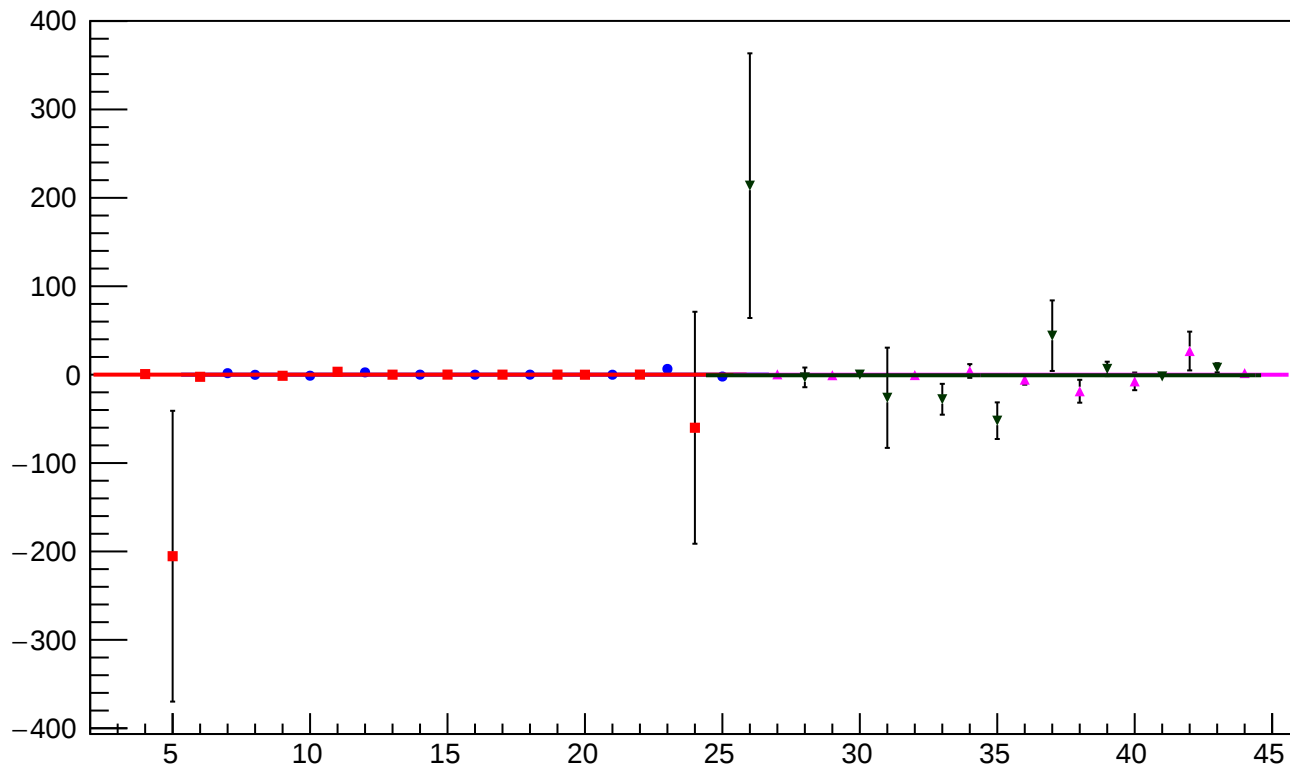


diff_cav4bX_mean vs slug



Right In: -0.014 ± 0.014

Left Out: -0.705 ± 1.554

Right Out: 0.017 ± 0.016

Left In: -0.086 ± 0.168

χ^2/NDF : 18.0/9

χ^2/NDF : 16.1/9

χ^2/NDF : 19.3/11

χ^2/NDF : 15.5/8

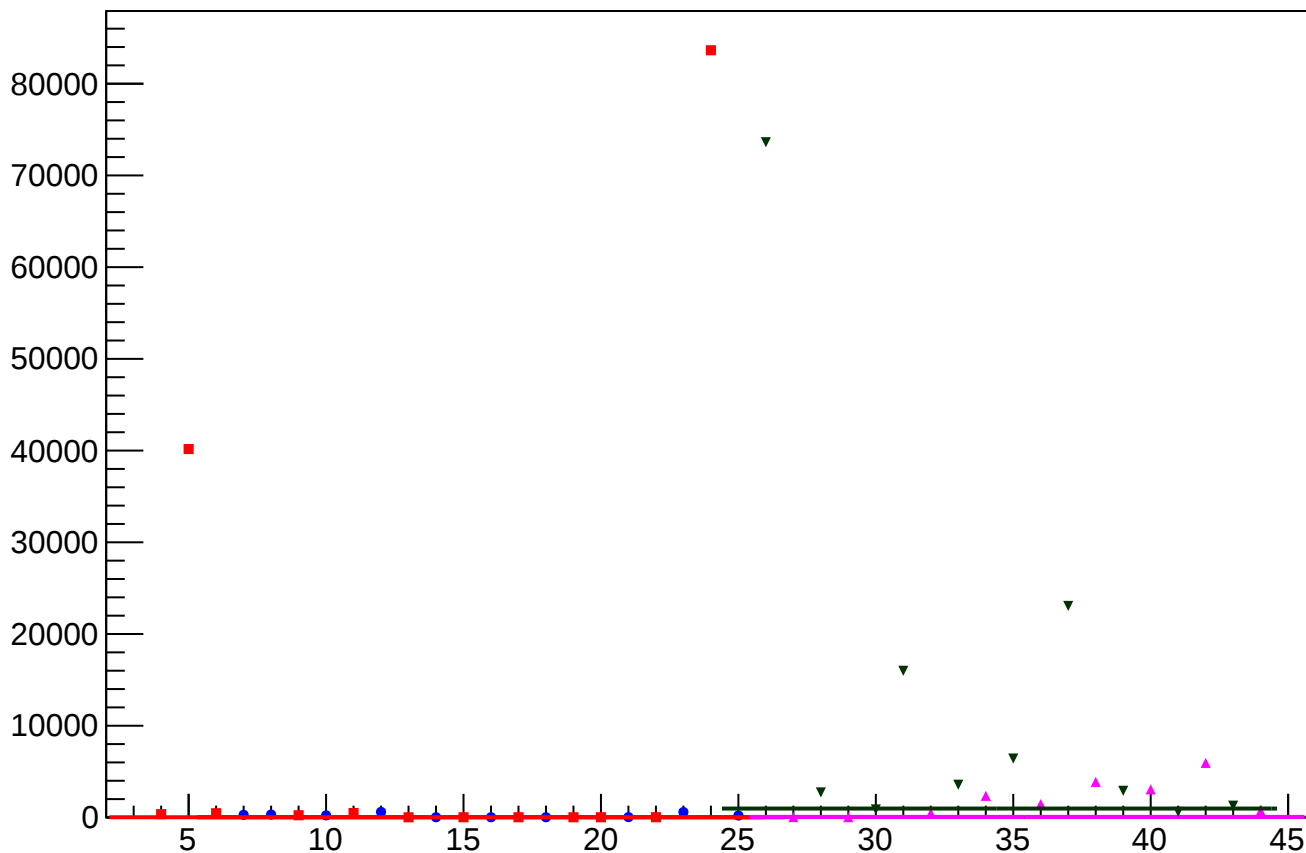
-0.014 ± 0.014

0.016 ± 0.016

χ^2/NDF : 34.2/19

χ^2/NDF : 35.2/20

diff_cav4bX_rms vs slug



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

Left Out: 971.291+/-1.099 χ^2 /NDF:1644176.9/9

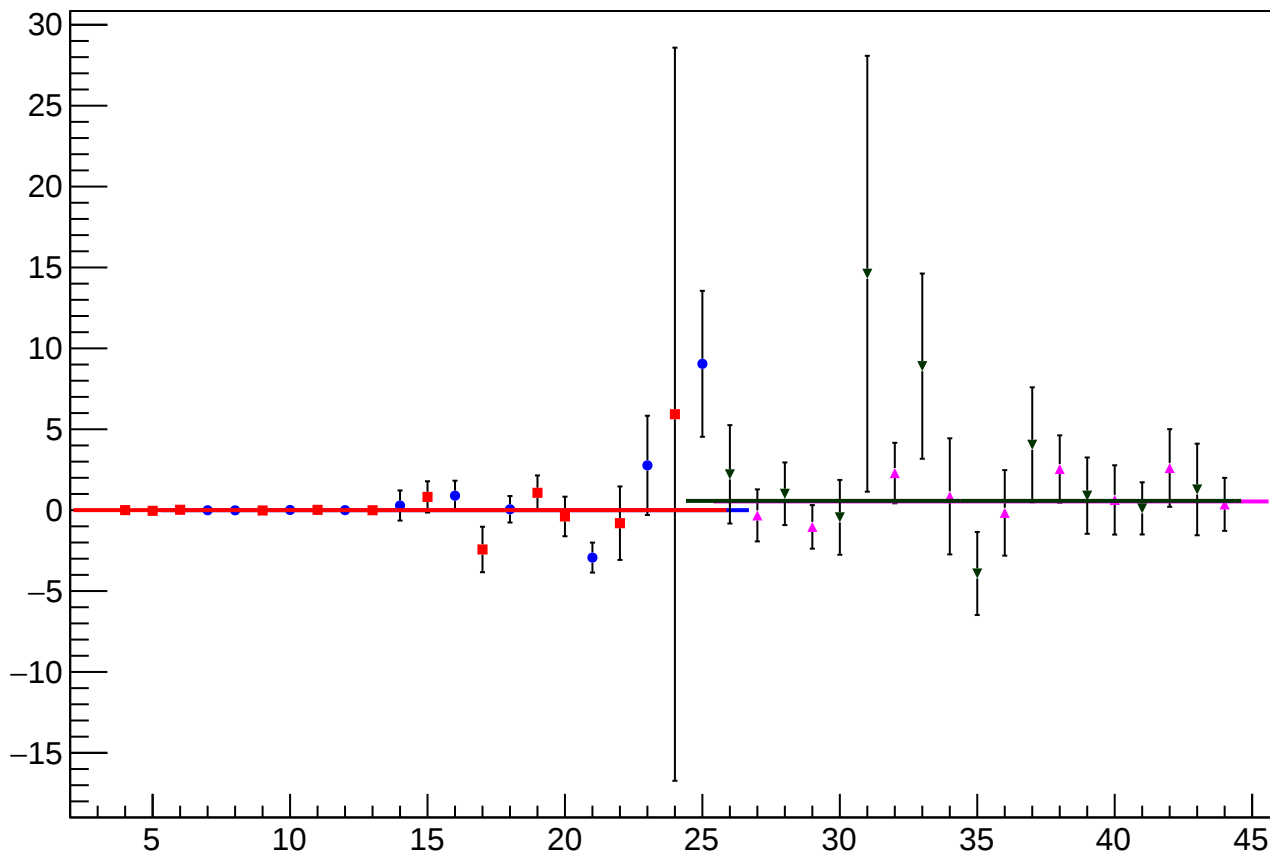
Right Out: 22.575+/-0.011 χ^2 /NDF: 1409994.7/11

Left In: 61.510+/-0.119 χ^2 /NDF:1572648.7/8

22.479+/-0.010 χ^2 /NDF: 3160590.4/19

22.930+/-0.011 χ^2 /NDF: 3088809.1/20

diff_cav4bY_mean vs slug



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

Left Out: 0.573 ± 0.812 χ^2/NDF : 7.9/9

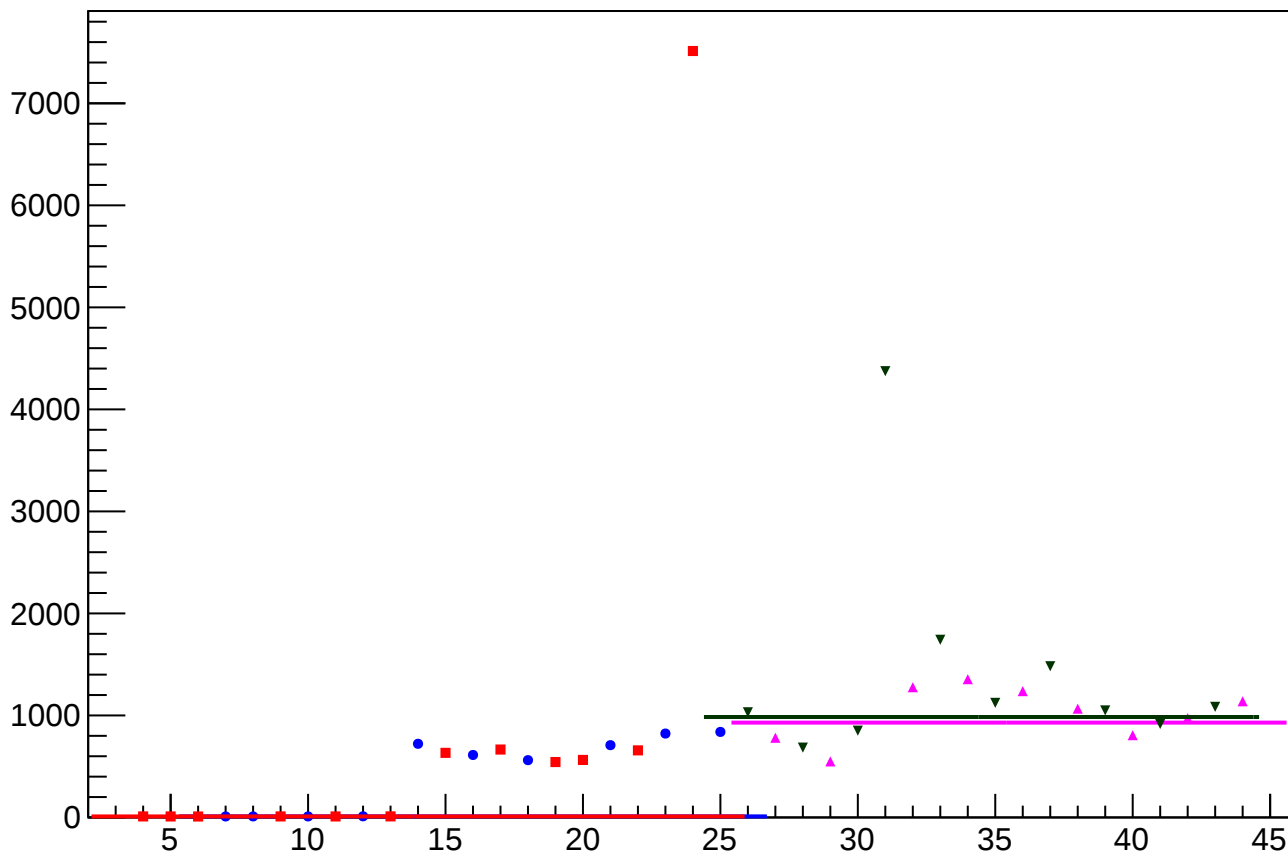
Right Out: 0.002 ± 0.005 χ^2/NDF : 17.0/11

Left In: 0.538 ± 0.640 χ^2/NDF : 4.3/8

-0.001 ± 0.006 χ^2/NDF : 26.6/19

0.002 ± 0.005 χ^2/NDF : 22.0/20

diff_cav4bY_rms vs slug



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

Left Out: 984.552+/-0.574 χ^2/NDF : 269608.6/9

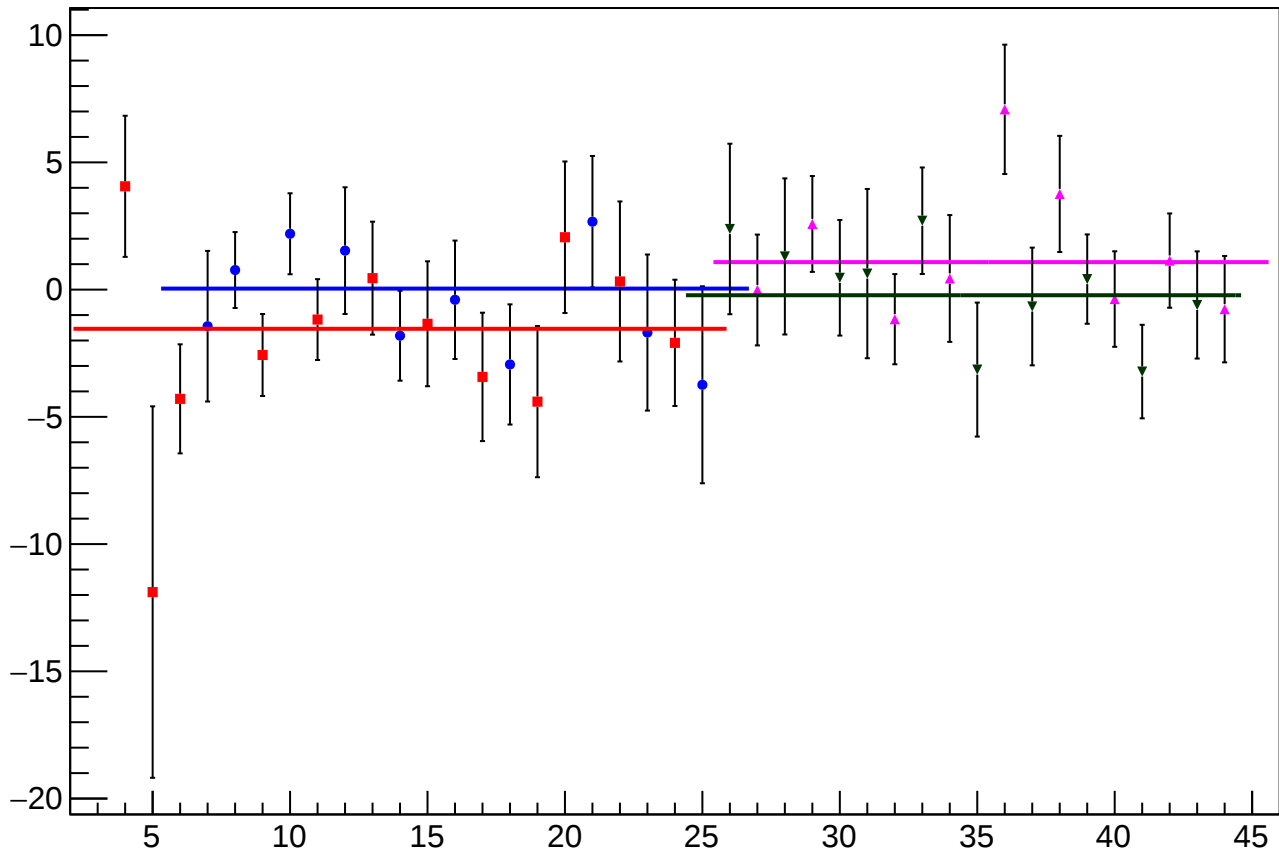
Right Out: 10.074+/-0.004 χ^2/NDF : 2563210.4/11

Left In: 929.625+/-0.453 χ^2/NDF : 348934.3/8

10.552+/-0.005 χ^2/NDF : 7428149.1/19

10.141+/-0.004 χ^2/NDF : 7038449.7/20

diff_cav4cX_mean vs slug



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

Left Out: -0.221 $\pm$ 0.728 χ^2 /NDF: 7.1/9

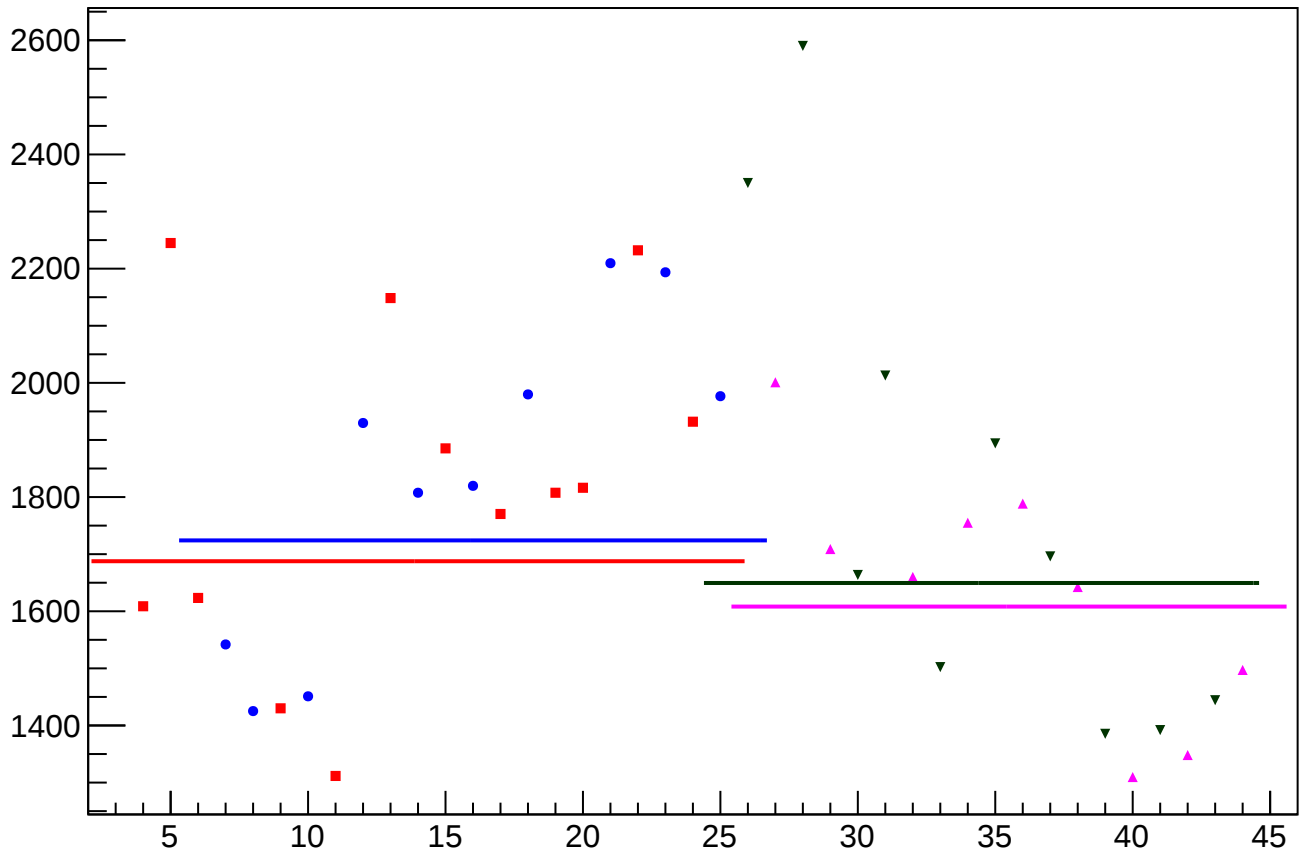
Right Out: -1.539 $\pm$ 0.680 χ^2 /NDF: 12.4/11

Left In: 1.080 $\pm$ 0.686 χ^2 /NDF: 10.9/8

-0.083 $\pm$ 0.499 χ^2 /NDF: 14.8/19

-0.242 $\pm$ 0.483 χ^2 /NDF: 30.6/20

diff_cav4cX_rms vs slug



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

Left Out: 1649.544+/-0.515 χ^2/NDF : 430962.0/9

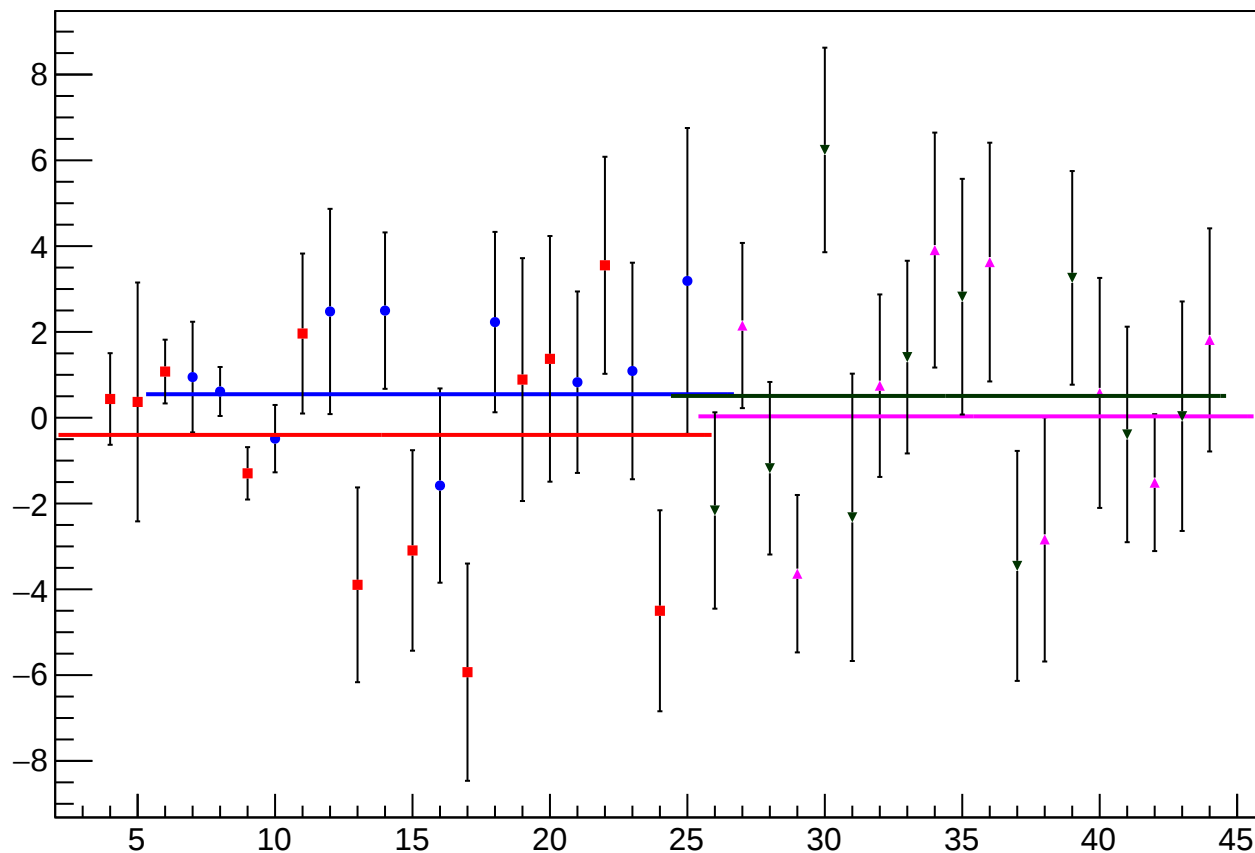
Right Out: 1687.646+/-0.481 χ^2/NDF : 366003.0/11

Left In: 1608.232+/-0.485 χ^2/NDF : 185602.9/8

1689.070+/-0.353 χ^2/NDF : 759798.6/19

1648.317+/-0.342 χ^2/NDF : 565123.8/20

diff_cav4cY_mean vs slug



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

Left Out: 0.508 ± 0.783 $\chi^2/\text{NDF}: 13.0/9$

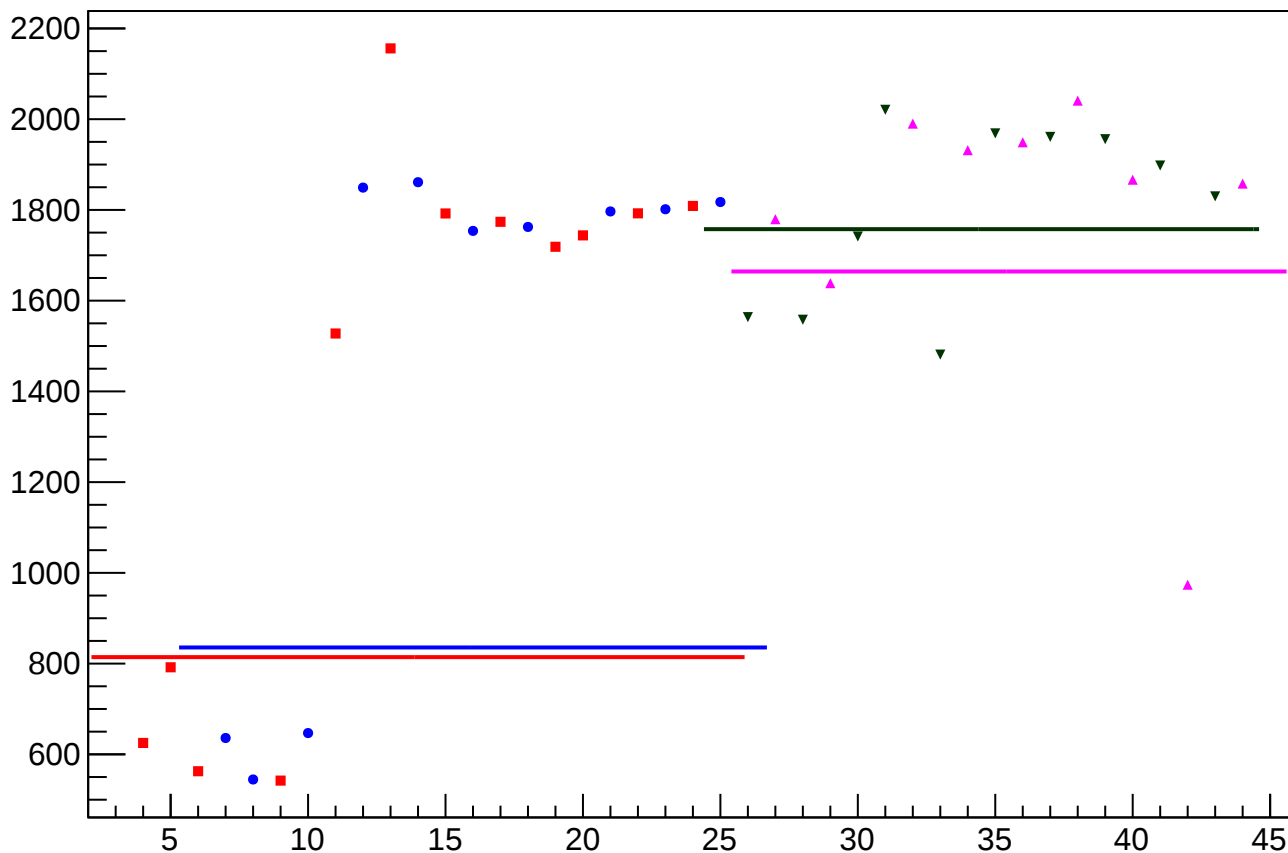
Right Out: -0.401 ± 0.381 $\chi^2/\text{NDF}: 23.0/11$

Left In: 0.032 ± 0.735 $\chi^2/\text{NDF}: 11.5/8$

0.540 ± 0.348 $\chi^2/\text{NDF}: 18.8/19$

-0.309 ± 0.338 $\chi^2/\text{NDF}: 34.7/20$

diff_cav4cY_rms vs slug



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

Left Out: 1757.602+/-0.553 χ^2/NDF :120517.6/9

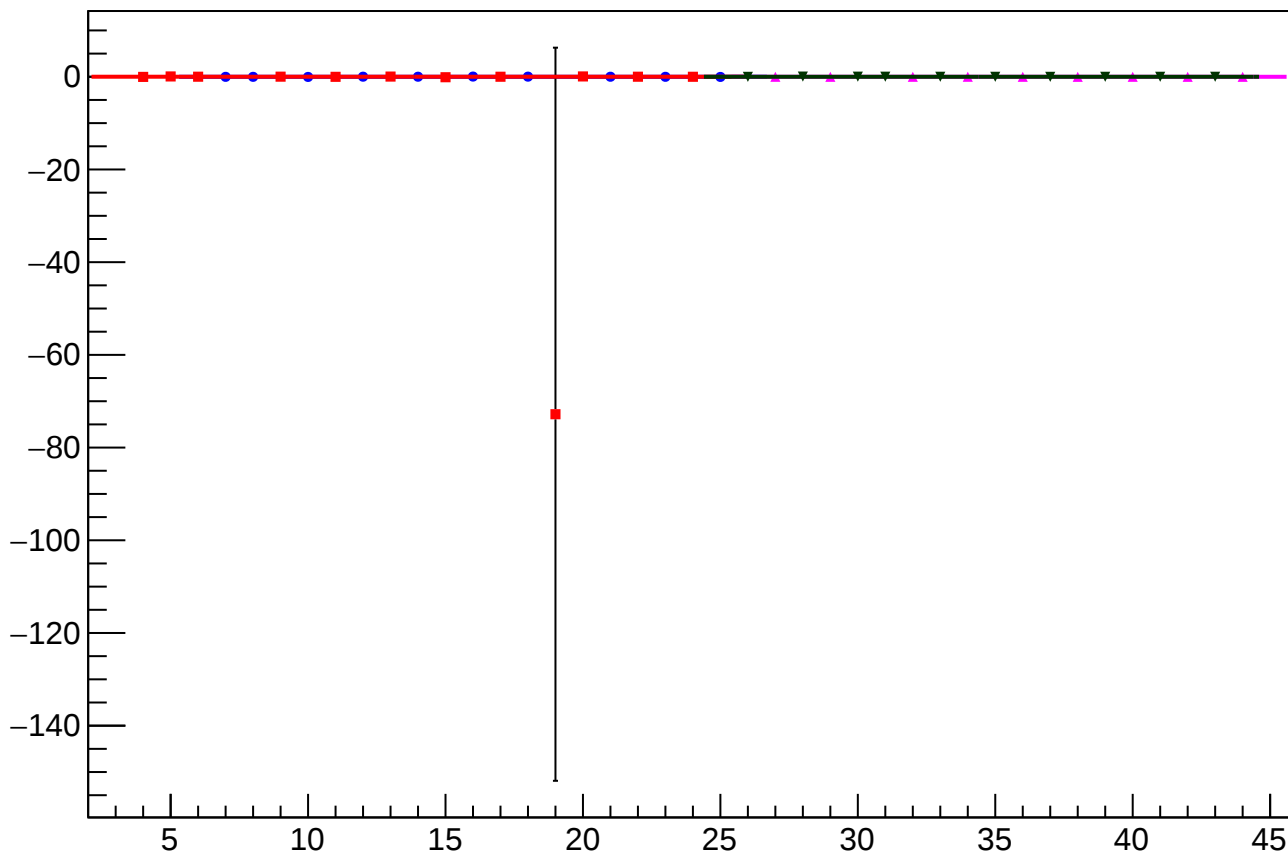
Right Out: 814.291+/-0.269 χ^2/NDF : 3392438.7/11

Left In: 1664.321+/-0.519 χ^2/NDF :526488.2/8

1017.419+/-0.246 χ^2/NDF : 5598805.0/19

994.163+/-0.239 χ^2/NDF : 6030555.9/20

diff_cav4dX_mean vs slug



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

Left Out: 0.001 $\pm$ 0.004 χ^2 /NDF: 8.6/9

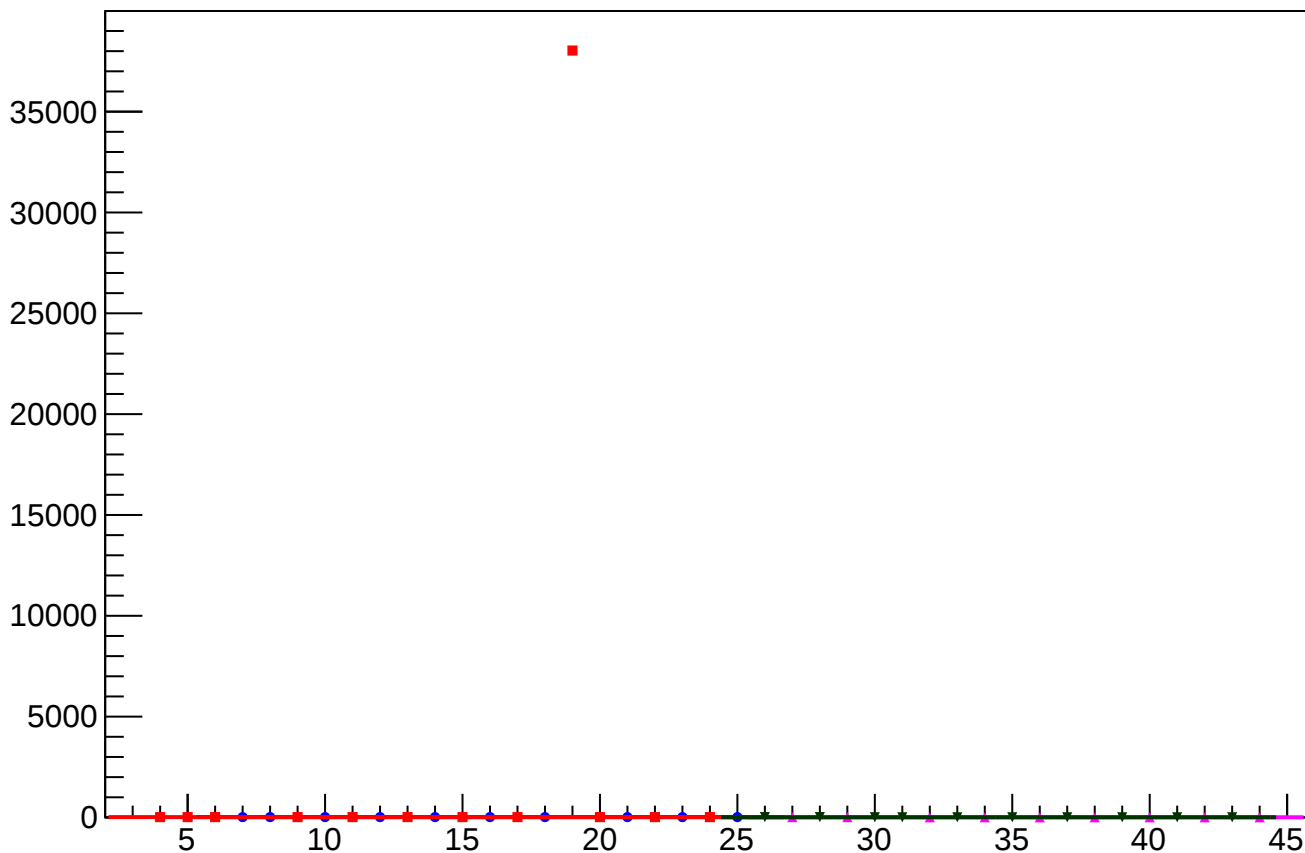
Right Out: 0.011 $\pm$ 0.008 χ^2 /NDF: 11.3/11

Left In: -0.003 $\pm$ 0.004 χ^2 /NDF: 1.2/8

-0.000 $\pm$ 0.004 χ^2 /NDF: 15.1/19

-0.000 $\pm$ 0.004 χ^2 /NDF: 15.2/20

diff_cav4dX_rms vs slug



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

Left Out: 9.339+/-0.003 χ^2/NDF : 592494.4/9

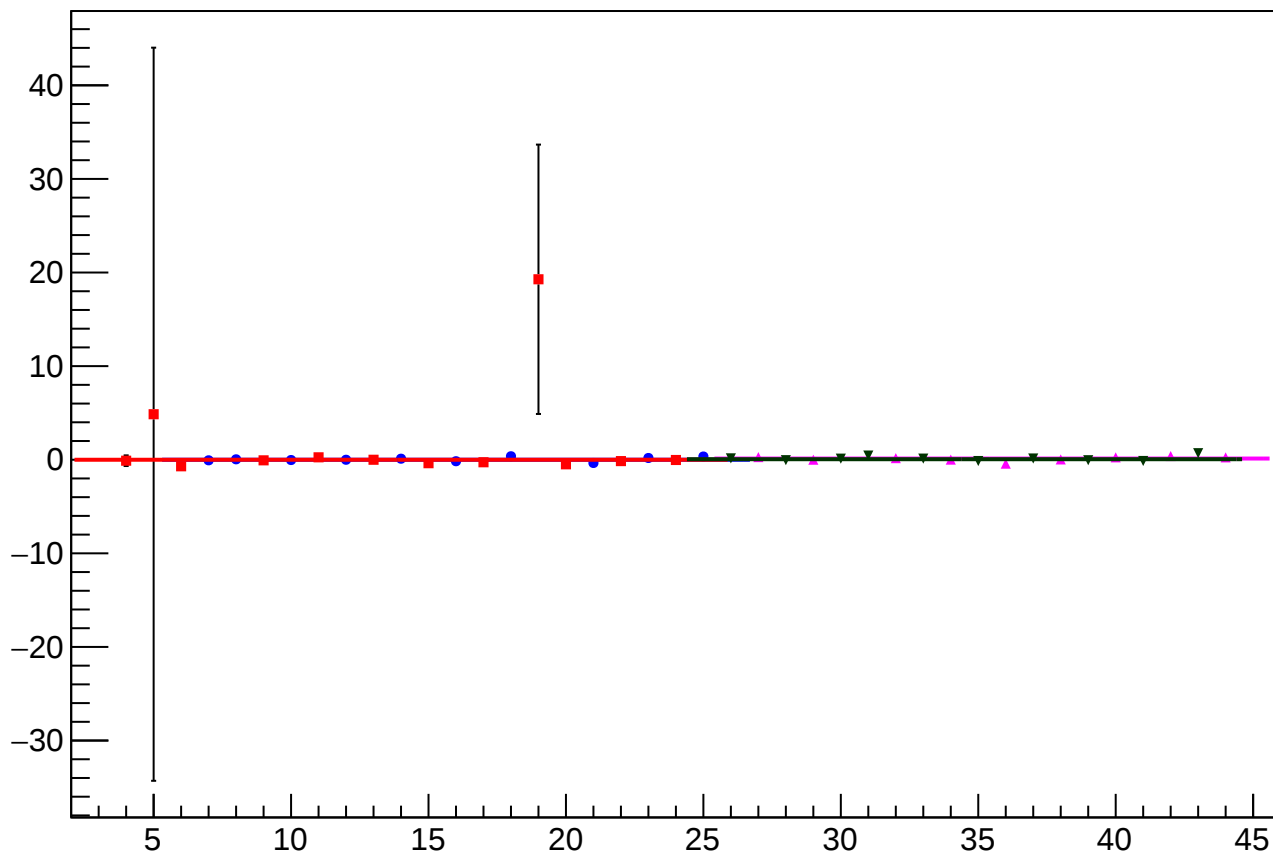
Right Out: 17.562+/-0.006 χ^2/NDF : 466099.2/11

Left In: 9.359+/-0.003 χ^2/NDF : 755521.7/8

11.155+/-0.003 χ^2/NDF : 2268299.1/19

11.088+/-0.003 χ^2/NDF : 2890528.4/20

diff_cav4dY_mean vs slug



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

Left Out: 0.055 ± 0.058 χ^2/NDF : 11.5/9

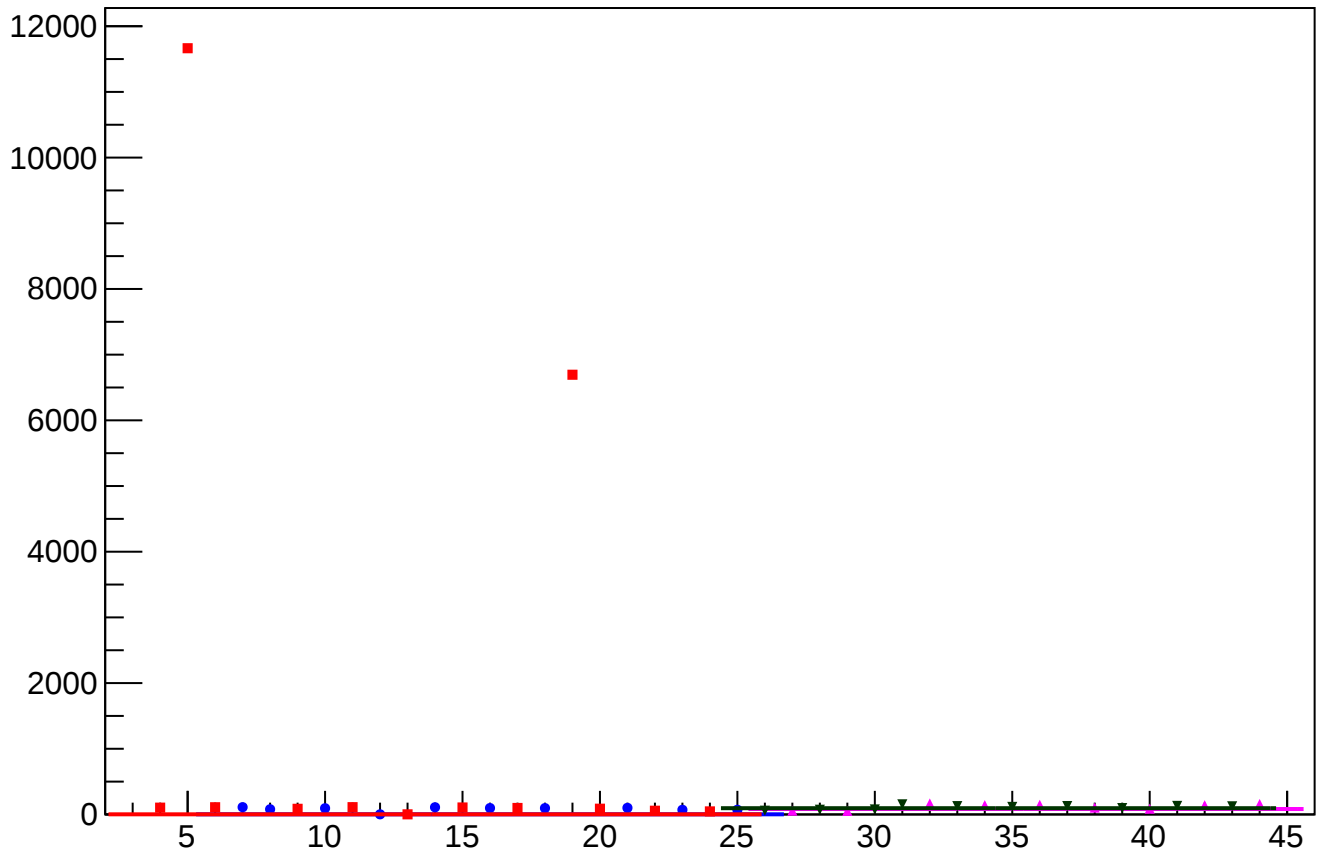
Right Out: -0.003 ± 0.003 χ^2/NDF : 12.3/11

Left In: 0.127 ± 0.053 χ^2/NDF : 9.8/8

-0.002 ± 0.003 χ^2/NDF : 27.5/19

-0.002 ± 0.003 χ^2/NDF : 27.9/20

diff_cav4dY_rms vs slug



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

Left Out: 95.280+/-0.041 χ^2/NDF :442454.1/9

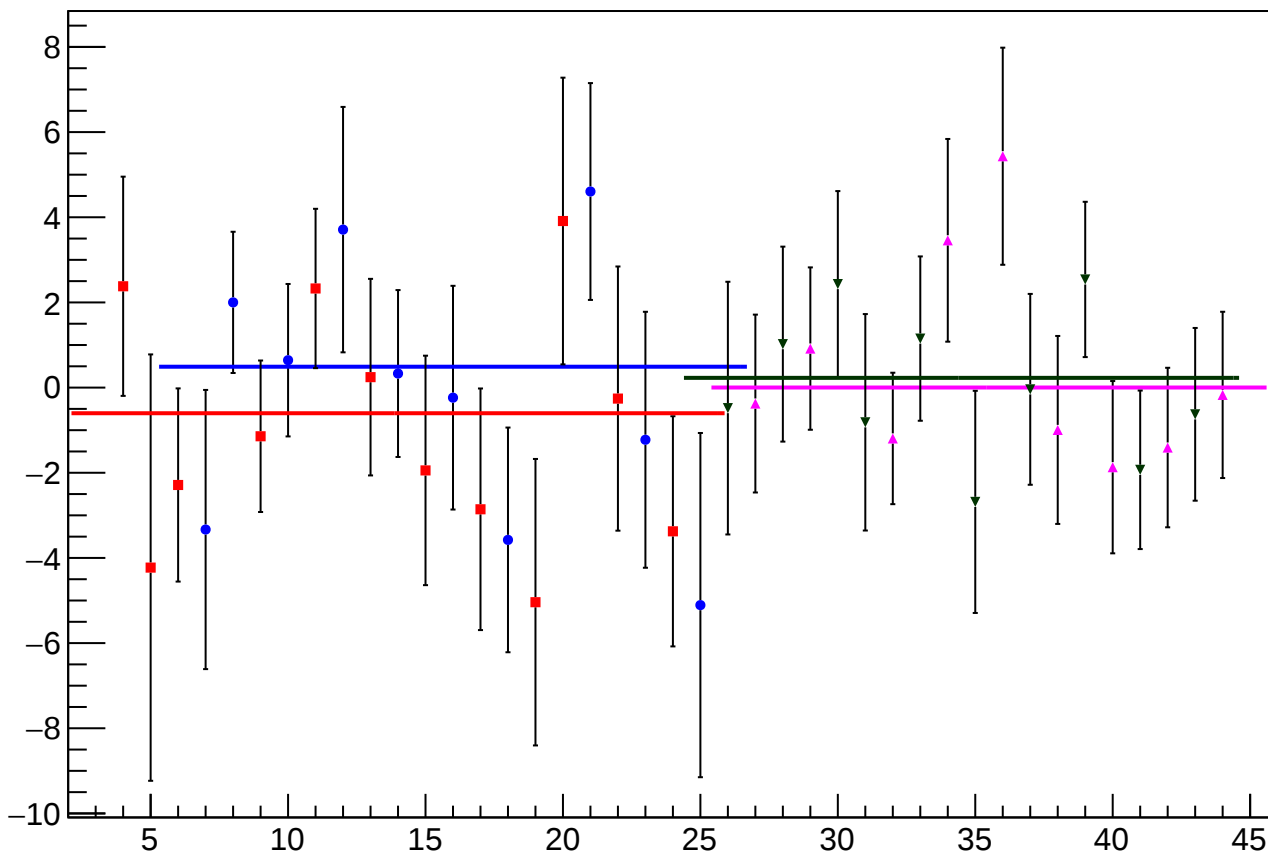
2.396+/-0.002 χ^2/NDF : 11430308.0/19

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

2.315+/-0.002 χ^2/NDF : 9885659.4/20

Left In: 82.887+/-0.038 χ^2/NDF :1078939.0/8

diff_bpm4aX_mean vs slug



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

Left Out: 0.229 ± 0.687 χ^2/NDF : 6.0/9

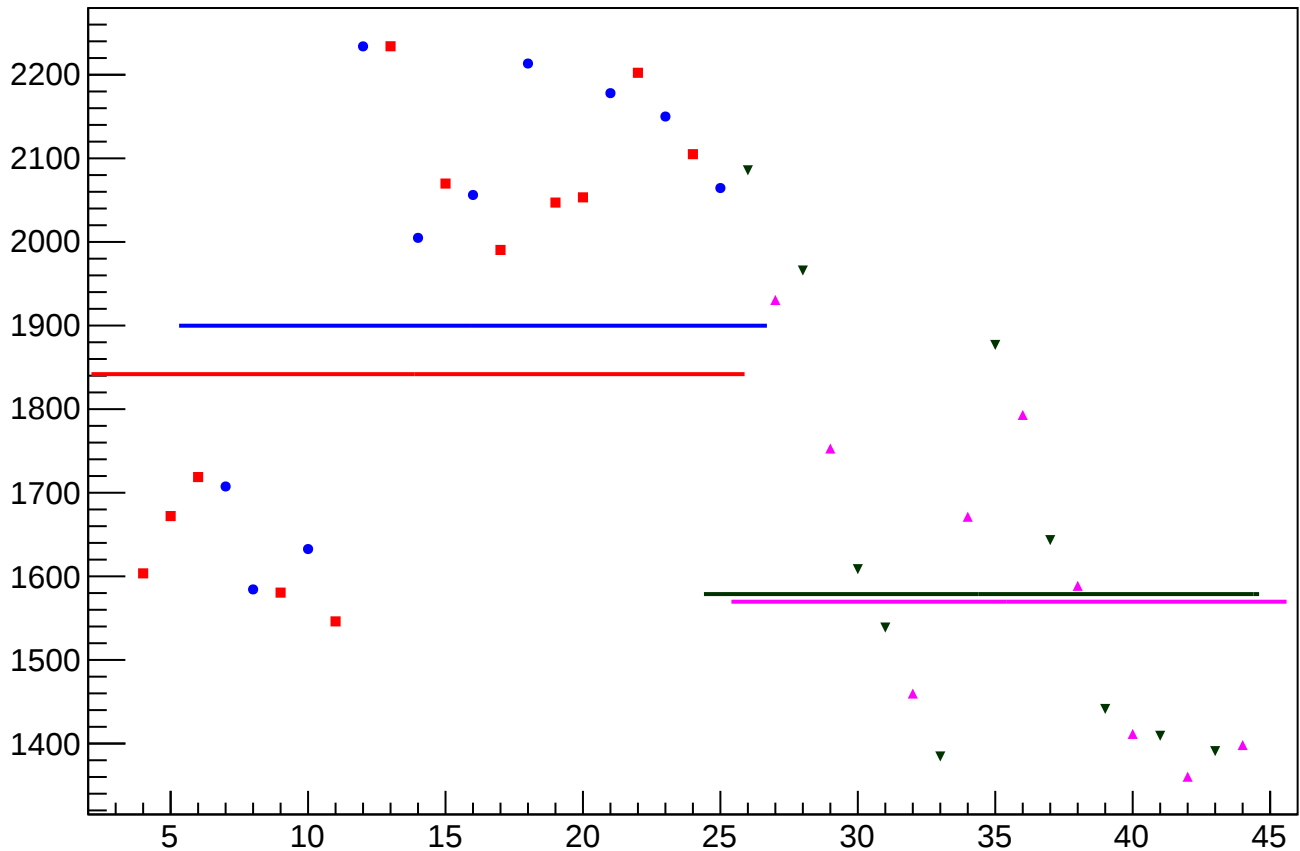
Right Out: -0.602 ± 0.734 χ^2/NDF : 10.6/11

Left In: 0.002 ± 0.666 χ^2/NDF : 9.1/8

0.348 ± 0.508 χ^2/NDF : 16.8/19

-0.271 ± 0.494 χ^2/NDF : 20.1/20

diff_bpm4aX_rms vs slug



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

Left Out: 1578.790+/-0.486 χ^2/NDF : 209553.9/9

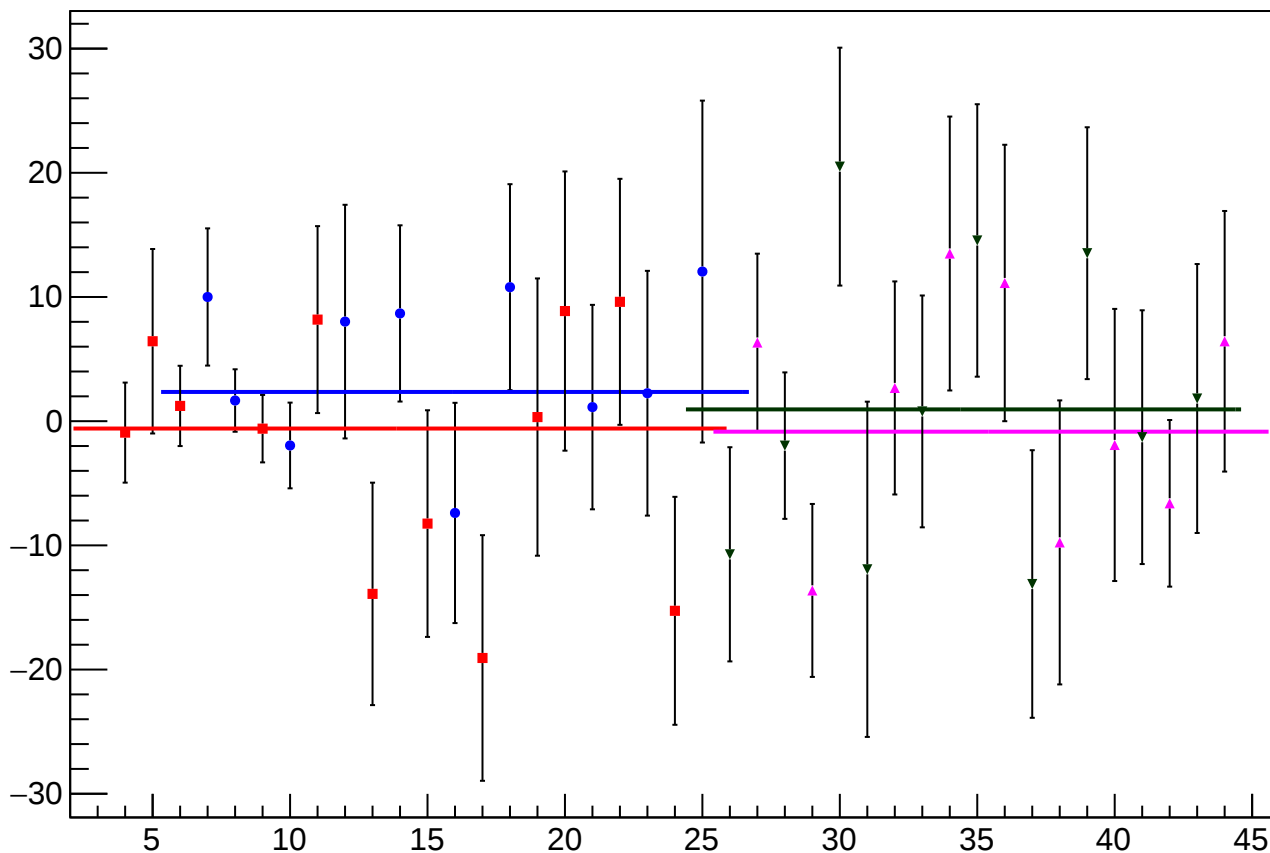
1724.759+/-0.359 χ^2/NDF : 640755.2/19

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

1692.592+/-0.349 χ^2/NDF : 568203.7/20

Left In: 1569.664+/-0.471 χ^2/NDF : 160150.1/8

diff_bpm4aY_mean vs slug



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

Left Out: 0.949 ± 2.951 $\chi^2/\text{NDF}: 12.0/9$

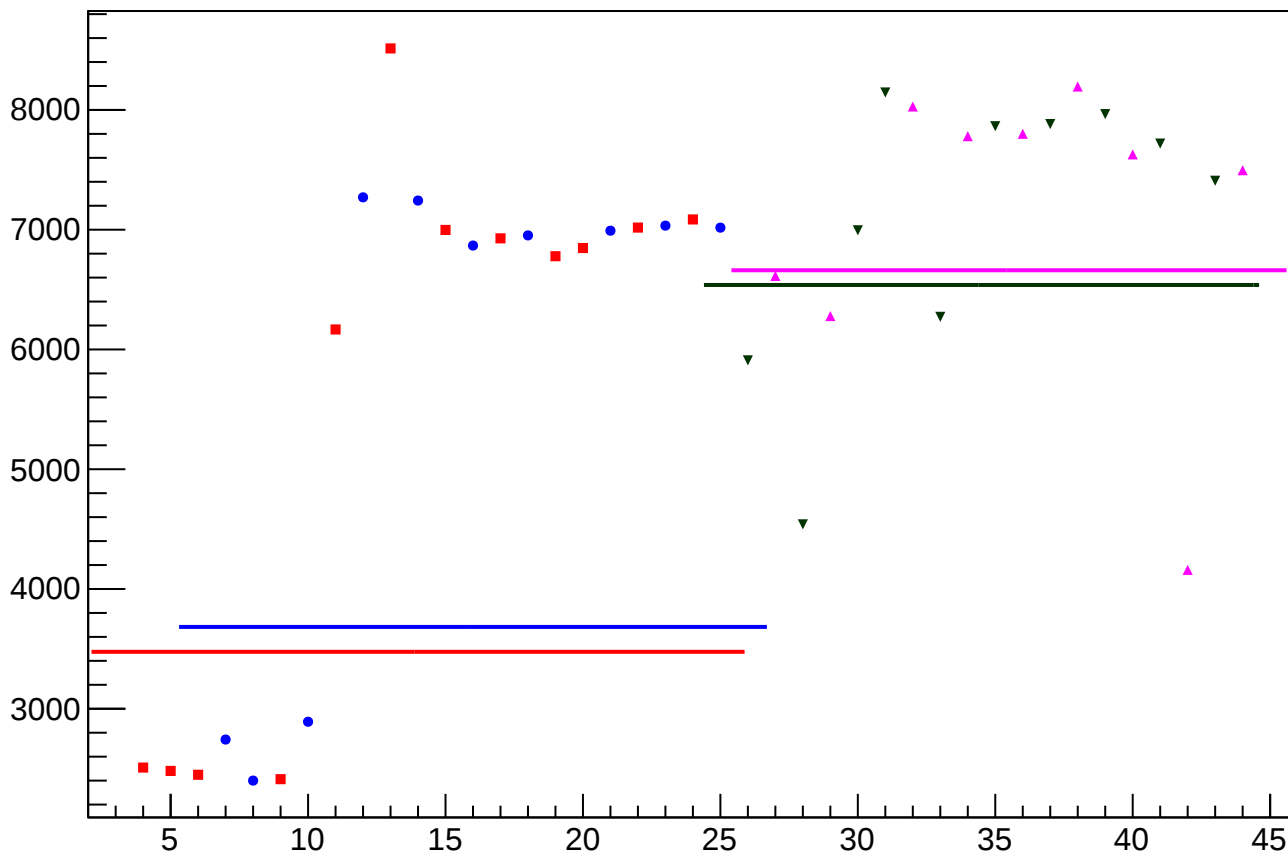
Right Out: -0.592 ± 1.578 $\chi^2/\text{NDF}: 13.3/11$

Left In: -0.846 ± 2.920 $\chi^2/\text{NDF}: 9.2/8$

2.017 ± 1.446 $\chi^2/\text{NDF}: 19.6/19$

-0.649 ± 1.388 $\chi^2/\text{NDF}: 22.6/20$

diff_bpm4aY_rms vs slug



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

Left Out: 6538.498+/-2.087 χ^2/NDF : 414494.7/9

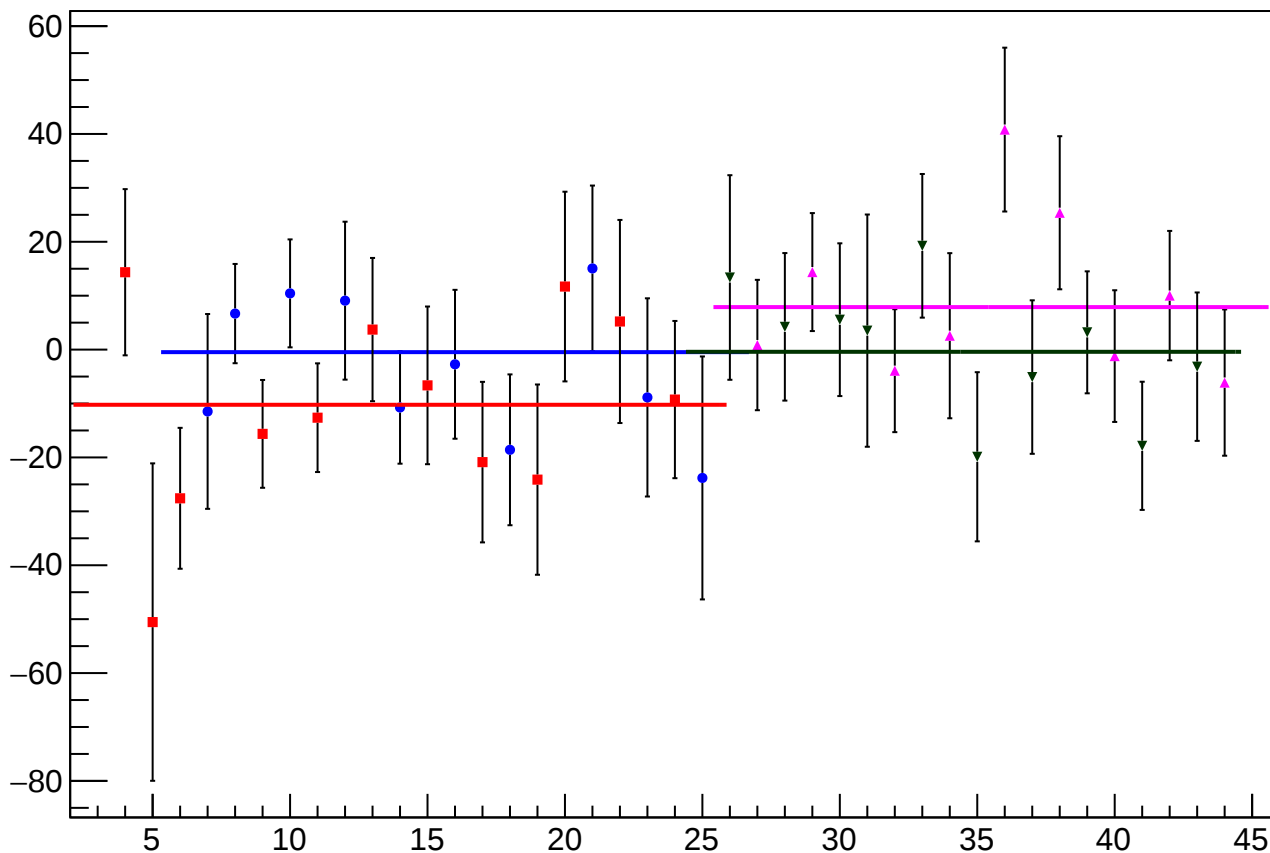
Right Out: 3475.466+/-1.116 χ^2/NDF : 3010113.2/11

Left In: 6661.262+/-2.064 χ^2/NDF : 440852.9/8

4368.559+/-1.022 χ^2/NDF : 4555934.7/19

4195.933+/-0.982 χ^2/NDF : 5293785.6/20

diff_bpm4eX_mean vs slug



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

Left Out: -0.408 ± 4.470 χ^2/NDF : 7.0/9

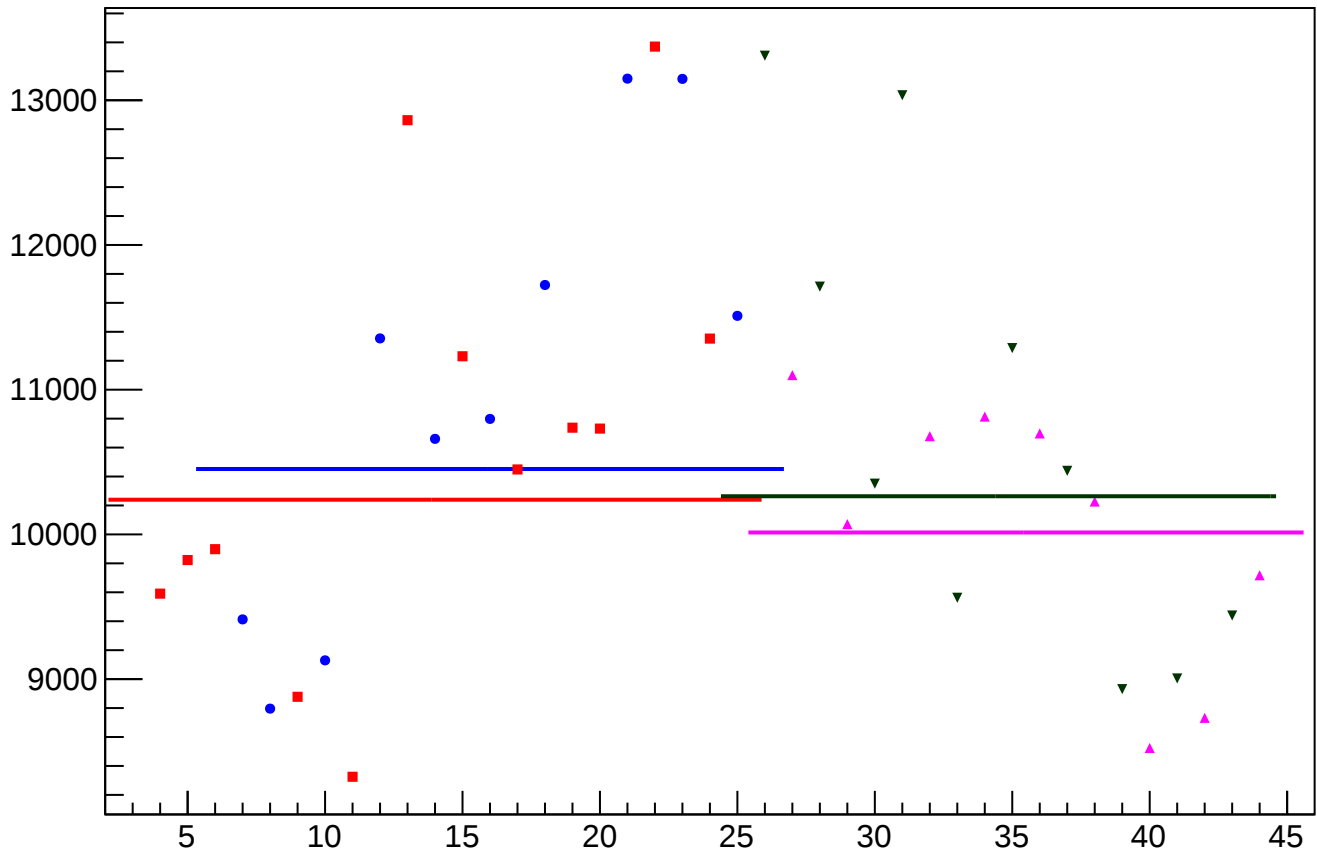
Right Out: -10.234 ± 4.087 χ^2/NDF : 11.1/11

Left In: 7.884 ± 4.244 χ^2/NDF : 9.7/8

-0.442 ± 3.039 χ^2/NDF : 14.5/19

-1.516 ± 2.944 χ^2/NDF : 30.3/20

diff_bpm4eX_rms vs slug



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

Left Out: 10263.647+/-3.161 χ^2/NDF : 178797.8/9

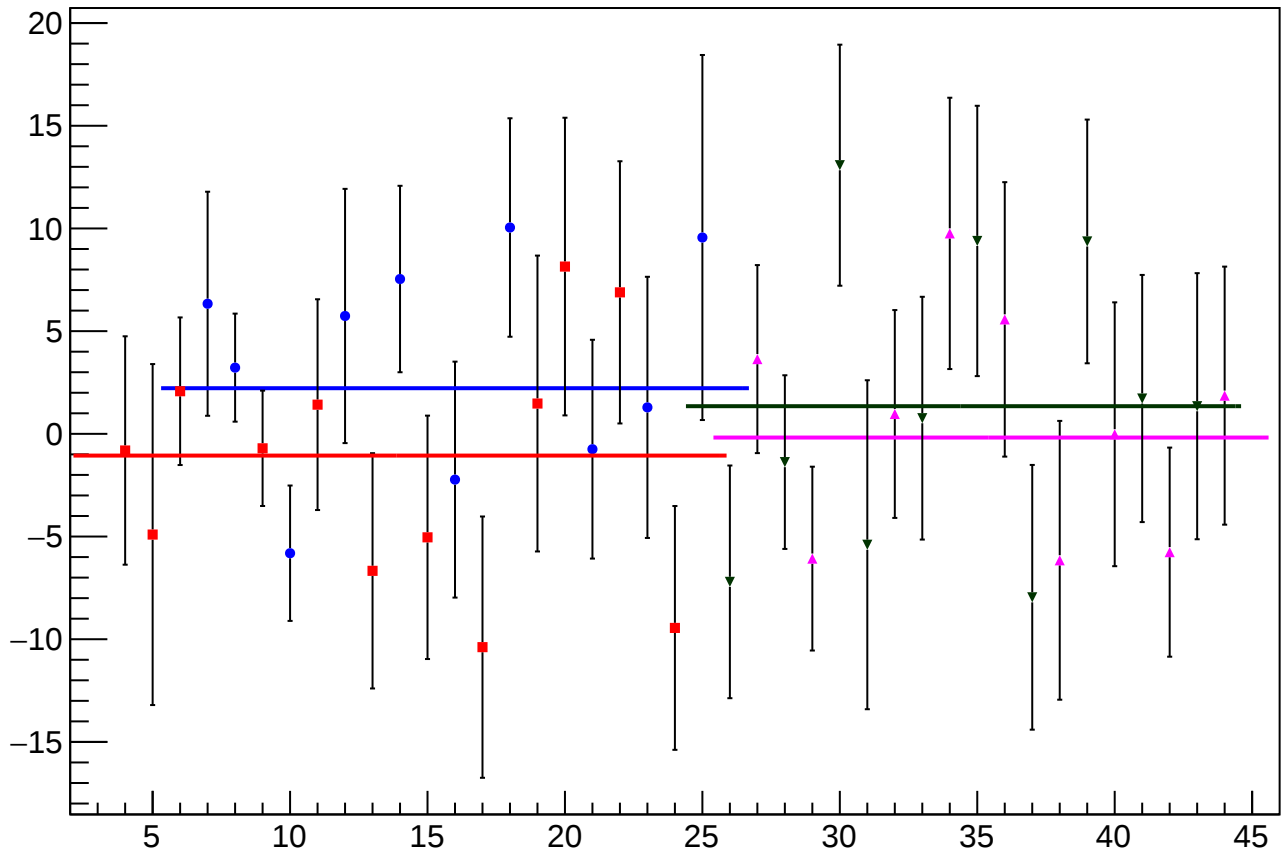
10364.892+/-2.149 χ^2/NDF : 422069.8/19

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

10130.782+/-2.082 χ^2/NDF : 361514.5/20

Left In: 10013.319+/-3.001 χ^2/NDF : 86488.8/8

diff_bpm4eY_mean vs slug



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

Left Out: 1.346 ± 1.865 $\chi^2/\text{NDF}: 12.8/9$

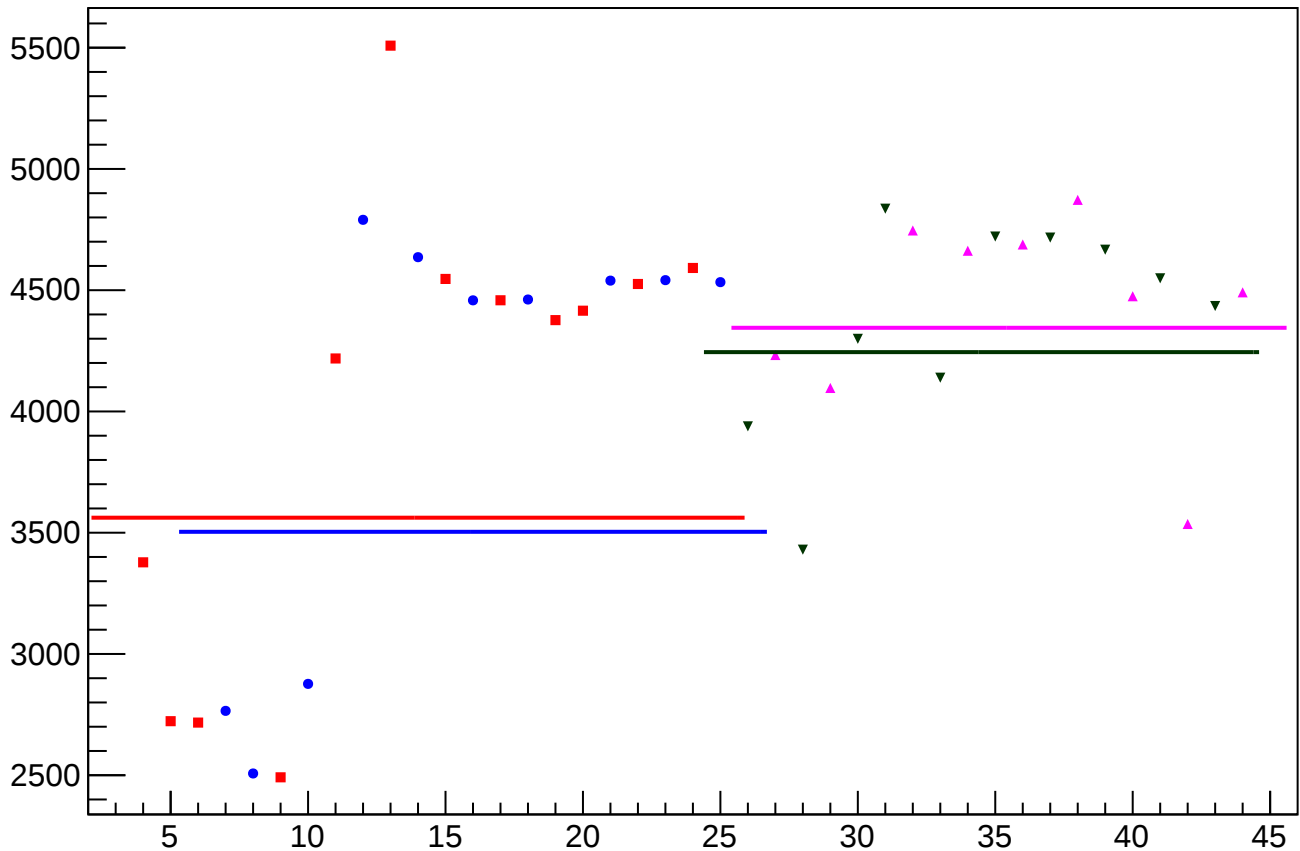
Right Out: -1.058 ± 1.468 $\chi^2/\text{NDF}: 10.1/11$

Left In: -0.180 ± 1.851 $\chi^2/\text{NDF}: 7.6/8$

1.895 ± 1.139 $\chi^2/\text{NDF}: 25.1/19$

-0.719 ± 1.150 $\chi^2/\text{NDF}: 17.8/20$

diff_bpm4eY_rms vs slug



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

Left Out: 4244.655+/-1.319 χ^2/NDF :130015.1/9

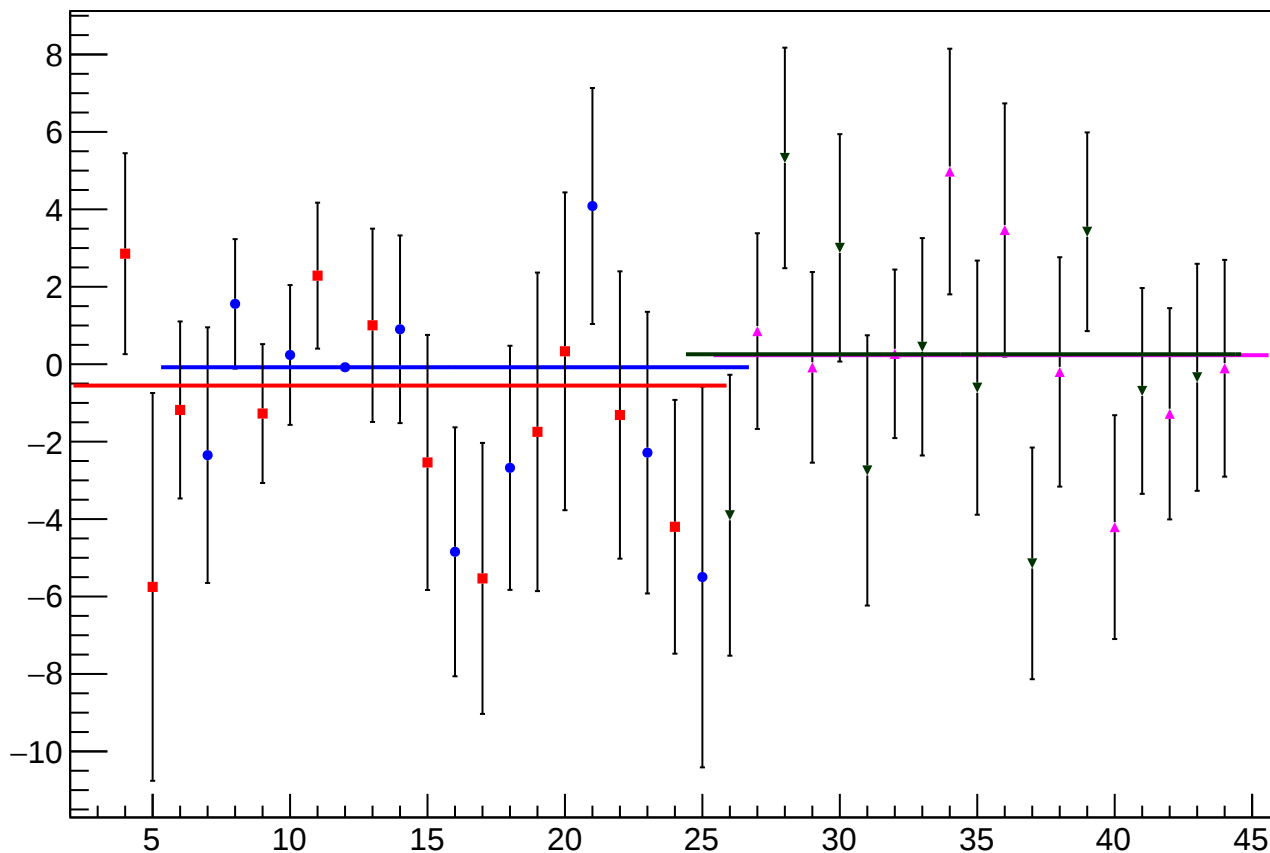
Right Out: 3561.943+/-1.038 χ^2/NDF : 941598.3/11

Left In: 4345.018+/-1.309 χ^2/NDF :94341.4/8

3780.095+/-0.806 χ^2/NDF : 1210703.4/19

3864.343+/-0.813 χ^2/NDF : 1255689.4/20

diff_bpm4acX_mean vs slug



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

Left Out: 0.257 ± 0.937 χ^2/NDF : 11.1/9

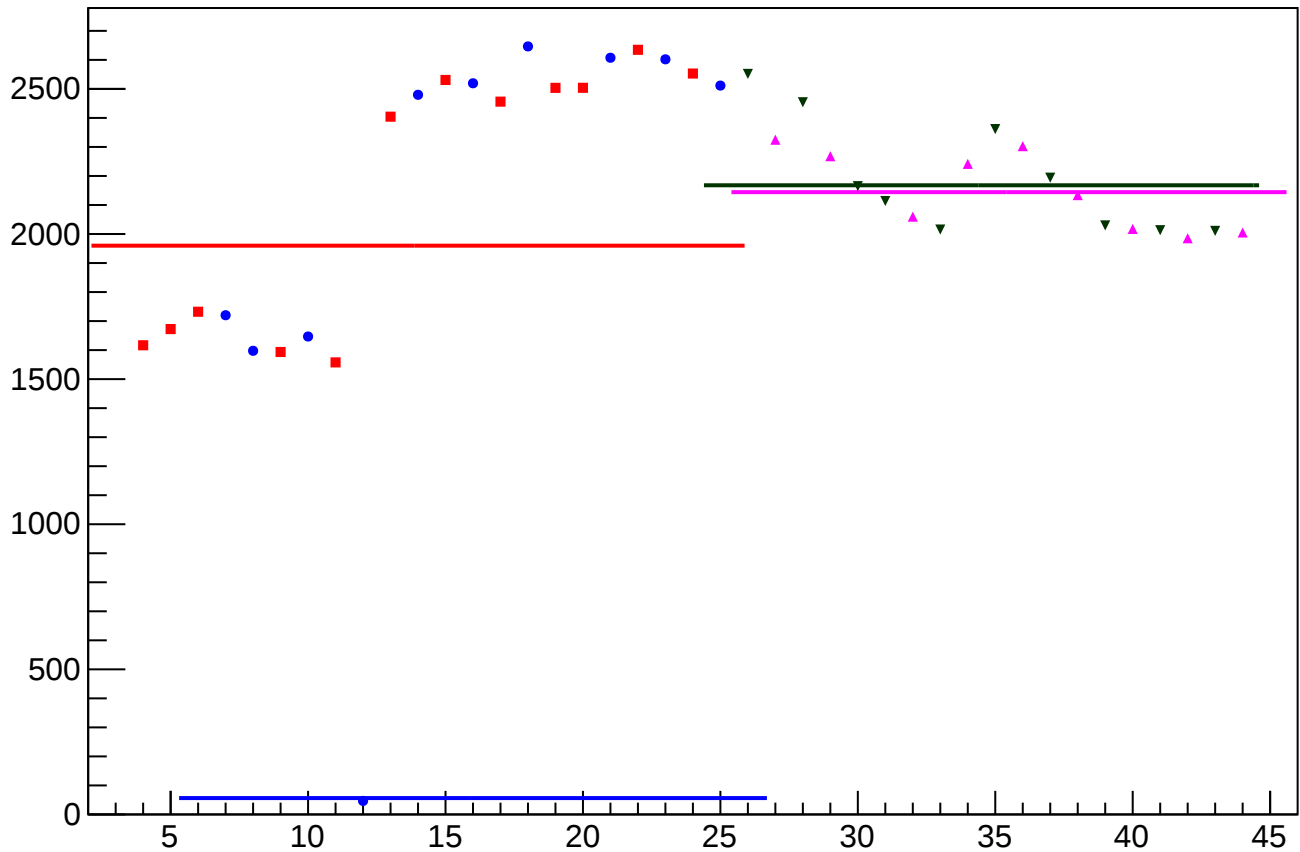
Right Out: -0.552 ± 0.793 χ^2/NDF : 9.5/11

Left In: 0.233 ± 0.905 χ^2/NDF : 6.0/8

-0.077 ± 0.060 χ^2/NDF : 19.2/19

-0.211 ± 0.596 χ^2/NDF : 15.9/20

diff_bpm4acX_rms vs slug



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

Left Out: 2167.933+/-0.663 χ^2/NDF : 74393.9/9

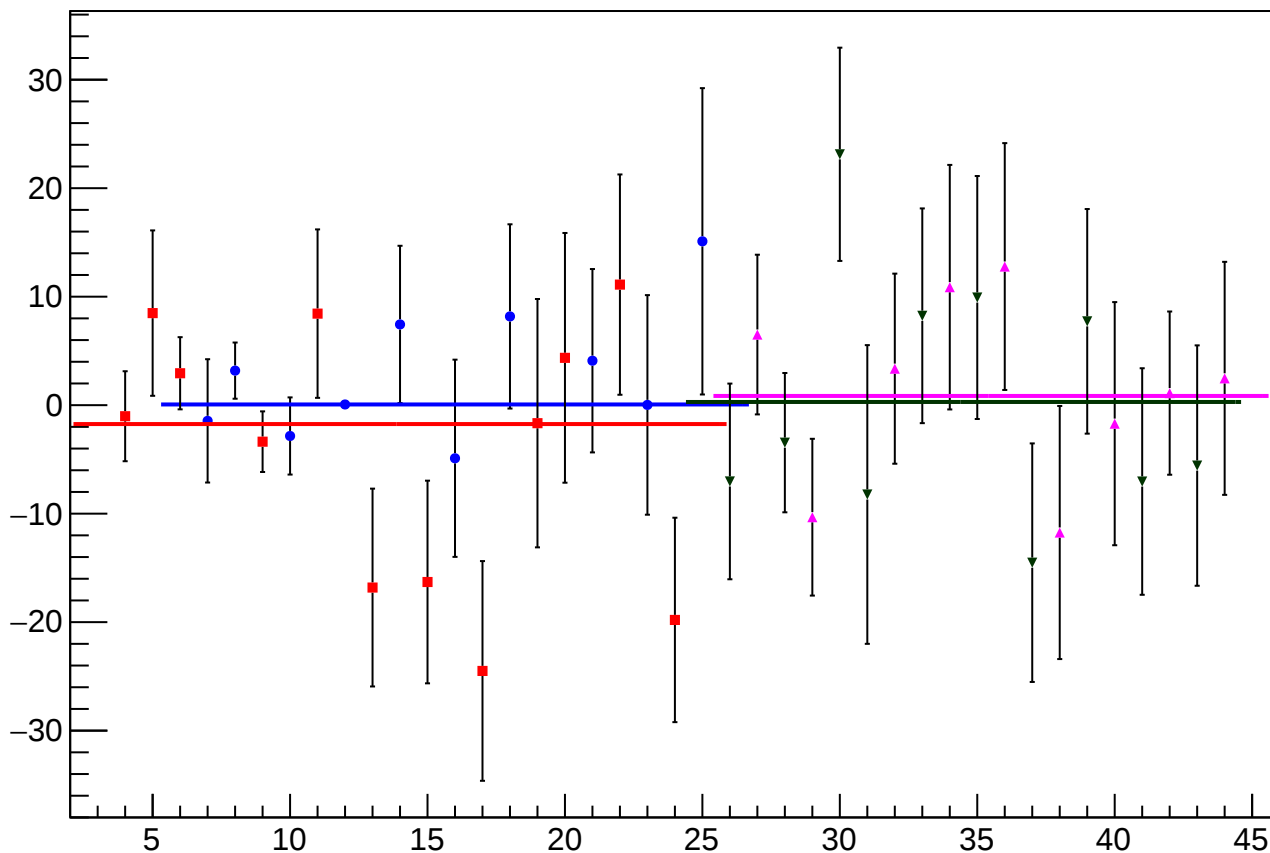
Right Out: 1959.862+/-0.561 χ^2/NDF : 601394.1/11

Left In: 2144.257+/-0.640 χ^2/NDF : 40455.1/8

65.096+/-0.042 χ^2/NDF : 21398587.5/19

2039.939+/-0.422 χ^2/NDF : 688823.6/20

diff_bpm4acY_mean vs slug



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

Left Out: 0.294 ± 3.082 $\chi^2/\text{NDF}: 11.3/9$

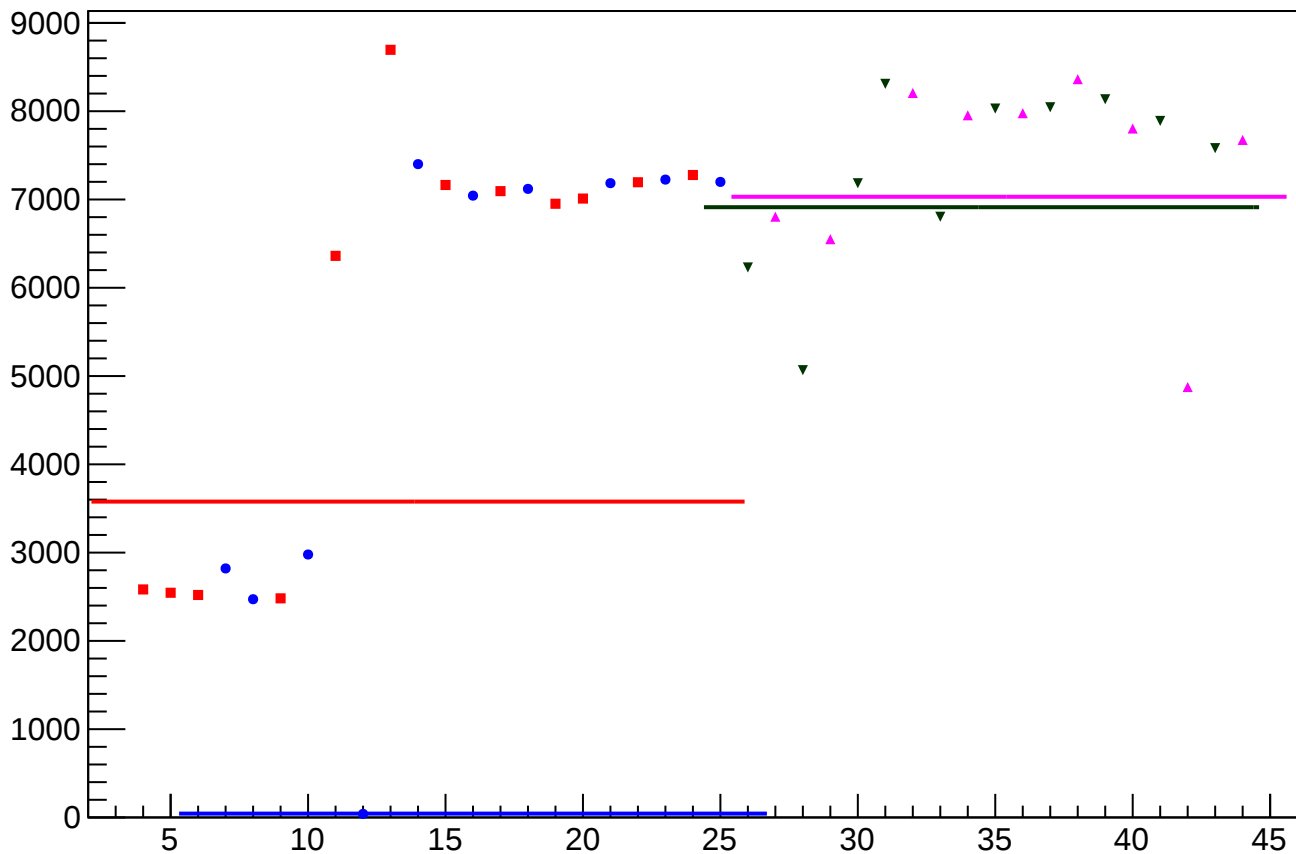
Right Out: -1.741 ± 1.623 $\chi^2/\text{NDF}: 21.6/11$

Left In: 0.850 ± 3.044 $\chi^2/\text{NDF}: 6.2/8$

0.065 ± 0.052 $\chi^2/\text{NDF}: 17.1/19$

-1.168 ± 1.432 $\chi^2/\text{NDF}: 28.4/20$

diff_bpm4acY_rms vs slug



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

Left Out: 6912.690+/-2.179 χ^2 /NDF:293013.4/9

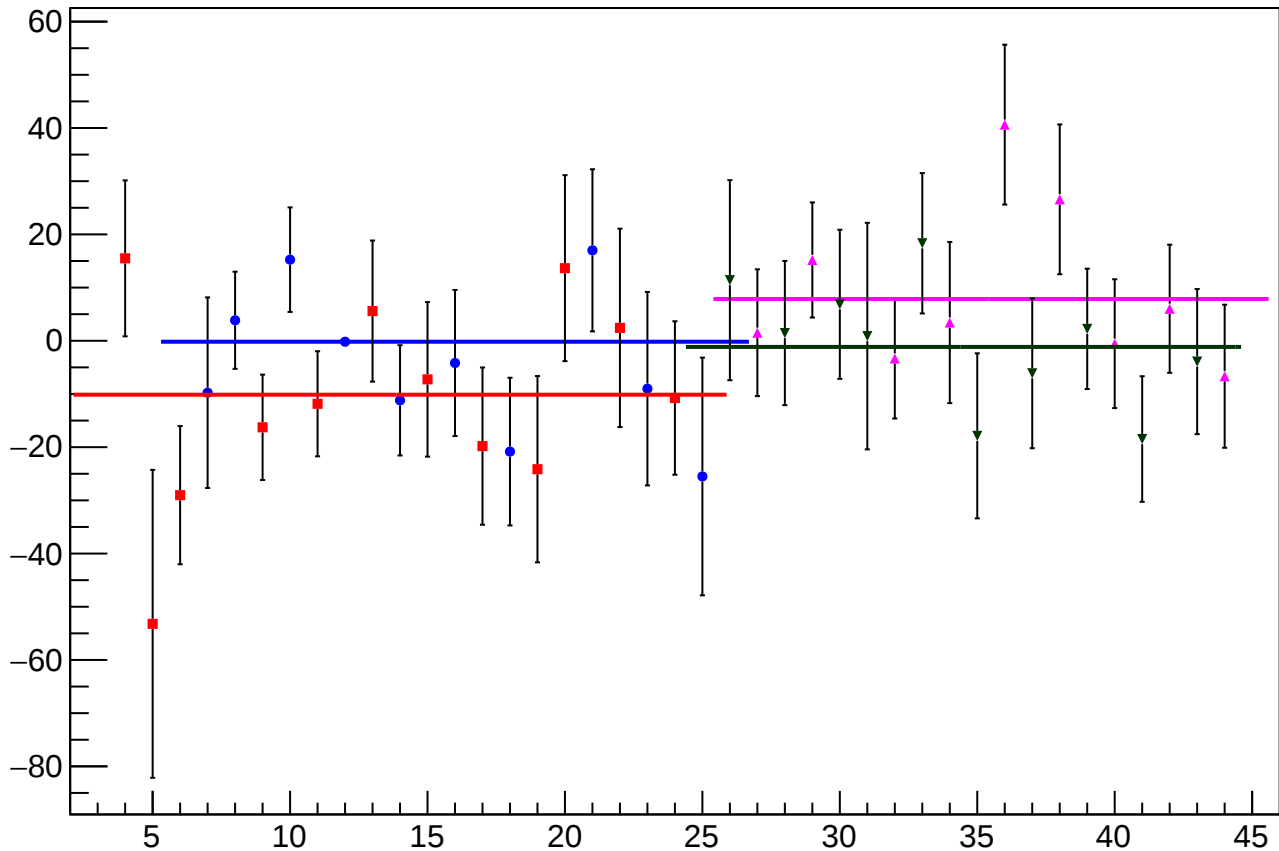
45.594+/-0.037 χ^2 /NDF: 21416578.7/19

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

4341.819+/-1.013 χ^2 /NDF: 5283328.5/20

Left In: 7030.739+/-2.153 χ^2 /NDF:280908.8/8

diff_bpm4ecX_mean vs slug



Right In: -0.178 ± 0.107 $\chi^2/\text{NDF}: 9.2/9$

Left Out: -1.154 ± 4.434 $\chi^2/\text{NDF}: 6.6/9$

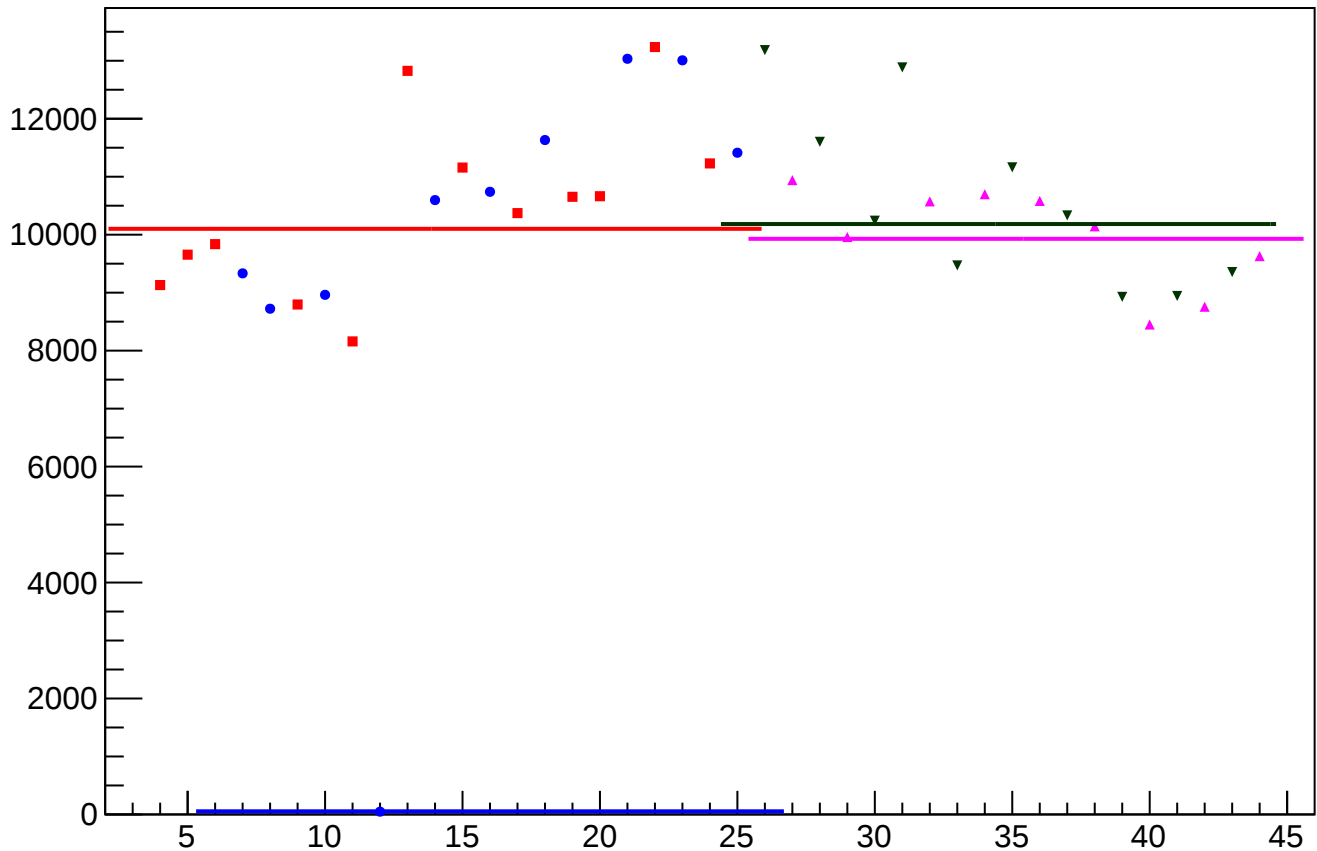
Right Out: -10.134 ± 4.035 $\chi^2/\text{NDF}: 12.6/11$

Left In: 7.861 ± 4.207 $\chi^2/\text{NDF}: 10.0/8$

-0.178 ± 0.106 $\chi^2/\text{NDF}: 15.8/19$

-1.512 ± 2.912 $\chi^2/\text{NDF}: 32.2/20$

diff_bpm4ecX_rms vs slug



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

Left Out: 10183.674+/-3.135 χ^2/NDF :173145.0/9

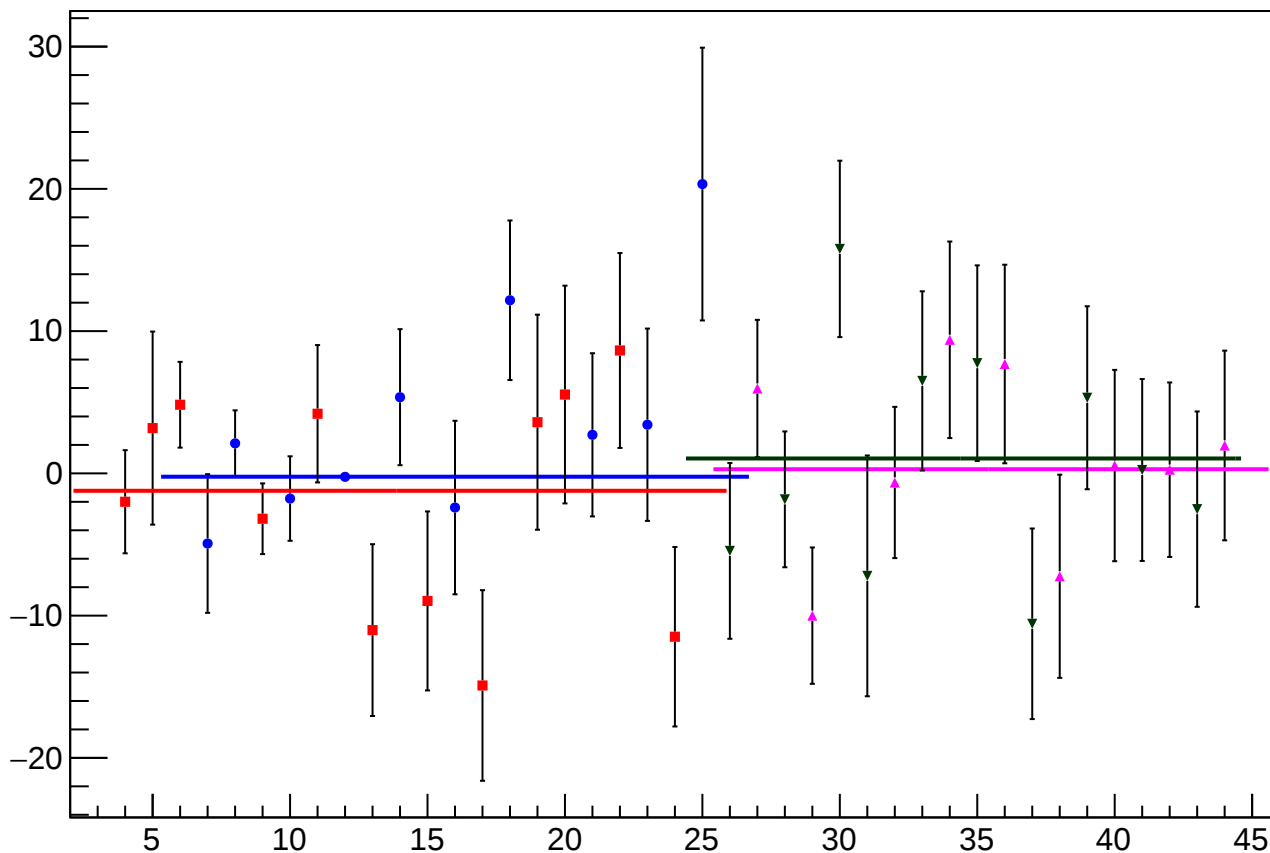
60.201+/-0.075 χ^2/NDF : 22249465.9/19

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

10018.480+/-2.059 χ^2/NDF : 372435.1/20

Left In: 9928.487+/-2.975 χ^2/NDF :80123.6/8

diff_bpm4ecY_mean vs slug



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

Left Out: 1.047 ± 2.006 χ^2/NDF : 13.5/9

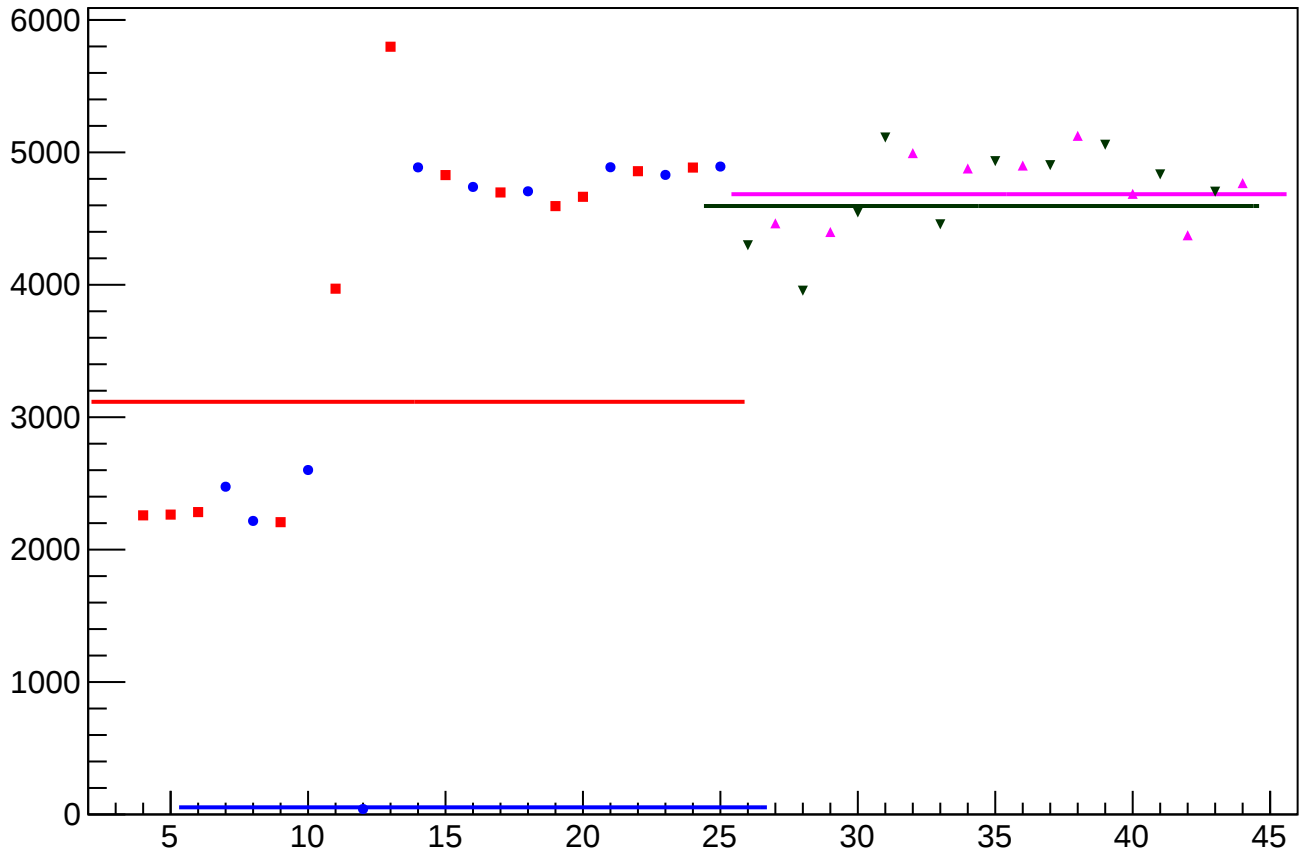
Right Out: -1.223 ± 1.326 χ^2/NDF : 20.6/11

Left In: 0.291 ± 1.984 χ^2/NDF : 10.1/8

-0.232 ± 0.090 χ^2/NDF : 27.7/19

-0.755 ± 1.102 χ^2/NDF : 31.1/20

diff_bpm4ecY_rms vs slug



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

Left Out: 4595.004+/-1.418 χ^2 /NDF: 71786.0/9

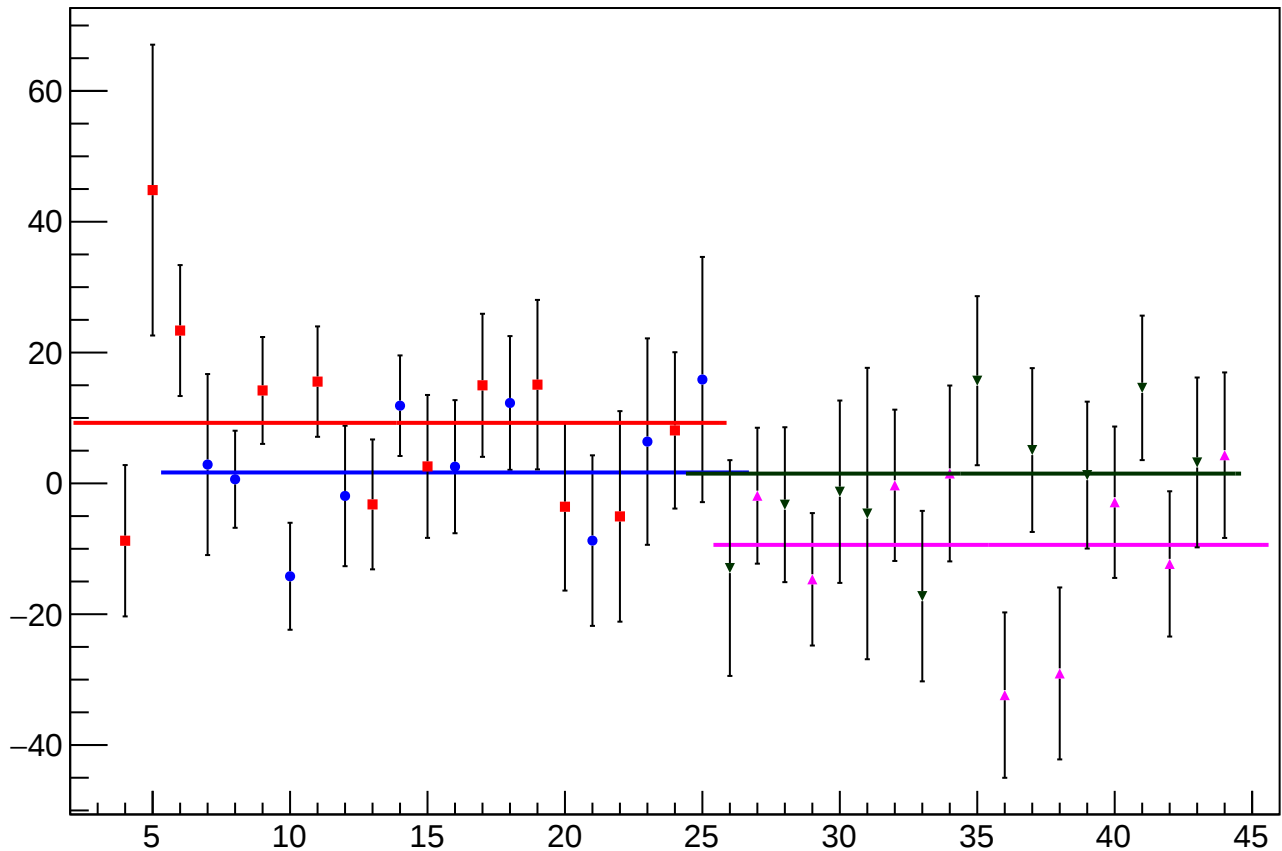
62.925+/-0.064 χ^2 /NDF: 21570637.3/19

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

3600.649+/-0.780 χ^2 /NDF: 2622884.4/20

Left In: 4684.130+/-1.403 χ^2 /NDF: 34622.6/8

diff_bpm1X_mean vs slug



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

Left Out: 1.495 ± 4.142 χ^2/NDF : 5.8/9

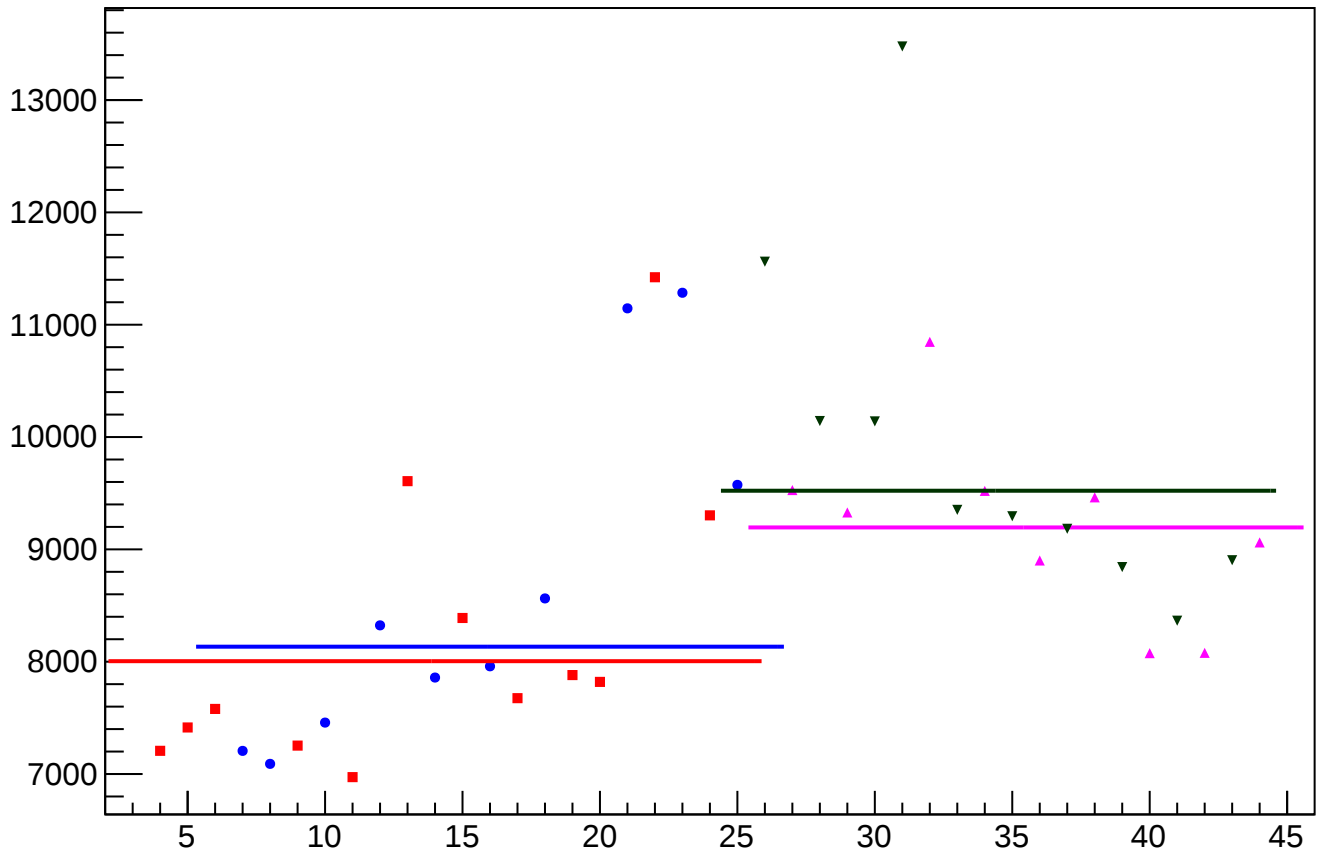
1.604 ± 2.547 χ^2/NDF : 13.9/19

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

Left In: -9.400 ± 3.896 χ^2/NDF : 9.2/8

1.767 ± 2.468 χ^2/NDF : 35.0/20

diff_bpm1X_rms vs slug



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

Left Out: 9522.004 ± 2.929 $\chi^2/\text{NDF}: 139291.8/9$

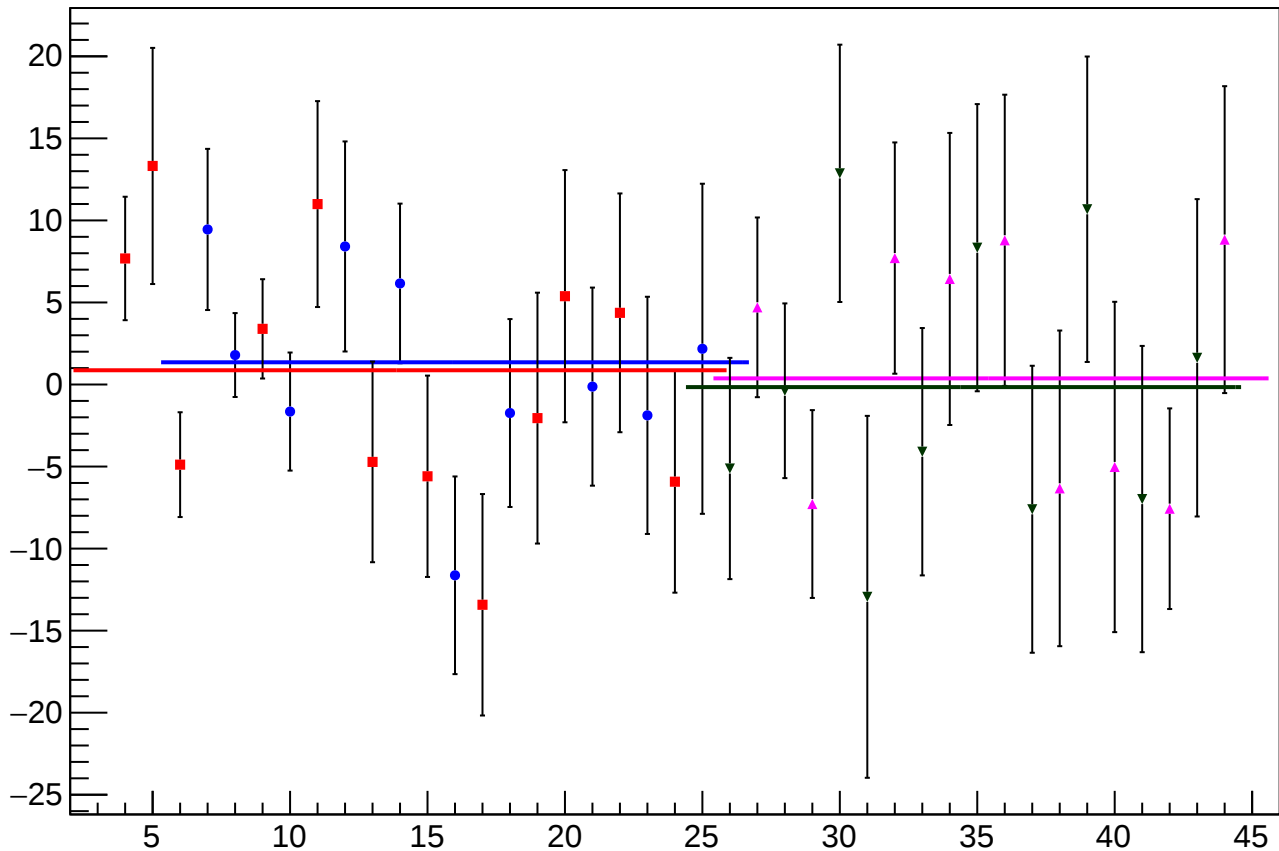
Right Out: 8004.585 ± 2.255 $\chi^2/\text{NDF}: 232190.6/11$

Left In: 9195.242 ± 2.755 $\chi^2/\text{NDF}: 85448.4/8$

8658.479 ± 1.801 $\chi^2/\text{NDF}: 546814.8/19$

8482.474 ± 1.745 $\chi^2/\text{NDF}: 429487.5/20$

diff_bpm1Y_mean vs slug



Right In: 1.354 $\pm$ 1.486 χ^2 /NDF: 10.8/9

Left Out: -0.158 $\pm$ 2.506 χ^2 /NDF: 8.5/9

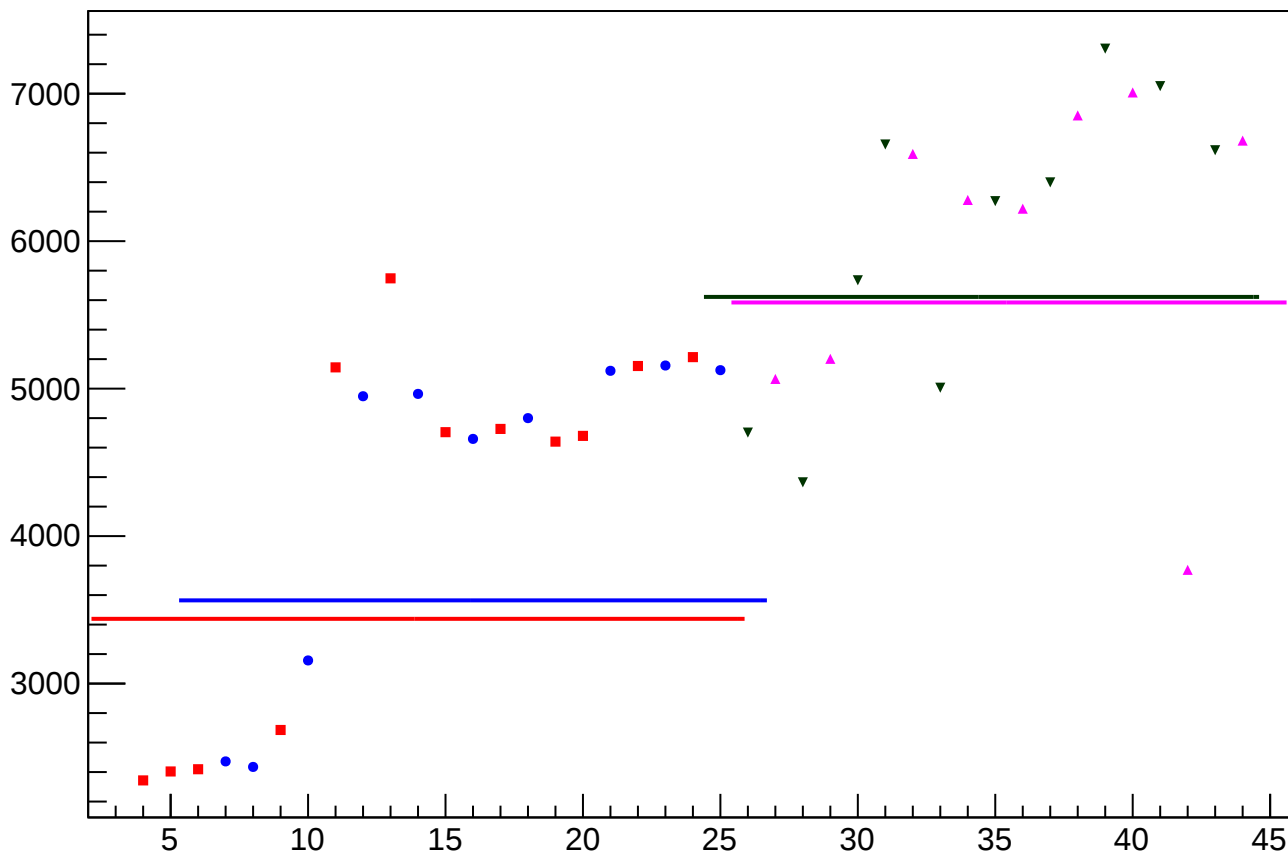
Right Out: 0.868 $\pm$ 1.454 χ^2 /NDF: 21.0/11

Left In: 0.374 $\pm$ 2.438 χ^2 /NDF: 8.1/8

0.961 $\pm$ 1.278 χ^2 /NDF: 19.6/19

0.738 $\pm$ 1.249 χ^2 /NDF: 29.1/20

diff_bpm1Y_rms vs slug



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

Left Out: 5621.962+/-1.772 χ^2/NDF : 340384.5/9

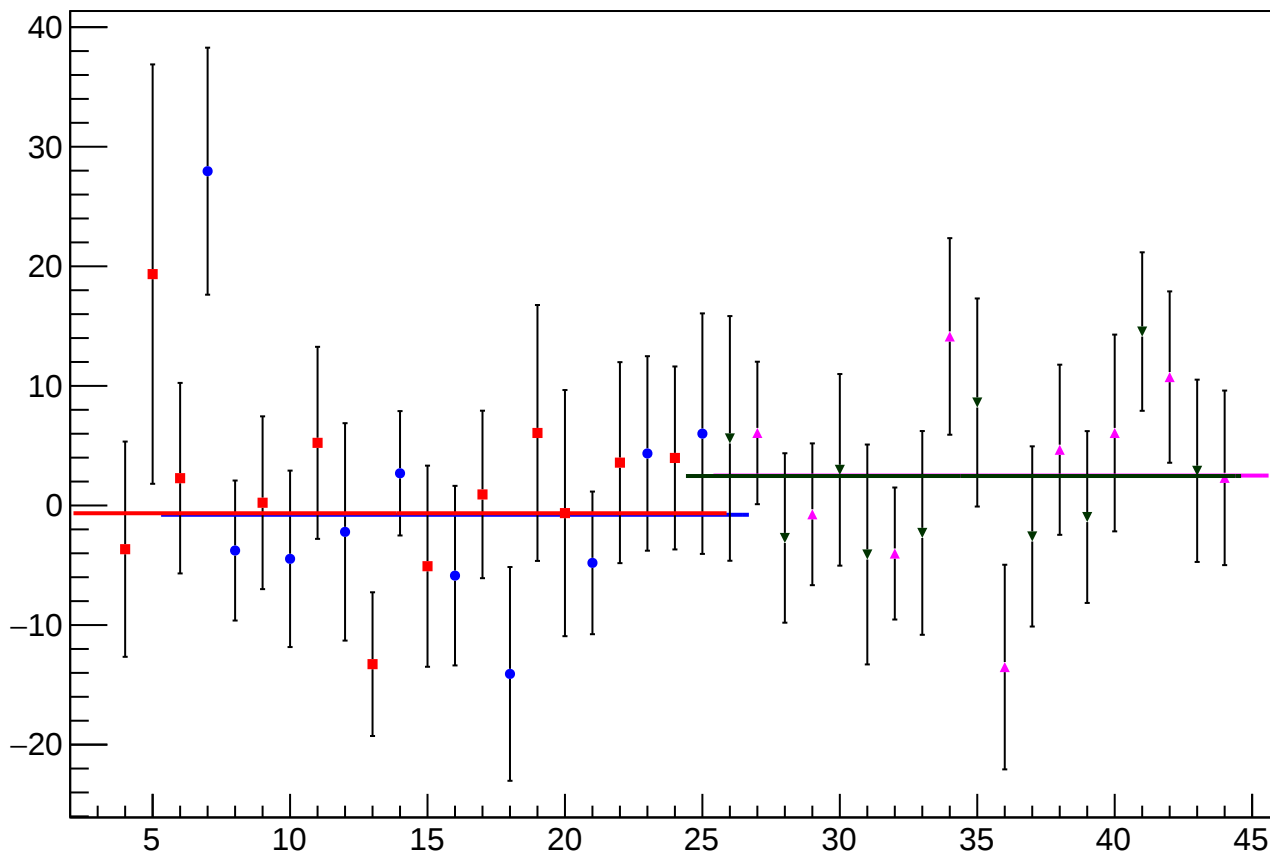
Right Out: 3439.033+/-1.028 χ^2/NDF : 1480366.2/11

Left In: 5584.245+/-1.724 χ^2/NDF : 368430.0/8

4099.527+/-0.904 χ^2/NDF : 2549425.0/19

4001.990+/-0.883 χ^2/NDF : 2990637.7/20

diff_bpm11X_mean vs slug



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

Left Out: 2.463 ± 2.494 χ^2/NDF : 6.0/9

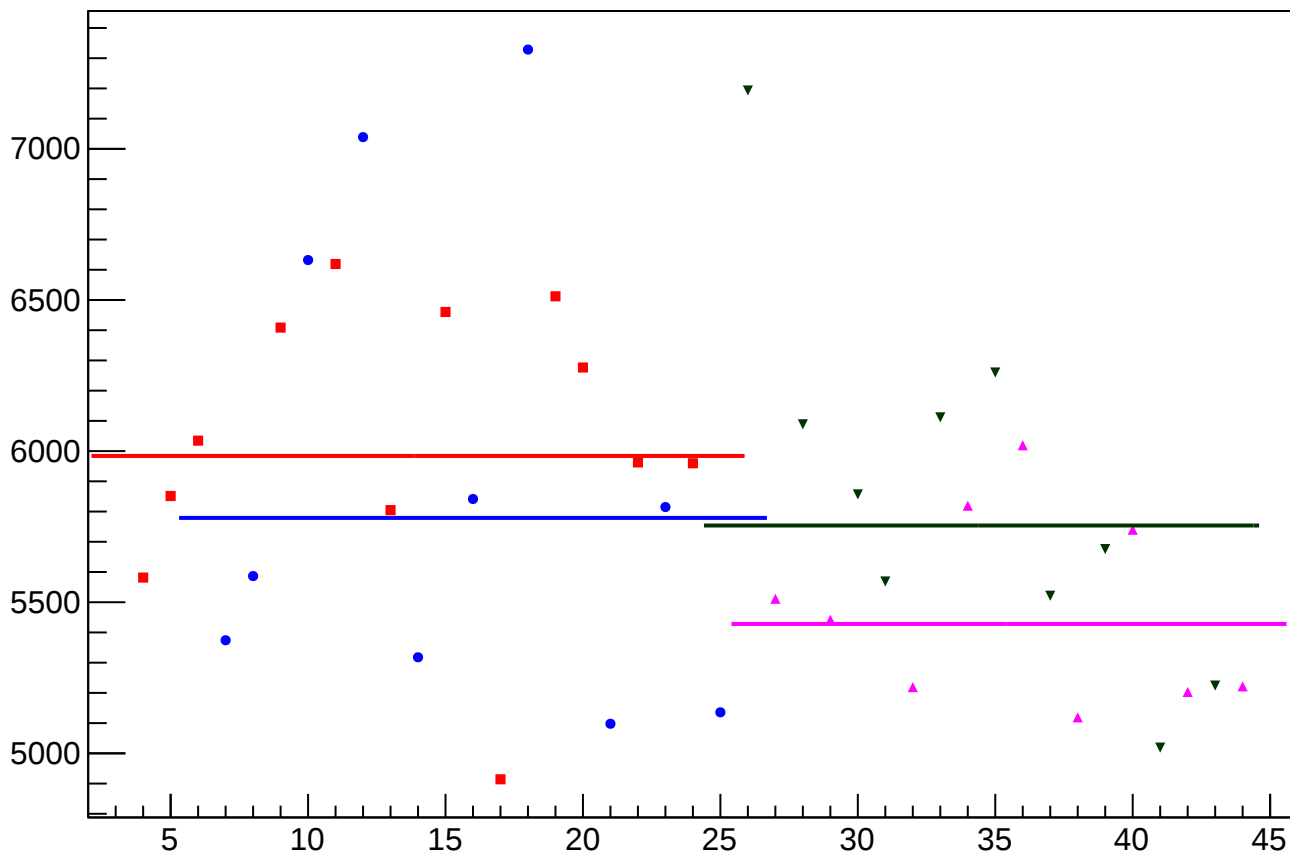
Right Out: -0.650 ± 2.373 χ^2/NDF : 7.8/11

Left In: 2.501 ± 2.290 χ^2/NDF : 9.2/8

0.711 ± 1.690 χ^2/NDF : 19.6/19

0.981 ± 1.648 χ^2/NDF : 17.9/20

diff_bpm11X_rms vs slug



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

Left Out: 5753.867+/-1.763 χ^2/NDF : 91874.6/9

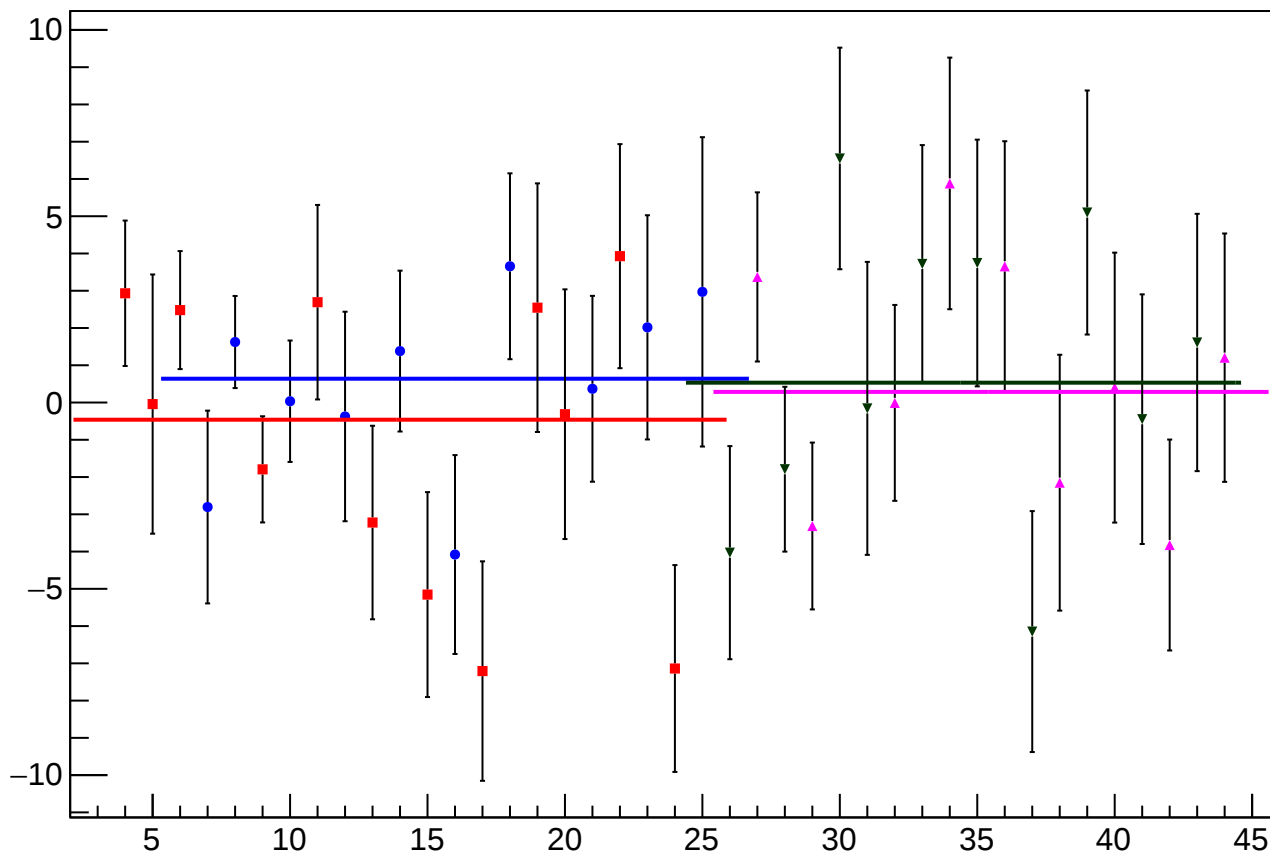
5767.474+/-1.195 χ^2/NDF : 272661.5/19

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

5696.226+/-1.165 χ^2/NDF : 169410.4/20

Left In: 5428.130+/-1.619 χ^2/NDF : 27568.5/8

diff_bpm11Y_mean vs slug



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

Left Out: 0.533 ± 0.973 χ^2/NDF : 16.1/9

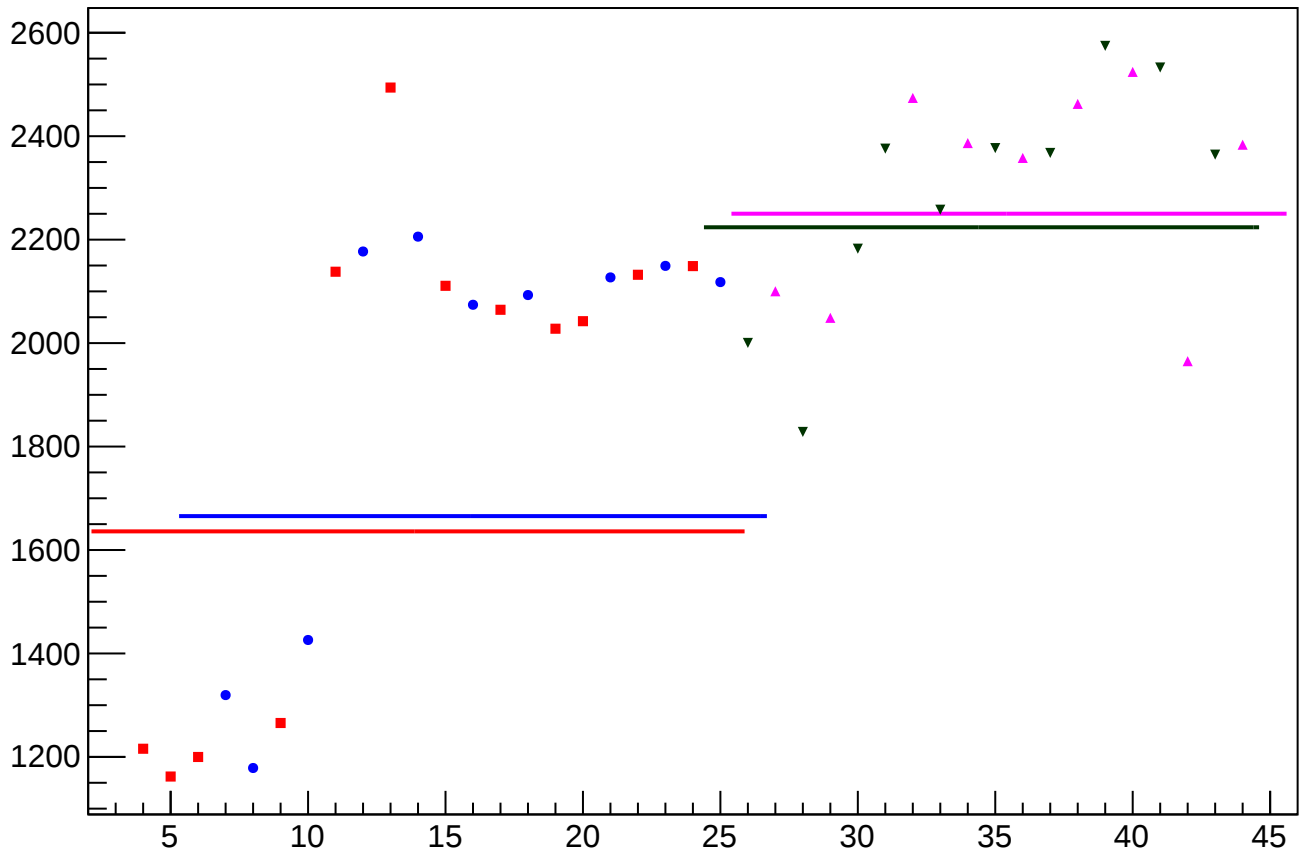
Right Out: -0.461 ± 0.674 χ^2/NDF : 26.8/11

Left In: 0.285 ± 0.958 χ^2/NDF : 10.9/8

0.604 ± 0.558 χ^2/NDF : 24.0/19

-0.214 ± 0.551 χ^2/NDF : 38.1/20

diff_bpm11Y_rms vs slug



Right In: 1665.539 $\pm$ 0.482 χ^2 /NDF: 830367.8/9

Left Out: 2223.927 $\pm$ 0.688 χ^2 /NDF:131291.4/9

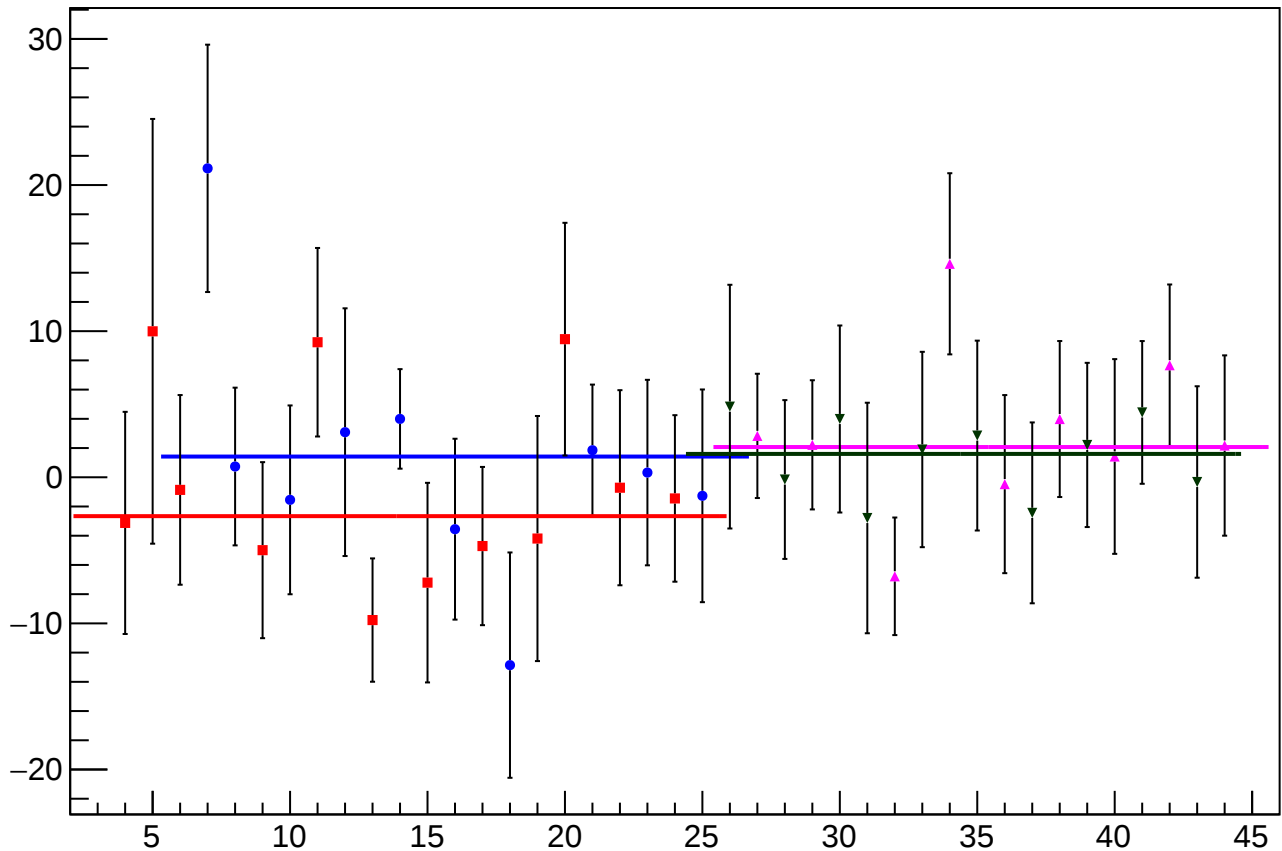
1849.333 $\pm$ 0.395 χ^2 /NDF: 1403378.2/19

Right Out: 1636.018 $\pm$ 0.477 χ^2 /NDF: 990659.4/11

1839.654 $\pm$ 0.390 χ^2 /NDF: 1627844.2/20

Left In: 2250.163 $\pm$ 0.677 χ^2 /NDF:87324.1/8

diff_bpm12X_mean vs slug



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

Left Out: 1.599 ± 1.970 χ^2/NDF : 1.6/9

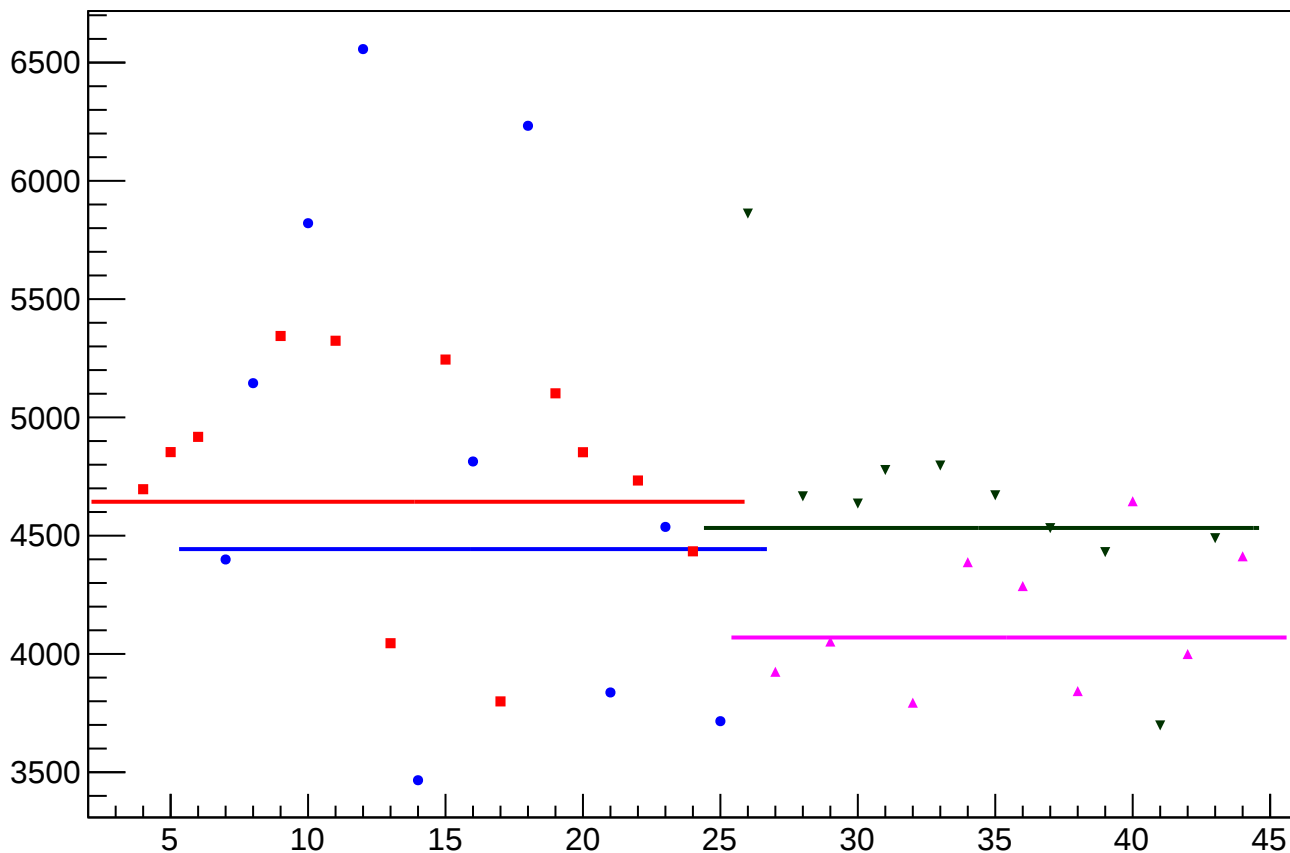
Right Out: -2.661 ± 1.850 χ^2/NDF : 10.3/11

Left In: 2.070 ± 1.721 χ^2/NDF : 10.3/8

1.500 ± 1.329 χ^2/NDF : 12.1/19

-0.124 ± 1.260 χ^2/NDF : 24.1/20

diff_bpm12X_rms vs slug



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

Left Out: 4532.597+/-1.393 χ^2/NDF :117630.8/9

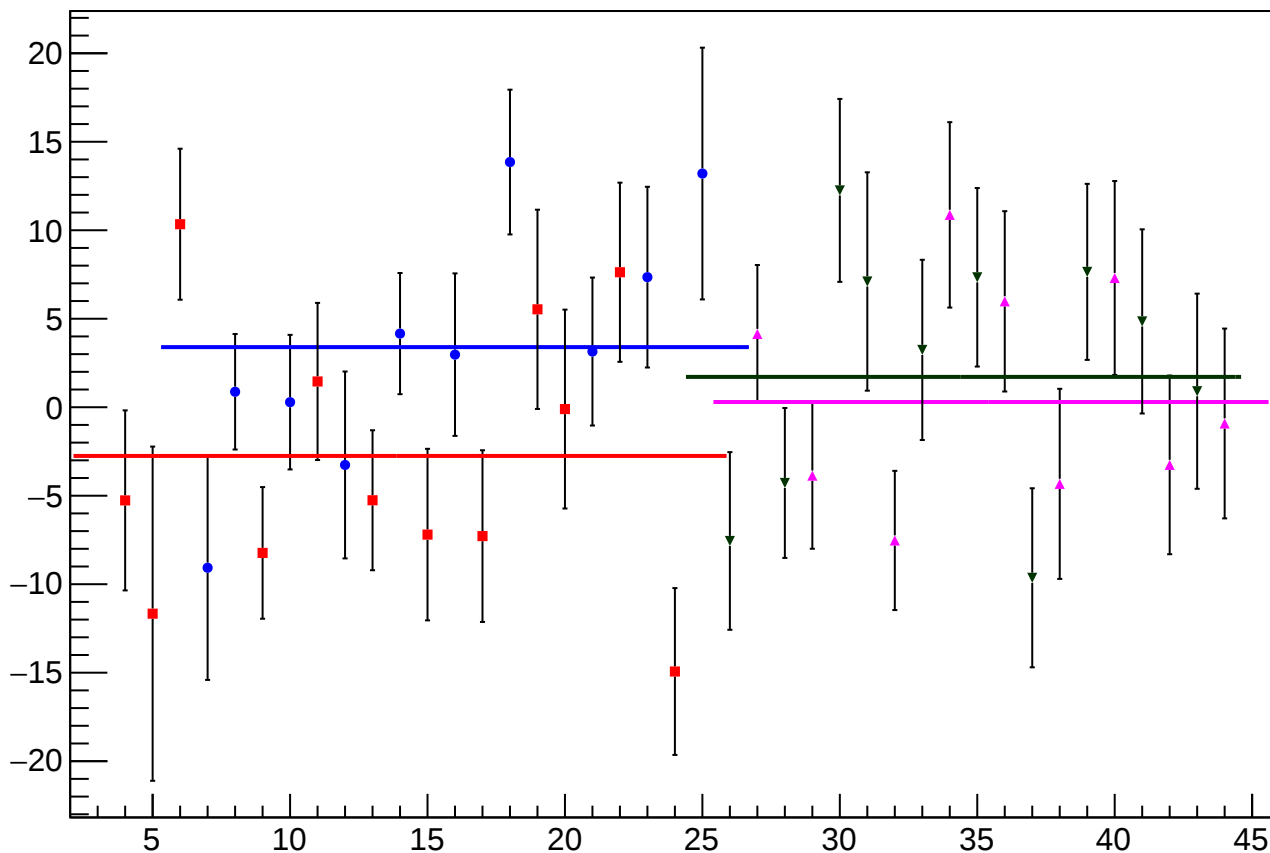
4483.908+/-0.940 χ^2/NDF : 705243.1/19

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

4335.713+/-0.891 χ^2/NDF : 315854.6/20

Left In: 4069.536+/-1.217 χ^2/NDF :44608.7/8

diff_bpm12Y_mean vs slug



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

Left Out: 1.714 ± 1.609 $\chi^2/\text{NDF}: 18.5/9$

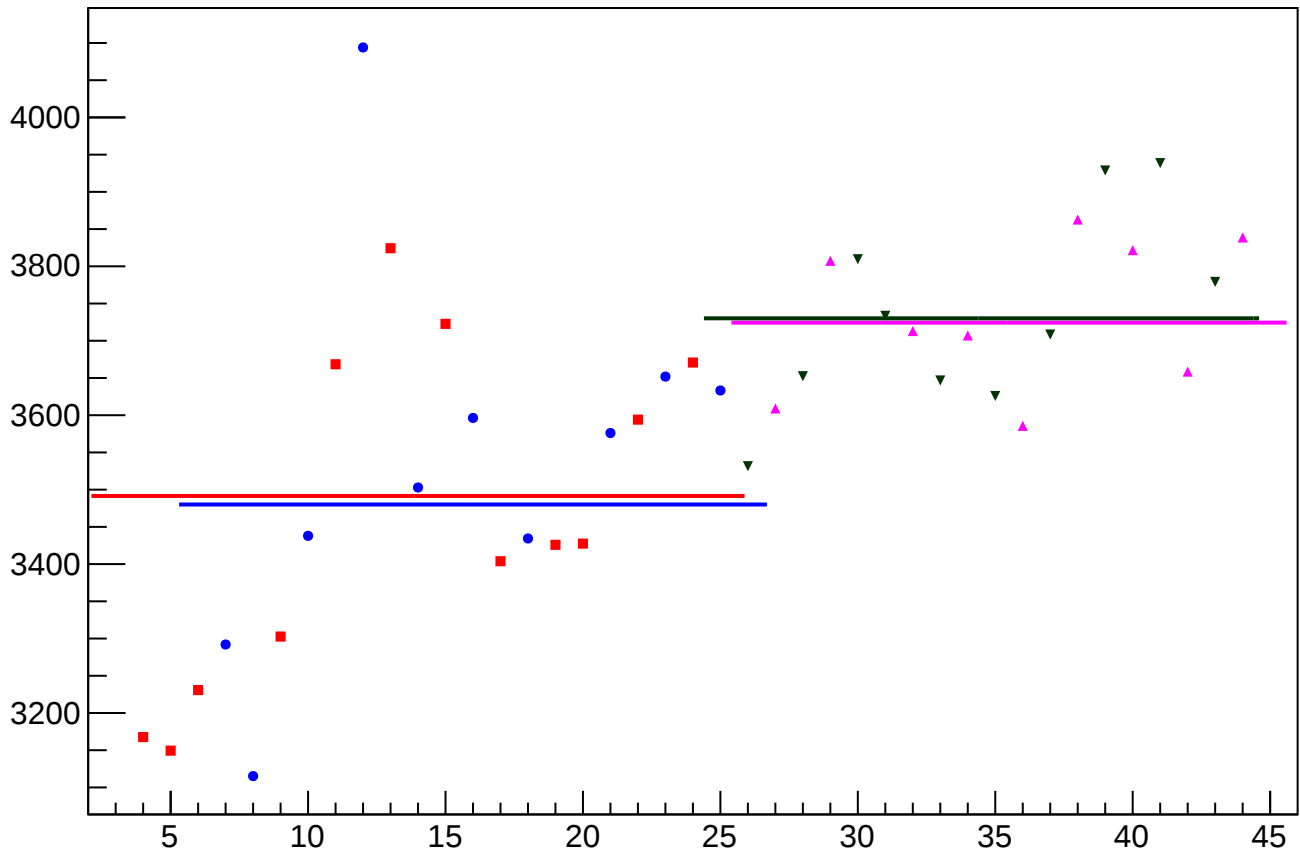
Right Out: -2.752 ± 1.381 $\chi^2/\text{NDF}: 29.0/11$

Left In: 0.295 ± 1.569 $\chi^2/\text{NDF}: 14.2/8$

2.688 ± 1.044 $\chi^2/\text{NDF}: 35.0/19$

-1.422 ± 1.037 $\chi^2/\text{NDF}: 45.3/20$

diff_bpm12Y_rms vs slug



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

Left Out: 3730.162 ± 1.138 χ^2/NDF : 12266.4/9

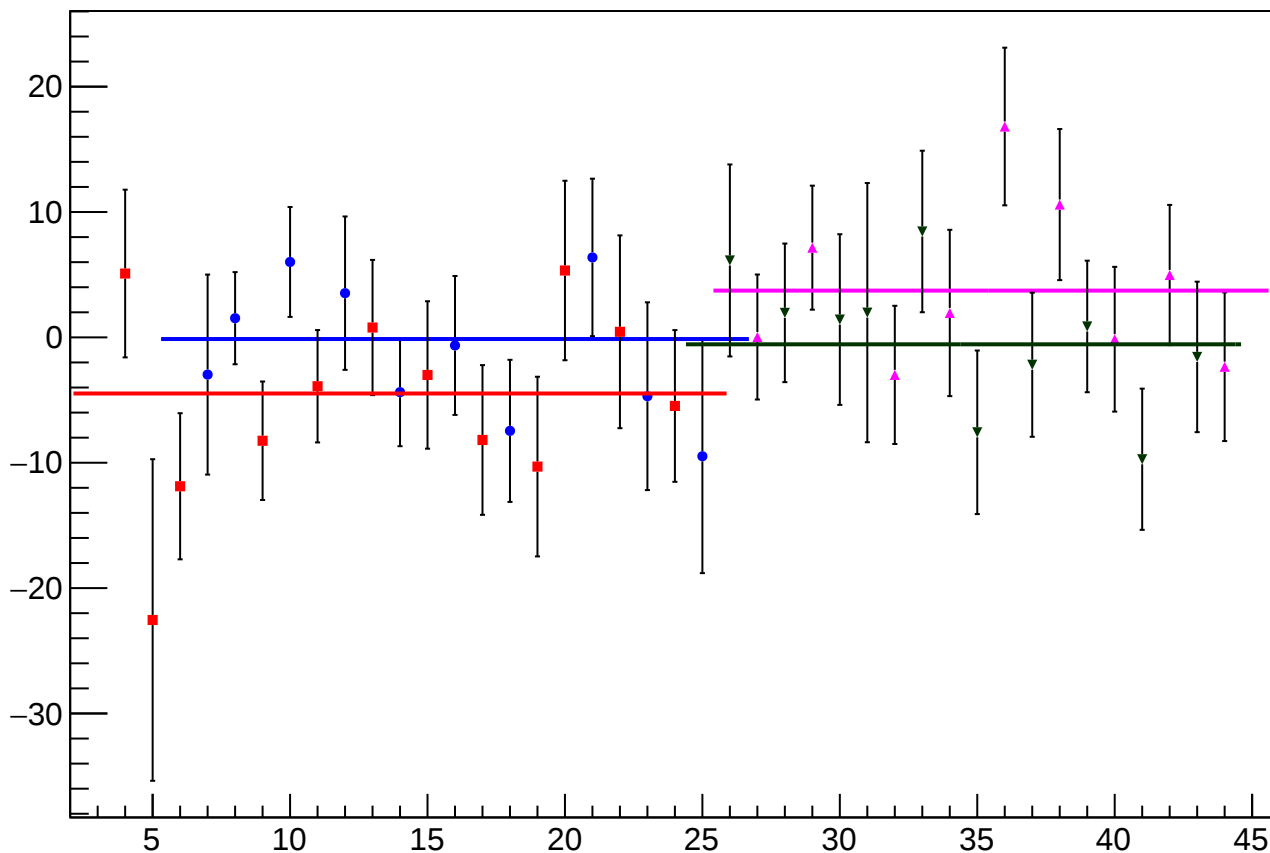
3585.306 ± 0.738 χ^2/NDF : 100176.1/19

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

3593.180 ± 0.733 χ^2/NDF : 82241.5/20

Left In: 3724.365 ± 1.110 χ^2/NDF : 7290.6/8

diff_bpm16X_mean vs slug



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

Left Out: -0.553 ± 1.983 $\chi^2/\text{NDF}: 7.1/9$

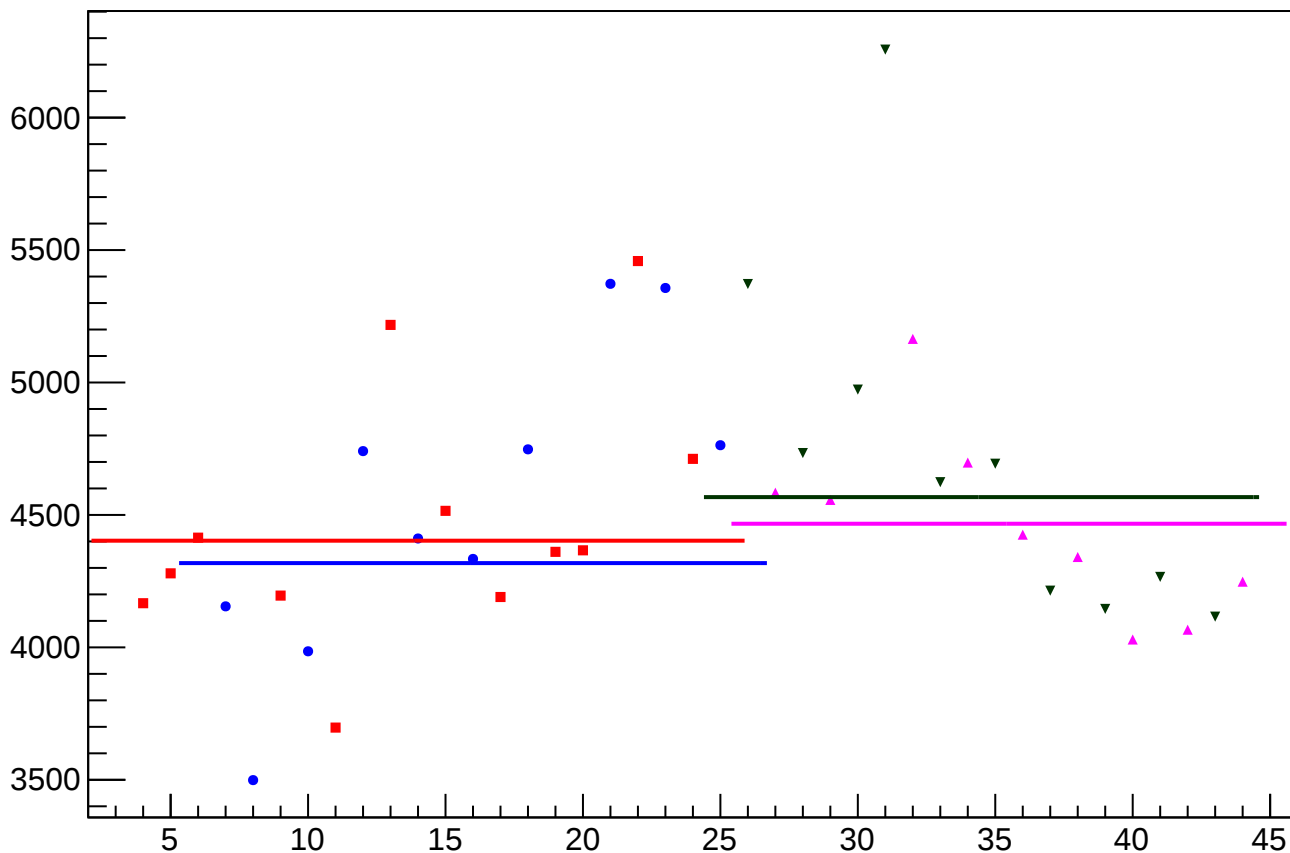
Right Out: -4.476 ± 1.749 $\chi^2/\text{NDF}: 10.7/11$

Left In: 3.732 ± 1.890 $\chi^2/\text{NDF}: 9.8/8$

-0.311 ± 1.297 $\chi^2/\text{NDF}: 14.8/19$

-0.690 ± 1.284 $\chi^2/\text{NDF}: 30.6/20$

diff_bpm16X_rms vs slug



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

Left Out: 4567.308+/-1.402 χ^2/NDF :122824.8/9

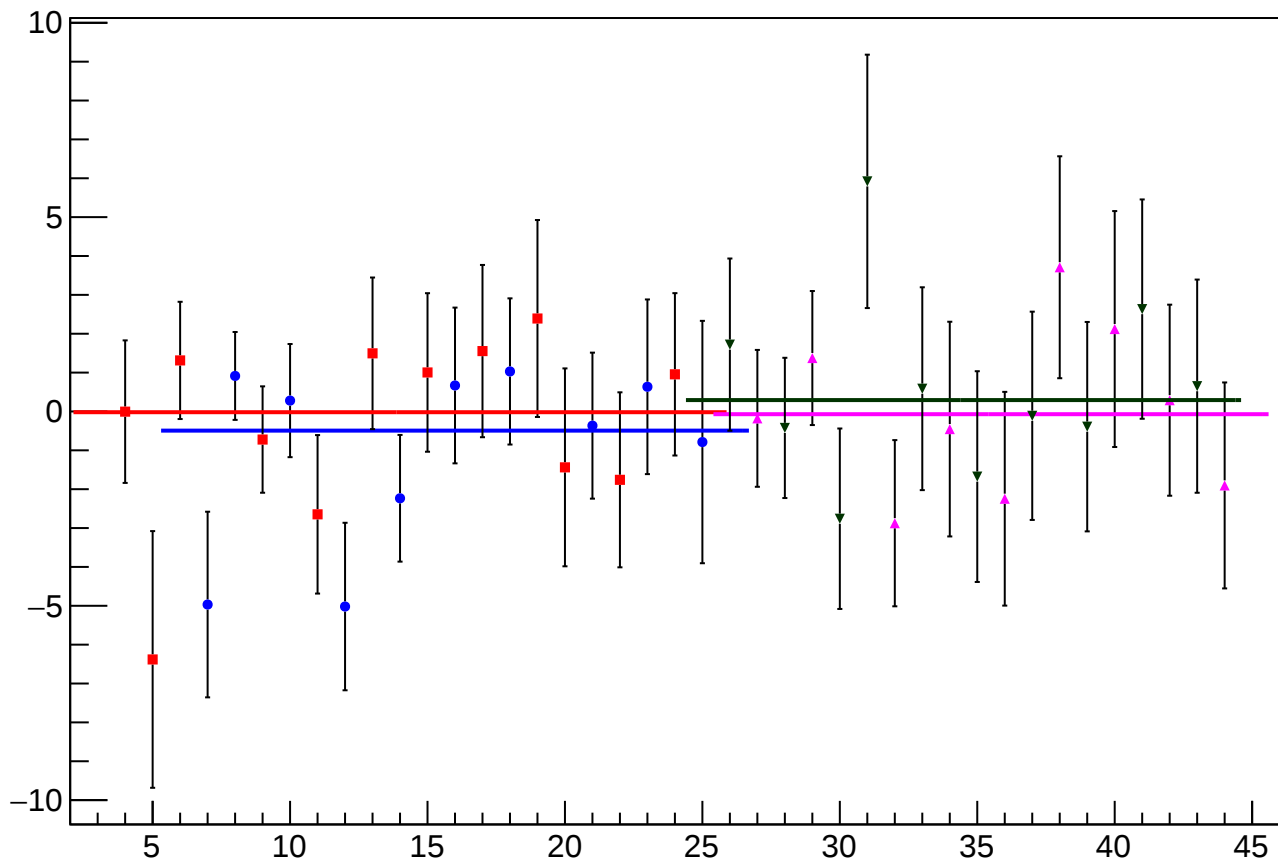
4424.639+/-0.917 χ^2/NDF : 374021.7/19

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

4432.296+/-0.908 χ^2/NDF : 210917.3/20

Left In: 4466.769+/-1.336 χ^2/NDF :61630.0/8

diff_bpm16Y_mean vs slug



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

Left Out: 0.293 ± 0.788 $\chi^2/\text{NDF}: 6.6/9$

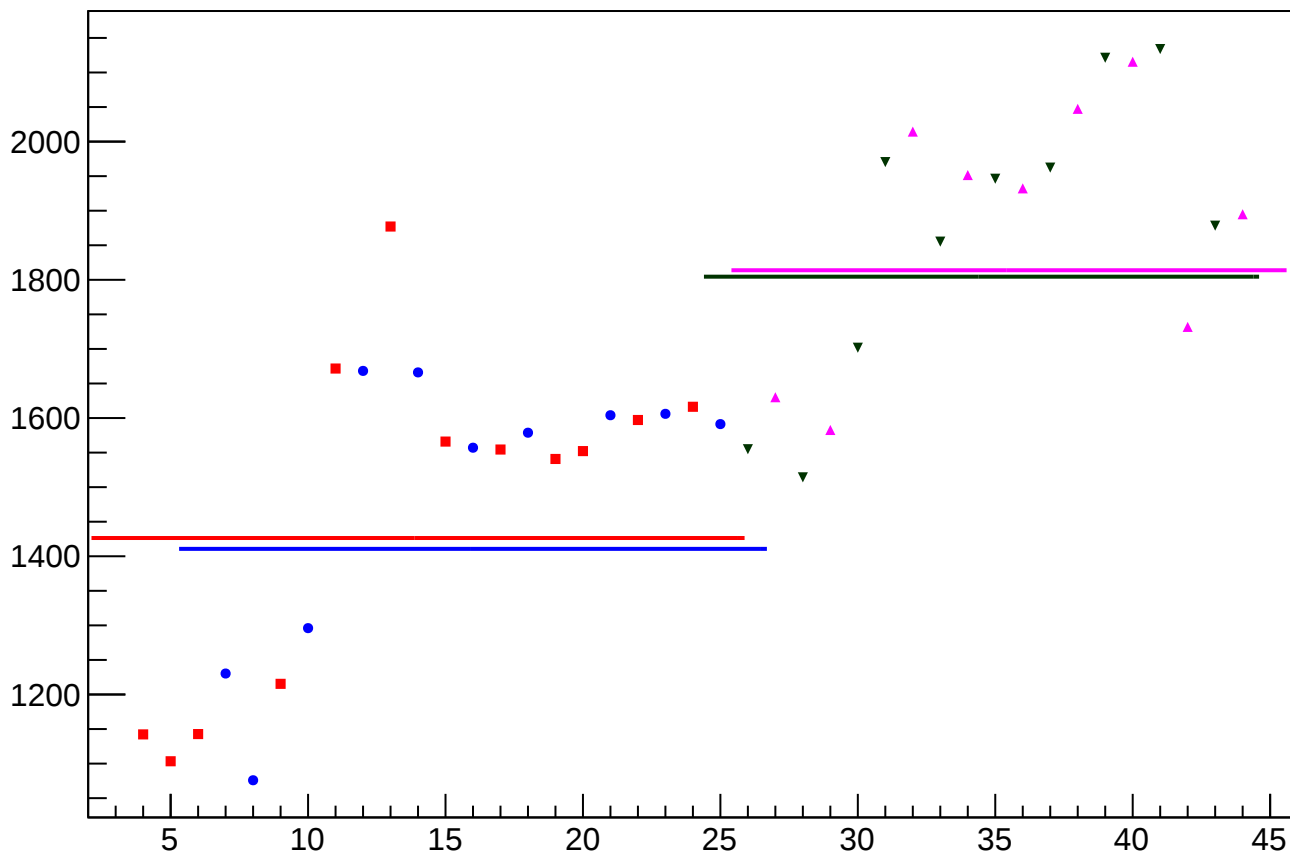
Right Out: -0.019 ± 0.573 $\chi^2/\text{NDF}: 9.8/11$

Left In: -0.070 ± 0.771 $\chi^2/\text{NDF}: 5.8/8$

-0.227 ± 0.459 $\chi^2/\text{NDF}: 19.4/19$

-0.037 ± 0.460 $\chi^2/\text{NDF}: 15.7/20$

diff_bpm16Y_rms vs slug



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

Left Out: 1804.555 ± 0.557 χ^2/NDF : 155790.9/9

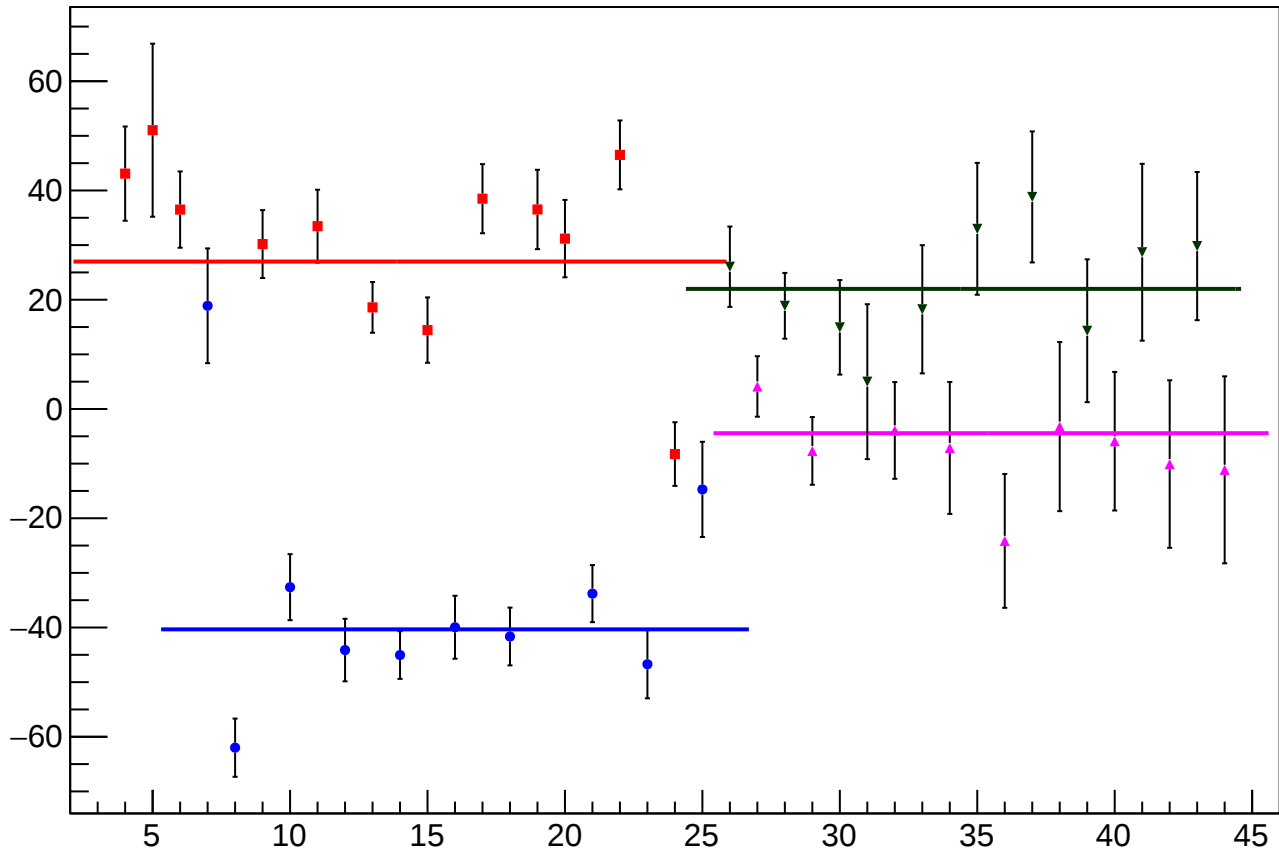
1544.232 ± 0.325 χ^2/NDF : 832186.6/19

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

1564.139 ± 0.325 χ^2/NDF : 820530.6/20

Left In: 1813.858 ± 0.546 χ^2/NDF : 121240.8/8

diff_bpm0l01X_mean vs slug



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

Left Out: 21.984 ± 3.153 χ^2/NDF : 6.4/9

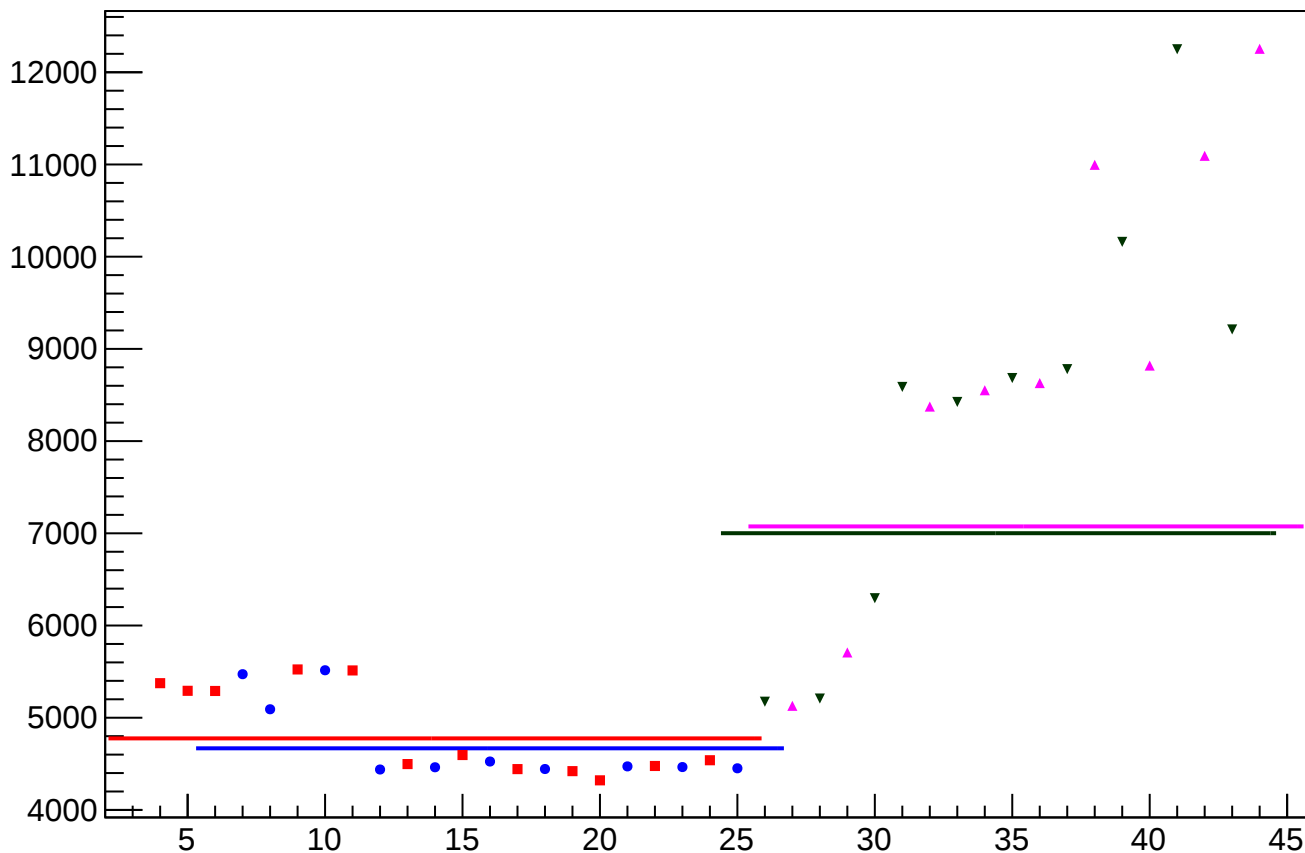
Right Out: 26.988 ± 1.893 χ^2/NDF : 68.1/11

Left In: -4.429 ± 3.116 χ^2/NDF : 5.6/8

-24.531 ± 1.588 χ^2/NDF : 360.9/19

18.517 ± 1.618 χ^2/NDF : 148.0/20

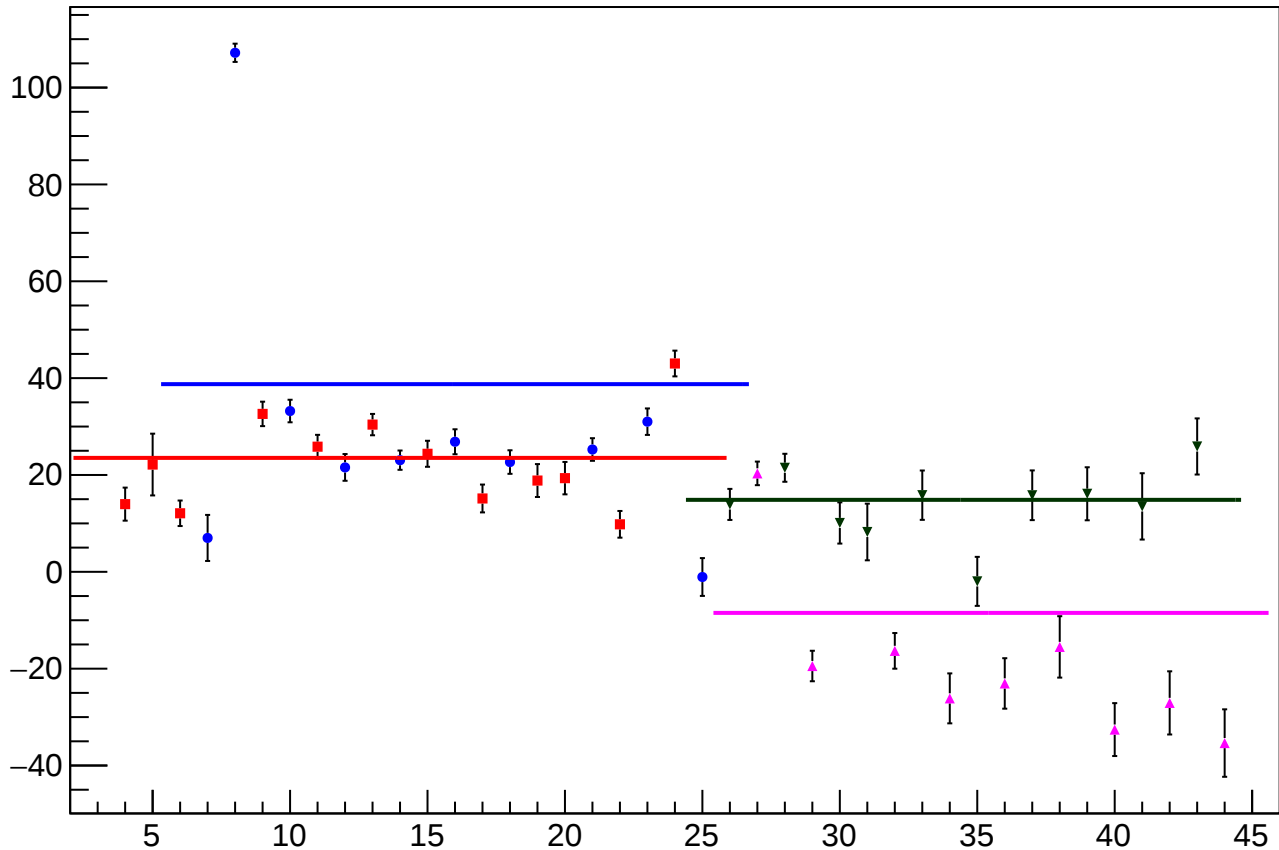
diff_bpm0l01X_rms vs slug



Right In: 4668.263+/-1.300 χ^2/NDF : 82261.6/9
 Left Out: 7001.132+/-2.229 χ^2/NDF : 831756.0/9
 Right Out: 4775.916+/-1.339 χ^2/NDF : 111352.4/11
 Left In: 7074.809+/-2.203 χ^2/NDF : 936436.4/8

5259.944+/-1.123 χ^2/NDF : 1731305.5/19
 5395.750+/-1.144 χ^2/NDF : 1843110.5/20

diff_bpm0l01Y_mean vs slug



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

Left Out: 14.865 $\pm$ 1.412 χ^2 /NDF: 22.7/9

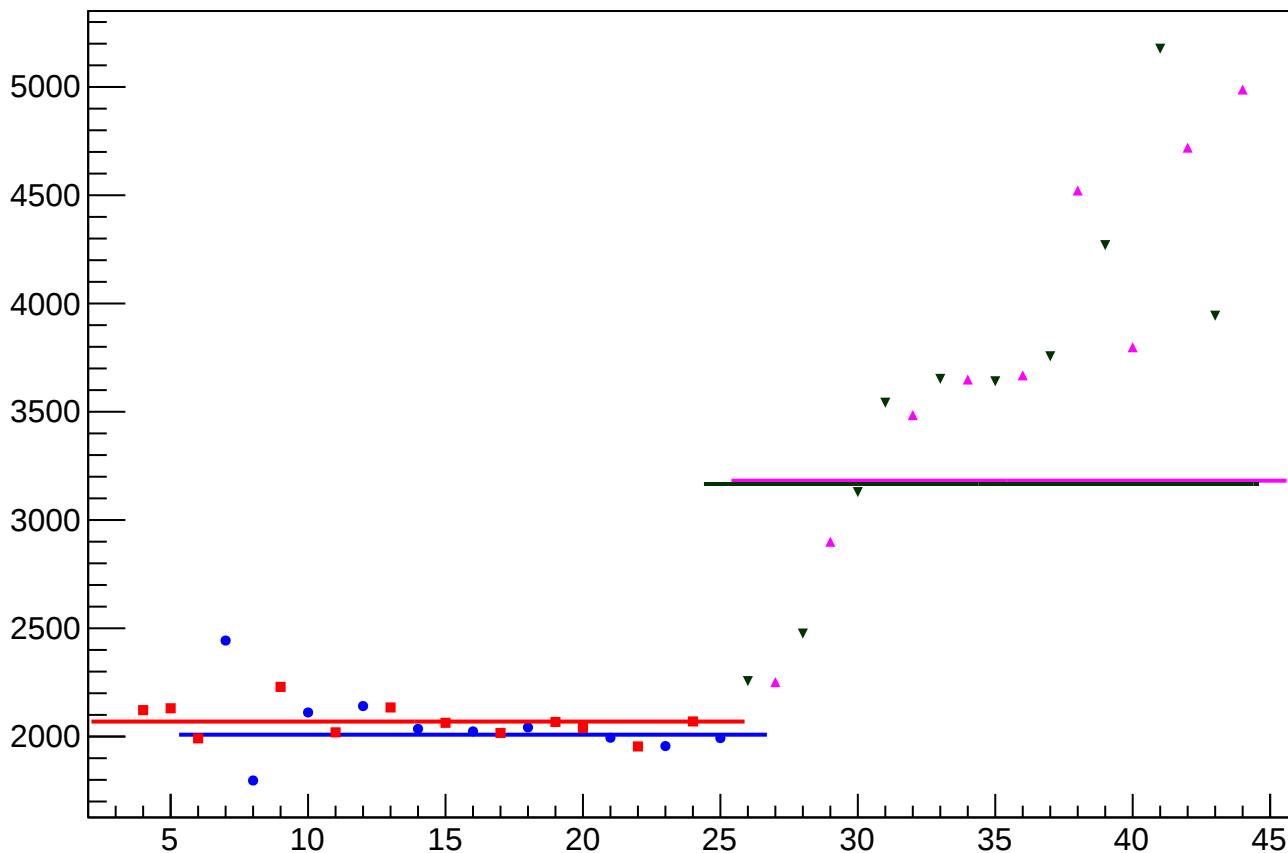
Right Out: 23.530 $\pm$ 0.818 χ^2 /NDF: 140.9/11

Left In: -8.480 $\pm$ 1.387 χ^2 /NDF: 219.8/8

33.045 $\pm$ 0.691 χ^2 /NDF: 1921.1/19

15.259 $\pm$ 0.705 χ^2 /NDF: 755.9/20

diff_bpm0l01Y_rms vs slug



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

Left Out: 3166.393+/-0.999 χ^2/NDF : 635521.0/9

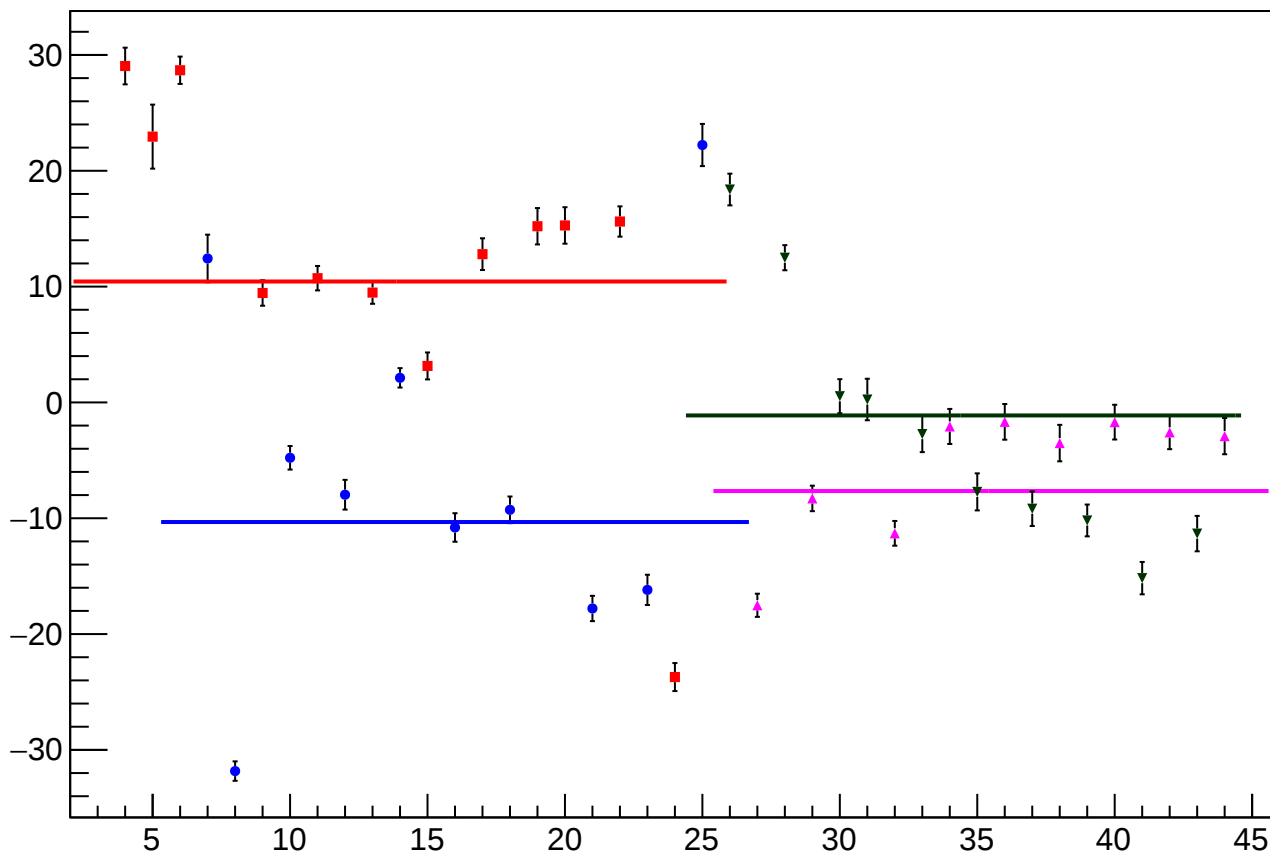
Right Out: 2069.229+/-0.579 χ^2/NDF : 17317.7/11

Left In: 3181.733+/-0.981 χ^2/NDF : 715443.9/8

2285.406+/-0.488 χ^2/NDF : 1710534.3/19

2356.663+/-0.498 χ^2/NDF : 1687472.9/20

diff_bpm2i01X_mean vs slug



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

Left Out: -1.124 ± 0.453 $\chi^2/\text{NDF}: 599.1/9$

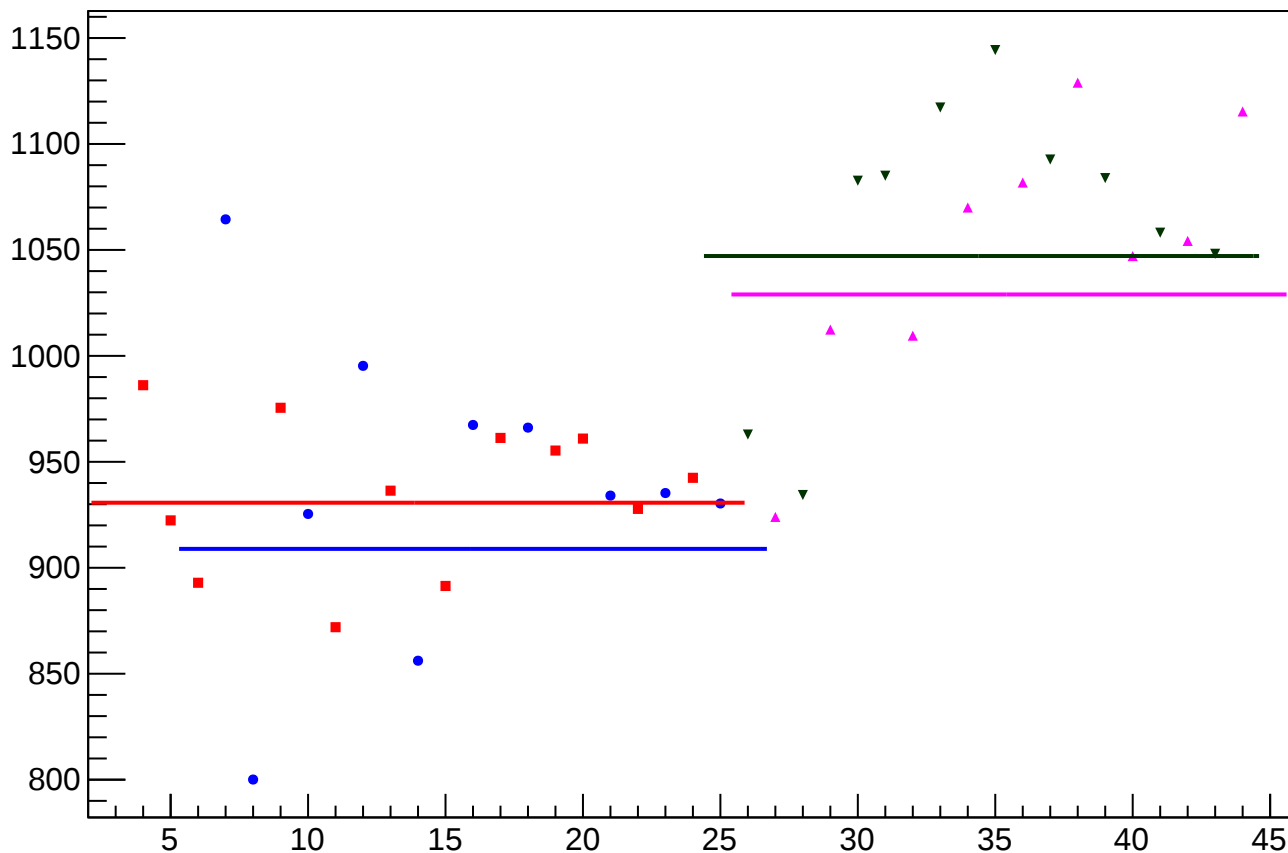
Right Out: 10.440 ± 0.368 $\chi^2/\text{NDF}: 1273.2/11$

Left In: -7.649 ± 0.435 $\chi^2/\text{NDF}: 182.1/8$

-6.784 ± 0.281 $\chi^2/\text{NDF}: 2273.6/19$

2.892 ± 0.281 $\chi^2/\text{NDF}: 2464.7/20$

diff_bpm2i01X_rms vs slug



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

Left Out: 1047.121+/-0.320 χ^2/NDF : 46145.4/9

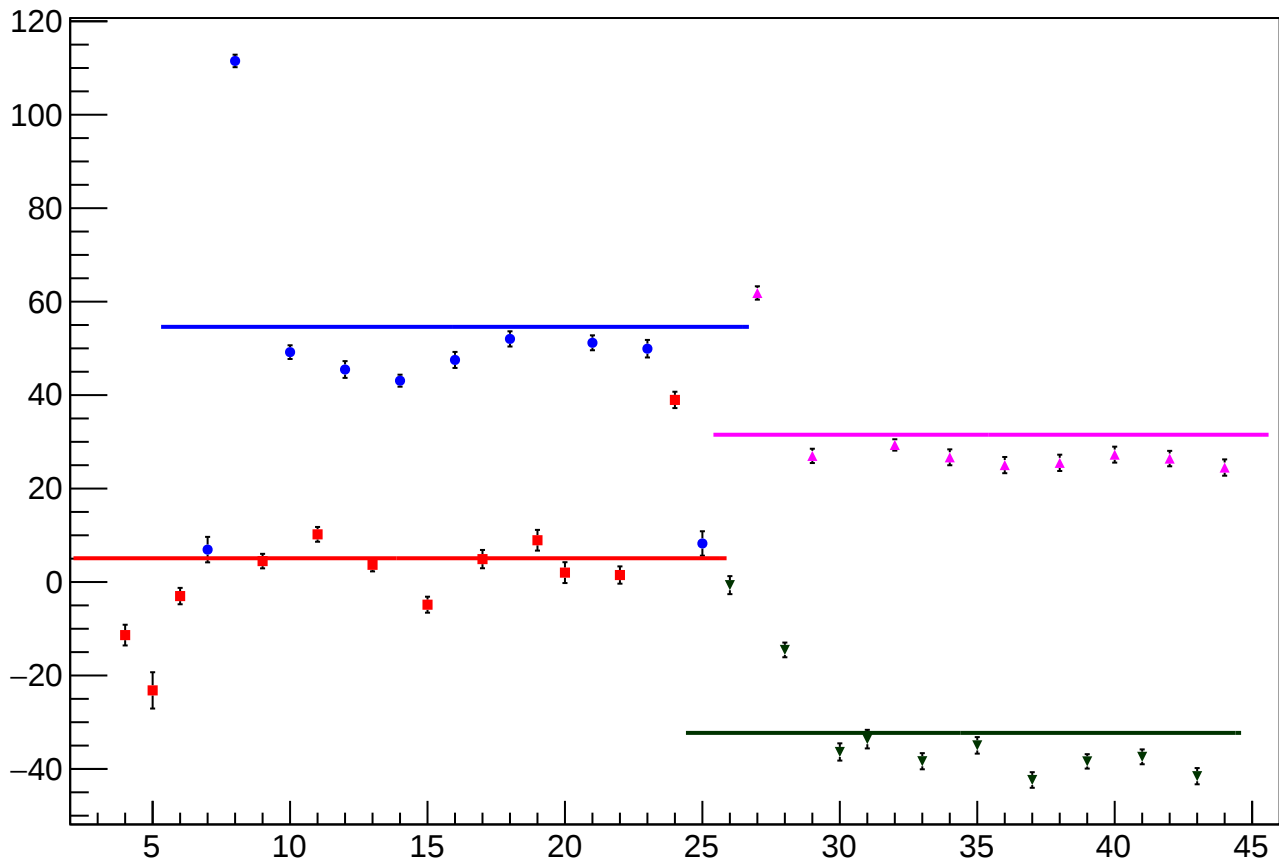
Right Out: 930.706+/-0.260 χ^2/NDF : 18818.7/11

Left In: 1028.985+/-0.307 χ^2/NDF : 42067.0/8

962.114+/-0.199 χ^2/NDF : 235007.8/19

971.716+/-0.199 χ^2/NDF : 120471.7/20

diff_bpm2i01Y_mean vs slug



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

Left Out: -32.284 $\pm$ 0.544 χ^2 /NDF: 507.1/9

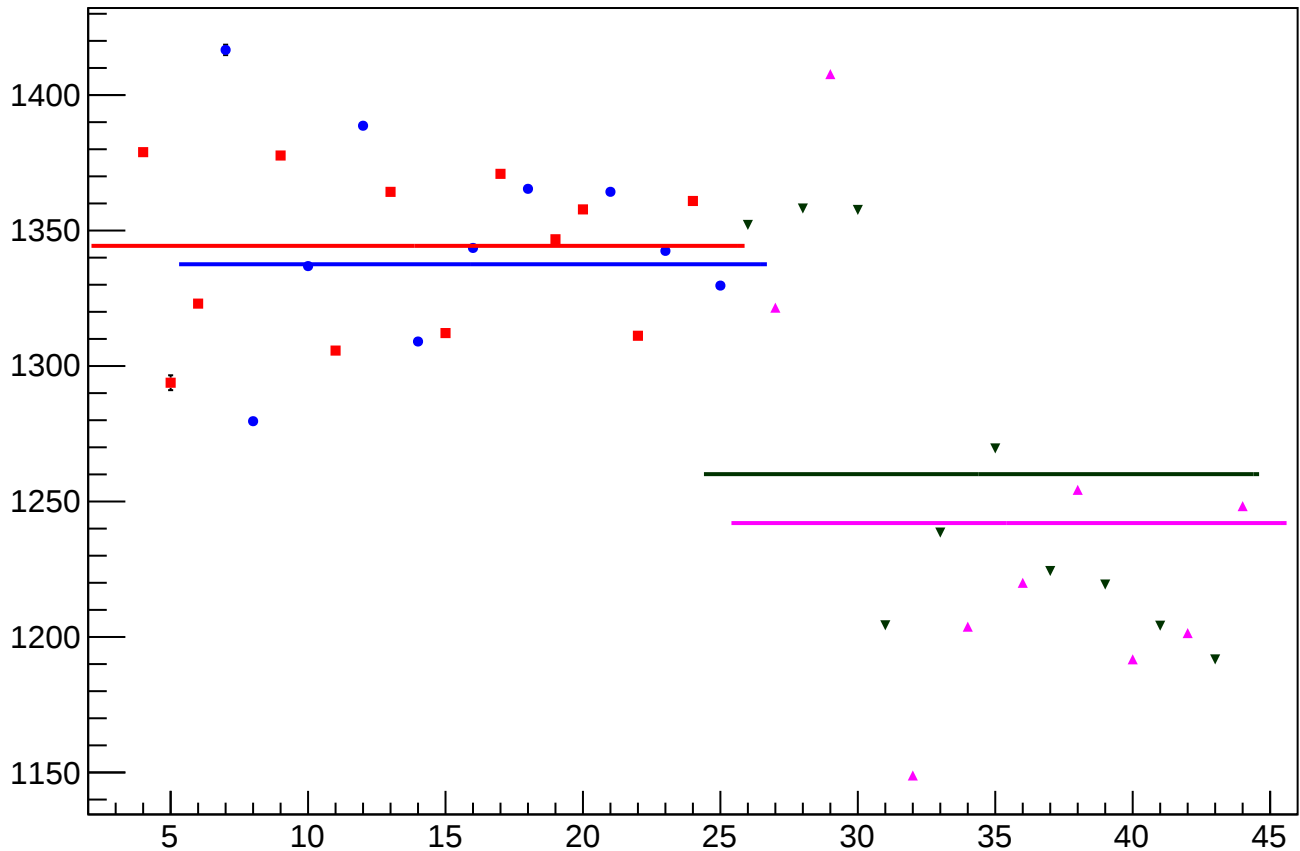
Right Out: 5.087 $\pm$ 0.532 χ^2 /NDF: 559.1/11

Left In: 31.519 $\pm$ 0.524 χ^2 /NDF: 528.5/8

12.618 $\pm$ 0.378 χ^2 /NDF: 16255.1/19

18.490 $\pm$ 0.373 χ^2 /NDF: 2340.9/20

diff_bpm2i01Y_rms vs slug



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

Left Out: 1260.097+/-0.385 χ^2/NDF : 27715.7/9

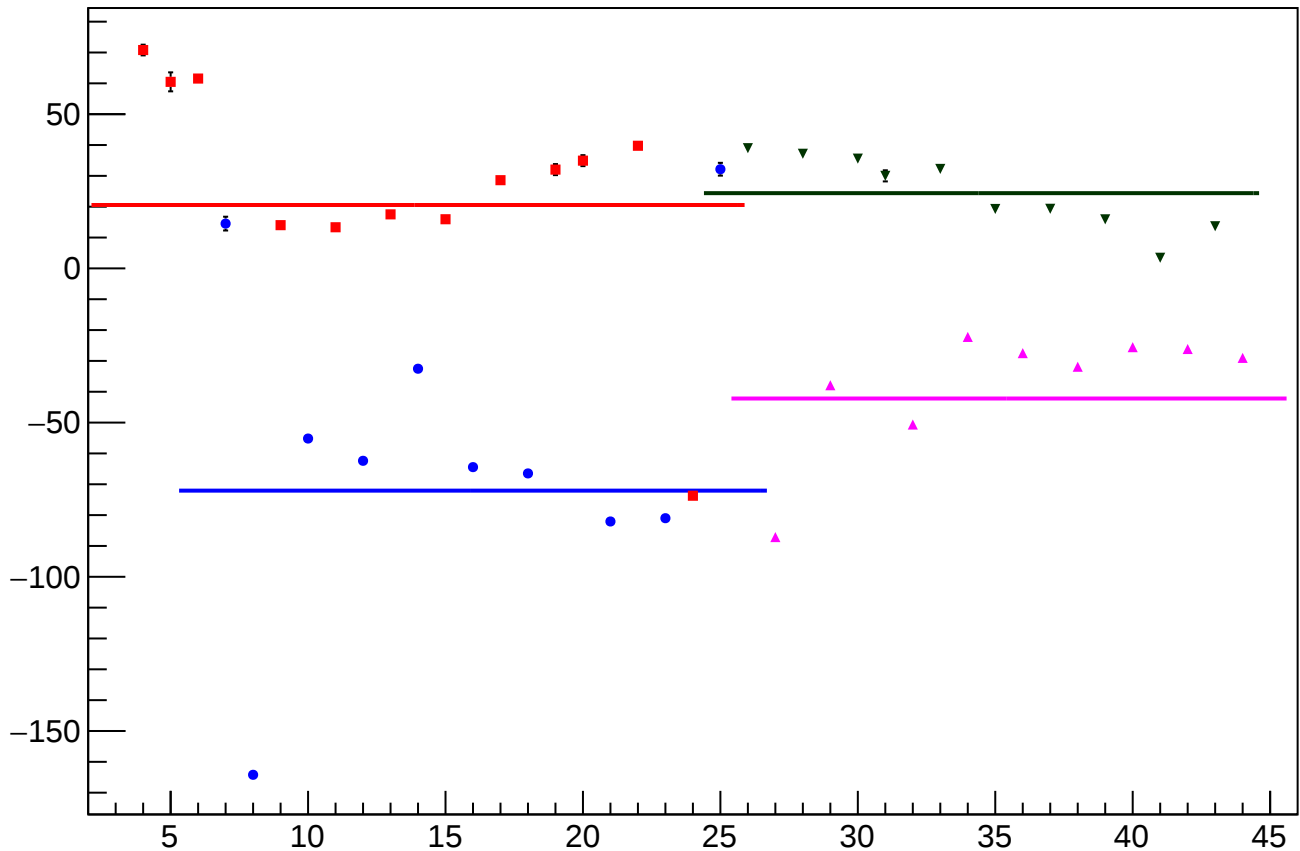
Right Out: 1344.349+/-0.376 χ^2/NDF : 5607.5/11

Left In: 1242.040+/-0.371 χ^2/NDF : 45832.2/8

1300.127+/-0.267 χ^2/NDF : 57890.1/19

1292.470+/-0.264 χ^2/NDF : 88991.5/20

diff_bpm2i02X_mean vs slug



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

Left Out: 24.394 $\pm$ 0.474 χ^2 /NDF: 609.0/9

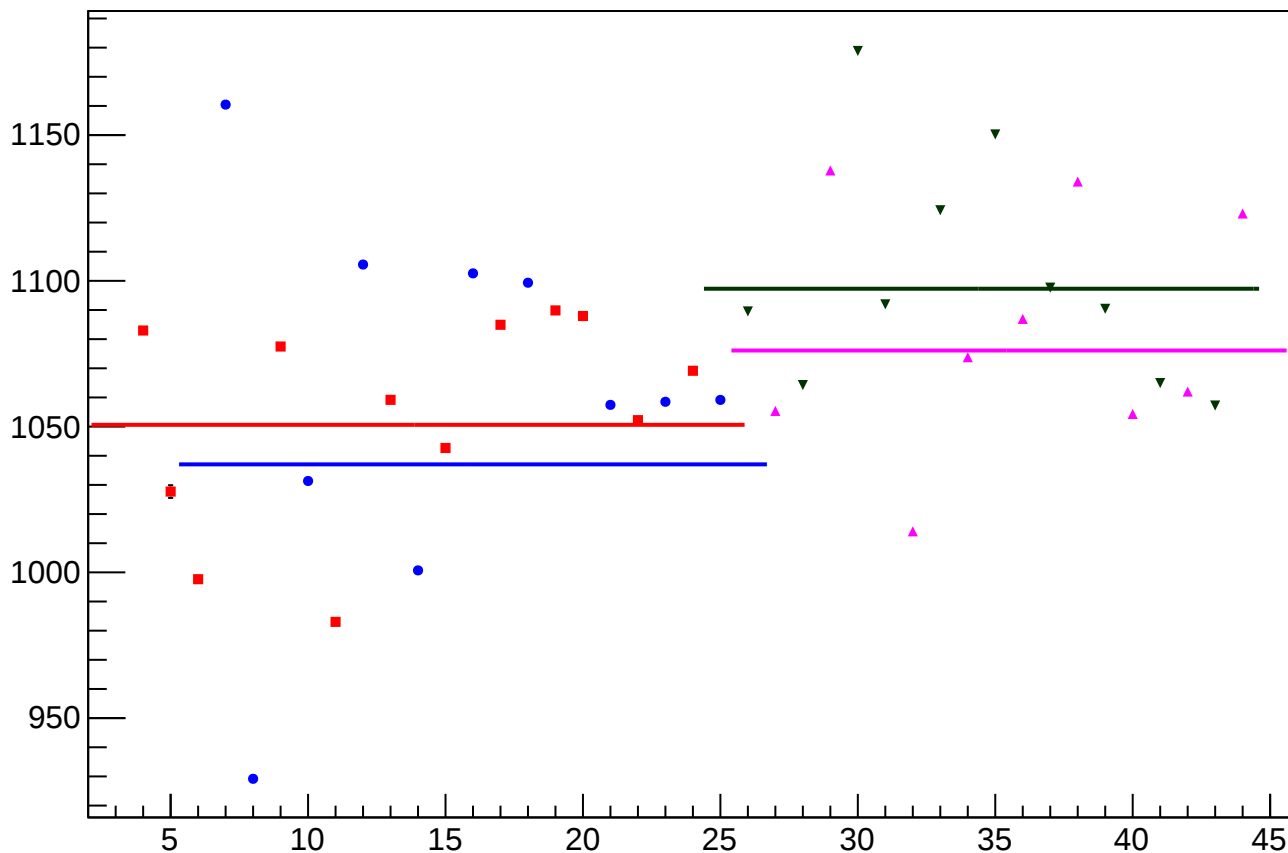
Right Out: 20.554 $\pm$ 0.415 χ^2 /NDF: 7076.4/11

Left In: -42.193 $\pm$ 0.454 χ^2 /NDF: 2243.7/8

-30.961 $\pm$ 0.309 χ^2 /NDF: 39448.6/19

-8.017 $\pm$ 0.306 χ^2 /NDF: 19726.3/20

diff_bpm2i02X_rms vs slug



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

Left Out: 1097.296 $\pm$ 0.335 χ^2 /NDF:11915.4/9

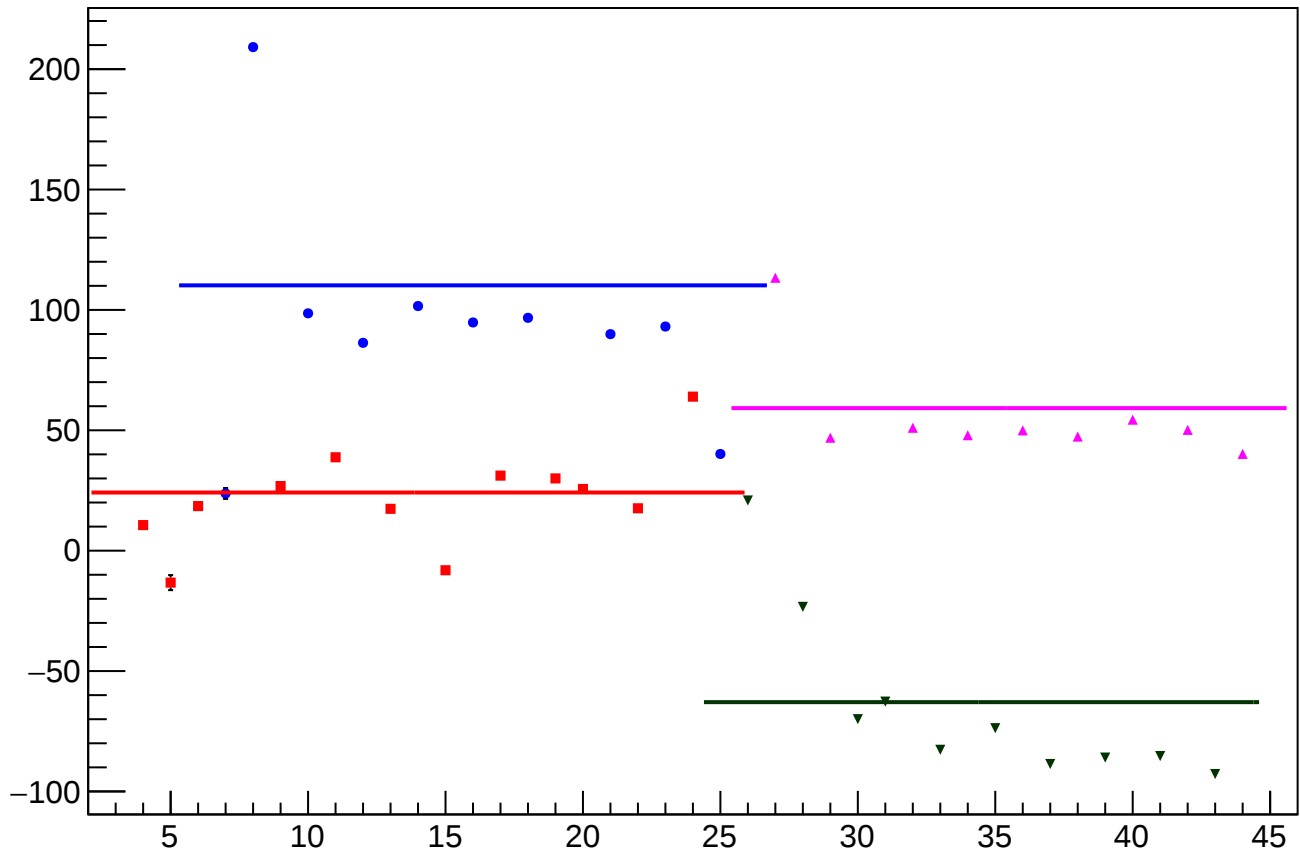
Right Out: 1050.613 $\pm$ 0.293 χ^2 /NDF: 14851.7/11

Left In: 1076.108 $\pm$ 0.321 χ^2 /NDF:17511.2/8

1062.721 $\pm$ 0.219 χ^2 /NDF: 78644.8/19

1062.221 $\pm$ 0.217 χ^2 /NDF: 35798.9/20

diff_bpm2i02Y_mean vs slug



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

Left Out: -62.914 $\pm$ 0.478 χ^2 /NDF: 5328.9/9

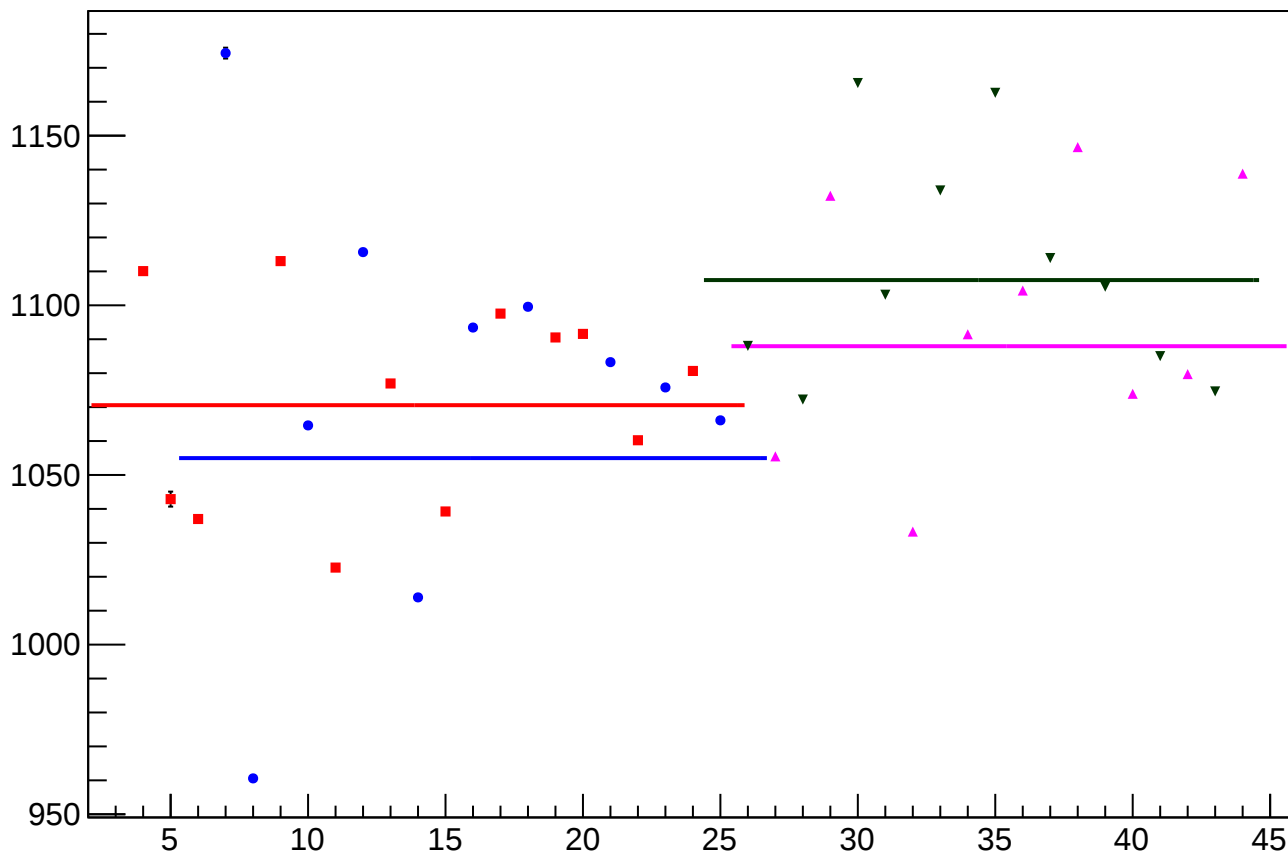
Right Out: 24.160 $\pm$ 0.423 χ^2 /NDF: 1842.7/11

Left In: 59.213 $\pm$ 0.459 χ^2 /NDF: 2740.6/8

35.750 $\pm$ 0.313 χ^2 /NDF: 93459.5/19

40.268 $\pm$ 0.311 χ^2 /NDF: 7739.4/20

diff_bpm2i02Y_rms vs slug



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

Left Out: 1107.440+/-0.338 χ^2/NDF : 8902.6/9

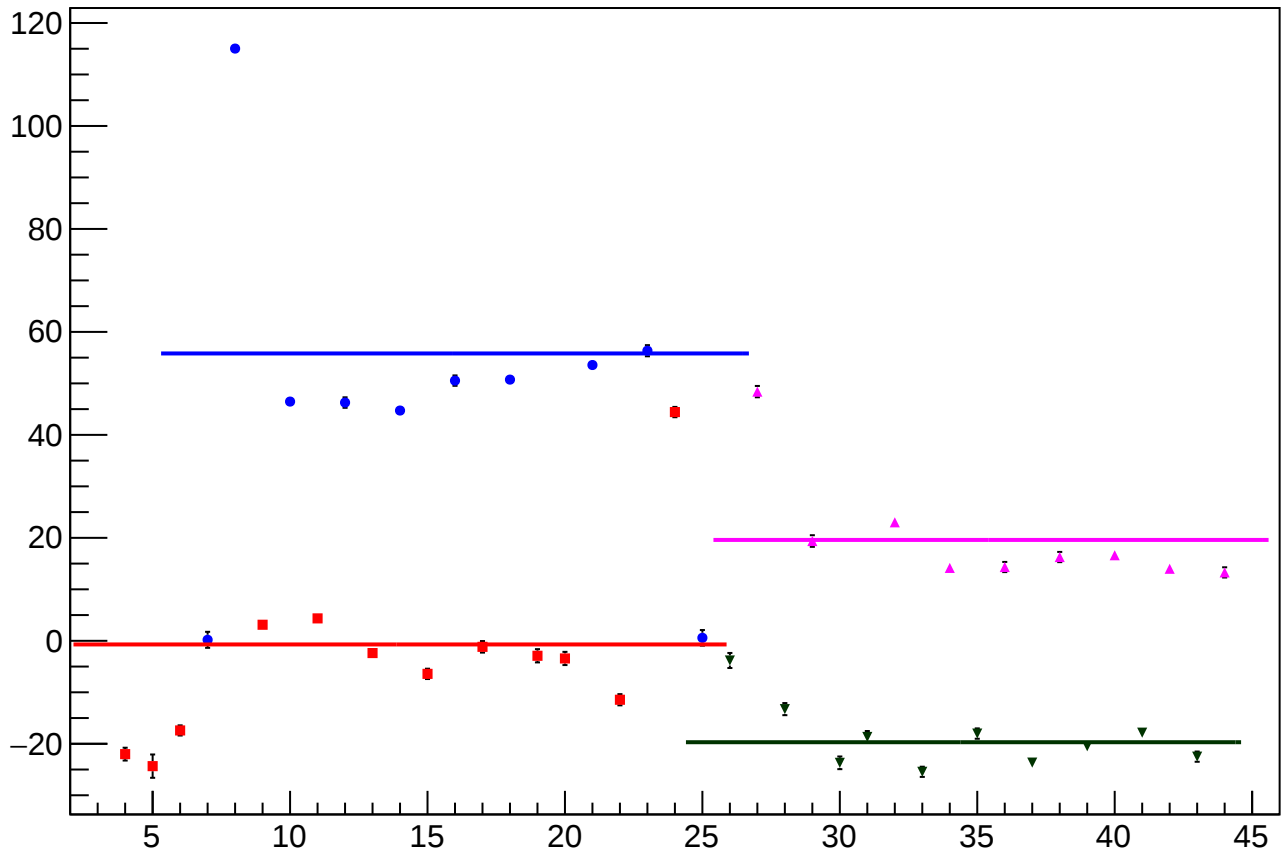
Right Out: 1070.566+/-0.299 χ^2/NDF : 10075.5/11

Left In: 1087.950+/-0.324 χ^2/NDF : 14406.0/8

1077.535+/-0.222 χ^2/NDF : 58190.7/19

1078.555+/-0.220 χ^2/NDF : 26034.0/20

diff_bpm1i04X_mean vs slug



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

Left Out: -19.696 $\pm$ 0.329 χ^2 /NDF:226.0/9

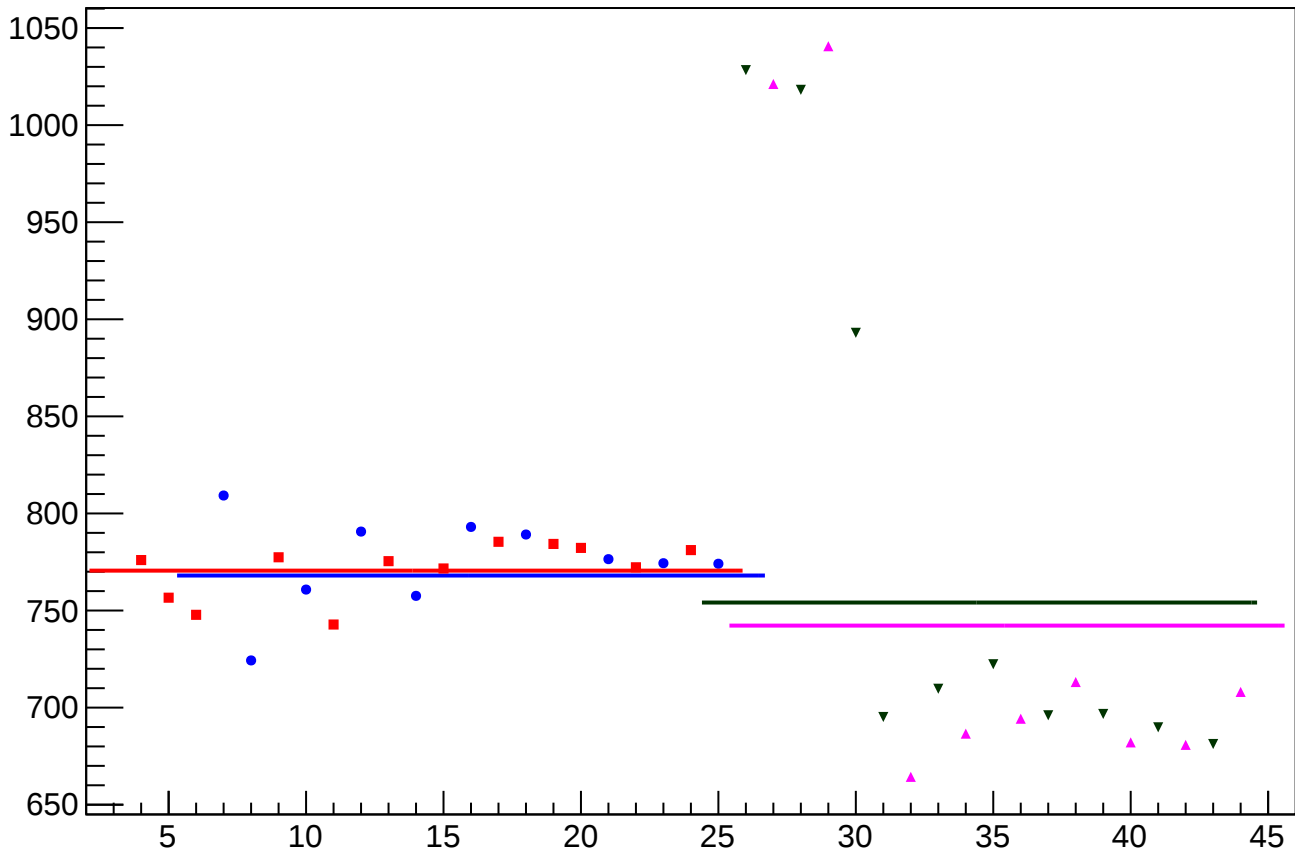
Right Out: -0.705 $\pm$ 0.304 χ^2 /NDF: 2908.1/11

Left In: 19.595 $\pm$ 0.317 χ^2 /NDF:863.4/8

21.362 $\pm$ 0.222 χ^2 /NDF: 38042.0/19

9.024 $\pm$ 0.219 χ^2 /NDF: 5906.6/20

diff_bpm1i04X_rms vs slug



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

Left Out: 754.119+/-0.233 χ^2/NDF : 244495.9/9

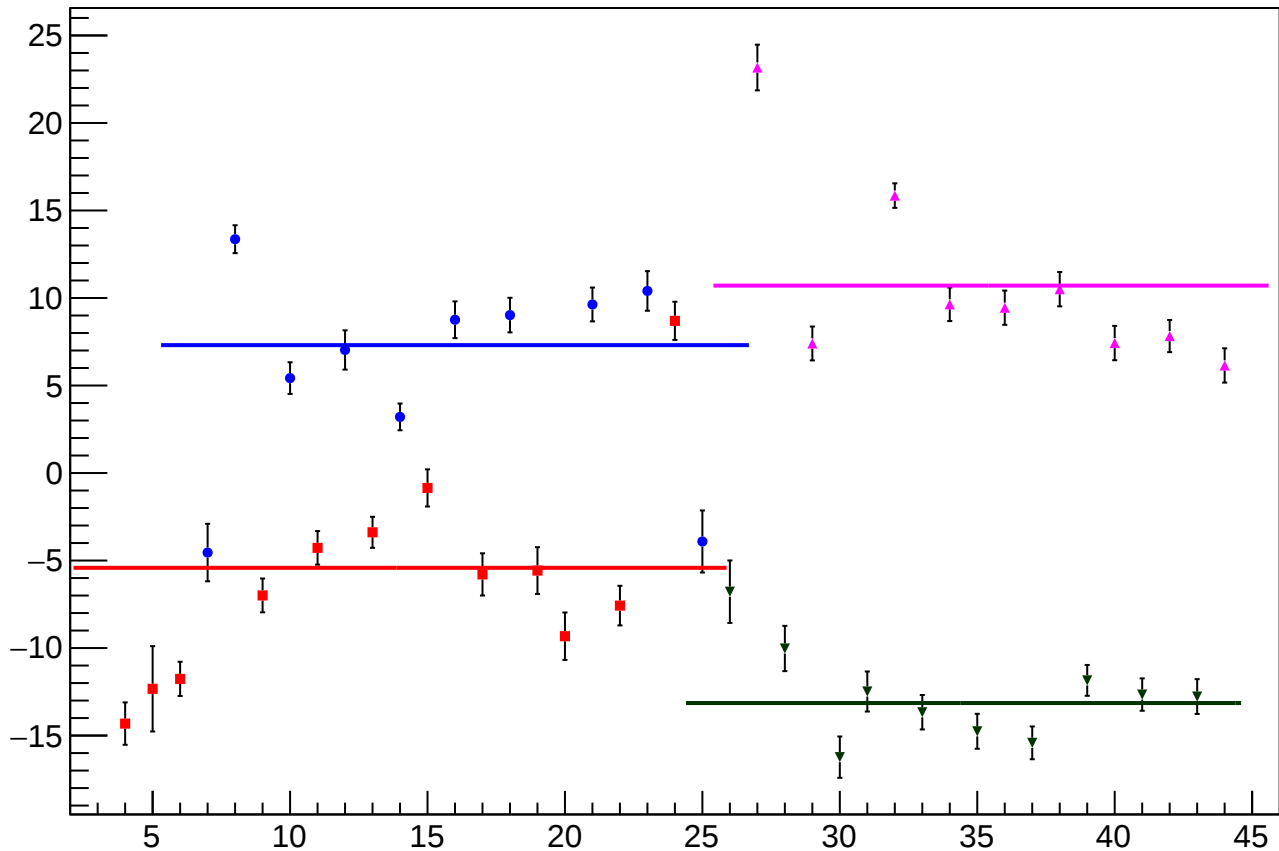
Right Out: 770.550+/-0.215 χ^2/NDF : 4259.5/11

Left In: 742.240+/-0.224 χ^2/NDF : 324033.0/8

761.681+/-0.157 χ^2/NDF : 258548.1/19

756.982+/-0.155 χ^2/NDF : 336596.7/20

diff_bpm1i04Y_mean vs slug



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

Left Out: -13.141 ± 0.333 χ^2/NDF : 37.1/9

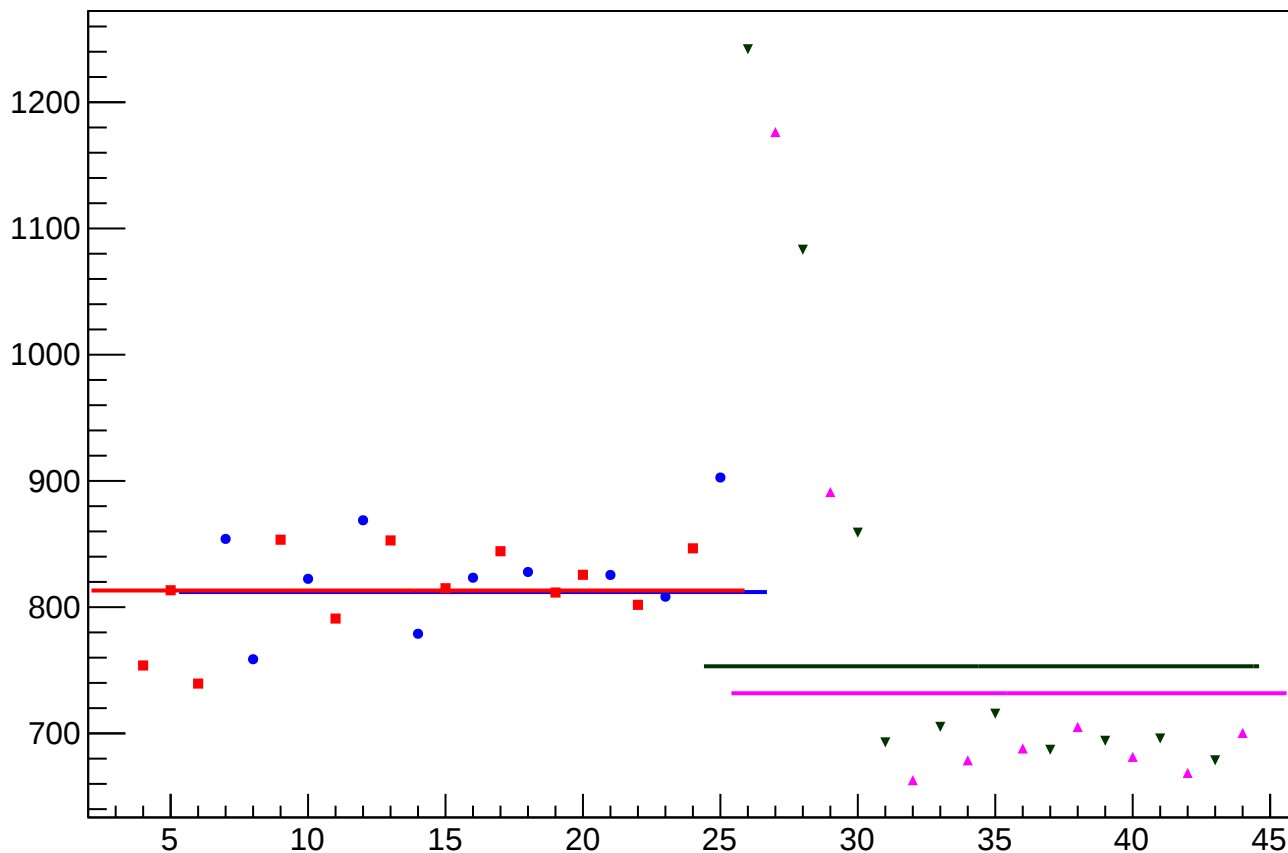
Right Out: -5.416 ± 0.322 χ^2/NDF : 311.5/11

Left In: 10.708 ± 0.314 χ^2/NDF : 202.2/8

-2.517 ± 0.231 χ^2/NDF : 2202.3/19

2.848 ± 0.225 χ^2/NDF : 1796.8/20

diff_bpm1i04Y_rms vs slug



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

Left Out: 753.162 ± 0.235 χ^2/NDF : 347457.9/9

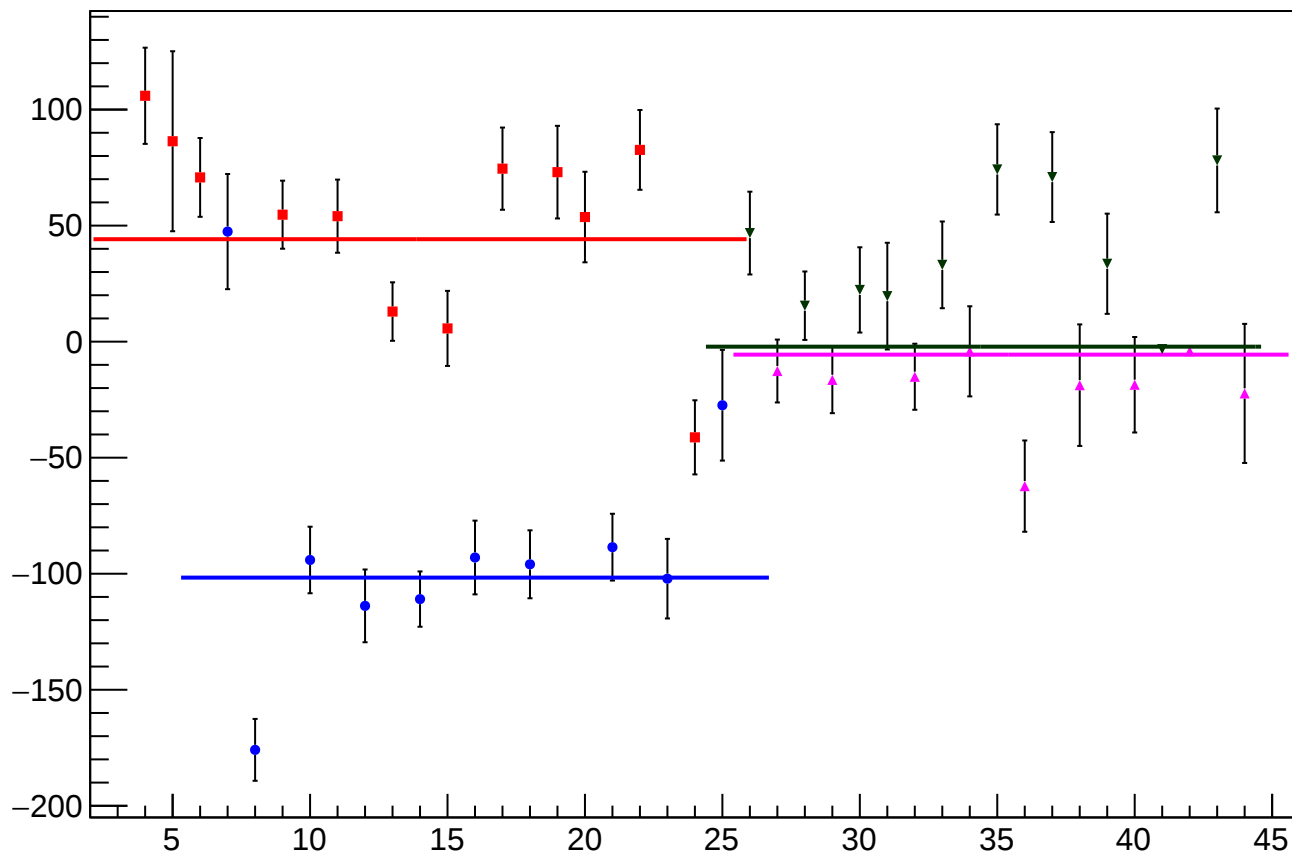
Right Out: 813.189 ± 0.228 χ^2/NDF : 28331.0/11

Left In: 731.813 ± 0.222 χ^2/NDF : 333966.6/8

783.719 ± 0.163 χ^2/NDF : 405743.1/19

771.481 ± 0.159 χ^2/NDF : 427664.8/20

diff_bpm0l02X_mean vs slug



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

Left Out: -2.165 $\pm$ 0.972 χ^2 /NDF: 61.6/9

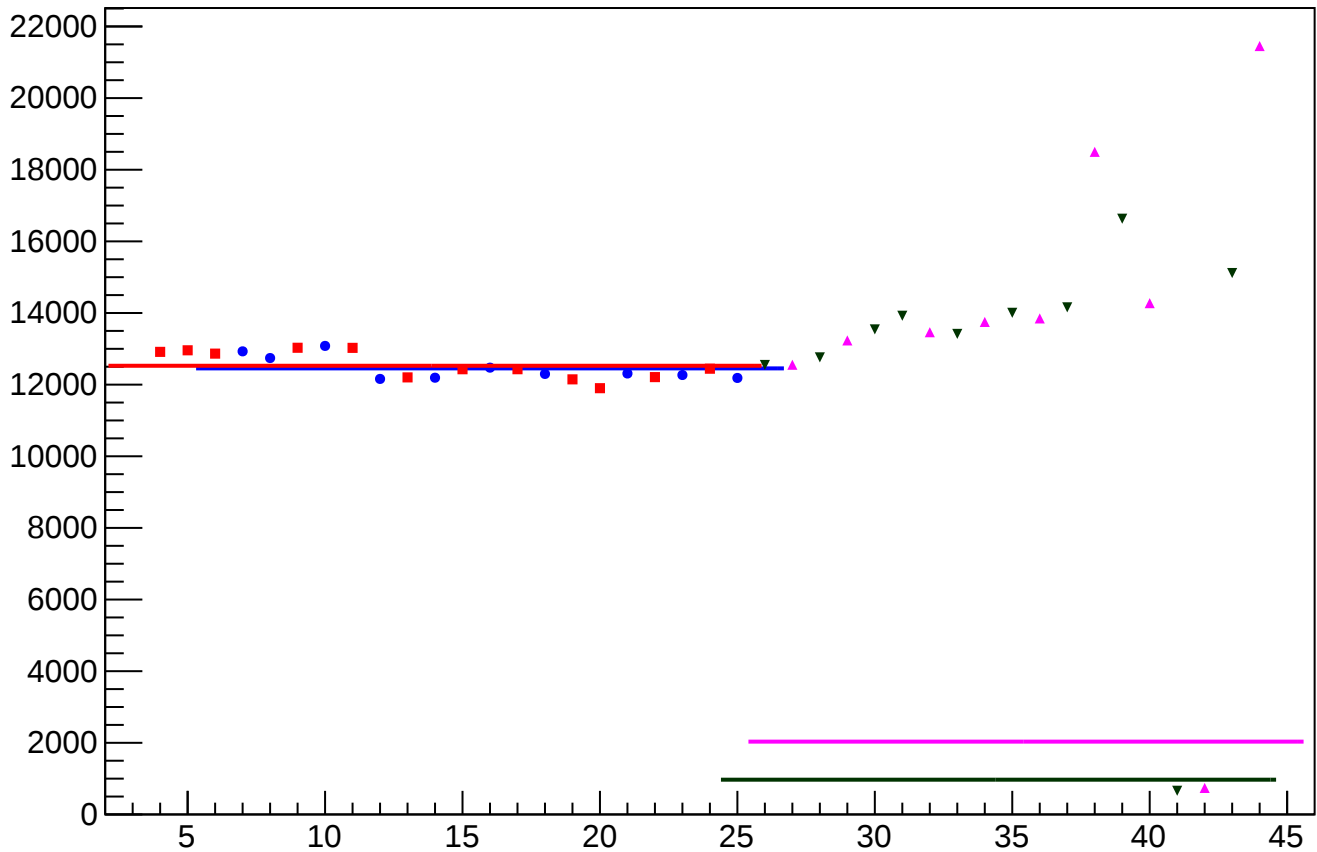
Right Out: 44.144 $\pm$ 4.946 χ^2 /NDF: 64.1/11

Left In: -5.599 $\pm$ 1.958 χ^2 /NDF: 11.1/8

-5.948 $\pm$ 0.953 χ^2 /NDF: 539.7/19

1.142 $\pm$ 1.821 χ^2 /NDF: 162.6/20

diff_bpm0l02X_rms vs slug



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

Left Out: 970.582+/-0.687 χ^2/NDF : 8456735.2/9

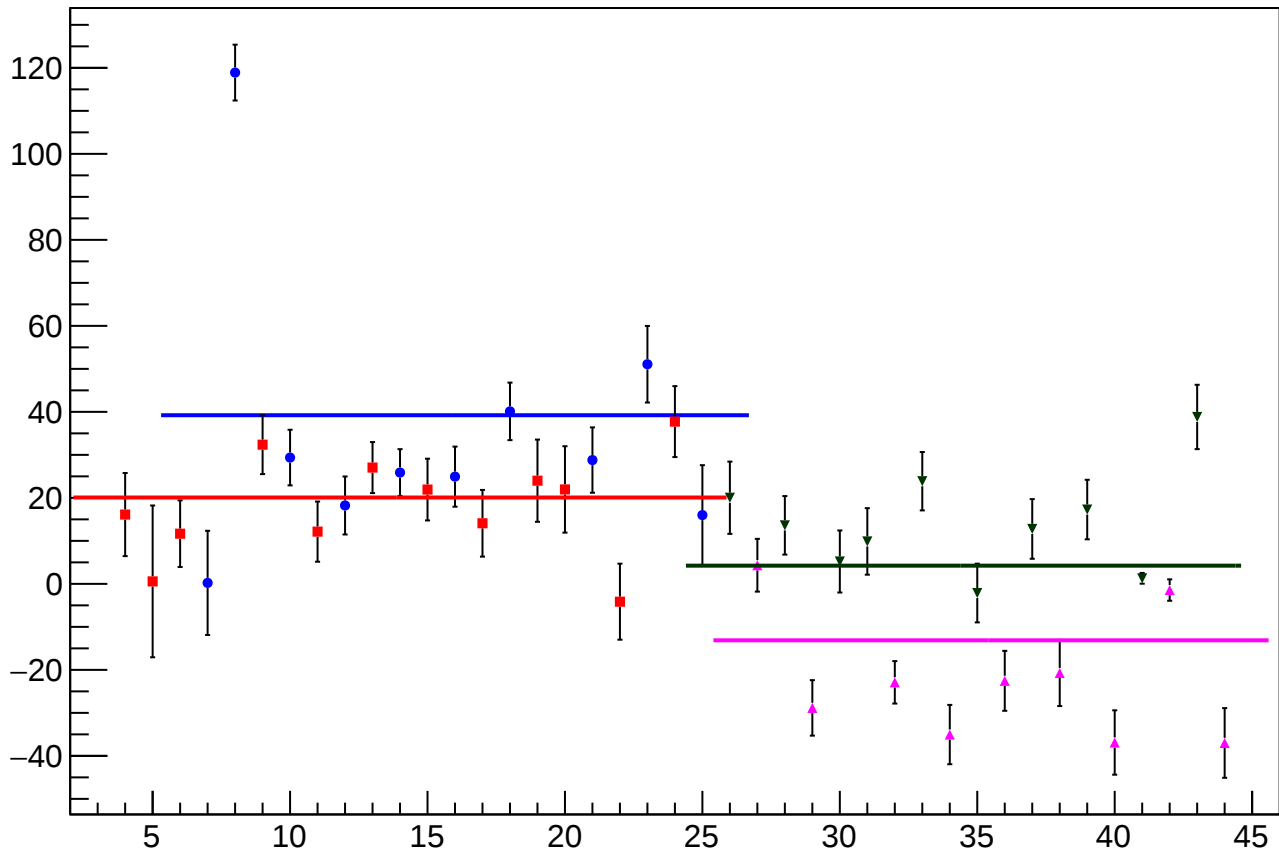
Right Out: 12527.068+/-3.497 χ^2/NDF : 11080.0/11

Left In: 2033.232+/-1.385 χ^2/NDF : 8290377.8/8

1407.102+/-0.674 χ^2/NDF : 19080219.2/19

3455.264+/-1.287 χ^2/NDF : 16085674.7/20

diff_bpm0l02Y_mean vs slug



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

Left Out: 4.234 $\pm$ 1.105 χ^2 /NDF: 47.2/9

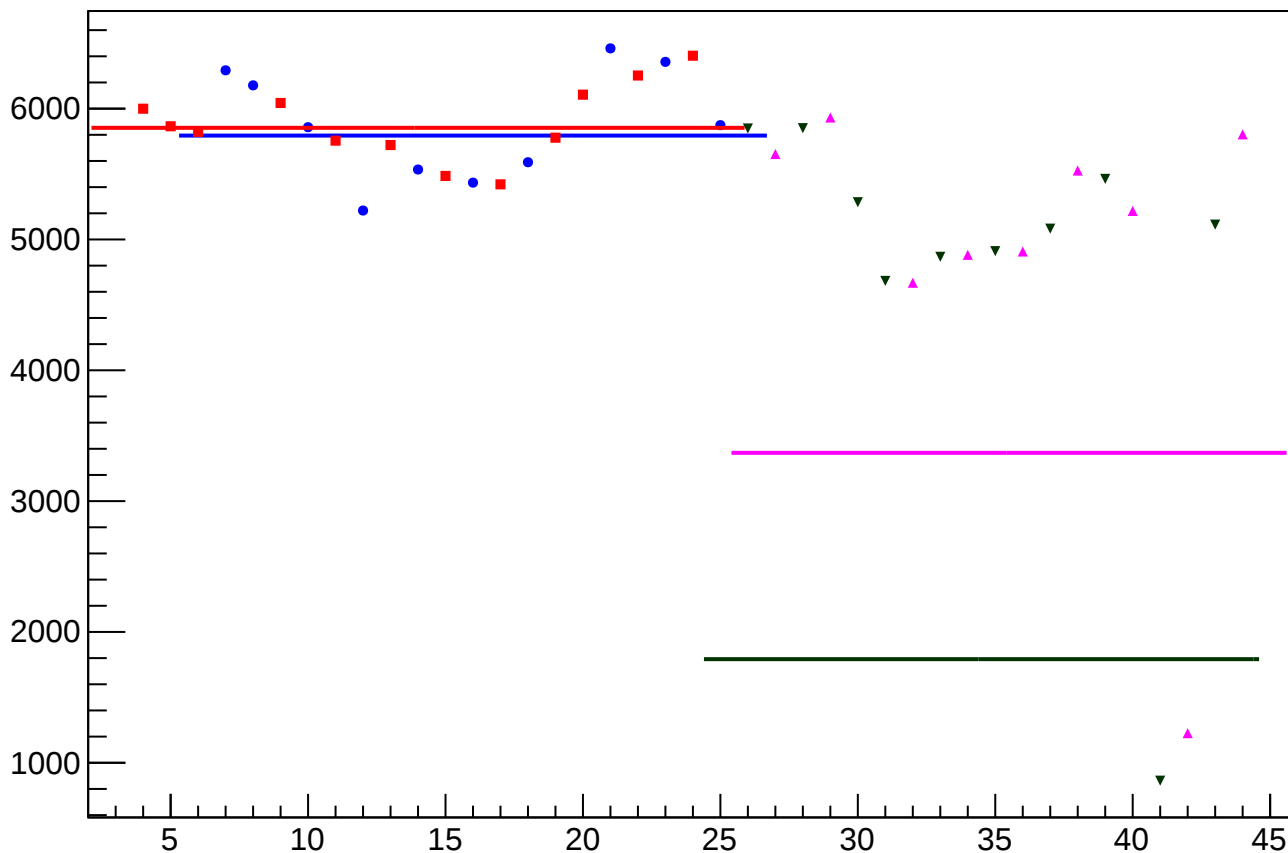
Right Out: 20.083 $\pm$ 2.324 χ^2 /NDF: 21.4/11

Left In: -13.126 $\pm$ 1.704 χ^2 /NDF: 71.6/8

10.837 $\pm$ 0.996 χ^2 /NDF: 427.1/19

-1.516 $\pm$ 1.374 χ^2 /NDF: 225.9/20

diff_bpm0l02Y_rms vs slug



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

Left Out: 1792.038 ± 0.782 χ^2/NDF : 5271430.0/9

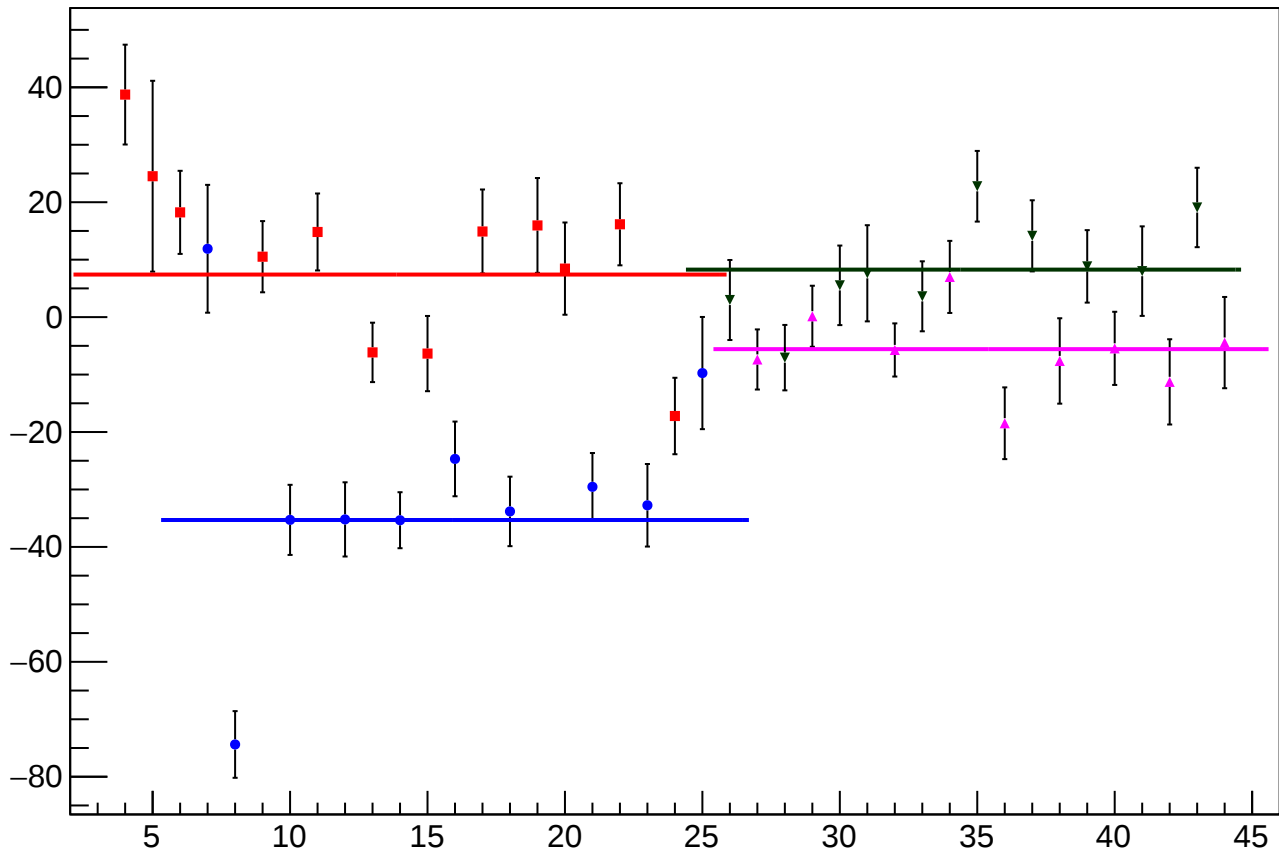
Right Out: 5853.344 ± 1.643 χ^2/NDF : 29282.6/11

Left In: 3369.133 ± 1.205 χ^2/NDF : 2866176.4/8

2547.398 ± 0.704 χ^2/NDF : 10280450.1/19

4237.598 ± 0.972 χ^2/NDF : 4381763.7/20

diff_bpm0l03X_mean vs slug



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

Left Out: 8.269 +/- 2.091 χ^2/NDF : 17.5/9

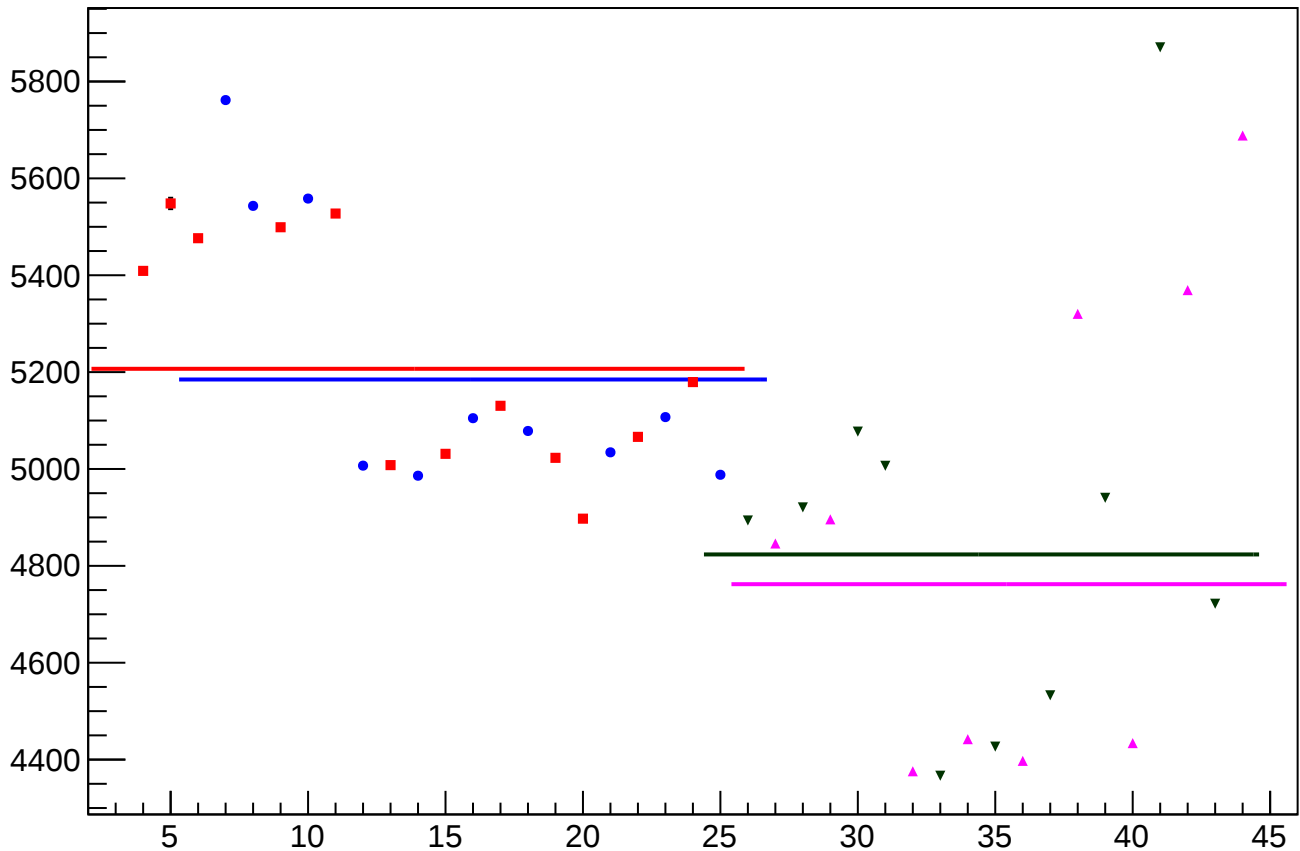
Right Out: 7.409 +/- 2.058 χ^2/NDF : 46.4/11

Left In: -5.574 +/- 2.014 χ^2/NDF : 10.3/8

-14.073 +/- 1.460 χ^2/NDF : 314.1/19

0.777 +/- 1.439 χ^2/NDF : 77.0/20

diff_bpm0l03X_rms vs slug



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

Left Out: 4823.564+/-1.479 χ^2/NDF : 65634.4/9

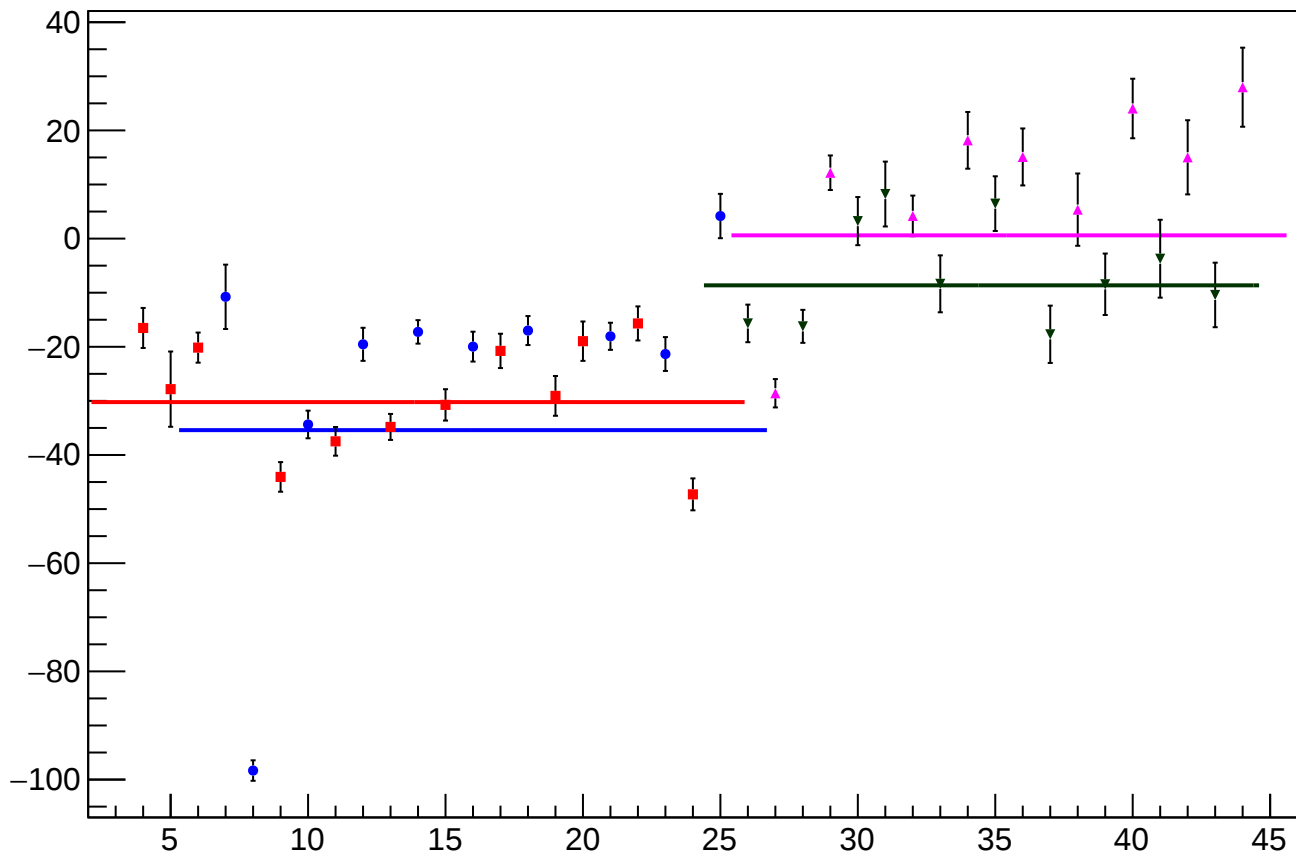
Right Out: 5206.838+/-1.455 χ^2/NDF : 23121.5/11

Left In: 4762.141+/-1.424 χ^2/NDF : 84948.8/8

5008.726+/-1.032 χ^2/NDF : 124828.0/19

4979.679+/-1.018 χ^2/NDF : 155774.3/20

diff_bpm0l03Y_mean vs slug



Right In: -35.407 ± 0.854 $\chi^2/\text{NDF}: 1459.3/9$

Left Out: -8.640 ± 1.477 $\chi^2/\text{NDF}: 37.8/9$

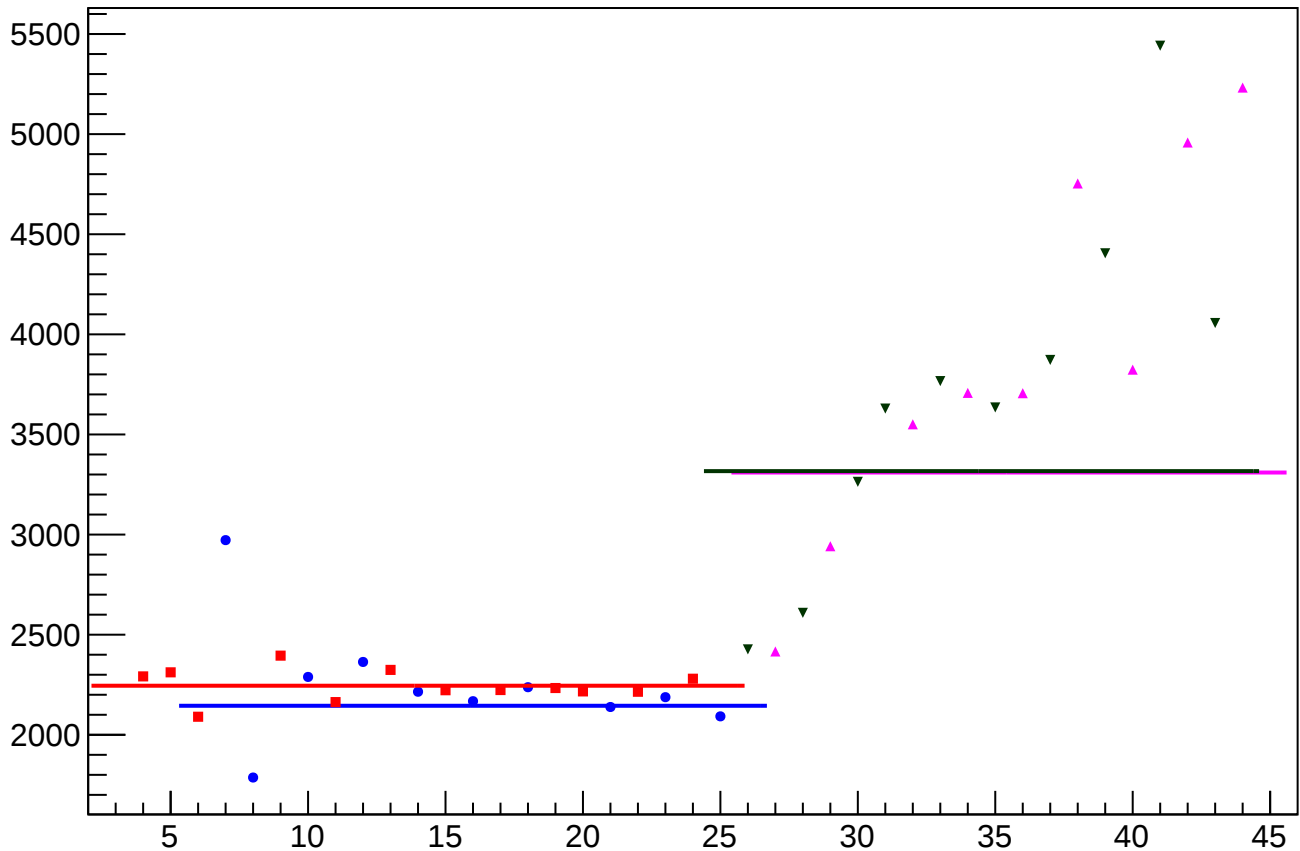
Right Out: -30.222 ± 0.893 $\chi^2/\text{NDF}: 136.9/11$

Left In: 0.601 ± 1.440 $\chi^2/\text{NDF}: 194.1/8$

-28.703 ± 0.739 $\chi^2/\text{NDF}: 1743.2/19$

-21.664 ± 0.759 $\chi^2/\text{NDF}: 662.1/20$

diff_bpm0l03Y_rms vs slug



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

Left Out: 3316.868+/-1.044 χ^2/NDF : 568076.0/9

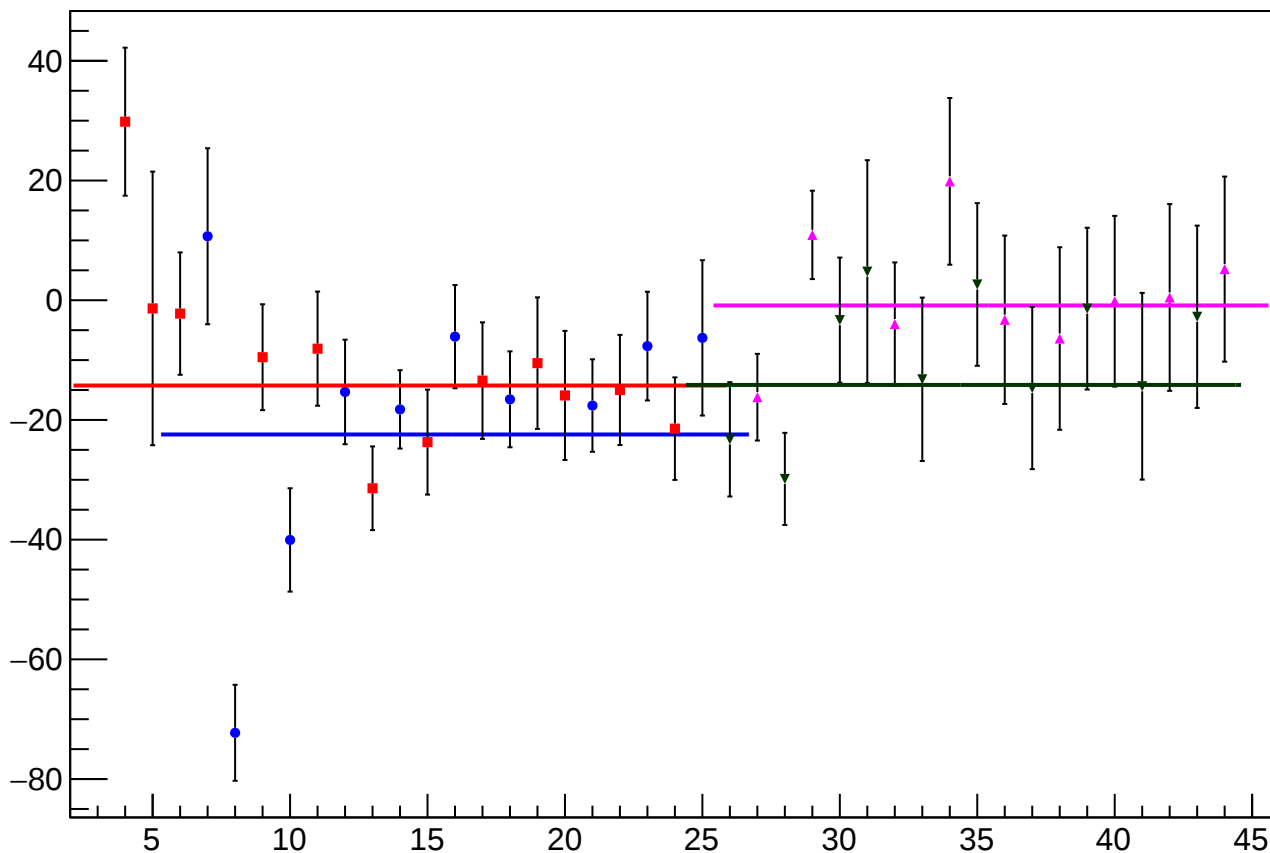
Right Out: 2245.118+/-0.631 χ^2/NDF : 17612.9/11

Left In: 3309.905+/-1.018 χ^2/NDF : 655131.6/8

2438.481+/-0.523 χ^2/NDF : 1643986.4/19

2540.741+/-0.536 χ^2/NDF : 1462988.3/20

diff_bpm0l04X_mean vs slug



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

Left Out: -14.150 ± 3.779 χ^2/NDF : 10.2/9

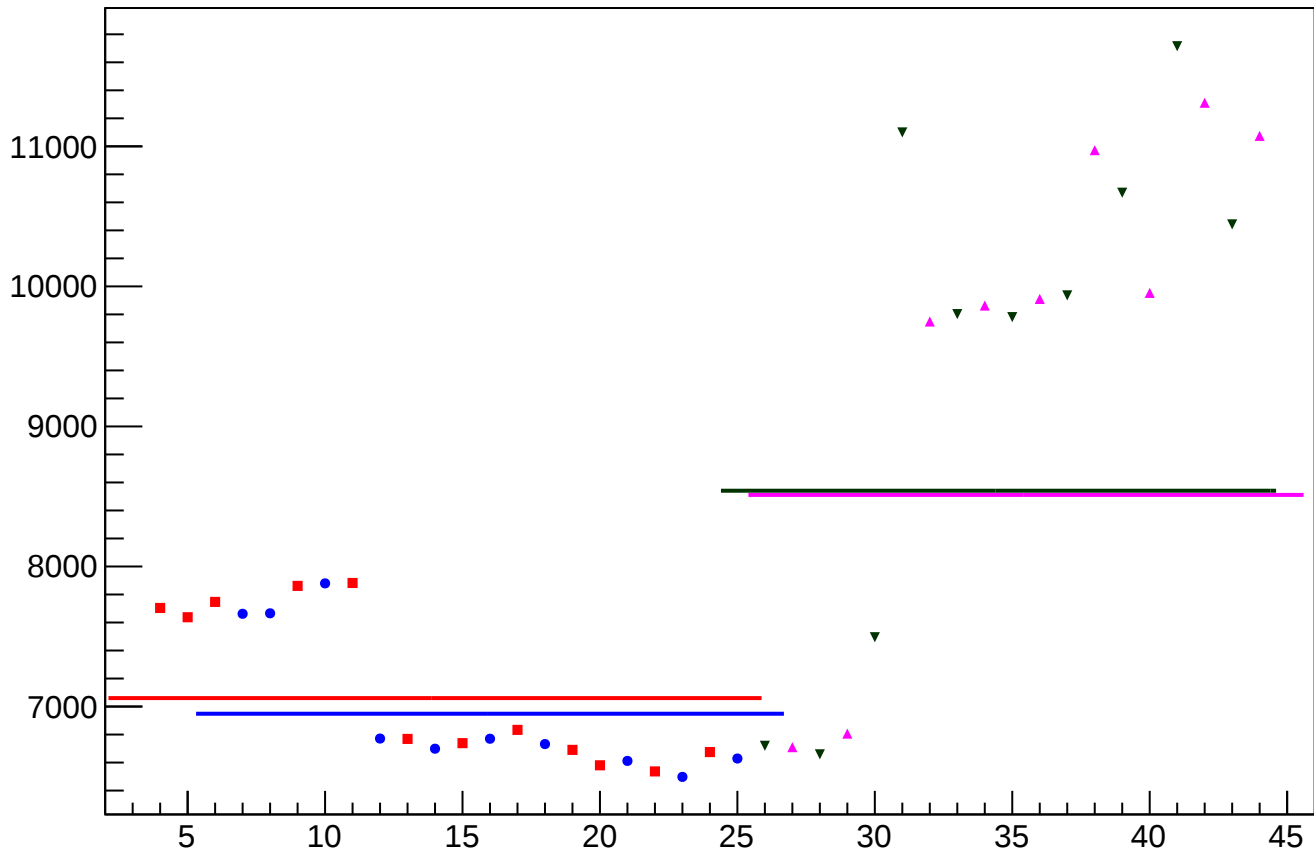
Right Out: -14.248 ± 2.794 χ^2/NDF : 23.2/11

Left In: -0.870 ± 3.662 χ^2/NDF : 9.7/8

-19.586 ± 2.215 χ^2/NDF : 71.0/19

-9.327 ± 2.221 χ^2/NDF : 41.3/20

diff_bpm0l04X_rms vs slug



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

Left Out: 8541.053+/-2.672 χ^2/NDF : 468689.9/9

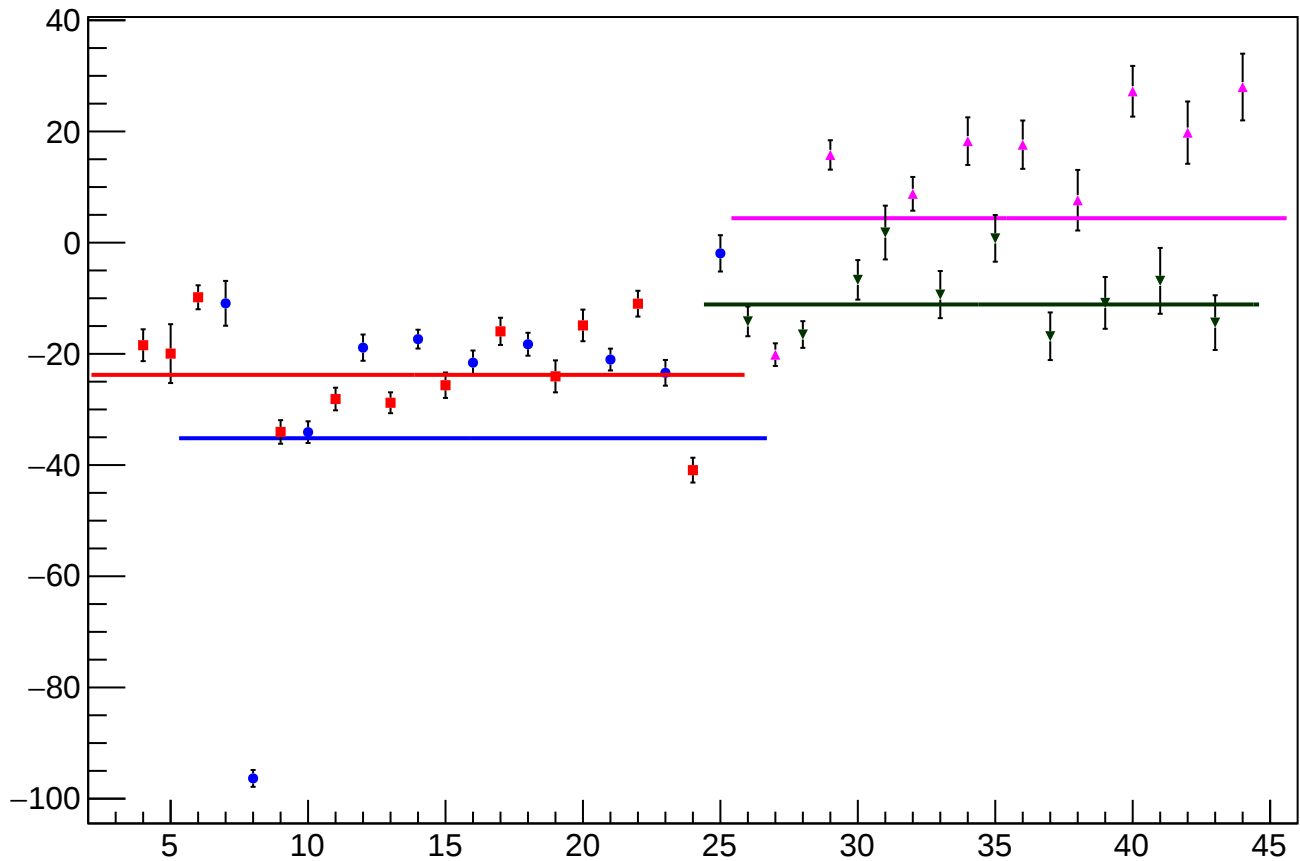
Right Out: 7060.304+/-1.976 χ^2/NDF : 70982.1/11

Left In: 8511.059+/-2.590 χ^2/NDF : 489873.9/8

7495.459+/-1.566 χ^2/NDF : 761799.9/19

7593.993+/-1.571 χ^2/NDF : 759245.9/20

diff_bpm0l04Y_mean vs slug



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

Left Out: -11.117 $\pm$ 1.180 χ^2 /NDF:26.0/9

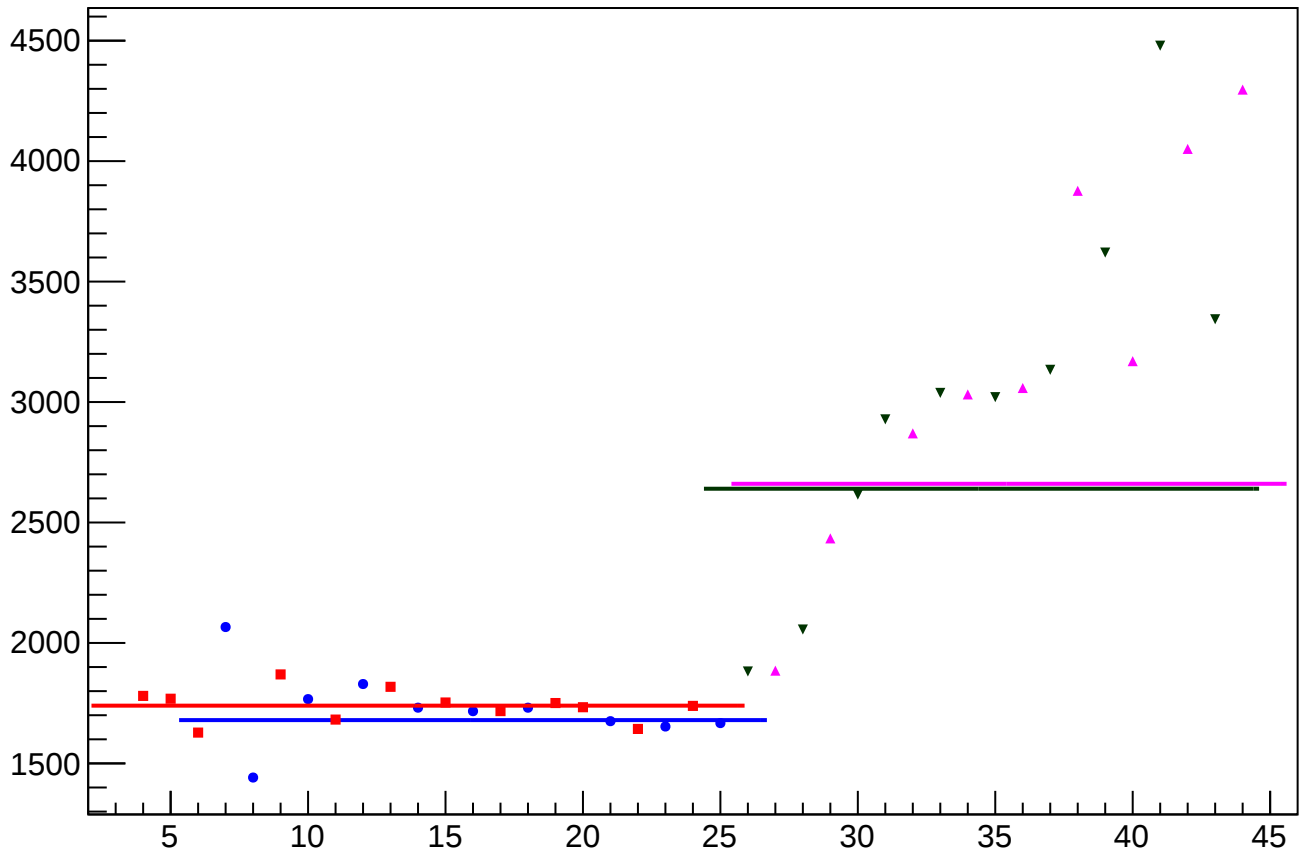
Right Out: -23.778 $\pm$ 0.688 χ^2 /NDF: 191.1/11

Left In: 4.400 $\pm$ 1.161 χ^2 /NDF:233.8/8

-29.400 $\pm$ 0.578 χ^2 /NDF: 2459.1/19

-16.452 $\pm$ 0.592 χ^2 /NDF: 860.5/20

diff_bpm0l04Y_rms vs slug



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

Left Out: 2640.174 $\pm$ 0.834 χ^2 /NDF:669513.9/9

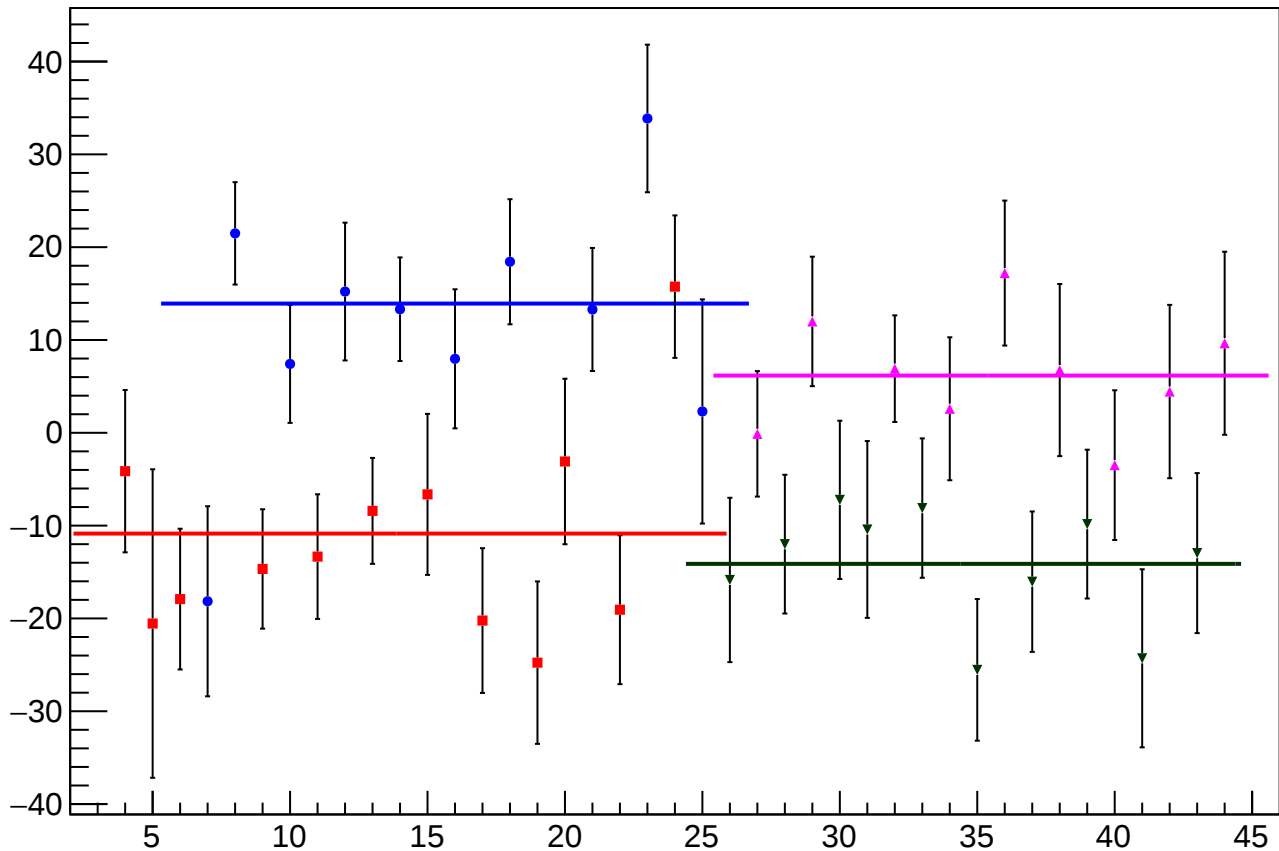
Right Out: 1739.740 $\pm$ 0.487 χ^2 /NDF: 22147.7/11

Left In: 2660.633 $\pm$ 0.821 χ^2 /NDF:742100.2/8

1910.276 $\pm$ 0.409 χ^2 /NDF: 1760629.0/19

1979.192 $\pm$ 0.419 χ^2 /NDF: 1694724.2/20

diff_bpm0l05X_mean vs slug



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

Left Out: -14.120 ± 2.602 $\chi^2/\text{NDF}: 5.3/9$

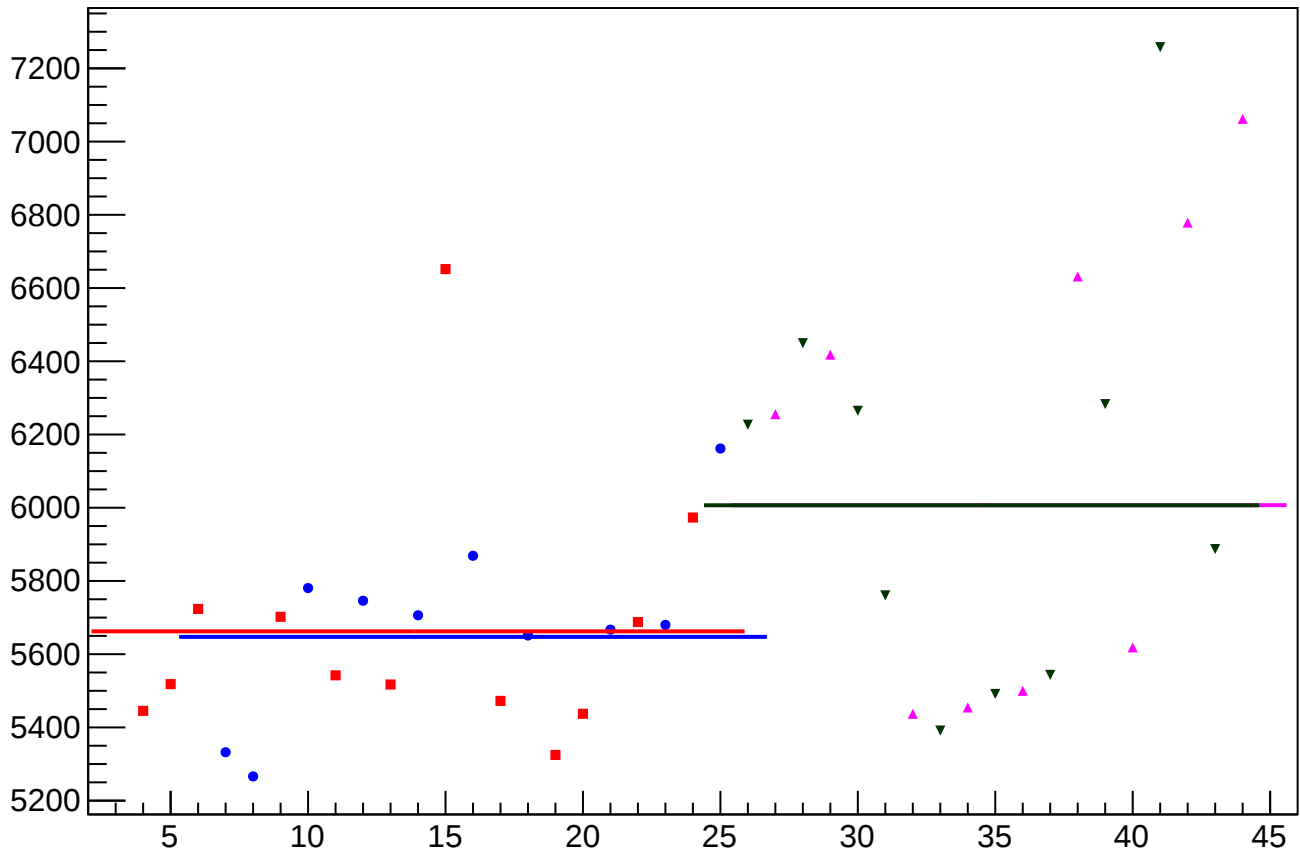
Right Out: -10.857 ± 2.241 $\chi^2/\text{NDF}: 20.5/11$

Left In: 6.168 ± 2.542 $\chi^2/\text{NDF}: 5.4/8$

2.102 ± 1.689 $\chi^2/\text{NDF}: 93.6/19$

-3.410 ± 1.681 $\chi^2/\text{NDF}: 51.1/20$

diff_bpm0l05X_rms vs slug



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

Left Out: 6006.744+/-1.840 χ^2/NDF : 78250.5/9

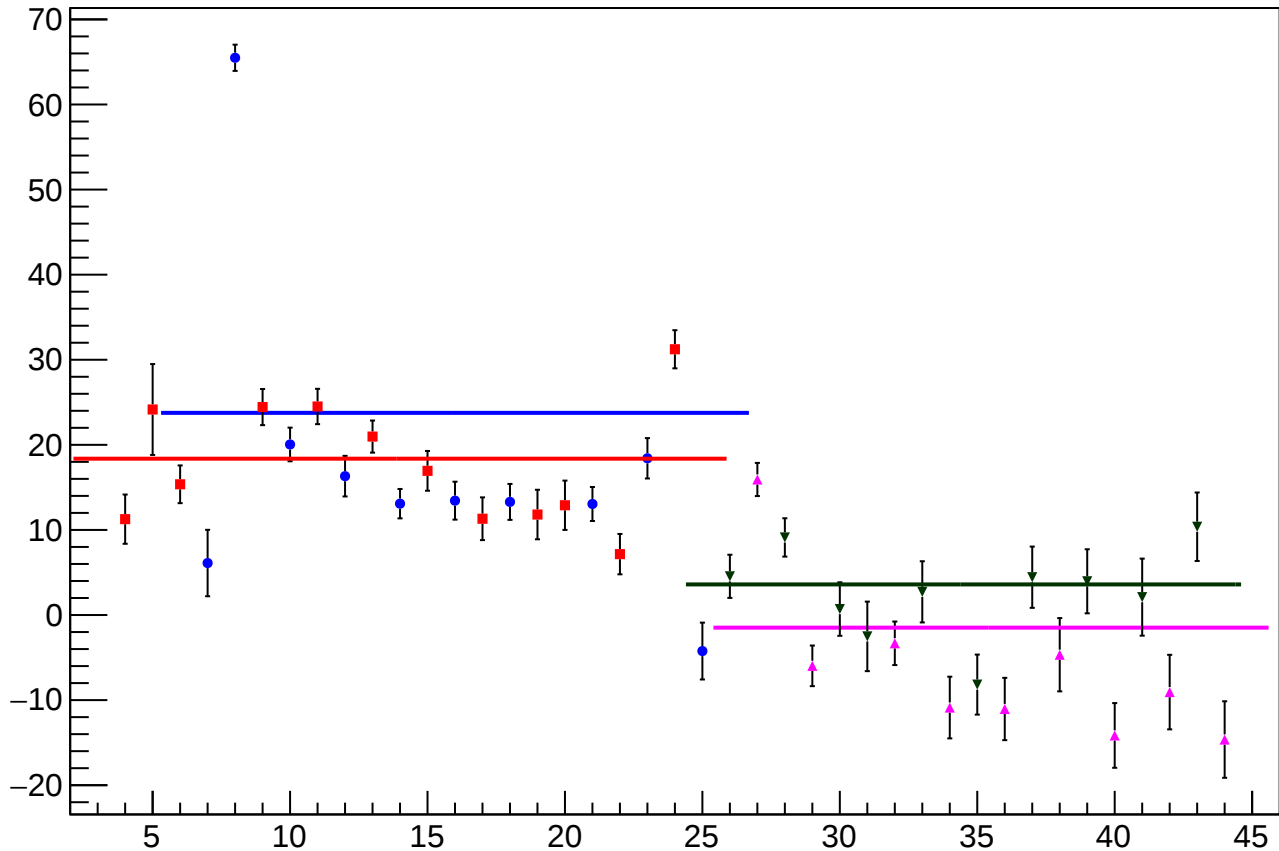
5798.829+/-1.195 χ^2/NDF : 118642.3/19

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

5813.118+/-1.189 χ^2/NDF : 157266.3/20

Left In: 6007.013+/-1.798 χ^2/NDF : 98309.1/8

diff_bpm0l05Y_mean vs slug



Right In: 23.760 ± 0.675 χ^2/NDF : 954.7/9

Left Out: 3.596 ± 1.037 χ^2/NDF : 23.4/9

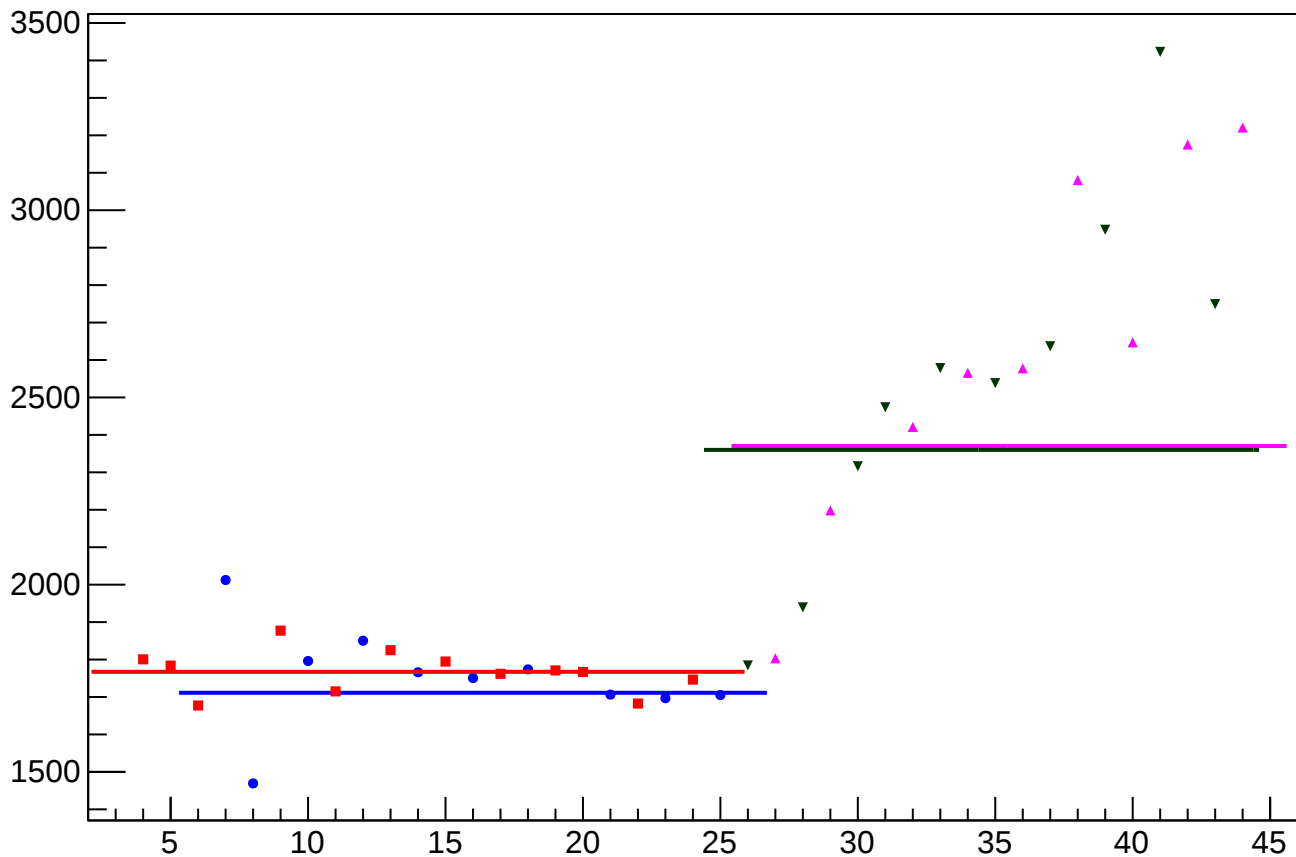
Right Out: 18.373 ± 0.699 χ^2/NDF : 100.0/11

Left In: -1.484 ± 1.017 χ^2/NDF : 120.7/8

17.765 ± 0.566 χ^2/NDF : 1243.7/19

12.005 ± 0.576 χ^2/NDF : 479.7/20

diff_bpm0l05Y_rms vs slug



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

Left Out: 2359.972+/-0.733 χ^2/NDF : 376681.6/9

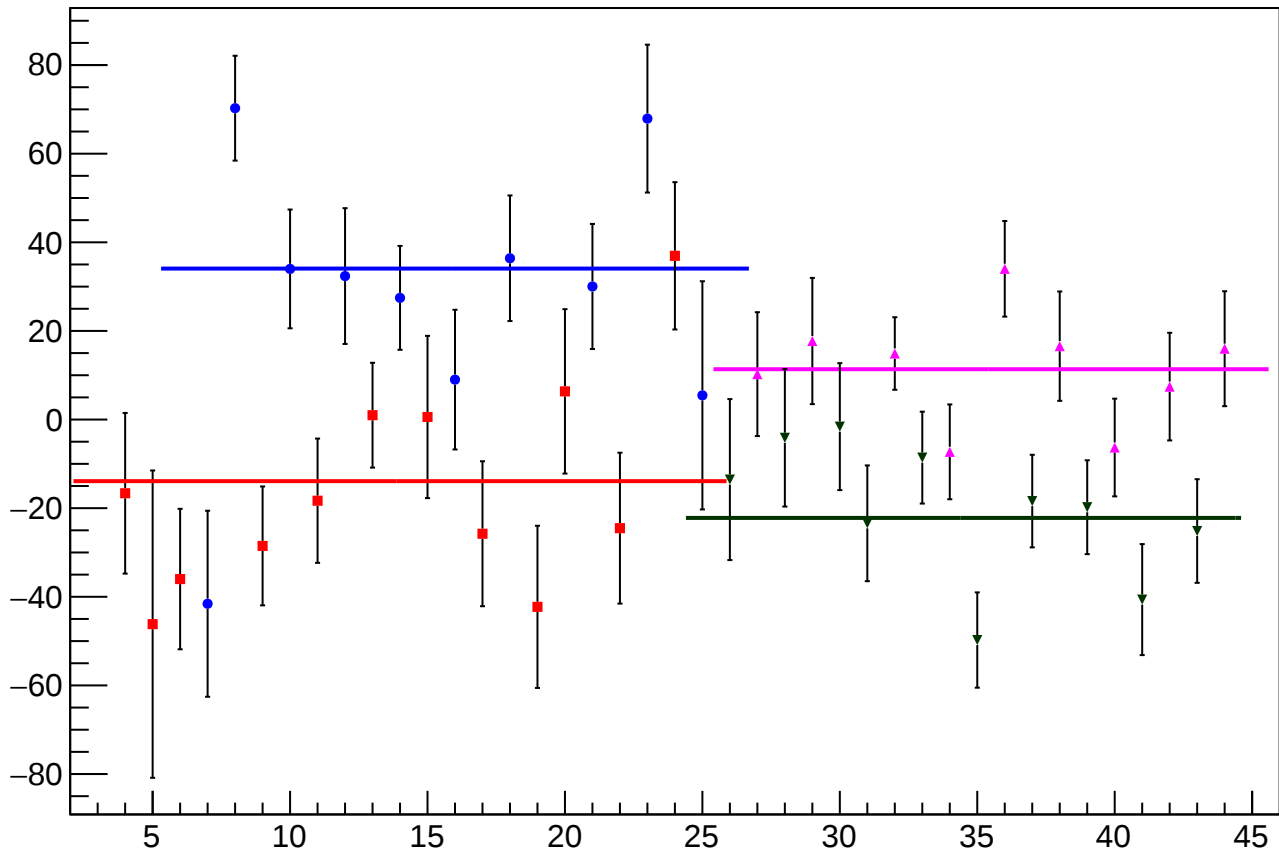
Right Out: 1767.340+/-0.494 χ^2/NDF : 15091.3/11

Left In: 2370.321+/-0.719 χ^2/NDF : 396932.3/8

1904.135+/-0.400 χ^2/NDF : 1002467.8/19

1960.700+/-0.407 χ^2/NDF : 889766.9/20

diff_bpm0l06X_mean vs slug



Right In: 34.072 ± 4.681 χ^2/NDF : 30.7/9

Left Out: -22.199 ± 3.845 χ^2/NDF : 14.4/9

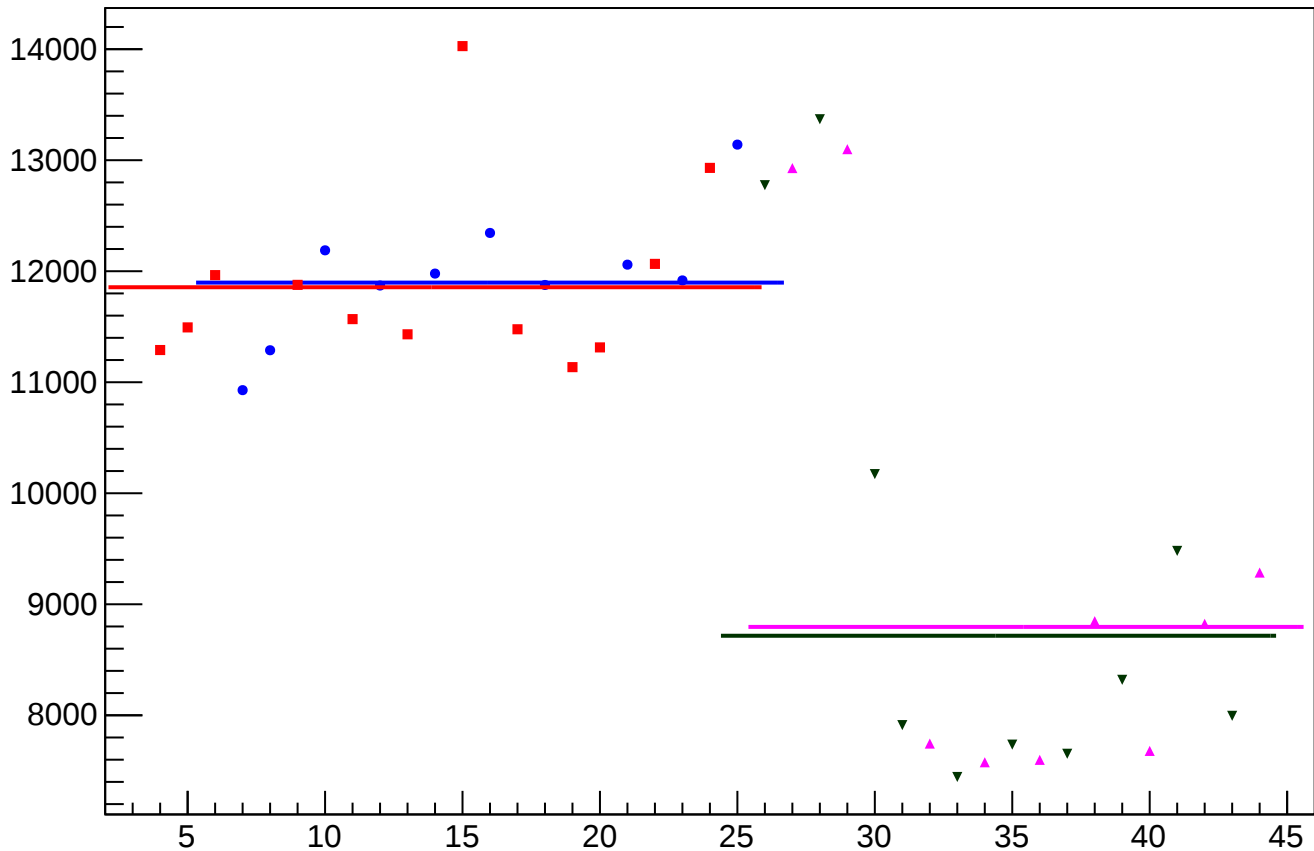
Right Out: -13.904 ± 4.697 χ^2/NDF : 20.2/11

Left In: 11.359 ± 3.785 χ^2/NDF : 10.8/8

0.474 ± 2.971 χ^2/NDF : 131.3/19

1.414 ± 2.947 χ^2/NDF : 48.5/20

diff_bpm0l06X_rms vs slug



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

Left Out: 8716.427+/-2.719 χ^2/NDF :393127.4/9

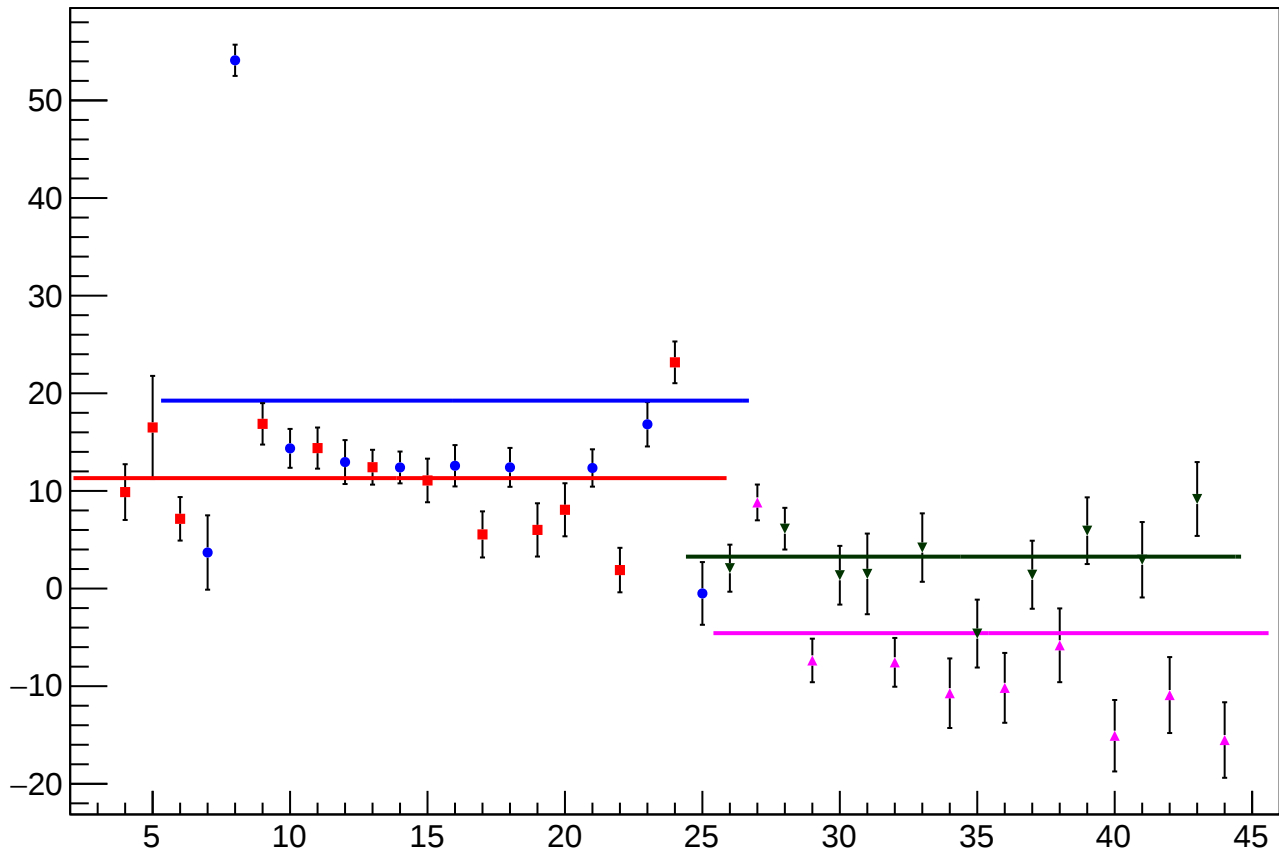
9998.152+/-2.101 χ^2/NDF : 961692.2/19

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

10000.514+/-2.084 χ^2/NDF : 1027155.3/20

Left In: 8796.116+/-2.676 χ^2/NDF :464333.7/8

diff_bpm0l06Y_mean vs slug



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

Left Out: 3.269+/-0.986 χ^2/NDF : 11.2/9

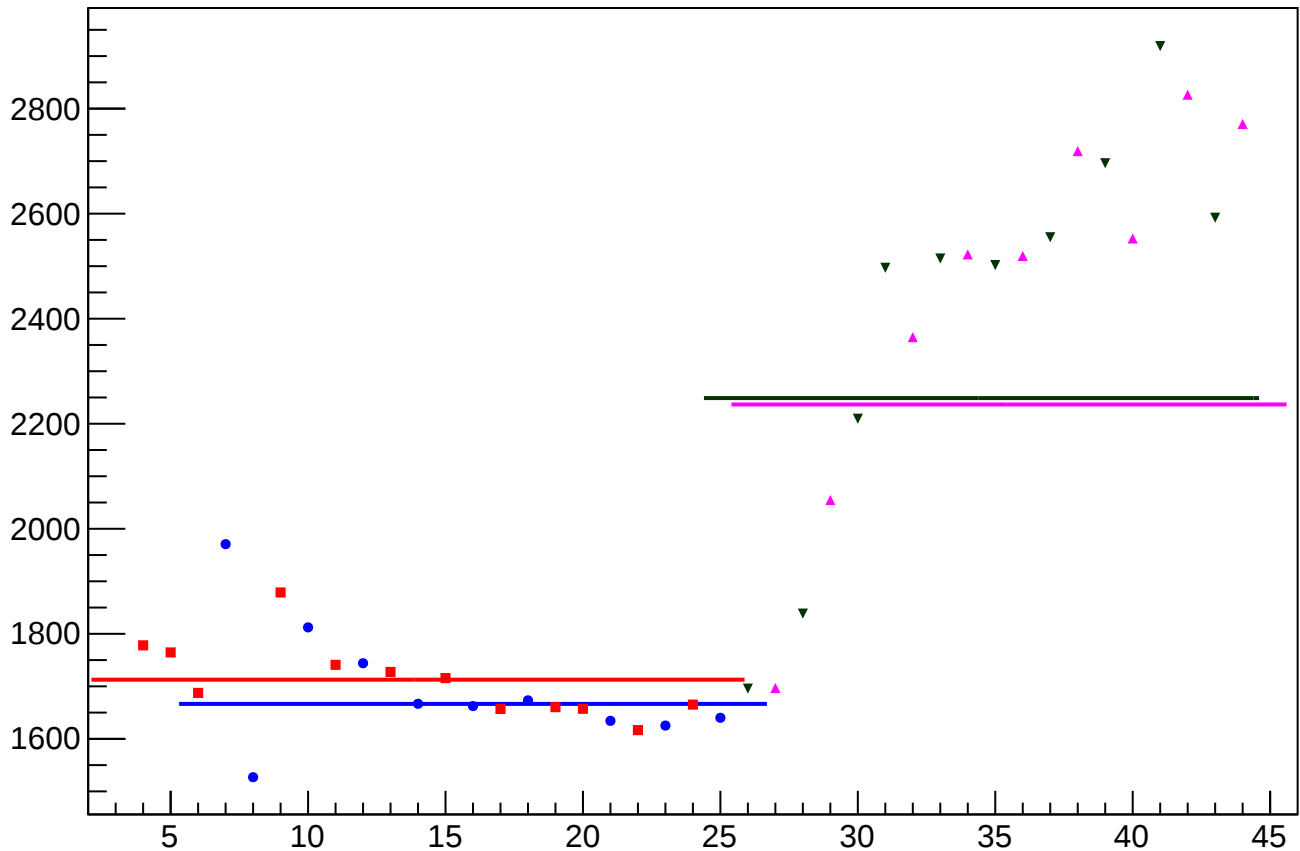
Right Out: 11.311+/-0.677 χ^2/NDF : 73.1/11

Left In: -4.569+/-0.956 χ^2/NDF : 80.8/8

14.345+/-0.546 χ^2/NDF : 789.7/19

6.011+/-0.553 χ^2/NDF : 337.6/20

diff_bpm0l06Y_rms vs slug



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

Left Out: 2248.854+/-0.697 χ^2/NDF : 335259.7/9

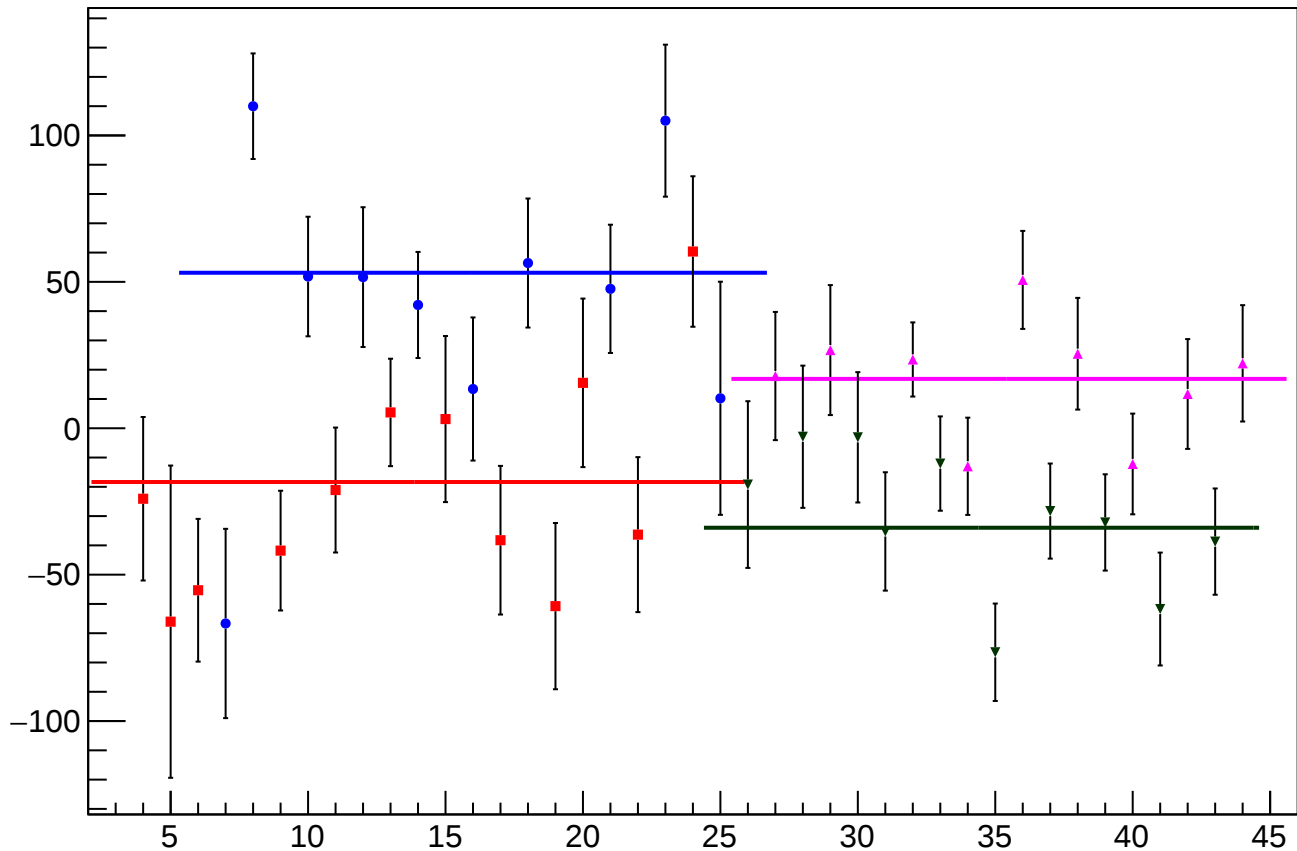
Right Out: 1712.647+/-0.479 χ^2/NDF : 21464.2/11

Left In: 2236.692+/-0.676 χ^2/NDF : 349030.8/8

1845.280+/-0.386 χ^2/NDF : 861596.5/19

1887.555+/-0.391 χ^2/NDF : 770585.0/20

diff_bpm0l07X_mean vs slug



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

Left Out: -33.973 $\pm$ 5.967 χ^2 /NDF:14.5/9

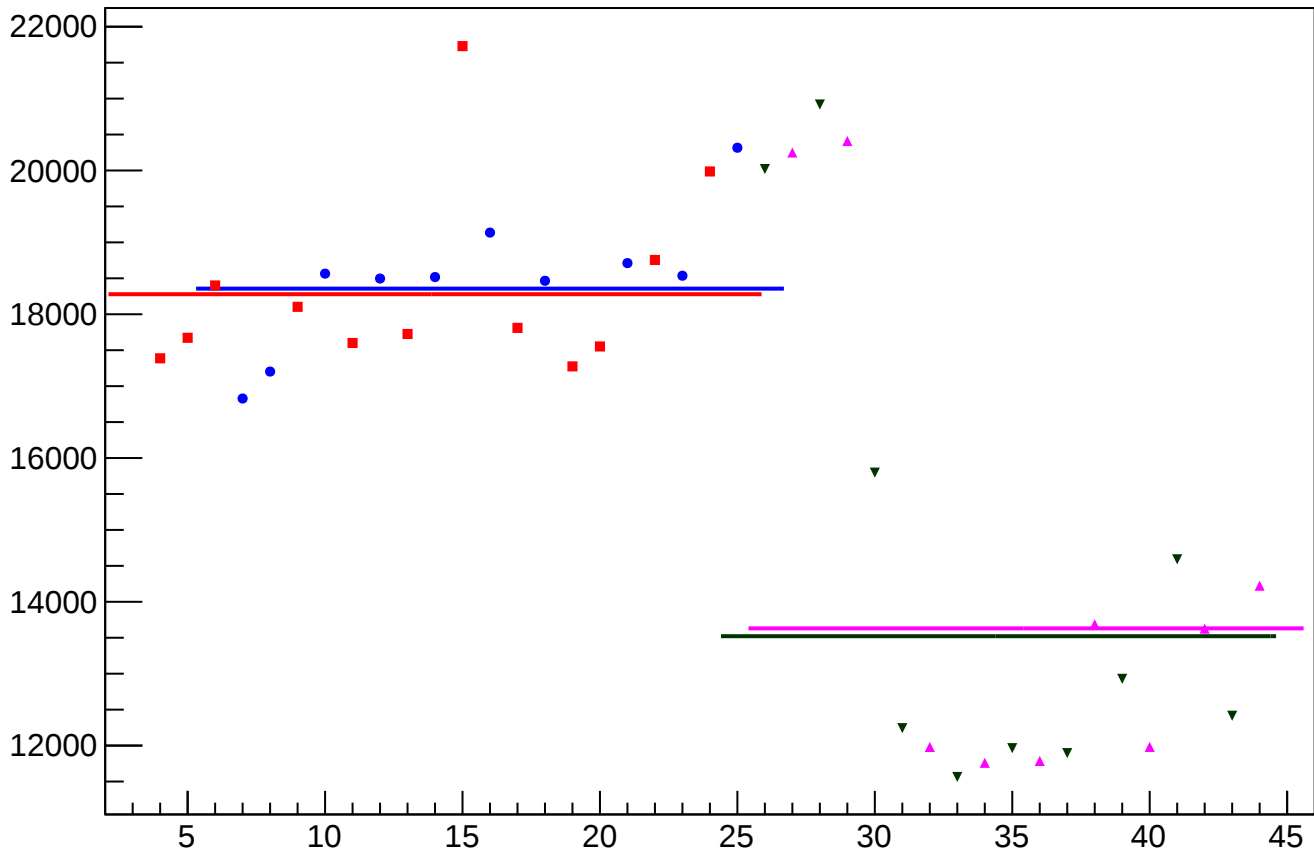
Right Out: -18.361 $\pm$ 7.243 χ^2 /NDF: 20.8/11

Left In: 16.860 $\pm$ 5.867 χ^2 /NDF:11.0/8

1.351 $\pm$ 4.601 χ^2 /NDF: 132.8/19

2.905 $\pm$ 4.559 χ^2 /NDF: 46.1/20

diff_bpm0l07X_rms vs slug



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

Left Out: 13521.564+/-4.220 χ^2/NDF : 402050.4/9

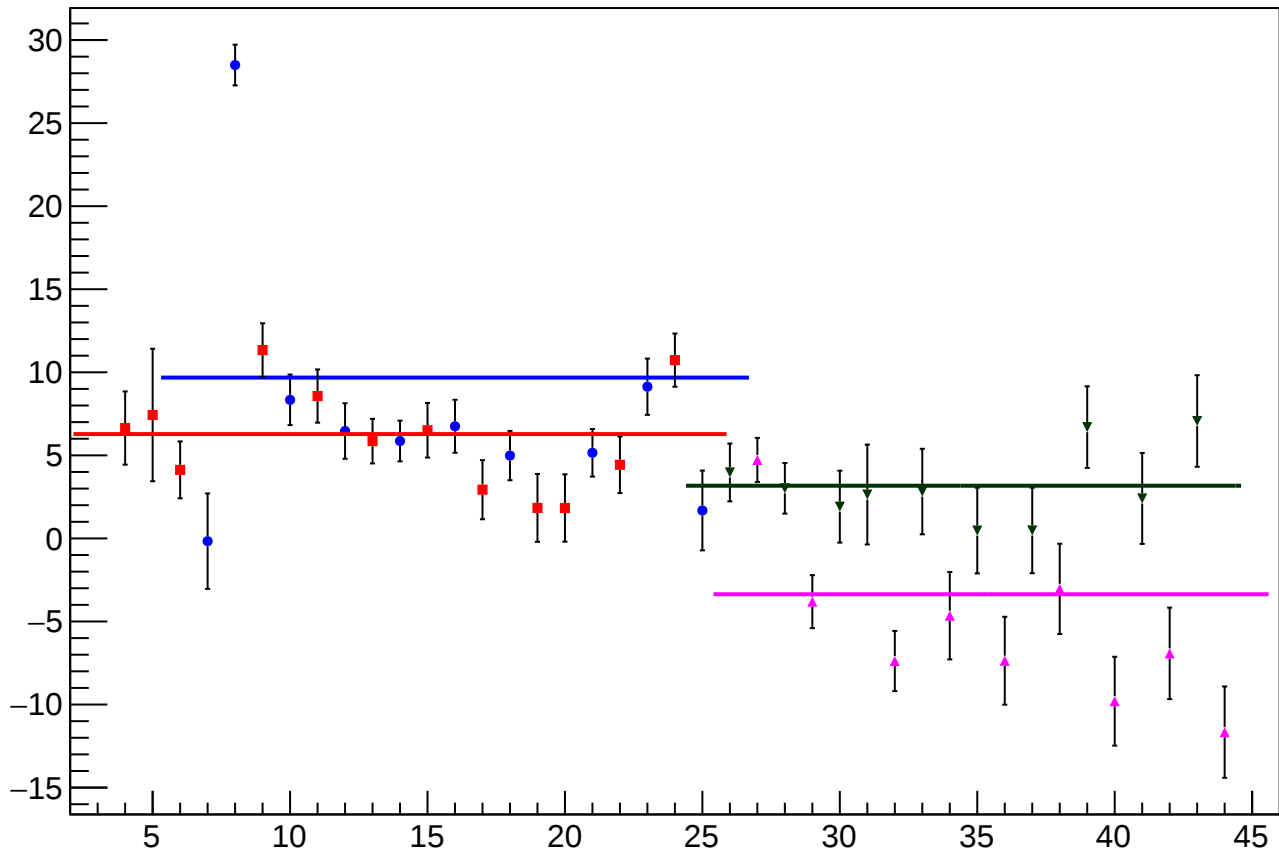
15482.805+/-3.253 χ^2/NDF : 955269.4/19

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

15472.092+/-3.224 χ^2/NDF : 1020563.3/20

Left In: 13630.347+/-4.149 χ^2/NDF : 473215.4/8

diff_bpm0l07Y_mean vs slug



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

Left Out: 3.172 ± 0.713 χ^2/NDF : 6.9/9

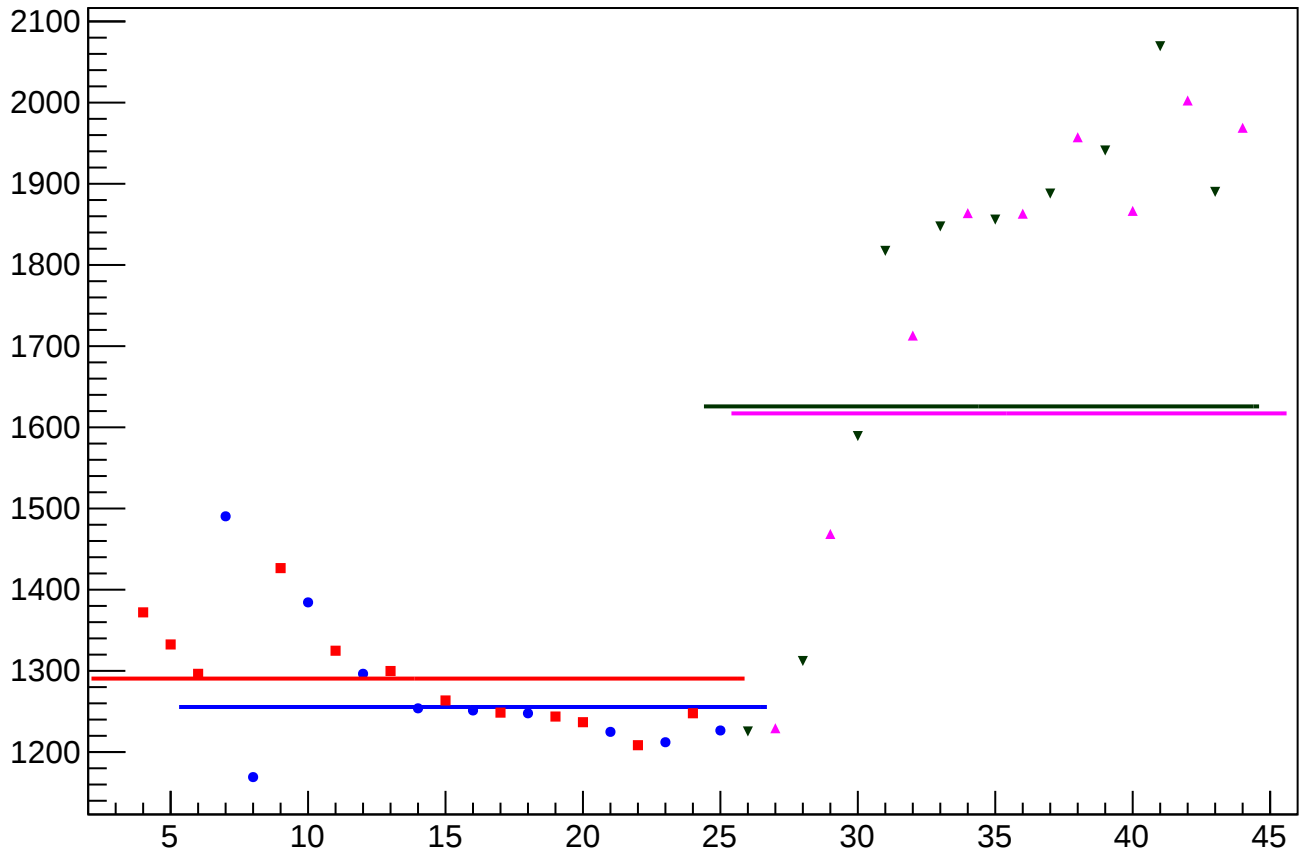
Right Out: 6.280 ± 0.510 χ^2/NDF : 35.7/11

Left In: -3.360 ± 0.691 χ^2/NDF : 61.2/8

7.570 ± 0.406 χ^2/NDF : 359.5/19

2.882 ± 0.410 χ^2/NDF : 222.8/20

diff_bpm0l07Y_rms vs slug



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

Left Out: 1625.778+/-0.504 χ^2/NDF : 354649.3/9

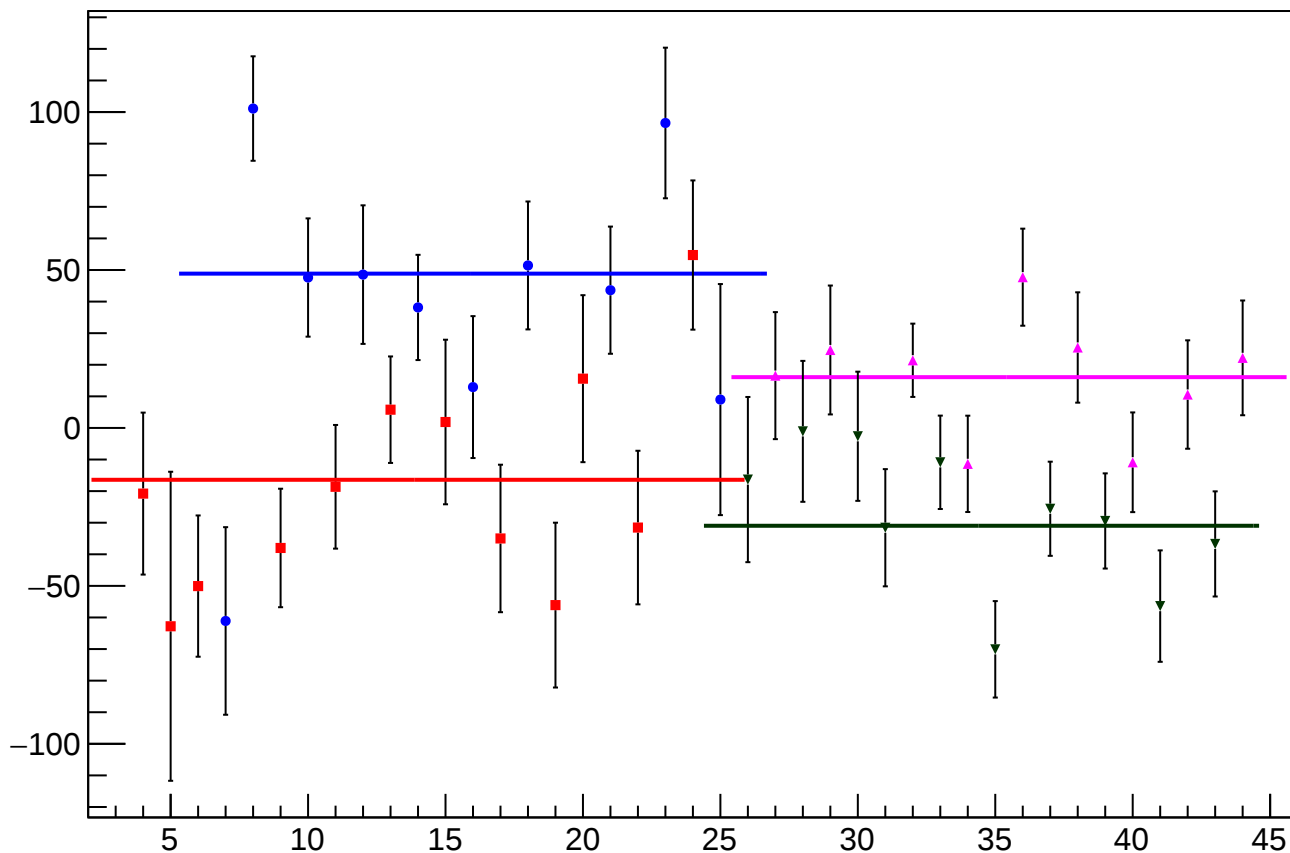
Right Out: 1290.505+/-0.361 χ^2/NDF : 28459.4/11

Left In: 1617.160+/-0.489 χ^2/NDF : 349190.4/8

1375.588+/-0.287 χ^2/NDF : 760714.4/19

1405.665+/-0.290 χ^2/NDF : 666807.2/20

diff_bpm0l08X_mean vs slug



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

Left Out: -30.968 ± 5.475 $\chi^2/\text{NDF}: 14.8/9$

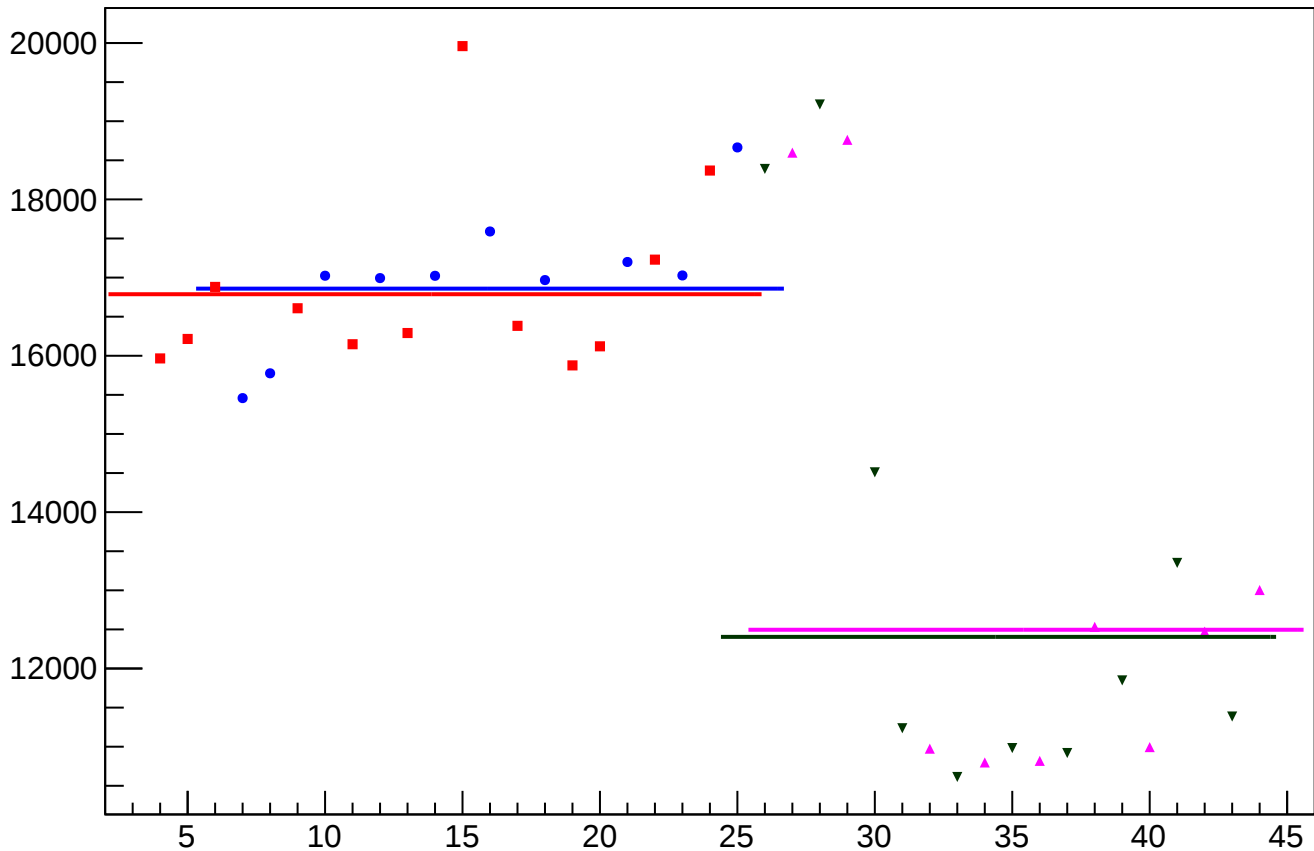
Right Out: -16.413 ± 6.651 $\chi^2/\text{NDF}: 20.6/11$

Left In: 16.079 ± 5.379 $\chi^2/\text{NDF}: 11.3/8$

1.368 ± 4.222 $\chi^2/\text{NDF}: 132.8/19$

3.232 ± 4.182 $\chi^2/\text{NDF}: 46.4/20$

diff_bpm0l08X_rms vs slug



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

Left Out: 12404.651+/-3.871 χ^2/NDF : 402870.2/9

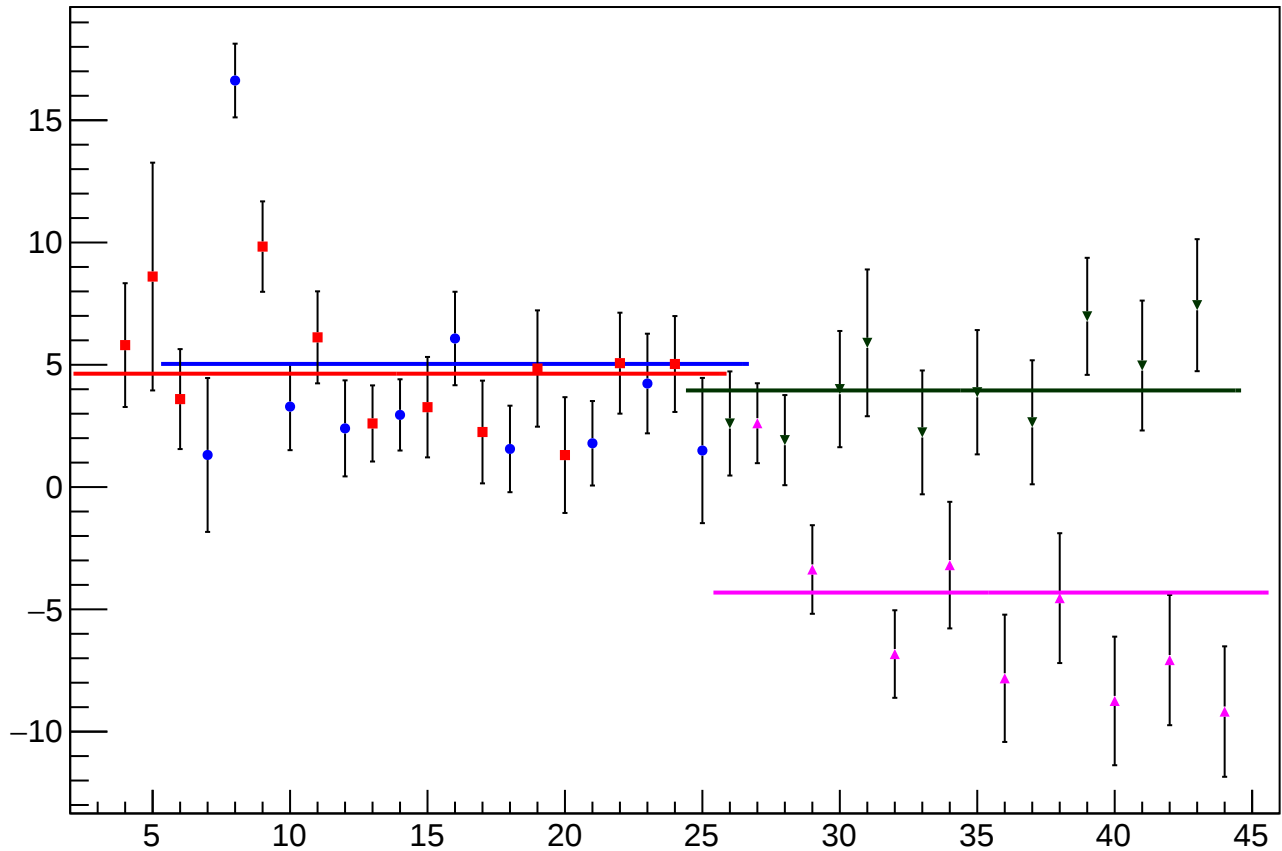
Right Out: 16787.169+/-4.703 χ^2/NDF : 50027.0/11

Left In: 12495.729+/-3.803 χ^2/NDF : 475508.8/8

14209.027+/-2.986 χ^2/NDF : 960334.0/19

14192.532+/-2.957 χ^2/NDF : 1028893.6/20

diff_bpm0l08Y_mean vs slug



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

Left Out: 3.951 ± 0.762 χ^2/NDF : 6.2/9

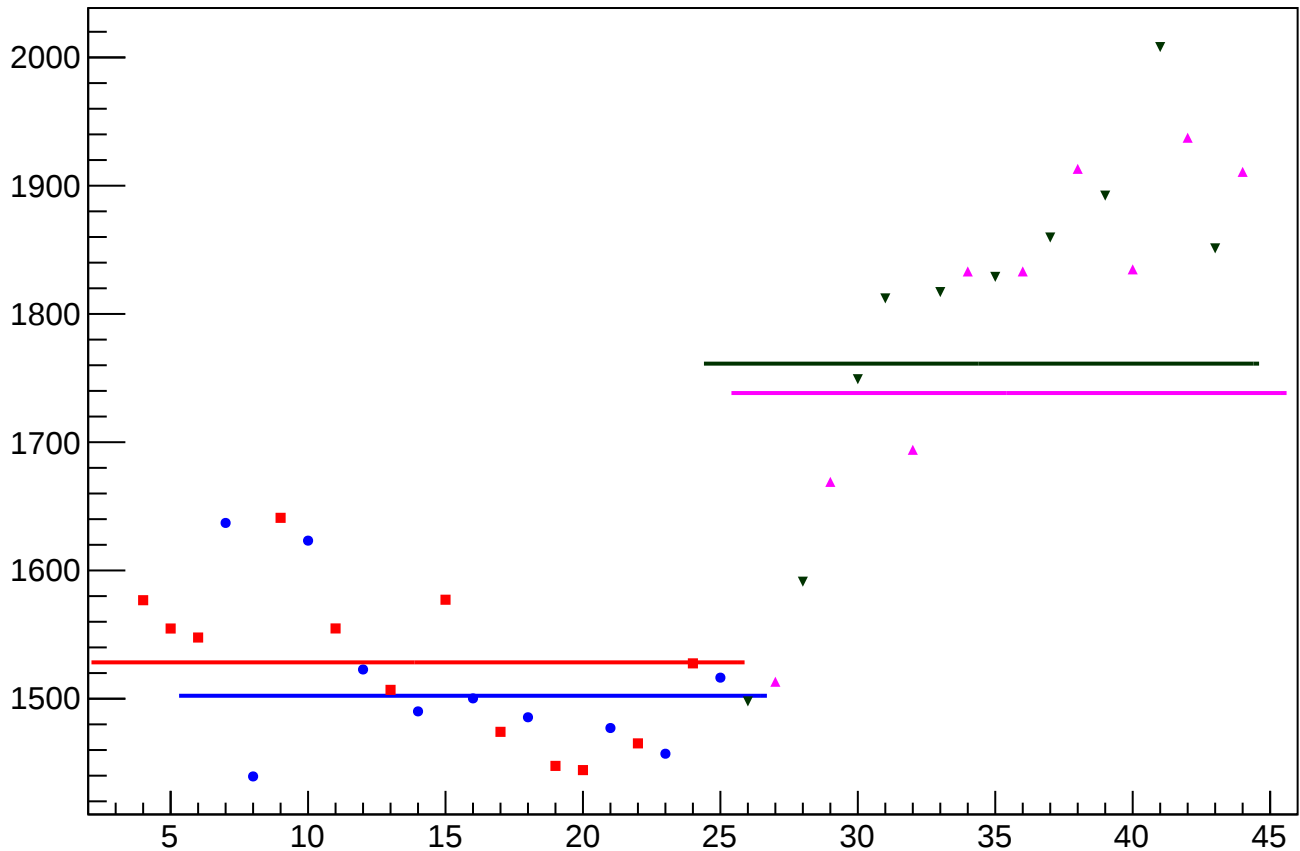
Right Out: 4.636 ± 0.604 χ^2/NDF : 15.2/11

Left In: -4.314 ± 0.734 χ^2/NDF : 29.5/8

4.629 ± 0.467 χ^2/NDF : 82.1/19

1.024 ± 0.466 χ^2/NDF : 133.4/20

diff_bpm0l08Y_rms vs slug



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

Left Out: 1761.262+/-0.539 χ^2/NDF : 79141.5/9

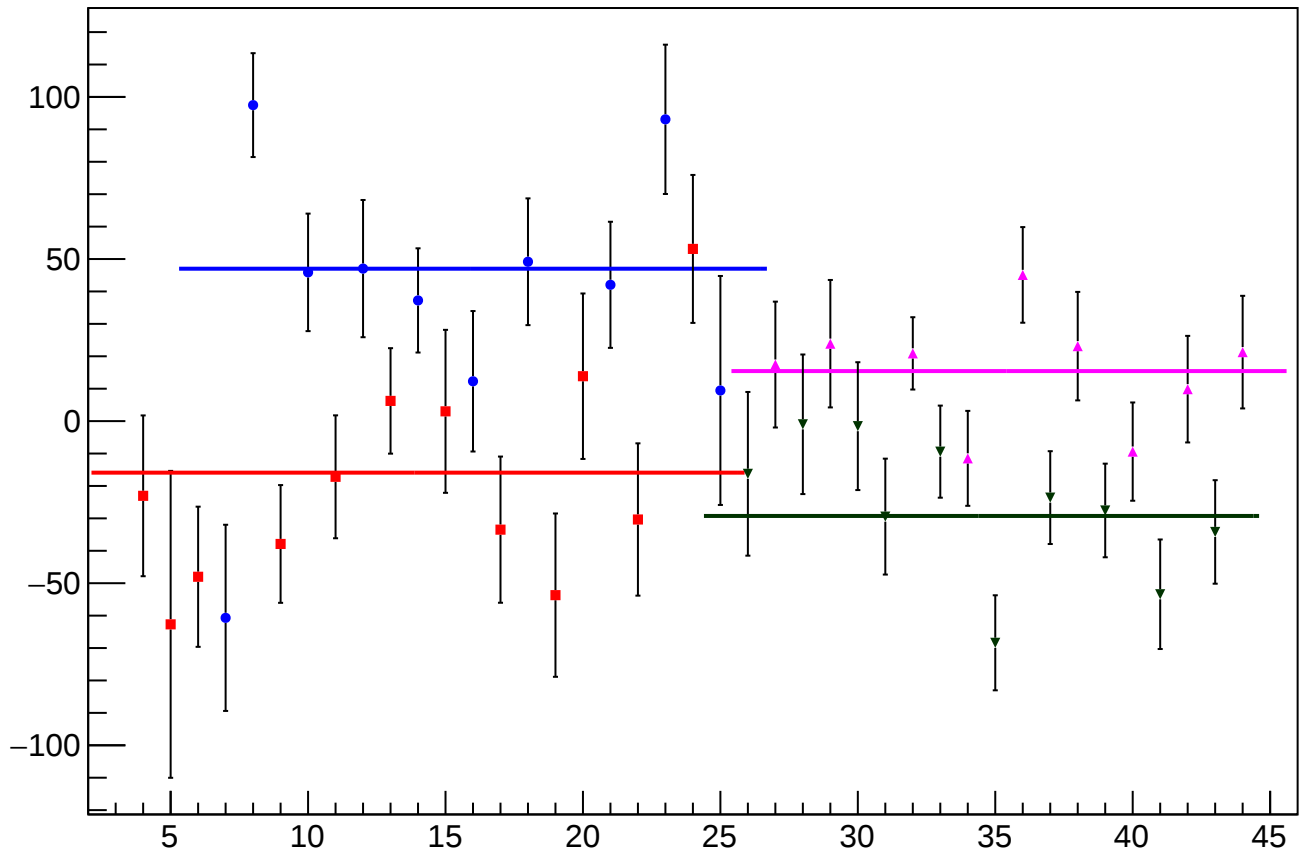
Right Out: 1528.347+/-0.427 χ^2/NDF : 18336.6/11

Left In: 1738.335+/-0.519 χ^2/NDF : 78331.9/8

1599.450+/-0.330 χ^2/NDF : 241933.3/19

1613.100+/-0.330 χ^2/NDF : 194307.4/20

diff_bpm0l09X_mean vs slug



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

Left Out: -29.254 ± 5.260 $\chi^2/\text{NDF}: 15.3/9$

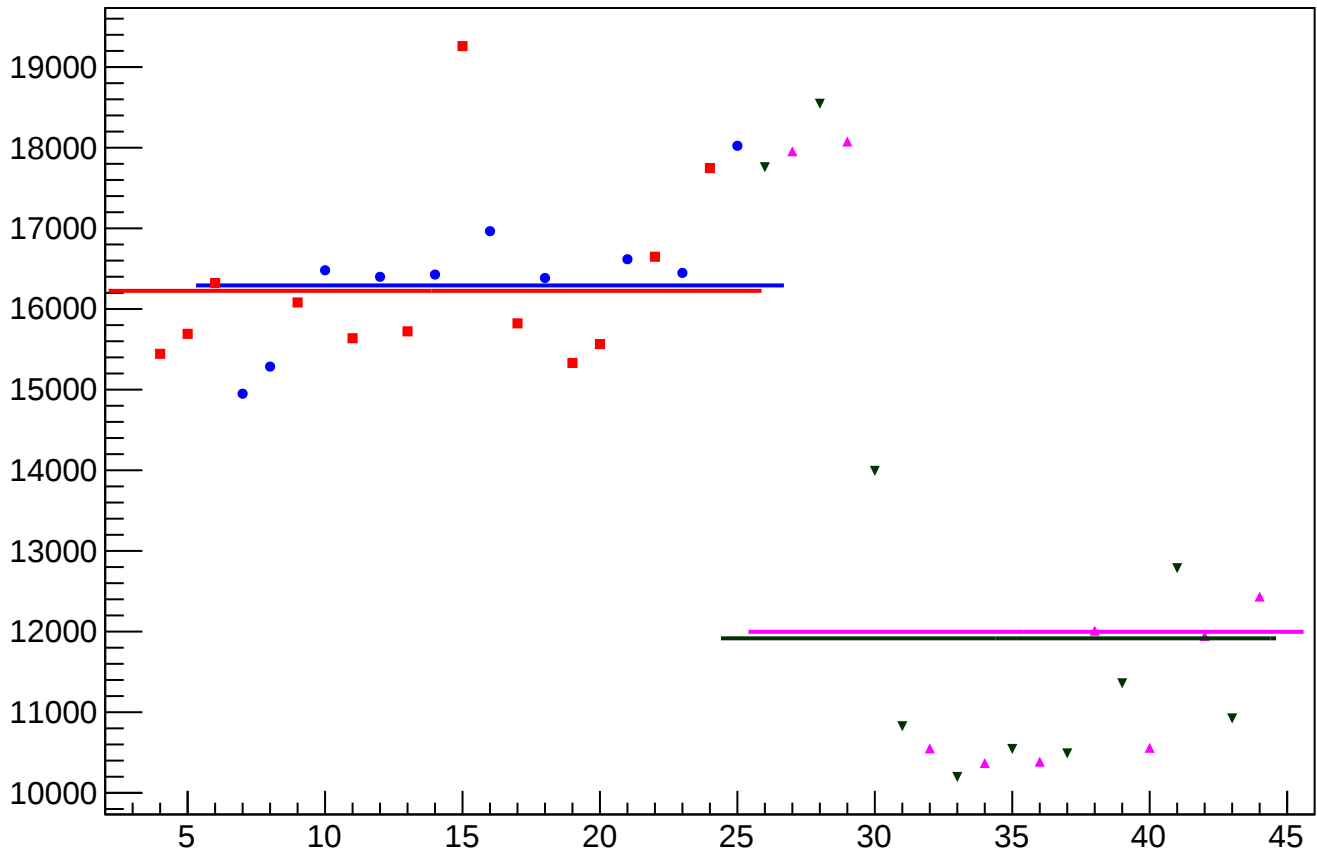
Right Out: -15.898 ± 6.429 $\chi^2/\text{NDF}: 20.9/11$

Left In: 15.435 ± 5.166 $\chi^2/\text{NDF}: 11.0/8$

1.435 ± 4.067 $\chi^2/\text{NDF}: 132.1/19$

3.142 ± 4.027 $\chi^2/\text{NDF}: 46.3/20$

diff_bpm0l09X_rms vs slug



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

Left Out: 11916.247+/-3.720 χ^2/NDF : 408966.2/9

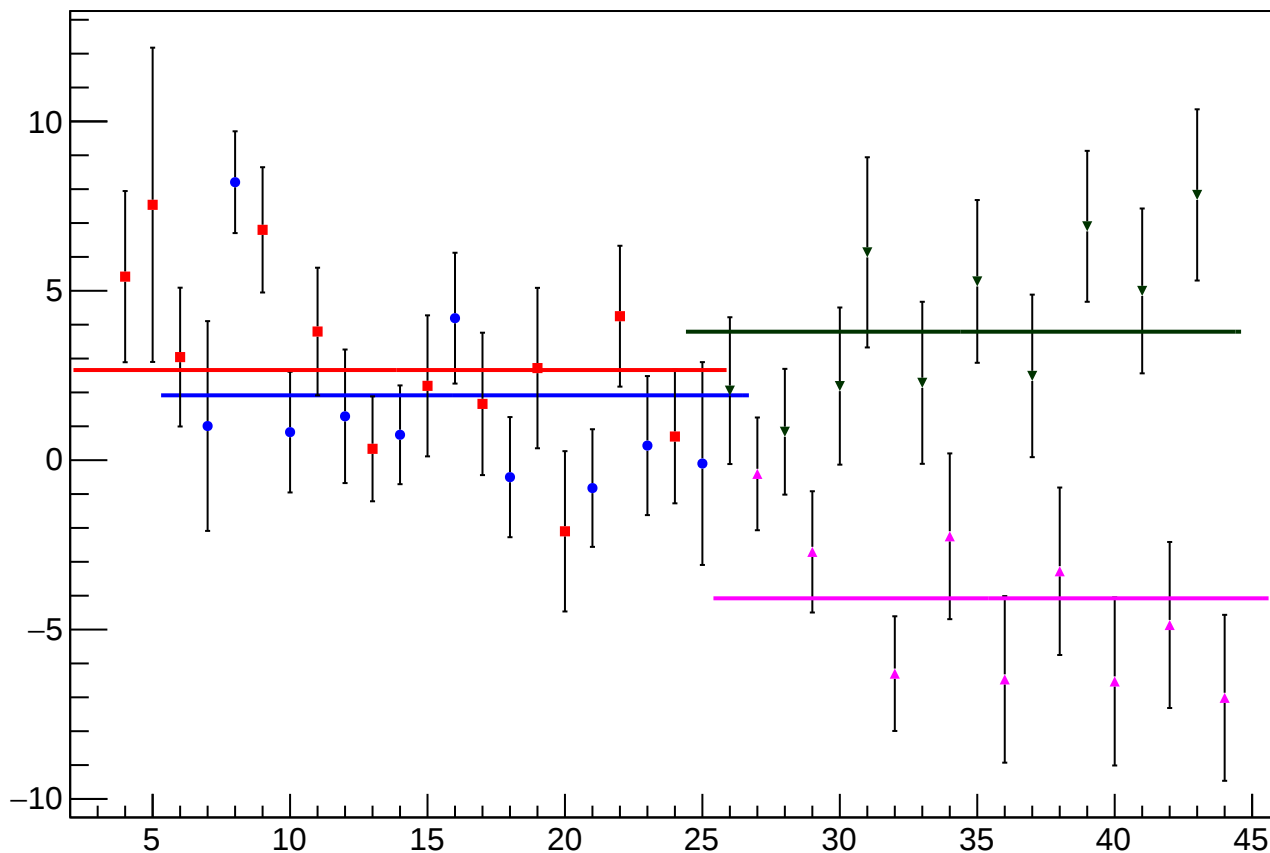
Right Out: 16225.365+/-4.546 χ^2/NDF : 49424.2/11

Left In: 11997.213+/-3.653 χ^2/NDF : 481131.3/8

13677.055+/-2.876 χ^2/NDF : 985954.5/19

13656.061+/-2.847 χ^2/NDF : 1056277.9/20

diff_bpm0l09Y_mean vs slug



Right In: 1.914 $\pm$ 0.592 χ^2/NDF : 25.4/9

Left Out: 3.793 $\pm$ 0.732 χ^2/NDF : 10.2/9

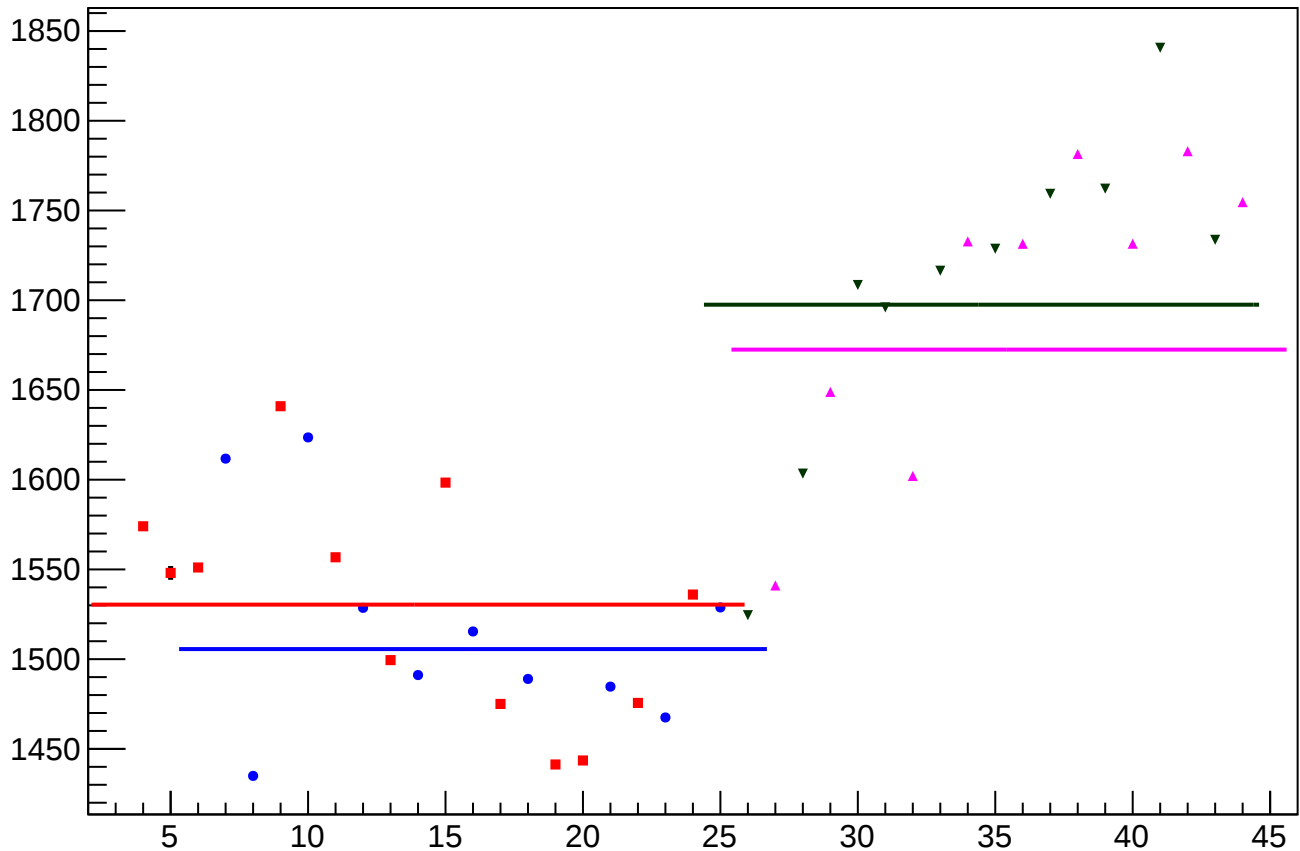
Right Out: 2.661 $\pm$ 0.605 χ^2/NDF : 15.9/11

Left In: -4.078 $\pm$ 0.705 χ^2/NDF : 11.3/8

2.656 $\pm$ 0.460 χ^2/NDF : 39.6/19

-0.197 $\pm$ 0.459 χ^2/NDF : 79.8/20

diff_bpm0l09Y_rms vs slug



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

Left Out: 1697.515+/-0.518 χ^2/NDF : 28748.0/9

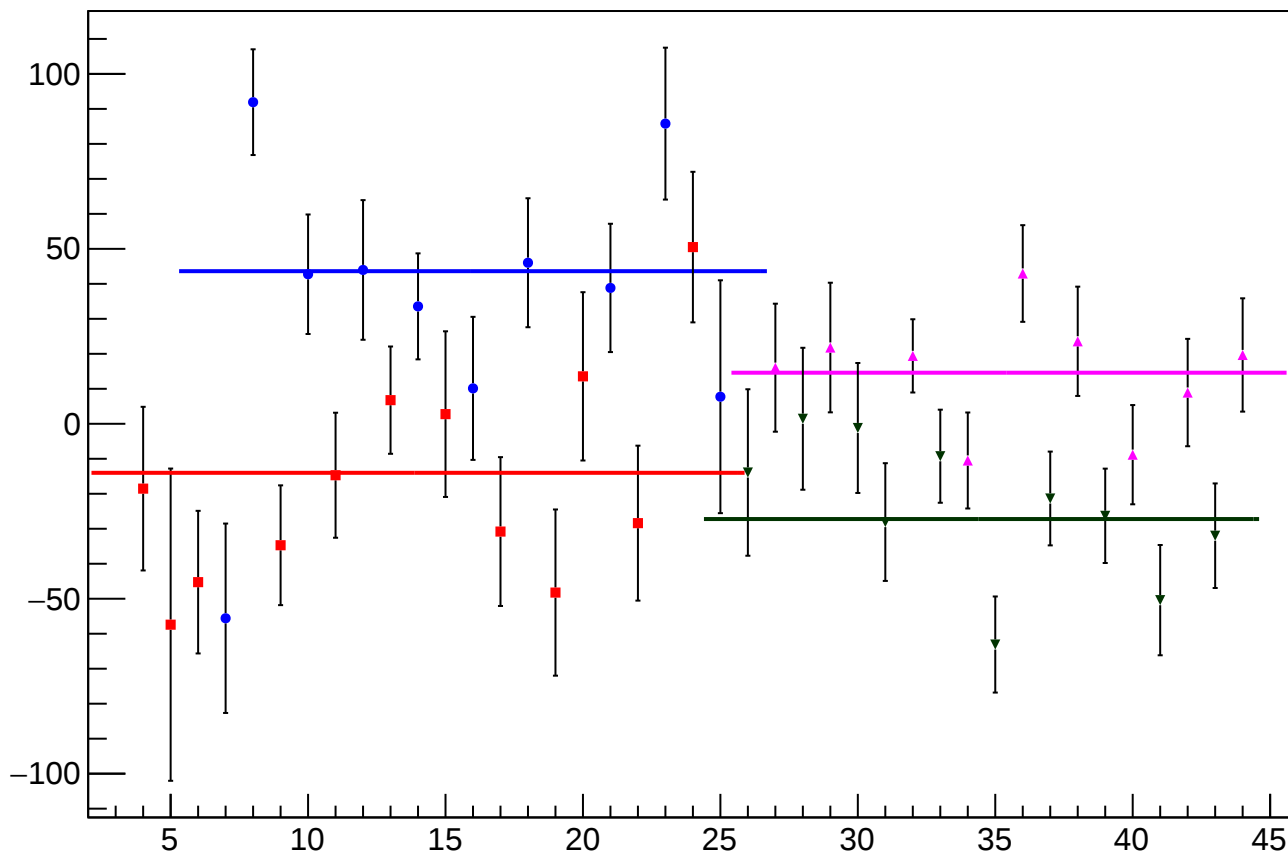
Right Out: 1530.389+/-0.428 χ^2/NDF : 19618.0/11

Left In: 1672.485+/-0.498 χ^2/NDF : 29989.7/8

1581.393+/-0.325 χ^2/NDF : 129199.0/19

1590.654+/-0.324 χ^2/NDF : 96451.5/20

diff_bpm0l10X_mean vs slug



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

Left Out: -27.224 ± 4.929 $\chi^2/\text{NDF}: 15.4/9$

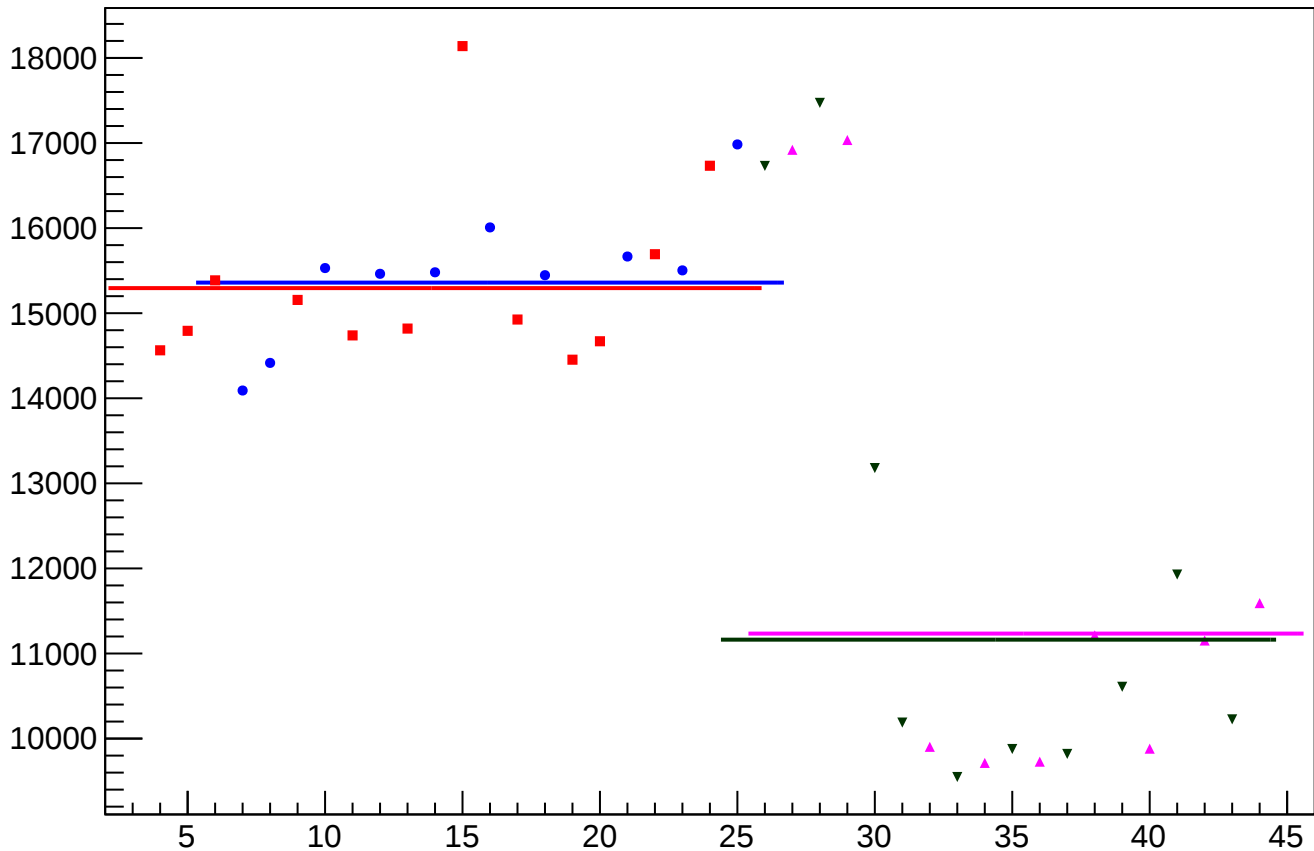
Right Out: -14.010 ± 6.060 $\chi^2/\text{NDF}: 20.6/11$

Left In: 14.599 ± 4.839 $\chi^2/\text{NDF}: 11.2/8$

1.077 ± 3.820 $\chi^2/\text{NDF}: 129.7/19$

3.460 ± 3.781 $\chi^2/\text{NDF}: 45.4/20$

diff_bpm0l10X_rms vs slug



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

Left Out: 11162.780 $\pm$ 3.486 χ^2 /NDF:416378.4/9

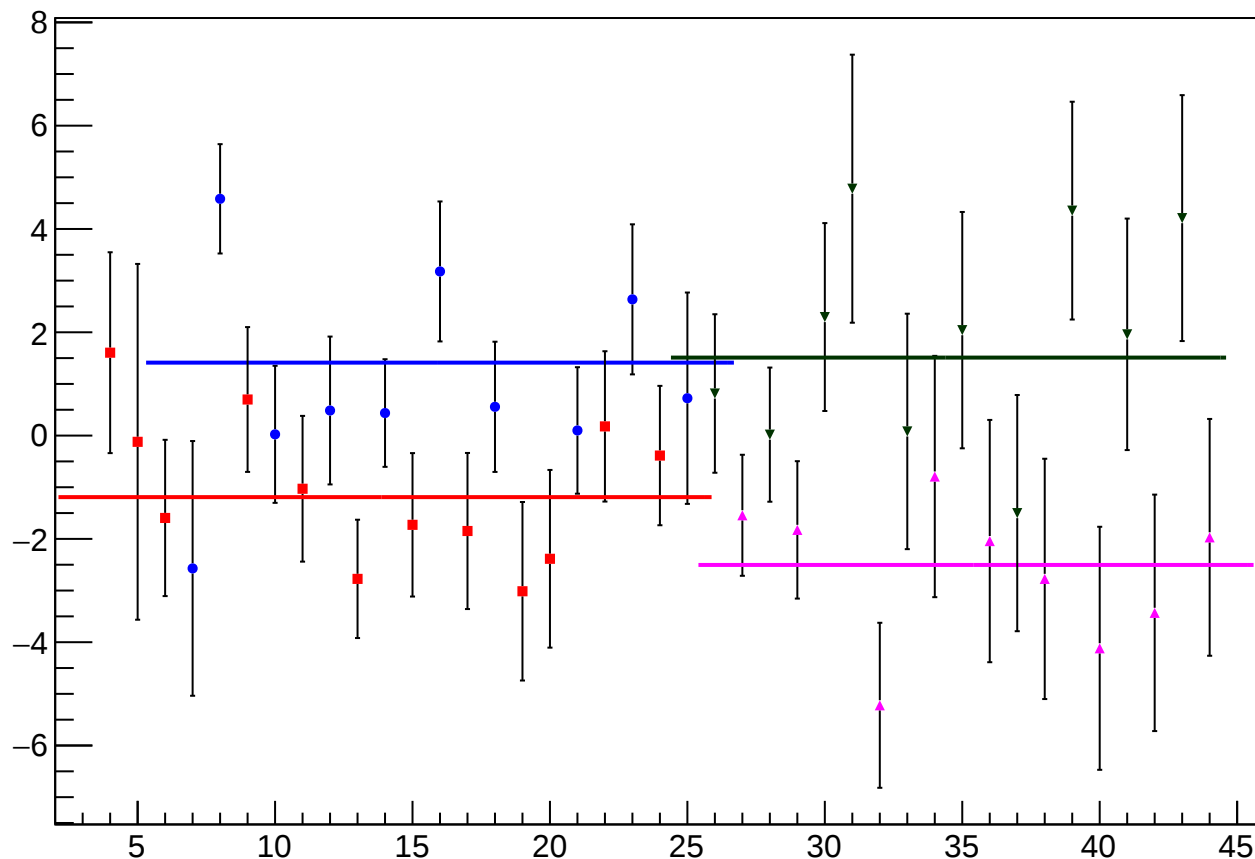
Right Out: 15294.772 $\pm$ 4.285 χ^2 /NDF: 49160.5/11

Left In: 11234.076 $\pm$ 3.421 χ^2 /NDF:489264.7/8

12839.347 $\pm$ 2.701 χ^2 /NDF: 1015548.1/19

12815.065 $\pm$ 2.674 χ^2 /NDF: 1086846.4/20

diff_bpm0l10Y_mean vs slug



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

Left Out: 1.510 ± 0.615 χ^2/NDF : 8.6/9

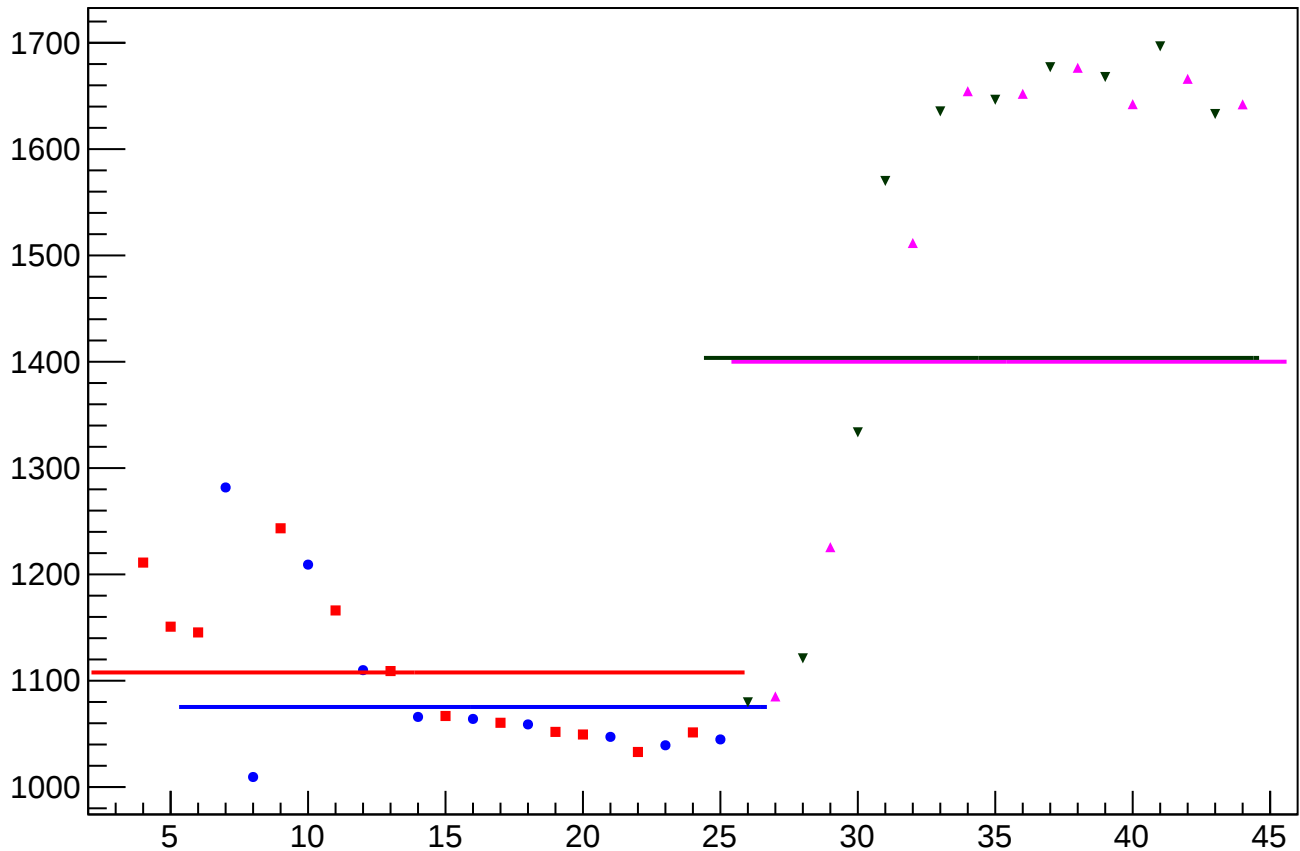
Right Out: -1.191 ± 0.438 χ^2/NDF : 9.1/11

Left In: -2.504 ± 0.598 χ^2/NDF : 5.1/8

1.444 ± 0.349 χ^2/NDF : 26.8/19

-1.650 ± 0.353 χ^2/NDF : 17.4/20

diff_bpm0l10Y_rms vs slug



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

Left Out: 1403.619+/-0.435 χ^2/NDF : 351032.7/9

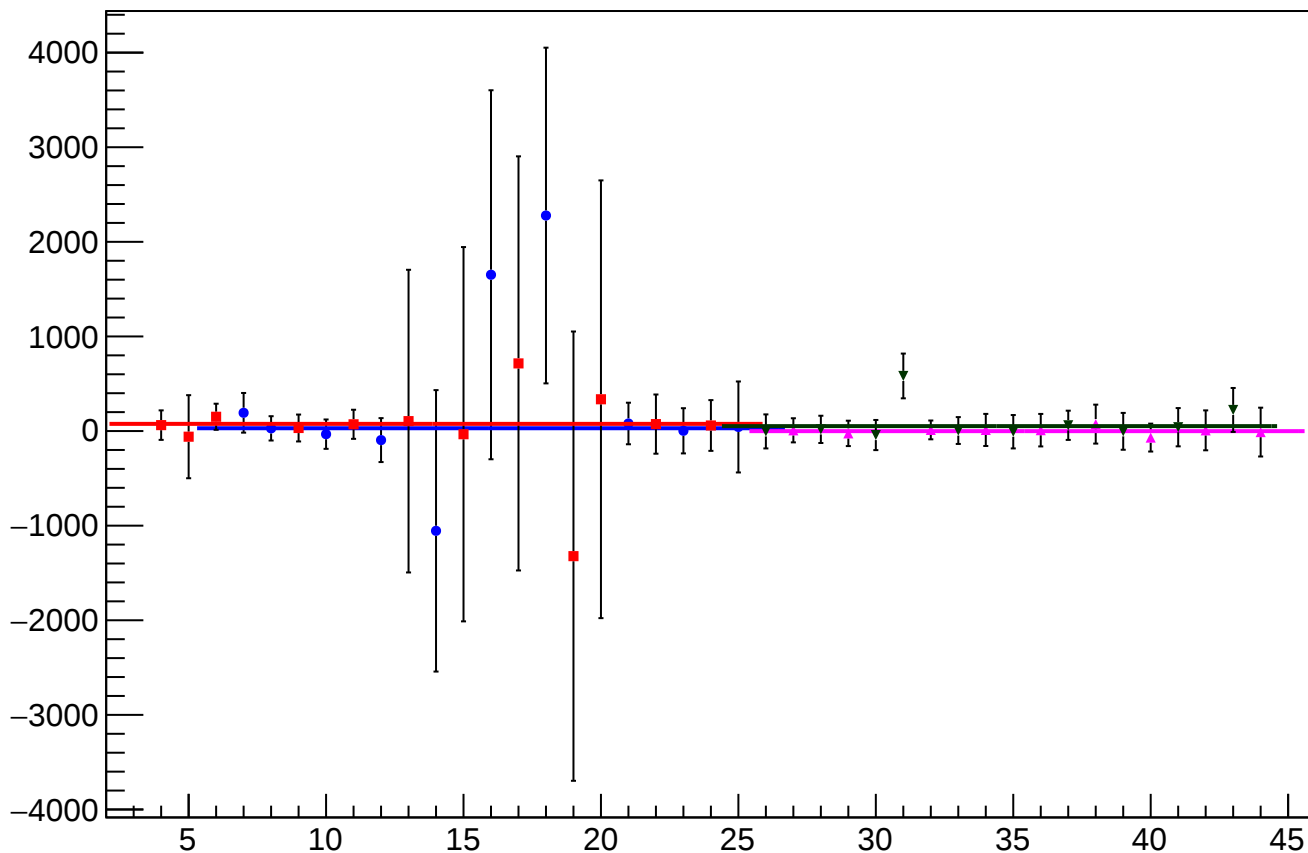
Right Out: 1107.774+/-0.310 χ^2/NDF : 46212.9/11

Left In: 1400.046+/-0.423 χ^2/NDF : 334198.8/8

1180.739+/-0.246 χ^2/NDF : 784649.0/19

1209.871+/-0.250 χ^2/NDF : 691393.4/20

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs slug



Right In: 29.643 $\pm$ 73.127 χ^2 /NDF: 4.0/9

Left Out: 51.986 $\pm$ 55.093 χ^2 /NDF:6.4/9

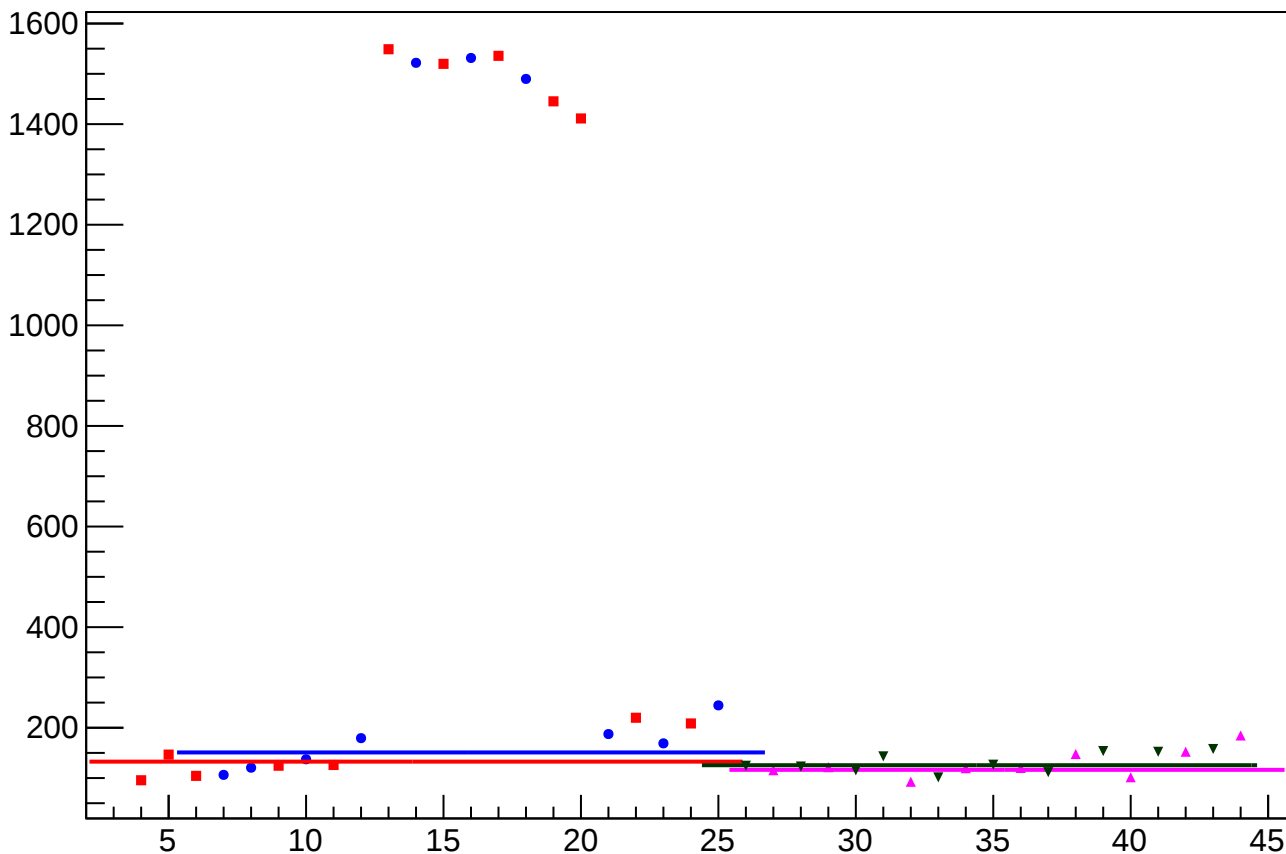
Right Out: 75.901 $\pm$ 68.054 χ^2 /NDF: 0.9/11

Left In: -1.037 $\pm$ 50.364 χ^2 /NDF:0.4/8

43.896 $\pm$ 44.002 χ^2 /NDF: 10.4/19

26.190 $\pm$ 40.484 χ^2 /NDF: 2.2/20

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: 125.526+/-0.039 χ^2/NDF : 209010.8/9

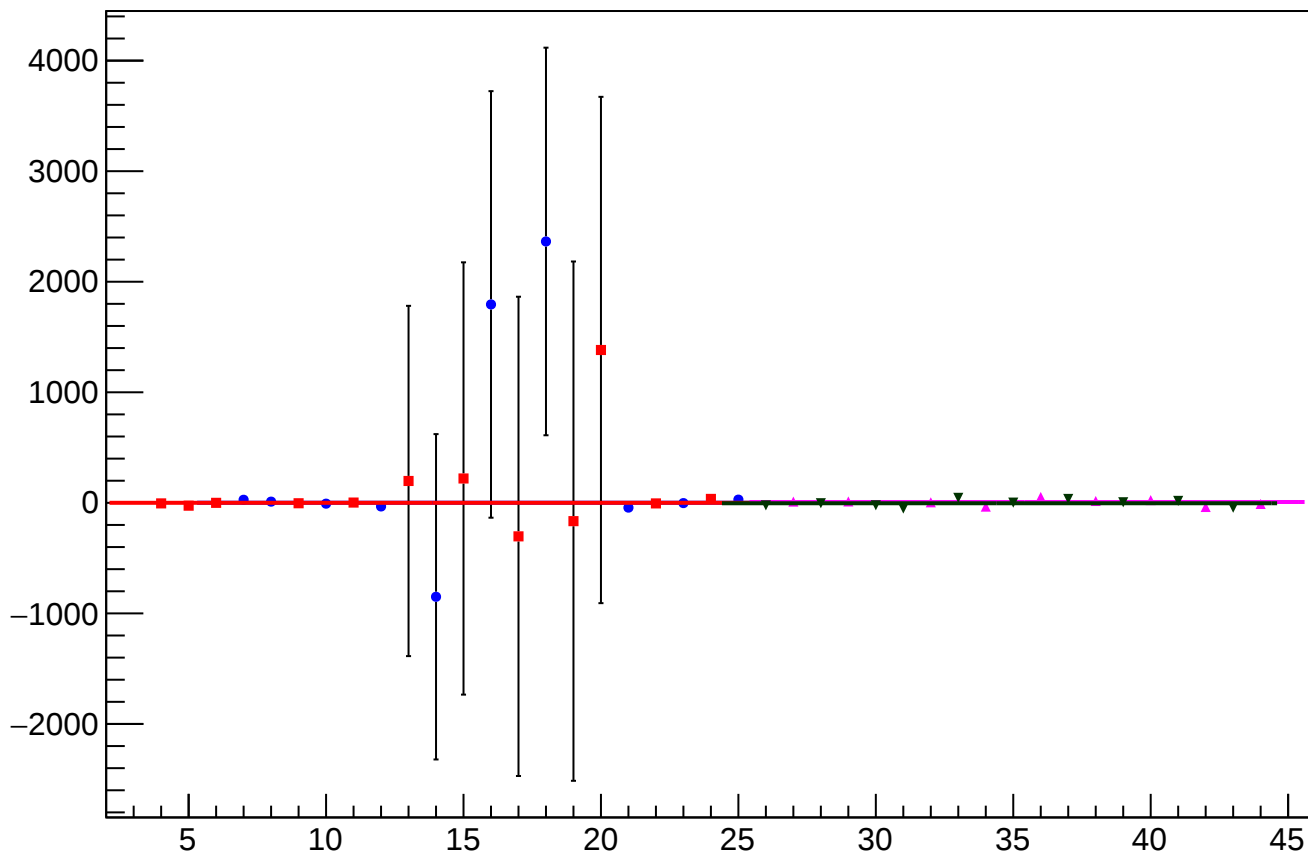
Right Out: 132.646+/-0.048 χ^2/NDF : 5120067.3/11

Left In: 116.311+/-0.036 χ^2/NDF : 383966.9/8

134.723+/-0.031 χ^2/NDF : 4592979.4/19

122.092+/-0.029 χ^2/NDF : 5578489.4/20

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: -3.746+/-7.432 χ^2/NDF :14.5/9

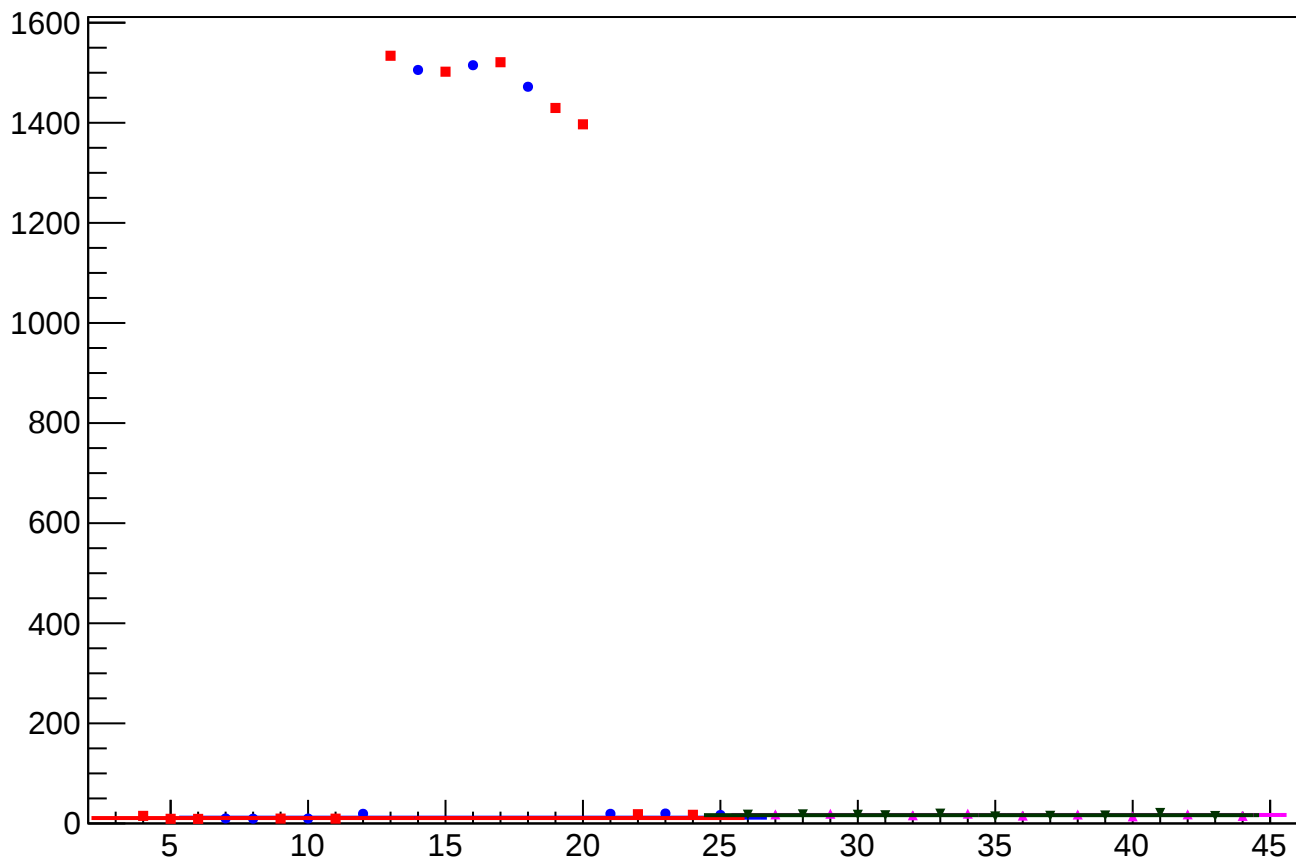
Right Out: 0.325+/-5.882 χ^2/NDF : 4.0/11

Left In: 7.617+/-7.442 χ^2/NDF :10.5/8

-0.973+/-4.760 χ^2/NDF : 26.6/19

3.129+/-4.615 χ^2/NDF : 15.1/20

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs slug



Right In: 11.555 $\pm$ 0.004 χ^2 /NDF: 5368102.9/9

Left Out: 16.582 $\pm$ 0.005 χ^2 /NDF: 133569.4/9

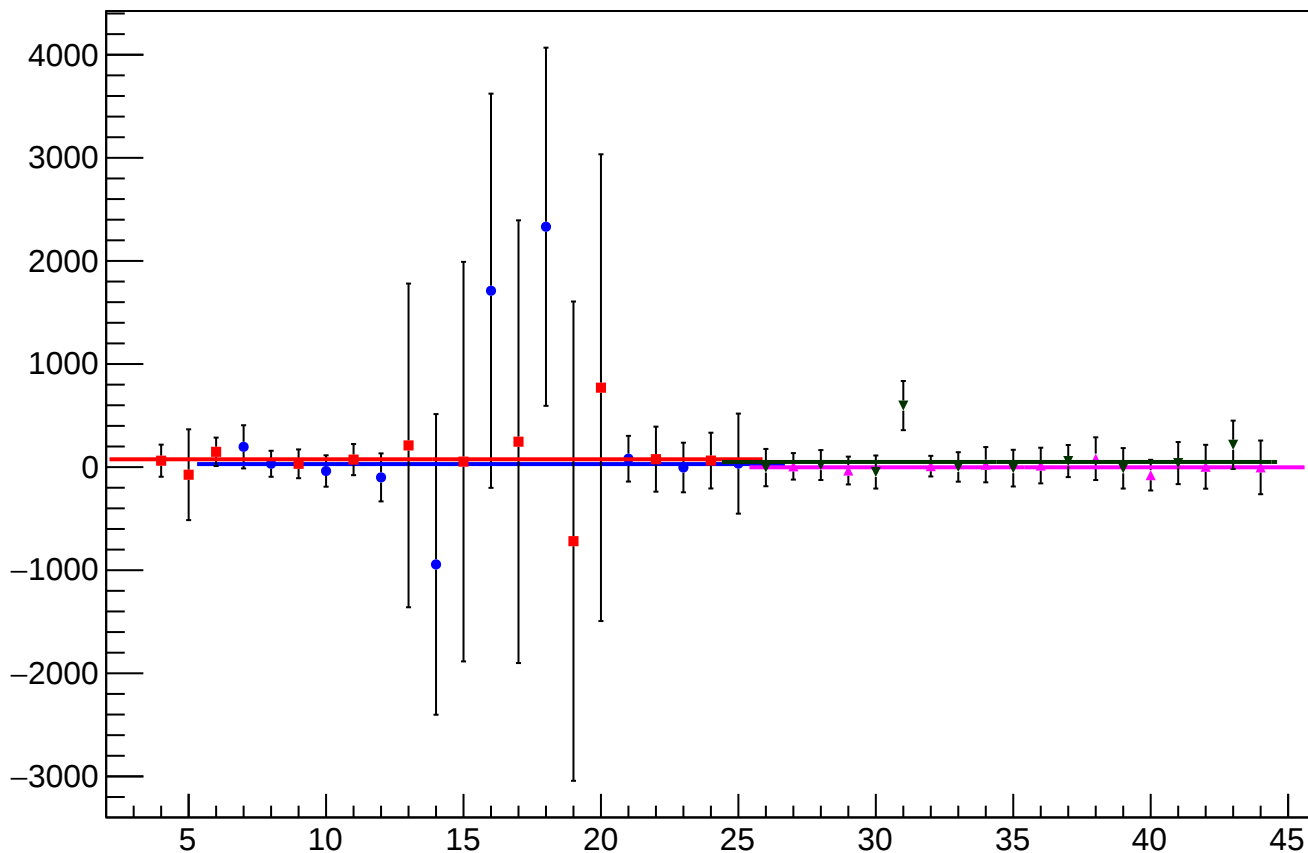
Right Out: 10.792 $\pm$ 0.004 χ^2 /NDF: 5922898.5/11

Left In: 16.955 $\pm$ 0.005 χ^2 /NDF: 111170.8/8

13.617 $\pm$ 0.003 χ^2 /NDF: 6041490.4/19

13.162 $\pm$ 0.003 χ^2 /NDF: 6878357.5/20

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: 50.113+/-55.521 χ^2/NDF : 6.6/9

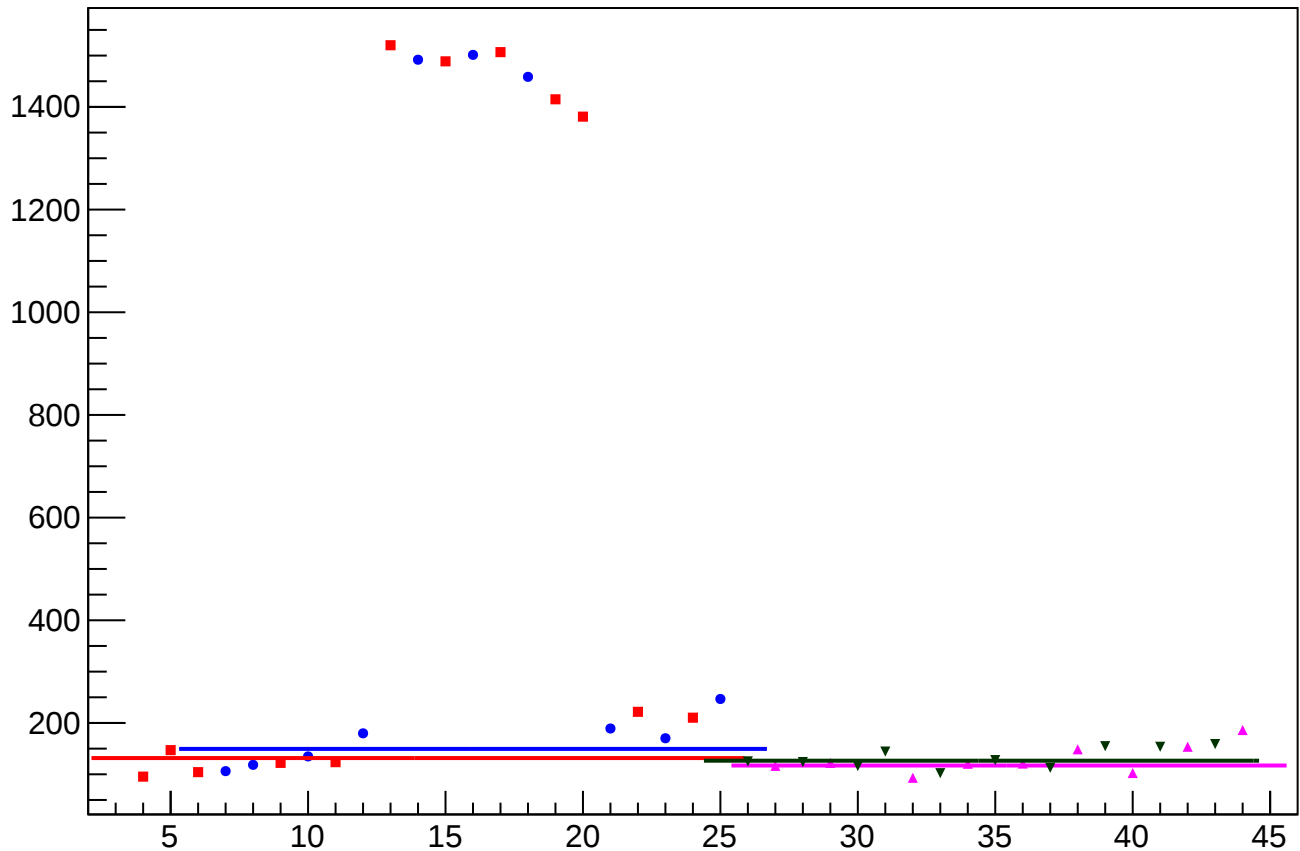
Right Out: 76.035+/-67.528 χ^2/NDF : 0.7/11

Left In: -1.728+/-50.729 χ^2/NDF : 0.5/8

42.489+/-44.083 χ^2/NDF : 10.8/19

26.325+/-40.559 χ^2/NDF : 2.1/20

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: 126.498 +/- 0.039 χ^2/NDF : 209198.2/9

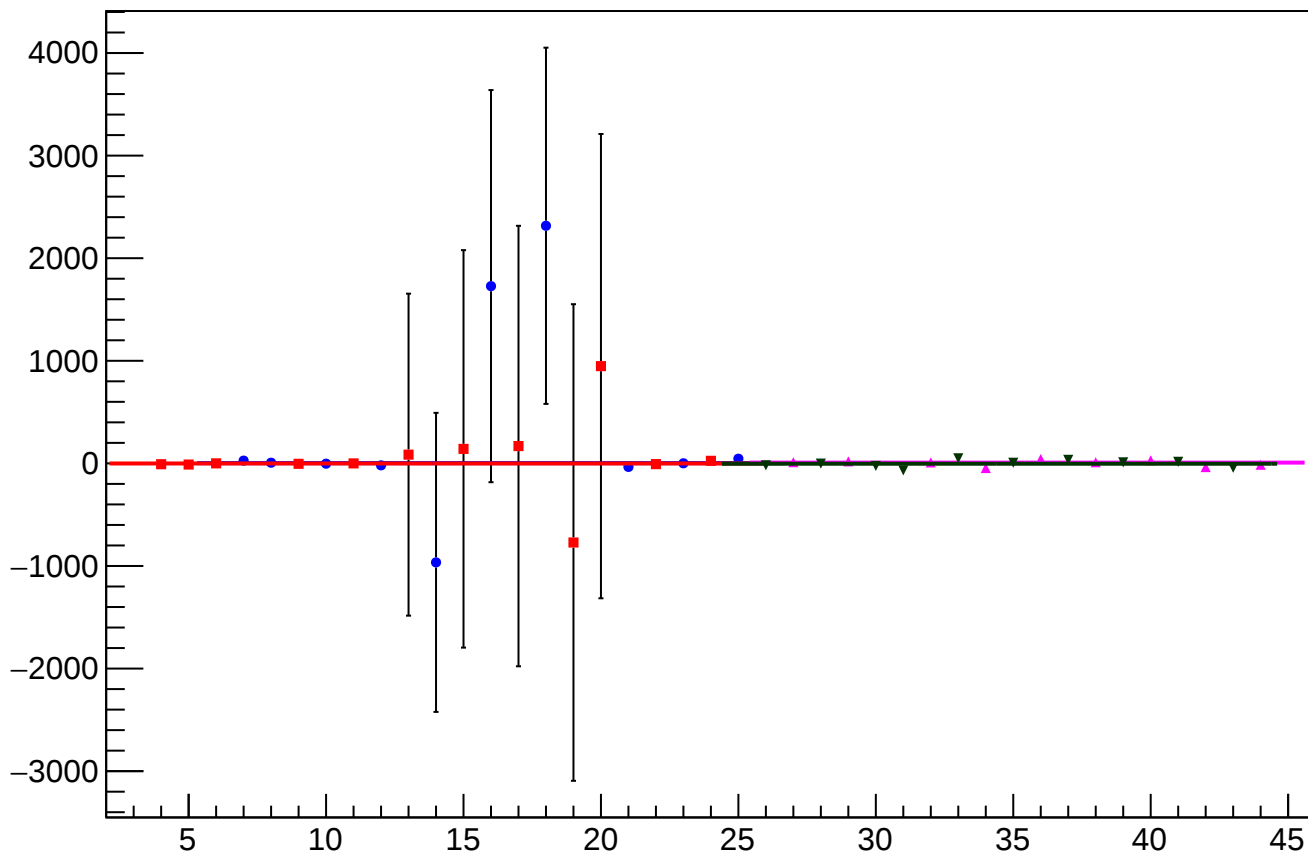
Right Out: 131.616 +/- 0.048 χ^2/NDF : 5120657.7/11

Left In: 117.142 +/- 0.036 χ^2/NDF : 384721.1/8

134.995 +/- 0.031 χ^2/NDF : 4585822.8/19

122.363 +/- 0.029 χ^2/NDF : 5564114.3/20

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: -3.293+/-7.243 χ^2/NDF : 18.2/9

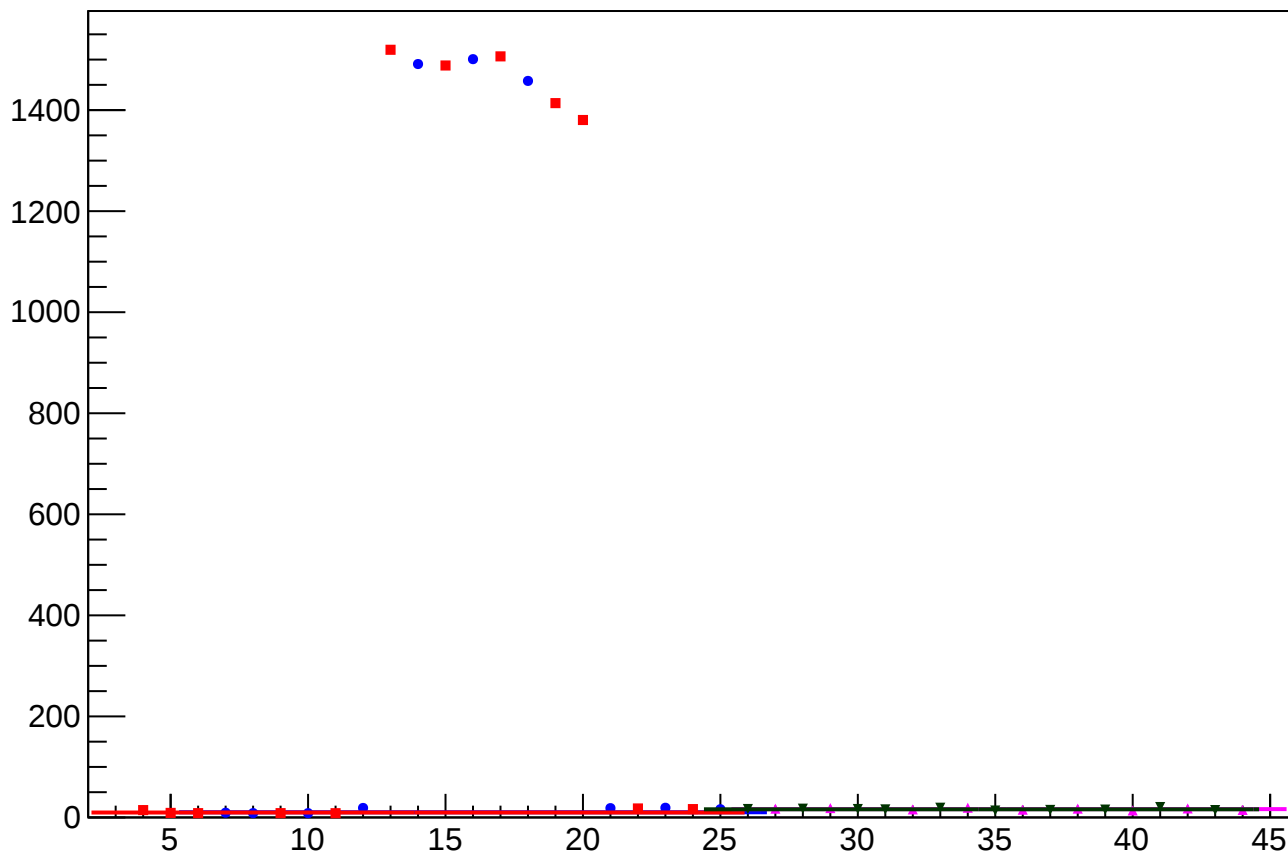
Right Out: -0.797+/-5.364 χ^2/NDF : 2.2/11

Left In: 7.660+/-7.257 χ^2/NDF : 11.3/8

0.403+/-4.429 χ^2/NDF : 28.7/19

2.191+/-4.313 χ^2/NDF : 14.4/20

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: 16.136+/-0.005 χ^2/NDF : 128057.2/9

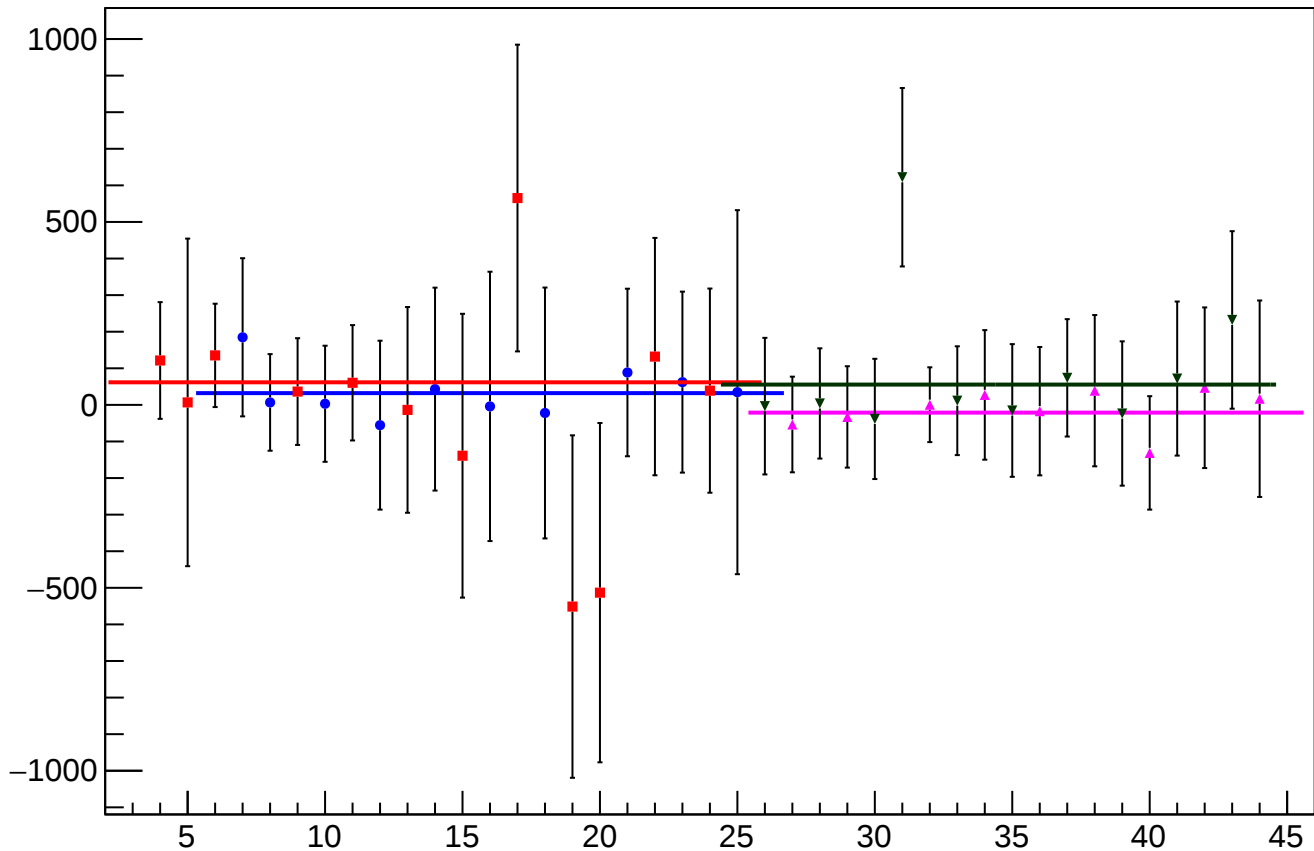
Right Out: 9.764+/-0.004 χ^2/NDF : 6008777.0/11

Left In: 16.504+/-0.005 χ^2/NDF : 102198.9/8

12.481+/-0.003 χ^2/NDF : 6457471.1/19

12.145+/-0.003 χ^2/NDF : 7226698.4/20

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: 55.504+/-57.134 χ^2/NDF : 6.9/9

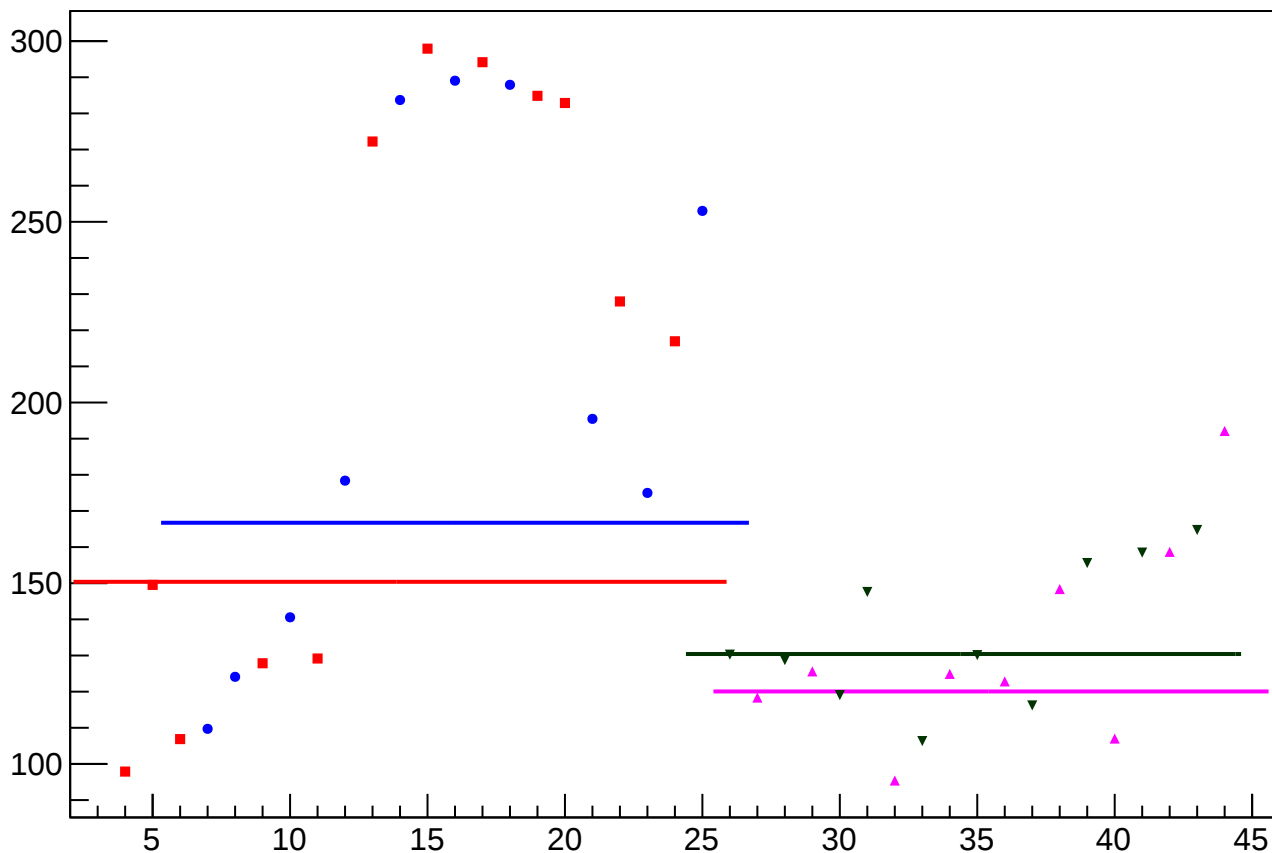
46.123+/-44.197 χ^2/NDF : 7.8/19

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

11.269+/-40.538 χ^2/NDF : 7.4/20

Left In: -21.169+/-51.965 χ^2/NDF : 0.9/8

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs slug



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

Left Out: 130.412 $\pm$ 0.040 χ^2 /NDF: 196128.5/9

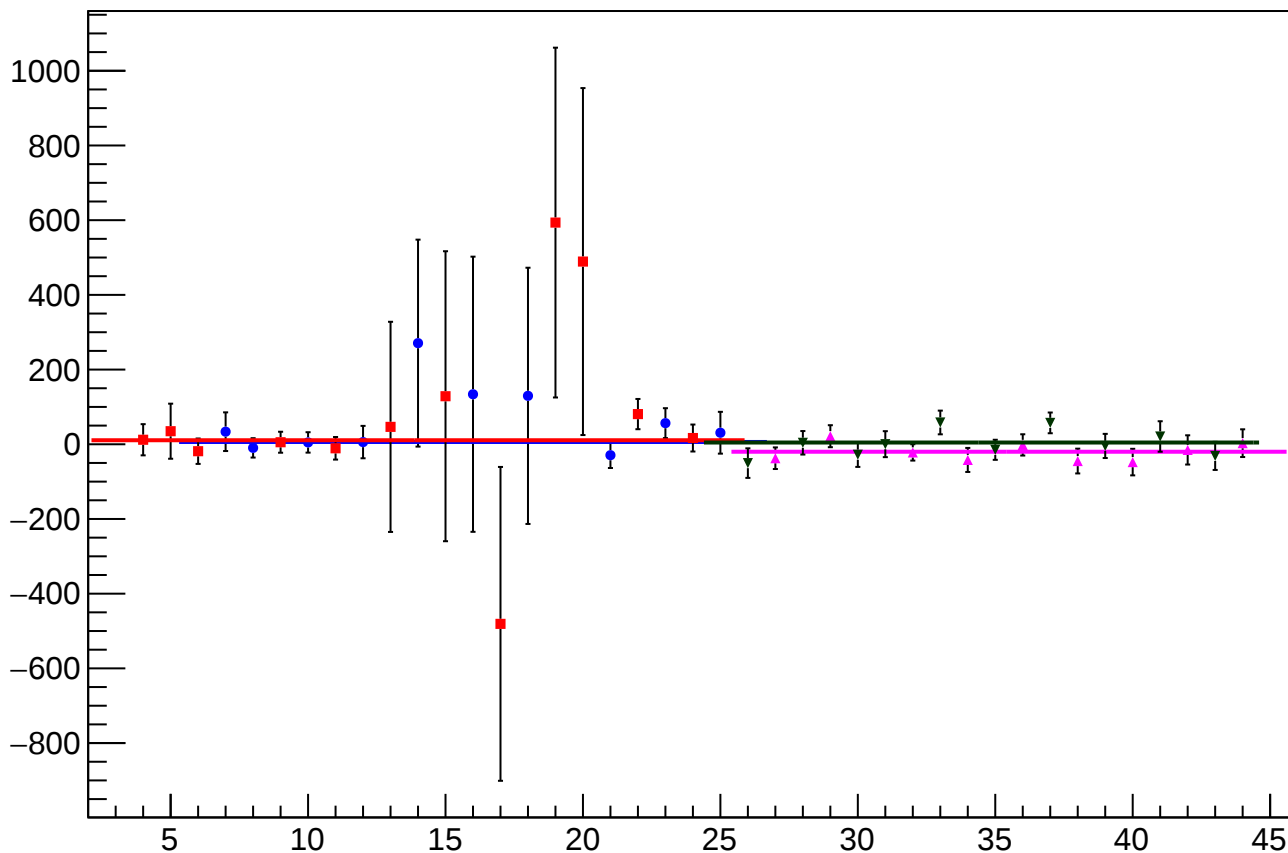
144.999 $\pm$ 0.031 χ^2 /NDF: 1848375.2/19

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

131.929 $\pm$ 0.029 χ^2 /NDF: 2593651.5/20

Left In: 120.053 $\pm$ 0.037 χ^2 /NDF: 379558.3/8

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: 4.706 $\pm$ 10.341 χ^2 /NDF:11.1/9

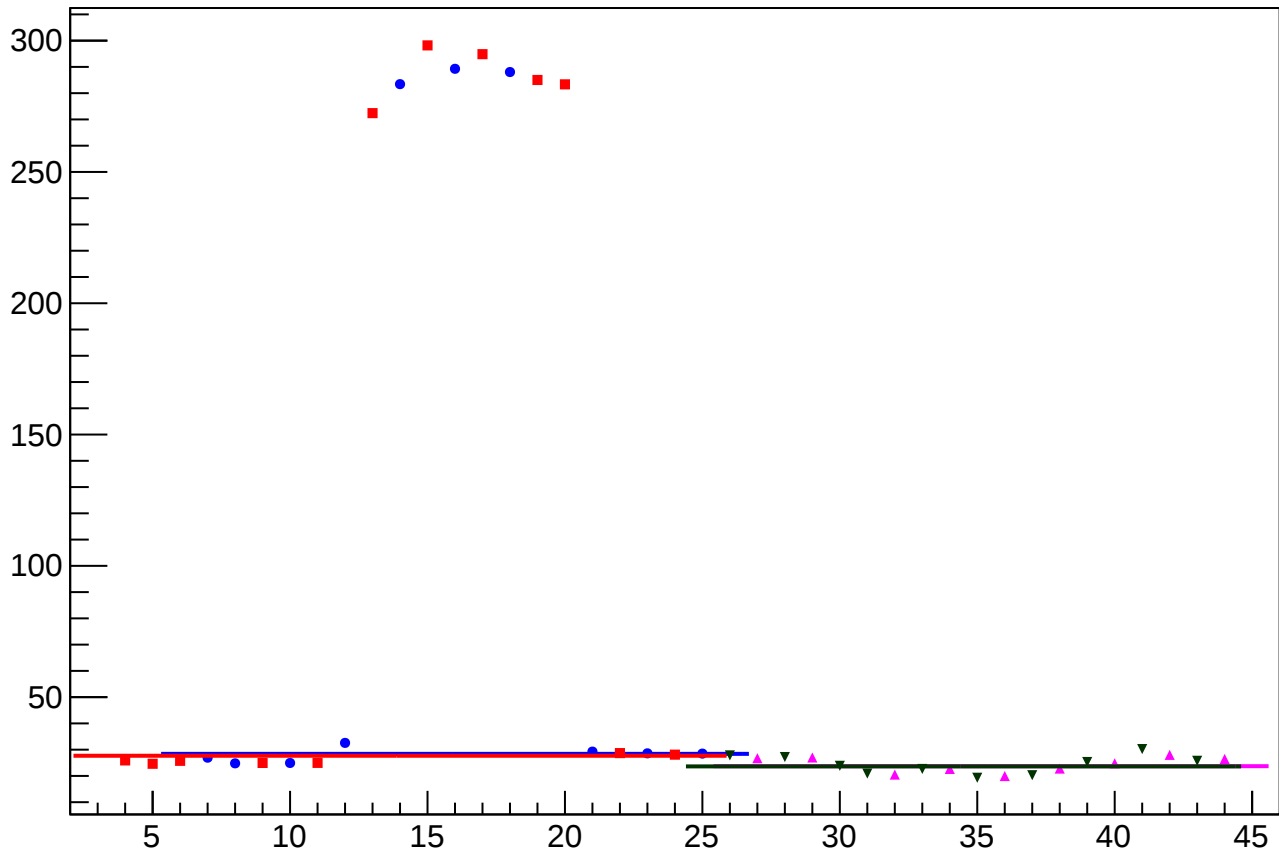
Right Out: 10.797 $\pm$ 13.610 χ^2 /NDF: 8.5/11

Left In: -19.983 $\pm$ 10.142 χ^2 /NDF:4.8/8

5.248 $\pm$ 8.192 χ^2 /NDF: 15.7/19

-8.993 $\pm$ 8.132 χ^2 /NDF: 16.6/20

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: 23.629+/-0.007 χ^2/NDF : 207433.9/9

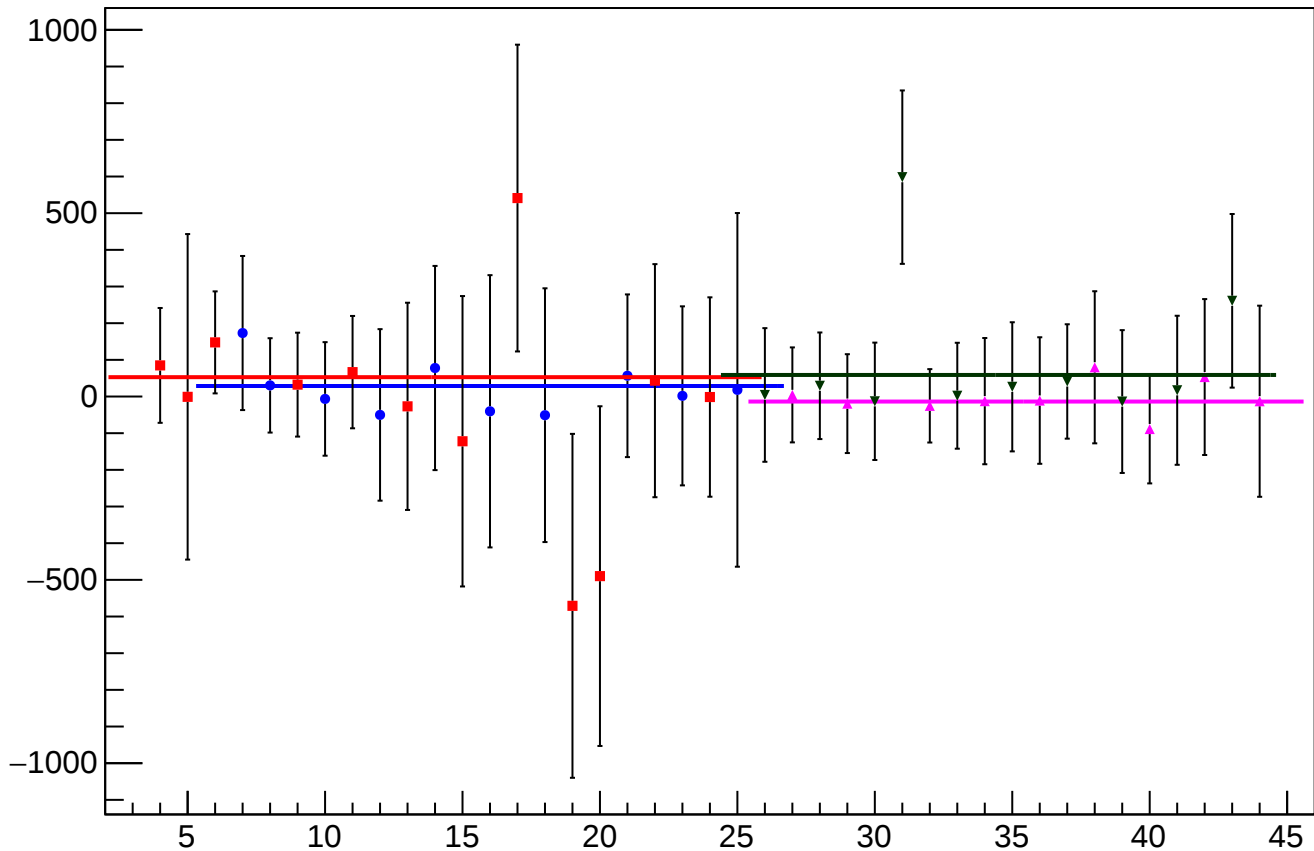
25.408+/-0.006 χ^2/NDF : 4302452.0/19

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

25.128+/-0.006 χ^2/NDF : 4828575.7/20

Left In: 23.710+/-0.007 χ^2/NDF : 165851.2/8

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: 58.807+/-55.552 χ^2/NDF : 6.6/9

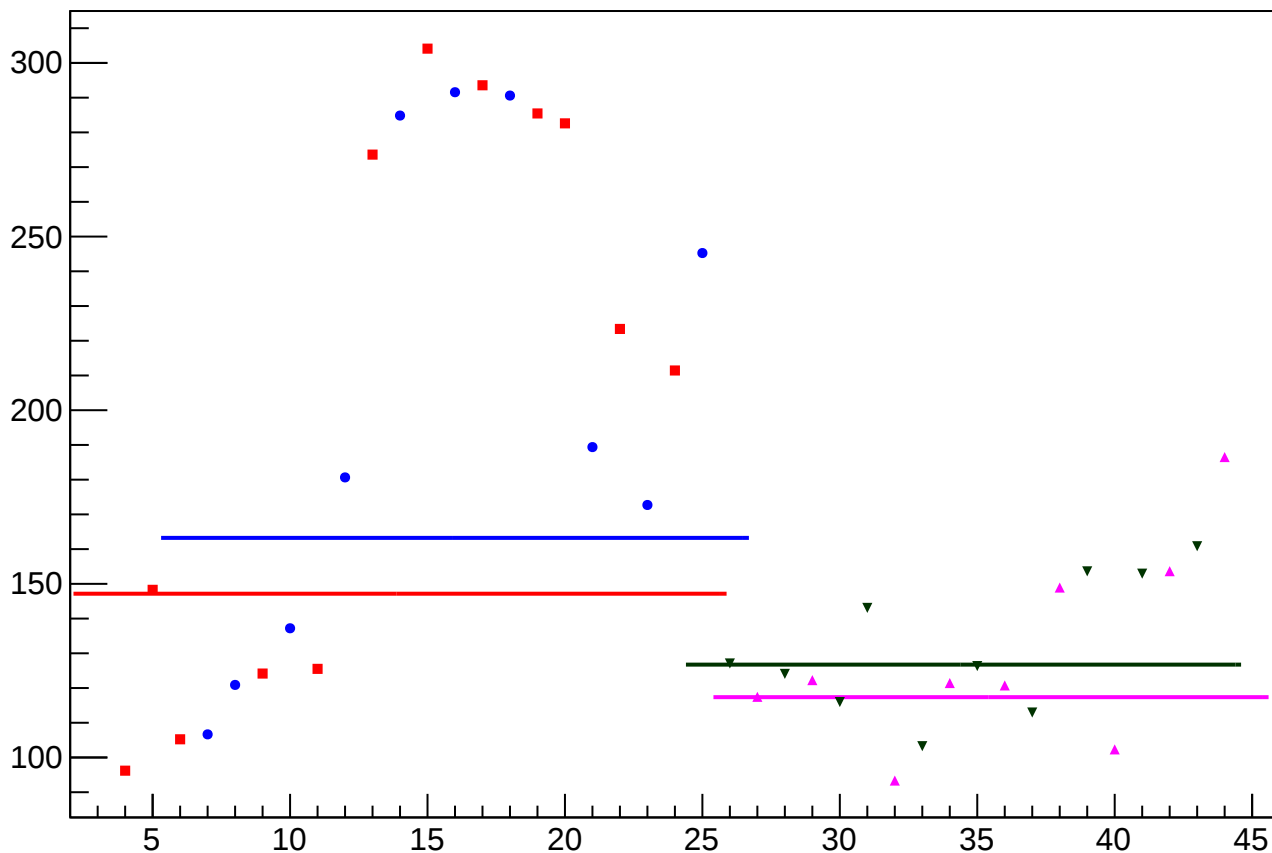
Right Out: 52.783+/-63.607 χ^2/NDF : 5.4/11

Left In: -13.722+/-50.809 χ^2/NDF : 0.6/8

46.868+/-43.155 χ^2/NDF : 7.5/19

12.183+/-39.699 χ^2/NDF : 6.6/20

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: 126.741+/-0.039 χ^2/NDF : 200512.0/9

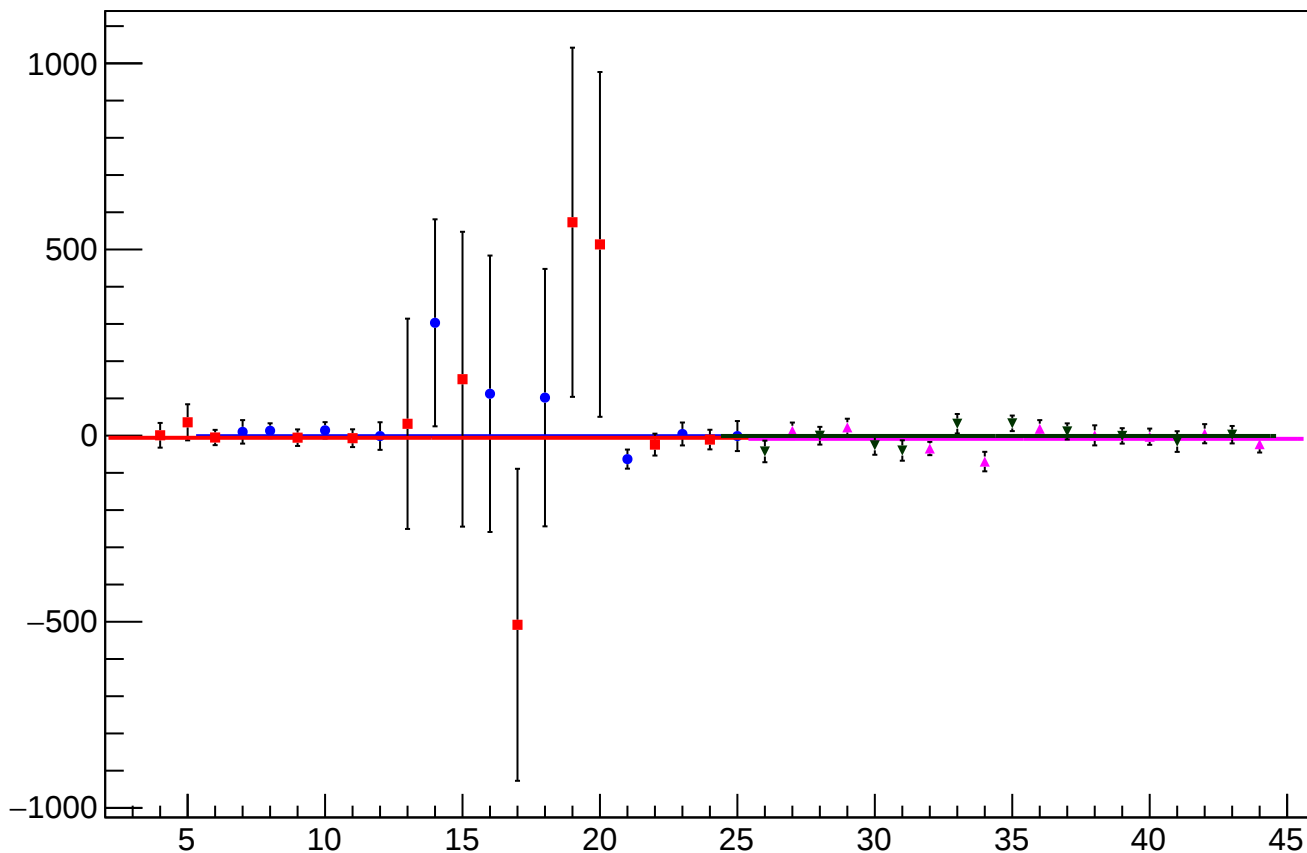
141.213+/-0.031 χ^2/NDF : 1951999.7/19

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

128.975+/-0.028 χ^2/NDF : 2670539.4/20

Left In: 117.371+/-0.036 χ^2/NDF : 385529.6/8

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs slug



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

Left Out: -0.891+/-7.638 χ^2/NDF : 9.9/9

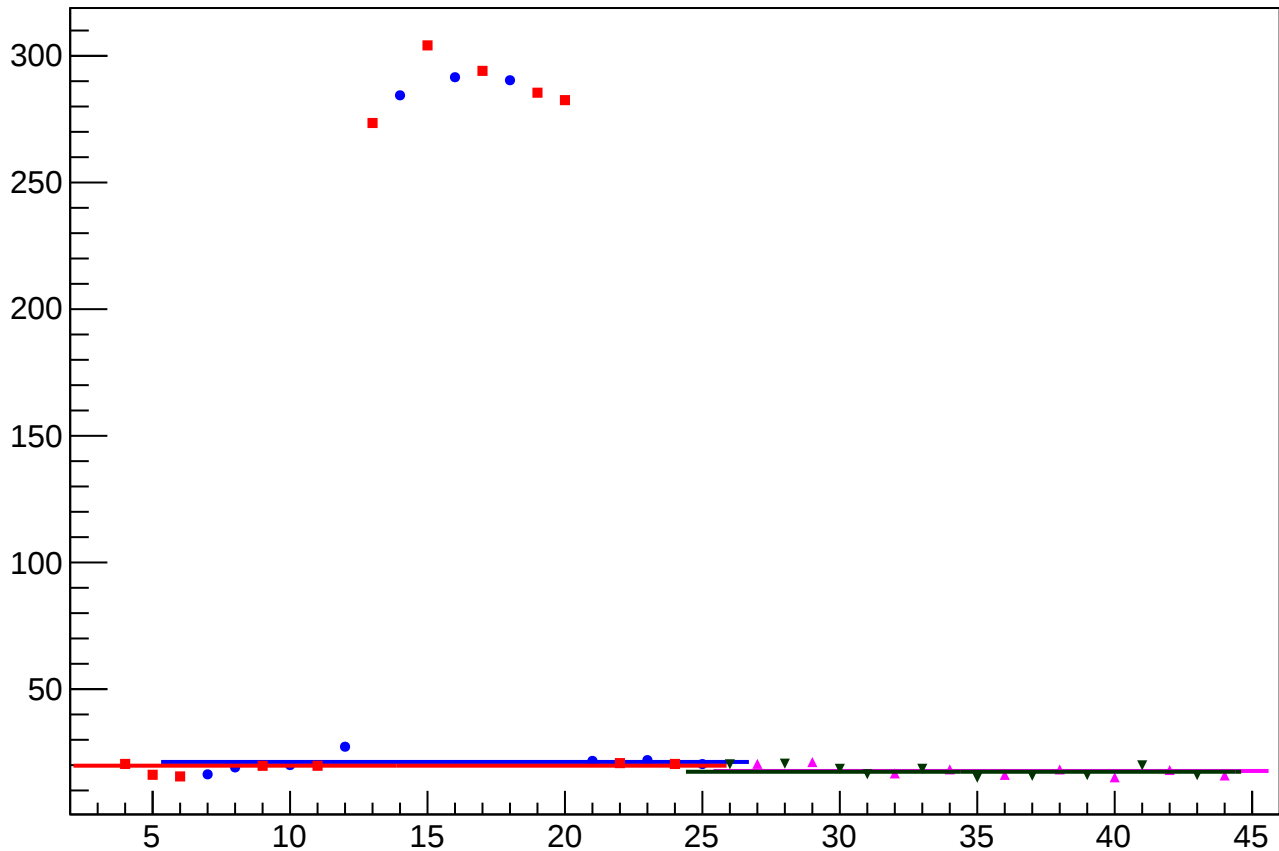
Right Out: -5.806+/-9.942 χ^2/NDF : 5.6/11

Left In: -8.626+/-7.603 χ^2/NDF : 12.5/8

-1.115+/-6.124 χ^2/NDF : 18.3/19

-7.586+/-6.040 χ^2/NDF : 18.2/20

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs slug



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

Left Out: 17.382+/-0.005 χ^2/NDF :136187.2/9

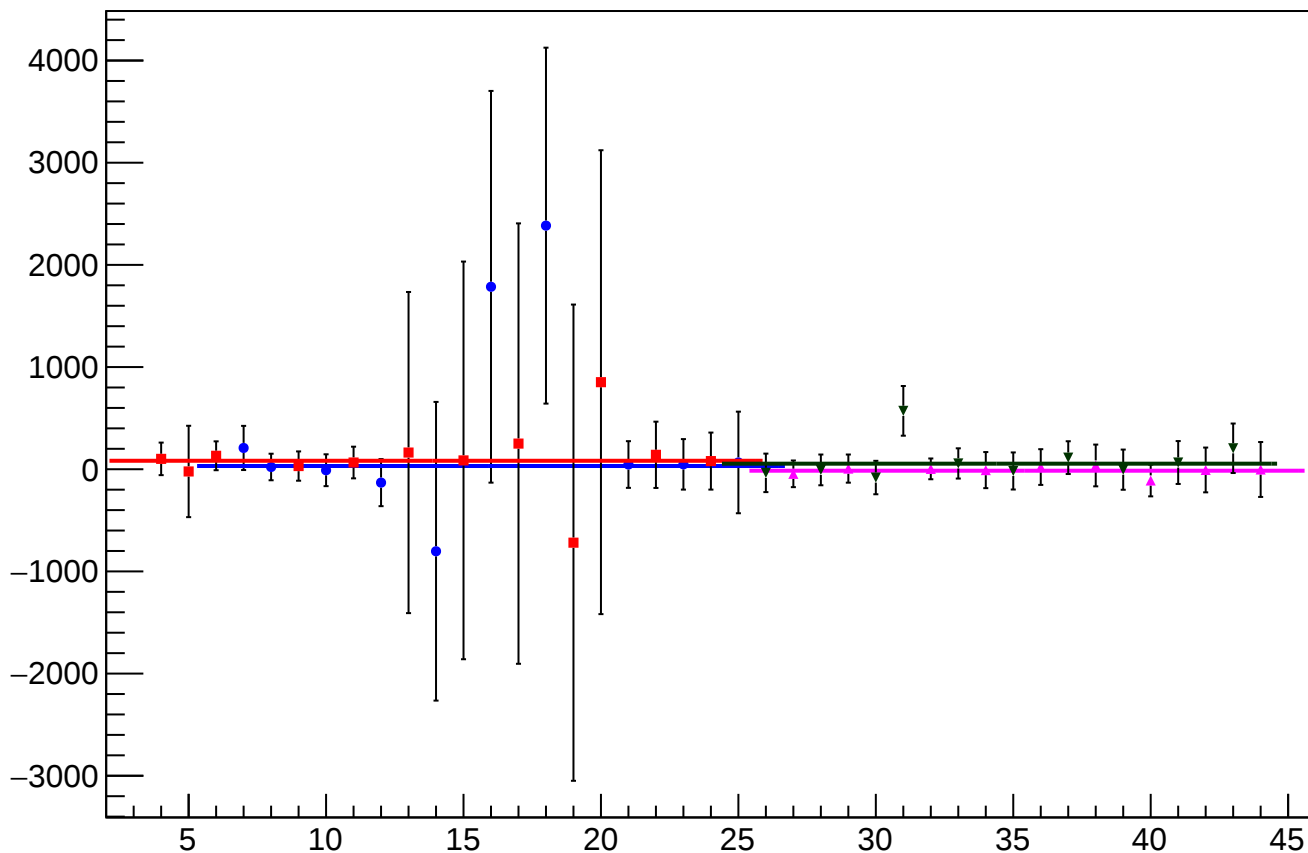
18.765+/-0.004 χ^2/NDF : 4516532.0/19

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

18.464+/-0.004 χ^2/NDF : 5077792.1/20

Left In: 17.695+/-0.005 χ^2/NDF :133973.4/8

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: 54.414+/-57.060 χ^2/NDF : 6.4/9

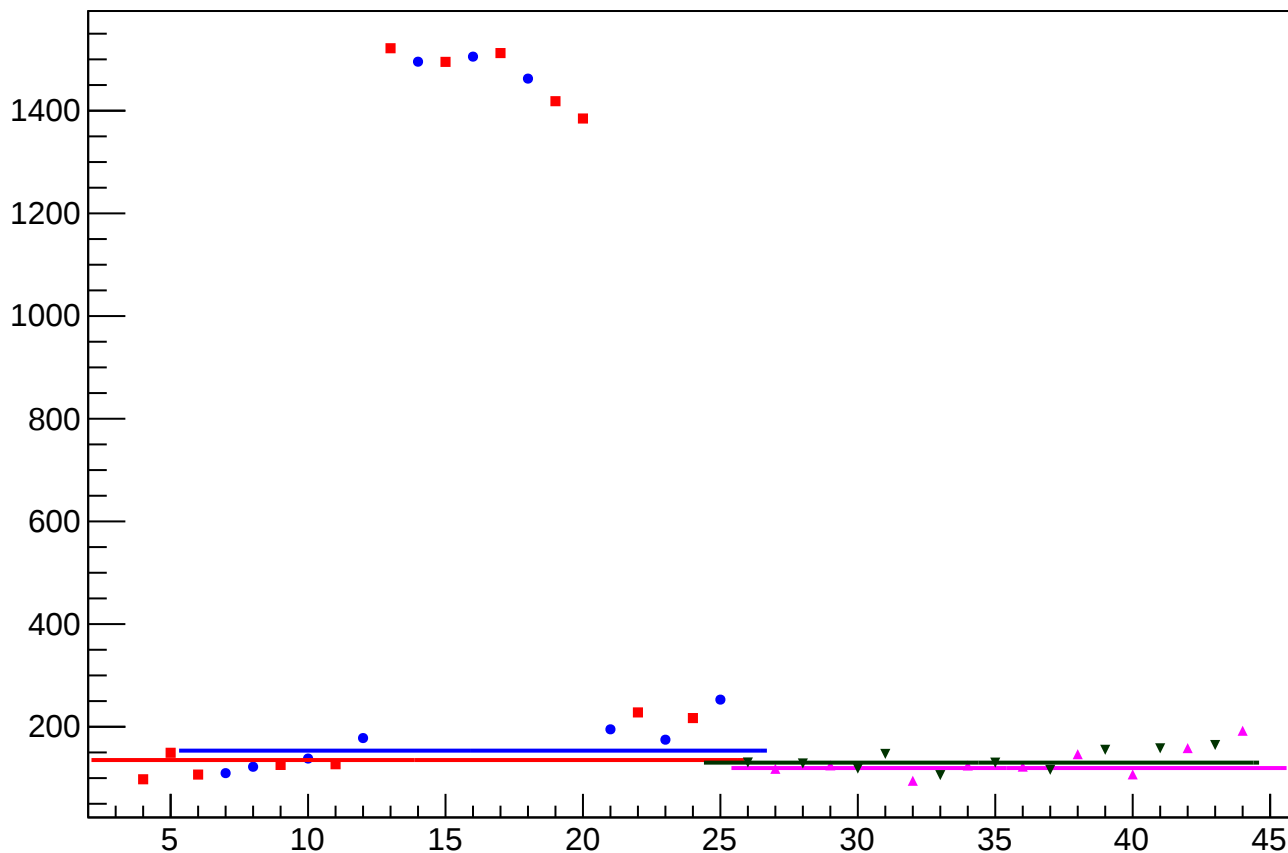
Right Out: 82.898+/-69.271 χ^2/NDF : 0.6/11

Left In: -14.439+/-51.773 χ^2/NDF : 0.6/8

45.939+/-45.246 χ^2/NDF : 10.7/19

20.447+/-41.470 χ^2/NDF : 2.5/20

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: 130.144+/-0.040 χ^2/NDF :197118.8/9

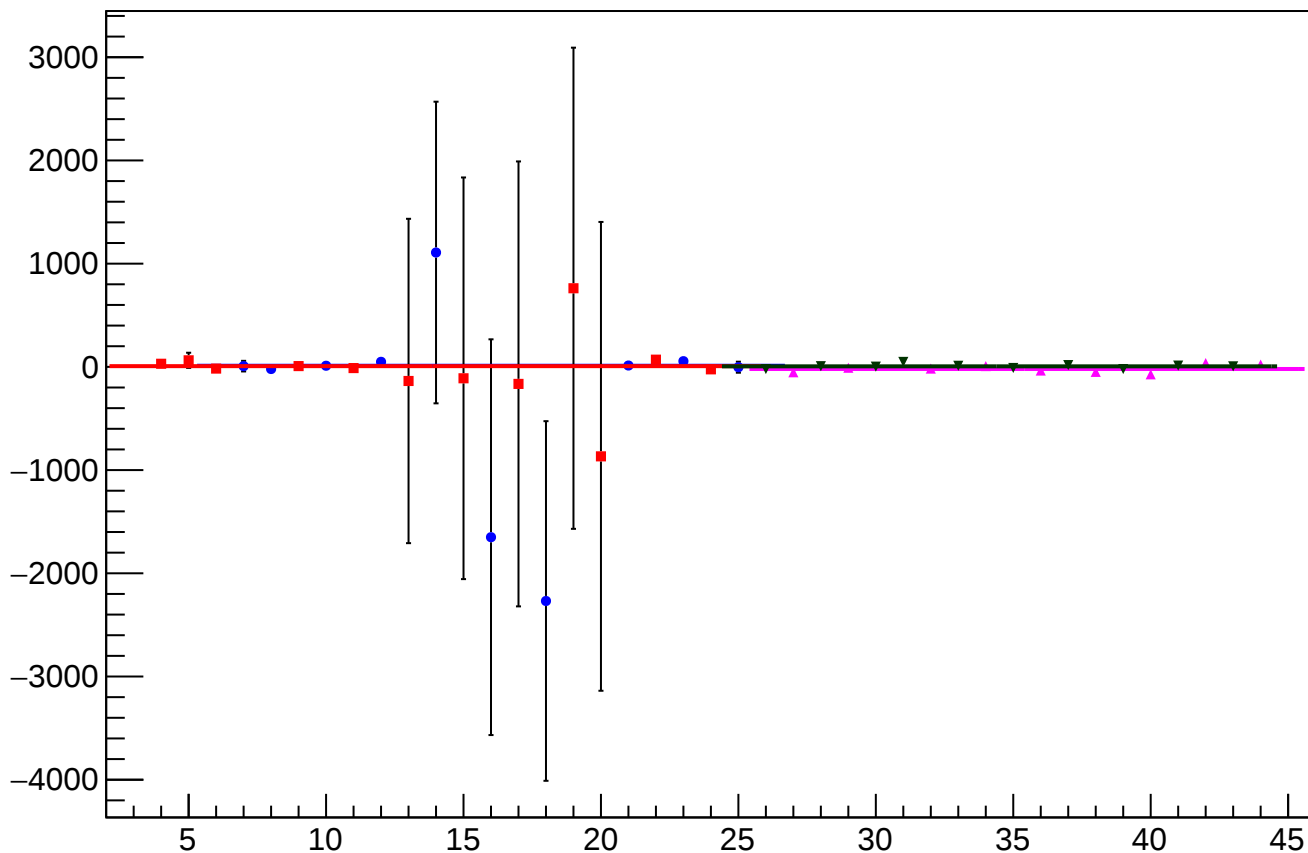
Right Out: 135.194+/-0.049 χ^2/NDF : 5104872.2/11

Left In: 119.590+/-0.037 χ^2/NDF :380691.2/8

138.822+/-0.032 χ^2/NDF : 4534108.4/19

125.183+/-0.029 χ^2/NDF : 5550670.4/20

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs slug



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

Left Out: 5.137+/-9.787 χ^2/NDF : 3.6/9

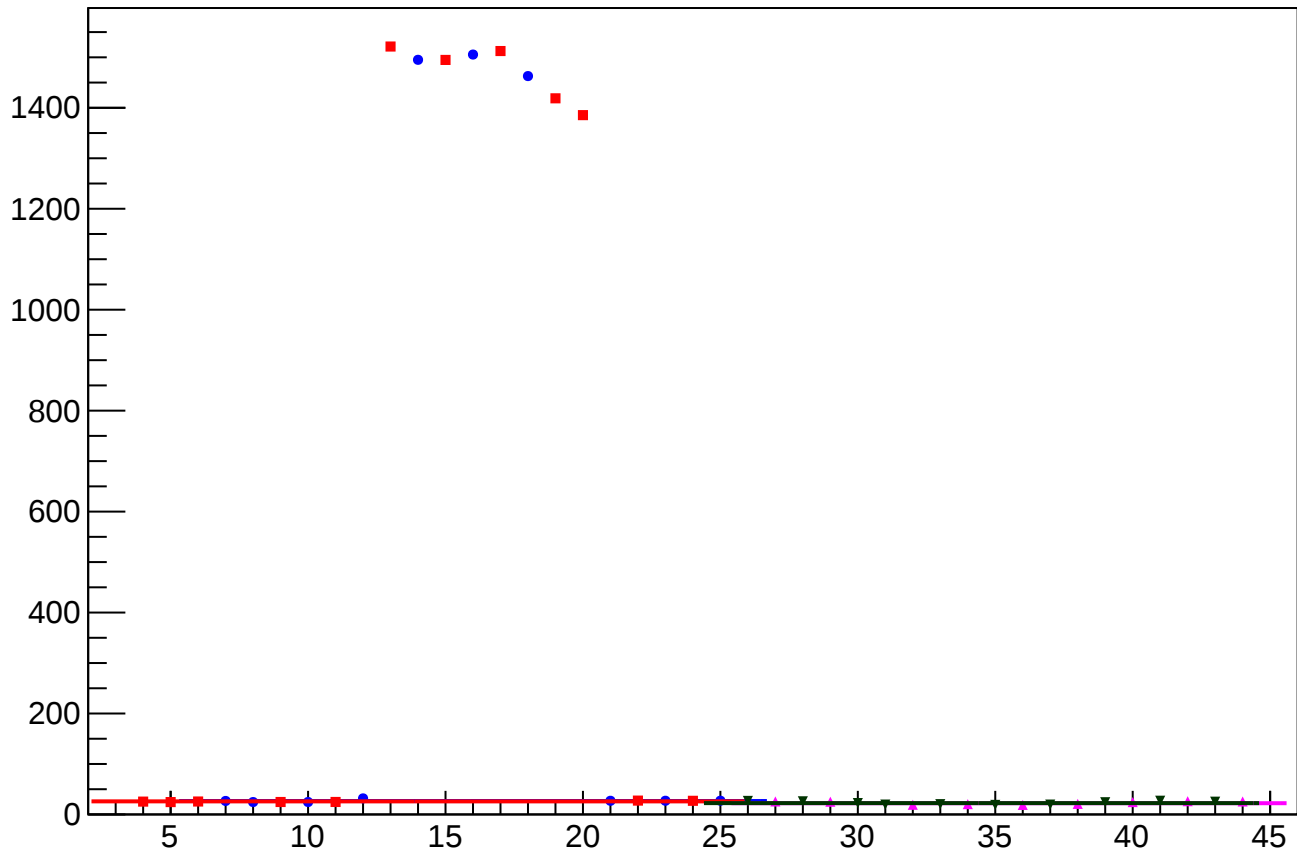
Right Out: 6.946+/-13.410 χ^2/NDF : 5.5/11

Left In: -20.467+/-9.485 χ^2/NDF : 9.8/8

7.164+/-7.832 χ^2/NDF : 10.6/19

-11.326+/-7.744 χ^2/NDF : 18.1/20

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: 22.469+/-0.007 χ^2/NDF :192593.7/9

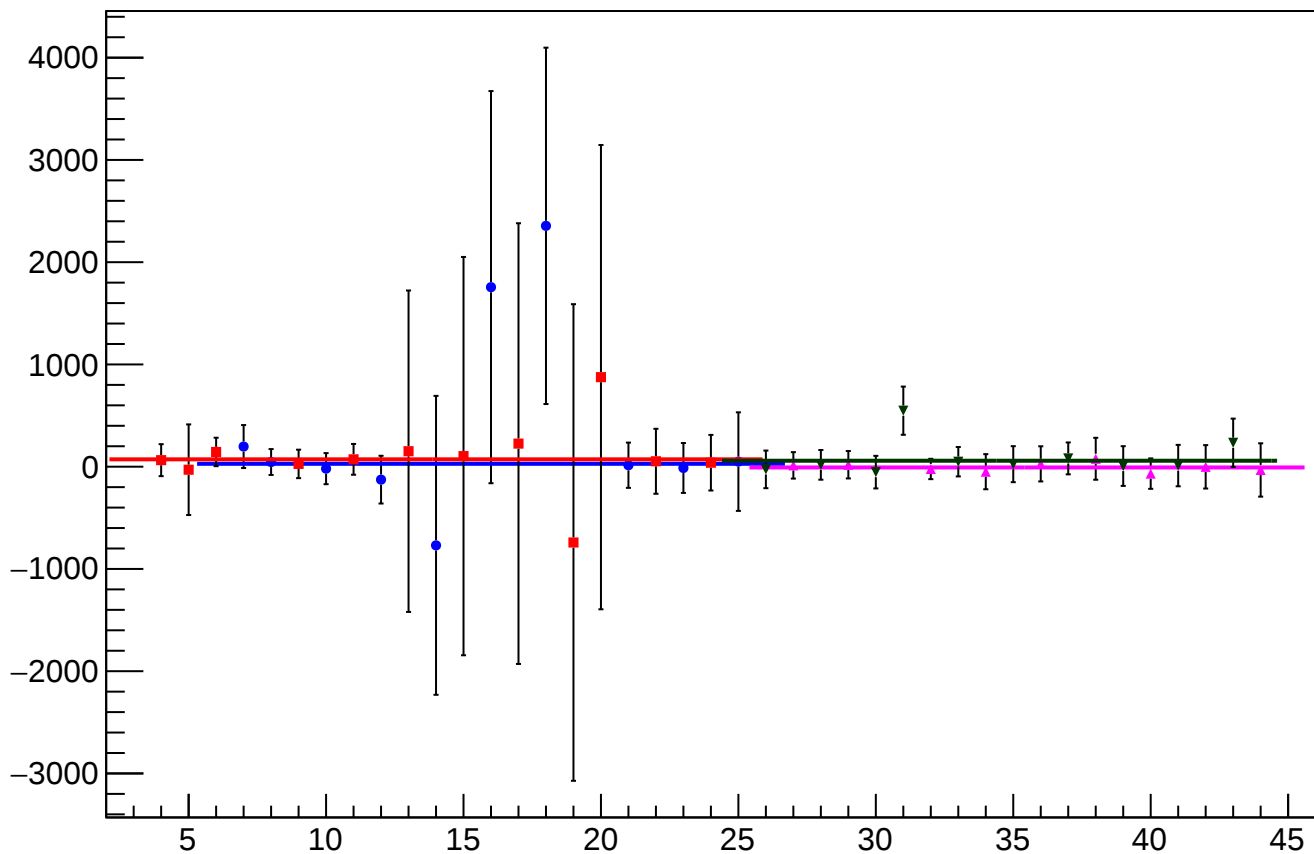
Right Out: 25.943+/-0.009 χ^2/NDF : 5346963.3/11

Left In: 22.294+/-0.007 χ^2/NDF :193997.0/8

23.952+/-0.006 χ^2/NDF : 4944289.8/19

23.511+/-0.005 χ^2/NDF : 5639651.6/20

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: 58.282+/-55.472 χ^2/NDF : 5.8/9

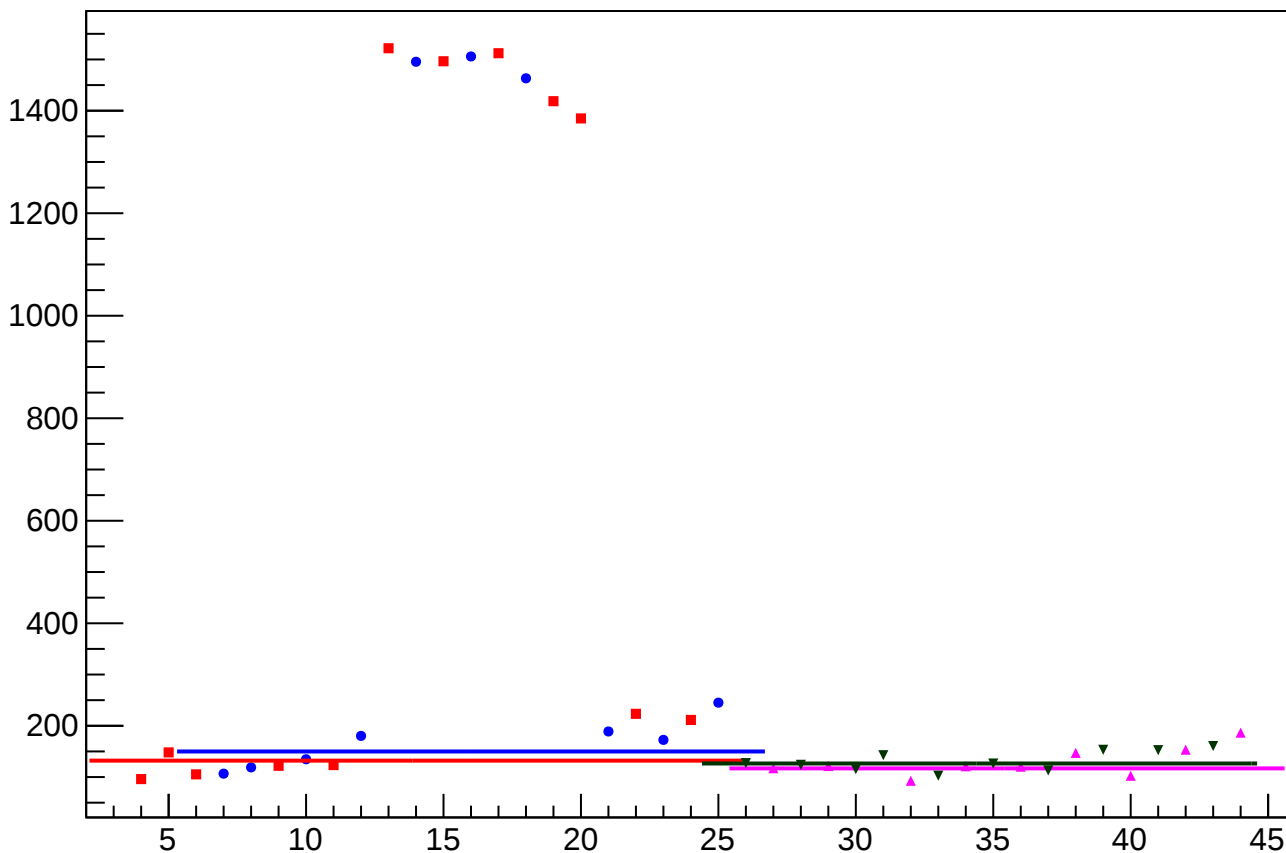
Right Out: 72.031+/-67.714 χ^2/NDF : 0.7/11

Left In: -7.345+/-50.616 χ^2/NDF : 0.5/8

47.244+/-44.094 χ^2/NDF : 10.1/19

21.108+/-40.541 χ^2/NDF : 2.1/20

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: 126.462+/-0.039 χ^2/NDF : 201645.3/9

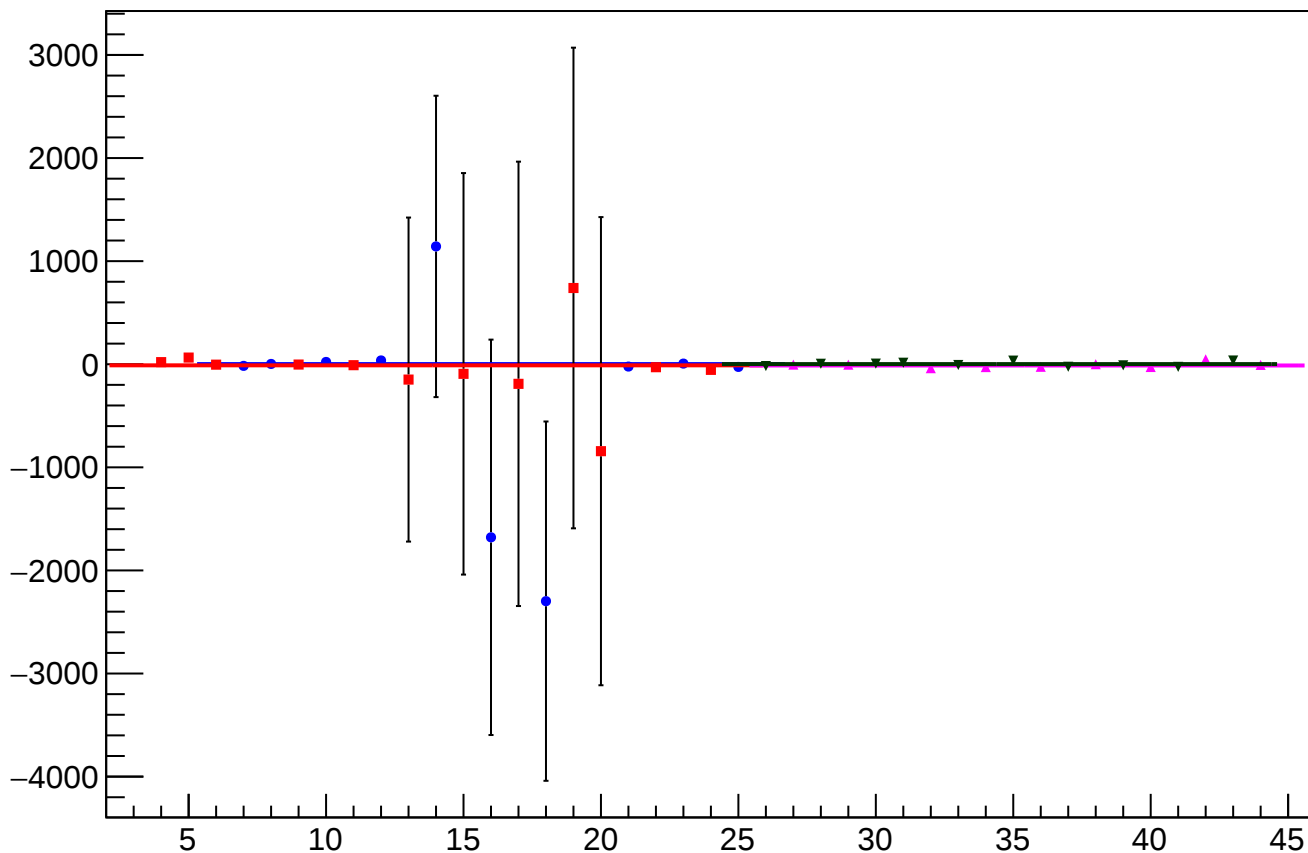
135.091+/-0.031 χ^2/NDF : 4580527.5/19

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

122.330+/-0.029 χ^2/NDF : 5570252.0/20

Left In: 116.908+/-0.036 χ^2/NDF : 386526.1/8

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: 1.404+/-7.049 χ^2/NDF : 9.5/9

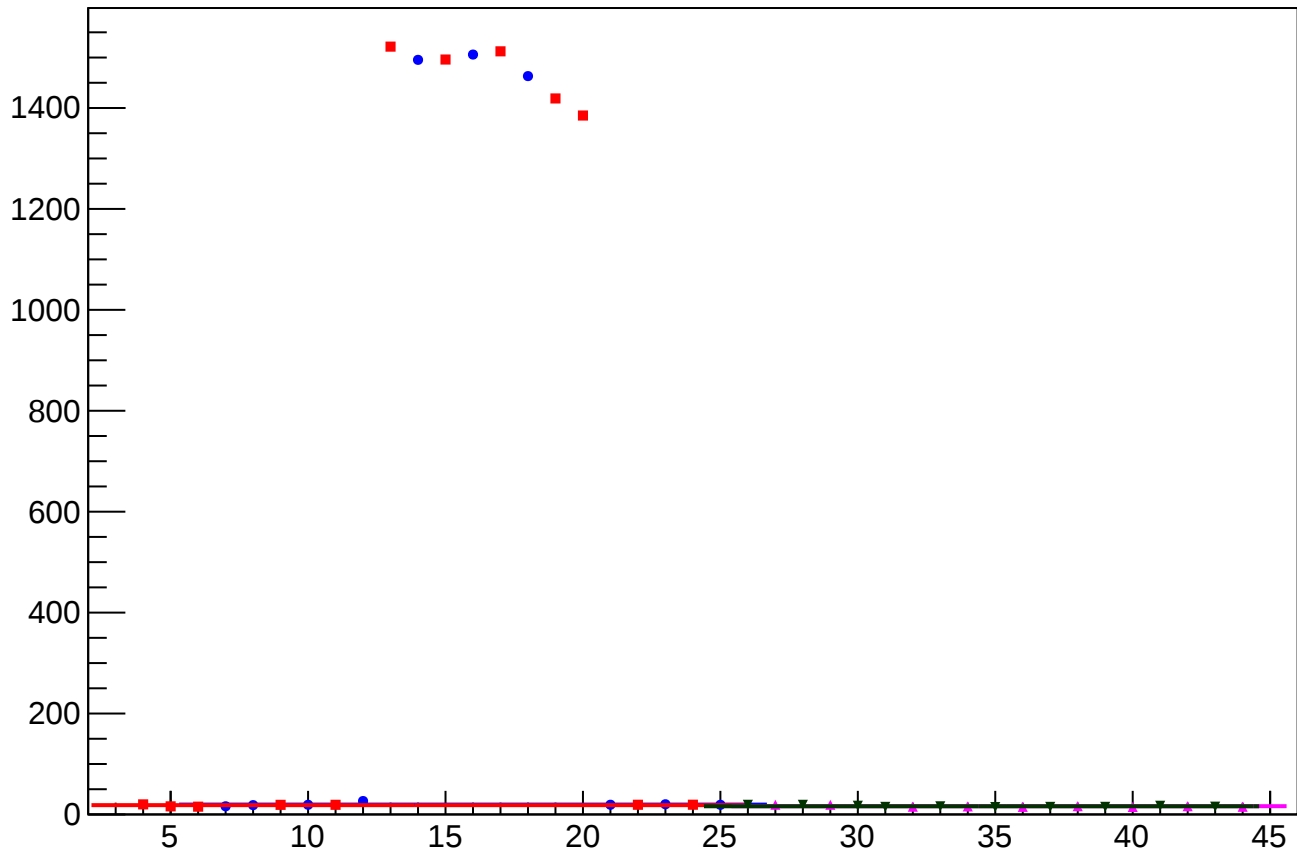
1.411+/-5.698 χ^2/NDF : 16.6/19

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

-11.503+/-5.630 χ^2/NDF : 18.9/20

Left In: -12.005+/-6.949 χ^2/NDF : 11.5/8

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: 16.220+/-0.005 χ^2/NDF : 97219.6/9

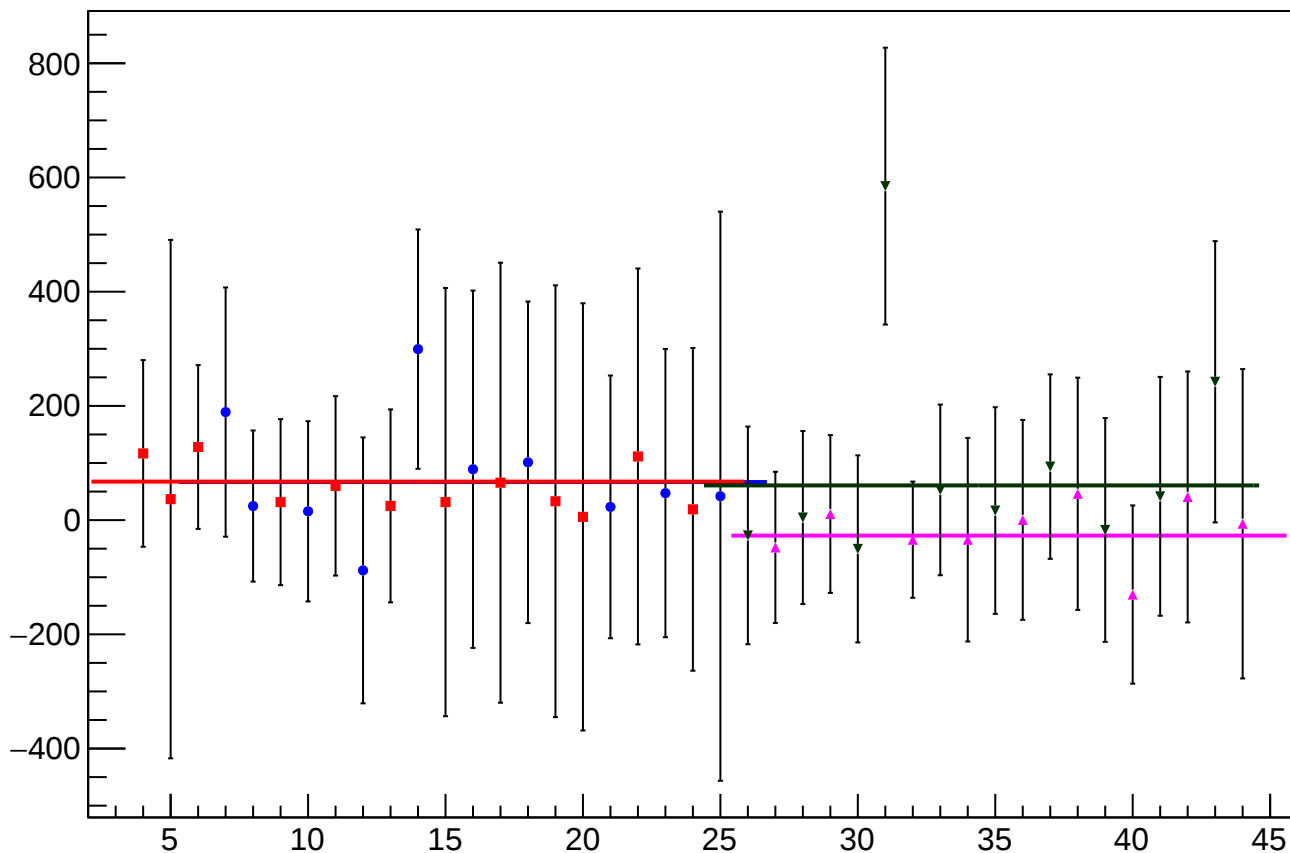
Right Out: 18.441+/-0.007 χ^2/NDF : 5449094.8/11

Left In: 16.381+/-0.005 χ^2/NDF : 104335.4/8

17.366+/-0.004 χ^2/NDF : 4971858.3/19

17.089+/-0.004 χ^2/NDF : 5613819.9/20

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs slug



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

Left Out: 60.773+/-57.310 χ^2/NDF : 6.3/9

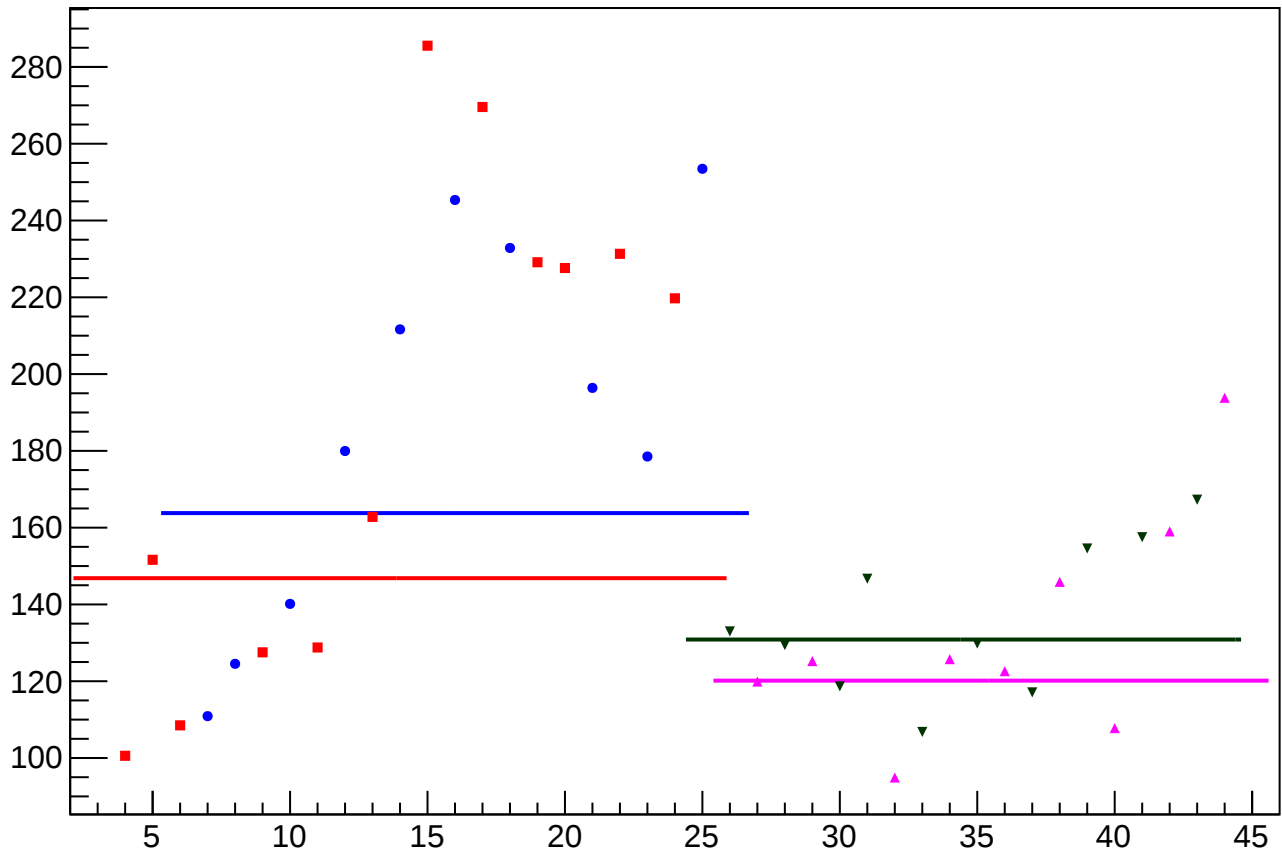
Right Out: 67.441+/-61.599 χ^2/NDF : 0.5/11

Left In: -27.106+/-52.008 χ^2/NDF : 0.8/8

63.261+/-43.628 χ^2/NDF : 8.6/19

12.242+/-39.738 χ^2/NDF : 2.7/20

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs slug



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

Left Out: 130.861+/-0.041 χ^2/NDF : 192101.4/9

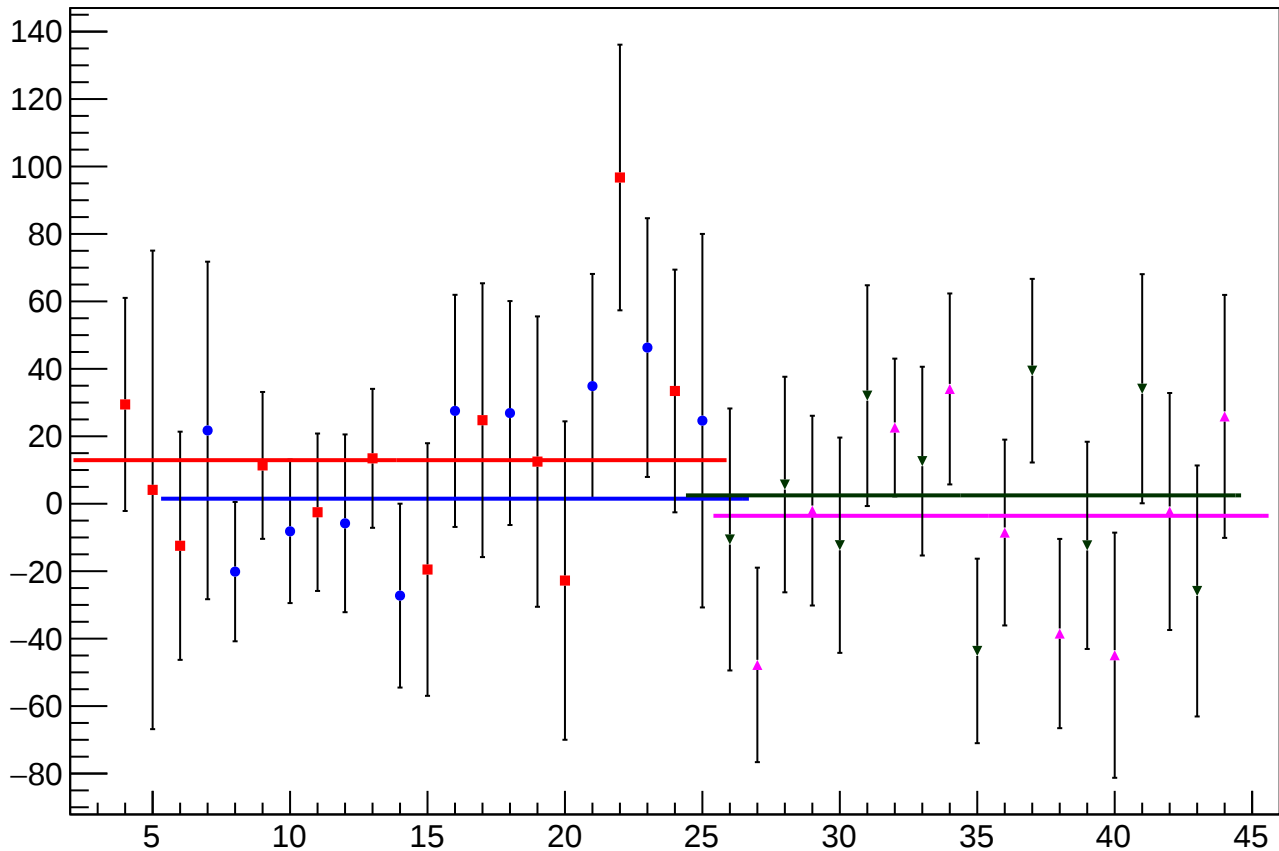
144.708+/-0.031 χ^2/NDF : 1290067.4/19

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

131.256+/-0.028 χ^2/NDF : 1914892.0/20

Left In: 120.147+/-0.037 χ^2/NDF : 383255.1/8

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs slug



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

Left Out: 2.482 ± 9.918 χ^2/NDF : 7.7/9

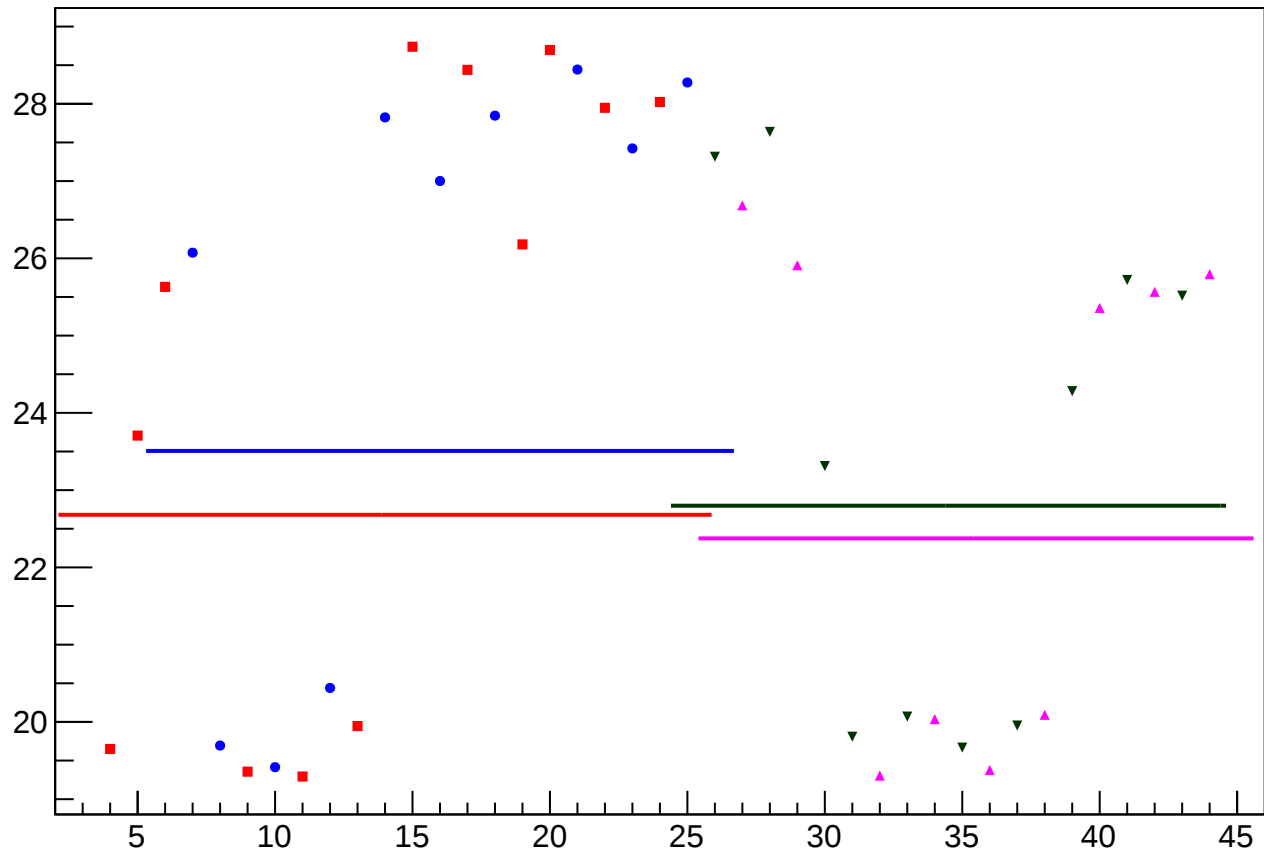
Right Out: 12.920 ± 9.091 χ^2/NDF : 7.6/11

Left In: -3.573 ± 9.519 χ^2/NDF : 9.3/8

1.962 ± 6.810 χ^2/NDF : 14.0/19

5.052 ± 6.574 χ^2/NDF : 18.4/20

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: 22.798+/-0.007 χ^2/NDF : 187251.4/9

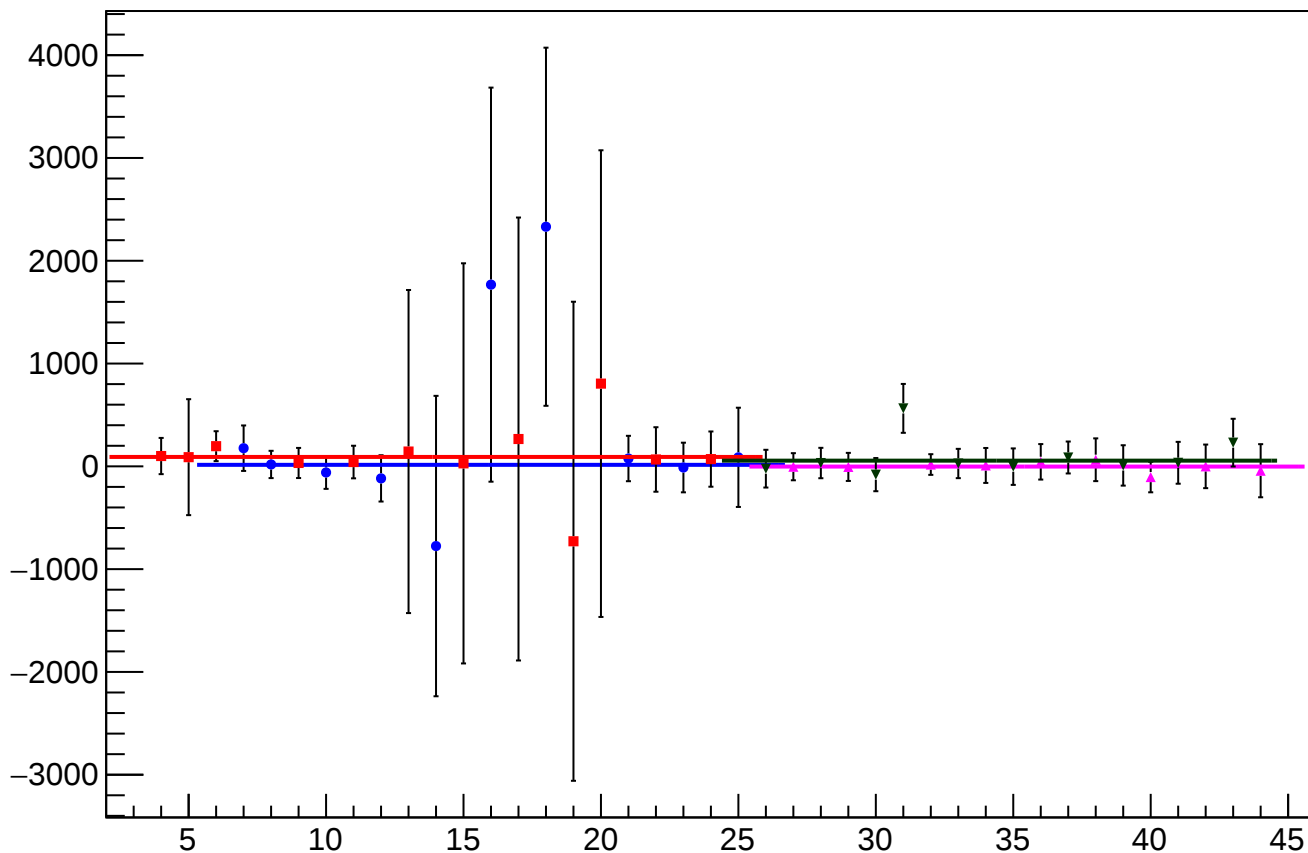
23.173+/-0.005 χ^2/NDF : 551823.0/19

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

22.535+/-0.005 χ^2/NDF : 597189.7/20

Left In: 22.376+/-0.007 χ^2/NDF : 220033.6/8

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: 55.403+/-55.677 χ^2/NDF : 6.3/9

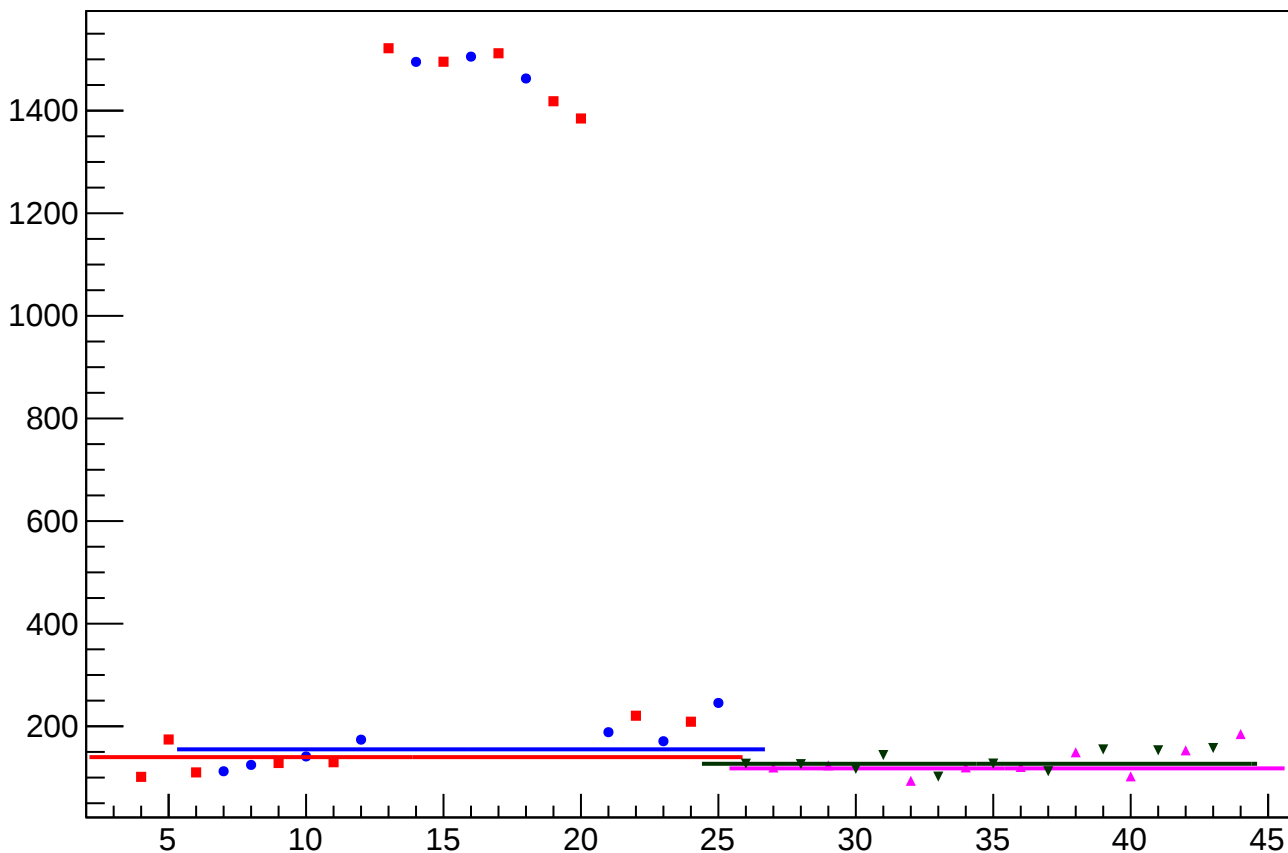
Right Out: 91.524+/-71.755 χ^2/NDF : 1.0/11

Left In: -2.215+/-51.031 χ^2/NDF : 0.7/8

40.846+/-44.635 χ^2/NDF : 10.6/19

29.271+/-41.587 χ^2/NDF : 2.9/20

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: 126.898+/-0.039 χ^2/NDF :206102.9/9

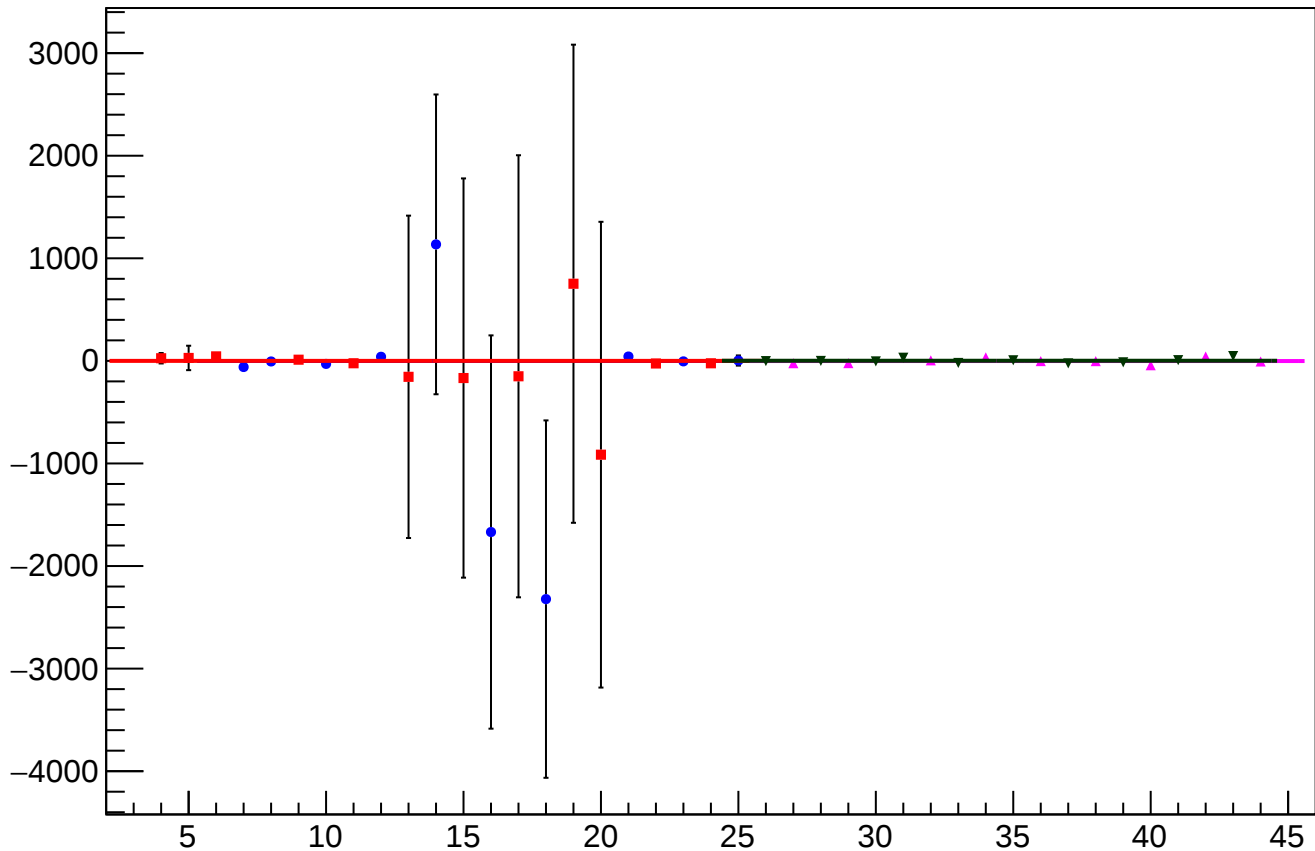
136.957+/-0.032 χ^2/NDF : 4523259.1/19

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

125.308+/-0.029 χ^2/NDF : 5502739.4/20

Left In: 117.943+/-0.036 χ^2/NDF :376971.8/8

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: 1.170+/-9.255 χ^2/NDF : 5.3/9

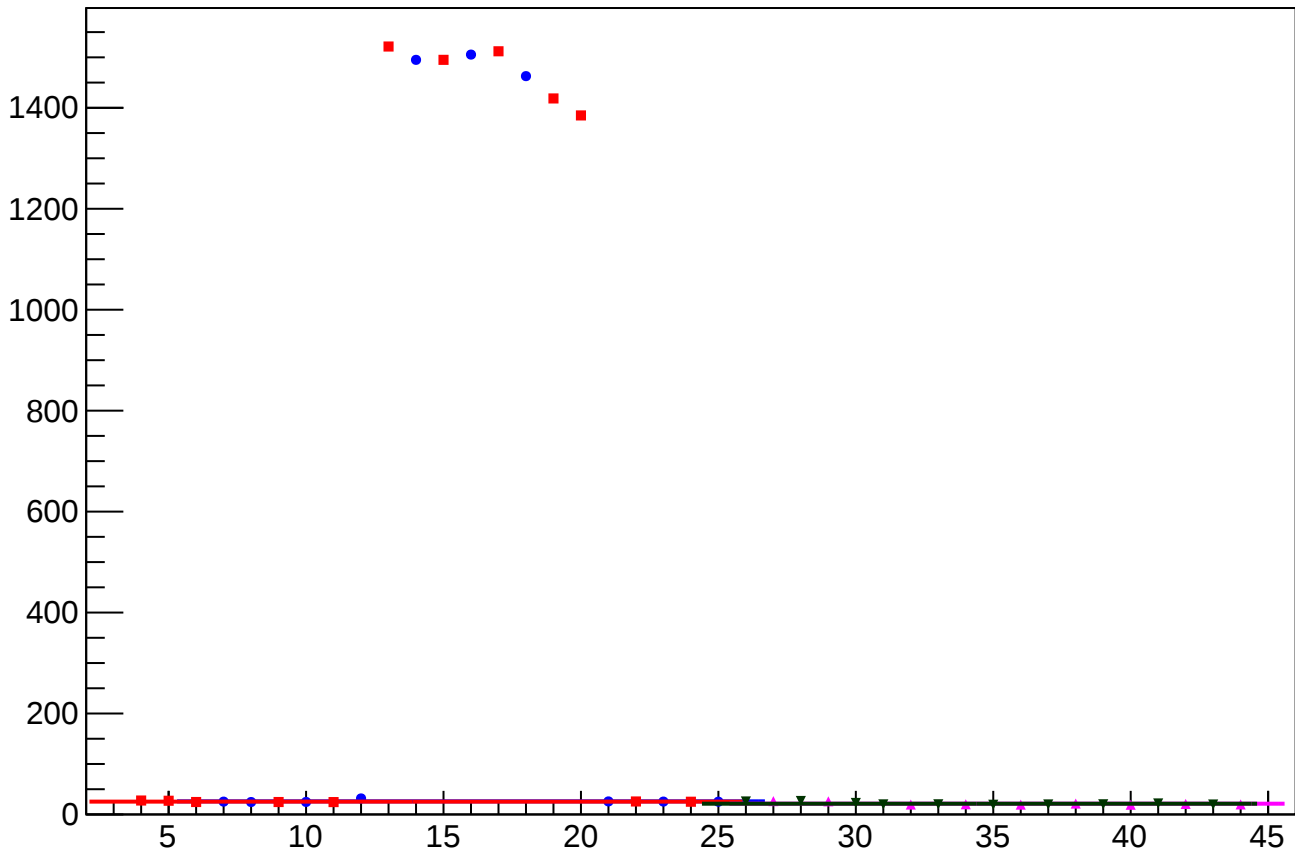
Right Out: -0.057+/-13.414 χ^2/NDF : 4.2/11

Left In: -1.613+/-9.046 χ^2/NDF : 7.3/8

0.335+/-7.493 χ^2/NDF : 14.1/19

-1.127+/-7.500 χ^2/NDF : 11.6/20

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs slug



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

Left Out: 21.296+/-0.007 χ^2/NDF : 129006.6/9

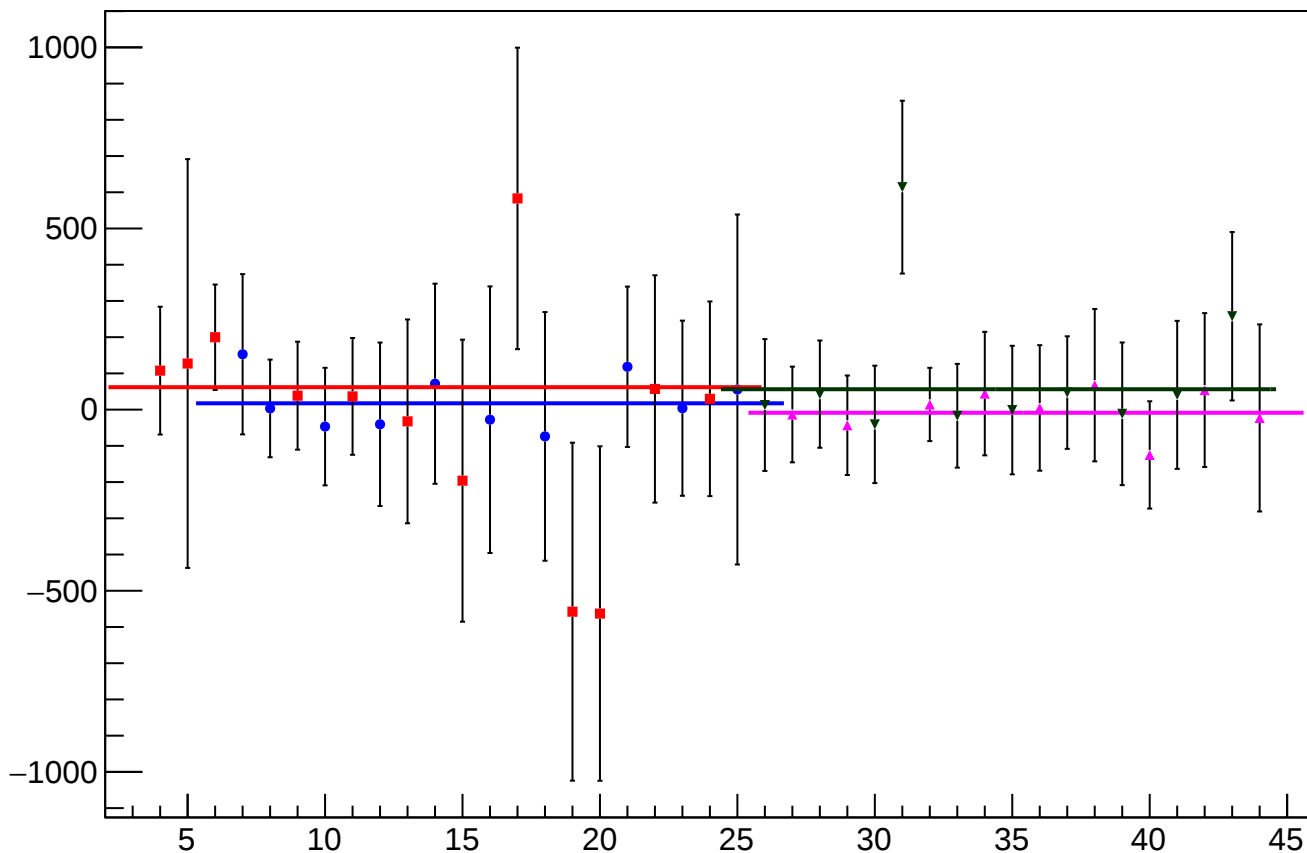
22.916+/-0.005 χ^2/NDF : 4927991.2/19

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

22.596+/-0.005 χ^2/NDF : 5636071.9/20

Left In: 21.307+/-0.006 χ^2/NDF : 159863.8/8

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: 56.309+/-55.753 χ^2/NDF : 7.1/9

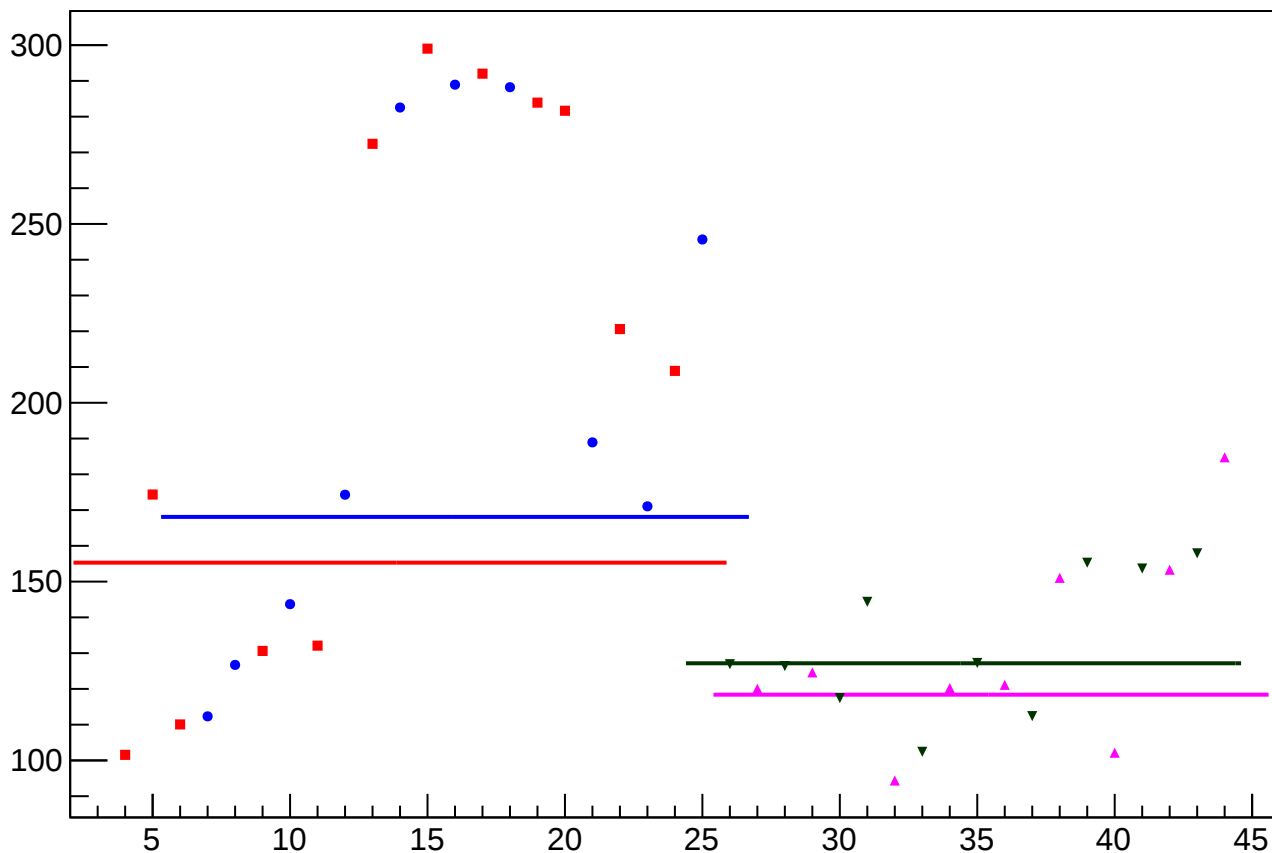
Right Out: 61.917+/-66.769 χ^2/NDF : 6.8/11

Left In: -8.655+/-51.217 χ^2/NDF : 1.1/8

41.235+/-43.619 χ^2/NDF : 8.3/19

17.488+/-40.638 χ^2/NDF : 8.5/20

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: 127.165 $\pm$ 0.039 χ^2 /NDF: 204883.4/9

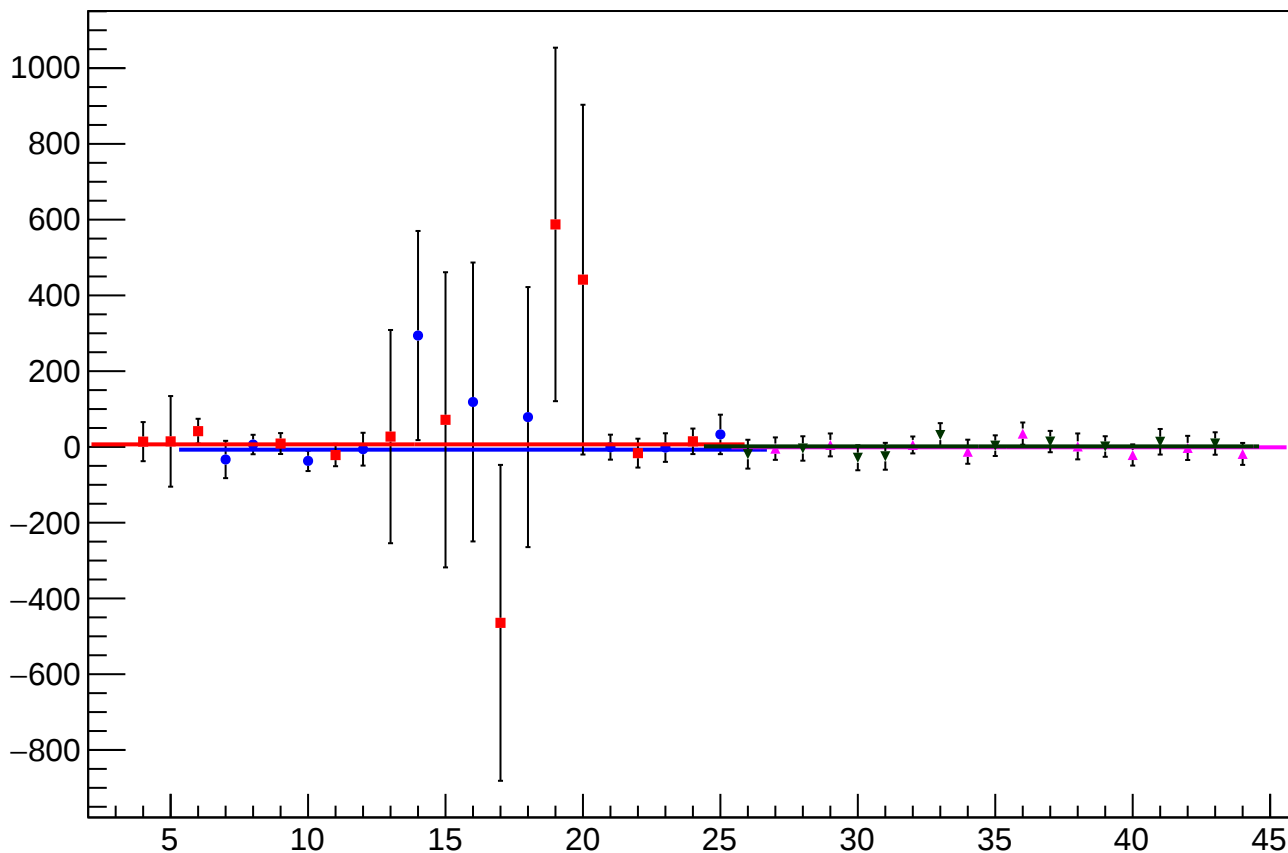
143.040 $\pm$ 0.031 χ^2 /NDF: 1859212.1/19

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

132.061 $\pm$ 0.029 χ^2 /NDF: 2541765.3/20

Left In: 118.387 $\pm$ 0.036 χ^2 /NDF: 376424.8/8

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: 1.423 ± 9.824 χ^2/NDF : 3.0/9

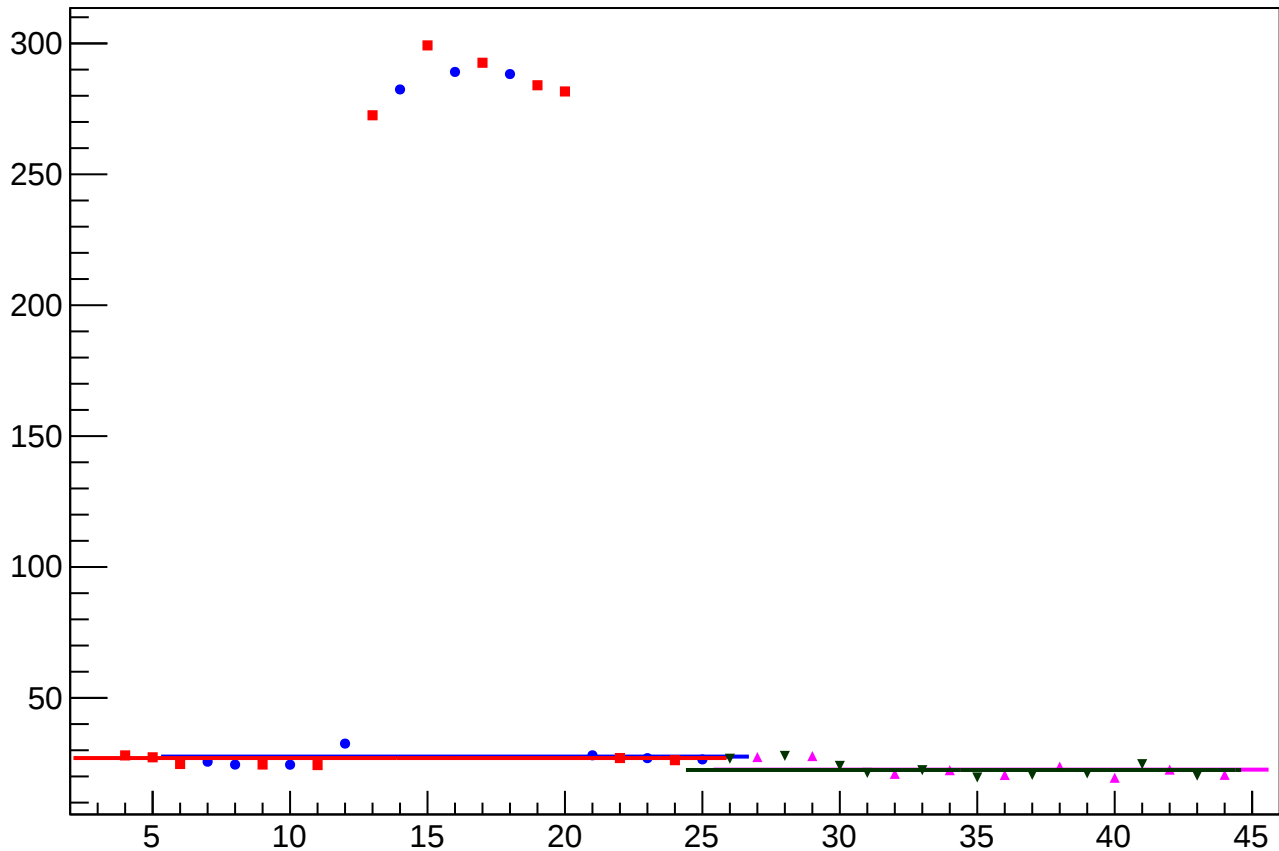
Right Out: 6.763 ± 13.545 χ^2/NDF : 6.3/11

Left In: -1.028 ± 9.666 χ^2/NDF : 2.7/8

-1.710 ± 7.848 χ^2/NDF : 7.1/19

1.601 ± 7.868 χ^2/NDF : 9.2/20

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: 22.469+/-0.007 χ^2 /NDF:142902.0/9

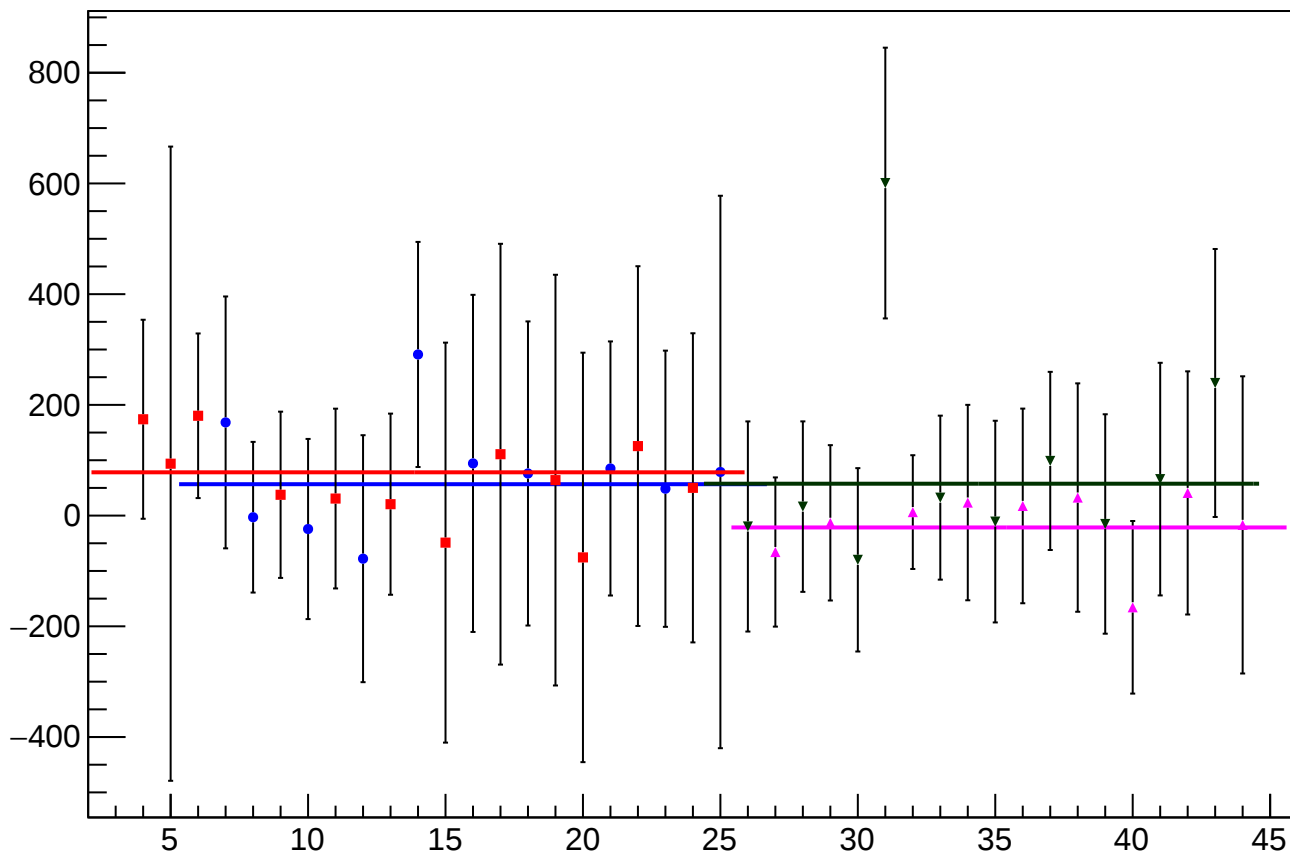
24.318+/-0.006 χ^2 /NDF: 4292731.4/19

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

24.092+/-0.006 χ^2 /NDF: 4878377.7/20

Left In: 22.600+/-0.007 χ^2 /NDF:168139.0/8

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs slug



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

Left Out: 57.595 $\pm$ 57.484 χ^2 /NDF: 6.8/9

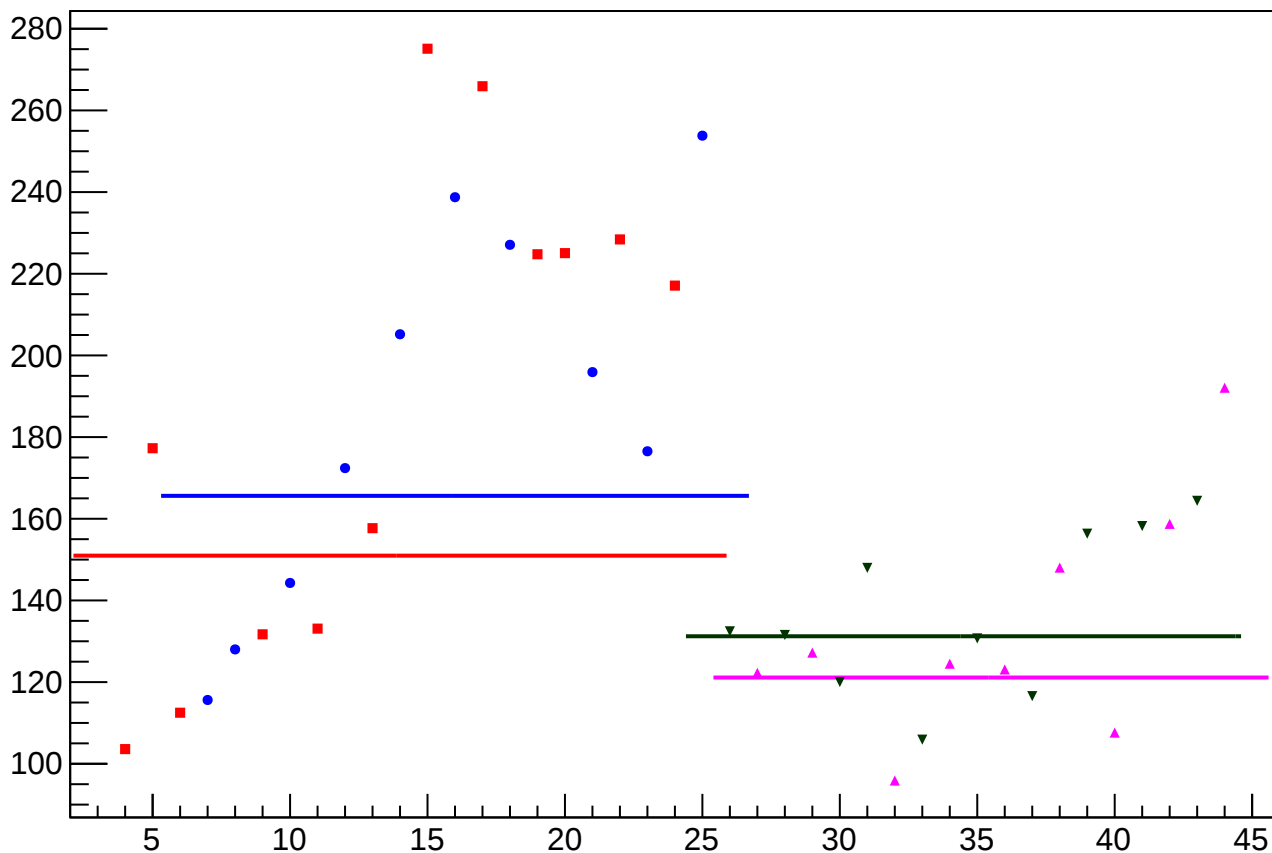
Right Out: 78.185 $\pm$ 63.204 χ^2 /NDF: 1.4/11

Left In: -21.418 $\pm$ 52.393 χ^2 /NDF: 1.3/8

57.227 $\pm$ 43.806 χ^2 /NDF: 9.2/19

19.150 $\pm$ 40.336 χ^2 /NDF: 4.2/20

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: 131.227+/-0.041 χ^2/NDF : 196358.6/9

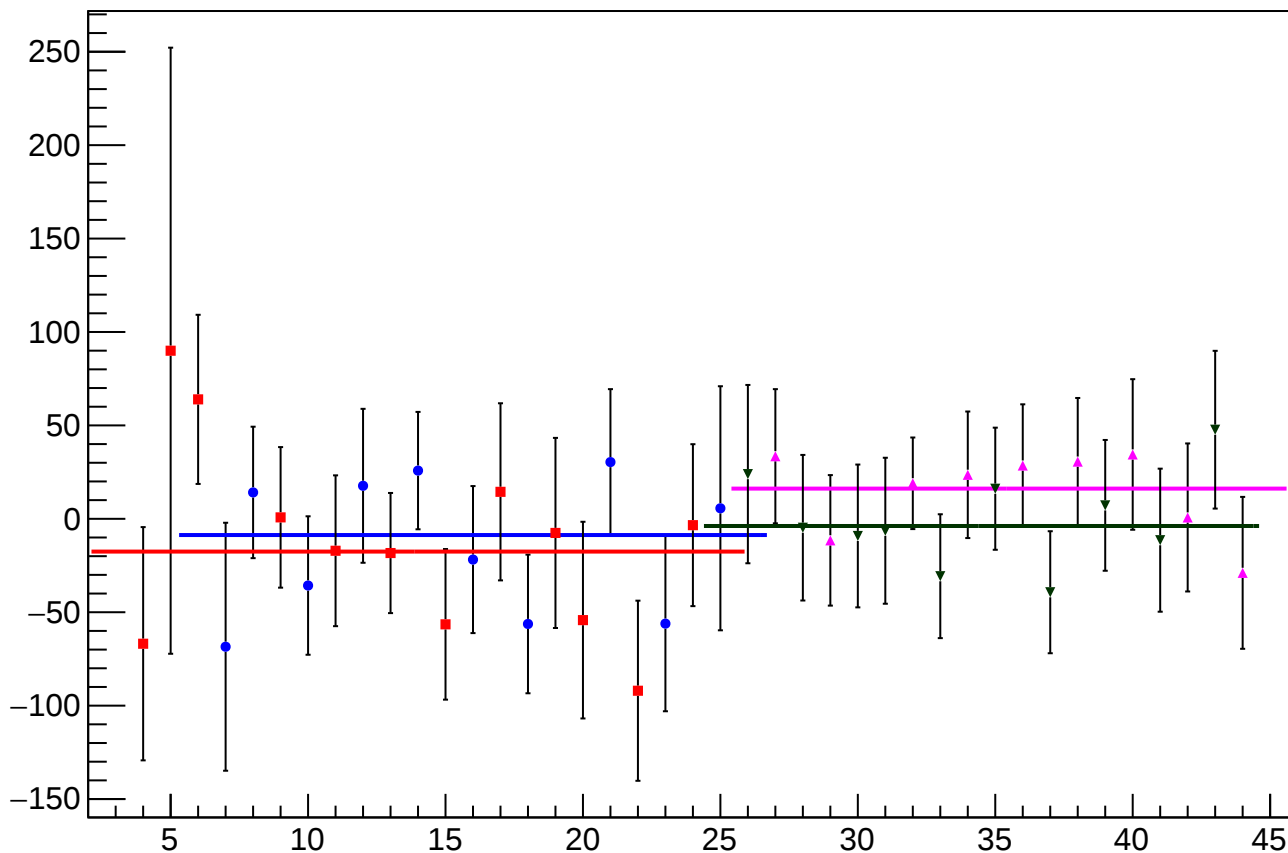
145.644+/-0.031 χ^2/NDF : 1174437.1/19

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

133.278+/-0.029 χ^2/NDF : 1779093.5/20

Left In: 121.121+/-0.037 χ^2/NDF : 372893.0/8

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs slug



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

Left Out: -3.842 ± 11.719 χ^2/NDF : 4.2/9

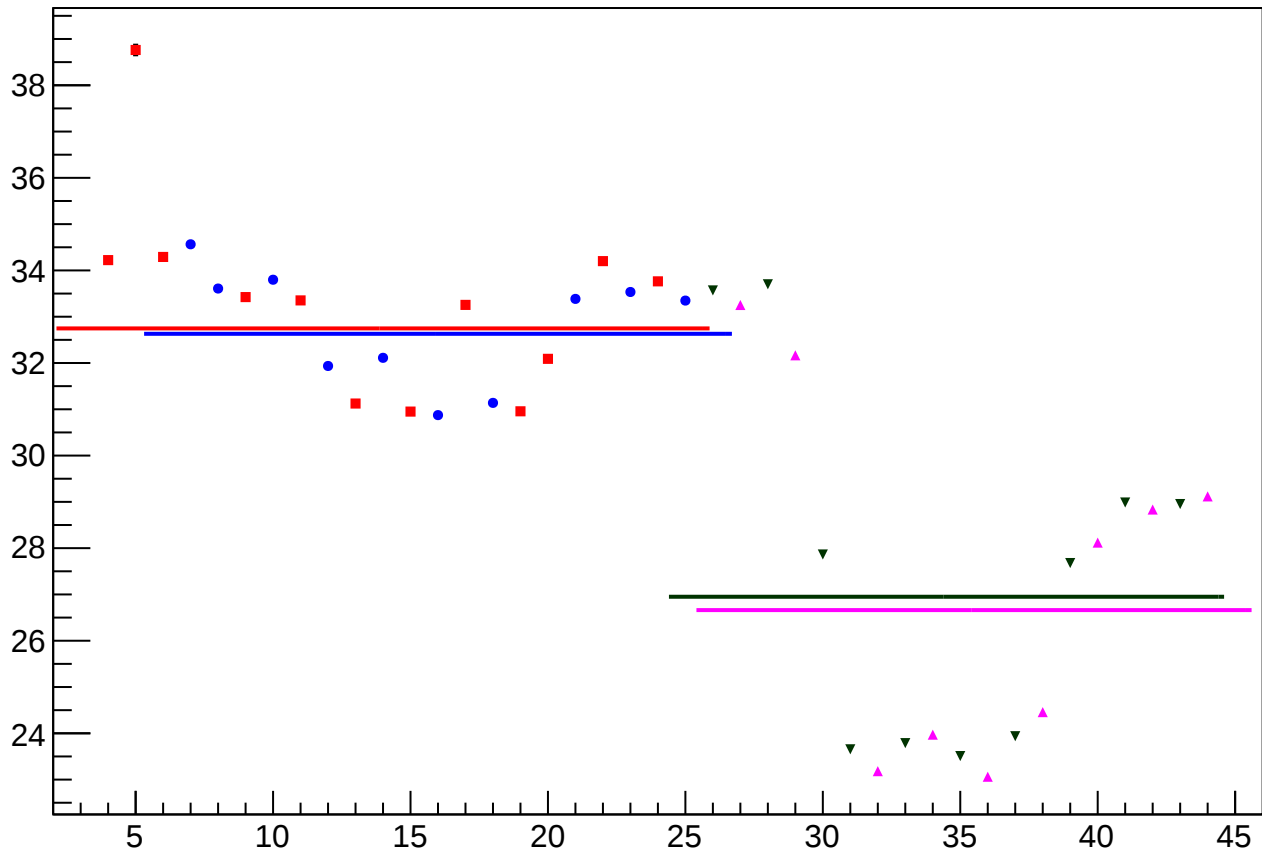
Right Out: -17.538 ± 13.085 χ^2/NDF : 8.9/11

Left In: 16.171 ± 11.335 χ^2/NDF : 2.8/8

-6.045 ± 8.650 χ^2/NDF : 11.5/19

1.720 ± 8.567 χ^2/NDF : 15.6/20

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs slug



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

Left Out: 26.950+/-0.008 χ^2/NDF : 182300.2/9

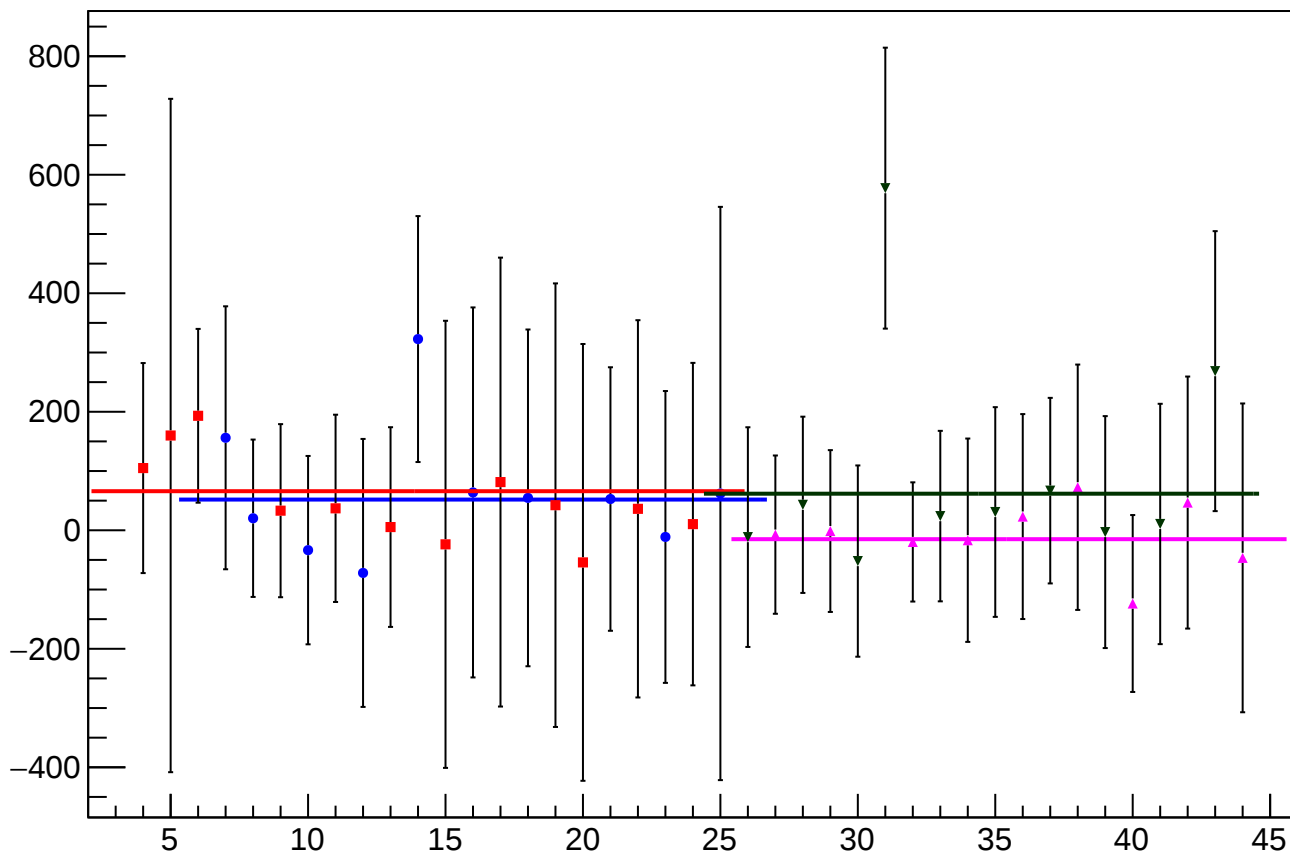
Right Out: 32.747+/-0.009 χ^2/NDF : 22297.5/11

Left In: 26.662+/-0.008 χ^2/NDF : 218434.4/8

29.536+/-0.006 χ^2/NDF : 411489.0/19

29.271+/-0.006 χ^2/NDF : 487855.3/20

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: 61.733+/-55.913 χ^2/NDF : 6.4/9

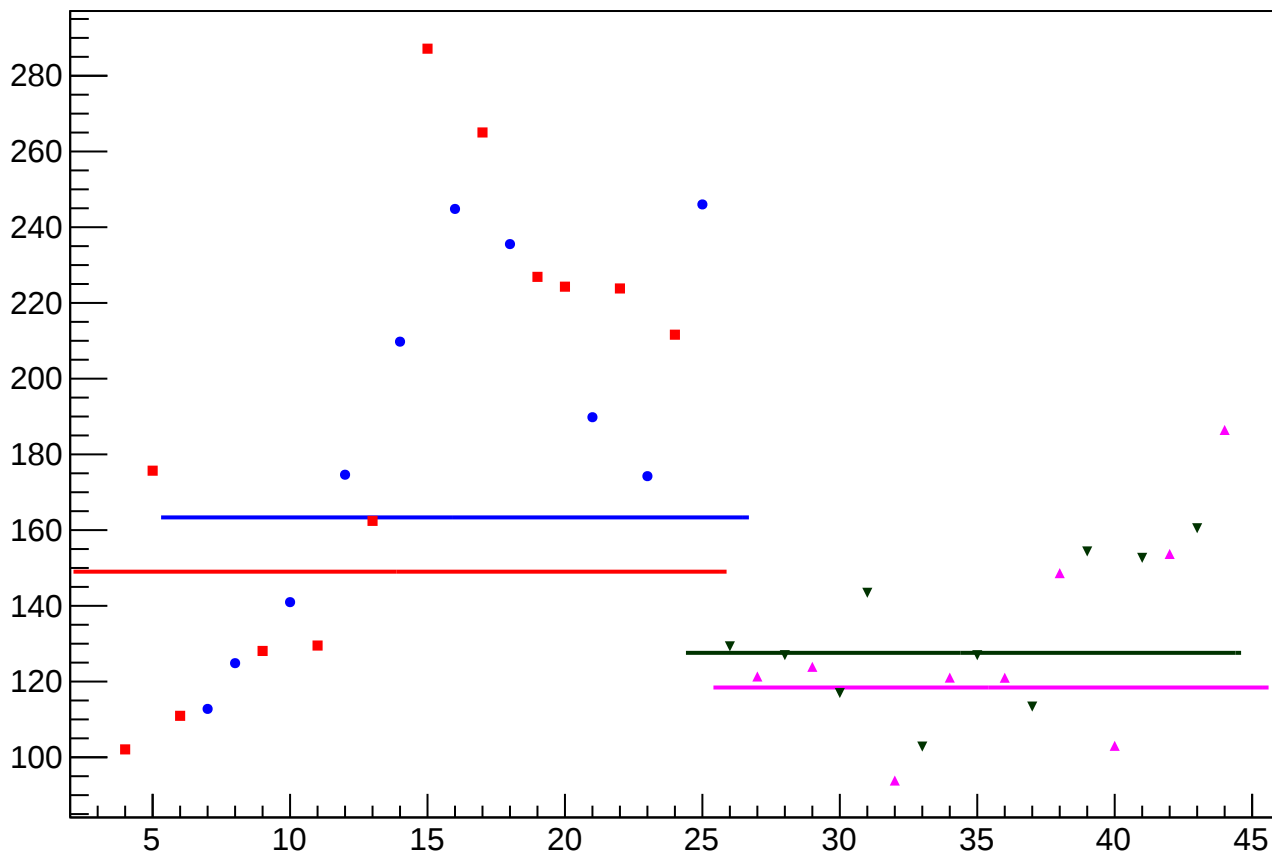
Right Out: 65.954+/-62.568 χ^2/NDF : 1.3/11

Left In: -15.022+/-51.235 χ^2/NDF : 0.9/8

57.667+/-42.919 χ^2/NDF : 9.1/19

17.481+/-39.641 χ^2/NDF : 3.1/20

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs slug



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

Left Out: 127.584+/-0.040 χ^2/NDF :200343.9/9

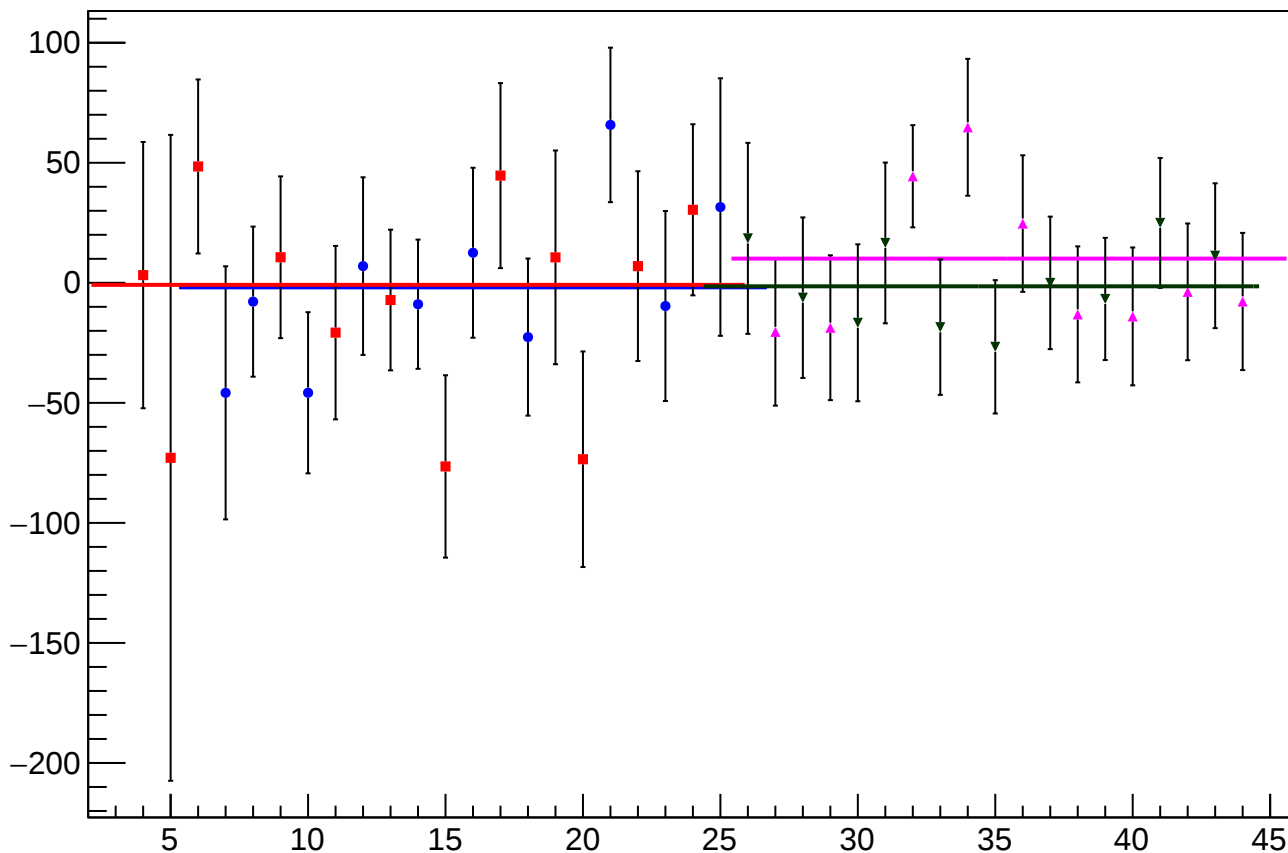
142.279+/-0.030 χ^2/NDF : 1309218.8/19

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

130.709+/-0.028 χ^2/NDF : 1871429.5/20

Left In: 118.429+/-0.036 χ^2/NDF :379567.1/8

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs slug



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

Left Out: -1.457 ± 9.435 χ^2/NDF : 3.1/9

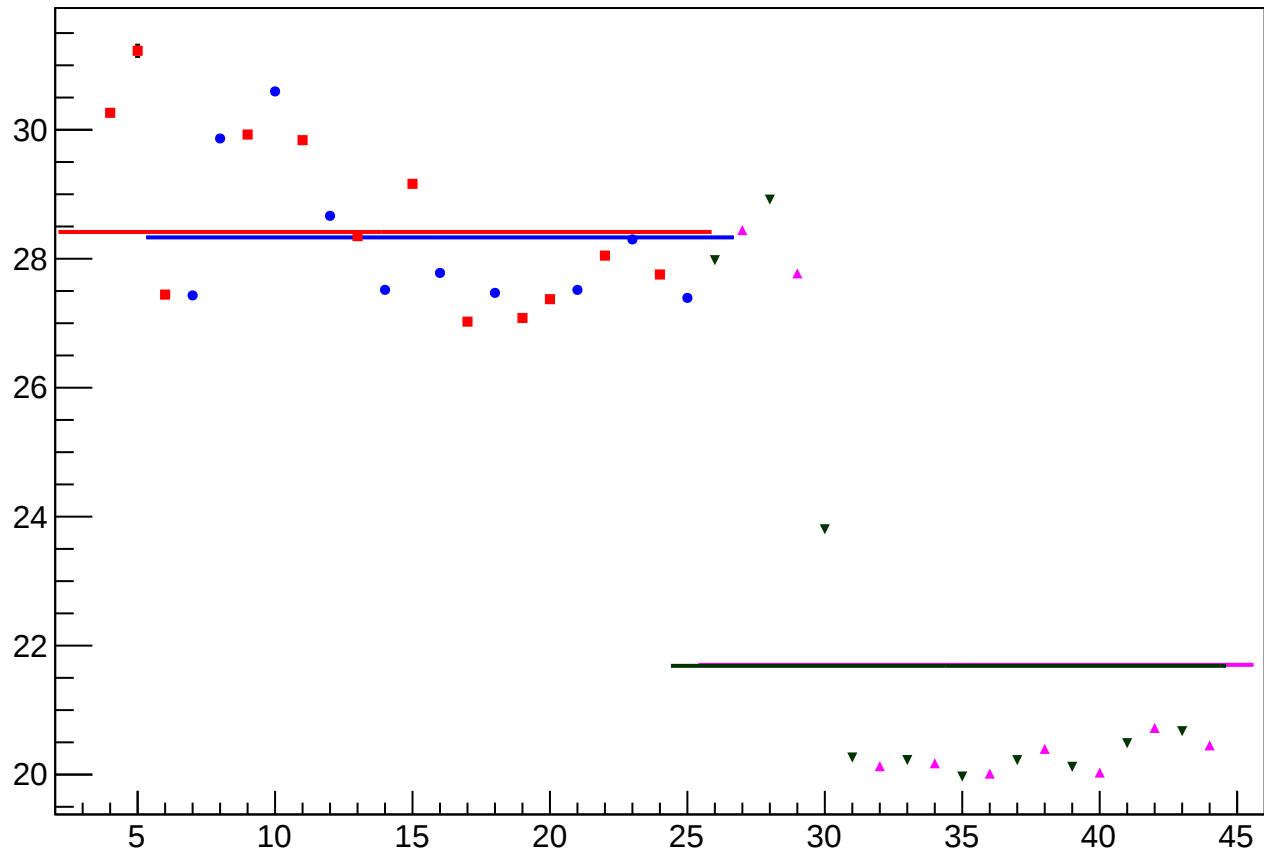
Right Out: -0.853 ± 11.359 χ^2/NDF : 11.5/11

Left In: 10.080 ± 9.225 χ^2/NDF : 10.4/8

-1.634 ± 7.199 χ^2/NDF : 11.1/19

5.735 ± 7.161 χ^2/NDF : 22.5/20

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs slug



Right In: 28.331 $\pm$ 0.008 χ^2 /NDF: 20249.2/9

Left Out: 21.686 $\pm$ 0.007 χ^2 /NDF:187956.4/9

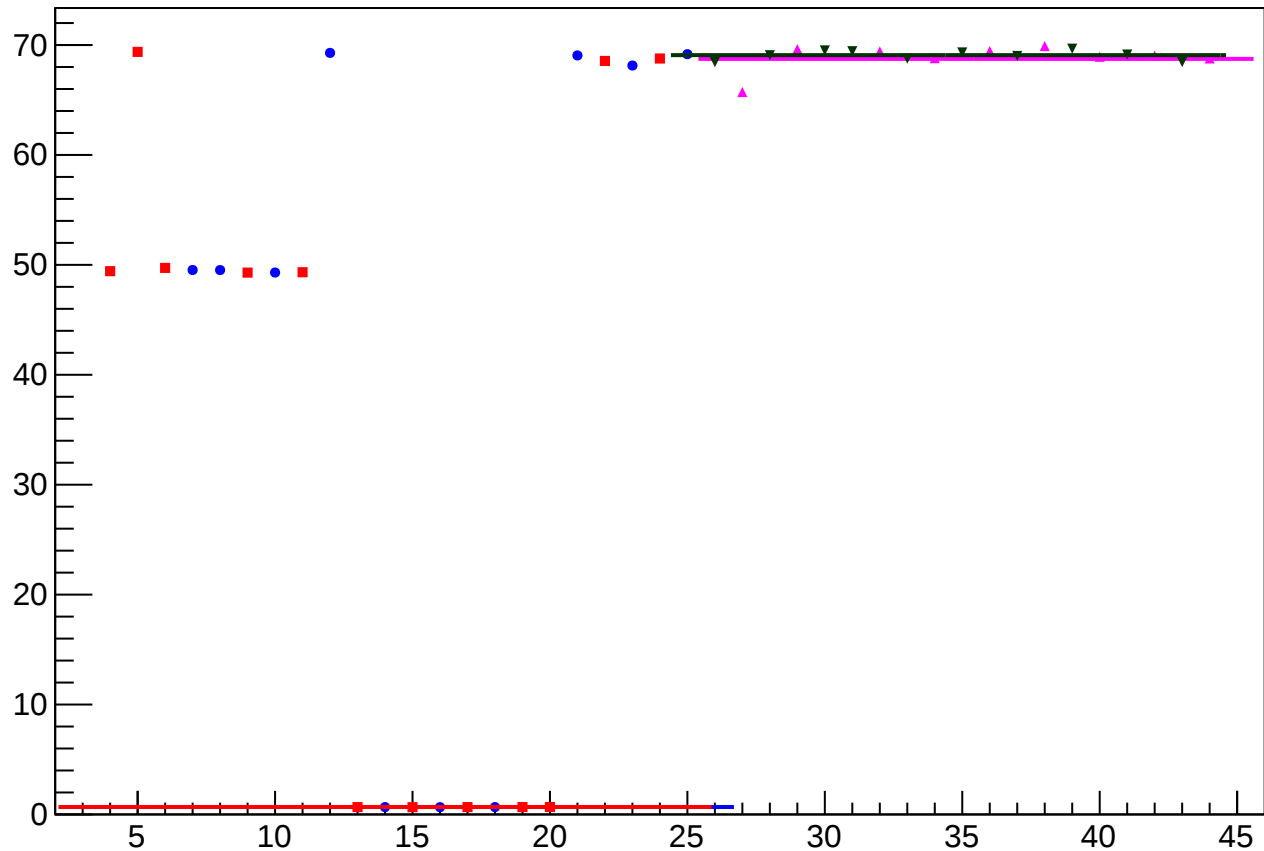
Right Out: 28.415 $\pm$ 0.008 χ^2 /NDF: 18780.8/11

Left In: 21.702 $\pm$ 0.007 χ^2 /NDF:218285.8/8

24.464 $\pm$ 0.005 χ^2 /NDF: 622780.7/19

24.370 $\pm$ 0.005 χ^2 /NDF: 658015.3/20

yield_bcm_an_ds_mean vs slug



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

Left Out: 69.081+/-0.000 χ^2/NDF : 24626539.5/9

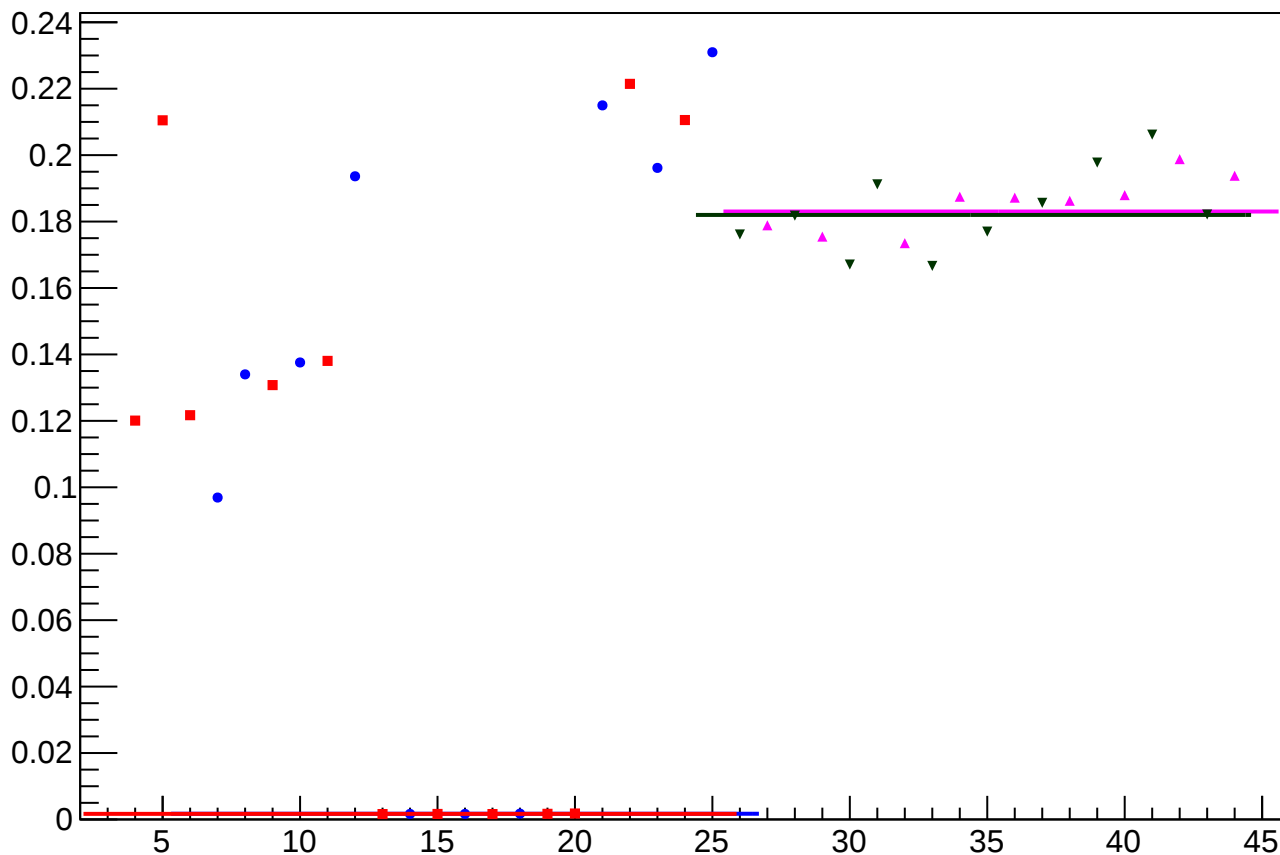
Right Out: 0.677+/-0.000 χ^2/NDF : 436954244556.0/11

Left In: 68.740+/-0.000 χ^2/NDF : 294550476.4/8

0.691+/-0.000 χ^2/NDF : 1222969717667.3/19

0.689+/-0.000 χ^2/NDF : 1187166539776.8/20

yield_bcm_an_ds_rms vs slug



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

Left Out: 0.182+/-0.000 χ^2/NDF :43515.3/9

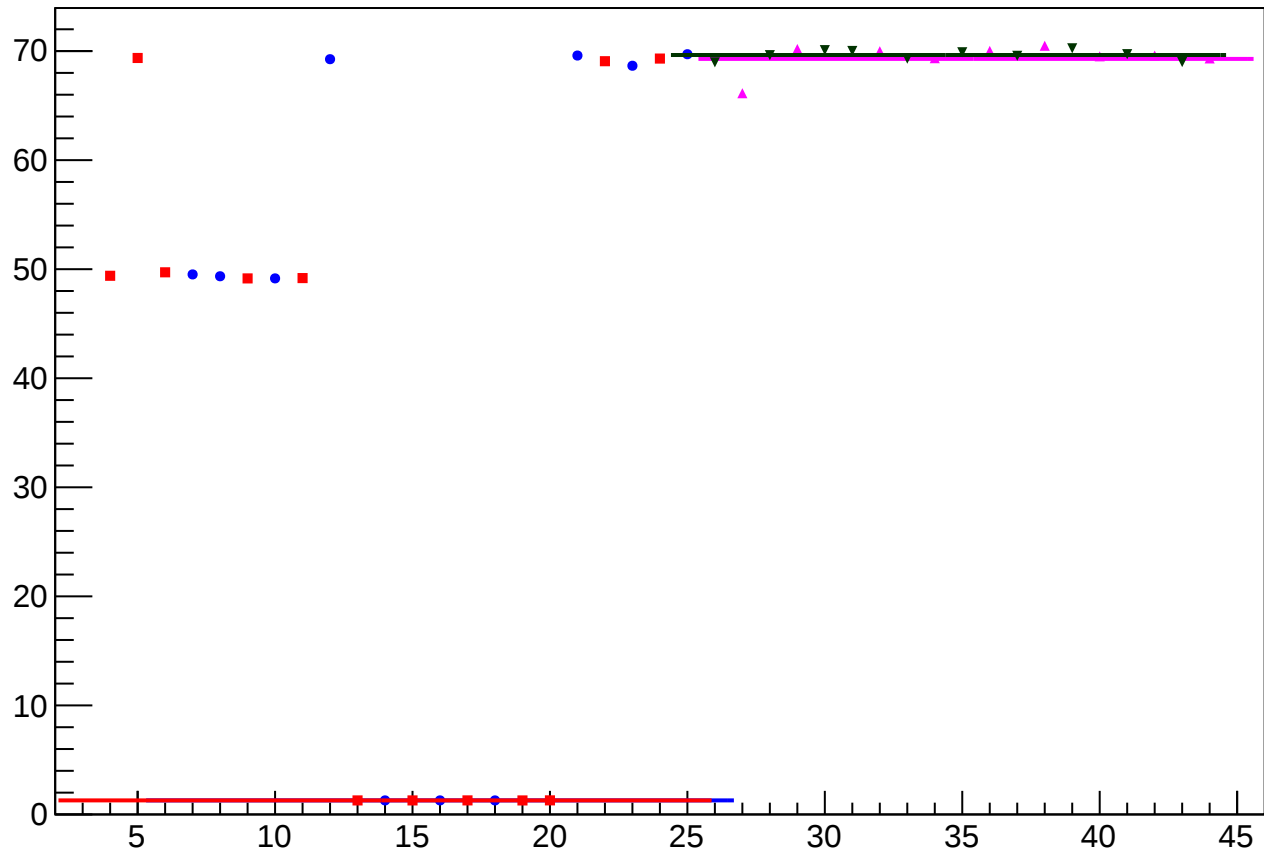
Right Out: 0.002+/-0.000 χ^2/NDF : 6636068.7/11

Left In: 0.183+/-0.000 χ^2/NDF :20451.6/8

0.002+/-0.000 χ^2/NDF : 17802849.5/19

0.002+/-0.000 χ^2/NDF : 17303496.1/20

yield_bcm_an_ds3_mean vs slug



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

Left Out: 69.640+/-0.000 χ^2/NDF : 25576787.7/9

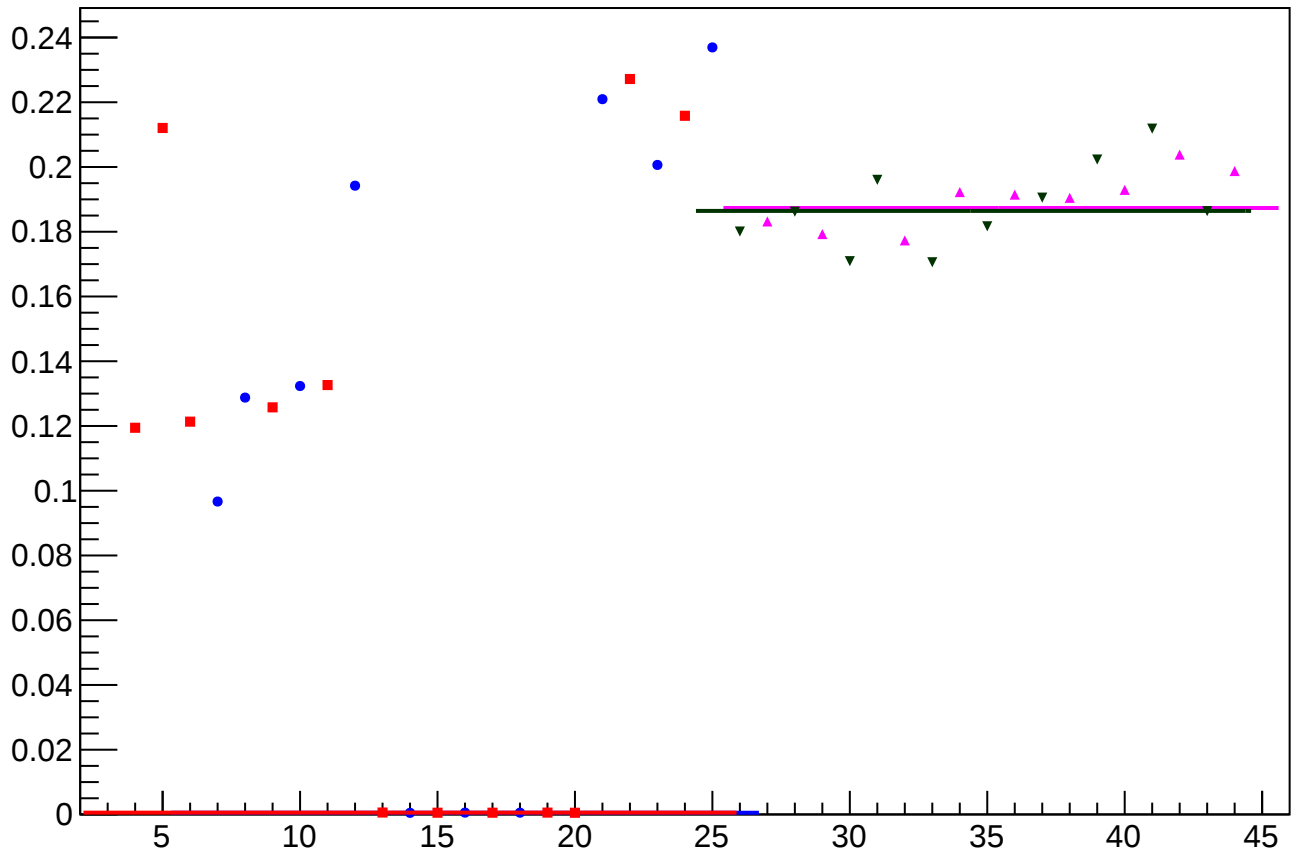
Right Out: 1.289+/-0.000 χ^2/NDF : 437398241389.8/11

Left In: 69.283+/-0.000 χ^2/NDF : 304578930.7/8

1.291+/-0.000 χ^2/NDF : 1186642506281.0/19

1.291+/-0.000 χ^2/NDF : 1151926879684.4/20

yield_bcm_an_ds3_rms vs slug



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

Left Out: 0.186+/-0.000 χ^2/NDF : 44561.5/9

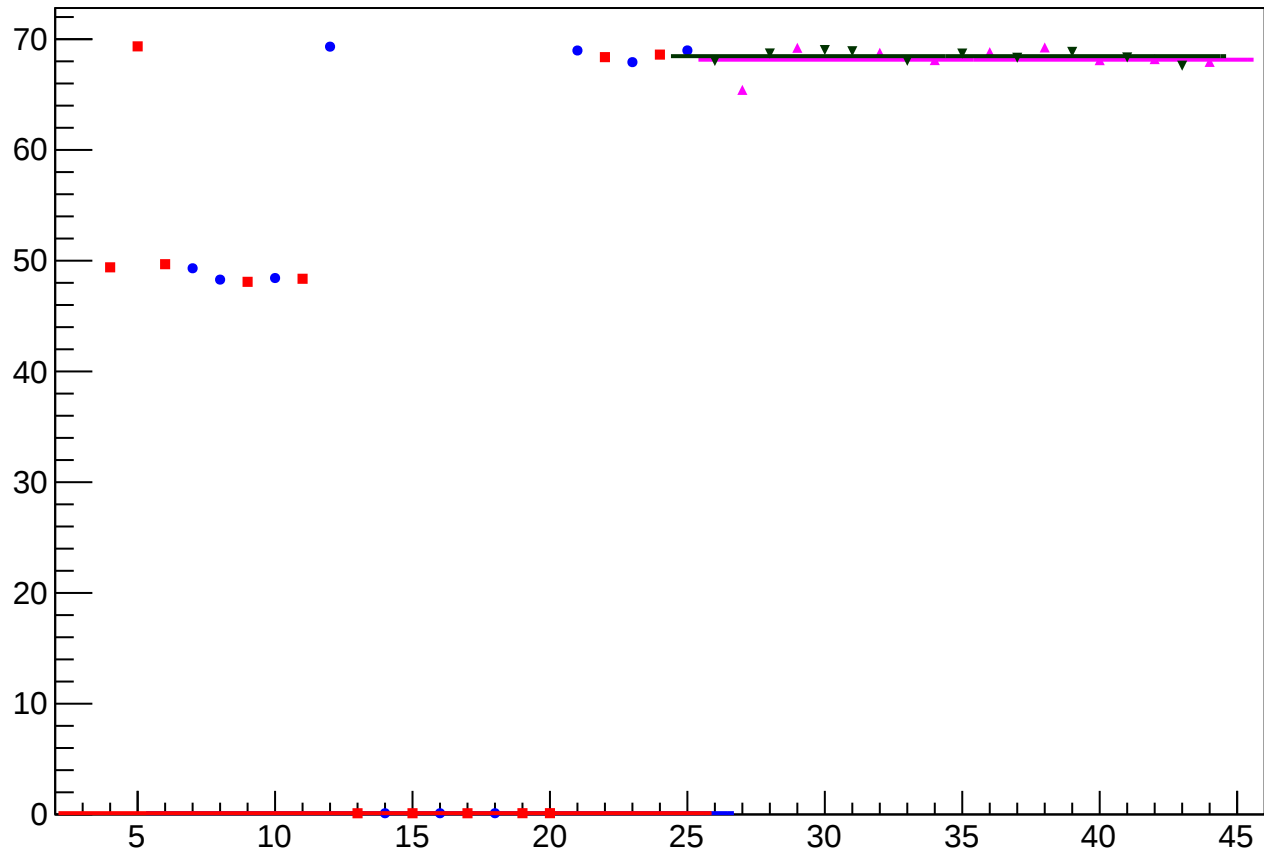
0.001+/-0.000 χ^2/NDF : 18068748.3/19

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

0.001+/-0.000 χ^2/NDF : 17542176.6/20

Left In: 0.187+/-0.000 χ^2/NDF : 21623.6/8

yield_bcm_an_us_mean vs slug



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

Left Out: 68.467+/-0.000 χ^2/NDF : 29247560.9/9

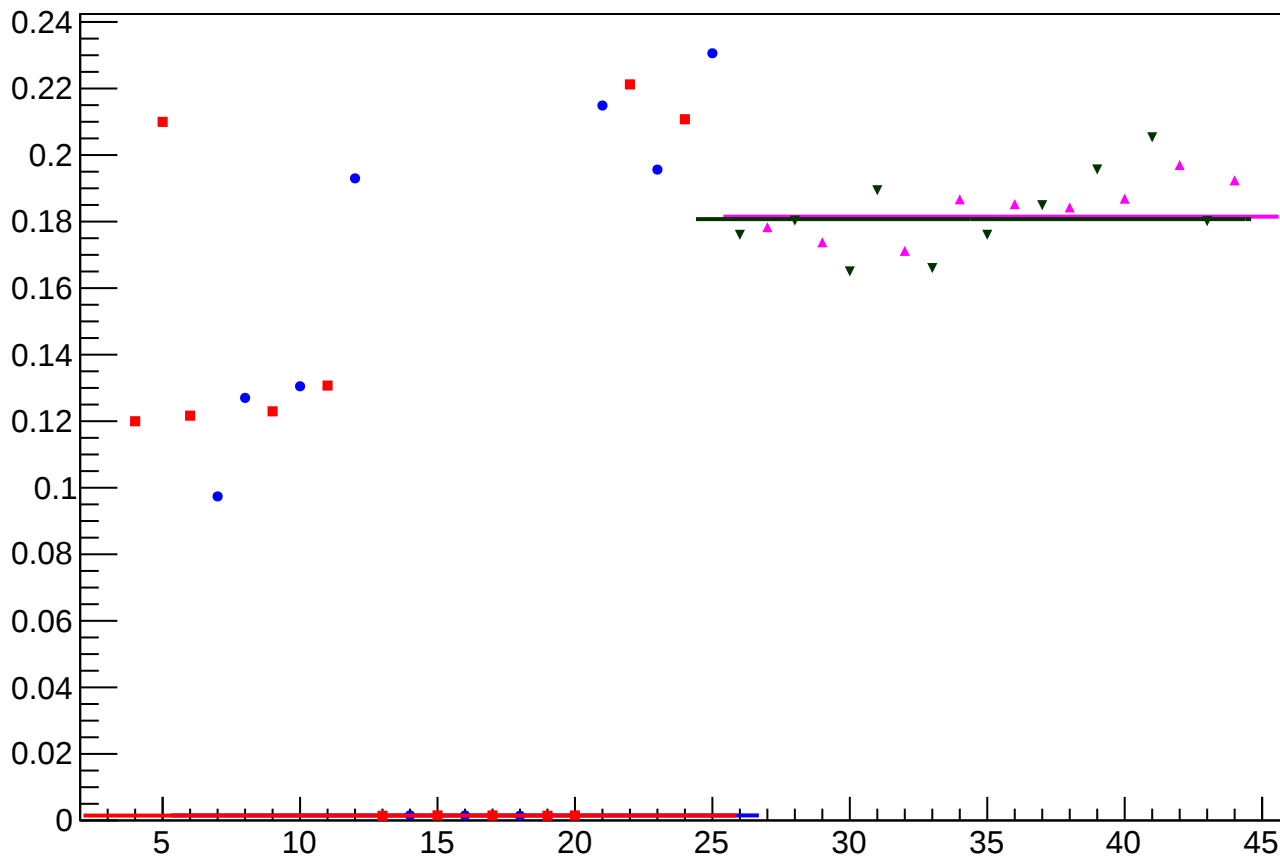
0.129+/-0.000 χ^2/NDF : 1252791411996.4/19

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

0.126+/-0.000 χ^2/NDF : 1221260730064.0/20

Left In: 68.148+/-0.000 χ^2/NDF : 258150301.2/8

yield_bcm_an_us_rms vs slug



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

Left Out: 0.181 $\pm$ 0.000 χ^2 /NDF:43552.7/9

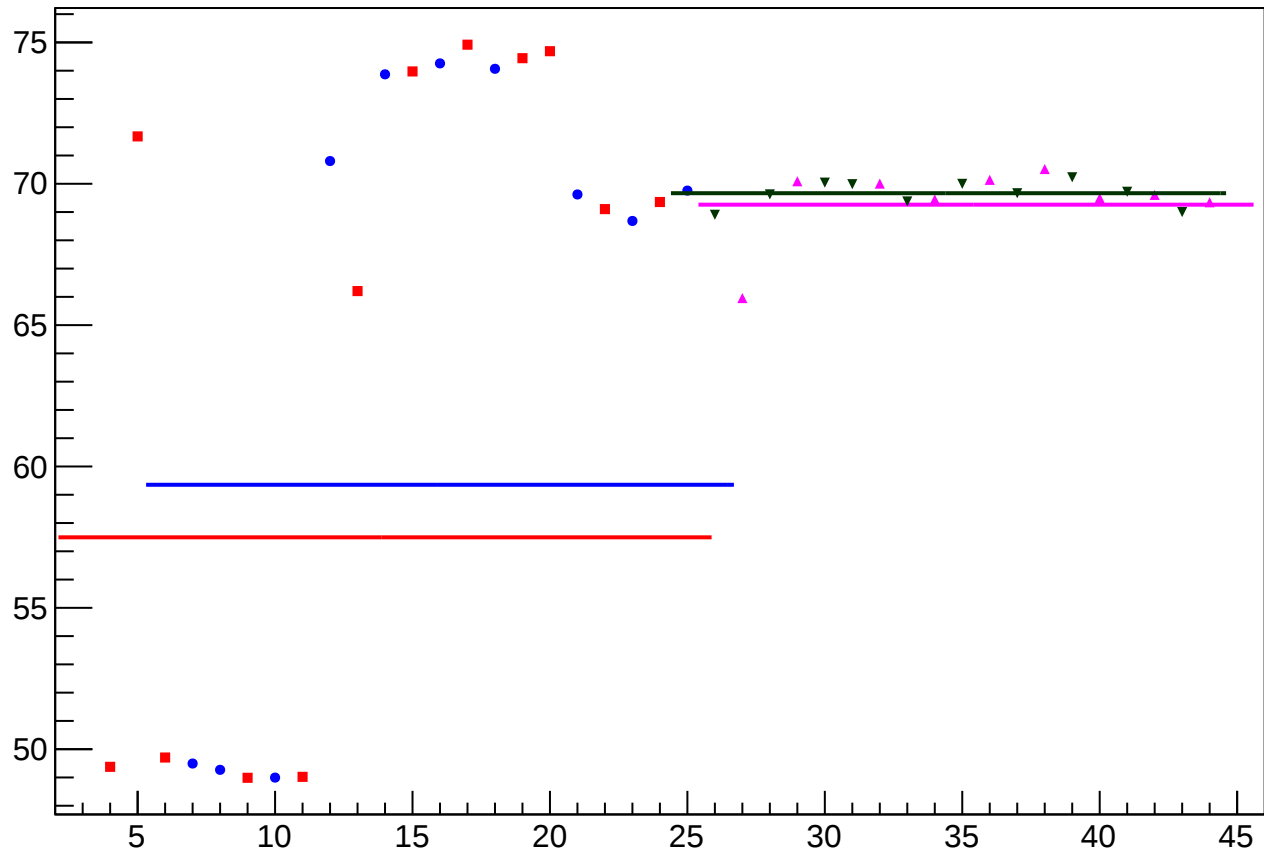
Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 6649150.6/11

Left In: 0.181 $\pm$ 0.000 χ^2 /NDF:21535.2/8

0.002 $\pm$ 0.000 χ^2 /NDF: 17816610.2/19

0.001 $\pm$ 0.000 χ^2 /NDF: 17337221.0/20

yield_bcm_dg_us_mean vs slug



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

Left Out: 69.667+/-0.000 χ^2/NDF : 24128815.3/9

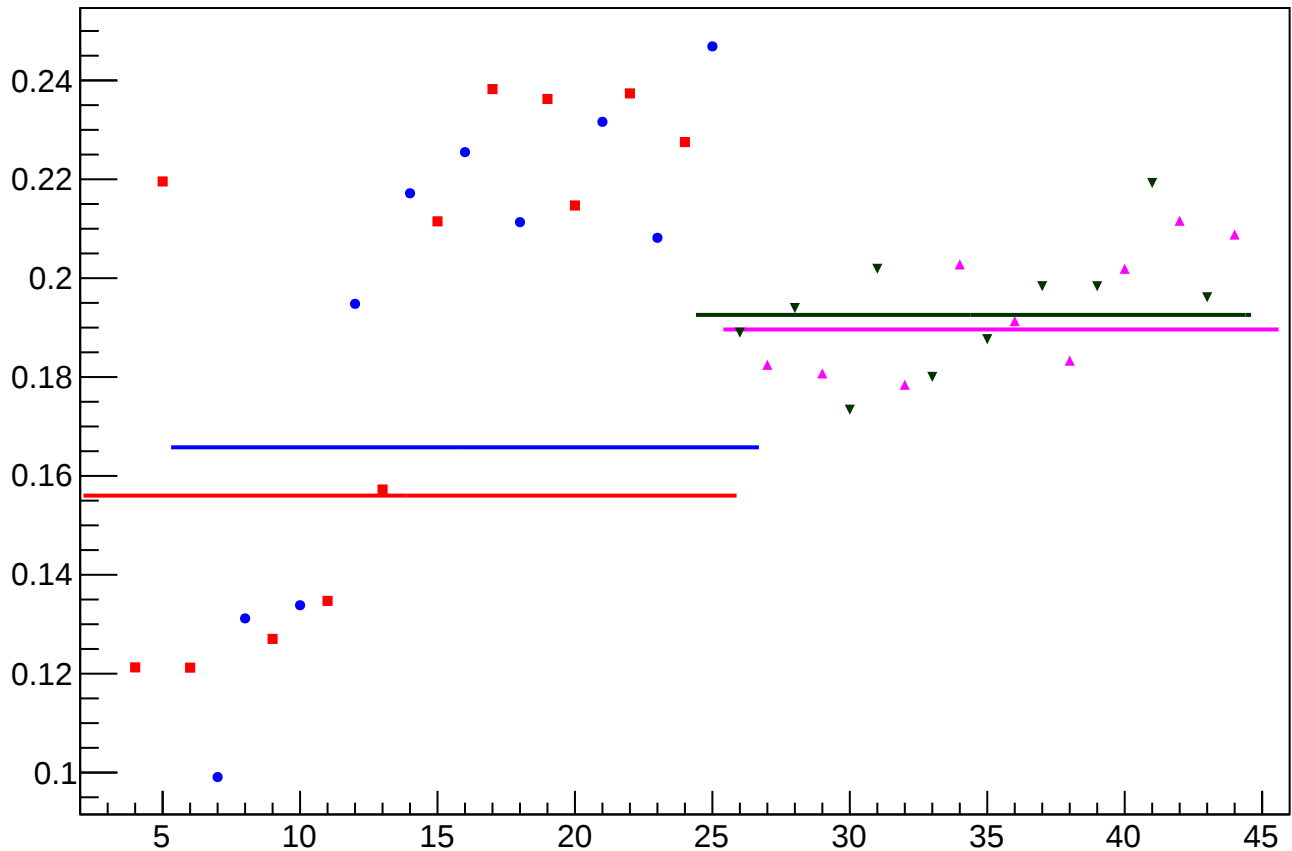
63.484+/-0.000 χ^2/NDF : 36100307620.2/19

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

62.171+/-0.000 χ^2/NDF : 38184273749.2/20

Left In: 69.261+/-0.000 χ^2/NDF : 334097466.4/8

yield_bcm_dg_us_rms vs slug



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

Left Out: 0.193+/-0.000 χ^2/NDF : 38713.5/9

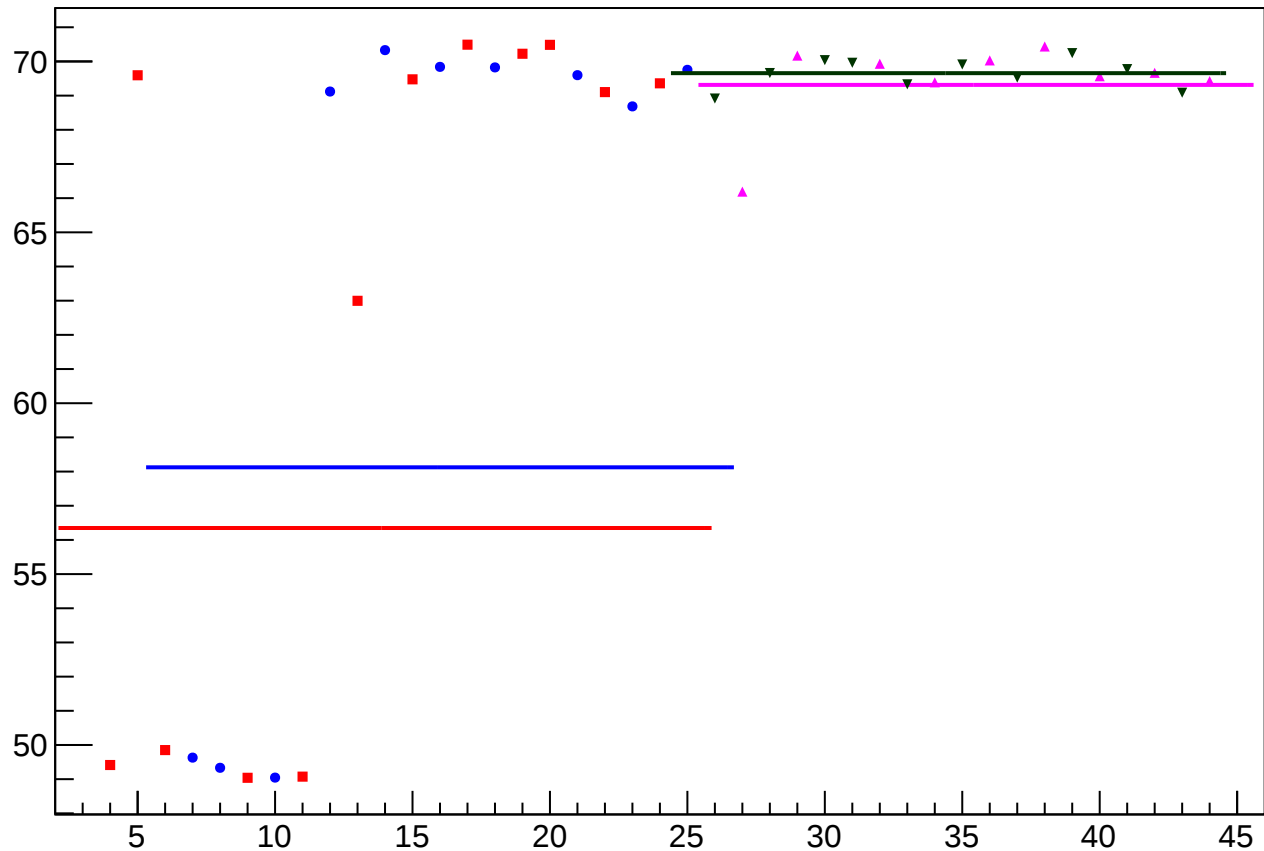
0.177+/-0.000 χ^2/NDF : 1071719.6/19

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

0.169+/-0.000 χ^2/NDF : 1074393.7/20

Left In: 0.190+/-0.000 χ^2/NDF : 41377.7/8

yield_bcm_dg_ds_mean vs slug



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

Left Out: 69.657+/-0.000 χ^2/NDF : 23922100.2/9

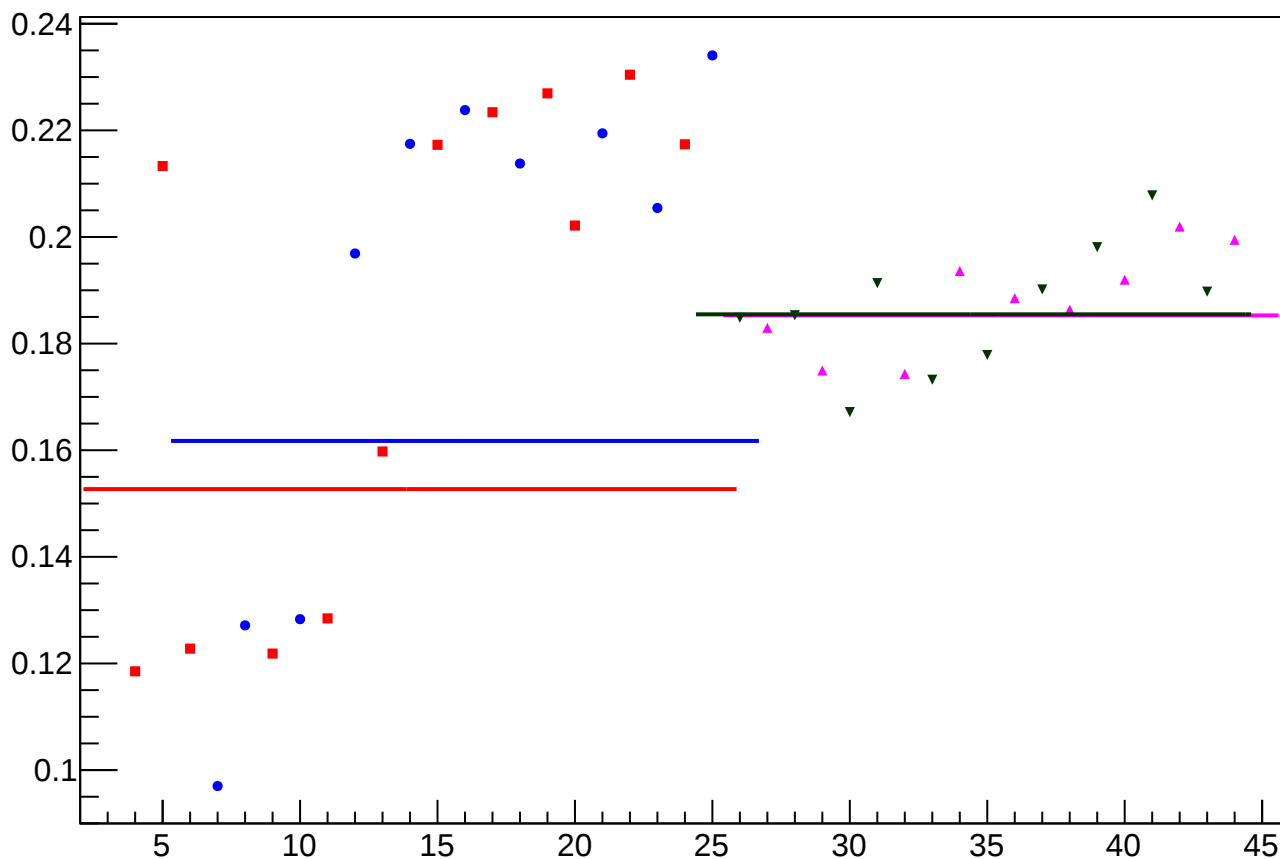
62.825+/-0.000 χ^2/NDF : 34142512514.7/19

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

61.521+/-0.000 χ^2/NDF : 36000165880.7/20

Left In: 69.314+/-0.000 χ^2/NDF : 295096532.4/8

yield_bcm_dg_ds_rms vs slug



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

Left Out: 0.185+/-0.000 χ^2/NDF : 38669.2/9

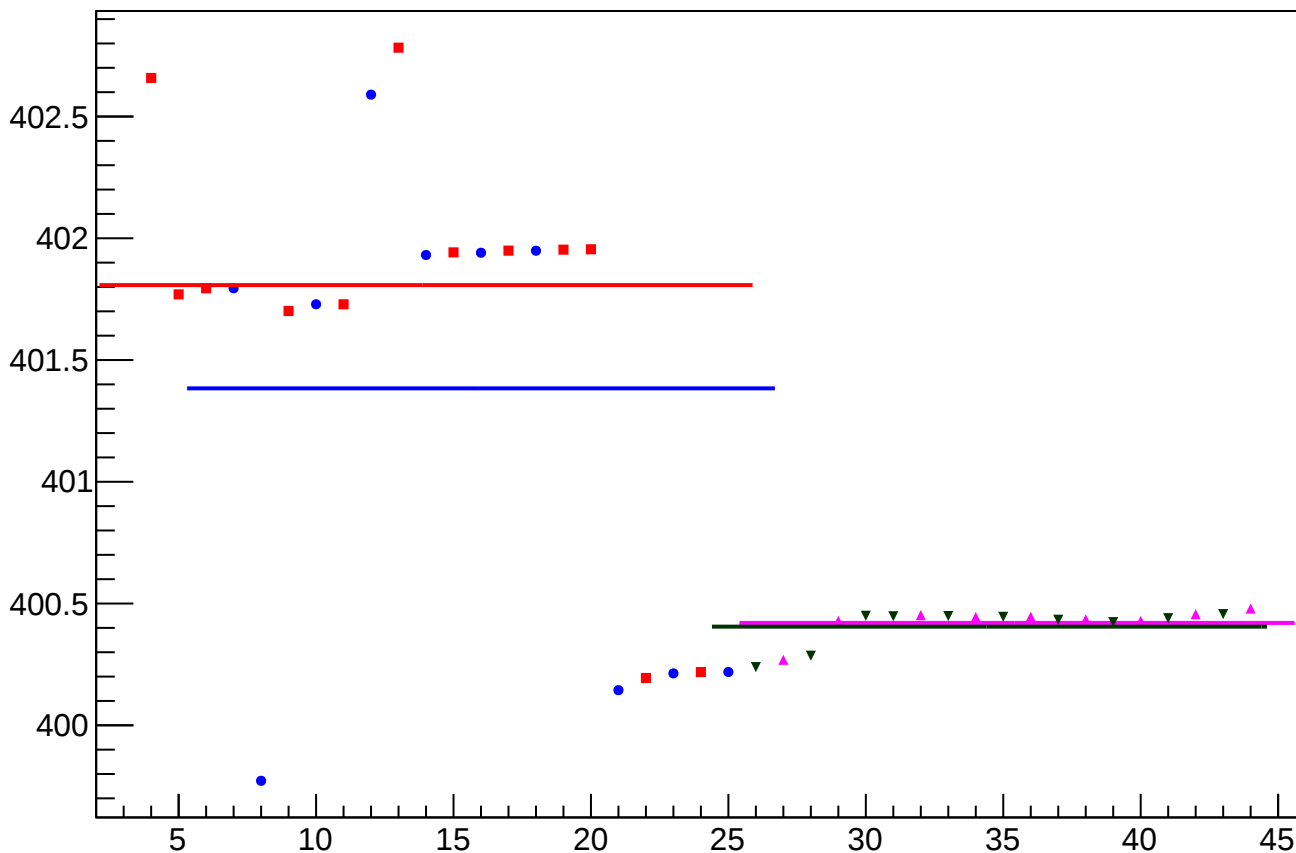
Right Out: 0.153+/-0.000 χ^2/NDF : 810658.6/11

Left In: 0.185+/-0.000 χ^2/NDF : 27905.0/8

0.171+/-0.000 χ^2/NDF : 1111362.2/19

0.166+/-0.000 χ^2/NDF : 1039842.9/20

yield_cav4bQ_mean vs slug



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

Left Out: 400.405+/-0.000 χ^2/NDF : 614198257.0/9

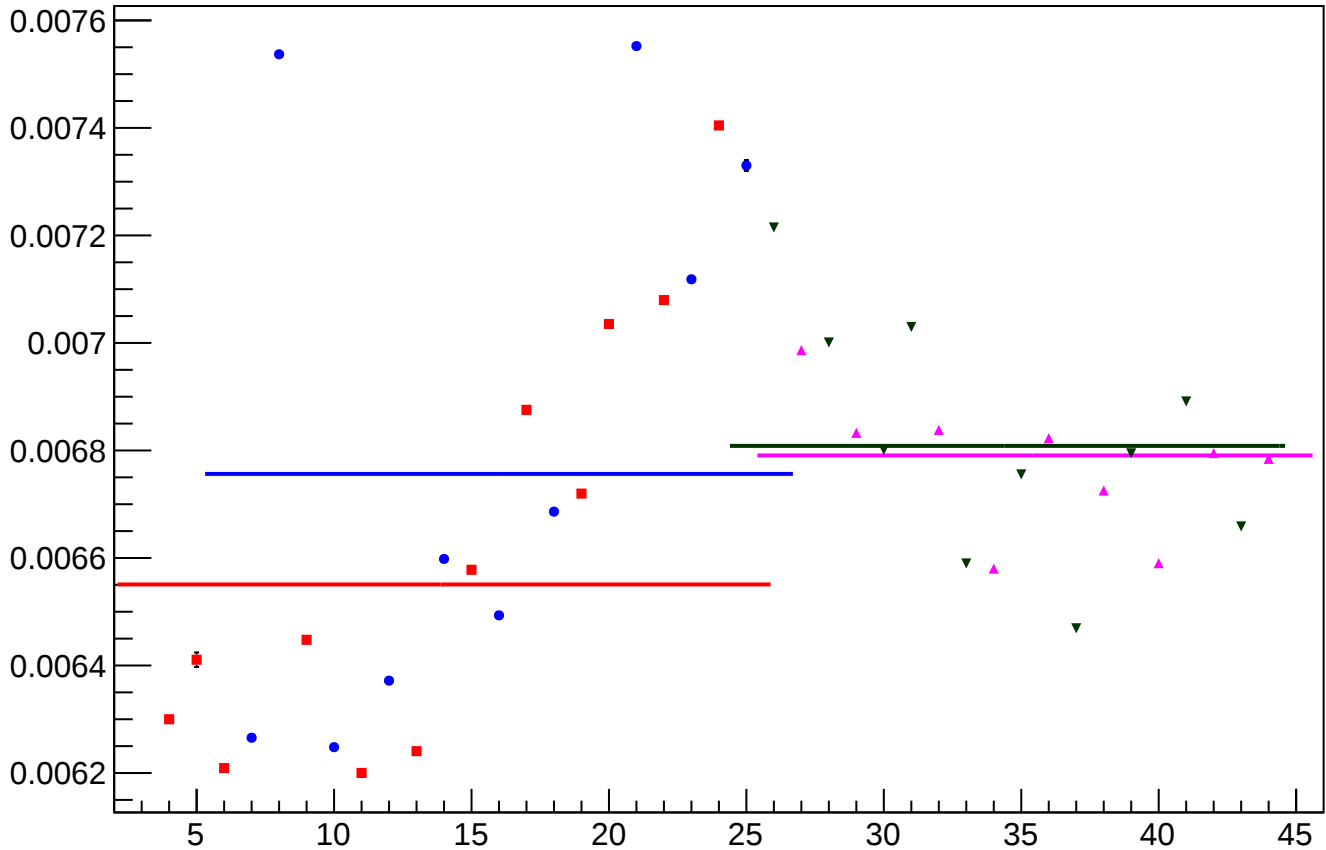
Right Out: 401.808+/-0.000 χ^2/NDF : 85007940378.6/11

Left In: 400.420+/-0.000 χ^2/NDF : 493859422.0/8

400.941+/-0.000 χ^2/NDF : 183938945659.2/19

401.181+/-0.000 χ^2/NDF : 214611072433.6/20

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 : 9783.1/9

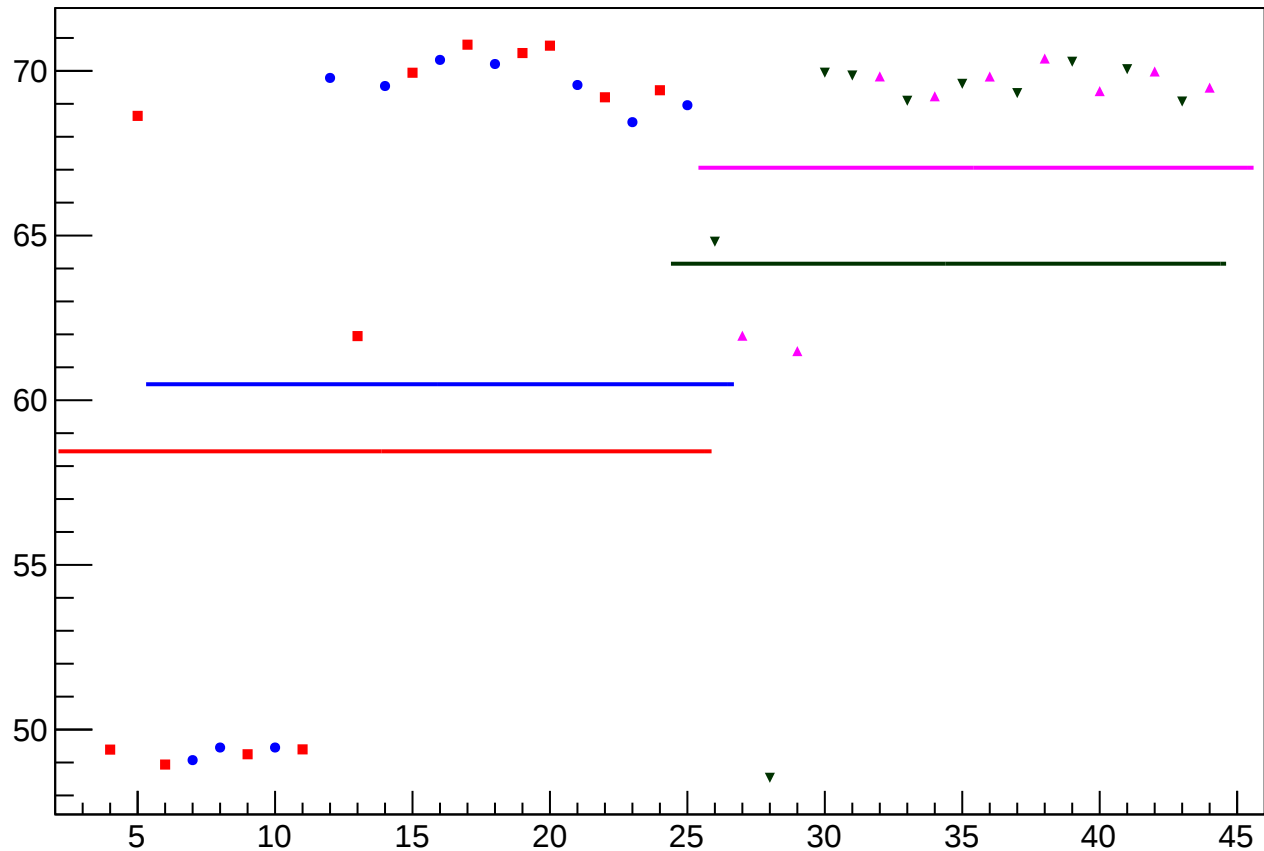
Right Out: 0.007+/-0.000 χ^2/NDF : 42109.3/11

Left In: 0.007+/-0.000 χ^2/NDF : 3544.3/8

0.007+/-0.000 χ^2/NDF : 73112.1/19

0.007+/-0.000 χ^2/NDF : 53382.8/20

yield_cav4cQ_mean vs slug



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

Left Out: 64.145+/-0.000 χ^2/NDF : 8533420736.0/9

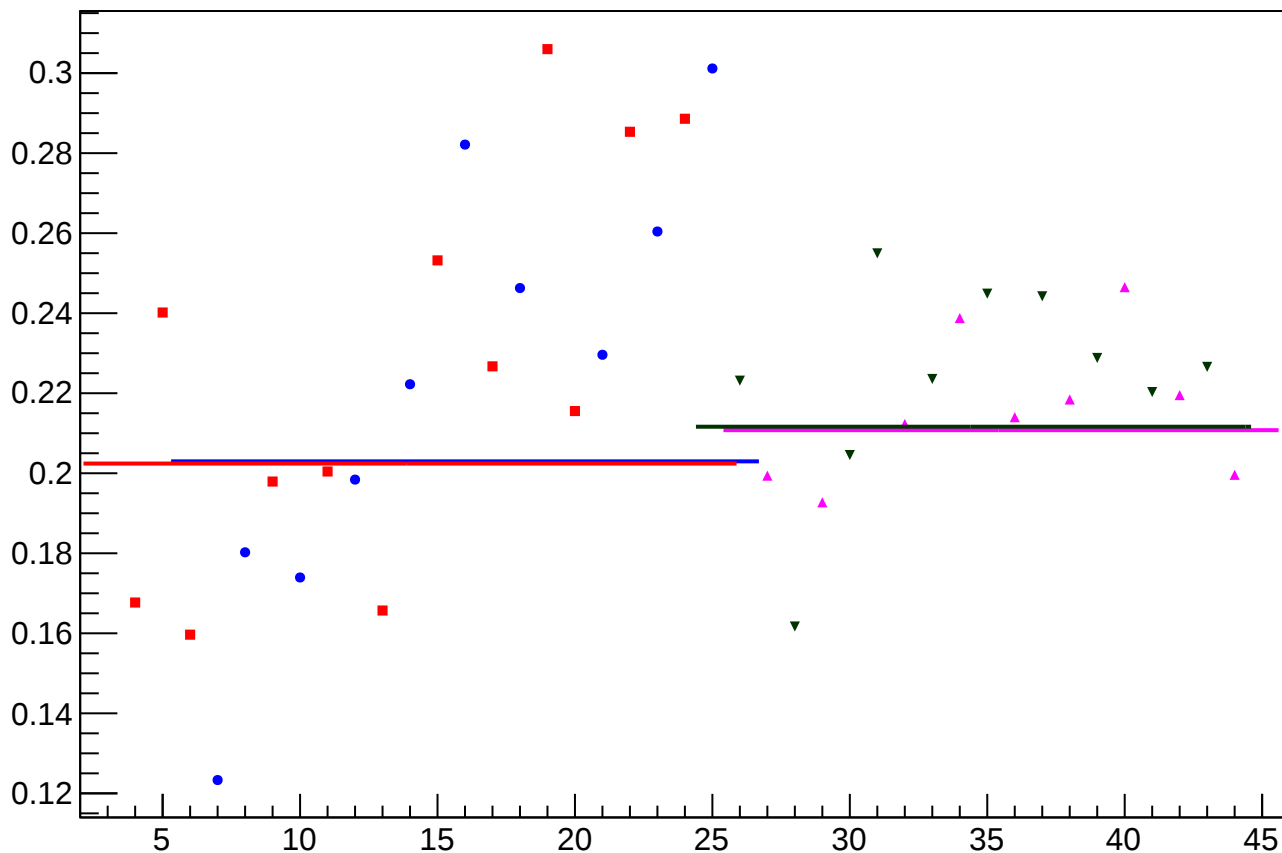
Right Out: 58.449+/-0.000 χ^2/NDF : 11367122273.9/11

Left In: 67.060+/-0.000 χ^2/NDF : 1652898078.7/8

62.089+/-0.000 χ^2/NDF : 23276832348.1/19

62.483+/-0.000 χ^2/NDF : 17514413635.6/20

yield_cav4cQ_rms vs slug



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

Left Out: 0.212 $\pm$ 0.000 χ^2/NDF : 201414.9/9

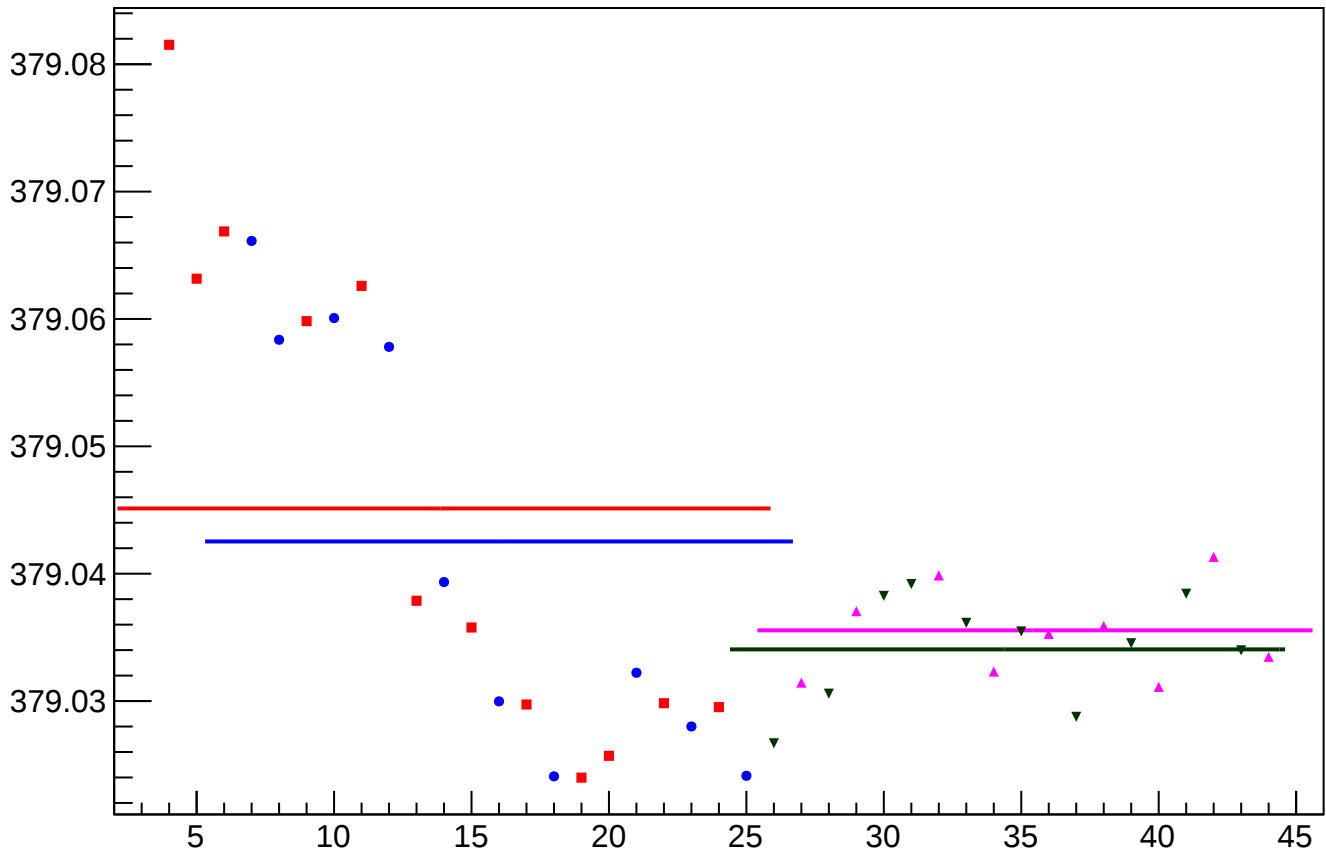
Right Out: 0.202 $\pm$ 0.000 χ^2/NDF : 477643.7/11

Left In: 0.211 $\pm$ 0.000 χ^2/NDF : 54593.1/8

0.207 $\pm$ 0.000 χ^2/NDF : 719776.8/19

0.206 $\pm$ 0.000 χ^2/NDF : 540674.0/20

yield_cav4dQ_mean vs slug



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

Left Out: 379.034+/-0.000 χ^2/NDF :1785889.4/9

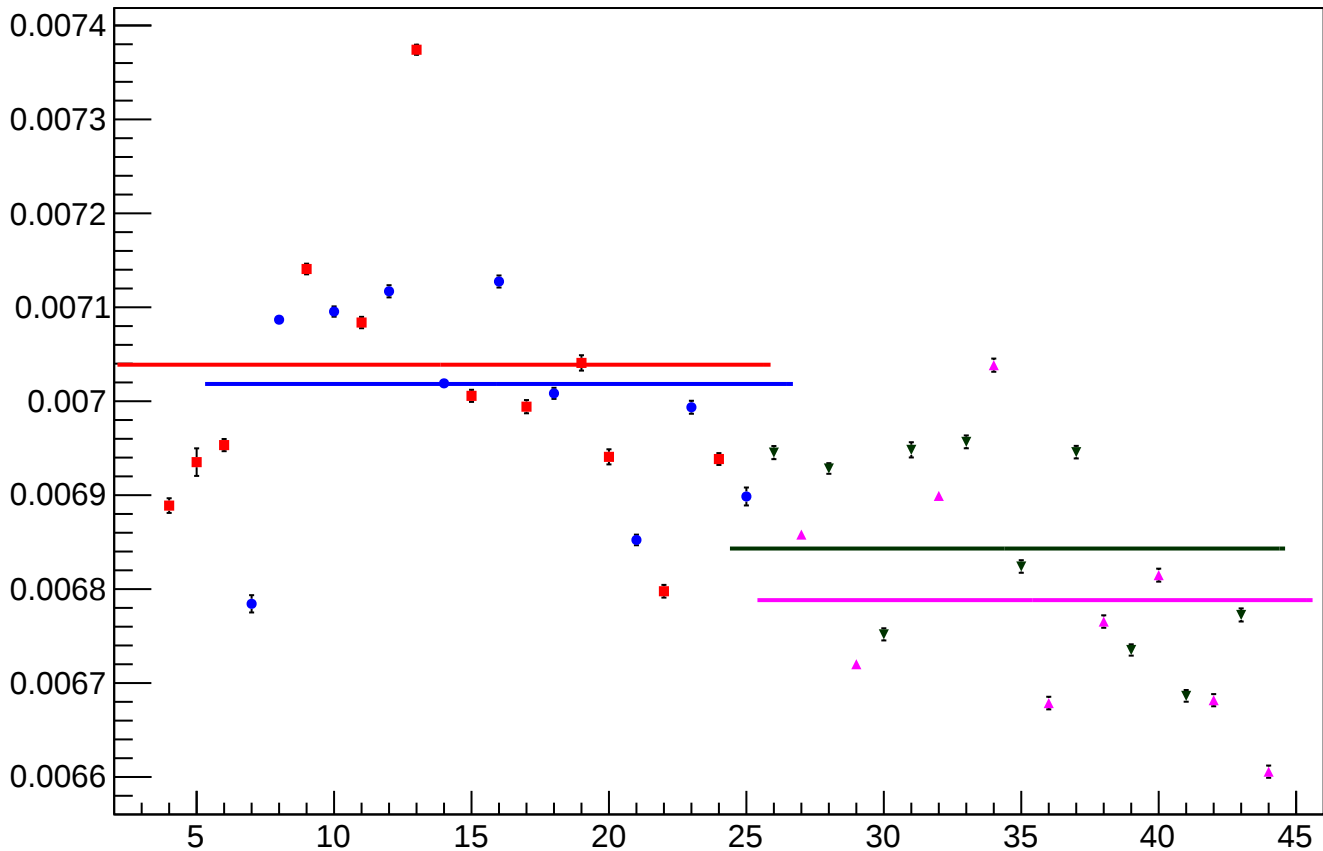
379.039+/-0.000 χ^2/NDF : 34629094.4/19

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

379.040+/-0.000 χ^2/NDF : 48149907.4/20

Left In: 379.036+/-0.000 χ^2/NDF :1460266.1/8

yield_cav4dQ_rms vs slug



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

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:2379.4/9

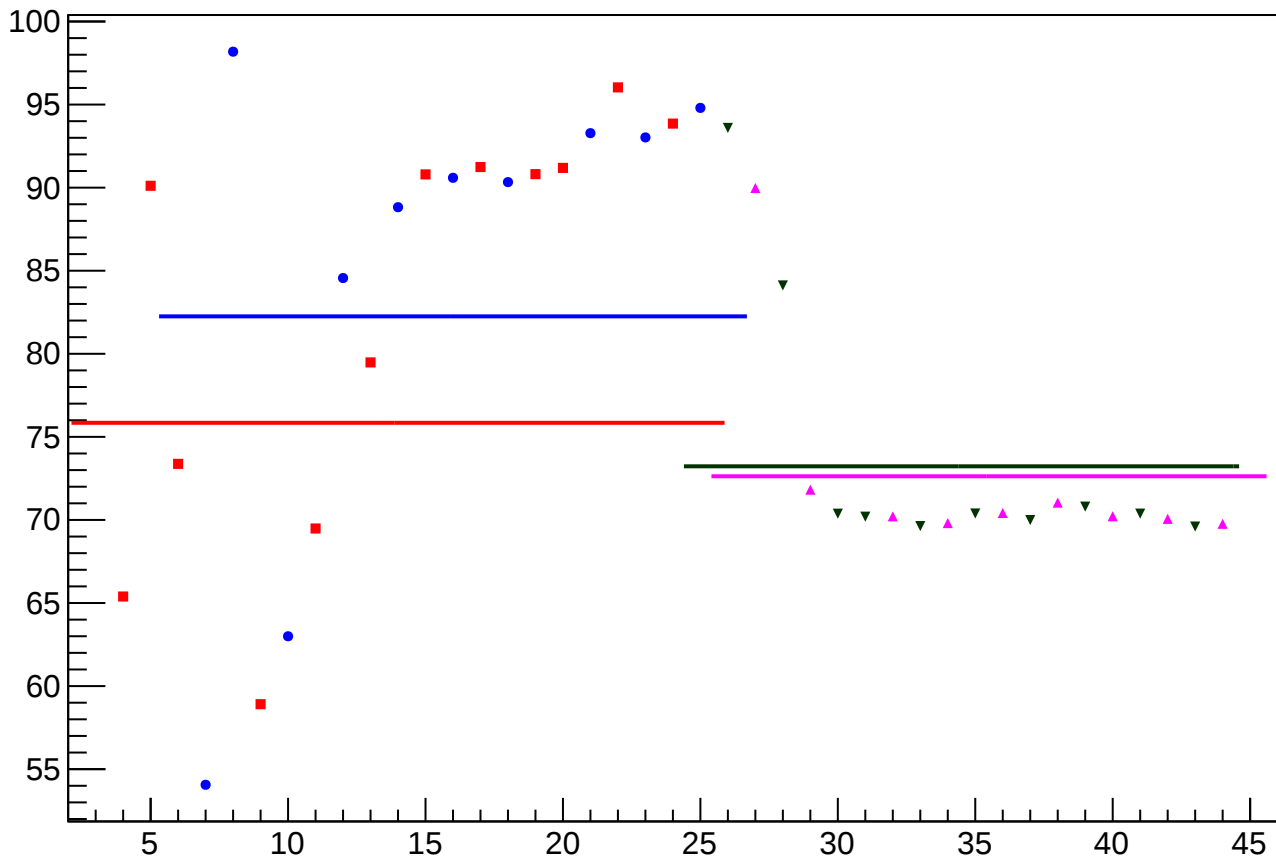
Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 6581.5/11

Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:3429.2/8

0.007 $\pm$ 0.000 χ^2 /NDF: 8715.5/19

0.007 $\pm$ 0.000 χ^2 /NDF: 17919.9/20

yield_bcm0l02_mean vs slug



Right In: 82.252 $\pm$ 0.000 χ^2 /NDF: 15262784556.8/9

Left Out: 73.228 $\pm$ 0.000 χ^2 /NDF: 3731942896.0/9

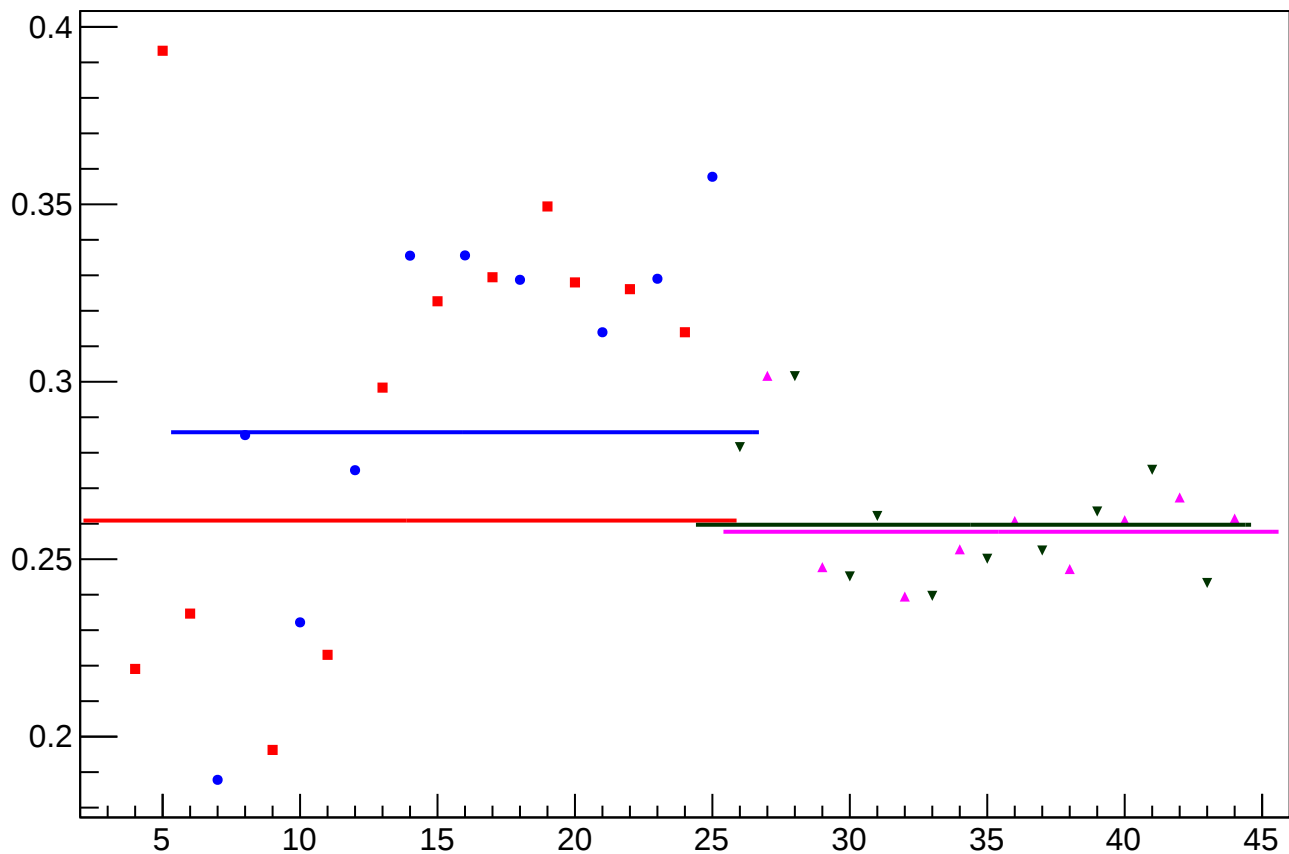
Right Out: 75.847 $\pm$ 0.000 χ^2 /NDF: 13482783083.5/11

Left In: 72.628 $\pm$ 0.000 χ^2 /NDF: 2928852368.6/8

77.606 $\pm$ 0.000 χ^2 /NDF: 21885238168.6/19

74.237 $\pm$ 0.000 χ^2 /NDF: 16820864258.1/20

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 : 47918.7/9

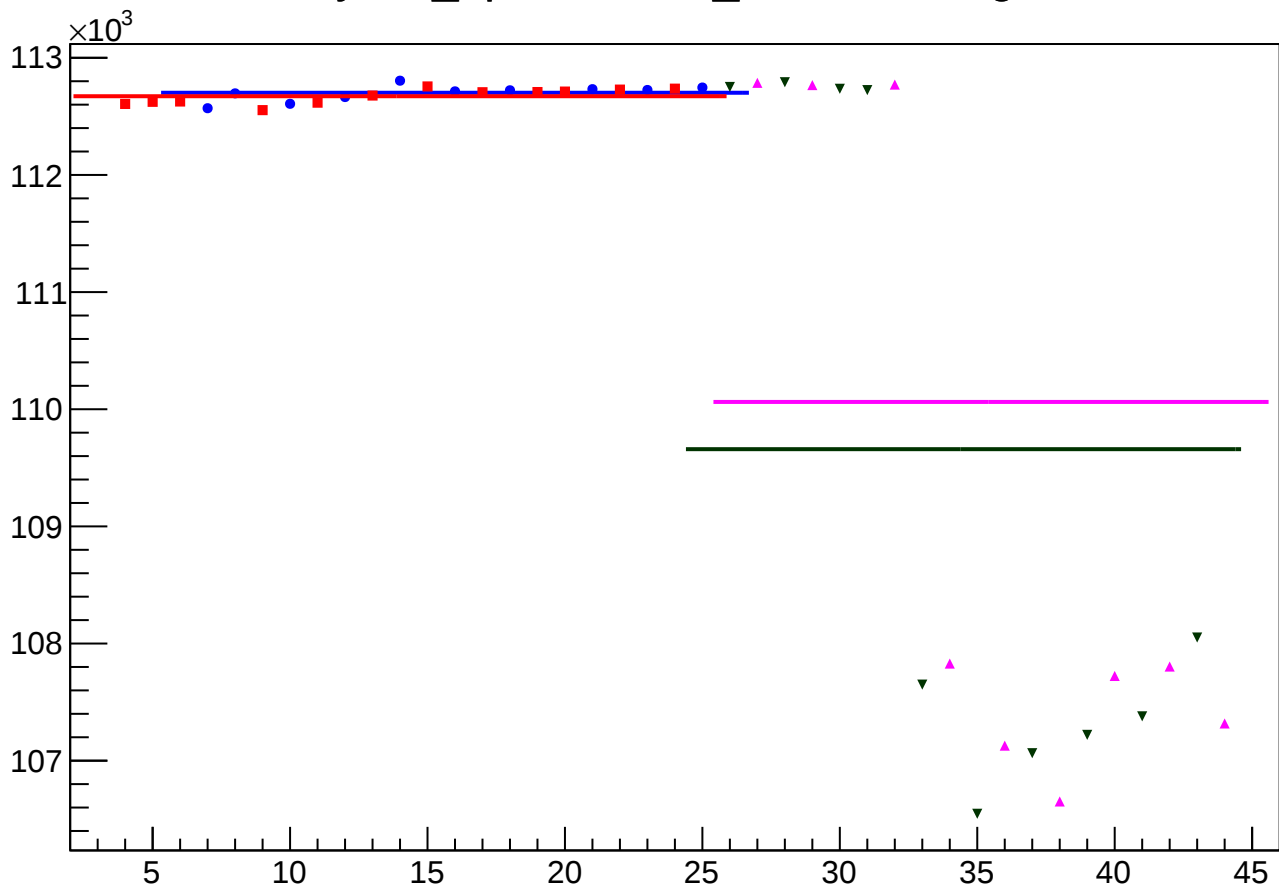
Right Out: 0.261+/-0.000 χ^2/NDF : 481520.7/11

Left In: 0.258+/-0.000 χ^2/NDF : 49167.8/8

0.272+/-0.000 χ^2/NDF : 440493.1/19

0.259+/-0.000 χ^2/NDF : 531474.4/20

yield_bpm2i01WS_mean vs slug



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

Left Out: 109659.144 $\pm$ 0.053 χ^2 /NDF: 2686861752.7/9

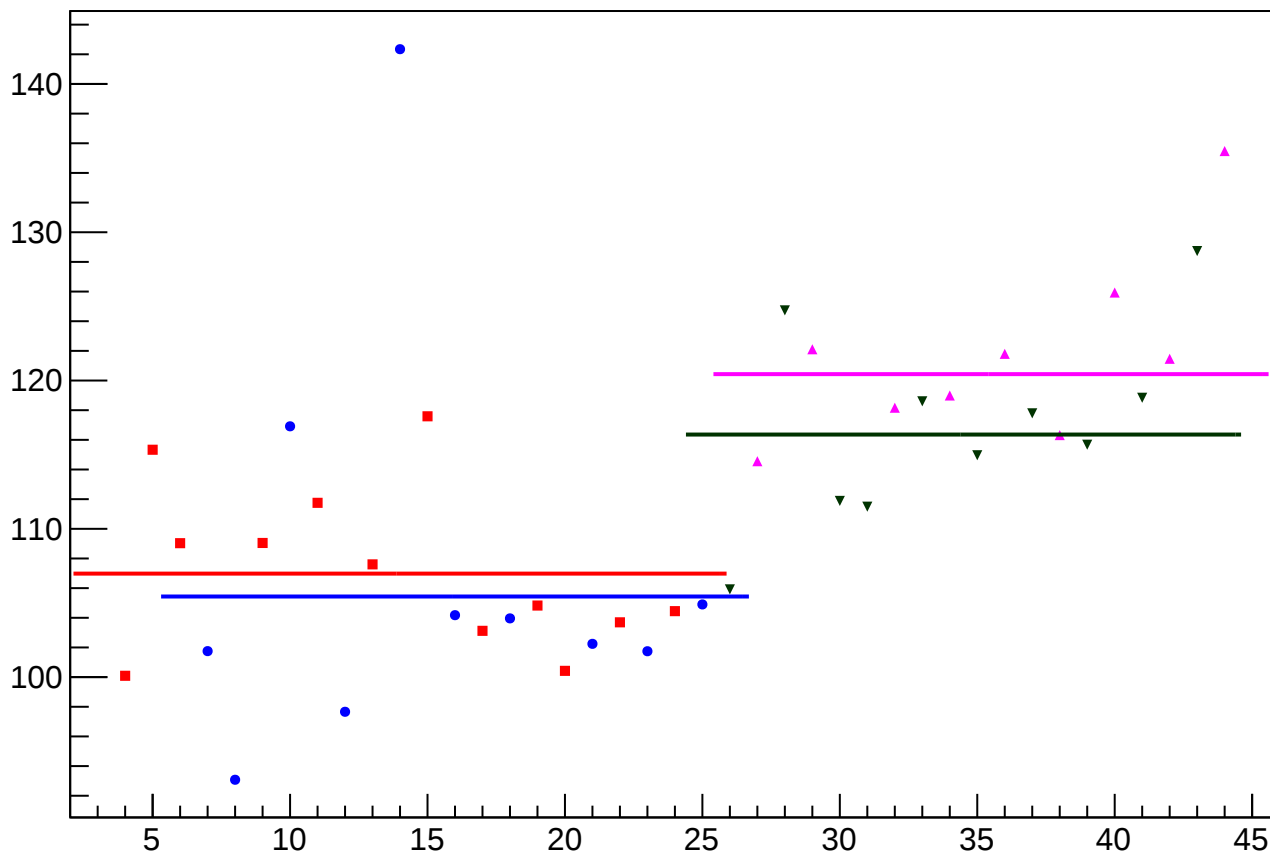
Right Out: 112671.936 $\pm$ 0.043 χ^2 /NDF: 2021453.7/11

Left In: 110062.356 $\pm$ 0.053 χ^2 /NDF: 2589754971.8/8

111507.186 $\pm$ 0.033 χ^2 /NDF: 4703489348.8/19

111629.864 $\pm$ 0.034 χ^2 /NDF: 4033450167.7/20

yield_bpm2i01WS_rms vs slug



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

Left Out: 116.357 $\pm$ 0.037 χ^2 /NDF: 26817.0/9

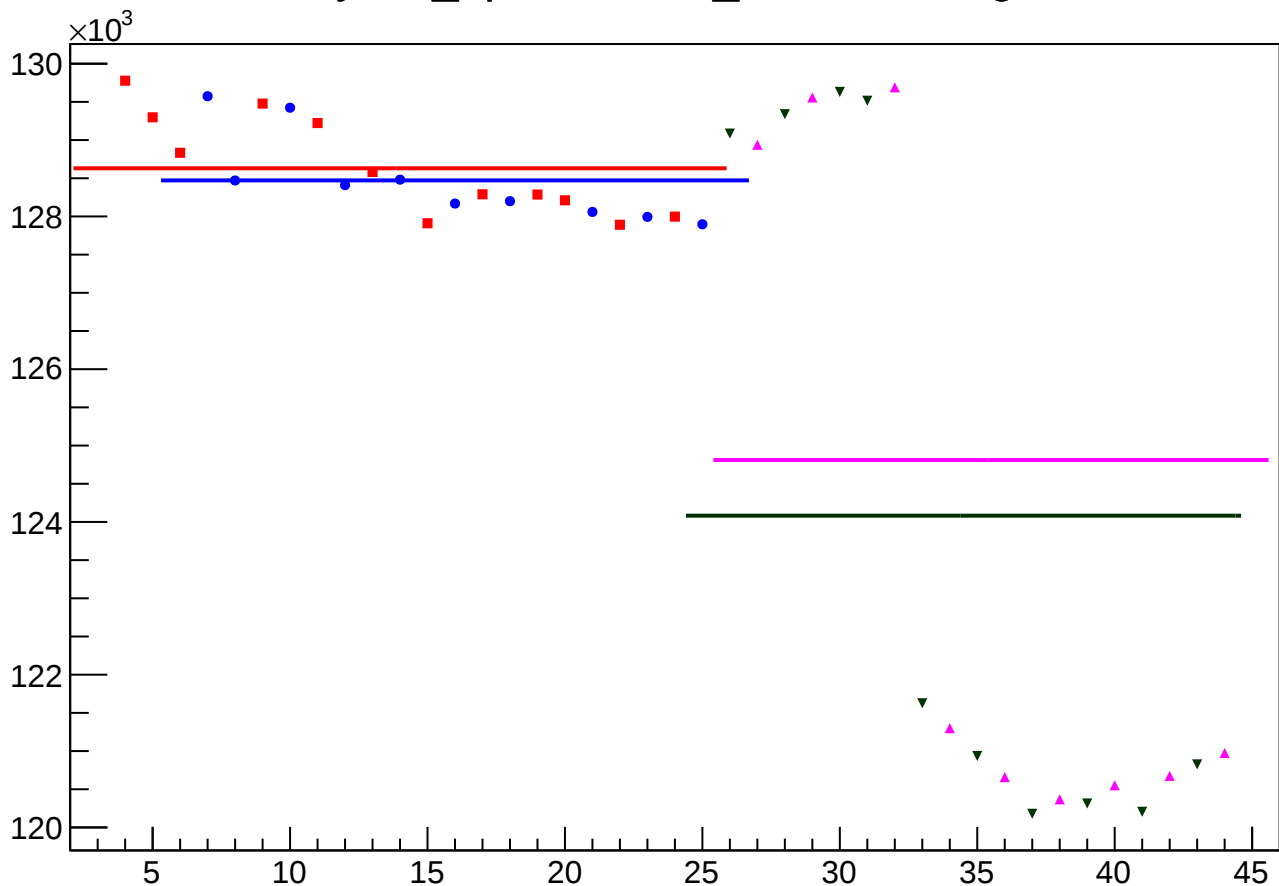
Right Out: 106.980 $\pm$ 0.031 χ^2 /NDF: 22698.2/11

Left In: 120.432 $\pm$ 0.038 χ^2 /NDF: 18918.6/8

109.723 $\pm$ 0.023 χ^2 /NDF: 267081.6/19

112.351 $\pm$ 0.024 χ^2 /NDF: 118232.8/20

yield_bpm0i07WS_mean vs slug



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

Left Out: 124081.986 $\pm$ 0.090 χ^2 /NDF: 2292578151.5/9

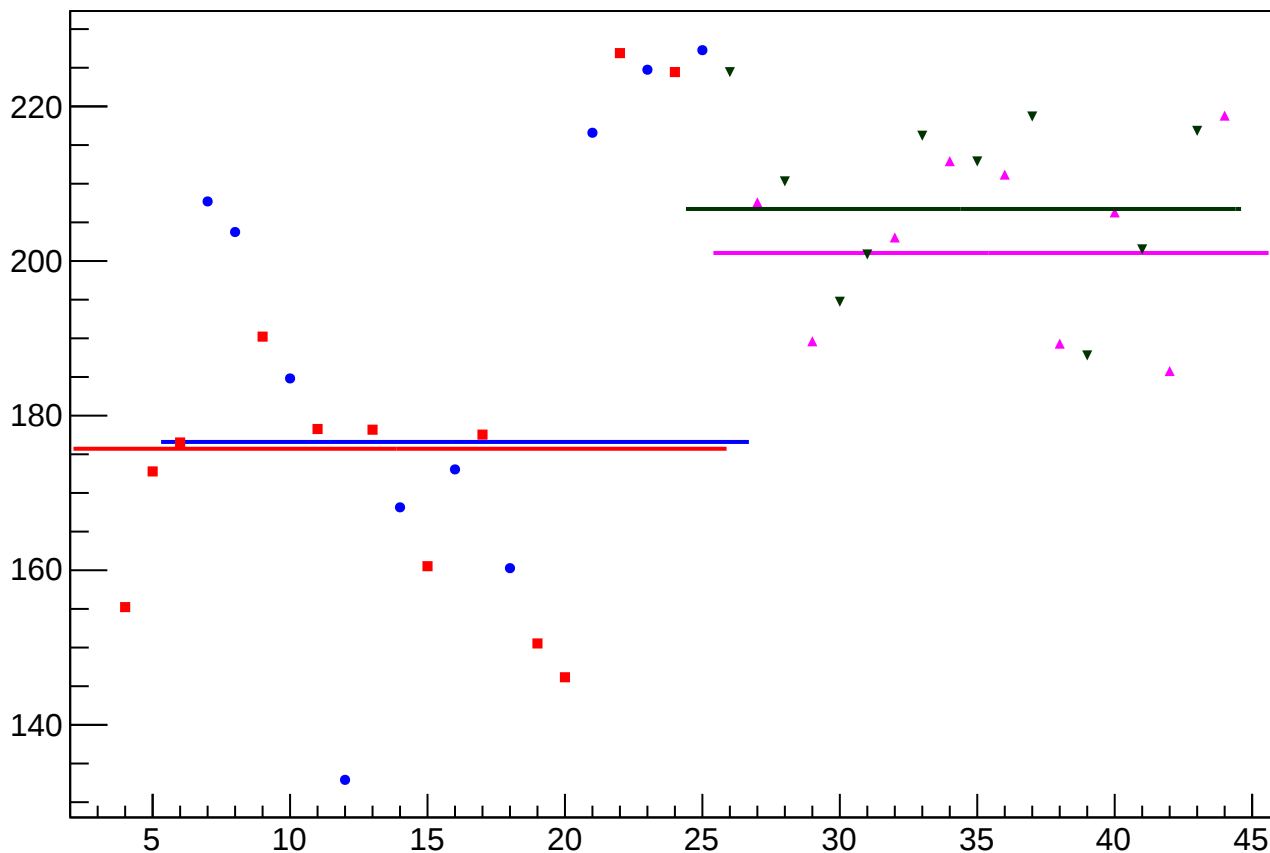
Right Out: 128630.323 $\pm$ 0.071 χ^2 /NDF: 69976766.8/11

Left In: 124810.637 $\pm$ 0.085 χ^2 /NDF: 2608172131.0/8

126793.265 $\pm$ 0.056 χ^2 /NDF: 3799483152.3/19

127060.460 $\pm$ 0.055 χ^2 /NDF: 3865360819.9/20

yield_bpm0i07WS_rms vs slug



Right In: 176.597 ± 0.050 χ^2/NDF : 316543.8/9

Left Out: 206.733 ± 0.064 χ^2/NDF : 32612.0/9

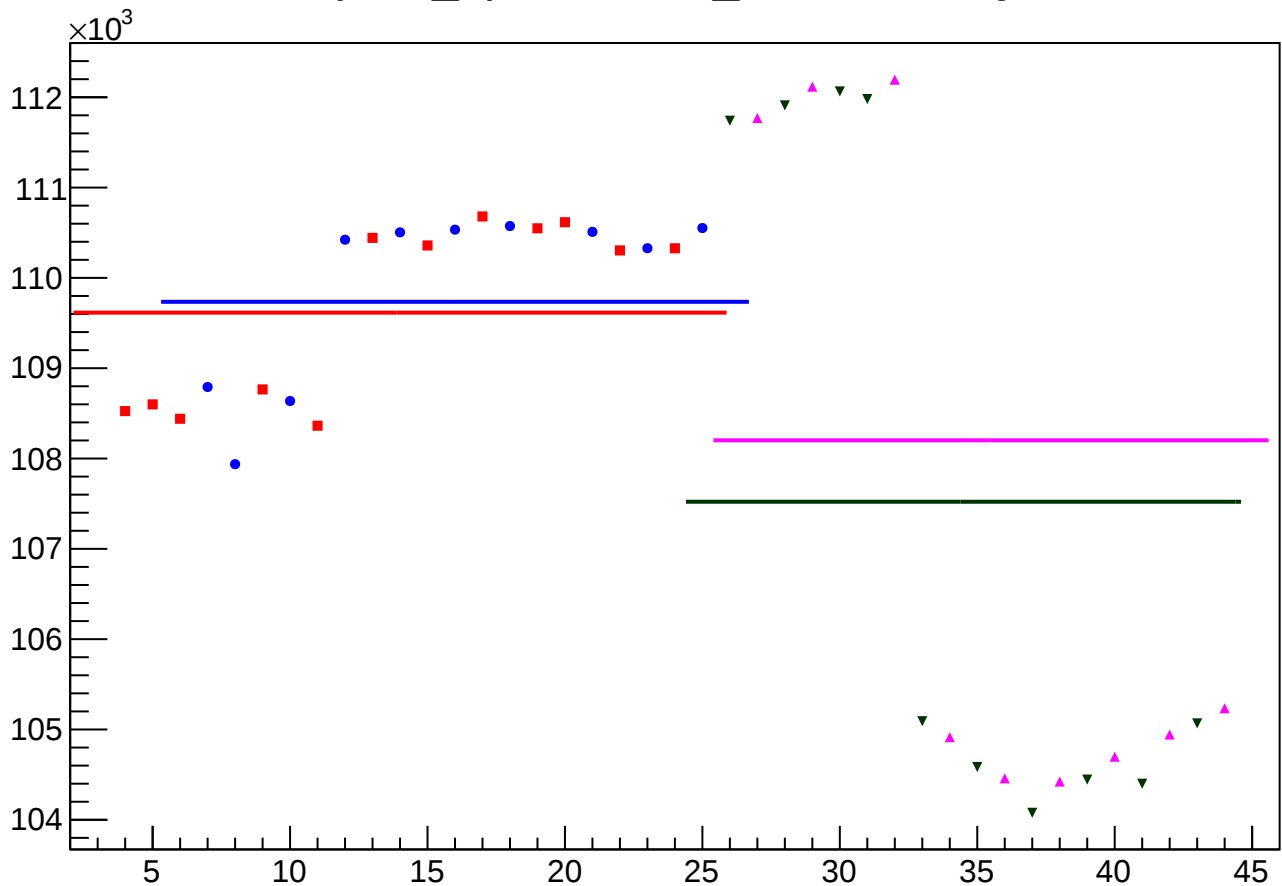
Right Out: 175.718 ± 0.050 χ^2/NDF : 188443.6/11

Left In: 201.040 ± 0.060 χ^2/NDF : 31613.0/8

188.121 ± 0.039 χ^2/NDF : 487478.1/19

186.125 ± 0.039 χ^2/NDF : 324402.7/20

yield_bpm0l01WS_mean vs slug



Right In: 109735.295 $\pm$ 0.046 χ^2 /NDF: 537097563.8/9

Left Out: 107521.561 $\pm$ 0.049 χ^2 /NDF: 5321162353.6/9

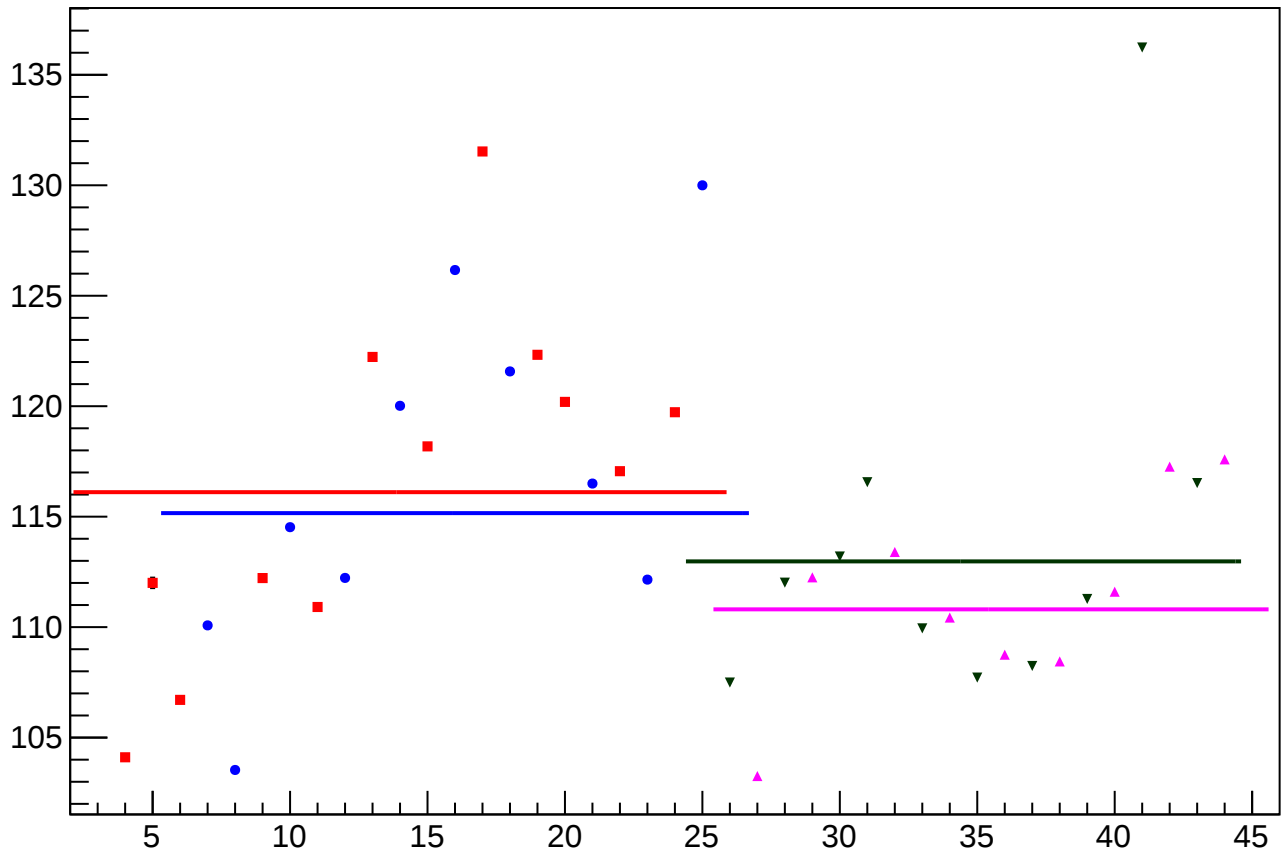
Right Out: 109615.412 $\pm$ 0.047 χ^2 /NDF: 419274077.4/11

Left In: 108201.722 $\pm$ 0.047 χ^2 /NDF: 5984849706.8/8

108714.026 $\pm$ 0.034 χ^2 /NDF: 6940647863.3/19

108911.126 $\pm$ 0.033 χ^2 /NDF: 6859871073.0/20

yield_bpm0l01WS_rms vs slug



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

Left Out: 112.975 $\pm$ 0.035 χ^2 /NDF:42849.8/9

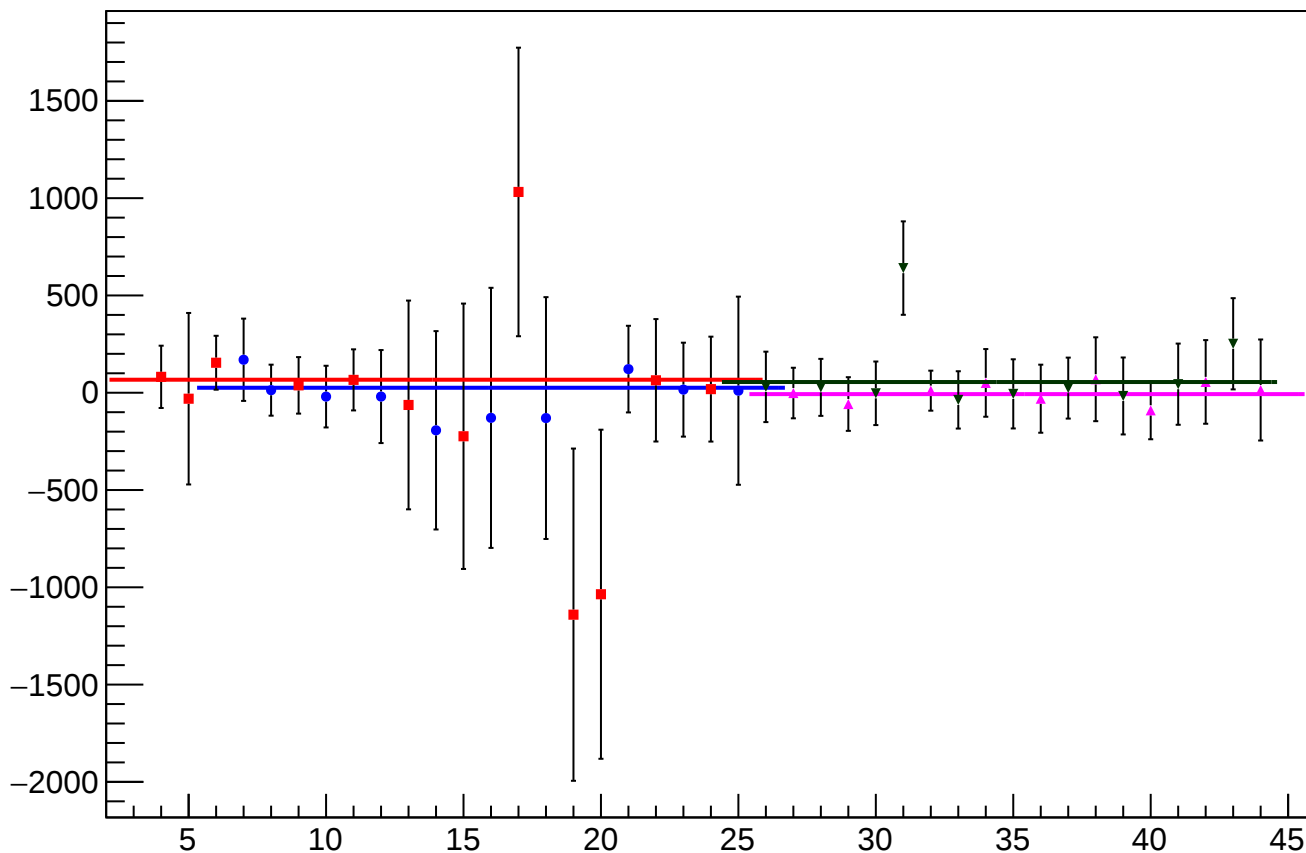
114.152 $\pm$ 0.024 χ^2 /NDF: 93067.0/19

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

113.466 $\pm$ 0.023 χ^2 /NDF: 74457.3/20

Left In: 110.804 $\pm$ 0.033 χ^2 /NDF:17542.1/8

asym_bcm_an_ds_mean vs slug



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

Left Out: 55.055+/-56.152 χ^2/NDF : 7.5/9

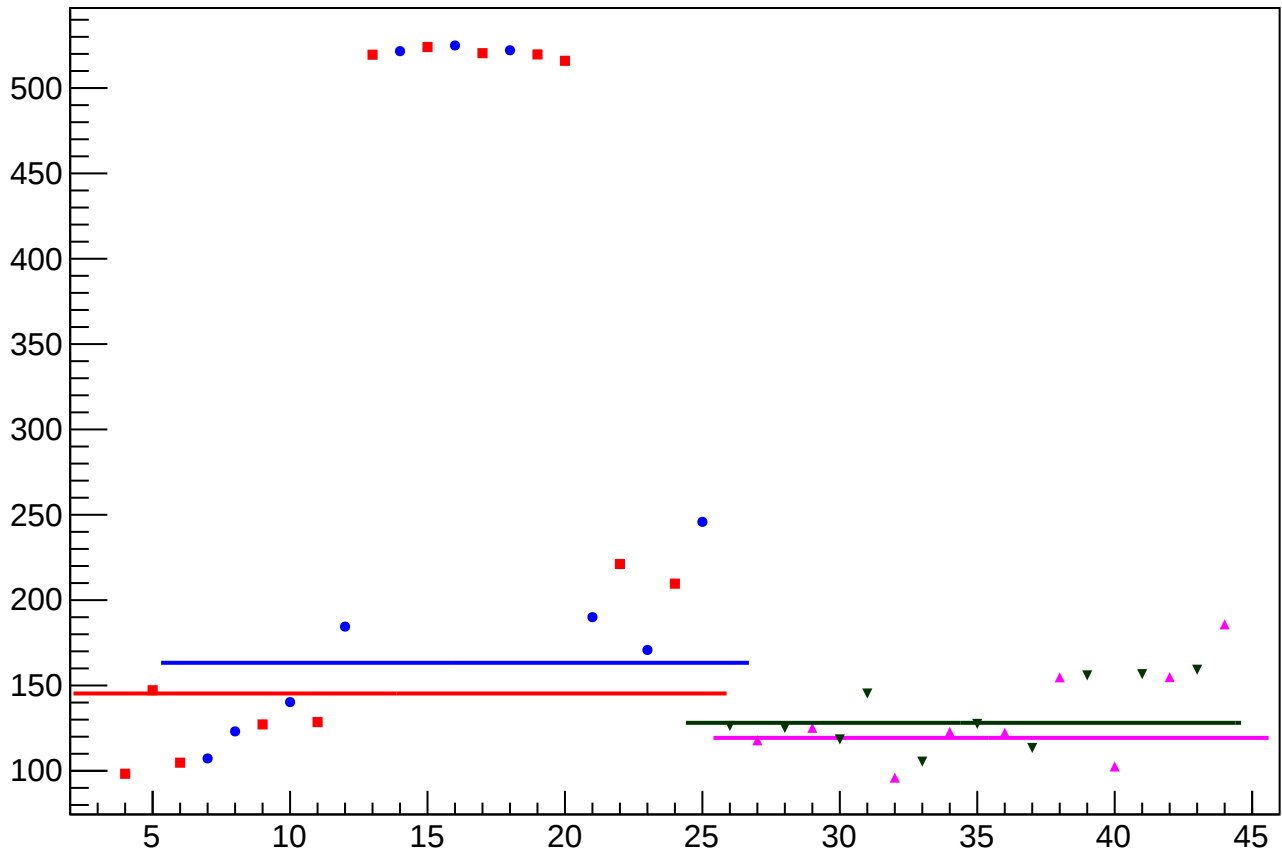
Right Out: 66.920+/-67.669 χ^2/NDF : 6.2/11

Left In: -7.075+/-51.612 χ^2/NDF : 0.8/8

44.095+/-44.485 χ^2/NDF : 8.7/19

20.139+/-41.038 χ^2/NDF : 7.7/20

asym_bcm_an_ds_rms vs slug



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

Left Out: 128.125+/-0.040 χ^2/NDF :195774.0/9

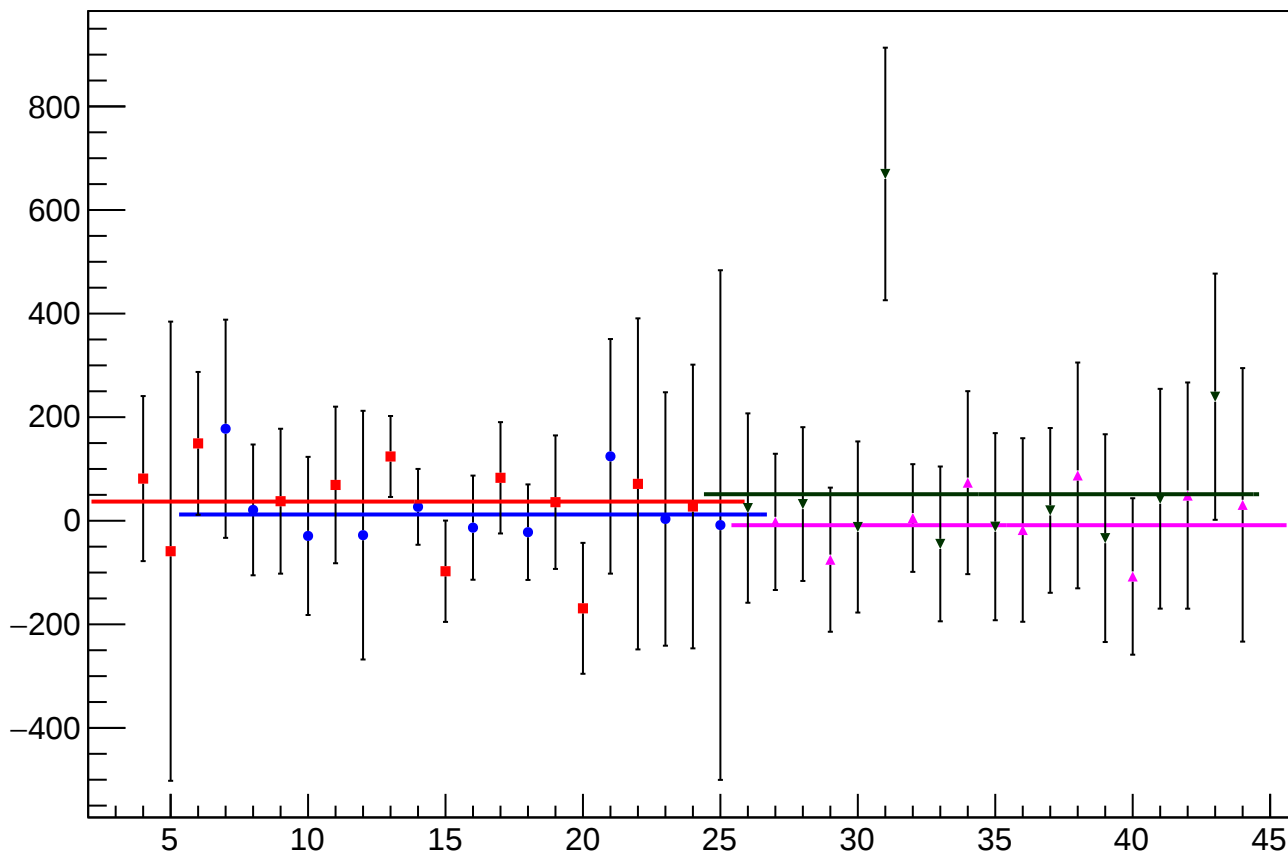
141.223+/-0.031 χ^2/NDF : 3204009.7/19

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

128.873+/-0.029 χ^2/NDF : 4059042.0/20

Left In: 119.305+/-0.036 χ^2/NDF :373767.5/8

asym_bcm_an_ds3_mean vs slug



Right In: 12.098 ± 41.208 χ^2/NDF : 1.2/9

Left Out: 51.240 ± 56.939 χ^2/NDF : 8.0/9

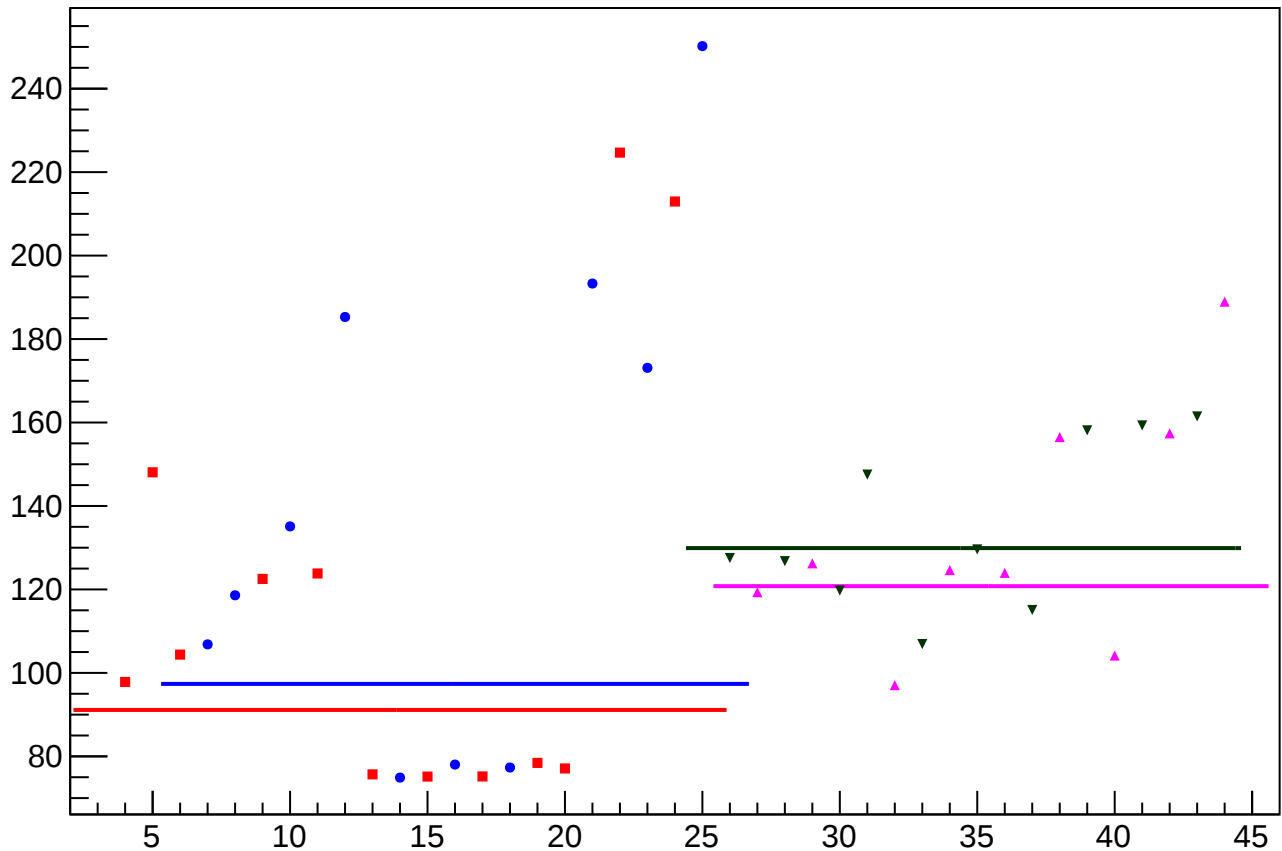
Right Out: 37.031 ± 38.001 χ^2/NDF : 6.8/11

Left In: -8.590 ± 52.268 χ^2/NDF : 1.2/8

25.553 ± 33.383 χ^2/NDF : 9.5/19

21.255 ± 30.736 χ^2/NDF : 8.5/20

asym_bcm_an_ds3_rms vs slug



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

Left Out: 129.904+/-0.040 χ^2 /NDF:197170.8/9

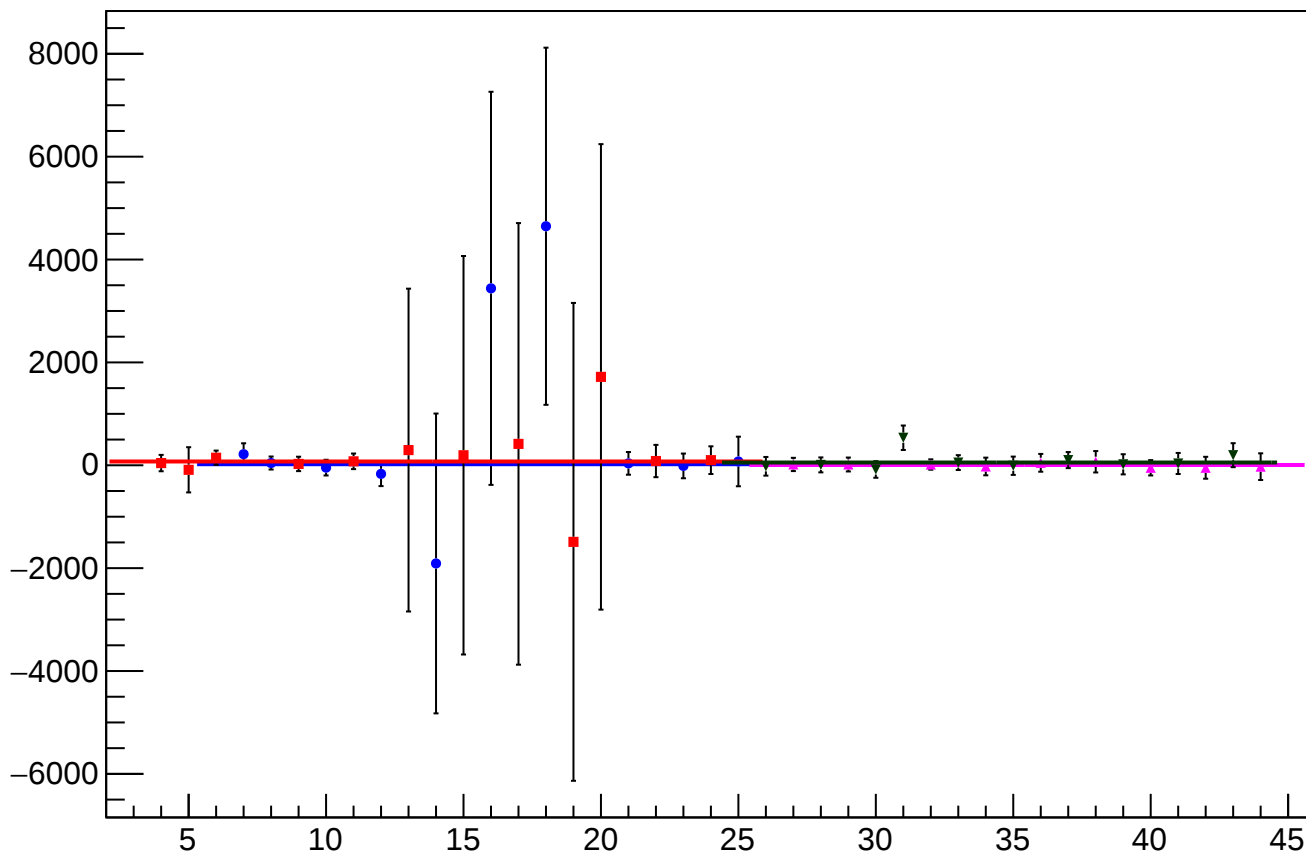
108.550+/-0.024 χ^2 /NDF: 2176829.3/19

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

101.382+/-0.022 χ^2 /NDF: 2011347.2/20

Left In: 120.786+/-0.037 χ^2 /NDF:376487.8/8

asym_bcm_an_us_mean vs slug



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

Left Out: 53.832+/-55.648 χ^2/NDF : 5.7/9

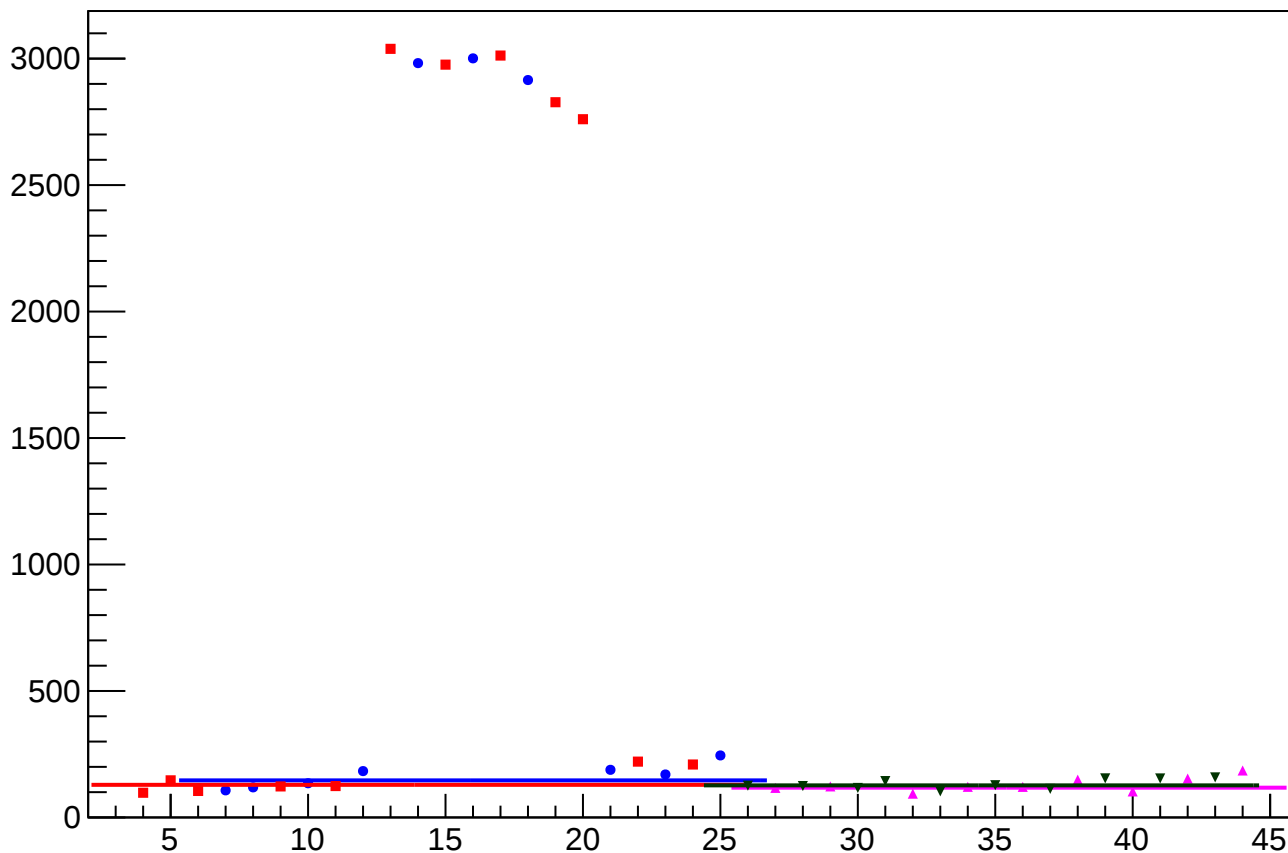
Right Out: 73.751+/-68.100 χ^2/NDF : 0.8/11

Left In: 5.189+/-50.929 χ^2/NDF : 0.4/8

41.729+/-44.248 χ^2/NDF : 10.6/19

29.781+/-40.785 χ^2/NDF : 1.9/20

asym_bcm_an_us_rms vs slug



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

Left Out: 126.861 $\pm$ 0.039 χ^2 /NDF: 201202.8/9

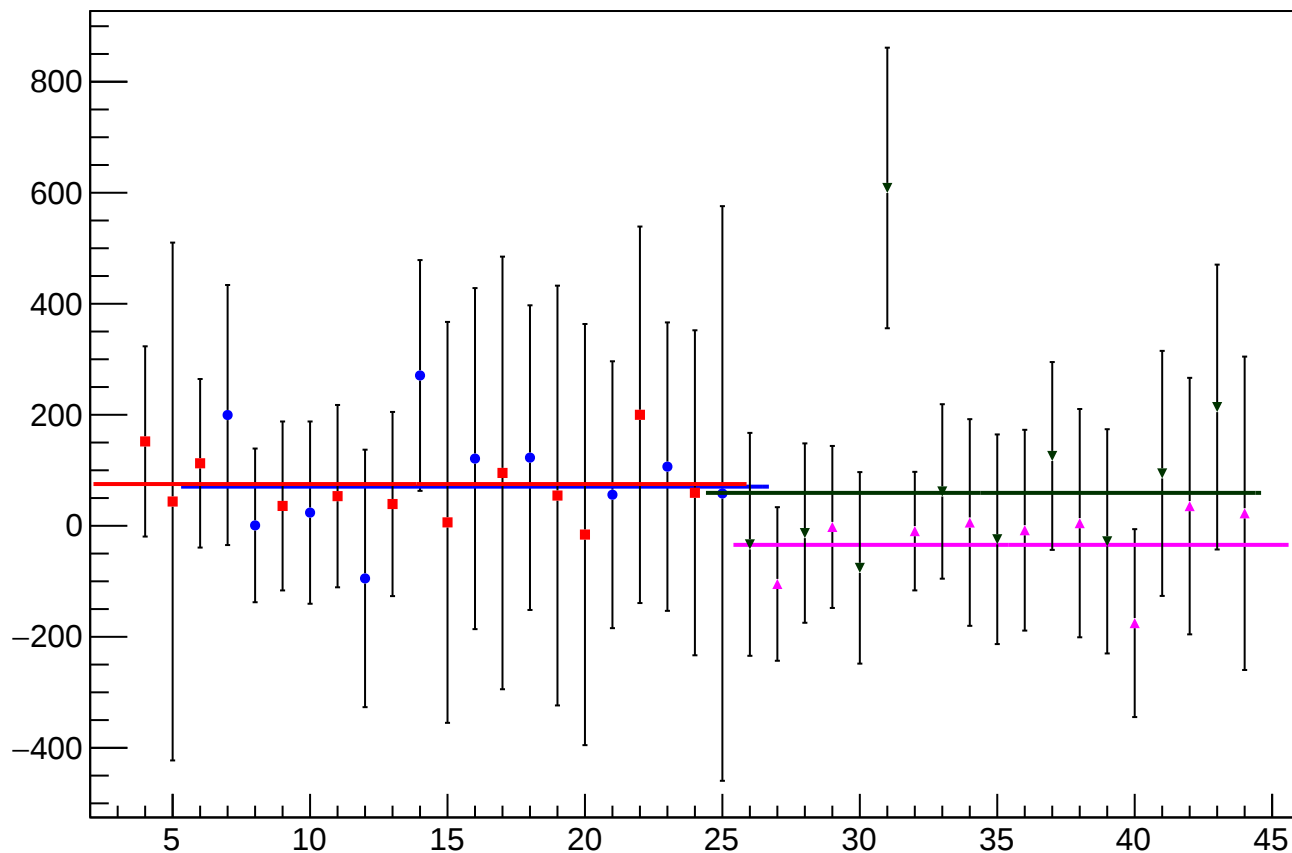
Right Out: 128.952 $\pm$ 0.048 χ^2 /NDF: 5549811.0/11

Left In: 117.710 $\pm$ 0.036 χ^2 /NDF: 374948.7/8

134.110 $\pm$ 0.031 χ^2 /NDF: 4972489.6/19

121.742 $\pm$ 0.029 χ^2 /NDF: 5959714.2/20

asym_bcm_dg_us_mean vs slug



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

Left Out: 59.318 ± 60.188 $\chi^2/\text{NDF}: 6.7/9$

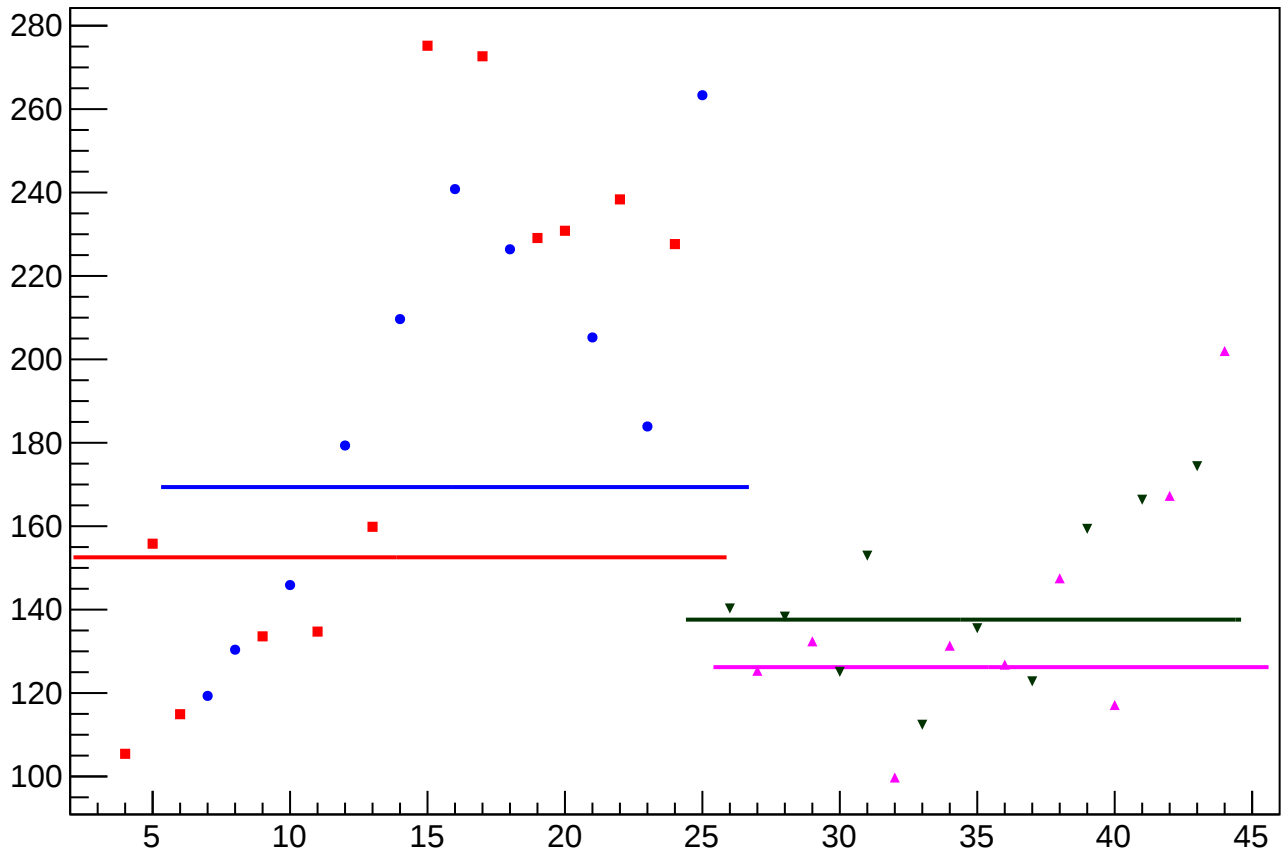
Right Out: 75.223 ± 63.607 $\chi^2/\text{NDF}: 0.6/11$

Left In: -34.328 ± 54.542 $\chi^2/\text{NDF}: 1.3/8$

64.154 ± 45.407 $\chi^2/\text{NDF}: 8.9/19$

12.092 ± 41.405 $\chi^2/\text{NDF}: 3.6/20$

asym_bcm_dg_us_rms vs slug



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

Left Out: 137.600+/-0.043 χ^2/NDF :183507.0/9

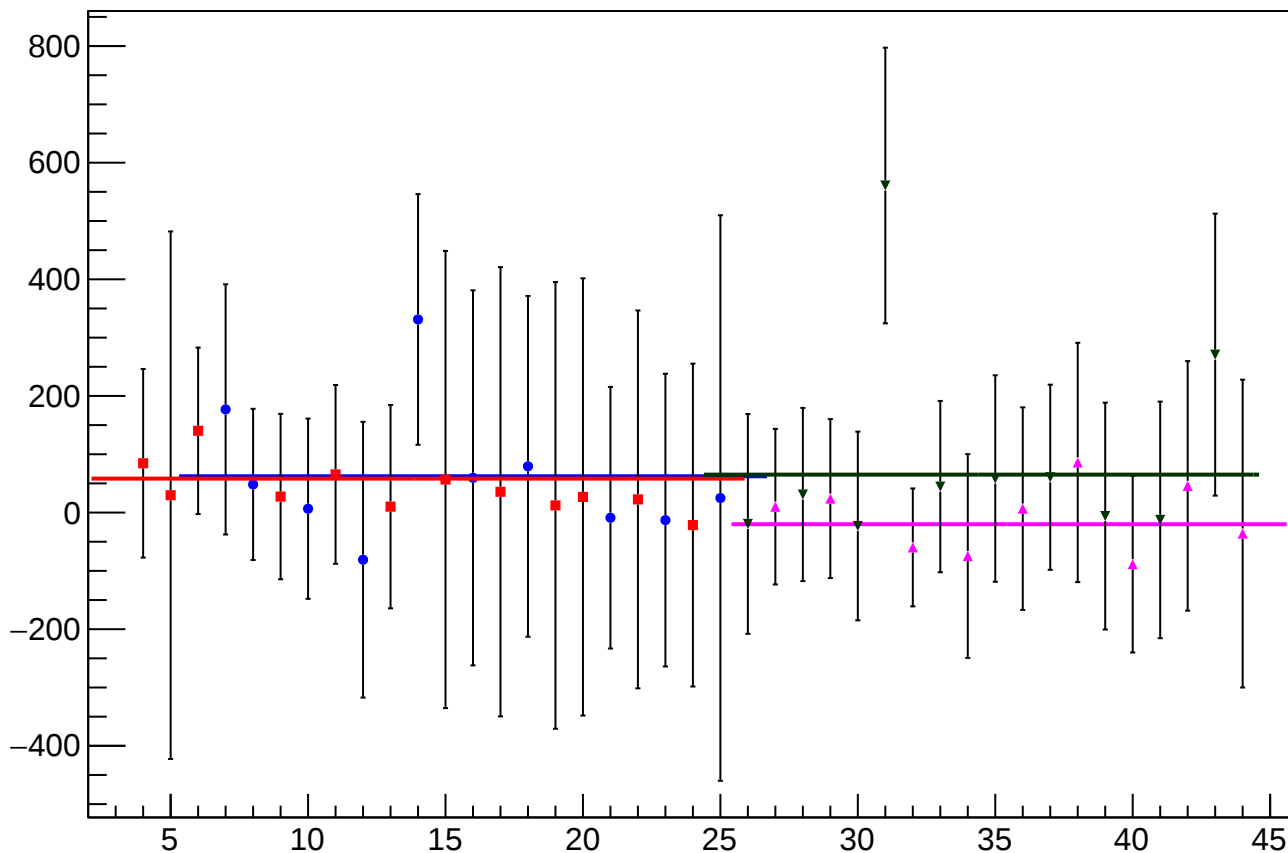
151.293+/-0.032 χ^2/NDF : 1104648.5/19

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

137.368+/-0.029 χ^2/NDF : 1740127.2/20

Left In: 126.212+/-0.039 χ^2/NDF :362614.3/8

asym_bcm_dg_ds_mean vs slug



Right In: 62.253+/-66.815 χ^2/NDF : 2.6/9

Left Out: 65.067+/-56.313 χ^2/NDF : 6.0/9

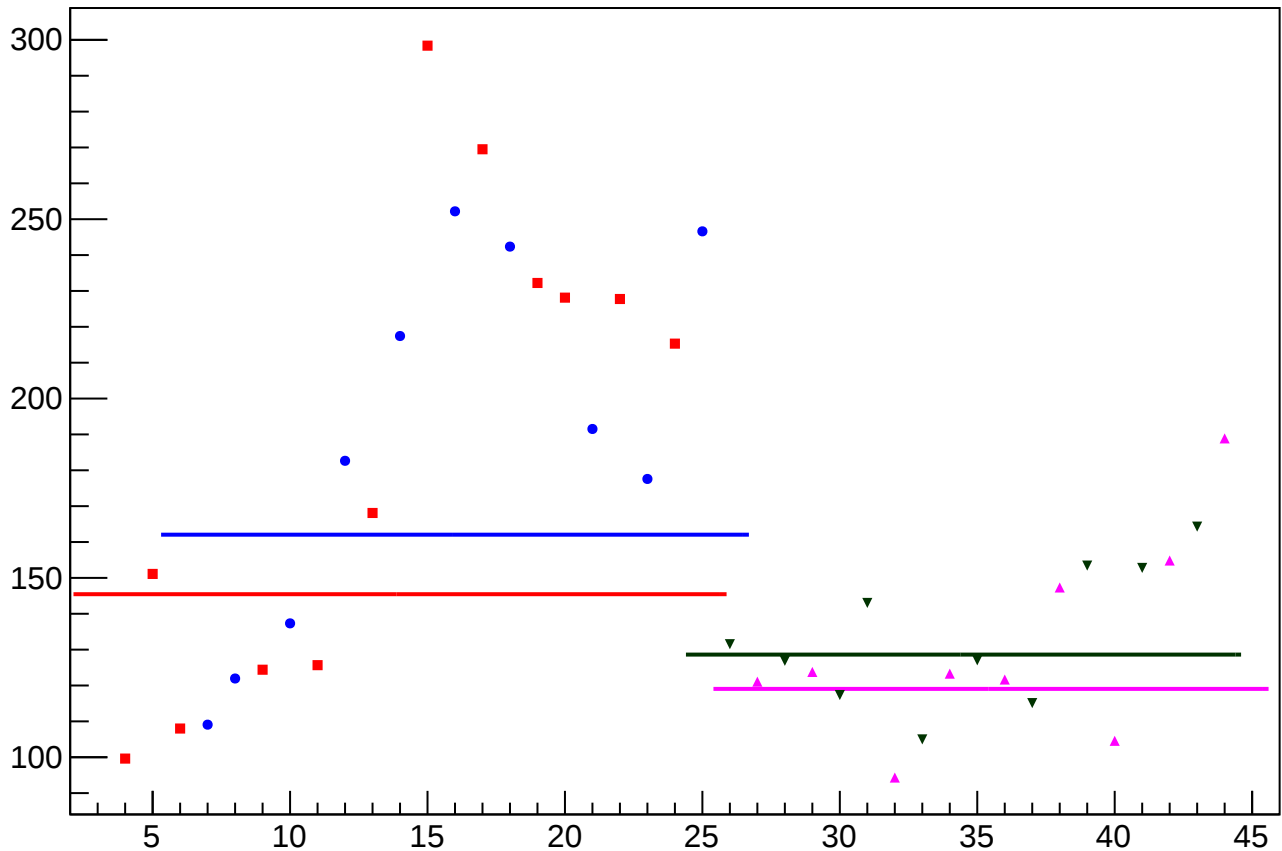
Right Out: 58.253+/-61.187 χ^2/NDF : 0.6/11

Left In: -19.993+/-51.483 χ^2/NDF : 1.0/8

63.898+/-43.059 χ^2/NDF : 8.5/19

12.440+/-39.393 χ^2/NDF : 2.6/20

asym_bcm_dg_ds_rms vs slug



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

Left Out: 128.616+/-0.040 χ^2/NDF : 188850.5/9

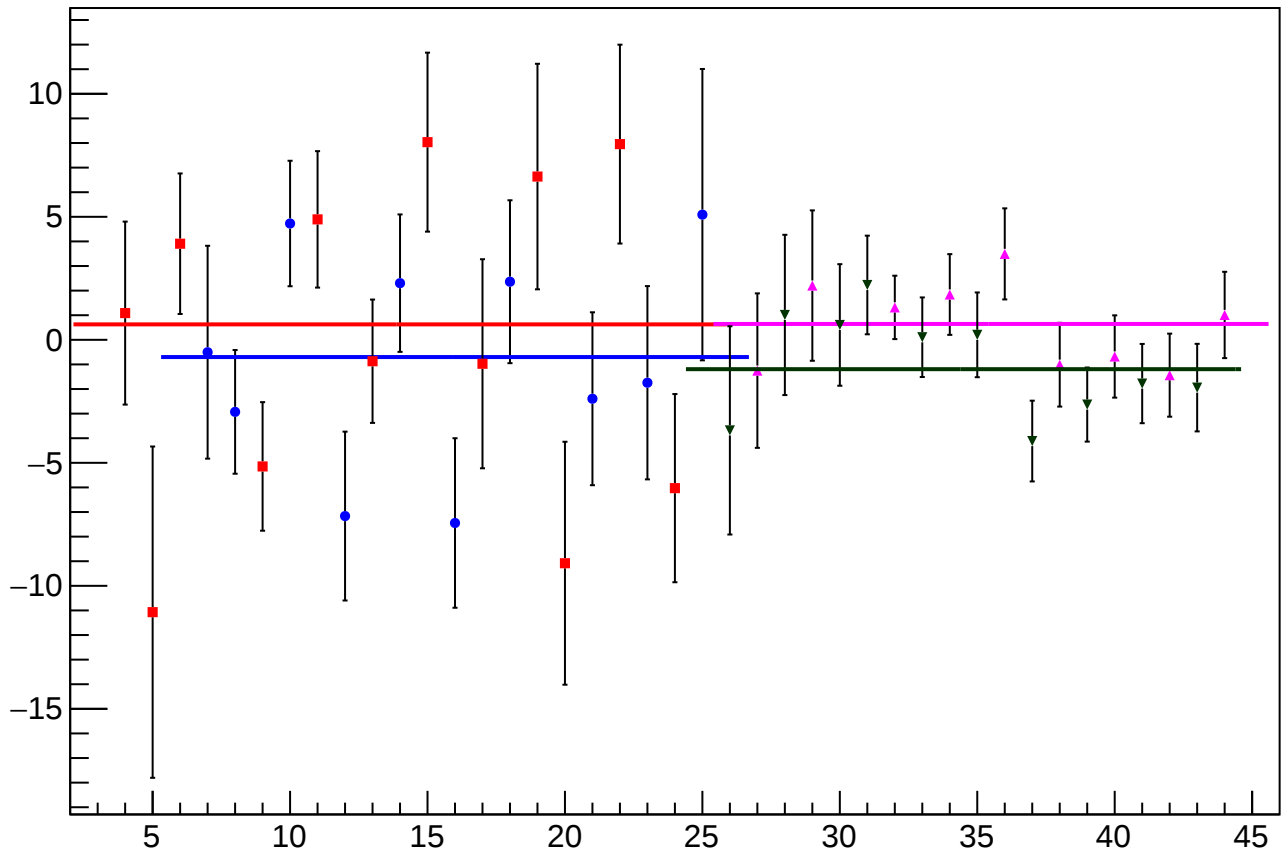
142.501+/-0.030 χ^2/NDF : 1405240.4/19

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

129.997+/-0.028 χ^2/NDF : 1972023.7/20

Left In: 119.054+/-0.036 χ^2/NDF : 376220.0/8

asym_cav4bQ_mean vs slug



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

Left Out: -1.193 ± 0.598 $\chi^2/\text{NDF}: 9.9/9$

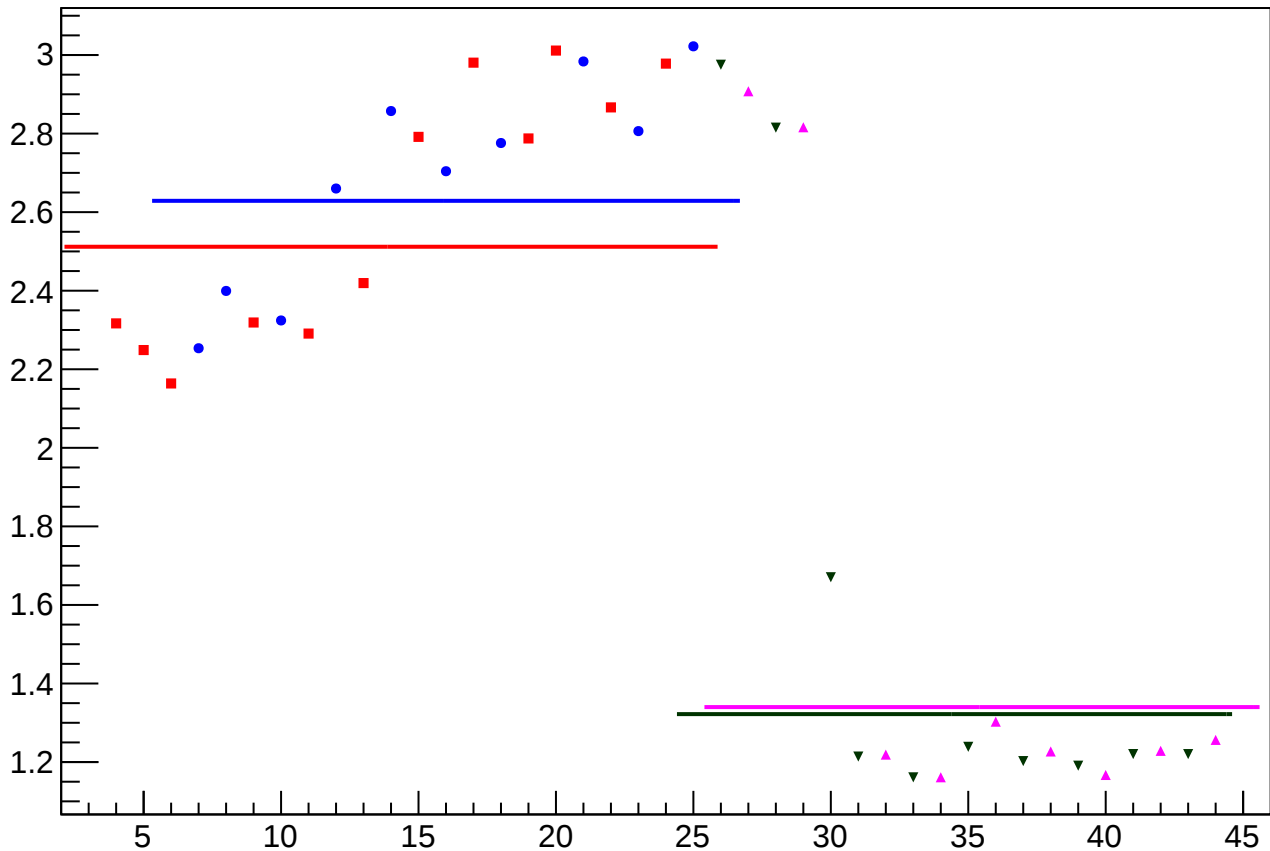
Right Out: 0.628 ± 0.999 $\chi^2/\text{NDF}: 28.1/11$

Left In: 0.645 ± 0.592 $\chi^2/\text{NDF}: 6.9/8$

-1.070 ± 0.518 $\chi^2/\text{NDF}: 26.1/19$

0.640 ± 0.509 $\chi^2/\text{NDF}: 35.1/20$

asym_cav4bQ_rms vs slug



Right In: 2.629 $\pm$ 0.001 χ^2 /NDF: 111982.4/9

Left Out: 1.322 $\pm$ 0.000 χ^2 /NDF:835682.2/9

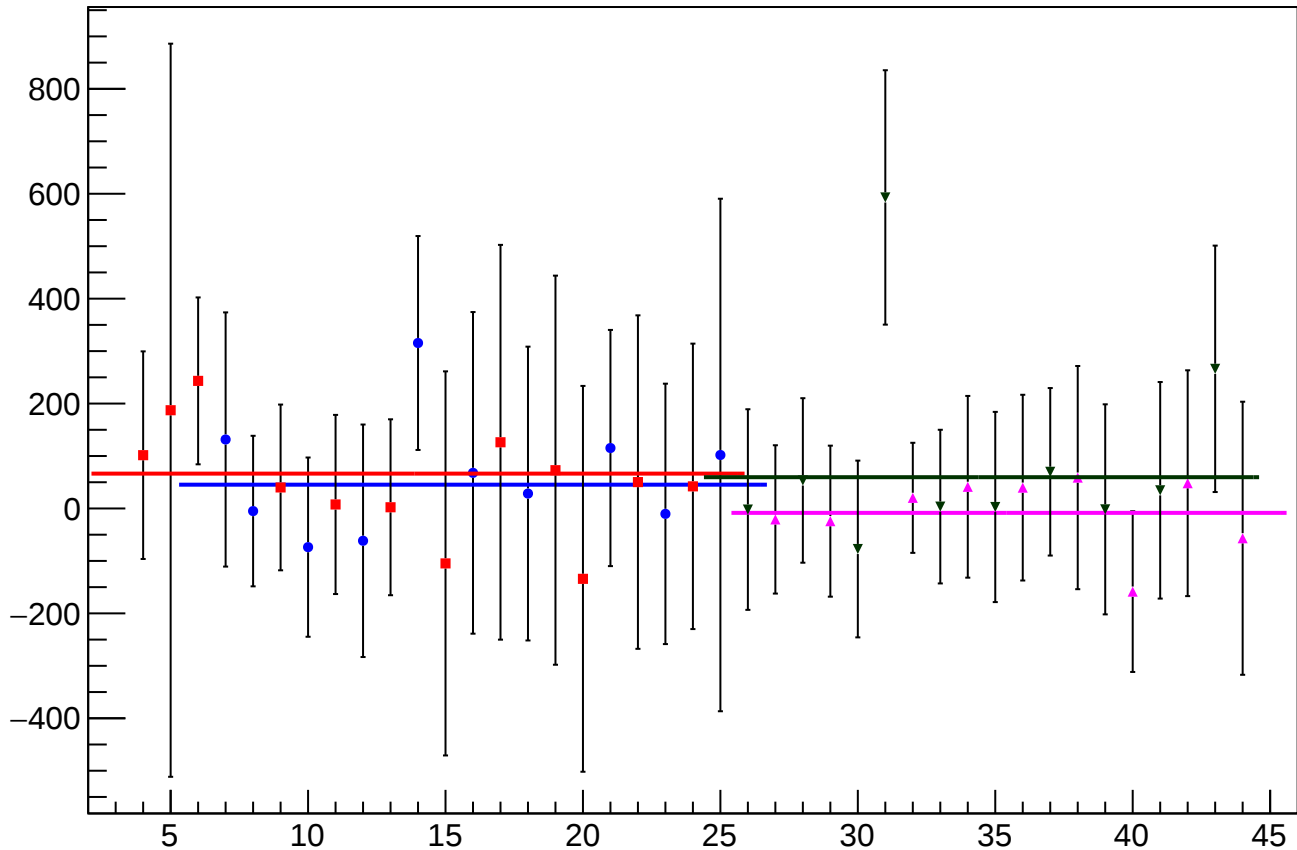
Right Out: 2.512 $\pm$ 0.001 χ^2 /NDF: 173540.5/11

Left In: 1.340 $\pm$ 0.000 χ^2 /NDF:1050714.6/8

1.648 $\pm$ 0.000 χ^2 /NDF: 3327332.6/19

1.645 $\pm$ 0.000 χ^2 /NDF: 3260545.9/20

asym_cav4cQ_mean vs slug



Right In: 45.350 ± 69.374 χ^2/NDF : 2.9/9

Left Out: 59.618 ± 57.448 χ^2/NDF : 6.7/9

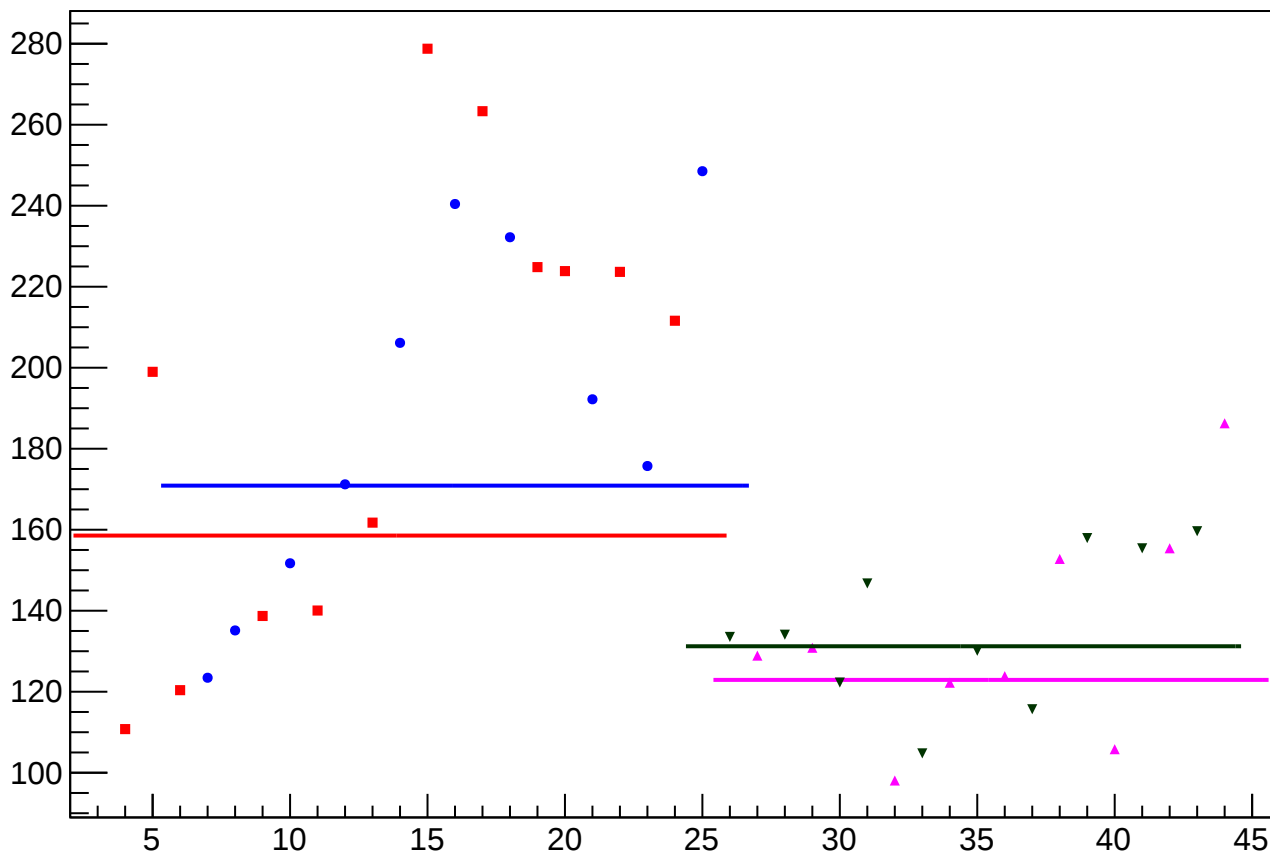
53.814 ± 44.247 χ^2/NDF : 9.7/19

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

20.983 ± 41.346 χ^2/NDF : 4.3/20

Left In: -8.384 ± 53.045 χ^2/NDF : 1.4/8

asym_cav4cQ_rms vs slug



Right In: 170.886 $\pm$ 0.049 χ^2 /NDF: 553736.6/9

Left Out: 131.224 $\pm$ 0.041 χ^2 /NDF:191308.6/9

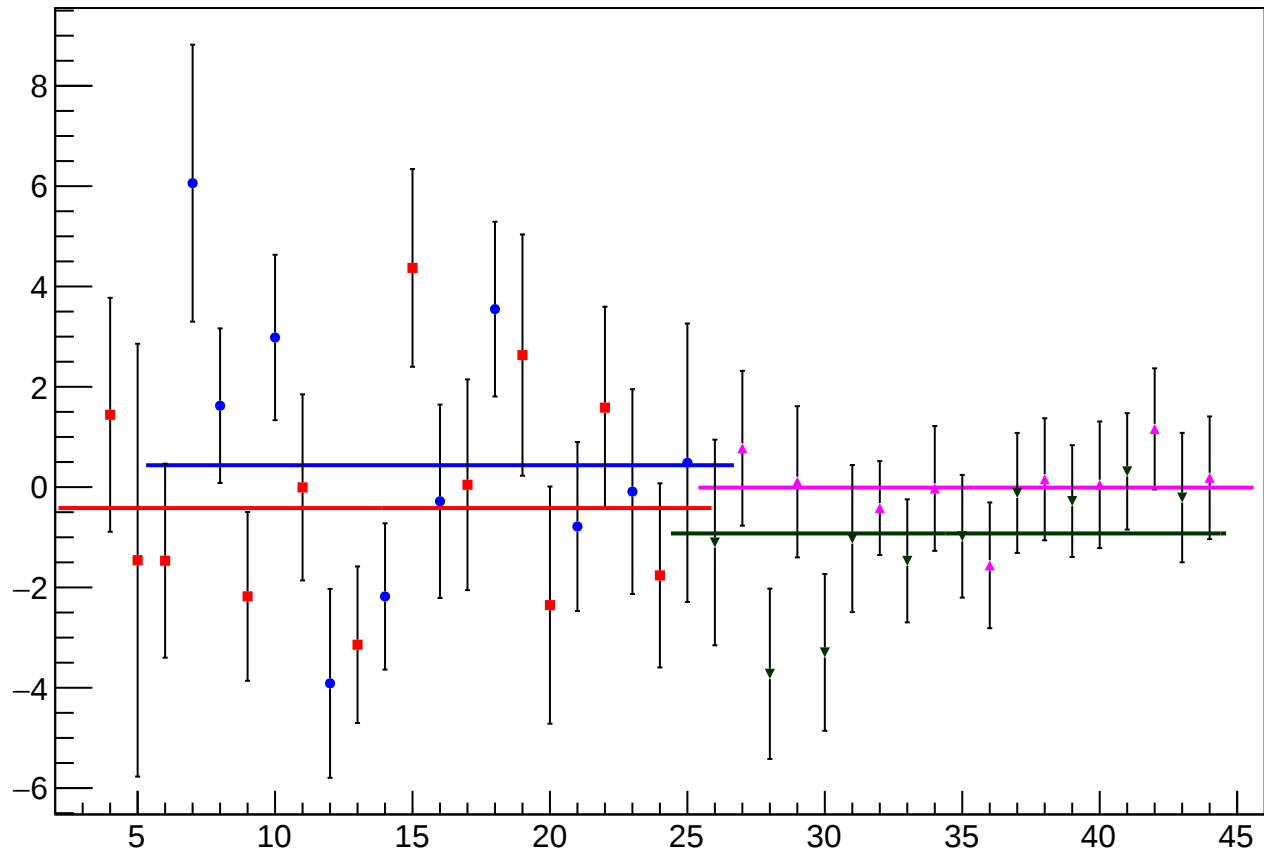
Right Out: 158.557 $\pm$ 0.047 χ^2 /NDF: 951673.3/11

Left In: 122.920 $\pm$ 0.038 χ^2 /NDF:350338.0/8

147.358 $\pm$ 0.031 χ^2 /NDF: 1132833.0/19

136.906 $\pm$ 0.029 χ^2 /NDF: 1656266.6/20

asym_cav4dQ_mean vs slug



Right In: 0.437 ± 0.578 $\chi^2/\text{NDF}: 19.6/9$

Left Out: -0.924 ± 0.421 $\chi^2/\text{NDF}: 7.5/9$

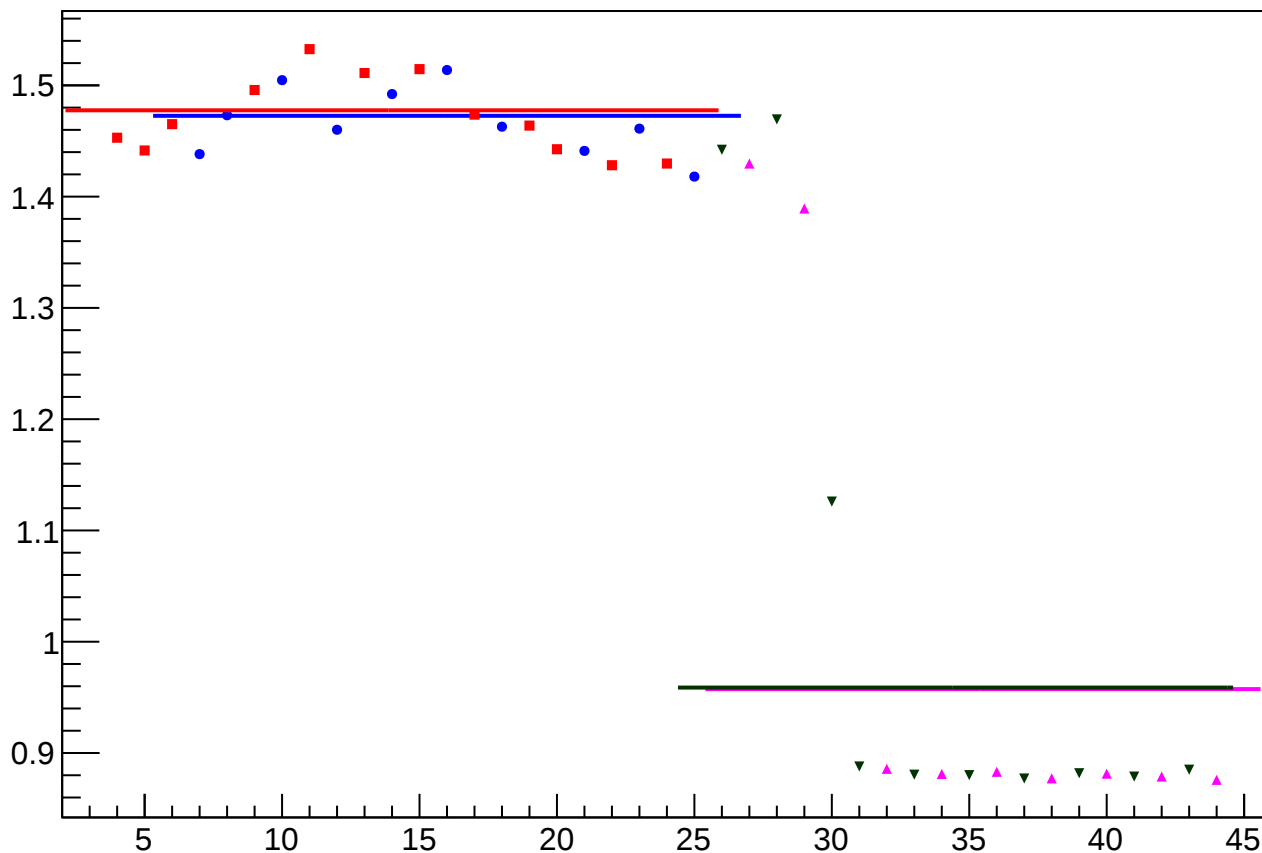
Right Out: -0.417 ± 0.583 $\chi^2/\text{NDF}: 14.9/11$

Left In: -0.010 ± 0.410 $\chi^2/\text{NDF}: 3.0/8$

-0.452 ± 0.340 $\chi^2/\text{NDF}: 30.7/19$

-0.145 ± 0.336 $\chi^2/\text{NDF}: 18.2/20$

asym_cav4dQ_rms vs slug



Right In: 1.473+/-0.000 χ^2/NDF : 4027.5/9

Left Out: 0.959+/-0.000 χ^2/NDF : 370902.6/9

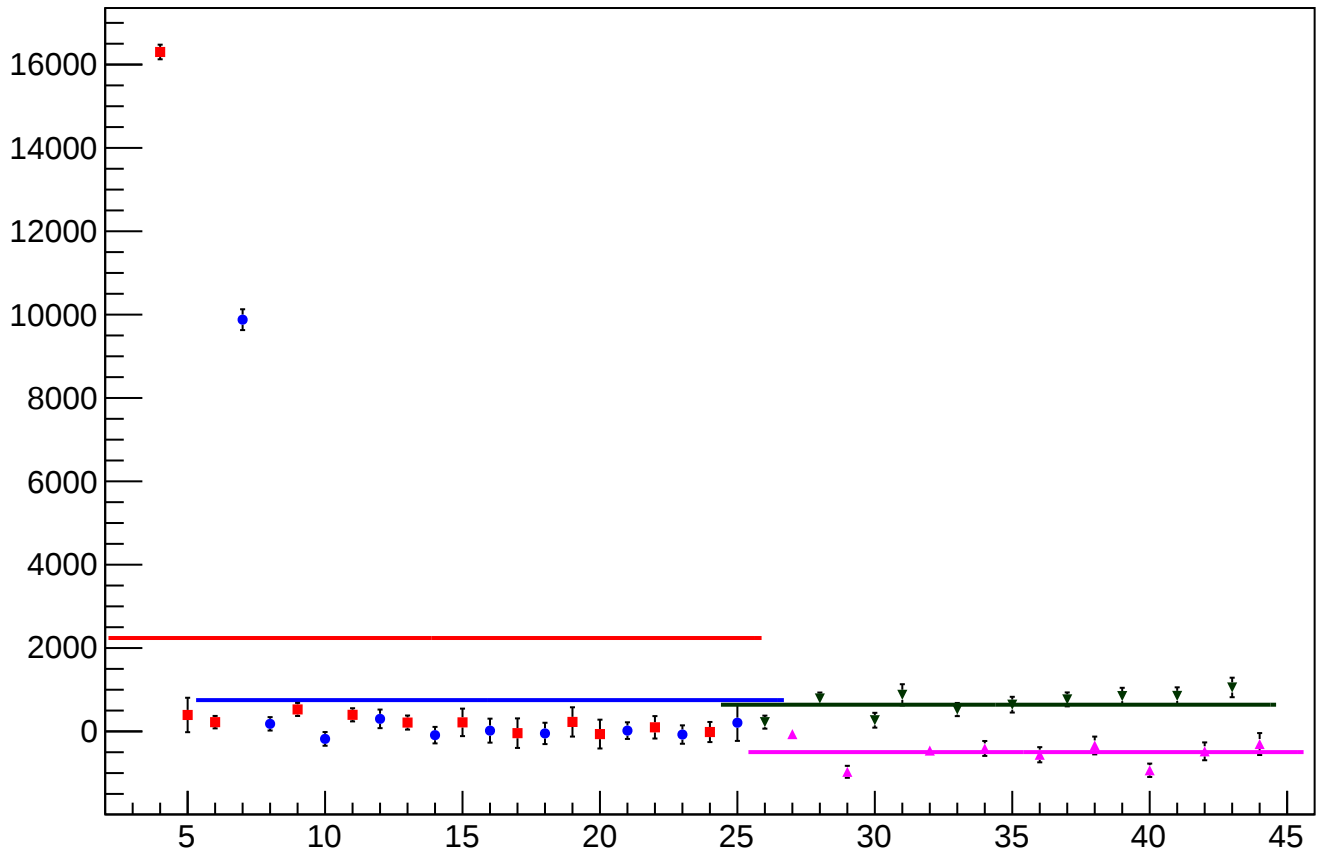
Right Out: 1.478+/-0.000 χ^2/NDF : 7139.1/11

Left In: 0.957+/-0.000 χ^2/NDF : 411162.2/8

1.137+/-0.000 χ^2/NDF : 1407513.4/19

1.130+/-0.000 χ^2/NDF : 1482401.4/20

asym_bcm0l02_mean vs slug



Right In: 750.803+/-68.130 χ^2/NDF : 1445.6/9

Left Out: 640.376+/-56.927 χ^2/NDF :19.9/9

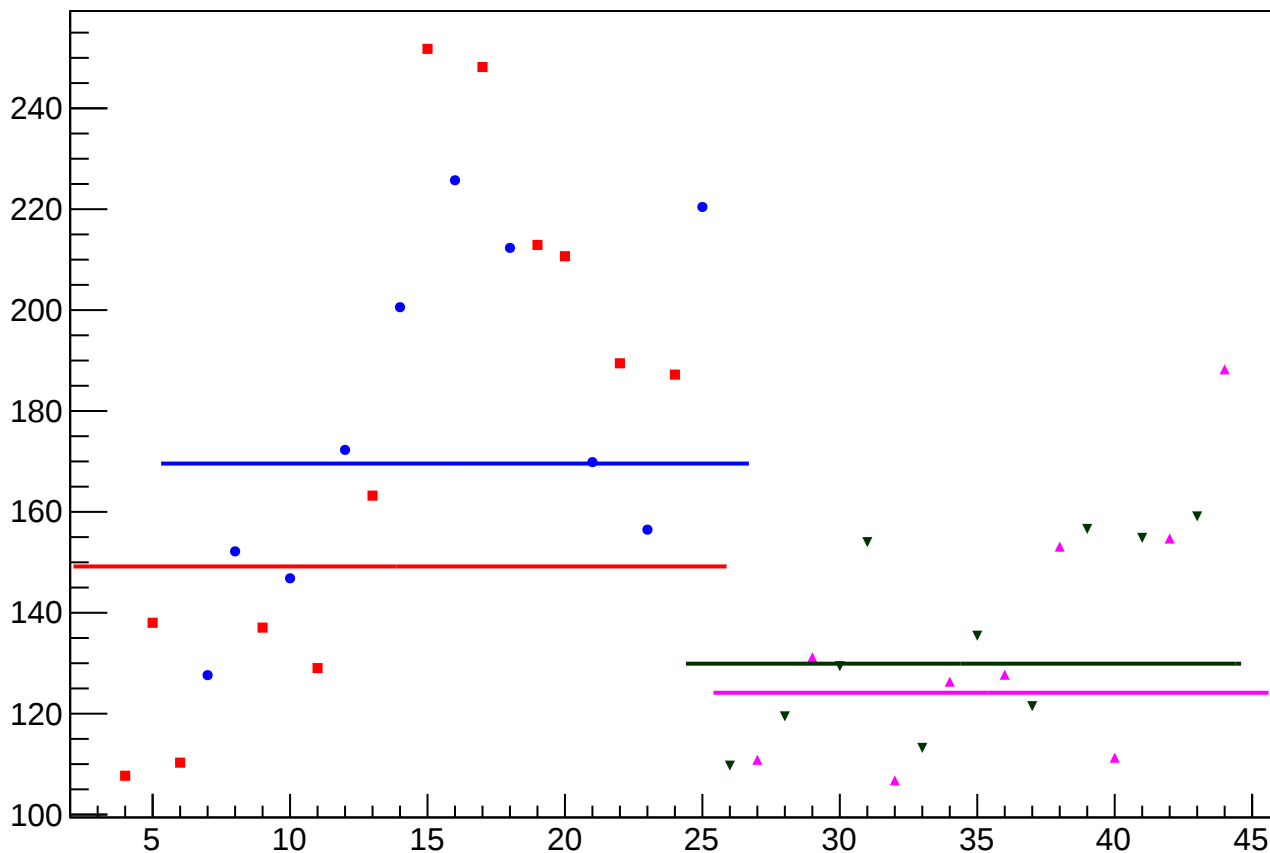
685.776+/-43.684 χ^2/NDF : 1467.0/19

Right Out: 2240.760+/-61.598 χ^2/NDF : 7330.5/11

675.639+/-40.312 χ^2/NDF : 8492.1/20

Left In: -496.812+/-53.314 χ^2/NDF :32.4/8

asym_bcm0l02_rms vs slug



Right In: 169.579+/-0.048 χ^2/NDF : 333569.7/9

Left Out: 129.911+/-0.040 χ^2/NDF :188039.4/9

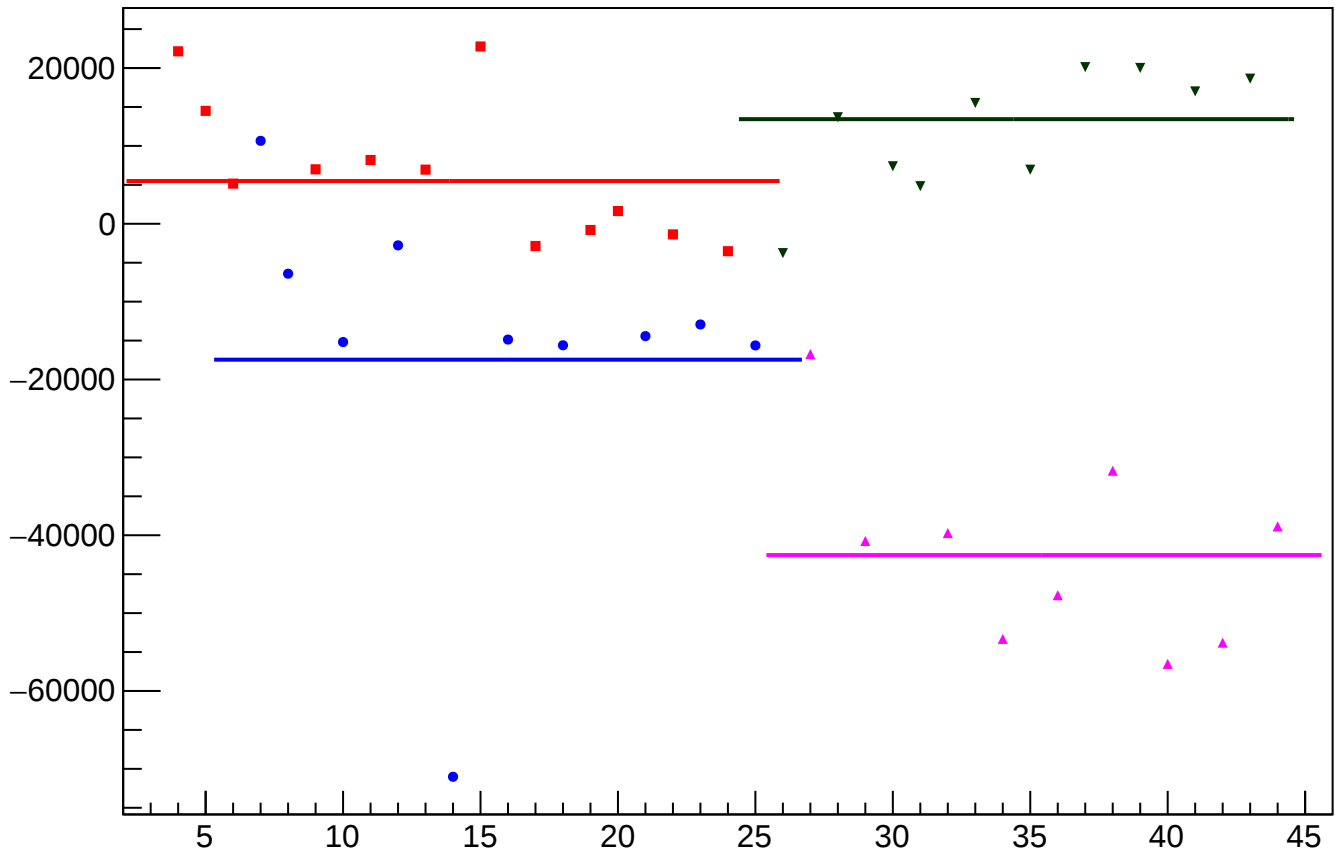
Right Out: 149.184+/-0.044 χ^2/NDF : 879836.6/11

Left In: 124.148+/-0.038 χ^2/NDF :285531.8/8

146.219+/-0.031 χ^2/NDF : 920868.5/19

134.870+/-0.029 χ^2/NDF : 1354248.5/20

asym_bpm2i01WS_mean vs slug



Right In: -17450.855 ± 46.763 χ^2/NDF : 203331.0/9

Left Out: 13435.021 ± 42.371 χ^2/NDF : 28229.6/9

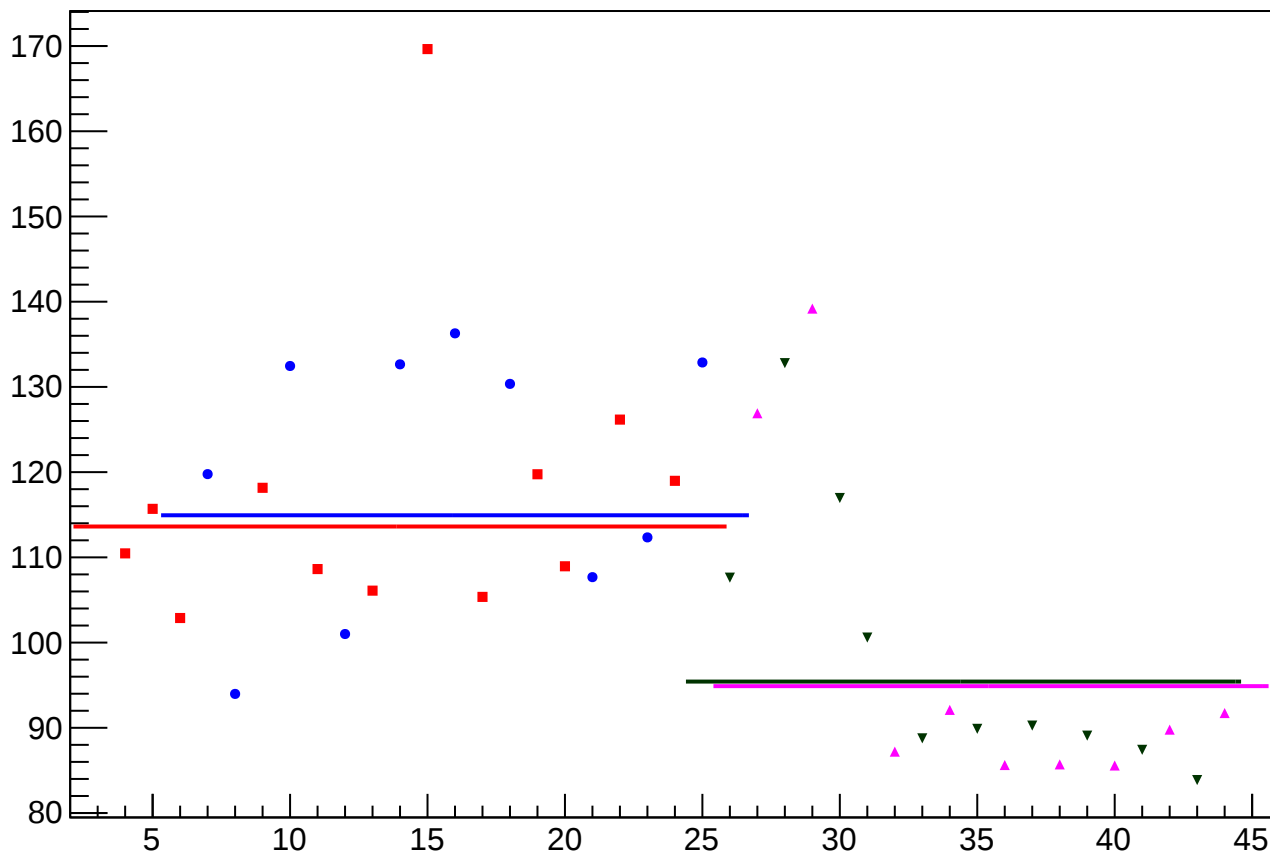
Right Out: 5490.592 ± 46.372 χ^2/NDF : 24655.8/11

Left In: -42544.240 ± 41.432 χ^2/NDF : 71406.7/8

-489.815 ± 31.399 χ^2/NDF : 471115.6/19

-21220.753 ± 30.897 χ^2/NDF : 692733.1/20

asym_bpm2i01WS_rms vs slug



Right In: 114.939+/-0.033 χ^2/NDF : 233540.9/9

Left Out: 95.426+/-0.030 χ^2/NDF :200660.2/9

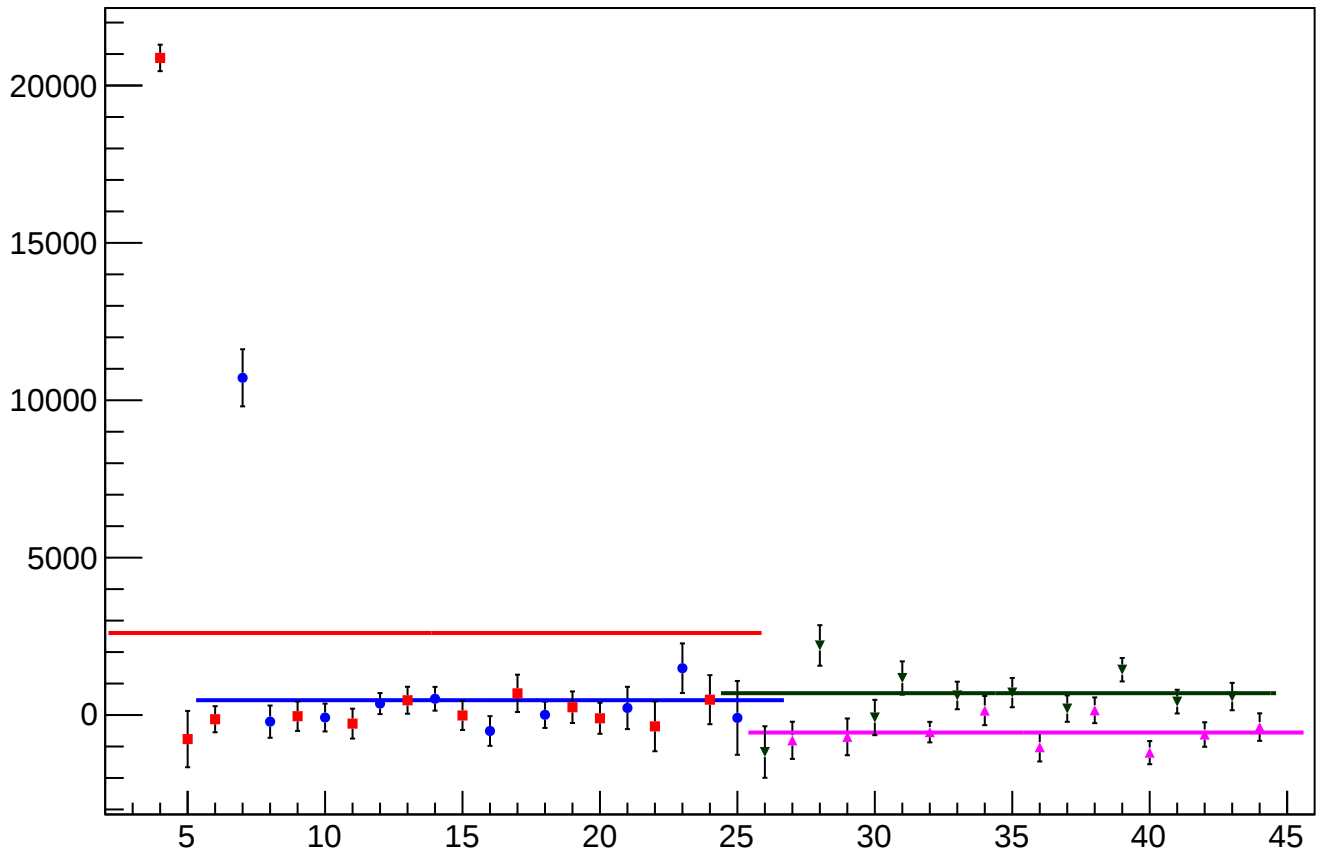
104.223+/-0.022 χ^2/NDF : 625440.6/19

Right Out: 113.621+/-0.033 χ^2/NDF : 162658.1/11

103.204+/-0.022 χ^2/NDF : 658763.4/20

Left In: 94.889+/-0.029 χ^2/NDF :314634.4/8

asym_bpm0i07WS_mean vs slug



Right In: 470.960+/-156.387 χ^2/NDF : 138.4/9

Left Out: 693.815+/-147.932 χ^2/NDF : 19.5/9

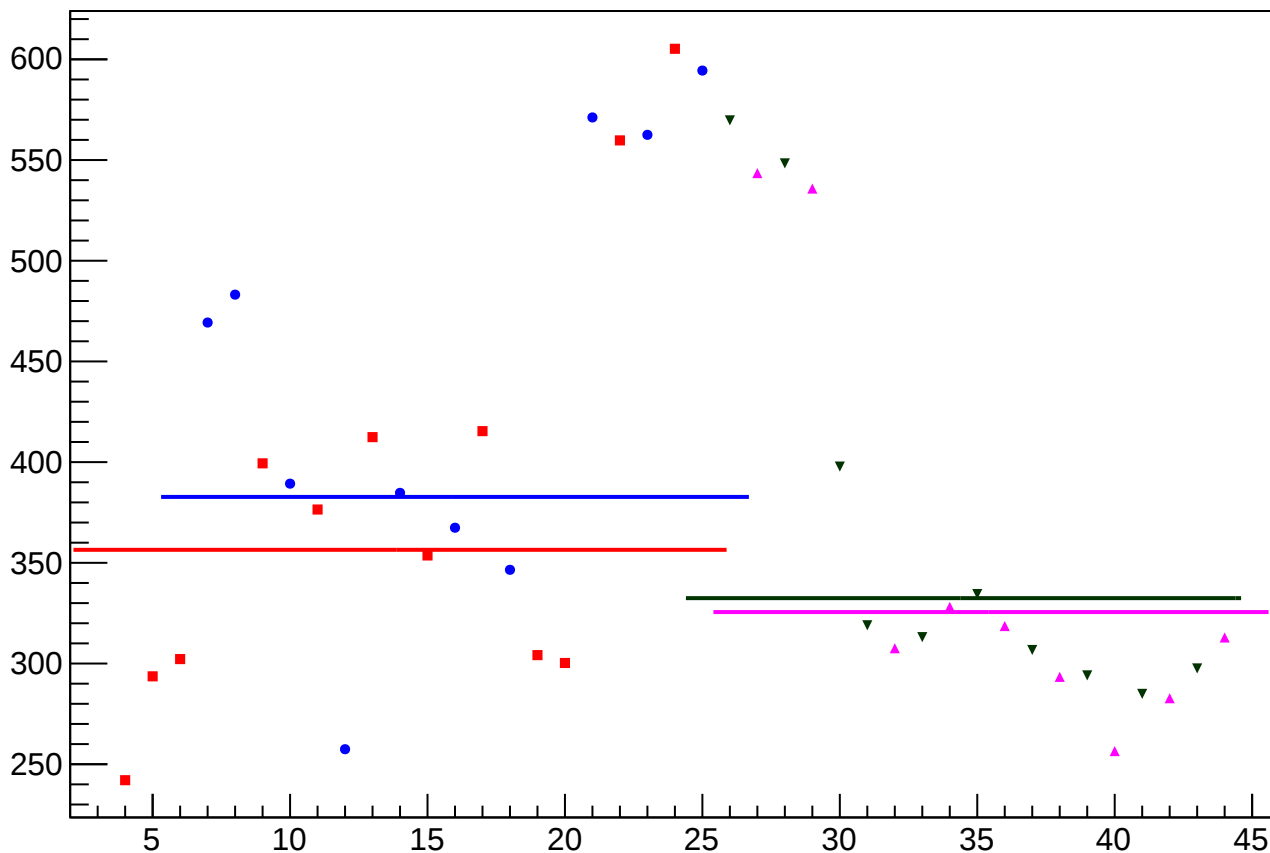
588.574+/-107.469 χ^2/NDF : 159.0/19

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

962.263+/-102.093 χ^2/NDF : 2403.7/20

Left In: -556.564+/-141.592 χ^2/NDF : 9.7/8

asym_bpm0i07WS_rms vs slug



Right In: 382.730 ± 0.111 $\chi^2/\text{NDF}: 720132.6/9$

Left Out: 332.466 ± 0.105 $\chi^2/\text{NDF}: 498518.7/9$

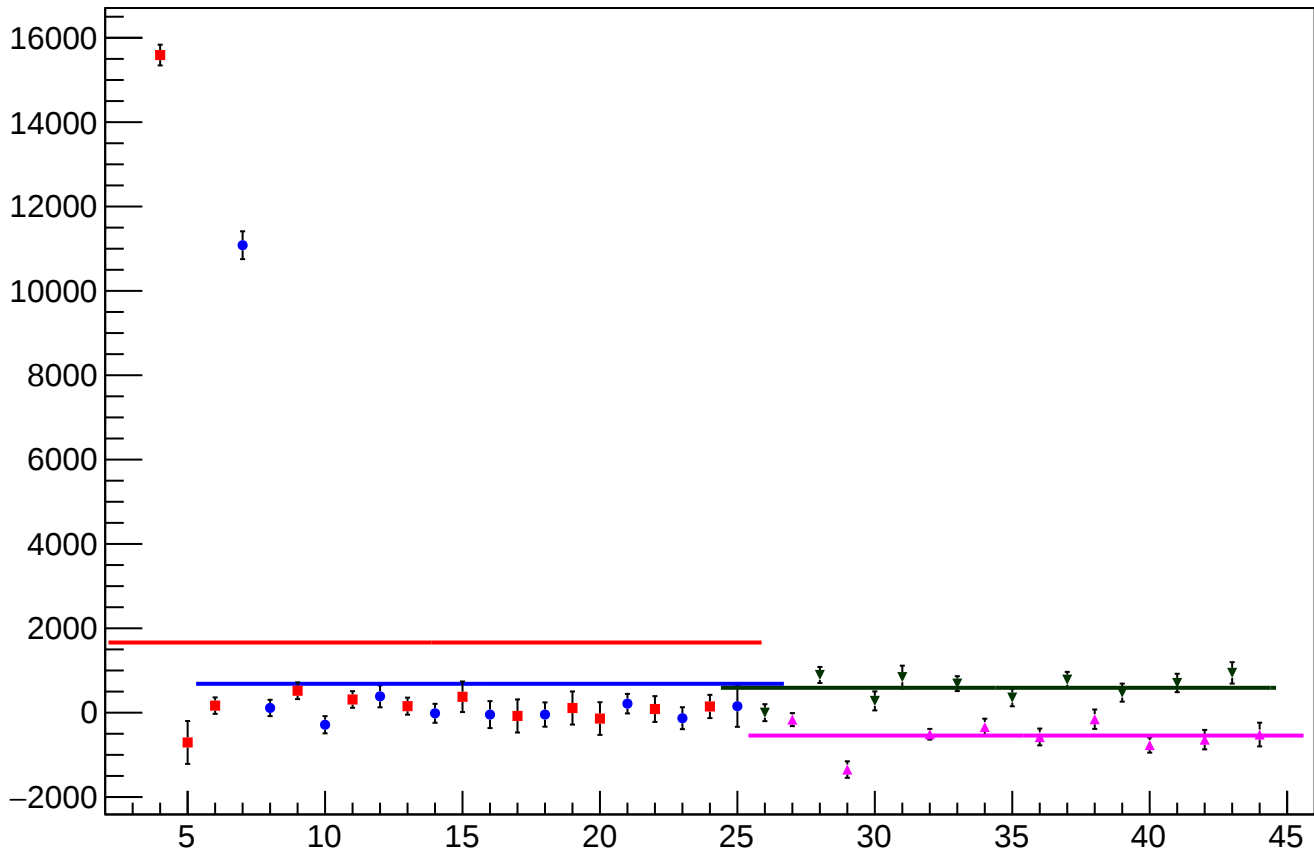
Right Out: 356.465 ± 0.104 $\chi^2/\text{NDF}: 650032.0/11$

Left In: 325.557 ± 0.100 $\chi^2/\text{NDF}: 646591.2/8$

356.202 ± 0.076 $\chi^2/\text{NDF}: 1327688.6/19$

340.396 ± 0.072 $\chi^2/\text{NDF}: 1342377.4/20$

asym_bpm0l01WS_mean vs slug



Right In: 684.597+/-80.654 χ^2/NDF : 1063.9/9

Left Out: 589.690+/-66.057 χ^2/NDF : 19.1/9

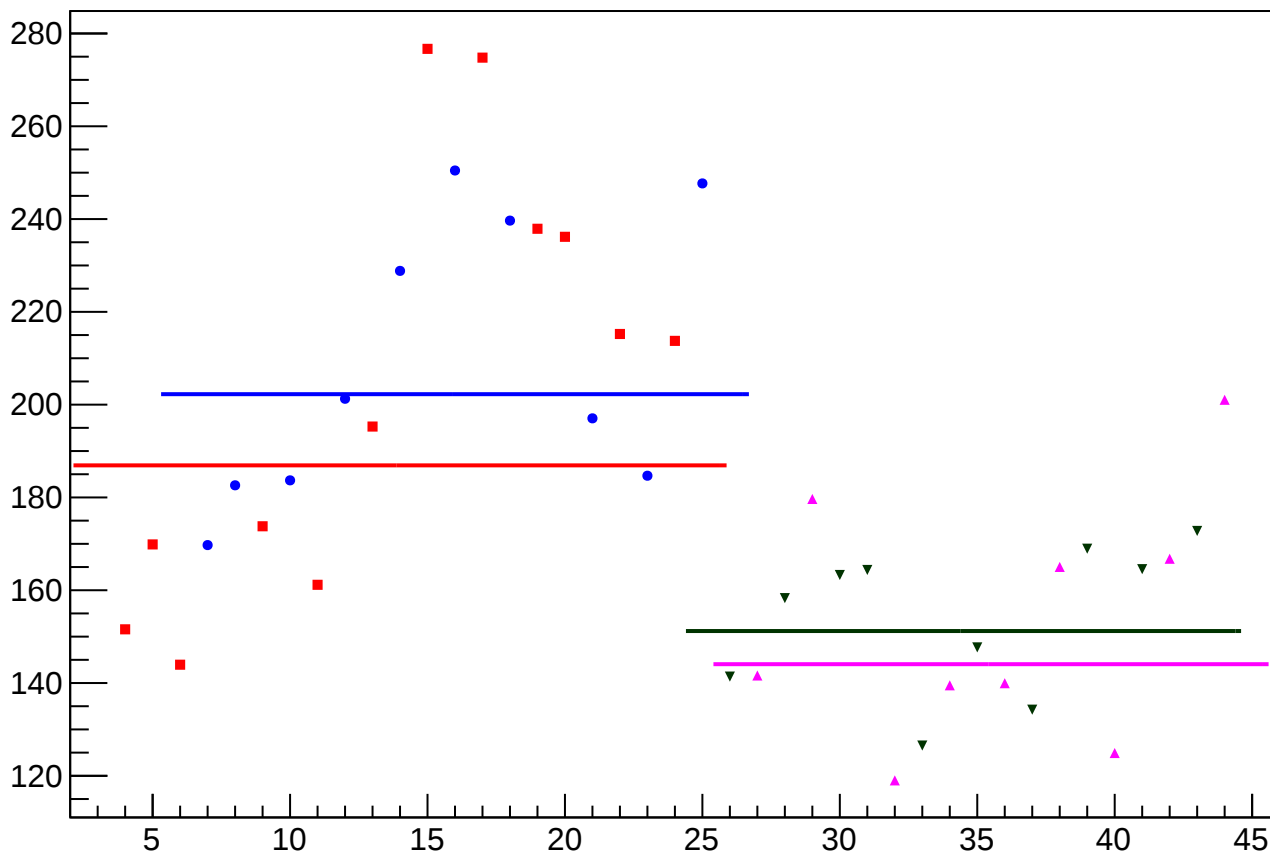
627.793+/-51.105 χ^2/NDF : 1083.9/19

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

335.495+/-47.902 χ^2/NDF : 4075.5/20

Left In: -542.908+/-61.747 χ^2/NDF : 28.6/8

asym_bpm0l01WS_rms vs slug



Right In: 202.258+/-0.057 χ^2/NDF : 191196.0/9

Left Out: 151.207+/-0.047 χ^2/NDF :110209.2/9

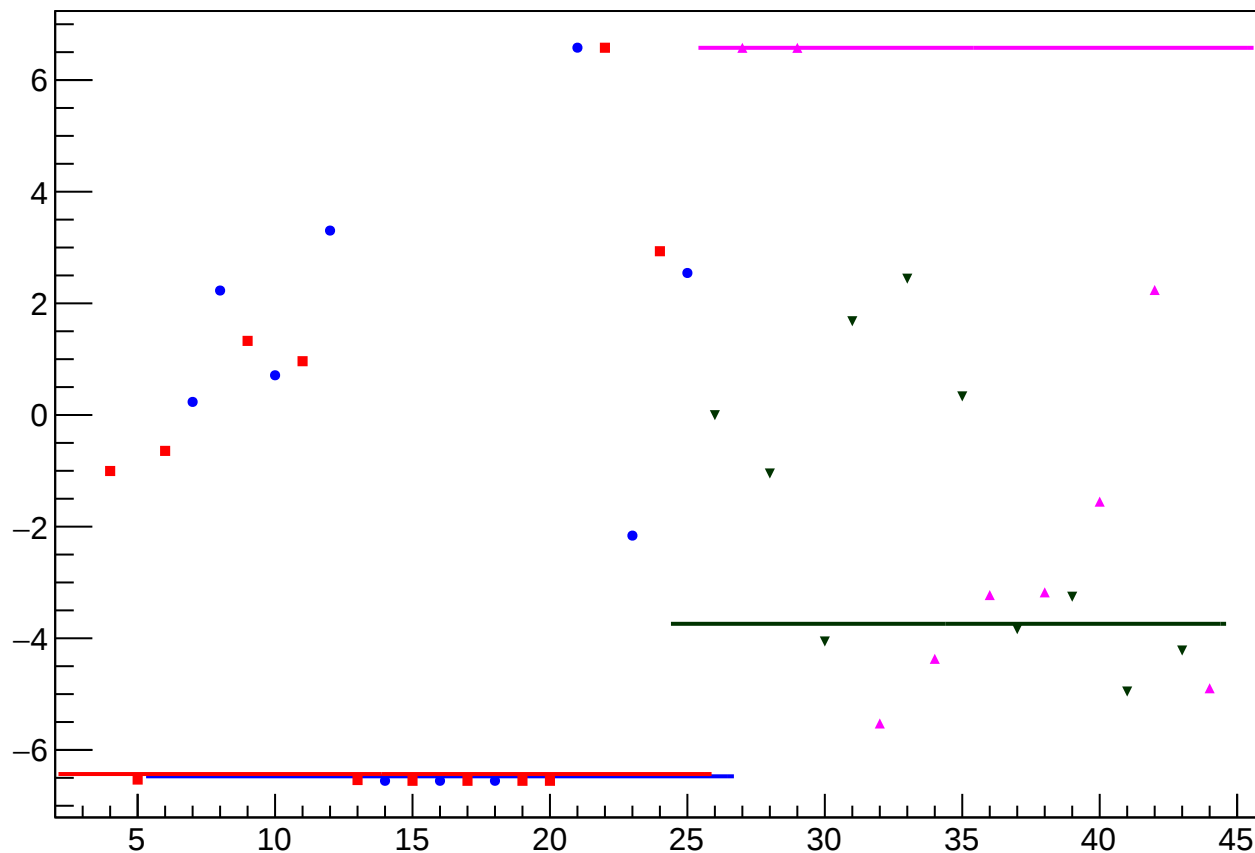
Right Out: 186.914+/-0.054 χ^2/NDF : 512292.6/11

Left In: 144.061+/-0.044 χ^2/NDF :287746.6/8

171.702+/-0.036 χ^2/NDF : 780989.1/19

161.123+/-0.034 χ^2/NDF : 1183580.4/20

yield_cav4bX_mean vs slug



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

Left Out: -3.741+/-0.001 χ^2/NDF : 5731885.1/9

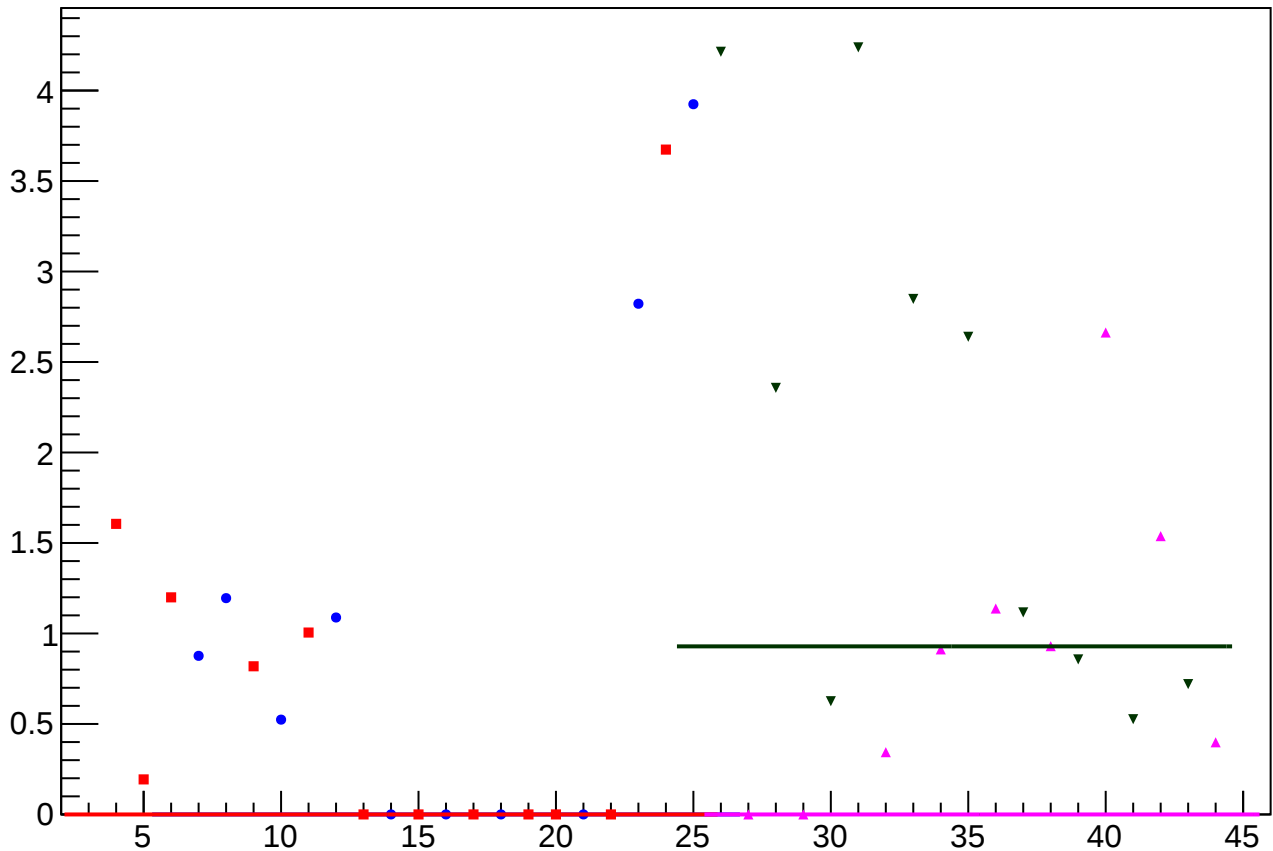
Right Out: -6.432+/-0.000 χ^2/NDF : 150837601506010.5/11

Left In: 6.578+/-0.000 χ^2/NDF : 822807717.8/8

-6.473+/-0.000 χ^2/NDF : 127847951967704.6/1

-6.315+/-0.000 χ^2/NDF : 297092111292693.0/2

yield_cav4bX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 4264427.3/9

Left Out: 0.929+/-0.000 χ^2/NDF :2482114.1/9

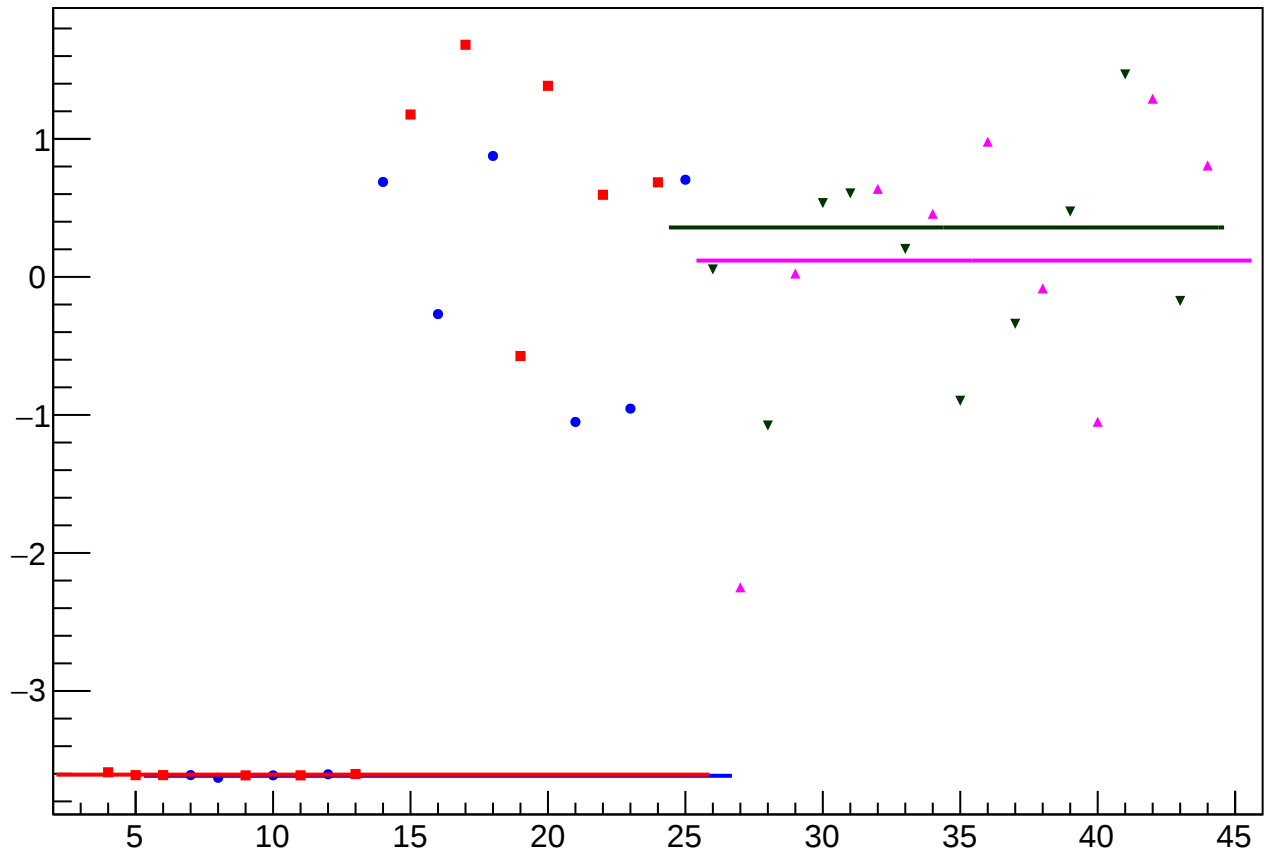
0.000+/-0.000 χ^2/NDF : 11056021.0/19

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

0.000+/-0.000 χ^2/NDF : 8704537.8/20

Left In: 0.000+/-0.000 χ^2/NDF :4631448.1/8

yield_cav4bY_mean vs slug



Right In: -3.614+/-0.000 χ^2/NDF : 49061627309.8/9

-3.614+/-0.000 χ^2/NDF : 49215868601.9/19

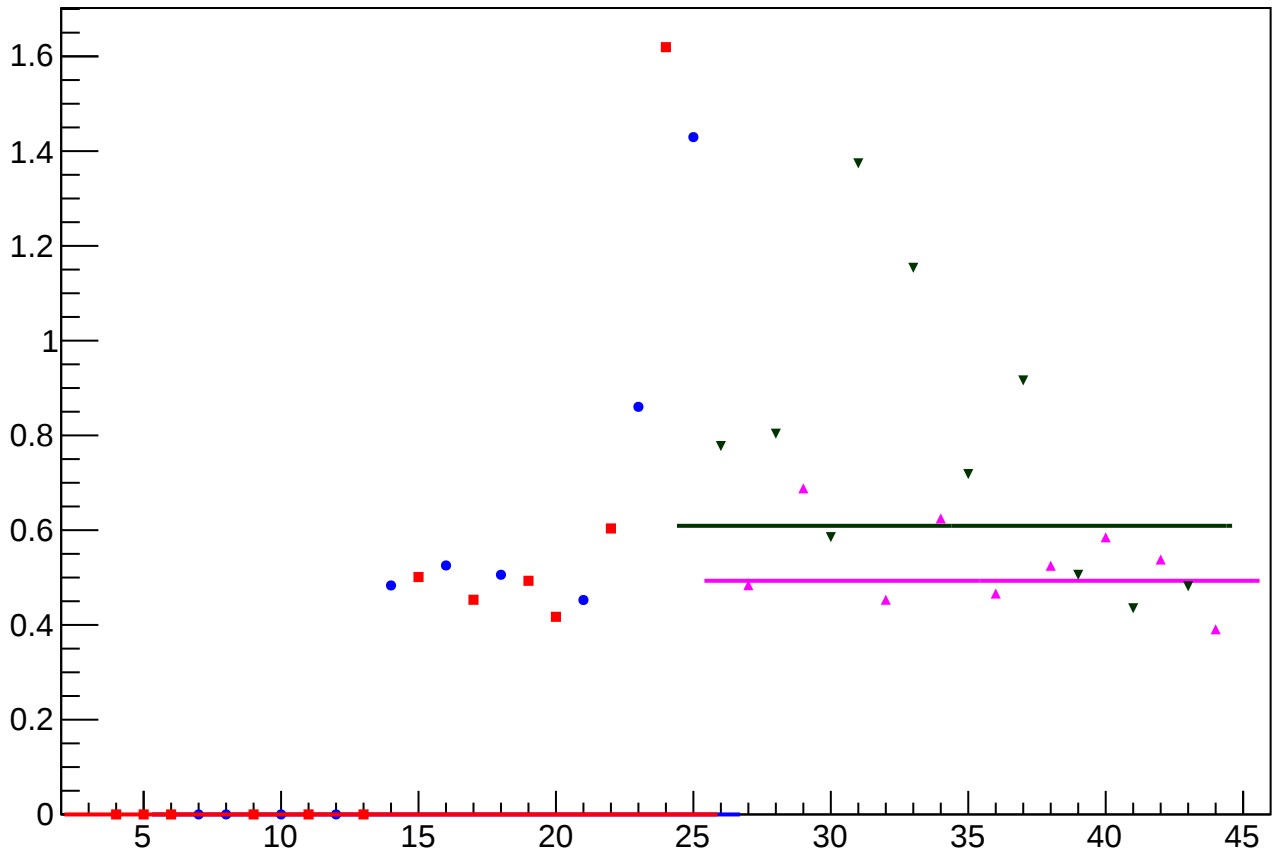
Left Out: 0.358+/-0.000 χ^2/NDF : 6673360.6/9

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

-3.606+/-0.000 χ^2/NDF : 37989551775.5/20

Left In: 0.119+/-0.000 χ^2/NDF : 20120606.4/8

yield_cav4bY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 5803105.9/9

Left Out: 0.609+/-0.000 χ^2/NDF : 799340.0/9

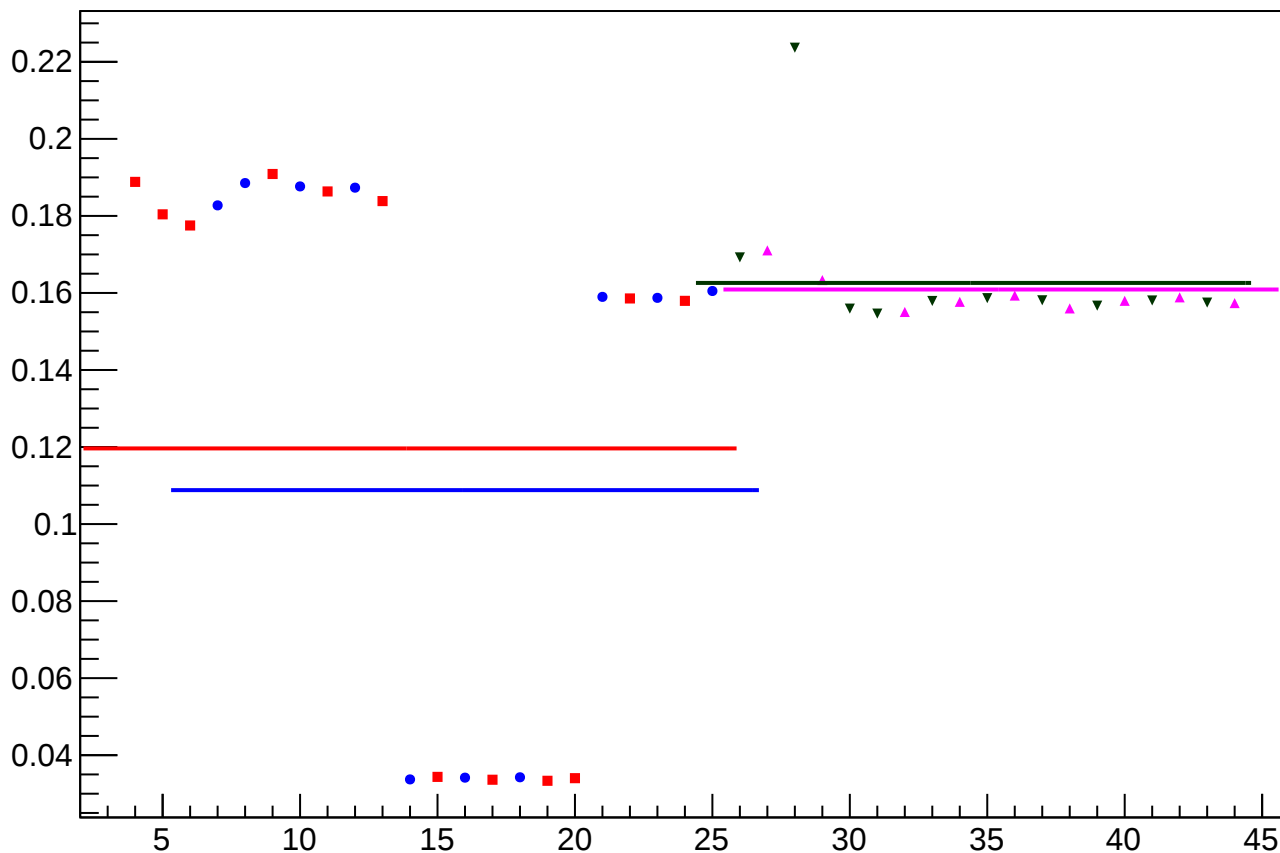
0.000+/-0.000 χ^2/NDF : 13540477.9/19

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

0.000+/-0.000 χ^2/NDF : 12110750.7/20

Left In: 0.493+/-0.000 χ^2/NDF : 214040.2/8

yield_cav4cX_mean vs slug



Right In: 0.109 $\pm$ 0.000 χ^2 /NDF: 4567388624.2/9

Left Out: 0.163 $\pm$ 0.000 χ^2 /NDF:101593637.2/9

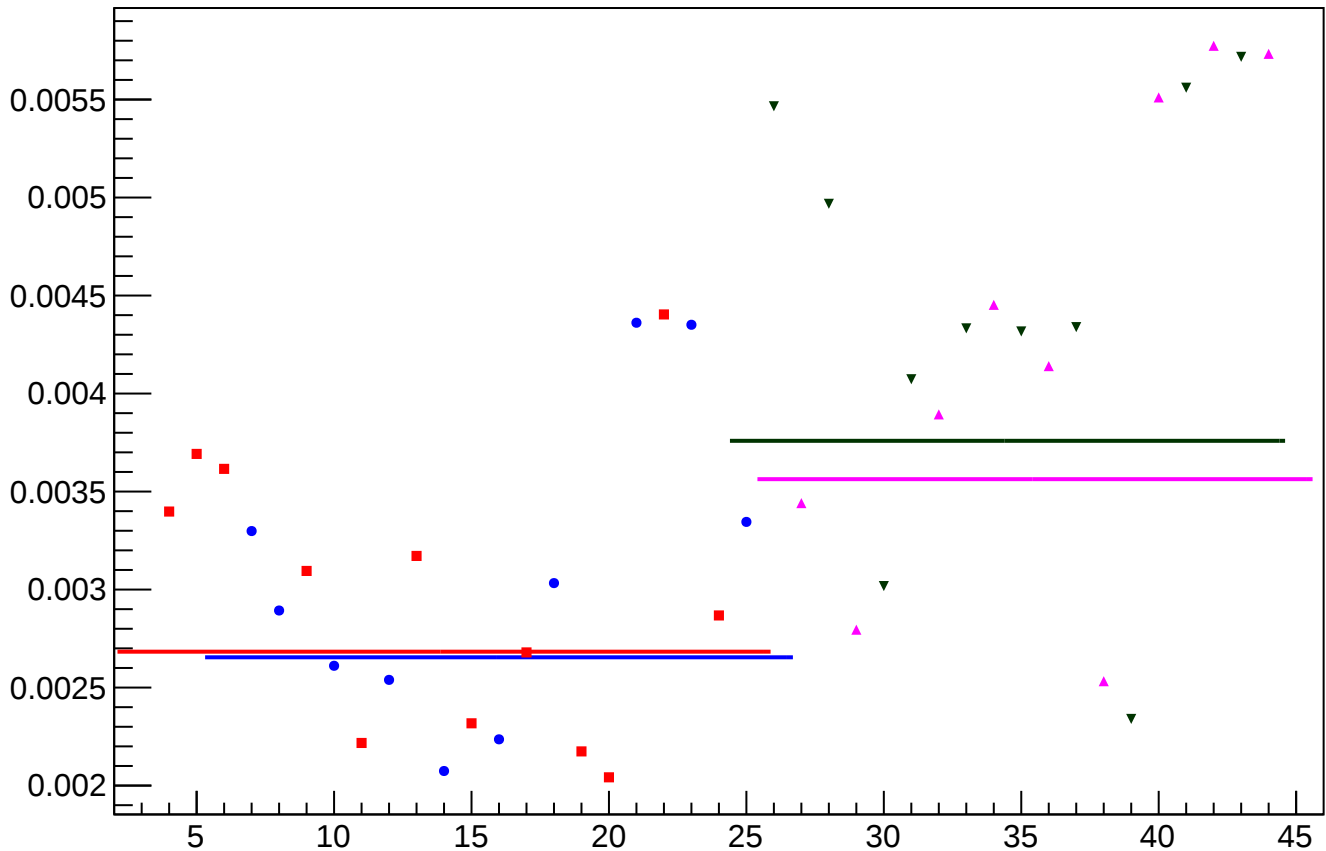
Right Out: 0.120 $\pm$ 0.000 χ^2 /NDF: 4203649870.8/11

Left In: 0.161 $\pm$ 0.000 χ^2 /NDF:11671584.7/8

0.124 $\pm$ 0.000 χ^2 /NDF: 5343601437.1/19

0.133 $\pm$ 0.000 χ^2 /NDF: 4659136980.3/20

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 : 884952.0/9

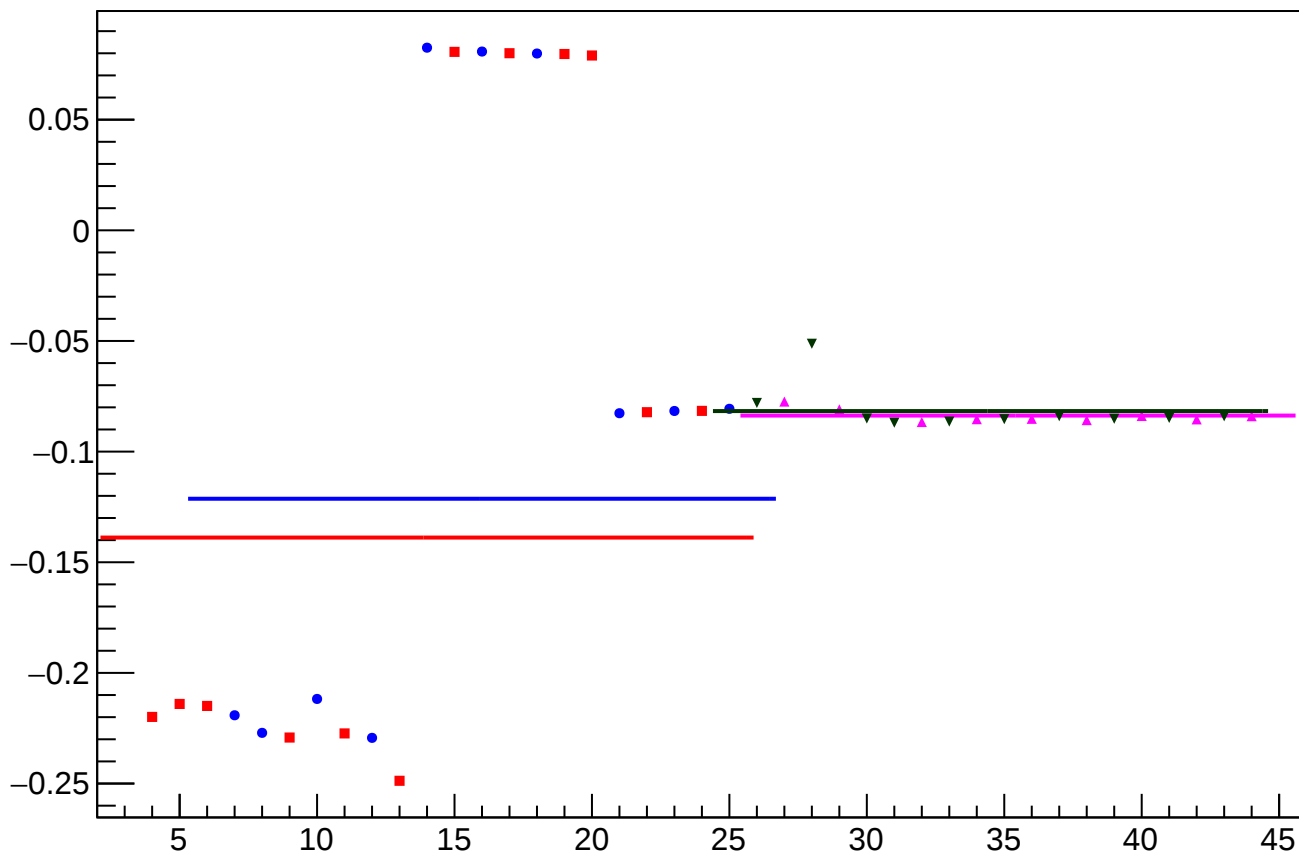
Right Out: 0.003+/-0.000 χ^2/NDF : 526292.2/11

Left In: 0.004+/-0.000 χ^2/NDF : 752035.9/8

0.003+/-0.000 χ^2/NDF : 2093316.5/19

0.003+/-0.000 χ^2/NDF : 1682231.1/20

yield_cav4cY_mean vs slug



Right In: -0.121+/-0.000 χ^2/NDF : 9521473366.6/9

Left Out: -0.082+/-0.000 χ^2/NDF : 35856752.9/9

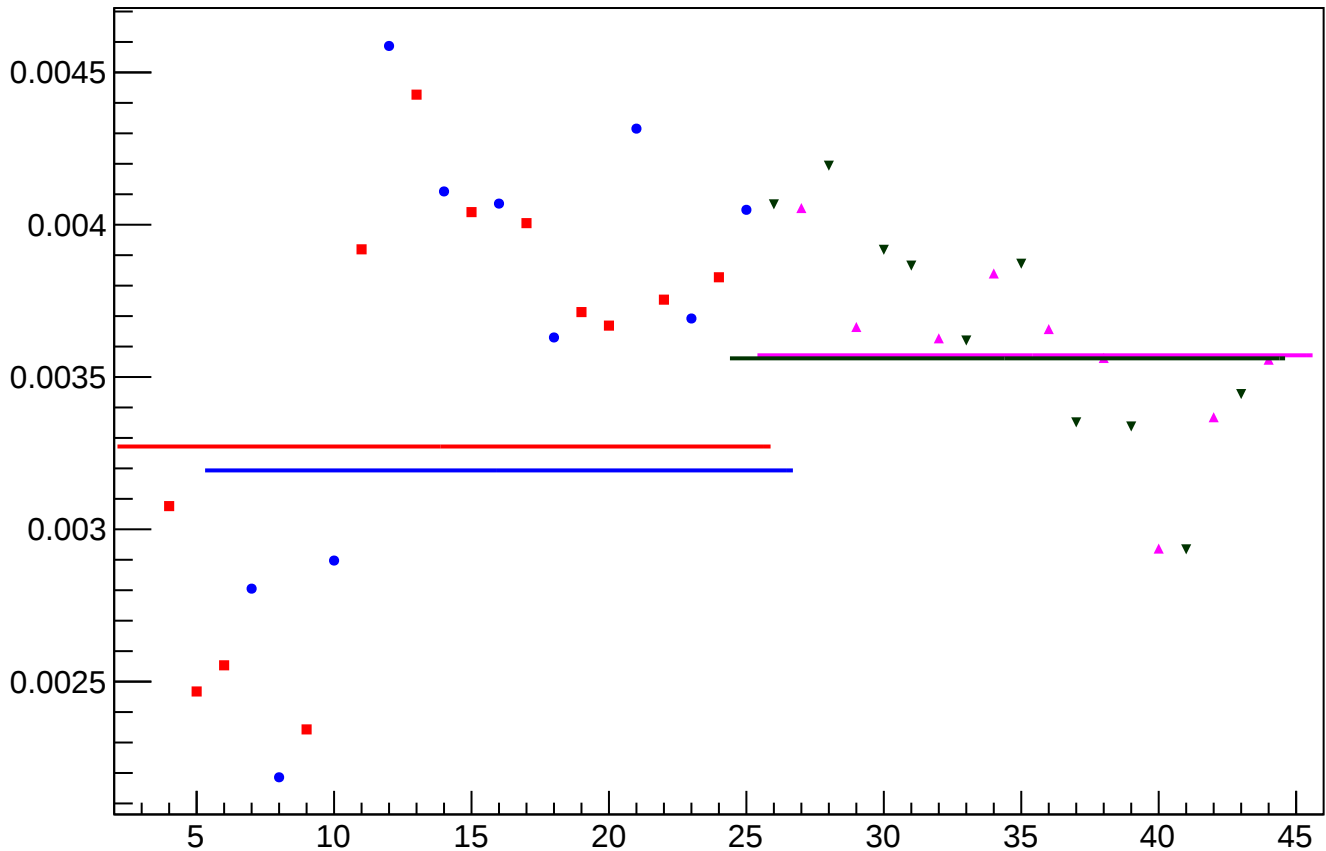
Right Out: -0.139+/-0.000 χ^2/NDF : 8617094052.4/11

Left In: -0.084+/-0.000 χ^2/NDF : 3521413.4/8

-0.105+/-0.000 χ^2/NDF : 9923536733.6/19

-0.114+/-0.000 χ^2/NDF : 9341023197.5/20

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 :124023.6/9

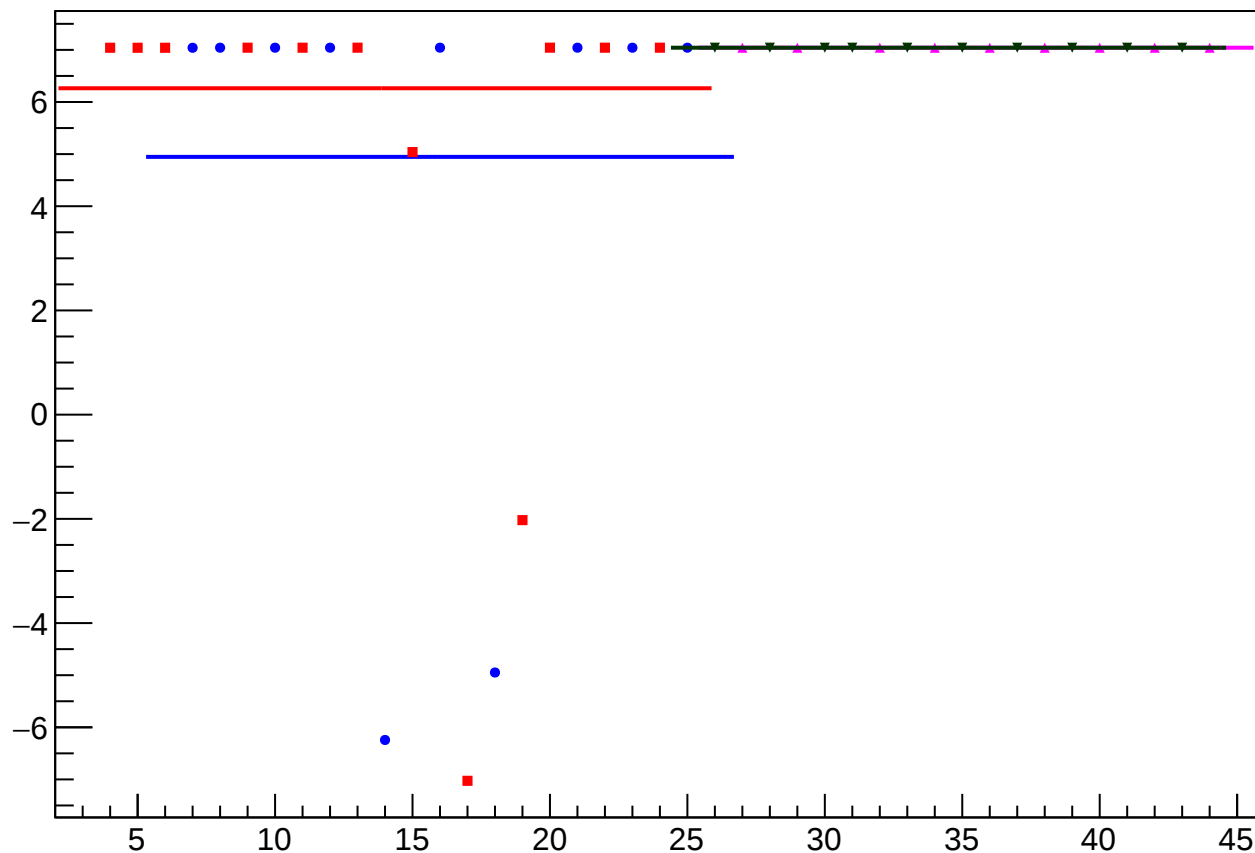
0.003+/-0.000 χ^2/NDF : 1003303.0/19

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

0.003+/-0.000 χ^2/NDF : 737035.1/20

Left In: 0.004+/-0.000 χ^2/NDF :79207.1/8

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 : 765209.6/9

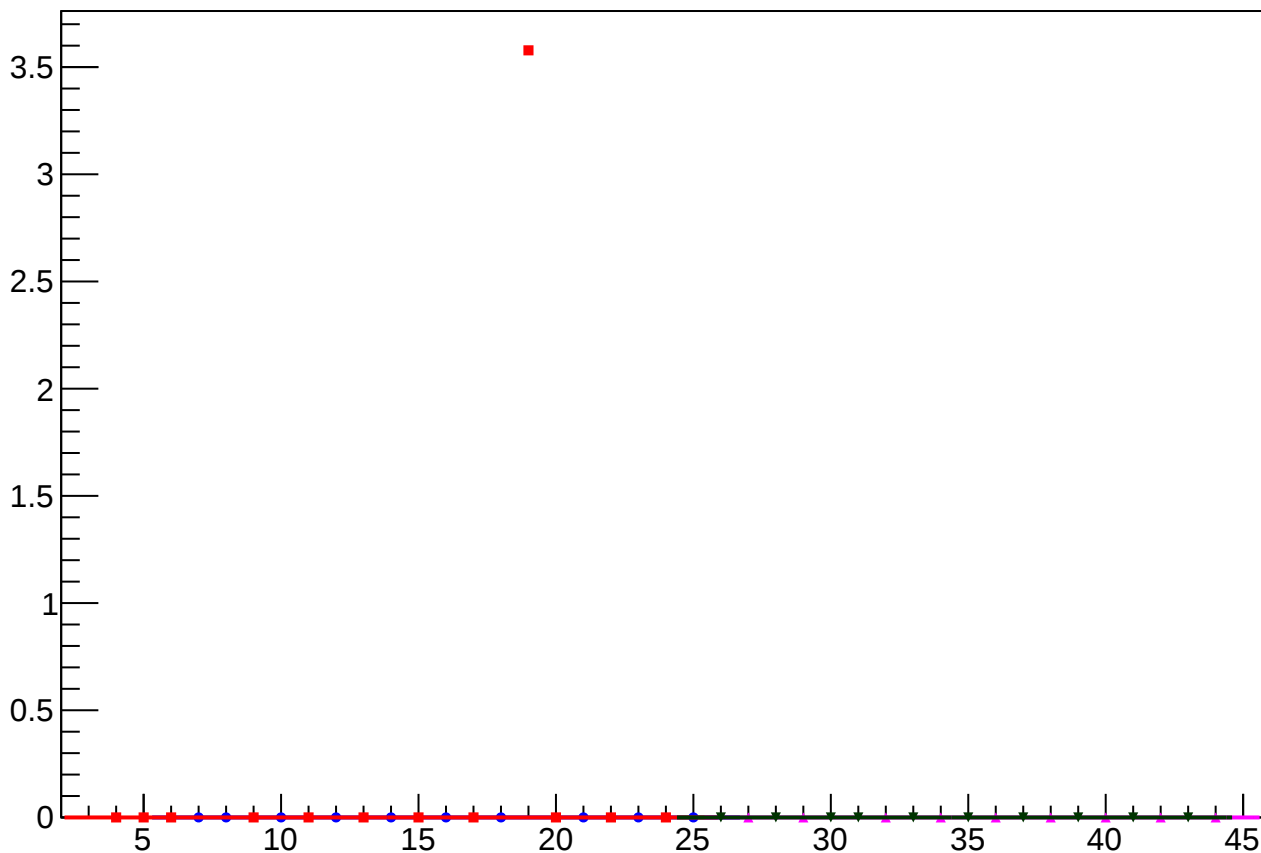
Right Out: 6.264+/-0.000 χ^2/NDF : 1812076141929126.0/11

Left In: 7.042+/-0.000 χ^2/NDF : 540646.4/8

6.044+/-0.000 χ^2/NDF : 4647574866906655.0/1

6.689+/-0.000 χ^2/NDF : 1871875312334204.2/2

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:1535.6/9

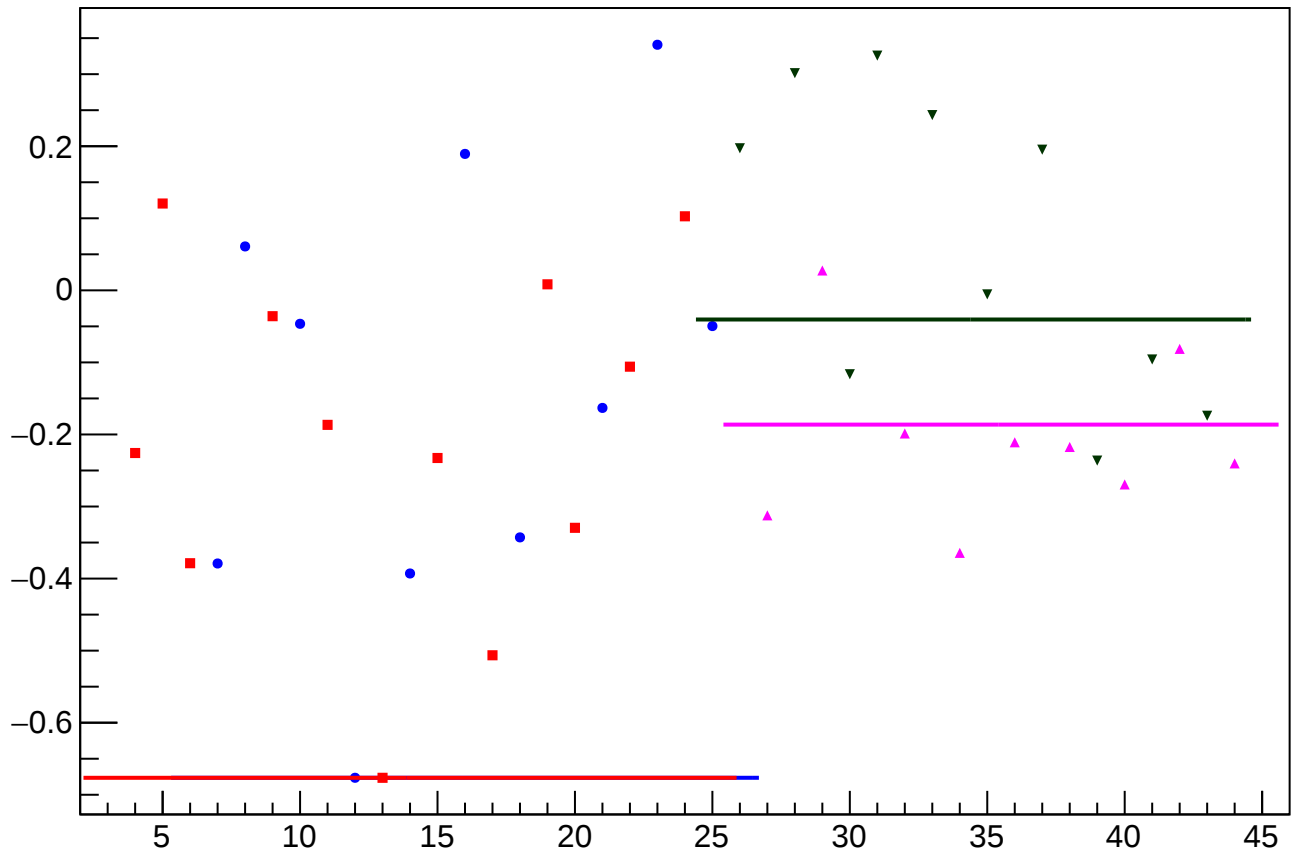
Right Out: 0.000+/-0.000 χ^2 /NDF: 696528.7/11

Left In: 0.000+/-0.000 χ^2 /NDF:1769.6/8

0.000+/-0.000 χ^2 /NDF: 5103.0/19

0.000+/-0.000 χ^2 /NDF: 701877.0/20

yield_cav4dY_mean vs slug



Right In: -0.676+/-0.000 χ^2/NDF : 214817629.7/9

Left Out: -0.040+/-0.000 χ^2/NDF : 16704113.3/9

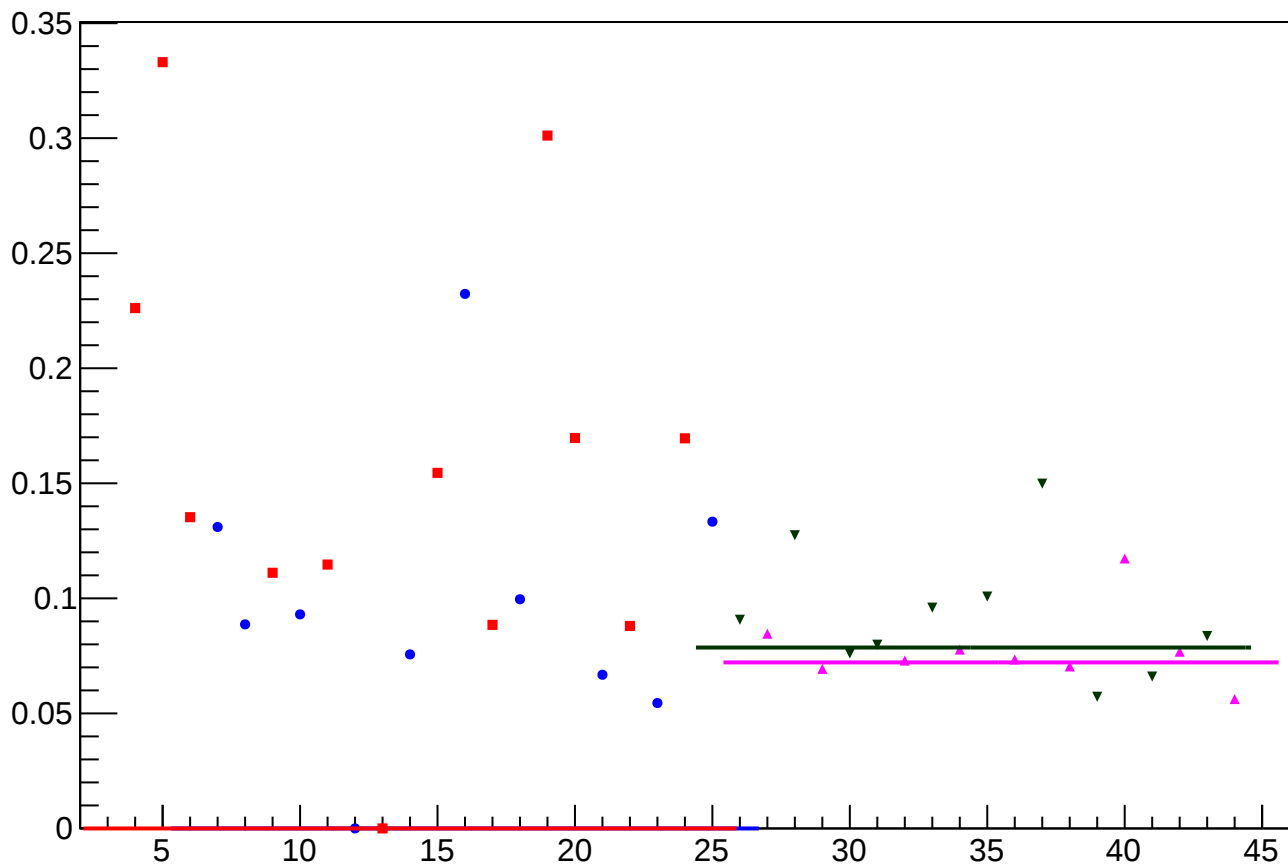
Right Out: -0.676+/-0.000 χ^2/NDF : 65929973.4/11

Left In: -0.186+/-0.000 χ^2/NDF : 8365095.9/8

-0.676+/-0.000 χ^2/NDF : 419557132.0/19

-0.676+/-0.000 χ^2/NDF : 231777462.6/20

yield_cav4dY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 8329805.9/9

Left Out: 0.079+/-0.000 χ^2/NDF :452862.6/9

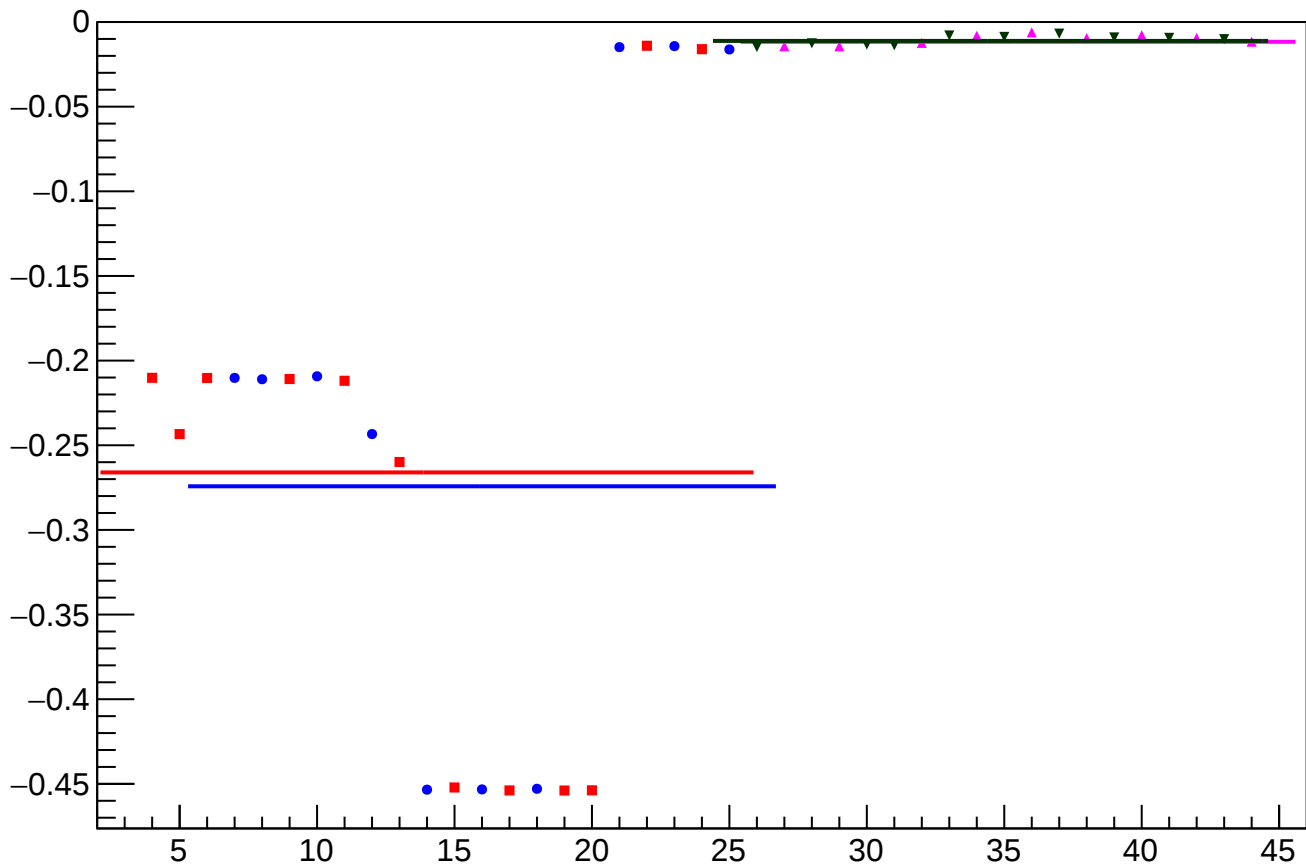
Right Out: 0.000+/-0.000 χ^2/NDF : 8085708.6/11

Left In: 0.072+/-0.000 χ^2/NDF :192884.5/8

0.000+/-0.000 χ^2/NDF : 14529416.0/19

0.000+/-0.000 χ^2/NDF : 15103780.4/20

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 : 401443.1/9

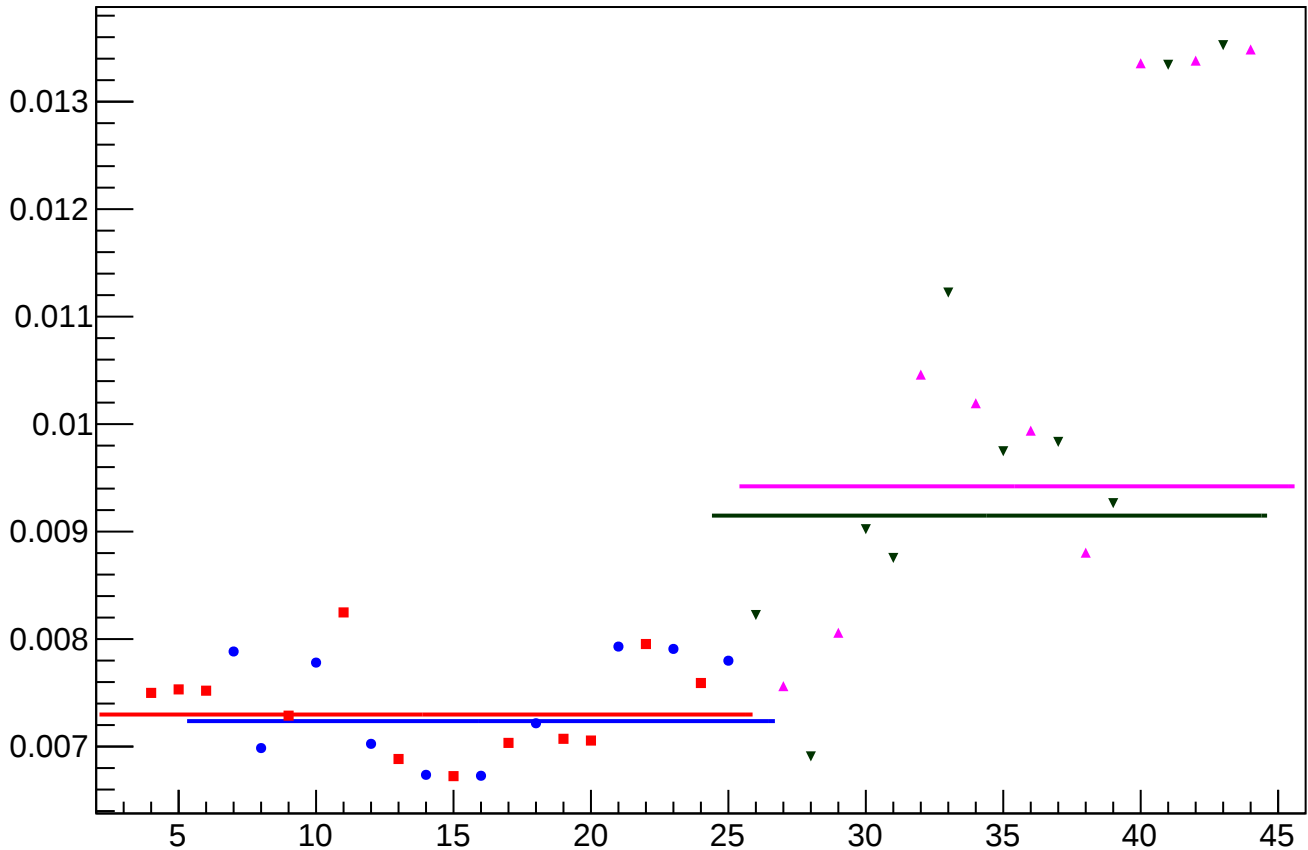
-0.187+/-0.000 χ^2/NDF : 6137507531.5/19

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

-0.181+/-0.000 χ^2/NDF : 5191090935.7/20

Left In: -0.012+/-0.000 χ^2/NDF : 495469.4/8

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 : 410320.9/9

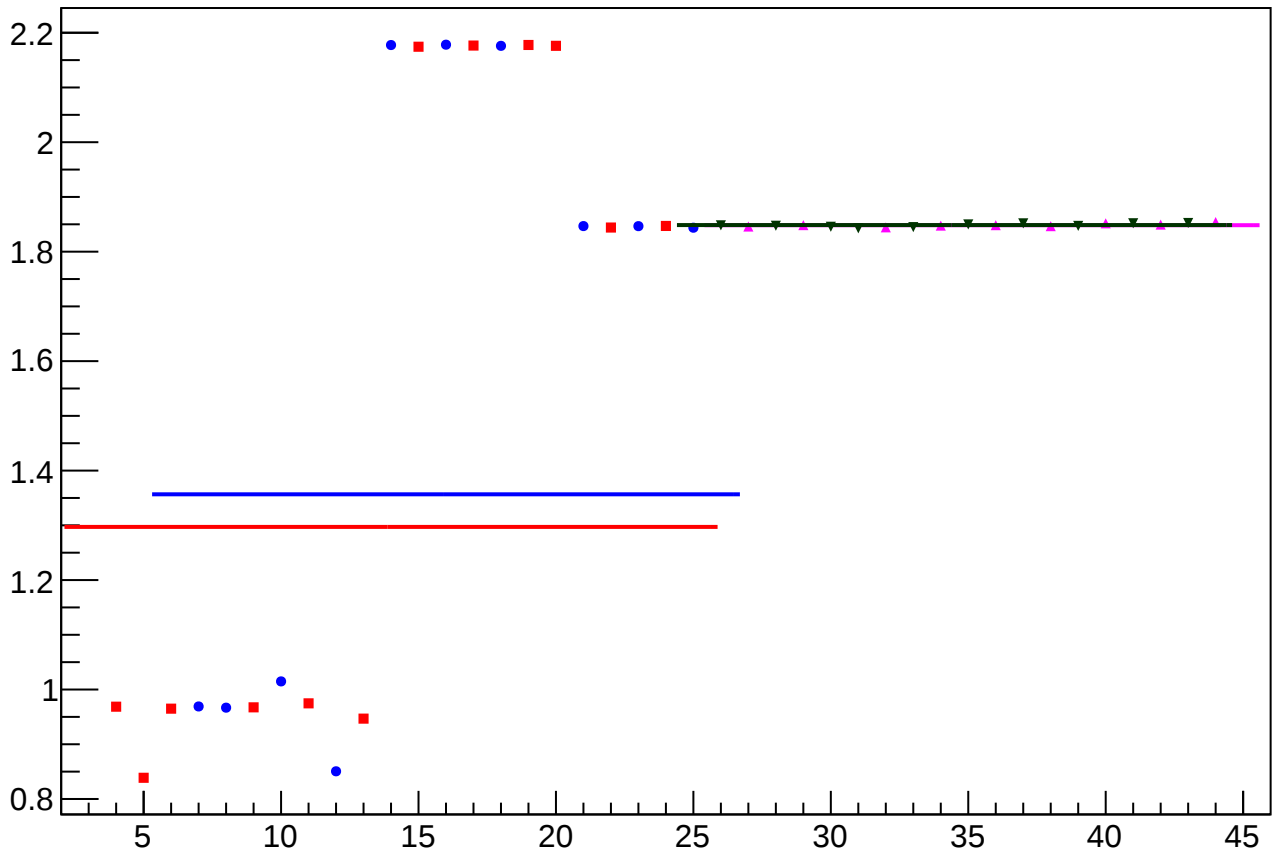
0.008+/-0.000 χ^2/NDF : 758228.3/19

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

0.008+/-0.000 χ^2/NDF : 855431.3/20

Left In: 0.009+/-0.000 χ^2/NDF : 449025.1/8

yield_bpm4aY_mean vs slug



Right In: 1.357+/-0.000 χ^2/NDF : 12373287295.8/9

Left Out: 1.849+/-0.000 χ^2/NDF : 239961.3/9

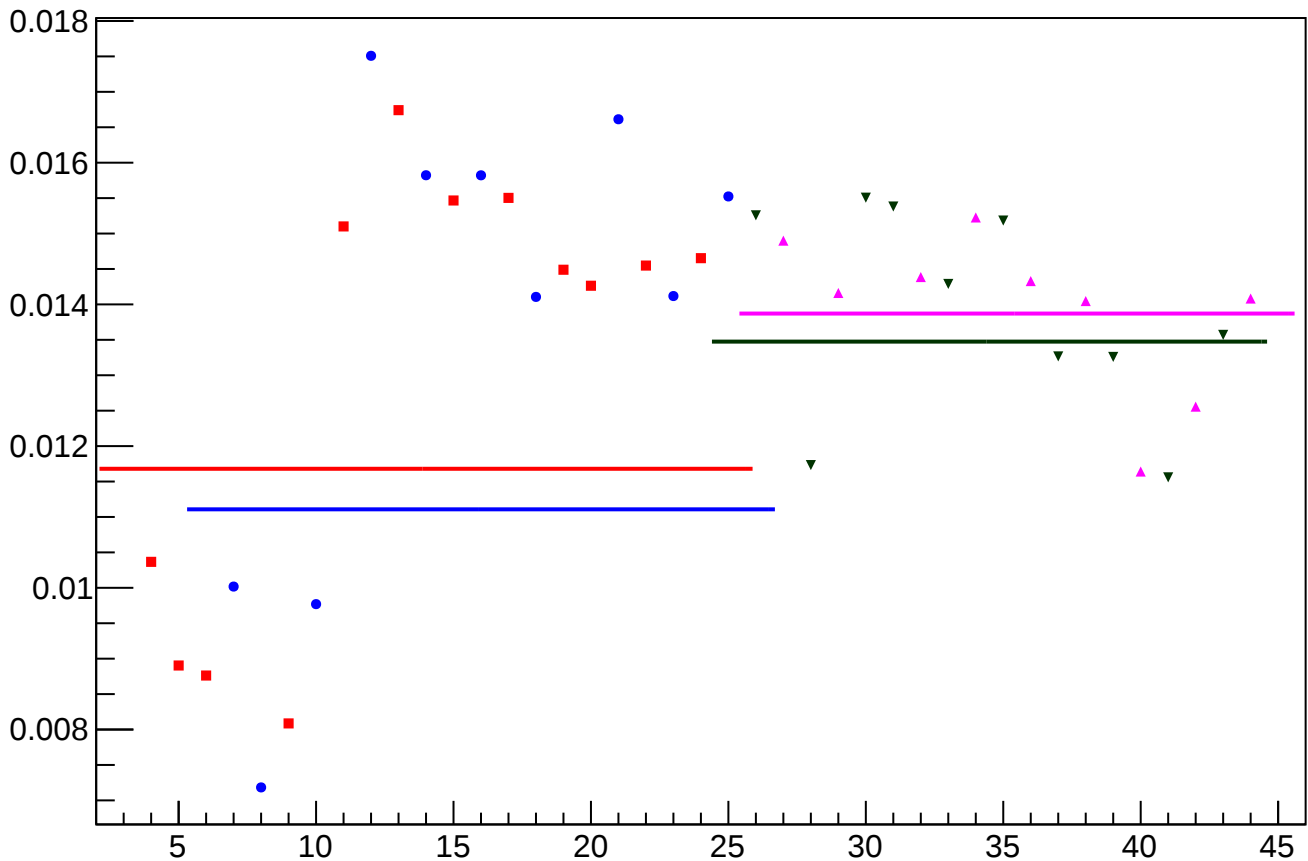
1.545+/-0.000 χ^2/NDF : 16510749748.0/19

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

1.520+/-0.000 χ^2/NDF : 16078471813.7/20

Left In: 1.848+/-0.000 χ^2/NDF : 226687.9/8

yield_bpm4aY_rms vs slug



Right In: 0.011+/-0.000 χ^2/NDF : 1302674.8/9

Left Out: 0.013+/-0.000 χ^2/NDF : 115364.2/9

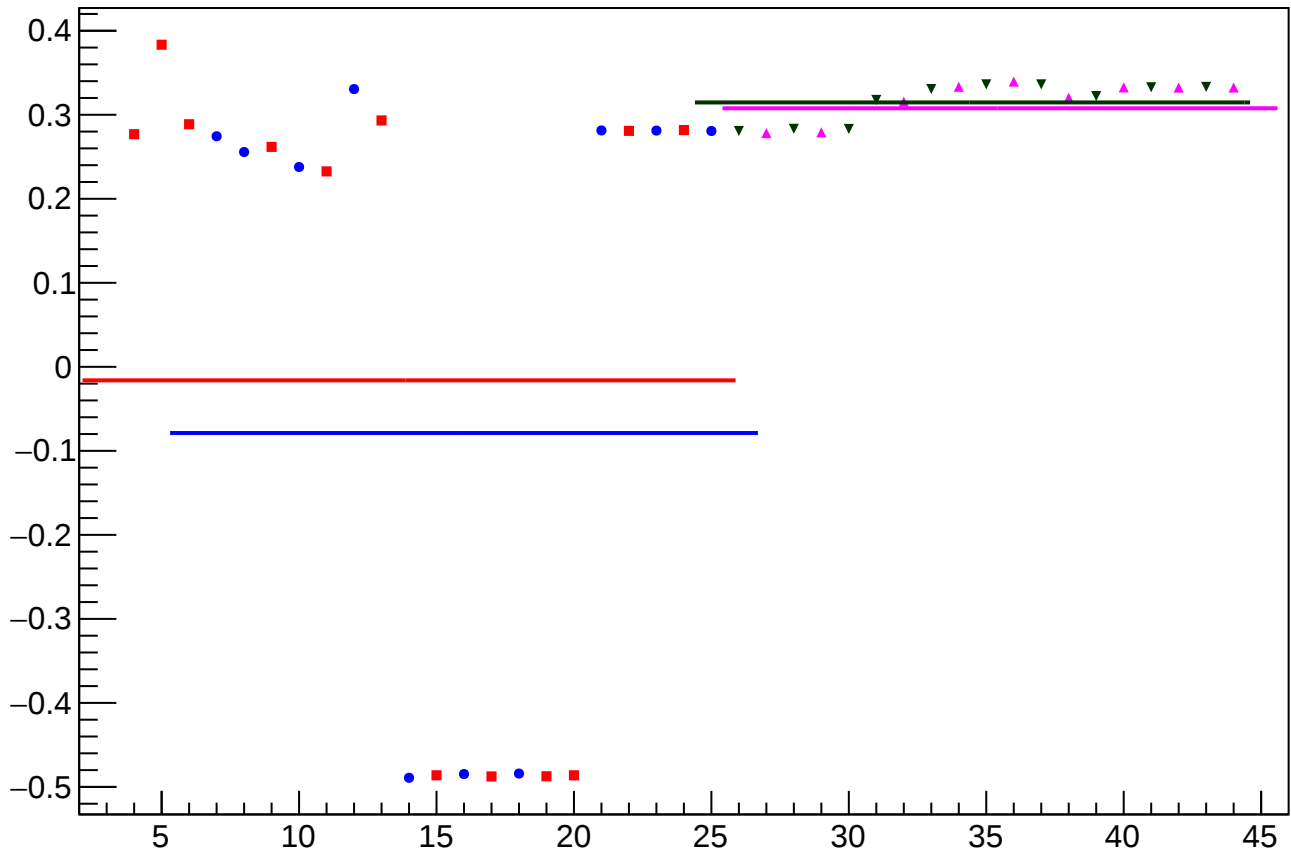
Right Out: 0.012+/-0.000 χ^2/NDF : 930559.5/11

Left In: 0.014+/-0.000 χ^2/NDF : 66613.9/8

0.012+/-0.000 χ^2/NDF : 1609631.7/19

0.013+/-0.000 χ^2/NDF : 1159234.7/20

yield_bpm4eX_mean vs slug



Right In: -0.079+/-0.000 χ^2/NDF : 2891377449.8/9

Left Out: 0.315+/-0.000 χ^2/NDF : 5189197.9/9

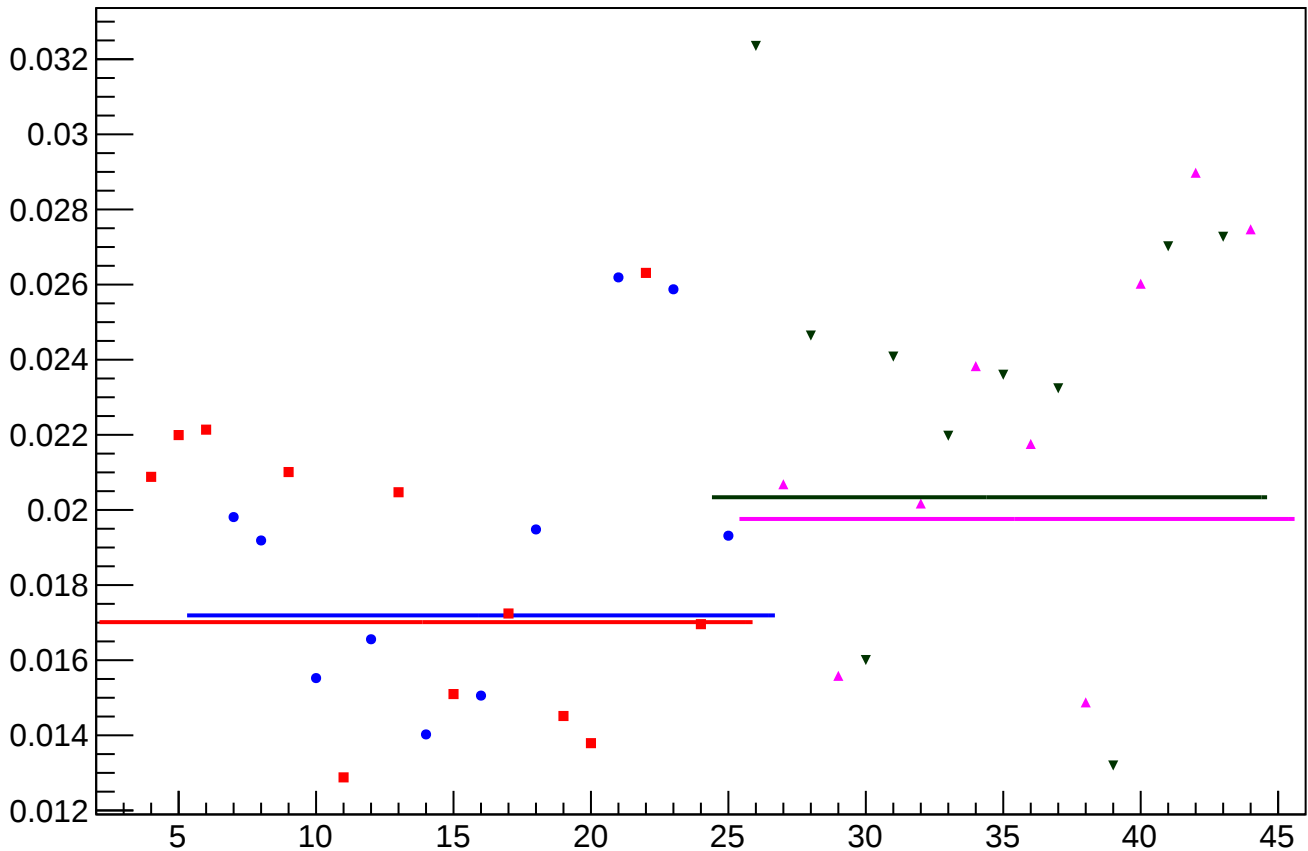
0.063+/-0.000 χ^2/NDF : 4016483334.0/19

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

0.109+/-0.000 χ^2/NDF : 3571918724.8/20

Left In: 0.308+/-0.000 χ^2/NDF : 7383992.6/8

yield_bpm4eX_rms vs slug



Right In: 0.017+/-0.000 χ^2/NDF : 479022.3/9

Left Out: 0.020+/-0.000 χ^2/NDF : 733336.7/9

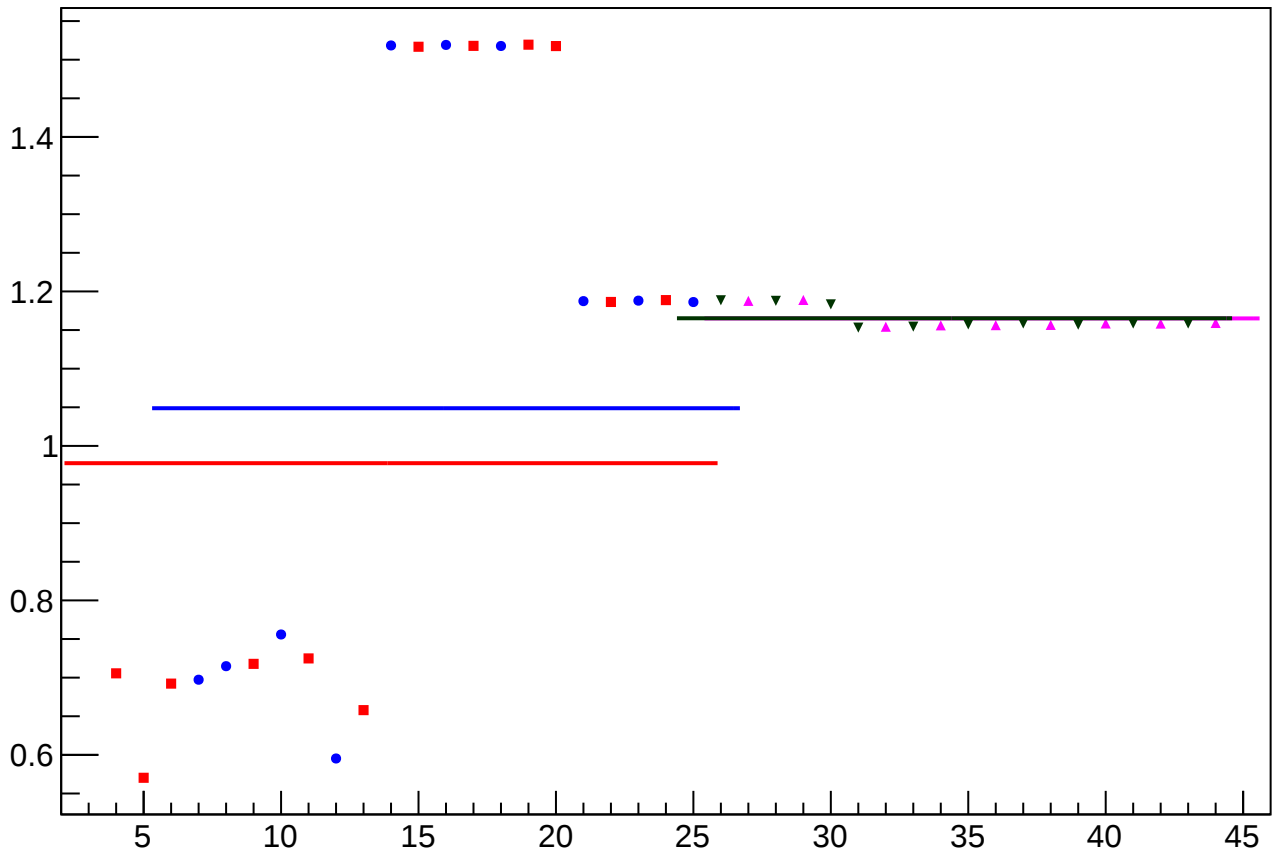
Right Out: 0.017+/-0.000 χ^2/NDF : 541970.9/11

Left In: 0.020+/-0.000 χ^2/NDF : 482021.9/8

0.018+/-0.000 χ^2/NDF : 1355506.7/19

0.018+/-0.000 χ^2/NDF : 1142766.7/20

yield_bpm4eY_mean vs slug



Right In: 1.049+/-0.000 χ^2/NDF : 10266738028.3/9

Left Out: 1.165+/-0.000 χ^2/NDF :12143638.8/9

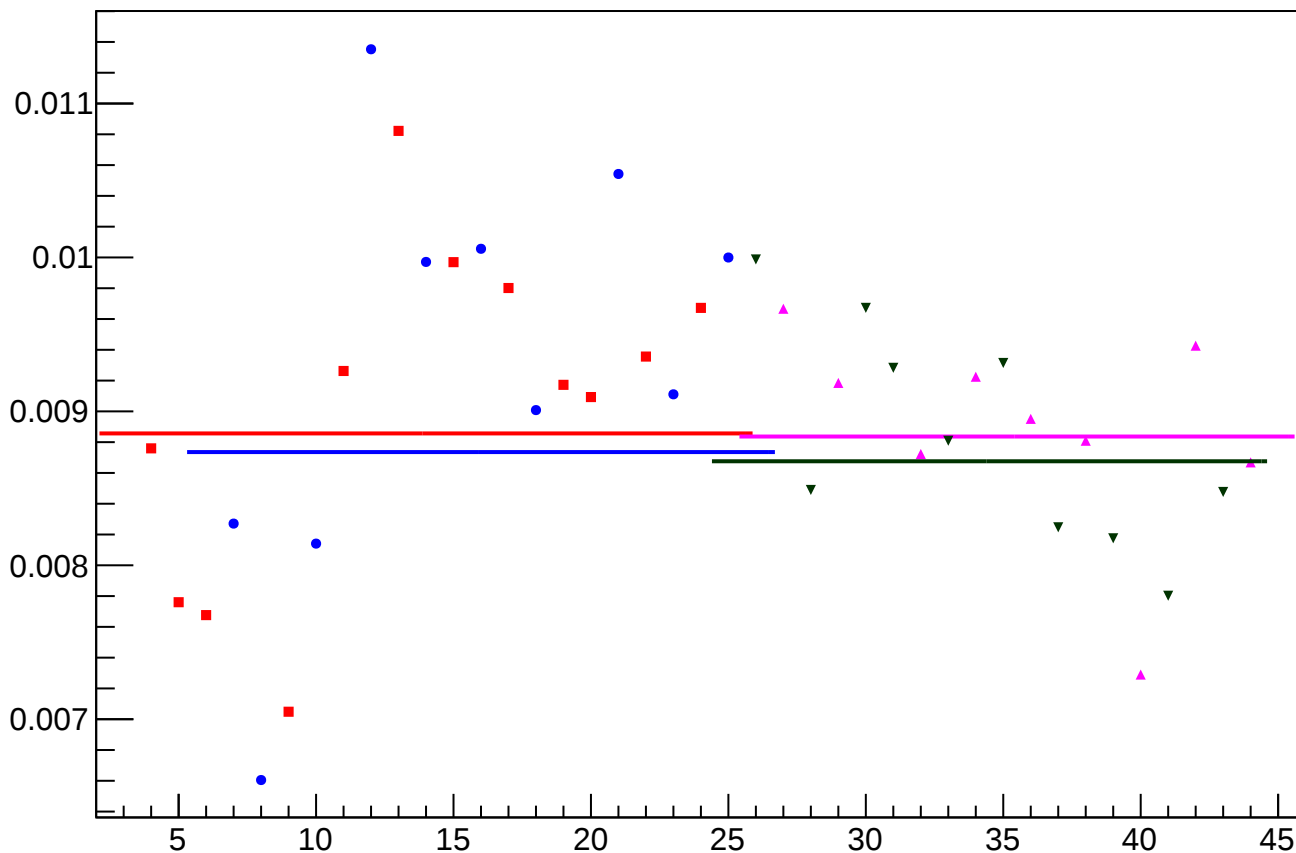
1.102+/-0.000 χ^2/NDF : 10773255908.3/19

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

1.066+/-0.000 χ^2/NDF : 11191690261.5/20

Left In: 1.165+/-0.000 χ^2/NDF :13354823.7/8

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 : 57413.1/9

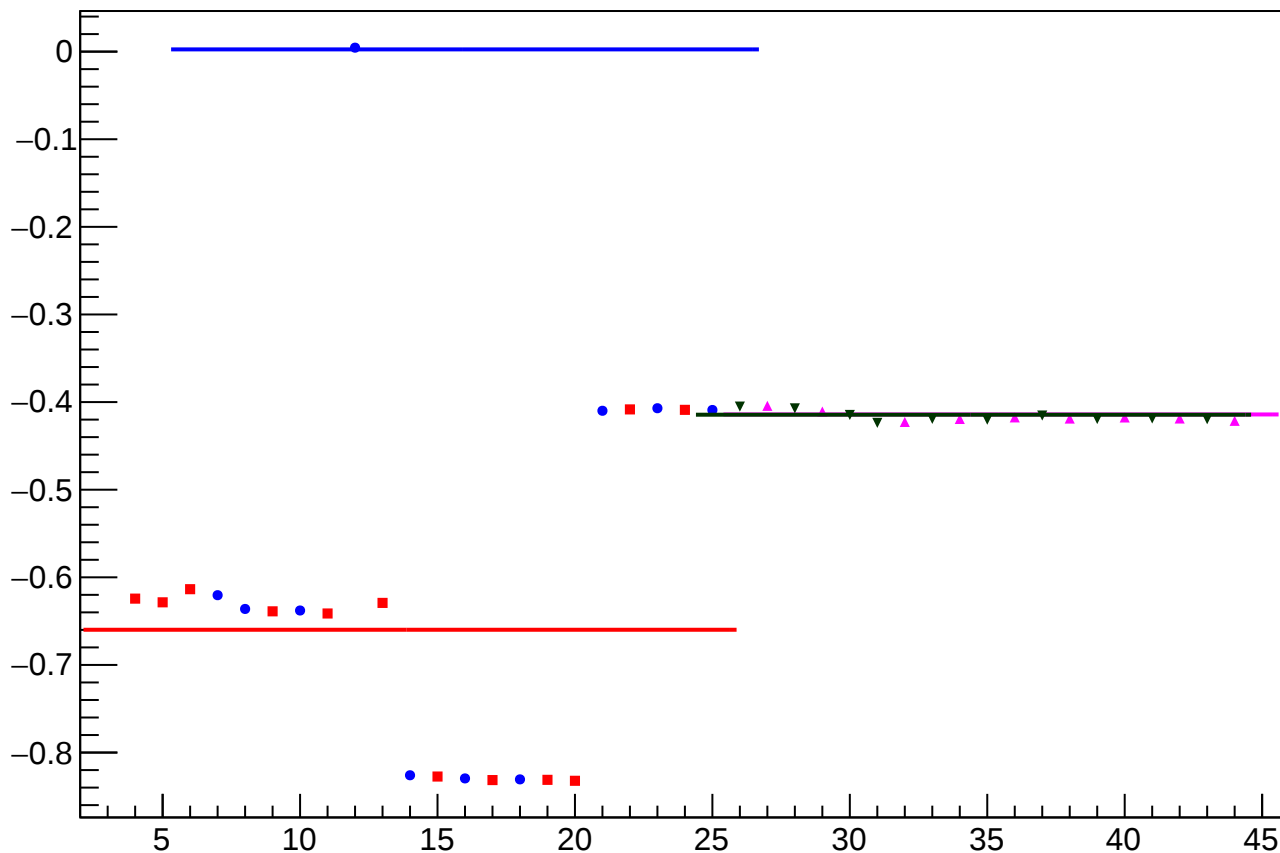
Right Out: 0.009+/-0.000 χ^2/NDF : 223846.5/11

Left In: 0.009+/-0.000 χ^2/NDF : 63755.7/8

0.009+/-0.000 χ^2/NDF : 417171.0/19

0.009+/-0.000 χ^2/NDF : 287631.7/20

yield_bpm4acX_mean vs slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 51925247581.1/9

Left Out: -0.414 $\pm$ 0.000 χ^2 /NDF: 2260145.2/9

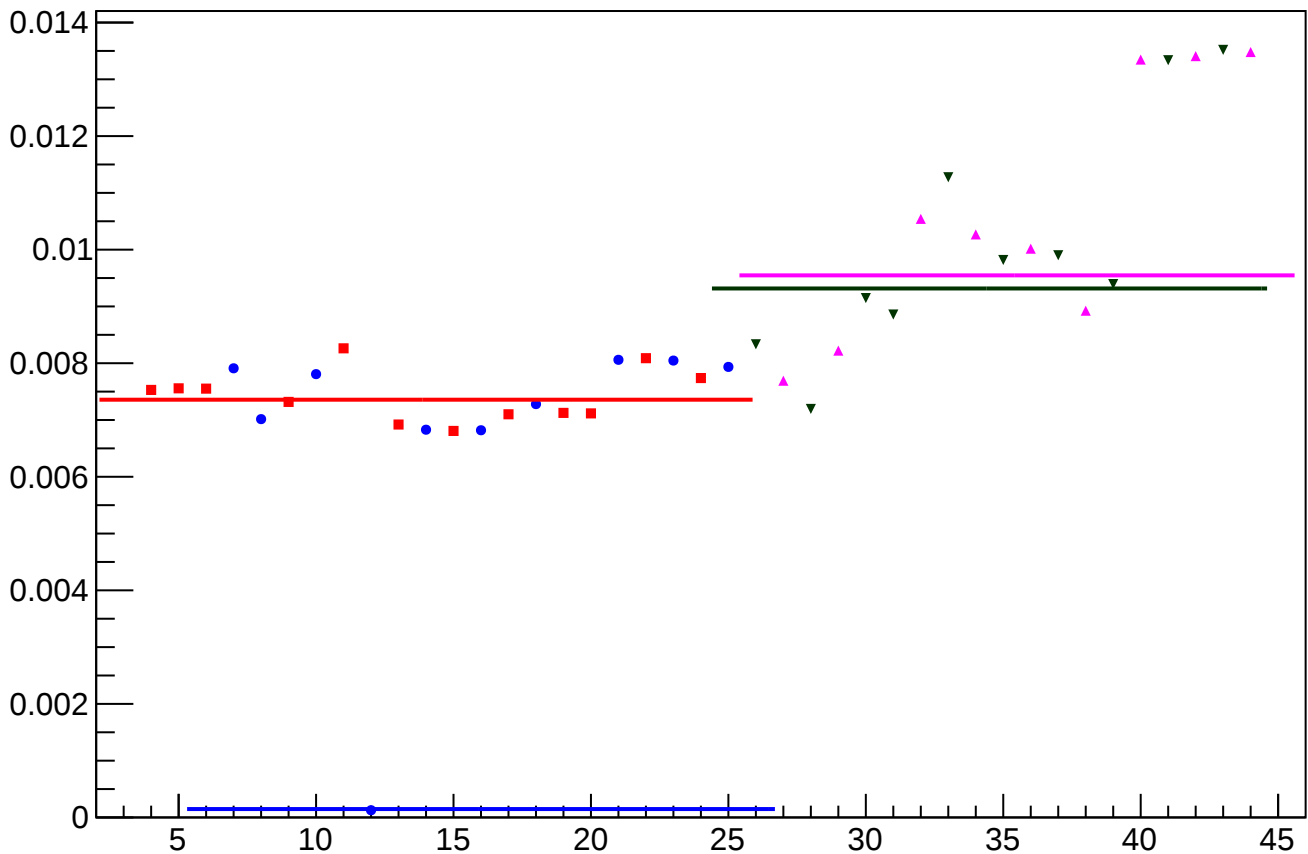
Right Out: -0.660 $\pm$ 0.000 χ^2 /NDF: 2254569212.9/11

Left In: -0.414 $\pm$ 0.000 χ^2 /NDF: 2651942.7/8

0.002 $\pm$ 0.000 χ^2 /NDF: 62045615819.7/19

-0.578 $\pm$ 0.000 χ^2 /NDF: 4616010360.0/20

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 : 365508.7/9

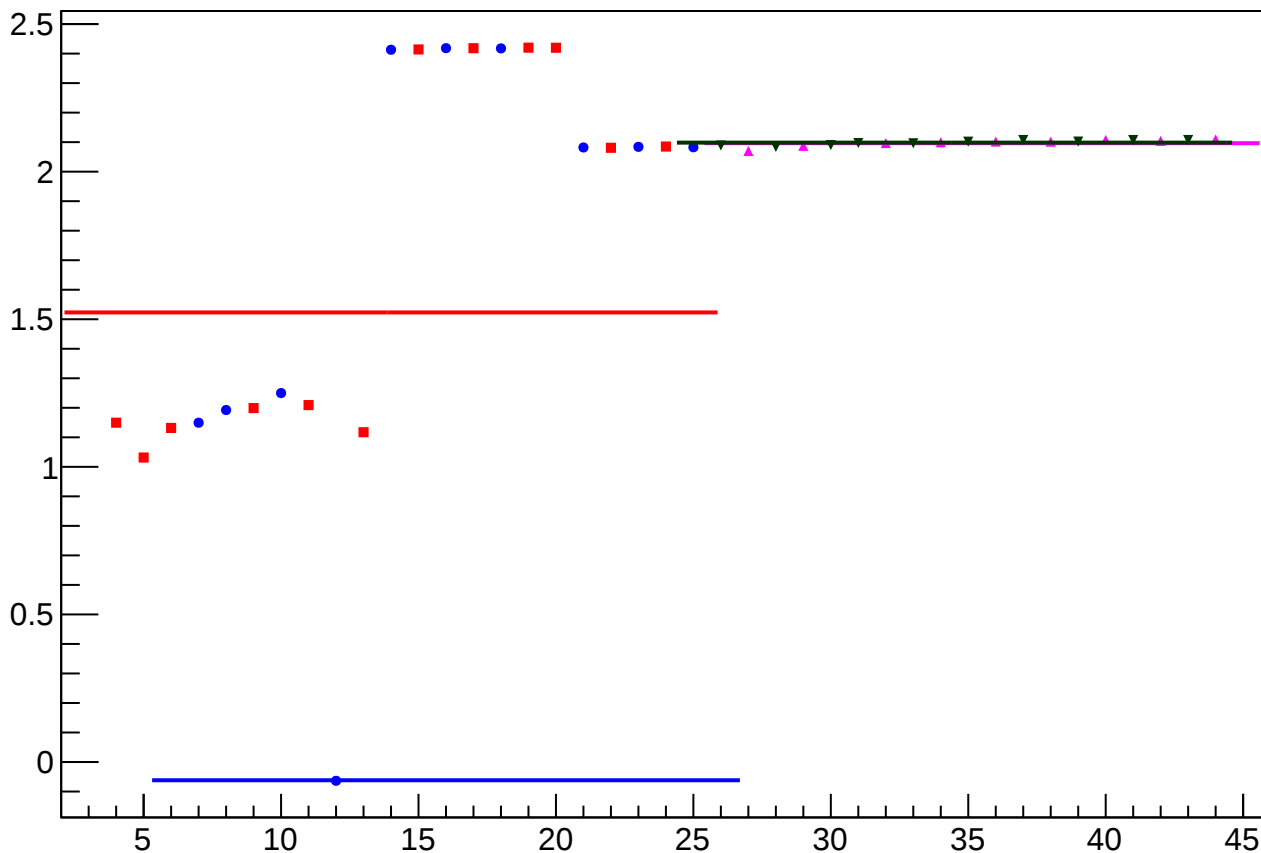
Right Out: 0.007+/-0.000 χ^2/NDF : 46926.6/11

Left In: 0.010+/-0.000 χ^2/NDF : 421826.7/8

0.000+/-0.000 χ^2/NDF : 21306548.5/19

0.008+/-0.000 χ^2/NDF : 843383.6/20

yield_bpm4acY_mean vs slug



Right In: -0.062+/-0.000 χ^2/NDF : 126997111883.8/9

Left Out: 2.098+/-0.000 χ^2/NDF : 2018647.6/9

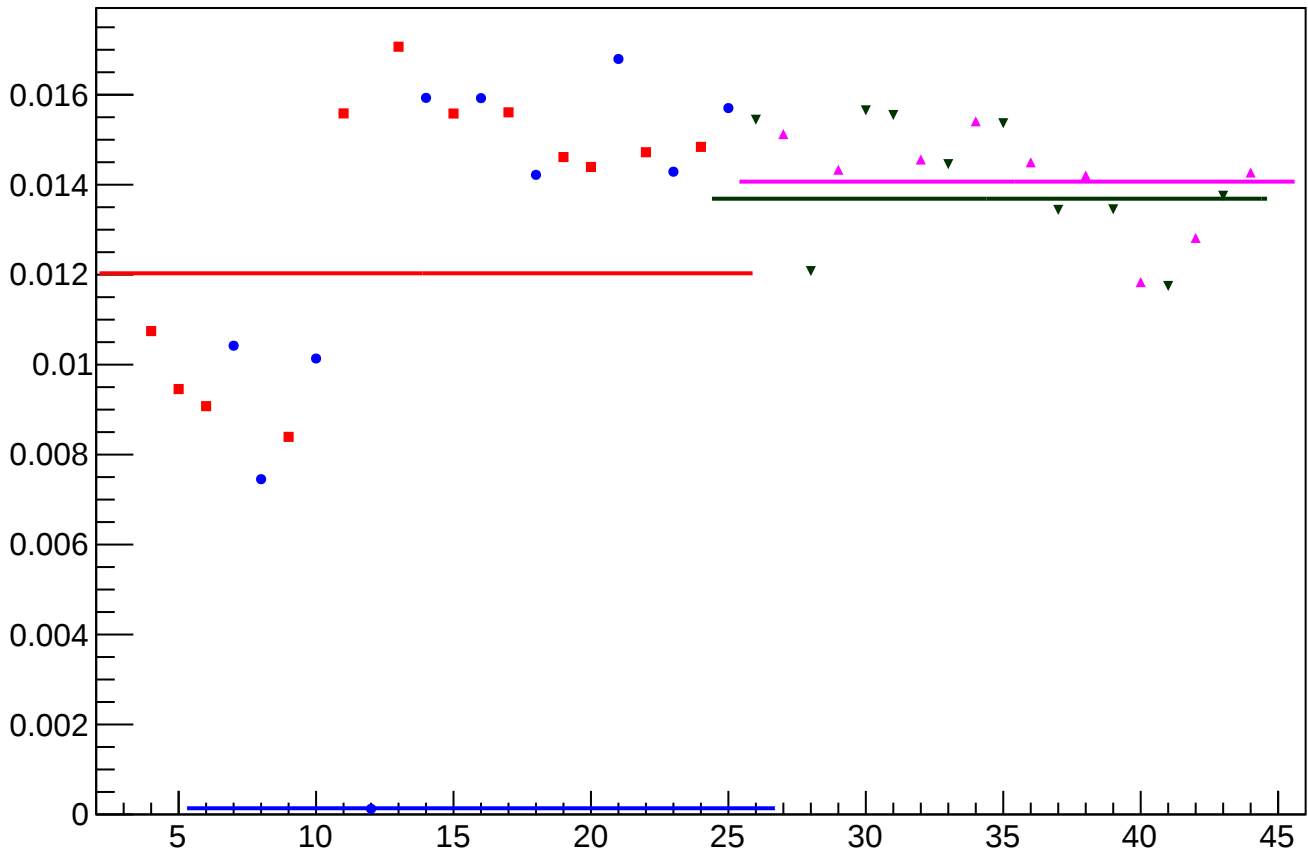
-0.060+/-0.000 χ^2/NDF : 252361408805.2/19

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

1.759+/-0.000 χ^2/NDF : 16700944663.4/20

Left In: 2.096+/-0.000 χ^2/NDF : 3992542.9/8

yield_bpm4acY_rms vs slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 10894753.2/9

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF:106273.7/9

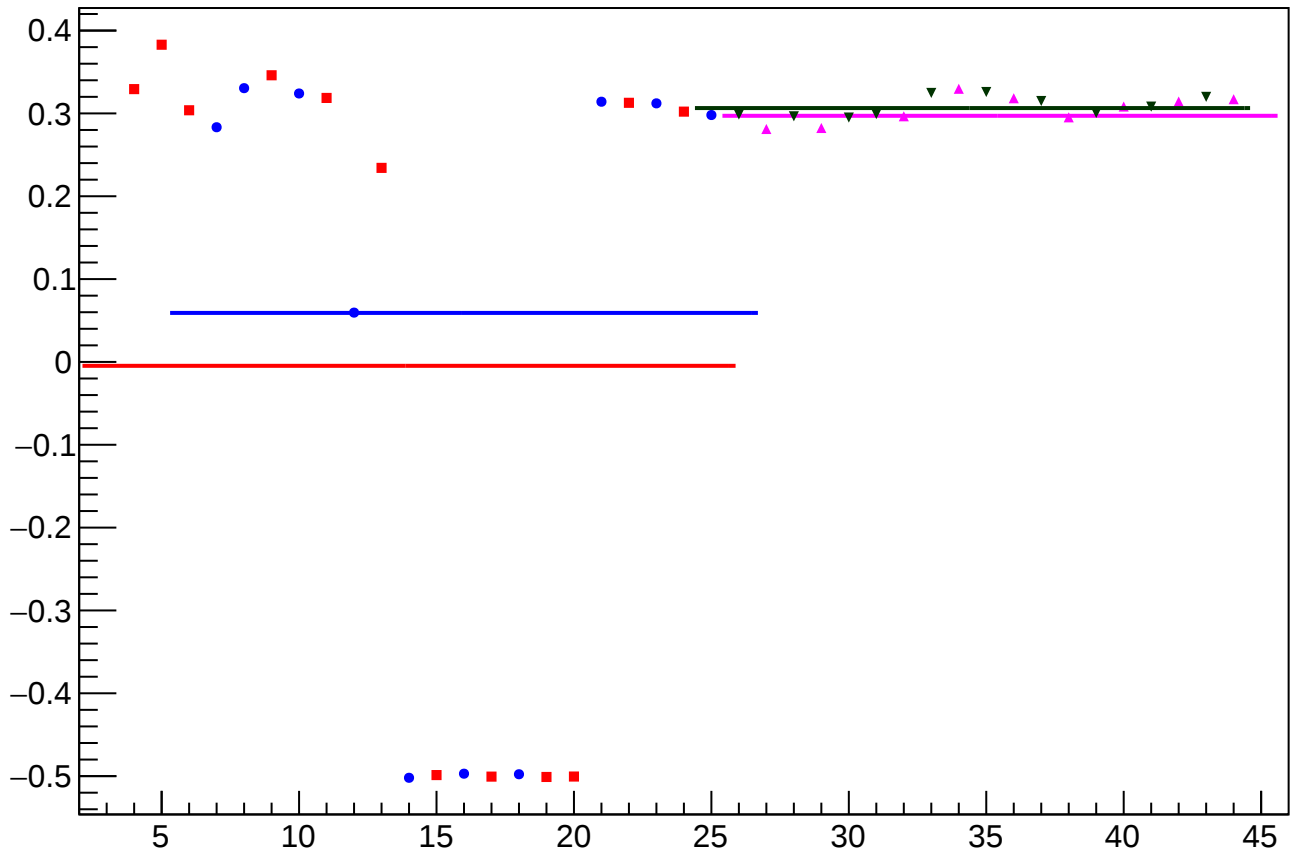
Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 858730.1/11

Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:63357.4/8

0.000 $\pm$ 0.000 χ^2 /NDF: 20867894.3/19

0.013 $\pm$ 0.000 χ^2 /NDF: 1056834.5/20

yield_bpm4ecX_mean vs slug



Right In: 0.059+/-0.000 χ^2/NDF : 3541111693.7/9

Left Out: 0.306+/-0.000 χ^2/NDF :1355327.7/9

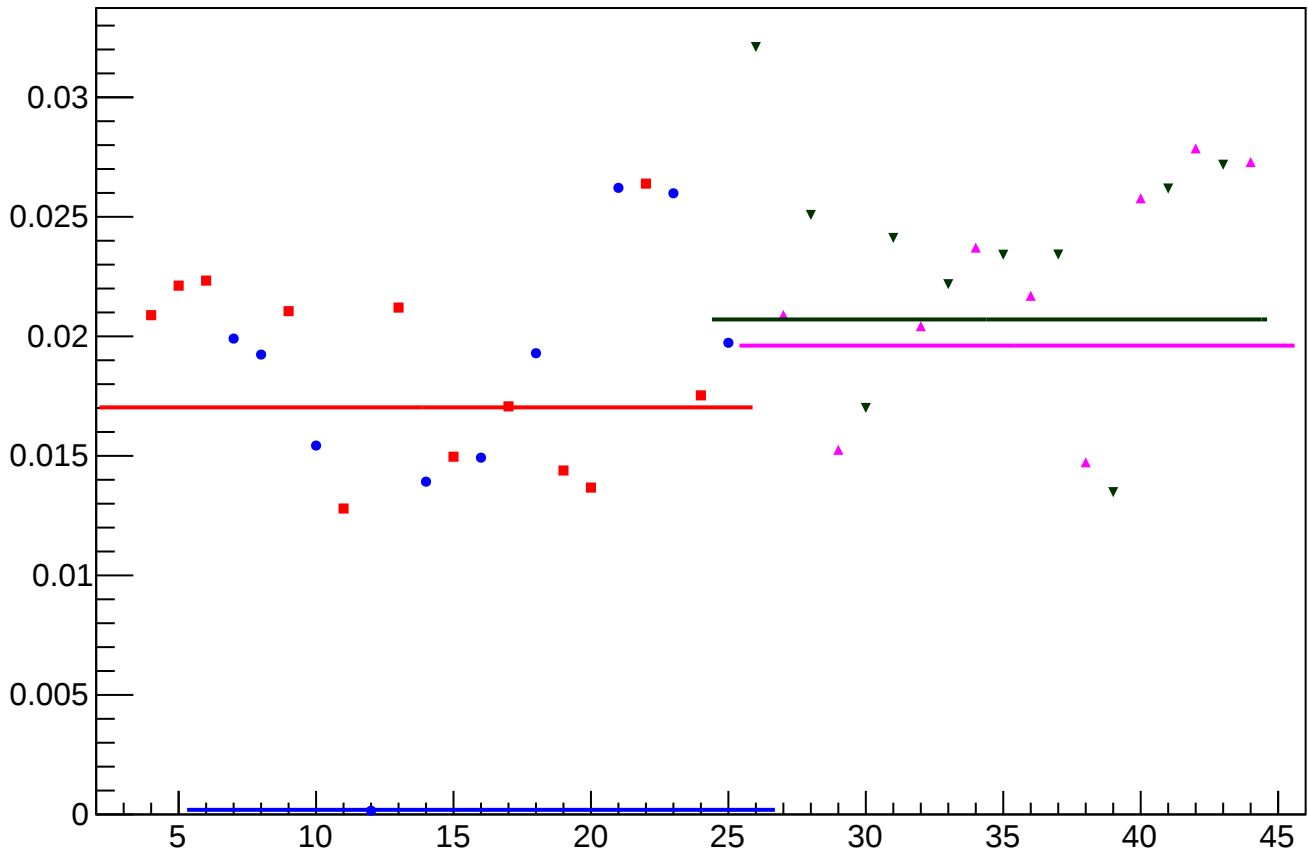
0.059+/-0.000 χ^2/NDF : 4215322750.2/19

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

0.113+/-0.000 χ^2/NDF : 3867908072.4/20

Left In: 0.297+/-0.000 χ^2/NDF :3115046.5/8

yield_bpm4ecX_rms vs slug



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

Left Out: 0.021+/-0.000 χ^2/NDF : 655279.7/9

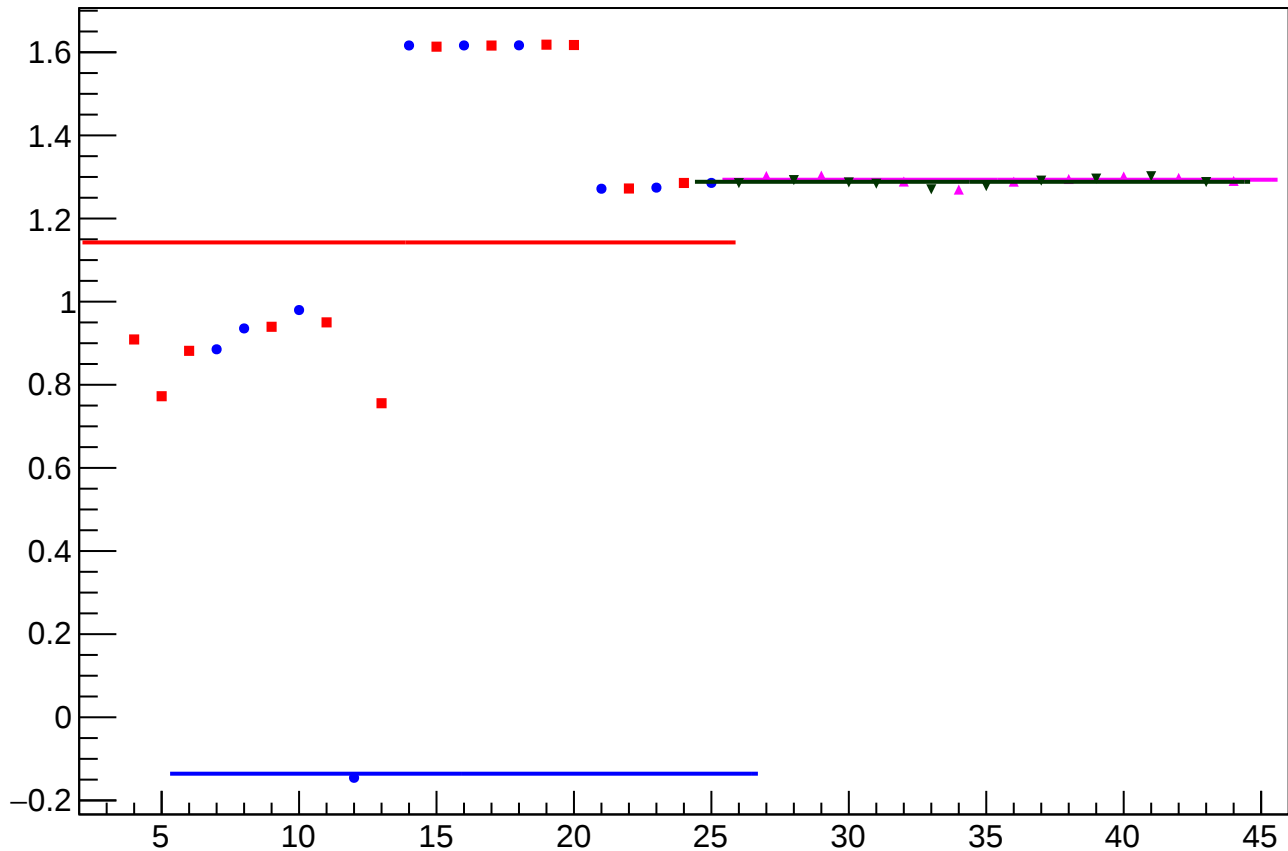
Right Out: 0.017+/-0.000 χ^2/NDF : 584593.5/11

Left In: 0.020+/-0.000 χ^2/NDF : 493445.7/8

0.000+/-0.000 χ^2/NDF : 20906695.5/19

0.018+/-0.000 χ^2/NDF : 1184040.6/20

yield_bpm4ecY_mean vs slug



Right In: -0.136+/-0.000 χ^2/NDF : 131146167218.9/9

Left Out: 1.288+/-0.000 χ^2/NDF : 3982202.6/9

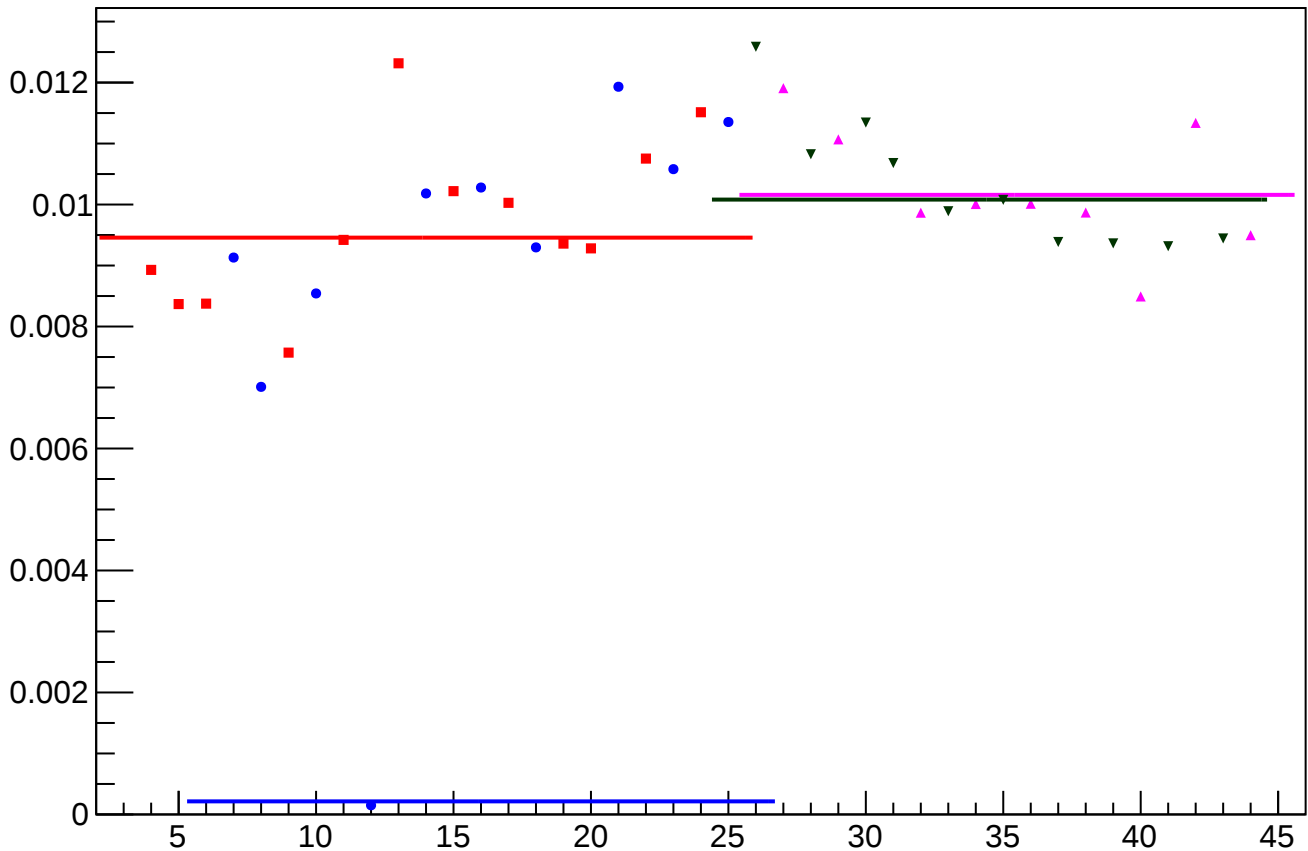
-0.128+/-0.000 χ^2/NDF : 232295201756.6/19

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

1.208+/-0.000 χ^2/NDF : 7688173381.3/20

Left In: 1.293+/-0.000 χ^2/NDF : 4686204.8/8

yield_bpm4ecY_rms vs slug



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

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 82741.5/9

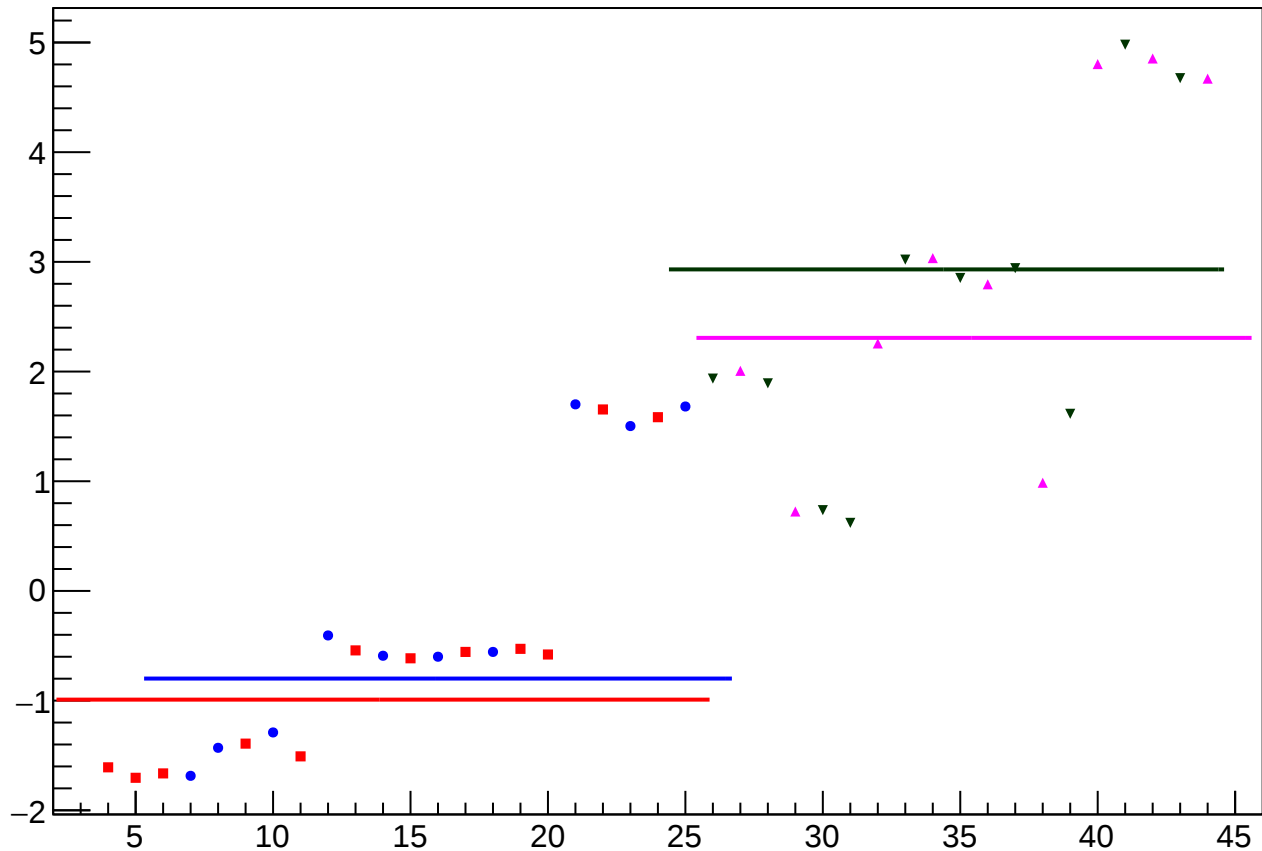
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 269492.1/11

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 100961.6/8

0.000 $\pm$ 0.000 χ^2 /NDF: 20604289.8/19

0.010 $\pm$ 0.000 χ^2 /NDF: 399347.5/20

yield_bpm1X_mean vs slug



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

Left Out: 2.931+/-0.000 χ^2/NDF : 696767729.4/9

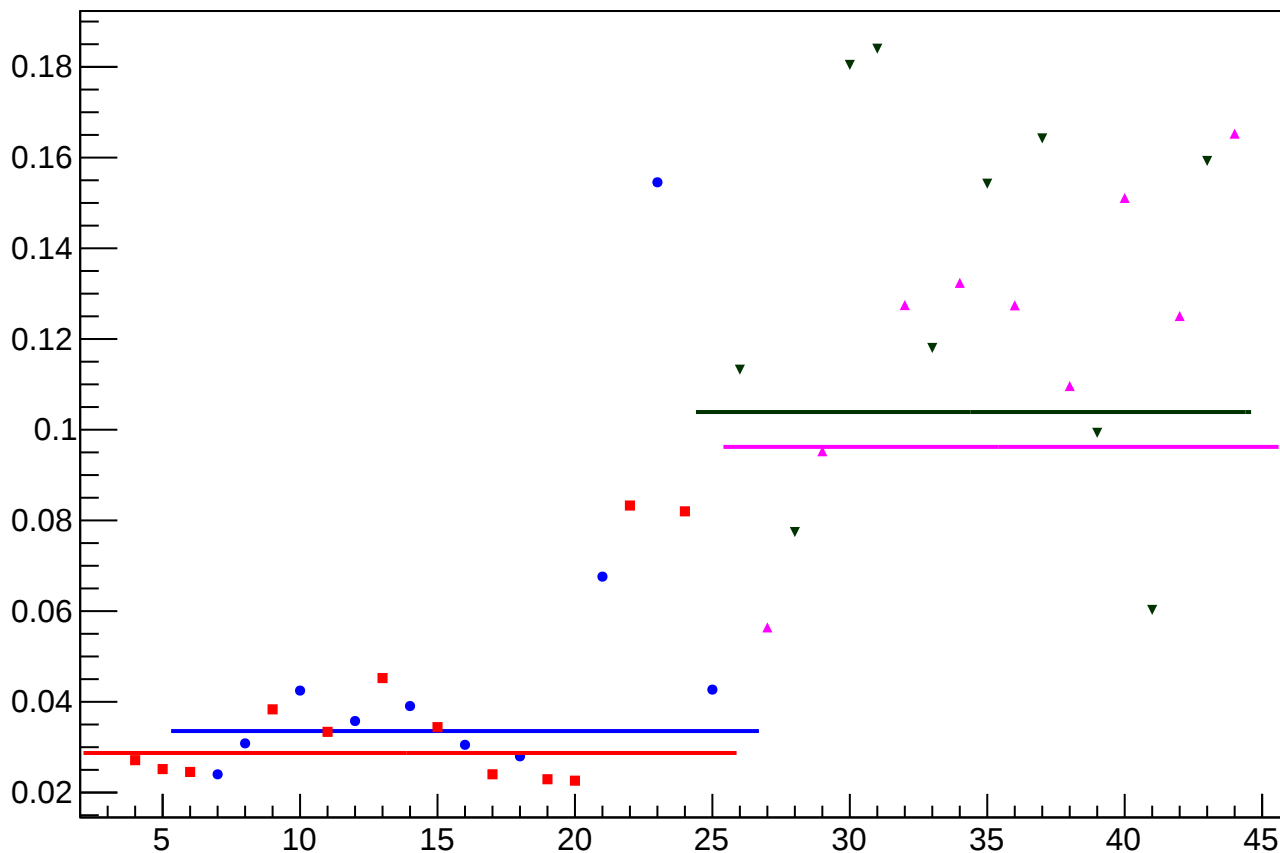
Right Out: -0.991+/-0.000 χ^2/NDF : 2016562689.3/11

Left In: 2.307+/-0.000 χ^2/NDF : 637059338.1/8

-0.507+/-0.000 χ^2/NDF : 6998108641.9/19

-0.755+/-0.000 χ^2/NDF : 6851319046.4/20

yield_bpm1X_rms vs slug



Right In: 0.034+/-0.000 χ^2/NDF : 1033776.5/9

Left Out: 0.104+/-0.000 χ^2/NDF :1068598.5/9

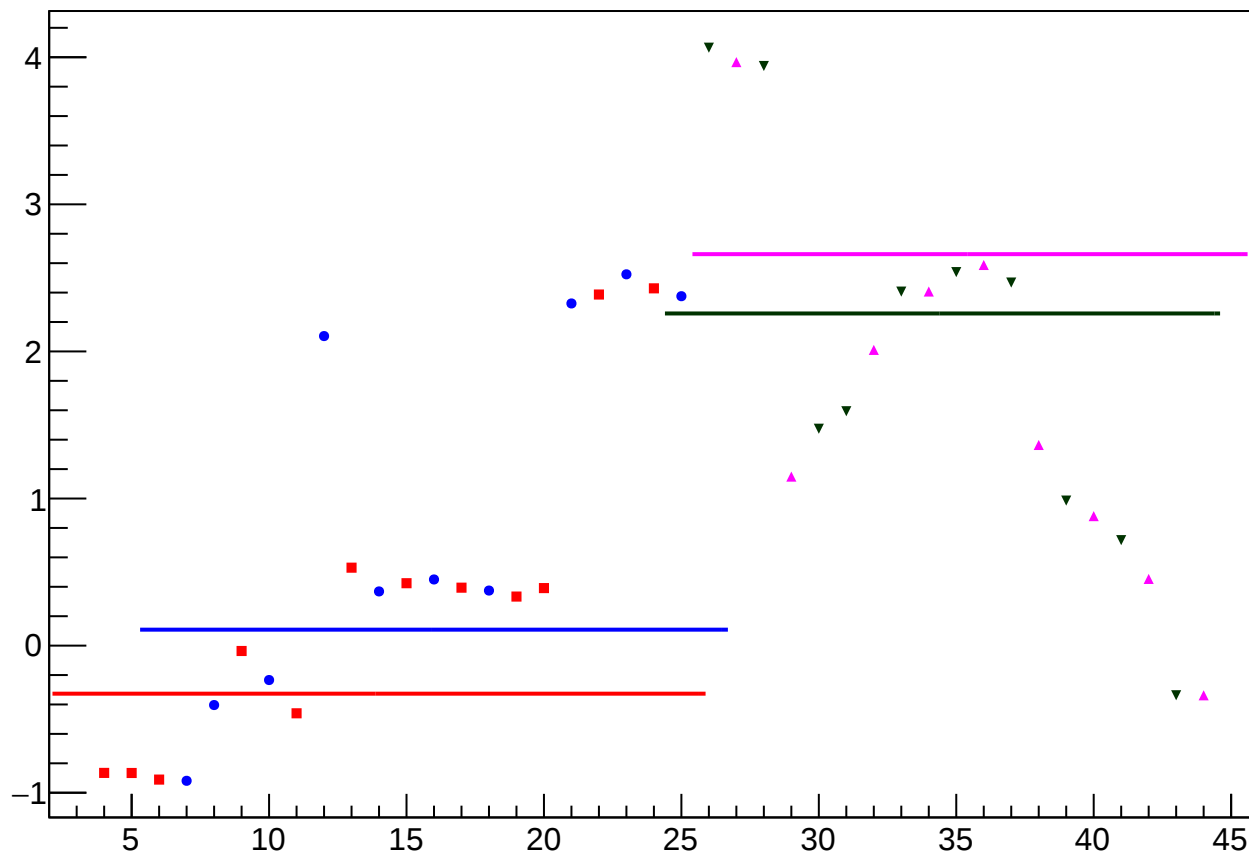
Right Out: 0.029+/-0.000 χ^2/NDF : 965052.5/11

Left In: 0.096+/-0.000 χ^2/NDF :1062303.0/8

0.039+/-0.000 χ^2/NDF : 5084396.8/19

0.034+/-0.000 χ^2/NDF : 5543066.1/20

yield_bpm1Y_mean vs slug



Right In: 0.109+/-0.000 χ^2/NDF : 8111501728.9/9

Left Out: 2.258+/-0.000 χ^2/NDF :1464188140.1/9

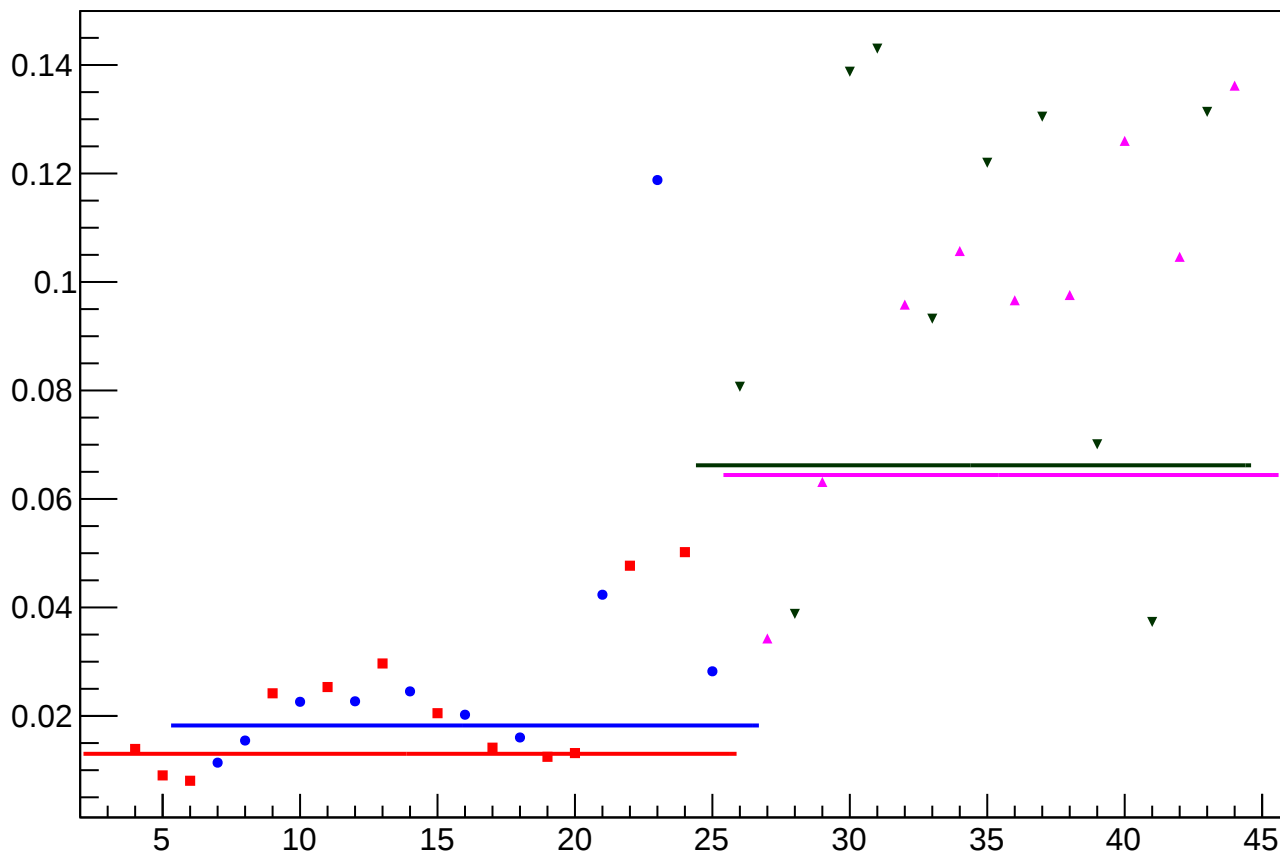
Right Out: -0.327+/-0.000 χ^2/NDF : 9287320551.8/11

Left In: 2.661+/-0.000 χ^2/NDF :1577506308.7/8

0.232+/-0.000 χ^2/NDF : 12493992567.5/19

-0.214+/-0.000 χ^2/NDF : 17842006985.6/20

yield_bpm1Y_rms vs slug



Right In: 0.018+/-0.000 χ^2/NDF : 1320521.5/9

Left Out: 0.066+/-0.000 χ^2/NDF :1777792.9/9

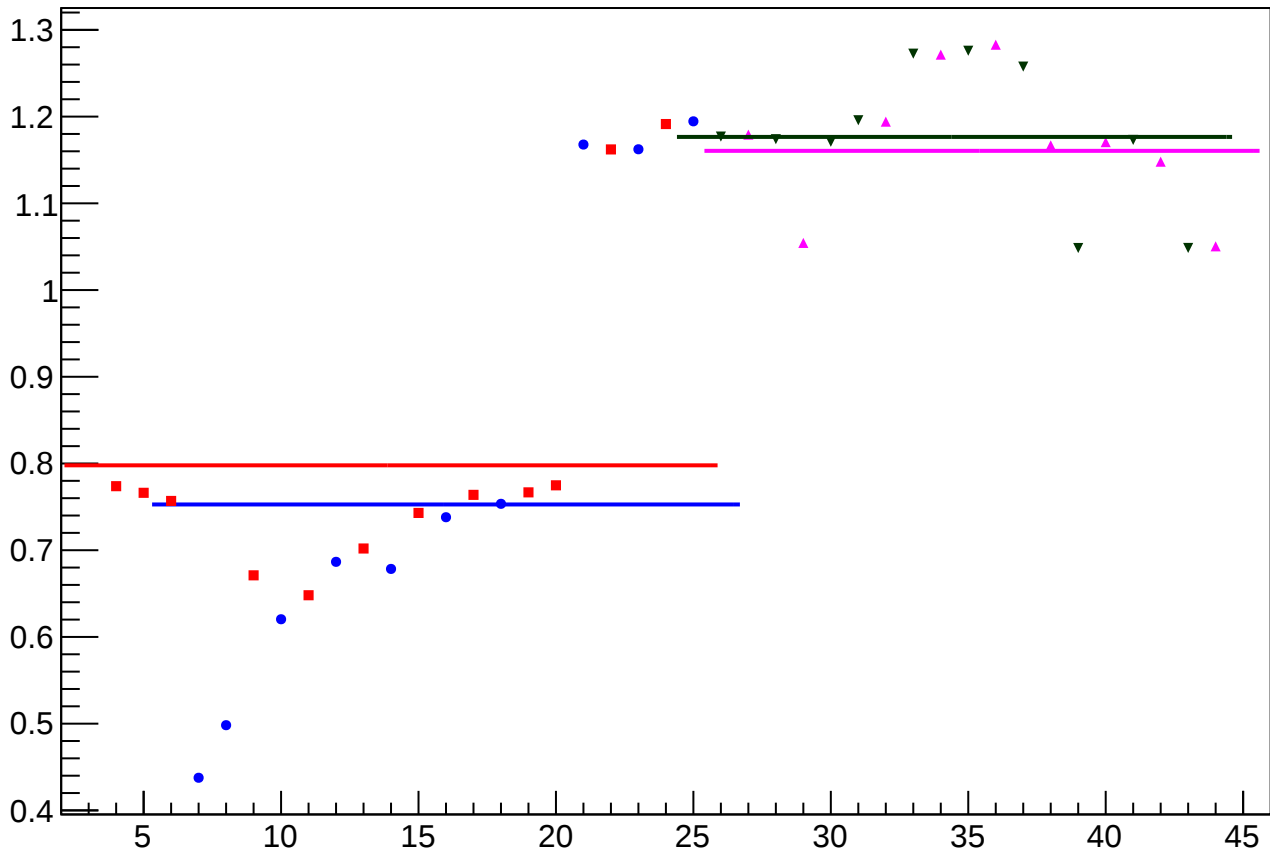
Right Out: 0.013+/-0.000 χ^2/NDF : 1857519.6/11

Left In: 0.064+/-0.000 χ^2/NDF :1800340.3/8

0.021+/-0.000 χ^2/NDF : 6004180.1/19

0.015+/-0.000 χ^2/NDF : 7786654.5/20

yield_bpm11X_mean vs slug



Right In: 0.753+/-0.000 χ^2/NDF : 845583832.8/9

Left Out: 1.177+/-0.000 χ^2/NDF :56492661.1/9

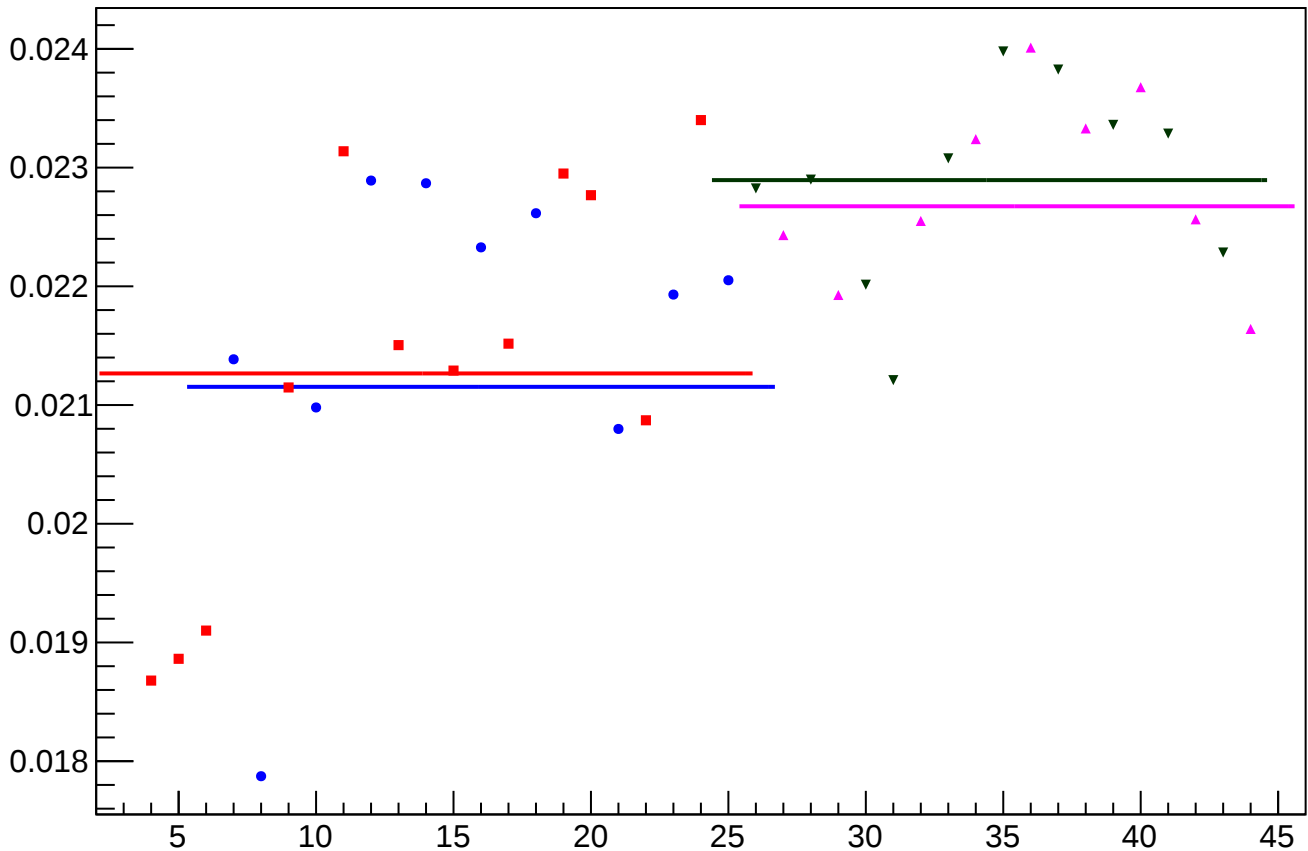
0.929+/-0.000 χ^2/NDF : 1935707717.8/19

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

0.956+/-0.000 χ^2/NDF : 1237441735.3/20

Left In: 1.161+/-0.000 χ^2/NDF :58009580.0/8

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 :11436.5/9

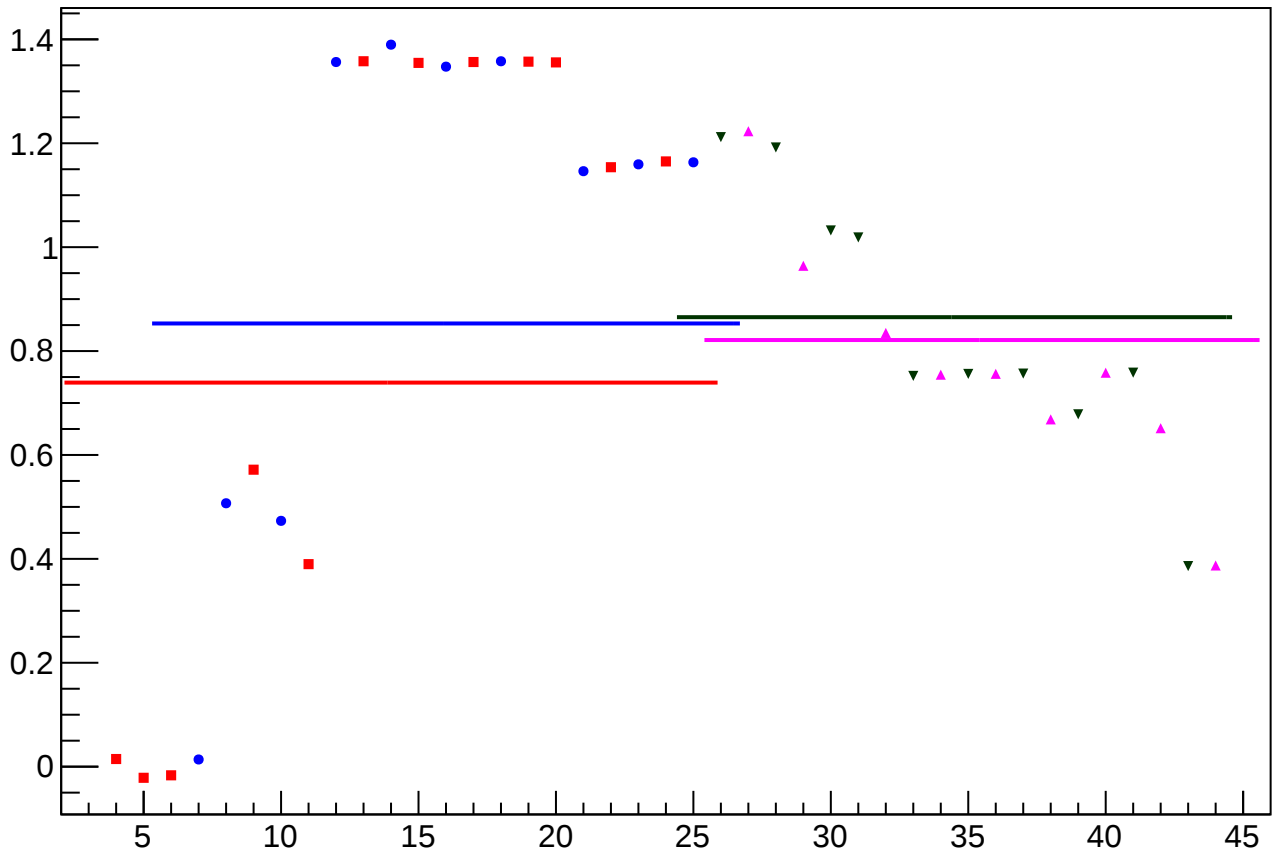
Right Out: 0.021+/-0.000 χ^2/NDF : 58605.8/11

Left In: 0.023+/-0.000 χ^2/NDF :10426.9/8

0.022+/-0.000 χ^2/NDF : 135716.0/19

0.022+/-0.000 χ^2/NDF : 92716.4/20

yield_bpm11Y_mean vs slug



Right In: 0.853 ± 0.000 χ^2/NDF : 104764240658.7/9

Left Out: 0.865 ± 0.000 χ^2/NDF : 19769026573.0/9

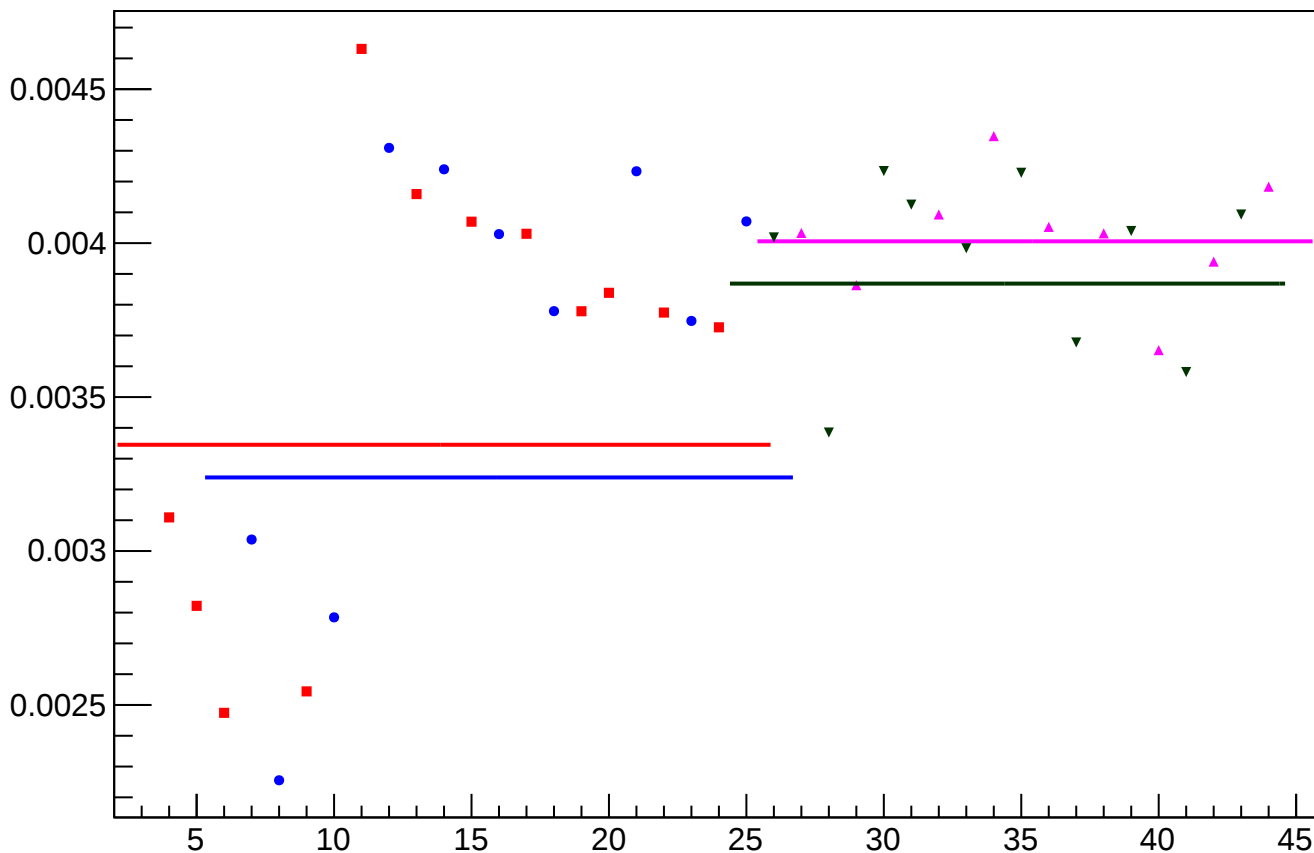
0.858 ± 0.000 χ^2/NDF : 124563938415.9/19

Right Out: 0.739 ± 0.000 χ^2/NDF : 163147236052.0/11

0.771 ± 0.000 χ^2/NDF : 181465750729.8/20

Left In: 0.821 ± 0.000 χ^2/NDF : 16931746791.3/8

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 :59617.0/9

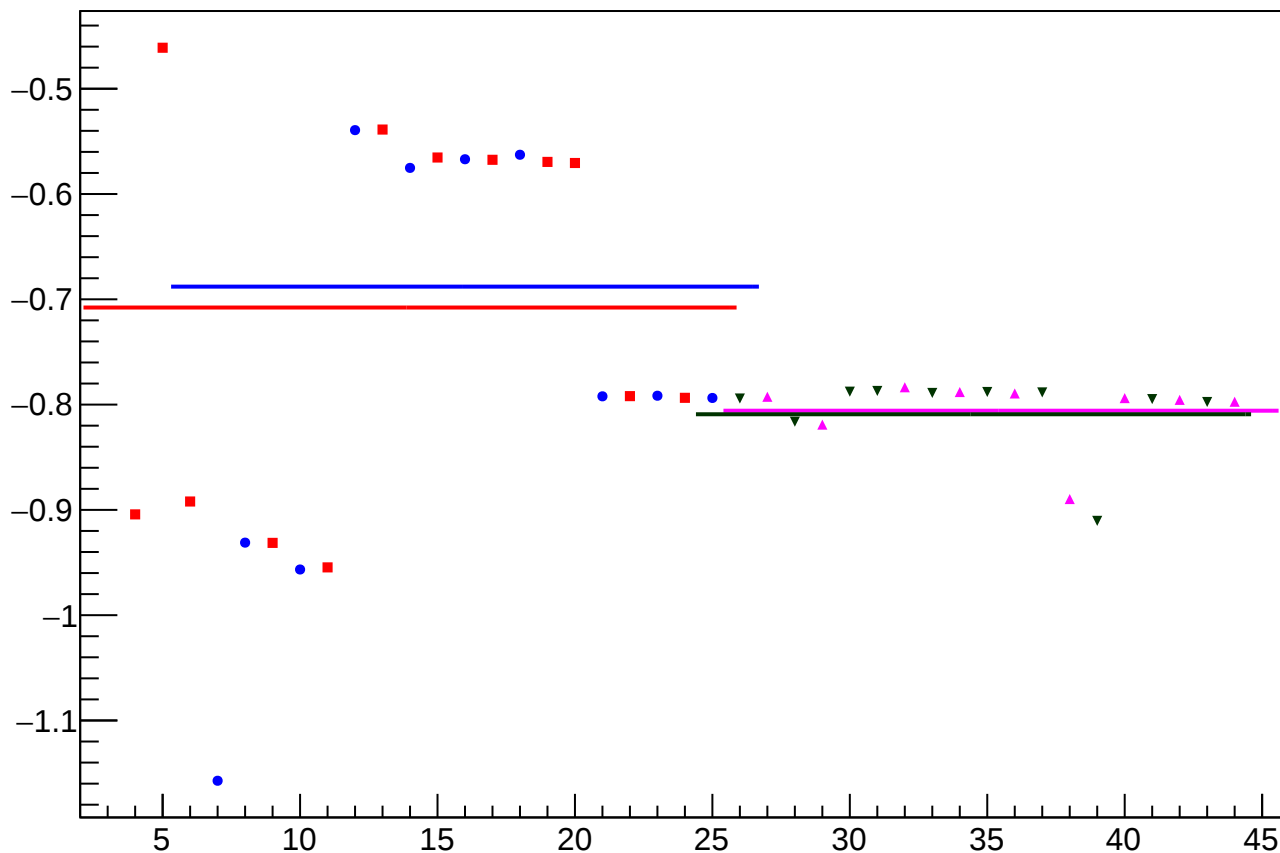
Right Out: 0.003+/-0.000 χ^2/NDF : 574504.0/11

Left In: 0.004+/-0.000 χ^2/NDF :20484.3/8

0.003+/-0.000 χ^2/NDF : 970898.7/19

0.004+/-0.000 χ^2/NDF : 775301.1/20

yield_bpm12X_mean vs slug



Right In: -0.688+/-0.000 χ^2/NDF : 1835449316.2/9

Left Out: -0.809+/-0.000 χ^2/NDF : 119027161.1/9

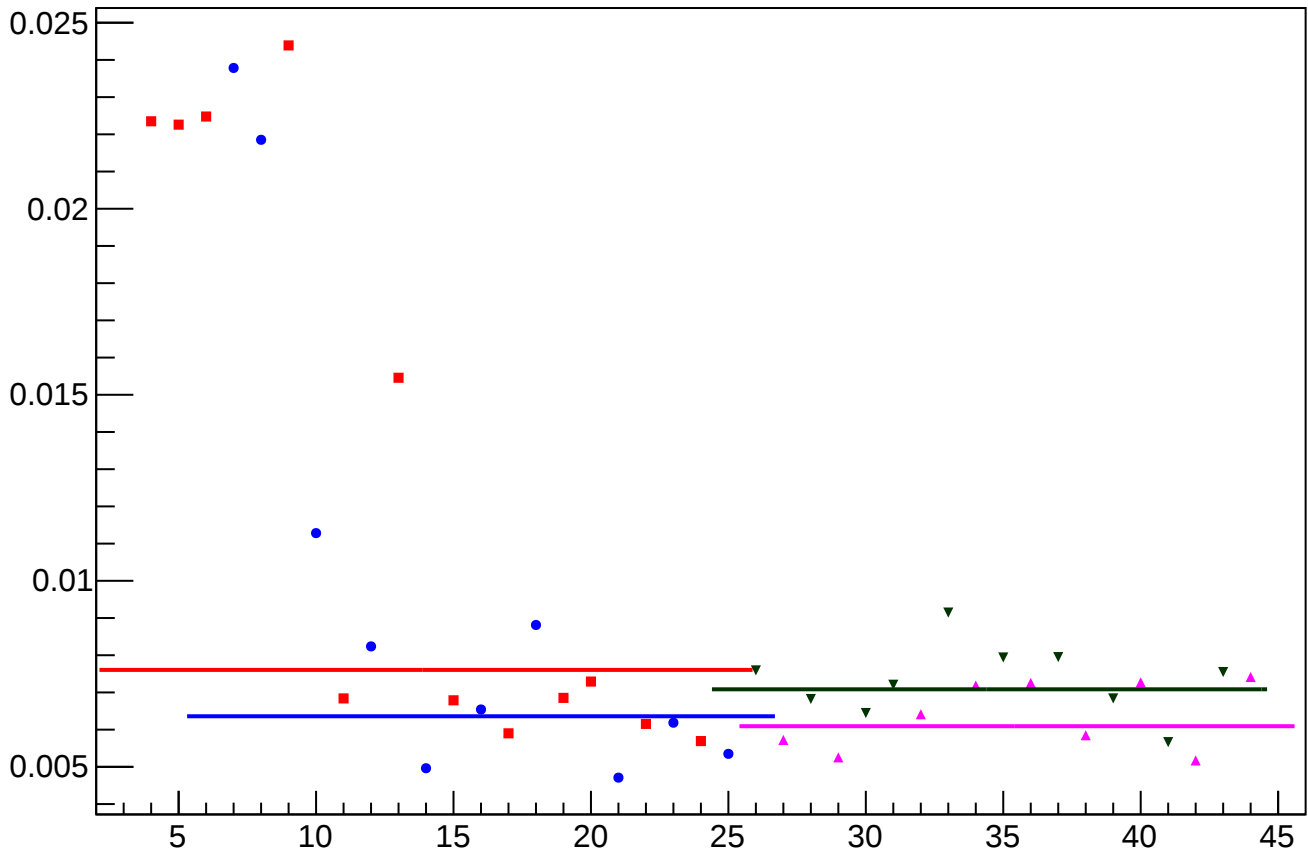
Right Out: -0.708+/-0.000 χ^2/NDF : 1719681121.8/11

Left In: -0.806+/-0.000 χ^2/NDF : 95429738.5/8

-0.740+/-0.000 χ^2/NDF : 2614585272.0/19

-0.766+/-0.000 χ^2/NDF : 2234759325.0/20

yield_bpm12X_rms vs slug



Right In: 0.006+/-0.000 χ^2/NDF : 1833155.9/9

Left Out: 0.007+/-0.000 χ^2/NDF :128168.7/9

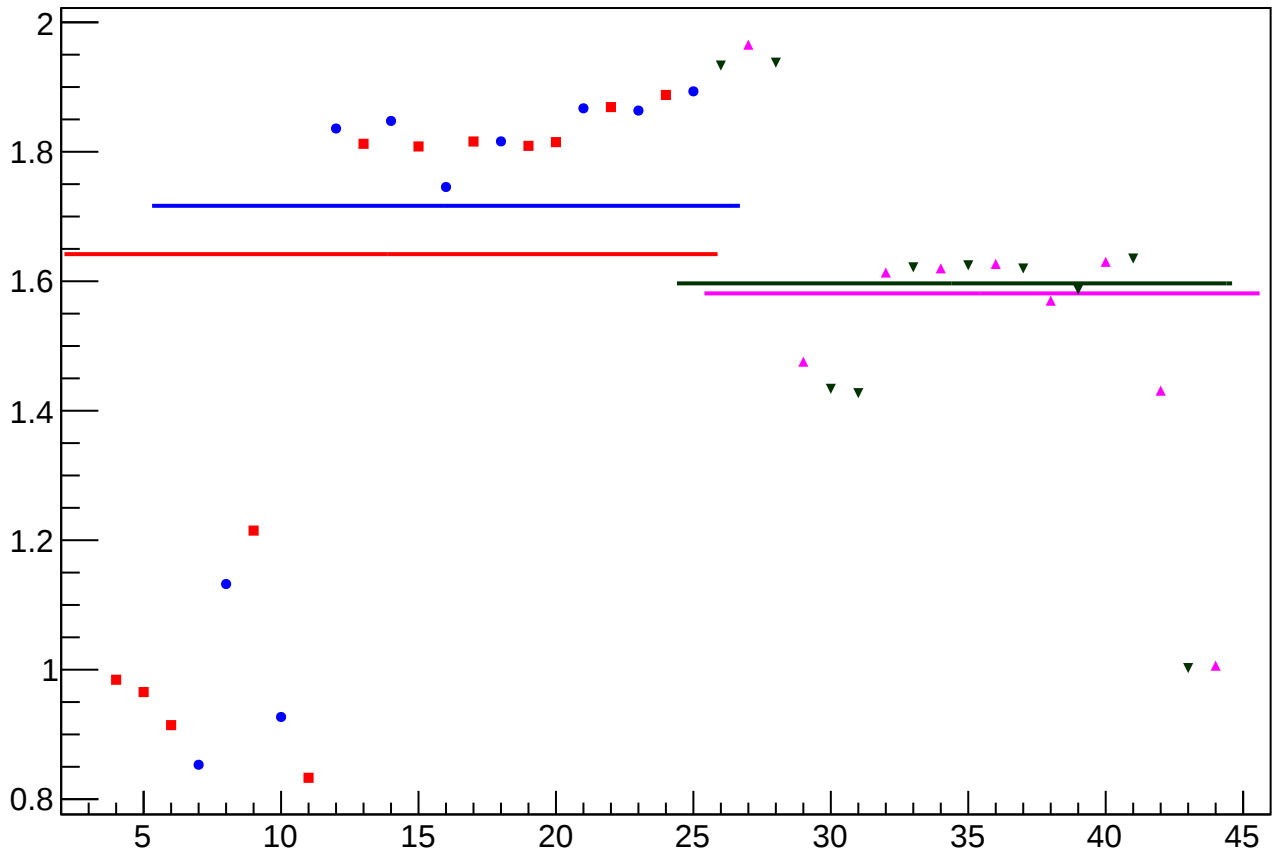
0.007+/-0.000 χ^2/NDF : 2008514.7/19

Right Out: 0.008+/-0.000 χ^2/NDF : 2293990.6/11

0.007+/-0.000 χ^2/NDF : 2636442.6/20

Left In: 0.006+/-0.000 χ^2/NDF :142266.3/8

yield_bpm12Y_mean vs slug



Right In: 1.717 $\pm$ 0.000 χ^2 /NDF: 10938016030.0/9

Left Out: 1.597 $\pm$ 0.000 χ^2 /NDF: 6672070685.1/9

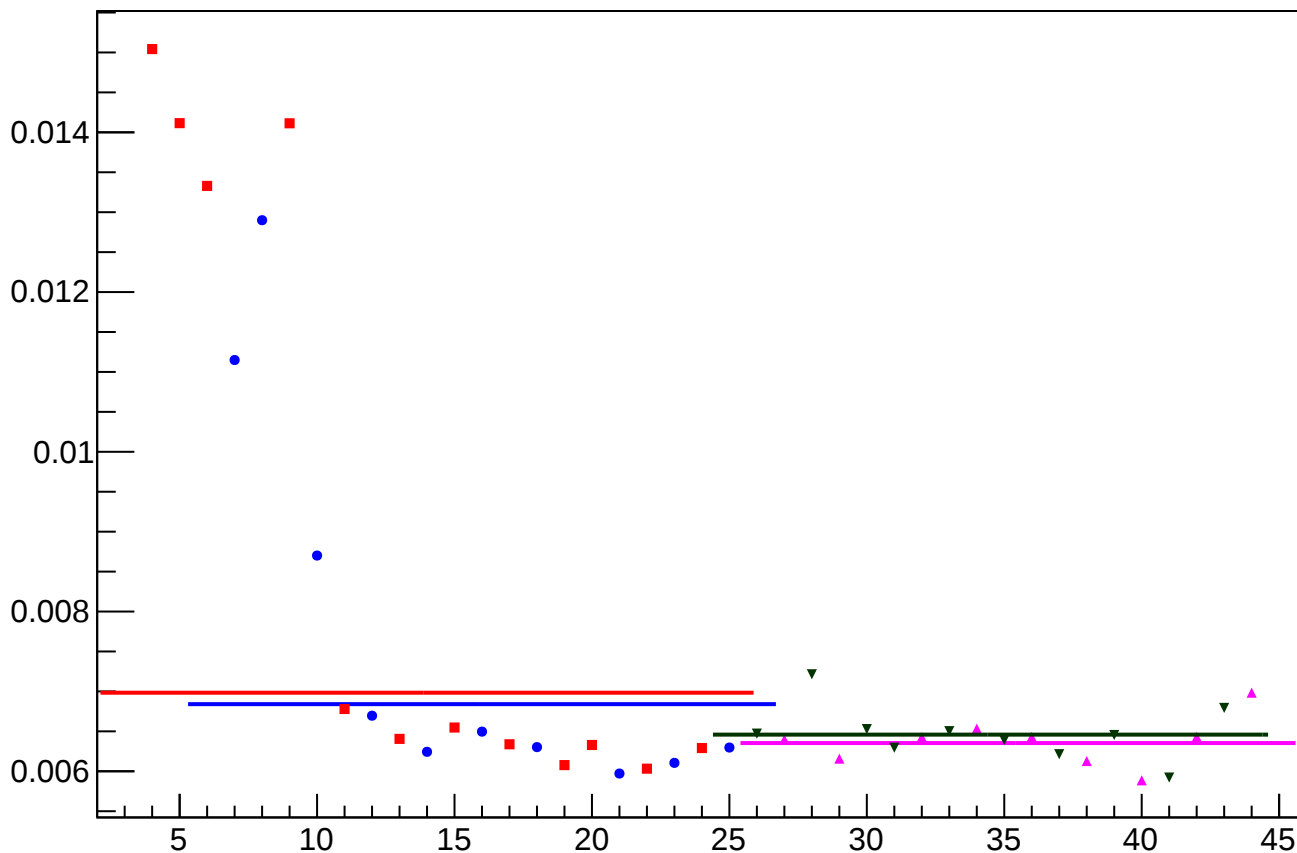
1.657 $\pm$ 0.000 χ^2 /NDF: 18461903960.4/19

Right Out: 1.642 $\pm$ 0.000 χ^2 /NDF: 15751478429.4/11

1.610 $\pm$ 0.000 χ^2 /NDF: 22726396070.1/20

Left In: 1.581 $\pm$ 0.000 χ^2 /NDF: 6756929993.8/8

yield_bpm12Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 600956.3/9

Left Out: 0.006+/-0.000 χ^2/NDF : 26704.2/9

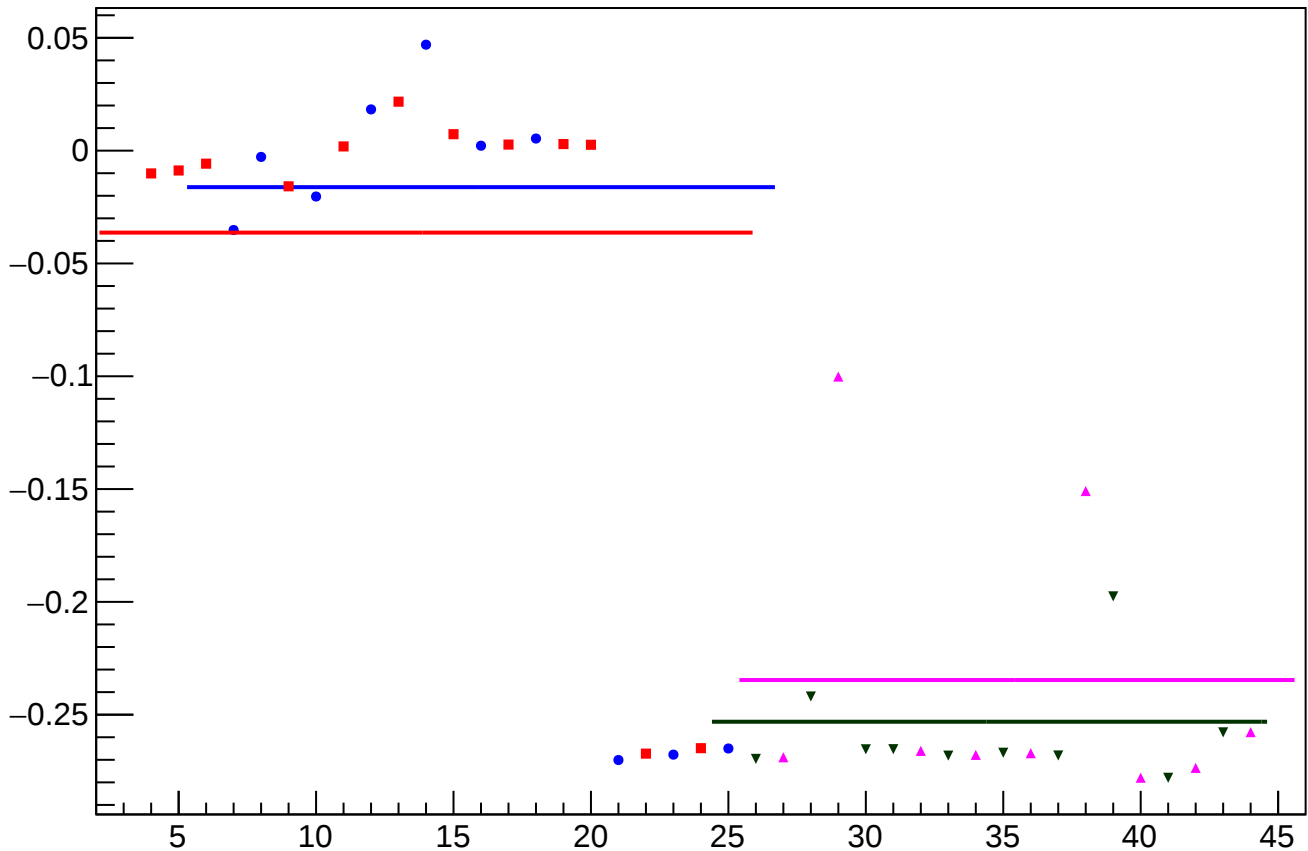
Right Out: 0.007+/-0.000 χ^2/NDF : 973579.9/11

Left In: 0.006+/-0.000 χ^2/NDF : 17689.1/8

0.007+/-0.000 χ^2/NDF : 644945.4/19

0.007+/-0.000 χ^2/NDF : 1038404.7/20

yield_bpm16X_mean vs slug



Right In: -0.016+/-0.000 χ^2/NDF : 1451636458.8/9

Left Out: -0.253+/-0.000 χ^2/NDF : 114103318.3/9

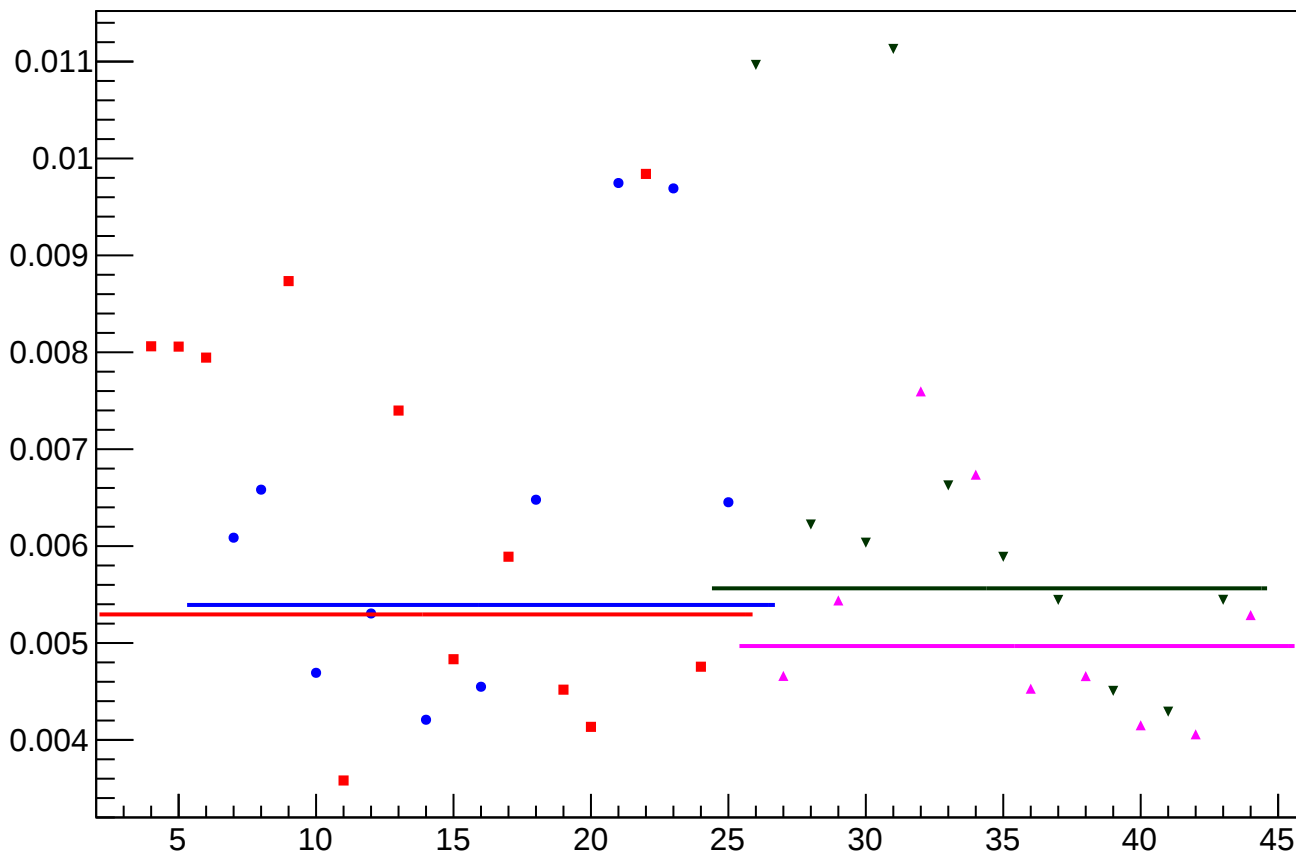
-0.119+/-0.000 χ^2/NDF : 6173337226.2/19

Right Out: -0.036+/-0.000 χ^2/NDF : 1742147509.6/11

-0.136+/-0.000 χ^2/NDF : 6337156972.7/20

Left In: -0.235+/-0.000 χ^2/NDF : 787599053.3/8

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 : 608011.7/9

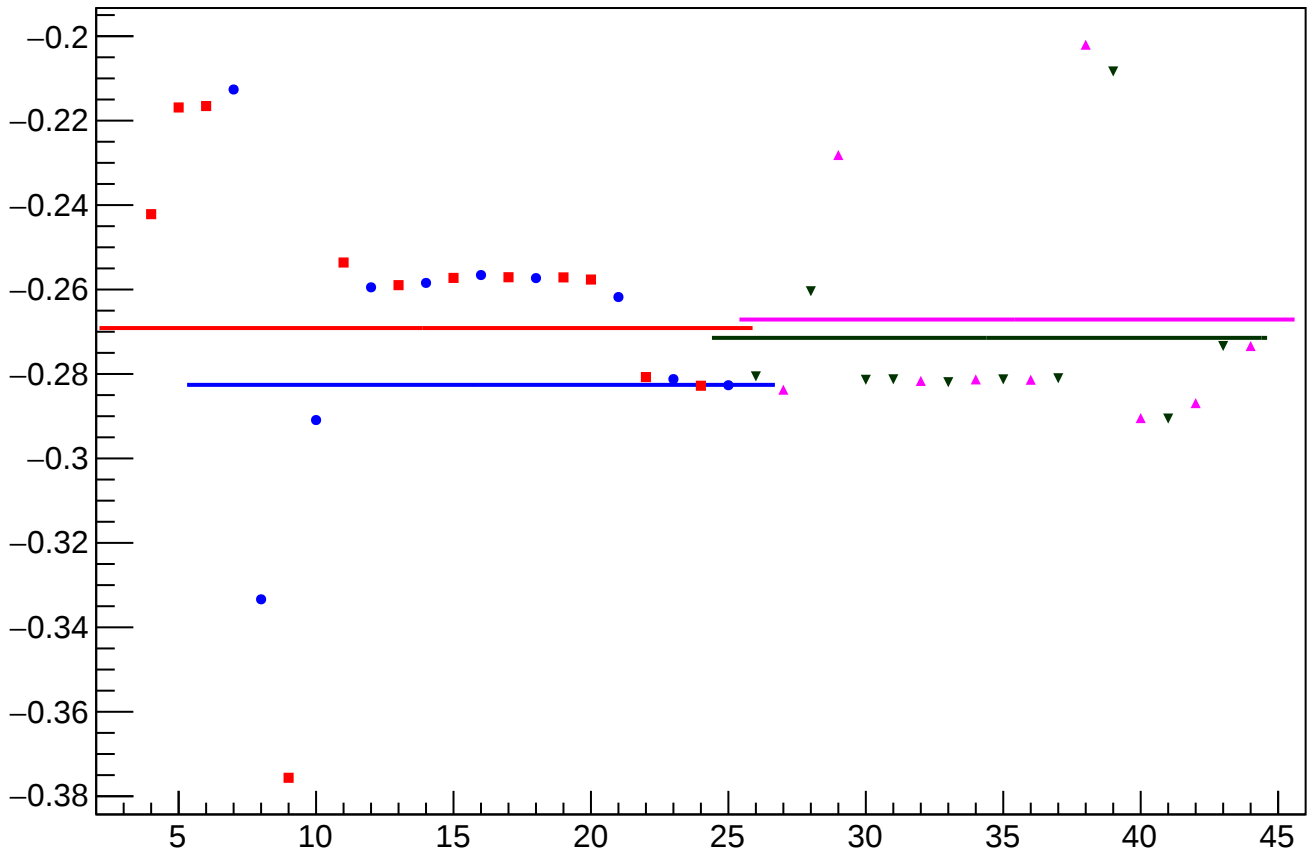
Right Out: 0.005+/-0.000 χ^2/NDF : 1206788.4/11

Left In: 0.005+/-0.000 χ^2/NDF : 366477.9/8

0.005+/-0.000 χ^2/NDF : 1421985.7/19

0.005+/-0.000 χ^2/NDF : 1593879.0/20

yield_bpm16Y_mean vs slug



Right In: -0.283+/-0.000 χ^2/NDF : 1067042959.0/9

Left Out: -0.271+/-0.000 χ^2/NDF : 349277523.0/9

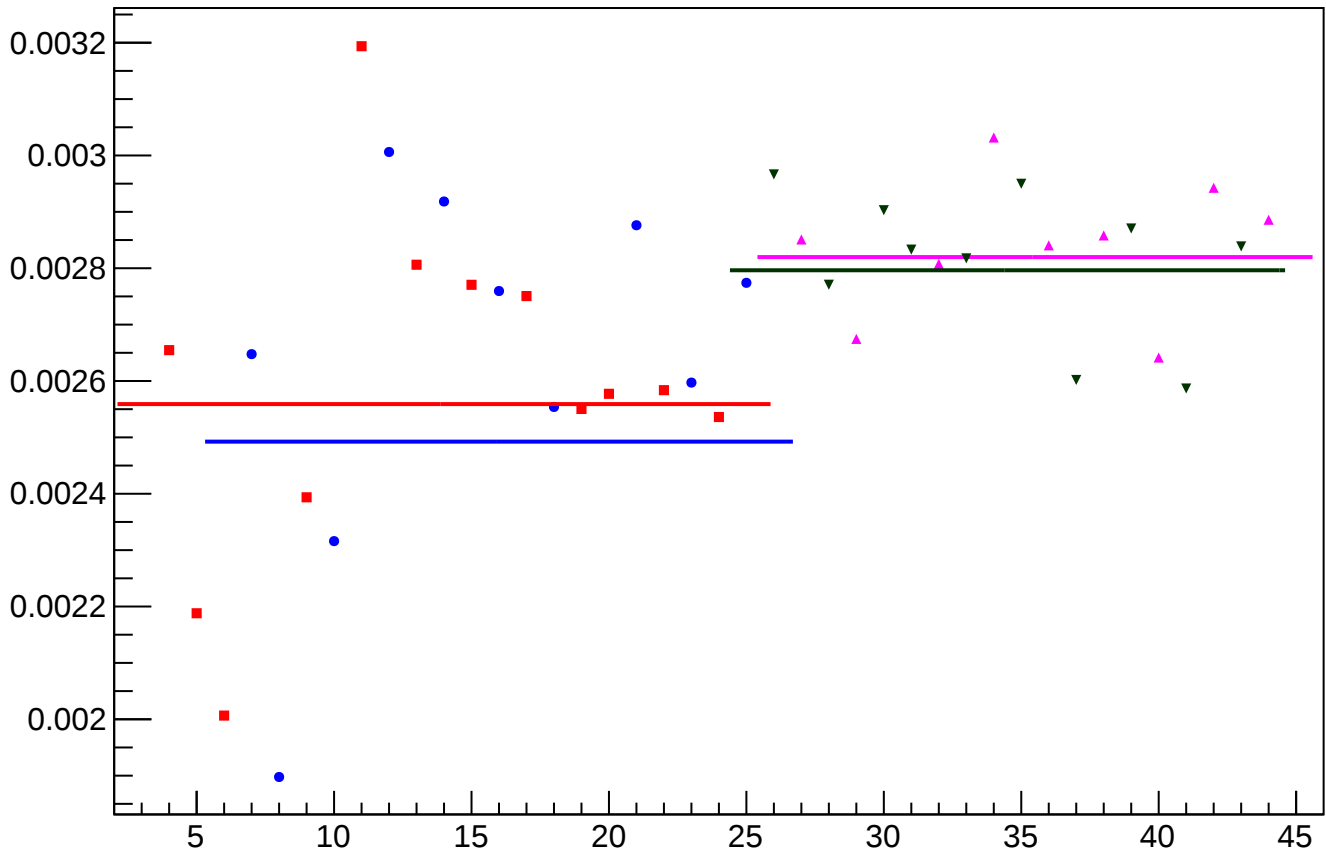
Right Out: -0.269+/-0.000 χ^2/NDF : 1935701786.6/11

Left In: -0.267+/-0.000 χ^2/NDF : 553669253.3/8

-0.278+/-0.000 χ^2/NDF : 1464927787.3/19

-0.268+/-0.000 χ^2/NDF : 2490971087.7/20

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 :22003.3/9

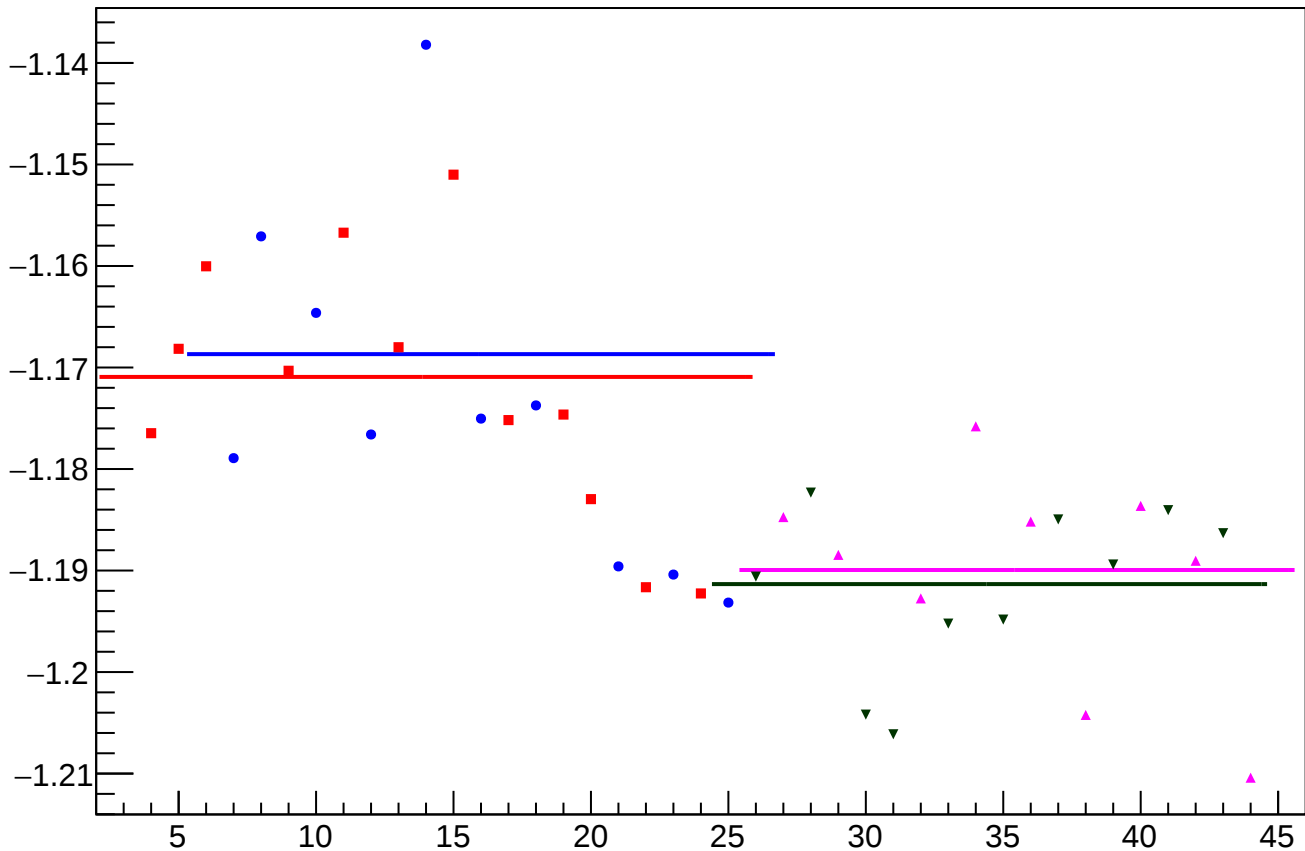
0.003+/-0.000 χ^2/NDF : 398562.0/19

Right Out: 0.003+/-0.000 χ^2/NDF : 176456.4/11

0.003+/-0.000 χ^2/NDF : 246392.7/20

Left In: 0.003+/-0.000 χ^2/NDF :16488.2/8

yield_bpm2i01X_mean vs slug



Right In: -1.169+/-0.000 χ^2/NDF : 35531757.4/9

Left Out: -1.191+/-0.000 χ^2/NDF : 4812748.3/9

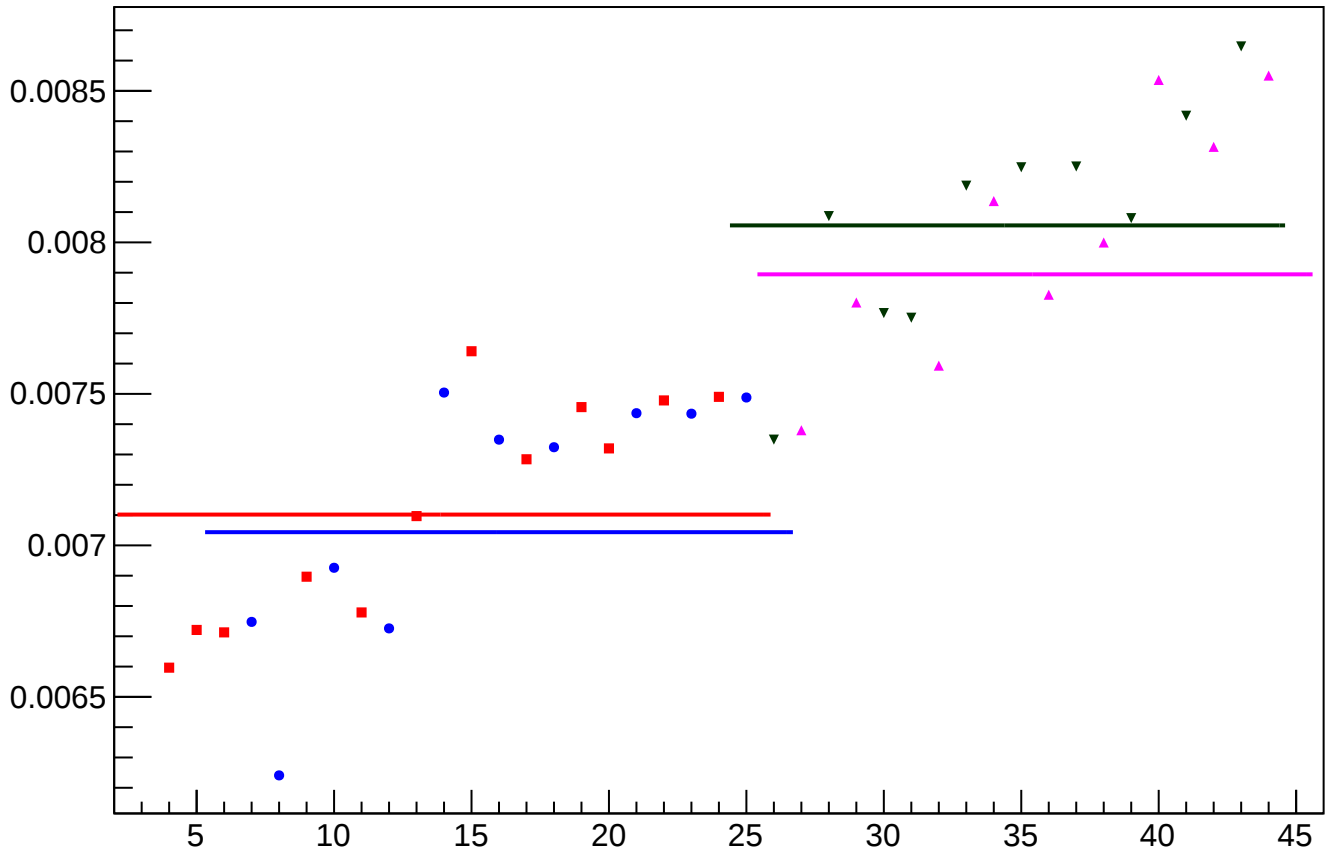
-1.177+/-0.000 χ^2/NDF : 65838215.0/19

Right Out: -1.171+/-0.000 χ^2/NDF : 18815971.2/11

-1.179+/-0.000 χ^2/NDF : 44529514.8/20

Left In: -1.190+/-0.000 χ^2/NDF : 6924812.0/8

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 : 19479.9/9

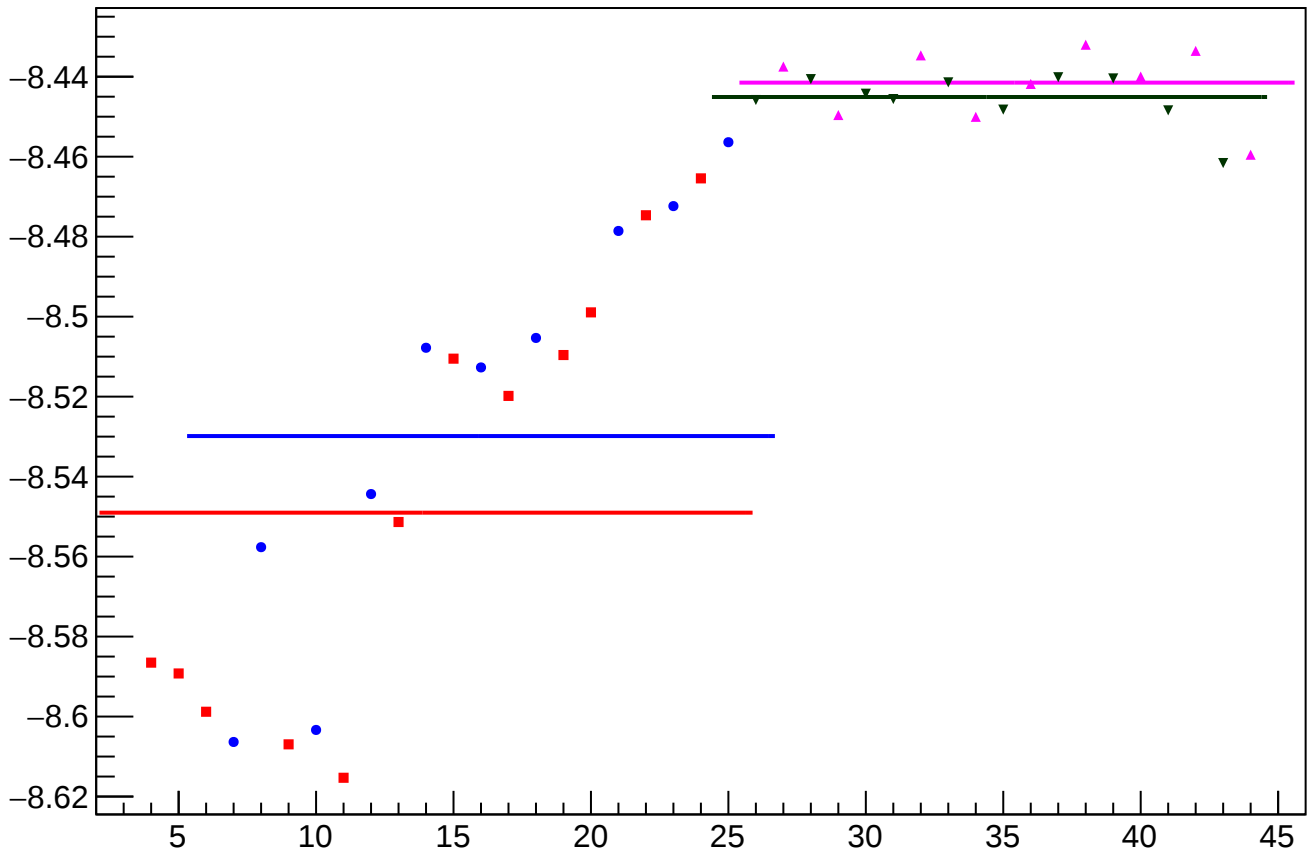
Right Out: 0.007+/-0.000 χ^2/NDF : 27872.8/11

Left In: 0.008+/-0.000 χ^2/NDF : 26175.0/8

0.007+/-0.000 χ^2/NDF : 175936.6/19

0.007+/-0.000 χ^2/NDF : 119353.9/20

yield_bpm2i01Y_mean vs slug



Right In: -8.530+/-0.000 χ^2/NDF : 280483187.5/9

Left Out: -8.445+/-0.000 χ^2/NDF : 3367094.4/9

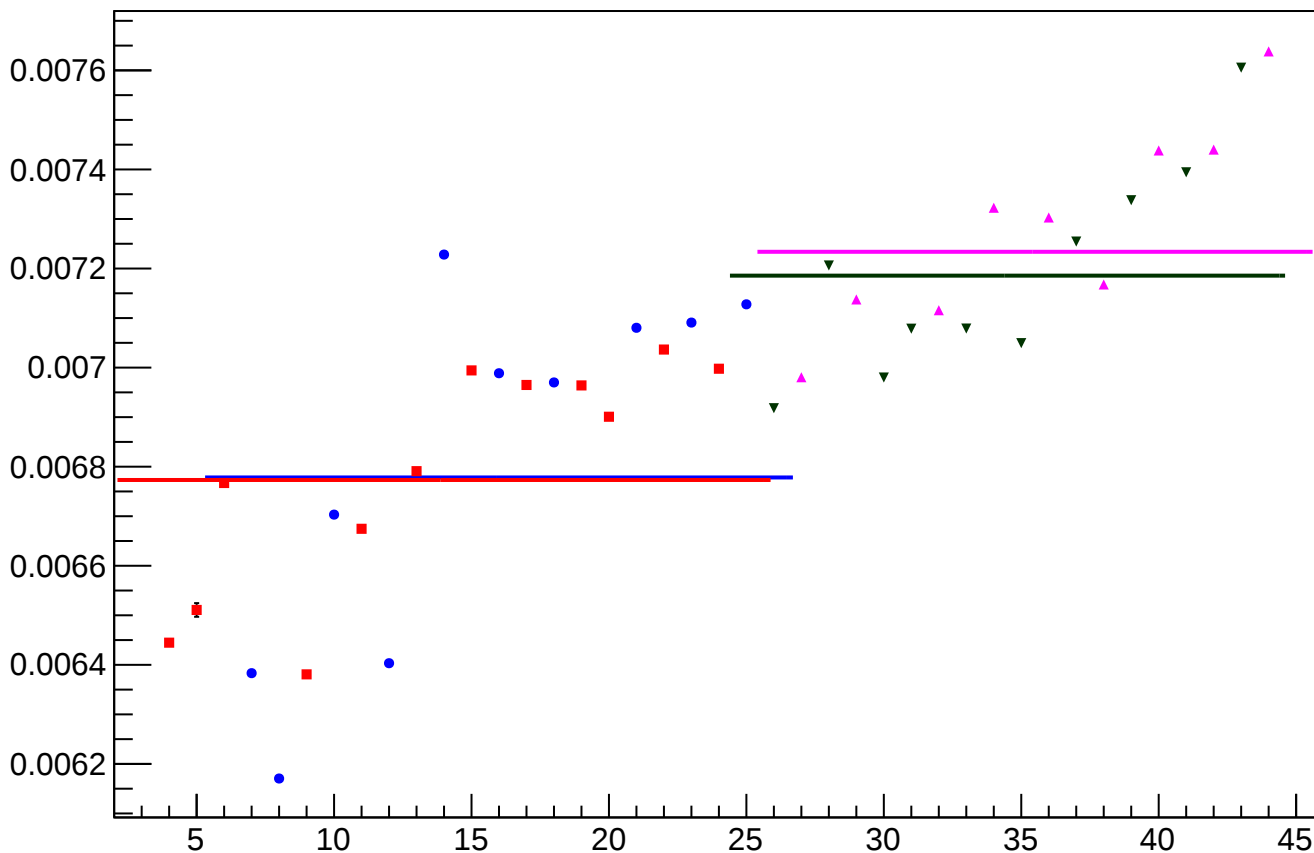
-8.494+/-0.000 χ^2/NDF : 712123354.4/19

Right Out: -8.549+/-0.000 χ^2/NDF : 379238014.1/11

-8.502+/-0.000 χ^2/NDF : 1088037359.2/20

Left In: -8.441+/-0.000 χ^2/NDF : 7266938.1/8

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 : 7631.6/9

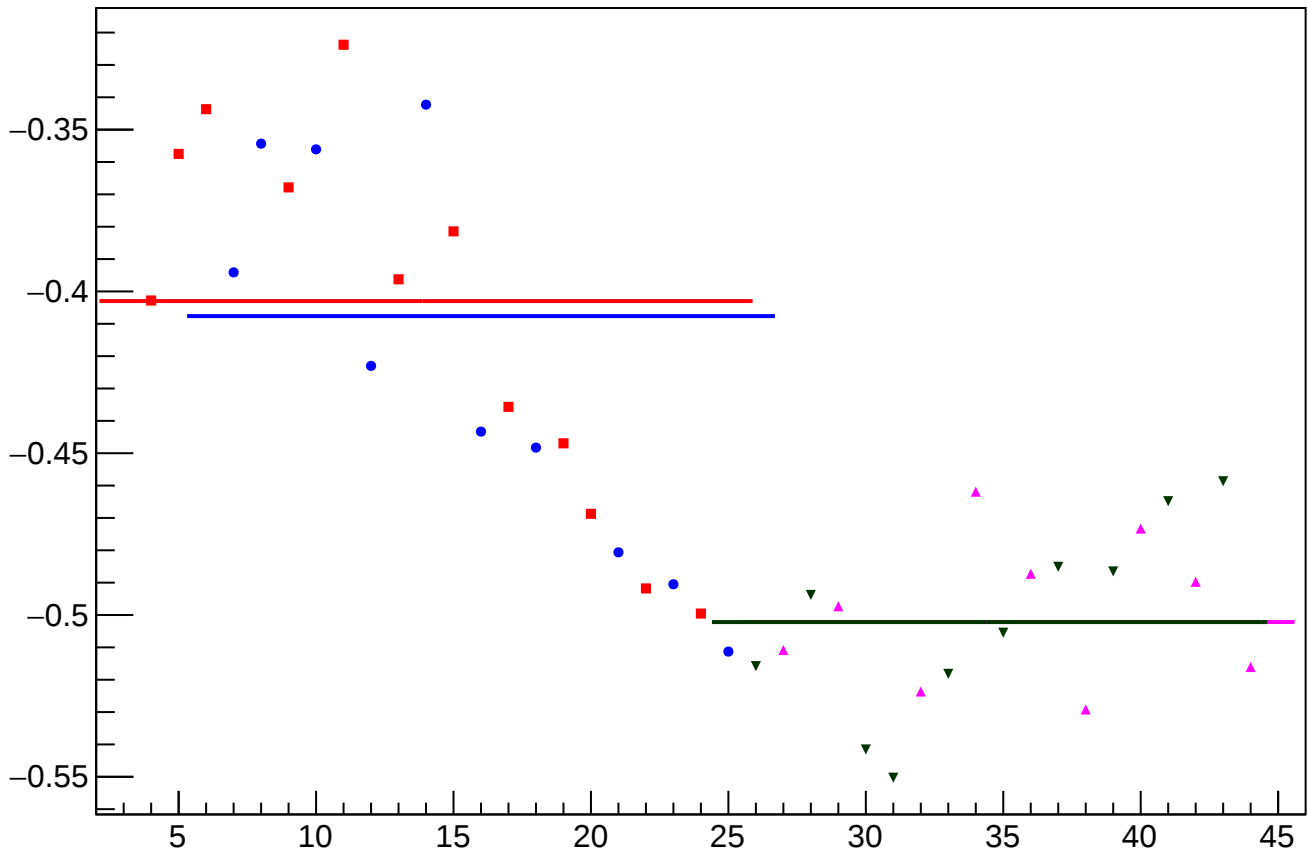
Right Out: 0.007+/-0.000 χ^2/NDF : 13957.5/11

Left In: 0.007+/-0.000 χ^2/NDF : 7802.2/8

0.007+/-0.000 χ^2/NDF : 67261.2/19

0.007+/-0.000 χ^2/NDF : 47506.8/20

yield_bpm2i02X_mean vs slug



Right In: -0.408+/-0.000 χ^2/NDF : 64975353.4/9

Left Out: -0.502+/-0.000 χ^2/NDF : 9337230.3/9

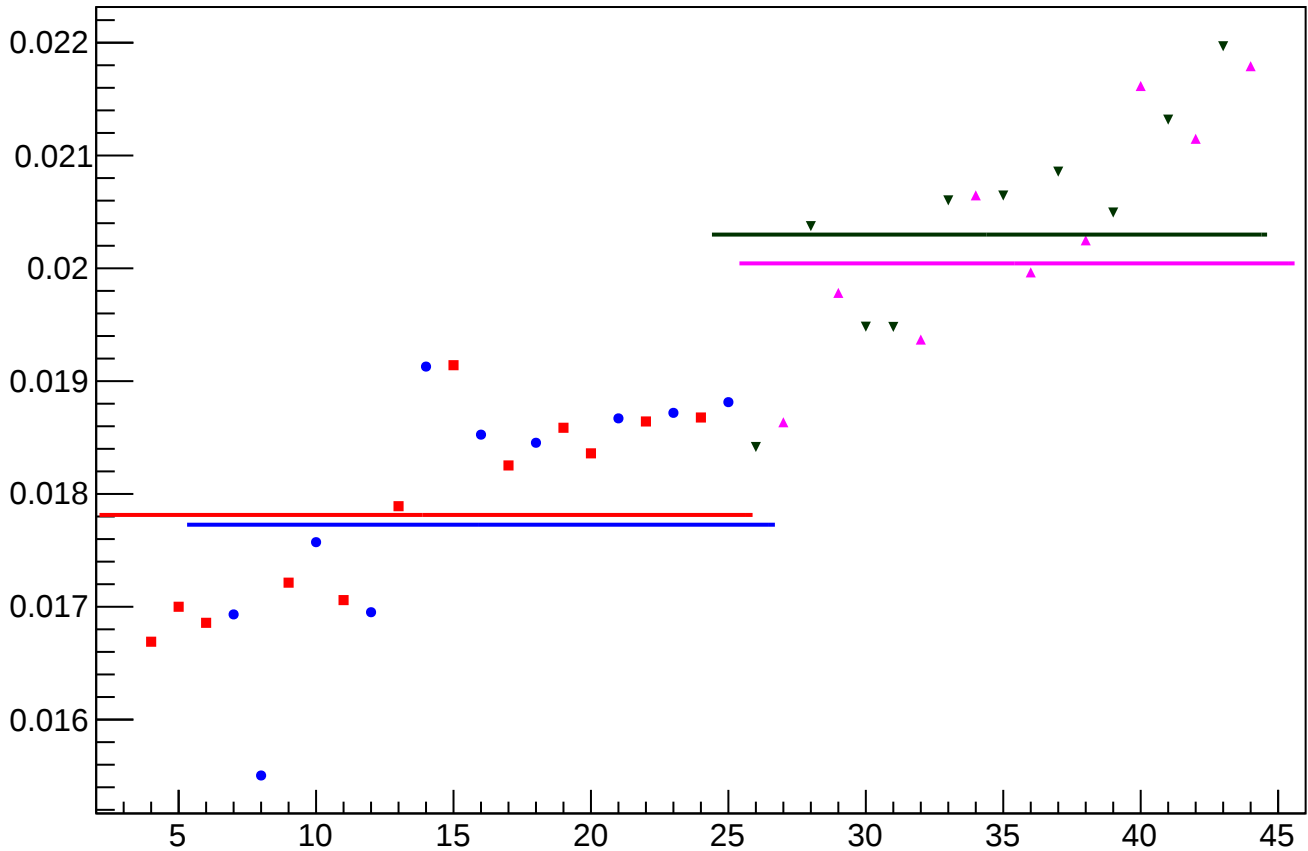
-0.444+/-0.000 χ^2/NDF : 144435205.7/19

Right Out: -0.403+/-0.000 χ^2/NDF : 62429358.0/11

-0.444+/-0.000 χ^2/NDF : 148221853.9/20

Left In: -0.502+/-0.000 χ^2/NDF : 5607835.8/8

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 : 22702.3/9

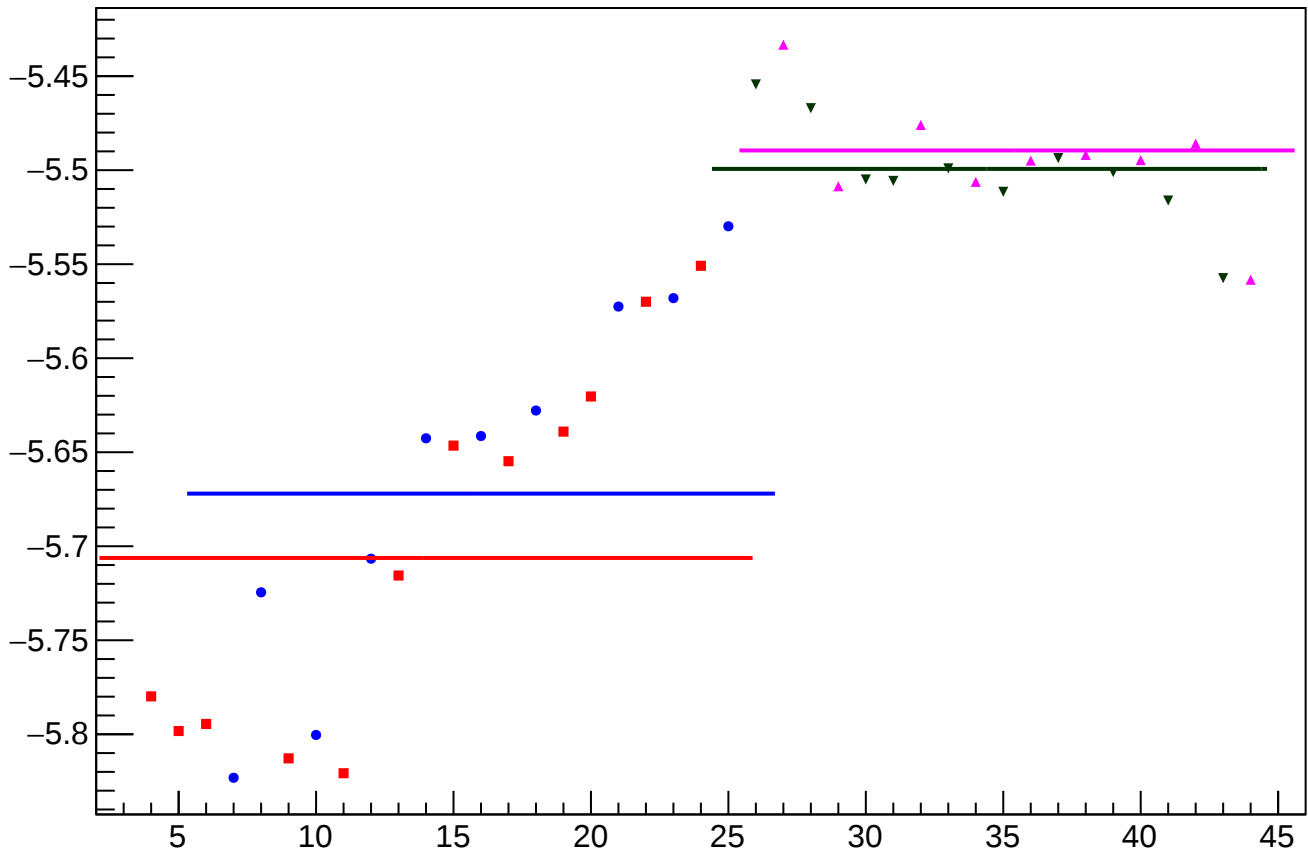
0.019+/-0.000 χ^2/NDF : 191225.0/19

Right Out: 0.018+/-0.000 χ^2/NDF : 24742.8/11

0.019+/-0.000 χ^2/NDF : 133089.5/20

Left In: 0.020+/-0.000 χ^2/NDF : 27295.1/8

yield_bpm2i02Y_mean vs slug



Right In: -5.672+/-0.000 χ^2/NDF : 307961378.2/9

Left Out: -5.499+/-0.000 χ^2/NDF : 23863148.1/9

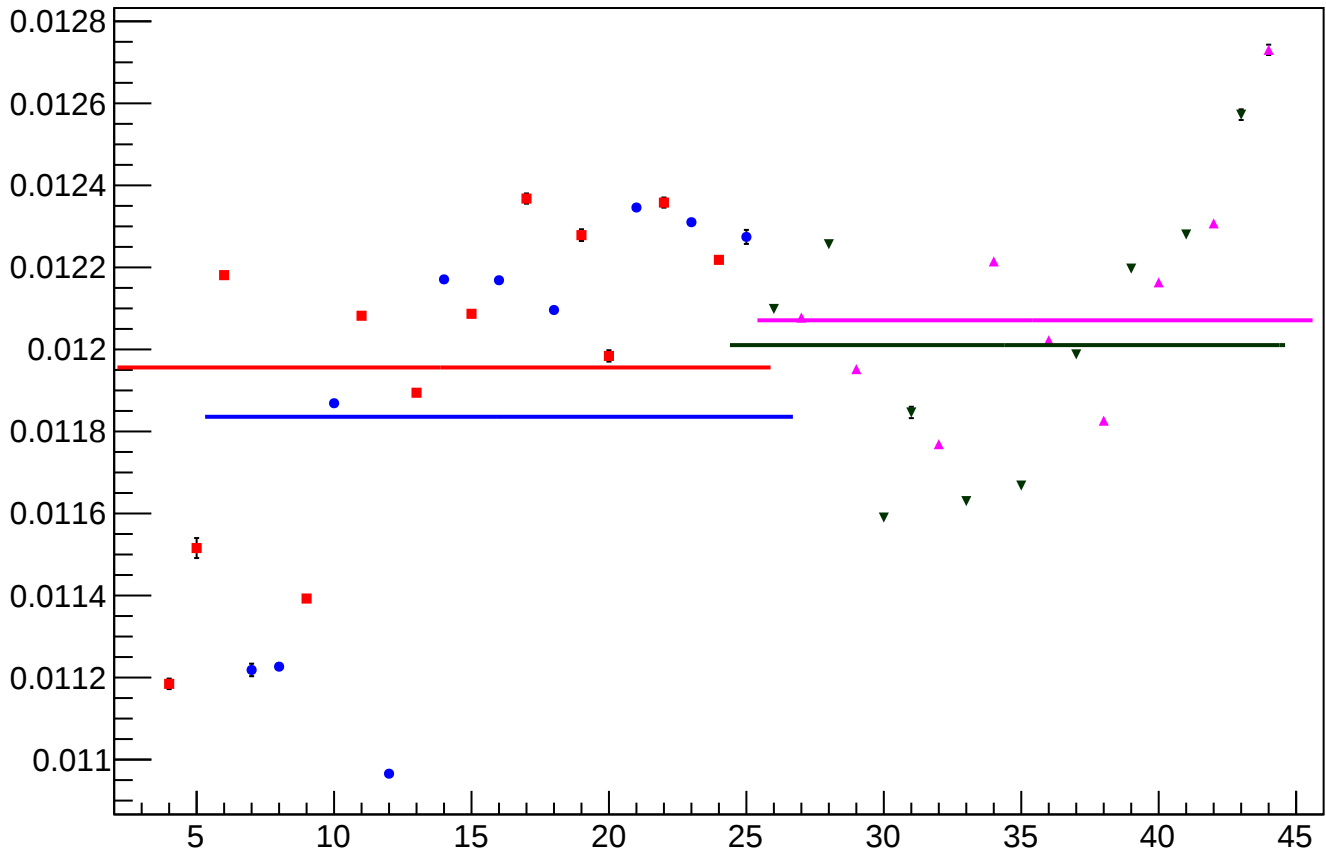
-5.595+/-0.000 χ^2/NDF : 943798312.6/19

Right Out: -5.706+/-0.000 χ^2/NDF : 393392324.7/11

-5.605+/-0.000 χ^2/NDF : 1402320546.3/20

Left In: -5.490+/-0.000 χ^2/NDF : 37957034.6/8

yield_bpm2i02Y_rms vs slug



Right In: 0.012+/-0.000 χ^2/NDF : 22267.5/9

Left Out: 0.012+/-0.000 χ^2/NDF : 6913.8/9

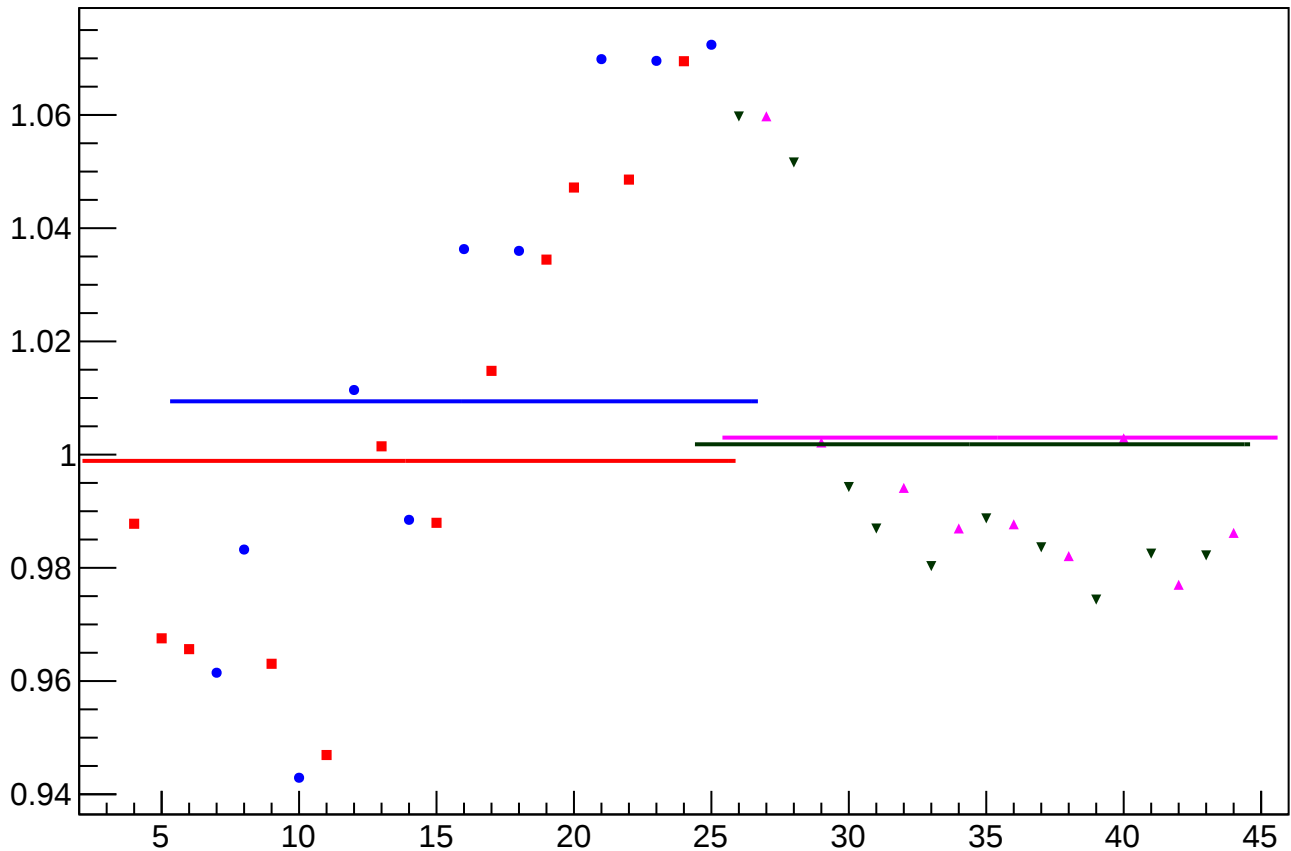
0.012+/-0.000 χ^2/NDF : 30434.8/19

Right Out: 0.012+/-0.000 χ^2/NDF : 11709.7/11

0.012+/-0.000 χ^2/NDF : 17386.4/20

Left In: 0.012+/-0.000 χ^2/NDF : 5130.3/8

yield_bpm1i04X_mean vs slug



Right In: 1.009+/-0.000 χ^2/NDF : 182212338.7/9

Left Out: 1.002+/-0.000 χ^2/NDF : 93267140.0/9

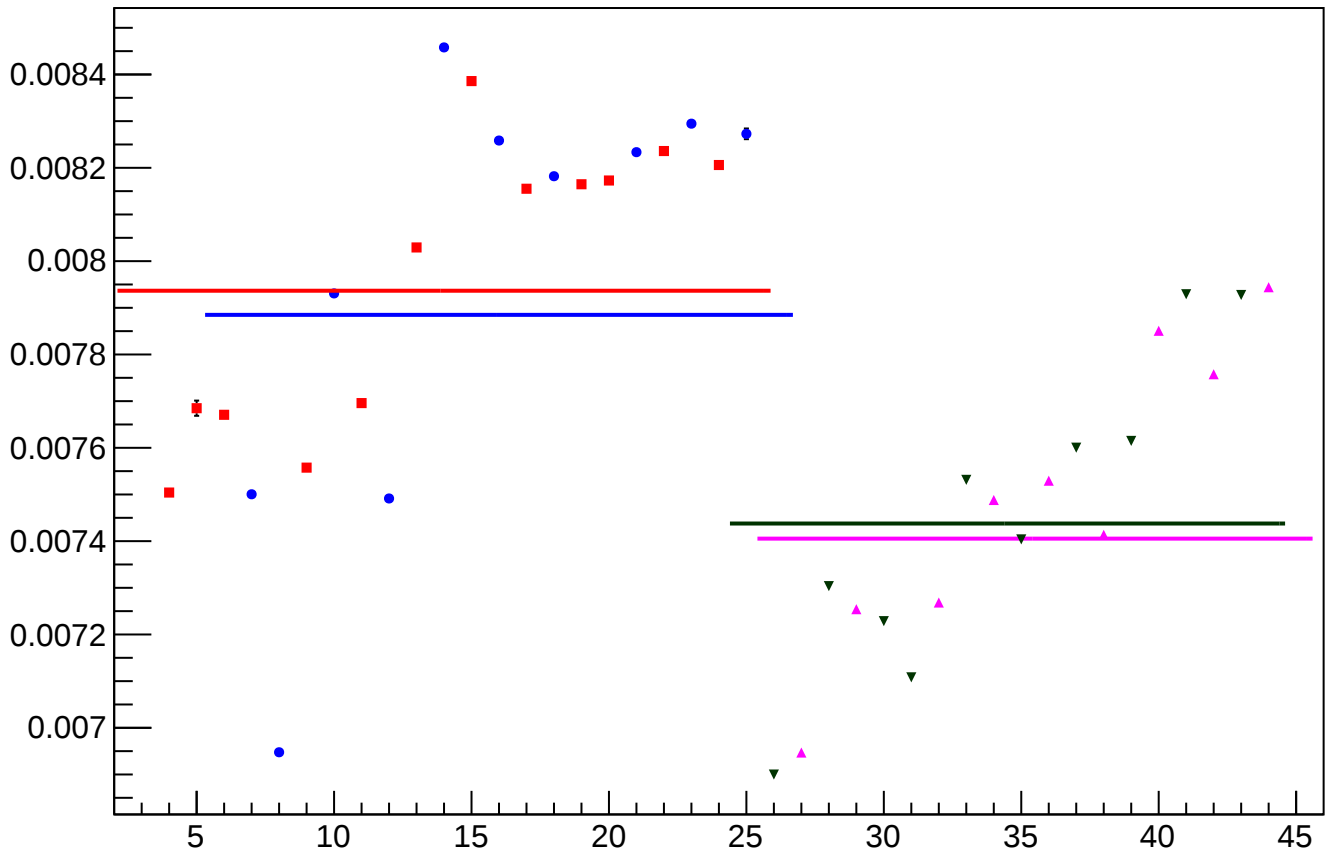
1.006+/-0.000 χ^2/NDF : 278335387.5/19

Right Out: 0.999+/-0.000 χ^2/NDF : 147584109.7/11

1.001+/-0.000 χ^2/NDF : 222254534.9/20

Left In: 1.003+/-0.000 χ^2/NDF : 73816796.1/8

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 : 18100.0/9

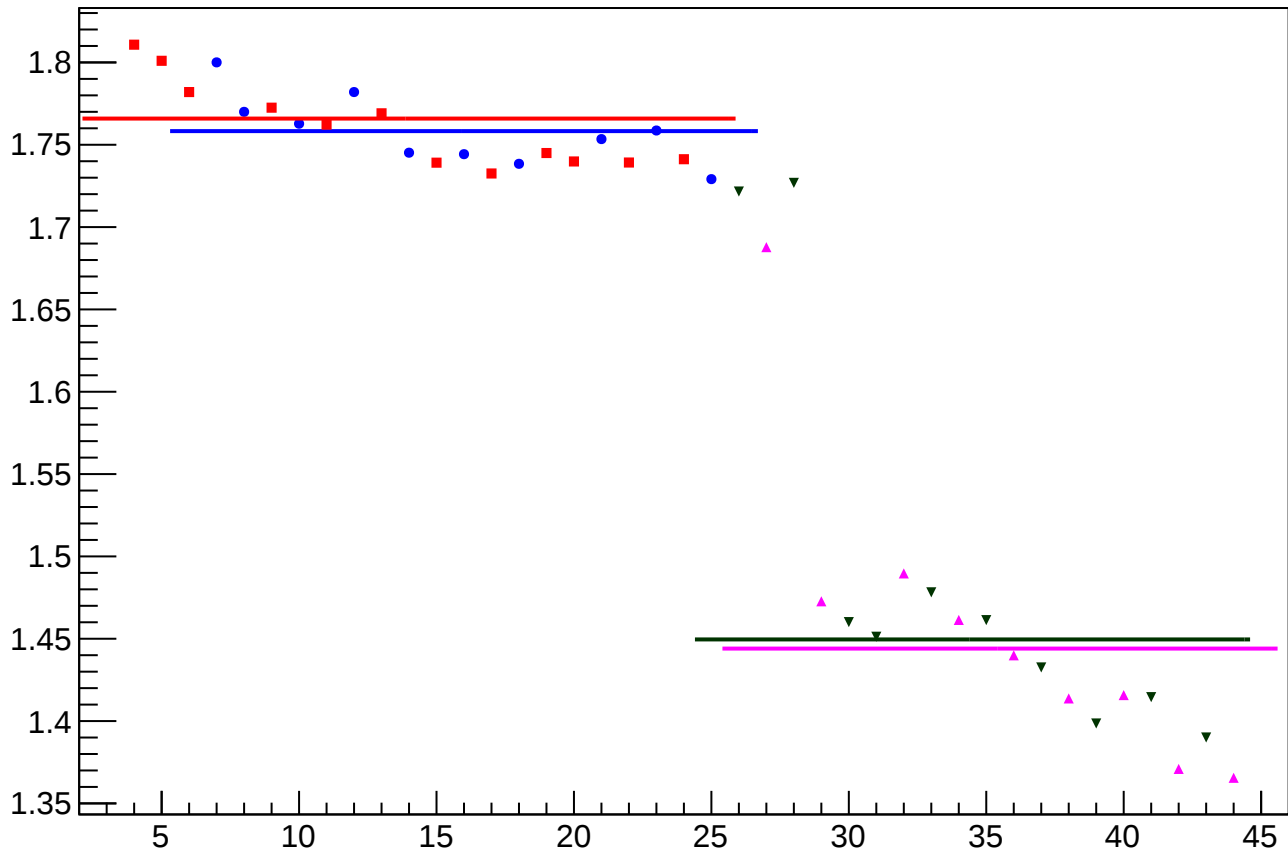
Right Out: 0.008+/-0.000 χ^2/NDF : 17438.8/11

Left In: 0.007+/-0.000 χ^2/NDF : 18945.2/8

0.008+/-0.000 χ^2/NDF : 95841.8/19

0.008+/-0.000 χ^2/NDF : 64882.1/20

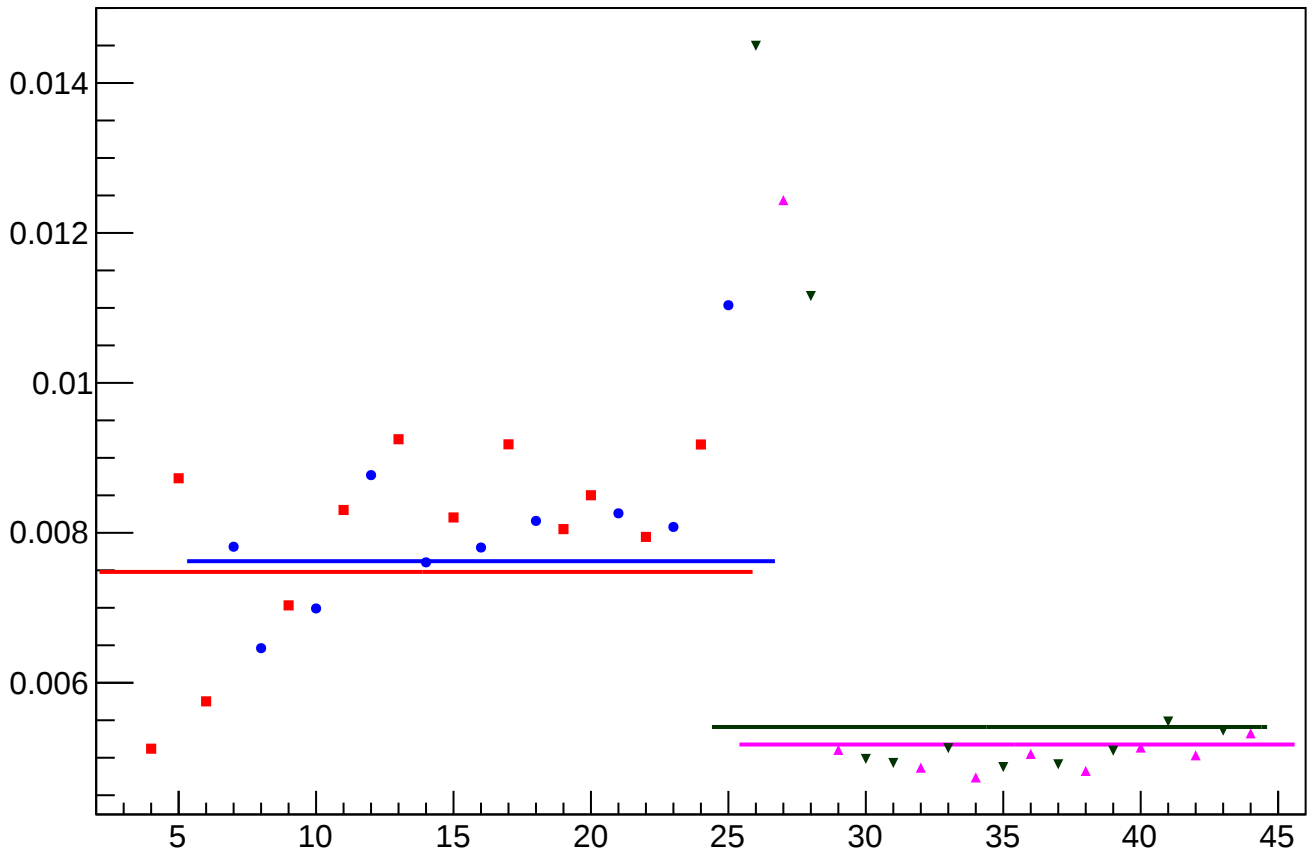
yield_bpm1i04Y_mean vs slug



Right In: 1.758+/-0.000 χ^2/NDF : 25411176.0/9
 Left Out: 1.450+/-0.000 χ^2/NDF : 719591225.9/9
 Right Out: 1.766+/-0.000 χ^2/NDF : 62233931.0/11
 Left In: 1.444+/-0.000 χ^2/NDF : 633323170.8/8

1.571+/-0.000 χ^2/NDF : 6727511214.2/19
 1.559+/-0.000 χ^2/NDF : 7666019212.4/20

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 : 753040.6/9

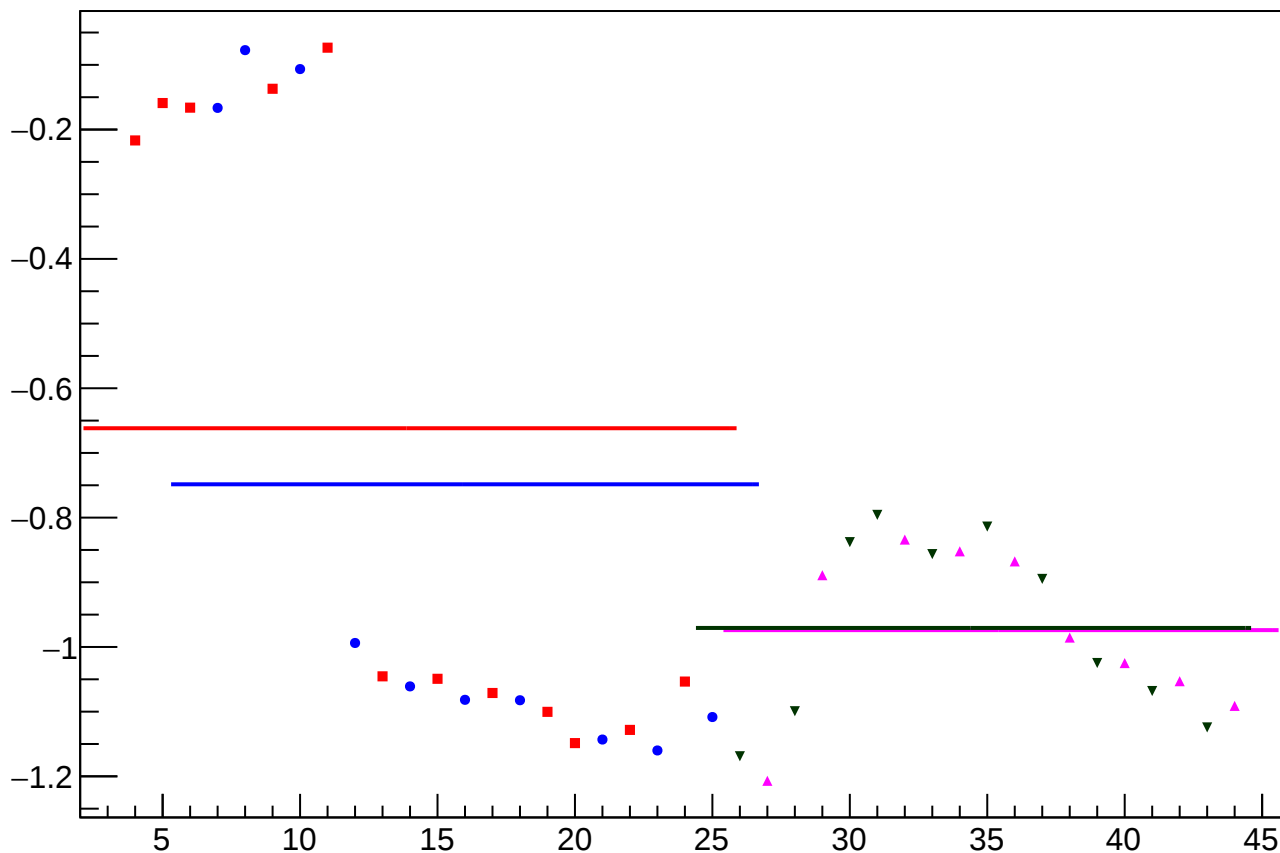
Right Out: 0.007+/-0.000 χ^2/NDF : 437086.3/11

Left In: 0.005+/-0.000 χ^2/NDF : 514197.3/8

0.006+/-0.000 χ^2/NDF : 1519485.2/19

0.006+/-0.000 χ^2/NDF : 1664412.8/20

yield_bpm0l01X_mean vs slug



Right In: -0.748+/-0.000 χ^2/NDF : 17438936914.1/9

Left Out: -0.971+/-0.000 χ^2/NDF : 1156218036.6/9

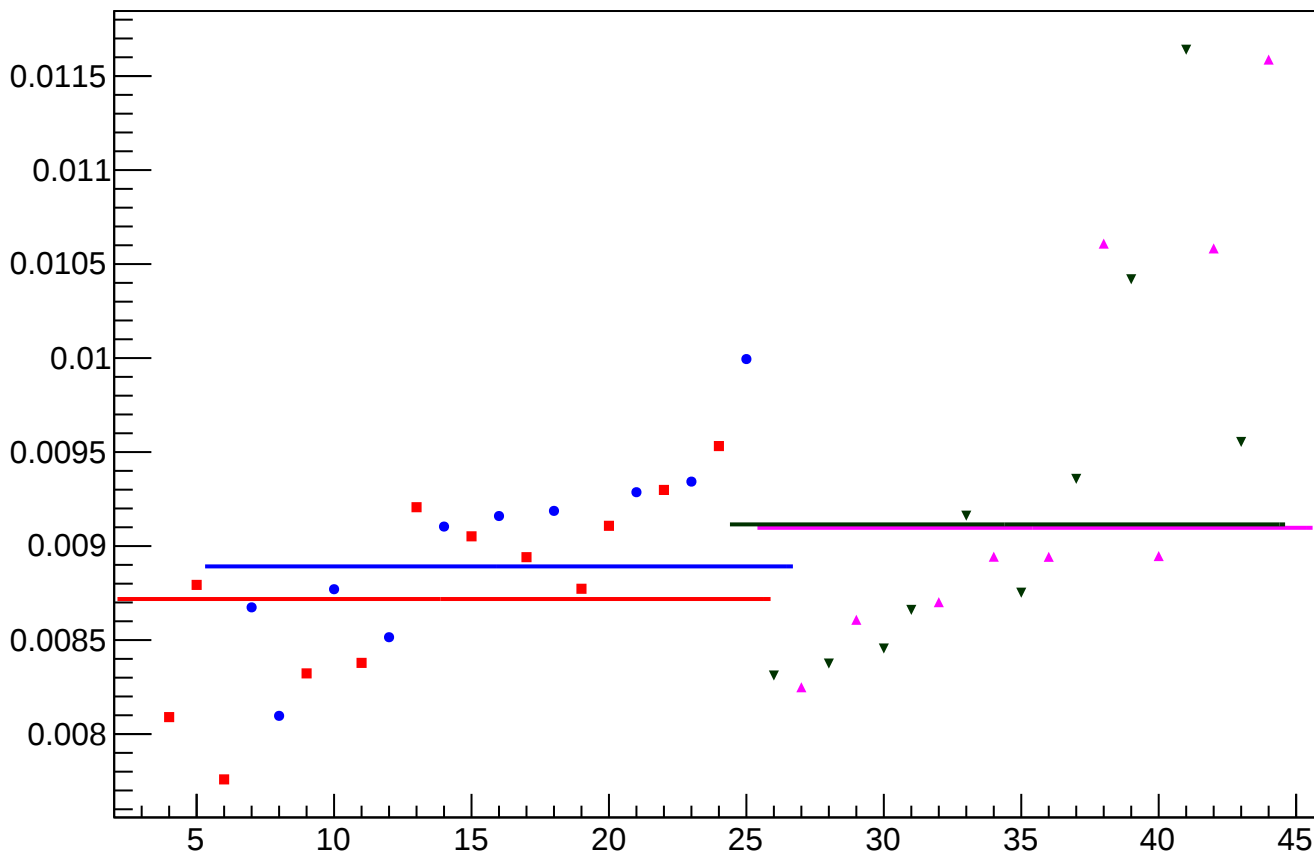
Right Out: -0.662+/-0.000 χ^2/NDF : 17756149128.0/11

Left In: -0.974+/-0.000 χ^2/NDF : 1225322966.4/8

-0.846+/-0.000 χ^2/NDF : 20313821193.1/19

-0.802+/-0.000 χ^2/NDF : 22542712477.8/20

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 :104201.5/9

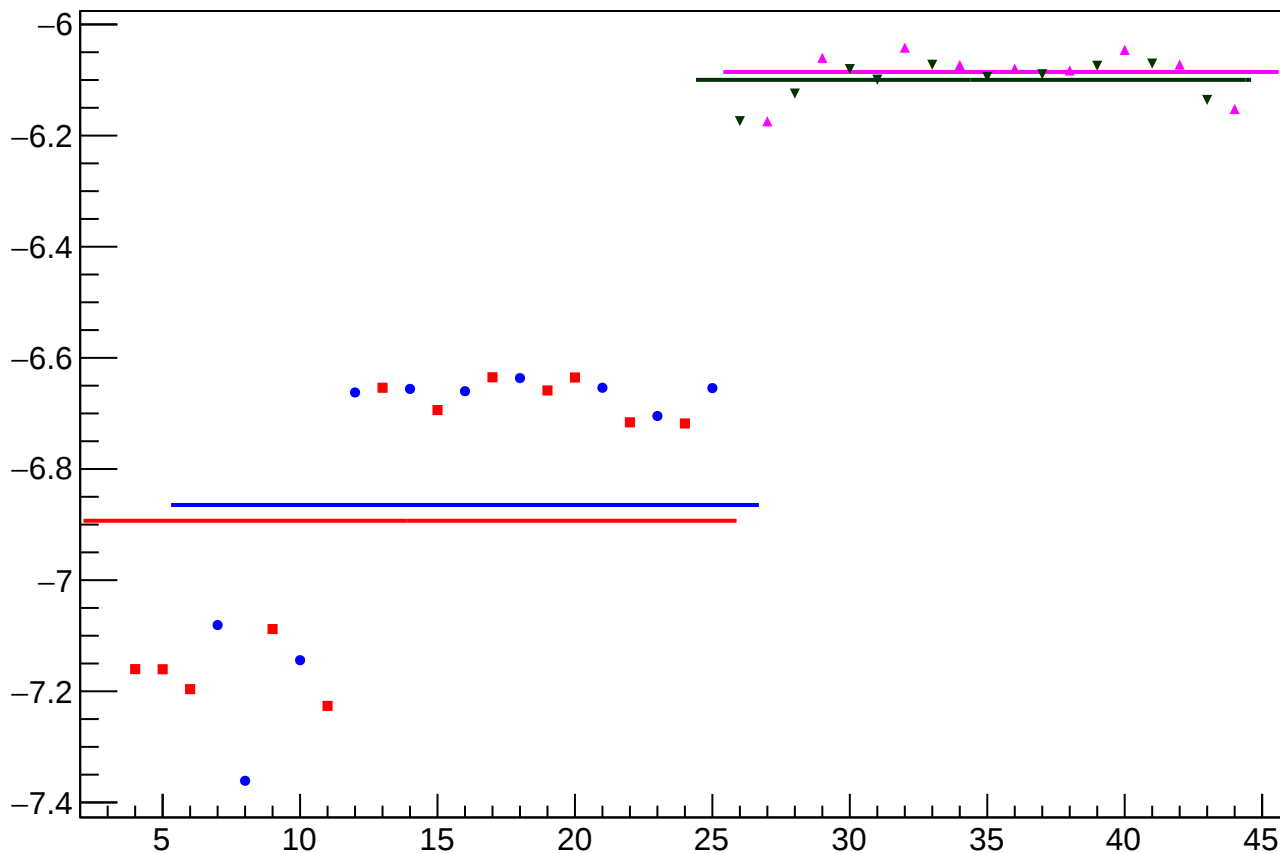
Right Out: 0.009+/-0.000 χ^2/NDF : 47651.1/11

Left In: 0.009+/-0.000 χ^2/NDF :115547.6/8

0.009+/-0.000 χ^2/NDF : 142014.9/19

0.009+/-0.000 χ^2/NDF : 173689.1/20

yield_bpm0l01Y_mean vs slug



Right In: -6.865+/-0.000 χ^2/NDF : 6618589018.0/9

Left Out: -6.100+/-0.000 χ^2/NDF : 52135577.5/9

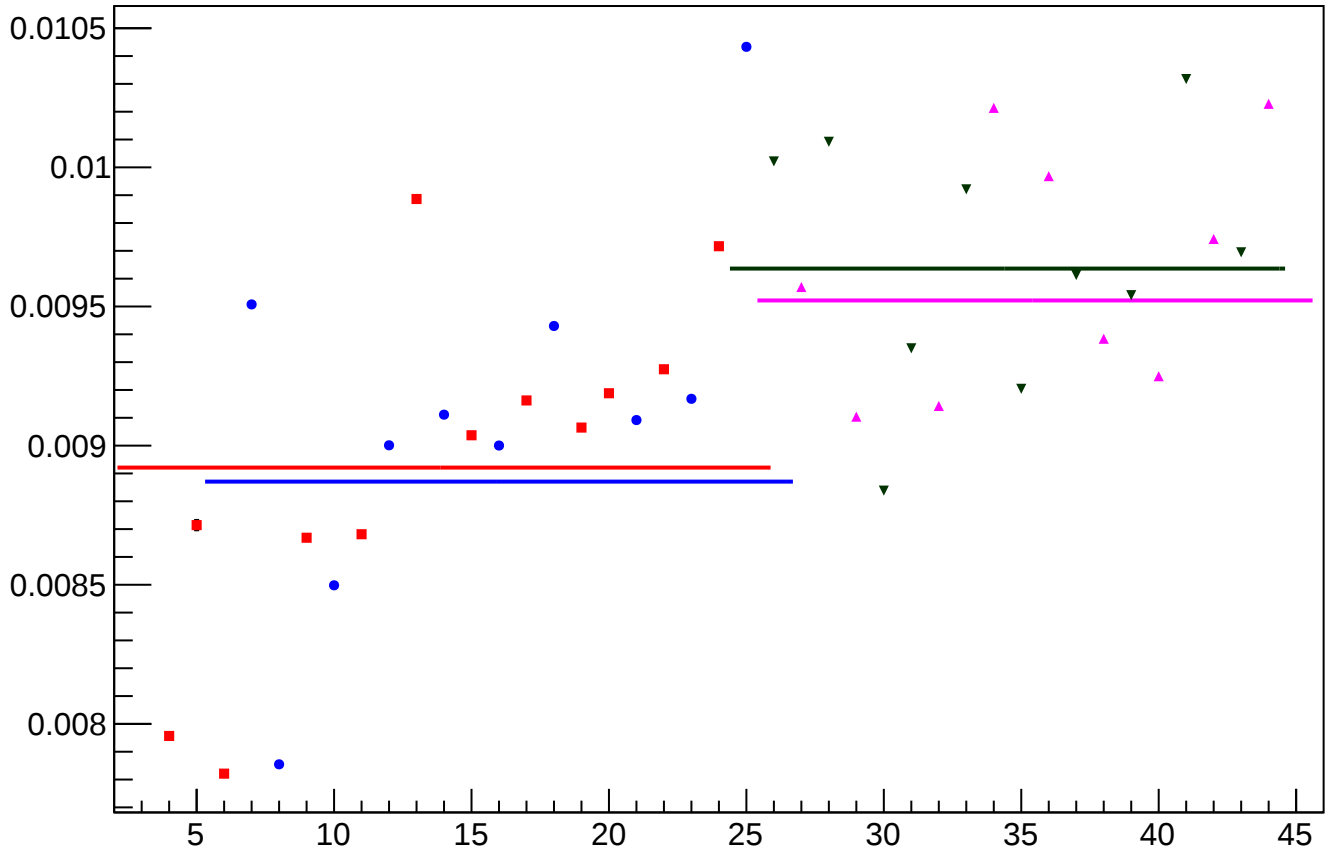
Right Out: -6.893+/-0.000 χ^2/NDF : 4705739160.1/11

Left In: -6.085+/-0.000 χ^2/NDF : 127997791.5/8

-6.551+/-0.000 χ^2/NDF : 25703309803.3/19

-6.537+/-0.000 χ^2/NDF : 26847724059.1/20

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 : 21331.0/9

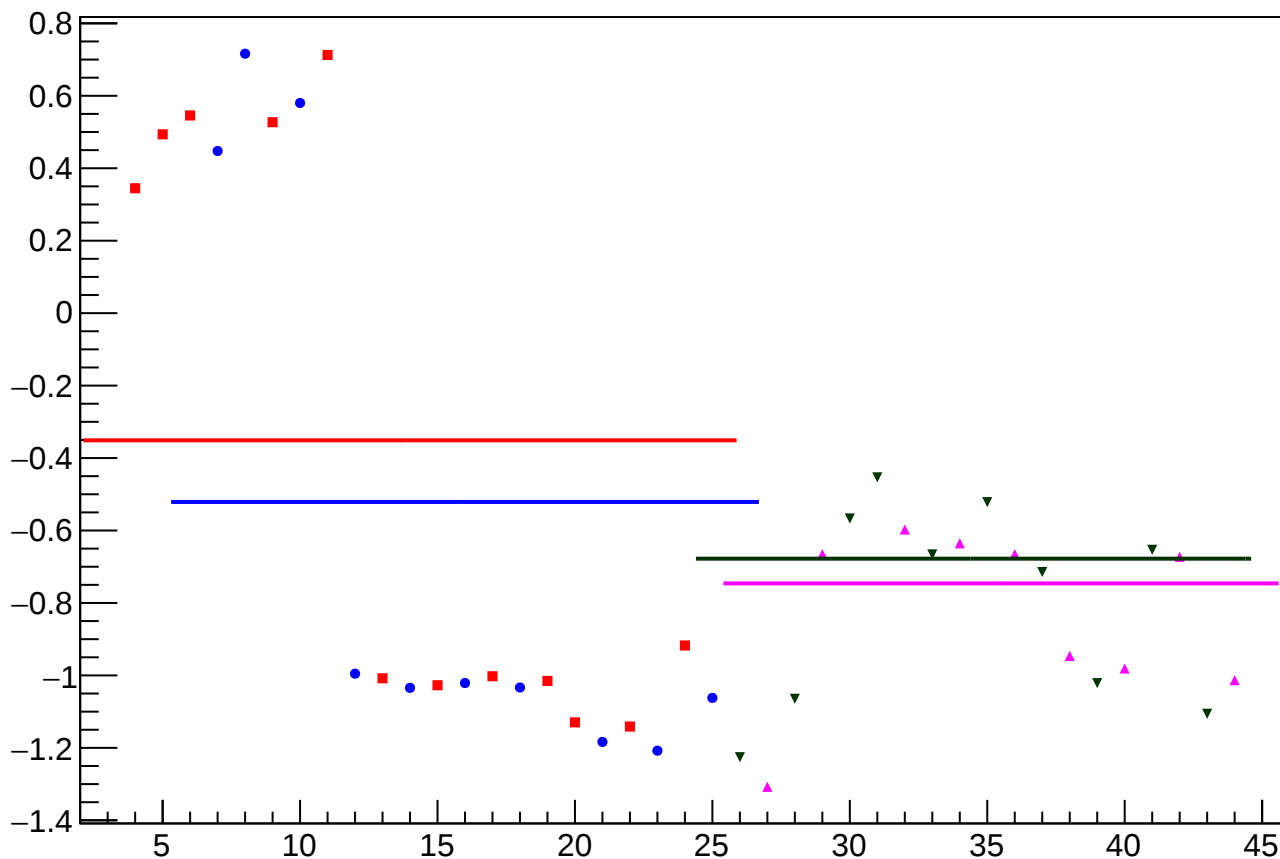
Right Out: 0.009+/-0.000 χ^2/NDF : 61199.2/11

Left In: 0.010+/-0.000 χ^2/NDF : 19294.1/8

0.009+/-0.000 χ^2/NDF : 113399.9/19

0.009+/-0.000 χ^2/NDF : 104841.0/20

yield_bpm0l02X_mean vs slug



Right In: -0.521+/-0.000 χ^2/NDF : 9220973673.4/9

Left Out: -0.678+/-0.000 χ^2/NDF :1358570765.2/9

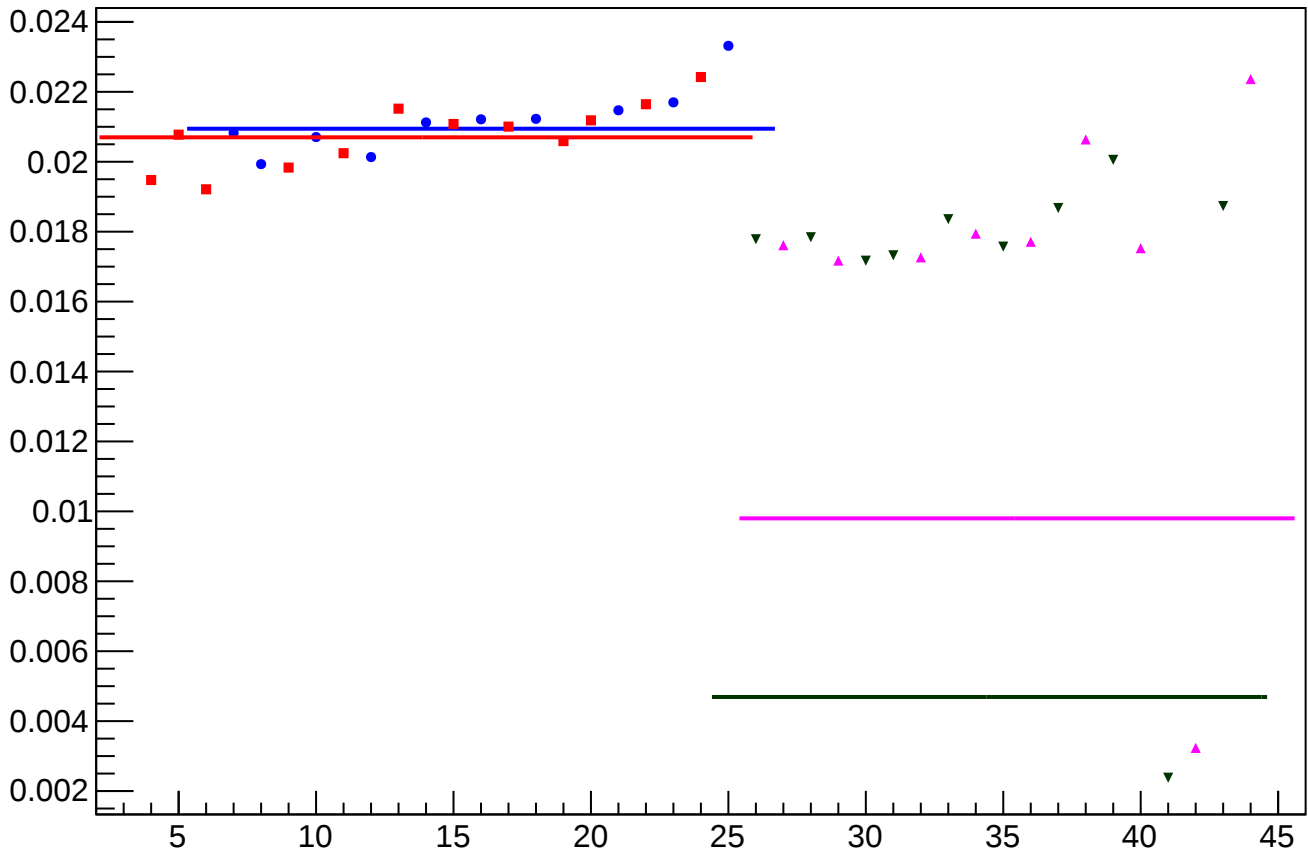
Right Out: -0.351+/-0.000 χ^2/NDF : 8987357685.6/11

Left In: -0.746+/-0.000 χ^2/NDF :1268707812.5/8

-0.657+/-0.000 χ^2/NDF : 10888038797.3/19

-0.629+/-0.000 χ^2/NDF : 11855779596.1/20

yield_bpm0l02X_rms vs slug



Right In: 0.021+/-0.000 χ^2/NDF : 14569.8/9

Left Out: 0.005+/-0.000 χ^2/NDF : 5998219.6/9

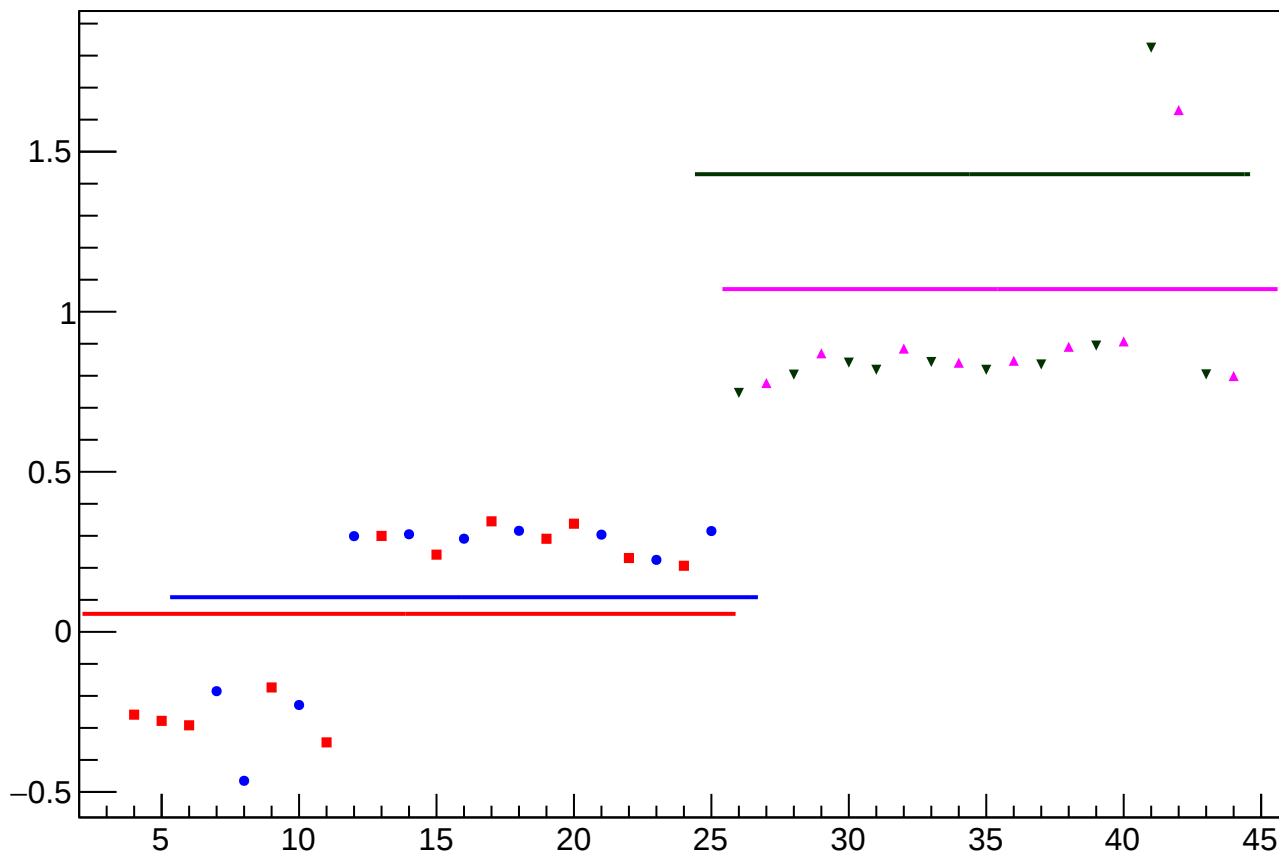
Right Out: 0.021+/-0.000 χ^2/NDF : 25534.1/11

Left In: 0.010+/-0.000 χ^2/NDF : 3818425.7/8

0.007+/-0.000 χ^2/NDF : 12658809.2/19

0.013+/-0.000 χ^2/NDF : 6280520.1/20

yield_bpm0l02Y_mean vs slug



Right In: 0.108+/-0.000 χ^2/NDF : 3631955649.9/9

Left Out: 1.430+/-0.000 χ^2/NDF : 20131817794.8/9

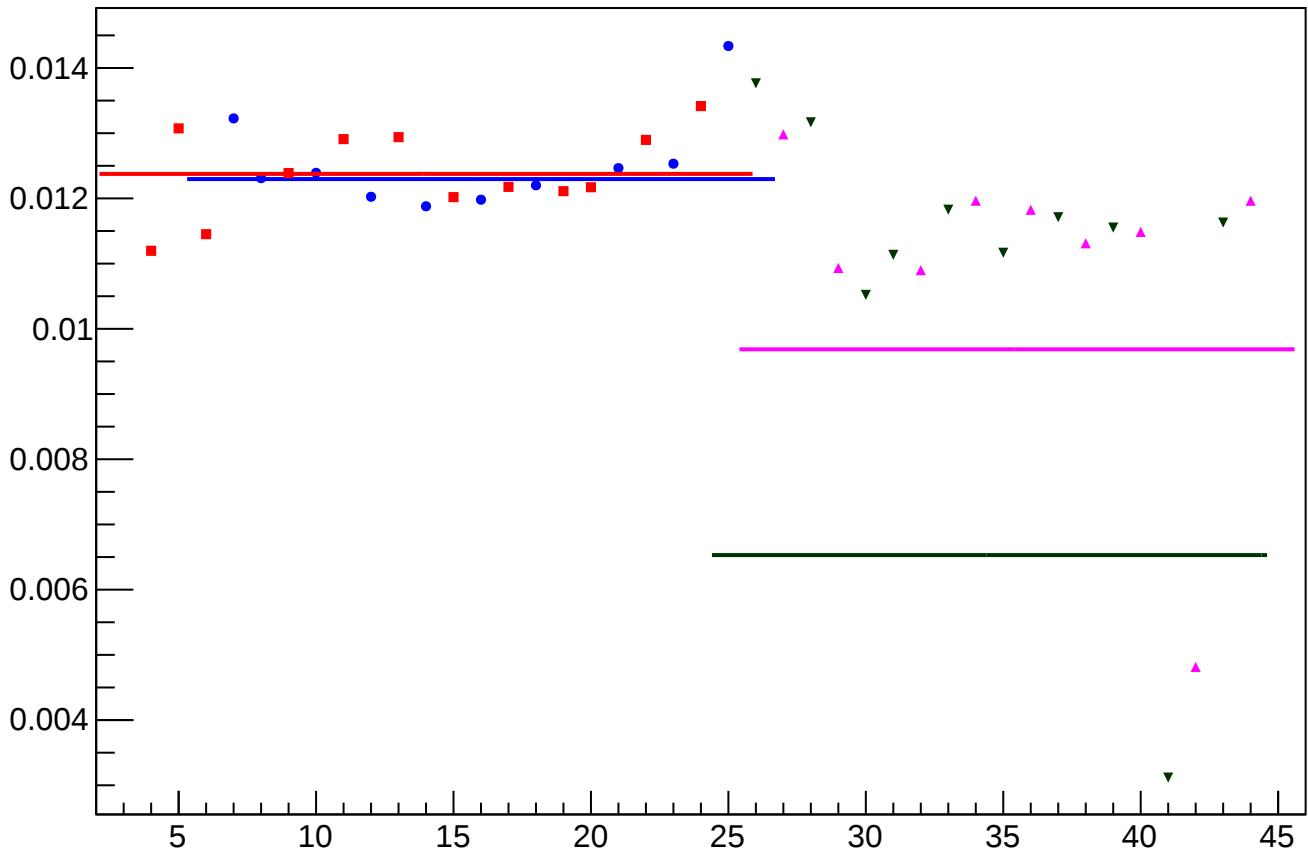
Right Out: 0.056+/-0.000 χ^2/NDF : 2963825797.0/11

Left In: 1.071+/-0.000 χ^2/NDF : 6285541515.9/8

0.994+/-0.000 χ^2/NDF : 72373337015.9/19

0.628+/-0.000 χ^2/NDF : 32468699998.0/20

yield_bpm0l02Y_rms vs slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 17281.6/9

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 3050338.6/9

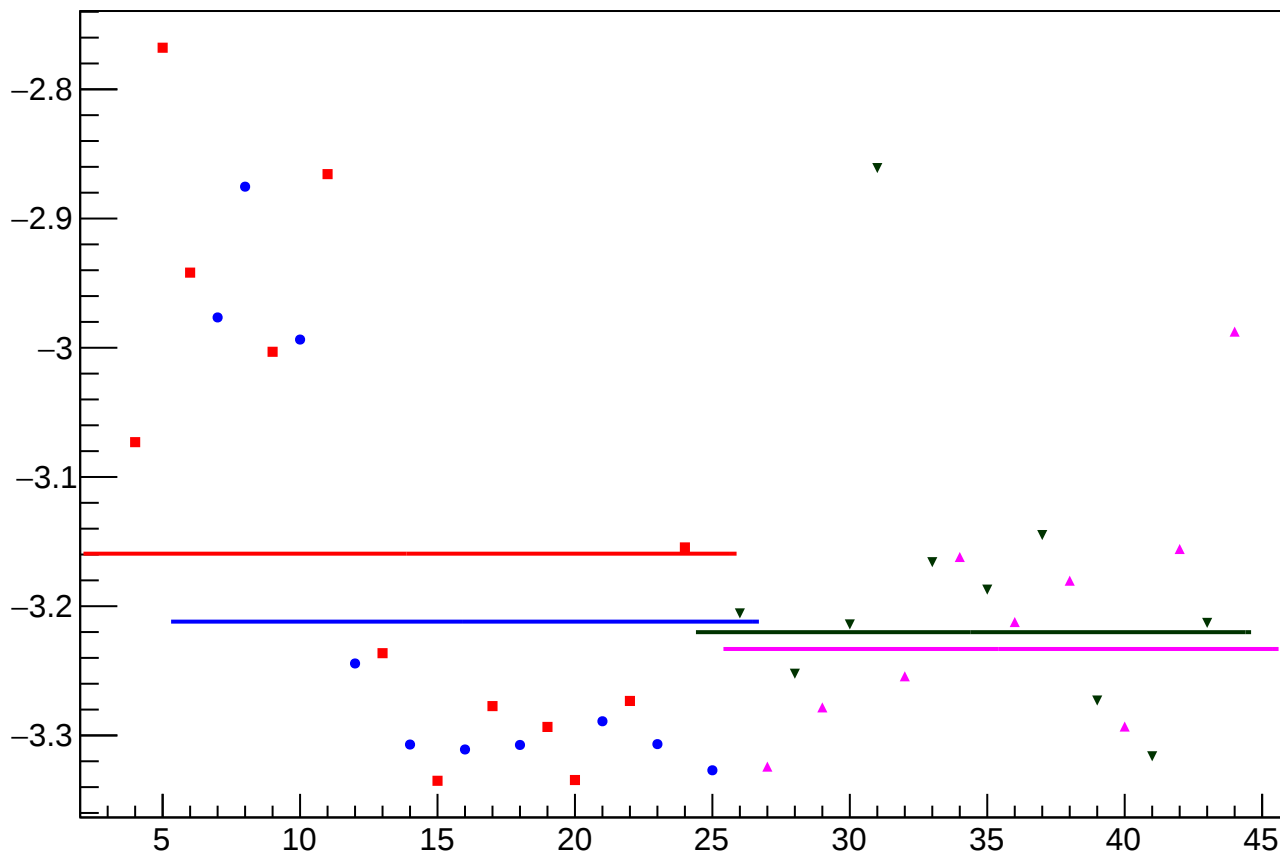
0.008 $\pm$ 0.000 χ^2 /NDF: 4919150.3/19

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 31560.7/11

0.011 $\pm$ 0.000 χ^2 /NDF: 1337163.9/20

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 979026.7/8

yield_bpm0l03X_mean vs slug



Right In: -3.212 ± 0.000 $\chi^2/\text{NDF}: 2232010531.1/9$

Left Out: -3.220 ± 0.000 $\chi^2/\text{NDF}: 428312091.3/9$

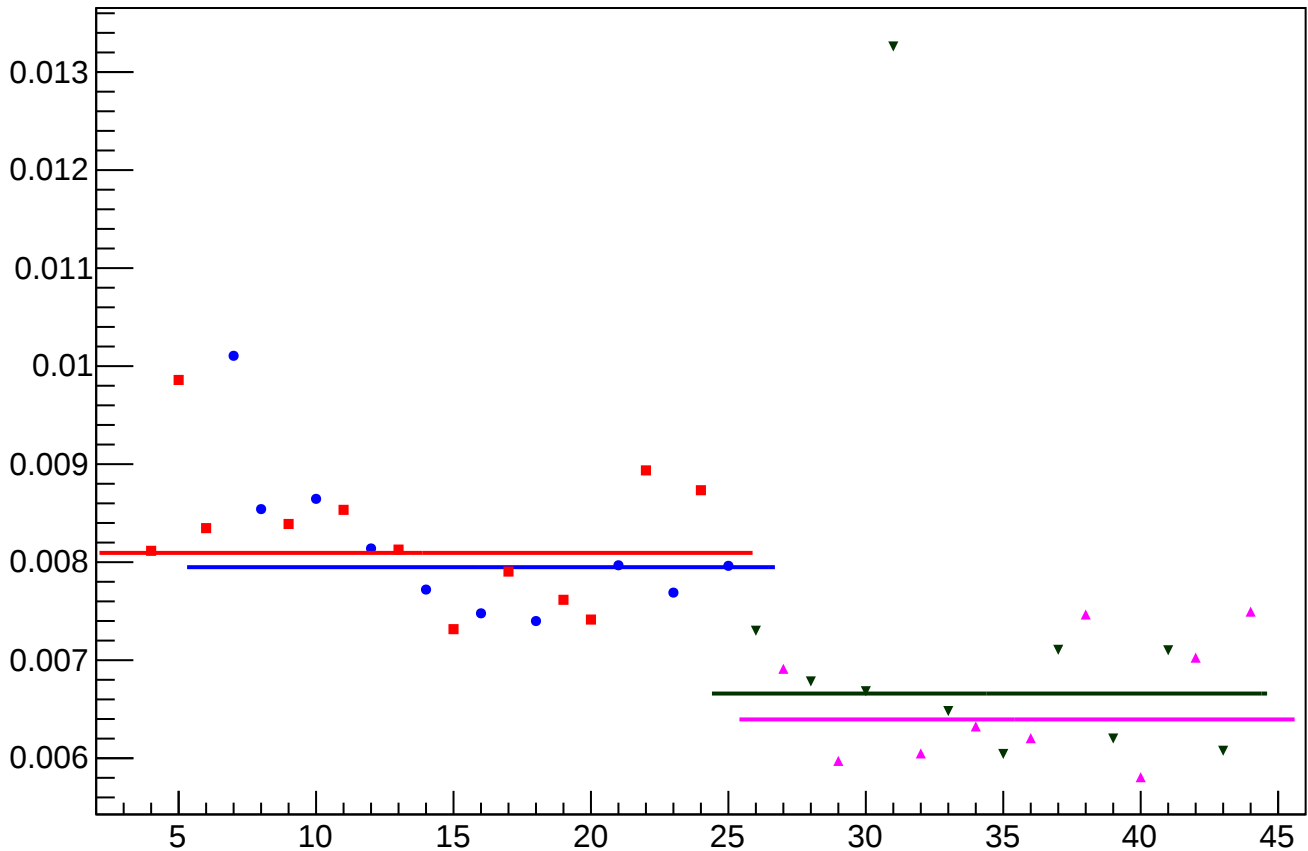
Right Out: -3.159 ± 0.000 $\chi^2/\text{NDF}: 2193027591.1/11$

Left In: -3.233 ± 0.000 $\chi^2/\text{NDF}: 784509895.8/8$

-3.216 ± 0.000 $\chi^2/\text{NDF}: 2663417664.9/19$

-3.203 ± 0.000 $\chi^2/\text{NDF}: 3236900333.6/20$

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 : 169219.9/9

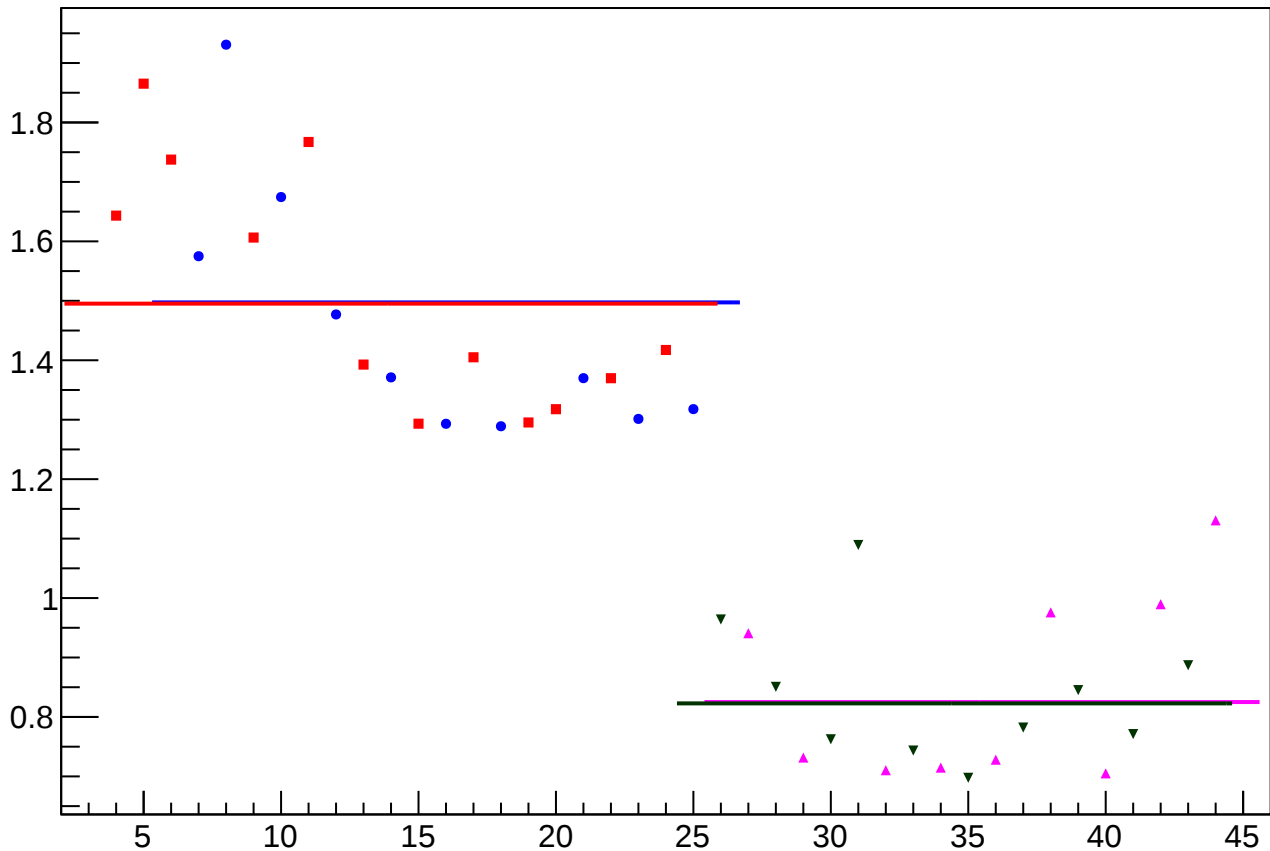
Right Out: 0.008+/-0.000 χ^2/NDF : 41566.1/11

Left In: 0.006+/-0.000 χ^2/NDF : 72293.2/8

0.007+/-0.000 χ^2/NDF : 366109.8/19

0.007+/-0.000 χ^2/NDF : 389176.4/20

yield_bpm0l03Y_mean vs slug



Right In: 1.497 $\pm$ 0.000 χ^2 /NDF: 5019721758.5/9

Left Out: 0.823 $\pm$ 0.000 χ^2 /NDF: 373202951.2/9

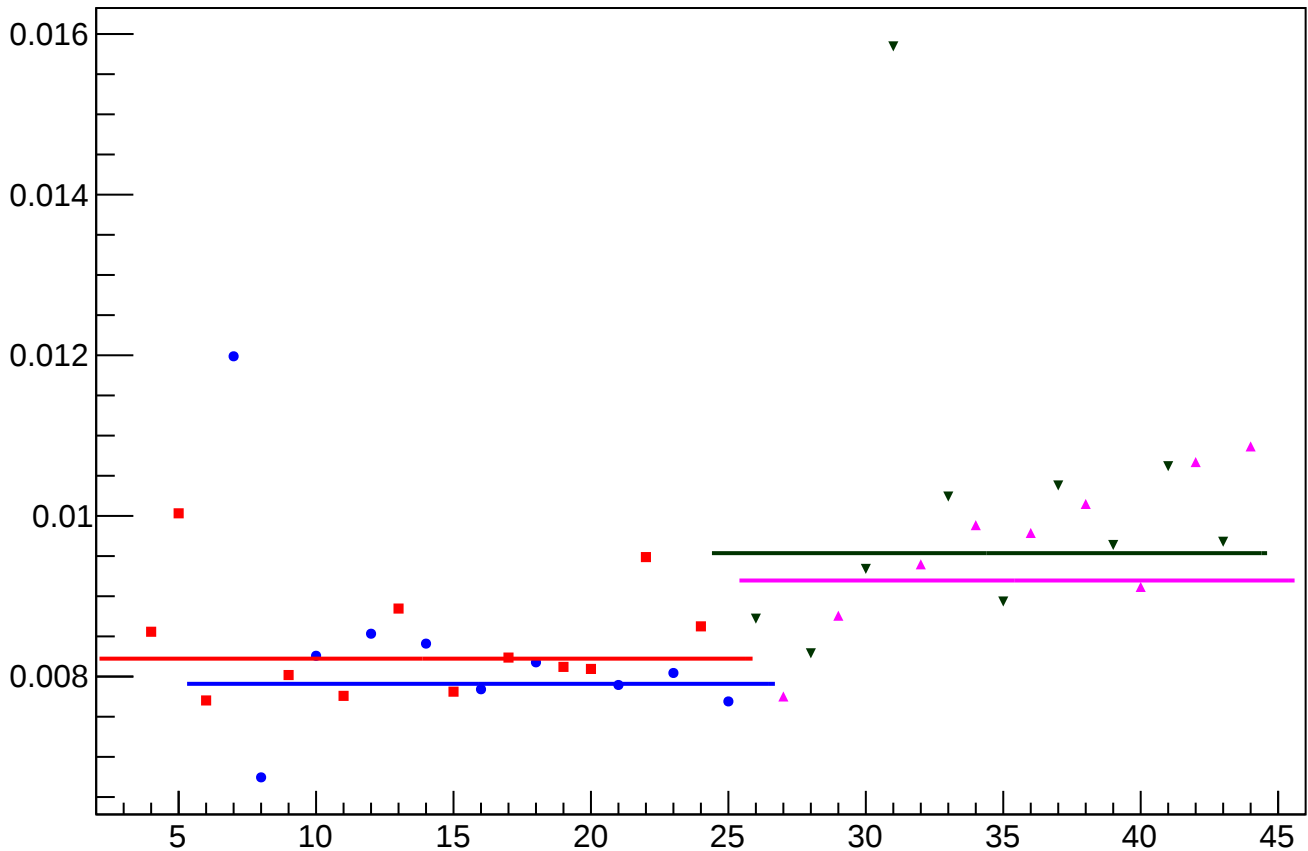
1.257 $\pm$ 0.000 χ^2 /NDF: 19473068444.4/19

Right Out: 1.495 $\pm$ 0.000 χ^2 /NDF: 2404671234.5/11

1.207 $\pm$ 0.000 χ^2 /NDF: 18079635182.4/20

Left In: 0.825 $\pm$ 0.000 χ^2 /NDF: 1054829783.2/8

yield_bpm0l03Y_rms vs slug



Right In: 0.008 ± 0.000 χ^2/NDF : 91526.9/9

Left Out: 0.010 ± 0.000 χ^2/NDF : 144258.2/9

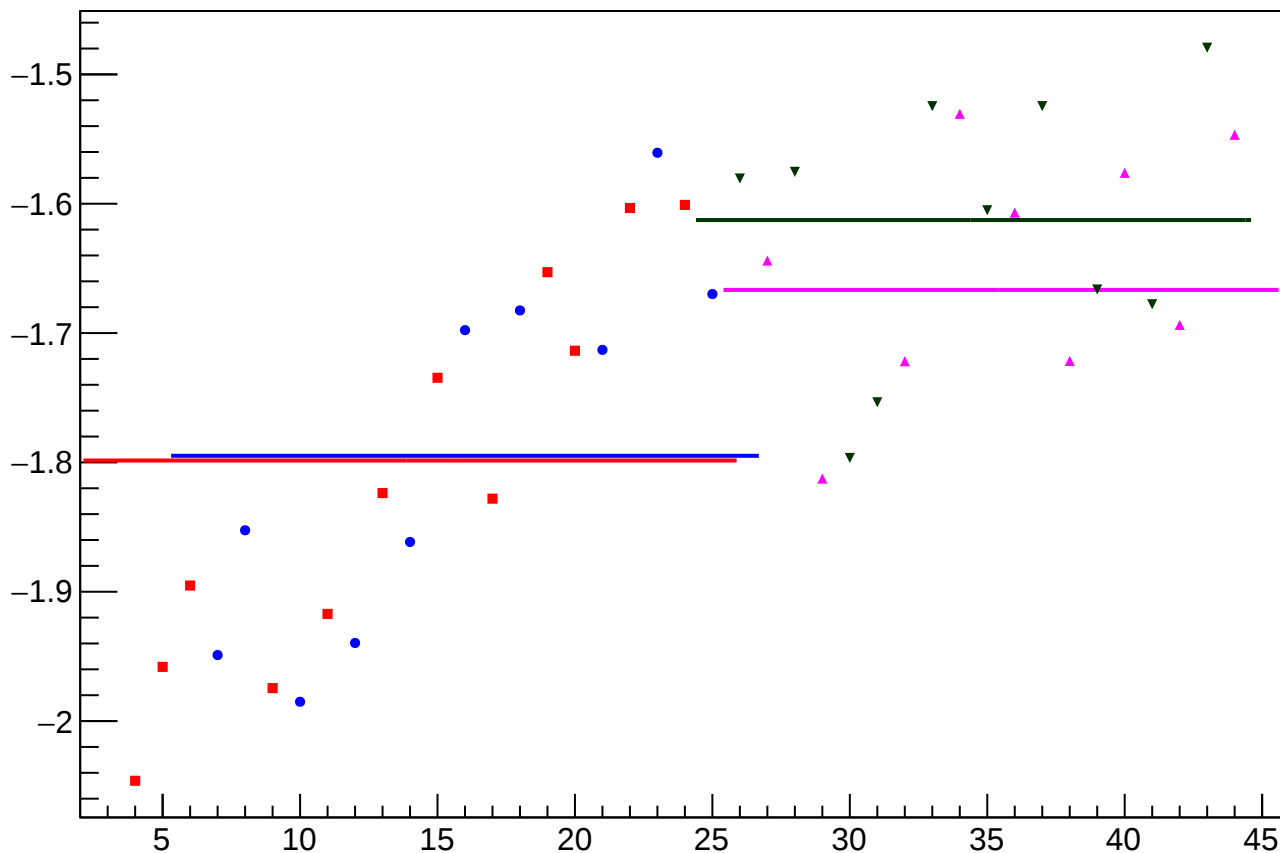
Right Out: 0.008 ± 0.000 χ^2/NDF : 38168.5/11

Left In: 0.009 ± 0.000 χ^2/NDF : 103784.9/8

0.008 ± 0.000 χ^2/NDF : 399625.1/19

0.009 ± 0.000 χ^2/NDF : 203589.4/20

yield_bpm0l04X_mean vs slug



Right In: -1.795+/-0.000 χ^2/NDF : 835574790.6/9

Left Out: -1.613+/-0.000 χ^2/NDF : 327148879.4/9

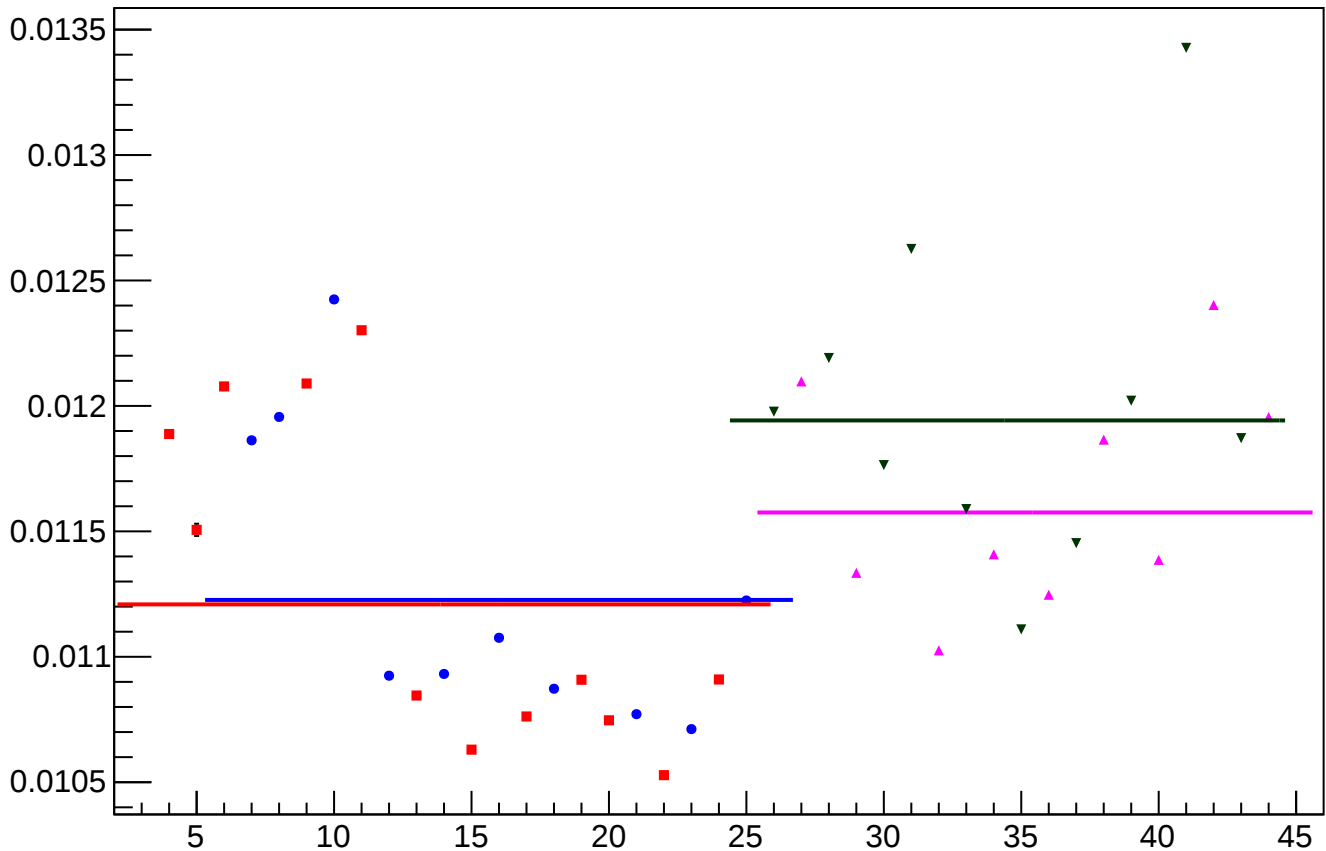
Right Out: -1.799+/-0.000 χ^2/NDF : 930787190.3/11

Left In: -1.667+/-0.000 χ^2/NDF : 344212253.5/8

-1.718+/-0.000 χ^2/NDF : 1867774021.8/19

-1.739+/-0.000 χ^2/NDF : 1669927282.1/20

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 : 25348.0/9

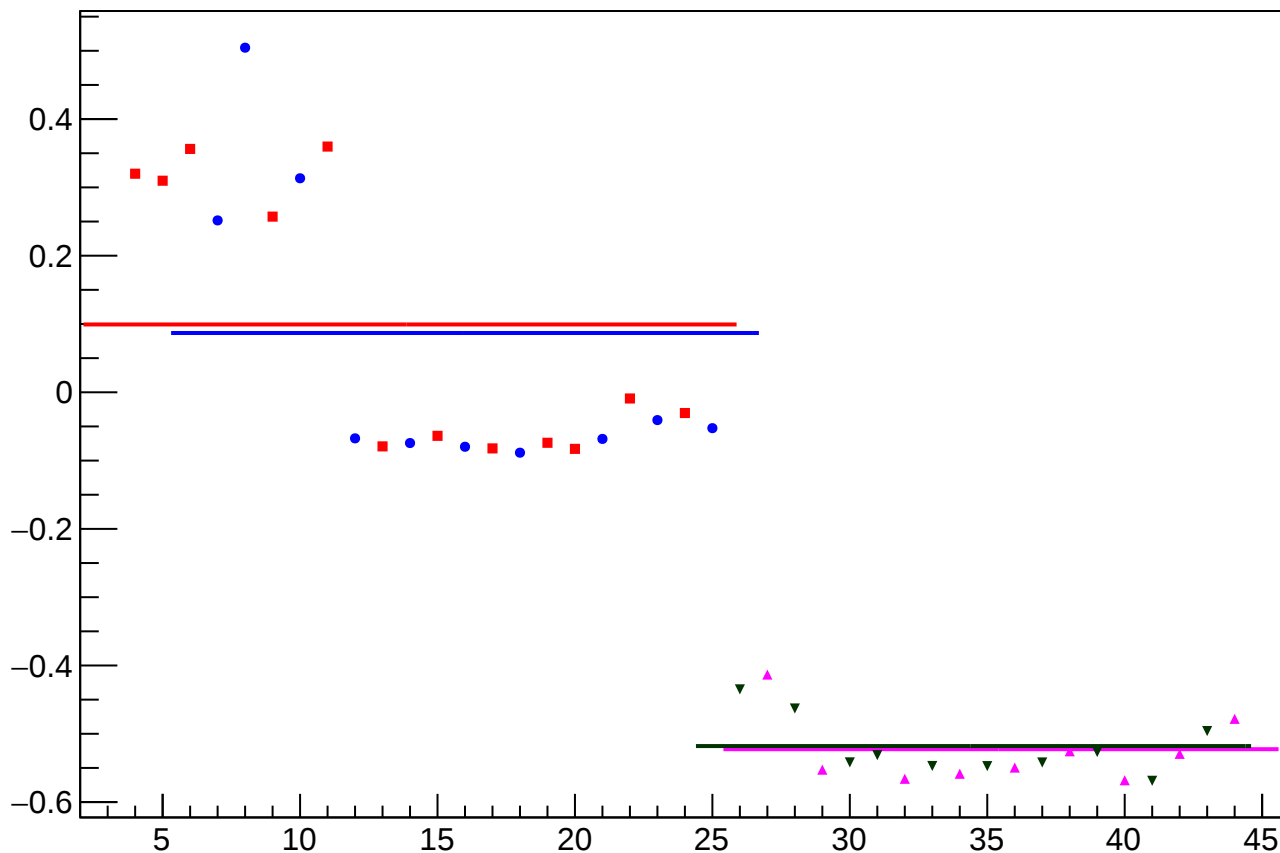
Right Out: 0.011+/-0.000 χ^2/NDF : 41113.0/11

Left In: 0.012+/-0.000 χ^2/NDF : 15888.6/8

0.012+/-0.000 χ^2/NDF : 79278.2/19

0.011+/-0.000 χ^2/NDF : 63092.4/20

yield_bpm0l04Y_mean vs slug



Right In: 0.087+/-0.000 χ^2/NDF : 6587794227.2/9

Left Out: -0.518+/-0.000 χ^2/NDF :131878439.0/9

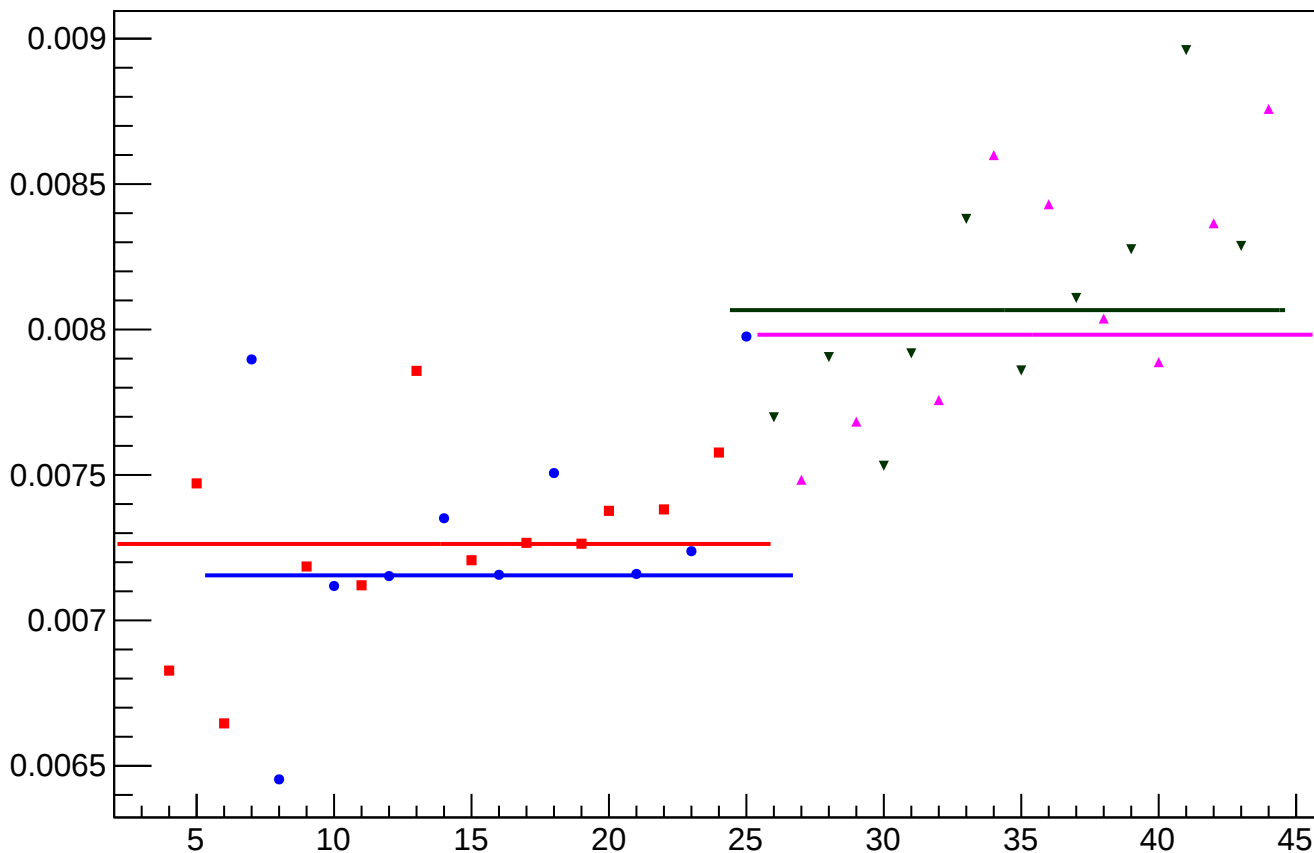
Right Out: 0.099+/-0.000 χ^2/NDF : 4238157293.7/11

Left In: -0.523+/-0.000 χ^2/NDF :258155612.5/8

-0.150+/-0.000 χ^2/NDF : 24276194844.1/19

-0.166+/-0.000 χ^2/NDF : 23634495970.2/20

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 :23022.1/9

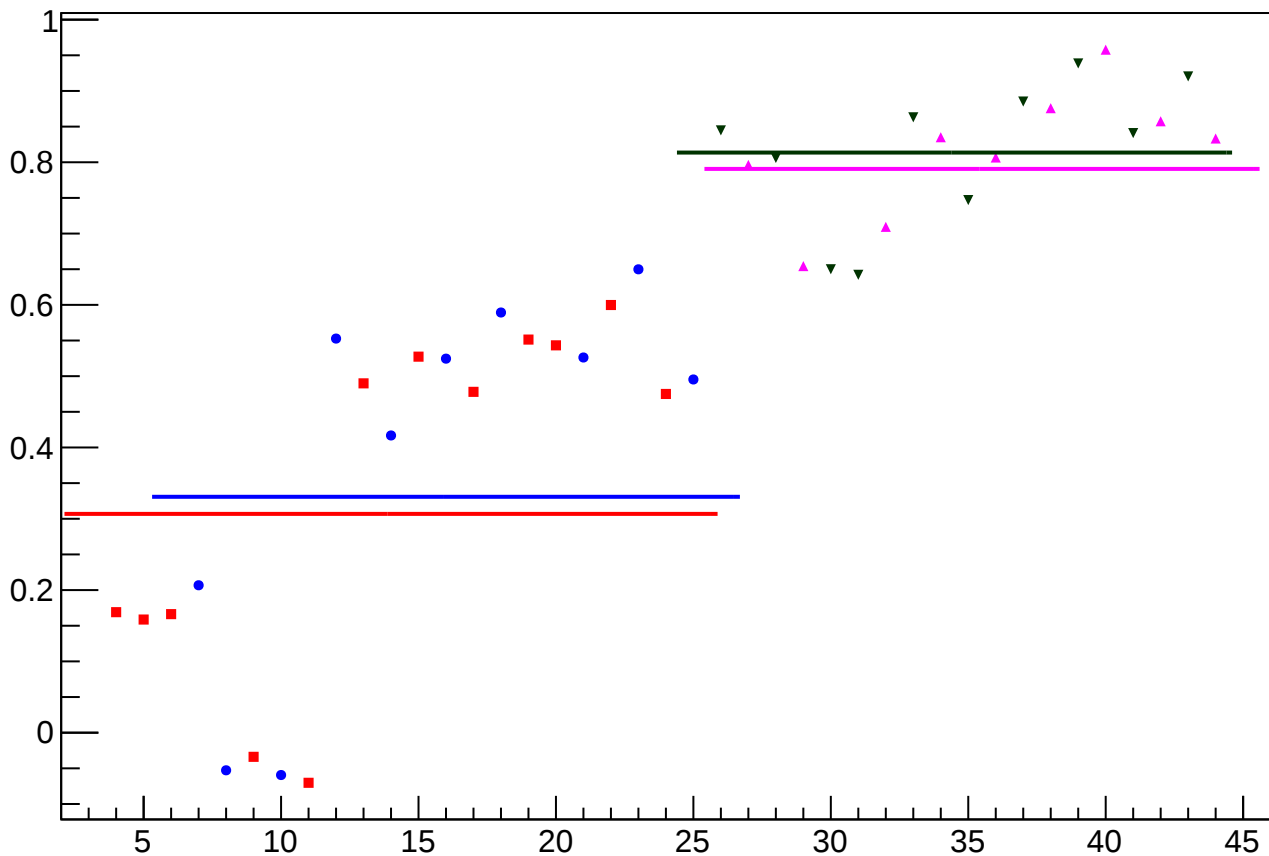
Right Out: 0.007+/-0.000 χ^2/NDF : 25457.6/11

Left In: 0.008+/-0.000 χ^2/NDF :29355.6/8

0.008+/-0.000 χ^2/NDF : 137844.7/19

0.008+/-0.000 χ^2/NDF : 106024.2/20

yield_bpm0l05X_mean vs slug



Right In: 0.331+/-0.000 χ^2/NDF : 10288533334.9/9

Left Out: 0.814+/-0.000 χ^2/NDF : 993349923.9/9

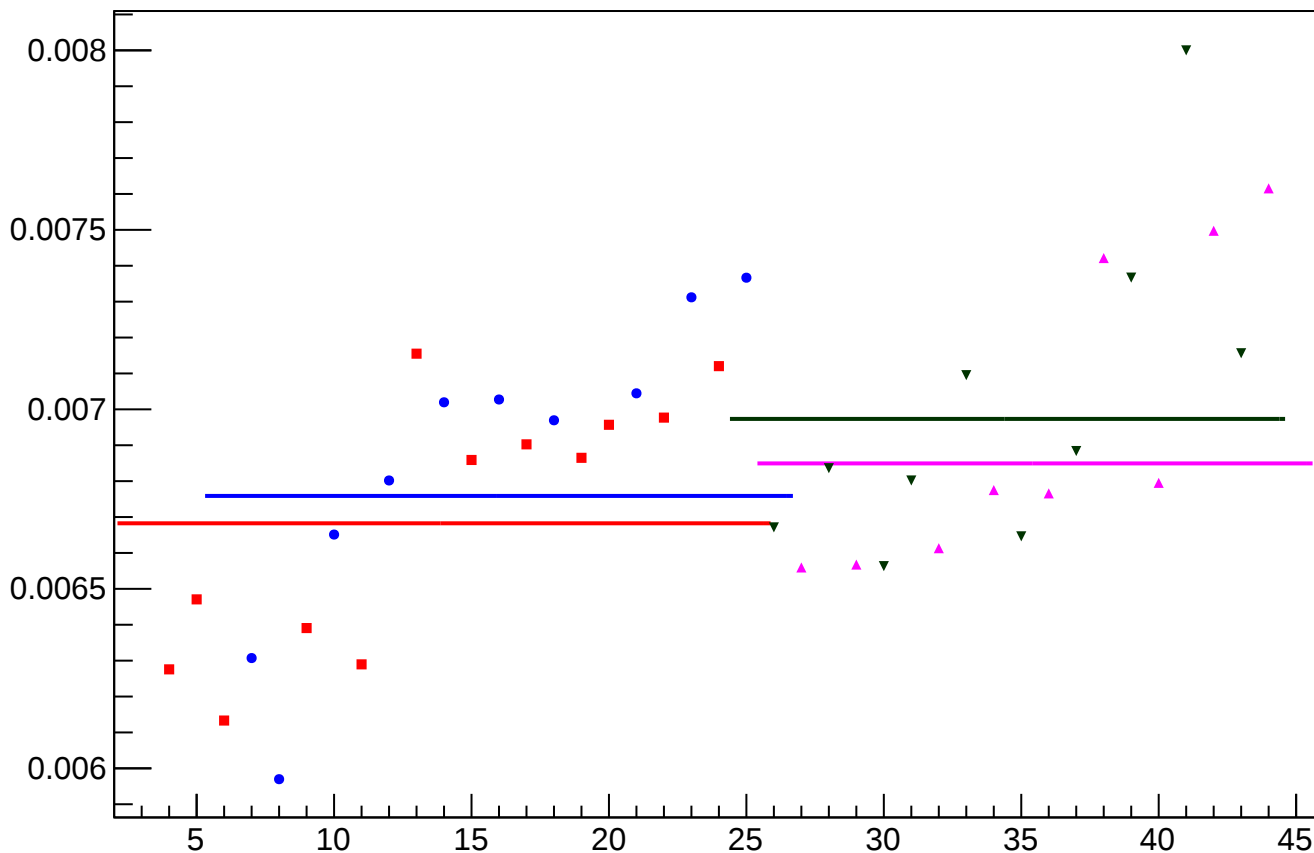
0.542+/-0.000 χ^2/NDF : 25353882323.3/19

Right Out: 0.307+/-0.000 χ^2/NDF : 8592627222.1/11

0.529+/-0.000 χ^2/NDF : 24464482887.9/20

Left In: 0.791+/-0.000 χ^2/NDF : 932399689.3/8

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 : 32912.7/9

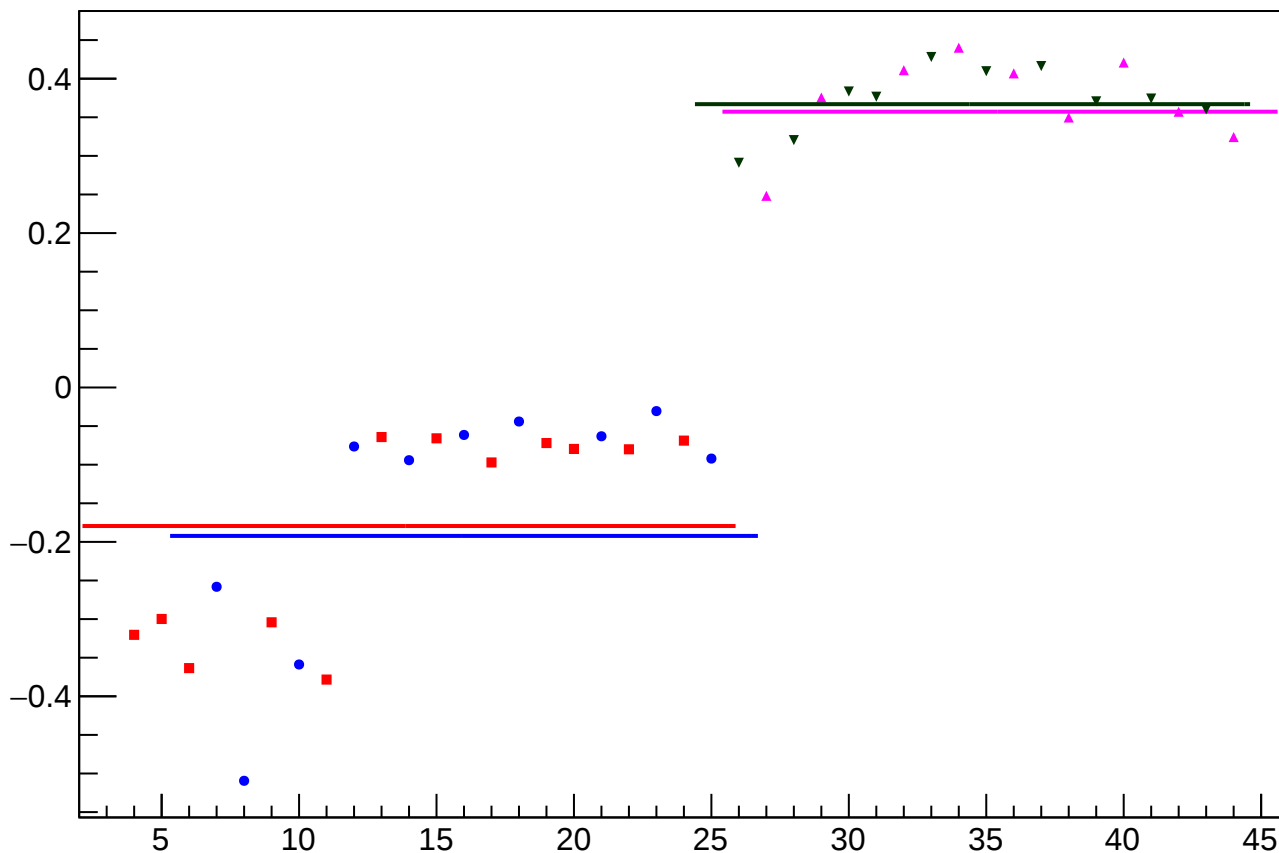
Right Out: 0.007 ± 0.000 χ^2/NDF : 37923.0/11

Left In: 0.007 ± 0.000 χ^2/NDF : 33164.0/8

0.007 ± 0.000 χ^2/NDF : 89569.7/19

0.007 ± 0.000 χ^2/NDF : 74639.9/20

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 : 258003359.9/9

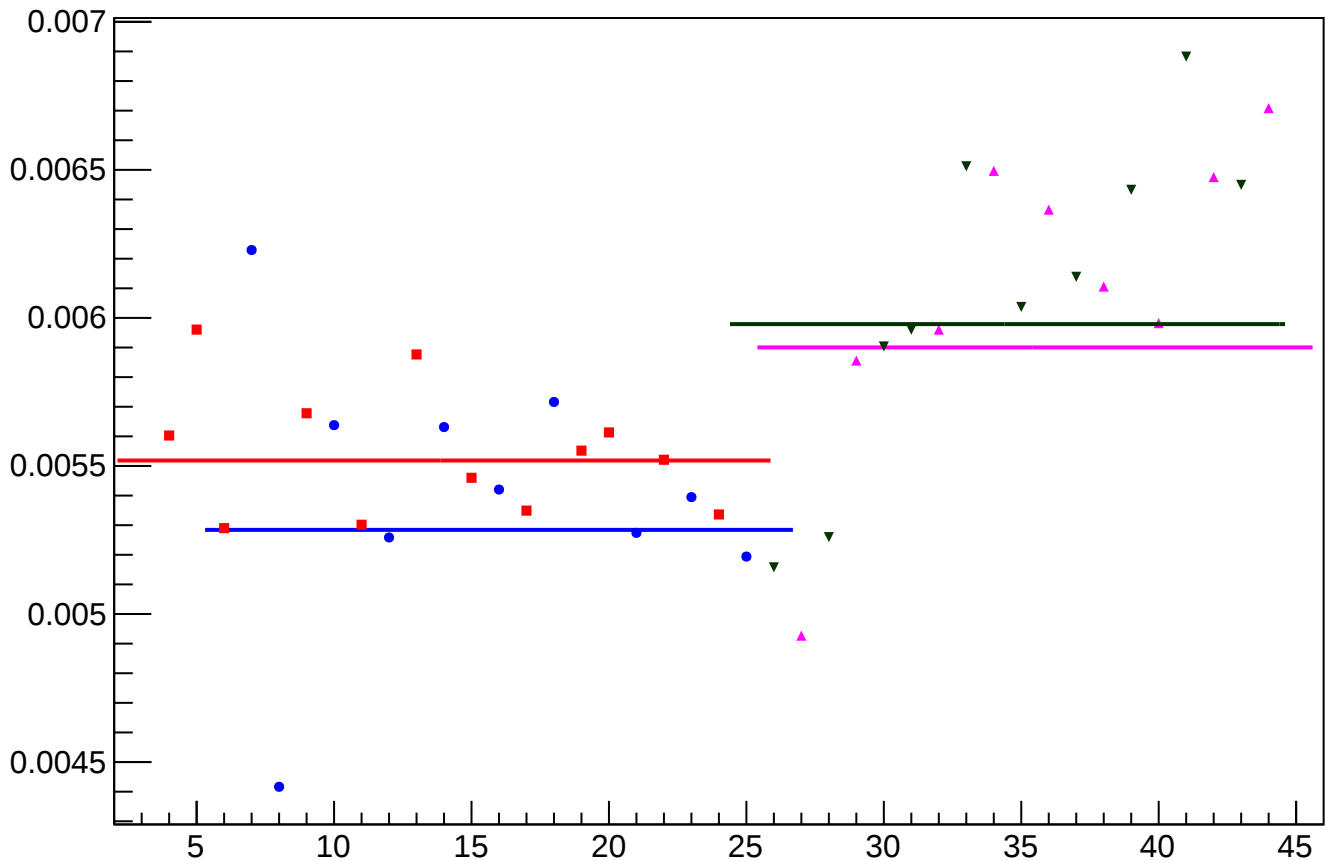
Right Out: -0.179+/-0.000 χ^2/NDF : 3508774818.6/11

Left In: 0.357+/-0.000 χ^2/NDF : 650314960.7/8

0.025+/-0.000 χ^2/NDF : 34765738602.8/19

0.056+/-0.000 χ^2/NDF : 29318238520.9/20

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 : 84407.0/9

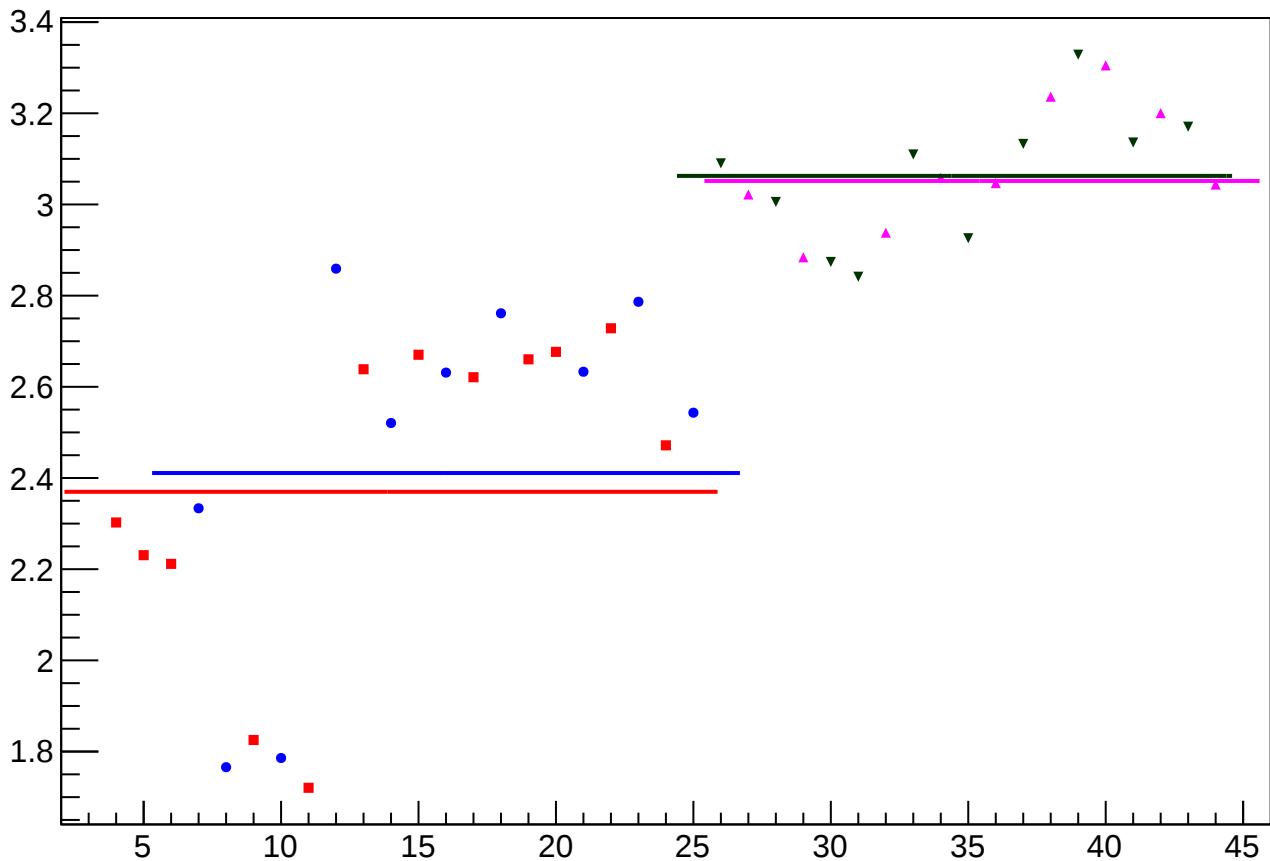
Right Out: 0.006+/-0.000 χ^2/NDF : 15882.5/11

Left In: 0.006+/-0.000 χ^2/NDF : 101099.8/8

0.006+/-0.000 χ^2/NDF : 269059.8/19

0.006+/-0.000 χ^2/NDF : 142479.9/20

yield_bpm0l06X_mean vs slug



Right In: 2.411+/-0.000 χ^2/NDF : 8288488350.8/9

Left Out: 3.063+/-0.000 χ^2/NDF : 1107067165.5/9

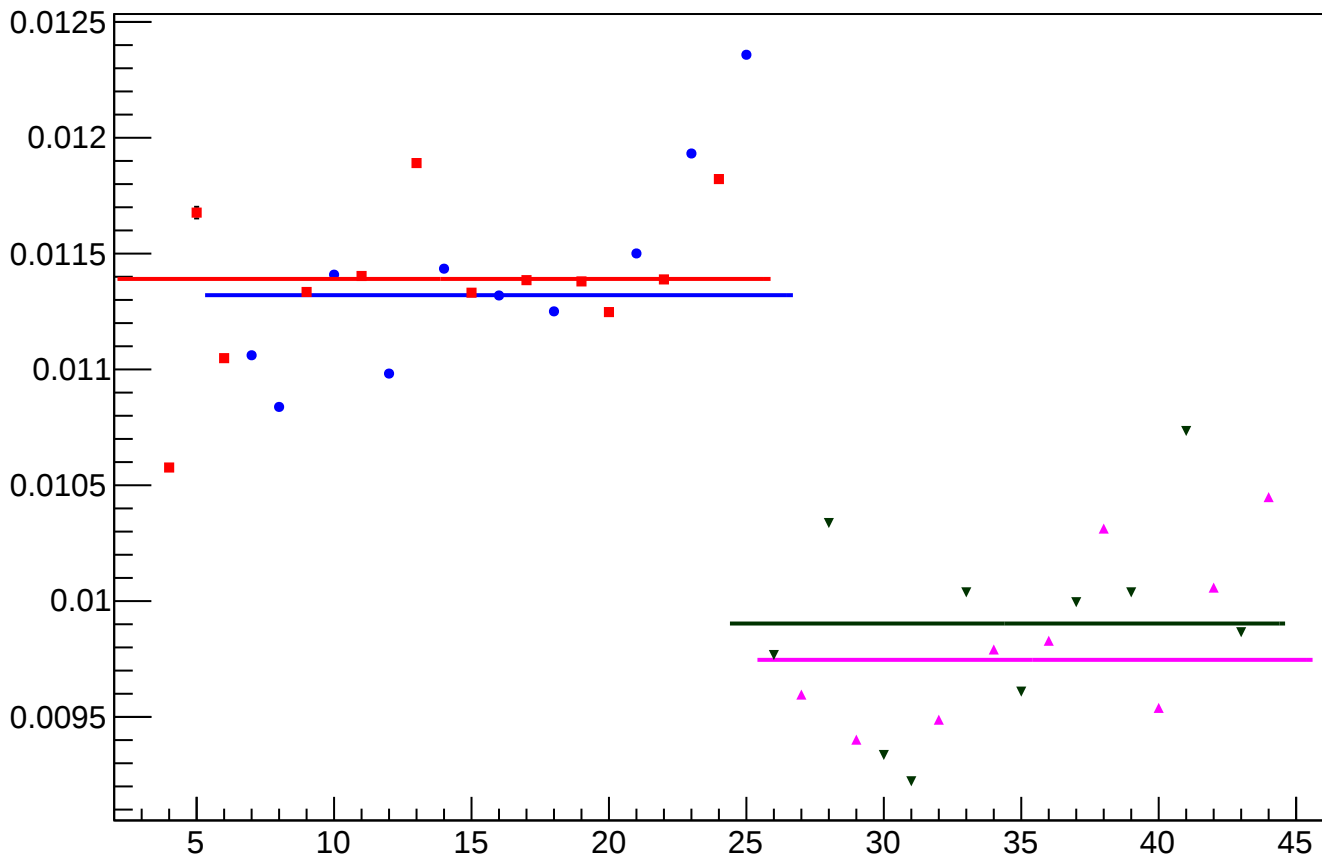
2.750+/-0.000 χ^2/NDF : 20309216782.4/19

Right Out: 2.370+/-0.000 χ^2/NDF : 6148614256.2/11

2.745+/-0.000 χ^2/NDF : 19368331346.9/20

Left In: 3.052+/-0.000 χ^2/NDF : 1015989993.5/8

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 :18813.8/9

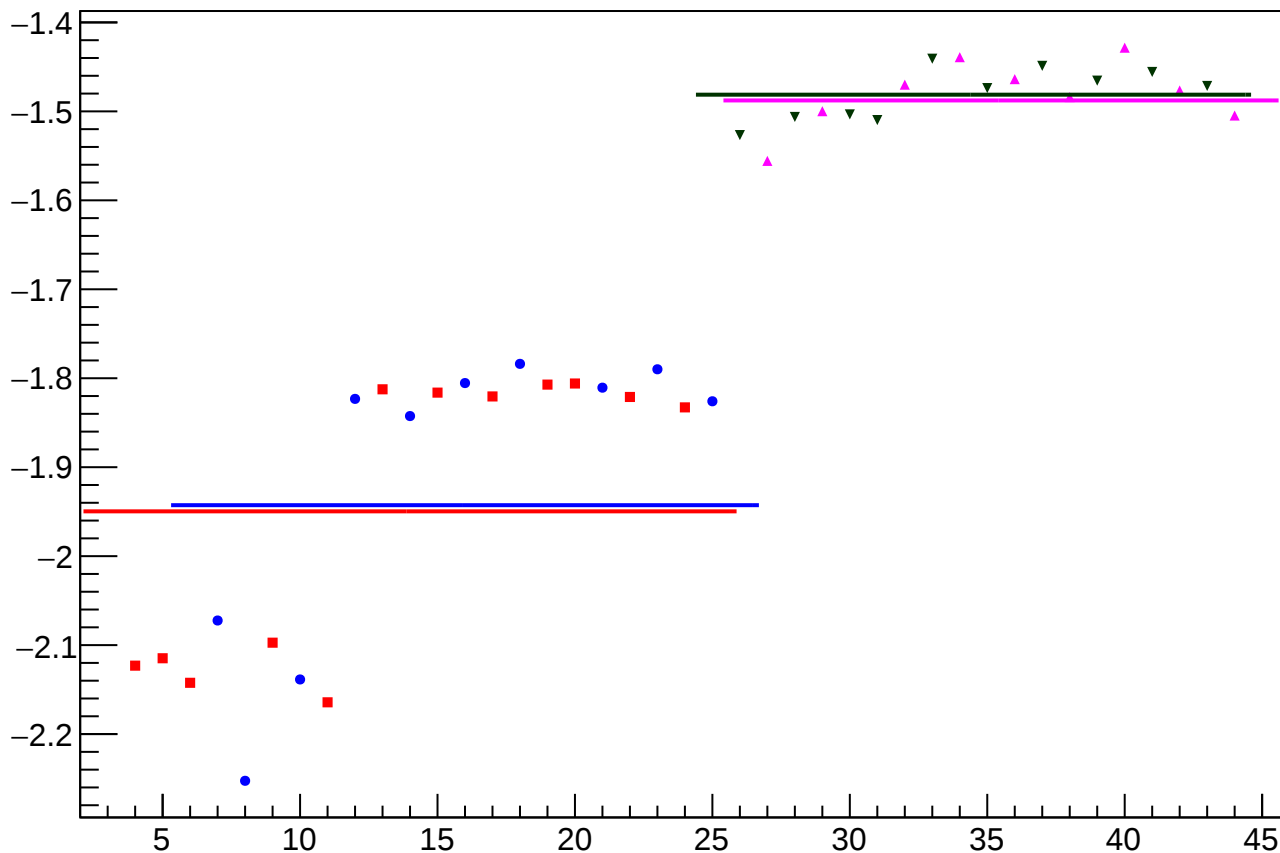
Right Out: 0.011+/-0.000 χ^2/NDF : 10496.6/11

Left In: 0.010+/-0.000 χ^2/NDF :13193.9/8

0.011+/-0.000 χ^2/NDF : 133718.9/19

0.010+/-0.000 χ^2/NDF : 165650.4/20

yield_bpm0l06Y_mean vs slug



Right In: -1.943+/-0.000 χ^2/NDF : 9180562095.2/9

Left Out: -1.481+/-0.000 χ^2/NDF :133314200.9/9

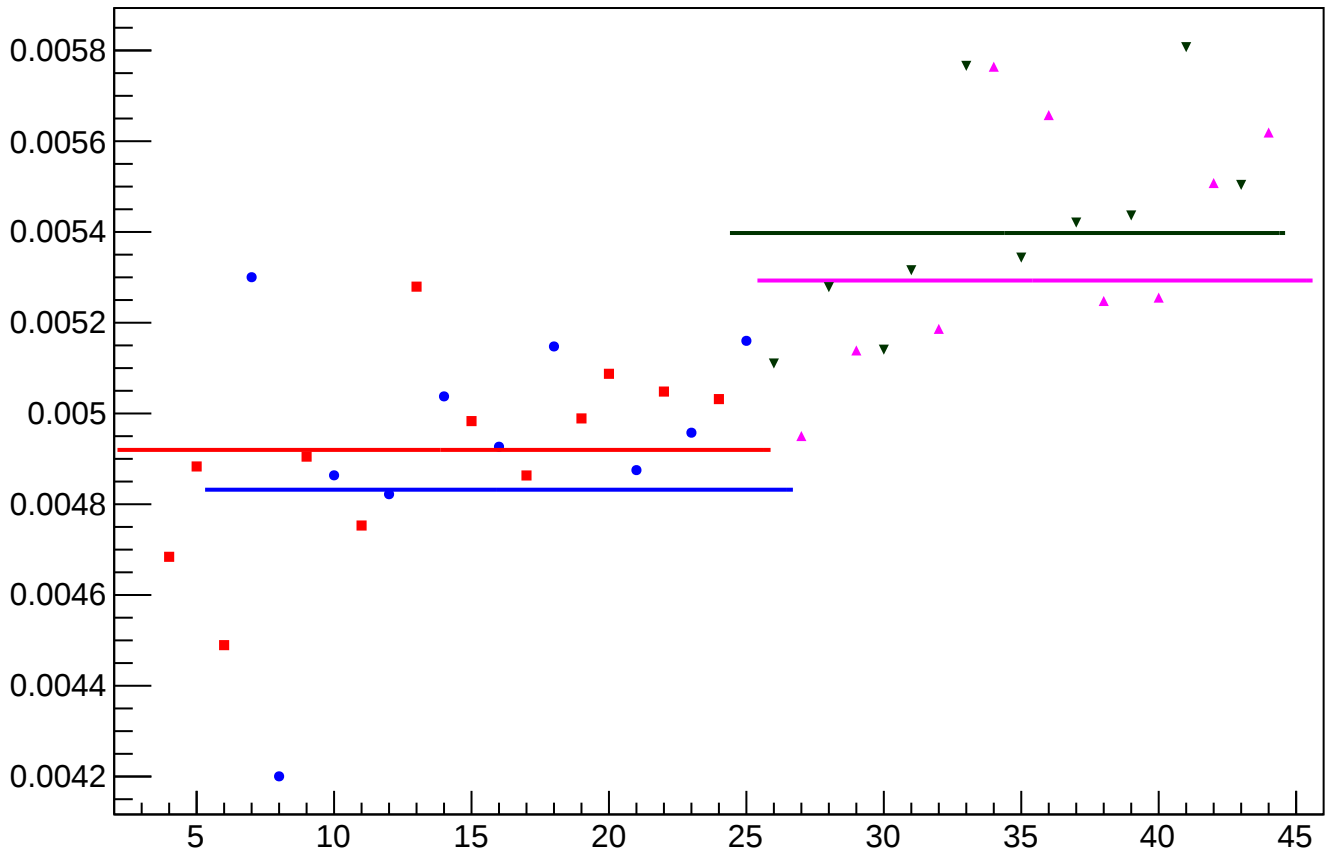
Right Out: -1.950+/-0.000 χ^2/NDF : 6176400274.4/11

Left In: -1.488+/-0.000 χ^2/NDF :281282296.5/8

-1.760+/-0.000 χ^2/NDF : 31972675813.2/19

-1.748+/-0.000 χ^2/NDF : 30067929937.4/20

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 :16600.8/9

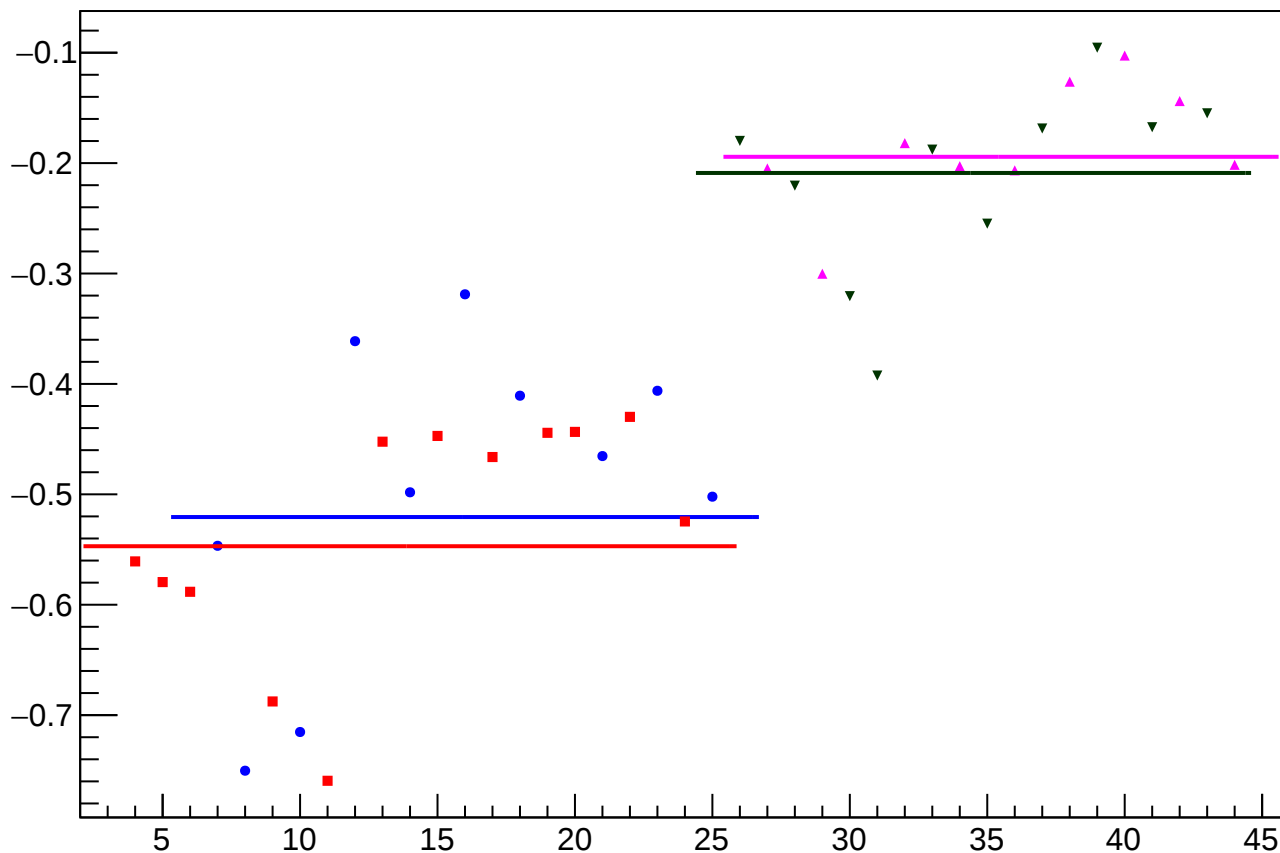
0.005+/-0.000 χ^2/NDF : 139938.5/19

Right Out: 0.005+/-0.000 χ^2/NDF : 23832.0/11

0.005+/-0.000 χ^2/NDF : 80447.8/20

Left In: 0.005+/-0.000 χ^2/NDF :25779.4/8

yield_bpm0l07X_mean vs slug



Right In: -0.521+/-0.000 χ^2/NDF : 473408207.3/9

Left Out: -0.209+/-0.000 χ^2/NDF : 145606796.2/9

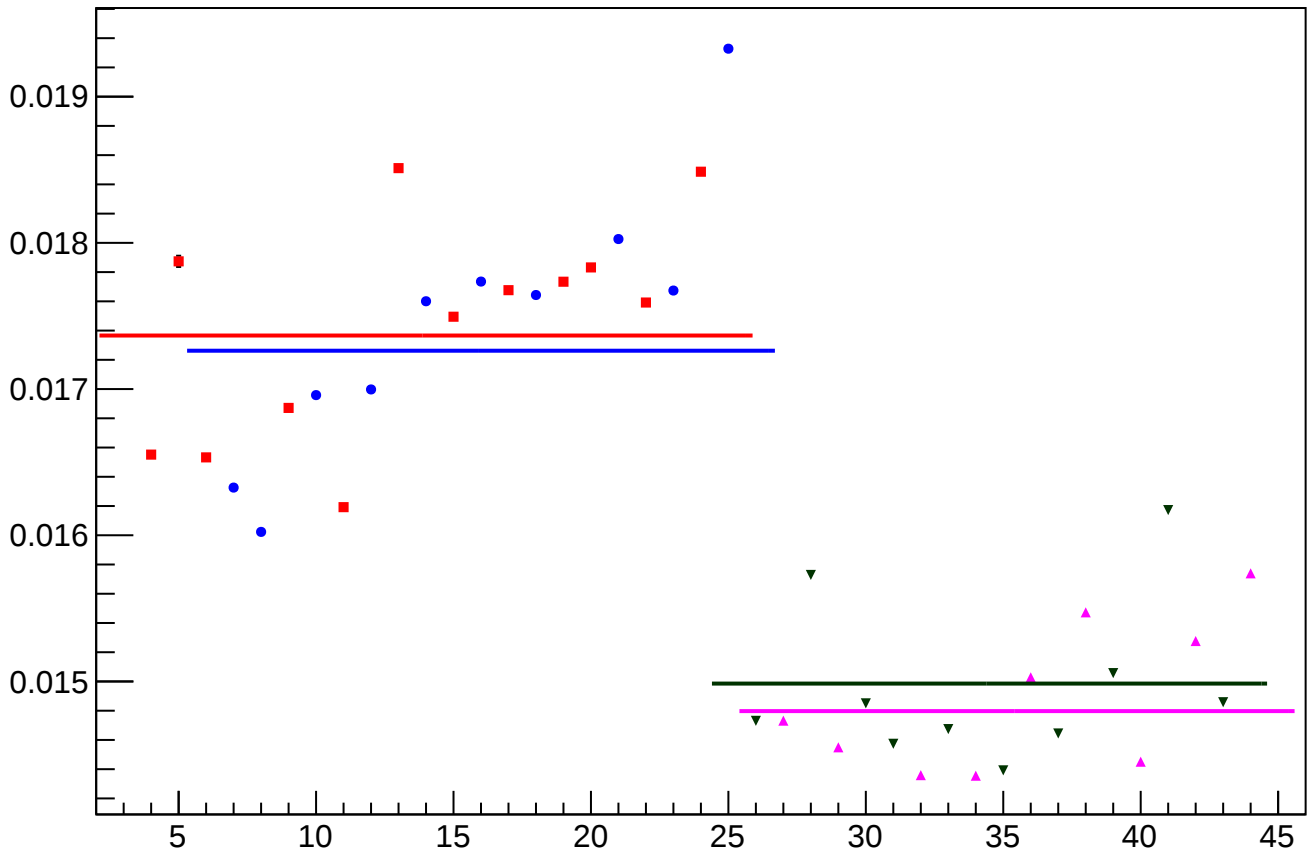
Right Out: -0.547+/-0.000 χ^2/NDF : 269735804.4/11

Left In: -0.194+/-0.000 χ^2/NDF : 81659796.5/8

-0.356+/-0.000 χ^2/NDF : 1706214366.8/19

-0.351+/-0.000 χ^2/NDF : 1761759597.4/20

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 :13214.2/9

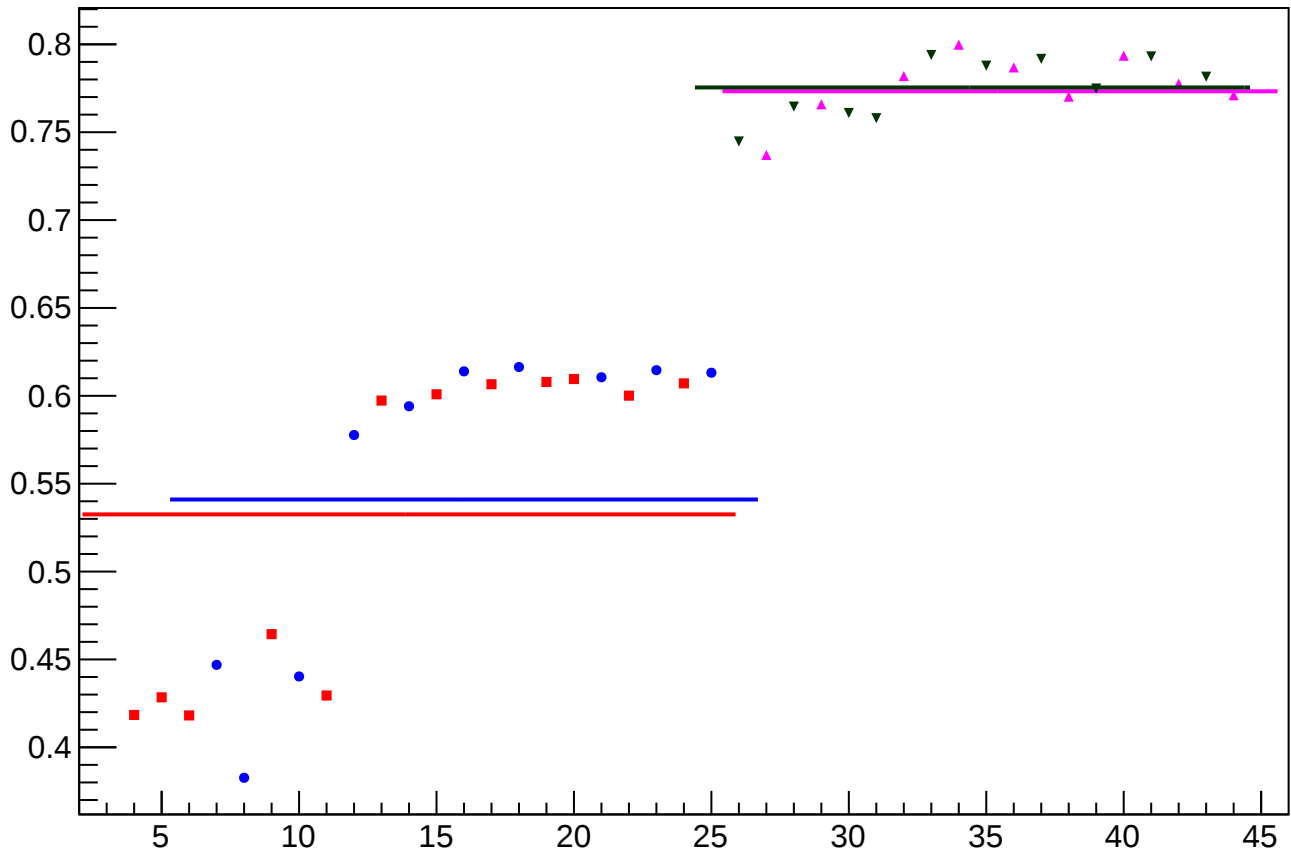
0.016+/-0.000 χ^2/NDF : 153395.6/19

Right Out: 0.017+/-0.000 χ^2/NDF : 25208.5/11

0.016+/-0.000 χ^2/NDF : 185390.5/20

Left In: 0.015+/-0.000 χ^2/NDF :10554.2/8

yield_bpm0l07Y_mean vs slug



Right In: 0.541 $\pm$ 0.000 χ^2 /NDF: 5869404533.9/9

Left Out: 0.775 $\pm$ 0.000 χ^2 /NDF:122038329.5/9

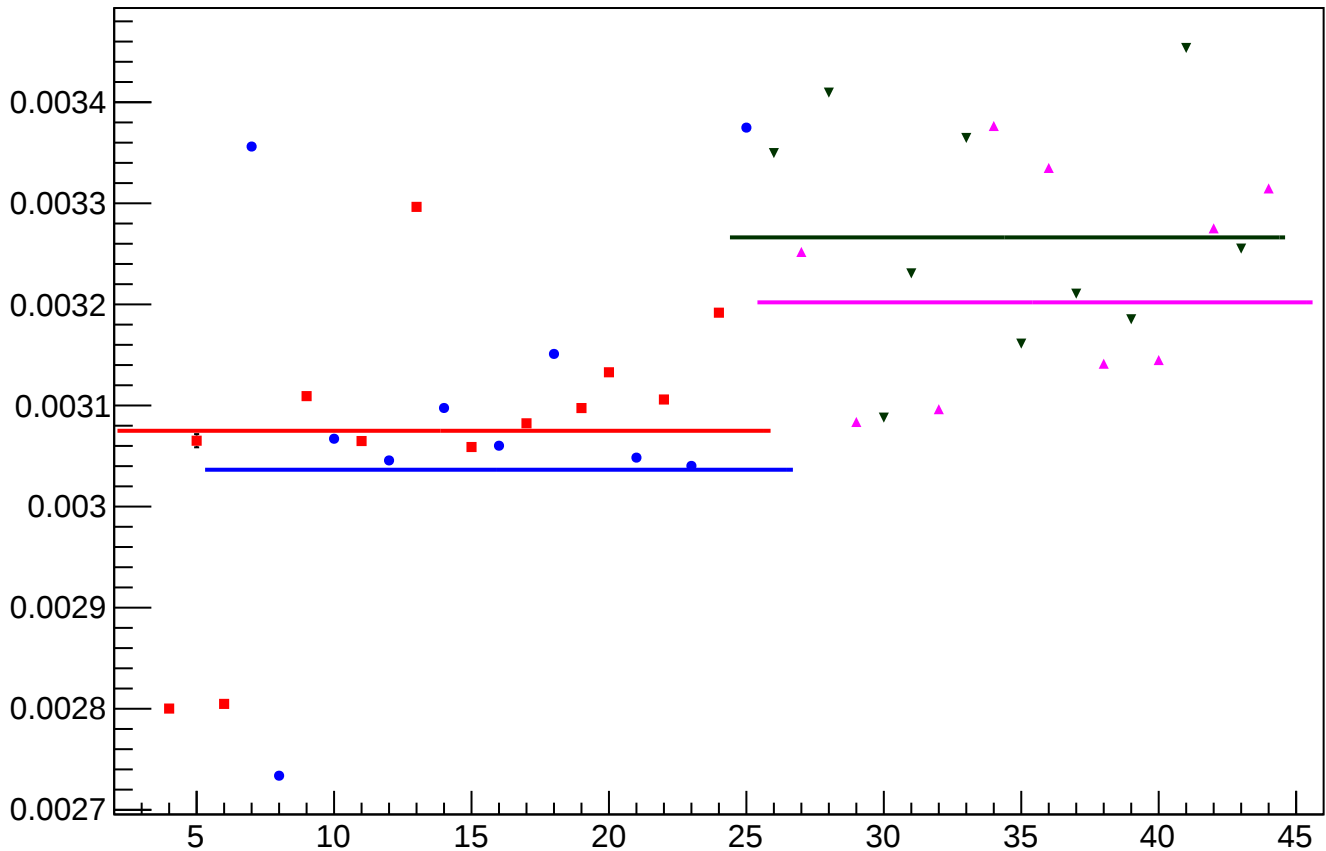
0.639 $\pm$ 0.000 χ^2 /NDF: 21569081624.4/19

Right Out: 0.533 $\pm$ 0.000 χ^2 /NDF: 4611310317.7/11

0.642 $\pm$ 0.000 χ^2 /NDF: 21883350009.8/20

Left In: 0.773 $\pm$ 0.000 χ^2 /NDF:173800769.3/8

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 :12873.3/9

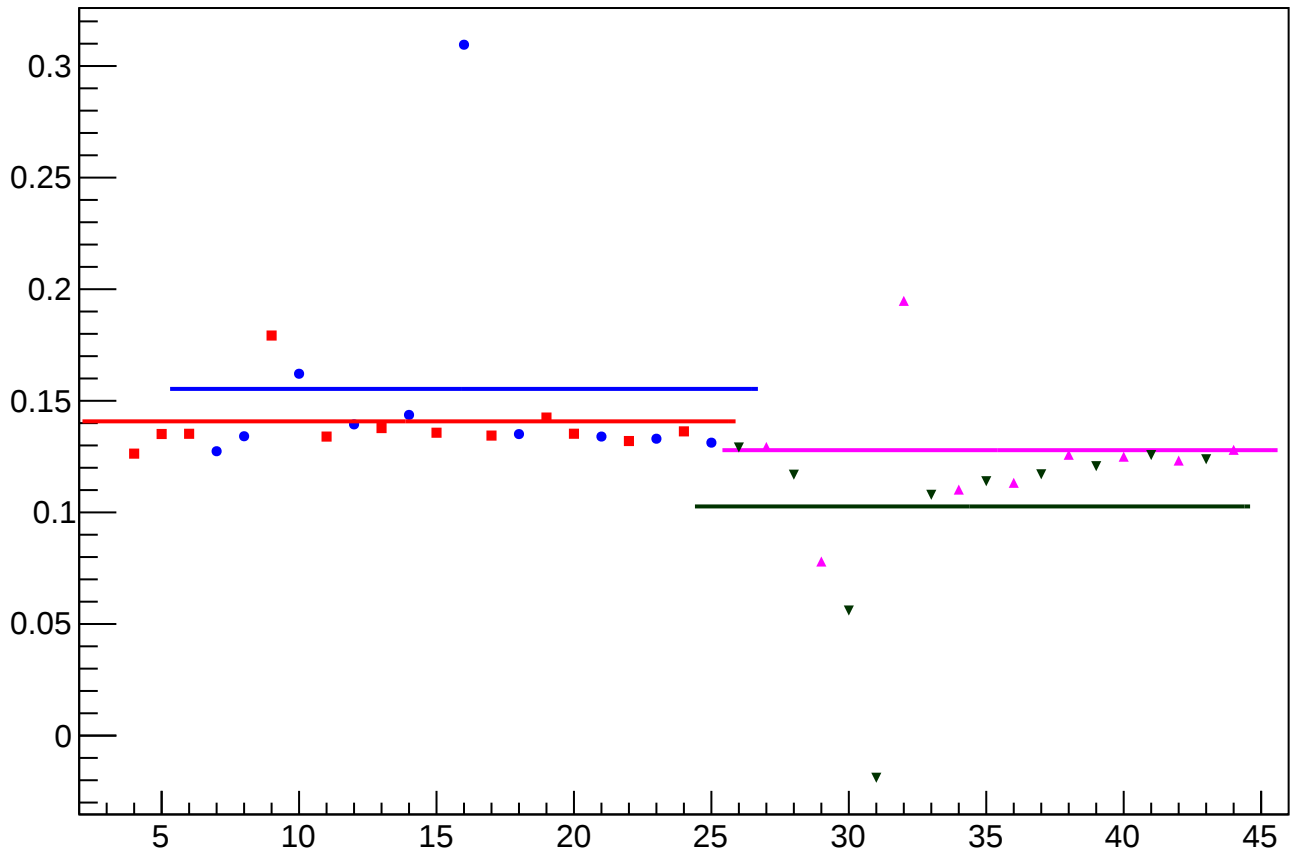
Right Out: 0.003+/-0.000 χ^2/NDF : 27152.3/11

Left In: 0.003+/-0.000 χ^2/NDF :11463.7/8

0.003+/-0.000 χ^2/NDF : 76682.1/19

0.003+/-0.000 χ^2/NDF : 48139.0/20

yield_bpm0l08X_mean vs slug



Right In: 0.155+/-0.000 χ^2/NDF : 60529861.8/9

Left Out: 0.103+/-0.000 χ^2/NDF : 42575286.2/9

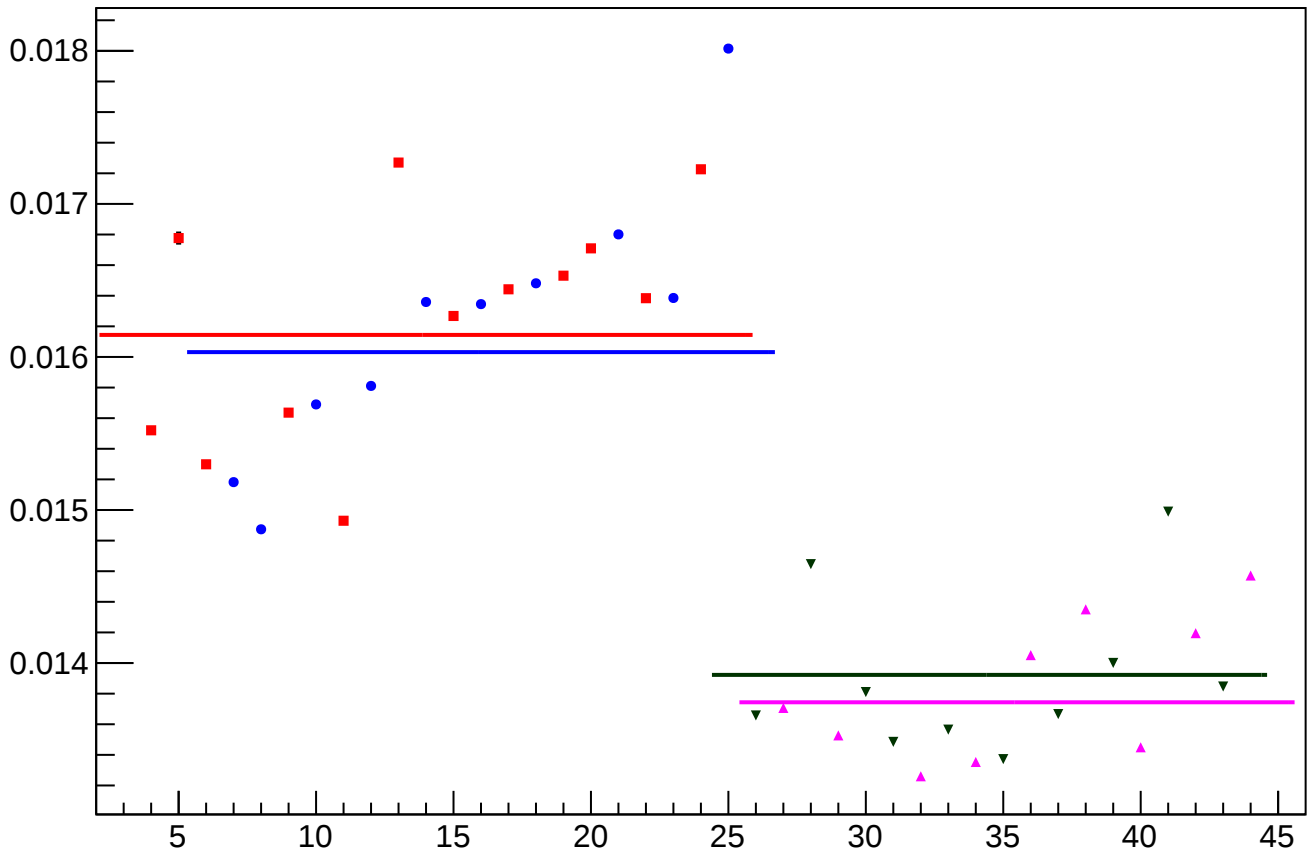
Right Out: 0.141+/-0.000 χ^2/NDF : 5462429.5/11

Left In: 0.128+/-0.000 χ^2/NDF : 35319224.9/8

0.127+/-0.000 χ^2/NDF : 139035121.0/19

0.134+/-0.000 χ^2/NDF : 42963769.6/20

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 :13410.6/9

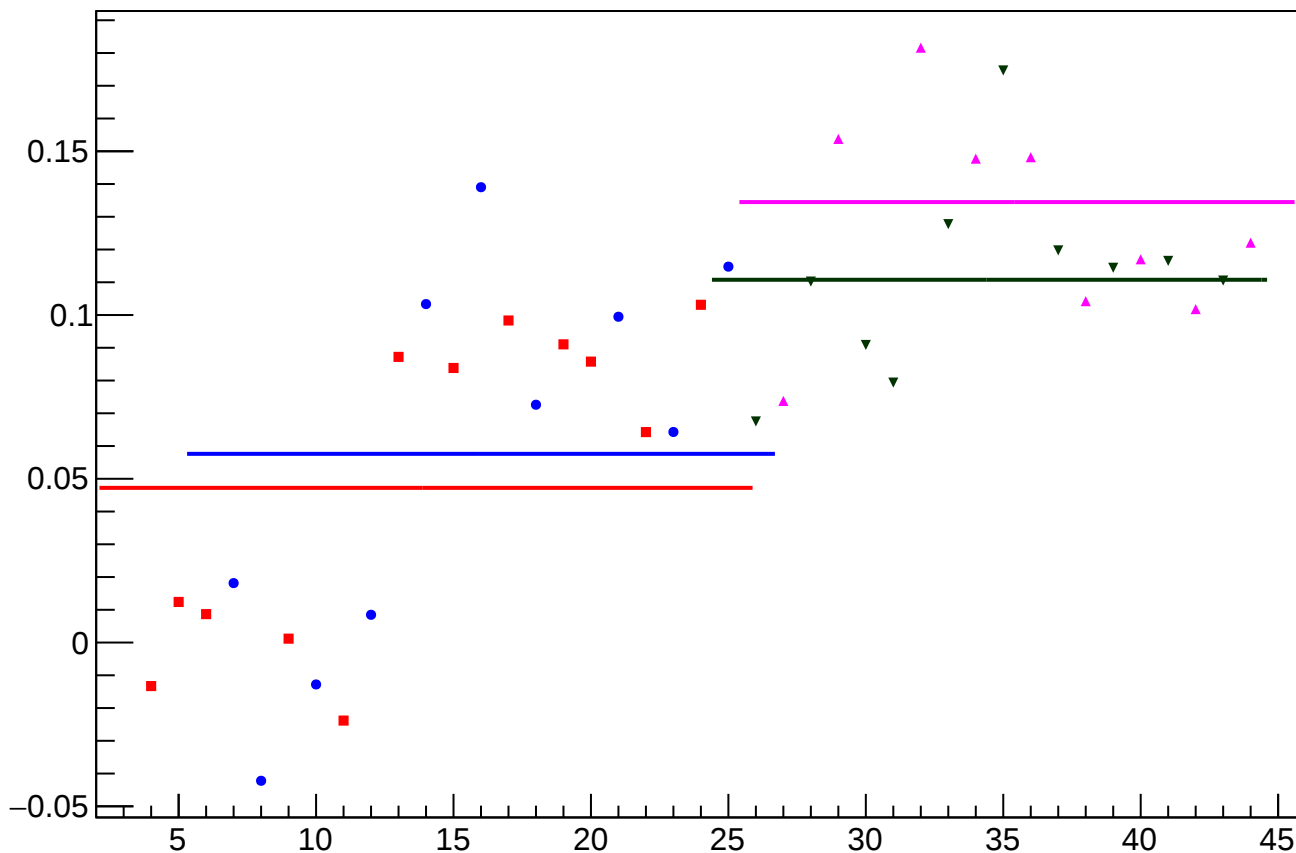
0.015+/-0.000 χ^2/NDF : 153768.5/19

Right Out: 0.016+/-0.000 χ^2/NDF : 28739.5/11

0.015+/-0.000 χ^2/NDF : 190371.1/20

Left In: 0.014+/-0.000 χ^2/NDF :10776.7/8

yield_bpm0l08Y_mean vs slug



Right In: 0.058 $\pm$ 0.000 χ^2 /NDF: 2106835310.3/9

Left Out: 0.111 $\pm$ 0.000 χ^2 /NDF: 325634113.5/9

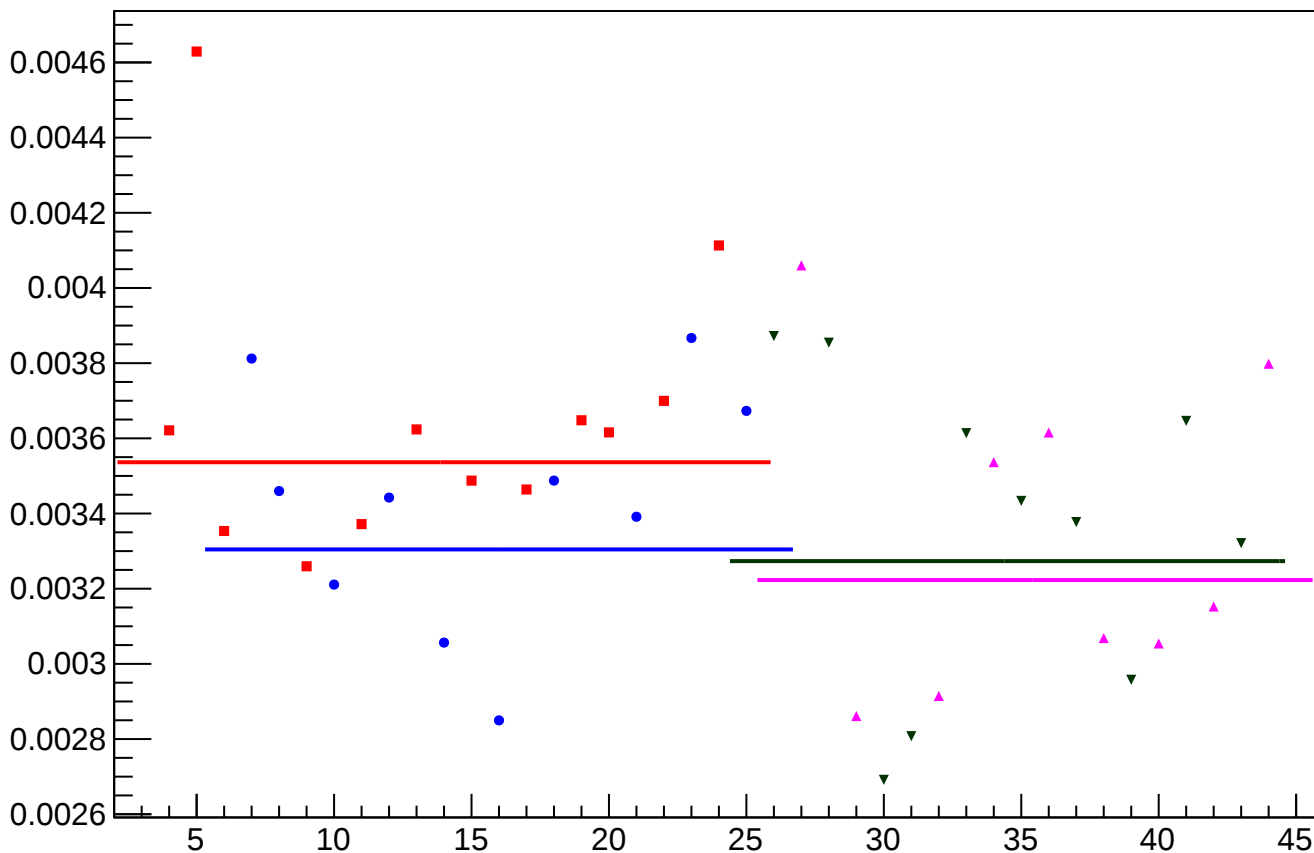
Right Out: 0.047 $\pm$ 0.000 χ^2 /NDF: 1076949152.4/11

Left In: 0.134 $\pm$ 0.000 χ^2 /NDF: 584141111.2/8

0.082 $\pm$ 0.000 χ^2 /NDF: 3152287471.1/19

0.093 $\pm$ 0.000 χ^2 /NDF: 3545253692.6/20

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 :157067.3/9

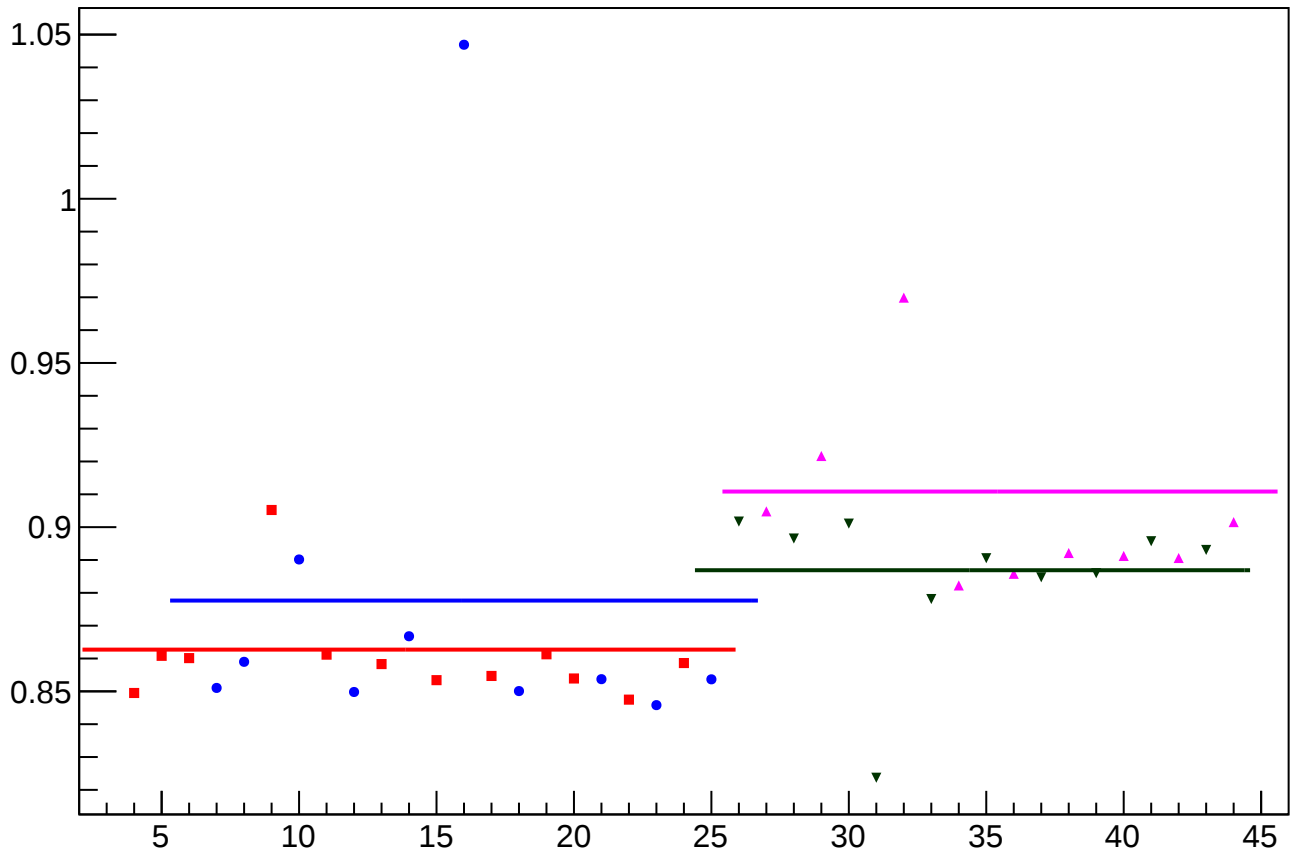
Right Out: 0.004+/-0.000 χ^2/NDF : 54073.0/11

Left In: 0.003+/-0.000 χ^2/NDF :163315.9/8

0.003+/-0.000 χ^2/NDF : 246462.8/19

0.003+/-0.000 χ^2/NDF : 265998.8/20

yield_bpm0l09X_mean vs slug



Right In: 0.878+/-0.000 χ^2/NDF : 78564555.7/9

Left Out: 0.887+/-0.000 χ^2/NDF : 10371268.3/9

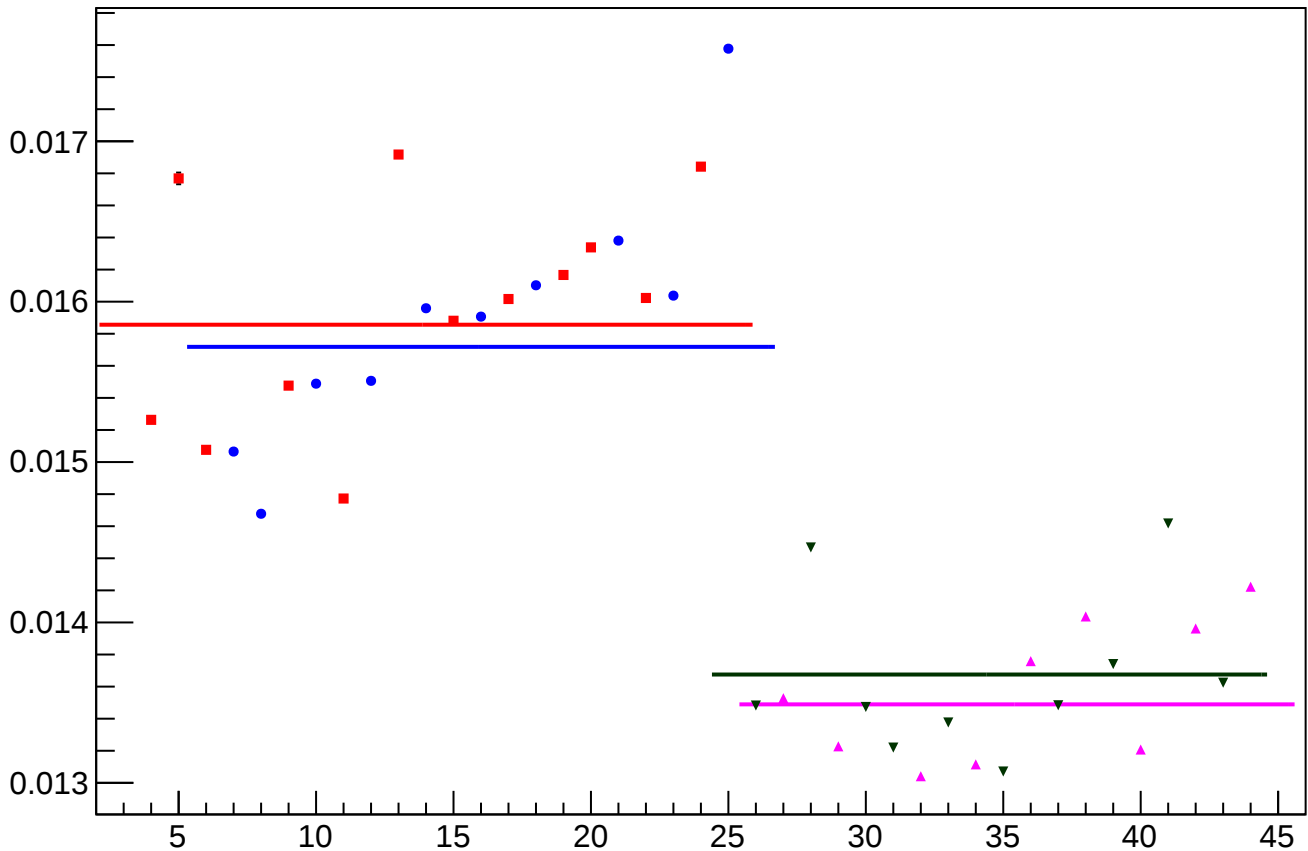
Right Out: 0.863+/-0.000 χ^2/NDF : 6919011.1/11

Left In: 0.911+/-0.000 χ^2/NDF : 26013449.3/8

0.883+/-0.000 χ^2/NDF : 90083616.8/19

0.890+/-0.000 χ^2/NDF : 64357013.0/20

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 :13316.5/9

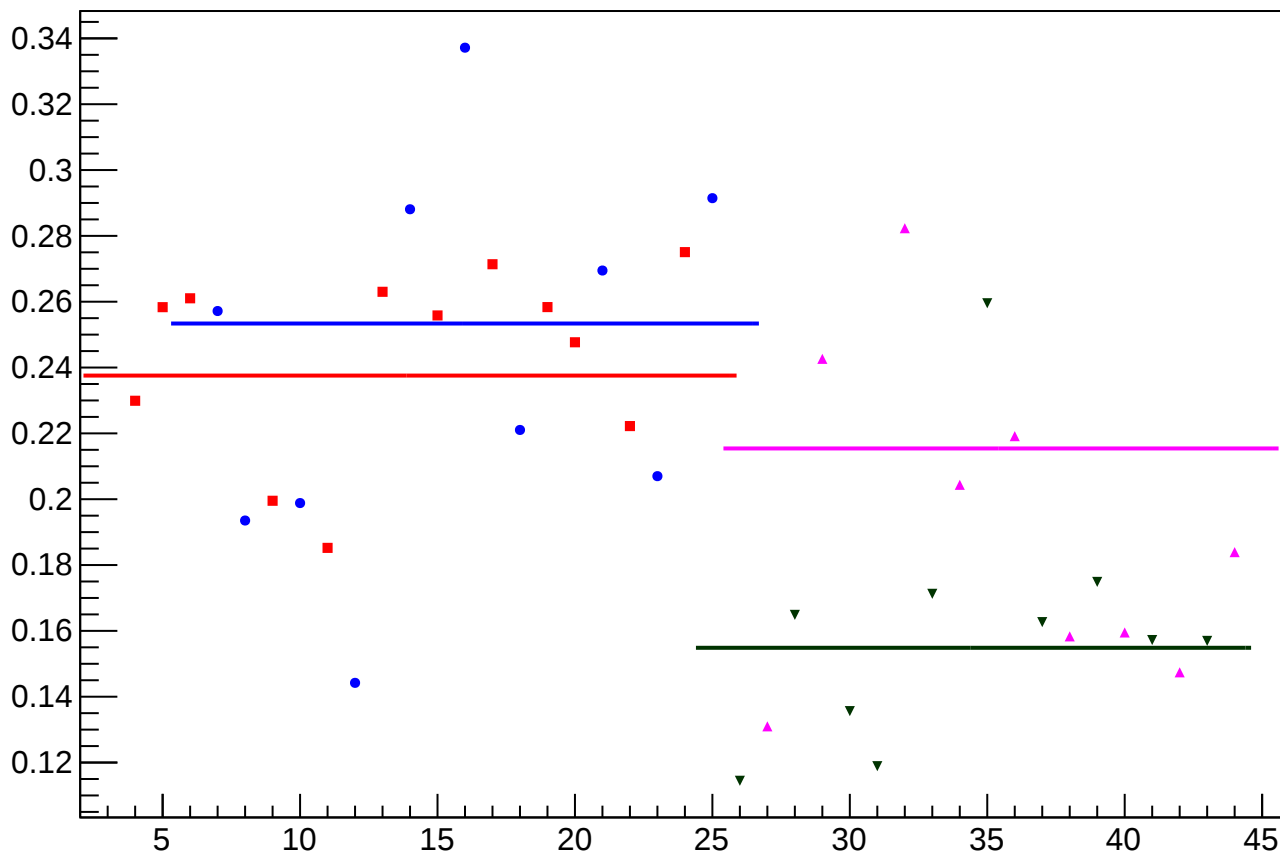
0.015+/-0.000 χ^2/NDF : 145660.4/19

Right Out: 0.016+/-0.000 χ^2/NDF : 24366.1/11

0.015+/-0.000 χ^2/NDF : 186238.7/20

Left In: 0.013+/-0.000 χ^2/NDF :9868.2/8

yield_bpm0l09Y_mean vs slug



Right In: 0.253+/-0.000 χ^2/NDF : 1609781231.1/9

Left Out: 0.155+/-0.000 χ^2/NDF : 491584814.3/9

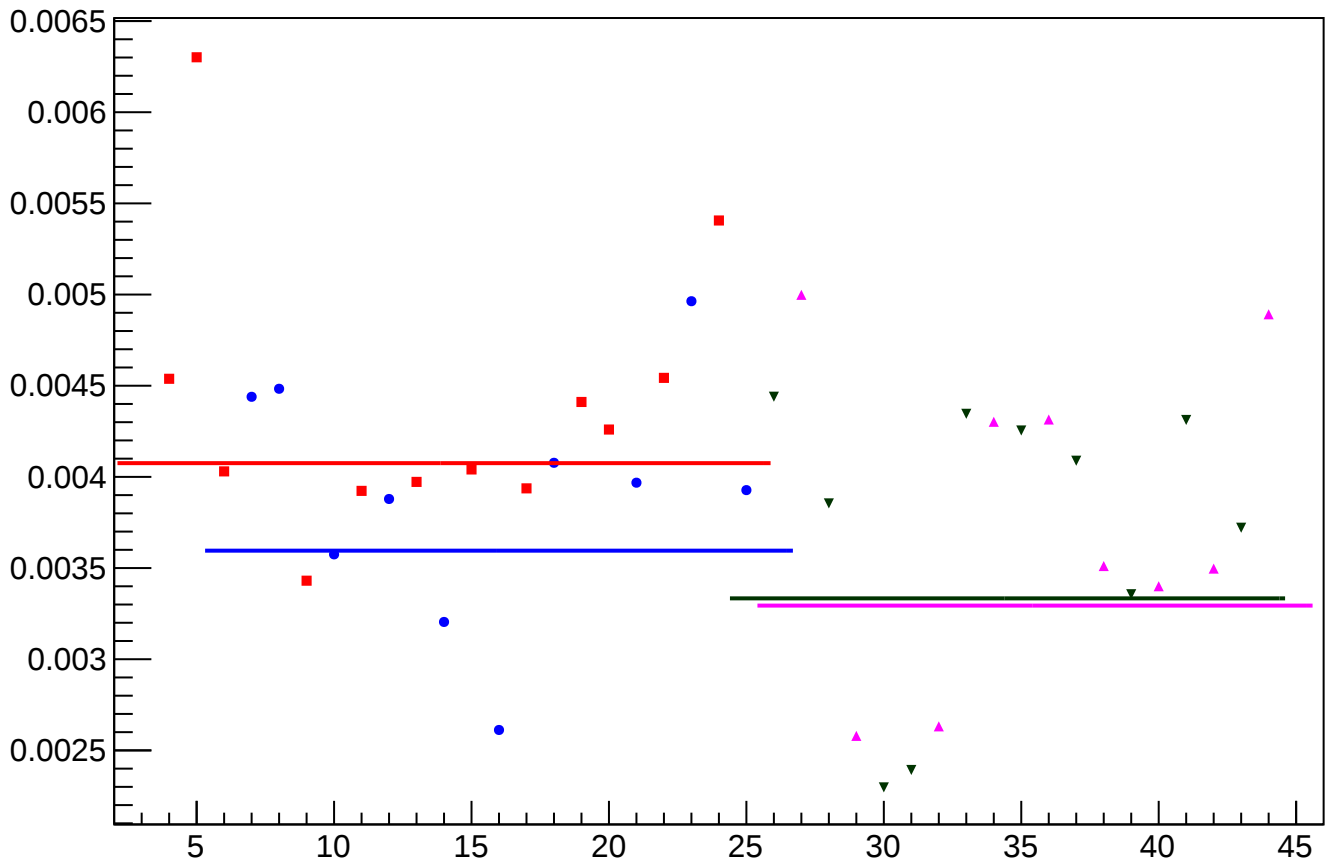
Right Out: 0.238+/-0.000 χ^2/NDF : 338609573.2/11

Left In: 0.215+/-0.000 χ^2/NDF : 1302153804.0/8

0.206+/-0.000 χ^2/NDF : 4210807807.5/19

0.225+/-0.000 χ^2/NDF : 1736812377.0/20

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 : 596508.1/9

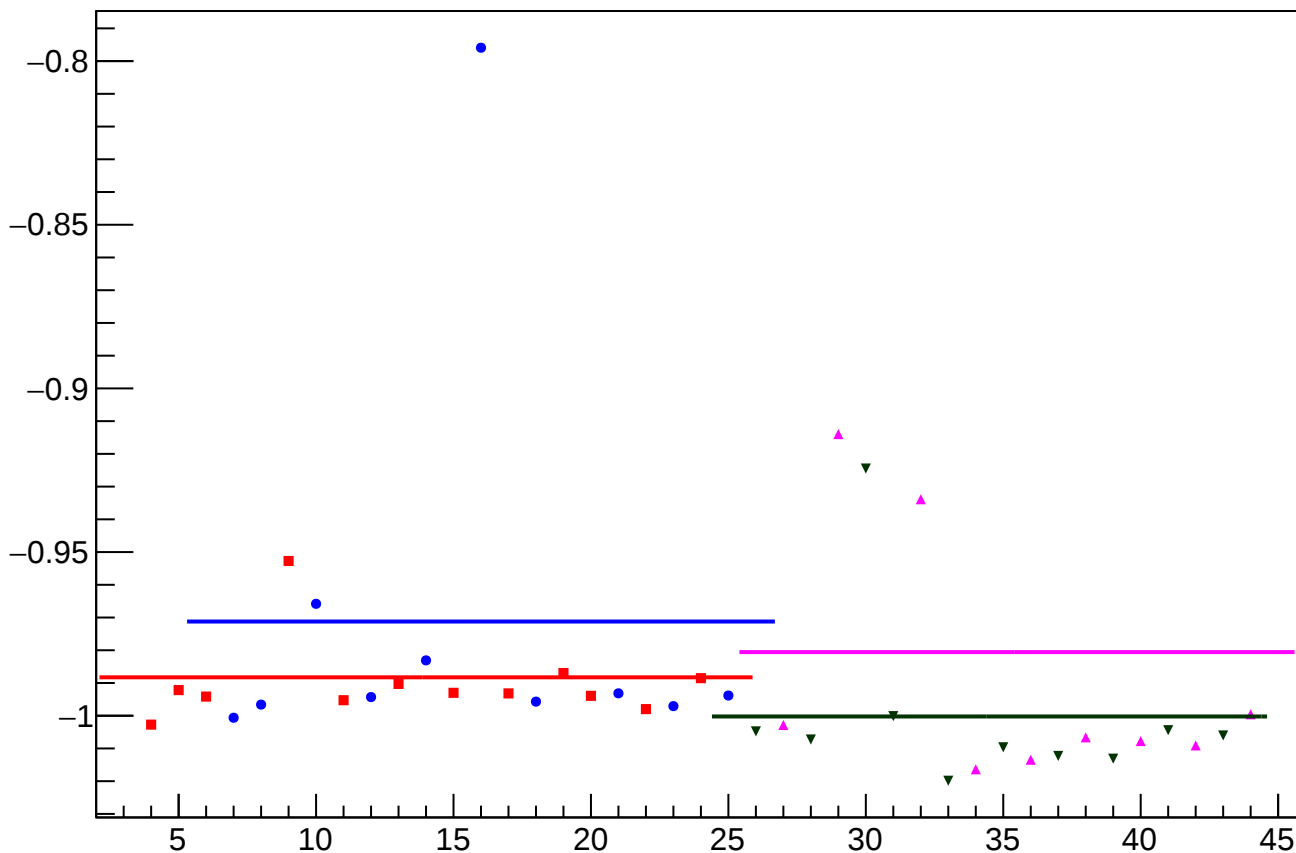
0.003+/-0.000 χ^2/NDF : 1017019.7/19

Right Out: 0.004+/-0.000 χ^2/NDF : 164404.0/11

0.004+/-0.000 χ^2/NDF : 1027944.5/20

Left In: 0.003+/-0.000 χ^2/NDF : 624356.7/8

yield_bpm0l10X_mean vs slug



Right In: -0.971+/-0.000 χ^2/NDF : 89914110.4/9

Left Out: -1.000+/-0.000 χ^2/NDF : 20984094.7/9

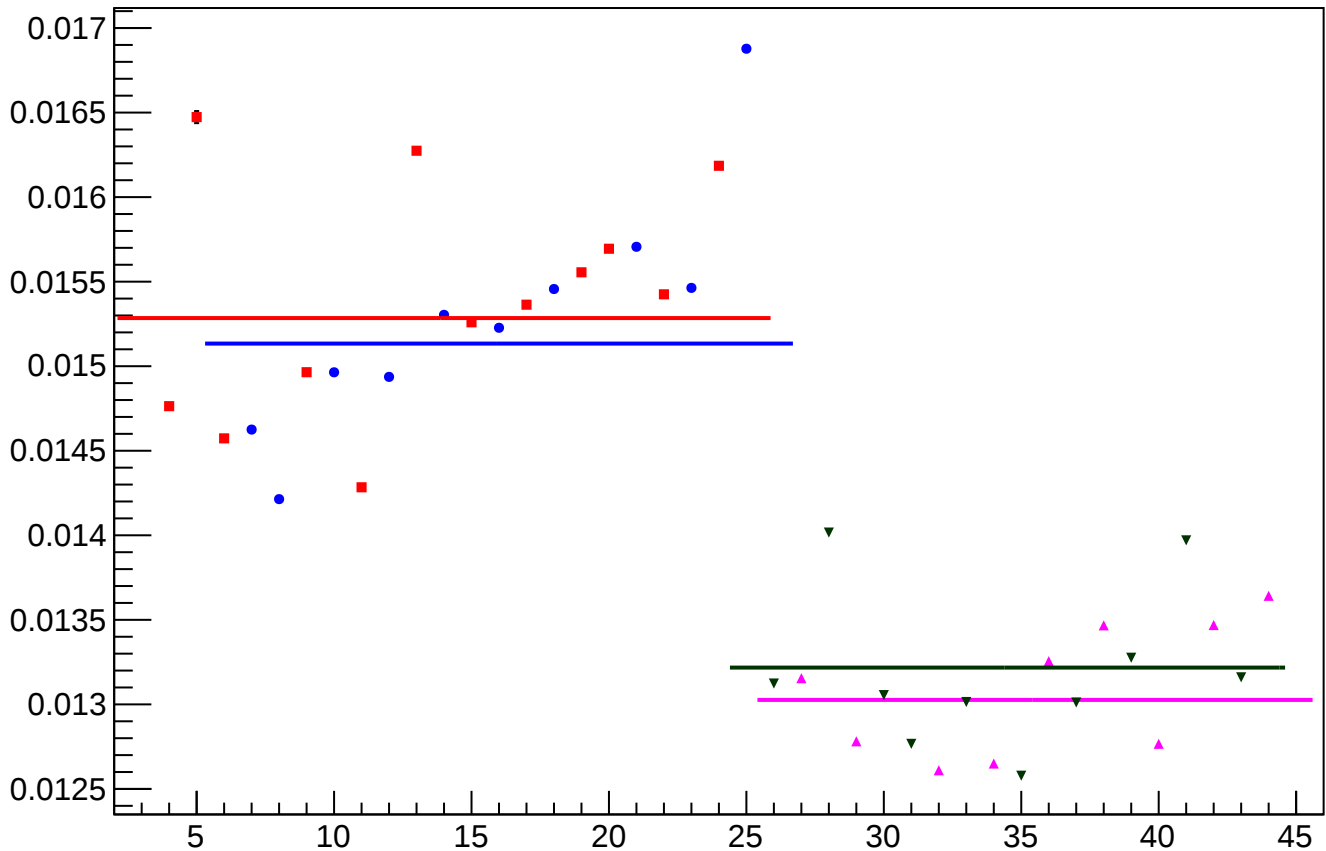
Right Out: -0.988+/-0.000 χ^2/NDF : 5195068.8/11

Left In: -0.981+/-0.000 χ^2/NDF : 51761164.5/8

-0.986+/-0.000 χ^2/NDF : 123041271.8/19

-0.984+/-0.000 χ^2/NDF : 57819891.2/20

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 :12265.8/9

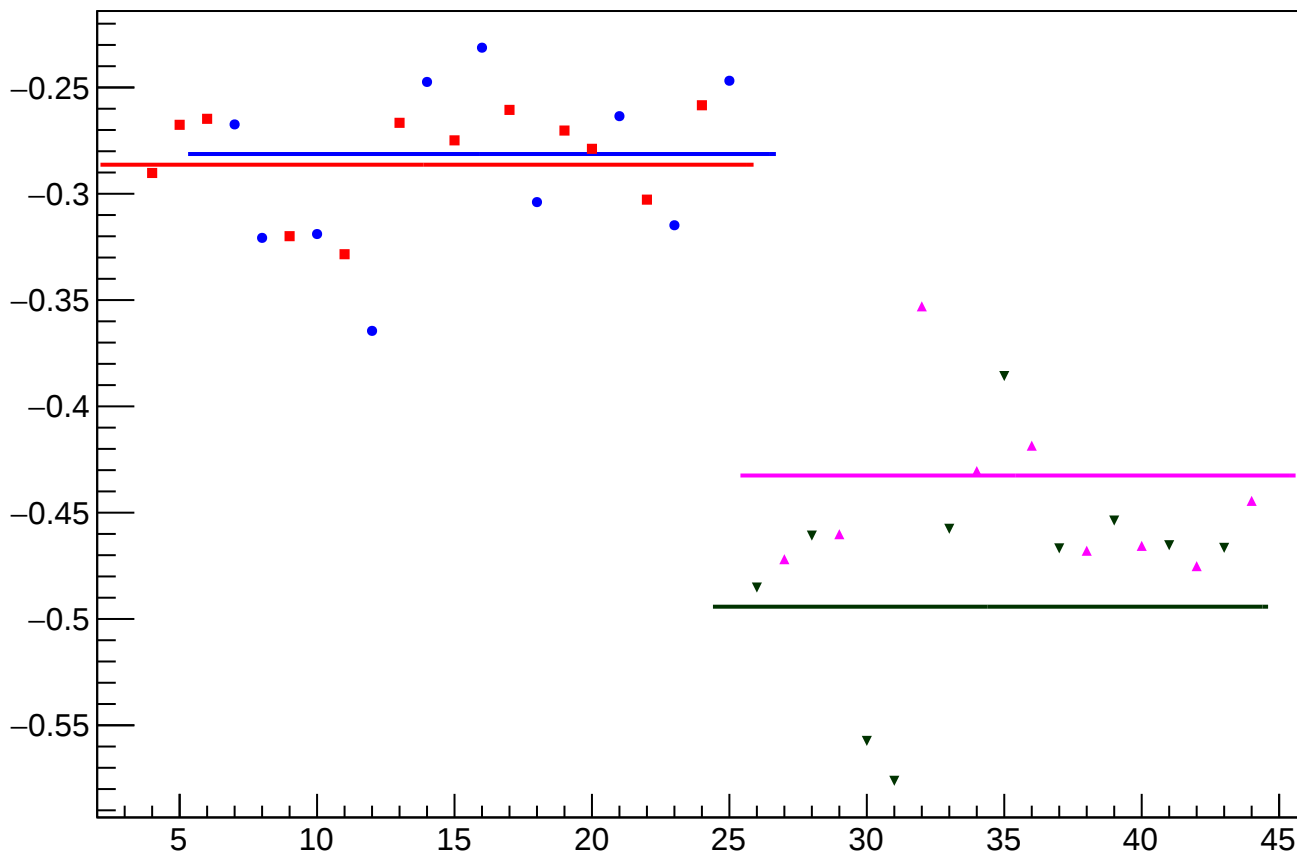
Right Out: 0.015+/-0.000 χ^2/NDF : 22407.0/11

Left In: 0.013+/-0.000 χ^2/NDF :8570.4/8

0.014+/-0.000 χ^2/NDF : 135218.0/19

0.014+/-0.000 χ^2/NDF : 179399.5/20

yield_bpm0l10Y_mean vs slug



Right In: -0.281+/-0.000 χ^2/NDF : 977787208.1/9

Left Out: -0.494+/-0.000 χ^2/NDF :1568805763.5/9

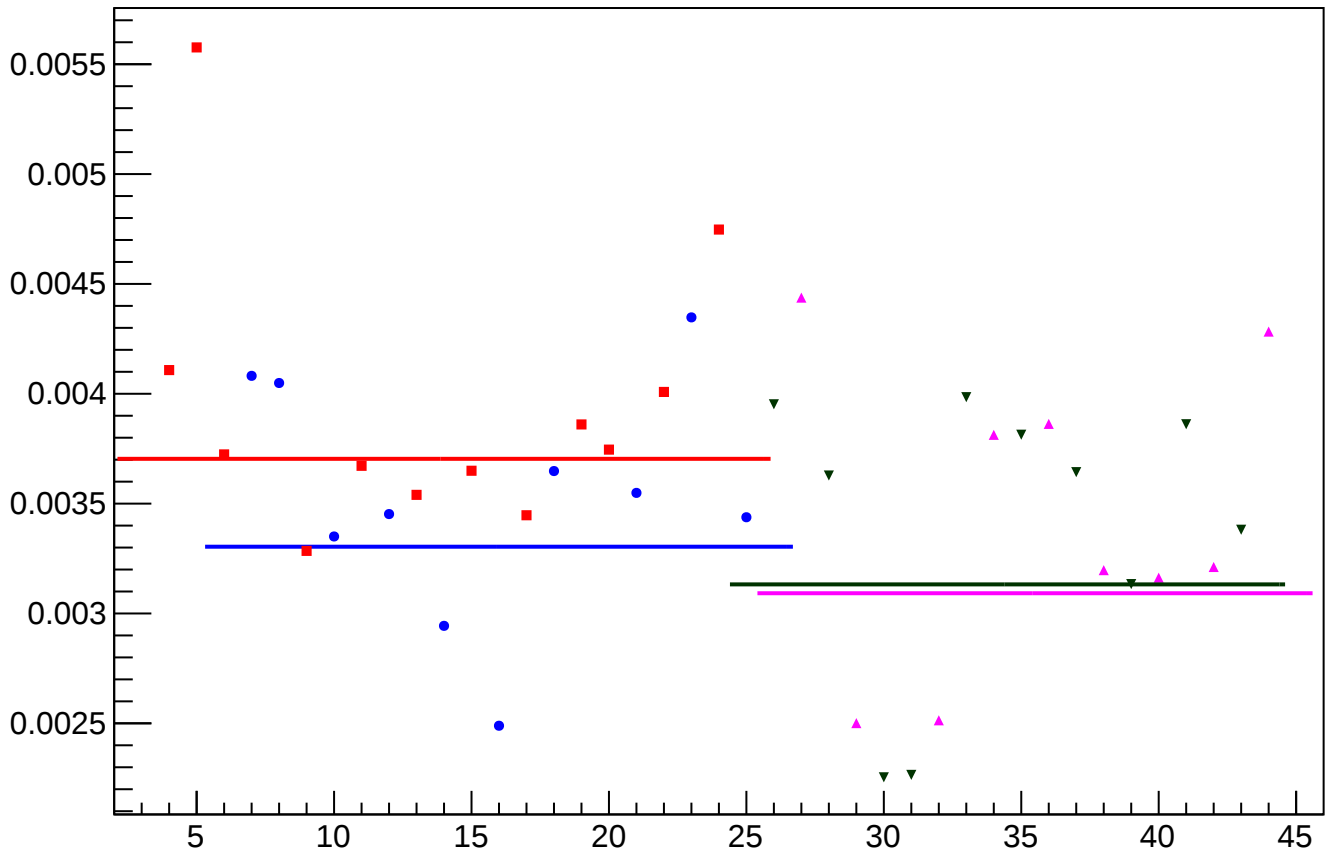
-0.382+/-0.000 χ^2/NDF : 14170674895.5/19

Right Out: -0.286+/-0.000 χ^2/NDF : 270487970.3/11

-0.368+/-0.000 χ^2/NDF : 6479295986.0/20

Left In: -0.433+/-0.000 χ^2/NDF :1186728653.8/8

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 :463941.8/9

0.003+/-0.000 χ^2/NDF : 786735.7/19

Right Out: 0.004+/-0.000 χ^2/NDF : 119237.1/11

0.003+/-0.000 χ^2/NDF : 767908.5/20

Left In: 0.003+/-0.000 χ^2/NDF :472745.5/8