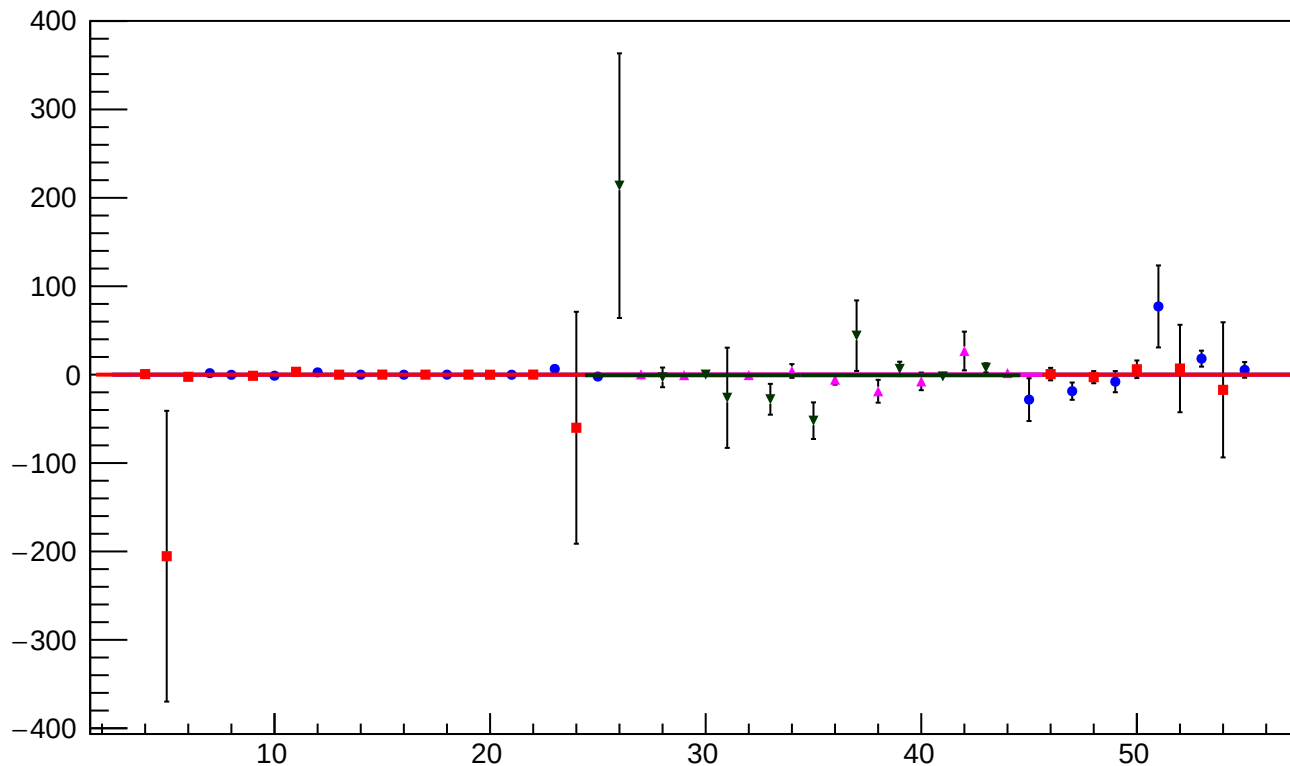


diff_cav4bX_mean vs slug



Right In: -0.014 ± 0.014

Left Out: -0.705 ± 1.554

Right Out: 0.017 ± 0.016

Left In: -0.086 ± 0.168

$\chi^2/\text{NDF}: 30.5/15$

$\chi^2/\text{NDF}: 16.1/9$

$\chi^2/\text{NDF}: 19.9/16$

$\chi^2/\text{NDF}: 15.5/8$

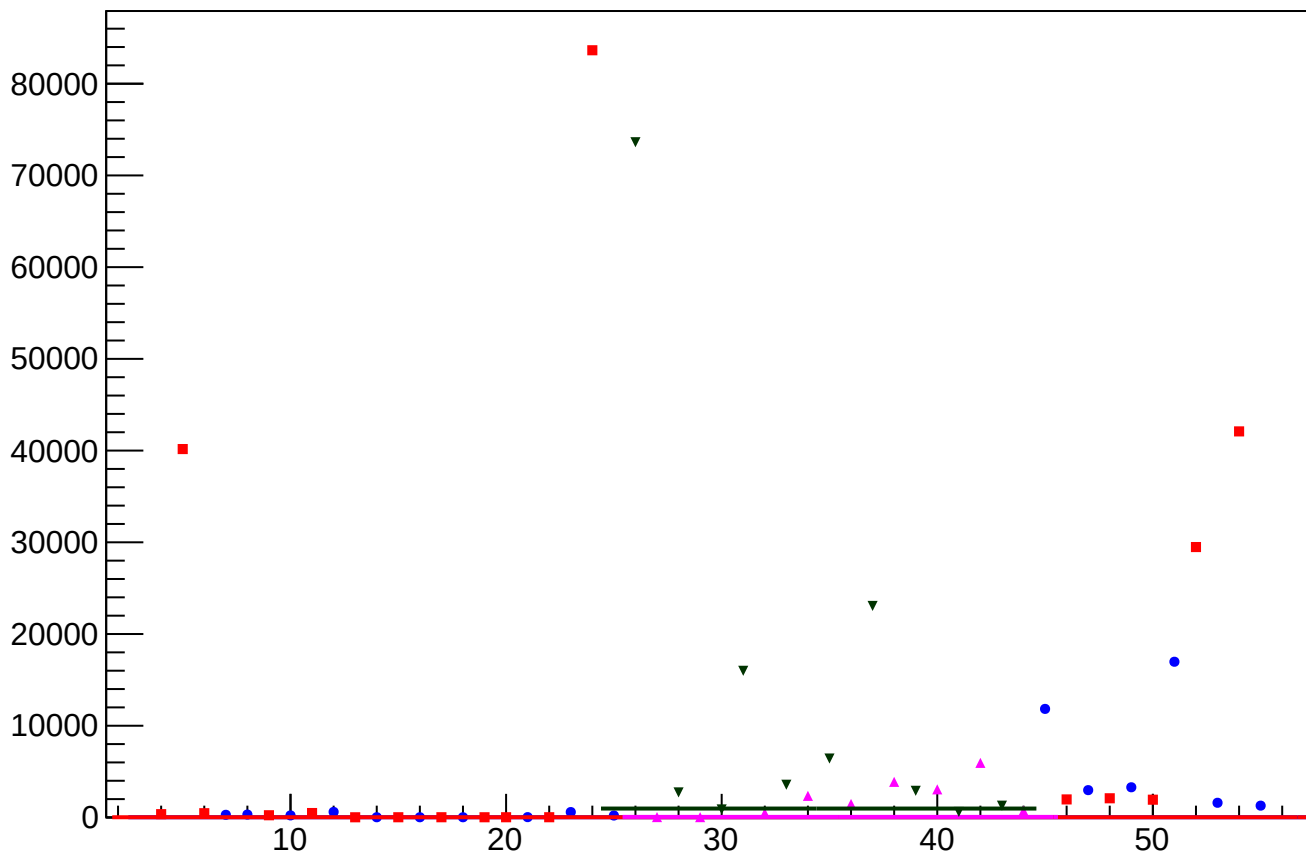
-0.014 ± 0.014

0.016 ± 0.016

$\chi^2/\text{NDF}: 46.8/25$

$\chi^2/\text{NDF}: 35.8/25$

diff_cav4bX_rms vs slug



Right In: 22.423+/-0.010 χ^2/NDF : 1947297.4/15

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

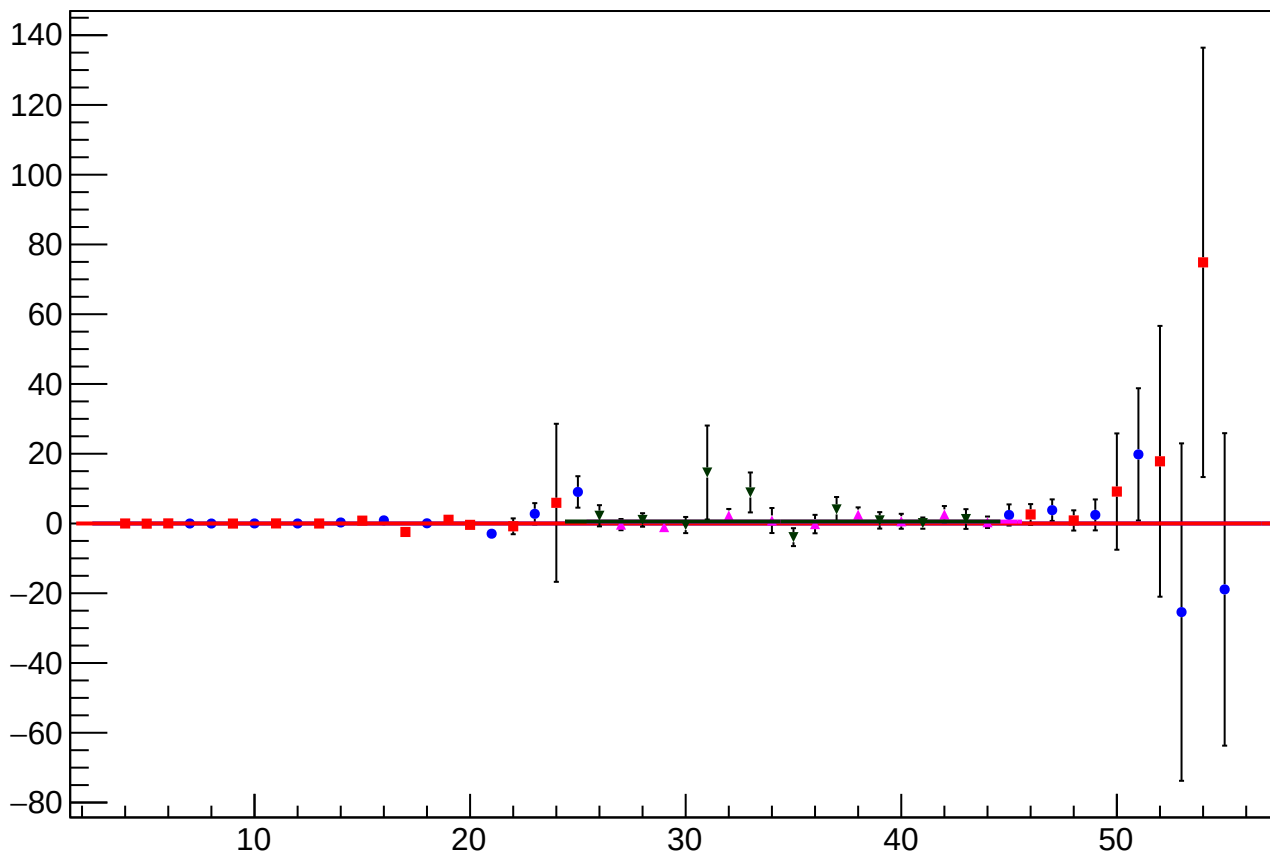
Right Out: 22.607+/-0.011 χ^2/NDF : 3130461.2/16

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

22.503+/-0.010 χ^2/NDF : 4337363.0/25

22.962+/-0.011 χ^2/NDF : 4809103.6/25

diff_cav4bY_mean vs slug



Right In: -0.001+/-0.006 χ^2/NDF : 22.2/15

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

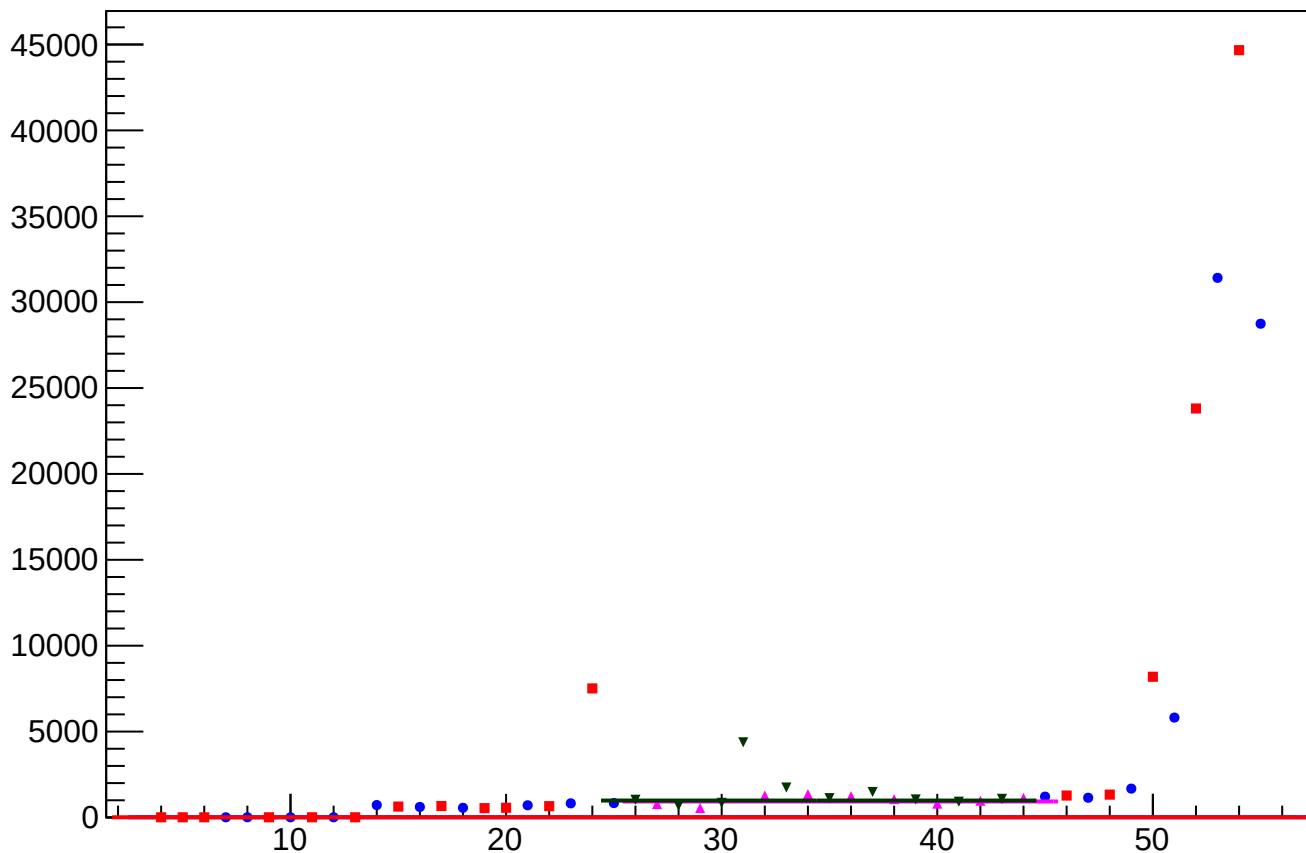
Right Out: 0.002+/-0.005 χ^2/NDF : 19.8/16

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

-0.001+/-0.006 χ^2/NDF : 30.6/25

0.002+/-0.005 χ^2/NDF : 24.8/25

diff_cav4bY_rms vs slug



Right In: 10.506+/-0.005 χ^2 /NDF: 7000683.9/15

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

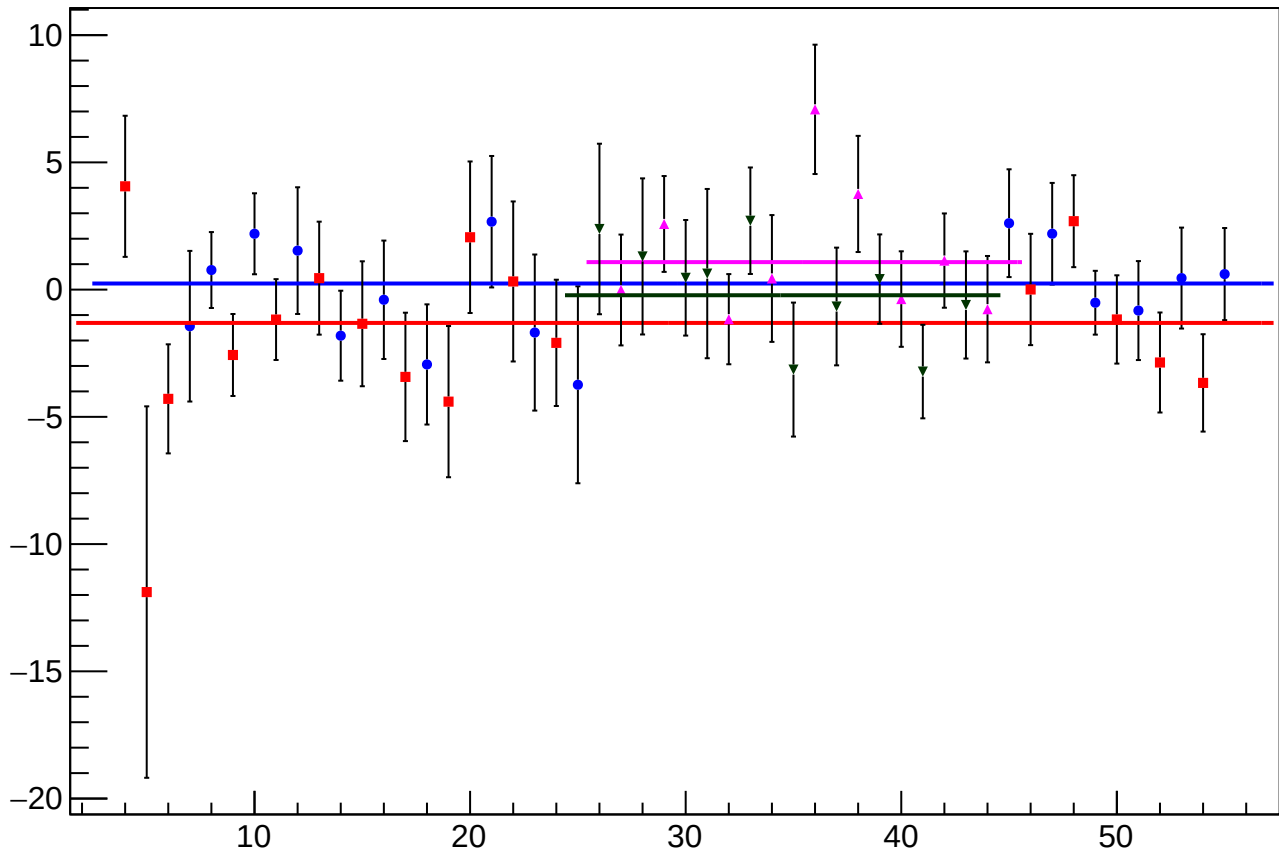
Right Out: 10.085+/-0.004 χ^2 /NDF: 5626380.5/16

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

10.568+/-0.005 χ^2 /NDF: 10150809.4/25

10.151+/-0.004 χ^2 /NDF: 10101525.0/25

diff_cav4cX_mean vs slug



Right In: 0.240 ± 0.496 χ^2/NDF : 10.7/15

Left Out: -0.221 ± 0.728 χ^2/NDF : 7.1/9

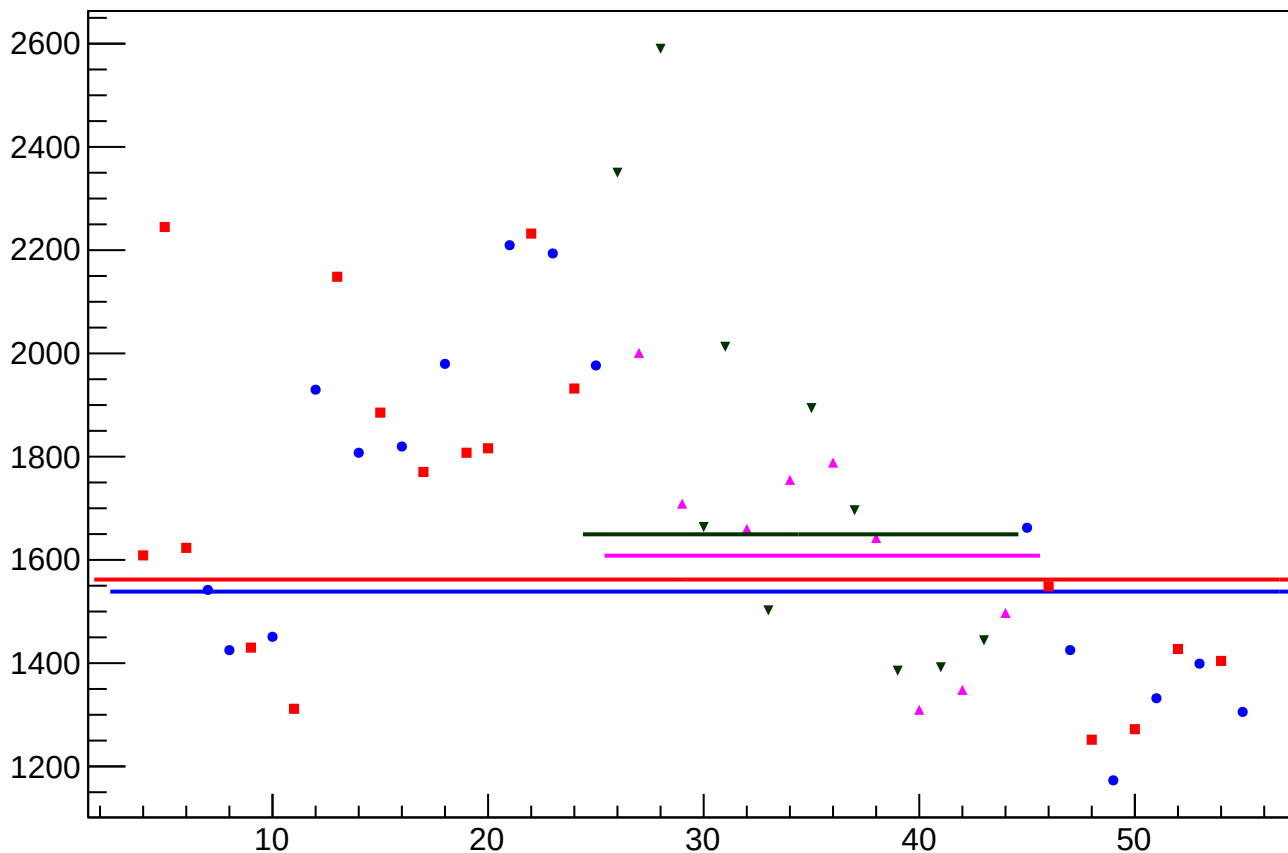
Right Out: -1.309 ± 0.531 χ^2/NDF : 19.9/16

Left In: 1.080 ± 0.686 χ^2/NDF : 10.9/8

0.094 ± 0.410 χ^2/NDF : 18.1/25

-0.414 ± 0.420 χ^2/NDF : 38.4/25

diff_cav4cX_rms vs slug



Right In: 1538.586 $\pm$ 0.351 χ^2 /NDF: 713011.6/15

Left Out: 1649.544 $\pm$ 0.515 χ^2 /NDF:430962.0/9

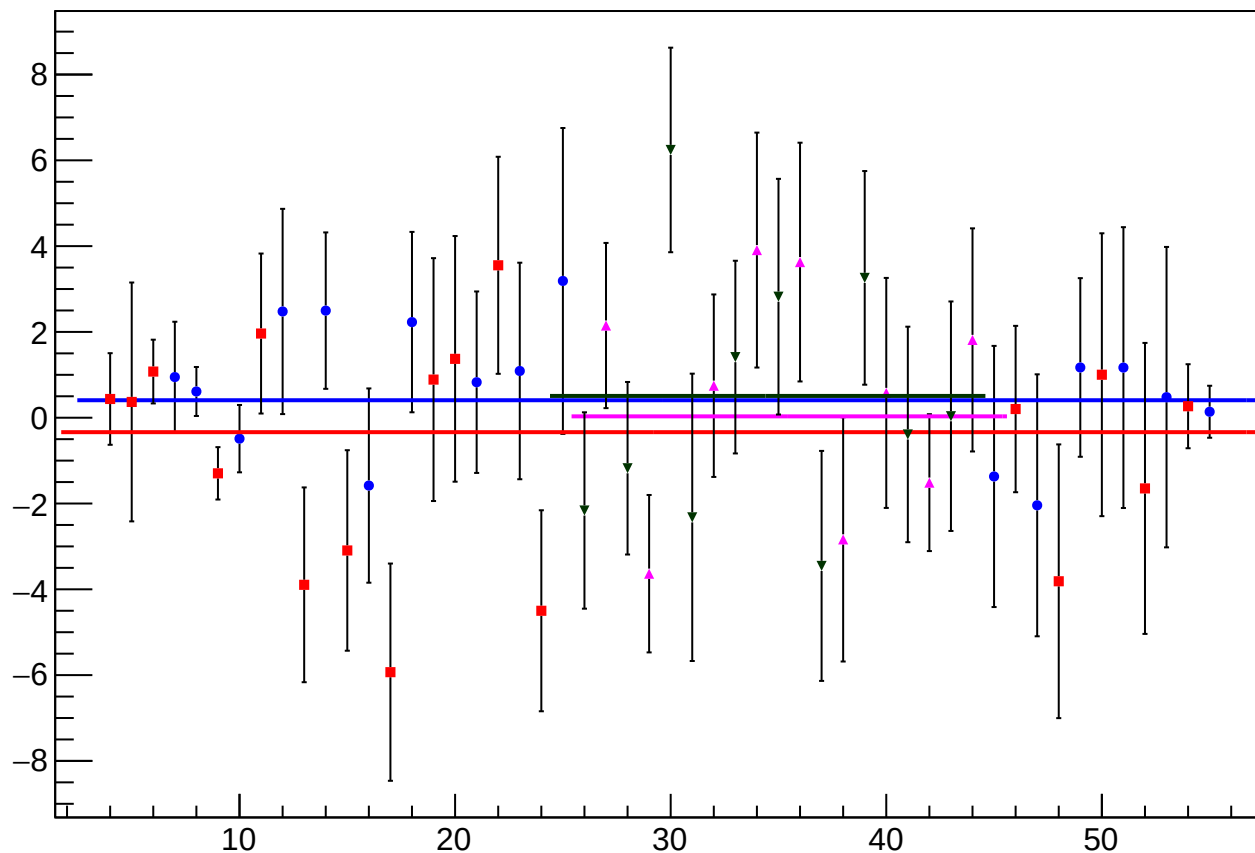
Right Out: 1561.974 $\pm$ 0.376 χ^2 /NDF: 572152.3/16

Left In: 1608.232 $\pm$ 0.485 χ^2 /NDF:185602.9/8

1573.768 $\pm$ 0.290 χ^2 /NDF: 1175676.5/25

1579.306 $\pm$ 0.297 χ^2 /NDF: 763437.5/25

diff_cav4cY_mean vs slug



Right In: 0.408 ± 0.316 χ^2/NDF : 7.3/15

Left Out: 0.508 ± 0.783 χ^2/NDF : 13.0/9

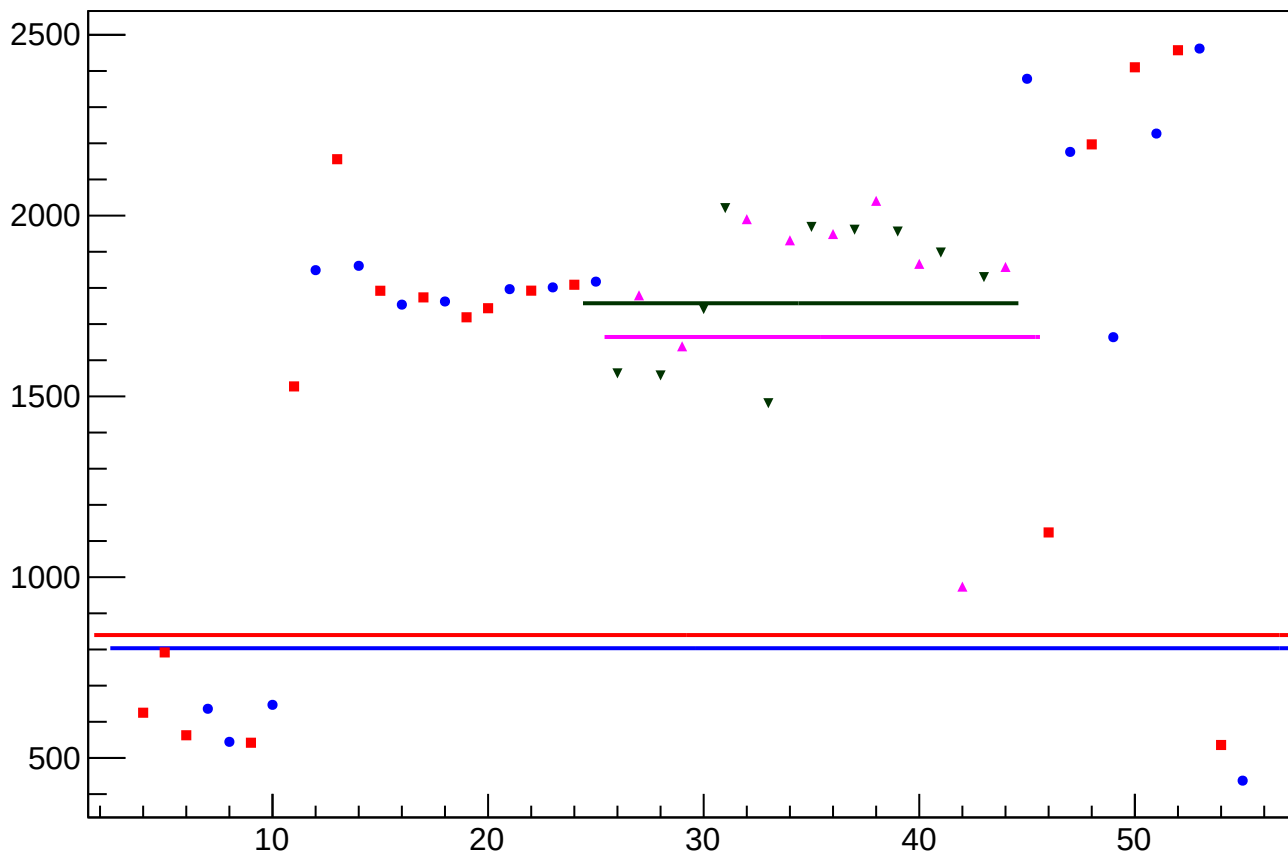
Right Out: -0.337 ± 0.343 χ^2/NDF : 25.0/16

Left In: 0.032 ± 0.735 χ^2/NDF : 11.5/8

0.422 ± 0.293 χ^2/NDF : 20.3/25

-0.271 ± 0.311 χ^2/NDF : 36.6/25

diff_cav4cY_rms vs slug



Right In: 803.509+/-0.224 χ^2/NDF : 6101585.8/15

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

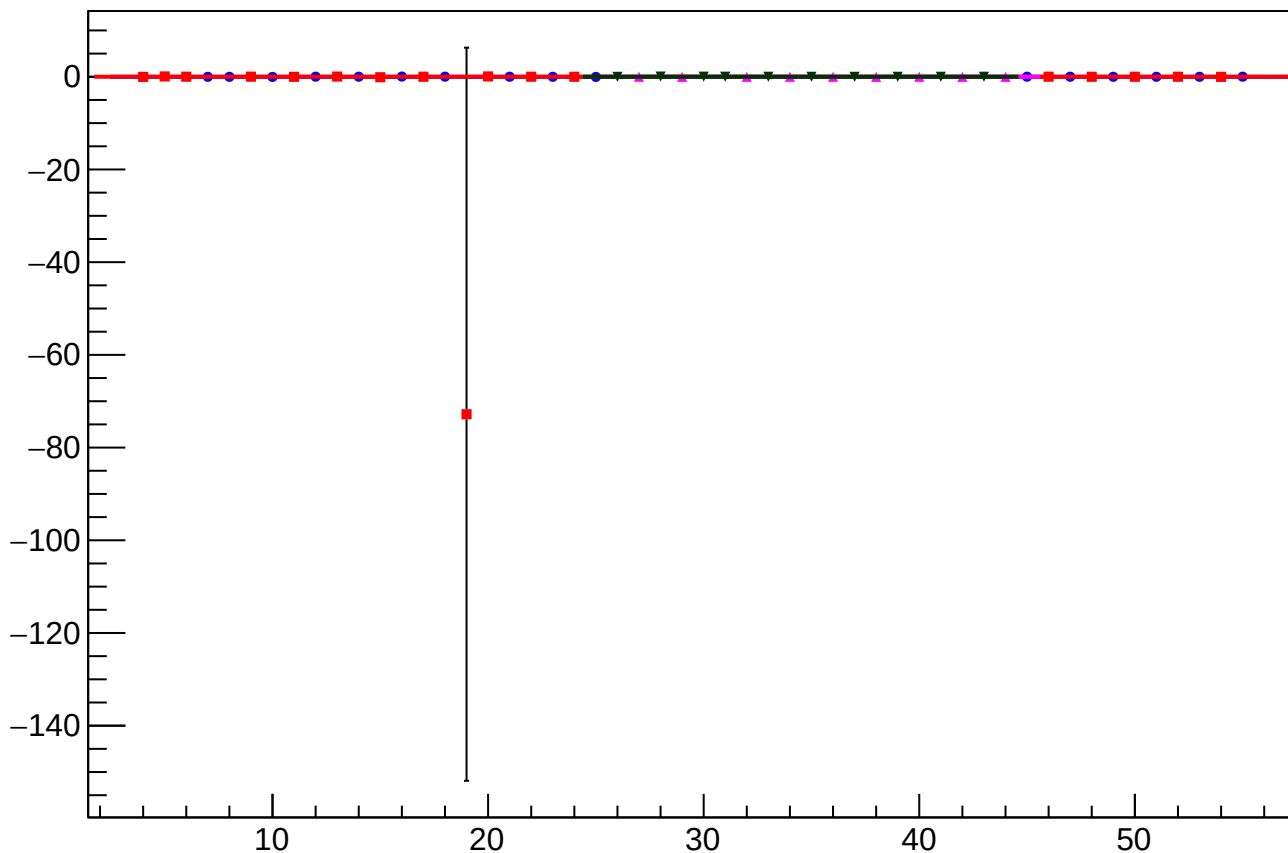
Right Out: 839.907+/-0.243 χ^2/NDF : 4907607.3/16

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

937.561+/-0.207 χ^2/NDF : 8776901.0/25

987.617+/-0.220 χ^2/NDF : 7502091.8/25

diff_cav4dX_mean vs slug



Right In: 0.002 $\pm$ 0.004 χ^2 /NDF: 10.2/15

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

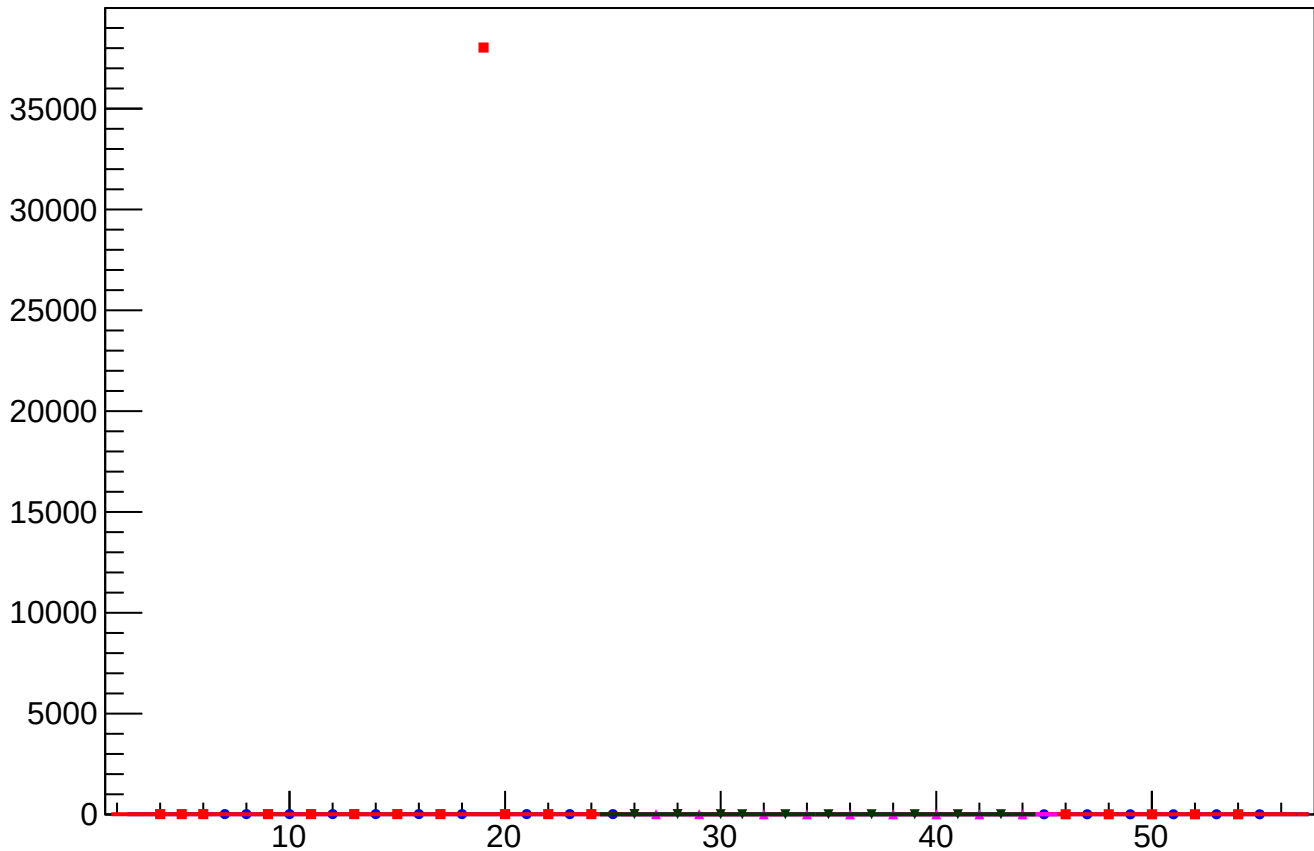
Right Out: 0.003 $\pm$ 0.005 χ^2 /NDF: 17.8/16

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

0.002 $\pm$ 0.003 χ^2 /NDF: 18.9/25

-0.001 $\pm$ 0.003 χ^2 /NDF: 20.0/25

diff_cav4dX_rms vs slug



Right In: 11.108 $\pm$ 0.003 χ^2 /NDF: 1806945.0/15

Left Out: 9.339 $\pm$ 0.003 χ^2 /NDF: 592494.4/9

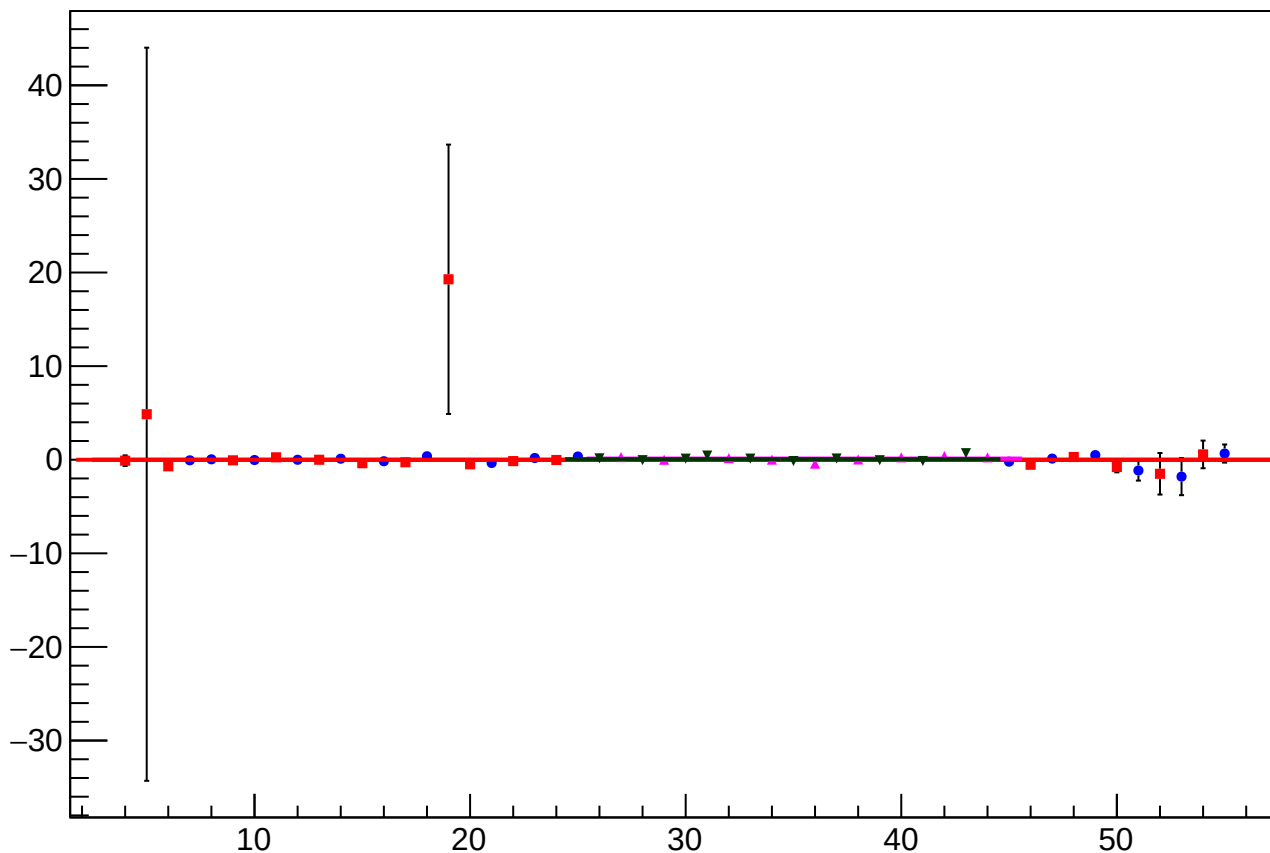
10.251 $\pm$ 0.002 χ^2 /NDF: 2580463.6/25

Right Out: 11.601 $\pm$ 0.003 χ^2 /NDF: 2120206.5/16

10.370 $\pm$ 0.002 χ^2 /NDF: 3142620.0/25

Left In: 9.359 $\pm$ 0.003 χ^2 /NDF: 755521.7/8

diff_cav4dY_mean vs slug



Right In: -0.003 ± 0.003 χ^2/NDF : 20.7/15

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

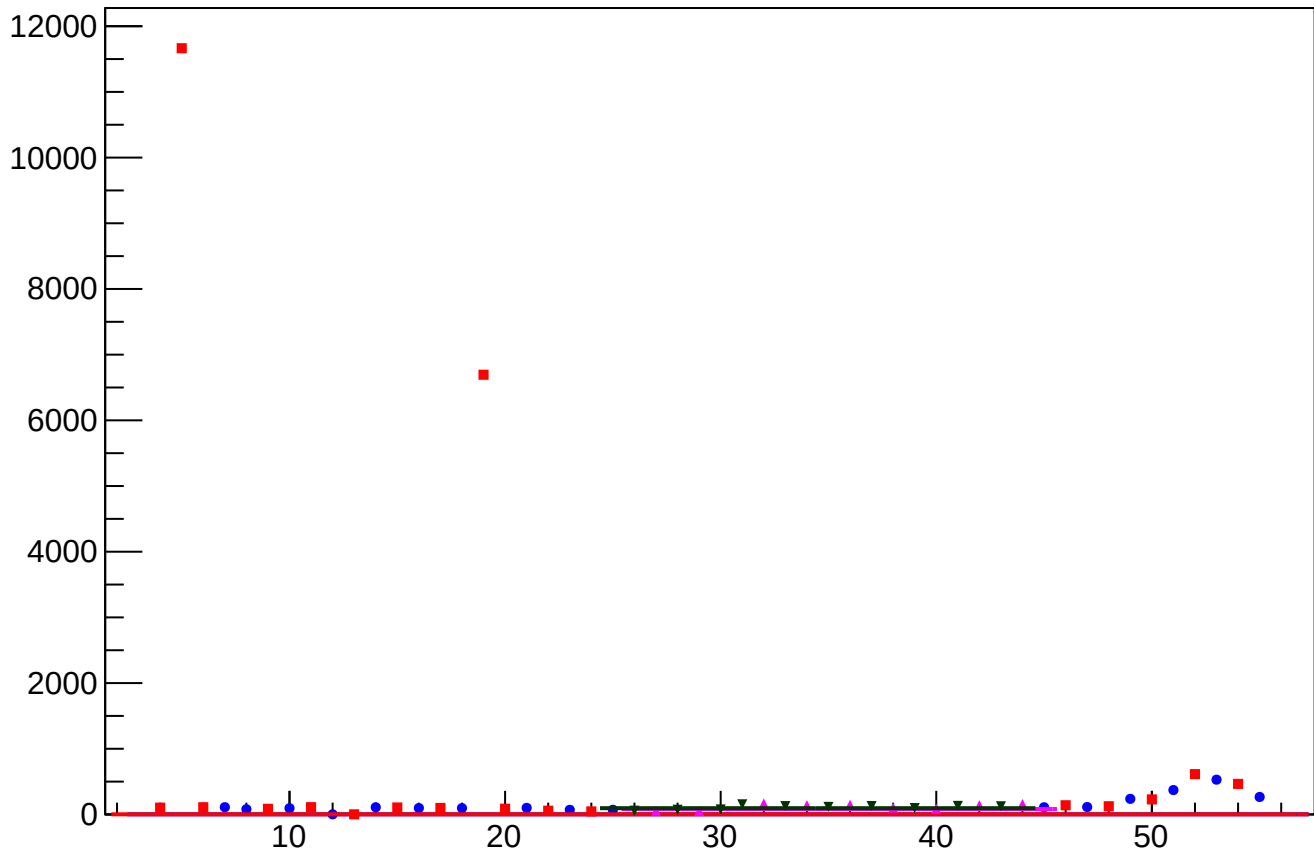
Right Out: -0.003 ± 0.003 χ^2/NDF : 18.7/16

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

-0.002 ± 0.003 χ^2/NDF : 33.2/25

-0.002 ± 0.003 χ^2/NDF : 34.4/25

diff_cav4dY_rms vs slug



Right In: 2.211+/-0.002 χ^2/NDF : 8381021.3/15

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

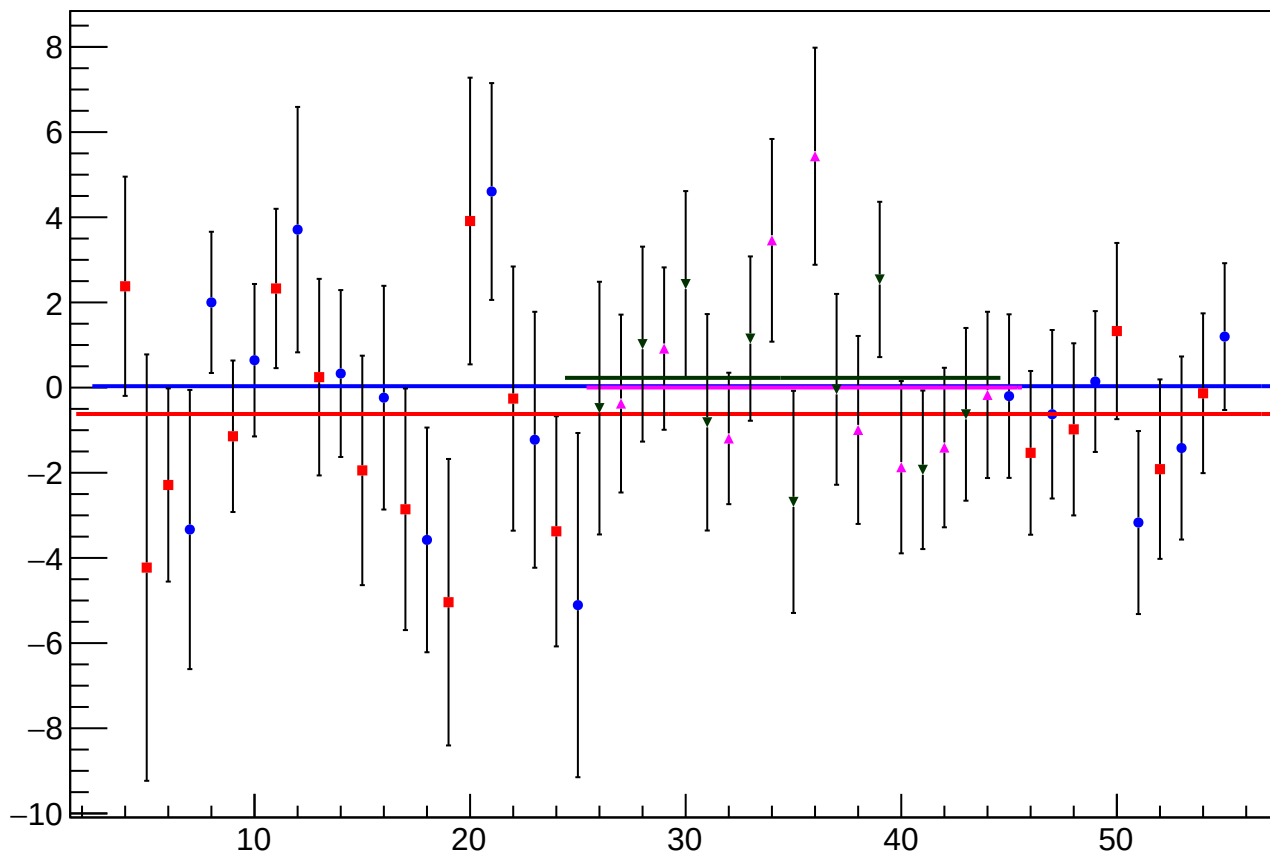
2.472+/-0.002 χ^2/NDF : 13958683.4/25

Right Out: 2.096+/-0.002 χ^2/NDF : 5755497.3/16

2.355+/-0.002 χ^2/NDF : 11418372.7/25

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

diff_bpm4aX_mean vs slug



Right In: 0.033 ± 0.540 $\chi^2/\text{NDF}: 14.4/15$

Left Out: 0.229 ± 0.687 $\chi^2/\text{NDF}: 6.0/9$

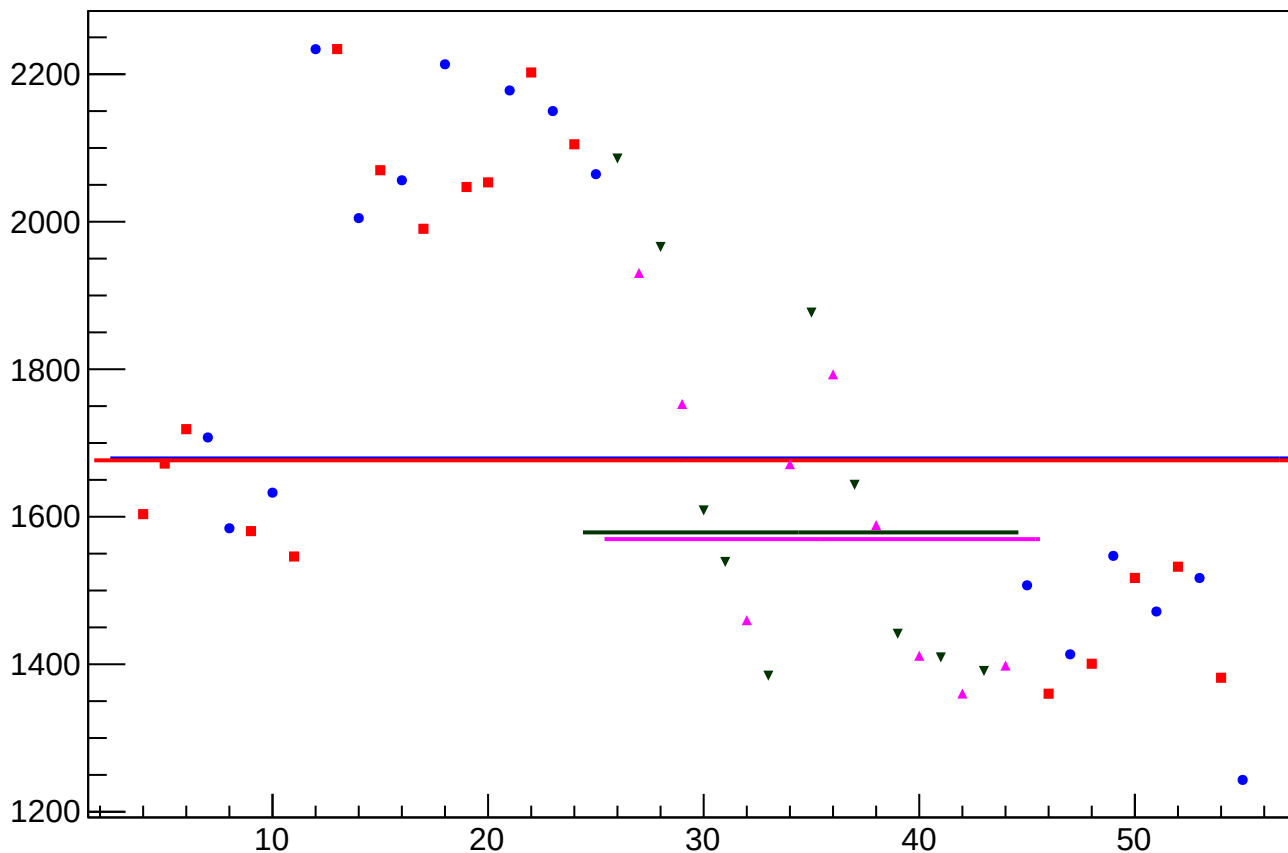
Right Out: -0.620 ± 0.567 $\chi^2/\text{NDF}: 12.2/16$

Left In: 0.002 ± 0.666 $\chi^2/\text{NDF}: 9.1/8$

0.108 ± 0.425 $\chi^2/\text{NDF}: 20.4/25$

-0.359 ± 0.432 $\chi^2/\text{NDF}: 21.8/25$

diff_bpm4aX_rms vs slug



Right In: 1679.071+/-0.382 χ^2/NDF : 627599.7/15

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

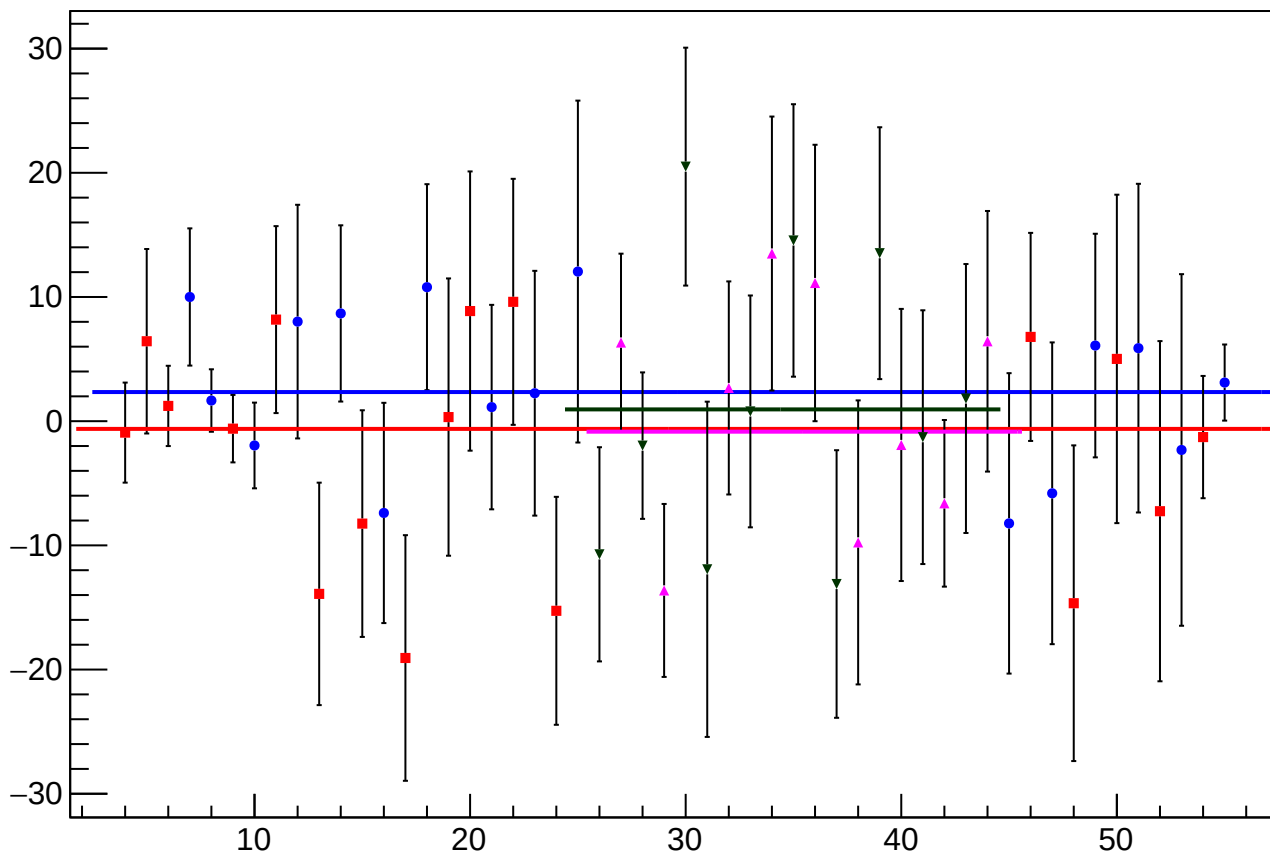
Right Out: 1676.512+/-0.401 χ^2/NDF : 520807.6/16

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

1640.782+/-0.300 χ^2/NDF : 863464.0/25

1631.661+/-0.305 χ^2/NDF : 710789.6/25

diff_bpm4aY_mean vs slug



Right In: 2.346 ± 1.405 $\chi^2/\text{NDF}: 9.1/15$

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

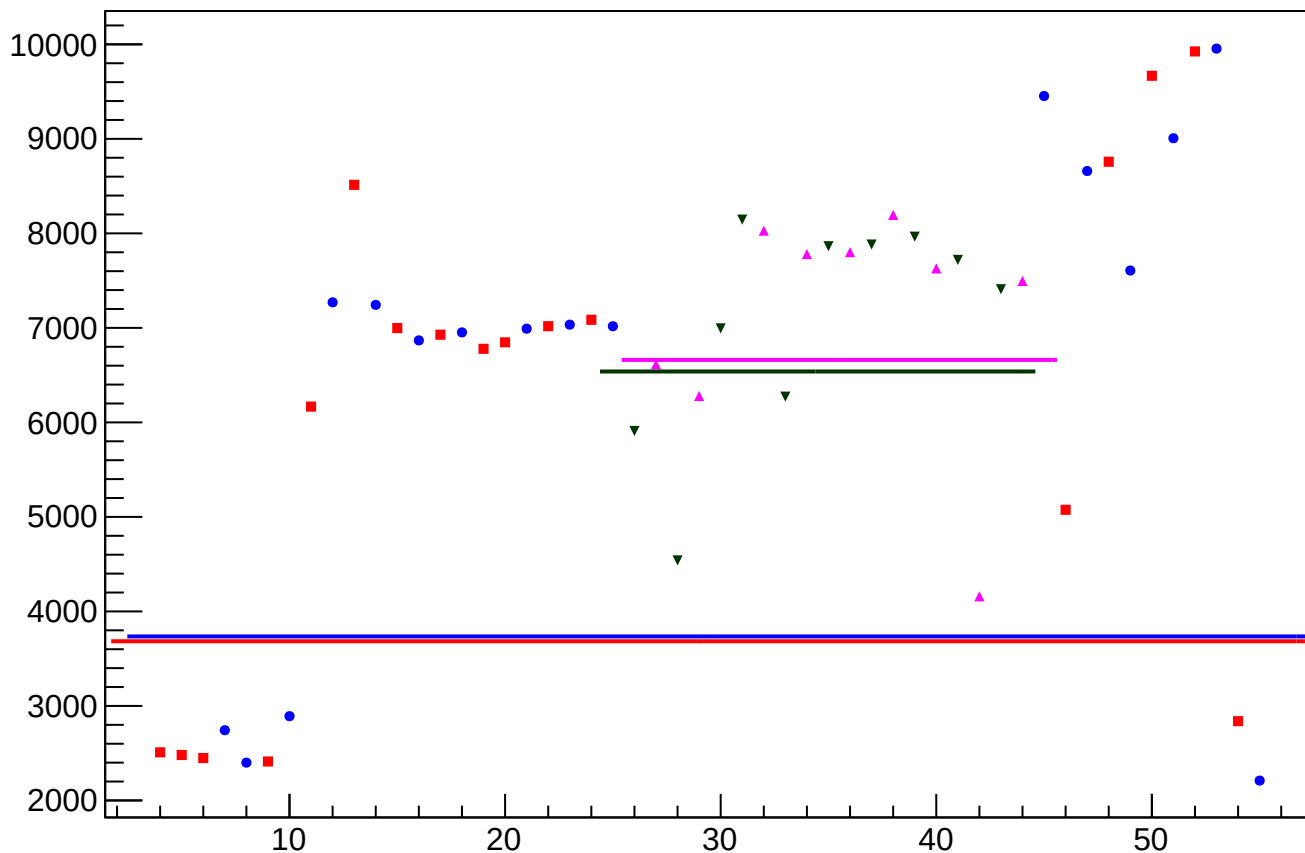
Right Out: -0.621 ± 1.452 $\chi^2/\text{NDF}: 15.8/16$

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

2.087 ± 1.268 $\chi^2/\text{NDF}: 21.3/25$

-0.666 ± 1.300 $\chi^2/\text{NDF}: 25.0/25$

diff_bpm4aY_rms vs slug



Right In: 3735.292+/-0.993 χ^2/NDF : 5064913.0/15

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

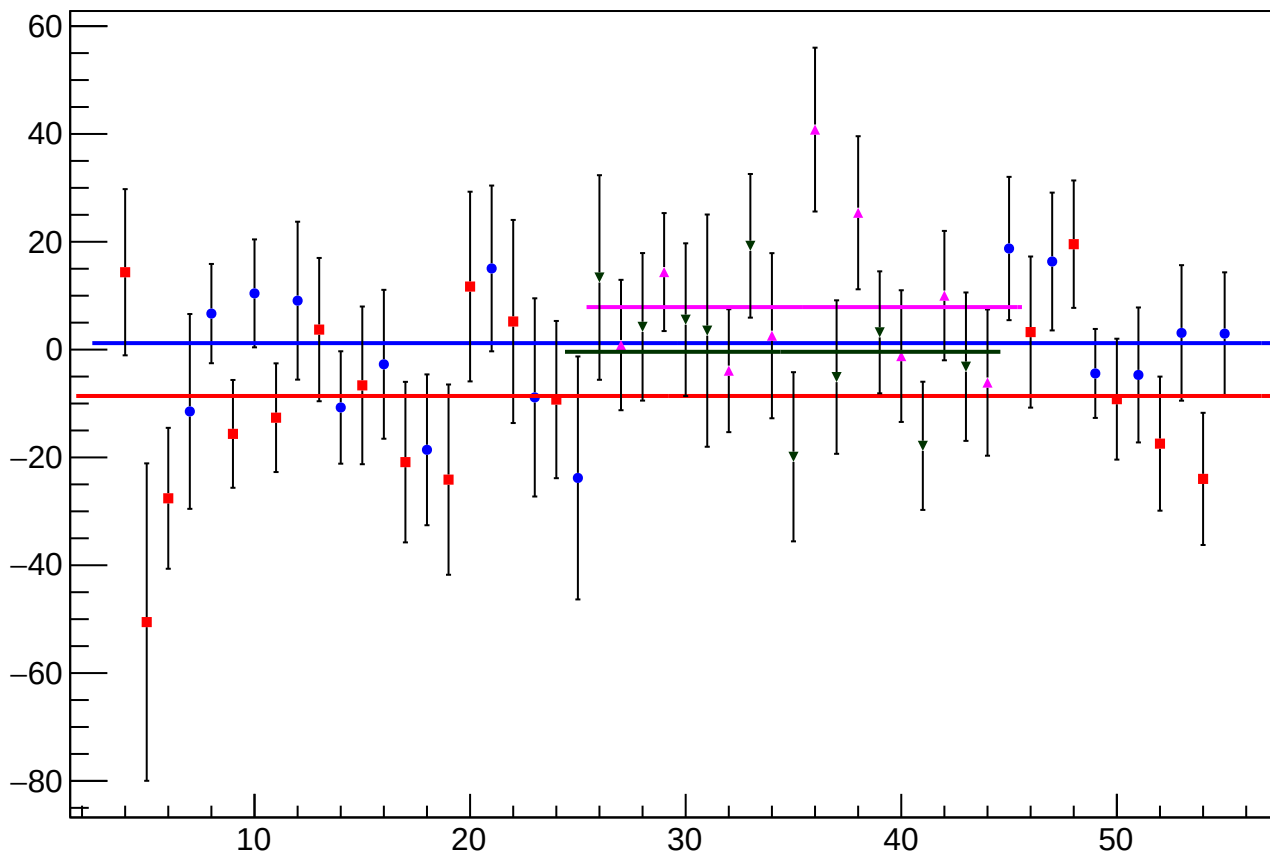
Right Out: 3684.303+/-1.027 χ^2/NDF : 4302717.2/16

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

4253.140+/-0.897 χ^2/NDF : 6950708.2/25

4274.740+/-0.919 χ^2/NDF : 6410540.8/25

diff_bpm4eX_mean vs slug



Right In: 1.202 ± 3.084 χ^2/NDF : 11.6/15

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

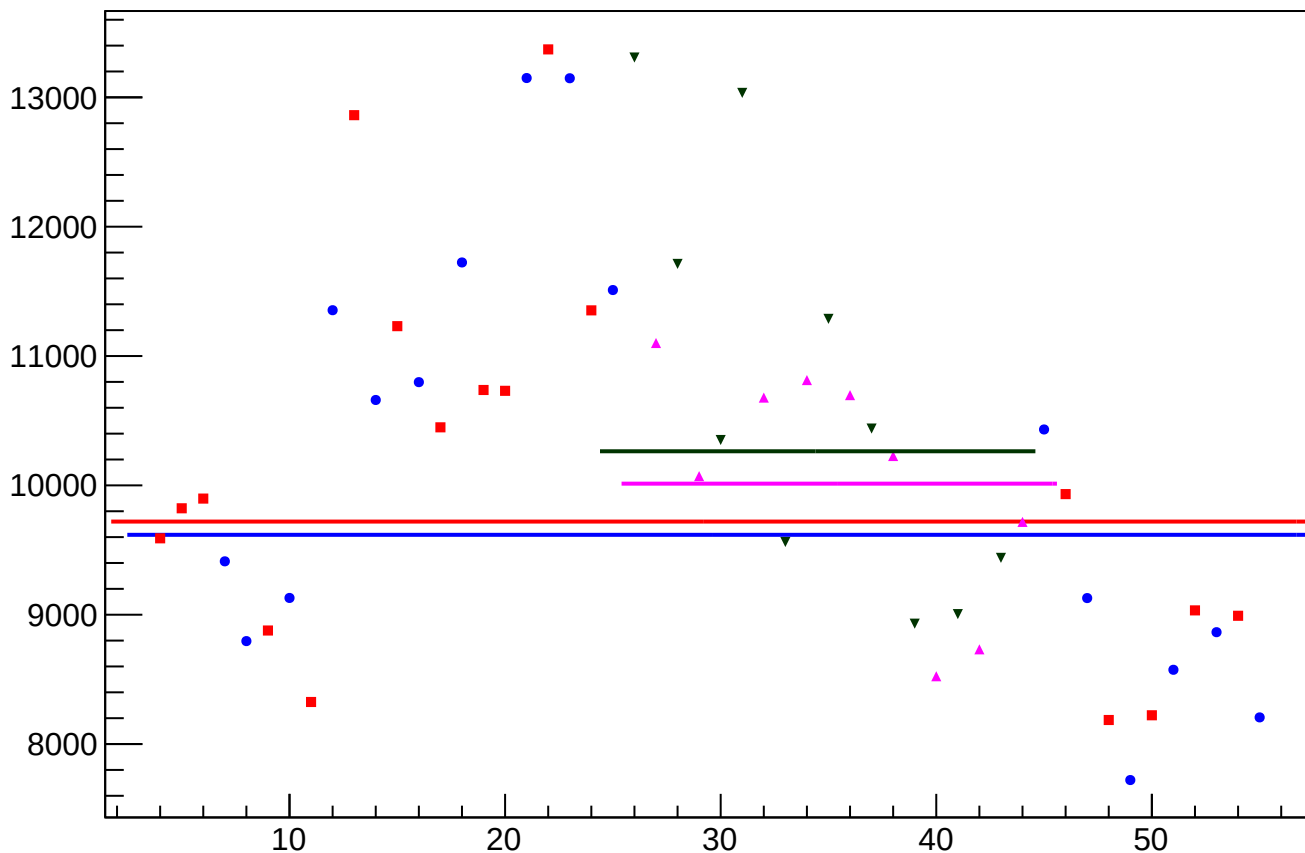
Right Out: -8.601 ± 3.276 χ^2/NDF : 19.7/16

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

0.682 ± 2.539 χ^2/NDF : 18.7/25

-2.447 ± 2.593 χ^2/NDF : 38.9/25

diff_bpm4eX_rms vs slug



Right In: 9617.719+/-2.181 χ^2 /NDF: 490293.7/15

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

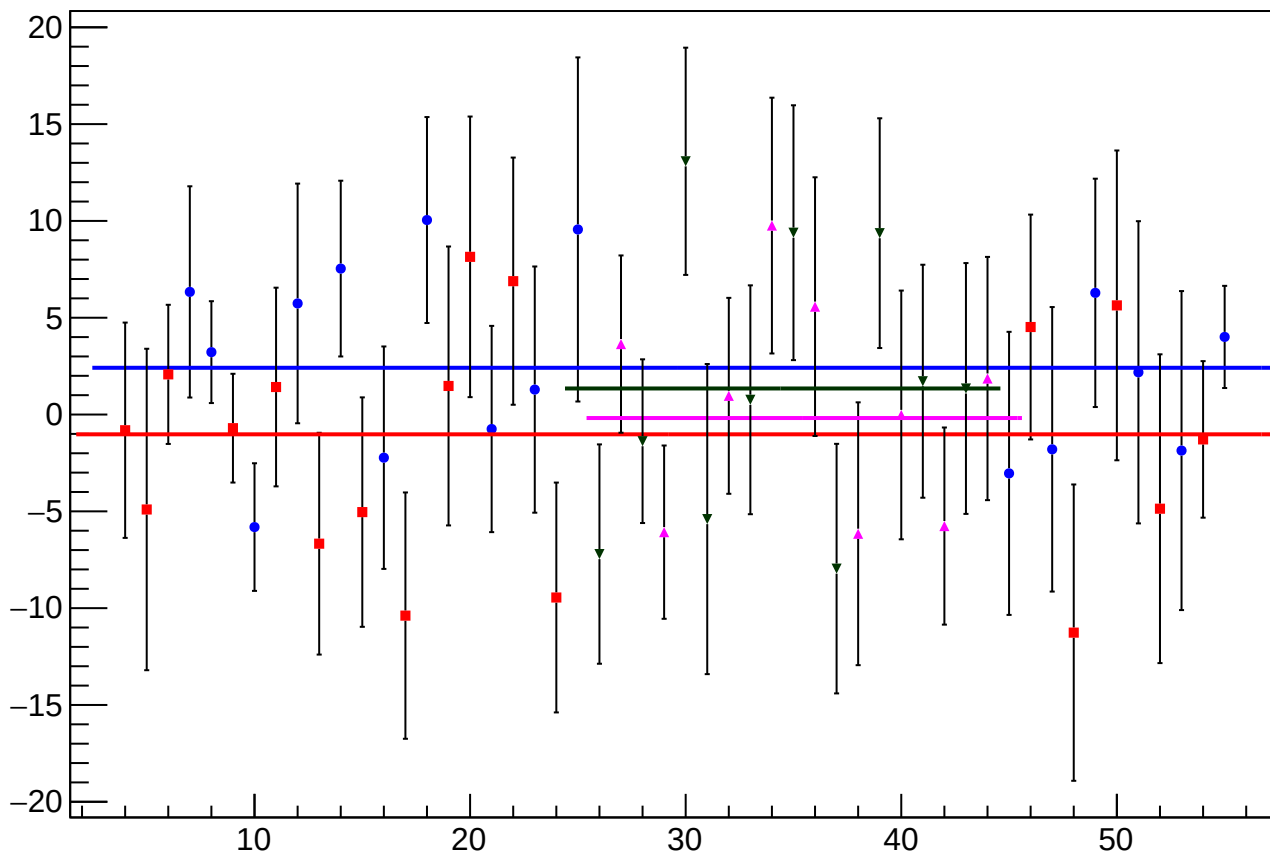
Right Out: 9720.155+/-2.316 χ^2 /NDF: 387404.4/16

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

9826.070+/-1.795 χ^2 /NDF: 697387.4/25

9829.601+/-1.834 χ^2 /NDF: 479873.9/25

diff_bpm4eY_mean vs slug



Right In: 2.415 ± 1.175 $\chi^2/\text{NDF}: 14.1/15$

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

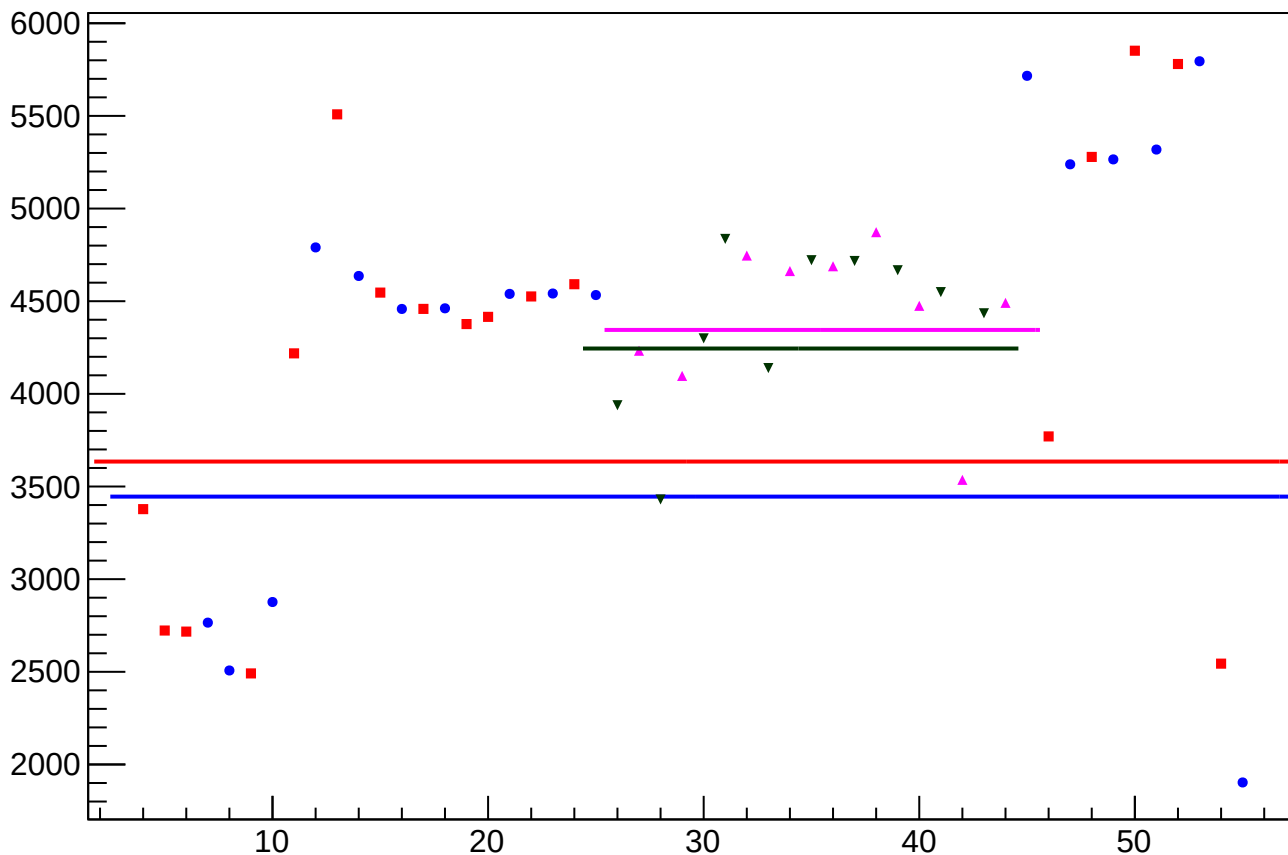
Right Out: -1.022 ± 1.287 $\chi^2/\text{NDF}: 13.7/16$

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

2.111 ± 0.994 $\chi^2/\text{NDF}: 27.2/25$

-0.747 ± 1.057 $\chi^2/\text{NDF}: 21.4/25$

diff_bpm4eY_rms vs slug



Right In: 3445.505+/-0.831 χ^2/NDF : 2350048.5/15

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

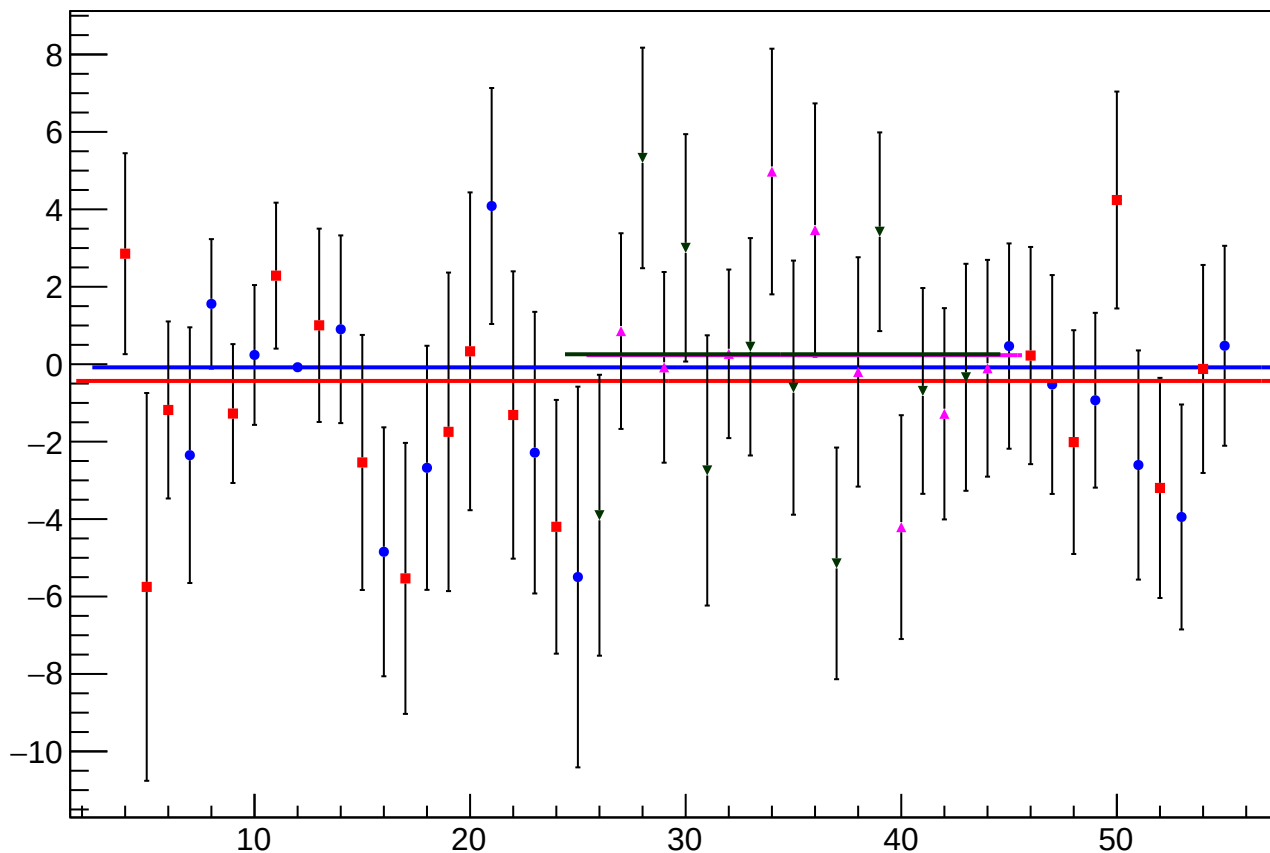
Right Out: 3634.662+/-0.910 χ^2/NDF : 1483793.8/16

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

3672.609+/-0.703 χ^2/NDF : 2742832.5/25

3866.299+/-0.747 χ^2/NDF : 1776666.7/25

diff_bpm4acX_mean vs slug



Right In: -0.081 ± 0.060 χ^2/NDF : 10.7/15

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

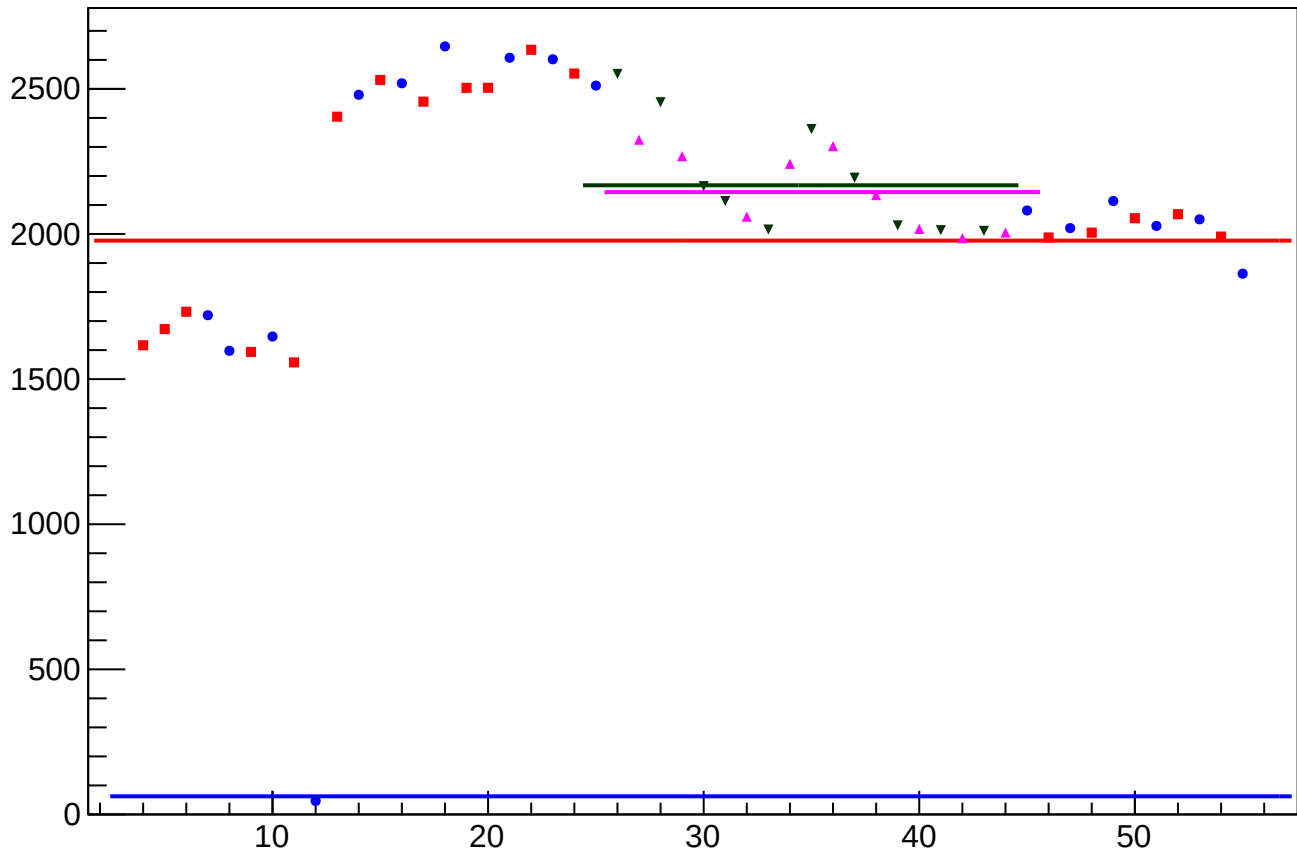
Right Out: -0.432 ± 0.670 χ^2/NDF : 13.6/16

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

-0.080 ± 0.060 χ^2/NDF : 22.0/25

-0.197 ± 0.539 χ^2/NDF : 20.0/25

diff_bpm4acX_rms vs slug



Right In: 62.455+/-0.042 χ^2/NDF : 17795395.2/15

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

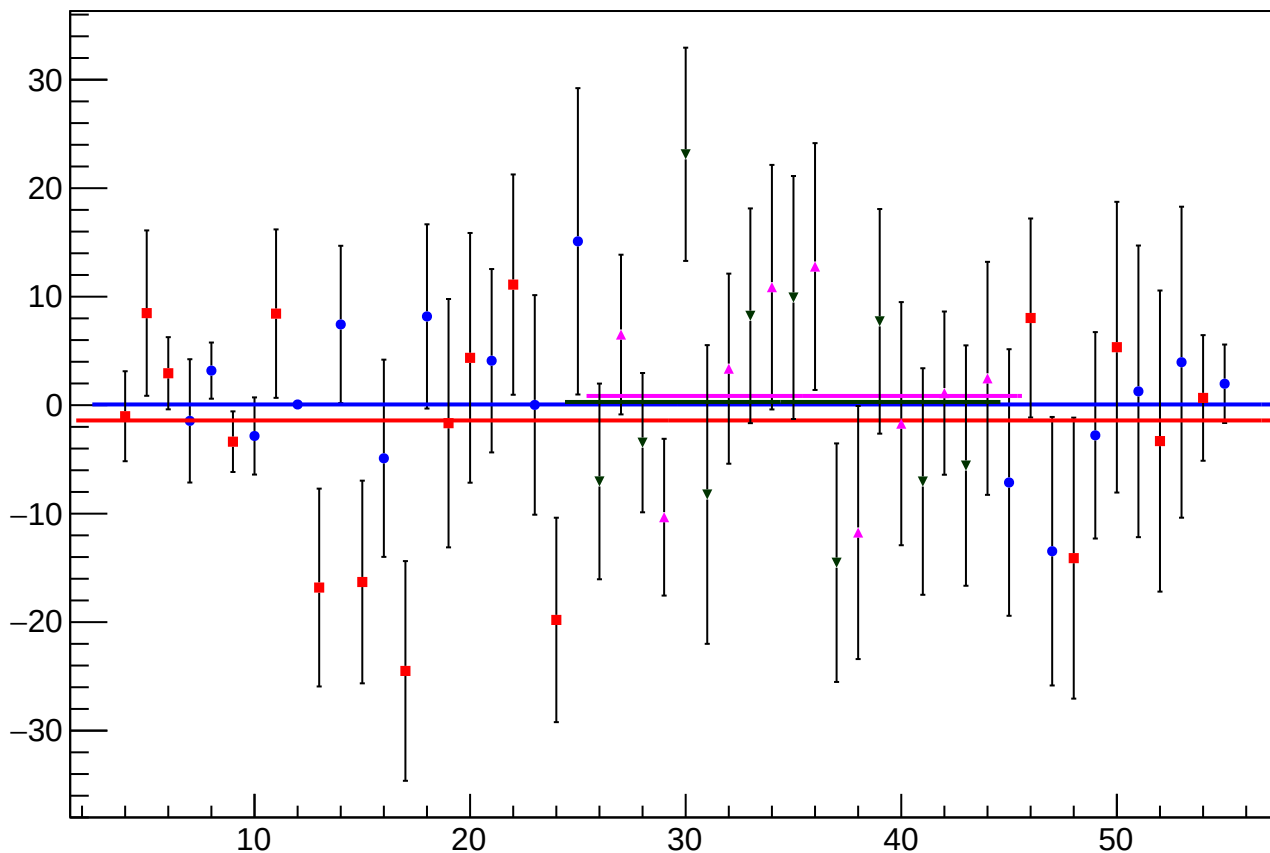
71.072+/-0.042 χ^2/NDF : 27923223.7/25

Right Out: 1977.276+/-0.474 χ^2/NDF : 606195.0/16

2036.402+/-0.381 χ^2/NDF : 690630.2/25

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

diff_bpm4acY_mean vs slug



Right In: 0.065 ± 0.052 $\chi^2/\text{NDF}: 7.8/15$

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

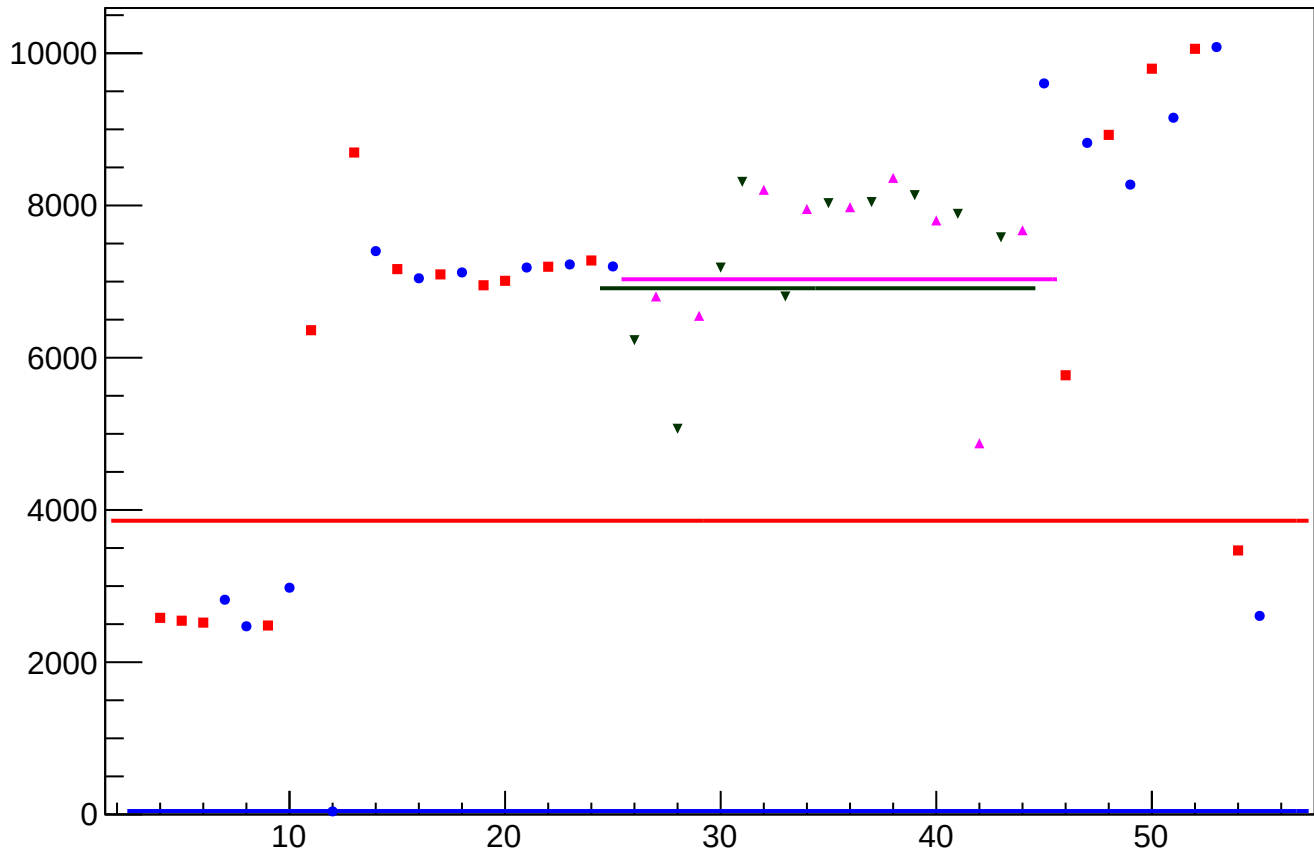
Right Out: -1.409 ± 1.511 $\chi^2/\text{NDF}: 24.1/16$

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

0.065 ± 0.052 $\chi^2/\text{NDF}: 19.1/25$

-0.963 ± 1.353 $\chi^2/\text{NDF}: 30.7/25$

diff_bpm4acY_rms vs slug



Right In: 45.008+/-0.037 χ^2/NDF : 17809231.9/15

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

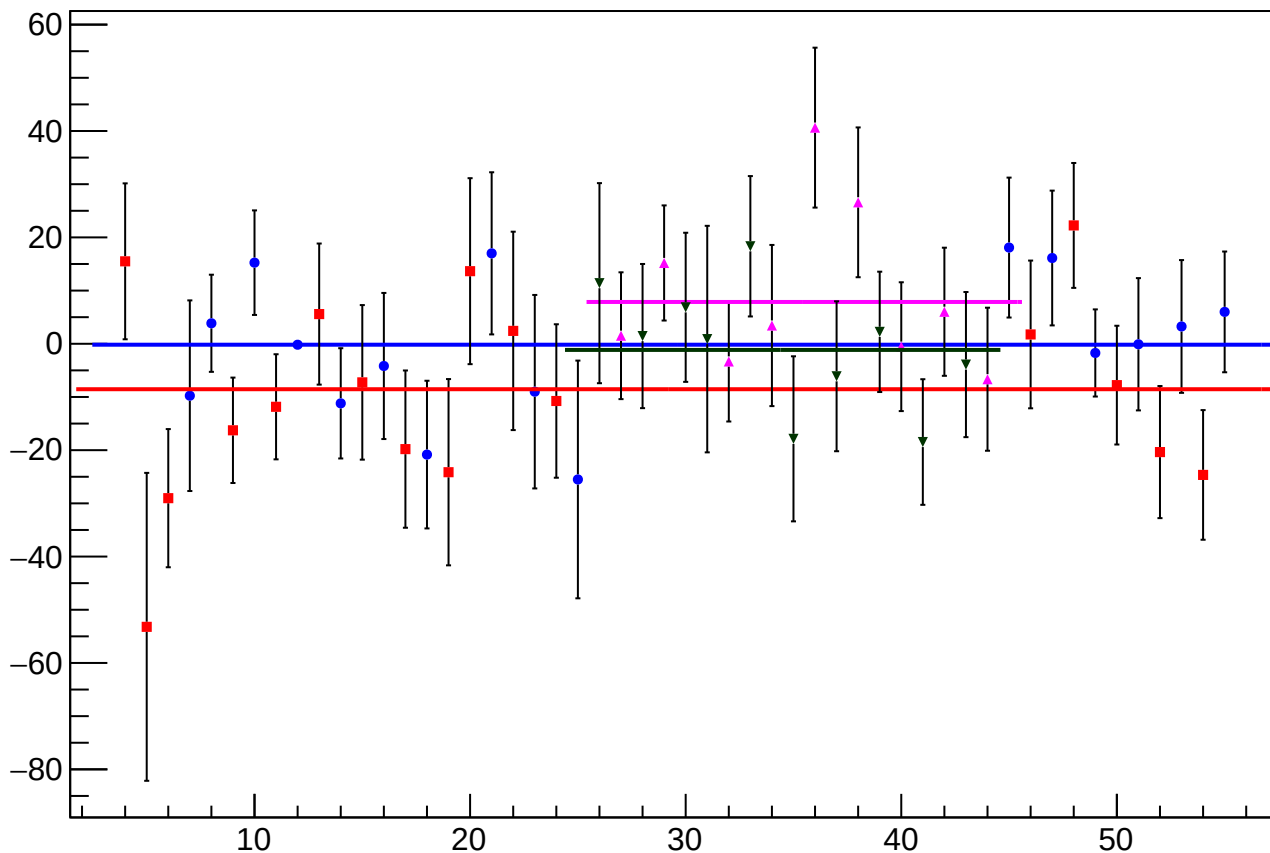
46.969+/-0.037 χ^2/NDF : 28031560.9/25

Right Out: 3858.501+/-1.068 χ^2/NDF : 4253087.2/16

4485.241+/-0.957 χ^2/NDF : 6276557.0/25

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

diff_bpm4ecX_mean vs slug



Right In: -0.175 ± 0.106 $\chi^2/\text{NDF}: 13.2/15$

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

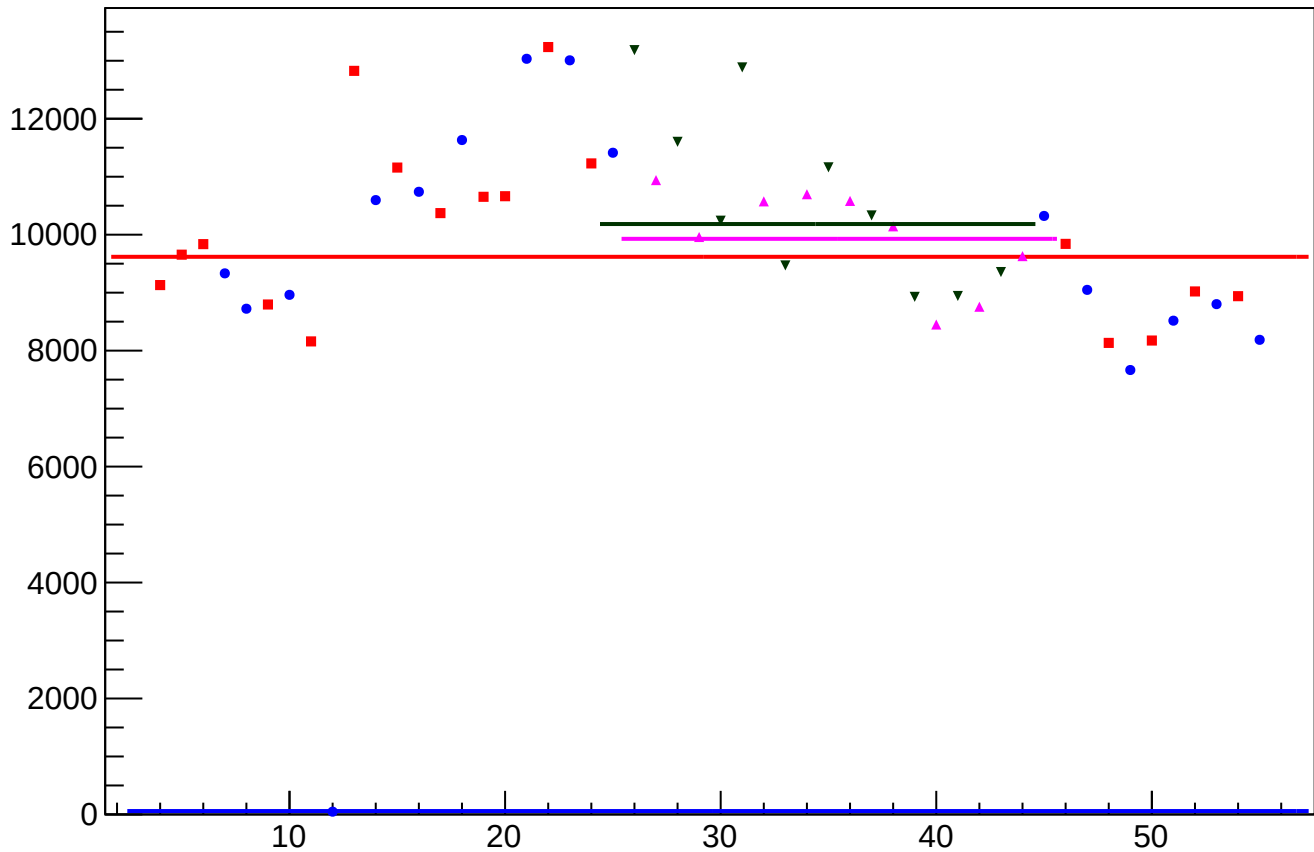
Right Out: -8.542 ± 3.242 $\chi^2/\text{NDF}: 22.9/16$

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

-0.175 ± 0.106 $\chi^2/\text{NDF}: 19.8/25$

-2.429 ± 2.568 $\chi^2/\text{NDF}: 42.4/25$

diff_bpm4ecX_rms vs slug



Right In: 58.927+/-0.075 χ^2/NDF : 18530704.7/15

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

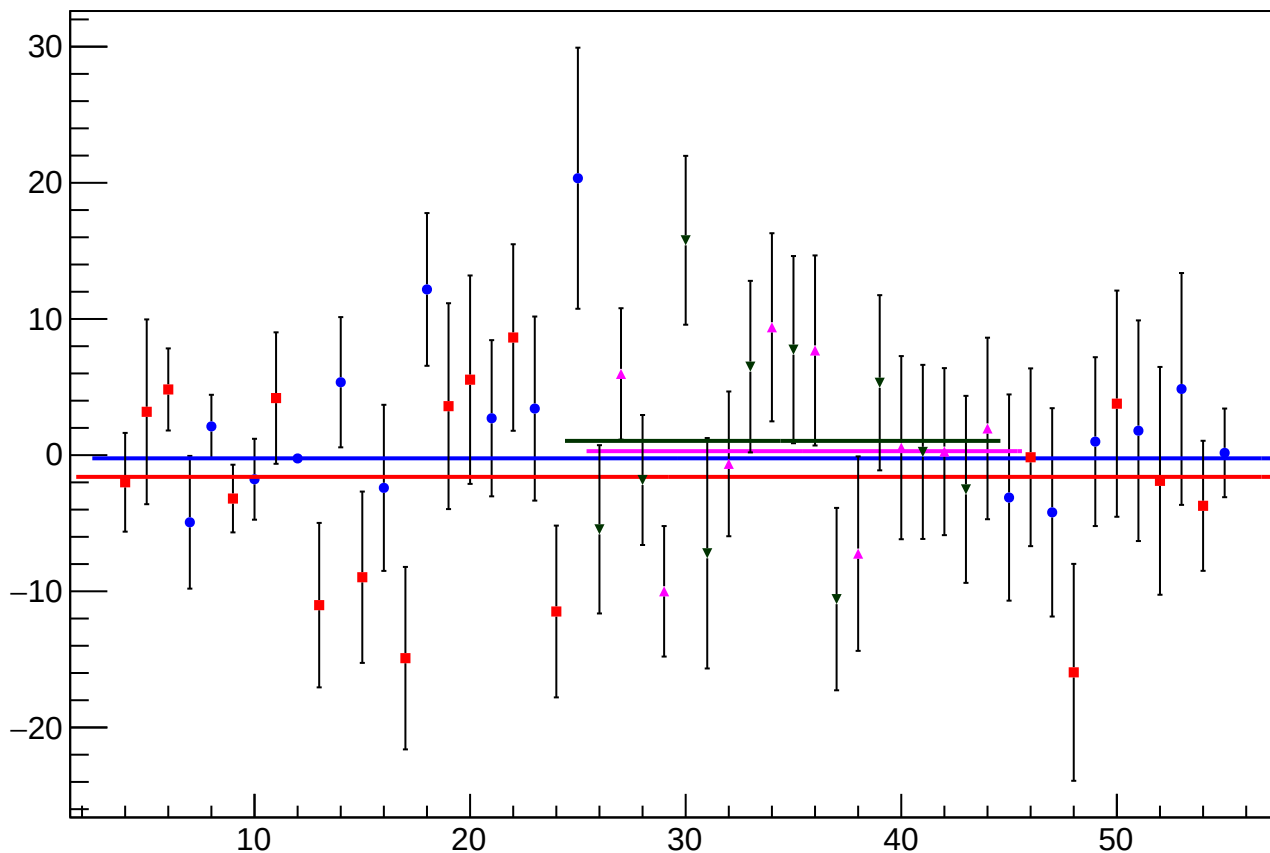
Right Out: 9618.448+/-2.293 χ^2/NDF : 396030.6/16

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

64.764+/-0.075 χ^2/NDF : 29126725.0/25

9733.988+/-1.816 χ^2/NDF : 482968.7/25

diff_bpm4ecY_mean vs slug



Right In: -0.234 ± 0.090 χ^2/NDF : 14.7/15

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

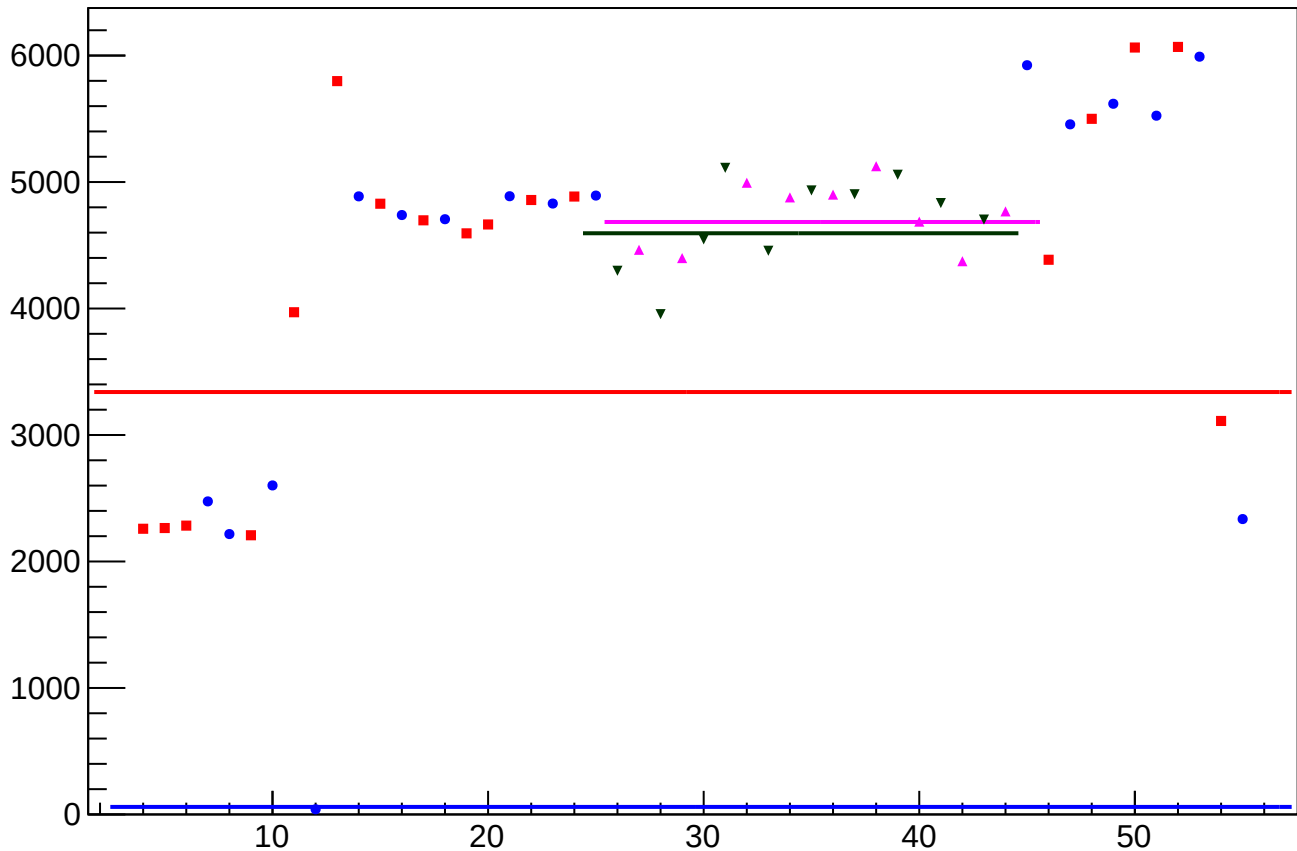
Right Out: -1.596 ± 1.212 χ^2/NDF : 24.6/16

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

-0.231 ± 0.090 χ^2/NDF : 28.6/25

-1.083 ± 1.034 χ^2/NDF : 35.3/25

diff_bpm4ecY_rms vs slug



Right In: 59.625 ± 0.064 $\chi^2/\text{NDF}: 17937411.9/15$

Left Out: 4595.004 ± 1.418 $\chi^2/\text{NDF}: 71786.0/9$

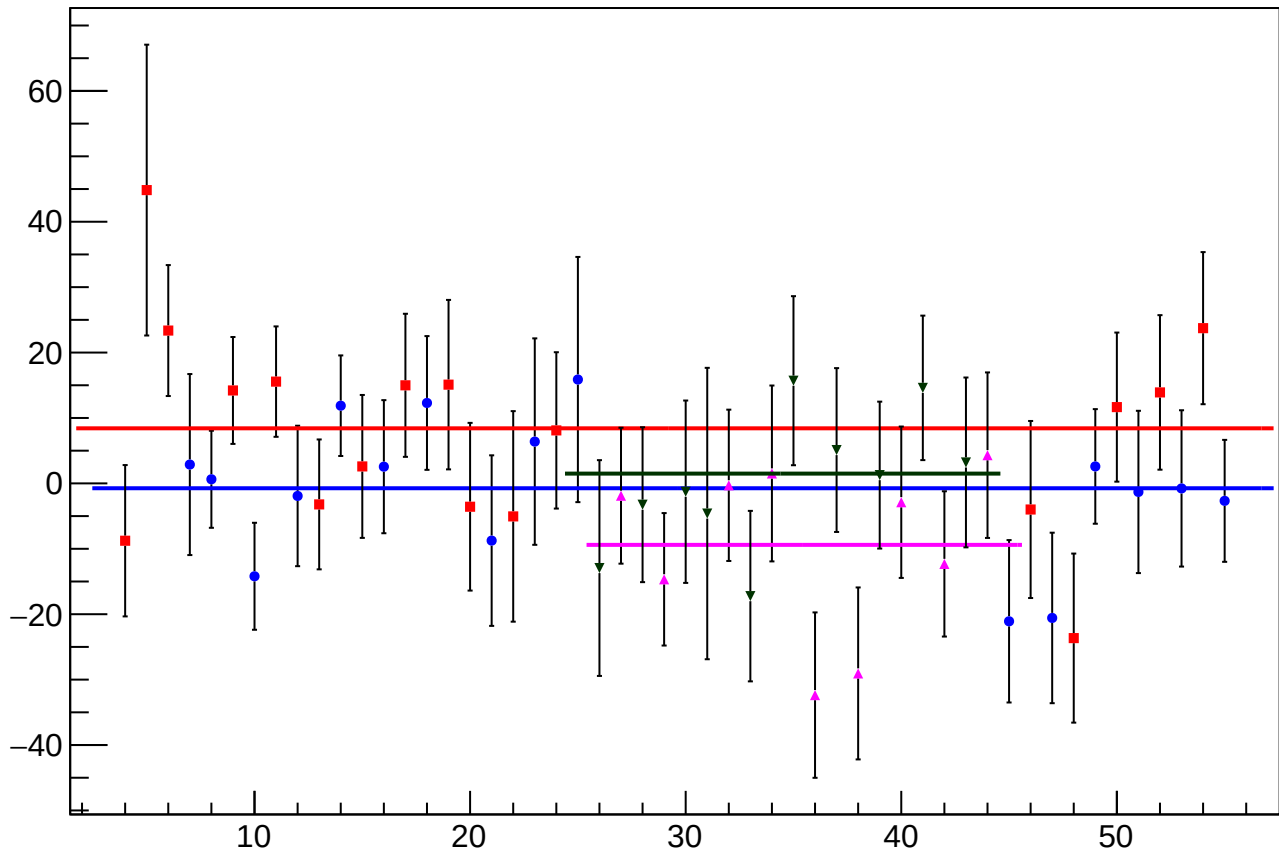
68.720 ± 0.064 $\chi^2/\text{NDF}: 28212857.5/25$

Right Out: 3339.740 ± 0.857 $\chi^2/\text{NDF}: 2412362.9/16$

3705.325 ± 0.731 $\chi^2/\text{NDF}: 3115844.6/25$

Left In: 4684.130 ± 1.403 $\chi^2/\text{NDF}: 34622.6/8$

diff_bpm1X_mean vs slug



Right In: -0.743 ± 2.614 χ^2/NDF : 13.8/15

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

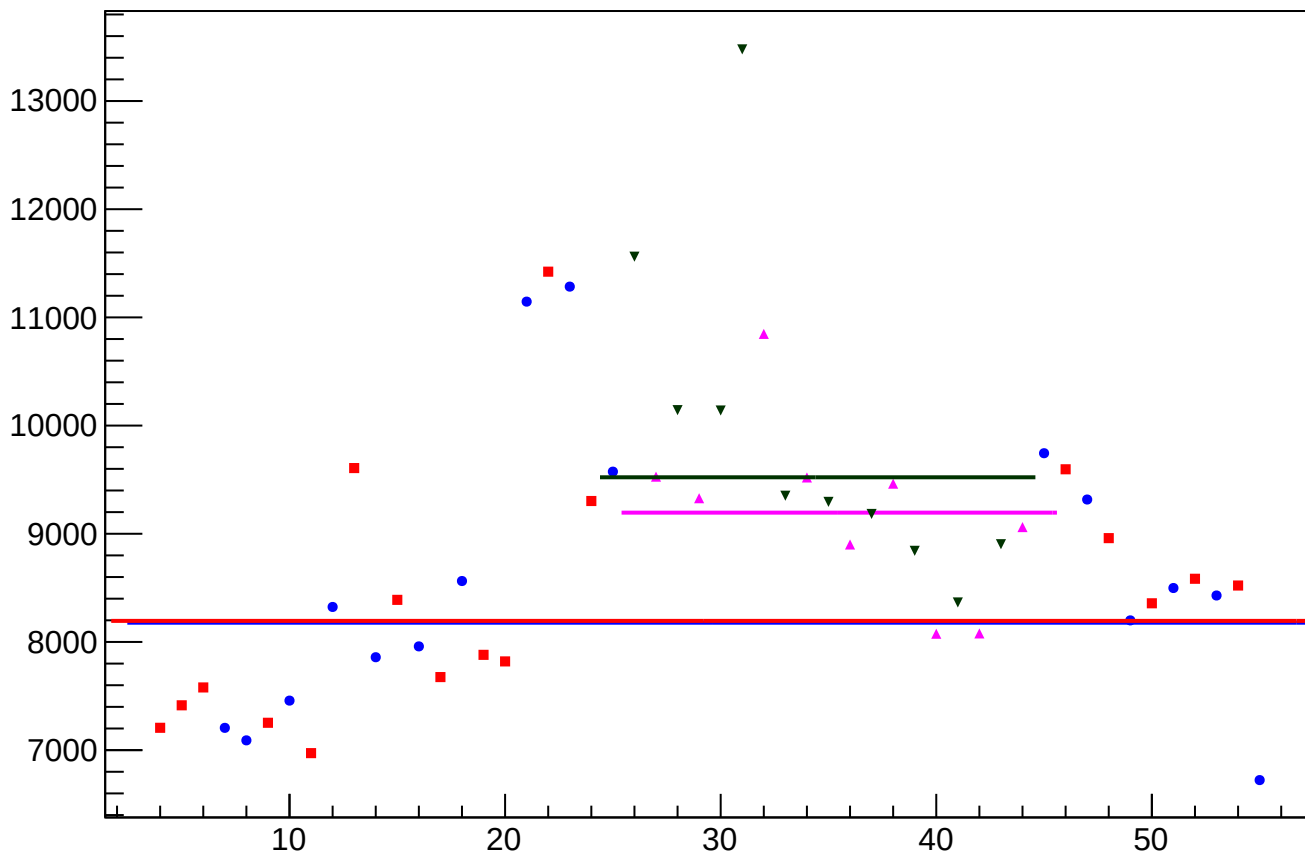
Right Out: 8.418 ± 2.752 χ^2/NDF : 21.2/16

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

-0.105 ± 2.211 χ^2/NDF : 19.8/25

2.485 ± 2.248 χ^2/NDF : 44.4/25

diff_bpm1X_rms vs slug



Right In: 8177.964+/-1.849 χ^2/NDF : 366218.5/15

Left Out: 9522.004+/-2.929 χ^2/NDF :139291.8/9

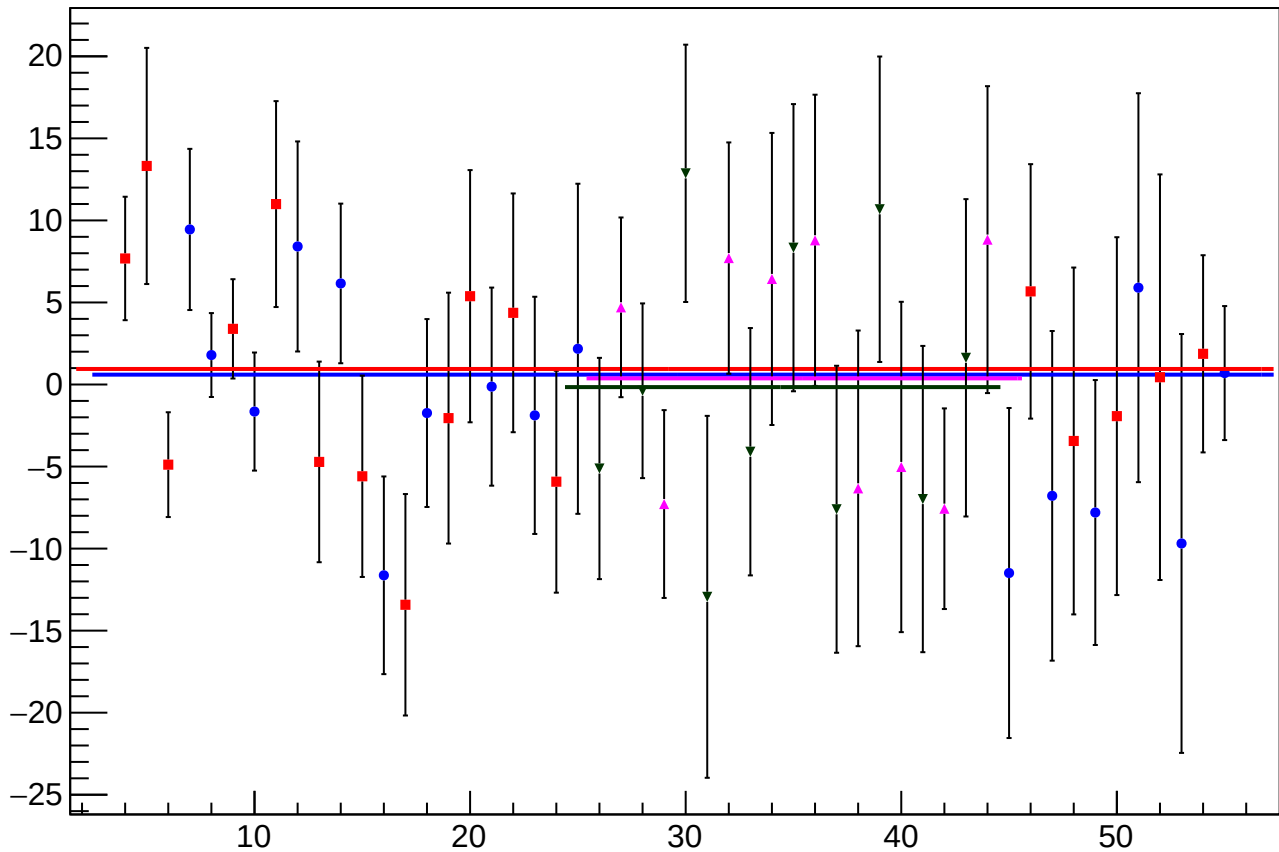
8560.838+/-1.563 χ^2/NDF : 656100.3/25

Right Out: 8194.753+/-1.946 χ^2/NDF : 271908.8/16

8527.909+/-1.590 χ^2/NDF : 445350.6/25

Left In: 9195.242+/-2.755 χ^2/NDF :85448.4/8

diff_bpm1Y_mean vs slug



Right In: 0.601 ± 1.335 χ^2/NDF : 15.0/15

Left Out: -0.158 ± 2.506 χ^2/NDF : 8.5/9

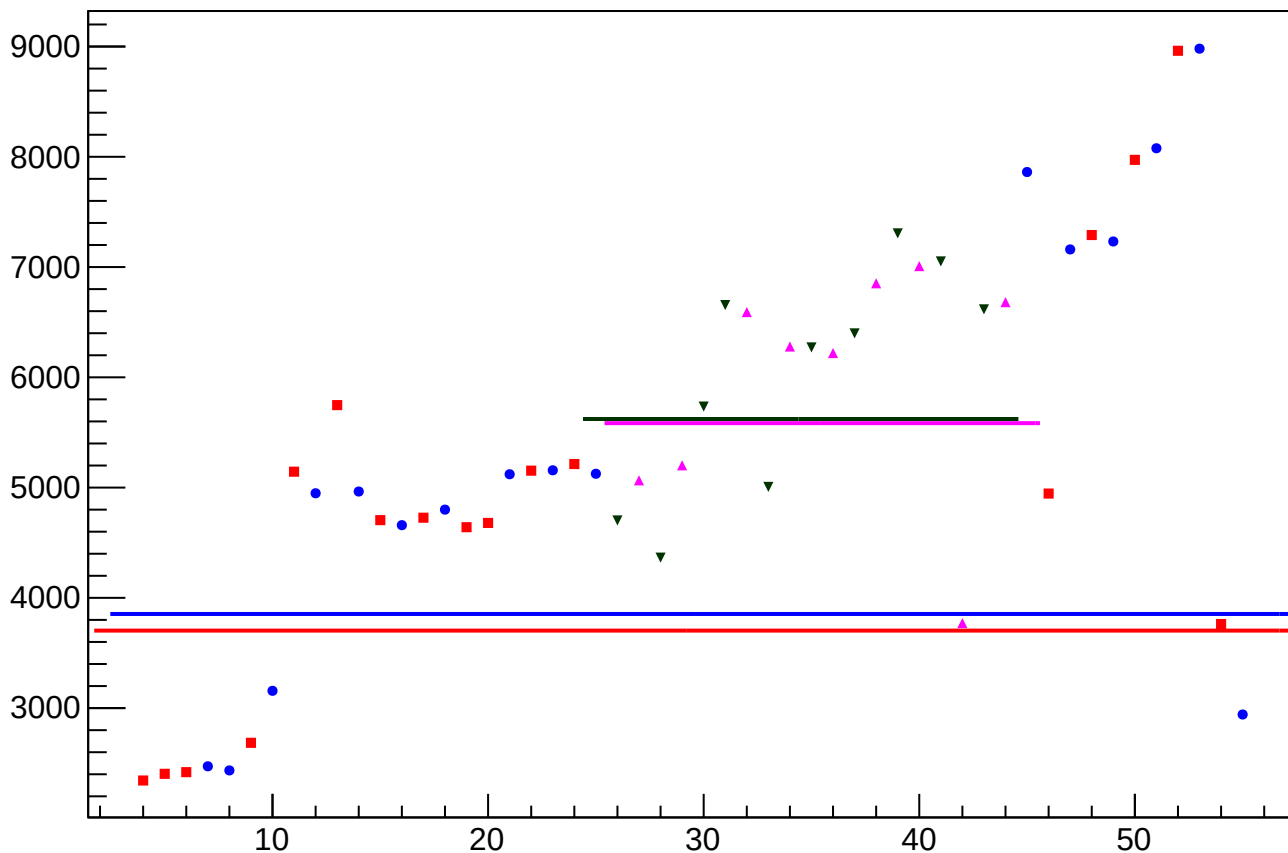
Right Out: 0.947 ± 1.360 χ^2/NDF : 21.6/16

Left In: 0.374 ± 2.438 χ^2/NDF : 8.1/8

0.433 ± 1.178 χ^2/NDF : 23.6/25

0.811 ± 1.187 χ^2/NDF : 29.8/25

diff_bpm1Y_rms vs slug



Right In: 3853.724+/-0.944 χ^2/NDF : 2848350.5/15

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

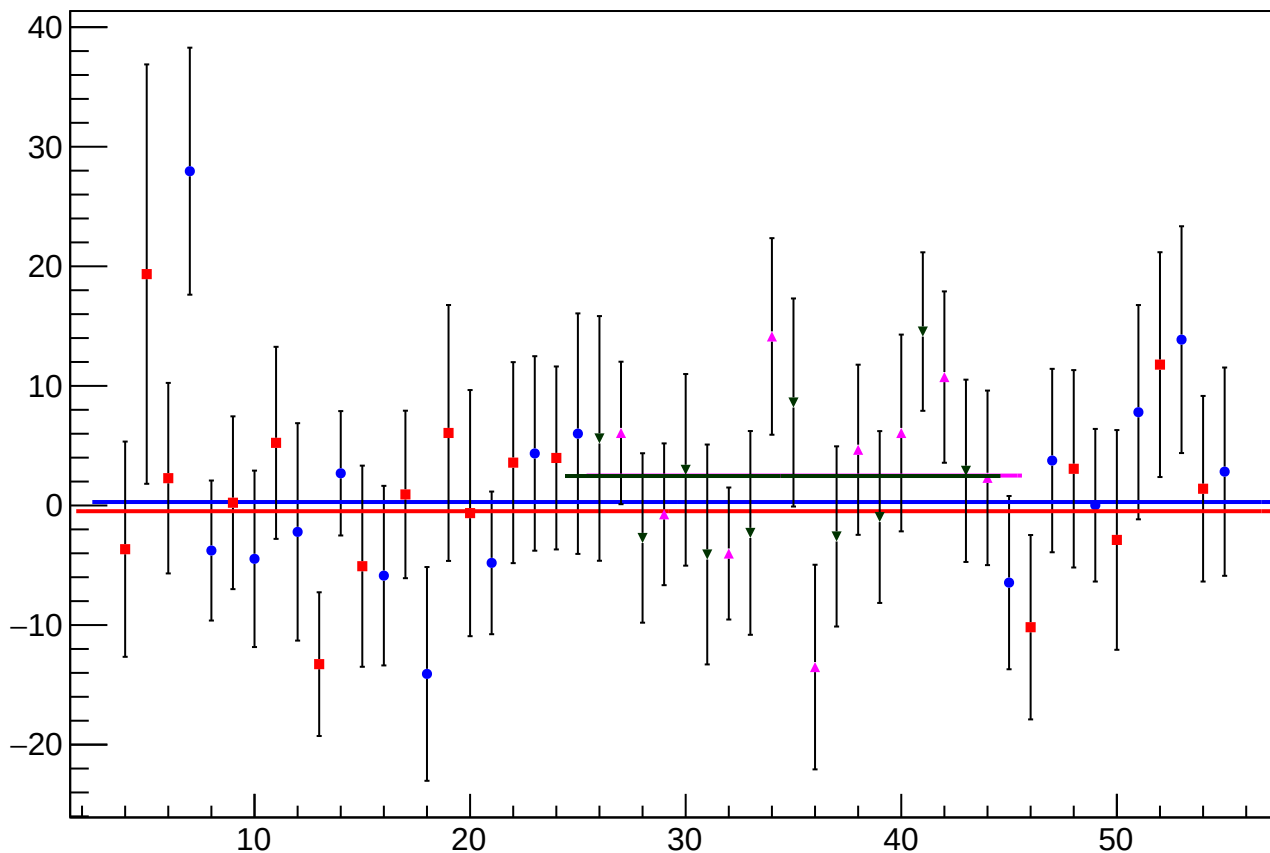
Right Out: 3702.960+/-0.961 χ^2/NDF : 2496895.4/16

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

4244.511+/-0.833 χ^2/NDF : 3964352.2/25

4149.151+/-0.840 χ^2/NDF : 3773551.5/25

diff_bpm11X_mean vs slug



Right In: 0.289 ± 1.868 $\chi^2/\text{NDF}: 16.8/15$

Left Out: 2.463 ± 2.494 $\chi^2/\text{NDF}: 6.0/9$

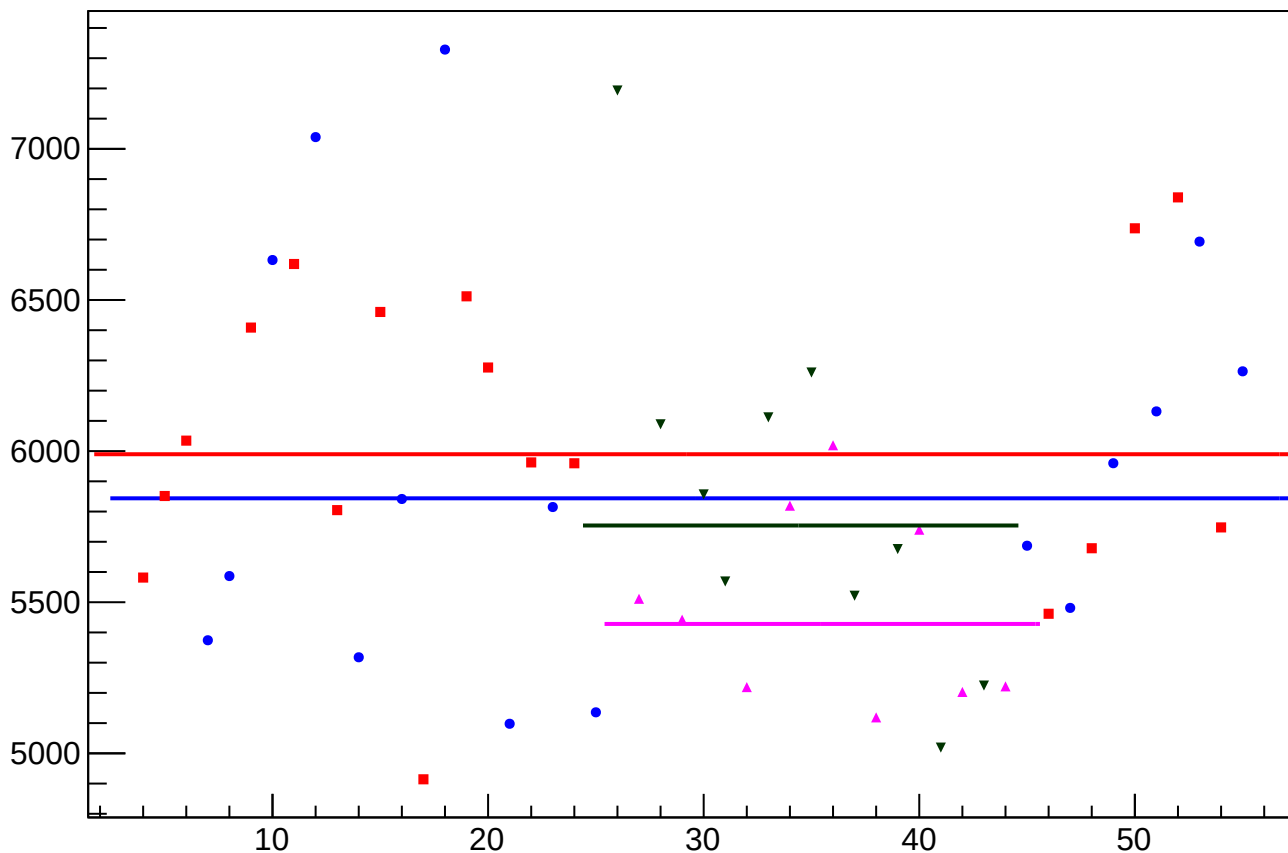
Right Out: -0.480 ± 2.004 $\chi^2/\text{NDF}: 11.4/16$

Left In: 2.501 ± 2.290 $\chi^2/\text{NDF}: 9.2/8$

1.070 ± 1.495 $\chi^2/\text{NDF}: 23.3/25$

0.813 ± 1.508 $\chi^2/\text{NDF}: 21.6/25$

diff_bpm11X_rms vs slug



Right In: 5843.801 $\pm$ 1.321 χ^2 /NDF: 211096.0/15

Left Out: 5753.867 $\pm$ 1.763 χ^2 /NDF:91874.6/9

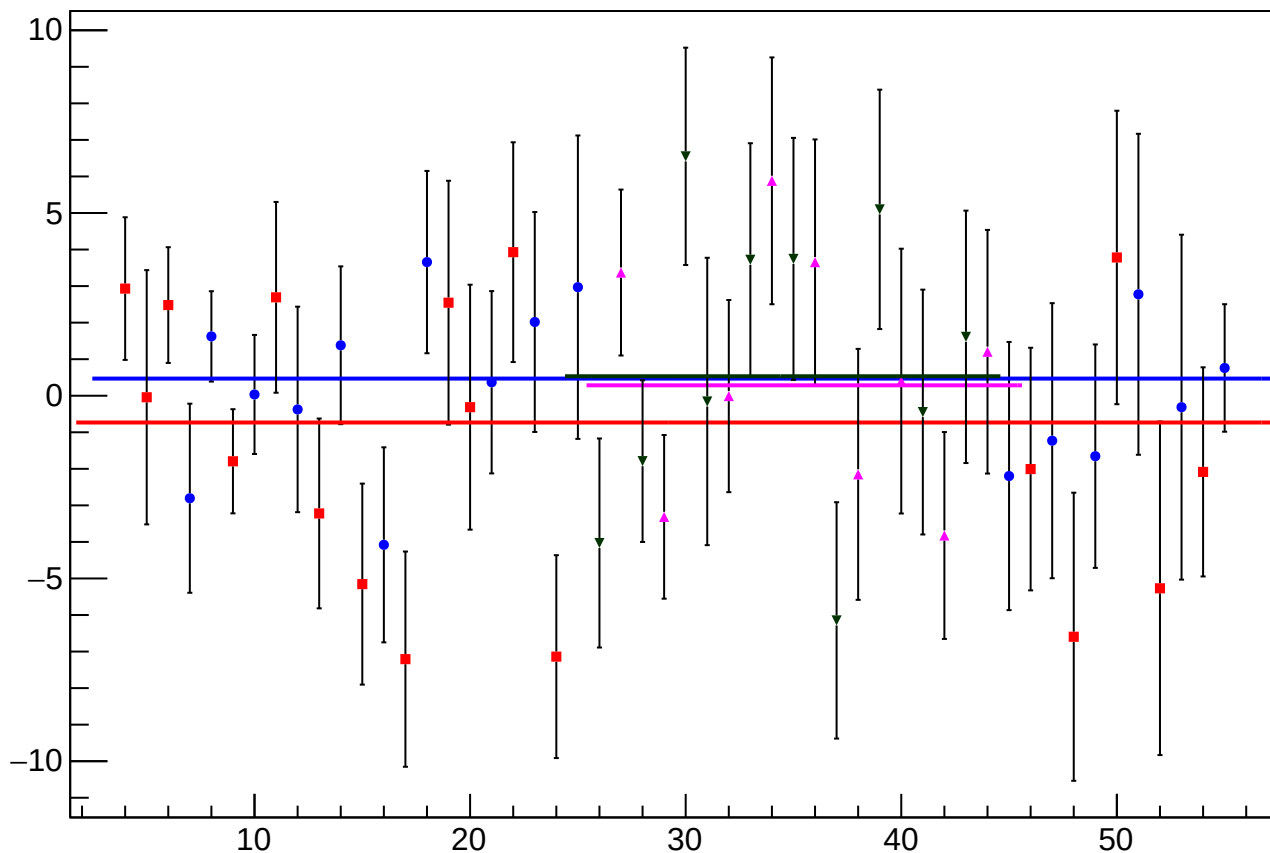
Right Out: 5989.665 $\pm$ 1.417 χ^2 /NDF: 128765.5/16

Left In: 5428.130 $\pm$ 1.619 χ^2 /NDF:27568.5/8

5811.483 $\pm$ 1.057 χ^2 /NDF: 304637.3/25

5746.086 $\pm$ 1.066 χ^2 /NDF: 224425.5/25

diff_bpm11Y_mean vs slug



Right In: 0.469 ± 0.595 χ^2/NDF : 9.5/15

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

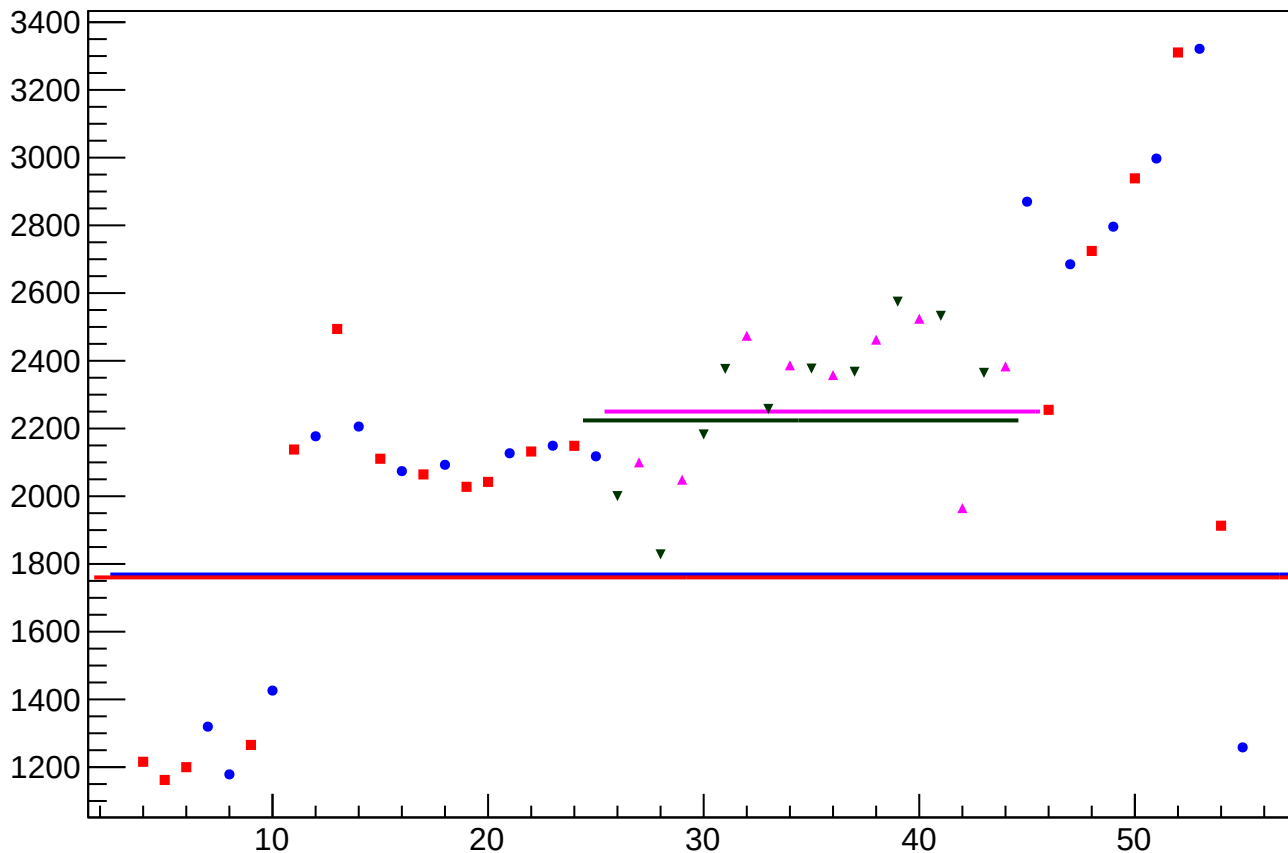
Right Out: -0.732 ± 0.622 χ^2/NDF : 31.8/16

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

0.487 ± 0.507 χ^2/NDF : 25.6/25

-0.431 ± 0.522 χ^2/NDF : 43.5/25

diff_bpm11Y_rms vs slug



Right In: 1768.765+/-0.420 χ^2/NDF : 1945234.6/15

Left Out: 2223.927+/-0.688 χ^2/NDF :131291.4/9

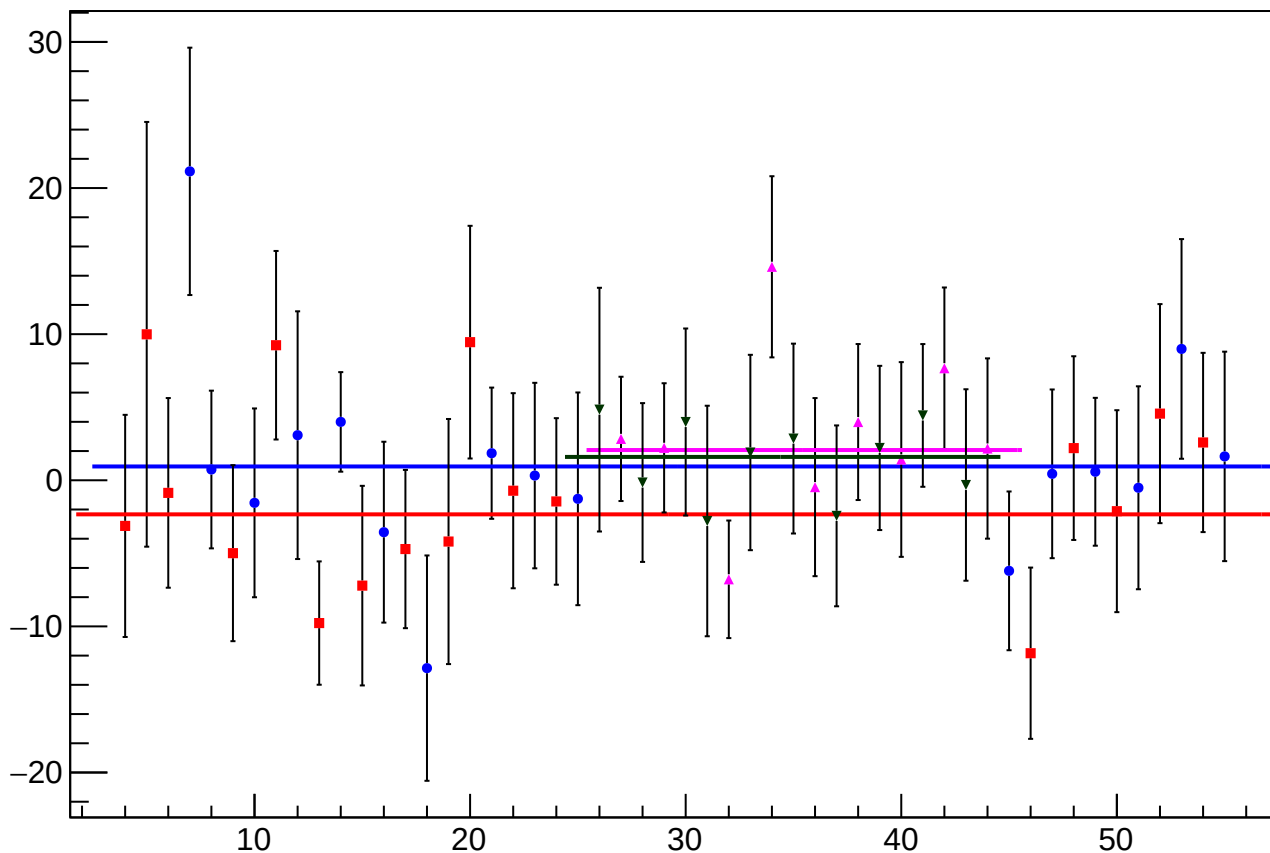
Right Out: 1760.282+/-0.440 χ^2/NDF : 1631483.6/16

Left In: 2250.163+/-0.677 χ^2/NDF :87324.1/8

1892.464+/-0.359 χ^2/NDF : 2395129.1/25

1905.600+/-0.369 χ^2/NDF : 2086952.5/25

diff_bpm12X_mean vs slug



Right In: 0.945 ± 1.460 χ^2/NDF : 13.5/15

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

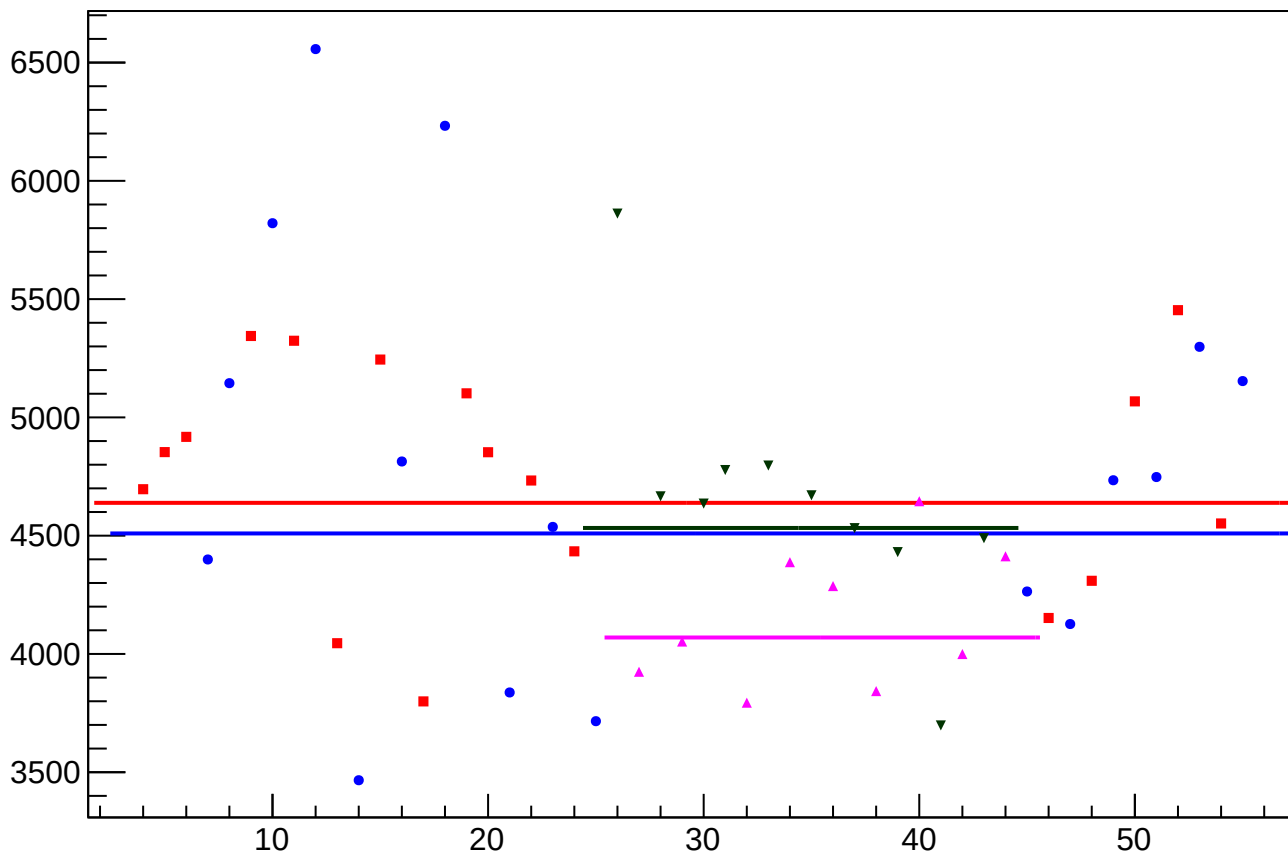
Right Out: -2.332 ± 1.558 χ^2/NDF : 15.0/16

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

1.177 ± 1.173 χ^2/NDF : 15.2/25

-0.349 ± 1.155 χ^2/NDF : 28.9/25

diff_bpm12X_rms vs slug



Right In: 4509.415+/-1.032 χ^2/NDF : 645439.0/15

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

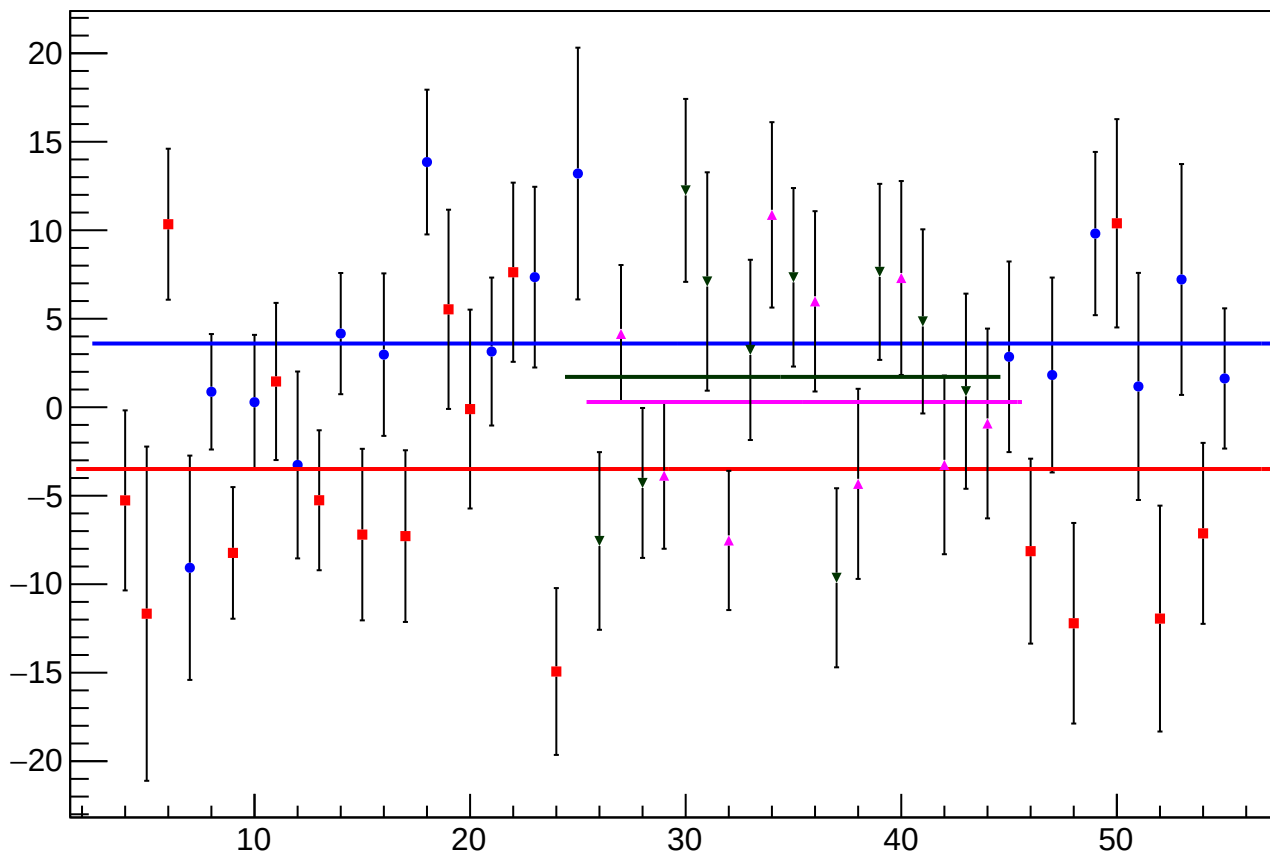
Right Out: 4638.784+/-1.102 χ^2/NDF : 219074.7/16

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

4517.633+/-0.829 χ^2/NDF : 763248.7/25

4382.314+/-0.817 χ^2/NDF : 383972.8/25

diff_bpm12Y_mean vs slug



Right In: 3.600 ± 1.149 χ^2/NDF : 18.5/15

Left Out: 1.714 ± 1.609 χ^2/NDF : 18.5/9

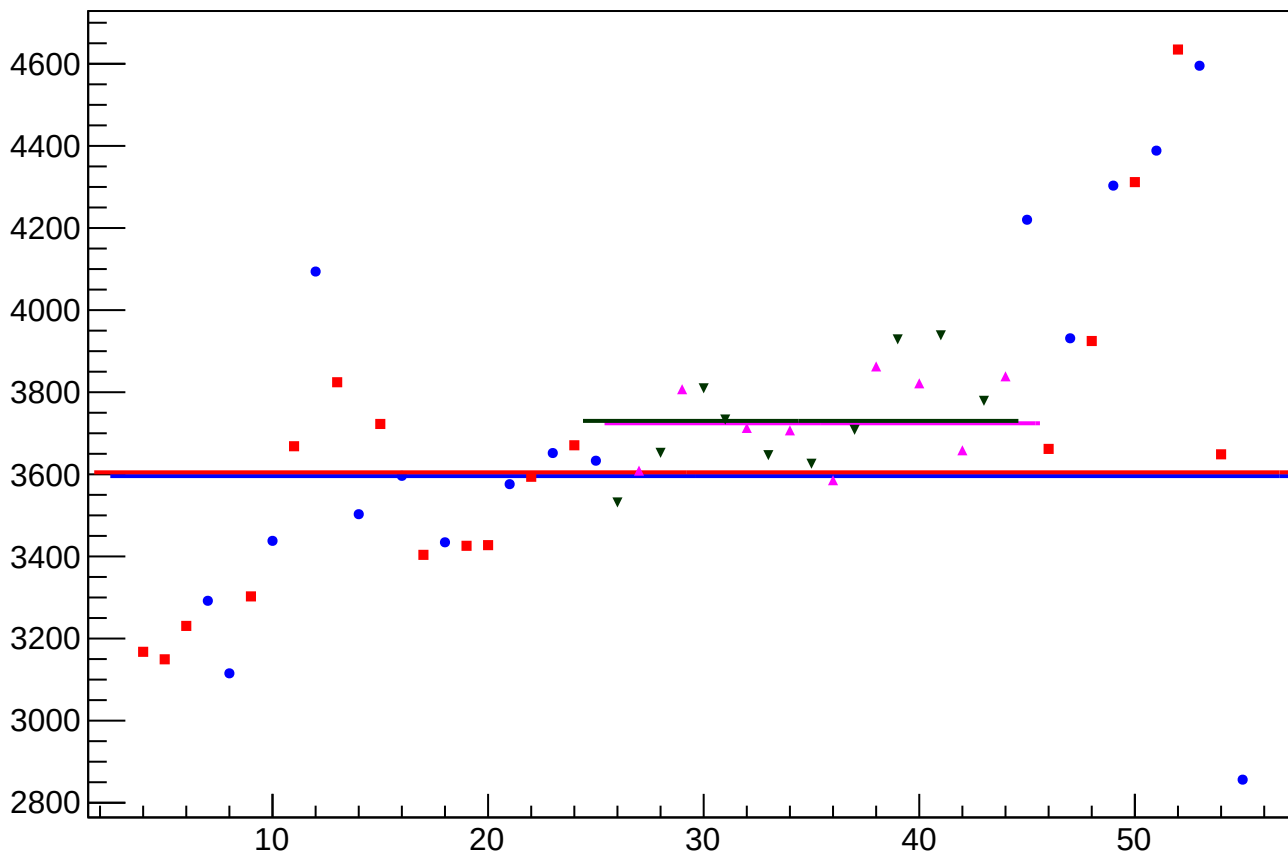
Right Out: -3.491 ± 1.210 χ^2/NDF : 40.3/16

Left In: 0.295 ± 1.569 χ^2/NDF : 14.2/8

2.963 ± 0.935 χ^2/NDF : 37.9/25

-2.080 ± 0.958 χ^2/NDF : 58.1/25

diff_bpm12Y_rms vs slug



Right In: 3595.726 $\pm$ 0.812 χ^2 /NDF: 302679.4/15

Left Out: 3730.162 $\pm$ 1.138 χ^2 /NDF:12266.4/9

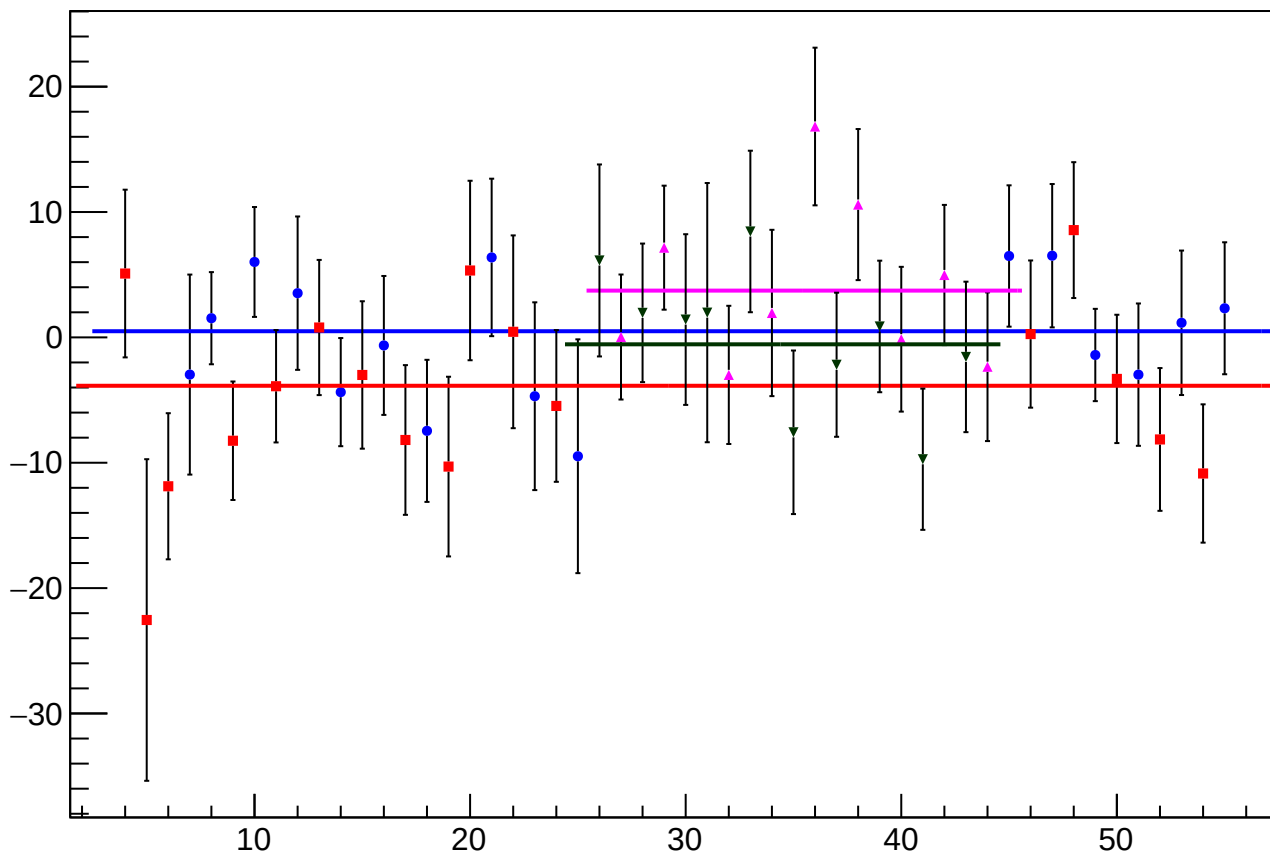
Right Out: 3604.910 $\pm$ 0.855 χ^2 /NDF: 151308.0/16

Left In: 3724.365 $\pm$ 1.110 χ^2 /NDF:7290.6/8

3641.123 $\pm$ 0.661 χ^2 /NDF: 324195.1/25

3649.428 $\pm$ 0.677 χ^2 /NDF: 165868.8/25

diff_bpm16X_mean vs slug



Right In: 0.491 ± 1.320 χ^2/NDF : 10.9/15

Left Out: -0.553 ± 1.983 χ^2/NDF : 7.1/9

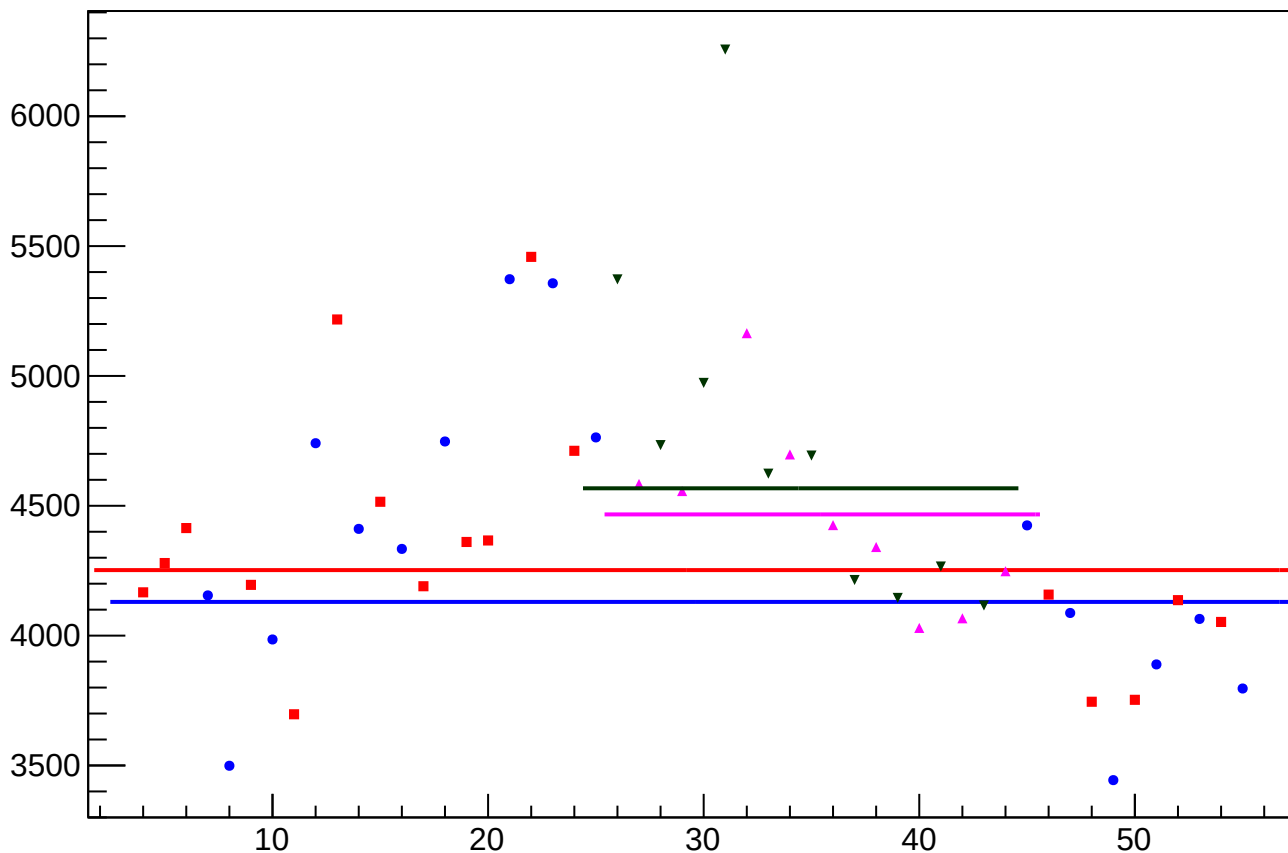
Right Out: -3.860 ± 1.426 χ^2/NDF : 18.7/16

Left In: 3.732 ± 1.890 χ^2/NDF : 9.8/8

0.171 ± 1.099 χ^2/NDF : 18.1/25

-1.106 ± 1.138 χ^2/NDF : 38.8/25

diff_bpm16X_rms vs slug



Right In: 4129.844+/-0.934 χ^2/NDF : 344259.0/15

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

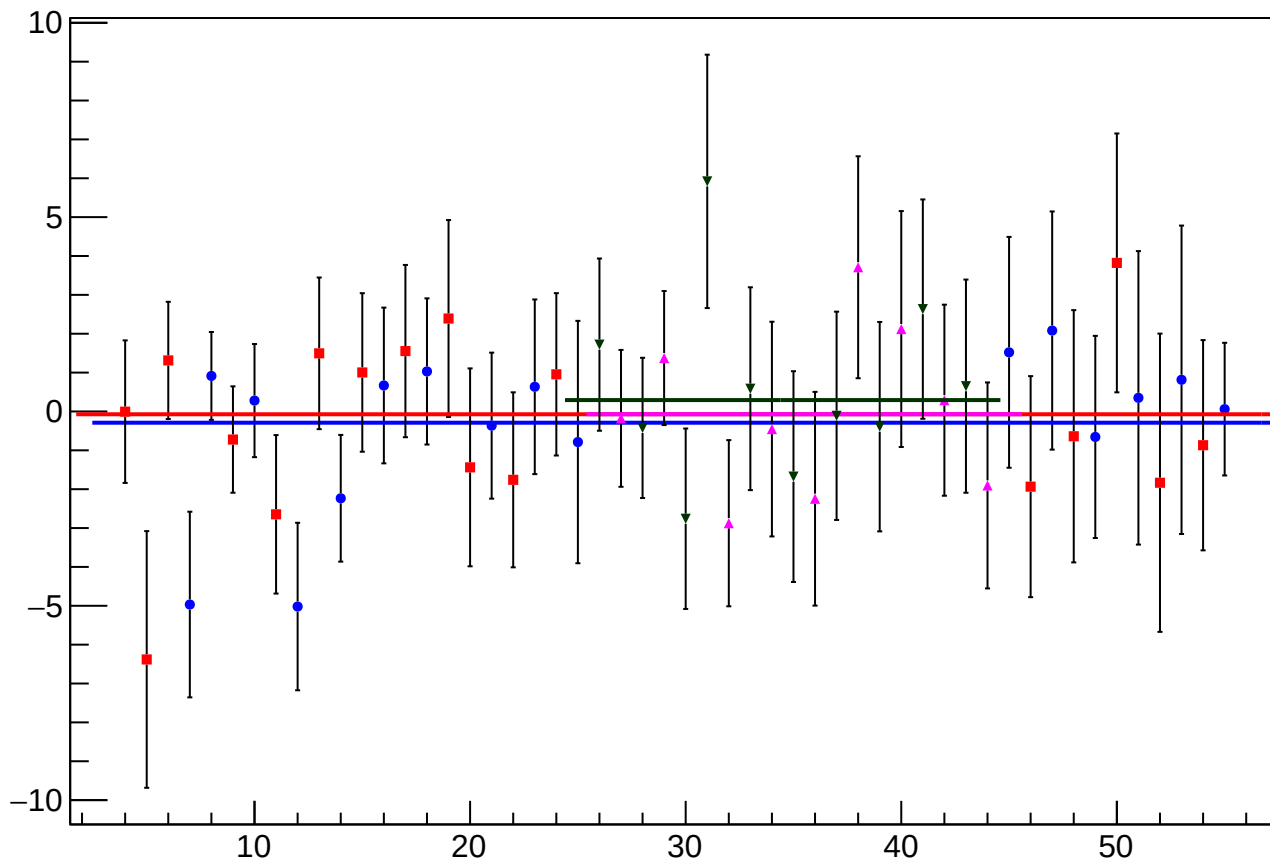
4264.161+/-0.777 χ^2/NDF : 534509.1/25

Right Out: 4252.312+/-1.008 χ^2/NDF : 203373.9/16

4330.098+/-0.805 χ^2/NDF : 281416.8/25

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

diff_bpm16Y_mean vs slug



Right In: -0.289 ± 0.501 χ^2/NDF : 13.4/15

Left Out: 0.293 ± 0.788 χ^2/NDF : 6.6/9

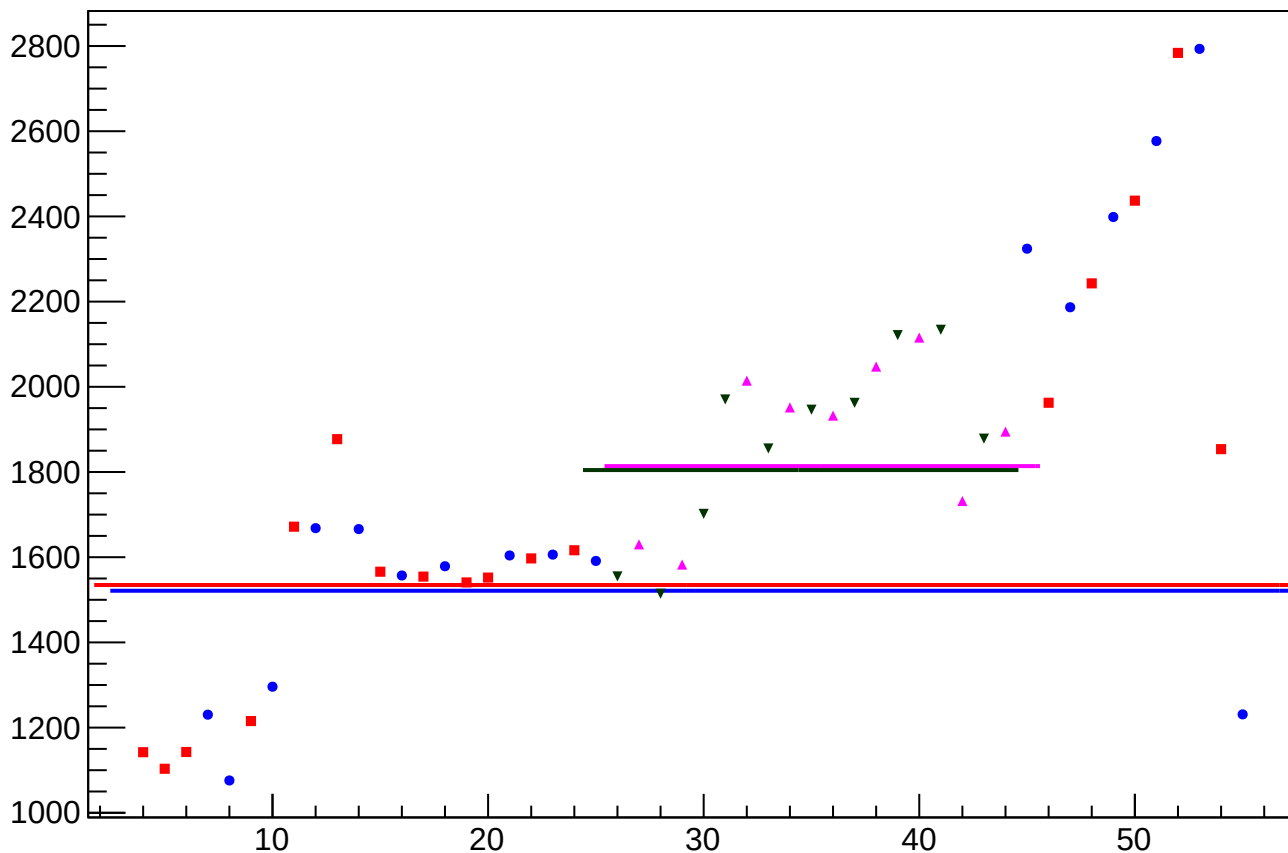
Right Out: -0.072 ± 0.530 χ^2/NDF : 11.9/16

Left In: -0.070 ± 0.771 χ^2/NDF : 5.8/8

-0.122 ± 0.423 χ^2/NDF : 20.4/25

-0.072 ± 0.437 χ^2/NDF : 17.8/25

diff_bpm16Y_rms vs slug



Right In: 1521.264+/-0.354 χ^2/NDF : 1310989.1/15

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

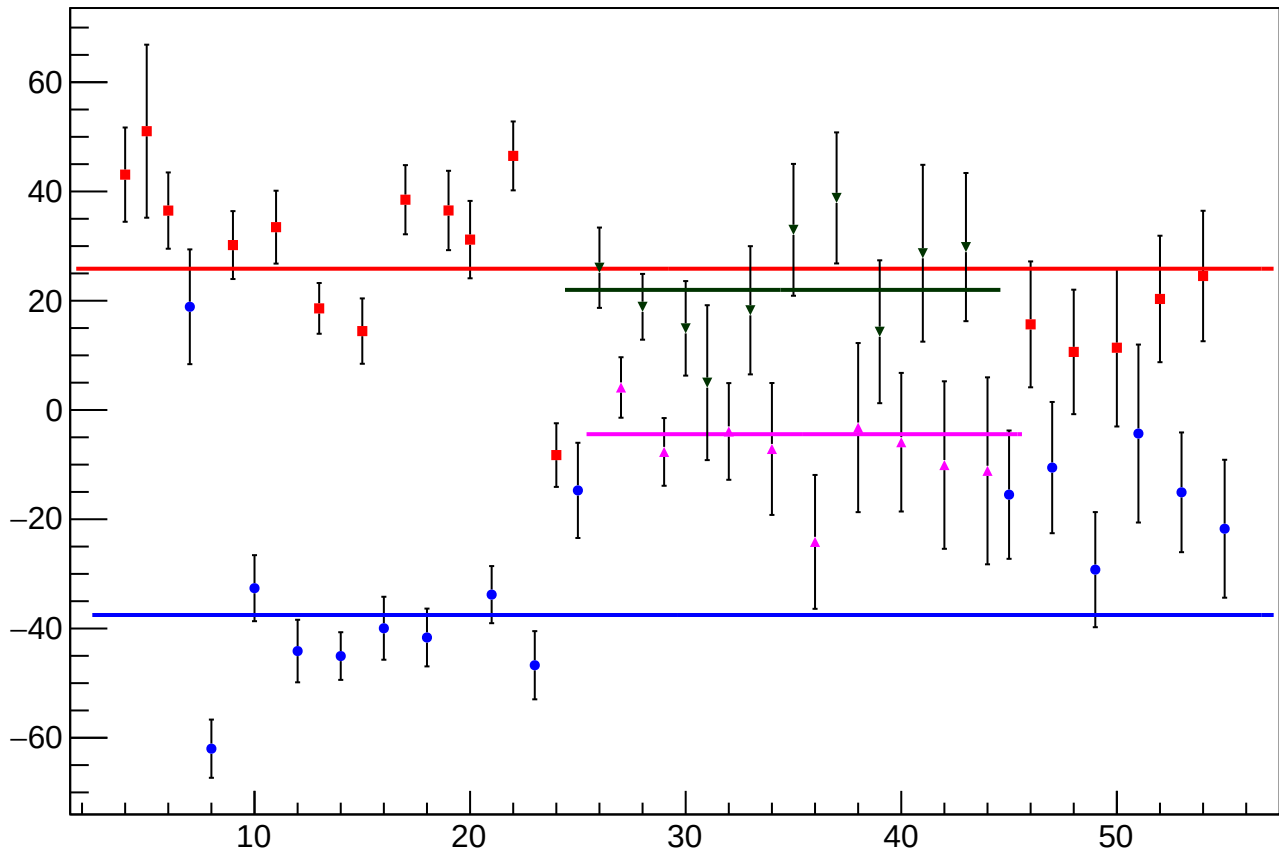
Right Out: 1534.727+/-0.375 χ^2/NDF : 972770.9/16

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

1602.795+/-0.299 χ^2/NDF : 1650715.2/25

1624.226+/-0.309 χ^2/NDF : 1271874.4/25

diff_bpm0l01X_mean vs slug



Right In: -37.524 $\pm$ 1.721 χ^2 /NDF: 84.3/15

Left Out: 21.984 $\pm$ 3.153 χ^2 /NDF: 6.4/9

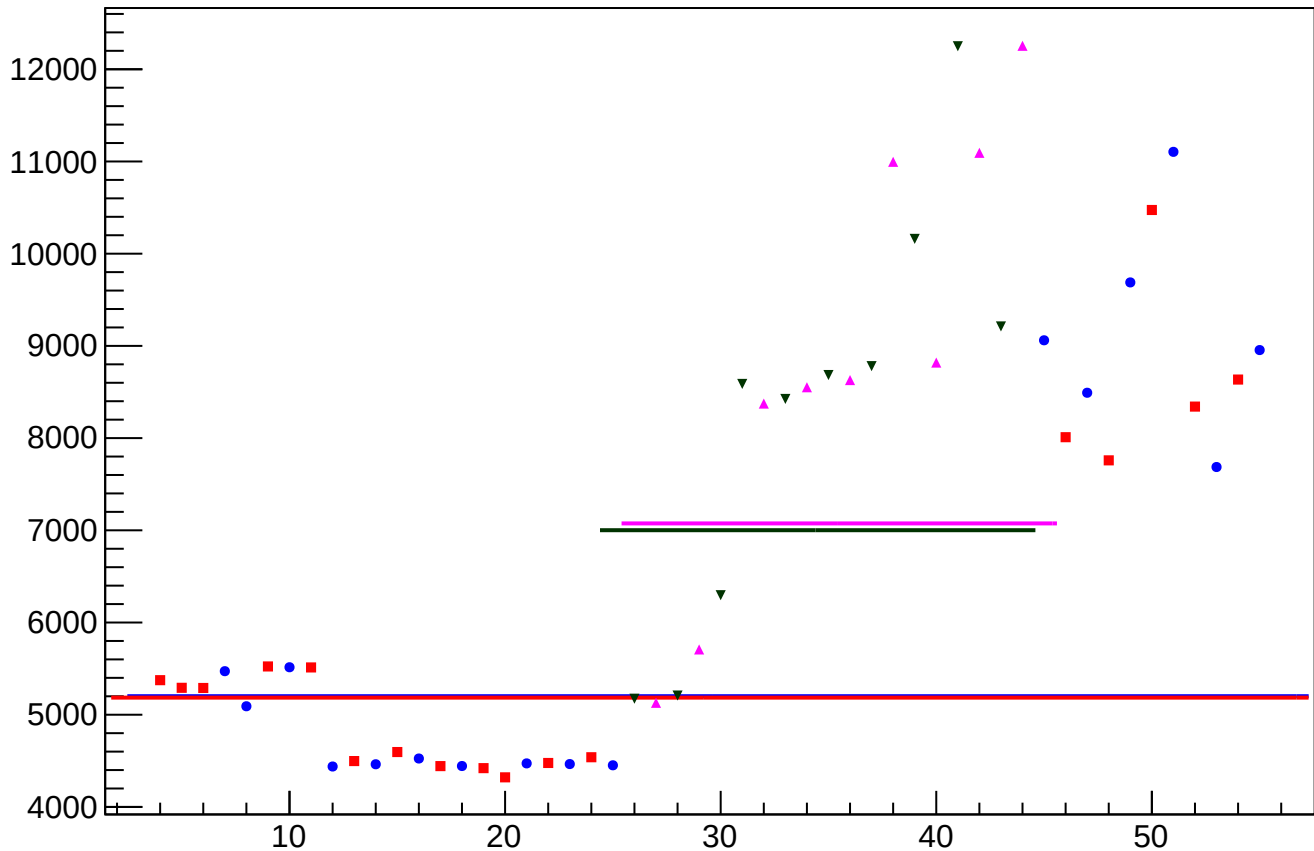
Right Out: 25.861 $\pm$ 1.786 χ^2 /NDF: 72.2/16

Left In: -4.429 $\pm$ 3.116 χ^2 /NDF: 5.6/8

-23.863 $\pm$ 1.511 χ^2 /NDF: 365.2/25

18.371 $\pm$ 1.549 χ^2 /NDF: 149.0/25

diff_bpm0l01X_rms vs slug



Right In: 5201.026+/-1.217 χ^2/NDF : 1521739.4/15

Left Out: 7001.132+/-2.229 χ^2/NDF : 831756.0/9

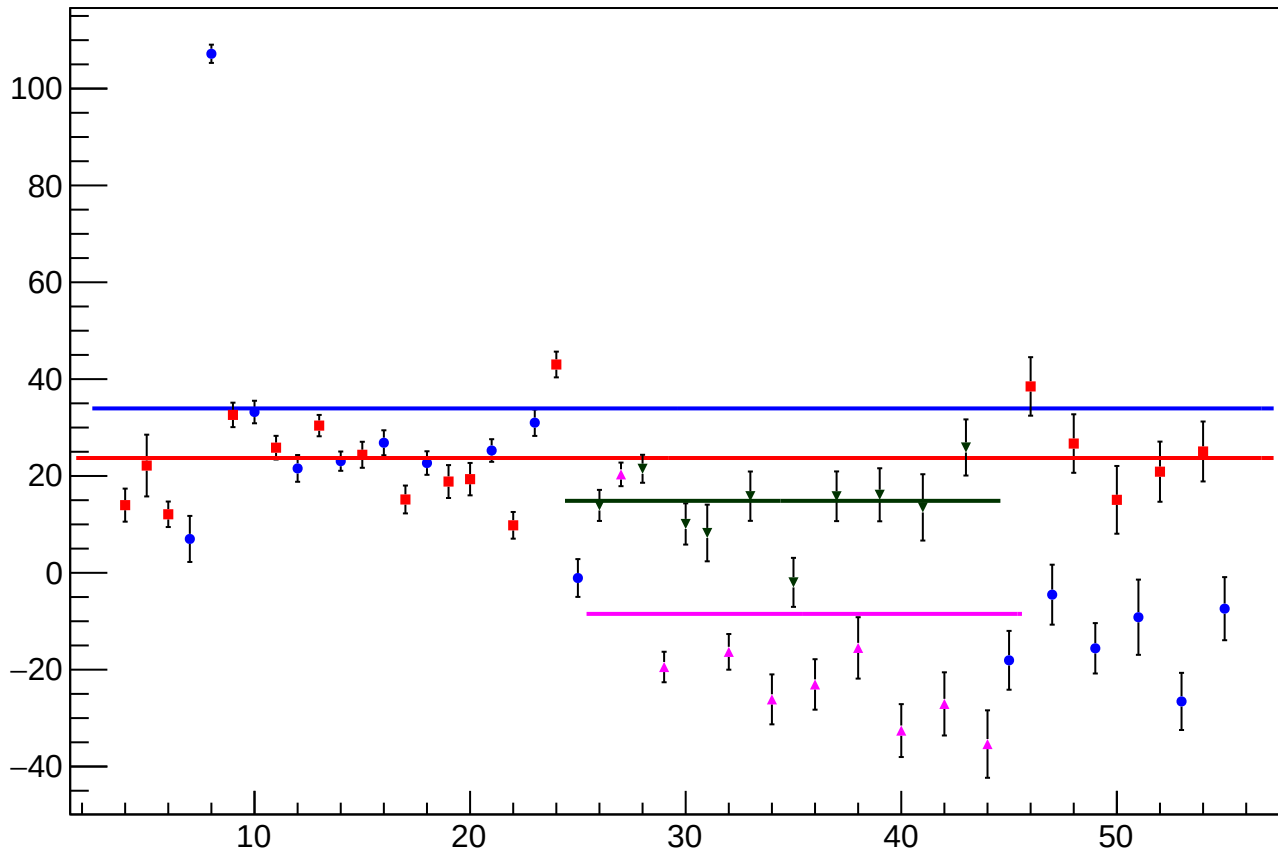
5614.281+/-1.068 χ^2/NDF : 2855799.9/25

Right Out: 5185.476+/-1.263 χ^2/NDF : 1011907.9/16

5652.667+/-1.096 χ^2/NDF : 2501961.5/25

Left In: 7074.809+/-2.203 χ^2/NDF : 936436.4/8

diff_bpm0l01Y_mean vs slug



Right In: 33.951 $\pm$ 0.755 χ^2 /NDF: 2096.3/15

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

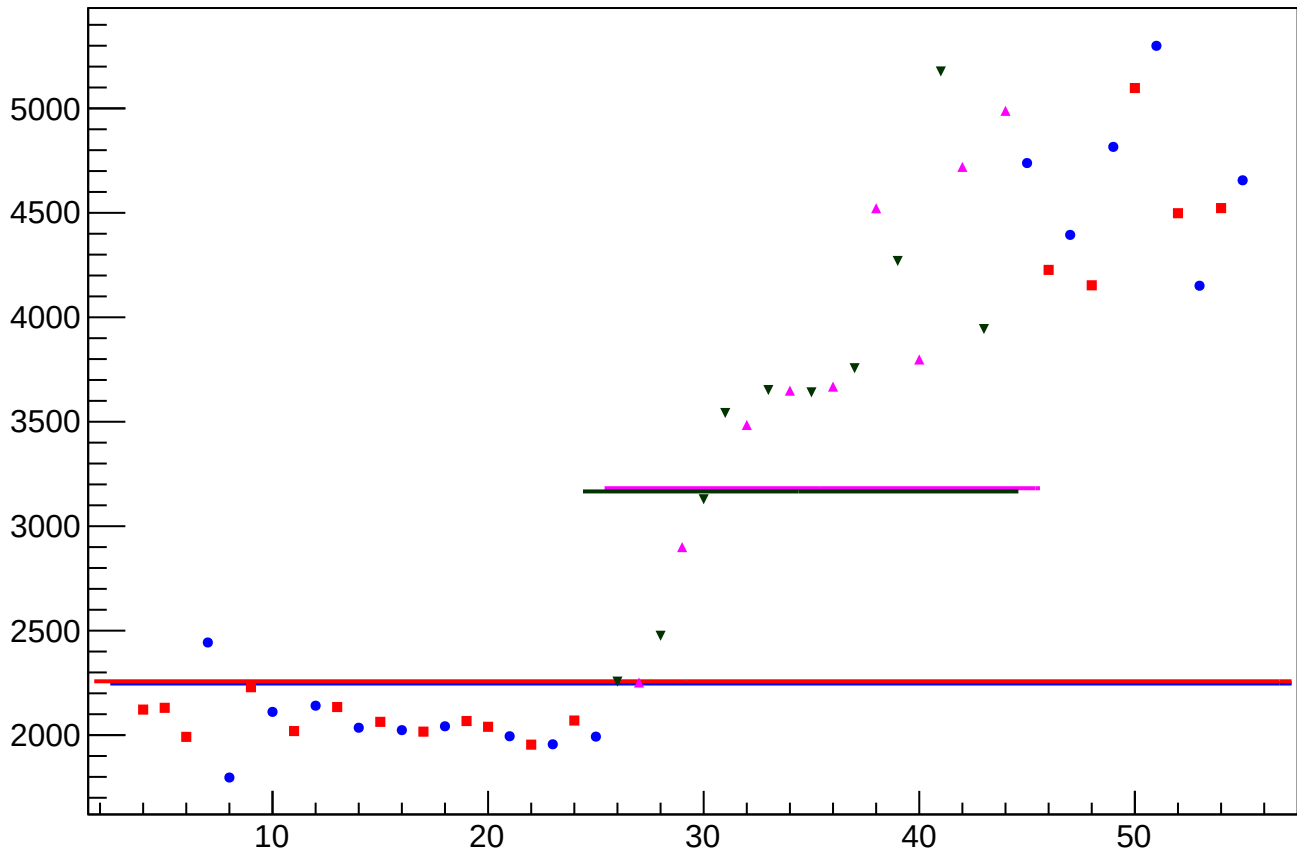
Right Out: 23.712 $\pm$ 0.786 χ^2 /NDF: 148.9/16

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

29.709 $\pm$ 0.666 χ^2 /NDF: 2261.0/25

15.889 $\pm$ 0.684 χ^2 /NDF: 776.8/25

diff_bpm0l01Y_rms vs slug



Right In: 2246.999+/-0.534 χ^2/NDF : 2088600.0/15

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

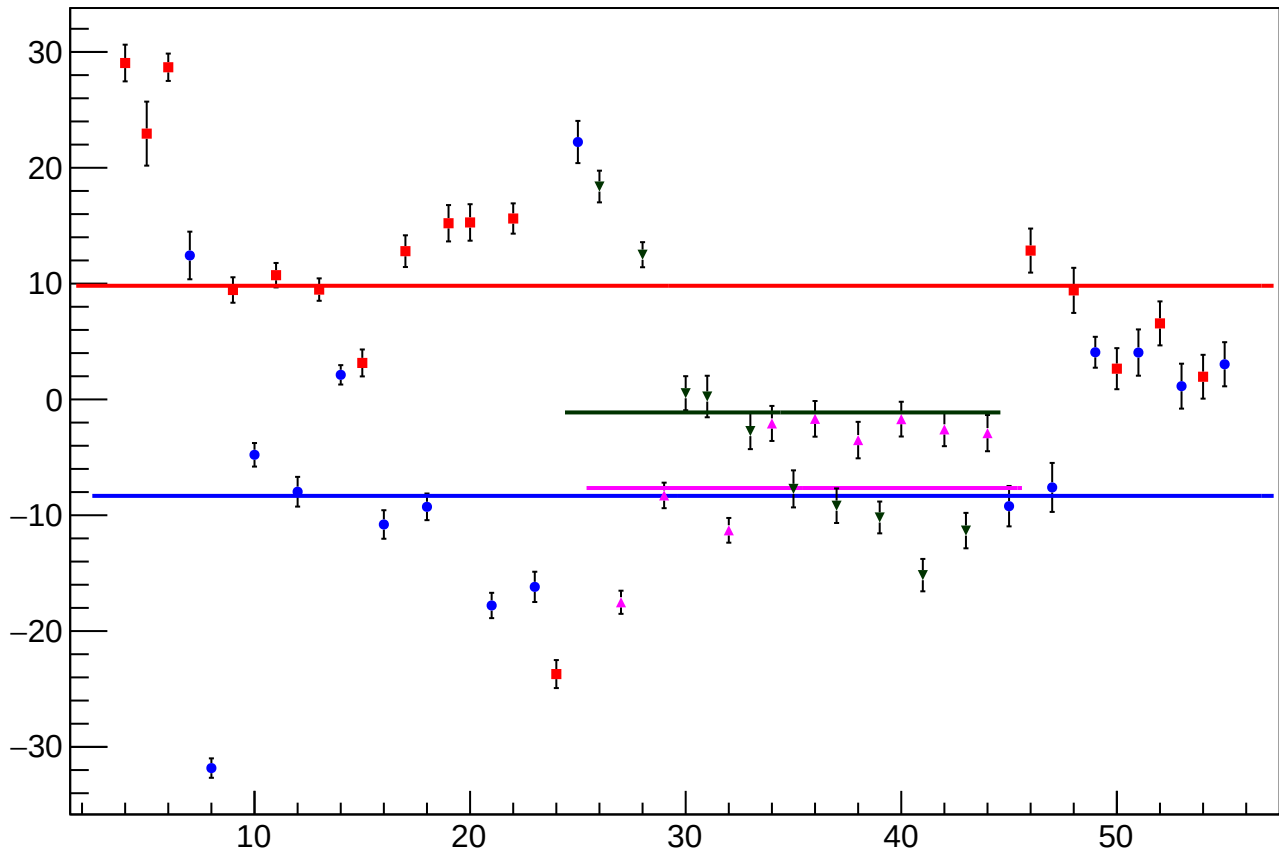
2451.326+/-0.471 χ^2/NDF : 3383433.9/25

Right Out: 2257.570+/-0.556 χ^2/NDF : 1390500.9/16

2482.144+/-0.483 χ^2/NDF : 2778411.7/25

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

diff_bpm2i01X_mean vs slug



Right In: -8.328 ± 0.321 χ^2/NDF : 1635.9/15

Left Out: -1.124 ± 0.453 χ^2/NDF : 599.1/9

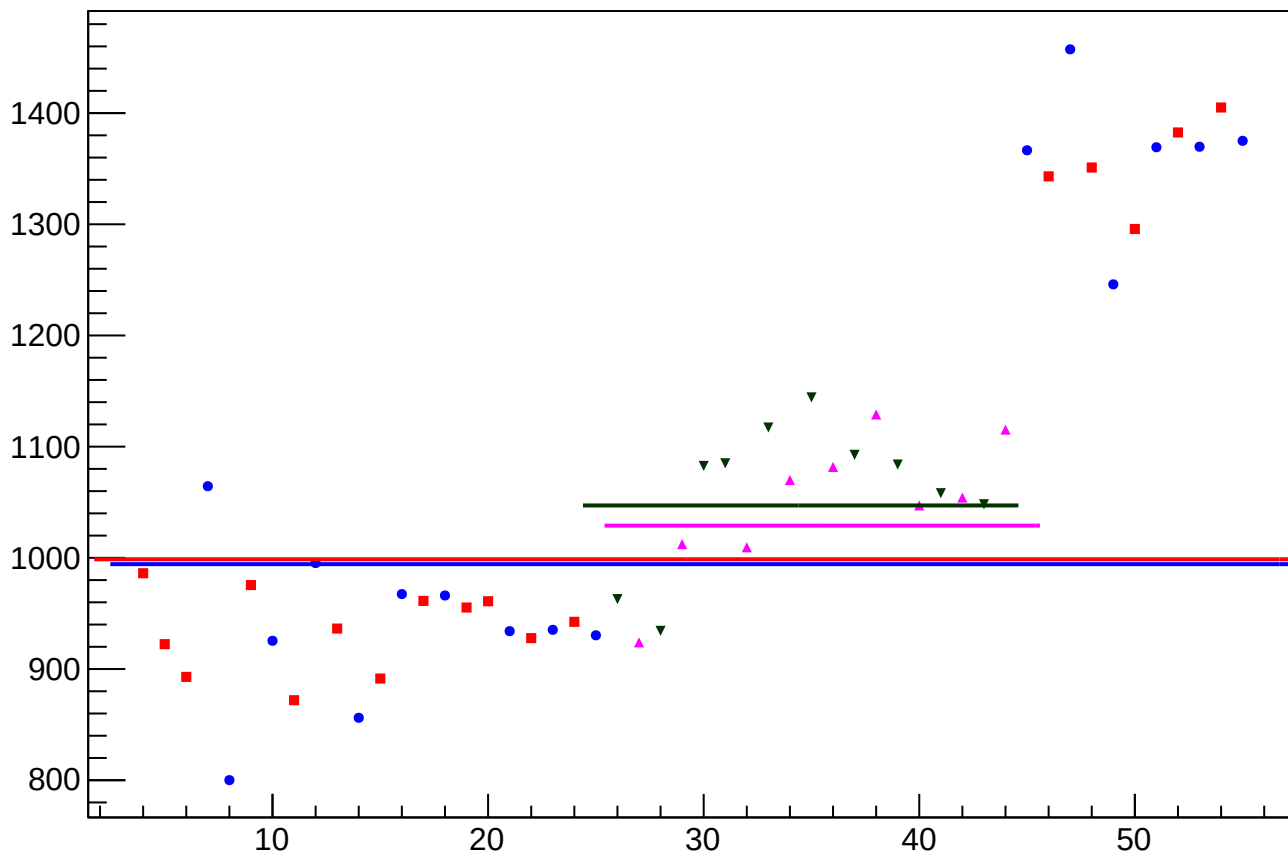
Right Out: 9.813 ± 0.337 χ^2/NDF : 1315.2/16

Left In: -7.649 ± 0.435 χ^2/NDF : 182.1/8

-5.917 ± 0.262 χ^2/NDF : 2403.5/25

3.257 ± 0.266 χ^2/NDF : 2505.5/25

diff_bpm2i01X_rms vs slug



Right In: 994.304+/-0.227 χ^2/NDF : 671180.0/15

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

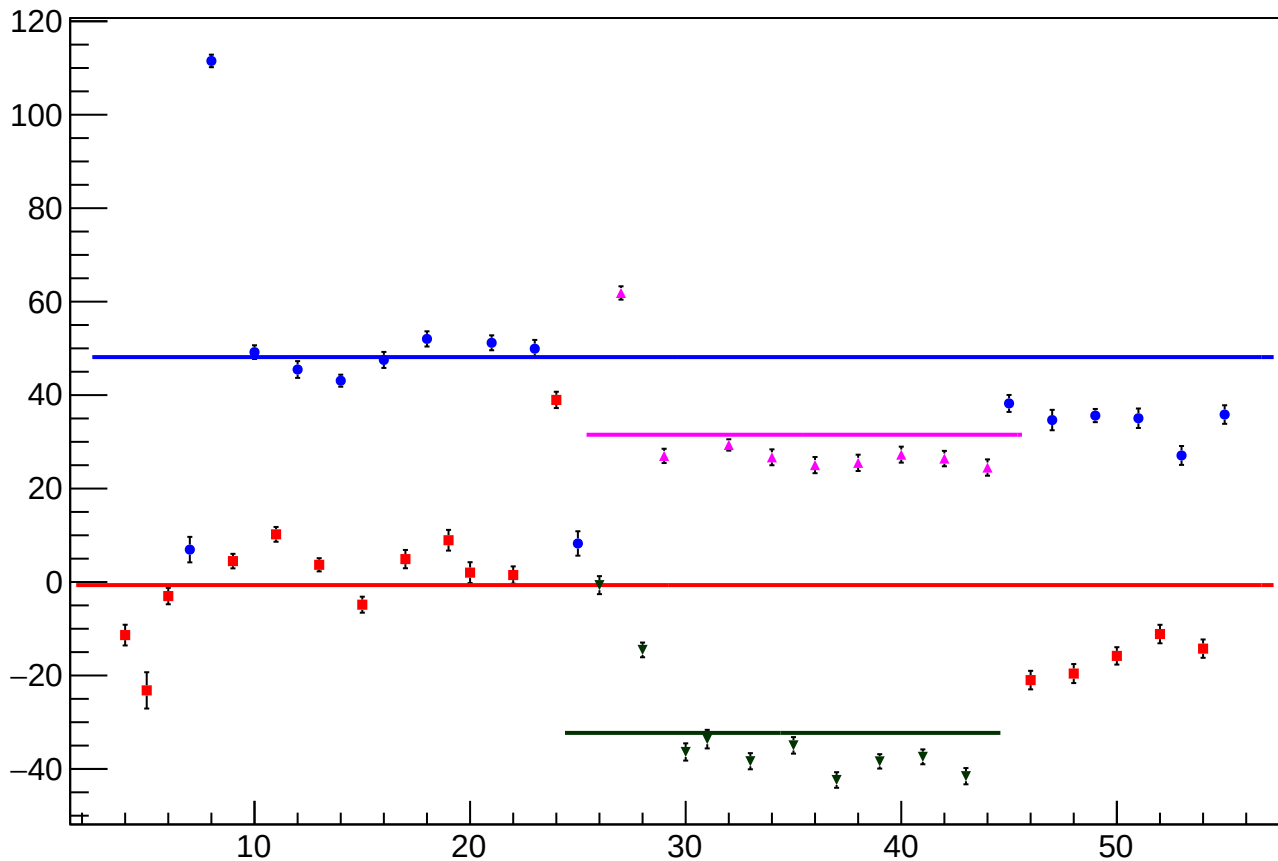
Right Out: 998.699+/-0.238 χ^2/NDF : 448355.7/16

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

1011.977+/-0.185 χ^2/NDF : 735437.1/25

1010.069+/-0.188 χ^2/NDF : 496487.8/25

diff_bpm2i01Y_mean vs slug



Right In: 48.133+/-0.432 χ^2/NDF : 3053.0/15

Left Out: -32.284+/-0.544 χ^2/NDF : 507.1/9

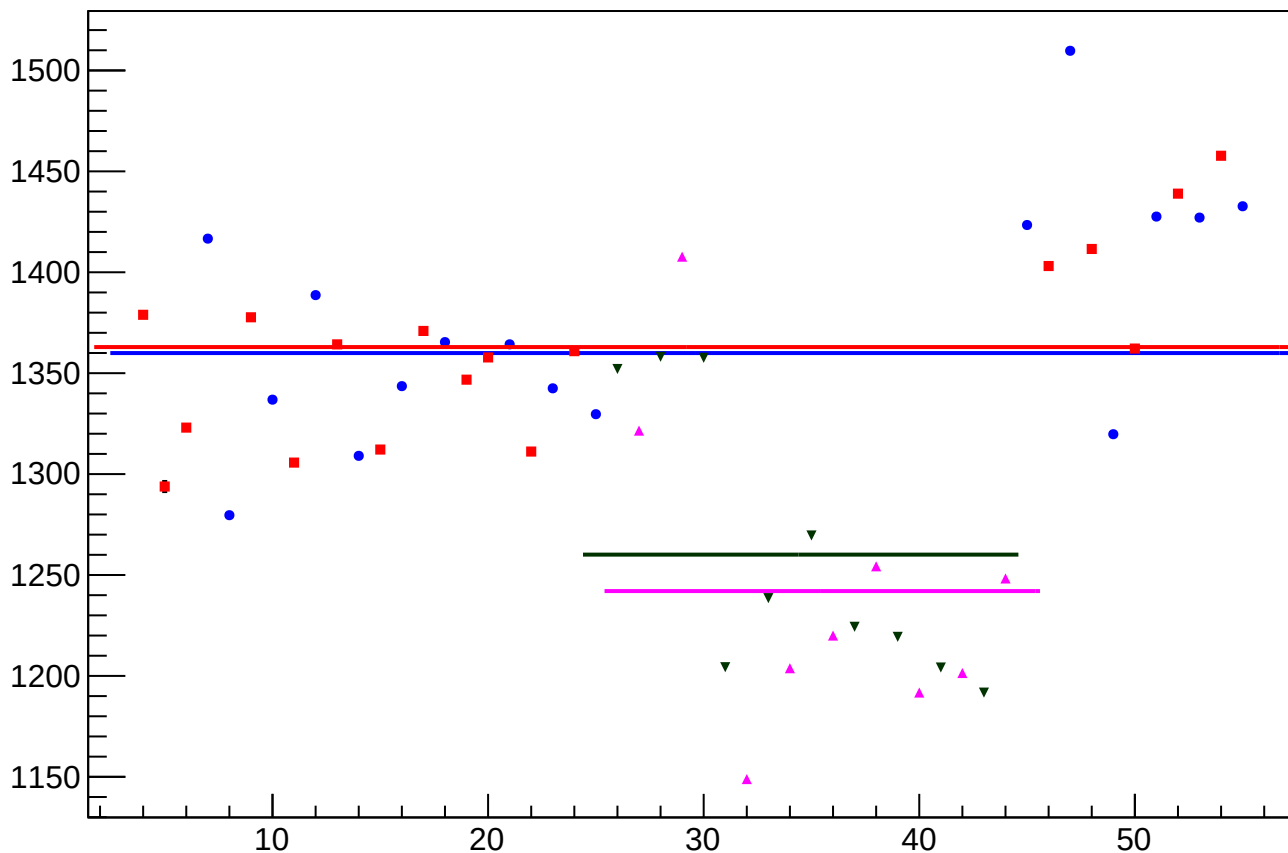
Right Out: -0.656+/-0.455 χ^2/NDF : 1009.6/16

Left In: 31.519+/-0.524 χ^2/NDF : 528.5/8

17.029+/-0.338 χ^2/NDF : 16955.1/25

13.159+/-0.343 χ^2/NDF : 3687.9/25

diff_bpm2i01Y_rms vs slug



Right In: 1359.968 $\pm$ 0.306 χ^2 /NDF: 33319.6/15

Left Out: 1260.097 $\pm$ 0.385 χ^2 /NDF: 27715.7/9

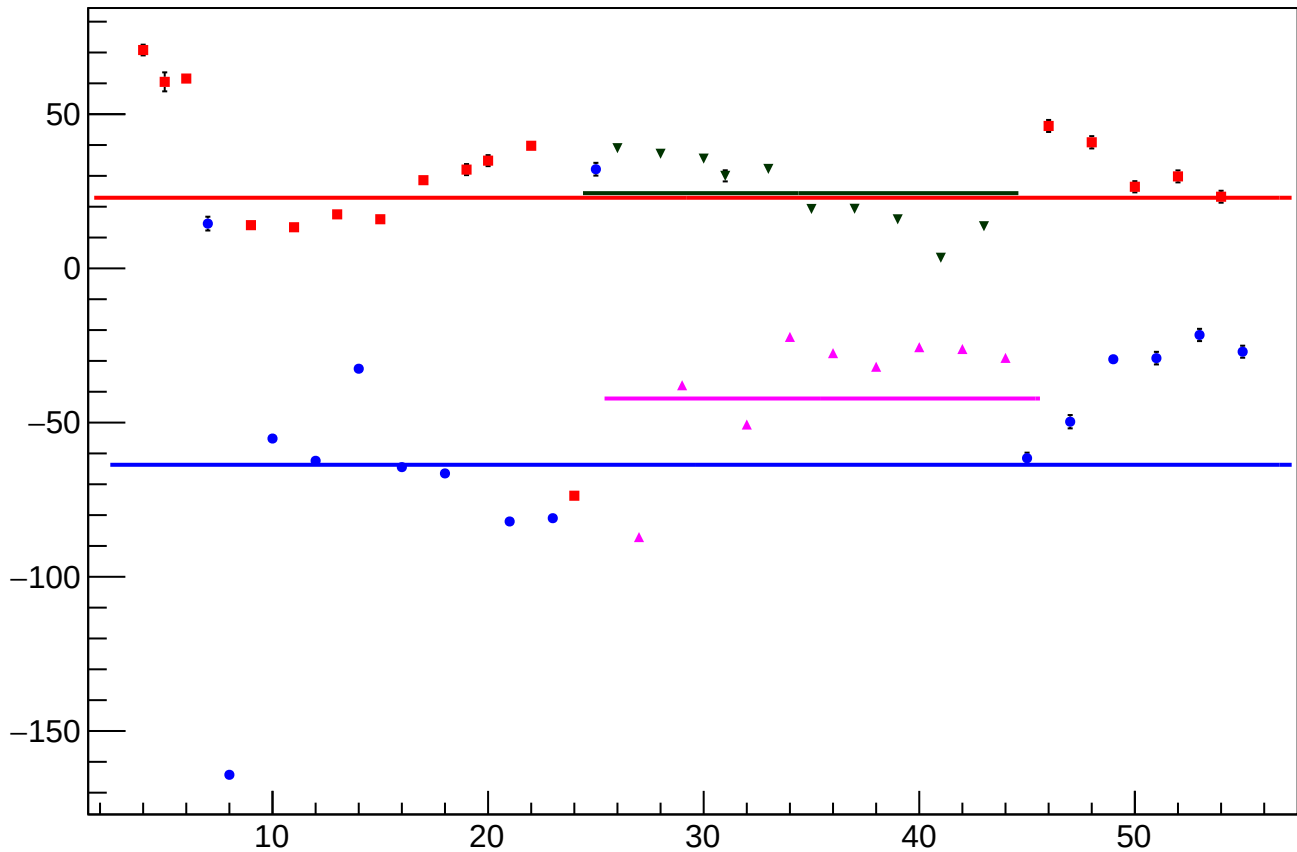
Right Out: 1362.940 $\pm$ 0.322 χ^2 /NDF: 17633.5/16

Left In: 1242.040 $\pm$ 0.371 χ^2 /NDF: 45832.2/8

1321.340 $\pm$ 0.239 χ^2 /NDF: 102354.6/25

1311.032 $\pm$ 0.243 χ^2 /NDF: 124174.2/25

diff_bpm2i02X_mean vs slug



Right In: -63.681+/-0.358 χ^2/NDF : 17203.2/15

Left Out: 24.394+/-0.474 χ^2/NDF : 609.0/9

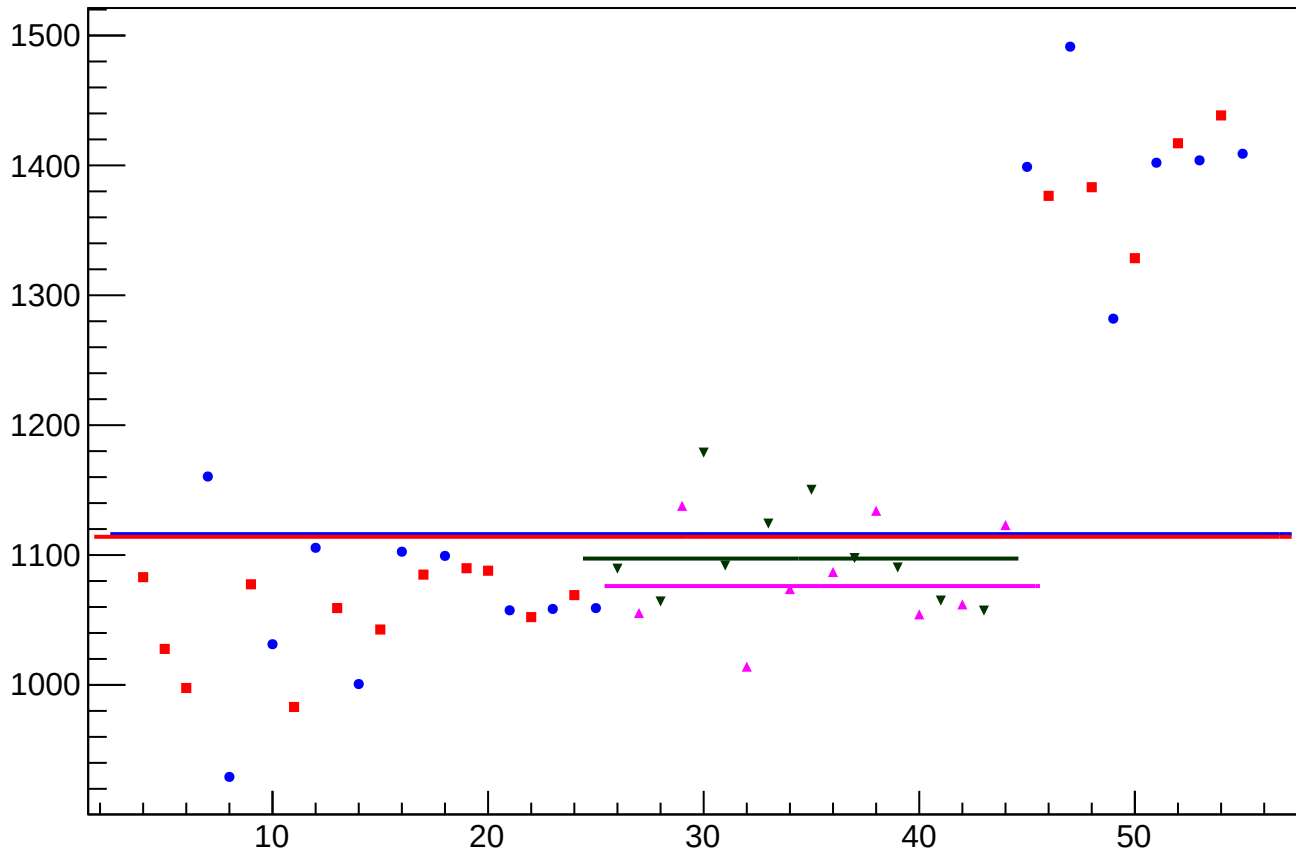
-31.690+/-0.285 χ^2/NDF : 39838.8/25

Right Out: 22.904+/-0.374 χ^2/NDF : 7349.0/16

-3.408+/-0.289 χ^2/NDF : 21844.7/25

Left In: -42.193+/-0.454 χ^2/NDF : 2243.7/8

diff_bpm2i02X_rms vs slug



Right In: 1116.101 $\pm$ 0.253 χ^2 /NDF: 388671.8/15

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

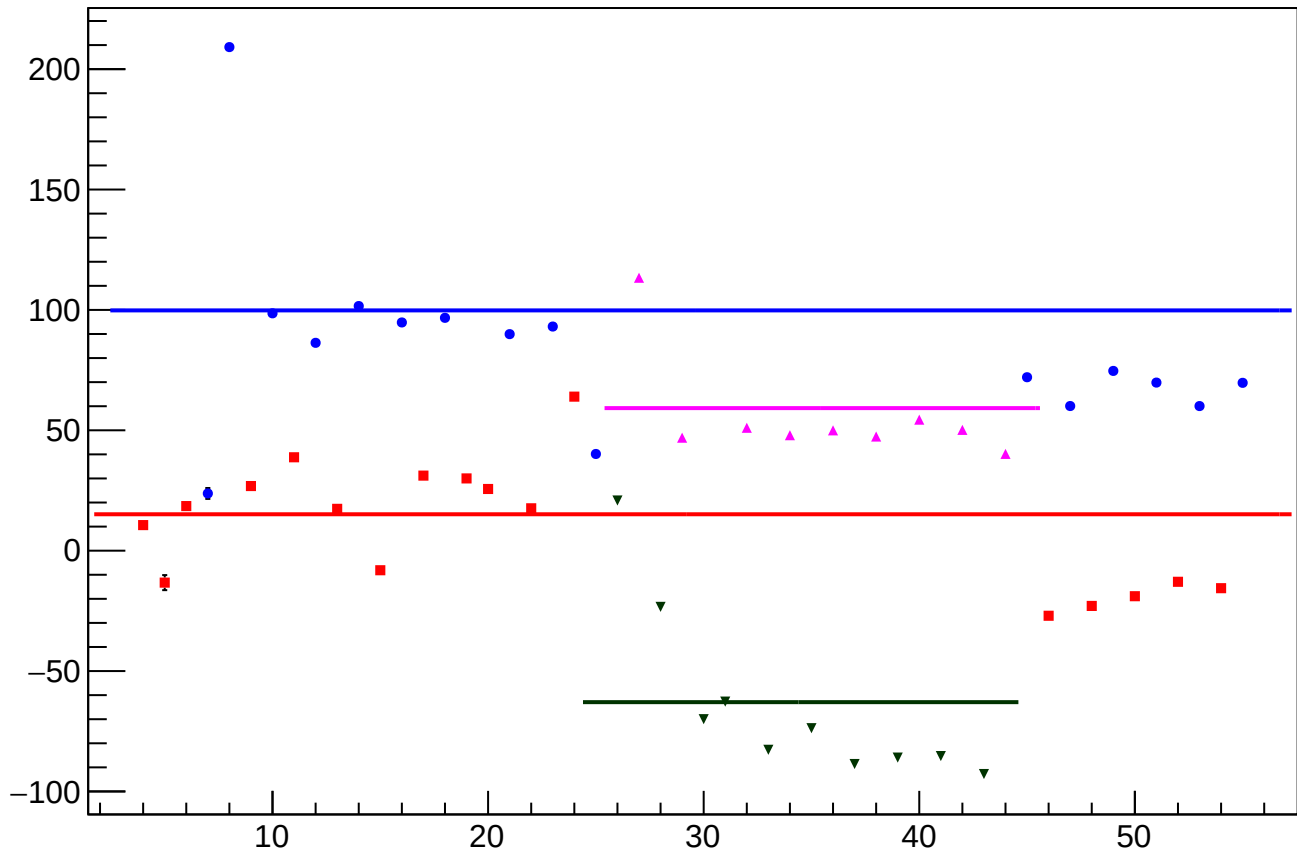
1109.270 $\pm$ 0.202 χ^2 /NDF: 402595.5/25

Right Out: 1114.044 $\pm$ 0.264 χ^2 /NDF: 266723.6/16

1098.711 $\pm$ 0.204 χ^2 /NDF: 292556.8/25

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

diff_bpm2i02Y_mean vs slug



Right In: 99.801 $\pm$ 0.359 χ^2 /NDF: 15846.6/15

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

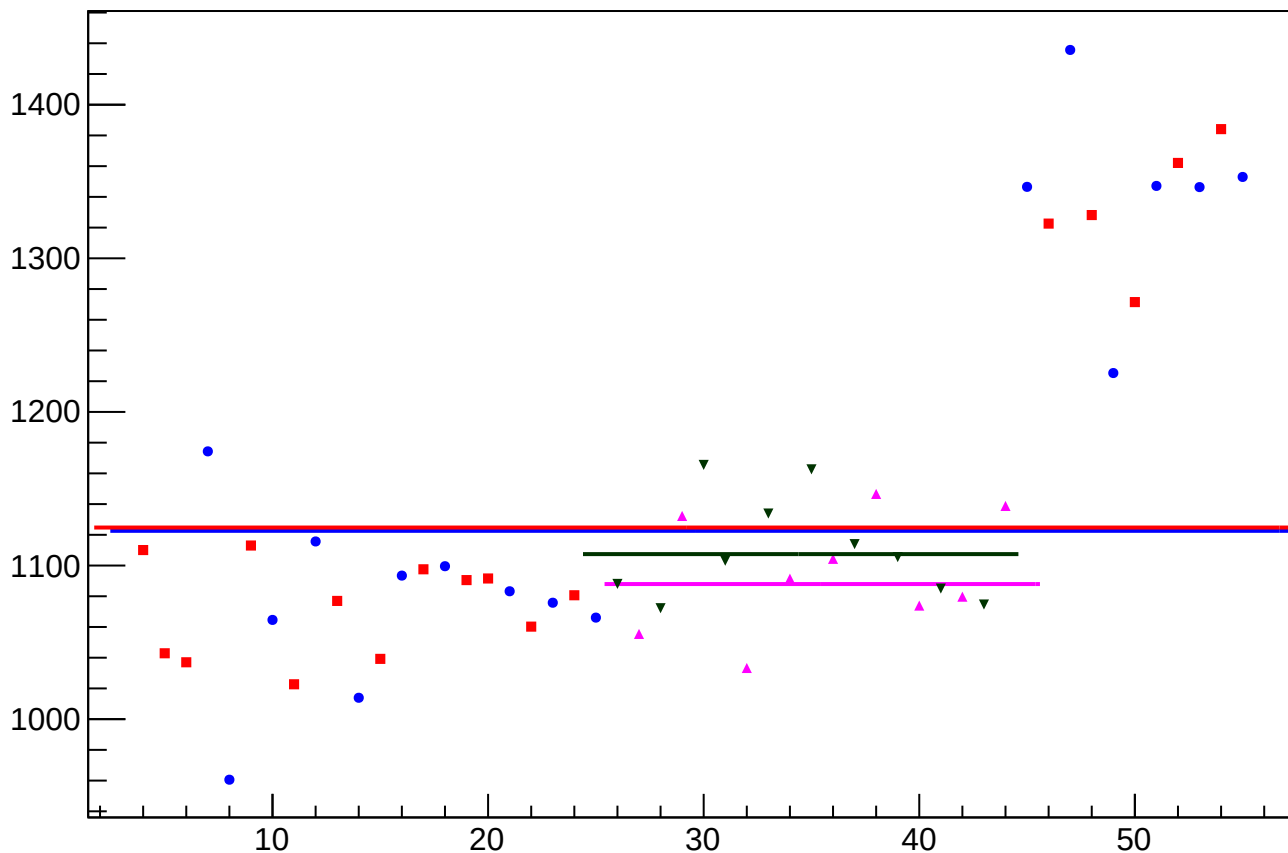
Right Out: 15.125 $\pm$ 0.377 χ^2 /NDF: 4079.9/16

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

41.151 $\pm$ 0.287 χ^2 /NDF: 95357.3/25

32.876 $\pm$ 0.291 χ^2 /NDF: 12338.9/25

diff_bpm2i02Y_rms vs slug



Right In: 1122.599+/-0.254 χ^2/NDF : 263789.7/15

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

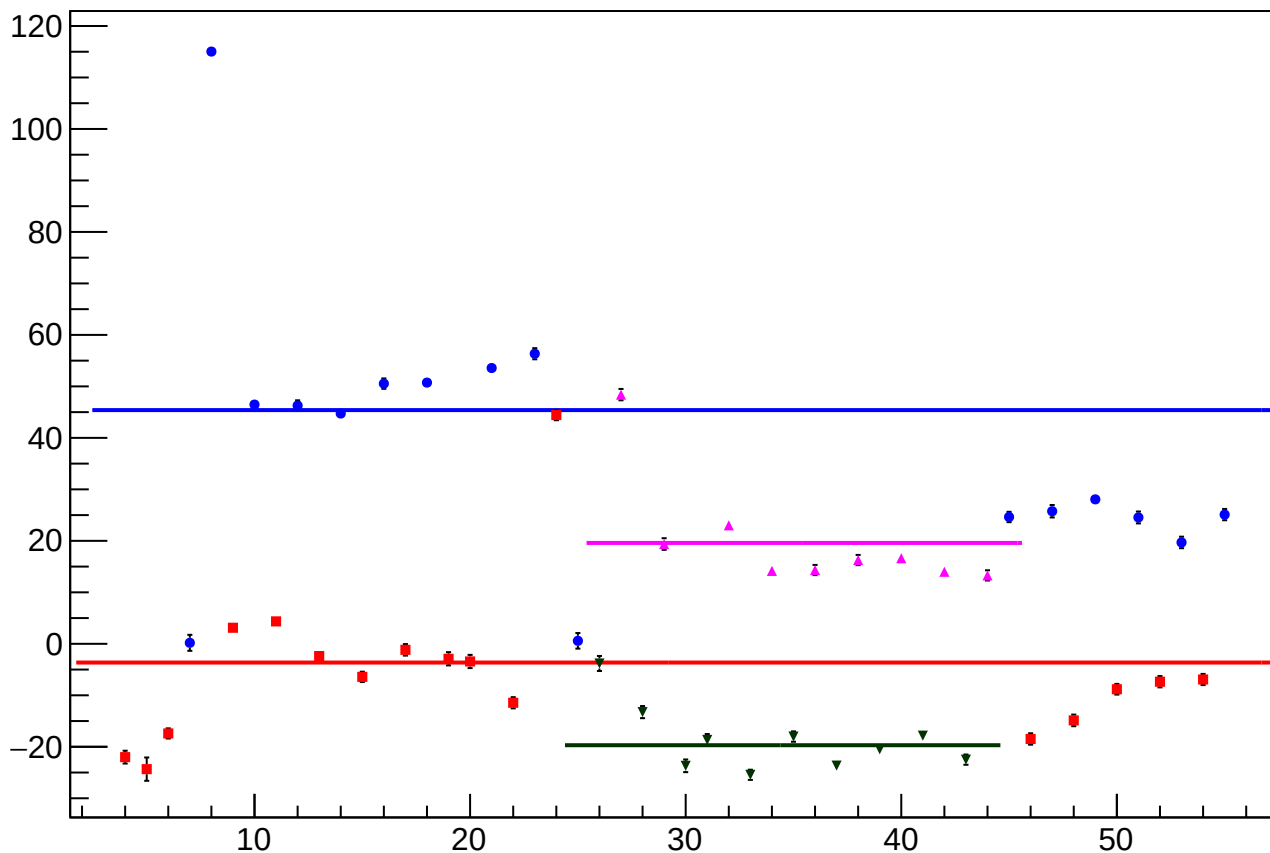
Right Out: 1124.745+/-0.266 χ^2/NDF : 172919.3/16

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

1117.135+/-0.203 χ^2/NDF : 273979.9/25

1109.930+/-0.206 χ^2/NDF : 195012.6/25

diff_bpm1i04X_mean vs slug



Right In: 45.394 $\pm$ 0.245 χ^2 /NDF: 12769.7/15

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

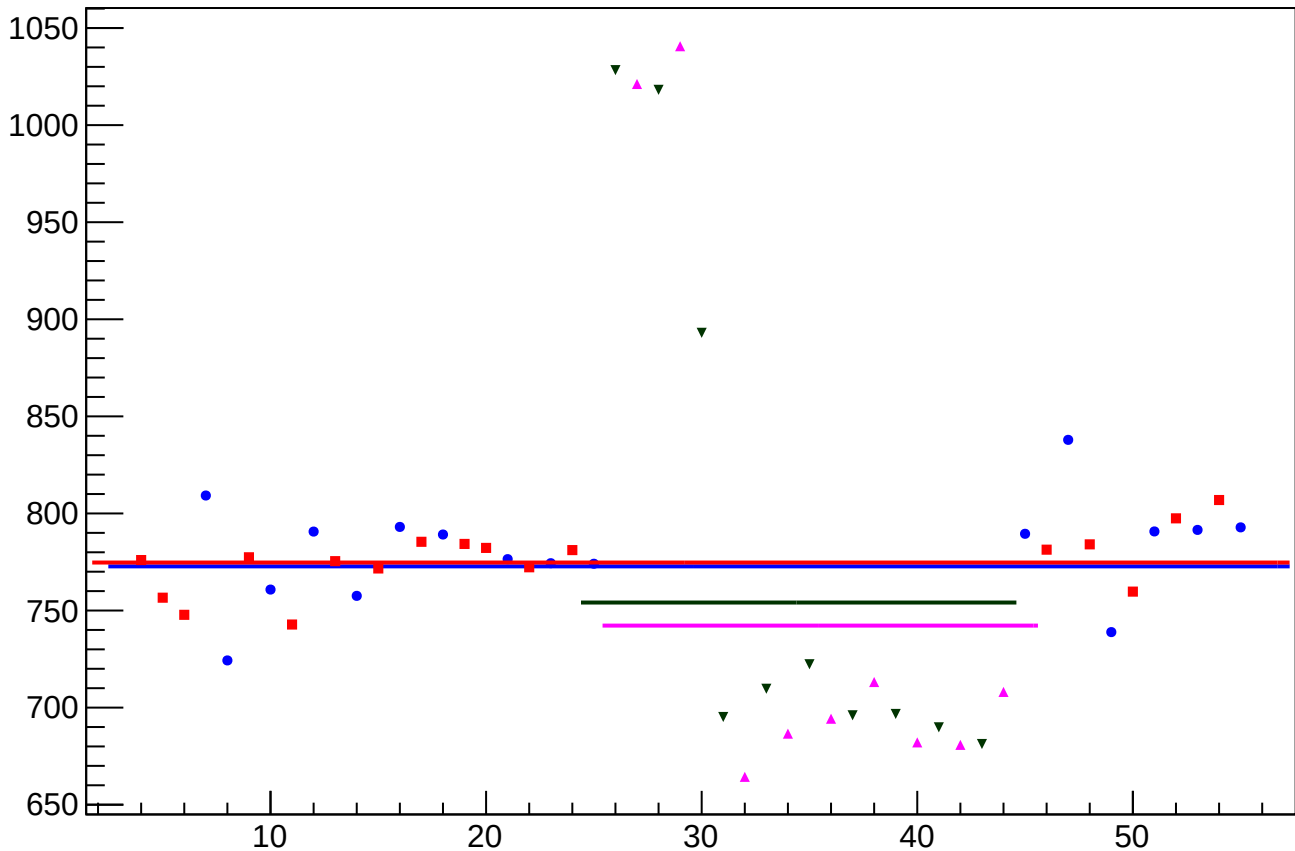
Right Out: -3.637 $\pm$ 0.258 χ^2 /NDF: 3326.3/16

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

22.177 $\pm$ 0.197 χ^2 /NDF: 38141.6/25

5.620 $\pm$ 0.200 χ^2 /NDF: 7419.9/25

diff_bpm1i04X_rms vs slug



Right In: 772.746 $\pm$ 0.173 χ^2 /NDF: 24334.7/15

Left Out: 754.119 $\pm$ 0.233 χ^2 /NDF:244495.9/9

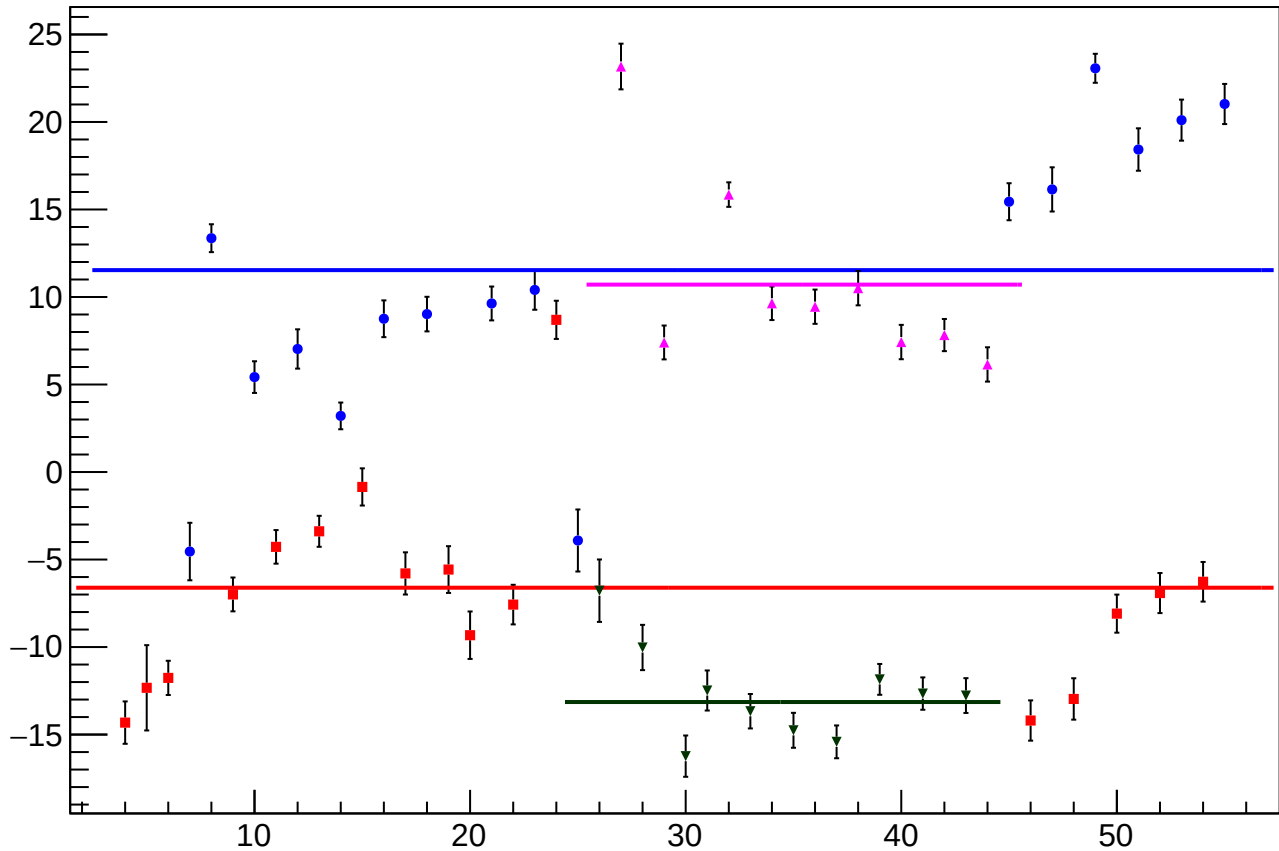
Right Out: 774.720 $\pm$ 0.182 χ^2 /NDF: 7880.2/16

Left In: 742.240 $\pm$ 0.224 χ^2 /NDF:324033.0/8

766.102 $\pm$ 0.139 χ^2 /NDF: 272949.4/25

761.779 $\pm$ 0.142 χ^2 /NDF: 344541.1/25

diff_bpm1i04Y_mean vs slug



Right In: 11.535+/-0.259 χ^2 /NDF: 751.1/15

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

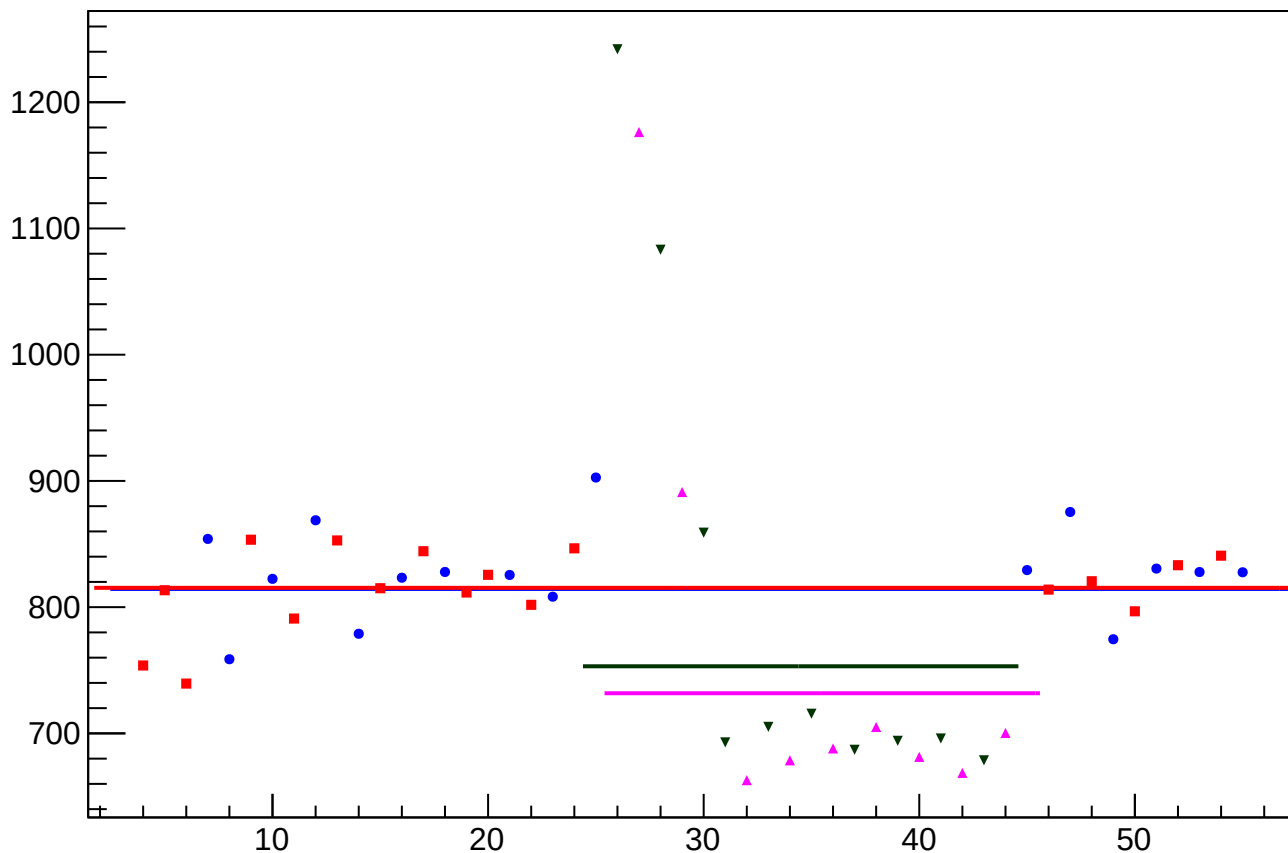
Right Out: -6.610+/-0.272 χ^2 /NDF: 399.6/16

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

2.227+/-0.204 χ^2 /NDF: 4216.2/25

0.816+/-0.206 χ^2 /NDF: 2336.3/25

diff_bpm1i04Y_rms vs slug



Right In: 814.447 $\pm$ 0.183 χ^2 /NDF: 36480.6/15

Left Out: 753.162 $\pm$ 0.235 χ^2 /NDF: 347457.9/9

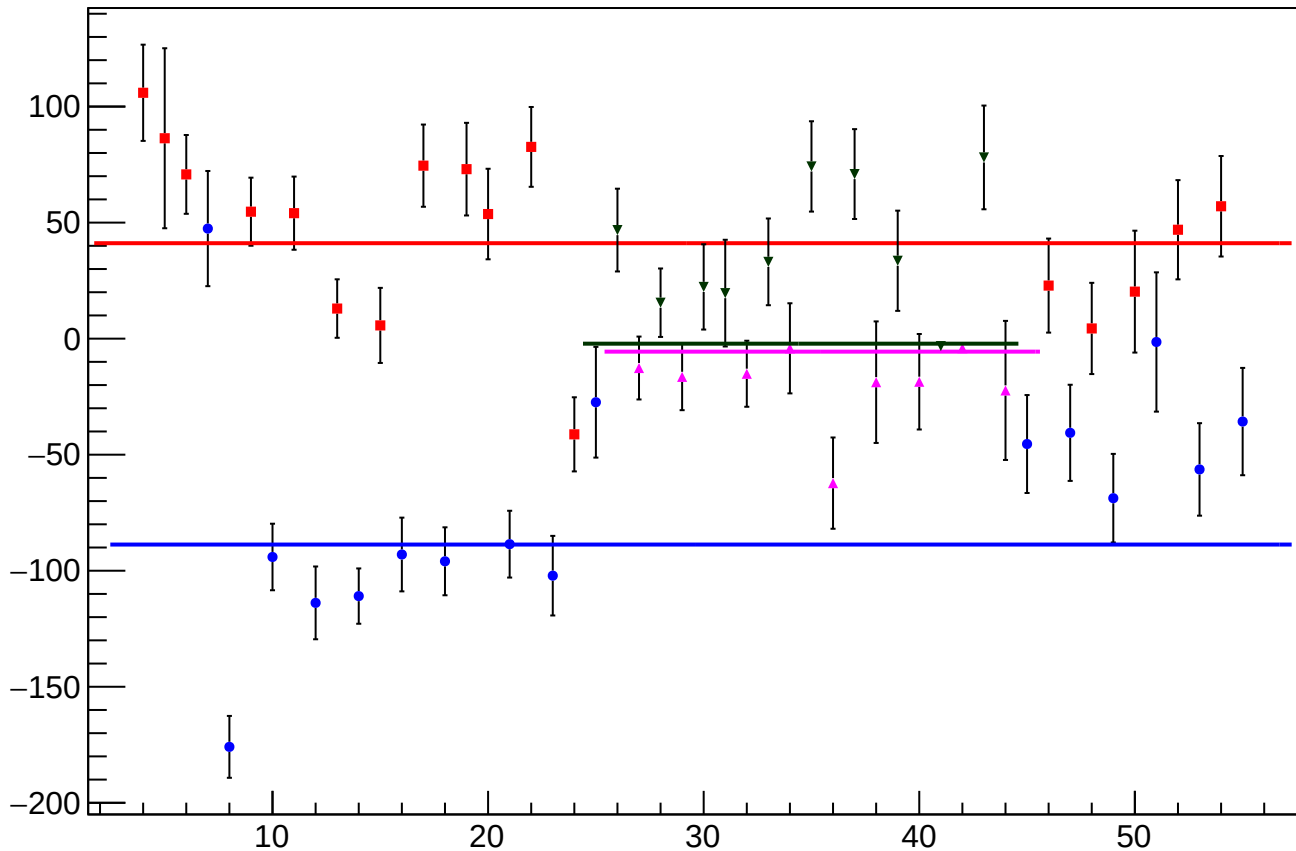
Right Out: 815.316 $\pm$ 0.193 χ^2 /NDF: 30546.2/16

Left In: 731.813 $\pm$ 0.222 χ^2 /NDF: 333966.6/8

791.328 $\pm$ 0.144 χ^2 /NDF: 426225.7/25

779.511 $\pm$ 0.146 χ^2 /NDF: 445167.1/25

diff_bpm0l02X_mean vs slug



Right In: -88.722 ± 4.277 χ^2/NDF : 113.6/15

Left Out: -2.165 ± 0.972 χ^2/NDF : 61.6/9

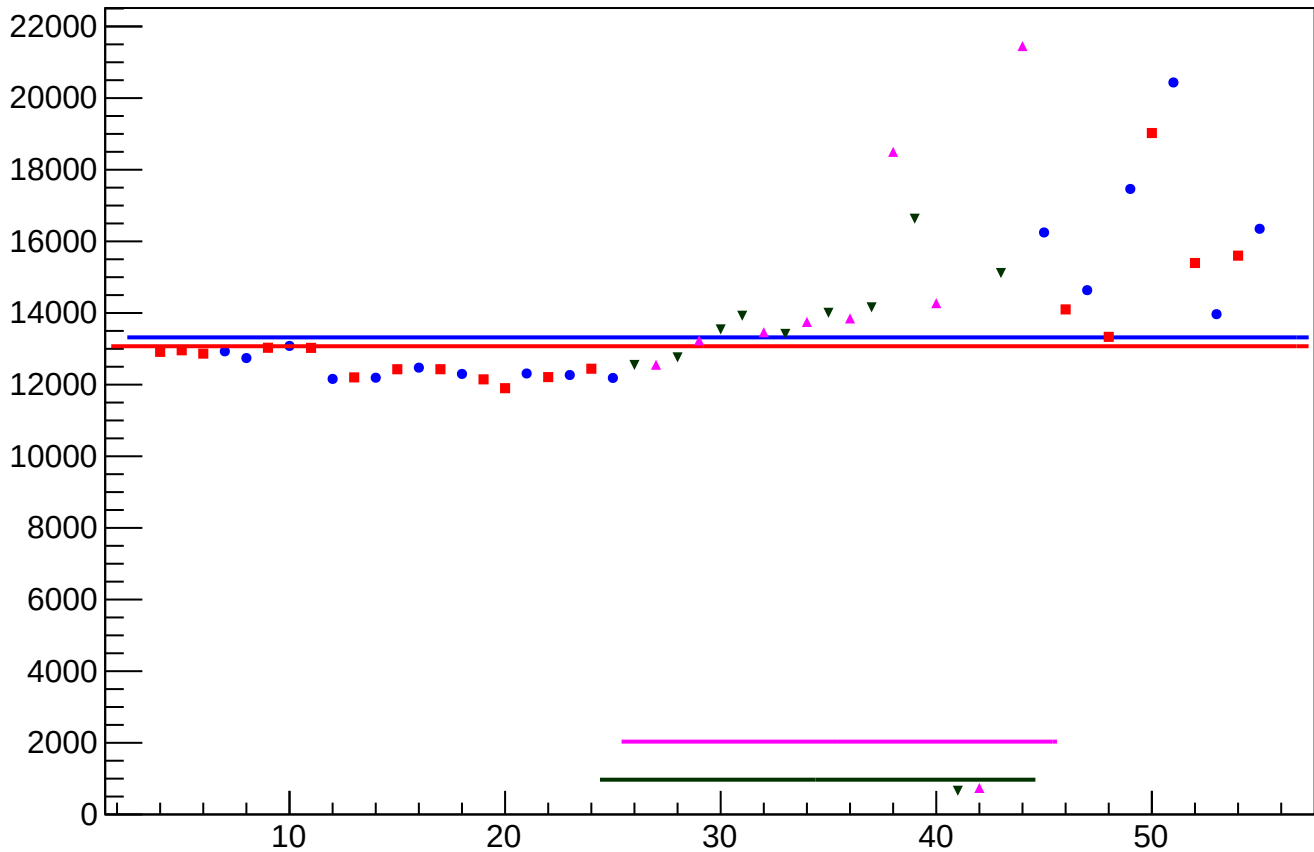
Right Out: 41.129 ± 4.399 χ^2/NDF : 70.0/16

Left In: -5.599 ± 1.958 χ^2/NDF : 11.1/8

-6.414 ± 0.948 χ^2/NDF : 564.7/25

2.129 ± 1.789 χ^2/NDF : 175.3/25

diff_bpm0l02X_rms vs slug



Right In: 13319.590 $\pm$ 3.024 χ^2 /NDF: 360702.2/15

Left Out: 970.582 $\pm$ 0.687 χ^2 /NDF:8456735.2/9

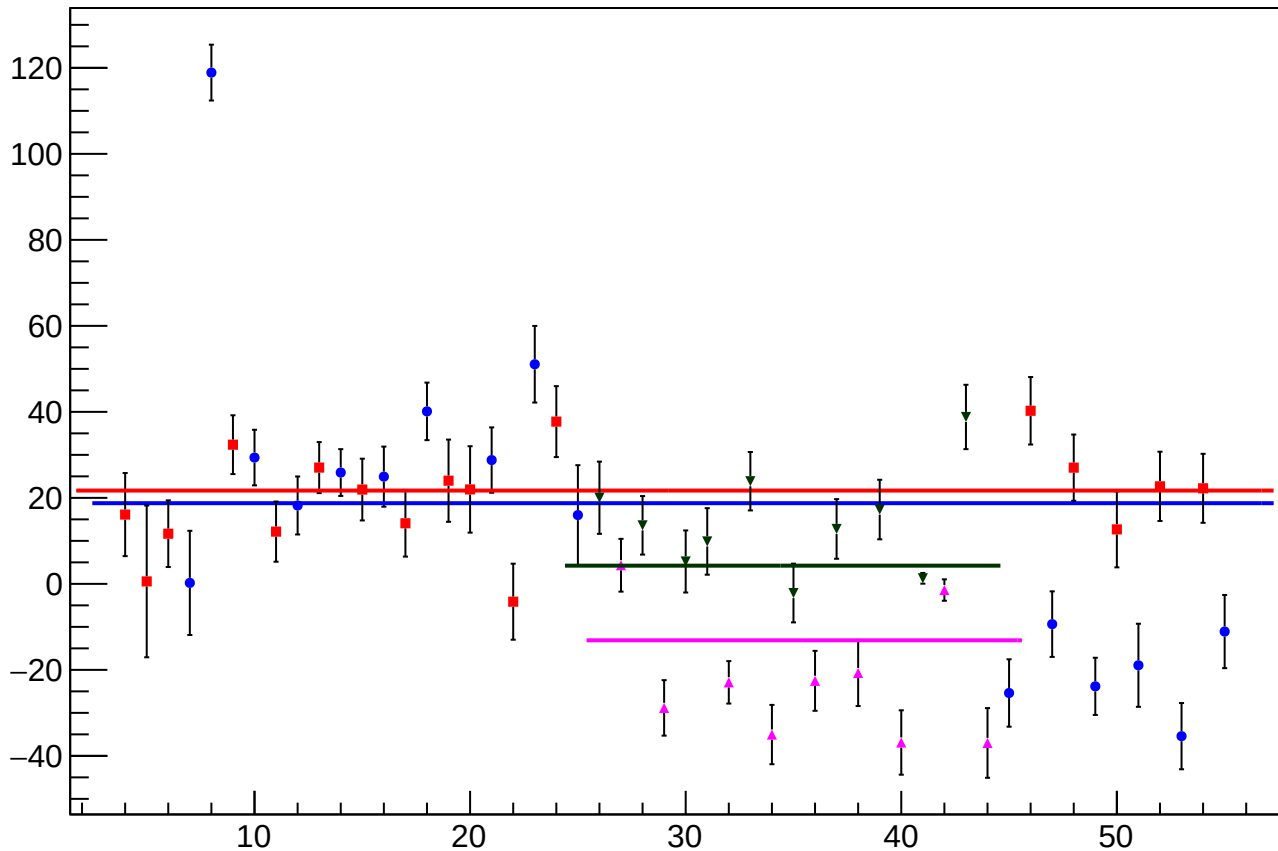
1576.786 $\pm$ 0.670 χ^2 /NDF: 24670866.0/25

Right Out: 13072.280 $\pm$ 3.110 χ^2 /NDF: 194556.8/16

3858.802 $\pm$ 1.265 χ^2 /NDF: 18997327.7/25

Left In: 2033.232 $\pm$ 1.385 χ^2 /NDF:8290377.8/8

diff_bpm0l02Y_mean vs slug



Right In: 18.762 $\pm$ 1.864 χ^2/NDF : 433.8/15

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

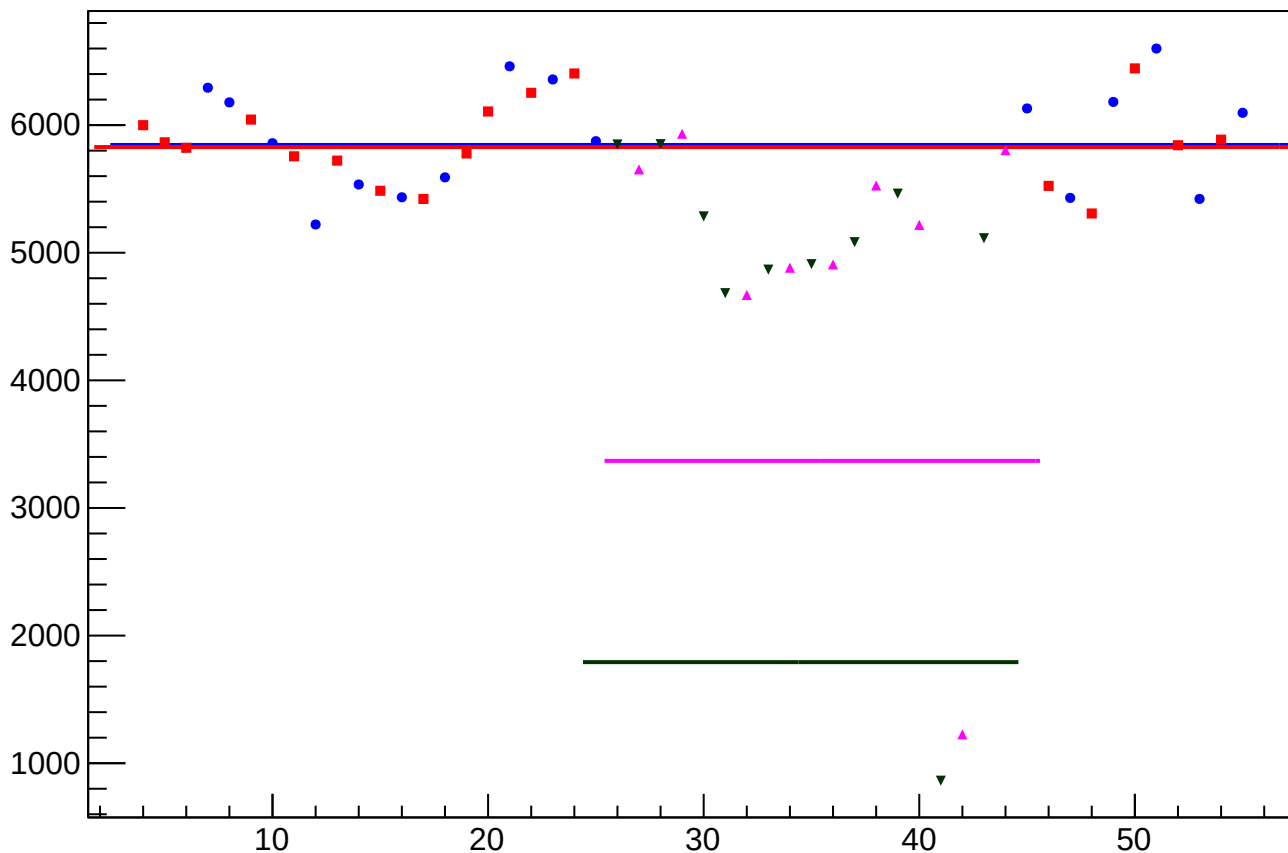
Right Out: 21.697 $\pm$ 1.954 χ^2/NDF : 29.0/16

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

8.015 $\pm$ 0.951 χ^2/NDF : 526.0/25

1.919 $\pm$ 1.284 χ^2/NDF : 281.1/25

diff_bpm0l02Y_rms vs slug



Right In: 5844.447+/-1.318 χ^2/NDF : 94916.4/15

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

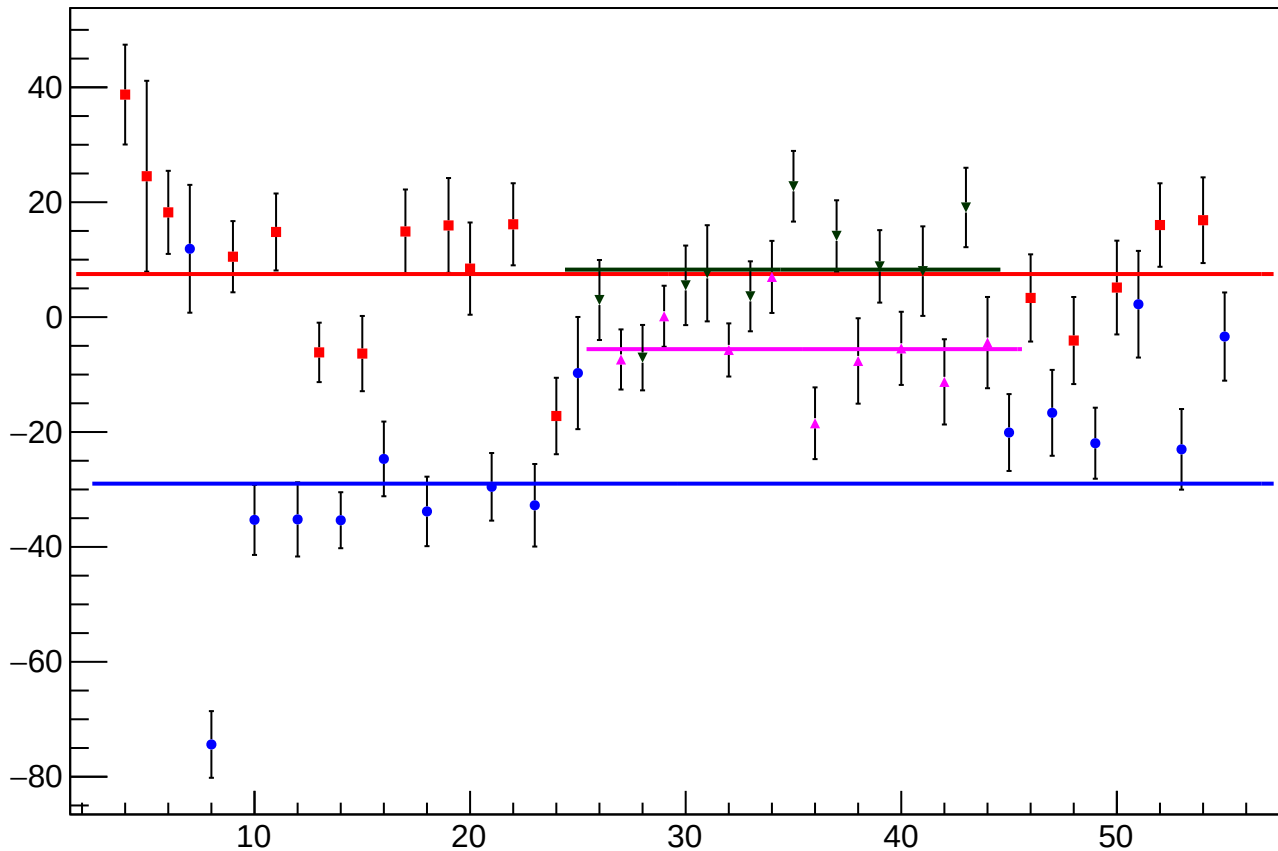
Right Out: 5828.017+/-1.381 χ^2/NDF : 51513.9/16

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

2846.580+/-0.672 χ^2/NDF : 12362239.5/25

4431.479+/-0.908 χ^2/NDF : 4717269.8/25

diff_bpm0l03X_mean vs slug



Right In: -28.986 ± 1.677 χ^2/NDF : 112.6/15

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

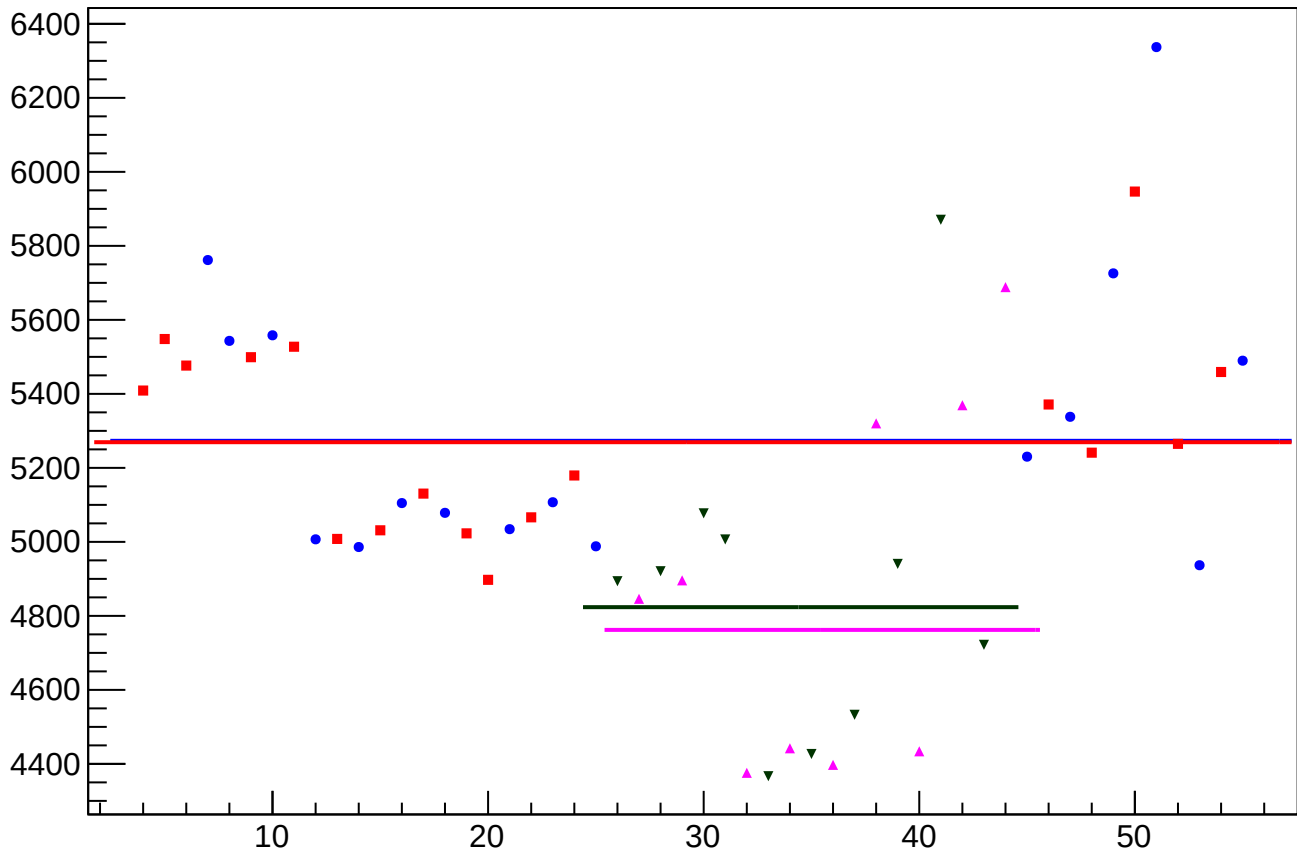
Right Out: 7.498 ± 1.760 χ^2/NDF : 52.1/16

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

-14.411 ± 1.308 χ^2/NDF : 323.2/25

1.837 ± 1.325 χ^2/NDF : 86.2/25

diff_bpm0l03X_rms vs slug



Right In: 5273.090+/-1.186 χ^2/NDF : 75772.1/15

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

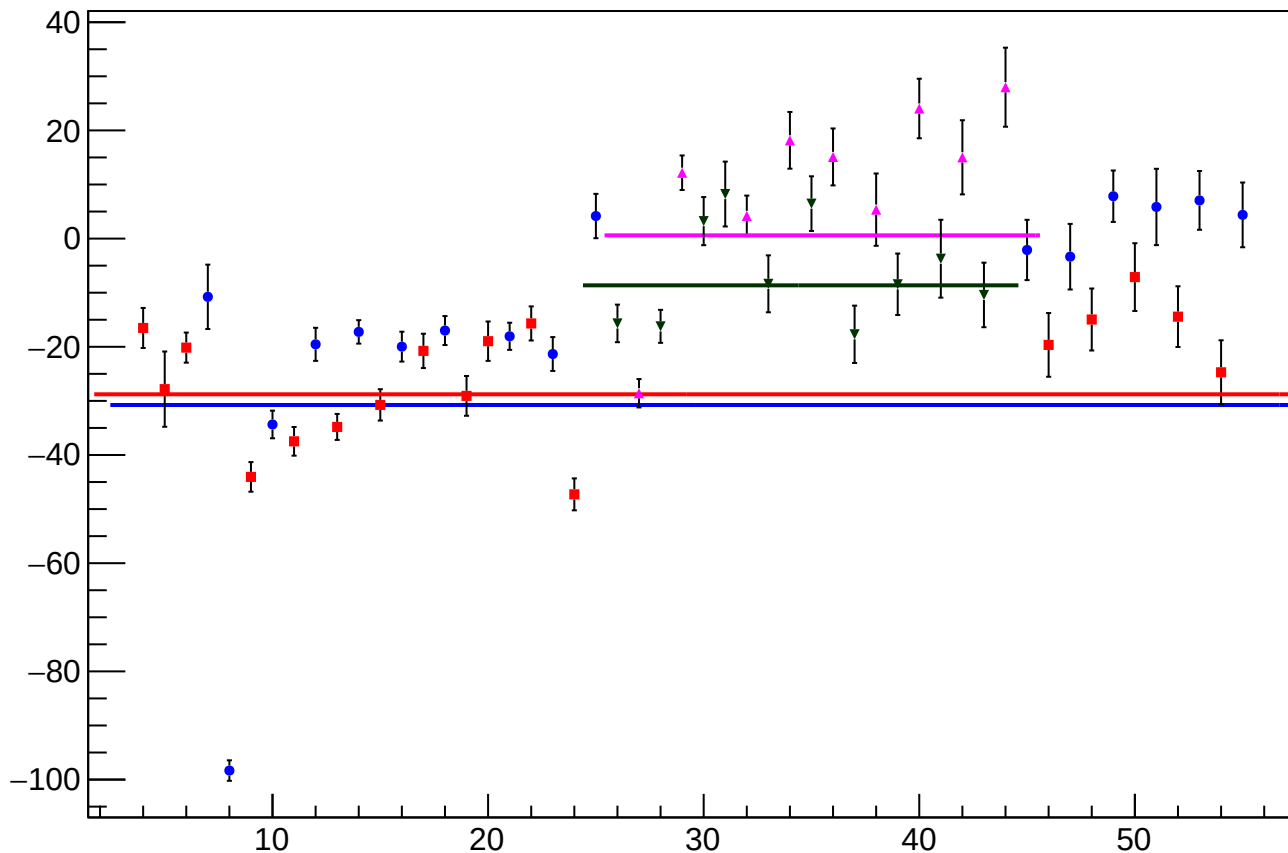
Right Out: 5269.384+/-1.245 χ^2/NDF : 40426.4/16

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

5097.227+/-0.925 χ^2/NDF : 197653.7/25

5049.725+/-0.937 χ^2/NDF : 197309.6/25

diff_bpm0l03Y_mean vs slug



Right In: -30.759 ± 0.801 χ^2/NDF : 1711.6/15

Left Out: -8.640 ± 1.477 χ^2/NDF : 37.8/9

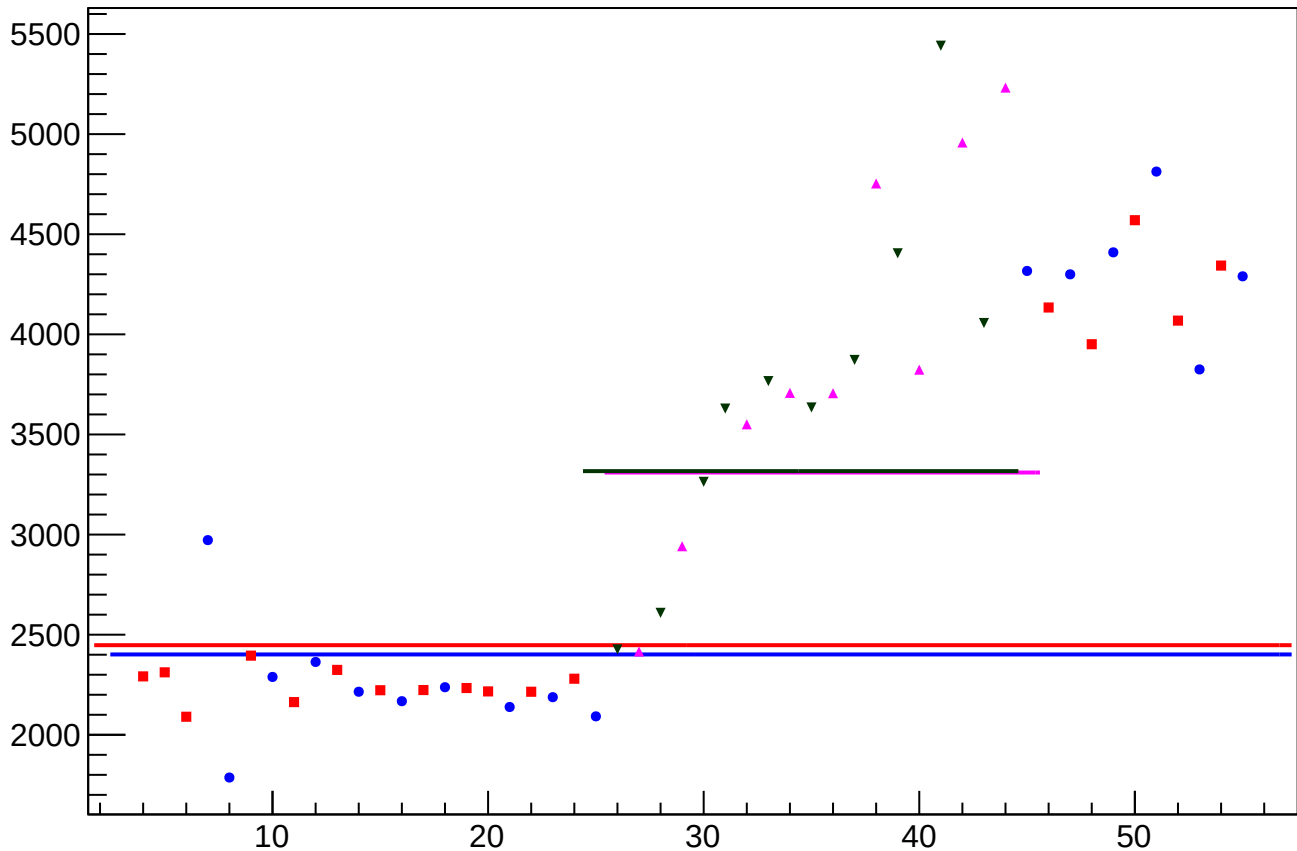
Right Out: -28.781 ± 0.845 χ^2/NDF : 166.7/16

Left In: 0.601 ± 1.440 χ^2/NDF : 194.1/8

-25.729 ± 0.704 χ^2/NDF : 1922.6/25

-21.252 ± 0.729 χ^2/NDF : 670.6/25

diff_bpm0l03Y_rms vs slug



Right In: 2401.334+/-0.567 χ^2/NDF : 1672185.5/15

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

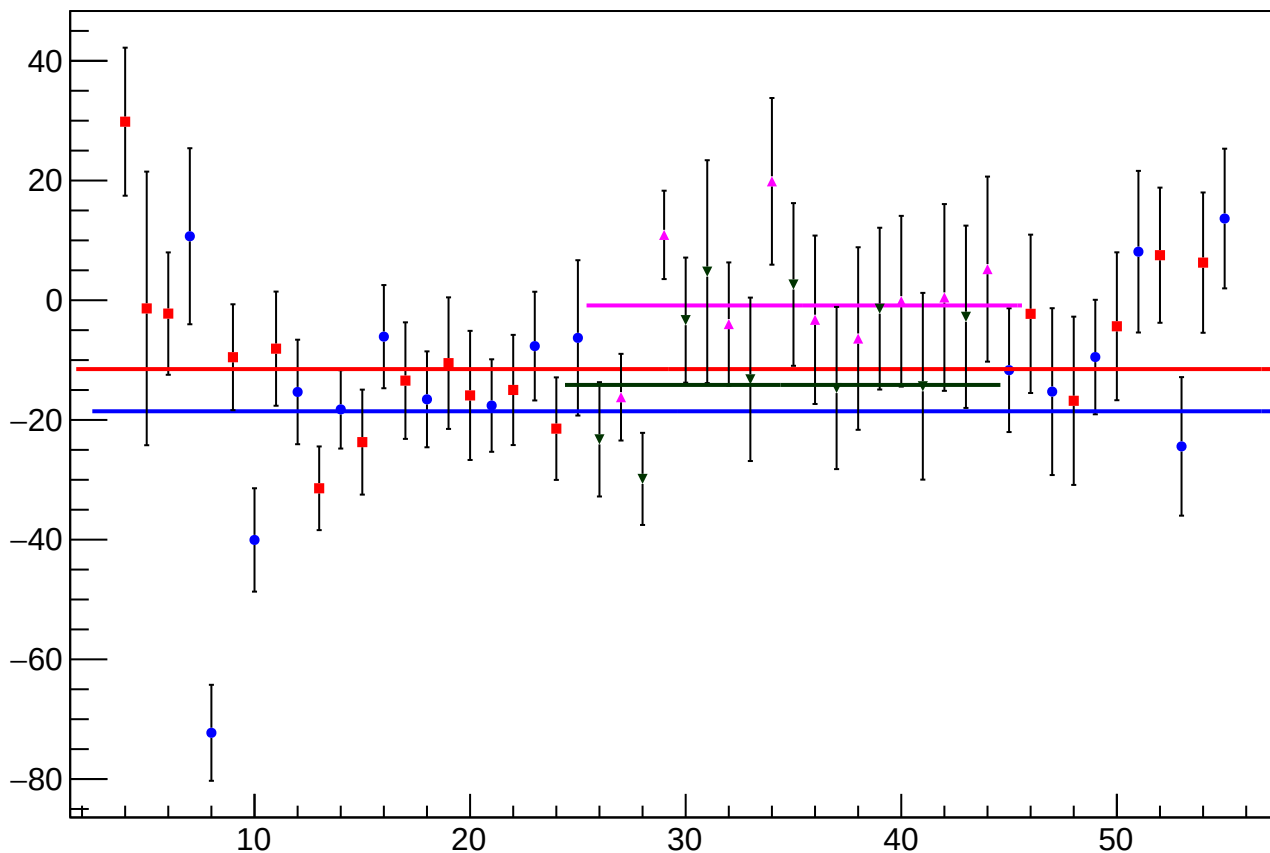
2609.515+/-0.498 χ^2/NDF : 2833877.0/25

Right Out: 2447.545+/-0.598 χ^2/NDF : 1023891.4/16

2668.519+/-0.515 χ^2/NDF : 2212710.8/25

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

diff_bpm0l04X_mean vs slug



Right In: -18.552 ± 2.360 $\chi^2/\text{NDF}: 72.8/15$

Left Out: -14.150 ± 3.779 $\chi^2/\text{NDF}: 10.2/9$

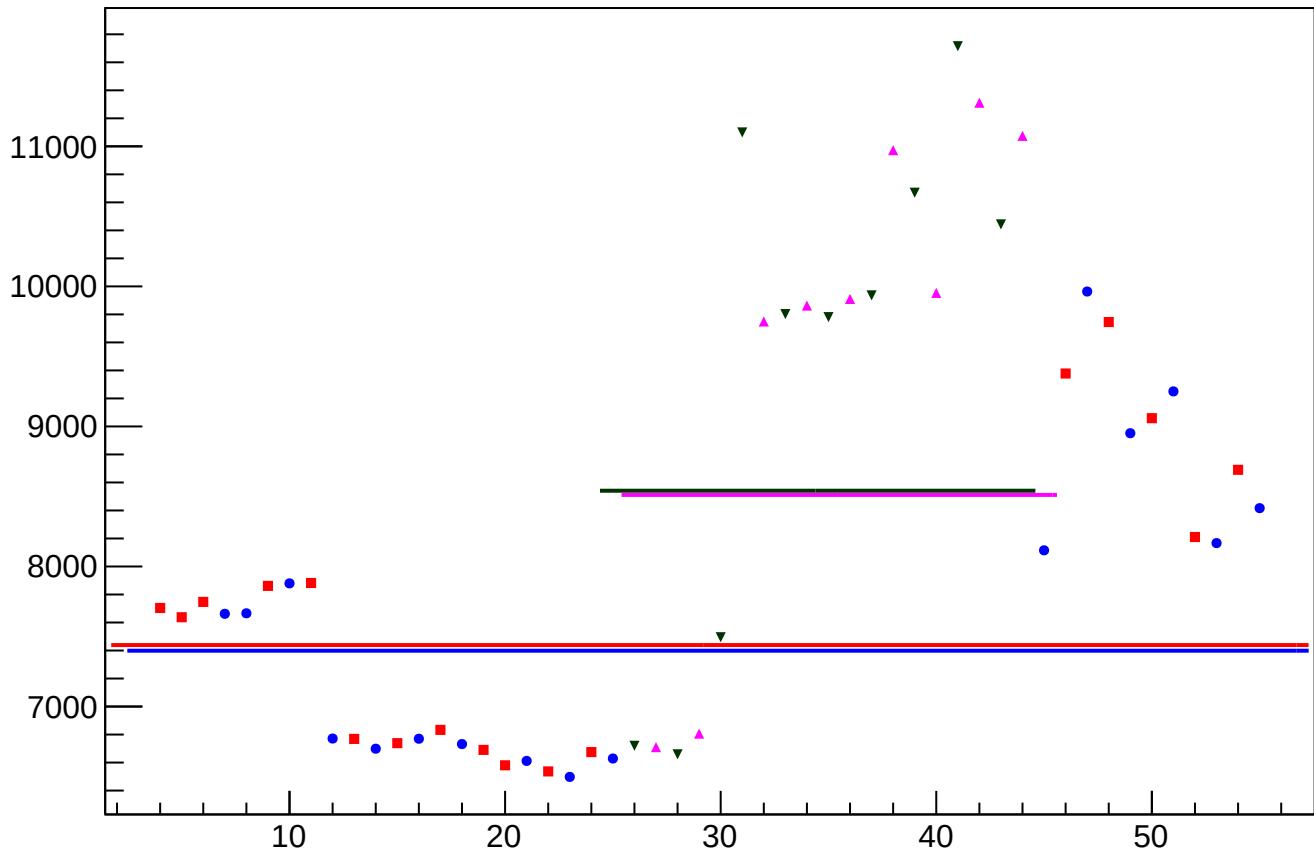
Right Out: -11.504 ± 2.496 $\chi^2/\text{NDF}: 30.2/16$

Left In: -0.870 ± 3.662 $\chi^2/\text{NDF}: 9.7/8$

-17.317 ± 2.002 $\chi^2/\text{NDF}: 84.0/25$

-8.132 ± 2.062 $\chi^2/\text{NDF}: 45.7/25$

diff_bpm0l04X_rms vs slug



Right In: 7398.637+/-1.669 χ^2/NDF : 305873.3/15

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

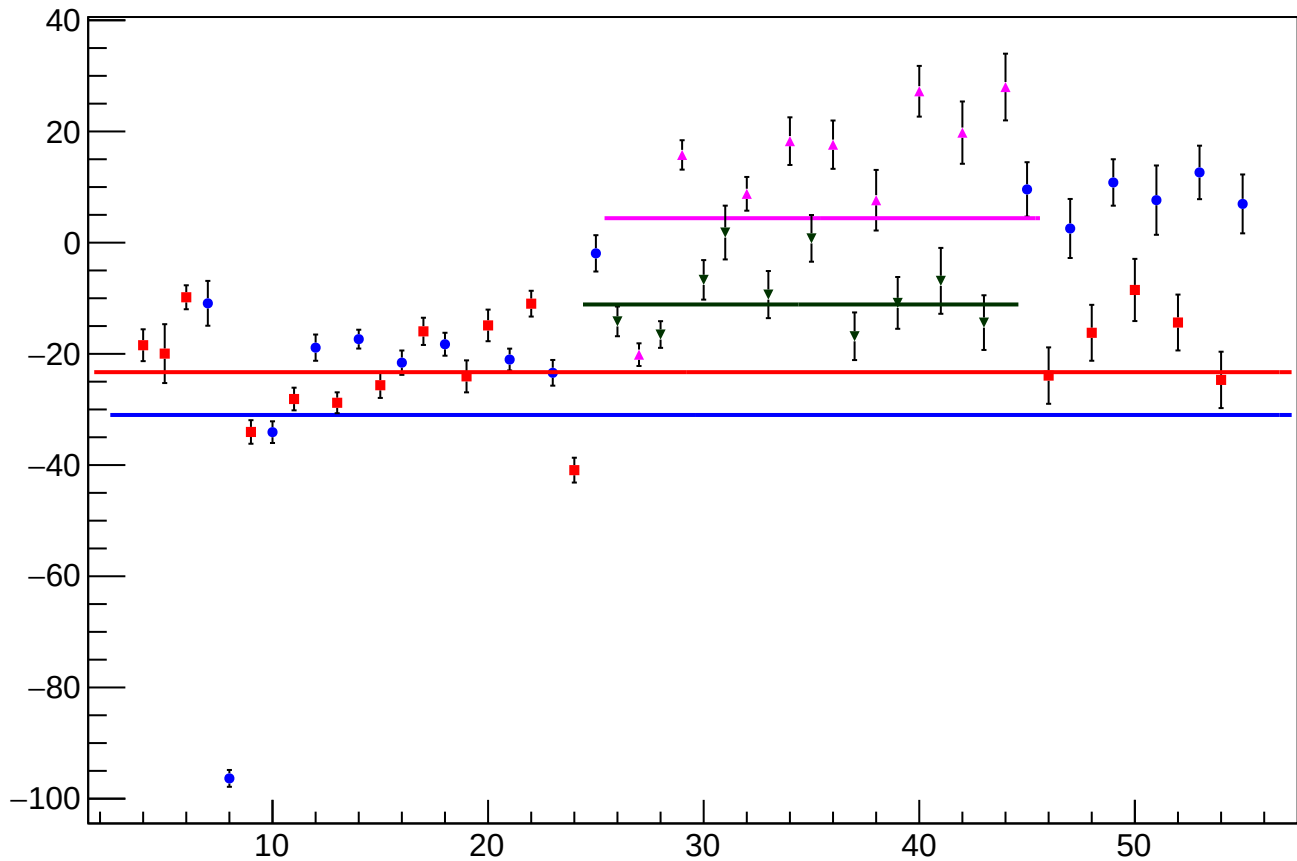
Right Out: 7439.033+/-1.765 χ^2/NDF : 271049.7/16

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

7719.085+/-1.415 χ^2/NDF : 906063.4/25

7778.974+/-1.458 χ^2/NDF : 877952.0/25

diff_bpm0l04Y_mean vs slug



Right In: -30.990+/-0.631 χ^2/NDF : 2537.9/15

Left Out: -11.117+/-1.180 χ^2/NDF : 26.0/9

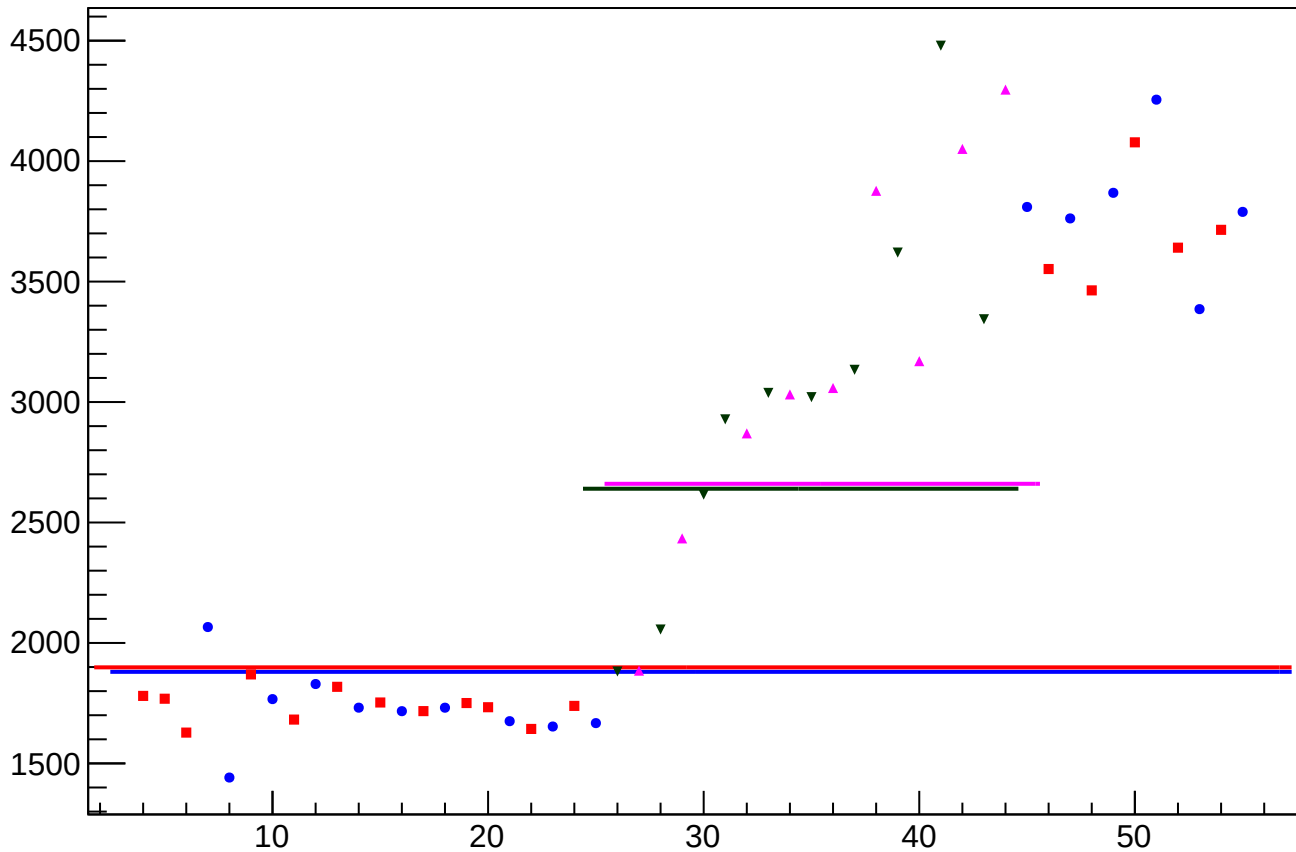
Right Out: -23.291+/-0.660 χ^2/NDF : 203.9/16

Left In: 4.400+/-1.161 χ^2/NDF : 233.8/8

-26.573+/-0.556 χ^2/NDF : 2784.6/25

-16.538+/-0.574 χ^2/NDF : 867.5/25

diff_bpm0l04Y_rms vs slug



Right In: 1880.108+/-0.446 χ^2/NDF : 2028735.4/15

Left Out: 2640.174+/-0.834 χ^2/NDF : 669513.9/9

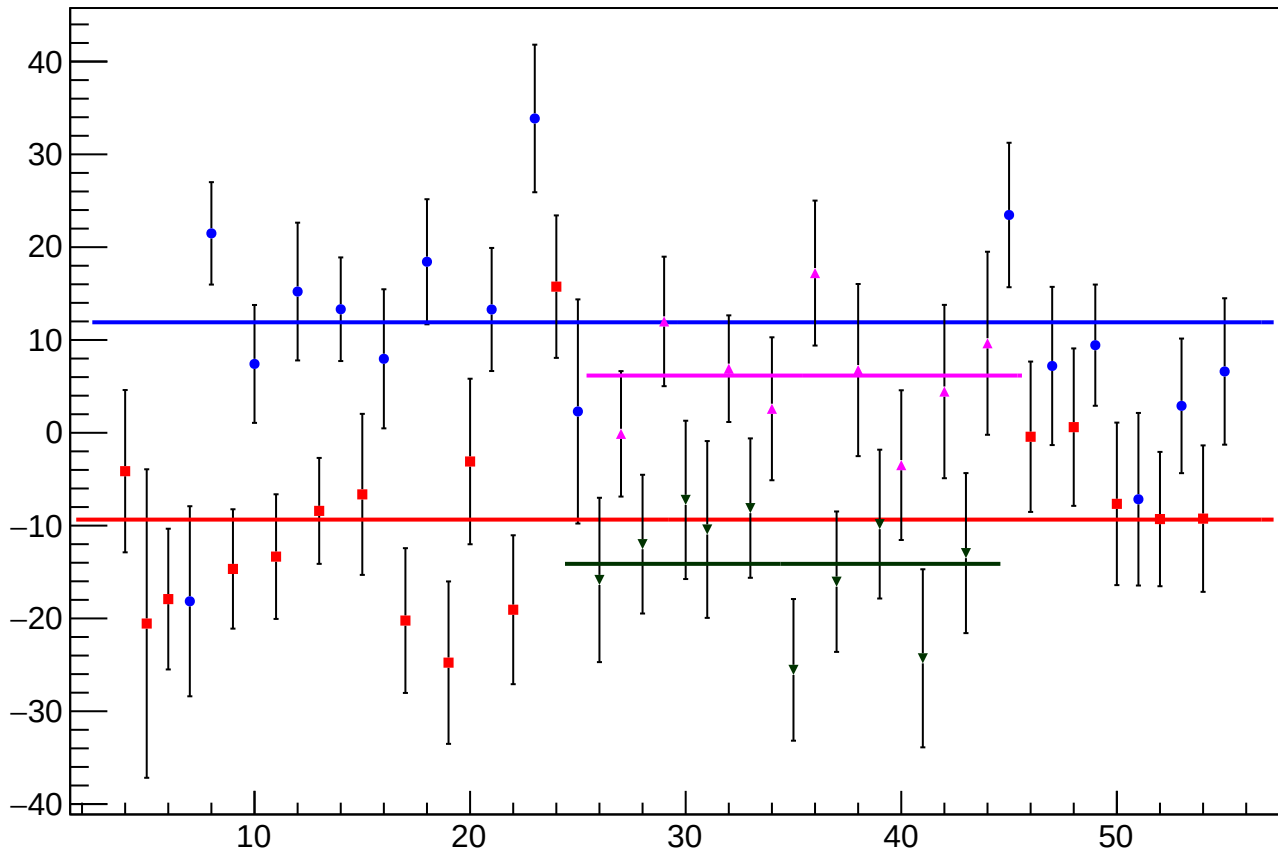
2049.039+/-0.393 χ^2/NDF : 3343706.9/25

Right Out: 1898.757+/-0.466 χ^2/NDF : 1335819.1/16

2084.551+/-0.406 χ^2/NDF : 2728702.5/25

Left In: 2660.633+/-0.821 χ^2/NDF : 742100.2/8

diff_bpm0l05X_mean vs slug



Right In: 11.906 $\pm$ 1.816 χ^2 /NDF: 30.8/15

Left Out: -14.120 $\pm$ 2.602 χ^2 /NDF: 5.3/9

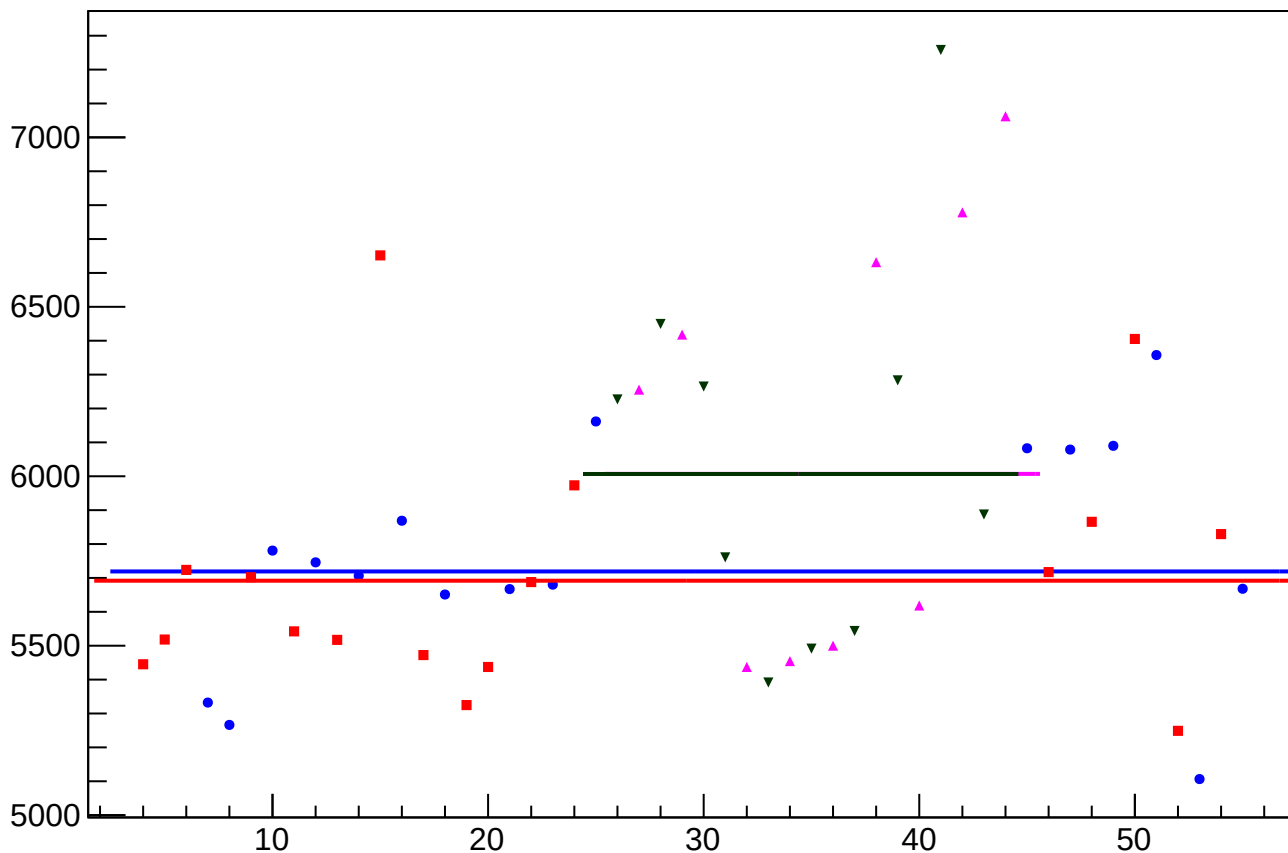
Right Out: -9.352 $\pm$ 1.902 χ^2 /NDF: 23.6/16

Left In: 6.168 $\pm$ 2.542 χ^2 /NDF: 5.4/8

3.379 $\pm$ 1.489 χ^2 /NDF: 103.3/25

-3.782 $\pm$ 1.523 χ^2 /NDF: 52.9/25

diff_bpm0l05X_rms vs slug



Right In: 5719.156+/-1.284 χ^2/NDF : 58576.0/15

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

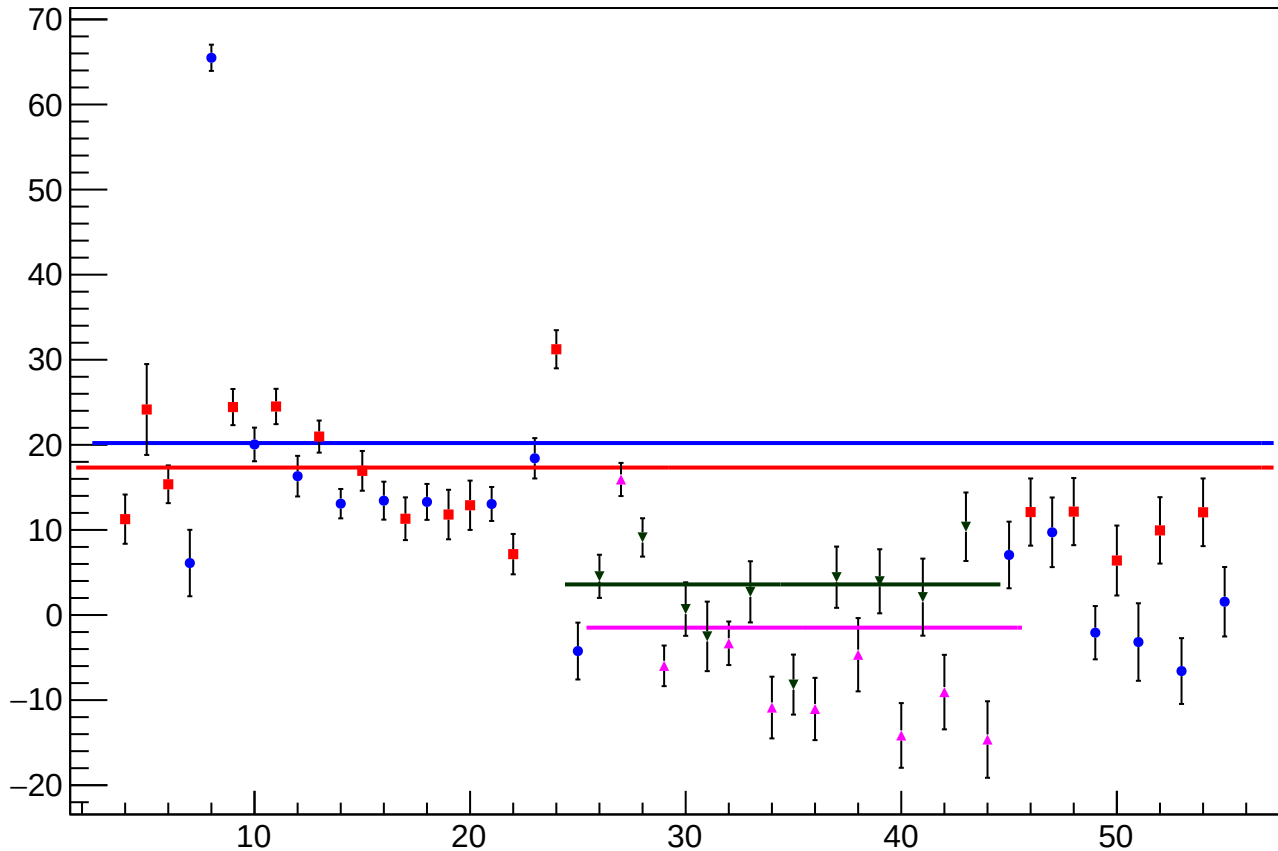
Right Out: 5691.819+/-1.345 χ^2/NDF : 60864.4/16

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

5813.384+/-1.053 χ^2/NDF : 153252.4/25

5804.944+/-1.077 χ^2/NDF : 178884.6/25

diff_bpm0l05Y_mean vs slug



Right In: 20.211 $\pm$ 0.620 χ^2 /NDF: 1146.1/15

Left Out: 3.596 $\pm$ 1.037 χ^2 /NDF: 23.4/9

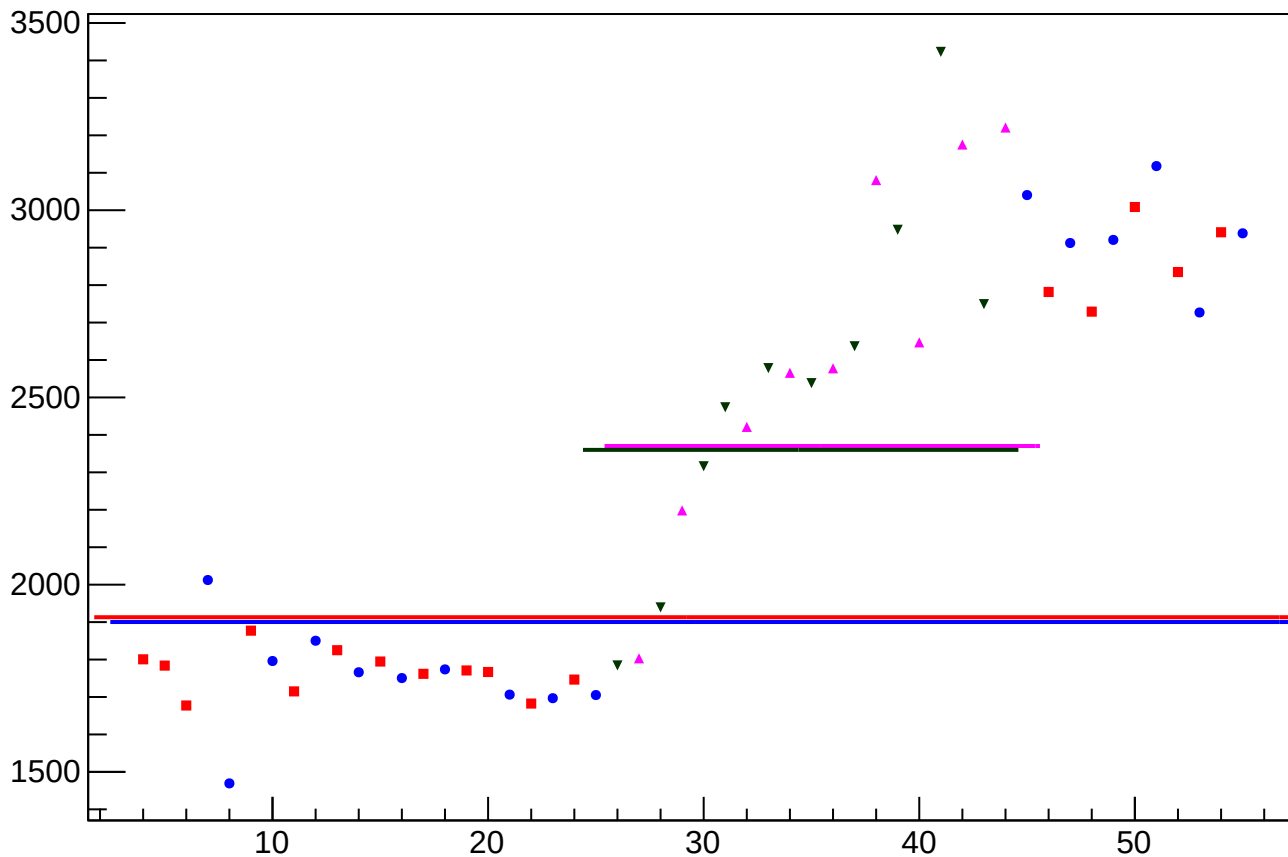
Right Out: 17.332 $\pm$ 0.650 χ^2 /NDF: 118.1/16

Left In: -1.484 $\pm$ 1.017 χ^2 /NDF: 120.7/8

15.835 $\pm$ 0.532 χ^2 /NDF: 1358.6/25

11.871 $\pm$ 0.548 χ^2 /NDF: 481.8/25

diff_bpm0l05Y_rms vs slug



Right In: 1900.253+/-0.439 χ^2 /NDF: 1101008.9/15

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

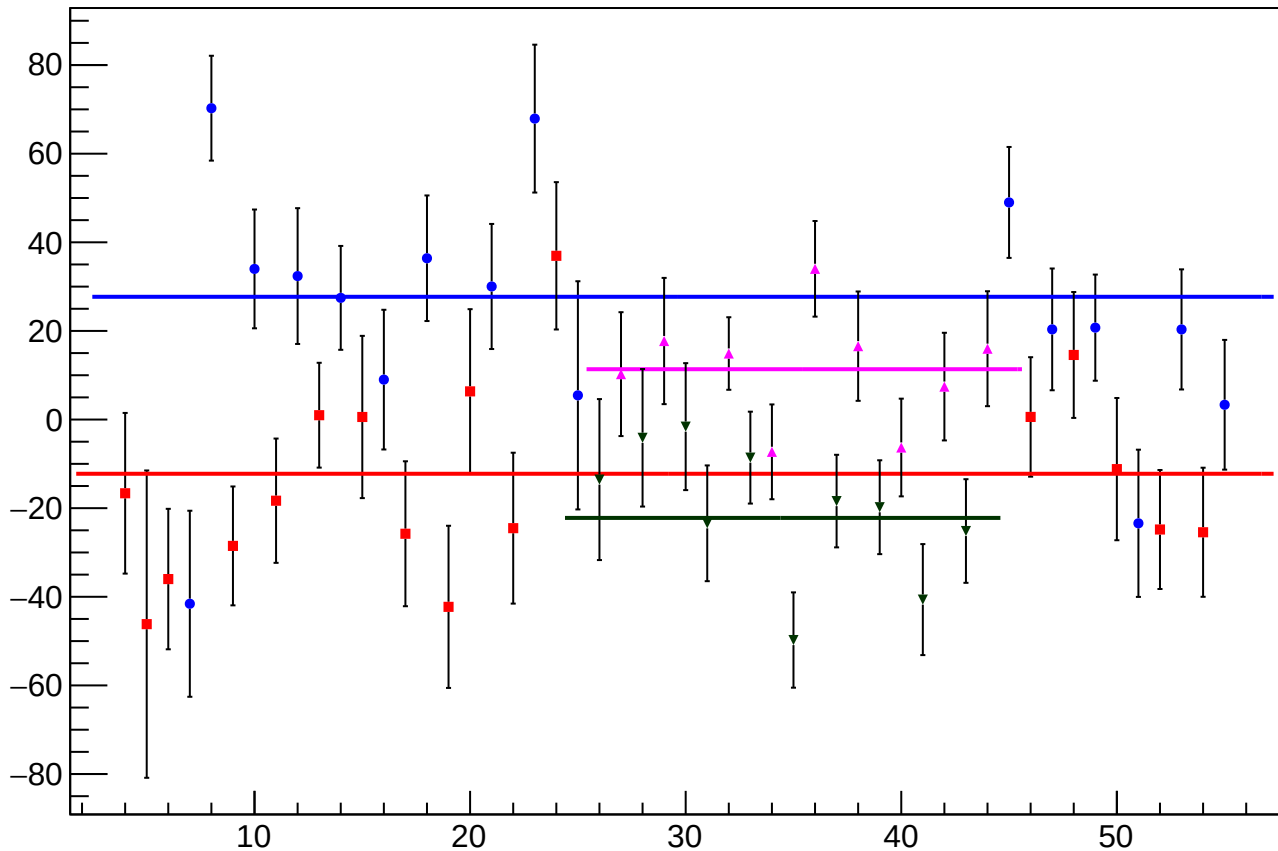
Right Out: 1913.069+/-0.460 χ^2 /NDF: 671891.0/16

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

2021.355+/-0.376 χ^2 /NDF: 1767051.5/25

2045.771+/-0.387 χ^2 /NDF: 1355865.9/25

diff_bpm0l06X_mean vs slug



Right In: 27.704+/-3.580 χ^2 /NDF: 48.6/15

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

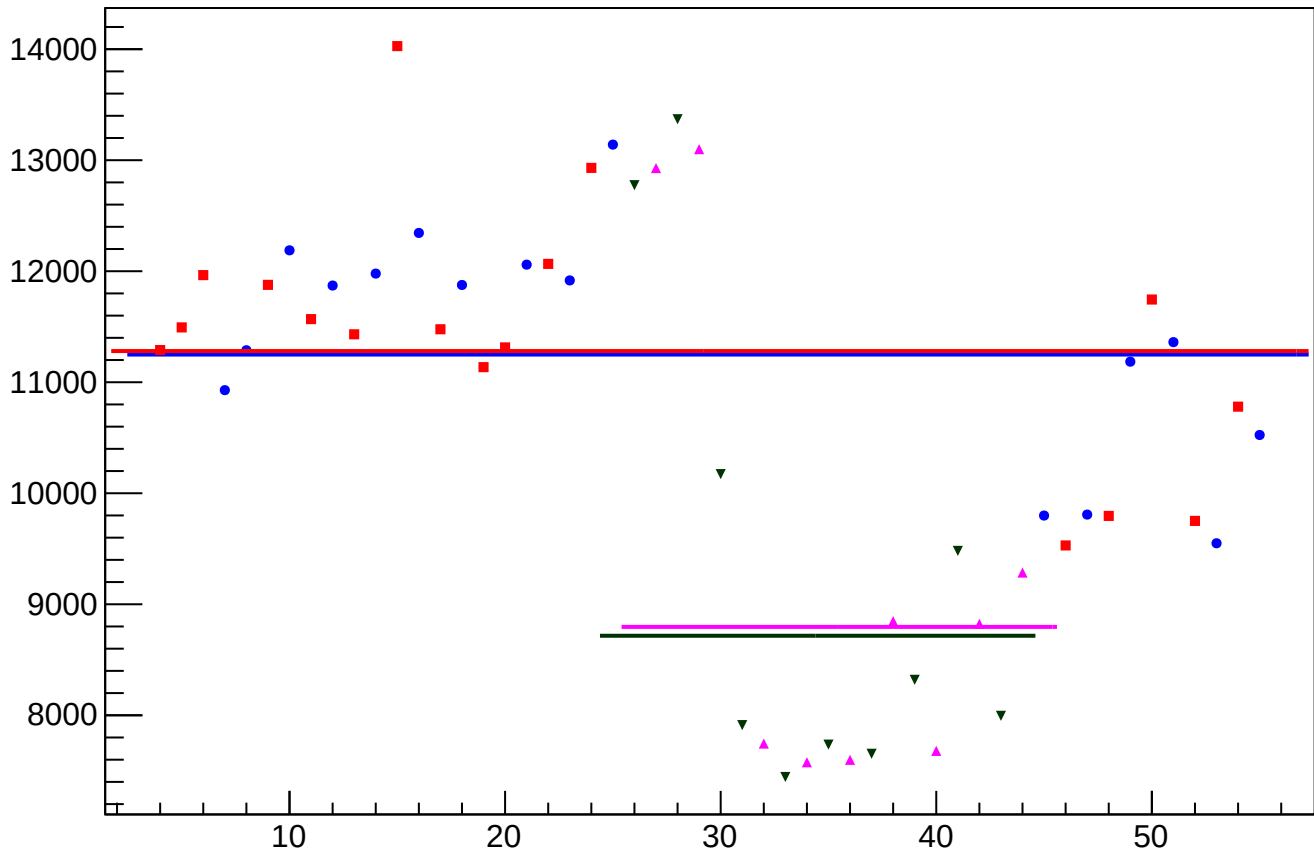
Right Out: -12.236+/-3.782 χ^2 /NDF: 26.5/16

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

4.533+/-2.620 χ^2 /NDF: 153.1/25

-0.448+/-2.675 χ^2 /NDF: 56.8/25

diff_bpm0l06X_rms vs slug



Right In: 11249.517+/-2.532 χ^2/NDF : 140826.6/15

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

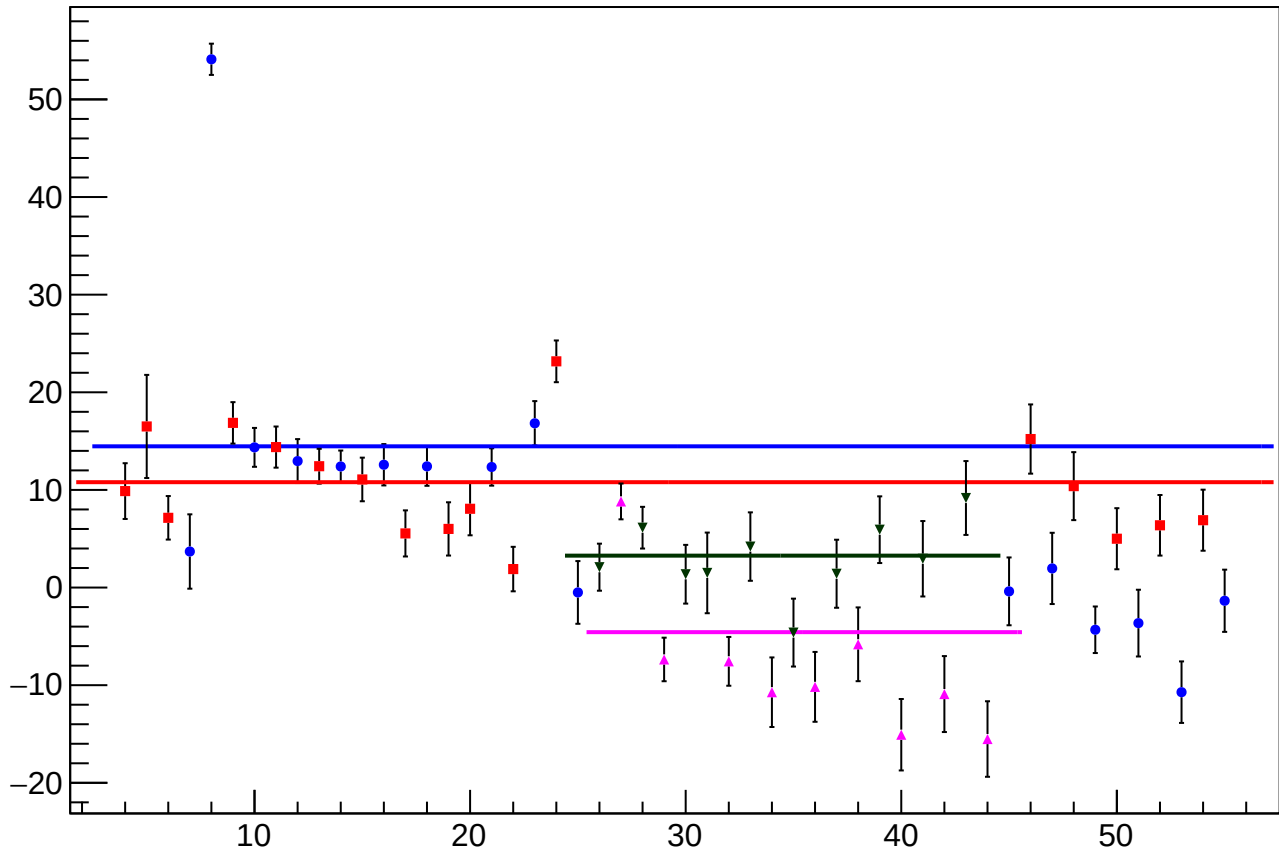
10073.341+/-1.853 χ^2/NDF : 998819.8/25

Right Out: 11280.995+/-2.674 χ^2/NDF : 163906.1/16

10039.572+/-1.892 χ^2/NDF : 1059628.6/25

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

diff_bpm0l06Y_mean vs slug



Right In: 14.466 ± 0.583 χ^2/NDF : 858.3/15

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

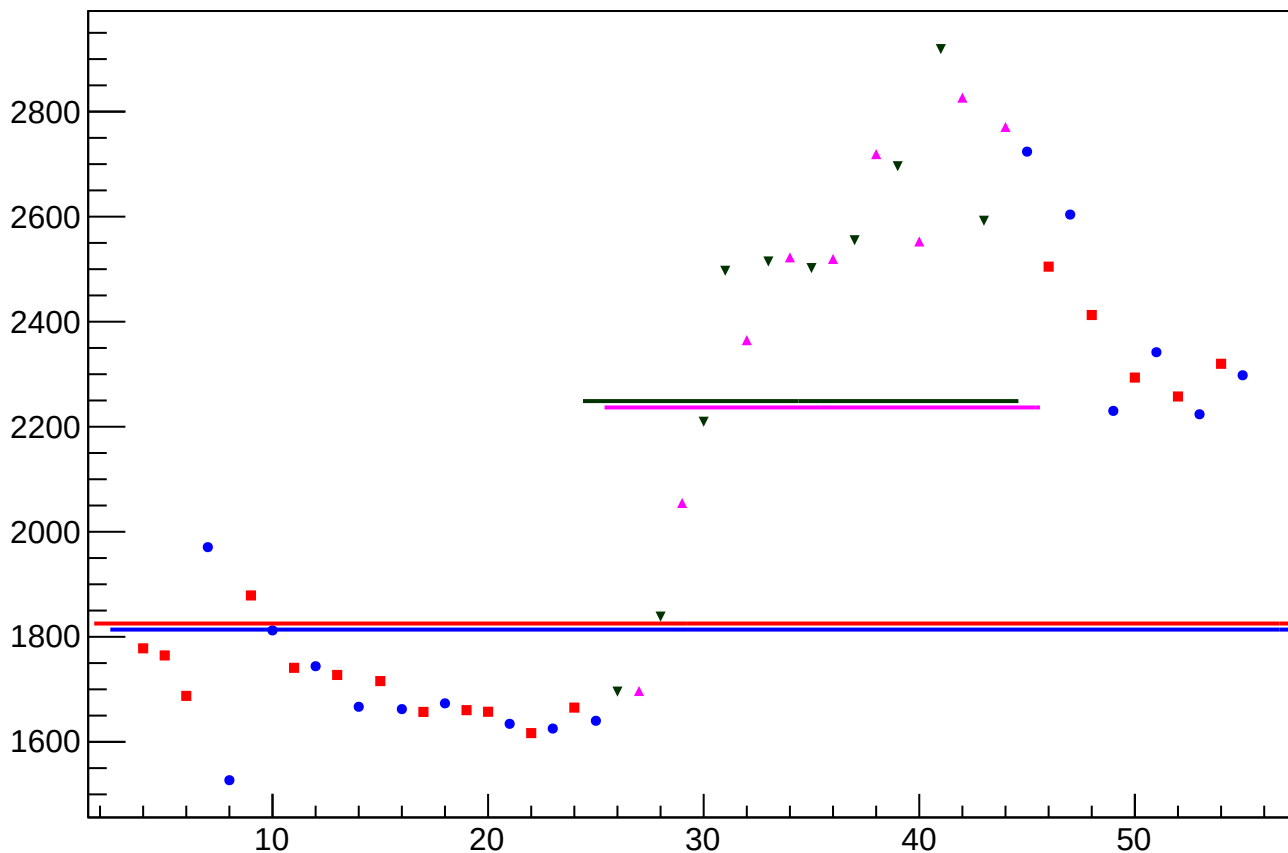
Right Out: 10.793 ± 0.614 χ^2/NDF : 82.3/16

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

11.564 ± 0.502 χ^2/NDF : 965.1/25

6.309 ± 0.517 χ^2/NDF : 345.8/25

diff_bpm0l06Y_rms vs slug



Right In: 1813.777+/-0.412 χ^2/NDF : 563138.4/15

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

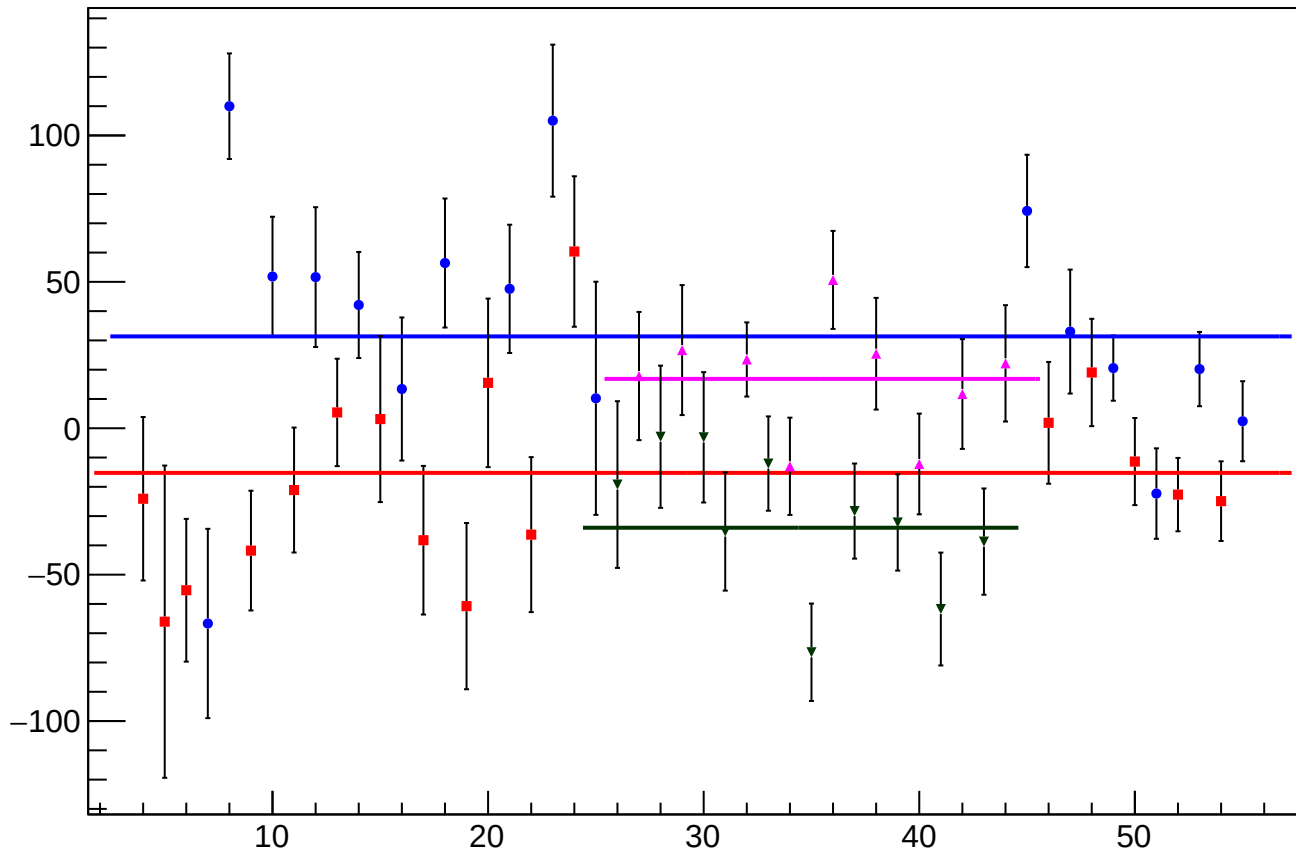
Right Out: 1825.310+/-0.434 χ^2/NDF : 340974.0/16

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

1926.510+/-0.355 χ^2/NDF : 1187190.1/25

1945.373+/-0.365 χ^2/NDF : 952068.4/25

diff_bpm0l07X_mean vs slug



Right In: 31.373 ± 4.568 $\chi^2/\text{NDF}: 64.3/15$

Left Out: -33.973 ± 5.967 $\chi^2/\text{NDF}: 14.5/9$

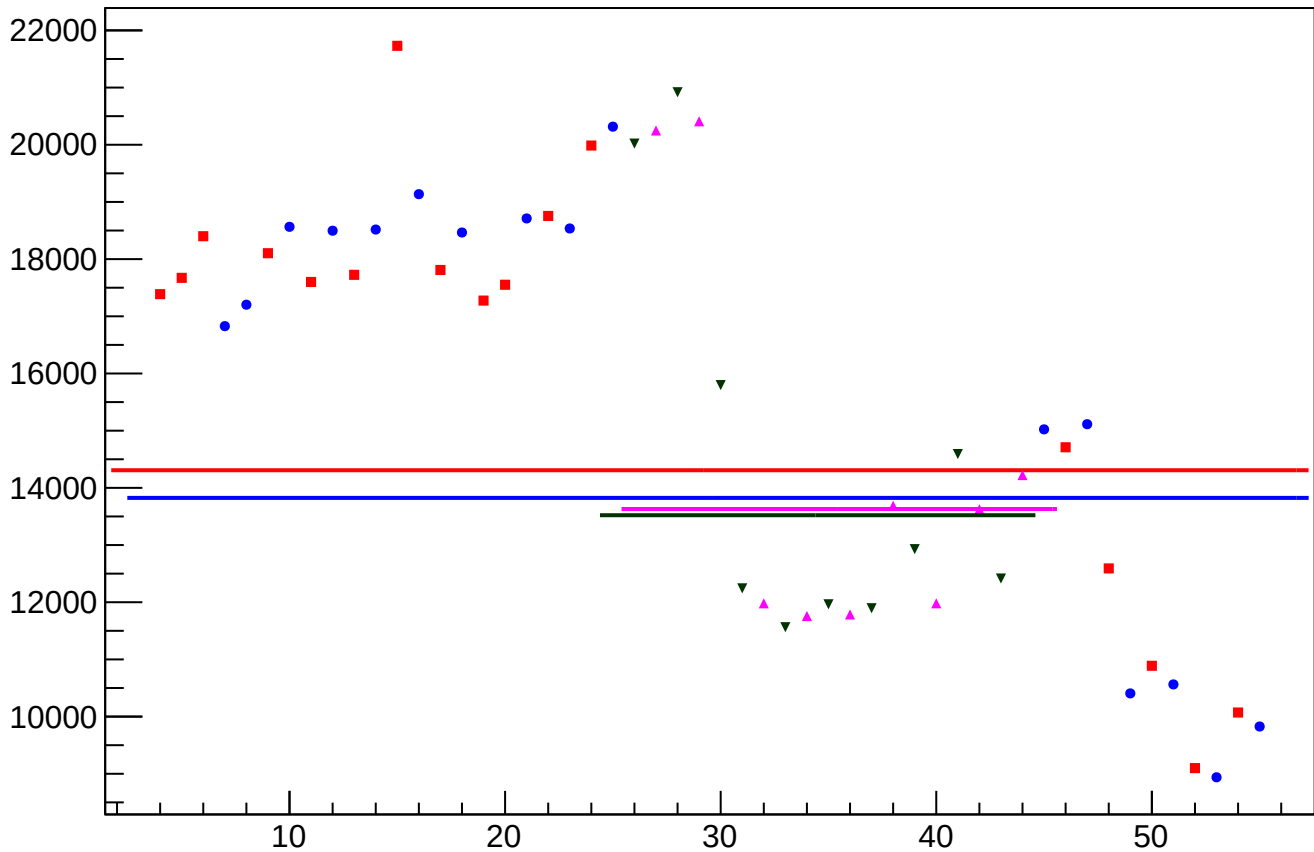
Right Out: -15.236 ± 4.960 $\chi^2/\text{NDF}: 26.1/16$

Left In: 16.860 ± 5.867 $\chi^2/\text{NDF}: 11.0/8$

7.231 ± 3.627 $\chi^2/\text{NDF}: 154.4/25$

-1.857 ± 3.788 $\chi^2/\text{NDF}: 54.5/25$

diff_bpm0l07X_rms vs slug



Right In: 13824.648+/-3.230 χ^2/NDF : 1568474.5/15

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

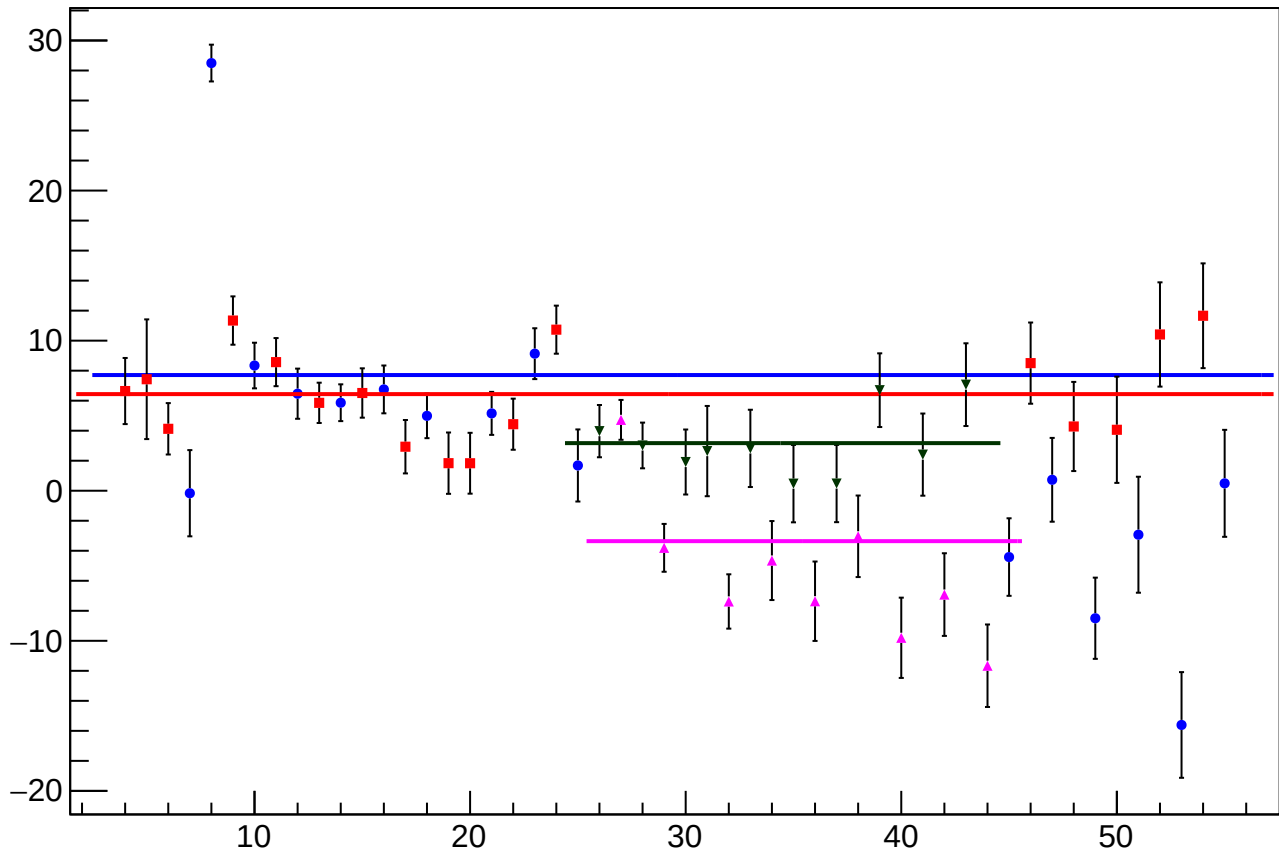
13712.677+/-2.565 χ^2/NDF : 1973778.1/25

Right Out: 14308.117+/-3.507 χ^2/NDF : 1314567.4/16

14025.586+/-2.678 χ^2/NDF : 1803348.2/25

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

diff_bpm0l07Y_mean vs slug



Right In: 7.709 ± 0.459 χ^2/NDF : 431.9/15

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

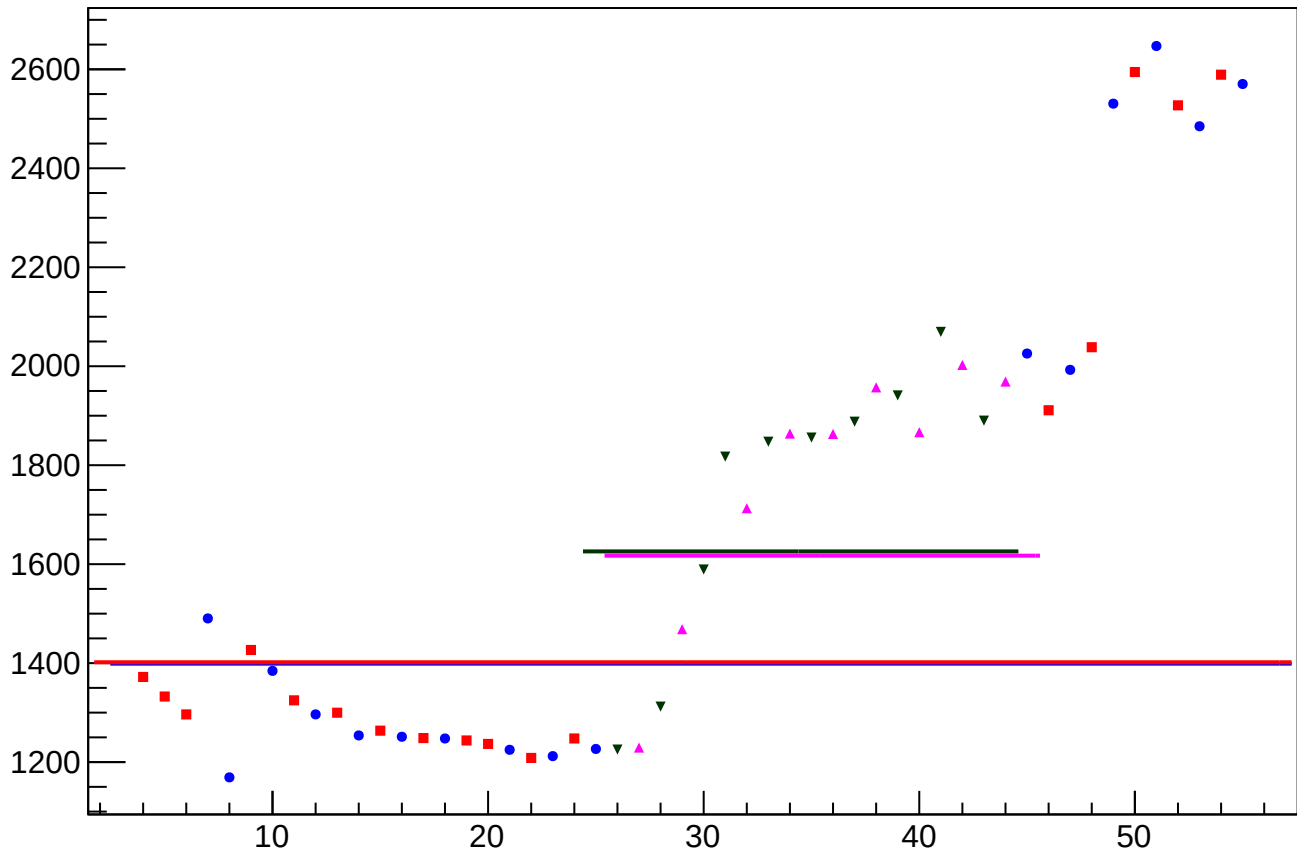
Right Out: 6.438 ± 0.480 χ^2/NDF : 40.9/16

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

6.378 ± 0.386 χ^2/NDF : 467.5/25

3.249 ± 0.394 χ^2/NDF : 237.6/25

diff_bpm0l07Y_rms vs slug



Right In: 1398.952+/-0.325 χ^2/NDF : 1383301.2/15

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

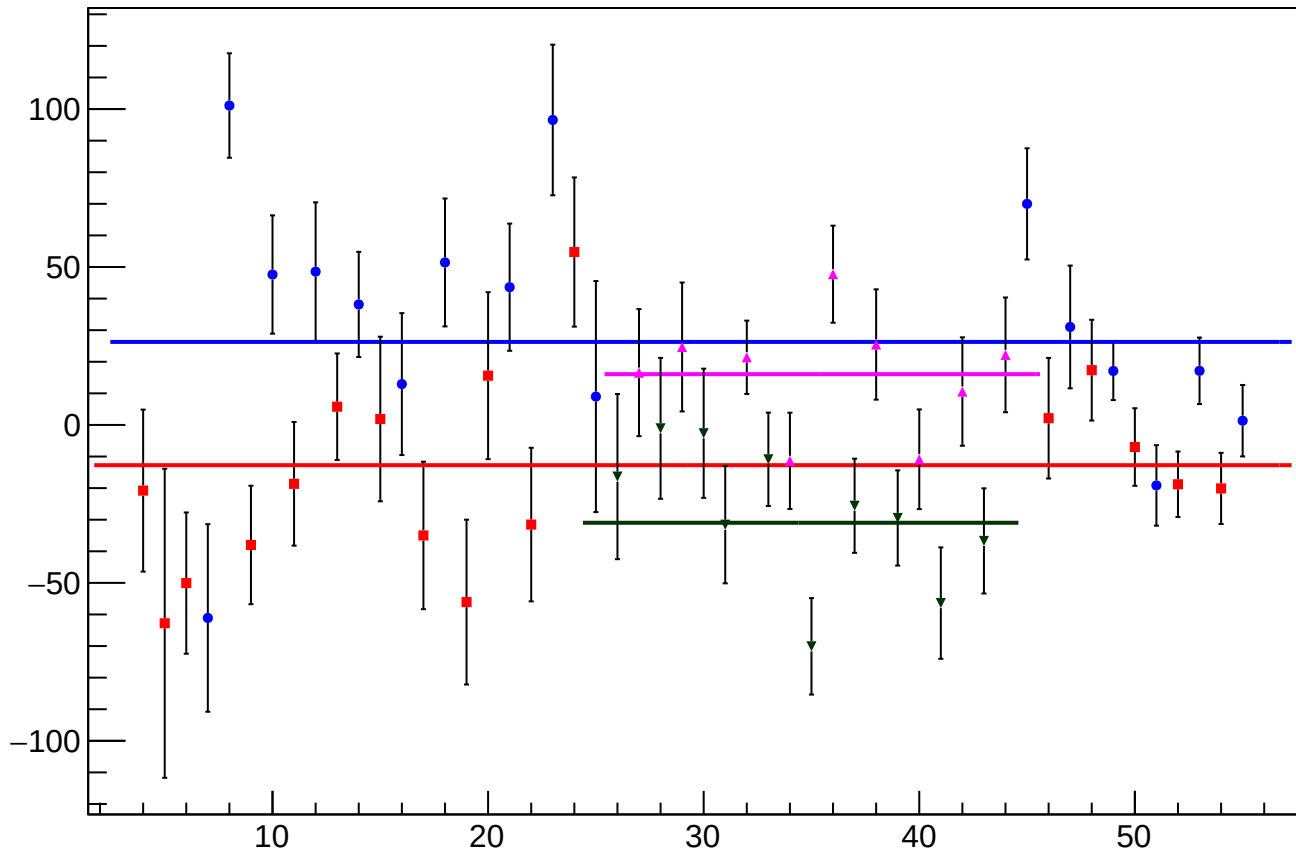
1465.484+/-0.273 χ^2/NDF : 1881047.7/25

Right Out: 1401.787+/-0.339 χ^2/NDF : 954934.7/16

1471.873+/-0.279 χ^2/NDF : 1435092.5/25

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

diff_bpm0l08X_mean vs slug



Right In: 26.286 ± 3.971 χ^2/NDF : 69.1/15

Left Out: -30.968 ± 5.475 χ^2/NDF : 14.8/9

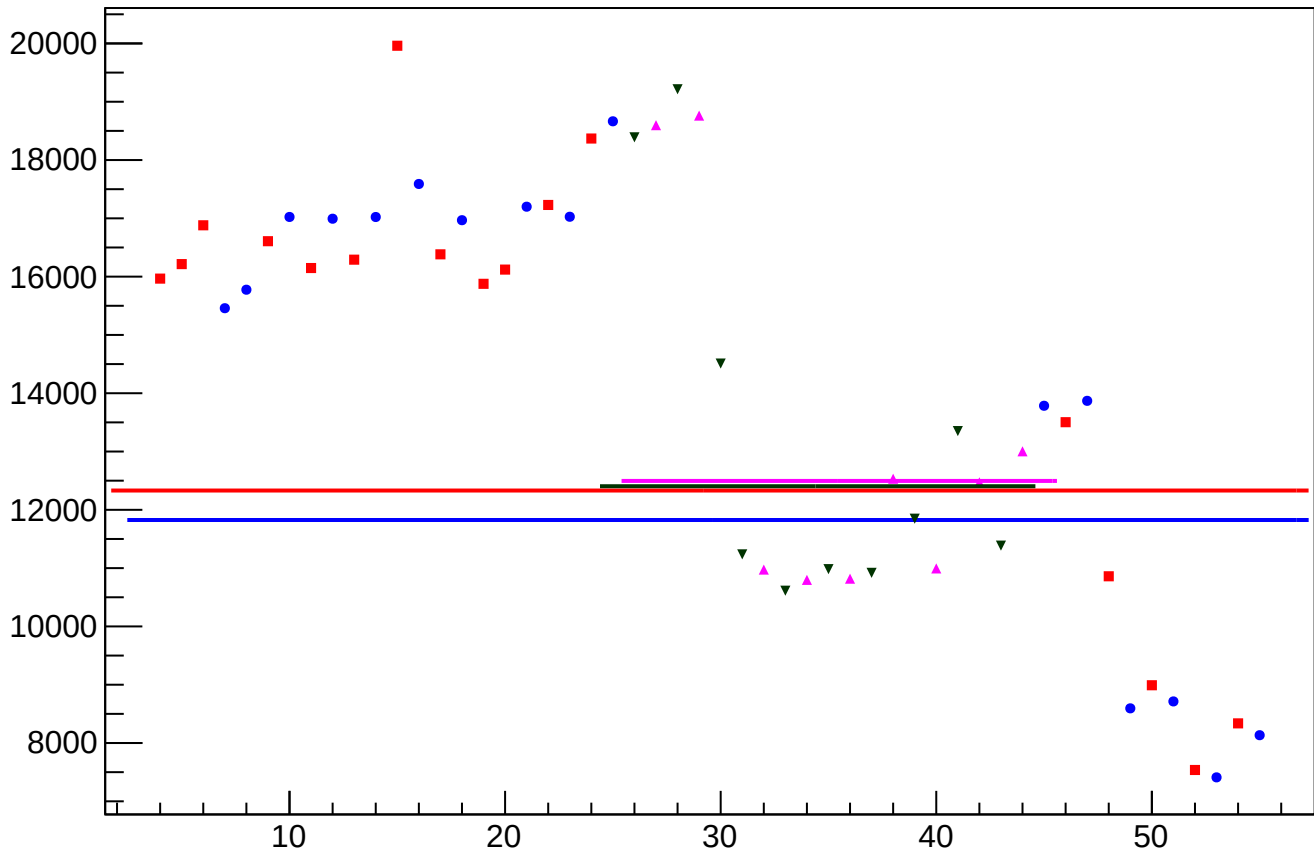
Right Out: -12.740 ± 4.341 χ^2/NDF : 26.1/16

Left In: 16.079 ± 5.379 χ^2/NDF : 11.3/8

6.551 ± 3.214 χ^2/NDF : 155.5/25

-1.375 ± 3.378 χ^2/NDF : 54.8/25

diff_bpm0l08X_rms vs slug



Right In: 11825.403+/-2.808 χ^2/NDF : 2150677.6/15

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

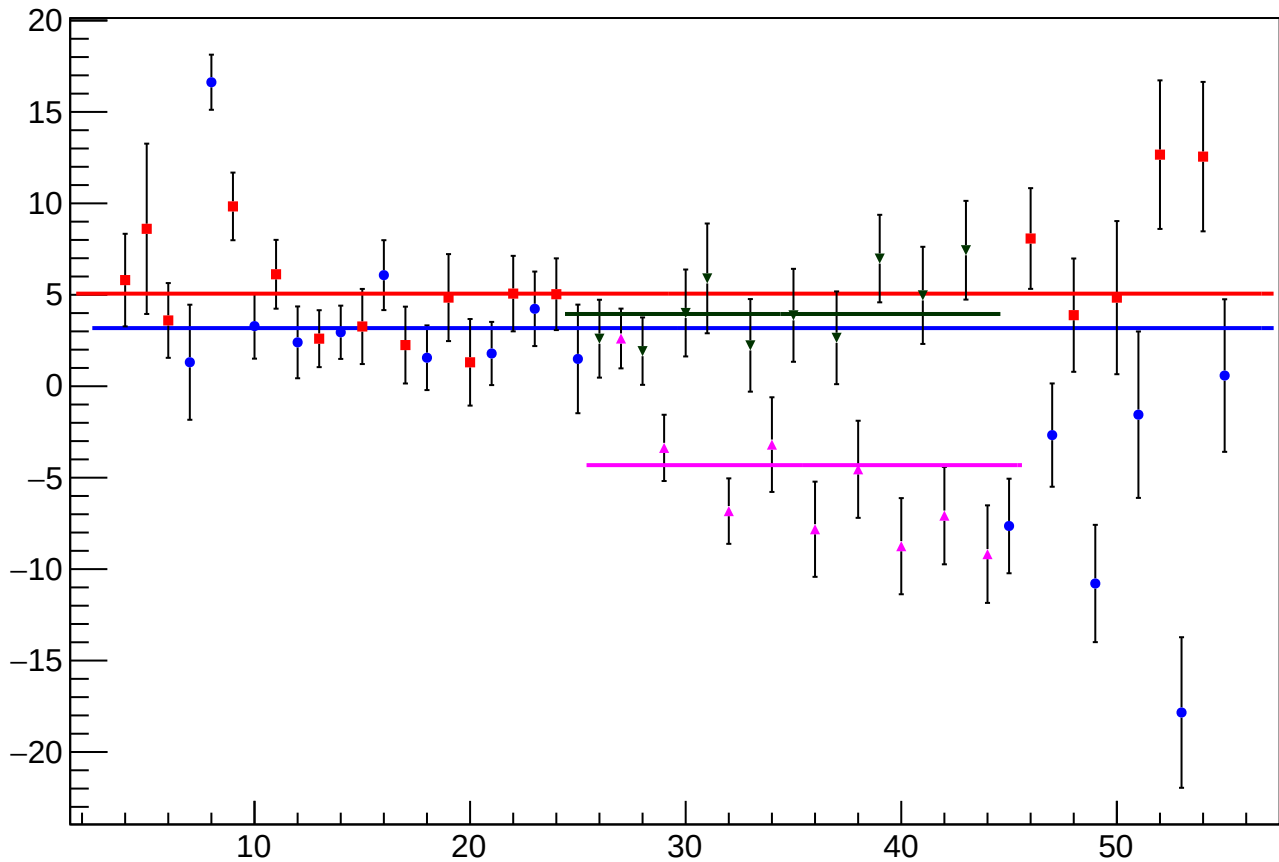
12025.068+/-2.273 χ^2/NDF : 2568220.0/25

Right Out: 12331.115+/-3.069 χ^2/NDF : 1798527.0/16

12396.034+/-2.389 χ^2/NDF : 2275170.3/25

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

diff_bpm0l08Y_mean vs slug



Right In: 3.179 ± 0.542 χ^2/NDF : 152.8/15

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

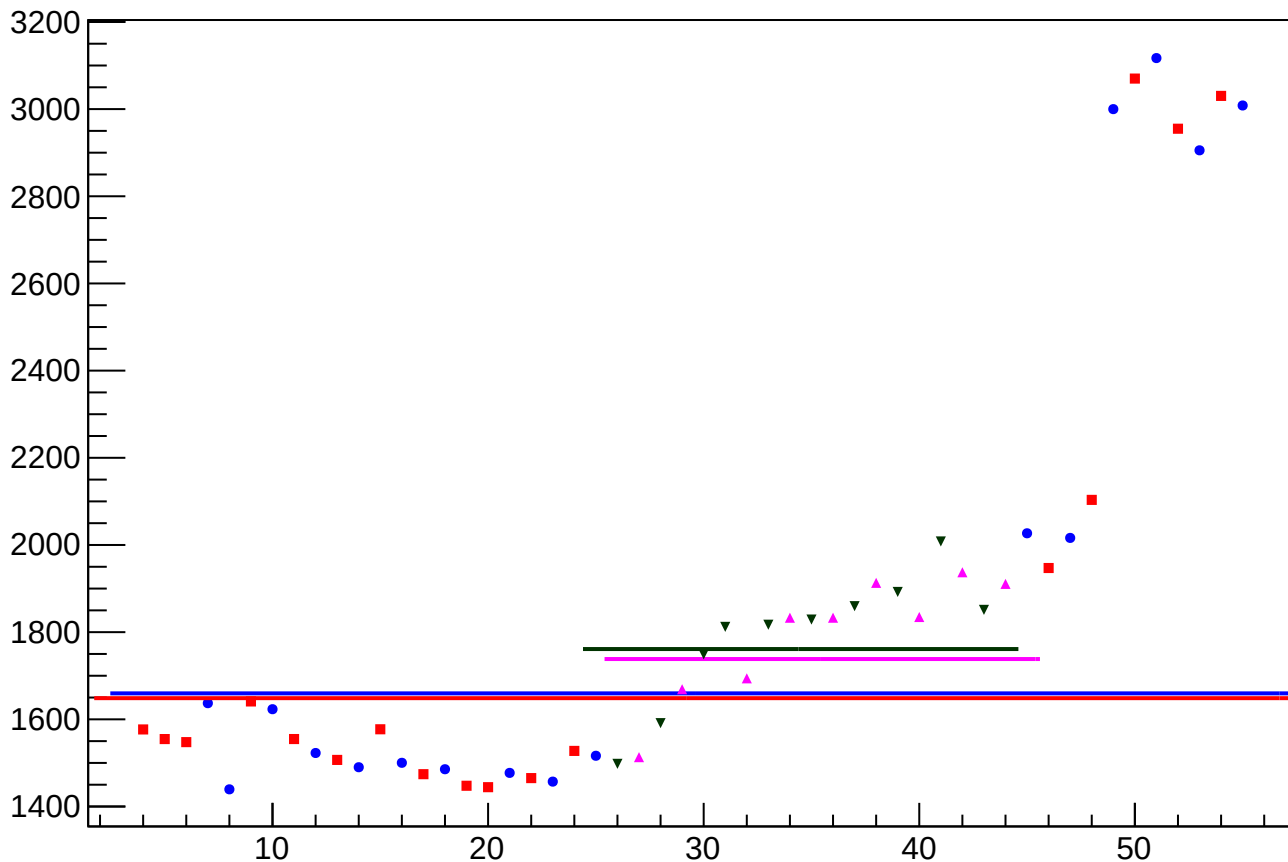
Right Out: 5.063 ± 0.563 χ^2/NDF : 23.9/16

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

3.439 ± 0.441 χ^2/NDF : 159.7/25

1.591 ± 0.447 χ^2/NDF : 156.2/25

diff_bpm0l08Y_rms vs slug



Right In: 1659.566+/-0.383 χ^2/NDF : 1179411.3/15

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

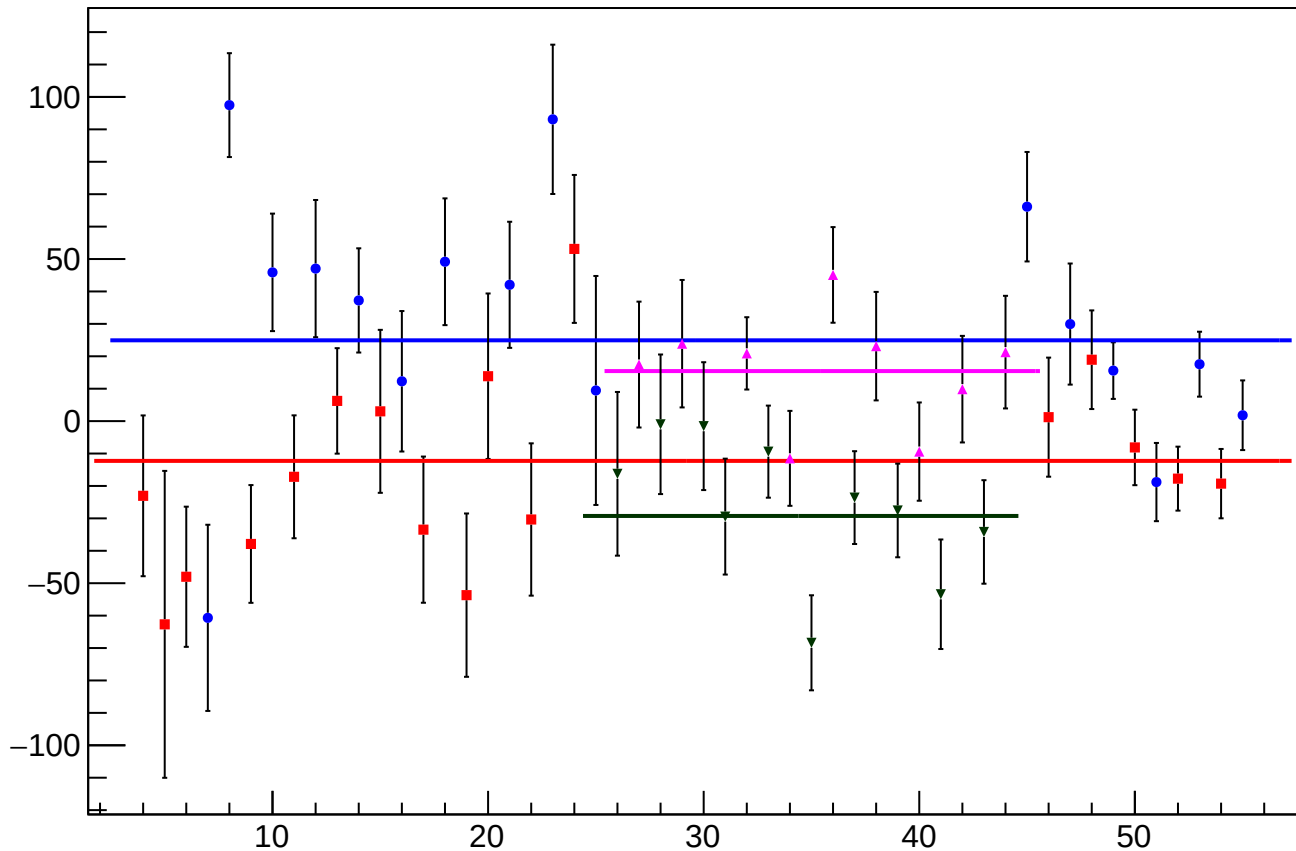
Right Out: 1648.569+/-0.398 χ^2/NDF : 830340.6/16

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

1693.724+/-0.312 χ^2/NDF : 1282225.2/25

1681.810+/-0.316 χ^2/NDF : 927511.4/25

diff_bpm0l09X_mean vs slug



Right In: 24.924 $\pm$ 3.798 χ^2 /NDF: 69.5/15

Left Out: -29.254 $\pm$ 5.260 χ^2 /NDF:15.3/9

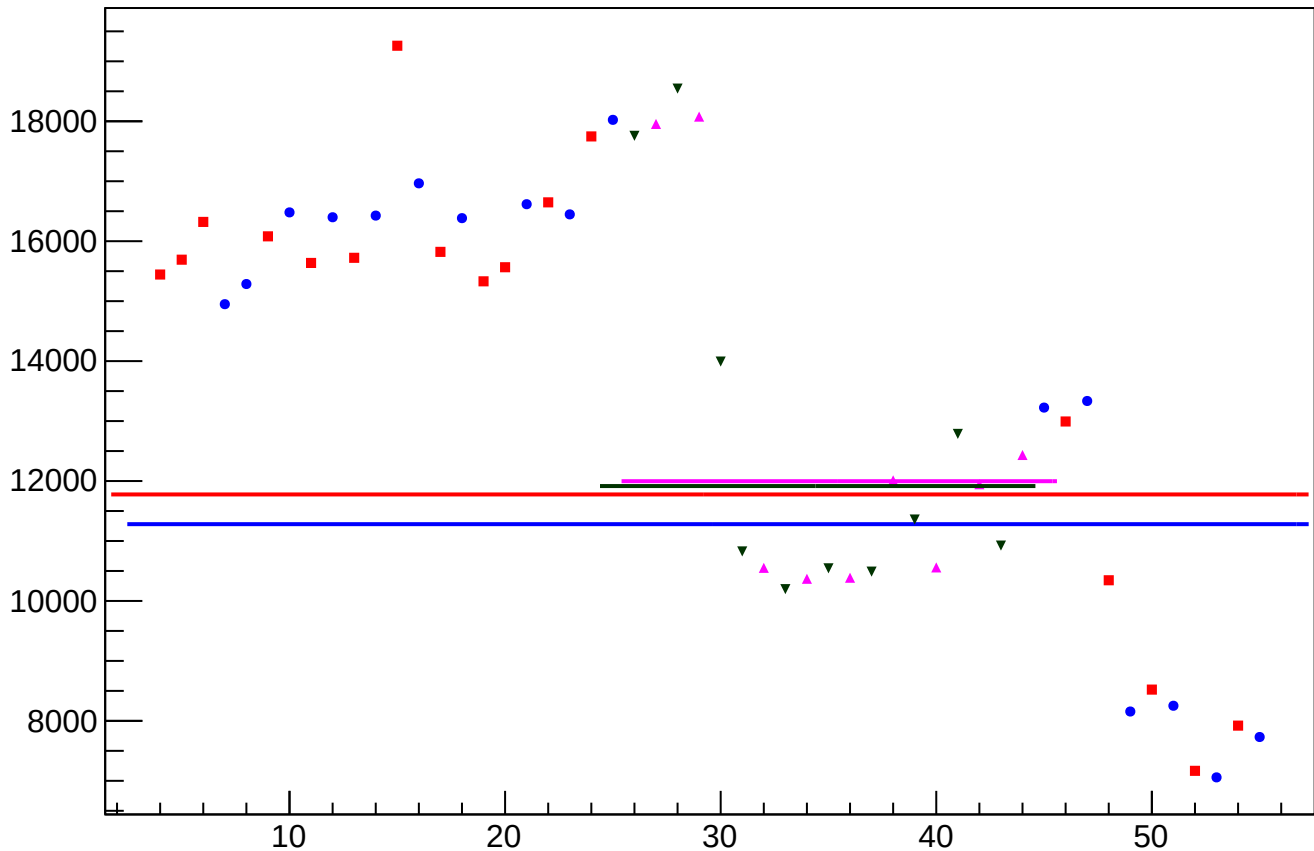
Right Out: -12.268 $\pm$ 4.157 χ^2 /NDF: 26.8/16

Left In: 15.435 $\pm$ 5.166 χ^2 /NDF:11.0/8

6.359 $\pm$ 3.079 χ^2 /NDF: 154.6/25

-1.379 $\pm$ 3.238 χ^2 /NDF: 55.3/25

diff_bpm0l09X_rms vs slug



Right In: 11280.676+/-2.686 χ^2 /NDF: 2249060.2/15

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

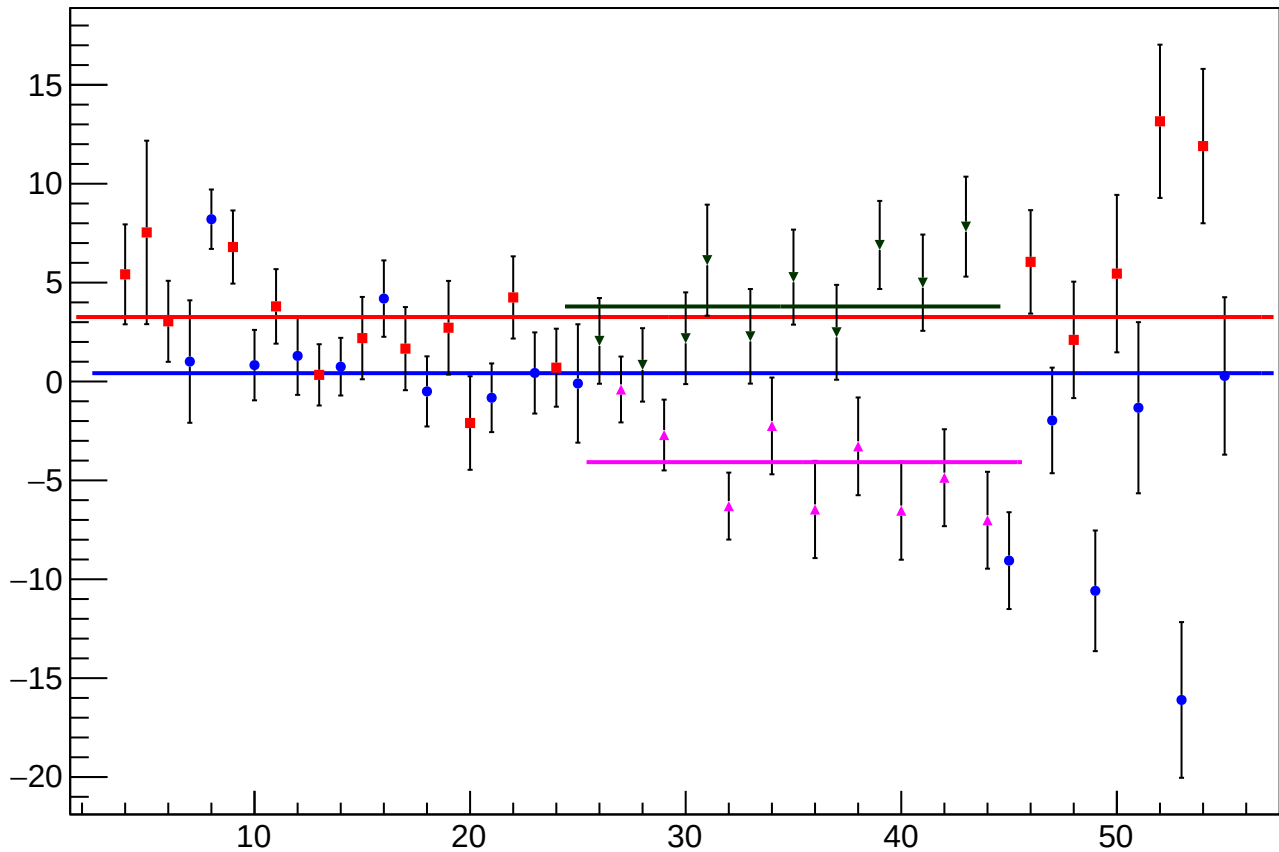
11498.458+/-2.177 χ^2 /NDF: 2677217.7/25

Right Out: 11776.413+/-2.939 χ^2 /NDF: 188606.3/16

11863.198+/-2.290 χ^2 /NDF: 2369955.5/25

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

diff_bpm0l09Y_mean vs slug



Right In: 0.421 ± 0.538 $\chi^2/\text{NDF}: 78.4/15$

Left Out: 3.793 ± 0.732 $\chi^2/\text{NDF}: 10.2/9$

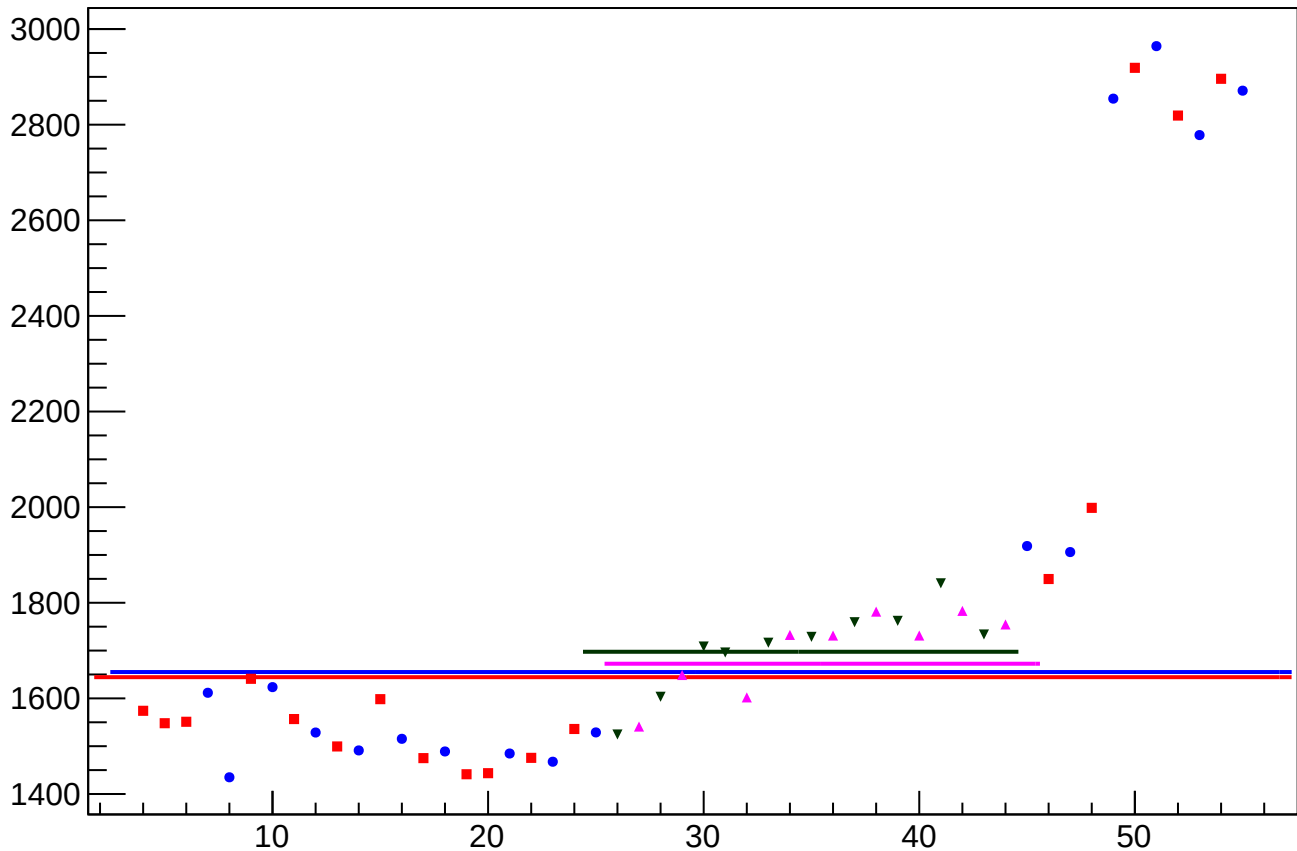
Right Out: 3.260 ± 0.560 $\chi^2/\text{NDF}: 29.9/16$

Left In: -4.078 ± 0.705 $\chi^2/\text{NDF}: 11.3/8$

1.603 ± 0.434 $\chi^2/\text{NDF}: 102.3/25$

0.421 ± 0.438 $\chi^2/\text{NDF}: 107.7/25$

diff_bpm0l09Y_rms vs slug



Right In: 1655.111+/-0.381 χ^2/NDF : 1027578.3/15

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

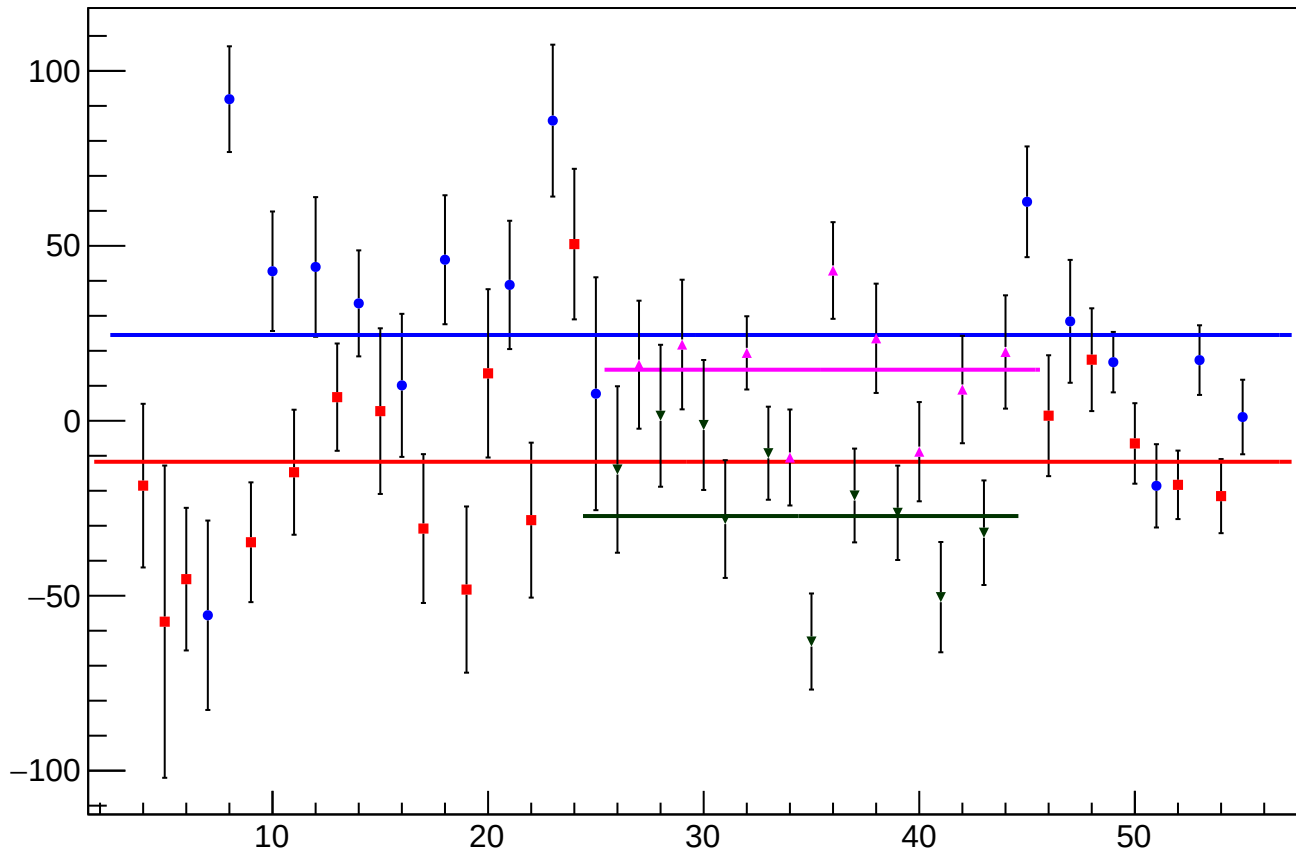
1669.980+/-0.307 χ^2/NDF : 1060681.1/25

Right Out: 1644.356+/-0.396 χ^2/NDF : 726426.3/16

1655.239+/-0.310 χ^2/NDF : 758370.3/25

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

diff_bpm0l10X_mean vs slug



Right In: 24.525 $\pm$ 3.677 χ^2 /NDF: 66.9/15

Left Out: -27.224 $\pm$ 4.929 χ^2 /NDF:15.4/9

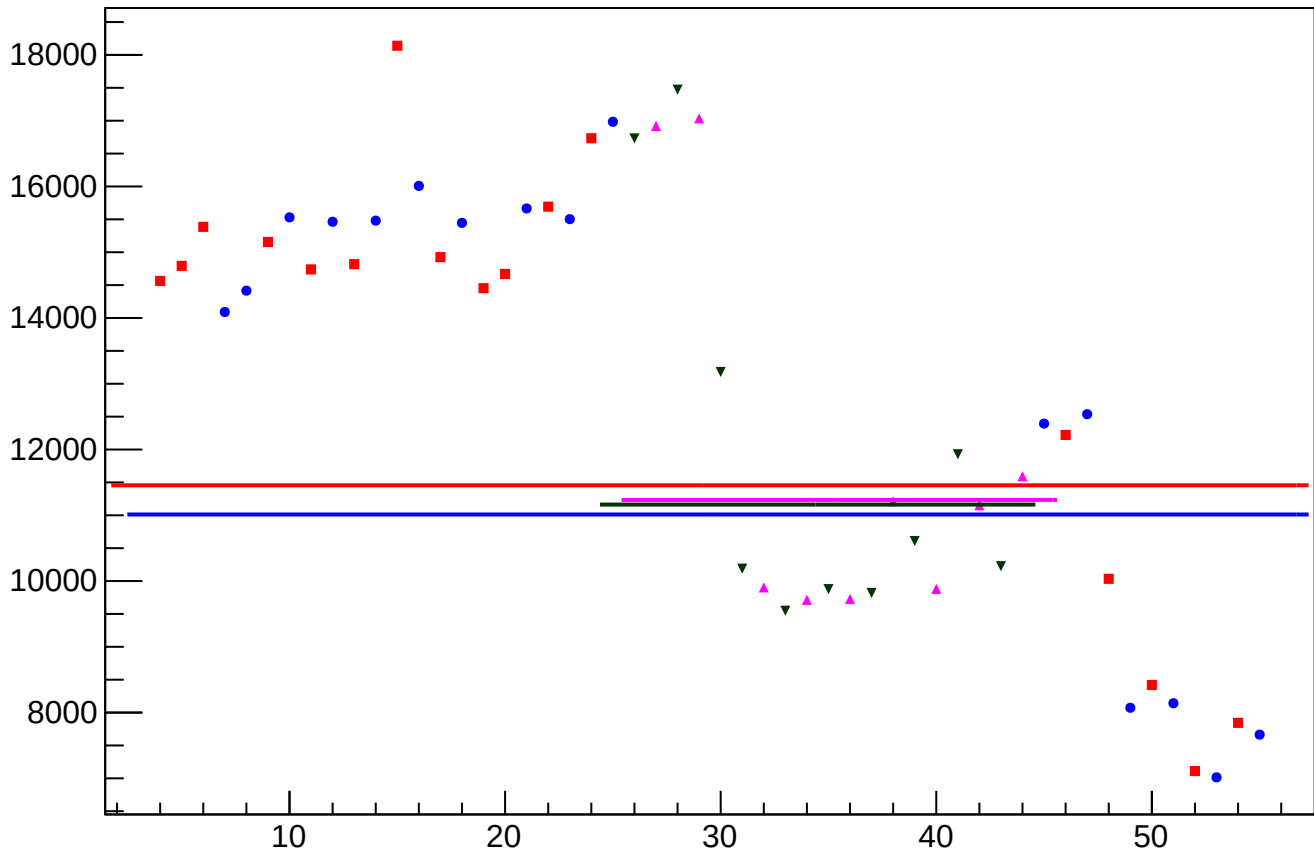
Right Out: -11.713 $\pm$ 4.012 χ^2 /NDF: 26.8/16

Left In: 14.599 $\pm$ 4.839 χ^2 /NDF:11.2/8

6.027 $\pm$ 2.947 χ^2 /NDF: 153.1/25

-0.993 $\pm$ 3.088 χ^2 /NDF: 55.5/25

diff_bpm0l10X_rms vs slug



Right In: 11012.178 $\pm$ 2.600 χ^2 /NDF: 1953060.1/15

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

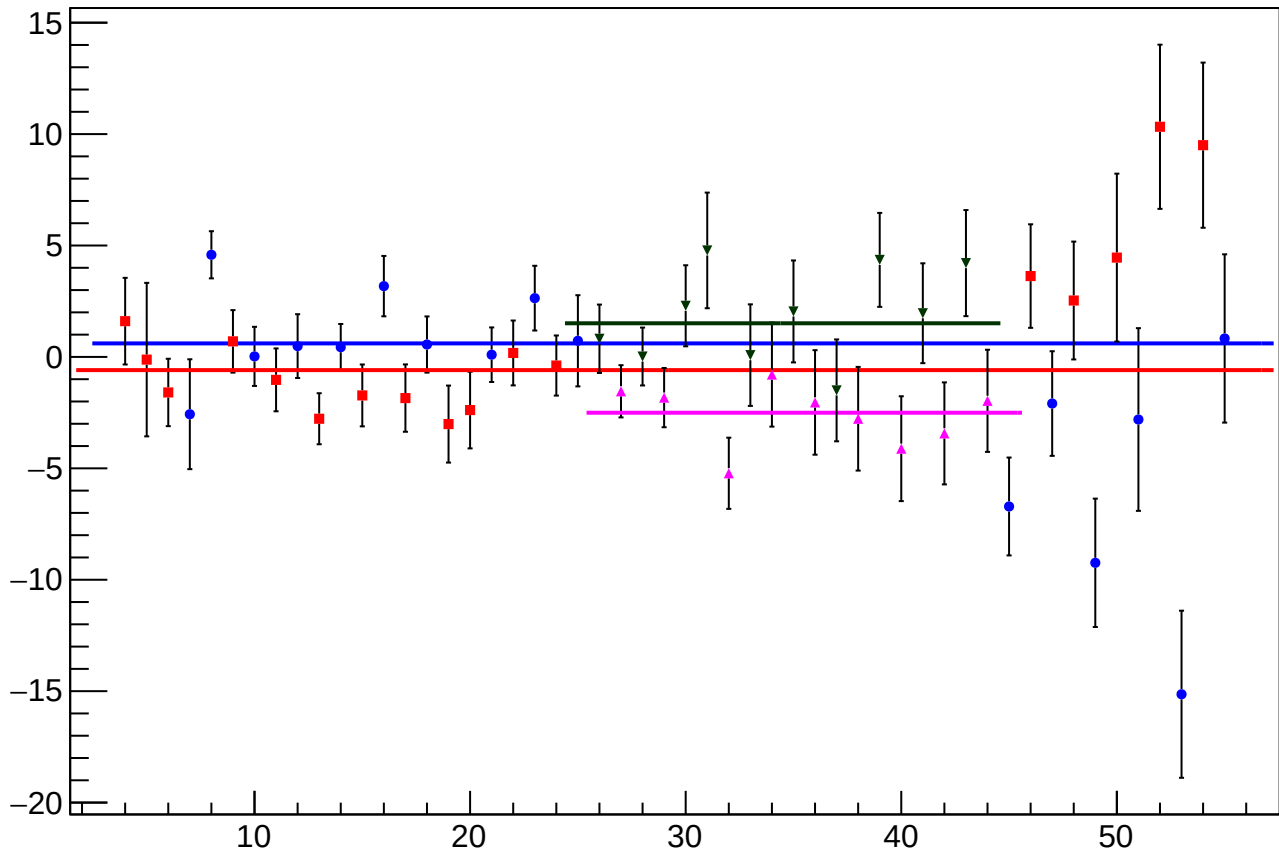
11066.011 $\pm$ 2.084 χ^2 /NDF: 2370638.0/25

Right Out: 11456.036 $\pm$ 2.837 χ^2 /NDF: 1640625.5/16

11365.610 $\pm$ 2.184 χ^2 /NDF: 2132384.1/25

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

diff_bpm0l10Y_mean vs slug



Right In: 0.607 ± 0.398 χ^2/NDF : 64.2/15

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

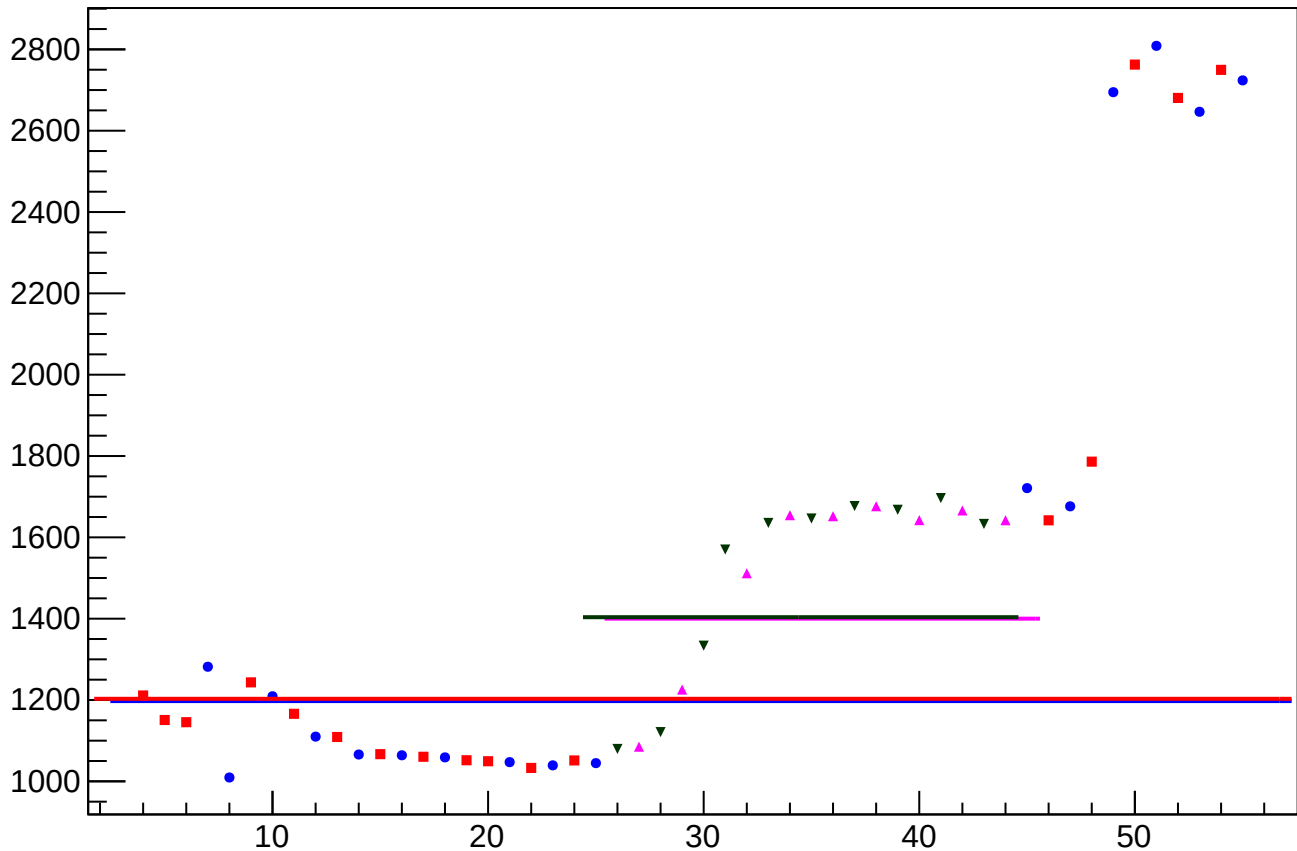
Right Out: -0.592 ± 0.417 χ^2/NDF : 33.7/16

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

0.874 ± 0.334 χ^2/NDF : 74.3/25

-1.217 ± 0.342 χ^2/NDF : 45.7/25

diff_bpm0l10Y_rms vs slug



Right In: 1197.336+/-0.282 χ^2/NDF : 1885342.5/15

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

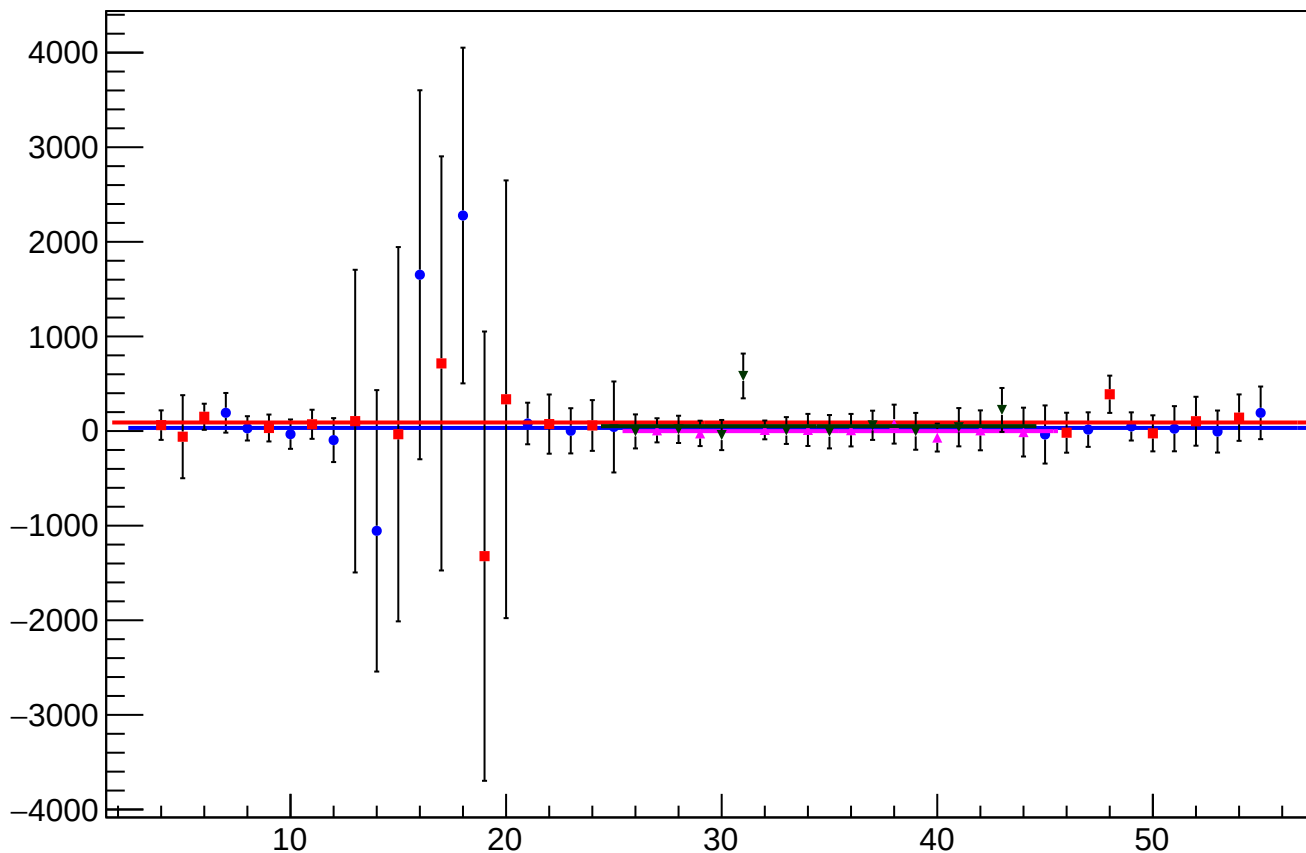
1258.322+/-0.236 χ^2/NDF : 2394864.0/25

Right Out: 1202.976+/-0.295 χ^2/NDF : 1322174.1/16

1267.429+/-0.242 χ^2/NDF : 1802595.0/25

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

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs slug



Right In: 32.896+/-55.609 χ^2/NDF : 4.4/15

Left Out: 51.986+/-55.093 χ^2/NDF : 6.4/9

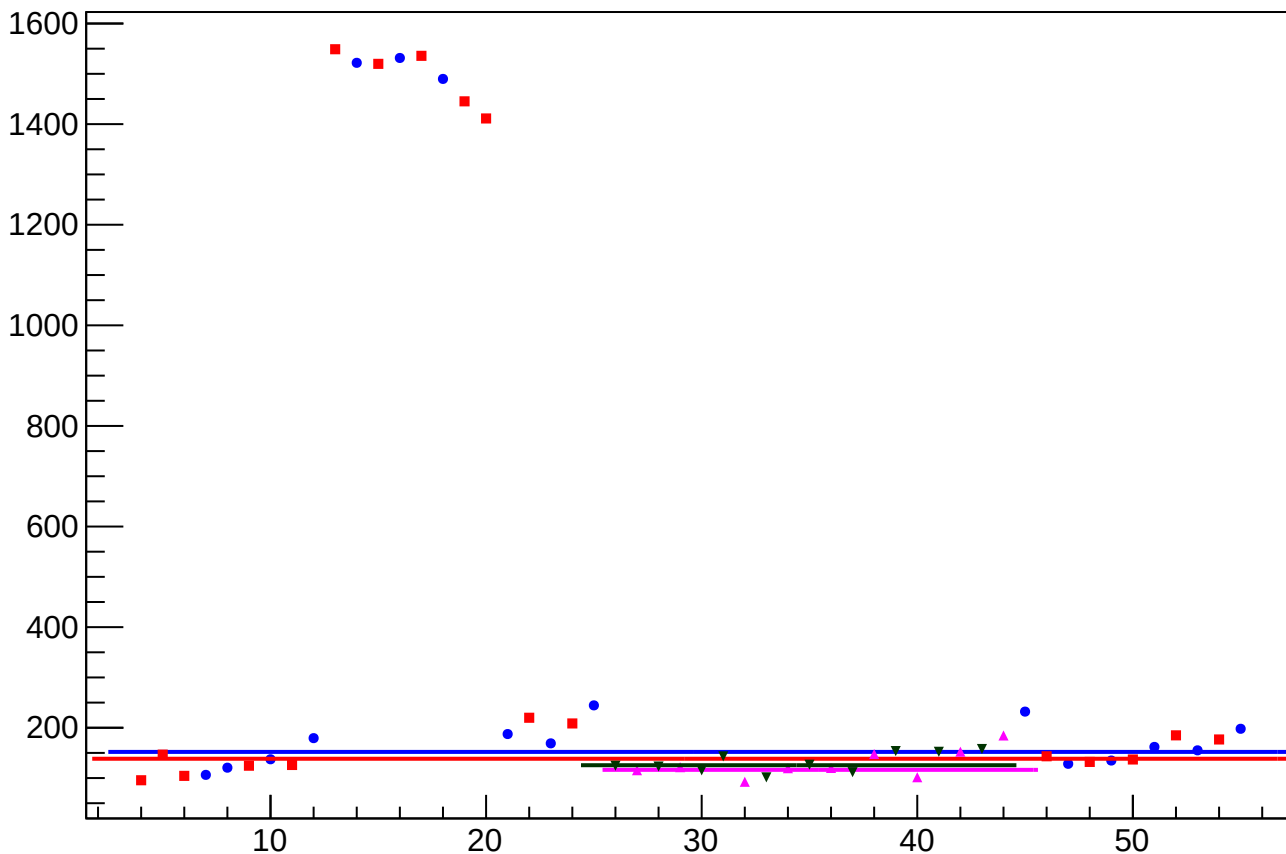
Right Out: 90.533+/-55.622 χ^2/NDF : 4.0/16

Left In: -1.037+/-50.364 χ^2/NDF : 0.4/8

42.530+/-39.138 χ^2/NDF : 10.8/25

40.217+/-37.334 χ^2/NDF : 5.9/25

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs slug



Right In: 151.982+/-0.039 χ^2/NDF : 4485015.8/15

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

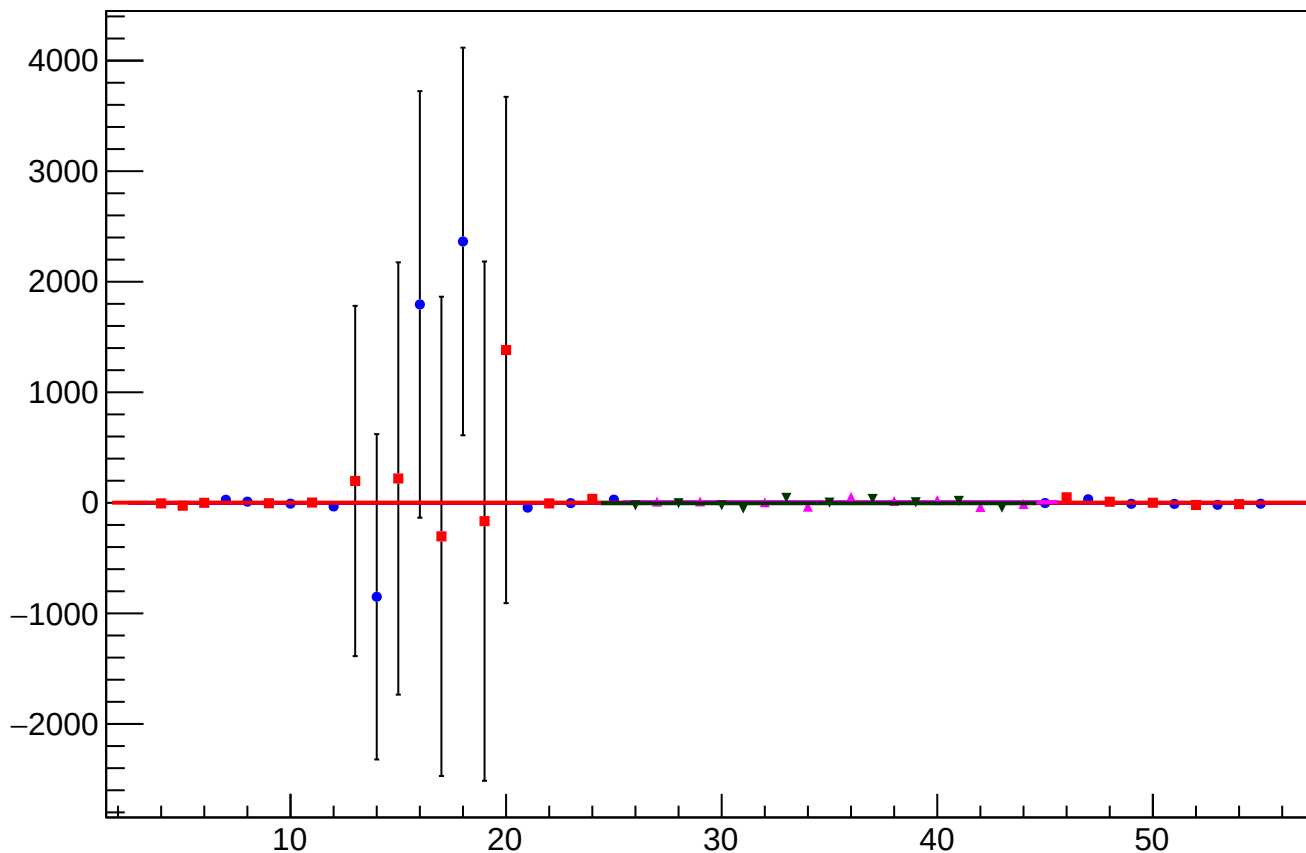
138.631+/-0.028 χ^2/NDF : 4922478.0/25

Right Out: 138.389+/-0.039 χ^2/NDF : 5251142.6/16

126.258+/-0.026 χ^2/NDF : 5808264.5/25

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

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs slug



Right In: -0.550+/-5.026 χ^2/NDF : 14.6/15

Left Out: -3.746+/-7.432 χ^2/NDF : 14.5/9

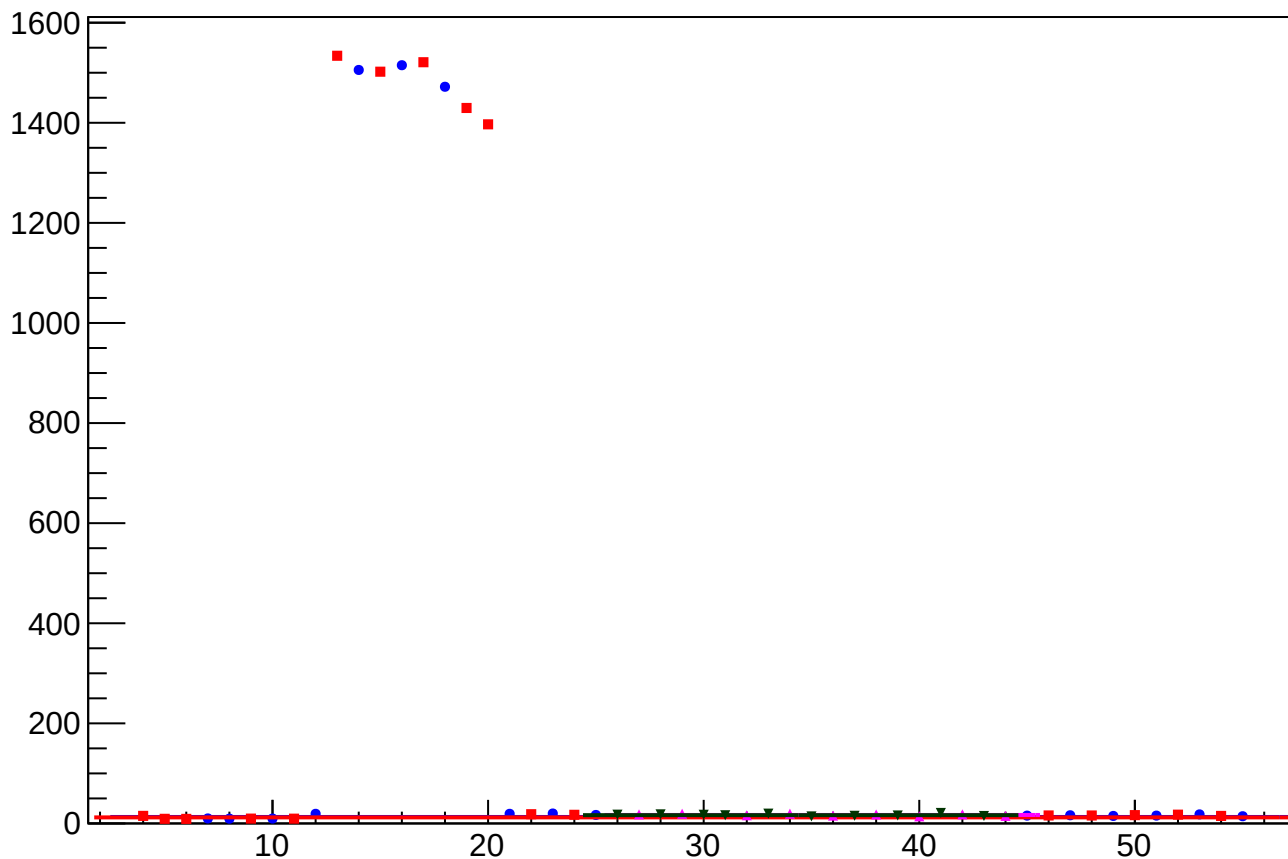
Right Out: 1.481+/-5.106 χ^2/NDF : 9.5/16

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

-1.553+/-4.163 χ^2/NDF : 29.3/25

3.445+/-4.211 χ^2/NDF : 20.4/25

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs slug



Right In: 12.948+/-0.004 χ^2/NDF : 5692981.4/15

Left Out: 16.582+/-0.005 χ^2/NDF :133569.4/9

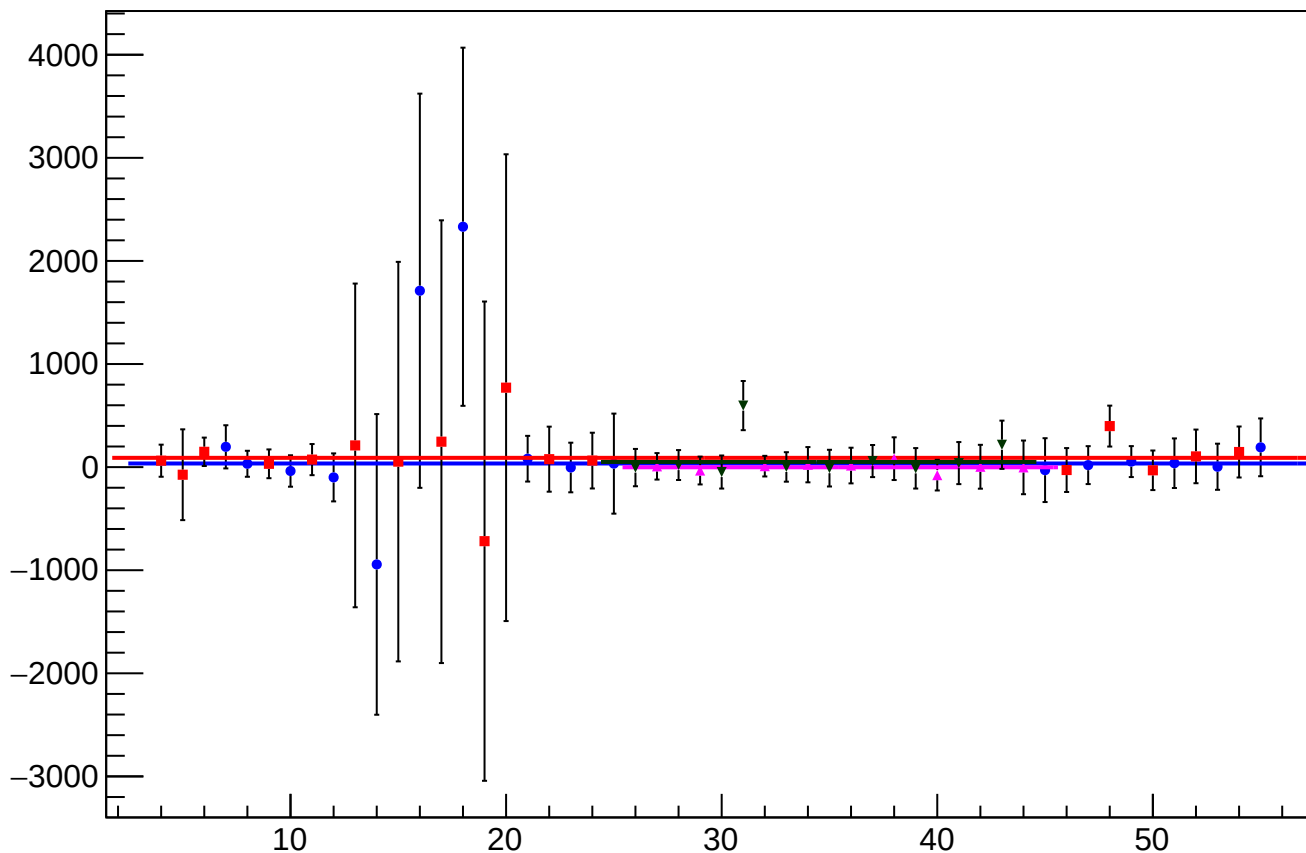
Right Out: 12.111+/-0.004 χ^2/NDF : 6344778.4/16

Left In: 16.955+/-0.005 χ^2/NDF :111170.8/8

14.089+/-0.003 χ^2/NDF : 6154713.3/25

13.662+/-0.003 χ^2/NDF : 7032055.9/25

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs slug



Right In: 35.224 ± 55.513 χ^2/NDF : 4.6/15

Left Out: 50.113 ± 55.521 χ^2/NDF : 6.6/9

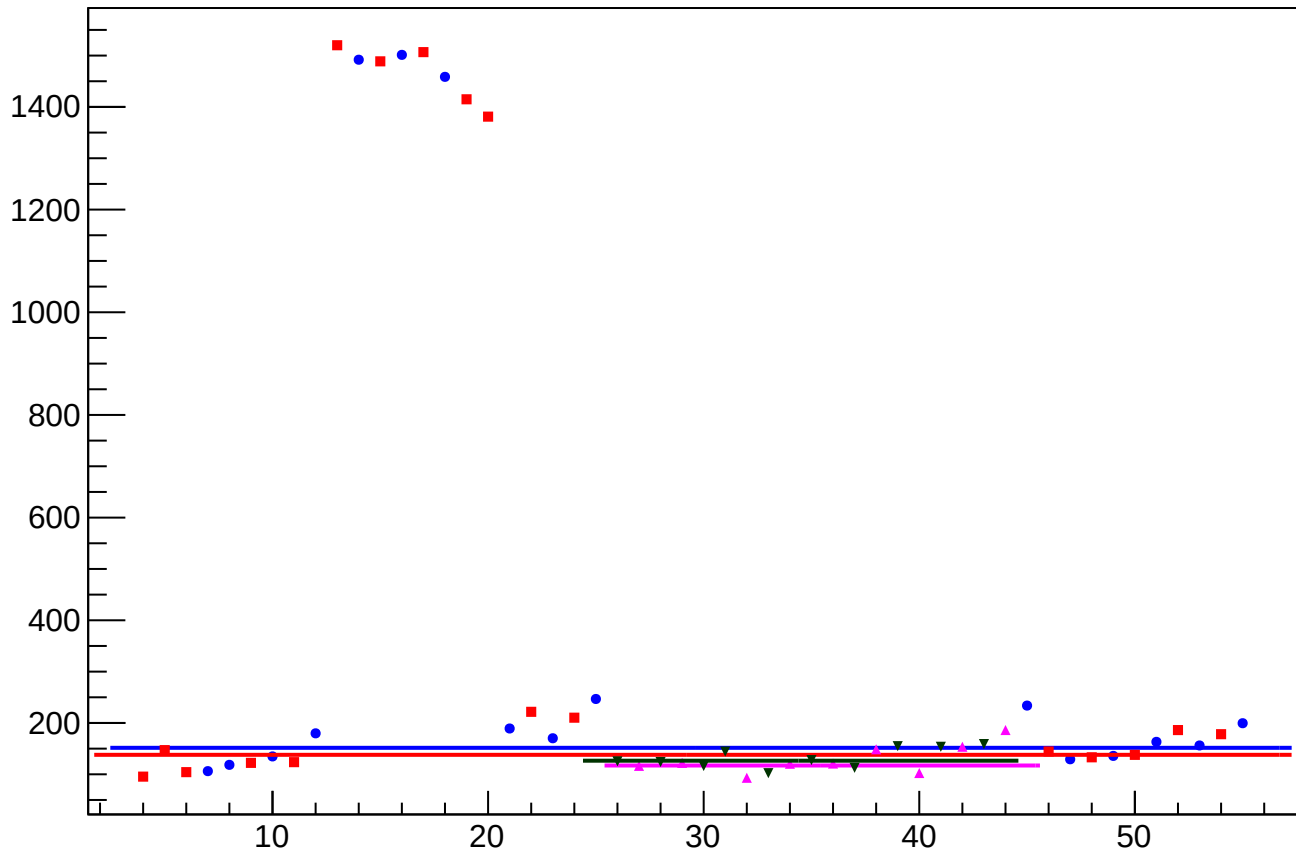
Right Out: 90.013 ± 55.469 χ^2/NDF : 3.9/16

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

42.668 ± 39.256 χ^2/NDF : 11.2/25

40.056 ± 37.435 χ^2/NDF : 6.0/25

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs slug



Right In: 151.599+/-0.039 χ^2/NDF : 4508012.4/15

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

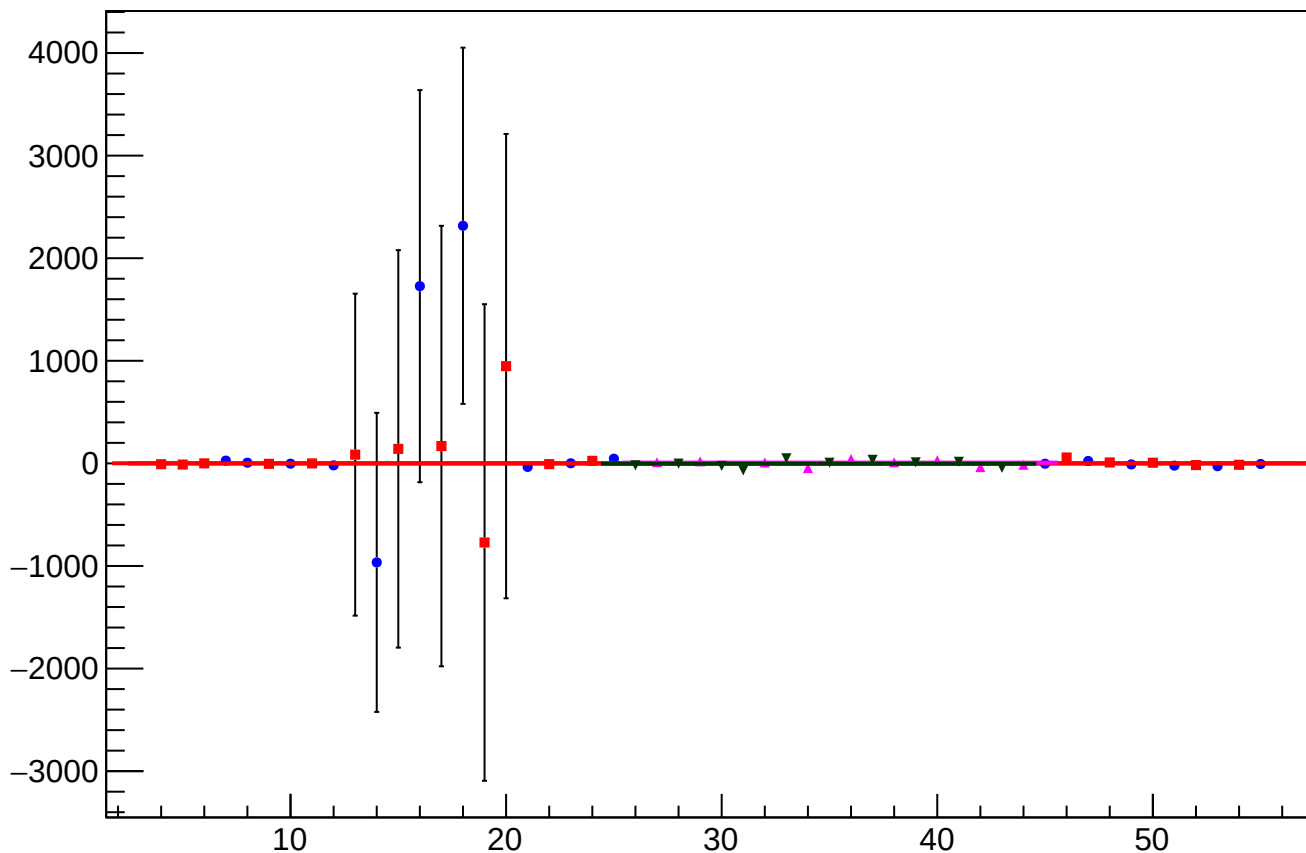
139.050+/-0.028 χ^2/NDF : 4921630.5/25

Right Out: 137.944+/-0.039 χ^2/NDF : 5262728.3/16

126.616+/-0.026 χ^2/NDF : 5800621.5/25

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

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs slug



Right In: -0.436+/-4.664 χ^2/NDF : 13.8/15

Left Out: -3.293+/-7.243 χ^2/NDF : 18.2/9

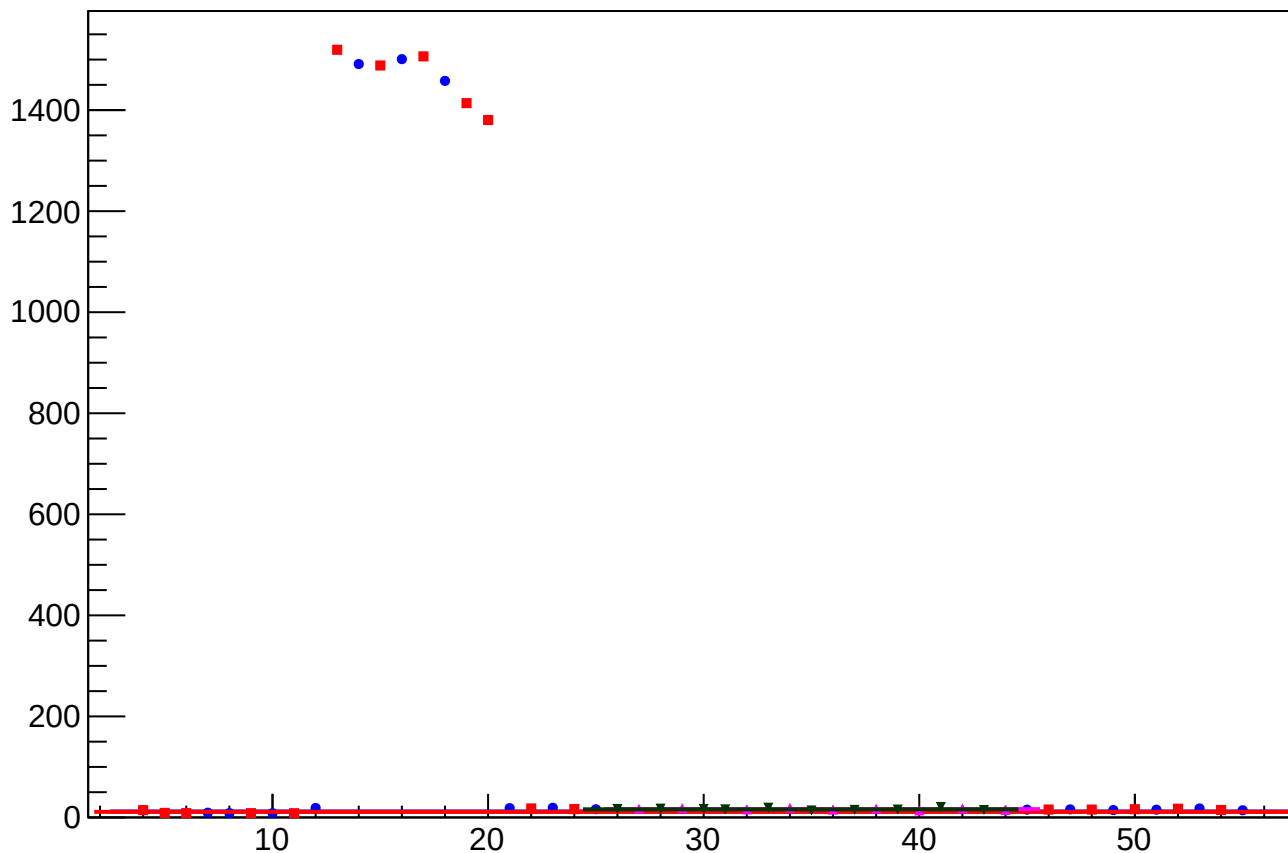
Right Out: 1.014+/-4.738 χ^2/NDF : 9.3/16

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

-1.274+/-3.922 χ^2/NDF : 32.1/25

3.001+/-3.967 χ^2/NDF : 21.3/25

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs slug



Right In: 11.837+/-0.003 χ^2 /NDF: 6040737.7/15

Left Out: 16.136+/-0.005 χ^2 /NDF:128057.2/9

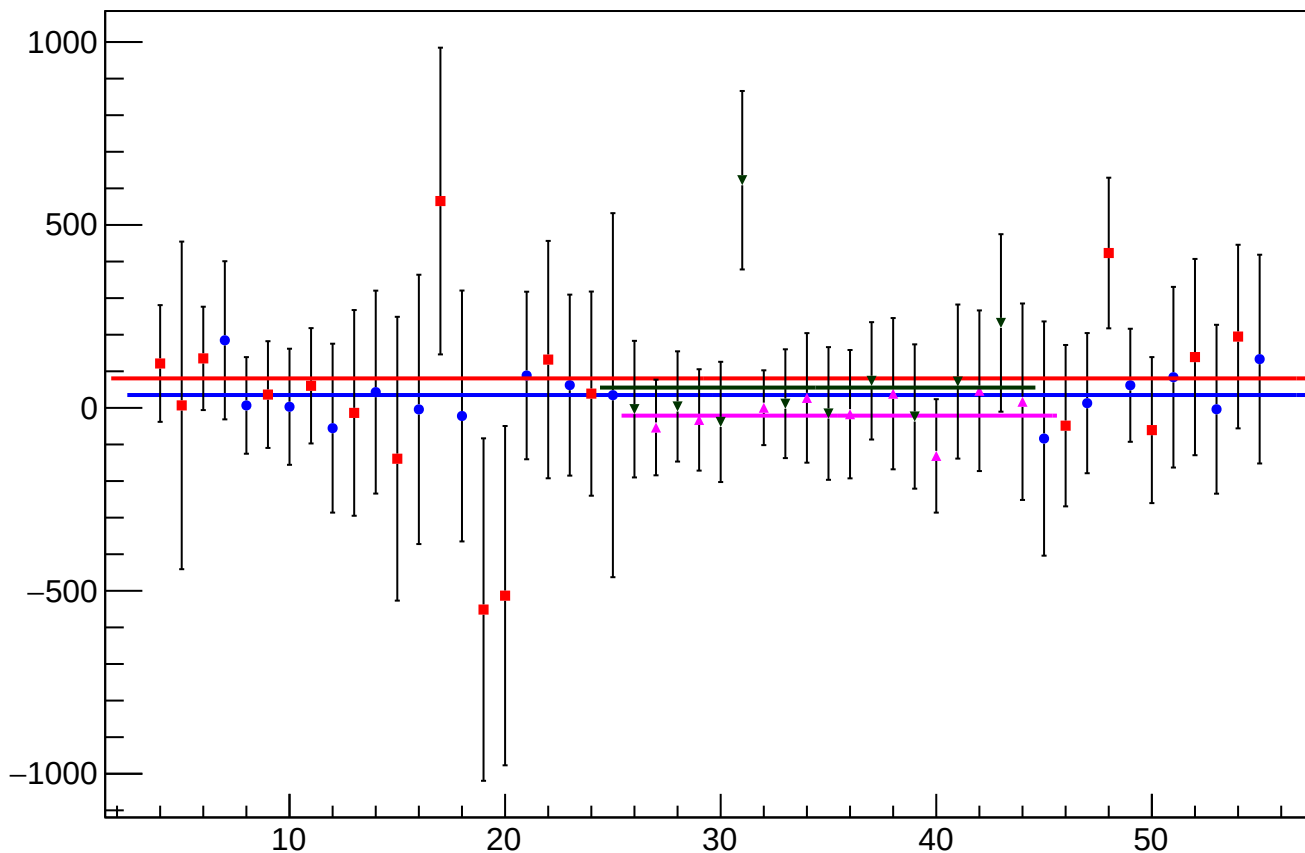
Right Out: 11.101+/-0.003 χ^2 /NDF: 6588413.5/16

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

13.097+/-0.003 χ^2 /NDF: 6666840.6/25

12.716+/-0.003 χ^2 /NDF: 7467974.7/25

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs slug



Right In: 35.175+/-54.885 χ^2/NDF : 1.2/15

Left Out: 55.504+/-57.134 χ^2/NDF : 6.9/9

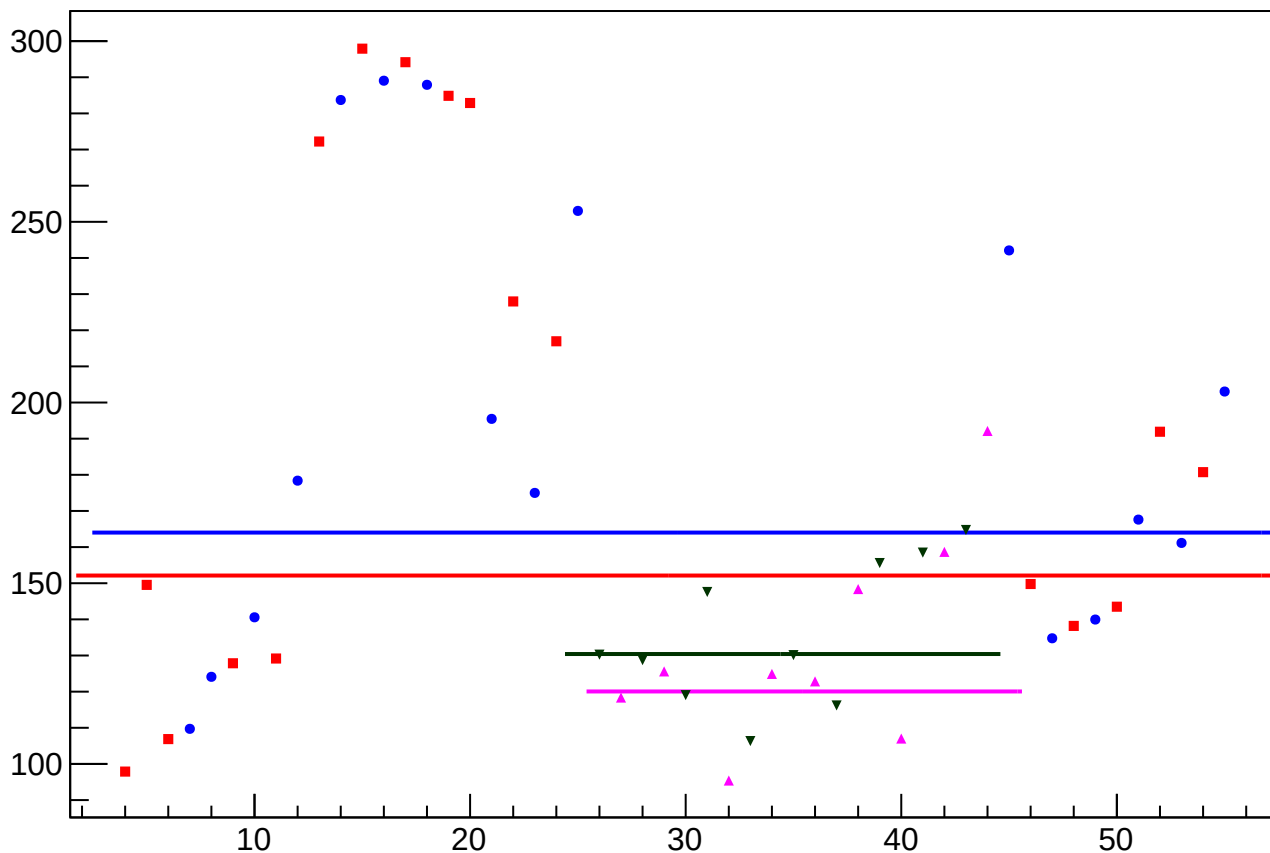
Right Out: 80.612+/-54.454 χ^2/NDF : 9.5/16

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

44.932+/-39.581 χ^2/NDF : 8.2/25

27.343+/-37.594 χ^2/NDF : 12.2/25

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs slug



Right In: 164.017+/-0.039 χ^2/NDF : 1582901.3/15

Left Out: 130.412+/-0.040 χ^2/NDF : 196128.5/9

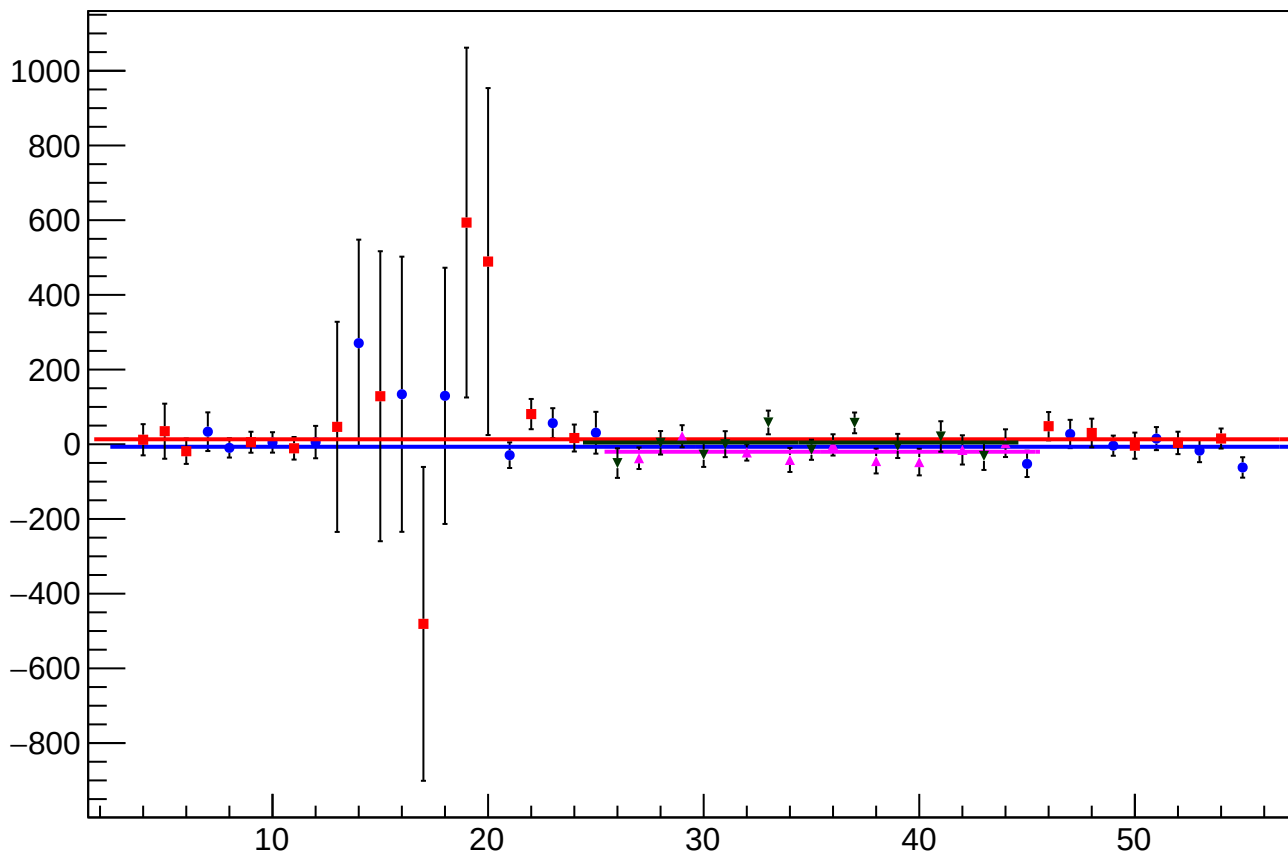
147.889+/-0.028 χ^2/NDF : 2138878.3/25

Right Out: 152.129+/-0.039 χ^2/NDF : 2031810.8/16

135.342+/-0.027 χ^2/NDF : 2774573.1/25

Left In: 120.053+/-0.037 χ^2/NDF : 379558.3/8

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs slug



Right In: -6.682 ± 9.179 $\chi^2/\text{NDF}: 12.8/15$

Left Out: 4.706 ± 10.341 $\chi^2/\text{NDF}: 11.1/9$

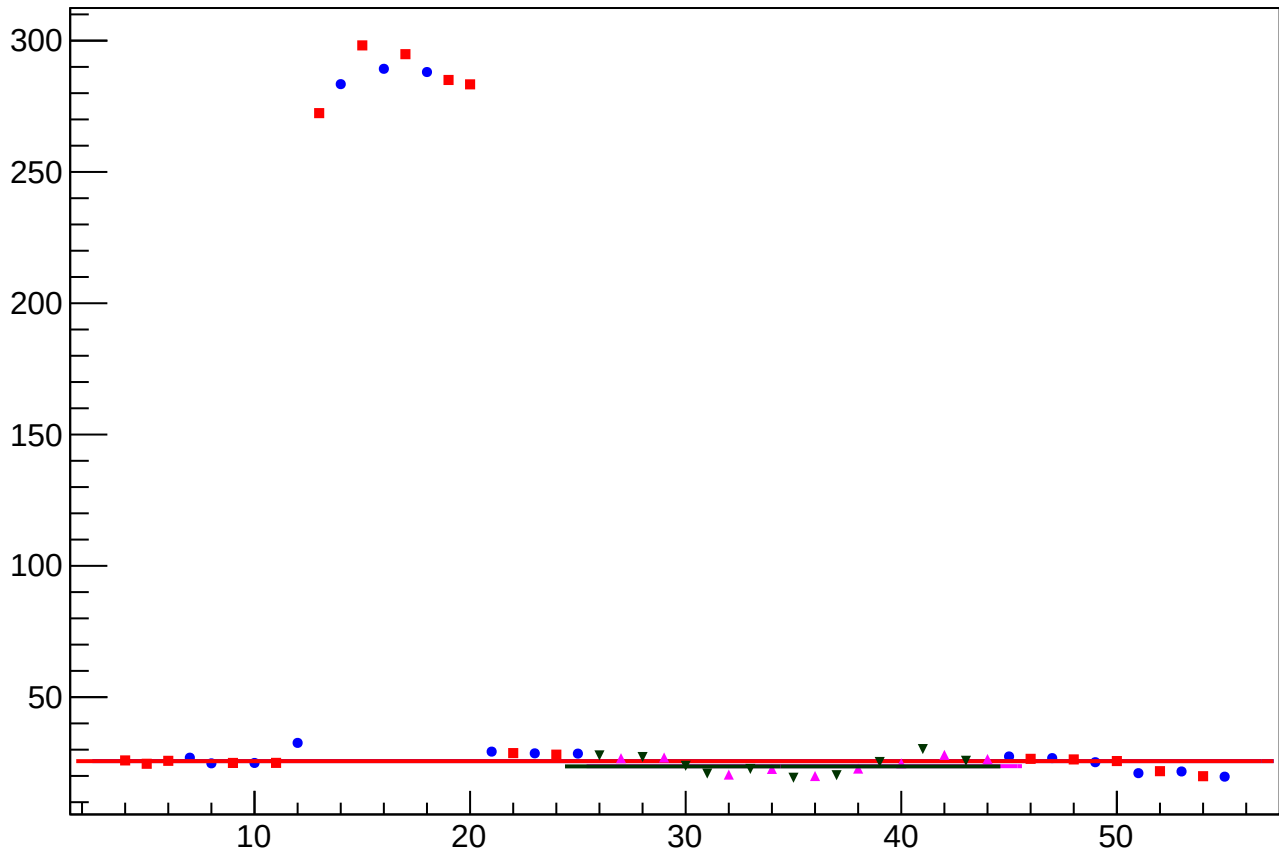
Right Out: 13.372 ± 9.955 $\chi^2/\text{NDF}: 9.9/16$

Left In: -19.983 ± 10.142 $\chi^2/\text{NDF}: 4.8/8$

-1.664 ± 6.865 $\chi^2/\text{NDF}: 24.6/25$

-2.994 ± 7.104 $\chi^2/\text{NDF}: 20.3/25$

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs slug



Right In: 25.651+/-0.006 χ^2/NDF : 4199017.7/15

Left Out: 23.629+/-0.007 χ^2/NDF : 207433.9/9

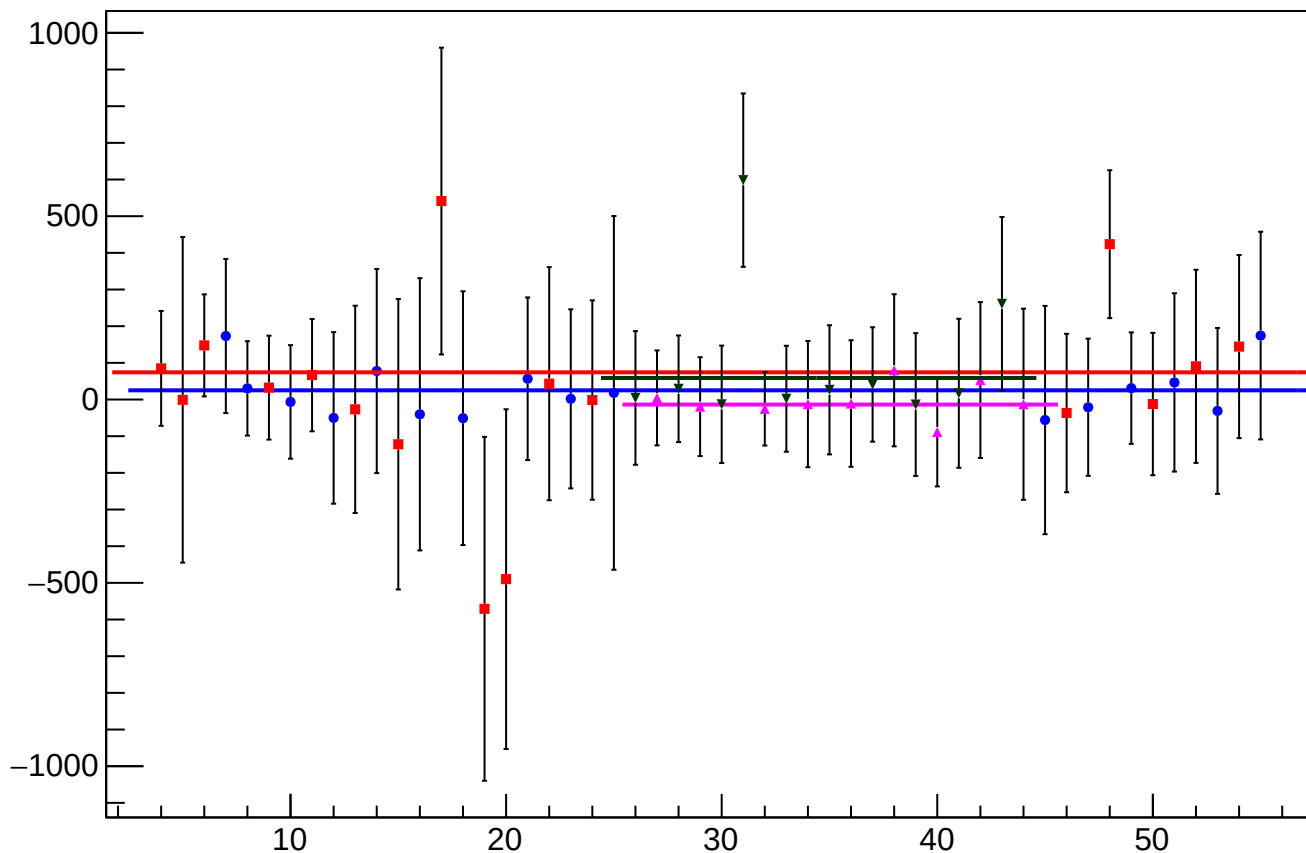
24.760+/-0.005 χ^2/NDF : 4449228.8/25

Right Out: 25.626+/-0.007 χ^2/NDF : 4724093.9/16

24.686+/-0.005 χ^2/NDF : 4926308.8/25

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: 25.101+/-53.917 χ^2/NDF : 1.3/15

Left Out: 58.807+/-55.552 χ^2/NDF : 6.6/9

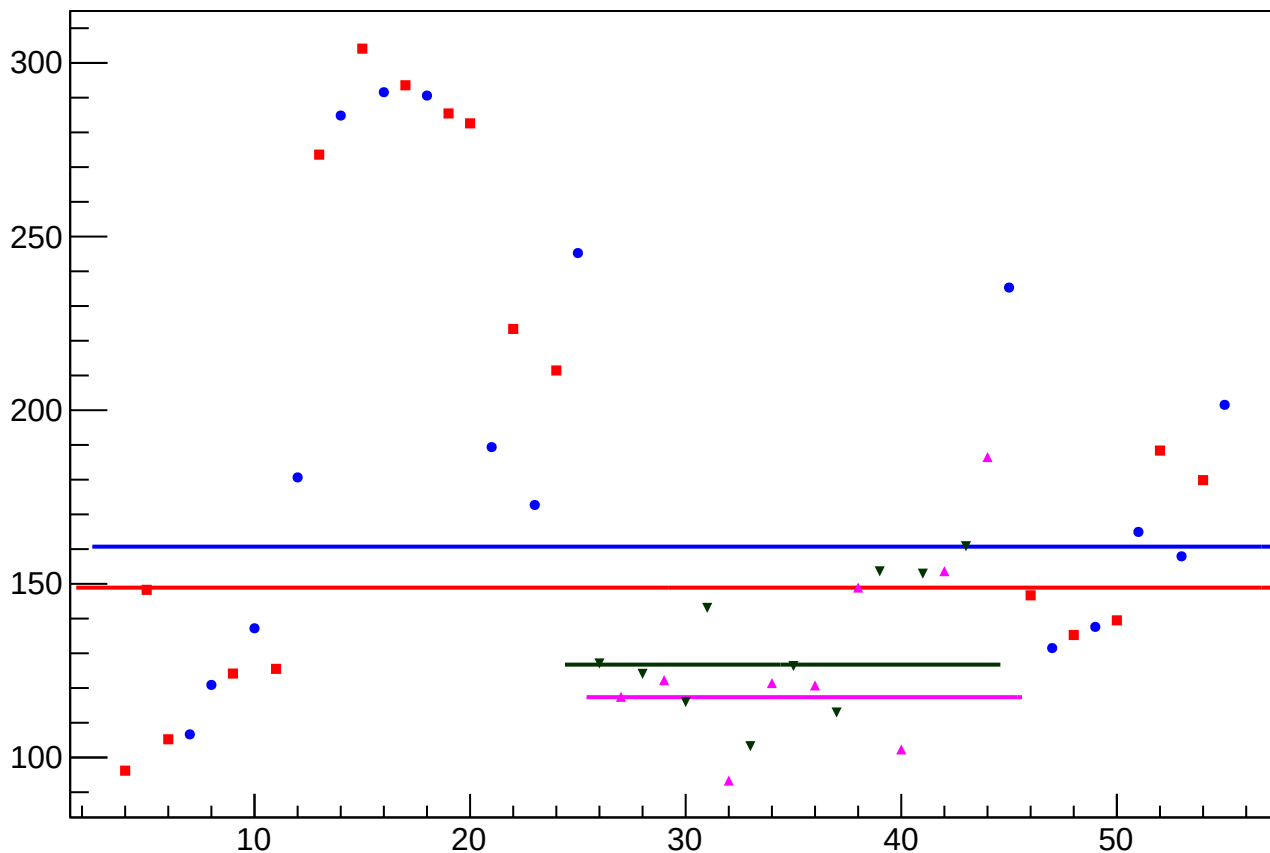
Right Out: 74.160+/-53.439 χ^2/NDF : 9.0/16

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

41.451+/-38.690 χ^2/NDF : 8.1/25

28.003+/-36.822 χ^2/NDF : 11.0/25

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs slug



Right In: 160.712 ± 0.038 χ^2/NDF : 1664180.1/15

Left Out: 126.741 ± 0.039 χ^2/NDF : 200512.0/9

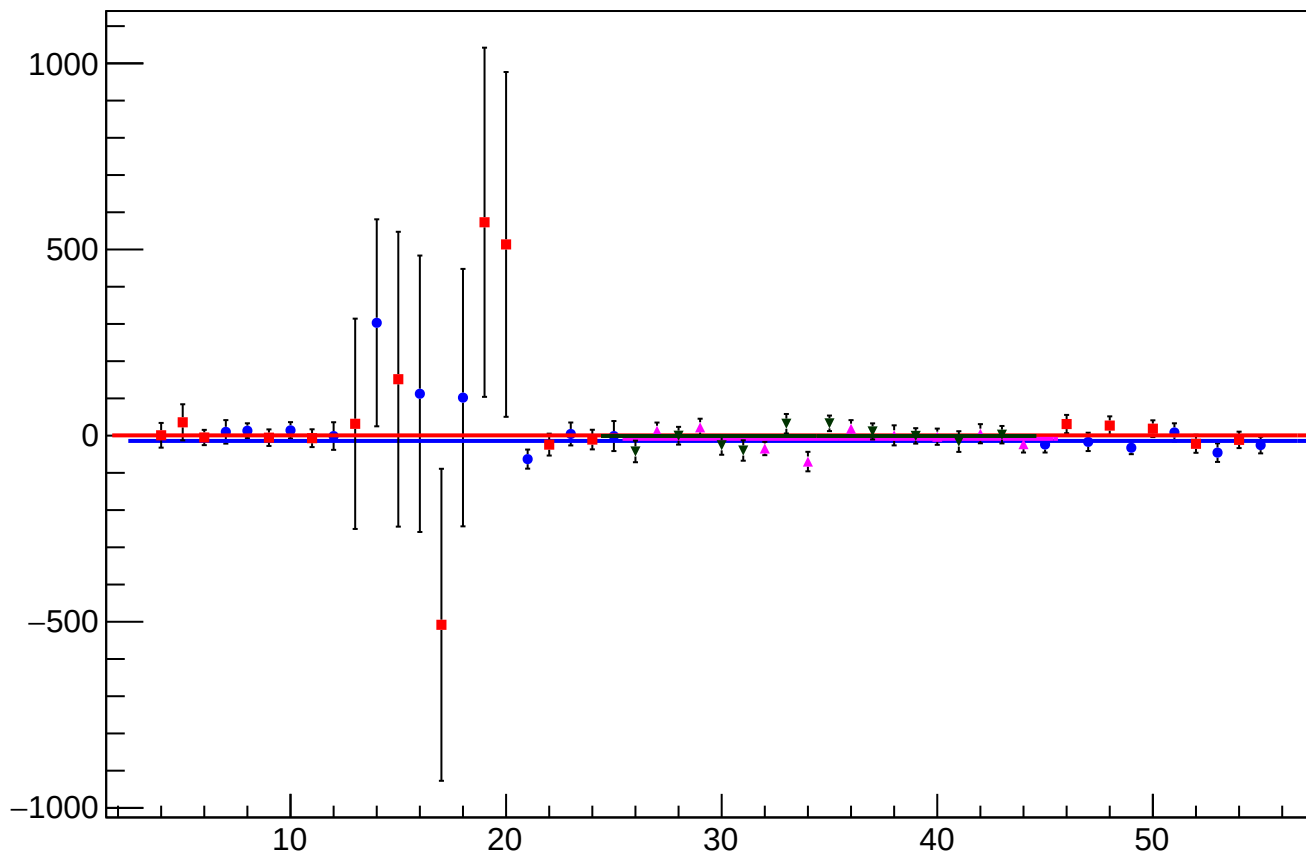
144.234 ± 0.027 χ^2/NDF : 2249836.7/25

Right Out: 148.911 ± 0.038 χ^2/NDF : 2108481.4/16

132.346 ± 0.026 χ^2/NDF : 2859899.9/25

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: -14.245+/-6.746 χ^2/NDF : 13.9/15

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

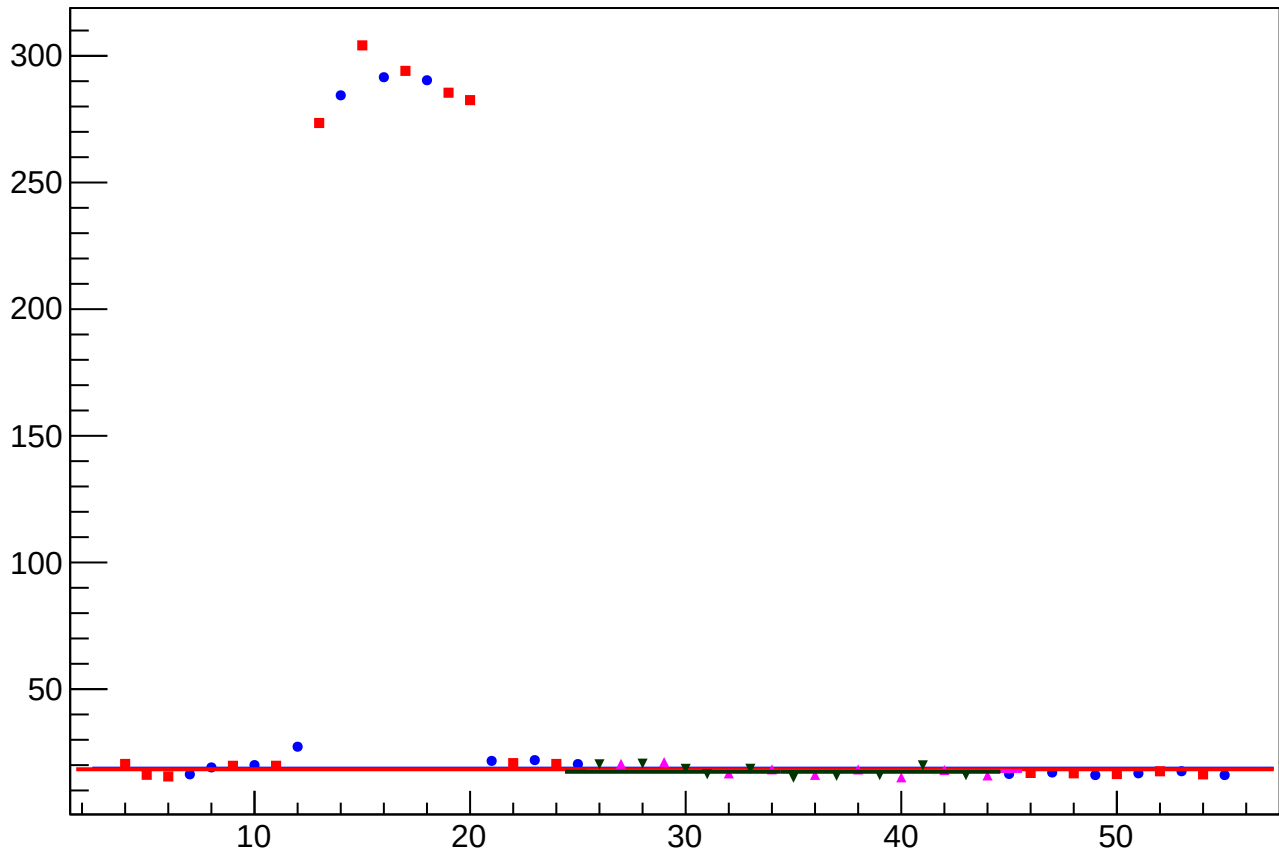
Right Out: 0.666+/-7.228 χ^2/NDF : 10.5/16

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

-8.393+/-5.056 χ^2/NDF : 25.6/25

-3.746+/-5.239 χ^2/NDF : 23.8/25

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs slug



Right In: 18.603 $\pm$ 0.005 χ^2 /NDF: 4440056.2/15

Left Out: 17.382 $\pm$ 0.005 χ^2 /NDF:136187.2/9

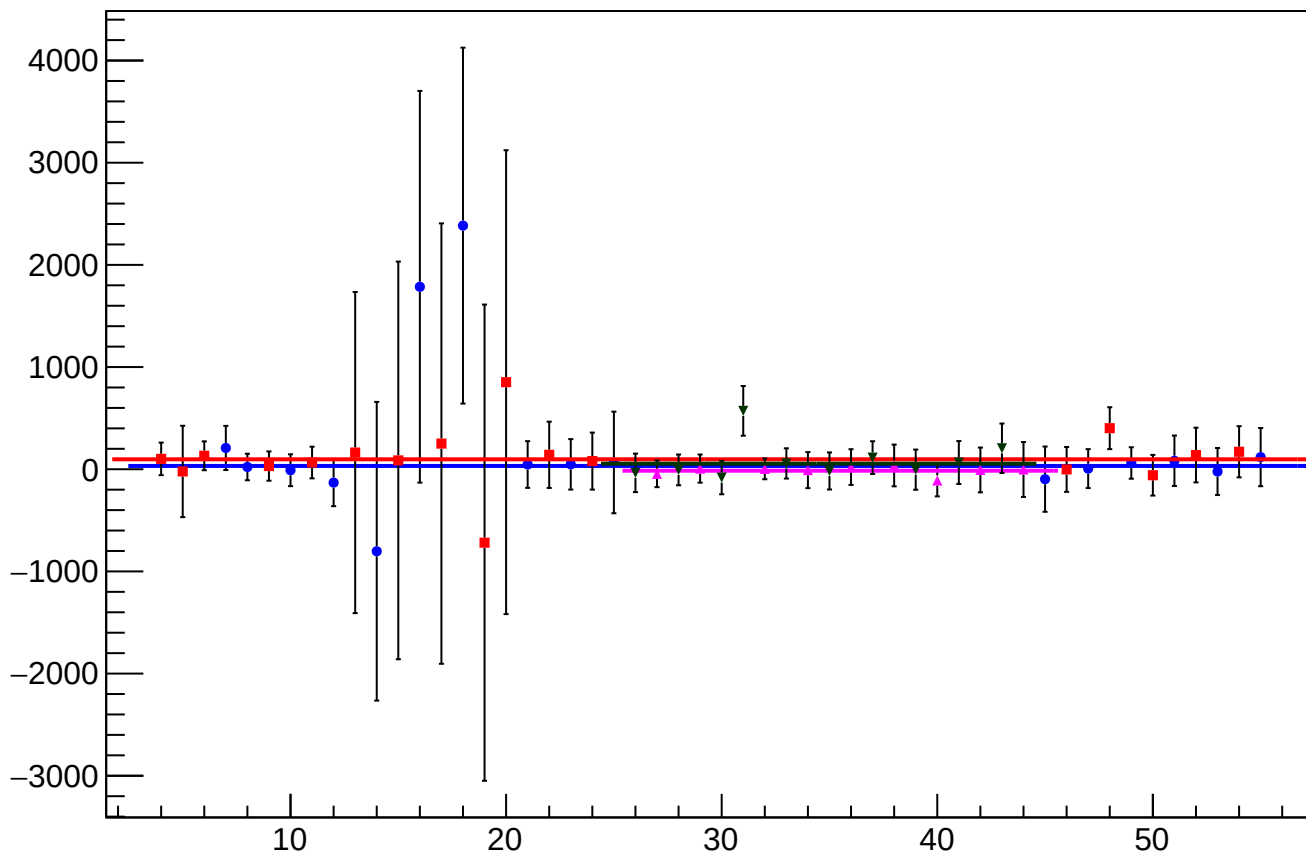
Right Out: 18.368 $\pm$ 0.005 χ^2 /NDF: 4977128.1/16

Left In: 17.695 $\pm$ 0.005 χ^2 /NDF:133973.4/8

18.068 $\pm$ 0.004 χ^2 /NDF: 4604944.2/25

18.048 $\pm$ 0.004 χ^2 /NDF: 5119336.7/25

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs slug



Right In: 32.167+/-56.940 χ^2/NDF : 4.7/15

Left Out: 54.414+/-57.060 χ^2/NDF : 6.4/9

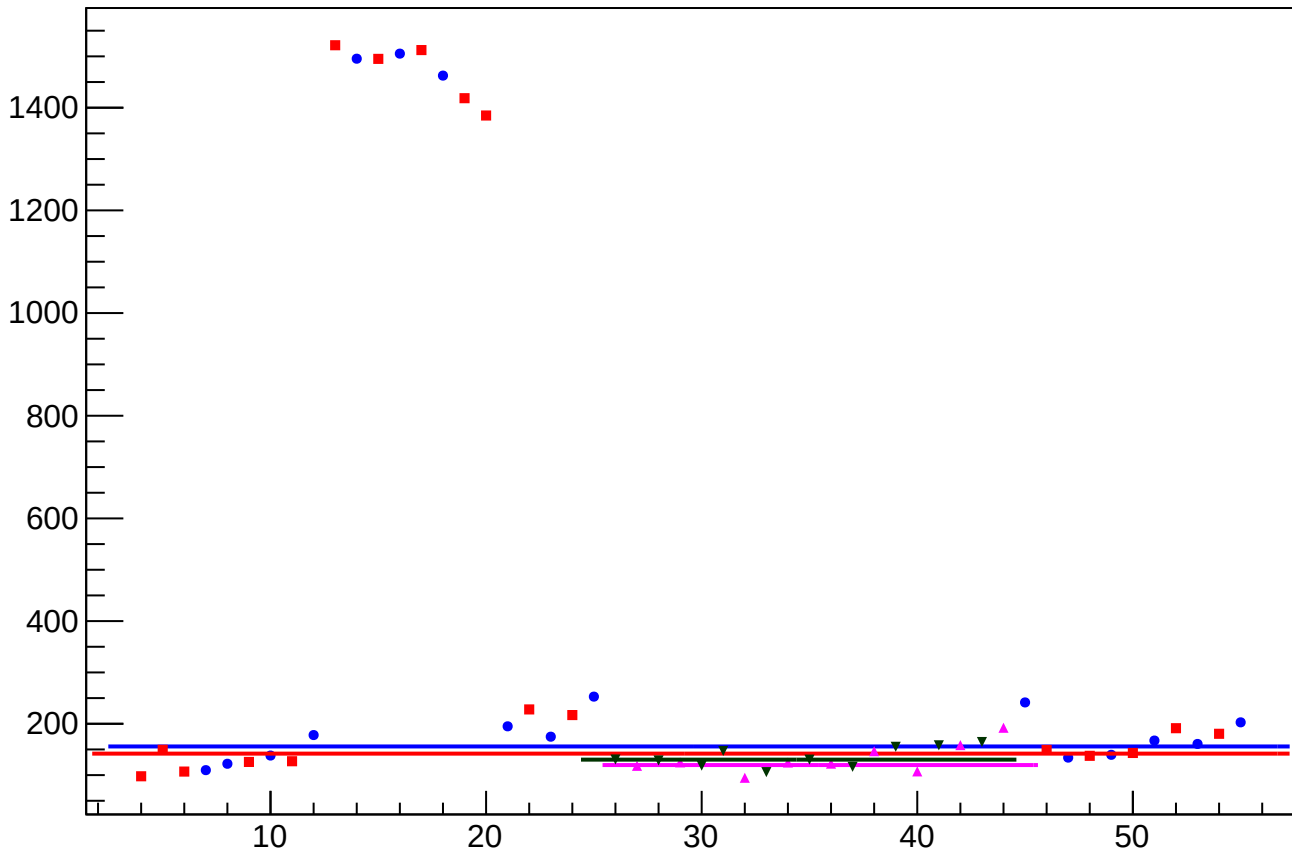
Right Out: 97.306+/-56.970 χ^2/NDF : 3.8/16

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

43.267+/-40.305 χ^2/NDF : 11.1/25

36.105+/-38.315 χ^2/NDF : 6.5/25

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs slug



Right In: 155.815+/-0.040 χ^2/NDF : 4466246.6/15

Left Out: 130.144+/-0.040 χ^2/NDF : 197118.8/9

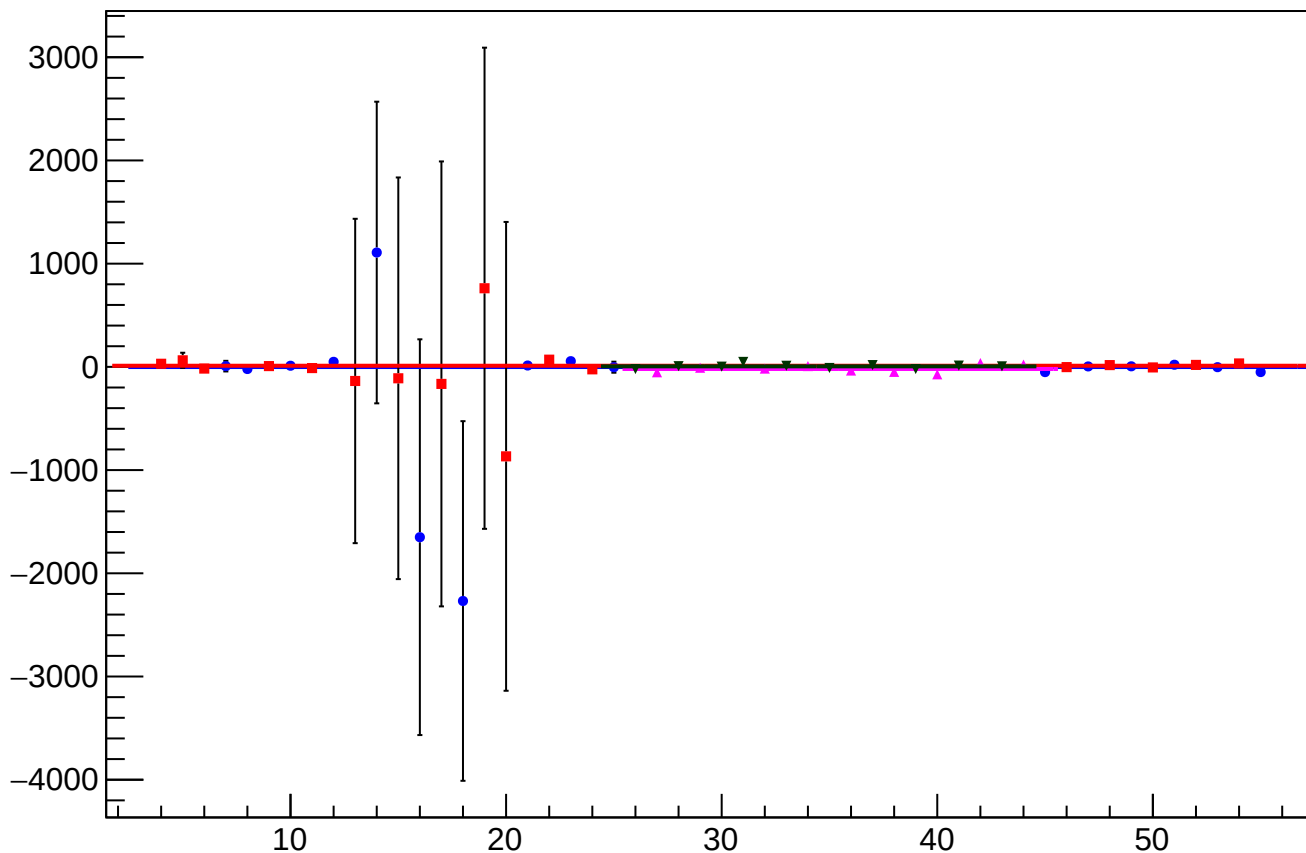
143.006+/-0.028 χ^2/NDF : 4866203.5/25

Right Out: 141.848+/-0.040 χ^2/NDF : 5242571.6/16

129.658+/-0.027 χ^2/NDF : 5790463.3/25

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

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs slug



Right In: -1.537+/-8.899 χ^2/NDF : 13.7/15

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

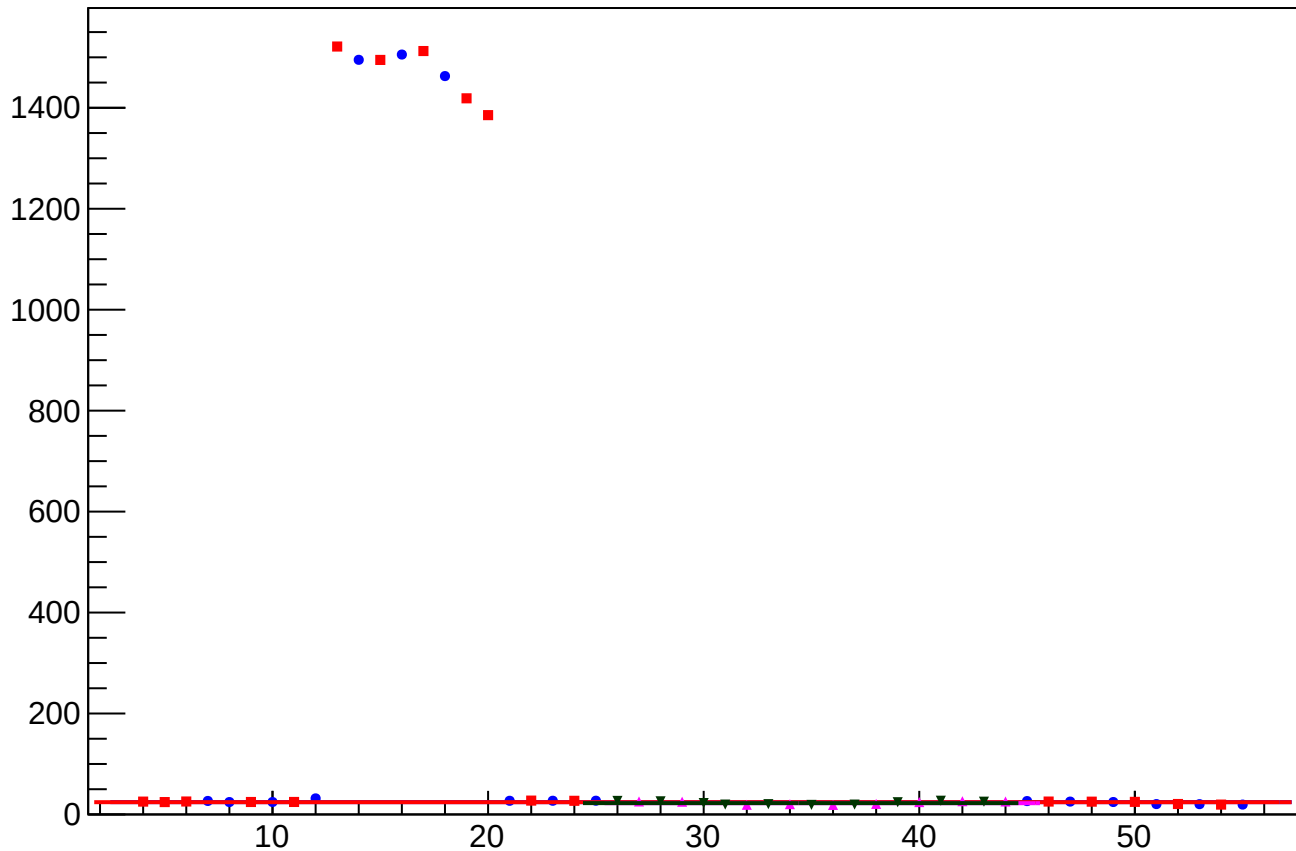
Right Out: 10.946+/-9.706 χ^2/NDF : 6.8/16

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

1.484+/-6.584 χ^2/NDF : 17.6/25

-5.122+/-6.784 χ^2/NDF : 21.9/25

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs slug



Right In: 24.421+/-0.006 χ^2/NDF : 4825187.4/15

Left Out: 22.469+/-0.007 χ^2/NDF :192593.7/9

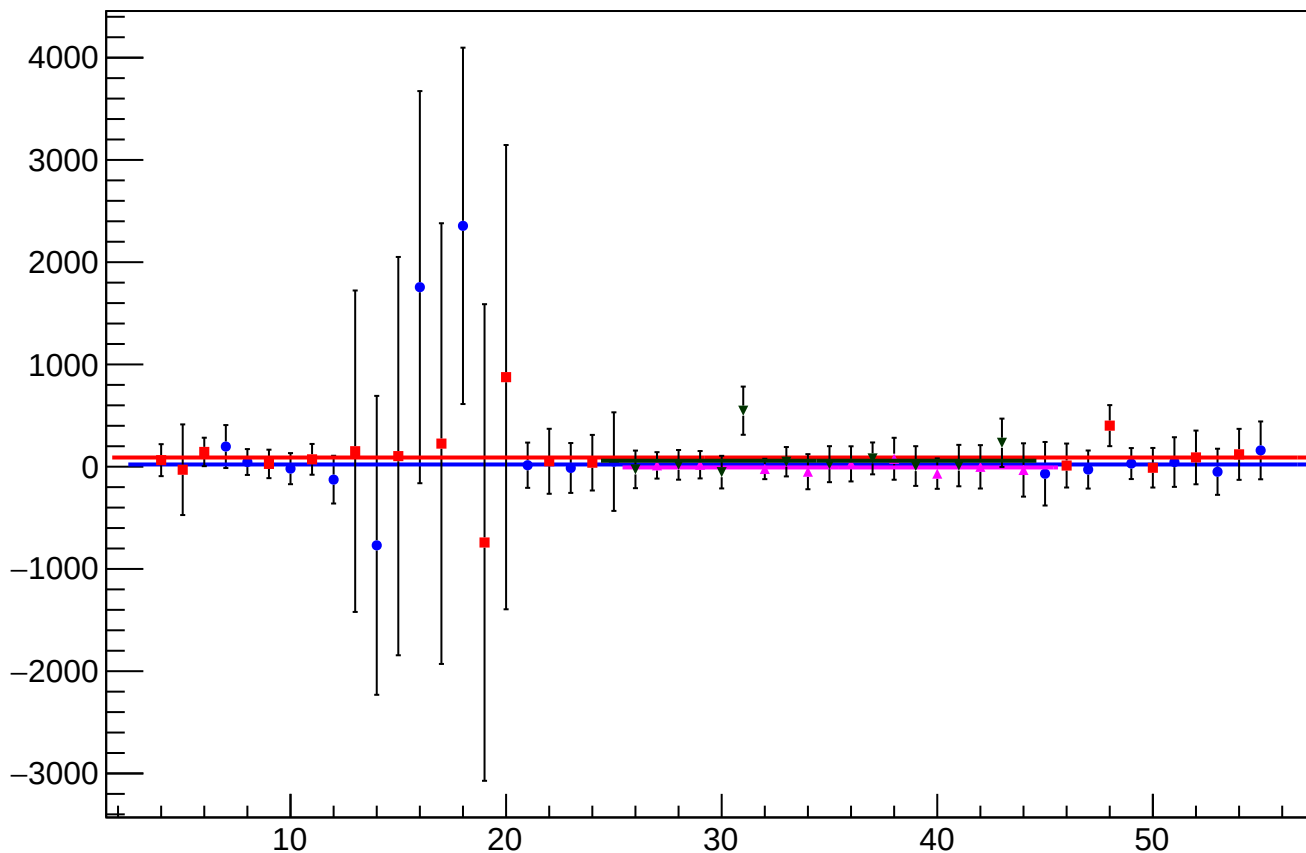
Right Out: 24.308+/-0.007 χ^2/NDF : 5479303.9/16

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

23.537+/-0.005 χ^2/NDF : 5061336.7/25

23.278+/-0.005 χ^2/NDF : 5717331.9/25

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs slug



Right In: 21.668 $\pm$ 55.794 χ^2 /NDF: 4.6/15

Left Out: 58.282 $\pm$ 55.472 χ^2 /NDF: 5.8/9

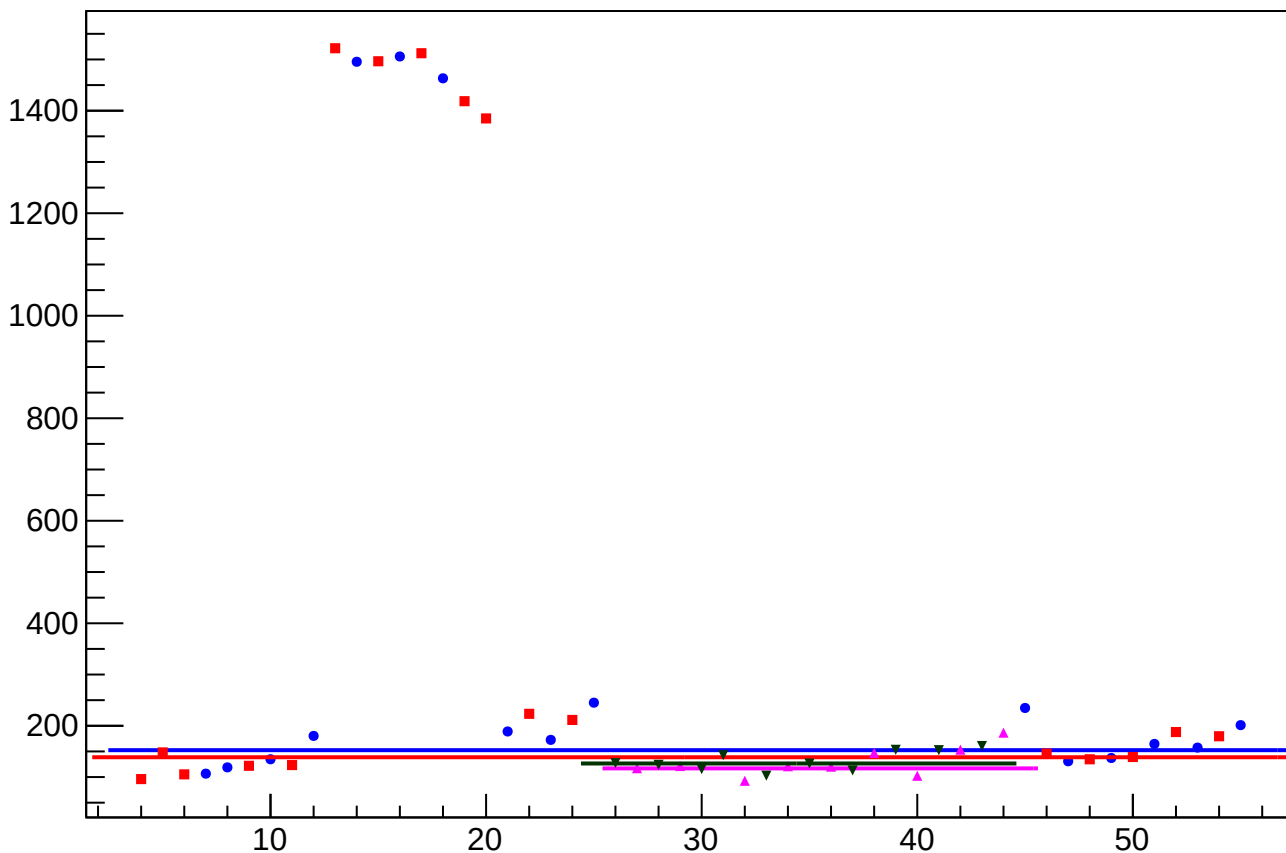
Right Out: 89.811 $\pm$ 55.744 χ^2 /NDF: 3.6/16

Left In: -7.345 $\pm$ 50.616 χ^2 /NDF: 0.5/8

40.081 $\pm$ 39.338 χ^2 /NDF: 10.7/25

36.560 $\pm$ 37.473 χ^2 /NDF: 5.8/25

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs slug



Right In: 152.437+/-0.039 χ^2/NDF : 4503405.1/15

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

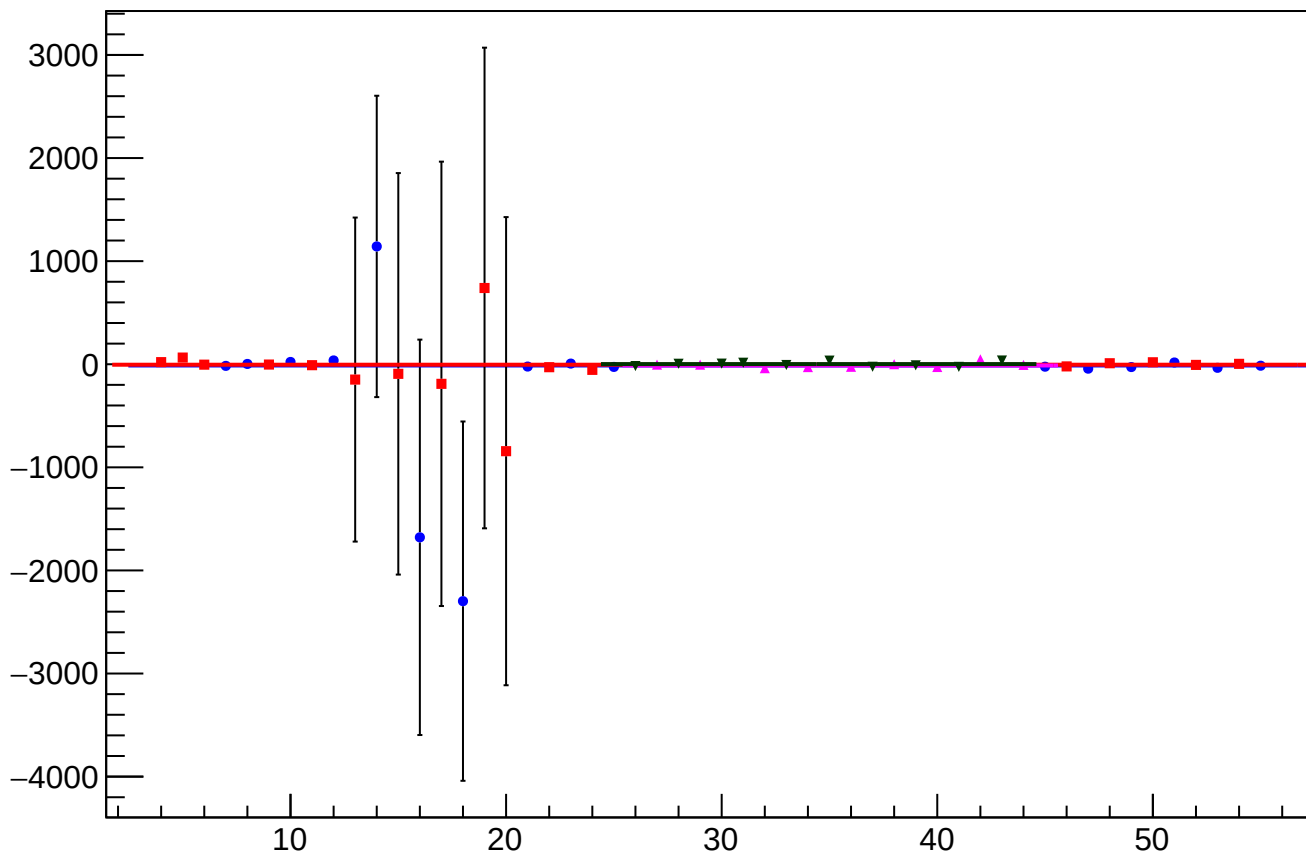
139.374+/-0.028 χ^2/NDF : 4923037.6/25

Right Out: 138.645+/-0.039 χ^2/NDF : 5266010.6/16

126.731+/-0.026 χ^2/NDF : 5819226.4/25

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: -11.922+/-6.378 χ^2/NDF : 14.6/15

Left Out: 1.404+/-7.049 χ^2/NDF : 9.5/9

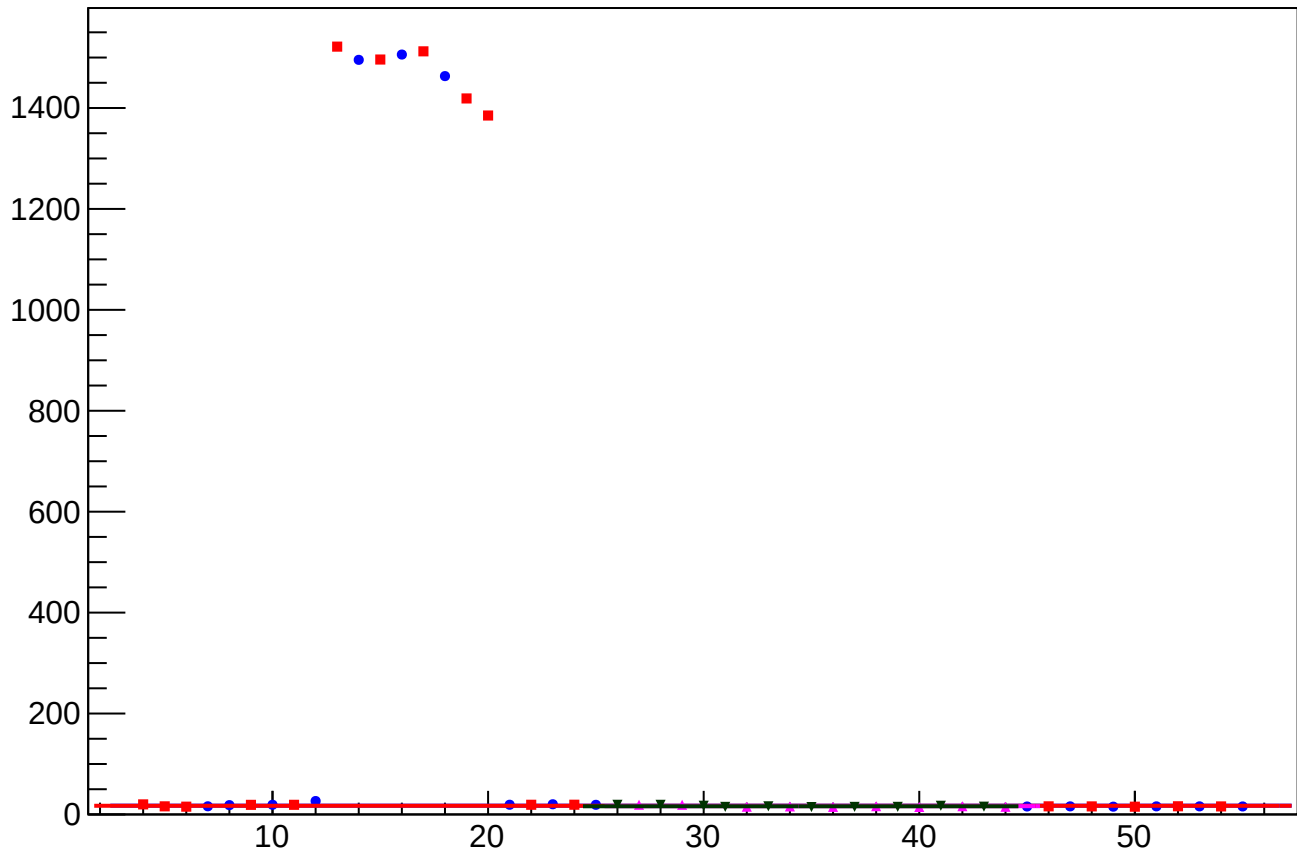
Right Out: -4.621+/-6.889 χ^2/NDF : 10.2/16

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

-5.924+/-4.729 χ^2/NDF : 26.1/25

-8.281+/-4.892 χ^2/NDF : 22.2/25

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs slug



Right In: 17.422+/-0.005 χ^2 /NDF: 4890804.6/15

Left Out: 16.220+/-0.005 χ^2 /NDF:97219.6/9

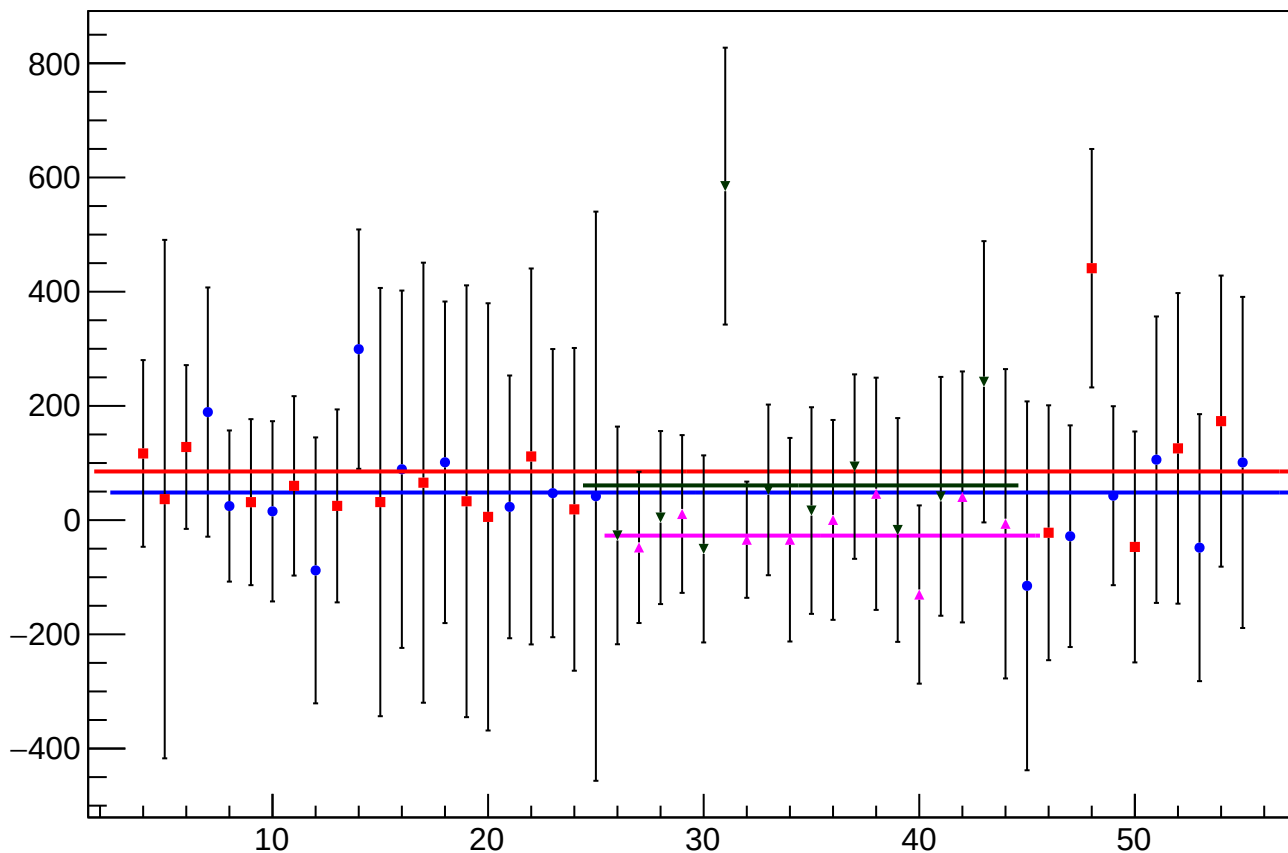
Right Out: 17.206+/-0.005 χ^2 /NDF: 5519030.6/16

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

16.881+/-0.003 χ^2 /NDF: 5019978.7/25

16.797+/-0.003 χ^2 /NDF: 5637578.7/25

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs slug



Right In: 48.353+/-53.928 χ^2/NDF : 3.0/15

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

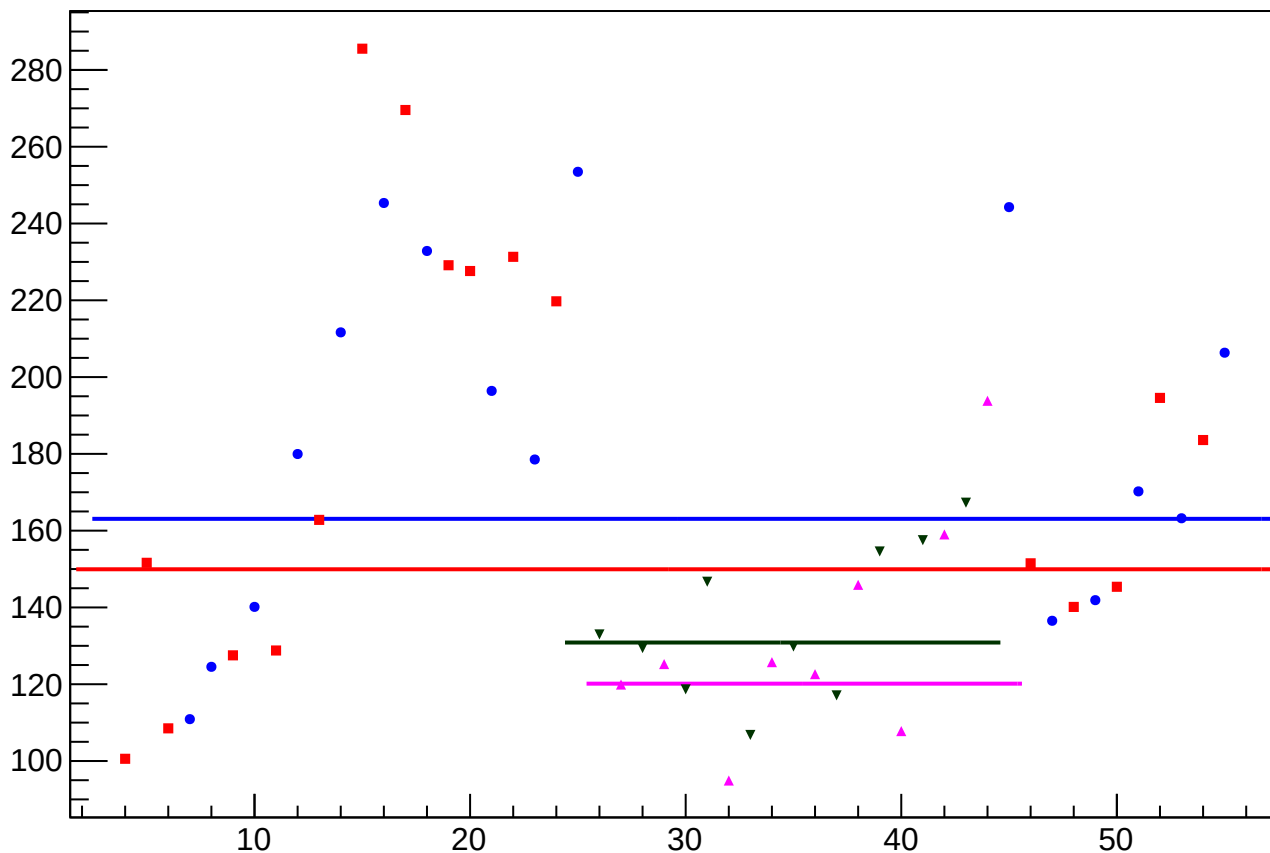
Right Out: 85.209+/-52.709 χ^2/NDF : 4.3/16

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

54.186+/-39.274 χ^2/NDF : 9.3/25

28.299+/-37.021 χ^2/NDF : 7.4/25

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs slug



Right In: 163.078 ± 0.038 χ^2/NDF : 1067060.1/15

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

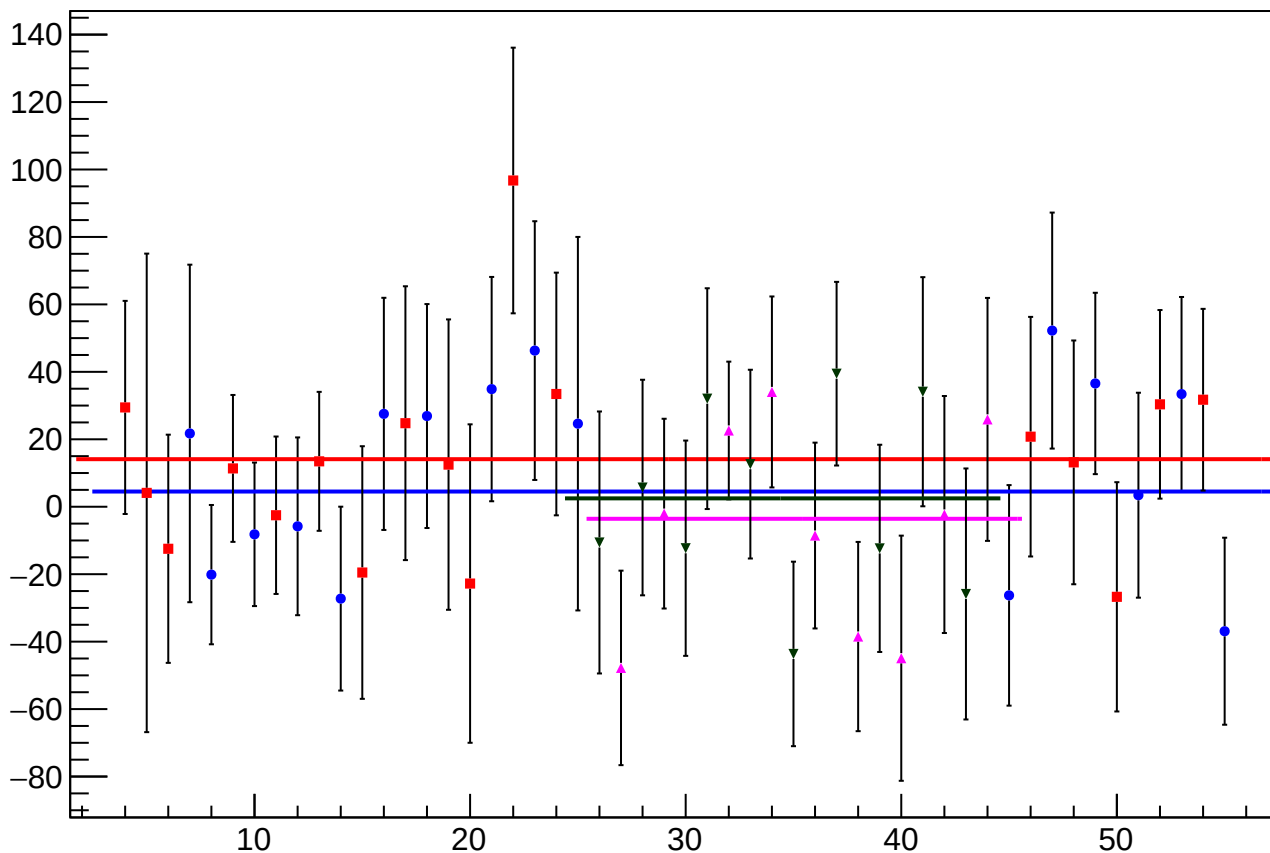
147.949 ± 0.028 χ^2/NDF : 1594379.2/25

Right Out: 149.940 ± 0.037 χ^2/NDF : 1411724.5/16

134.844 ± 0.026 χ^2/NDF : 2118746.7/25

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: 4.511 ± 7.428 $\chi^2/\text{NDF}: 13.9/15$

Left Out: 2.482 ± 9.918 $\chi^2/\text{NDF}: 7.7/9$

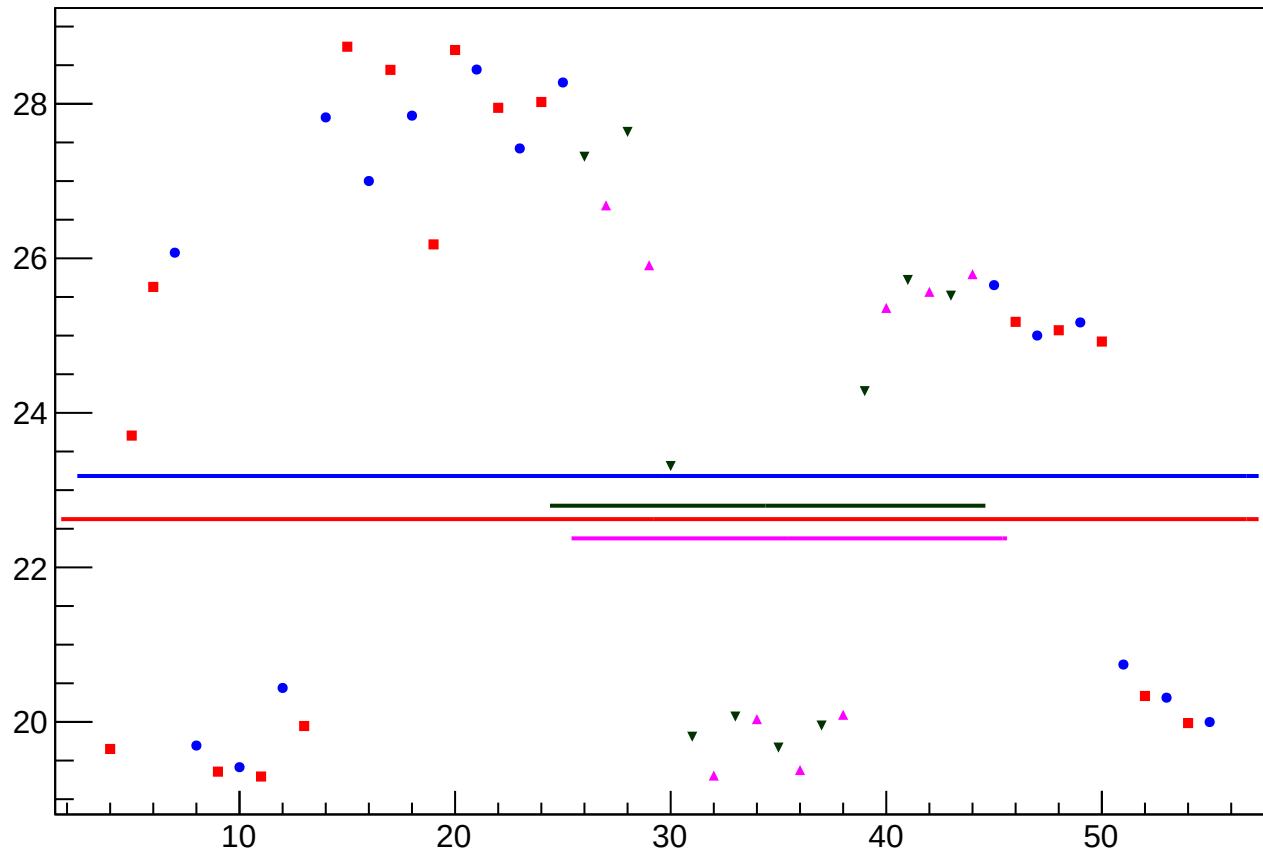
3.781 ± 5.945 $\chi^2/\text{NDF}: 21.5/25$

Right Out: 14.104 ± 7.630 $\chi^2/\text{NDF}: 9.8/16$

7.189 ± 5.953 $\chi^2/\text{NDF}: 21.2/25$

Left In: -3.573 ± 9.519 $\chi^2/\text{NDF}: 9.3/8$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs slug



Right In: 23.183+/-0.005 χ^2 /NDF: 448453.5/15

Left Out: 22.798+/-0.007 χ^2 /NDF:187251.4/9

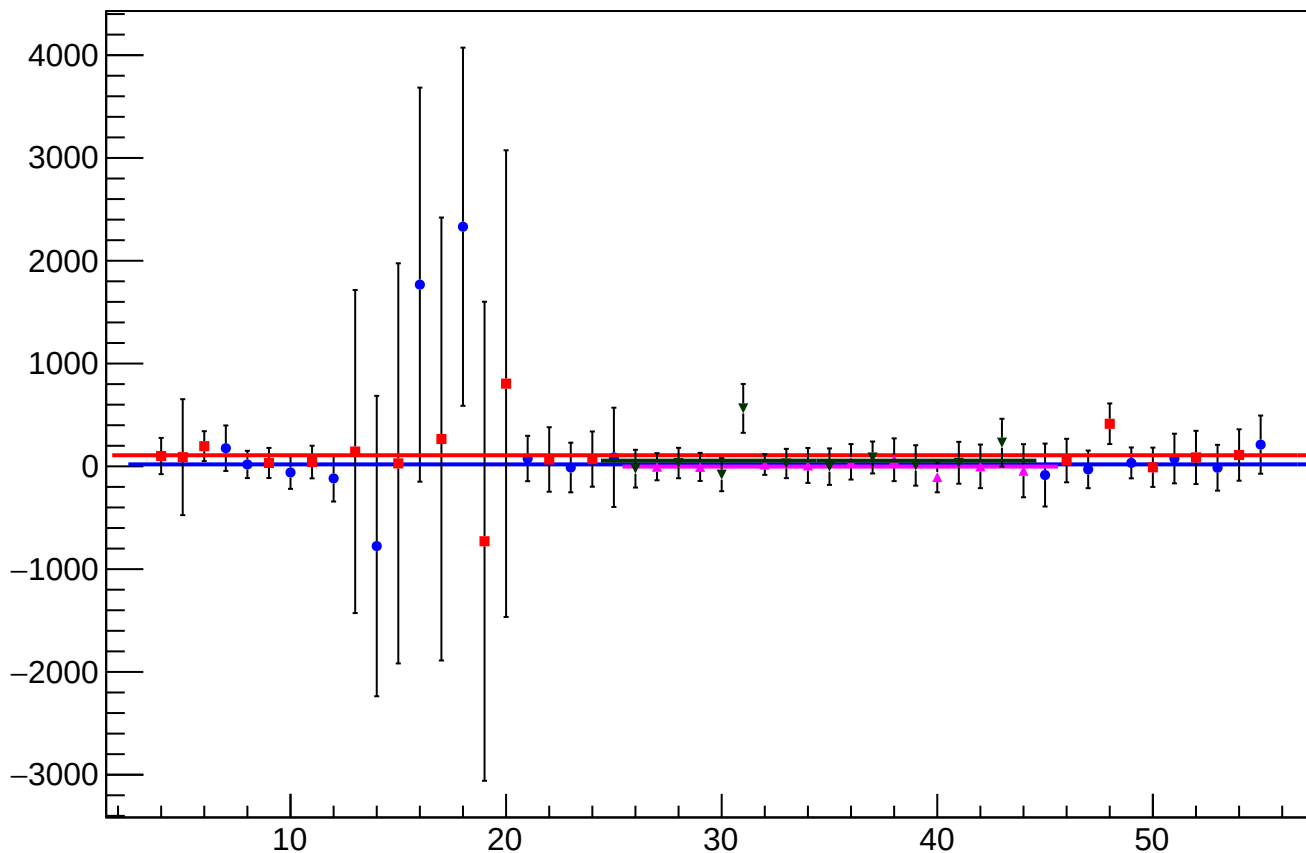
23.045+/-0.004 χ^2 /NDF: 637629.8/25

Right Out: 22.625+/-0.005 χ^2 /NDF: 437381.3/16

22.527+/-0.004 χ^2 /NDF: 658248.2/25

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: 19.096+/-56.438 χ^2/NDF : 4.8/15

Left Out: 55.403+/-55.677 χ^2/NDF : 6.3/9

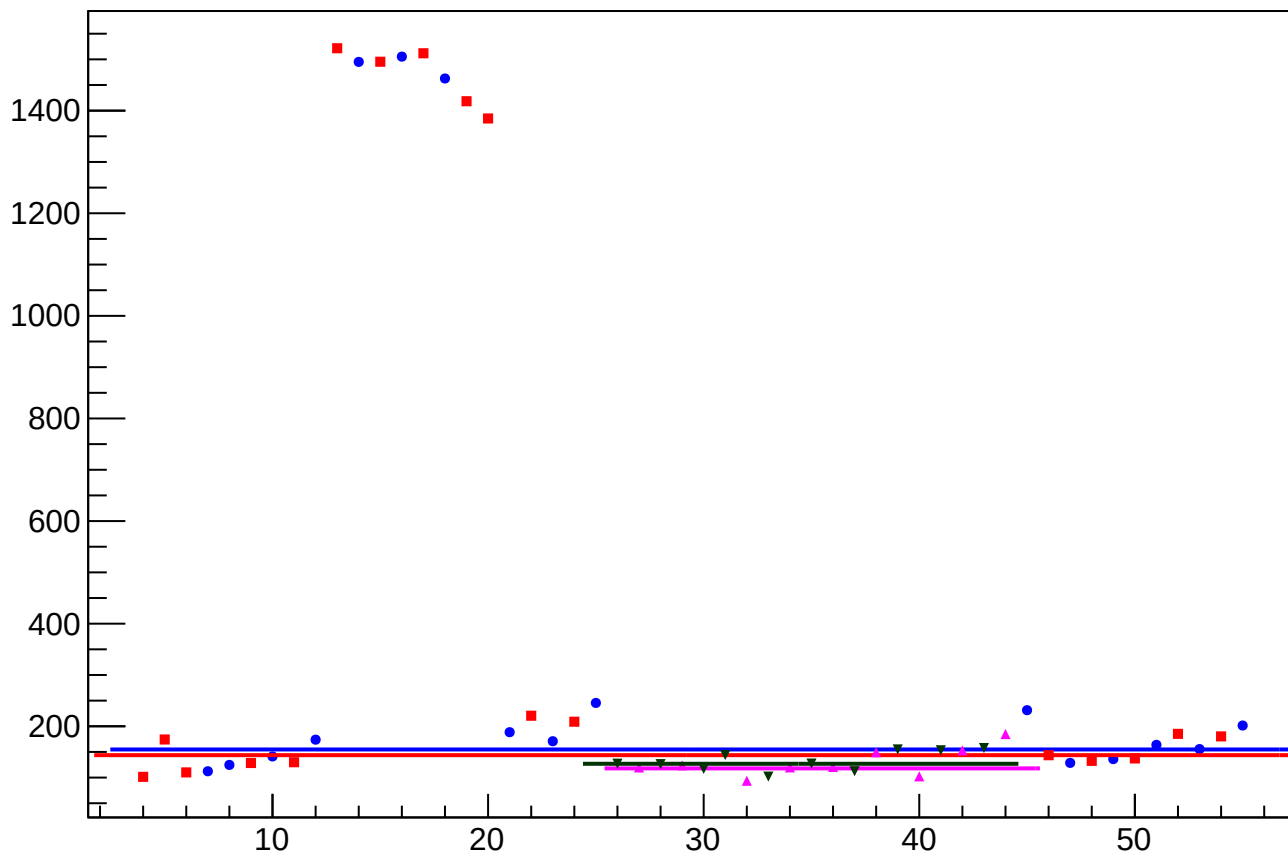
Right Out: 108.013+/-57.690 χ^2/NDF : 3.9/16

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

37.496+/-39.636 χ^2/NDF : 11.4/25

46.173+/-38.223 χ^2/NDF : 6.7/25

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs slug



Right In: 154.807+/-0.040 χ^2/NDF : 4388606.8/15

Left Out: 126.898+/-0.039 χ^2/NDF : 206102.9/9

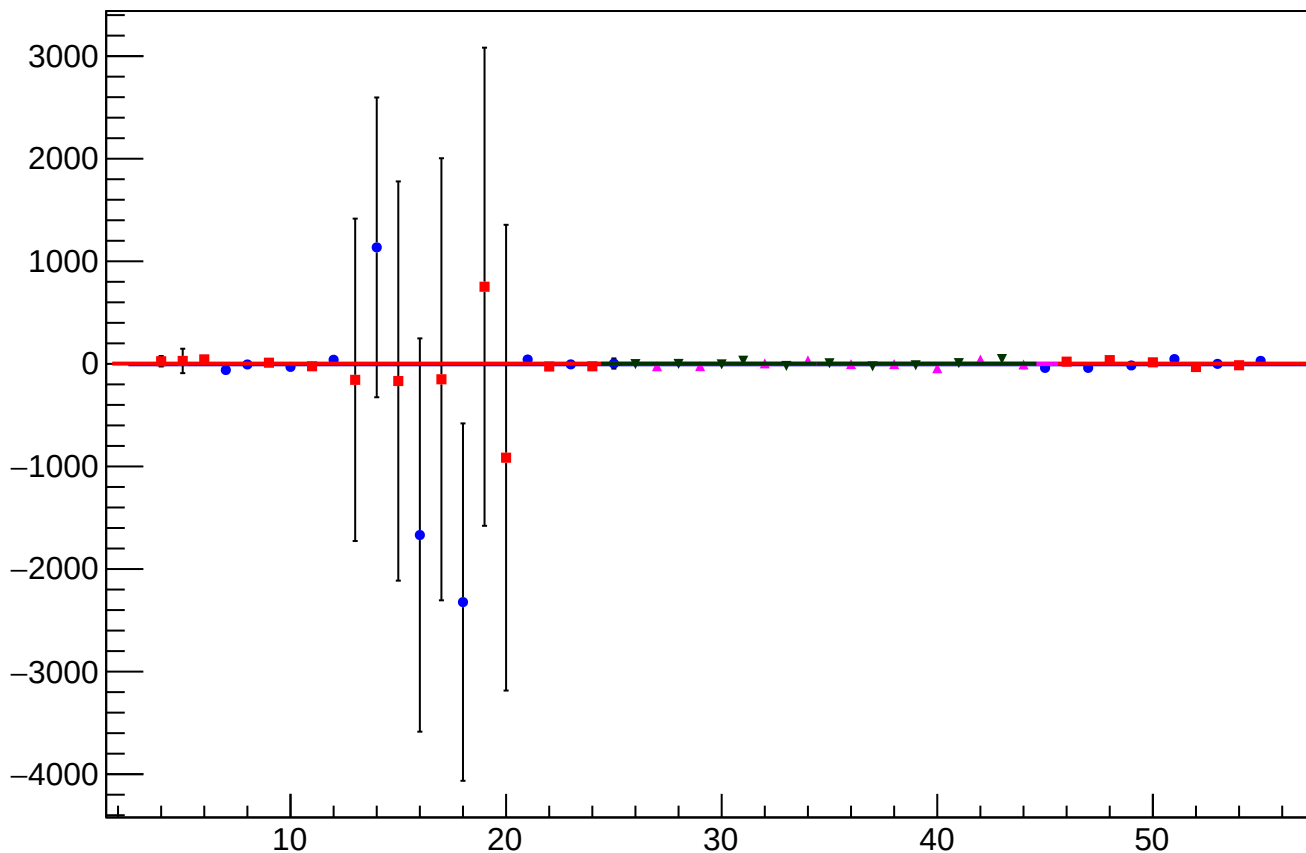
Right Out: 143.699+/-0.041 χ^2/NDF : 5110273.1/16

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

140.663+/-0.028 χ^2/NDF : 4842558.1/25

129.249+/-0.027 χ^2/NDF : 5710889.2/25

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs slug



Right In: -4.084+/-8.207 χ^2/NDF : 16.9/15

Left Out: 1.170+/-9.255 χ^2/NDF : 5.3/9

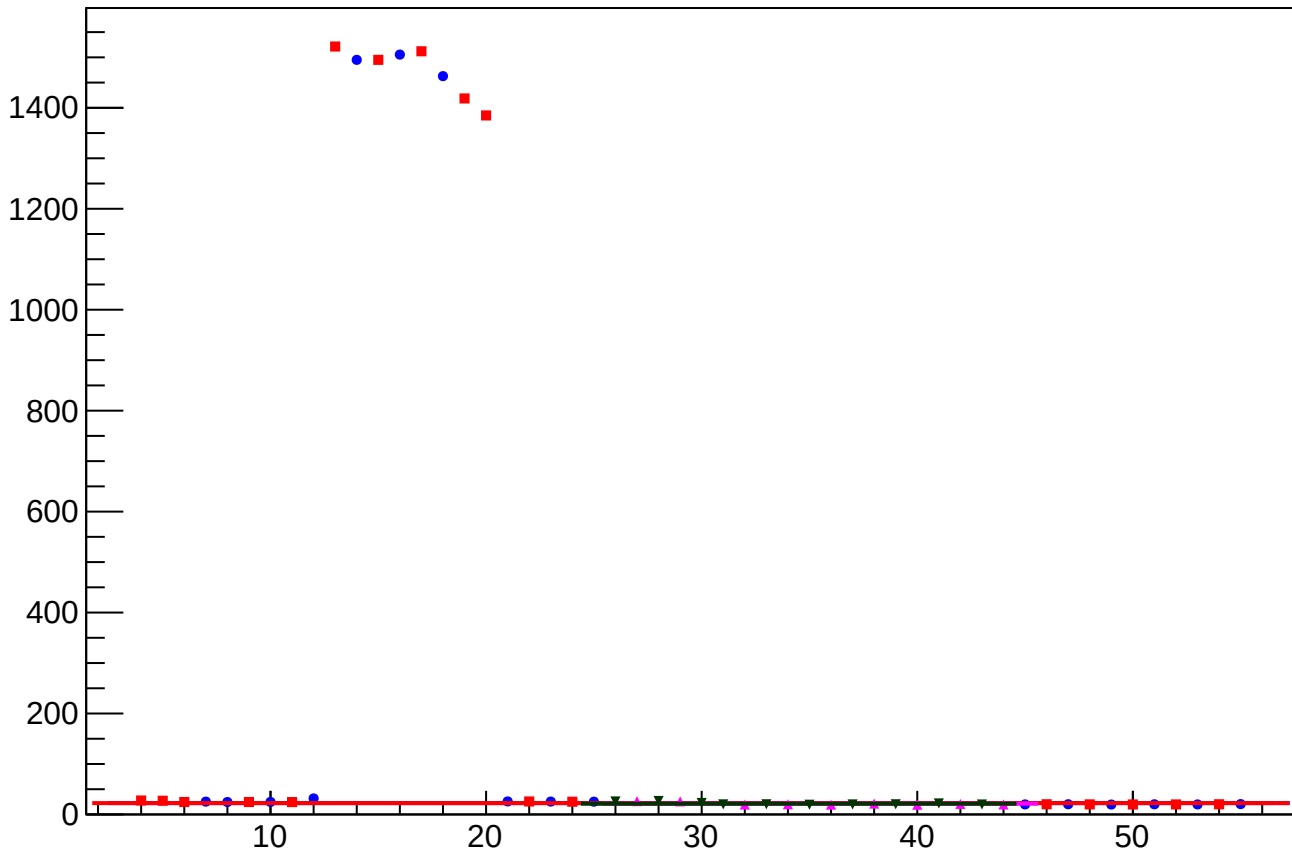
Right Out: 2.599+/-9.109 χ^2/NDF : 8.2/16

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

-1.771+/-6.141 χ^2/NDF : 22.4/25

0.478+/-6.419 χ^2/NDF : 15.6/25

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs slug



Right In: 22.480+/-0.006 χ^2/NDF : 4881426.8/15

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

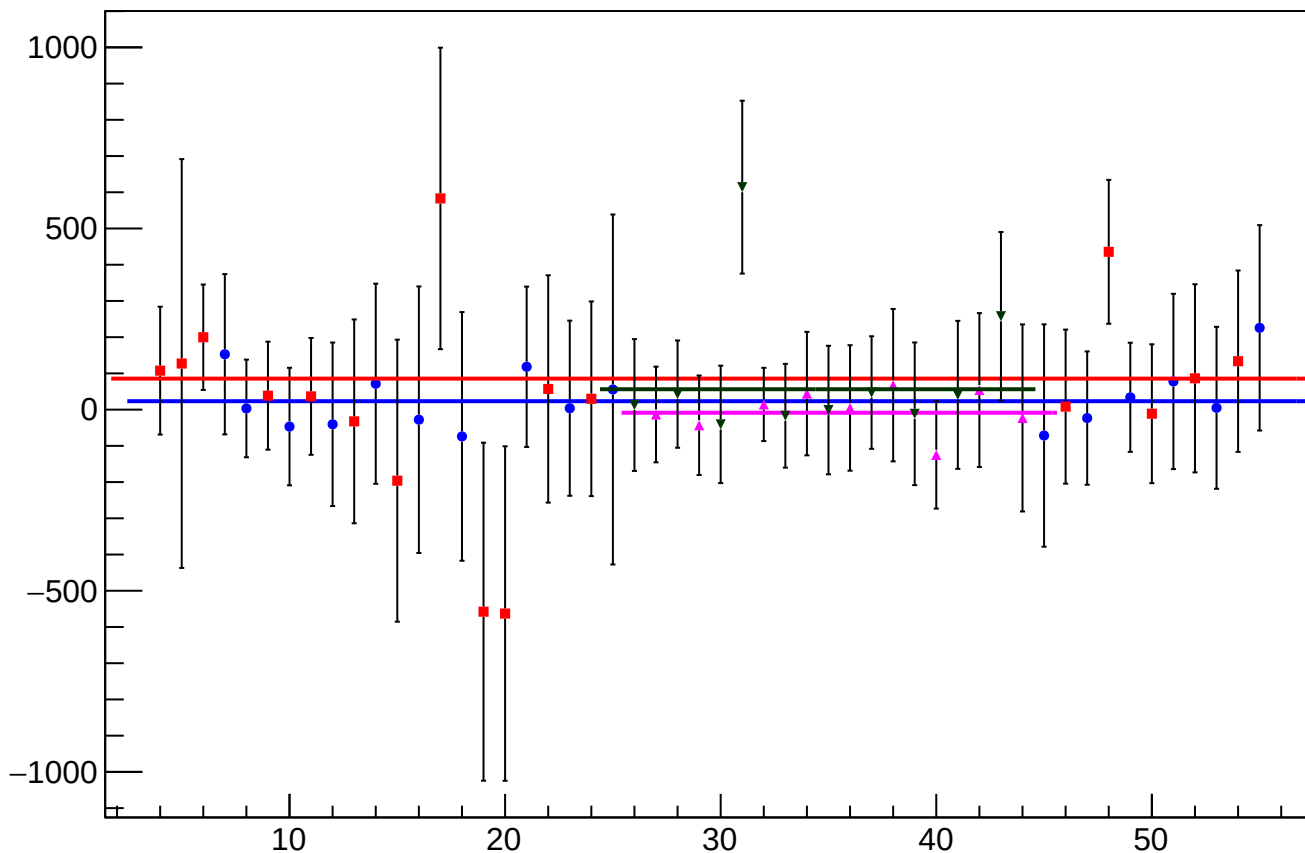
21.959+/-0.004 χ^2/NDF : 5028775.9/25

Right Out: 22.499+/-0.006 χ^2/NDF : 5524016.5/16

21.899+/-0.005 χ^2/NDF : 5701119.0/25

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: 23.257 $\pm$ 54.420 χ^2 /NDF: 1.7/15

Left Out: 56.309 $\pm$ 55.753 χ^2 /NDF: 7.1/9

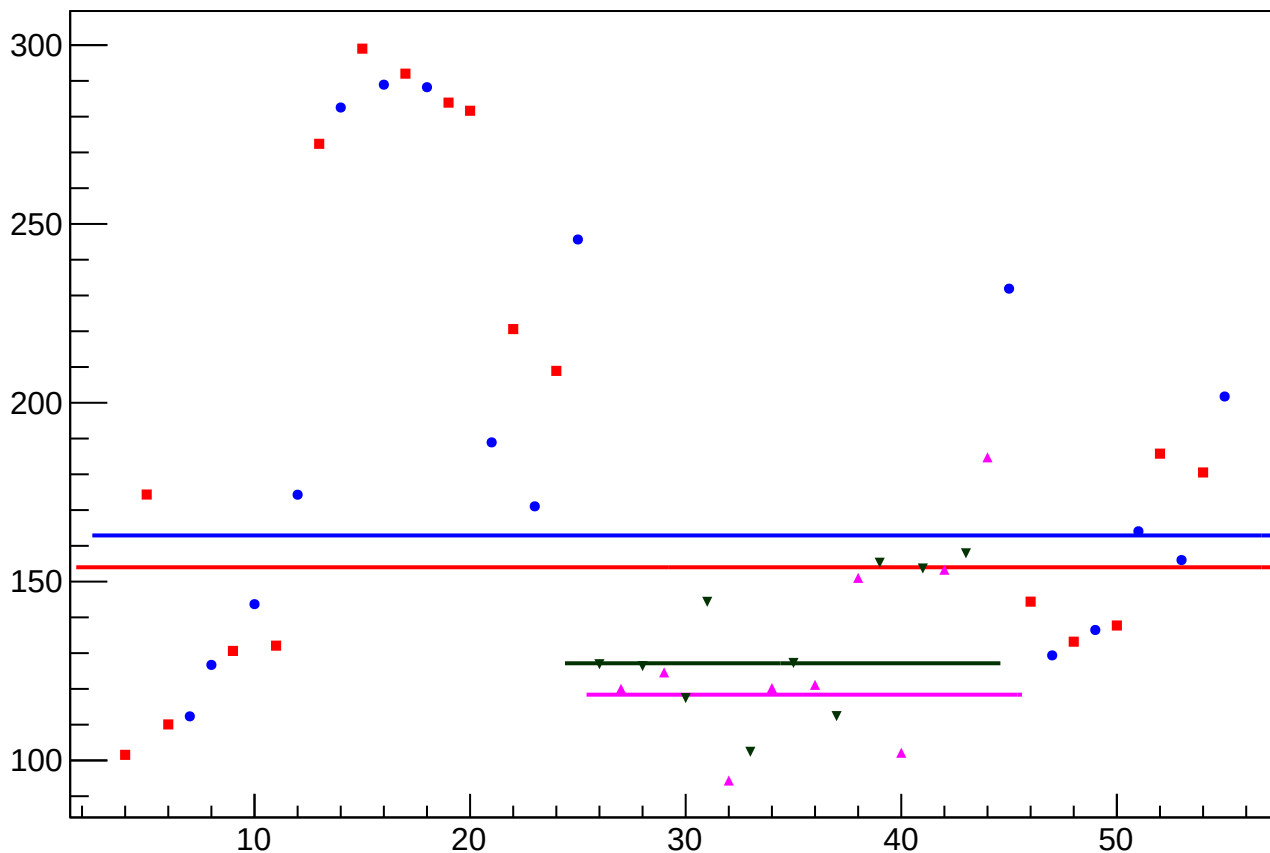
Right Out: 85.588 $\pm$ 55.063 χ^2 /NDF: 10.4/16

Left In: -8.655 $\pm$ 51.217 χ^2 /NDF: 1.1/8

39.383 $\pm$ 38.944 χ^2 /NDF: 9.0/25

35.061 $\pm$ 37.502 χ^2 /NDF: 13.0/25

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs slug



Right In: 162.907 $\pm$ 0.038 χ^2 /NDF: 1515866.4/15

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

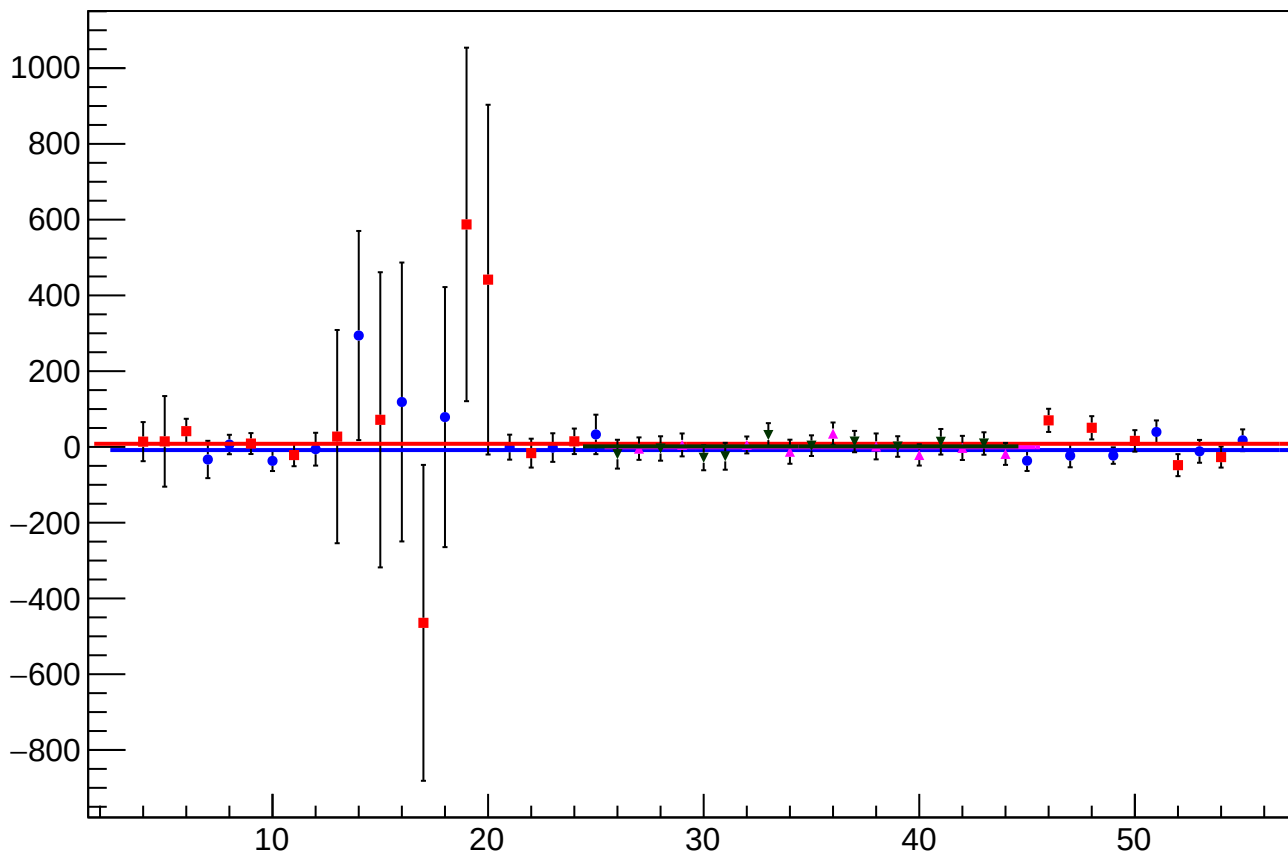
145.468 $\pm$ 0.028 χ^2 /NDF: 2141660.0/25

Right Out: 154.008 $\pm$ 0.039 χ^2 /NDF: 1874123.4/16

134.910 $\pm$ 0.027 χ^2 /NDF: 2699280.9/25

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: -8.287 $\pm$ 8.505 χ^2 /NDF: 8.9/15

Left Out: 1.423 $\pm$ 9.824 χ^2 /NDF: 3.0/9

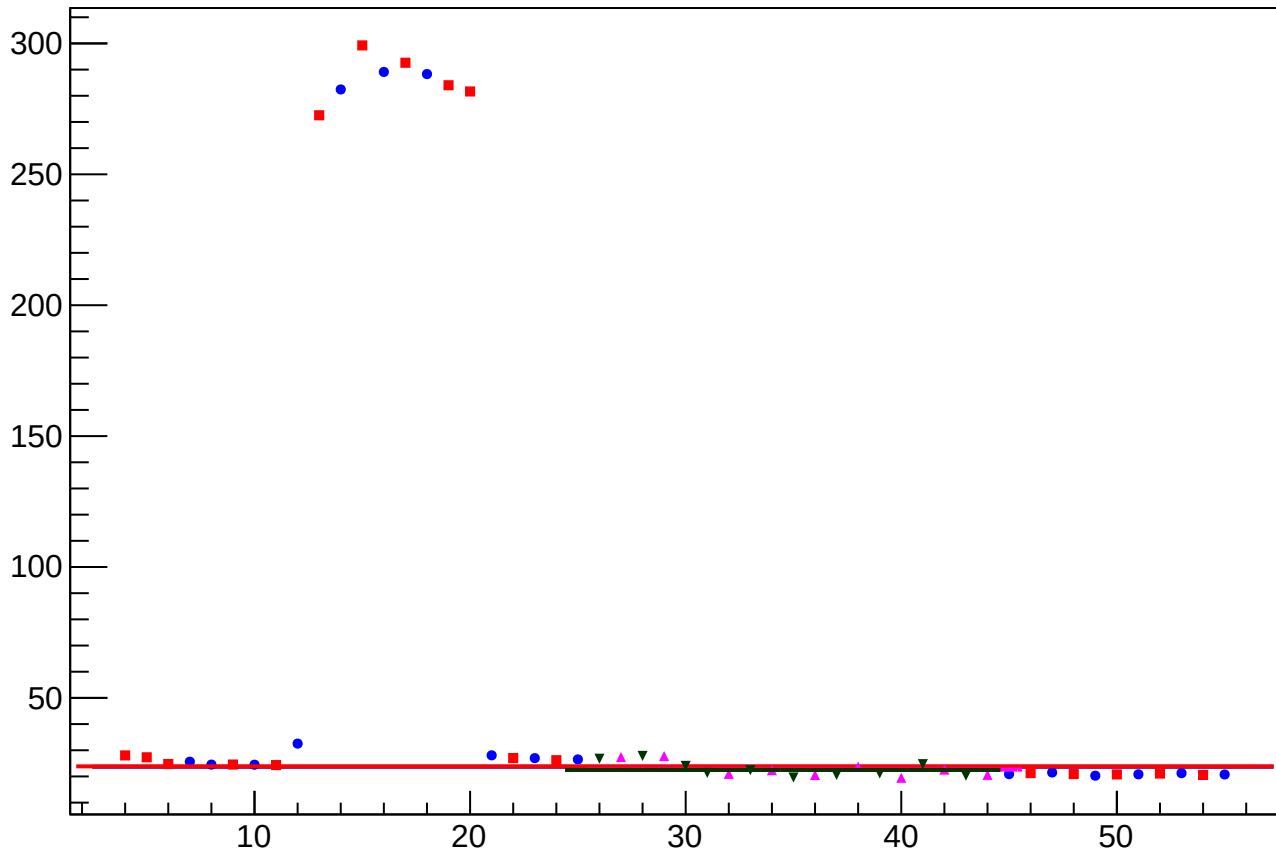
Right Out: 8.257 $\pm$ 9.400 χ^2 /NDF: 17.7/16

Left In: -1.028 $\pm$ 9.666 χ^2 /NDF: 2.7/8

-4.127 $\pm$ 6.430 χ^2 /NDF: 12.5/25

3.744 $\pm$ 6.739 χ^2 /NDF: 20.9/25

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs slug



Right In: 23.698 $\pm$ 0.006 χ^2 /NDF: 4264418.3/15

Left Out: 22.469 $\pm$ 0.007 χ^2 /NDF:142902.0/9

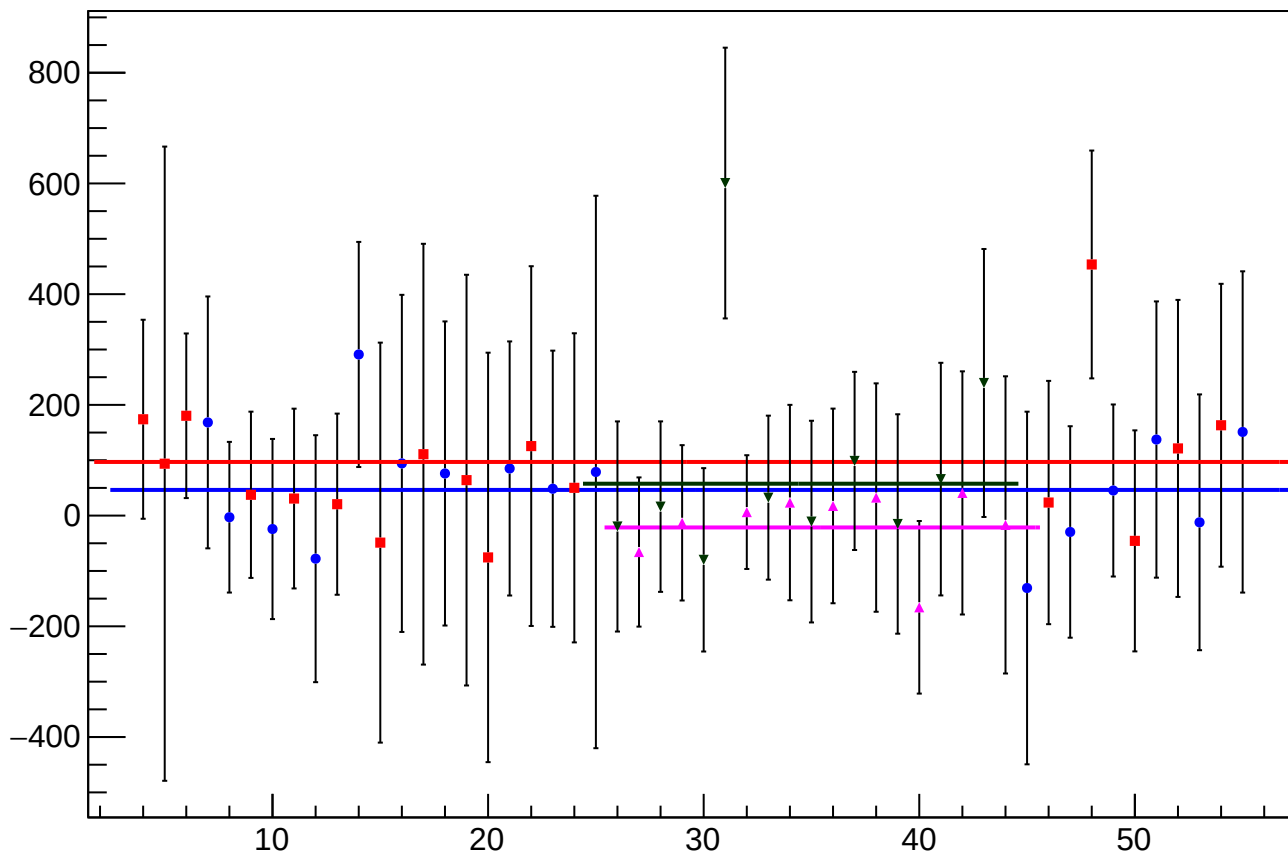
Right Out: 23.854 $\pm$ 0.007 χ^2 /NDF: 4780911.4/16

Left In: 22.600 $\pm$ 0.007 χ^2 /NDF:168139.0/8

23.172 $\pm$ 0.005 χ^2 /NDF: 4425226.7/25

23.244 $\pm$ 0.005 χ^2 /NDF: 4966339.7/25

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs slug



Right In: 46.371+/-53.929 χ^2/NDF : 3.2/15

Left Out: 57.595+/-57.484 χ^2/NDF : 6.8/9

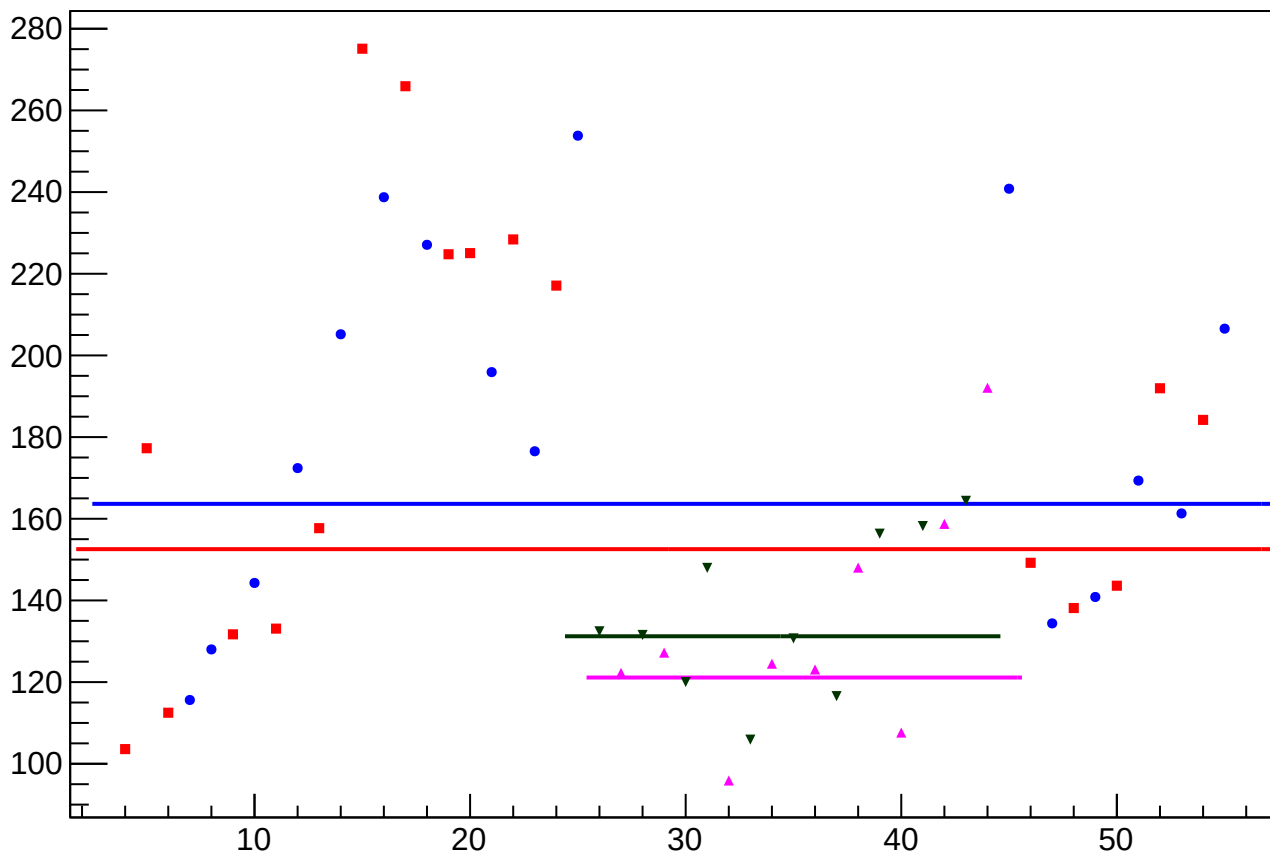
Right Out: 96.902+/-53.532 χ^2/NDF : 5.2/16

Left In: -21.418+/-52.393 χ^2/NDF : 1.3/8

51.625+/-39.330 χ^2/NDF : 10.0/25

36.470+/-37.444 χ^2/NDF : 9.0/25

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs slug



Right In: 163.651 $\pm$ 0.038 χ^2 /NDF: 932102.3/15

Left Out: 131.227 $\pm$ 0.041 χ^2 /NDF: 196358.6/9

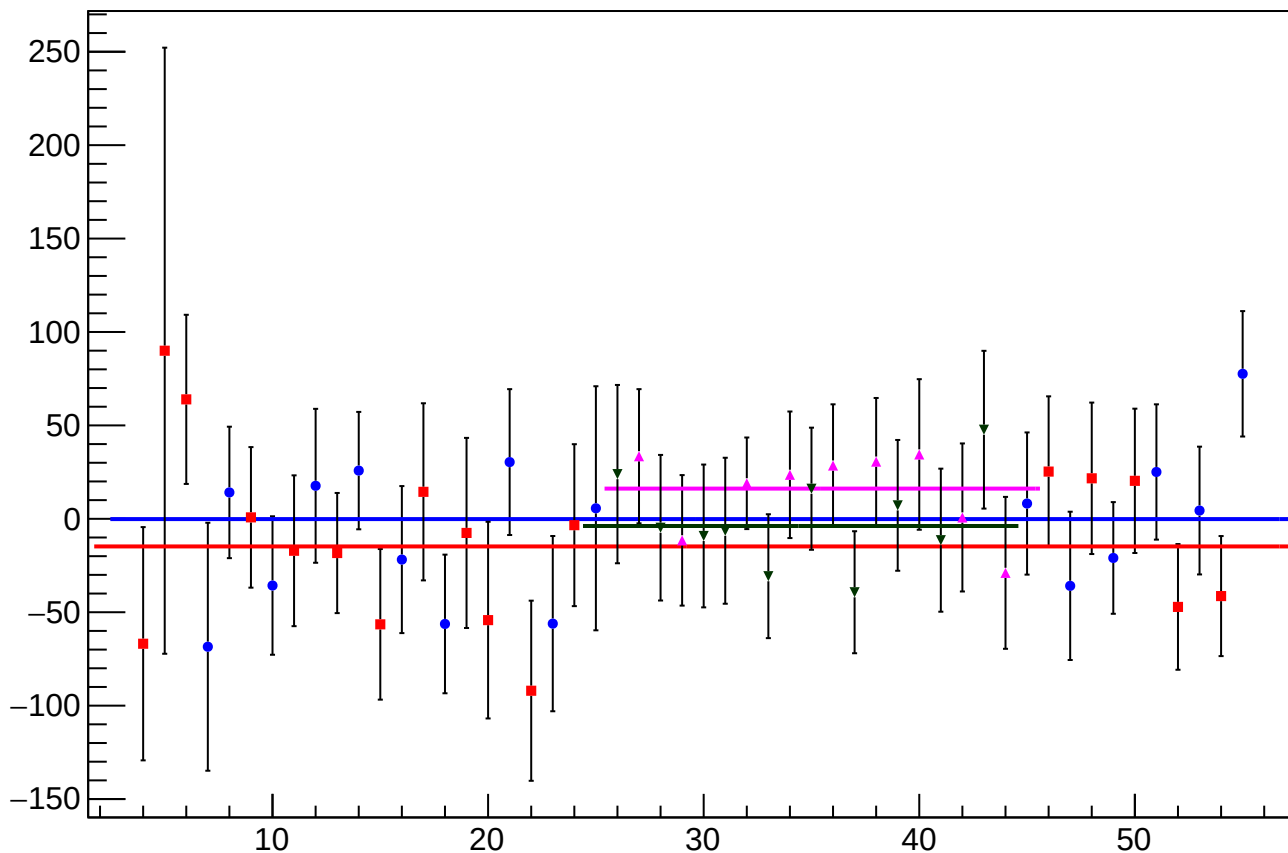
148.473 $\pm$ 0.028 χ^2 /NDF: 1466914.2/25

Right Out: 152.558 $\pm$ 0.038 χ^2 /NDF: 1231263.8/16

136.502 $\pm$ 0.026 χ^2 /NDF: 1956447.6/25

Left In: 121.121 $\pm$ 0.037 χ^2 /NDF: 372893.0/8

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs slug



Right In: -0.145 ± 9.520 $\chi^2/\text{NDF}: 14.9/15$

Left Out: -3.842 ± 11.719 $\chi^2/\text{NDF}: 4.2/9$

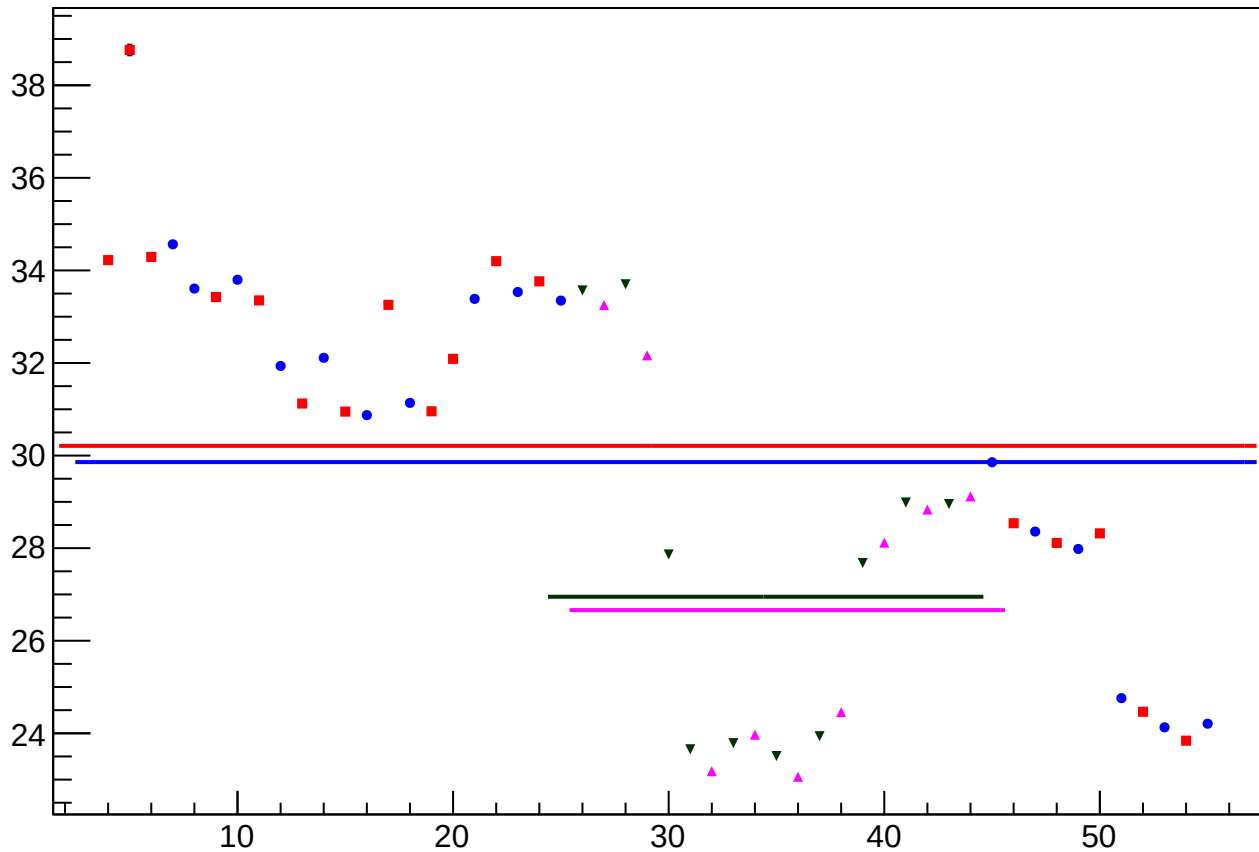
Right Out: -14.783 ± 10.212 $\chi^2/\text{NDF}: 13.2/16$

Left In: 16.171 ± 11.335 $\chi^2/\text{NDF}: 2.8/8$

-1.615 ± 7.389 $\chi^2/\text{NDF}: 19.1/25$

-0.915 ± 7.587 $\chi^2/\text{NDF}: 20.2/25$

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs slug



Right In: 29.859+/-0.007 χ^2 /NDF: 272028.9/15

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

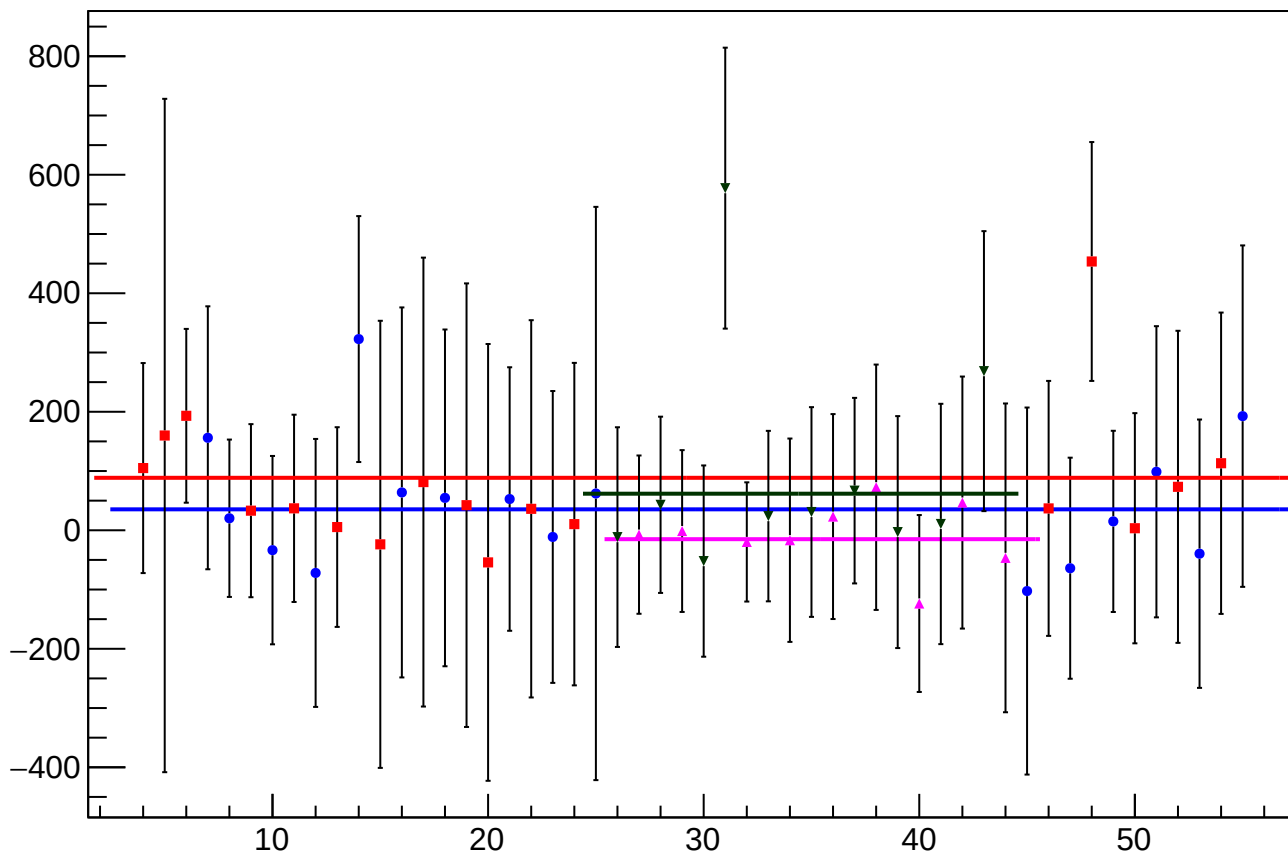
Right Out: 30.210+/-0.007 χ^2 /NDF: 248000.7/16

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

28.703+/-0.005 χ^2 /NDF: 528556.6/25

28.620+/-0.005 χ^2 /NDF: 574587.3/25

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs slug



Right In: 35.342 $\pm$ 53.220 χ^2 /NDF: 3.7/15

Left Out: 61.733 $\pm$ 55.913 χ^2 /NDF:6.4/9

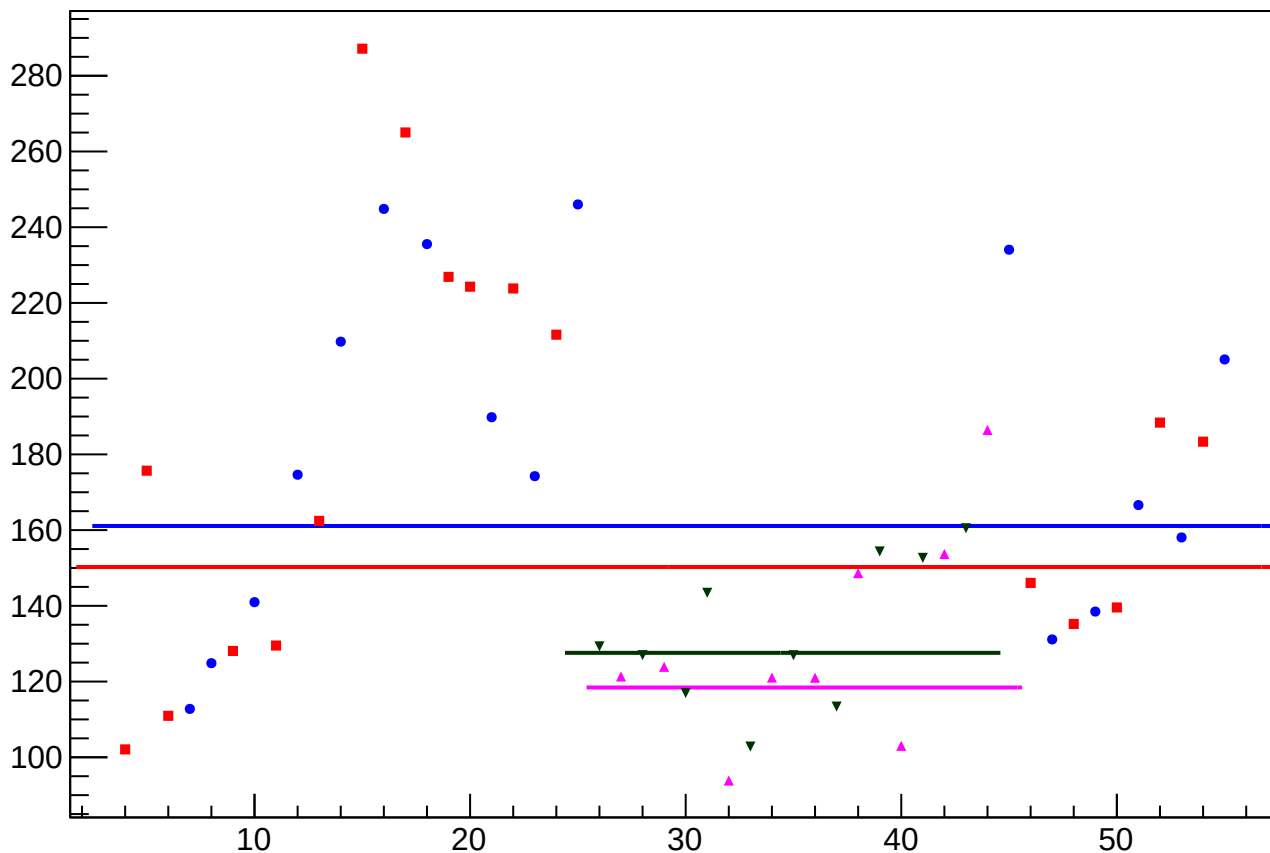
Right Out: 88.559 $\pm$ 52.848 χ^2 /NDF: 4.9/16

Left In: -15.022 $\pm$ 51.235 χ^2 /NDF:0.9/8

47.887 $\pm$ 38.549 χ^2 /NDF: 10.2/25

35.164 $\pm$ 36.786 χ^2 /NDF: 7.8/25

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs slug



Right In: 161.092 $\pm$ 0.038 χ^2 /NDF: 1029170.0/15

Left Out: 127.584 $\pm$ 0.040 χ^2 /NDF: 200343.9/9

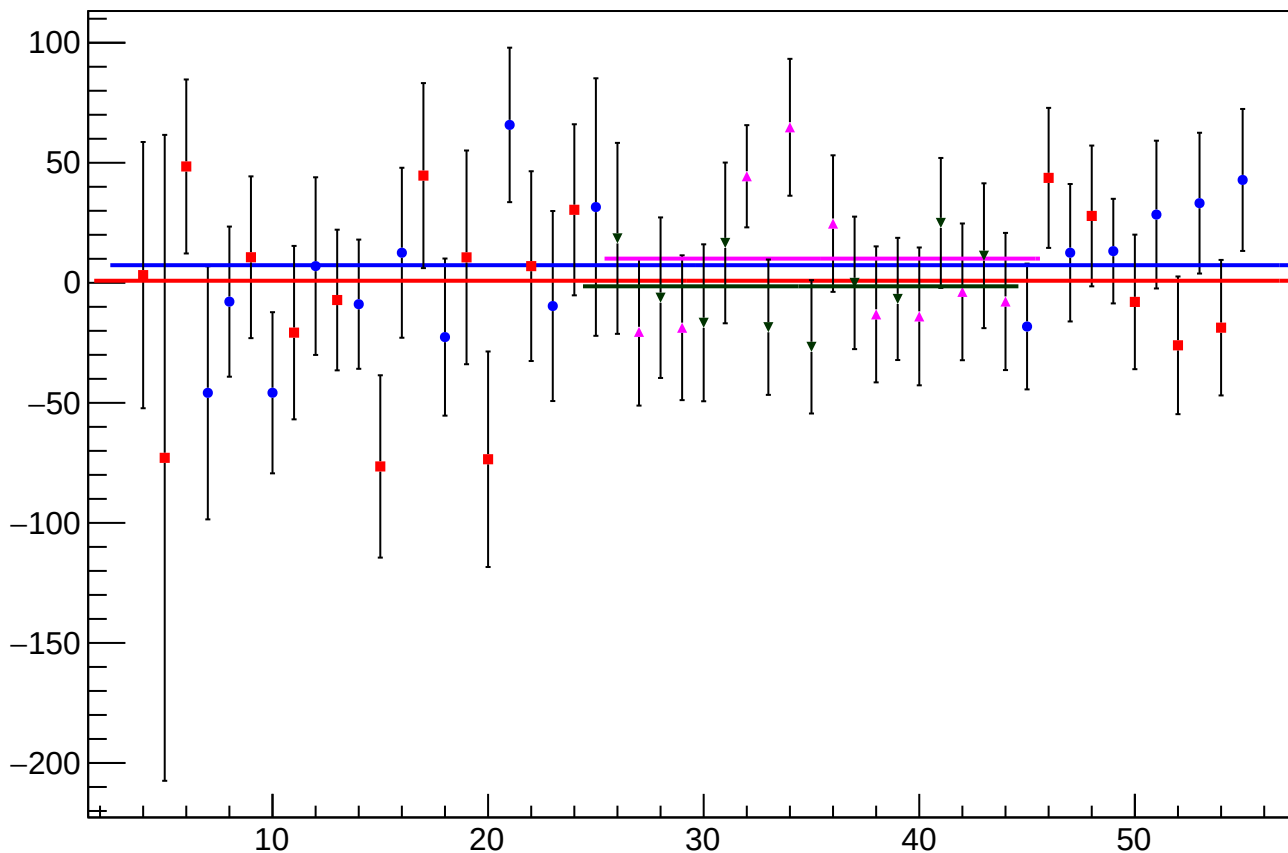
145.164 $\pm$ 0.027 χ^2 /NDF: 1606364.4/25

Right Out: 150.264 $\pm$ 0.037 χ^2 /NDF: 1300203.4/16

133.853 $\pm$ 0.026 χ^2 /NDF: 2053889.0/25

Left In: 118.429 $\pm$ 0.036 χ^2 /NDF: 379567.1/8

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs slug



Right In: 7.341 ± 7.853 χ^2/NDF : 12.4/15

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

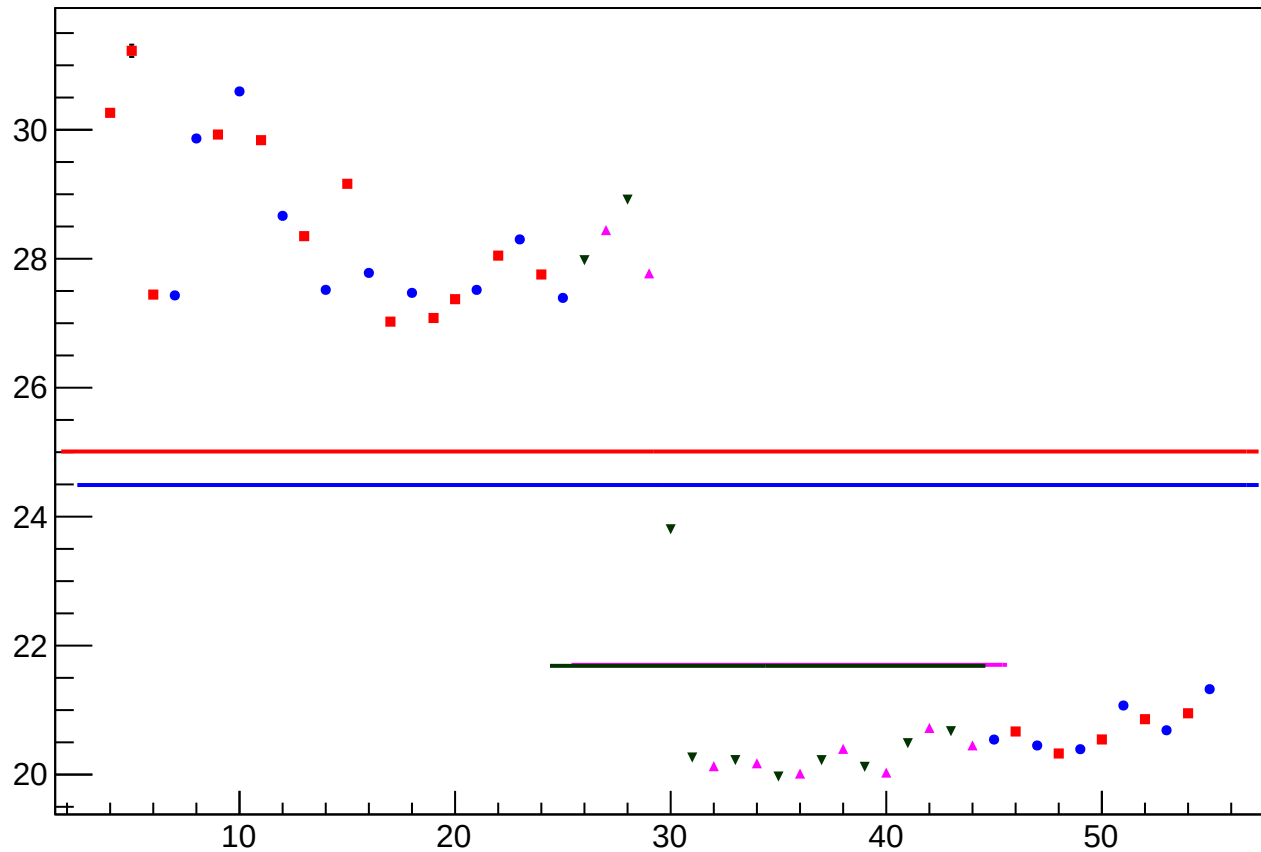
Right Out: 0.864 ± 8.502 χ^2/NDF : 16.0/16

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

3.741 ± 6.036 χ^2/NDF : 16.1/25

5.096 ± 6.252 χ^2/NDF : 26.9/25

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs slug



Right In: 24.491 $\pm$ 0.006 χ^2/NDF : 495482.4/15

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

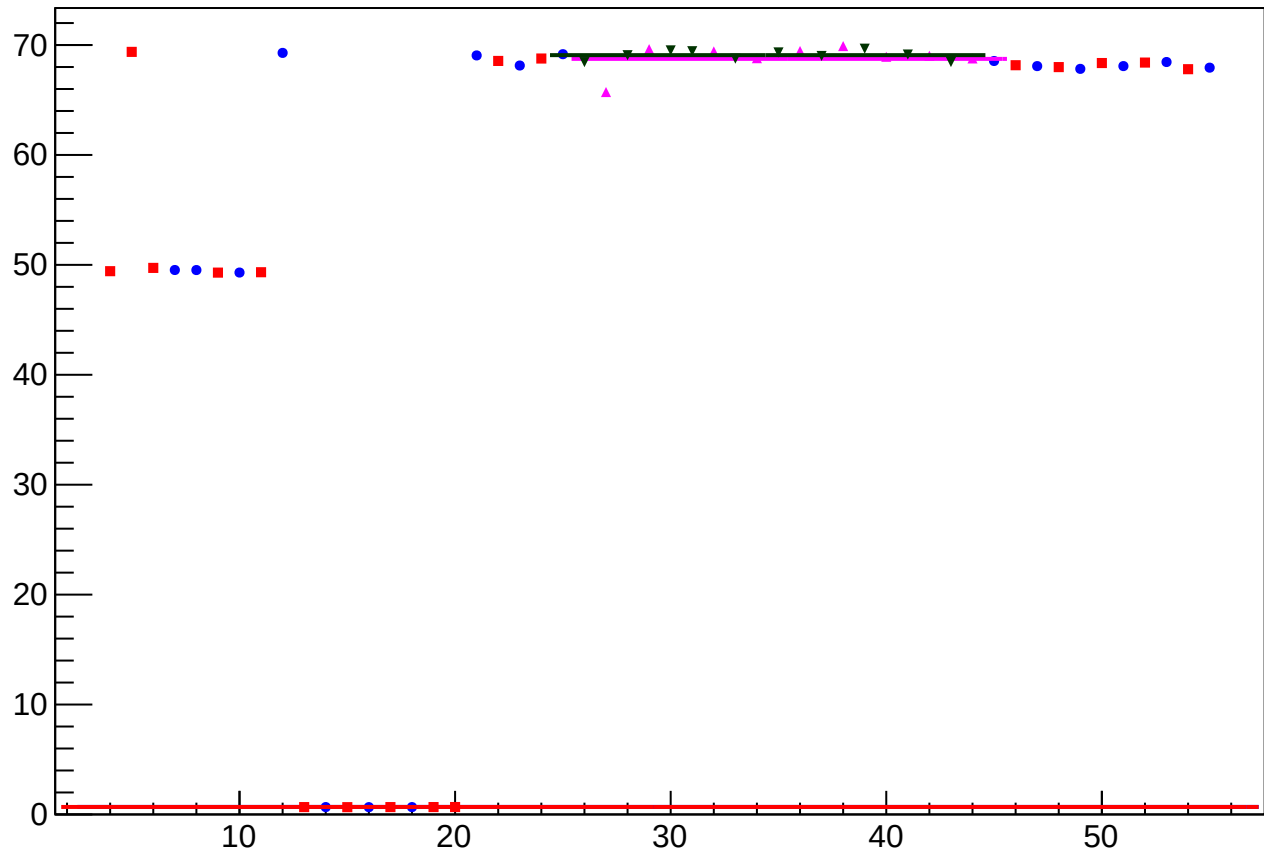
Right Out: 25.011 $\pm$ 0.006 χ^2/NDF : 427949.3/16

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

23.343 $\pm$ 0.004 χ^2/NDF : 787812.8/25

23.491 $\pm$ 0.004 χ^2/NDF : 785345.0/25

yield_bcm_an_ds_mean vs slug



Right In: 0.685+/-0.000 χ^2/NDF : 884548083694.9/15

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

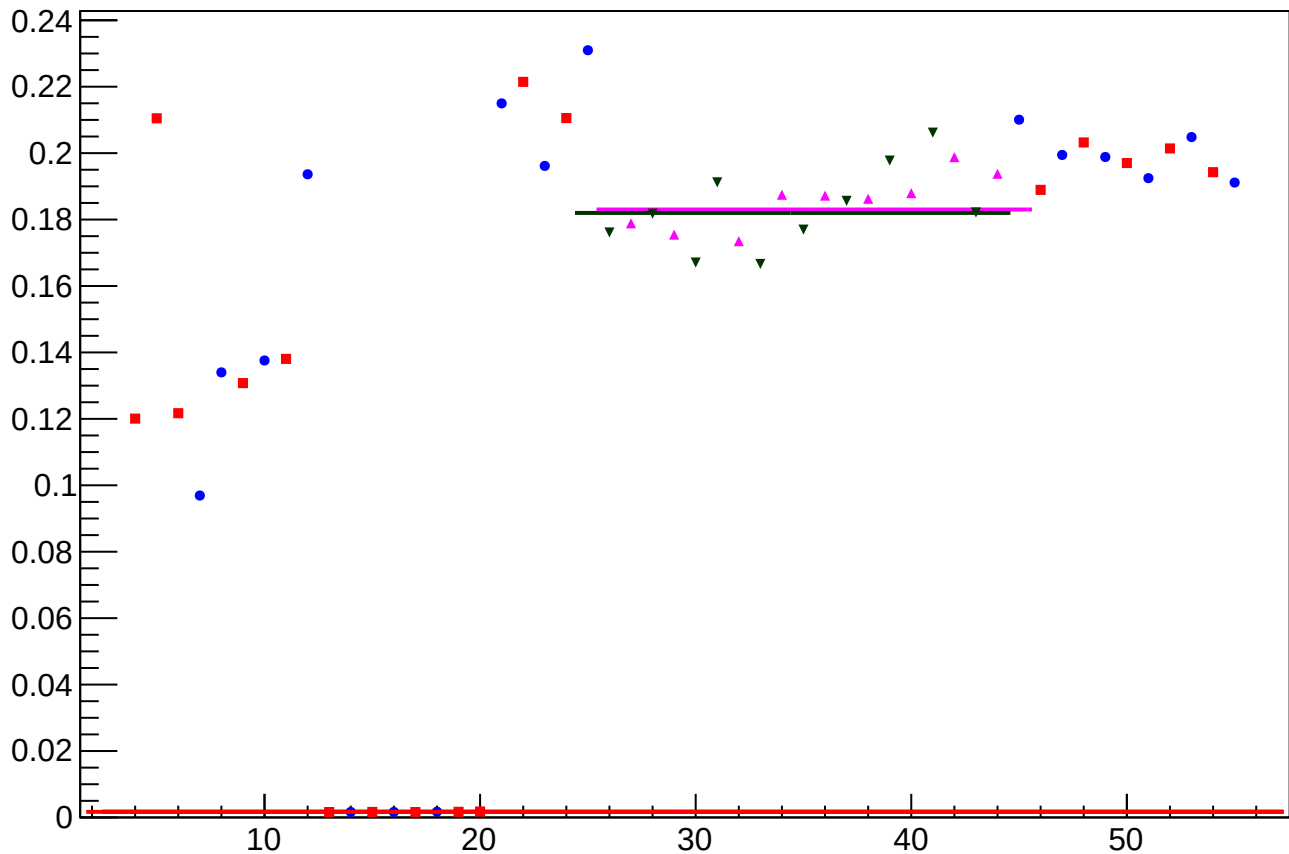
Right Out: 0.682+/-0.000 χ^2/NDF : 732549464990.3/16

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

0.698+/-0.000 χ^2/NDF : 1613389545687.8/25

0.693+/-0.000 χ^2/NDF : 1482664567689.7/25

yield_bcm_an_ds_rms vs slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 14349999.5/15

Left Out: 0.182 $\pm$ 0.000 χ^2 /NDF:43515.3/9

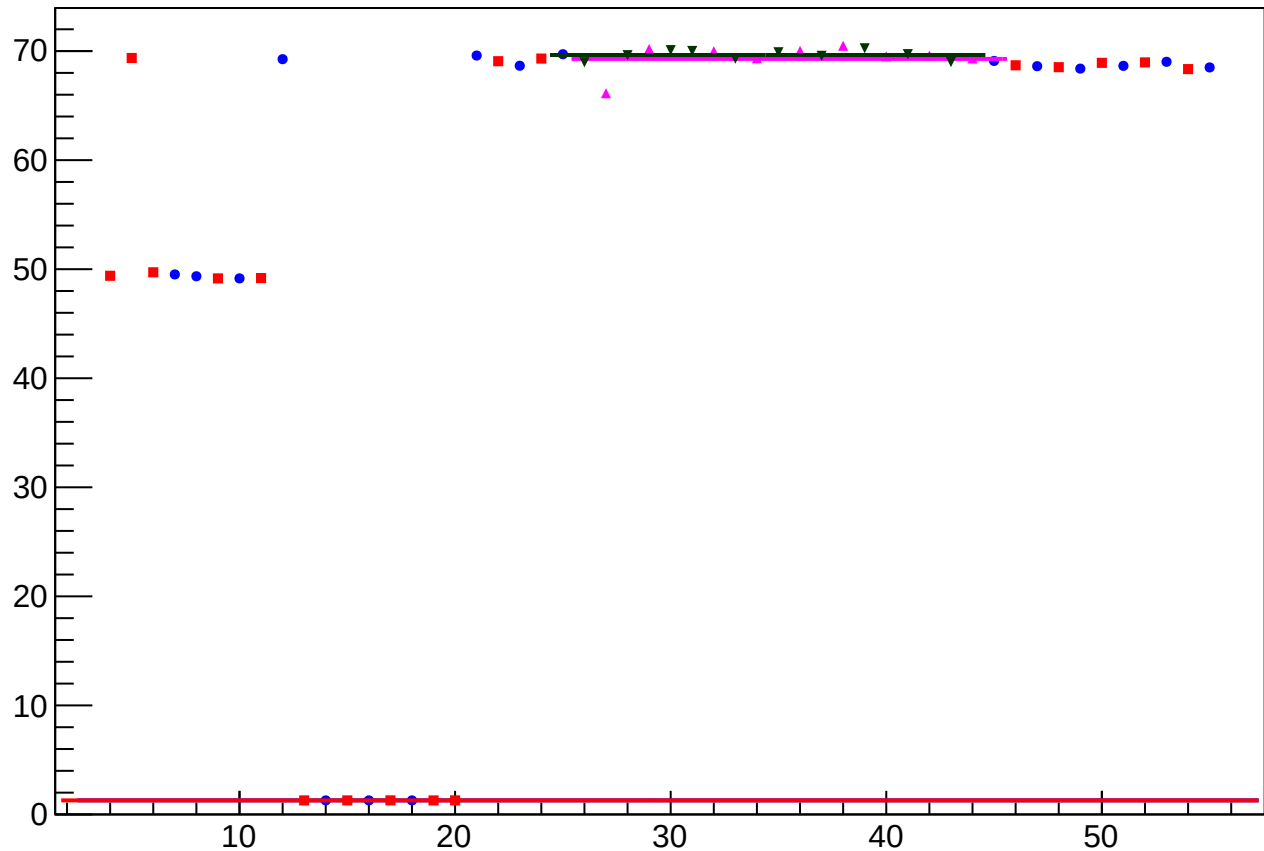
0.002 $\pm$ 0.000 χ^2 /NDF: 24518152.5/25

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 11578197.6/16

0.002 $\pm$ 0.000 χ^2 /NDF: 22244128.1/25

Left In: 0.183 $\pm$ 0.000 χ^2 /NDF:20451.6/8

yield_bcm_an_ds3_mean vs slug



Right In: 1.291+/-0.000 χ^2/NDF : 865131615578.6/15

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

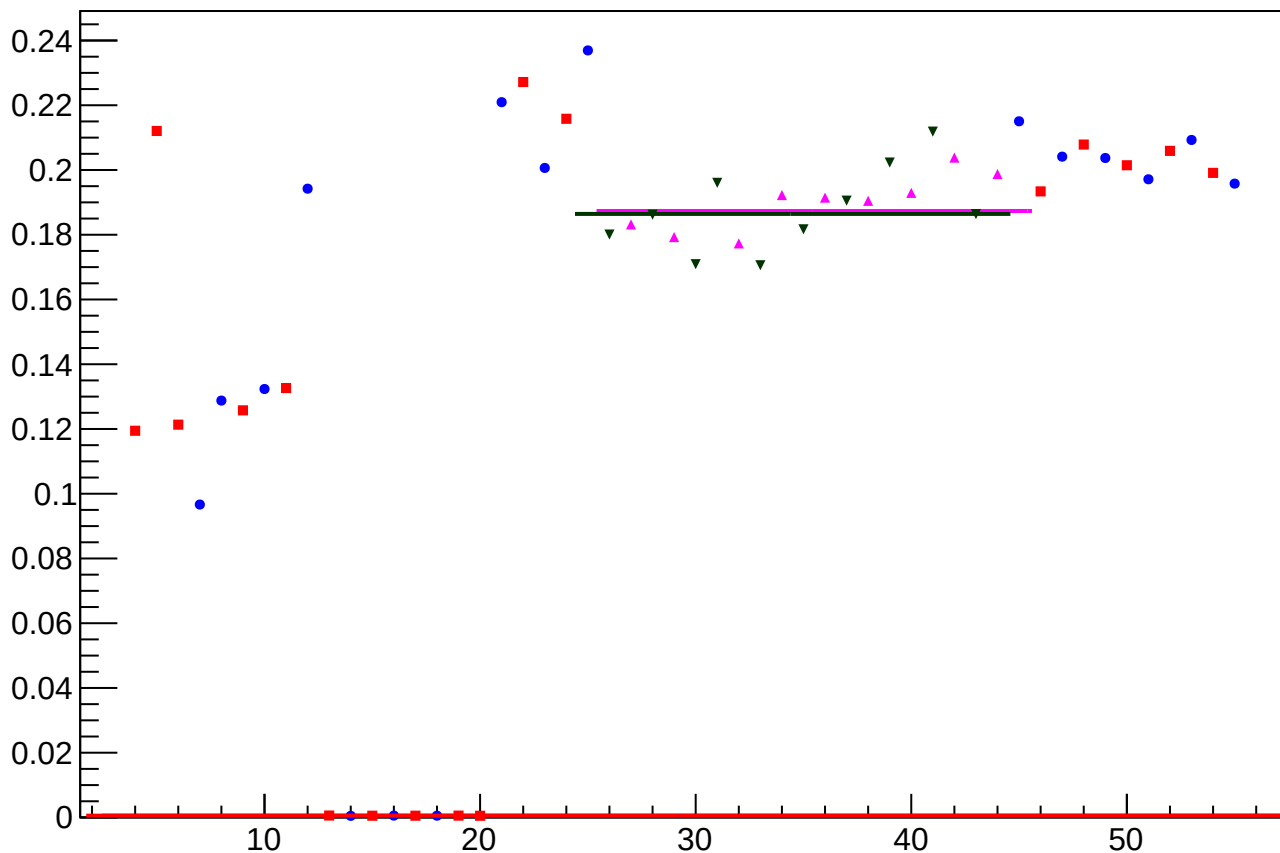
Right Out: 1.290+/-0.000 χ^2/NDF : 719140540299.7/16

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

1.292+/-0.000 χ^2/NDF : 1558691772432.0/25

1.291+/-0.000 χ^2/NDF : 1433658826417.5/25

yield_bcm_an_ds3_rms vs slug



Right In: 0.001+/-0.000 χ^2/NDF : 14562877.7/15

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

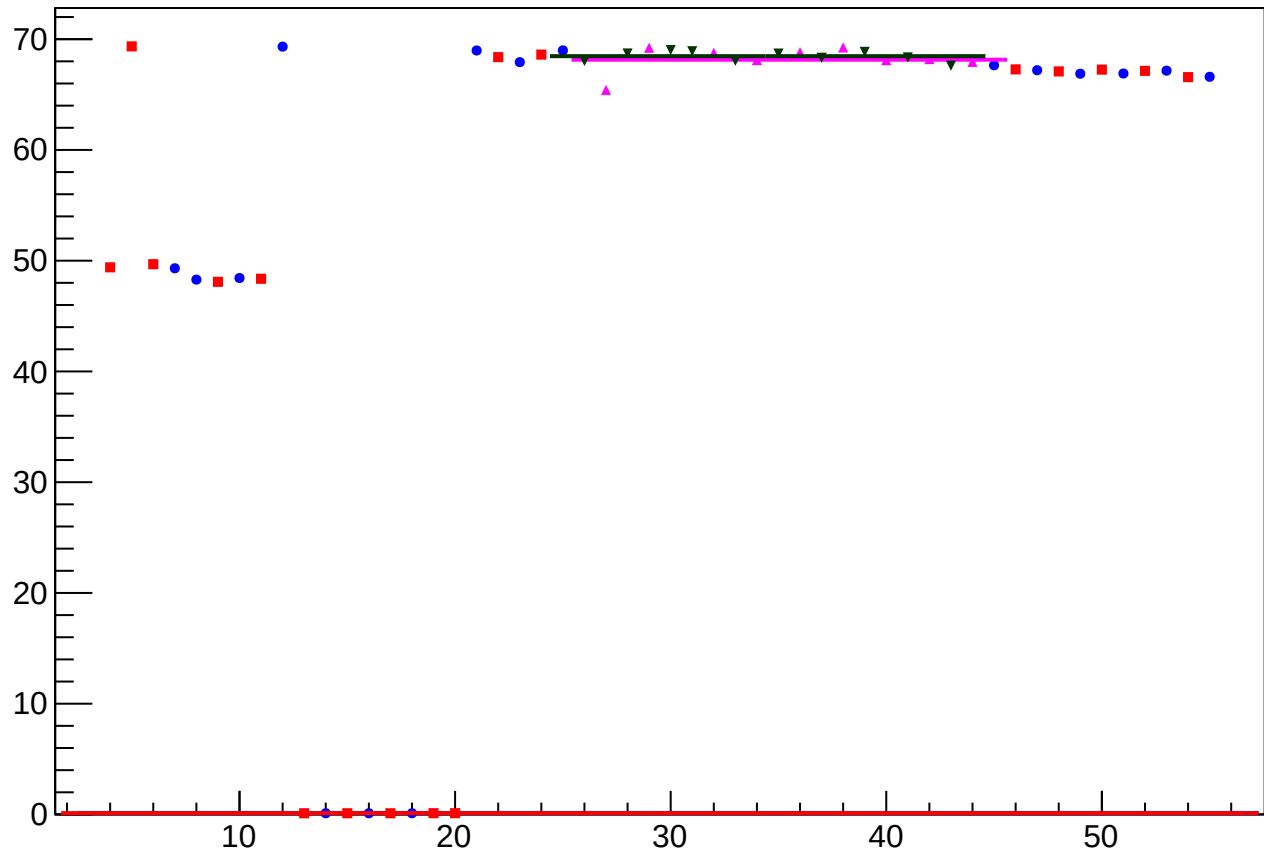
Right Out: 0.001+/-0.000 χ^2/NDF : 11741085.3/16

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

0.001+/-0.000 χ^2/NDF : 24868511.5/25

0.001+/-0.000 χ^2/NDF : 22541573.2/25

yield_bcm_an_us_mean vs slug



Right In: 0.124+/-0.000 χ^2/NDF : 915363998912.8/15

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

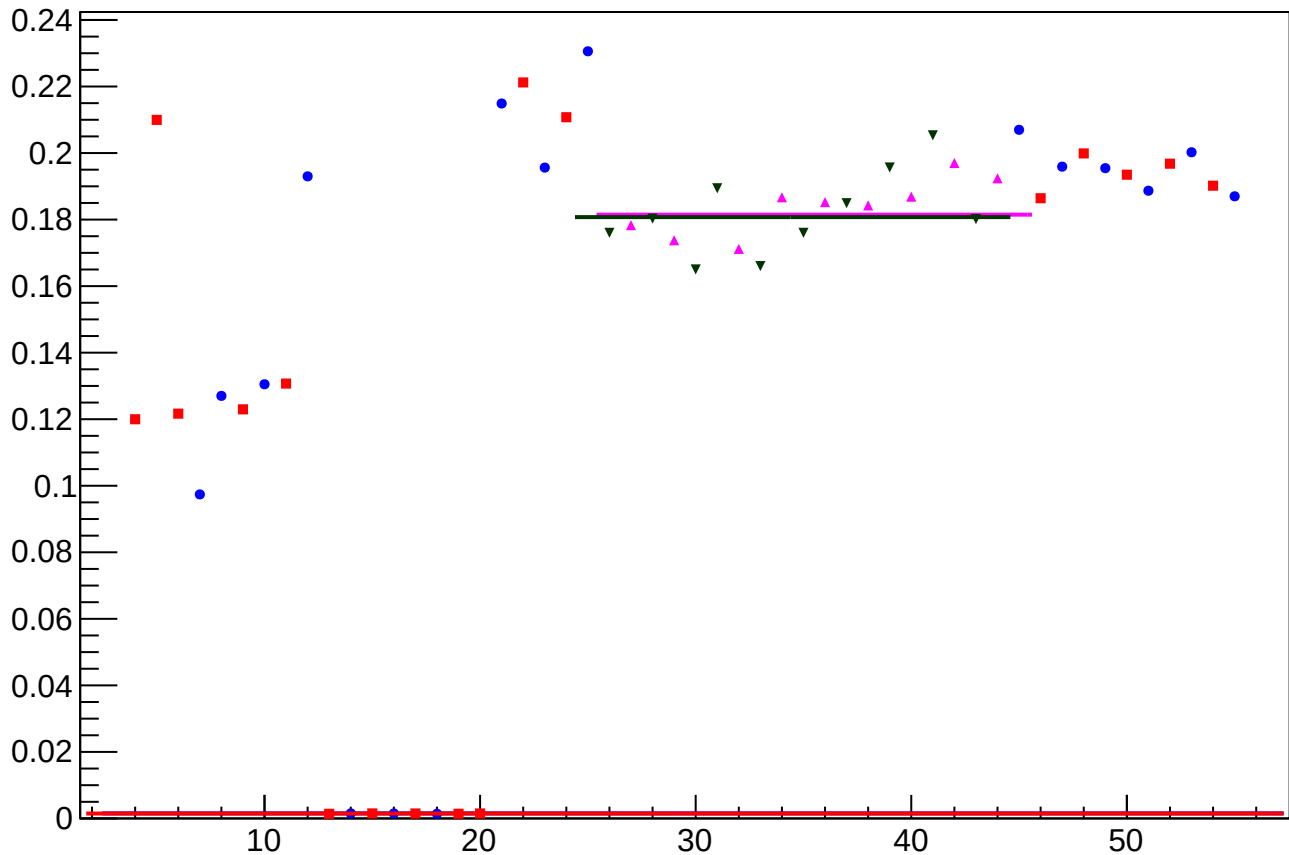
Right Out: 0.120+/-0.000 χ^2/NDF : 761197318396.9/16

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

0.134+/-0.000 χ^2/NDF : 1651971204196.3/25

0.129+/-0.000 χ^2/NDF : 1523107850919.6/25

yield_bcm_an_us_rms vs slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 14369899.6/15

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

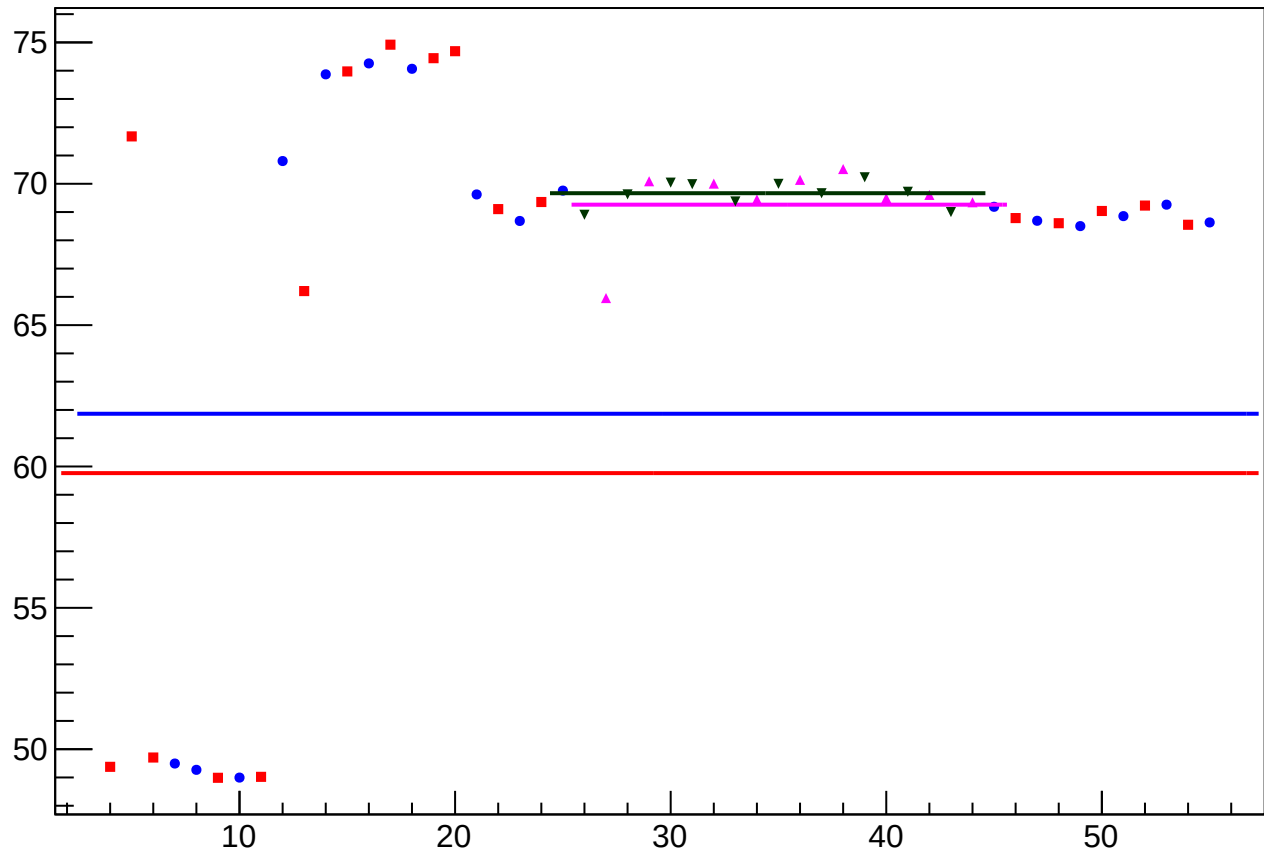
0.002 $\pm$ 0.000 χ^2 /NDF: 24543391.3/25

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 11599292.7/16

0.002 $\pm$ 0.000 χ^2 /NDF: 22286183.2/25

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

yield_bcm_dg_us_mean vs slug



Right In: 61.865+/-0.000 χ^2/NDF : 32153195813.4/15

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

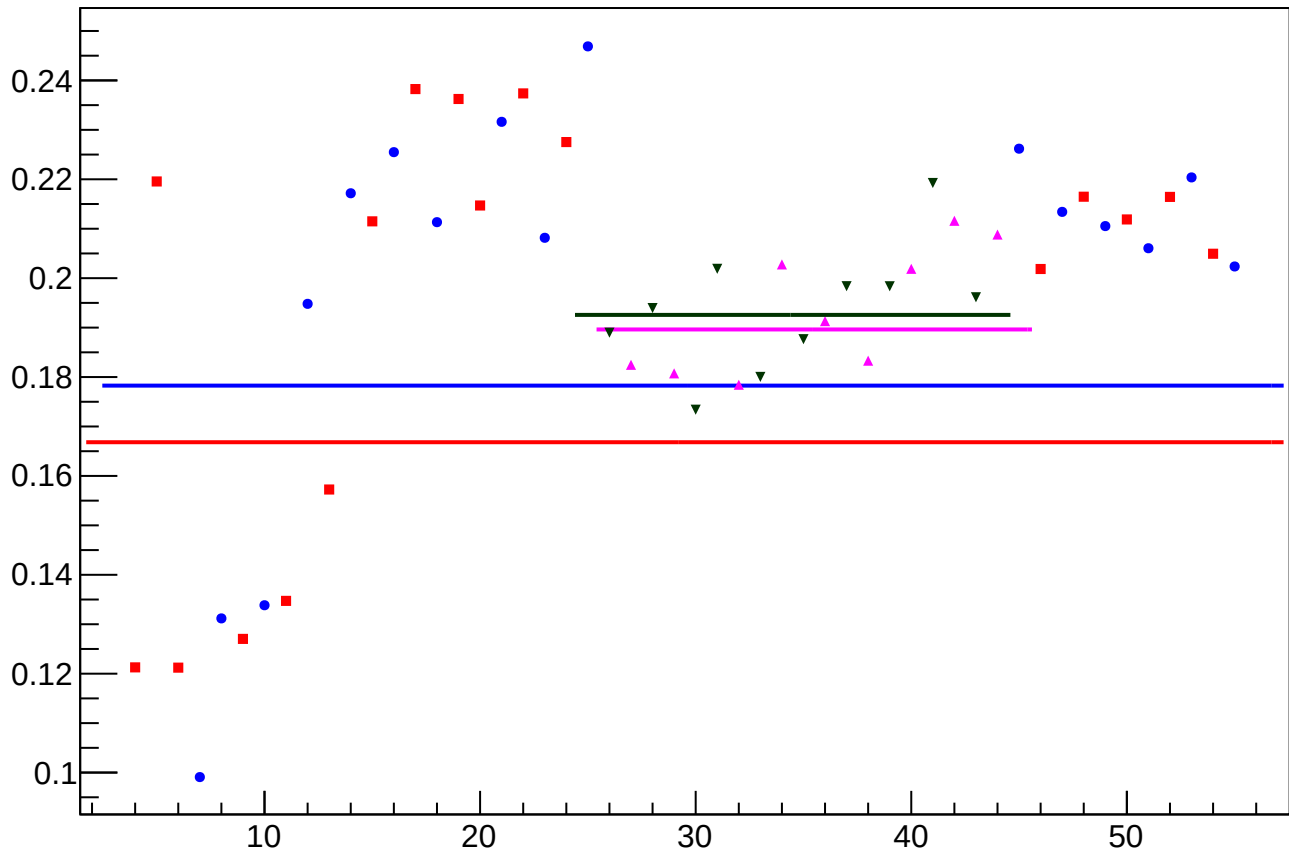
64.433+/-0.000 χ^2/NDF : 37865134734.5/25

Right Out: 59.765+/-0.000 χ^2/NDF : 31191773239.1/16

63.045+/-0.000 χ^2/NDF : 40390474490.8/25

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

yield_bcm_dg_us_rms vs slug



Right In: 0.178+/-0.000 χ^2/NDF : 1166970.9/15

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

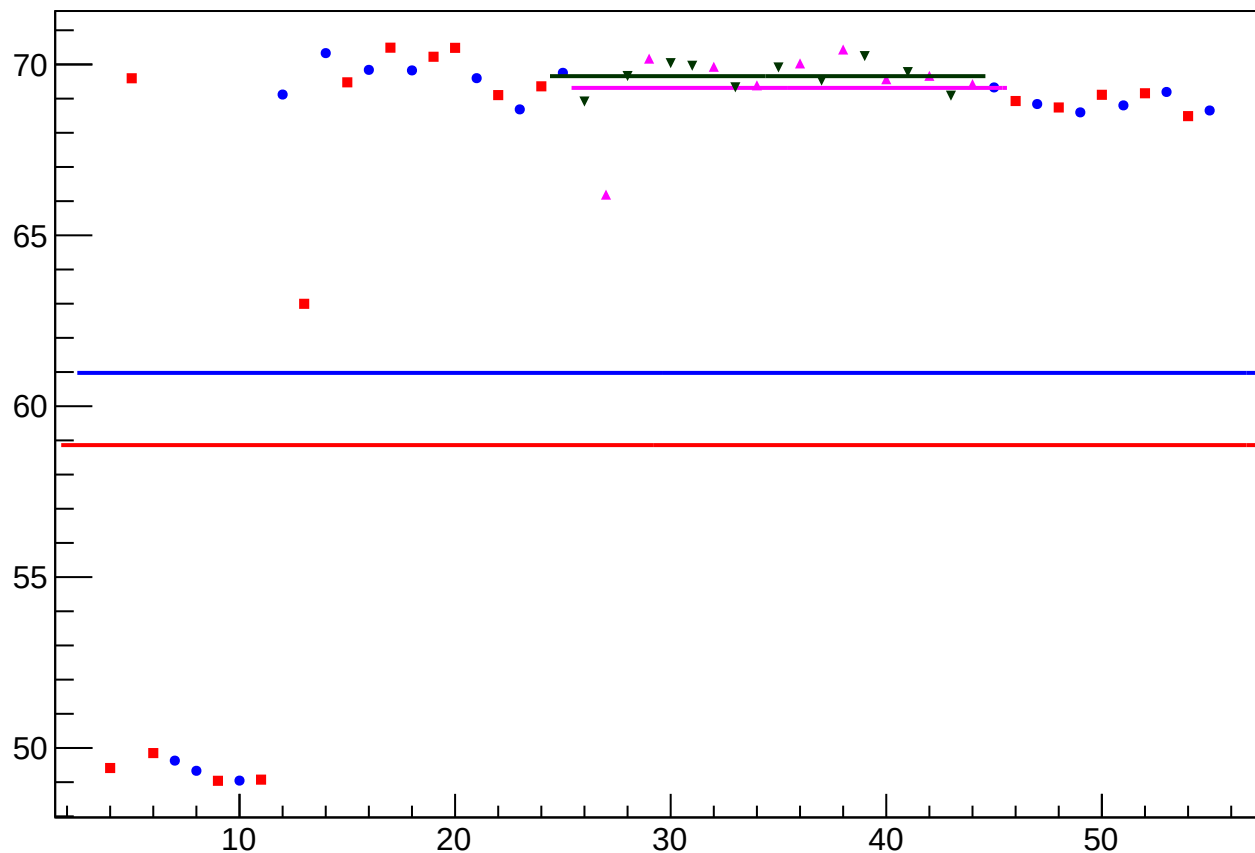
Right Out: 0.167+/-0.000 χ^2/NDF : 1097872.5/16

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

0.183+/-0.000 χ^2/NDF : 1243928.3/25

0.175+/-0.000 χ^2/NDF : 1241551.8/25

yield_bcm_dg_ds_mean vs slug



Right In: 60.975 $\pm$ 0.000 χ^2 /NDF: 28978043052.0/15

Left Out: 69.657 $\pm$ 0.000 χ^2 /NDF: 23922100.2/9

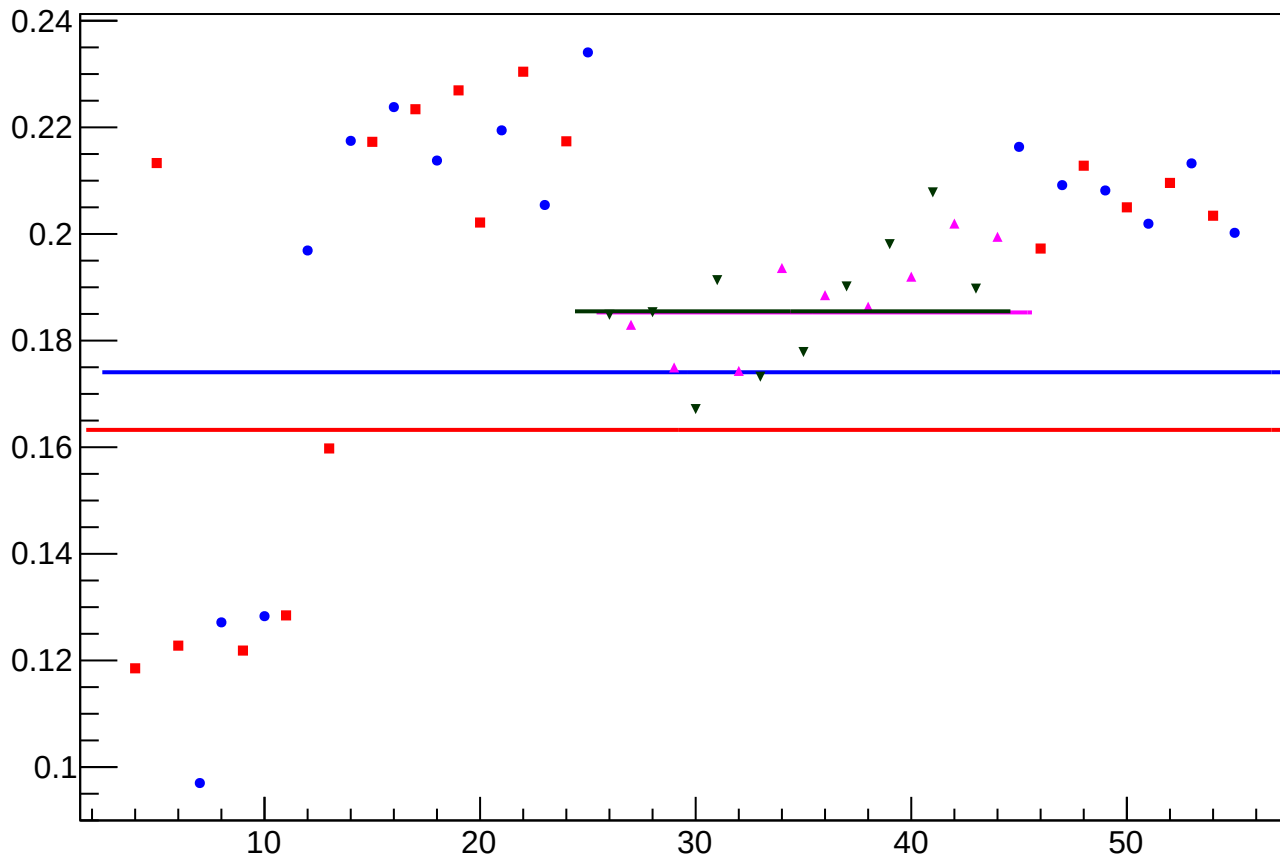
Right Out: 58.862 $\pm$ 0.000 χ^2 /NDF: 27258902166.0/16

Left In: 69.314 $\pm$ 0.000 χ^2 /NDF: 295096532.4/8

63.890 $\pm$ 0.000 χ^2 /NDF: 36524090653.2/25

62.485 $\pm$ 0.000 χ^2 /NDF: 38814342597.8/25

yield_bcm_dg_ds_rms vs slug



Right In: 0.174+/-0.000 χ^2/NDF : 1227093.8/15

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

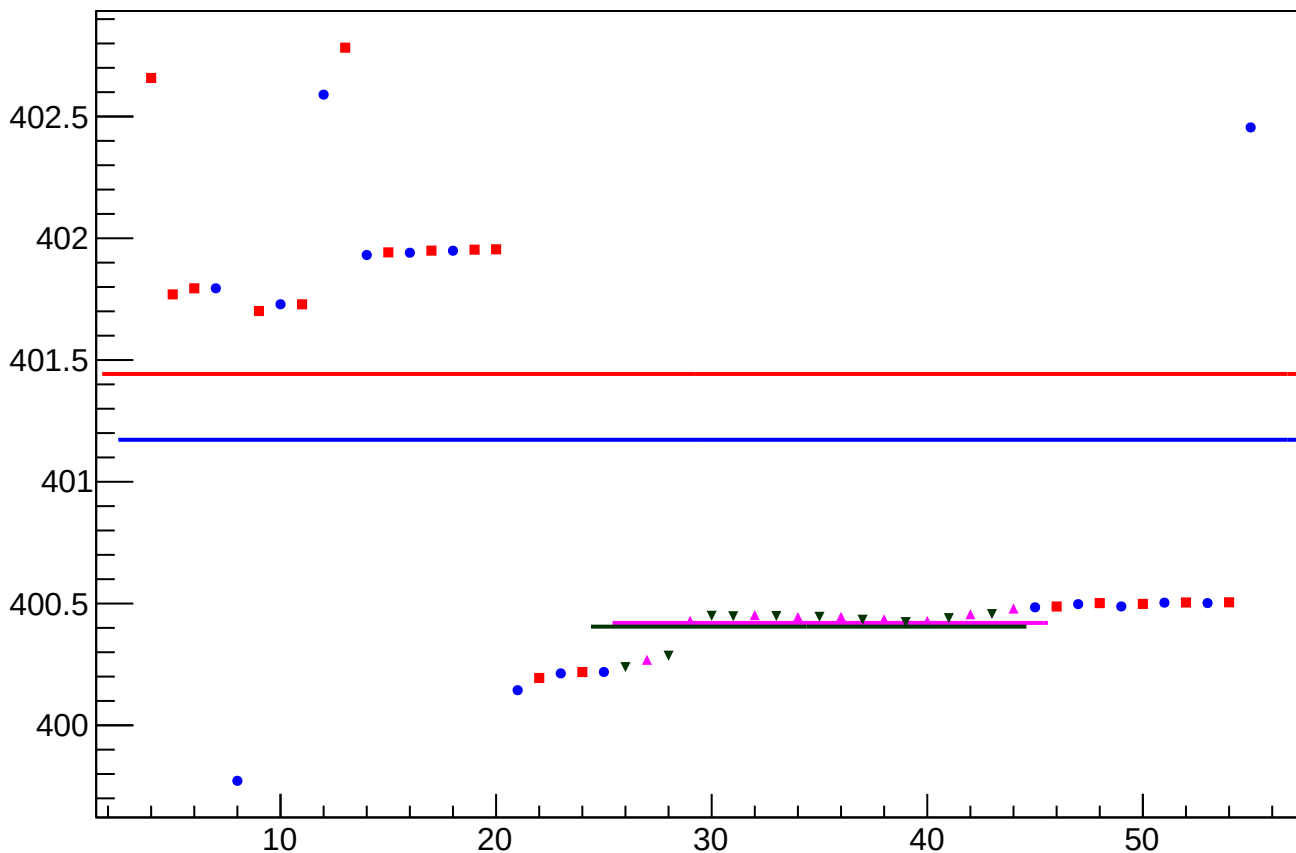
Right Out: 0.163+/-0.000 χ^2/NDF : 1077627.8/16

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

0.178+/-0.000 χ^2/NDF : 1291826.6/25

0.171+/-0.000 χ^2/NDF : 1205607.5/25

yield_cav4bQ_mean vs slug



Right In: 401.173+/-0.000 χ^2/NDF : 179932608858.5/15

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

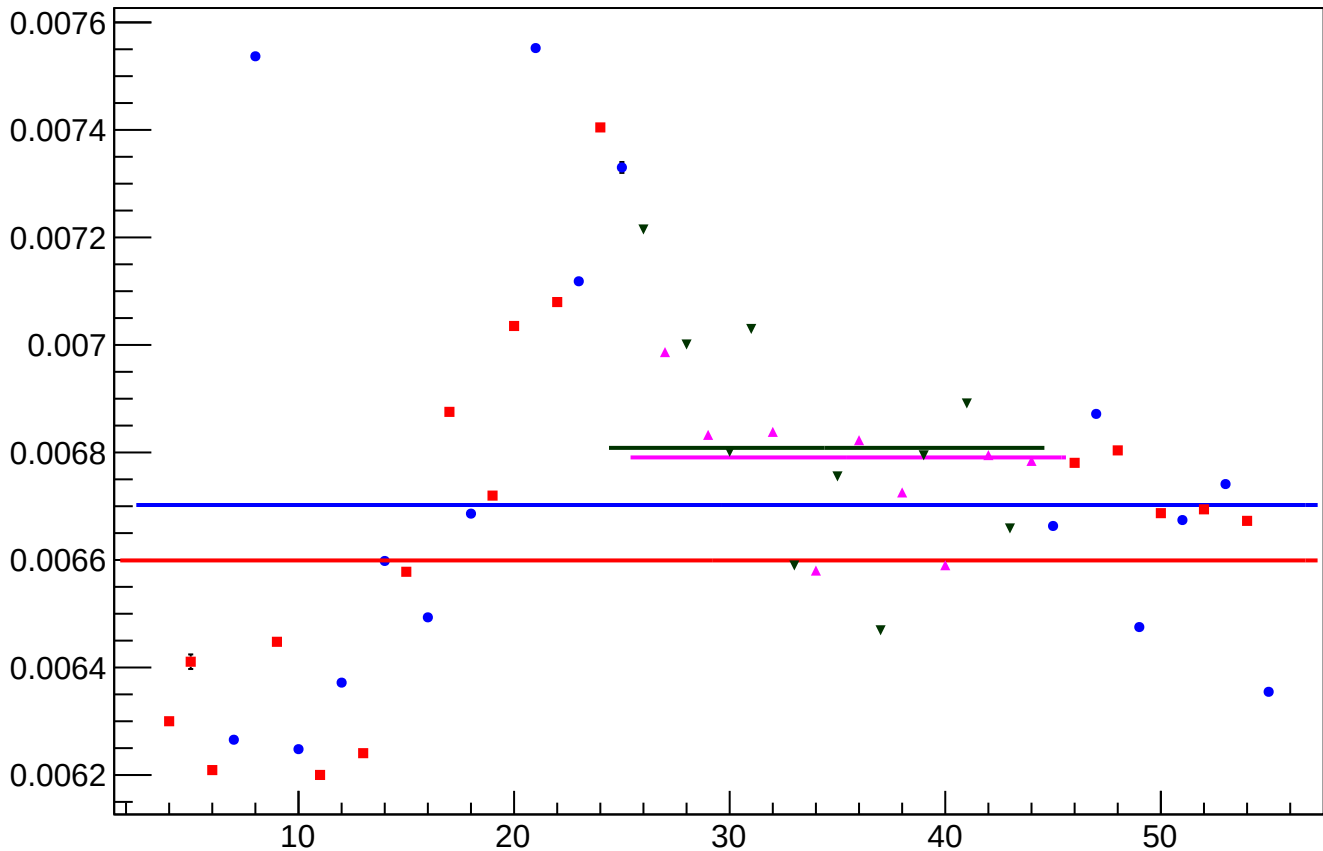
Right Out: 401.443+/-0.000 χ^2/NDF : 155885934212.0/16

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

400.908+/-0.000 χ^2/NDF : 225295071457.4/25

401.062+/-0.000 χ^2/NDF : 236622300483.7/25

yield_cav4bQ_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 69655.0/15

Left Out: 0.007+/-0.000 χ^2/NDF : 9783.1/9

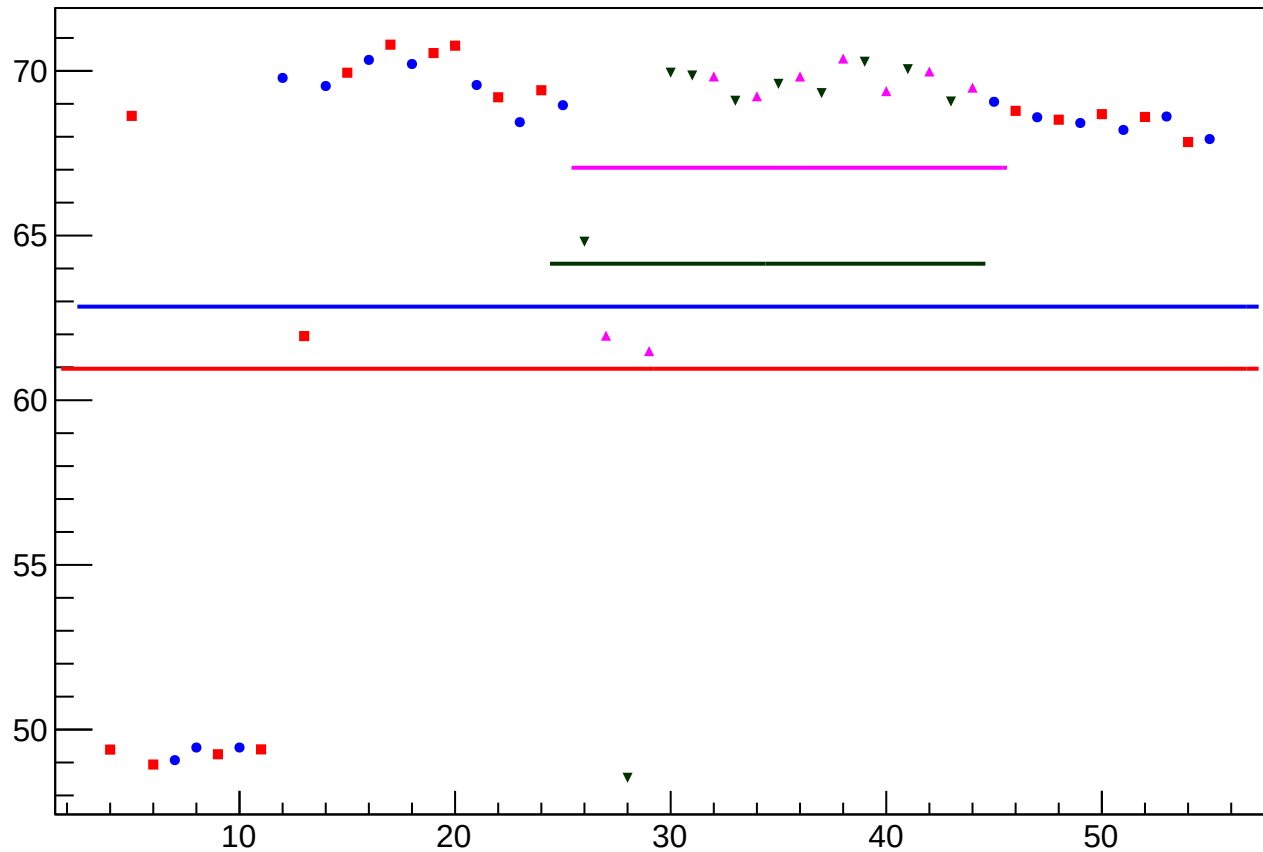
Right Out: 0.007+/-0.000 χ^2/NDF : 44927.2/16

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

0.007+/-0.000 χ^2/NDF : 81154.2/25

0.007+/-0.000 χ^2/NDF : 54106.8/25

yield_cav4cQ_mean vs slug



Right In: 62.842 $\pm$ 0.000 χ^2/NDF : 16518931232.9/15

Left Out: 64.145 $\pm$ 0.000 χ^2/NDF : 8533420736.0/9

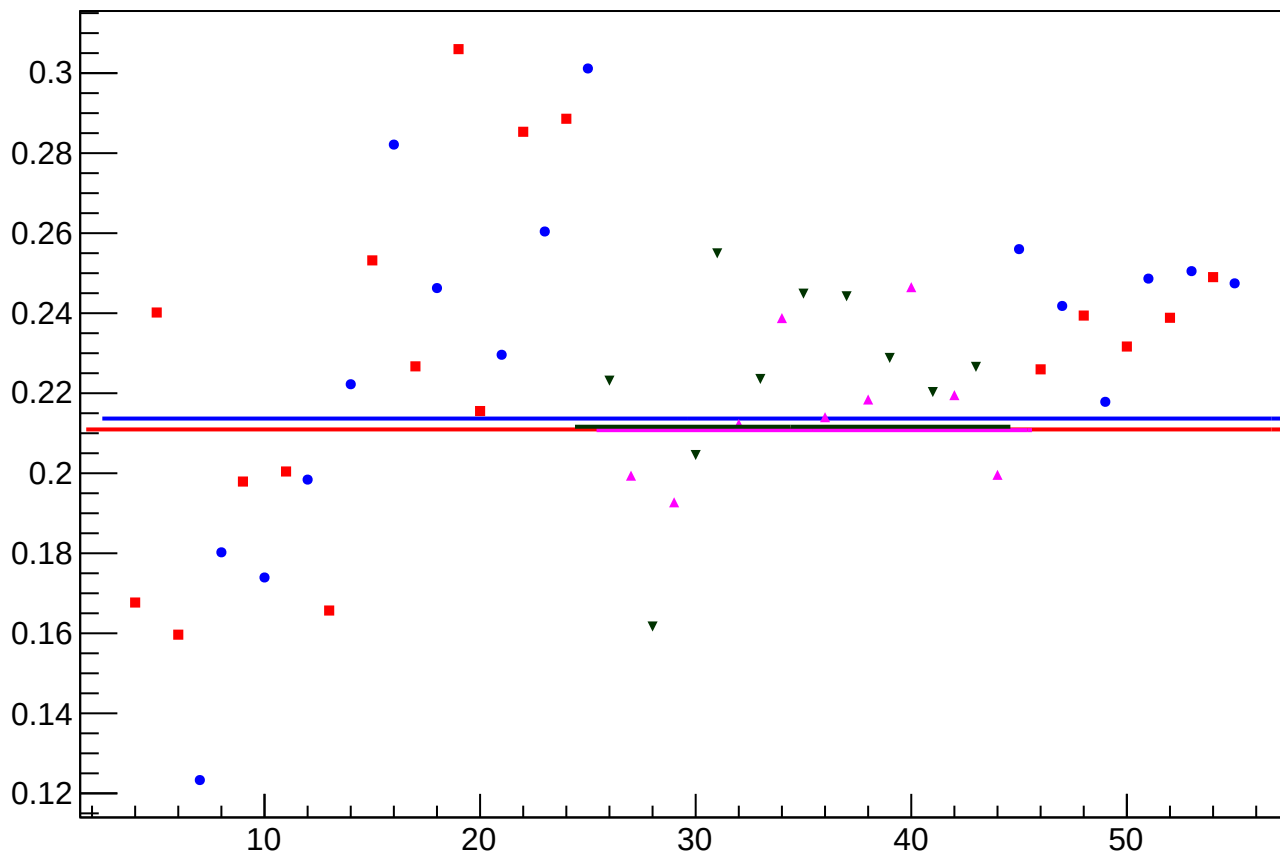
Right Out: 60.957 $\pm$ 0.000 χ^2/NDF : 14633345973.6/16

Left In: 67.060 $\pm$ 0.000 χ^2/NDF : 1652898078.7/8

63.304 $\pm$ 0.000 χ^2/NDF : 25169182753.1/25

63.386 $\pm$ 0.000 χ^2/NDF : 18842630414.2/25

yield_cav4cQ_rms vs slug



Right In: 0.214 $\pm$ 0.000 χ^2 /NDF: 641052.2/15

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

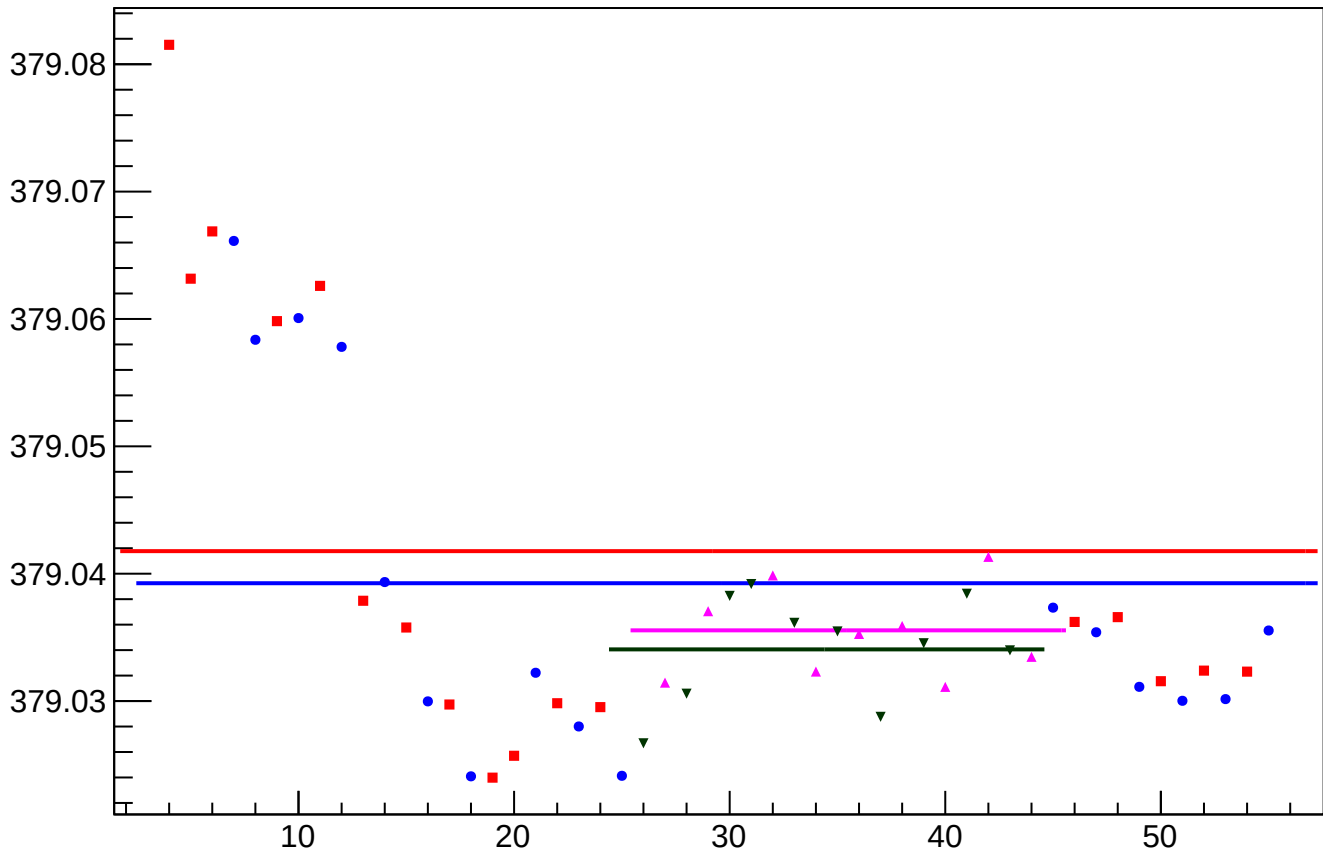
Right Out: 0.211 $\pm$ 0.000 χ^2 /NDF: 558256.8/16

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

0.213 $\pm$ 0.000 χ^2 /NDF: 843040.7/25

0.211 $\pm$ 0.000 χ^2 /NDF: 612854.4/25

yield_cav4dQ_mean vs slug



Right In: 379.039 $\pm$ 0.000 χ^2 /NDF: 33044976.2/15

Left Out: 379.034 $\pm$ 0.000 χ^2 /NDF:1785889.4/9

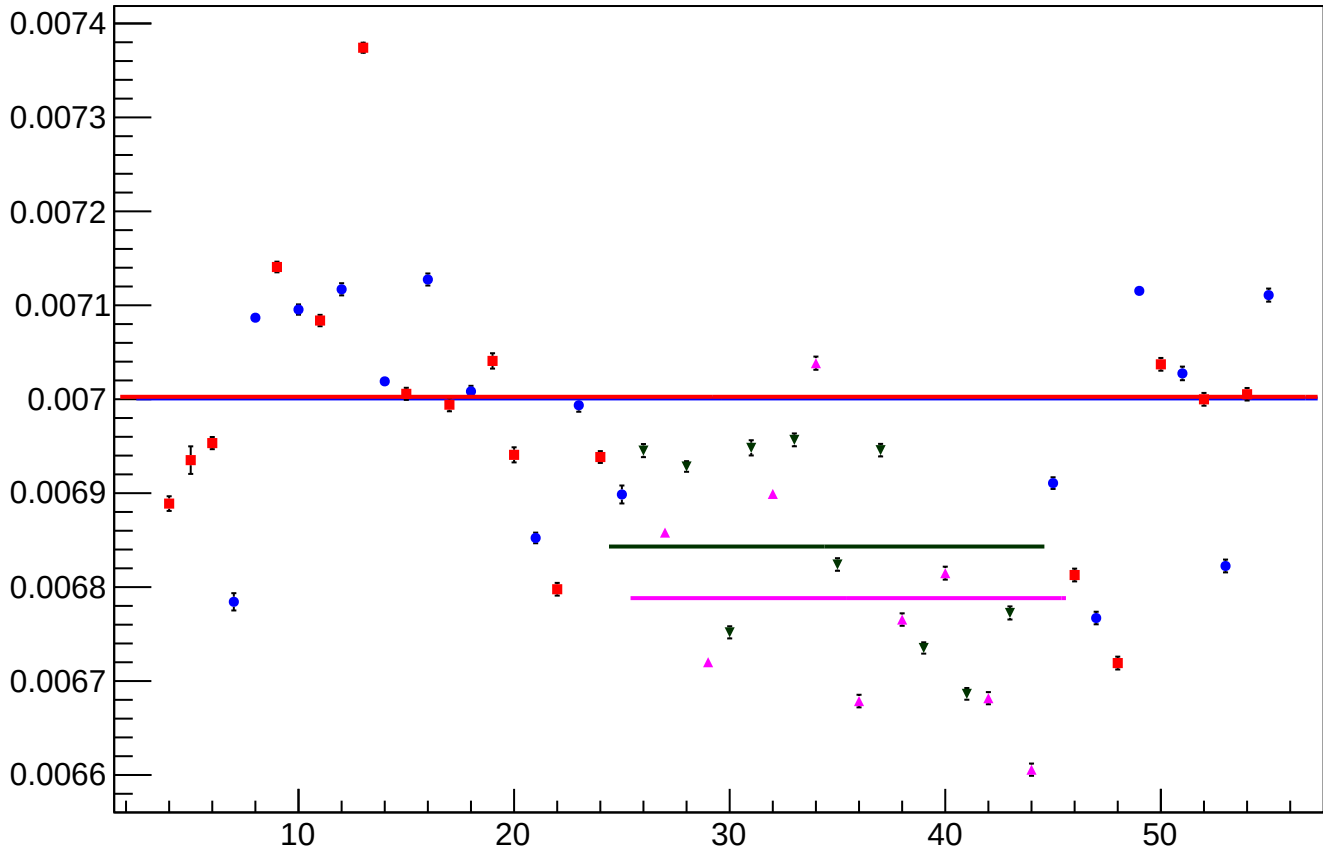
379.037 $\pm$ 0.000 χ^2 /NDF: 36815814.4/25

Right Out: 379.042 $\pm$ 0.000 χ^2 /NDF: 46085754.9/16

379.039 $\pm$ 0.000 χ^2 /NDF: 50390563.6/25

Left In: 379.036 $\pm$ 0.000 χ^2 /NDF:1460266.1/8

yield_cav4dQ_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 5471.5/15

Left Out: 0.007+/-0.000 χ^2/NDF : 2379.4/9

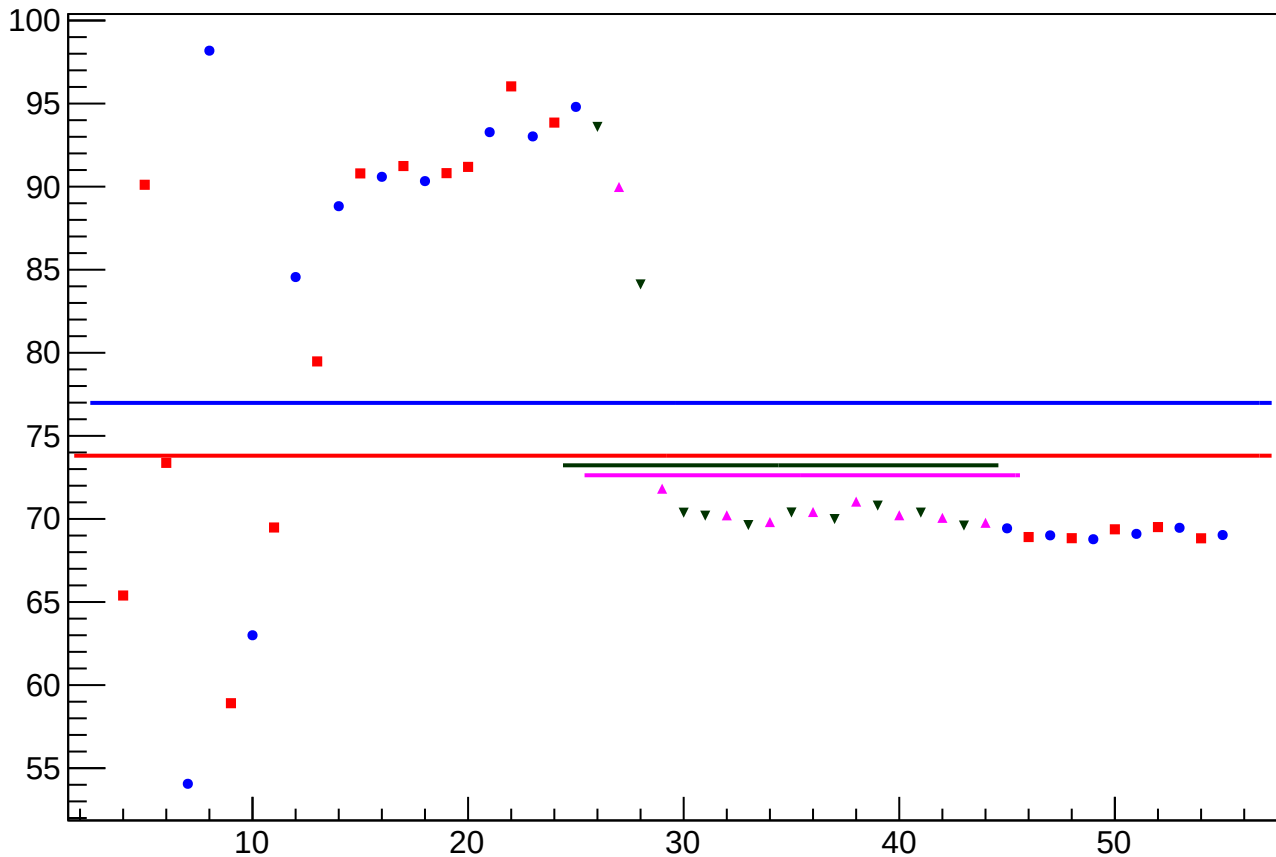
Right Out: 0.007+/-0.000 χ^2/NDF : 9440.6/16

Left In: 0.007+/-0.000 χ^2/NDF : 3429.2/8

0.007+/-0.000 χ^2/NDF : 11507.2/25

0.007+/-0.000 χ^2/NDF : 19626.4/25

yield_bcm0l02_mean vs slug



Right In: 76.985+/-0.000 χ^2/NDF : 20040243735.9/15

Left Out: 73.228+/-0.000 χ^2/NDF : 3731942896.0/9

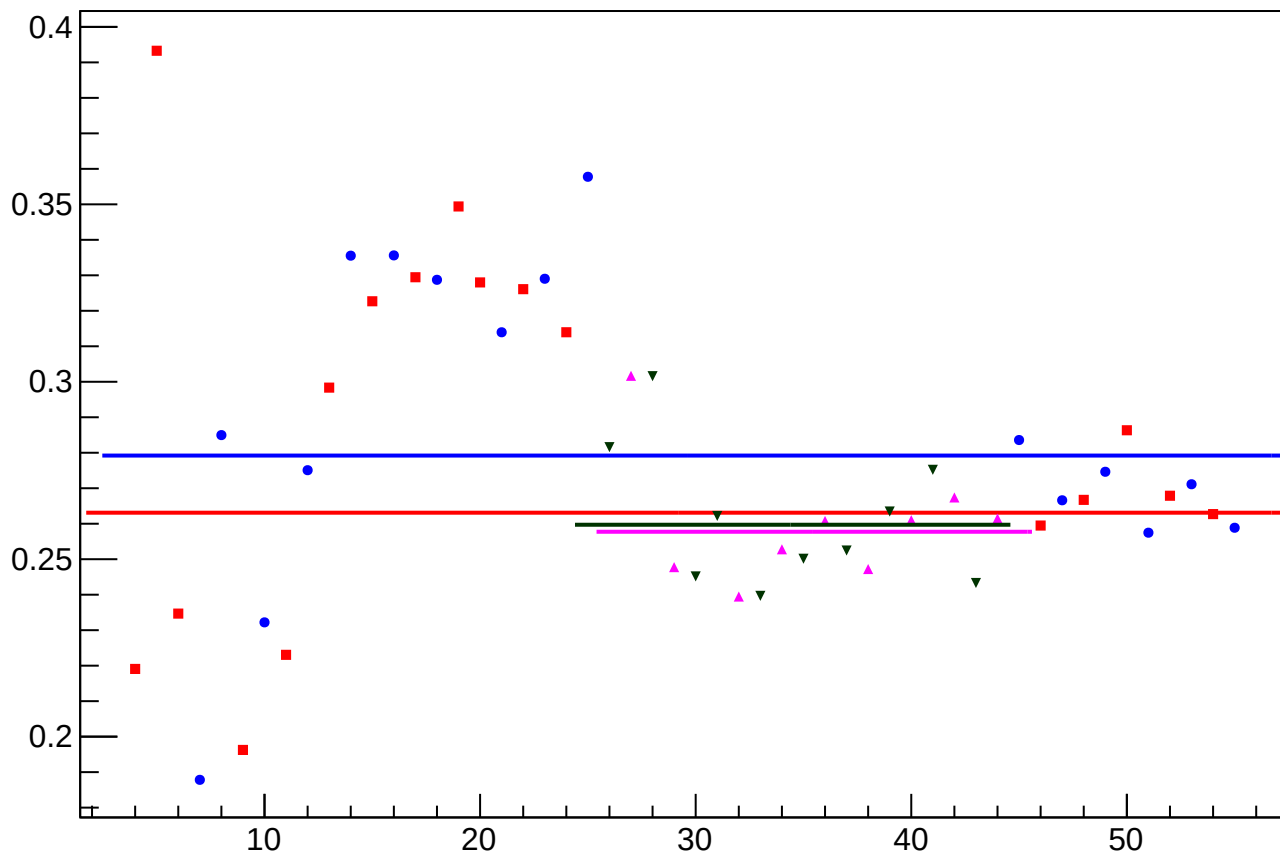
Right Out: 73.807+/-0.000 χ^2/NDF : 14574175659.8/16

Left In: 72.628+/-0.000 χ^2/NDF : 2928852368.6/8

75.524+/-0.000 χ^2/NDF : 24403304553.9/25

73.322+/-0.000 χ^2/NDF : 17567665450.2/25

yield_bcm0l02_rms vs slug



Right In: 0.279+/-0.000 χ^2/NDF : 366467.8/15

Left Out: 0.260+/-0.000 χ^2/NDF : 47918.7/9

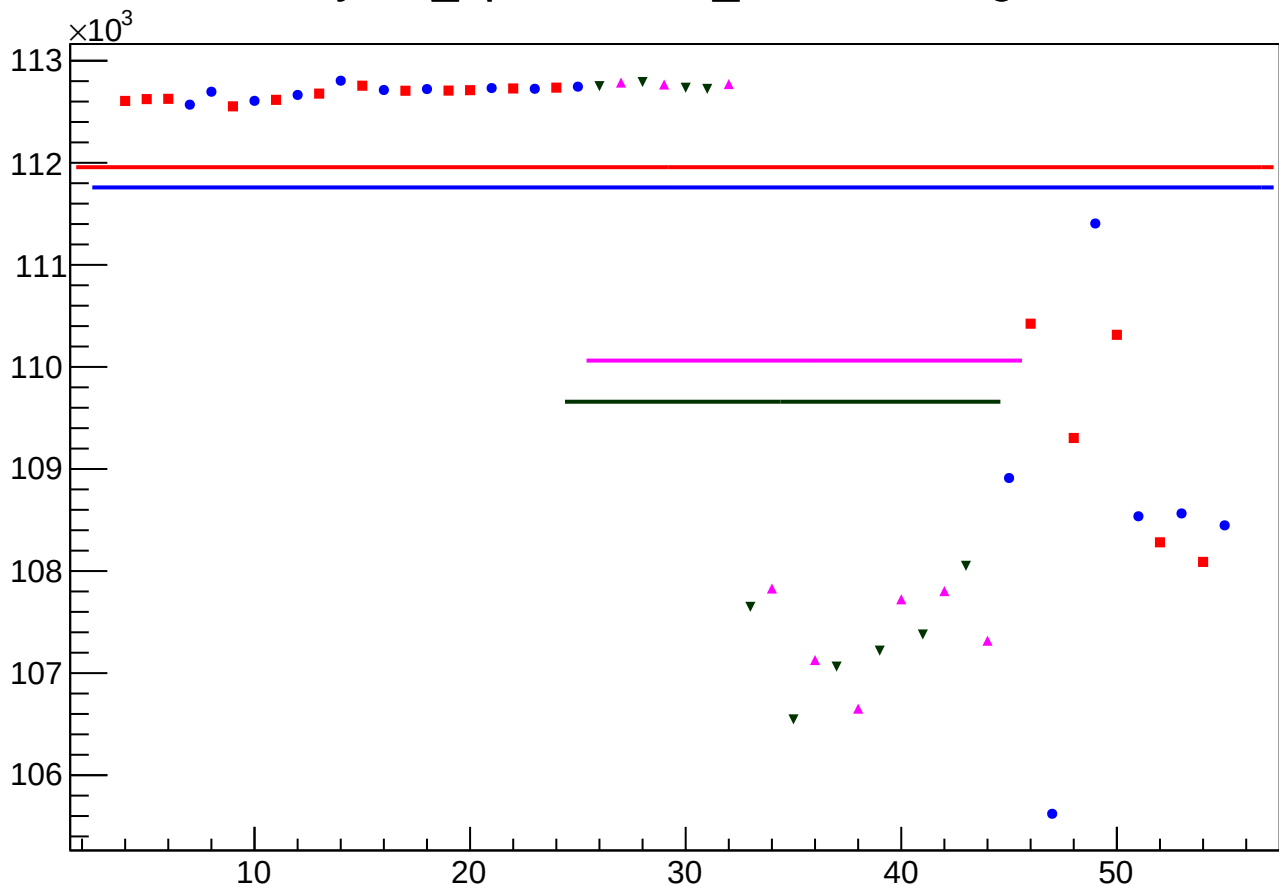
Right Out: 0.263+/-0.000 χ^2/NDF : 489769.9/16

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

0.272+/-0.000 χ^2/NDF : 448373.2/25

0.261+/-0.000 χ^2/NDF : 541620.9/25

yield_bpm2i01WS_mean vs slug



Right In: 111758.733 $\pm$ 0.037 χ^2 /NDF: 2537027957.9/15

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

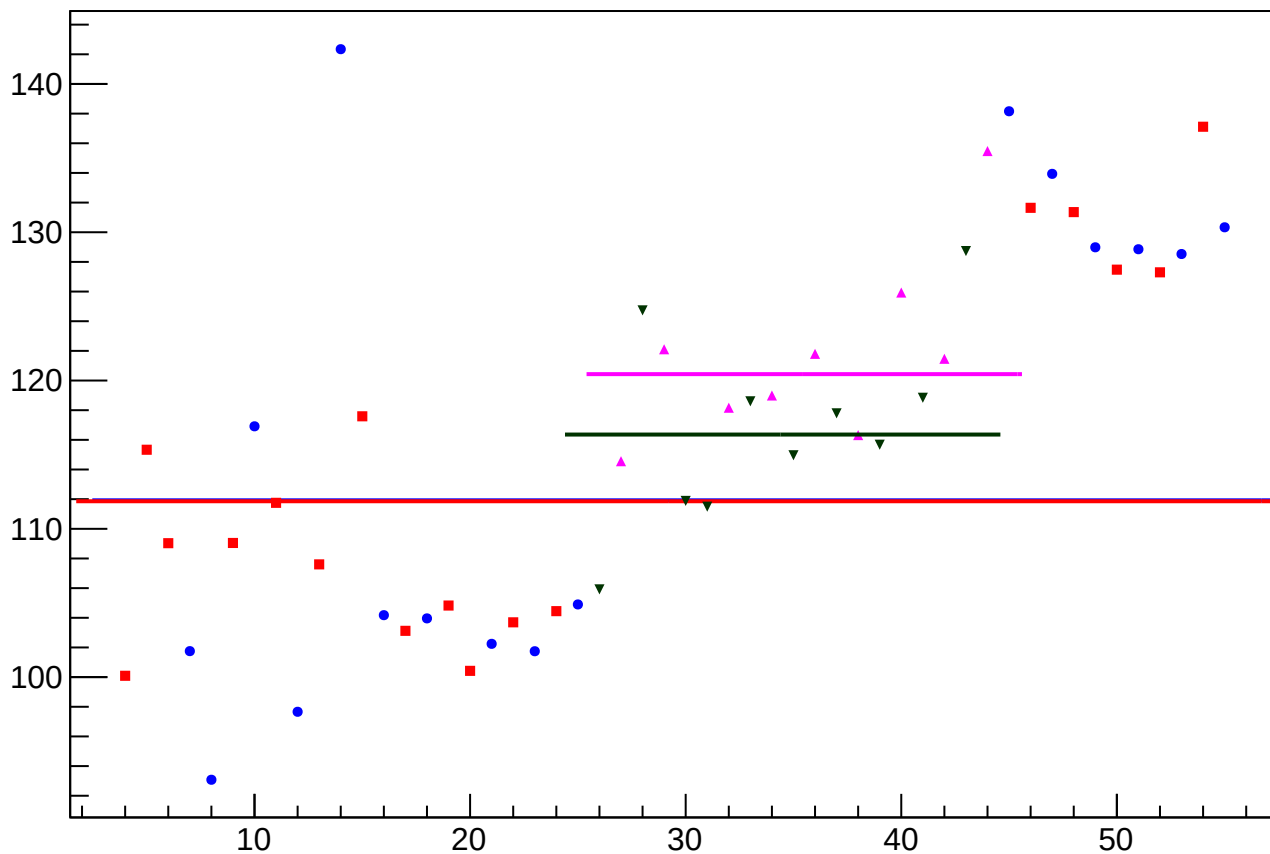
Right Out: 111957.132 $\pm$ 0.039 χ^2 /NDF: 1448149518.0/16

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

111075.771 $\pm$ 0.030 χ^2 /NDF: 6289768809.2/25

111302.320 $\pm$ 0.031 χ^2 /NDF: 4865948593.6/25

yield_bpm2i01WS_rms vs slug



Right In: 111.922 ± 0.026 χ^2/NDF : 375993.4/15

Left Out: 116.357 ± 0.037 χ^2/NDF : 26817.0/9

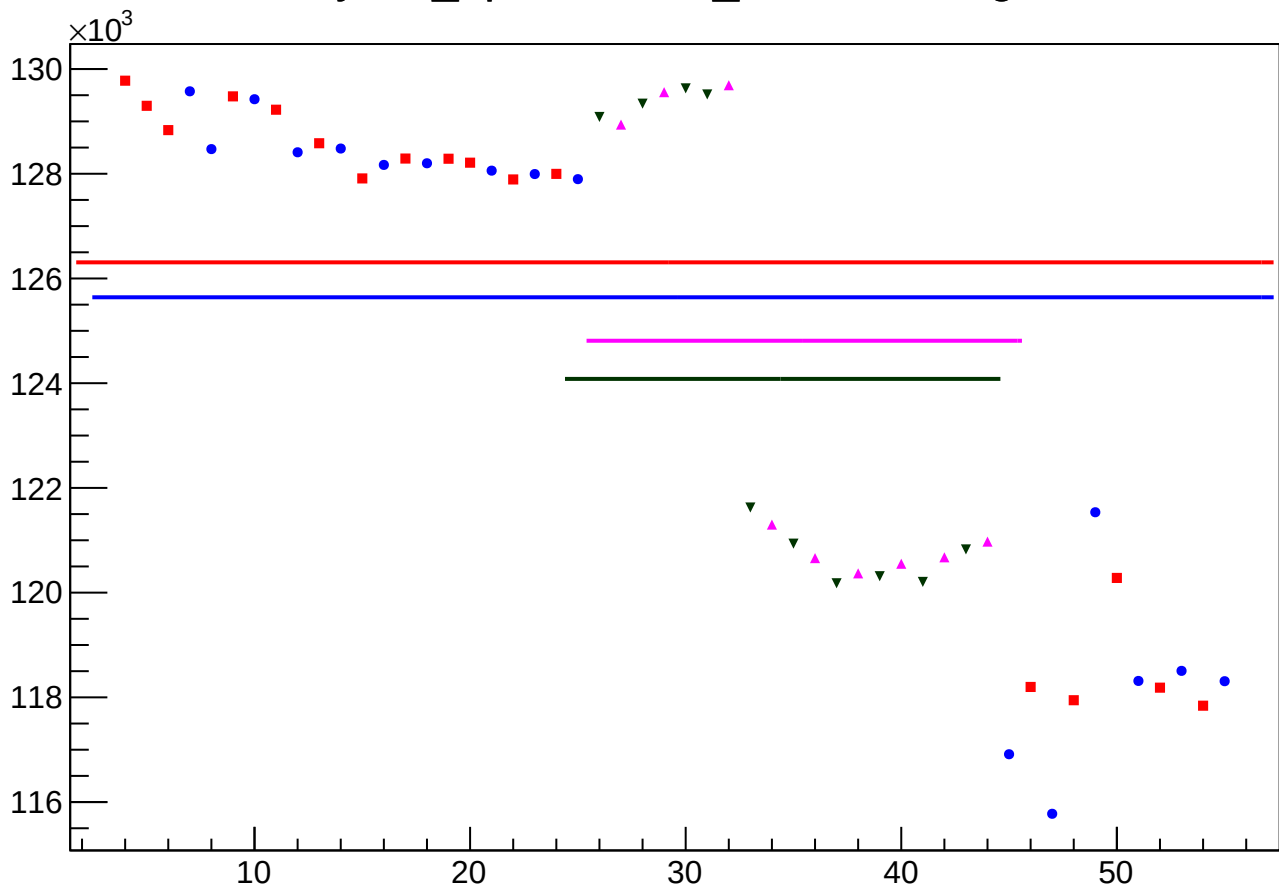
113.365 ± 0.021 χ^2/NDF : 412323.6/25

Right Out: 111.860 ± 0.027 χ^2/NDF : 149244.7/16

114.822 ± 0.022 χ^2/NDF : 202058.1/25

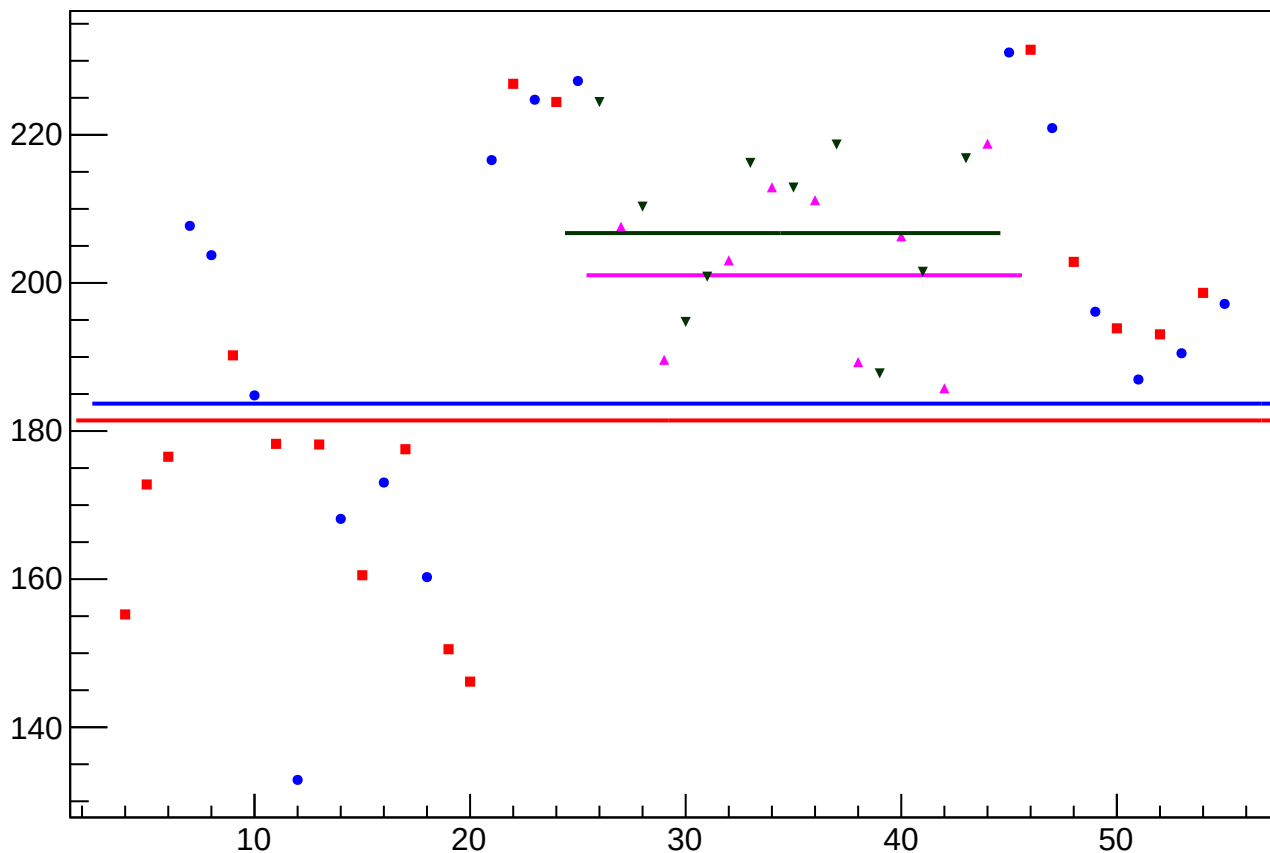
Left In: 120.432 ± 0.038 χ^2/NDF : 18918.6/8

yield_bpm0i07WS_mean vs slug



Right In: 125640.745 $\pm$ 0.060	χ^2 /NDF: 5803896889.6/15		
Left Out: 124081.986 $\pm$ 0.090	χ^2 /NDF: 2292578151.5/9	125165.621 $\pm$ 0.050	χ^2 /NDF: 8304749174.7/25
Right Out: 126307.947 $\pm$ 0.062	χ^2 /NDF: 4762091598.8/16		
Left In: 124810.637 $\pm$ 0.085	χ^2 /NDF: 2608172131.0/8	125784.750 $\pm$ 0.050	χ^2 /NDF: 7571762912.0/25

yield_bpm0i07WS_rms vs slug



Right In: 183.702 ± 0.042 χ^2/NDF : 420910.1/15

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

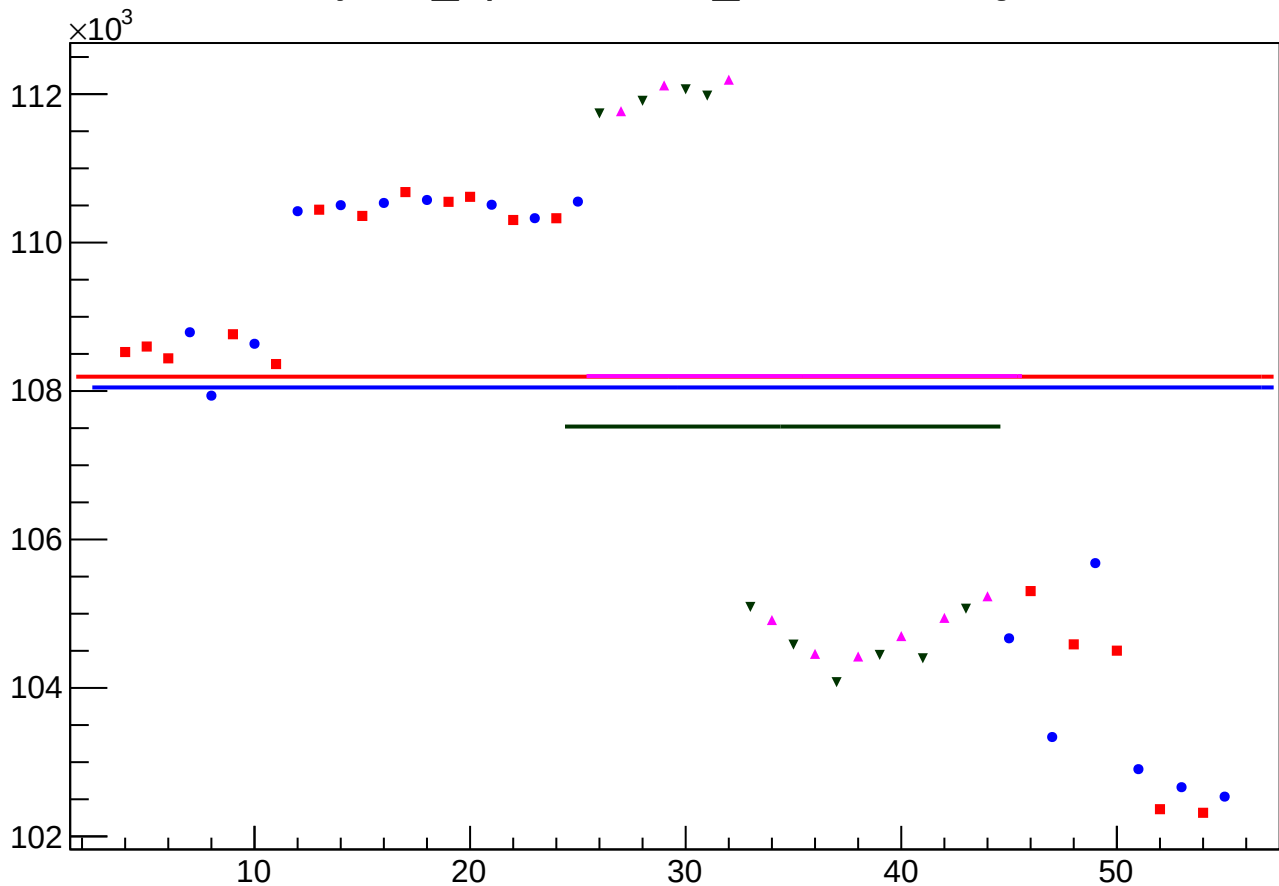
Right Out: 181.430 ± 0.044 χ^2/NDF : 259687.2/16

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

190.722 ± 0.035 χ^2/NDF : 544460.7/25

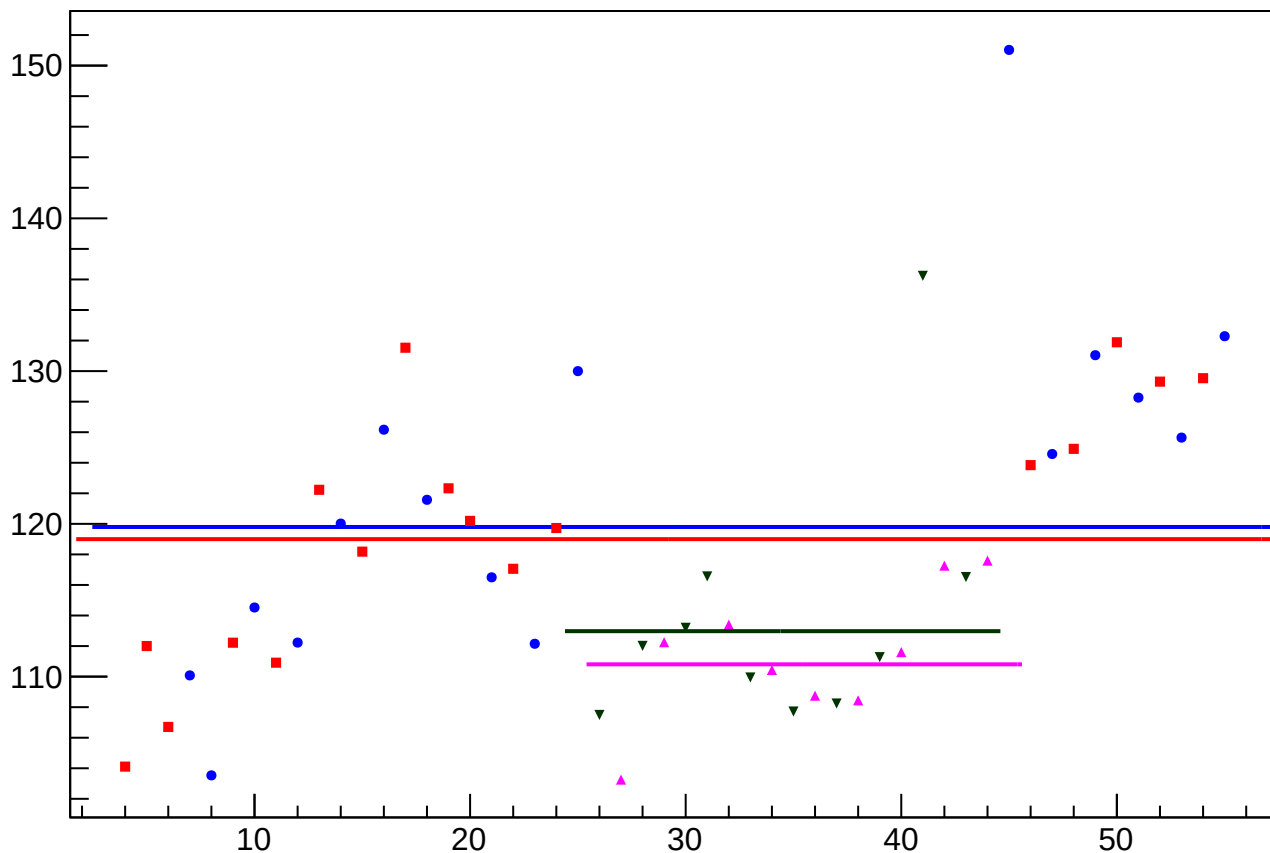
188.282 ± 0.036 χ^2/NDF : 360425.3/25

yield_bpm0l01WS_mean vs slug



Right In: 108048.457 $\pm$ 0.039	χ^2/NDF : 5627384149.1/15	107848.359 $\pm$ 0.030	χ^2/NDF : 11019148411.4/2
Left Out: 107521.561 $\pm$ 0.049	χ^2/NDF : 5321162353.6/9		
Right Out: 108193.412 $\pm$ 0.041	χ^2/NDF : 4494808600.0/16	108196.987 $\pm$ 0.031	χ^2/NDF : 10479676191.4/2
Left In: 108201.722 $\pm$ 0.047	χ^2/NDF : 5984849706.8/8		

yield_bpm0l01WS_rms vs slug



Right In: 119.796 ± 0.027 χ^2/NDF : 143608.7/15

Left Out: 112.975 ± 0.035 χ^2/NDF : 42849.8/9

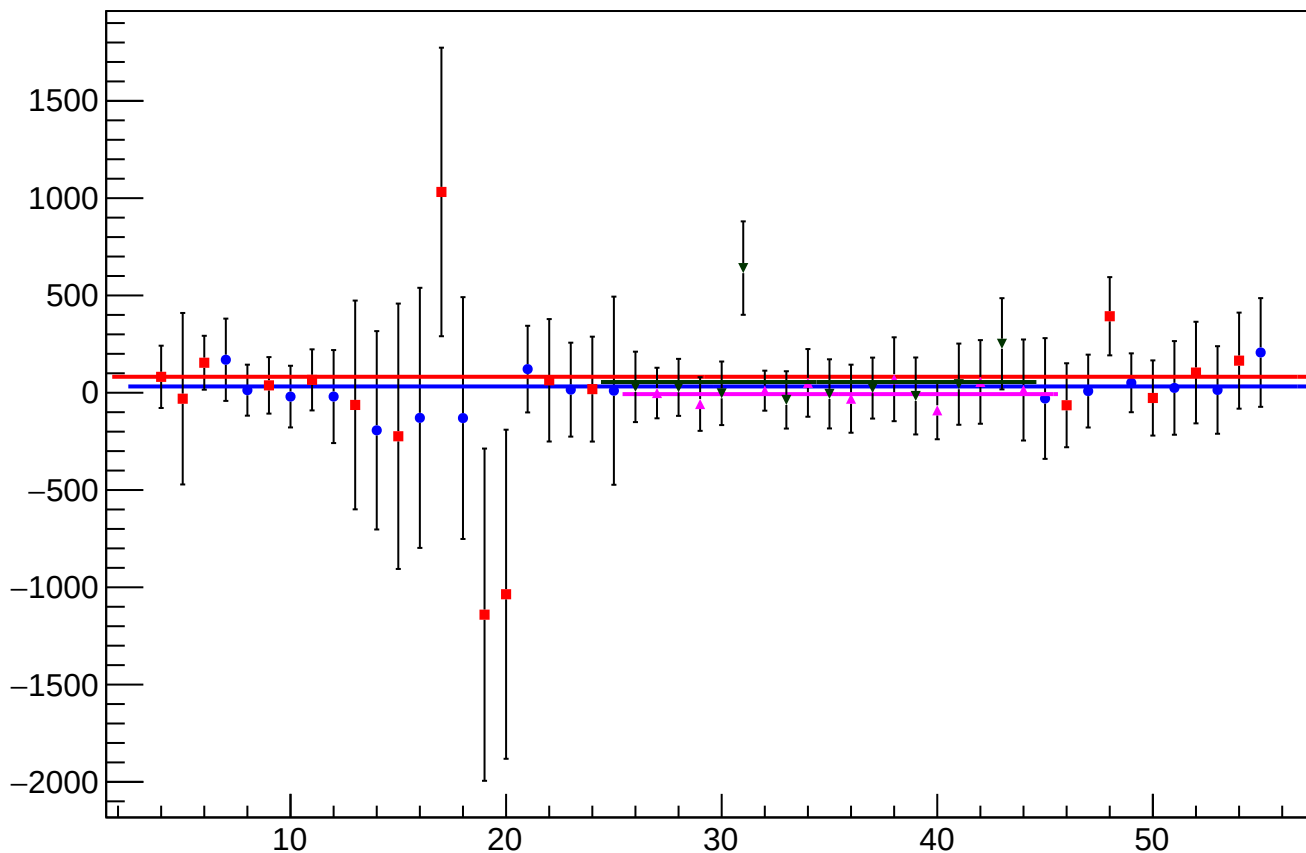
Right Out: 119.000 ± 0.029 χ^2/NDF : 78452.9/16

Left In: 110.804 ± 0.033 χ^2/NDF : 17542.1/8

117.206 ± 0.022 χ^2/NDF : 210118.1/25

115.475 ± 0.022 χ^2/NDF : 130787.3/25

asym_bcm_an_ds_mean vs slug



Right In: 32.289+/-55.847 χ^2/NDF : 1.6/15

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

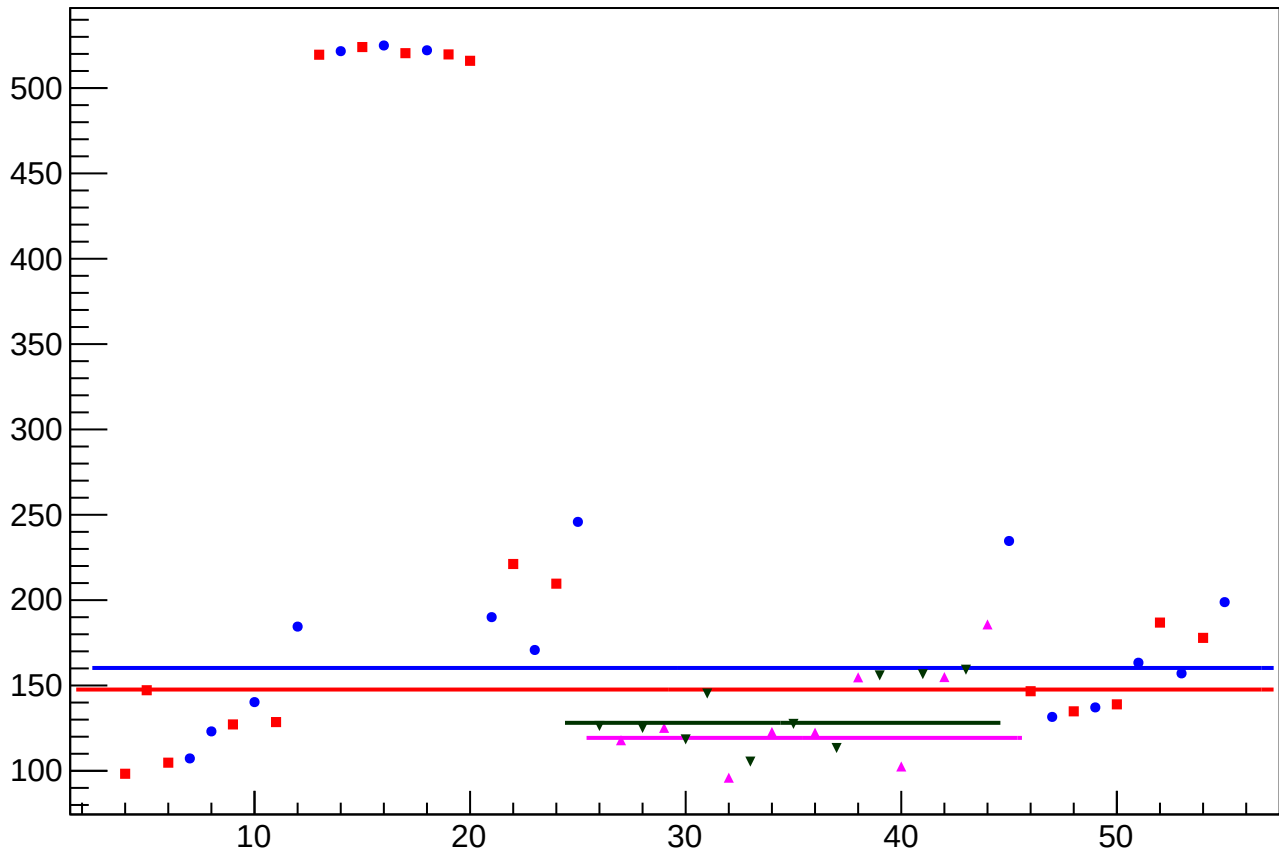
Right Out: 82.067+/-55.688 χ^2/NDF : 9.5/16

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

43.610+/-39.597 χ^2/NDF : 9.1/25

34.115+/-37.854 χ^2/NDF : 11.7/25

asym_bcm_an_ds_rms vs slug



Right In: 160.265 ± 0.039 χ^2/NDF : 2966909.9/15

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

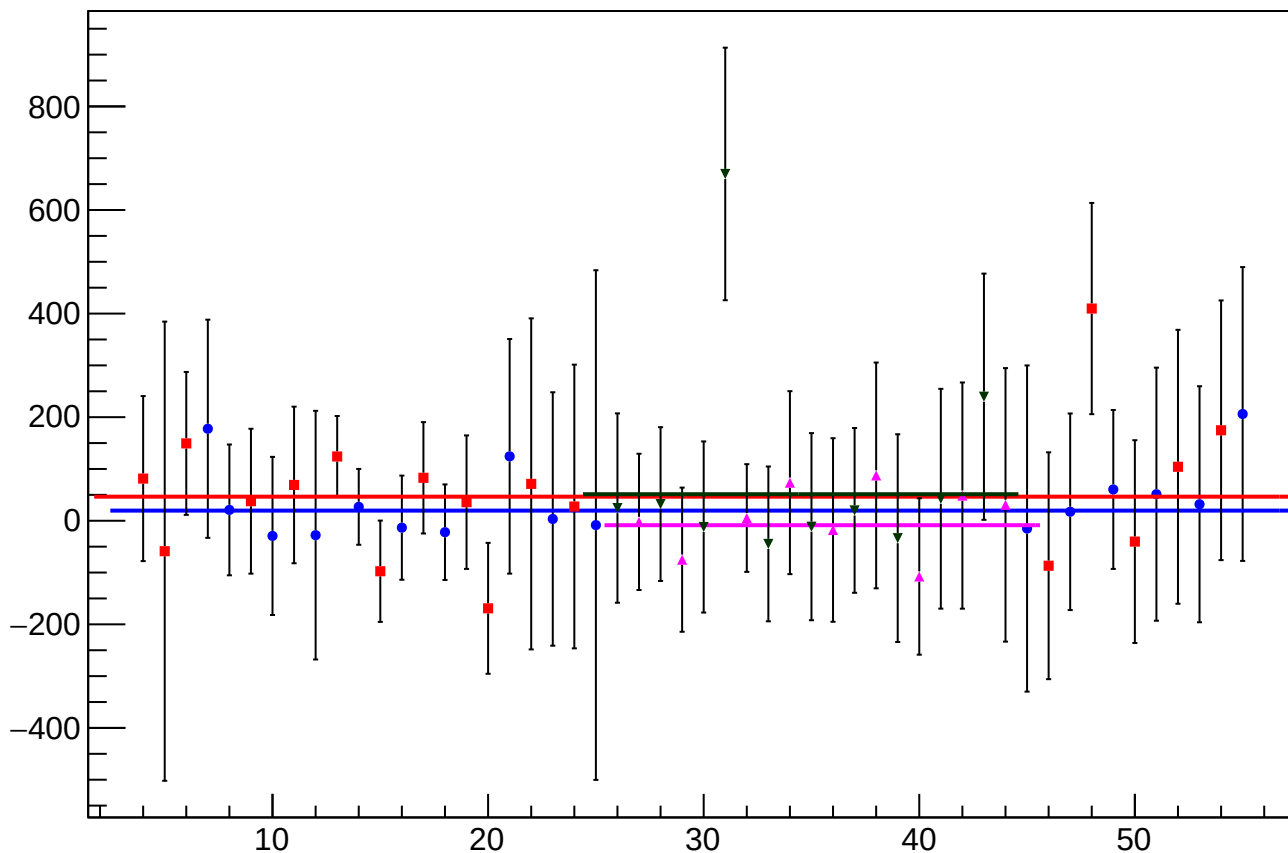
144.282 ± 0.028 χ^2/NDF : 3492070.3/25

Right Out: 147.623 ± 0.039 χ^2/NDF : 3588059.3/16

132.390 ± 0.027 χ^2/NDF : 4240029.3/25

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

asym_bcm_an_ds3_mean vs slug



Right In: 19.587 $\pm$ 37.329 χ^2 /NDF: 1.8/15

Left Out: 51.240 $\pm$ 56.939 χ^2 /NDF: 8.0/9

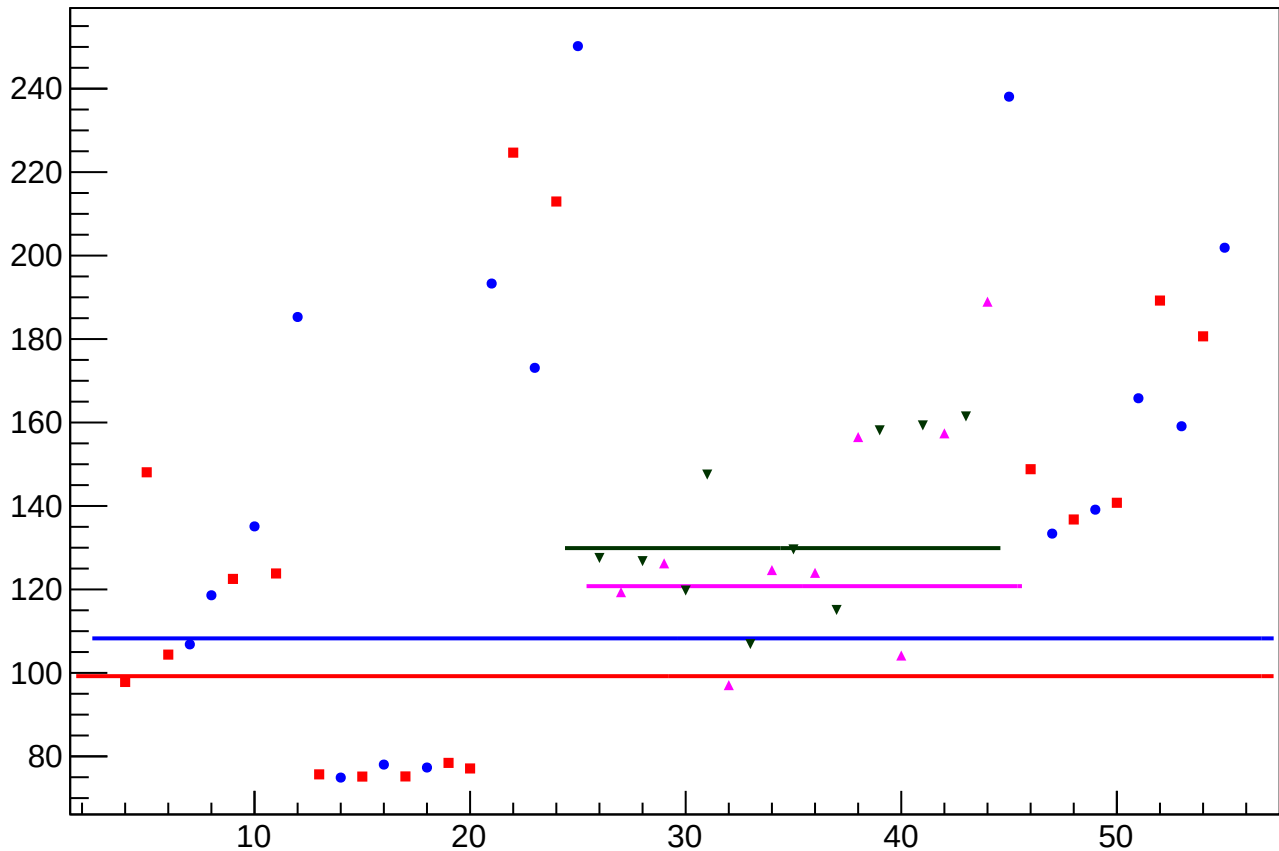
Right Out: 46.500 $\pm$ 35.496 χ^2 /NDF: 10.9/16

Left In: -8.590 $\pm$ 52.268 χ^2 /NDF: 1.2/8

29.102 $\pm$ 31.218 χ^2 /NDF: 10.0/25

29.112 $\pm$ 29.364 χ^2 /NDF: 12.9/25

asym_bcm_an_ds3_rms vs slug



Right In: 108.272+/-0.026 χ^2/NDF : 2575039.3/15

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

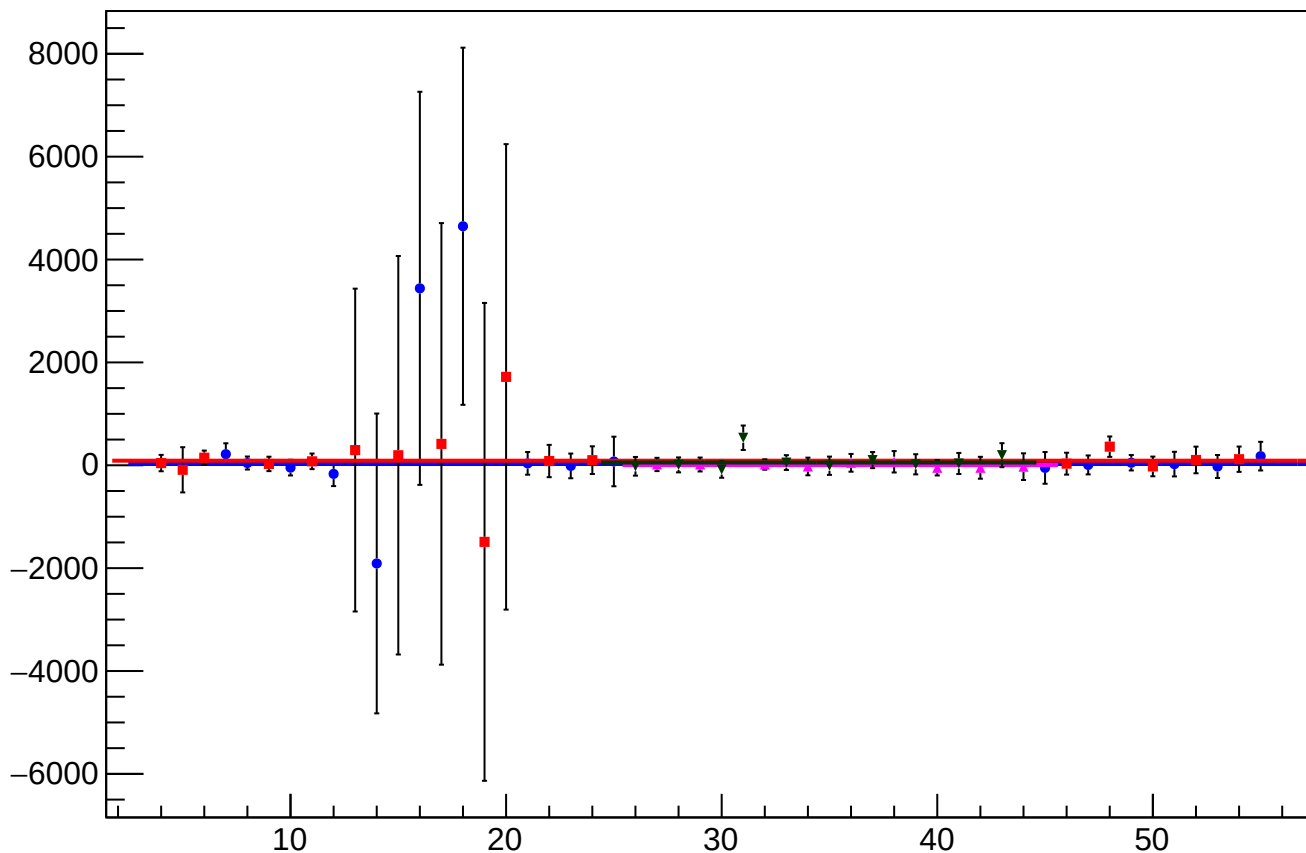
Right Out: 99.219+/-0.025 χ^2/NDF : 2007476.2/16

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

114.774+/-0.022 χ^2/NDF : 2974104.0/25

106.026+/-0.021 χ^2/NDF : 2617010.4/25

asym_bcm_an_us_mean vs slug



Right In: 24.790 $\pm$ 55.663 χ^2 /NDF: 5.2/15

Left Out: 53.832 $\pm$ 55.648 χ^2 /NDF: 5.7/9

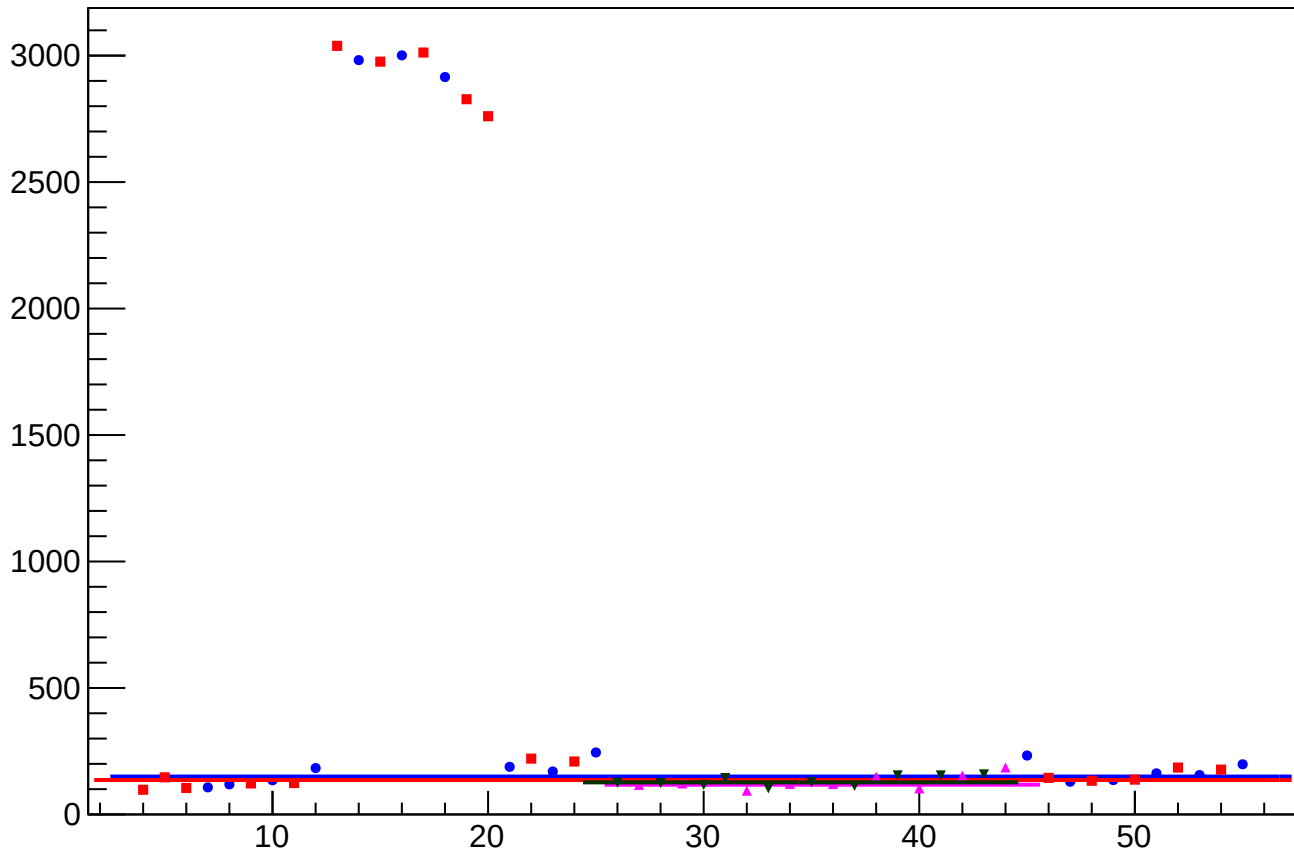
Right Out: 89.080 $\pm$ 55.749 χ^2 /NDF: 3.2/16

Left In: 5.189 $\pm$ 50.929 χ^2 /NDF: 0.4/8

39.315 $\pm$ 39.355 χ^2 /NDF: 11.0/25

43.352 $\pm$ 37.601 χ^2 /NDF: 4.9/25

asym_bcm_an_us_rms vs slug



Right In: 149.842 $\pm$ 0.039 χ^2 /NDF: 4937702.1/15

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

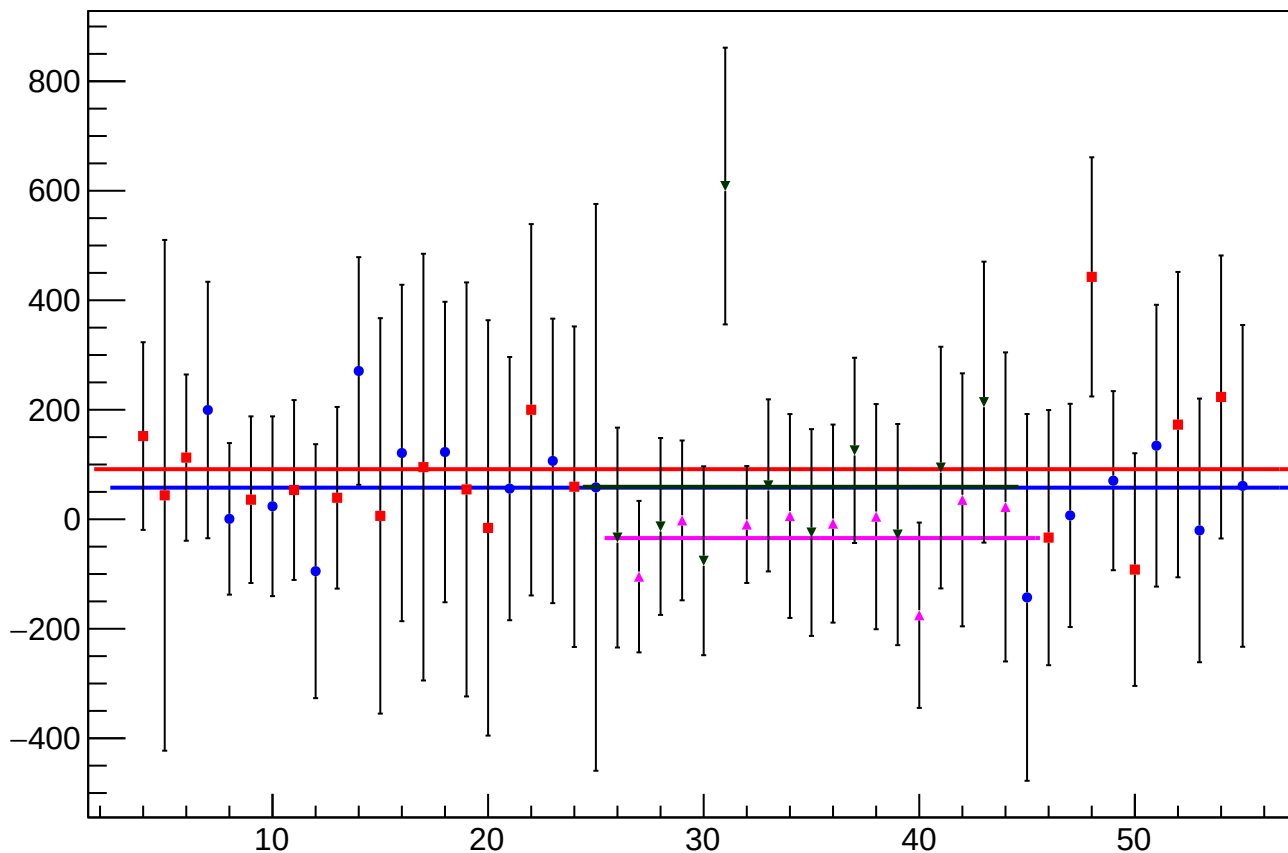
138.348 $\pm$ 0.028 χ^2 /NDF: 5309394.6/25

Right Out: 136.192 $\pm$ 0.039 χ^2 /NDF: 5704054.4/16

126.117 $\pm$ 0.027 χ^2 /NDF: 6198818.6/25

Left In: 117.710 $\pm$ 0.036 χ^2 /NDF: 374948.7/8

asym_bcm_dg_us_mean vs slug



Right In: 57.716+/-55.621 χ^2/NDF : 2.8/15

Left Out: 59.318+/-60.188 χ^2/NDF : 6.7/9

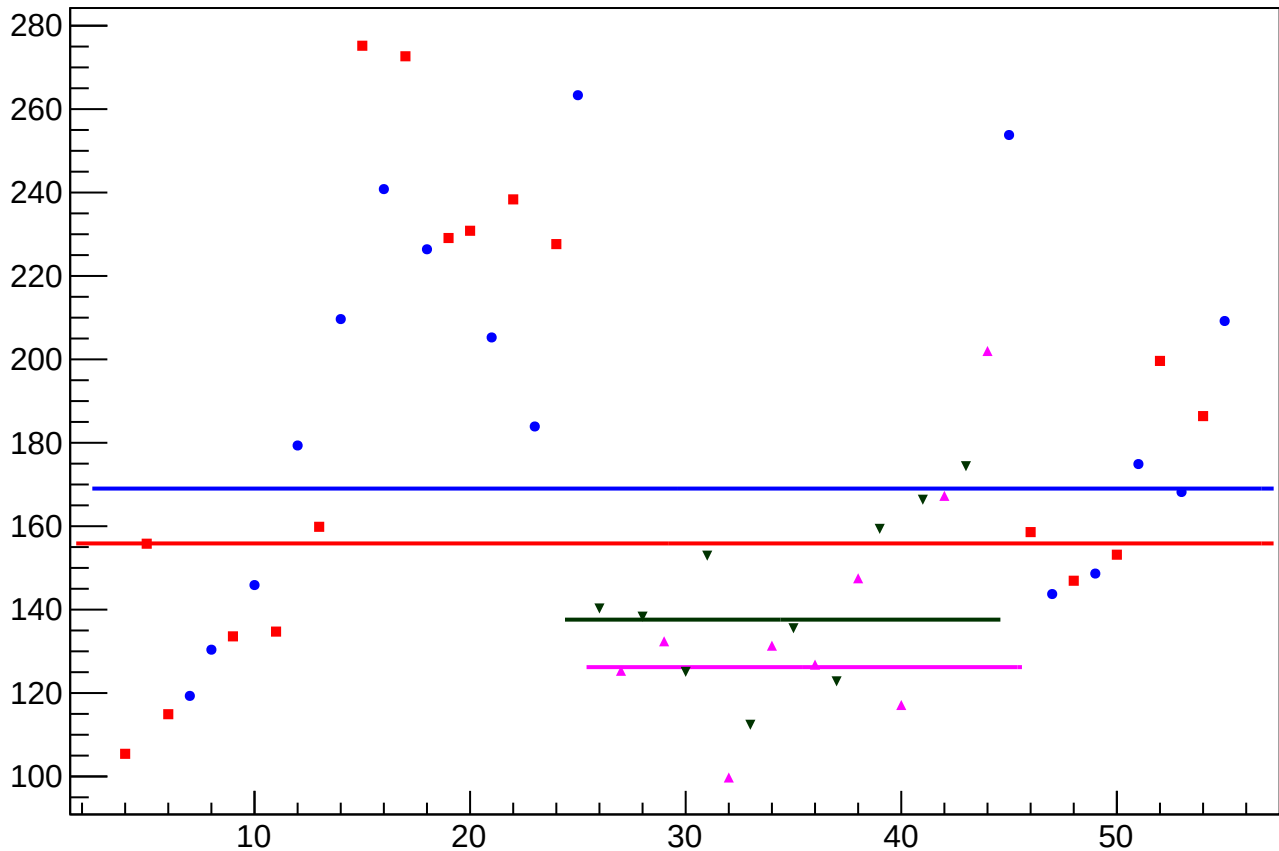
Right Out: 91.482+/-54.513 χ^2/NDF : 4.7/16

Left In: -34.328+/-54.542 χ^2/NDF : 1.3/8

58.454+/-40.849 χ^2/NDF : 9.5/25

28.611+/-38.557 χ^2/NDF : 8.6/25

asym_bcm_dg_us_rms vs slug



Right In: 169.025+/-0.039 χ^2/NDF : 909291.1/15

Left Out: 137.600+/-0.043 χ^2/NDF :183507.0/9

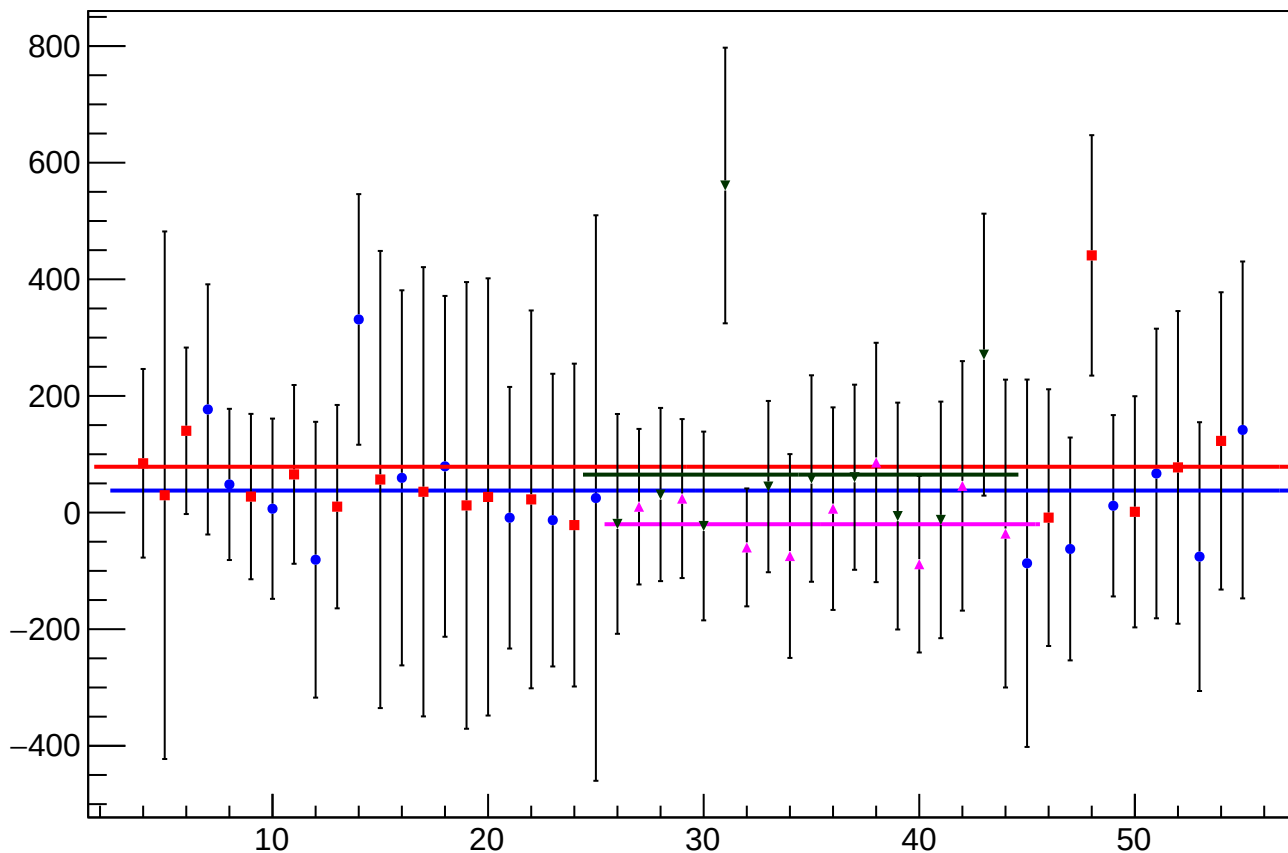
154.550+/-0.029 χ^2/NDF : 1386864.7/25

Right Out: 155.869+/-0.039 χ^2/NDF : 1266606.0/16

141.049+/-0.027 χ^2/NDF : 1925046.9/25

Left In: 126.212+/-0.039 χ^2/NDF :362614.3/8

asym_bcm_dg_ds_mean vs slug



Right In: 37.745 $\pm$ 53.465 χ^2 /NDF: 3.5/15

Left Out: 65.067 $\pm$ 56.313 χ^2 /NDF: 6.0/9

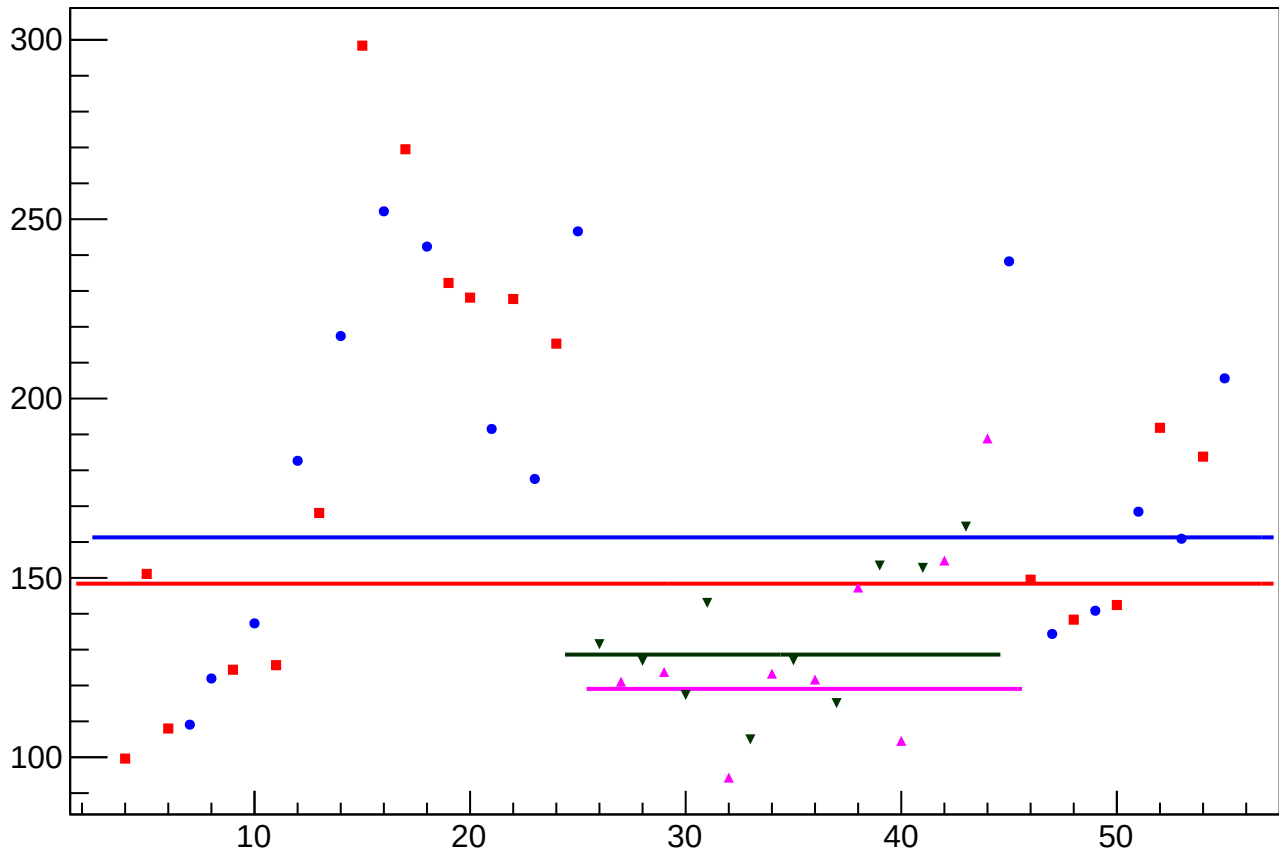
Right Out: 78.570 $\pm$ 52.269 χ^2 /NDF: 4.1/16

Left In: -19.993 $\pm$ 51.483 χ^2 /NDF: 1.0/8

50.698 $\pm$ 38.773 χ^2 /NDF: 9.6/25

28.541 $\pm$ 36.679 χ^2 /NDF: 7.0/25

asym_bcm_dg_ds_rms vs slug



Right In: 161.299+/-0.038 χ^2/NDF : 1166312.6/15

Left Out: 128.616+/-0.040 χ^2/NDF :188850.5/9

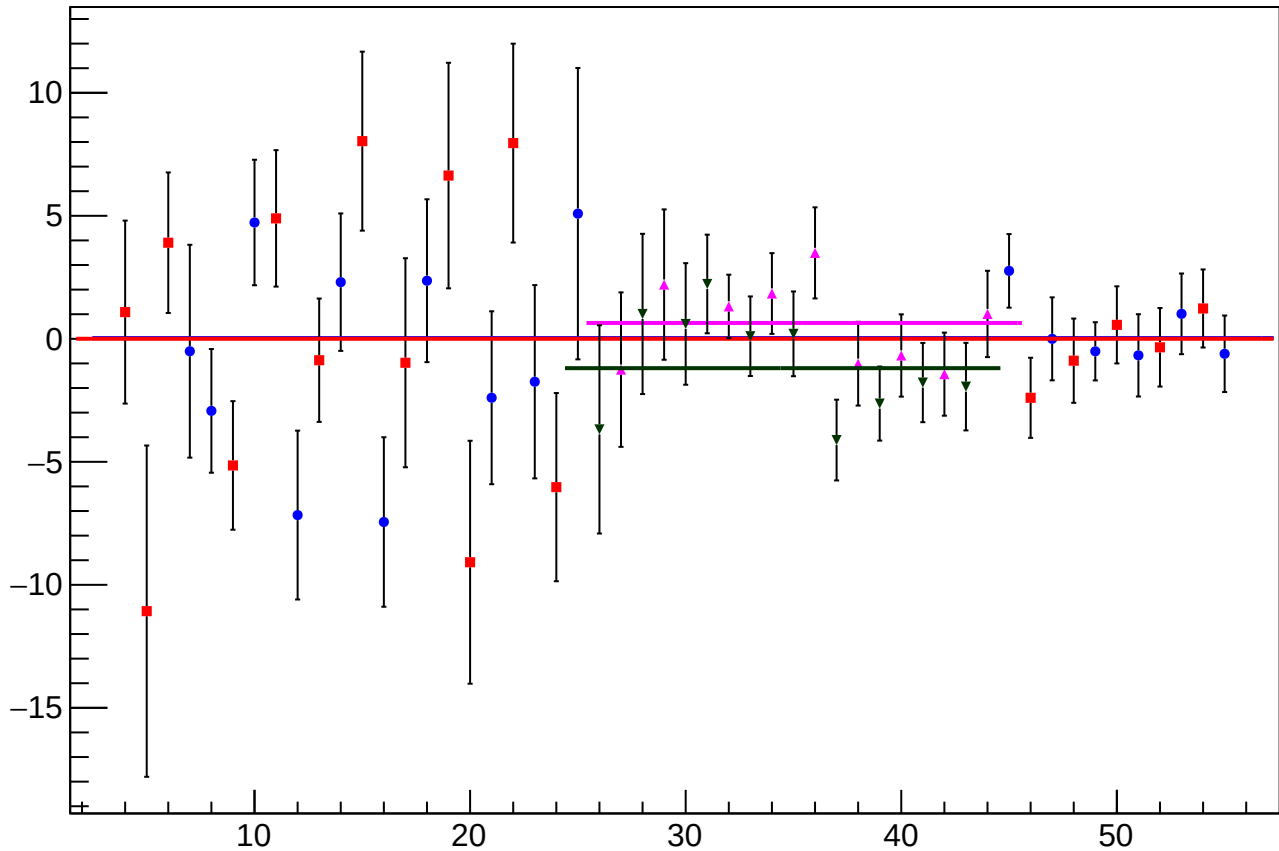
Right Out: 148.392+/-0.037 χ^2/NDF : 1480134.0/16

Left In: 119.054+/-0.036 χ^2/NDF :376220.0/8

145.805+/-0.027 χ^2/NDF : 1709459.2/25

133.501+/-0.026 χ^2/NDF : 2176160.3/25

asym_cav4bQ_mean vs slug



Right In: 0.030 ± 0.528 $\chi^2/\text{NDF}: 20.7/15$

Left Out: -1.193 ± 0.598 $\chi^2/\text{NDF}: 9.9/9$

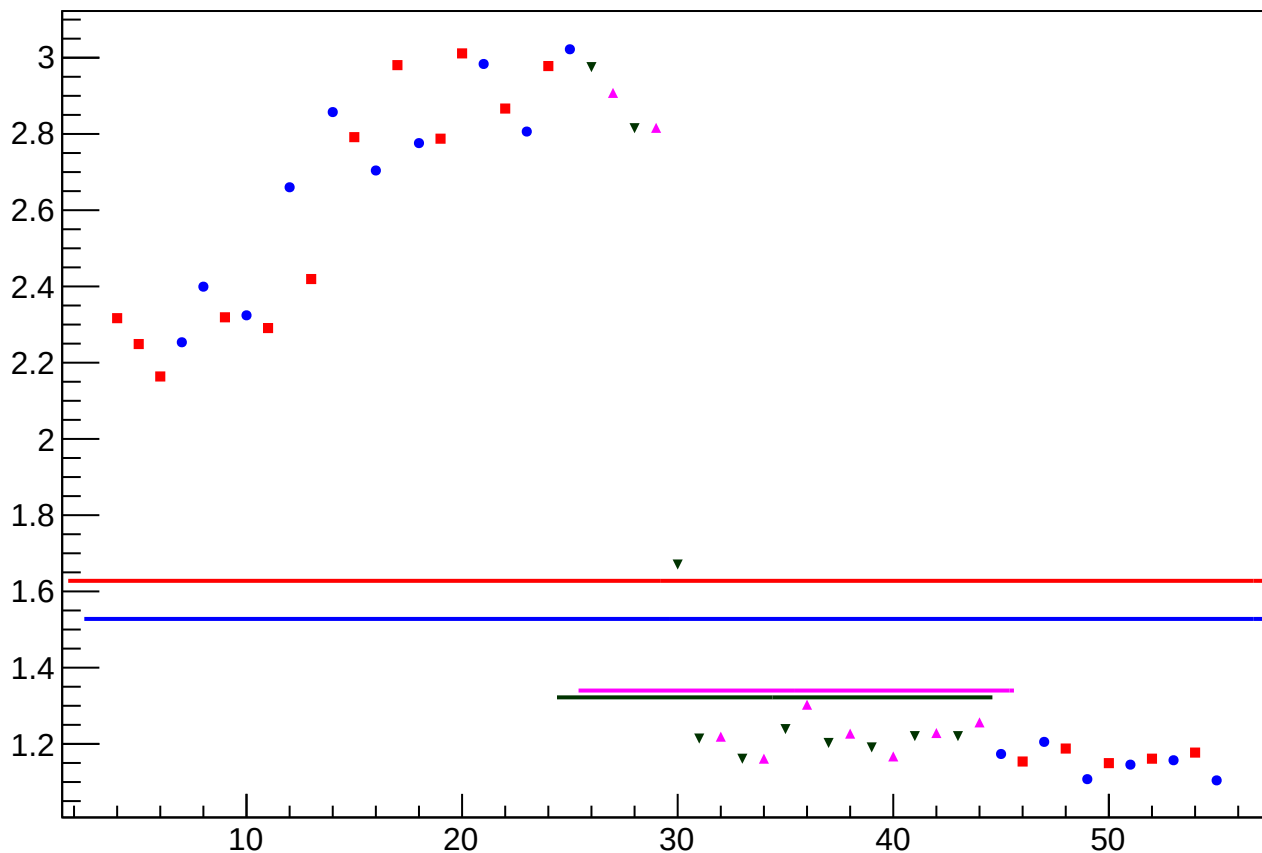
Right Out: 0.002 ± 0.586 $\chi^2/\text{NDF}: 31.8/16$

Left In: 0.645 ± 0.592 $\chi^2/\text{NDF}: 6.9/8$

-0.506 ± 0.396 $\chi^2/\text{NDF}: 33.0/25$

0.320 ± 0.416 $\chi^2/\text{NDF}: 39.3/25$

asym_cav4bQ_rms vs slug



Right In: 1.528+/-0.000 χ^2/NDF : 3155206.3/15

Left Out: 1.322+/-0.000 χ^2/NDF :835682.2/9

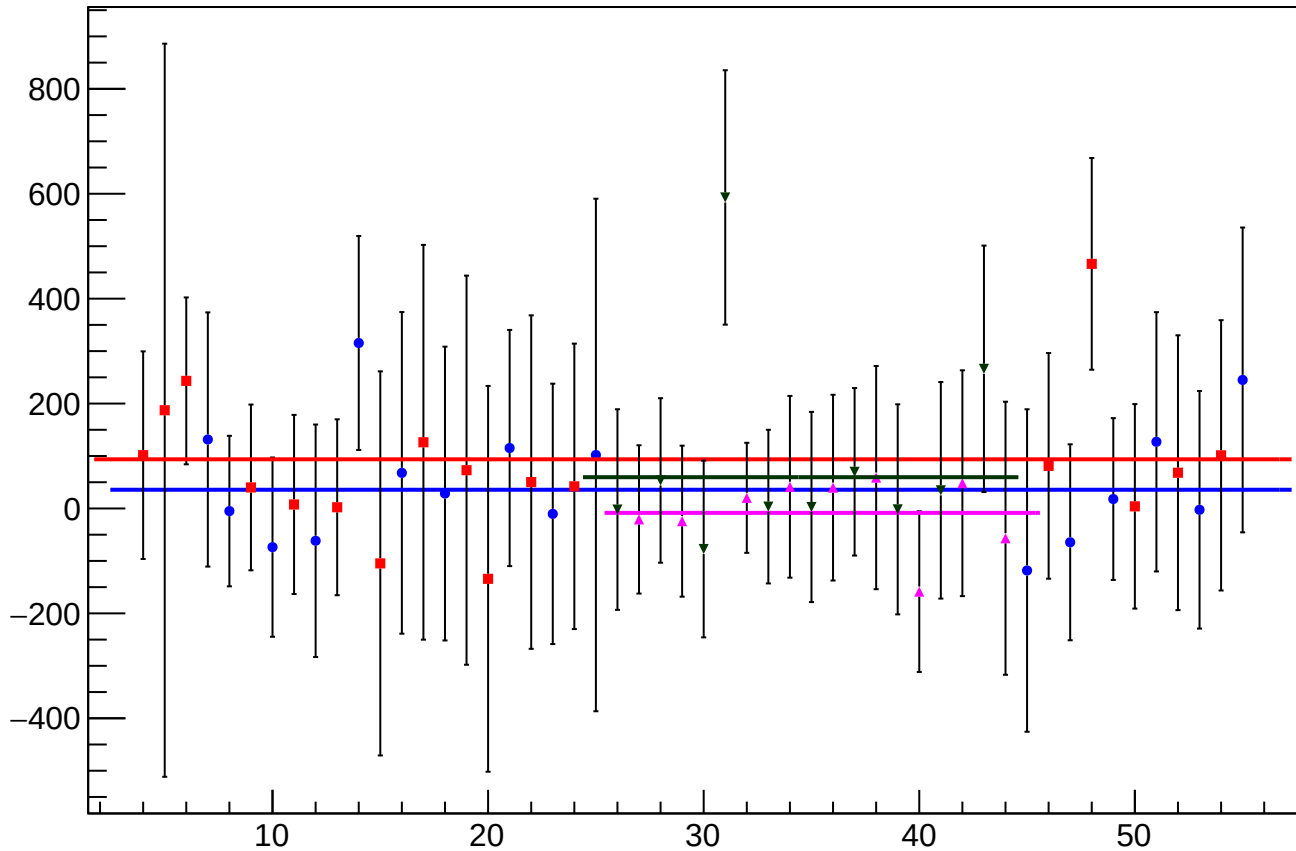
Right Out: 1.628+/-0.000 χ^2/NDF : 2559381.0/16

Left In: 1.340+/-0.000 χ^2/NDF :1050714.6/8

1.438+/-0.000 χ^2/NDF : 4123865.6/25

1.485+/-0.000 χ^2/NDF : 3848957.4/25

asym_cav4cQ_mean vs slug



Right In: 35.671 $\pm$ 54.491 χ^2 /NDF: 4.1/15

Left Out: 59.618 $\pm$ 57.448 χ^2 /NDF: 6.7/9

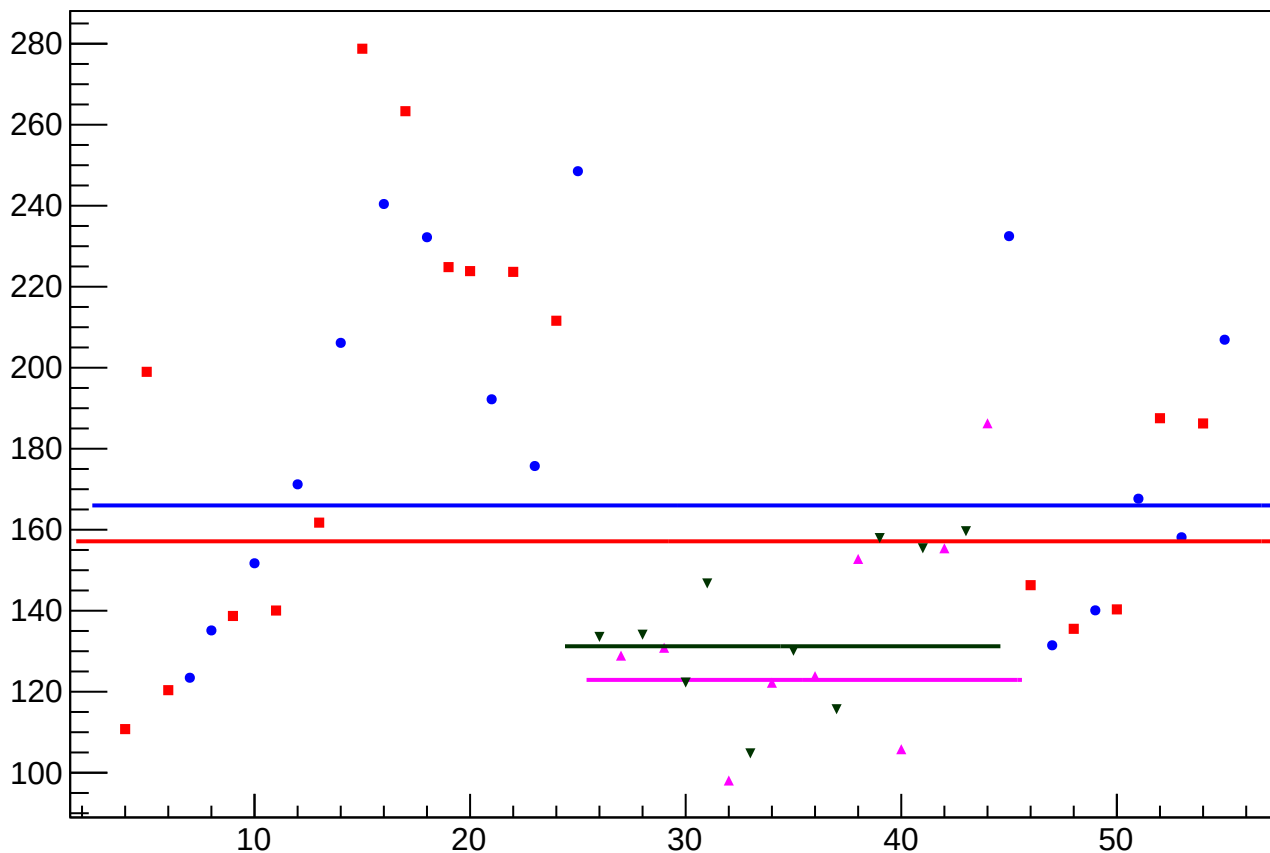
Right Out: 93.712 $\pm$ 54.908 χ^2 /NDF: 5.9/16

Left In: -8.384 $\pm$ 53.045 χ^2 /NDF: 1.4/8

47.012 $\pm$ 39.535 χ^2 /NDF: 11.0/25

40.902 $\pm$ 38.150 χ^2 /NDF: 9.1/25

asym_cav4cQ_rms vs slug



Right In: 165.995 ± 0.039 χ^2/NDF : 824185.8/15

Left Out: 131.224 ± 0.041 χ^2/NDF : 191308.6/9

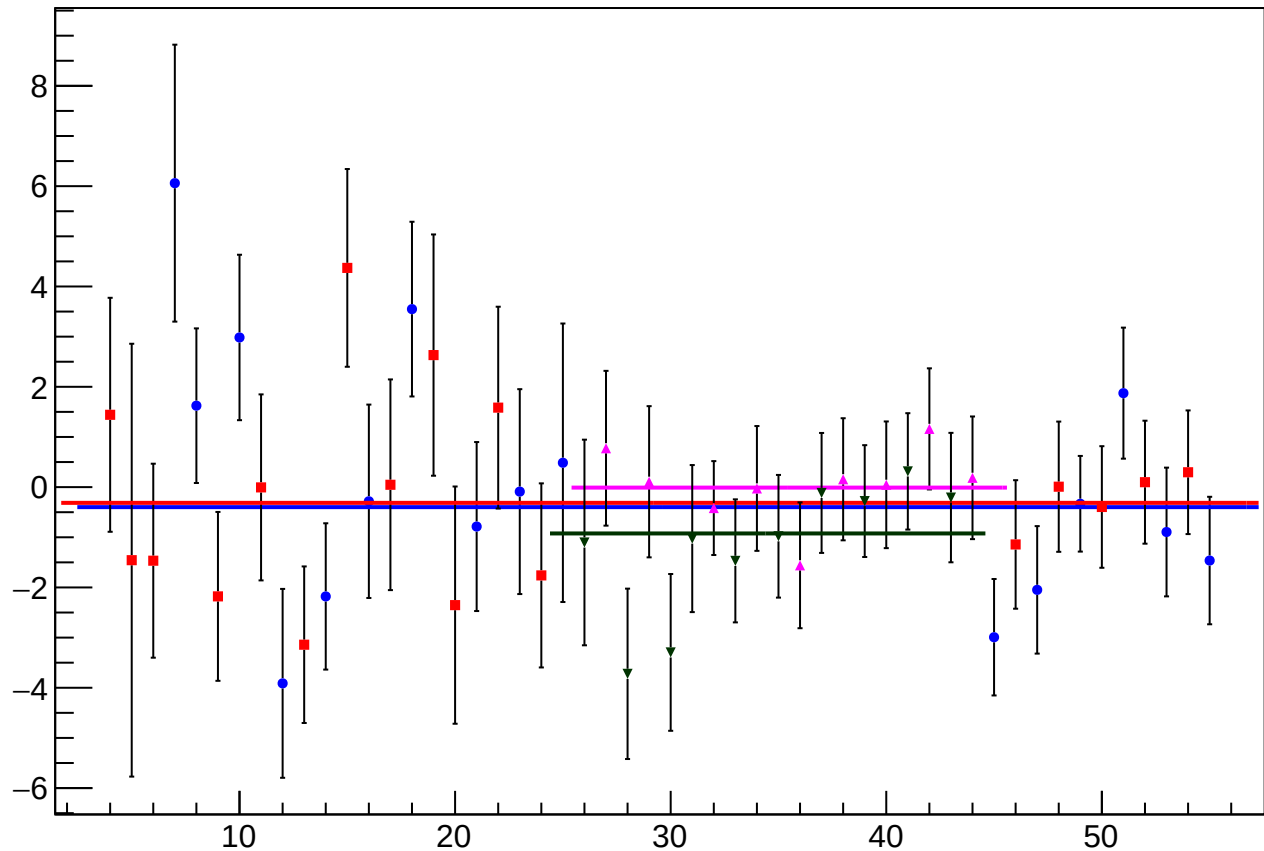
Right Out: 157.138 ± 0.039 χ^2/NDF : 1047884.3/16

Left In: 122.920 ± 0.038 χ^2/NDF : 350338.0/8

149.527 ± 0.028 χ^2/NDF : 1401172.0/25

139.439 ± 0.027 χ^2/NDF : 1799976.0/25

asym_cav4dQ_mean vs slug



Right In: -0.399 ± 0.371 $\chi^2/\text{NDF}: 32.3/15$

Left Out: -0.924 ± 0.421 $\chi^2/\text{NDF}: 7.5/9$

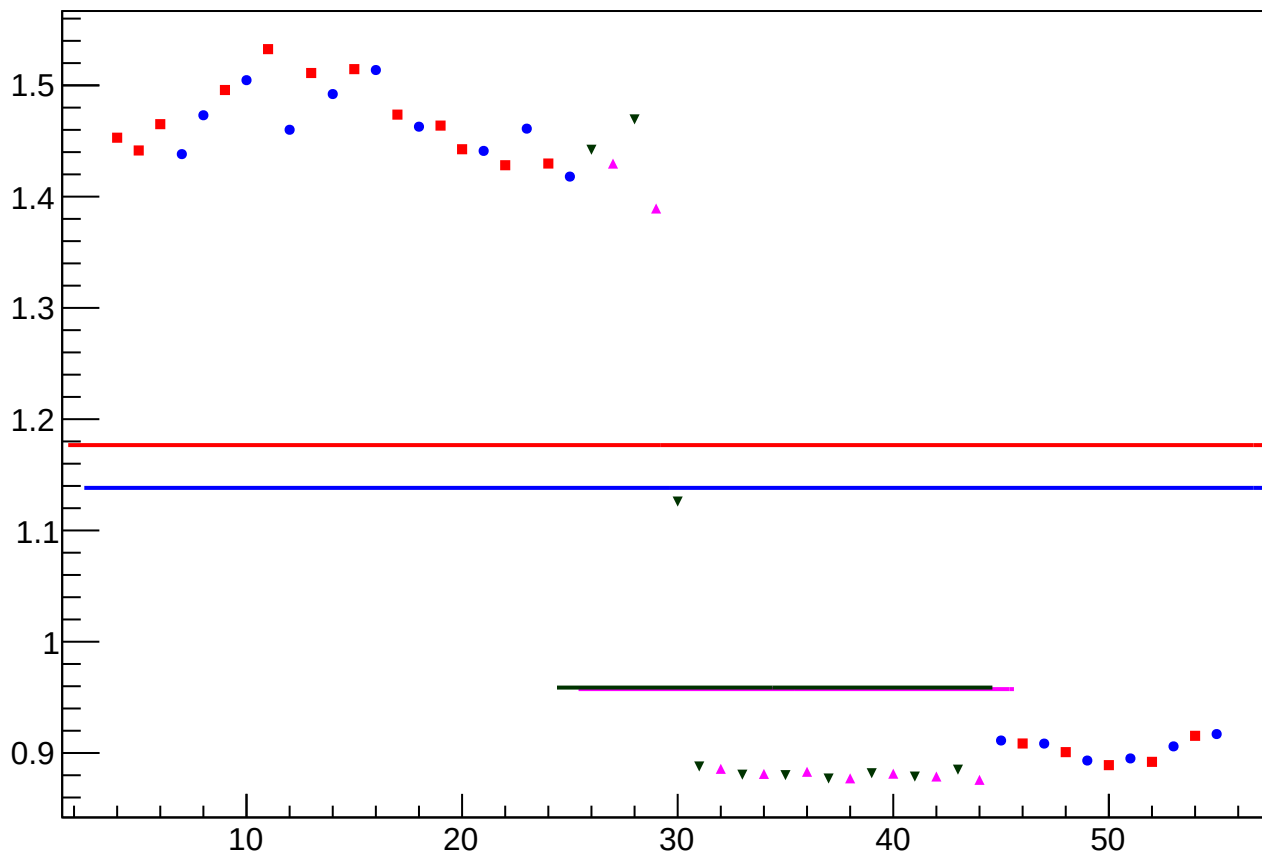
Right Out: -0.314 ± 0.403 $\chi^2/\text{NDF}: 15.8/16$

Left In: -0.010 ± 0.410 $\chi^2/\text{NDF}: 3.0/8$

-0.628 ± 0.278 $\chi^2/\text{NDF}: 40.6/25$

-0.164 ± 0.288 $\chi^2/\text{NDF}: 19.1/25$

asym_cav4dQ_rms vs slug



Right In: 1.138+/-0.000 χ^2/NDF : 1142710.8/15

Left Out: 0.959+/-0.000 χ^2/NDF : 370902.6/9

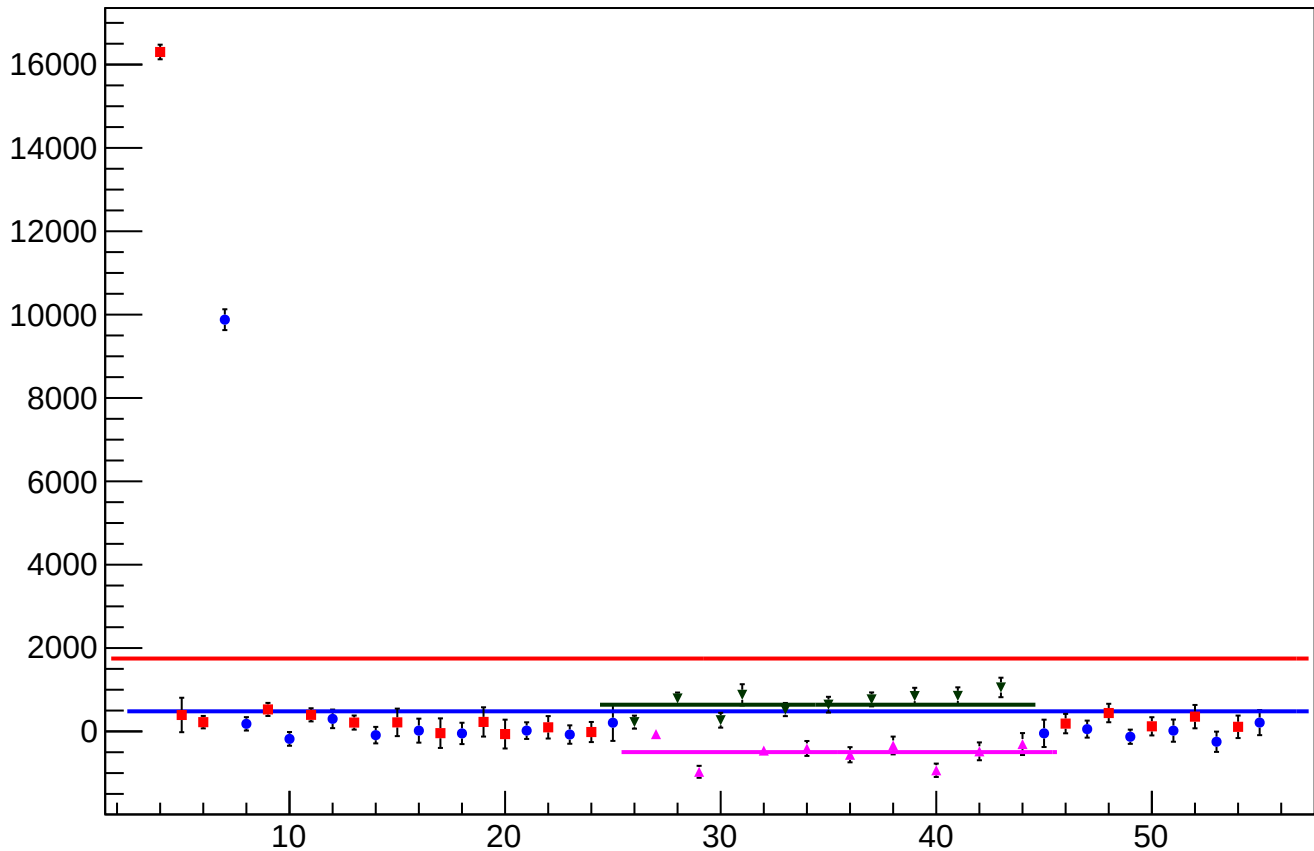
Right Out: 1.177+/-0.000 χ^2/NDF : 1027624.3/16

Left In: 0.957+/-0.000 χ^2/NDF : 411162.2/8

1.060+/-0.000 χ^2/NDF : 1718163.8/25

1.069+/-0.000 χ^2/NDF : 1729325.2/25

asym_bcm0l02_mean vs slug



Right In: 481.830+/-55.466 χ^2/NDF : 1493.7/15

Left Out: 640.376+/-56.927 χ^2/NDF : 19.9/9

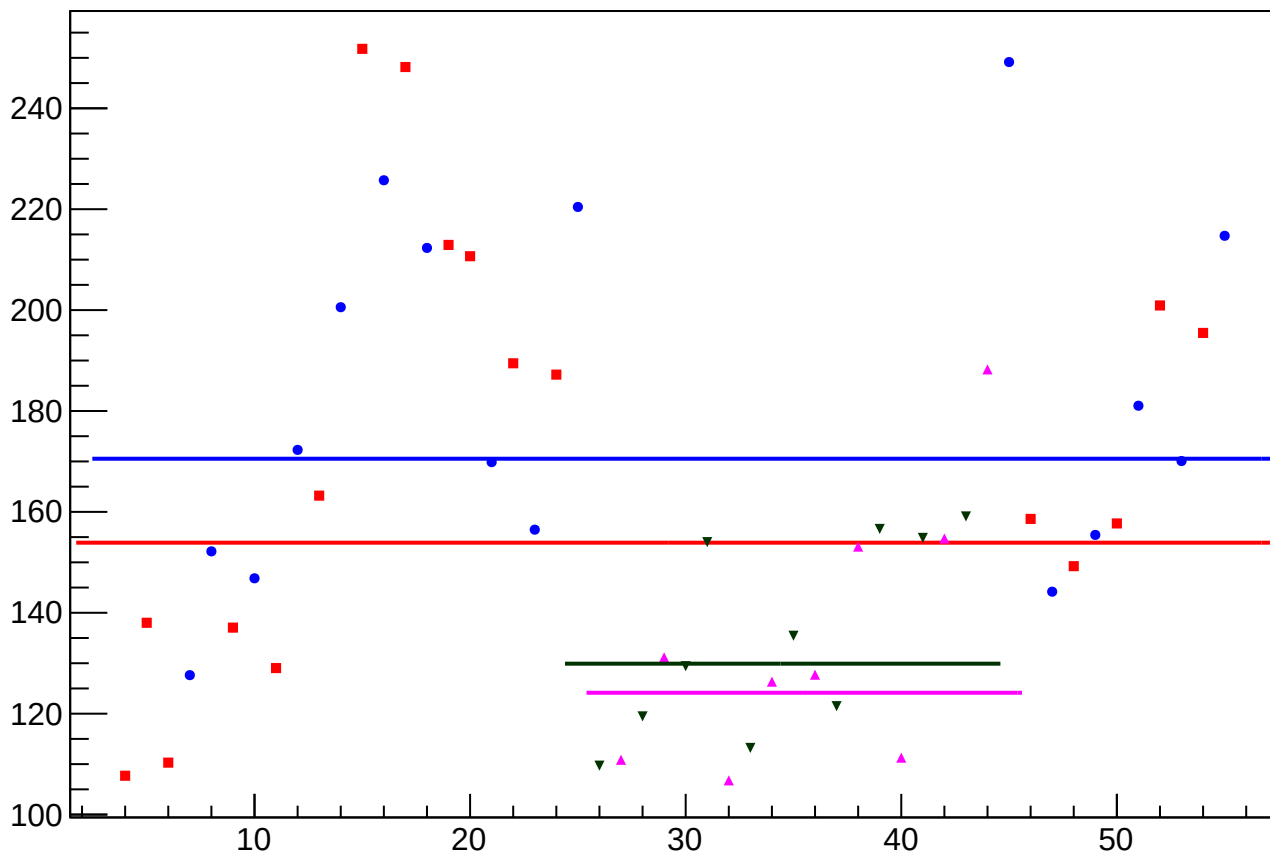
559.043+/-39.727 χ^2/NDF : 1517.6/25

Right Out: 1748.318+/-53.467 χ^2/NDF : 7591.2/16

622.529+/-37.753 χ^2/NDF : 8507.8/25

Left In: -496.812+/-53.314 χ^2/NDF : 32.4/8

asym_bcm0l02_rms vs slug



Right In: 170.537 ± 0.039 χ^2/NDF : 543929.2/15

Left Out: 129.911 ± 0.040 χ^2/NDF : 188039.4/9

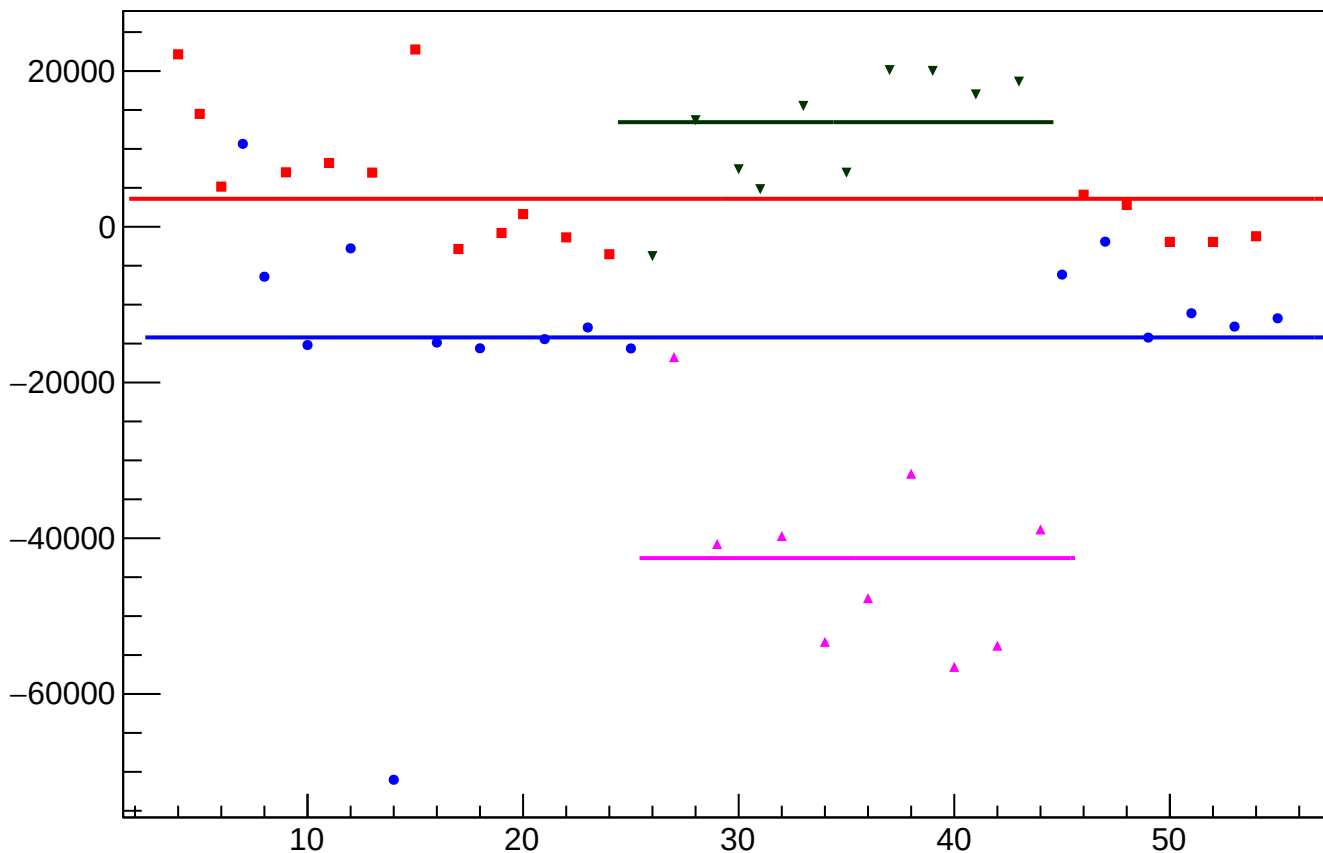
Right Out: 153.896 ± 0.038 χ^2/NDF : 997649.0/16

Left In: 124.148 ± 0.038 χ^2/NDF : 285531.8/8

150.752 ± 0.028 χ^2/NDF : 1254504.3/25

138.979 ± 0.027 χ^2/NDF : 1593619.7/25

asym_bpm2i01WS_mean vs slug



Right In: -14207.222 ± 34.667 χ^2/NDF : 220644.3/15

Left Out: 13435.021 ± 42.371 χ^2/NDF : 28229.6/9

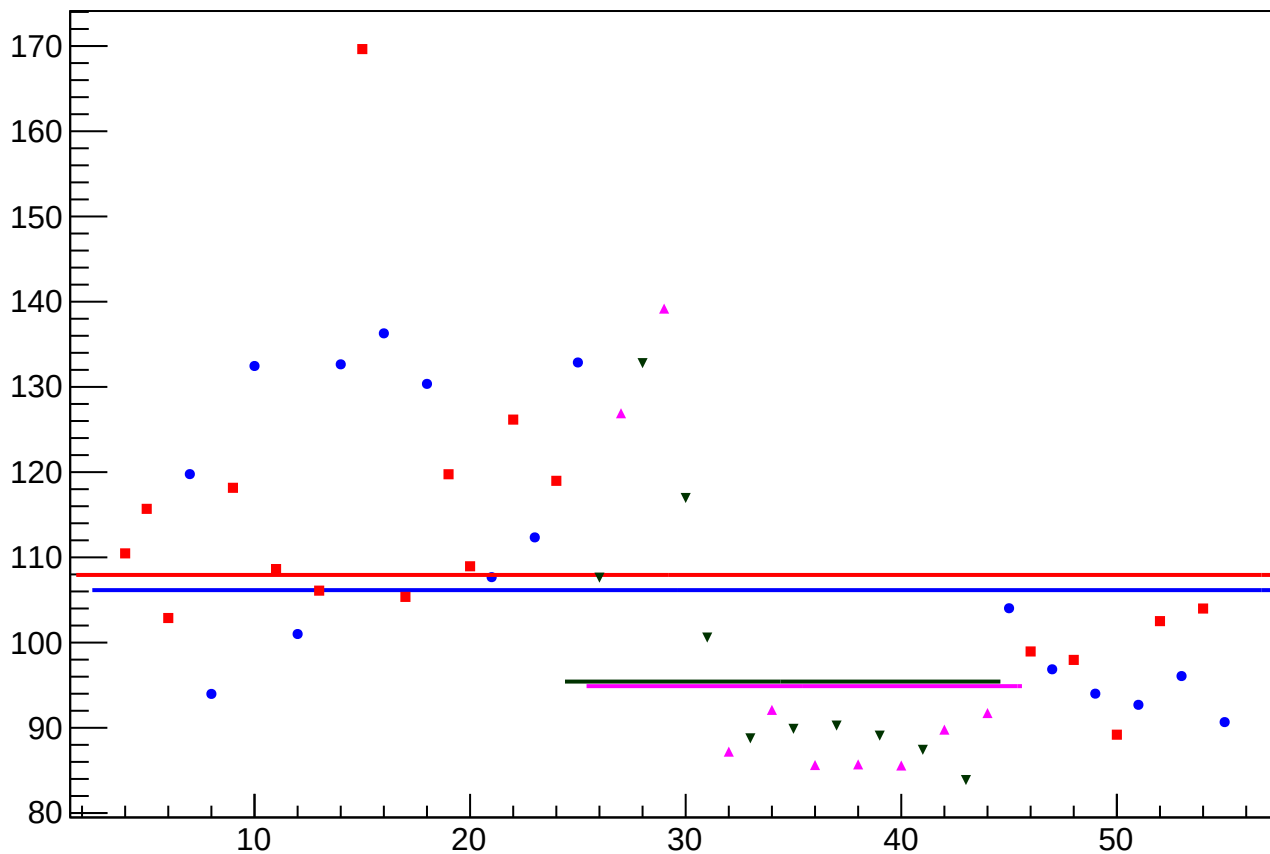
Right Out: 3592.371 ± 37.074 χ^2/NDF : 31022.1/16

Left In: -42544.240 ± 41.432 χ^2/NDF : 71406.7/8

-3123.308 ± 26.831 χ^2/NDF : 503818.0/25

-16922.484 ± 27.628 χ^2/NDF : 791041.0/25

asym_bpm2i01WS_rms vs slug



Right In: 106.156+/-0.025 χ^2/NDF : 402709.9/15

Left Out: 95.426+/-0.030 χ^2/NDF :200660.2/9

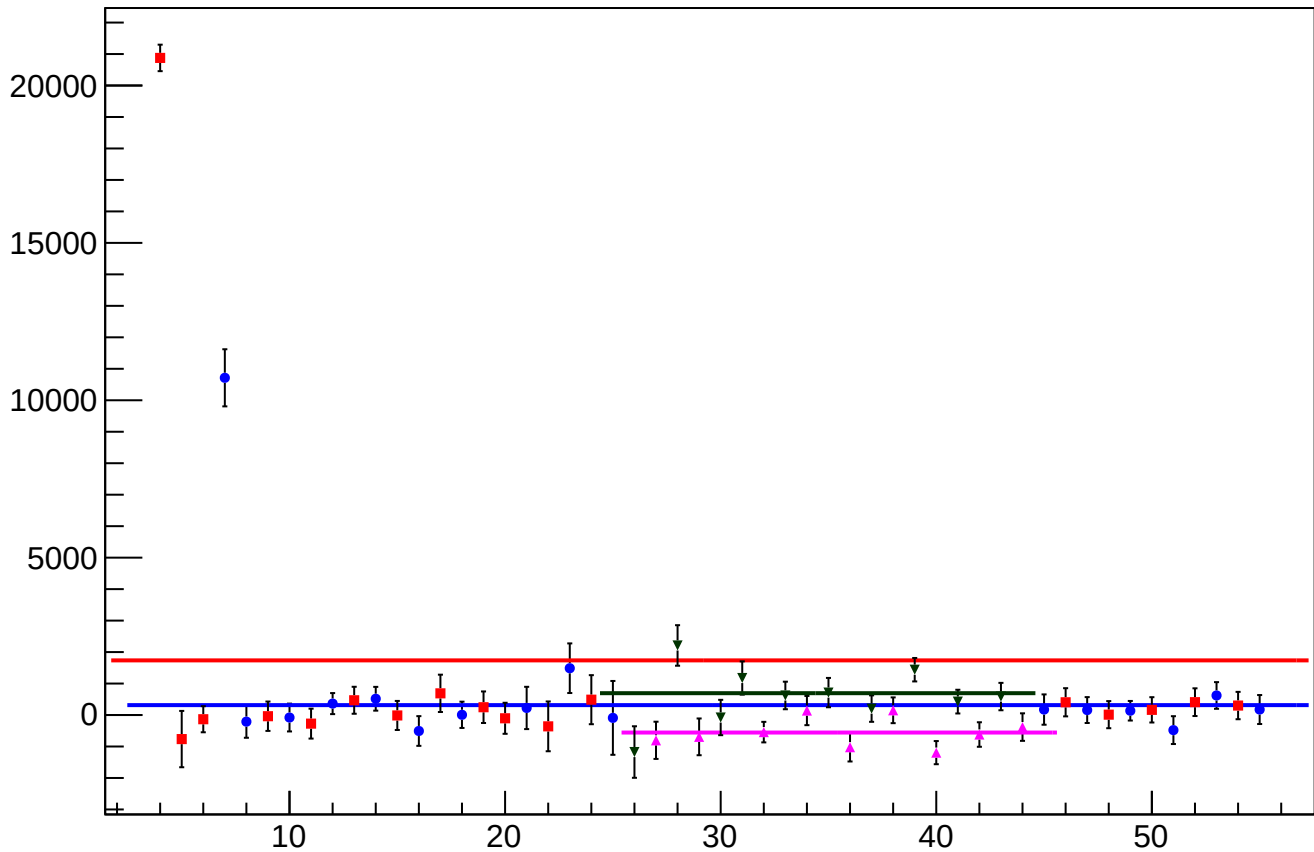
Right Out: 107.938+/-0.026 χ^2/NDF : 261859.3/16

Left In: 94.889+/-0.029 χ^2/NDF :314634.4/8

101.853+/-0.019 χ^2/NDF : 680201.2/25

102.135+/-0.020 χ^2/NDF : 686657.7/25

asym_bpm0i07WS_mean vs slug



Right In: 314.585 ± 114.066 $\chi^2/\text{NDF}: 143.8/15$

Left Out: 693.815 ± 147.932 $\chi^2/\text{NDF}: 19.5/9$

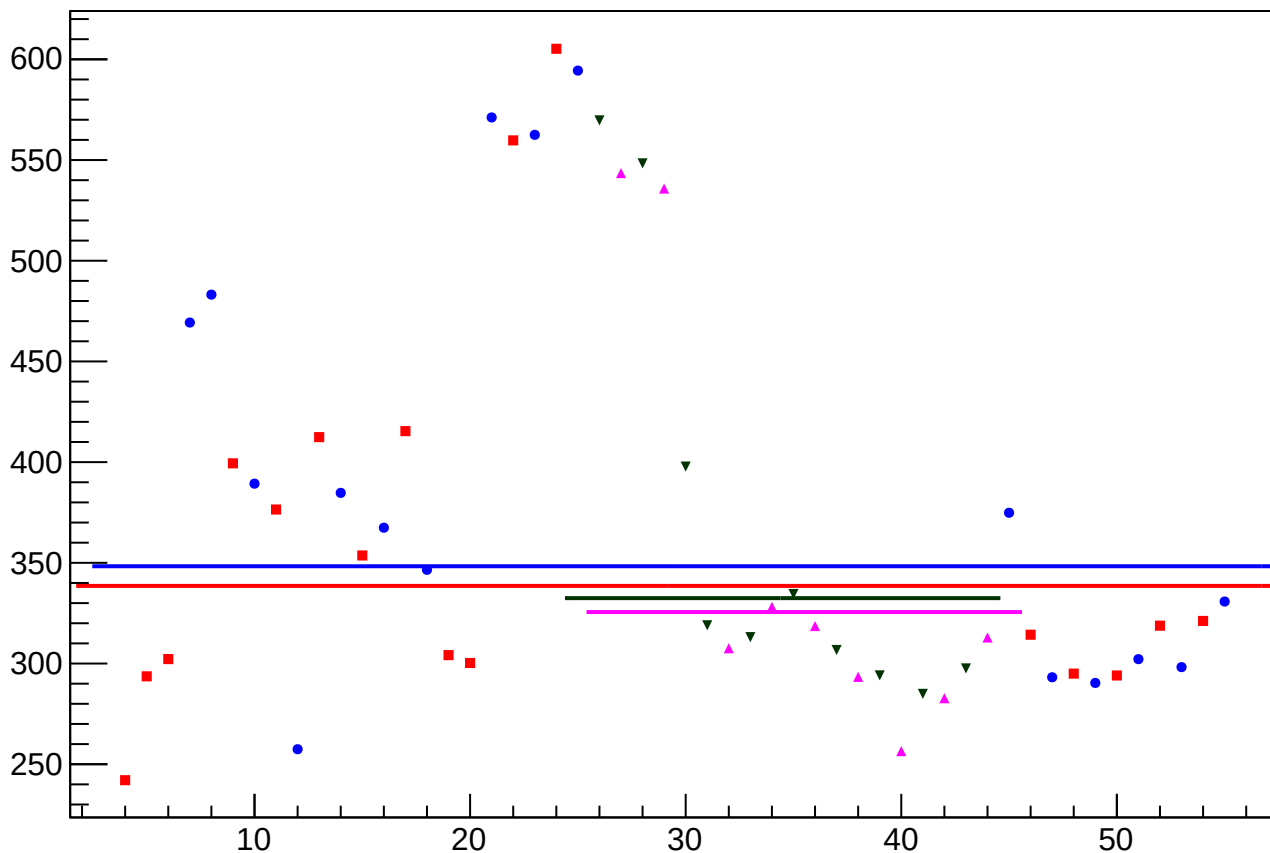
455.986 ± 90.331 $\chi^2/\text{NDF}: 167.4/25$

Right Out: 1736.005 ± 116.968 $\chi^2/\text{NDF}: 2249.4/16$

806.091 ± 90.178 $\chi^2/\text{NDF}: 2414.9/25$

Left In: -556.564 ± 141.592 $\chi^2/\text{NDF}: 9.7/8$

asym_bpm0i07WS_rms vs slug



Right In: 348.297 $\pm$ 0.081 χ^2 /NDF: 981093.2/15

Left Out: 332.466 $\pm$ 0.105 χ^2 /NDF: 498518.7/9

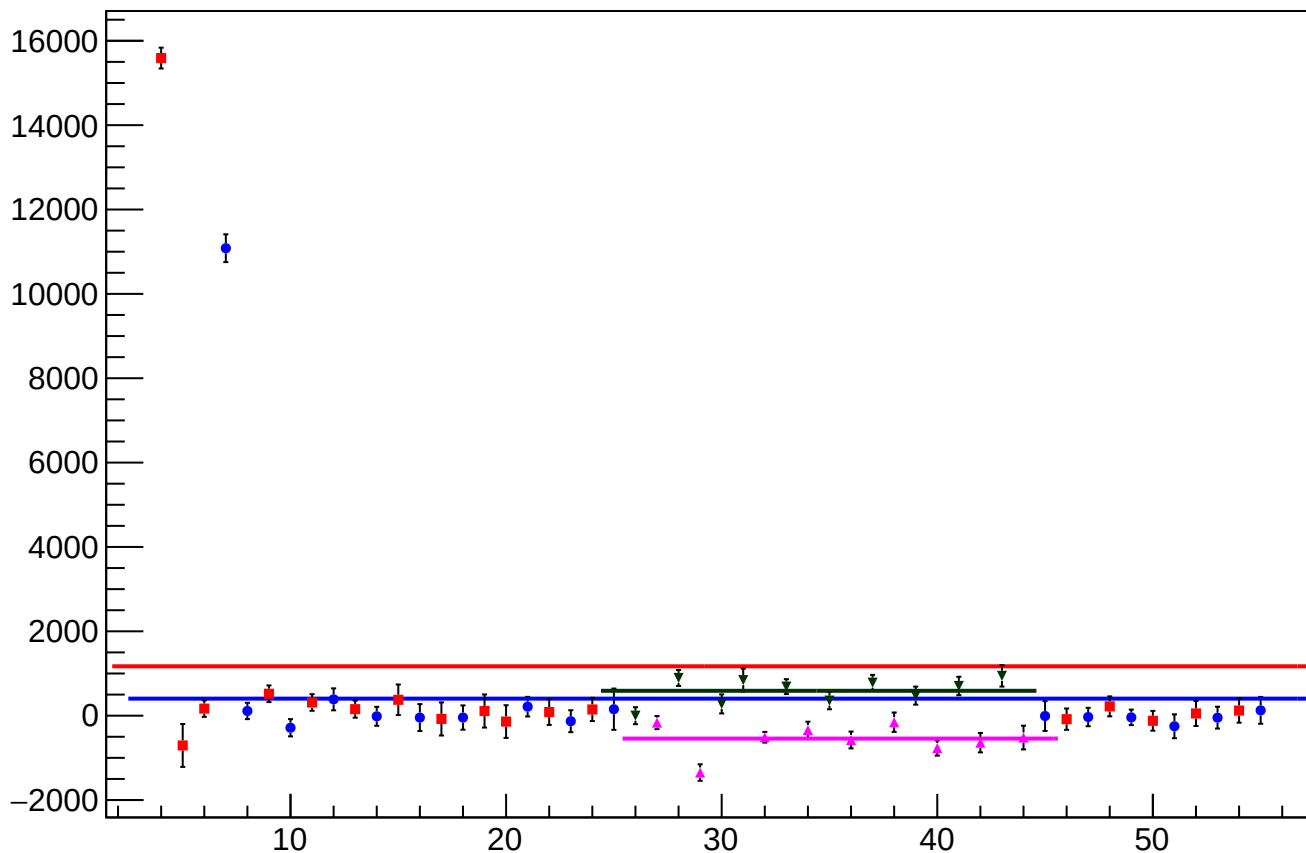
Right Out: 338.546 $\pm$ 0.083 χ^2 /NDF: 737673.6/16

Left In: 325.557 $\pm$ 0.100 χ^2 /NDF: 646591.2/8

342.394 $\pm$ 0.064 χ^2 /NDF: 1493975.6/25

333.277 $\pm$ 0.064 χ^2 /NDF: 1394269.0/25

asym_bpm0l01WS_mean vs slug



Right In: 404.111+/-63.334 χ^2/NDF : 1096.3/15

Left Out: 589.690+/-66.057 χ^2/NDF : 19.1/9

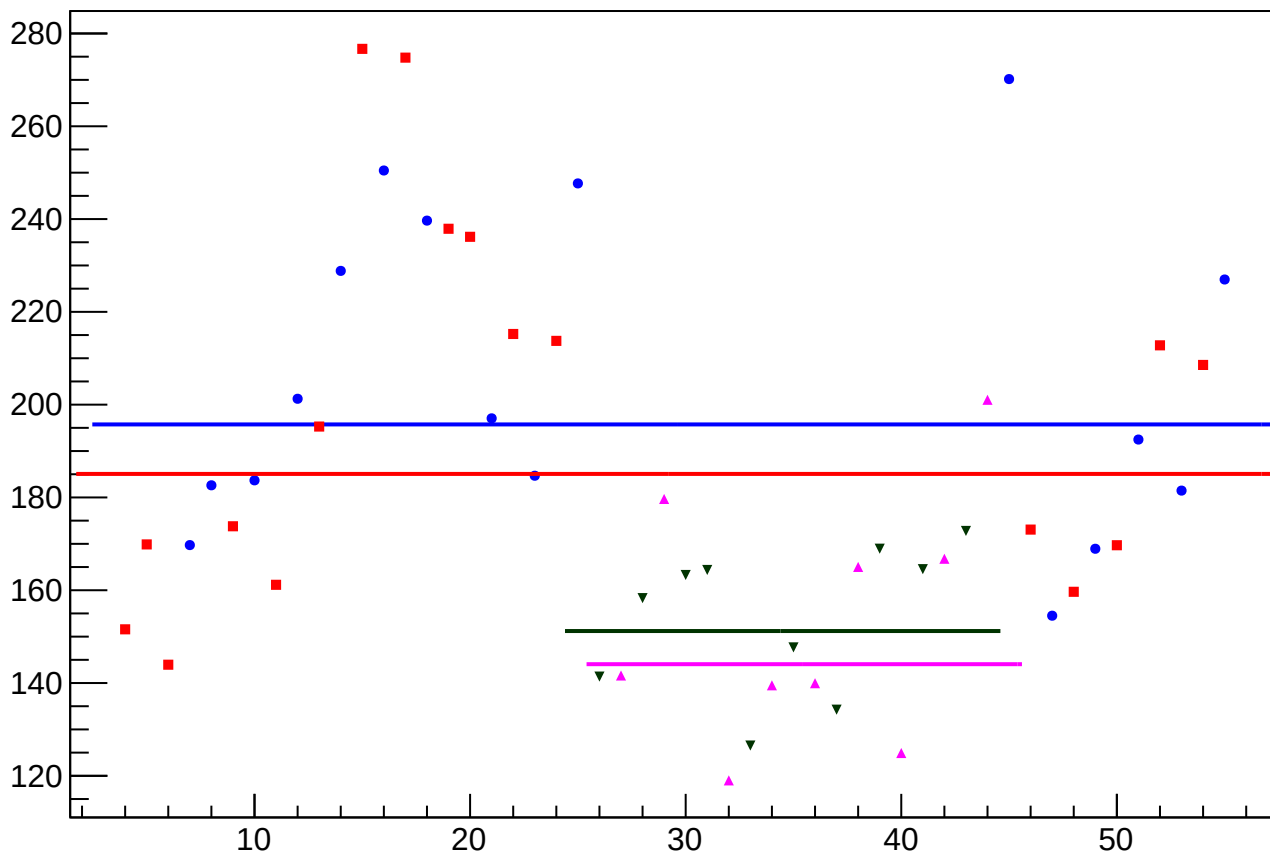
Right Out: 1170.572+/-63.412 χ^2/NDF : 3679.3/16

Left In: -542.908+/-61.747 χ^2/NDF : 28.6/8

492.996+/-45.716 χ^2/NDF : 1119.6/25

291.038+/-44.239 χ^2/NDF : 4082.7/25

asym_bpm0l01WS_rms vs slug



Right In: 195.738+/-0.045 χ^2/NDF : 431798.8/15

Left Out: 151.207+/-0.047 χ^2/NDF :110209.2/9

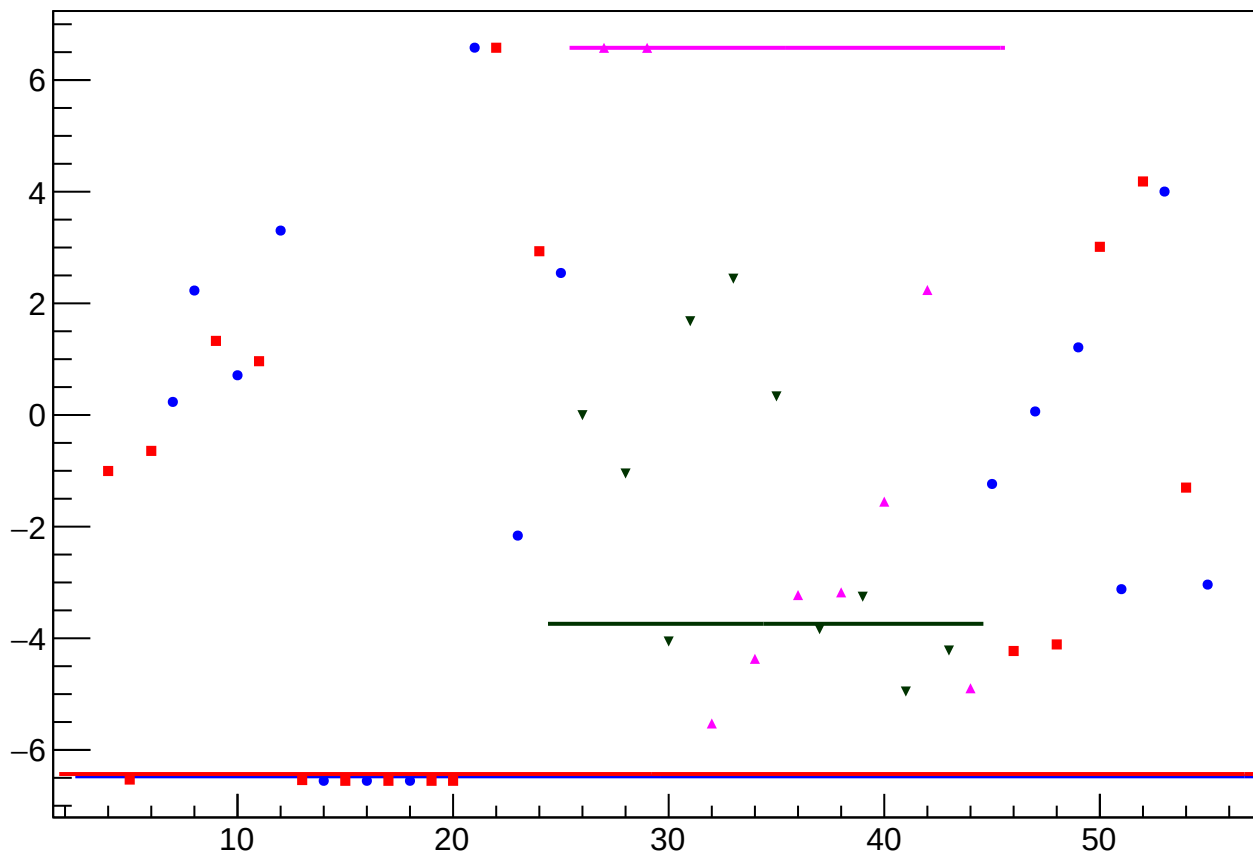
174.409+/-0.032 χ^2/NDF : 1015588.7/25

Right Out: 185.070+/-0.045 χ^2/NDF : 580459.6/16

164.020+/-0.031 χ^2/NDF : 1297554.6/25

Left In: 144.061+/-0.044 χ^2/NDF :287746.6/8

yield_cav4bX_mean vs slug



Right In: -6.473+/-0.000 χ^2/NDF : 127847945968096.1/15

Left Out: -3.741+/-0.001 χ^2/NDF : 5731885.1/9

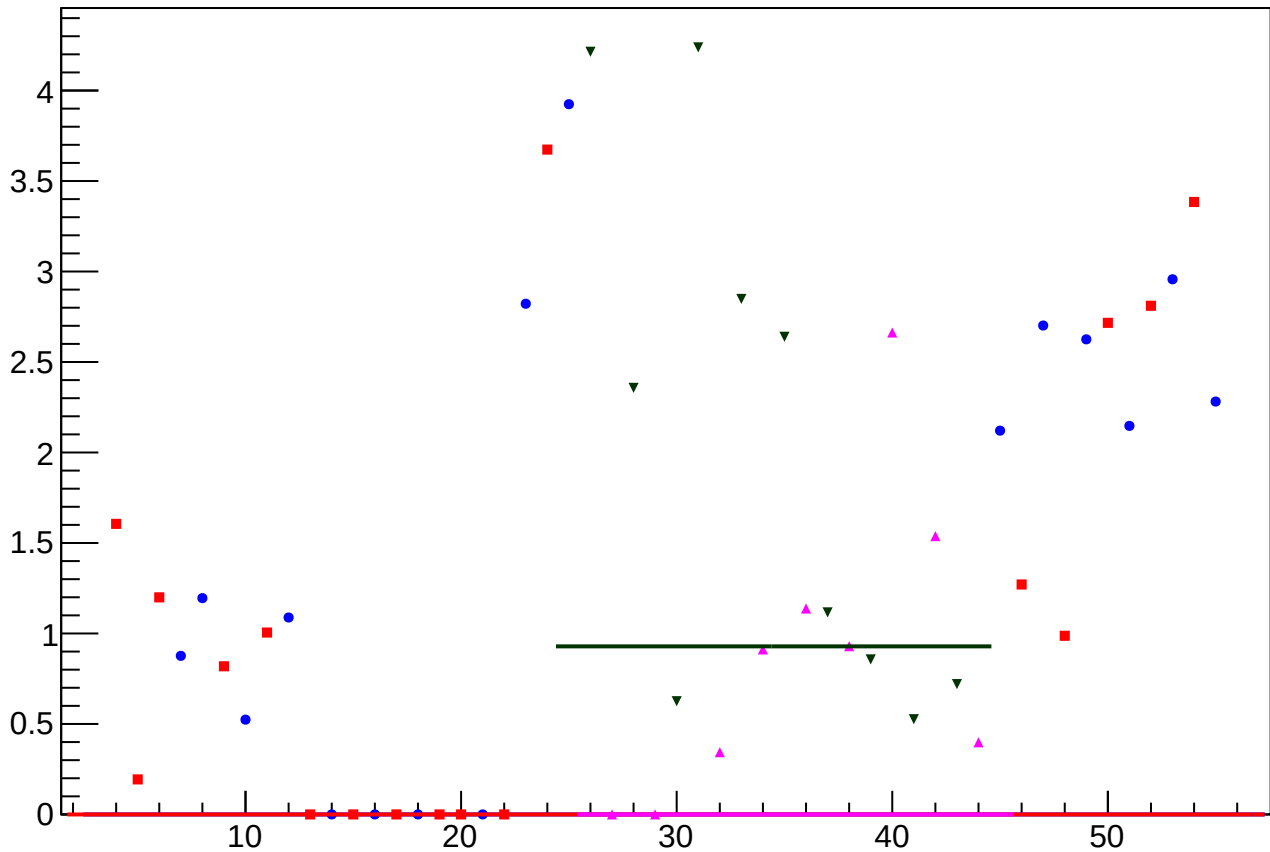
Right Out: -6.432+/-0.000 χ^2/NDF : 150837616351909.7/16

Left In: 6.578+/-0.000 χ^2/NDF : 822807717.8/8

-6.473+/-0.000 χ^2/NDF : 127847970350978.0/2

-6.315+/-0.000 χ^2/NDF : 297092125584849.3/2

yield_cav4bX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 9676510.5/15

Left Out: 0.929+/-0.000 χ^2/NDF : 2482114.1/9

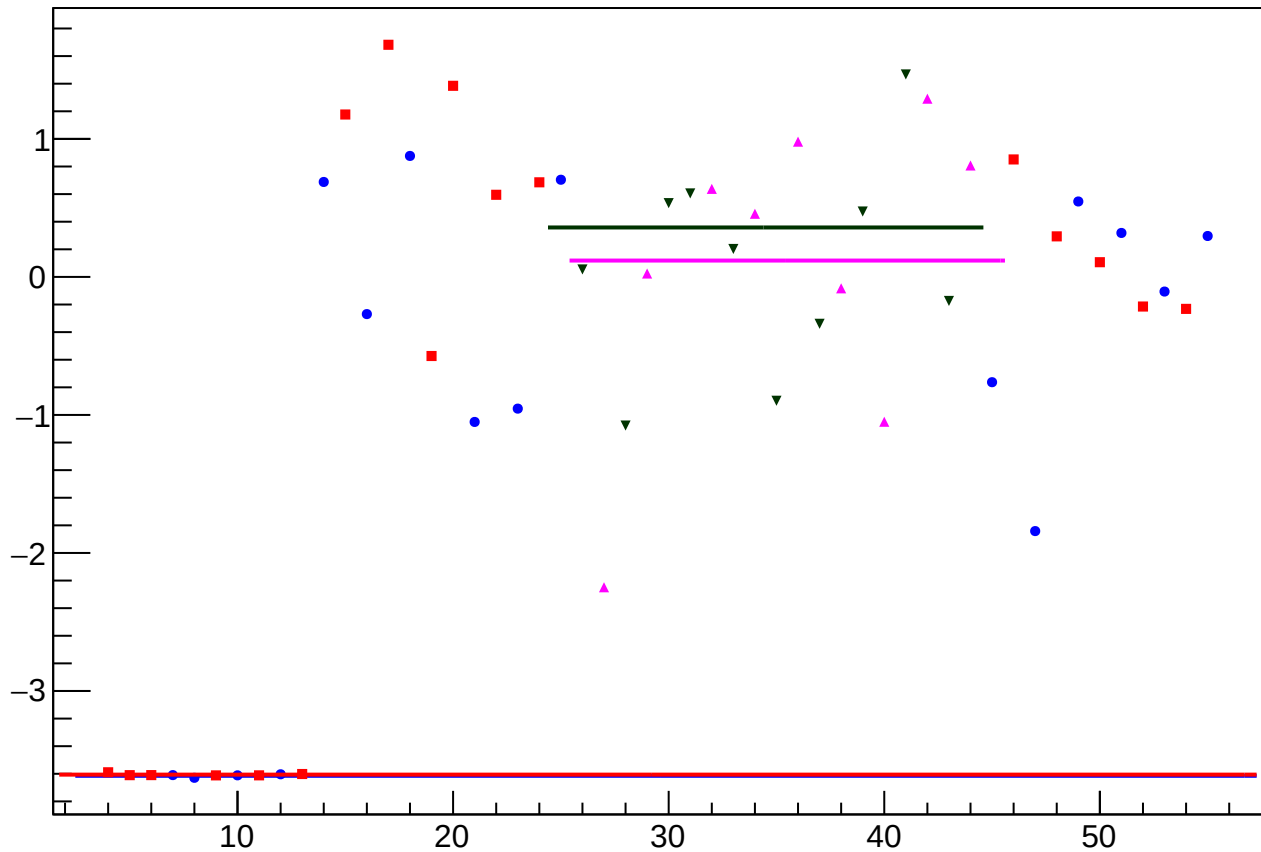
0.000+/-0.000 χ^2/NDF : 16468104.1/25

Right Out: 0.000+/-0.000 χ^2/NDF : 7938732.4/16

0.000+/-0.000 χ^2/NDF : 12570275.2/25

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 : 49082382322.5/15

-3.614 ± 0.000 χ^2/NDF : 49236623613.6/25

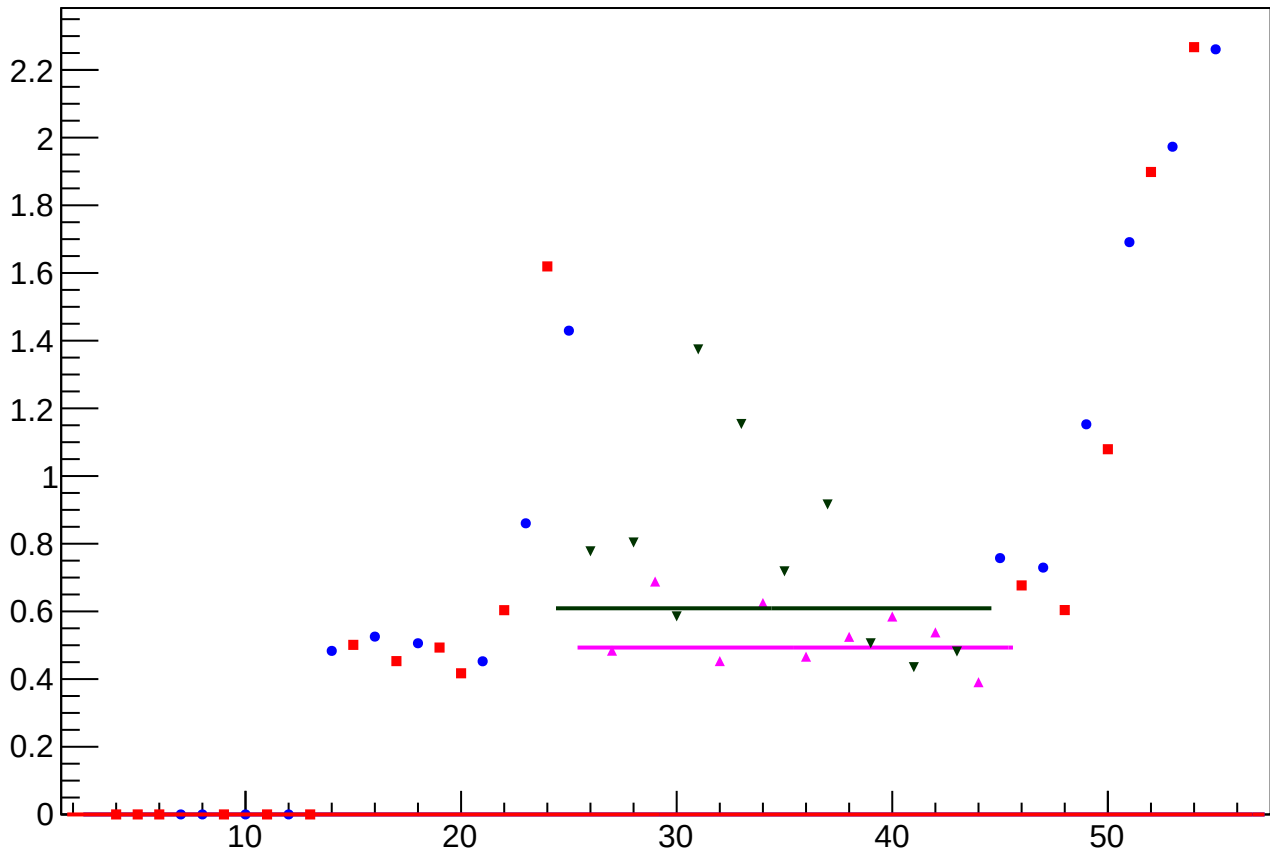
Left Out: 0.358 ± 0.000 χ^2/NDF : 6673360.6/9

Right Out: -3.606 ± 0.000 χ^2/NDF : 37789343859.0/16

-3.606 ± 0.000 χ^2/NDF : 38028865225.3/25

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 : 11271434.0/15

Left Out: 0.609+/-0.000 χ^2/NDF : 799340.0/9

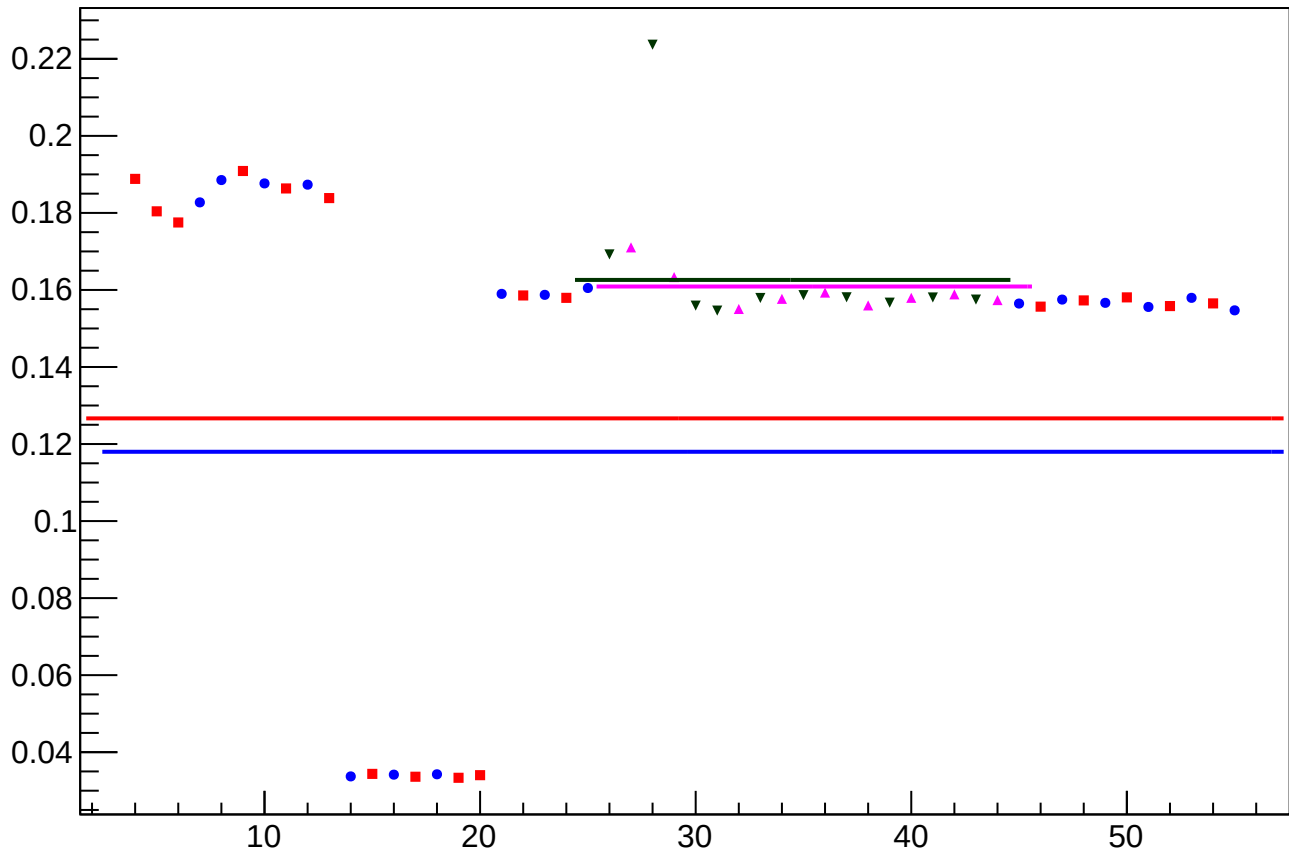
0.000+/-0.000 χ^2/NDF : 19008805.9/25

Right Out: 0.000+/-0.000 χ^2/NDF : 8610315.0/16

0.000+/-0.000 χ^2/NDF : 16515148.2/25

Left In: 0.493+/-0.000 χ^2/NDF : 214040.2/8

yield_cav4cX_mean vs slug



Right In: 0.118 $\pm$ 0.000 χ^2 /NDF: 4932953495.0/15

Left Out: 0.163 $\pm$ 0.000 χ^2 /NDF:101593637.2/9

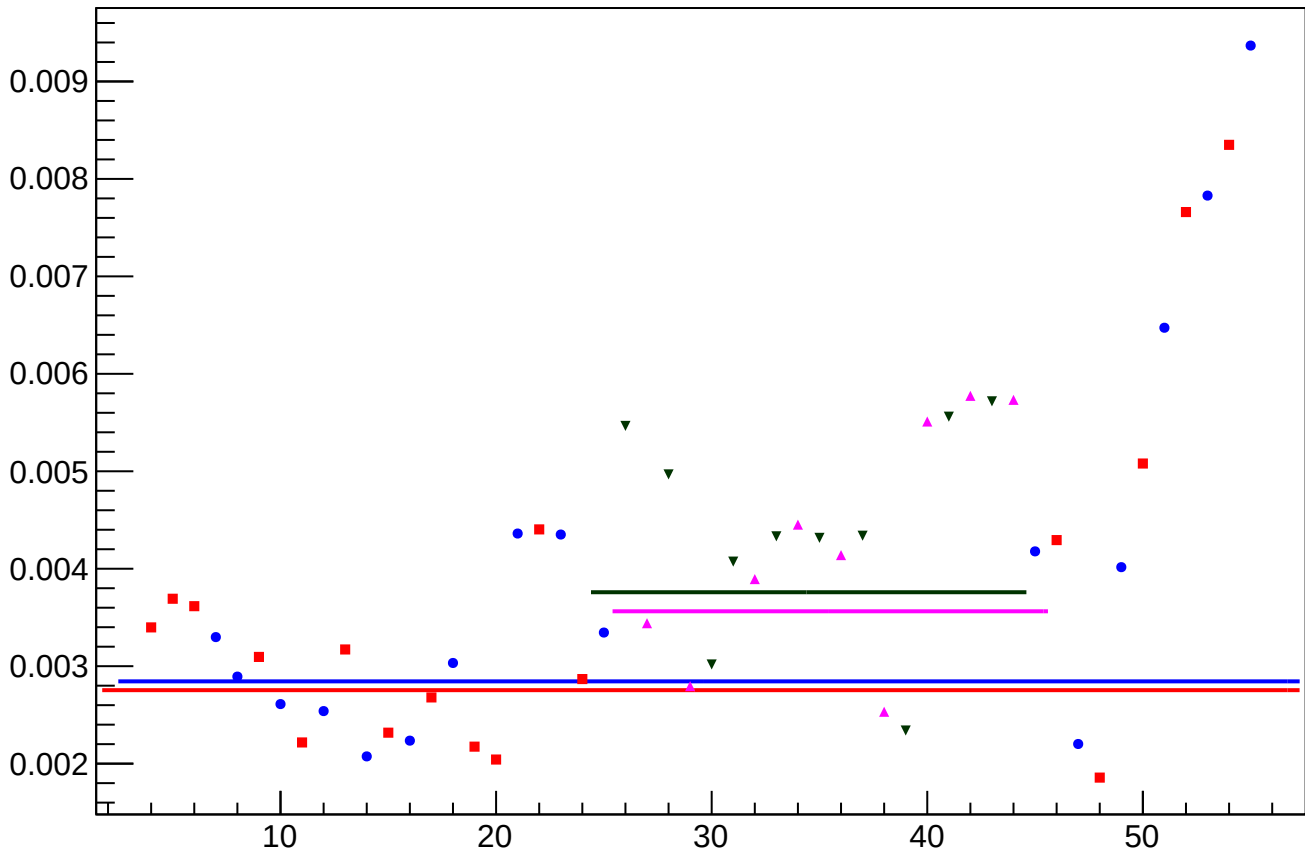
0.129 $\pm$ 0.000 χ^2 /NDF: 5524954777.0/25

Right Out: 0.127 $\pm$ 0.000 χ^2 /NDF: 4413404146.5/16

0.136 $\pm$ 0.000 χ^2 /NDF: 4750655151.8/25

Left In: 0.161 $\pm$ 0.000 χ^2 /NDF:11671584.7/8

yield_cav4cX_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 2185637.3/15

Left Out: 0.004+/-0.000 χ^2/NDF :884952.0/9

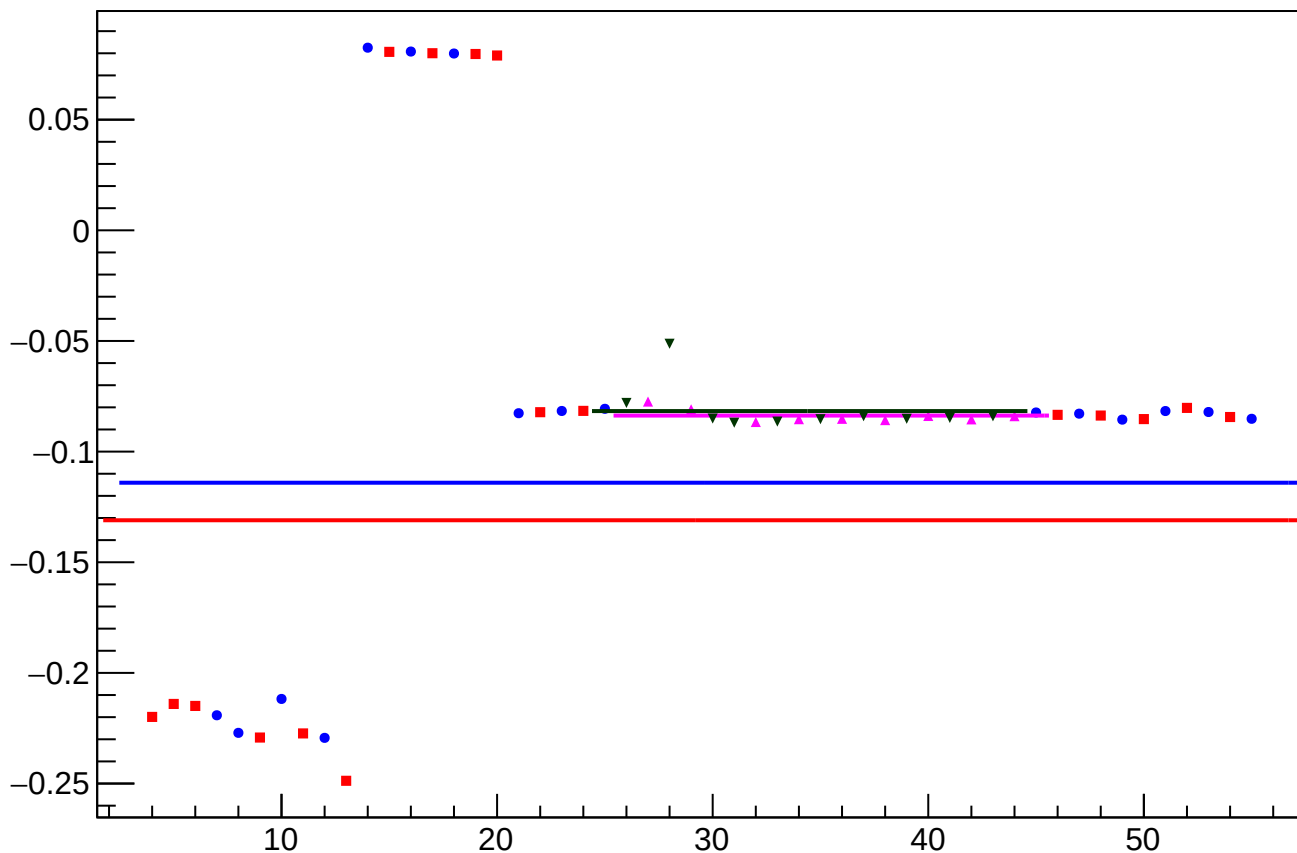
0.003+/-0.000 χ^2/NDF : 3482745.5/25

Right Out: 0.003+/-0.000 χ^2/NDF : 1965145.8/16

0.003+/-0.000 χ^2/NDF : 3080972.1/25

Left In: 0.004+/-0.000 χ^2/NDF :752035.9/8

yield_cav4cY_mean vs slug



Right In: -0.114+/-0.000 χ^2/NDF : 9675819686.6/15

Left Out: -0.082+/-0.000 χ^2/NDF : 35856752.9/9

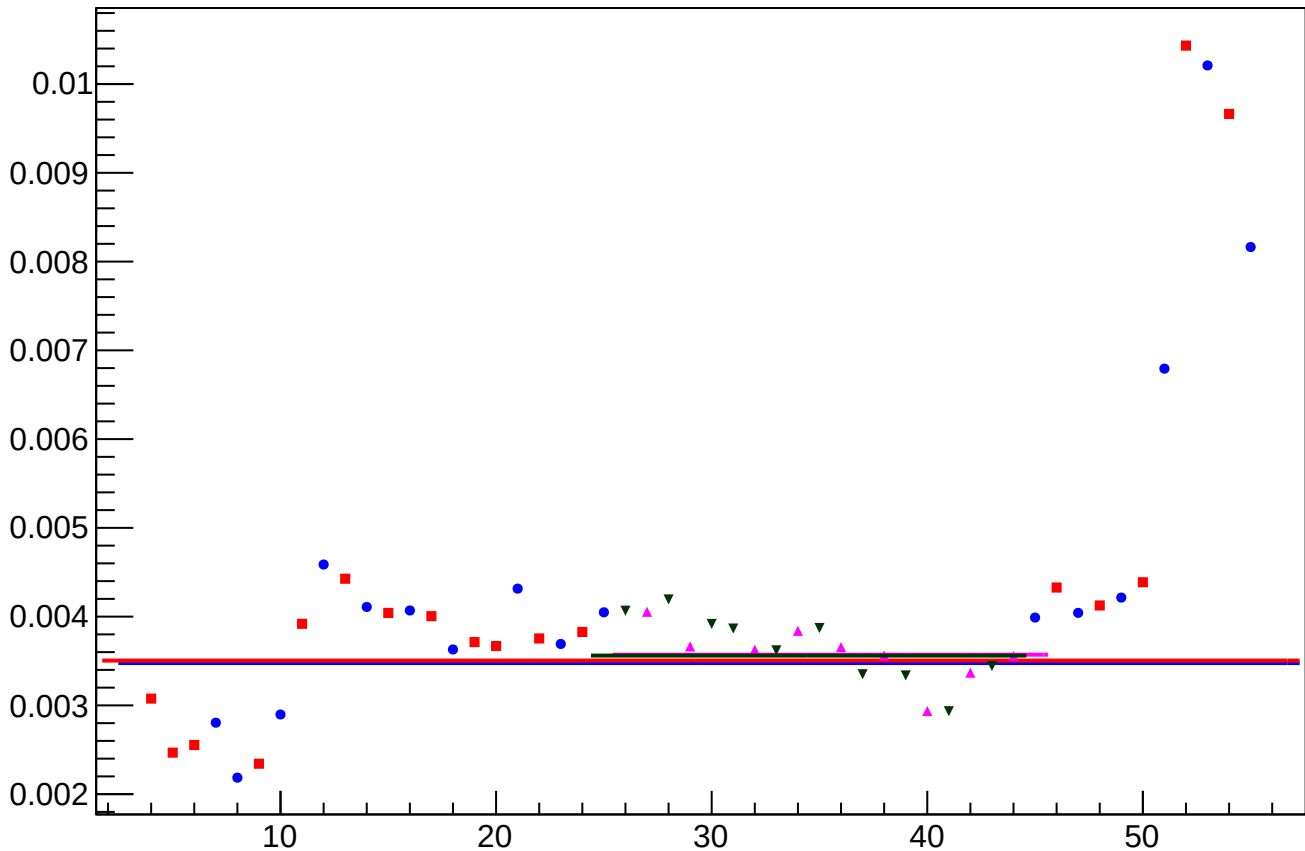
Right Out: -0.131+/-0.000 χ^2/NDF : 8846578759.6/16

Left In: -0.084+/-0.000 χ^2/NDF : 3521413.4/8

-0.102+/-0.000 χ^2/NDF : 9977357904.9/25

-0.112+/-0.000 χ^2/NDF : 9416461230.3/25

yield_cav4cY_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 1877046.5/15

Left Out: 0.004+/-0.000 χ^2/NDF :124023.6/9

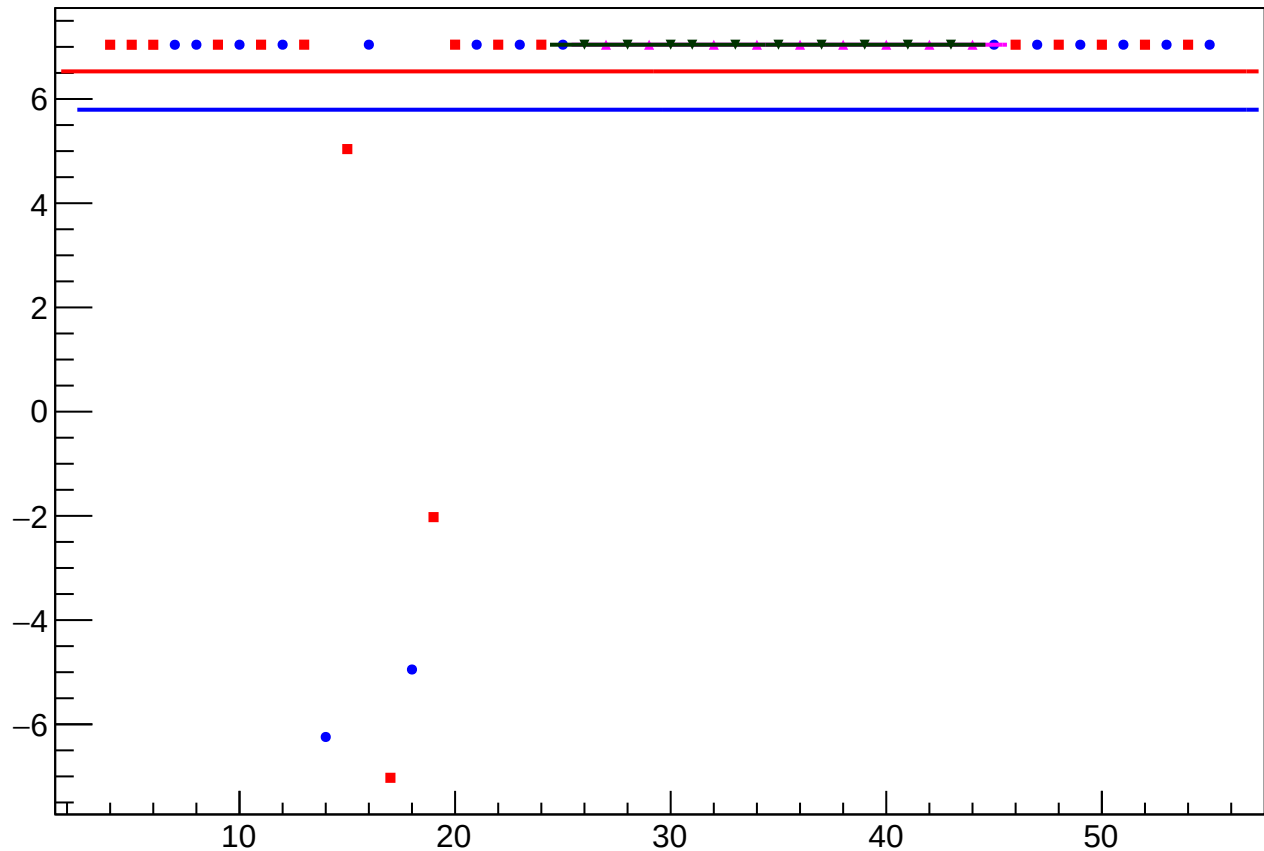
0.004+/-0.000 χ^2/NDF : 2004677.4/25

Right Out: 0.004+/-0.000 χ^2/NDF : 1599888.3/16

0.004+/-0.000 χ^2/NDF : 1681326.9/25

Left In: 0.004+/-0.000 χ^2/NDF :79207.1/8

yield_cav4dX_mean vs slug



Right In: 5.794+/-0.000 χ^2/NDF : 4551294978087225.0/15

Left Out: 7.042+/-0.000 χ^2/NDF : 765209.6/9

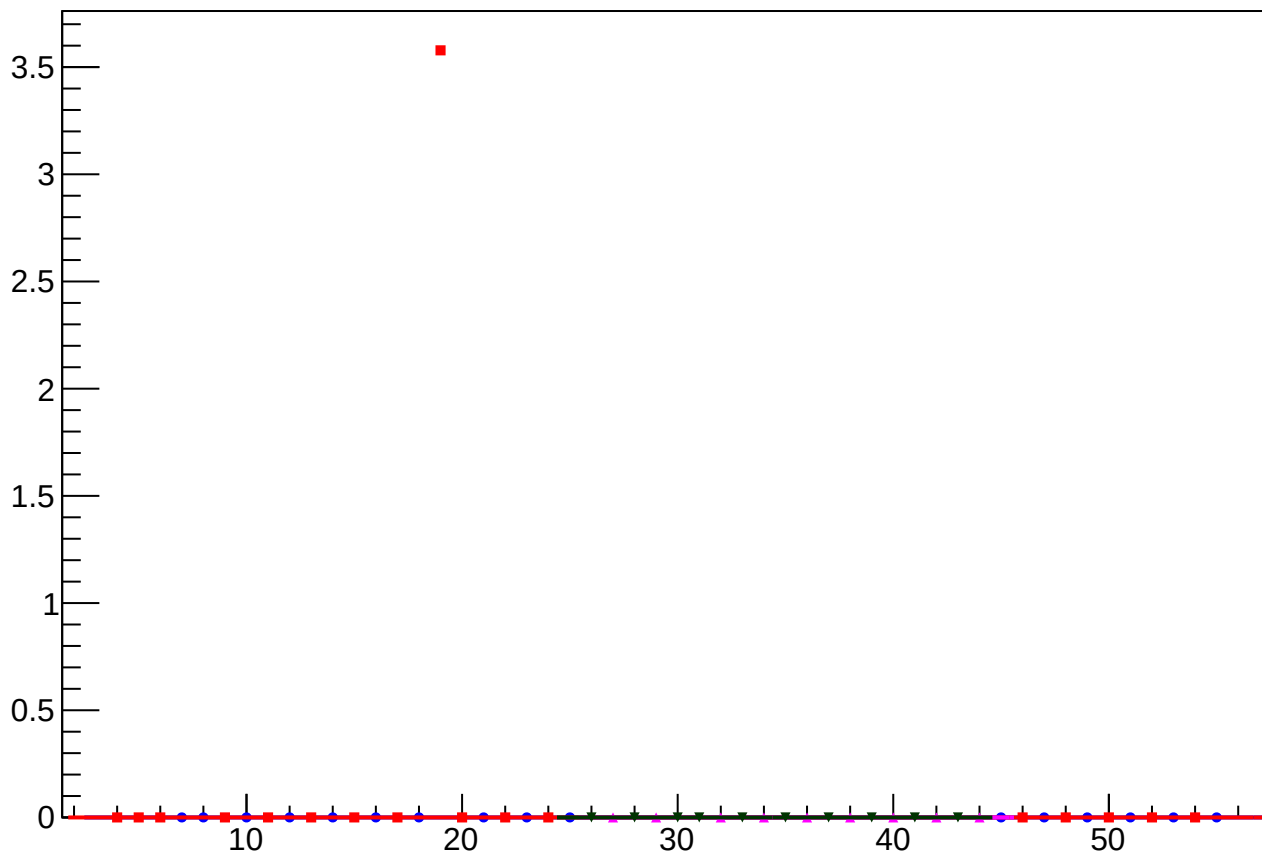
Right Out: 6.530+/-0.000 χ^2/NDF : 1849485688272027.5/16

Left In: 7.042+/-0.000 χ^2/NDF : 540646.4/8

6.288+/-0.000 χ^2/NDF : 4741648205330245.0/2

6.756+/-0.000 χ^2/NDF : 1881341146496877.5/2

yield_cav4dX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 3982.2/15

Left Out: 0.000+/-0.000 χ^2/NDF :1535.6/9

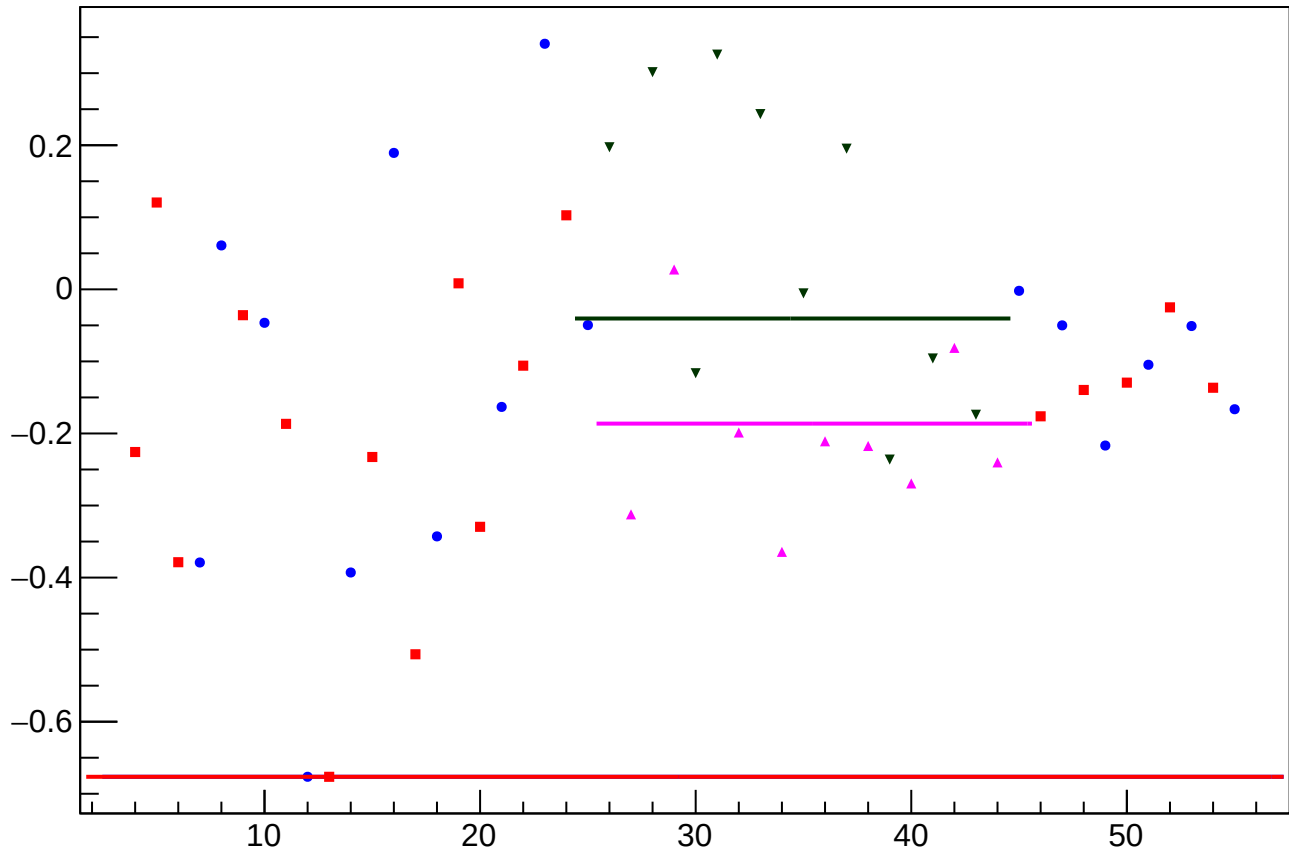
Right Out: 0.000+/-0.000 χ^2/NDF : 697067.5/16

Left In: 0.000+/-0.000 χ^2/NDF :1769.6/8

0.000+/-0.000 χ^2/NDF : 7097.3/25

0.000+/-0.000 χ^2/NDF : 702605.2/25

yield_cav4dY_mean vs slug



Right In: -0.676+/-0.000 χ^2/NDF : 261462354.8/15

Left Out: -0.040+/-0.000 χ^2/NDF : 16704113.3/9

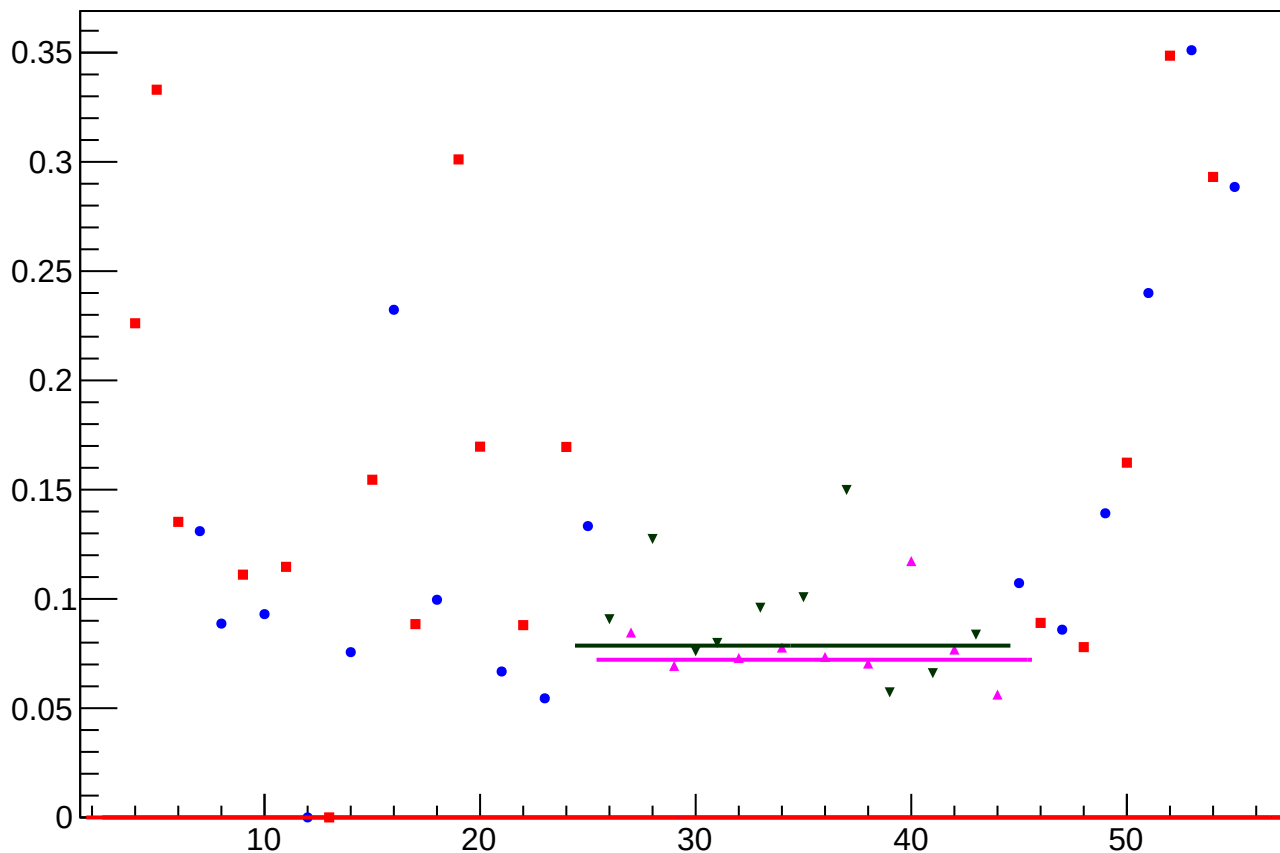
Right Out: -0.676+/-0.000 χ^2/NDF : 97114007.1/16

Left In: -0.186+/-0.000 χ^2/NDF : 8365095.9/8

-0.676+/-0.000 χ^2/NDF : 466201822.7/25

-0.676+/-0.000 χ^2/NDF : 262961468.9/25

yield_cav4dY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 13795461.3/15

Left Out: 0.079+/-0.000 χ^2/NDF : 452862.6/9

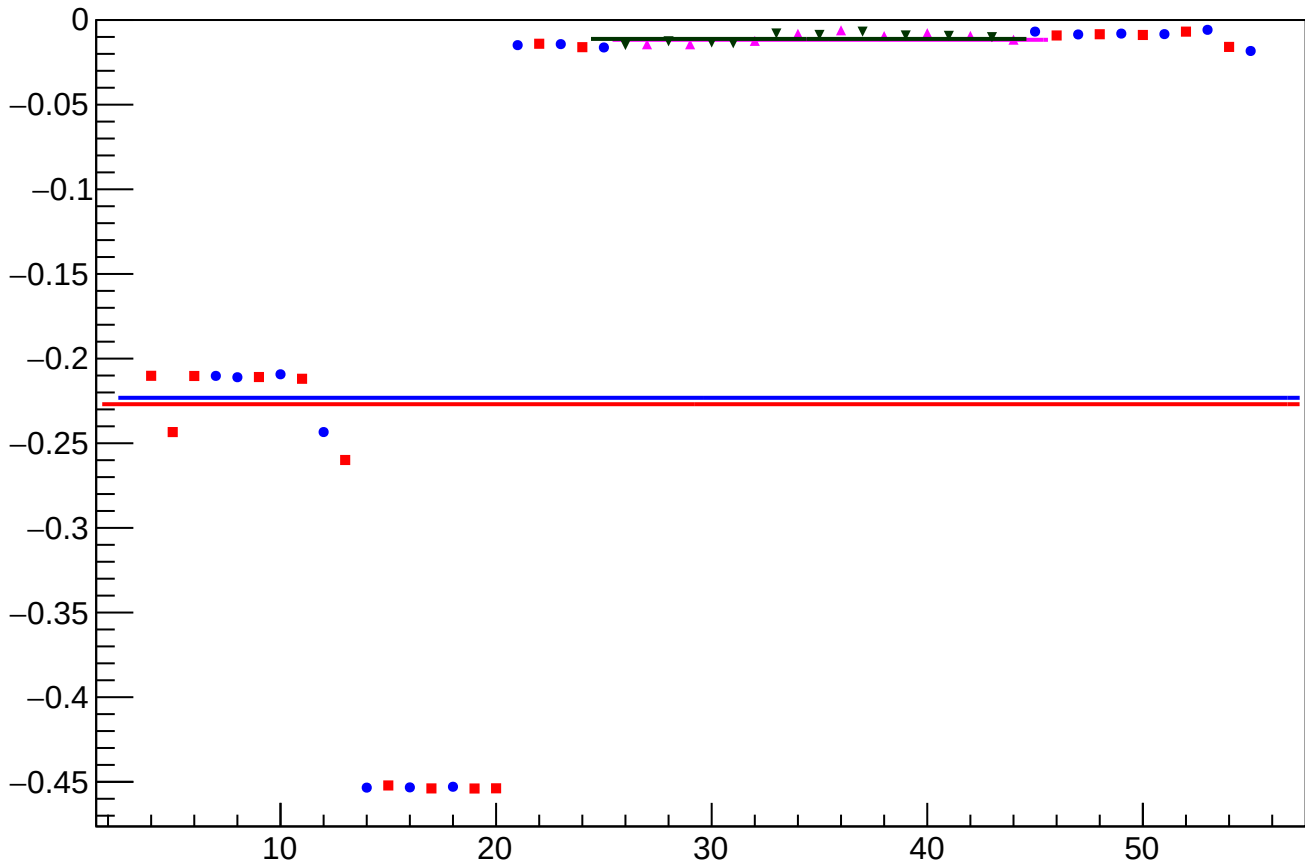
Right Out: 0.000+/-0.000 χ^2/NDF : 11989599.3/16

Left In: 0.072+/-0.000 χ^2/NDF : 192884.5/8

0.000+/-0.000 χ^2/NDF : 19995069.5/25

0.000+/-0.000 χ^2/NDF : 19007669.5/25

yield_bpm4aX_mean vs slug



Right In: -0.223+/-0.000 χ^2/NDF : 5005556009.1/15

Left Out: -0.011+/-0.000 χ^2/NDF : 401443.1/9

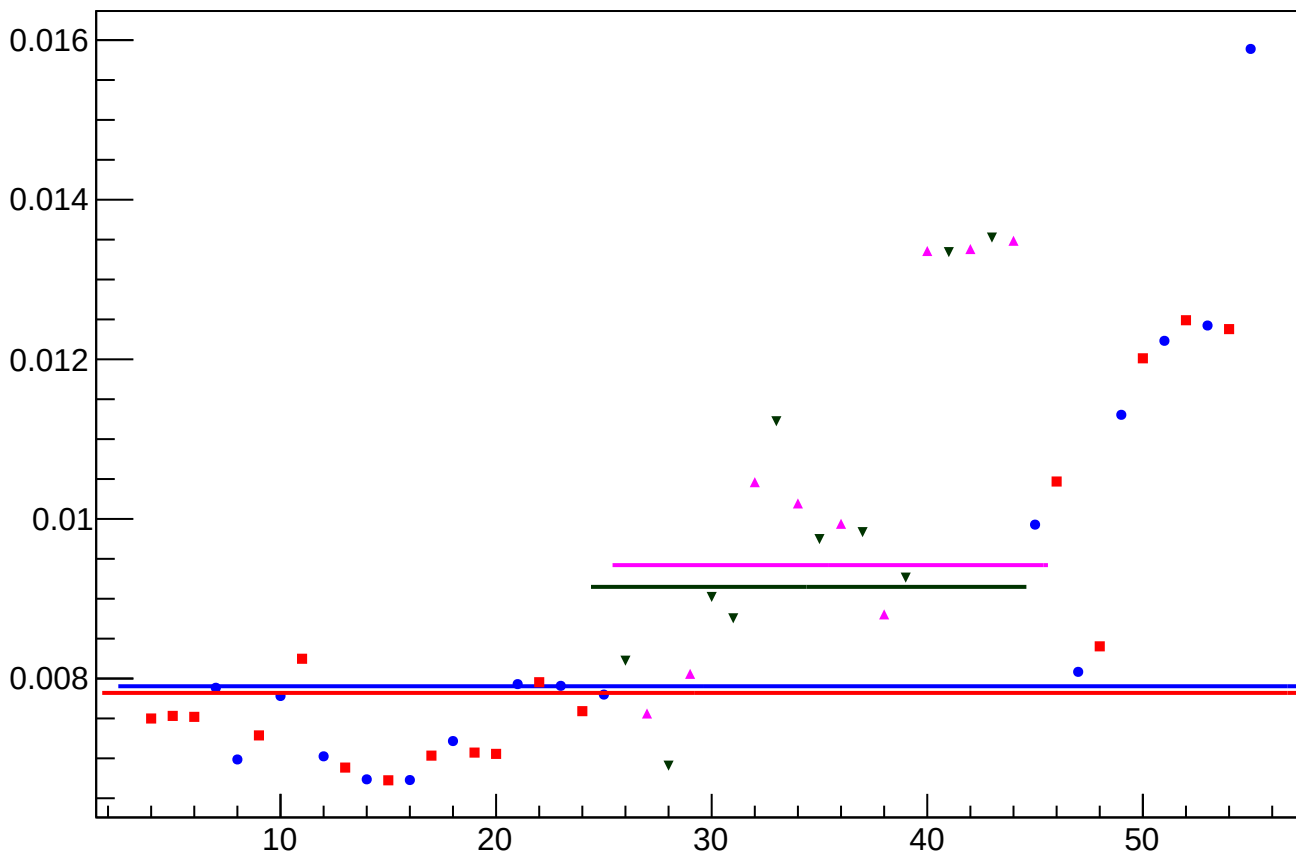
-0.163+/-0.000 χ^2/NDF : 6935034956.3/25

Right Out: -0.227+/-0.000 χ^2/NDF : 3807702339.0/16

-0.163+/-0.000 χ^2/NDF : 5755384821.0/25

Left In: -0.012+/-0.000 χ^2/NDF : 495469.4/8

yield_bpm4aX_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 876589.1/15

Left Out: 0.009+/-0.000 χ^2/NDF : 410320.9/9

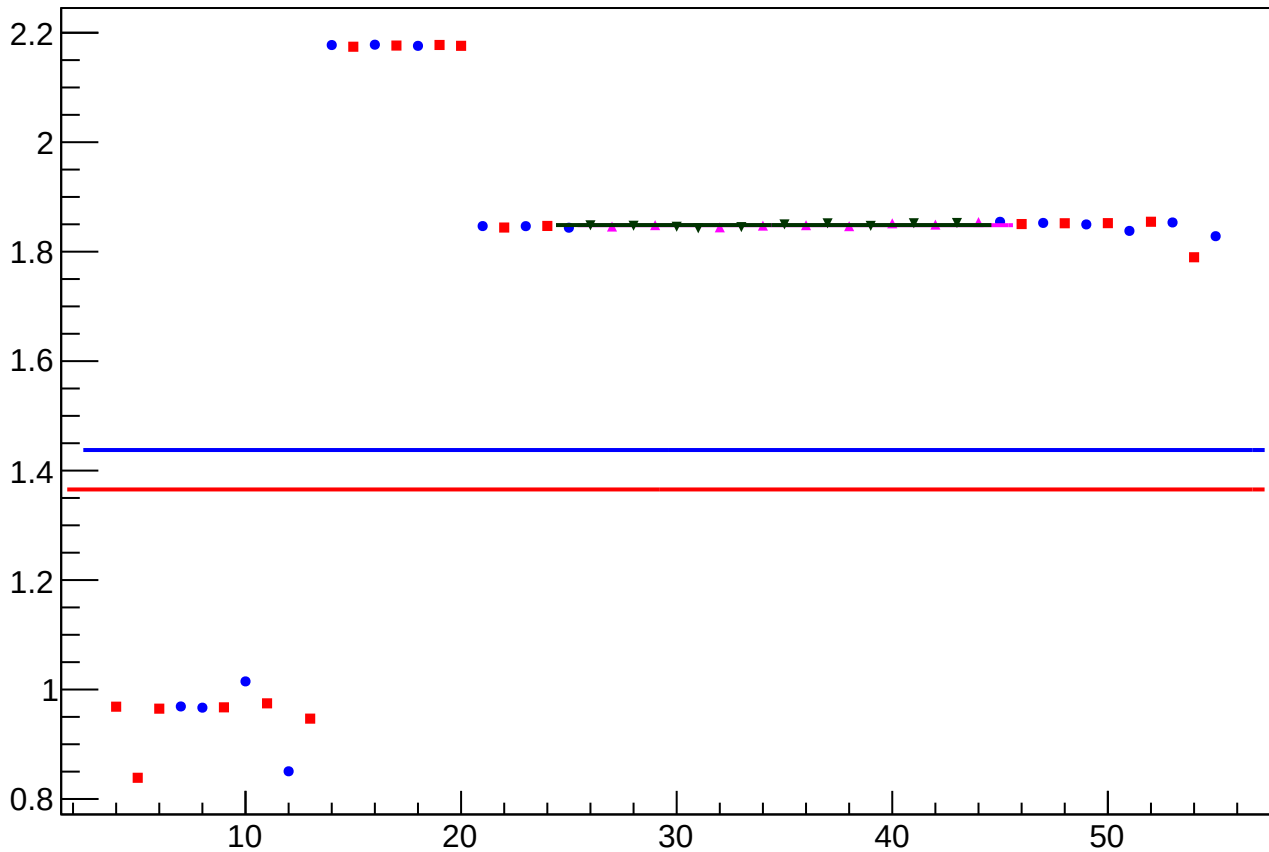
Right Out: 0.008+/-0.000 χ^2/NDF : 599069.3/16

Left In: 0.009+/-0.000 χ^2/NDF : 449025.1/8

0.008+/-0.000 χ^2/NDF : 1420040.8/25

0.008+/-0.000 χ^2/NDF : 1263590.4/25

yield_bpm4aY_mean vs slug



Right In: 1.438+/-0.000 χ^2/NDF : 14156373147.0/15

Left Out: 1.849+/-0.000 χ^2/NDF :239961.3/9

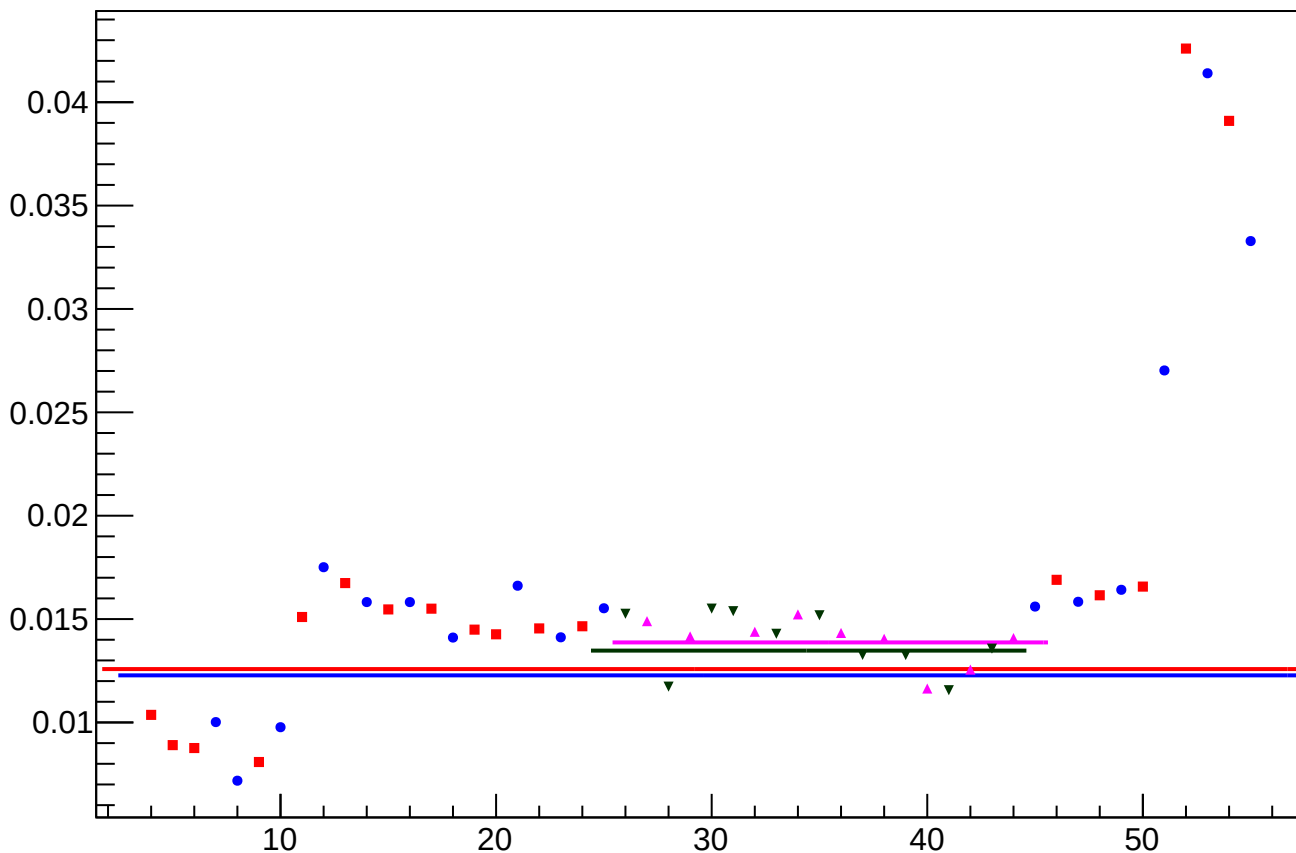
1.578+/-0.000 χ^2/NDF : 17238354884.4/25

Right Out: 1.366+/-0.000 χ^2/NDF : 12522064265.3/16

1.546+/-0.000 χ^2/NDF : 16666684583.2/25

Left In: 1.848+/-0.000 χ^2/NDF :226687.9/8

yield_bpm4aY_rms vs slug



Right In: 0.012+/-0.000 χ^2/NDF : 2678740.0/15

Left Out: 0.013+/-0.000 χ^2/NDF :115364.2/9

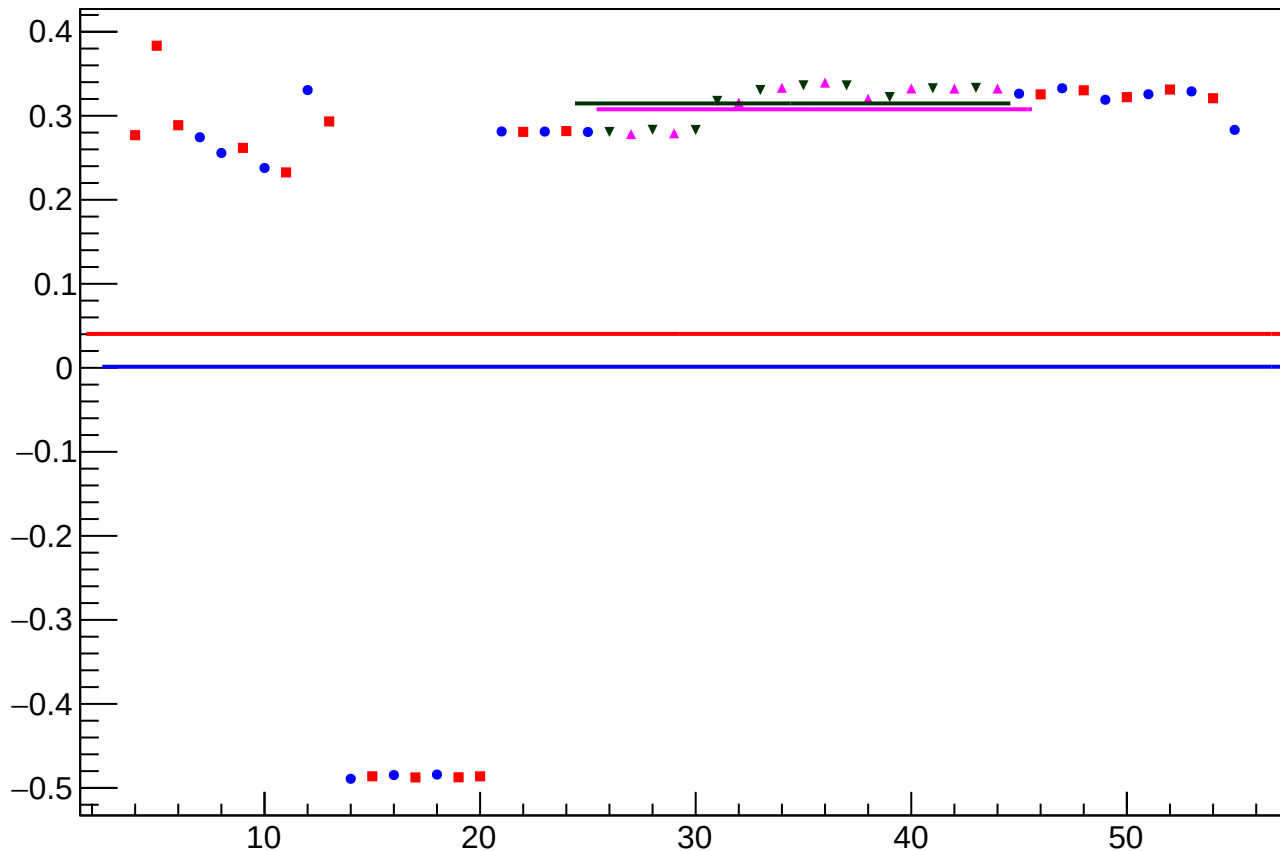
Right Out: 0.013+/-0.000 χ^2/NDF : 2103250.7/16

Left In: 0.014+/-0.000 χ^2/NDF :66613.9/8

0.013+/-0.000 χ^2/NDF : 2846400.3/25

0.013+/-0.000 χ^2/NDF : 2228941.9/25

yield_bpm4eX_mean vs slug



Right In: 0.001+/-0.000 χ^2/NDF : 3543808186.7/15

Left Out: 0.315+/-0.000 χ^2/NDF :5189197.9/9

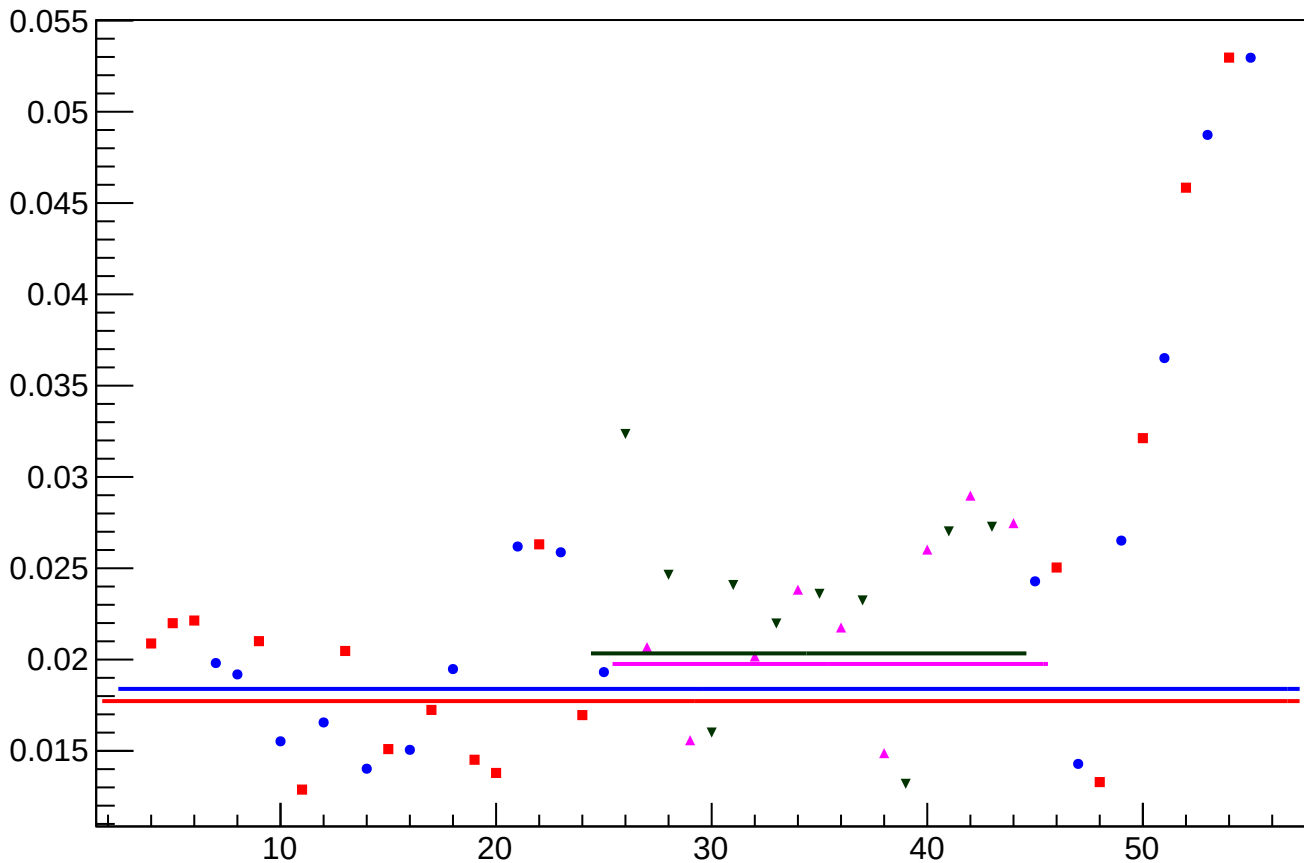
Right Out: 0.040+/-0.000 χ^2/NDF : 3136217223.8/16

Left In: 0.308+/-0.000 χ^2/NDF :7383992.6/8

0.099+/-0.000 χ^2/NDF : 4313826761.8/25

0.132+/-0.000 χ^2/NDF : 3744198542.8/25

yield_bpm4eX_rms vs slug



Right In: 0.018+/-0.000 χ^2/NDF : 1842079.9/15

Left Out: 0.020+/-0.000 χ^2/NDF : 733336.7/9

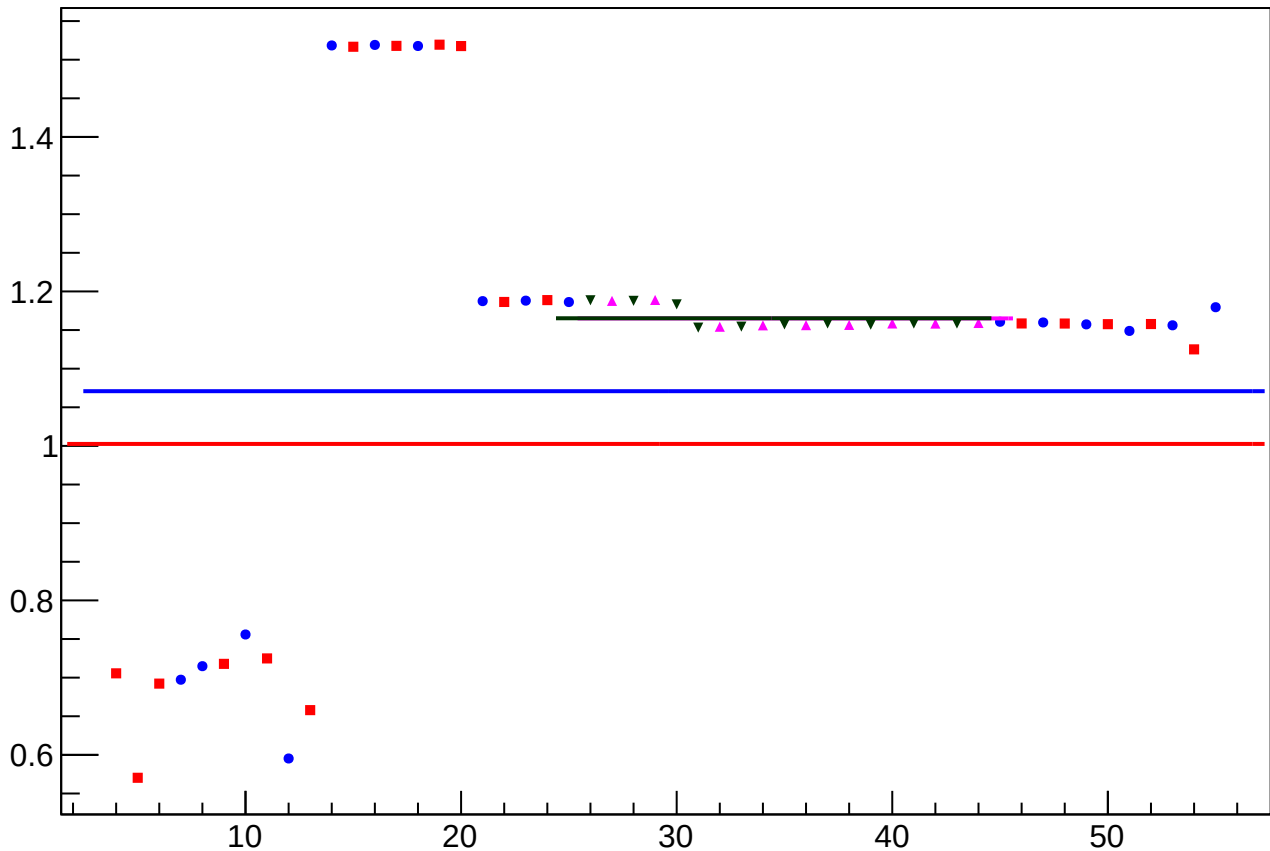
0.019+/-0.000 χ^2/NDF : 2634262.4/25

Right Out: 0.018+/-0.000 χ^2/NDF : 1782409.8/16

0.018+/-0.000 χ^2/NDF : 2333908.2/25

Left In: 0.020+/-0.000 χ^2/NDF : 482021.9/8

yield_bpm4eY_mean vs slug



Right In: 1.071+/-0.000 χ^2/NDF : 10460513630.1/15

Left Out: 1.165+/-0.000 χ^2/NDF :12143638.8/9

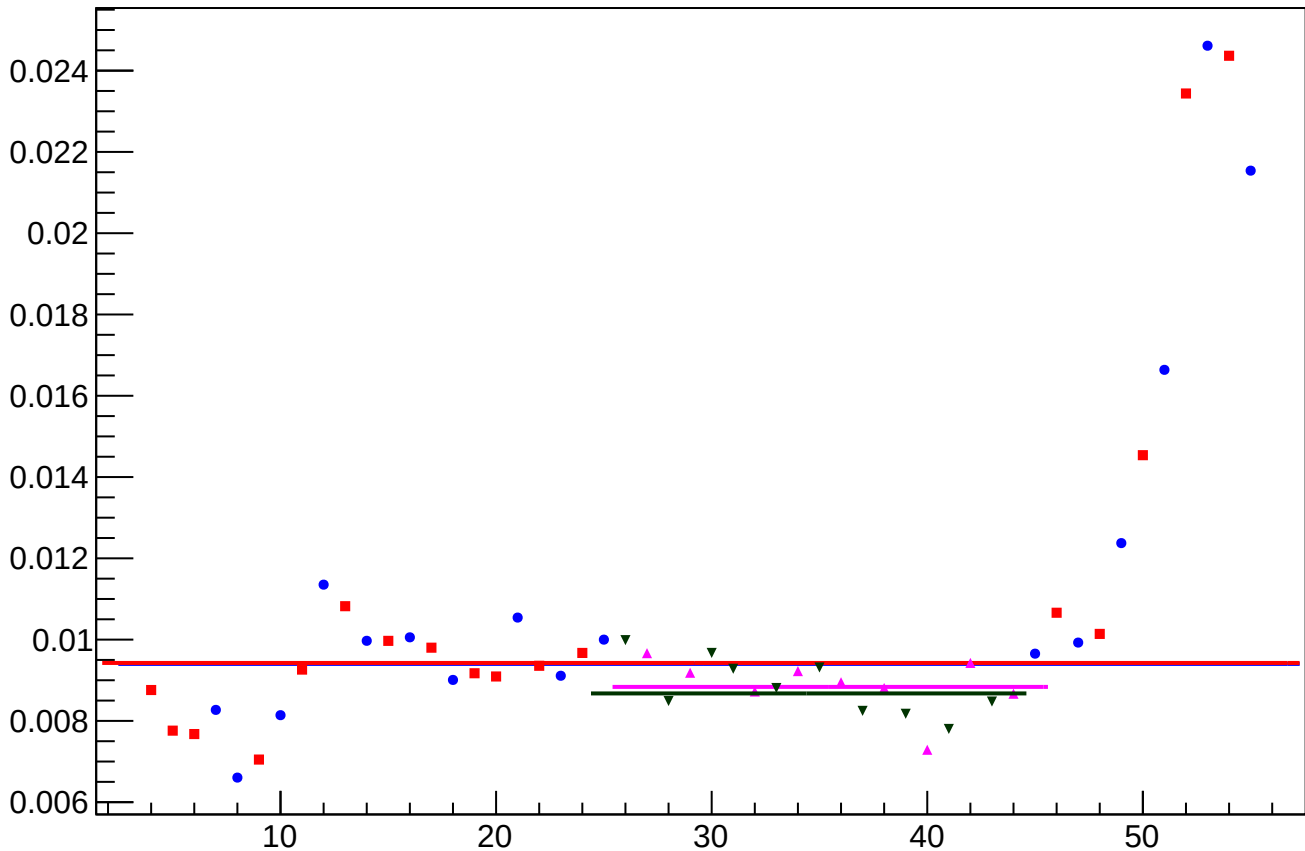
1.109+/-0.000 χ^2/NDF : 10830307866.7/25

Right Out: 1.003+/-0.000 χ^2/NDF : 10241916456.1/16

1.073+/-0.000 χ^2/NDF : 11286129164.6/25

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 : 1302243.3/15

Left Out: 0.009+/-0.000 χ^2/NDF : 57413.1/9

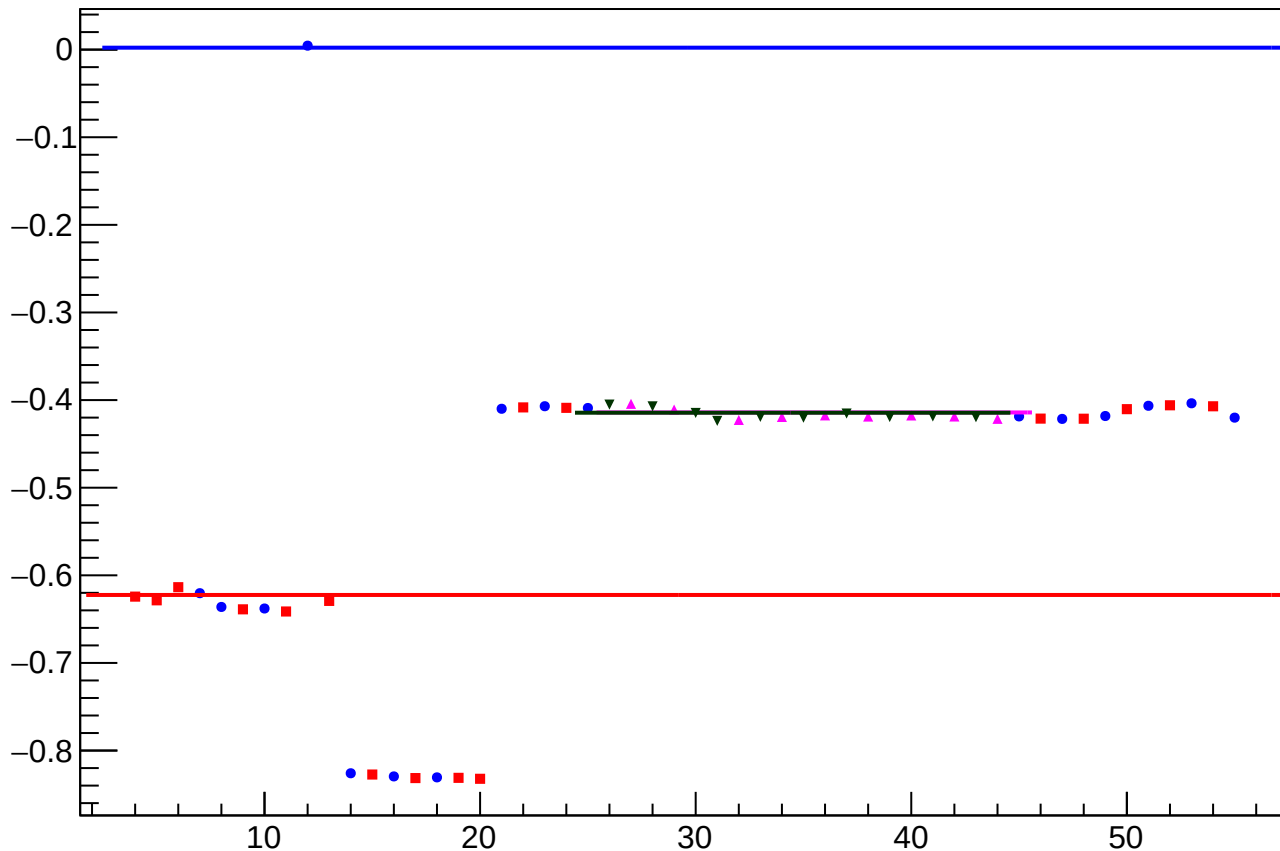
0.009+/-0.000 χ^2/NDF : 1402062.5/25

Right Out: 0.009+/-0.000 χ^2/NDF : 1109715.0/16

0.009+/-0.000 χ^2/NDF : 1200566.2/25

Left In: 0.009+/-0.000 χ^2/NDF : 63755.7/8

yield_bpm4acX_mean vs slug



Right In: 0.002+/-0.000 χ^2/NDF : 56921026233.3/15

Left Out: -0.414+/-0.000 χ^2/NDF : 2260145.2/9

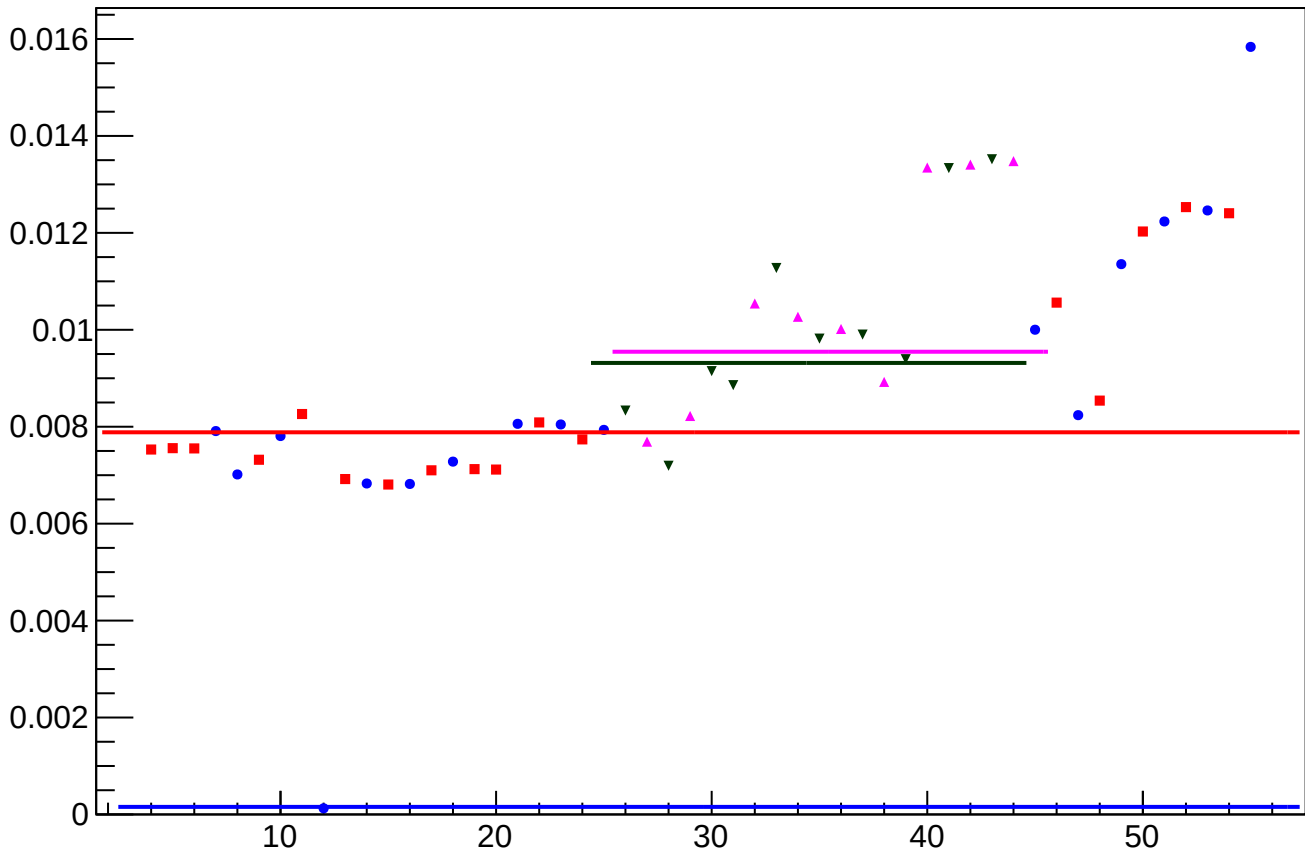
Right Out: -0.622+/-0.000 χ^2/NDF : 3334275215.8/16

Left In: -0.414+/-0.000 χ^2/NDF : 2651942.7/8

0.002+/-0.000 χ^2/NDF : 67025759039.8/25

-0.561+/-0.000 χ^2/NDF : 5122395887.7/25

yield_bpm4acX_rms vs slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 17861020.8/15

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:365508.7/9

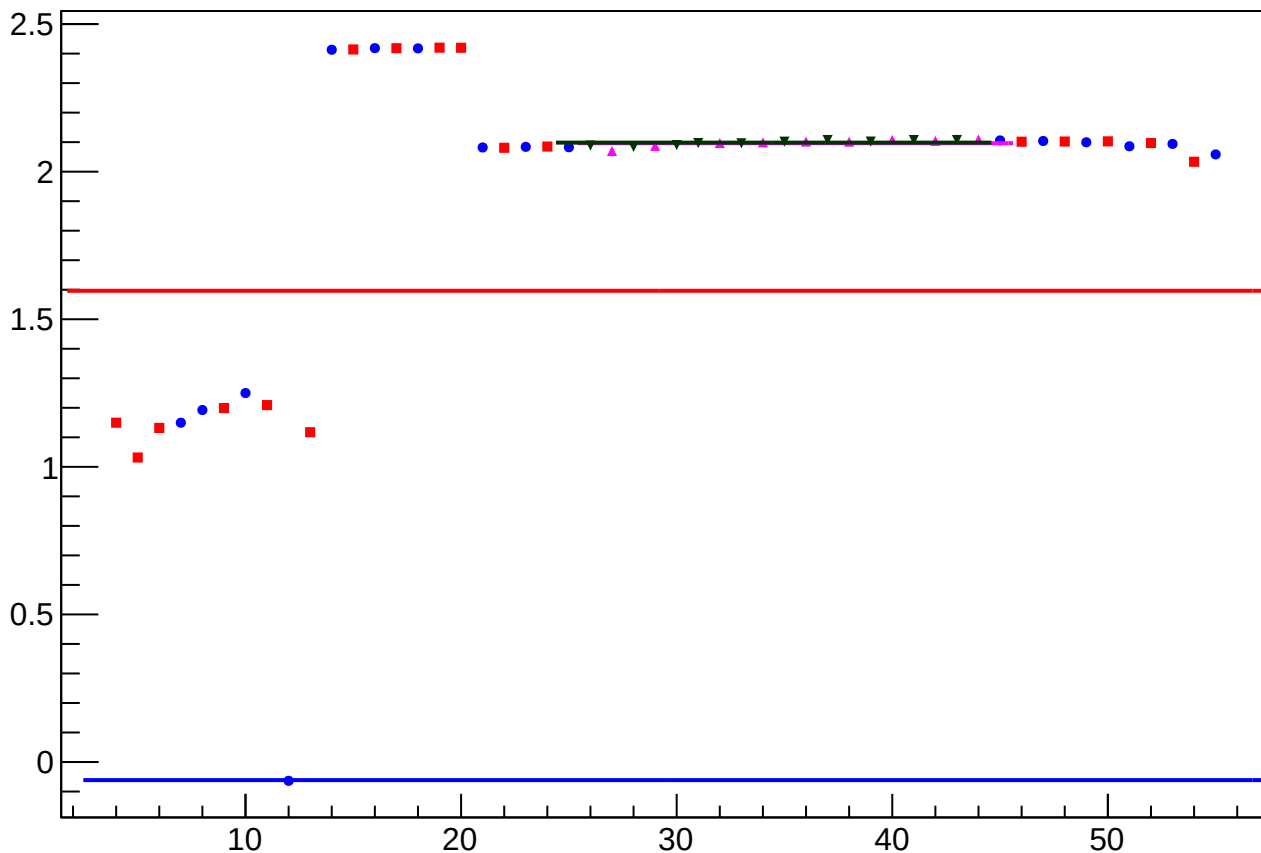
0.000 $\pm$ 0.000 χ^2 /NDF: 27993986.2/25

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 591824.8/16

0.008 $\pm$ 0.000 χ^2 /NDF: 1241036.5/25

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:421826.7/8

yield_bpm4acY_mean vs slug



Right In: -0.061±/0.000 χ^2/NDF : 167112386250.6/15

Left Out: 2.098±/0.000 χ^2/NDF : 2018647.6/9

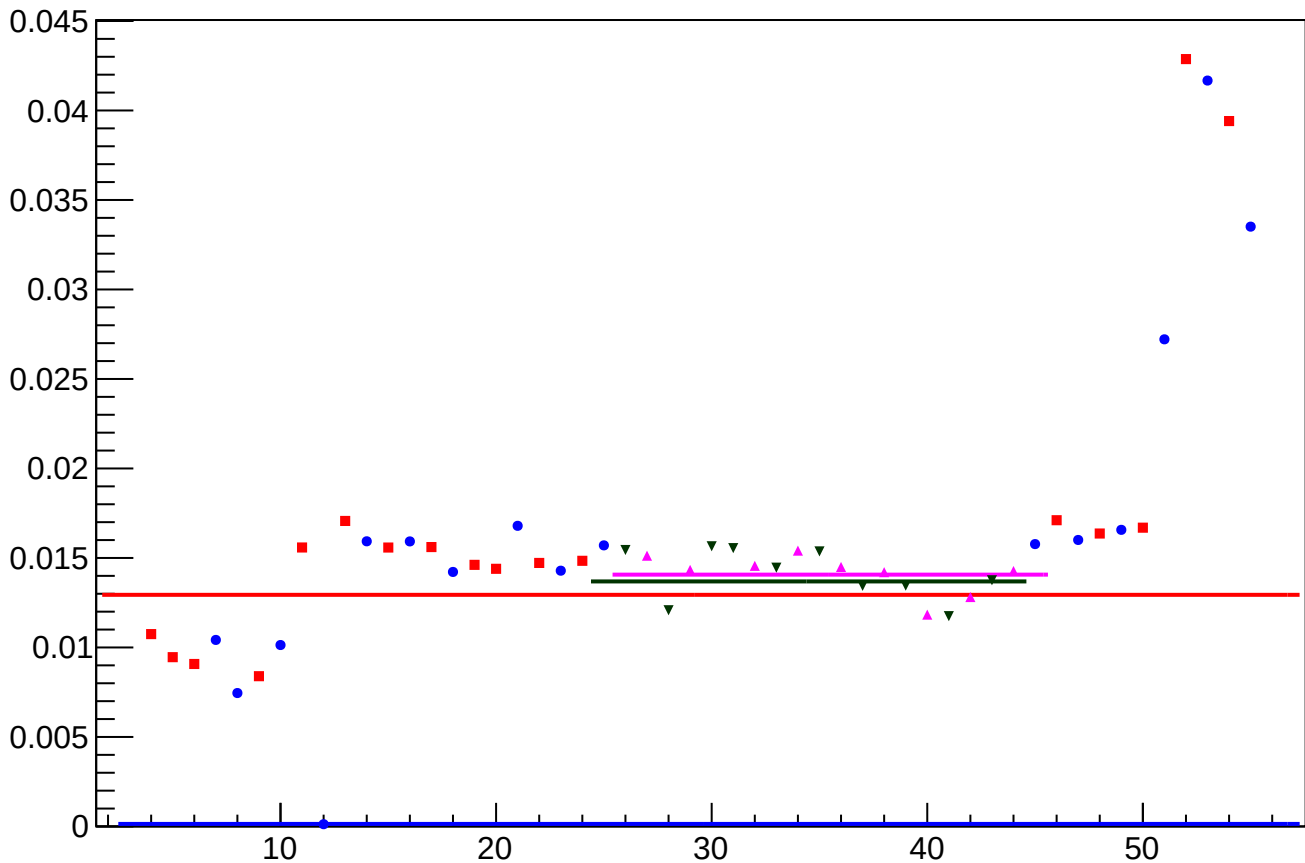
Right Out: 1.596±/0.000 χ^2/NDF : 13029582072.5/16

Left In: 2.096±/0.000 χ^2/NDF : 3992542.9/8

-0.060±/0.000 χ^2/NDF : 292419601377.6/25

1.786±/0.000 χ^2/NDF : 17314685055.9/25

yield_bpm4acY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 17267781.8/15

Left Out: 0.014+/-0.000 χ^2/NDF :106273.7/9

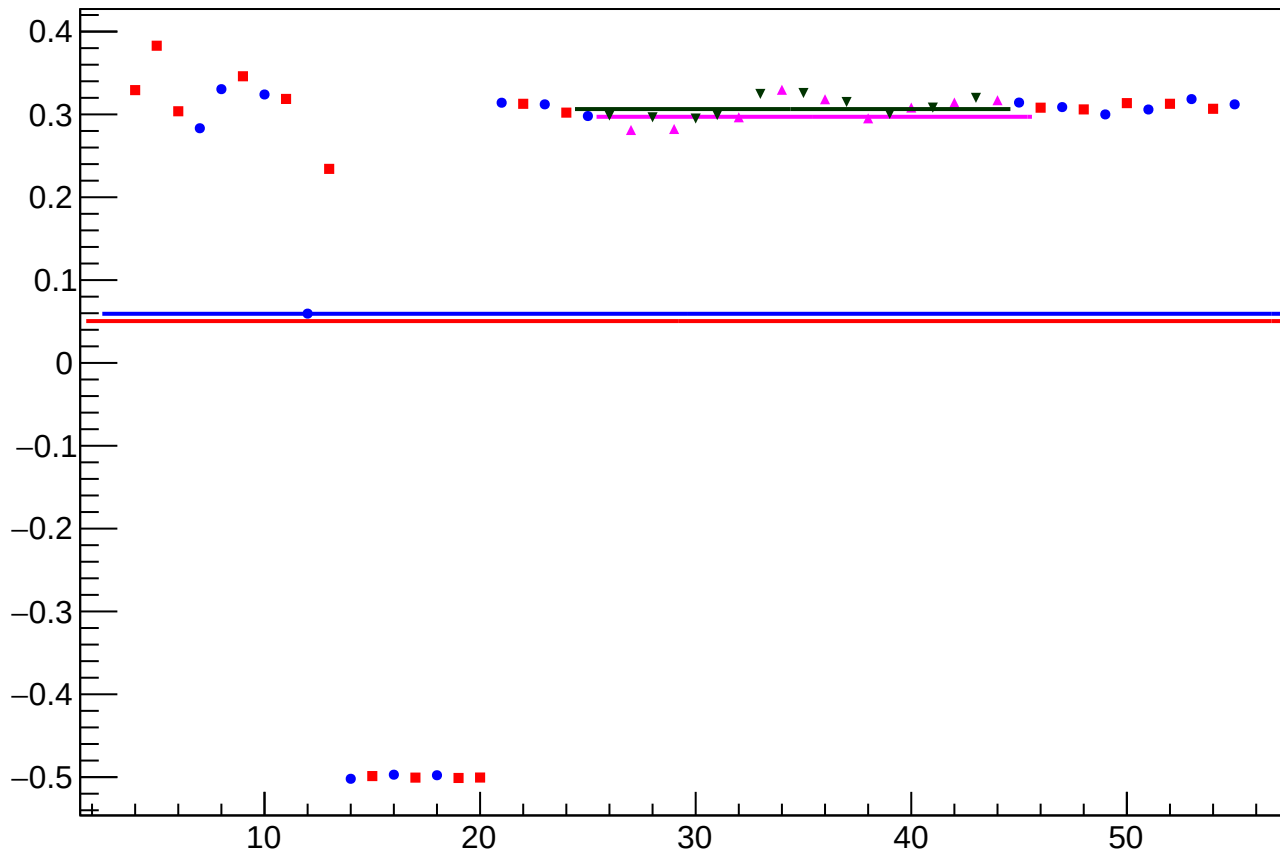
0.000+/-0.000 χ^2/NDF : 27234861.4/25

Right Out: 0.013+/-0.000 χ^2/NDF : 1993245.6/16

0.013+/-0.000 χ^2/NDF : 2100190.9/25

Left In: 0.014+/-0.000 χ^2/NDF :63357.4/8

yield_bpm4ecX_mean vs slug



Right In: 0.059 $\pm$ 0.000 χ^2/NDF : 3862832186.7/15

Left Out: 0.306 $\pm$ 0.000 χ^2/NDF :1355327.7/9

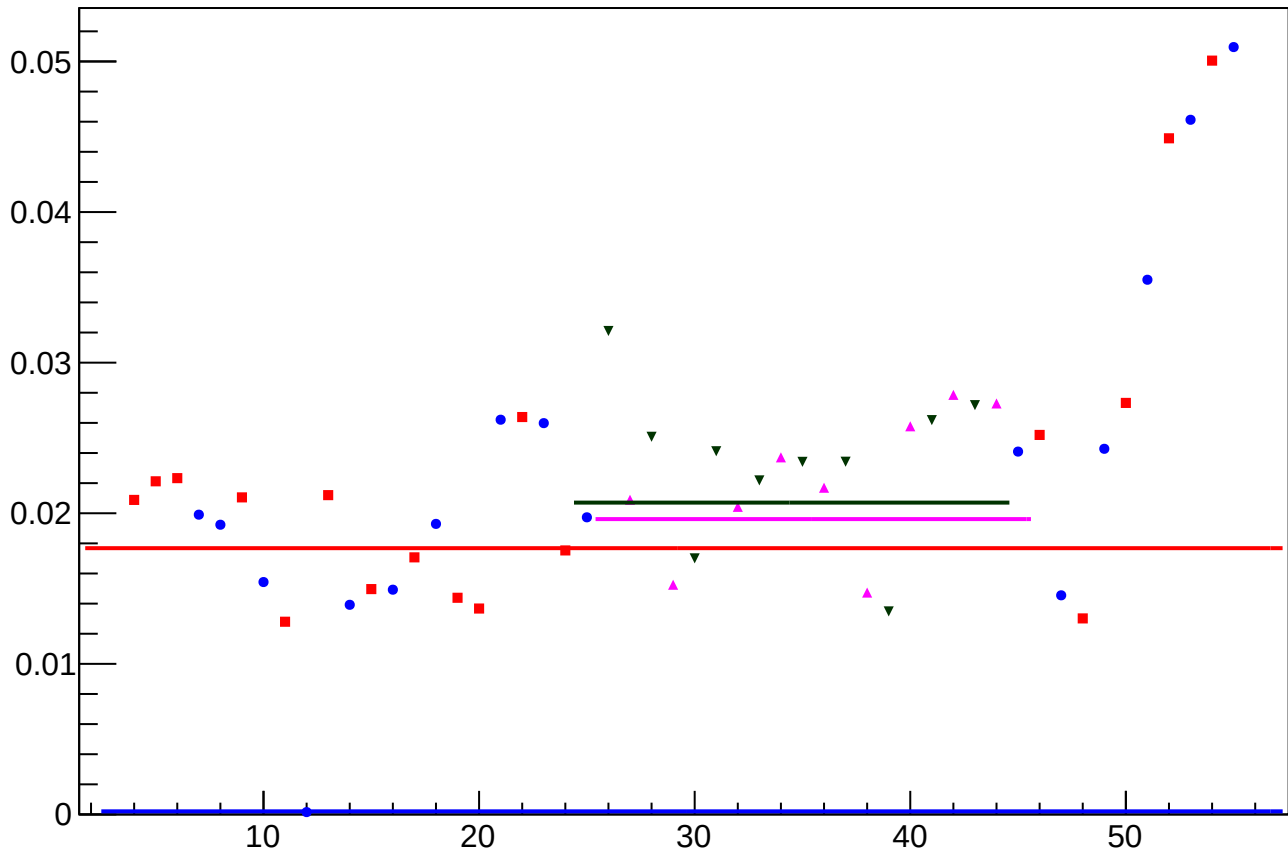
Right Out: 0.051 $\pm$ 0.000 χ^2/NDF : 3491325588.9/16

Left In: 0.297 $\pm$ 0.000 χ^2/NDF :3115046.5/8

0.060 $\pm$ 0.000 χ^2/NDF : 4536207292.0/25

0.136 $\pm$ 0.000 χ^2/NDF : 4013578386.3/25

yield_bpm4ecX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 17341782.9/15

Left Out: 0.021+/-0.000 χ^2/NDF : 655279.7/9

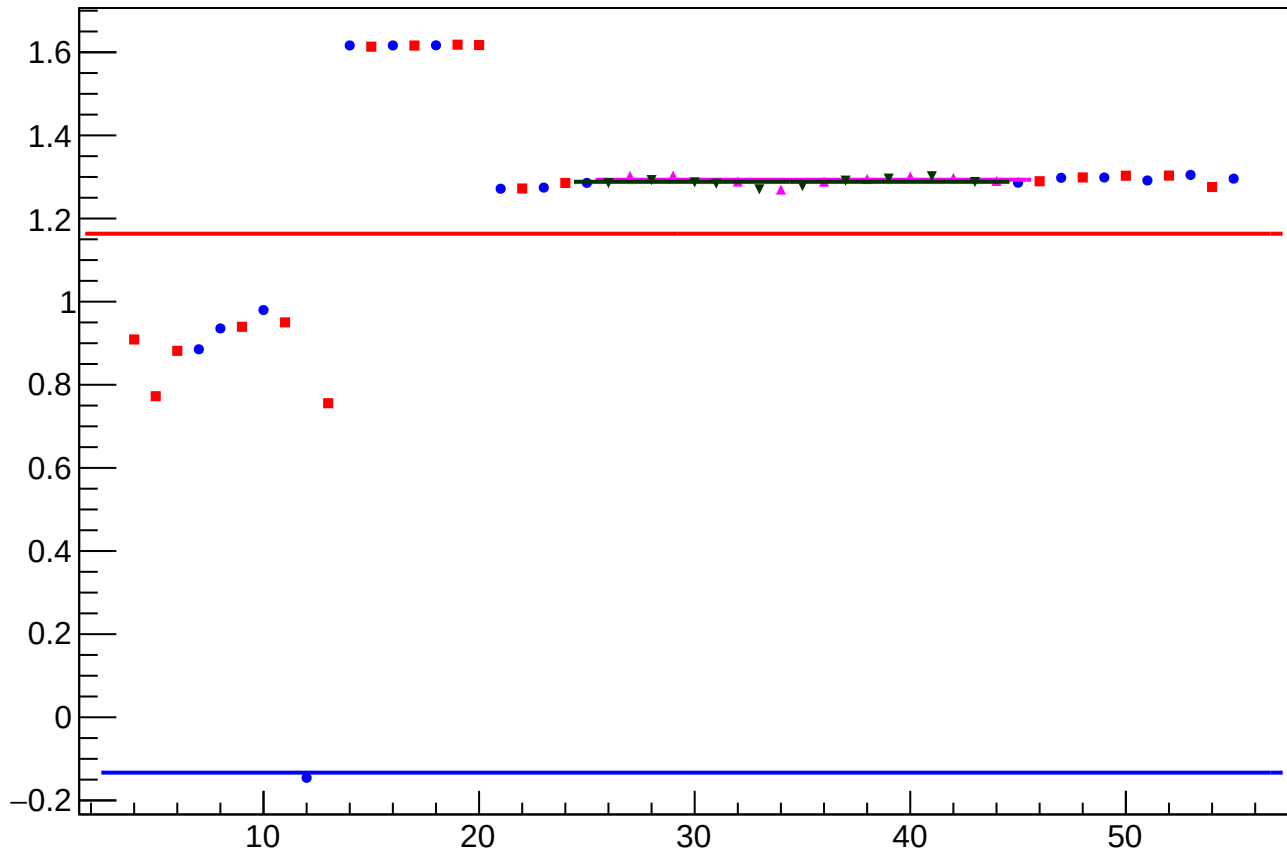
0.000+/-0.000 χ^2/NDF : 27245935.8/25

Right Out: 0.018+/-0.000 χ^2/NDF : 1727804.0/16

0.018+/-0.000 χ^2/NDF : 2284882.8/25

Left In: 0.020+/-0.000 χ^2/NDF : 493445.7/8

yield_bpm4ecY_mean vs slug



Right In: -0.133+/-0.000 χ^2/NDF : 164890177863.9/15

Left Out: 1.288+/-0.000 χ^2/NDF :3982202.6/9

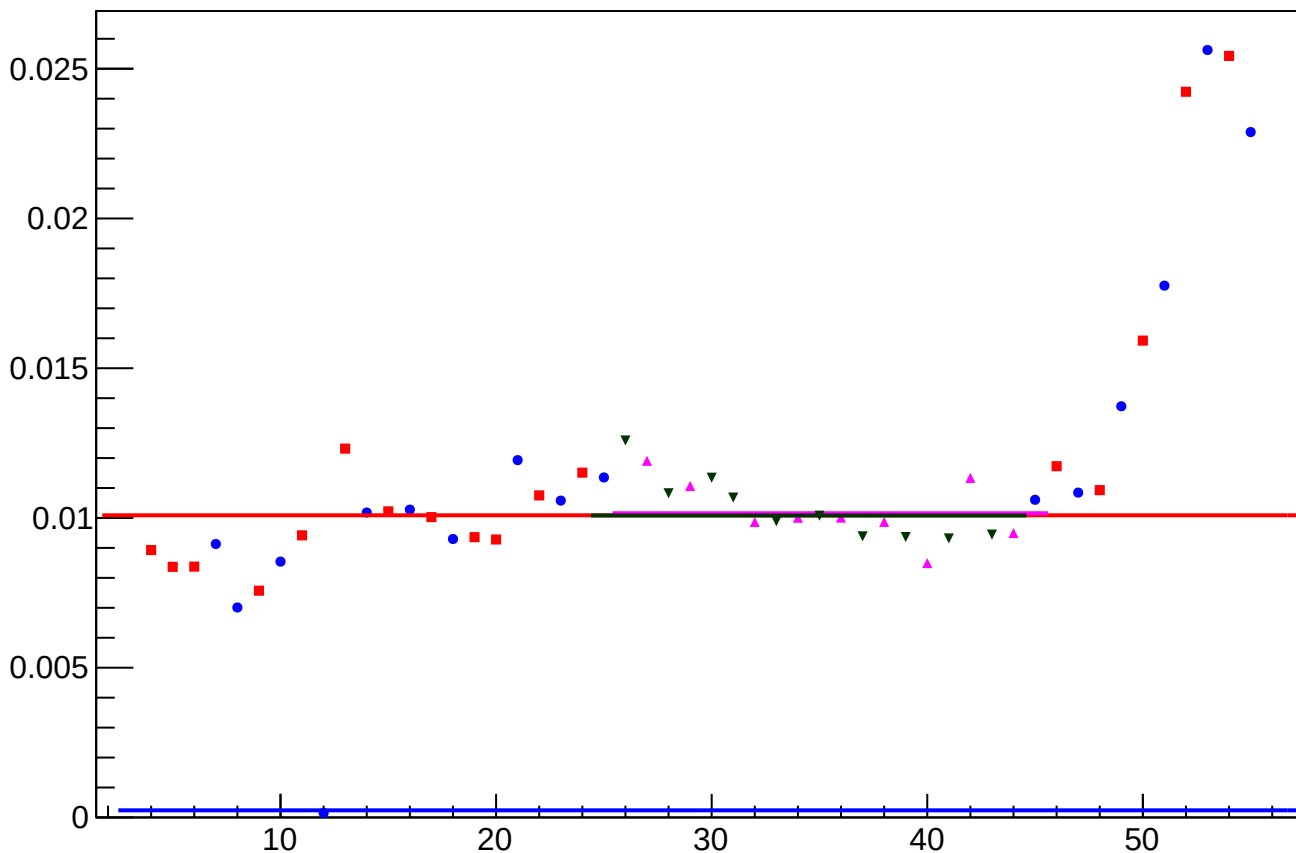
-0.126+/-0.000 χ^2/NDF : 265677459732.9/25

Right Out: 1.163+/-0.000 χ^2/NDF : 7231498967.4/16

1.216+/-0.000 χ^2/NDF : 7763166524.9/25

Left In: 1.293+/-0.000 χ^2/NDF :4686204.8/8

yield_bpm4ecY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 16984907.9/15

Left Out: 0.010+/-0.000 χ^2/NDF : 82741.5/9

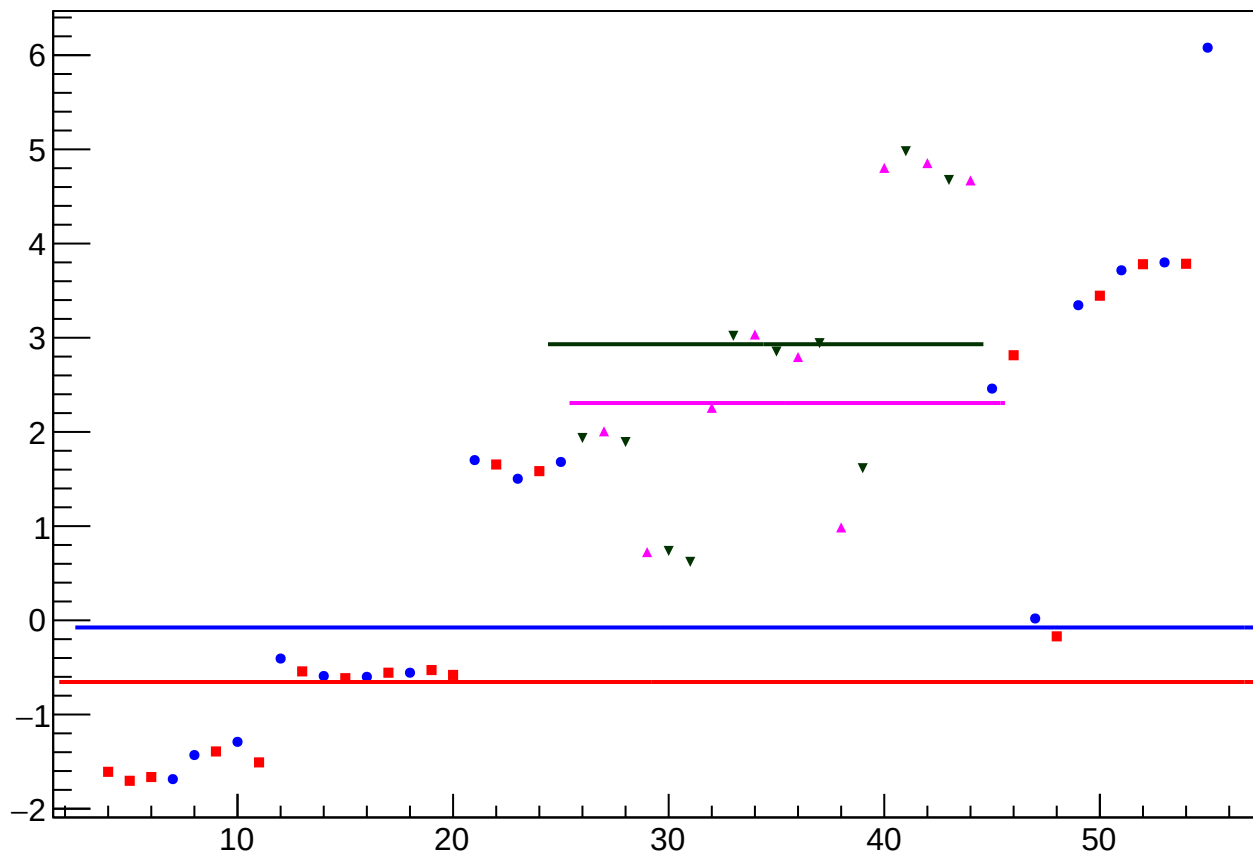
Right Out: 0.010+/-0.000 χ^2/NDF : 1144791.0/16

Left In: 0.010+/-0.000 χ^2/NDF : 100961.6/8

0.000+/-0.000 χ^2/NDF : 26732010.2/25

0.010+/-0.000 χ^2/NDF : 1246053.9/25

yield_bpm1X_mean vs slug



Right In: -0.076+/-0.000 χ^2/NDF : 16984407660.4/15

Left Out: 2.931+/-0.000 χ^2/NDF : 696767729.4/9

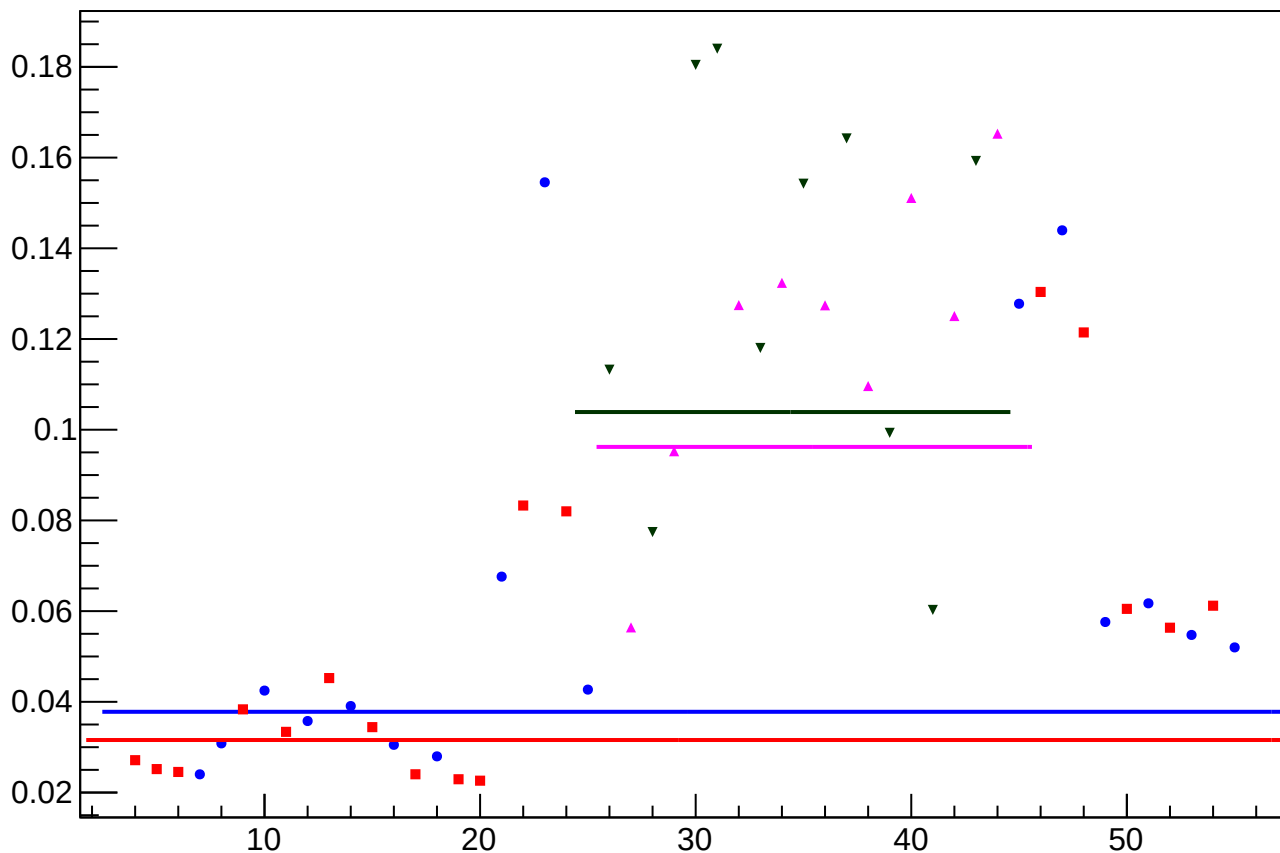
Right Out: -0.655+/-0.000 χ^2/NDF : 10394432325.6/16

Left In: 2.307+/-0.000 χ^2/NDF : 637059338.1/8

0.127+/-0.000 χ^2/NDF : 20438136802.8/25

-0.458+/-0.000 χ^2/NDF : 14435621350.6/25

yield_bpm1X_rms vs slug



Right In: 0.038+/-0.000 χ^2/NDF : 2594871.5/15

Left Out: 0.104+/-0.000 χ^2/NDF :1068598.5/9

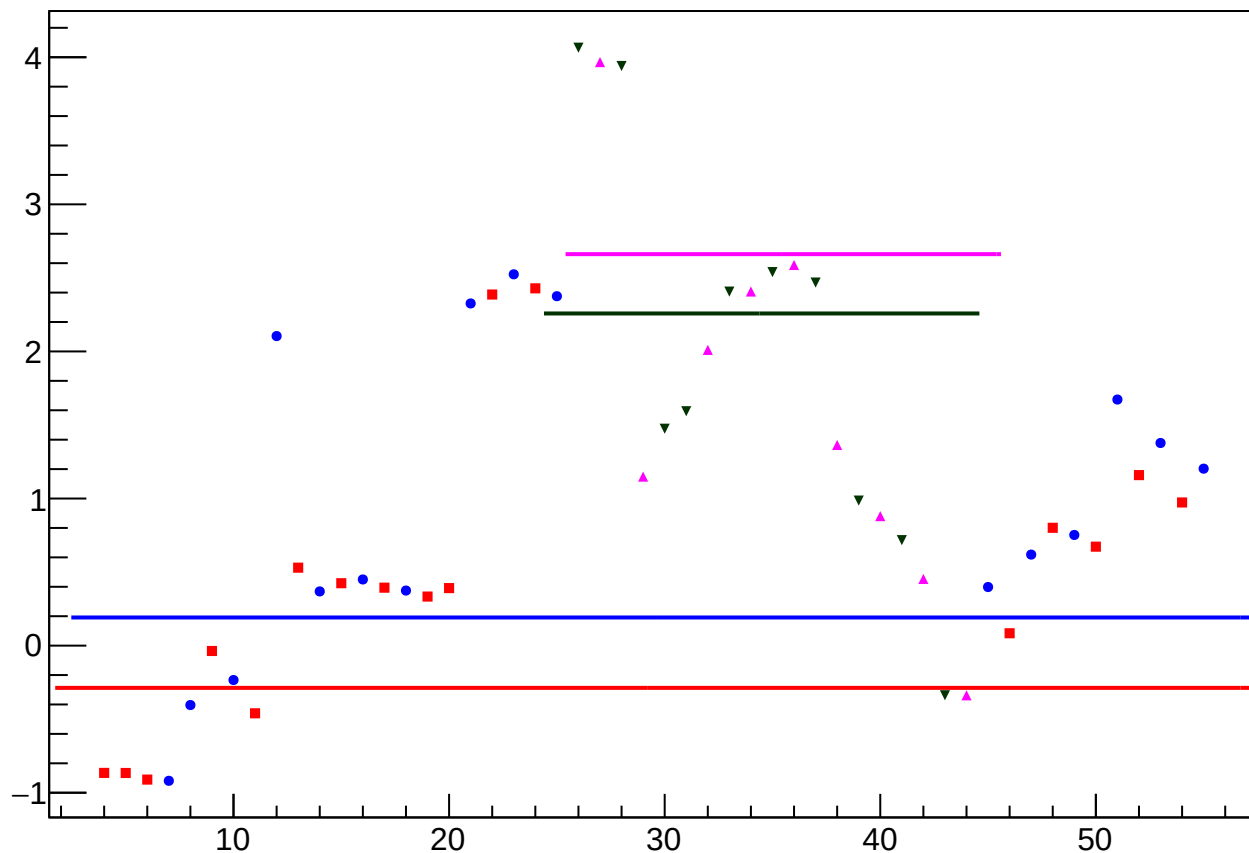
Right Out: 0.032+/-0.000 χ^2/NDF : 2500421.4/16

Left In: 0.096+/-0.000 χ^2/NDF :1062303.0/8

0.042+/-0.000 χ^2/NDF : 6327321.5/25

0.036+/-0.000 χ^2/NDF : 6804408.9/25

yield_bpm1Y_mean vs slug



Right In: 0.191 ± 0.000 χ^2/NDF : 9152243260.5/15

Left Out: 2.258 ± 0.000 χ^2/NDF : 1464188140.1/9

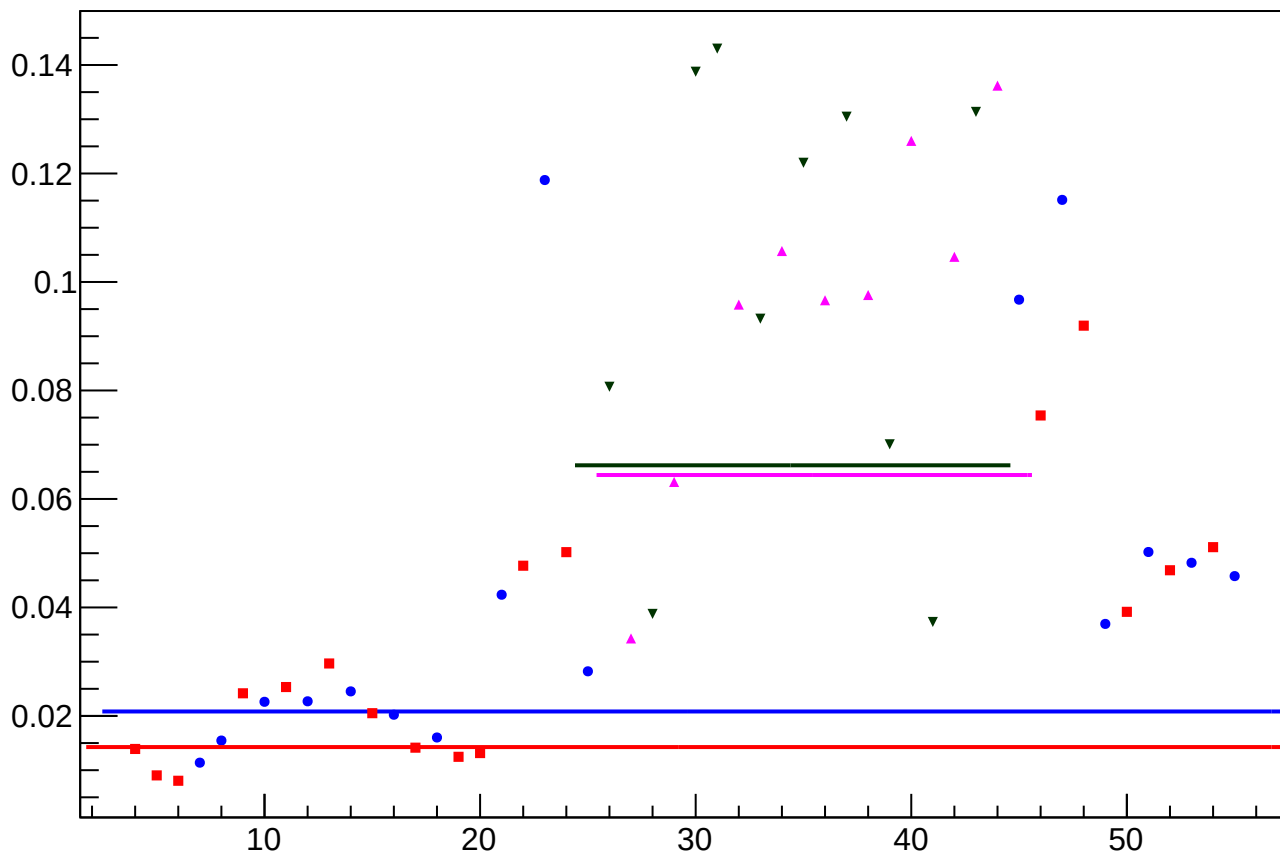
Right Out: -0.287 ± 0.000 χ^2/NDF : 10327567184.6/16

Left In: 2.661 ± 0.000 χ^2/NDF : 1577506308.7/8

0.301 ± 0.000 χ^2/NDF : 13327197483.7/25

-0.180 ± 0.000 χ^2/NDF : 18707332579.7/25

yield_bpm1Y_rms vs slug



Right In: 0.021+/-0.000 χ^2/NDF : 3706658.0/15

Left Out: 0.066+/-0.000 χ^2/NDF :1777792.9/9

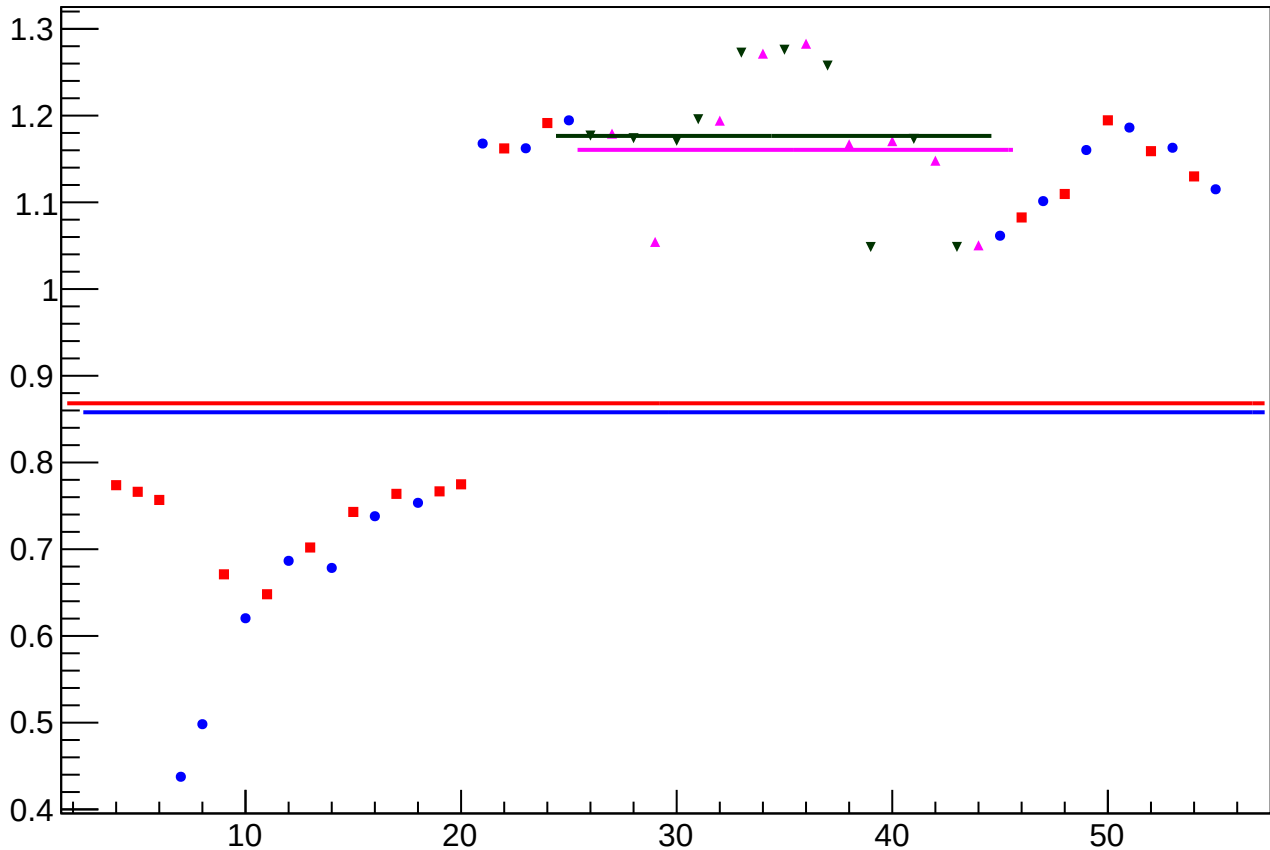
Right Out: 0.014+/-0.000 χ^2/NDF : 4081246.1/16

Left In: 0.064+/-0.000 χ^2/NDF :1800340.3/8

0.023+/-0.000 χ^2/NDF : 8098634.8/25

0.016+/-0.000 χ^2/NDF : 9817998.5/25

yield_bpm11X_mean vs slug



Right In: 0.858+/-0.000 χ^2/NDF : 1405347755.3/15

Left Out: 1.177+/-0.000 χ^2/NDF : 56492661.1/9

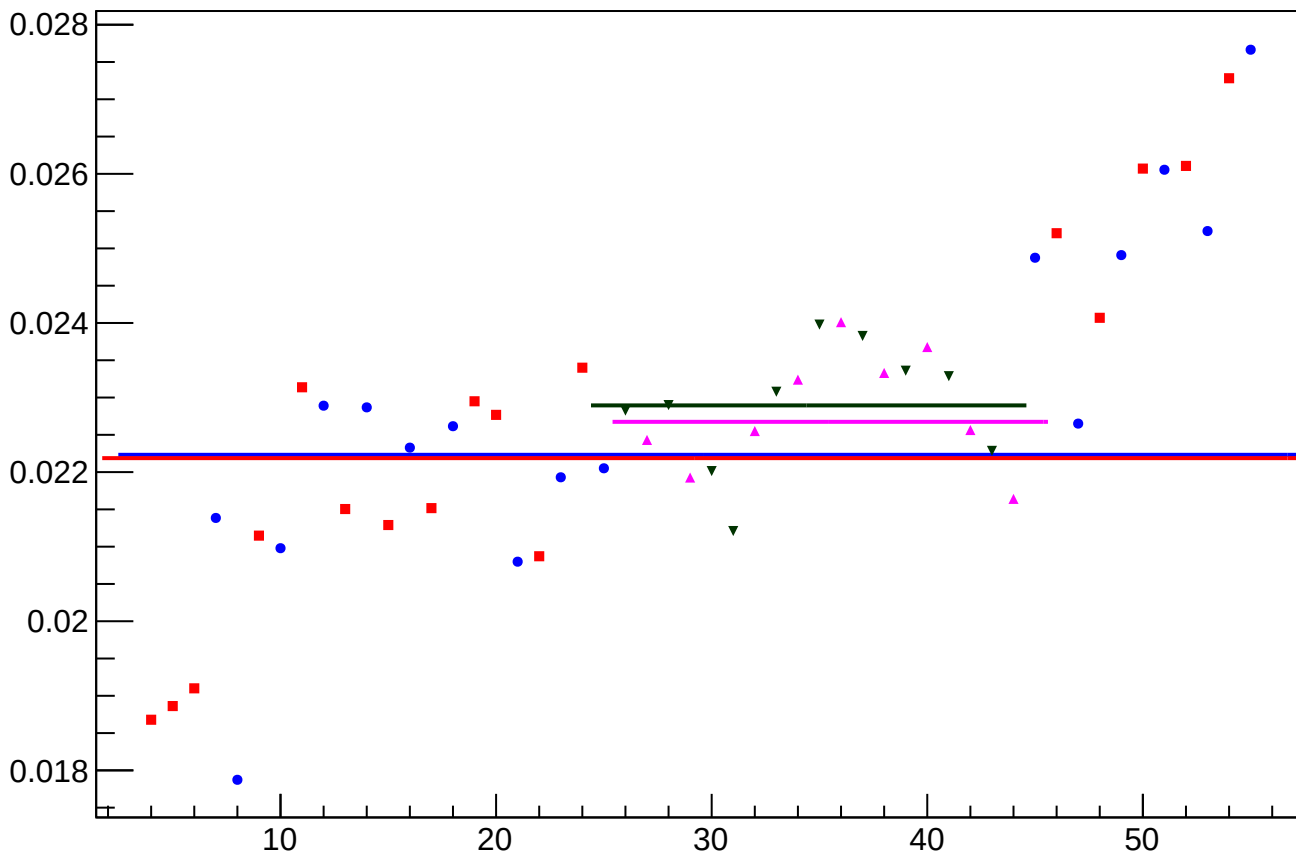
0.966+/-0.000 χ^2/NDF : 2122630607.6/25

Right Out: 0.868+/-0.000 χ^2/NDF : 725547709.9/16

0.979+/-0.000 χ^2/NDF : 1344580244.1/25

Left In: 1.161+/-0.000 χ^2/NDF : 58009580.0/8

yield_bpm11X_rms vs slug



Right In: 0.022+/-0.000 χ^2/NDF : 226871.7/15

Left Out: 0.023+/-0.000 χ^2/NDF :11436.5/9

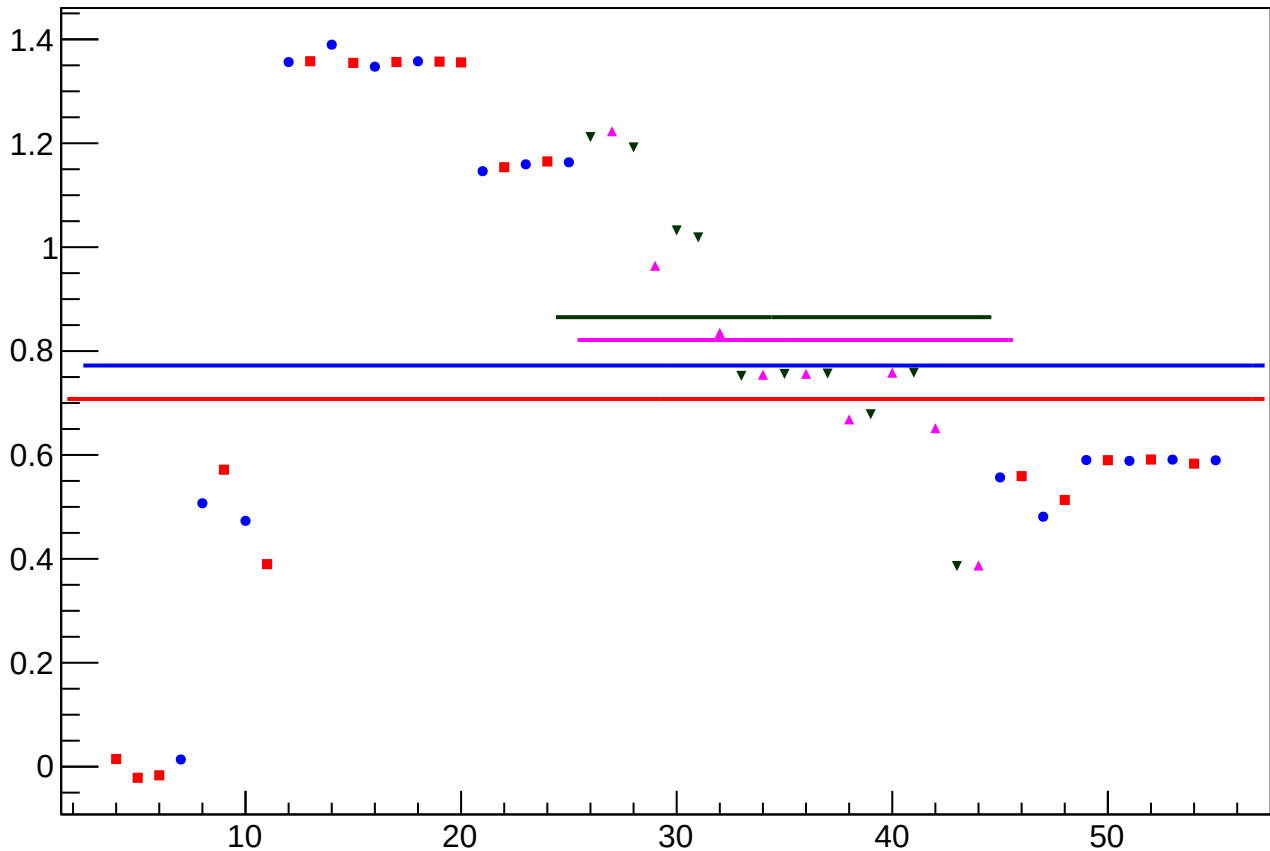
Right Out: 0.022+/-0.000 χ^2/NDF : 178557.1/16

Left In: 0.023+/-0.000 χ^2/NDF :10426.9/8

0.022+/-0.000 χ^2/NDF : 244023.5/25

0.022+/-0.000 χ^2/NDF : 192099.3/25

yield_bpm11Y_mean vs slug



Right In: 0.772+/-0.000 χ^2/NDF : 117490381119.7/15

Left Out: 0.865+/-0.000 χ^2/NDF :19769026573.0/9

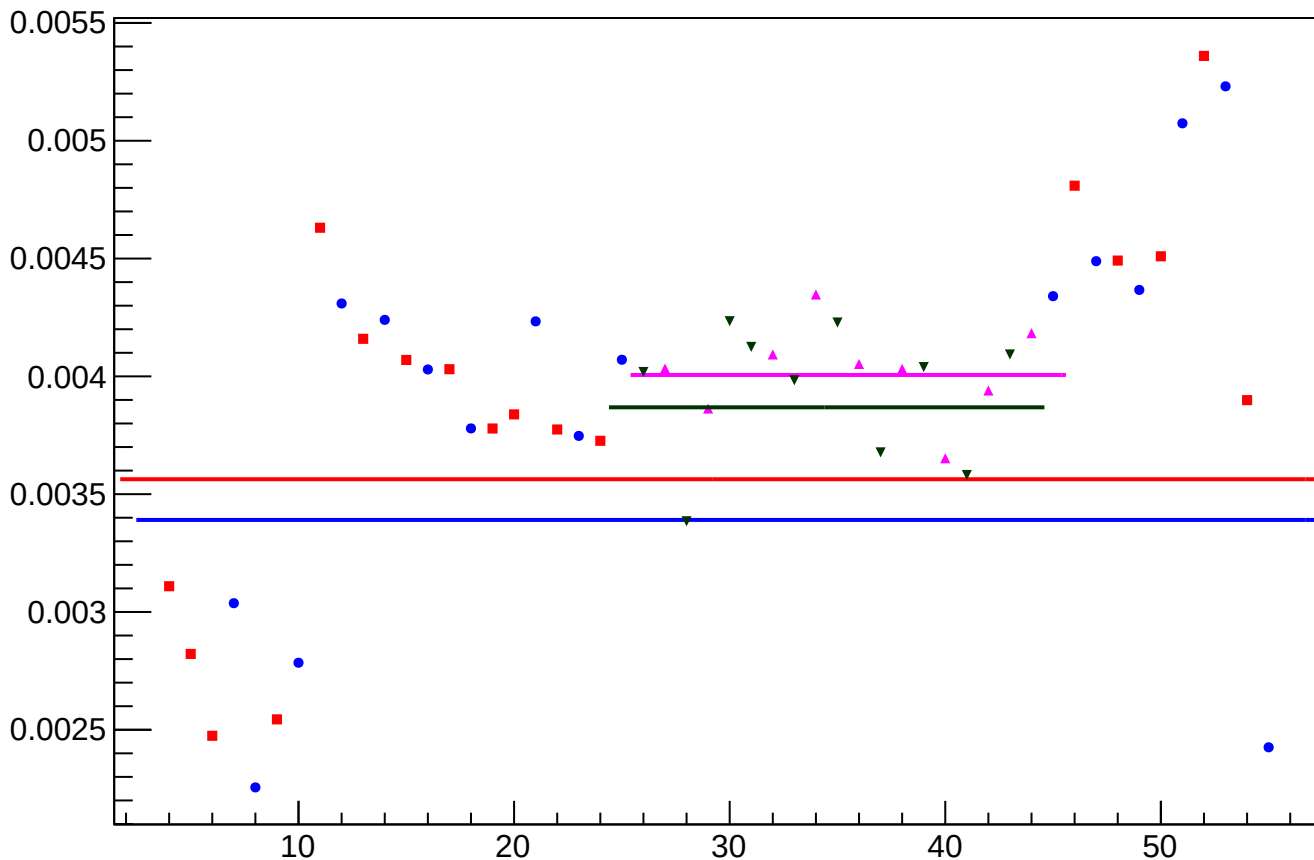
0.800+/-0.000 χ^2/NDF : 139291147240.5/25

Right Out: 0.708+/-0.000 χ^2/NDF : 166084737234.8/16

0.747+/-0.000 χ^2/NDF : 185880349487.9/25

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 : 1357471.0/15

Left Out: 0.004+/-0.000 χ^2/NDF :59617.0/9

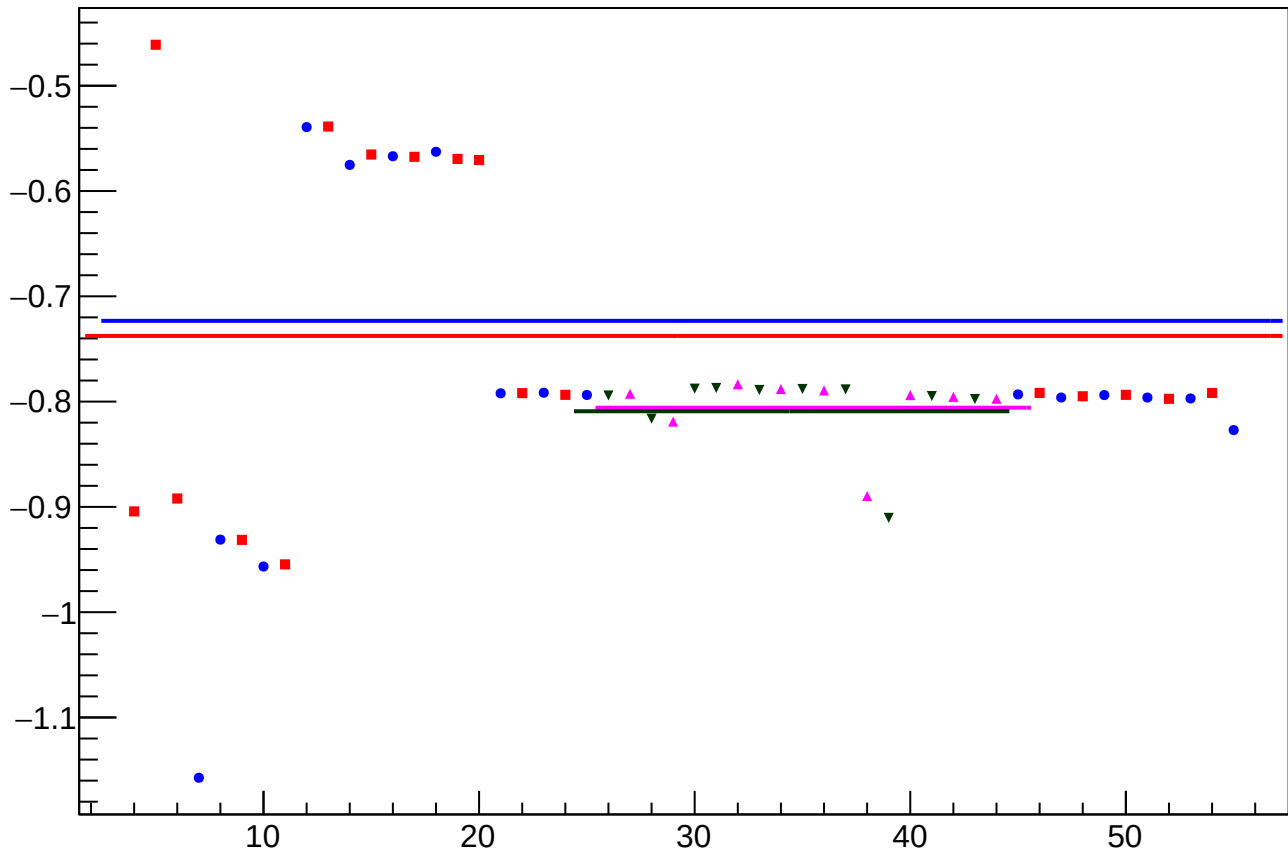
Right Out: 0.004+/-0.000 χ^2/NDF : 899455.8/16

Left In: 0.004+/-0.000 χ^2/NDF :20484.3/8

0.004+/-0.000 χ^2/NDF : 1524244.5/25

0.004+/-0.000 χ^2/NDF : 1007095.4/25

yield_bpm12X_mean vs slug



Right In: -0.723+/-0.000 χ^2/NDF : 2235248555.0/15

Left Out: -0.809+/-0.000 χ^2/NDF : 119027161.1/9

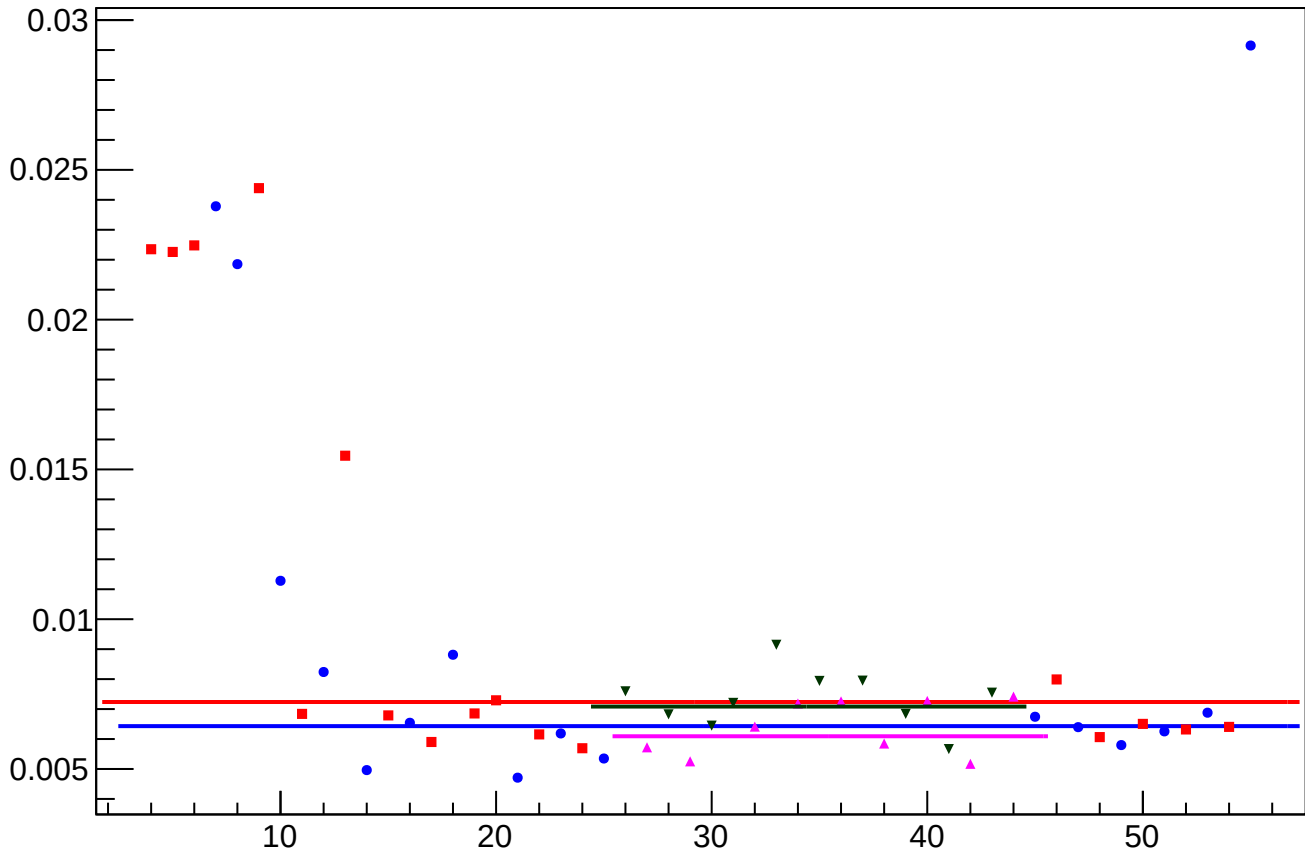
Right Out: -0.738+/-0.000 χ^2/NDF : 1908909228.9/16

Left In: -0.806+/-0.000 χ^2/NDF : 95429738.5/8

-0.752+/-0.000 χ^2/NDF : 2739732959.2/25

-0.771+/-0.000 χ^2/NDF : 2259937918.1/25

yield_bpm12X_rms vs slug



Right In: 0.006 ± 0.000 χ^2/NDF : 2475537.5/15

Left Out: 0.007 ± 0.000 χ^2/NDF : 128168.7/9

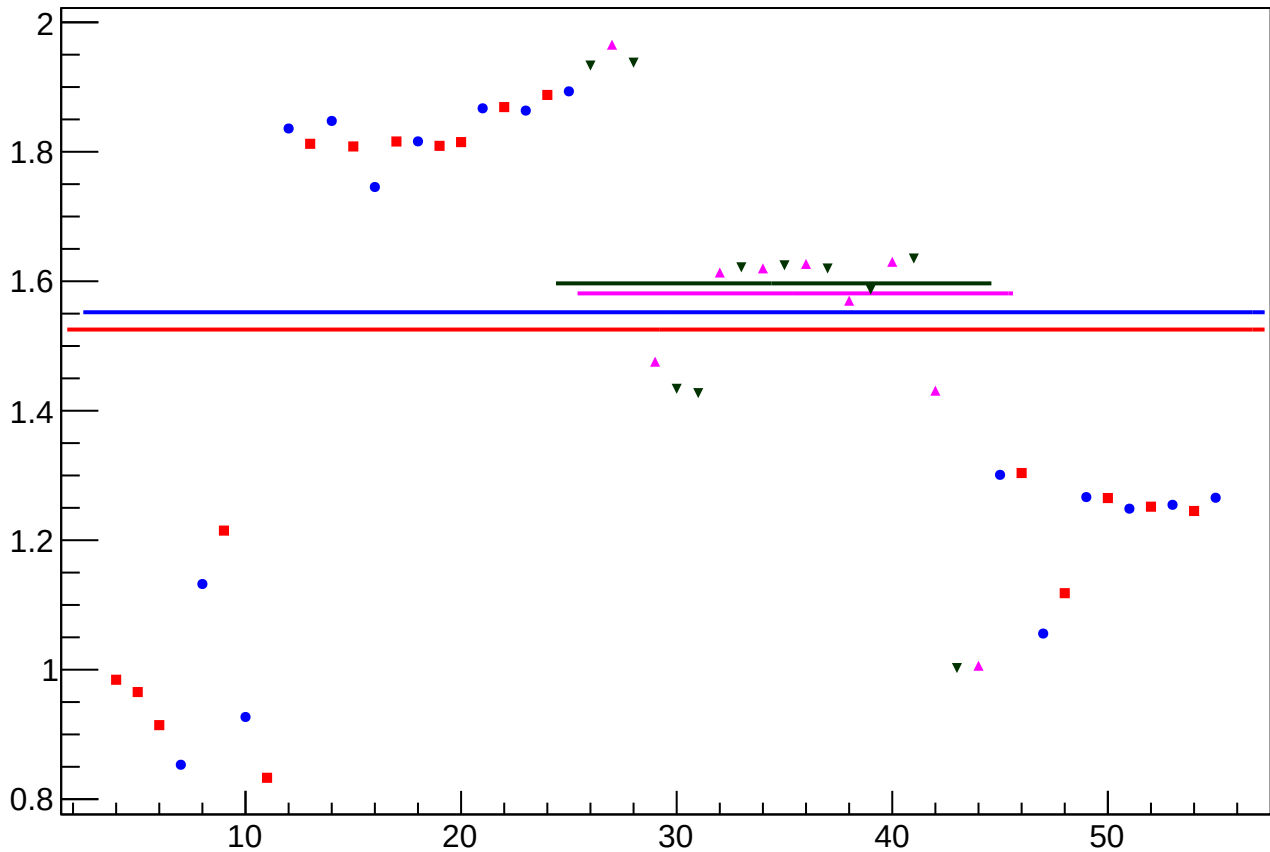
0.007 ± 0.000 χ^2/NDF : 2648370.8/25

Right Out: 0.007 ± 0.000 χ^2/NDF : 2379095.3/16

0.007 ± 0.000 χ^2/NDF : 2665314.5/25

Left In: 0.006 ± 0.000 χ^2/NDF : 142266.3/8

yield_bpm12Y_mean vs slug



Right In: 1.552 $\pm$ 0.000 χ^2 /NDF: 20969176854.4/15

Left Out: 1.597 $\pm$ 0.000 χ^2 /NDF: 6672070685.1/9

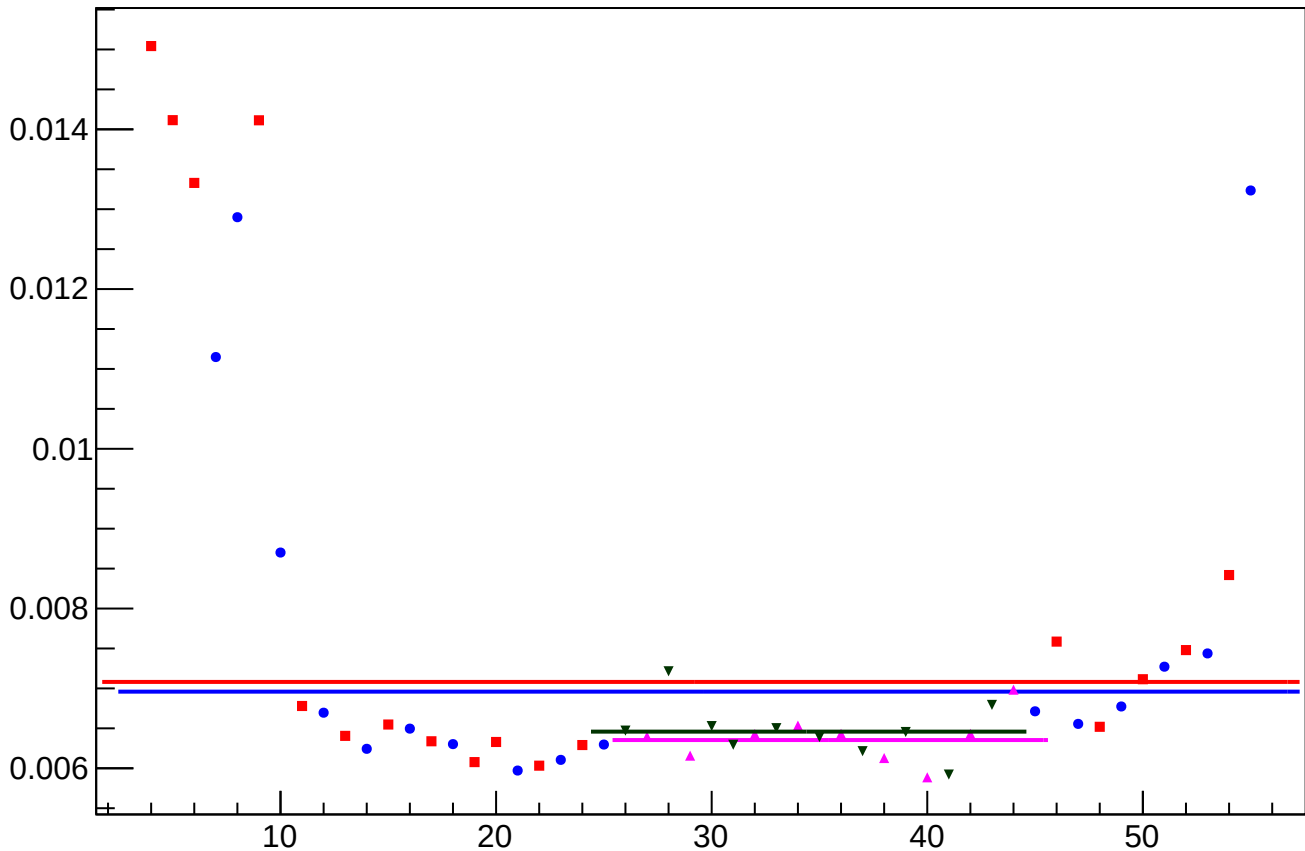
1.570 $\pm$ 0.000 χ^2 /NDF: 27783051151.5/25

Right Out: 1.525 $\pm$ 0.000 χ^2 /NDF: 21270409442.6/16

1.551 $\pm$ 0.000 χ^2 /NDF: 28245364045.2/25

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 : 845859.3/15

Left Out: 0.006+/-0.000 χ^2/NDF :26704.2/9

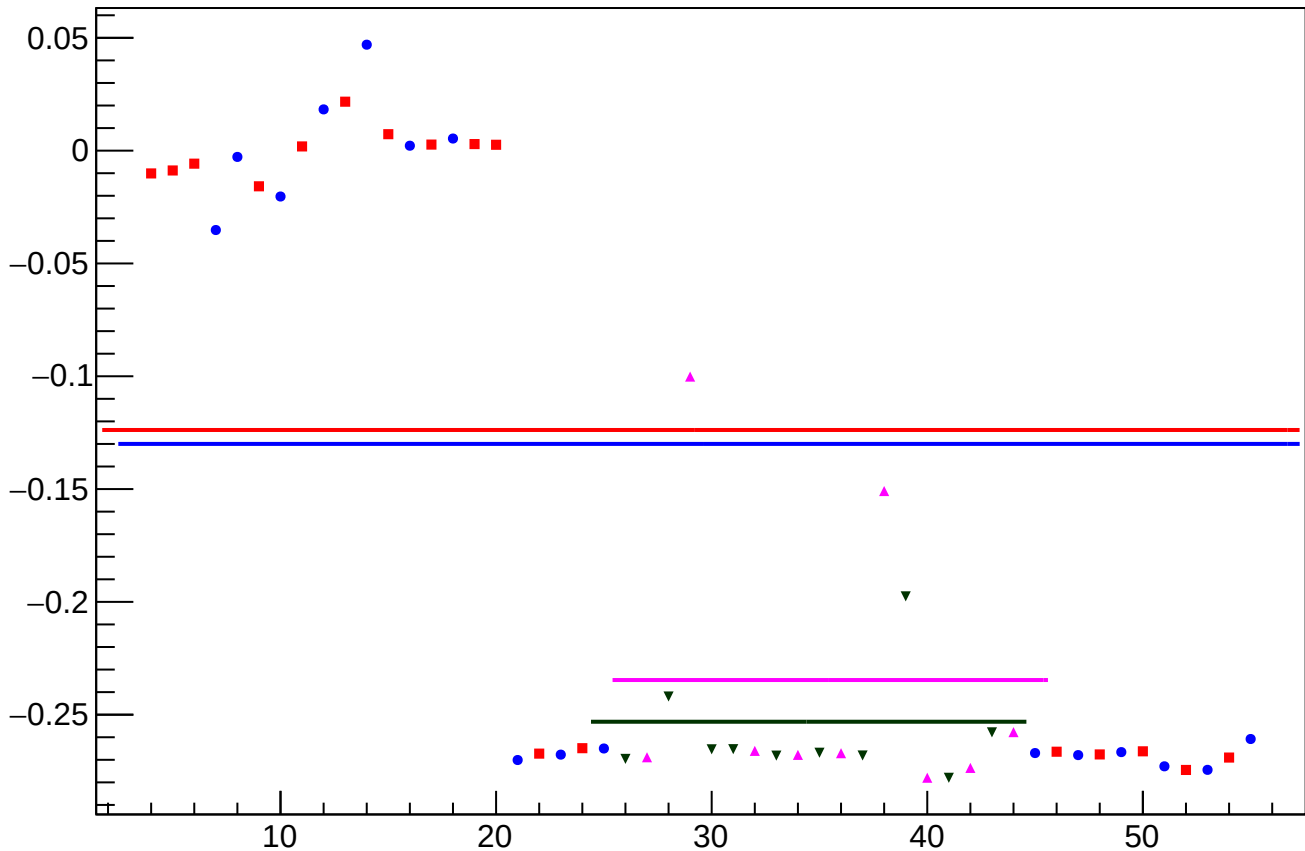
Right Out: 0.007+/-0.000 χ^2/NDF : 1013602.3/16

Left In: 0.006+/-0.000 χ^2/NDF :17689.1/8

0.007+/-0.000 χ^2/NDF : 908271.6/25

0.007+/-0.000 χ^2/NDF : 1105318.6/25

yield_bpm16X_mean vs slug



Right In: -0.130+/-0.000 χ^2/NDF : 6899169312.1/15

Left Out: -0.253+/-0.000 χ^2/NDF : 114103318.3/9

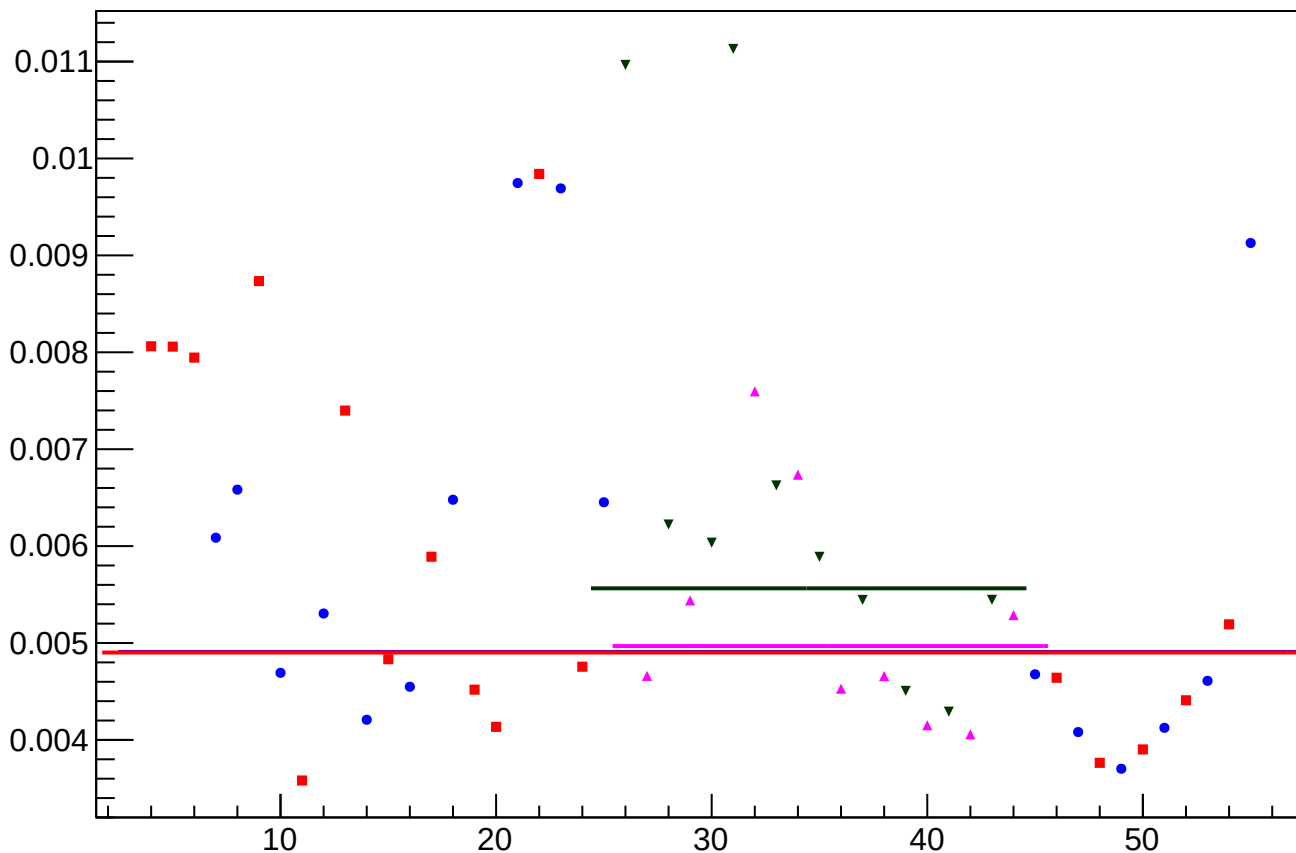
-0.166+/-0.000 χ^2/NDF : 8559561388.5/25

Right Out: -0.124+/-0.000 χ^2/NDF : 5651320432.5/16

-0.167+/-0.000 χ^2/NDF : 7906237544.2/25

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 : 1347538.0/15

Left Out: 0.006+/-0.000 χ^2/NDF : 608011.7/9

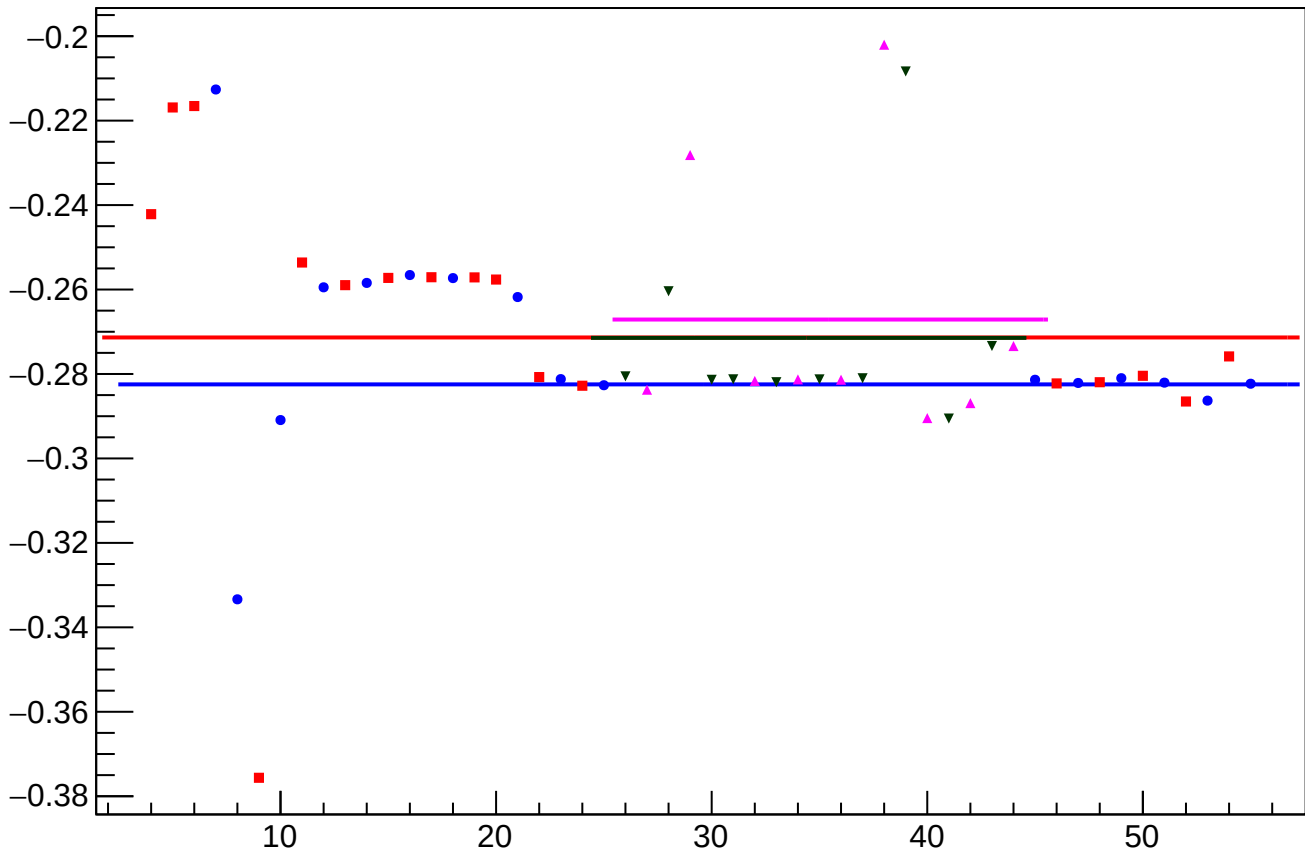
Right Out: 0.005+/-0.000 χ^2/NDF : 1419416.1/16

Left In: 0.005+/-0.000 χ^2/NDF : 366477.9/8

0.005+/-0.000 χ^2/NDF : 2043434.0/25

0.005+/-0.000 χ^2/NDF : 1786962.1/25

yield_bpm16Y_mean vs slug



Right In: -0.282+/-0.000 χ^2/NDF : 1067810348.1/15

Left Out: -0.271+/-0.000 χ^2/NDF : 349277523.0/9

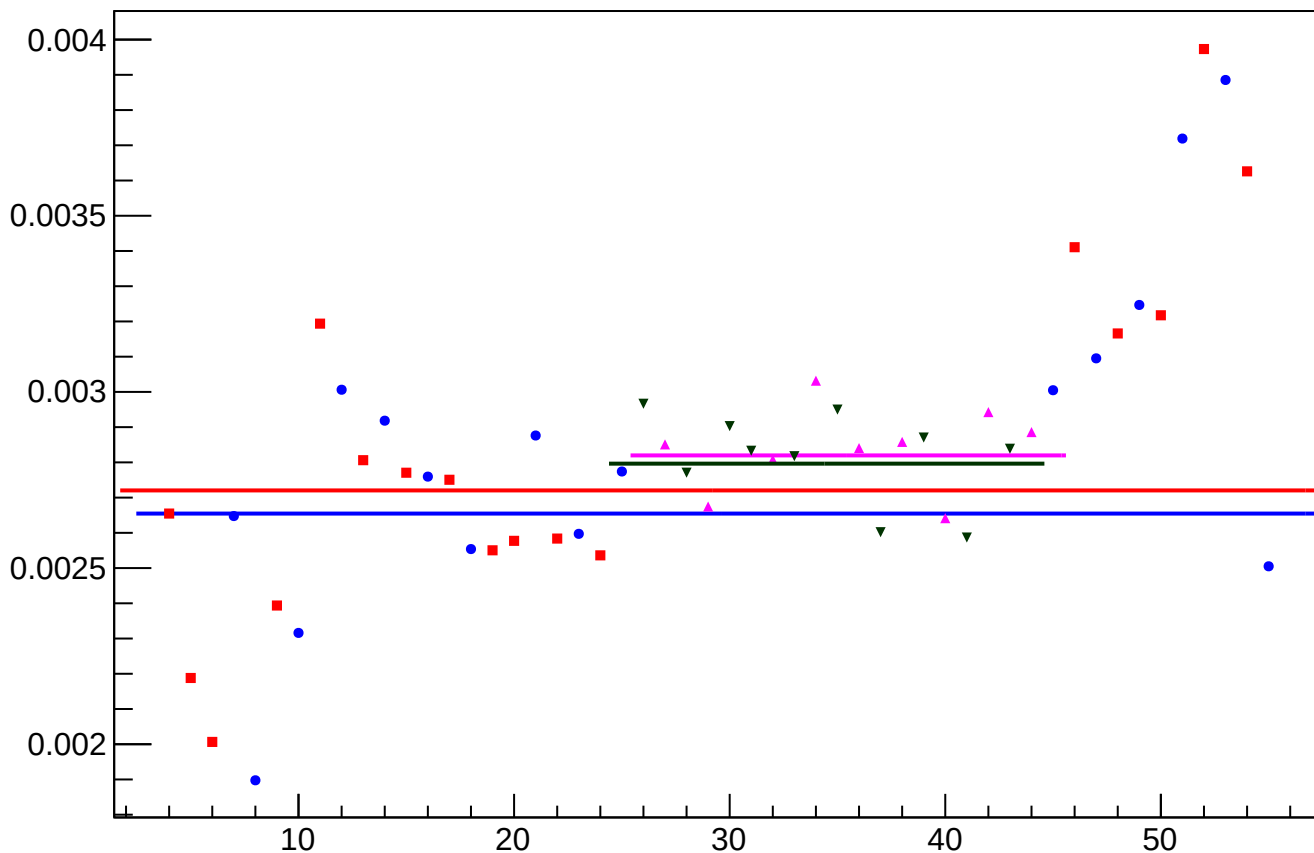
-0.279+/-0.000 χ^2/NDF : 1470327163.0/25

Right Out: -0.271+/-0.000 χ^2/NDF : 1962835913.2/16

-0.270+/-0.000 χ^2/NDF : 2524186681.9/25

Left In: -0.267+/-0.000 χ^2/NDF : 553669253.3/8

yield_bpm16Y_rms vs slug



Right In: 0.003 ± 0.000 $\chi^2/\text{NDF}: 627724.4/15$

Left Out: 0.003 ± 0.000 $\chi^2/\text{NDF}: 22003.3/9$

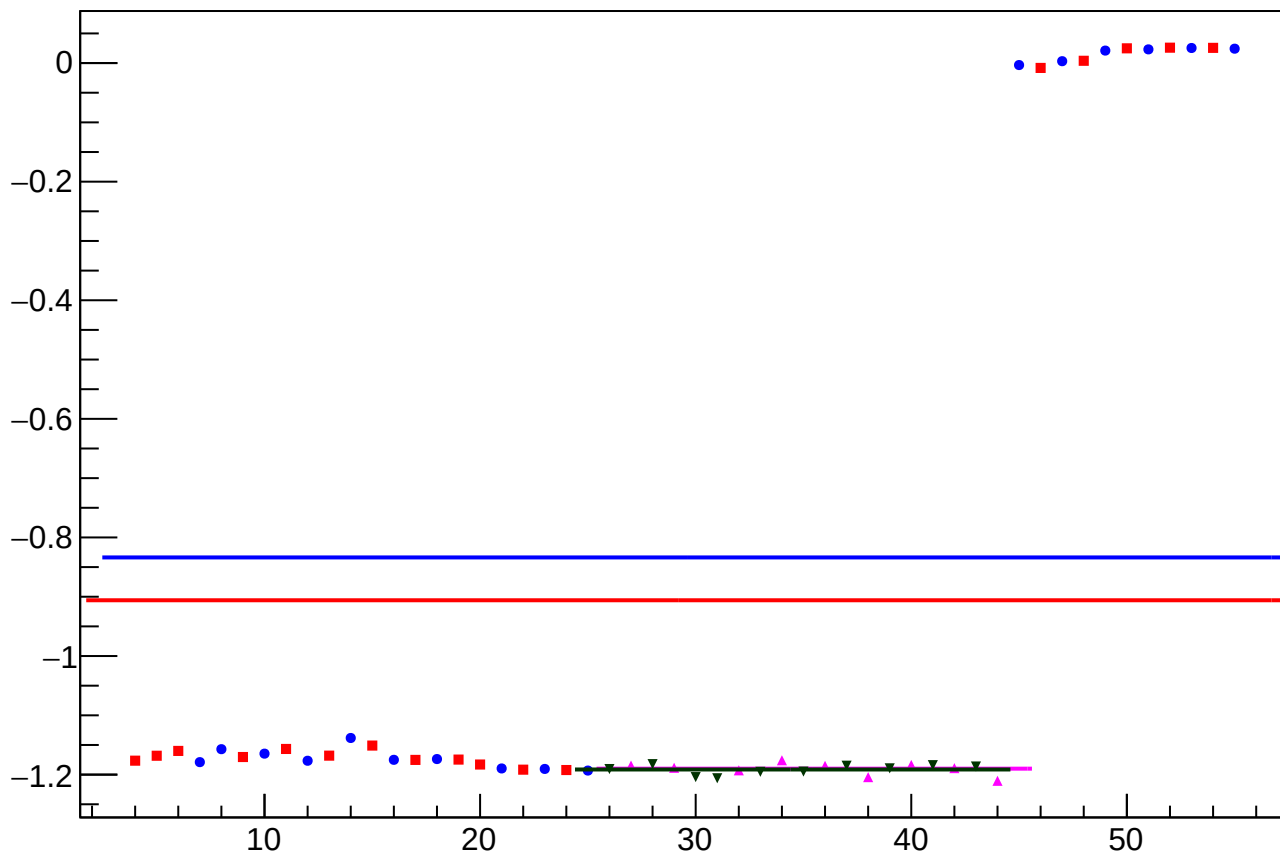
Right Out: 0.003 ± 0.000 $\chi^2/\text{NDF}: 472750.6/16$

Left In: 0.003 ± 0.000 $\chi^2/\text{NDF}: 16488.2/8$

0.003 ± 0.000 $\chi^2/\text{NDF}: 667342.1/25$

0.003 ± 0.000 $\chi^2/\text{NDF}: 497660.6/25$

yield_bpm2i01X_mean vs slug



Right In: -0.834+/-0.000 χ^2/NDF : 51128589245.9/15

Left Out: -1.191+/-0.000 χ^2/NDF : 4812748.3/9

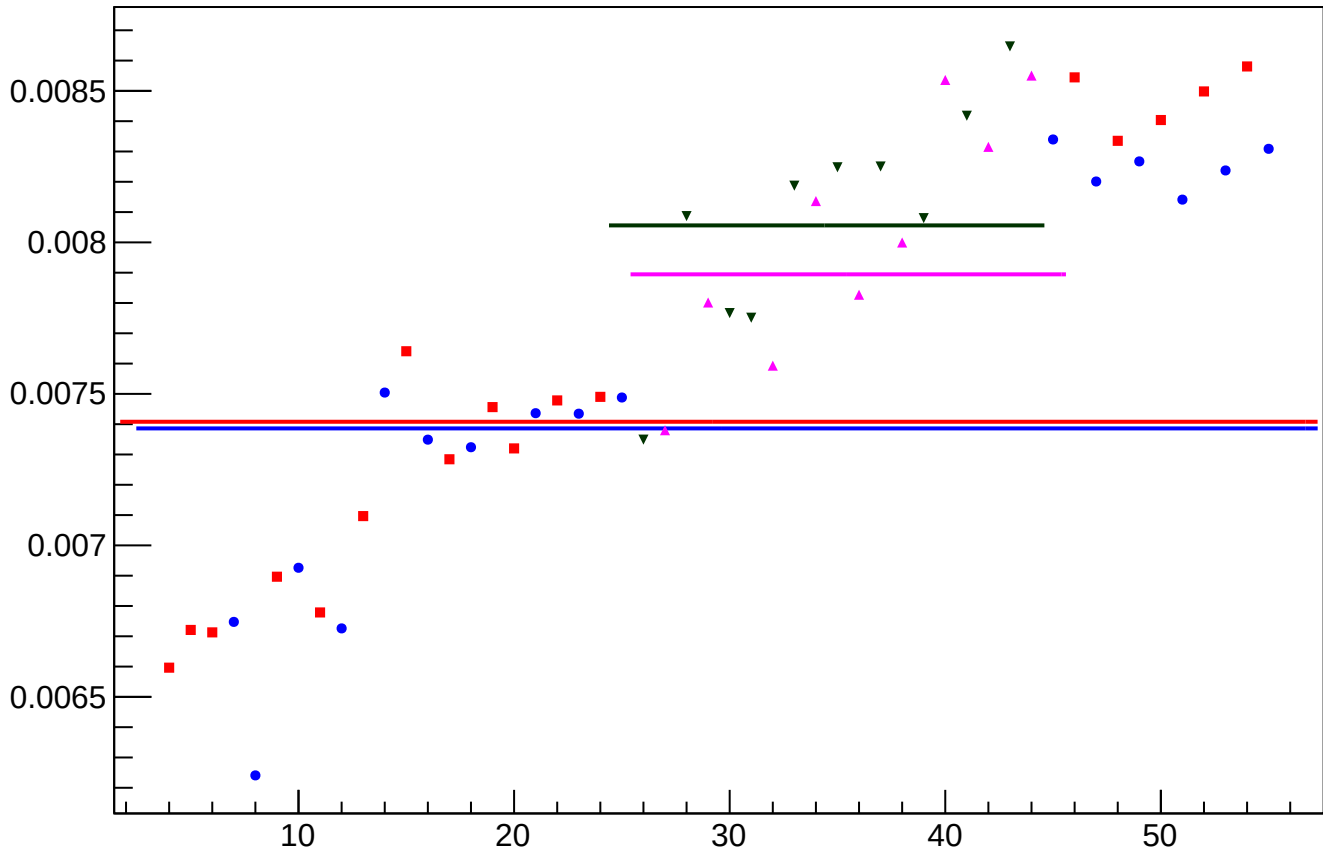
Right Out: -0.906+/-0.000 χ^2/NDF : 39447465158.3/16

Left In: -1.190+/-0.000 χ^2/NDF : 6924812.0/8

-0.945+/-0.000 χ^2/NDF : 58265530524.6/25

-1.007+/-0.000 χ^2/NDF : 44070750902.0/25

yield_bpm2i01X_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 161782.1/15

Left Out: 0.008+/-0.000 χ^2/NDF :19479.9/9

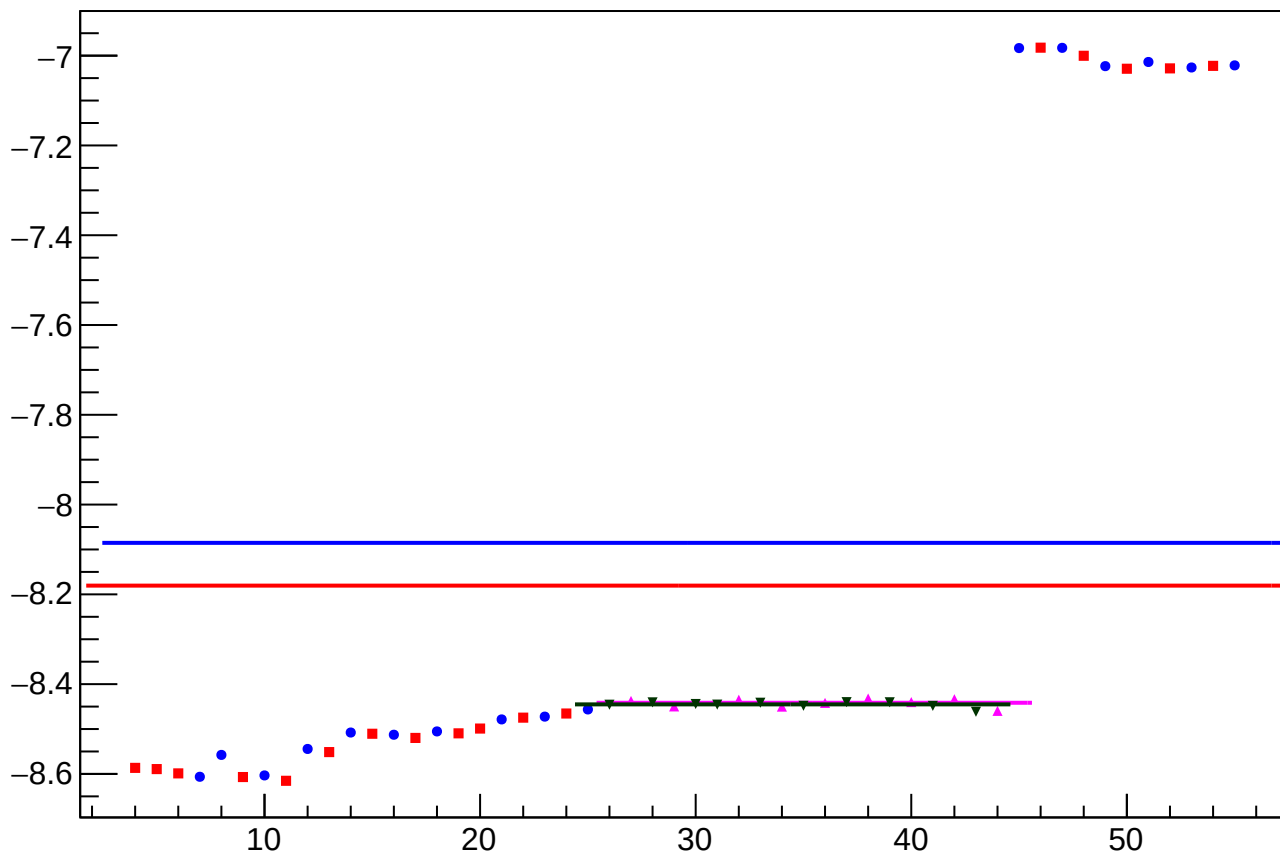
Right Out: 0.007+/-0.000 χ^2/NDF : 133855.6/16

Left In: 0.008+/-0.000 χ^2/NDF :26175.0/8

0.008+/-0.000 χ^2/NDF : 231333.5/25

0.008+/-0.000 χ^2/NDF : 187125.6/25

yield_bpm2i01Y_mean vs slug



Right In: -8.085+/-0.000 χ^2/NDF : 94878598693.1/15

Left Out: -8.445+/-0.000 χ^2/NDF : 3367094.4/9

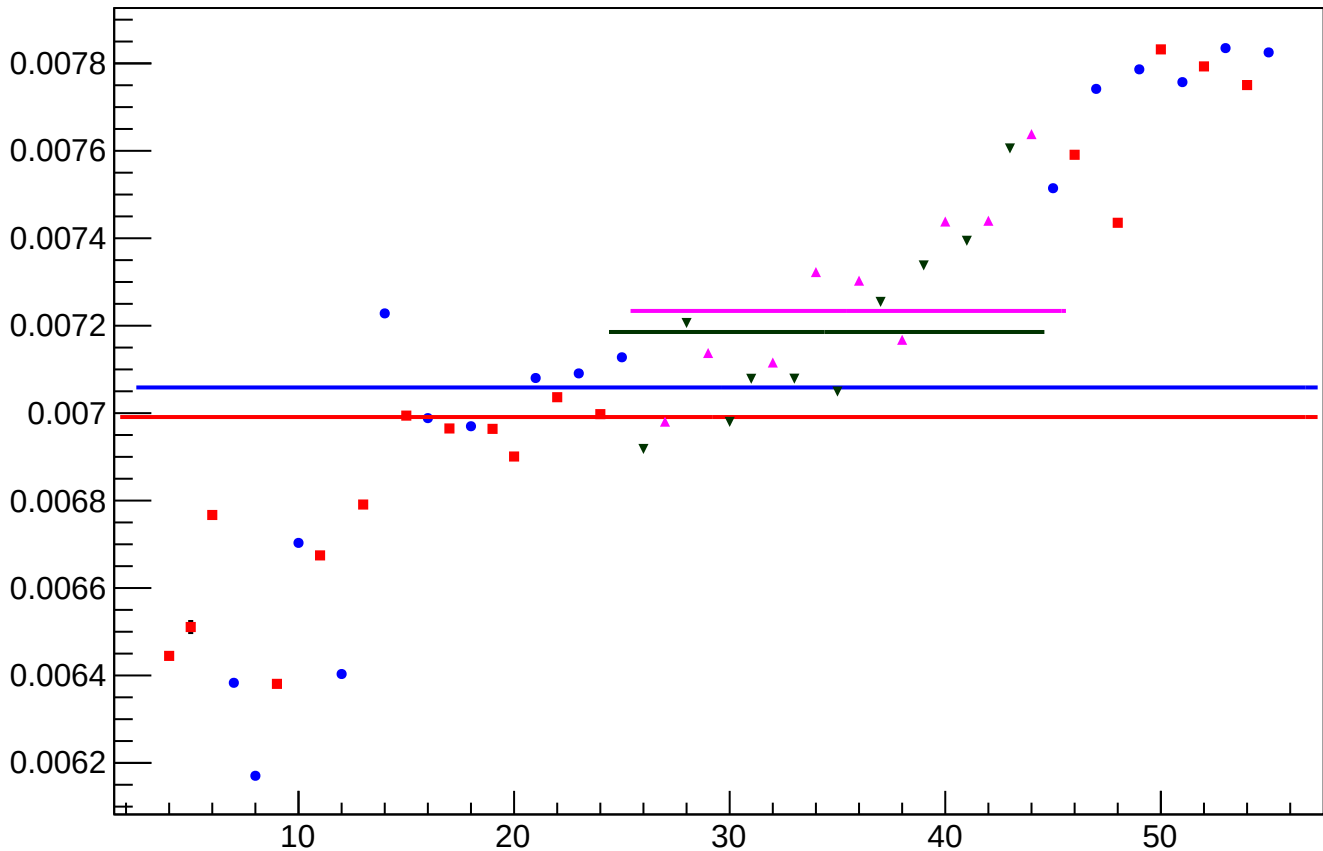
Right Out: -8.181+/-0.000 χ^2/NDF : 78986277219.9/16

Left In: -8.441+/-0.000 χ^2/NDF : 7266938.1/8

-8.209+/-0.000 χ^2/NDF : 103693106320.0/25

-8.277+/-0.000 χ^2/NDF : 83608723295.0/25

yield_bpm2i01Y_rms vs slug



Right In: 0.007 ± 0.000 χ^2/NDF : 116595.4/15

Left Out: 0.007 ± 0.000 χ^2/NDF : 7631.6/9

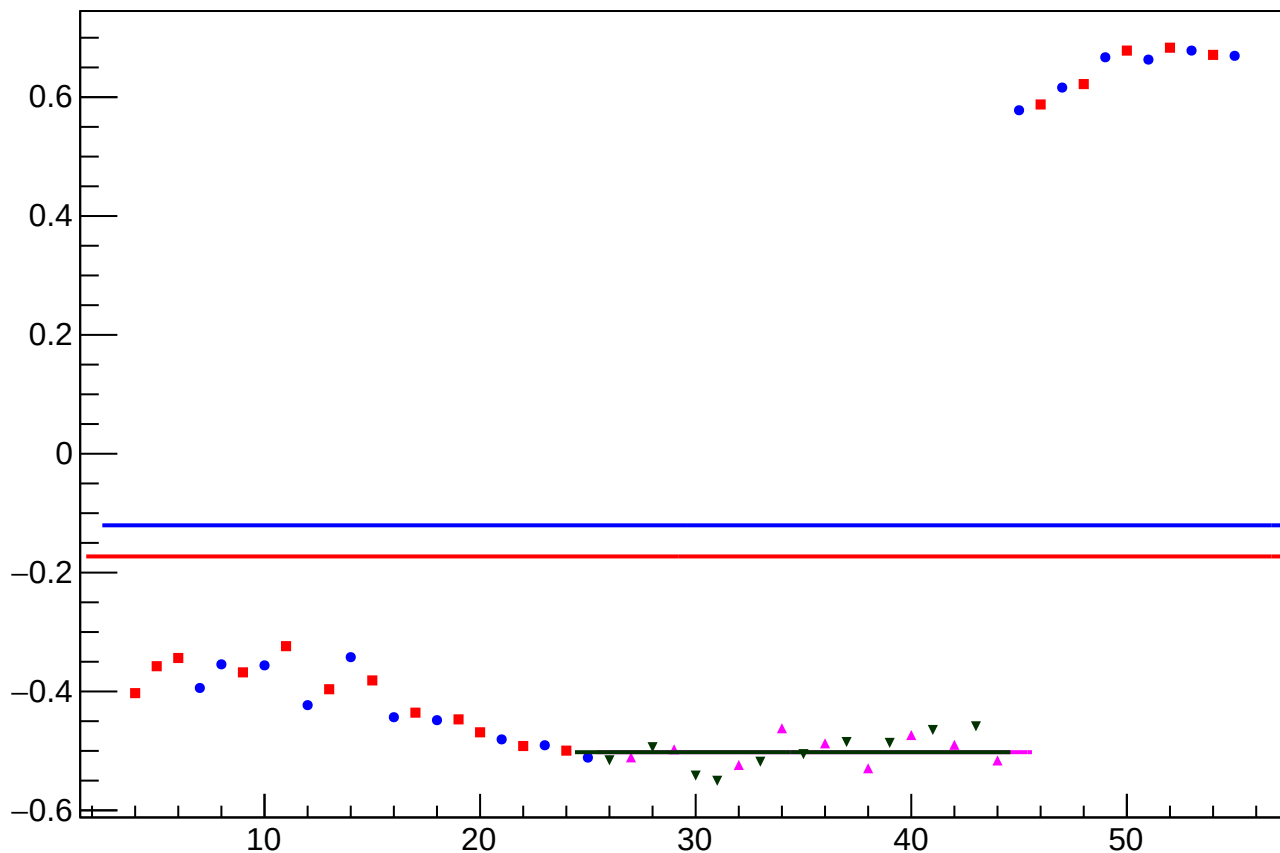
0.007 ± 0.000 χ^2/NDF : 126417.9/25

Right Out: 0.007 ± 0.000 χ^2/NDF : 70843.9/16

0.007 ± 0.000 χ^2/NDF : 86629.2/25

Left In: 0.007 ± 0.000 χ^2/NDF : 7802.2/8

yield_bpm2i02X_mean vs slug



Right In: -0.120+/-0.000 χ^2/NDF : 6226251518.7/15

Left Out: -0.502+/-0.000 χ^2/NDF : 9337230.3/9

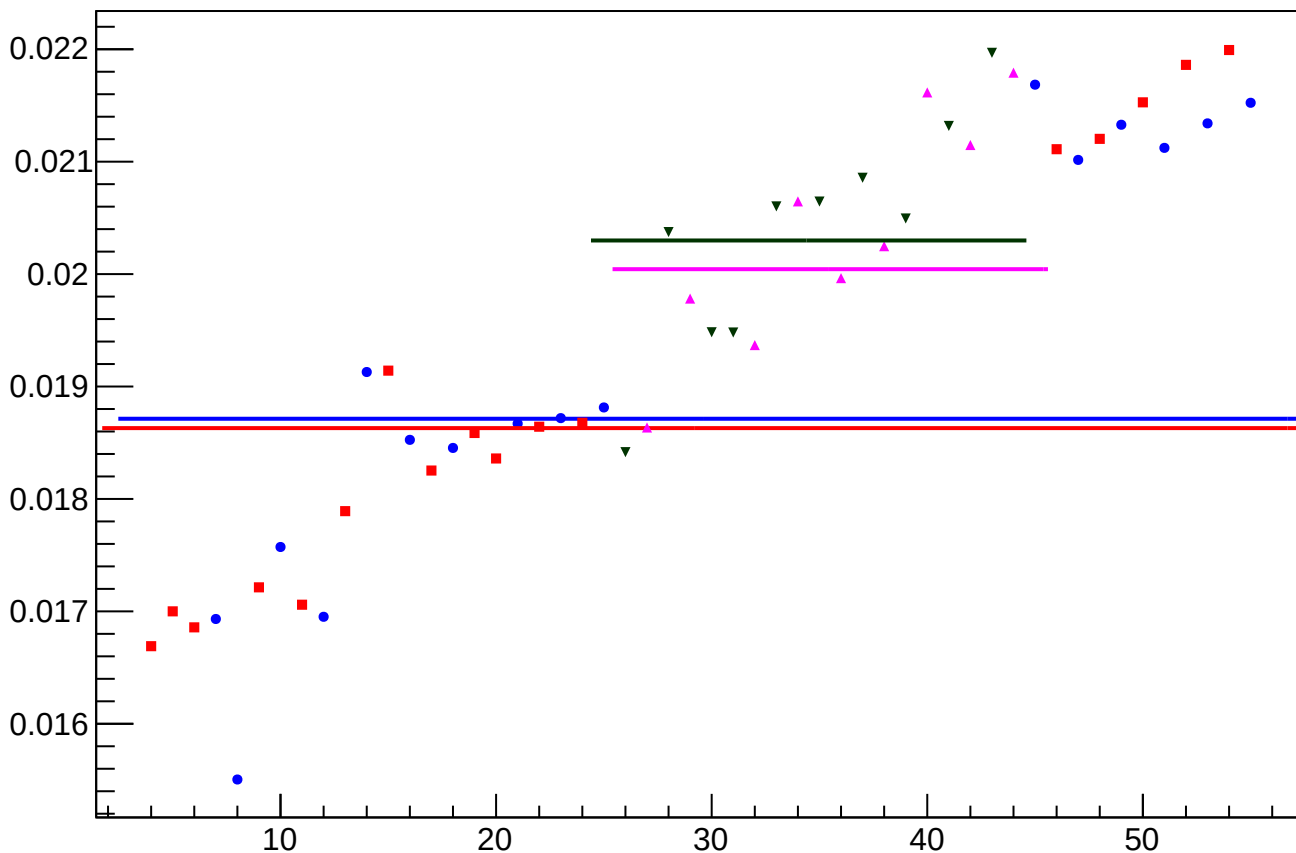
Right Out: -0.173+/-0.000 χ^2/NDF : 4900770338.7/16

Left In: -0.502+/-0.000 χ^2/NDF : 5607835.8/8

-0.240+/-0.000 χ^2/NDF : 7512817788.3/25

-0.288+/-0.000 χ^2/NDF : 5877469787.4/25

yield_bpm2i02X_rms vs slug



Right In: 0.019+/-0.000 χ^2/NDF : 210523.4/15

Left Out: 0.020+/-0.000 χ^2/NDF :22702.3/9

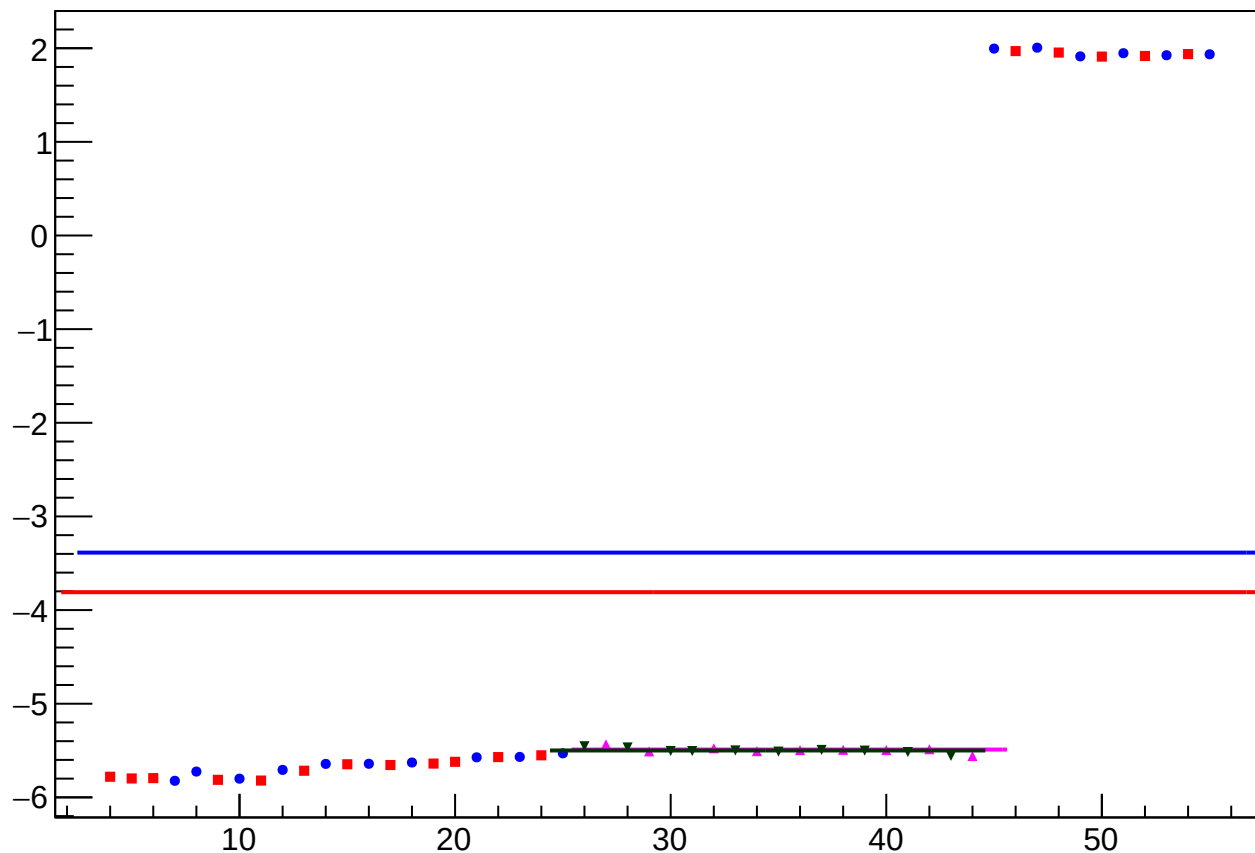
Right Out: 0.019+/-0.000 χ^2/NDF : 147501.1/16

Left In: 0.020+/-0.000 χ^2/NDF :27295.1/8

0.019+/-0.000 χ^2/NDF : 277297.9/25

0.019+/-0.000 χ^2/NDF : 210578.7/25

yield_bpm2i02Y_mean vs slug



Right In: -3.386+/-0.000 χ^2/NDF : 799997385029.1/15

Left Out: -5.499+/-0.000 χ^2/NDF : 23863148.1/9

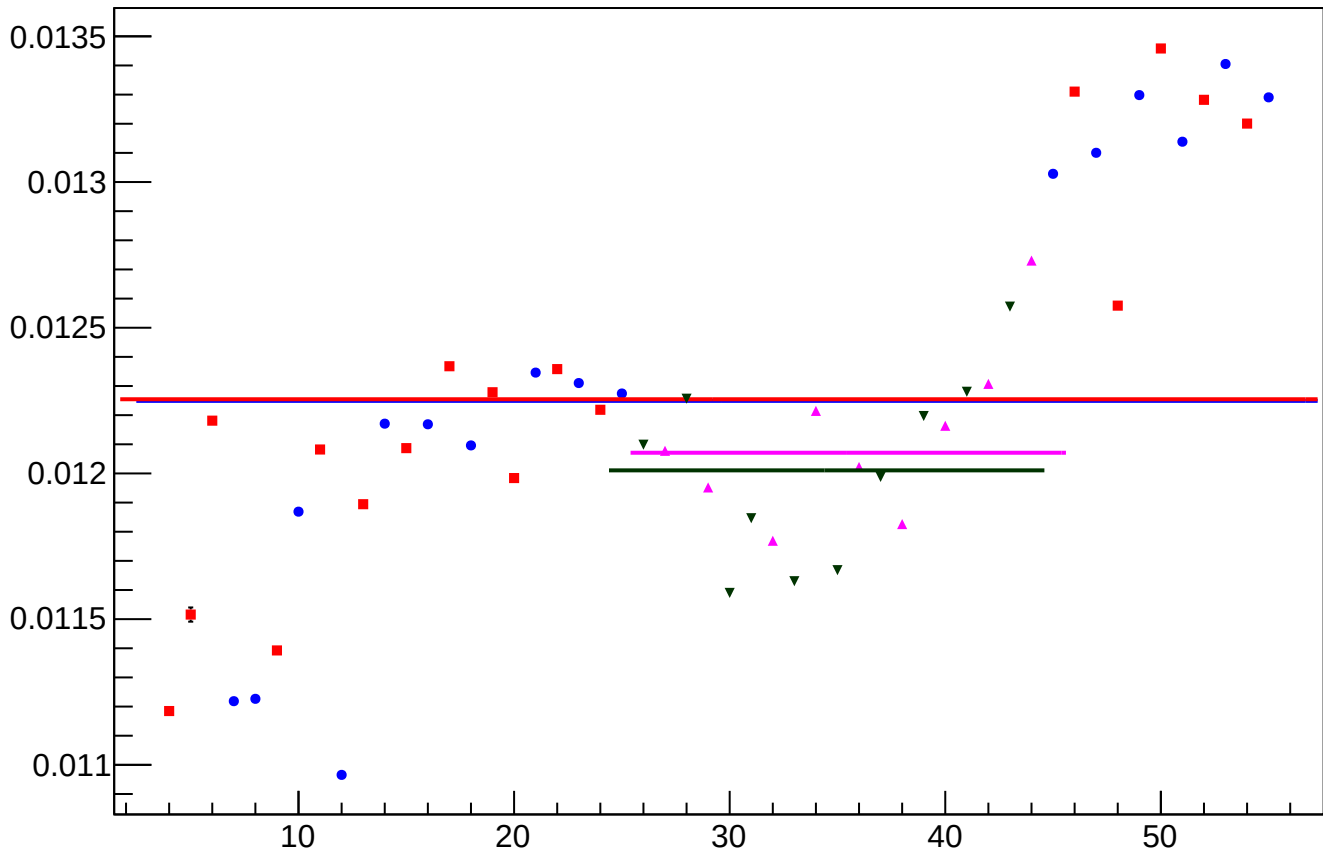
Right Out: -3.809+/-0.000 χ^2/NDF : 644859159247.1/16

Left In: -5.490+/-0.000 χ^2/NDF : 37957034.6/8

-4.150+/-0.000 χ^2/NDF : 905827793276.2/25

-4.473+/-0.000 χ^2/NDF : 710913000277.6/25

yield_bpm2i02Y_rms vs slug



Right In: 0.012+/-0.000 χ^2 /NDF: 75195.5/15

Left Out: 0.012+/-0.000 χ^2 /NDF:6913.8/9

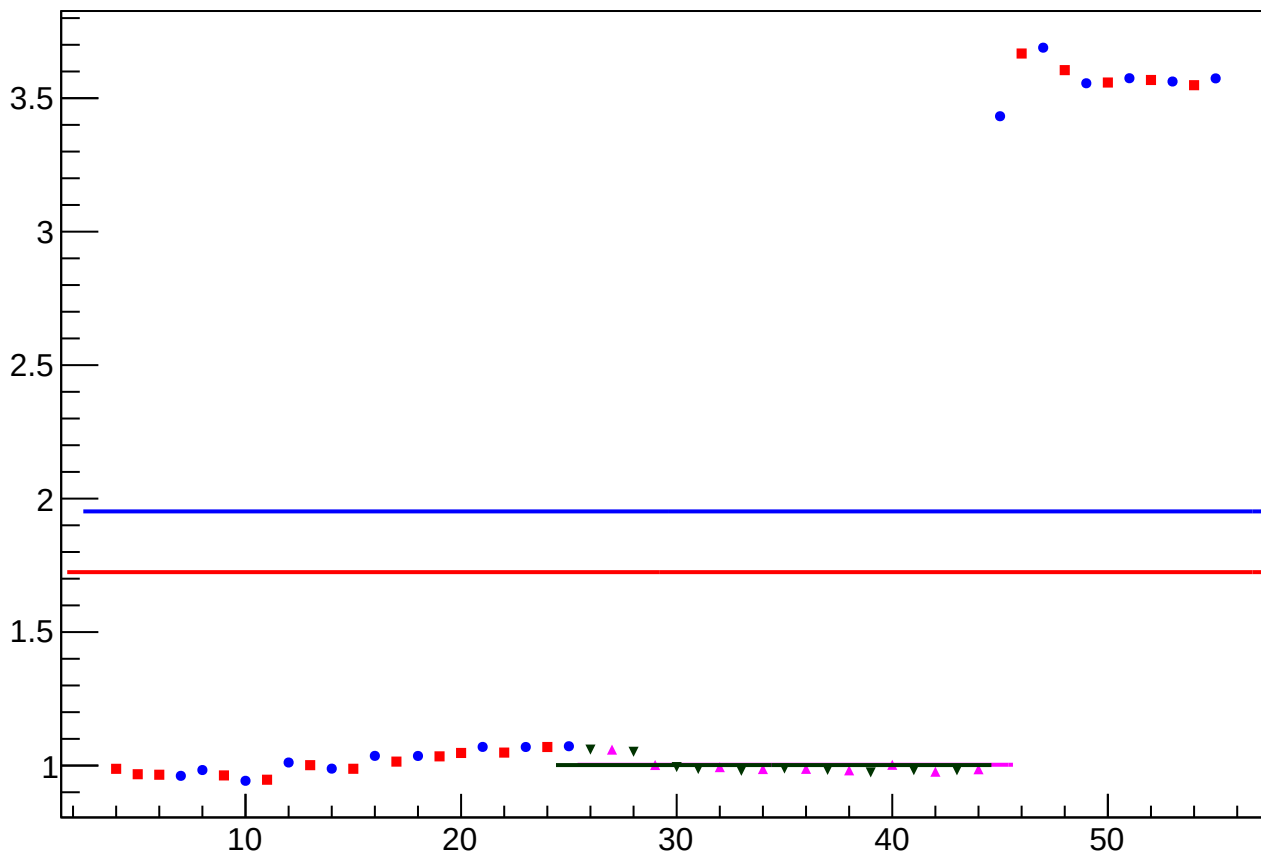
0.012+/-0.000 χ^2 /NDF: 84804.6/25

Right Out: 0.012+/-0.000 χ^2 /NDF: 46425.7/16

0.012+/-0.000 χ^2 /NDF: 53131.1/25

Left In: 0.012+/-0.000 χ^2 /NDF:5130.3/8

yield_bpm1i04X_mean vs slug



Right In: 1.952+/-0.000 χ^2/NDF : 246849771524.5/15

Left Out: 1.002+/-0.000 χ^2/NDF : 93267140.0/9

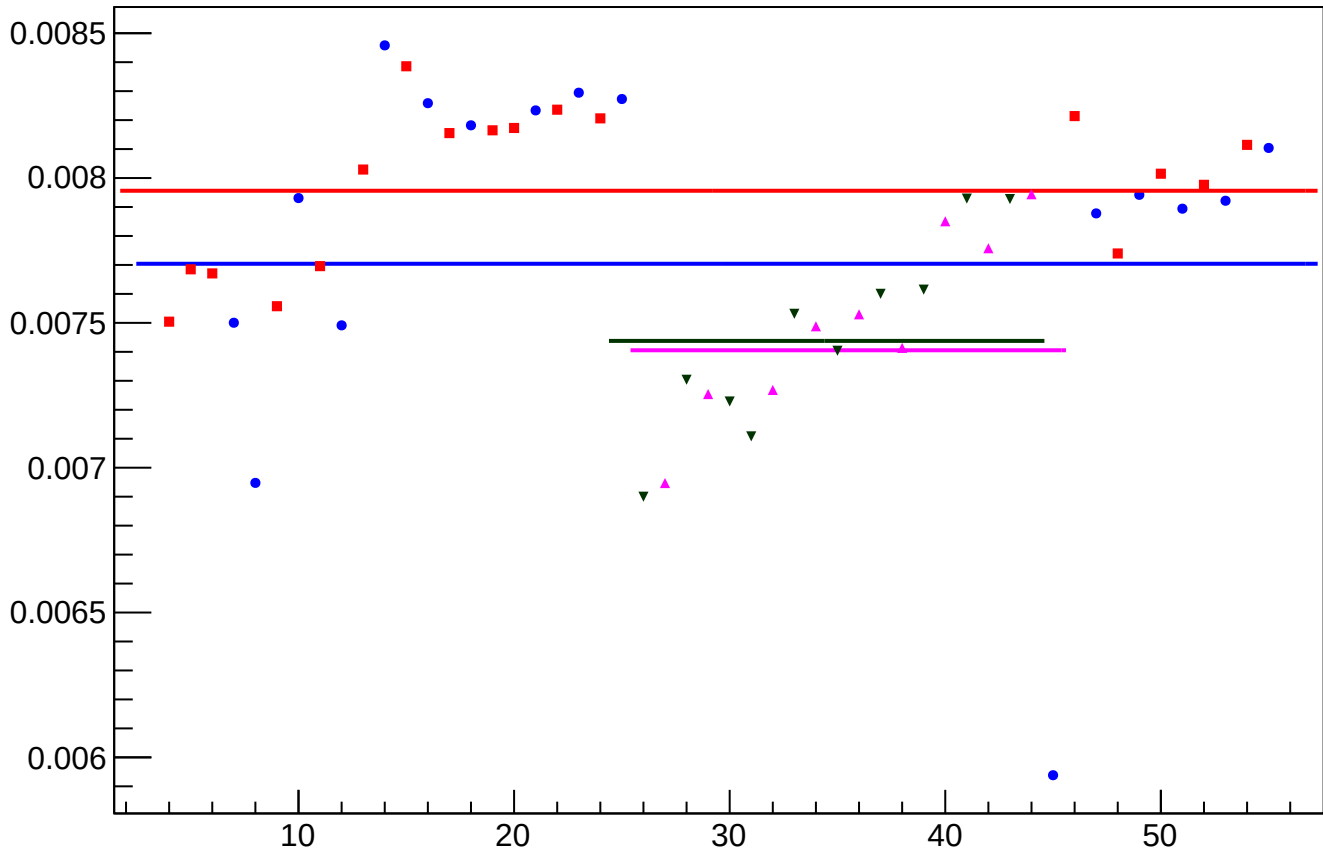
1.602+/-0.000 χ^2/NDF : 301463255757.5/25

Right Out: 1.725+/-0.000 χ^2/NDF : 189418533731.8/16

1.422+/-0.000 χ^2/NDF : 220077107725.0/25

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 : 174472.4/15

Left Out: 0.007+/-0.000 χ^2/NDF :18100.0/9

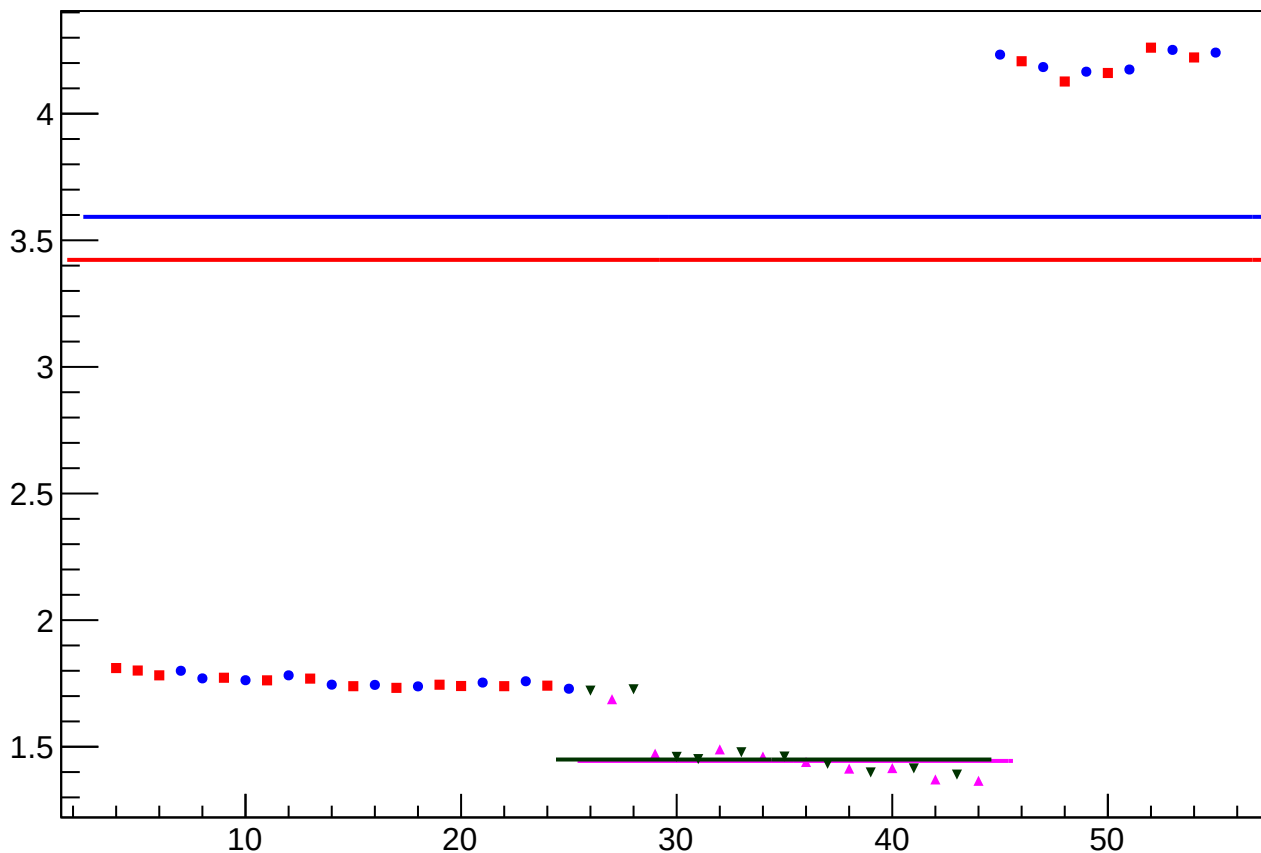
0.008+/-0.000 χ^2/NDF : 201134.2/25

Right Out: 0.008+/-0.000 χ^2/NDF : 19629.2/16

0.008+/-0.000 χ^2/NDF : 74209.5/25

Left In: 0.007+/-0.000 χ^2/NDF :18945.2/8

yield_bpm1i04Y_mean vs slug



Right In: 3.593+/-0.000 χ^2/NDF : 464959925649.8/15

Left Out: 1.450+/-0.000 χ^2/NDF : 719591225.9/9

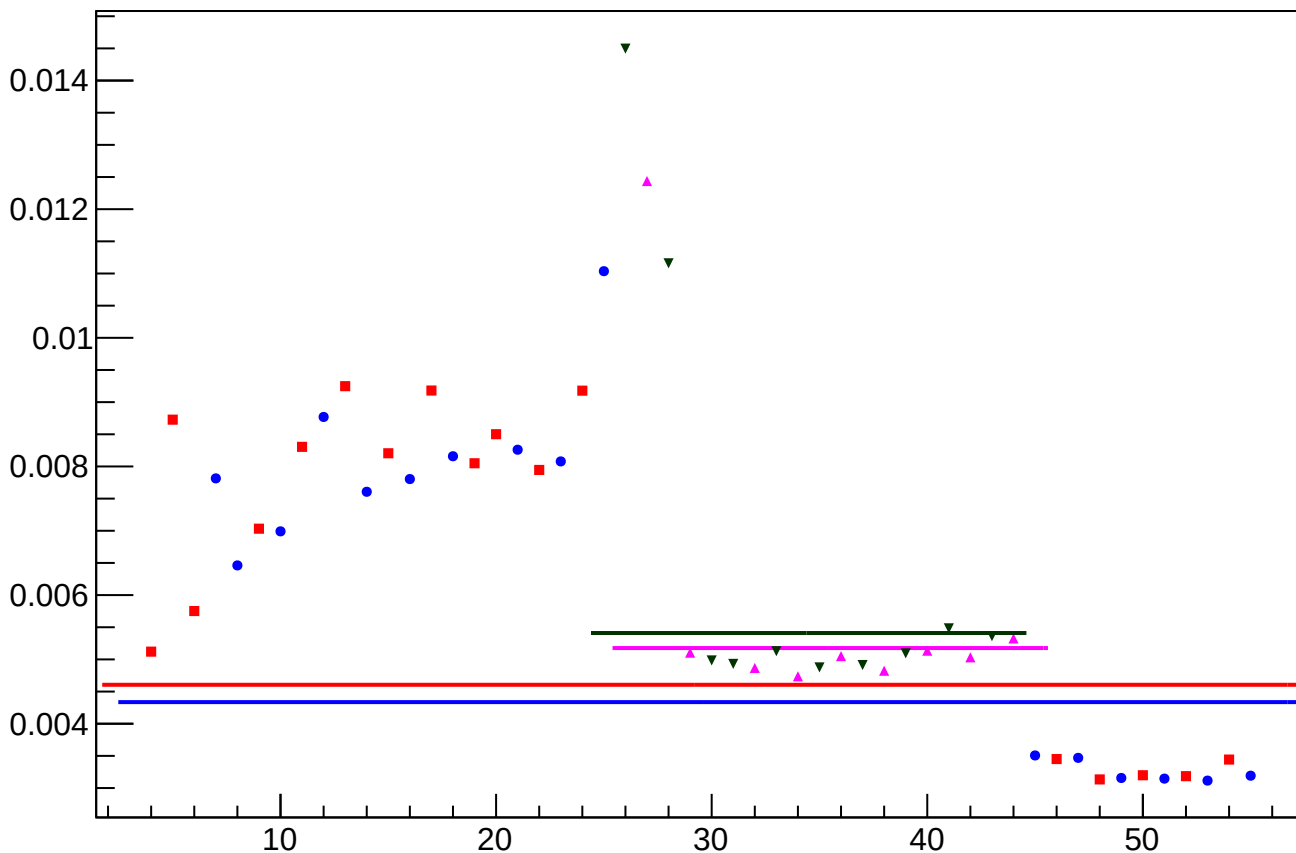
Right Out: 3.423+/-0.000 χ^2/NDF : 422302943139.9/16

Left In: 1.444+/-0.000 χ^2/NDF : 633323170.8/8

2.997+/-0.000 χ^2/NDF : 994362242666.0/25

2.704+/-0.000 χ^2/NDF : 891546101984.4/25

yield_bpm1i04Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 3147451.7/15

Left Out: 0.005+/-0.000 χ^2/NDF : 753040.6/9

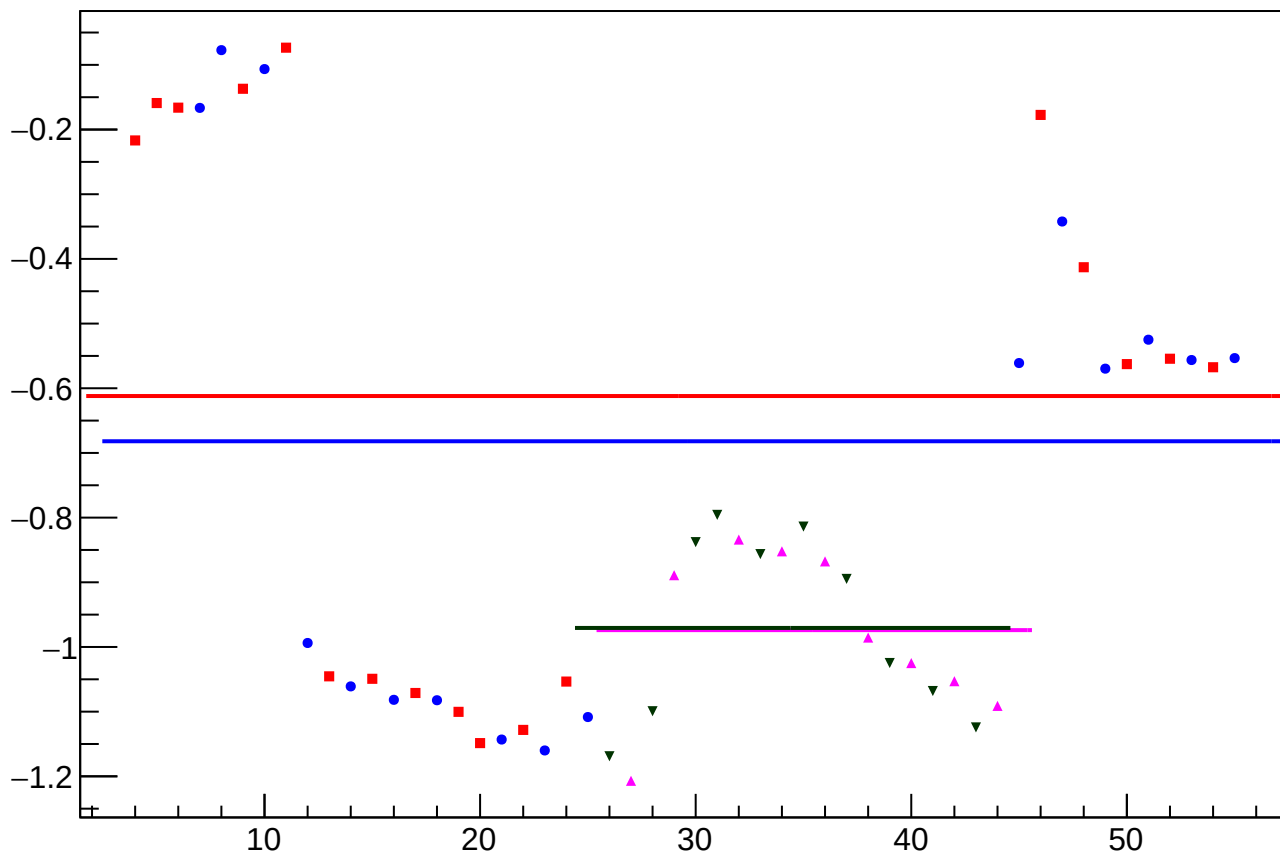
Right Out: 0.005+/-0.000 χ^2/NDF : 2981511.5/16

Left In: 0.005+/-0.000 χ^2/NDF : 514197.3/8

0.005+/-0.000 χ^2/NDF : 4166262.8/25

0.005+/-0.000 χ^2/NDF : 3573790.0/25

yield_bpm0l01X_mean vs slug



Right In: -0.682+/-0.000 χ^2/NDF : 18872842923.5/15

Left Out: -0.971+/-0.000 χ^2/NDF : 1156218036.6/9

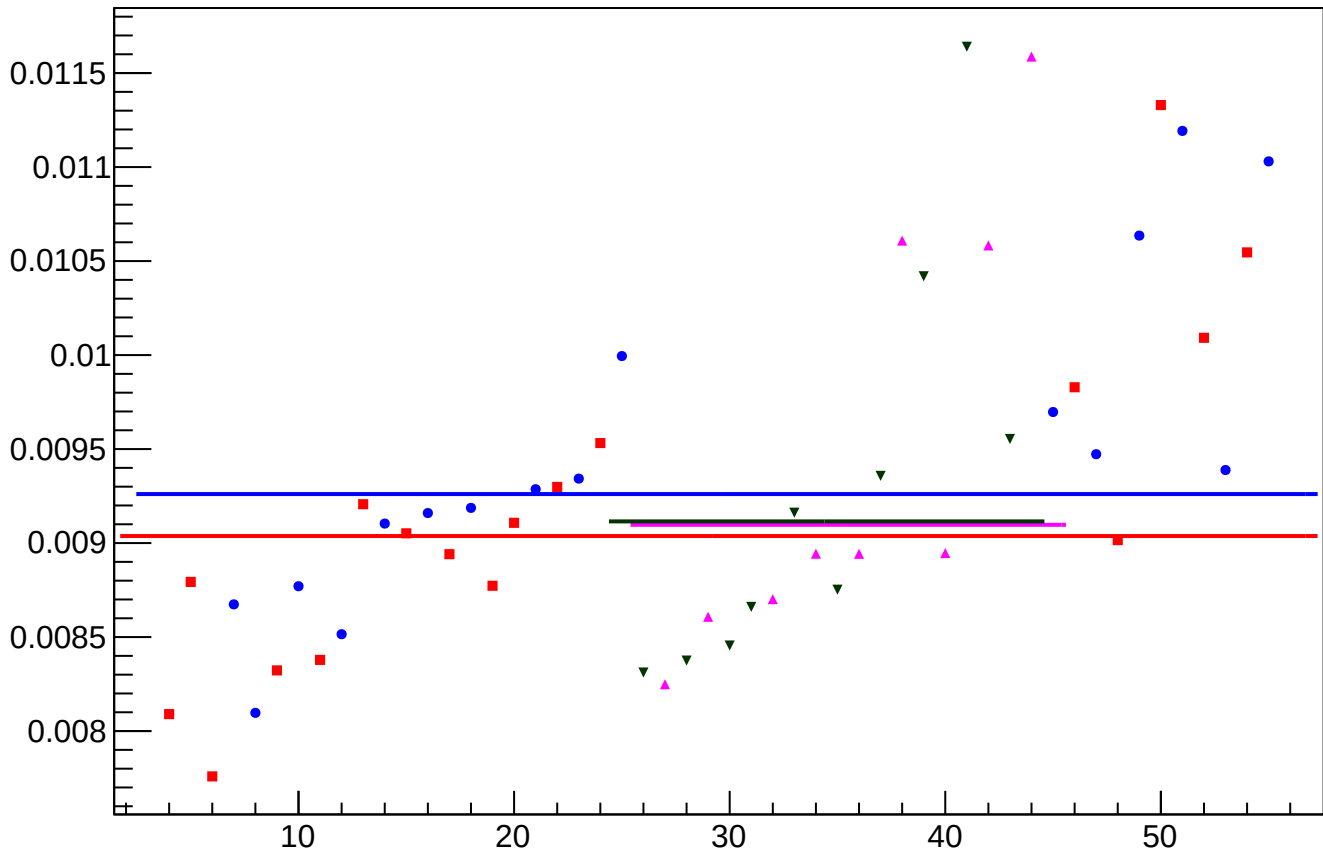
Right Out: -0.612+/-0.000 χ^2/NDF : 19185078390.9/16

Left In: -0.974+/-0.000 χ^2/NDF : 1225322966.4/8

-0.784+/-0.000 χ^2/NDF : 23354219495.5/25

-0.751+/-0.000 χ^2/NDF : 25757957059.0/25

yield_bpm0l01X_rms vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 141049.0/15

Left Out: 0.009+/-0.000 χ^2/NDF :104201.5/9

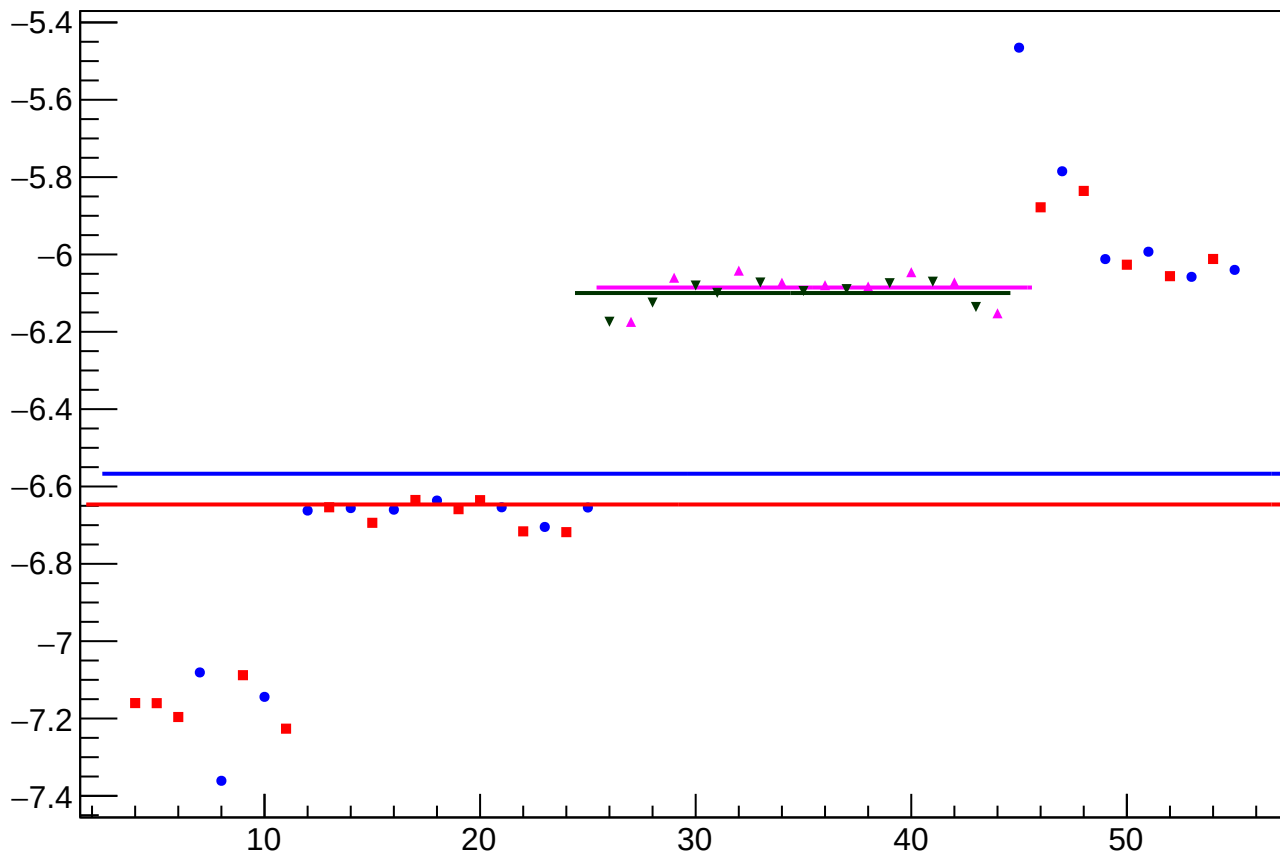
0.009+/-0.000 χ^2/NDF : 246937.5/25

Right Out: 0.009+/-0.000 χ^2/NDF : 147266.6/16

0.009+/-0.000 χ^2/NDF : 263105.5/25

Left In: 0.009+/-0.000 χ^2/NDF :115547.6/8

yield_bpm0l01Y_mean vs slug



Right In: -6.567+/-0.000 χ^2/NDF : 30893432090.0/15

Left Out: -6.100+/-0.000 χ^2/NDF : 52135577.5/9

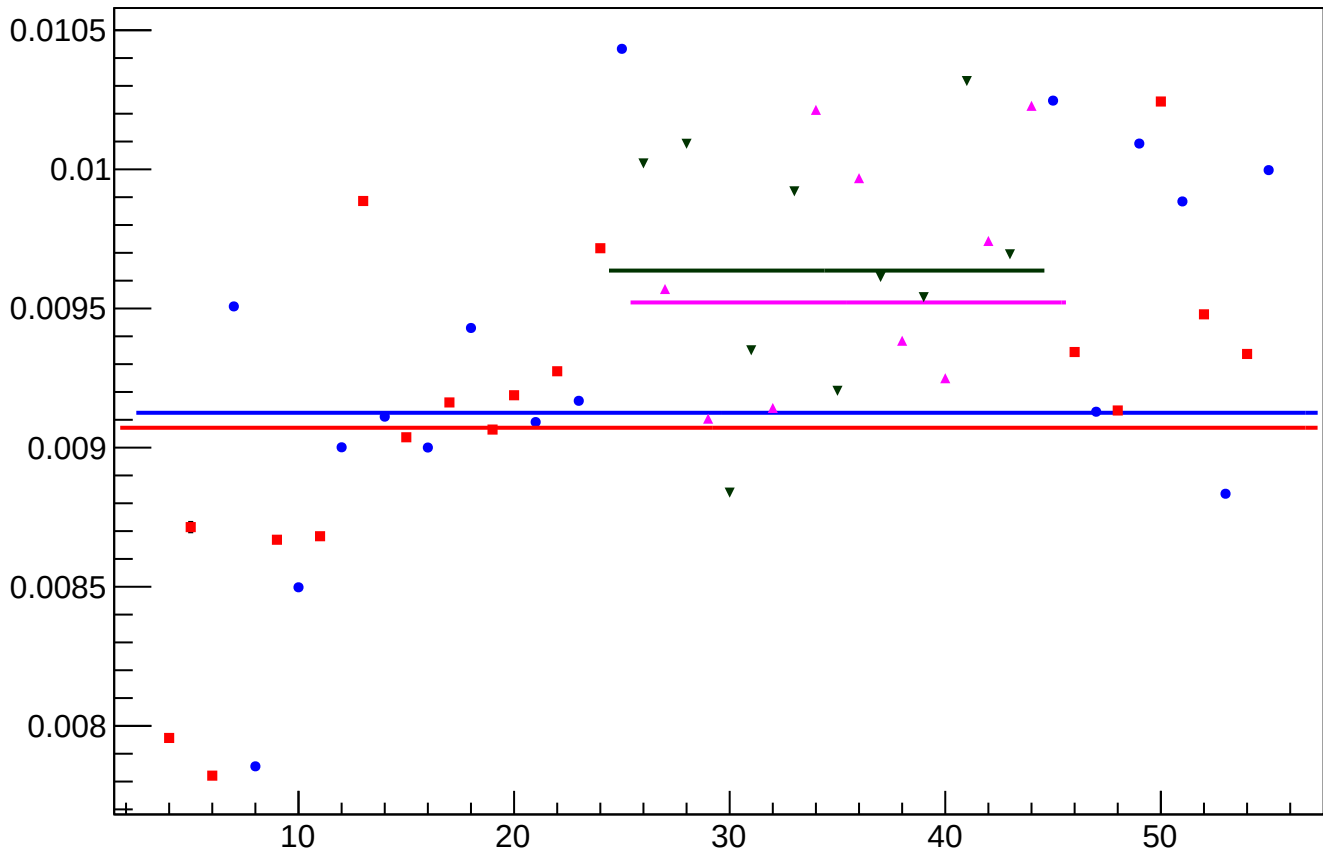
Right Out: -6.647+/-0.000 χ^2/NDF : 22498962144.0/16

Left In: -6.085+/-0.000 χ^2/NDF : 127997791.5/8

-6.415+/-0.000 χ^2/NDF : 39076173722.0/25

-6.441+/-0.000 χ^2/NDF : 34654351376.2/25

yield_bpm0l01Y_rms vs slug



Right In: 0.009 ± 0.000 χ^2/NDF : 107341.1/15

Left Out: 0.010 ± 0.000 χ^2/NDF : 21331.0/9

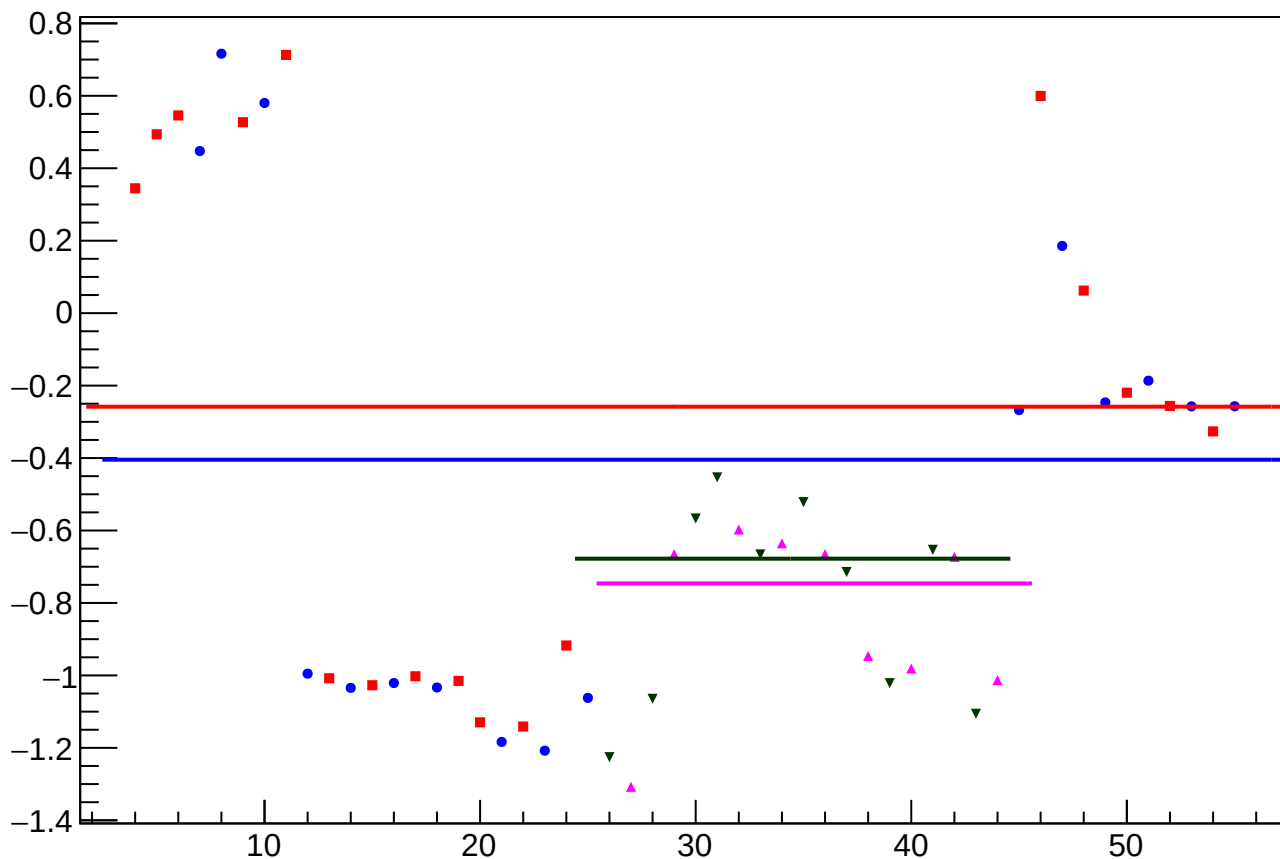
0.009 ± 0.000 χ^2/NDF : 148119.6/25

Right Out: 0.009 ± 0.000 χ^2/NDF : 81773.4/16

0.009 ± 0.000 χ^2/NDF : 116561.7/25

Left In: 0.010 ± 0.000 χ^2/NDF : 19294.1/8

yield_bpm0l02X_mean vs slug



Right In: -0.405+/-0.000 χ^2/NDF : 10013301464.6/15

Left Out: -0.678+/-0.000 χ^2/NDF :1358570765.2/9

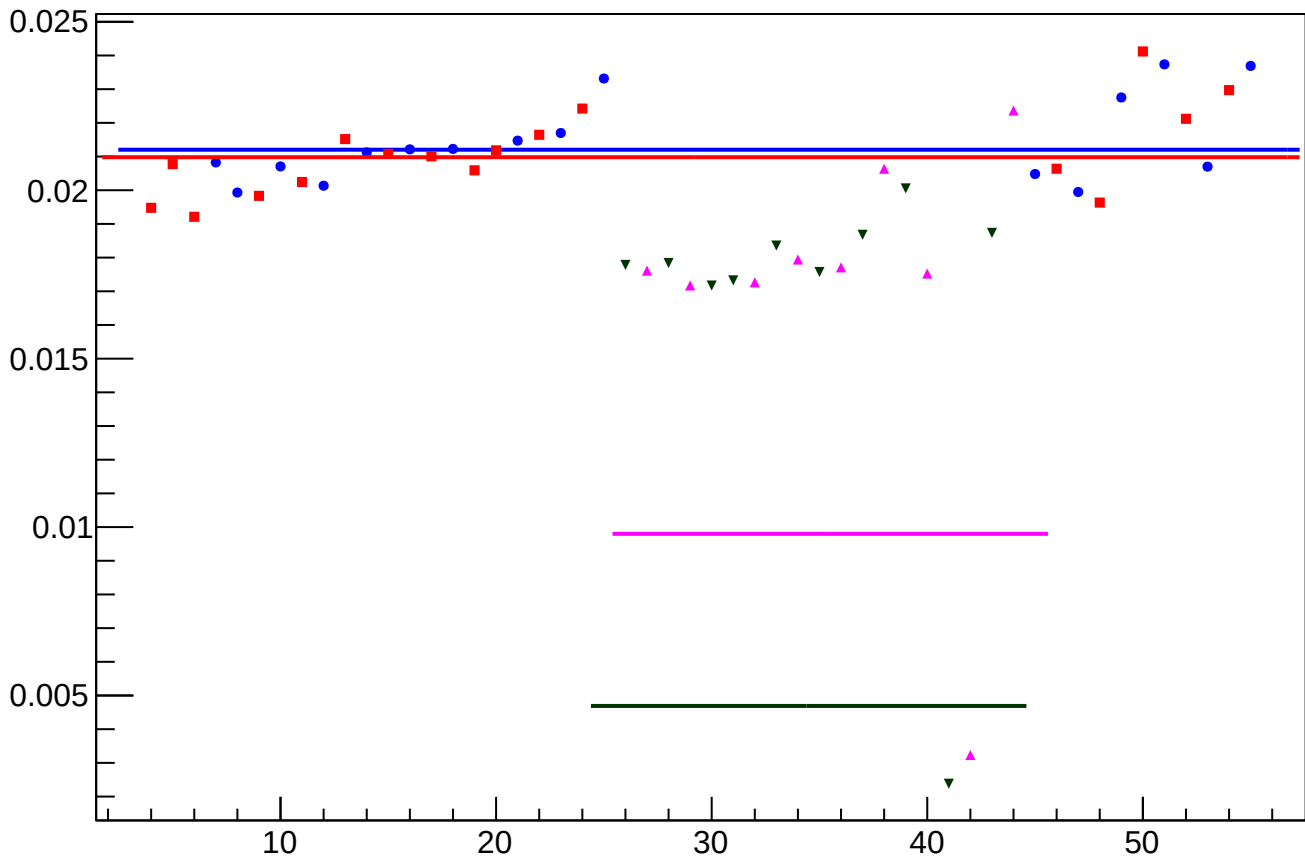
Right Out: -0.258+/-0.000 χ^2/NDF : 10101230399.7/16

Left In: -0.746+/-0.000 χ^2/NDF :1268707812.5/8

-0.628+/-0.000 χ^2/NDF : 12691839034.9/25

-0.568+/-0.000 χ^2/NDF : 14381529546.1/25

yield_bpm0l02X_rms vs slug



Right In: 0.021+/-0.000 χ^2/NDF : 52308.3/15

Left Out: 0.005+/-0.000 χ^2/NDF : 5998219.6/9

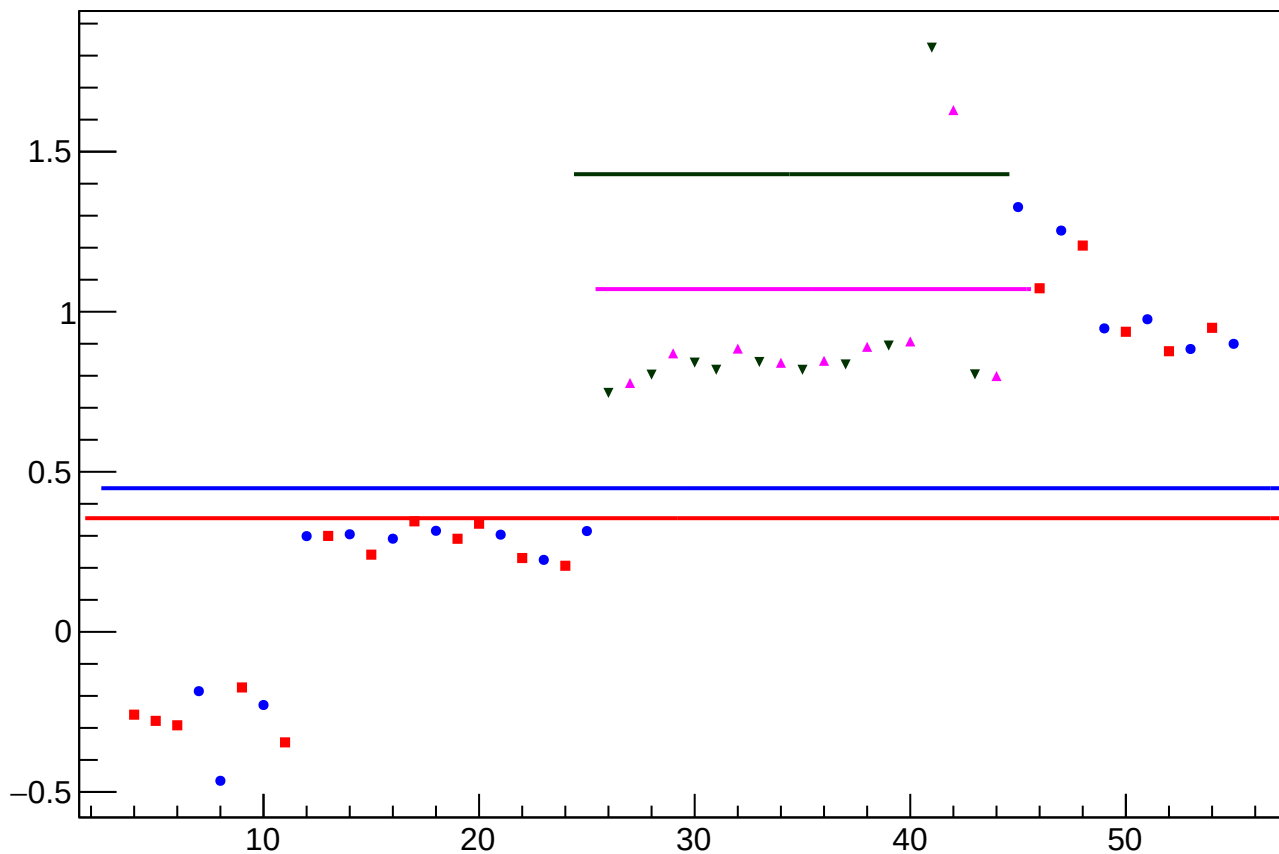
Right Out: 0.021+/-0.000 χ^2/NDF : 61305.3/16

Left In: 0.010+/-0.000 χ^2/NDF : 3818425.7/8

0.008+/-0.000 χ^2/NDF : 15693526.7/25

0.014+/-0.000 χ^2/NDF : 7043471.5/25

yield_bpm0l02Y_mean vs slug



Right In: 0.449+/-0.000 χ^2/NDF : 17529535986.0/15

Left Out: 1.430+/-0.000 χ^2/NDF : 20131817794.8/9

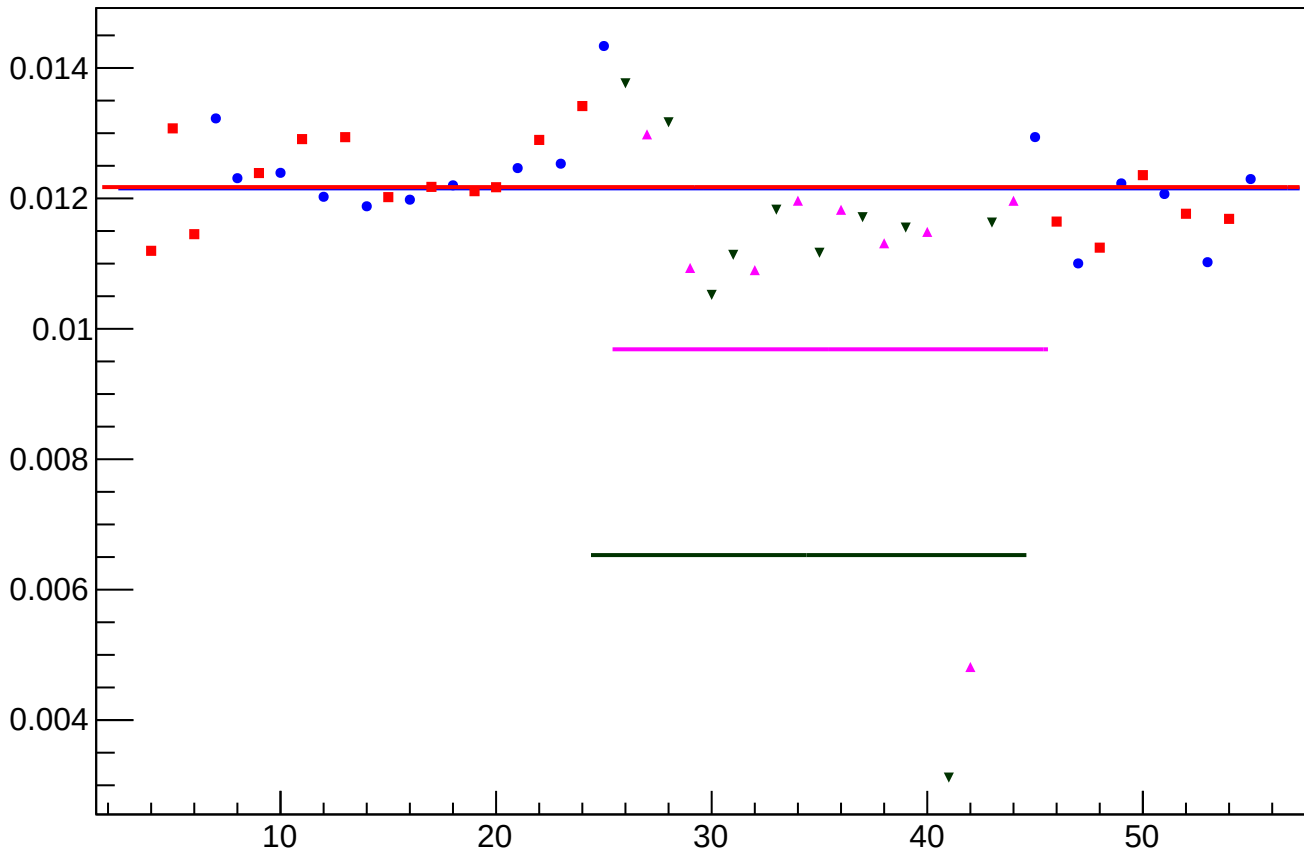
Right Out: 0.355+/-0.000 χ^2/NDF : 14614310647.6/16

Left In: 1.071+/-0.000 χ^2/NDF : 6285541515.9/8

1.002+/-0.000 χ^2/NDF : 73117637767.1/25

0.691+/-0.000 χ^2/NDF : 34937667990.7/25

yield_bpm0l02Y_rms vs slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 44724.2/15

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:3050338.6/9

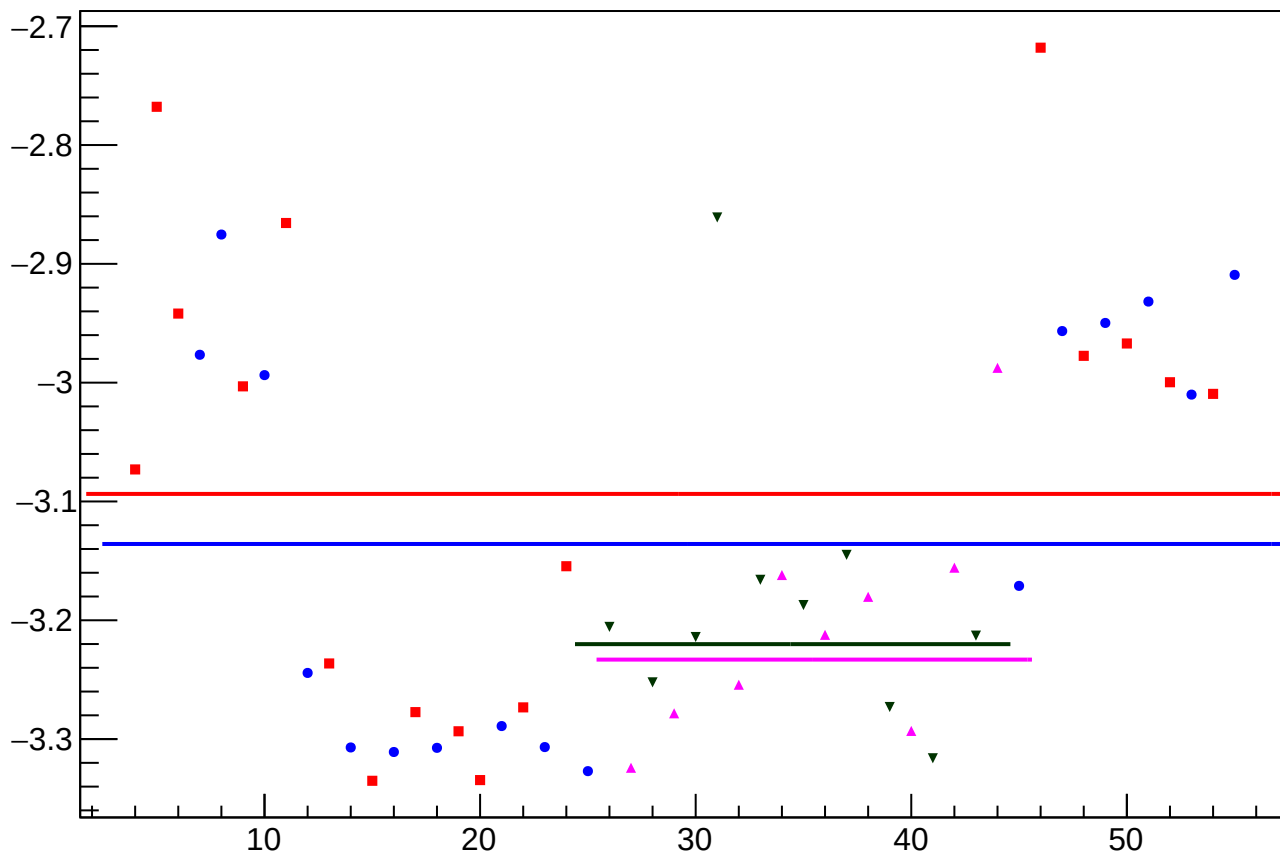
Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 46519.3/16

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:979026.7/8

0.009 $\pm$ 0.000 χ^2 /NDF: 5425976.3/25

0.011 $\pm$ 0.000 χ^2 /NDF: 1364788.9/25

yield_bpm0l03X_mean vs slug



Right In: -3.136+/-0.000 χ^2/NDF : 4029555293.1/15

Left Out: -3.220+/-0.000 χ^2/NDF : 428312091.3/9

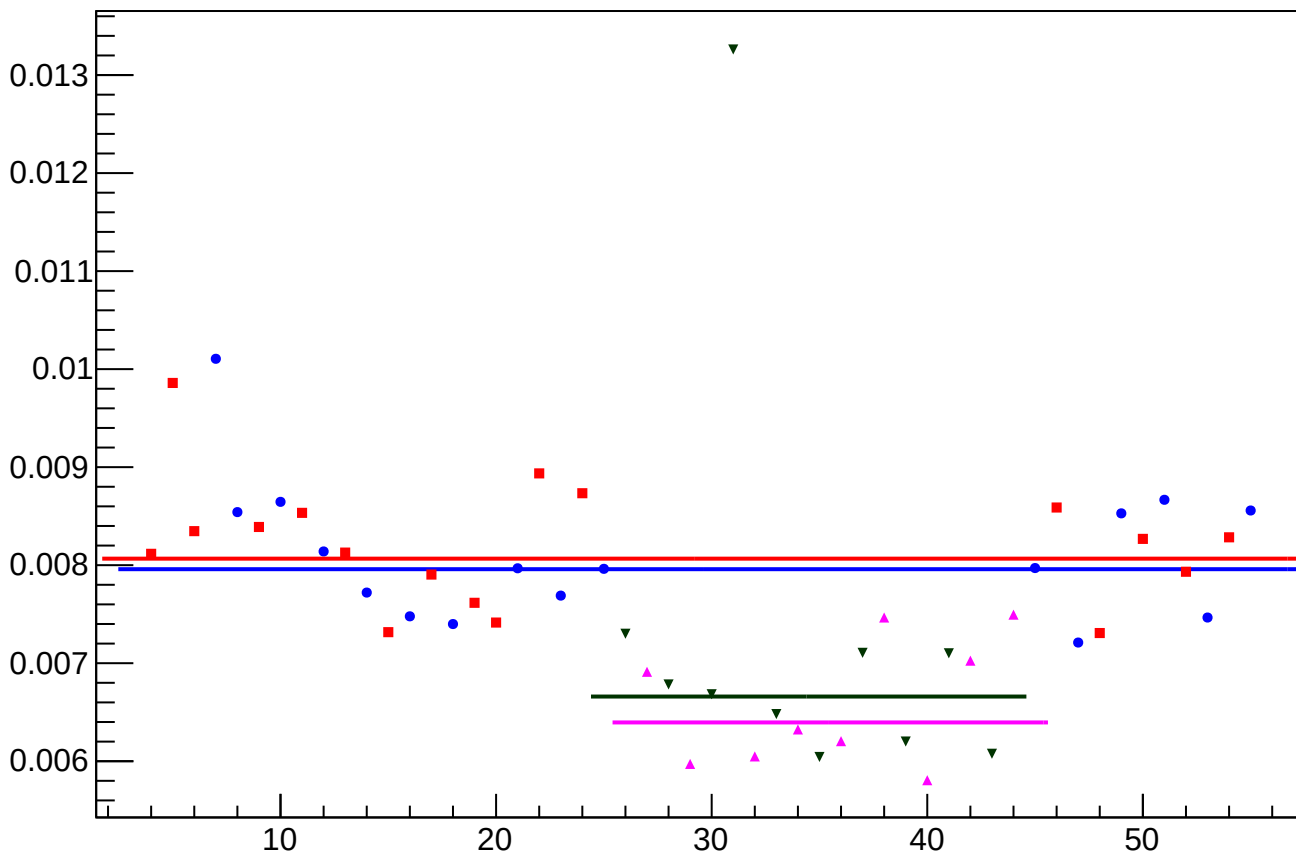
Right Out: -3.094+/-0.000 χ^2/NDF : 3647304425.1/16

Left In: -3.233+/-0.000 χ^2/NDF : 784509895.8/8

-3.172+/-0.000 χ^2/NDF : 4863379893.2/25

-3.164+/-0.000 χ^2/NDF : 5568204528.5/25

yield_bpm0l03X_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 72836.7/15

Left Out: 0.007+/-0.000 χ^2/NDF : 169219.9/9

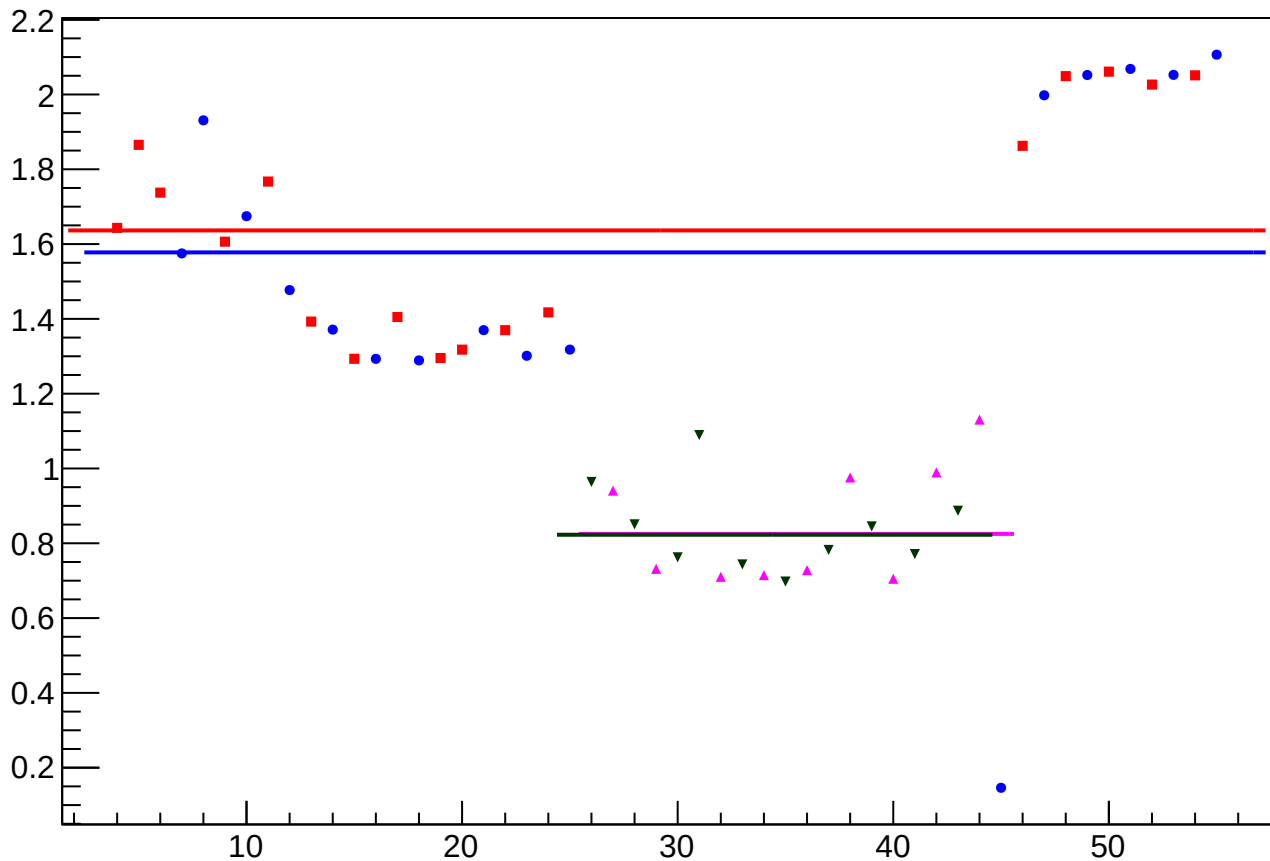
Right Out: 0.008+/-0.000 χ^2/NDF : 56169.9/16

Left In: 0.006+/-0.000 χ^2/NDF : 72293.2/8

0.007+/-0.000 χ^2/NDF : 434692.9/25

0.007+/-0.000 χ^2/NDF : 454781.0/25

yield_bpm0l03Y_mean vs slug



Right In: 1.578 $\pm$ 0.000 χ^2 /NDF: 23374772908.1/15

Left Out: 0.823 $\pm$ 0.000 χ^2 /NDF: 373202951.2/9

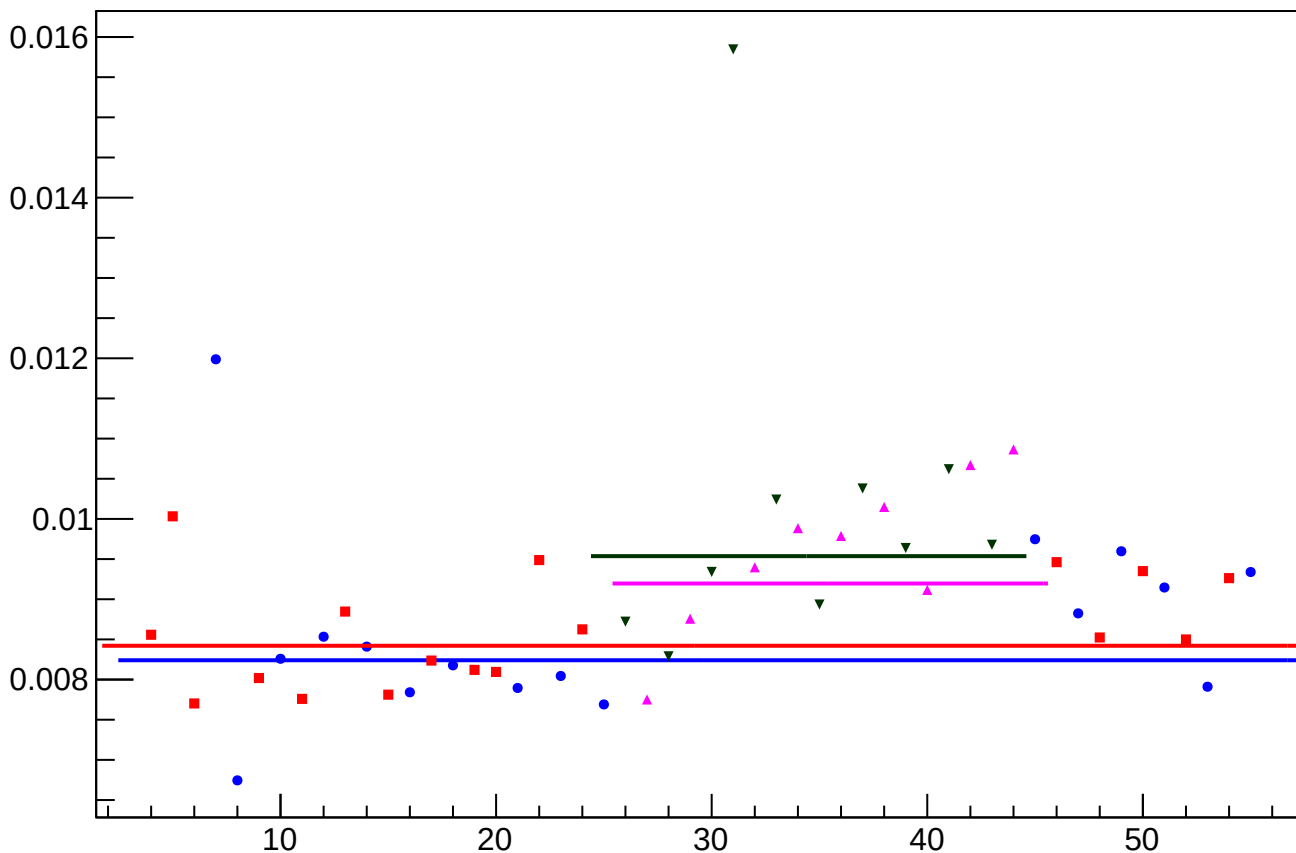
1.365 $\pm$ 0.000 χ^2 /NDF: 43443928964.3/25

Right Out: 1.637 $\pm$ 0.000 χ^2 /NDF: 8101590485.6/16

1.348 $\pm$ 0.000 χ^2 /NDF: 33422420290.2/25

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 : 187617.5/15

Left Out: 0.010+/-0.000 χ^2/NDF :144258.2/9

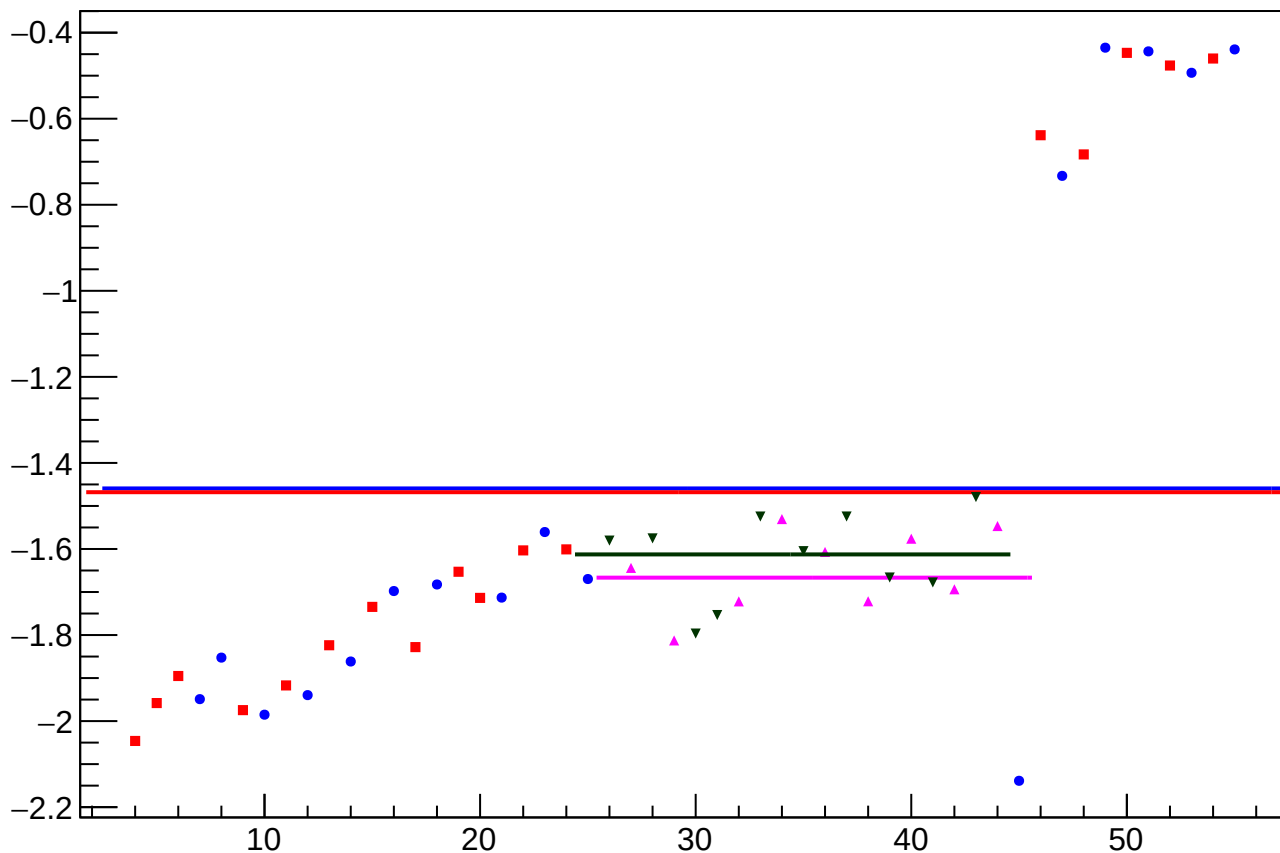
Right Out: 0.008+/-0.000 χ^2/NDF : 70248.3/16

Left In: 0.009+/-0.000 χ^2/NDF :103784.9/8

0.009+/-0.000 χ^2/NDF : 447998.7/25

0.009+/-0.000 χ^2/NDF : 218322.1/25

yield_bpm0l04X_mean vs slug



Right In: -1.459+/-0.000 χ^2/NDF : 28107854580.3/15

Left Out: -1.613+/-0.000 χ^2/NDF : 327148879.4/9

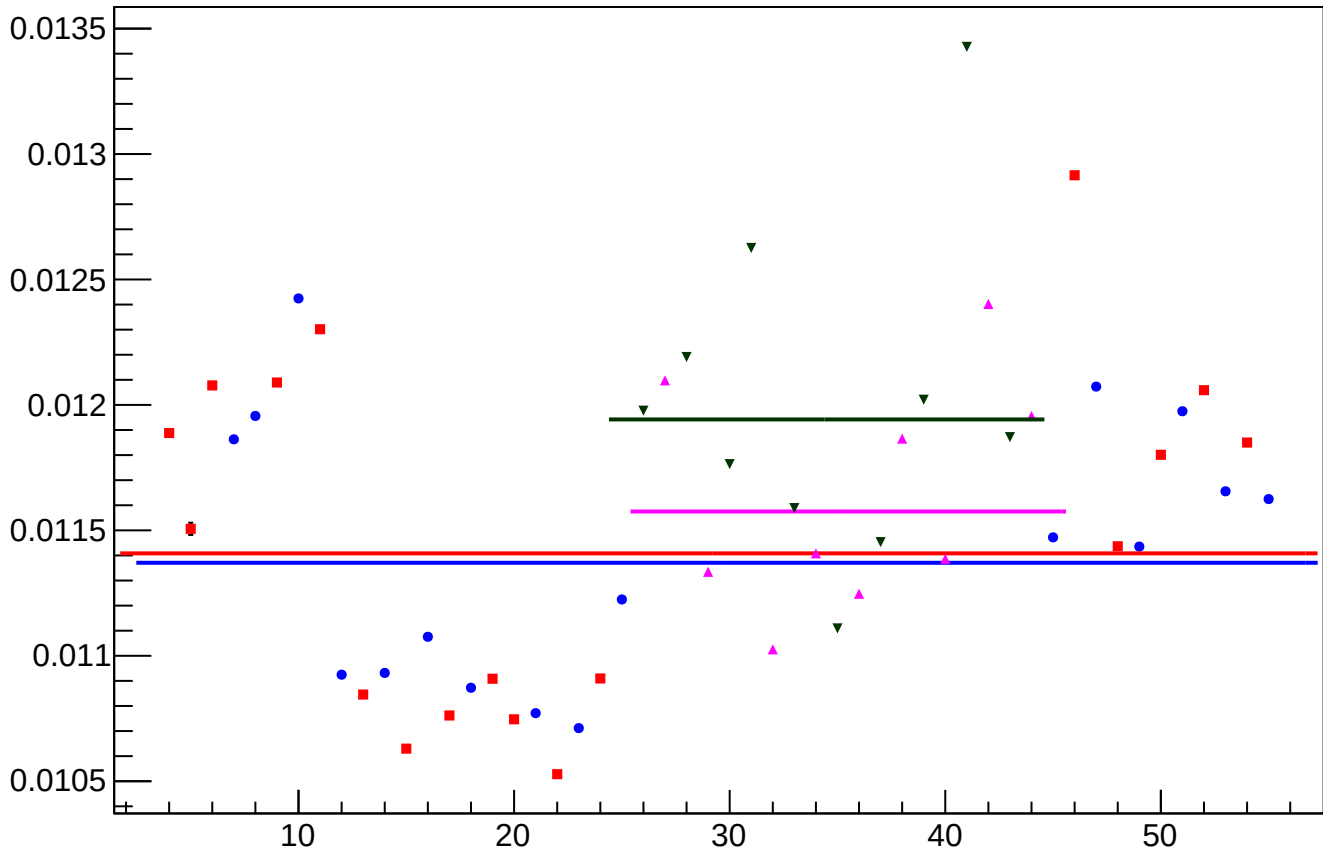
Right Out: -1.468+/-0.000 χ^2/NDF : 21969407184.9/16

Left In: -1.667+/-0.000 χ^2/NDF : 344212253.5/8

-1.509+/-0.000 χ^2/NDF : 29015494831.0/25

-1.544+/-0.000 χ^2/NDF : 23329642261.2/25

yield_bpm0l04X_rms vs slug



Right In: 0.011+/-0.000 χ^2/NDF : 41303.7/15

Left Out: 0.012+/-0.000 χ^2/NDF : 25348.0/9

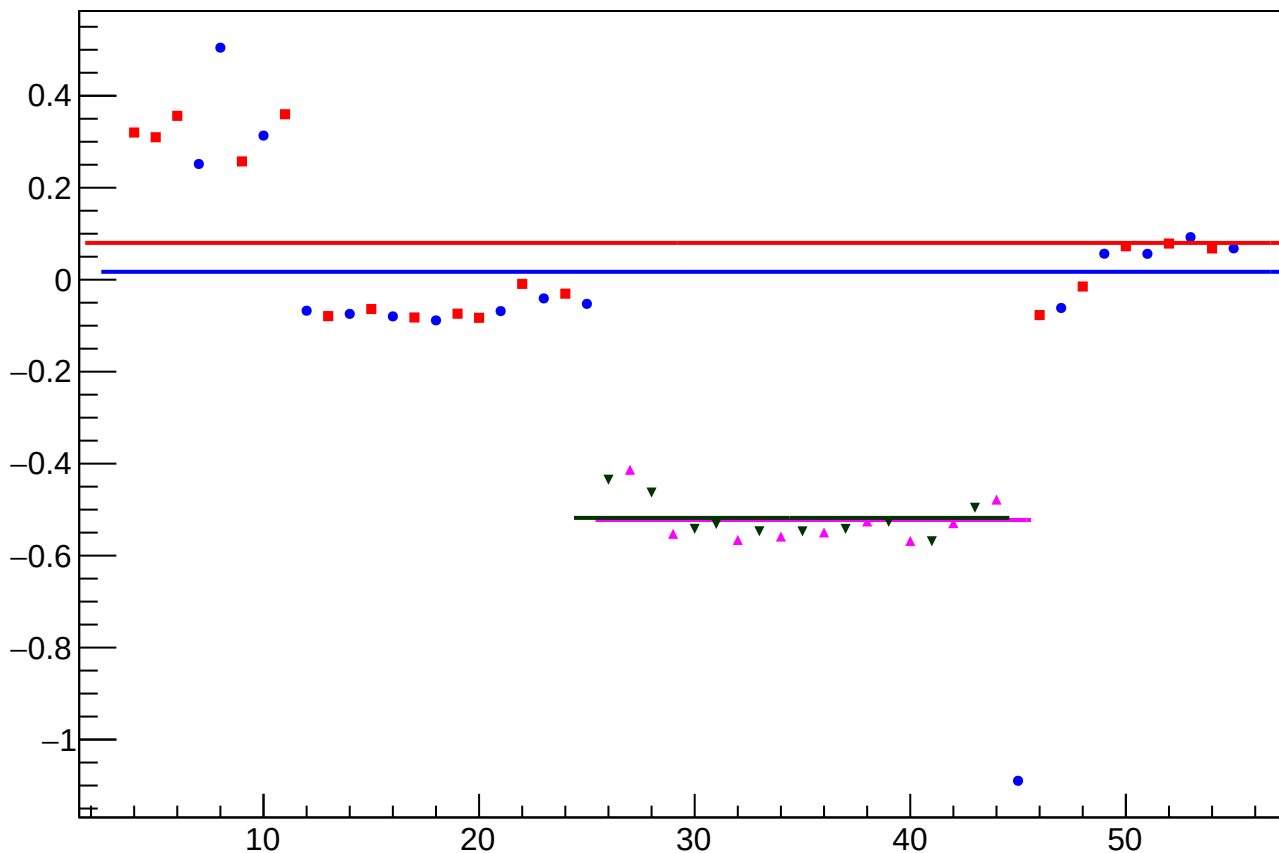
Right Out: 0.011+/-0.000 χ^2/NDF : 63875.5/16

Left In: 0.012+/-0.000 χ^2/NDF : 15888.6/8

0.012+/-0.000 χ^2/NDF : 82770.0/25

0.011+/-0.000 χ^2/NDF : 81199.3/25

yield_bpm0l04Y_mean vs slug



Right In: 0.017+/-0.000 χ^2/NDF : 18151014599.8/15

Left Out: -0.518+/-0.000 χ^2/NDF : 131878439.0/9

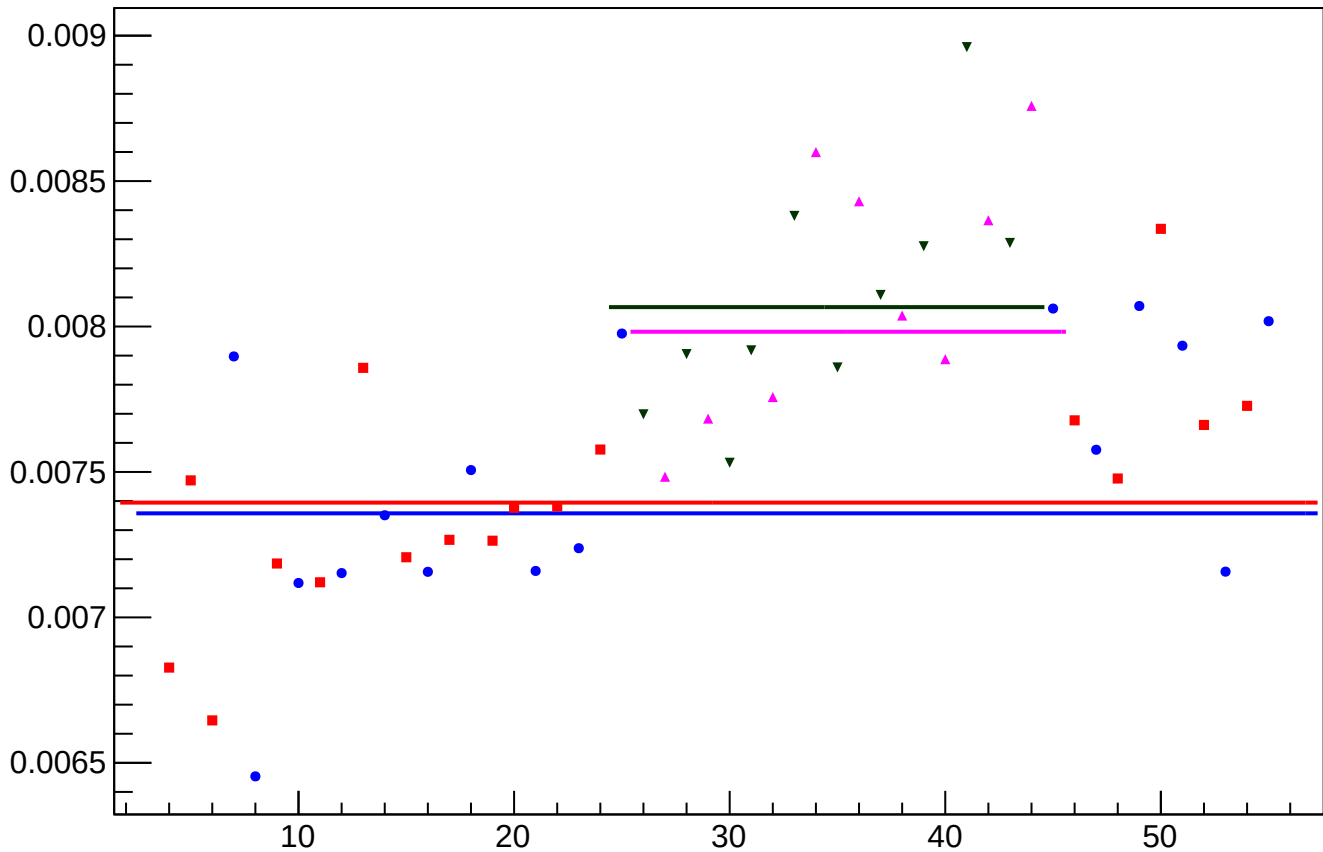
Right Out: 0.080+/-0.000 χ^2/NDF : 4559418389.3/16

Left In: -0.523+/-0.000 χ^2/NDF : 258155612.5/8

-0.147+/-0.000 χ^2/NDF : 33925233208.4/25

-0.133+/-0.000 χ^2/NDF : 25056451004.3/25

yield_bpm0l04Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 80346.1/15

Left Out: 0.008+/-0.000 χ^2/NDF :23022.1/9

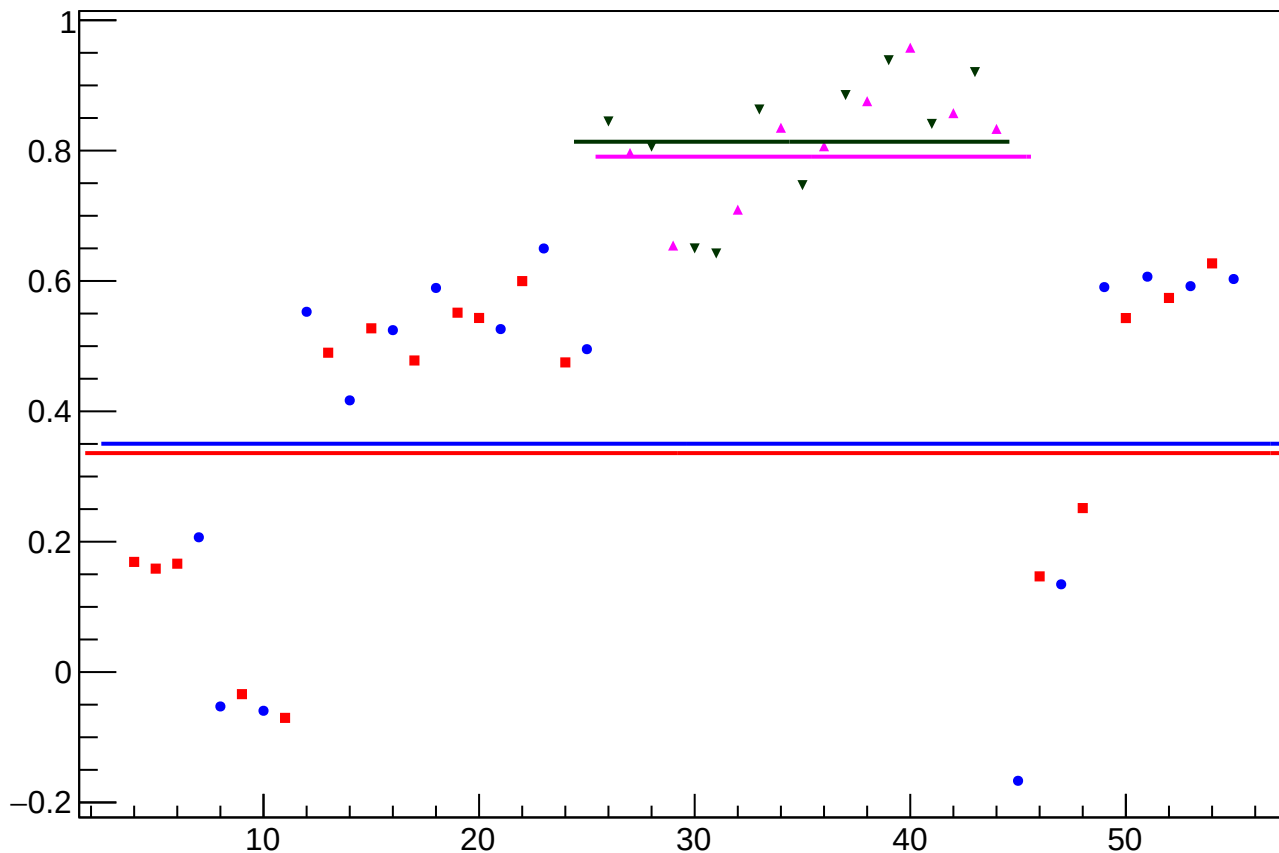
Right Out: 0.007+/-0.000 χ^2/NDF : 47362.3/16

Left In: 0.008+/-0.000 χ^2/NDF :29355.6/8

0.008+/-0.000 χ^2/NDF : 158273.9/25

0.008+/-0.000 χ^2/NDF : 115193.4/25

yield_bpm0l05X_mean vs slug



Right In: 0.350 $\pm$ 0.000 χ^2 /NDF: 16095915910.7/15

Left Out: 0.814 $\pm$ 0.000 χ^2 /NDF:993349923.9/9

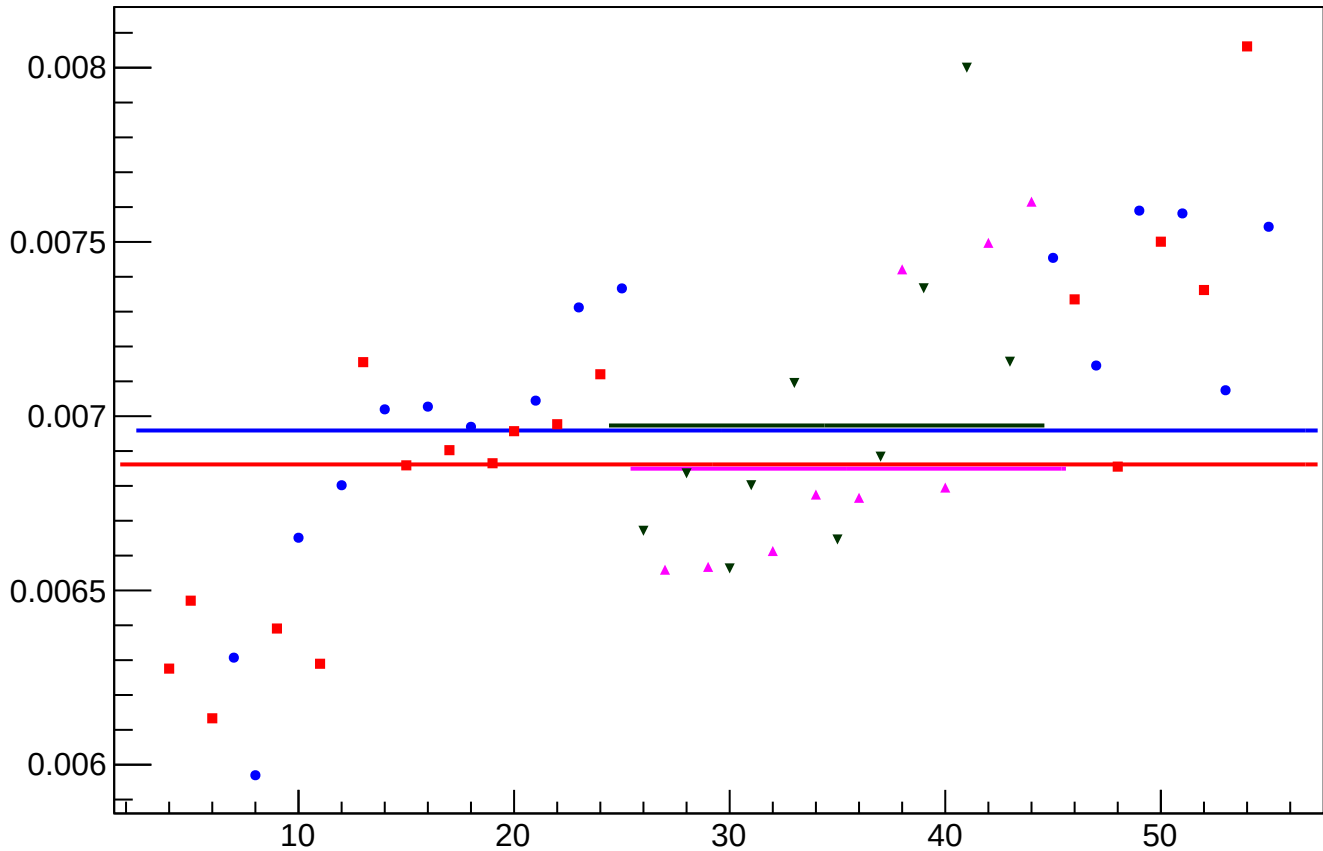
0.512 $\pm$ 0.000 χ^2 /NDF: 32074486332.5/25

Right Out: 0.336 $\pm$ 0.000 χ^2 /NDF: 10744524146.6/16

0.513 $\pm$ 0.000 χ^2 /NDF: 26581685715.4/25

Left In: 0.791 $\pm$ 0.000 χ^2 /NDF:932399689.3/8

yield_bpm0l05X_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 92246.7/15

Left Out: 0.007+/-0.000 χ^2/NDF : 32912.7/9

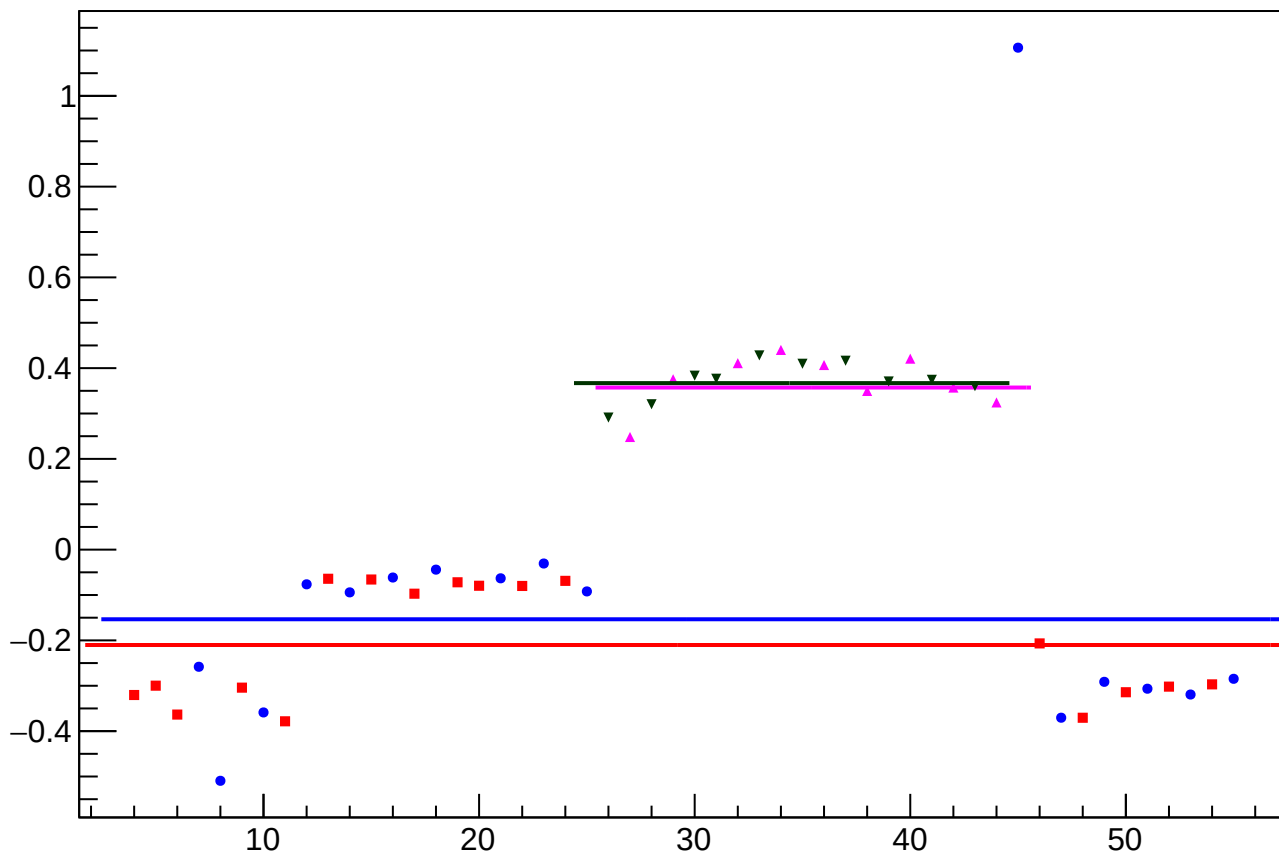
Right Out: 0.007+/-0.000 χ^2/NDF : 86869.9/16

Left In: 0.007+/-0.000 χ^2/NDF : 33164.0/8

0.007+/-0.000 χ^2/NDF : 125188.3/25

0.007+/-0.000 χ^2/NDF : 120055.4/25

yield_bpm0l05Y_mean vs slug



Right In: -0.153+/-0.000 χ^2/NDF : 36314780151.9/15

Left Out: 0.367+/-0.000 χ^2/NDF :258003359.9/9

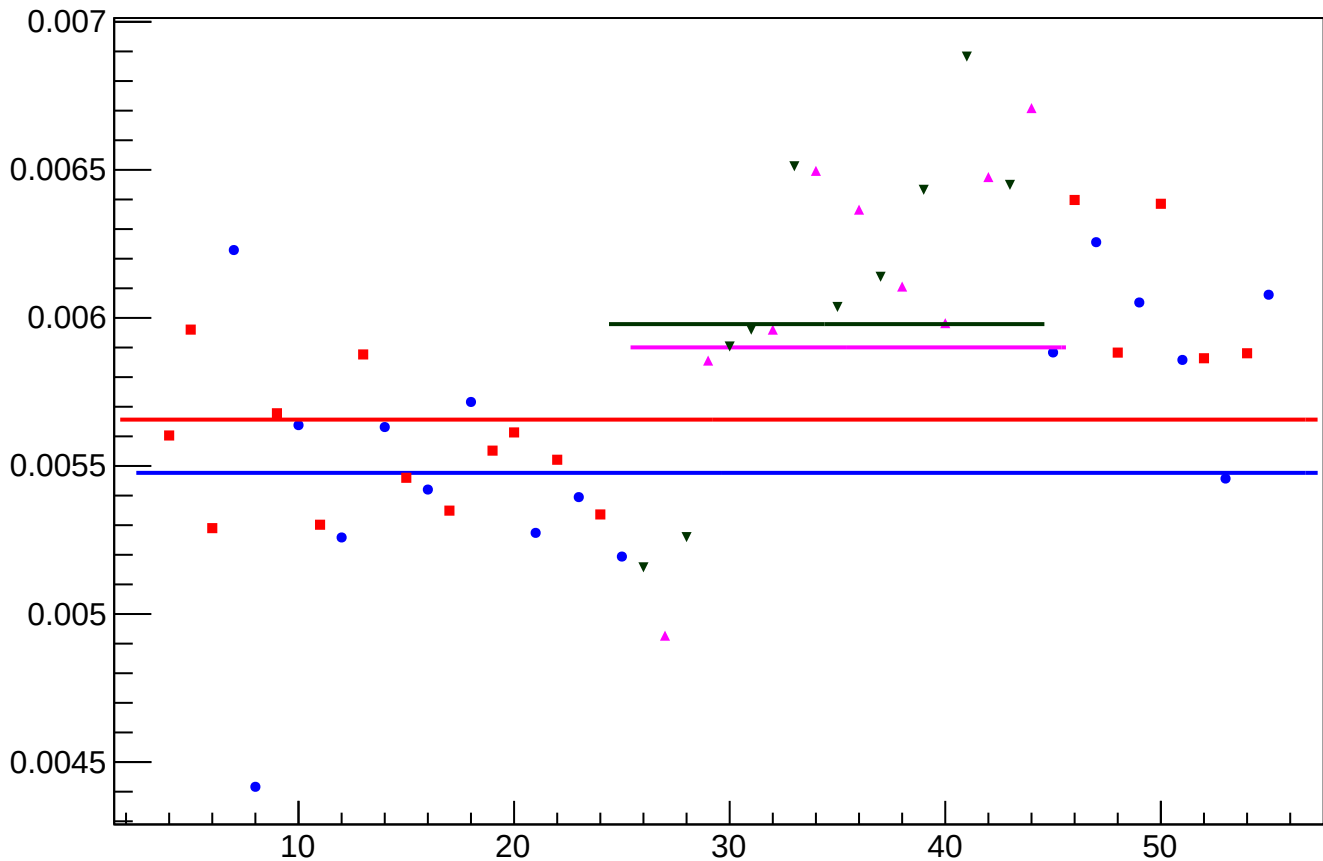
0.007+/-0.000 χ^2/NDF : 63029521979.3/25

Right Out: -0.210+/-0.000 χ^2/NDF : 4421120567.0/16

-0.002+/-0.000 χ^2/NDF : 36723291779.7/25

Left In: 0.357+/-0.000 χ^2/NDF :650314960.7/8

yield_bpm0l05Y_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 167587.5/15

Left Out: 0.006+/-0.000 χ^2/NDF :84407.0/9

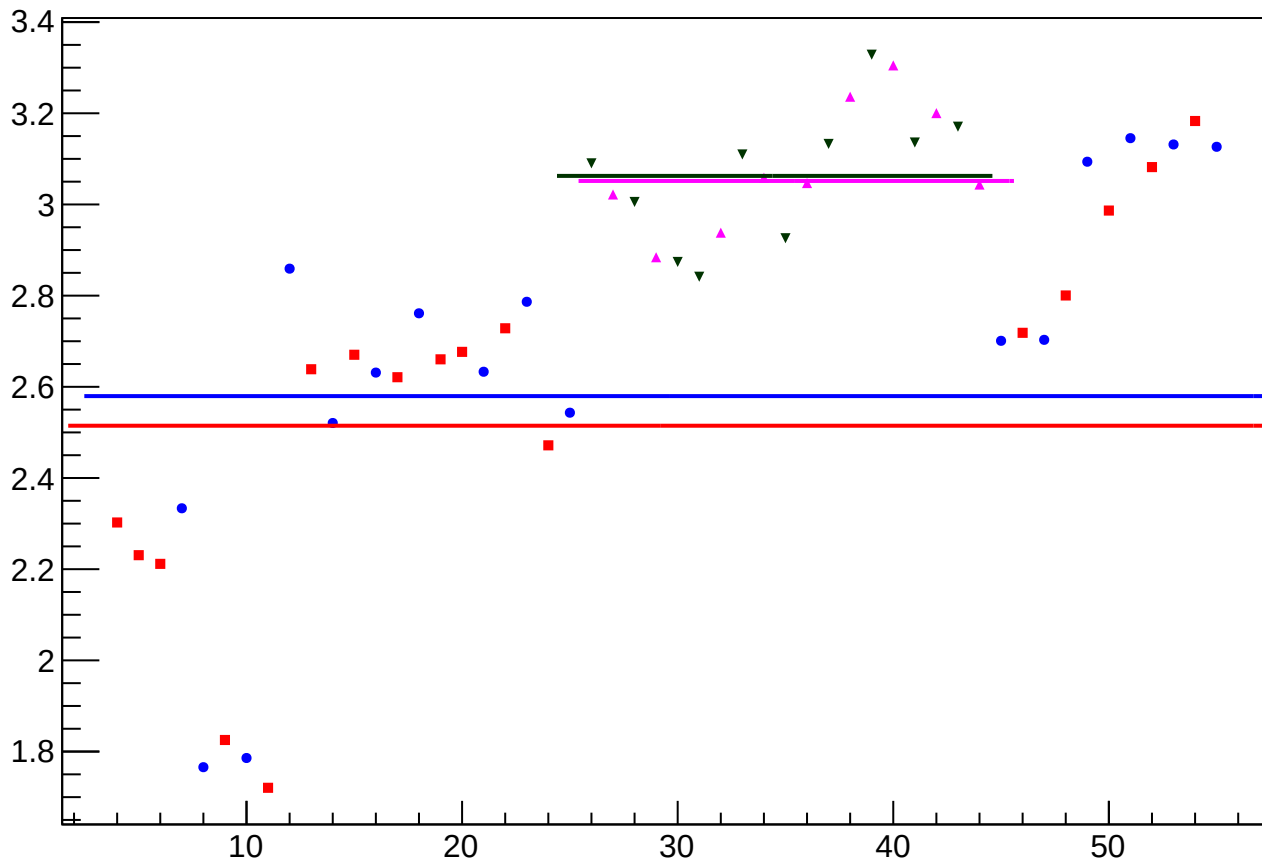
Right Out: 0.006+/-0.000 χ^2/NDF : 54137.2/16

Left In: 0.006+/-0.000 χ^2/NDF :101099.8/8

0.006+/-0.000 χ^2/NDF : 301291.4/25

0.006+/-0.000 χ^2/NDF : 166935.4/25

yield_bpm0l06X_mean vs slug



Right In: 2.580 $\pm$ 0.000 χ^2 /NDF: 13755660094.3/15

Left Out: 3.063 $\pm$ 0.000 χ^2 /NDF:1107067165.5/9

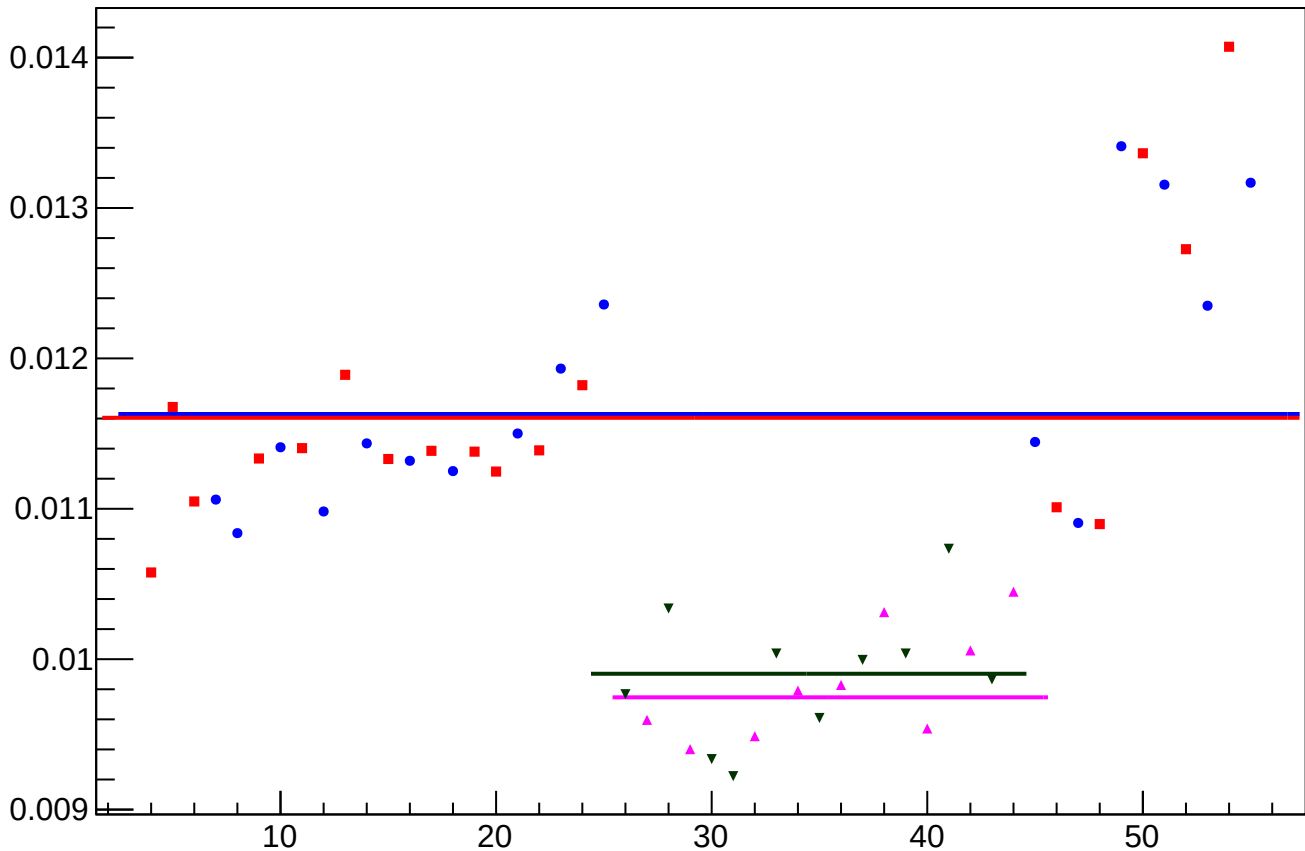
Right Out: 2.515 $\pm$ 0.000 χ^2 /NDF: 10507615446.0/16

Left In: 3.052 $\pm$ 0.000 χ^2 /NDF:1015989993.5/8

2.787 $\pm$ 0.000 χ^2 /NDF: 22008122489.3/25

2.770 $\pm$ 0.000 χ^2 /NDF: 20352313706.7/25

yield_bpm0l06X_rms vs slug



Right In: 0.012+/-0.000 χ^2/NDF : 85155.0/15

Left Out: 0.010+/-0.000 χ^2/NDF :18813.8/9

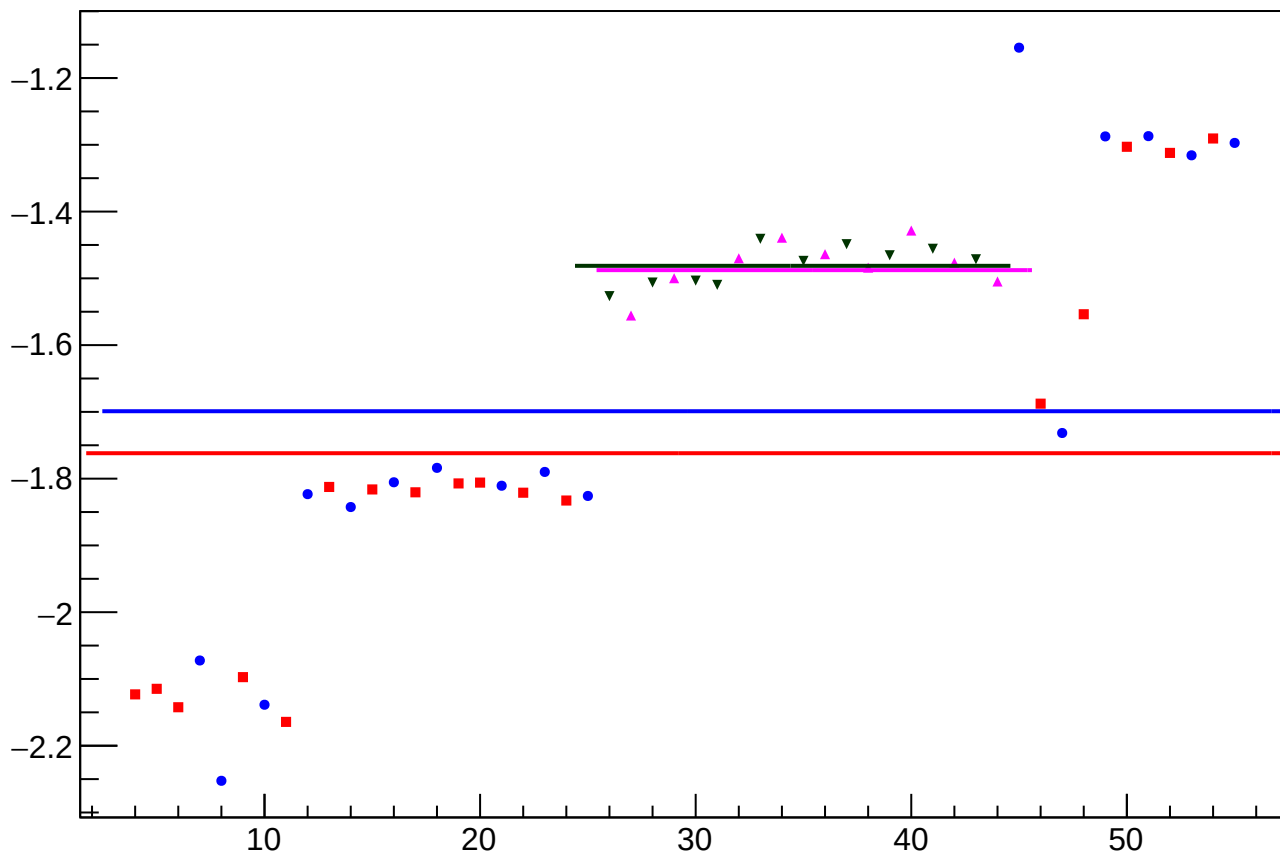
0.011+/-0.000 χ^2/NDF : 286677.4/25

Right Out: 0.012+/-0.000 χ^2/NDF : 80300.0/16

0.011+/-0.000 χ^2/NDF : 305142.9/25

Left In: 0.010+/-0.000 χ^2/NDF :13193.9/8

yield_bpm0l06Y_mean vs slug



Right In: -1.699 ± 0.000 χ^2/NDF : 53318876318.8/15

Left Out: -1.481 ± 0.000 χ^2/NDF : 133314200.9/9

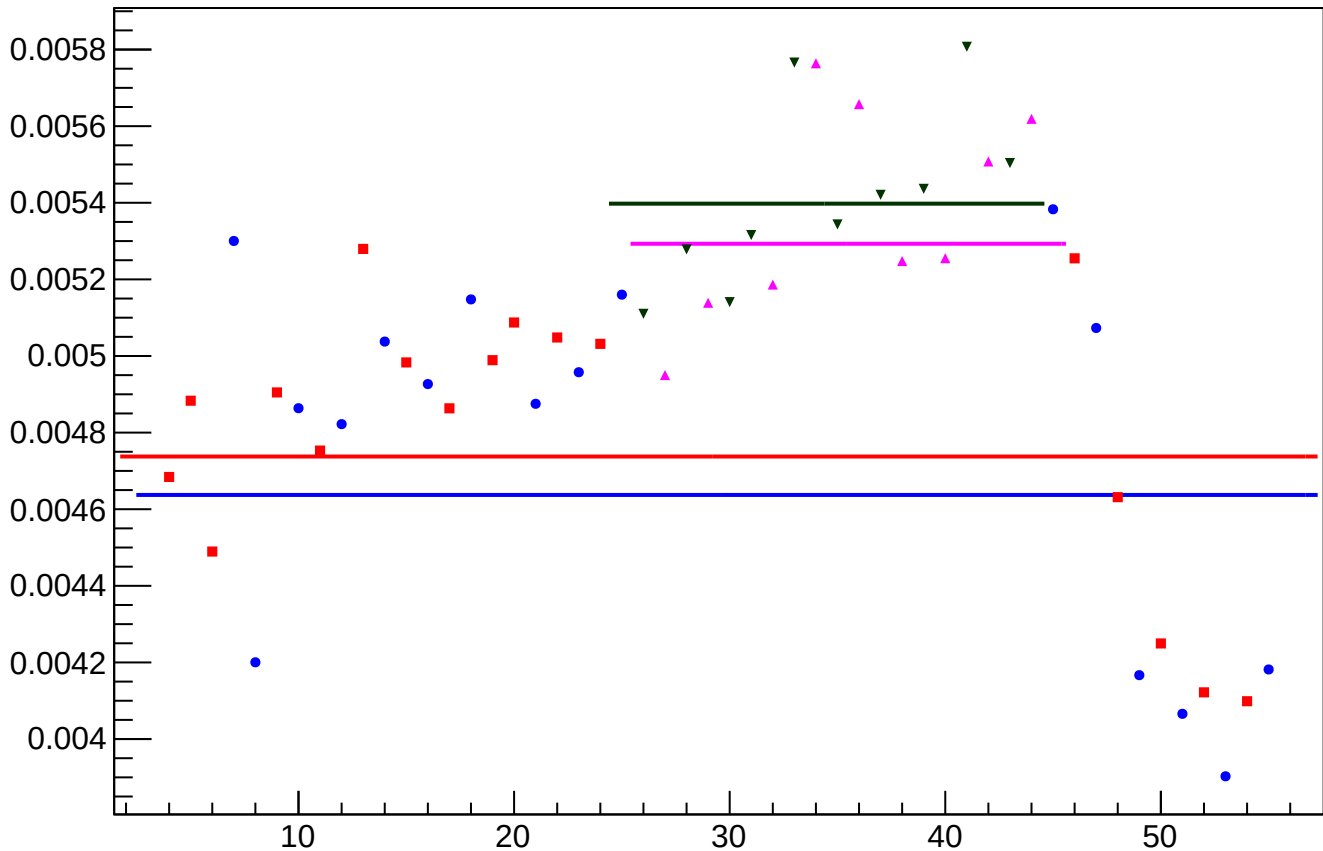
Right Out: -1.762 ± 0.000 χ^2/NDF : 35421222374.0/16

Left In: -1.488 ± 0.000 χ^2/NDF : 281282296.5/8

-1.637 ± 0.000 χ^2/NDF : 59438481617.3/25

-1.669 ± 0.000 χ^2/NDF : 45463283084.8/25

yield_bpm0l06Y_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 190979.6/15

Left Out: 0.005+/-0.000 χ^2/NDF :16600.8/9

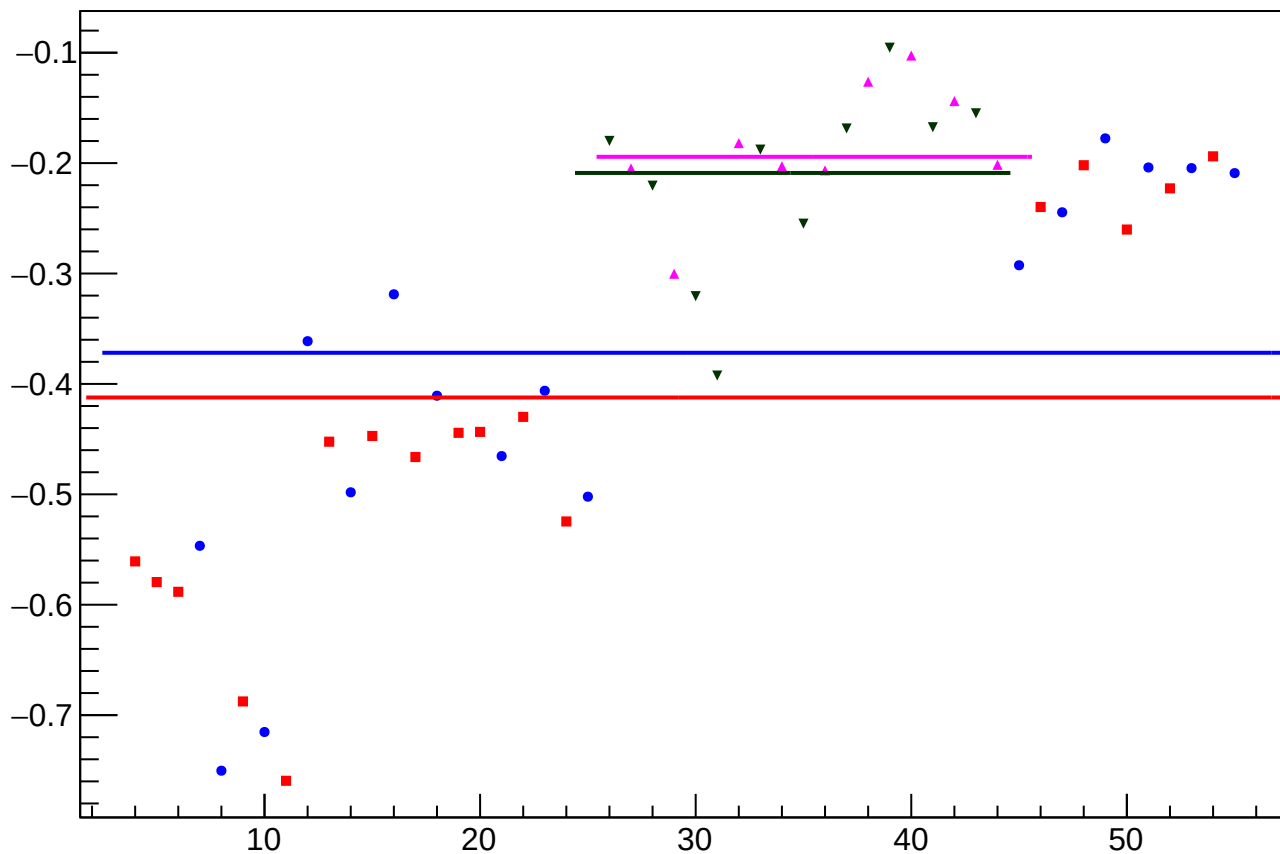
0.005+/-0.000 χ^2/NDF : 353563.6/25

Right Out: 0.005+/-0.000 χ^2/NDF : 113228.0/16

0.005+/-0.000 χ^2/NDF : 219111.5/25

Left In: 0.005+/-0.000 χ^2/NDF :25779.4/8

yield_bpm0l07X_mean vs slug



Right In: -0.372+/-0.000 χ^2 /NDF: 1473491543.8/15

Left Out: -0.209+/-0.000 χ^2 /NDF:145606796.2/9

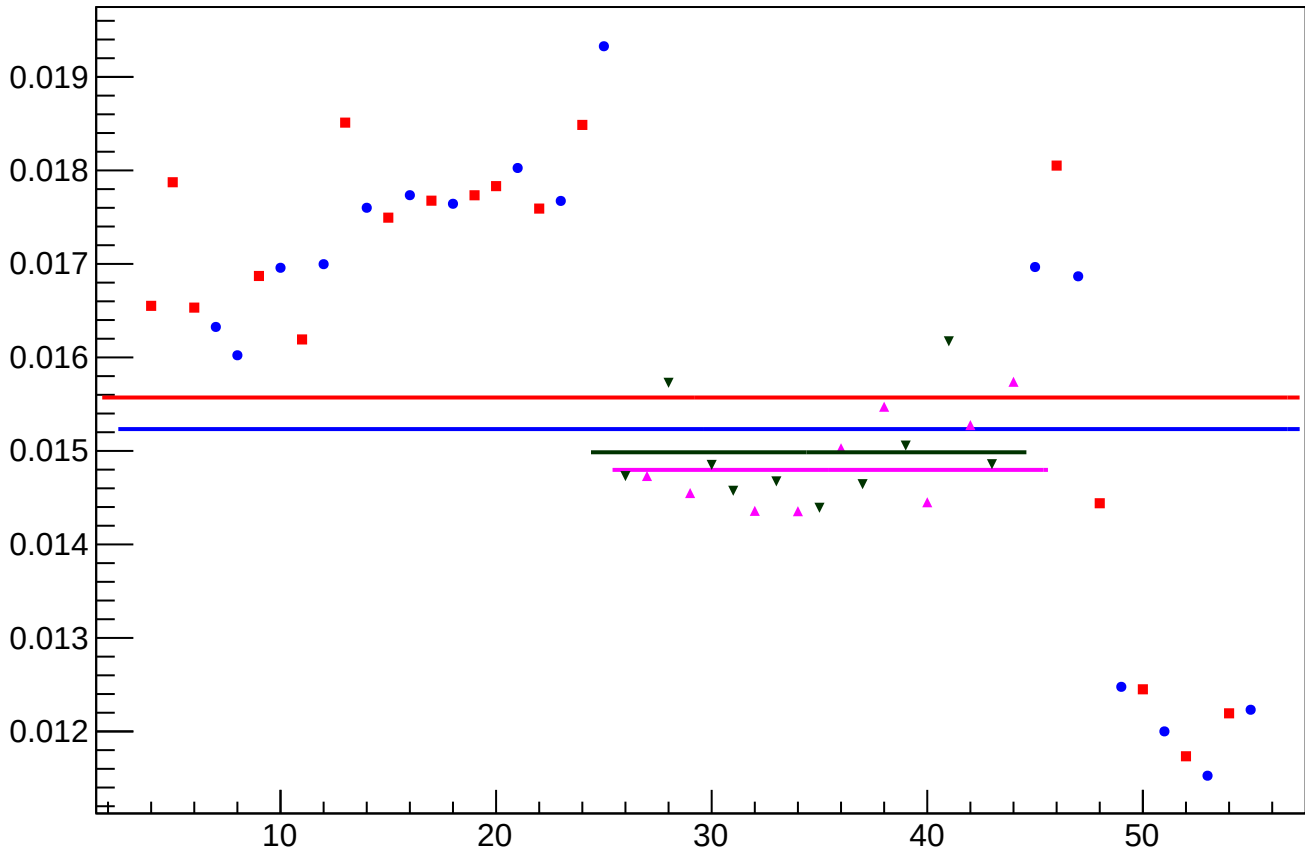
Right Out: -0.412+/-0.000 χ^2 /NDF: 1168430007.4/16

Left In: -0.194+/-0.000 χ^2 /NDF:81659796.5/8

-0.312+/-0.000 χ^2 /NDF: 2016730531.4/25

-0.320+/-0.000 χ^2 /NDF: 1950982396.7/25

yield_bpm0l07X_rms vs slug



Right In: 0.015 $\pm$ 0.000 χ^2/NDF : 532838.5/15

Left Out: 0.015 $\pm$ 0.000 χ^2/NDF : 13214.2/9

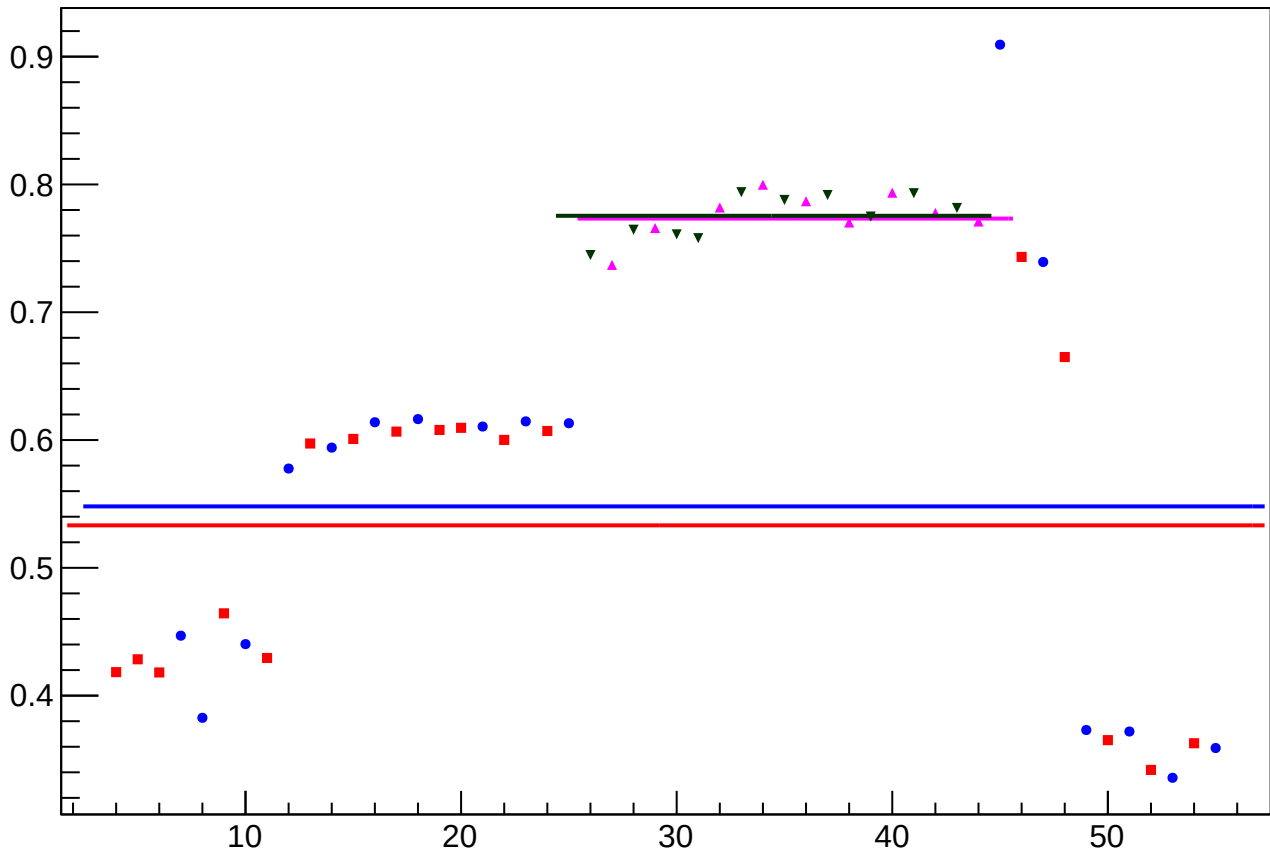
Right Out: 0.016 $\pm$ 0.000 χ^2/NDF : 441897.2/16

Left In: 0.015 $\pm$ 0.000 χ^2/NDF : 10554.2/8

0.015 $\pm$ 0.000 χ^2/NDF : 547898.3/25

0.015 $\pm$ 0.000 χ^2/NDF : 470124.6/25

yield_bpm0l07Y_mean vs slug



Right In: 0.548 $\pm$ 0.000 χ^2 /NDF: 19049641314.3/15

Left Out: 0.775 $\pm$ 0.000 χ^2 /NDF:122038329.5/9

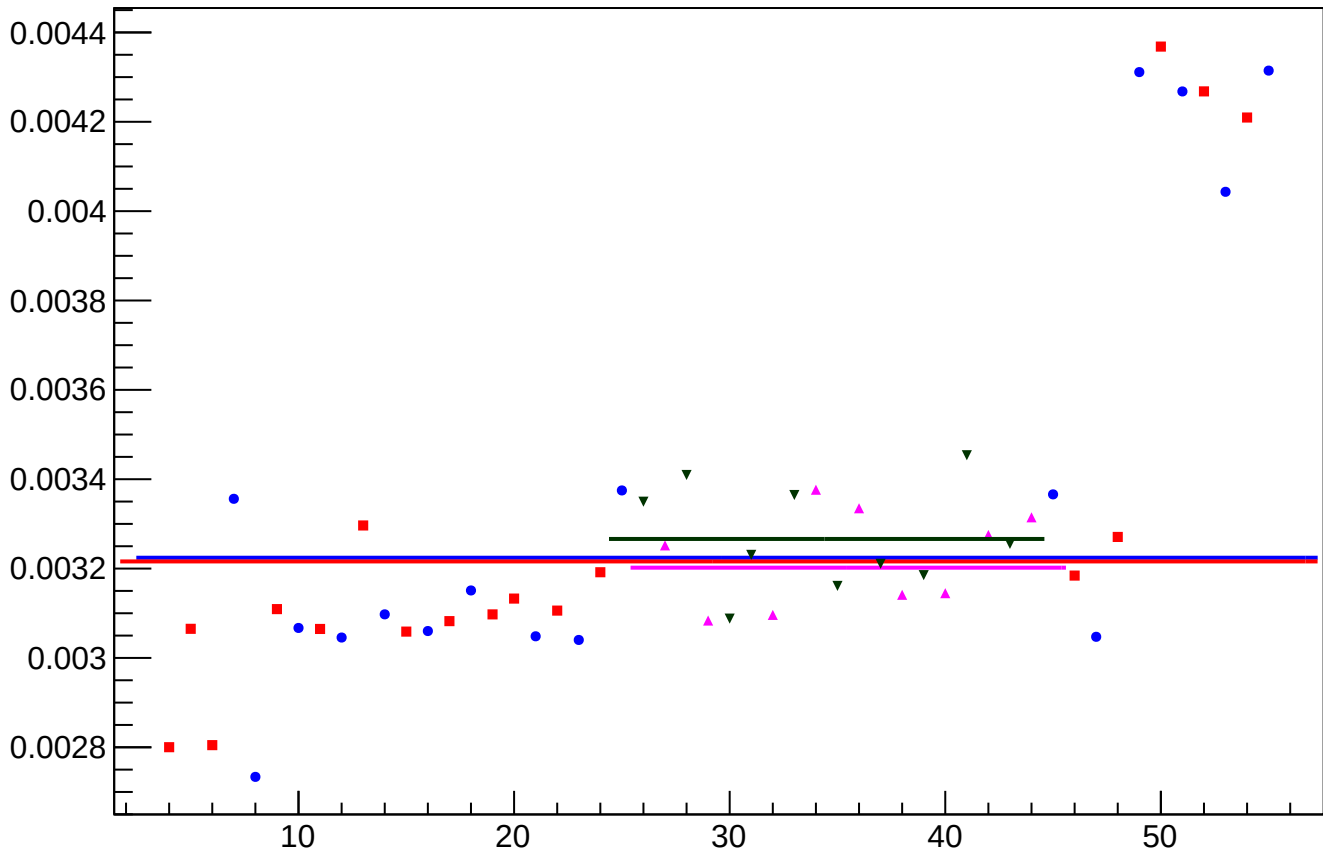
0.627 $\pm$ 0.000 χ^2 /NDF: 35558044010.5/25

Right Out: 0.533 $\pm$ 0.000 χ^2 /NDF: 10125919915.1/16

0.628 $\pm$ 0.000 χ^2 /NDF: 29105552408.0/25

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 : 355414.6/15

Left Out: 0.003+/-0.000 χ^2/NDF :12873.3/9

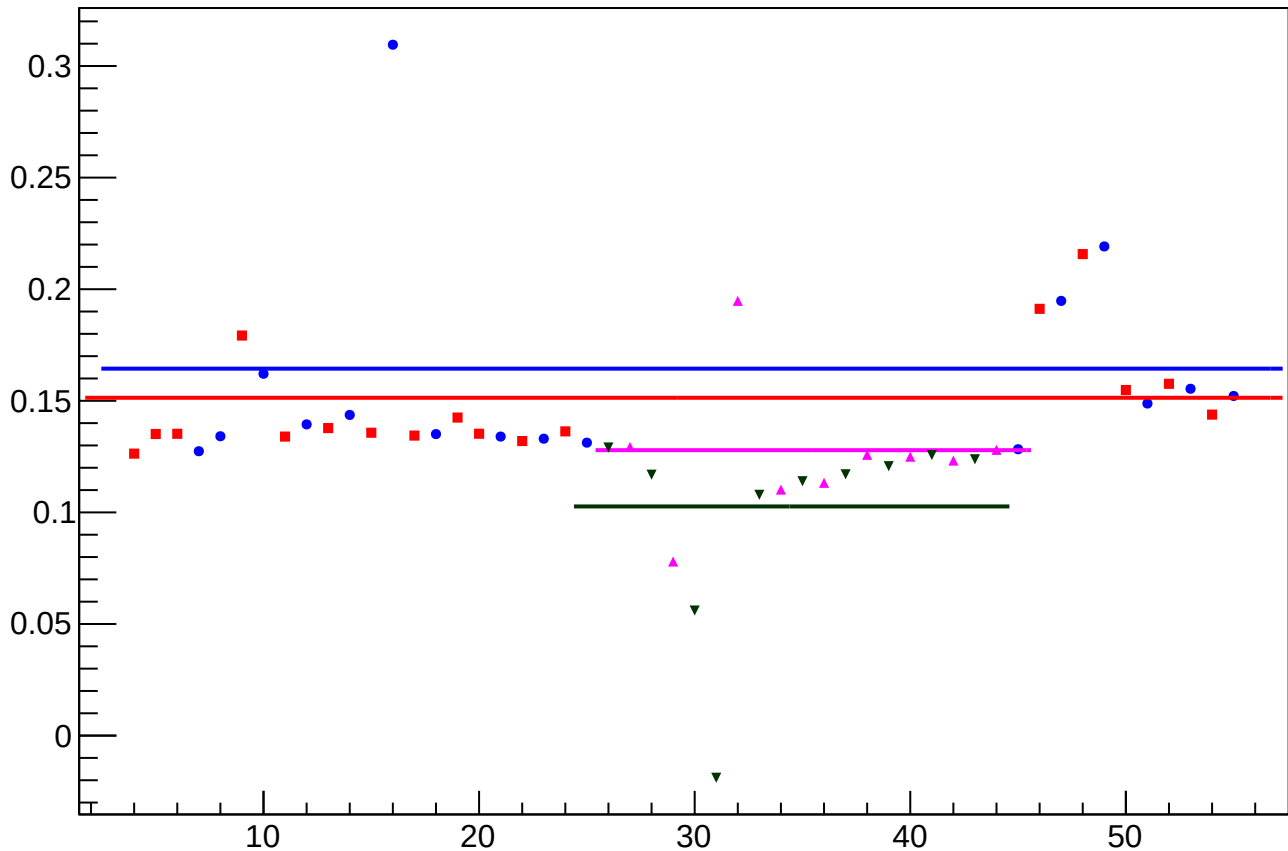
Right Out: 0.003+/-0.000 χ^2/NDF : 247743.2/16

Left In: 0.003+/-0.000 χ^2/NDF :11463.7/8

0.003+/-0.000 χ^2/NDF : 369406.8/25

0.003+/-0.000 χ^2/NDF : 259334.0/25

yield_bpm0l08X_mean vs slug



Right In: 0.164 ± 0.000 χ^2/NDF : 92506517.6/15

Left Out: 0.103 ± 0.000 χ^2/NDF : 42575286.2/9

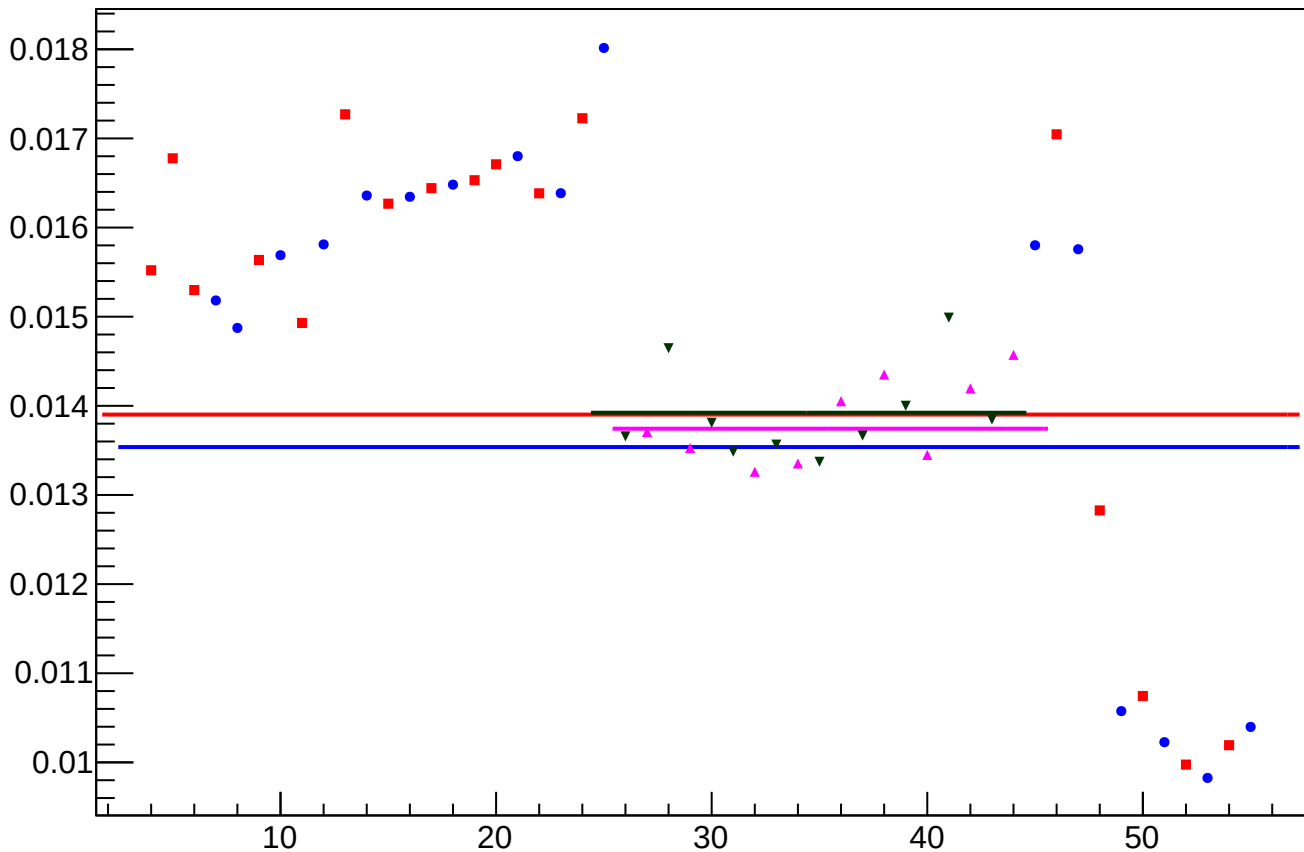
Right Out: 0.151 ± 0.000 χ^2/NDF : 22431887.7/16

Left In: 0.128 ± 0.000 χ^2/NDF : 35319224.9/8

0.143 ± 0.000 χ^2/NDF : 202992537.2/25

0.142 ± 0.000 χ^2/NDF : 67404764.7/25

yield_bpm0l08X_rms vs slug



Right In: 0.014+/-0.000 χ^2/NDF : 836004.9/15

Left Out: 0.014+/-0.000 χ^2/NDF :13410.6/9

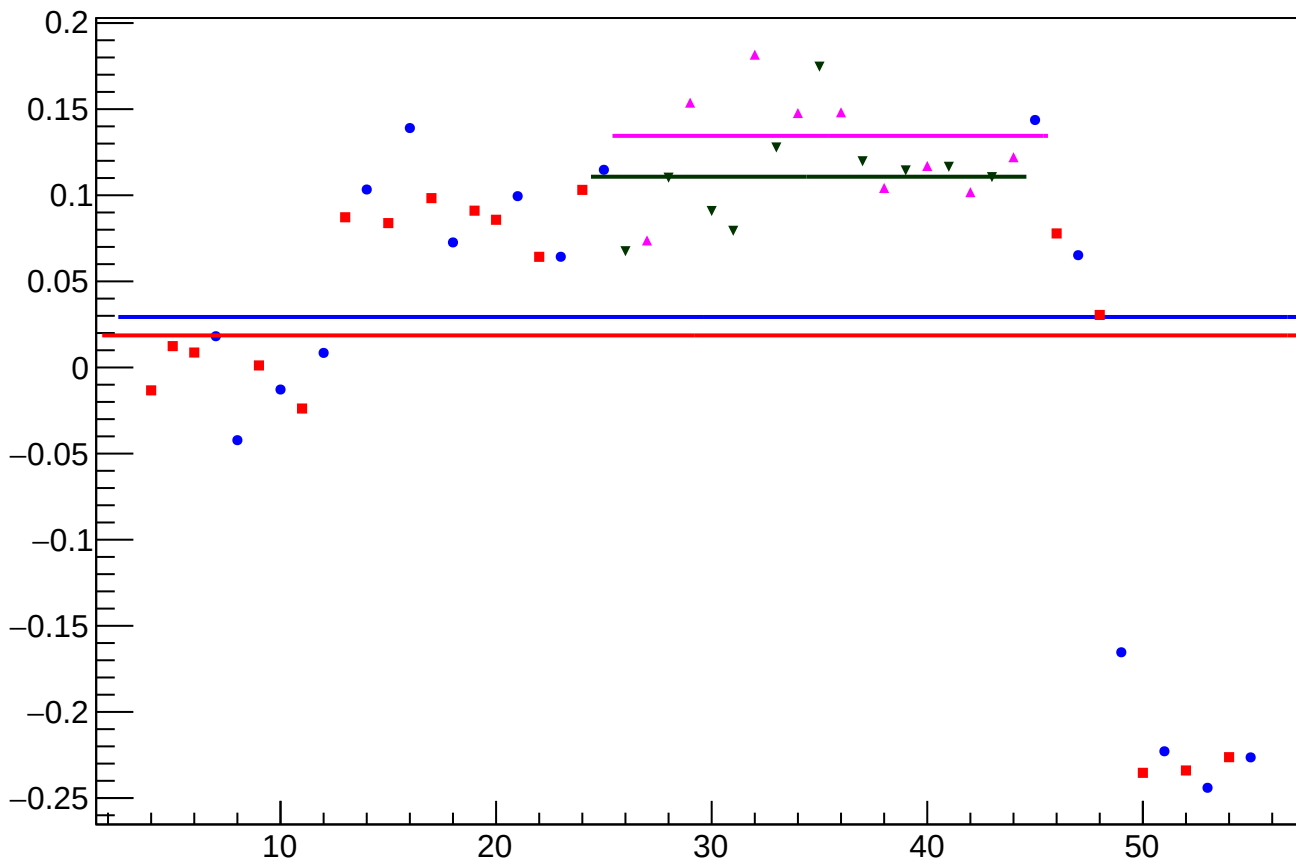
Right Out: 0.014+/-0.000 χ^2/NDF : 699243.2/16

Left In: 0.014+/-0.000 χ^2/NDF :10776.7/8

0.014+/-0.000 χ^2/NDF : 854702.0/25

0.014+/-0.000 χ^2/NDF : 710897.8/25

yield_bpm0l08Y_mean vs slug



Right In: 0.029+/-0.000 χ^2/NDF : 8885744989.8/15

Left Out: 0.111+/-0.000 χ^2/NDF : 325634113.5/9

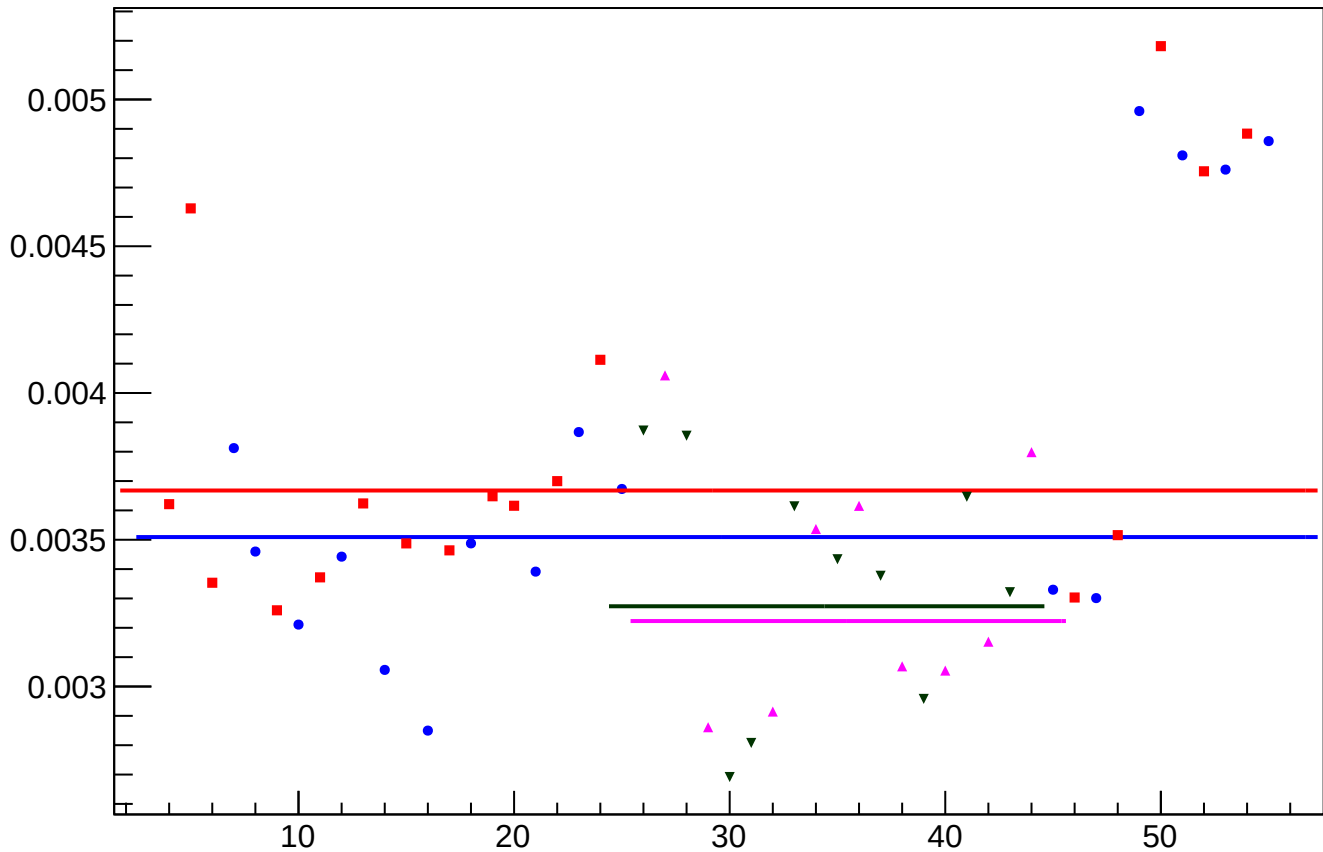
0.061+/-0.000 χ^2/NDF : 11126504339.5/25

Right Out: 0.019+/-0.000 χ^2/NDF : 5701289161.4/16

0.072+/-0.000 χ^2/NDF : 10060108384.7/25

Left In: 0.134+/-0.000 χ^2/NDF : 584141111.2/8

yield_bpm0l08Y_rms vs slug



Right In: 0.004 ± 0.000 χ^2/NDF : 502062.5/15

Left Out: 0.003 ± 0.000 χ^2/NDF : 157067.3/9

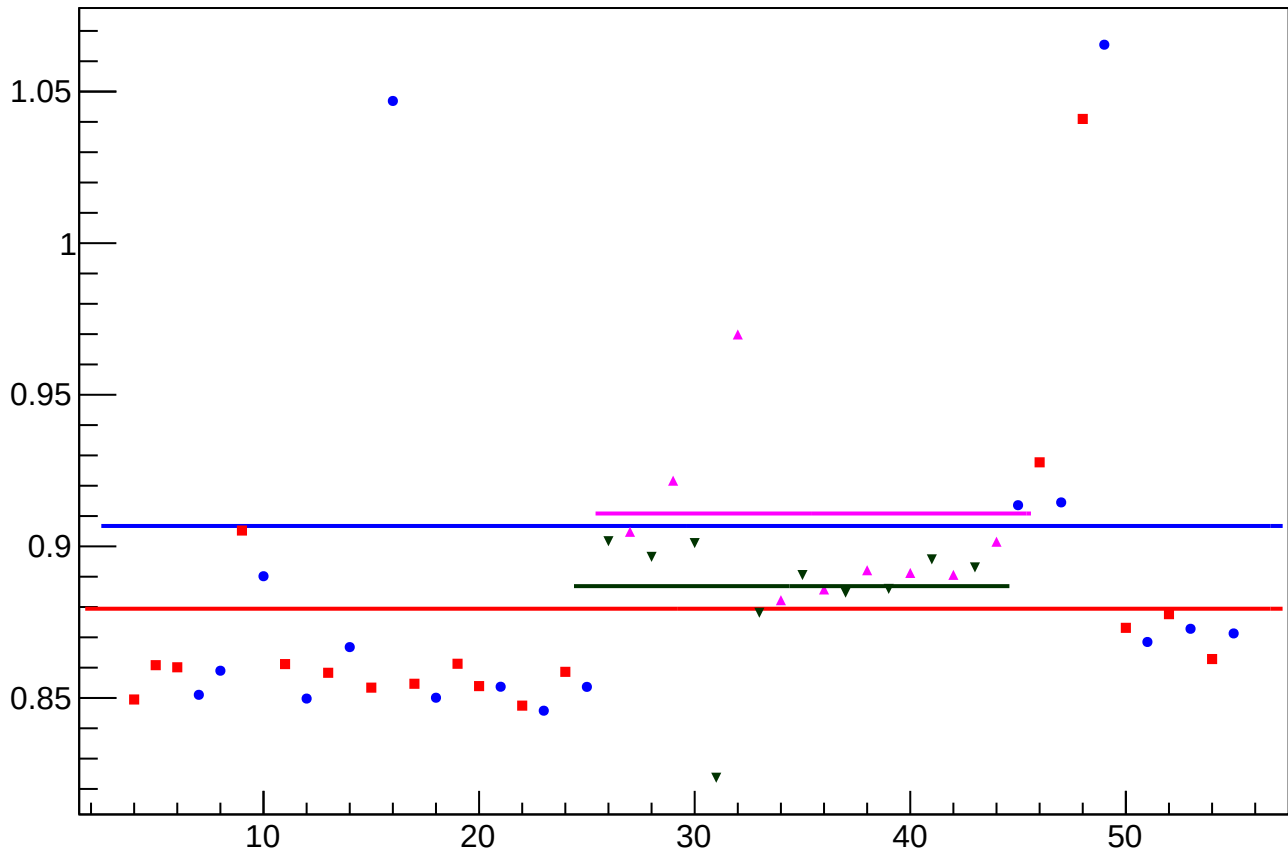
0.003 ± 0.000 χ^2/NDF : 691225.9/25

Right Out: 0.004 ± 0.000 χ^2/NDF : 293839.3/16

0.003 ± 0.000 χ^2/NDF : 568402.9/25

Left In: 0.003 ± 0.000 χ^2/NDF : 163315.9/8

yield_bpm0l09X_mean vs slug



Right In: 0.907 $\pm$ 0.000 χ^2 /NDF: 311025320.6/15

Left Out: 0.887 $\pm$ 0.000 χ^2 /NDF:10371268.3/9

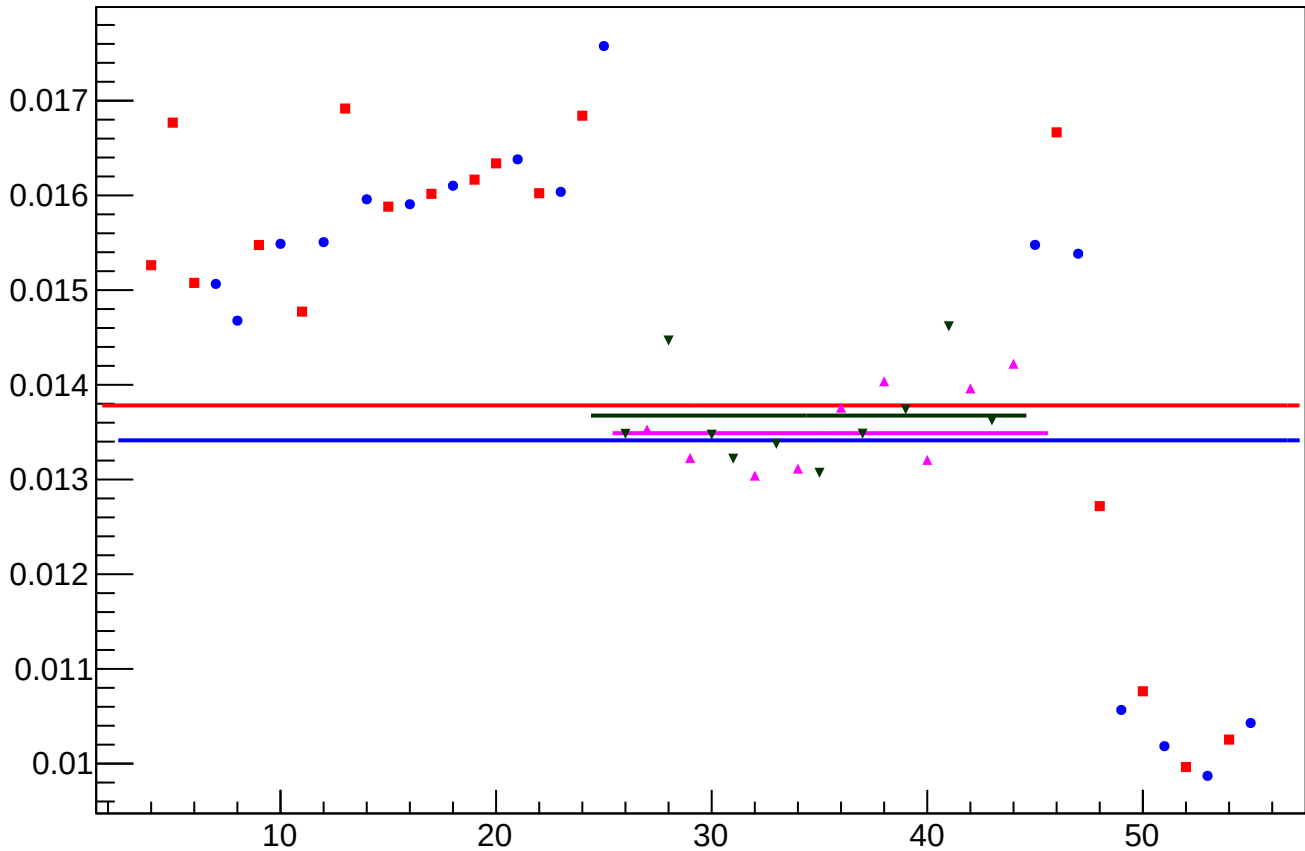
0.900 $\pm$ 0.000 χ^2 /NDF: 328627653.0/25

Right Out: 0.879 $\pm$ 0.000 χ^2 /NDF: 91955992.9/16

0.892 $\pm$ 0.000 χ^2 /NDF: 135761826.1/25

Left In: 0.911 $\pm$ 0.000 χ^2 /NDF:26013449.3/8

yield_bpm0l09X_rms vs slug



Right In: 0.013+/-0.000 χ^2/NDF : 753003.7/15

Left Out: 0.014+/-0.000 χ^2/NDF :13316.5/9

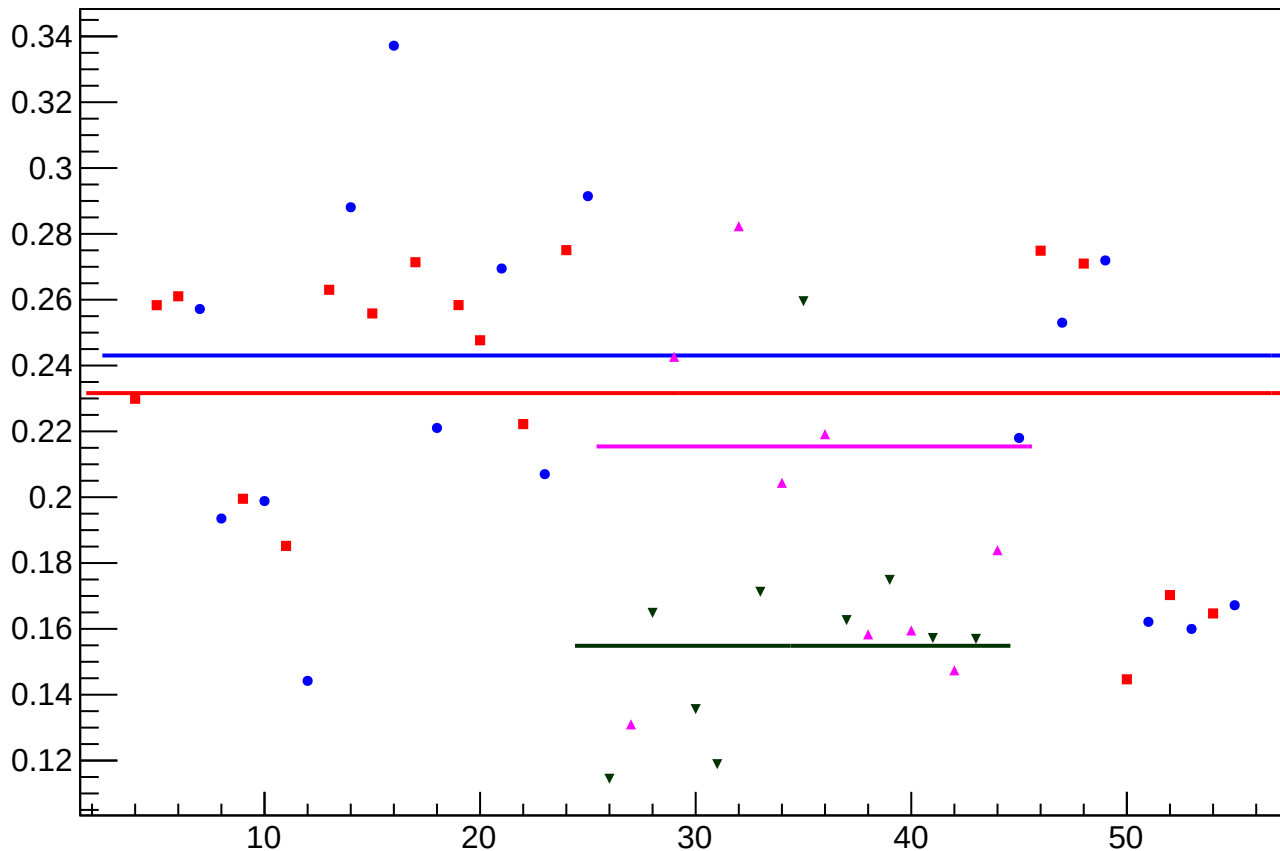
0.014+/-0.000 χ^2/NDF : 768835.0/25

Right Out: 0.014+/-0.000 χ^2/NDF : 631490.6/16

0.014+/-0.000 χ^2/NDF : 644454.8/25

Left In: 0.013+/-0.000 χ^2/NDF :9868.2/8

yield_bpm0l09Y_mean vs slug



Right In: 0.243+/-0.000 χ^2/NDF : 2125709149.9/15

Left Out: 0.155+/-0.000 χ^2/NDF :491584814.3/9

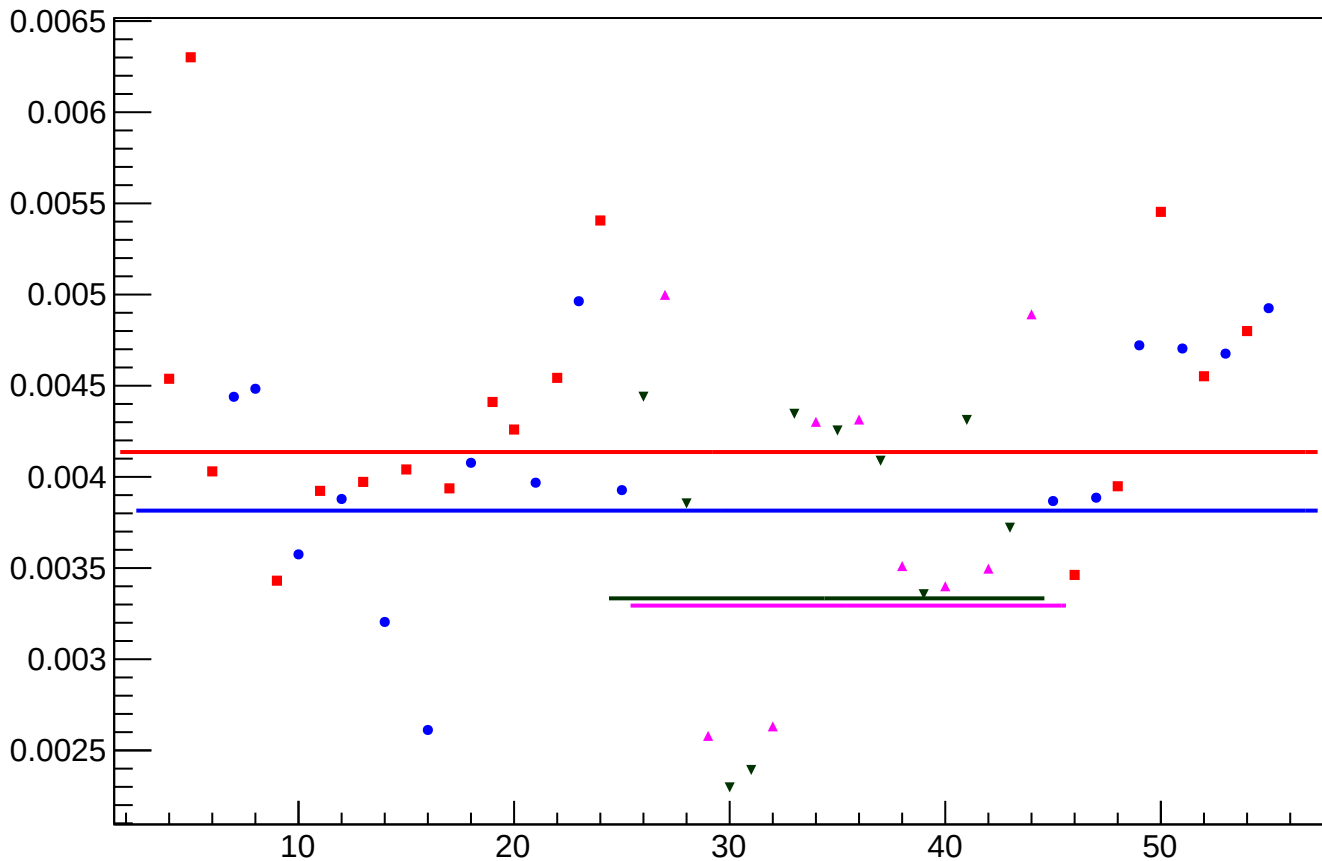
Right Out: 0.232+/-0.000 χ^2/NDF : 785260176.7/16

Left In: 0.215+/-0.000 χ^2/NDF :1302153804.0/8

0.207+/-0.000 χ^2/NDF : 4563141078.8/25

0.224+/-0.000 χ^2/NDF : 2148292109.4/25

yield_bpm0l09Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 614128.0/15

Left Out: 0.003+/-0.000 χ^2/NDF :596508.1/9

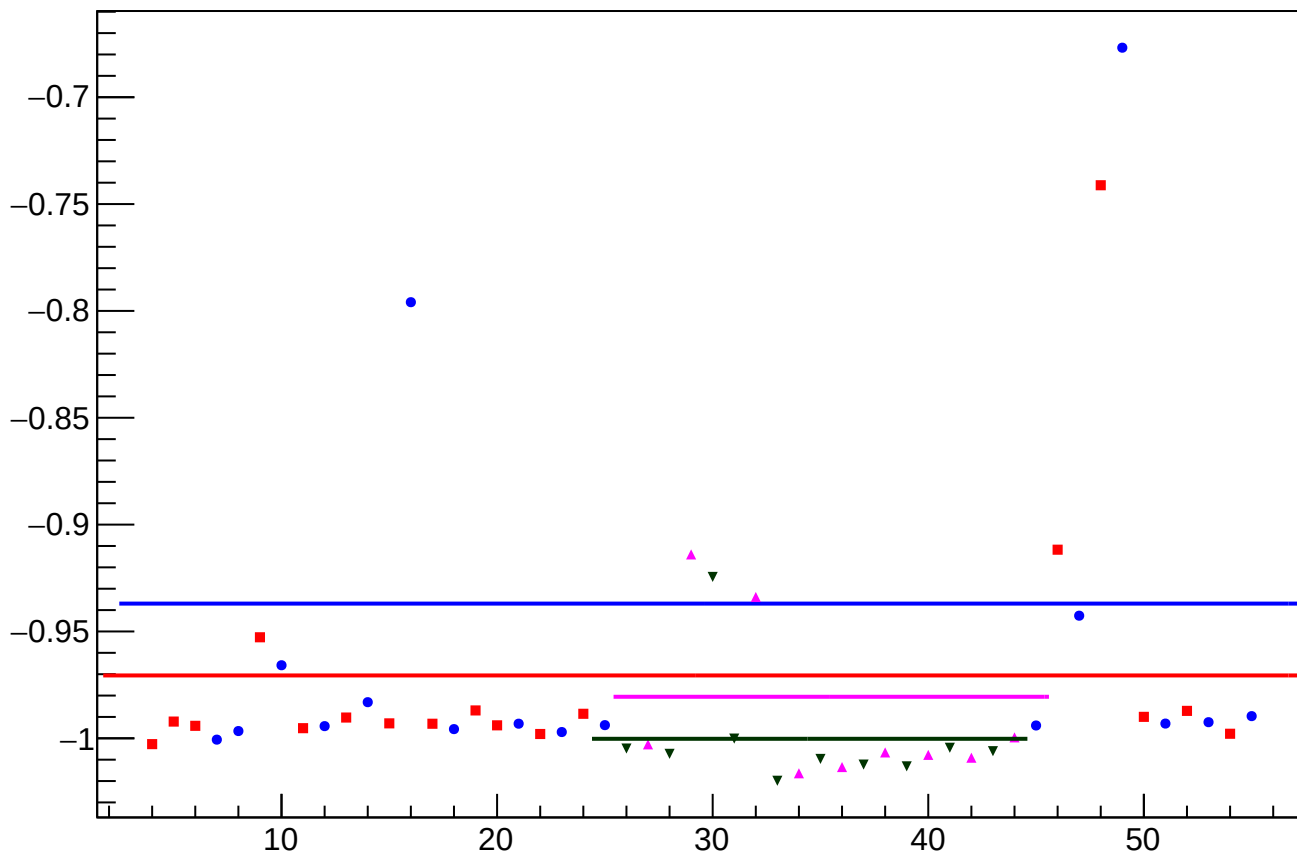
Right Out: 0.004+/-0.000 χ^2/NDF : 287336.9/16

Left In: 0.003+/-0.000 χ^2/NDF :624356.7/8

0.004+/-0.000 χ^2/NDF : 1326507.7/25

0.004+/-0.000 χ^2/NDF : 1240451.4/25

yield_bpm0l10X_mean vs slug



Right In: -0.937+/-0.000 χ^2/NDF : 634124045.0/15

Left Out: -1.000+/-0.000 χ^2/NDF : 20984094.7/9

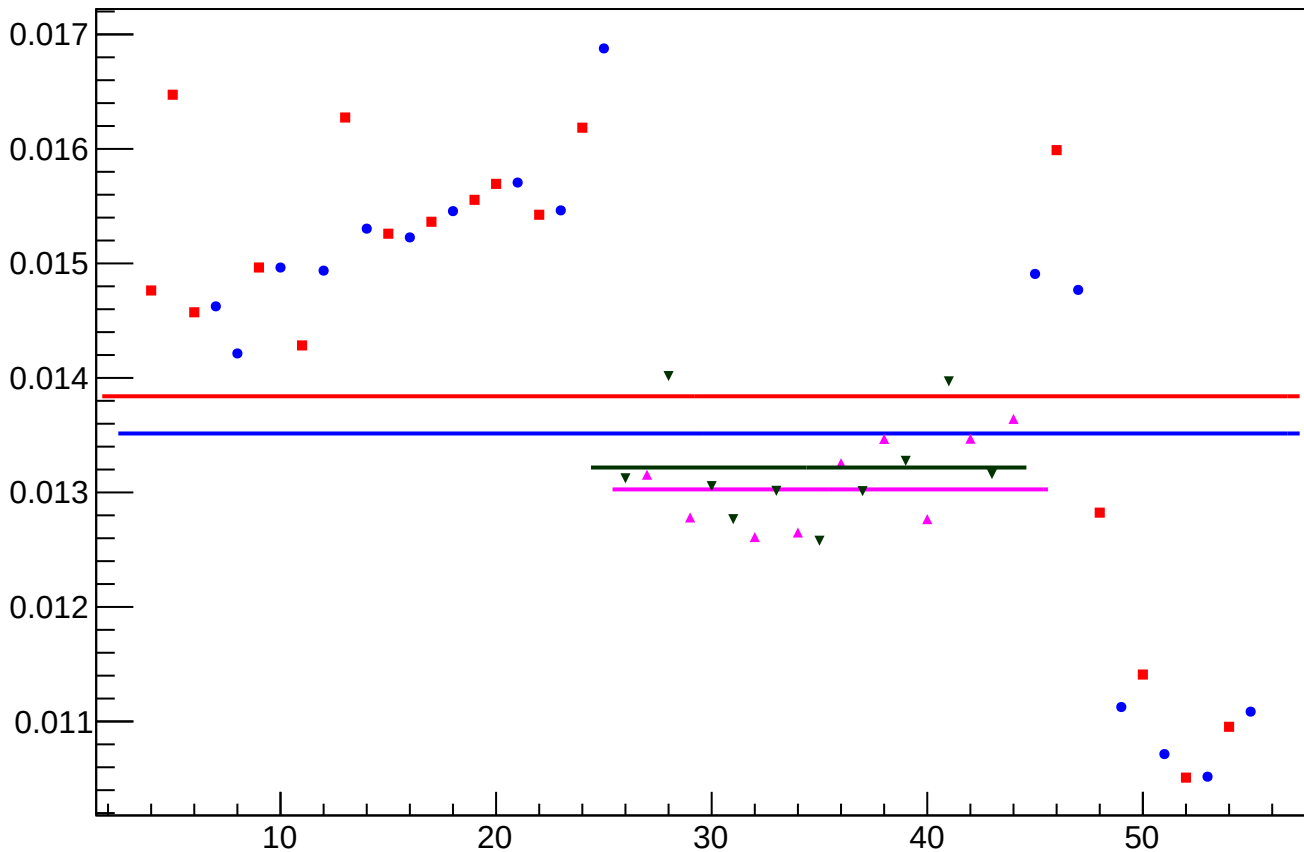
Right Out: -0.971+/-0.000 χ^2/NDF : 172050001.8/16

Left In: -0.981+/-0.000 χ^2/NDF : 51761164.5/8

-0.960+/-0.000 χ^2/NDF : 731757902.2/25

-0.975+/-0.000 χ^2/NDF : 225684685.4/25

yield_bpm0l10X_rms vs slug



Right In: 0.014+/-0.000 χ^2/NDF : 447738.1/15

Left Out: 0.013+/-0.000 χ^2/NDF :12265.8/9

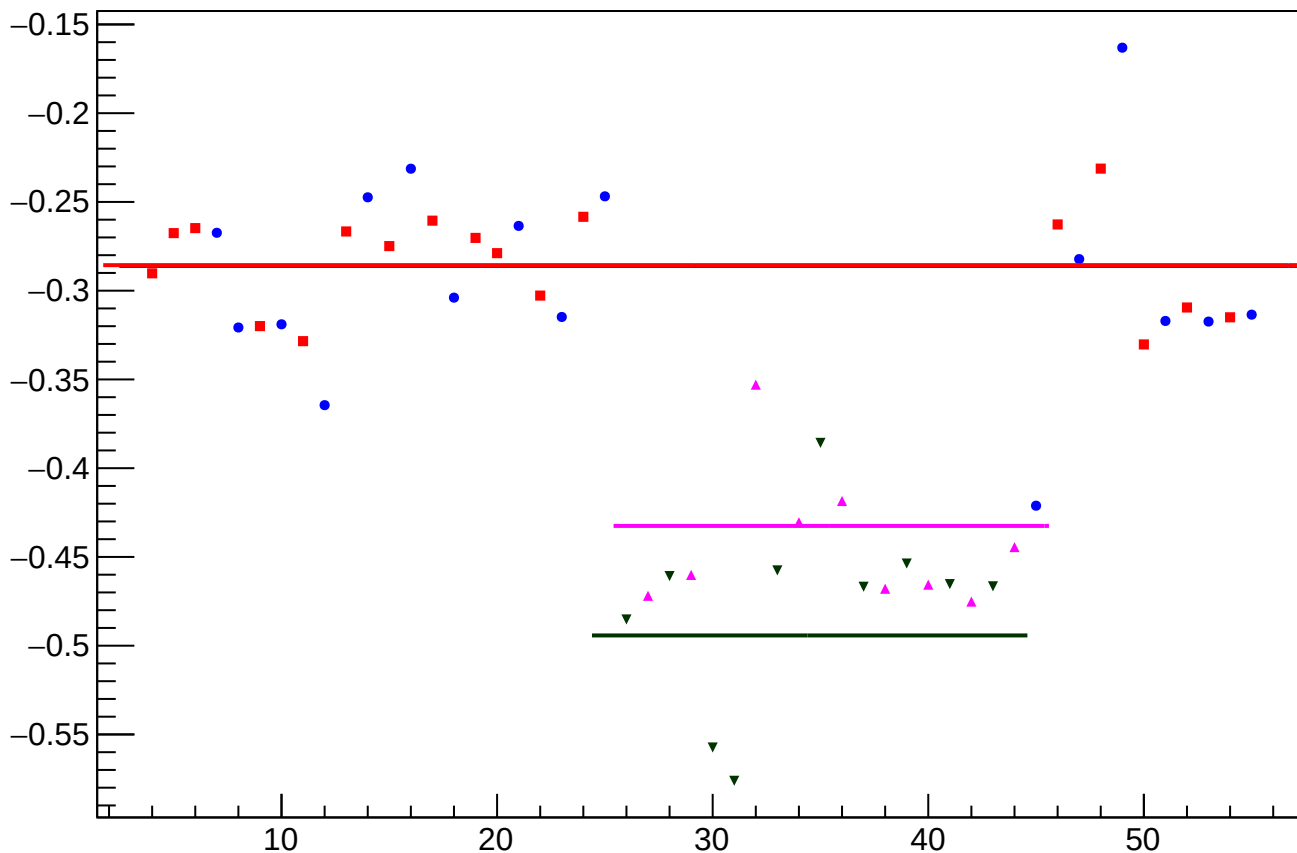
0.013+/-0.000 χ^2/NDF : 463387.1/25

Right Out: 0.014+/-0.000 χ^2/NDF : 381350.9/16

0.013+/-0.000 χ^2/NDF : 414800.4/25

Left In: 0.013+/-0.000 χ^2/NDF :8570.4/8

yield_bpm0l10Y_mean vs slug



Right In: -0.286+/-0.000 χ^2/NDF : 2562257023.1/15

Left Out: -0.494+/-0.000 χ^2/NDF : 1568805763.5/9

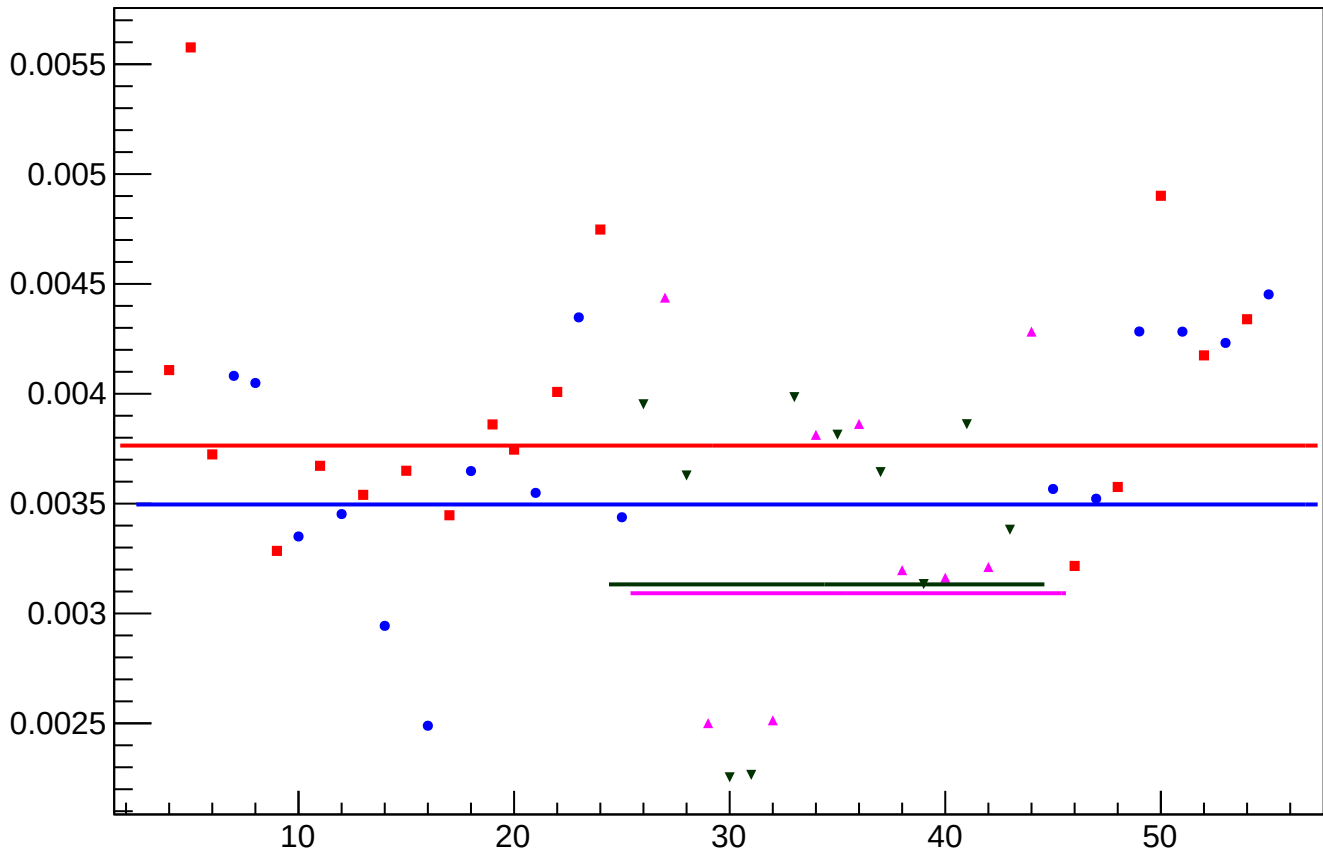
Right Out: -0.286+/-0.000 χ^2/NDF : 480303135.9/16

Left In: -0.433+/-0.000 χ^2/NDF : 1186728653.8/8

-0.368+/-0.000 χ^2/NDF : 16899481718.3/25

-0.356+/-0.000 χ^2/NDF : 7624305511.3/25

yield_bpm0l10Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 512516.9/15

Left Out: 0.003+/-0.000 χ^2/NDF : 463941.8/9

0.003+/-0.000 χ^2/NDF : 1054403.3/25

Right Out: 0.004+/-0.000 χ^2/NDF : 232373.0/16

0.003+/-0.000 χ^2/NDF : 954557.6/25

Left In: 0.003+/-0.000 χ^2/NDF : 472745.5/8