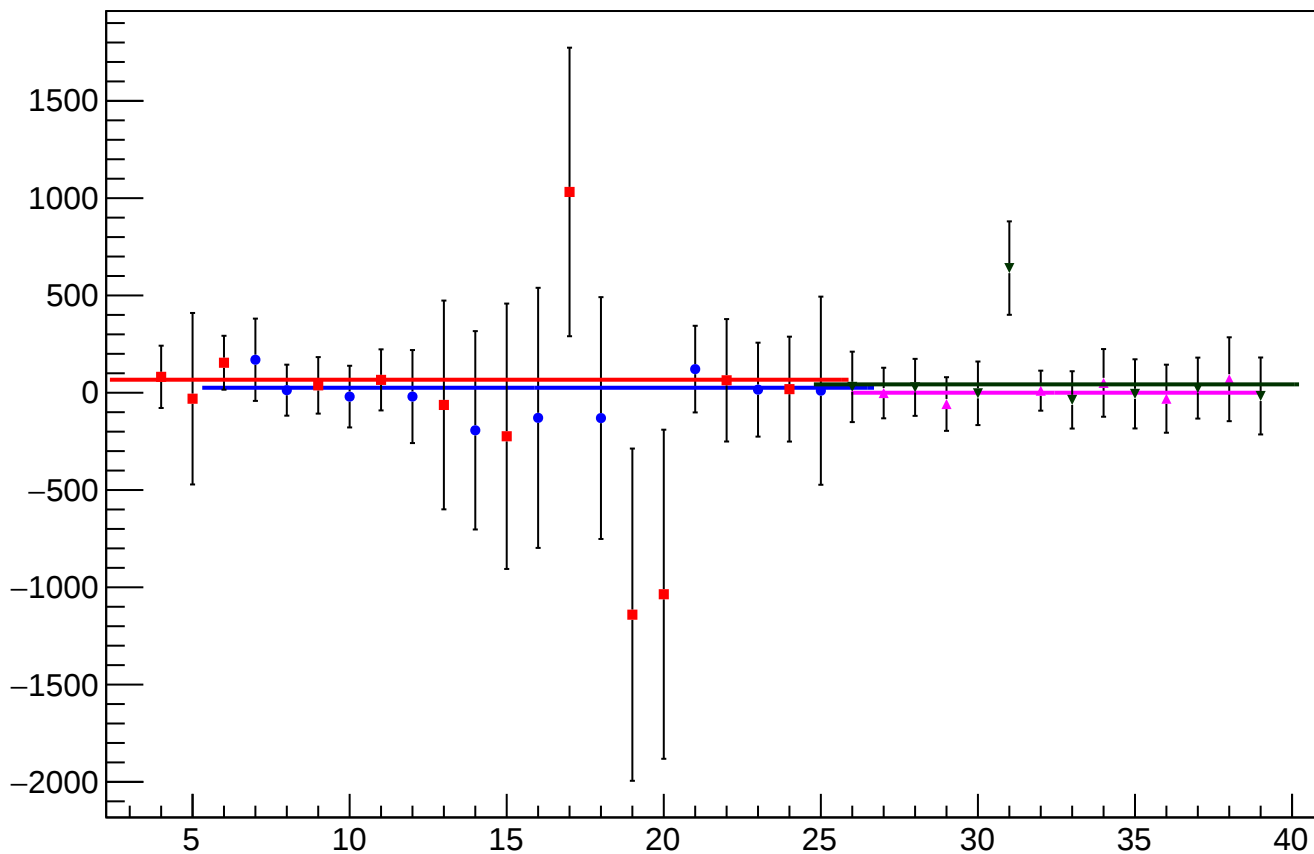
Right Out: 116.109 $\pm$ 0.033 χ^2 /NDF: 44081.8/11

Left In: 109.285 $\pm$ 0.038 χ^2 /NDF: 9445.3/5

113.234 $\pm$ 0.025 χ^2 /NDF: 61423.0/17

113.192 $\pm$ 0.025 χ^2 /NDF: 71748.9/17

asym_bcm_an_ds_mean vs slug



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

Left Out: 43.011+/-60.195 χ^2/NDF : 6.8/7

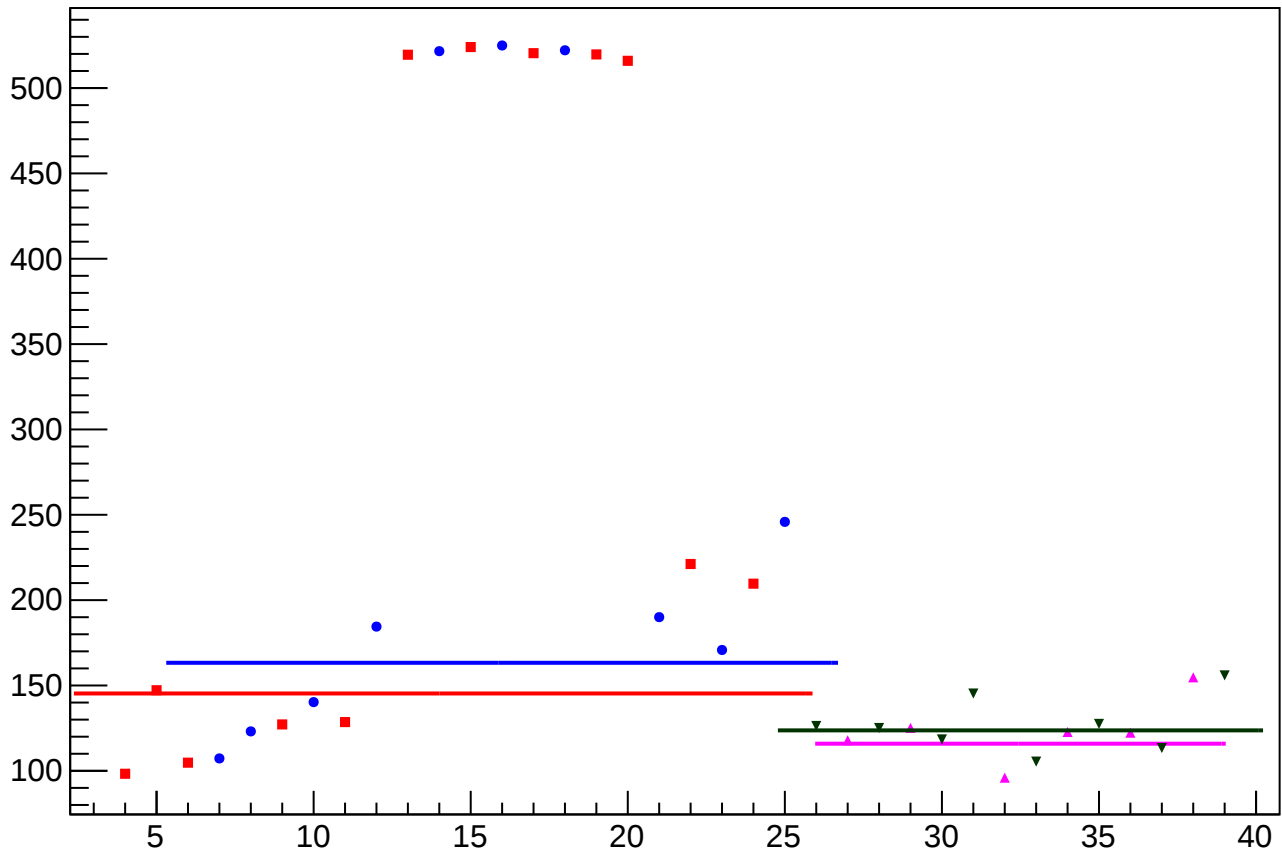
Right Out: 66.920+/-67.669 χ^2/NDF : 6.2/11

Left In: 0.080+/-58.352 χ^2/NDF : 0.4/5

35.961+/-46.416 χ^2/NDF : 7.9/17

28.585+/-44.191 χ^2/NDF : 7.1/17

asym_bcm_an_ds_rms vs slug



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

Left Out: 123.700+/-0.043 χ^2/NDF :112379.1/7

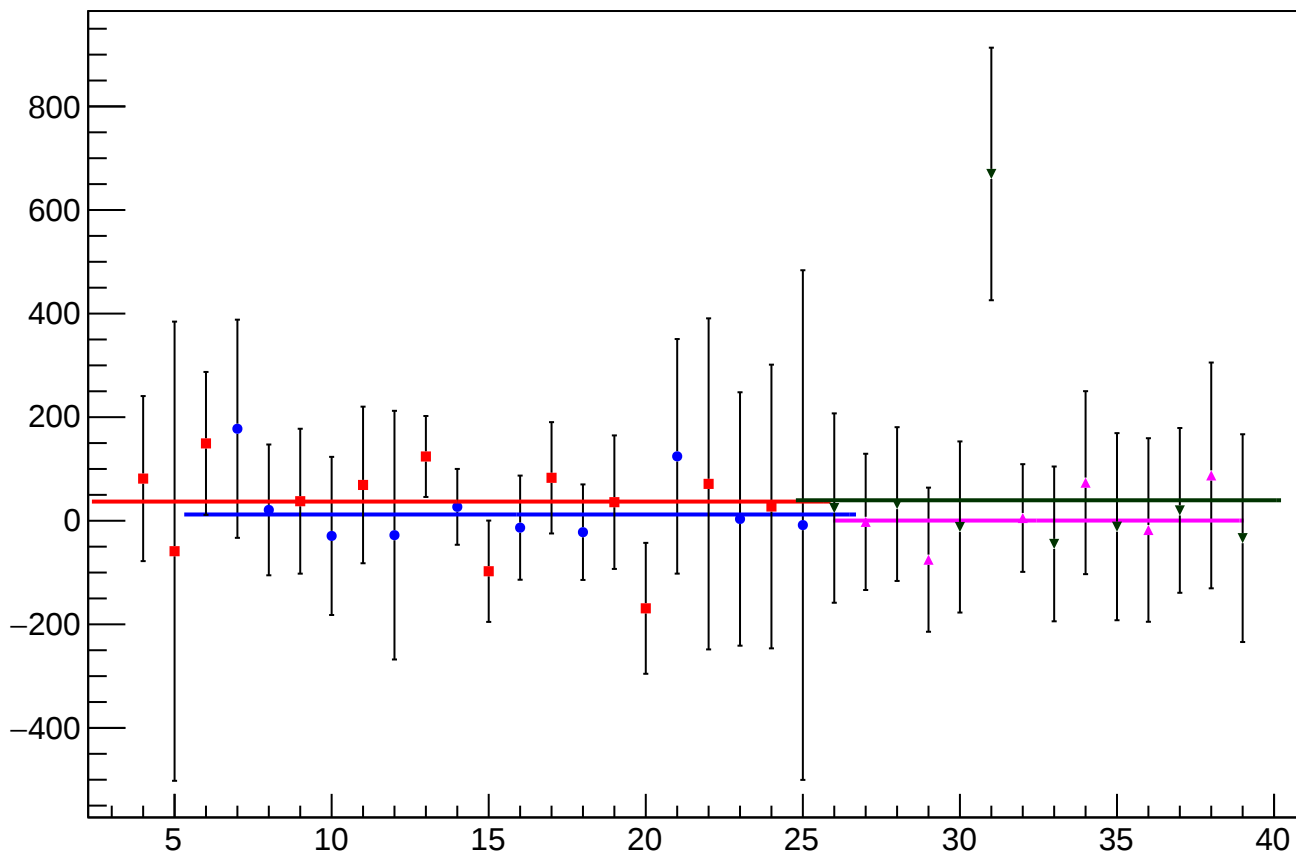
139.753+/-0.033 χ^2/NDF : 3179275.8/17

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

128.446+/-0.031 χ^2/NDF : 3870687.6/17

Left In: 115.899+/-0.041 χ^2/NDF :155466.3/5

asym_bcm_an_ds3_mean vs slug



Right In: 12.098 ± 41.208 χ^2/NDF : 1.2/9

Left Out: 39.553 ± 61.024 χ^2/NDF : 7.3/7

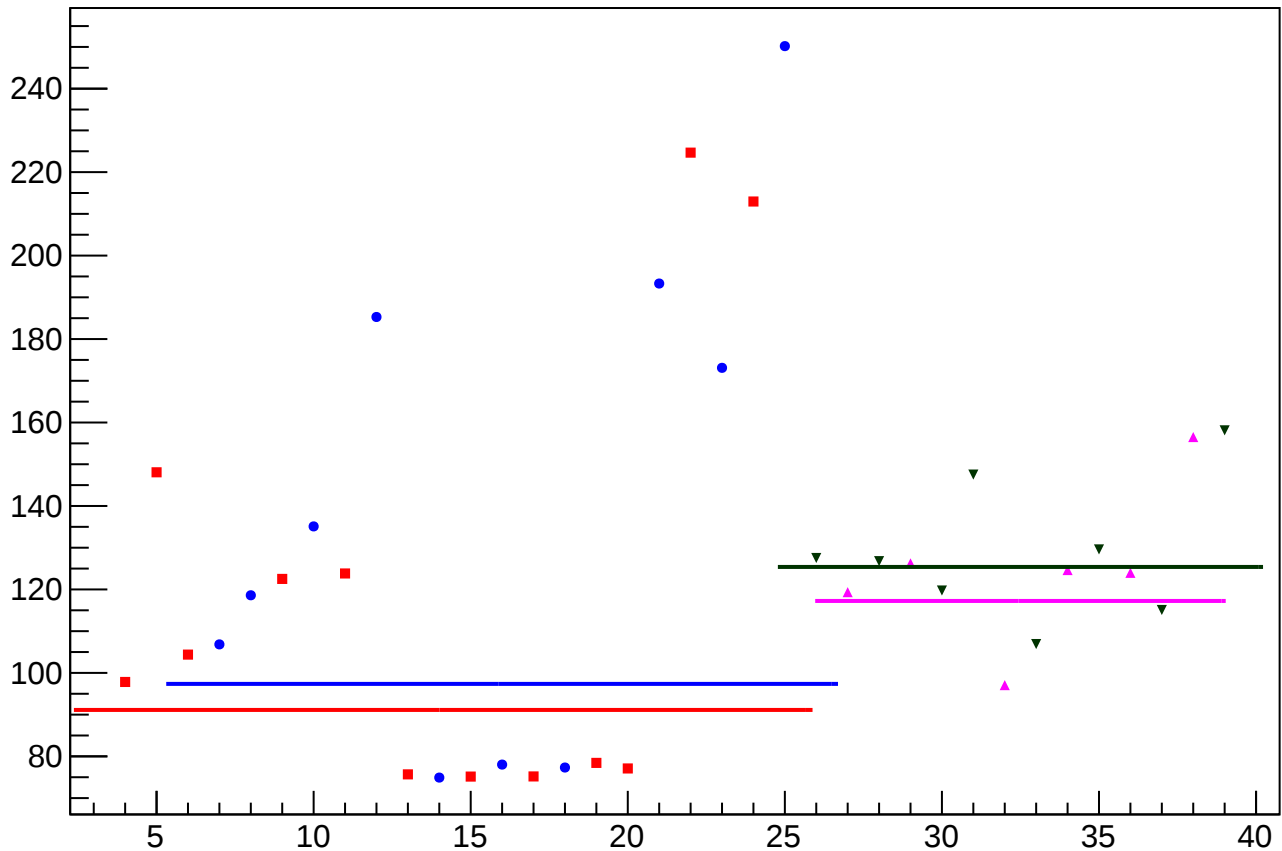
Right Out: 37.031 ± 38.001 χ^2/NDF : 6.8/11

Left In: 0.389 ± 59.039 χ^2/NDF : 0.6/5

20.697 ± 34.151 χ^2/NDF : 8.7/17

26.297 ± 31.954 χ^2/NDF : 7.7/17

asym_bcm_an_ds3_rms vs slug



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

Left Out: 125.392+/-0.043 χ^2/NDF :112587.9/7

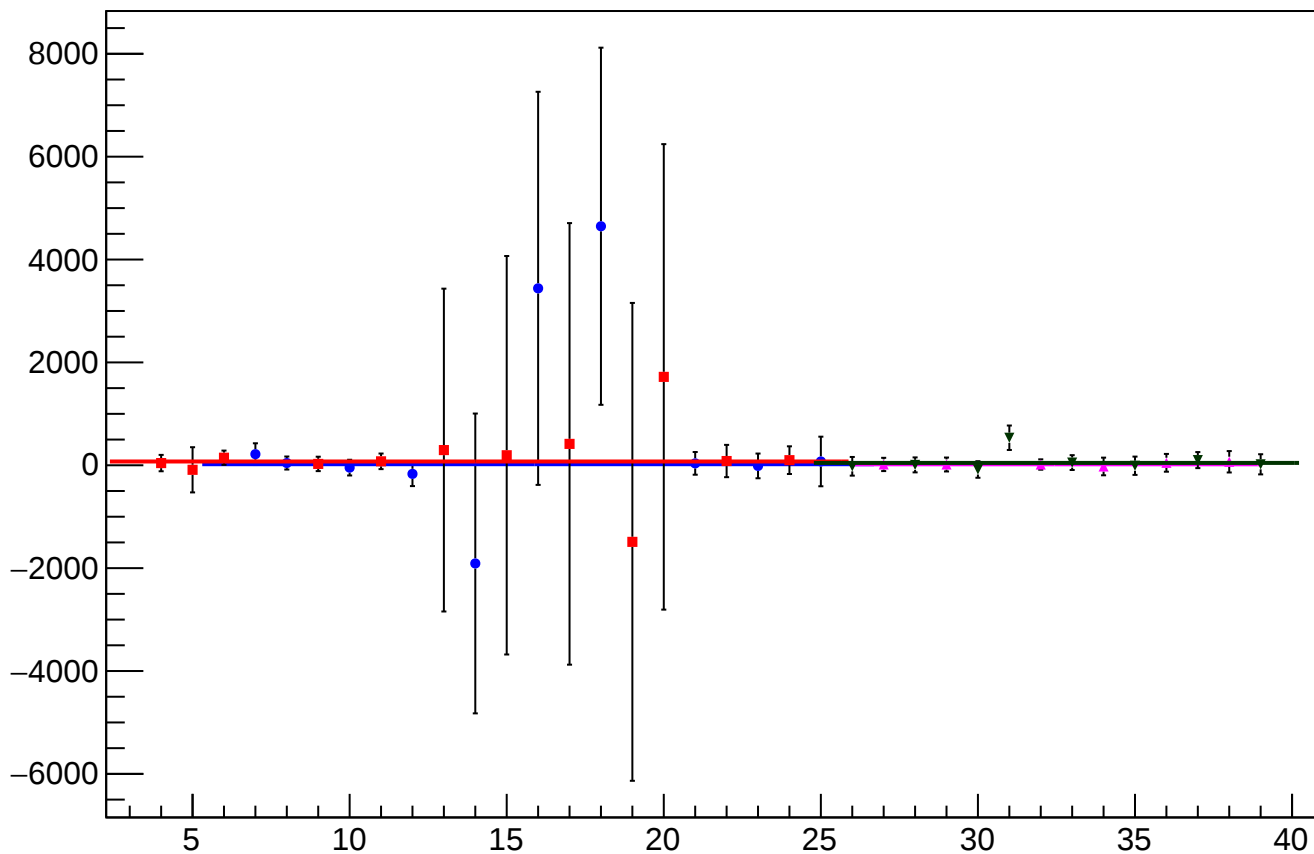
Right Out: 91.126+/-0.027 χ^2/NDF : 1213529.6/11

Left In: 117.242+/-0.042 χ^2/NDF :155501.8/5

106.143+/-0.024 χ^2/NDF : 1953366.1/17

98.776+/-0.023 χ^2/NDF : 1645734.4/17

asym_bcm_an_us_mean vs slug



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

Left Out: 46.090+/-59.682 χ^2/NDF : 5.3/7

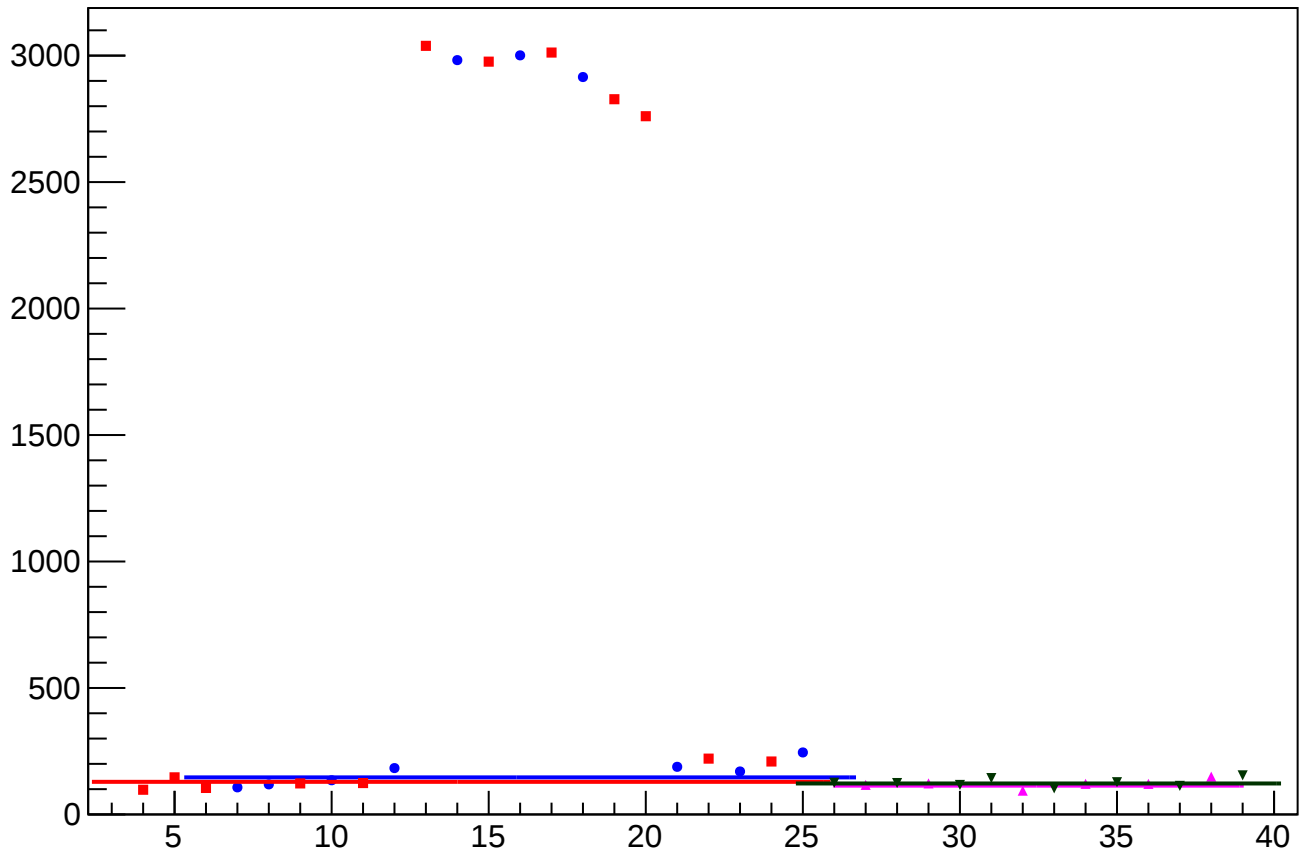
Right Out: 73.751+/-68.100 χ^2/NDF : 0.8/11

Left In: 18.610+/-57.378 χ^2/NDF : 0.1/5

36.002+/-46.196 χ^2/NDF : 10.1/17

41.503+/-43.879 χ^2/NDF : 1.4/17

asym_bcm_an_us_rms vs slug



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

Left Out: 122.476 $\pm$ 0.042 χ^2 /NDF: 118172.8/7

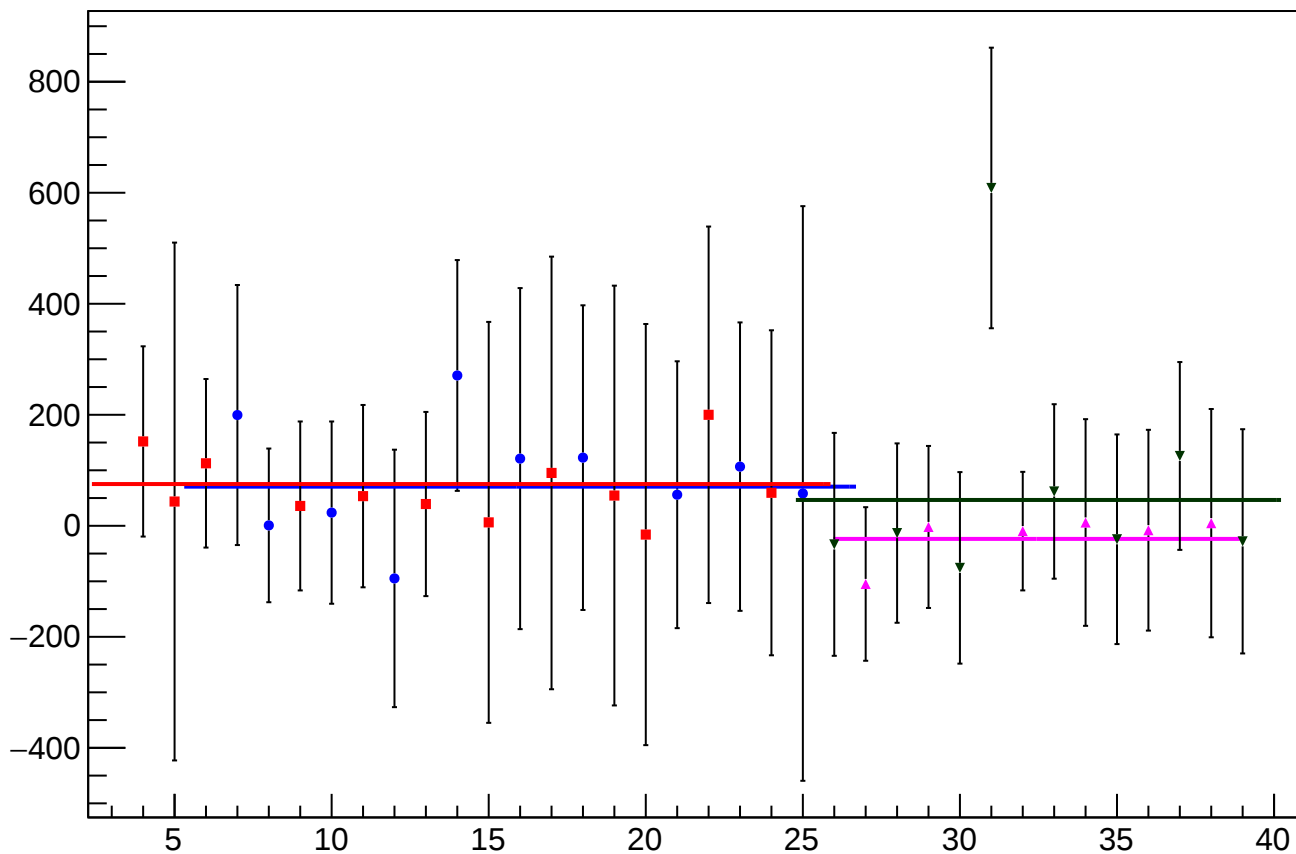
Right Out: 128.952 $\pm$ 0.048 χ^2 /NDF: 5549811.0/11

Left In: 113.947 $\pm$ 0.041 χ^2 /NDF: 152276.8/5

132.135 $\pm$ 0.033 χ^2 /NDF: 4927867.4/17

120.177 $\pm$ 0.031 χ^2 /NDF: 5758873.4/17

asym_bcm_dg_us_mean vs slug



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

Left Out: 46.551 $\pm$ 64.505 χ^2 /NDF: 6.2/7

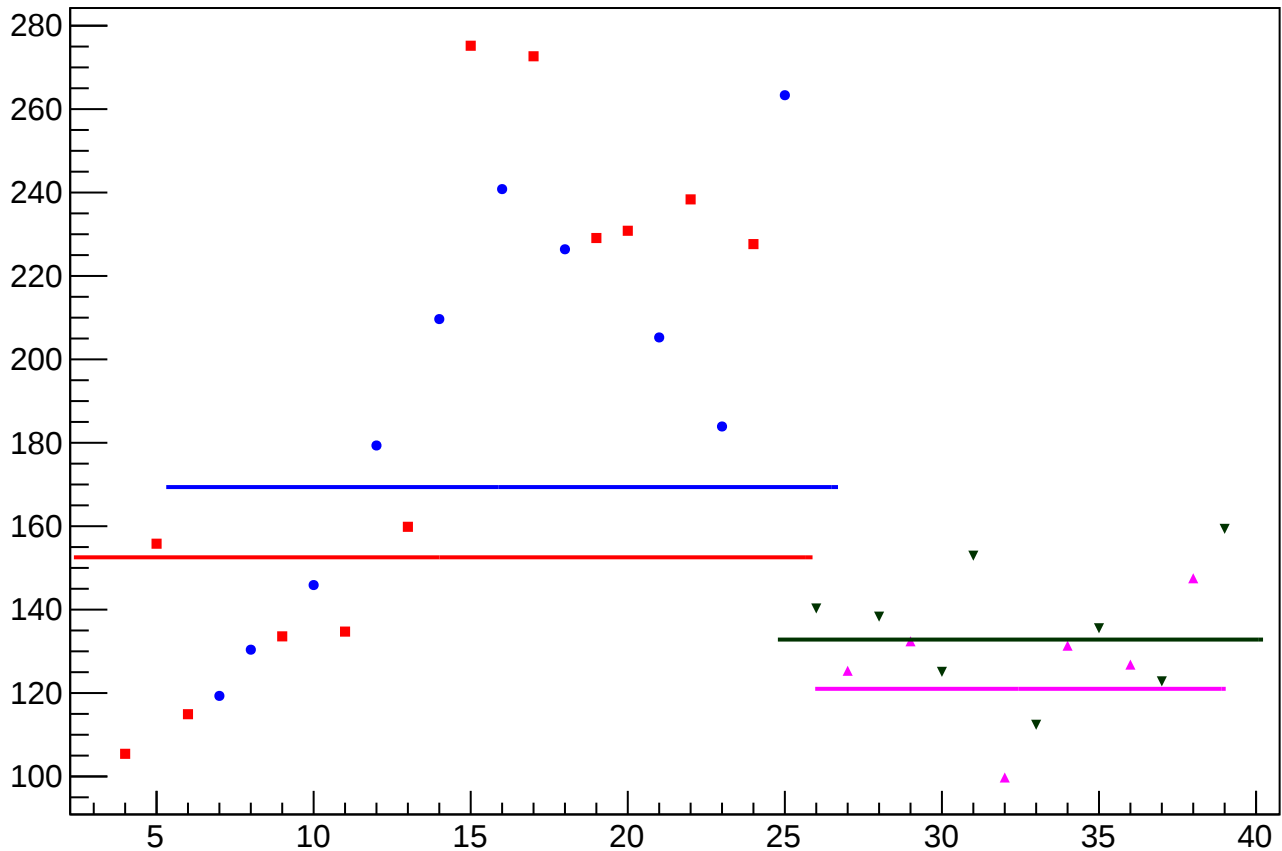
Right Out: 75.223 $\pm$ 63.607 χ^2 /NDF: 0.6/11

Left In: -23.594 $\pm$ 60.862 χ^2 /NDF: 0.4/5

57.710 $\pm$ 47.178 χ^2 /NDF: 8.5/17

23.636 $\pm$ 43.974 χ^2 /NDF: 2.3/17

asym_bcm_dg_us_rms vs slug



Right In: 169.383 ± 0.049 $\chi^2/\text{NDF}: 680872.4/9$

Left Out: 132.820 ± 0.046 $\chi^2/\text{NDF}: 97496.2/7$

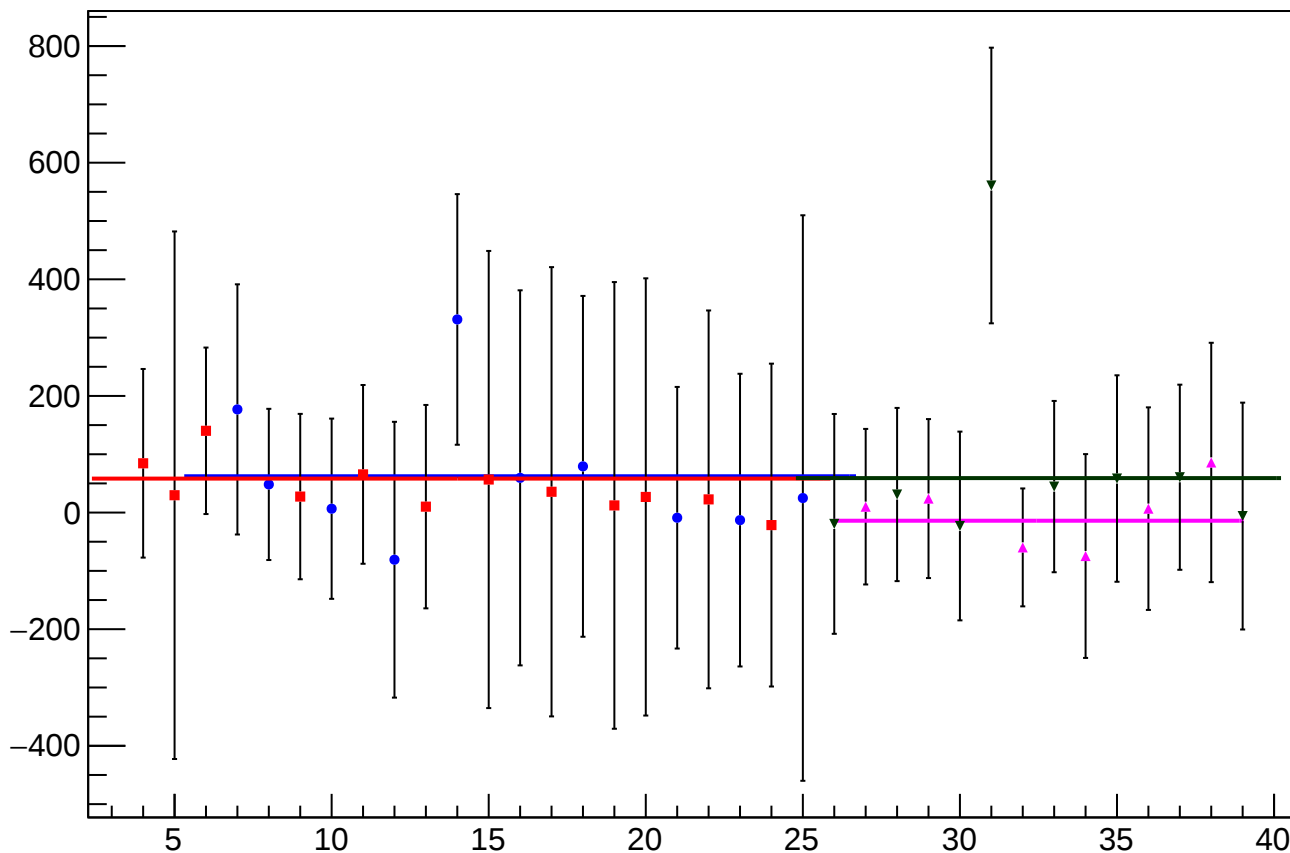
149.825 ± 0.033 $\chi^2/\text{NDF}: 1077210.0/17$

Right Out: 152.541 ± 0.045 $\chi^2/\text{NDF}: 1180030.6/11$

136.081 ± 0.031 $\chi^2/\text{NDF}: 1571436.9/17$

Left In: 121.012 ± 0.043 $\chi^2/\text{NDF}: 134863.8/5$

asym_bcm_dg_ds_mean vs slug



Right In: 62.253 ± 66.815 $\chi^2/\text{NDF}: 2.6/9$

Left Out: 59.103 ± 60.420 $\chi^2/\text{NDF}: 5.1/7$

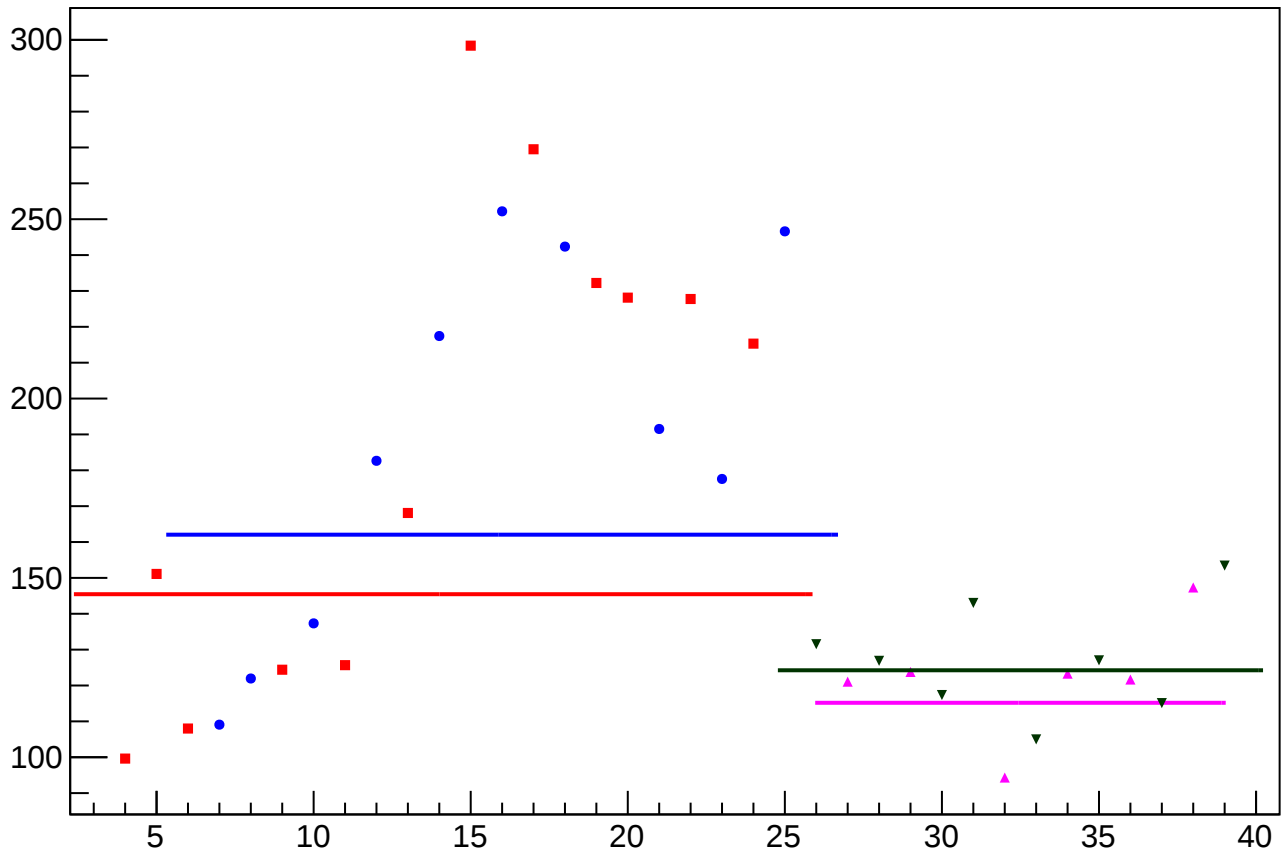
Right Out: 58.253 ± 61.187 $\chi^2/\text{NDF}: 0.6/11$

Left In: -13.997 ± 57.980 $\chi^2/\text{NDF}: 0.7/5$

60.520 ± 44.814 $\chi^2/\text{NDF}: 7.7/17$

20.185 ± 42.086 $\chi^2/\text{NDF}: 2.0/17$

asym_bcm_dg_ds_rms vs slug



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

Left Out: 124.244+/-0.043 χ^2/NDF : 106443.4/7

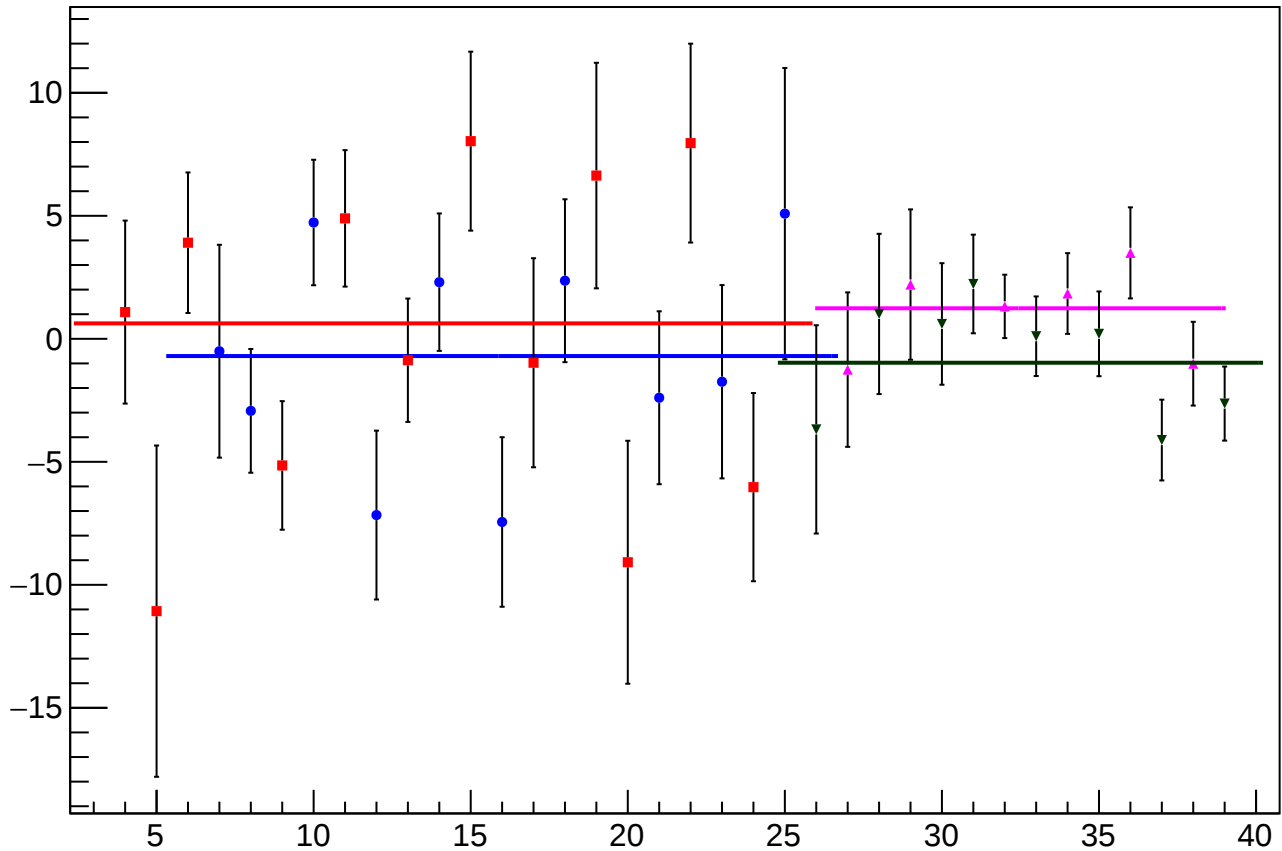
141.251+/-0.032 χ^2/NDF : 1382297.6/17

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

129.502+/-0.030 χ^2/NDF : 1788843.6/17

Left In: 115.179+/-0.041 χ^2/NDF : 153035.9/5

asym_cav4bQ_mean vs slug



Right In: -0.701 ± 1.038 χ^2/NDF : 16.0/9

Left Out: -0.972 ± 0.691 χ^2/NDF : 9.5/7

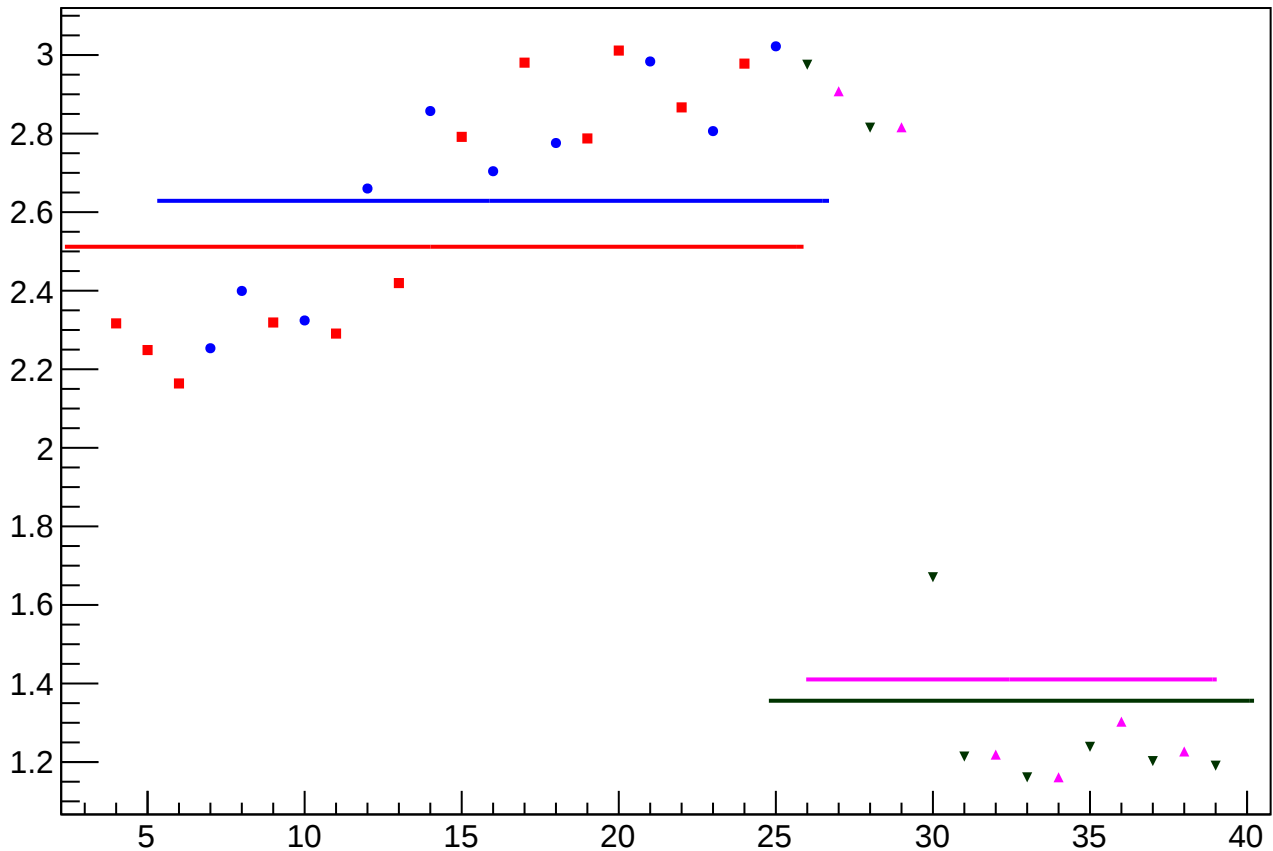
Right Out: 0.628 ± 0.999 χ^2/NDF : 28.1/11

Left In: 1.241 ± 0.741 χ^2/NDF : 4.1/5

-0.889 ± 0.575 χ^2/NDF : 25.5/17

1.023 ± 0.595 χ^2/NDF : 32.5/17

asym_cav4bQ_rms vs slug



Right In: 2.629 $\pm$ 0.001 χ^2 /NDF: 111982.4/9

Left Out: 1.356 $\pm$ 0.000 χ^2 /NDF: 816317.2/7

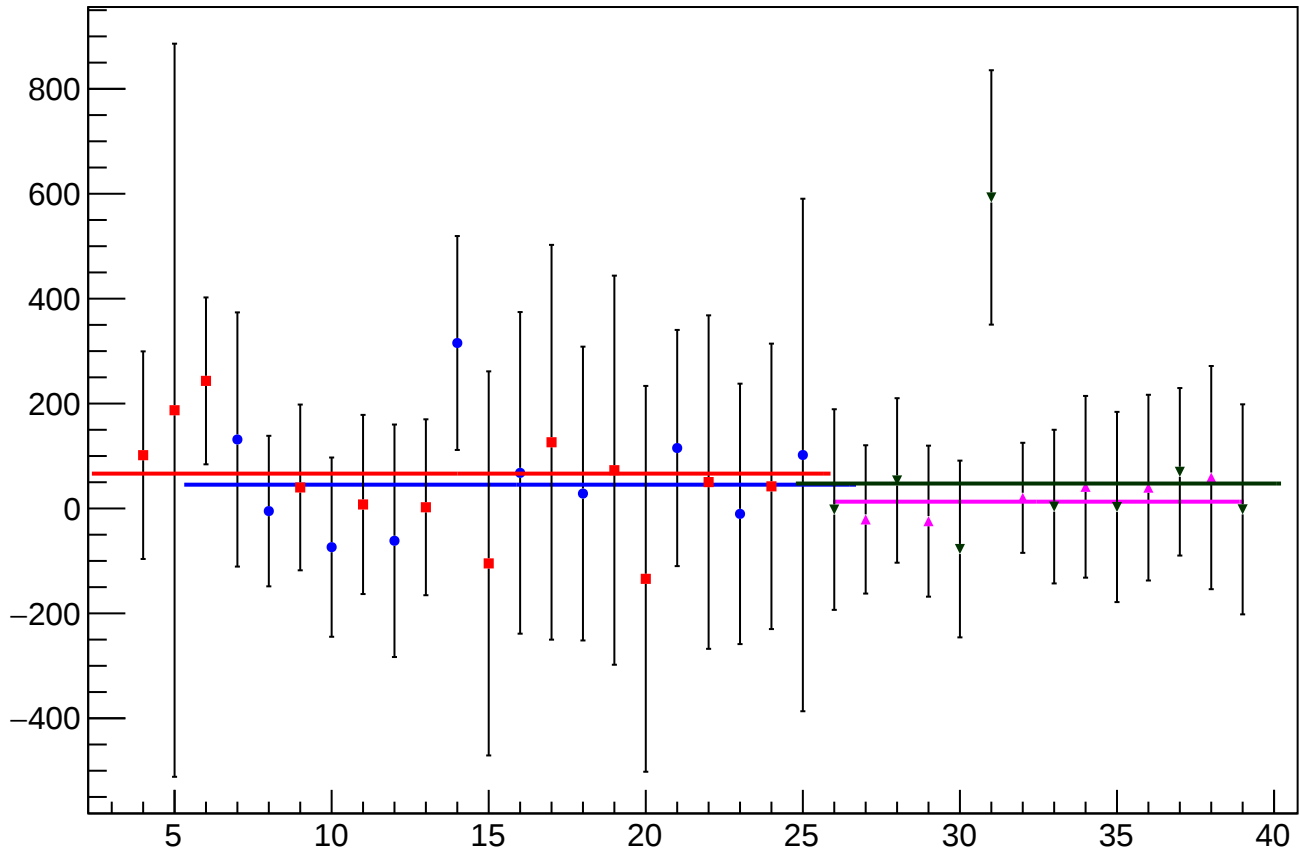
Right Out: 2.512 $\pm$ 0.001 χ^2 /NDF: 173540.5/11

Left In: 1.410 $\pm$ 0.001 χ^2 /NDF: 998110.4/5

1.747 $\pm$ 0.000 χ^2 /NDF: 3011693.4/17

1.802 $\pm$ 0.000 χ^2 /NDF: 2739321.1/17

asym_cav4cQ_mean vs slug



Right In: 45.350 ± 69.374 χ^2/NDF : 2.9/9

46.569 ± 46.166 χ^2/NDF : 8.8/17

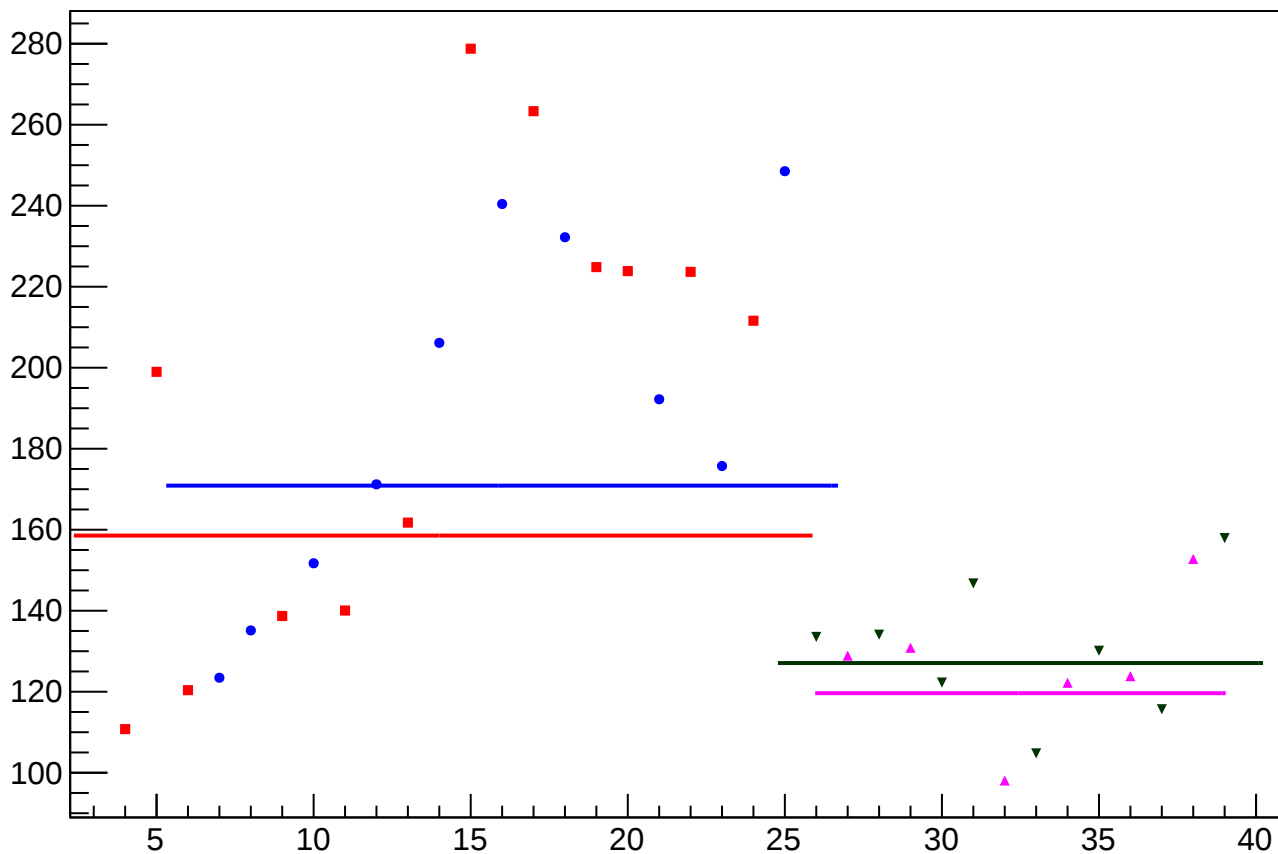
Left Out: 47.538 ± 61.849 χ^2/NDF : 5.9/7

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

37.211 ± 44.455 χ^2/NDF : 2.7/17

Left In: 12.933 ± 60.145 χ^2/NDF : 0.2/5

asym_cav4cQ_rms vs slug



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

Left Out: 127.084+/-0.044 χ^2/NDF :125654.6/7

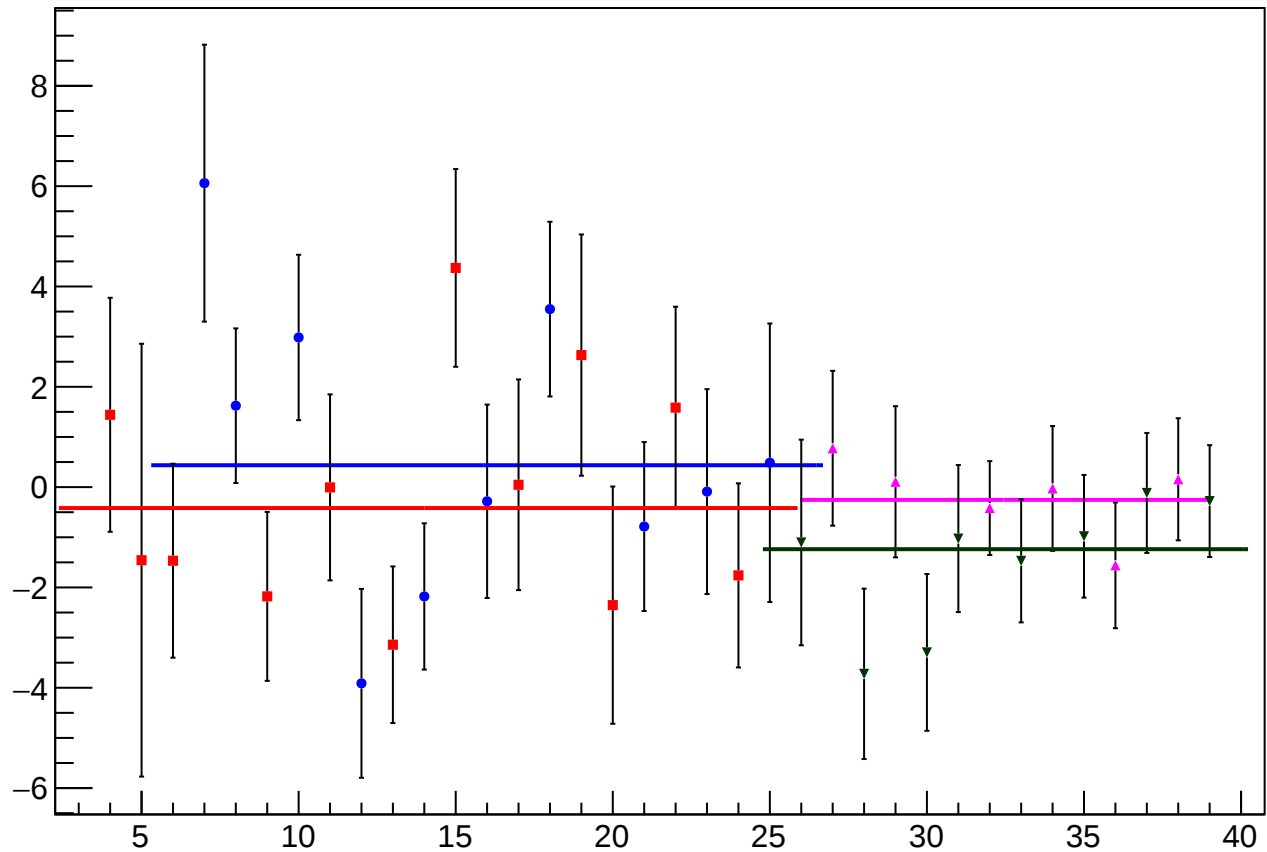
146.481+/-0.033 χ^2/NDF : 1123613.1/17

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

137.296+/-0.031 χ^2/NDF : 1486941.2/17

Left In: 119.639+/-0.043 χ^2/NDF :155349.0/5

asym_cav4dQ_mean vs slug



Right In: 0.437 $\pm$ 0.578 χ^2 /NDF: 19.6/9

Left Out: -1.237 $\pm$ 0.482 χ^2 /NDF: 5.6/7

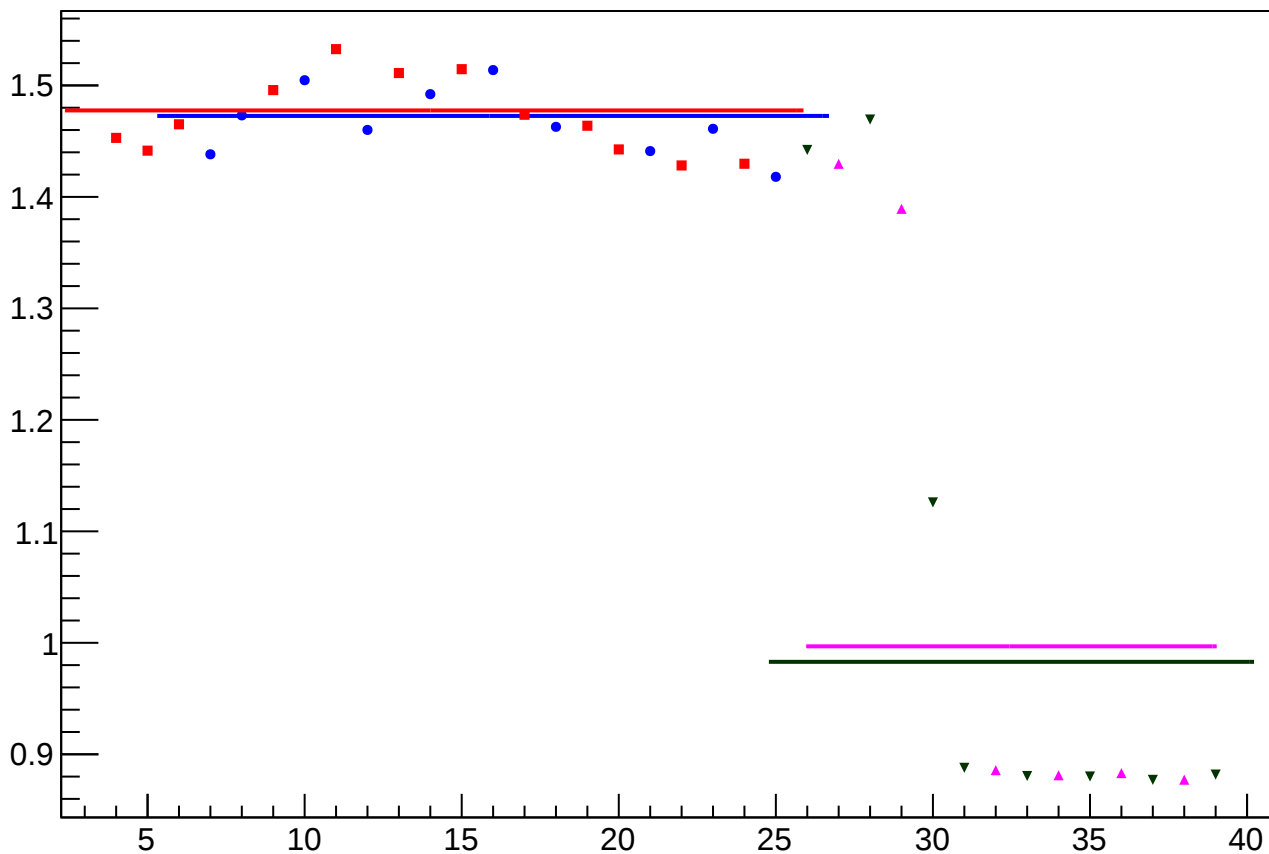
Right Out: -0.417 $\pm$ 0.583 χ^2 /NDF: 14.9/11

Left In: -0.254 $\pm$ 0.503 χ^2 /NDF: 1.8/5

-0.550 $\pm$ 0.370 χ^2 /NDF: 30.1/17

-0.324 $\pm$ 0.381 χ^2 /NDF: 16.7/17

asym_cav4dQ_rms vs slug



Right In: 1.473+/-0.000 χ^2/NDF : 4027.5/9

Left Out: 0.983+/-0.000 χ^2/NDF : 349843.2/7

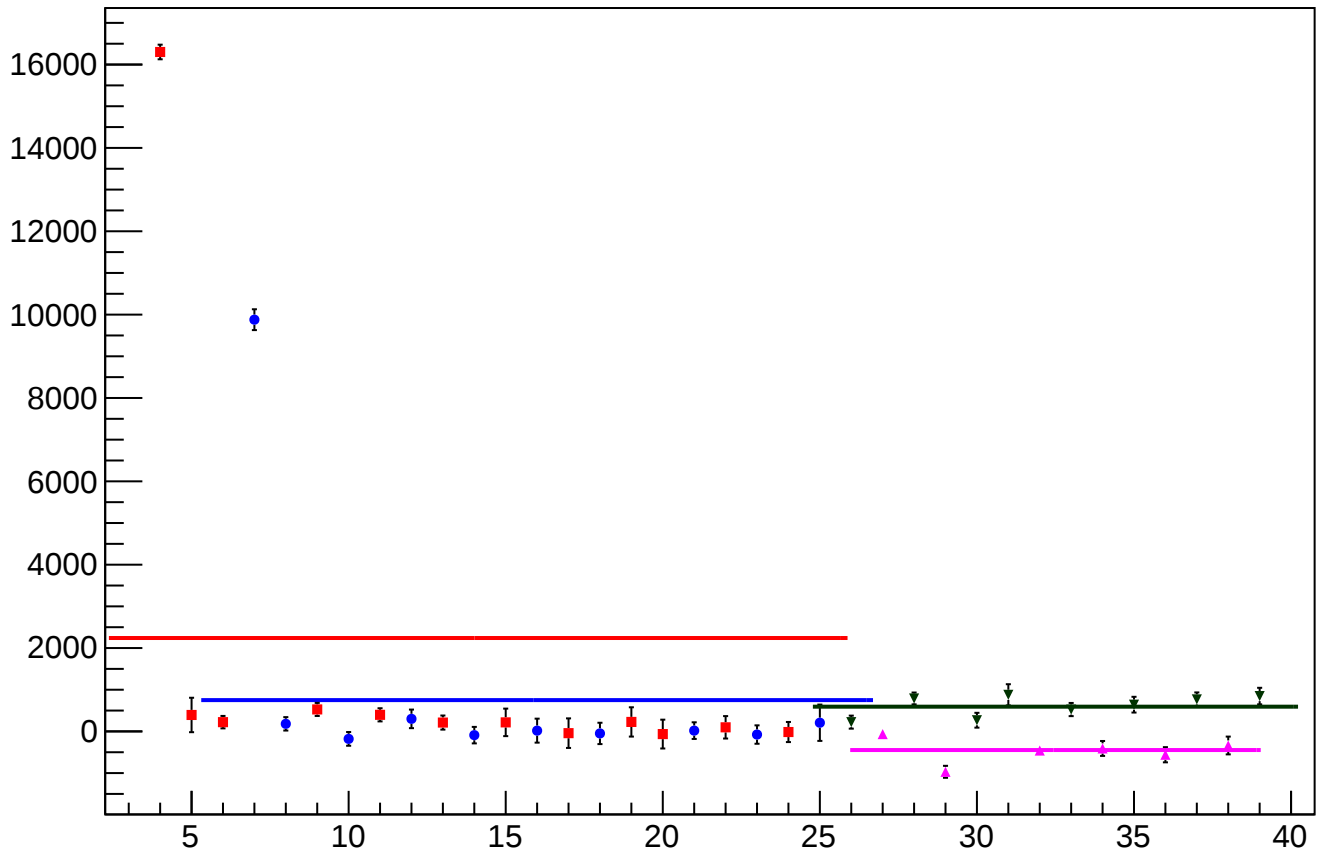
Right Out: 1.478+/-0.000 χ^2/NDF : 7139.1/11

Left In: 0.997+/-0.000 χ^2/NDF : 374247.5/5

1.184+/-0.000 χ^2/NDF : 1199964.0/17

1.202+/-0.000 χ^2/NDF : 1161086.6/17

asym_bcm0l02_mean vs slug



Right In: 750.803+/-68.130 χ^2/NDF : 1445.6/9

Left Out: 593.244+/-61.241 χ^2/NDF : 15.1/7

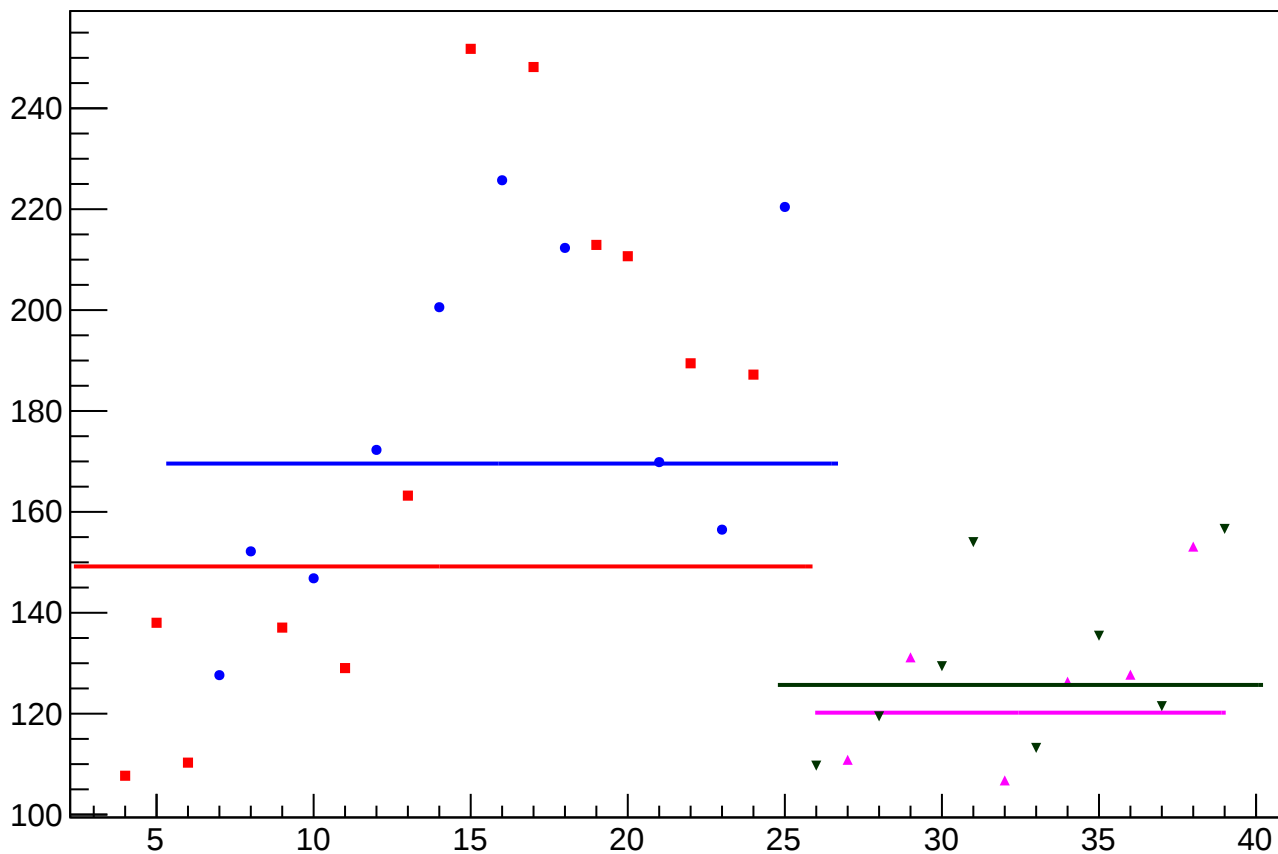
663.658+/-45.545 χ^2/NDF : 1463.7/17

Right Out: 2240.760+/-61.598 χ^2/NDF : 7330.5/11

863.768+/-43.019 χ^2/NDF : 8329.8/17

Left In: -447.286+/-60.105 χ^2/NDF : 23.8/5

asym_bcm0l02_rms vs slug



Right In: 169.579+/-0.048 χ^2/NDF : 333569.7/9

Left Out: 125.697+/-0.043 χ^2/NDF :118003.9/7

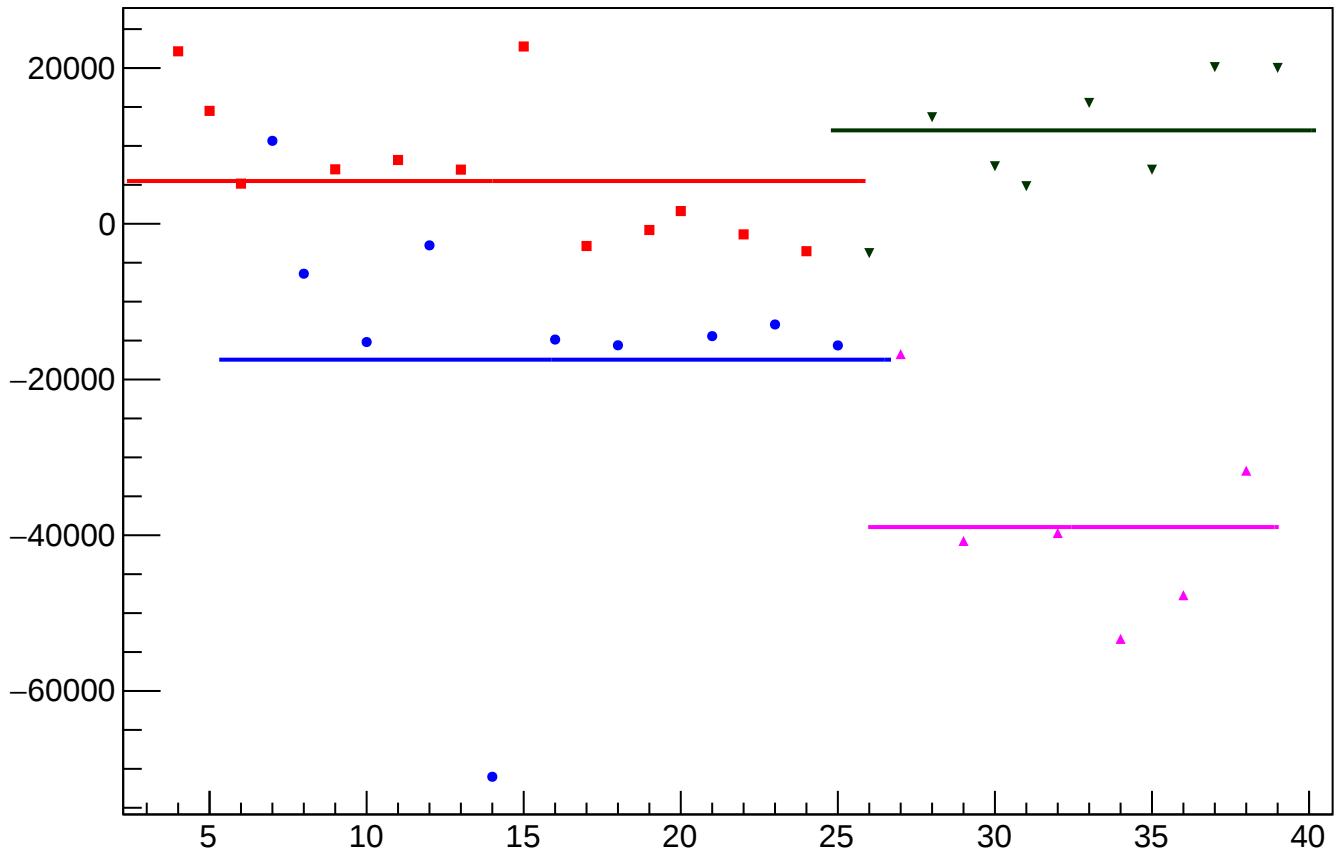
Right Out: 149.184+/-0.044 χ^2/NDF : 879836.6/11

Left In: 120.199+/-0.043 χ^2/NDF :104668.4/5

145.308+/-0.032 χ^2/NDF : 910482.9/17

134.336+/-0.030 χ^2/NDF : 1211348.4/17

asym_bpm2i01WS_mean vs slug



Right In: -17450.855+/-46.763 χ^2/NDF : 203331.0/9

Left Out: 11995.975+/-48.908 χ^2/NDF : 24665.6/7

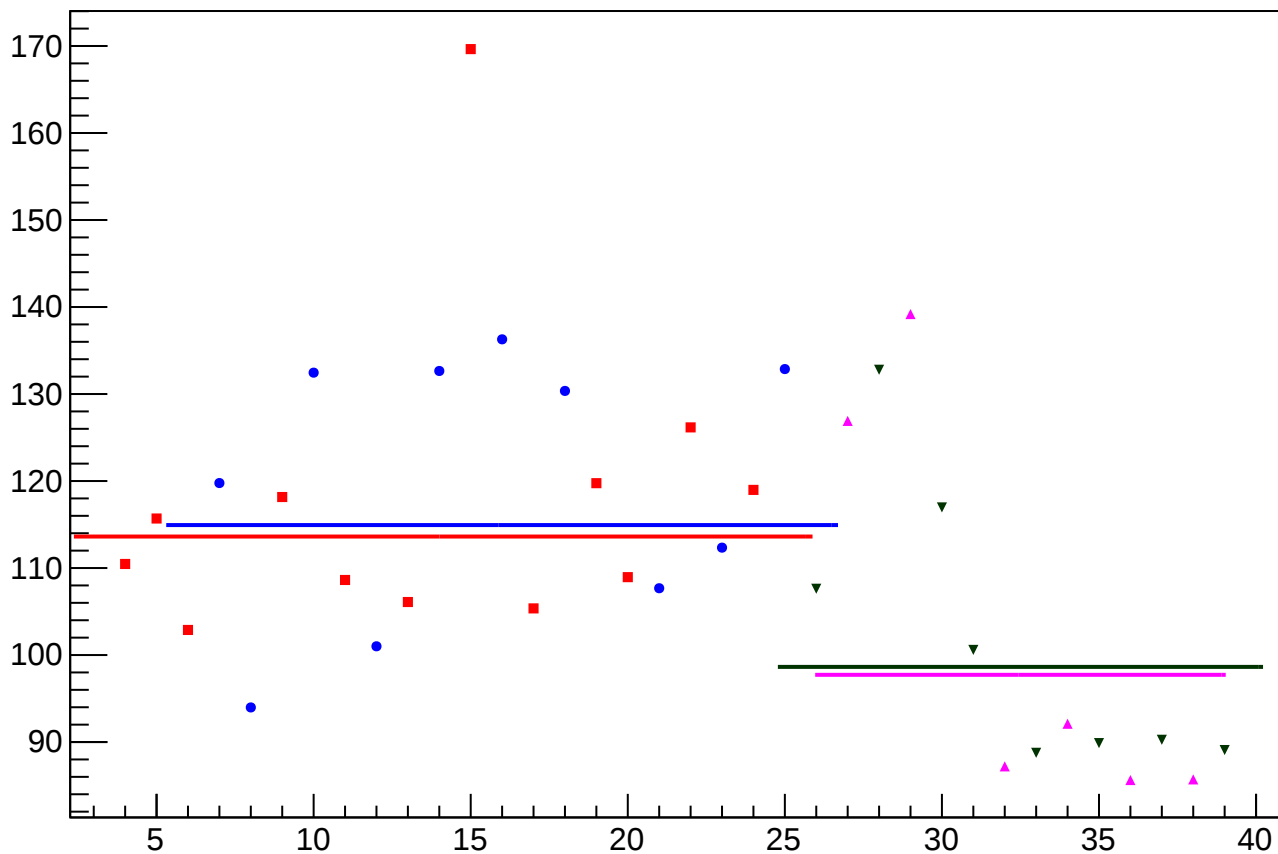
Right Out: 5490.592+/-46.372 χ^2/NDF : 24655.8/11

Left In: -38949.150+/-50.338 χ^2/NDF : 44642.3/5

-3387.147+/-33.799 χ^2/NDF : 417375.4/17

-14910.123+/-34.106 χ^2/NDF : 490897.1/17

asym_bpm2i01WS_rms vs slug



Right In: 114.939+/-0.033 χ^2/NDF : 233540.9/9

Left Out: 98.639+/-0.035 χ^2/NDF :165177.0/7

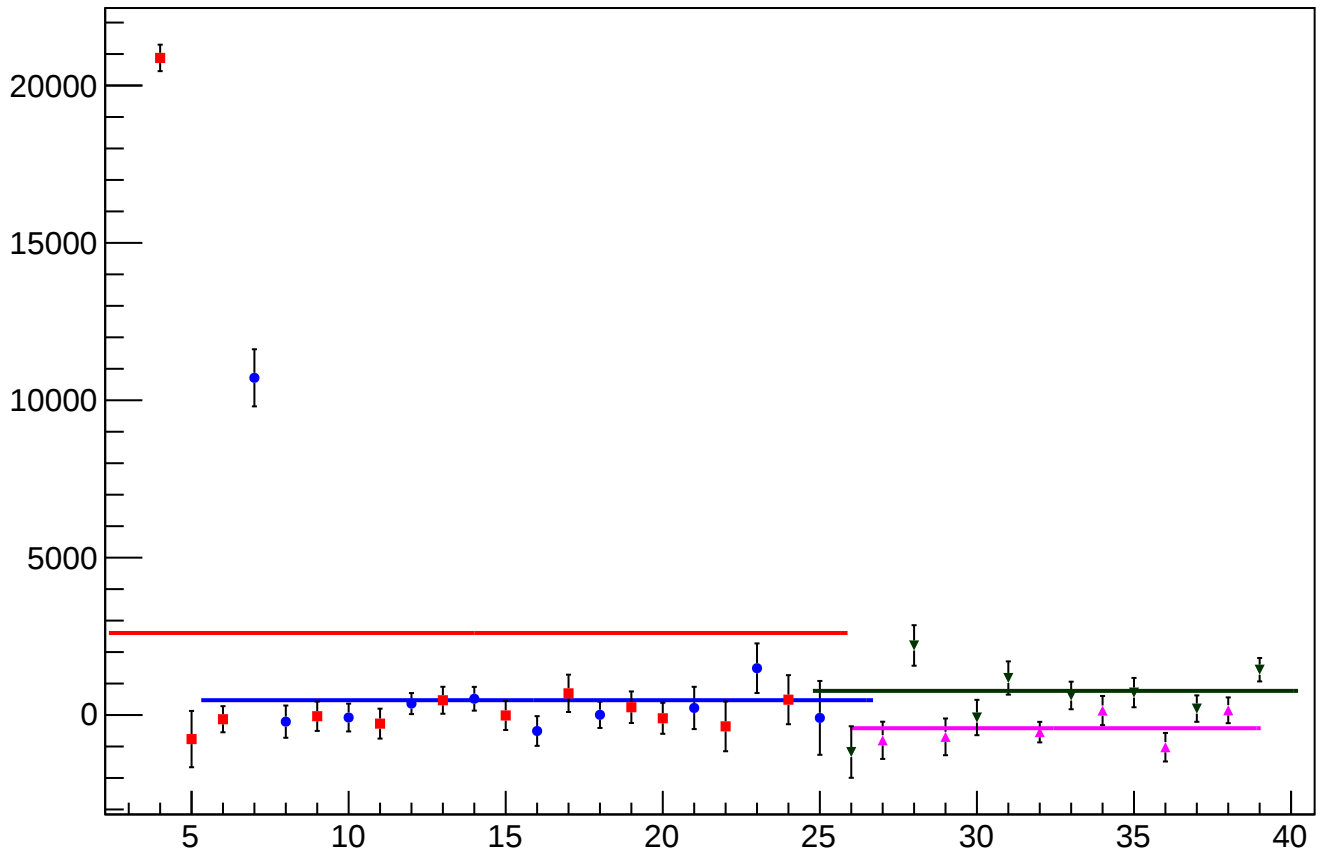
Right Out: 113.621+/-0.033 χ^2/NDF : 162658.1/11

Left In: 97.727+/-0.036 χ^2/NDF :292447.0/5

107.154+/-0.024 χ^2/NDF : 514772.0/17

106.324+/-0.024 χ^2/NDF : 562963.7/17

asym_bpm0i07WS_mean vs slug



Right In: 470.960+/-156.387 χ^2/NDF : 138.4/9

Left Out: 767.382+/-173.129 χ^2/NDF : 18.7/7

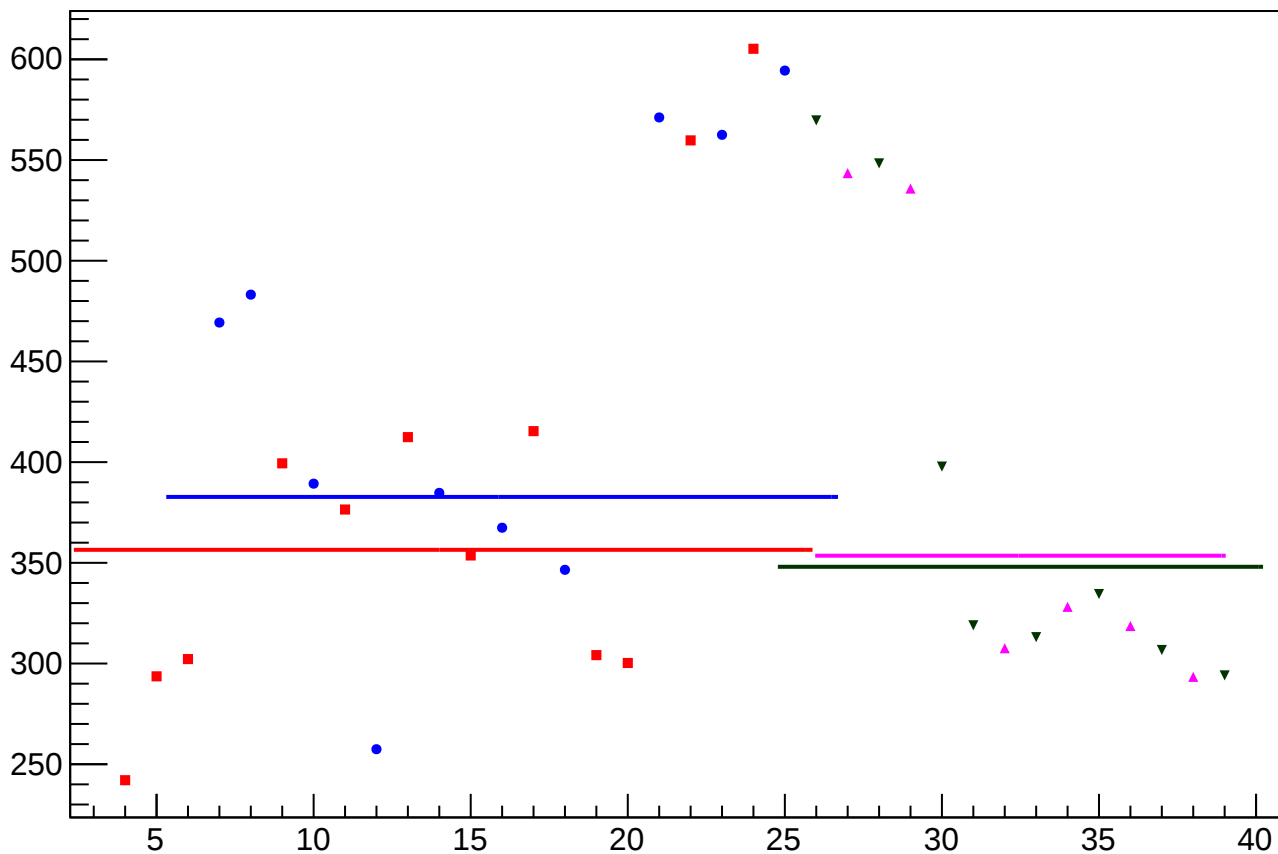
Right Out: 2606.972+/-147.343 χ^2/NDF : 2154.3/11

Left In: -418.816+/-180.576 χ^2/NDF : 6.0/5

604.149+/-116.051 χ^2/NDF : 158.8/17

1397.608+/-114.161 χ^2/NDF : 2328.8/17

asym_bpm0i07WS_rms vs slug



Right In: 382.730 ± 0.111 χ^2/NDF : 720132.6/9

Left Out: 348.035 ± 0.122 χ^2/NDF : 437623.9/7

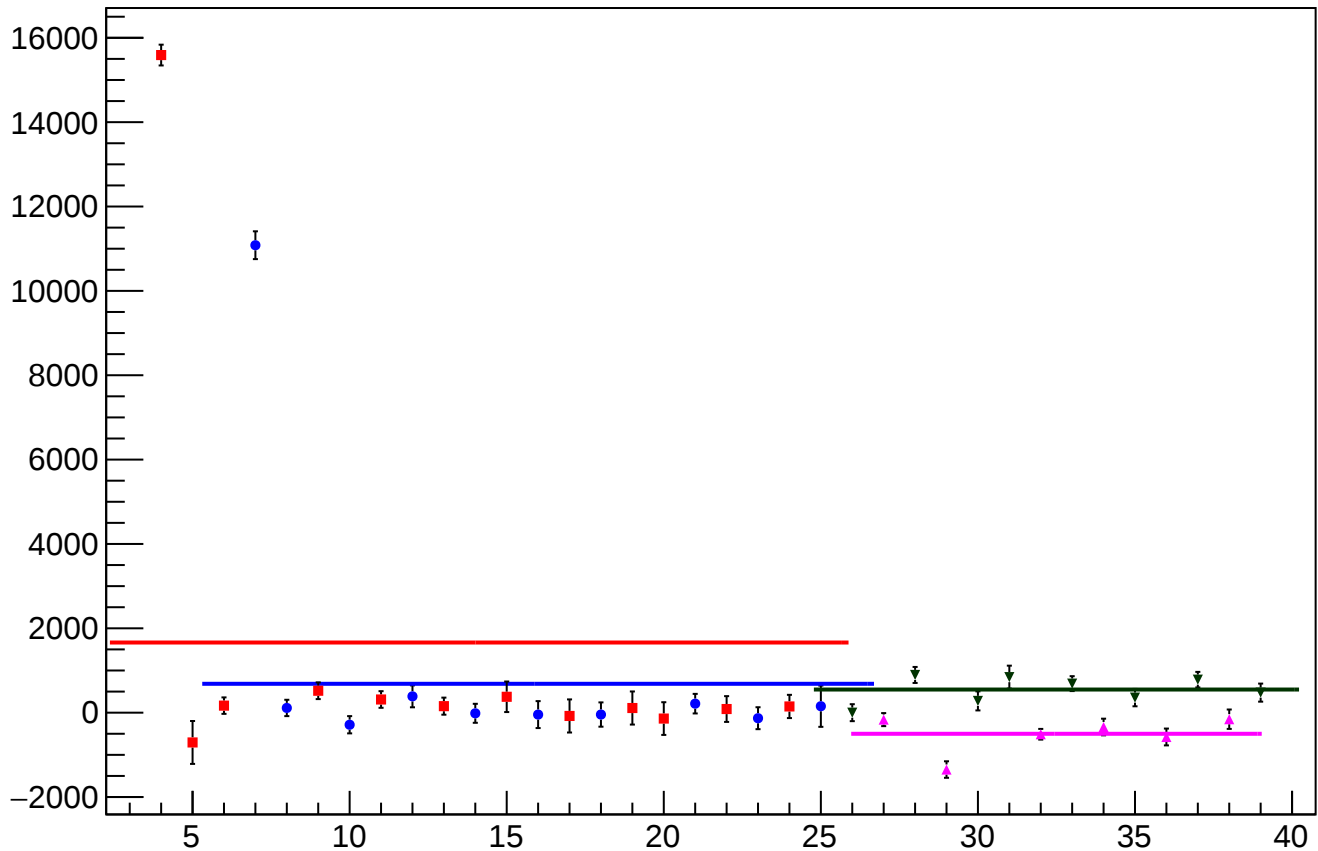
Right Out: 356.465 ± 0.104 χ^2/NDF : 650032.0/11

Left In: 353.541 ± 0.128 χ^2/NDF : 502307.8/5

367.141 ± 0.082 χ^2/NDF : 1201985.1/17

355.296 ± 0.081 χ^2/NDF : 1152654.6/17

asym_bpm0l01WS_mean vs slug



Right In: 684.597 ± 80.654 χ^2/NDF : 1063.9/9

Left Out: 548.669 ± 72.049 χ^2/NDF : 16.6/7

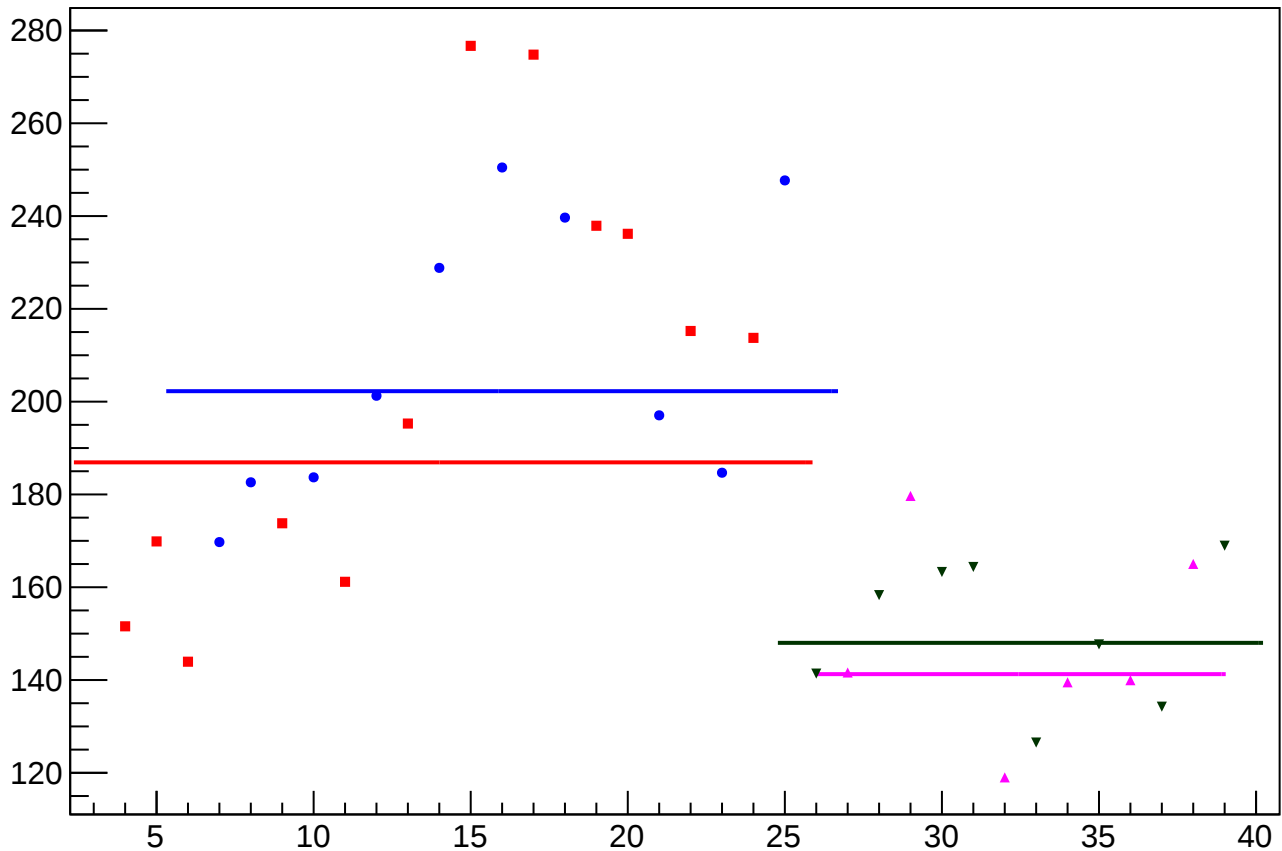
608.998 ± 53.732 χ^2/NDF : 1082.1/17

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

504.835 ± 51.748 χ^2/NDF : 4000.0/17

Left In: -500.600 ± 70.725 χ^2/NDF : 26.5/5

asym_bpm0l01WS_rms vs slug



Right In: 202.258+/-0.057 χ^2/NDF : 191196.0/9

Left Out: 148.013+/-0.051 χ^2/NDF : 84357.1/7

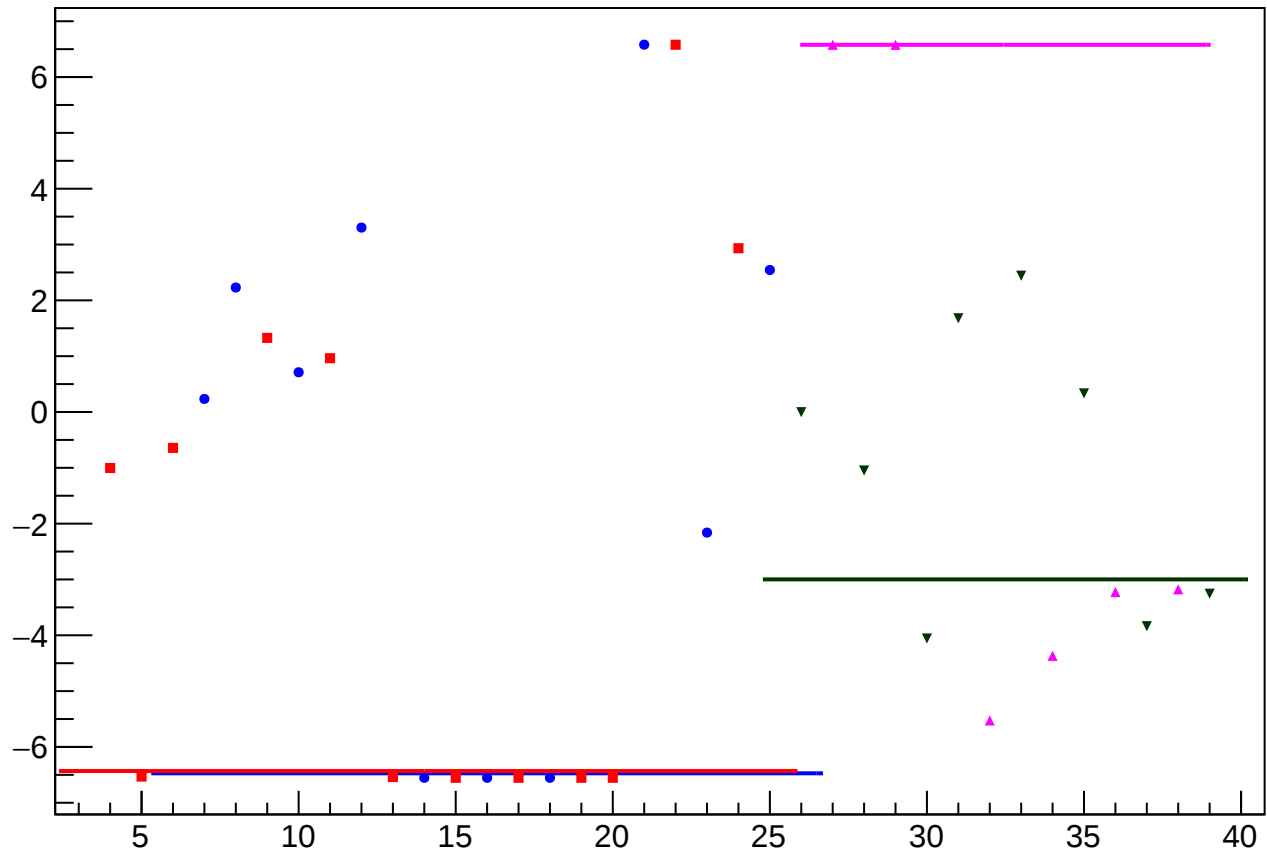
Right Out: 186.914+/-0.054 χ^2/NDF : 512292.6/11

Left In: 141.271+/-0.050 χ^2/NDF : 160346.5/5

172.089+/-0.038 χ^2/NDF : 778694.9/17

162.479+/-0.037 χ^2/NDF : 1059685.4/17

yield_cav4bX_mean vs slug



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

Left Out: -2.999+/-0.001 χ^2/NDF : 3808431.2/7

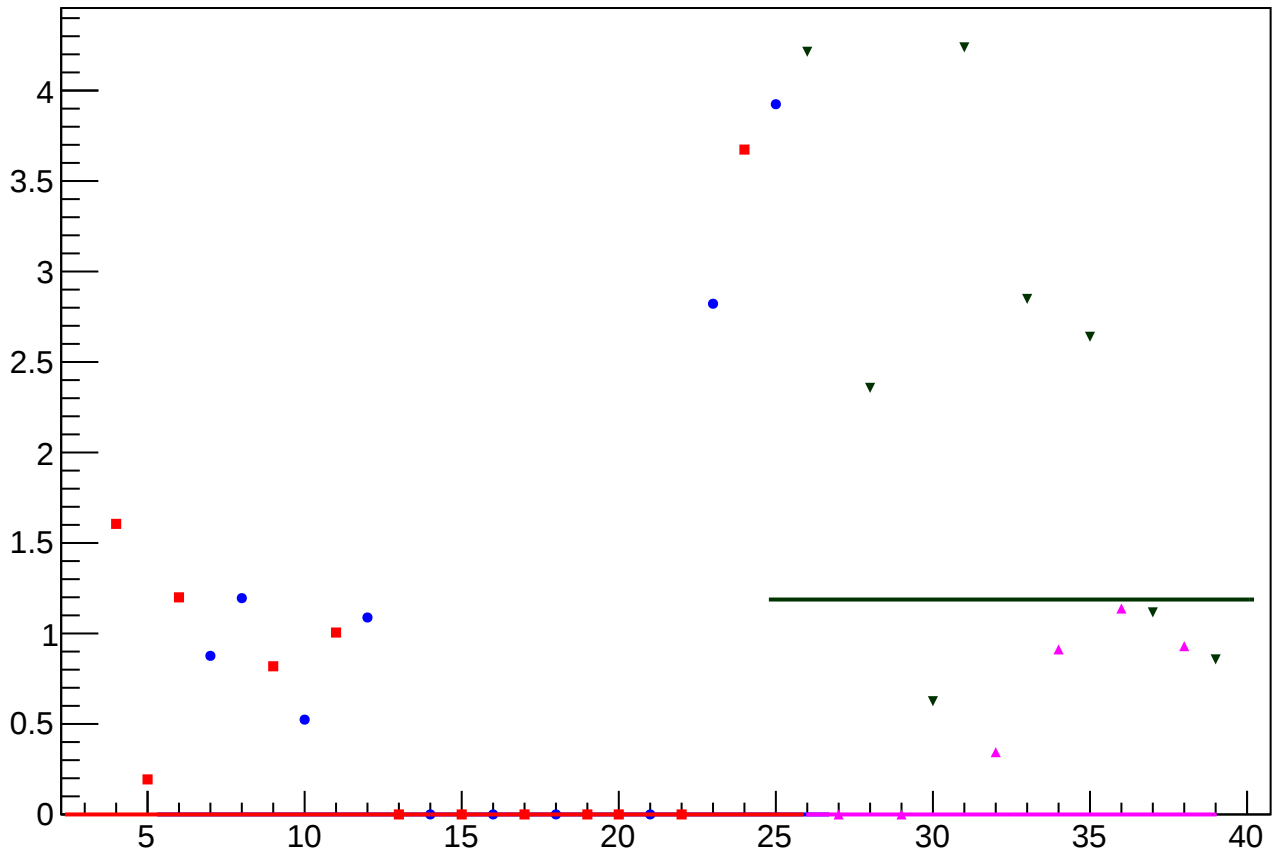
Right Out: -6.432+/-0.000 χ^2/NDF : 150837601506010.5/11

Left In: 6.578+/-0.000 χ^2/NDF : 463311489.5/5

-6.473+/-0.000 χ^2/NDF : 127847948460425.1/1

-6.315+/-0.000 χ^2/NDF : 297092093618499.3/1

yield_cav4bX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 4264427.3/9

Left Out: 1.188+/-0.001 χ^2/NDF : 2027387.3/7

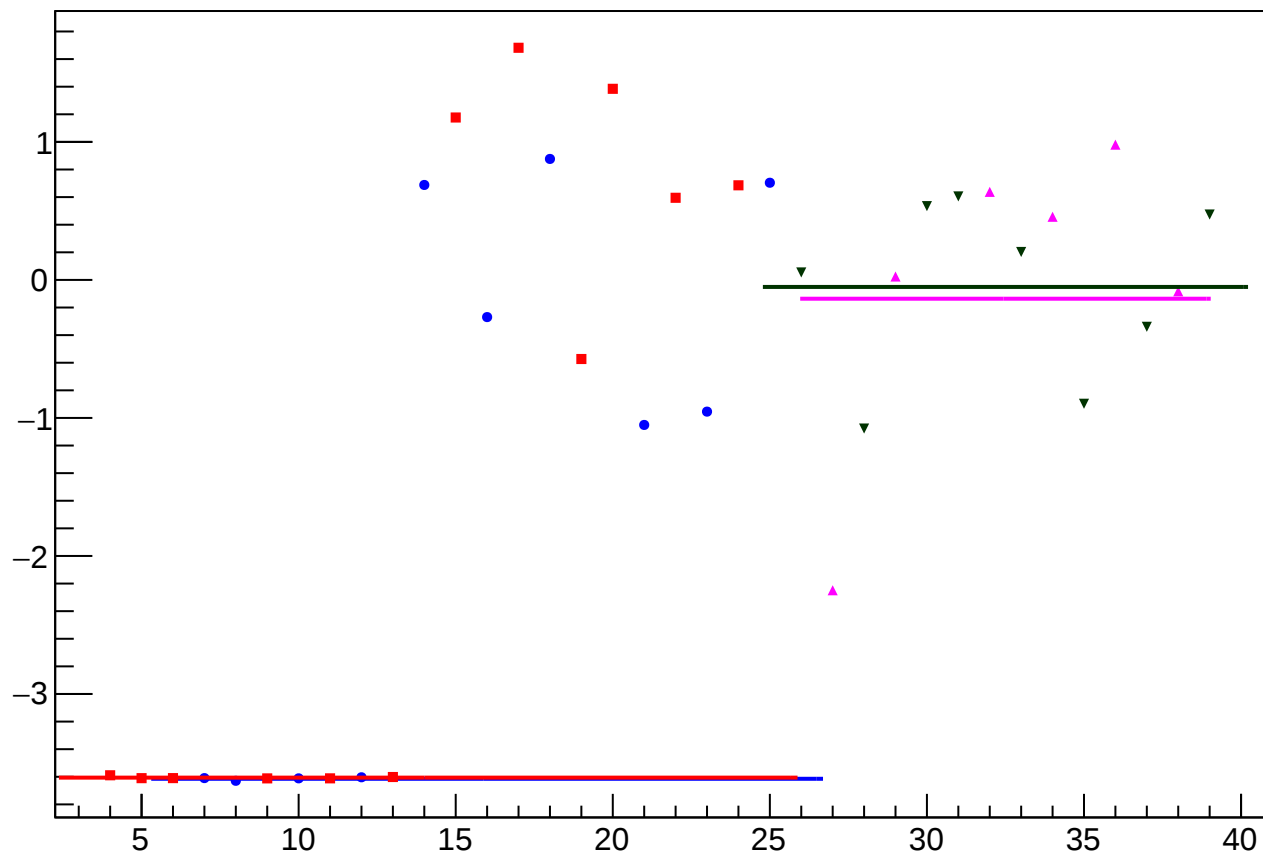
Right Out: 0.000+/-0.000 χ^2/NDF : 4072994.8/11

Left In: 0.000+/-0.000 χ^2/NDF : 2189189.7/5

0.000+/-0.000 χ^2/NDF : 10280111.2/17

0.000+/-0.000 χ^2/NDF : 6262241.3/17

yield_cav4bY_mean vs slug



Right In: -3.614+/-0.000 χ^2/NDF : 49061627309.8/9

Left Out: -0.051+/-0.000 χ^2/NDF : 2183250.4/7

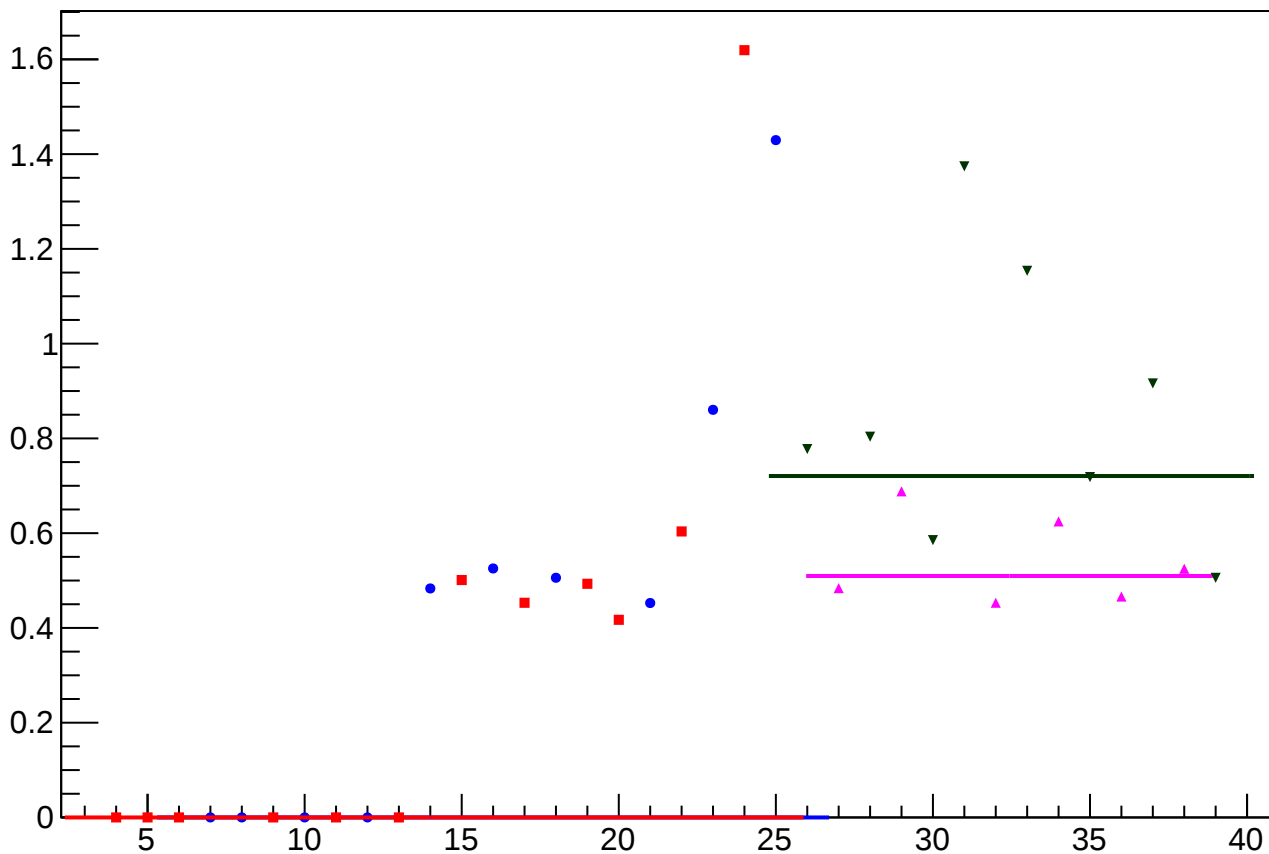
Right Out: -3.606+/-0.000 χ^2/NDF : 37750030407.7/11

Left In: -0.136+/-0.000 χ^2/NDF : 14719793.7/5

-3.614+/-0.000 χ^2/NDF : 49133669452.0/17

-3.606+/-0.000 χ^2/NDF : 37888807738.1/17

yield_cav4bY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 5803105.9/9

Left Out: 0.721+/-0.000 χ^2/NDF : 464008.3/7

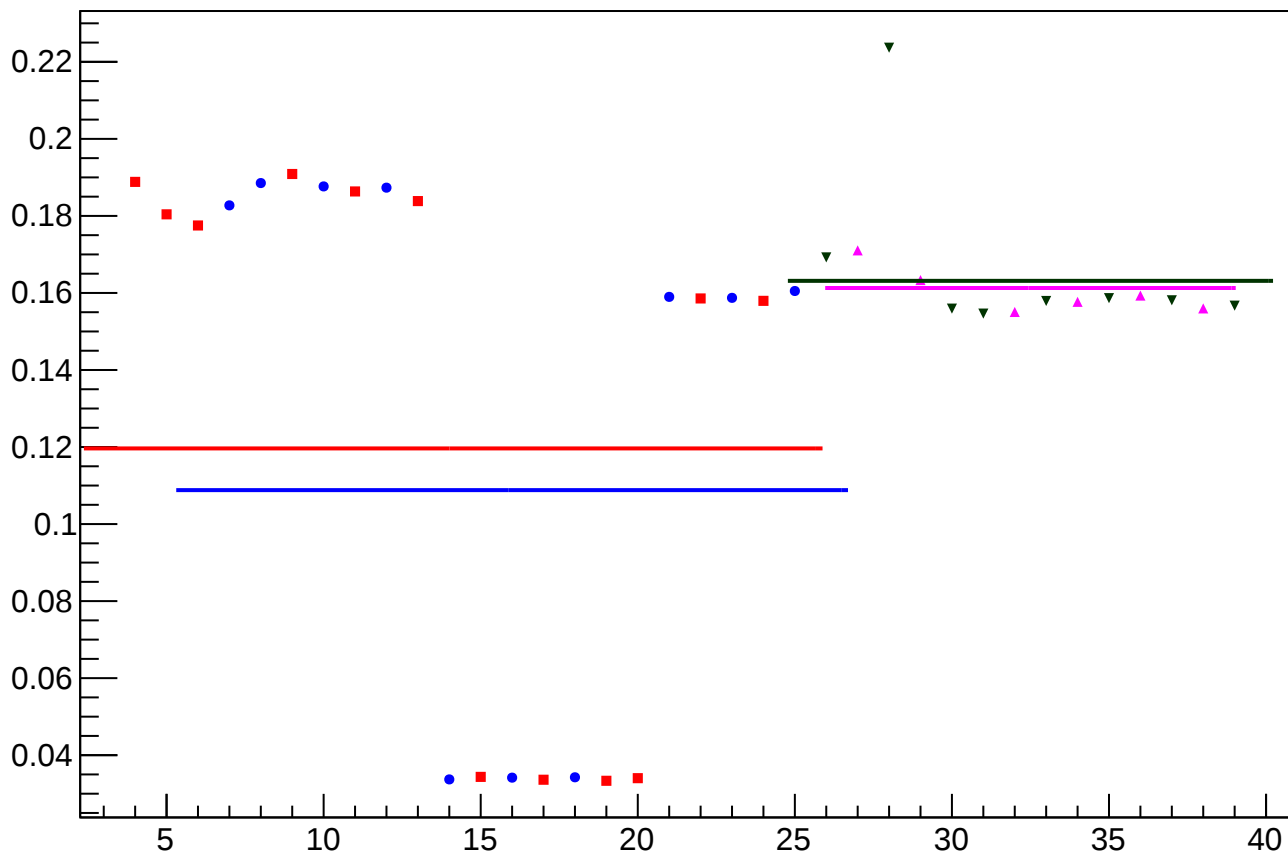
Right Out: 0.000+/-0.000 χ^2/NDF : 4205917.4/11

Left In: 0.510+/-0.000 χ^2/NDF : 120288.5/5

0.000+/-0.000 χ^2/NDF : 11978863.0/17

0.000+/-0.000 χ^2/NDF : 9677555.3/17

yield_cav4cX_mean vs slug



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

Left Out: 0.163+/-0.000 χ^2/NDF : 100752272.4/7

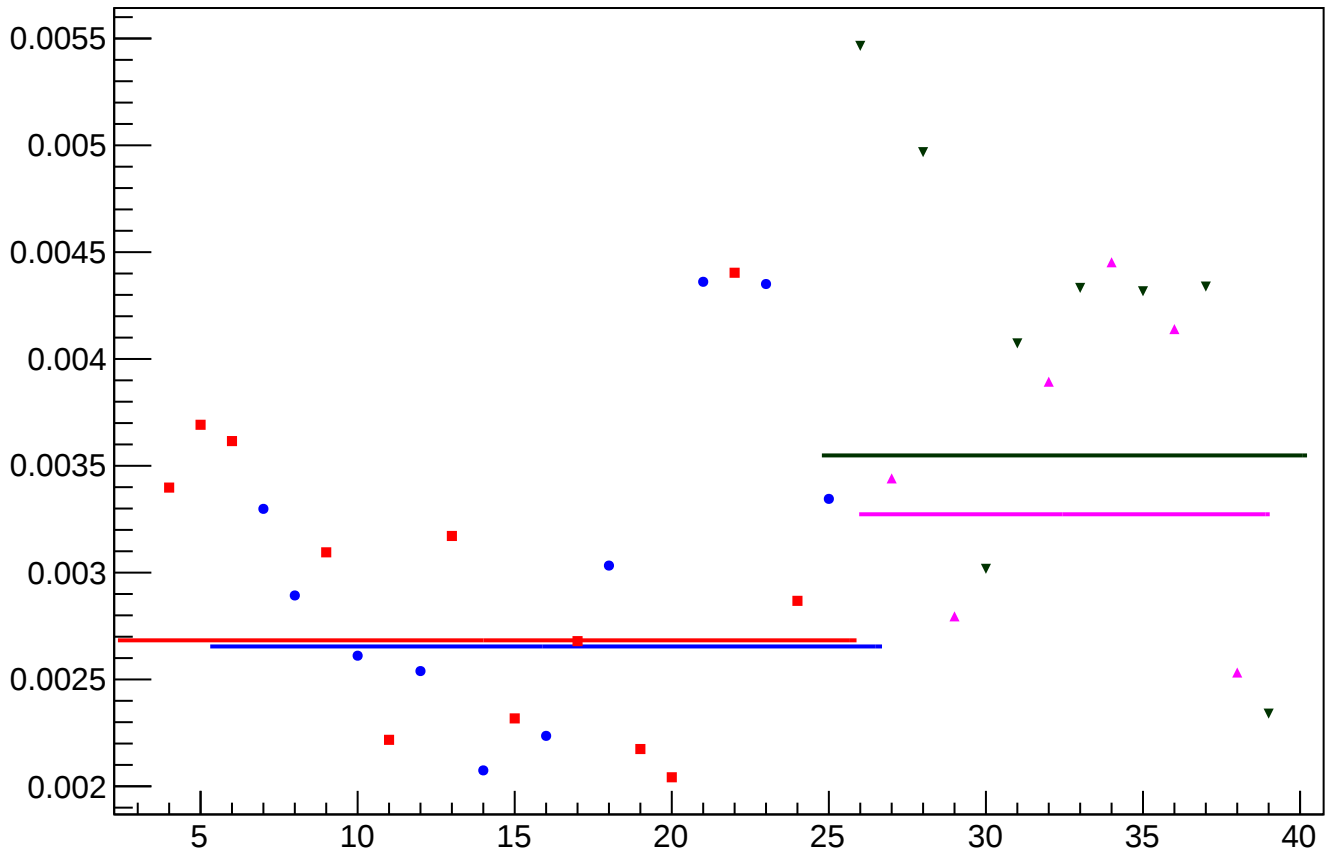
0.123+/-0.000 χ^2/NDF : 5304931871.4/17

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

0.132+/-0.000 χ^2/NDF : 4628775505.8/17

Left In: 0.161+/-0.000 χ^2/NDF : 11225071.2/5

yield_cav4cX_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 639601.2/9

Left Out: 0.004+/-0.000 χ^2/NDF : 629204.7/7

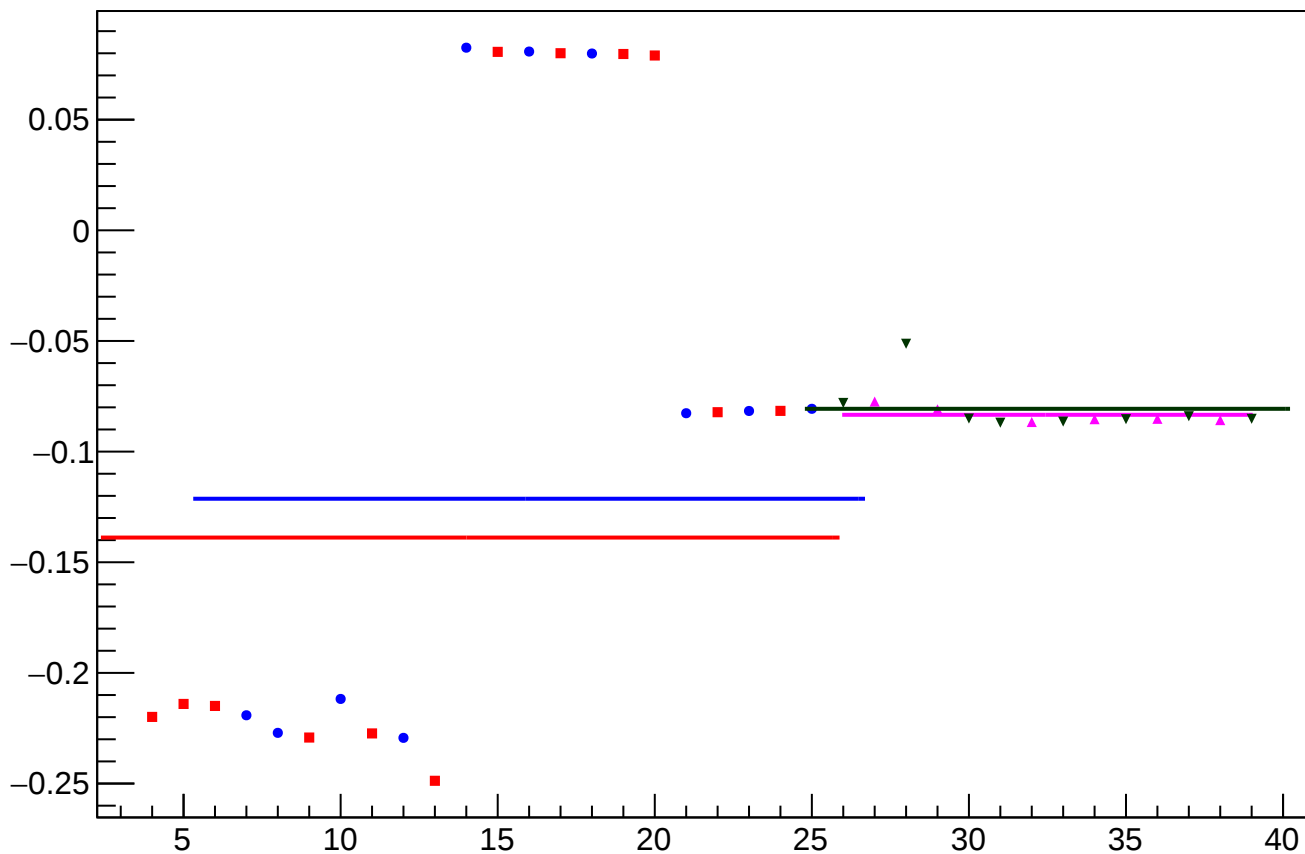
Right Out: 0.003+/-0.000 χ^2/NDF : 526292.2/11

Left In: 0.003+/-0.000 χ^2/NDF : 277283.0/5

0.003+/-0.000 χ^2/NDF : 1613758.4/17

0.003+/-0.000 χ^2/NDF : 969707.4/17

yield_cav4cY_mean vs slug



Right In: -0.121+/-0.000 χ^2/NDF : 9521473366.6/9

Left Out: -0.081+/-0.000 χ^2/NDF : 34695328.6/7

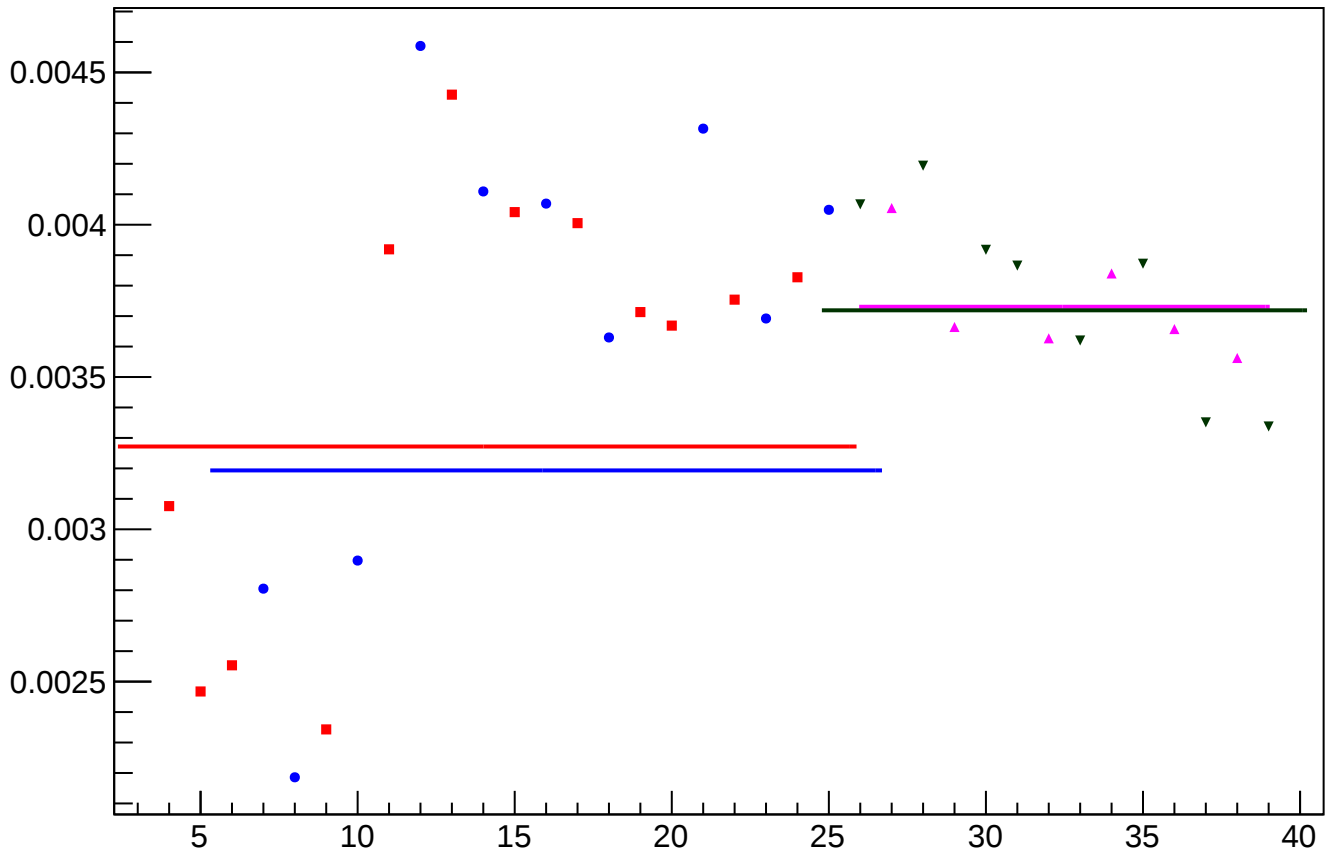
Right Out: -0.139+/-0.000 χ^2/NDF : 8617094052.4/11

Left In: -0.083+/-0.000 χ^2/NDF : 3348529.5/5

-0.107+/-0.000 χ^2/NDF : 9874084583.4/17

-0.120+/-0.000 χ^2/NDF : 9191371906.2/17

yield_cav4cY_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 816109.2/9

Left Out: 0.004+/-0.000 χ^2/NDF :56482.5/7

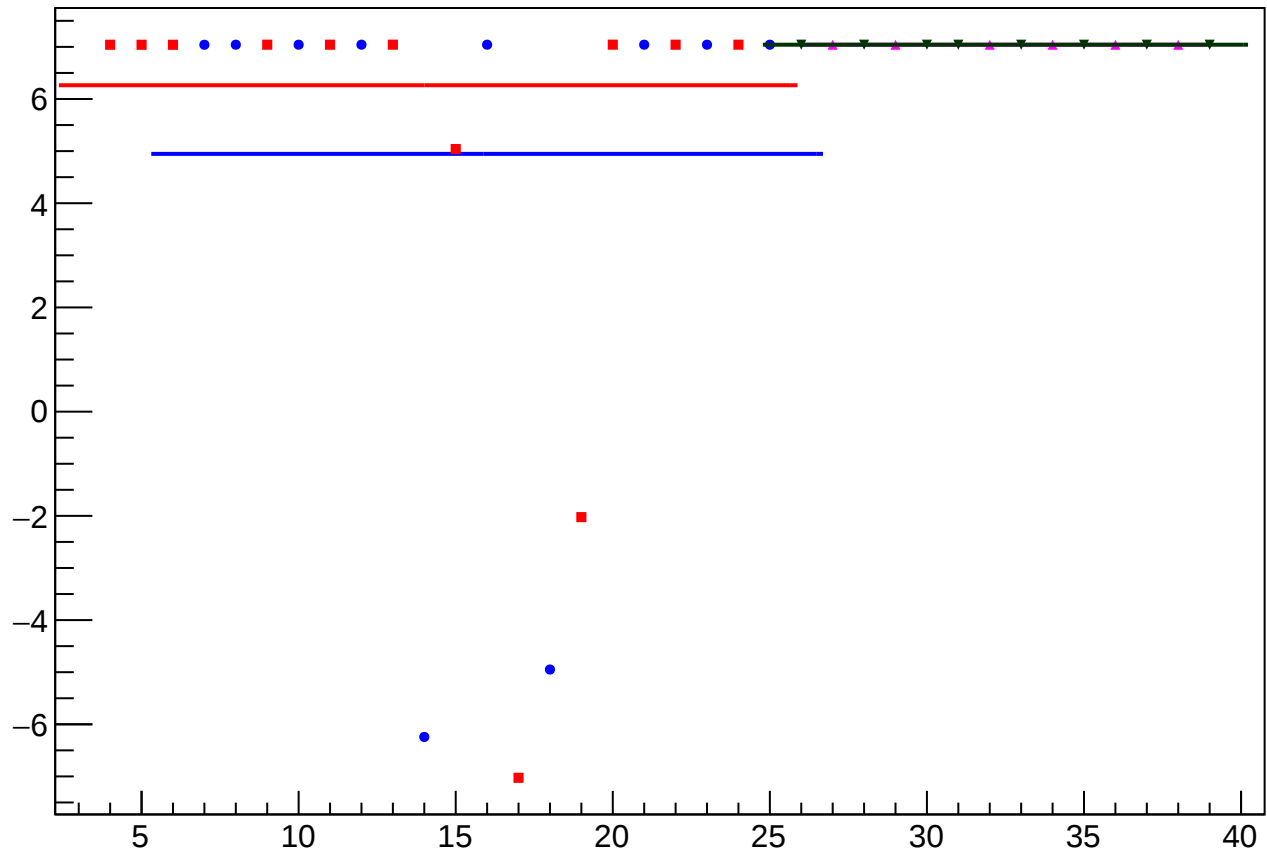
0.003+/-0.000 χ^2/NDF : 978956.6/17

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

0.003+/-0.000 χ^2/NDF : 709444.3/17

Left In: 0.004+/-0.000 χ^2/NDF :16025.7/5

yield_cav4dX_mean vs slug



Right In: 4.947+/-0.000 χ^2/NDF : 4224474165211712.0/9

Left Out: 7.042+/-0.000 χ^2/NDF : 725617.4/7

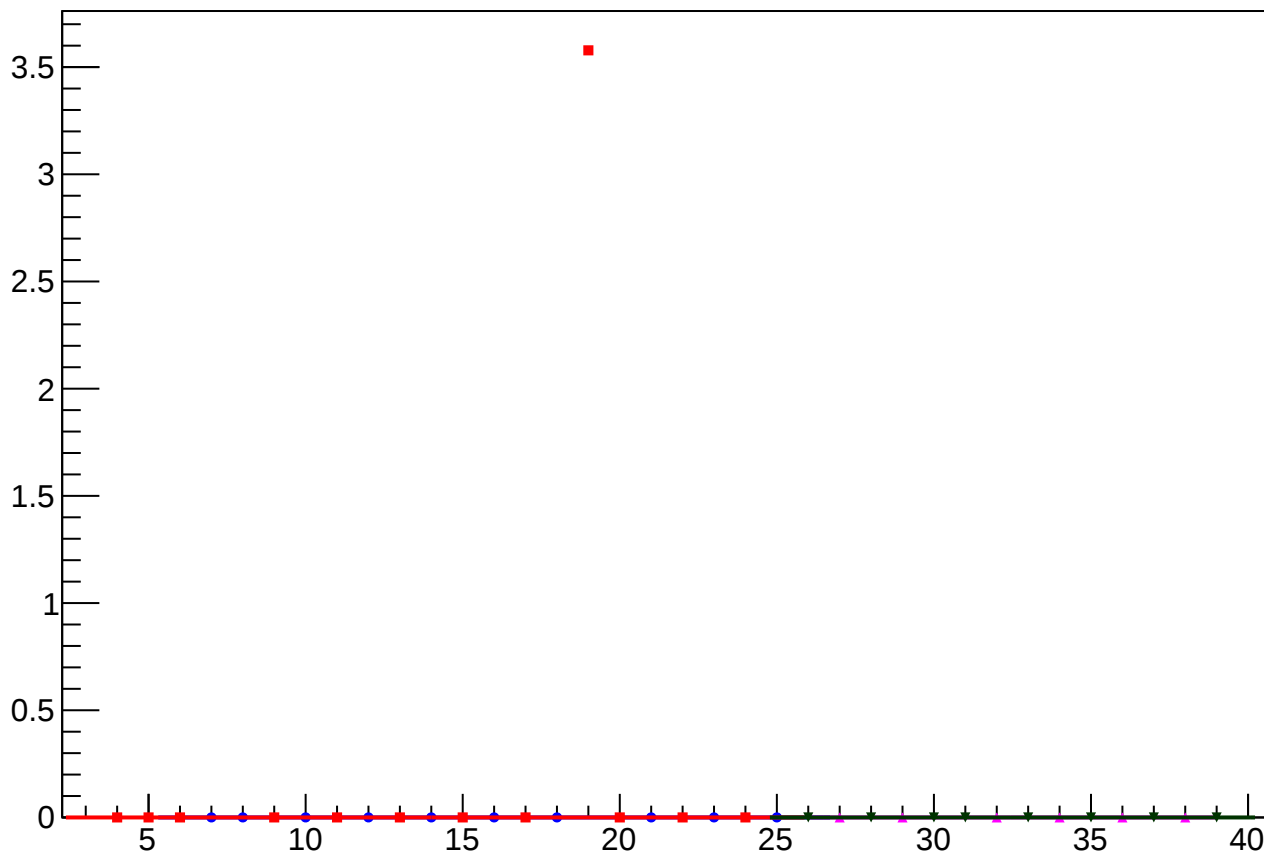
5.925+/-0.000 χ^2/NDF : 4601773106151352.0/1

Right Out: 6.264+/-0.000 χ^2/NDF : 1812076141929126.0/11

6.626+/-0.000 χ^2/NDF : 1862973349559919.0/1

Left In: 7.042+/-0.000 χ^2/NDF : 363981.8/5

yield_cav4dX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 2529.8/9

Left Out: 0.000+/-0.000 χ^2/NDF :1239.4/7

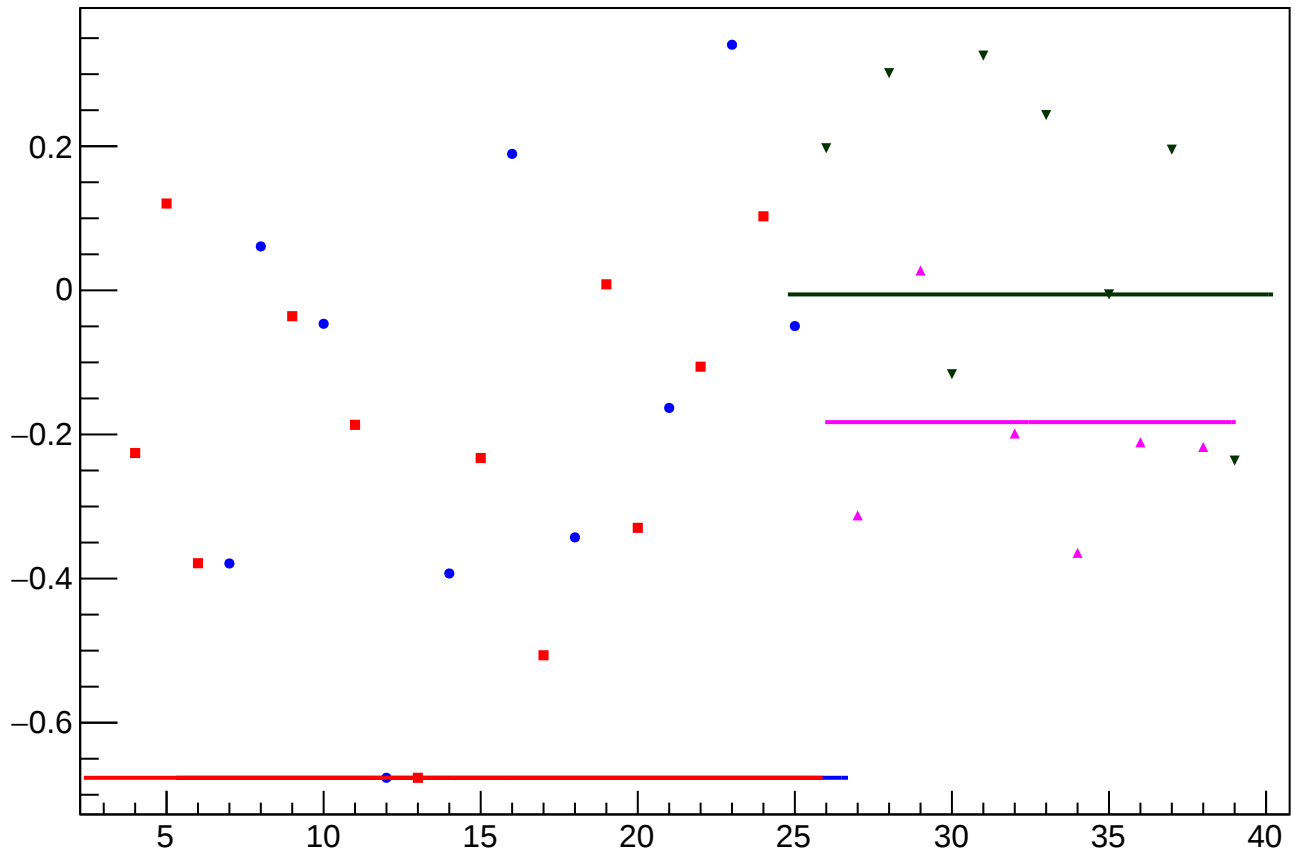
Right Out: 0.000+/-0.000 χ^2/NDF : 696528.7/11

Left In: 0.000+/-0.000 χ^2/NDF :1195.4/5

0.000+/-0.000 χ^2/NDF : 4407.4/17

0.000+/-0.000 χ^2/NDF : 700078.9/17

yield_cav4dY_mean vs slug



Right In: -0.676+/-0.000 χ^2/NDF : 214817629.7/9

Left Out: -0.006+/-0.000 χ^2/NDF :15322279.8/7

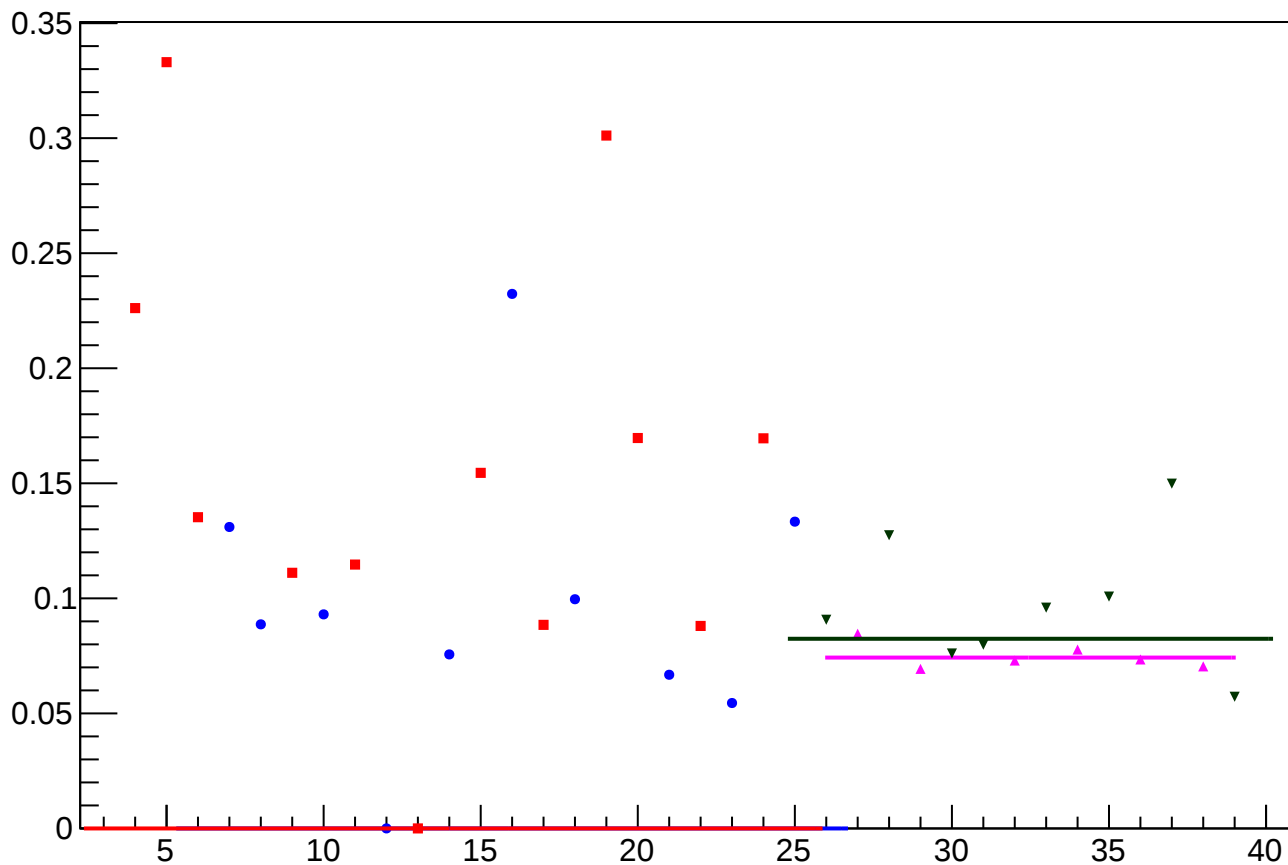
Right Out: -0.676+/-0.000 χ^2/NDF : 65929973.4/11

Left In: -0.183+/-0.000 χ^2/NDF :6969821.2/5

-0.676+/-0.000 χ^2/NDF : 373053505.9/17

-0.676+/-0.000 χ^2/NDF : 174773399.2/17

yield_cav4dY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 8329805.9/9

Left Out: 0.082+/-0.000 χ^2/NDF : 406707.8/7

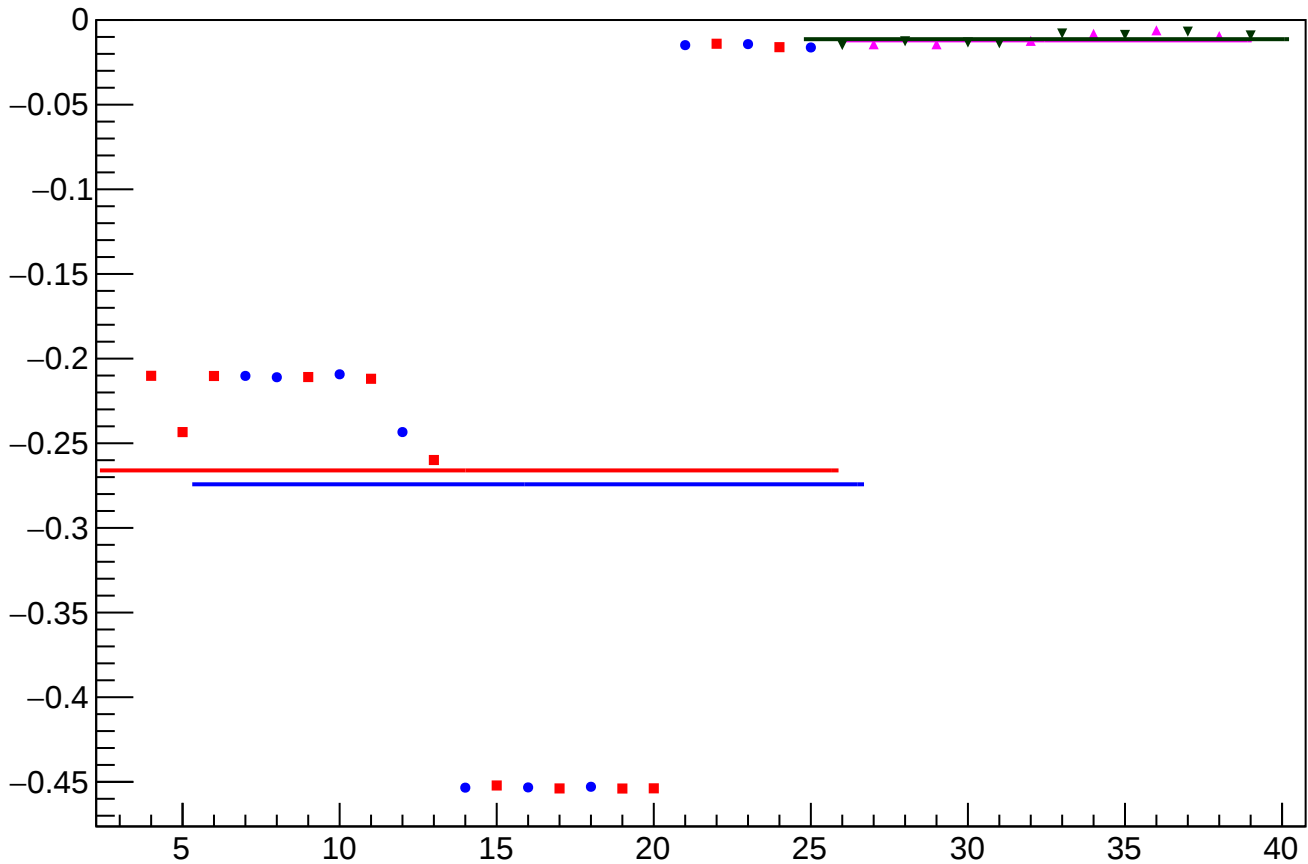
Right Out: 0.000+/-0.000 χ^2/NDF : 8085708.6/11

Left In: 0.074+/-0.000 χ^2/NDF : 24651.5/5

0.000+/-0.000 χ^2/NDF : 13051897.6/17

0.000+/-0.000 χ^2/NDF : 12720146.0/17

yield_bpm4aX_mean vs slug



Right In: -0.274+/-0.000 χ^2/NDF : 3355082930.6/9

Left Out: -0.011+/-0.000 χ^2/NDF : 386746.8/7

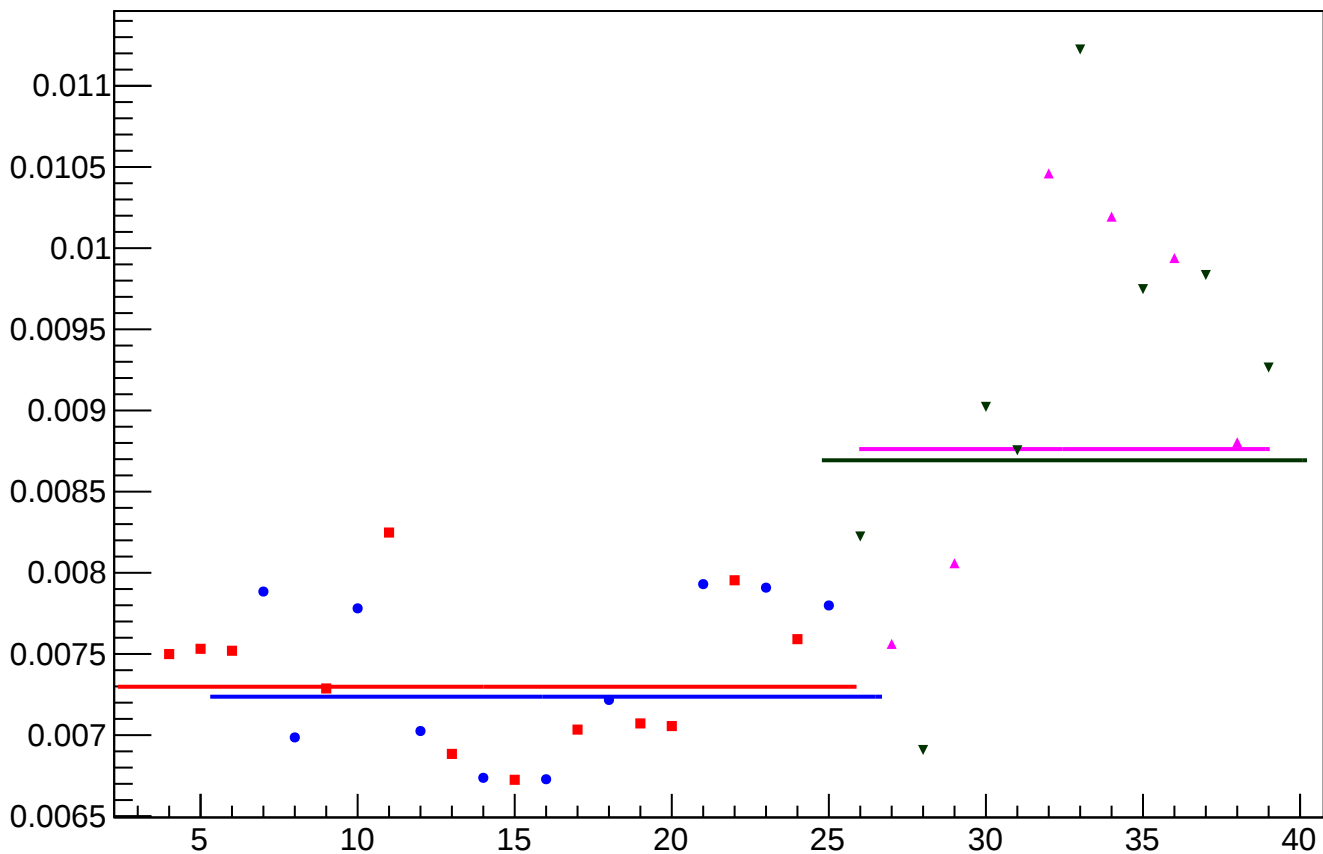
-0.193+/-0.000 χ^2/NDF : 5949256836.8/17

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

-0.190+/-0.000 χ^2/NDF : 4928894728.8/17

Left In: -0.012+/-0.000 χ^2/NDF : 431419.7/5

yield_bpm4aX_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 54029.4/9

Left Out: 0.009+/-0.000 χ^2/NDF :176268.8/7

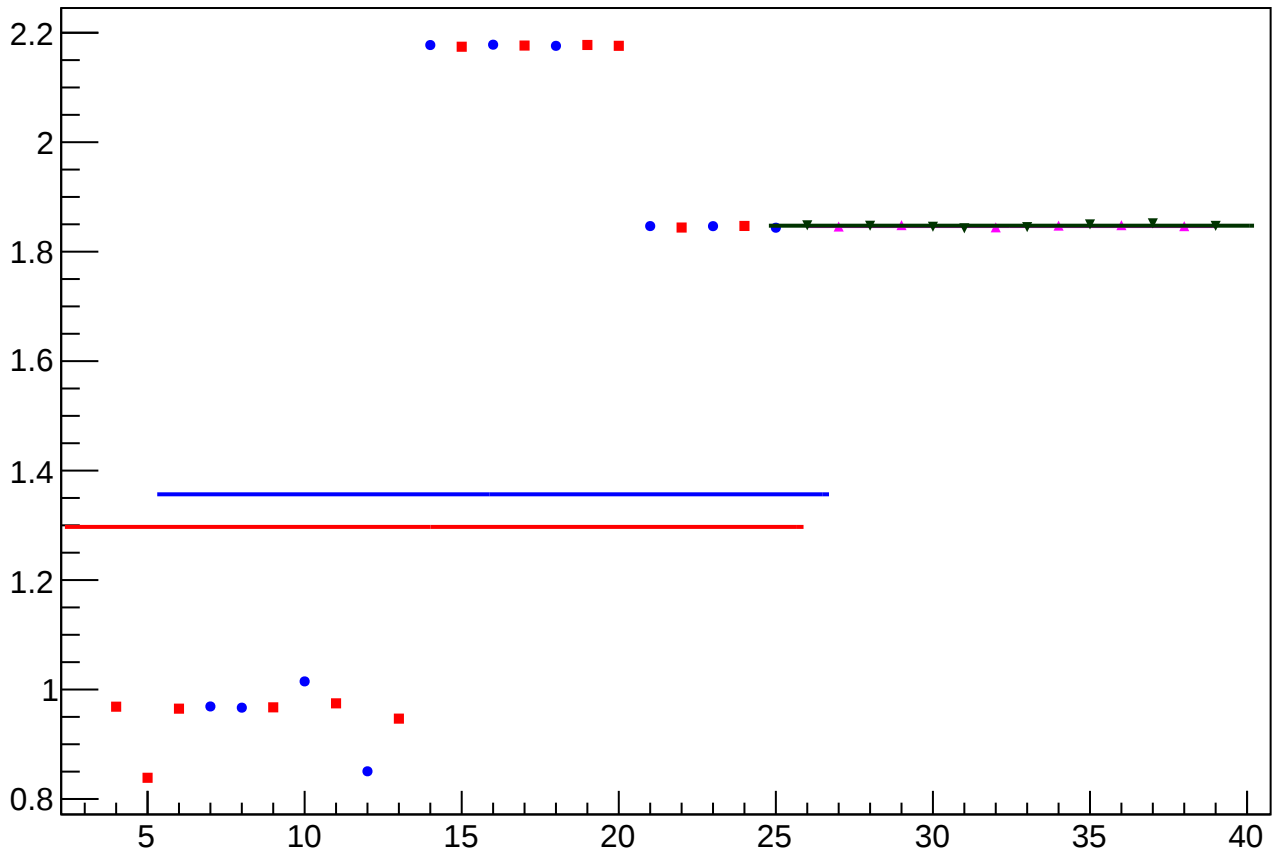
Right Out: 0.007+/-0.000 χ^2/NDF : 46835.5/11

Left In: 0.009+/-0.000 χ^2/NDF :134293.0/5

0.008+/-0.000 χ^2/NDF : 389480.8/17

0.008+/-0.000 χ^2/NDF : 335193.9/17

yield_bpm4aY_mean vs slug



Right In: 1.357+/-0.000 χ^2/NDF : 12373287295.8/9

Left Out: 1.847+/-0.000 χ^2/NDF :129287.1/7

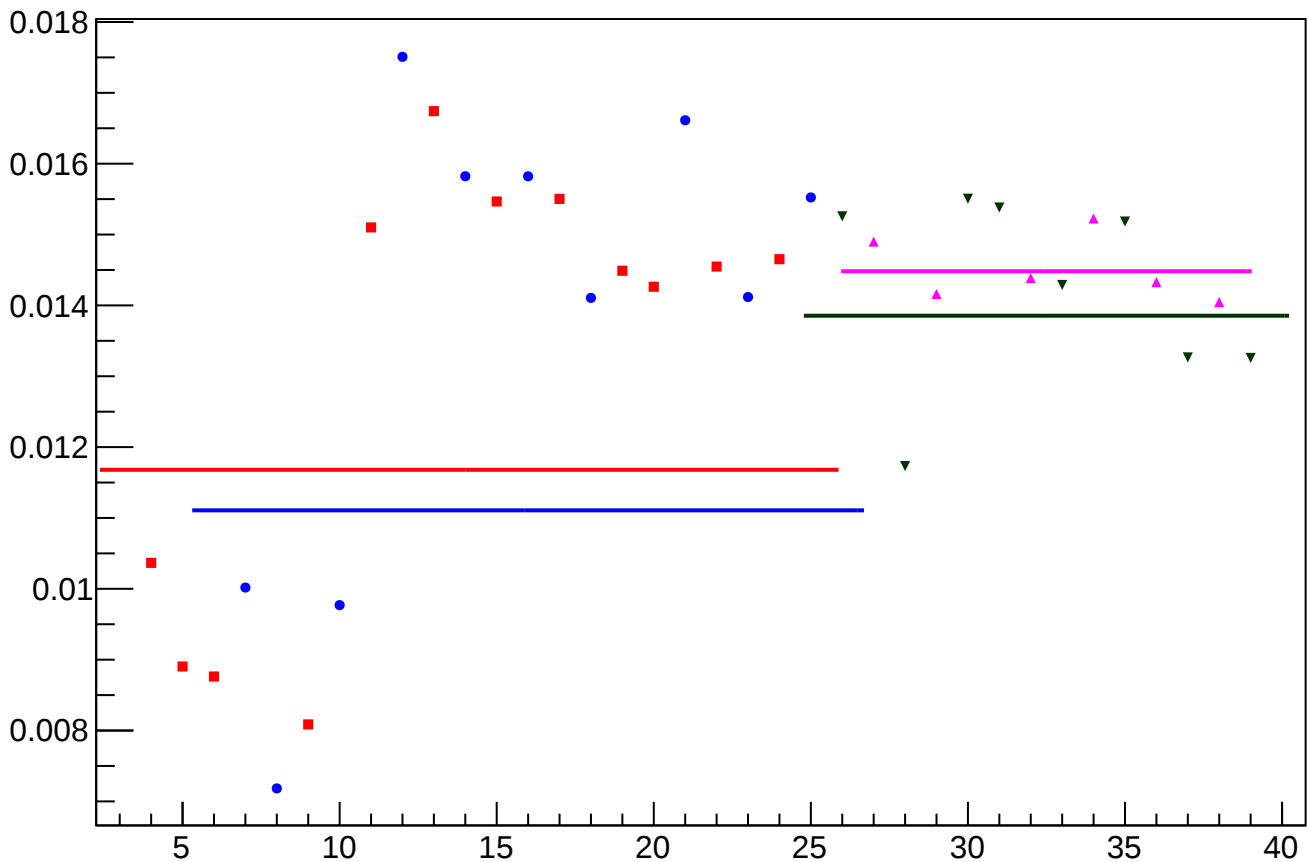
1.513+/-0.000 χ^2/NDF : 15803010383.2/17

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

1.469+/-0.000 χ^2/NDF : 14892107577.2/17

Left In: 1.847+/-0.000 χ^2/NDF :45143.6/5

yield_bpm4aY_rms vs slug



Right In: 0.011+/-0.000 χ^2/NDF : 1302674.8/9

Left Out: 0.014+/-0.000 χ^2/NDF : 78011.6/7

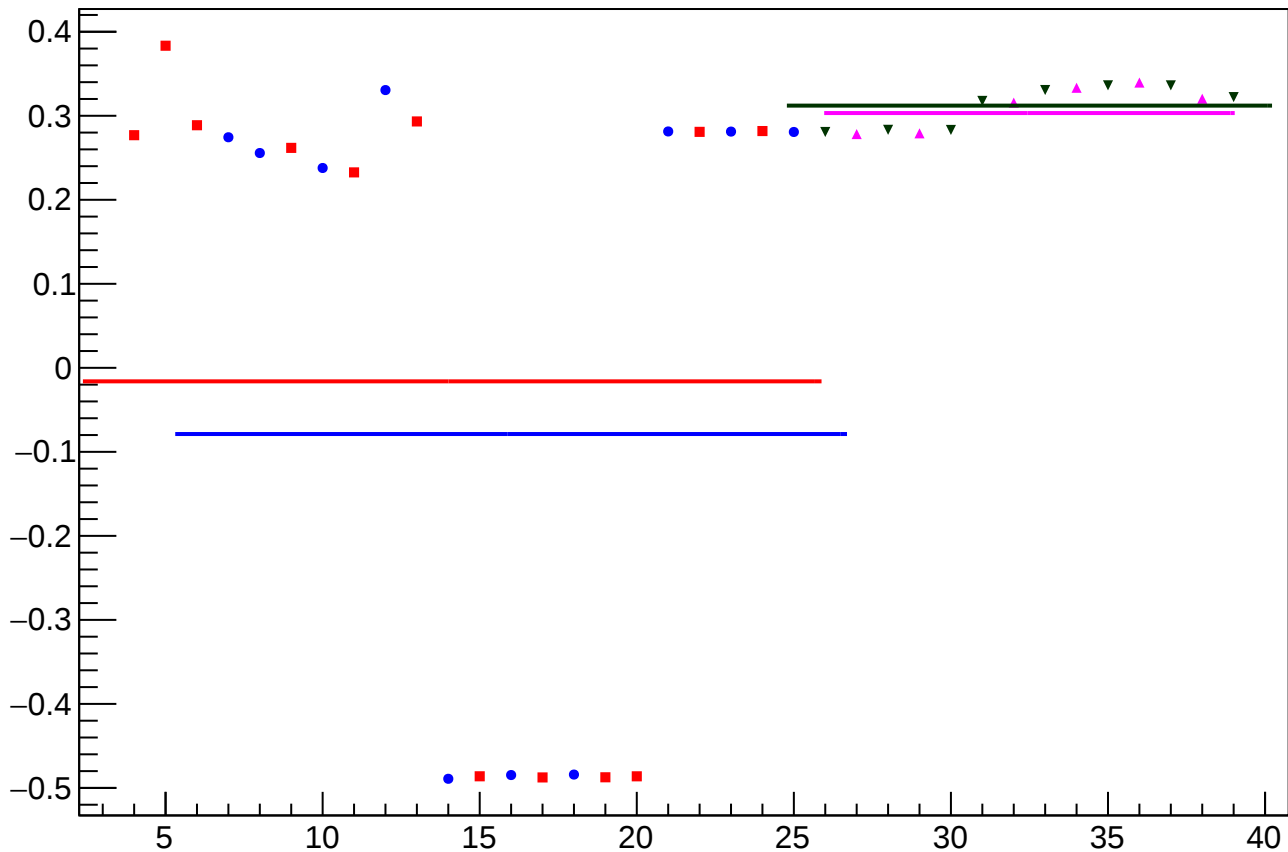
Right Out: 0.012+/-0.000 χ^2/NDF : 930559.5/11

Left In: 0.014+/-0.000 χ^2/NDF : 5646.6/5

0.012+/-0.000 χ^2/NDF : 1595463.5/17

0.013+/-0.000 χ^2/NDF : 1141261.9/17

yield_bpm4eX_mean vs slug



Right In: -0.079+/-0.000 χ^2/NDF : 2891377449.8/9

Left Out: 0.312+/-0.000 χ^2/NDF : 4653829.5/7

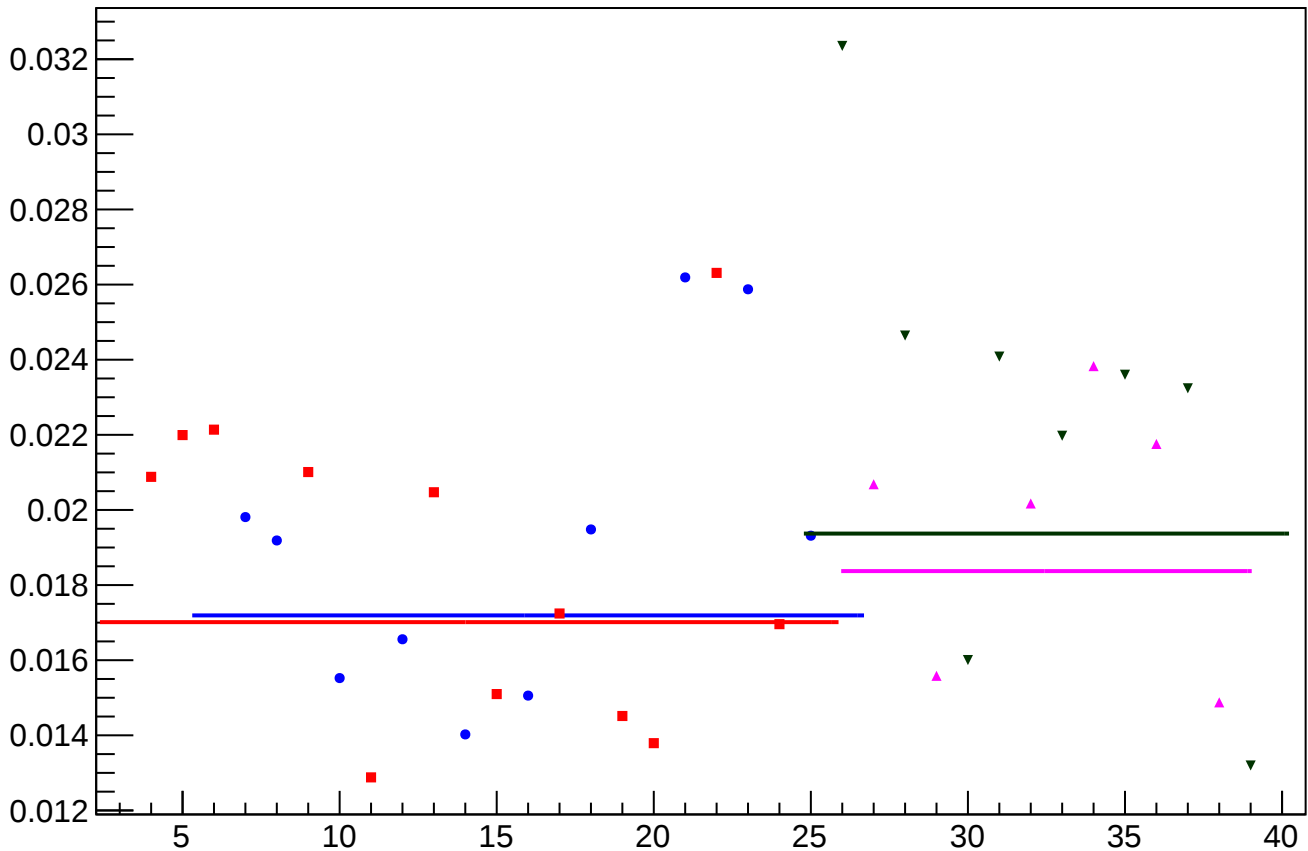
0.050+/-0.000 χ^2/NDF : 3908890115.8/17

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

0.095+/-0.000 χ^2/NDF : 3466990863.3/17

Left In: 0.303+/-0.000 χ^2/NDF : 5957649.2/5

yield_bpm4eX_rms vs slug



Right In: 0.017+/-0.000 χ^2/NDF : 479022.3/9

Left Out: 0.019+/-0.000 χ^2/NDF : 584827.2/7

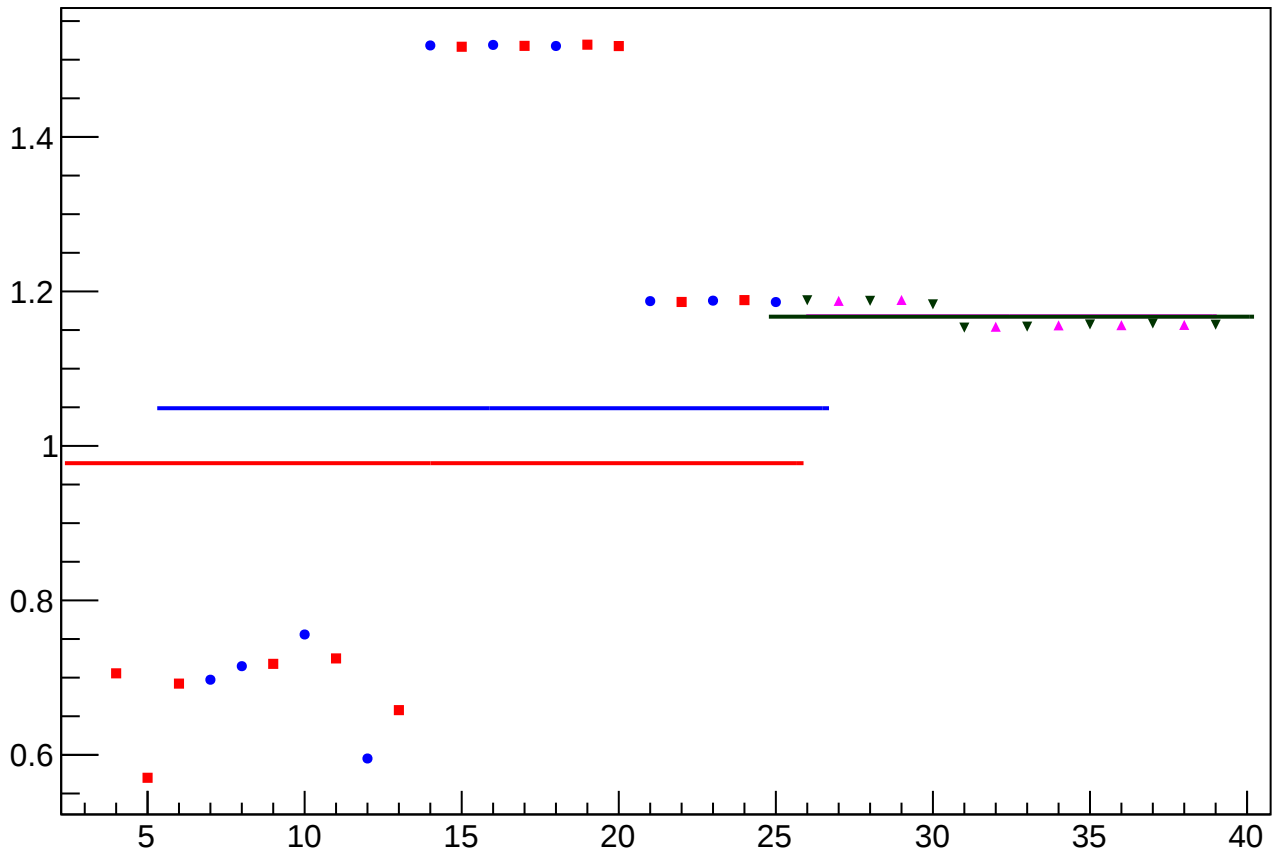
Right Out: 0.017+/-0.000 χ^2/NDF : 541970.9/11

Left In: 0.018+/-0.000 χ^2/NDF : 205176.4/5

0.018+/-0.000 χ^2/NDF : 1126768.4/17

0.017+/-0.000 χ^2/NDF : 773290.3/17

yield_bpm4eY_mean vs slug



Right In: 1.049+/-0.000 χ^2/NDF : 10266738028.3/9

Left Out: 1.167+/-0.000 χ^2/NDF : 11188252.0/7

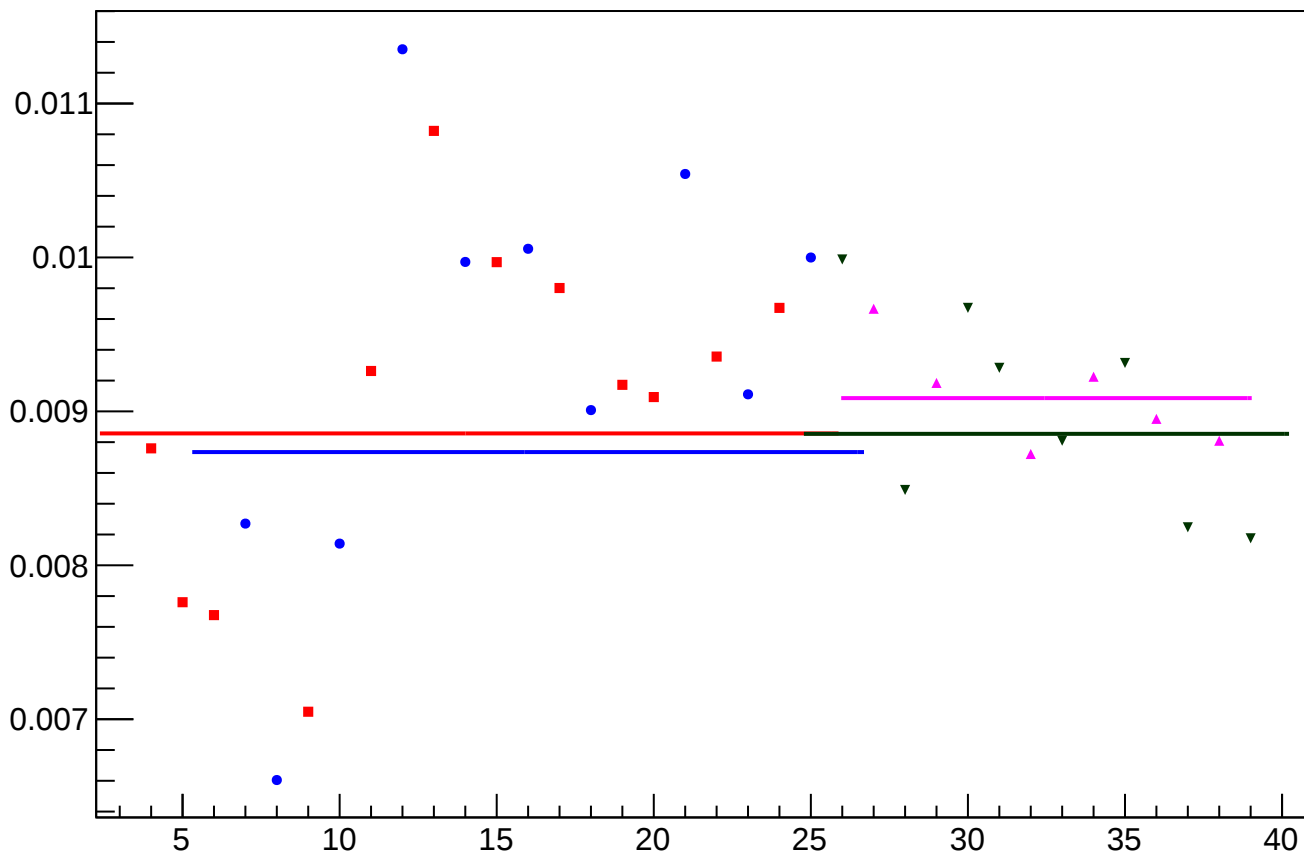
1.096+/-0.000 χ^2/NDF : 10718500741.7/17

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

1.050+/-0.000 χ^2/NDF : 10980021953.8/17

Left In: 1.168+/-0.000 χ^2/NDF : 12118934.6/5

yield_bpm4eY_rms vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 359497.5/9

Left Out: 0.009+/-0.000 χ^2/NDF : 39682.9/7

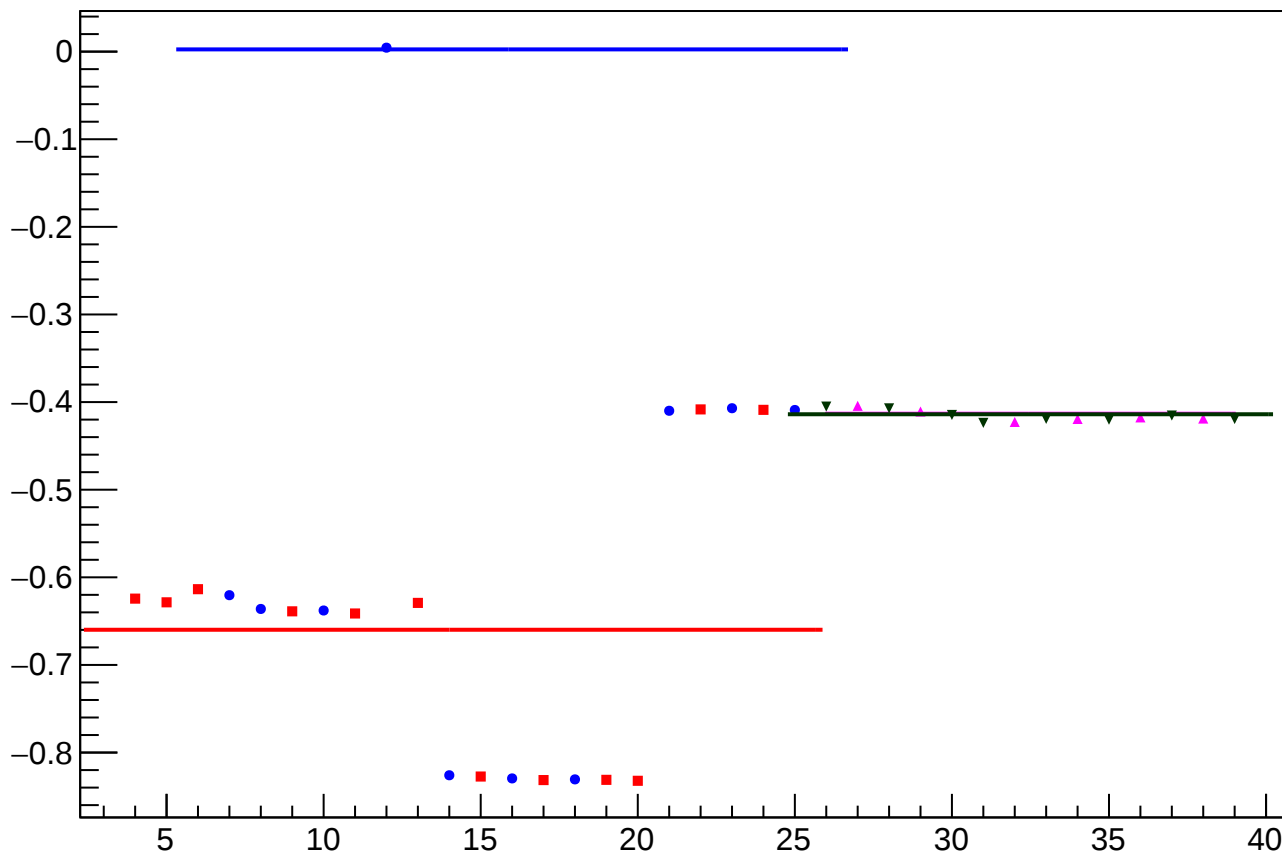
Right Out: 0.009+/-0.000 χ^2/NDF : 223846.5/11

Left In: 0.009+/-0.000 χ^2/NDF : 10569.2/5

0.009+/-0.000 χ^2/NDF : 400060.5/17

0.009+/-0.000 χ^2/NDF : 237529.7/17

yield_bpm4acX_mean vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 51925247581.1/9

Left Out: -0.414+/-0.000 χ^2/NDF : 2117483.2/7

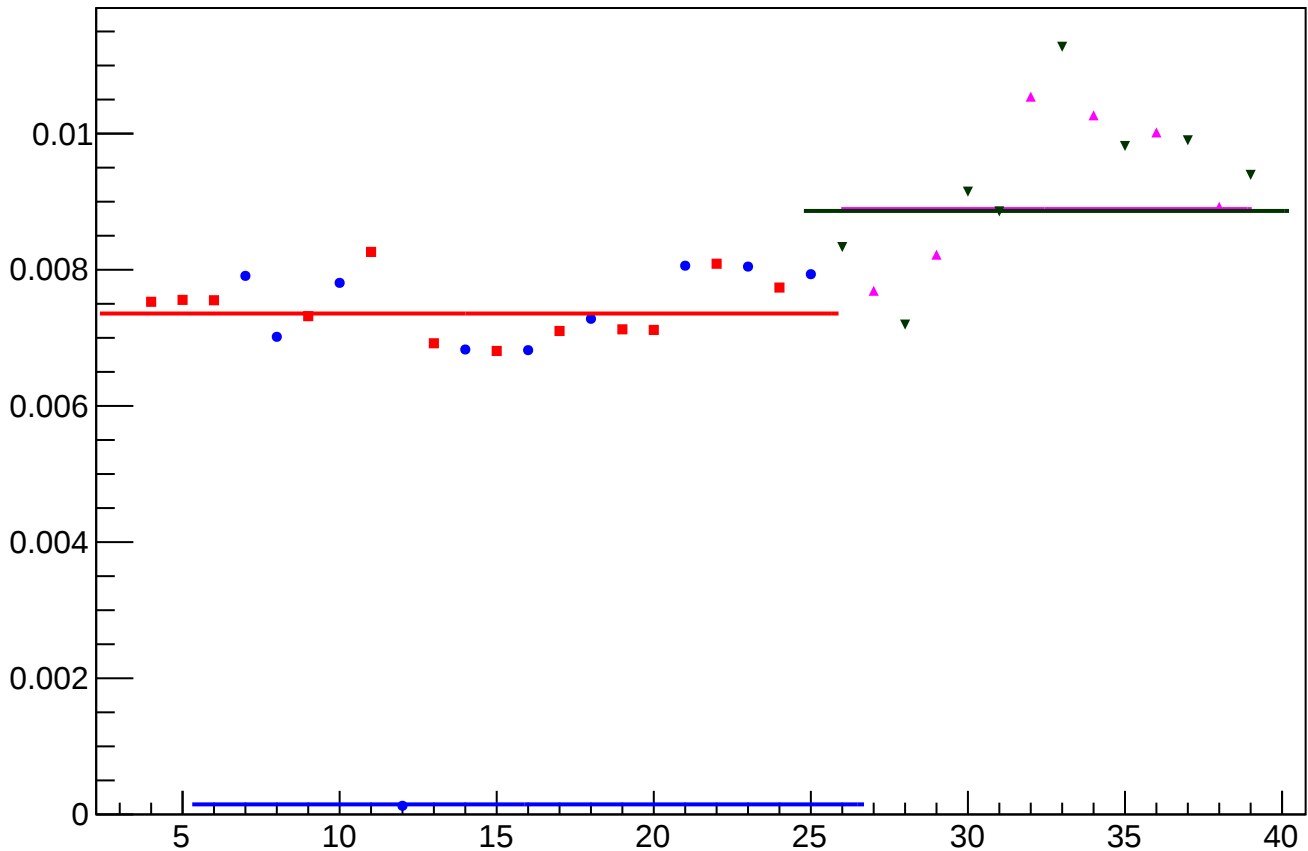
Right Out: -0.660+/-0.000 χ^2/NDF : 2254569212.9/11

Left In: -0.413+/-0.000 χ^2/NDF : 2371119.6/5

0.002+/-0.000 χ^2/NDF : 61019380912.0/17

-0.586+/-0.000 χ^2/NDF : 4390777181.5/17

yield_bpm4acX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 11156093.4/9

Left Out: 0.009+/-0.000 χ^2/NDF :149201.1/7

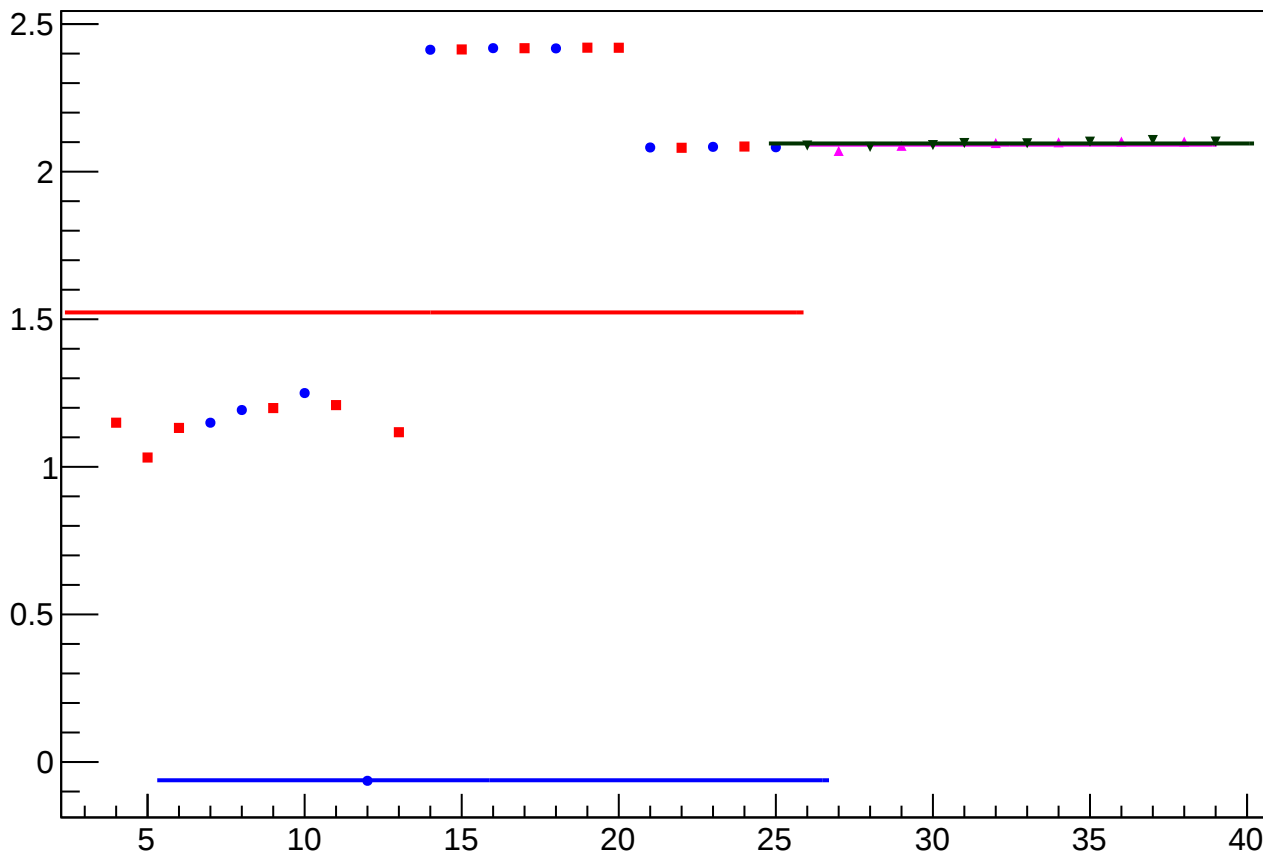
Right Out: 0.007+/-0.000 χ^2/NDF : 46926.6/11

Left In: 0.009+/-0.000 χ^2/NDF :125063.0/5

0.000+/-0.000 χ^2/NDF : 19271741.4/17

0.008+/-0.000 χ^2/NDF : 337135.3/17

yield_bpm4acY_mean vs slug



Right In: -0.062+/-0.000 χ^2/NDF : 126997111883.8/9

Left Out: 2.095+/-0.000 χ^2/NDF :1336864.3/7

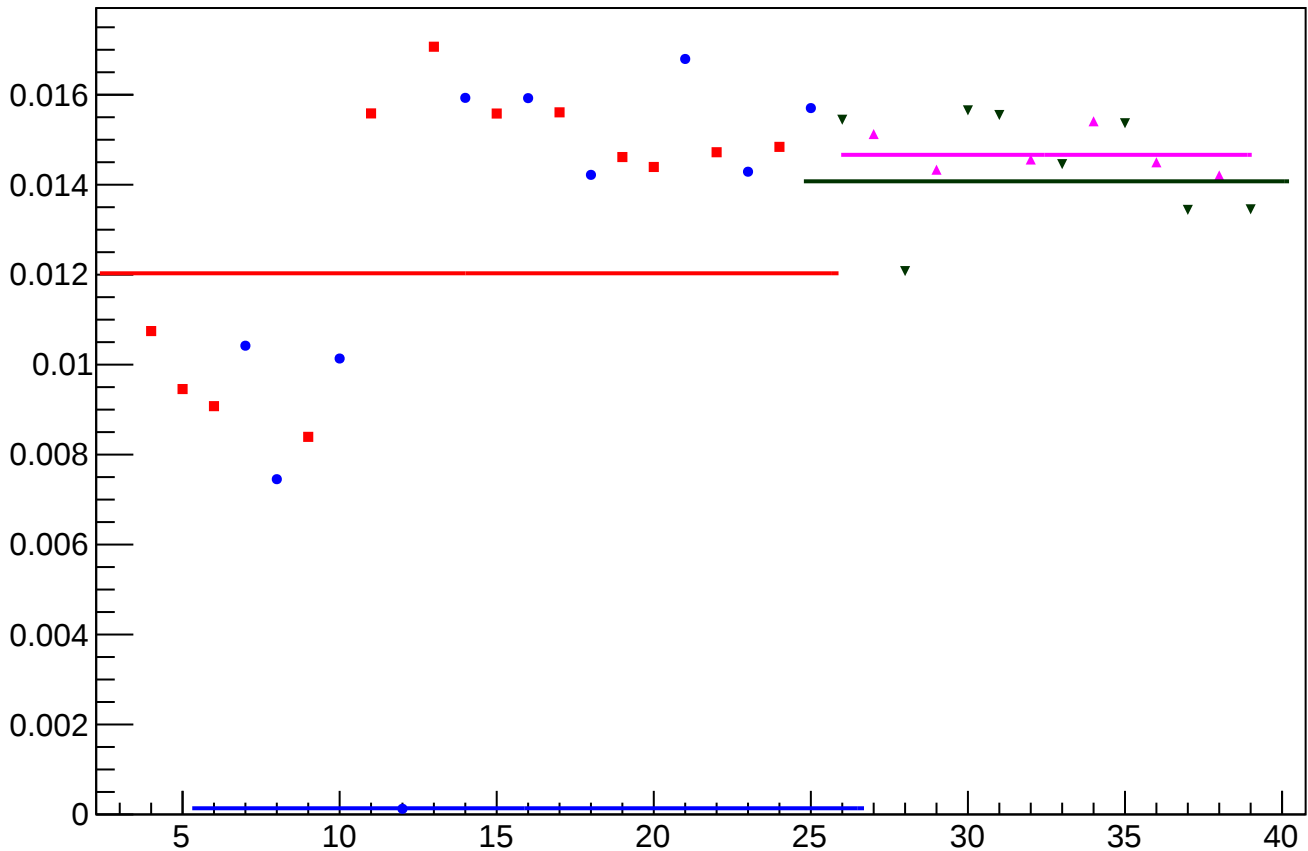
Right Out: 1.523+/-0.000 χ^2/NDF : 11362537231.2/11

Left In: 2.091+/-0.000 χ^2/NDF :2482509.8/5

-0.061+/-0.000 χ^2/NDF : 221361645735.8/17

1.705+/-0.000 χ^2/NDF : 15435419343.7/17

yield_bpm4acY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 10894753.2/9

Left Out: 0.014+/-0.000 χ^2/NDF : 69104.2/7

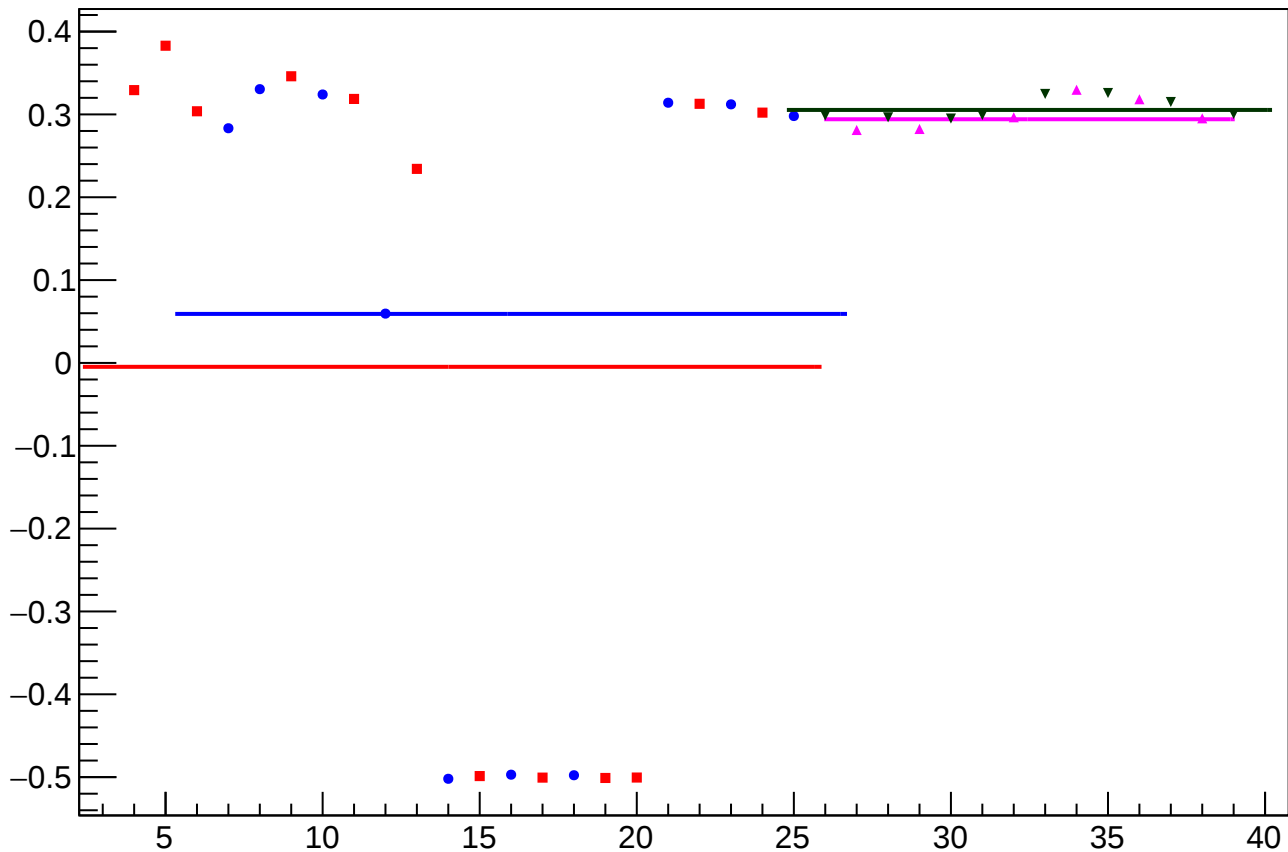
Right Out: 0.012+/-0.000 χ^2/NDF : 858730.1/11

Left In: 0.015+/-0.000 χ^2/NDF : 5974.4/5

0.000+/-0.000 χ^2/NDF : 18841883.0/17

0.013+/-0.000 χ^2/NDF : 1039557.2/17

yield_bpm4ecX_mean vs slug



Right In: 0.059+/-0.000 χ^2/NDF : 3541111693.7/9

Left Out: 0.305+/-0.000 χ^2/NDF :1226361.6/7

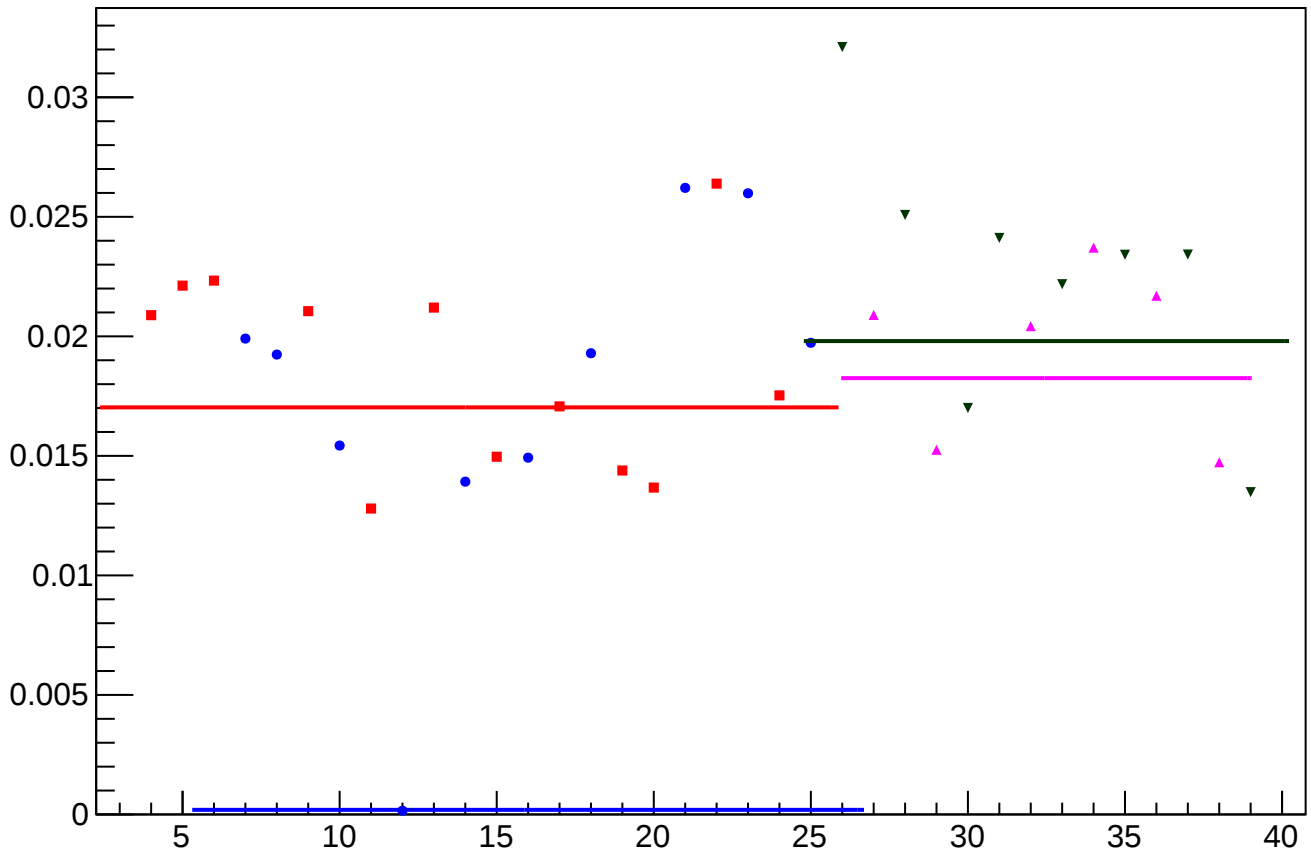
0.059+/-0.000 χ^2/NDF : 4120978532.0/17

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

0.100+/-0.000 χ^2/NDF : 3780962361.4/17

Left In: 0.294+/-0.000 χ^2/NDF :2464425.4/5

yield_bpm4ecX_rms vs slug



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

Left Out: 0.020+/-0.000 χ^2/NDF : 536790.8/7

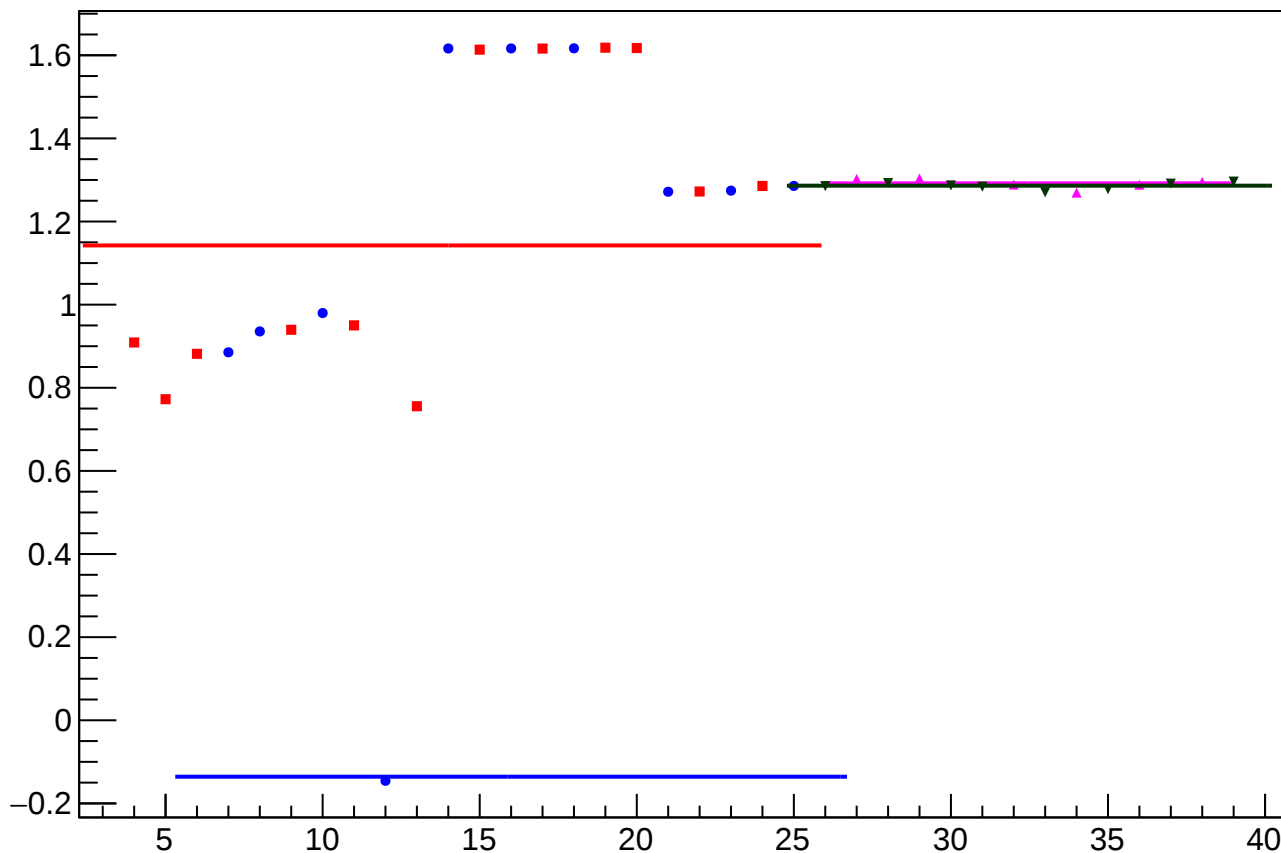
Right Out: 0.017+/-0.000 χ^2/NDF : 584593.5/11

Left In: 0.018+/-0.000 χ^2/NDF : 230417.0/5

0.000+/-0.000 χ^2/NDF : 18866437.7/17

0.017+/-0.000 χ^2/NDF : 836363.4/17

yield_bpm4ecY_mean vs slug



Right In: -0.136+/-0.000 χ^2/NDF : 131146167218.9/9

Left Out: 1.286+/-0.000 χ^2/NDF :2661025.1/7

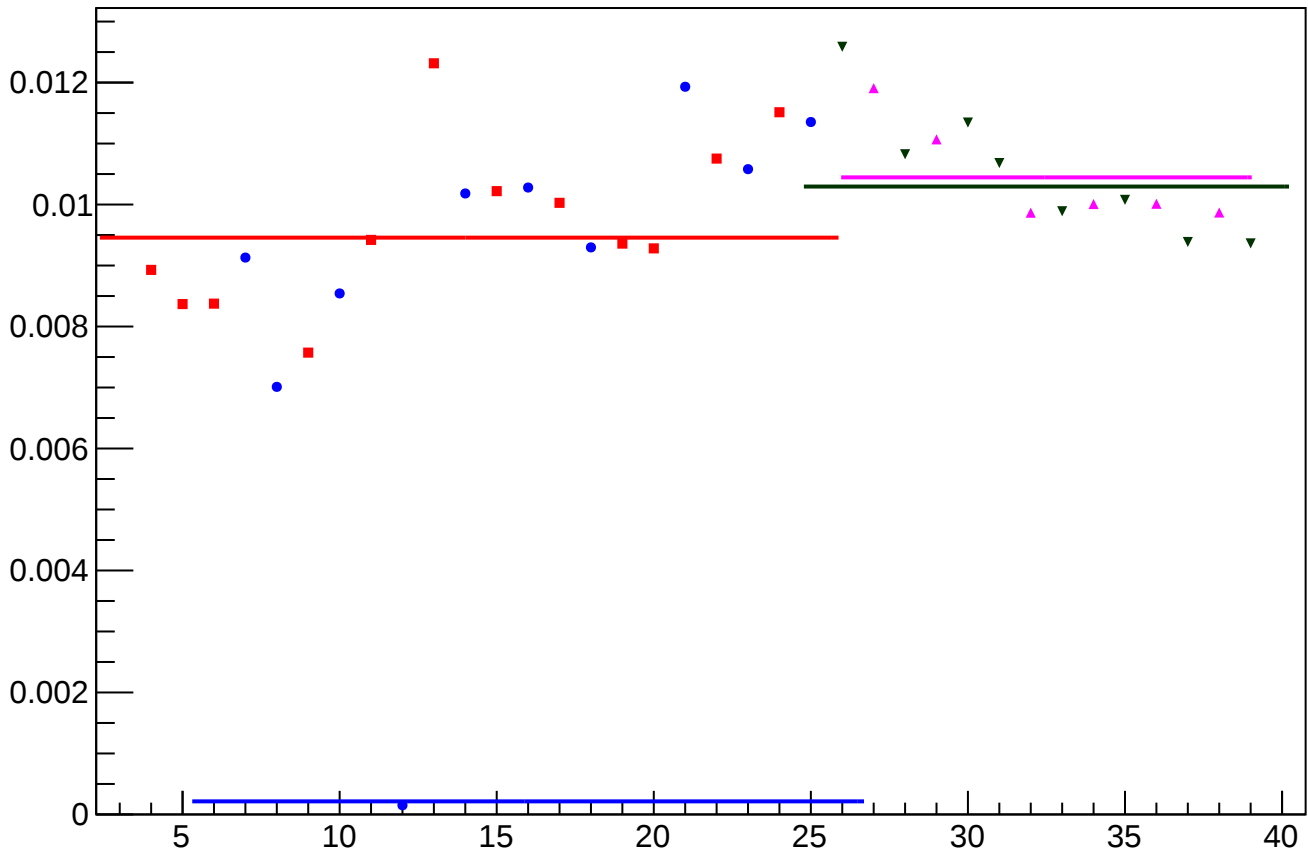
Right Out: 1.142+/-0.000 χ^2/NDF : 7015082012.3/11

Left In: 1.292+/-0.000 χ^2/NDF :4088656.3/5

-0.130+/-0.000 χ^2/NDF : 208694351319.4/17

1.195+/-0.000 χ^2/NDF : 7544325565.1/17

yield_bpm4ecY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 10811399.3/9

Left Out: 0.010+/-0.000 χ^2/NDF : 67476.6/7

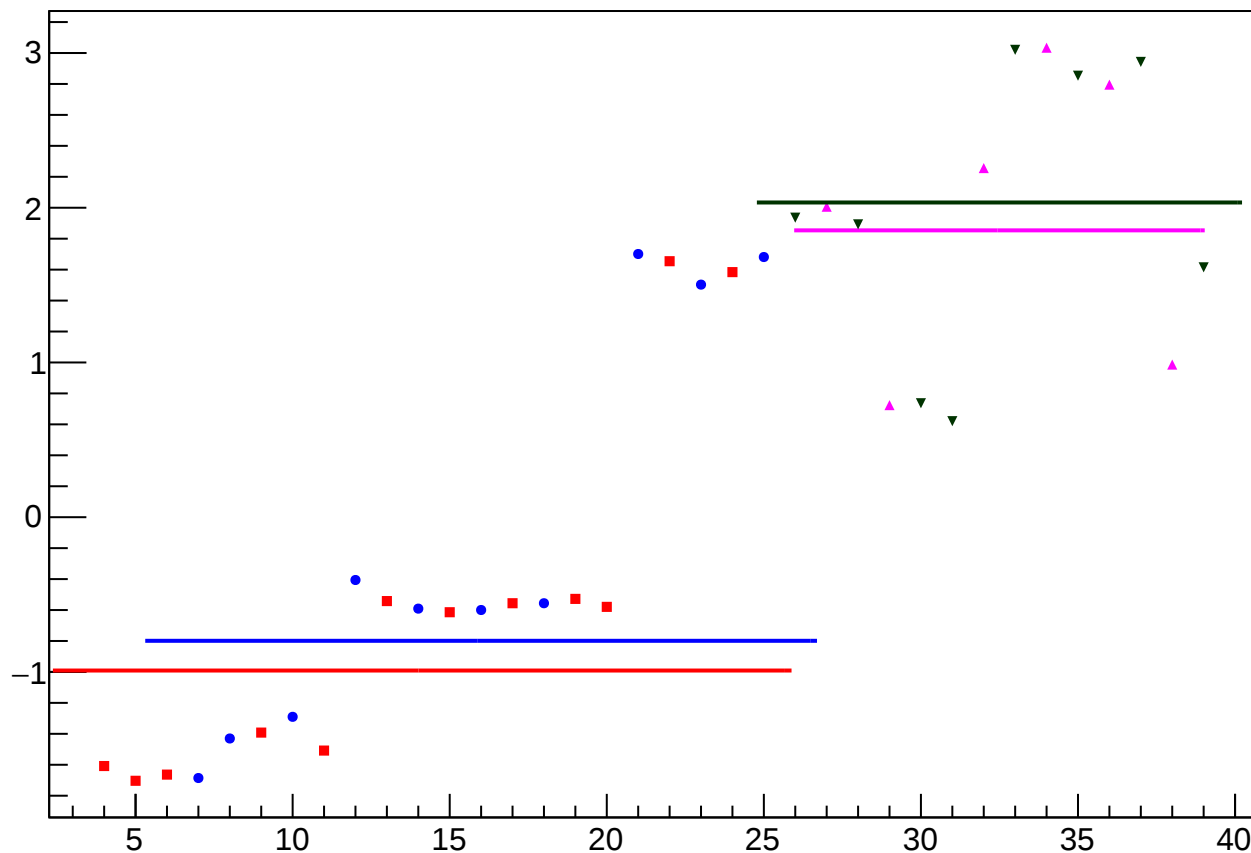
0.000+/-0.000 χ^2/NDF : 18672810.3/17

Right Out: 0.009+/-0.000 χ^2/NDF : 269492.1/11

0.010+/-0.000 χ^2/NDF : 358439.9/17

Left In: 0.010+/-0.000 χ^2/NDF : 43004.8/5

yield_bpm1X_mean vs slug



Right In: -0.799 ± 0.000 $\chi^2/\text{NDF}: 2108272061.1/9$

Left Out: 2.034 ± 0.000 $\chi^2/\text{NDF}: 109177922.1/7$

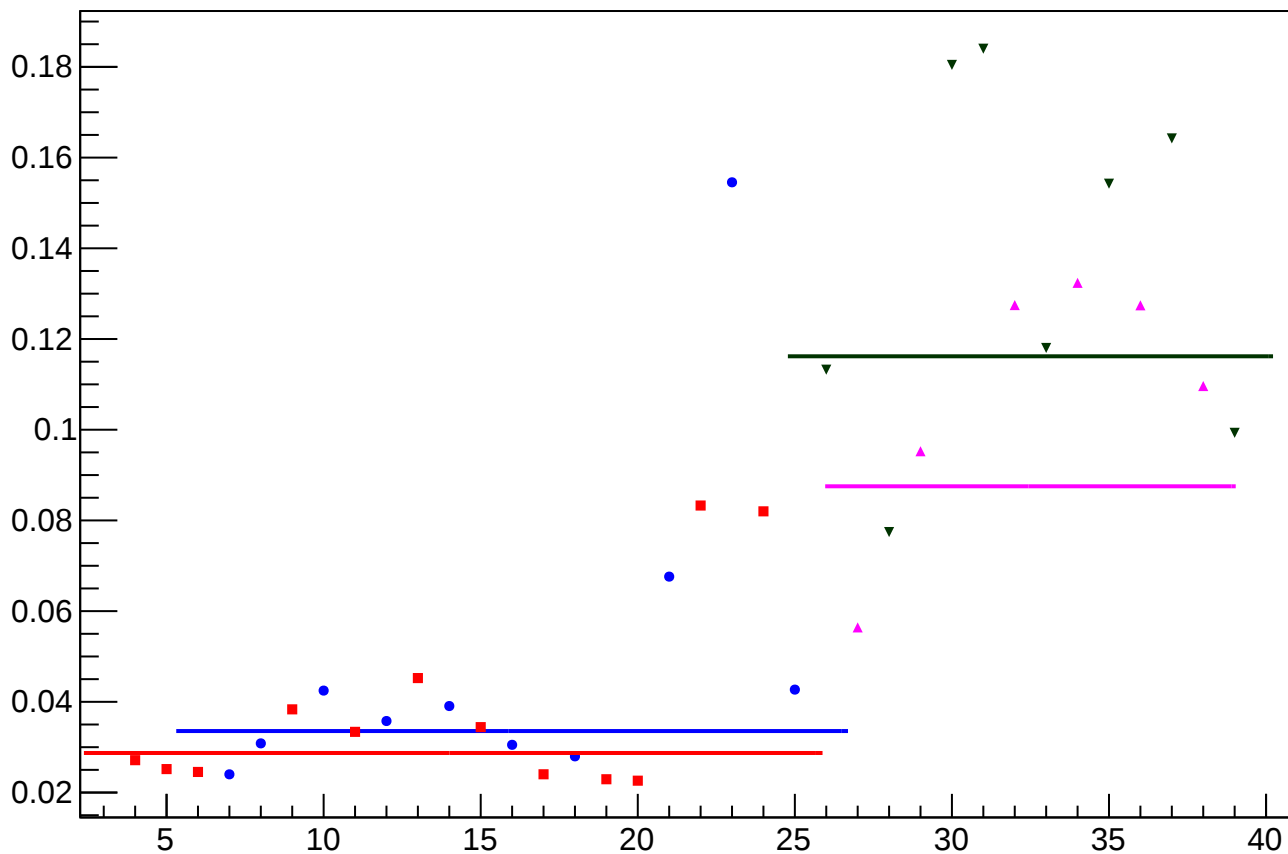
Right Out: -0.991 ± 0.000 $\chi^2/\text{NDF}: 2016562689.3/11$

Left In: 1.854 ± 0.000 $\chi^2/\text{NDF}: 169165137.0/5$

-0.642 ± 0.000 $\chi^2/\text{NDF}: 3927875819.1/17$

-0.817 ± 0.000 $\chi^2/\text{NDF}: 4856162581.4/17$

yield_bpm1X_rms vs slug



Right In: 0.034+/-0.000 χ^2/NDF : 1033776.5/9

Left Out: 0.116+/-0.000 χ^2/NDF : 576140.3/7

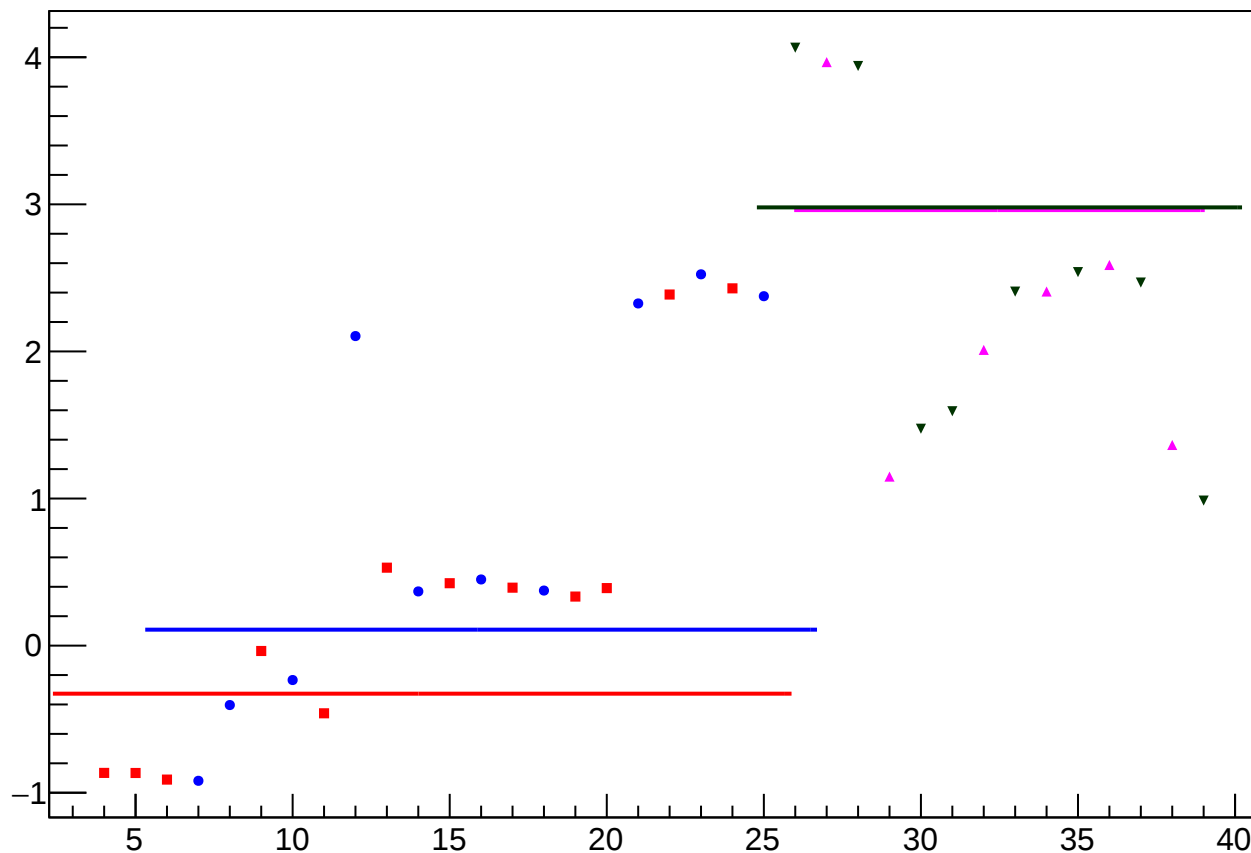
Right Out: 0.029+/-0.000 χ^2/NDF : 965052.5/11

Left In: 0.088+/-0.000 χ^2/NDF : 680870.6/5

0.038+/-0.000 χ^2/NDF : 4520399.1/17

0.032+/-0.000 χ^2/NDF : 3927997.8/17

yield_bpm1Y_mean vs slug



Right In: 0.109+/-0.000 χ^2/NDF : 8111501728.9/9

Left Out: 2.979+/-0.000 χ^2/NDF : 634201785.3/7

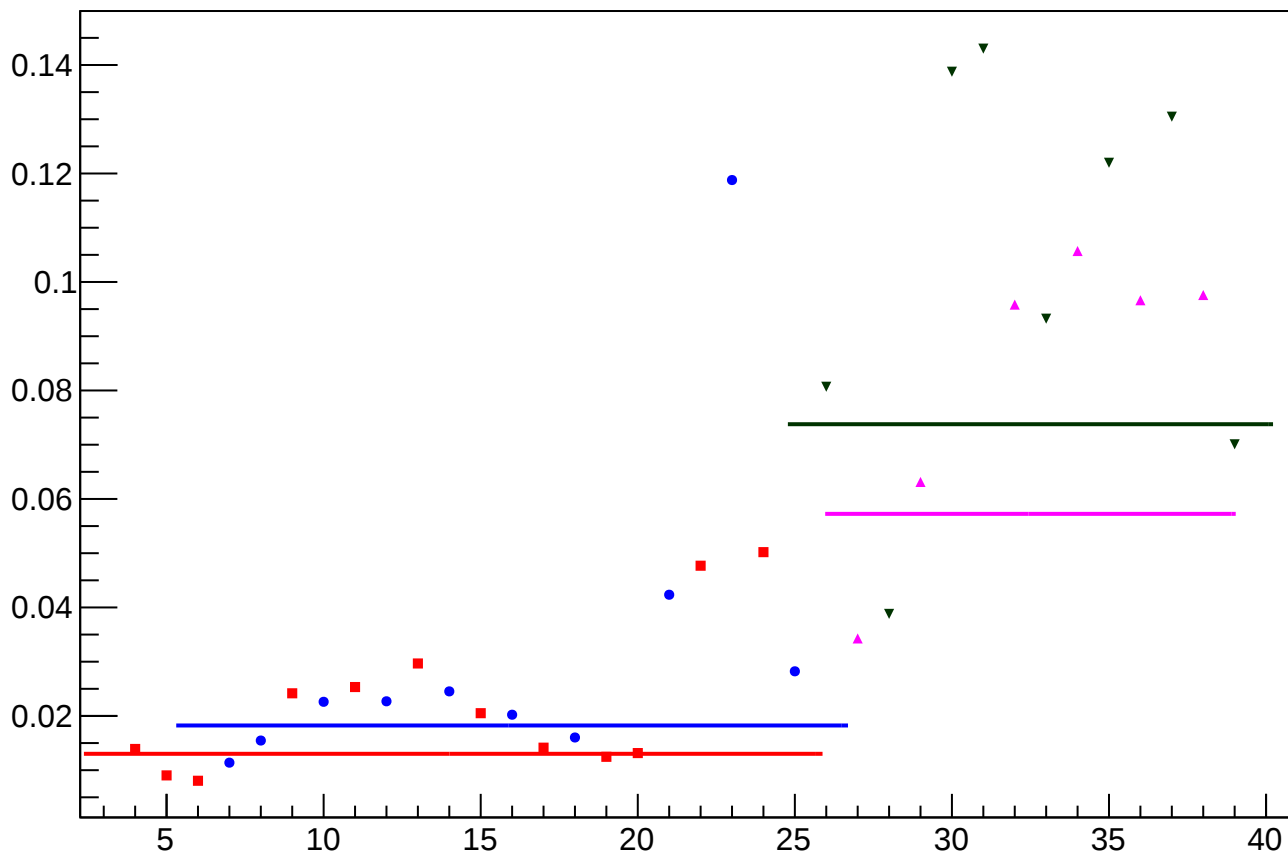
Right Out: -0.327+/-0.000 χ^2/NDF : 9287320551.8/11

Left In: 2.961+/-0.000 χ^2/NDF : 995392534.6/5

0.226+/-0.000 χ^2/NDF : 12443783819.5/17

-0.217+/-0.000 χ^2/NDF : 17791640434.7/17

yield_bpm1Y_rms vs slug



Right In: 0.018+/-0.000 χ^2/NDF : 1320521.5/9

Left Out: 0.074+/-0.000 χ^2/NDF :1220233.7/7

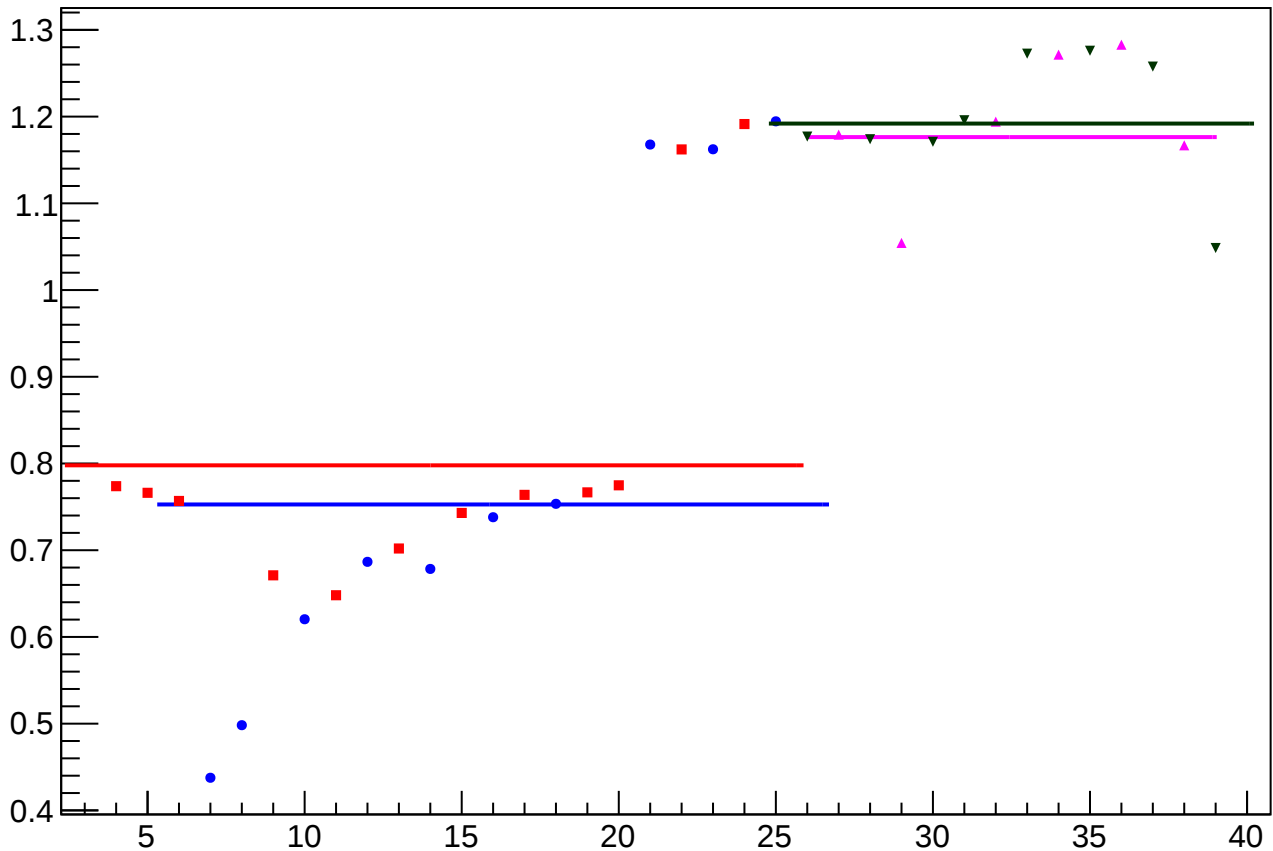
Right Out: 0.013+/-0.000 χ^2/NDF : 1857519.6/11

Left In: 0.057+/-0.000 χ^2/NDF :1123491.5/5

0.021+/-0.000 χ^2/NDF : 5309130.3/17

0.014+/-0.000 χ^2/NDF : 5699900.5/17

yield_bpm11X_mean vs slug



Right In: 0.753+/-0.000 χ^2/NDF : 845583832.8/9

Left Out: 1.192+/-0.000 χ^2/NDF : 39559830.0/7

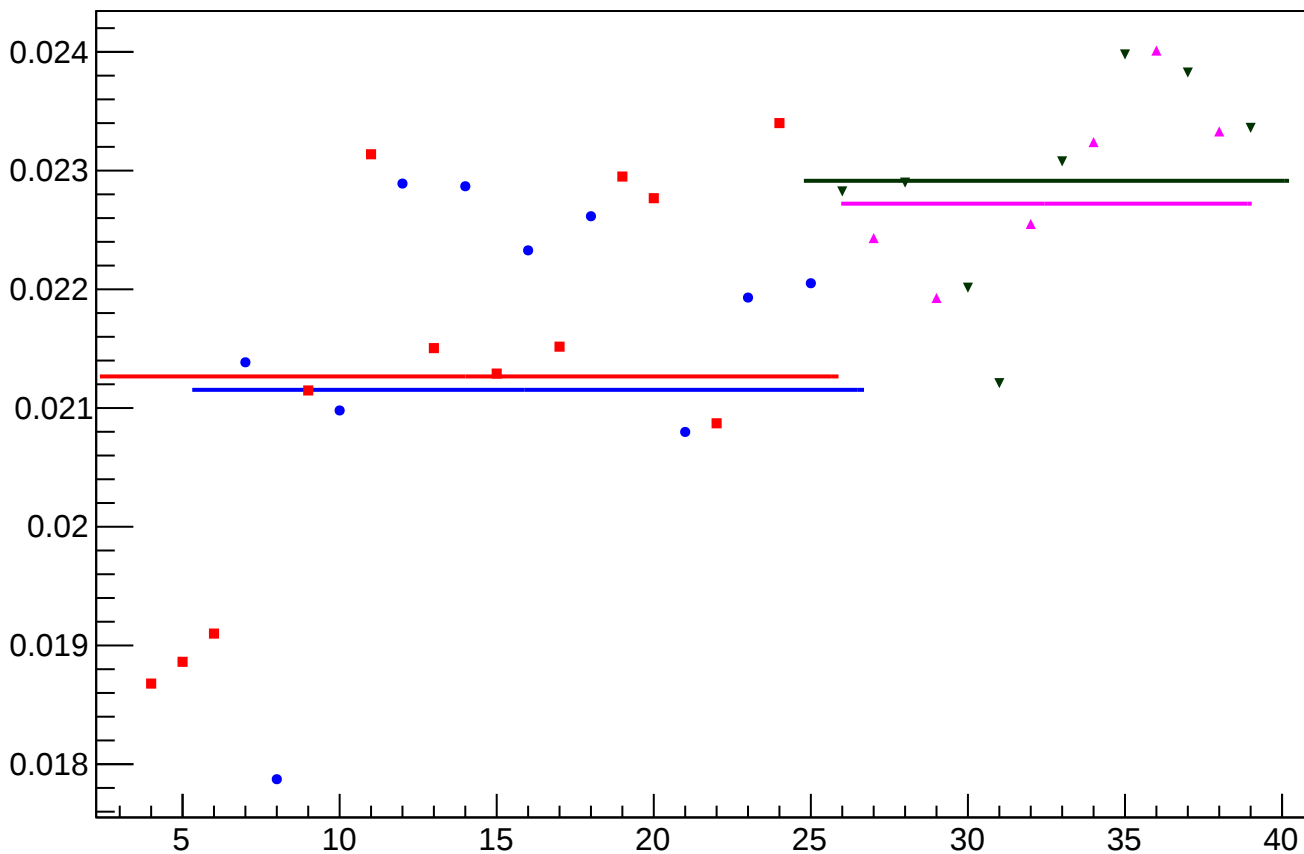
0.912+/-0.000 χ^2/NDF : 1854242688.2/17

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

0.934+/-0.000 χ^2/NDF : 1141647861.2/17

Left In: 1.176+/-0.000 χ^2/NDF : 42862356.2/5

yield_bpm11X_rms vs slug



Right In: 0.021+/-0.000 χ^2/NDF : 89384.0/9

Left Out: 0.023+/-0.000 χ^2/NDF :10428.4/7

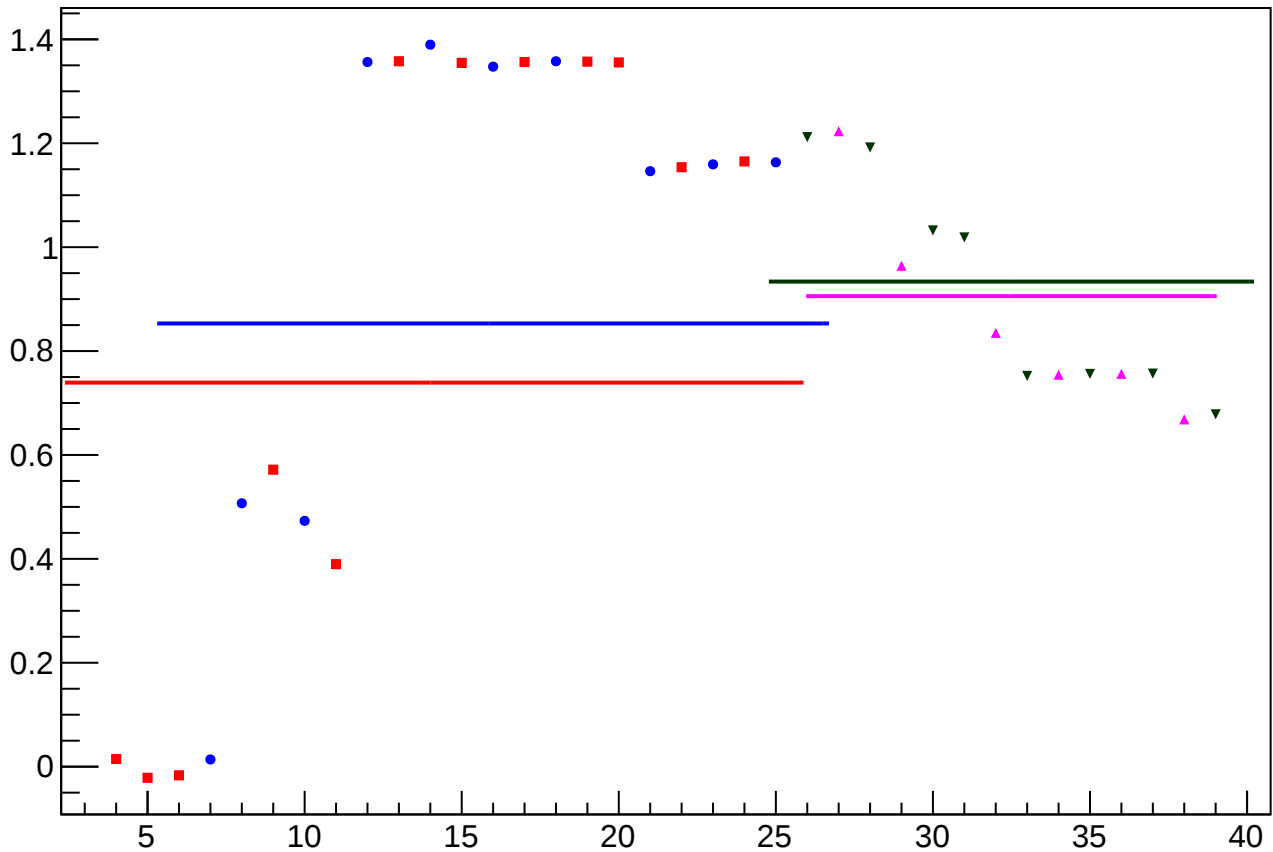
0.022+/-0.000 χ^2/NDF : 130960.5/17

Right Out: 0.021+/-0.000 χ^2/NDF : 58605.8/11

0.022+/-0.000 χ^2/NDF : 85817.7/17

Left In: 0.023+/-0.000 χ^2/NDF :6372.5/5

yield_bpm11Y_mean vs slug



Right In: 0.853+/-0.000 χ^2/NDF : 104764240658.7/9

Left Out: 0.934+/-0.000 χ^2/NDF : 11614433646.1/7

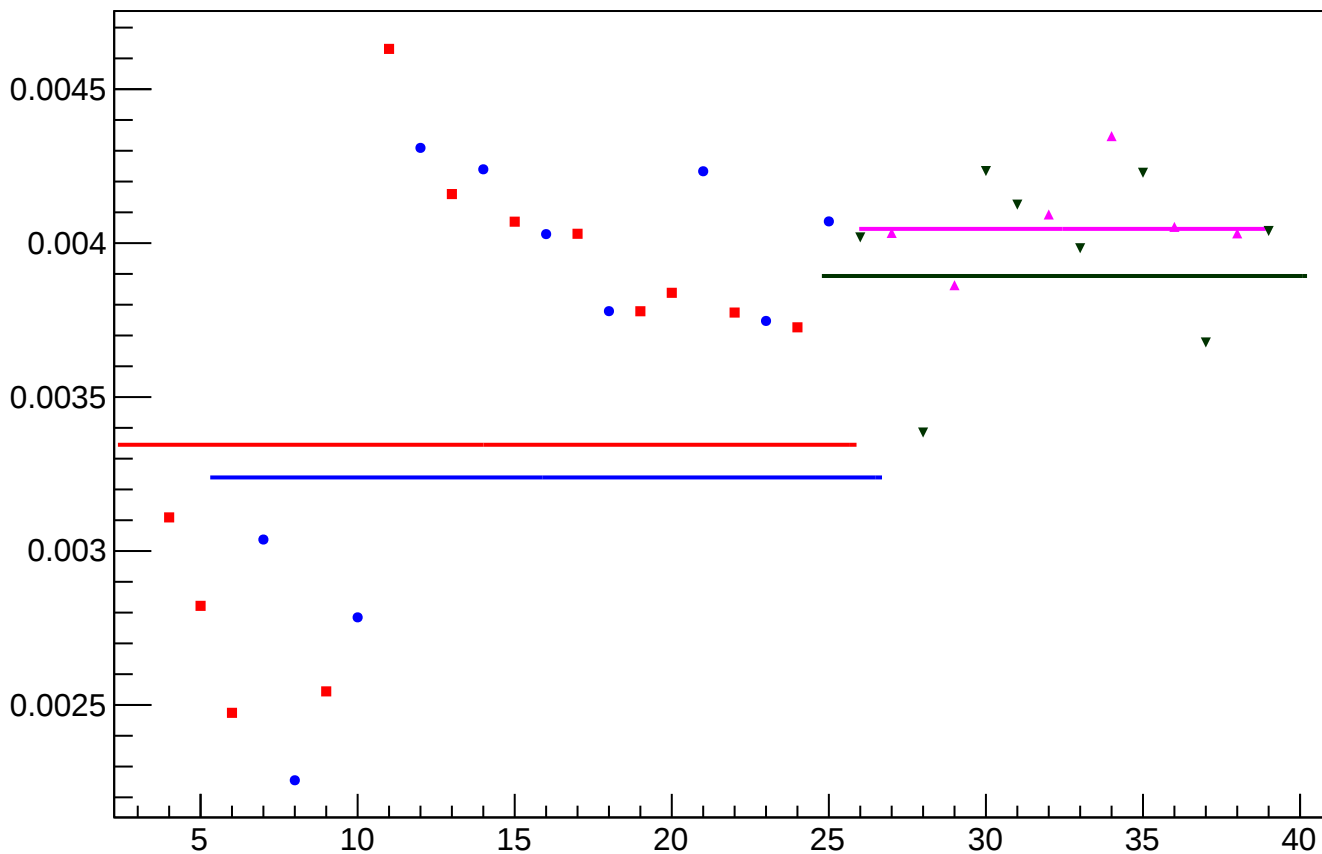
0.879+/-0.000 χ^2/NDF : 117539315615.3/17

Right Out: 0.739+/-0.000 χ^2/NDF : 163147236052.0/11

0.792+/-0.000 χ^2/NDF : 176363469253.0/17

Left In: 0.906+/-0.000 χ^2/NDF : 8624886043.5/5

yield_bpm11Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 745700.6/9

Left Out: 0.004+/-0.000 χ^2/NDF : 49135.8/7

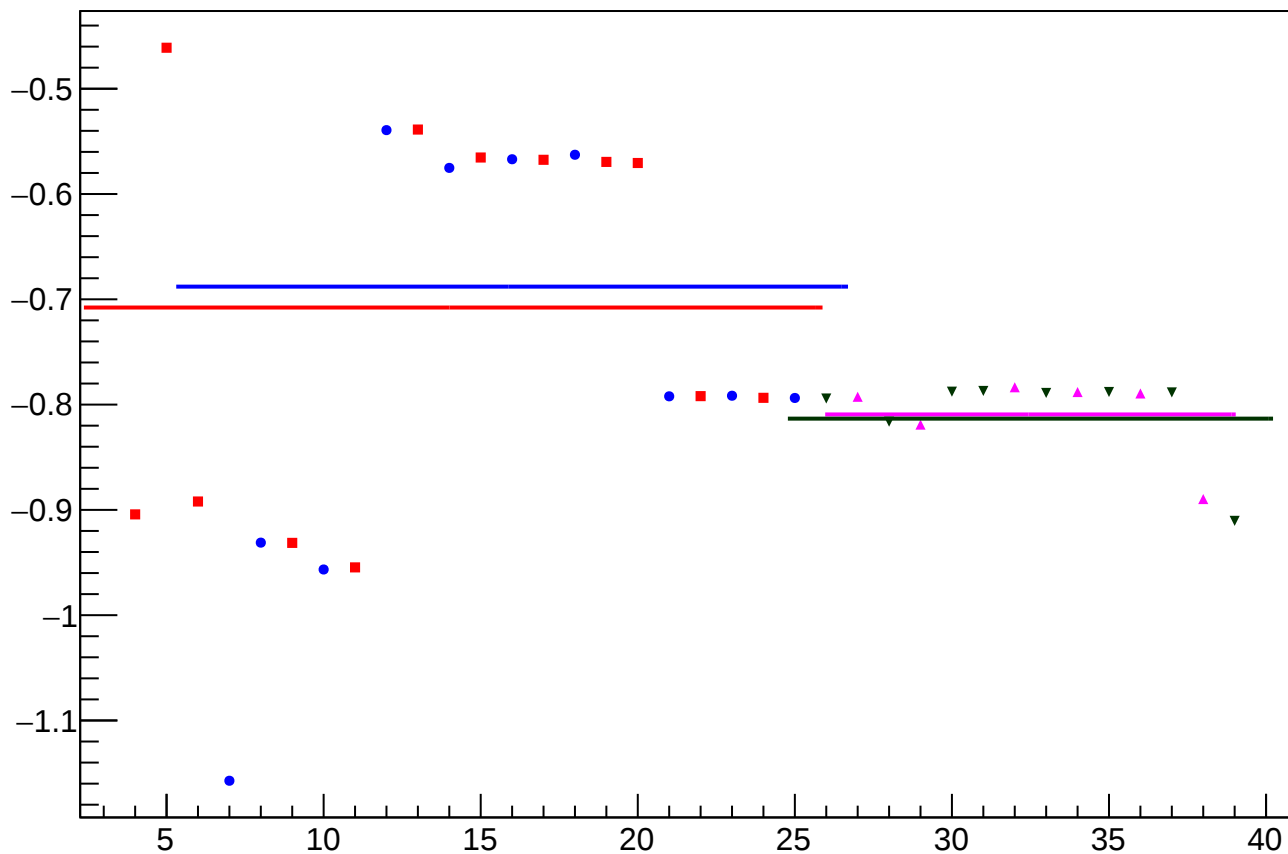
Right Out: 0.003+/-0.000 χ^2/NDF : 574504.0/11

Left In: 0.004+/-0.000 χ^2/NDF : 8506.1/5

0.003+/-0.000 χ^2/NDF : 947719.1/17

0.004+/-0.000 χ^2/NDF : 746028.8/17

yield_bpm12X_mean vs slug



Right In: -0.688+/-0.000 χ^2/NDF : 1835449316.2/9

Left Out: -0.813+/-0.000 χ^2/NDF : 114600239.2/7

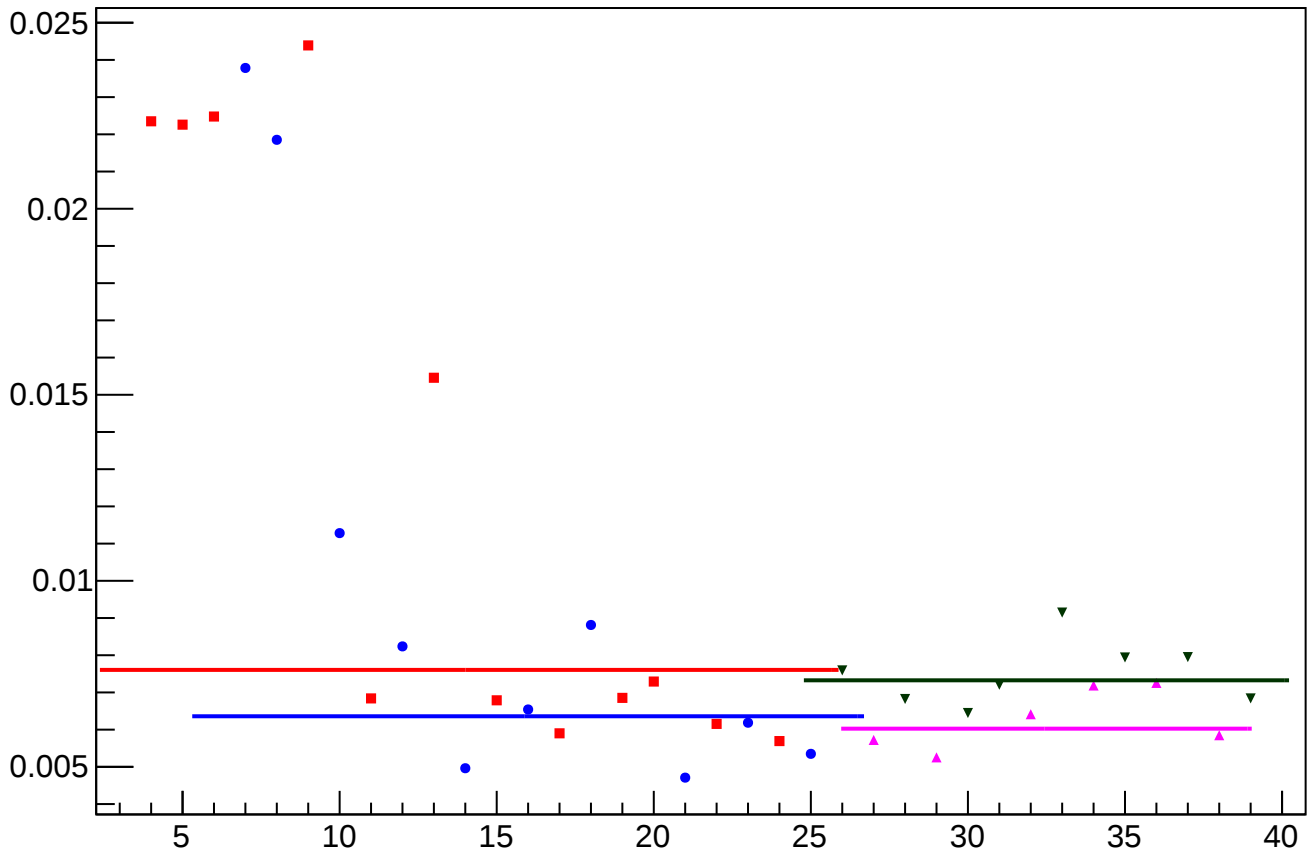
Right Out: -0.708+/-0.000 χ^2/NDF : 1719681121.8/11

Left In: -0.809+/-0.000 χ^2/NDF : 91450598.8/5

-0.733+/-0.000 χ^2/NDF : 2550164656.8/17

-0.761+/-0.000 χ^2/NDF : 2206487267.0/17

yield_bpm12X_rms vs slug



Right In: 0.006 ± 0.000 $\chi^2/\text{NDF}: 1833155.9/9$

Left Out: 0.007 ± 0.000 $\chi^2/\text{NDF}: 69112.9/7$

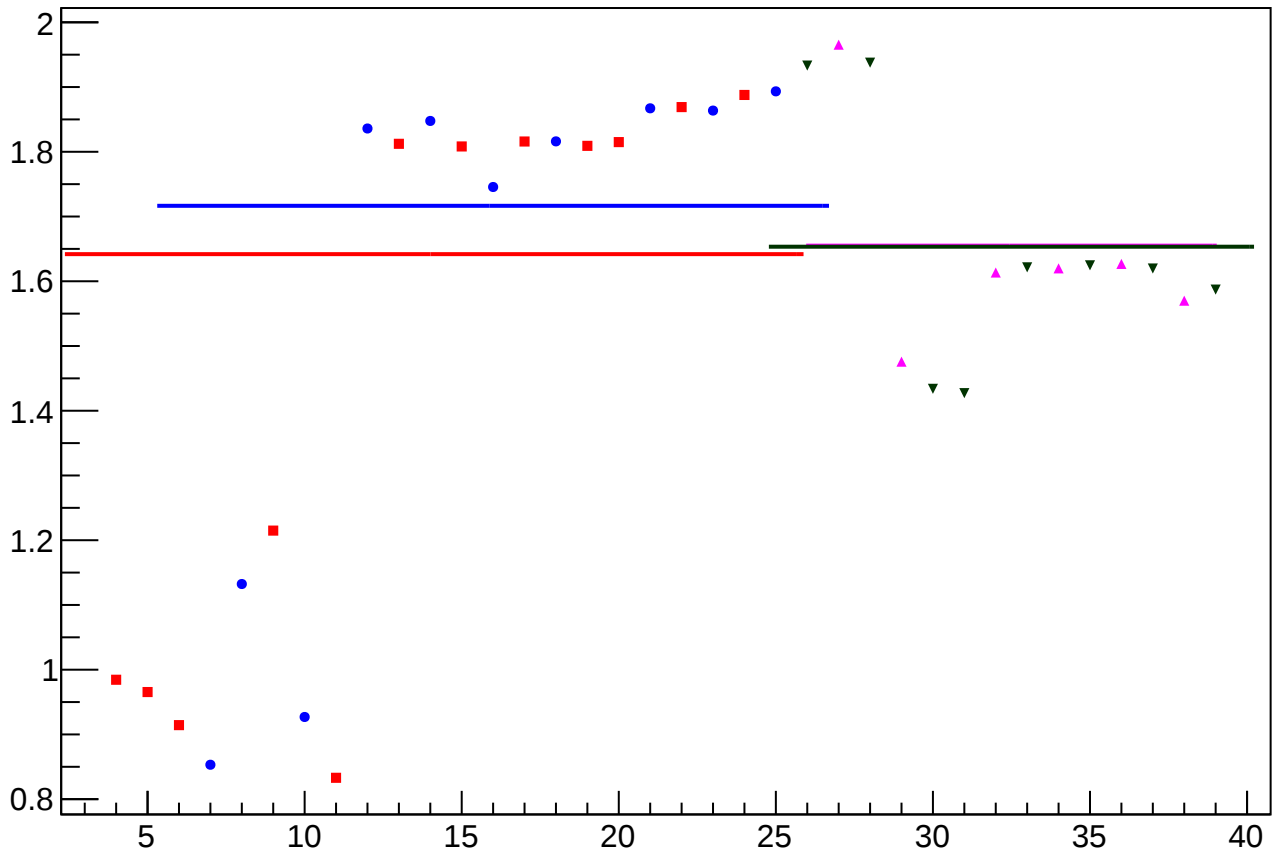
Right Out: 0.008 ± 0.000 $\chi^2/\text{NDF}: 2293990.6/11$

Left In: 0.006 ± 0.000 $\chi^2/\text{NDF}: 73924.1/5$

0.007 ± 0.000 $\chi^2/\text{NDF}: 1973585.4/17$

0.007 ± 0.000 $\chi^2/\text{NDF}: 2559215.3/17$

yield_bpm12Y_mean vs slug



Right In: 1.717+/-0.000 χ^2/NDF : 10938016030.0/9

Left Out: 1.653+/-0.000 χ^2/NDF : 2905629763.8/7

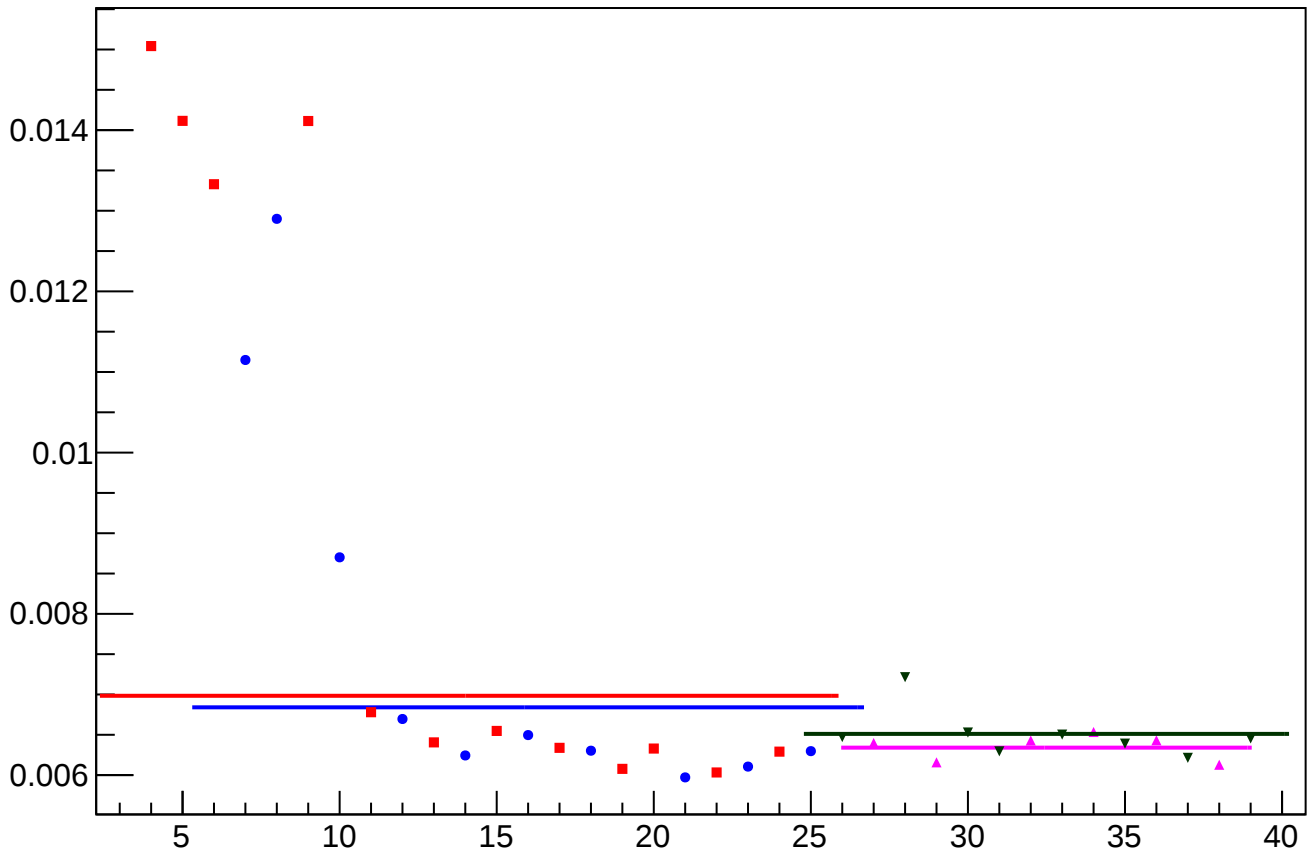
1.689+/-0.000 χ^2/NDF : 14052065189.9/17

Right Out: 1.642+/-0.000 χ^2/NDF : 15751478429.4/11

1.648+/-0.000 χ^2/NDF : 18384648941.8/17

Left In: 1.655+/-0.000 χ^2/NDF : 2624410144.2/5

yield_bpm12Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 600956.3/9

Left Out: 0.007+/-0.000 χ^2/NDF :15325.5/7

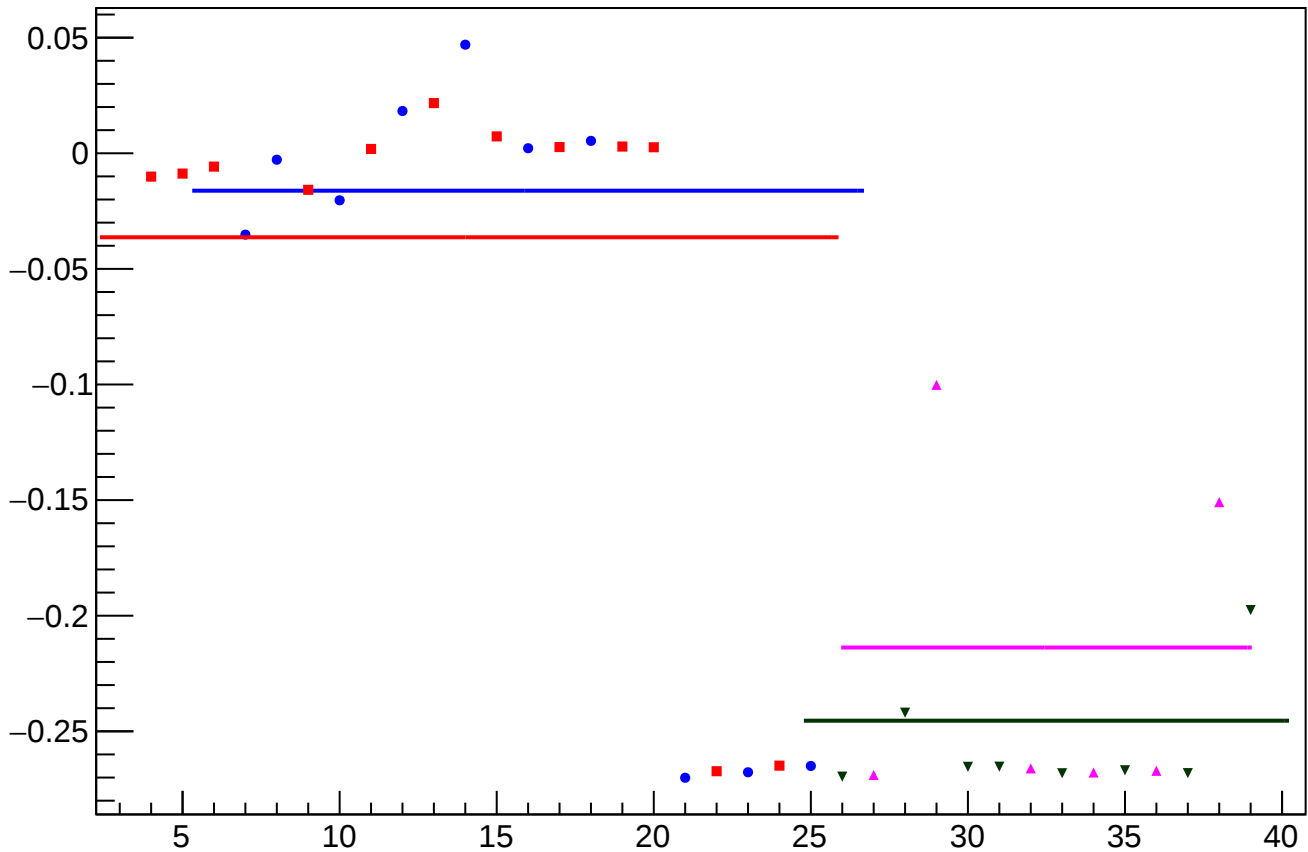
Right Out: 0.007+/-0.000 χ^2/NDF : 973579.9/11

Left In: 0.006+/-0.000 χ^2/NDF :3844.0/5

0.007+/-0.000 χ^2/NDF : 627616.1/17

0.007+/-0.000 χ^2/NDF : 1019322.2/17

yield_bpm16X_mean vs slug



Right In: -0.016+/-0.000 χ^2/NDF : 1451636458.8/9

Left Out: -0.245+/-0.000 χ^2/NDF : 90098779.5/7

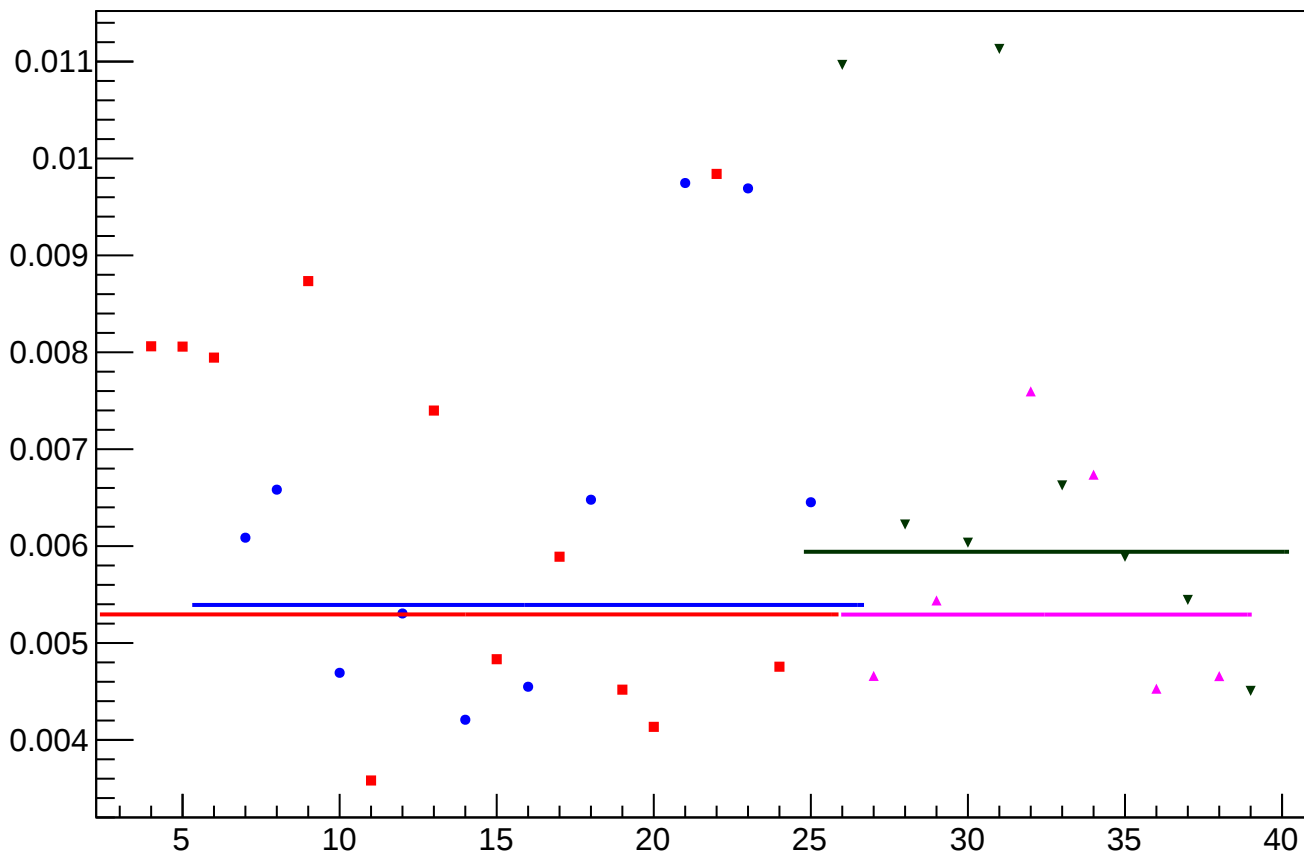
-0.096+/-0.000 χ^2/NDF : 5007558286.9/17

Right Out: -0.036+/-0.000 χ^2/NDF : 1742147509.6/11

-0.106+/-0.000 χ^2/NDF : 4751464493.3/17

Left In: -0.214+/-0.000 χ^2/NDF : 634111708.0/5

yield_bpm16X_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 809148.4/9

Left Out: 0.006+/-0.000 χ^2/NDF : 486172.3/7

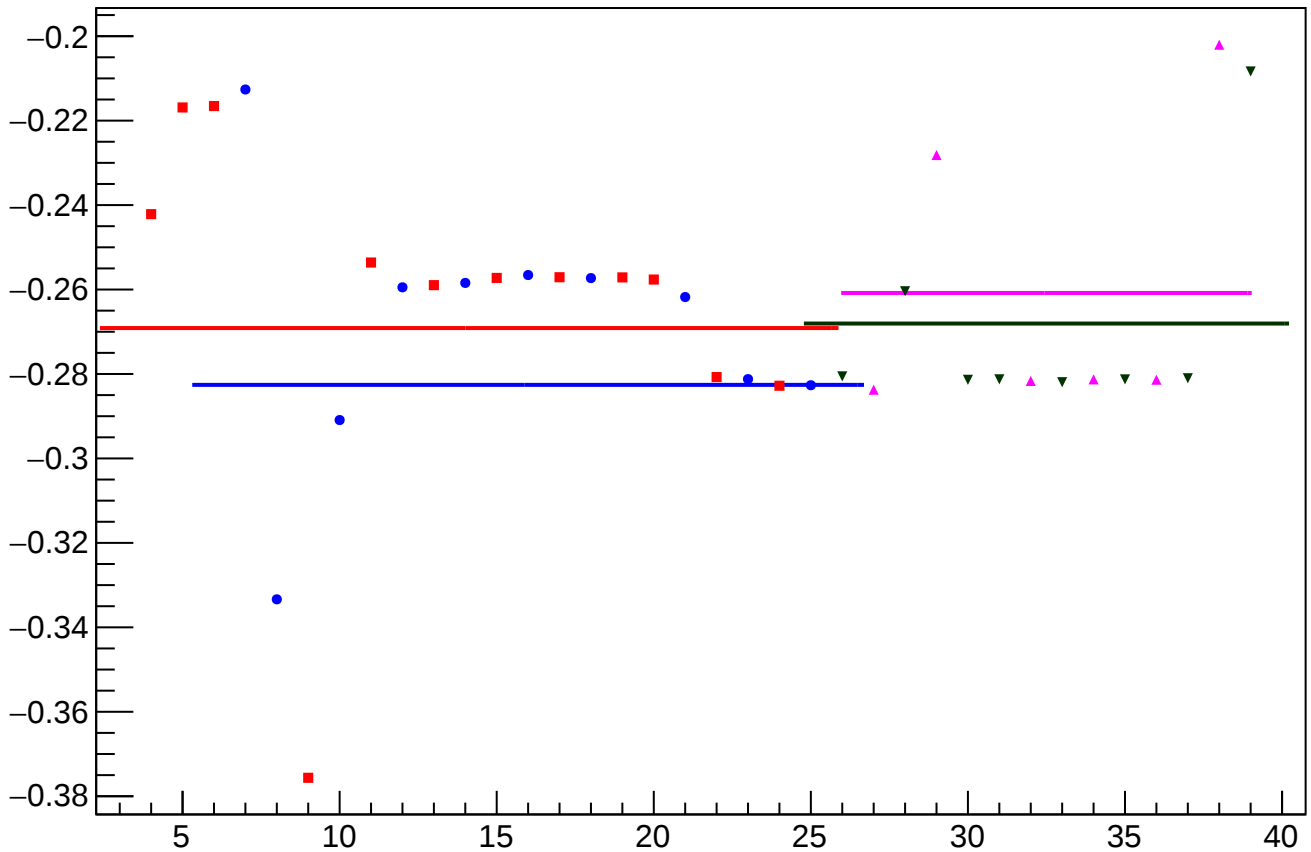
0.006+/-0.000 χ^2/NDF : 1335038.6/17

Right Out: 0.005+/-0.000 χ^2/NDF : 1206788.4/11

0.005+/-0.000 χ^2/NDF : 1463672.3/17

Left In: 0.005+/-0.000 χ^2/NDF : 256883.5/5

yield_bpm16Y_mean vs slug



Right In: -0.283+/-0.000 χ^2/NDF : 1067042959.0/9

Left Out: -0.268+/-0.000 χ^2/NDF : 312030705.8/7

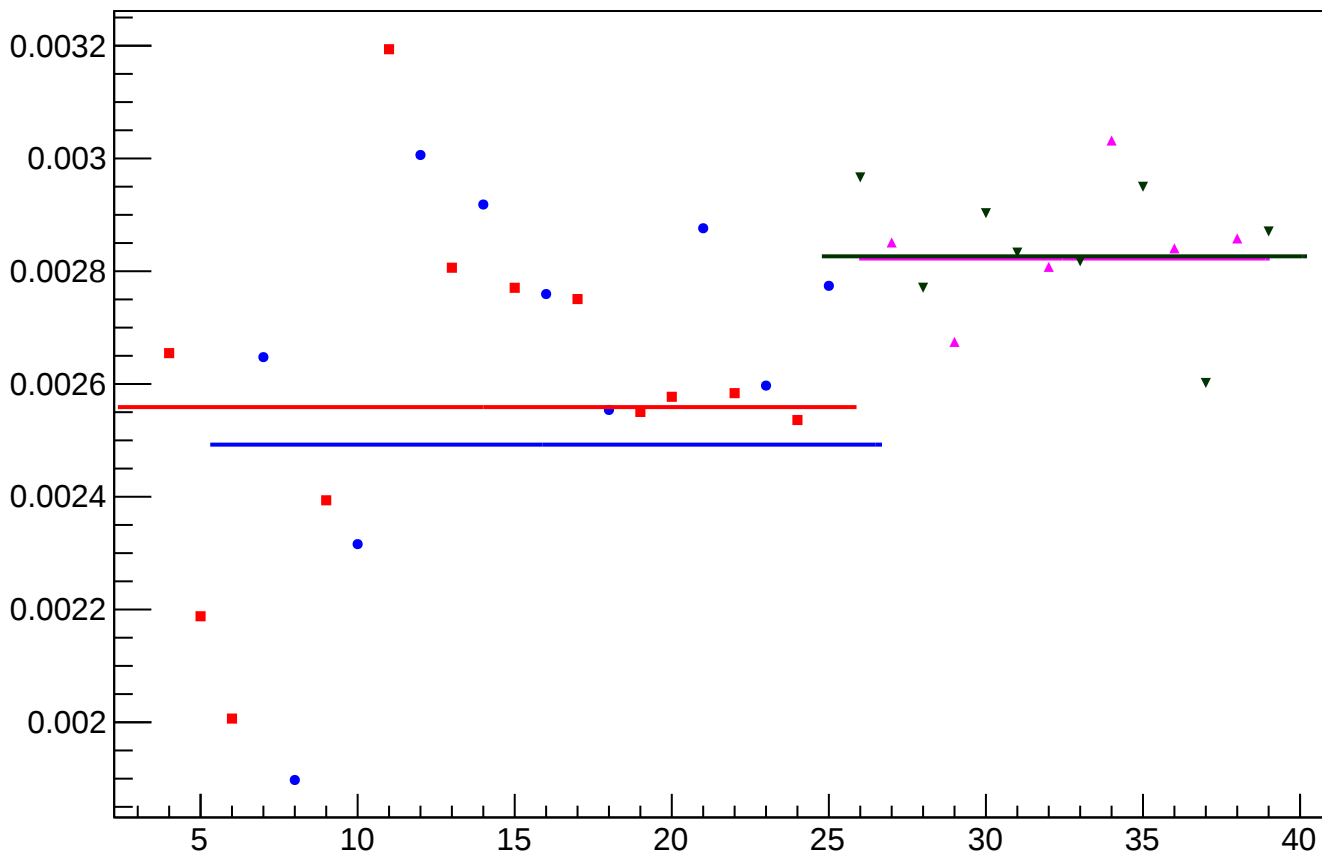
-0.278+/-0.000 χ^2/NDF : 1449999692.6/17

Right Out: -0.269+/-0.000 χ^2/NDF : 1935701786.6/11

-0.266+/-0.000 χ^2/NDF : 2429746682.3/17

Left In: -0.261+/-0.000 χ^2/NDF : 471736878.1/5

yield_bpm16Y_rms vs slug



Right In: 0.002+/-0.000 χ^2/NDF : 304066.1/9

Left Out: 0.003+/-0.000 χ^2/NDF :13371.9/7

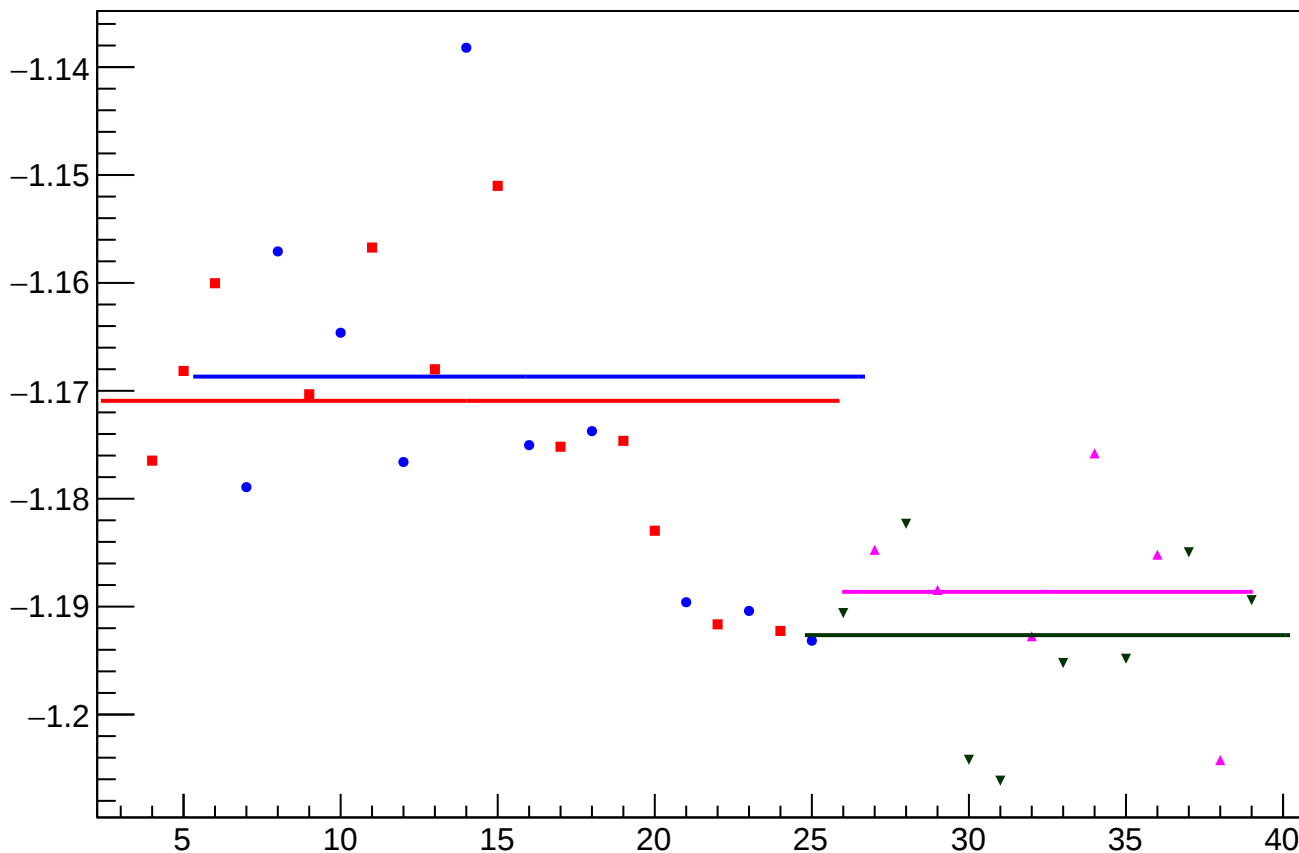
Right Out: 0.003+/-0.000 χ^2/NDF : 176456.4/11

Left In: 0.003+/-0.000 χ^2/NDF :9835.2/5

0.003+/-0.000 χ^2/NDF : 392459.6/17

0.003+/-0.000 χ^2/NDF : 231122.7/17

yield_bpm2i01X_mean vs slug



Right In: -1.169+/-0.000 χ^2/NDF : 35531757.4/9

Left Out: -1.193+/-0.000 χ^2/NDF : 4129920.4/7

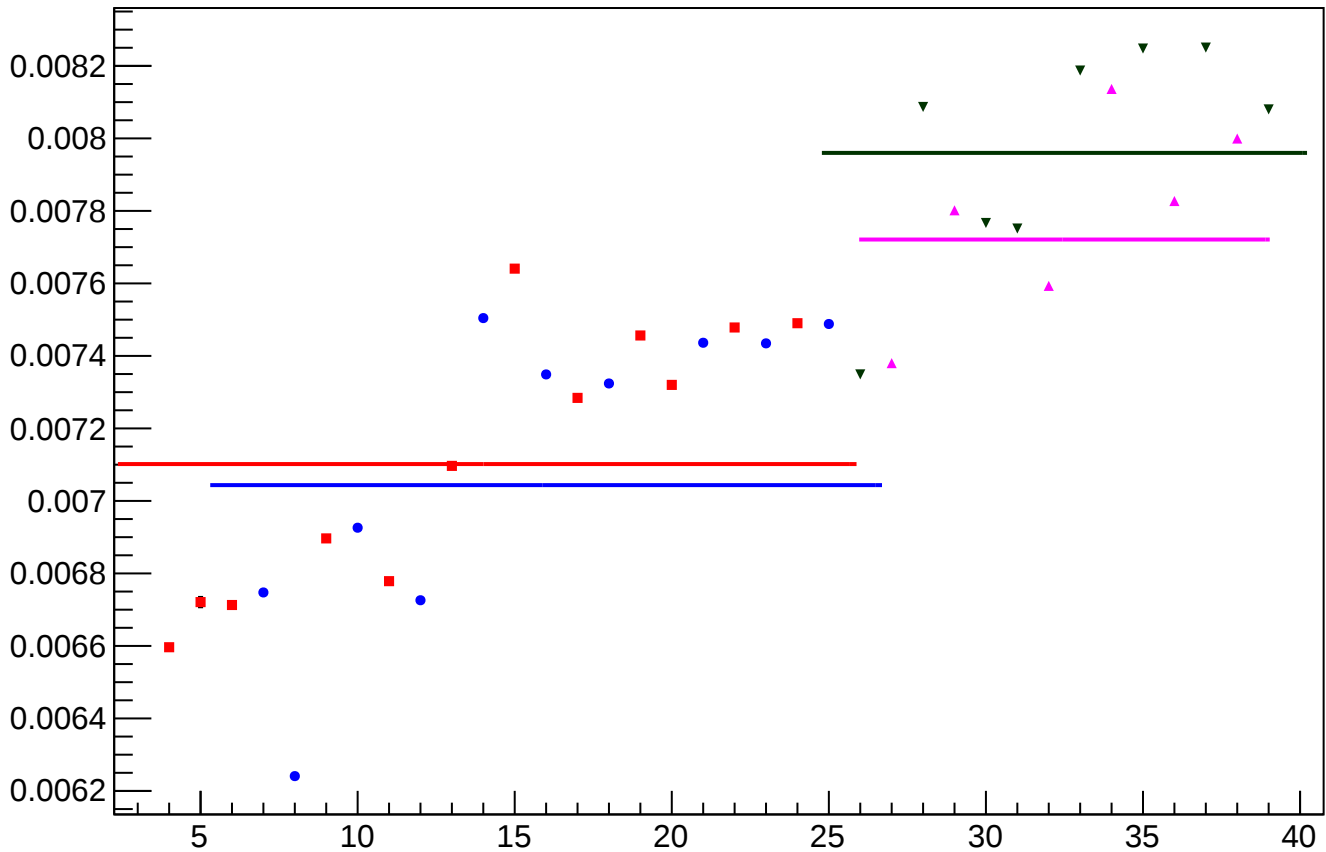
Right Out: -1.171+/-0.000 χ^2/NDF : 18815971.2/11

Left In: -1.189+/-0.000 χ^2/NDF : 3719909.9/5

-1.177+/-0.000 χ^2/NDF : 64954196.5/17

-1.177+/-0.000 χ^2/NDF : 36338237.0/17

yield_bpm2i01X_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 54602.2/9

Left Out: 0.008+/-0.000 χ^2/NDF :11942.2/7

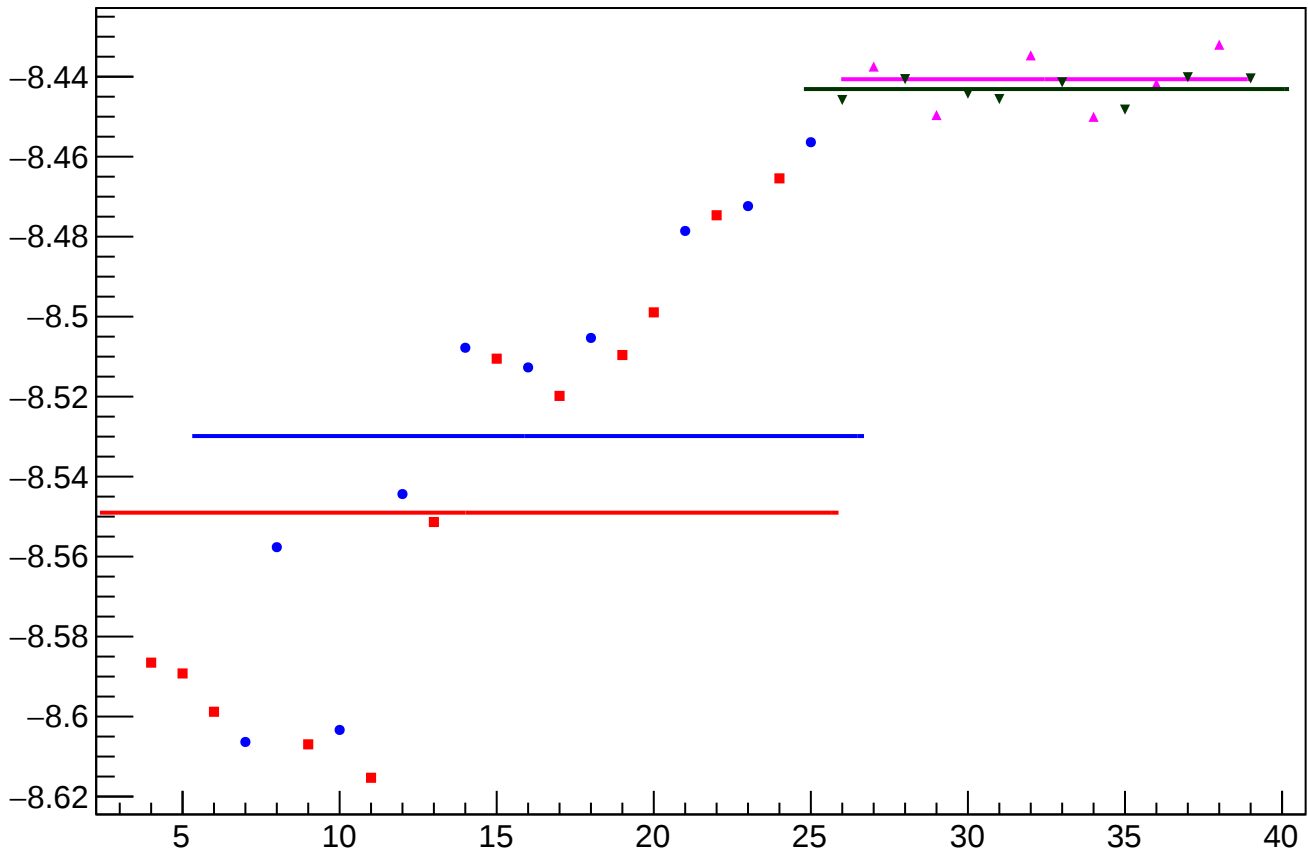
Right Out: 0.007+/-0.000 χ^2/NDF : 27872.8/11

Left In: 0.008+/-0.000 χ^2/NDF :8233.4/5

0.007+/-0.000 χ^2/NDF : 140545.5/17

0.007+/-0.000 χ^2/NDF : 69900.7/17

yield_bpm2i01Y_mean vs slug



Right In: -8.530+/-0.000 χ^2/NDF : 280483187.5/9

Left Out: -8.443+/-0.000 χ^2/NDF : 699524.6/7

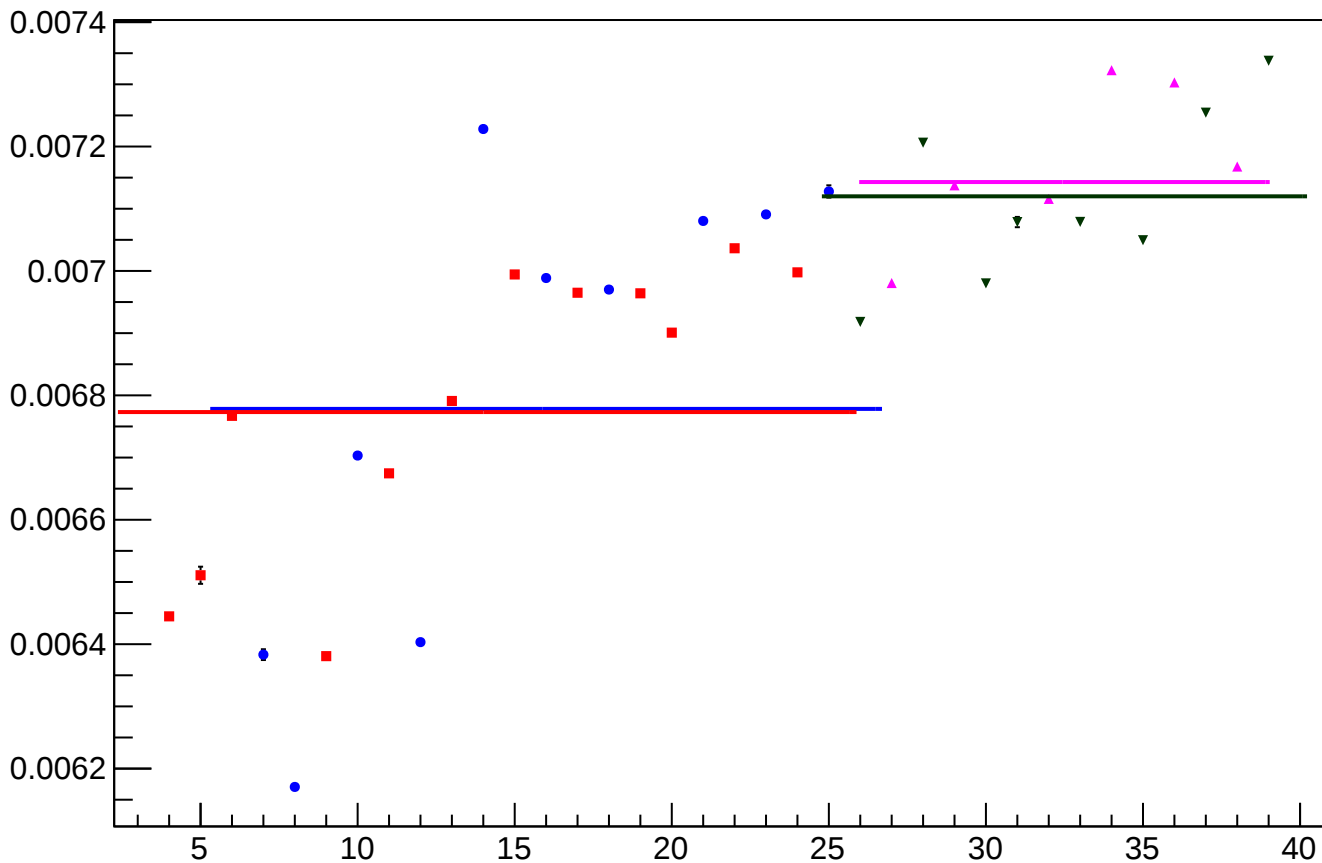
-8.497+/-0.000 χ^2/NDF : 679777329.3/17

Right Out: -8.549+/-0.000 χ^2/NDF : 379238014.1/11

-8.509+/-0.000 χ^2/NDF : 982131519.1/17

Left In: -8.441+/-0.000 χ^2/NDF : 3729885.4/5

yield_bpm2i01Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 39850.7/9

Left Out: 0.007+/-0.000 χ^2/NDF : 3121.0/7

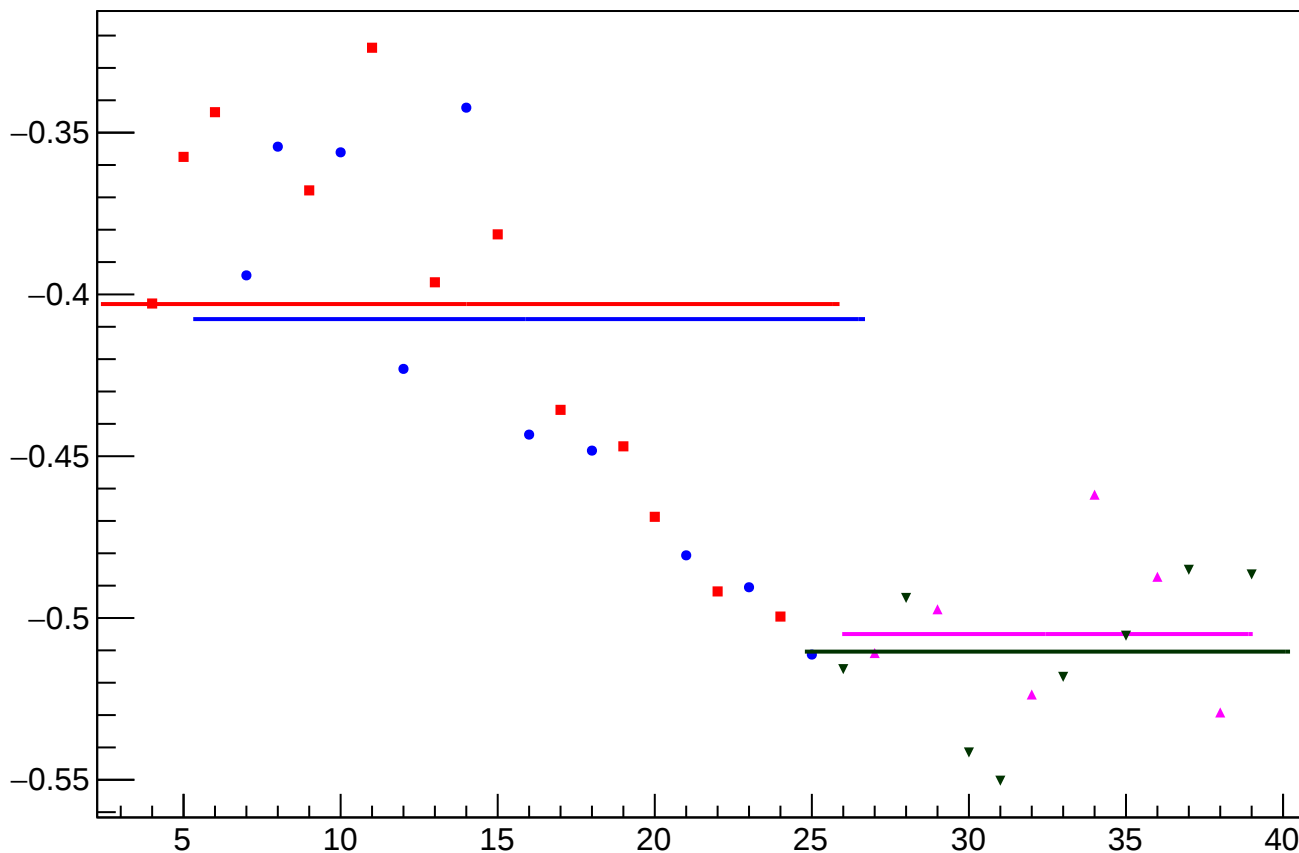
Right Out: 0.007+/-0.000 χ^2/NDF : 13957.5/11

Left In: 0.007+/-0.000 χ^2/NDF : 2045.8/5

0.007+/-0.000 χ^2/NDF : 55336.1/17

0.007+/-0.000 χ^2/NDF : 29950.1/17

yield_bpm2i02X_mean vs slug



Right In: -0.408+/-0.000 χ^2/NDF : 64975353.4/9

Left Out: -0.510+/-0.000 χ^2/NDF : 5122829.9/7

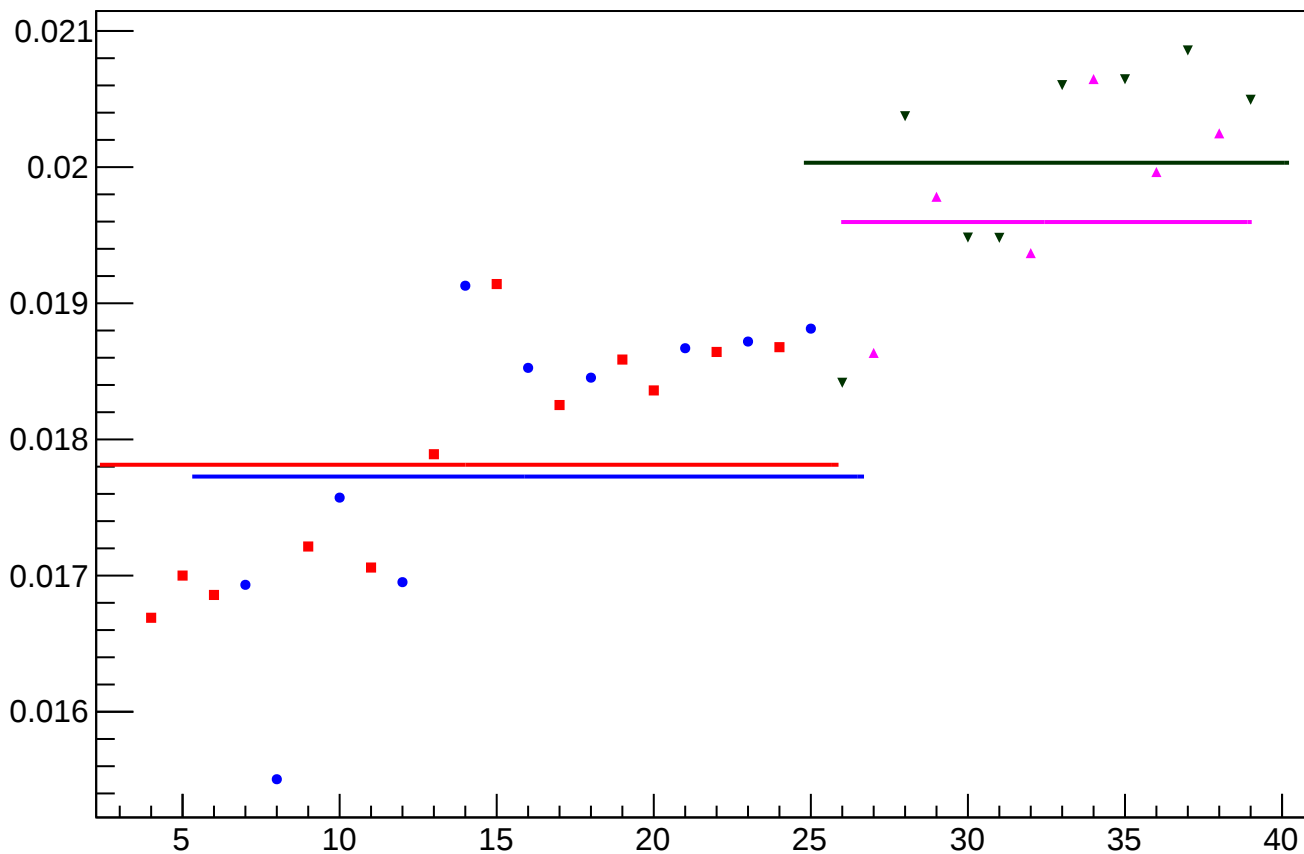
Right Out: -0.403+/-0.000 χ^2/NDF : 62429358.0/11

Left In: -0.505+/-0.000 χ^2/NDF : 4286585.0/5

-0.443+/-0.000 χ^2/NDF : 143658447.0/17

-0.438+/-0.000 χ^2/NDF : 138513059.0/17

yield_bpm2i02X_rms vs slug



Right In: 0.018+/-0.000 χ^2/NDF : 64790.3/9

Left Out: 0.020+/-0.000 χ^2/NDF :13375.8/7

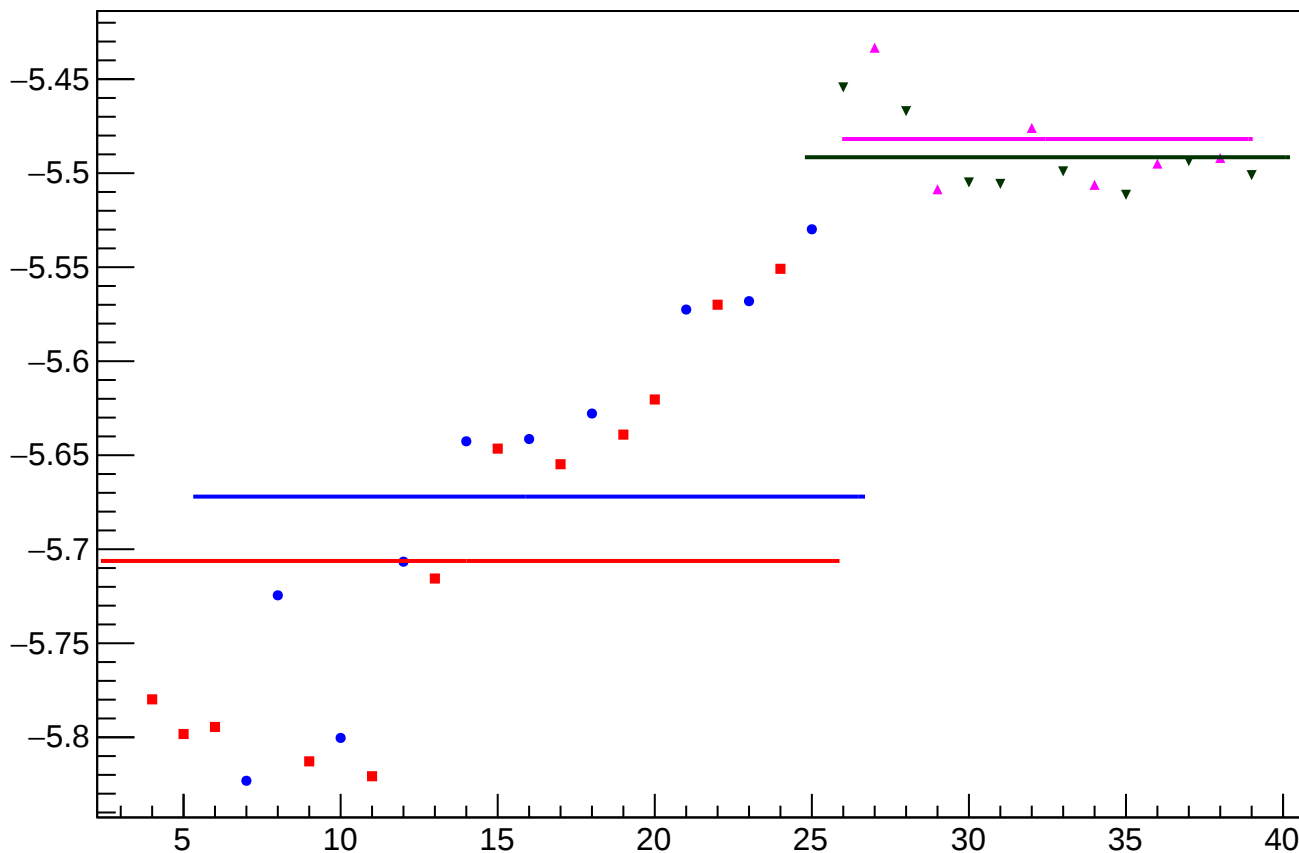
0.019+/-0.000 χ^2/NDF : 152172.5/17

Right Out: 0.018+/-0.000 χ^2/NDF : 24742.8/11

0.018+/-0.000 χ^2/NDF : 77415.0/17

Left In: 0.020+/-0.000 χ^2/NDF :8795.3/5

yield_bpm2i02Y_mean vs slug



Right In: -5.672+/-0.000 χ^2/NDF : 307961378.2/9

Left Out: -5.492+/-0.000 χ^2/NDF : 10916343.9/7

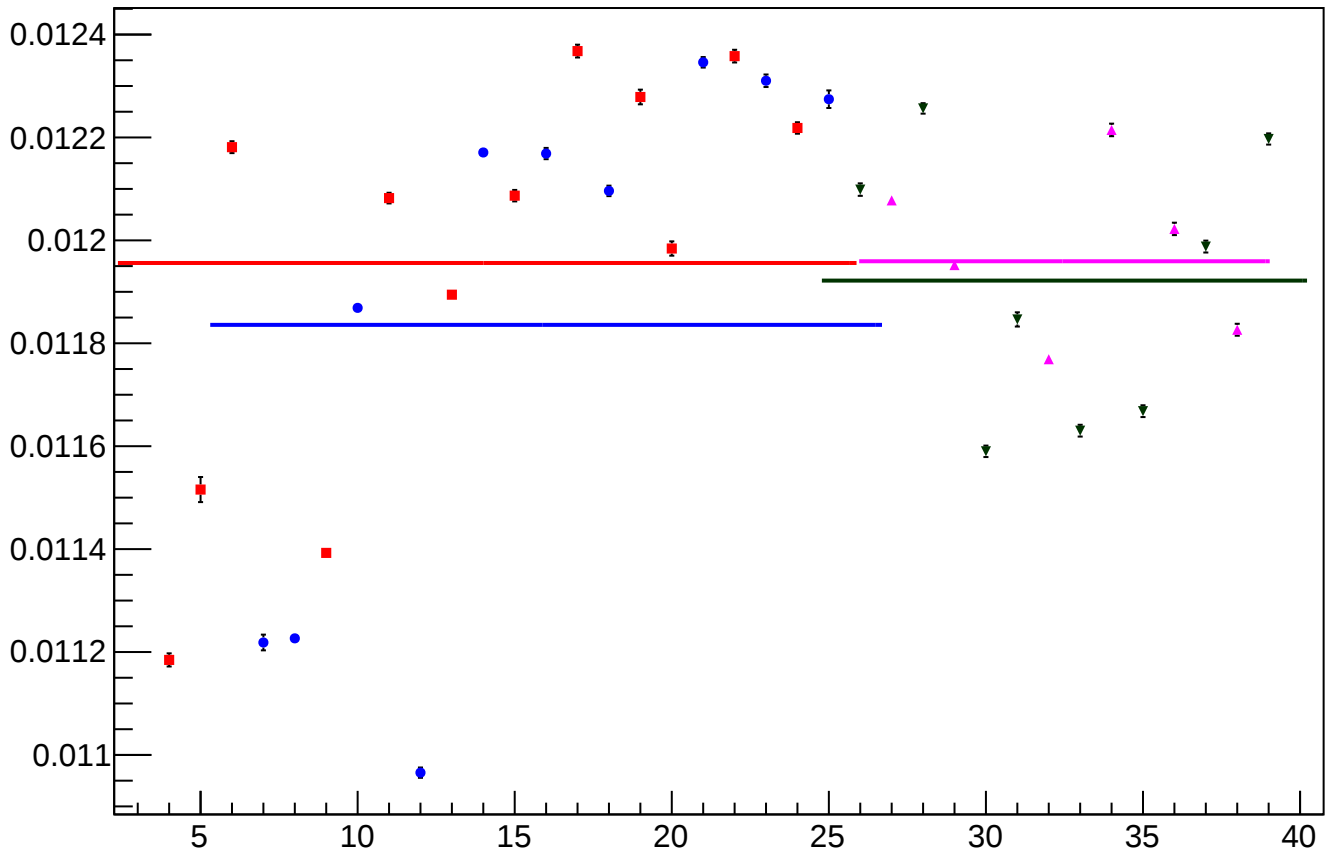
Right Out: -5.706+/-0.000 χ^2/NDF : 393392324.7/11

Left In: -5.482+/-0.000 χ^2/NDF : 21239980.9/5

-5.600+/-0.000 χ^2/NDF : 913968699.8/17

-5.618+/-0.000 χ^2/NDF : 1293321272.5/17

yield_bpm2i02Y_rms vs slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 22267.5/9

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:4008.2/7

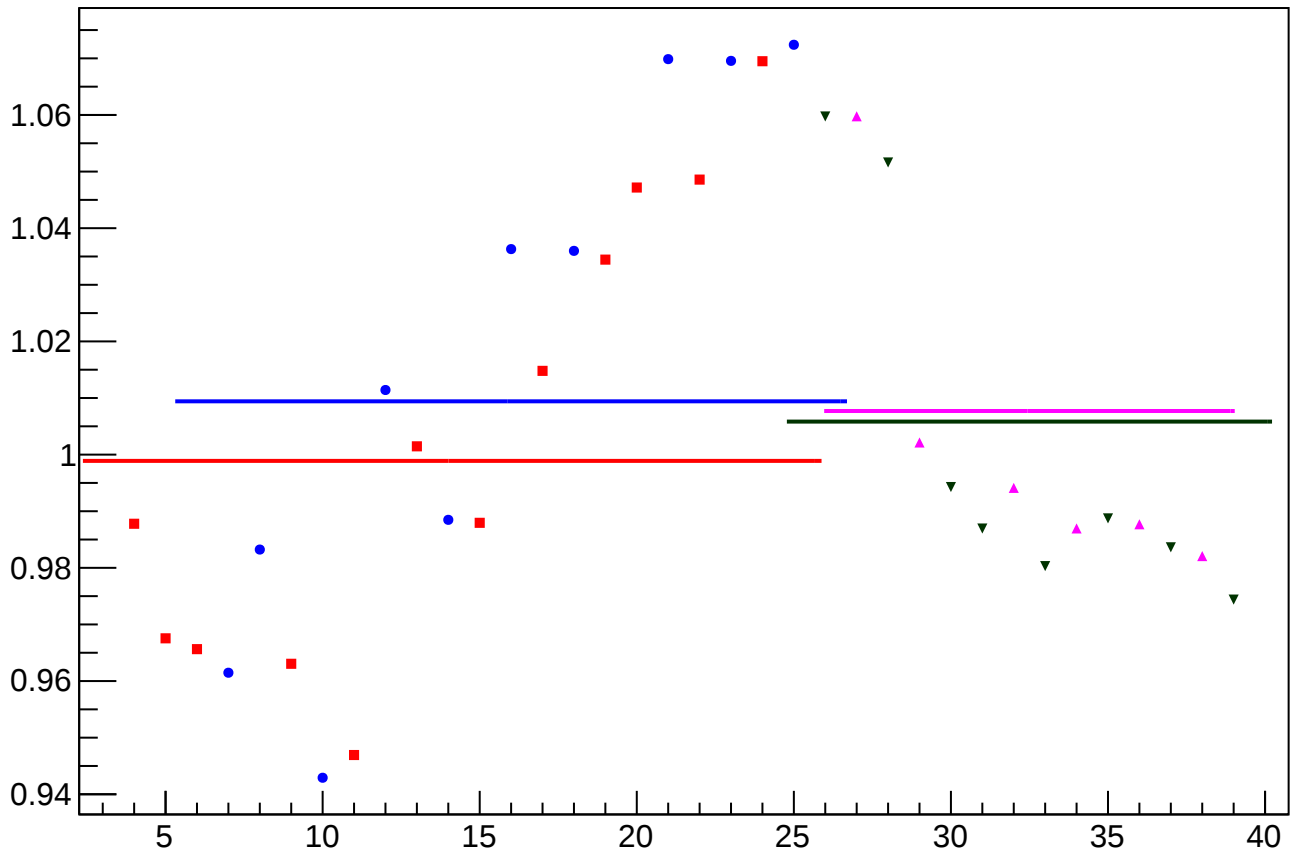
Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 11709.7/11

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:1227.2/5

0.012 $\pm$ 0.000 χ^2 /NDF: 26546.1/17

0.012 $\pm$ 0.000 χ^2 /NDF: 12937.2/17

yield_bpm1i04X_mean vs slug



Right In: 1.009+/-0.000 χ^2/NDF : 182212338.7/9

Left Out: 1.006+/-0.000 χ^2/NDF : 85815741.0/7

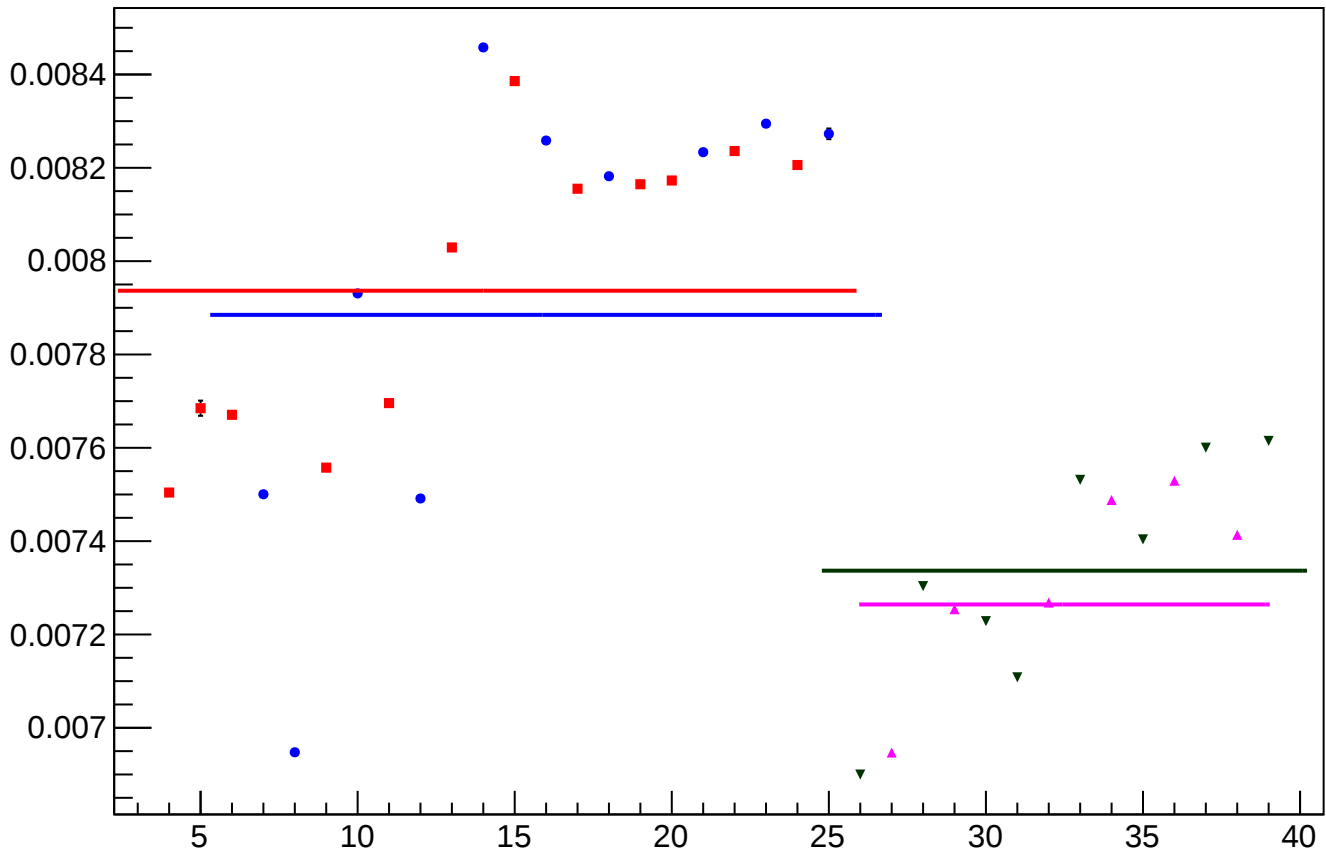
1.008+/-0.000 χ^2/NDF : 268602474.6/17

Right Out: 0.999+/-0.000 χ^2/NDF : 147584109.7/11

1.003+/-0.000 χ^2/NDF : 214973030.8/17

Left In: 1.008+/-0.000 χ^2/NDF : 64006574.4/5

yield_bpm1i04X_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 57917.9/9

Left Out: 0.007+/-0.000 χ^2/NDF : 8626.2/7

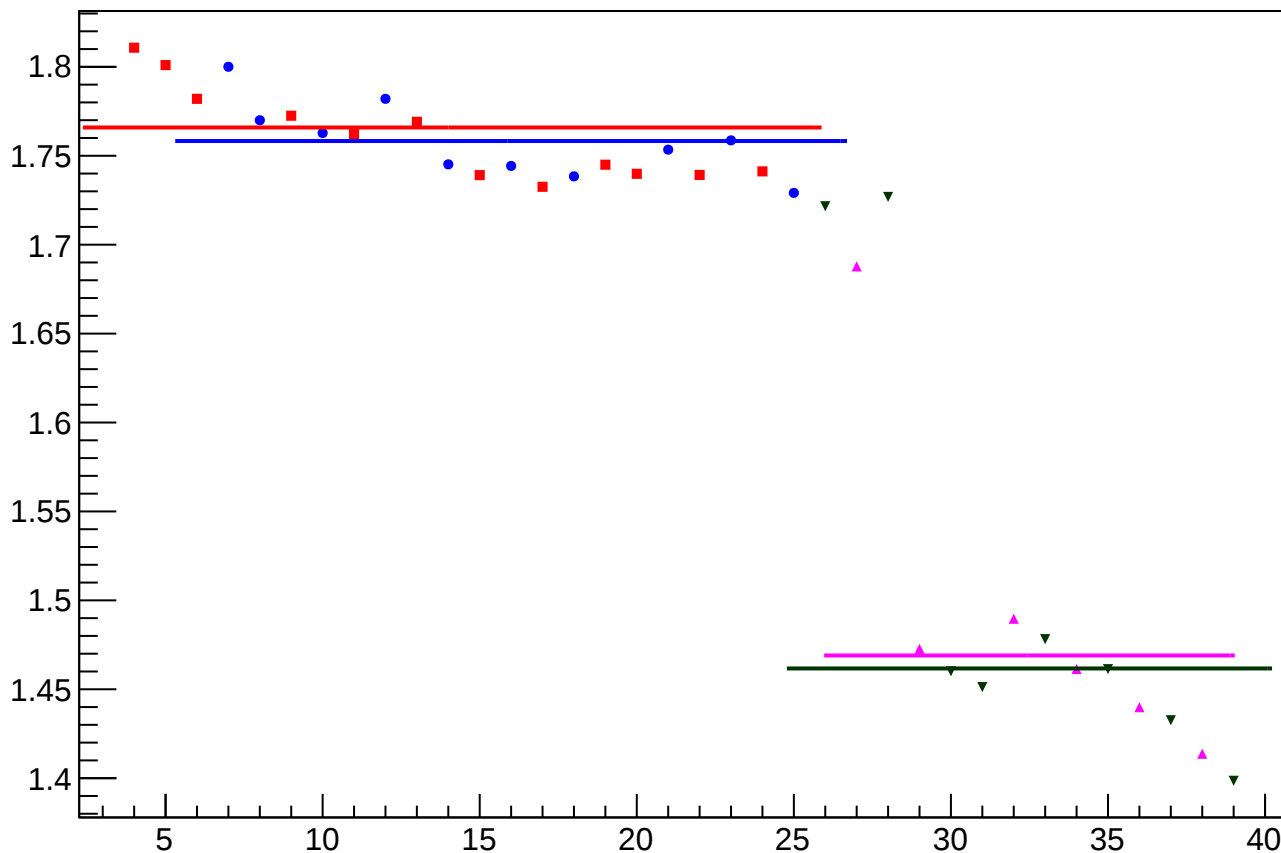
Right Out: 0.008+/-0.000 χ^2/NDF : 17438.8/11

Left In: 0.007+/-0.000 χ^2/NDF : 6004.7/5

0.008+/-0.000 χ^2/NDF : 93464.8/17

0.008+/-0.000 χ^2/NDF : 62831.6/17

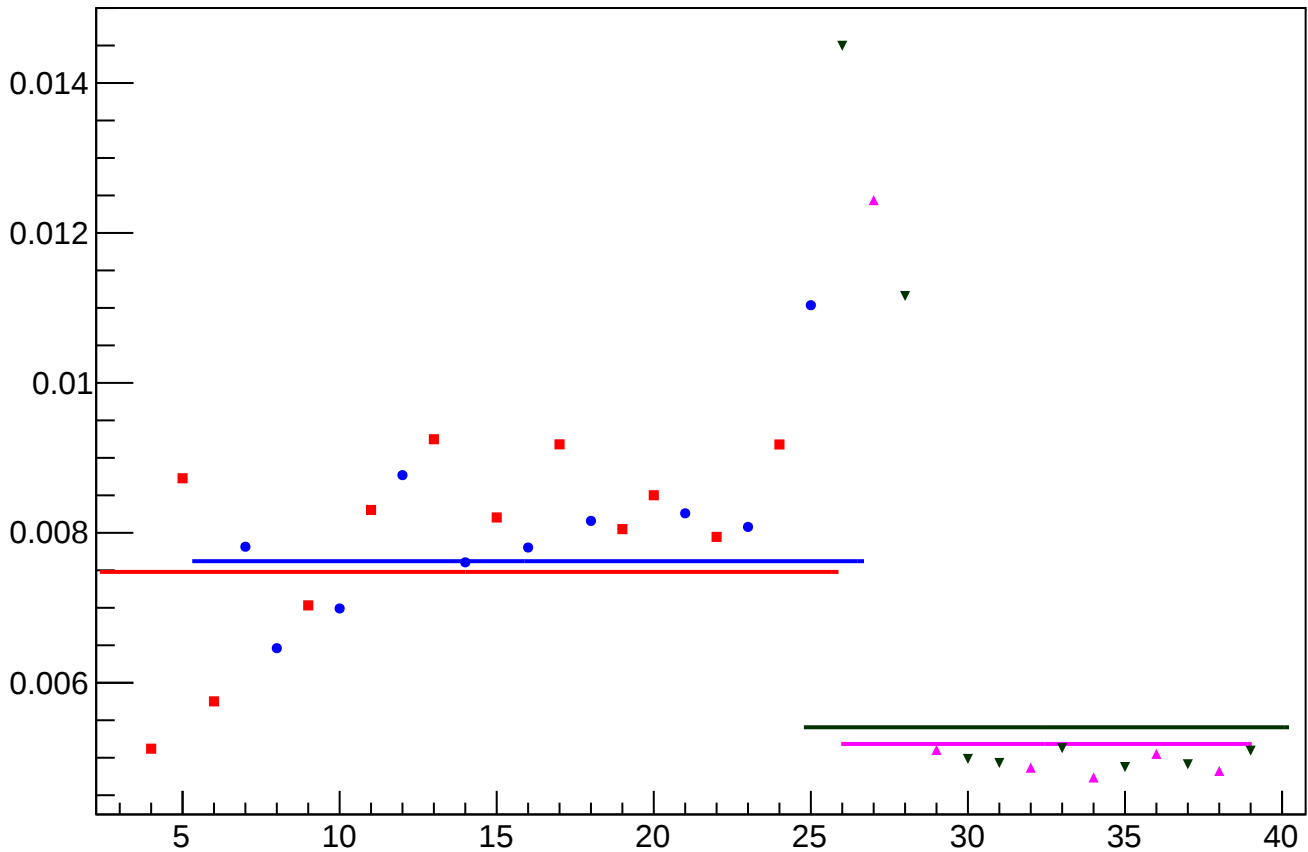
yield_bpm1i04Y_mean vs slug



Right In: 1.758+/-0.000 χ^2/NDF : 25411176.0/9
 Left Out: 1.462+/-0.000 χ^2/NDF : 624453588.8/7
 Right Out: 1.766+/-0.000 χ^2/NDF : 62233931.0/11
 Left In: 1.469+/-0.000 χ^2/NDF : 321389852.0/5

1.595+/-0.000 χ^2/NDF : 5658865830.4/17
 1.600+/-0.000 χ^2/NDF : 5552892737.8/17

yield_bpm1i04Y_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 152458.9/9

Left Out: 0.005+/-0.000 χ^2/NDF : 752778.7/7

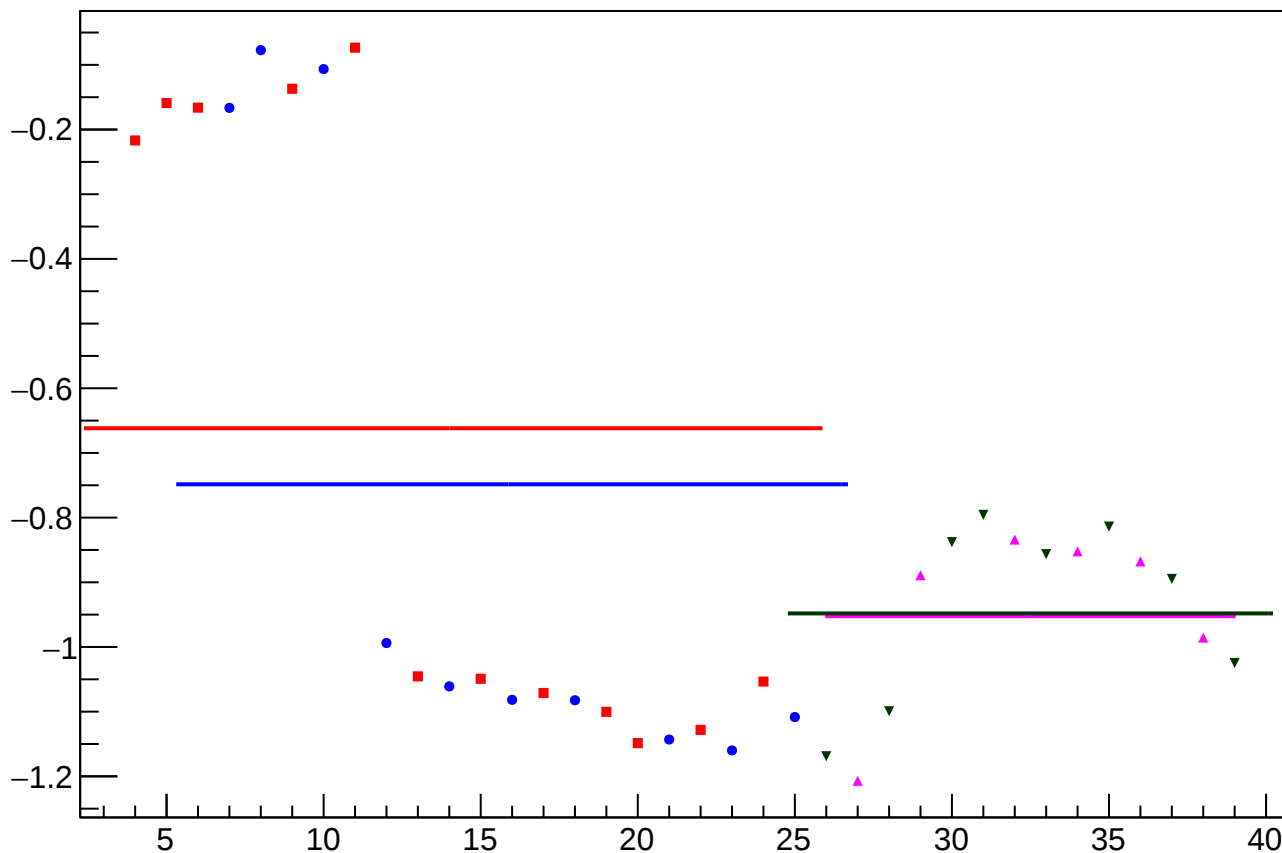
Right Out: 0.007+/-0.000 χ^2/NDF : 437086.3/11

Left In: 0.005+/-0.000 χ^2/NDF : 512514.2/5

0.006+/-0.000 χ^2/NDF : 1464198.1/17

0.006+/-0.000 χ^2/NDF : 1567166.4/17

yield_bpm0l01X_mean vs slug



Right In: -0.748 ± 0.000 $\chi^2/\text{NDF}: 17438936914.1/9$

Left Out: -0.948 ± 0.000 $\chi^2/\text{NDF}: 970498399.5/7$

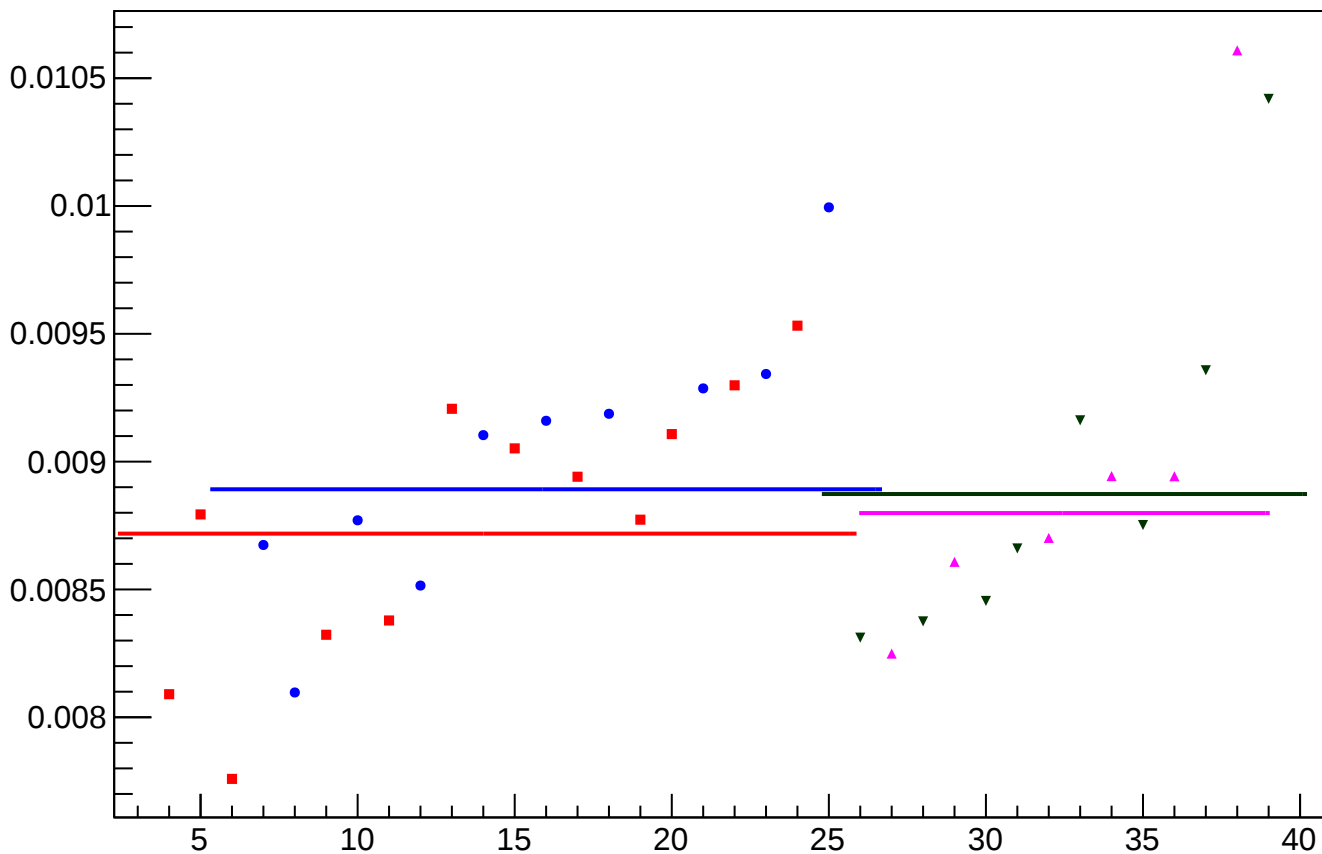
Right Out: -0.662 ± 0.000 $\chi^2/\text{NDF}: 17756149128.0/11$

Left In: -0.952 ± 0.000 $\chi^2/\text{NDF}: 1104945708.5/5$

-0.828 ± 0.000 $\chi^2/\text{NDF}: 19673397002.5/17$

-0.775 ± 0.000 $\chi^2/\text{NDF}: 21538821694.4/17$

yield_bpm0l01X_rms vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 34334.5/9

Left Out: 0.009+/-0.000 χ^2/NDF : 42903.3/7

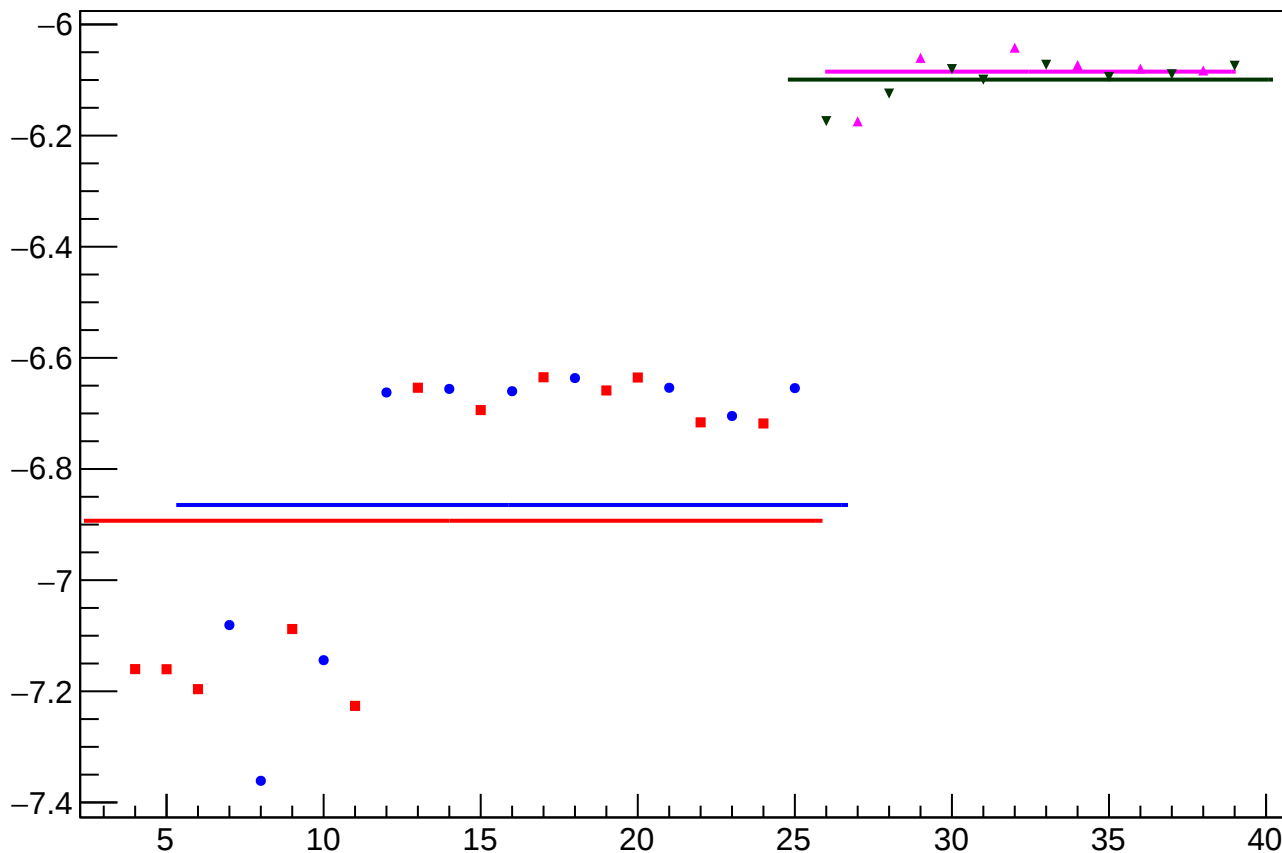
Right Out: 0.009+/-0.000 χ^2/NDF : 47651.1/11

Left In: 0.009+/-0.000 χ^2/NDF : 38489.8/5

0.009+/-0.000 χ^2/NDF : 77259.7/17

0.009+/-0.000 χ^2/NDF : 86551.4/17

yield_bpm0l01Y_mean vs slug



Right In: -6.865+/-0.000 χ^2/NDF : 6618589018.0/9

Left Out: -6.099+/-0.000 χ^2/NDF : 41266892.7/7

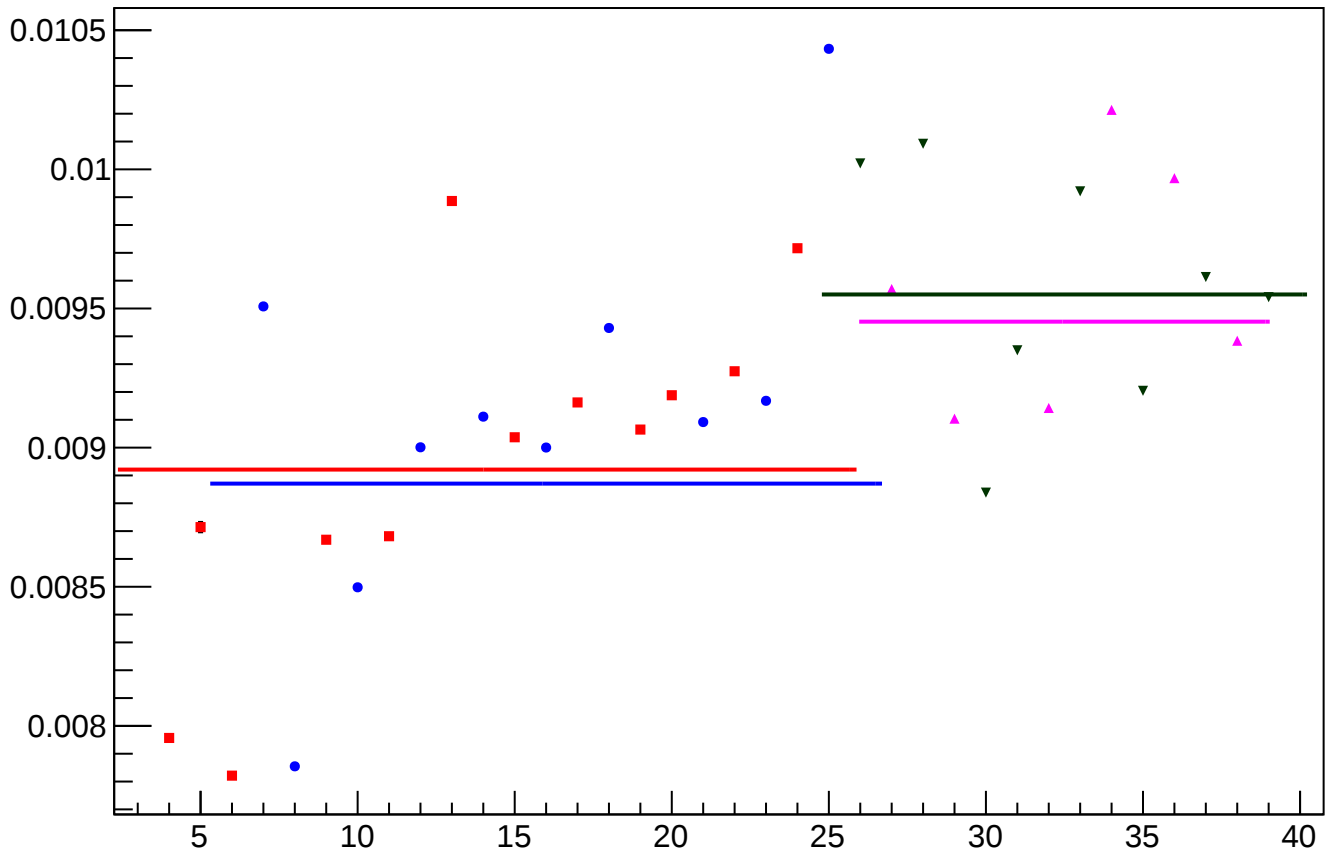
Right Out: -6.893+/-0.000 χ^2/NDF : 4705739160.1/11

Left In: -6.085+/-0.000 χ^2/NDF : 97028358.7/5

-6.588+/-0.000 χ^2/NDF : 23483204300.2/17

-6.596+/-0.000 χ^2/NDF : 23191917507.5/17

yield_bpm0l01Y_rms vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 53944.1/9

Left Out: 0.010+/-0.000 χ^2/NDF : 15761.2/7

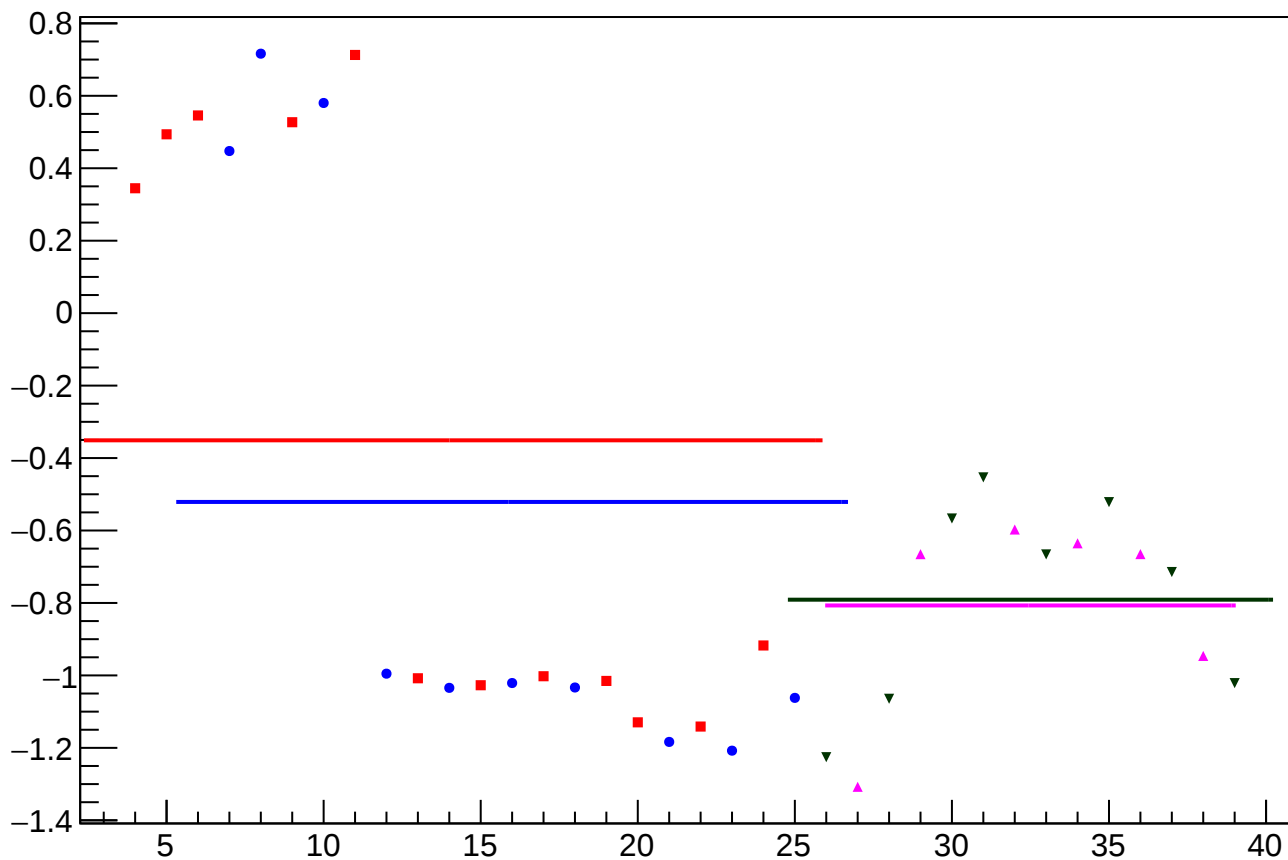
Right Out: 0.009+/-0.000 χ^2/NDF : 61199.2/11

Left In: 0.009+/-0.000 χ^2/NDF : 12732.2/5

0.009+/-0.000 χ^2/NDF : 96237.3/17

0.009+/-0.000 χ^2/NDF : 89841.8/17

yield_bpm0l02X_mean vs slug



Right In: -0.521+/-0.000 χ^2/NDF : 9220973673.4/9

Left Out: -0.791+/-0.000 χ^2/NDF : 903872912.6/7

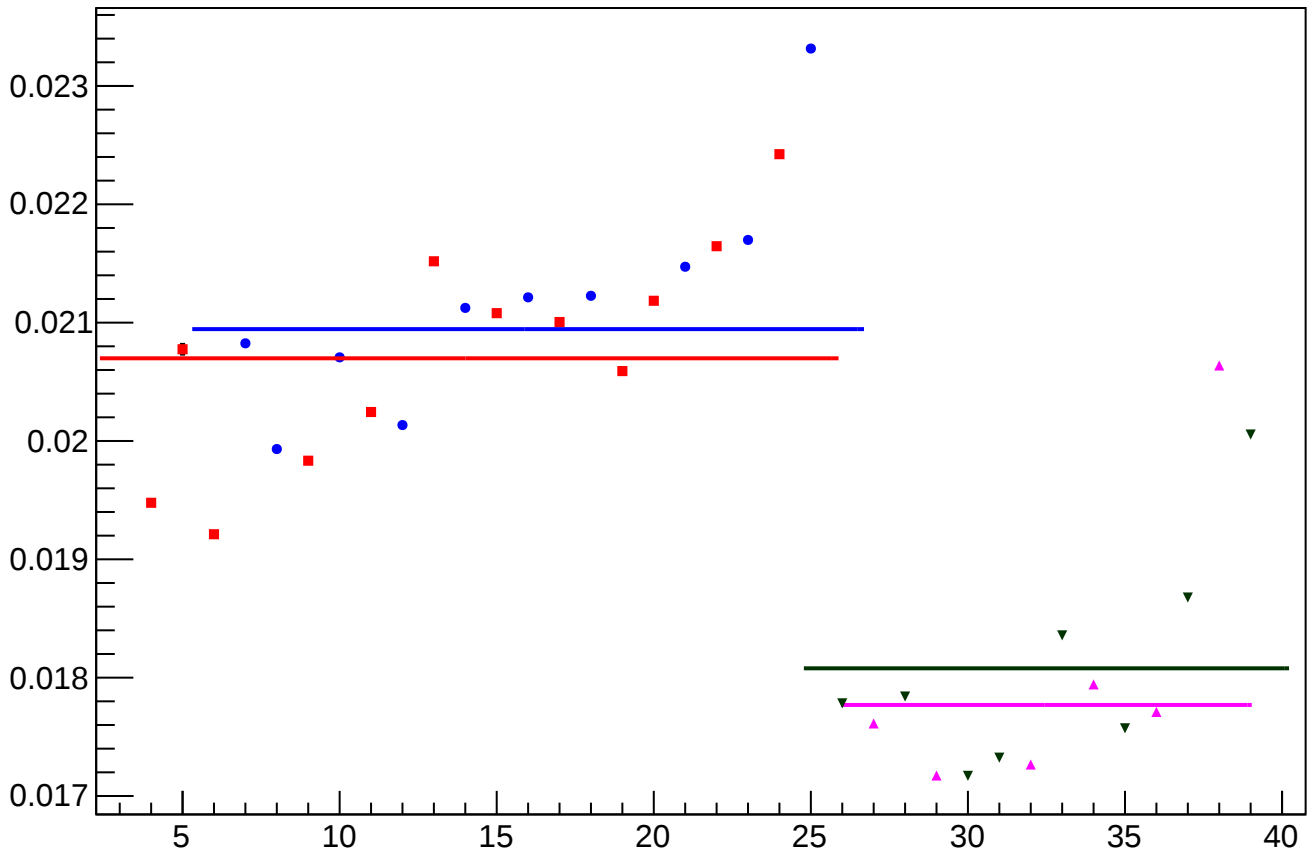
Right Out: -0.351+/-0.000 χ^2/NDF : 8987357685.6/11

Left In: -0.807+/-0.000 χ^2/NDF : 958924764.4/5

-0.648+/-0.000 χ^2/NDF : 10619036504.0/17

-0.564+/-0.000 χ^2/NDF : 11360860679.5/17

yield_bpm0l02X_rms vs slug



Right In: 0.021+/-0.000 χ^2/NDF : 14569.8/9

Left Out: 0.018+/-0.000 χ^2/NDF : 18973.0/7

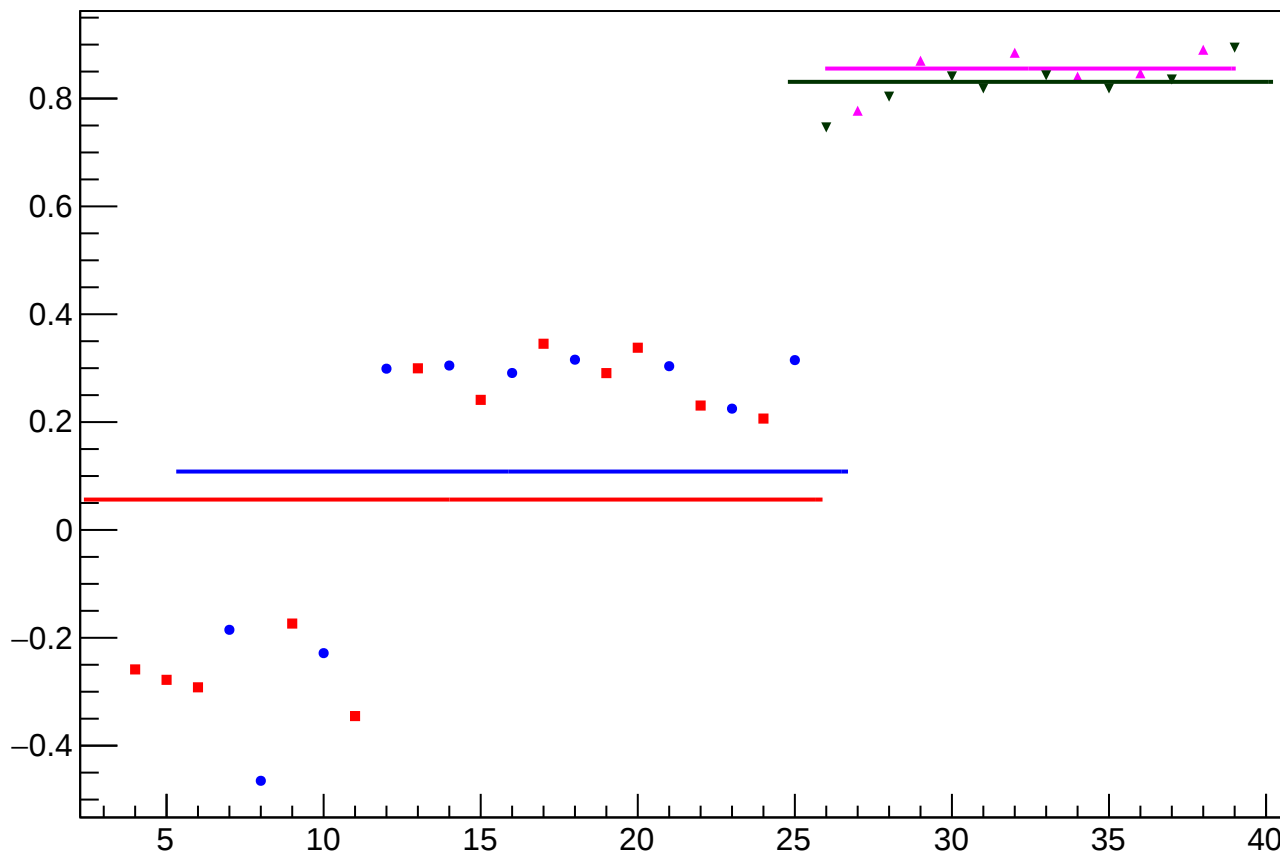
Right Out: 0.021+/-0.000 χ^2/NDF : 25534.1/11

Left In: 0.018+/-0.000 χ^2/NDF : 23457.5/5

0.020+/-0.000 χ^2/NDF : 145070.7/17

0.019+/-0.000 χ^2/NDF : 165828.2/17

yield_bpm0l02Y_mean vs slug



Right In: 0.108+/-0.000 χ^2/NDF : 3631955649.9/9

Left Out: 0.831+/-0.000 χ^2/NDF : 41606975.9/7

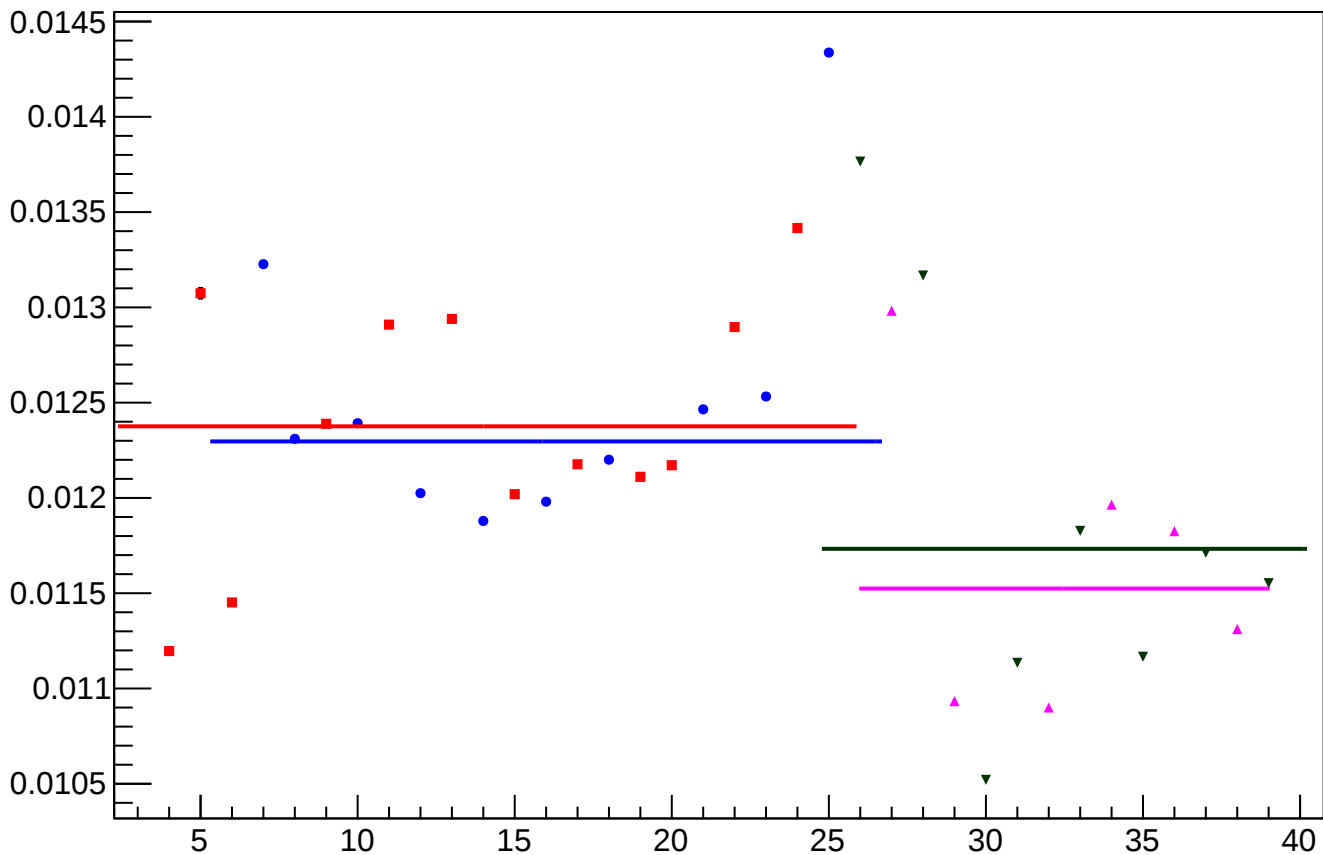
Right Out: 0.056+/-0.000 χ^2/NDF : 2963825797.0/11

Left In: 0.856+/-0.000 χ^2/NDF : 43151610.8/5

0.412+/-0.000 χ^2/NDF : 12786153416.9/17

0.399+/-0.000 χ^2/NDF : 13991924919.9/17

yield_bpm0l02Y_rms vs slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 17281.6/9

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:55524.5/7

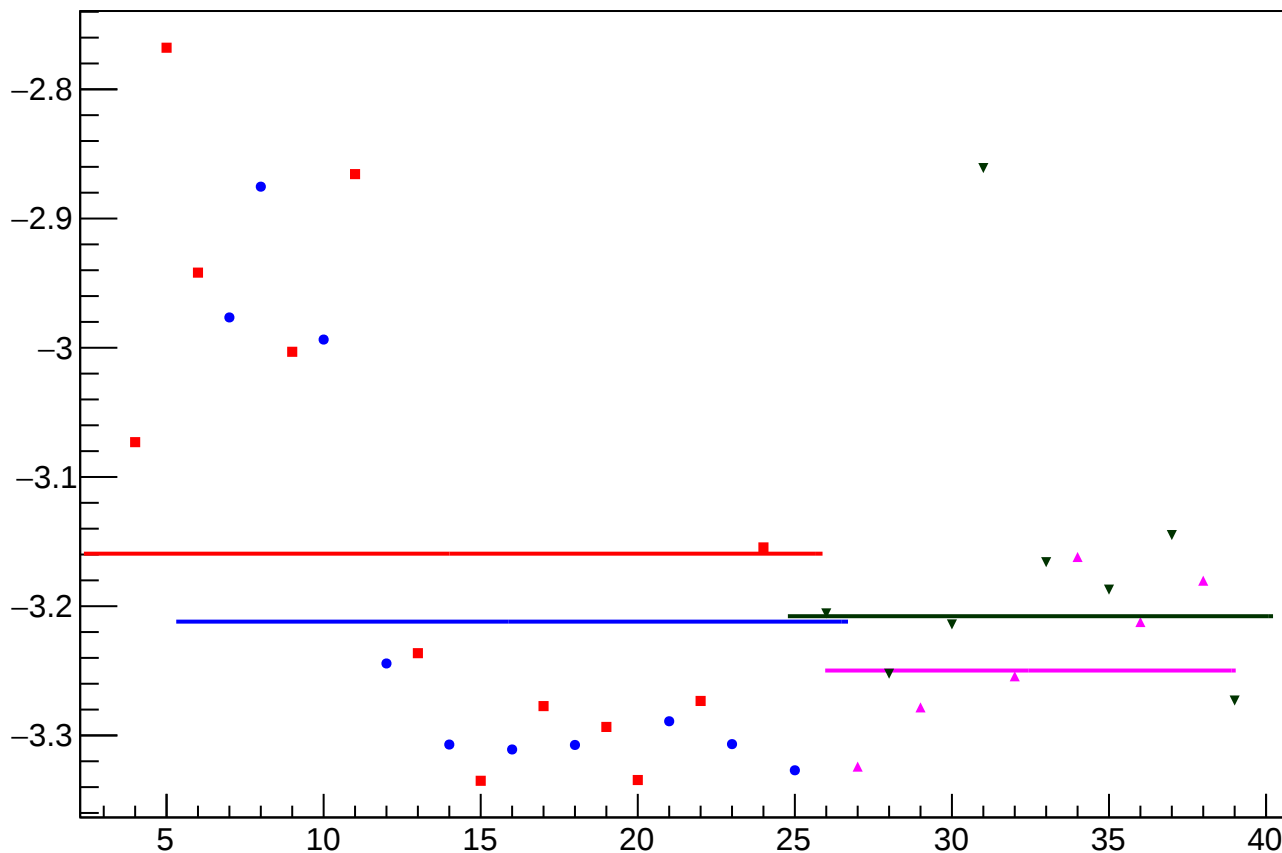
Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 31560.7/11

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:33413.7/5

0.012 $\pm$ 0.000 χ^2 /NDF: 83891.0/17

0.012 $\pm$ 0.000 χ^2 /NDF: 89912.4/17

yield_bpm0l03X_mean vs slug



Right In: -3.212+/-0.000 χ^2/NDF : 2232010531.1/9

Left Out: -3.208+/-0.000 χ^2/NDF : 317210592.3/7

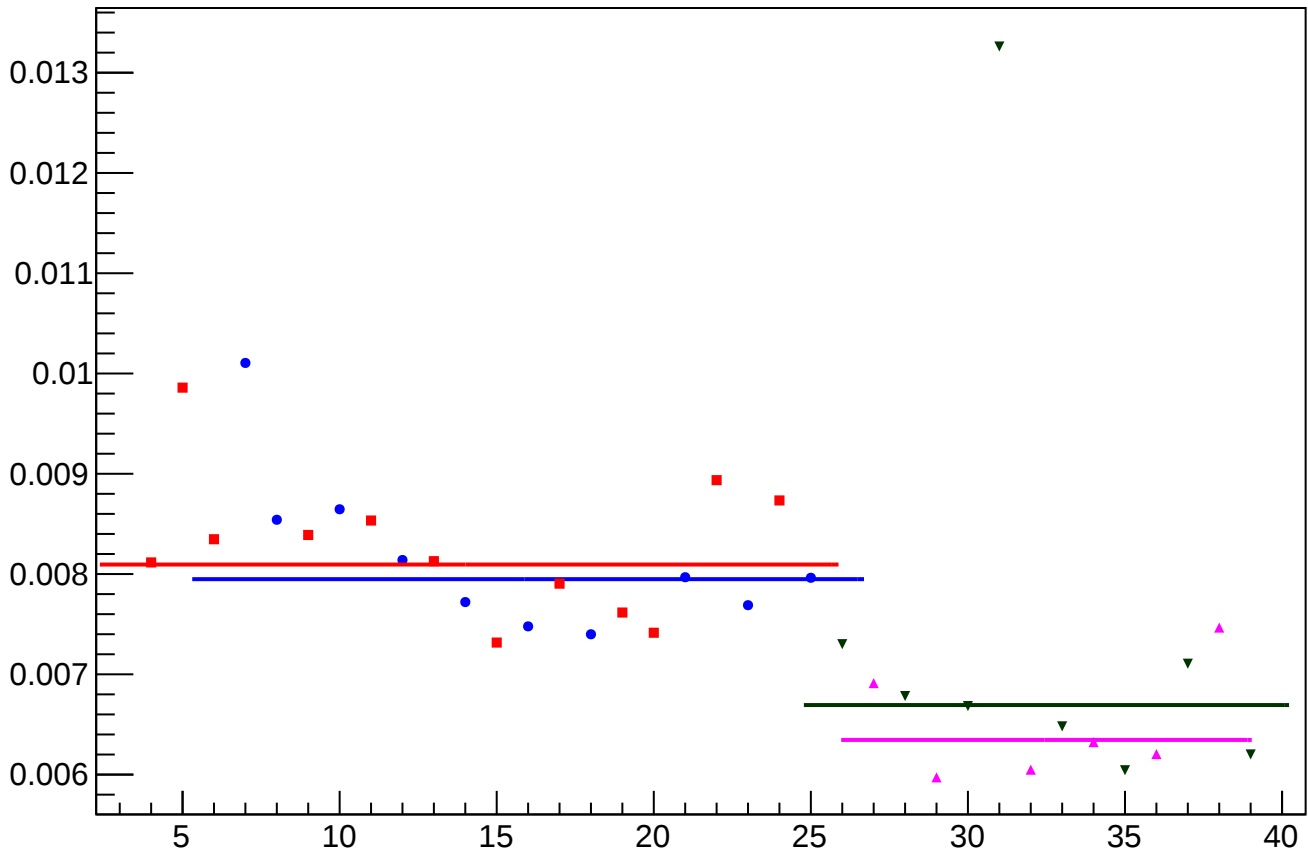
Right Out: -3.159+/-0.000 χ^2/NDF : 2193027591.1/11

Left In: -3.250+/-0.000 χ^2/NDF : 238634368.5/5

-3.210+/-0.000 χ^2/NDF : 2549935751.3/17

-3.207+/-0.000 χ^2/NDF : 2777893957.1/17

yield_bpm0l03X_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 42380.1/9

Left Out: 0.007+/-0.000 χ^2/NDF :156367.6/7

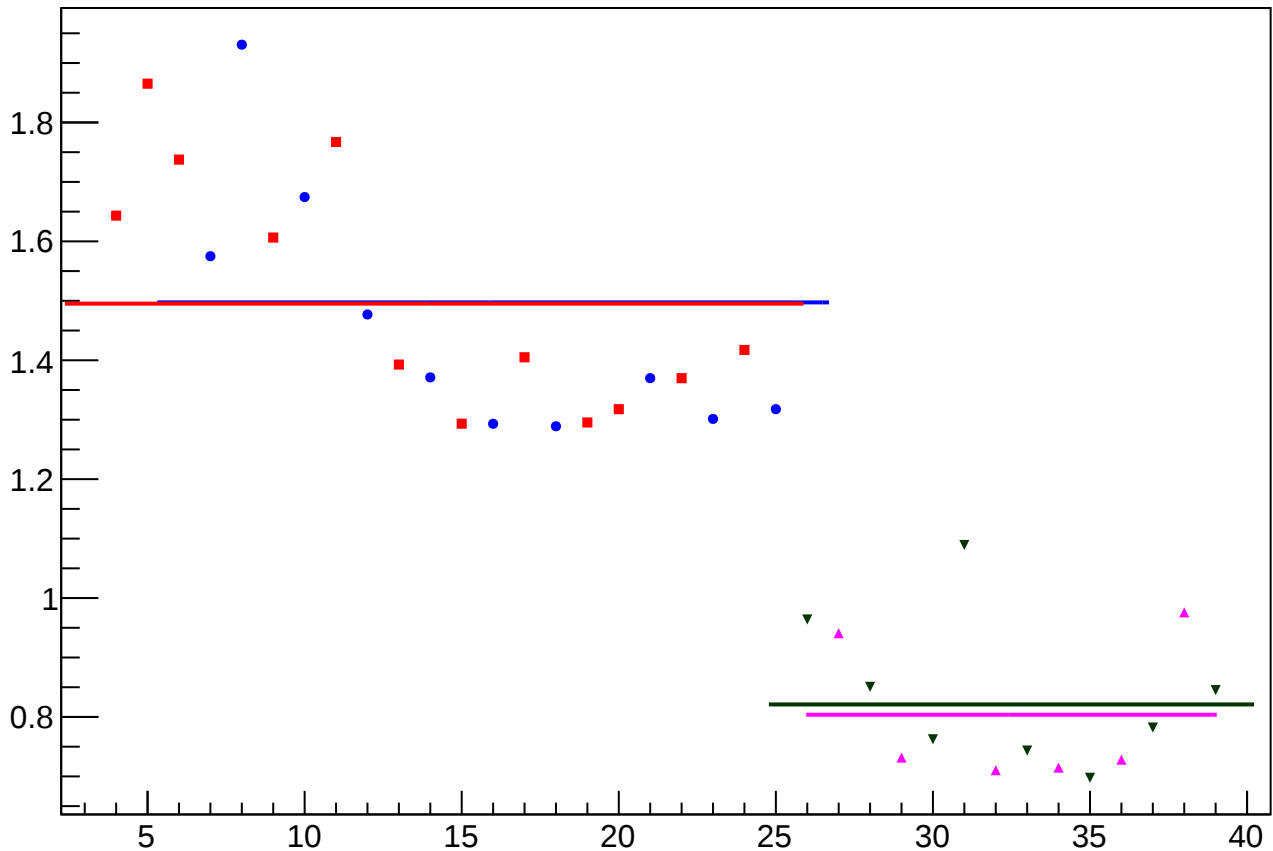
Right Out: 0.008+/-0.000 χ^2/NDF : 41566.1/11

Left In: 0.006+/-0.000 χ^2/NDF :39297.2/5

0.007+/-0.000 χ^2/NDF : 326984.6/17

0.007+/-0.000 χ^2/NDF : 339899.9/17

yield_bpm0l03Y_mean vs slug



Right In: 1.497 $\pm$ 0.000 χ^2/NDF : 5019721758.5/9

Left Out: 0.821 $\pm$ 0.000 χ^2/NDF : 340148426.5/7

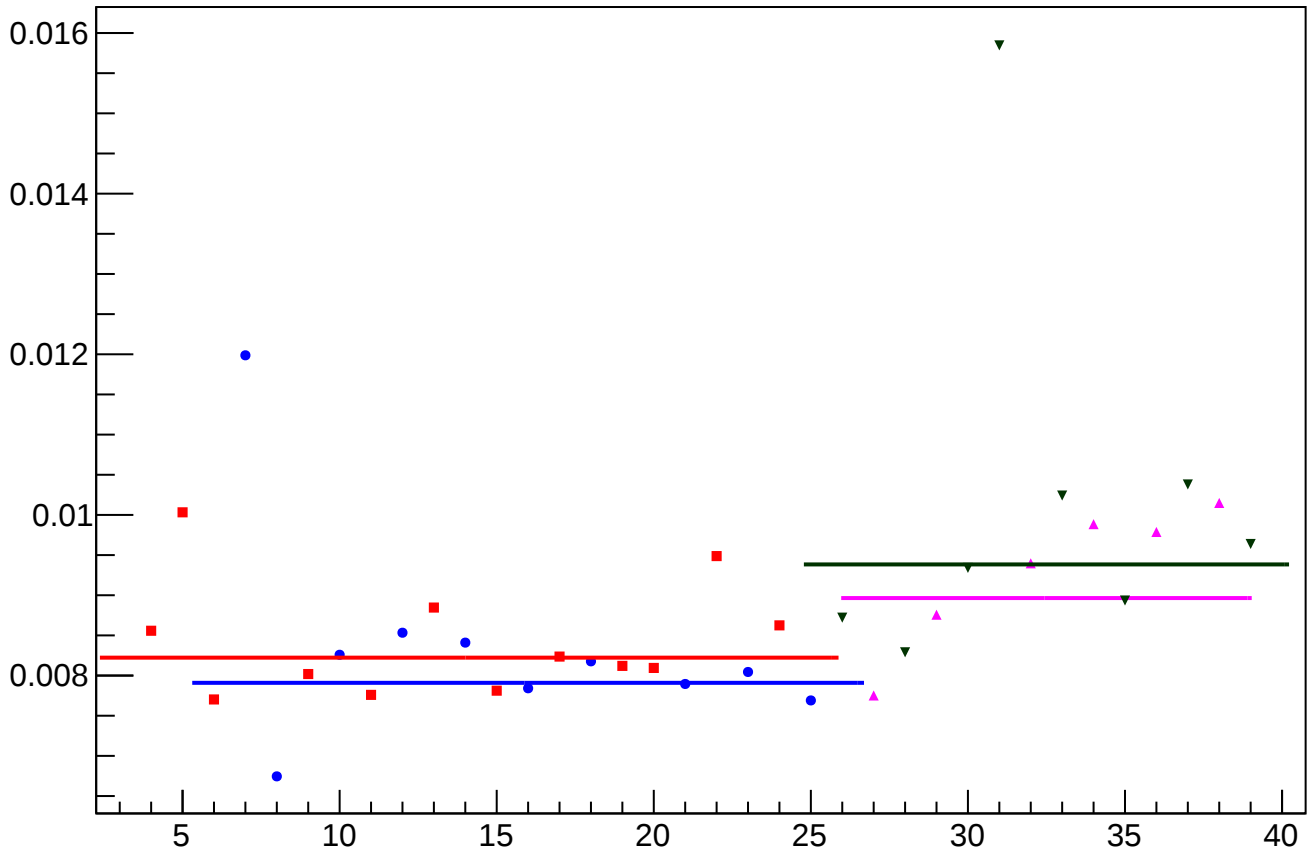
1.290 $\pm$ 0.000 χ^2/NDF : 17537629217.2/17

Right Out: 1.495 $\pm$ 0.000 χ^2/NDF : 2404671234.5/11

1.238 $\pm$ 0.000 χ^2/NDF : 16401421304.3/17

Left In: 0.804 $\pm$ 0.000 χ^2/NDF : 541587965.7/5

yield_bpm0l03Y_rms vs slug



Right In: 0.008 ± 0.000 χ^2/NDF : 91526.9/9

Left Out: 0.009 ± 0.000 χ^2/NDF : 131068.9/7

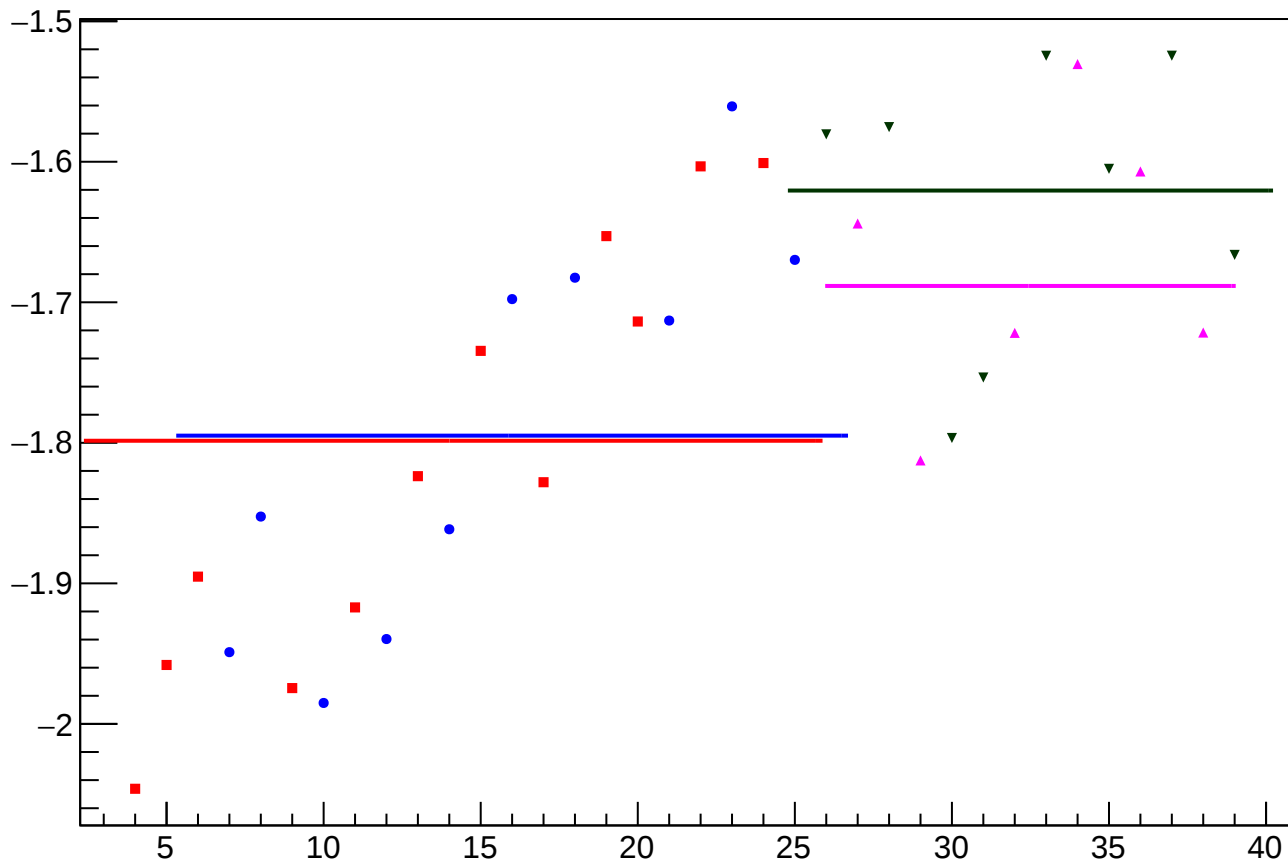
Right Out: 0.008 ± 0.000 χ^2/NDF : 38168.5/11

Left In: 0.009 ± 0.000 χ^2/NDF : 64840.4/5

0.008 ± 0.000 χ^2/NDF : 338318.3/17

0.008 ± 0.000 χ^2/NDF : 133982.3/17

yield_bpm0l04X_mean vs slug



Right In: -1.795+/-0.000 χ^2/NDF : 835574790.6/9

Left Out: -1.620+/-0.000 χ^2/NDF : 253436462.8/7

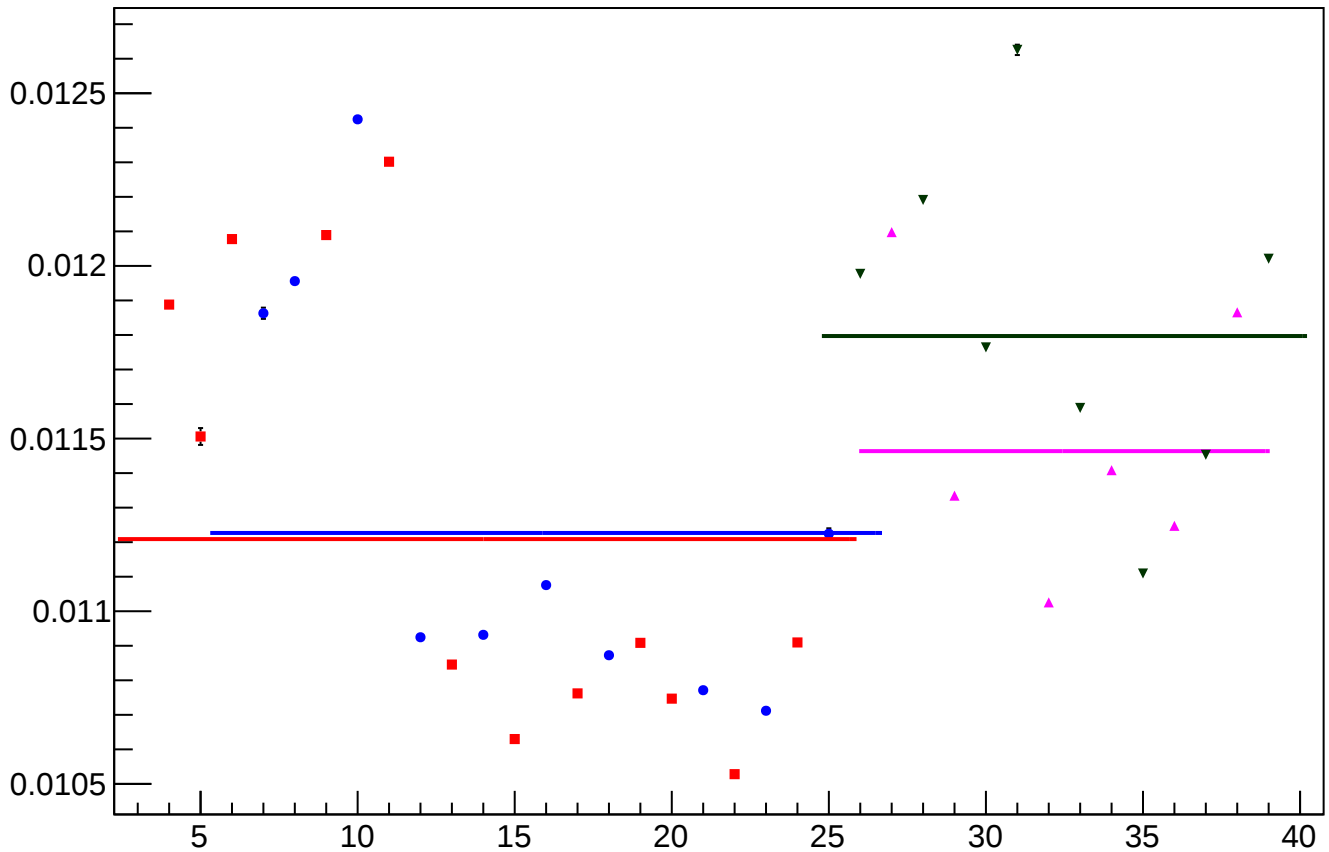
Right Out: -1.799+/-0.000 χ^2/NDF : 930787190.3/11

Left In: -1.688+/-0.000 χ^2/NDF : 245345625.6/5

-1.730+/-0.000 χ^2/NDF : 1663789482.6/17

-1.756+/-0.000 χ^2/NDF : 1407989607.8/17

yield_bpm0l04X_rms vs slug



Right In: 0.011+/-0.000 χ^2/NDF : 32205.5/9

Left Out: 0.012+/-0.000 χ^2/NDF :10328.6/7

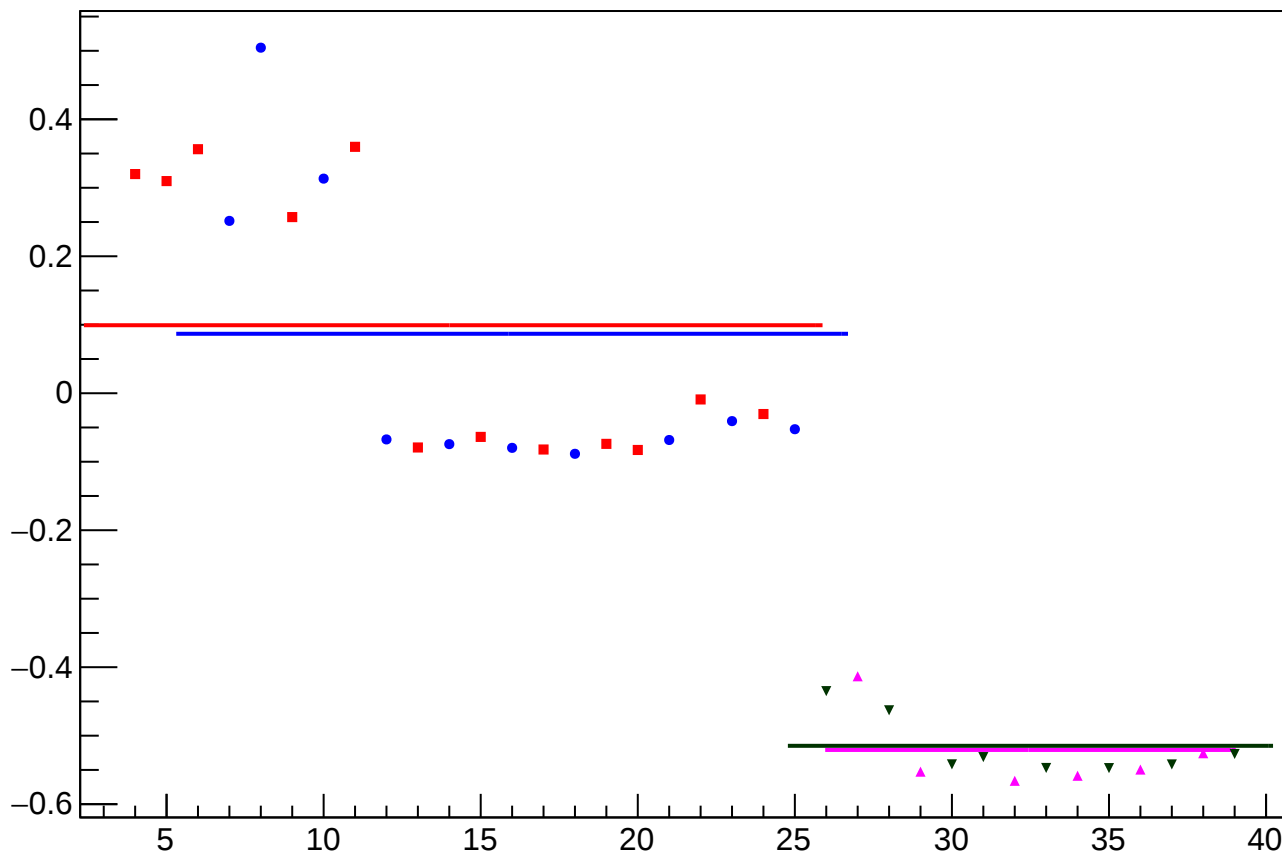
Right Out: 0.011+/-0.000 χ^2/NDF : 41113.0/11

Left In: 0.011+/-0.000 χ^2/NDF :9193.3/5

0.011+/-0.000 χ^2/NDF : 54826.0/17

0.011+/-0.000 χ^2/NDF : 52785.9/17

yield_bpm0l04Y_mean vs slug



Right In: 0.087+/-0.000 χ^2/NDF : 6587794227.2/9

Left Out: -0.515+/-0.000 χ^2/NDF : 109936047.7/7

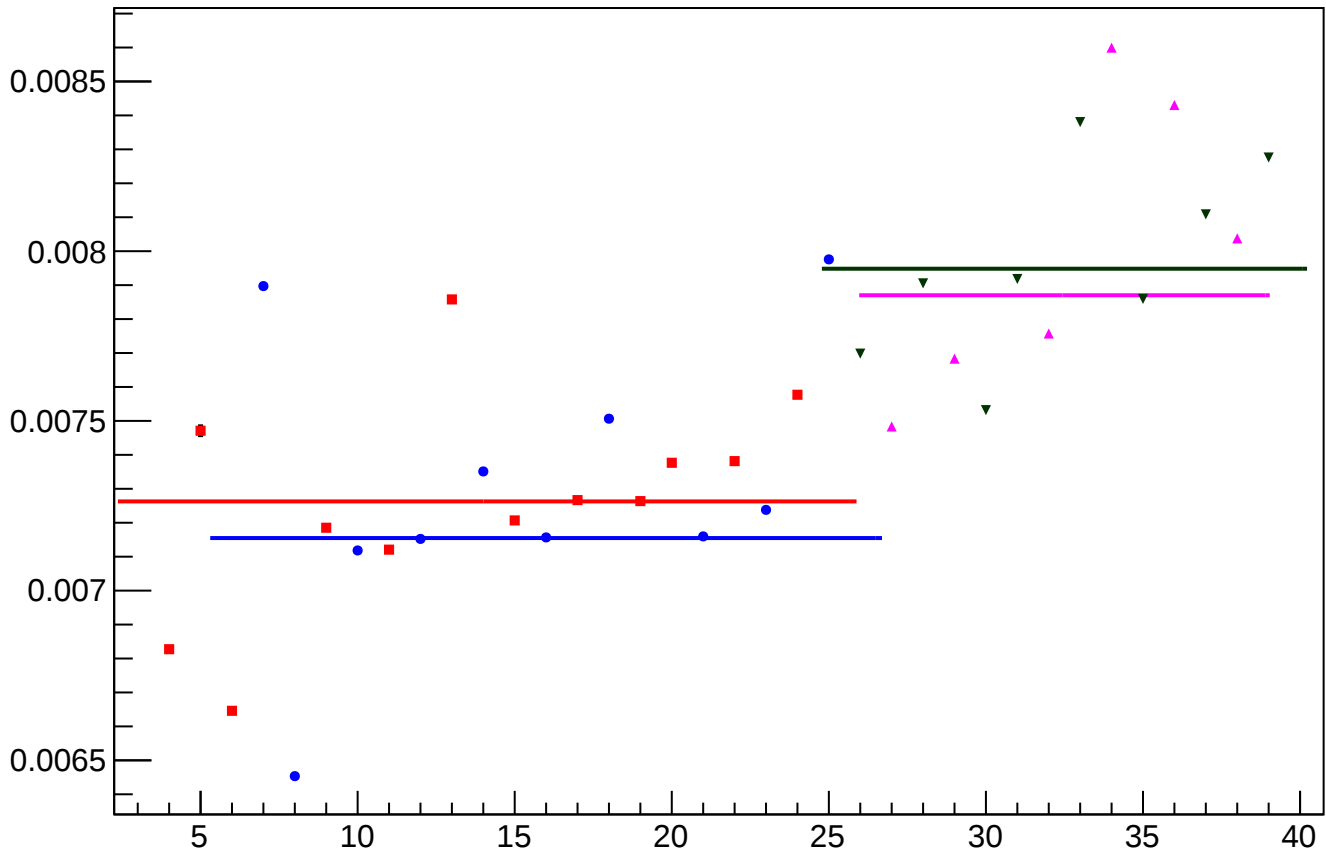
Right Out: 0.099+/-0.000 χ^2/NDF : 4238157293.7/11

Left In: -0.521+/-0.000 χ^2/NDF : 228808140.8/5

-0.122+/-0.000 χ^2/NDF : 22103050549.3/17

-0.122+/-0.000 χ^2/NDF : 20426748837.9/17

yield_bpm0l04Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 35013.6/9

Left Out: 0.008+/-0.000 χ^2/NDF : 9392.6/7

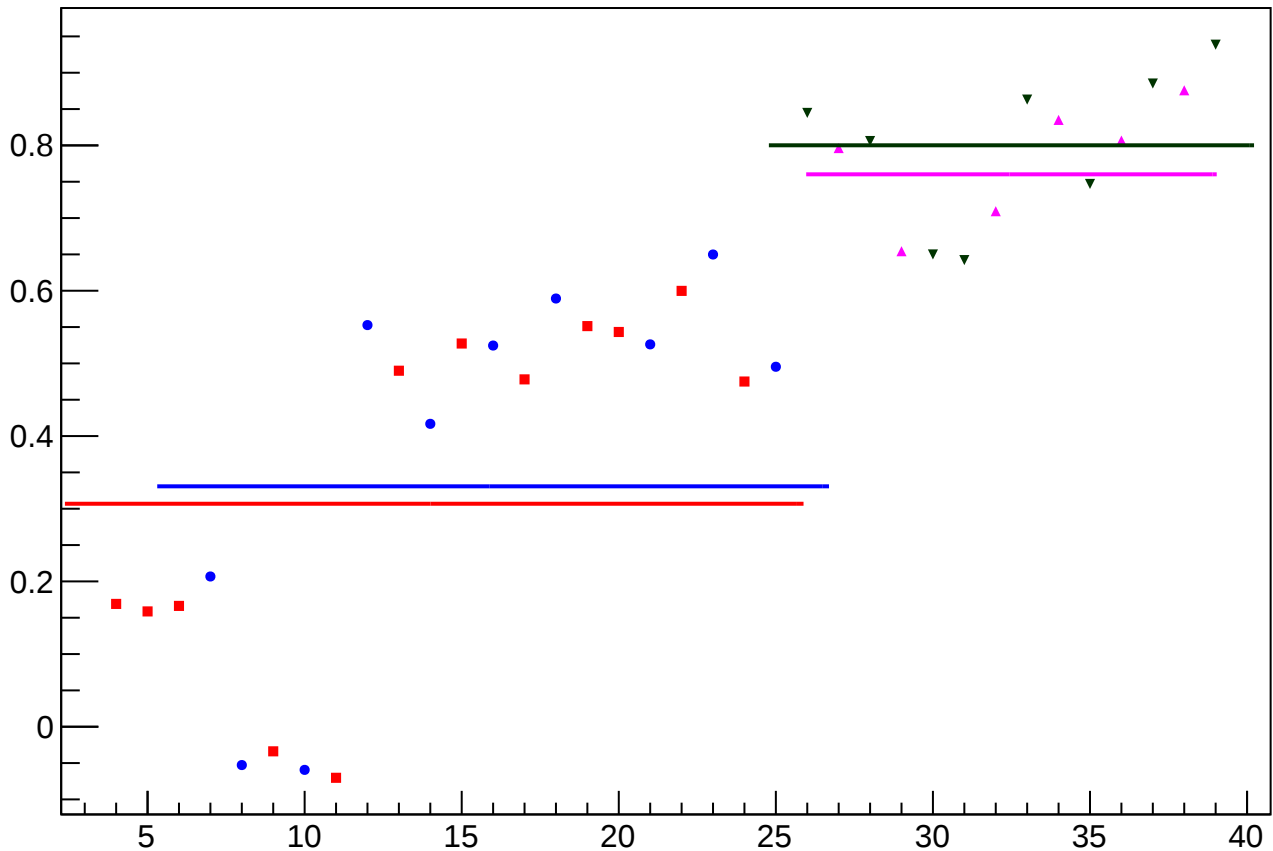
Right Out: 0.007+/-0.000 χ^2/NDF : 25457.6/11

Left In: 0.008+/-0.000 χ^2/NDF : 17503.6/5

0.007+/-0.000 χ^2/NDF : 97998.6/17

0.007+/-0.000 χ^2/NDF : 73578.5/17

yield_bpm0l05X_mean vs slug



Right In: 0.331+/-0.000 χ^2/NDF : 10288533334.9/9

Left Out: 0.800+/-0.000 χ^2/NDF : 867843070.7/7

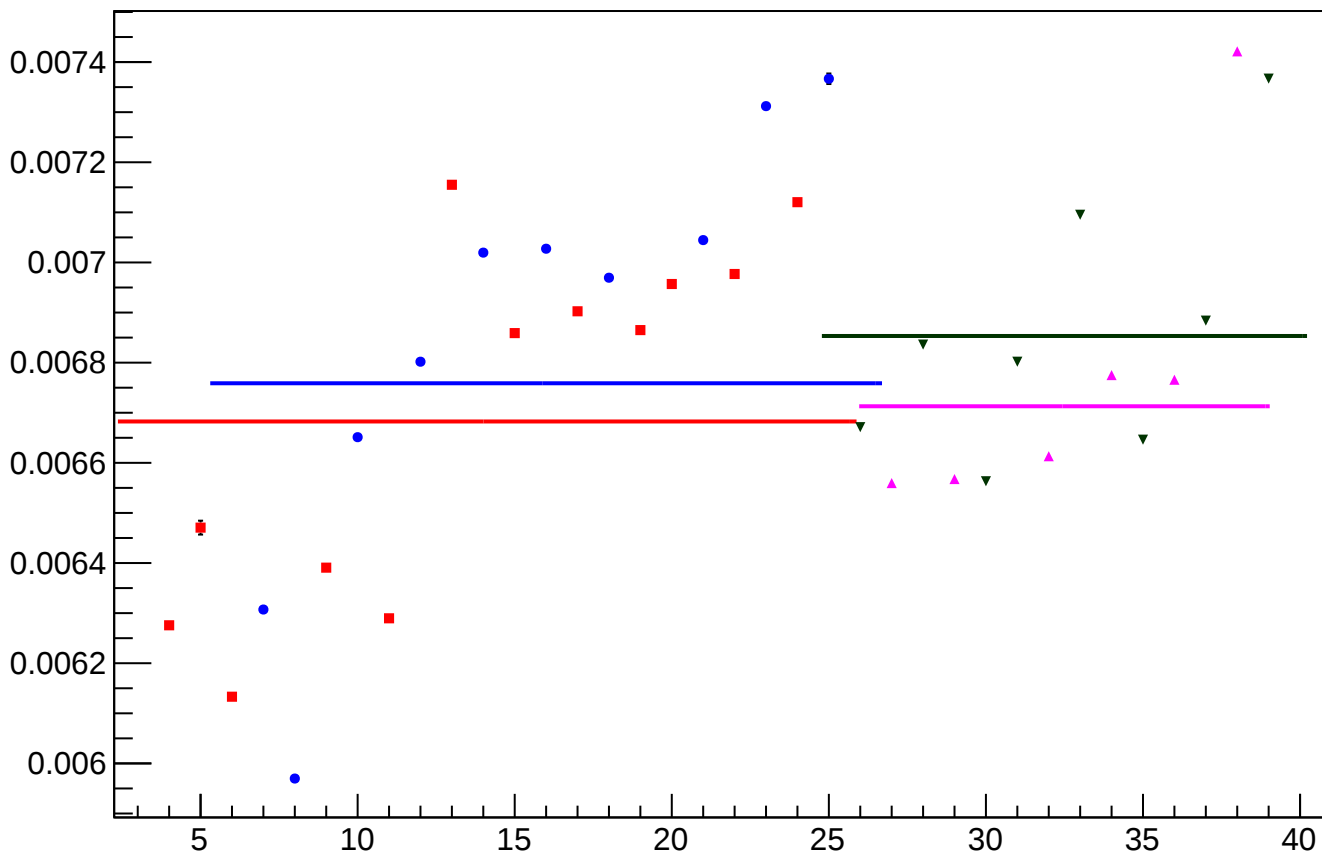
0.515+/-0.000 χ^2/NDF : 23111446252.7/17

Right Out: 0.307+/-0.000 χ^2/NDF : 8592627222.1/11

0.485+/-0.000 χ^2/NDF : 20287531466.6/17

Left In: 0.760+/-0.000 χ^2/NDF : 502012631.5/5

yield_bpm0l05X_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 51100.4/9

Left Out: 0.007+/-0.000 χ^2/NDF : 11047.2/7

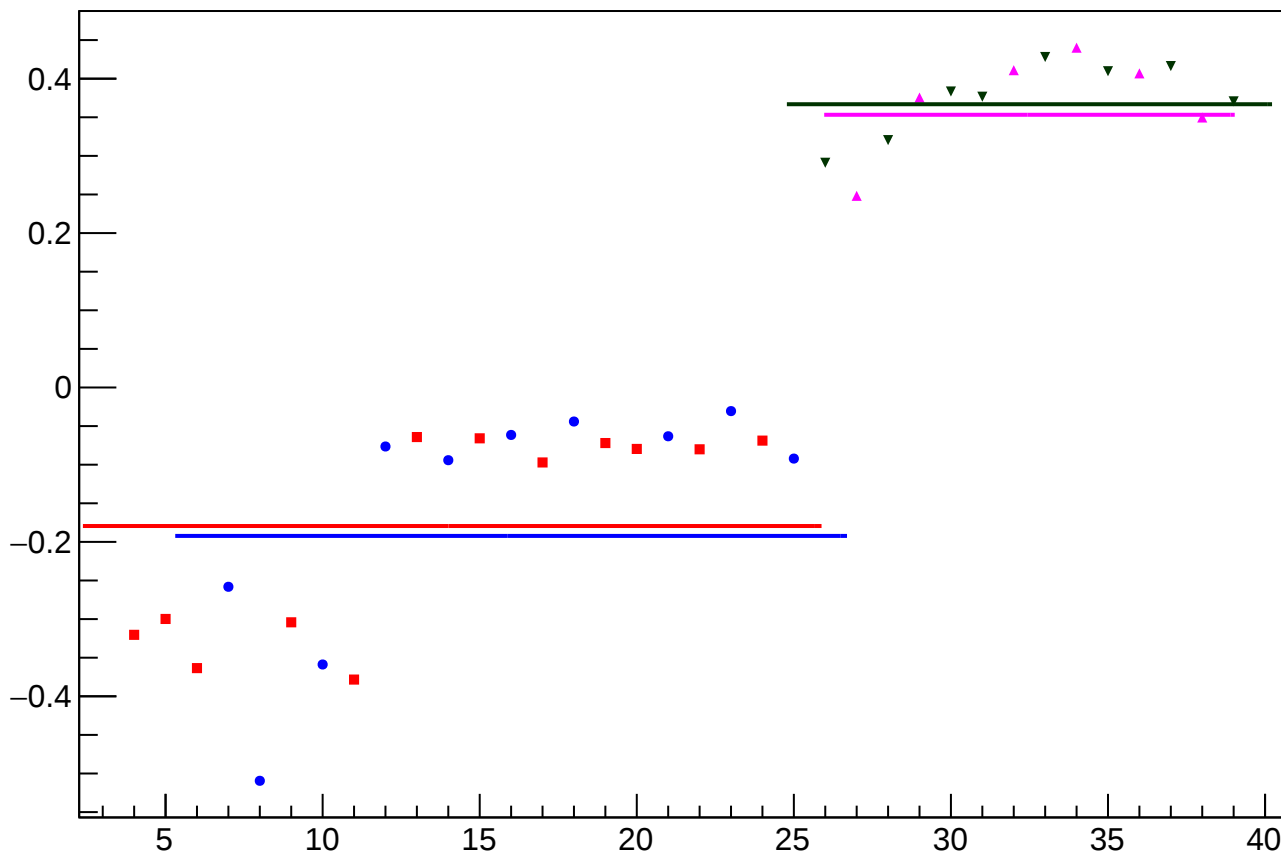
Right Out: 0.007+/-0.000 χ^2/NDF : 37923.0/11

Left In: 0.007+/-0.000 χ^2/NDF : 11602.1/5

0.007+/-0.000 χ^2/NDF : 63114.6/17

0.007+/-0.000 χ^2/NDF : 49625.5/17

yield_bpm0l05Y_mean vs slug



Right In: -0.192+/-0.000 χ^2/NDF : 7520458731.7/9

Left Out: 0.367+/-0.000 χ^2/NDF : 256866488.5/7

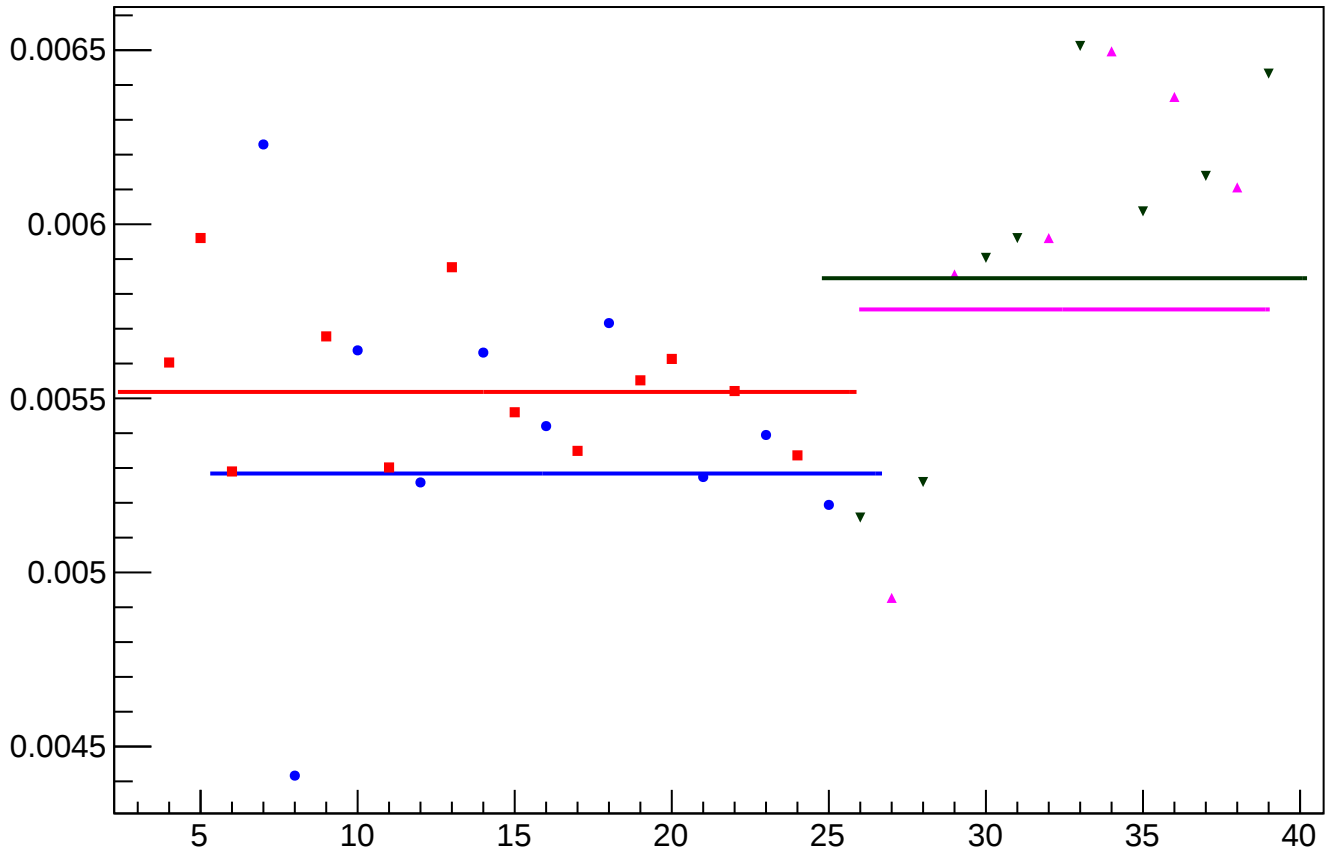
0.002+/-0.000 χ^2/NDF : 31904844239.3/17

Right Out: -0.179+/-0.000 χ^2/NDF : 3508774818.6/11

0.019+/-0.000 χ^2/NDF : 25203445137.2/17

Left In: 0.353+/-0.000 χ^2/NDF : 582782161.3/5

yield_bpm0l05Y_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 101310.2/9

Left Out: 0.006+/-0.000 χ^2/NDF : 56031.6/7

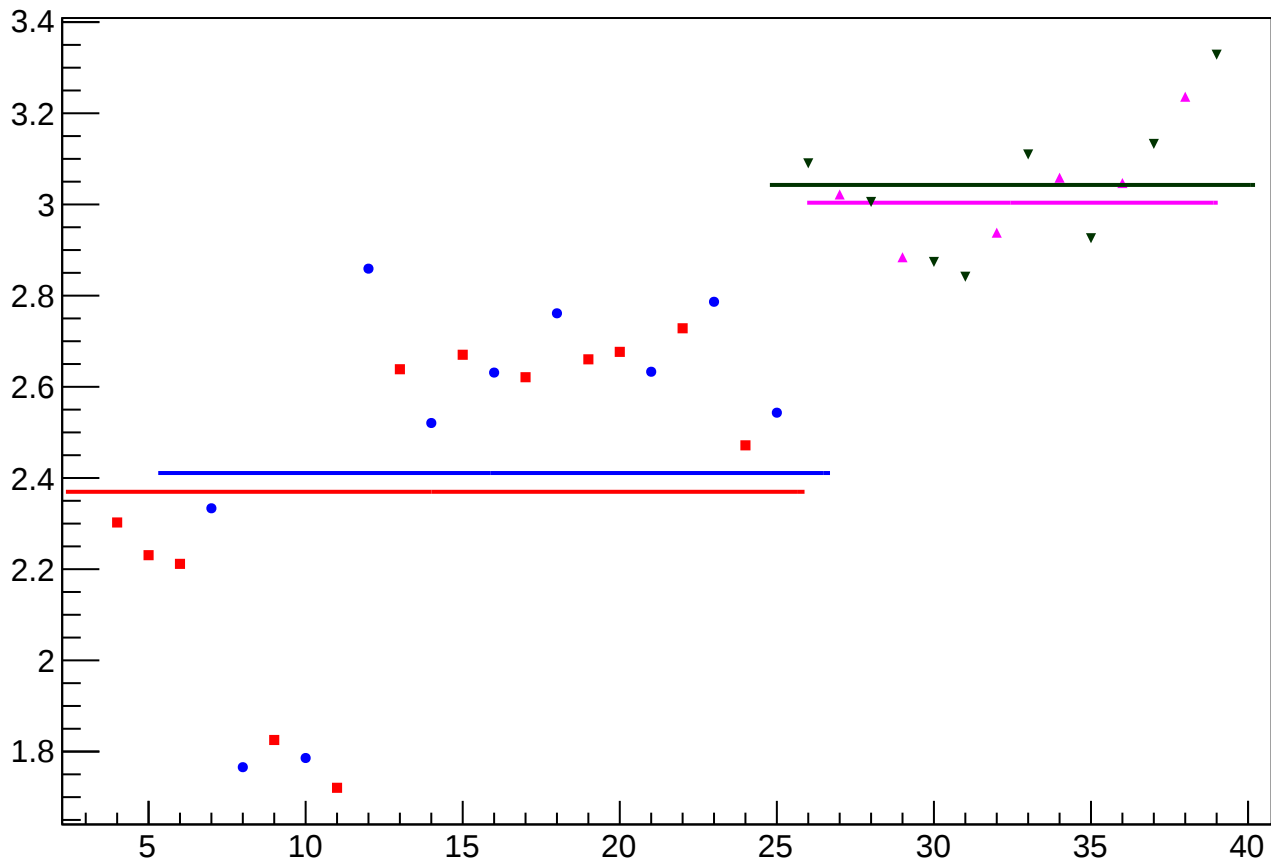
Right Out: 0.006+/-0.000 χ^2/NDF : 15882.5/11

Left In: 0.006+/-0.000 χ^2/NDF : 73154.8/5

0.005+/-0.000 χ^2/NDF : 205899.9/17

0.006+/-0.000 χ^2/NDF : 97392.0/17

yield_bpm0l06X_mean vs slug



Right In: 2.411 $\pm$ 0.000 χ^2 /NDF: 8288488350.8/9

Left Out: 3.043 $\pm$ 0.000 χ^2 /NDF: 1008095512.9/7

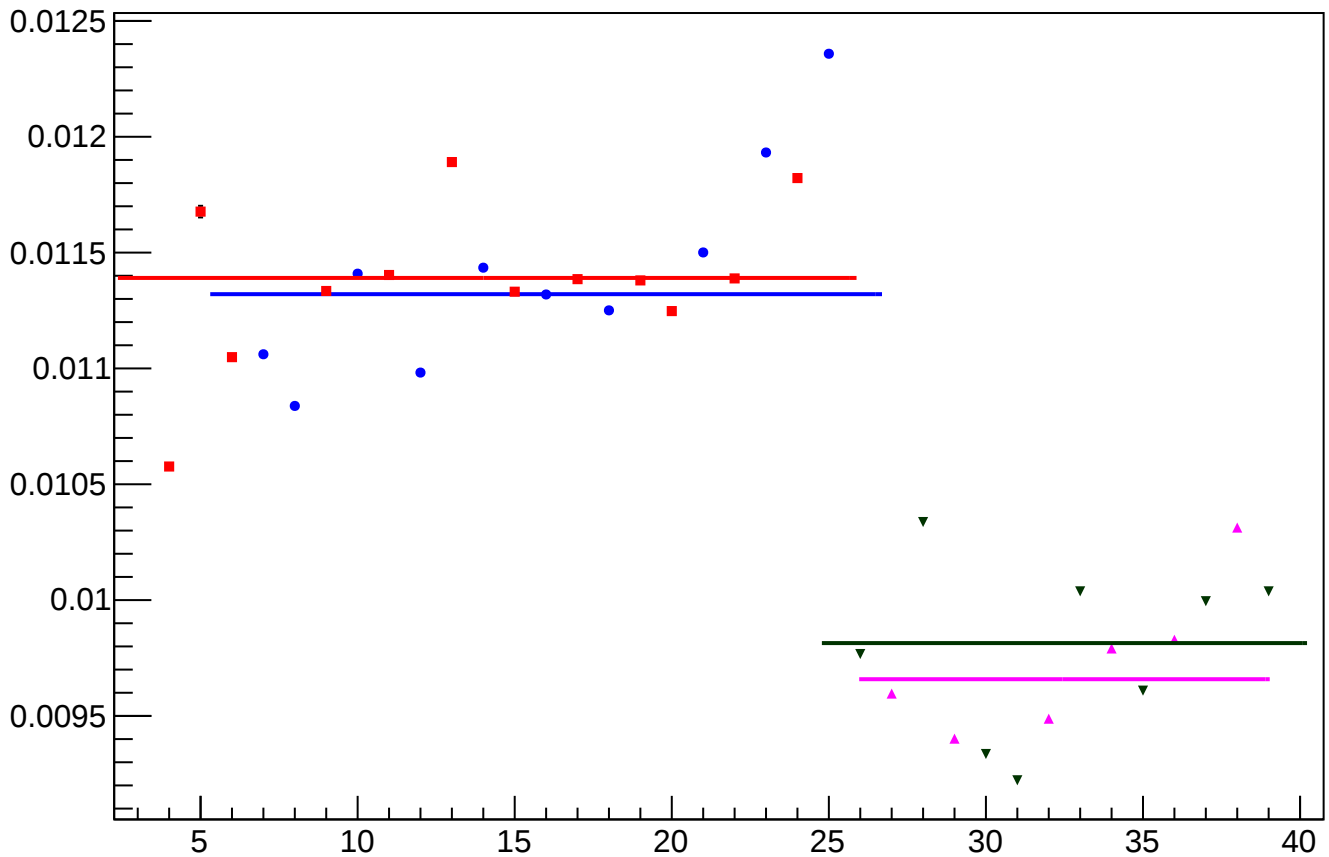
2.709 $\pm$ 0.000 χ^2 /NDF: 18577782405.0/17

Right Out: 2.370 $\pm$ 0.000 χ^2 /NDF: 6148614256.2/11

2.672 $\pm$ 0.000 χ^2 /NDF: 15738323966.6/17

Left In: 3.004 $\pm$ 0.000 χ^2 /NDF: 464926898.3/5

yield_bpm0l06X_rms vs slug



Right In: 0.011+/-0.000 χ^2/NDF : 11666.9/9

Left Out: 0.010+/-0.000 χ^2/NDF : 11331.1/7

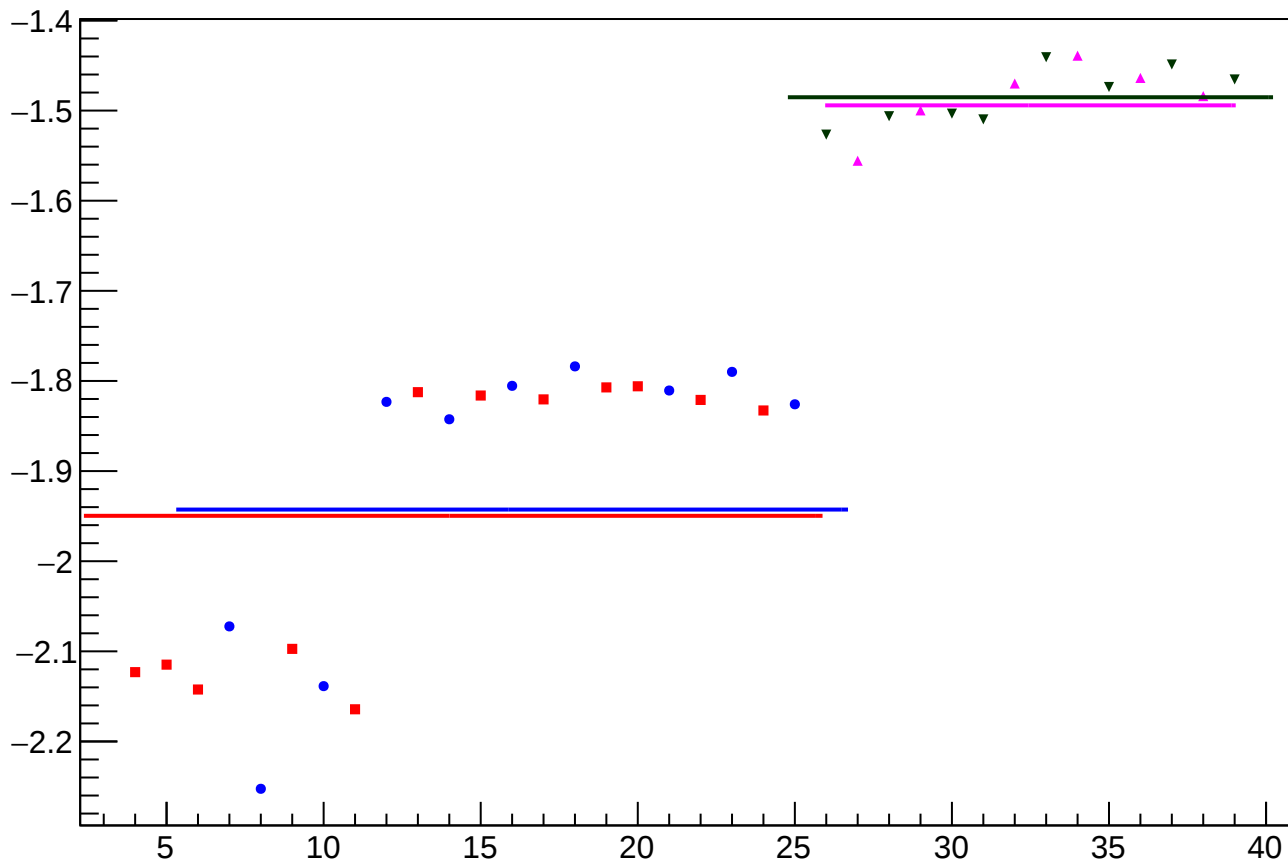
Right Out: 0.011+/-0.000 χ^2/NDF : 10496.6/11

Left In: 0.010+/-0.000 χ^2/NDF : 6462.9/5

0.011+/-0.000 χ^2/NDF : 128456.7/17

0.011+/-0.000 χ^2/NDF : 153152.3/17

yield_bpm0l06Y_mean vs slug



Right In: -1.943+/-0.000 χ^2/NDF : 9180562095.2/9

Left Out: -1.485+/-0.000 χ^2/NDF : 118733072.5/7

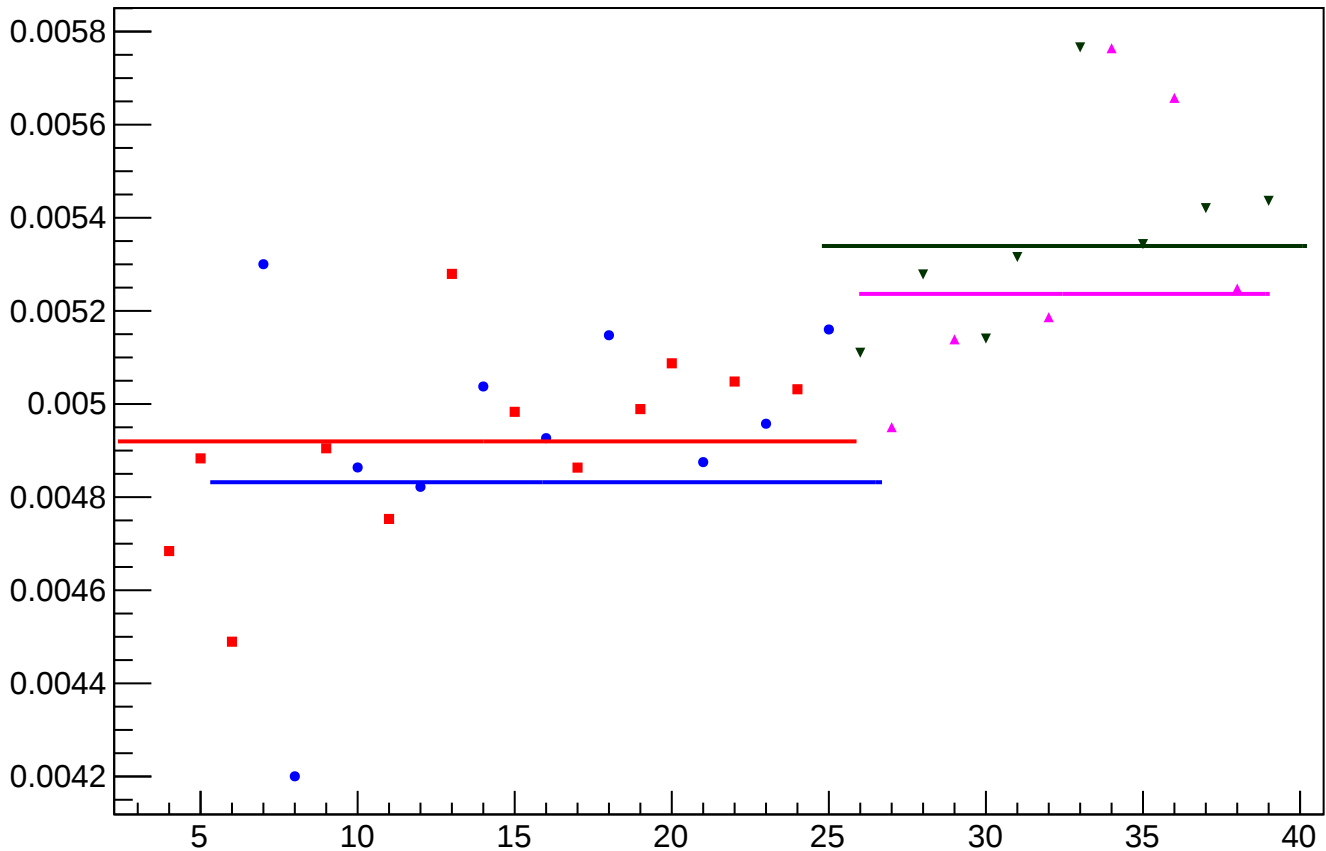
-1.783+/-0.000 χ^2/NDF : 28951815810.6/17

Right Out: -1.950+/-0.000 χ^2/NDF : 6176400274.4/11

-1.783+/-0.000 χ^2/NDF : 25592853481.9/17

Left In: -1.494+/-0.000 χ^2/NDF : 207618050.8/5

yield_bpm0l06Y_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 55245.9/9

Left Out: 0.005+/-0.000 χ^2/NDF : 9713.2/7

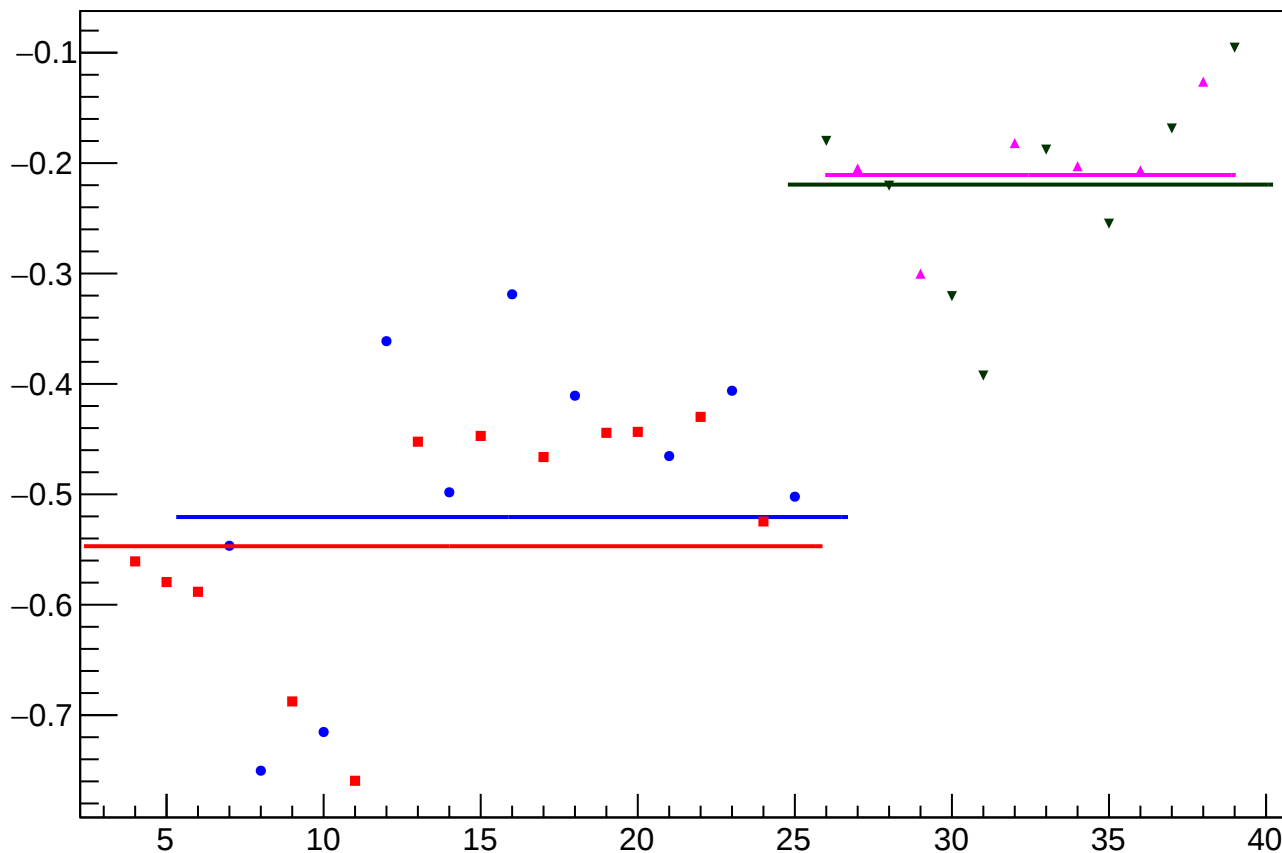
Right Out: 0.005+/-0.000 χ^2/NDF : 23832.0/11

Left In: 0.005+/-0.000 χ^2/NDF : 19823.3/5

0.005+/-0.000 χ^2/NDF : 113306.7/17

0.005+/-0.000 χ^2/NDF : 62243.7/17

yield_bpm0l07X_mean vs slug



Right In: -0.521+/-0.000 χ^2/NDF : 473408207.3/9

Left Out: -0.219+/-0.000 χ^2/NDF : 133519255.6/7

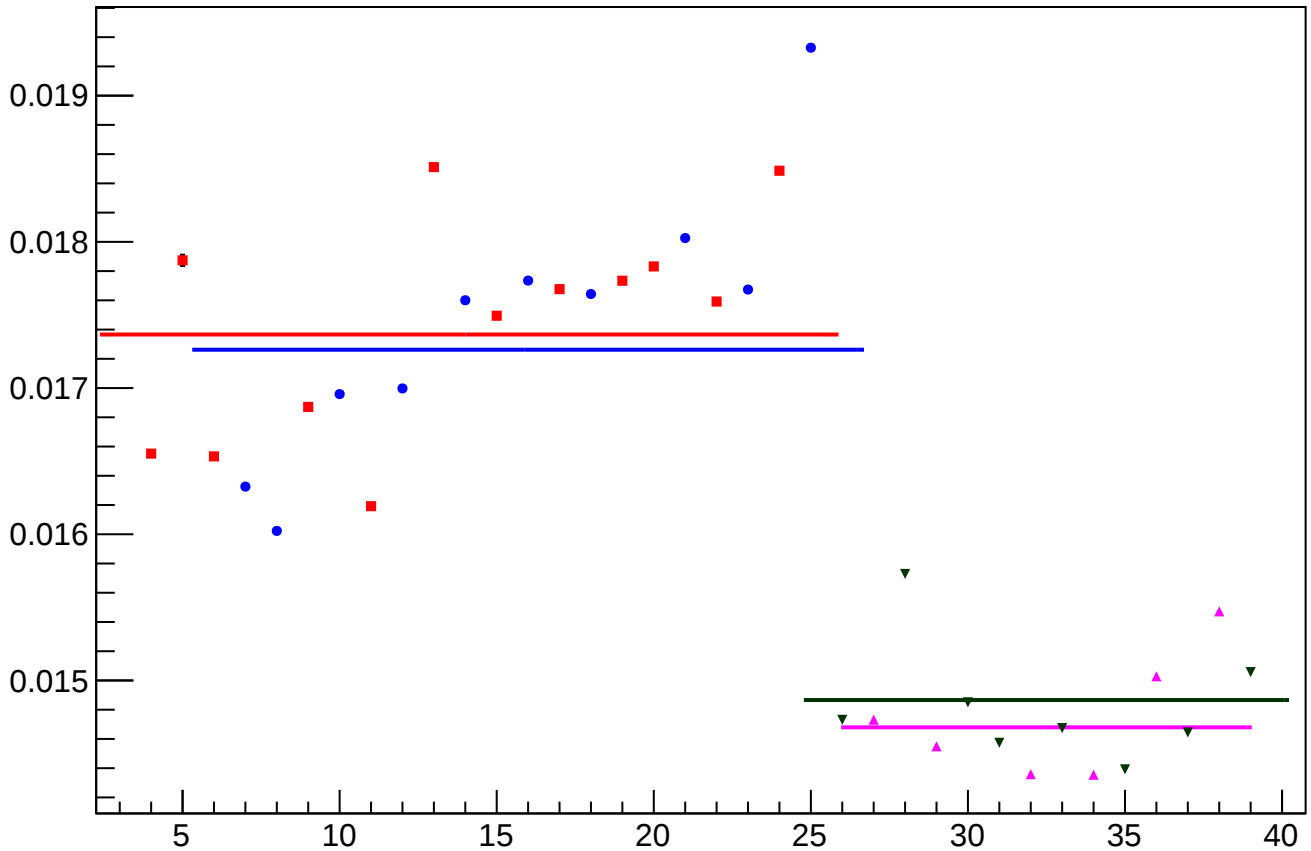
Right Out: -0.547+/-0.000 χ^2/NDF : 269735804.4/11

Left In: -0.211+/-0.000 χ^2/NDF : 51138219.5/5

-0.377+/-0.000 χ^2/NDF : 1525783076.9/17

-0.385+/-0.000 χ^2/NDF : 1429605083.8/17

yield_bpm0l07X_rms vs slug



Right In: 0.017+/-0.000 χ^2/NDF : 24130.4/9

Left Out: 0.015+/-0.000 χ^2/NDF :6446.6/7

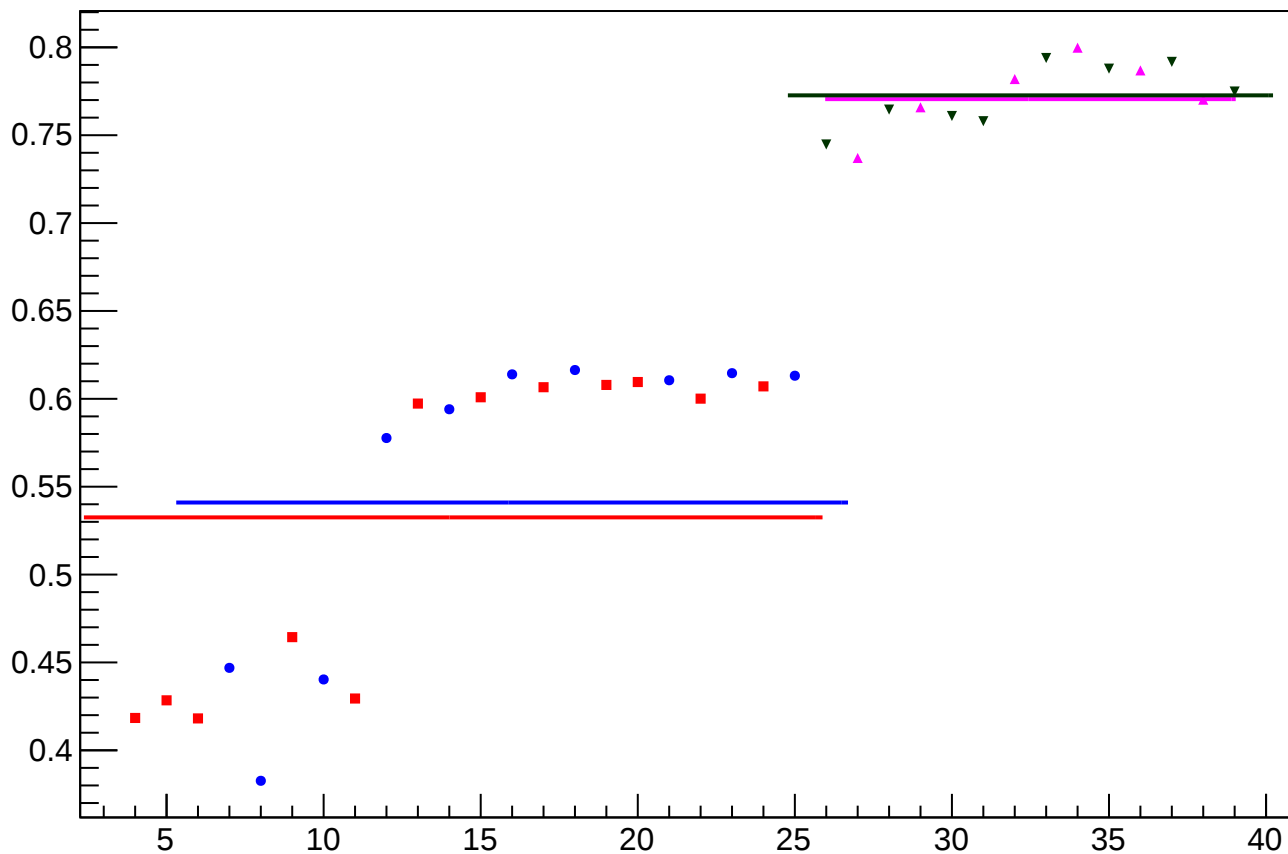
0.016+/-0.000 χ^2/NDF : 146958.5/17

Right Out: 0.017+/-0.000 χ^2/NDF : 25208.5/11

0.016+/-0.000 χ^2/NDF : 171565.3/17

Left In: 0.015+/-0.000 χ^2/NDF :4770.2/5

yield_bpm0l07Y_mean vs slug



Right In: 0.541+/-0.000 χ^2/NDF : 5869404533.9/9

Left Out: 0.773+/-0.000 χ^2/NDF : 102646679.1/7

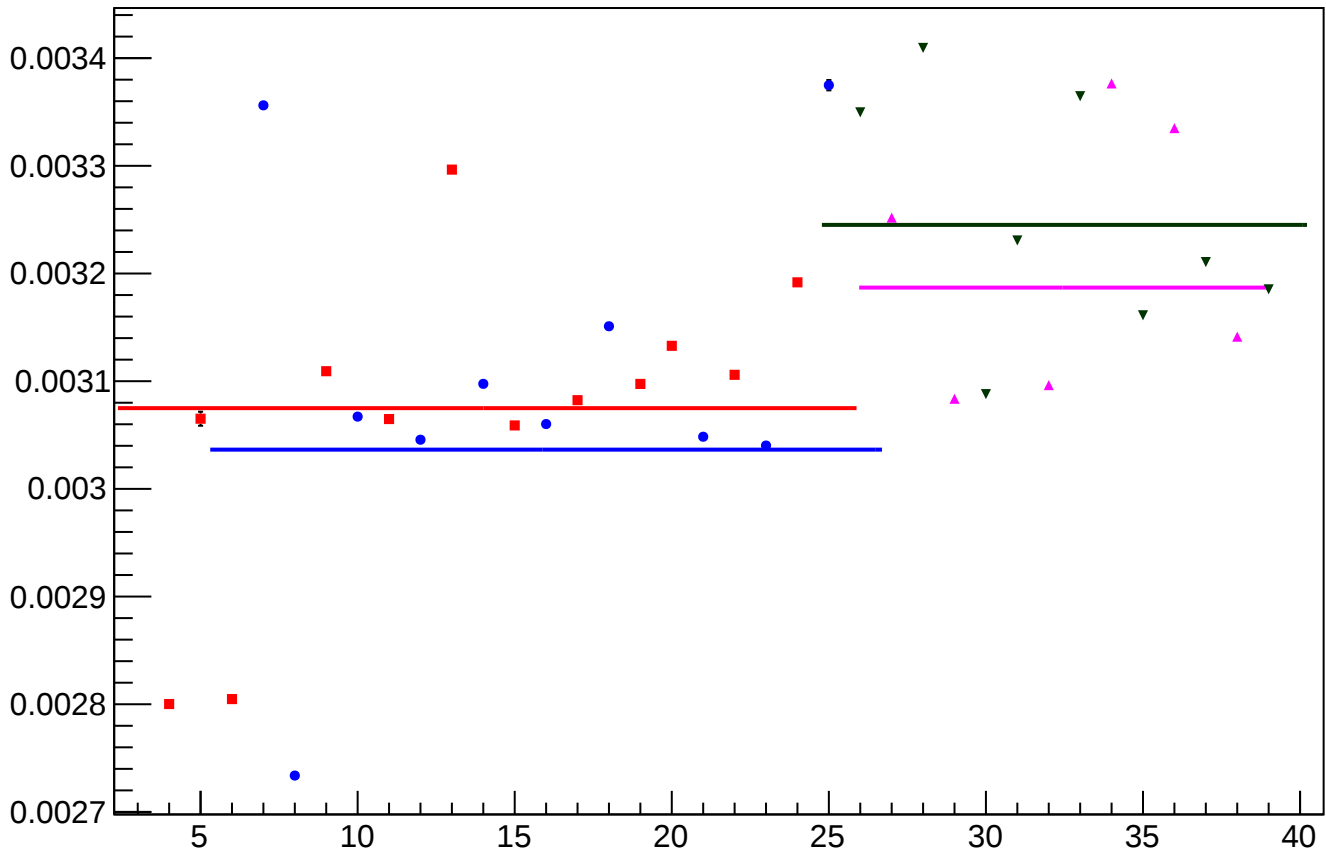
Right Out: 0.533+/-0.000 χ^2/NDF : 4611310317.7/11

Left In: 0.771+/-0.000 χ^2/NDF : 149695666.1/5

0.626+/-0.000 χ^2/NDF : 19379600481.7/17

0.623+/-0.000 χ^2/NDF : 18710670891.7/17

yield_bpm0l07Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 33871.1/9

Left Out: 0.003+/-0.000 χ^2/NDF : 9204.5/7

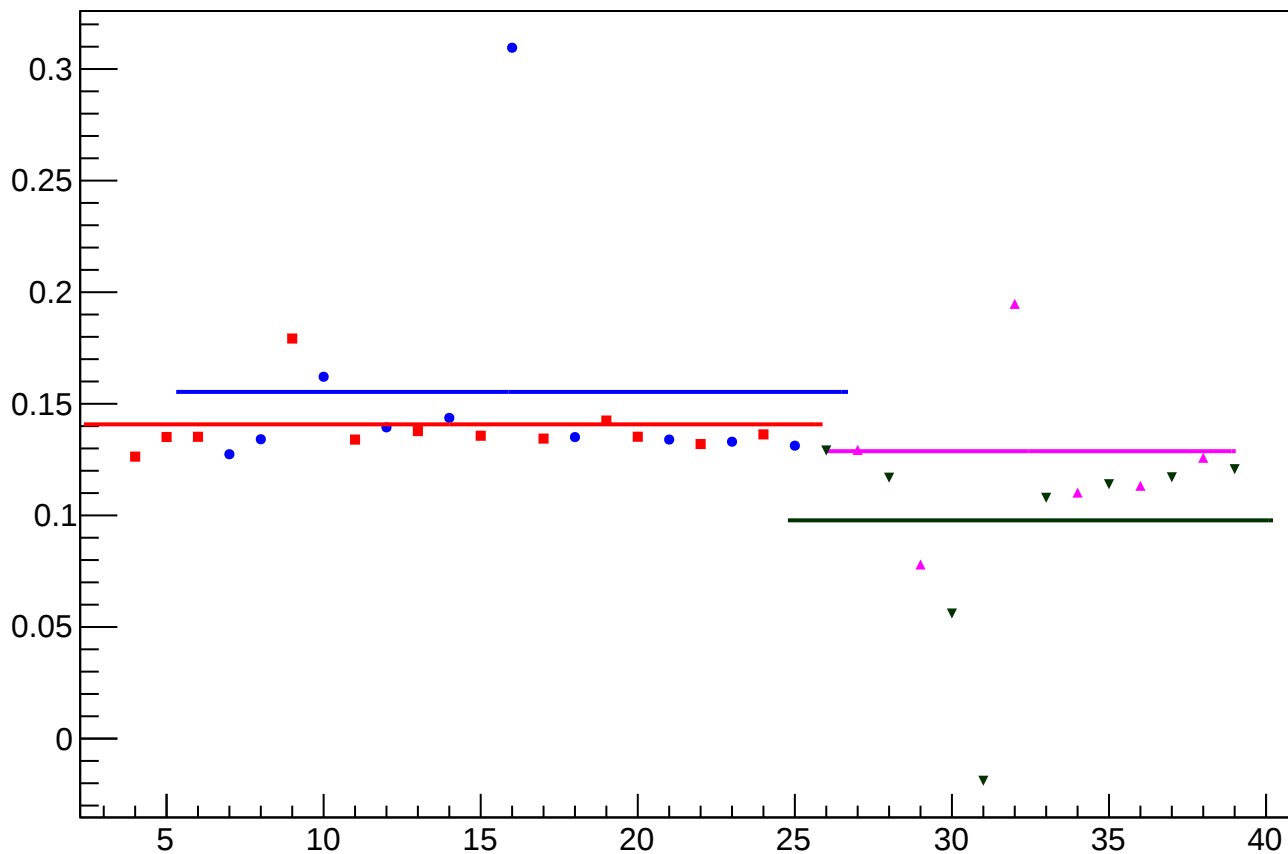
0.003+/-0.000 χ^2/NDF : 64835.0/17

Right Out: 0.003+/-0.000 χ^2/NDF : 27152.3/11

0.003+/-0.000 χ^2/NDF : 42602.5/17

Left In: 0.003+/-0.000 χ^2/NDF : 9277.3/5

yield_bpm0l08X_mean vs slug



Right In: 0.155+/-0.000 χ^2/NDF : 60529861.8/9

Left Out: 0.098+/-0.000 χ^2/NDF : 39599673.1/7

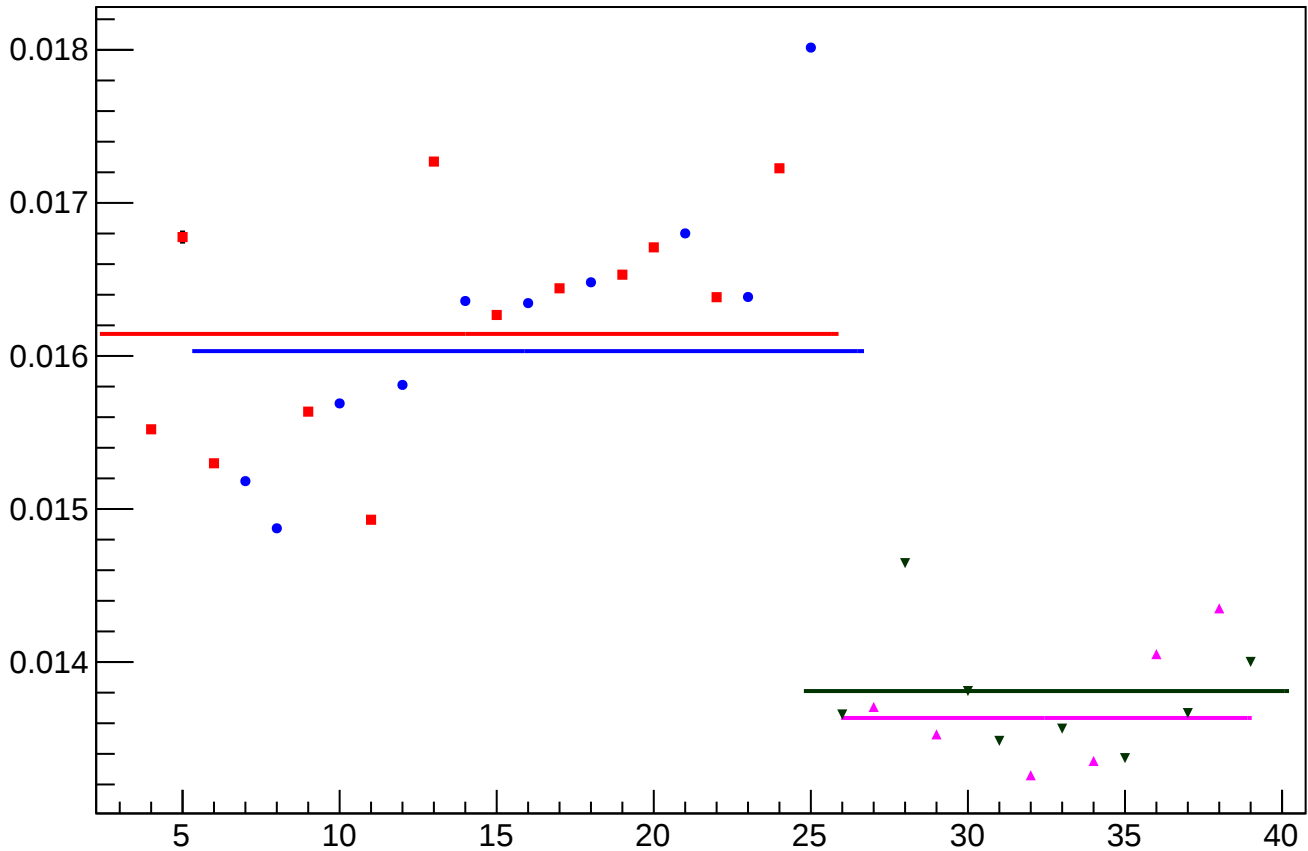
Right Out: 0.141+/-0.000 χ^2/NDF : 5462429.5/11

Left In: 0.129+/-0.000 χ^2/NDF : 35222153.6/5

0.128+/-0.000 χ^2/NDF : 138990056.9/17

0.135+/-0.000 χ^2/NDF : 42320852.2/17

yield_bpm0l08X_rms vs slug



Right In: 0.016+/-0.000 χ^2/NDF : 25086.5/9

Left Out: 0.014+/-0.000 χ^2/NDF : 7036.3/7

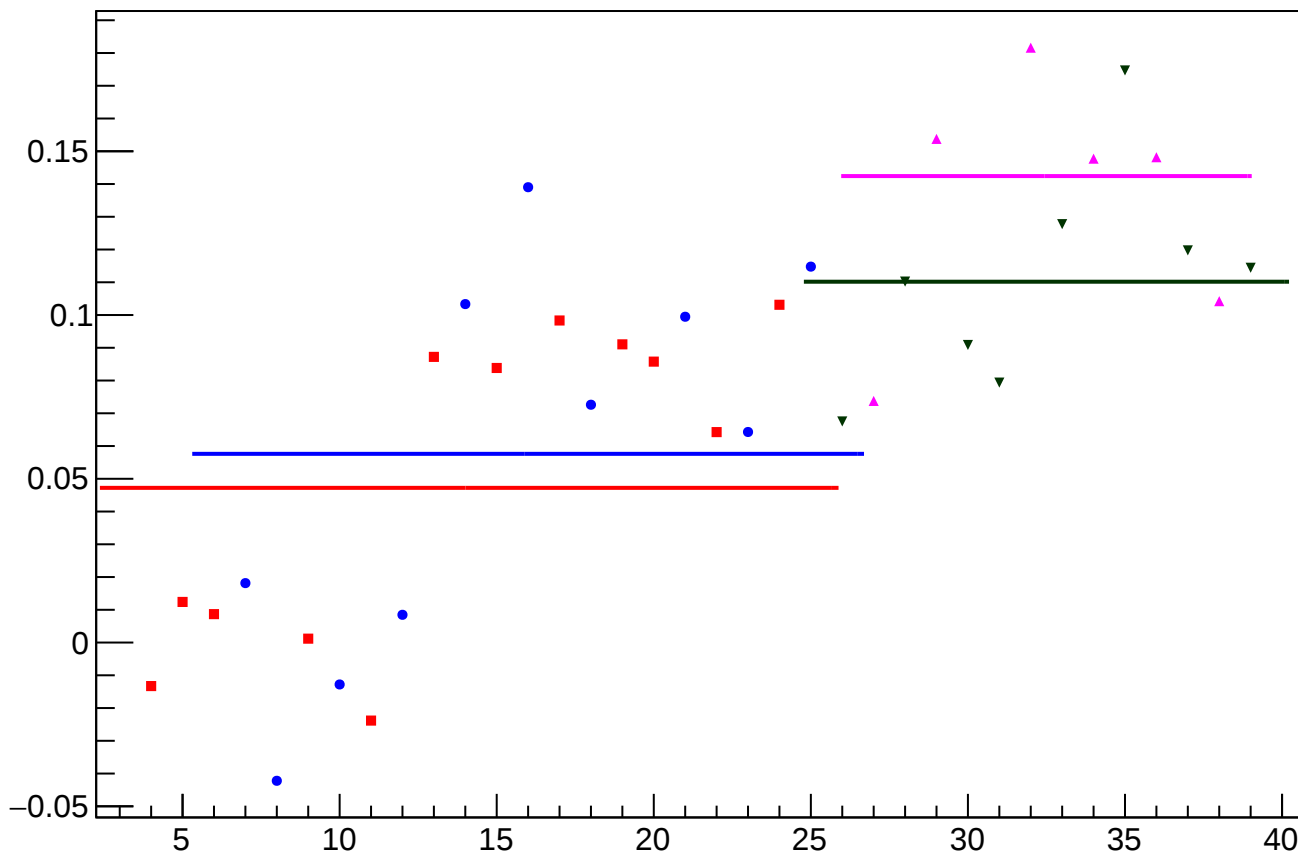
0.015+/-0.000 χ^2/NDF : 147900.4/17

Right Out: 0.016+/-0.000 χ^2/NDF : 28739.5/11

0.015+/-0.000 χ^2/NDF : 176861.9/17

Left In: 0.014+/-0.000 χ^2/NDF : 5421.5/5

yield_bpm0l08Y_mean vs slug



Right In: 0.058 ± 0.000 χ^2/NDF : 2106835310.3/9

Left Out: 0.110 ± 0.000 χ^2/NDF : 324115058.7/7

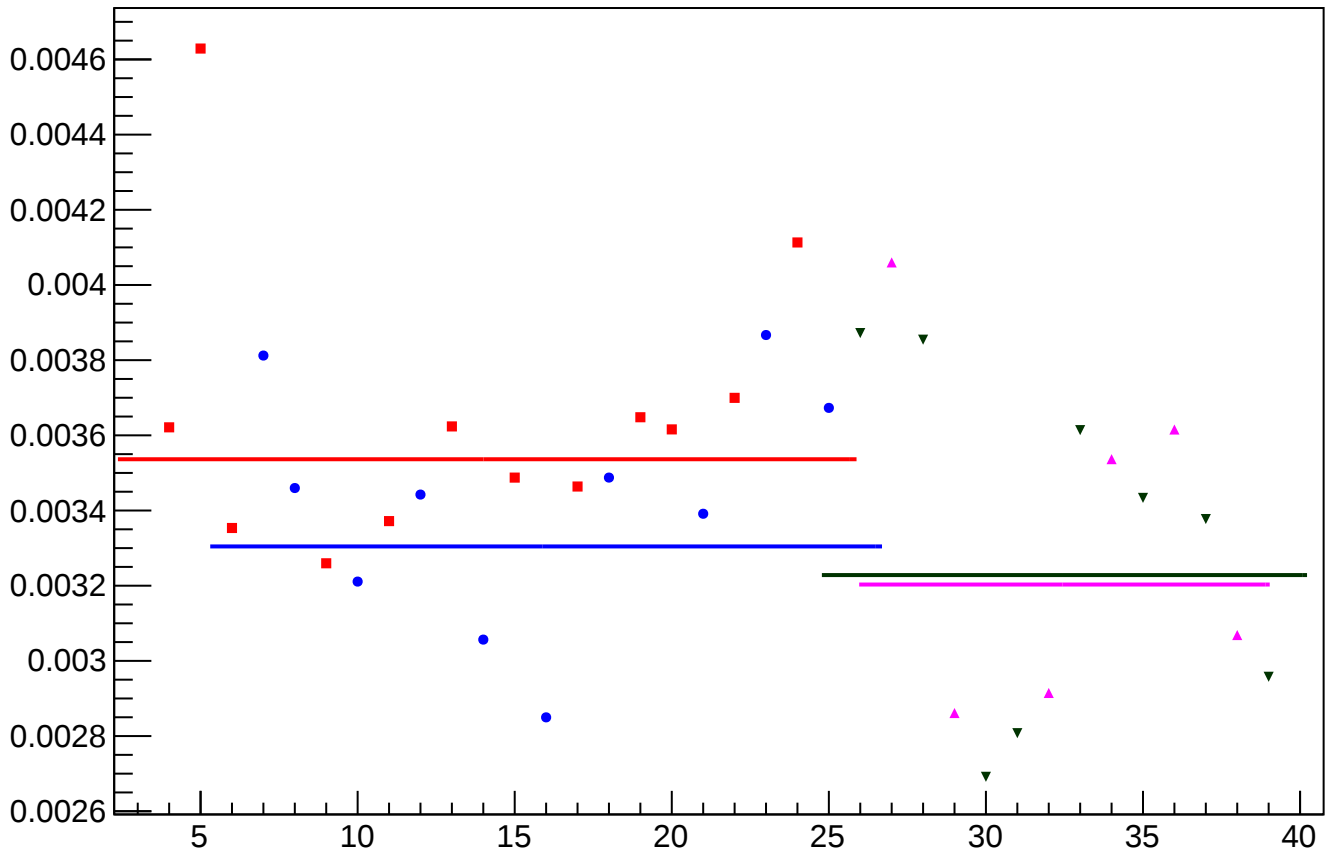
Right Out: 0.047 ± 0.000 χ^2/NDF : 1076949152.4/11

Left In: 0.142 ± 0.000 χ^2/NDF : 483703527.0/5

0.079 ± 0.000 χ^2/NDF : 3061840035.0/17

0.090 ± 0.000 χ^2/NDF : 3472895363.0/17

yield_bpm0l08Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 88903.2/9

Left Out: 0.003+/-0.000 χ^2/NDF :143743.6/7

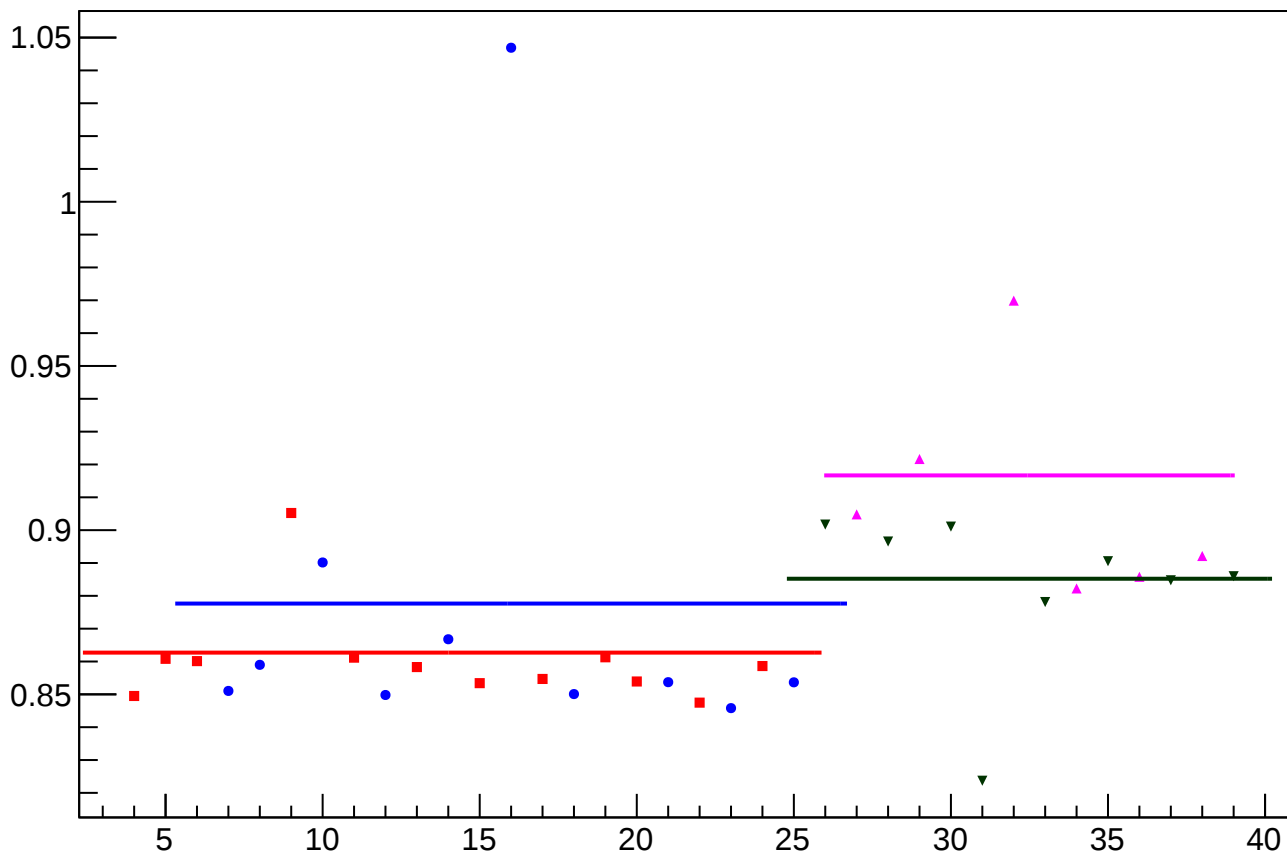
0.003+/-0.000 χ^2/NDF : 235297.7/17

Right Out: 0.004+/-0.000 χ^2/NDF : 54073.0/11

0.003+/-0.000 χ^2/NDF : 237670.7/17

Left In: 0.003+/-0.000 χ^2/NDF :136714.8/5

yield_bpm0l09X_mean vs slug



Right In: 0.878+/-0.000 χ^2/NDF : 78564555.7/9

Left Out: 0.885+/-0.000 χ^2/NDF :10001562.4/7

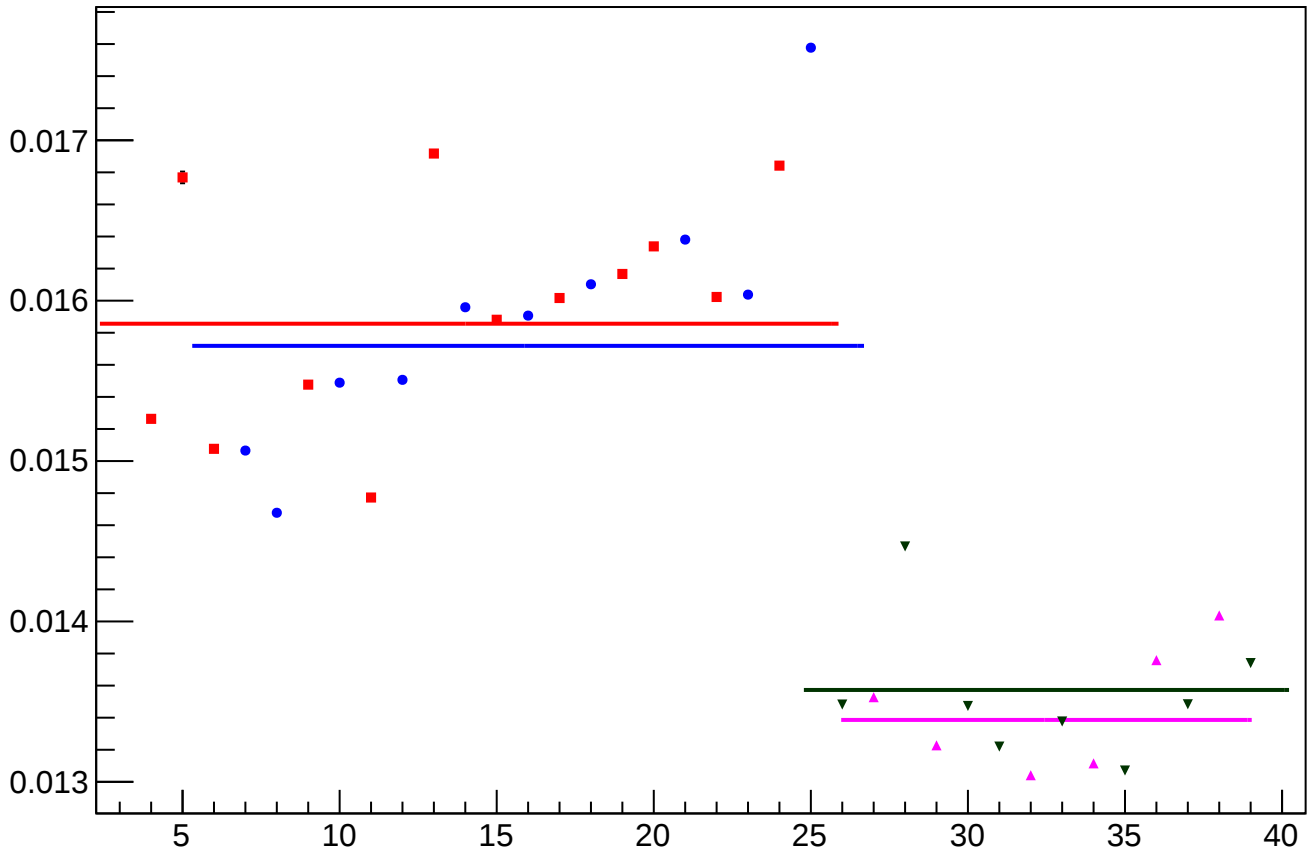
Right Out: 0.863+/-0.000 χ^2/NDF : 6919011.1/11

Left In: 0.917+/-0.000 χ^2/NDF :22849369.3/5

0.881+/-0.000 χ^2/NDF : 89261385.1/17

0.889+/-0.000 χ^2/NDF : 63957185.5/17

yield_bpm0l09X_rms vs slug



Right In: 0.016+/-0.000 χ^2/NDF : 20126.2/9

Left Out: 0.014+/-0.000 χ^2/NDF : 8080.0/7

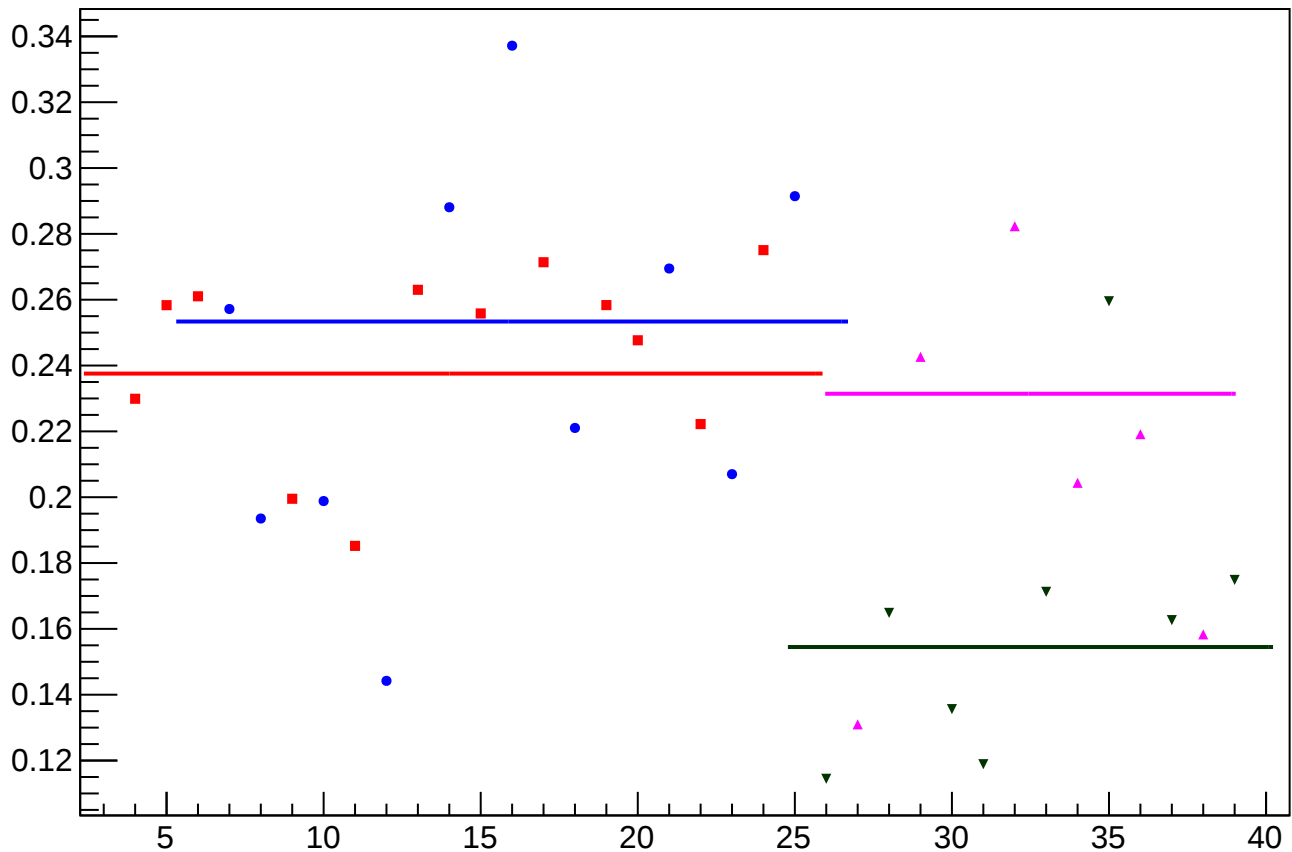
0.015+/-0.000 χ^2/NDF : 140182.9/17

Right Out: 0.016+/-0.000 χ^2/NDF : 24366.1/11

0.015+/-0.000 χ^2/NDF : 172675.6/17

Left In: 0.013+/-0.000 χ^2/NDF : 5014.9/5

yield_bpm0l09Y_mean vs slug



Right In: 0.253+/-0.000 χ^2/NDF : 1609781231.1/9

Left Out: 0.154+/-0.000 χ^2/NDF : 491237483.2/7

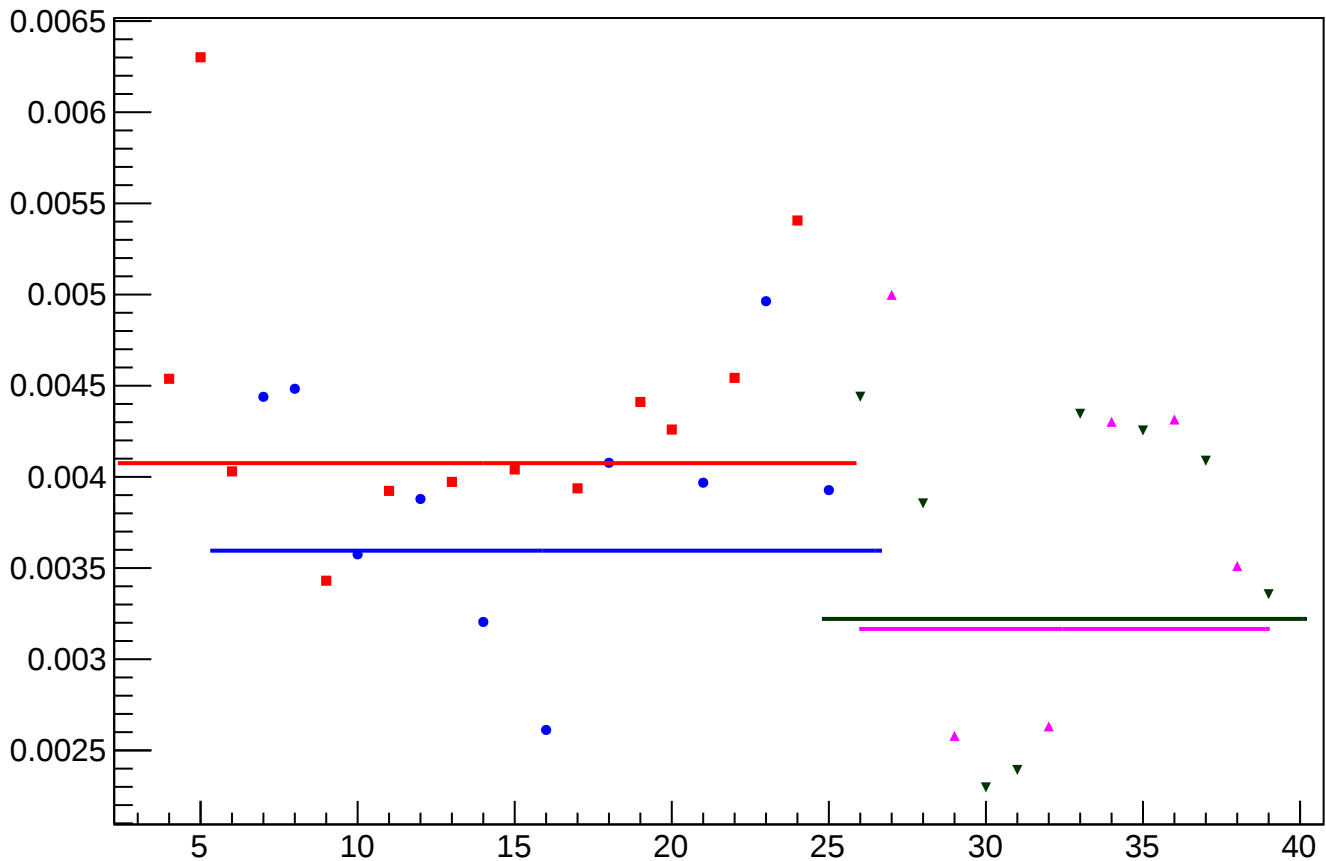
0.210+/-0.000 χ^2/NDF : 4056649782.2/17

Right Out: 0.238+/-0.000 χ^2/NDF : 338609573.2/11

0.234+/-0.000 χ^2/NDF : 1220983562.2/17

Left In: 0.231+/-0.000 χ^2/NDF : 875821995.2/5

yield_bpm0l09Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 390761.3/9

Left Out: 0.003+/-0.000 χ^2/NDF : 522478.8/7

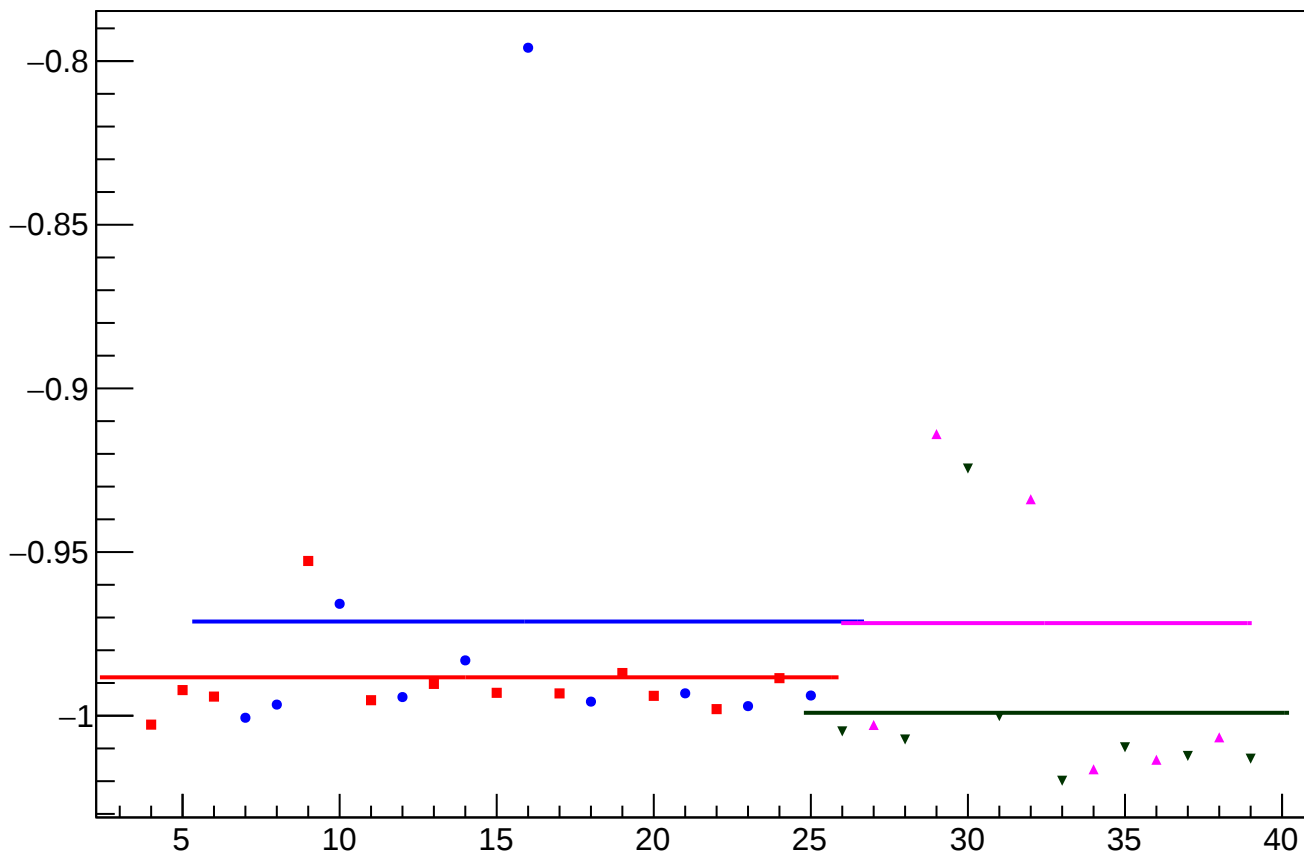
0.003+/-0.000 χ^2/NDF : 969262.0/17

Right Out: 0.004+/-0.000 χ^2/NDF : 164404.0/11

0.004+/-0.000 χ^2/NDF : 956273.8/17

Left In: 0.003+/-0.000 χ^2/NDF : 503381.3/5

yield_bpm0l10X_mean vs slug



Right In: -0.971+/-0.000 χ^2 /NDF: 89914110.4/9

Left Out: -0.999+/-0.000 χ^2 /NDF:20811161.5/7

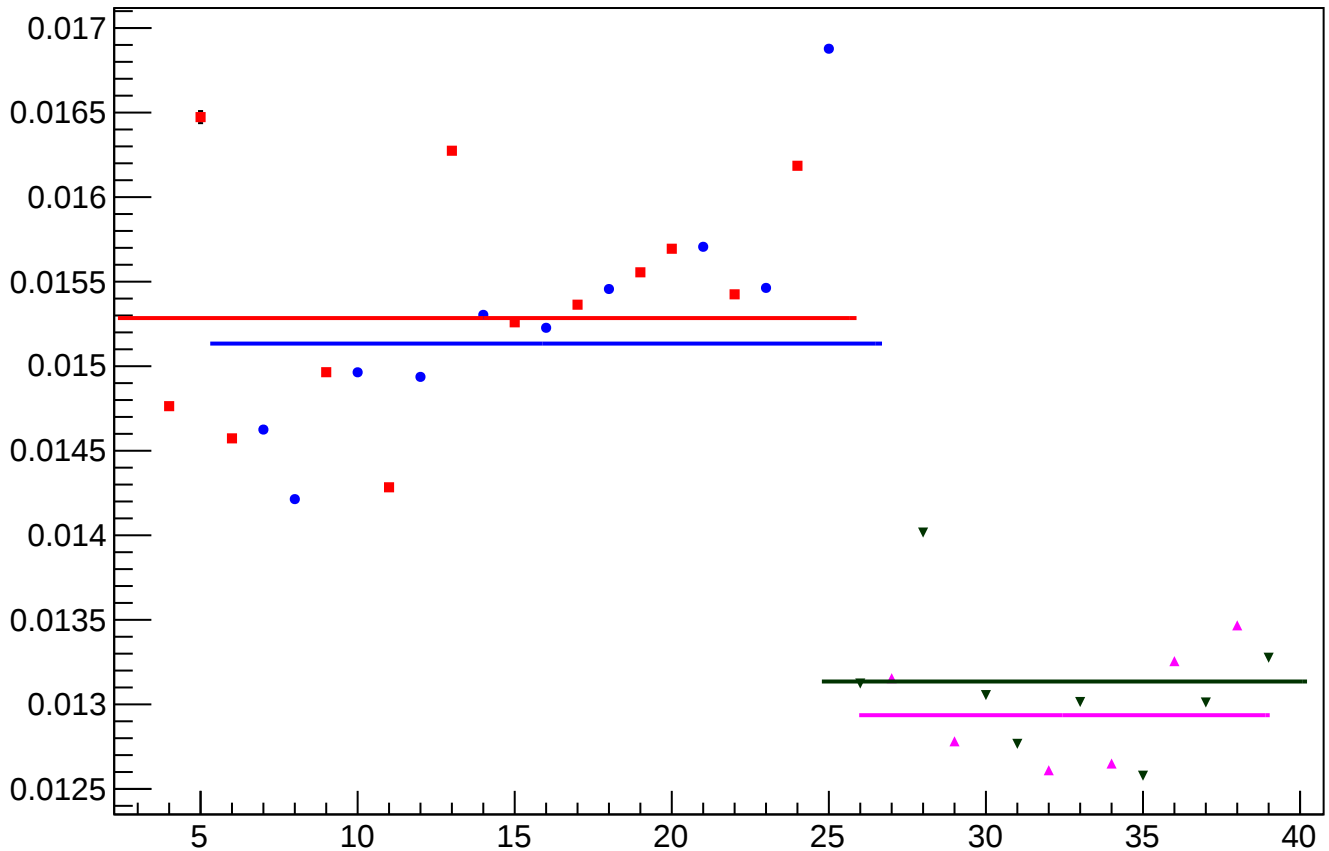
Right Out: -0.988+/-0.000 χ^2 /NDF: 5195068.8/11

Left In: -0.972+/-0.000 χ^2 /NDF:44326649.3/5

-0.984+/-0.000 χ^2 /NDF: 120859155.7/17

-0.980+/-0.000 χ^2 /NDF: 52971615.1/17

yield_bpm0l10X_rms vs slug



Right In: 0.015+/-0.000 χ^2/NDF : 16984.1/9

Left Out: 0.013+/-0.000 χ^2/NDF : 8608.7/7

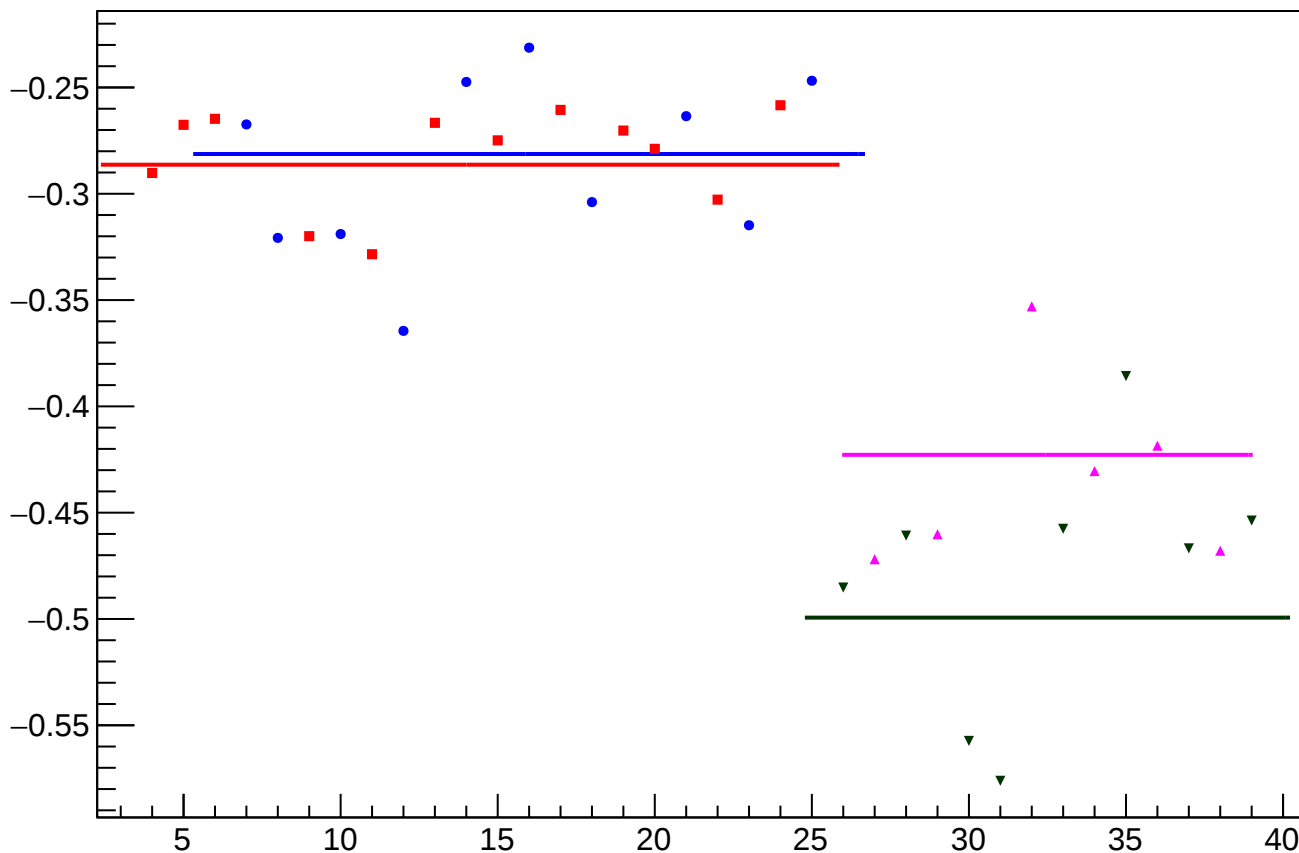
Right Out: 0.015+/-0.000 χ^2/NDF : 22407.0/11

Left In: 0.013+/-0.000 χ^2/NDF : 4559.4/5

0.014+/-0.000 χ^2/NDF : 129685.0/17

0.014+/-0.000 χ^2/NDF : 165769.2/17

yield_bpm0l10Y_mean vs slug



Right In: -0.281+/-0.000 χ^2/NDF : 977787208.1/9

Left Out: -0.499+/-0.000 χ^2/NDF : 1498197061.5/7

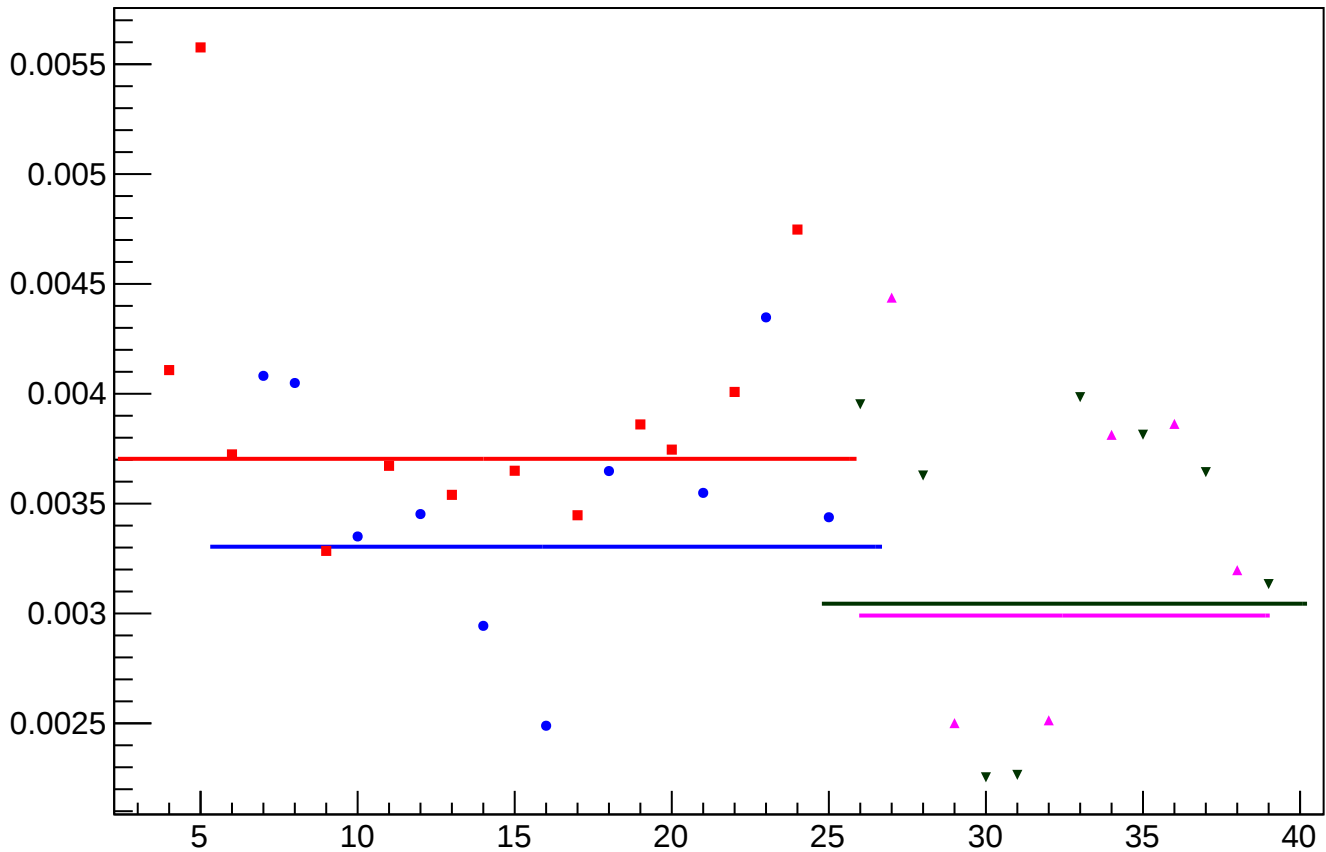
Right Out: -0.286+/-0.000 χ^2/NDF : 270487970.3/11

Left In: -0.423+/-0.000 χ^2/NDF : 1004132951.5/5

-0.375+/-0.000 χ^2/NDF : 13600234079.6/17

-0.353+/-0.000 χ^2/NDF : 5135420187.7/17

yield_bpm0l10Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 307709.2/9

Left Out: 0.003+/-0.000 χ^2/NDF : 414065.3/7

Right Out: 0.004+/-0.000 χ^2/NDF : 119237.1/11

Left In: 0.003+/-0.000 χ^2/NDF : 385727.2/5

0.003+/-0.000 χ^2/NDF : 753259.3/17

0.003+/-0.000 χ^2/NDF : 715933.3/17