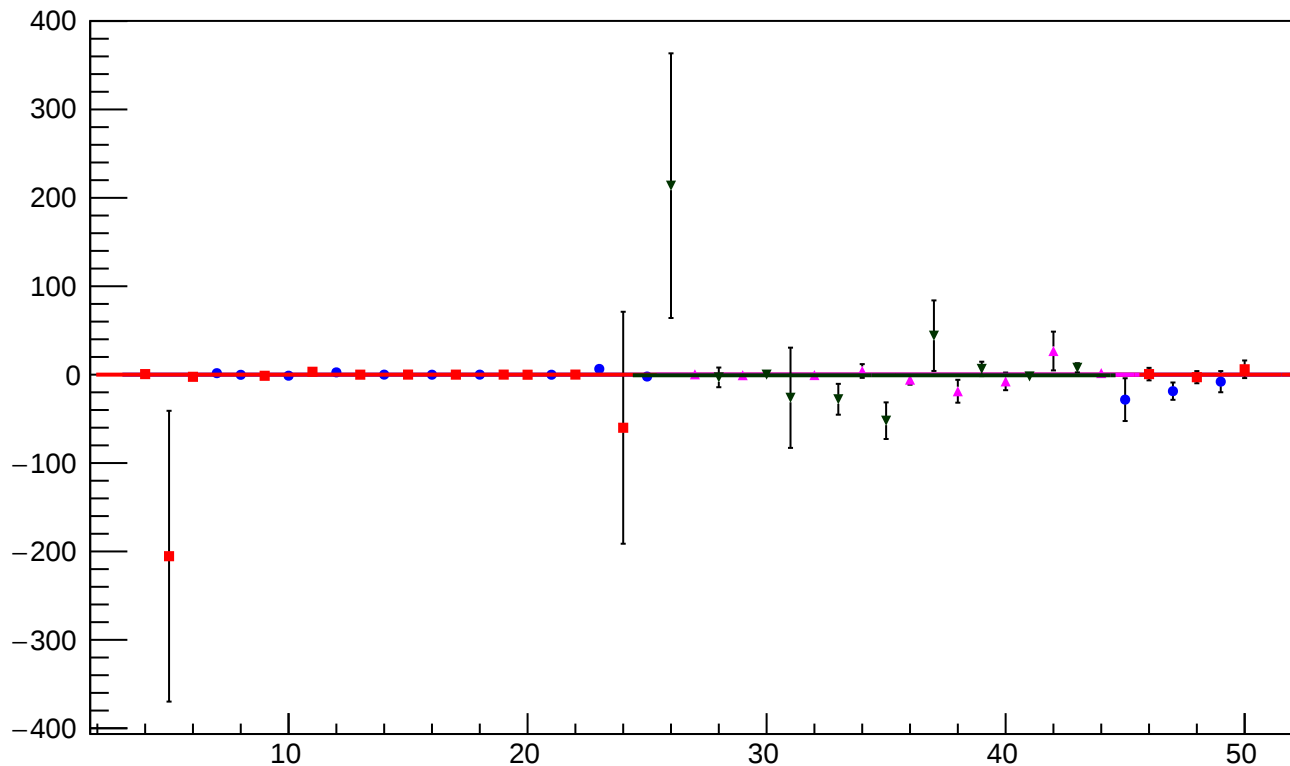


diff_cav4bX_mean vs slug



Right In: -0.014 $\pm$ 0.014

Left Out: -0.705 $\pm$ 1.554

Right Out: 0.017 $\pm$ 0.016

Left In: -0.086 $\pm$ 0.168

χ^2 /NDF: 23.4/12

χ^2 /NDF: 16.1/9

χ^2 /NDF: 19.9/14

χ^2 /NDF: 15.5/8

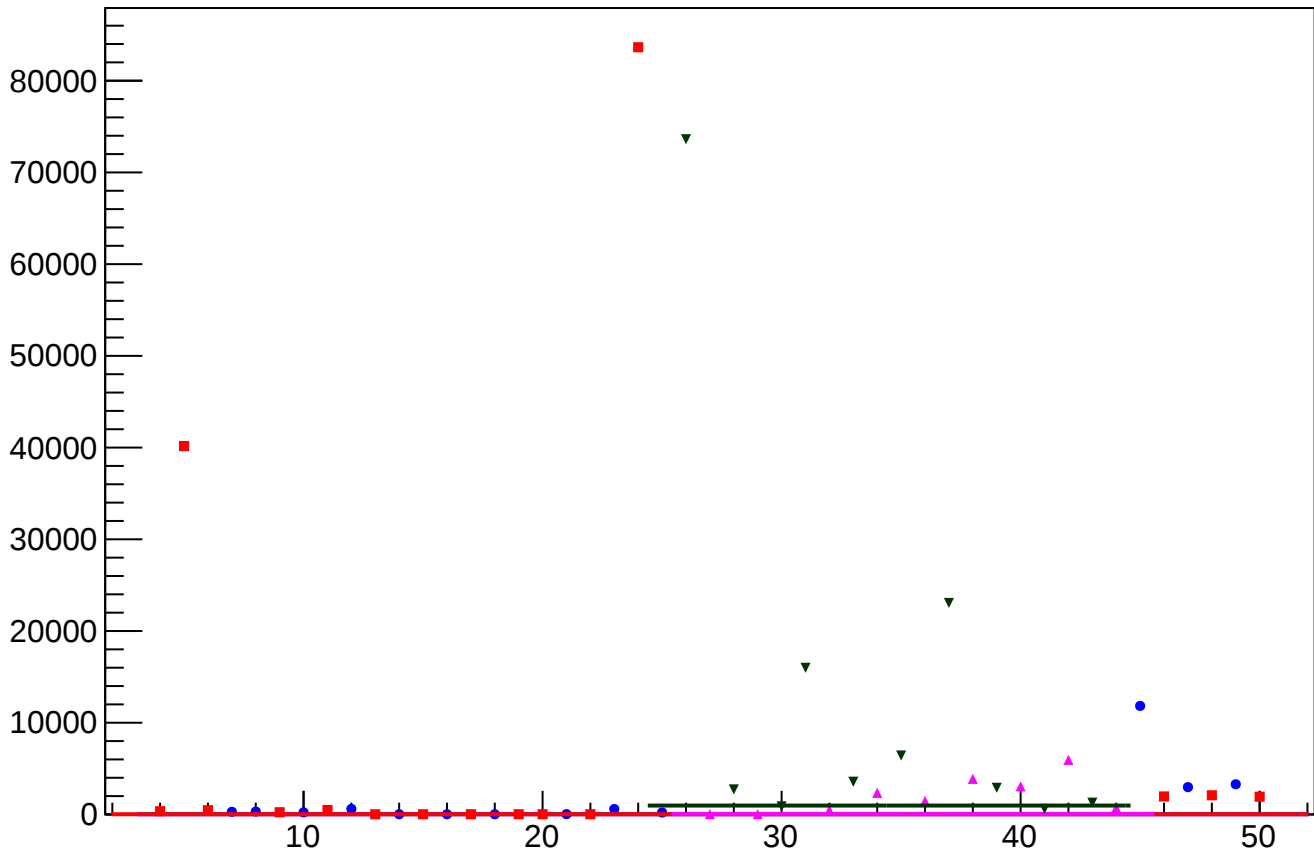
-0.014 $\pm$ 0.014

0.016 $\pm$ 0.016

χ^2 /NDF: 39.7/22

χ^2 /NDF: 35.7/23

diff_cav4bX_rms vs slug



Right In: 22.414+/-0.010 χ^2/NDF : 1578501.2/12

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

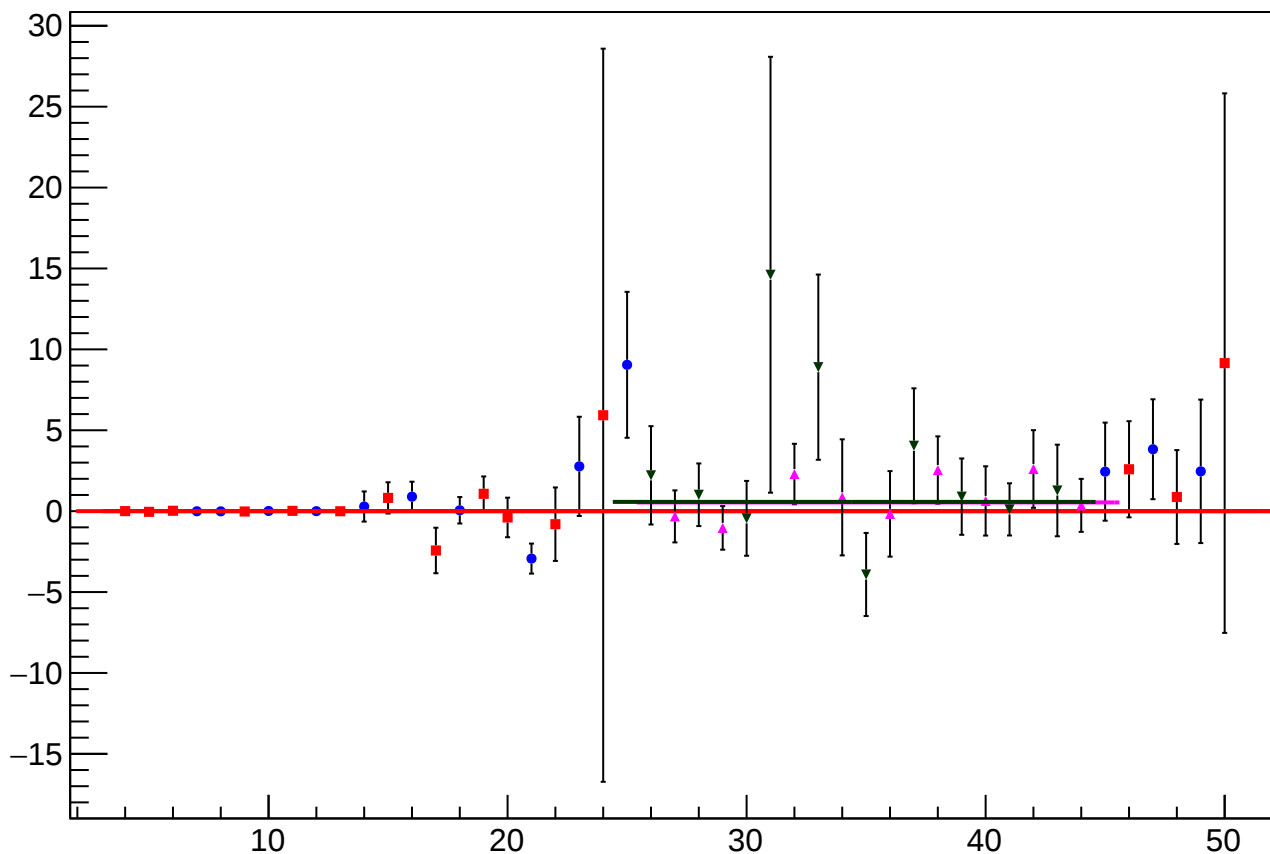
Right Out: 22.602+/-0.011 χ^2/NDF : 1815386.3/14

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

22.494+/-0.010 χ^2/NDF : 3968580.8/22

22.957+/-0.011 χ^2/NDF : 3494056.0/23

diff_cav4bY_mean vs slug



Right In: -0.001 ± 0.006 $\chi^2/\text{NDF}: 20.7/12$

Left Out: 0.573 ± 0.812 $\chi^2/\text{NDF}: 7.9/9$

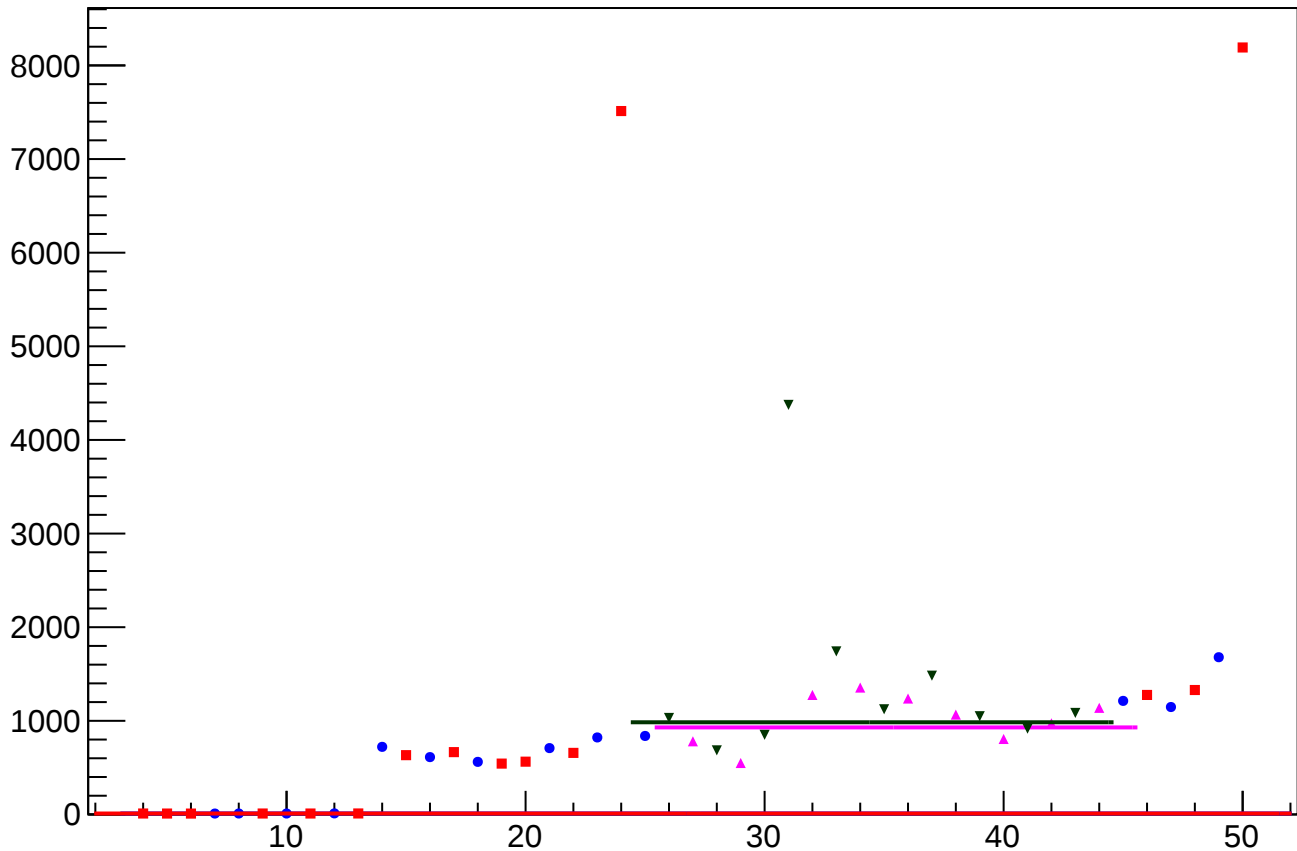
Right Out: 0.002 ± 0.005 $\chi^2/\text{NDF}: 18.1/14$

Left In: 0.538 ± 0.640 $\chi^2/\text{NDF}: 4.3/8$

-0.001 ± 0.006 $\chi^2/\text{NDF}: 29.1/22$

0.002 ± 0.005 $\chi^2/\text{NDF}: 23.1/23$

diff_cav4bY_rms vs slug



Right In: 10.504+/-0.005 χ^2/NDF : 5147223.5/12

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

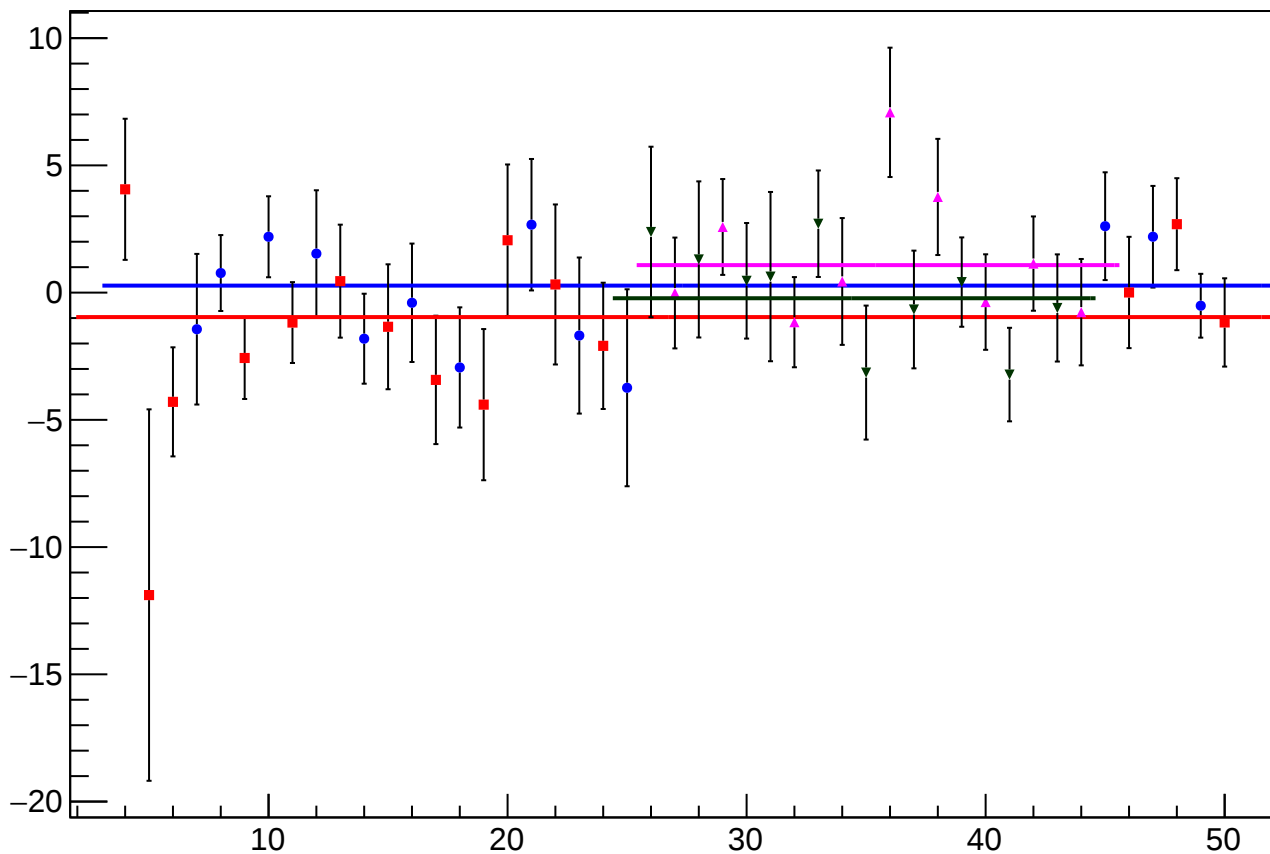
Right Out: 10.084+/-0.004 χ^2/NDF : 3821760.8/14

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

10.566+/-0.005 χ^2/NDF : 8297359.9/22

10.150+/-0.004 χ^2/NDF : 8296912.5/23

diff_cav4cX_mean vs slug



Right In: 0.275 ± 0.556 $\chi^2/\text{NDF}: 10.4/12$

Left Out: -0.221 ± 0.728 $\chi^2/\text{NDF}: 7.1/9$

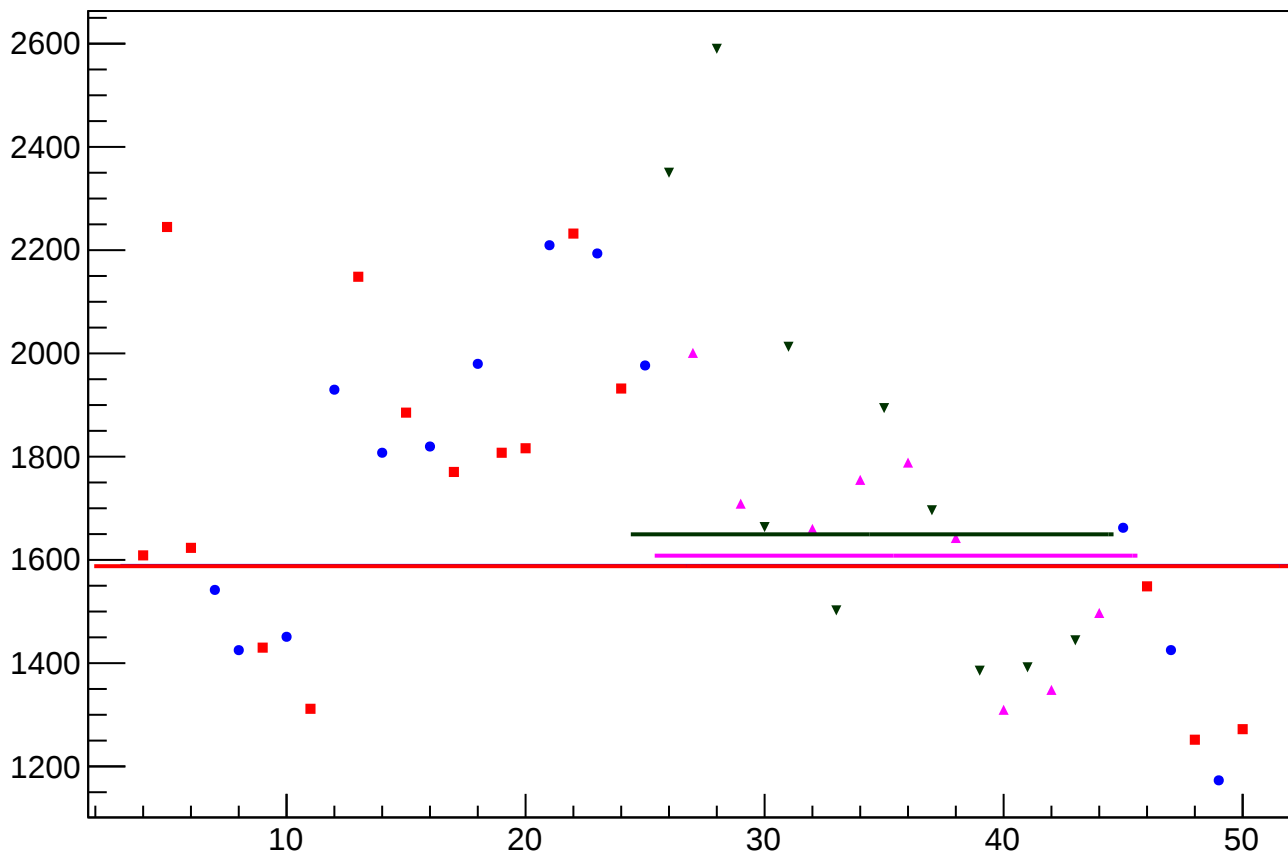
Right Out: -0.962 ± 0.576 $\chi^2/\text{NDF}: 17.4/14$

Left In: 1.080 ± 0.686 $\chi^2/\text{NDF}: 10.9/8$

0.092 ± 0.442 $\chi^2/\text{NDF}: 17.7/22$

-0.117 ± 0.441 $\chi^2/\text{NDF}: 33.5/23$

diff_cav4cX_rms vs slug



Right In: 1588.400+/-0.393 χ^2/NDF : 631333.8/12

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

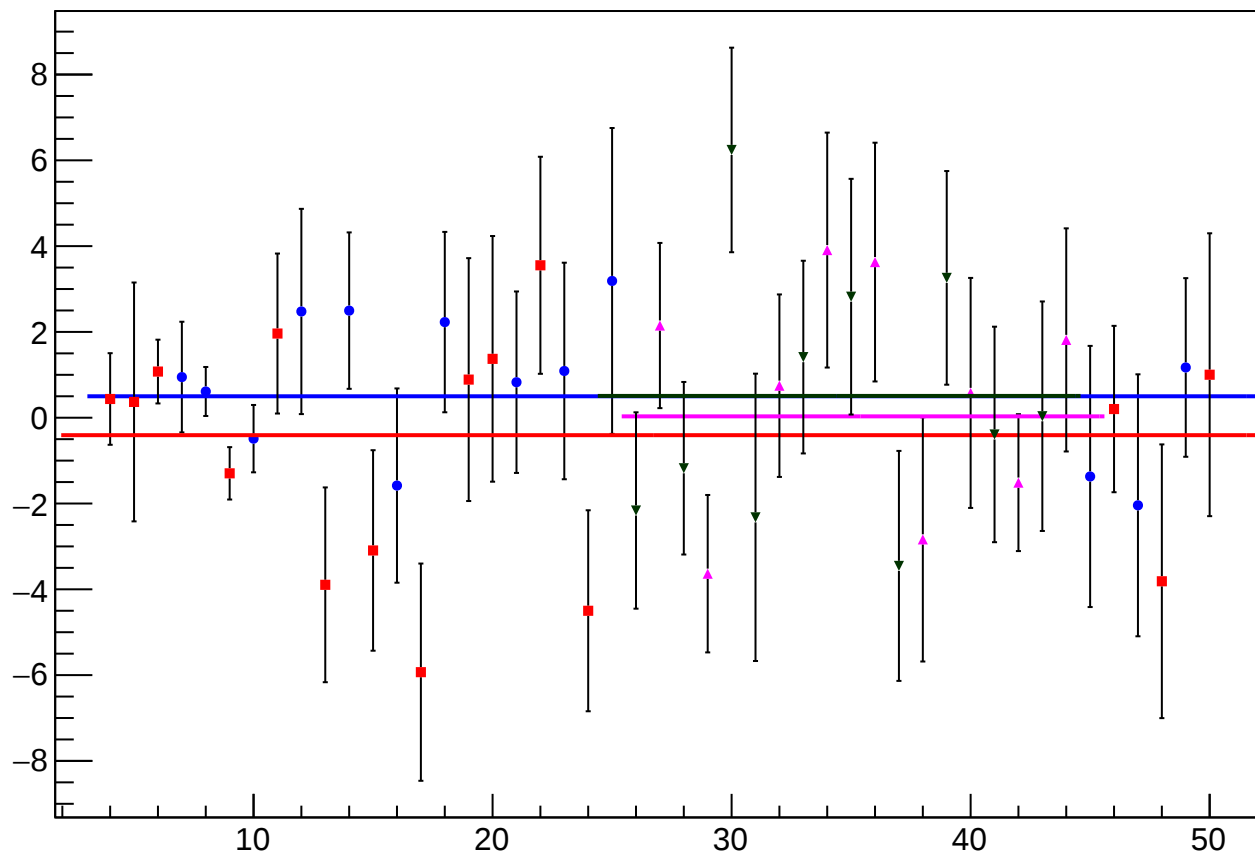
Right Out: 1587.844+/-0.407 χ^2/NDF : 545166.2/14

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

1610.906+/-0.312 χ^2/NDF : 1071203.8/22

1596.275+/-0.312 χ^2/NDF : 731804.4/23

diff_cav4cY_mean vs slug



Right In: 0.500 ± 0.376 $\chi^2/\text{NDF}: 7.0/12$

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

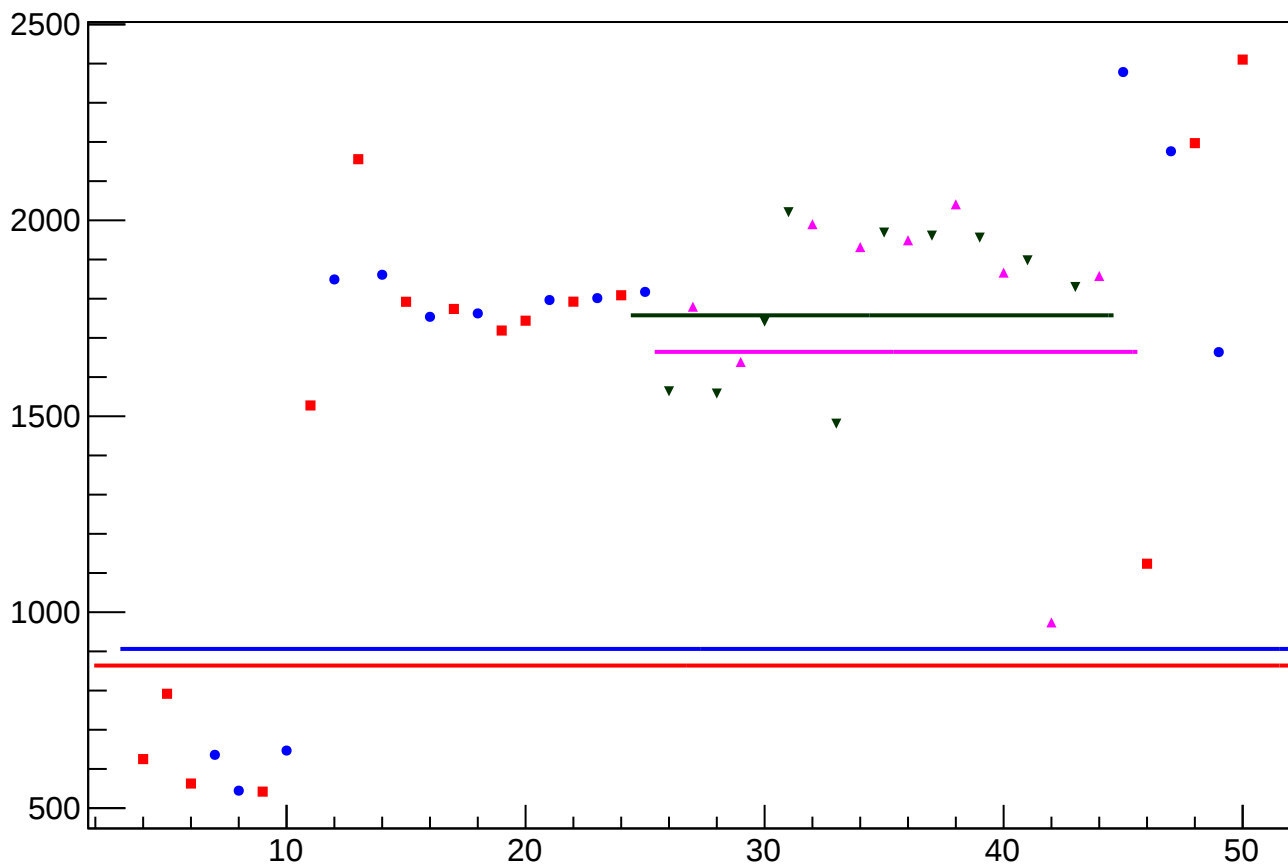
Right Out: -0.407 ± 0.369 $\chi^2/\text{NDF}: 24.4/14$

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

0.501 ± 0.339 $\chi^2/\text{NDF}: 20.0/22$

-0.319 ± 0.329 $\chi^2/\text{NDF}: 36.1/23$

diff_cav4cY_rms vs slug



Right In: 906.268+/-0.266 χ^2/NDF : 4394735.8/12

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

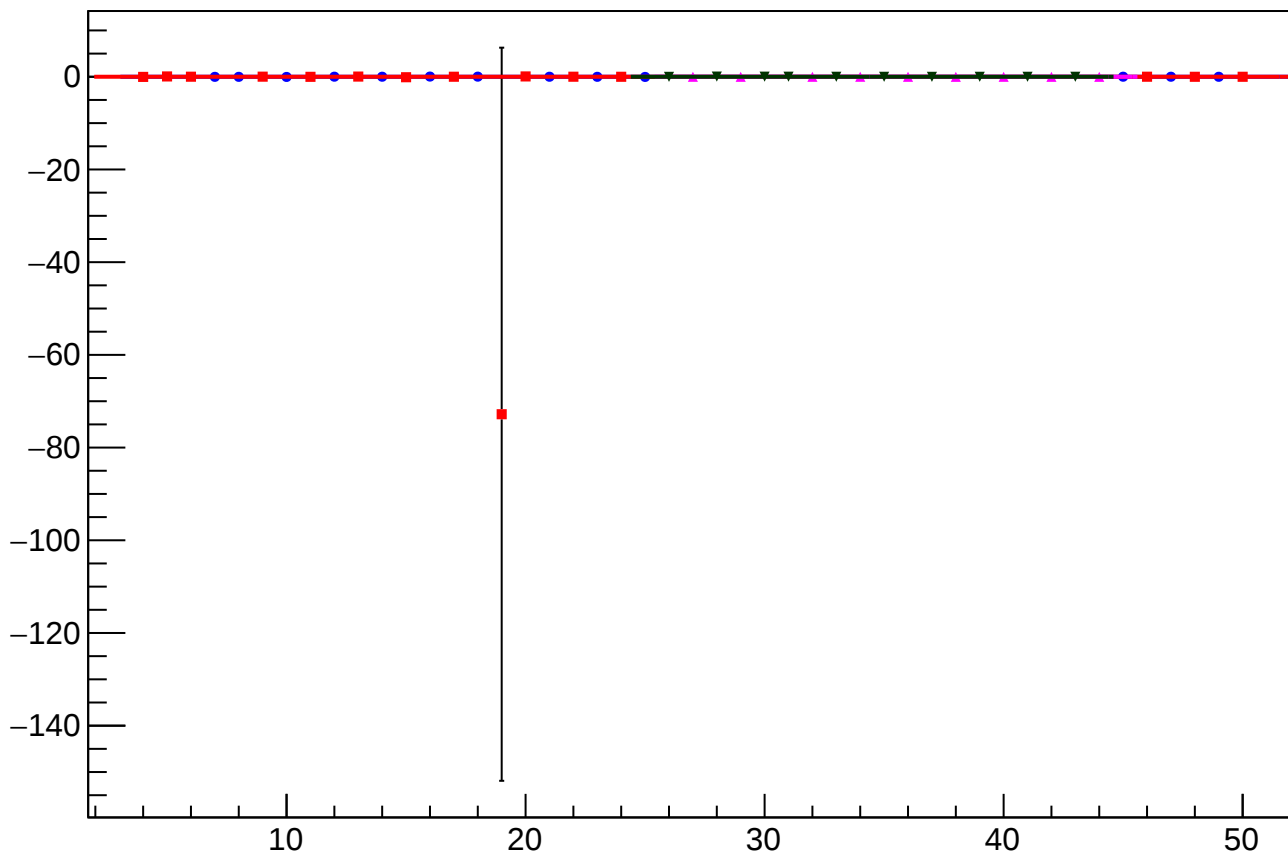
Right Out: 863.866+/-0.261 χ^2/NDF : 4251482.6/14

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

1065.595+/-0.239 χ^2/NDF : 6438968.8/22

1024.862+/-0.233 χ^2/NDF : 6675354.2/23

diff_cav4dX_mean vs slug



Right In: 0.002 $\pm$ 0.005 χ^2 /NDF: 8.6/12

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

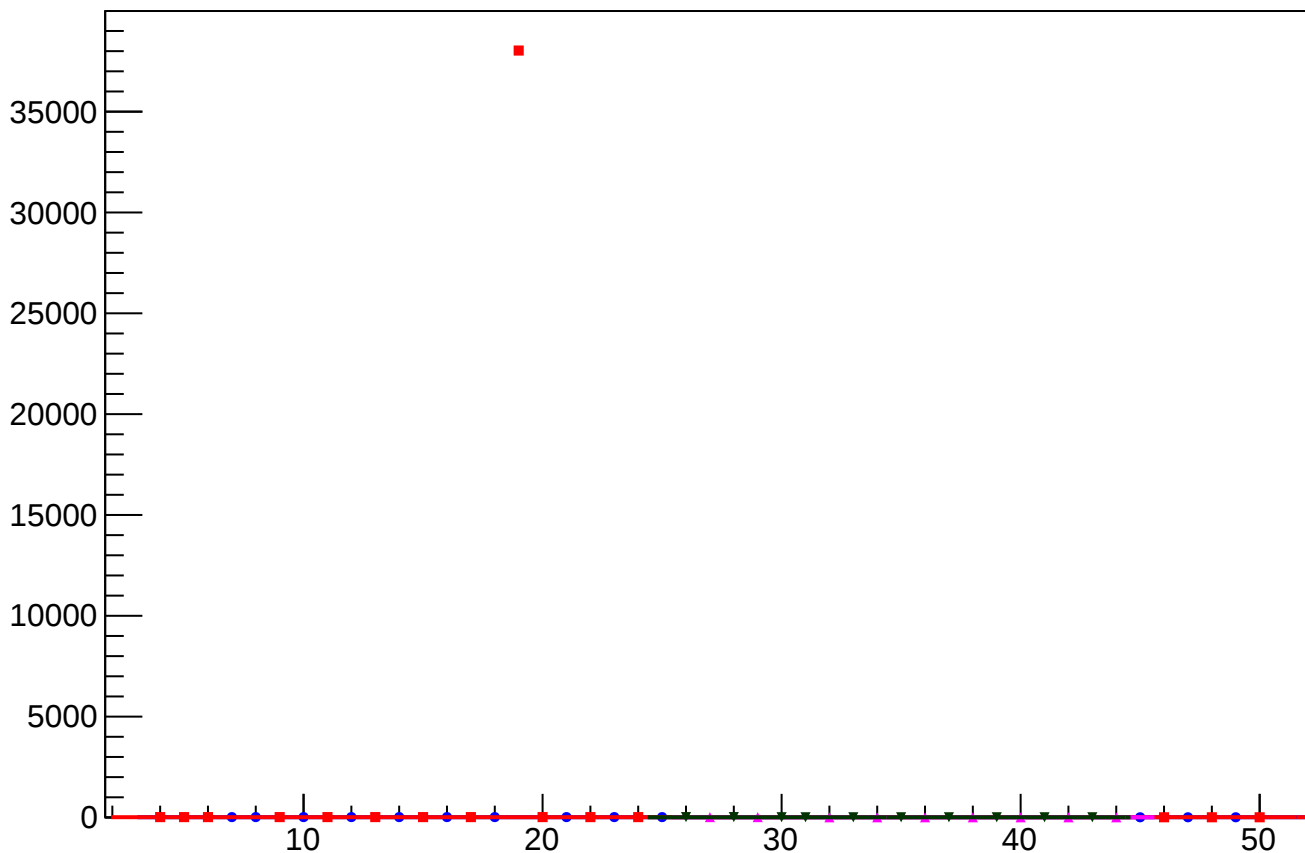
Right Out: 0.006 $\pm$ 0.005 χ^2 /NDF: 12.7/14

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

0.001 $\pm$ 0.003 χ^2 /NDF: 17.2/22

0.000 $\pm$ 0.003 χ^2 /NDF: 16.0/23

diff_cav4dX_rms vs slug



Right In: 12.149+/-0.003 χ^2 /NDF: 1517202.7/12

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

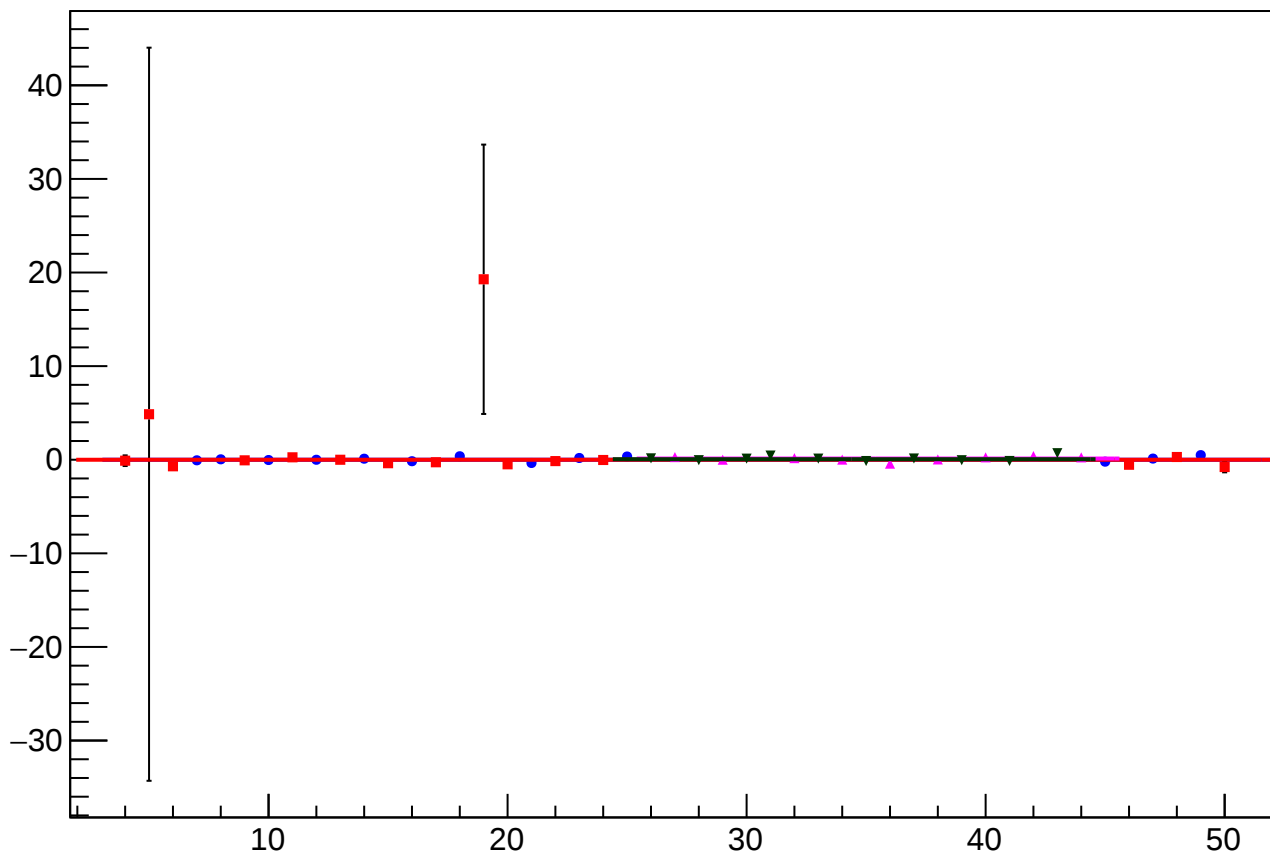
Right Out: 12.719+/-0.004 χ^2 /NDF: 1811598.0/14

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

10.530+/-0.002 χ^2 /NDF: 2485082.6/22

10.606+/-0.002 χ^2 /NDF: 3060434.6/23

diff_cav4dY_mean vs slug



Right In: -0.003+/-0.003 χ^2 /NDF: 18.3/12

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

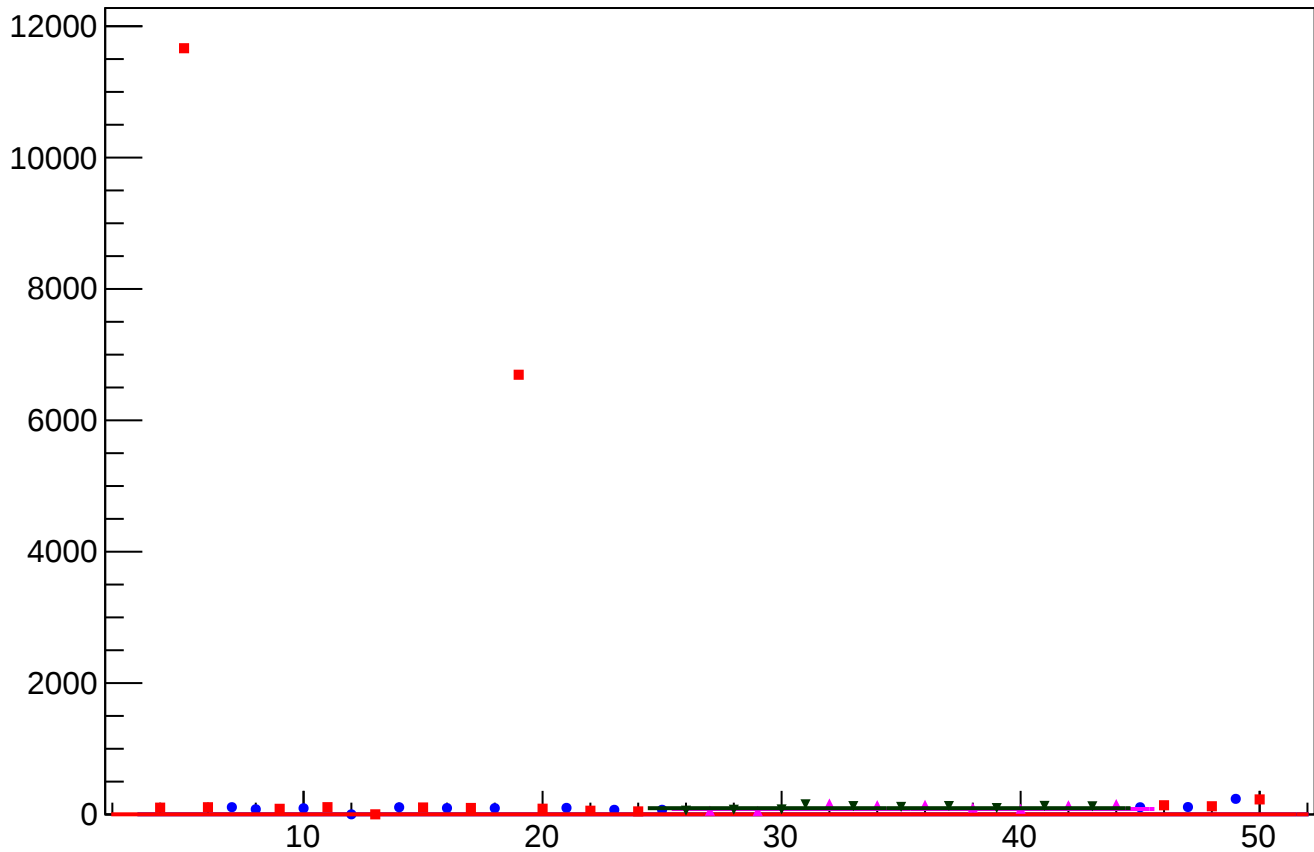
Right Out: -0.003+/-0.003 χ^2 /NDF: 18.1/14

Left In: 0.127+/-0.053 χ^2 /NDF:9.8/8

-0.002+/-0.003 χ^2 /NDF: 30.8/22

-0.002+/-0.003 χ^2 /NDF: 33.8/23

diff_cav4dY_rms vs slug



Right In: 2.204+/-0.002 χ^2/NDF : 7855585.1/12

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

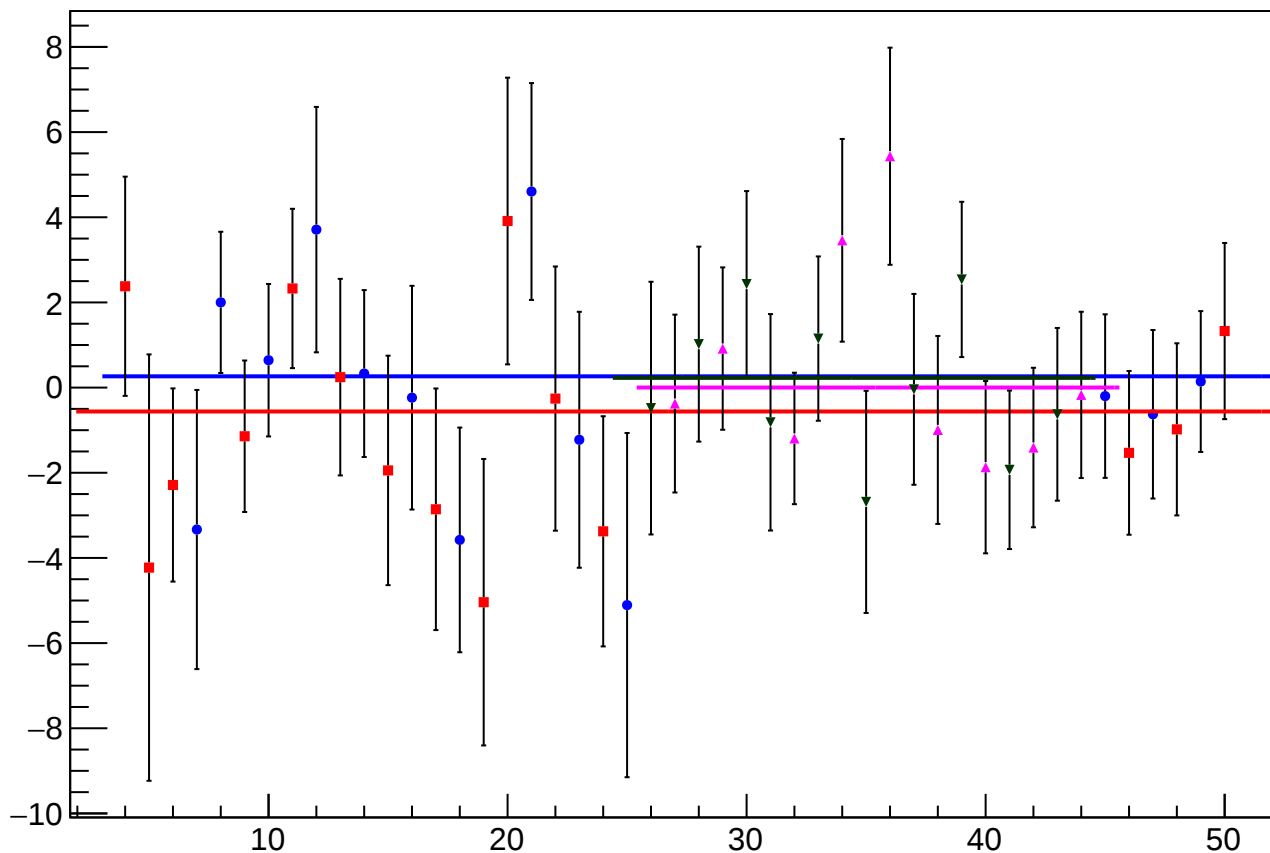
Right Out: 2.093+/-0.002 χ^2/NDF : 5407232.1/14

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

2.465+/-0.002 χ^2/NDF : 13434014.4/22

2.352+/-0.002 χ^2/NDF : 11070456.1/23

diff_bpm4aX_mean vs slug



Right In: 0.265 ± 0.614 χ^2/NDF : 11.1/12

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

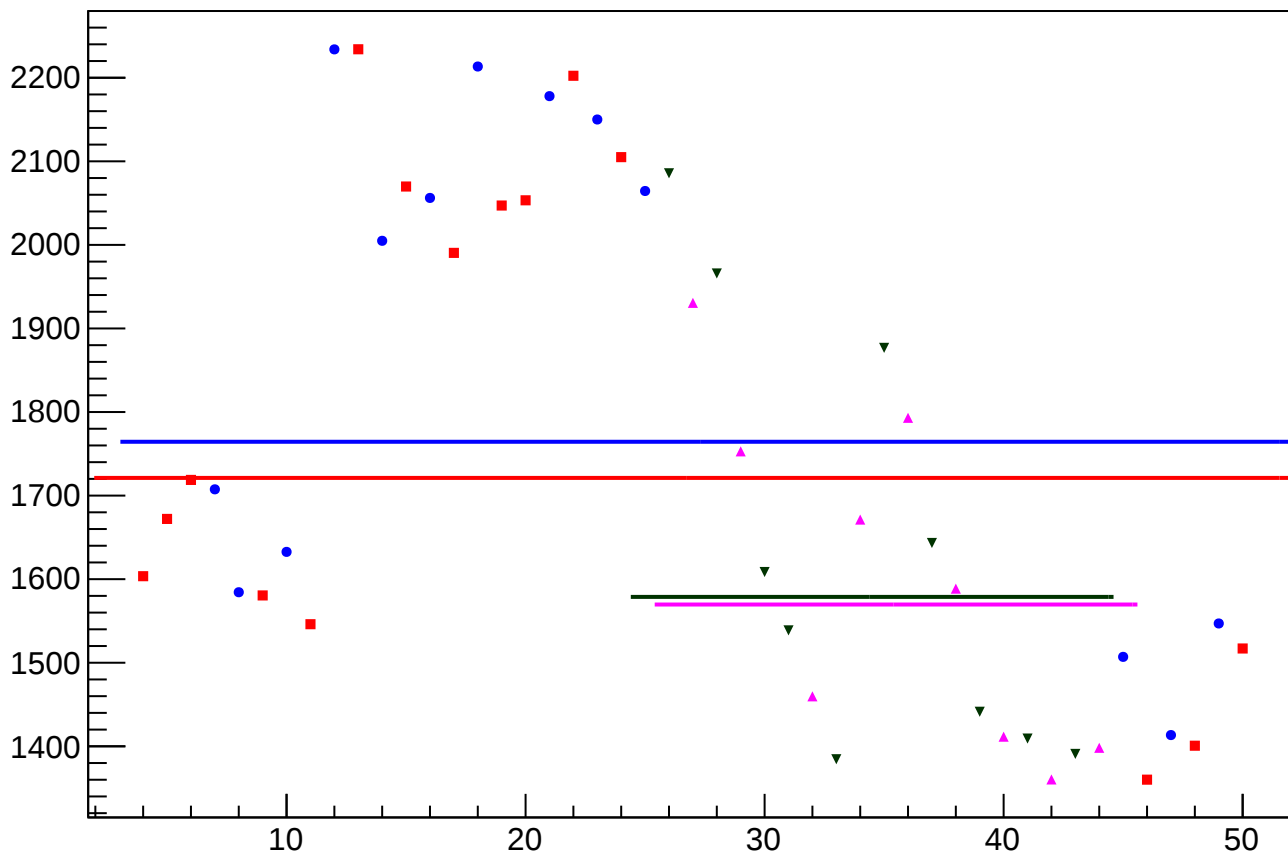
Right Out: -0.561 ± 0.620 χ^2/NDF : 11.7/14

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

0.249 ± 0.458 χ^2/NDF : 17.1/22

-0.300 ± 0.454 χ^2/NDF : 21.2/23

diff_bpm4aX_rms vs slug



Right In: 1764.419+/-0.434 χ^2/NDF : 430981.7/12

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

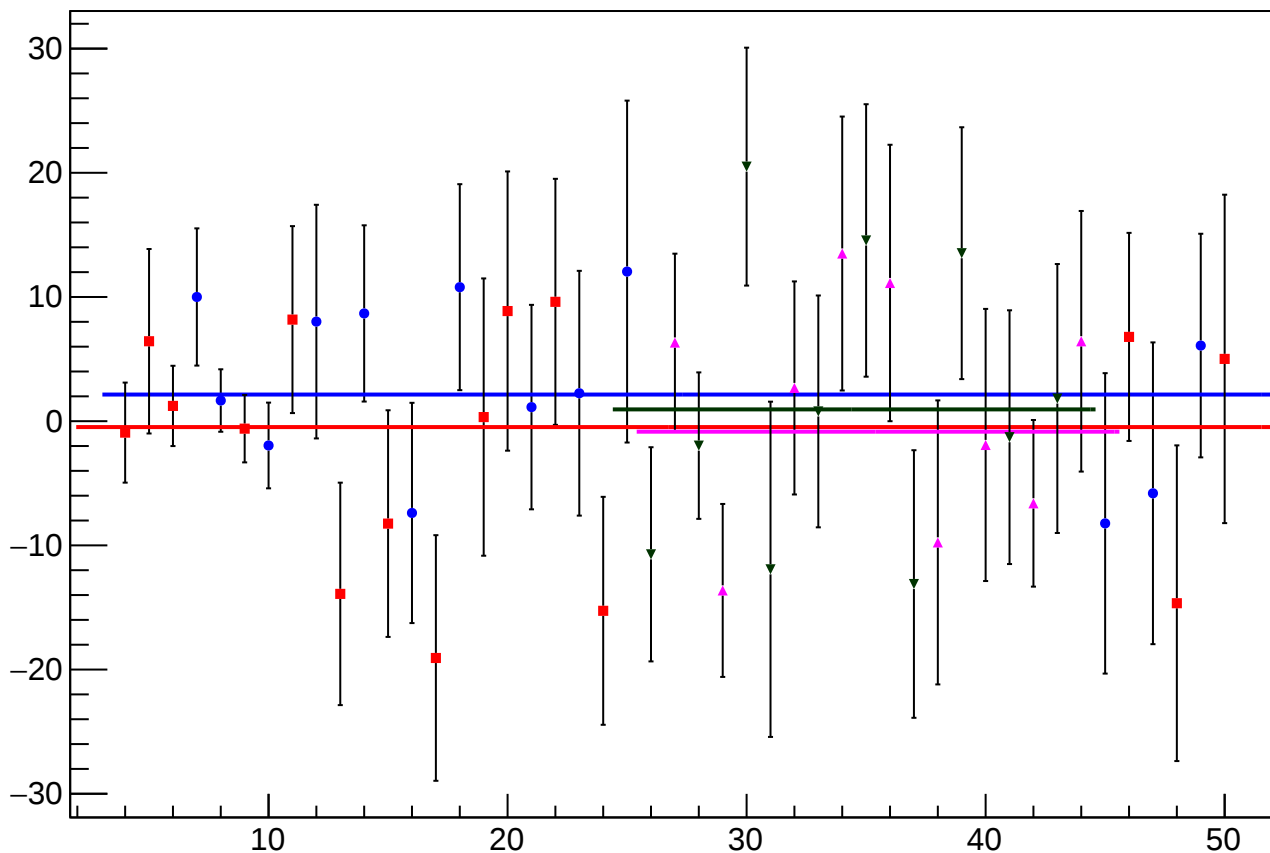
Right Out: 1721.169+/-0.438 χ^2/NDF : 451671.8/14

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

1682.114+/-0.324 χ^2/NDF : 721711.3/22

1650.900+/-0.321 χ^2/NDF : 667248.3/23

diff_bpm4aY_mean vs slug



Right In: 2.144 ± 1.602 χ^2/NDF : 8.8/12

Left Out: 0.949 ± 2.951 χ^2/NDF : 12.0/9

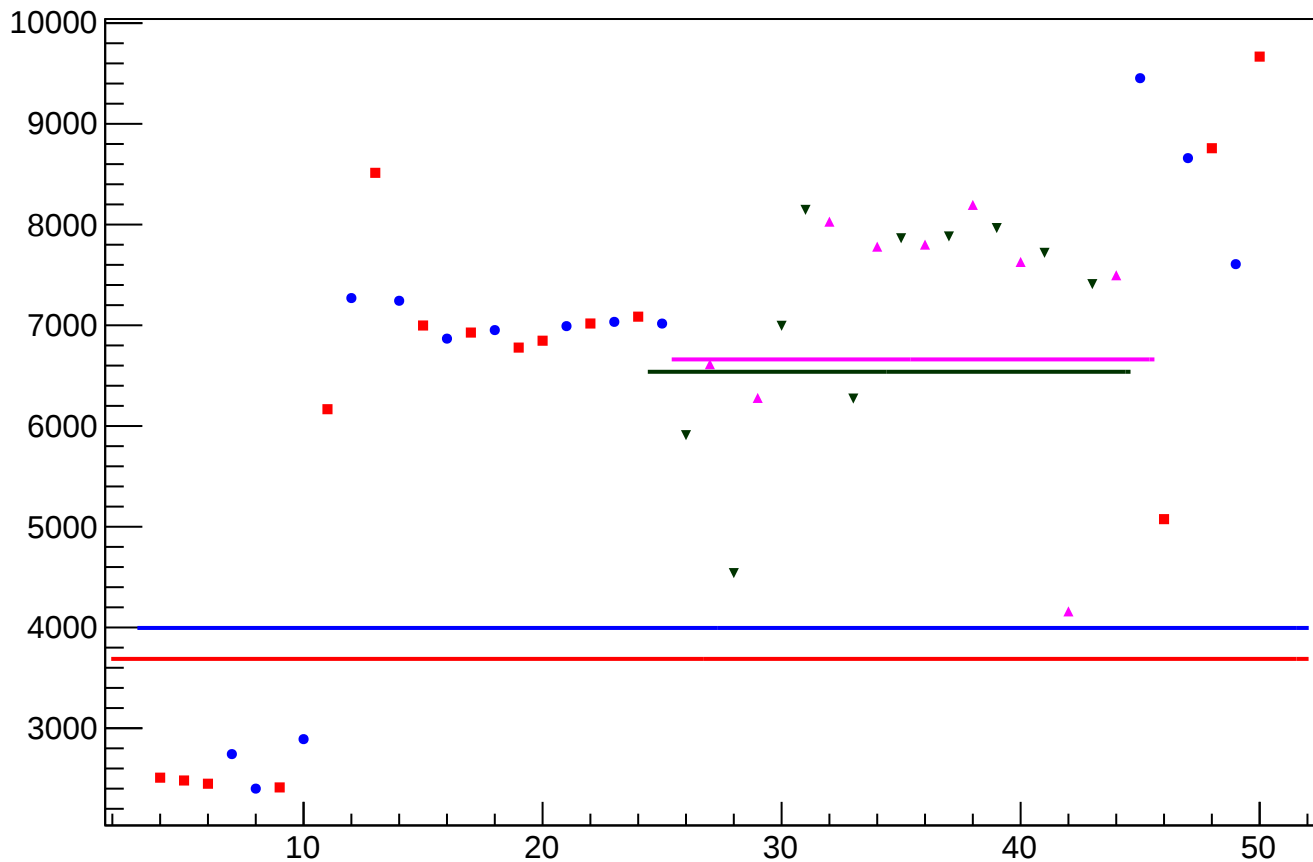
Right Out: -0.475 ± 1.529 χ^2/NDF : 15.5/14

Left In: -0.846 ± 2.920 χ^2/NDF : 9.2/8

1.872 ± 1.408 χ^2/NDF : 21.0/22

-0.555 ± 1.355 χ^2/NDF : 24.7/23

diff_bpm4aY_rms vs slug



Right In: 3995.334 $\pm$ 1.133 χ^2/NDF : 3813242.0/12

Left Out: 6538.498 $\pm$ 2.087 χ^2/NDF :414494.7/9

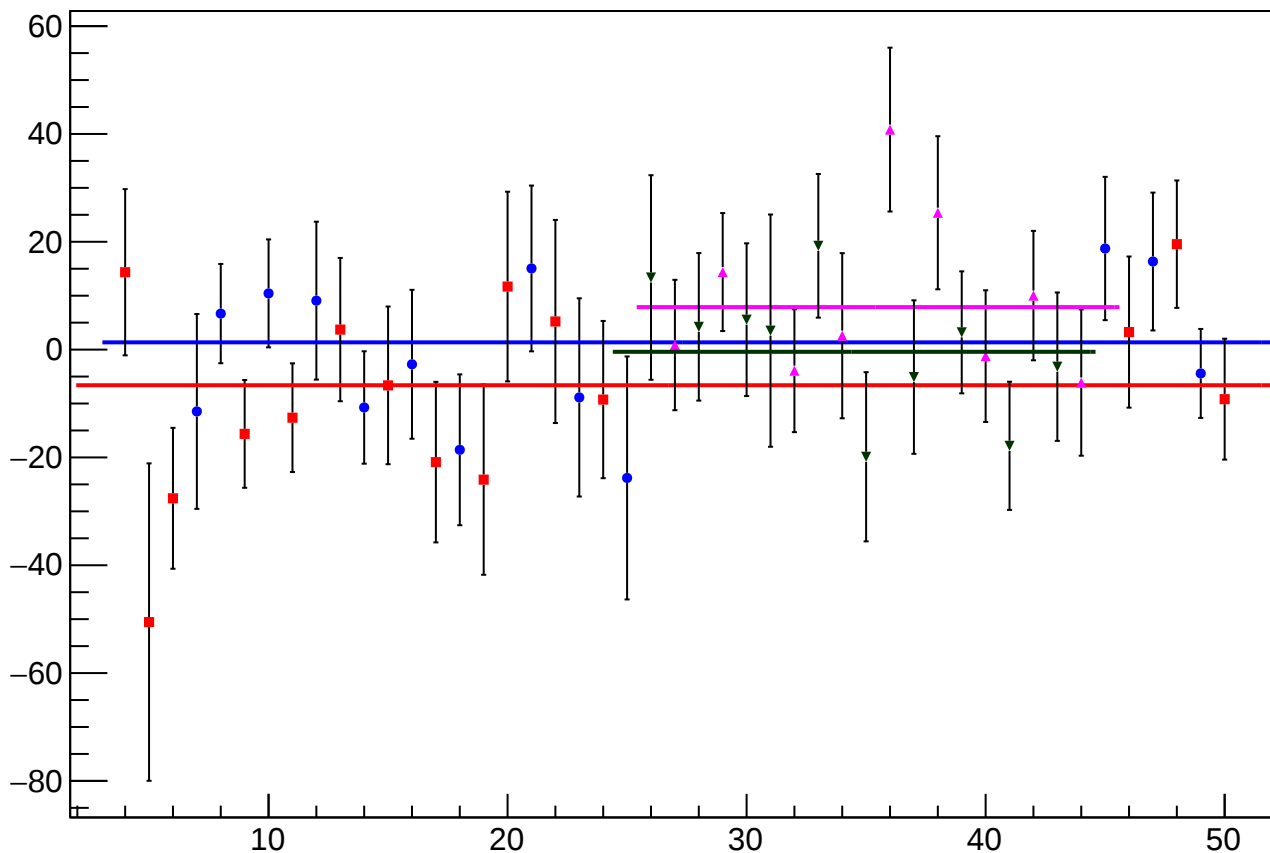
4574.310 $\pm$ 0.996 χ^2/NDF : 5374964.4/22

Right Out: 3688.082 $\pm$ 1.081 χ^2/NDF : 3828459.4/14

4328.187 $\pm$ 0.958 χ^2/NDF : 5896882.4/23

Left In: 6661.262 $\pm$ 2.064 χ^2/NDF :440852.9/8

diff_bpm4eX_mean vs slug



Right In: 1.345 ± 3.436 χ^2/NDF : 11.3/12

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

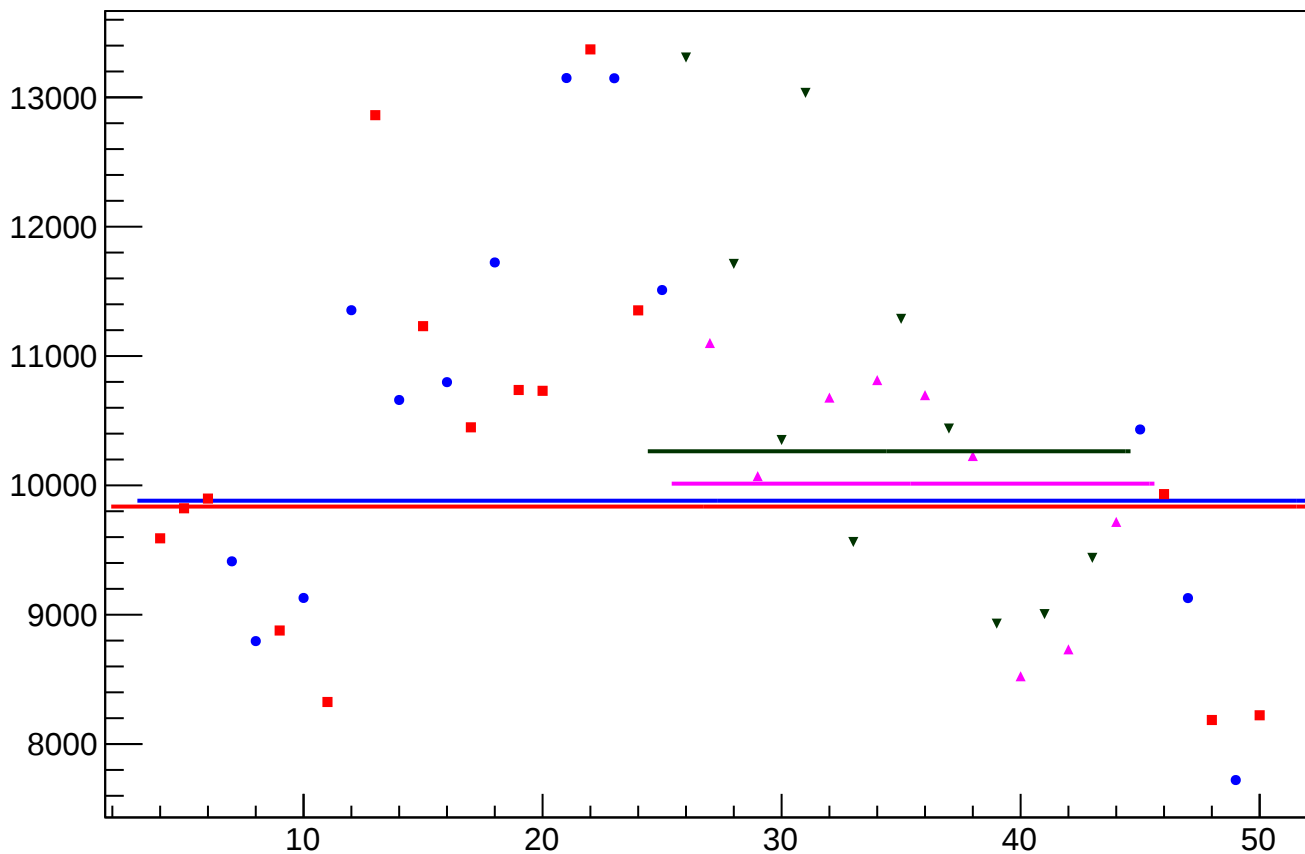
Right Out: -6.609 ± 3.534 χ^2/NDF : 17.3/14

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

0.694 ± 2.724 χ^2/NDF : 18.4/22

-0.674 ± 2.716 χ^2/NDF : 33.9/23

diff_bpm4eX_rms vs slug



Right In: 9881.462+/-2.430 χ^2/NDF : 426639.1/12

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

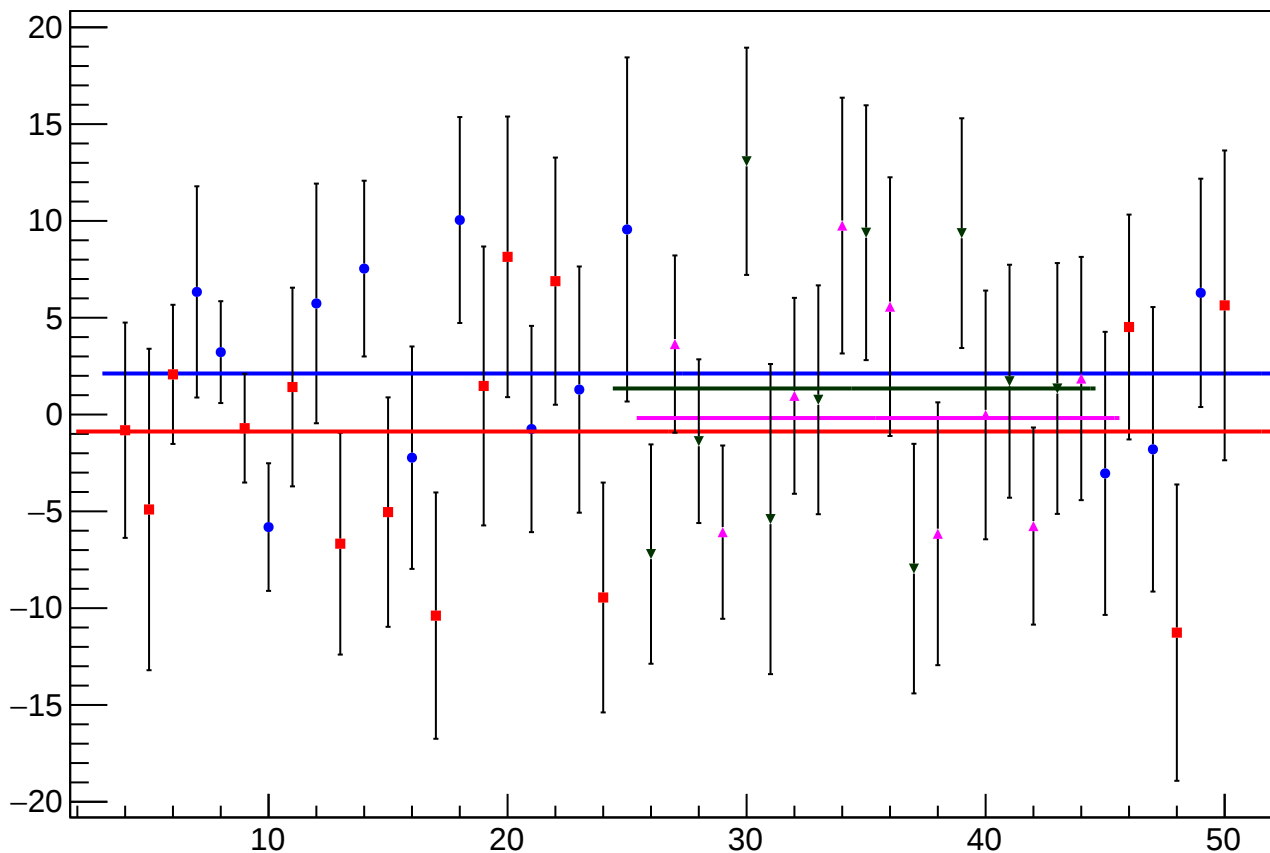
Right Out: 9836.153+/-2.499 χ^2/NDF : 372089.3/14

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

10023.443+/-1.926 χ^2/NDF : 614627.3/22

9908.695+/-1.920 χ^2/NDF : 460636.4/23

diff_bpm4eY_mean vs slug



Right In: 2.120 ± 1.349 $\chi^2/\text{NDF}: 13.4/12$

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

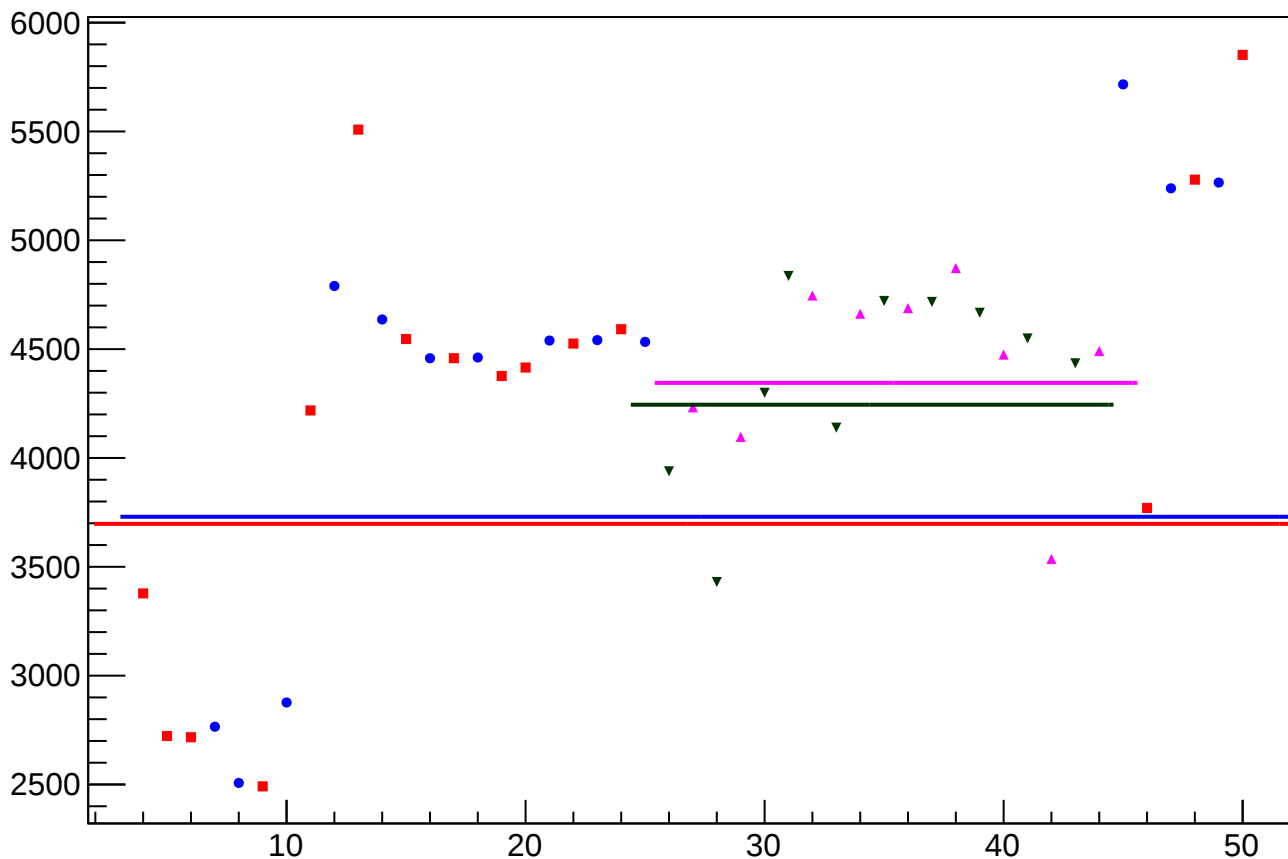
Right Out: -0.876 ± 1.378 $\chi^2/\text{NDF}: 13.5/14$

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

1.854 ± 1.093 $\chi^2/\text{NDF}: 26.3/22$

-0.628 ± 1.105 $\chi^2/\text{NDF}: 21.1/23$

diff_bpm4eY_rms vs slug



Right In: 3729.923+/-0.954 χ^2/NDF : 1299865.9/12

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

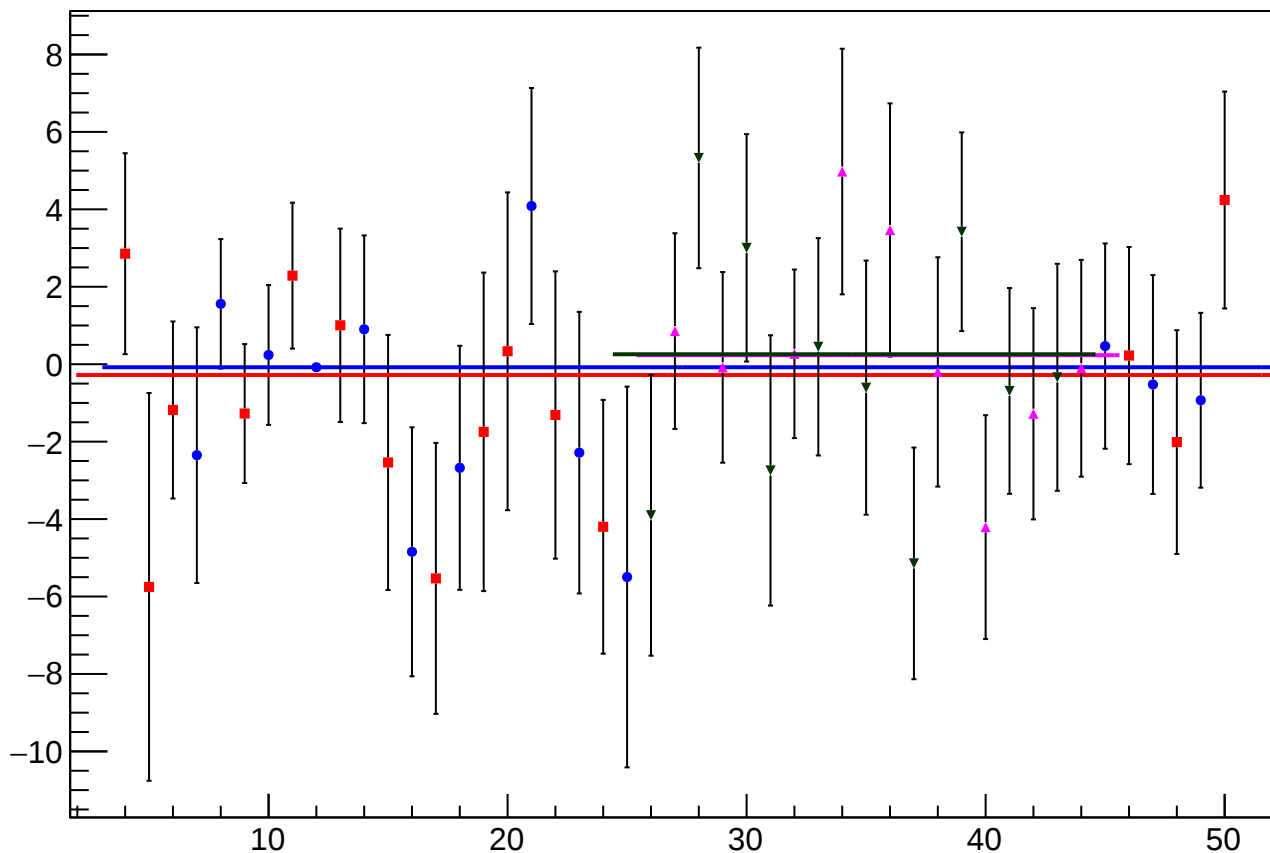
Right Out: 3697.342+/-0.975 χ^2/NDF : 1189346.7/14

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

3906.763+/-0.773 χ^2/NDF : 1529851.9/22

3928.393+/-0.782 χ^2/NDF : 1441222.9/23

diff_bpm4acX_mean vs slug



Right In: -0.079 ± 0.060 χ^2/NDF : 8.2/12

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

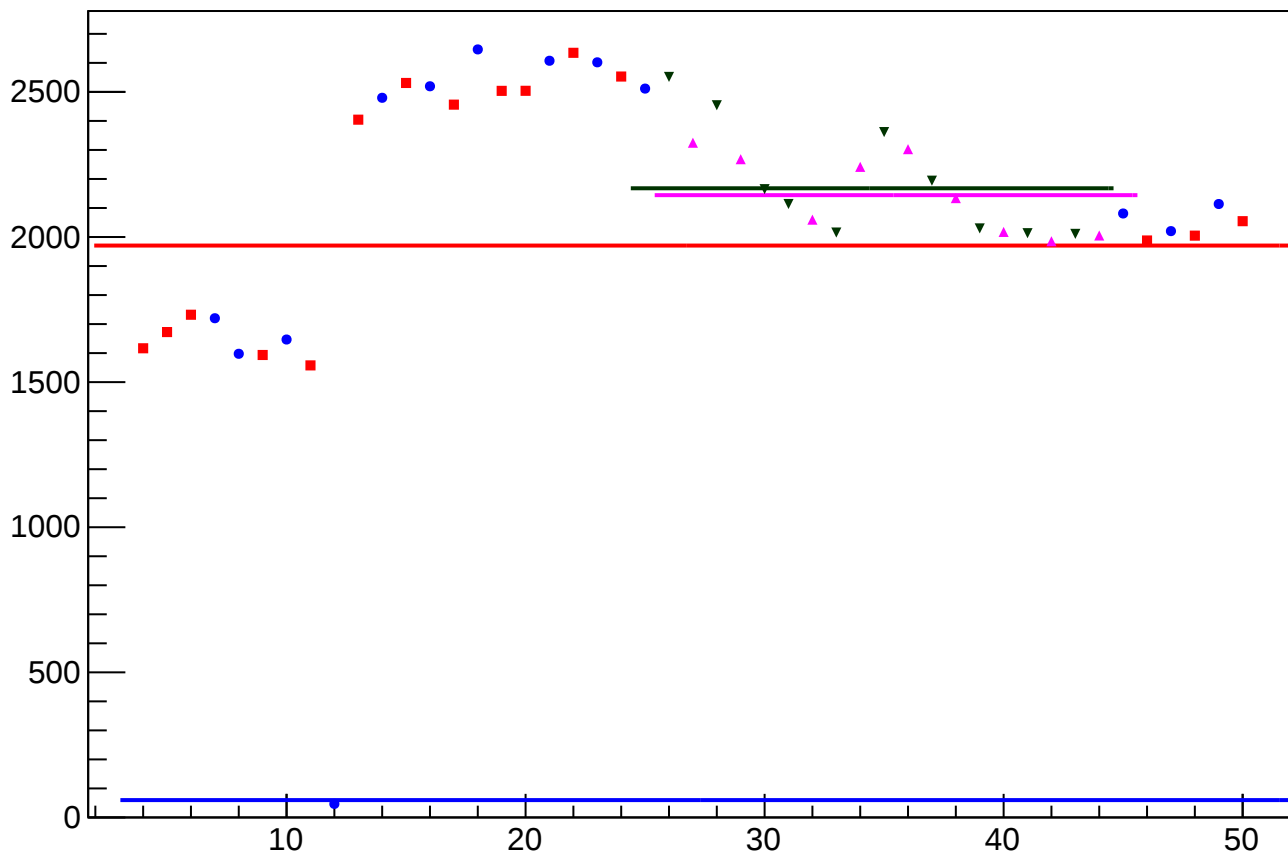
Right Out: -0.280 ± 0.713 χ^2/NDF : 12.6/14

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

-0.077 ± 0.060 χ^2/NDF : 19.4/22

-0.083 ± 0.560 χ^2/NDF : 18.8/23

diff_bpm4acX_rms vs slug



Right In: 59.816+/-0.043 χ^2/NDF : 14999916.2/12

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

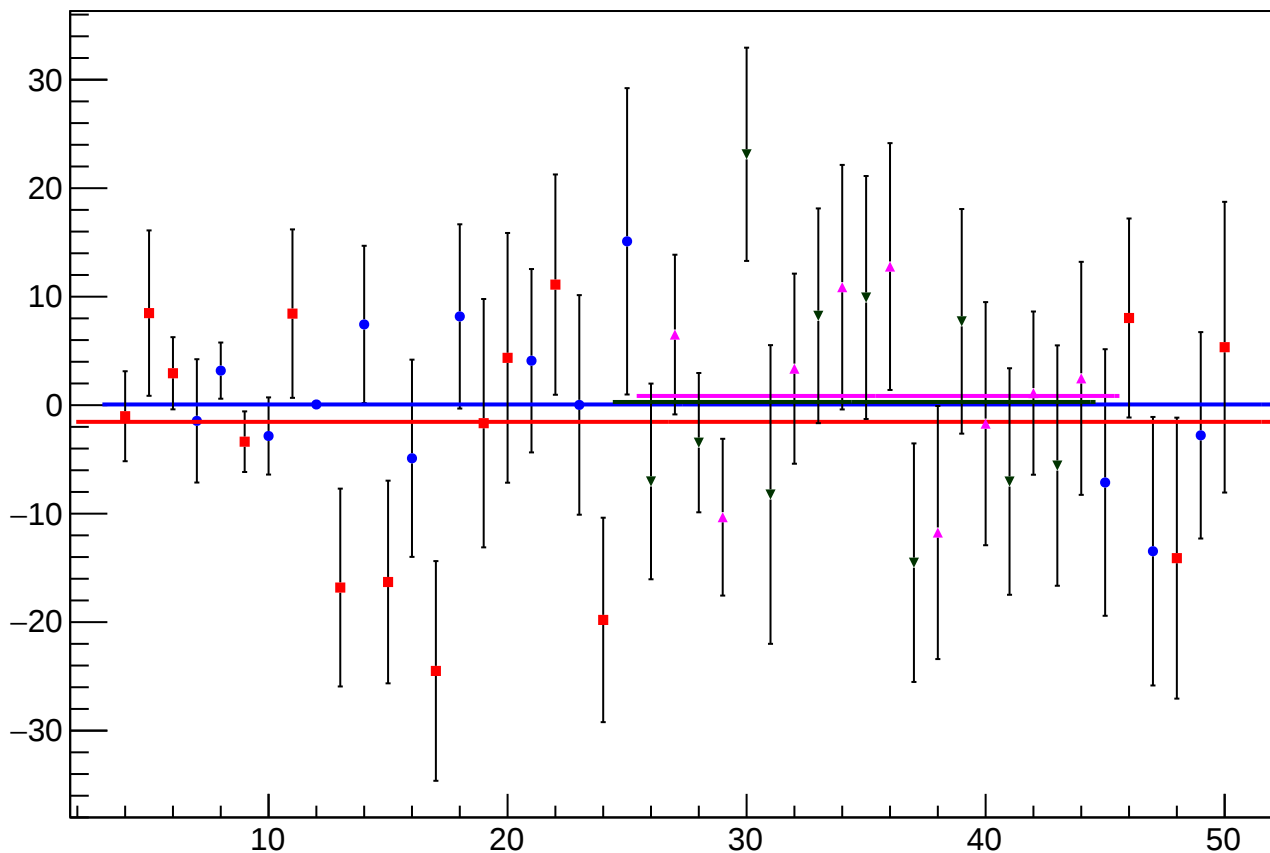
Right Out: 1970.562+/-0.504 χ^2/NDF : 603914.3/14

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

68.456+/-0.042 χ^2/NDF : 25152903.5/22

2037.130+/-0.396 χ^2/NDF : 689809.2/23

diff_bpm4acY_mean vs slug



Right In: 0.065 ± 0.052 $\chi^2/\text{NDF}: 7.4/12$

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

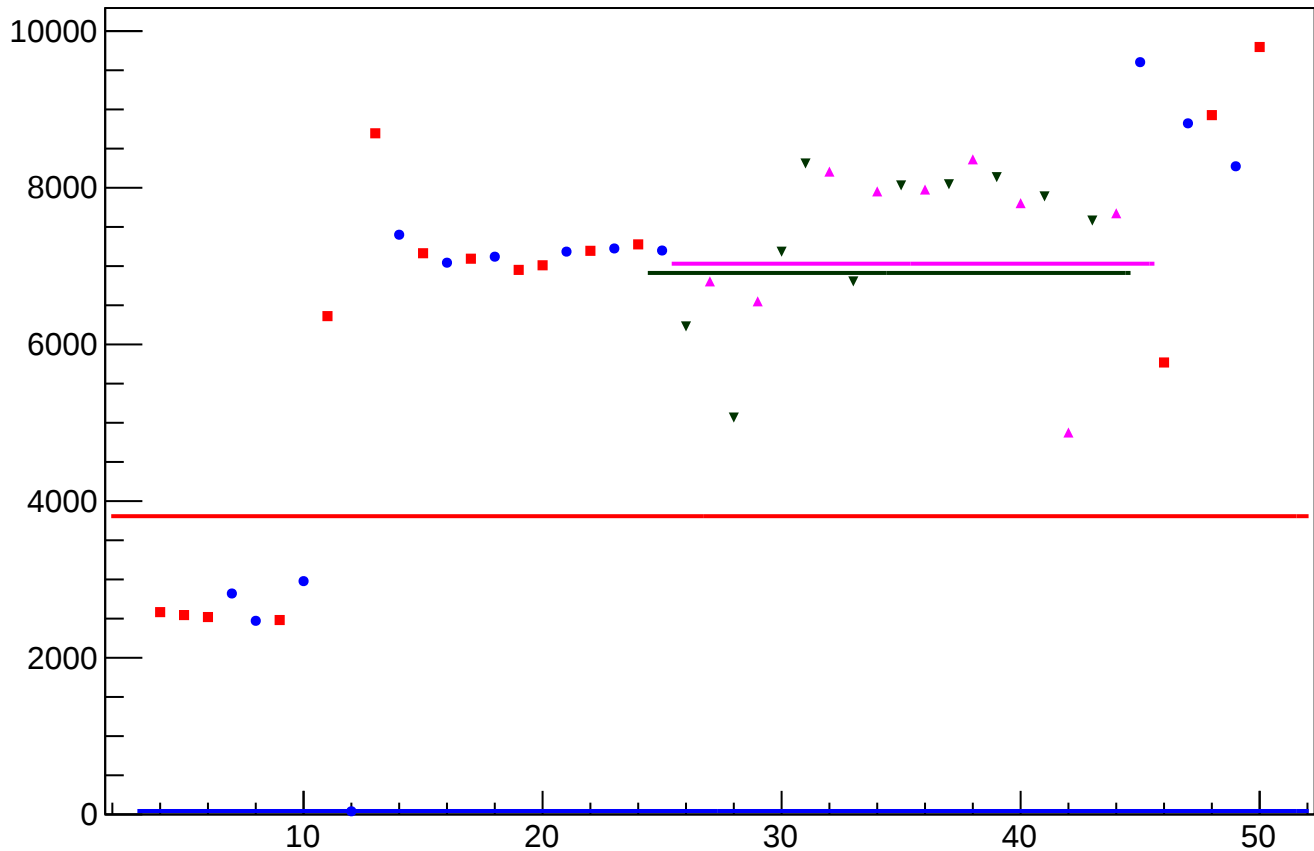
Right Out: -1.538 ± 1.575 $\chi^2/\text{NDF}: 23.9/14$

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

0.065 ± 0.052 $\chi^2/\text{NDF}: 18.7/22$

-1.034 ± 1.399 $\chi^2/\text{NDF}: 30.6/23$

diff_bpm4acY_rms vs slug



Right In: 44.206+/-0.037 χ^2 /NDF: 14904440.6/12

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

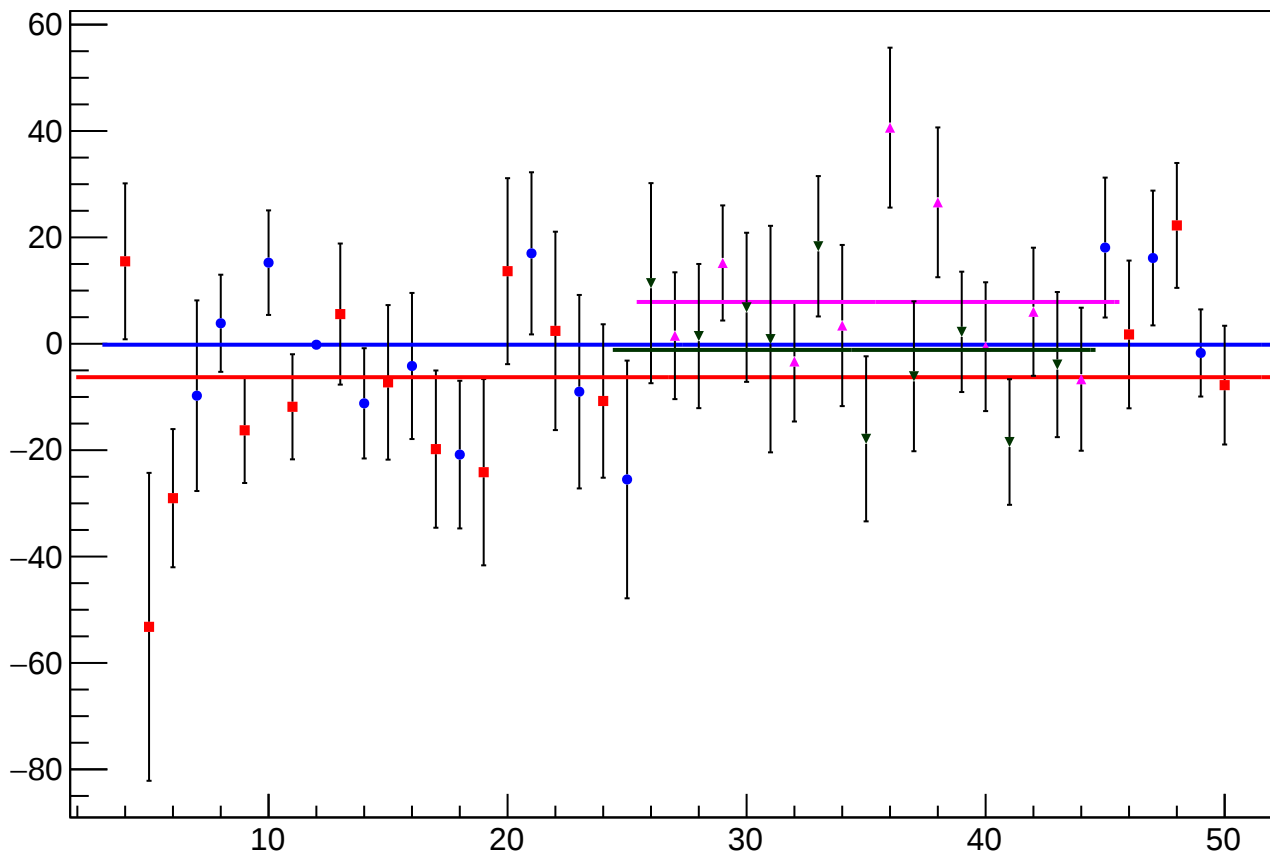
46.168+/-0.037 χ^2 /NDF: 25129087.1/22

Right Out: 3807.542+/-1.114 χ^2 /NDF: 3842756.7/14

4487.989+/-0.989 χ^2 /NDF: 5892307.2/23

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

diff_bpm4ecX_mean vs slug



Right In: -0.176 ± 0.107 χ^2/NDF : 12.8/12

Left Out: -1.154 ± 4.434 χ^2/NDF : 6.6/9

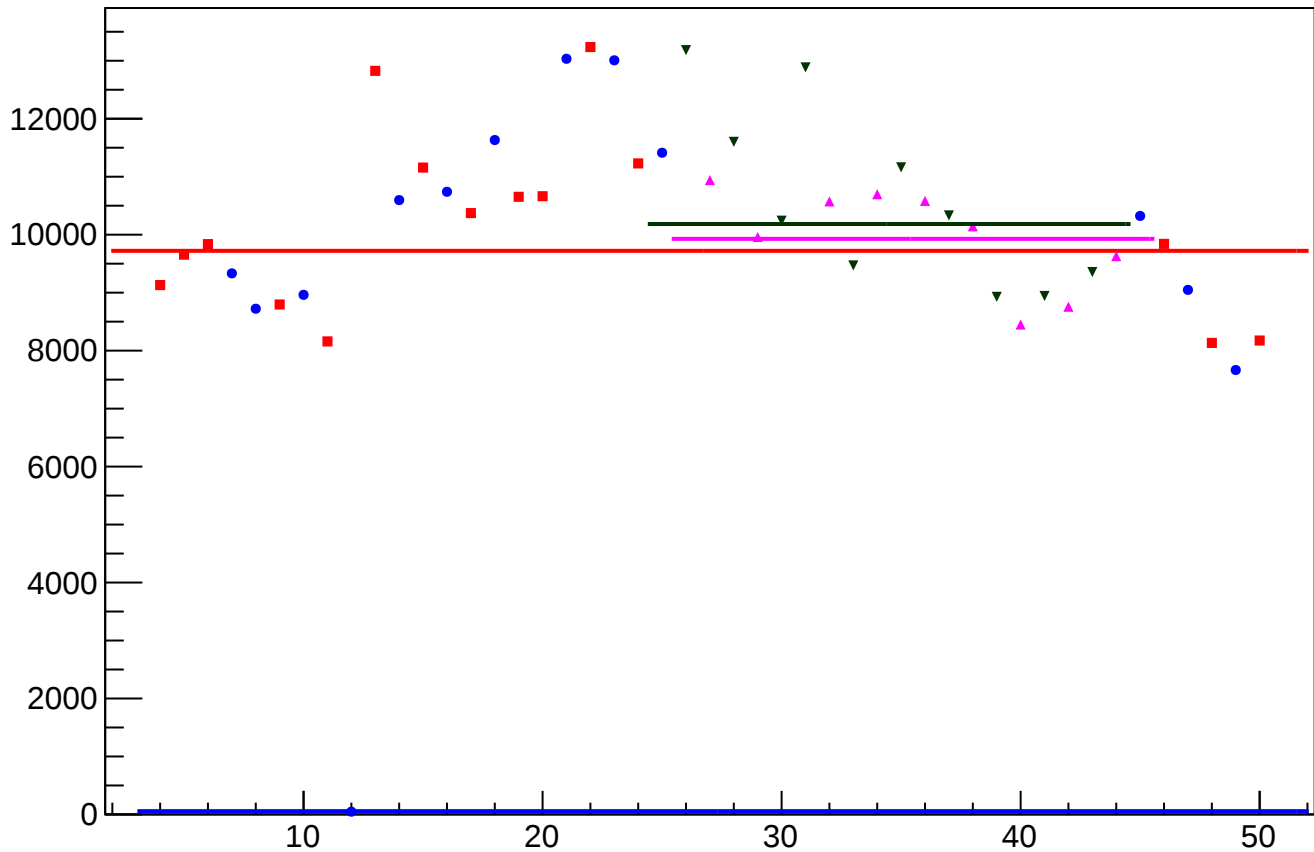
Right Out: -6.281 ± 3.494 χ^2/NDF : 19.8/14

Left In: 7.861 ± 4.207 χ^2/NDF : 10.0/8

-0.176 ± 0.106 χ^2/NDF : 19.4/22

-0.507 ± 2.688 χ^2/NDF : 36.5/23

diff_bpm4ecX_rms vs slug



Right In: 56.954+/-0.075 χ^2/NDF : 15597176.6/12

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

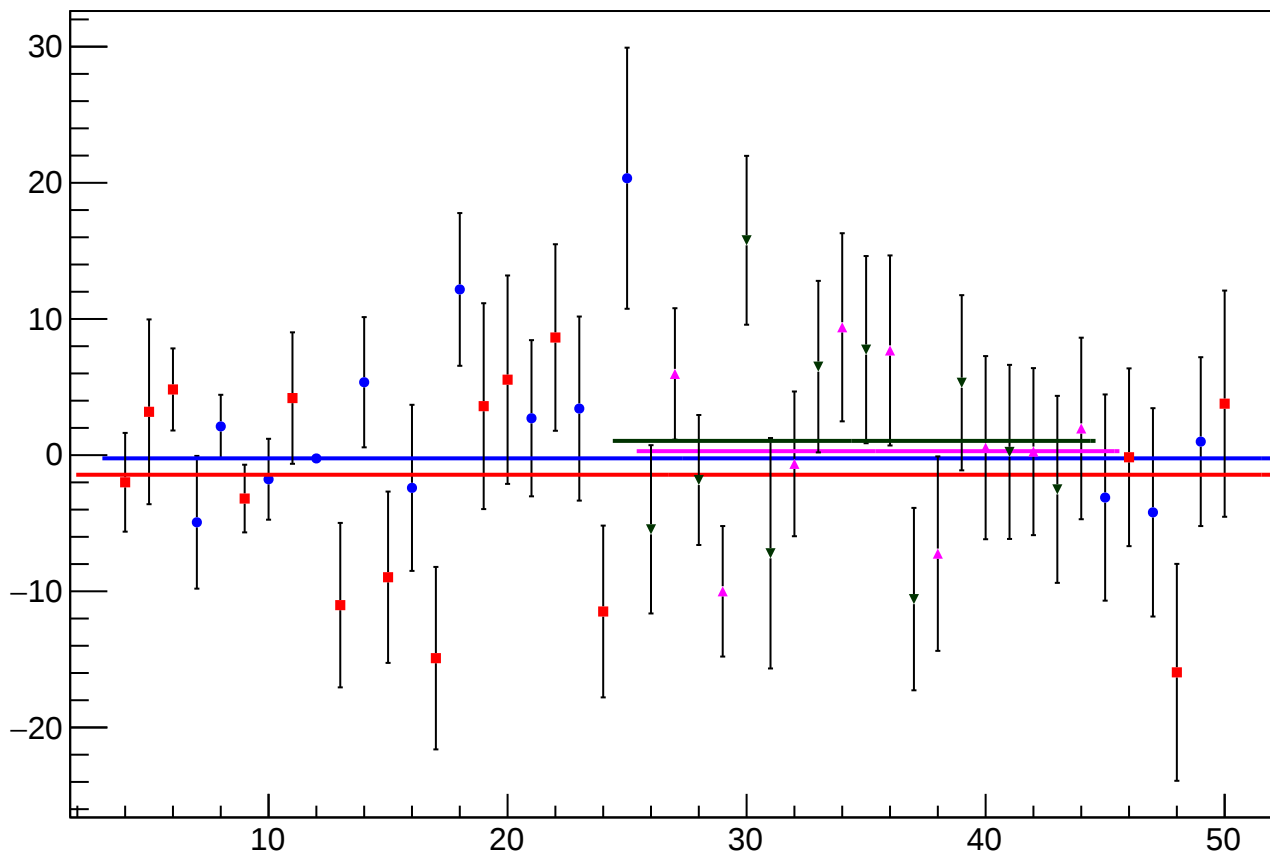
Right Out: 9721.624+/-2.471 χ^2/NDF : 383442.8/14

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

62.793+/-0.075 χ^2/NDF : 26197258.3/22

9806.079+/-1.901 χ^2/NDF : 466428.0/23

diff_bpm4ecY_mean vs slug



Right In: -0.235 ± 0.090 $\chi^2/\text{NDF}: 14.2/12$

Left Out: 1.047 ± 2.006 $\chi^2/\text{NDF}: 13.5/9$

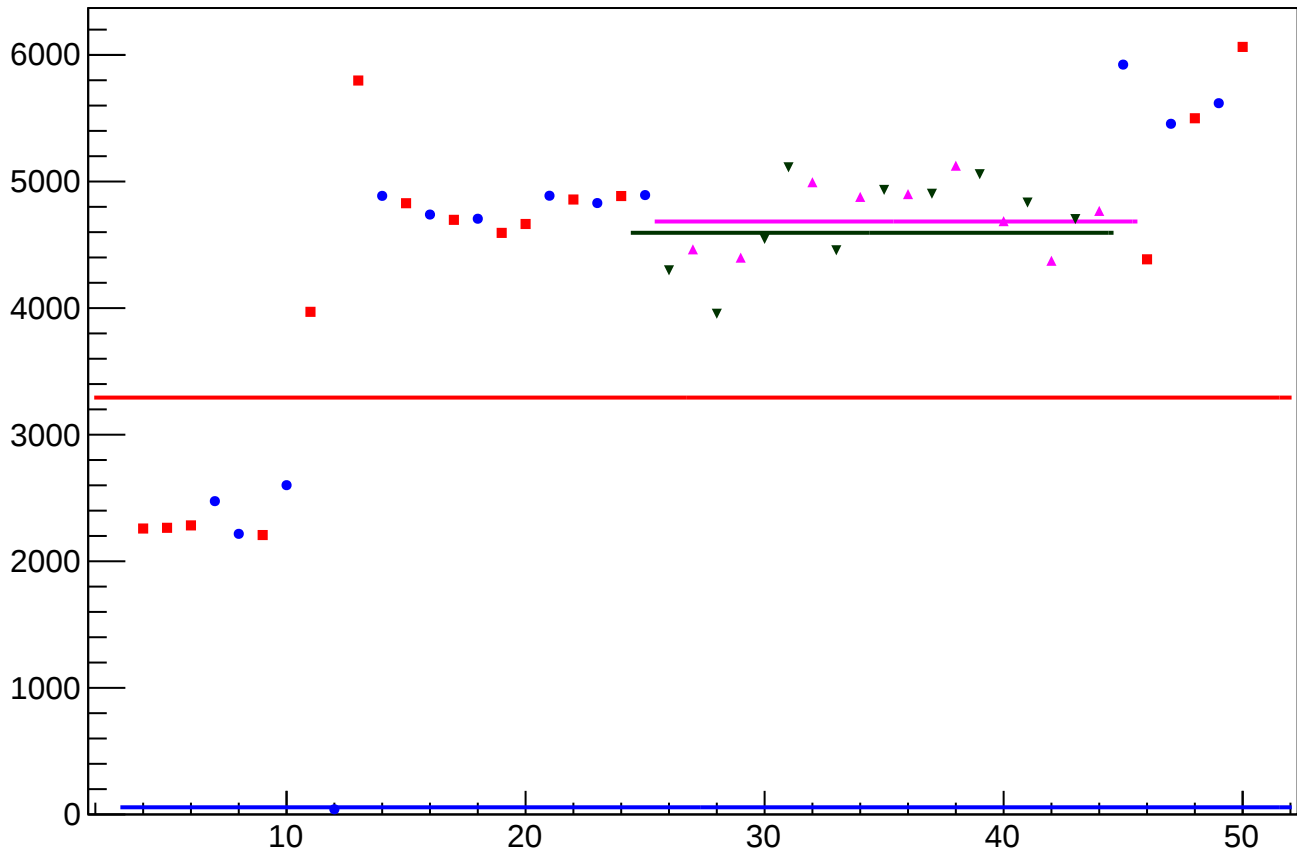
Right Out: -1.440 ± 1.268 $\chi^2/\text{NDF}: 24.4/14$

Left In: 0.291 ± 1.984 $\chi^2/\text{NDF}: 10.1/8$

-0.233 ± 0.090 $\chi^2/\text{NDF}: 28.1/22$

-0.938 ± 1.068 $\chi^2/\text{NDF}: 35.0/23$

diff_bpm4ecY_rms vs slug



Right In: 56.552 $\pm$ 0.064 χ^2 /NDF: 15077225.3/12

Left Out: 4595.004 $\pm$ 1.418 χ^2 /NDF: 71786.0/9

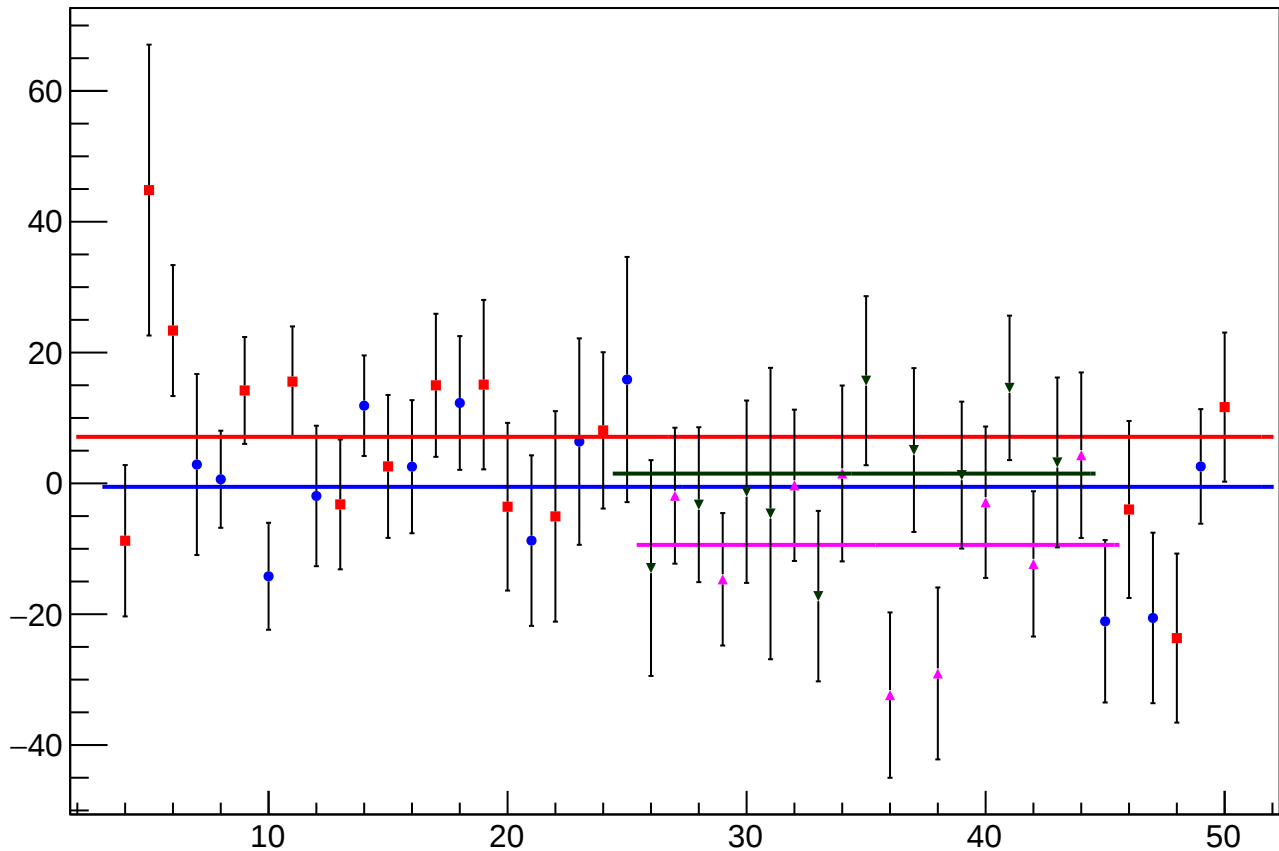
65.662 $\pm$ 0.064 χ^2 /NDF: 25366485.3/22

Right Out: 3293.215 $\pm$ 0.896 χ^2 /NDF: 2192340.1/14

3696.542 $\pm$ 0.755 χ^2 /NDF: 2925178.1/23

Left In: 4684.130 $\pm$ 1.403 χ^2 /NDF: 34622.6/8

diff_bpm1X_mean vs slug



Right In: -0.528 ± 2.871 $\chi^2/\text{NDF}: 13.8/12$

Left Out: 1.495 ± 4.142 $\chi^2/\text{NDF}: 5.8/9$

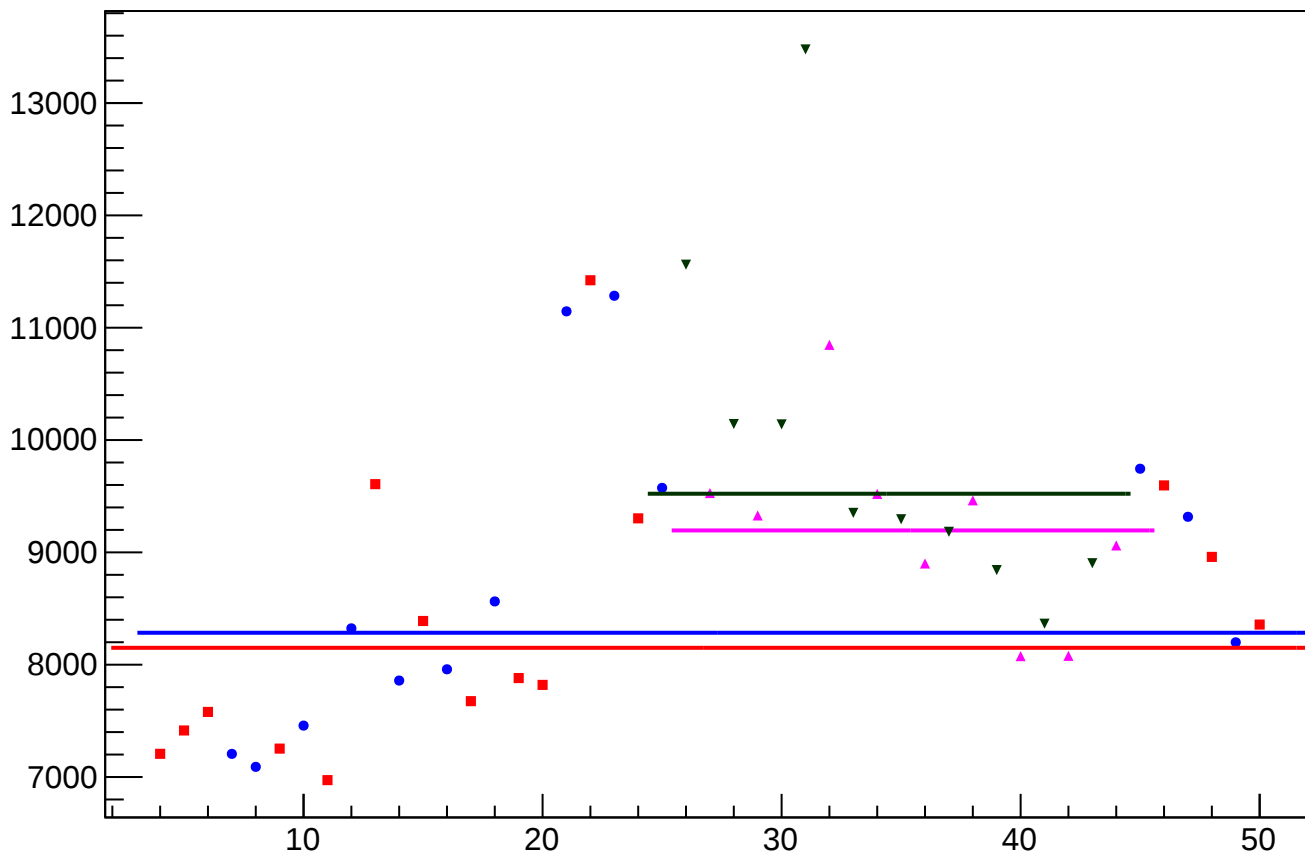
Right Out: 7.118 ± 2.918 $\chi^2/\text{NDF}: 19.1/14$

Left In: -9.400 ± 3.896 $\chi^2/\text{NDF}: 9.2/8$

0.129 ± 2.360 $\chi^2/\text{NDF}: 19.7/22$

1.181 ± 2.336 $\chi^2/\text{NDF}: 39.8/23$

diff_bpm1X_rms vs slug



Right In: 8284.307 $\pm$ 2.030 χ^2 /NDF: 312535.5/12

Left Out: 9522.004 $\pm$ 2.929 χ^2 /NDF:139291.8/9

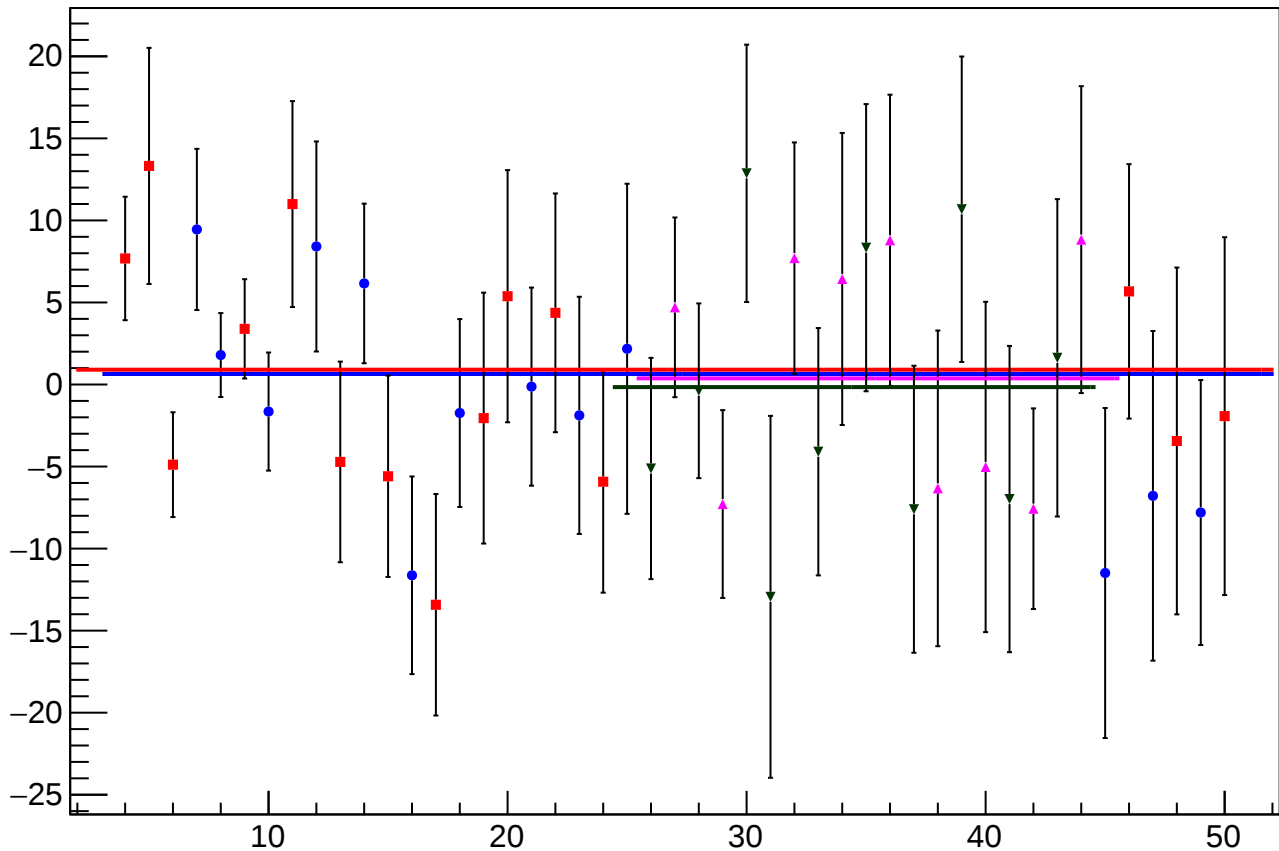
Right Out: 8150.406 $\pm$ 2.063 χ^2 /NDF: 267694.2/14

Left In: 9195.242 $\pm$ 2.755 χ^2 /NDF:85448.4/8

8685.989 $\pm$ 1.669 χ^2 /NDF: 572445.8/22

8525.969 $\pm$ 1.651 χ^2 /NDF: 445303.5/23

diff_bpm1Y_mean vs slug



Right In: 0.641 ± 1.432 χ^2/NDF : 14.2/12

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

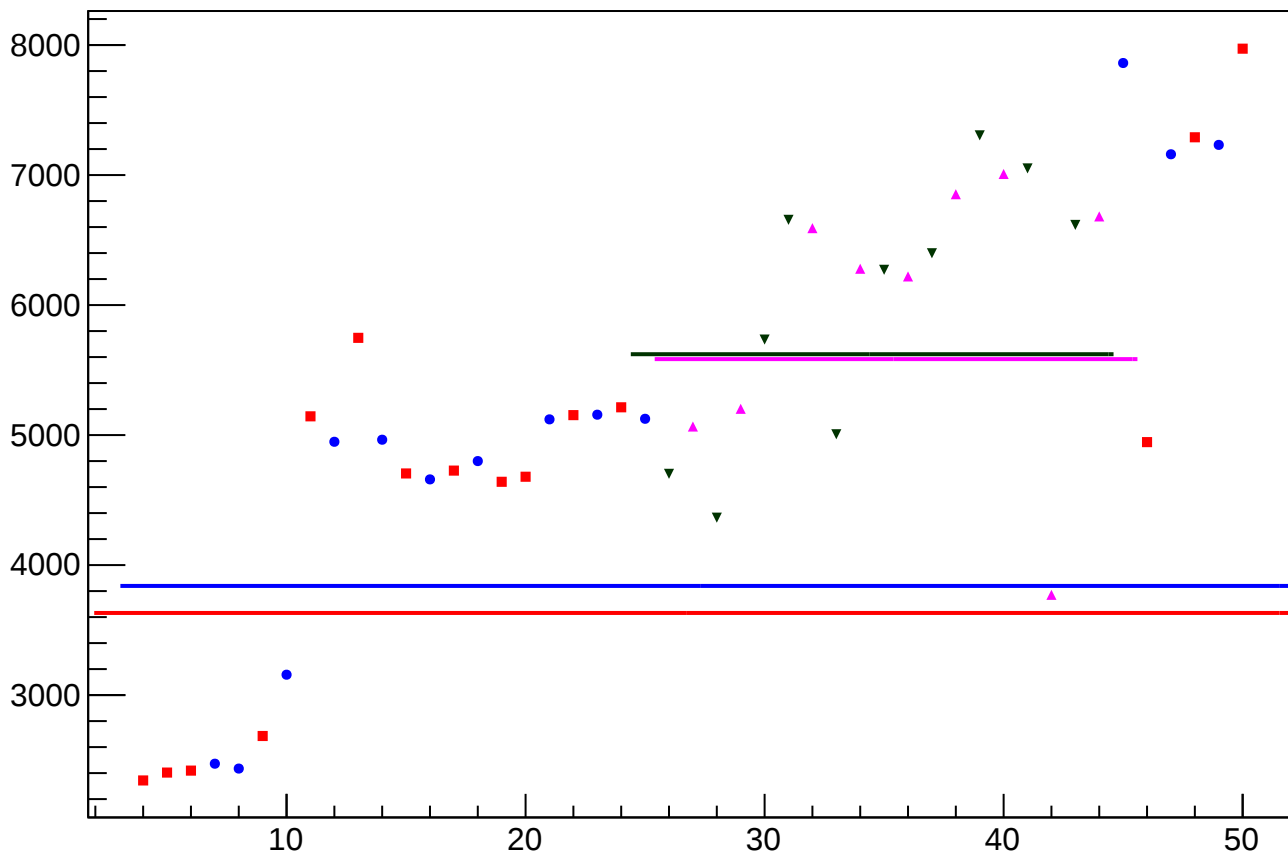
Right Out: 0.903 ± 1.405 χ^2/NDF : 21.6/14

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

0.444 ± 1.243 χ^2/NDF : 22.8/22

0.771 ± 1.217 χ^2/NDF : 29.8/23

diff_bpm1Y_rms vs slug



Right In: 3839.673+/-1.012 χ^2/NDF : 2171753.4/12

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

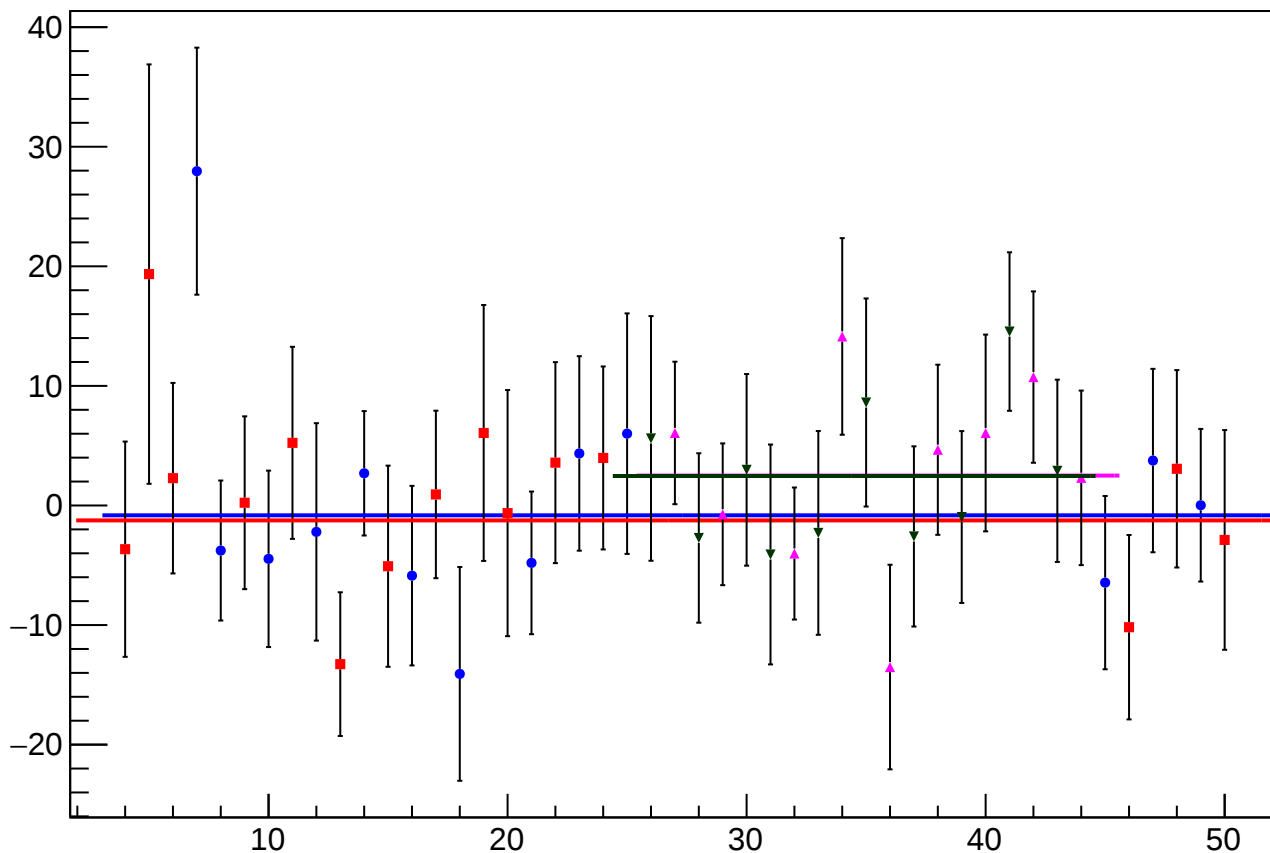
Right Out: 3631.764+/-0.993 χ^2/NDF : 2129482.0/14

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

4278.133+/-0.879 χ^2/NDF : 3274835.7/22

4118.337+/-0.861 χ^2/NDF : 3460749.2/23

diff_bpm11X_mean vs slug



Right In: -0.824 ± 2.000 χ^2/NDF : 13.7/12

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

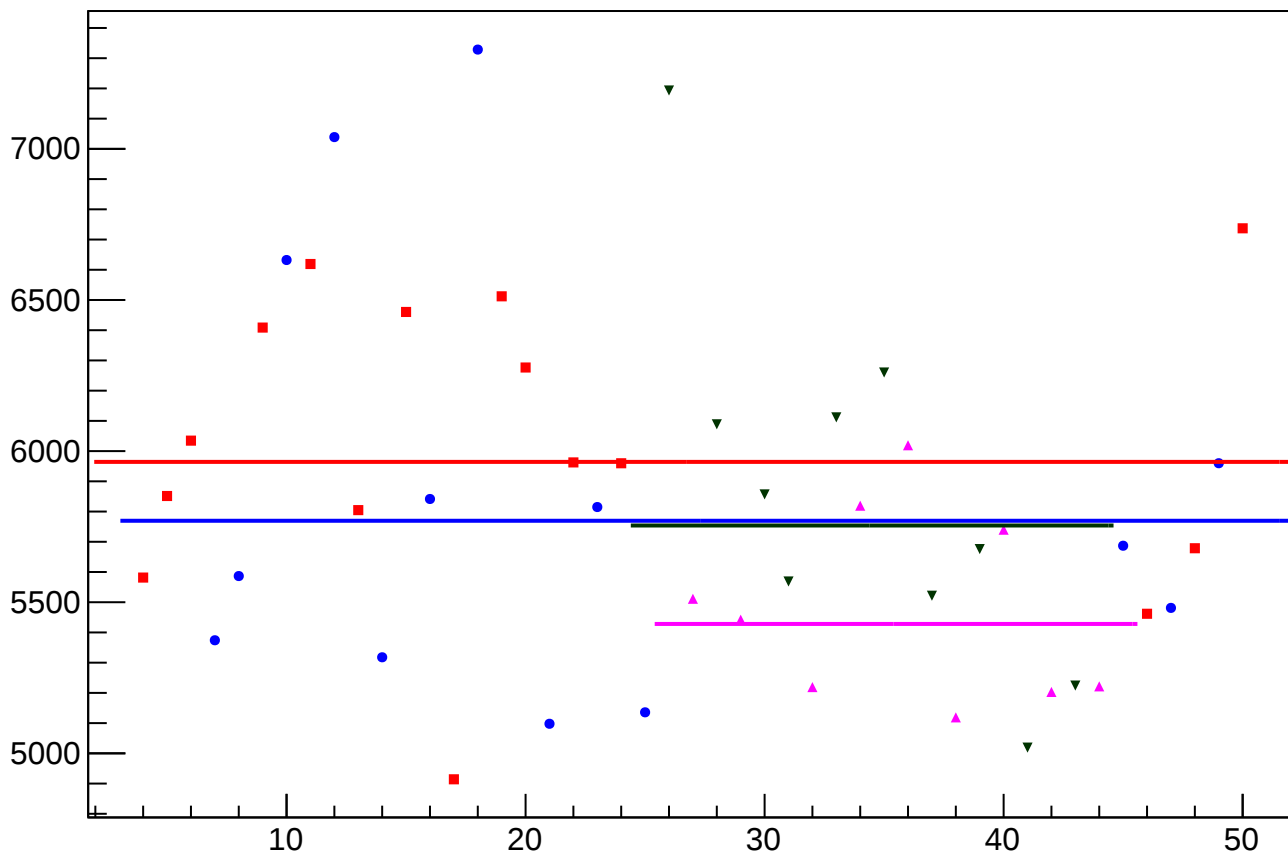
Right Out: -1.249 ± 2.127 χ^2/NDF : 9.6/14

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

0.463 ± 1.560 χ^2/NDF : 20.7/22

0.488 ± 1.559 χ^2/NDF : 20.2/23

diff_bpm11X_rms vs slug



Right In: 5769.525+/-1.414 χ^2/NDF : 185577.3/12

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

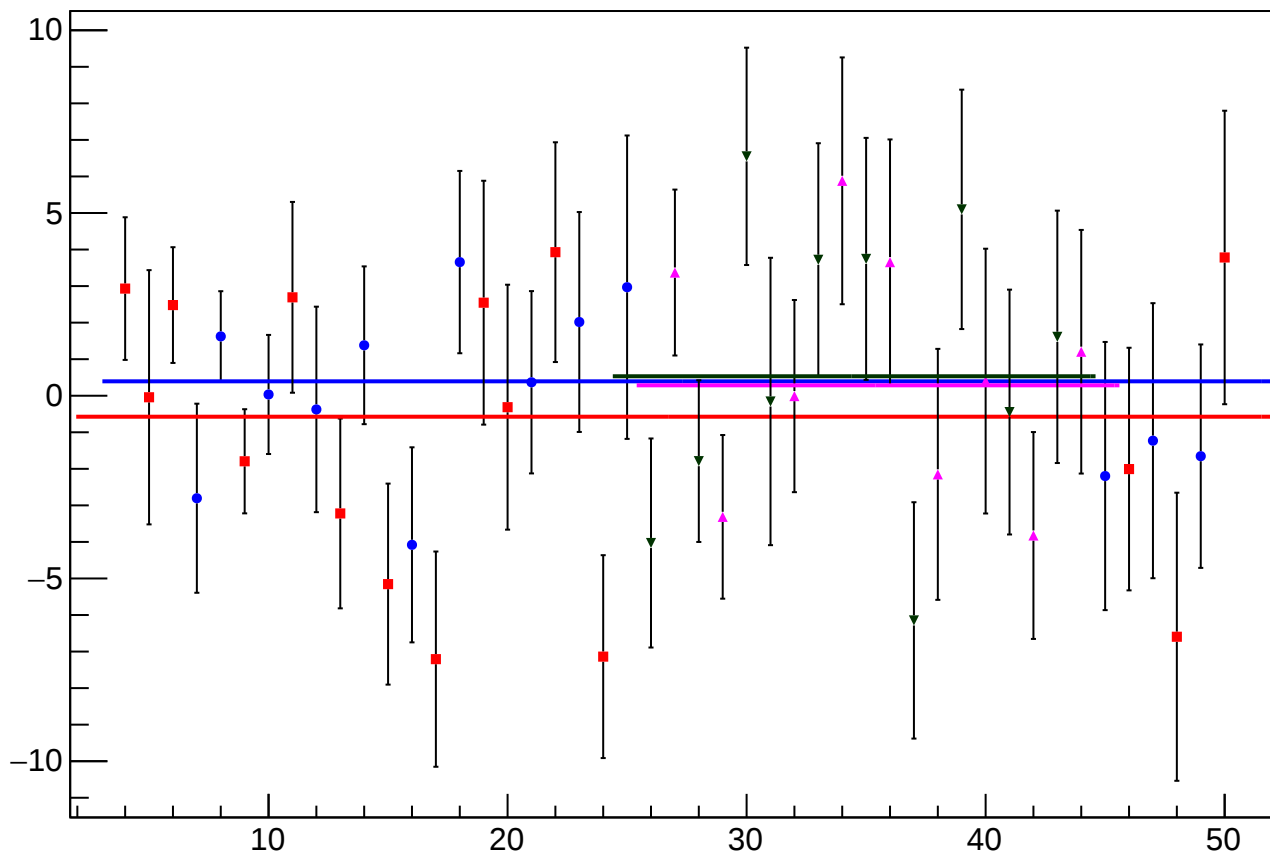
Right Out: 5964.338+/-1.504 χ^2/NDF : 110189.5/14

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

5763.395+/-1.103 χ^2/NDF : 277499.8/22

5715.973+/-1.102 χ^2/NDF : 196620.3/23

diff_bpm11Y_mean vs slug



Right In: 0.394 ± 0.645 χ^2/NDF : 9.2/12

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

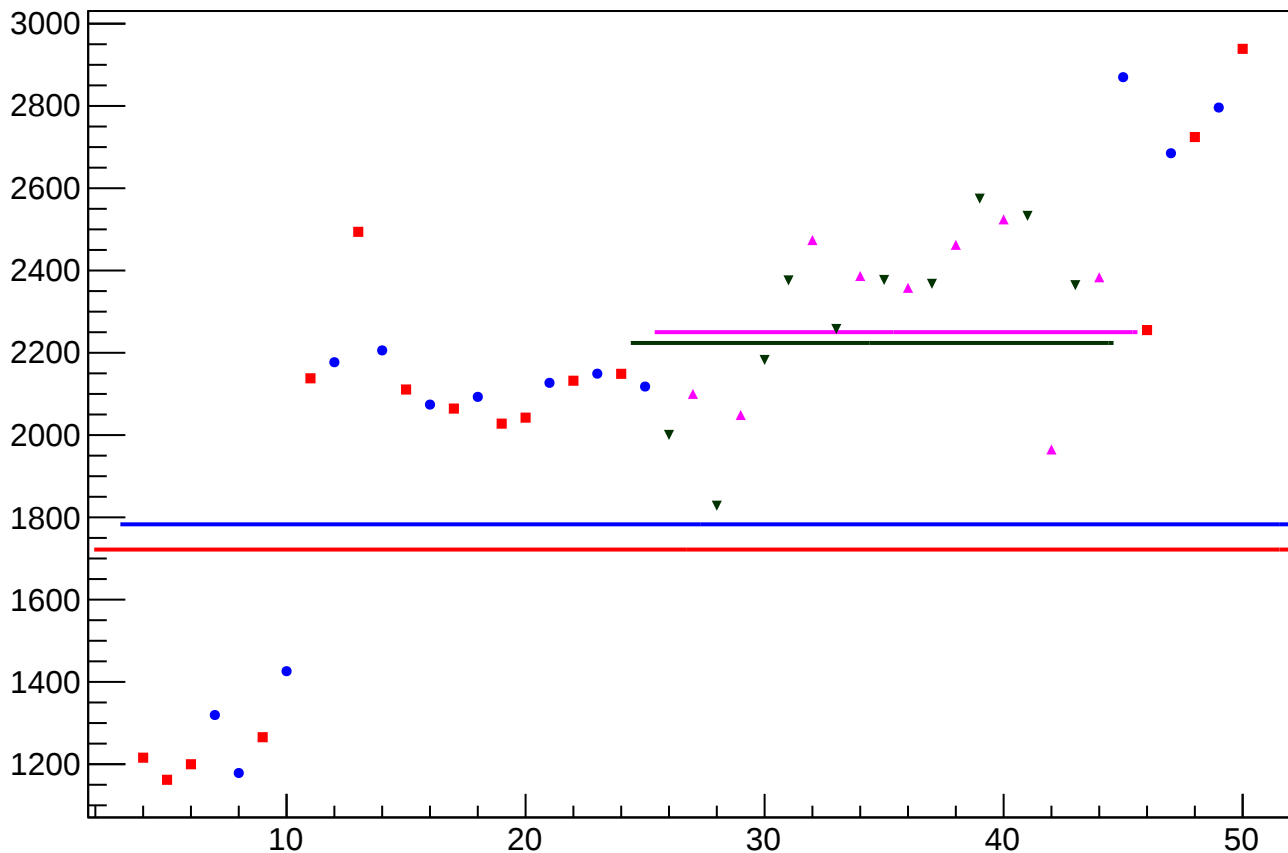
Right Out: -0.574 ± 0.643 χ^2/NDF : 30.6/14

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

0.437 ± 0.538 χ^2/NDF : 25.3/22

-0.307 ± 0.534 χ^2/NDF : 42.0/23

diff_bpm11Y_rms vs slug



Right In: 1783.040+/-0.456 χ^2/NDF : 1399915.1/12

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

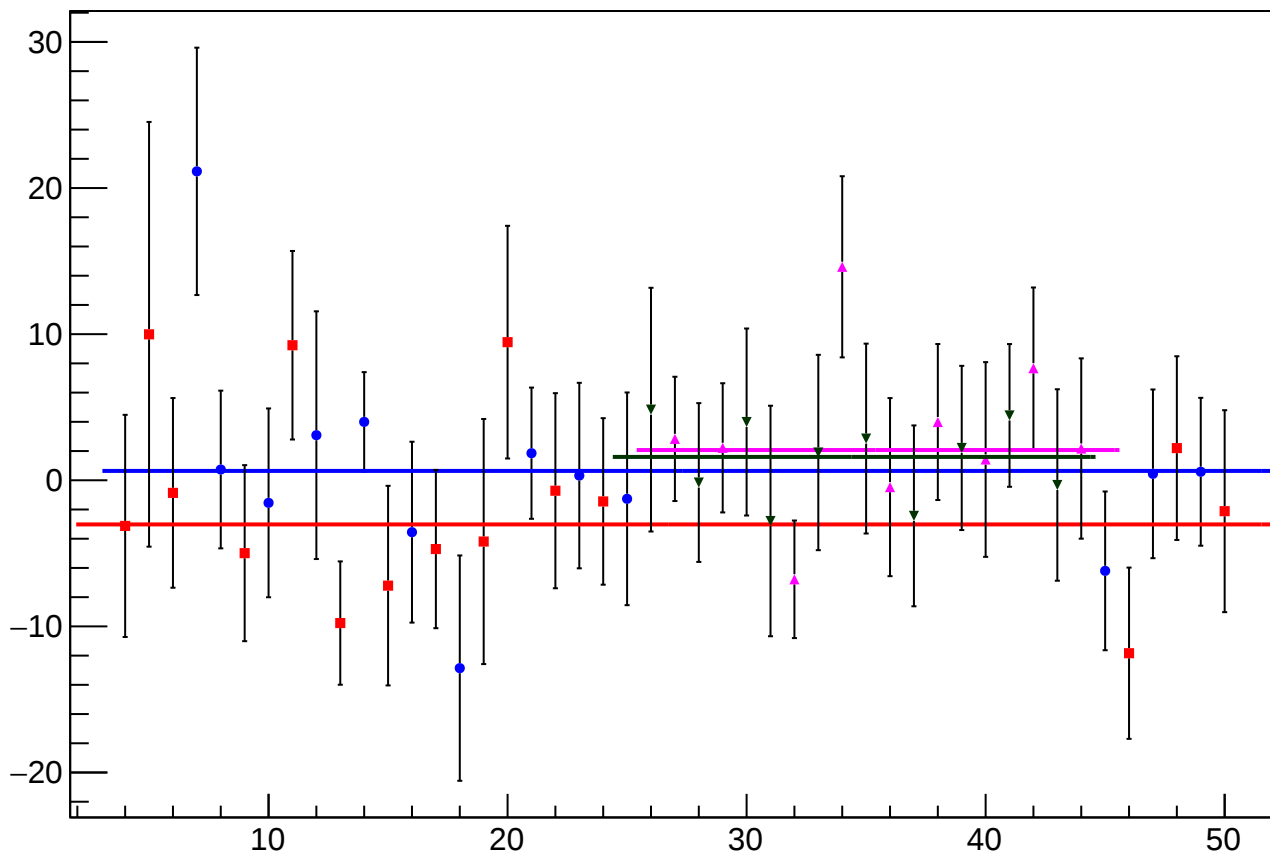
1917.592+/-0.380 χ^2/NDF : 1816422.5/22

Right Out: 1721.746+/-0.455 χ^2/NDF : 1387841.8/14

1886.104+/-0.378 χ^2/NDF : 1894738.8/23

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

diff_bpm12X_mean vs slug



Right In: 0.640 ± 1.559 χ^2/NDF : 12.3/12

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

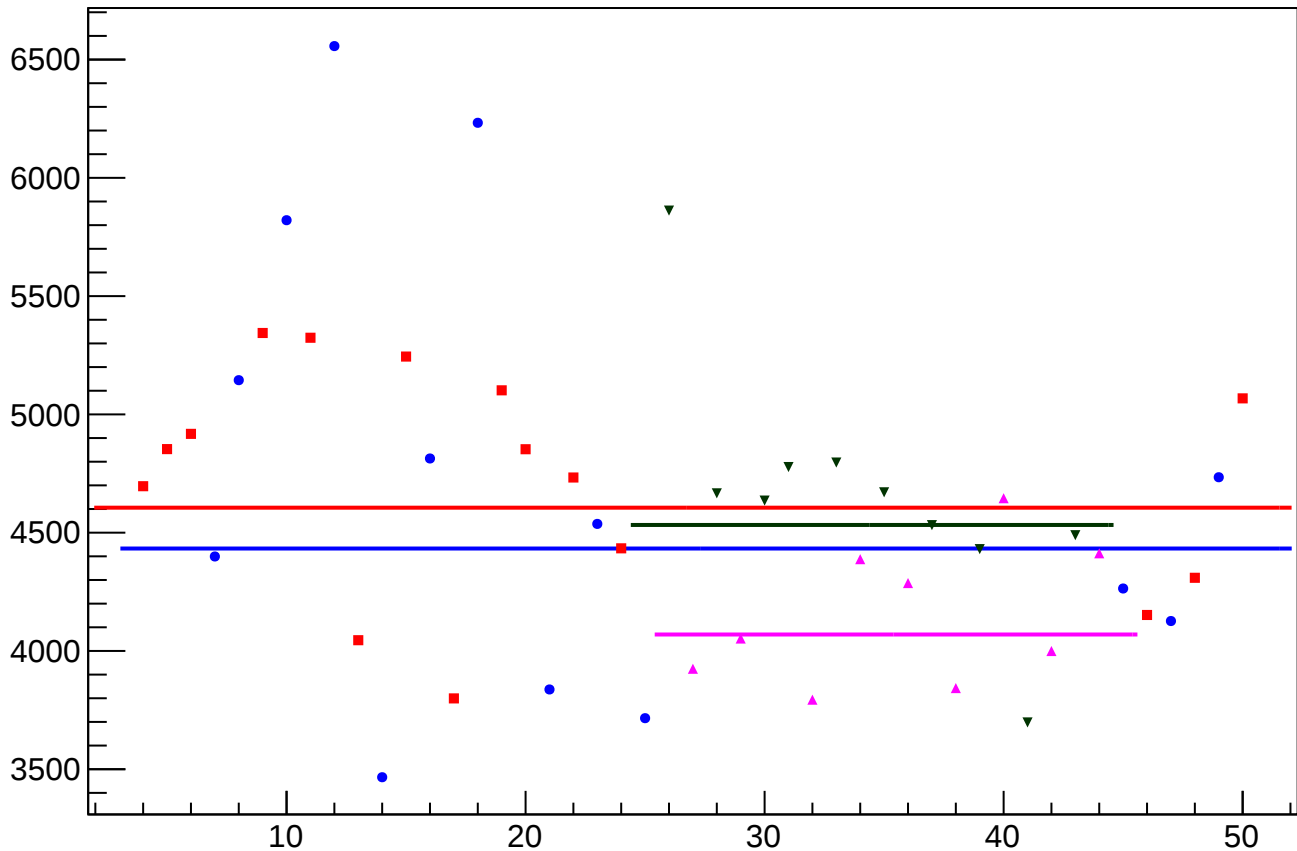
Right Out: -3.022 ± 1.649 χ^2/NDF : 13.3/14

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

1.009 ± 1.222 χ^2/NDF : 14.0/22

-0.583 ± 1.191 χ^2/NDF : 28.2/23

diff_bpm12X_rms vs slug



Right In: 4433.006+/-1.102 χ^2/NDF : 600099.3/12

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

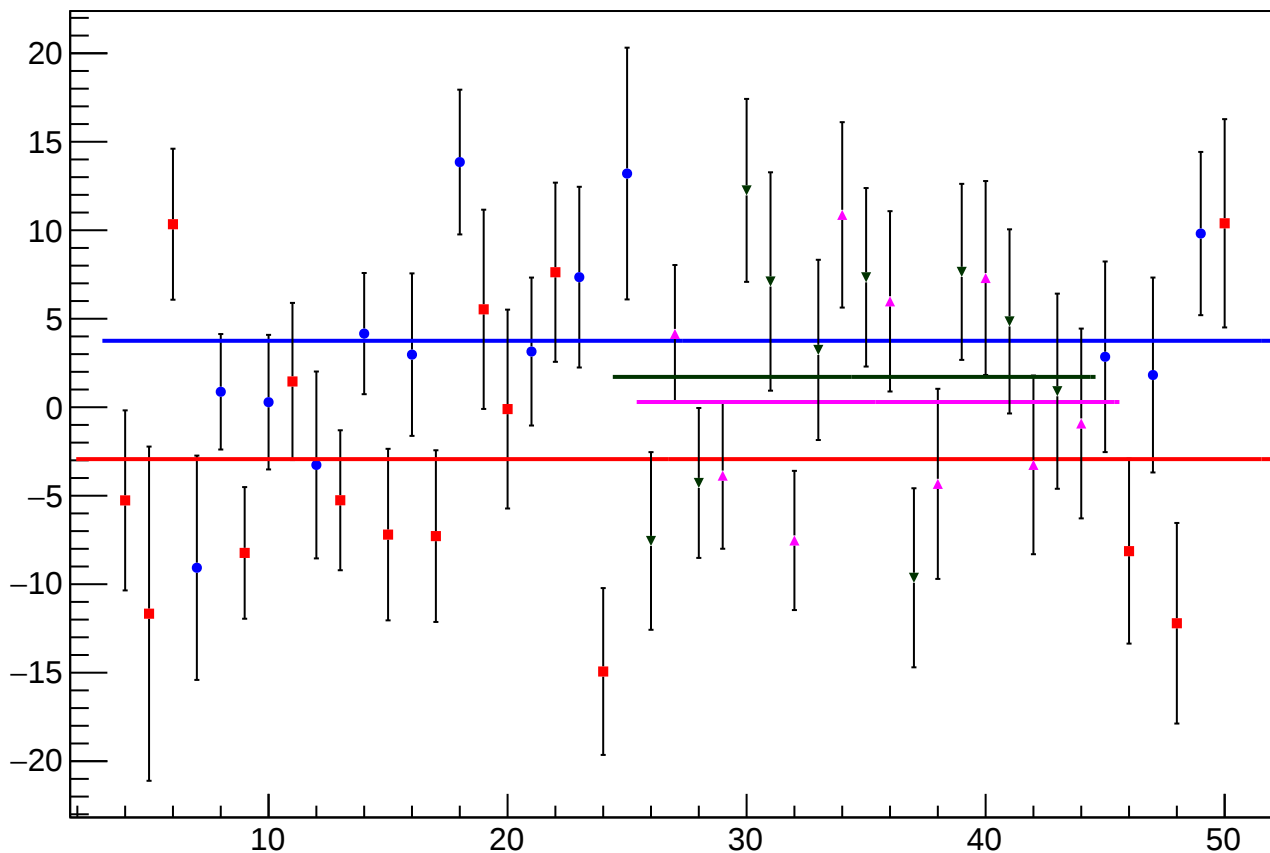
4471.365+/-0.864 χ^2/NDF : 720874.0/22

Right Out: 4605.655+/-1.166 χ^2/NDF : 194250.9/14

4348.918+/-0.842 χ^2/NDF : 340052.1/23

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

diff_bpm12Y_mean vs slug



Right In: 3.754 ± 1.244 $\chi^2/\text{NDF}: 17.8/12$

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

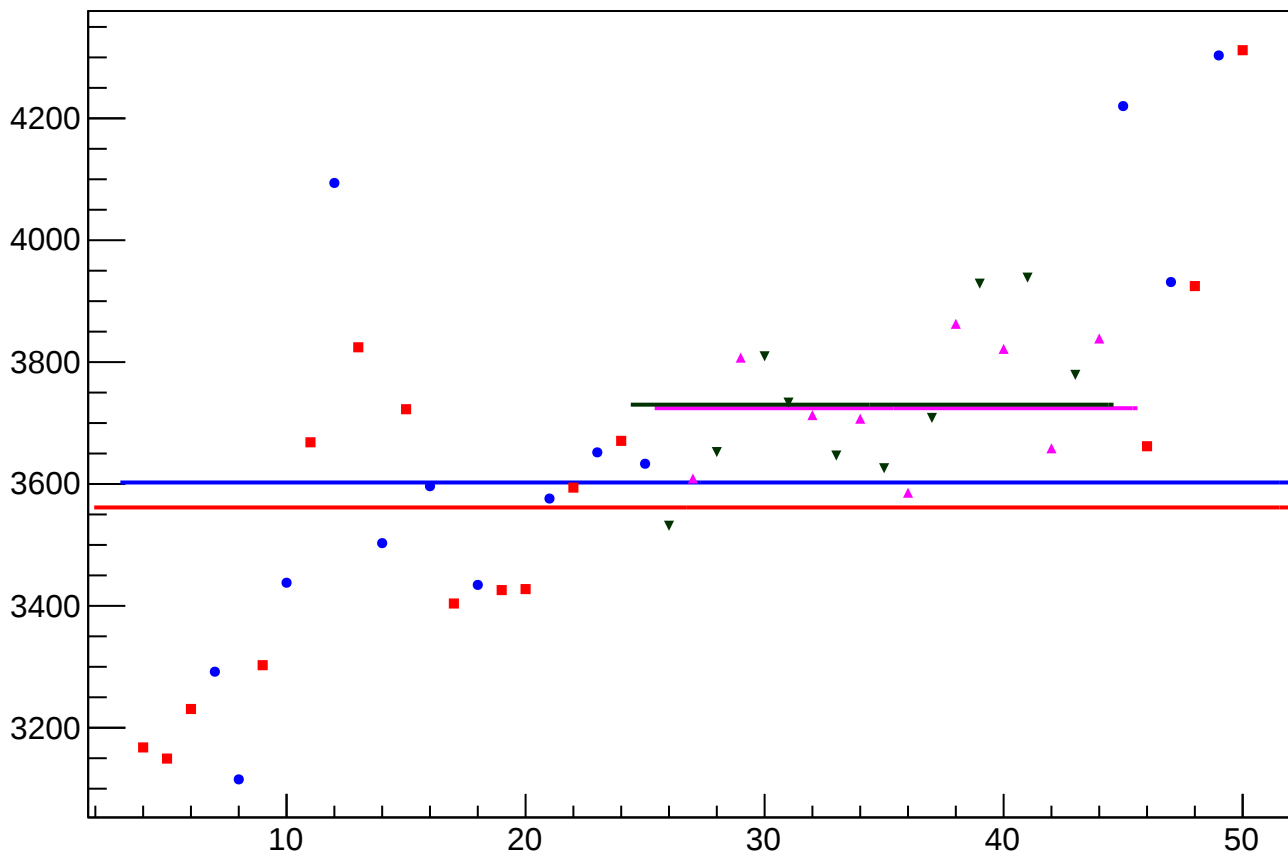
Right Out: -2.932 ± 1.269 $\chi^2/\text{NDF}: 37.8/14$

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

2.990 ± 0.984 $\chi^2/\text{NDF}: 37.3/22$

-1.656 ± 0.987 $\chi^2/\text{NDF}: 54.6/23$

diff_bpm12Y_rms vs slug



Right In: 3602.462 $\pm$ 0.880 χ^2 /NDF: 155468.0/12

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

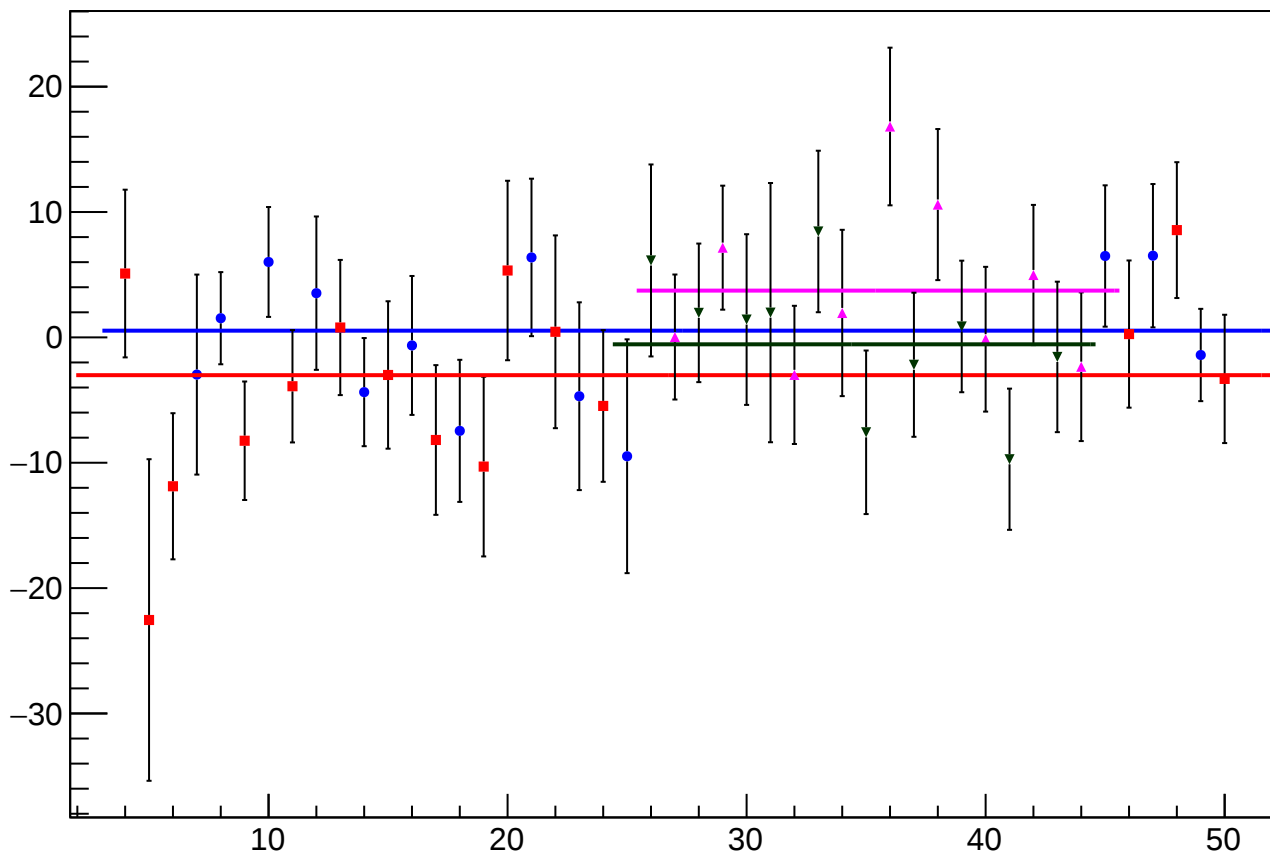
Right Out: 3561.476 $\pm$ 0.897 χ^2 /NDF: 96740.5/14

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

3650.241 $\pm$ 0.696 χ^2 /NDF: 175620.6/22

3625.894 $\pm$ 0.698 χ^2 /NDF: 117058.2/23

diff_bpm16X_mean vs slug



Right In: 0.536 ± 1.449 χ^2/NDF : 10.4/12

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

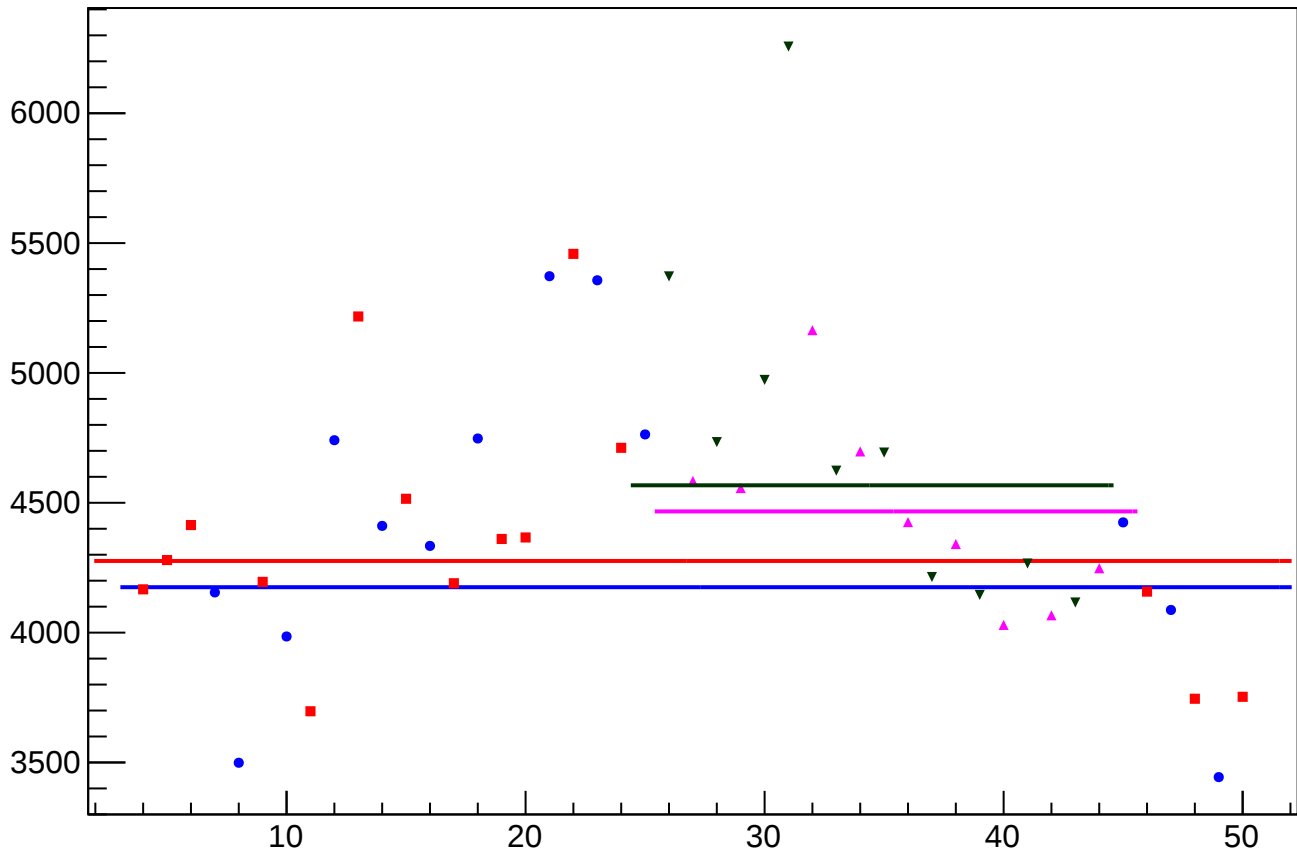
Right Out: -3.014 ± 1.528 χ^2/NDF : 16.2/14

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

0.157 ± 1.170 χ^2/NDF : 17.6/22

-0.347 ± 1.188 χ^2/NDF : 33.7/23

diff_bpm16X_rms vs slug



Right In: 4174.922 ± 1.024 $\chi^2/\text{NDF}: 330439.6/12$

Left Out: 4567.308 ± 1.402 $\chi^2/\text{NDF}: 122824.8/9$

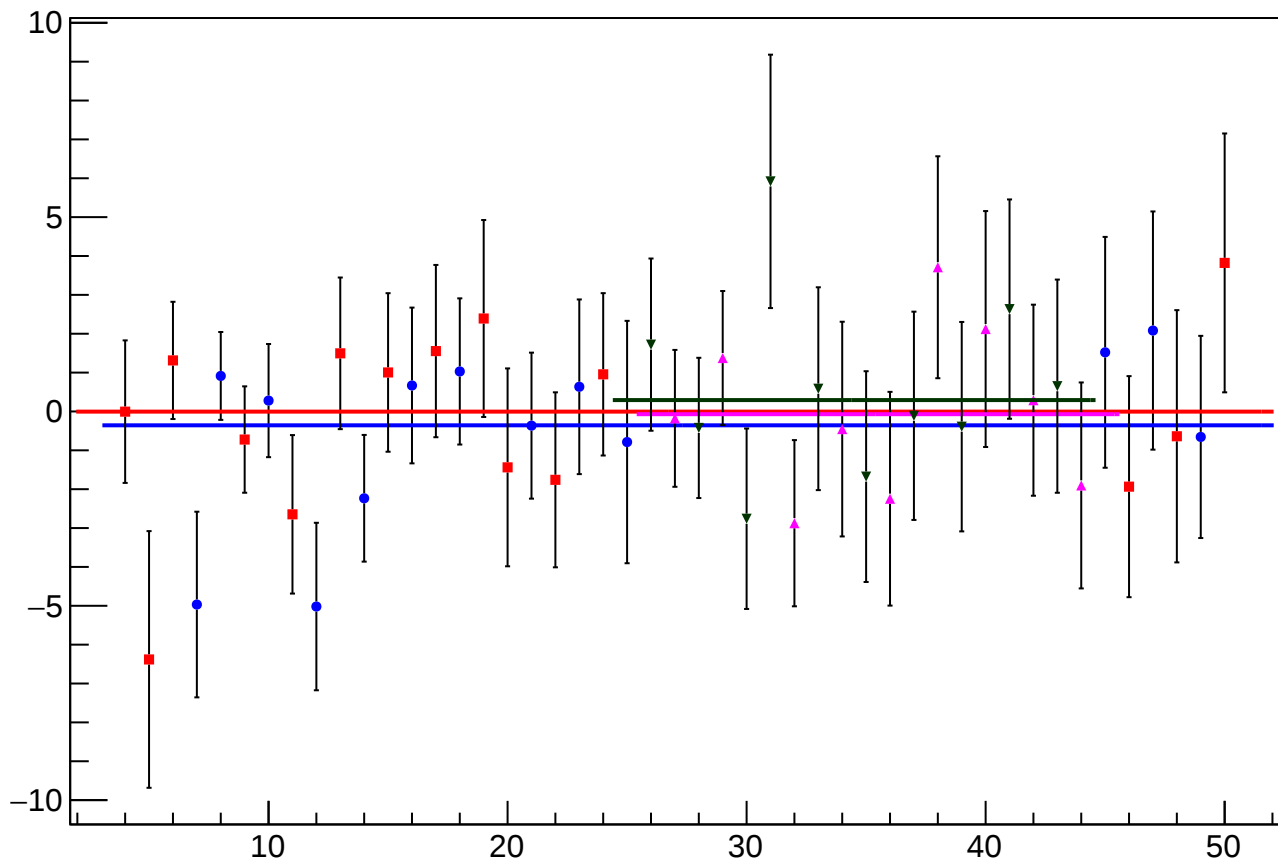
Right Out: 4275.962 ± 1.081 $\chi^2/\text{NDF}: 199449.8/14$

Left In: 4466.769 ± 1.336 $\chi^2/\text{NDF}: 61630.0/8$

4311.431 ± 0.827 $\chi^2/\text{NDF}: 504311.5/22$

4351.395 ± 0.840 $\chi^2/\text{NDF}: 273407.2/23$

diff_bpm16Y_mean vs slug



Right In: -0.356 ± 0.534 χ^2/NDF : 13.3/12

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

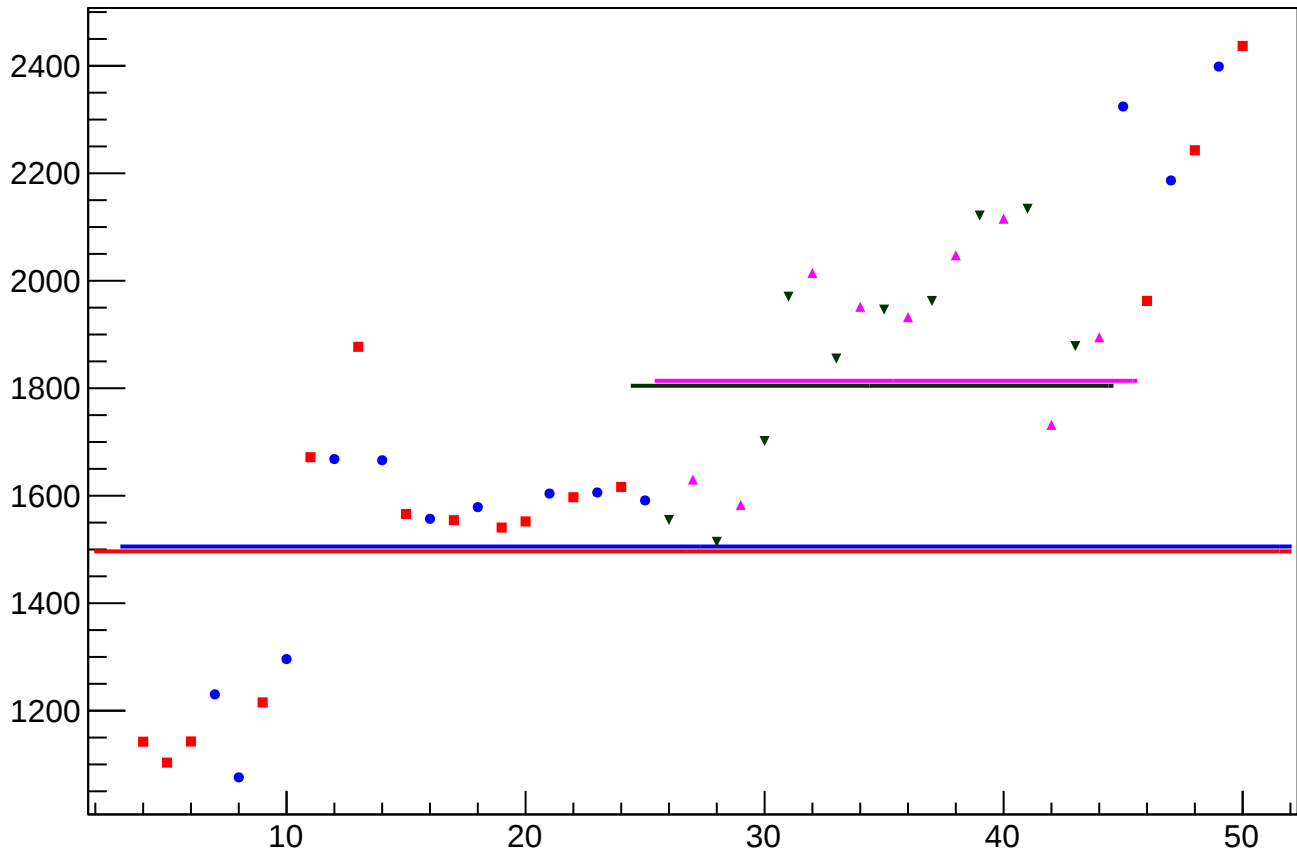
Right Out: -0.004 ± 0.546 χ^2/NDF : 11.6/14

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

-0.152 ± 0.442 χ^2/NDF : 20.3/22

-0.026 ± 0.446 χ^2/NDF : 17.5/23

diff_bpm16Y_rms vs slug



Right In: 1505.512 $\pm$ 0.378 χ^2 /NDF: 889509.7/12

Left Out: 1804.555 $\pm$ 0.557 χ^2 /NDF:155790.9/9

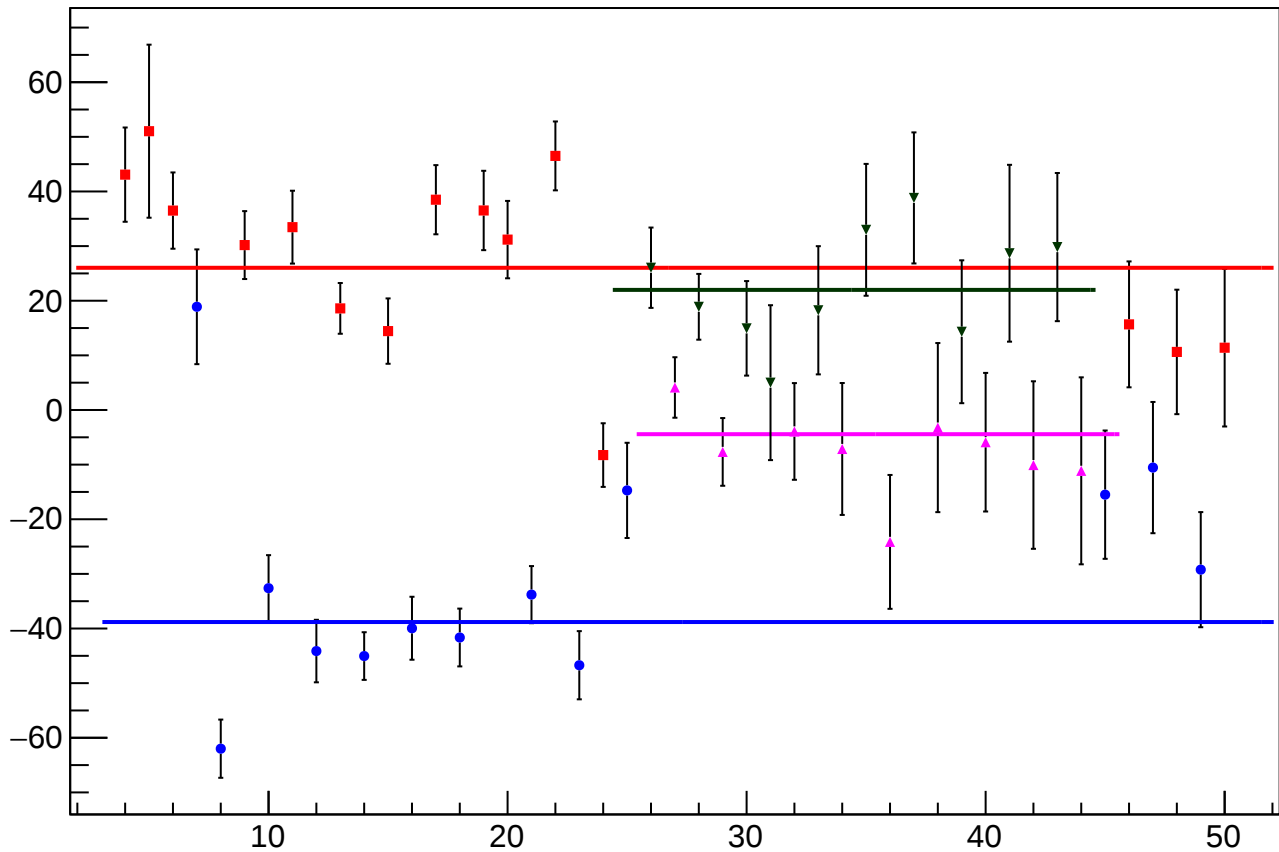
Right Out: 1496.443 $\pm$ 0.386 χ^2 /NDF: 723138.5/14

Left In: 1813.858 $\pm$ 0.546 χ^2 /NDF:121240.8/8

1599.603 $\pm$ 0.313 χ^2 /NDF: 1242534.8/22

1602.353 $\pm$ 0.315 χ^2 /NDF: 1069966.4/23

diff_bpm0l01X_mean vs slug



Right In: -38.813 ± 1.770 χ^2/NDF : 73.9/12

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

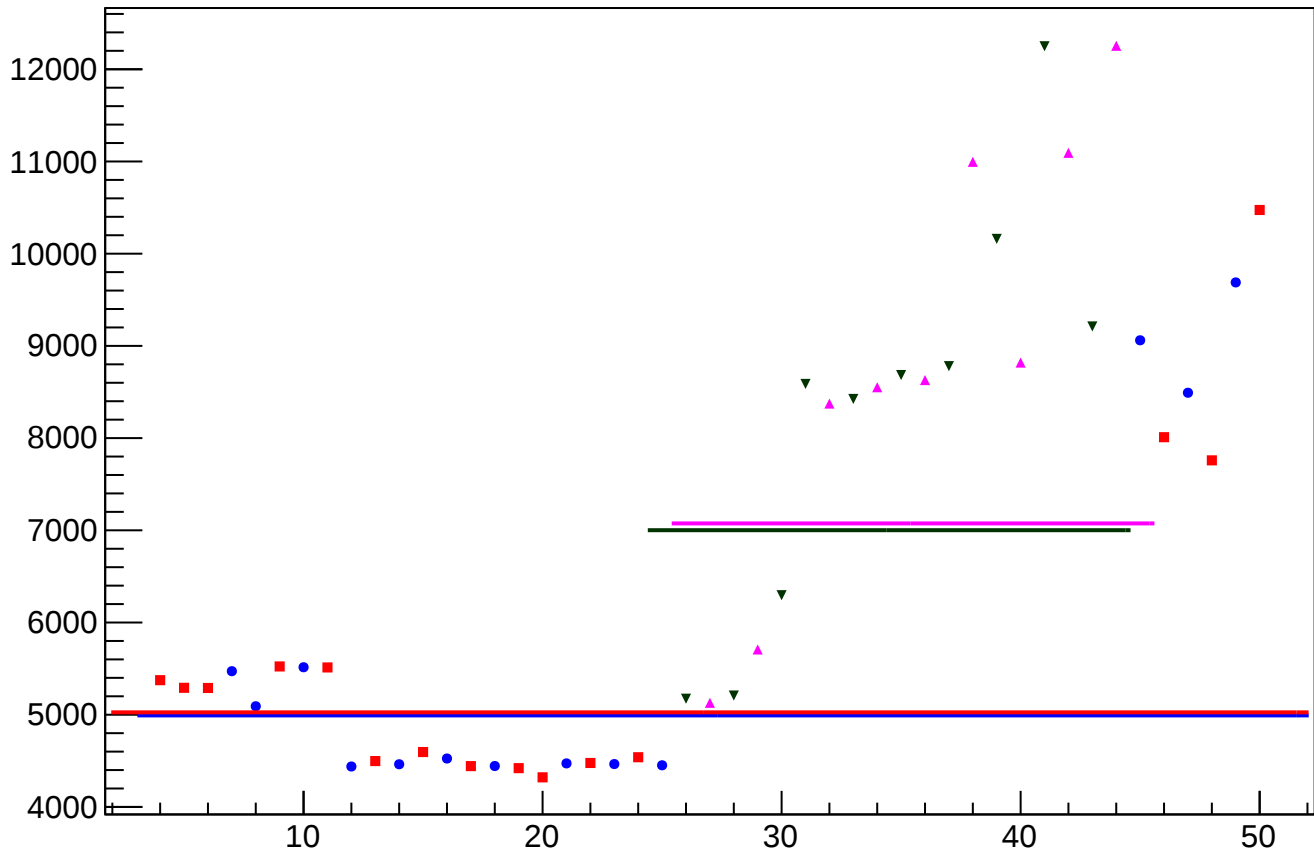
Right Out: 26.031 ± 1.828 χ^2/NDF : 72.0/14

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

-24.244 ± 1.543 χ^2/NDF : 363.0/22

18.228 ± 1.577 χ^2/NDF : 148.7/23

diff_bpm0l01X_rms vs slug



Right In: 4992.695+/-1.251 χ^2 /NDF: 951554.8/12

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

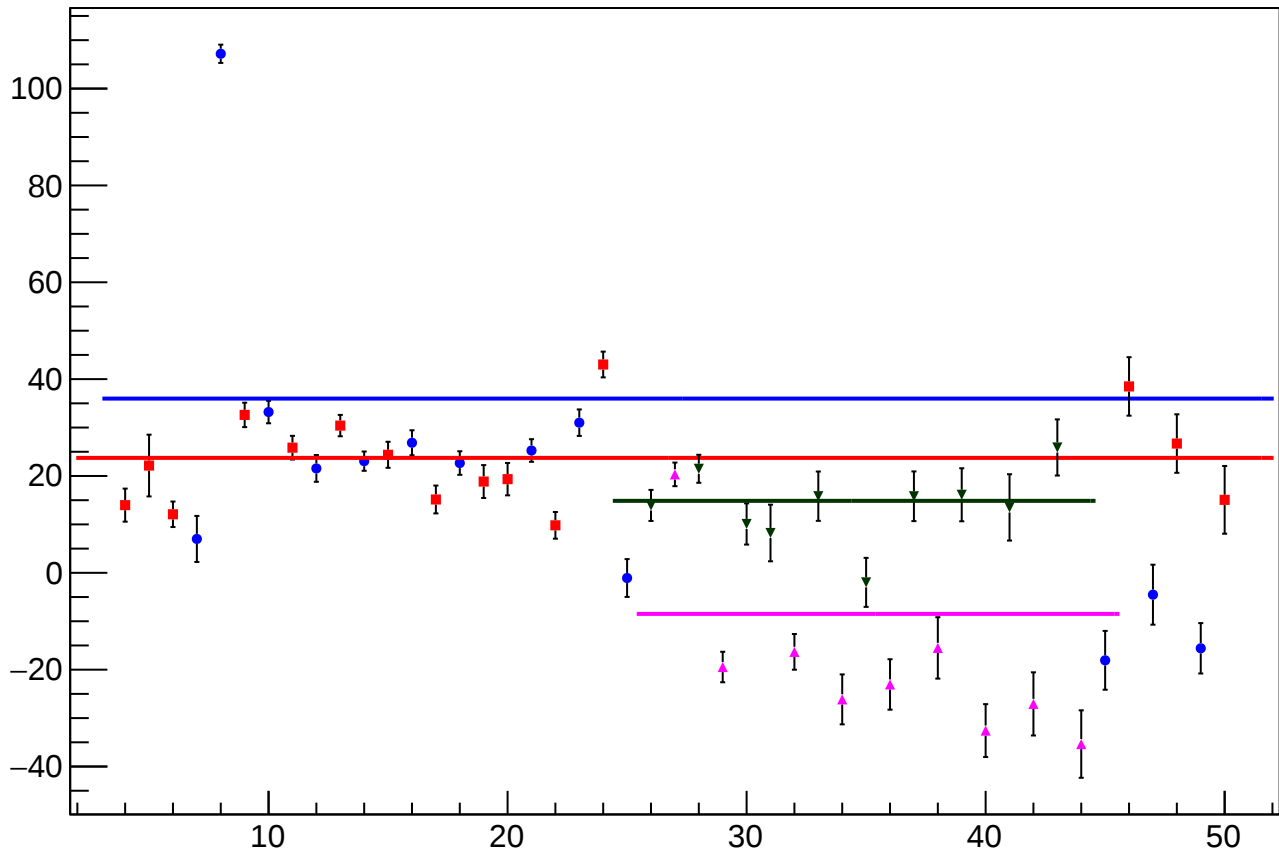
Right Out: 5025.810+/-1.293 χ^2 /NDF: 680983.6/14

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

5473.955+/-1.091 χ^2 /NDF: 2400455.3/22

5550.727+/-1.115 χ^2 /NDF: 2260860.5/23

diff_bpm0l01Y_mean vs slug



Right In: 35.983 $\pm$ 0.770 χ^2/NDF : 1913.0/12

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

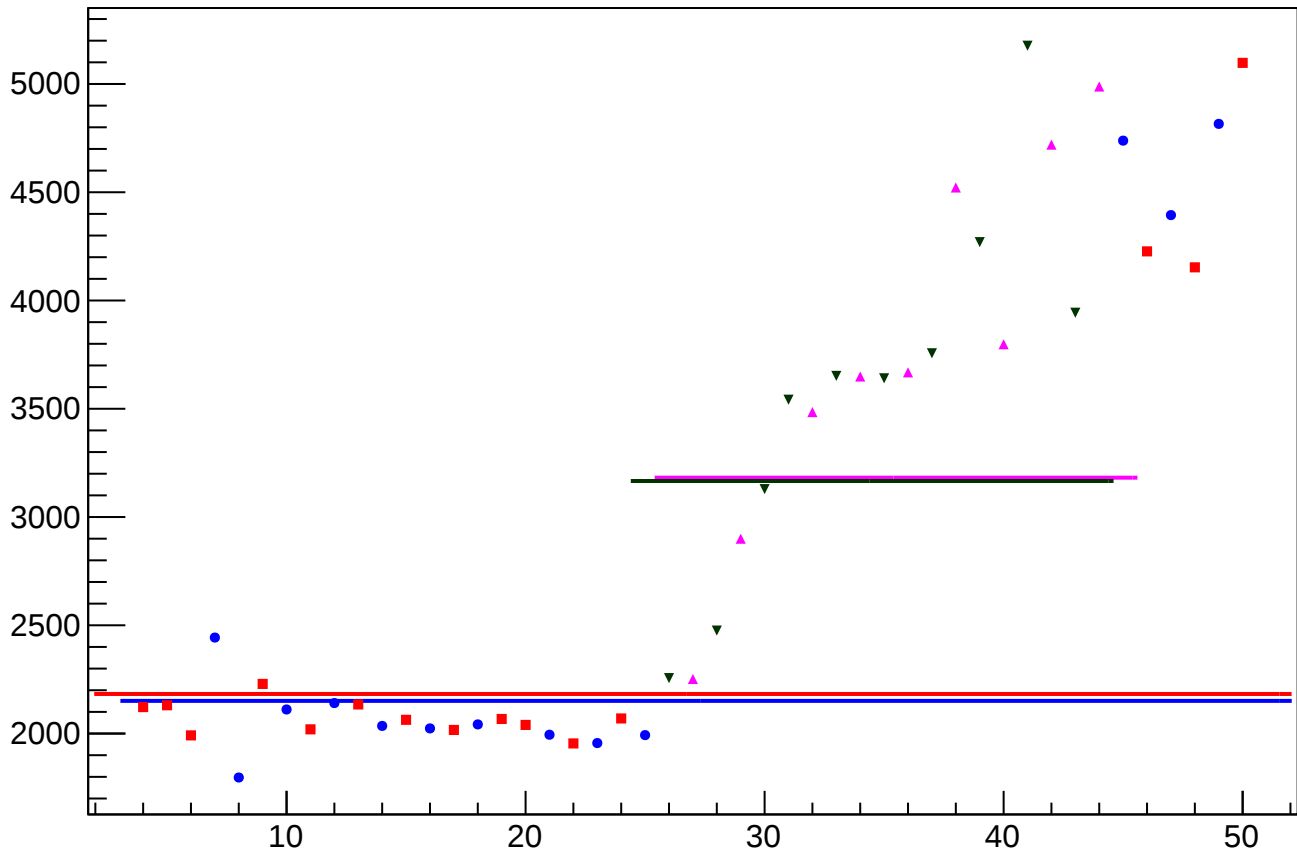
Right Out: 23.736 $\pm$ 0.799 χ^2/NDF : 148.7/14

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

31.142 $\pm$ 0.676 χ^2/NDF : 2108.1/22

15.712 $\pm$ 0.692 χ^2/NDF : 773.9/23

diff_bpm0l01Y_rms vs slug



Right In: 2150.906+/-0.545 χ^2/NDF : 1267019.2/12

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

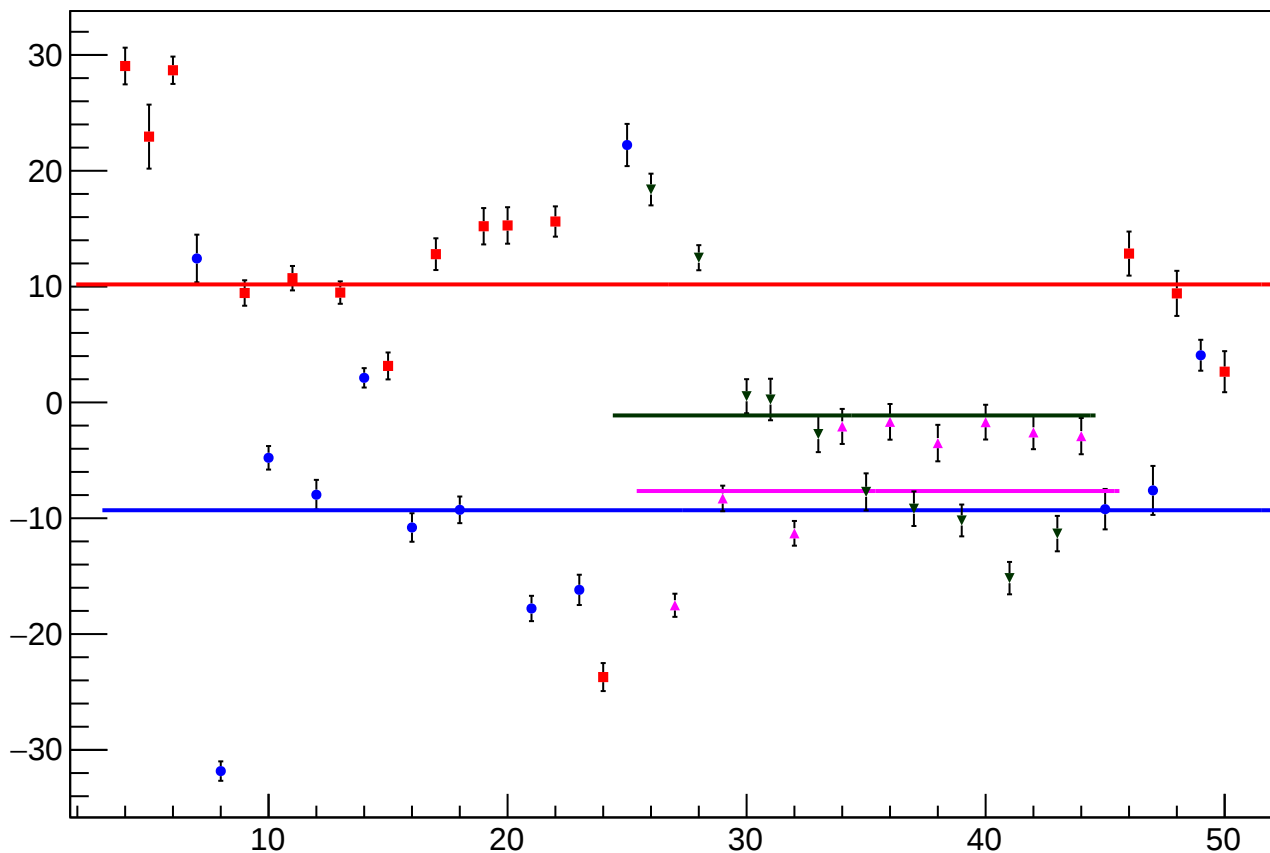
2383.692+/-0.478 χ^2/NDF : 2699642.6/22

Right Out: 2182.806+/-0.565 χ^2/NDF : 844716.9/14

2431.597+/-0.489 χ^2/NDF : 2339548.0/23

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

diff_bpm2i01X_mean vs slug



Right In: -9.309 ± 0.335 χ^2/NDF : 1529.6/12

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

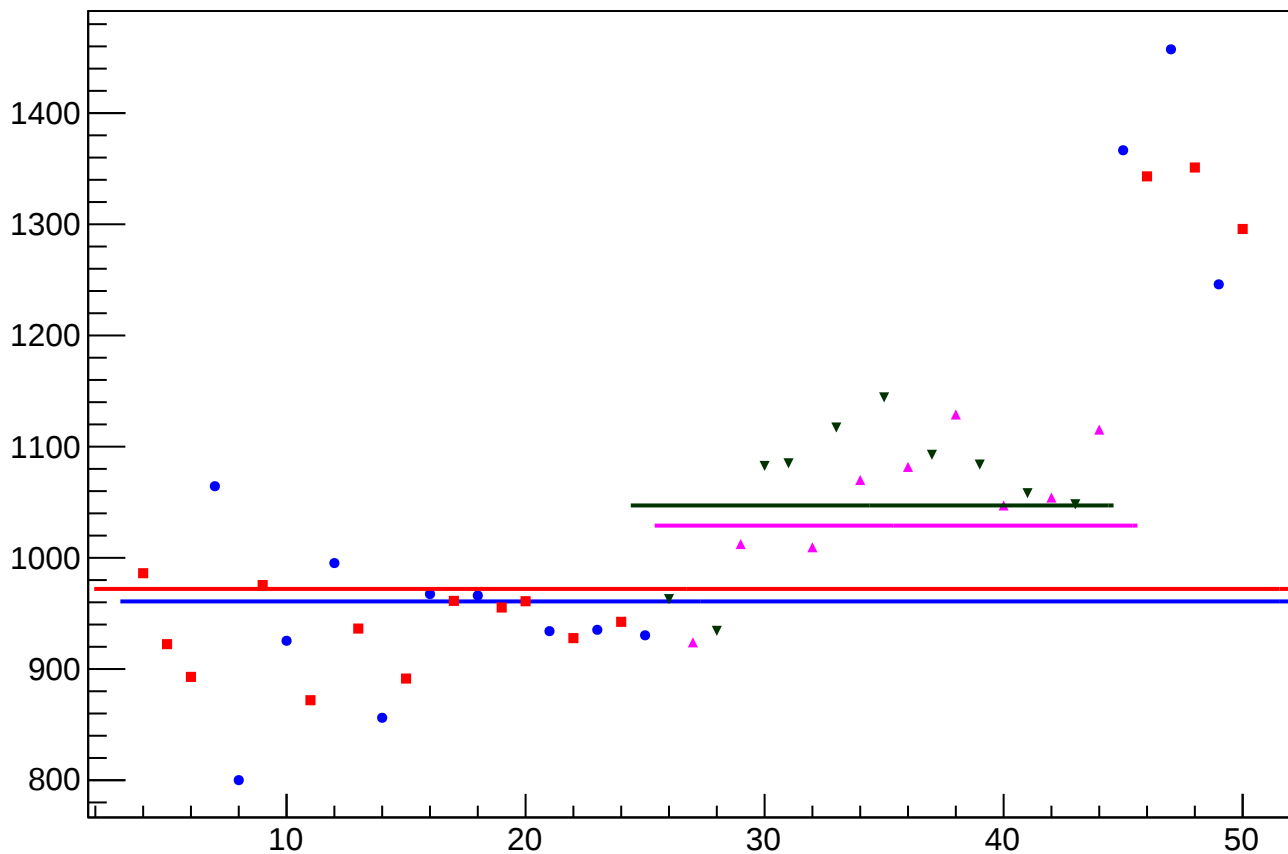
Right Out: 10.188 ± 0.348 χ^2/NDF : 1293.9/14

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

-6.413 ± 0.269 χ^2/NDF : 2339.9/22

3.216 ± 0.272 χ^2/NDF : 2502.0/23

diff_bpm2i01X_rms vs slug



Right In: 960.803+/-0.237 χ^2/NDF : 426004.1/12

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

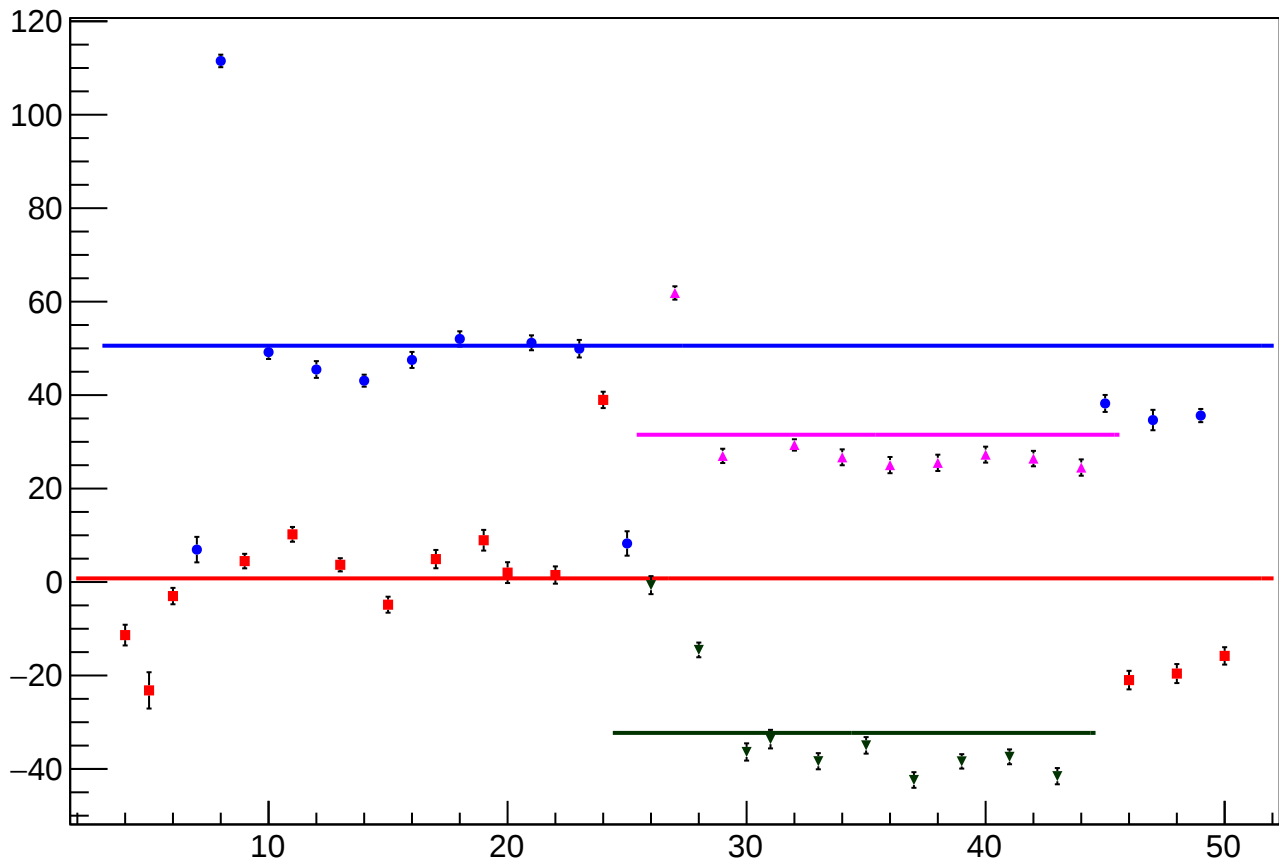
Right Out: 972.049+/-0.246 χ^2/NDF : 262719.4/14

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

991.343+/-0.190 χ^2/NDF : 519127.9/22

994.302+/-0.192 χ^2/NDF : 325692.6/23

diff_bpm2i01Y_mean vs slug



Right In: 50.572 $\pm$ 0.465 χ^2 /NDF: 2839.3/12

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

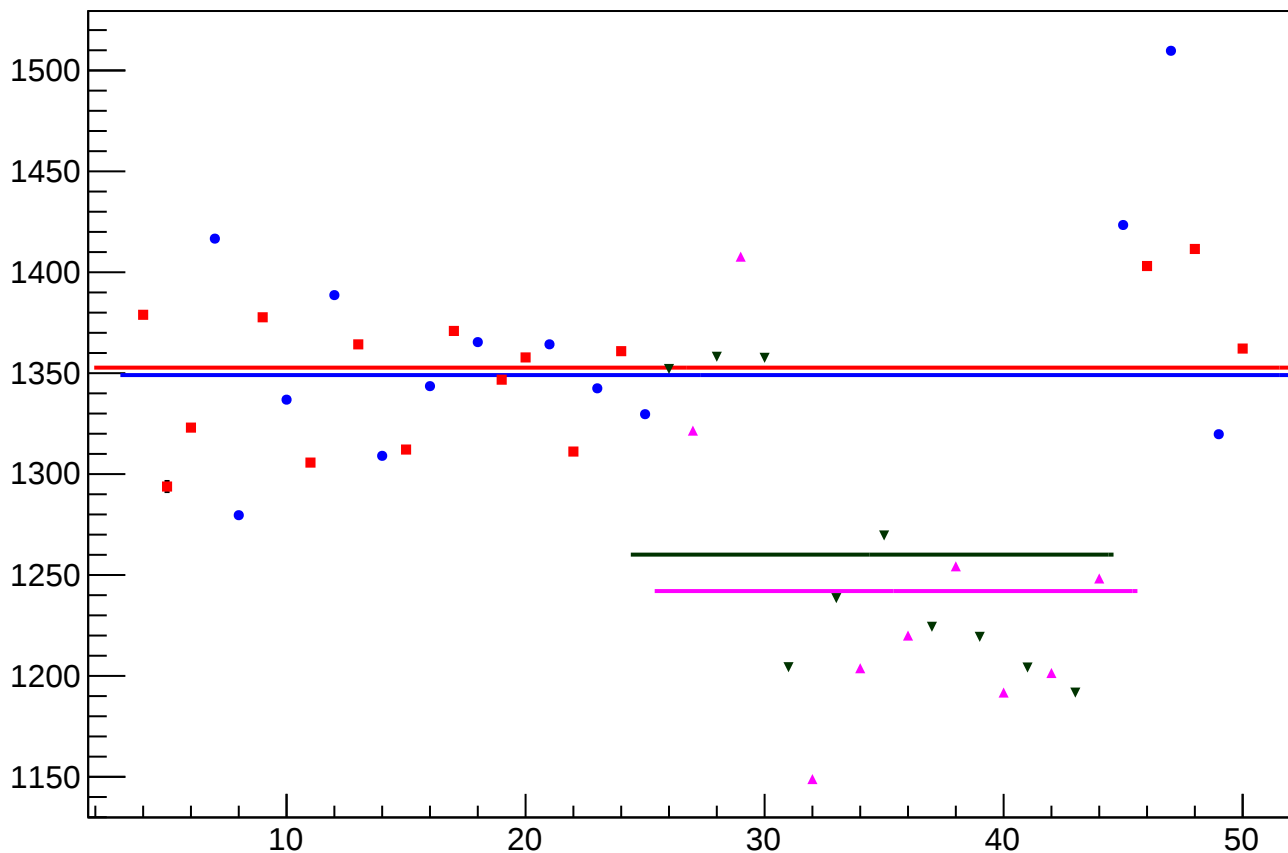
Right Out: 0.781 $\pm$ 0.481 χ^2 /NDF: 924.6/14

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

15.607 $\pm$ 0.353 χ^2 /NDF: 16749.5/22

14.833 $\pm$ 0.354 χ^2 /NDF: 3319.7/23

diff_bpm2i01Y_rms vs slug



Right In: 1349.061 $\pm$ 0.329 χ^2 /NDF: 25221.0/12

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

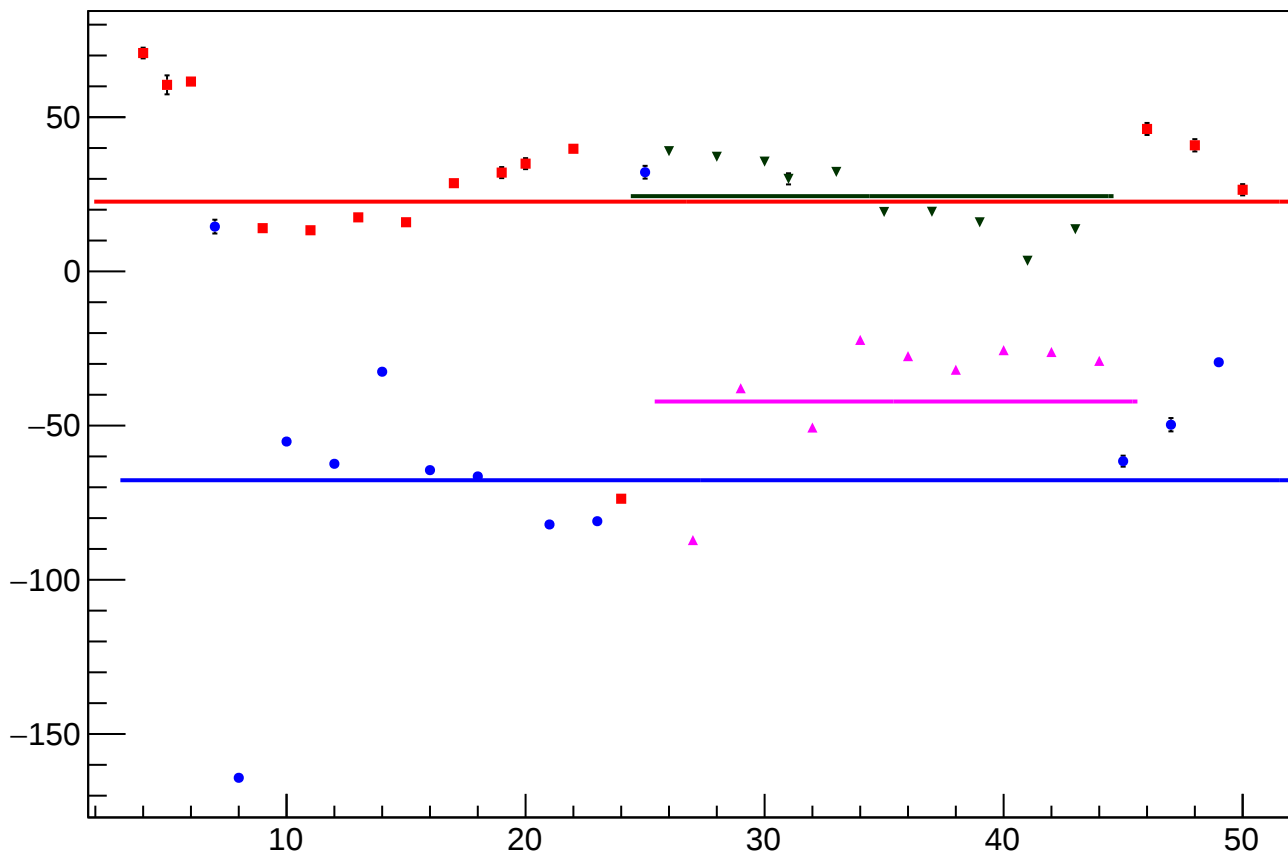
Right Out: 1352.748 $\pm$ 0.340 χ^2 /NDF: 9115.6/14

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

1311.518 $\pm$ 0.250 χ^2 /NDF: 83840.5/22

1302.139 $\pm$ 0.251 χ^2 /NDF: 103373.2/23

diff_bpm2i02X_mean vs slug



Right In: -67.719 $\pm$ 0.376 χ^2 /NDF: 16001.7/12

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

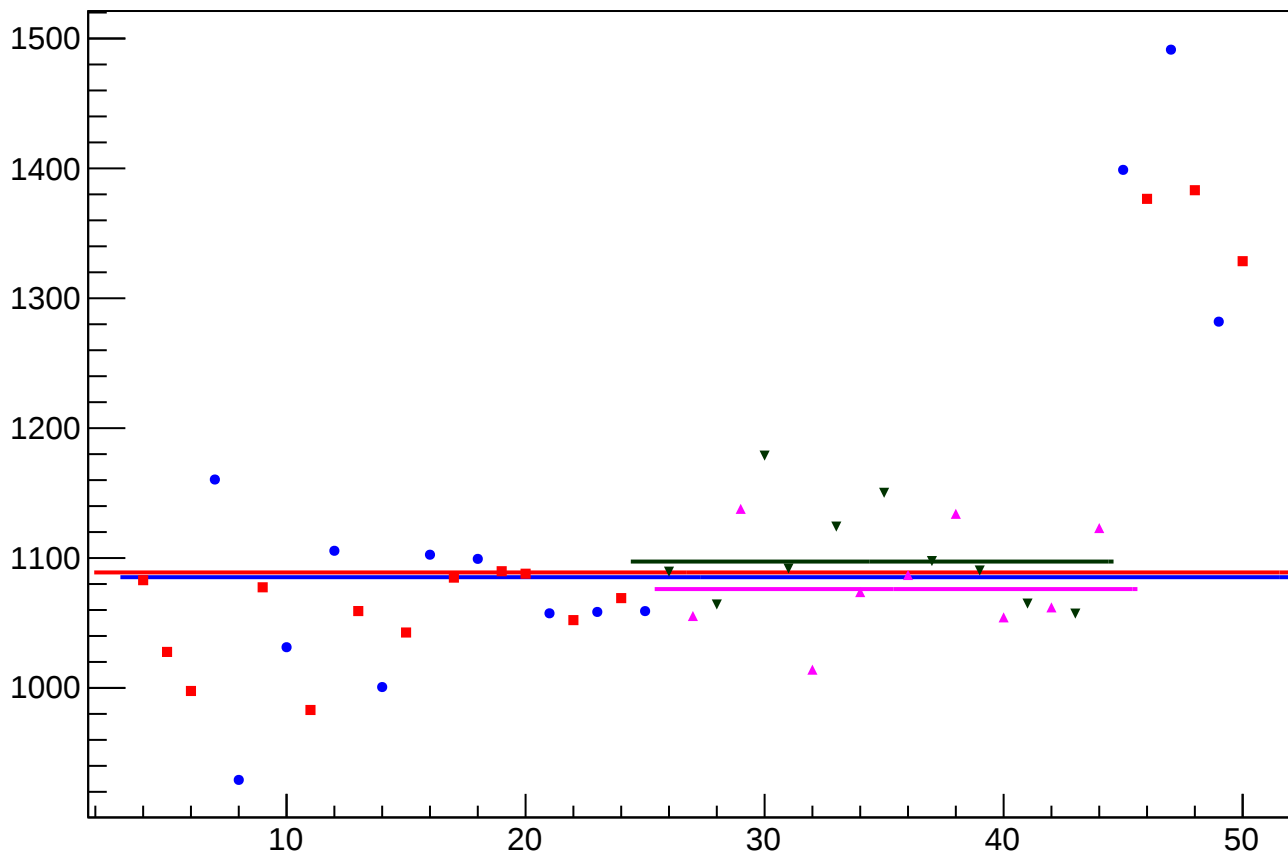
Right Out: 22.615 $\pm$ 0.389 χ^2 /NDF: 7335.7/14

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

-32.072 $\pm$ 0.295 χ^2 /NDF: 39804.0/22

-4.791 $\pm$ 0.295 χ^2 /NDF: 21342.2/23

diff_bpm2i02X_rms vs slug



Right In: 1085.251+/-0.266 χ^2/NDF : 249279.9/12

Left Out: 1097.296+/-0.335 χ^2/NDF : 11915.4/9

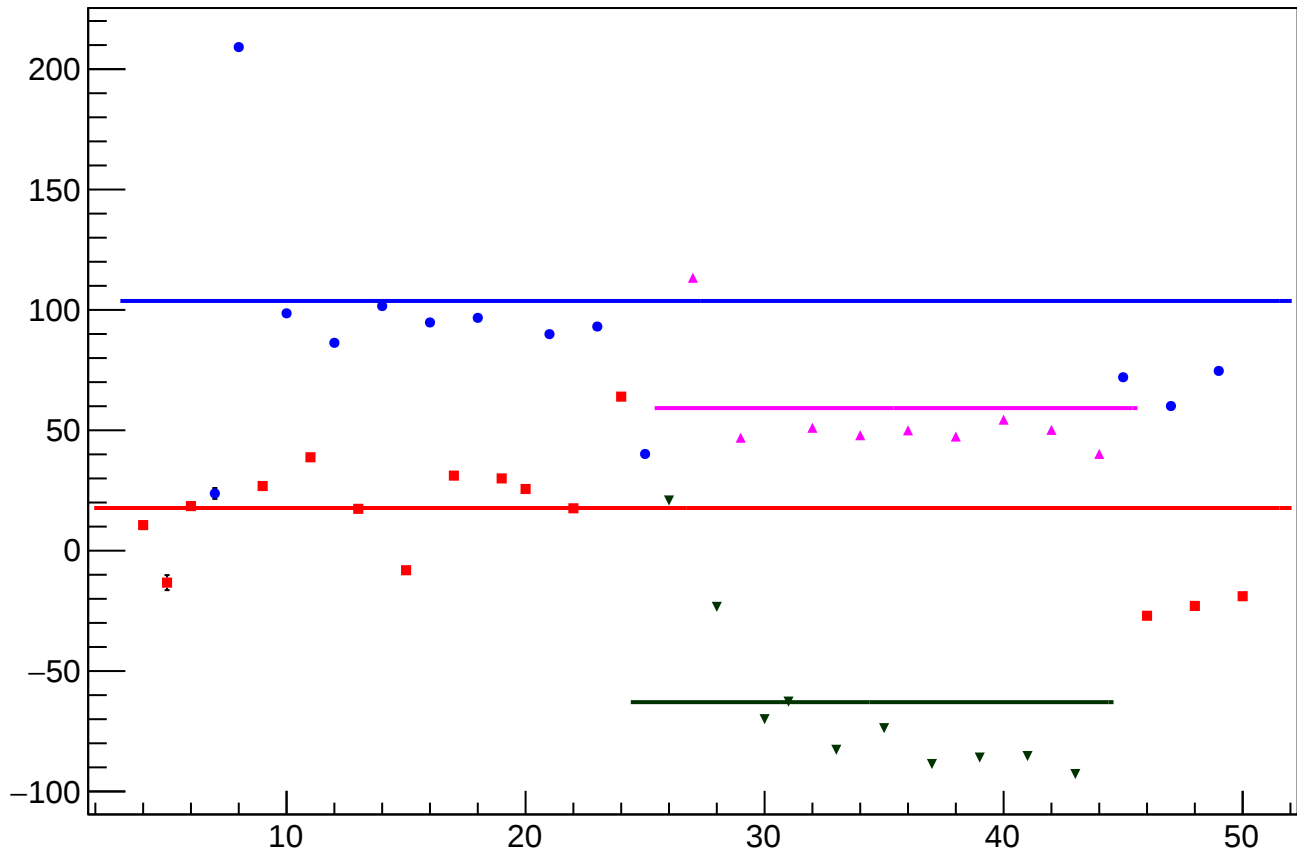
Right Out: 1088.920+/-0.275 χ^2/NDF : 153826.5/14

Left In: 1076.108+/-0.321 χ^2/NDF : 17511.2/8

1089.913+/-0.208 χ^2/NDF : 261988.5/22

1083.502+/-0.209 χ^2/NDF : 172257.3/23

diff_bpm2i02Y_mean vs slug



Right In: 103.717 $\pm$ 0.379 χ^2 /NDF: 14815.8/12

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

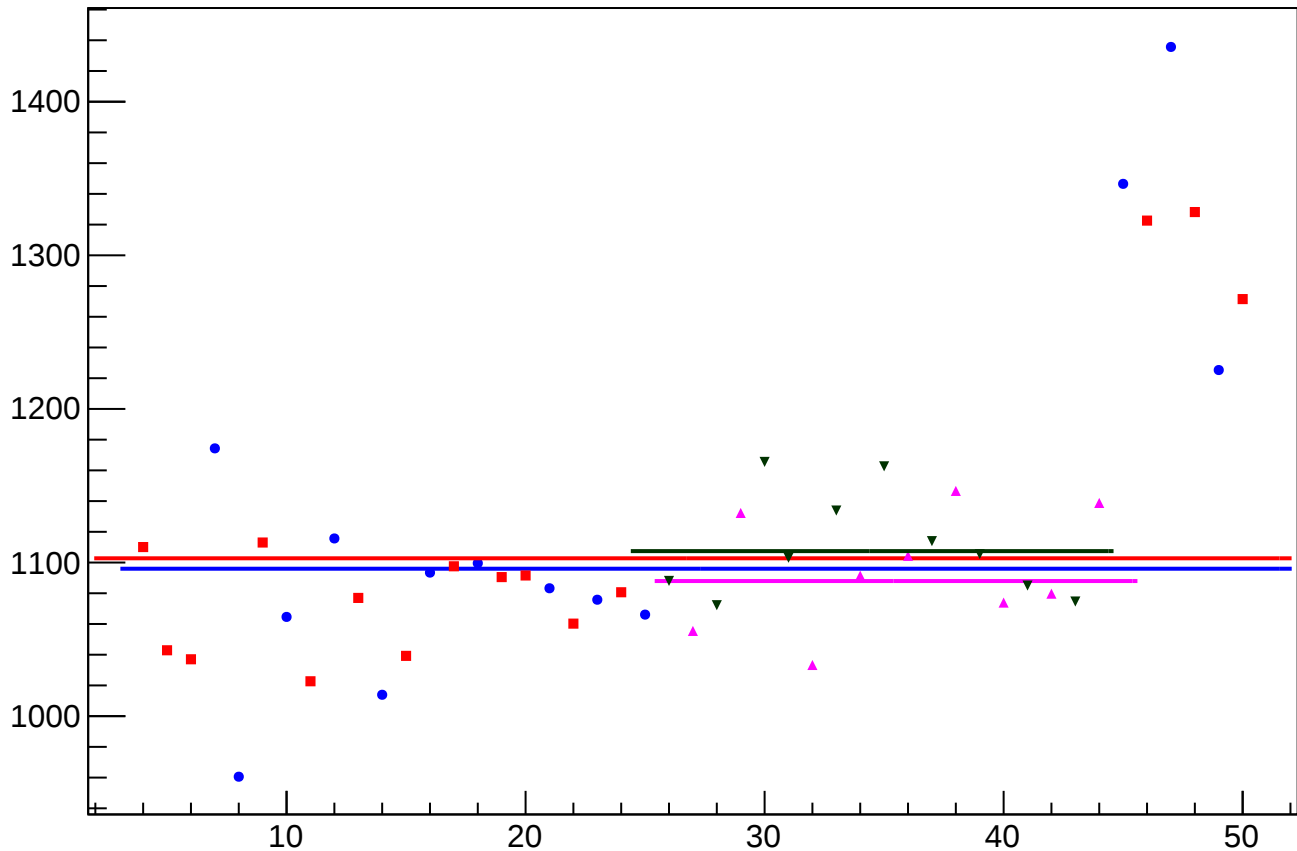
Right Out: 17.725 $\pm$ 0.393 χ^2 /NDF: 3540.2/14

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

39.321 $\pm$ 0.297 χ^2 /NDF: 94776.2/22

35.282 $\pm$ 0.298 χ^2 /NDF: 10999.3/23

diff_bpm2i02Y_rms vs slug



Right In: 1095.978+/-0.268 χ^2/NDF : 170110.3/12

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

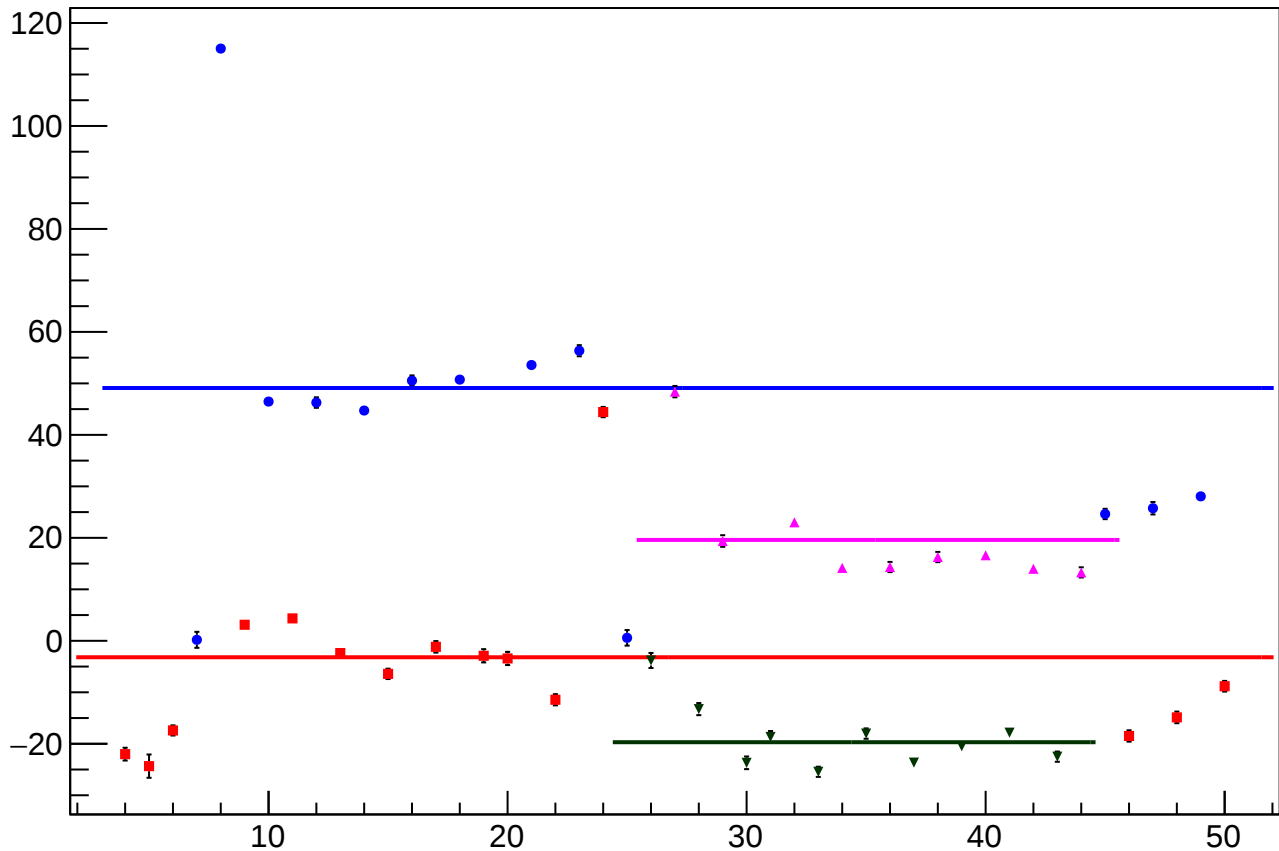
Right Out: 1102.760+/-0.278 χ^2/NDF : 95765.5/14

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

1100.407+/-0.210 χ^2/NDF : 179719.3/22

1096.492+/-0.211 χ^2/NDF : 111374.1/23

diff_bpm1i04X_mean vs slug



Right In: 49.105 $\pm$ 0.265 χ^2 /NDF: 11379.7/12

Left Out: -3.195 $\pm$ 0.274 χ^2 /NDF: 3303.0/14

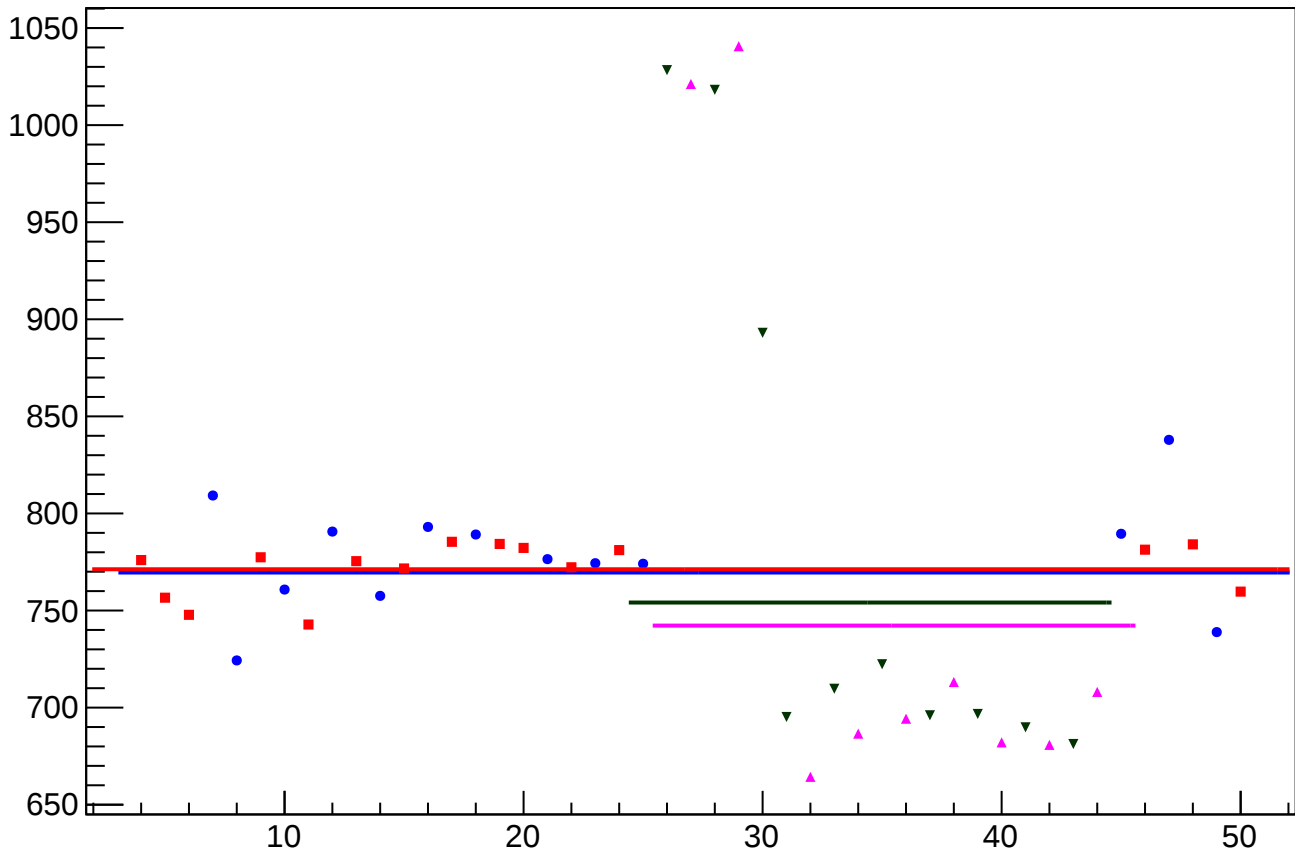
Right Out: -19.696 $\pm$ 0.329 χ^2 /NDF: 226.0/9

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

22.083 $\pm$ 0.206 χ^2 /NDF: 38125.2/22

6.540 $\pm$ 0.207 χ^2 /NDF: 7126.4/23

diff_bpm1i04X_rms vs slug



Right In: 769.585 ± 0.187 χ^2/NDF : 22334.2/12

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

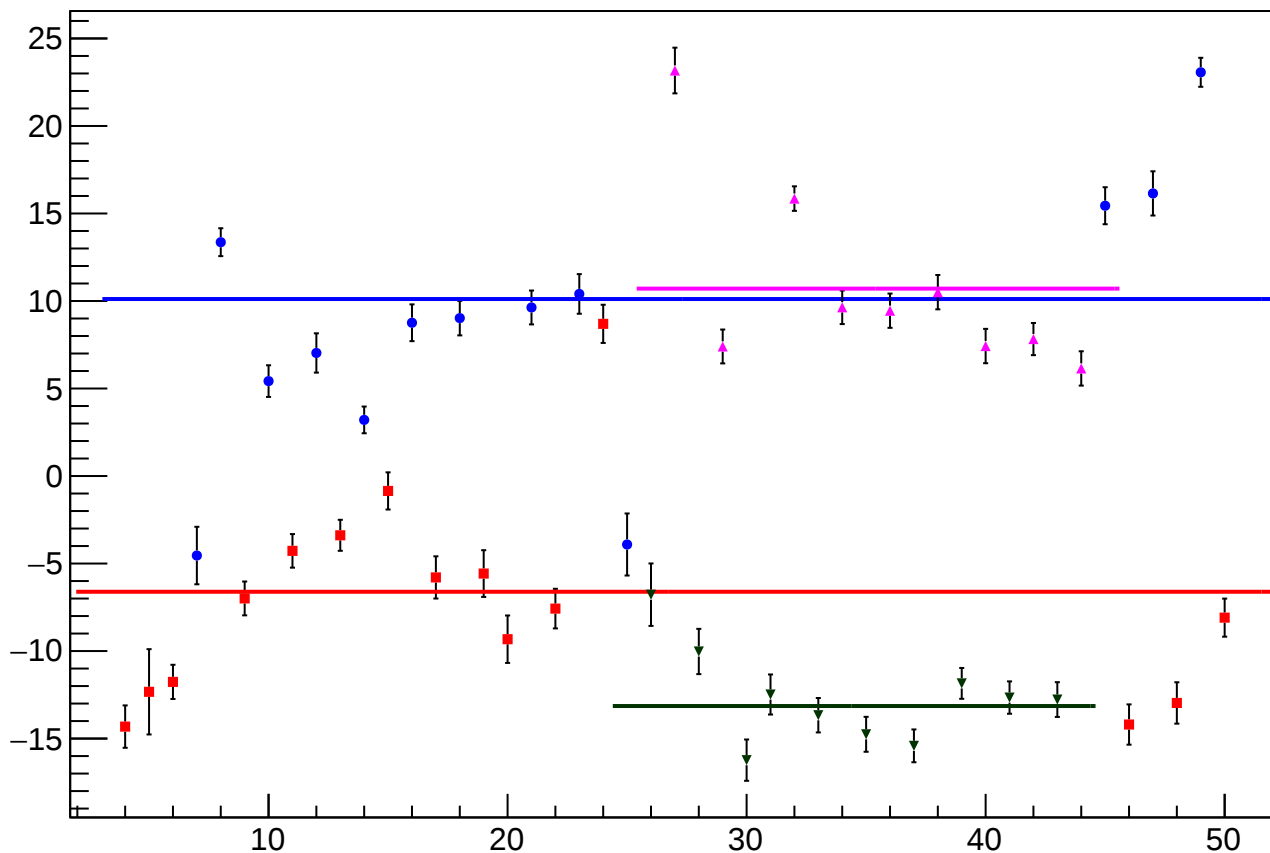
Right Out: 771.255 ± 0.194 χ^2/NDF : 4941.3/14

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

763.511 ± 0.146 χ^2/NDF : 269510.5/22

758.861 ± 0.147 χ^2/NDF : 338570.4/23

diff_bpm1i04Y_mean vs slug



Right In: 10.113+/-0.280 χ^2/NDF : 571.1/12

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

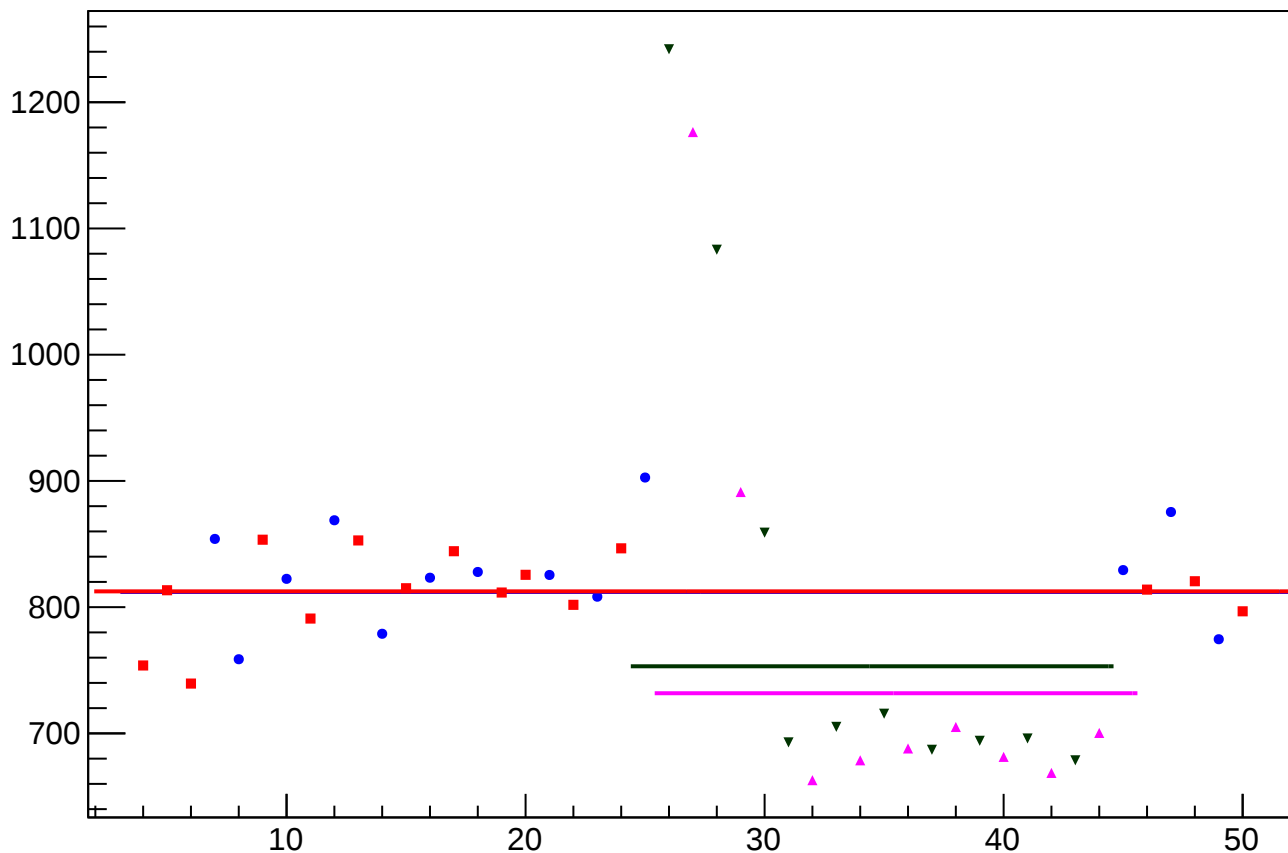
Right Out: -6.612+/-0.289 χ^2/NDF : 399.4/14

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

0.468+/-0.214 χ^2/NDF : 3468.9/22

1.334+/-0.213 χ^2/NDF : 2245.6/23

diff_bpm1i04Y_rms vs slug



Right In: 812.038 $\pm$ 0.198 χ^2 /NDF: 35454.1/12

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

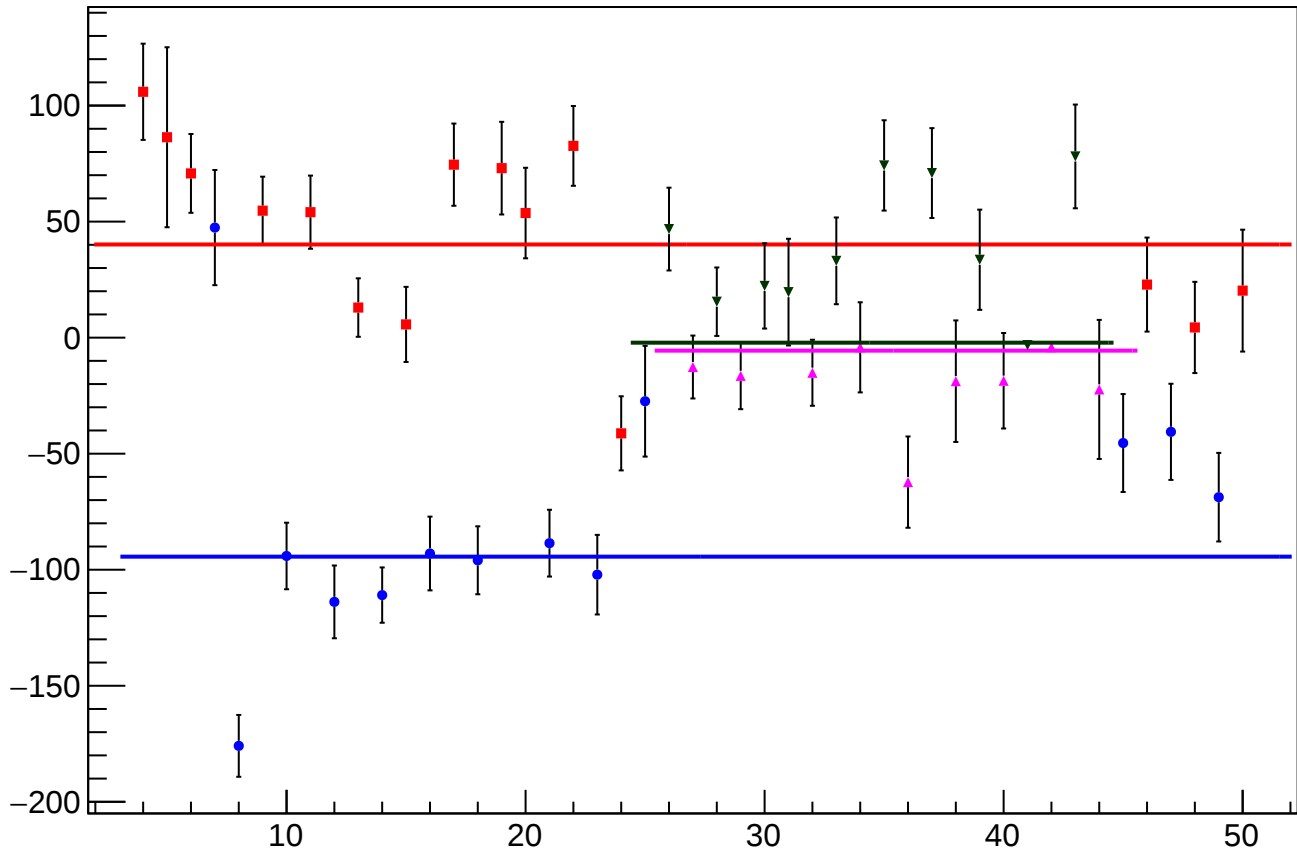
Right Out: 812.509 $\pm$ 0.205 χ^2 /NDF: 28856.3/14

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

787.618 $\pm$ 0.151 χ^2 /NDF: 419587.9/22

775.488 $\pm$ 0.151 χ^2 /NDF: 434191.9/23

diff_bpm0l02X_mean vs slug



Right In: -94.368 $\pm$ 4.510 χ^2 /NDF: 95.7/12

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

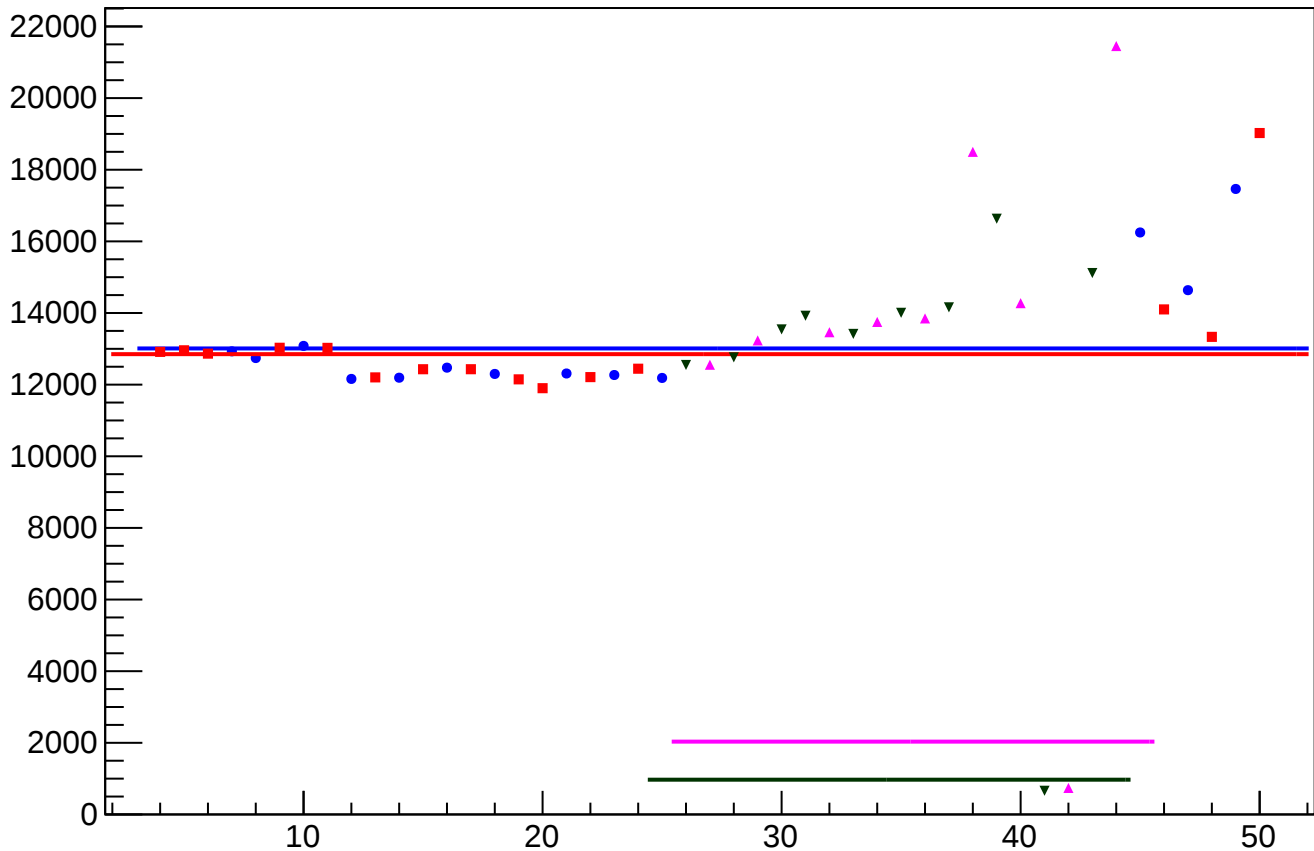
Right Out: 40.145 $\pm$ 4.595 χ^2 /NDF: 69.3/14

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

-6.256 $\pm$ 0.950 χ^2 /NDF: 556.8/22

1.431 $\pm$ 1.801 χ^2 /NDF: 164.3/23

diff_bpm0l02X_rms vs slug



Right In: 13010.341+/-3.189 χ^2/NDF : 202326.4/12

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

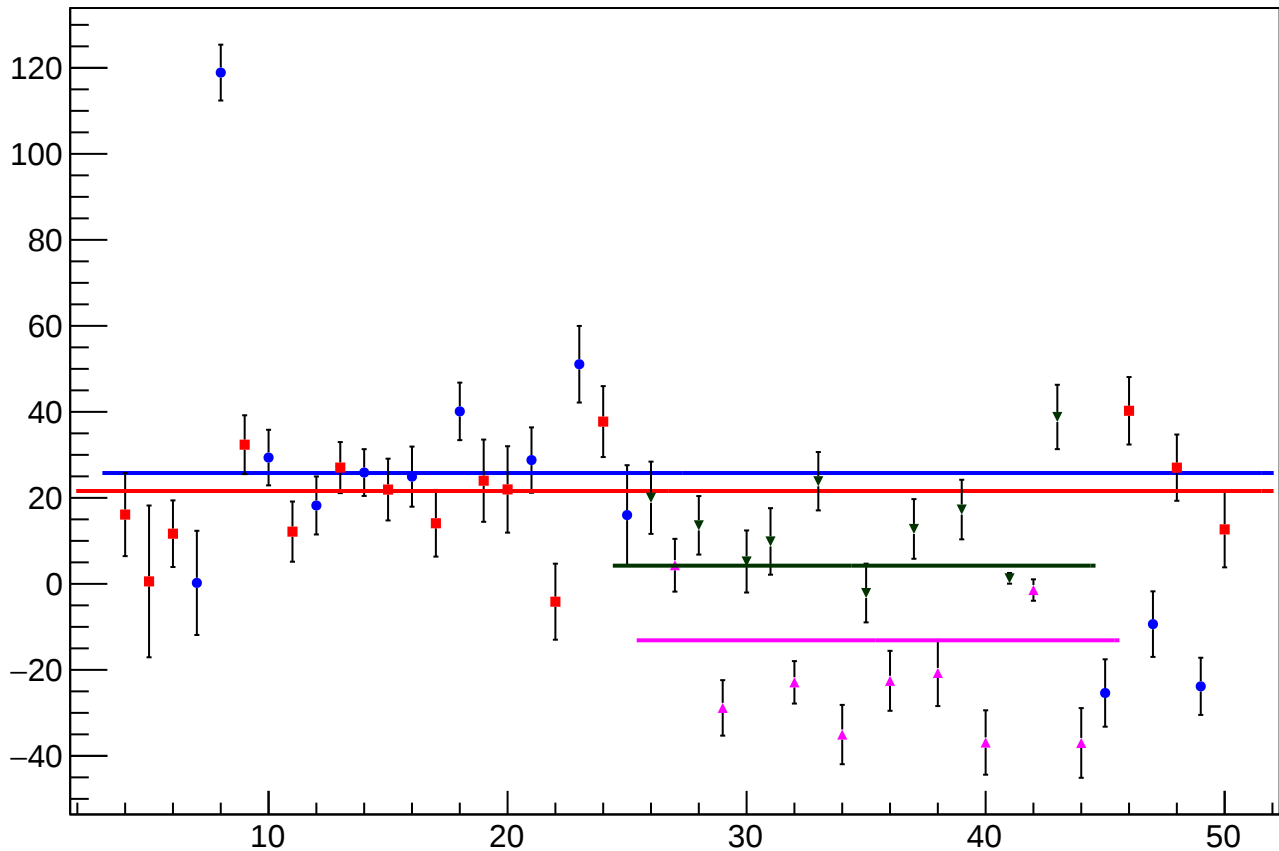
1504.791+/-0.672 χ^2/NDF : 22279811.1/22

Right Out: 12851.051+/-3.249 χ^2/NDF : 139015.1/14

3695.641+/-1.274 χ^2/NDF : 17810388.7/23

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

diff_bpm0l02Y_mean vs slug



Right In: 25.778 ± 2.014 $\chi^2/\text{NDF}: 344.7/12$

Left Out: 4.234 ± 1.105 $\chi^2/\text{NDF}: 47.2/9$

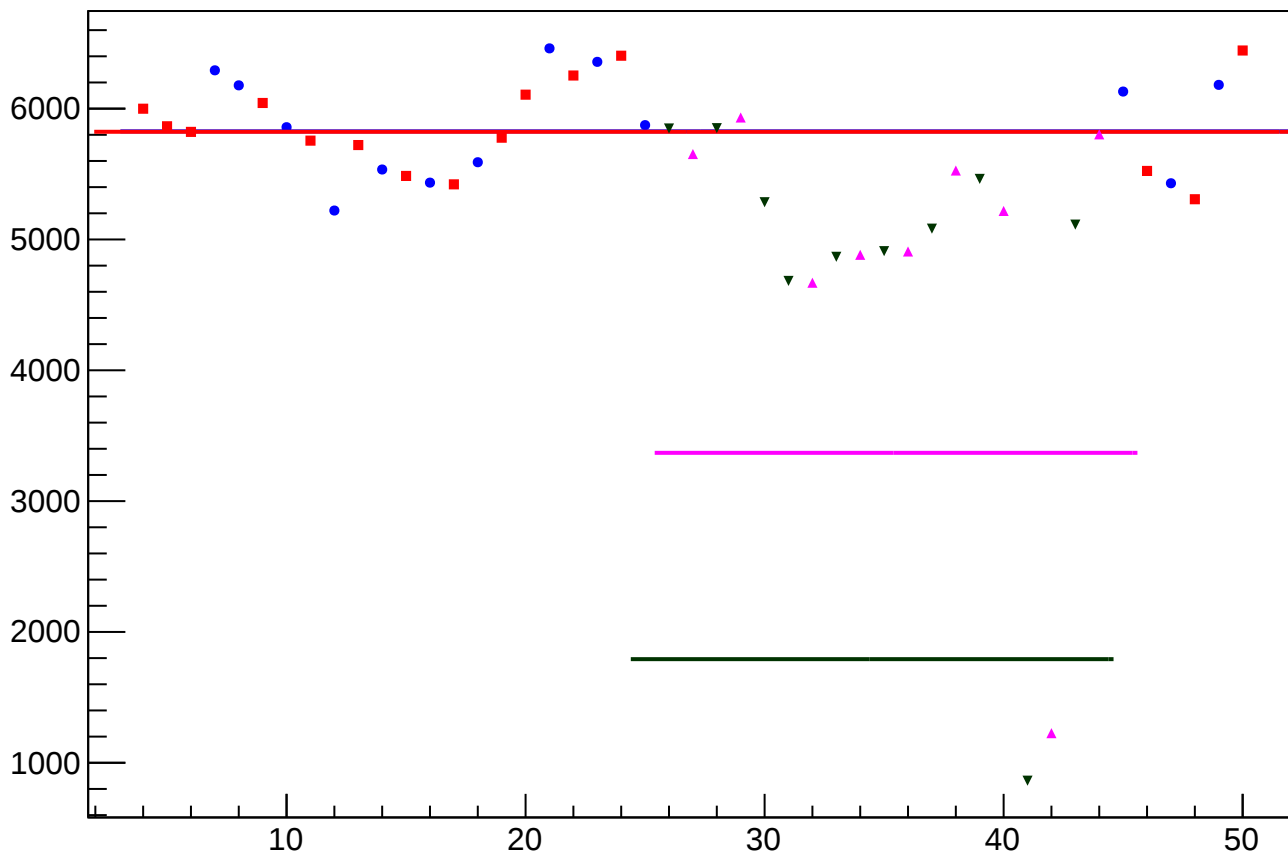
Right Out: 21.596 ± 2.080 $\chi^2/\text{NDF}: 29.0/14$

Left In: -13.126 ± 1.704 $\chi^2/\text{NDF}: 71.6/8$

9.221 ± 0.969 $\chi^2/\text{NDF}: 479.9/22$

0.815 ± 1.318 $\chi^2/\text{NDF}: 267.4/23$

diff_bpm0l02Y_rms vs slug



Right In: 5826.417 $\pm$ 1.424 χ^2 /NDF: 74747.6/12

Left Out: 1792.038 $\pm$ 0.782 χ^2 /NDF:5271430.0/9

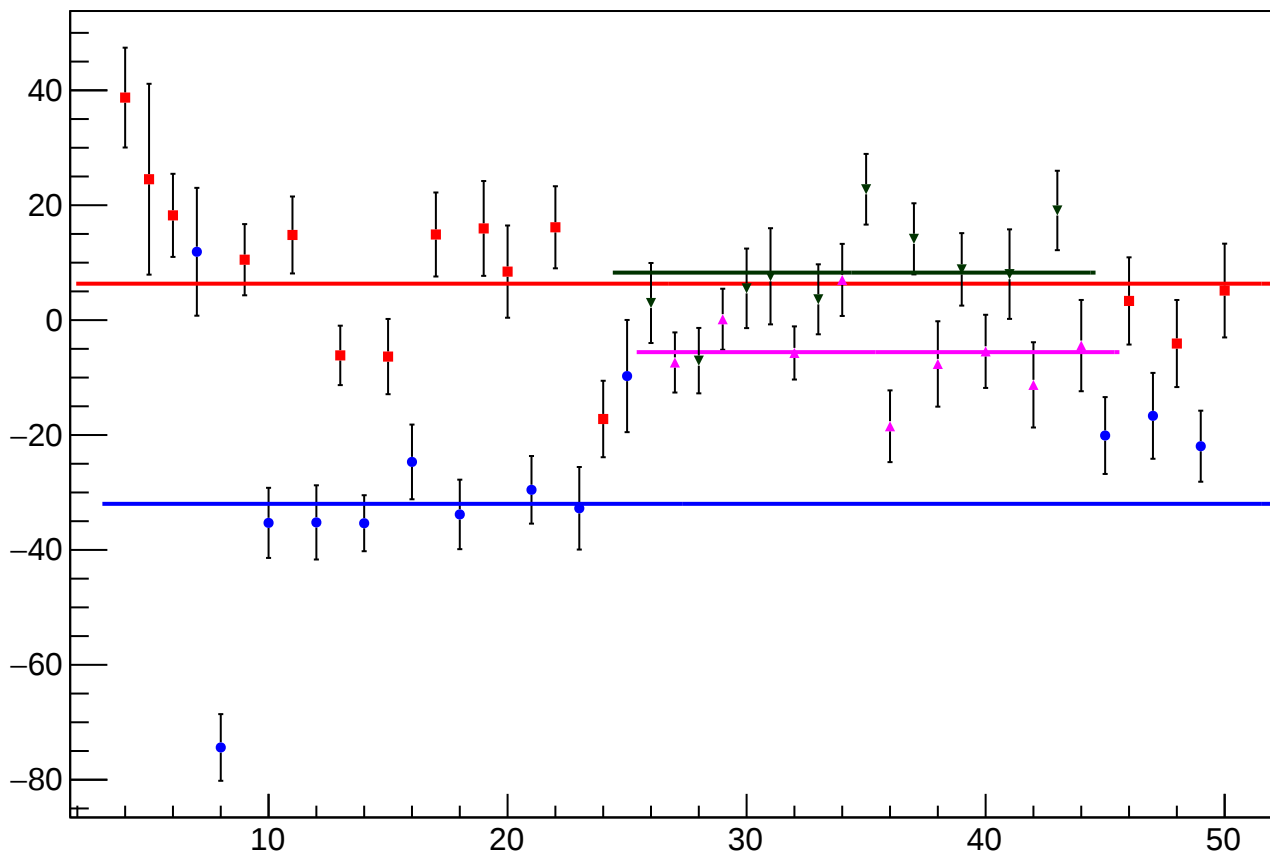
Right Out: 5823.169 $\pm$ 1.471 χ^2 /NDF: 51392.3/14

Left In: 3369.133 $\pm$ 1.205 χ^2 /NDF:2866176.4/8

2725.917 $\pm$ 0.685 χ^2 /NDF: 11514023.0/22

4354.410 $\pm$ 0.932 χ^2 /NDF: 4583305.3/23

diff_bpm0l03X_mean vs slug



Right In: -31.978 ± 1.805 χ^2/NDF : 86.7/12

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

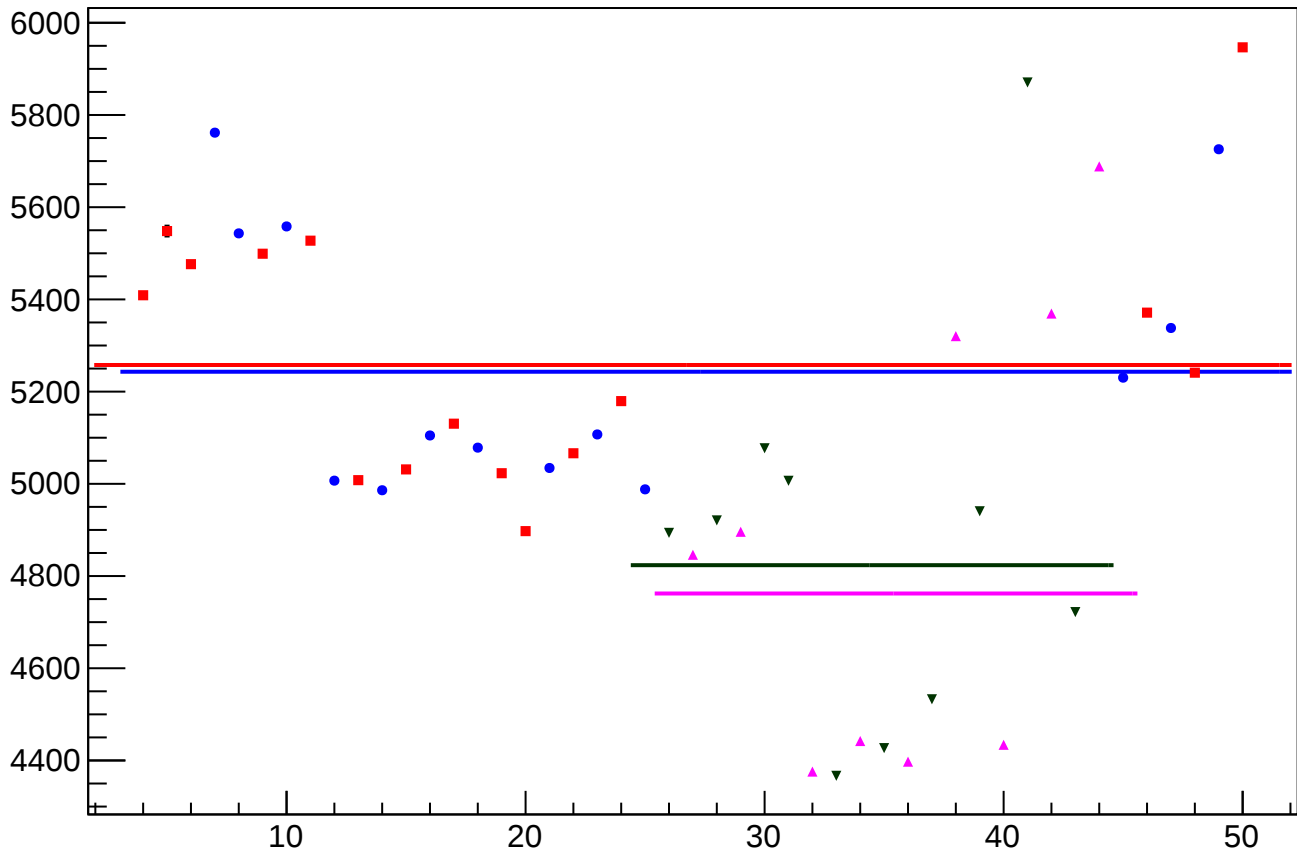
Right Out: 6.344 ± 1.870 χ^2/NDF : 48.7/14

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

-14.795 ± 1.367 χ^2/NDF : 316.4/22

0.825 ± 1.370 χ^2/NDF : 77.8/23

diff_bpm0l03X_rms vs slug



Right In: 5243.135+/-1.276 χ^2/NDF : 42766.2/12

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

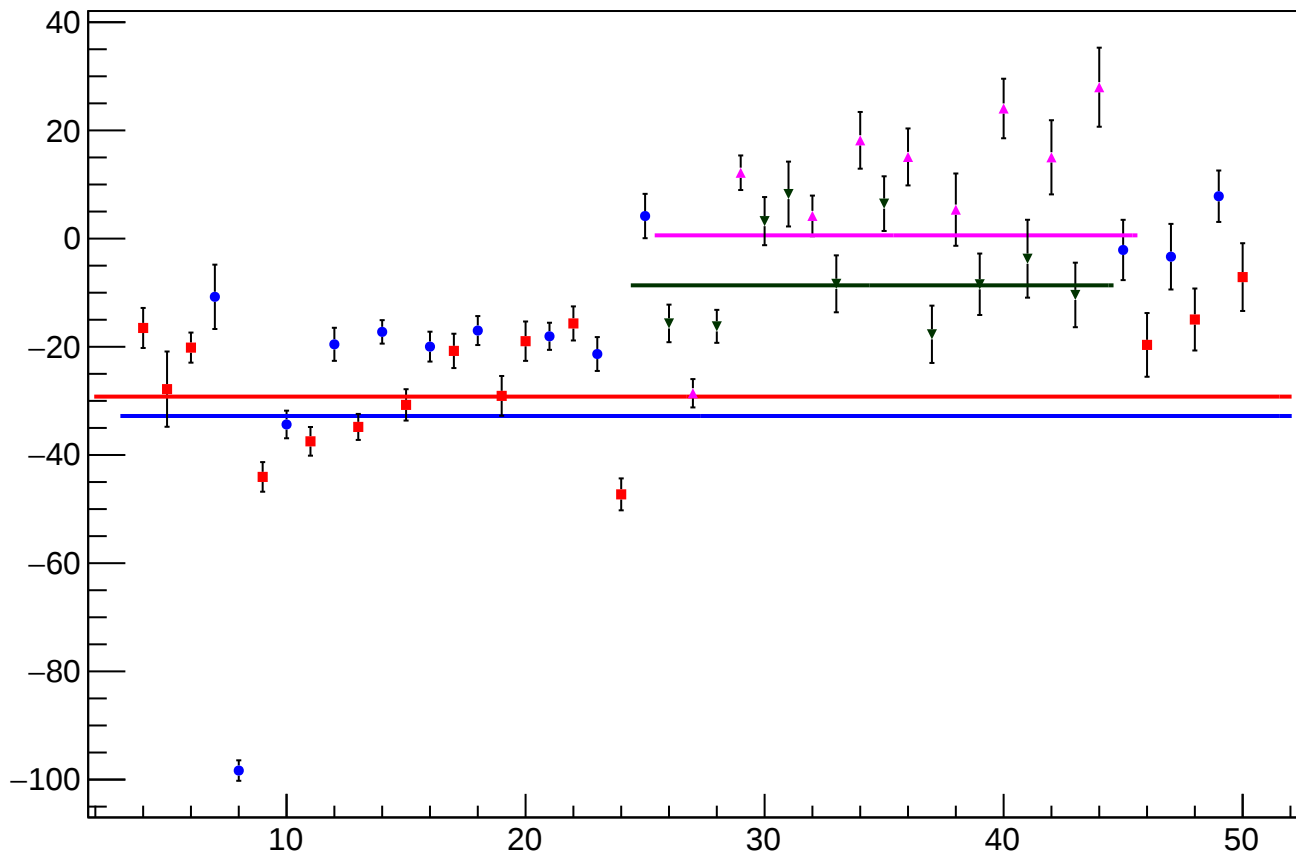
Right Out: 5257.756+/-1.322 χ^2/NDF : 39055.0/14

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

5064.007+/-0.966 χ^2/NDF : 154526.7/22

5028.254+/-0.969 χ^2/NDF : 189041.8/23

diff_bpm0l03Y_mean vs slug



Right In: -32.791 ± 0.823 $\chi^2/\text{NDF}: 1595.6/12$

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

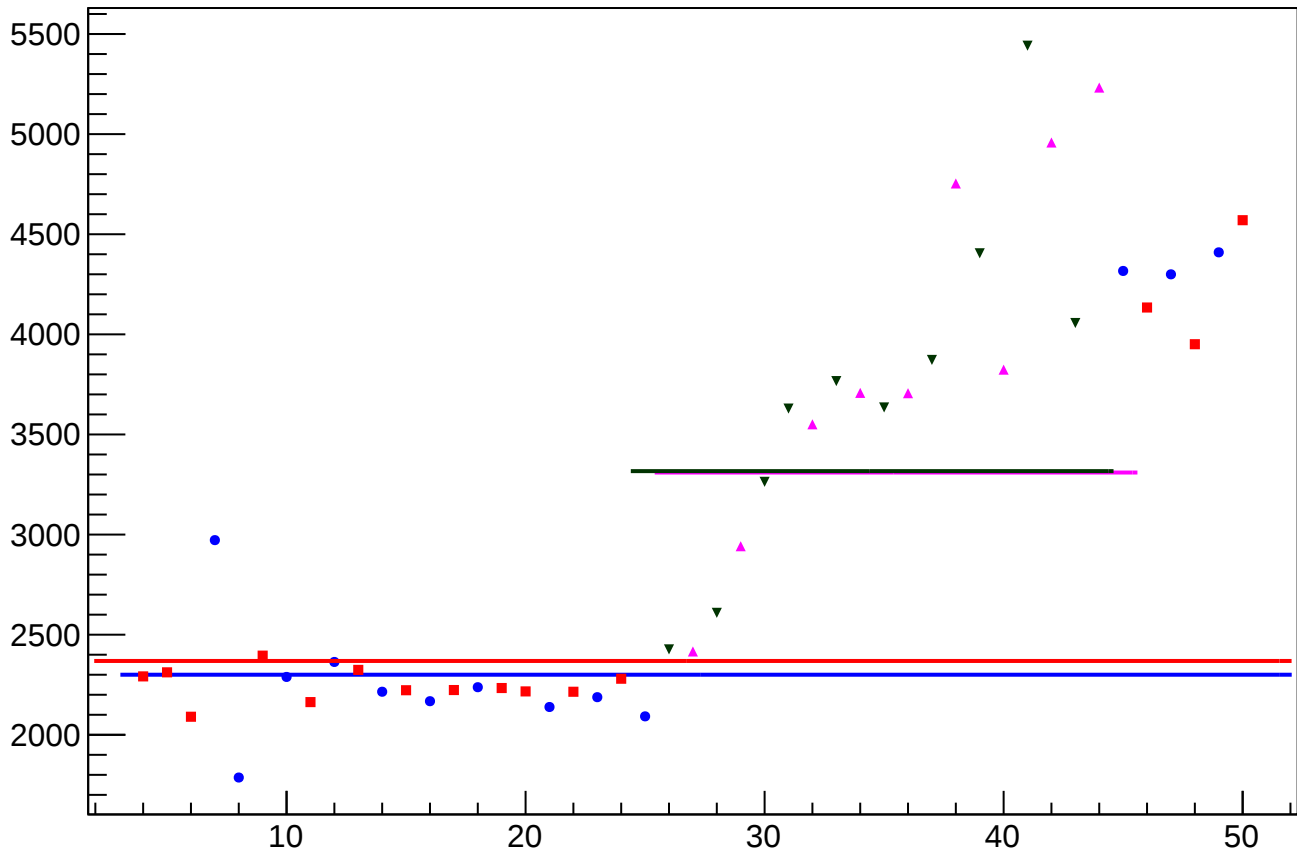
Right Out: -29.208 ± 0.864 $\chi^2/\text{NDF}: 159.5/14$

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

-27.067 ± 0.719 $\chi^2/\text{NDF}: 1837.4/22$

-21.317 ± 0.741 $\chi^2/\text{NDF}: 668.7/23$

diff_bpm0l03Y_rms vs slug



Right In: 2300.055+/-0.582 χ^2/NDF : 1071713.4/12

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

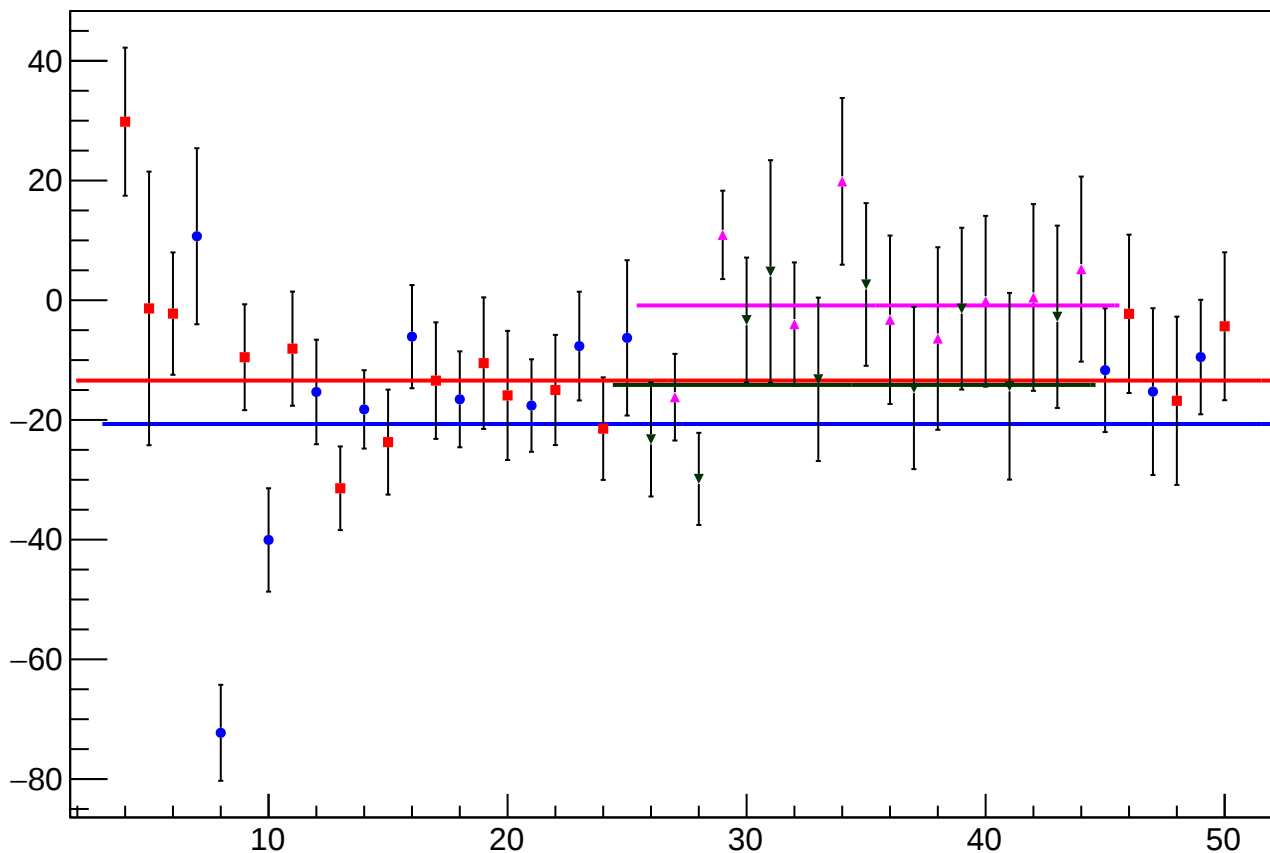
Right Out: 2368.777+/-0.611 χ^2/NDF : 635319.2/14

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

2541.058+/-0.509 χ^2/NDF : 2362876.8/22

2617.911+/-0.524 χ^2/NDF : 1918842.1/23

diff_bpm0l04X_mean vs slug



Right In: -20.679 ± 2.505 χ^2/NDF : 60.3/12

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

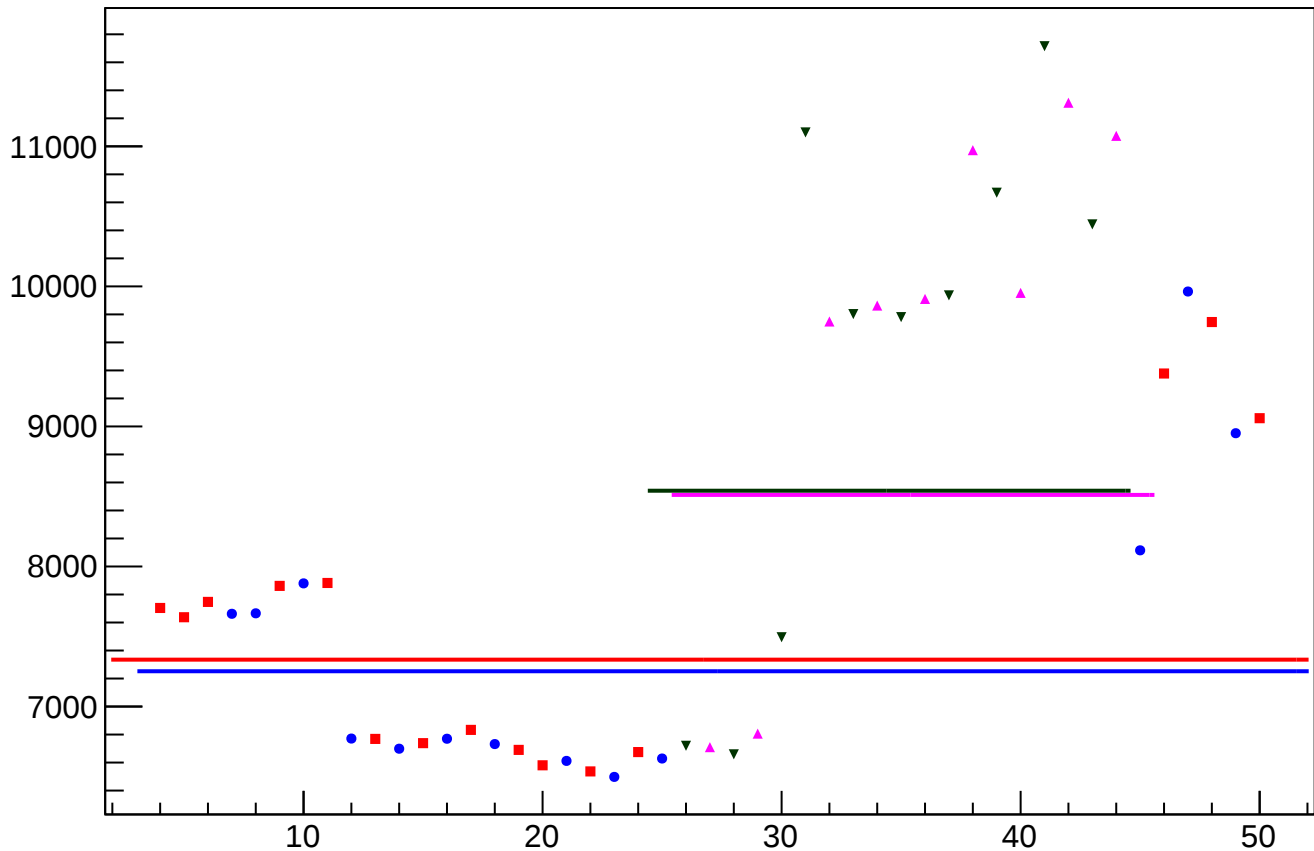
Right Out: -13.420 ± 2.622 χ^2/NDF : 24.6/14

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

-18.686 ± 2.088 χ^2/NDF : 72.6/22

-9.167 ± 2.132 χ^2/NDF : 42.0/23

diff_bpm0l04X_rms vs slug



Right In: 7251.961+/-1.772 χ^2/NDF : 237375.7/12

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

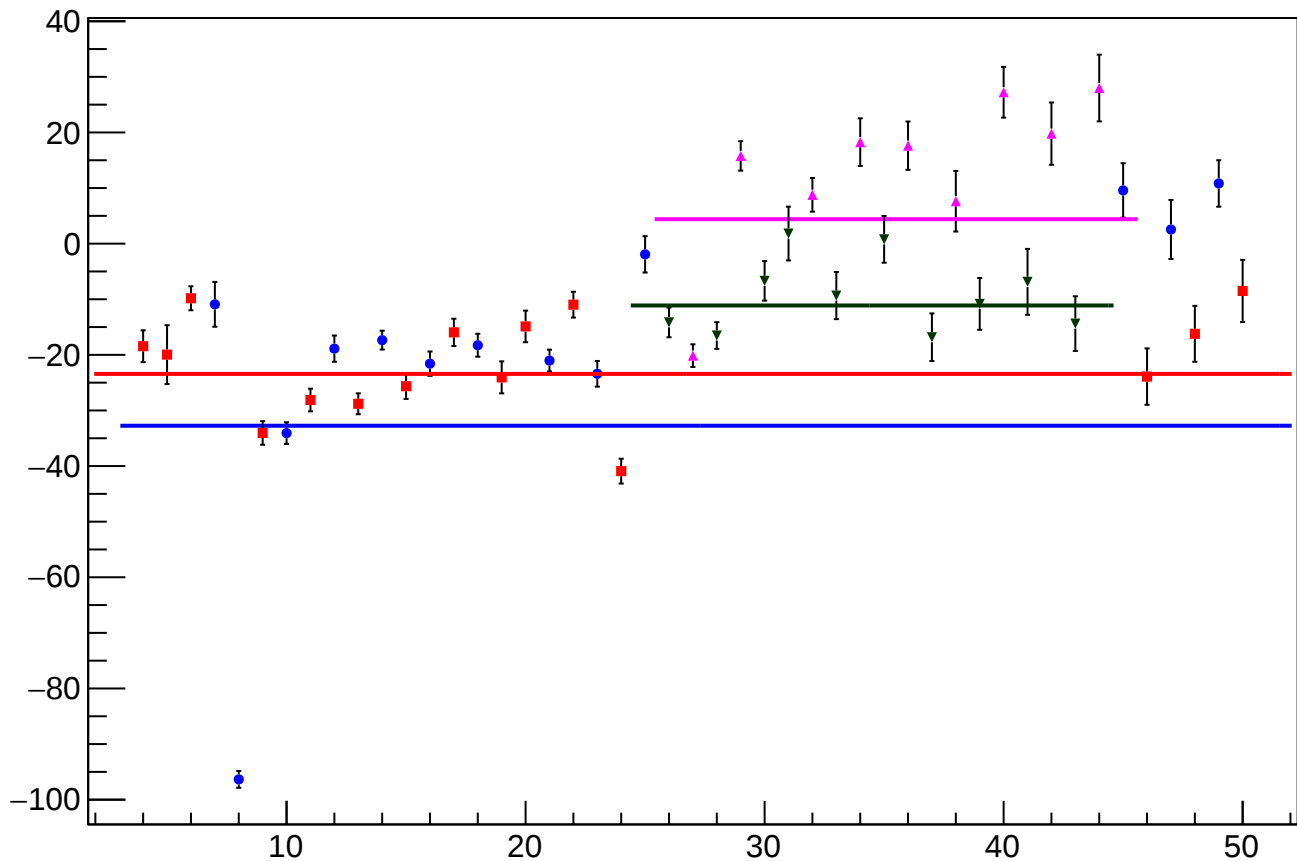
Right Out: 7334.802+/-1.854 χ^2/NDF : 235759.3/14

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

7645.548+/-1.477 χ^2/NDF : 867724.2/22

7733.436+/-1.508 χ^2/NDF : 862027.4/23

diff_bpm0l04Y_mean vs slug



Right In: -32.747 $\pm$ 0.644 χ^2 /NDF: 2358.5/12

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

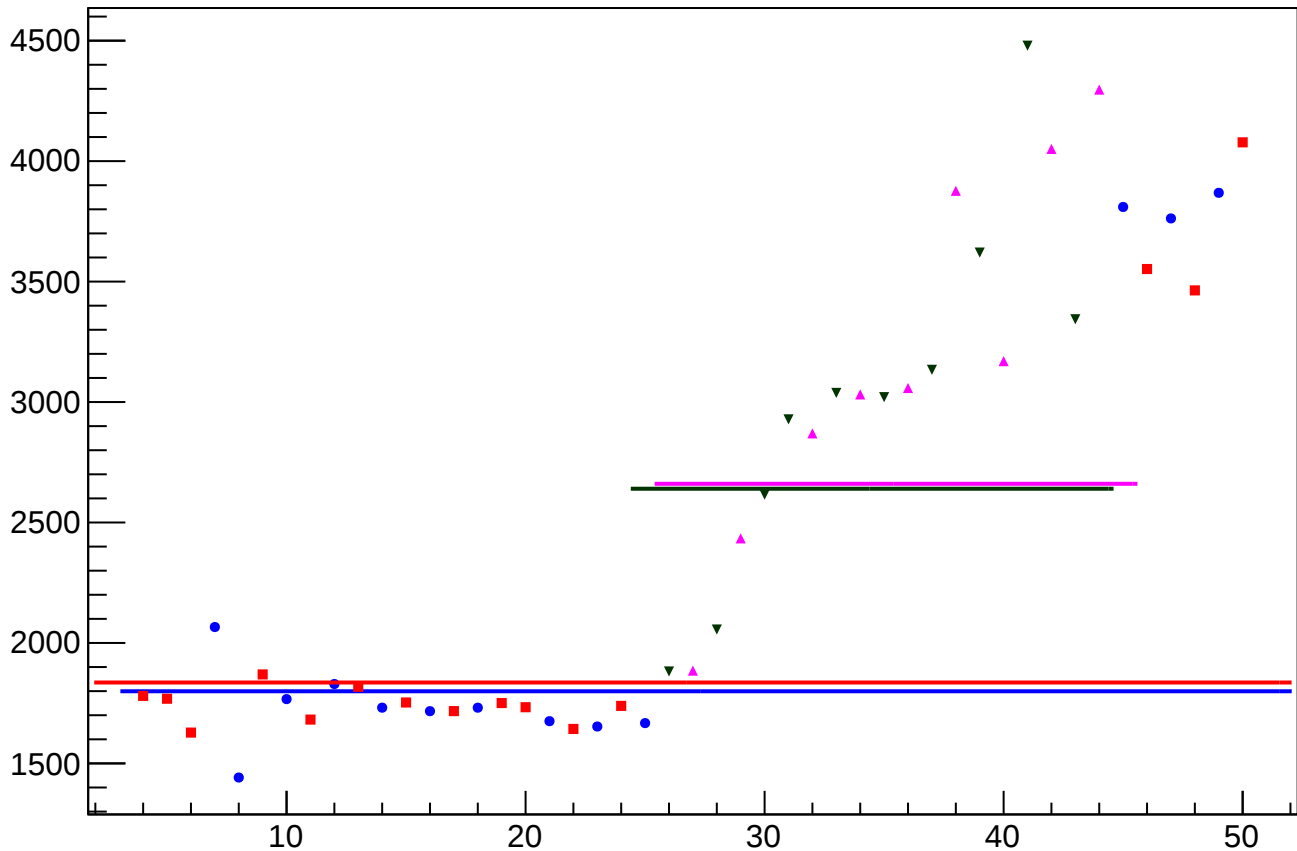
Right Out: -23.426 $\pm$ 0.671 χ^2 /NDF: 200.6/14

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

-27.779 $\pm$ 0.565 χ^2 /NDF: 2643.3/22

-16.460 $\pm$ 0.581 χ^2 /NDF: 864.7/23

diff_bpm0l04Y_rms vs slug



Right In: 1799.466 ± 0.456 χ^2/NDF : 1251225.8/12

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

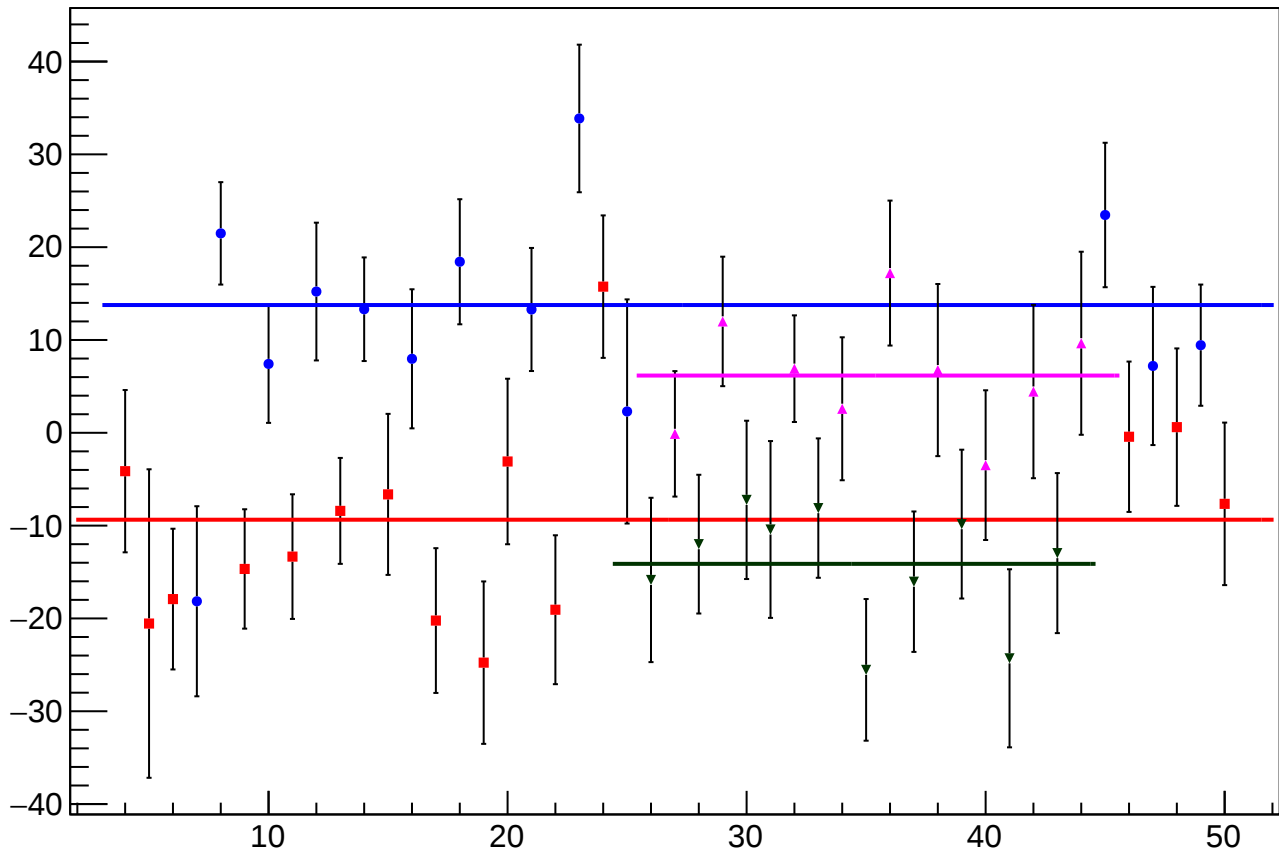
Right Out: 1835.852 ± 0.475 χ^2/NDF : 821189.0/14

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

1992.570 ± 0.400 χ^2/NDF : 2702878.3/22

2042.319 ± 0.411 χ^2/NDF : 2319453.6/23

diff_bpm0l05X_mean vs slug



Right In: 13.766 $\pm$ 1.975 χ^2 /NDF: 23.7/12

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

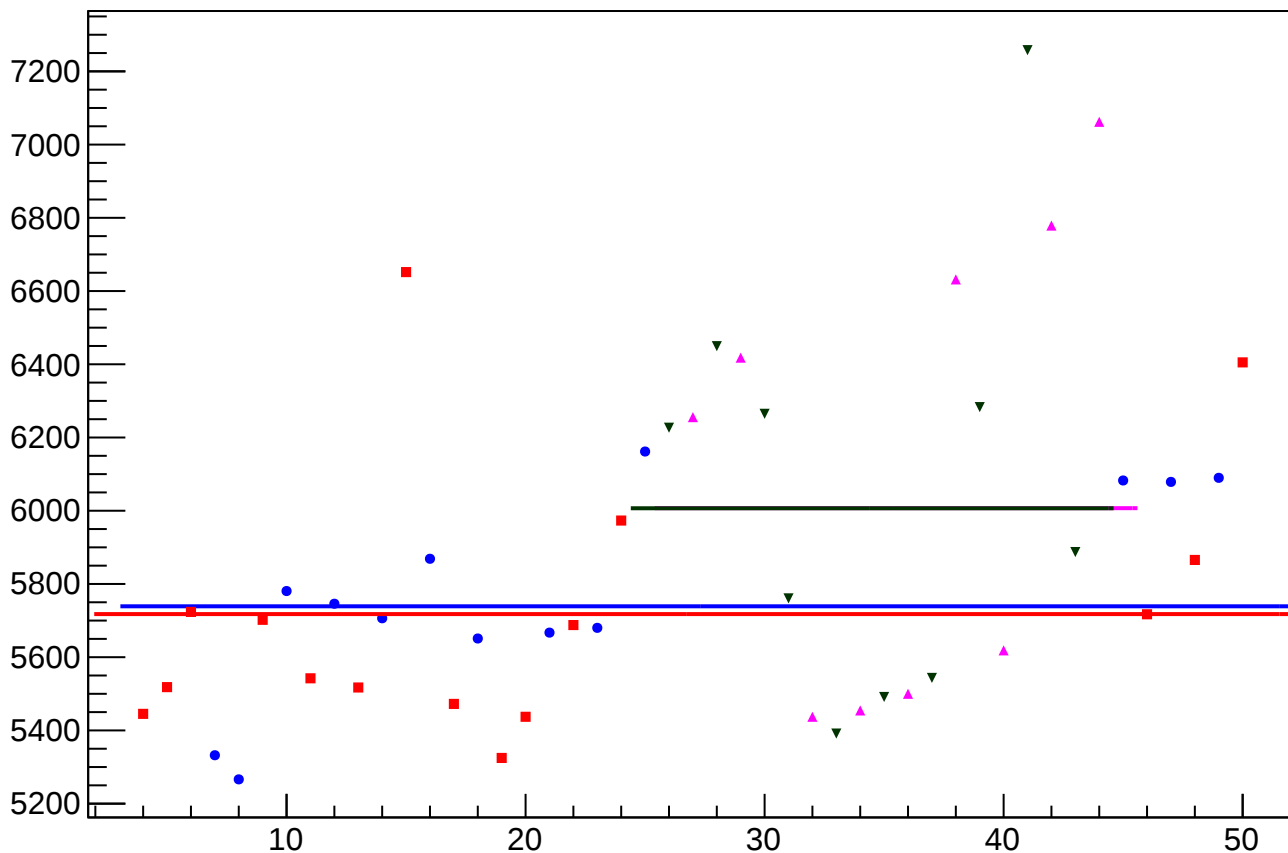
Right Out: -9.364 $\pm$ 2.036 χ^2 /NDF: 23.6/14

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

3.574 $\pm$ 1.573 χ^2 /NDF: 101.8/22

-3.294 $\pm$ 1.589 χ^2 /NDF: 51.7/23

diff_bpm0l05X_rms vs slug



Right In: 5738.998+/-1.396 χ^2/NDF : 34578.0/12

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

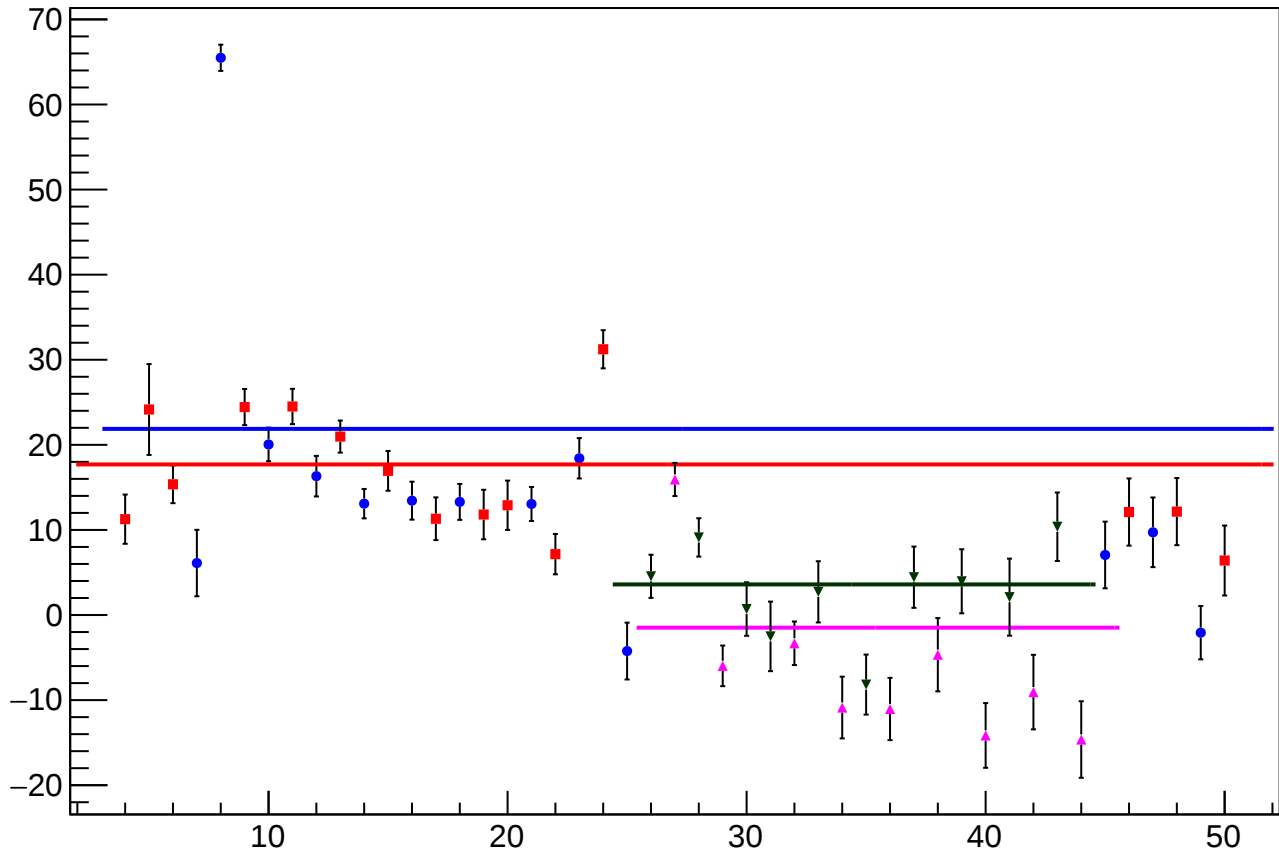
Right Out: 5717.731+/-1.440 χ^2/NDF : 52436.3/14

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

5836.855+/-1.112 χ^2/NDF : 126264.8/22

5830.776+/-1.124 χ^2/NDF : 166523.5/23

diff_bpm0l05Y_mean vs slug



Right In: 21.877 $\pm$ 0.642 χ^2 /NDF: 1044.2/12

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

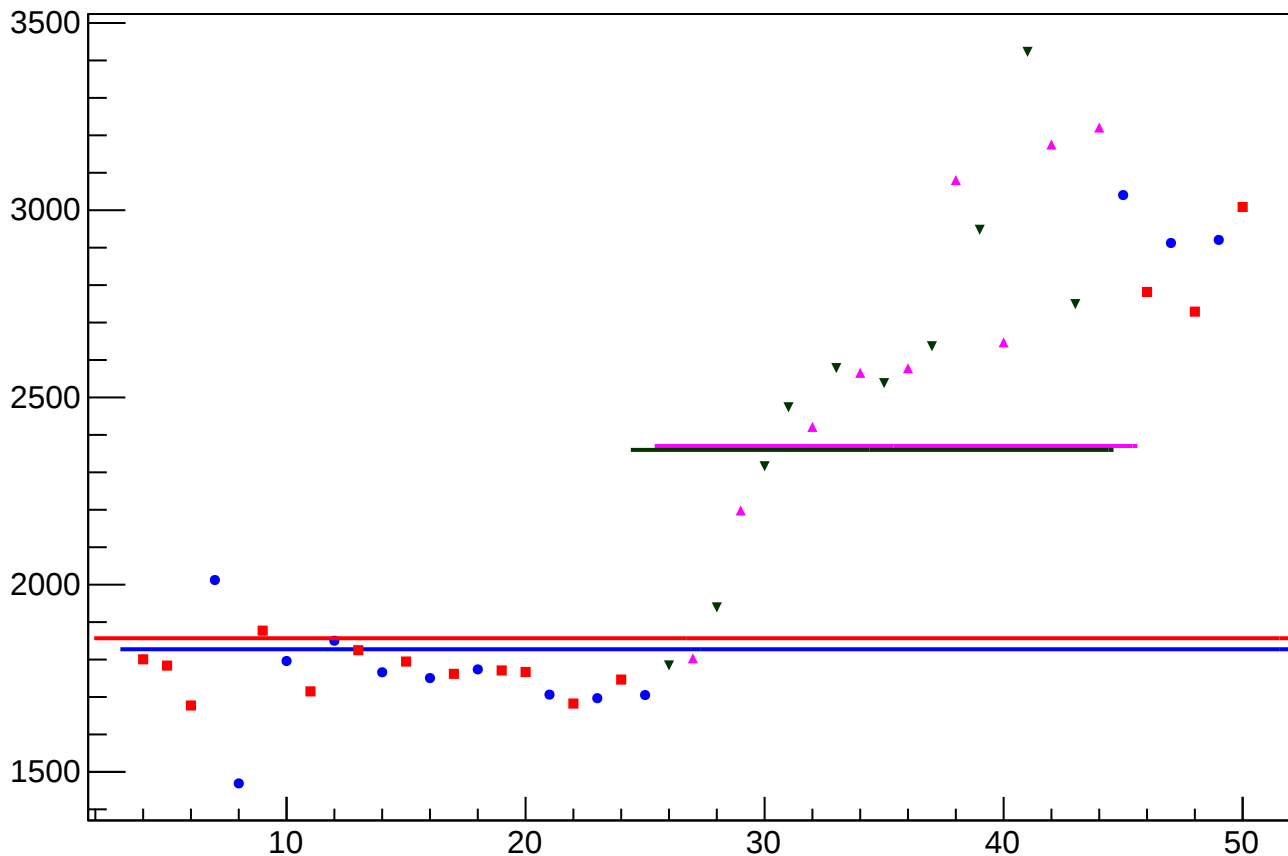
Right Out: 17.697 $\pm$ 0.669 χ^2 /NDF: 112.5/14

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

16.810 $\pm$ 0.546 χ^2 /NDF: 1292.1/22

11.906 $\pm$ 0.559 χ^2 /NDF: 481.6/23

diff_bpm0l05Y_rms vs slug



Right In: 1827.540 $\pm$ 0.454 χ^2 /NDF: 711798.9/12

Left Out: 2359.972 $\pm$ 0.733 χ^2 /NDF: 376681.6/9

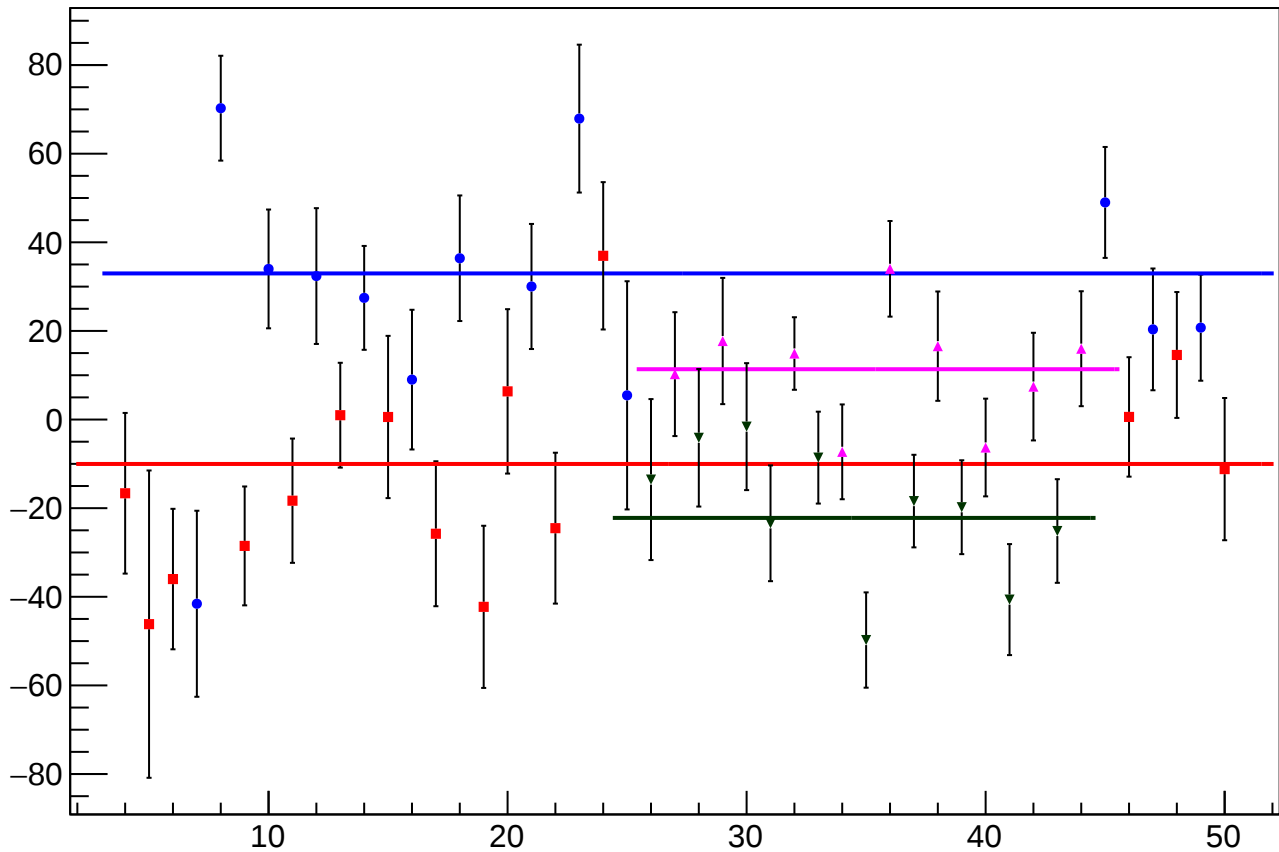
Right Out: 1856.926 $\pm$ 0.473 χ^2 /NDF: 412500.0/14

Left In: 2370.321 $\pm$ 0.719 χ^2 /NDF: 396932.3/8

1975.119 $\pm$ 0.386 χ^2 /NDF: 1469368.8/22

2011.917 $\pm$ 0.395 χ^2 /NDF: 1165335.9/23

diff_bpm0l06X_mean vs slug



Right In: 32.977 $\pm$ 3.944 χ^2 /NDF: 34.2/12

Left Out: -22.199 $\pm$ 3.845 χ^2 /NDF:14.4/9

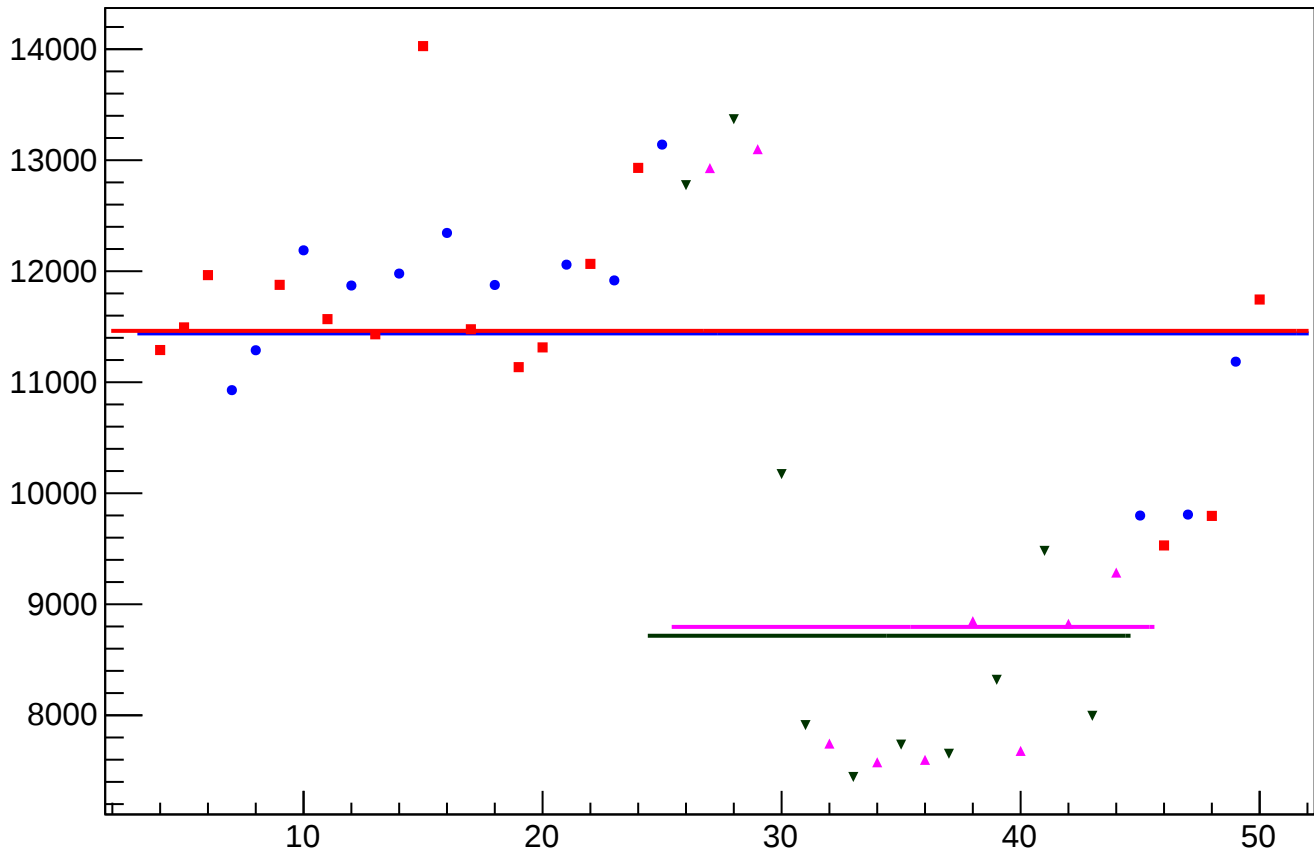
Right Out: -10.024 $\pm$ 4.094 χ^2 /NDF: 24.5/14

Left In: 11.359 $\pm$ 3.785 χ^2 /NDF:10.8/8

4.691 $\pm$ 2.753 χ^2 /NDF: 148.9/22

1.505 $\pm$ 2.779 χ^2 /NDF: 50.0/23

diff_bpm0l06X_rms vs slug



Right In: 11439.744 $\pm$ 2.789 χ^2 /NDF: 99727.8/12

Left Out: 8716.427 $\pm$ 2.719 χ^2 /NDF:393127.4/9

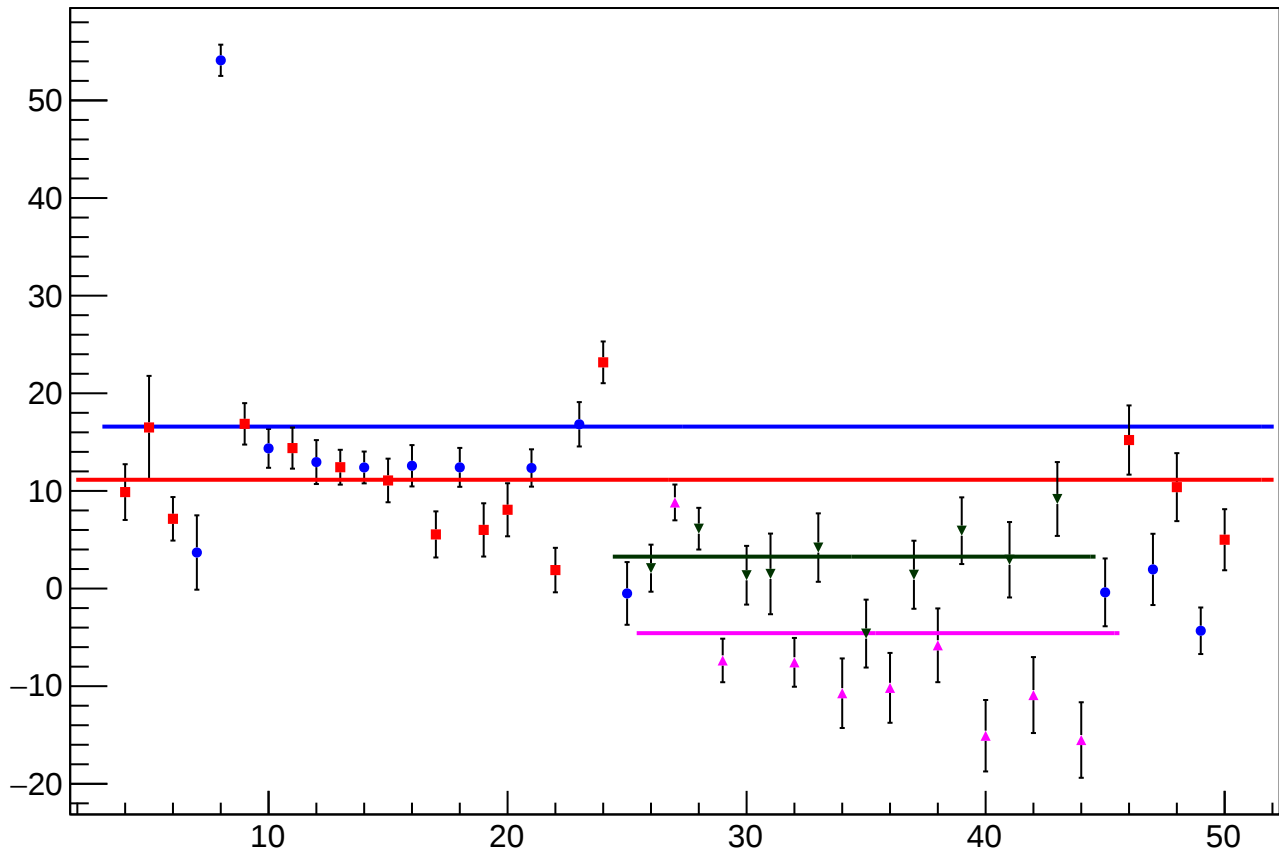
10043.612 $\pm$ 1.947 χ^2 /NDF: 981681.1/22

Right Out: 11462.785 $\pm$ 2.895 χ^2 /NDF: 131632.4/14

10024.978 $\pm$ 1.965 χ^2 /NDF: 1053481.5/23

Left In: 8796.116 $\pm$ 2.676 χ^2 /NDF:464333.7/8

diff_bpm0l06Y_mean vs slug



Right In: 16.589 ± 0.613 χ^2/NDF : 729.7/12

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

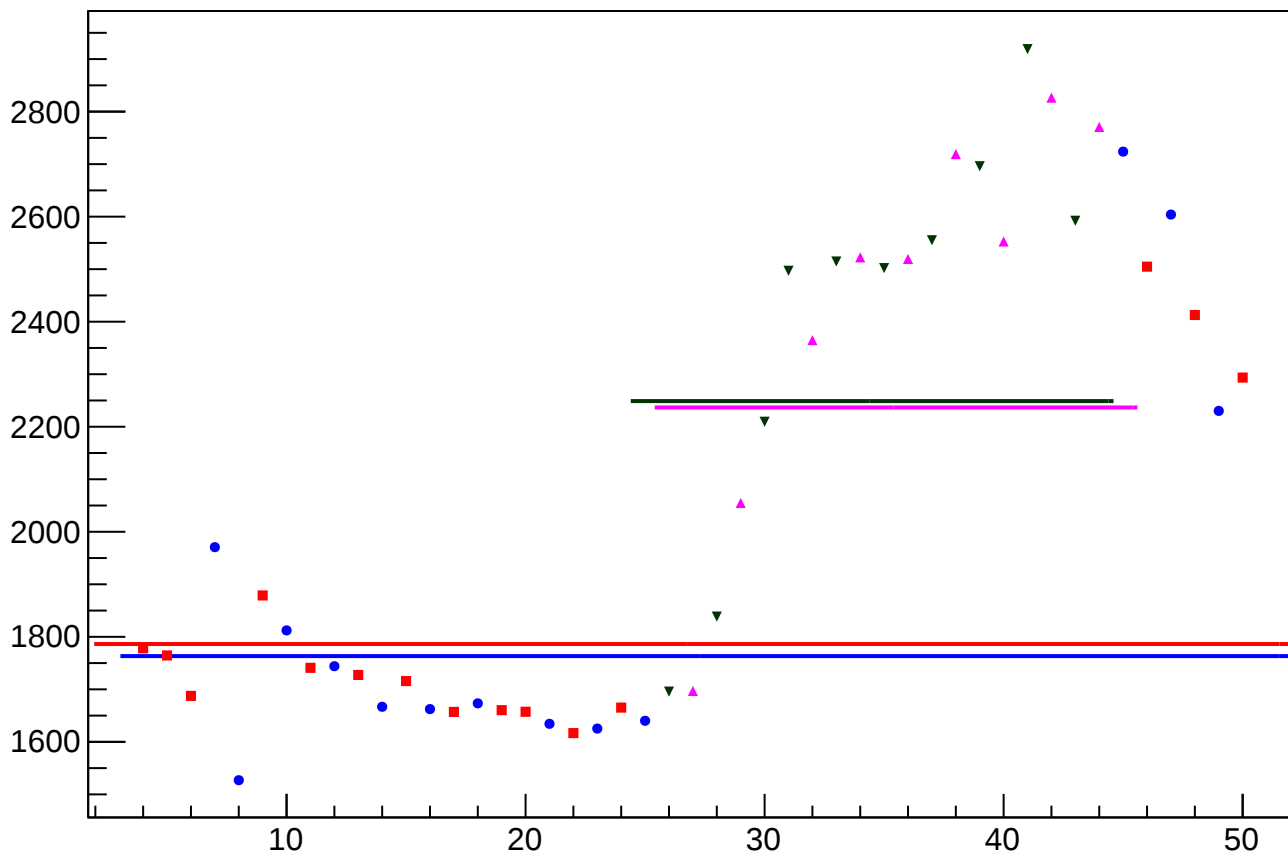
Right Out: 11.143 ± 0.639 χ^2/NDF : 78.4/14

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

12.871 ± 0.521 χ^2/NDF : 872.5/22

6.290 ± 0.531 χ^2/NDF : 345.8/23

diff_bpm0l06Y_rms vs slug



Right In: 1763.306+/-0.434 χ^2/NDF : 421780.6/12

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

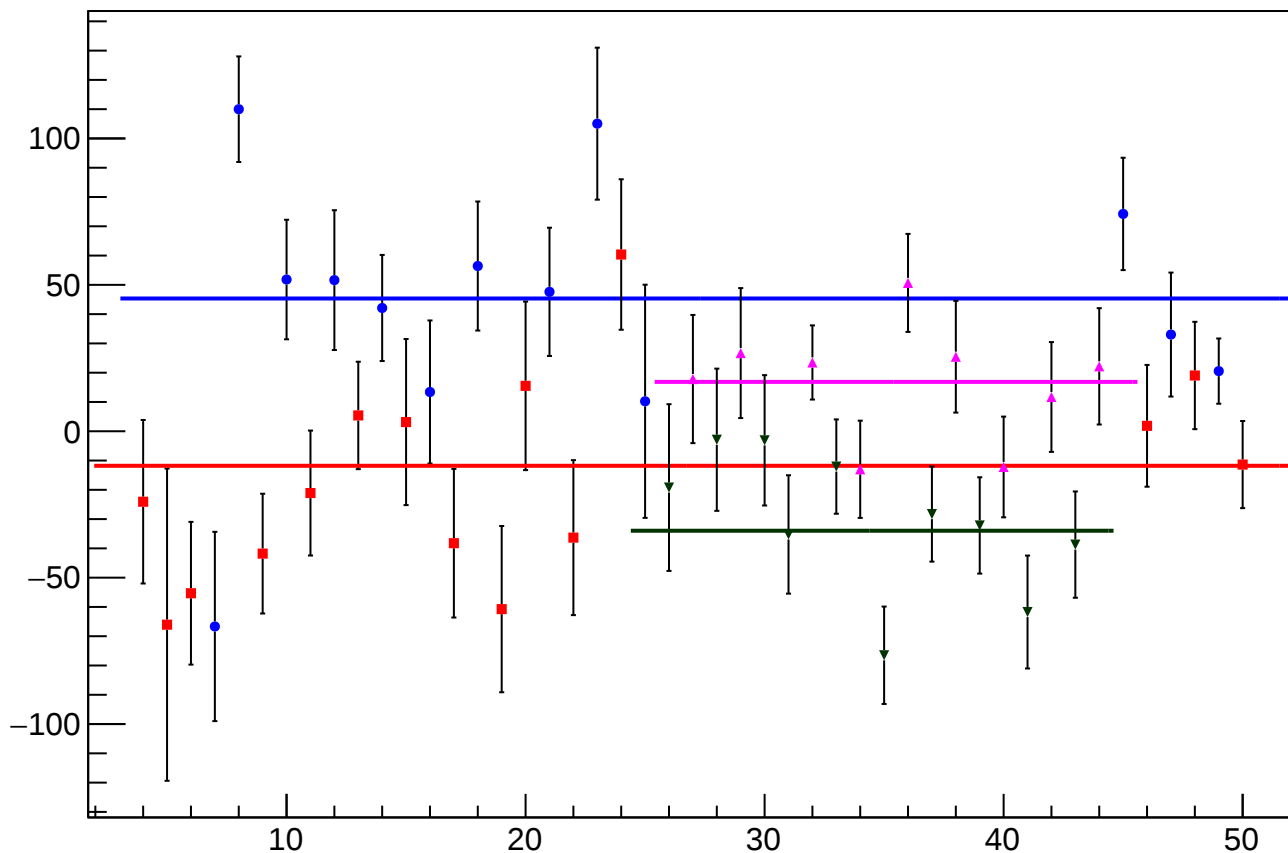
Right Out: 1786.282+/-0.452 χ^2/NDF : 244658.7/14

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

1898.832+/-0.368 χ^2/NDF : 1107006.7/22

1925.391+/-0.376 χ^2/NDF : 900296.5/23

diff_bpm0l07X_mean vs slug



Right In: 45.344+/-5.575 χ^2 /NDF: 40.7/12

Left Out: -33.973+/-5.967 χ^2 /NDF:14.5/9

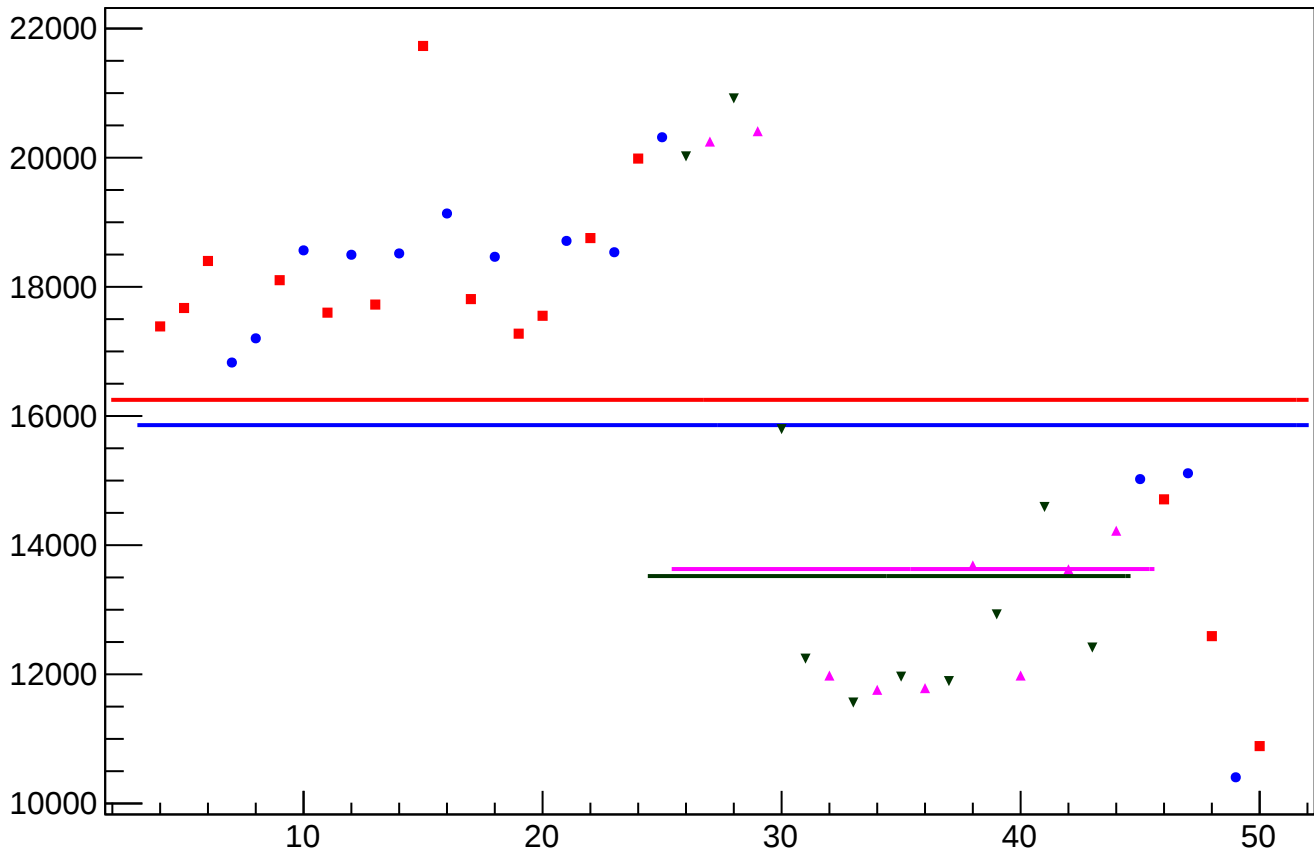
Right Out: -11.792+/-5.885 χ^2 /NDF: 24.9/14

Left In: 16.860+/-5.867 χ^2 /NDF:11.0/8

8.376+/-4.074 χ^2 /NDF: 149.5/22

2.579+/-4.155 χ^2 /NDF: 47.8/23

diff_bpm0l07X_rms vs slug



Right In: 15858.784+/-3.942 χ^2/NDF : 745236.8/12

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

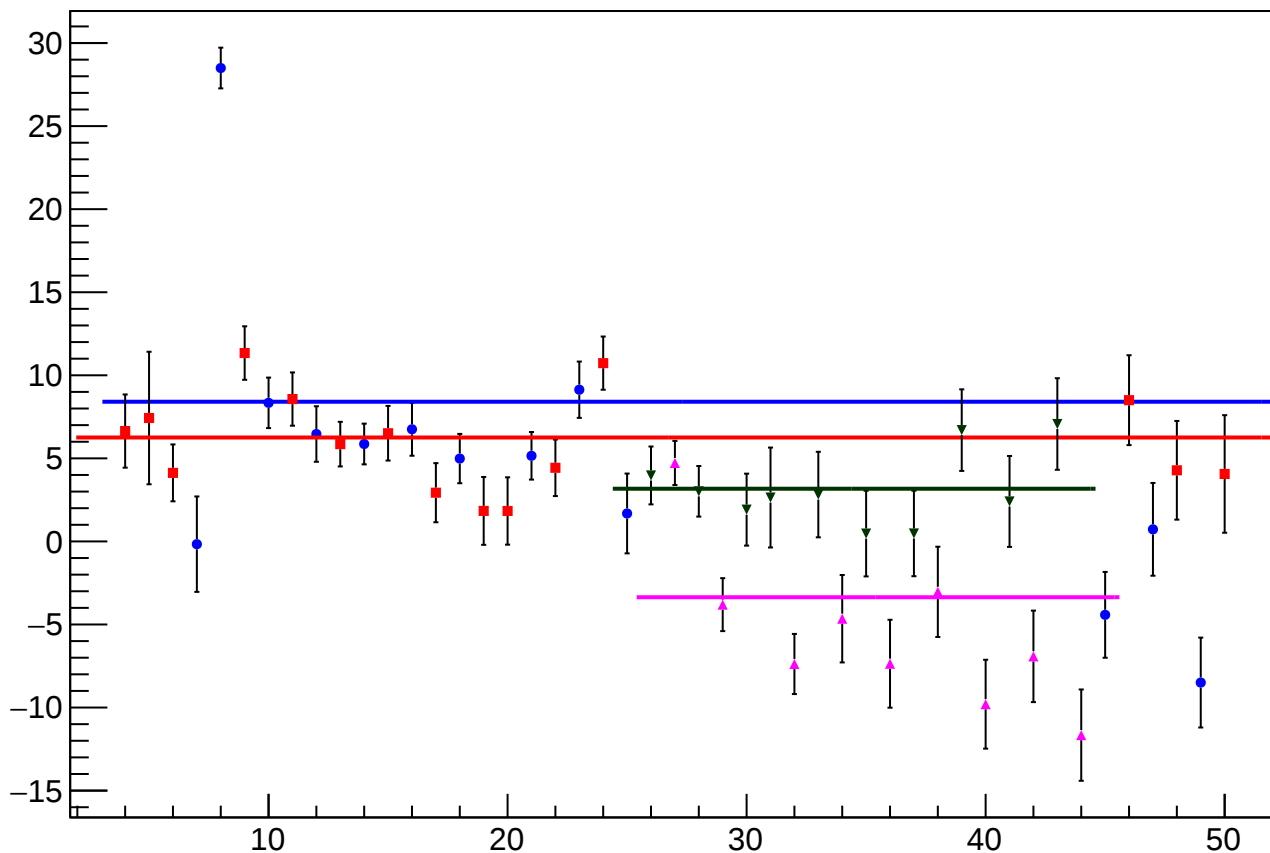
14769.468+/-2.881 χ^2/NDF : 1311095.9/22

Right Out: 16250.201+/-4.162 χ^2/NDF : 557198.1/14

14936.145+/-2.938 χ^2/NDF : 1229192.0/23

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

diff_bpm0l07Y_mean vs slug



Right In: 8.409 ± 0.471 $\chi^2/\text{NDF}: 374.2/12$

Left Out: 3.172 ± 0.713 $\chi^2/\text{NDF}: 6.9/9$

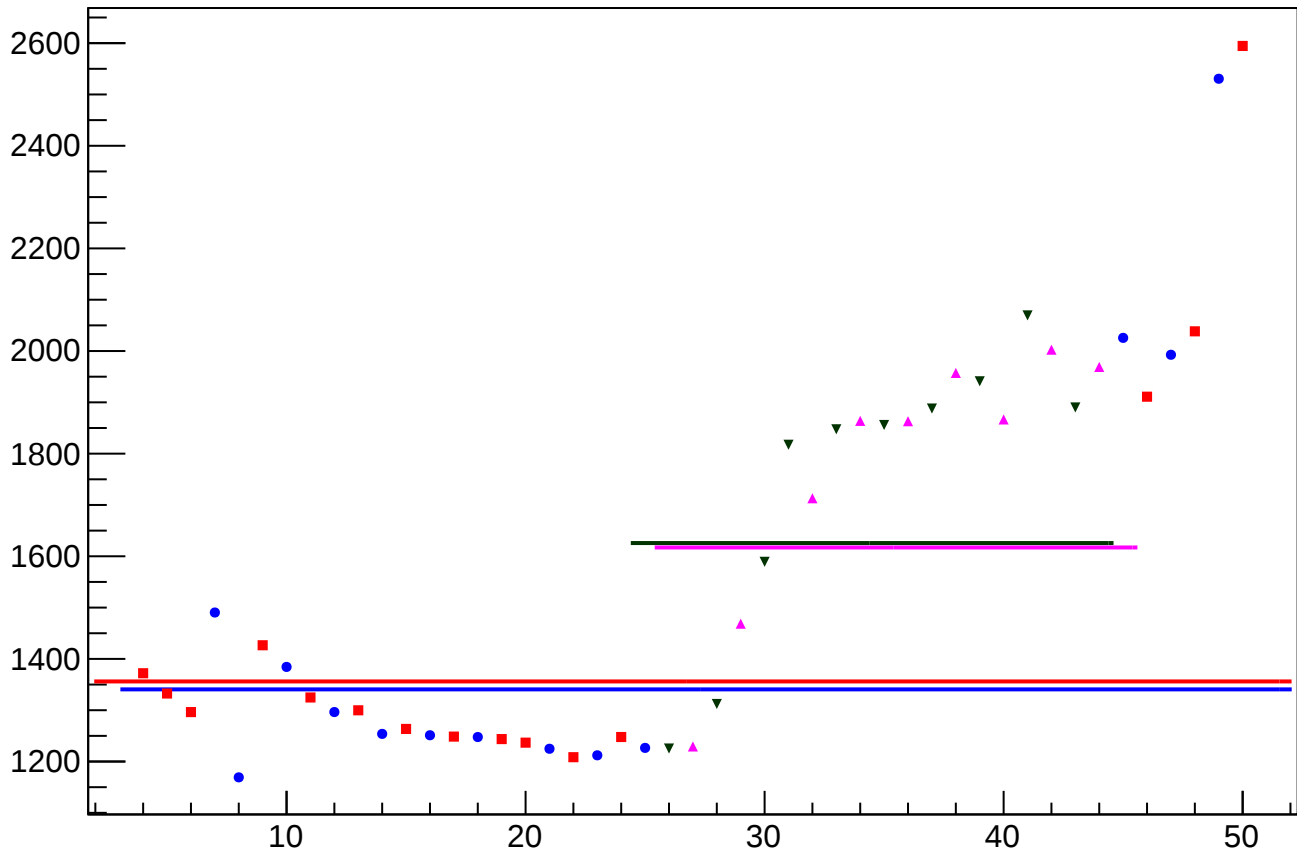
Right Out: 6.256 ± 0.490 $\chi^2/\text{NDF}: 37.2/14$

Left In: -3.360 ± 0.691 $\chi^2/\text{NDF}: 61.2/8$

6.819 ± 0.393 $\chi^2/\text{NDF}: 418.7/22$

3.045 ± 0.399 $\chi^2/\text{NDF}: 227.3/23$

diff_bpm0l07Y_rms vs slug



Right In: 1340.605+/-0.333 χ^2/NDF : 737569.2/12

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

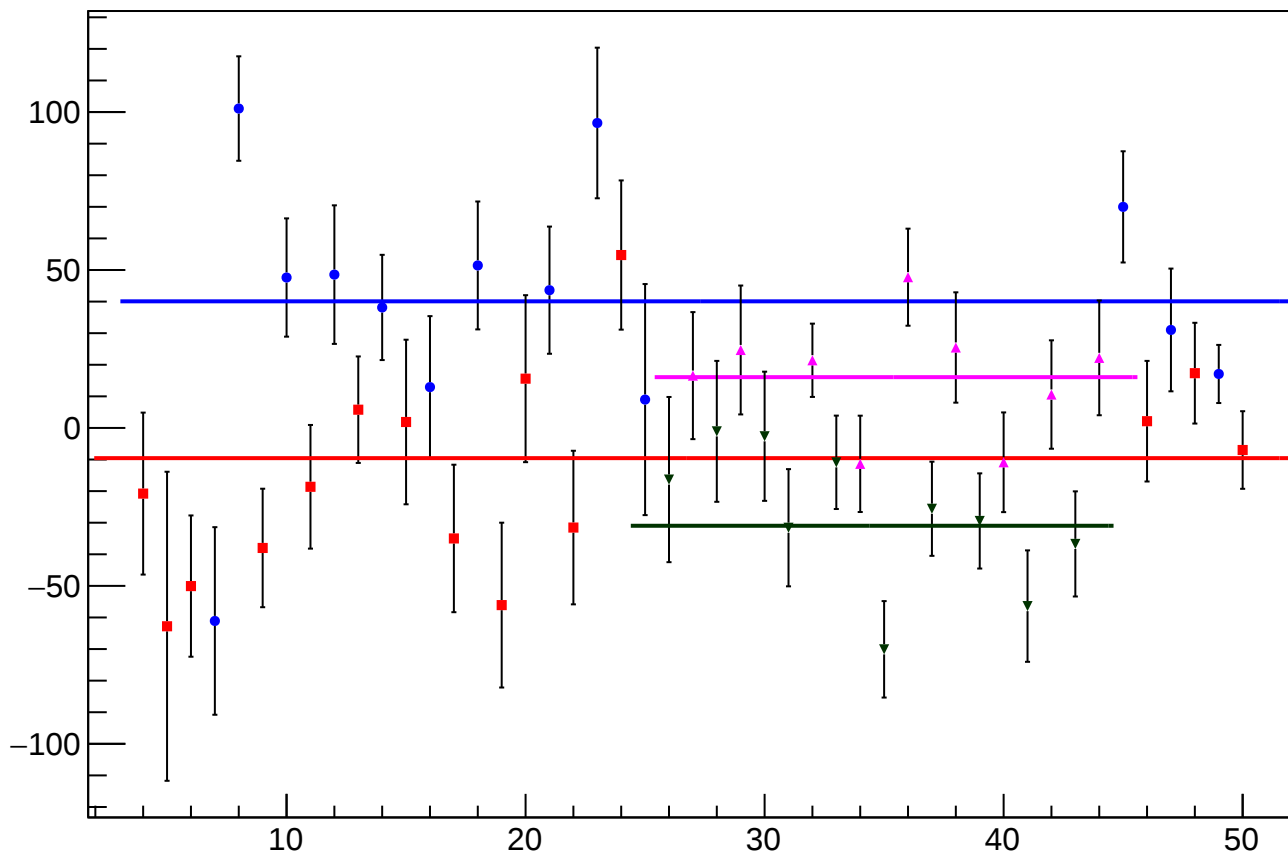
Right Out: 1356.088+/-0.346 χ^2/NDF : 496170.0/14

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

1427.173+/-0.278 χ^2/NDF : 1315124.3/22

1443.282+/-0.282 χ^2/NDF : 1035358.7/23

diff_bpm0l08X_mean vs slug



Right In: 40.084 $\pm$ 4.974 χ^2 /NDF: 43.0/12

Left Out: -30.968 $\pm$ 5.475 χ^2 /NDF:14.8/9

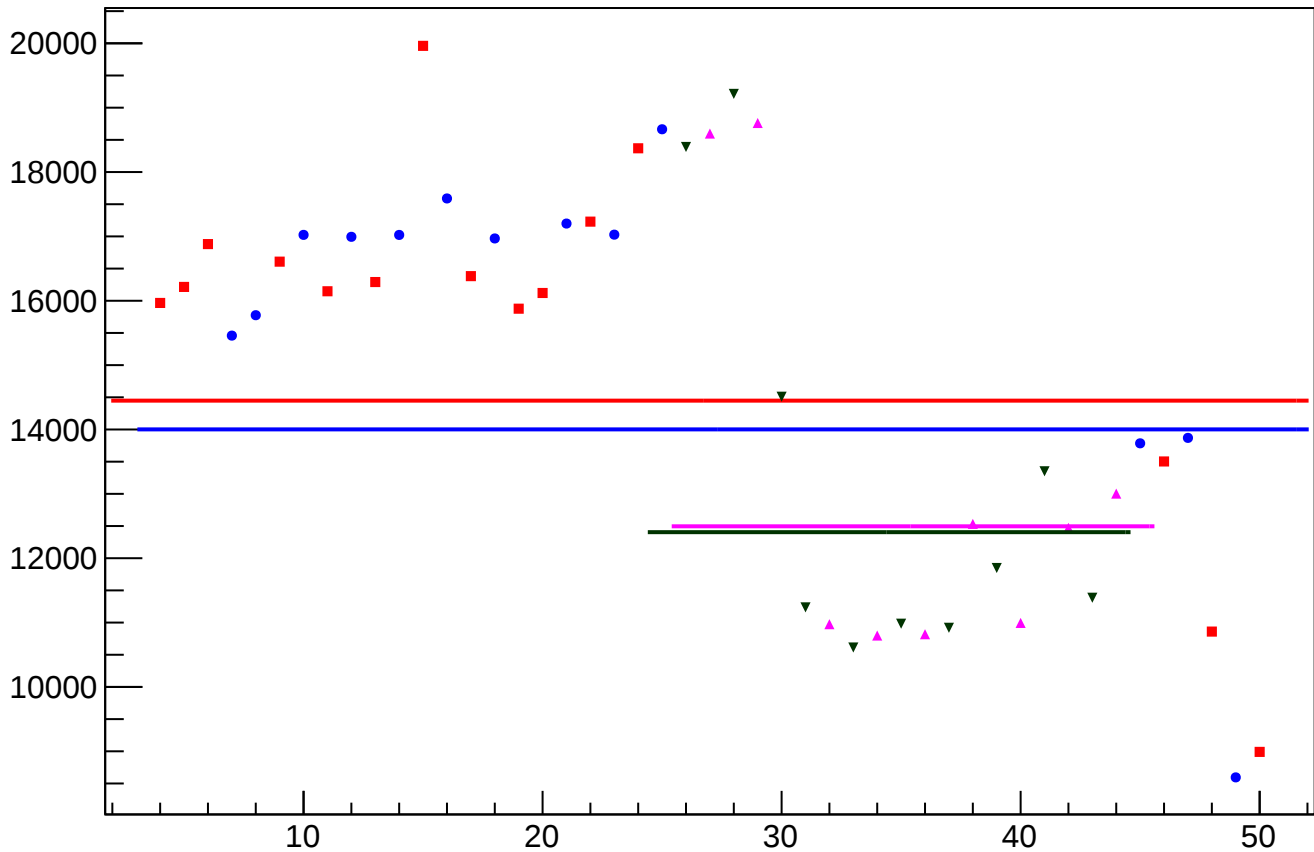
Right Out: -9.560 $\pm$ 5.277 χ^2 /NDF: 25.0/14

Left In: 16.079 $\pm$ 5.379 χ^2 /NDF:11.3/8

7.951 $\pm$ 3.682 χ^2 /NDF: 150.1/22

3.015 $\pm$ 3.767 χ^2 /NDF: 47.8/23

diff_bpm0l08X_rms vs slug



Right In: 14001.571+/-3.517 χ^2/NDF : 1083165.3/12

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

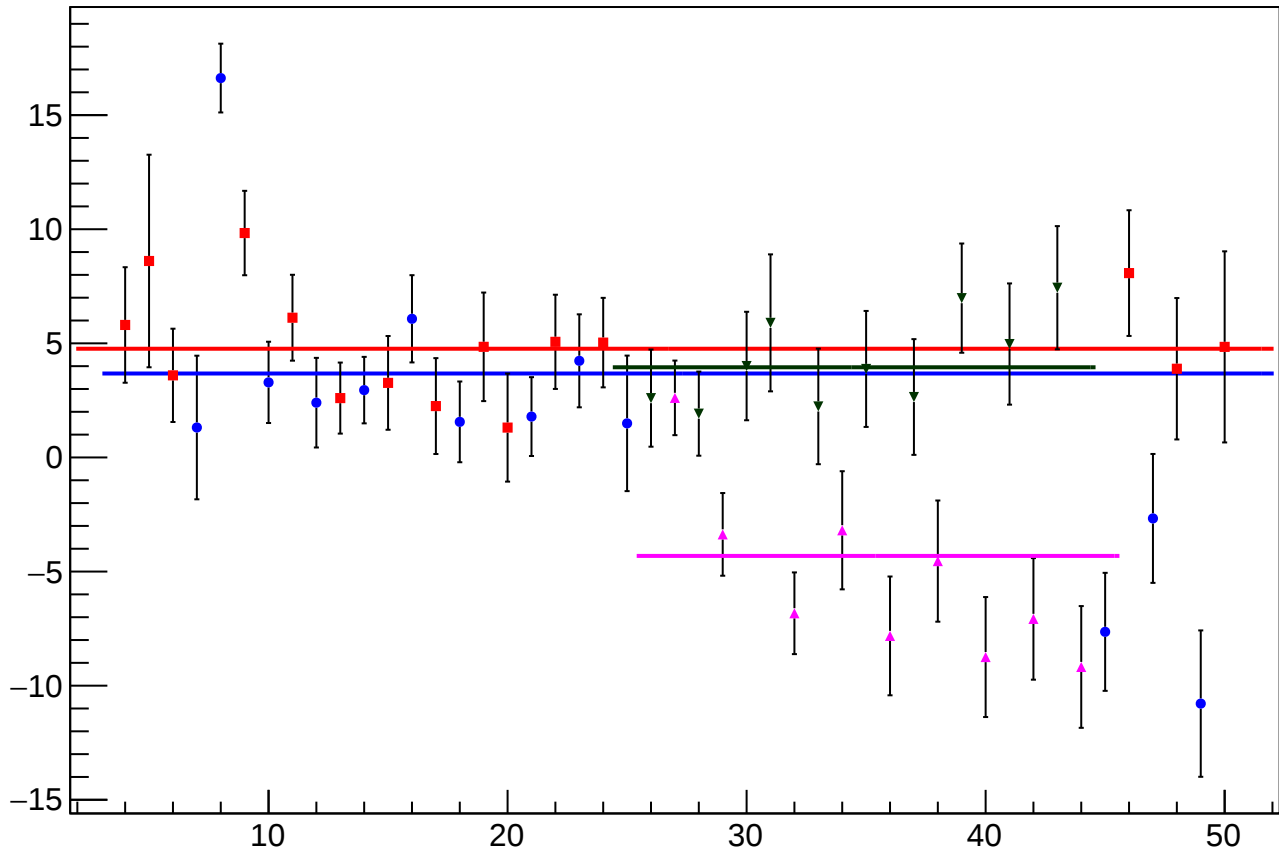
13279.369+/-2.603 χ^2/NDF : 1579248.1/22

Right Out: 14448.227+/-3.732 χ^2/NDF : 798231.5/14

13490.576+/-2.664 χ^2/NDF : 1408013.3/23

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

diff_bpm0l08Y_mean vs slug



Right In: 3.678+/-0.555 χ^2/NDF : 124.5/12

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

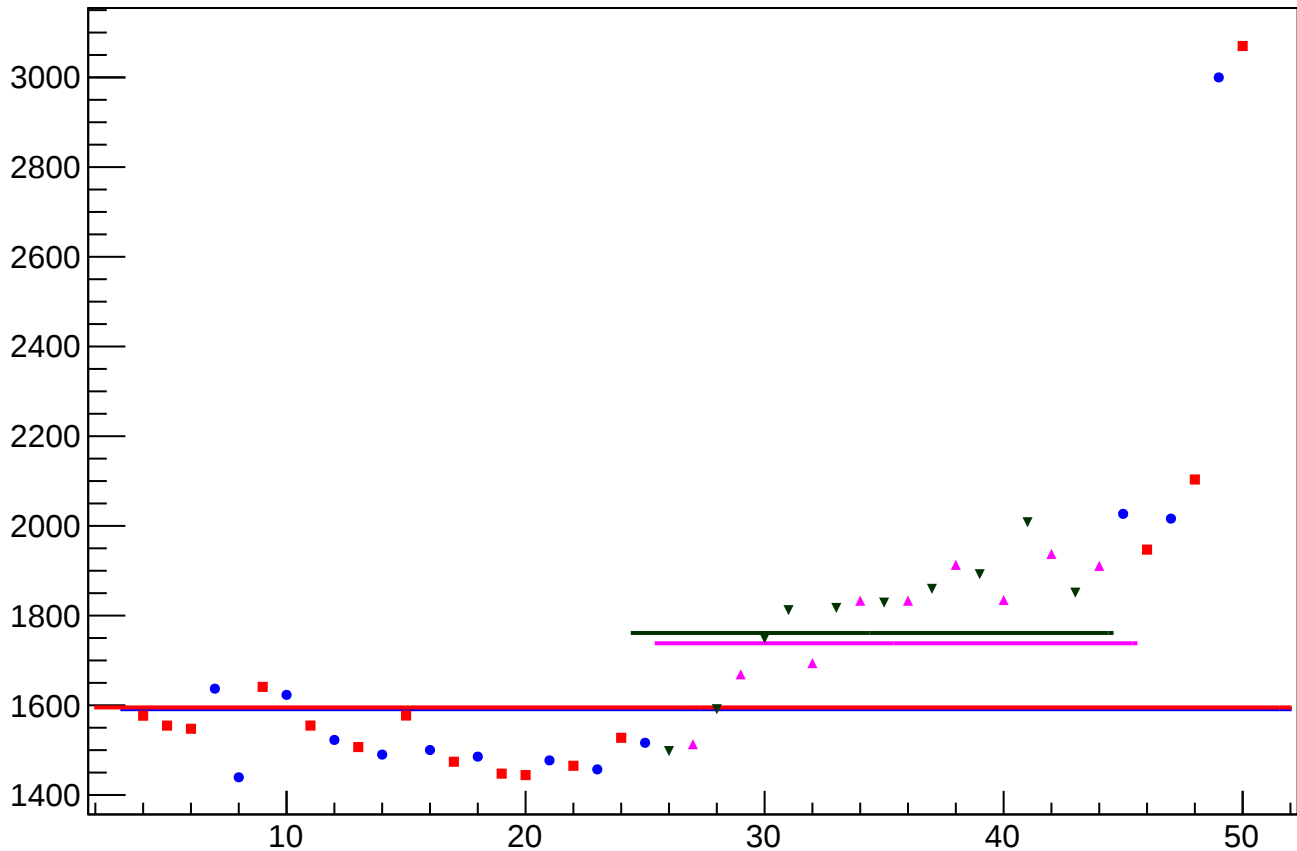
Right Out: 4.764+/-0.574 χ^2/NDF : 16.8/14

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

3.773+/-0.449 χ^2/NDF : 130.7/22

1.319+/-0.452 χ^2/NDF : 141.2/23

diff_bpm0l08Y_rms vs slug



Right In: 1591.284+/-0.393 χ^2/NDF : 551747.3/12

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

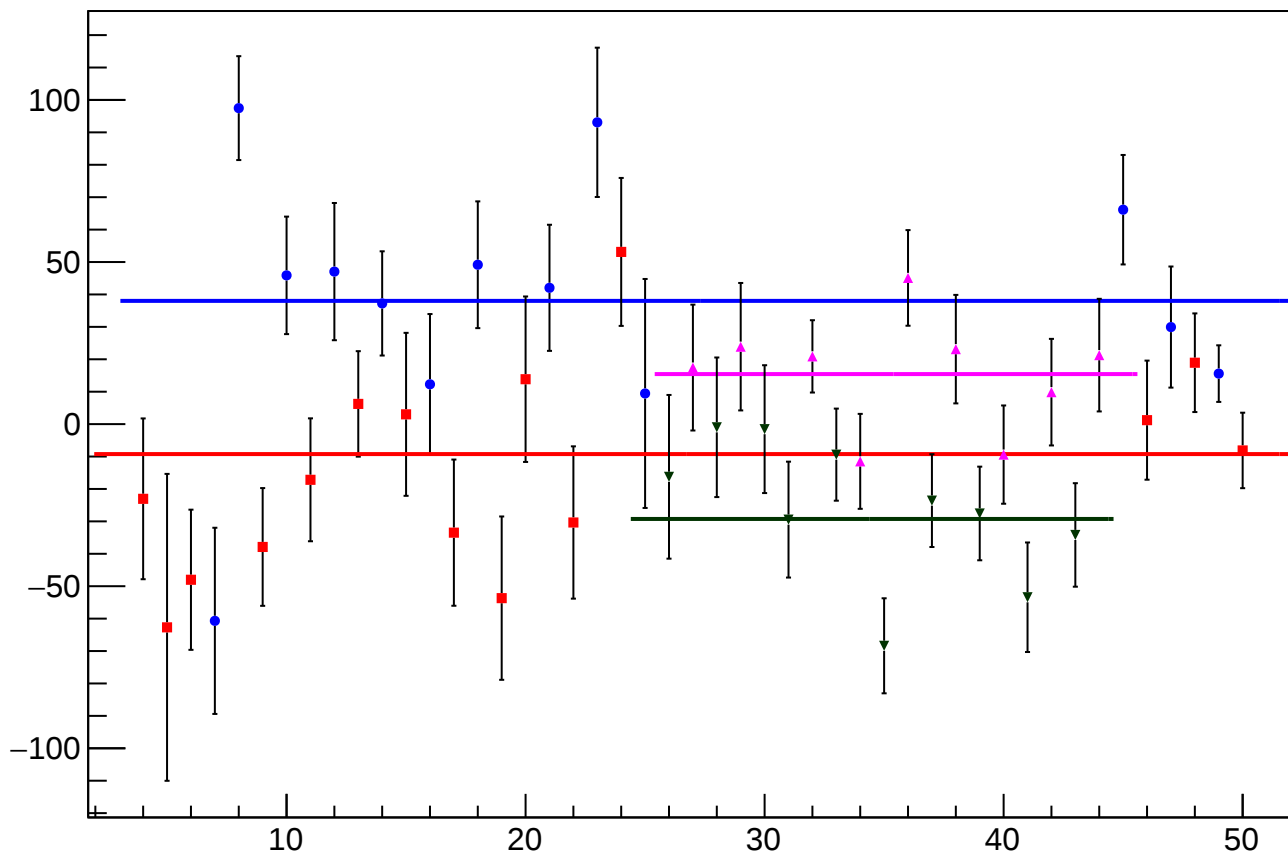
Right Out: 1595.230+/-0.406 χ^2/NDF : 377472.3/14

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

1650.271+/-0.317 χ^2/NDF : 695912.1/22

1649.529+/-0.320 χ^2/NDF : 502988.7/23

diff_bpm0l09X_mean vs slug



Right In: 38.017 ± 4.777 $\chi^2/\text{NDF}: 43.7/12$

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

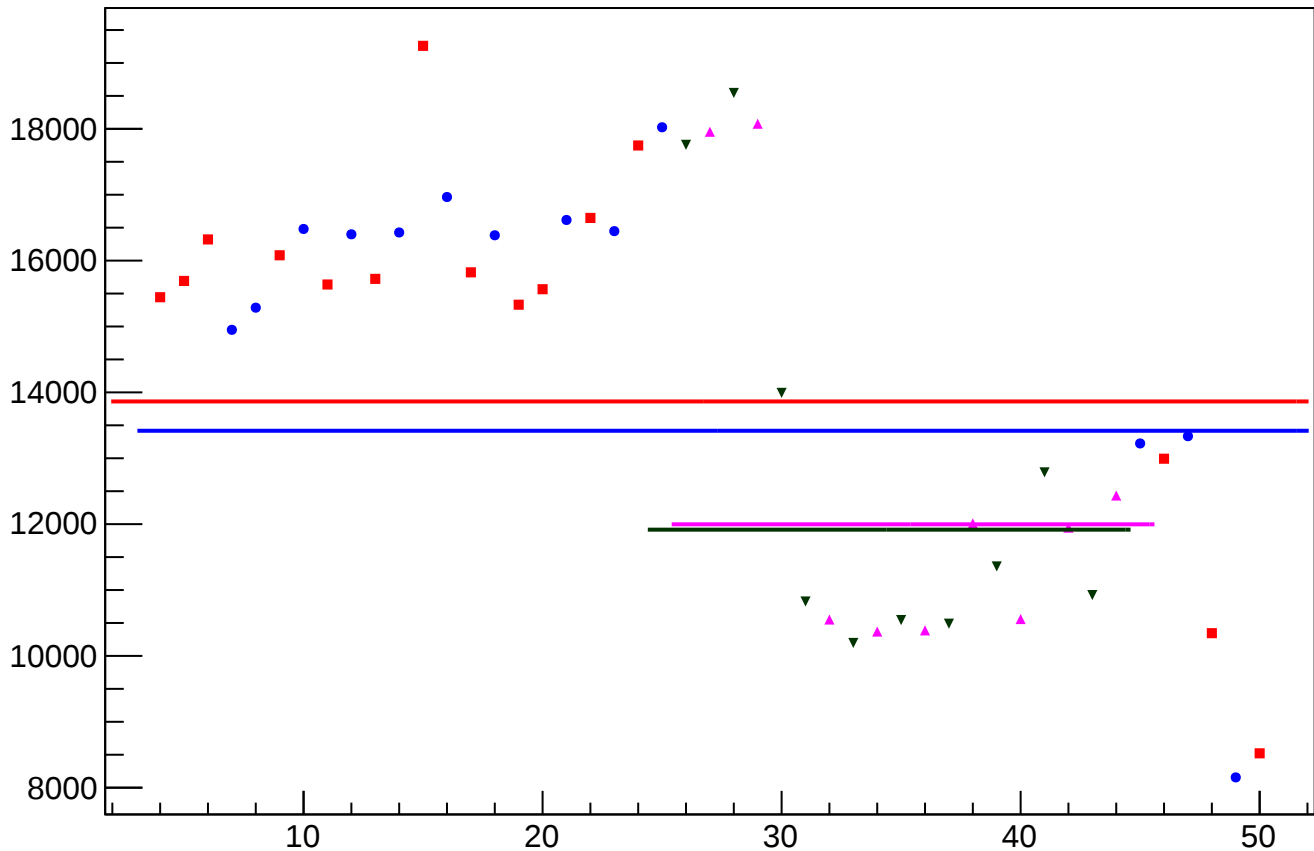
Right Out: -9.242 ± 5.073 $\chi^2/\text{NDF}: 25.7/14$

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

7.616 ± 3.536 $\chi^2/\text{NDF}: 148.7/22$

2.873 ± 3.619 $\chi^2/\text{NDF}: 48.3/23$

diff_bpm0l09X_rms vs slug



Right In: 13417.353 ± 3.378 χ^2/NDF : 1149039.5/12

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

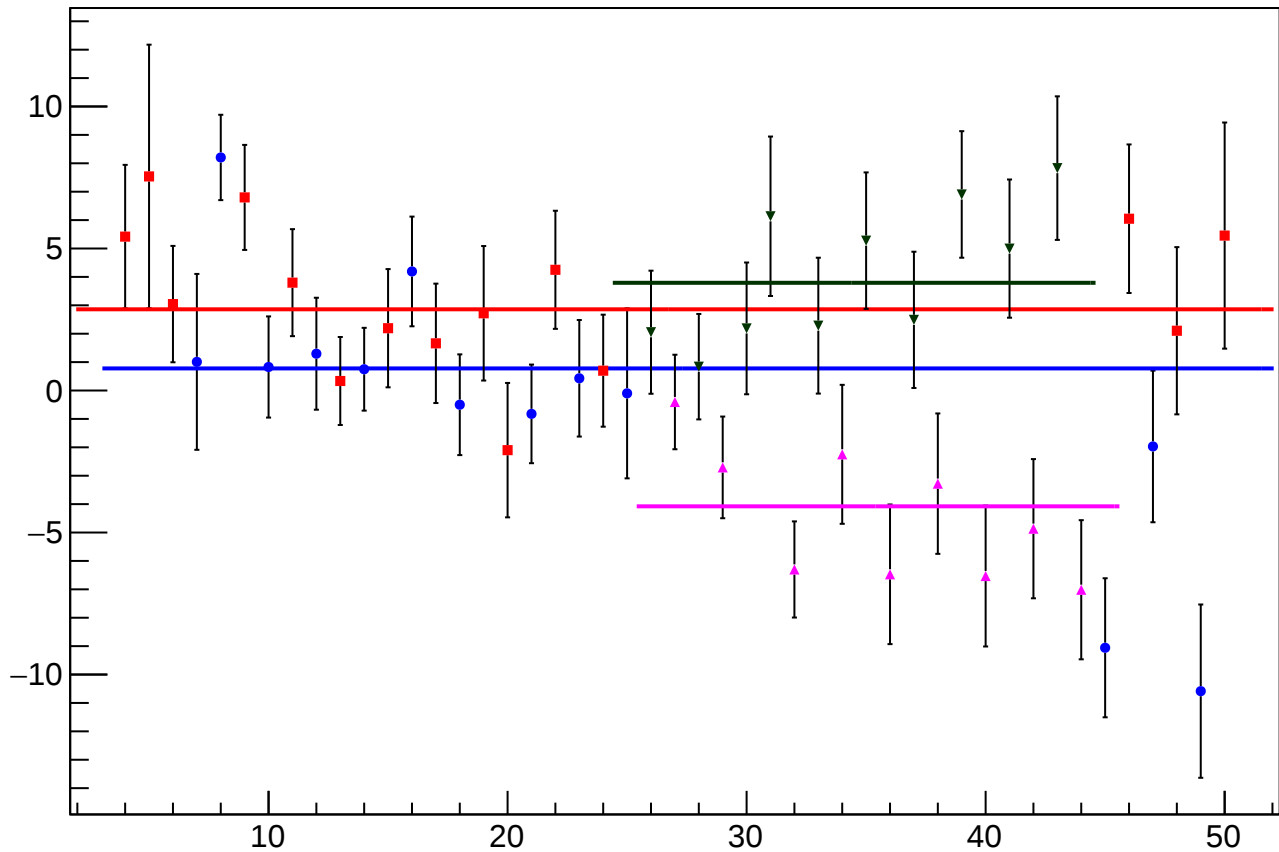
12738.978 ± 2.501 χ^2/NDF : 1647265.1/22

Right Out: 13862.442 ± 3.587 χ^2/NDF : 851905.4/14

12946.703 ± 2.559 χ^2/NDF : 1465782.8/23

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

diff_bpm0l09Y_mean vs slug



Right In: 0.778 ± 0.553 χ^2/NDF : 60.2/12

Left Out: 3.793 ± 0.732 χ^2/NDF : 10.2/9

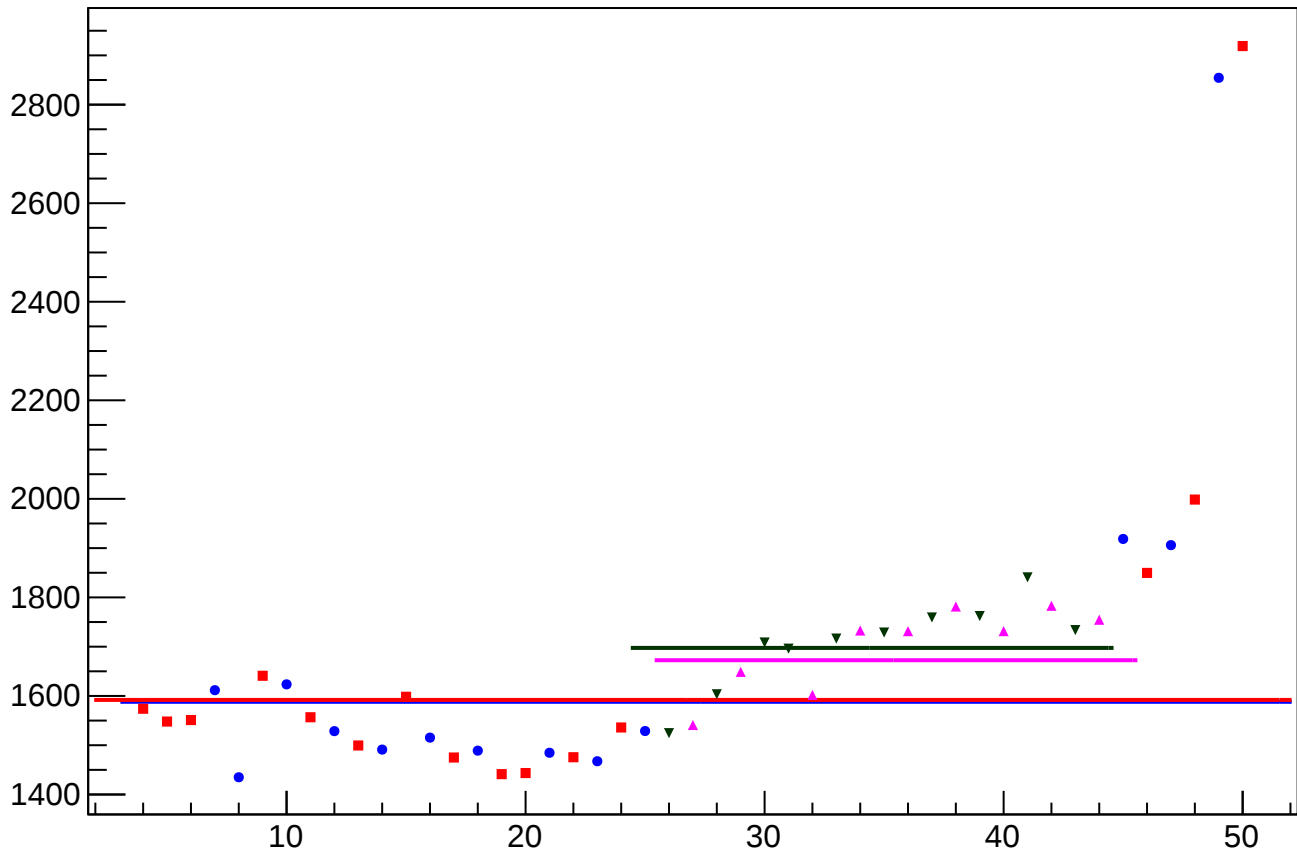
Right Out: 2.859 ± 0.572 χ^2/NDF : 17.9/14

Left In: -4.078 ± 0.705 χ^2/NDF : 11.3/8

1.872 ± 0.441 χ^2/NDF : 81.2/22

0.106 ± 0.444 χ^2/NDF : 87.7/23

diff_bpm0l09Y_rms vs slug



Right In: 1588.140+/-0.391 χ^2/NDF : 465662.6/12

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

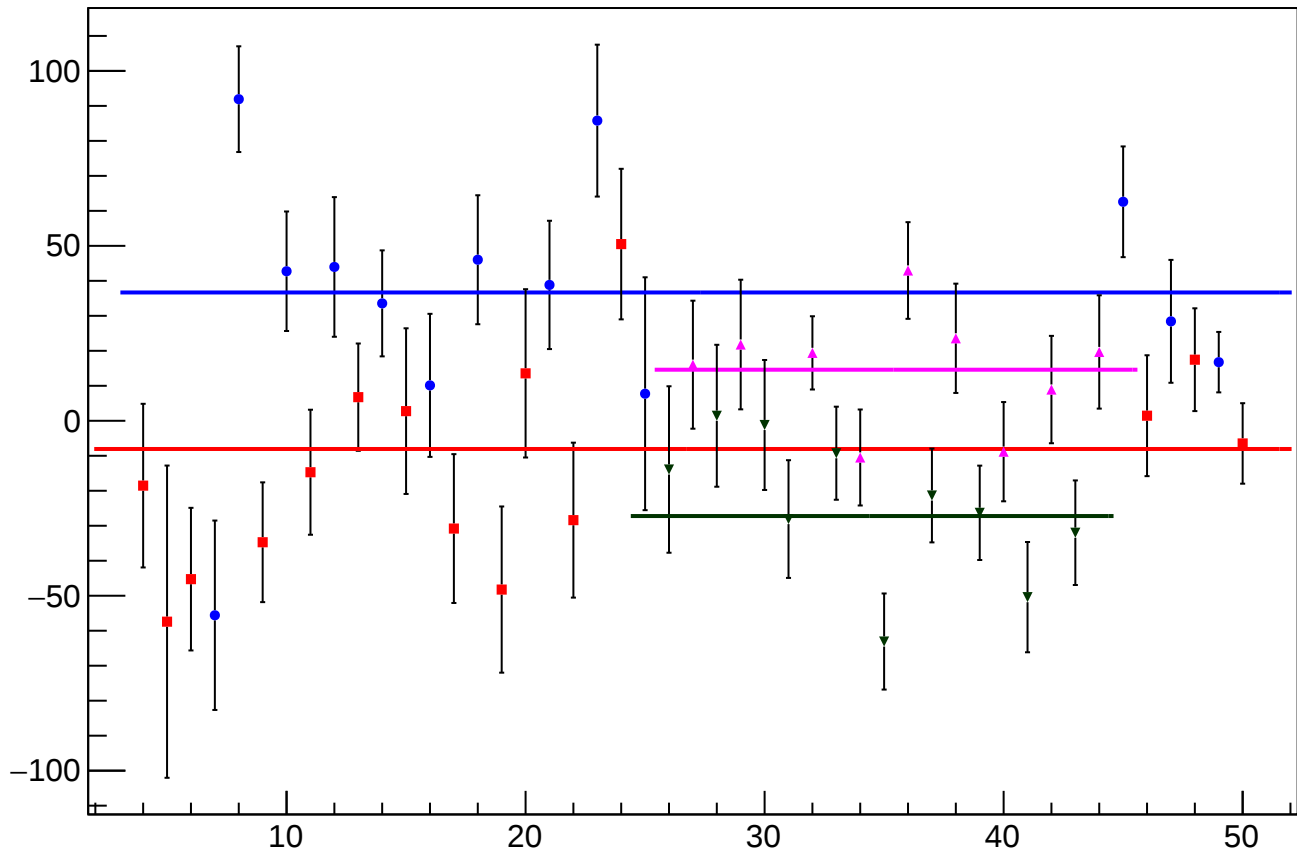
Right Out: 1591.940+/-0.404 χ^2/NDF : 320168.3/14

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

1627.843+/-0.312 χ^2/NDF : 522831.8/22

1623.914+/-0.314 χ^2/NDF : 365918.2/23

diff_bpm0l10X_mean vs slug



Right In: 36.675 ± 4.564 χ^2/NDF : 41.3/12

Left Out: -27.224 ± 4.929 χ^2/NDF : 15.4/9

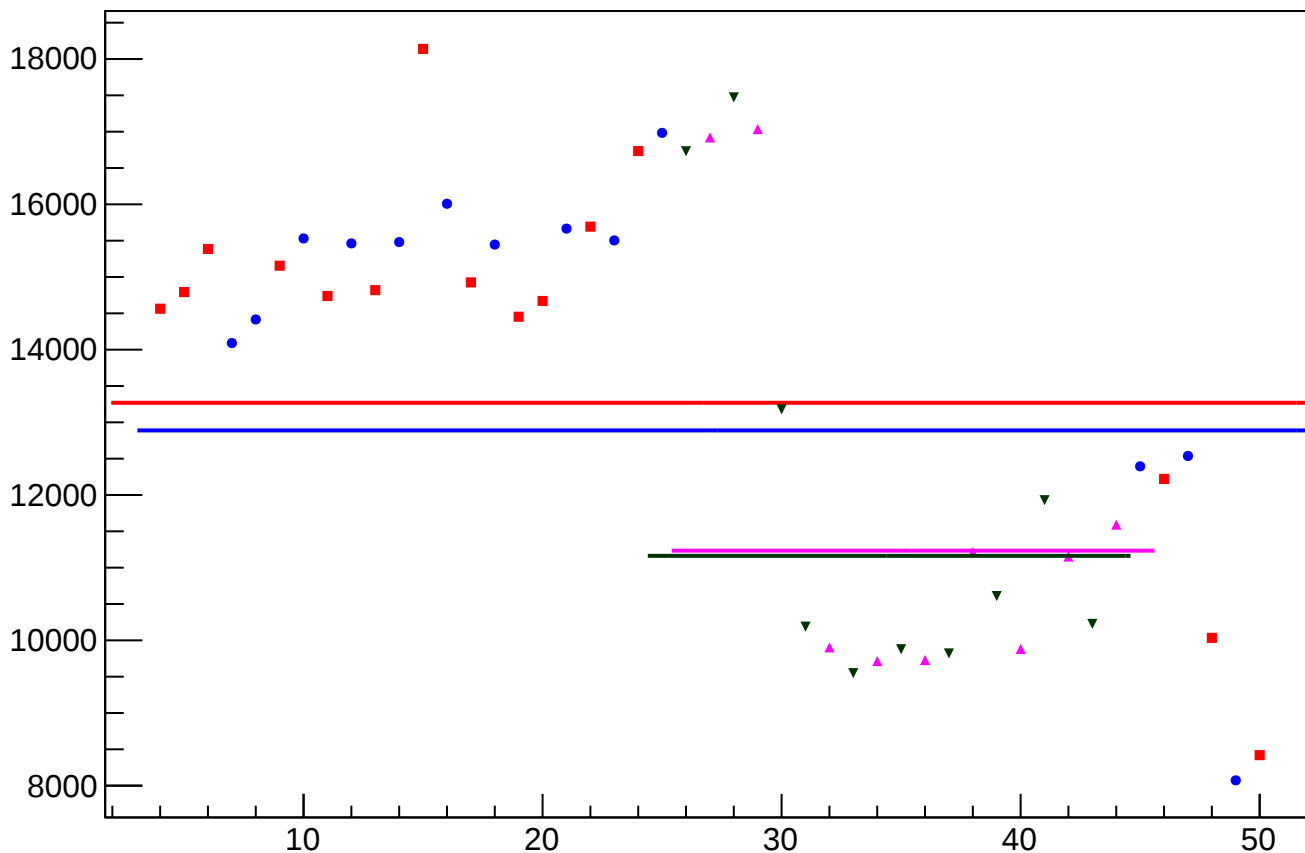
Right Out: -8.058 ± 4.835 χ^2/NDF : 24.9/14

Left In: 14.599 ± 4.839 χ^2/NDF : 11.2/8

7.183 ± 3.349 χ^2/NDF : 147.2/22

3.262 ± 3.420 χ^2/NDF : 47.1/23

diff_bpm0l10X_rms vs slug



Right In: 12888.791 $\pm$ 3.227 χ^2 /NDF: 978579.0/12

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

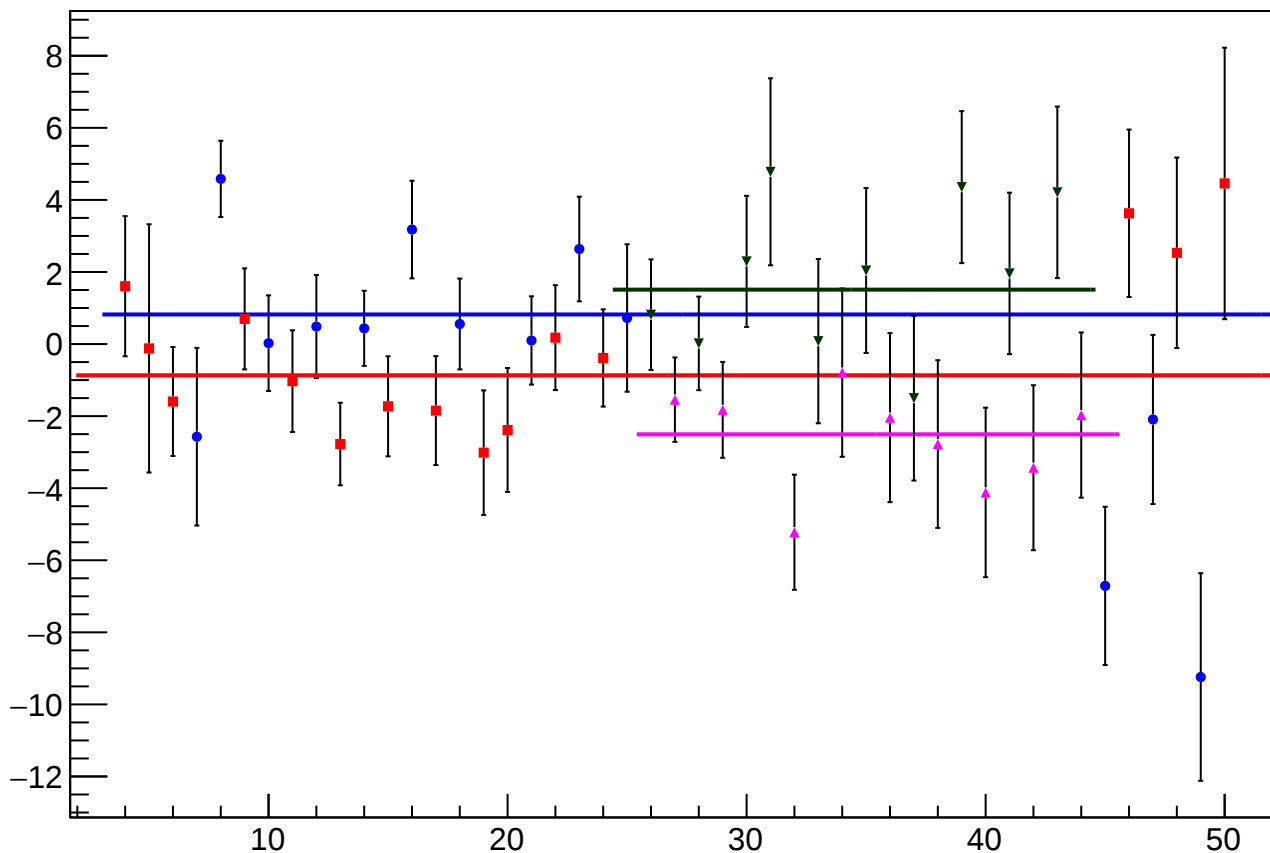
Right Out: 13269.362 $\pm$ 3.419 χ^2 /NDF: 732458.9/14

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

12092.175 $\pm$ 2.368 χ^2 /NDF: 1526989.4/22

12252.464 $\pm$ 2.418 χ^2 /NDF: 1398784.8/23

diff_bpm0l10Y_mean vs slug



Right In: 0.821 ± 0.405 χ^2/NDF : 45.6/12

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

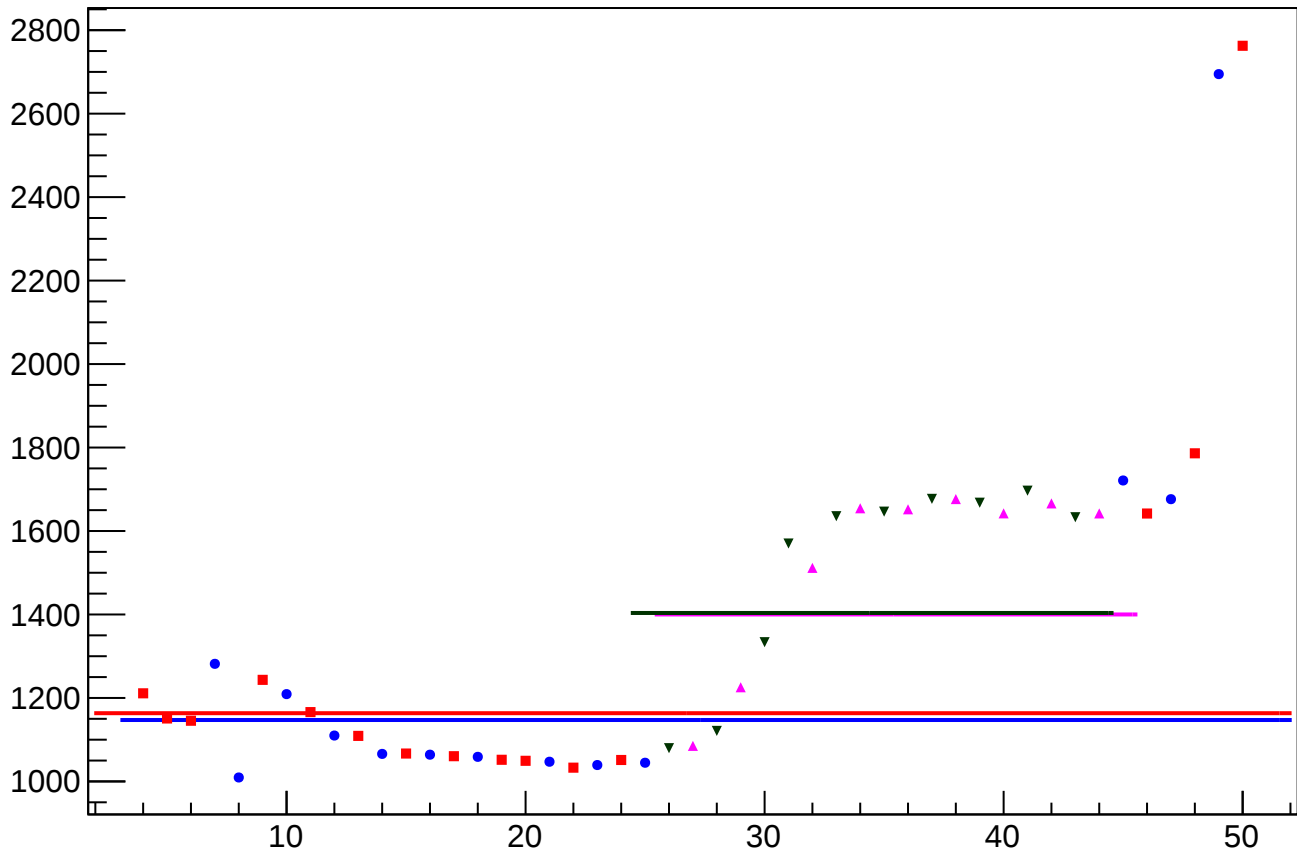
Right Out: -0.866 ± 0.422 χ^2/NDF : 17.1/14

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

1.030 ± 0.338 χ^2/NDF : 55.1/22

-1.411 ± 0.345 χ^2/NDF : 27.2/23

diff_bpm0l10Y_rms vs slug



Right In: 1147.154+/-0.286 χ^2/NDF : 920037.7/12

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

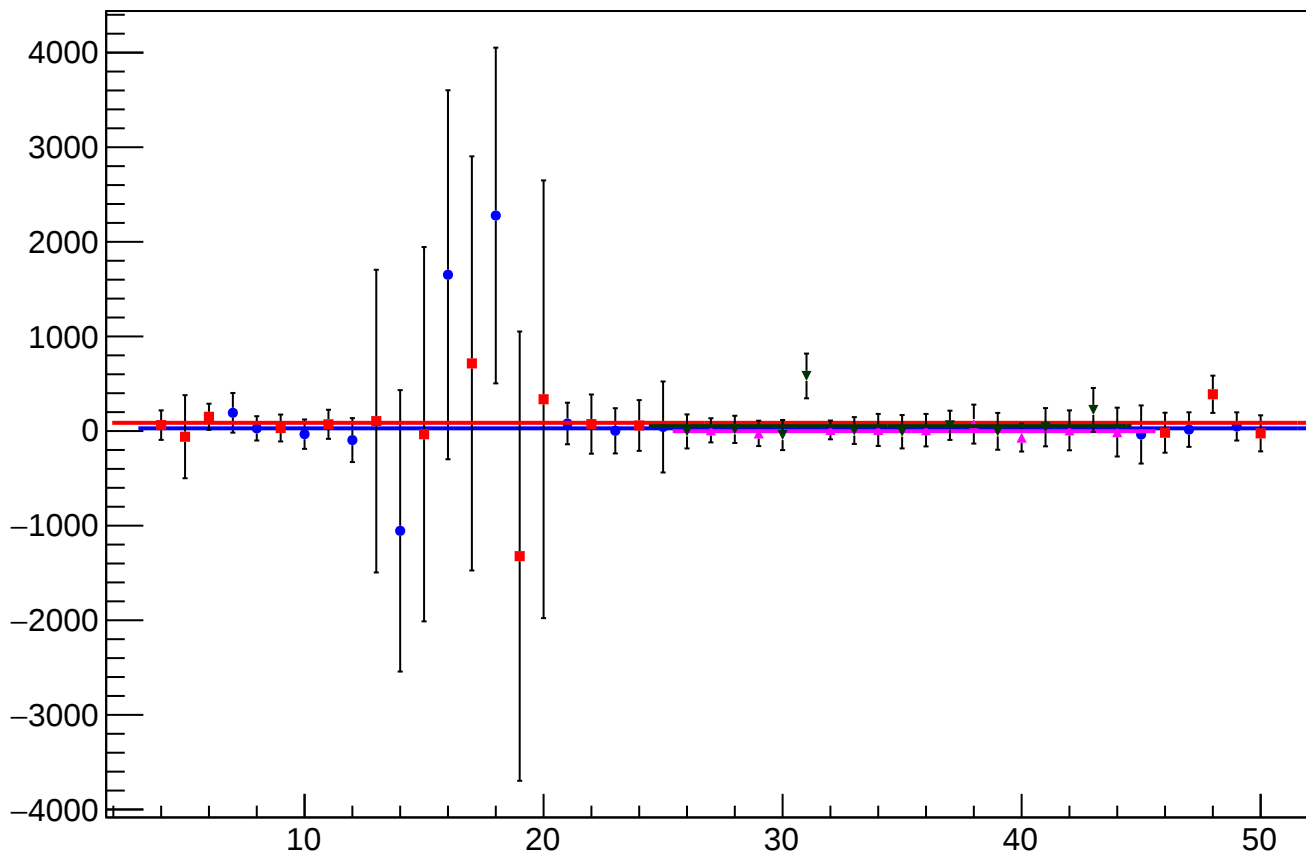
Right Out: 1163.493+/-0.299 χ^2/NDF : 634599.7/14

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

1224.718+/-0.239 χ^2/NDF : 1513685.6/22

1242.207+/-0.244 χ^2/NDF : 1177697.0/23

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs slug



Right In: 28.694+/-60.563 χ^2/NDF : 4.0/12

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

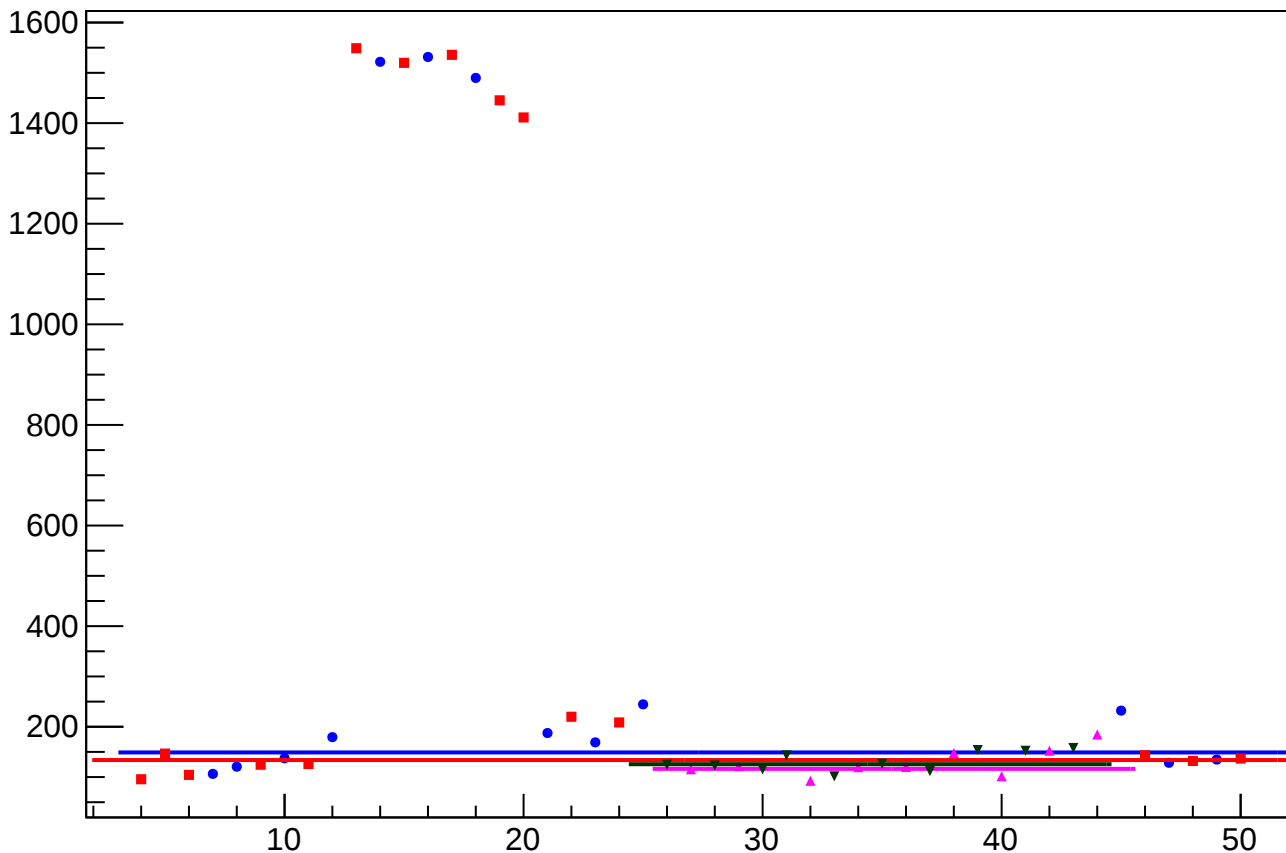
Right Out: 86.935+/-58.556 χ^2/NDF : 3.9/14

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

41.439+/-40.753 χ^2/NDF : 10.5/22

36.370+/-38.184 χ^2/NDF : 5.6/23

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs slug



Right In: 148.931+/-0.043 χ^2/NDF : 4421446.7/12

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

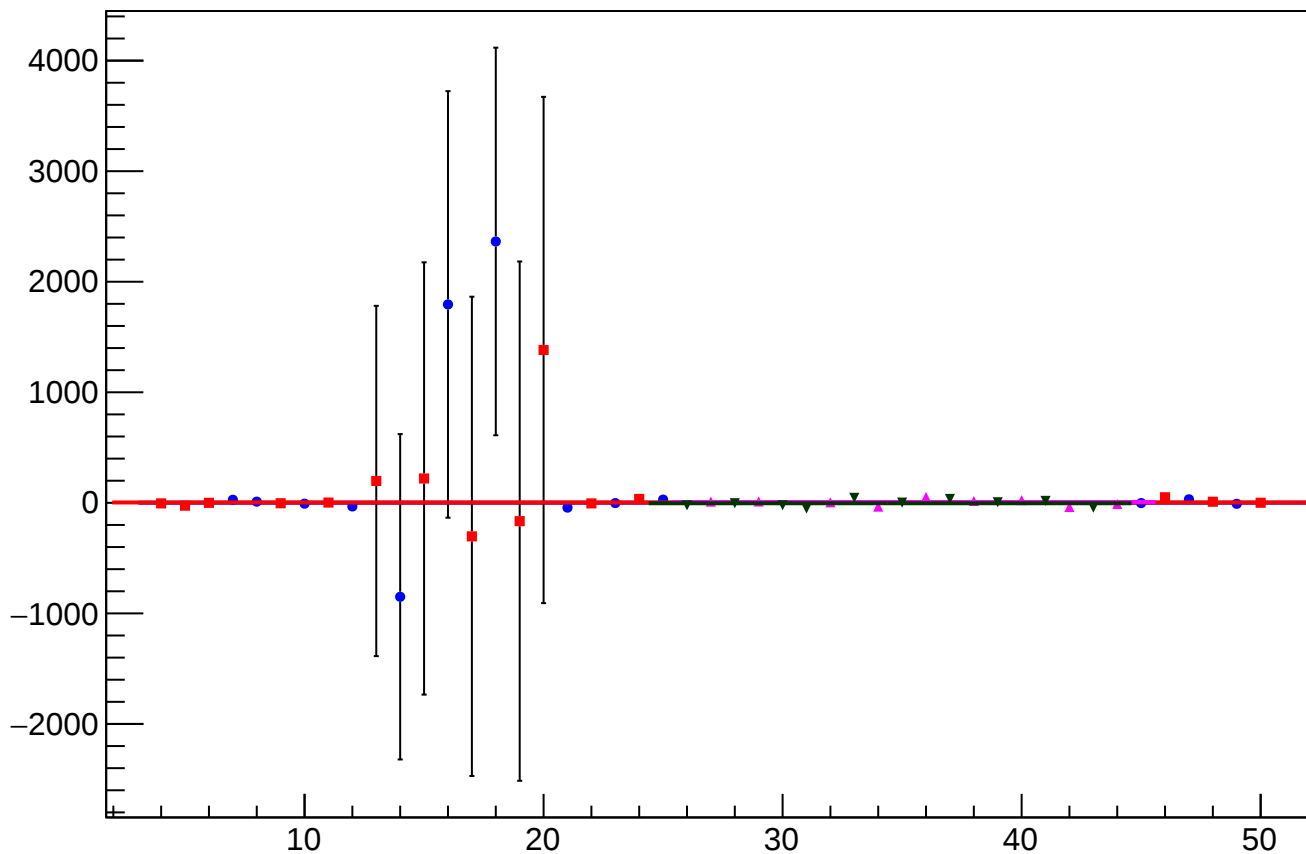
136.124+/-0.029 χ^2/NDF : 4793906.3/22

Right Out: 133.819+/-0.041 χ^2/NDF : 5125387.0/14

123.756+/-0.027 χ^2/NDF : 5612125.8/23

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: 1.242+/-5.443 χ^2/NDF : 13.8/12

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

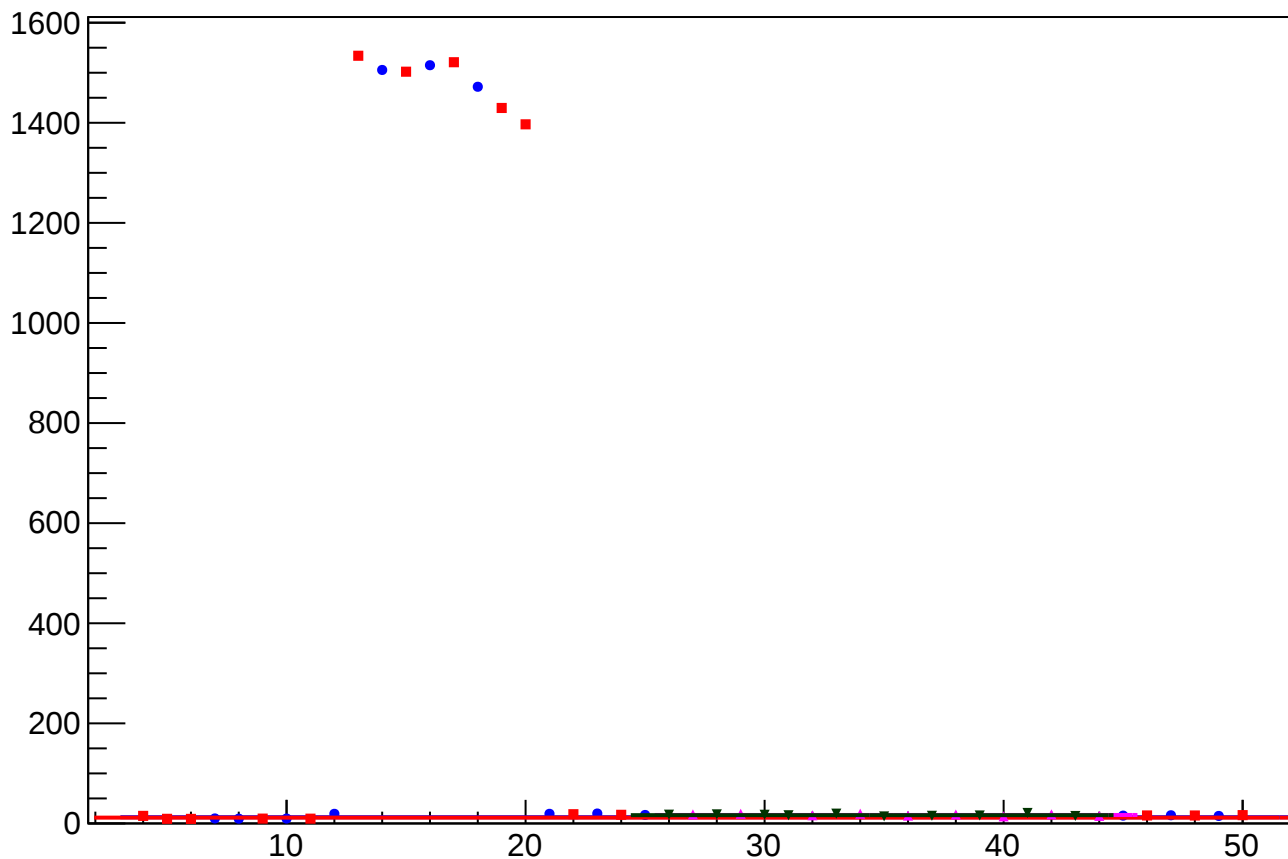
Right Out: 3.408+/-5.401 χ^2/NDF : 8.2/14

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

-0.499+/-4.391 χ^2/NDF : 28.7/22

4.860+/-4.371 χ^2/NDF : 18.9/23

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs slug



Right In: 12.460+/-0.004 χ^2/NDF : 5558830.5/12

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

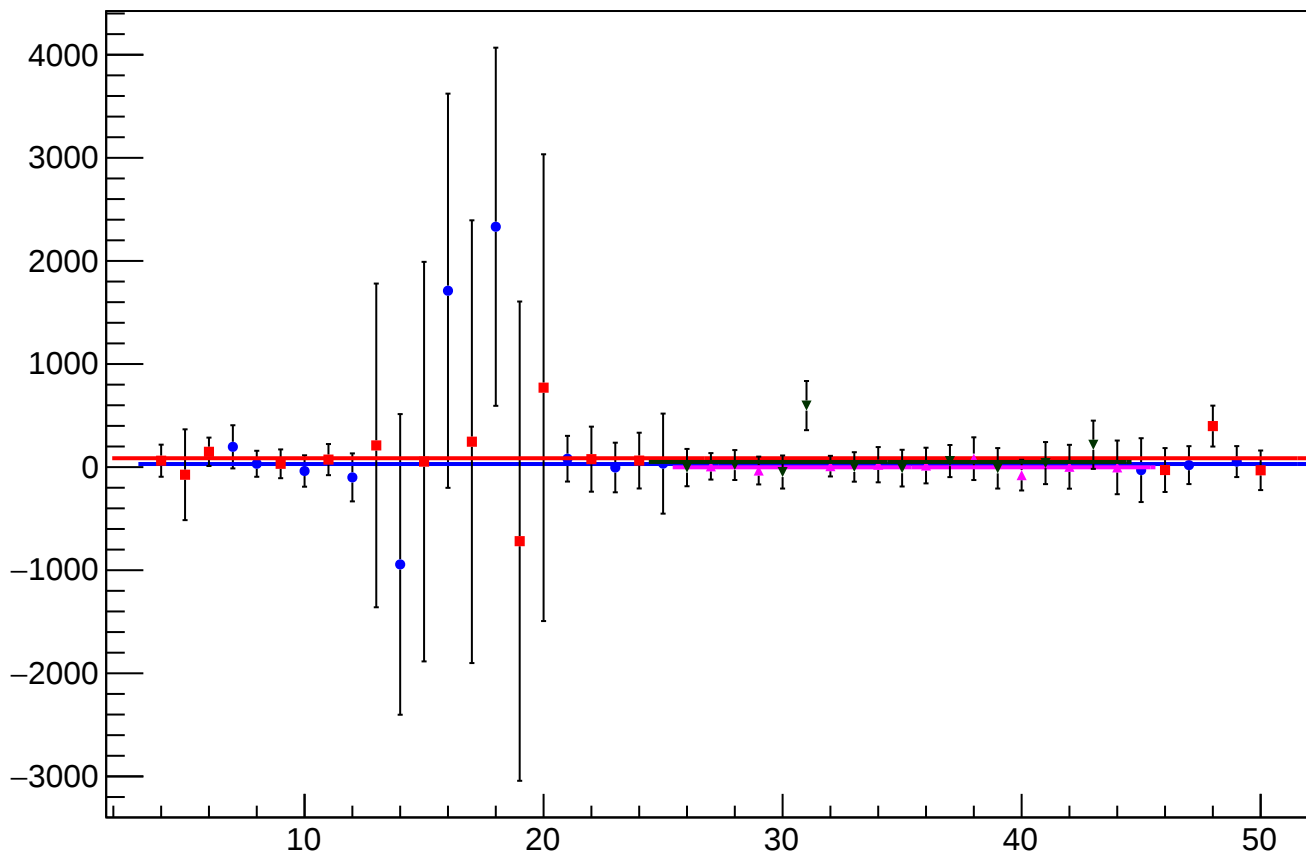
Right Out: 11.641+/-0.004 χ^2/NDF : 6189351.9/14

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

13.899+/-0.003 χ^2/NDF : 6092938.8/22

13.474+/-0.003 χ^2/NDF : 6968648.1/23

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs slug



Right In: 30.089+/-60.356 χ^2/NDF : 4.3/12

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

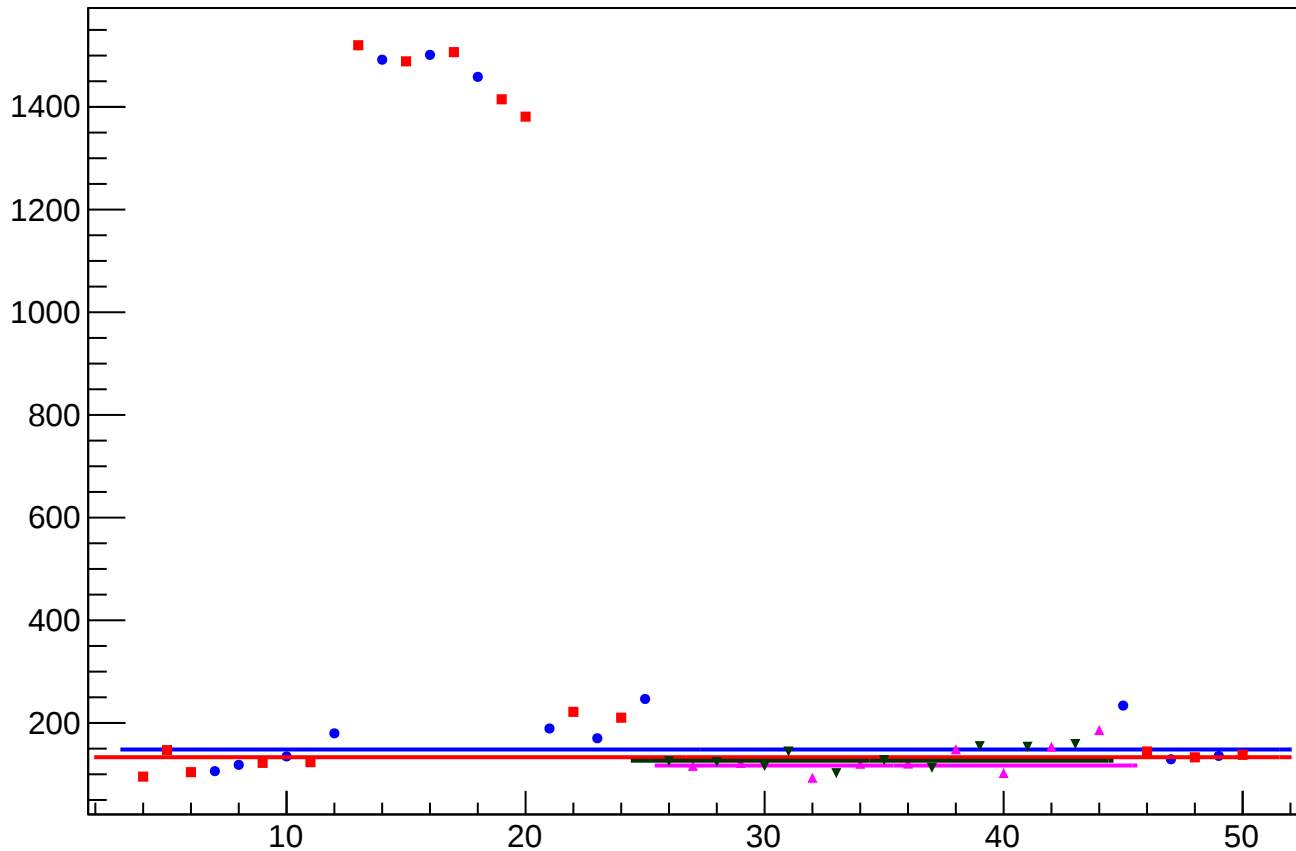
Right Out: 86.157+/-58.332 χ^2/NDF : 3.9/14

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

40.935+/-40.862 χ^2/NDF : 10.9/22

36.117+/-38.278 χ^2/NDF : 5.7/23

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs slug



Right In: 148.316+/-0.043 χ^2/NDF : 4438199.1/12

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

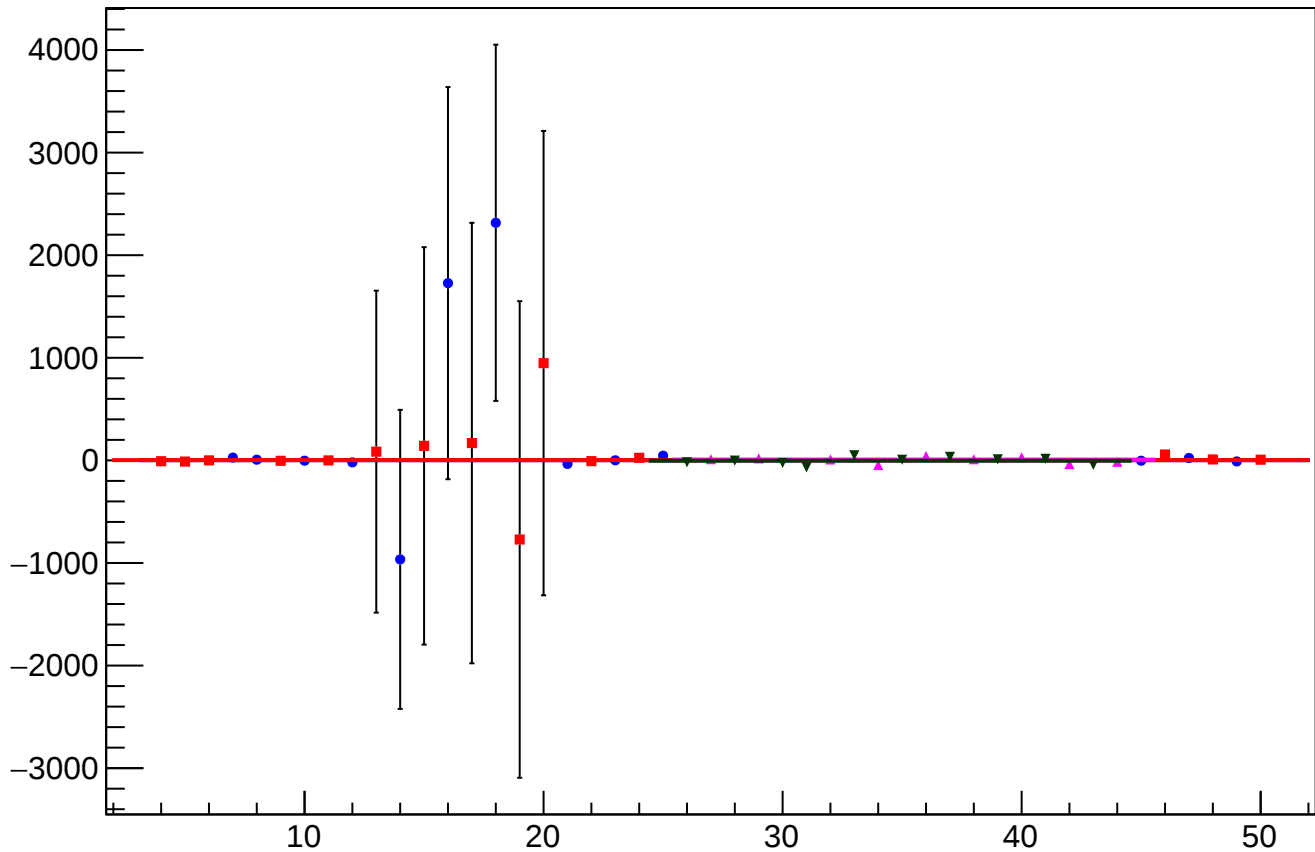
136.498+/-0.029 χ^2/NDF : 4788959.6/22

Right Out: 133.286+/-0.041 χ^2/NDF : 5128533.2/14

124.094+/-0.027 χ^2/NDF : 5600479.7/23

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: 1.959+/-5.004 χ^2/NDF : 11.5/12

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

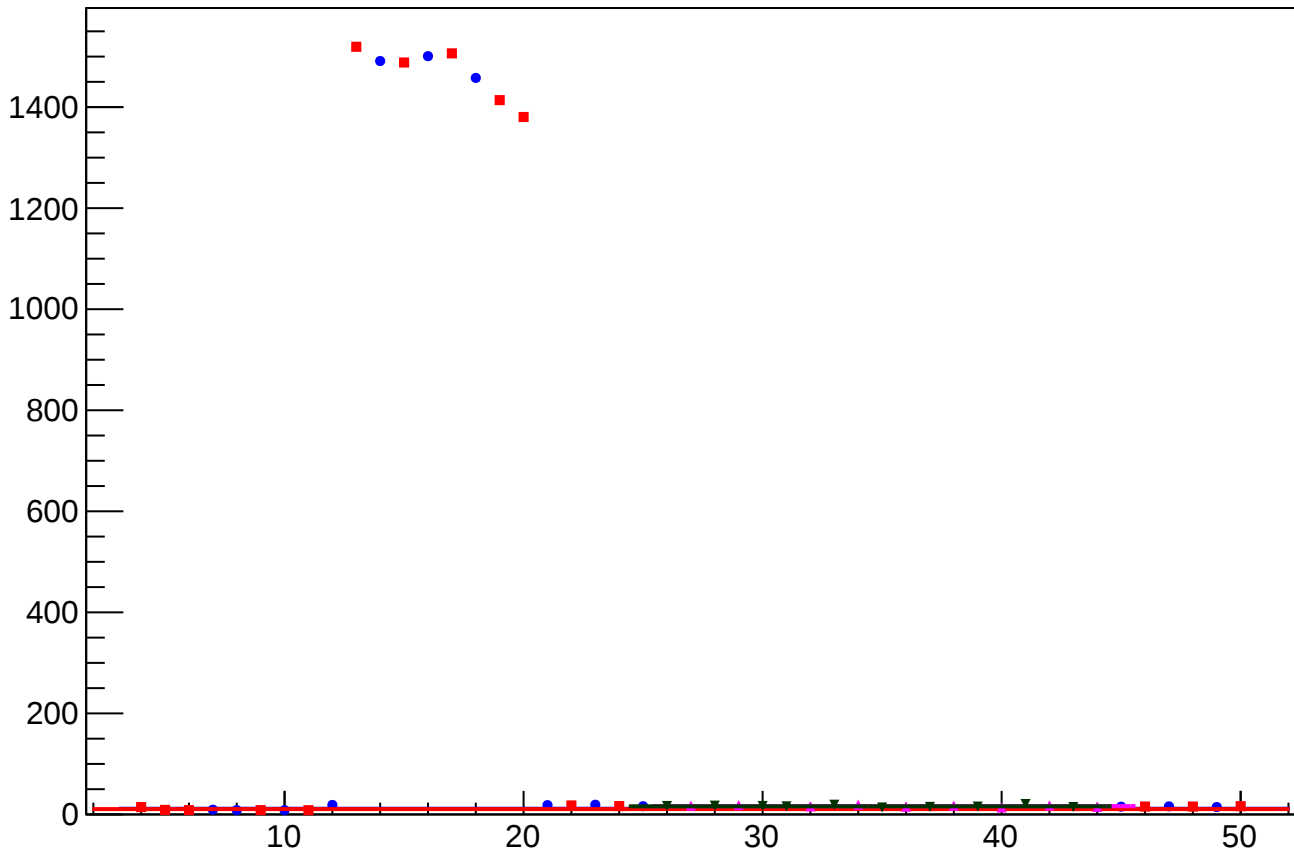
Right Out: 2.651+/-4.979 χ^2/NDF : 8.2/14

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

0.263+/-4.117 χ^2/NDF : 30.0/22

4.254+/-4.105 χ^2/NDF : 19.8/23

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs slug



Right In: 11.282+/-0.004 χ^2/NDF : 5828303.5/12

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

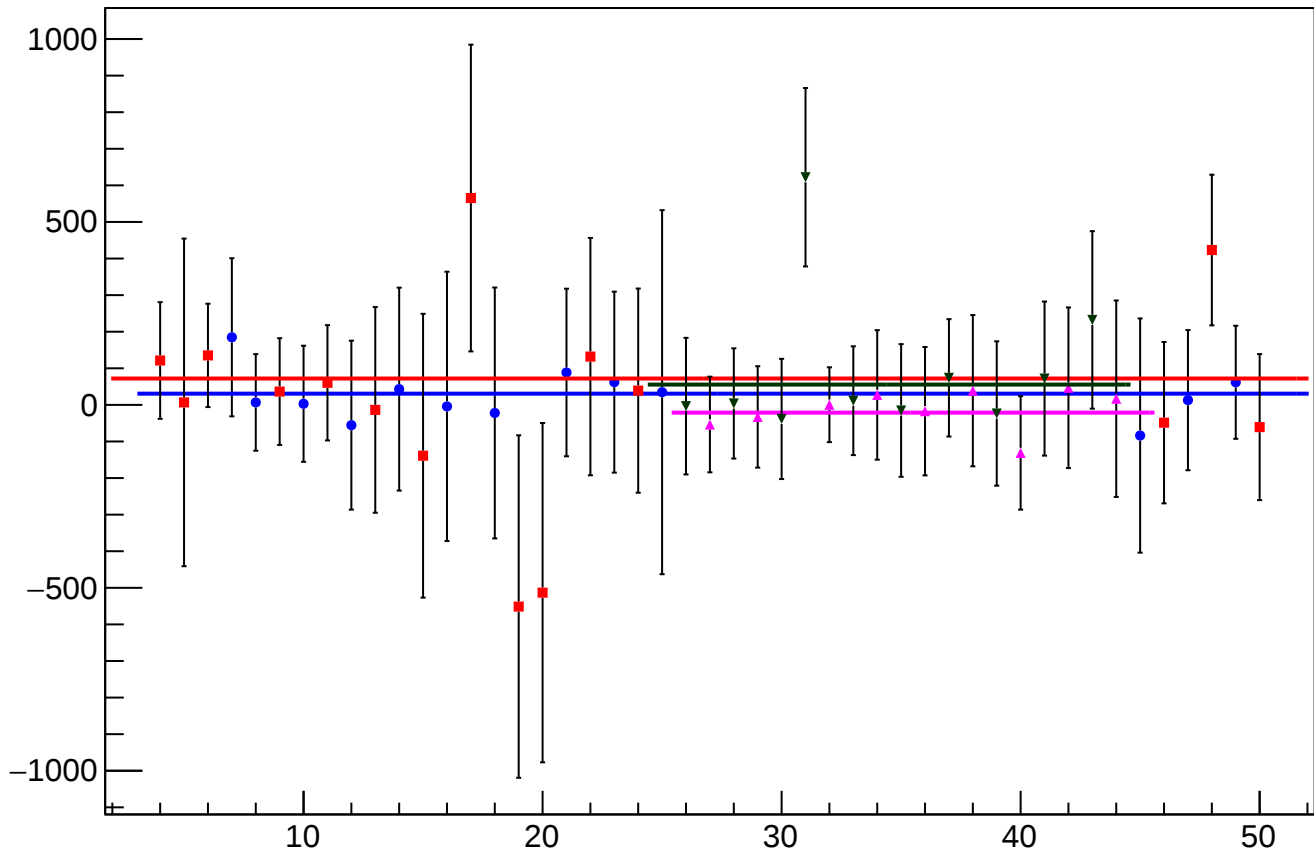
12.850+/-0.003 χ^2/NDF : 6564297.0/22

Right Out: 10.610+/-0.004 χ^2/NDF : 6369258.7/14

12.496+/-0.003 χ^2/NDF : 7368630.4/23

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

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs slug



Right In: 30.696+/-59.287 χ^2/NDF : 1.0/12

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

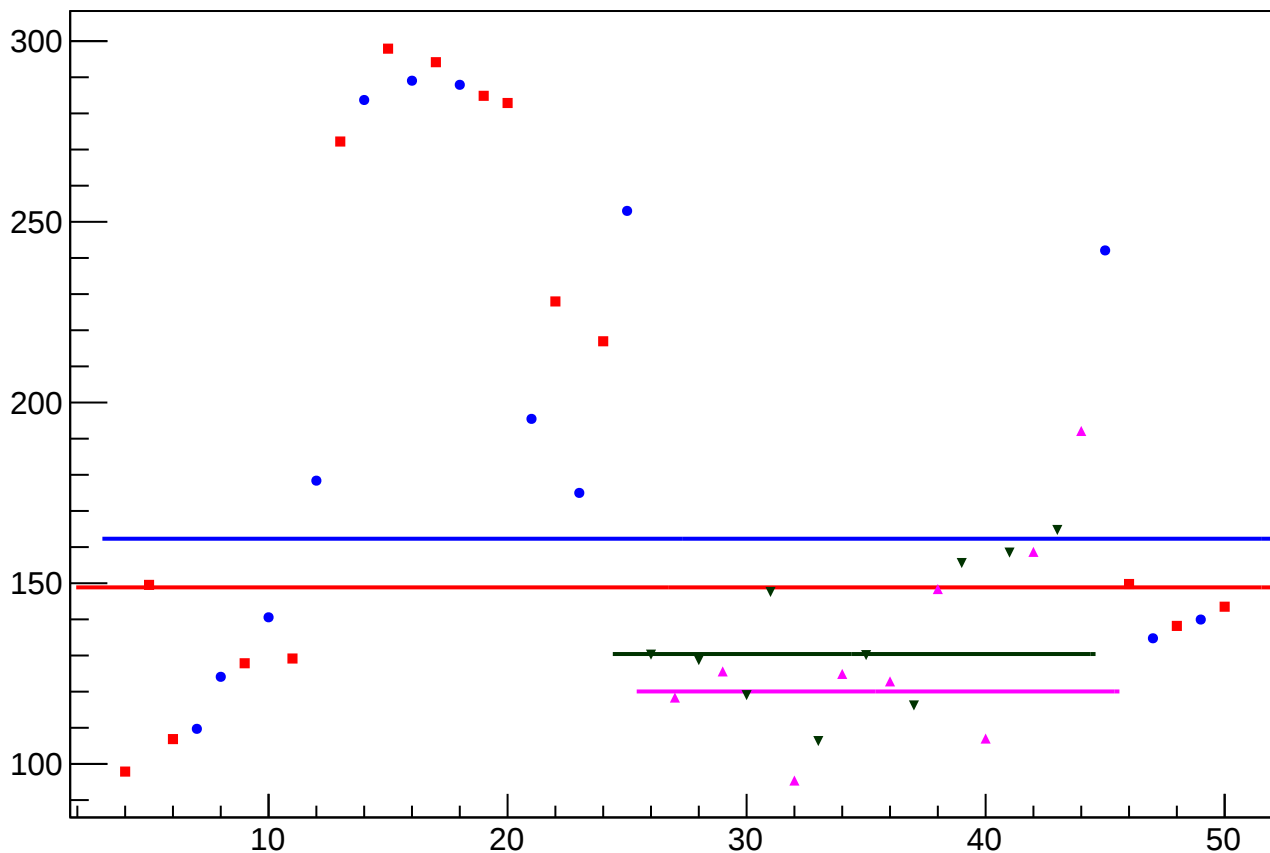
Right Out: 72.073+/-57.030 χ^2/NDF : 9.2/14

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

43.558+/-41.140 χ^2/NDF : 8.0/22

21.128+/-38.411 χ^2/NDF : 11.6/23

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs slug



Right In: 162.314+/-0.042 χ^2/NDF : 1543092.8/12

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

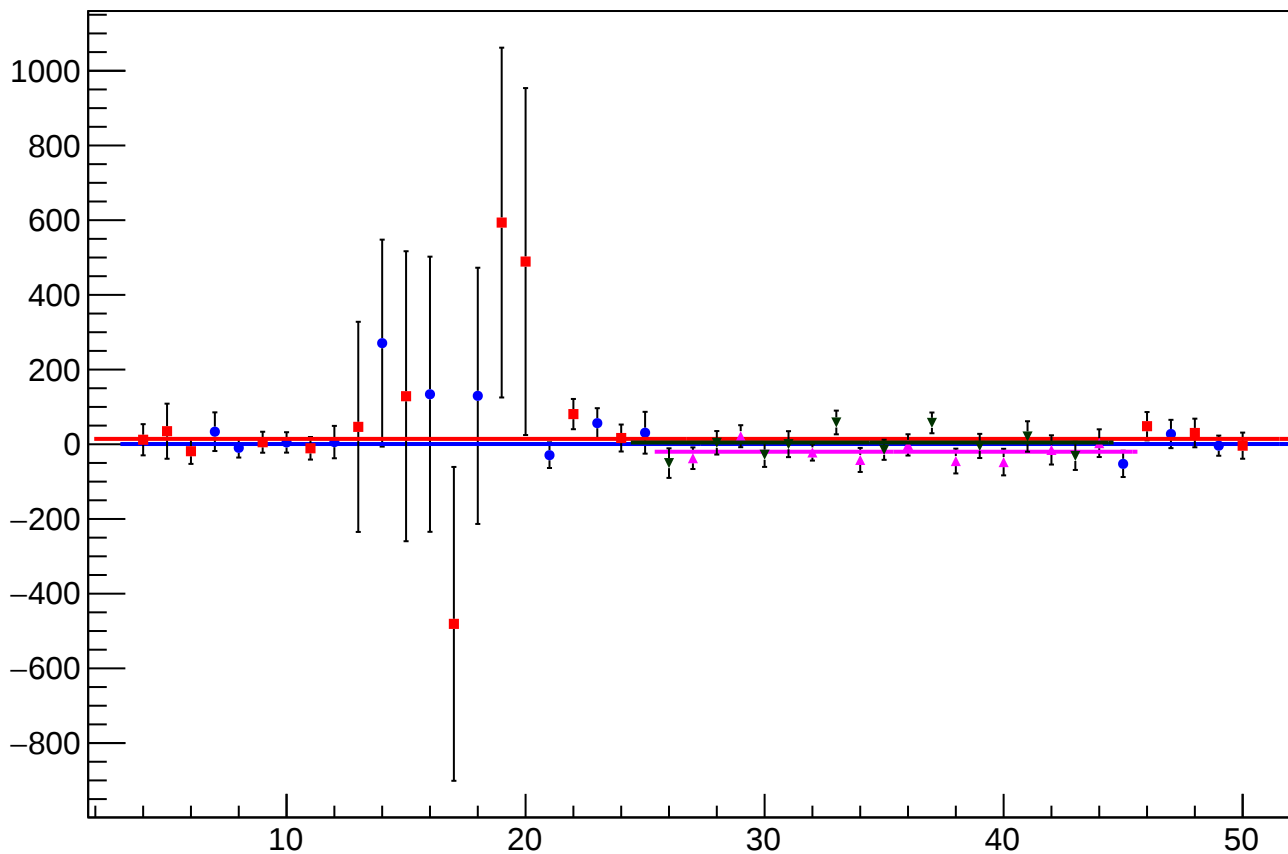
Right Out: 148.853+/-0.040 χ^2/NDF : 1955202.2/14

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

145.773+/-0.029 χ^2/NDF : 2039475.8/22

133.118+/-0.027 χ^2/NDF : 2613425.7/23

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs slug



Right In: 0.693 $\pm$ 10.893 χ^2 /NDF: 7.6/12

Left Out: 4.706 $\pm$ 10.341 χ^2 /NDF:11.1/9

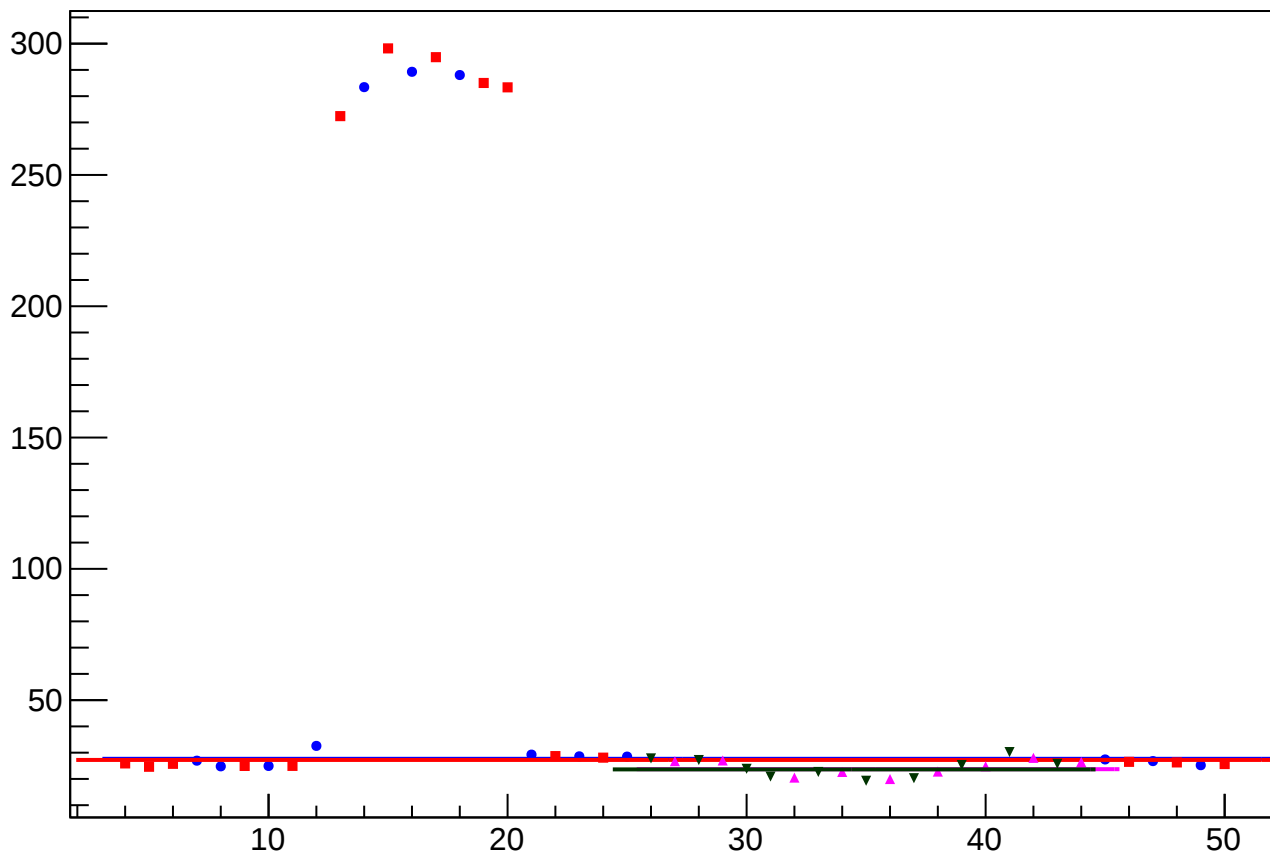
2.803 $\pm$ 7.500 χ^2 /NDF: 18.8/22

Right Out: 14.428 $\pm$ 11.477 χ^2 /NDF: 9.8/14

-4.894 $\pm$ 7.600 χ^2 /NDF: 19.7/23

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

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs slug



Right In: 27.659+/-0.008 χ^2/NDF : 3959662.1/12

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

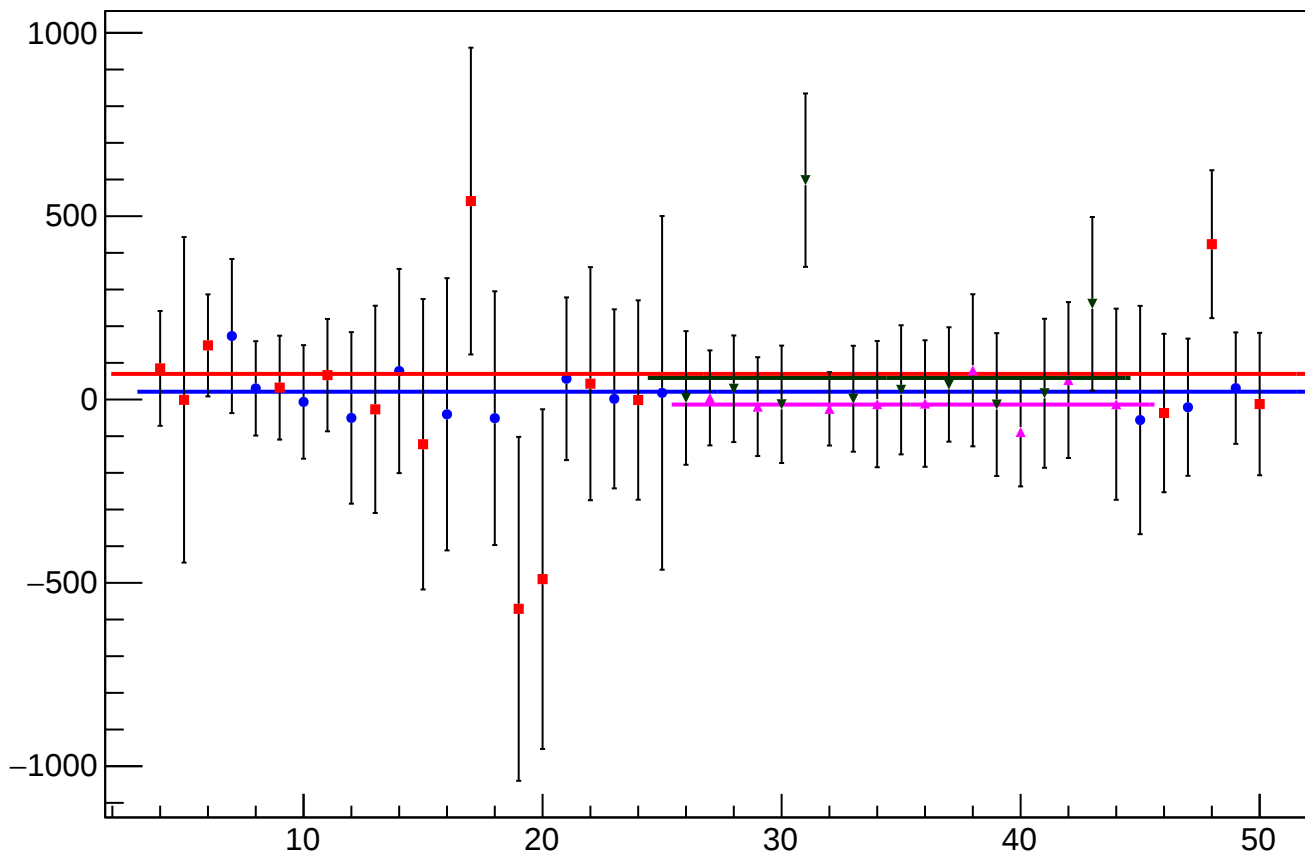
Right Out: 27.233+/-0.008 χ^2/NDF : 4561296.9/14

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

25.539+/-0.005 χ^2/NDF : 4311113.1/22

25.255+/-0.005 χ^2/NDF : 4832970.8/23

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs slug



Right In: 21.273+/-58.214 χ^2/NDF : 0.9/12

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

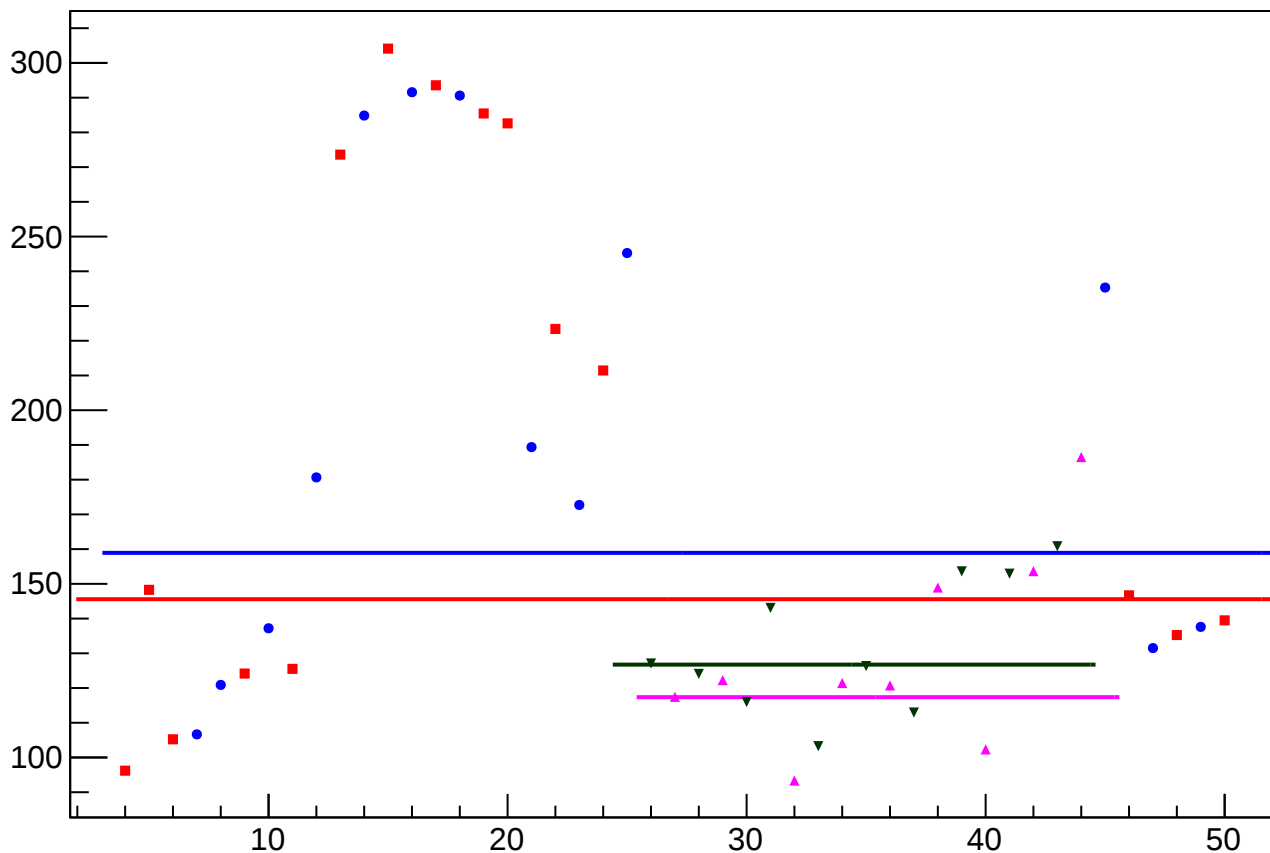
Right Out: 69.897+/-55.927 χ^2/NDF : 8.9/14

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

40.918+/-40.190 χ^2/NDF : 7.8/22

24.087+/-37.607 χ^2/NDF : 10.8/23

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs slug



Right In: 158.928 $\pm$ 0.041 χ^2 /NDF: 1619800.9/12

Left Out: 126.741 $\pm$ 0.039 χ^2 /NDF: 200512.0/9

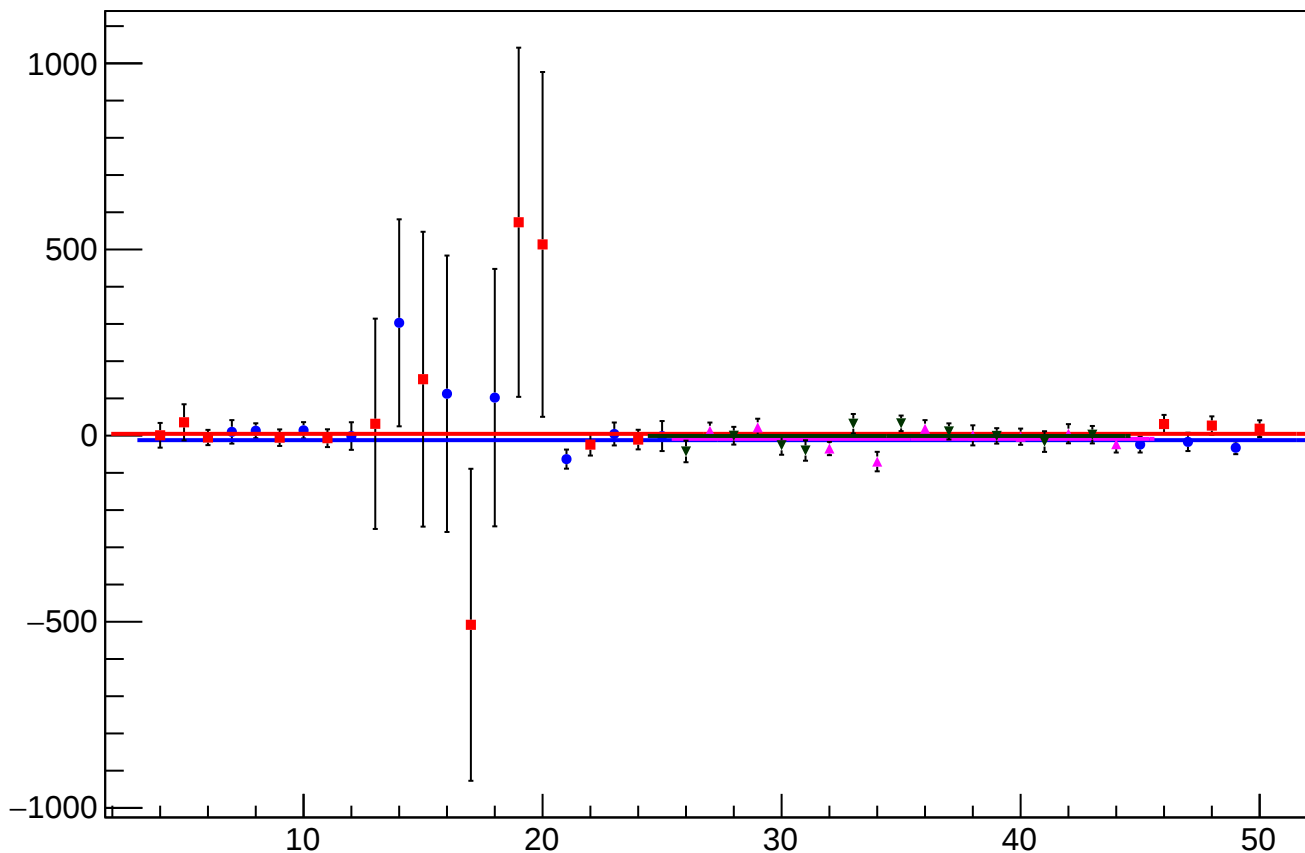
142.082 $\pm$ 0.028 χ^2 /NDF: 2140332.7/22

Right Out: 145.577 $\pm$ 0.040 χ^2 /NDF: 2025710.2/14

130.125 $\pm$ 0.027 χ^2 /NDF: 2689927.4/23

Left In: 117.371 $\pm$ 0.036 χ^2 /NDF: 385529.6/8

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs slug



Right In: -12.168+/-7.740 χ^2/NDF : 11.2/12

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

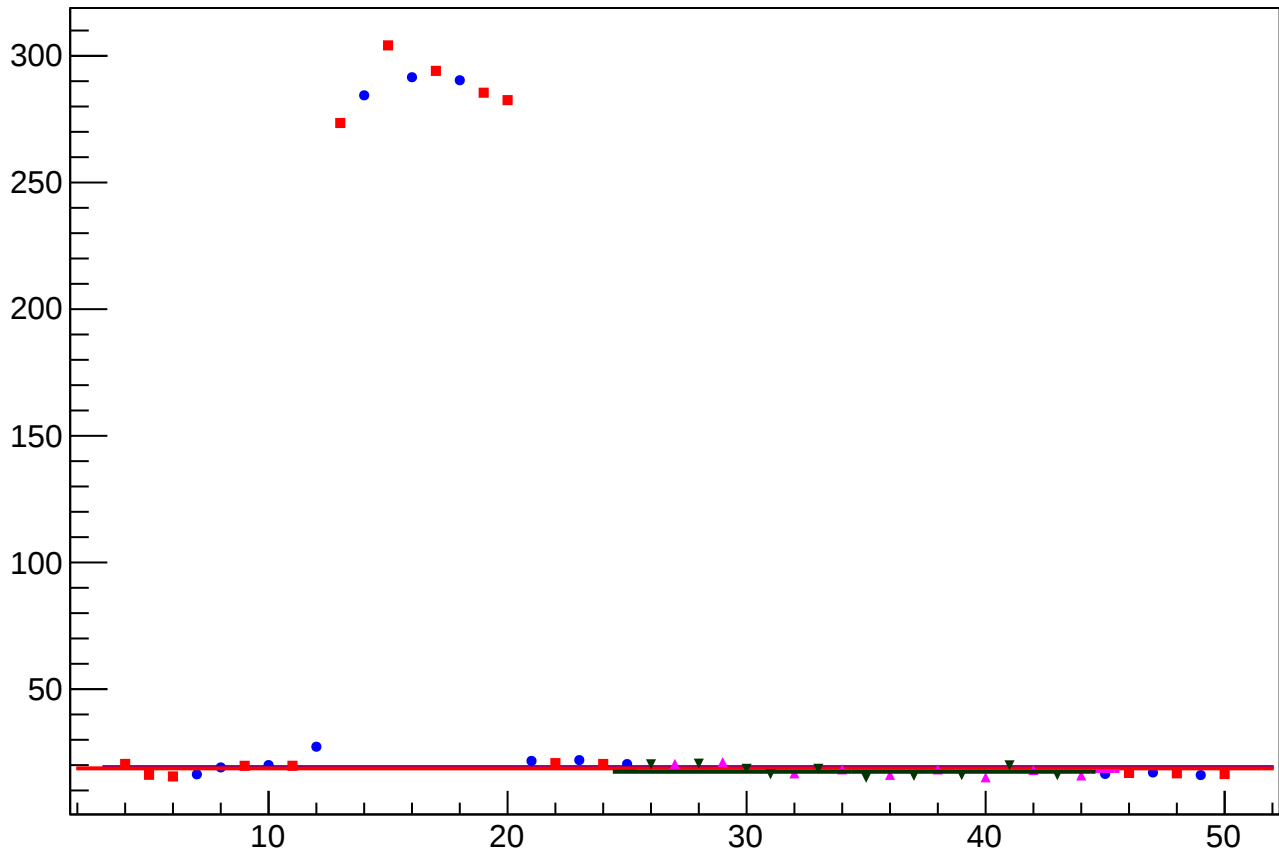
Right Out: 4.785+/-8.064 χ^2/NDF : 9.1/14

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

-6.454+/-5.436 χ^2/NDF : 22.1/22

-2.315+/-5.532 χ^2/NDF : 23.0/23

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs slug



Right In: 19.188+/-0.005 χ^2/NDF : 4388294.8/12

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

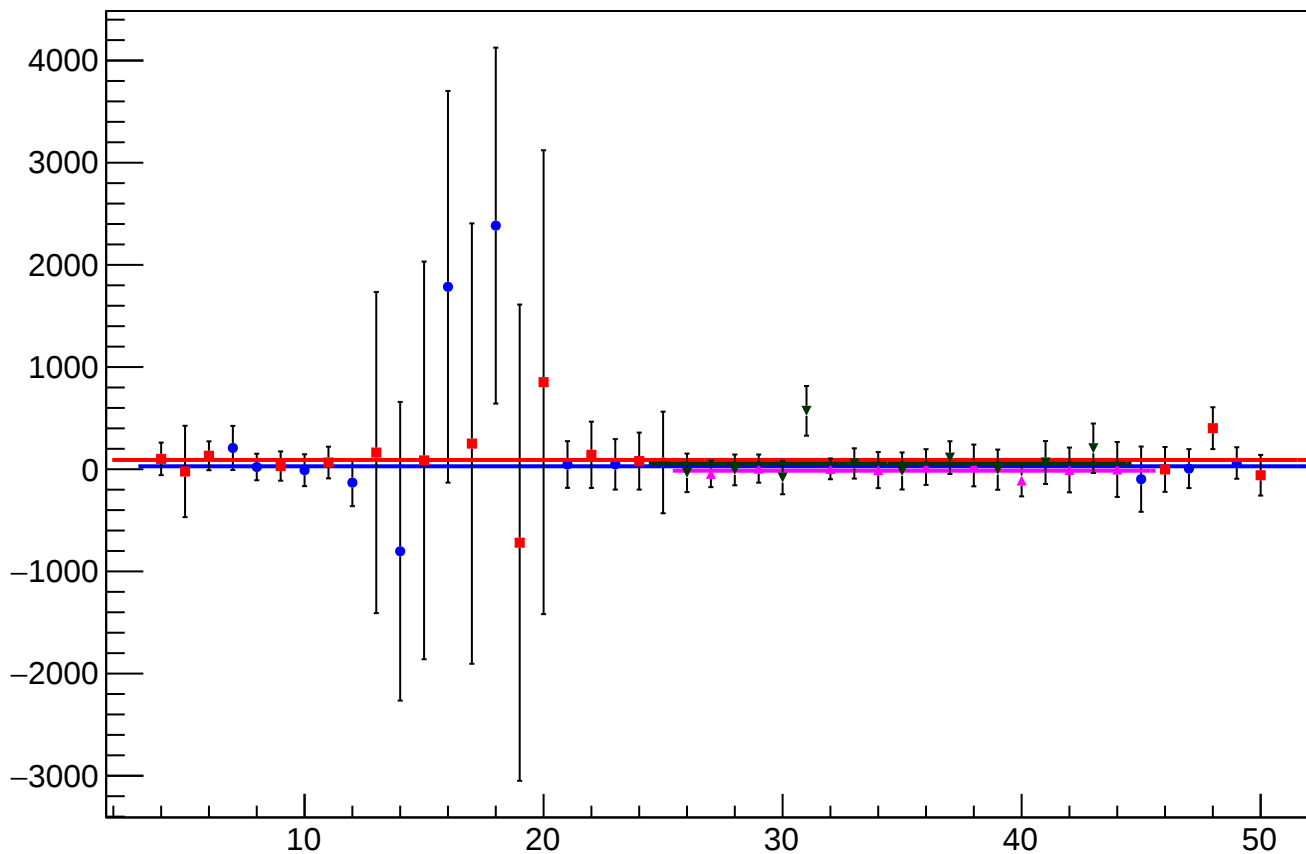
Right Out: 18.727+/-0.006 χ^2/NDF : 4954145.1/14

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

18.273+/-0.004 χ^2/NDF : 4579681.2/22

18.181+/-0.004 χ^2/NDF : 5105479.1/23

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs slug



Right In: 28.823+/-61.925 χ^2/NDF : 4.5/12

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

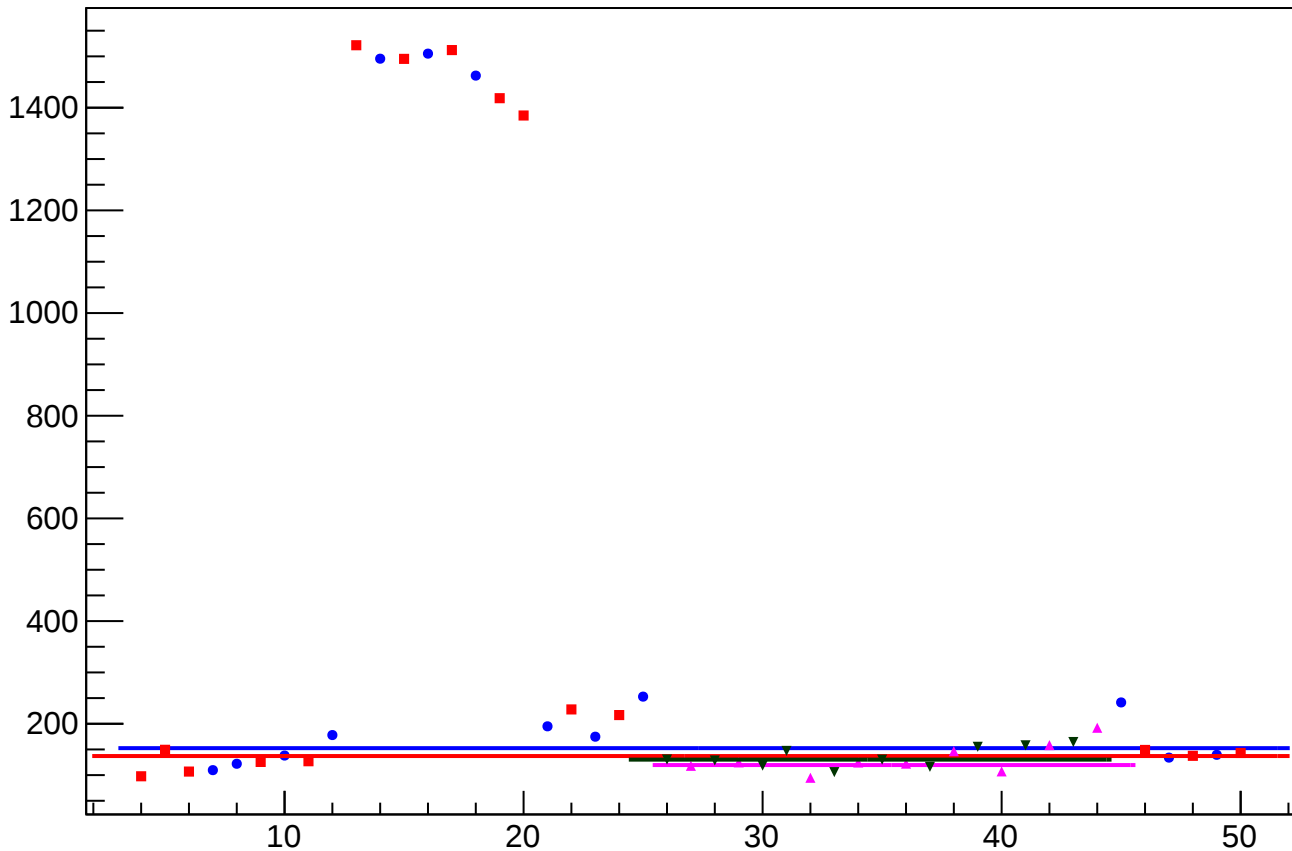
Right Out: 91.001+/-59.954 χ^2/NDF : 3.7/14

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

42.663+/-41.962 χ^2/NDF : 10.9/22

30.601+/-39.185 χ^2/NDF : 6.0/23

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs slug



Right In: 152.517+/-0.044 χ^2/NDF : 4400967.9/12

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

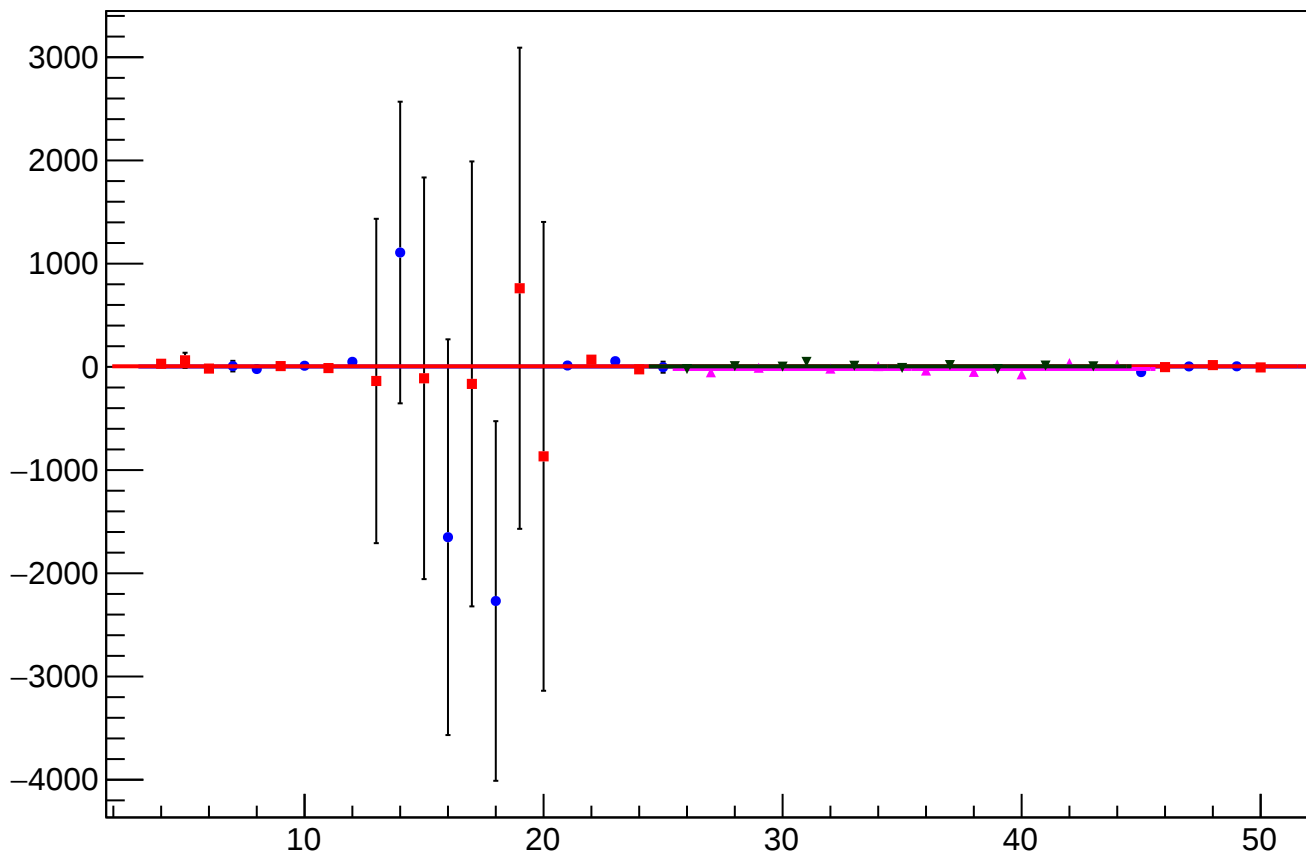
140.417+/-0.030 χ^2/NDF : 4739283.5/22

Right Out: 137.147+/-0.042 χ^2/NDF : 5114129.6/14

127.090+/-0.028 χ^2/NDF : 5593069.5/23

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: 3.338 $\pm$ 10.562 χ^2 /NDF: 9.7/12

Left Out: 5.137 $\pm$ 9.787 χ^2 /NDF: 3.6/9

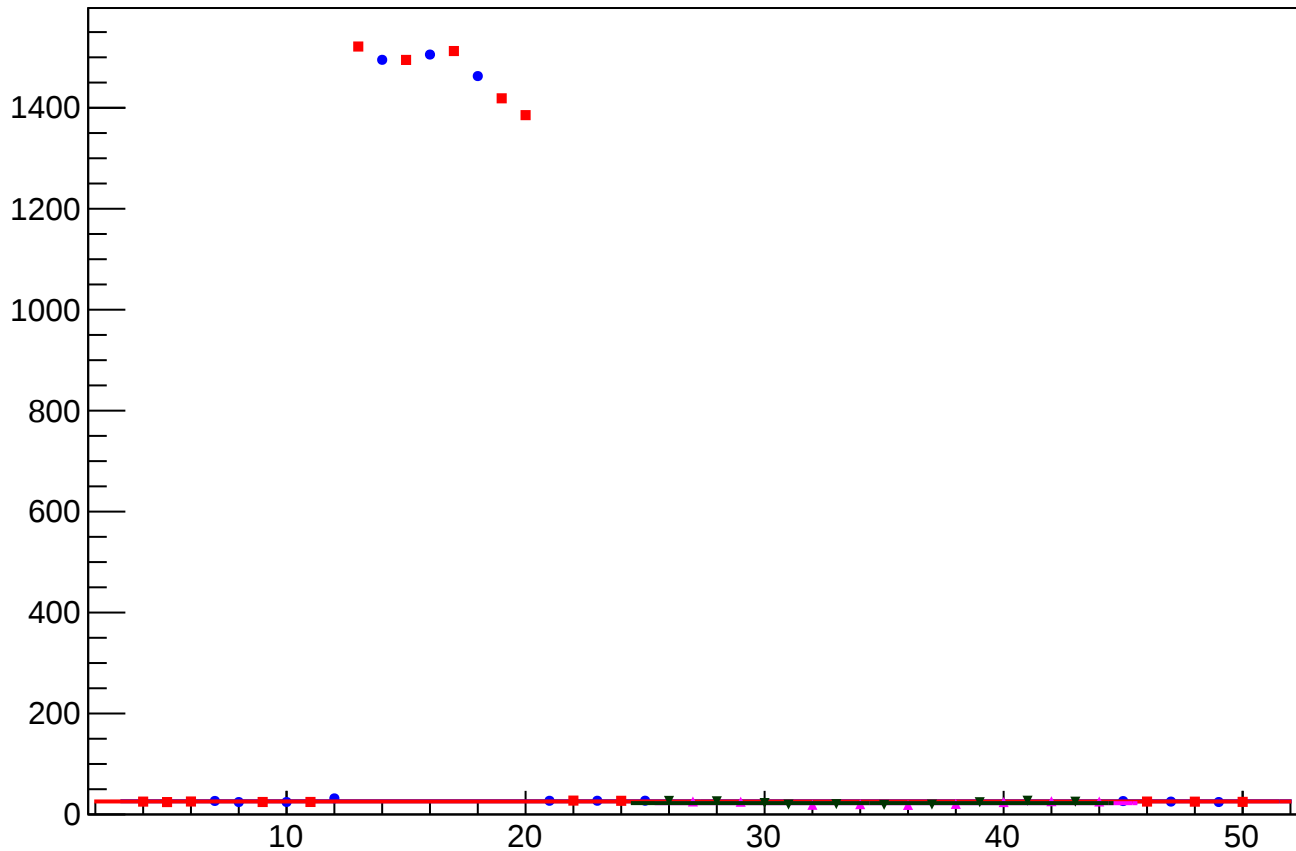
Right Out: 5.653 $\pm$ 11.225 χ^2 /NDF: 5.8/14

Left In: -20.467 $\pm$ 9.485 χ^2 /NDF: 9.8/8

4.306 $\pm$ 7.179 χ^2 /NDF: 13.3/22

-9.586 $\pm$ 7.245 χ^2 /NDF: 18.7/23

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs slug



Right In: 26.174+/-0.007 χ^2/NDF : 4633811.8/12

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

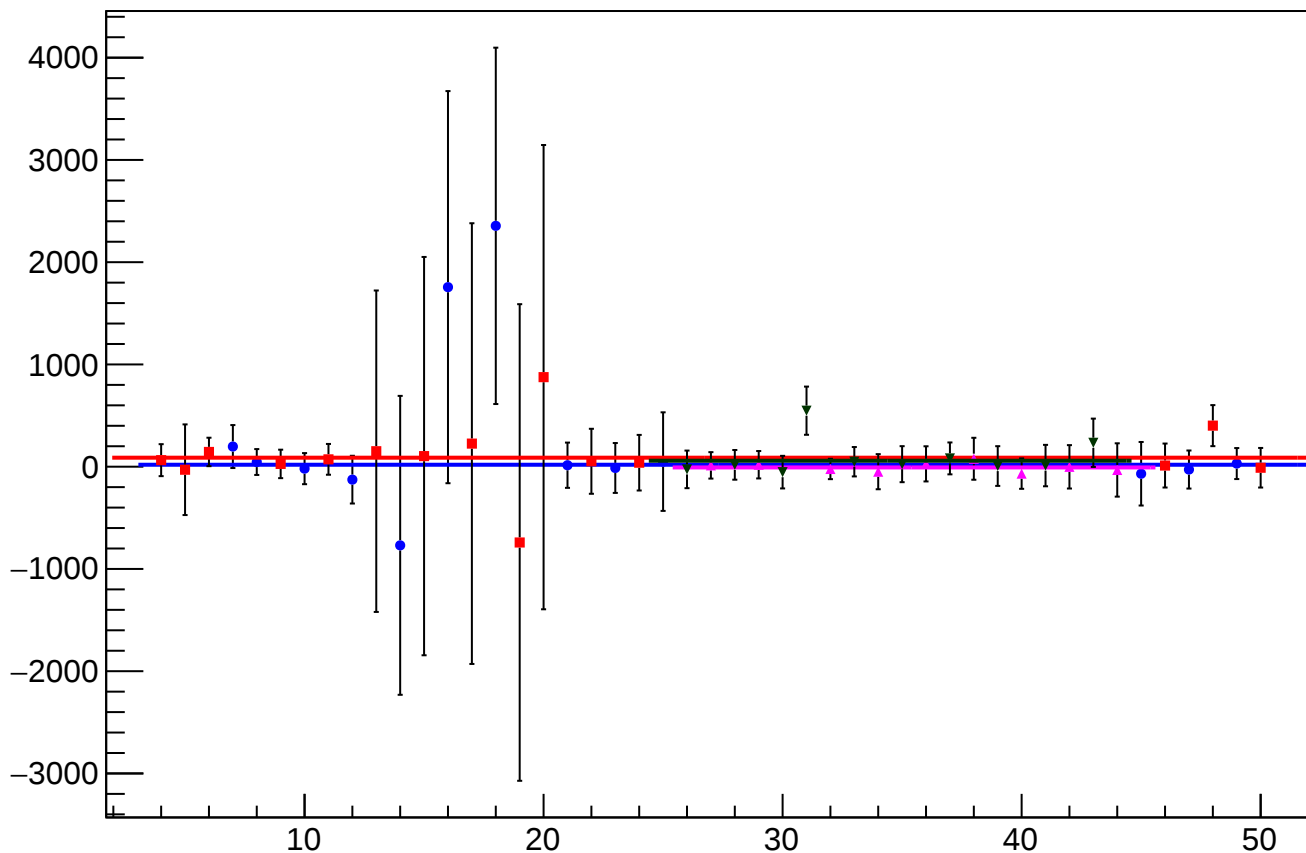
Right Out: 25.738+/-0.008 χ^2/NDF : 5348852.1/14

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

24.180+/-0.005 χ^2/NDF : 4958824.5/22

23.729+/-0.005 χ^2/NDF : 5652653.5/23

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs slug



Right In: 19.015+/-60.622 χ^2/NDF : 4.3/12

Left Out: 58.282+/-55.472 χ^2/NDF : 5.8/9

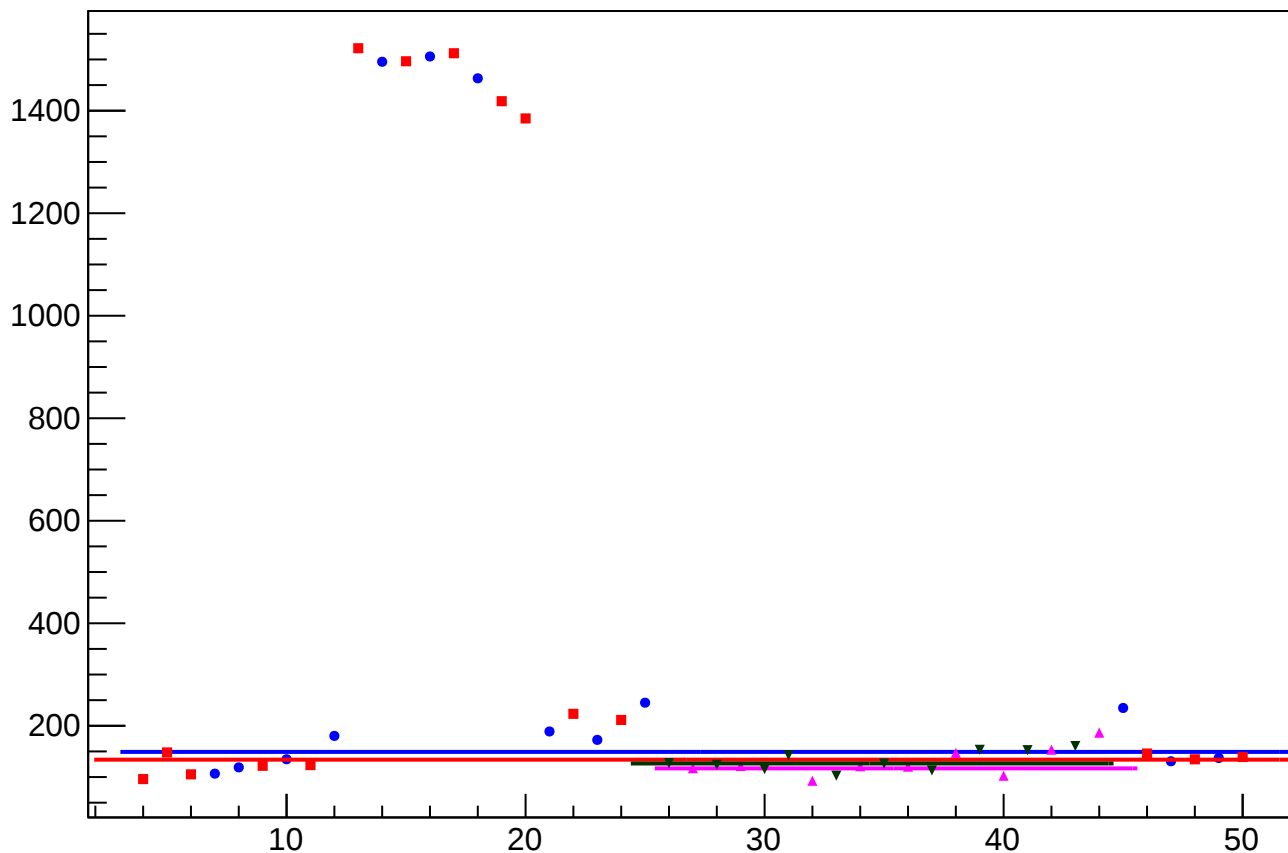
Right Out: 88.064+/-58.599 χ^2/NDF : 3.6/14

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

40.387+/-40.924 χ^2/NDF : 10.4/22

33.423+/-38.305 χ^2/NDF : 5.6/23

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs slug



Right In: 149.068 ± 0.043 χ^2/NDF : 4431497.6/12

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

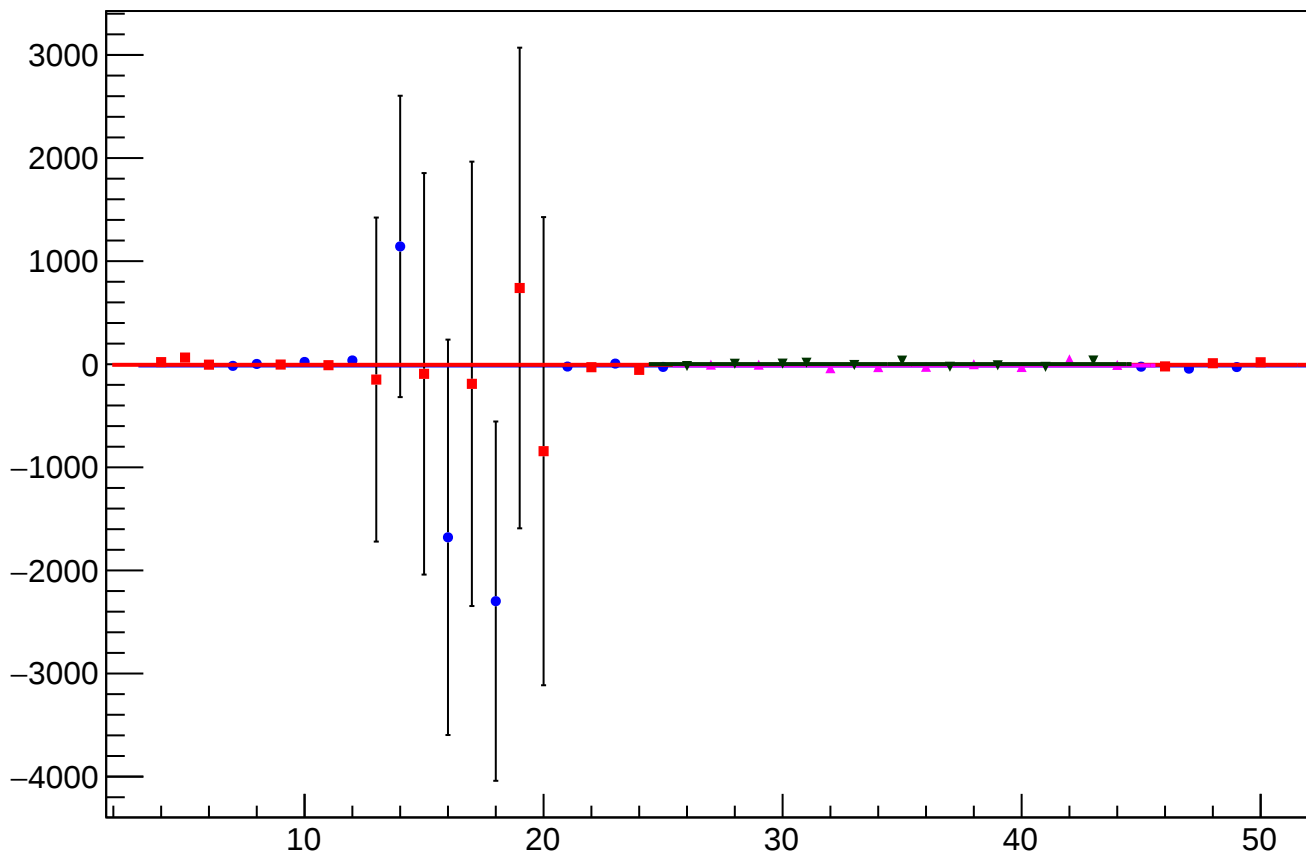
Right Out: 133.932 ± 0.041 χ^2/NDF : 5128880.5/14

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

136.764 ± 0.029 χ^2/NDF : 4784511.8/22

124.182 ± 0.027 χ^2/NDF : 5612081.5/23

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs slug



Right In: -12.133+/-7.302 χ^2/NDF : 12.1/12

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

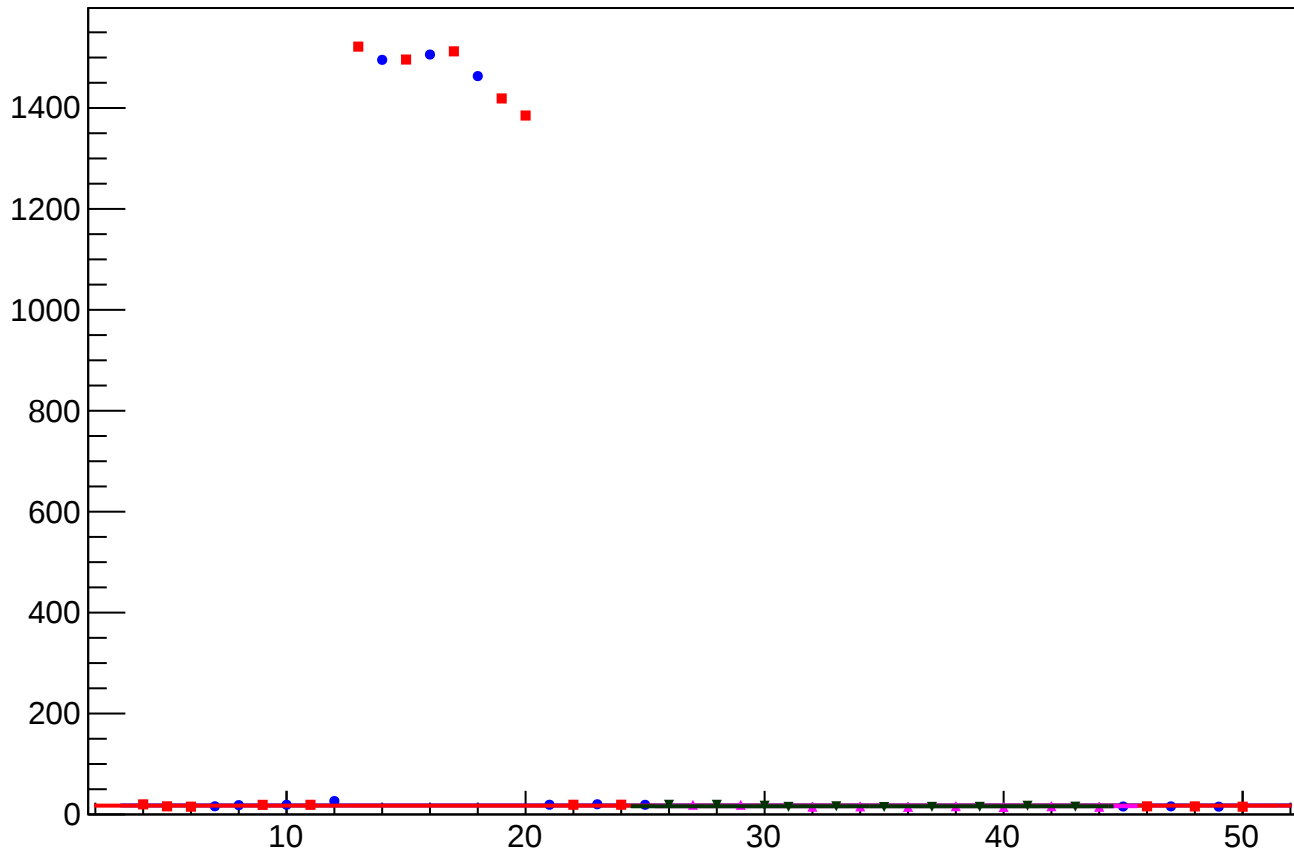
Right Out: -5.501+/-7.695 χ^2/NDF : 10.0/14

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

-5.126+/-5.072 χ^2/NDF : 23.3/22

-9.083+/-5.158 χ^2/NDF : 21.8/23

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs slug



Right In: 17.872+/-0.005 χ^2/NDF : 4858754.5/12

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

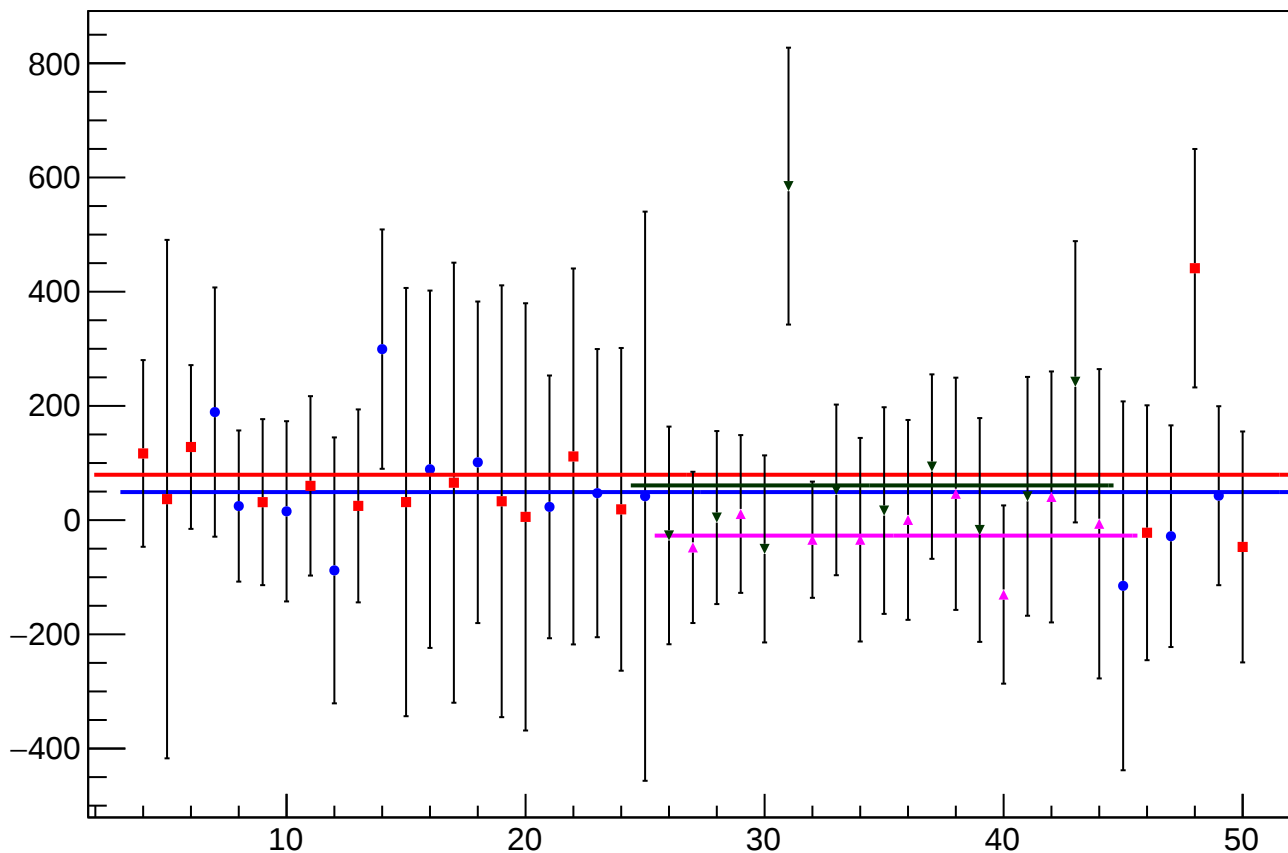
Right Out: 17.489+/-0.005 χ^2/NDF : 5505232.9/14

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

17.017+/-0.004 χ^2/NDF : 5008911.1/22

16.879+/-0.004 χ^2/NDF : 5632405.2/23

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs slug



Right In: 49.113+/-57.951 χ^2/NDF : 2.7/12

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

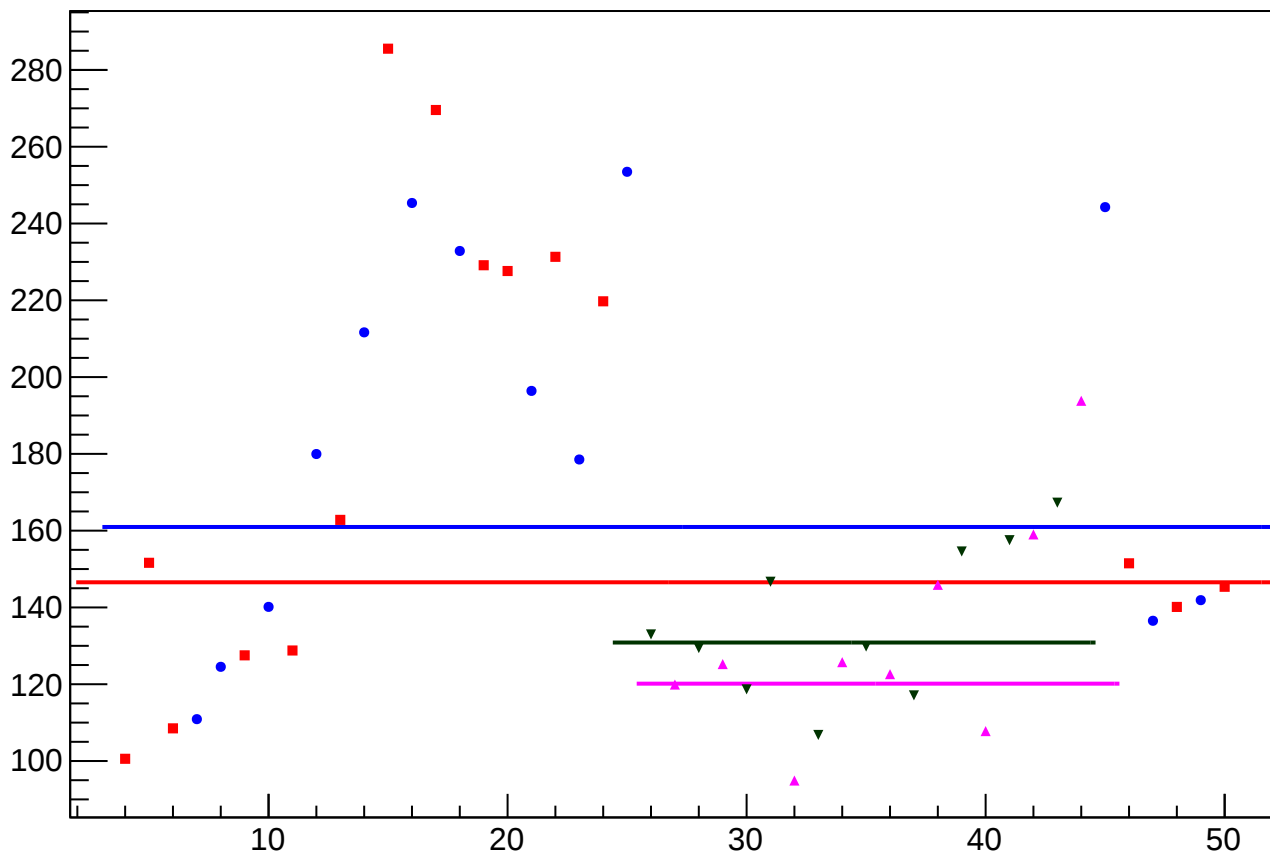
Right Out: 79.457+/-54.963 χ^2/NDF : 4.1/14

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

55.008+/-40.749 χ^2/NDF : 9.1/22

23.234+/-37.777 χ^2/NDF : 6.9/23

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs slug



Right In: 160.959+/-0.041 χ^2/NDF : 1018203.6/12

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

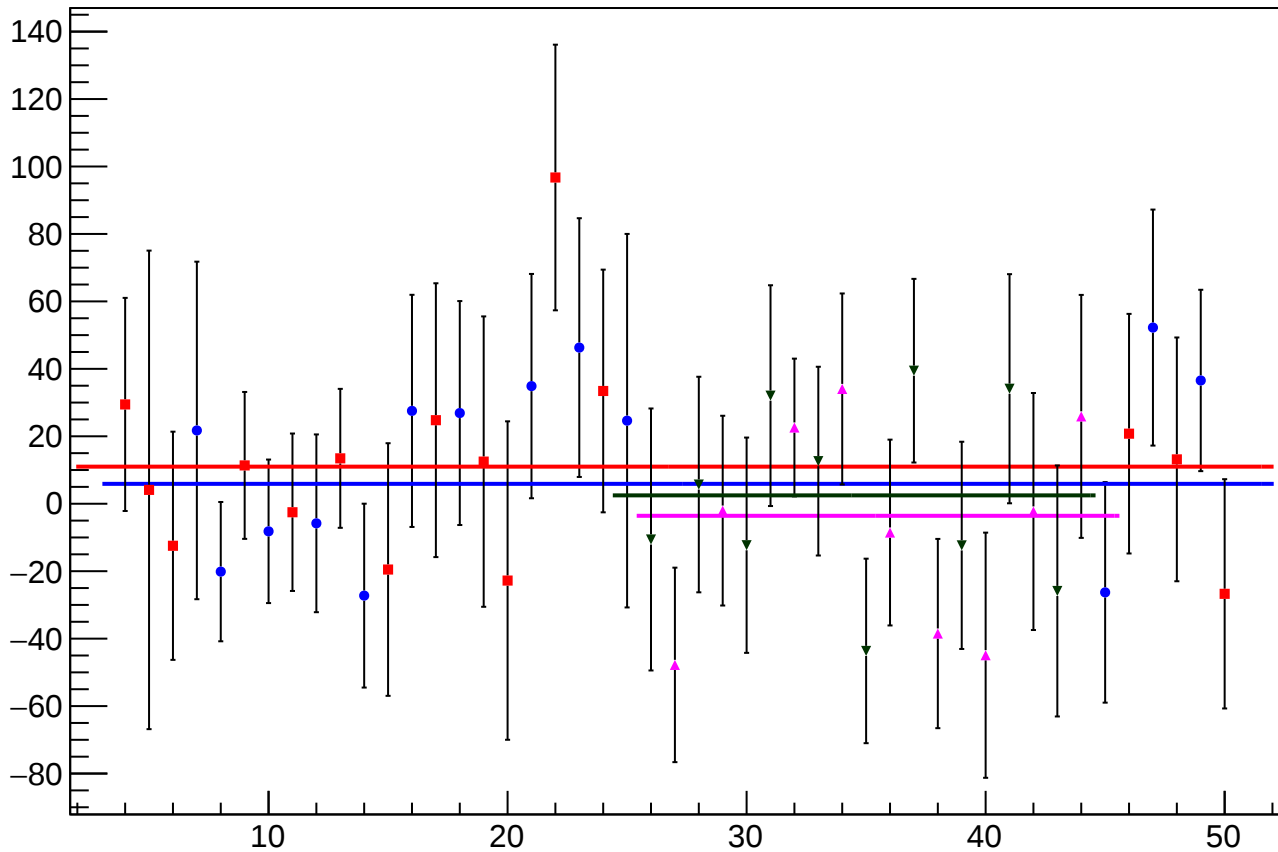
145.743+/-0.029 χ^2/NDF : 1483035.9/22

Right Out: 146.551+/-0.039 χ^2/NDF : 1315340.5/14

132.620+/-0.027 χ^2/NDF : 1942114.9/23

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: 5.899 ± 8.295 $\chi^2/\text{NDF}: 10.6/12$

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

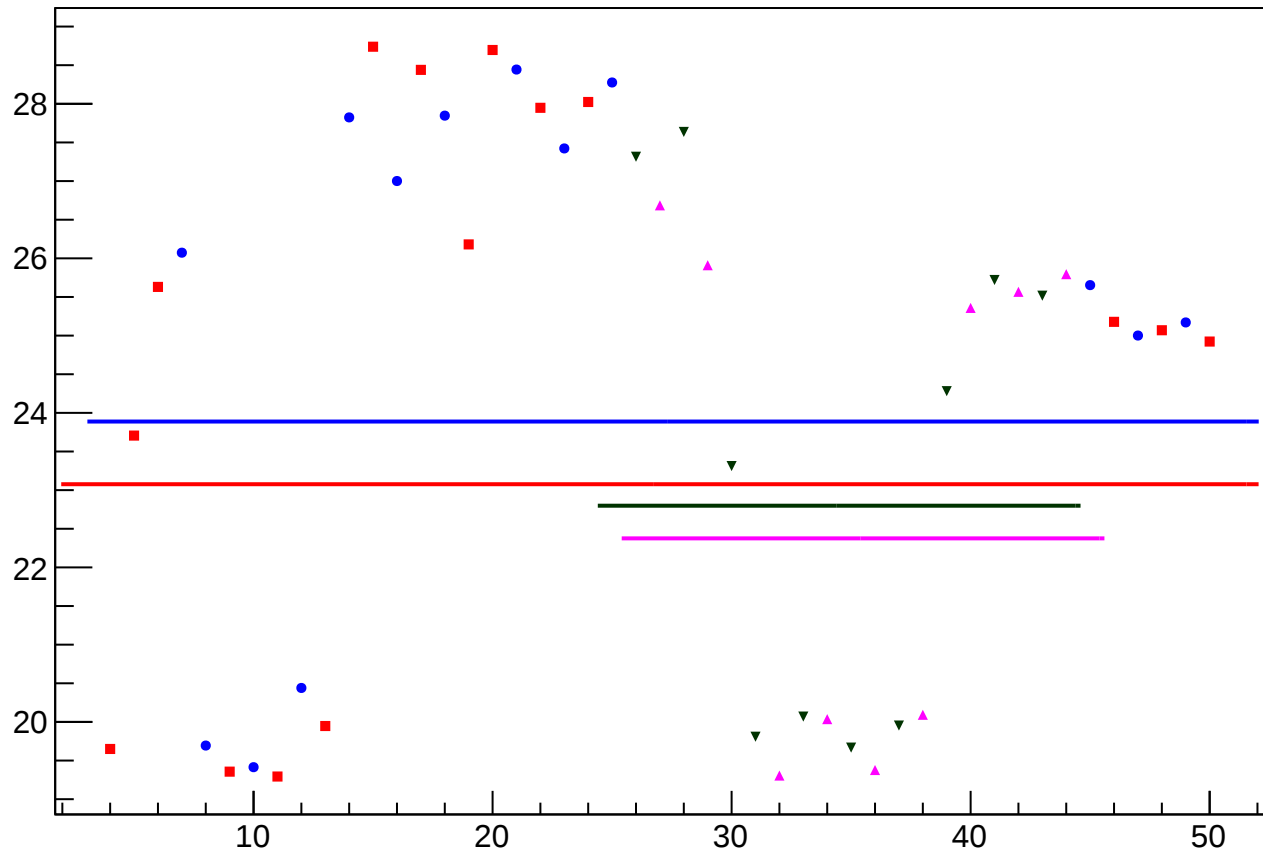
Right Out: 11.000 ± 8.298 $\chi^2/\text{NDF}: 8.9/14$

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

4.492 ± 6.363 $\chi^2/\text{NDF}: 18.3/22$

4.707 ± 6.255 $\chi^2/\text{NDF}: 19.5/23$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs slug



Right In: 23.888 $\pm$ 0.006 χ^2/NDF : 374866.6/12

Left Out: 22.798 $\pm$ 0.007 χ^2/NDF : 187251.4/9

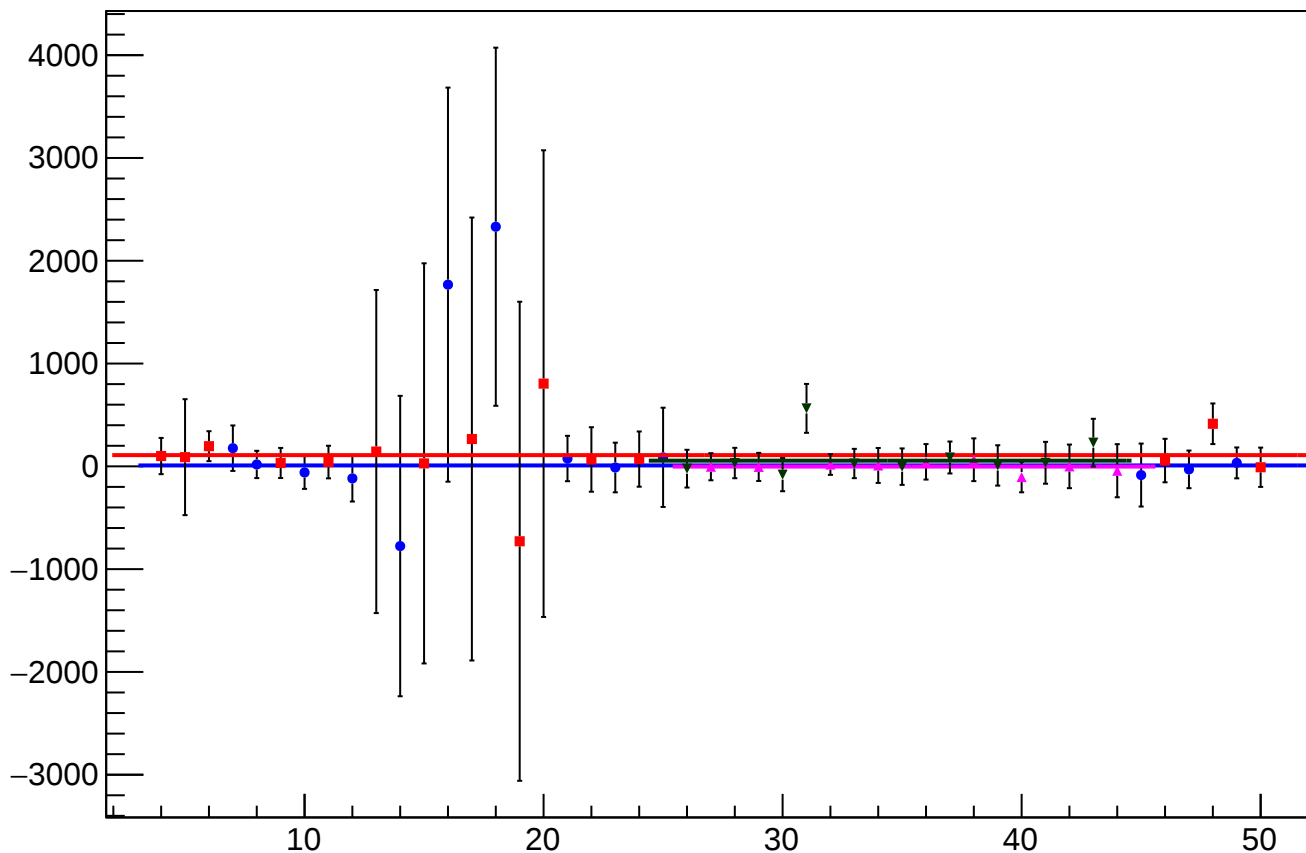
Right Out: 23.077 $\pm$ 0.006 χ^2/NDF : 398854.7/14

Left In: 22.376 $\pm$ 0.007 χ^2/NDF : 220033.6/8

23.439 $\pm$ 0.004 χ^2/NDF : 576317.9/22

22.774 $\pm$ 0.004 χ^2/NDF : 625050.6/23

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs slug



Right In: 8.822 $\pm$ 61.525 χ^2 /NDF: 4.3/12

Left Out: 55.403 $\pm$ 55.677 χ^2 /NDF:6.3/9

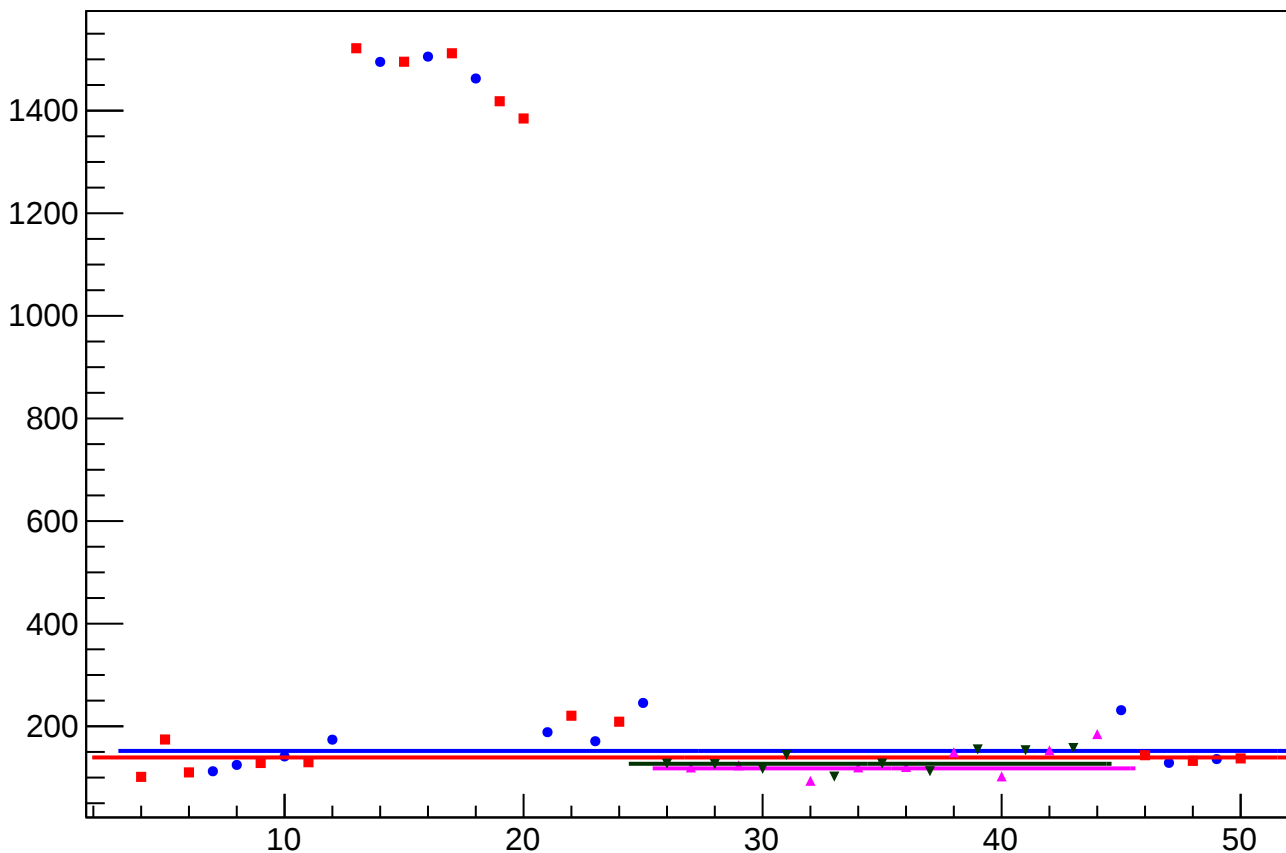
Right Out: 109.058 $\pm$ 60.908 χ^2 /NDF: 3.9/14

Left In: -2.215 $\pm$ 51.031 χ^2 /NDF:0.7/8

34.431 $\pm$ 41.283 χ^2 /NDF: 10.9/22

43.679 $\pm$ 39.117 χ^2 /NDF: 6.6/23

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs slug



Right In: 151.962+/-0.044 χ^2/NDF : 4327133.2/12

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

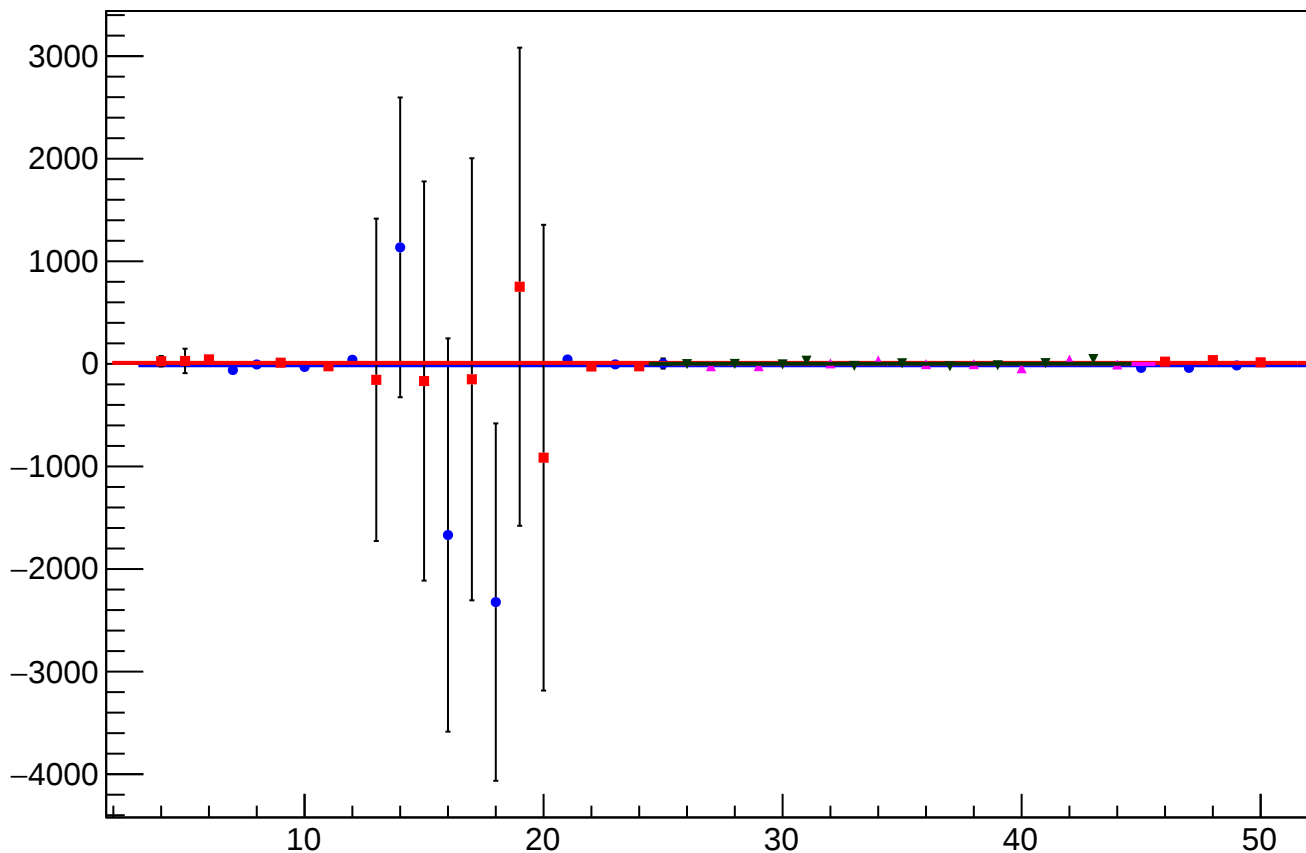
Right Out: 139.229+/-0.043 χ^2/NDF : 5005218.1/14

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

138.183+/-0.029 χ^2/NDF : 4715709.7/22

126.722+/-0.028 χ^2/NDF : 5525710.6/23

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs slug



Right In: -13.500 $\pm$ 9.454 χ^2 /NDF: 11.5/12

Left Out: 1.170 $\pm$ 9.255 χ^2 /NDF: 5.3/9

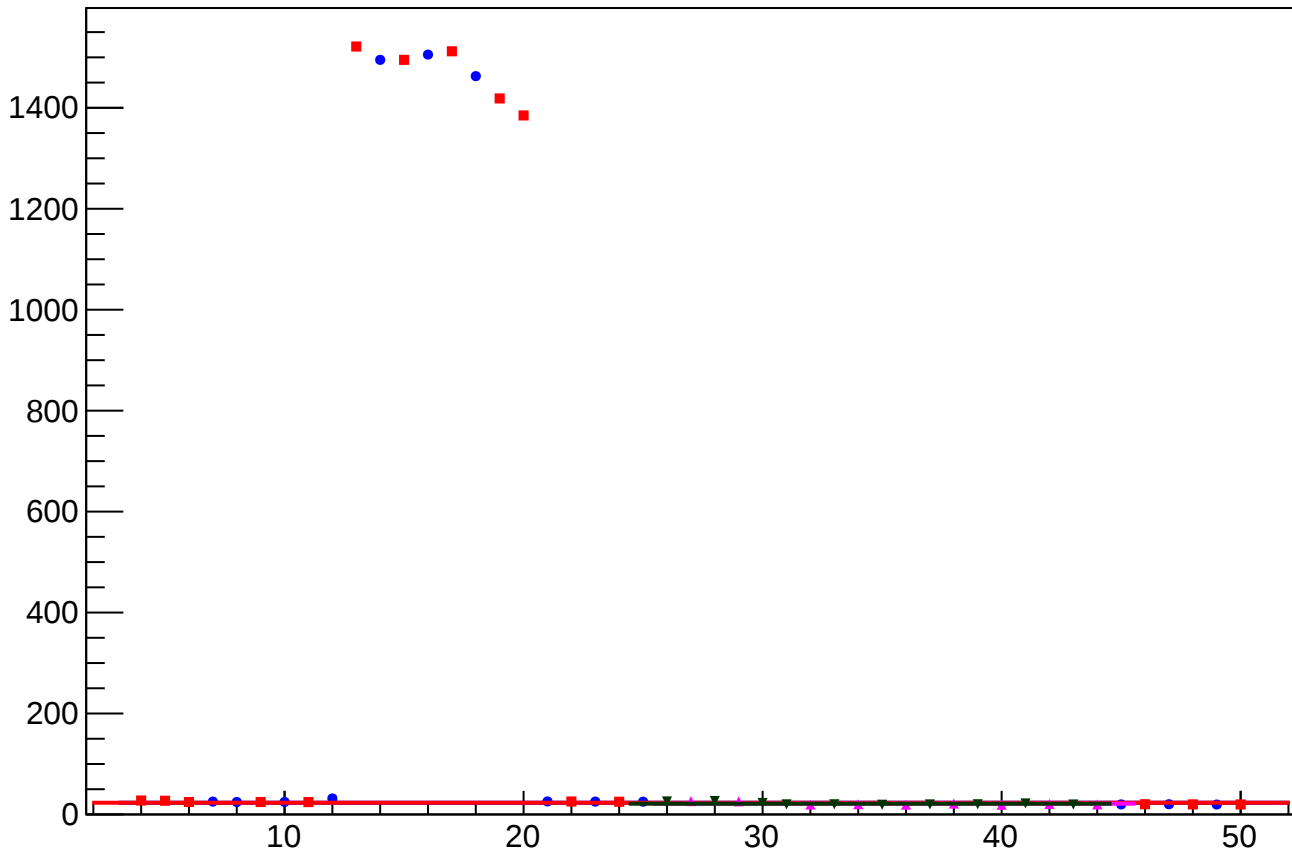
Right Out: 9.702 $\pm$ 10.340 χ^2 /NDF: 5.9/14

Left In: -1.613 $\pm$ 9.046 χ^2 /NDF: 7.3/8

-6.009 $\pm$ 6.614 χ^2 /NDF: 18.0/22

3.292 $\pm$ 6.808 χ^2 /NDF: 13.8/23

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs slug



Right In: 23.236+/-0.007 χ^2/NDF : 4828990.1/12

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

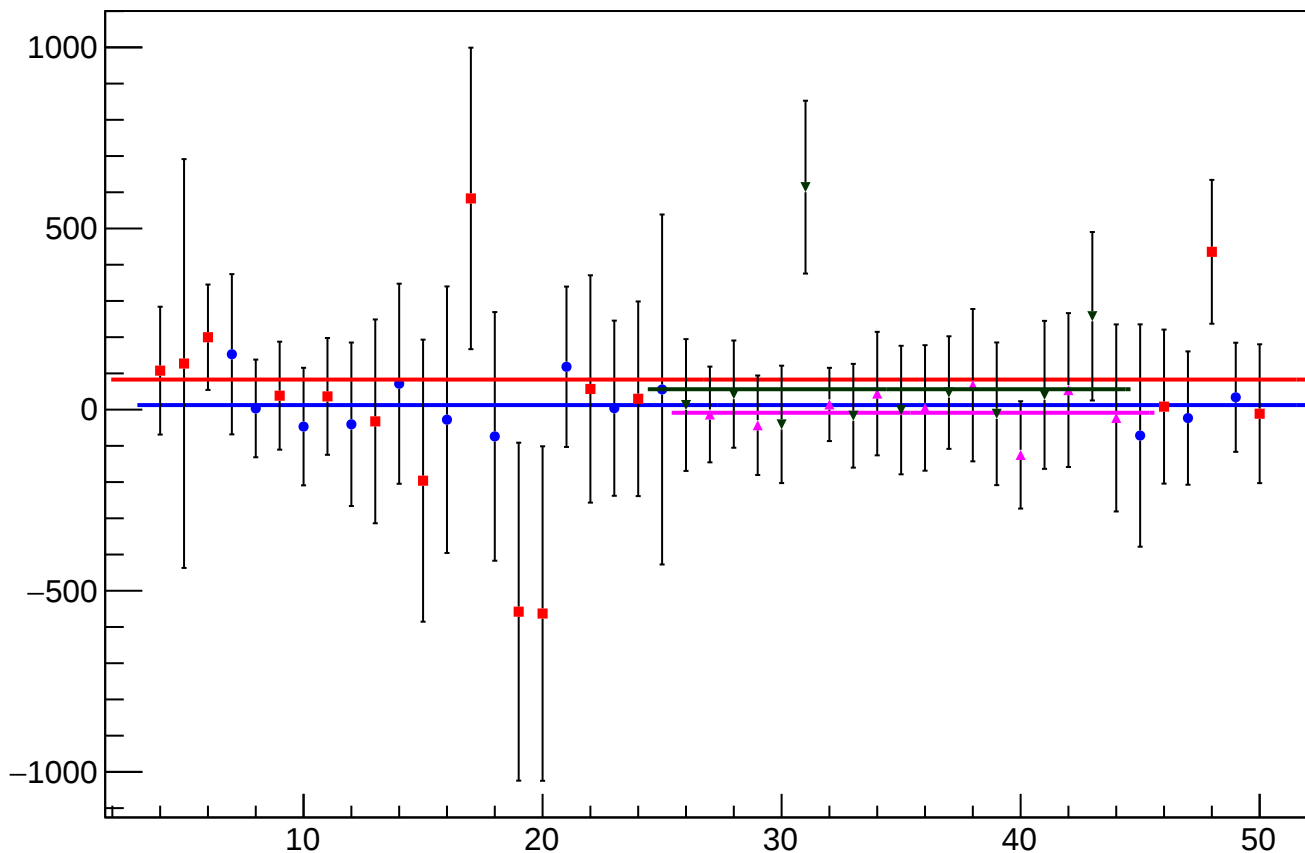
Right Out: 23.215+/-0.007 χ^2/NDF : 5480959.0/14

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

22.245+/-0.005 χ^2/NDF : 5001018.8/22

22.134+/-0.005 χ^2/NDF : 5679418.5/23

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs slug



Right In: 12.537+/-58.915 χ^2/NDF : 1.1/12

Left Out: 56.309+/-55.753 χ^2/NDF : 7.1/9

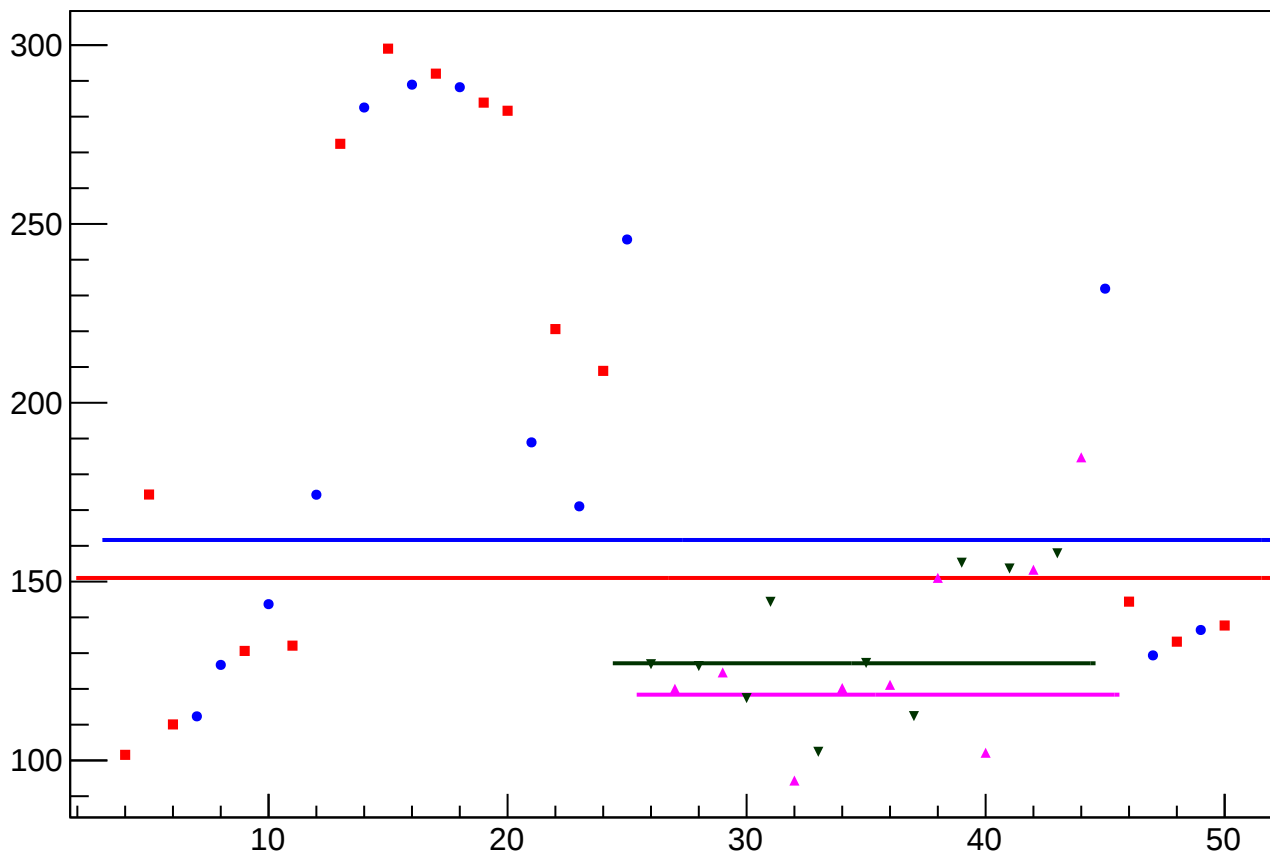
Right Out: 82.980+/-57.828 χ^2/NDF : 10.4/14

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

35.629+/-40.495 χ^2/NDF : 8.5/22

31.628+/-38.341 χ^2/NDF : 12.8/23

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs slug



Right In: 161.637+/-0.042 χ^2/NDF : 1475426.1/12

Left Out: 127.165+/-0.039 χ^2/NDF :204883.4/9

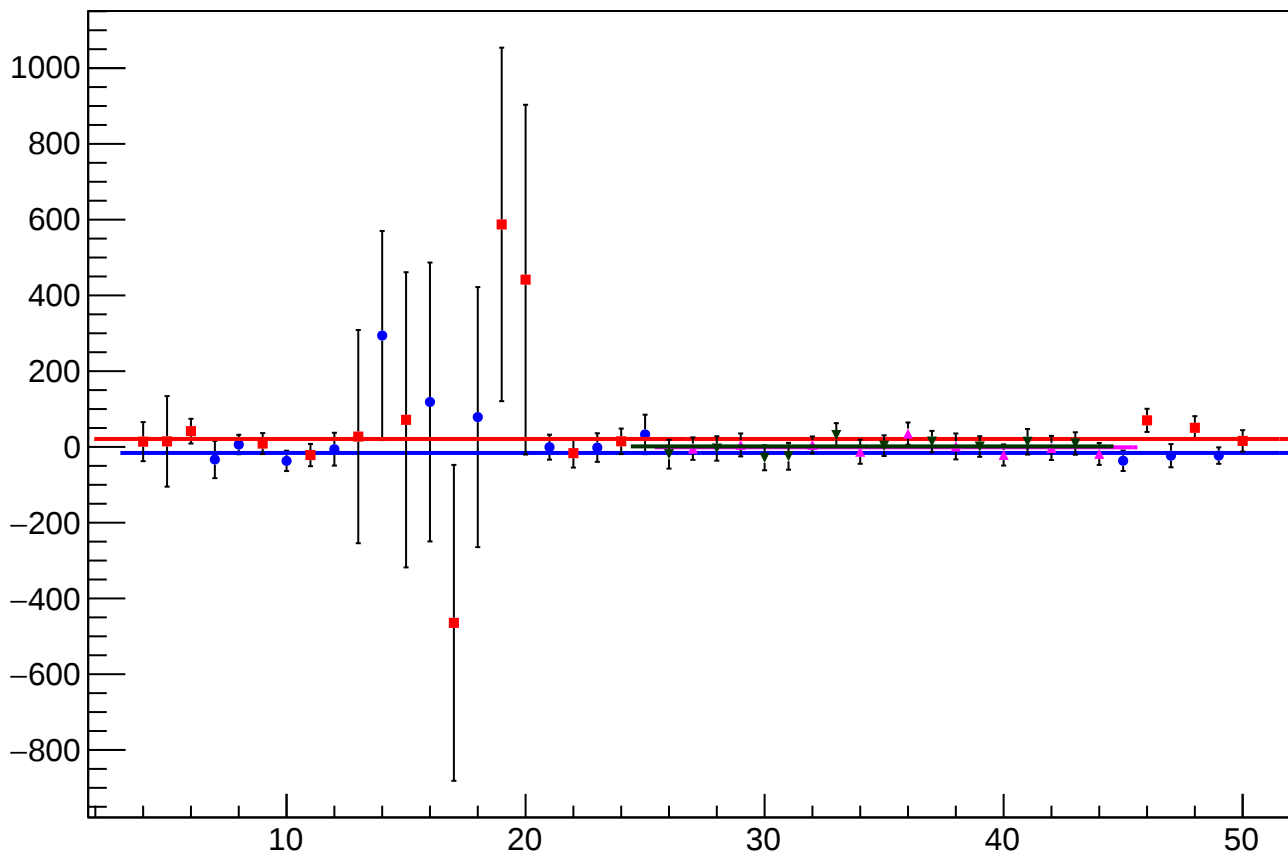
Right Out: 151.018+/-0.041 χ^2/NDF : 1816413.9/14

Left In: 118.387+/-0.036 χ^2/NDF :376424.8/8

143.451+/-0.029 χ^2/NDF : 2041533.8/22

132.732+/-0.027 χ^2/NDF : 2549702.3/23

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs slug



Right In: -15.899 ± 9.790 χ^2/NDF : 5.0/12

Left Out: 1.423 ± 9.824 χ^2/NDF : 3.0/9

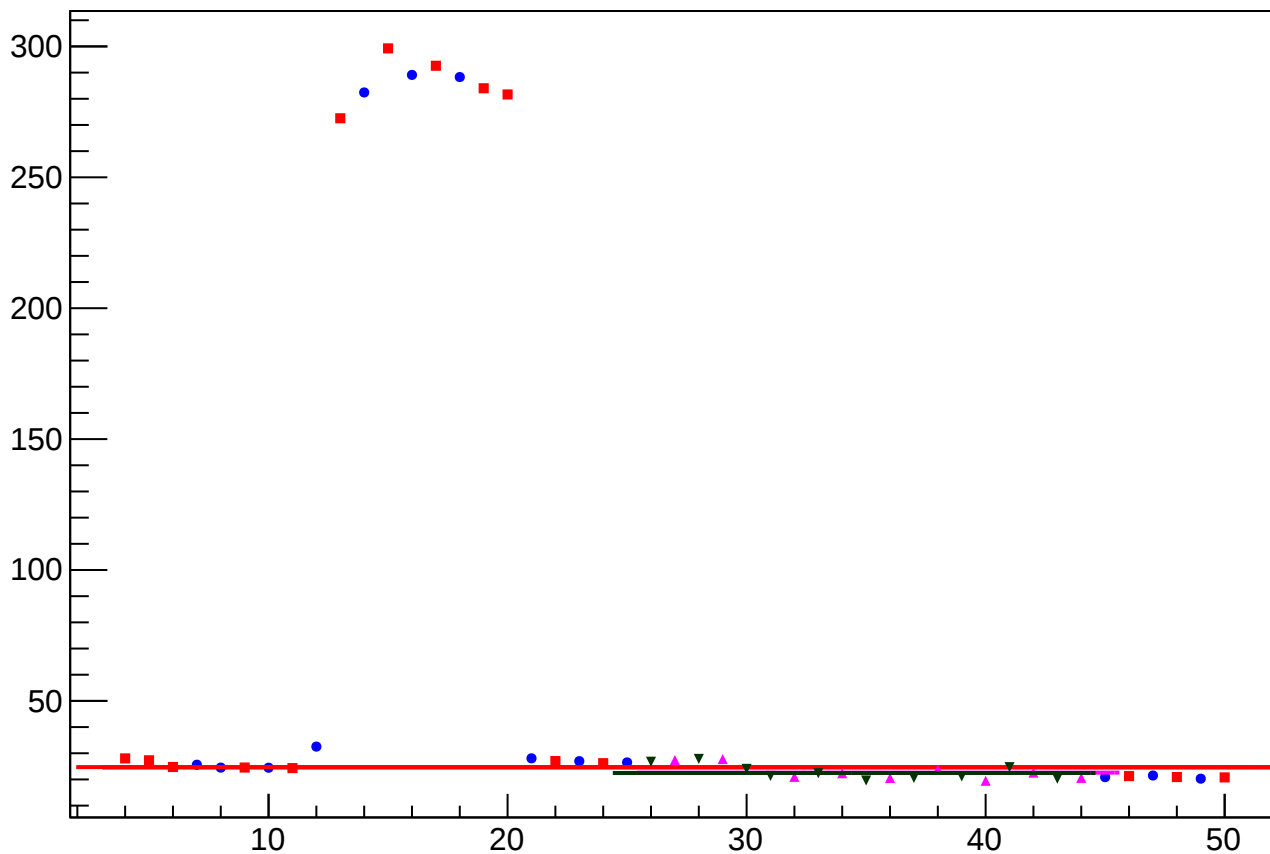
Right Out: 21.006 ± 10.643 χ^2/NDF : 10.9/14

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

-7.268 ± 6.935 χ^2/NDF : 9.6/22

8.932 ± 7.156 χ^2/NDF : 15.9/23

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs slug



Right In: 24.597 $\pm$ 0.007 χ^2 /NDF: 4195355.6/12

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

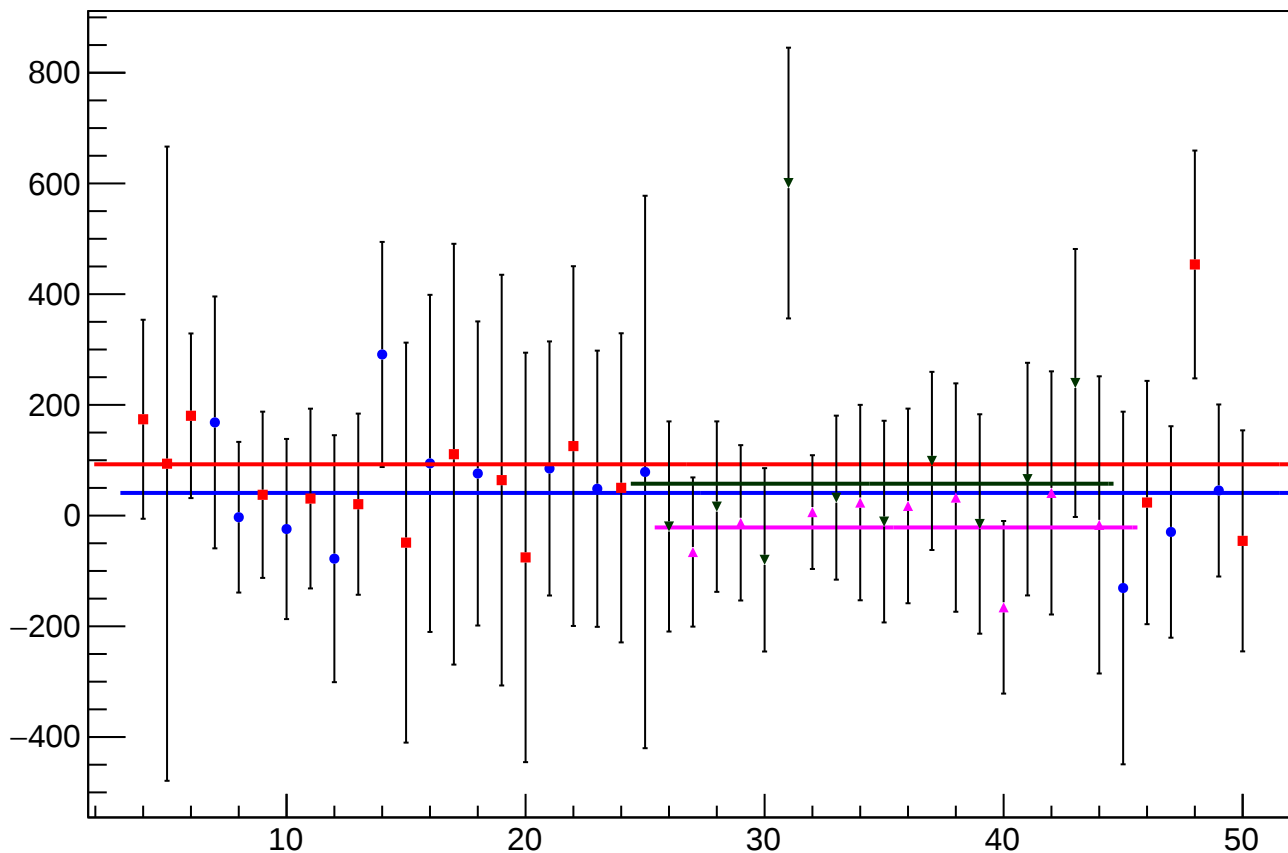
Right Out: 24.710 $\pm$ 0.008 χ^2 /NDF: 4721717.6/14

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

23.537 $\pm$ 0.005 χ^2 /NDF: 4385355.9/22

23.554 $\pm$ 0.005 χ^2 /NDF: 4932915.3/23

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs slug



Right In: 40.954+/-58.010 χ^2/NDF : 2.9/12

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

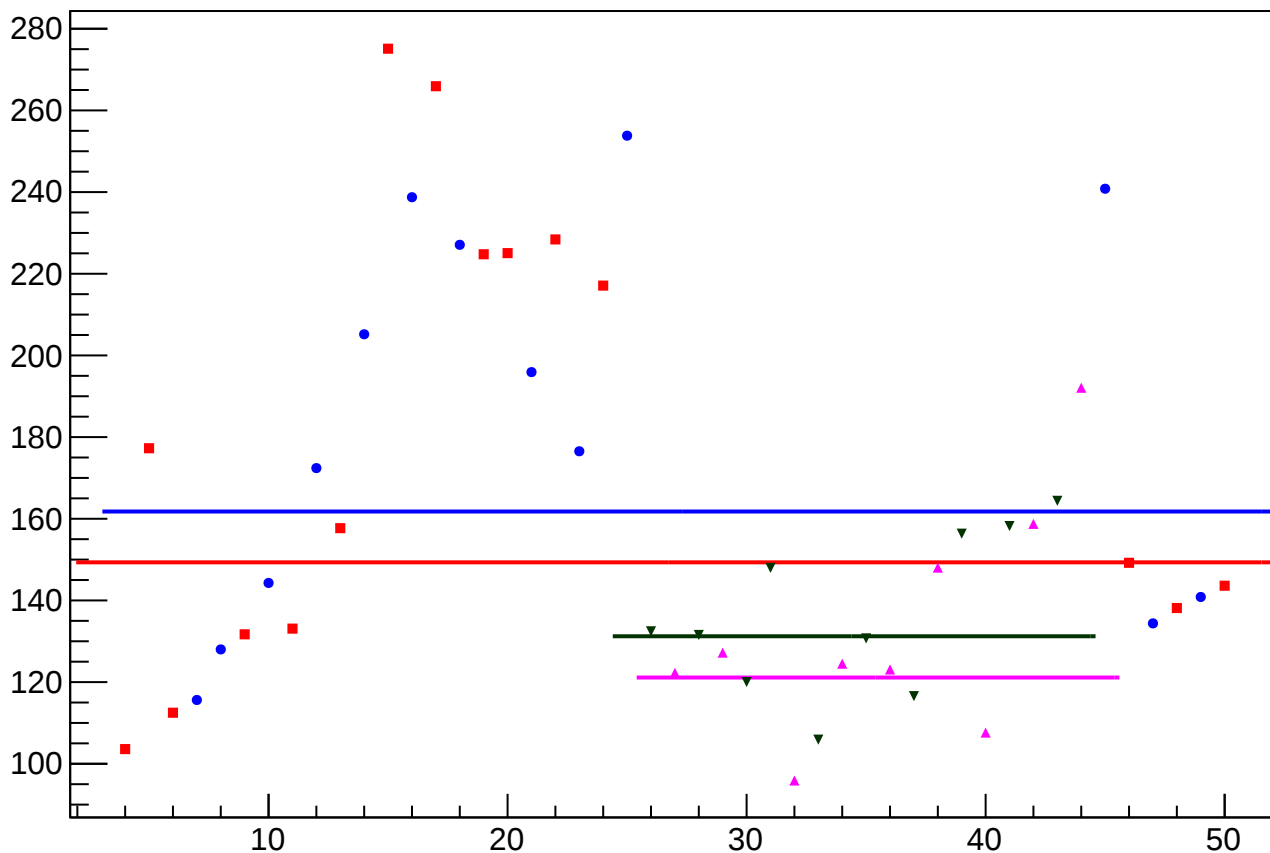
Right Out: 92.663+/-55.924 χ^2/NDF : 5.1/14

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

49.350+/-40.832 χ^2/NDF : 9.7/22

31.908+/-38.235 χ^2/NDF : 8.6/23

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs slug



Right In: 161.776 $\pm$ 0.041 χ^2 /NDF: 885042.2/12

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

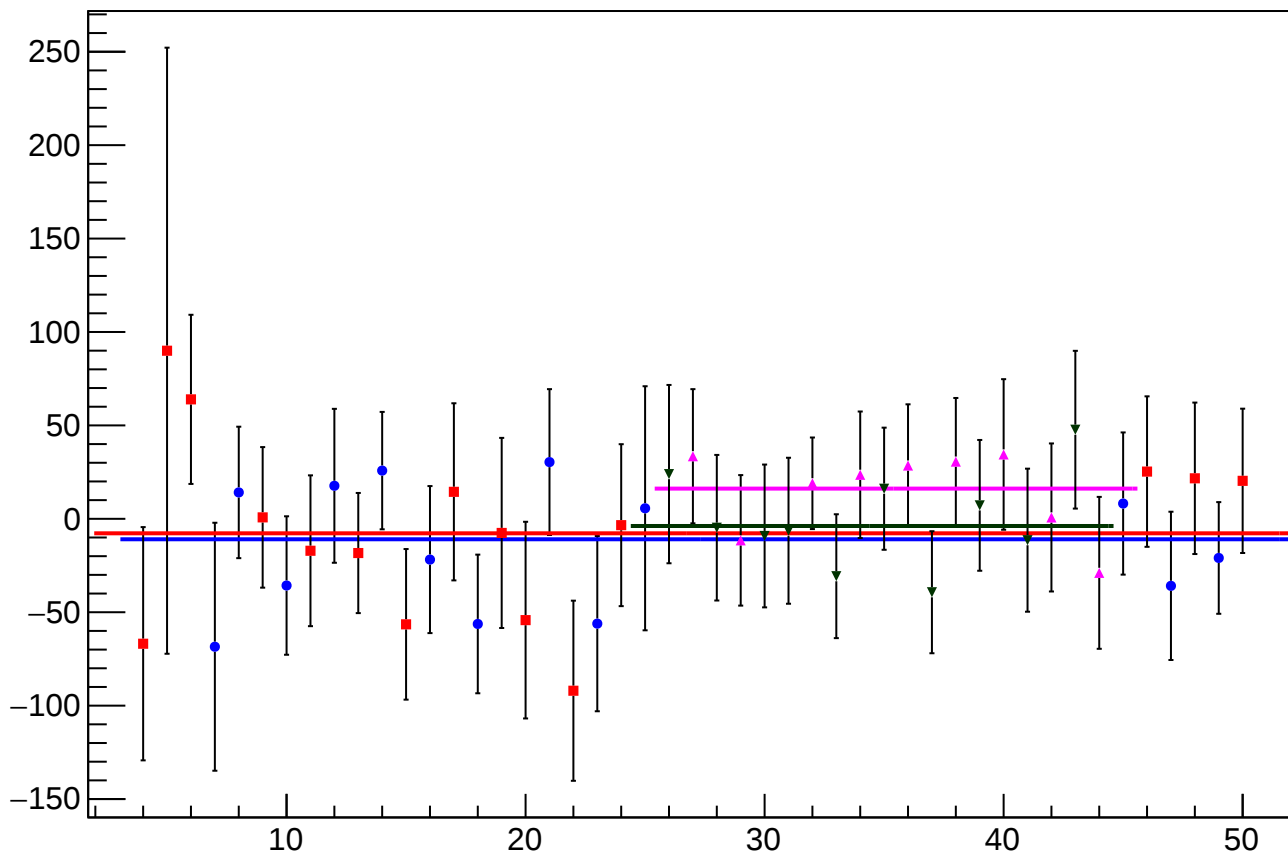
146.362 $\pm$ 0.029 χ^2 /NDF: 1361265.6/22

Right Out: 149.330 $\pm$ 0.040 χ^2 /NDF: 1150753.2/14

134.307 $\pm$ 0.027 χ^2 /NDF: 1794639.4/23

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: -10.951 ± 10.828 χ^2/NDF : 8.0/12

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

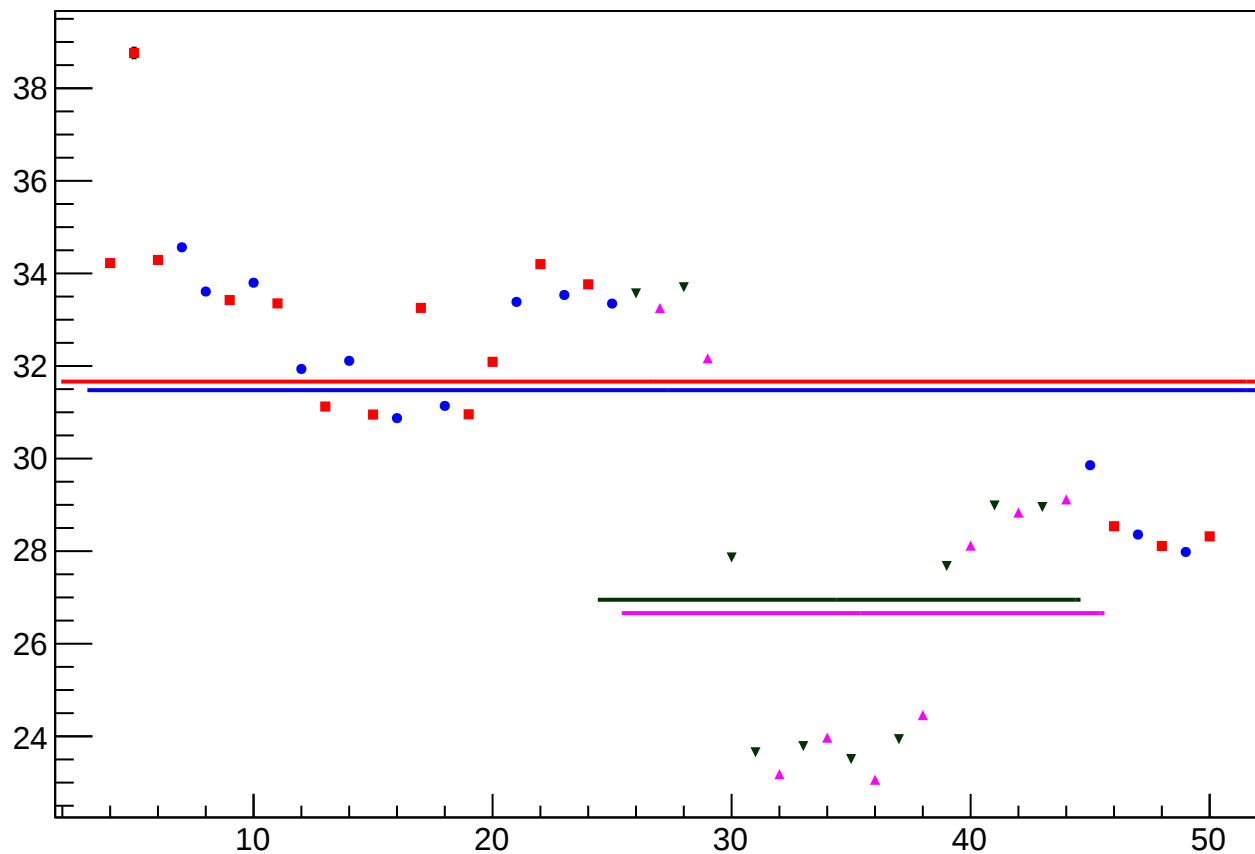
Right Out: -7.759 ± 11.369 χ^2/NDF : 11.2/14

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

-7.677 ± 7.953 χ^2/NDF : 12.4/22

4.242 ± 8.027 χ^2/NDF : 16.3/23

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs slug



Right In: 31.478+/-0.008 χ^2/NDF : 74821.0/12

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

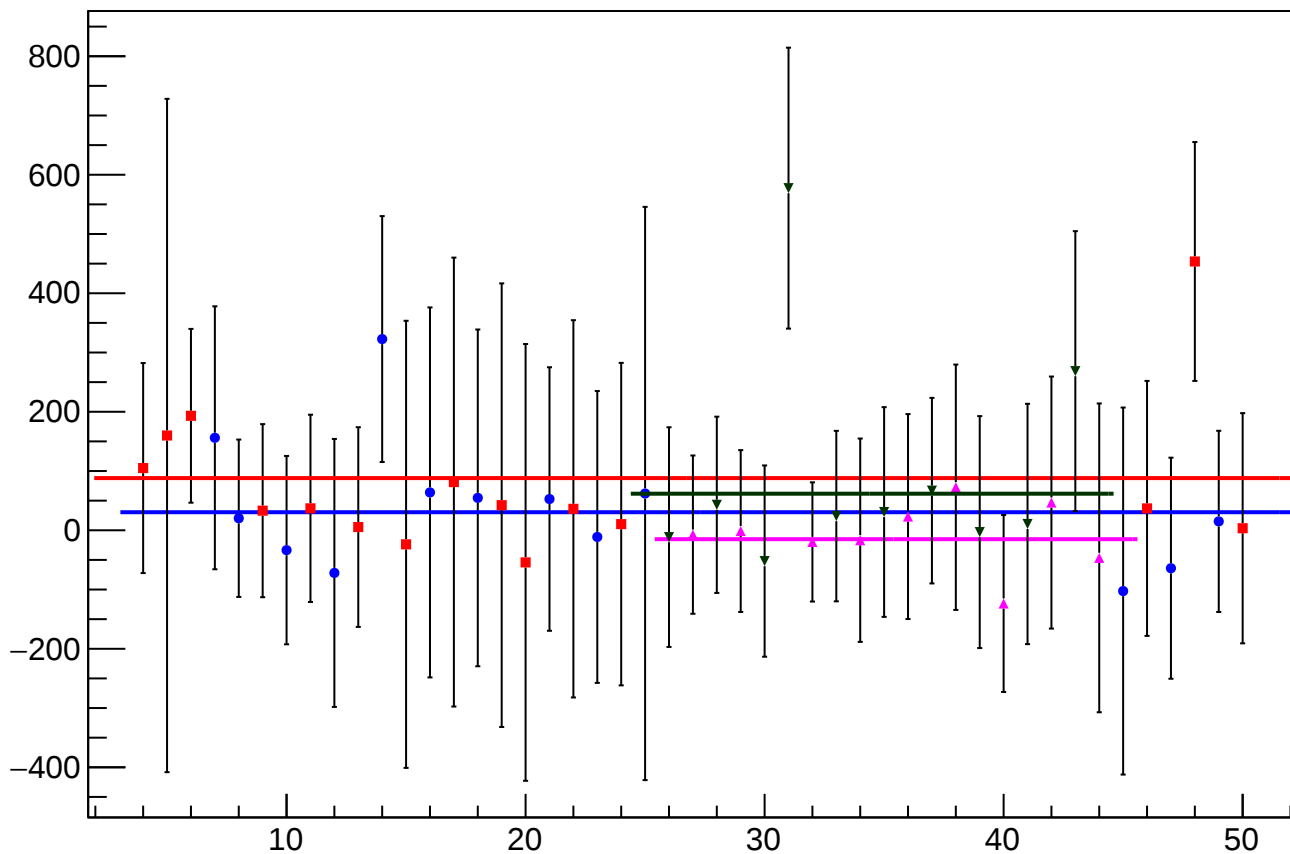
Right Out: 31.663+/-0.008 χ^2/NDF : 78405.8/14

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

29.393+/-0.006 χ^2/NDF : 418146.2/22

29.155+/-0.006 χ^2/NDF : 490949.4/23

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs slug



Right In: 30.472 $\pm$ 57.264 χ^2 /NDF: 3.2/12

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

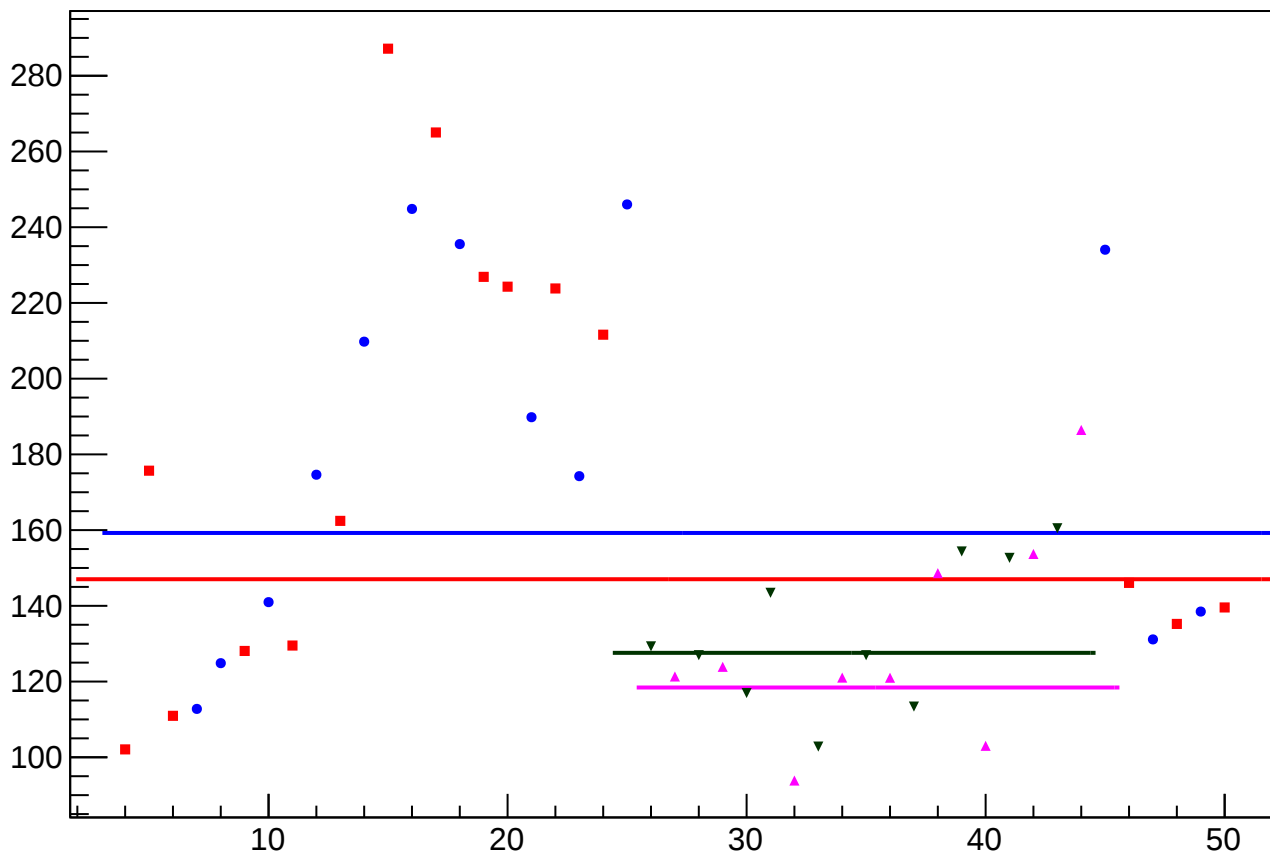
Right Out: 88.070 $\pm$ 55.202 χ^2 /NDF: 4.9/14

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

46.476 $\pm$ 40.006 χ^2 /NDF: 9.8/22

32.687 $\pm$ 37.553 χ^2 /NDF: 7.7/23

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs slug



Right In: 159.248+/-0.040 χ^2/NDF : 979113.9/12

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

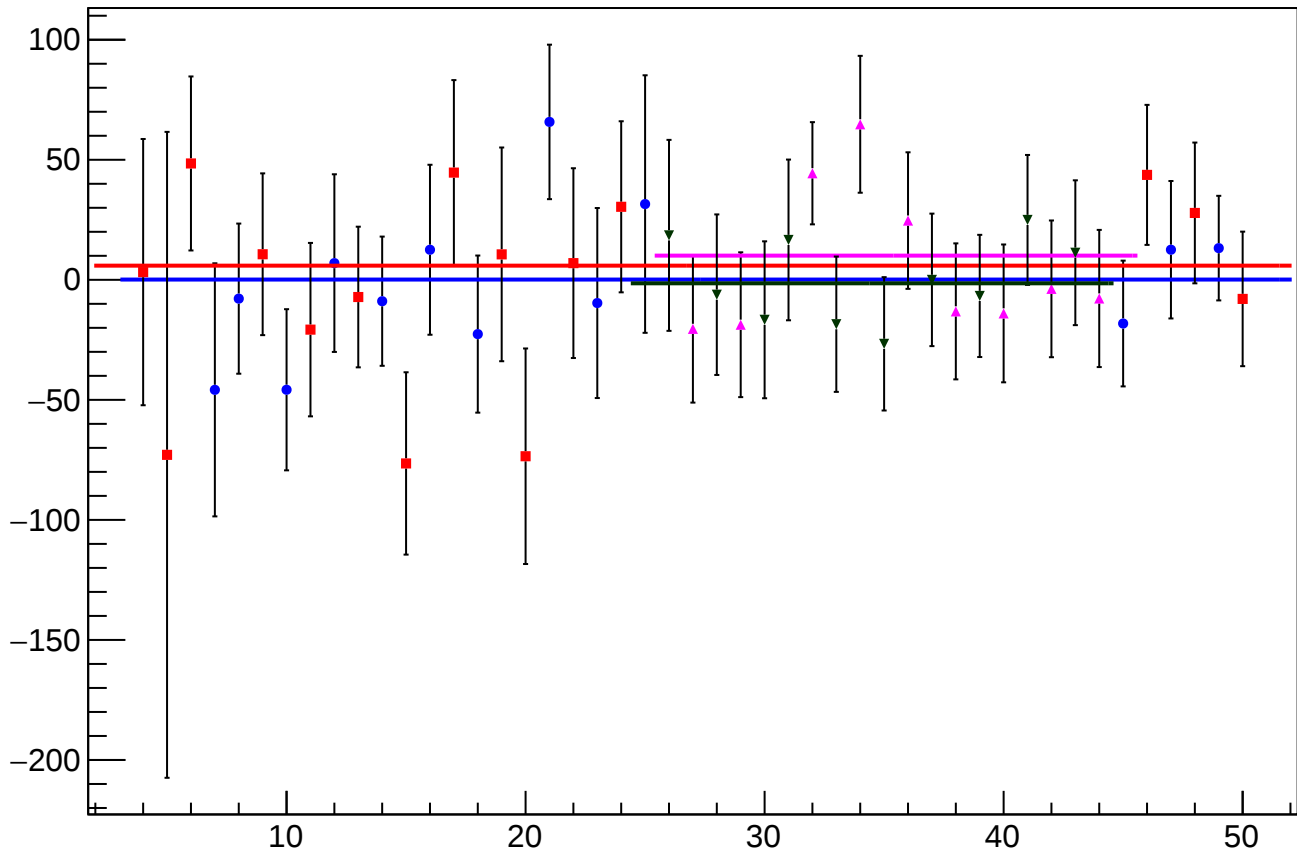
143.038+/-0.028 χ^2/NDF : 1492496.6/22

Right Out: 147.028+/-0.039 χ^2/NDF : 1217515.1/14

131.664+/-0.027 χ^2/NDF : 1885480.1/23

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

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs slug



Right In: 0.110+/-8.821 χ^2/NDF : 9.1/12

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

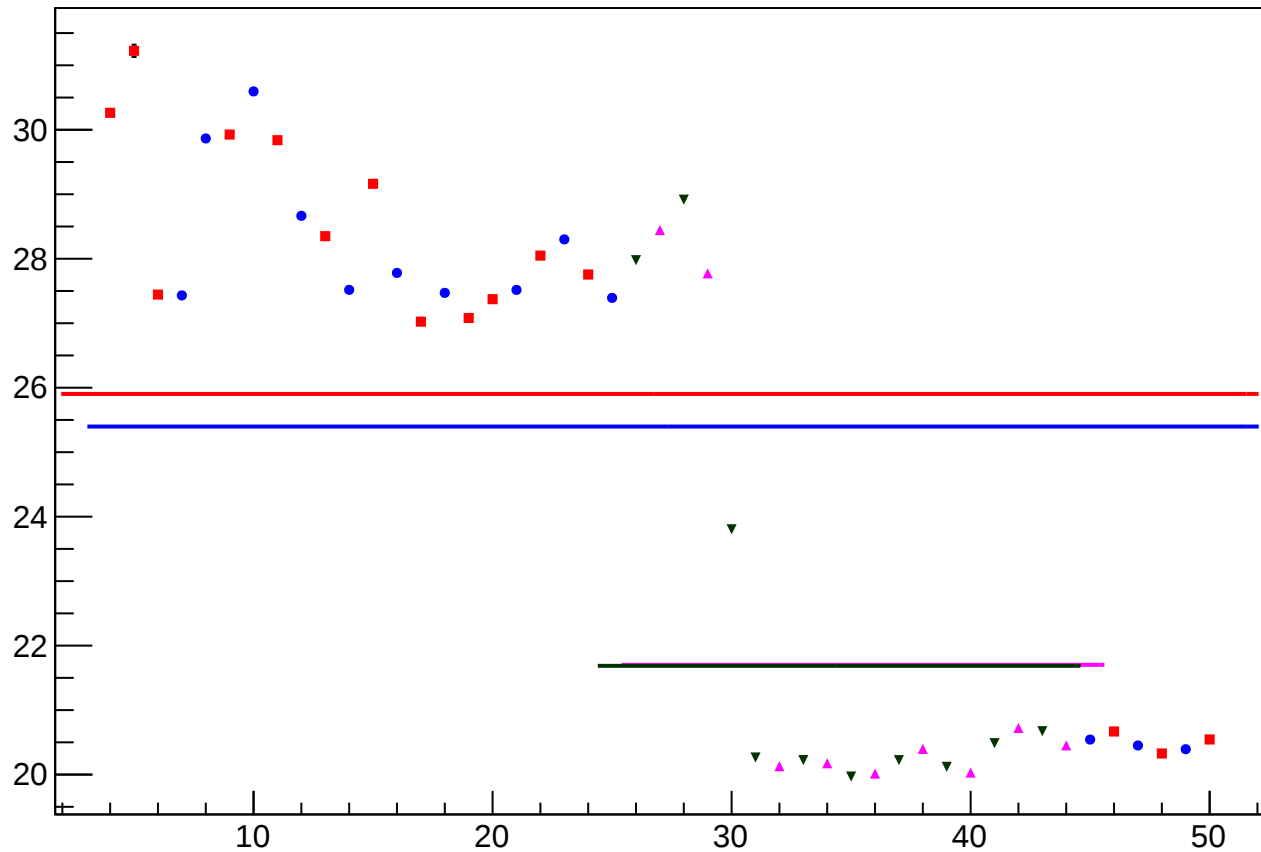
Right Out: 5.902+/-9.381 χ^2/NDF : 14.3/14

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

-0.621+/-6.444 χ^2/NDF : 12.2/22

8.026+/-6.577 χ^2/NDF : 24.8/23

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs slug



Right In: 25.398 $\pm$ 0.006 χ^2 /NDF: 393066.5/12

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

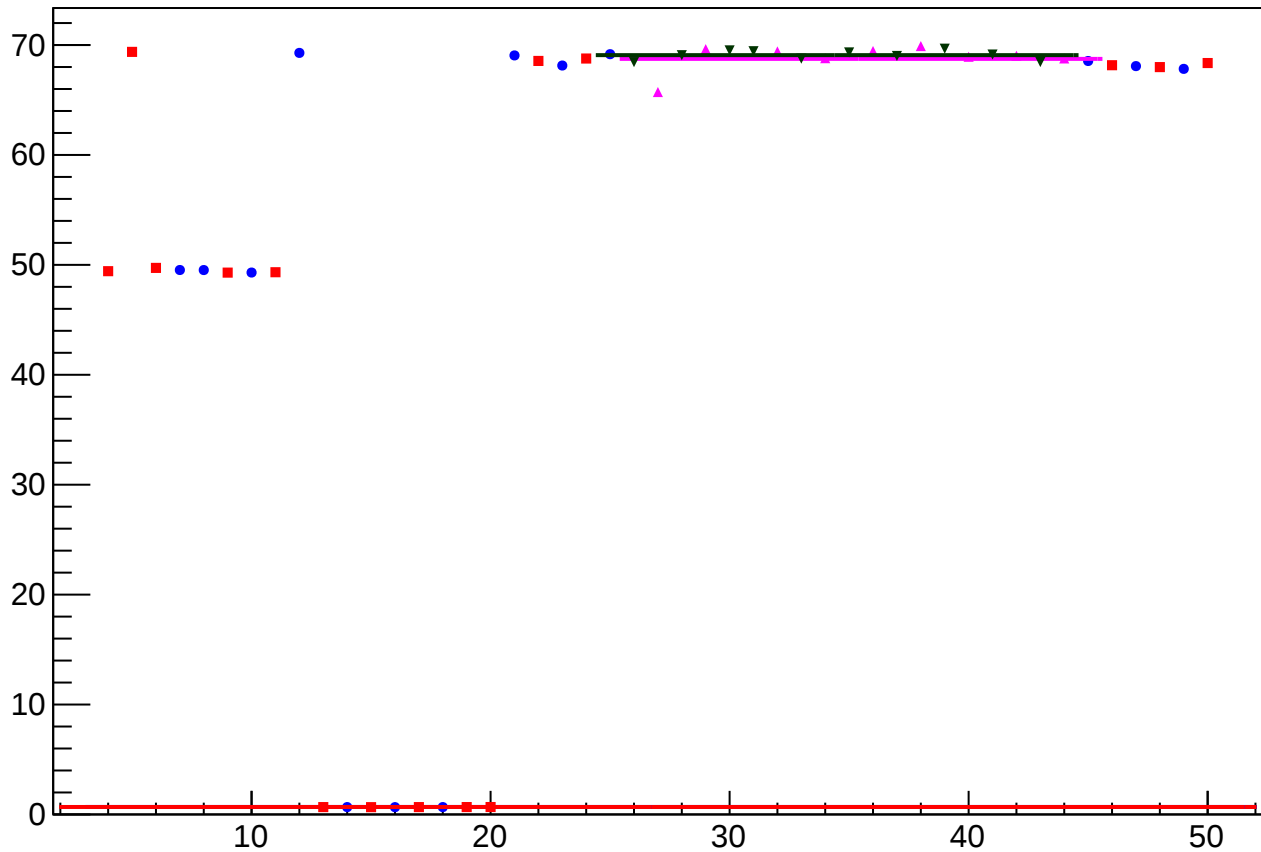
Right Out: 25.903 $\pm$ 0.007 χ^2 /NDF: 326528.6/14

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

23.667 $\pm$ 0.005 χ^2 /NDF: 746139.1/22

23.767 $\pm$ 0.005 χ^2 /NDF: 748760.6/23

yield_bcm_an_ds_mean vs slug



Right In: 0.682+/-0.000 χ^2/NDF : 712692701902.0/12

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

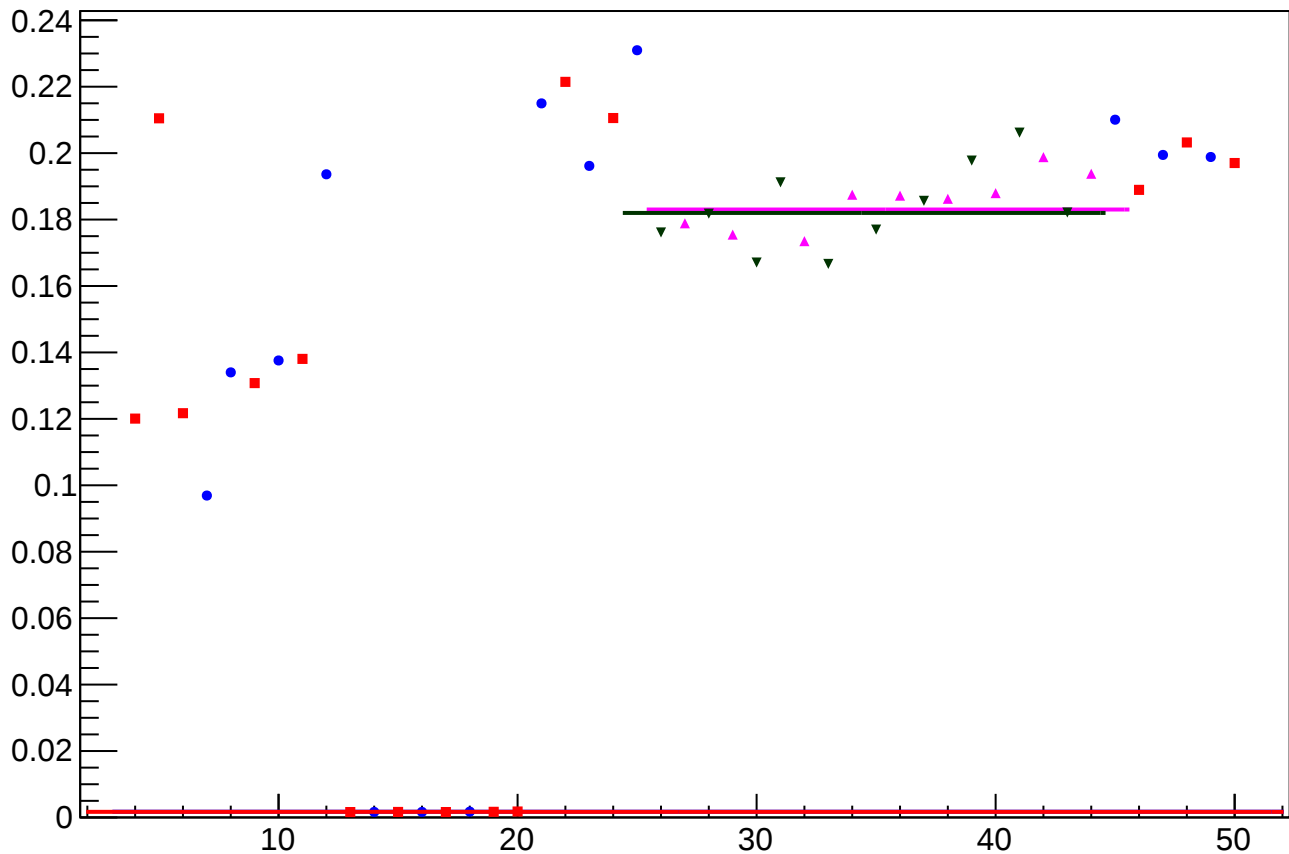
0.695+/-0.000 χ^2/NDF : 1441600059634.3/22

Right Out: 0.680+/-0.000 χ^2/NDF : 611129597526.4/14

0.691+/-0.000 χ^2/NDF : 1361284654682.3/23

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

yield_bcm_an_ds_rms vs slug



Right In: 0.002+/-0.000 χ^2/NDF : 11502296.9/12

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

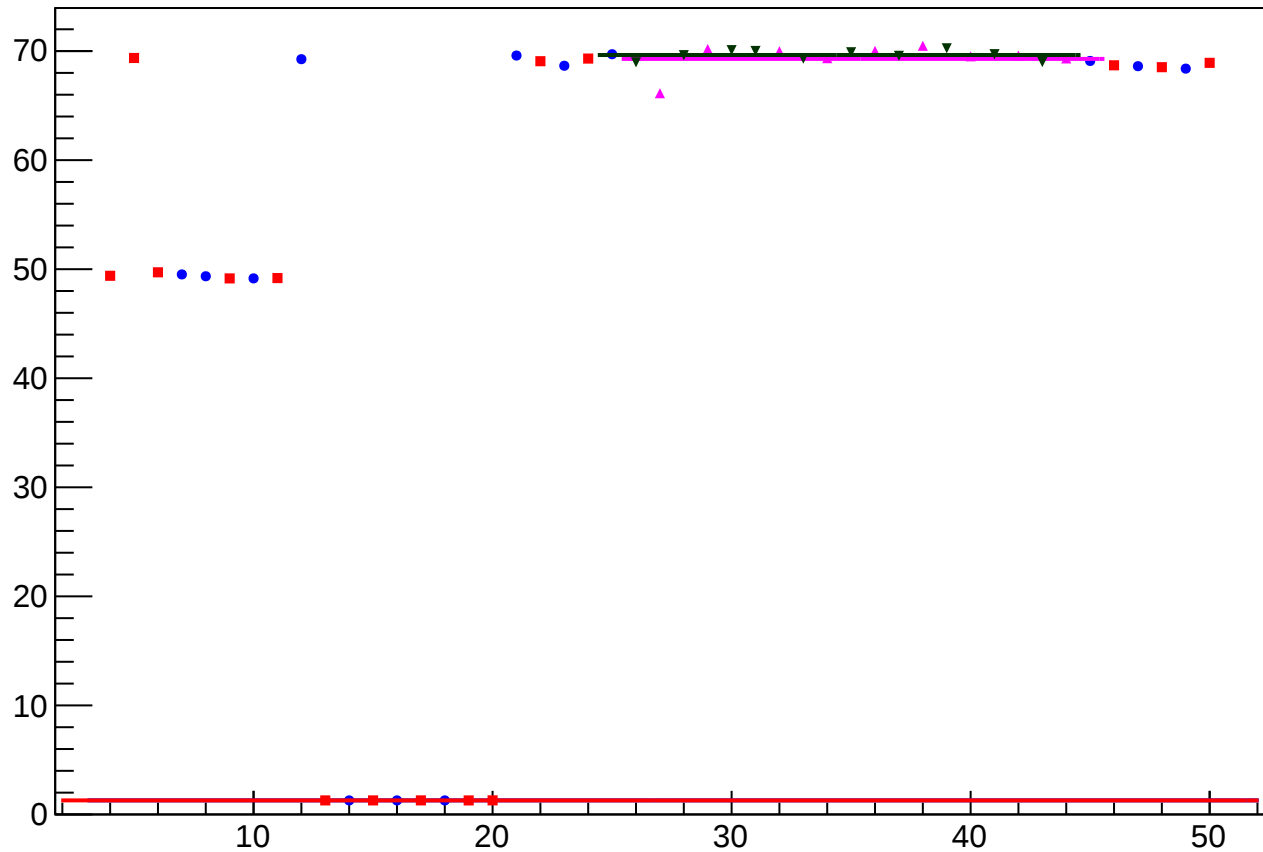
Right Out: 0.002+/-0.000 χ^2/NDF : 9524626.6/14

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

0.002+/-0.000 χ^2/NDF : 21671449.2/22

0.002+/-0.000 χ^2/NDF : 20191176.1/23

yield_bcm_an_ds3_mean vs slug



Right In: 1.290+/-0.000 χ^2/NDF : 701283288379.4/12

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

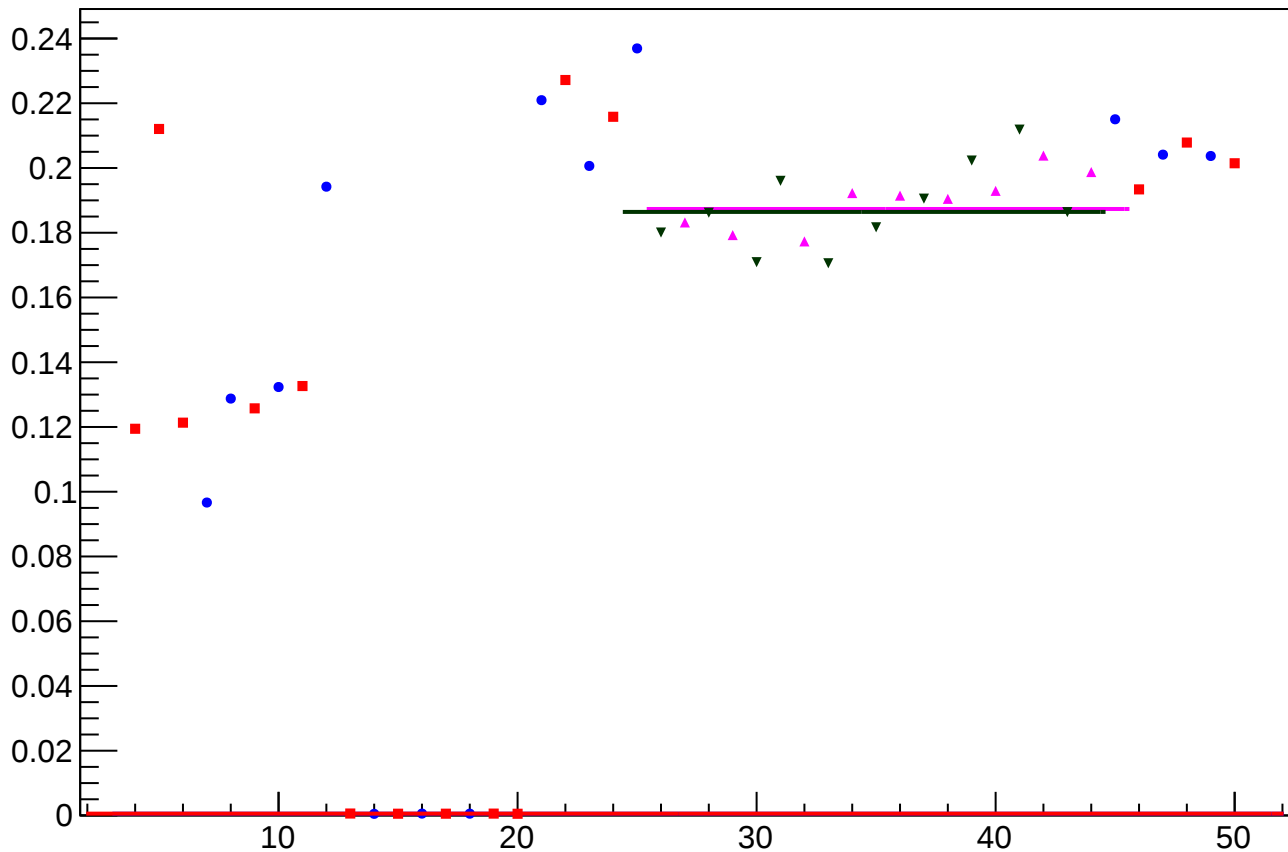
Right Out: 1.290+/-0.000 χ^2/NDF : 603464910335.4/14

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

1.292+/-0.000 χ^2/NDF : 1394849460925.1/22

1.291+/-0.000 χ^2/NDF : 1317987449777.2/23

yield_bcm_an_ds3_rms vs slug



Right In: 0.001+/-0.000 χ^2/NDF : 11679405.5/12

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

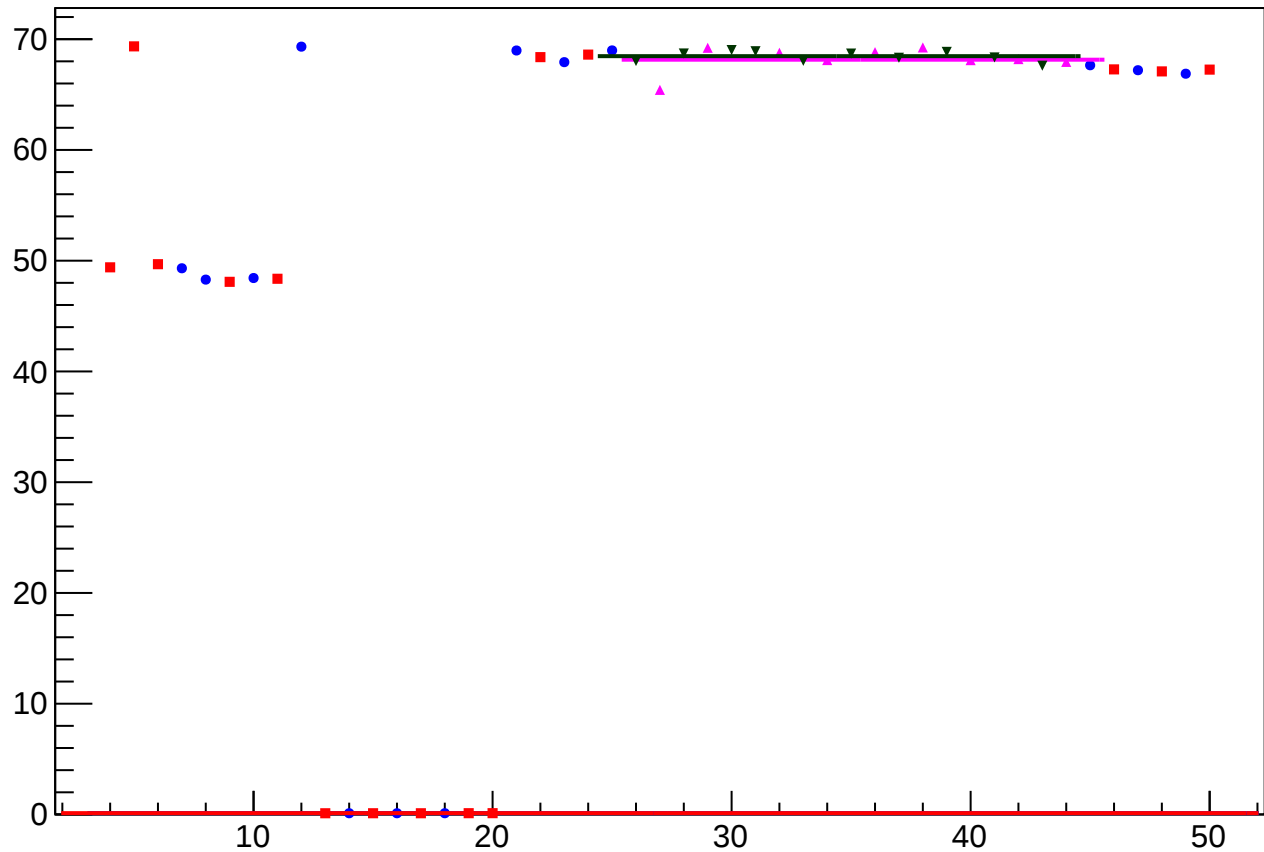
0.001+/-0.000 χ^2/NDF : 21985136.2/22

Right Out: 0.001+/-0.000 χ^2/NDF : 9663425.7/14

0.001+/-0.000 χ^2/NDF : 20463983.6/23

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

yield_bcm_an_us_mean vs slug



Right In: 0.122+/-0.000 χ^2/NDF : 739711629490.9/12

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

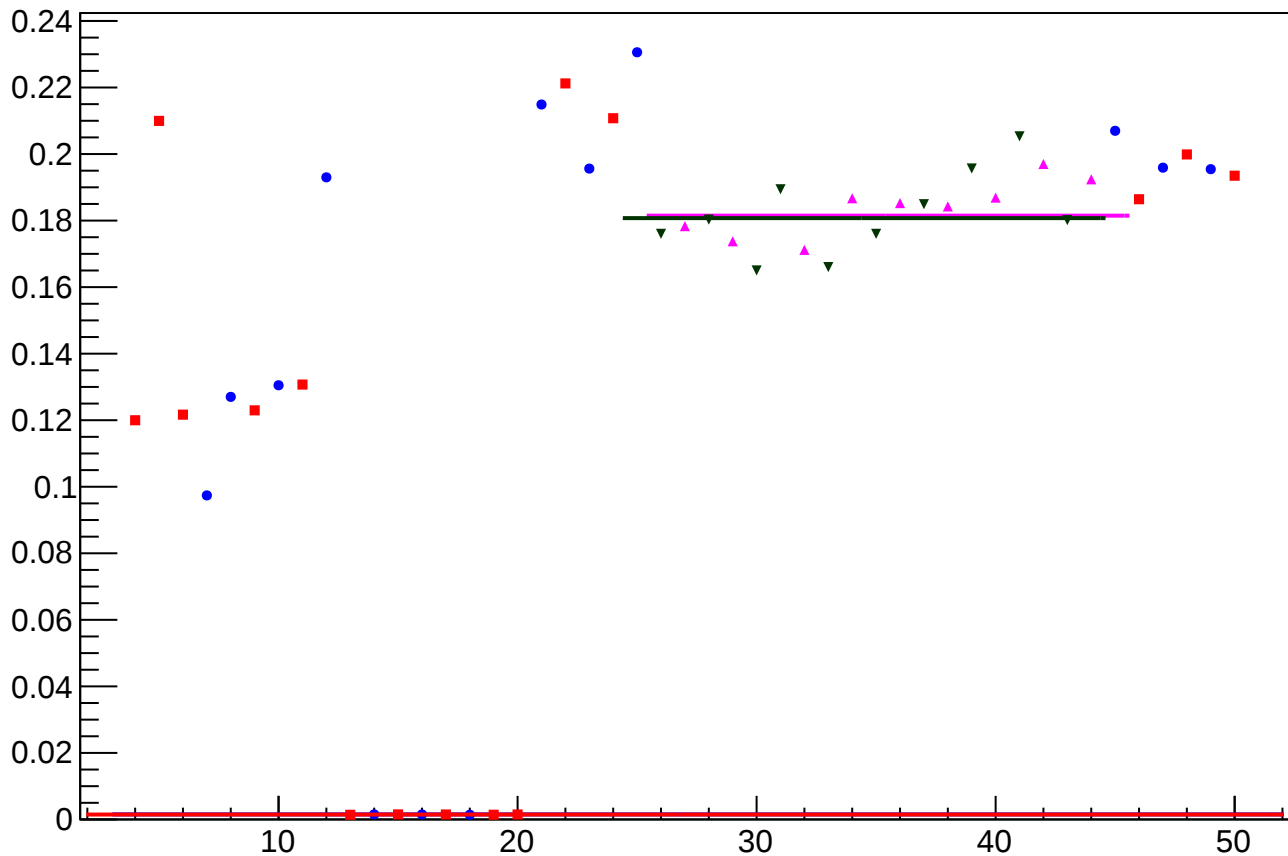
Right Out: 0.119+/-0.000 χ^2/NDF : 636832658315.1/14

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

0.132+/-0.000 χ^2/NDF : 1476372371706.3/22

0.128+/-0.000 χ^2/NDF : 1398775373847.7/23

yield_bcm_an_us_rms vs slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 11516855.9/12

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

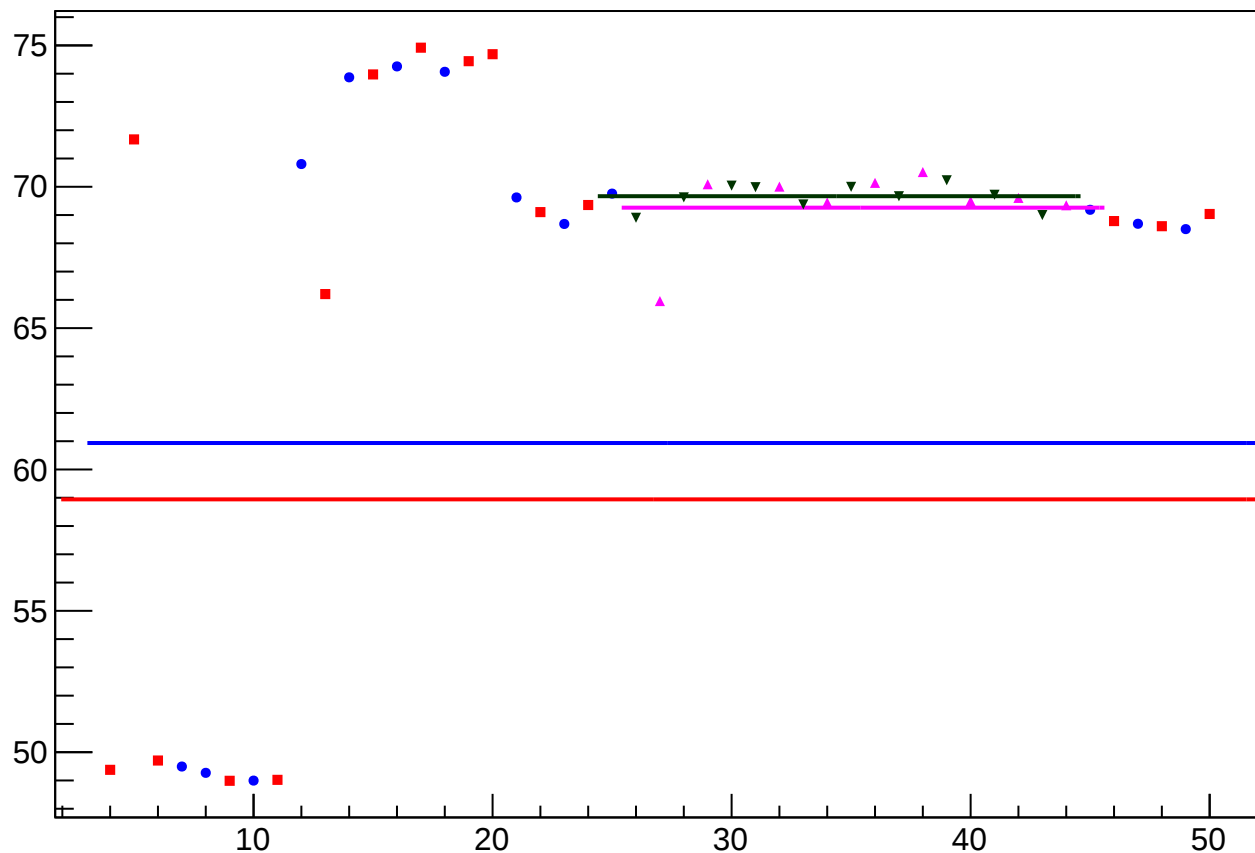
0.002 $\pm$ 0.000 χ^2 /NDF: 21691147.4/22

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 9541824.4/14

0.001 $\pm$ 0.000 χ^2 /NDF: 20229204.8/23

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

yield_bcm_dg_us_mean vs slug



Right In: 60.936 $\pm$ 0.000 χ^2 /NDF: 30296635328.0/12

Left Out: 69.667 $\pm$ 0.000 χ^2 /NDF: 24128815.3/9

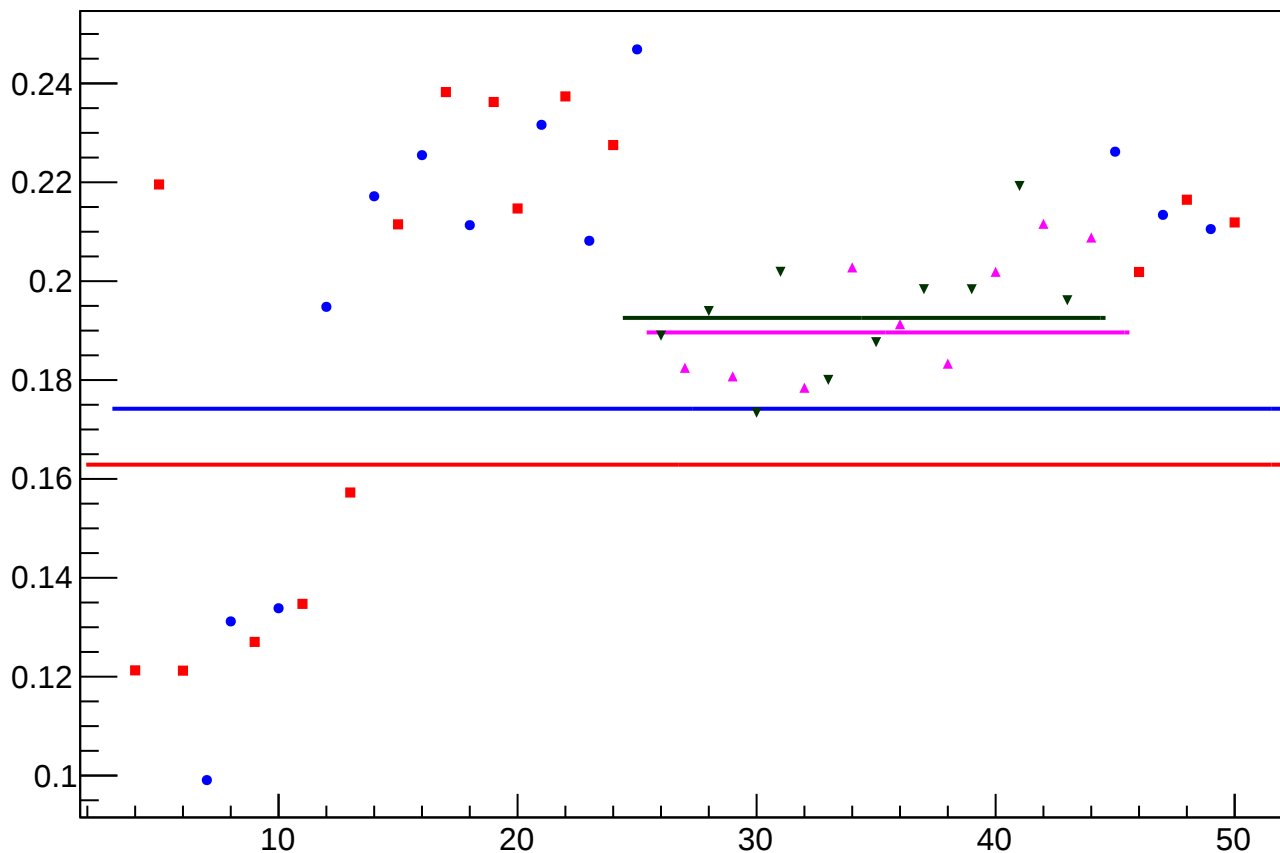
Right Out: 58.943 $\pm$ 0.000 χ^2 /NDF: 29057511529.8/14

Left In: 69.261 $\pm$ 0.000 χ^2 /NDF: 334097466.4/8

64.054 $\pm$ 0.000 χ^2 /NDF: 37146659248.8/22

62.711 $\pm$ 0.000 χ^2 /NDF: 39541794909.0/23

yield_bcm_dg_us_rms vs slug



Right In: 0.174+/-0.000 χ^2/NDF : 1091893.0/12

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

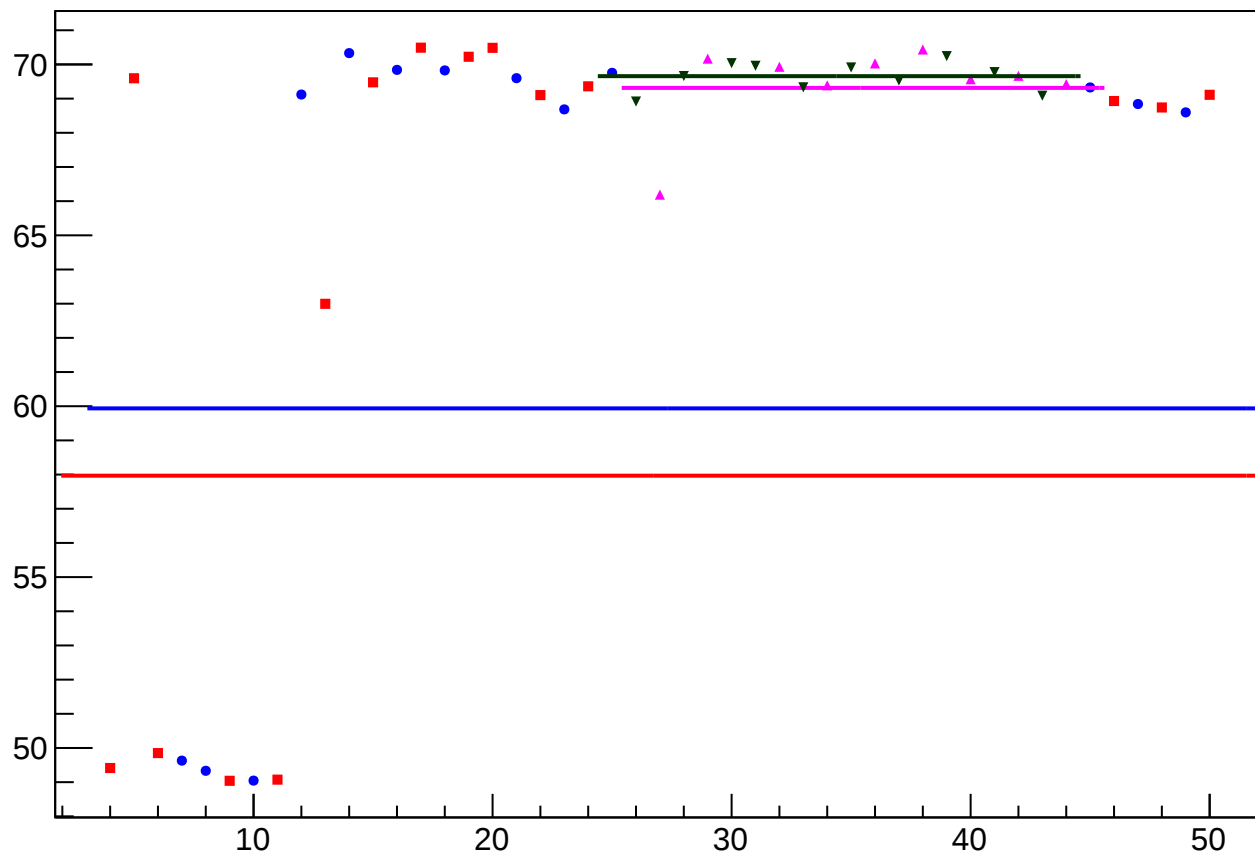
Right Out: 0.163+/-0.000 χ^2/NDF : 998844.1/14

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

0.181+/-0.000 χ^2/NDF : 1191075.0/22

0.173+/-0.000 χ^2/NDF : 1176591.6/23

yield_bcm_dg_ds_mean vs slug



Right In: 59.937 $\pm$ 0.000 χ^2 /NDF: 26539420824.3/12

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

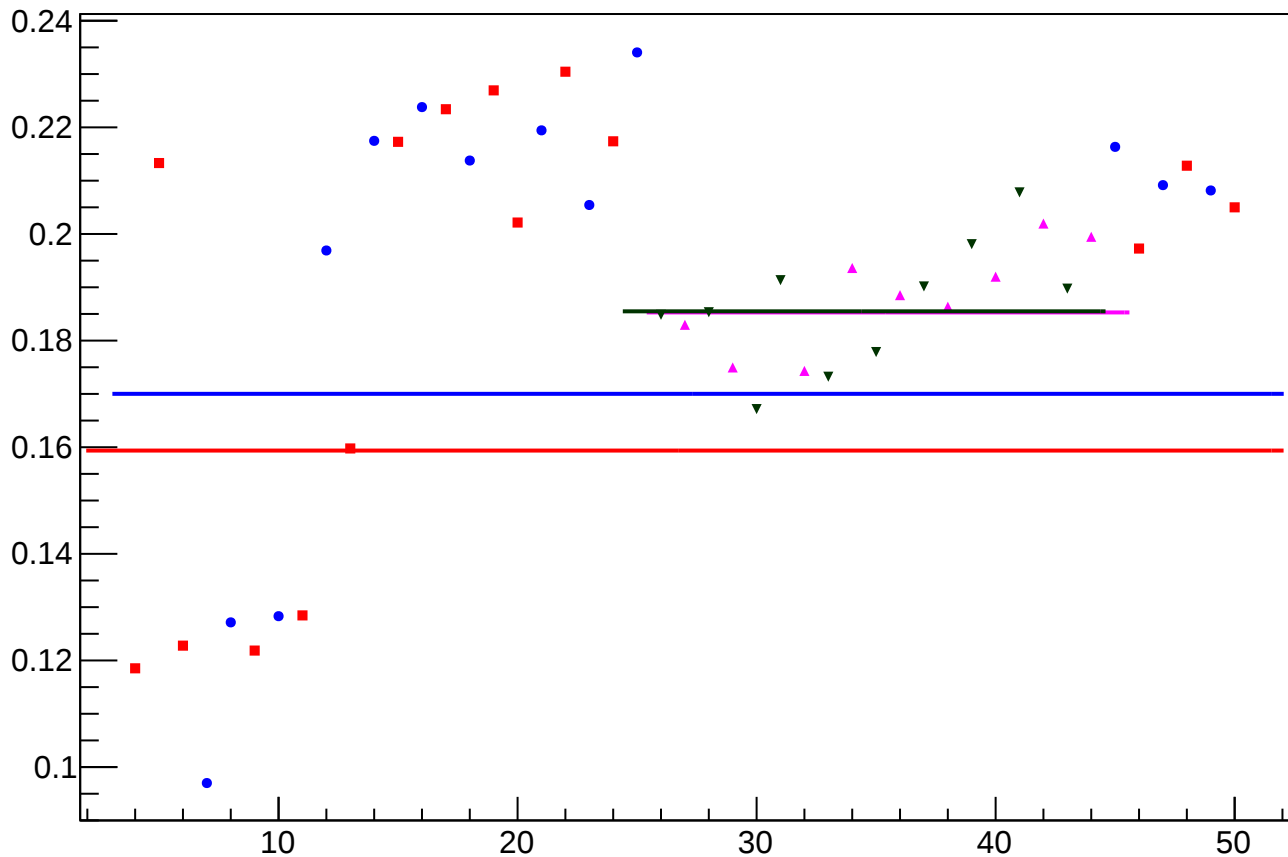
Right Out: 57.968 $\pm$ 0.000 χ^2 /NDF: 24610856451.5/14

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

63.473 $\pm$ 0.000 χ^2 /NDF: 35593560521.2/22

62.125 $\pm$ 0.000 χ^2 /NDF: 37774558823.7/23

yield_bcm_dg_ds_rms vs slug



Right In: 0.170+/-0.000 χ^2/NDF : 1150736.1/12

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

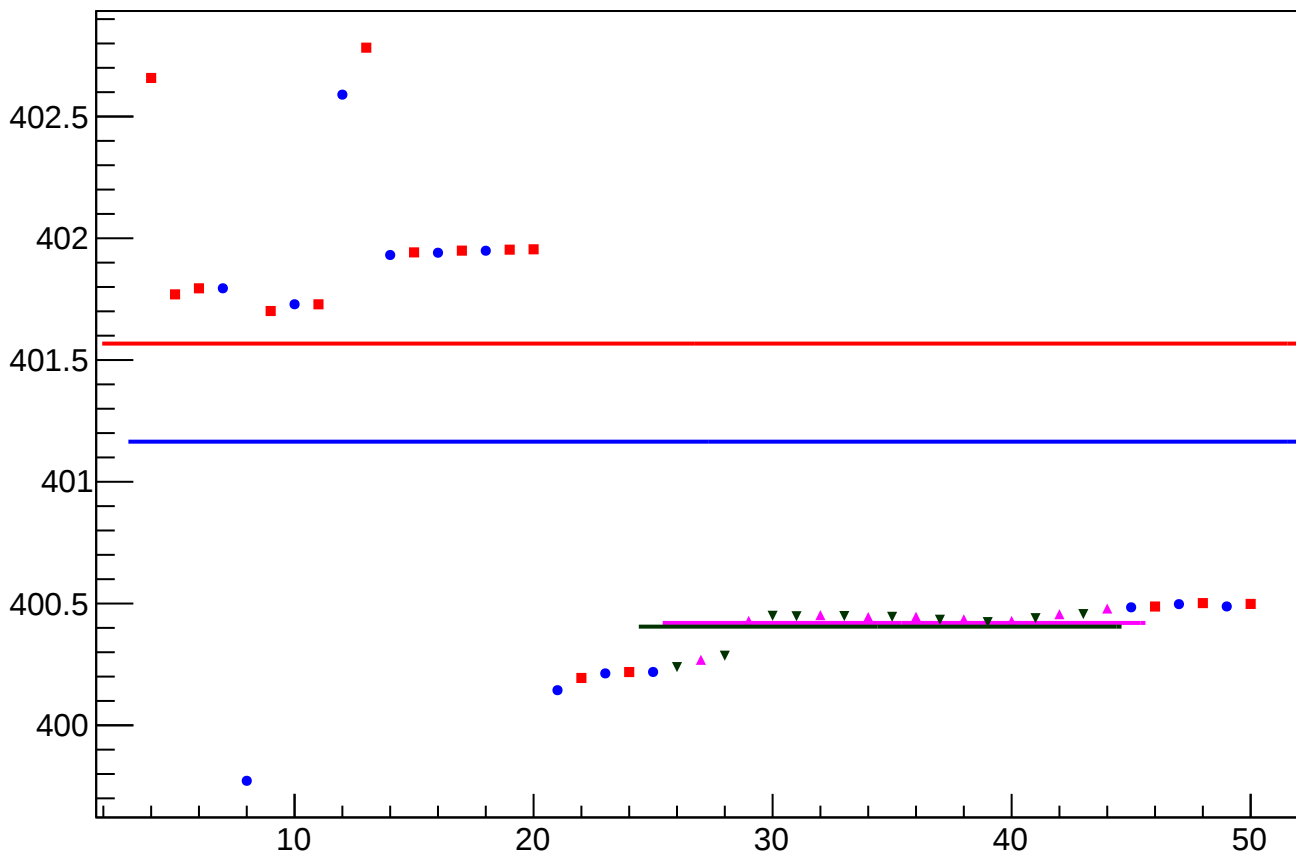
Right Out: 0.159+/-0.000 χ^2/NDF : 977668.9/14

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

0.176+/-0.000 χ^2/NDF : 1235188.0/22

0.169+/-0.000 χ^2/NDF : 1139794.7/23

yield_cav4bQ_mean vs slug



Right In: 401.165+/-0.000 χ^2/NDF : 149972782273.7/12

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

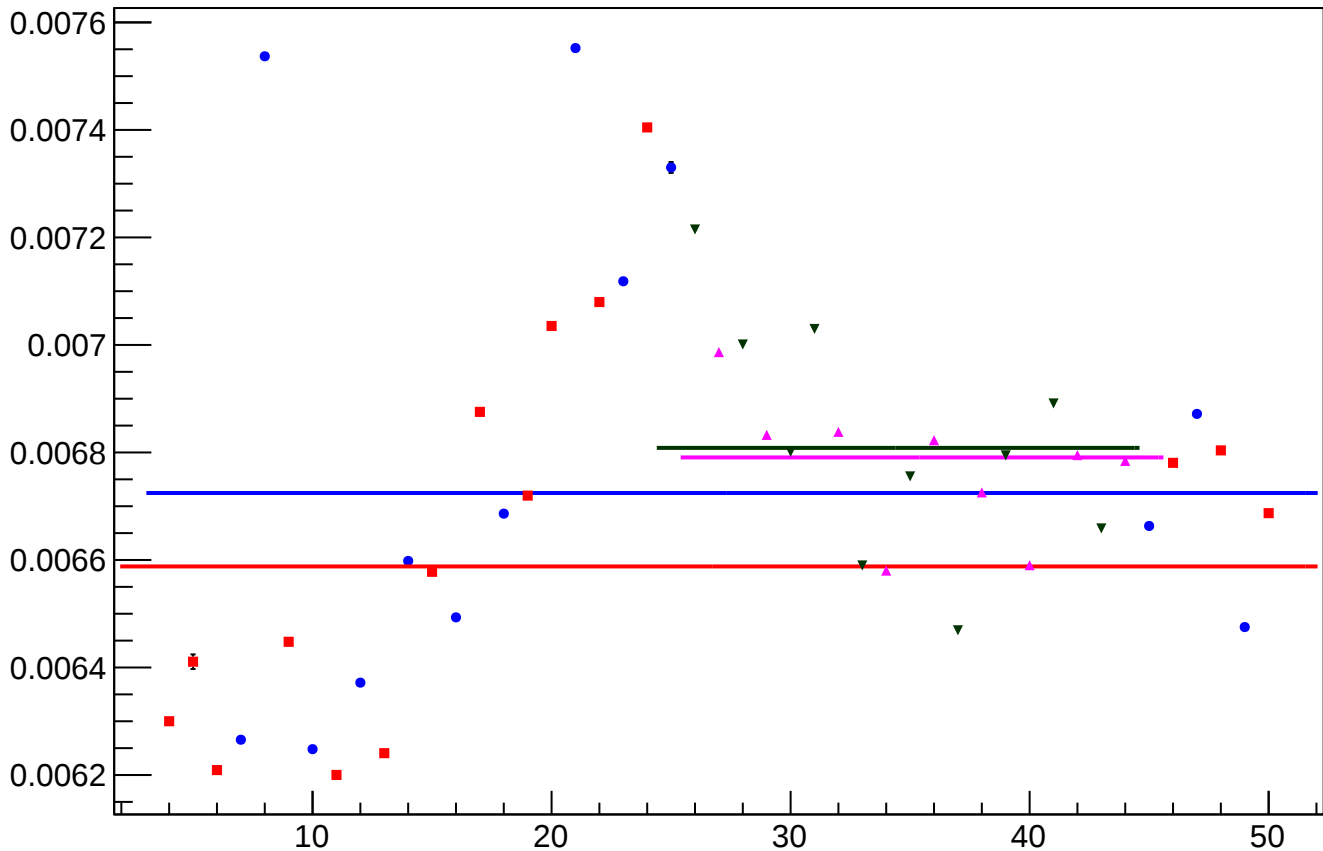
Right Out: 401.568+/-0.000 χ^2/NDF : 131790560100.2/14

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

400.873+/-0.000 χ^2/NDF : 191844389970.6/22

401.106+/-0.000 χ^2/NDF : 228524976180.2/23

yield_cav4bQ_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 66438.1/12

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

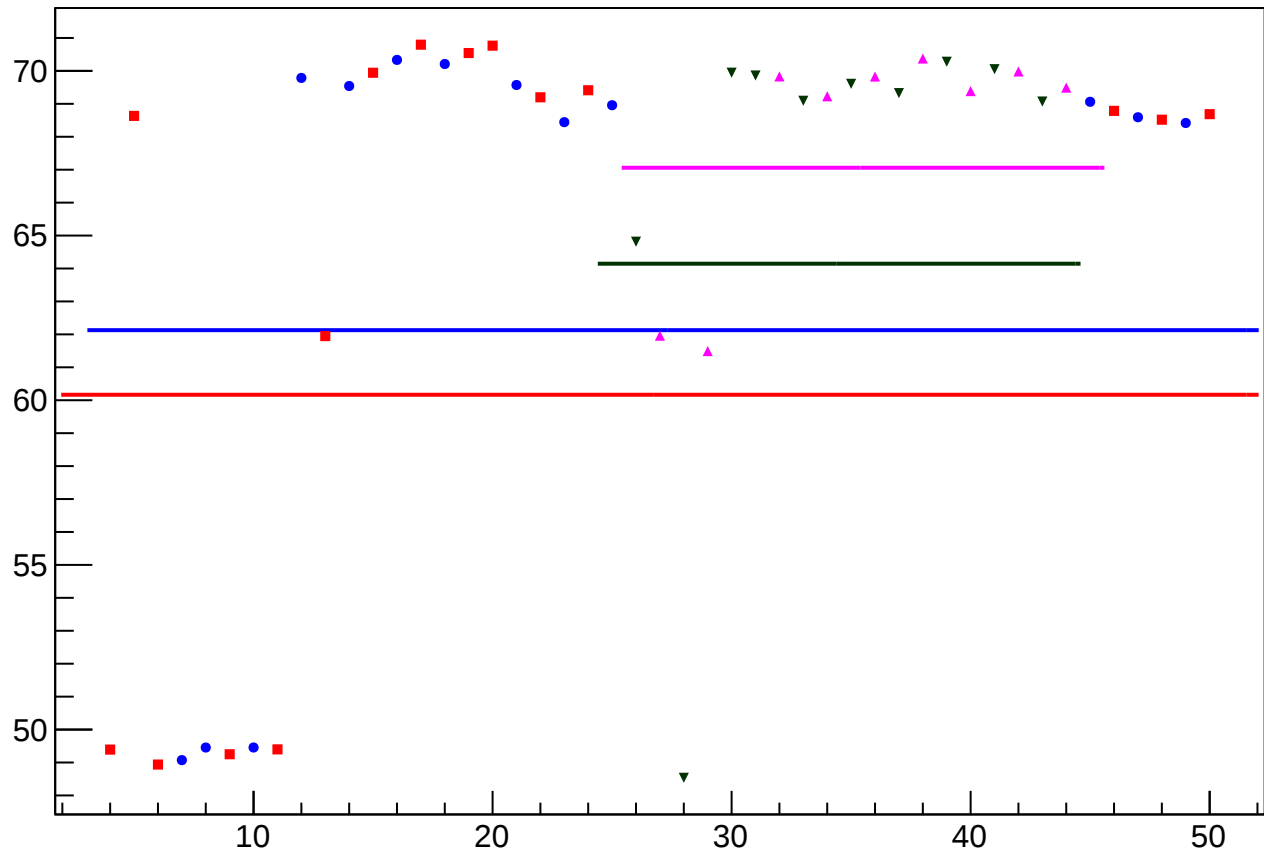
Right Out: 0.007+/-0.000 χ^2/NDF : 44534.5/14

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

0.007+/-0.000 χ^2/NDF : 77228.6/22

0.007+/-0.000 χ^2/NDF : 54092.8/23

yield_cav4cQ_mean vs slug



Right In: 62.128+/-0.000 χ^2/NDF : 15768854412.8/12

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

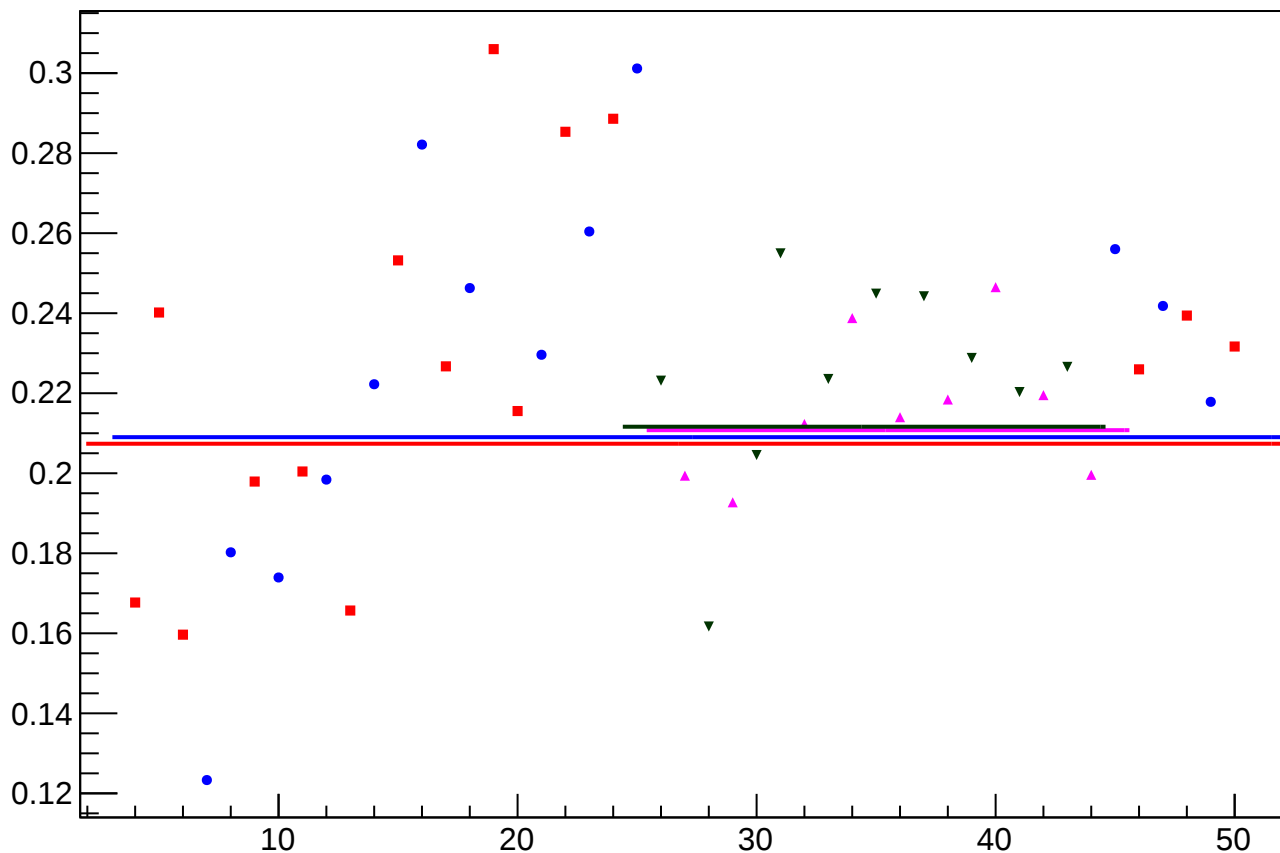
Right Out: 60.166+/-0.000 χ^2/NDF : 13639581204.6/14

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

62.902+/-0.000 χ^2/NDF : 24569755761.9/22

63.083+/-0.000 χ^2/NDF : 18418791038.4/23

yield_cav4cQ_rms vs slug



Right In: 0.209+/-0.000 χ^2/NDF : 577542.6/12

Left Out: 0.212+/-0.000 χ^2/NDF : 201414.9/9

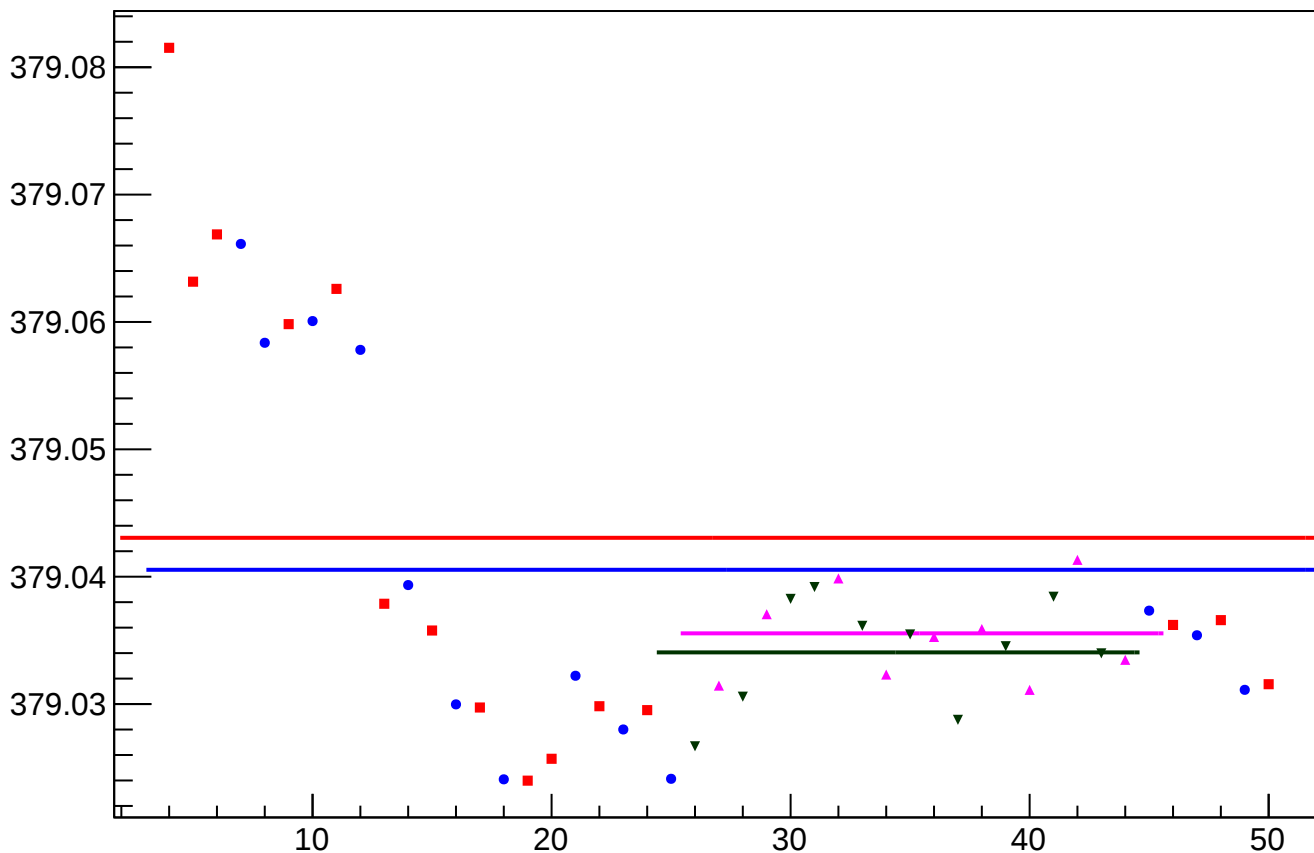
Right Out: 0.207+/-0.000 χ^2/NDF : 516897.6/14

Left In: 0.211+/-0.000 χ^2/NDF : 54593.1/8

0.210+/-0.000 χ^2/NDF : 779852.4/22

0.209+/-0.000 χ^2/NDF : 573003.8/23

yield_cav4dQ_mean vs slug



Right In: 379.041 $\pm$ 0.000 χ^2/NDF : 30918779.7/12

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

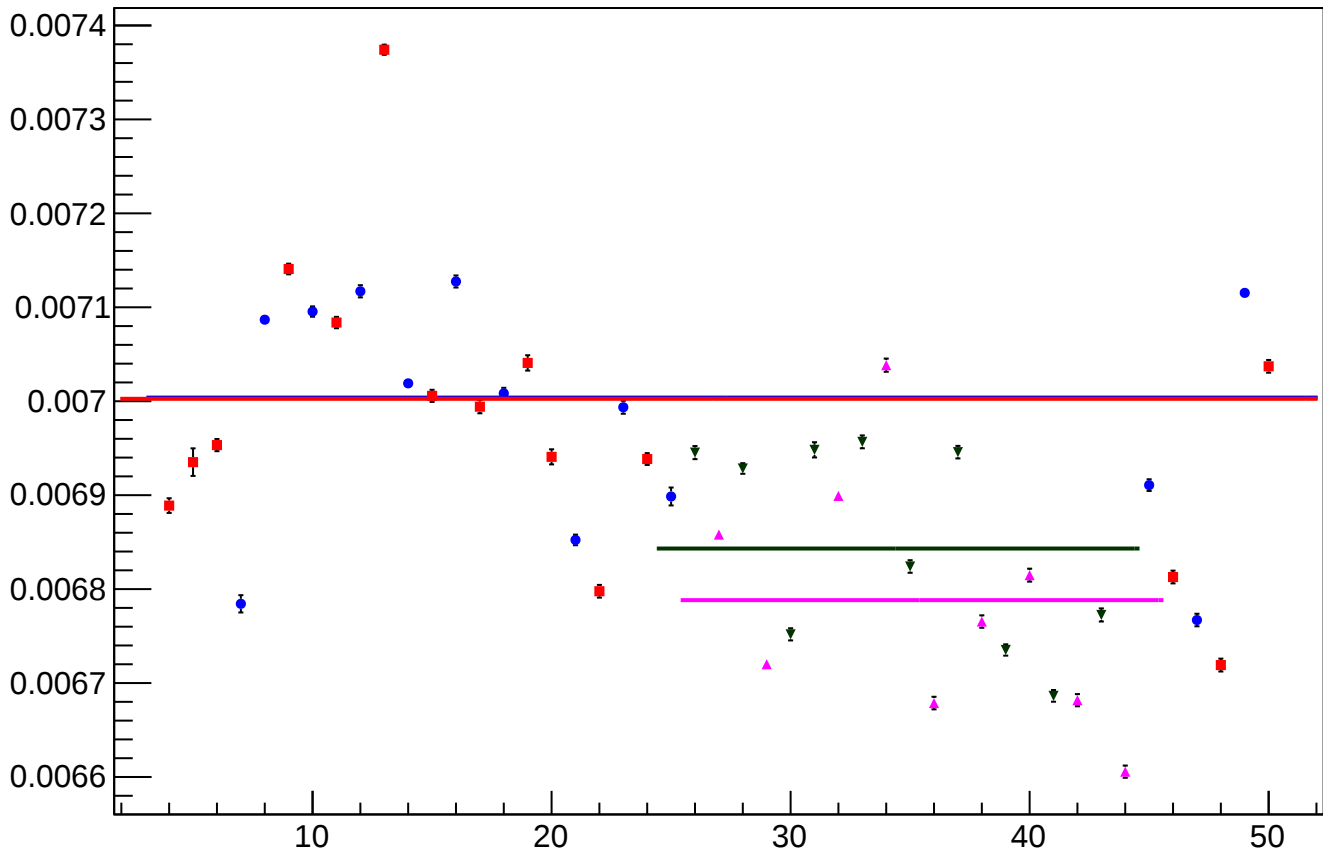
Right Out: 379.043 $\pm$ 0.000 χ^2/NDF : 43863815.3/14

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

379.038 $\pm$ 0.000 χ^2/NDF : 35612887.0/22

379.040 $\pm$ 0.000 χ^2/NDF : 49249163.3/23

yield_cav4dQ_rms vs slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 4524.7/12

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

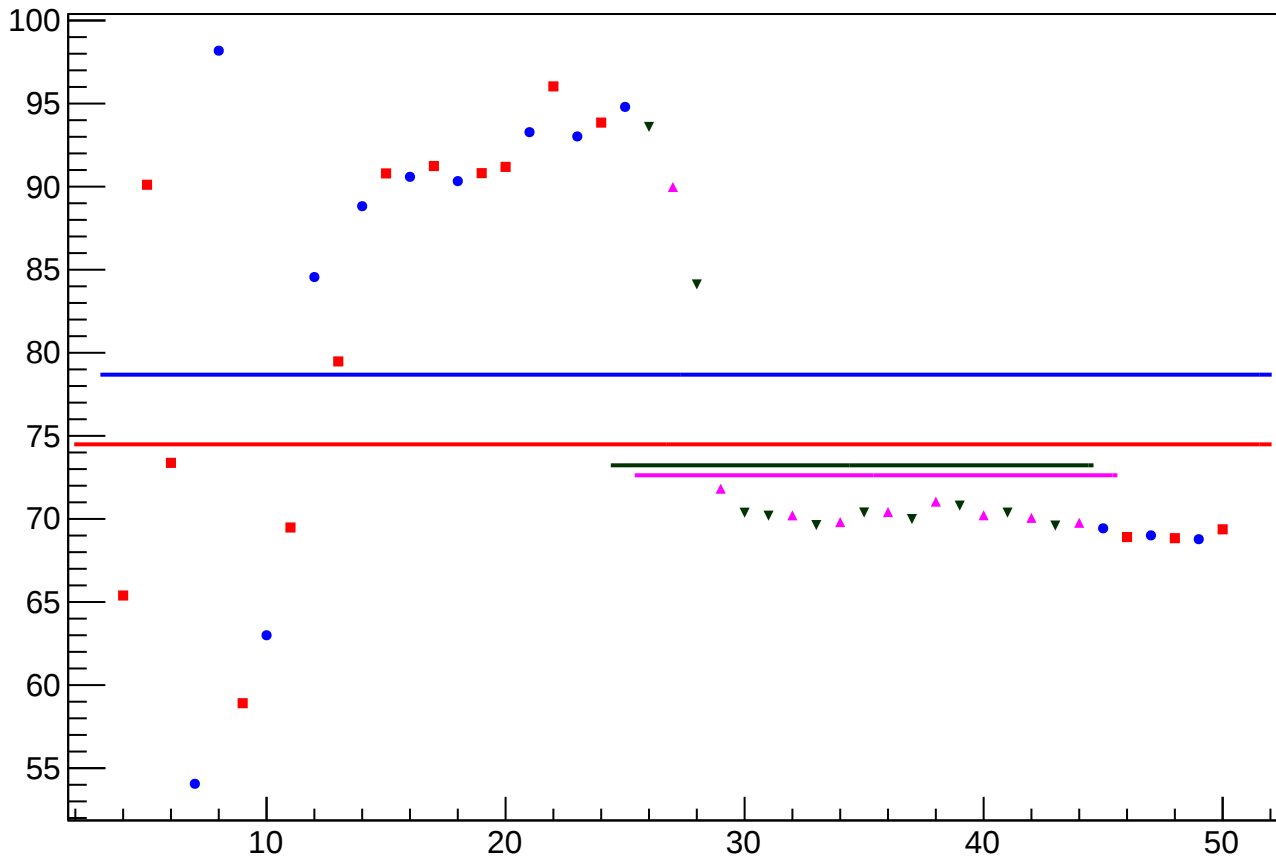
Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 9440.3/14

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

0.007 $\pm$ 0.000 χ^2 /NDF: 10474.9/22

0.007 $\pm$ 0.000 χ^2 /NDF: 19276.7/23

yield_bcm0l02_mean vs slug



Right In: 78.683+/-0.000 χ^2/NDF : 18517295615.7/12

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

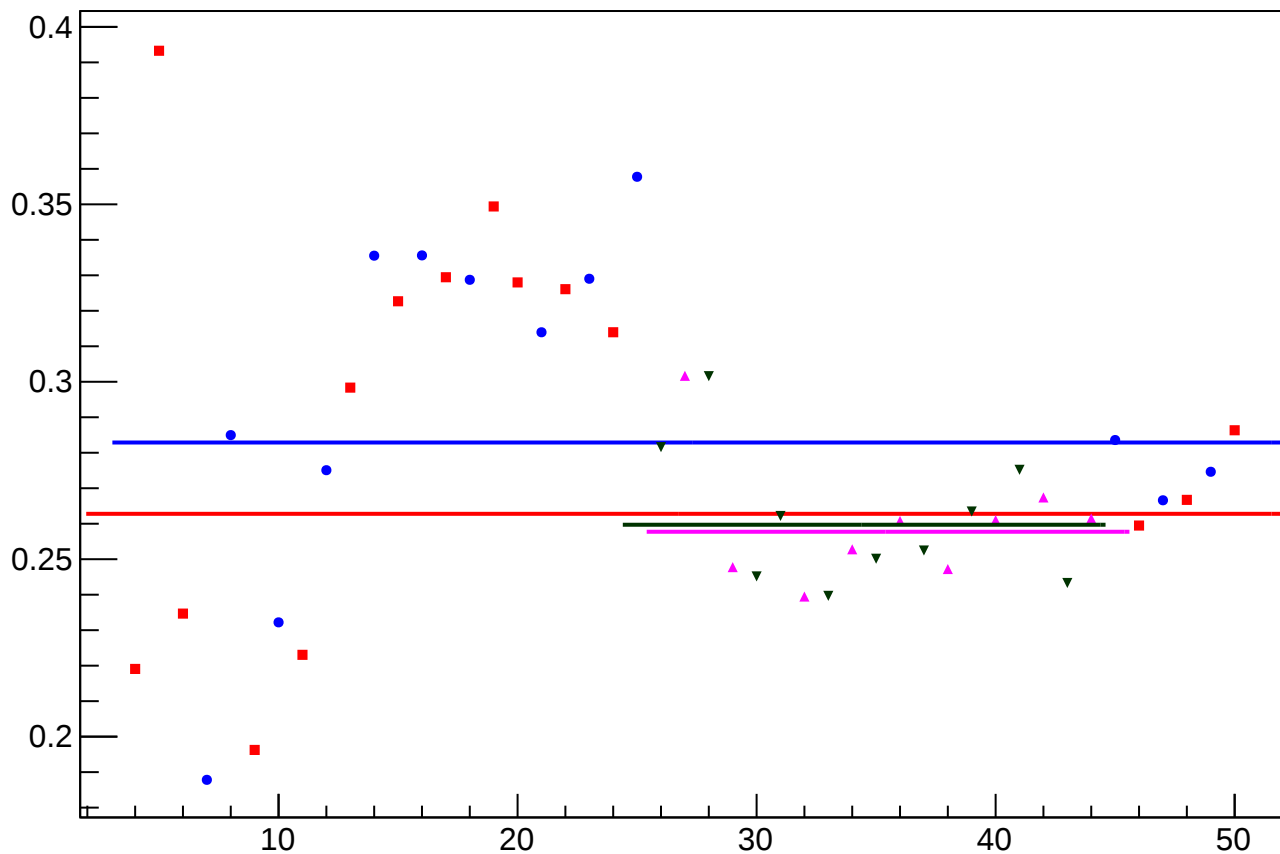
Right Out: 74.489+/-0.000 χ^2/NDF : 14214200543.2/14

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

76.302+/-0.000 χ^2/NDF : 23476140560.6/22

73.662+/-0.000 χ^2/NDF : 17295004986.1/23

yield_bcm0l02_rms vs slug



Right In: 0.283 ± 0.000 χ^2/NDF : 350681.8/12

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

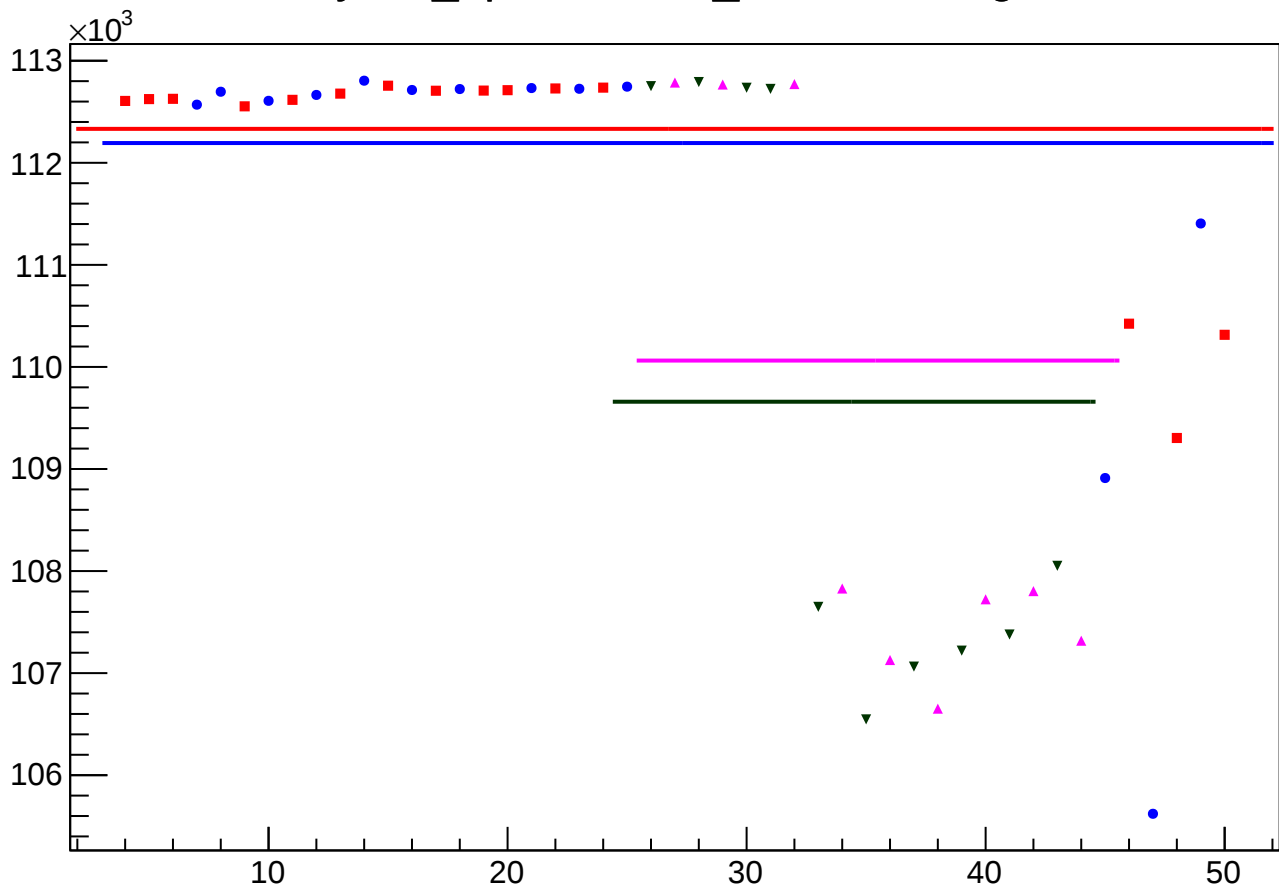
Right Out: 0.263 ± 0.000 χ^2/NDF : 489422.5/14

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

0.273 ± 0.000 χ^2/NDF : 442868.8/22

0.261 ± 0.000 χ^2/NDF : 540831.8/23

yield_bpm2i01WS_mean vs slug



Right In: 112193.610 ± 0.039 $\chi^2/\text{NDF}: 1488542799.2/12$

Left Out: 109659.144 ± 0.053 $\chi^2/\text{NDF}: 2686861752.7/9$

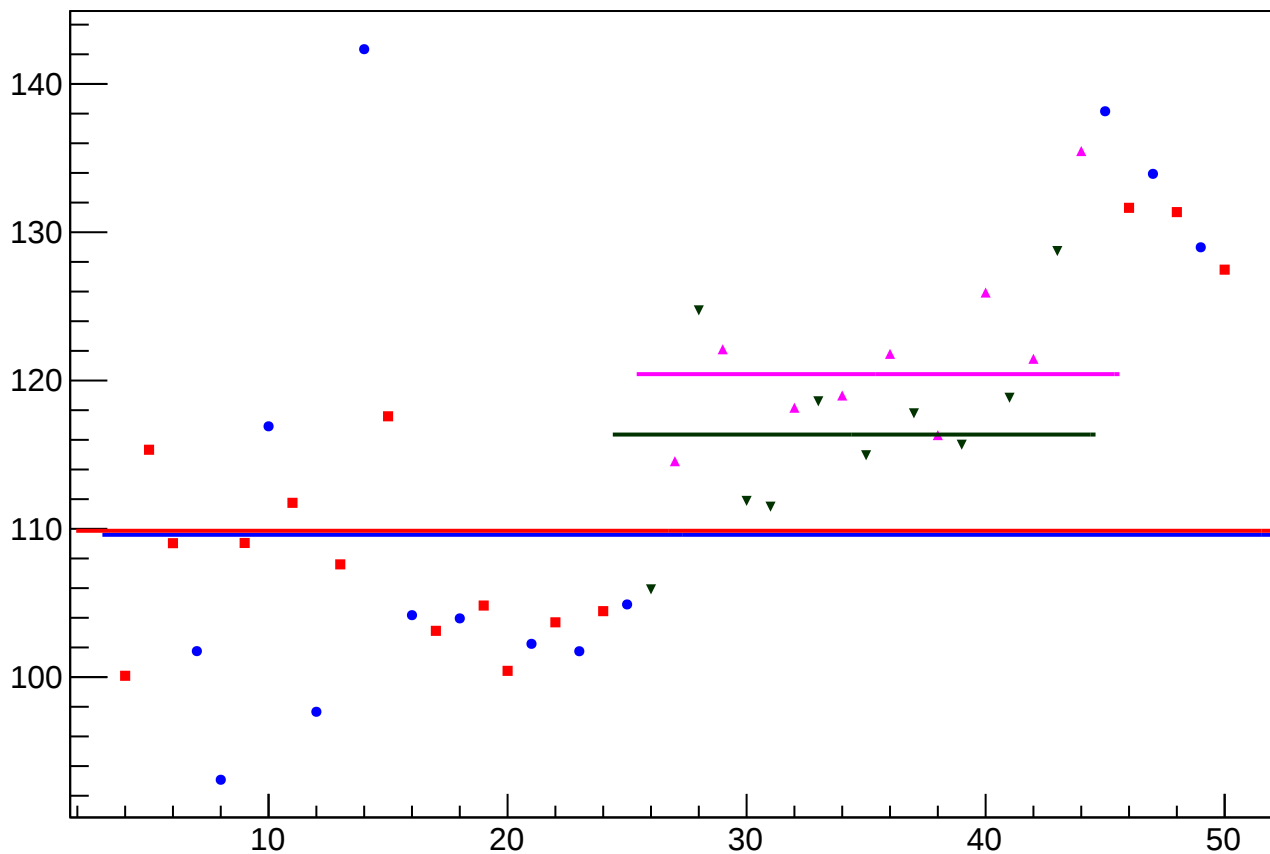
Right Out: 112332.614 ± 0.041 $\chi^2/\text{NDF}: 504383082.7/14$

Left In: 110062.356 ± 0.053 $\chi^2/\text{NDF}: 2589754971.8/8$

111297.712 ± 0.031 $\chi^2/\text{NDF}: 5663631765.0/22$

111498.528 ± 0.032 $\chi^2/\text{NDF}: 4243265420.8/23$

yield_bpm2i01WS_rms vs slug



Right In: 109.598 $\pm$ 0.028 χ^2 /NDF: 316016.6/12

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

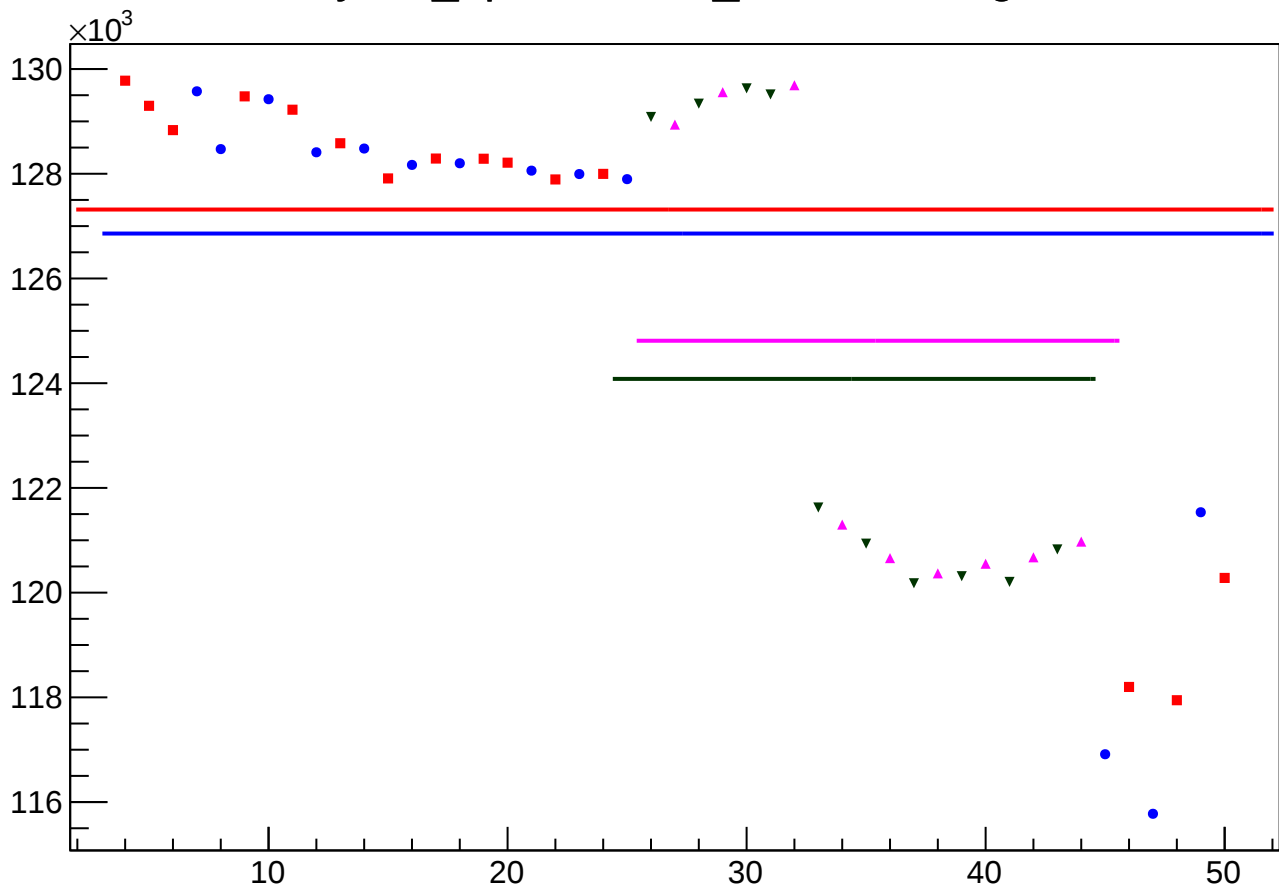
Right Out: 109.868 $\pm$ 0.029 χ^2 /NDF: 93283.9/14

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

111.987 $\pm$ 0.022 χ^2 /NDF: 364003.5/22

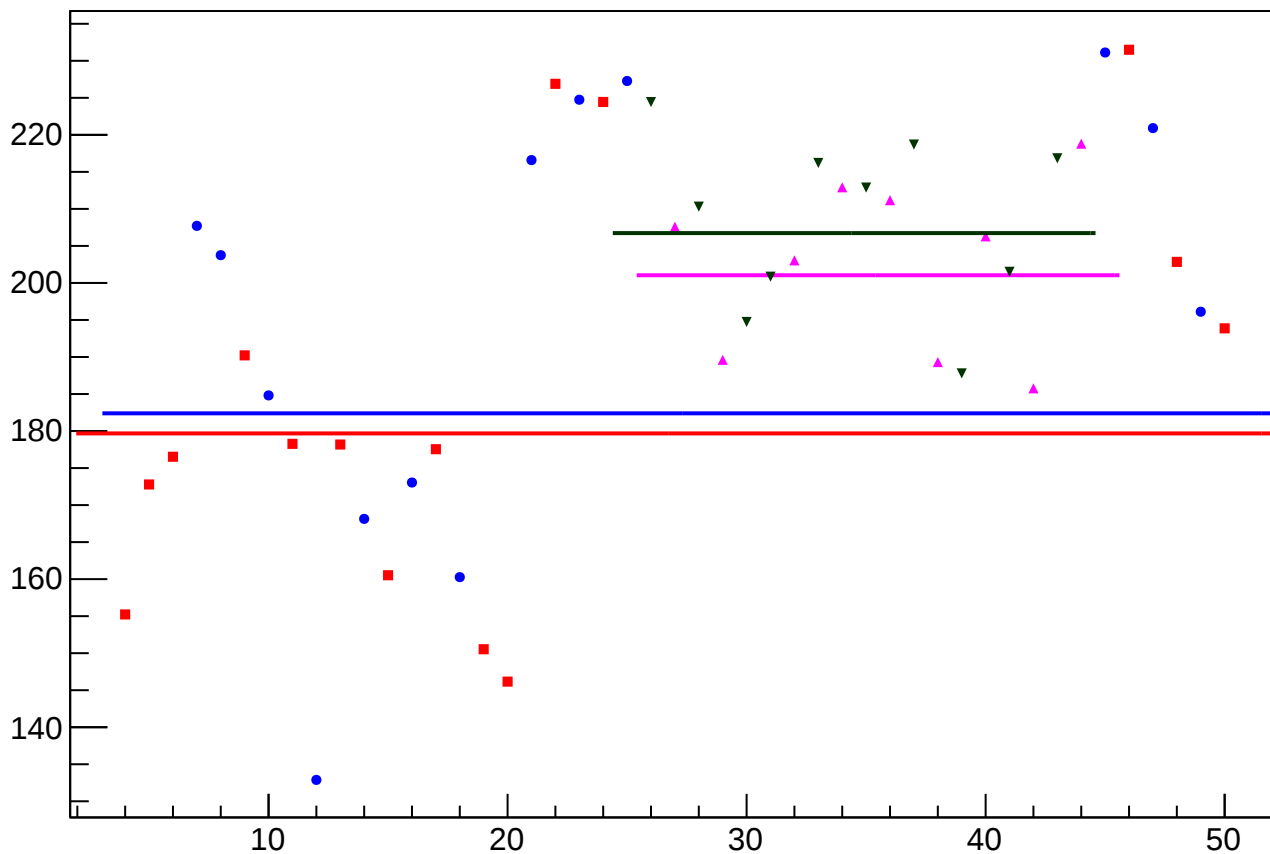
113.749 $\pm$ 0.023 χ^2 /NDF: 161959.7/23

yield_bpm0i07WS_mean vs slug



Right In: 126858.107 $\pm$ 0.064	χ^2 /NDF: 3316949802.6/12	125918.117 $\pm$ 0.052	χ^2 /NDF: 6238043075.6/23
Left Out: 124081.986 $\pm$ 0.090	χ^2 /NDF: 2292578151.5/9		
Right Out: 127316.674 $\pm$ 0.066	χ^2 /NDF: 2609808286.6/14	126374.526 $\pm$ 0.052	χ^2 /NDF: 5759414398.6/23
Left In: 124810.637 $\pm$ 0.085	χ^2 /NDF: 2608172131.0/8		

yield_bpm0i07WS_rms vs slug



Right In: 182.393 $\pm$ 0.046 χ^2 /NDF: 413731.2/12

Left Out: 206.733 $\pm$ 0.064 χ^2 /NDF:32612.0/9

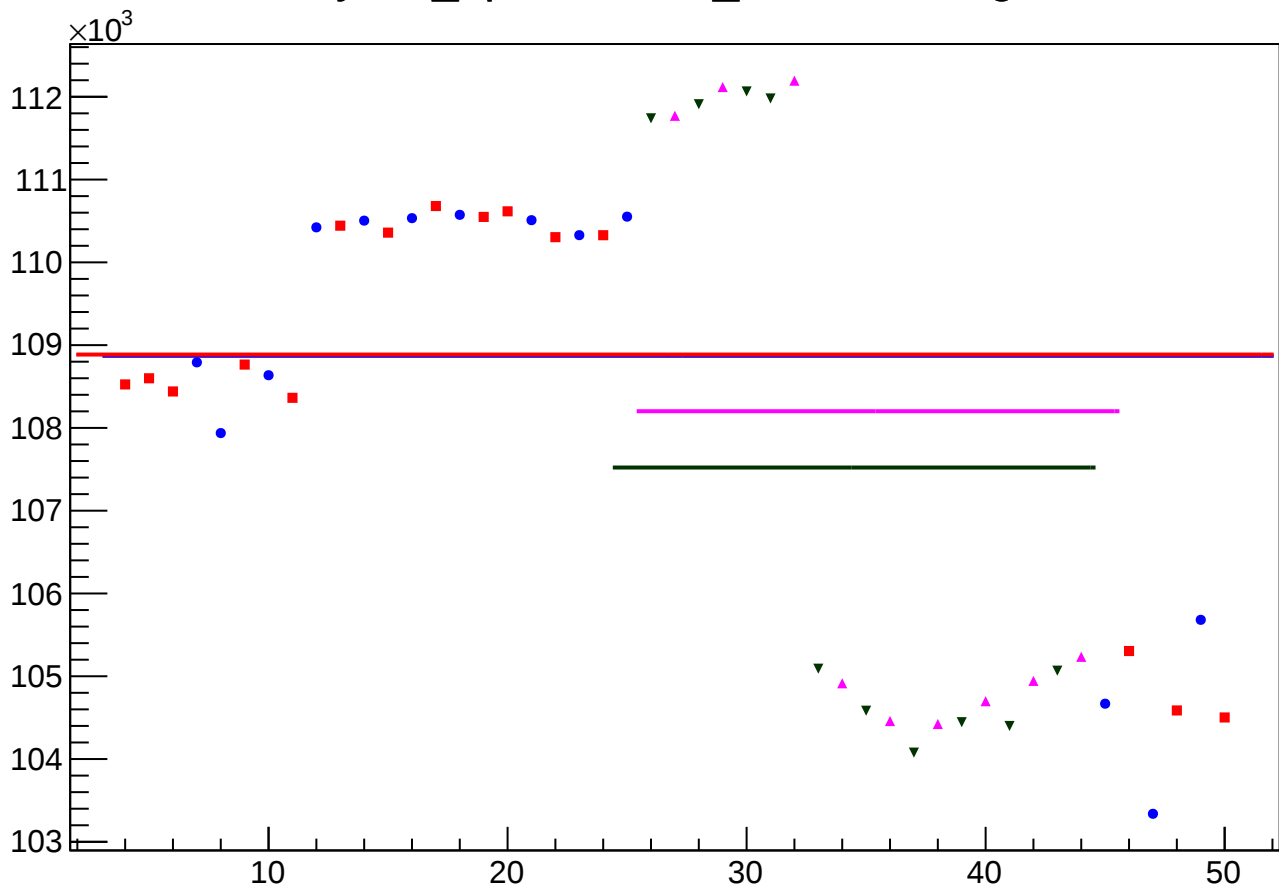
Right Out: 179.680 $\pm$ 0.047 χ^2 /NDF: 246309.1/14

Left In: 201.040 $\pm$ 0.060 χ^2 /NDF:31613.0/8

190.635 $\pm$ 0.037 χ^2 /NDF: 542973.2/22

187.710 $\pm$ 0.037 χ^2 /NDF: 356586.1/23

yield_bpm0l01WS_mean vs slug



Right In: 108870.999 $\pm$ 0.042 χ^2 /NDF: 2678555615.8/12

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

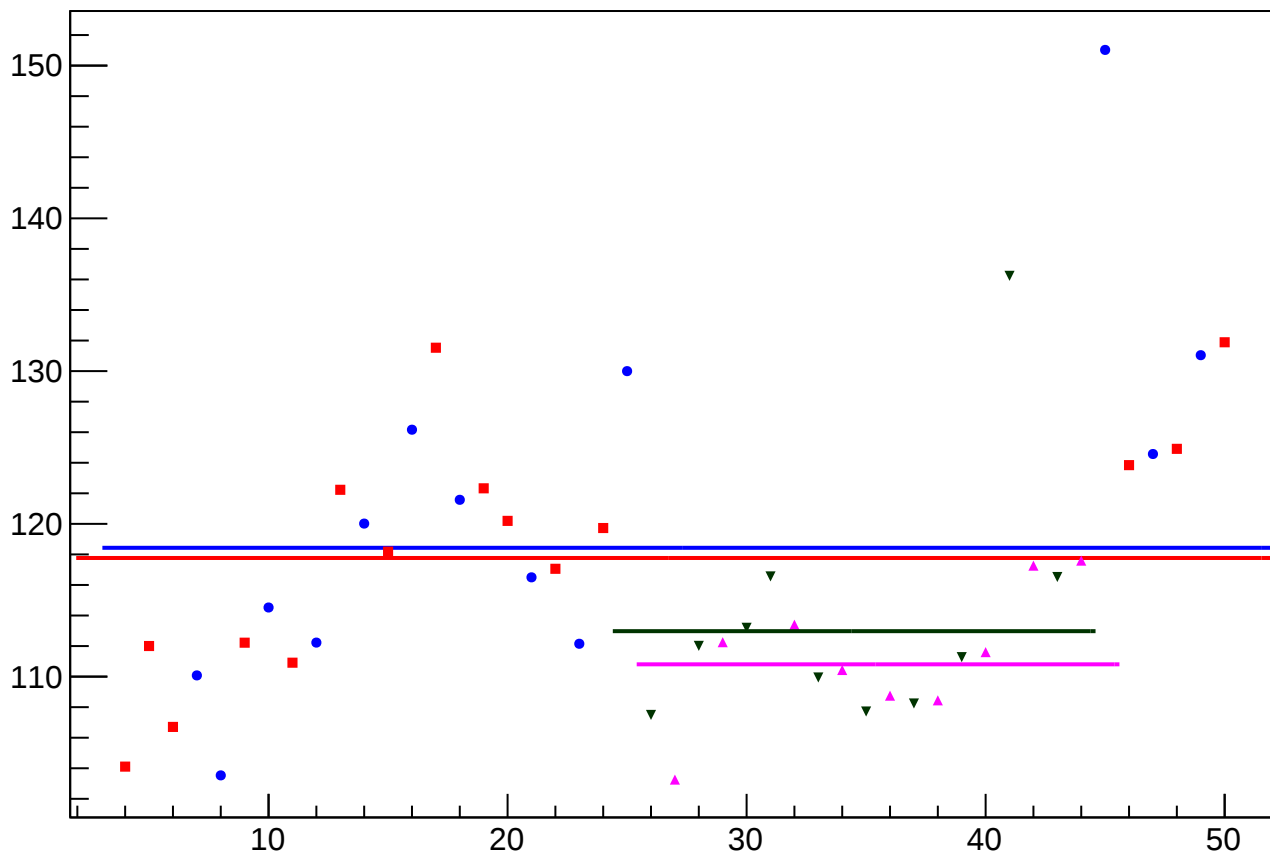
Right Out: 108886.178 $\pm$ 0.043 χ^2 /NDF: 2054135341.6/14

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

108312.353 $\pm$ 0.032 χ^2 /NDF: 8437267108.2/22

108572.875 $\pm$ 0.032 χ^2 /NDF: 8154429735.9/23

yield_bpm0l01WS_rms vs slug



Right In: 118.433 ± 0.029 χ^2/NDF : 126079.8/12

Left Out: 112.975 ± 0.035 χ^2/NDF : 42849.8/9

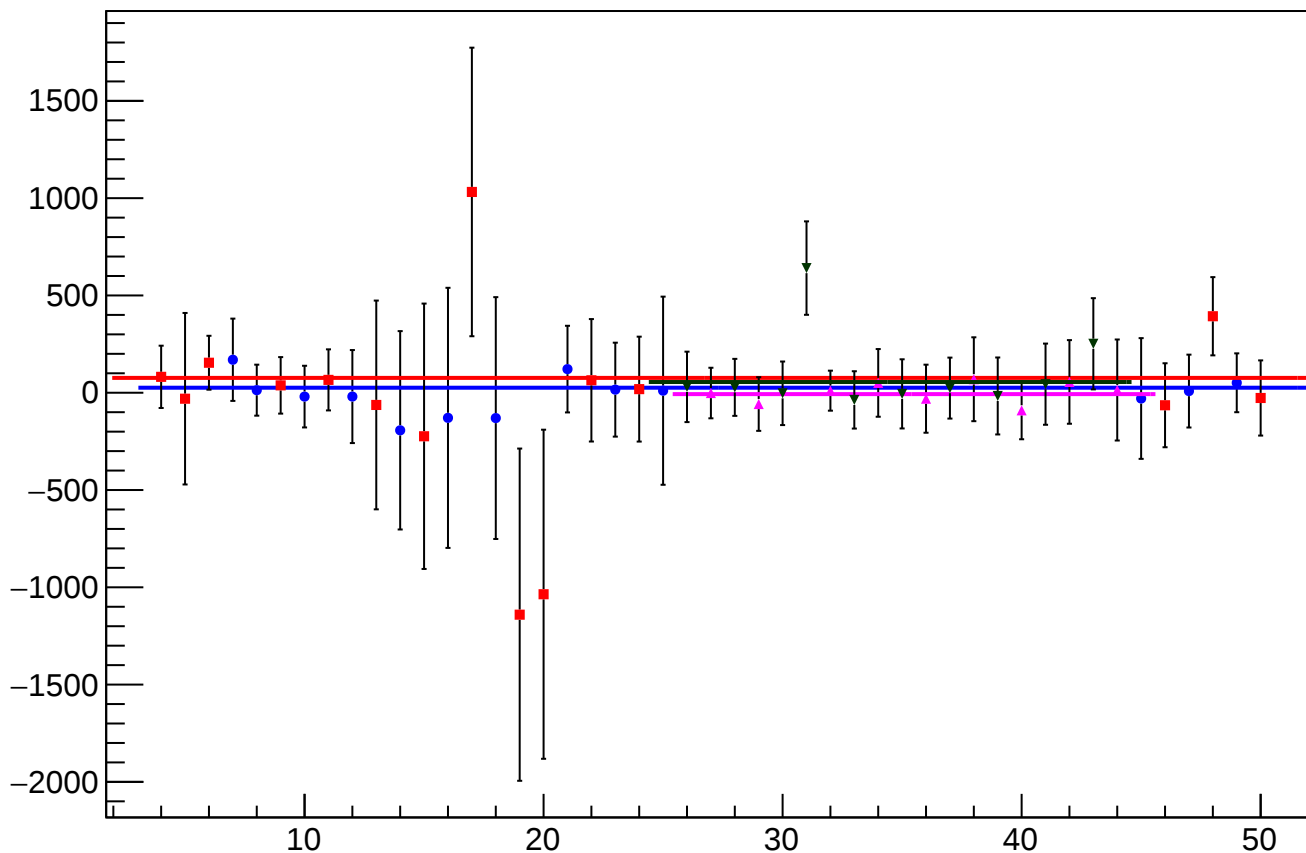
116.174 ± 0.022 χ^2/NDF : 183242.8/22

Right Out: 117.766 ± 0.030 χ^2/NDF : 62959.7/14

114.580 ± 0.022 χ^2/NDF : 104388.5/23

Left In: 110.804 ± 0.033 χ^2/NDF : 17542.1/8

asym_bcm_an_ds_mean vs slug



Right In: 25.824 ± 60.769 χ^2/NDF : 1.1/12

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

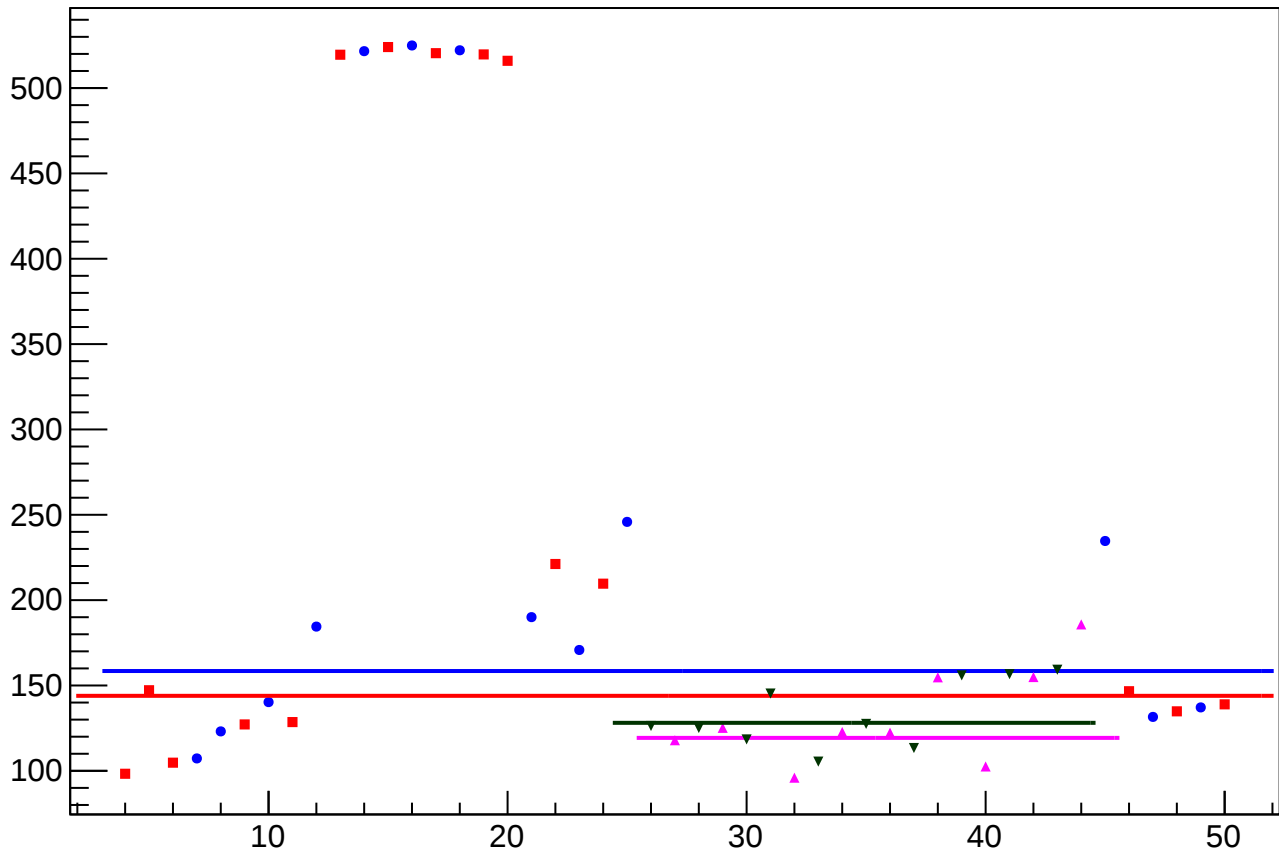
Right Out: 76.314 ± 58.582 χ^2/NDF : 9.4/14

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

41.592 ± 41.241 χ^2/NDF : 8.8/22

29.365 ± 38.726 χ^2/NDF : 11.3/23

asym_bcm_an_ds_rms vs slug



Right In: 158.475+/-0.043 χ^2/NDF : 2926323.6/12

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

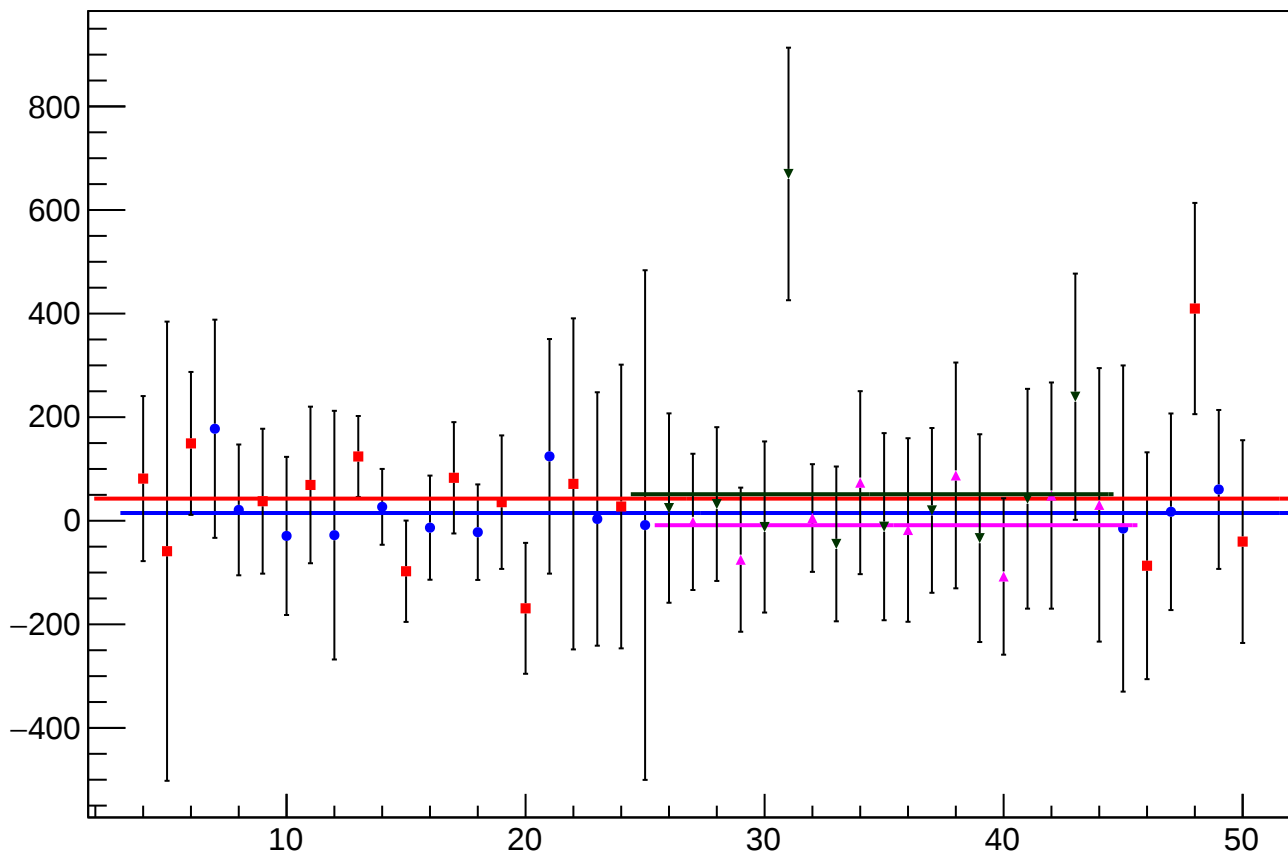
142.103+/-0.029 χ^2/NDF : 3391193.4/22

Right Out: 143.943+/-0.041 χ^2/NDF : 3504952.6/14

130.072+/-0.027 χ^2/NDF : 4077890.9/23

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

asym_bcm_an_ds3_mean vs slug



Right In: 14.976 ± 38.656 χ^2/NDF : 1.3/12

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

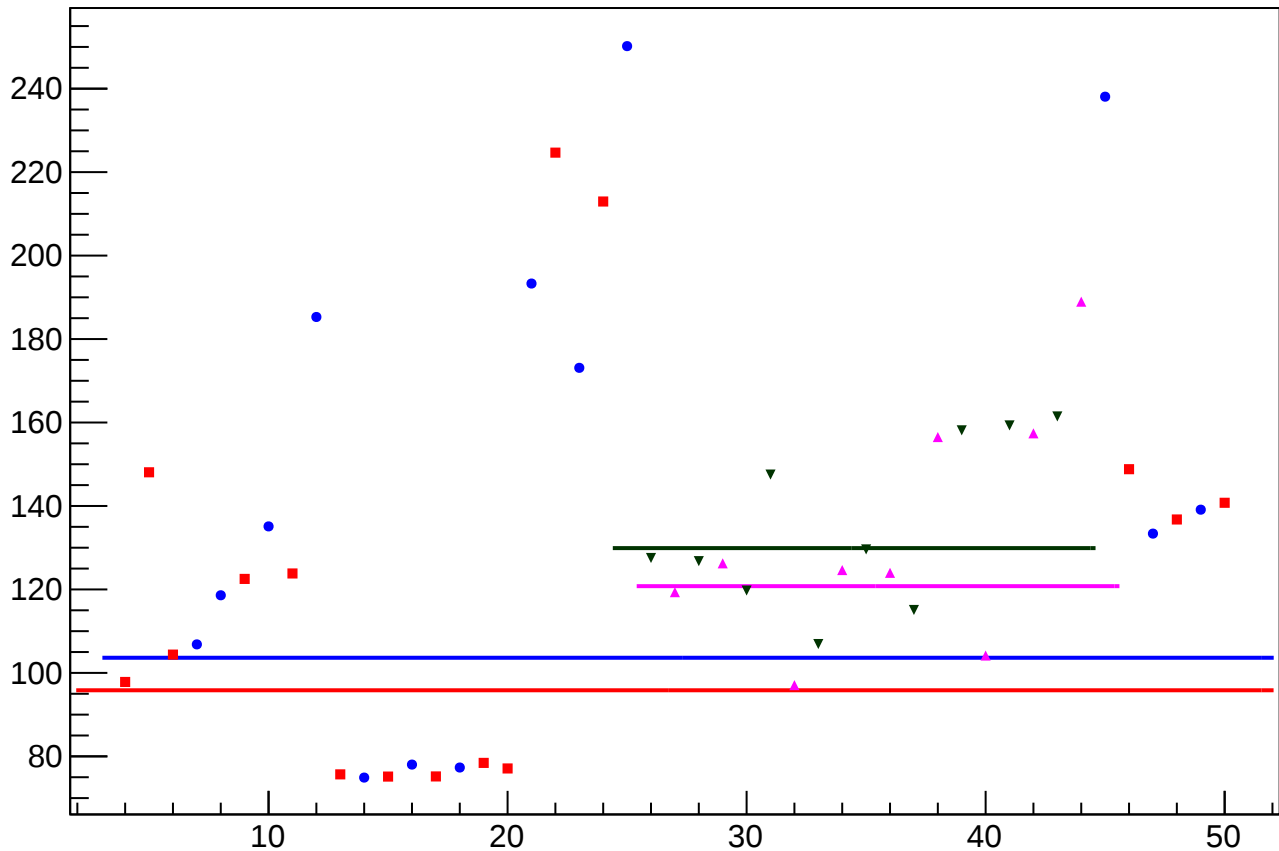
Right Out: 42.746 ± 36.191 χ^2/NDF : 10.6/14

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

26.417 ± 31.982 χ^2/NDF : 9.6/22

26.110 ± 29.755 χ^2/NDF : 12.4/23

asym_bcm_an_ds3_rms vs slug



Right In: 103.630+/-0.027 χ^2/NDF : 2117912.1/12

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

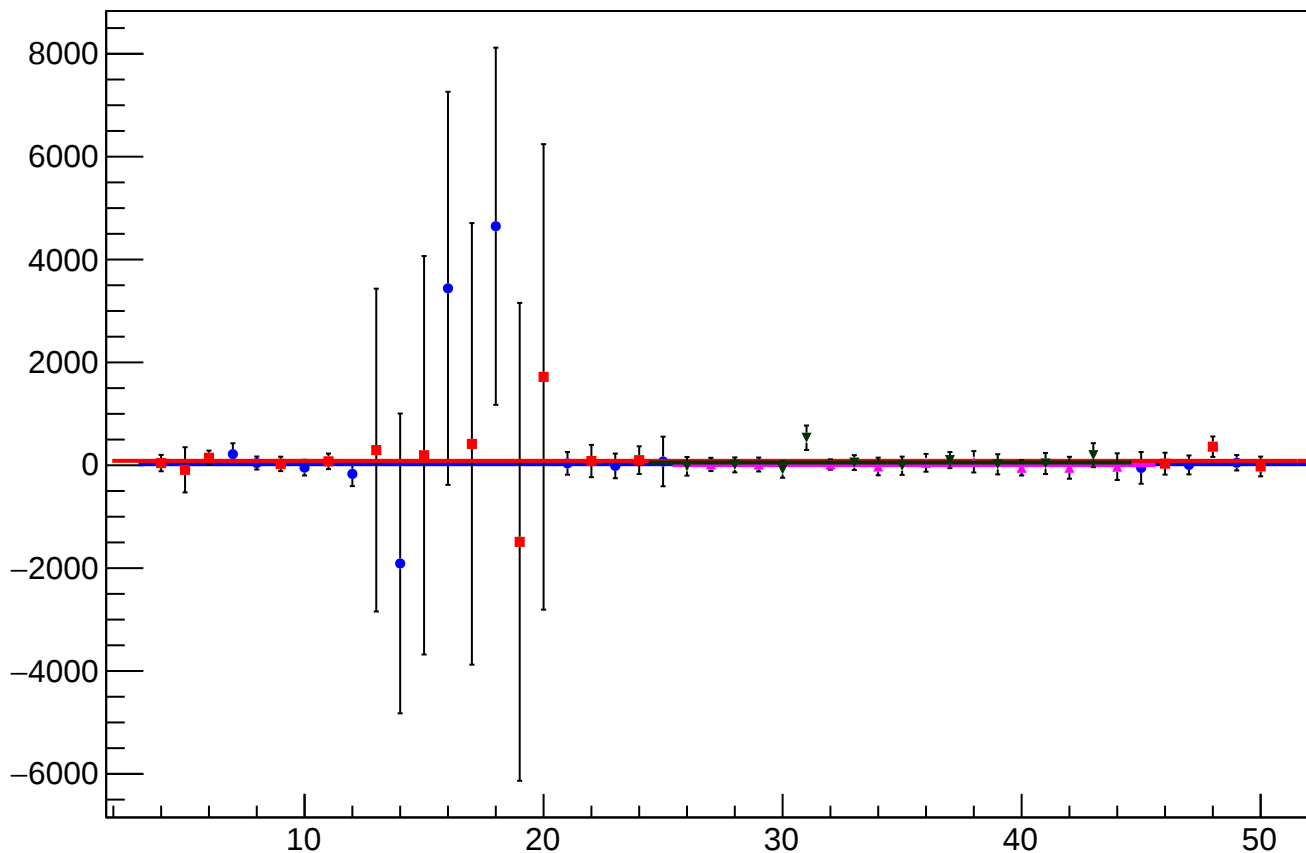
111.919+/-0.023 χ^2/NDF : 2606575.2/22

Right Out: 95.836+/-0.026 χ^2/NDF : 1547231.2/14

103.921+/-0.021 χ^2/NDF : 2231770.9/23

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

asym_bcm_an_us_mean vs slug



Right In: 21.265+/-60.598 χ^2/NDF : 4.9/12

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

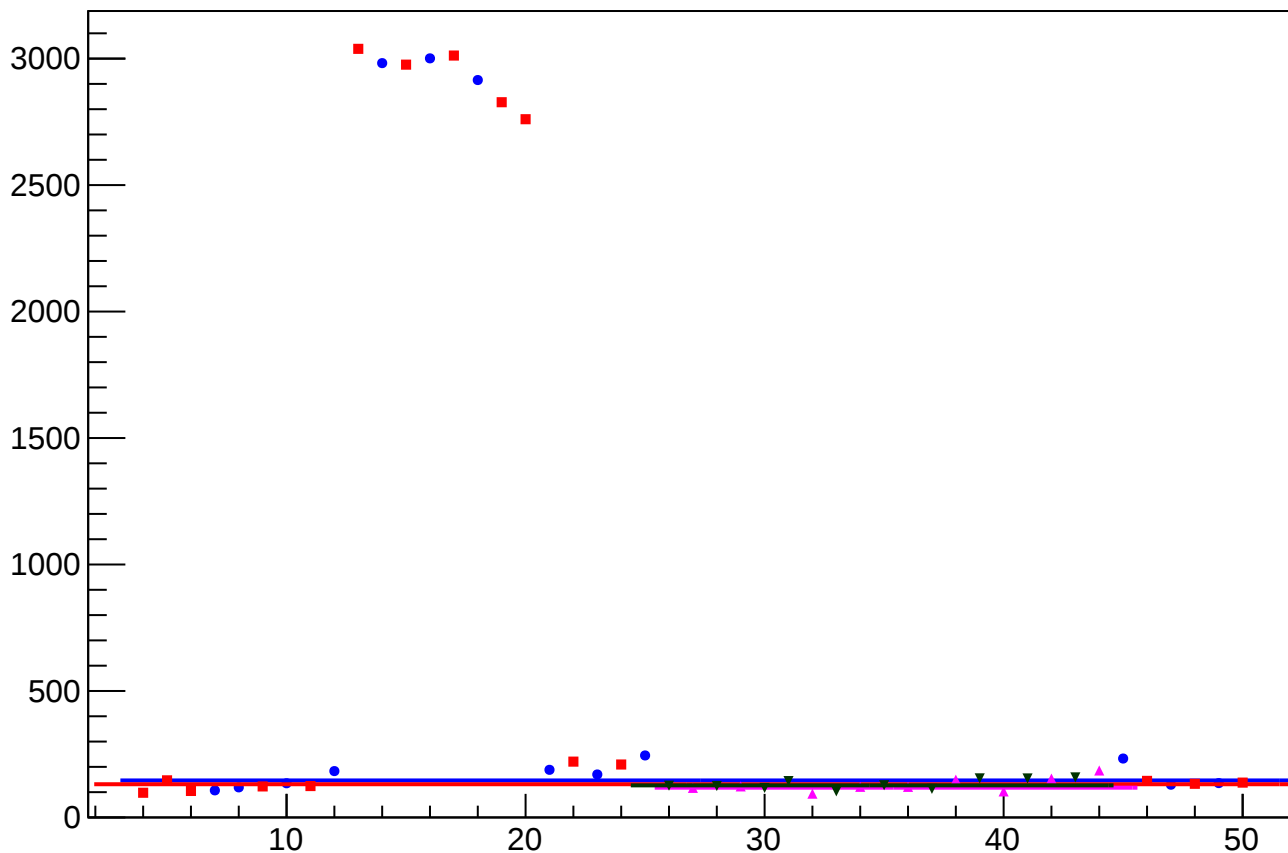
Right Out: 86.691+/-58.689 χ^2/NDF : 3.2/14

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

38.933+/-40.988 χ^2/NDF : 10.7/22

40.199+/-38.465 χ^2/NDF : 4.7/23

asym_bcm_an_us_rms vs slug



Right In: 146.305+/-0.043 χ^2/NDF : 4863455.4/12

Left Out: 126.861+/-0.039 χ^2/NDF :201202.8/9

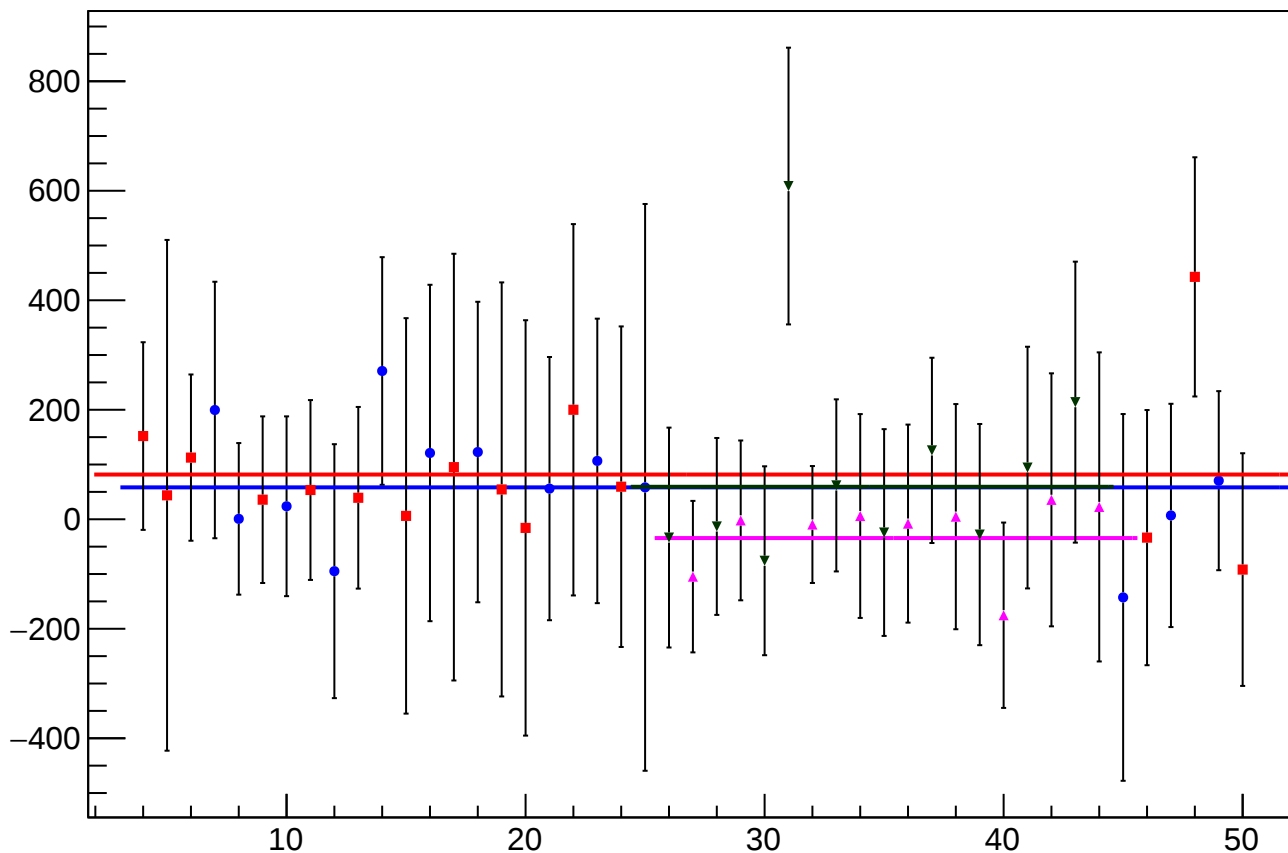
Right Out: 131.328+/-0.041 χ^2/NDF : 5562420.0/14

Left In: 117.710+/-0.036 χ^2/NDF :374948.7/8

135.757+/-0.029 χ^2/NDF : 5176364.1/22

123.560+/-0.027 χ^2/NDF : 5998796.9/23

asym_bcm_dg_us_mean vs slug



Right In: 58.260+/-59.835 χ^2/NDF : 2.6/12

Left Out: 59.318+/-60.188 χ^2/NDF : 6.7/9

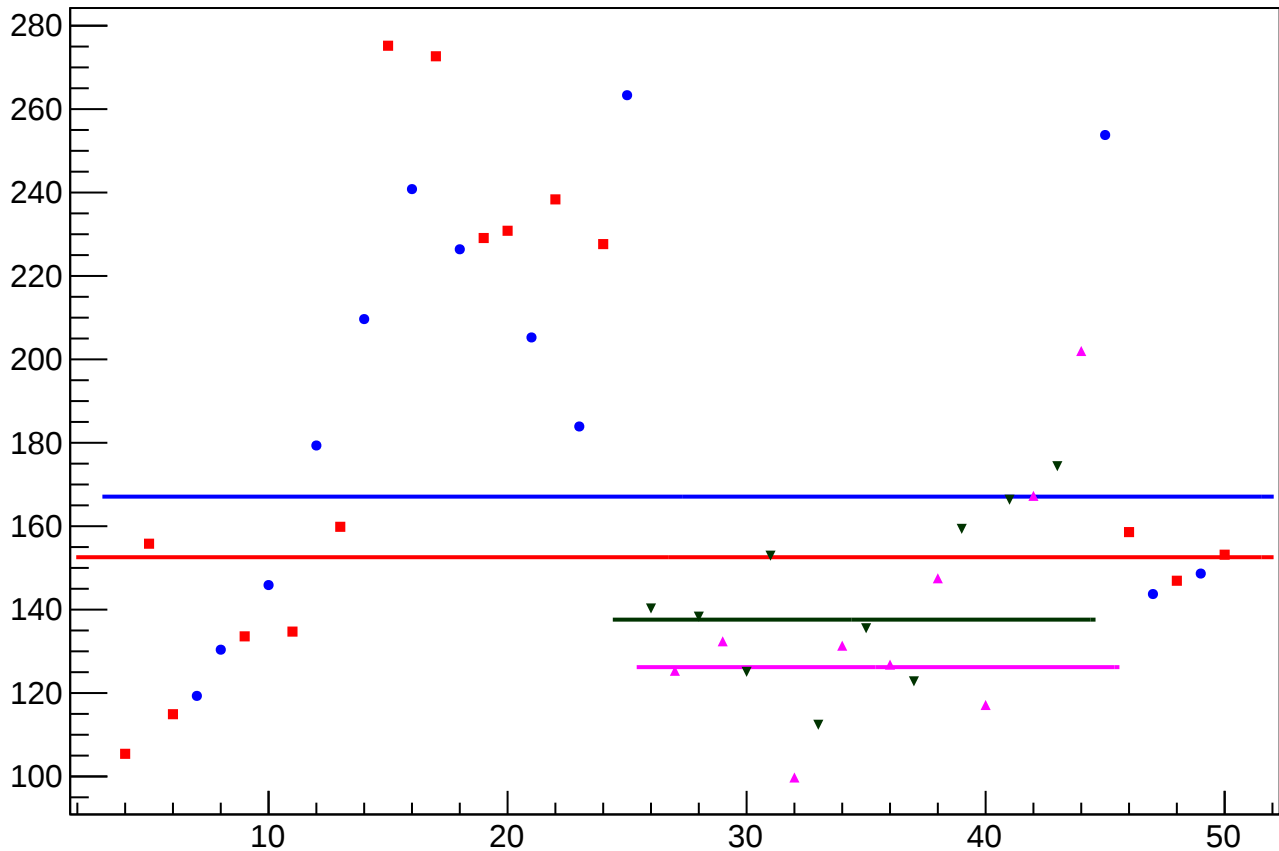
Right Out: 81.696+/-56.917 χ^2/NDF : 4.3/14

Left In: -34.328+/-54.542 χ^2/NDF : 1.3/8

58.786+/-42.434 χ^2/NDF : 9.3/22

21.213+/-39.380 χ^2/NDF : 7.7/23

asym_bcm_dg_us_rms vs slug



Right In: 167.092 $\pm$ 0.042 χ^2 /NDF: 868755.4/12

Left Out: 137.600 $\pm$ 0.043 χ^2 /NDF:183507.0/9

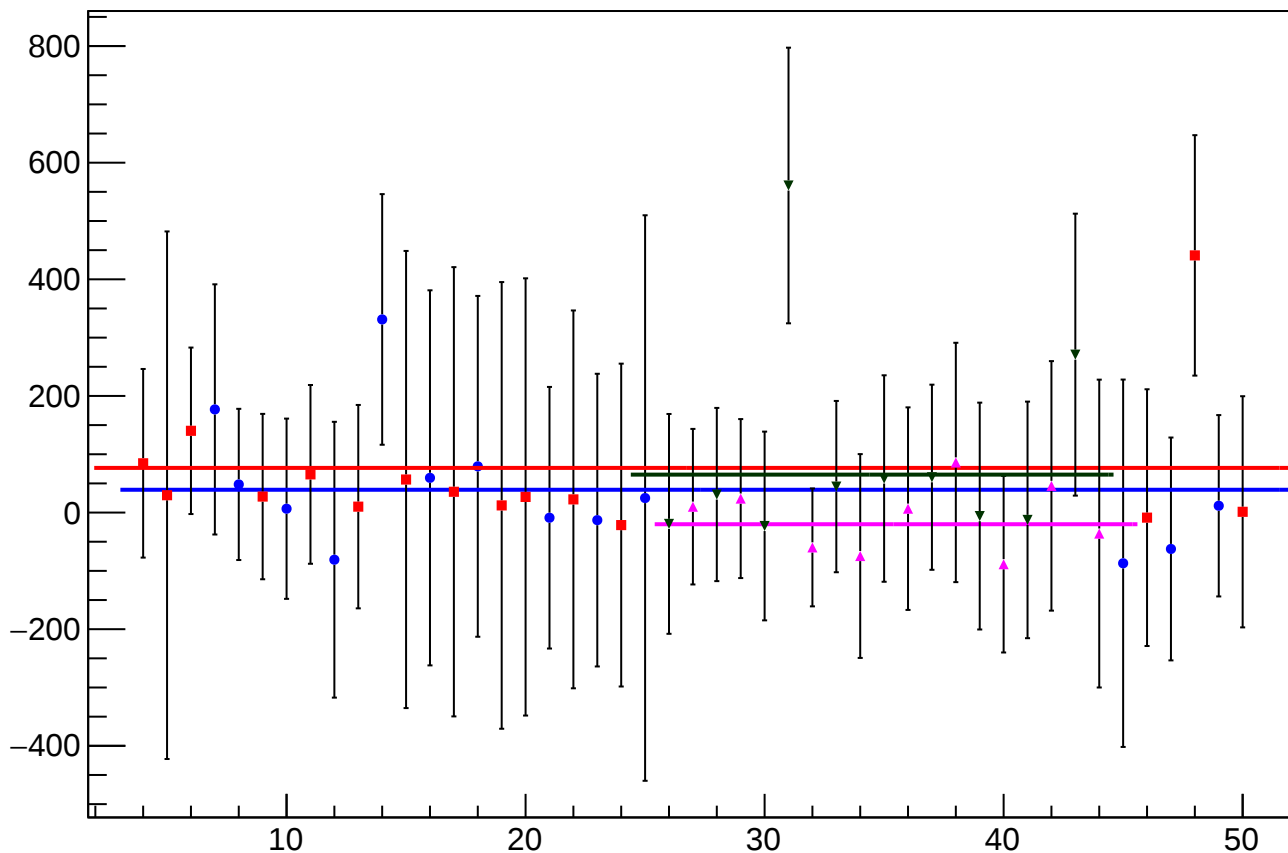
152.433 $\pm$ 0.030 χ^2 /NDF: 1293776.5/22

Right Out: 152.566 $\pm$ 0.040 χ^2 /NDF: 1182715.5/14

138.828 $\pm$ 0.028 χ^2 /NDF: 1768854.5/23

Left In: 126.212 $\pm$ 0.039 χ^2 /NDF:362614.3/8

asym_bcm_dg_ds_mean vs slug



Right In: 39.107 $\pm$ 57.466 χ^2 /NDF: 3.2/12

Left Out: 65.067 $\pm$ 56.313 χ^2 /NDF: 6.0/9

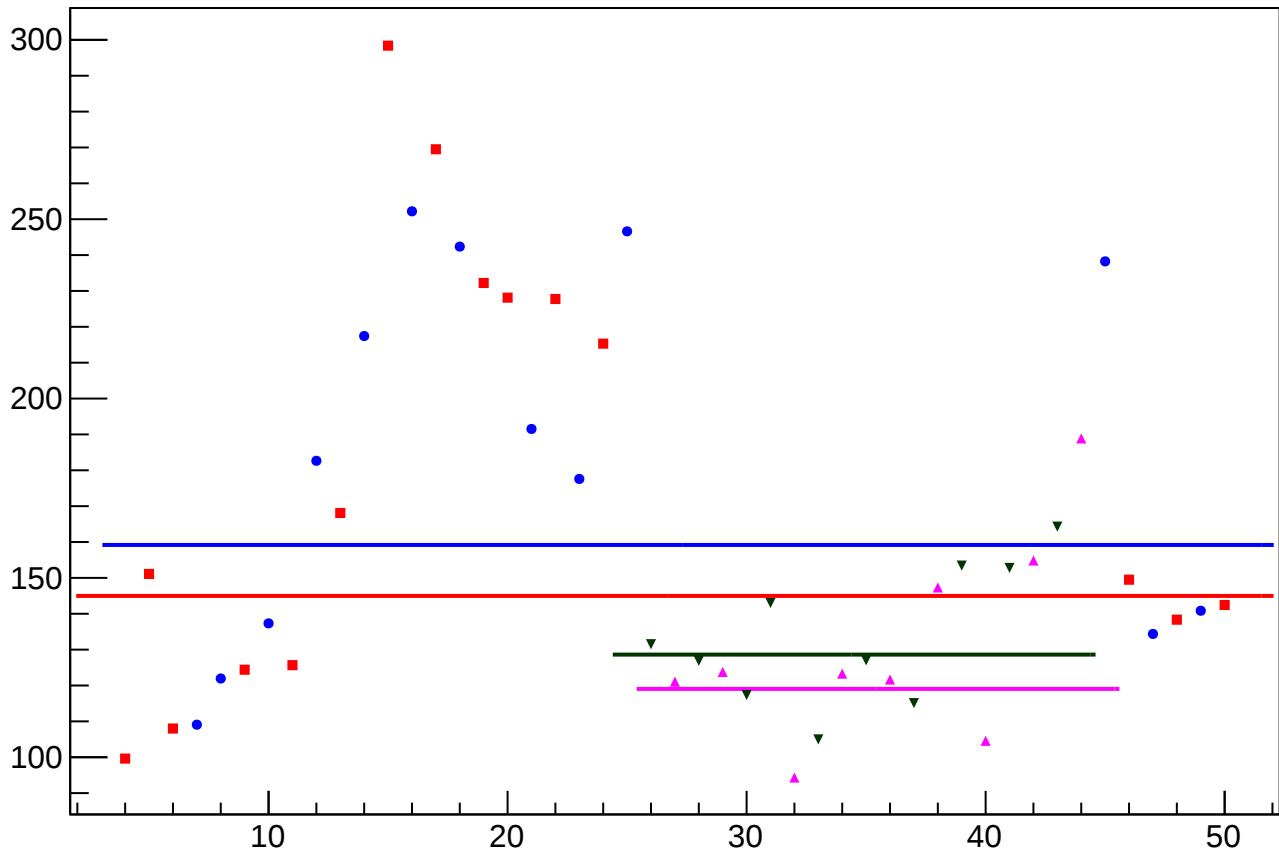
Right Out: 76.590 $\pm$ 54.496 χ^2 /NDF: 4.1/14

Left In: -19.993 $\pm$ 51.483 χ^2 /NDF: 1.0/8

52.350 $\pm$ 40.221 χ^2 /NDF: 9.2/22

25.555 $\pm$ 37.424 χ^2 /NDF: 6.8/23

asym_bcm_dg_ds_rms vs slug



Right In: 159.185+/-0.041 χ^2/NDF : 1114834.4/12

Left Out: 128.616+/-0.040 χ^2/NDF :188850.5/9

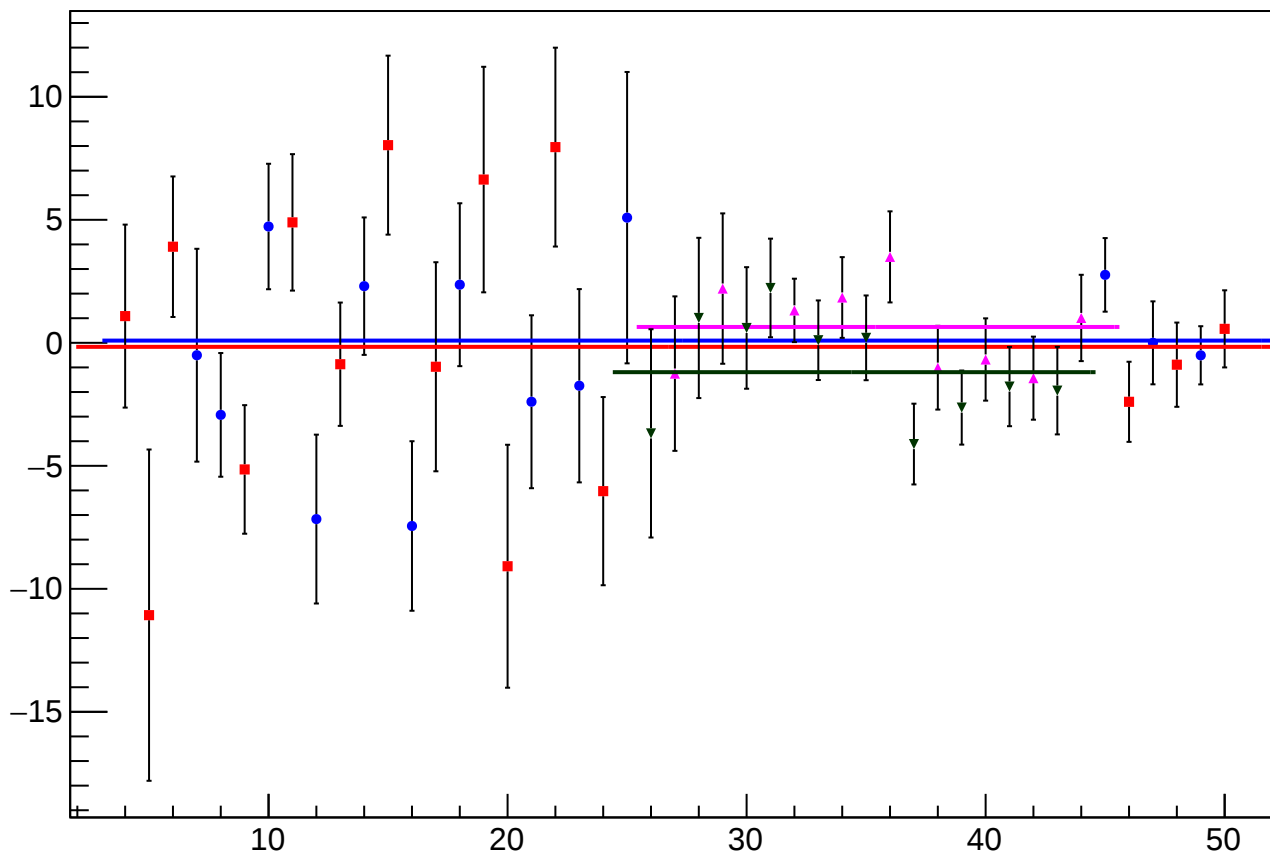
143.591+/-0.028 χ^2/NDF : 1592383.6/22

Right Out: 144.979+/-0.039 χ^2/NDF : 1381168.2/14

131.280+/-0.026 χ^2/NDF : 1996545.1/23

Left In: 119.054+/-0.036 χ^2/NDF :376220.0/8

asym_cav4bQ_mean vs slug



Right In: 0.090 $\pm$ 0.640 χ^2 /NDF: 20.0/12

Left Out: -1.193 $\pm$ 0.598 χ^2 /NDF: 9.9/9

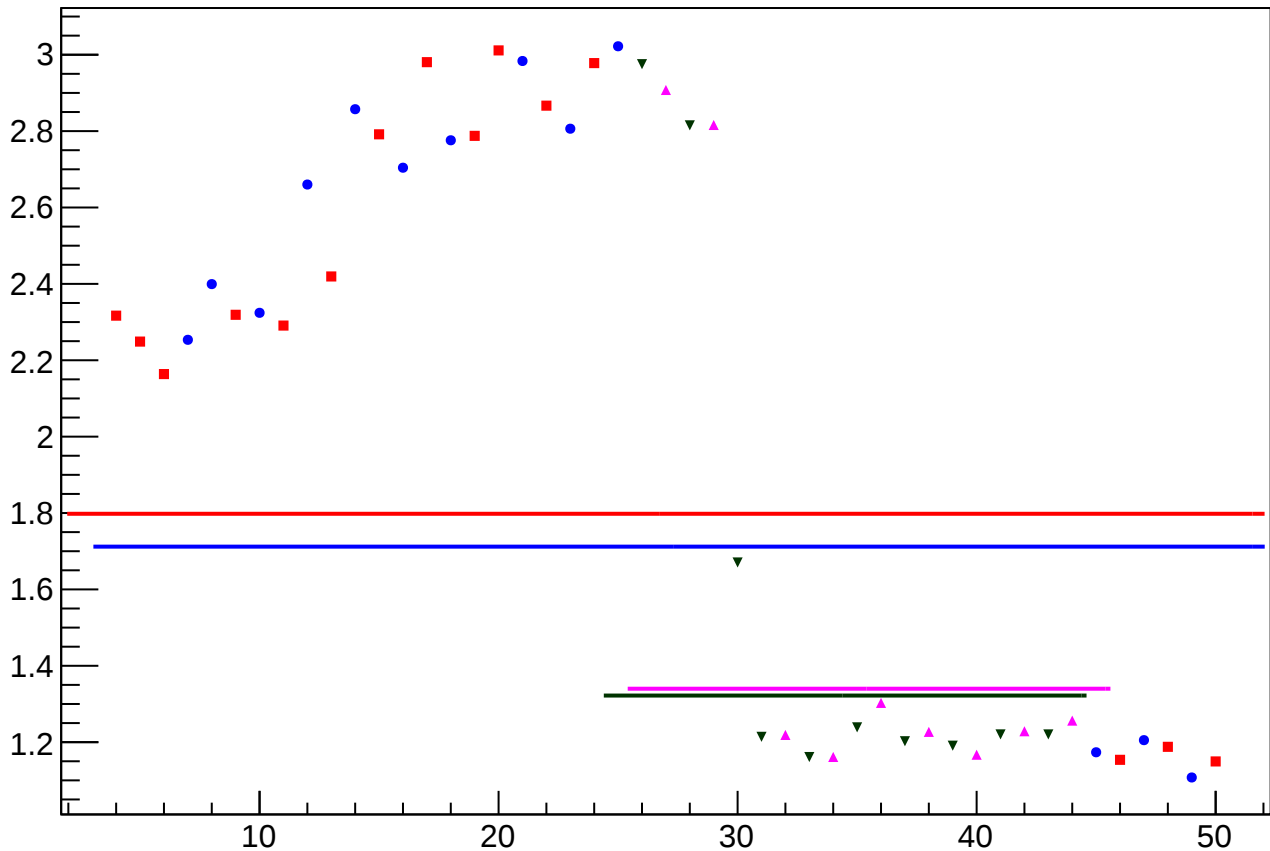
Right Out: -0.164 $\pm$ 0.686 χ^2 /NDF: 31.1/14

Left In: 0.645 $\pm$ 0.592 χ^2 /NDF: 6.9/8

-0.595 $\pm$ 0.437 χ^2 /NDF: 32.1/22

0.300 $\pm$ 0.448 χ^2 /NDF: 38.8/23

asym_cav4bQ_rms vs slug



Right In: 1.712+/-0.000 χ^2/NDF : 2634503.5/12

Left Out: 1.322+/-0.000 χ^2/NDF :835682.2/9

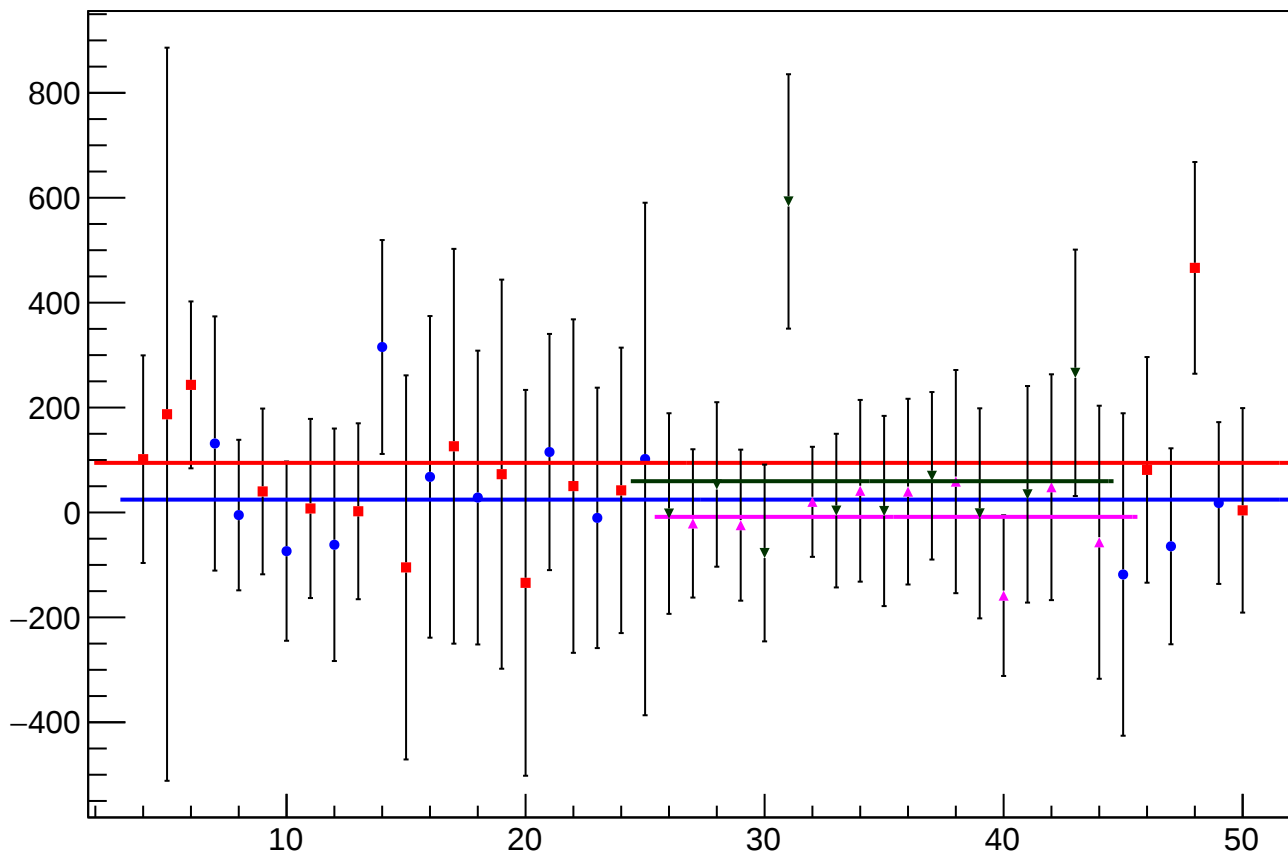
1.504+/-0.000 χ^2/NDF : 3866486.4/22

Right Out: 1.798+/-0.000 χ^2/NDF : 2103886.2/14

Left In: 1.340+/-0.000 χ^2/NDF :1050714.6/8

1.536+/-0.000 χ^2/NDF : 3665853.2/23

asym_cav4cQ_mean vs slug



Right In: 24.495+/-58.817 χ^2/NDF : 3.4/12

Left Out: 59.618+/-57.448 χ^2/NDF : 6.7/9

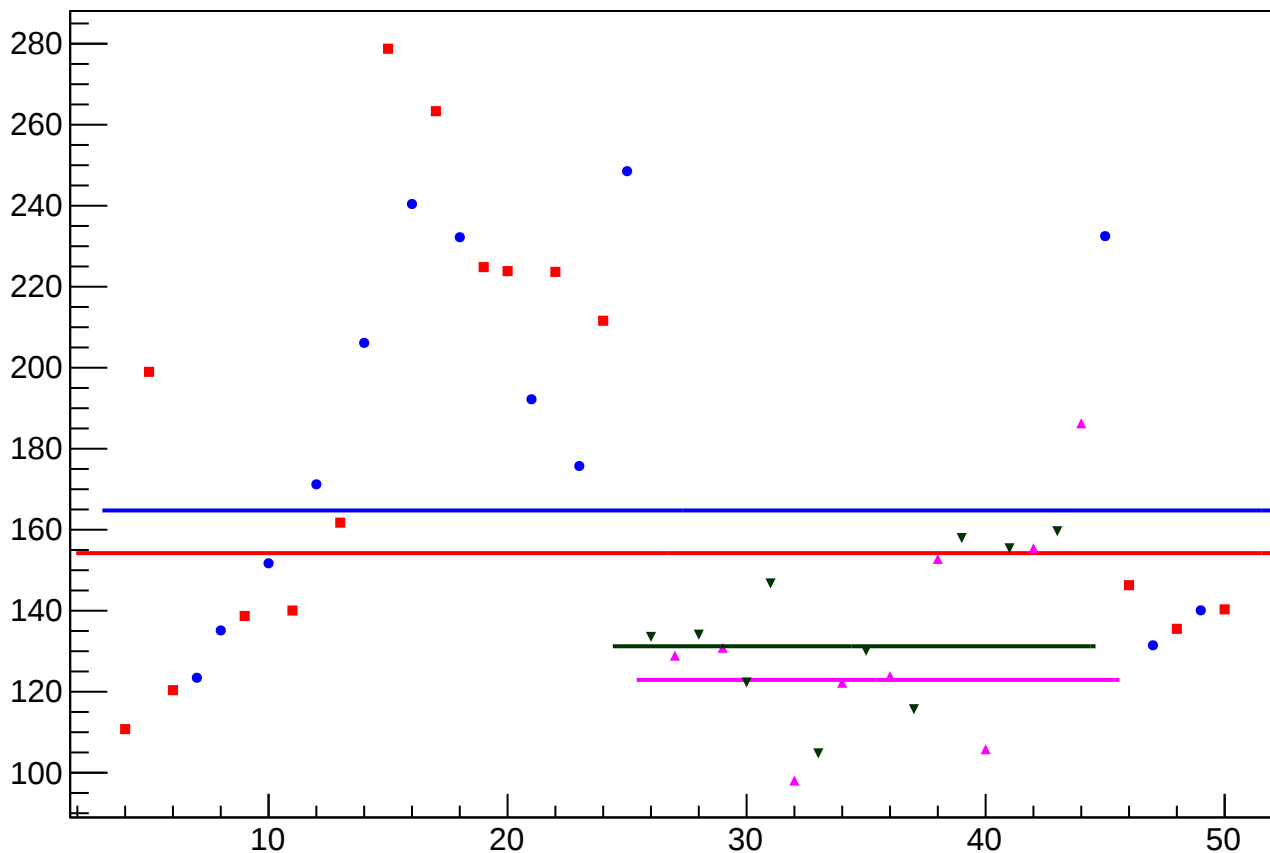
Right Out: 94.566+/-57.539 χ^2/NDF : 5.9/14

Left In: -8.384+/-53.045 χ^2/NDF : 1.4/8

42.470+/-41.097 χ^2/NDF : 10.3/22

38.915+/-39.001 χ^2/NDF : 9.1/23

asym_cav4cQ_rms vs slug



Right In: 164.754+/-0.042 χ^2/NDF : 781131.2/12

Left Out: 131.224+/-0.041 χ^2/NDF :191308.6/9

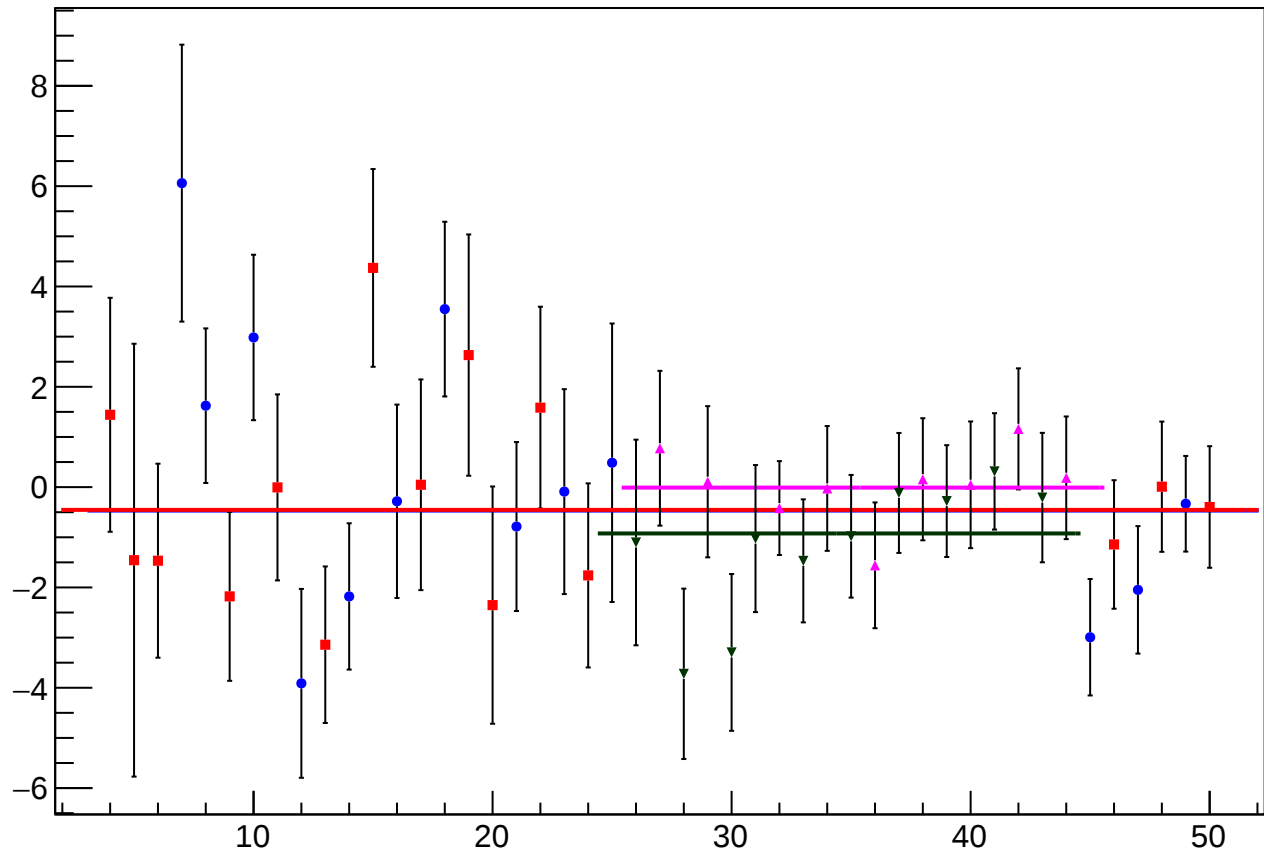
Right Out: 154.221+/-0.041 χ^2/NDF : 990315.4/14

Left In: 122.920+/-0.038 χ^2/NDF :350338.0/8

147.595+/-0.029 χ^2/NDF : 1305077.2/22

137.301+/-0.028 χ^2/NDF : 1660593.4/23

asym_cav4dQ_mean vs slug



Right In: -0.467 ± 0.428 $\chi^2/\text{NDF}: 28.4/12$

Left Out: -0.924 ± 0.421 $\chi^2/\text{NDF}: 7.5/9$

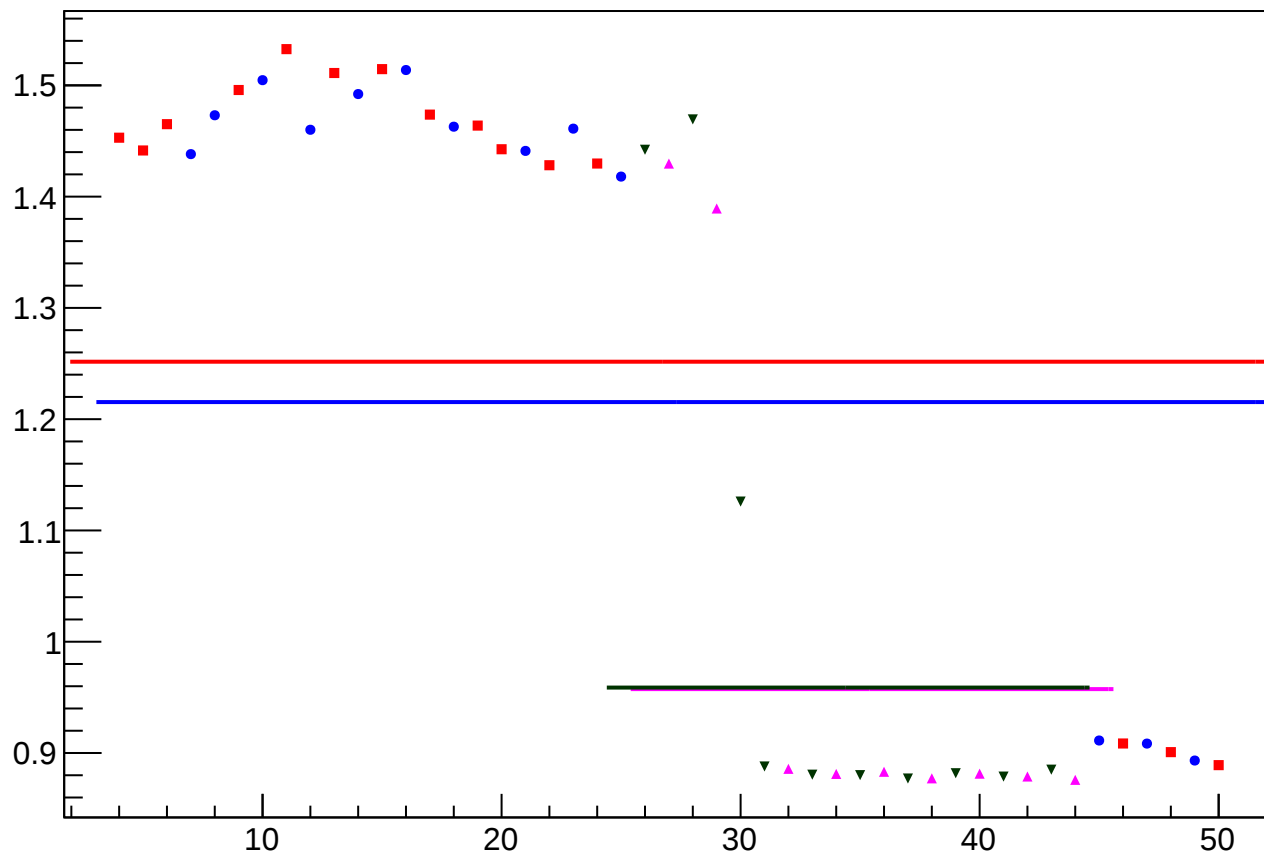
Right Out: -0.454 ± 0.455 $\chi^2/\text{NDF}: 15.4/14$

Left In: -0.010 ± 0.410 $\chi^2/\text{NDF}: 3.0/8$

-0.699 ± 0.300 $\chi^2/\text{NDF}: 36.4/22$

-0.209 ± 0.305 $\chi^2/\text{NDF}: 18.8/23$

asym_cav4dQ_rms vs slug



Right In: 1.215+/-0.000 χ^2/NDF : 882394.5/12

Left Out: 0.959+/-0.000 χ^2/NDF : 370902.6/9

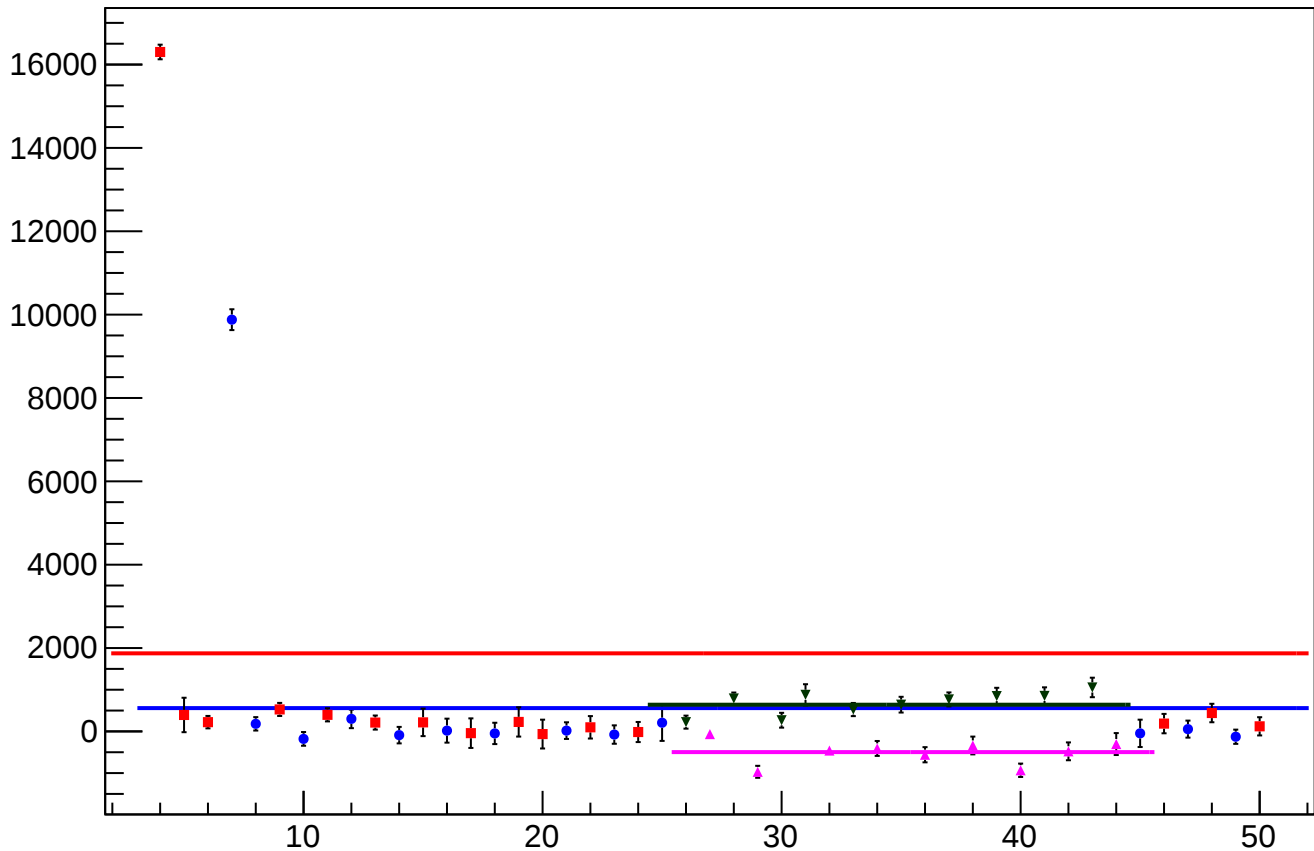
Right Out: 1.252+/-0.000 χ^2/NDF : 775729.2/14

Left In: 0.957+/-0.000 χ^2/NDF : 411162.2/8

1.085+/-0.000 χ^2/NDF : 1618373.8/22

1.089+/-0.000 χ^2/NDF : 1647779.5/23

asym_bcm0l02_mean vs slug



Right In: 559.016+/-59.438 $\chi^2/\text{NDF}: 1479.2/12$

Left Out: 640.376+/-56.927 $\chi^2/\text{NDF}: 19.9/9$

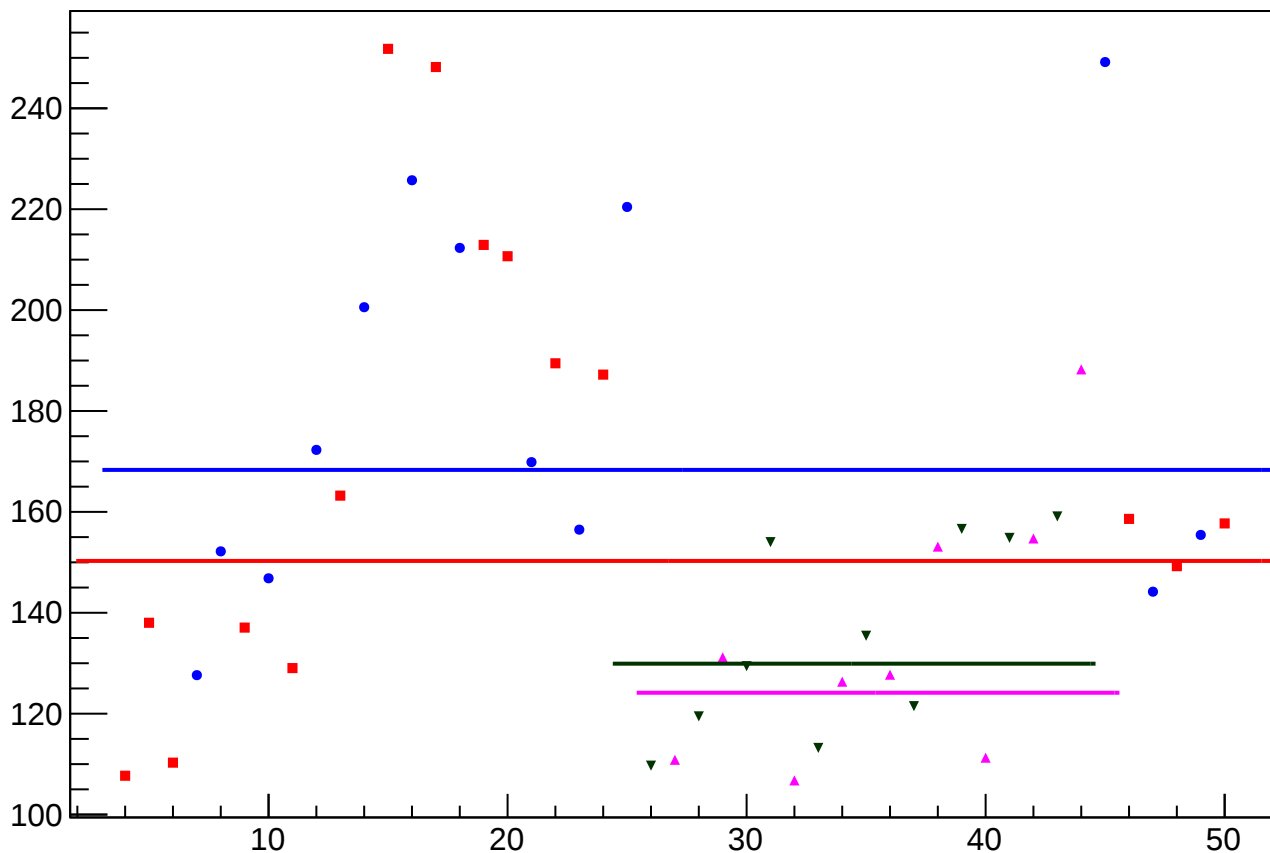
601.451+/-41.112 $\chi^2/\text{NDF}: 1500.1/22$

Right Out: 1872.822+/-55.613 $\chi^2/\text{NDF}: 7524.6/14$

638.018+/-38.486 $\chi^2/\text{NDF}: 8503.1/23$

Left In: -496.812+/-53.314 $\chi^2/\text{NDF}: 32.4/8$

asym_bcm0l02_rms vs slug



Right In: 168.323 ± 0.042 χ^2/NDF : 495039.0/12

Left Out: 129.911 ± 0.040 χ^2/NDF : 188039.4/9

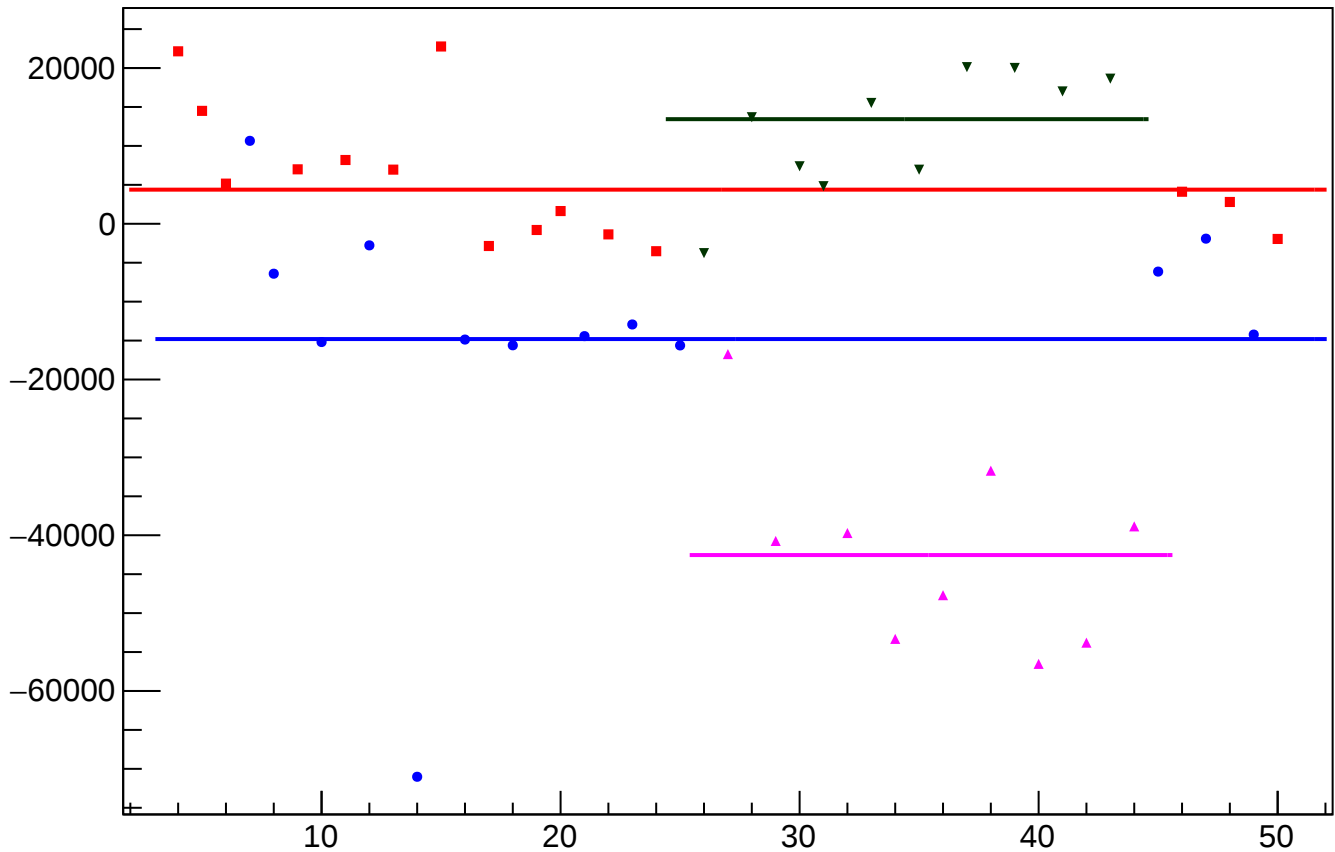
Right Out: 150.278 ± 0.039 χ^2/NDF : 885390.5/14

Left In: 124.148 ± 0.038 χ^2/NDF : 285531.8/8

148.288 ± 0.029 χ^2/NDF : 1118737.6/22

136.662 ± 0.027 χ^2/NDF : 1400996.2/23

asym_bpm2i01WS_mean vs slug



Right In: -14805.262+/-38.869 χ^2/NDF : 219406.7/12

Left Out: 13435.021+/-42.371 χ^2/NDF : 28229.6/9

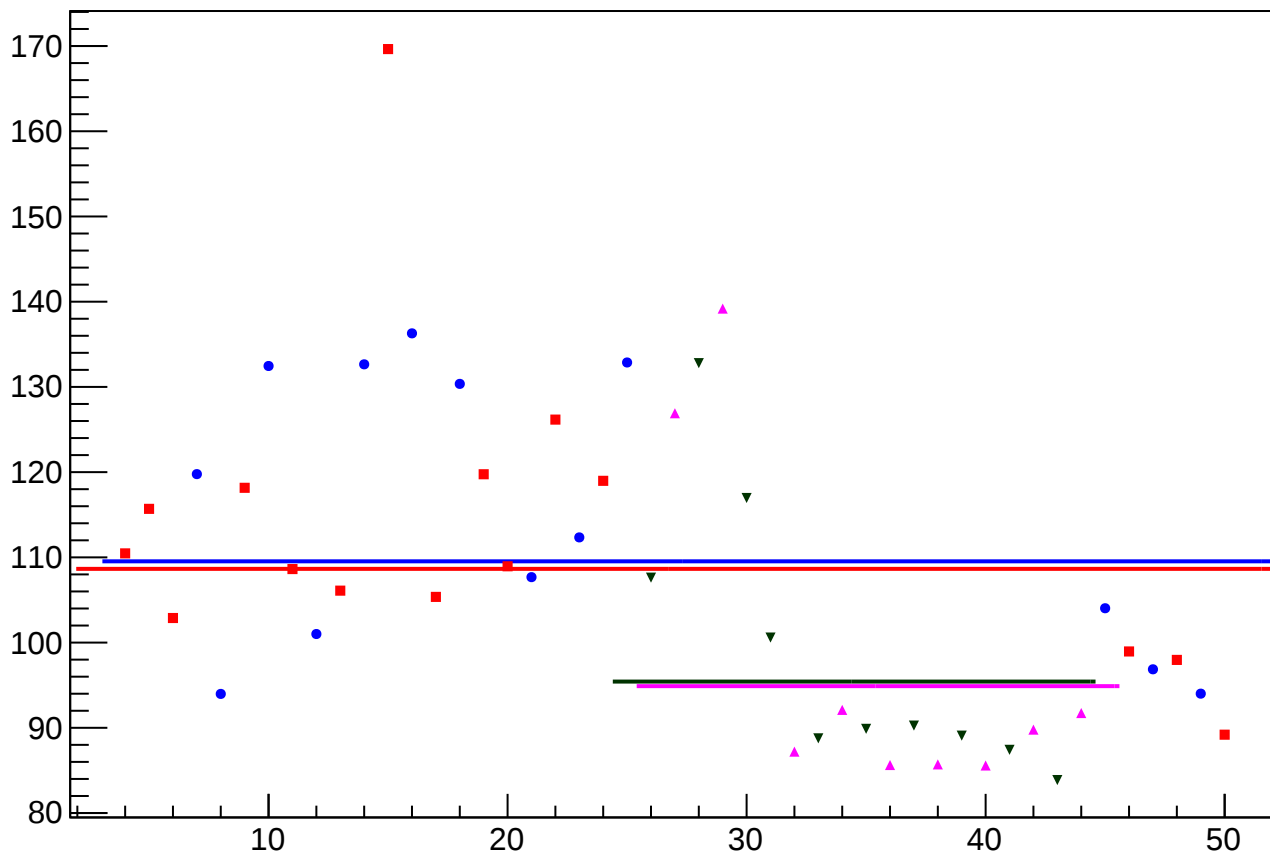
-1900.243+/-28.643 χ^2/NDF : 488857.5/22

Right Out: 4382.891+/-39.809 χ^2/NDF : 28037.6/14

-18143.563+/-28.706 χ^2/NDF : 766475.3/23

Left In: -42544.240+/-41.432 χ^2/NDF : 71406.7/8

asym_bpm2i01WS_rms vs slug



Right In: 109.536 $\pm$ 0.027 χ^2 /NDF: 327056.9/12

Left Out: 95.426 $\pm$ 0.030 χ^2 /NDF:200660.2/9

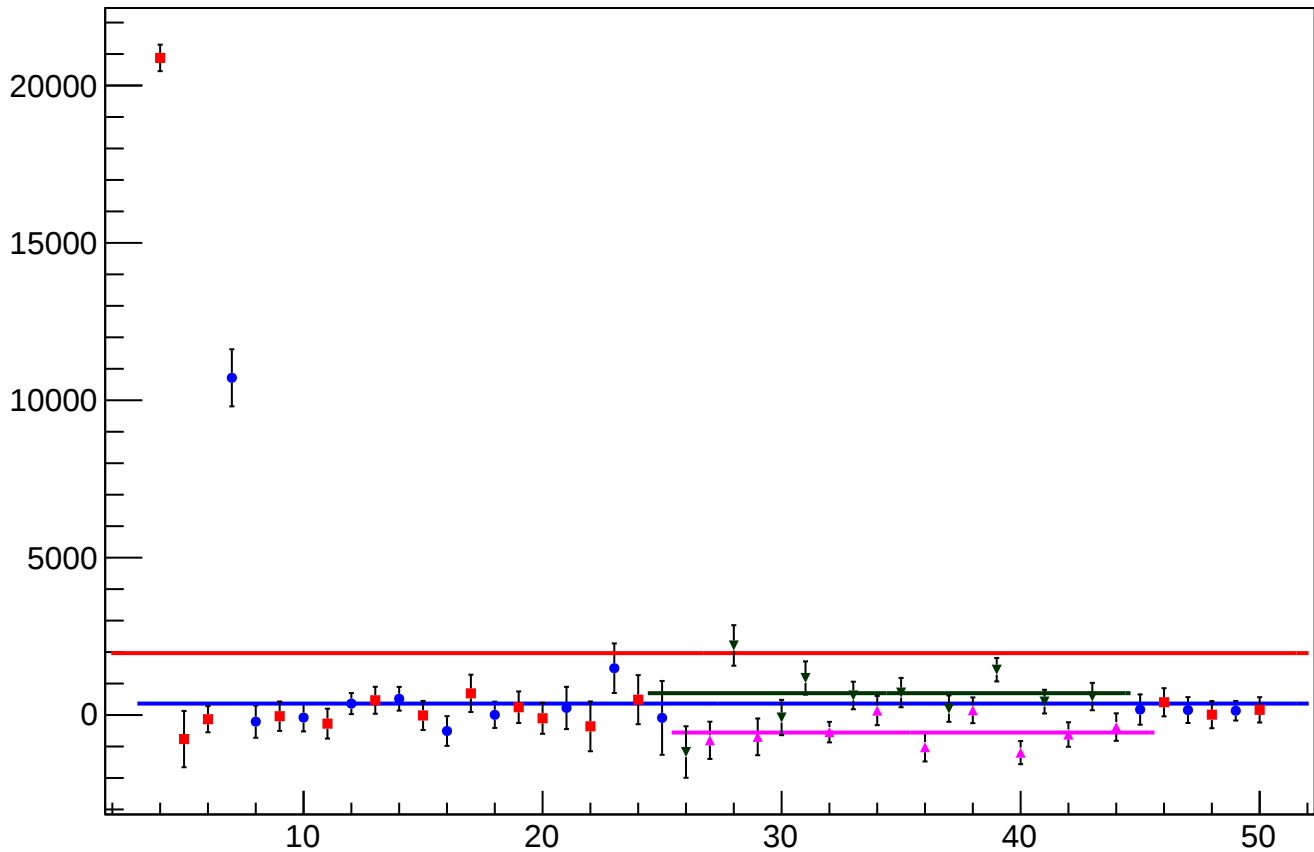
Right Out: 108.651 $\pm$ 0.028 χ^2 /NDF: 256915.9/14

Left In: 94.889 $\pm$ 0.029 χ^2 /NDF:314634.4/8

103.088 $\pm$ 0.020 χ^2 /NDF: 648162.1/22

102.045 $\pm$ 0.020 χ^2 /NDF: 686281.2/23

asym_bpm0i07WS_mean vs slug



Right In: 363.613+/-127.562 χ^2/NDF : 139.8/12

Left Out: 693.815+/-147.932 χ^2/NDF : 19.5/9

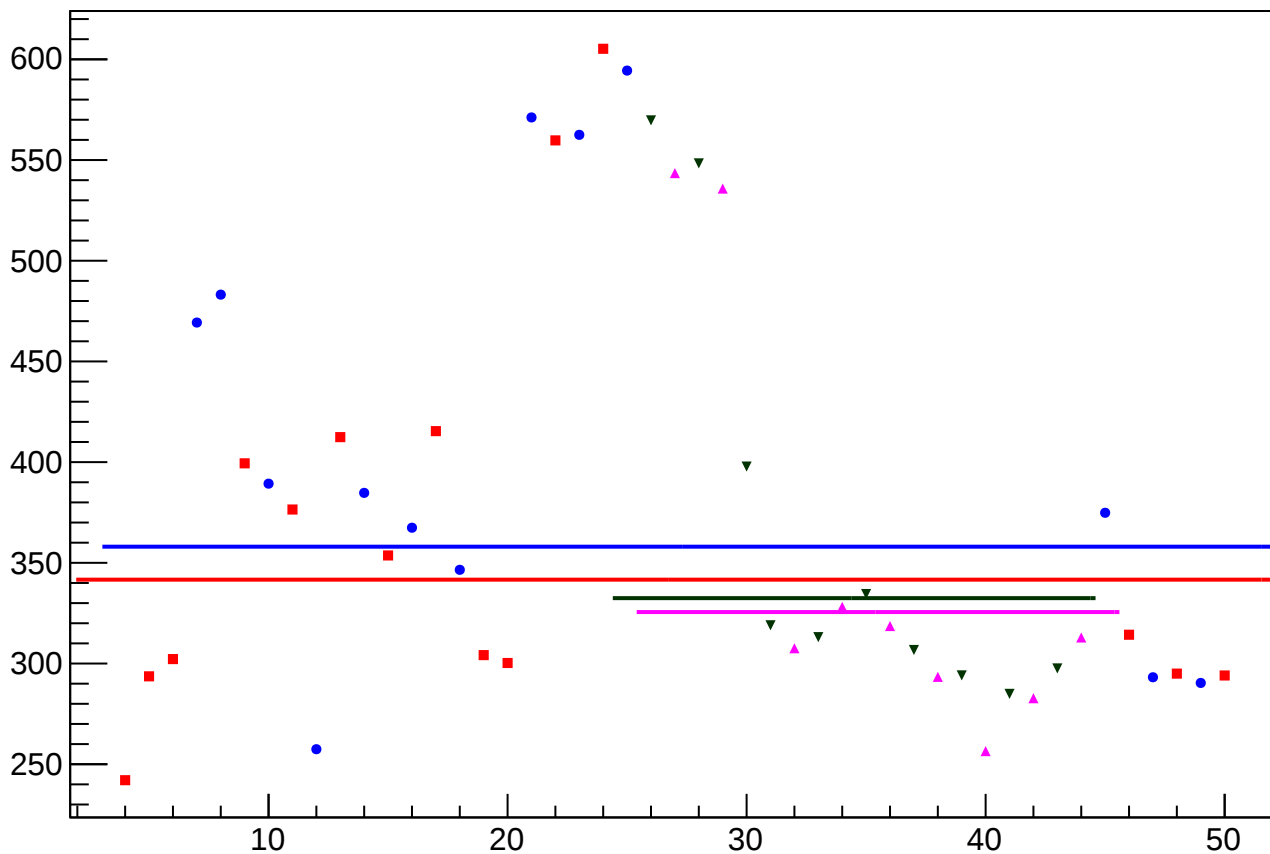
504.432+/-96.606 χ^2/NDF : 162.2/22

Right Out: 1966.630+/-126.351 χ^2/NDF : 2226.0/14

848.088+/-94.273 χ^2/NDF : 2412.6/23

Left In: -556.564+/-141.592 χ^2/NDF : 9.7/8

asym_bpm0i07WS_rms vs slug



Right In: 358.018+/-0.090 χ^2/NDF : 916892.3/12

Left Out: 332.466+/-0.105 χ^2/NDF : 498518.7/9

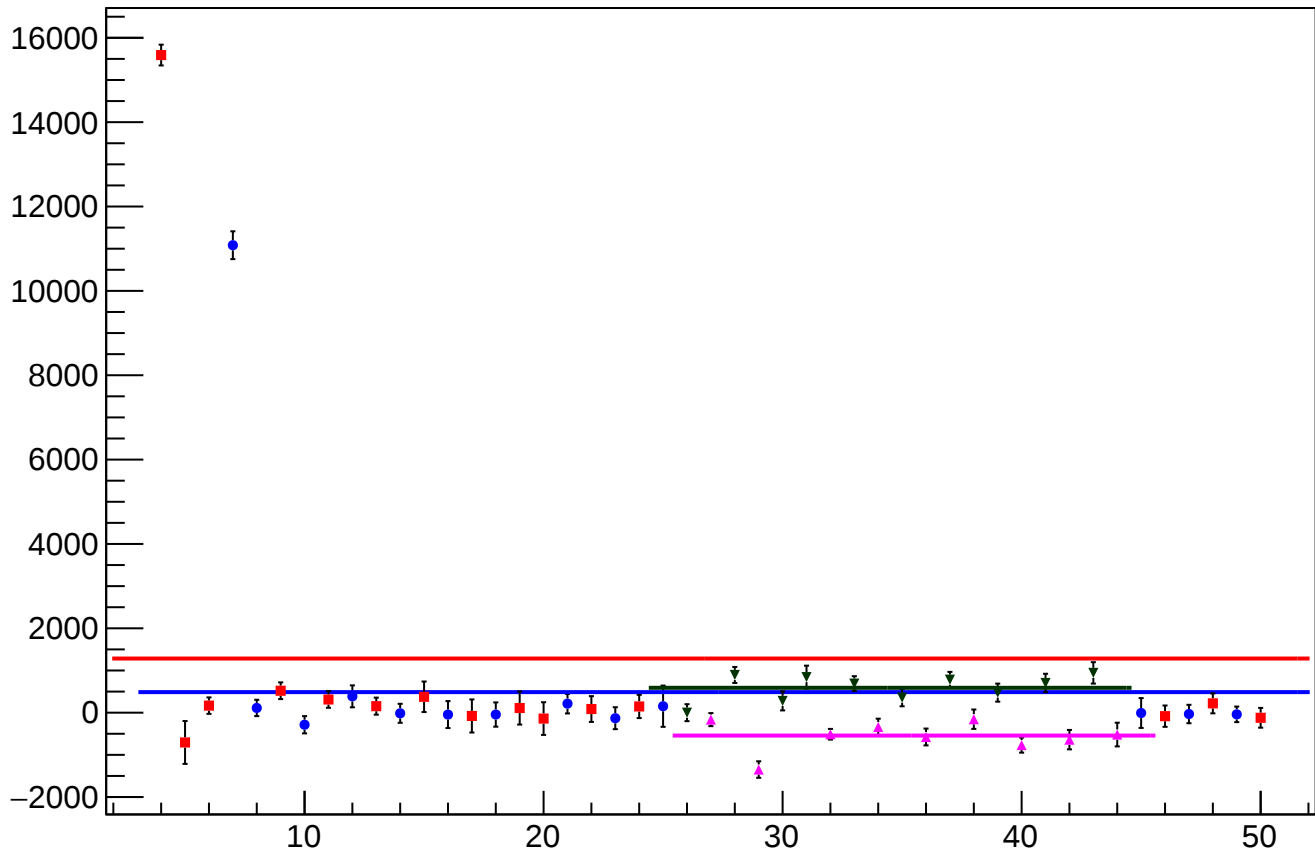
Right Out: 341.644+/-0.089 χ^2/NDF : 729237.0/14

Left In: 325.557+/-0.100 χ^2/NDF : 646591.2/8

347.121+/-0.068 χ^2/NDF : 1449634.3/22

334.513+/-0.067 χ^2/NDF : 1390200.9/23

asym_bpm0l01WS_mean vs slug



Right In: 487.269+/-68.669 χ^2/NDF : 1085.7/12

Left Out: 589.690+/-66.057 χ^2/NDF : 19.1/9

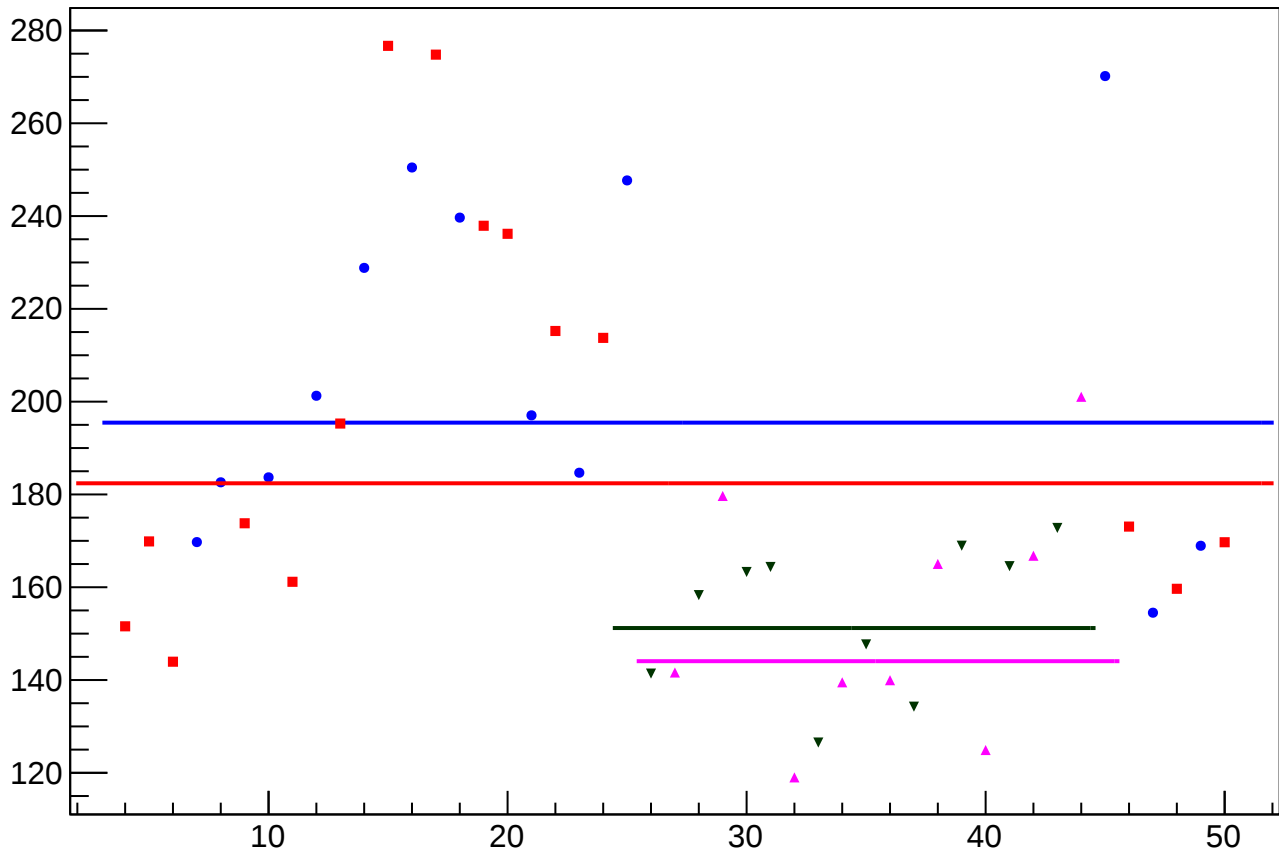
Right Out: 1283.635+/-66.641 χ^2/NDF : 3648.8/14

Left In: -542.908+/-61.747 χ^2/NDF : 28.6/8

540.464+/-47.606 χ^2/NDF : 1106.0/22

300.840+/-45.293 χ^2/NDF : 4081.6/23

asym_bpm0l01WS_rms vs slug



Right In: 195.475+/-0.049 χ^2/NDF : 406182.9/12

Left Out: 151.207+/-0.047 χ^2/NDF :110209.2/9

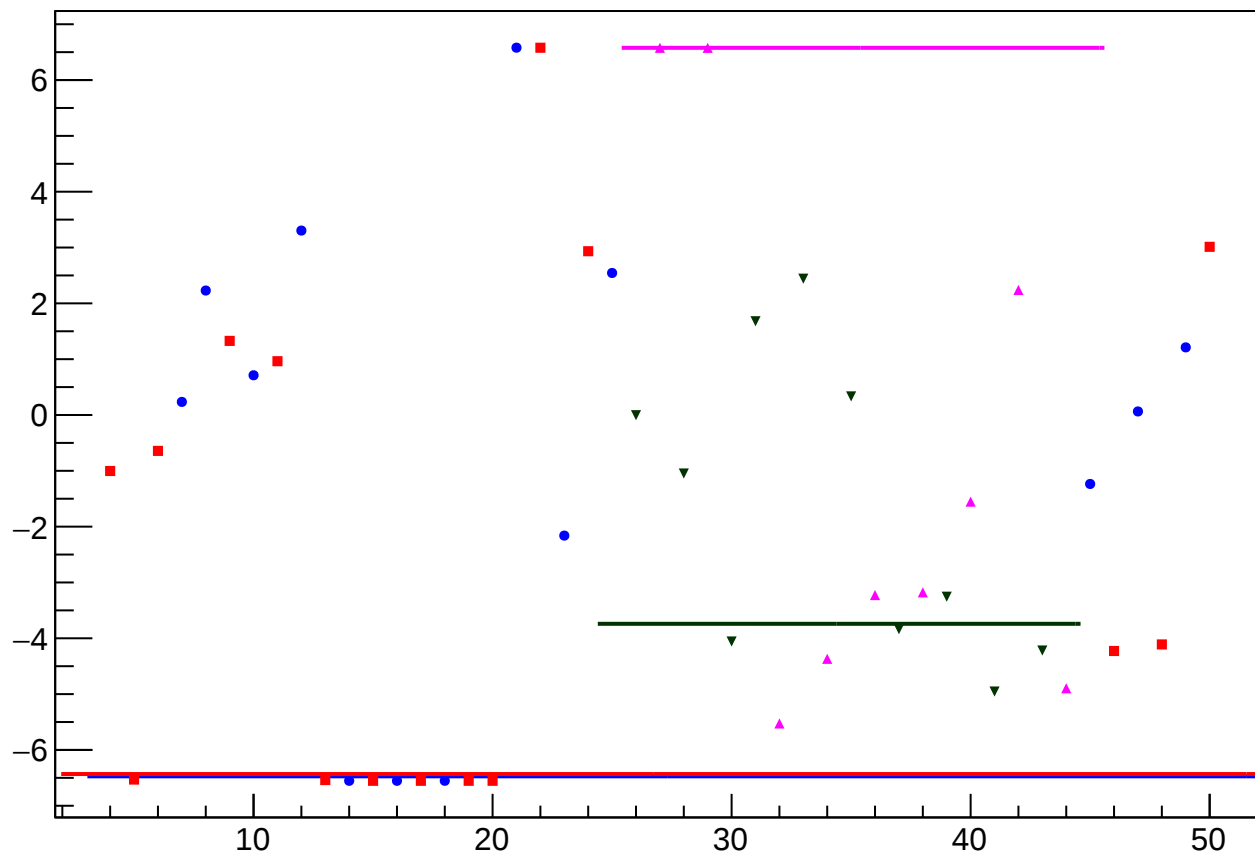
Right Out: 182.404+/-0.047 χ^2/NDF : 546394.1/14

Left In: 144.061+/-0.044 χ^2/NDF :287746.6/8

172.483+/-0.034 χ^2/NDF : 948098.2/22

161.773+/-0.032 χ^2/NDF : 1190383.4/23

yield_cav4bX_mean vs slug



Right In: -6.473+/-0.000 χ^2/NDF : 127847939443717.9/12

Left Out: -3.741+/-0.001 χ^2/NDF : 5731885.1/9

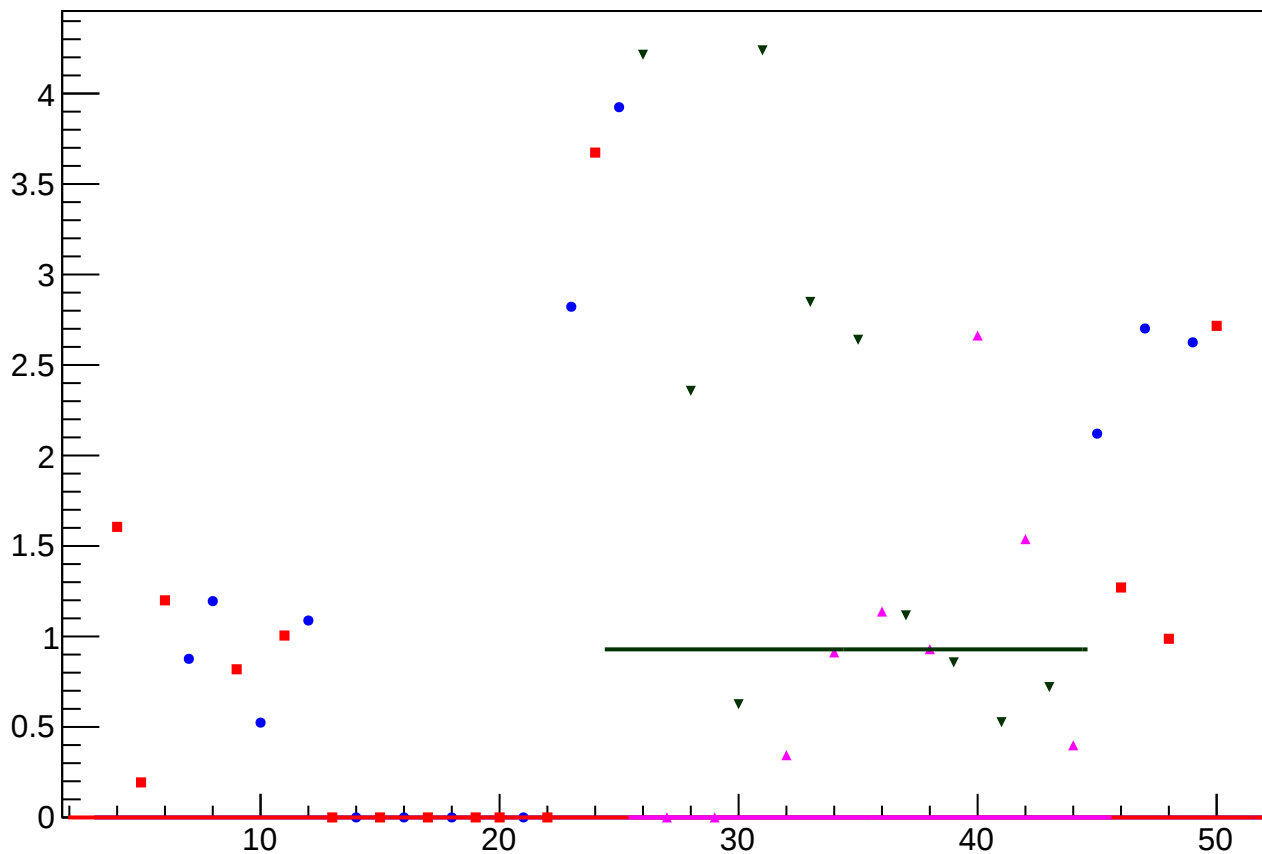
Right Out: -6.432+/-0.000 χ^2/NDF : 150837608834791.9/14

Left In: 6.578+/-0.000 χ^2/NDF : 822807717.8/8

-6.473+/-0.000 χ^2/NDF : 127847963826600.0/2

-6.315+/-0.000 χ^2/NDF : 297092118257902.2/2

yield_cav4bX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 7597981.3/12

Left Out: 0.929+/-0.000 χ^2/NDF : 2482114.1/9

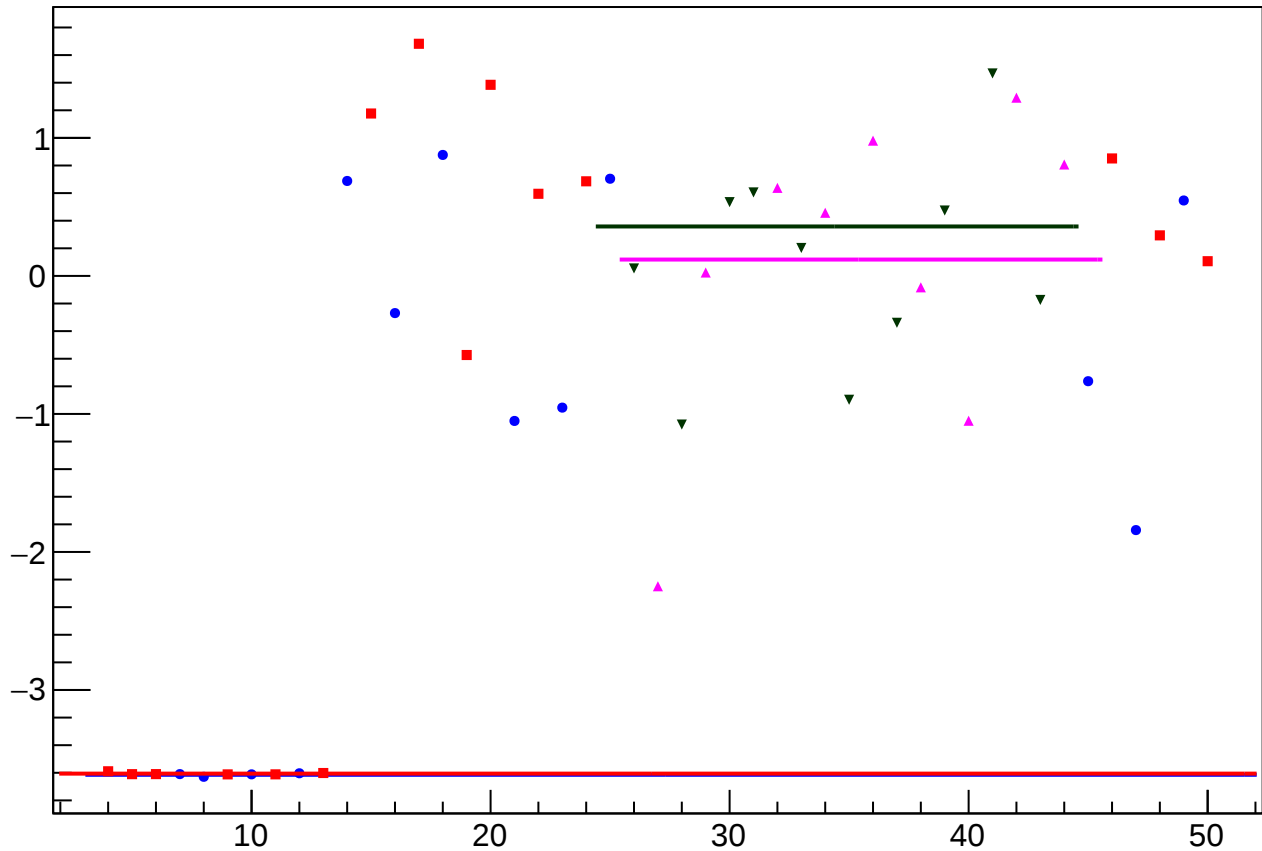
Right Out: 0.000+/-0.000 χ^2/NDF : 6066110.0/14

Left In: 0.000+/-0.000 χ^2/NDF : 4631448.1/8

0.000+/-0.000 χ^2/NDF : 14389575.0/22

0.000+/-0.000 χ^2/NDF : 10697652.8/23

yield_cav4bY_mean vs slug



Right In: -3.614 ± 0.000 χ^2/NDF : 49077093481.3/12

-3.614 ± 0.000 χ^2/NDF : 49231334772.6/22

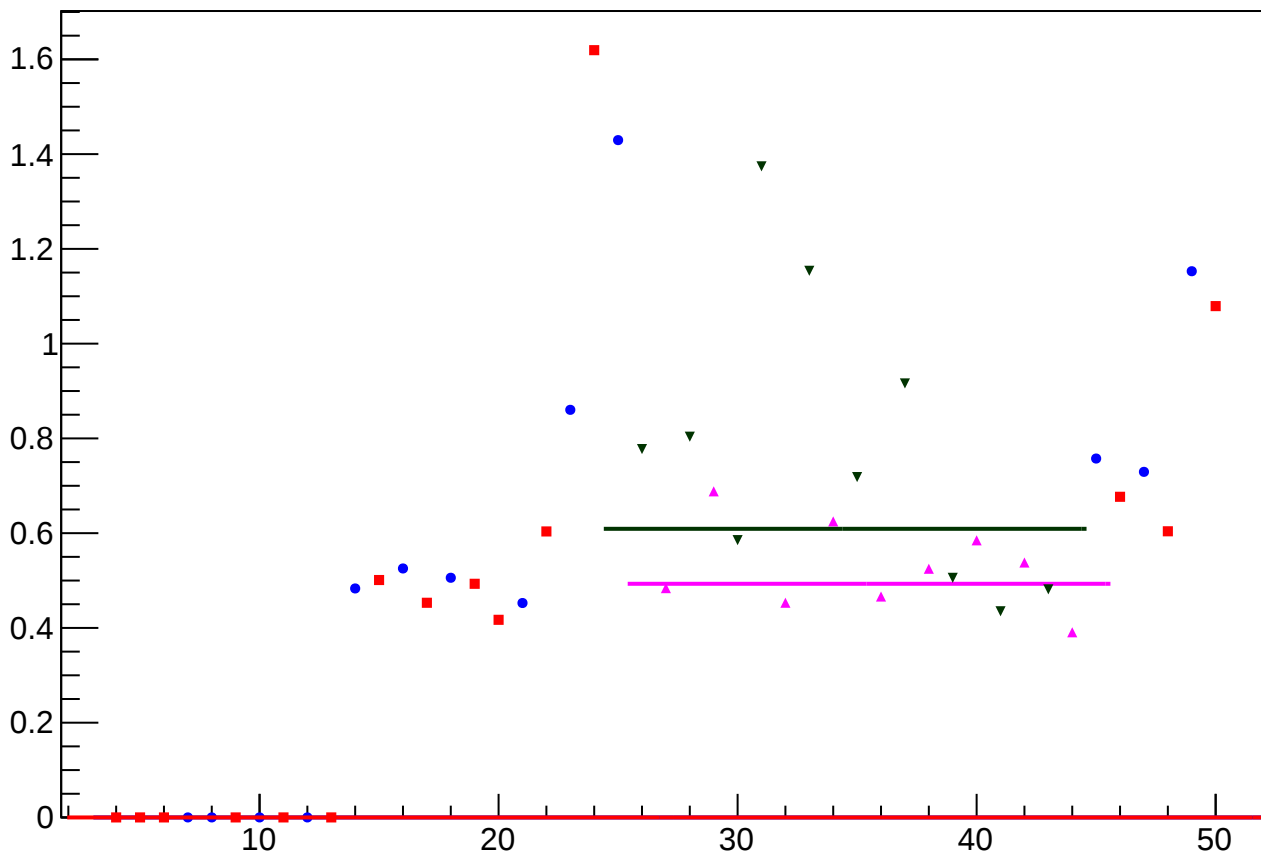
Left Out: 0.358 ± 0.000 χ^2/NDF : 6673360.6/9

Right Out: -3.606 ± 0.000 χ^2/NDF : 37786506145.1/14

-3.606 ± 0.000 χ^2/NDF : 38026027511.5/23

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 : 8455548.5/12

Left Out: 0.609+/-0.000 χ^2/NDF : 799340.0/9

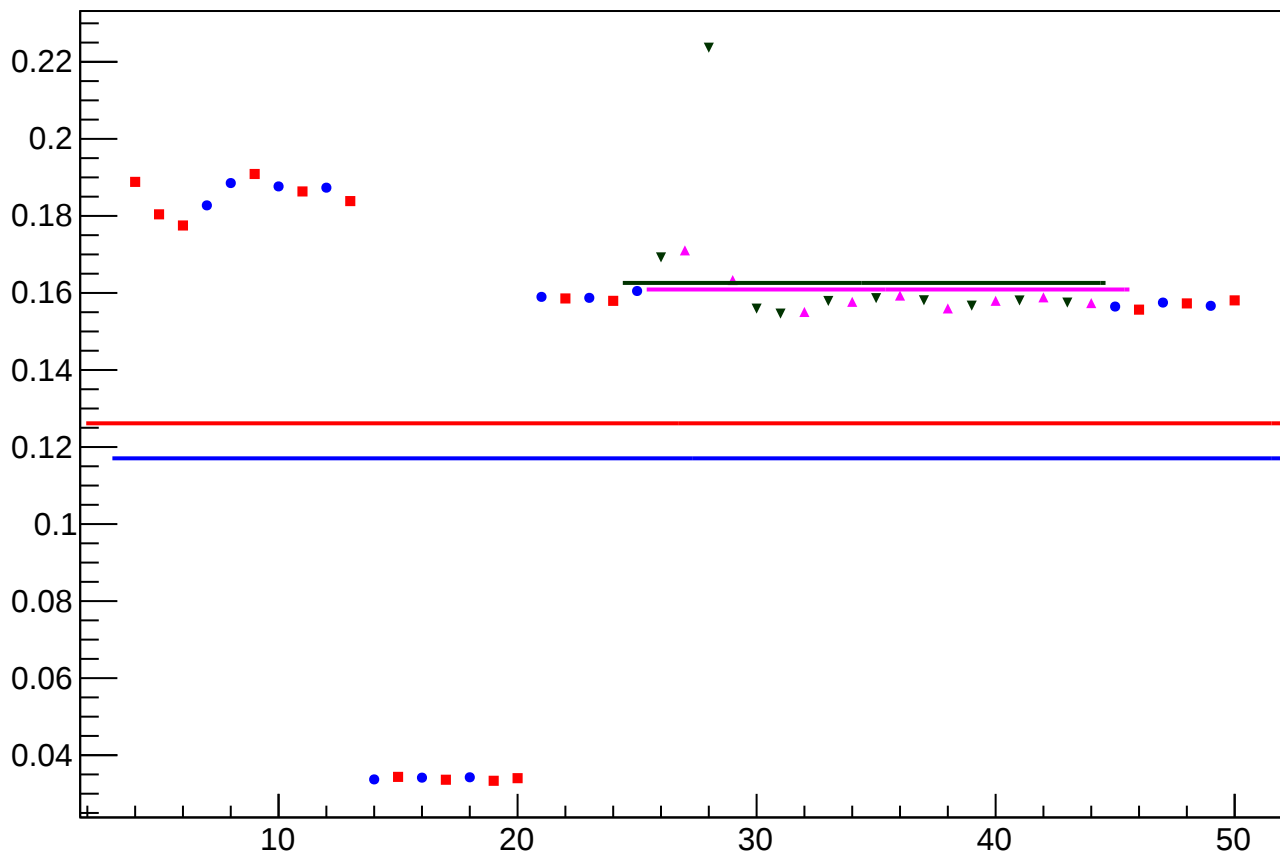
Right Out: 0.000+/-0.000 χ^2/NDF : 6499470.3/14

Left In: 0.493+/-0.000 χ^2/NDF : 214040.2/8

0.000+/-0.000 χ^2/NDF : 16192920.4/22

0.000+/-0.000 χ^2/NDF : 14404303.6/23

yield_cav4cX_mean vs slug



Right In: 0.117 $\pm$ 0.000 χ^2 /NDF: 4896903604.5/12

Left Out: 0.163 $\pm$ 0.000 χ^2 /NDF:101593637.2/9

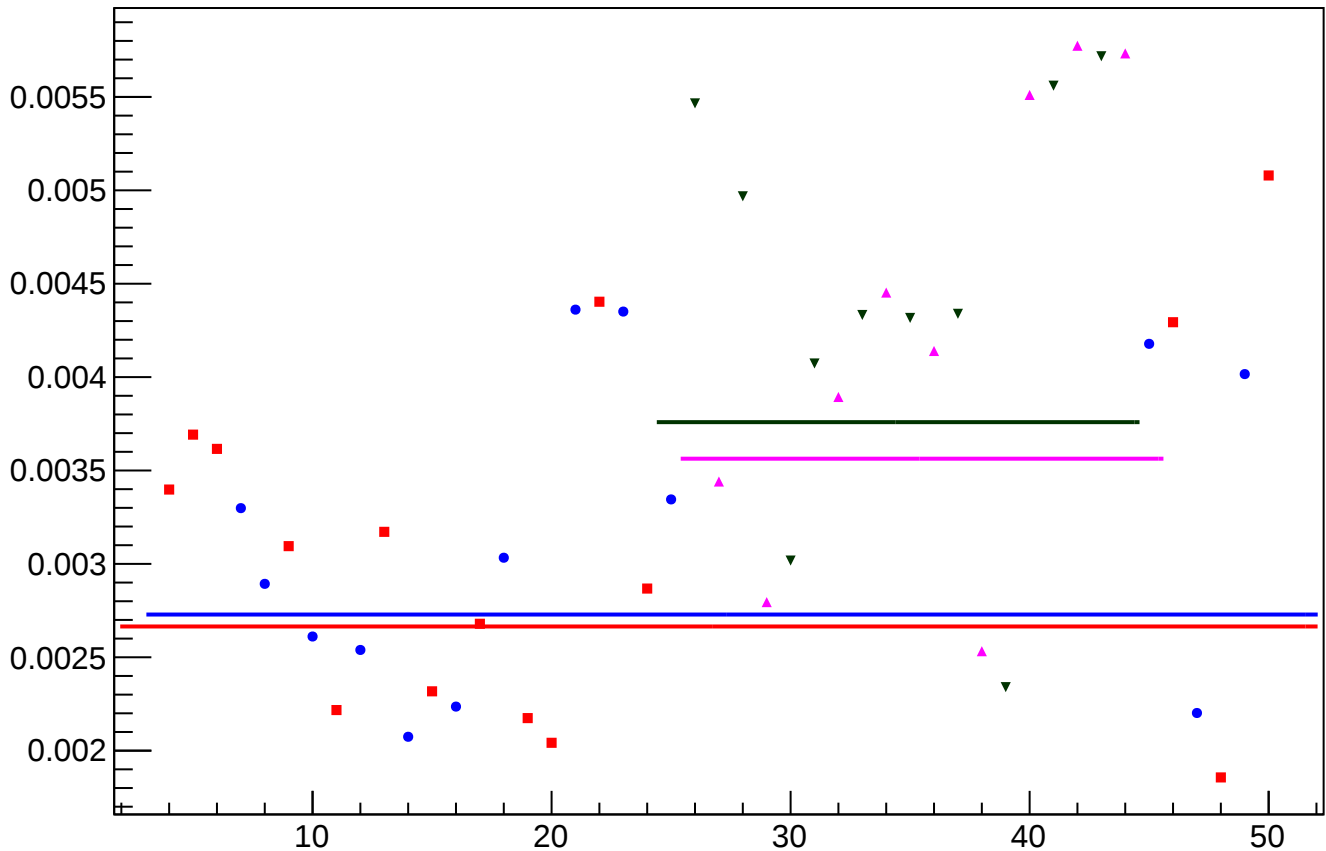
Right Out: 0.126 $\pm$ 0.000 χ^2 /NDF: 4398862351.6/14

Left In: 0.161 $\pm$ 0.000 χ^2 /NDF:11671584.7/8

0.128 $\pm$ 0.000 χ^2 /NDF: 5506448189.9/22

0.136 $\pm$ 0.000 χ^2 /NDF: 4744126370.7/23

yield_cav4cX_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 995163.3/12

Left Out: 0.004+/-0.000 χ^2/NDF : 884952.0/9

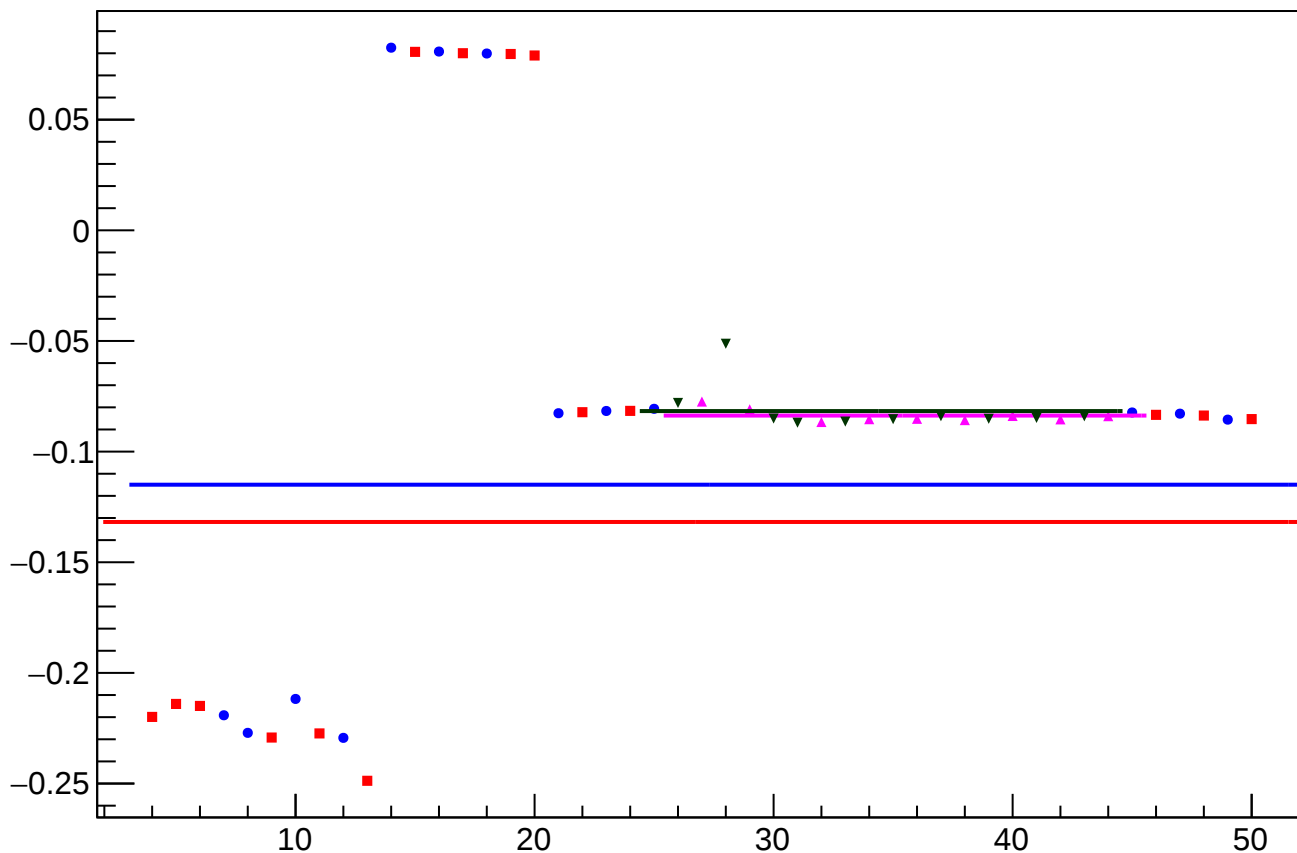
0.003+/-0.000 χ^2/NDF : 2399899.6/22

Right Out: 0.003+/-0.000 χ^2/NDF : 1046165.5/14

0.003+/-0.000 χ^2/NDF : 2244332.0/23

Left In: 0.004+/-0.000 χ^2/NDF : 752035.9/8

yield_cav4cY_mean vs slug



Right In: -0.115+/-0.000 χ^2/NDF : 9656295087.9/12

Left Out: -0.082+/-0.000 χ^2/NDF : 35856752.9/9

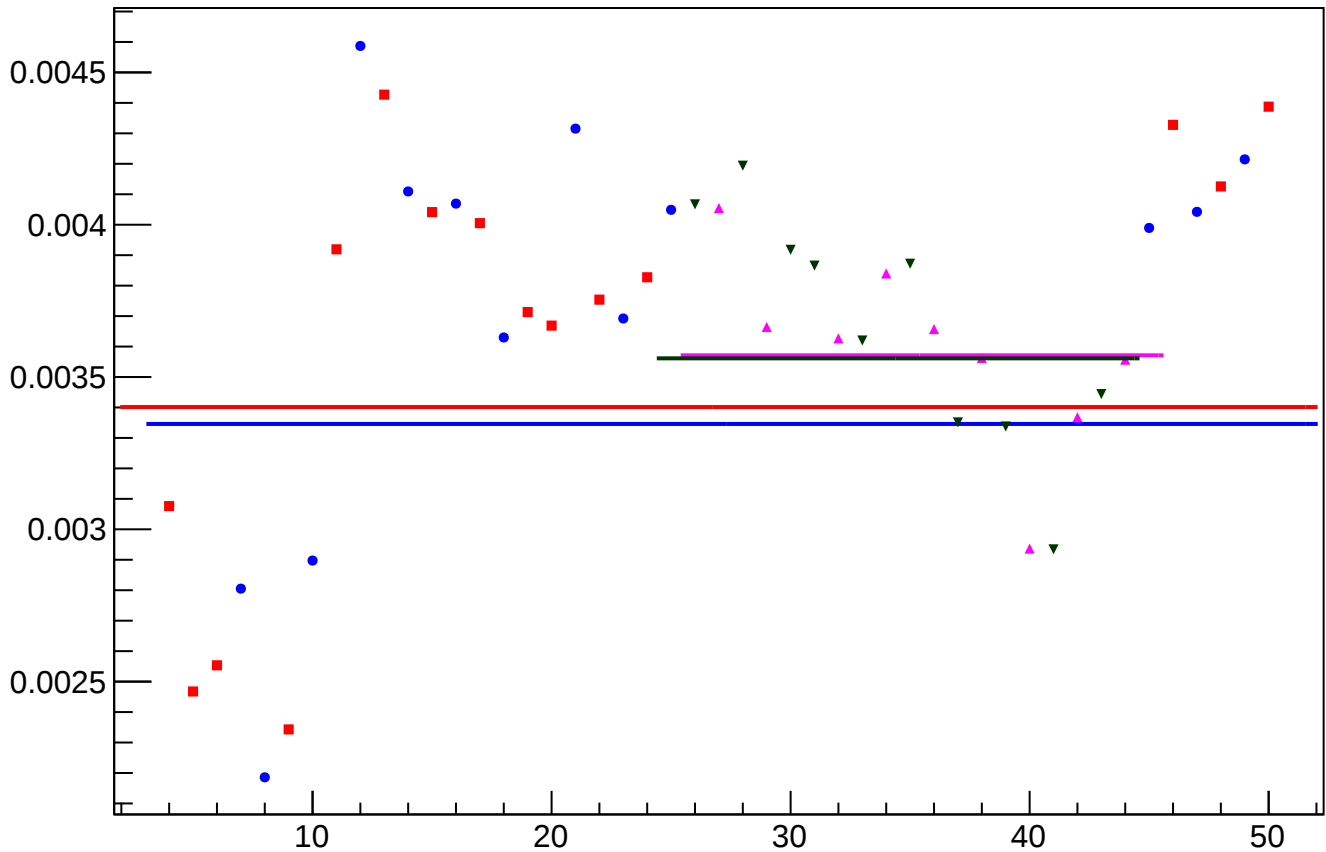
Right Out: -0.132+/-0.000 χ^2/NDF : 8823184730.9/14

Left In: -0.084+/-0.000 χ^2/NDF : 3521413.4/8

-0.103+/-0.000 χ^2/NDF : 9969828581.7/22

-0.112+/-0.000 χ^2/NDF : 9407939052.0/23

yield_cav4cY_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 973986.2/12

Left Out: 0.004+/-0.000 χ^2/NDF :124023.6/9

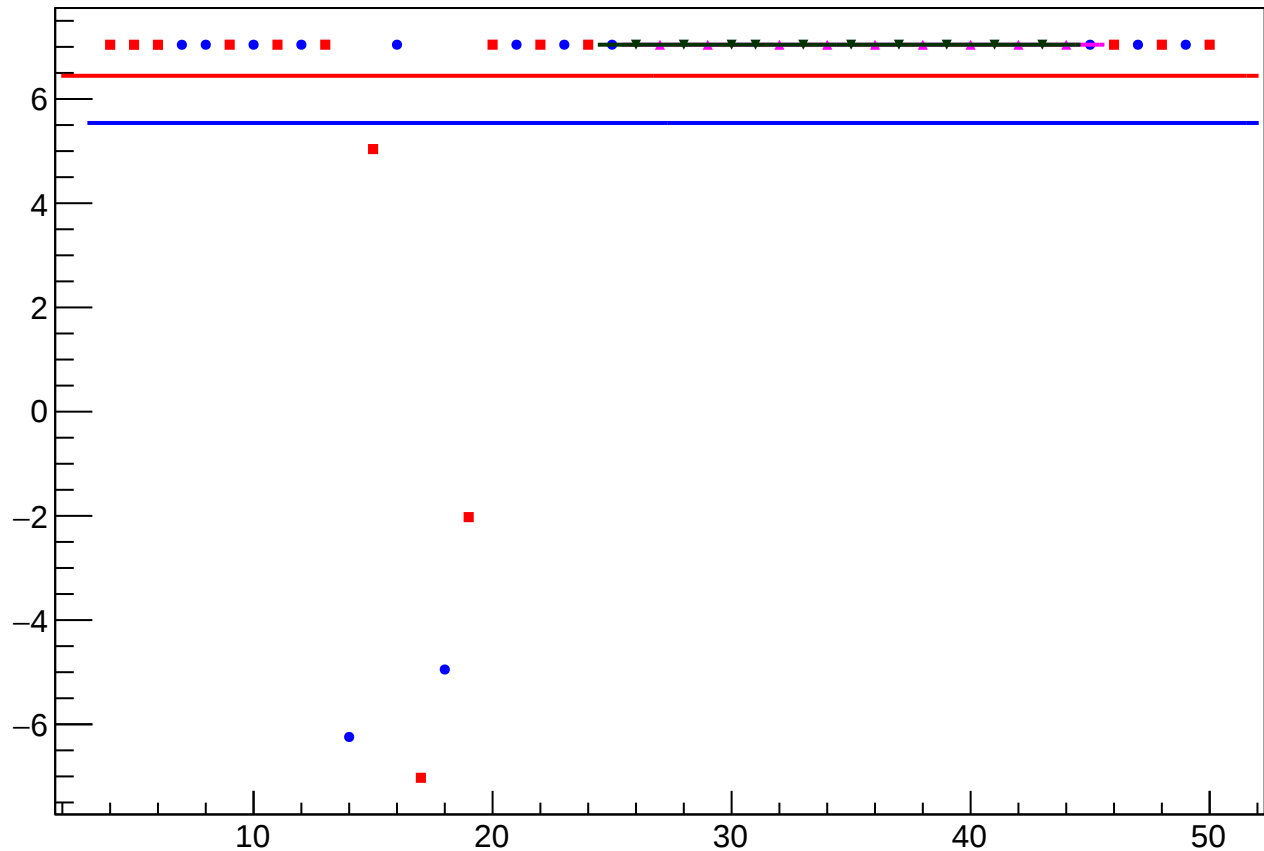
Right Out: 0.003+/-0.000 χ^2/NDF : 756800.4/14

Left In: 0.004+/-0.000 χ^2/NDF :79207.1/8

0.003+/-0.000 χ^2/NDF : 1121282.6/22

0.003+/-0.000 χ^2/NDF : 850516.1/23

yield_cav4dX_mean vs slug



Right In: 5.540 $\pm$ 0.000 χ^2 /NDF: 4453239027335047.0/12

Left Out: 7.042 $\pm$ 0.000 χ^2 /NDF: 765209.6/9

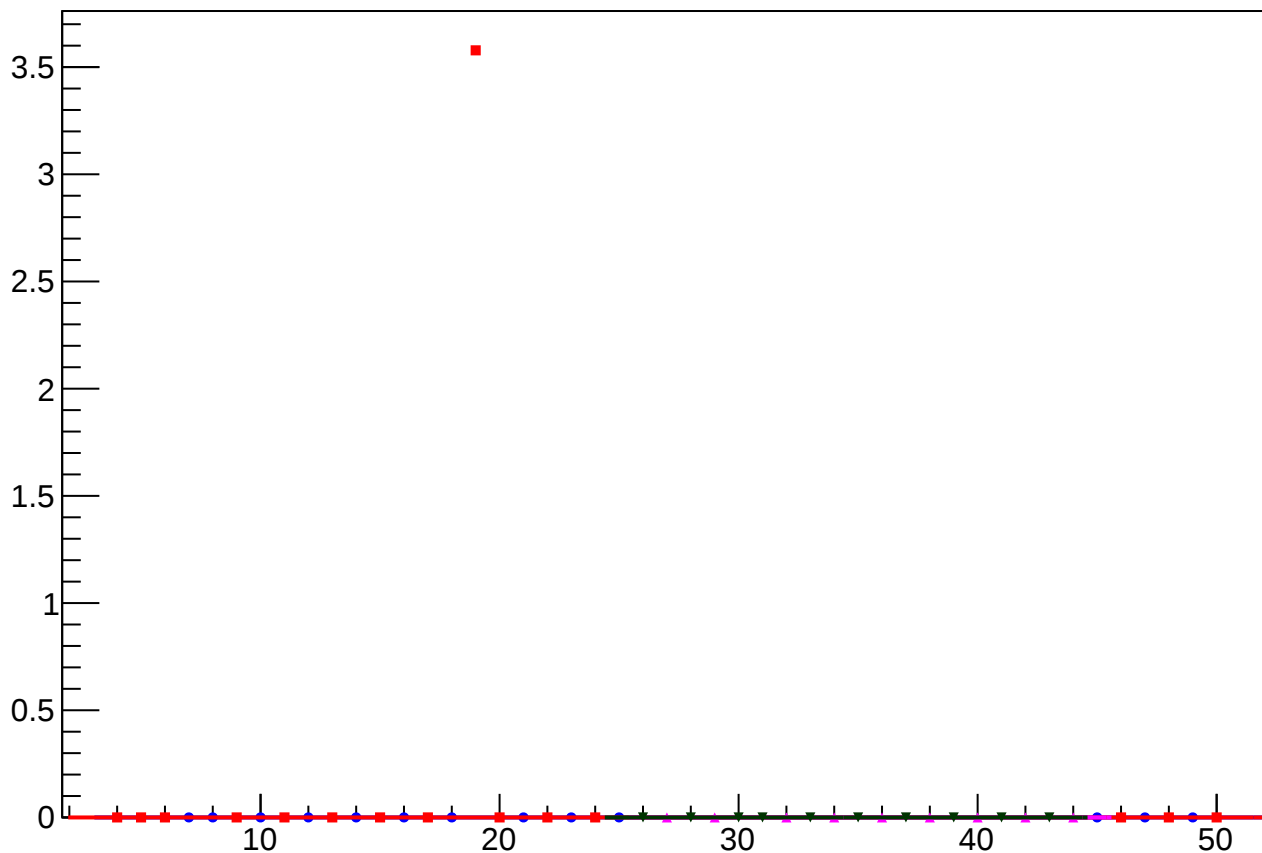
Right Out: 6.445 $\pm$ 0.000 χ^2 /NDF: 1837615588527275.2/14

Left In: 7.042 $\pm$ 0.000 χ^2 /NDF: 540646.4/8

6.202 $\pm$ 0.000 χ^2 /NDF: 4708510479687306.0/2

6.732 $\pm$ 0.000 χ^2 /NDF: 1877899146413095.8/2

yield_cav4dX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 3329.7/12

Left Out: 0.000+/-0.000 χ^2/NDF :1535.6/9

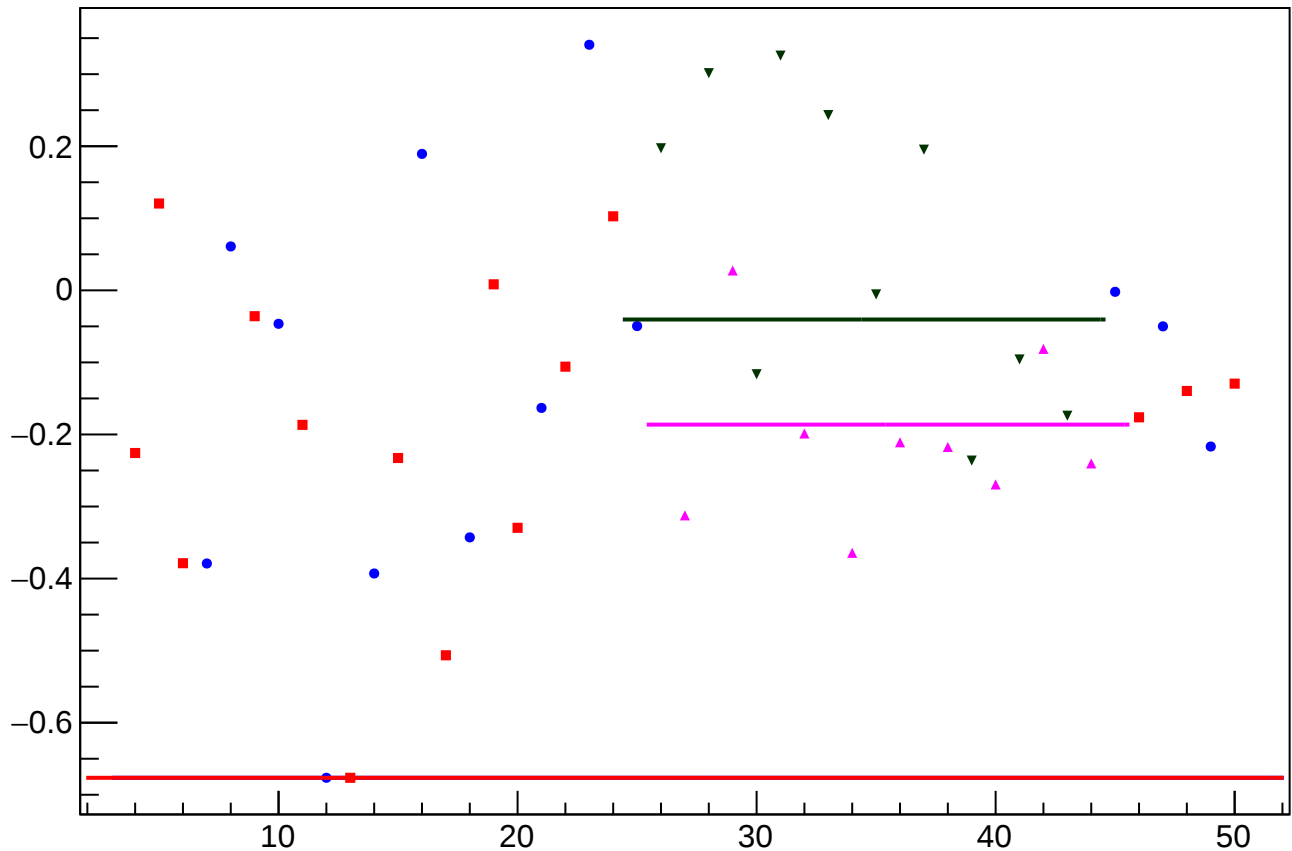
Right Out: 0.000+/-0.000 χ^2/NDF : 697040.0/14

Left In: 0.000+/-0.000 χ^2/NDF :1769.6/8

0.000+/-0.000 χ^2/NDF : 6090.4/22

0.000+/-0.000 χ^2/NDF : 702236.1/23

yield_cav4dY_mean vs slug



Right In: -0.676+/-0.000 χ^2/NDF : 256066866.7/12

Left Out: -0.040+/-0.000 χ^2/NDF :16704113.3/9

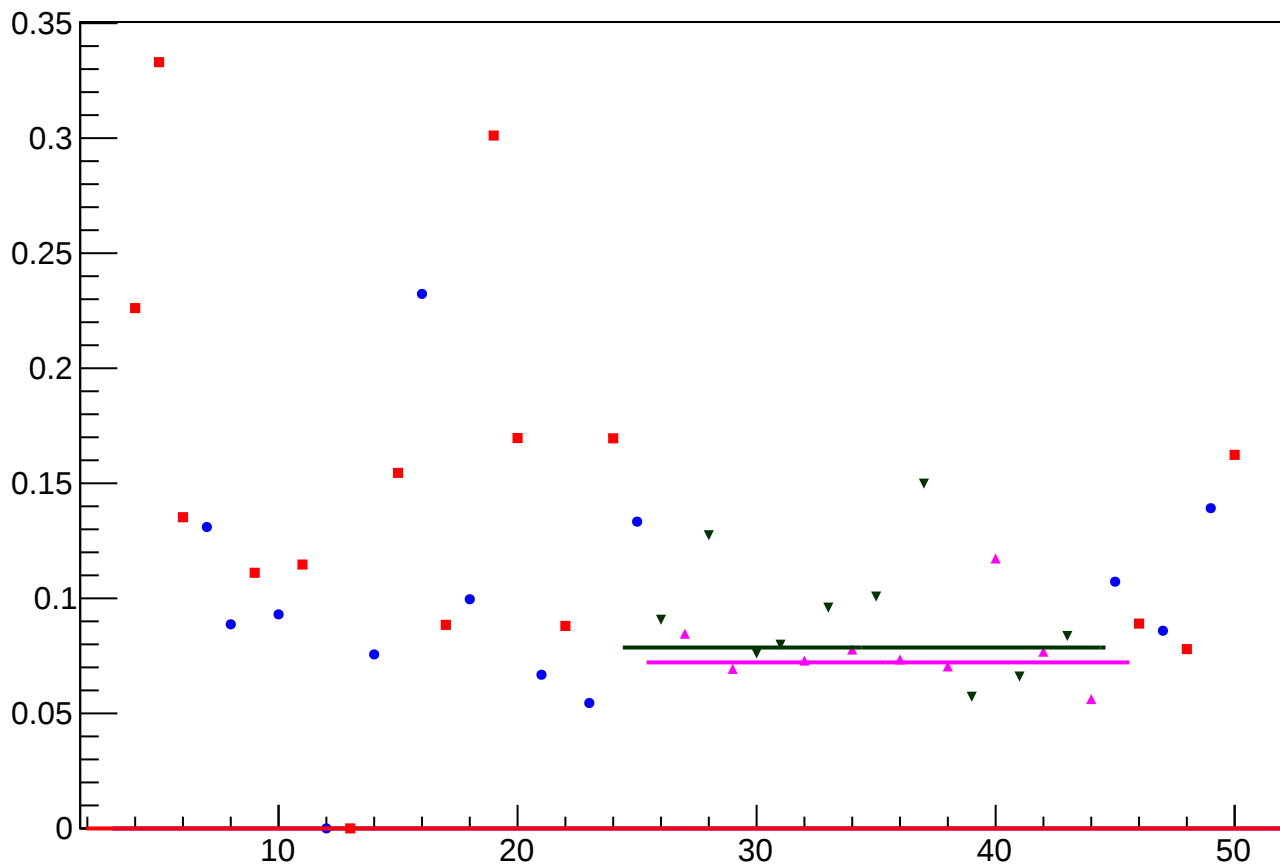
Right Out: -0.676+/-0.000 χ^2/NDF : 93660317.8/14

Left In: -0.186+/-0.000 χ^2/NDF :8365095.9/8

-0.676+/-0.000 χ^2/NDF : 460806338.8/22

-0.676+/-0.000 χ^2/NDF : 259507782.4/23

yield_cav4dY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 11061416.4/12

Left Out: 0.079+/-0.000 χ^2/NDF : 452862.6/9

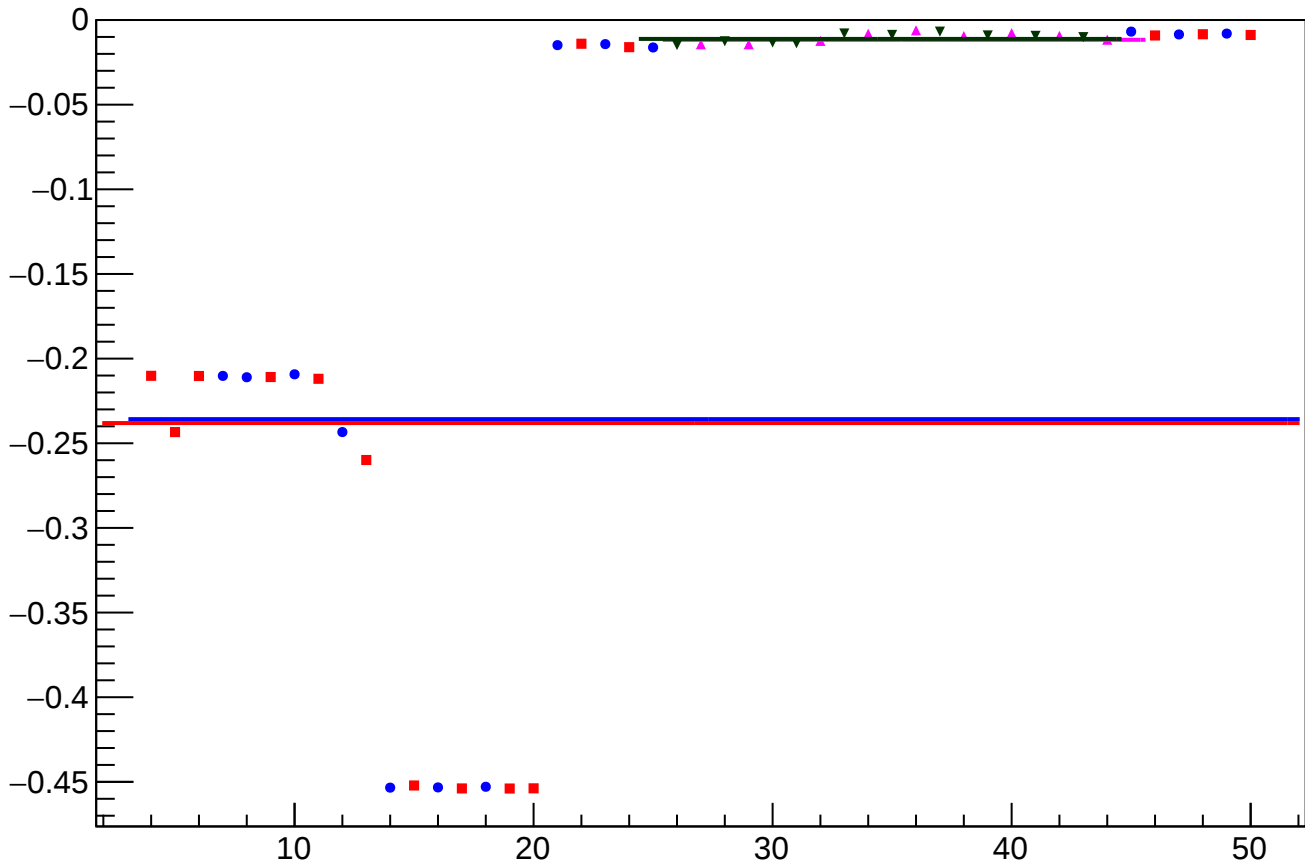
Right Out: 0.000+/-0.000 χ^2/NDF : 9982946.8/14

Left In: 0.072+/-0.000 χ^2/NDF : 192884.5/8

0.000+/-0.000 χ^2/NDF : 17261025.2/22

0.000+/-0.000 χ^2/NDF : 17001017.4/23

yield_bpm4aX_mean vs slug



Right In: -0.236+/-0.000 χ^2/NDF : 4601003695.3/12

Left Out: -0.011+/-0.000 χ^2/NDF : 401443.1/9

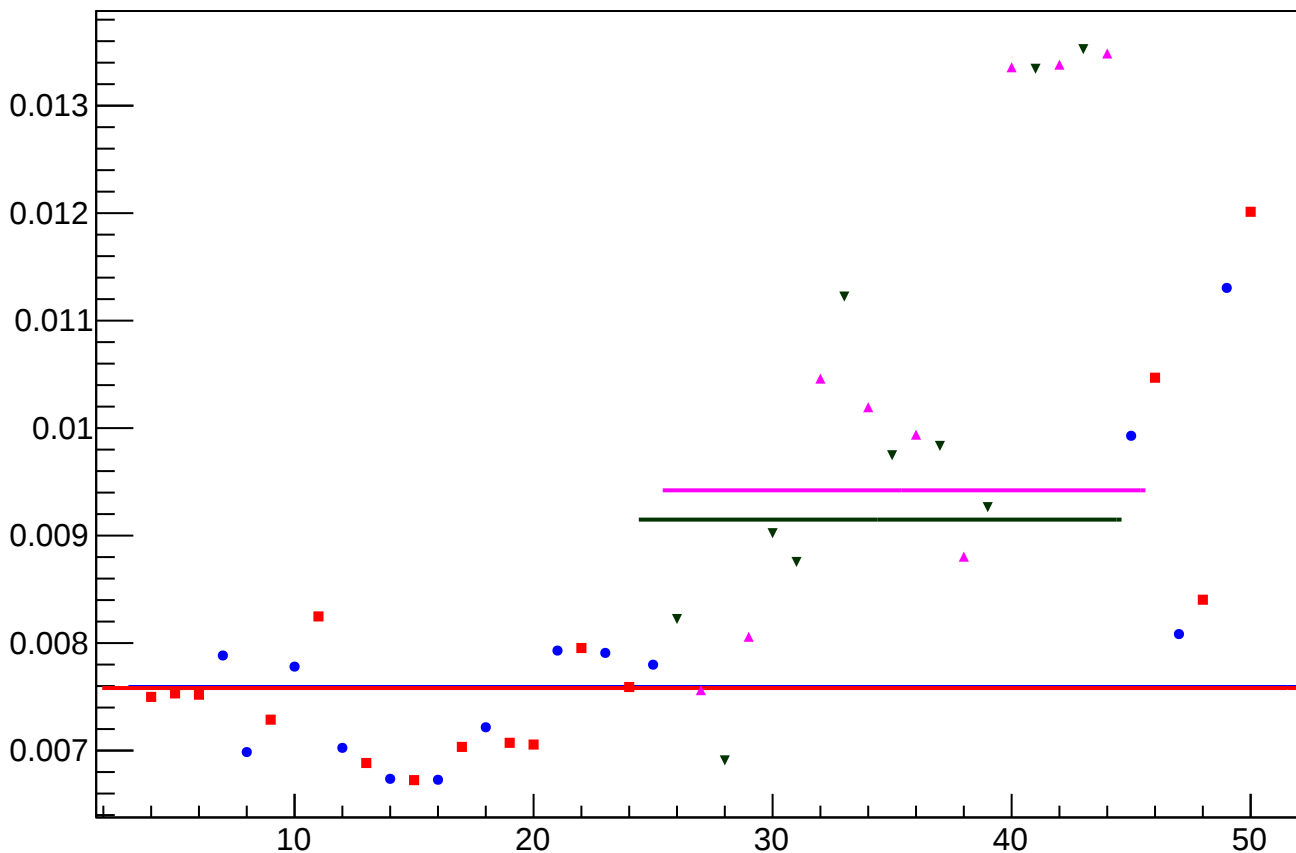
-0.169+/-0.000 χ^2/NDF : 6730689439.1/22

Right Out: -0.238+/-0.000 χ^2/NDF : 3469712646.3/14

-0.168+/-0.000 χ^2/NDF : 5591291260.1/23

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 : 340856.2/12

Left Out: 0.009+/-0.000 χ^2/NDF :410320.9/9

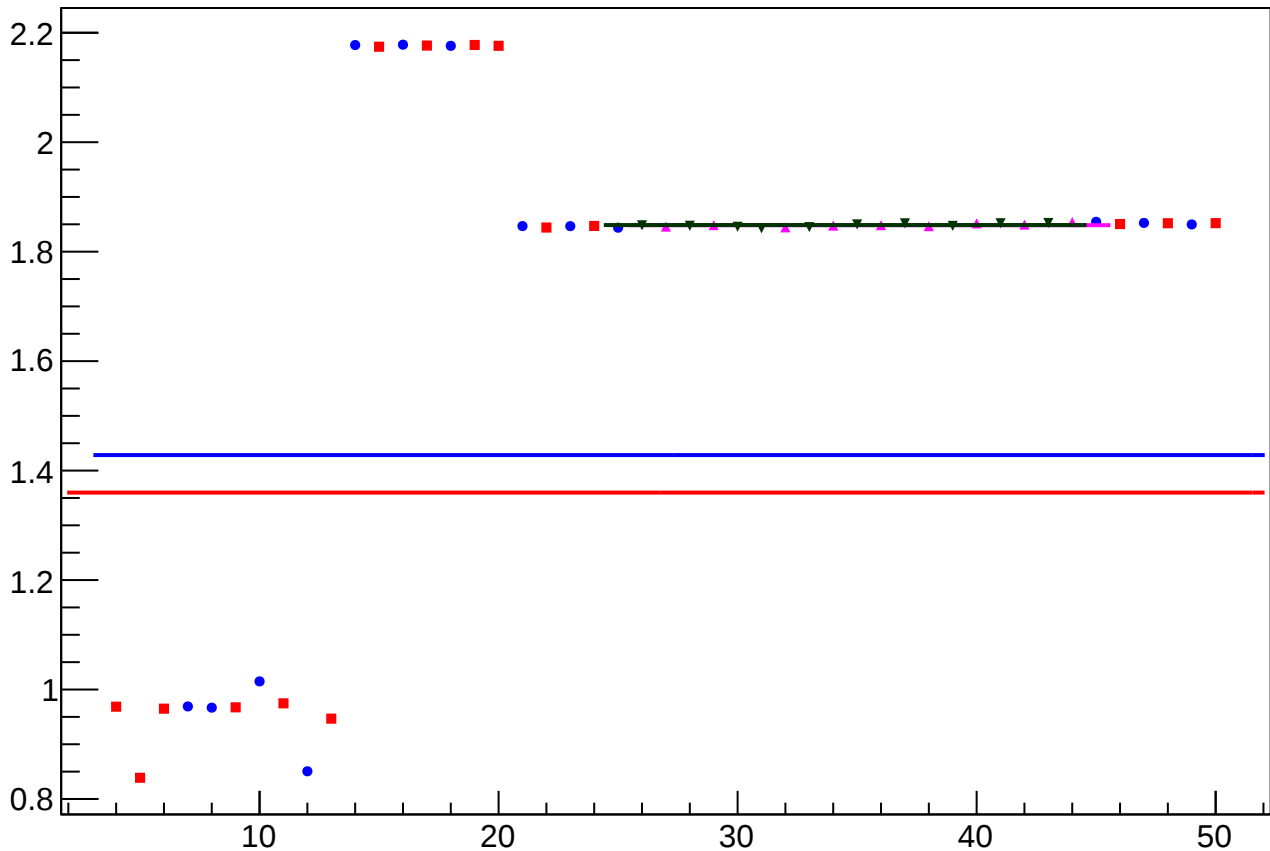
Right Out: 0.008+/-0.000 χ^2/NDF : 289235.9/14

Left In: 0.009+/-0.000 χ^2/NDF :449025.1/8

0.008+/-0.000 χ^2/NDF : 955971.3/22

0.008+/-0.000 χ^2/NDF : 1018365.1/23

yield_bpm4aY_mean vs slug



Right In: 1.428+/-0.000 χ^2/NDF : 13958888768.6/12

Left Out: 1.849+/-0.000 χ^2/NDF :239961.3/9

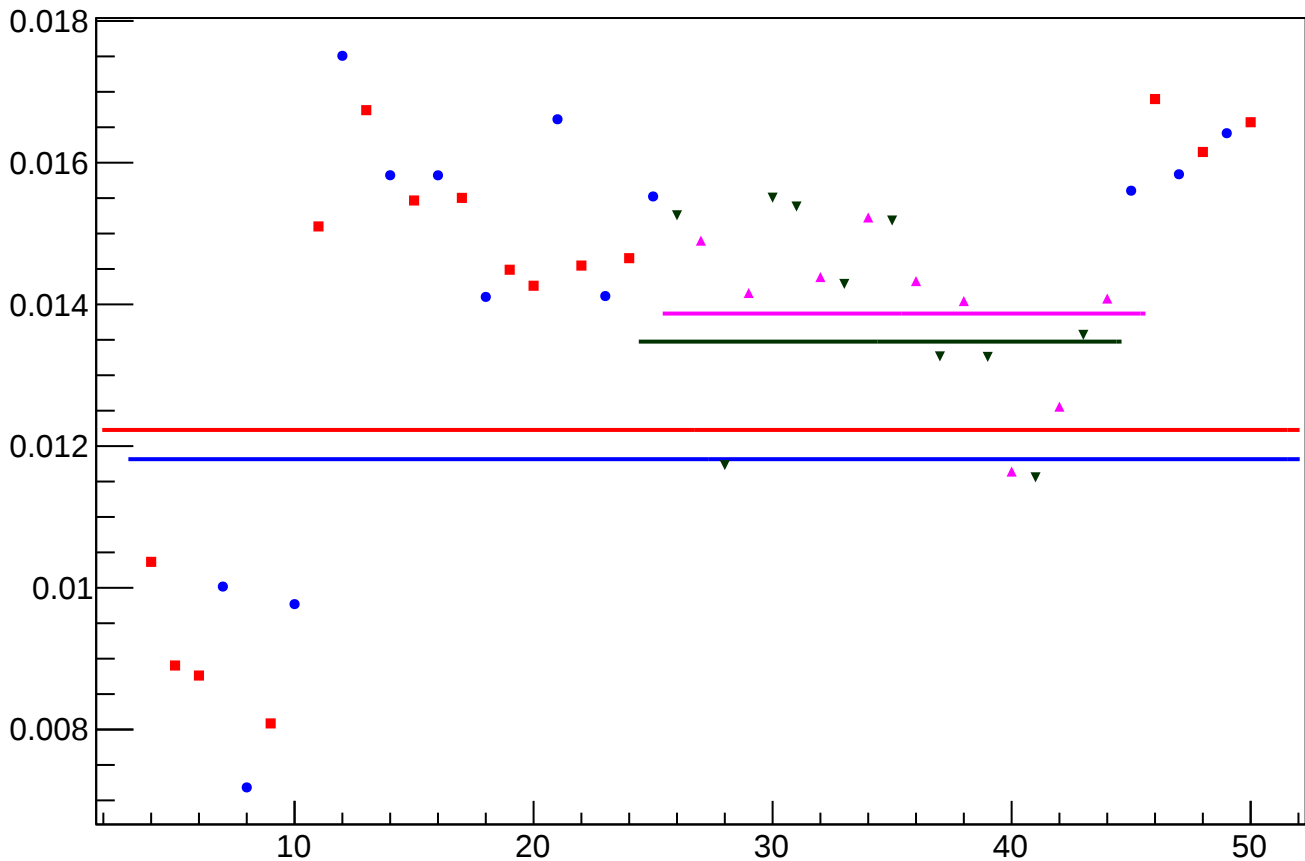
1.574+/-0.000 χ^2/NDF : 17155624896.2/22

Right Out: 1.360+/-0.000 χ^2/NDF : 12398105120.2/14

1.544+/-0.000 χ^2/NDF : 16621461372.1/23

Left In: 1.848+/-0.000 χ^2/NDF :226687.9/8

yield_bpm4aY_rms vs slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1613830.8/12

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 115364.2/9

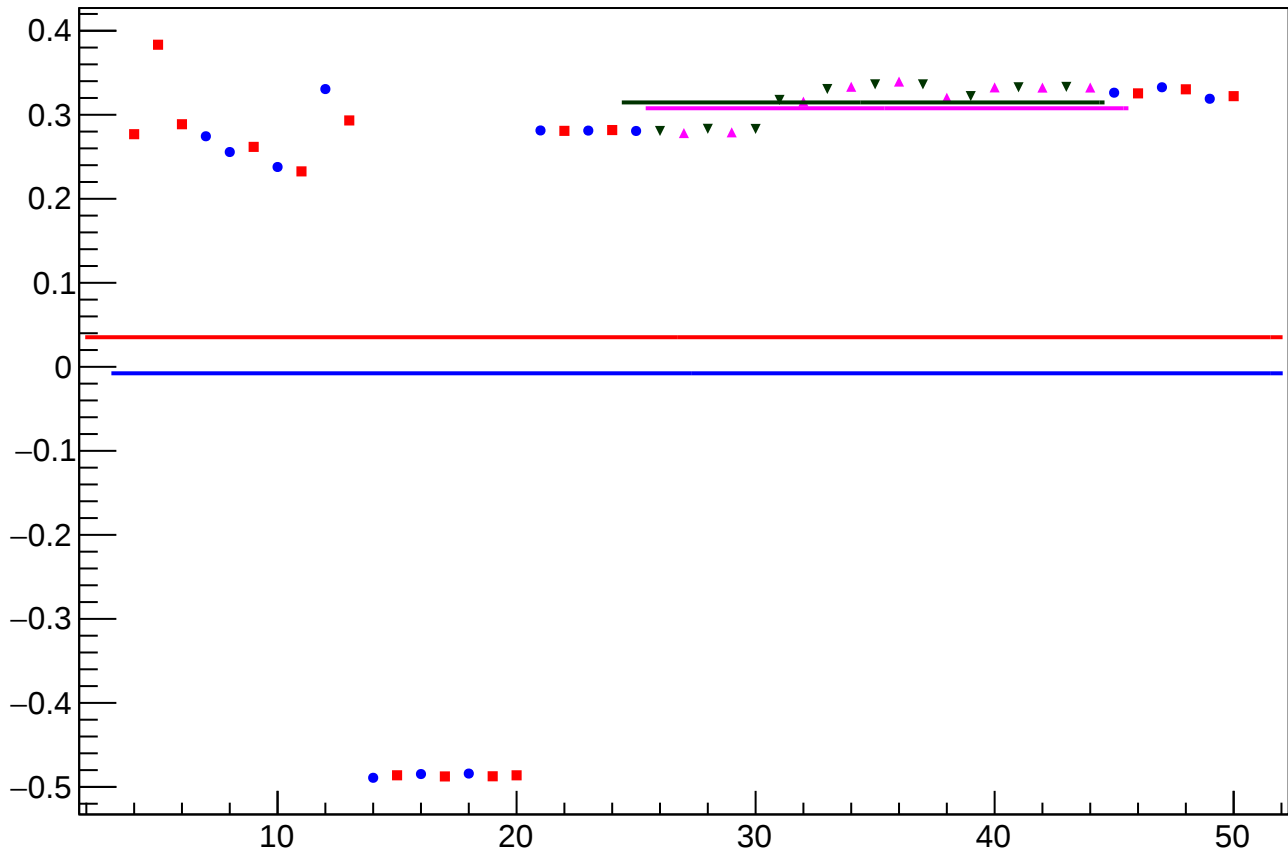
Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 1153140.1/14

Left In: 0.014 $\pm$ 0.000 χ^2 /NDF: 66613.9/8

0.012 $\pm$ 0.000 χ^2 /NDF: 1828864.3/22

0.013 $\pm$ 0.000 χ^2 /NDF: 1315236.4/23

yield_bpm4eX_mean vs slug



Right In: -0.008+/-0.000 χ^2/NDF : 3472556824.4/12

Left Out: 0.315+/-0.000 χ^2/NDF : 5189197.9/9

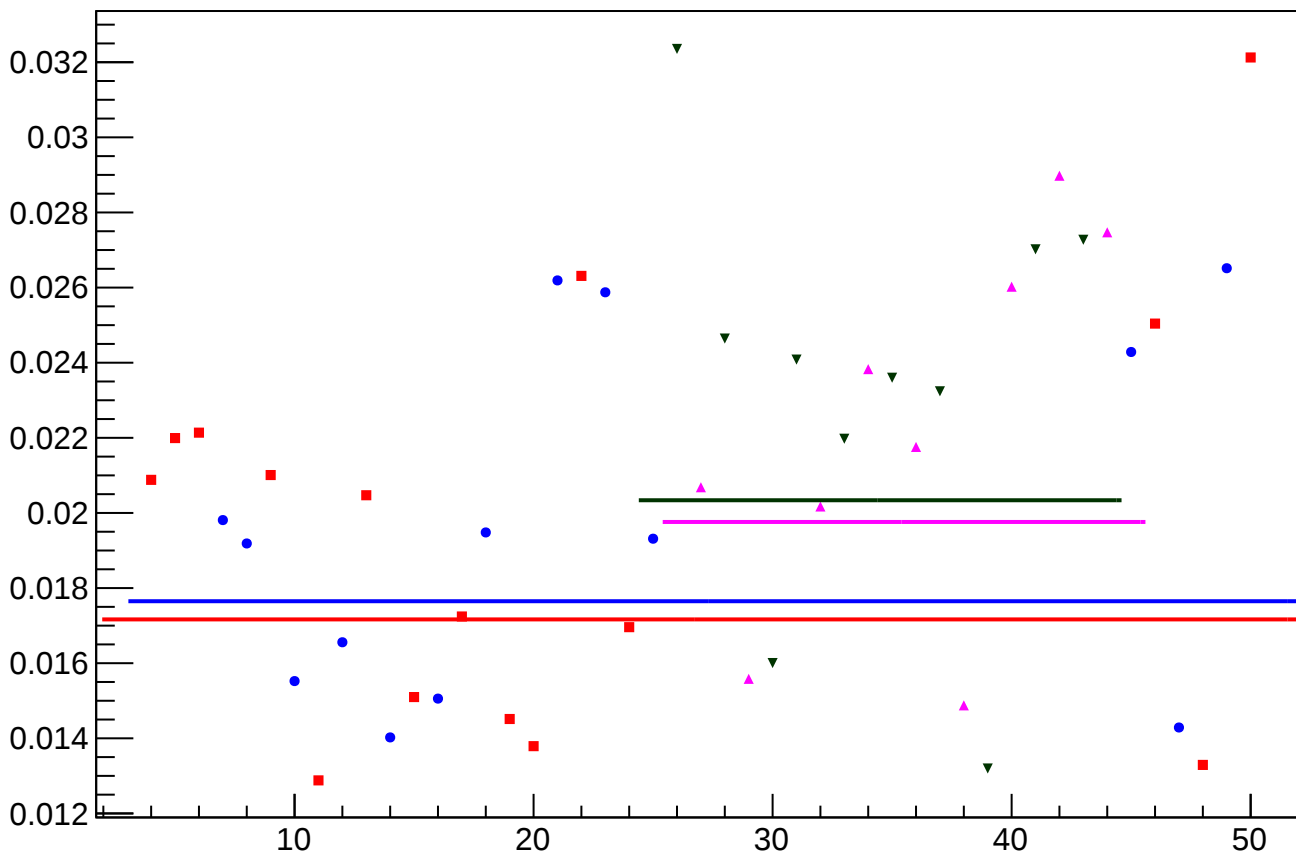
0.094+/-0.000 χ^2/NDF : 4280039489.1/22

Right Out: 0.035+/-0.000 χ^2/NDF : 3100234659.0/14

0.130+/-0.000 χ^2/NDF : 3727710462.7/23

Left In: 0.308+/-0.000 χ^2/NDF : 7383992.6/8

yield_bpm4eX_rms vs slug



Right In: 0.018+/-0.000 χ^2/NDF : 799603.0/12

Left Out: 0.020+/-0.000 χ^2/NDF : 733336.7/9

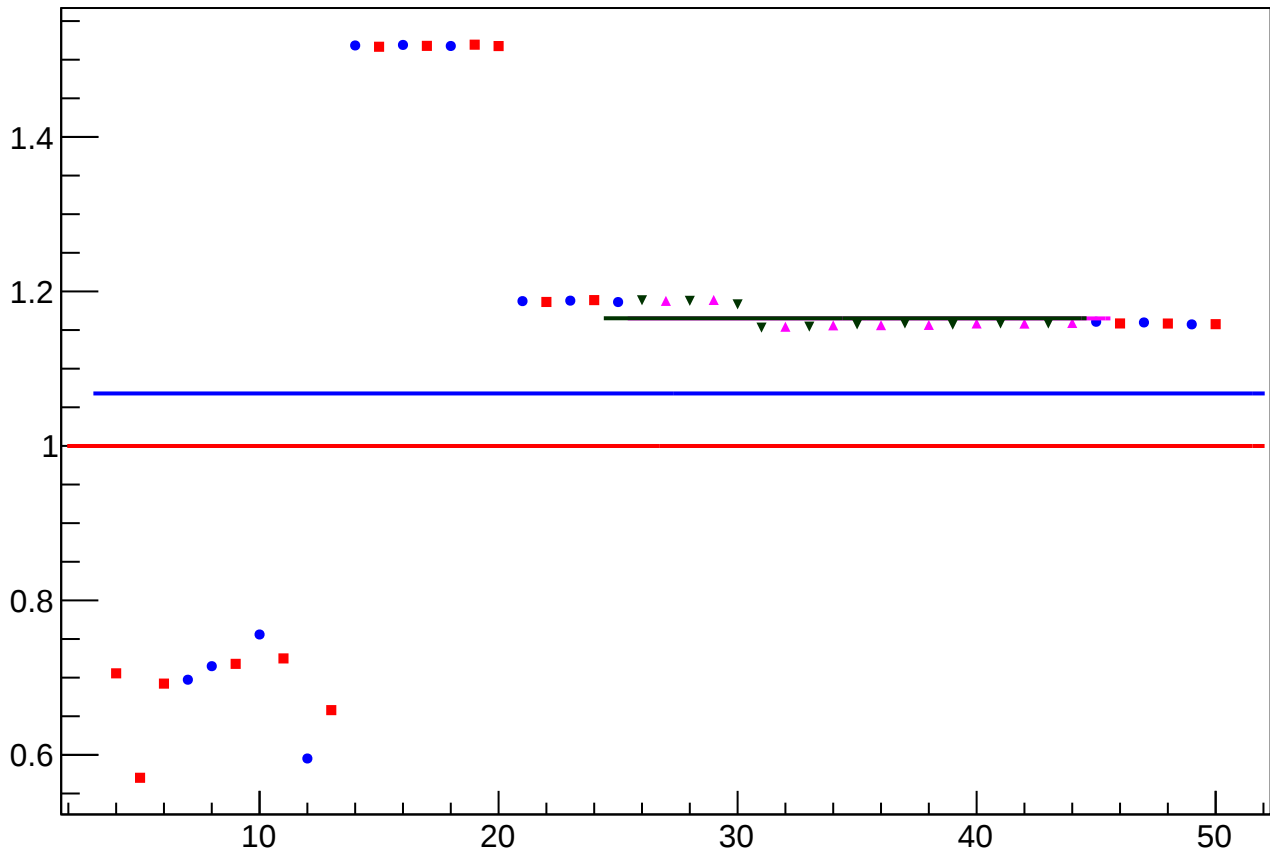
Right Out: 0.017+/-0.000 χ^2/NDF : 915446.8/14

Left In: 0.020+/-0.000 χ^2/NDF : 482021.9/8

0.019+/-0.000 χ^2/NDF : 1644493.5/22

0.018+/-0.000 χ^2/NDF : 1509872.7/23

yield_bpm4eY_mean vs slug



Right In: 1.068+/-0.000 χ^2/NDF : 10434131153.8/12

Left Out: 1.165+/-0.000 χ^2/NDF :12143638.8/9

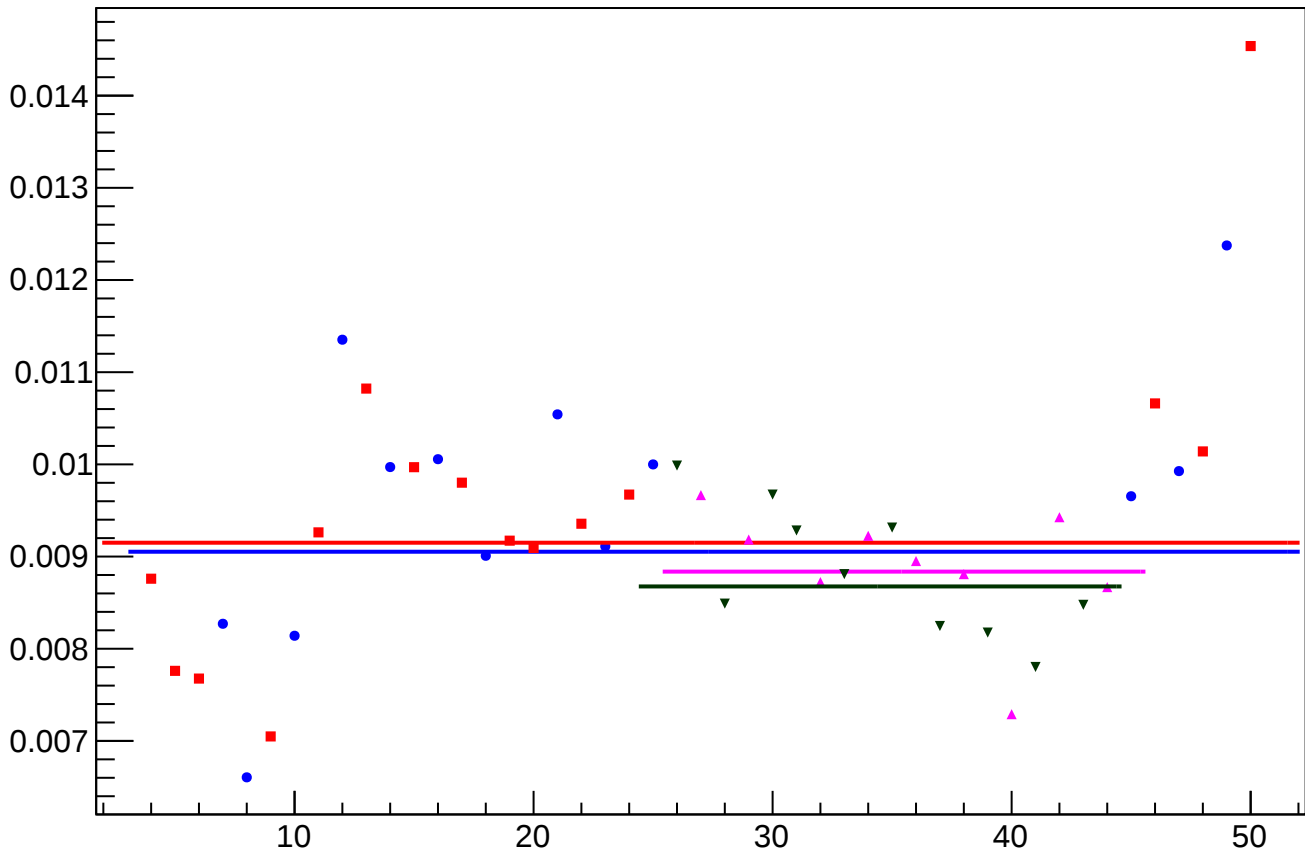
1.108+/-0.000 χ^2/NDF : 10821507405.8/22

Right Out: 1.000+/-0.000 χ^2/NDF : 10208056405.6/14

1.072+/-0.000 χ^2/NDF : 11277583225.8/23

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 : 499092.0/12

Left Out: 0.009+/-0.000 χ^2/NDF : 57413.1/9

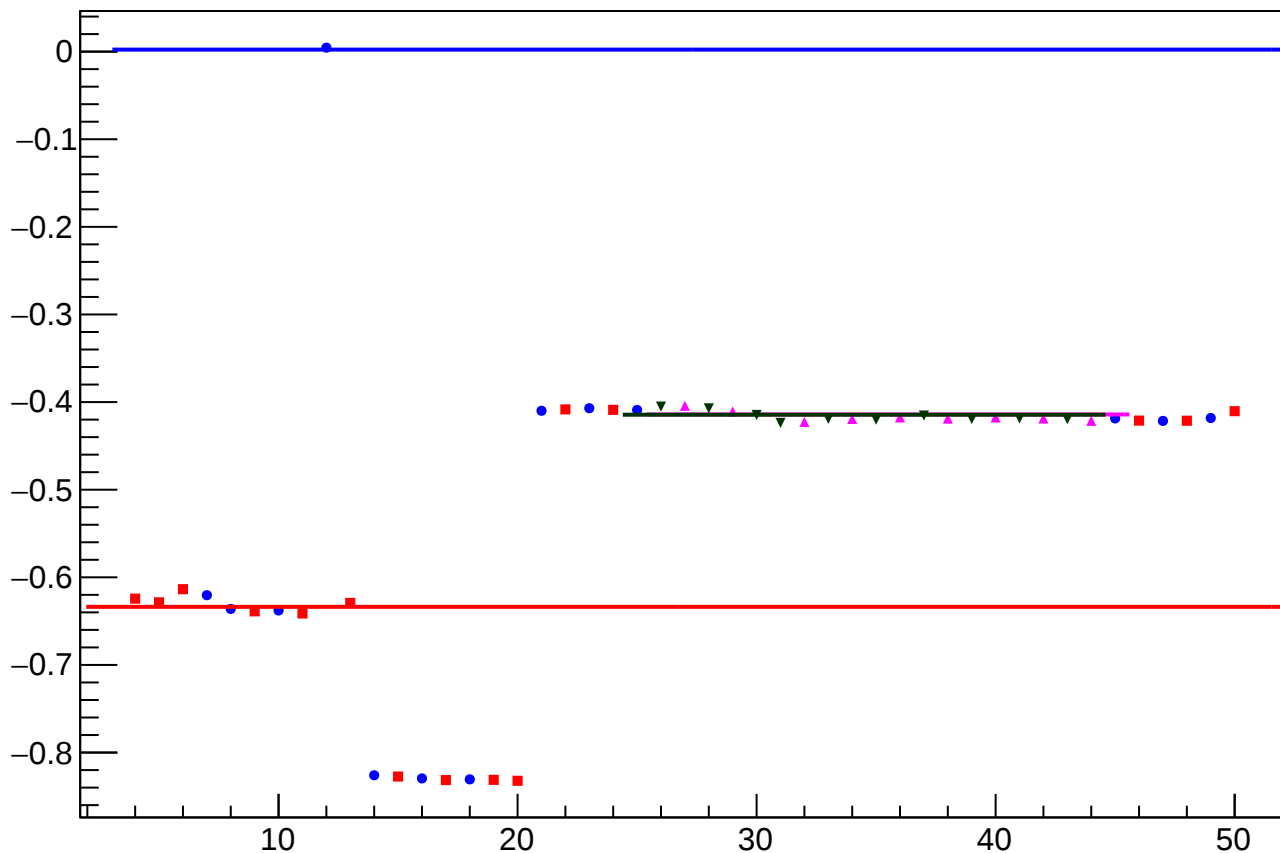
Right Out: 0.009+/-0.000 χ^2/NDF : 394146.6/14

Left In: 0.009+/-0.000 χ^2/NDF : 63755.7/8

0.009+/-0.000 χ^2/NDF : 567735.5/22

0.009+/-0.000 χ^2/NDF : 465518.7/23

yield_bpm4acX_mean vs slug



Right In: 0.002+/-0.000 χ^2/NDF : 55505913690.2/12

Left Out: -0.414+/-0.000 χ^2/NDF : 2260145.2/9

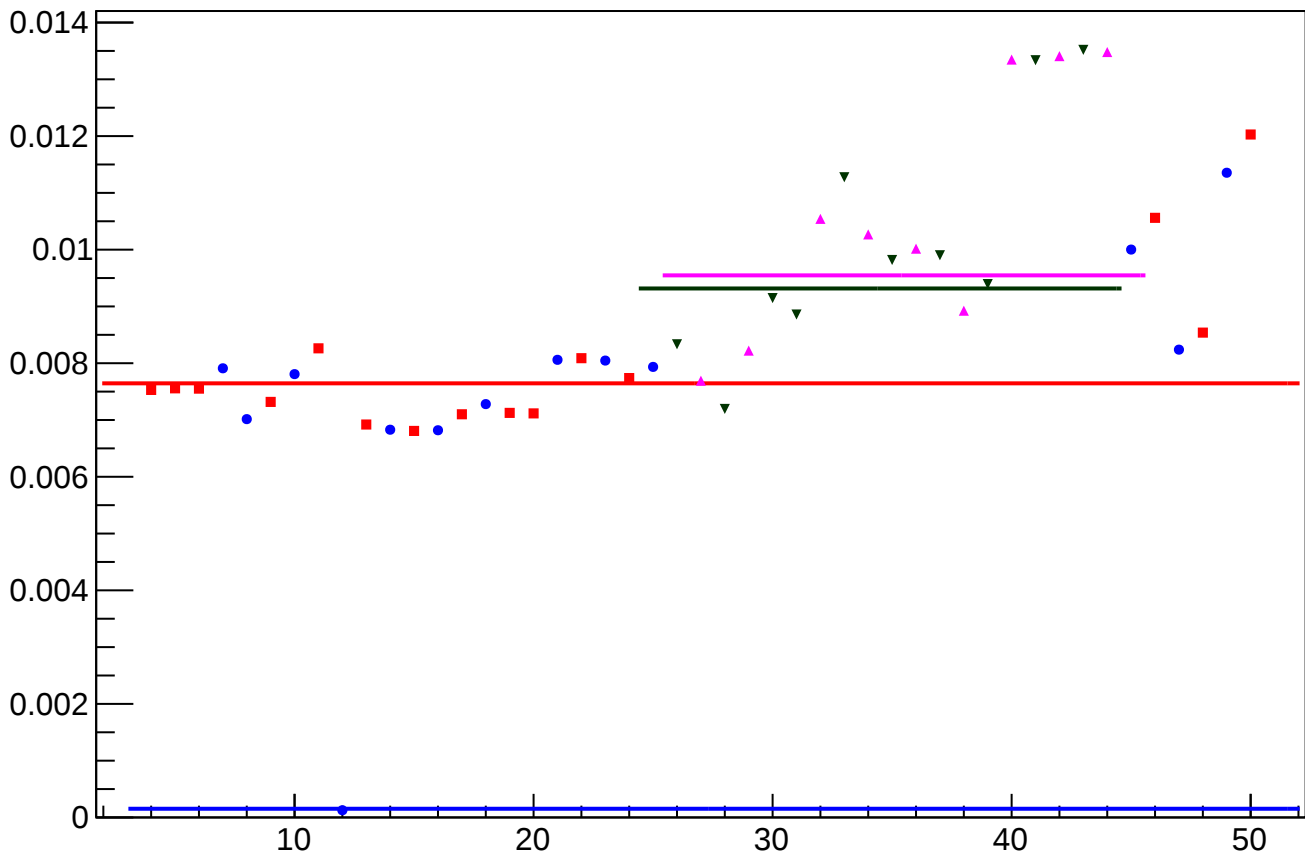
Right Out: -0.634+/-0.000 χ^2/NDF : 2996577922.6/14

Left In: -0.414+/-0.000 χ^2/NDF : 2651942.7/8

0.002+/-0.000 χ^2/NDF : 65615156287.3/22

-0.566+/-0.000 χ^2/NDF : 4953063858.8/23

yield_bpm4acX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 14972165.0/12

Left Out: 0.009+/-0.000 χ^2/NDF : 365508.7/9

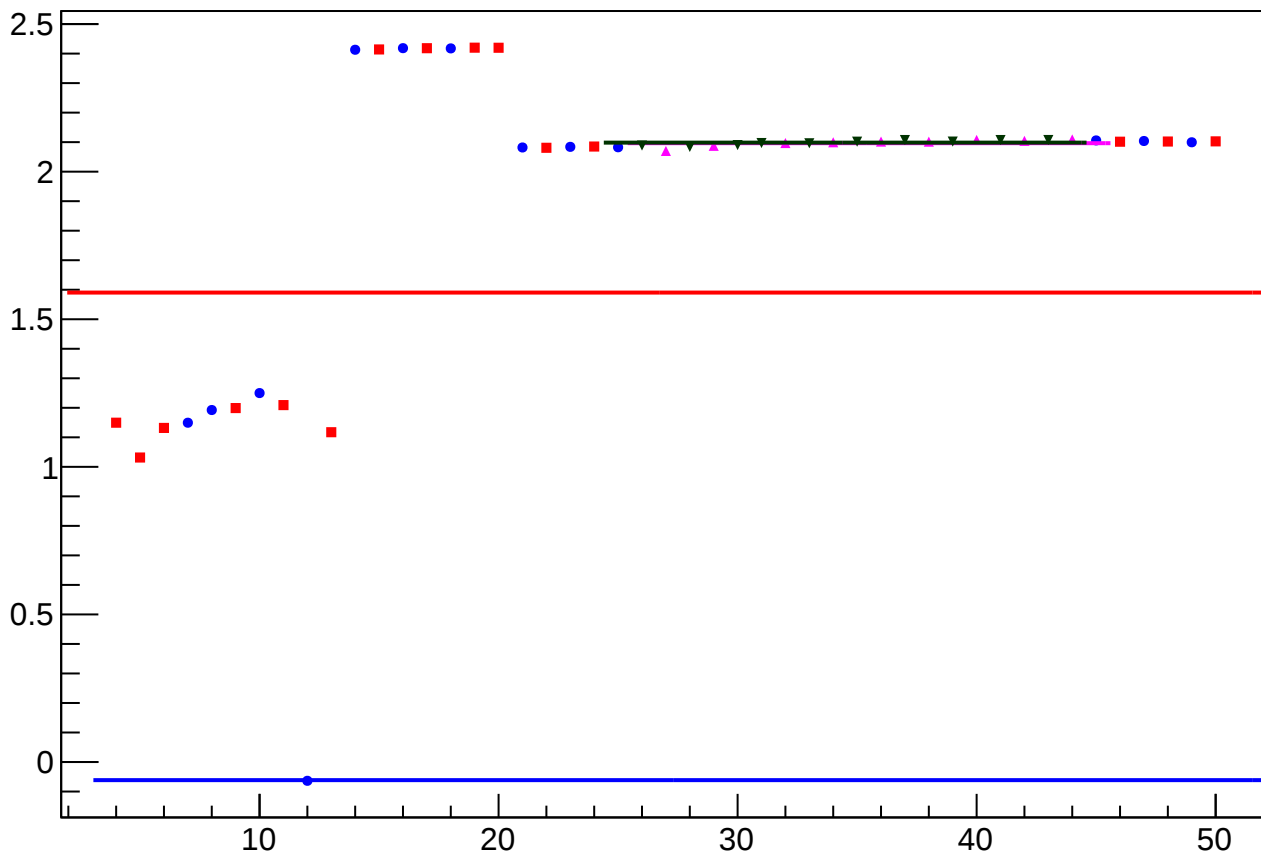
0.000+/-0.000 χ^2/NDF : 25111427.4/22

Right Out: 0.008+/-0.000 χ^2/NDF : 287669.3/14

0.008+/-0.000 χ^2/NDF : 1002560.7/23

Left In: 0.010+/-0.000 χ^2/NDF : 421826.7/8

yield_bpm4acY_mean vs slug



Right In: -0.061+/-0.000 χ^2/NDF : 161678357704.8/12

Left Out: 2.098+/-0.000 χ^2/NDF : 2018647.6/9

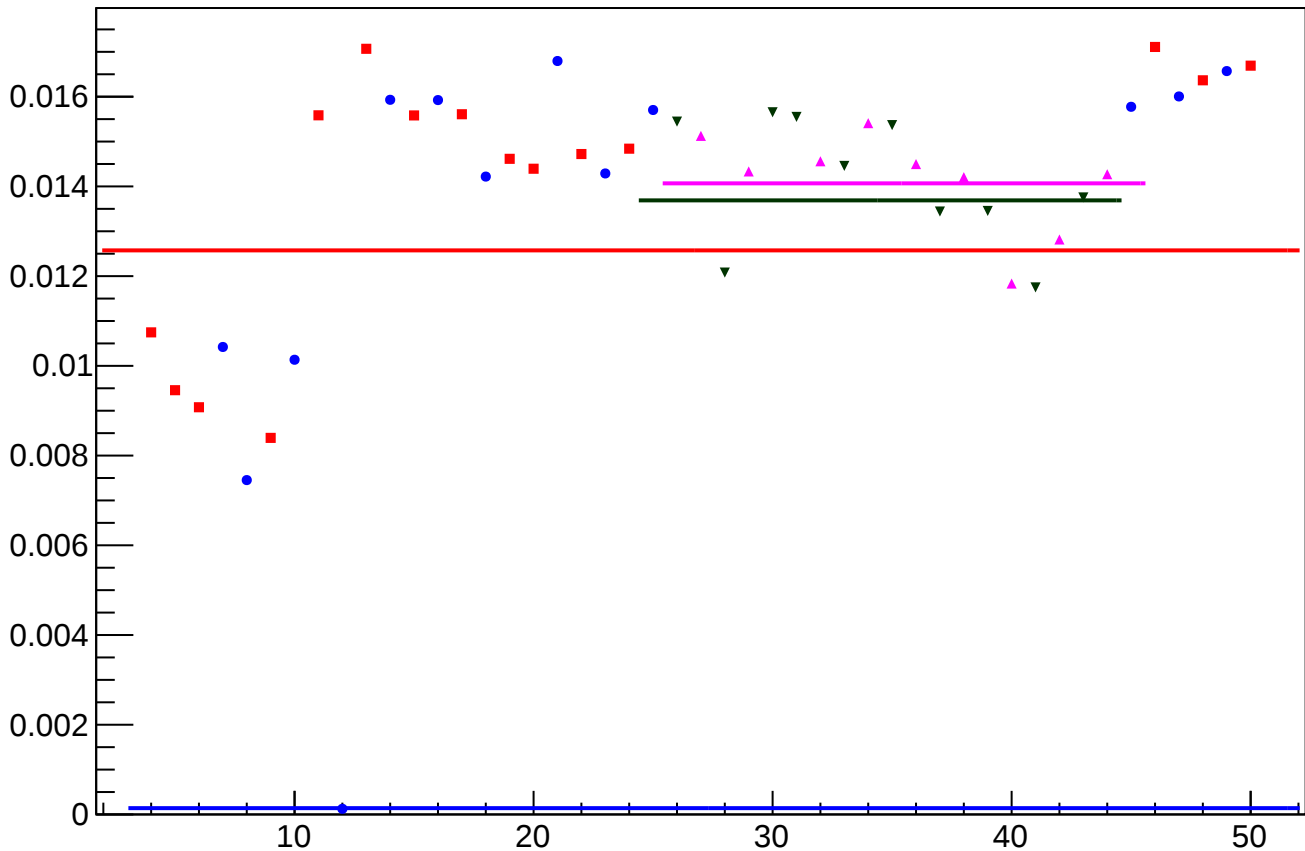
Right Out: 1.590+/-0.000 χ^2/NDF : 12900711449.1/14

Left In: 2.096+/-0.000 χ^2/NDF : 3992542.9/8

-0.060+/-0.000 χ^2/NDF : 286993379689.3/22

1.783+/-0.000 χ^2/NDF : 17269078483.7/23

yield_bpm4acY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 14698808.1/12

Left Out: 0.014+/-0.000 χ^2/NDF :106273.7/9

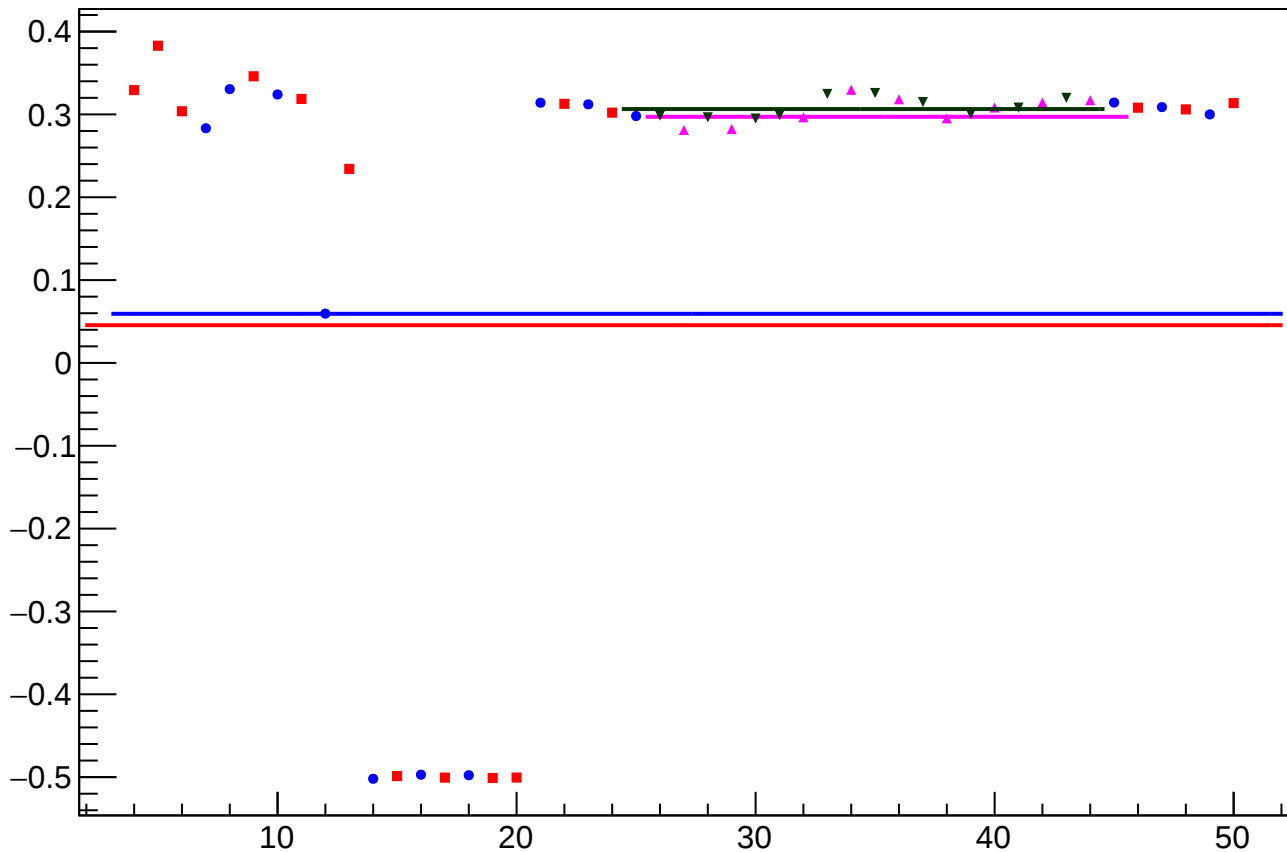
0.000+/-0.000 χ^2/NDF : 24667371.9/22

Right Out: 0.013+/-0.000 χ^2/NDF : 1060233.2/14

0.013+/-0.000 χ^2/NDF : 1199697.7/23

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 : 3815162577.6/12

Left Out: 0.306 $\pm$ 0.000 χ^2/NDF :1355327.7/9

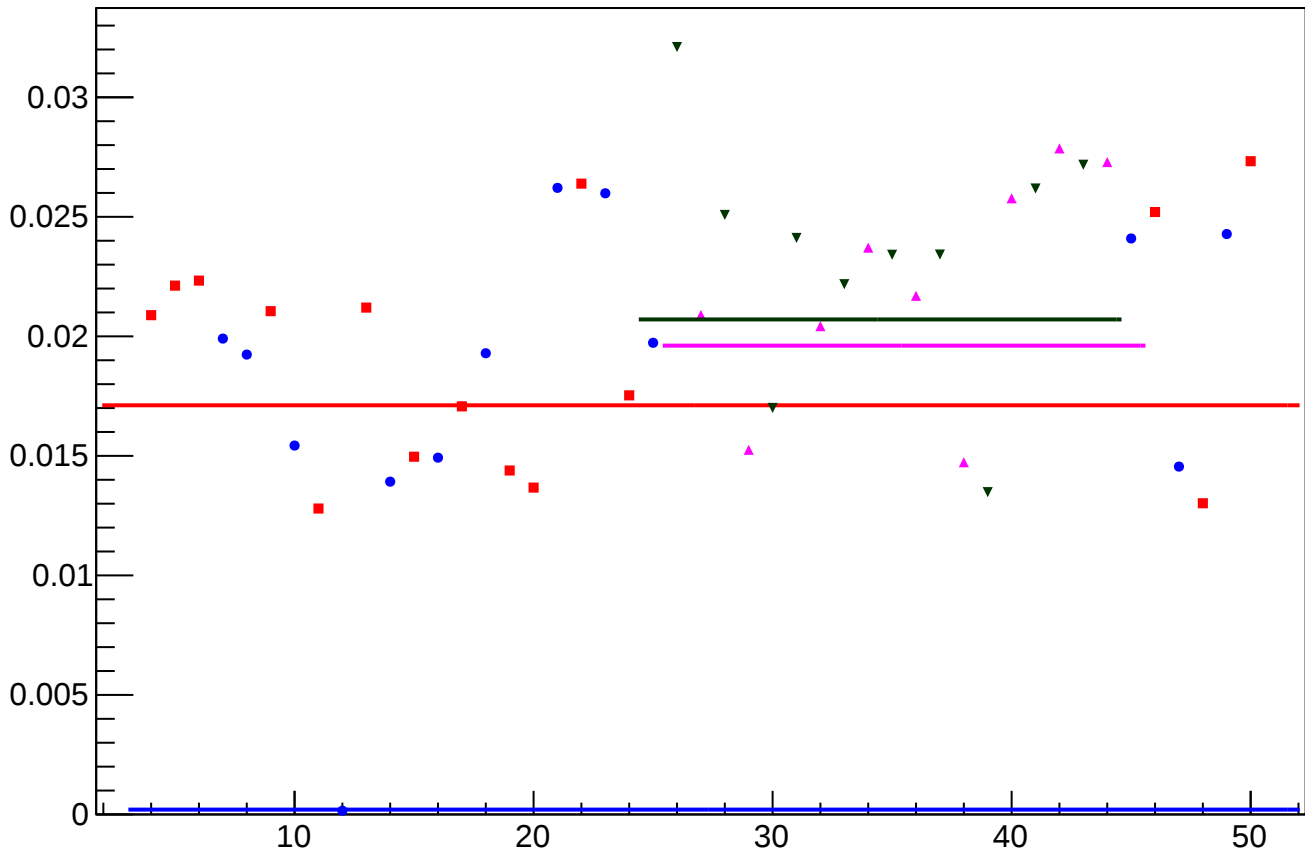
0.060 $\pm$ 0.000 χ^2/NDF : 4488659832.6/22

Right Out: 0.046 $\pm$ 0.000 χ^2/NDF : 3459553845.1/14

0.134 $\pm$ 0.000 χ^2/NDF : 3999366053.0/23

Left In: 0.297 $\pm$ 0.000 χ^2/NDF :3115046.5/8

yield_bpm4ecX_rms vs slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 14566662.4/12

Left Out: 0.021 $\pm$ 0.000 χ^2/NDF : 655279.7/9

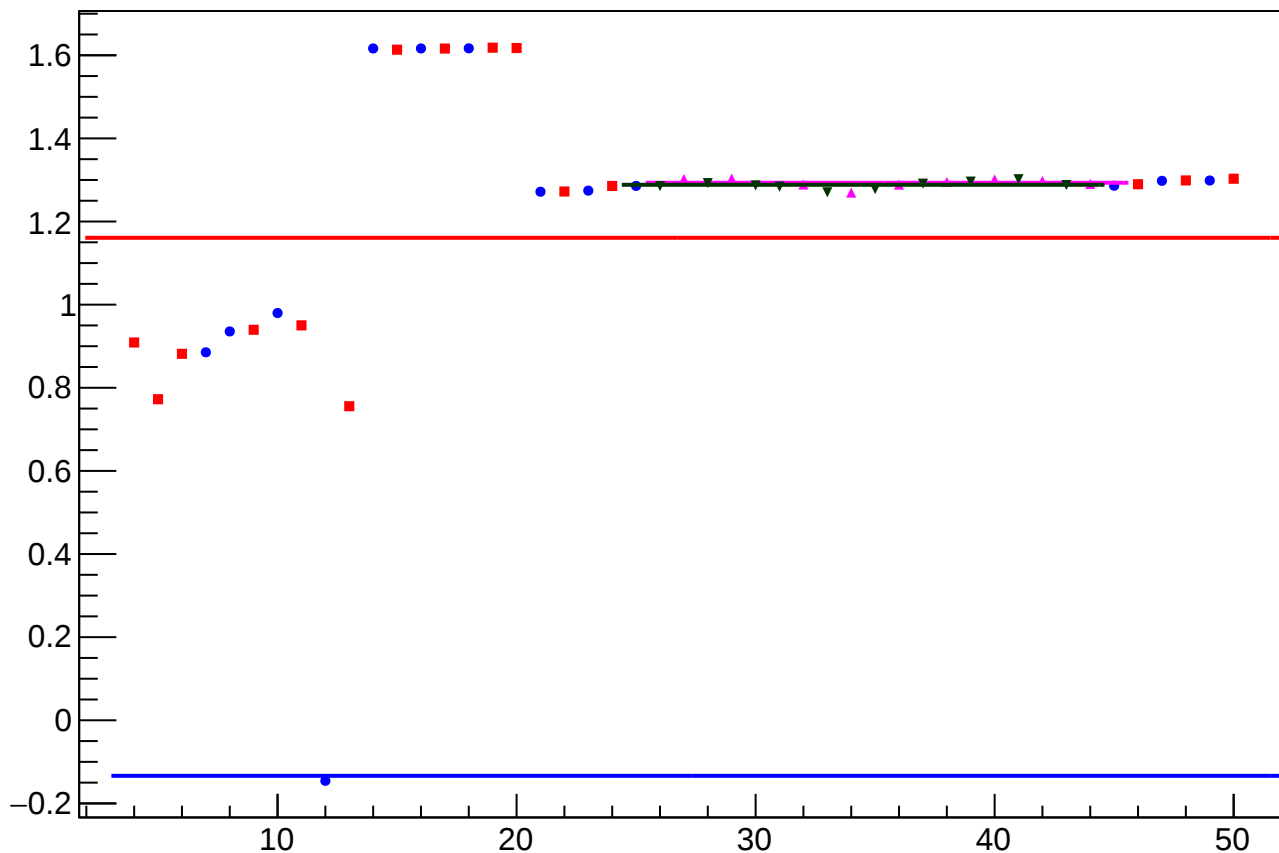
0.000 $\pm$ 0.000 χ^2/NDF : 24474233.7/22

Right Out: 0.017 $\pm$ 0.000 χ^2/NDF : 897850.5/14

0.018 $\pm$ 0.000 χ^2/NDF : 1496957.5/23

Left In: 0.020 $\pm$ 0.000 χ^2/NDF : 493445.7/8

yield_bpm4ecY_mean vs slug



Right In: -0.134+/-0.000 χ^2/NDF : 159116777661.8/12

Left Out: 1.288+/-0.000 χ^2/NDF : 3982202.6/9

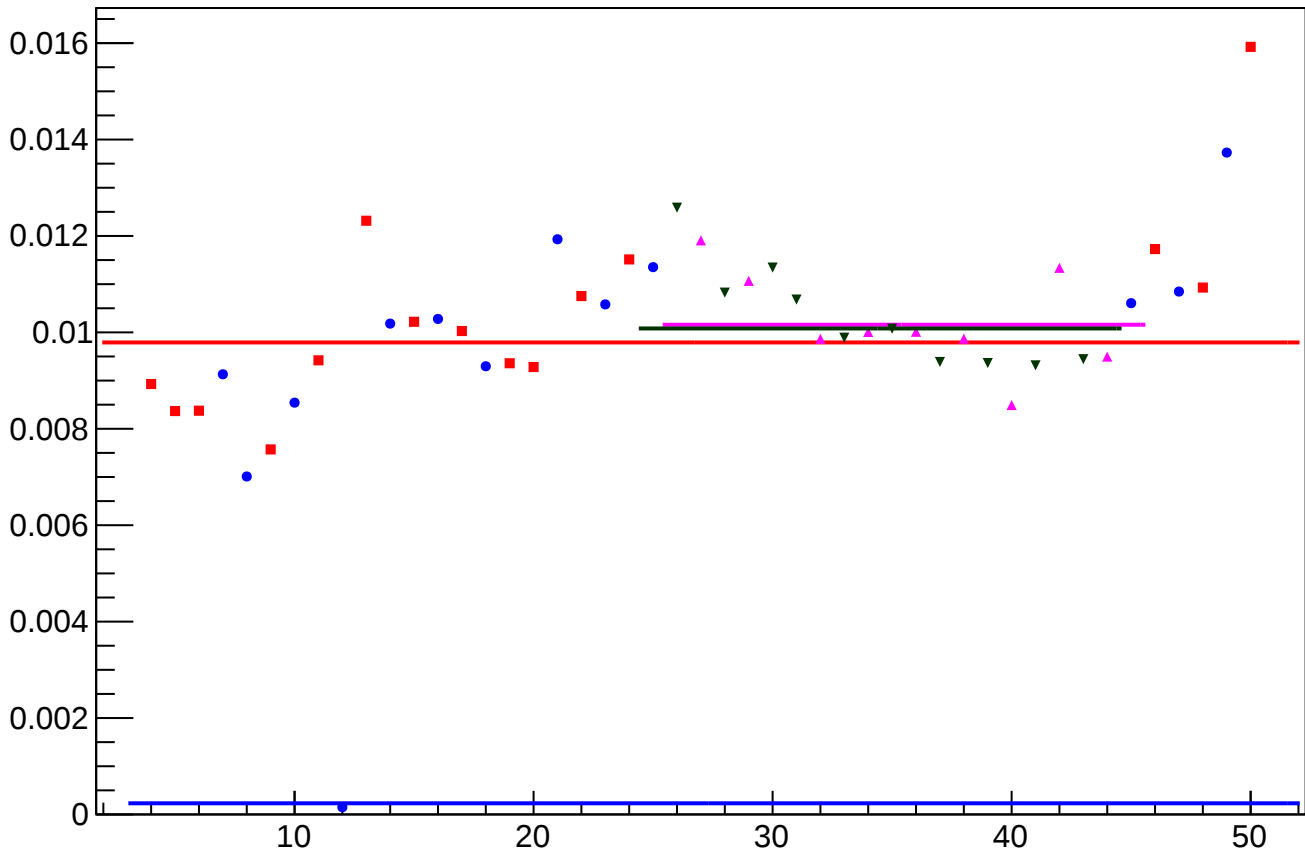
Right Out: 1.161+/-0.000 χ^2/NDF : 7205719136.9/14

Left In: 1.293+/-0.000 χ^2/NDF : 4686204.8/8

-0.126+/-0.000 χ^2/NDF : 259965816988.5/22

1.215+/-0.000 χ^2/NDF : 7754078571.9/23

yield_bpm4ecY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 14433666.2/12

Left Out: 0.010+/-0.000 χ^2/NDF : 82741.5/9

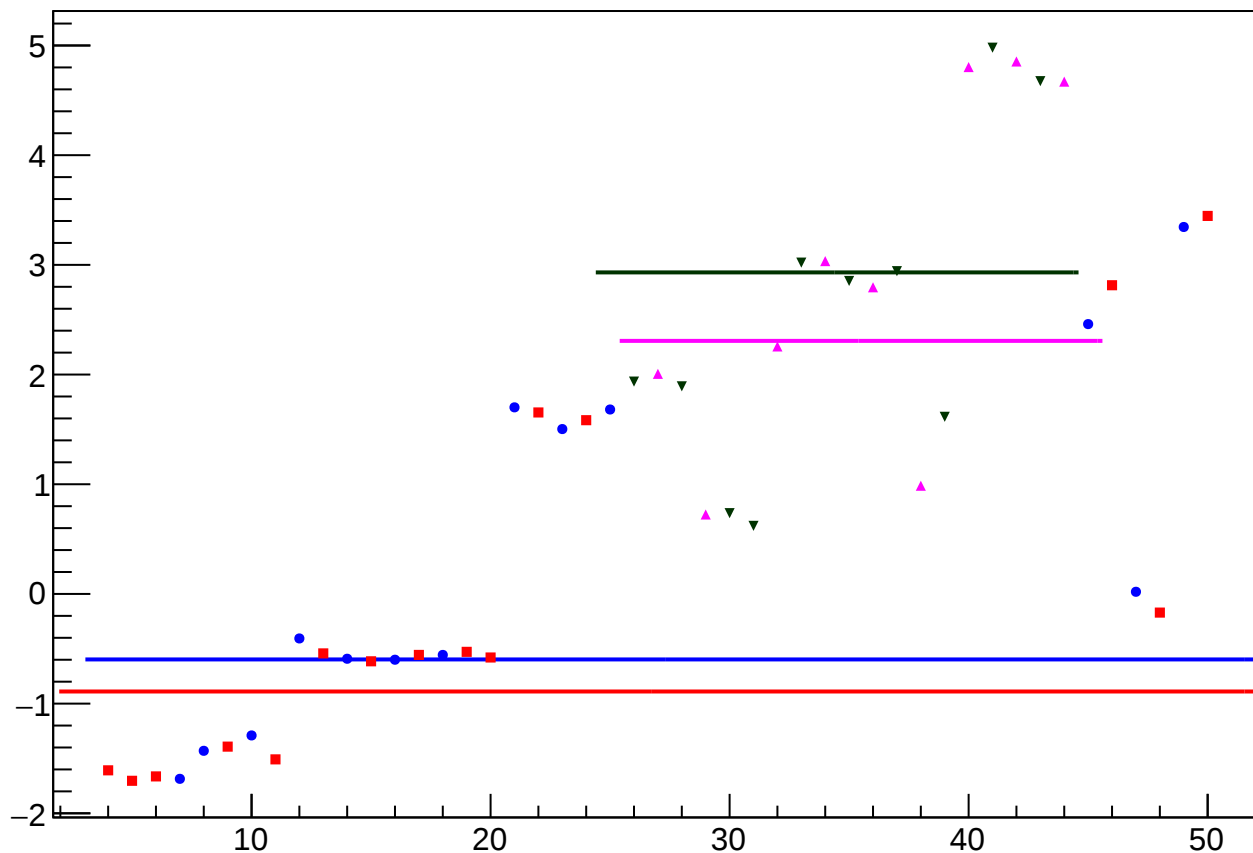
0.000+/-0.000 χ^2/NDF : 24193344.4/22

Right Out: 0.010+/-0.000 χ^2/NDF : 460901.6/14

0.010+/-0.000 χ^2/NDF : 570240.5/23

Left In: 0.010+/-0.000 χ^2/NDF : 100961.6/8

yield_bpm1X_mean vs slug



Right In: -0.597+/-0.000 χ^2/NDF : 5201400921.2/12

Left Out: 2.931+/-0.000 χ^2/NDF : 696767729.4/9

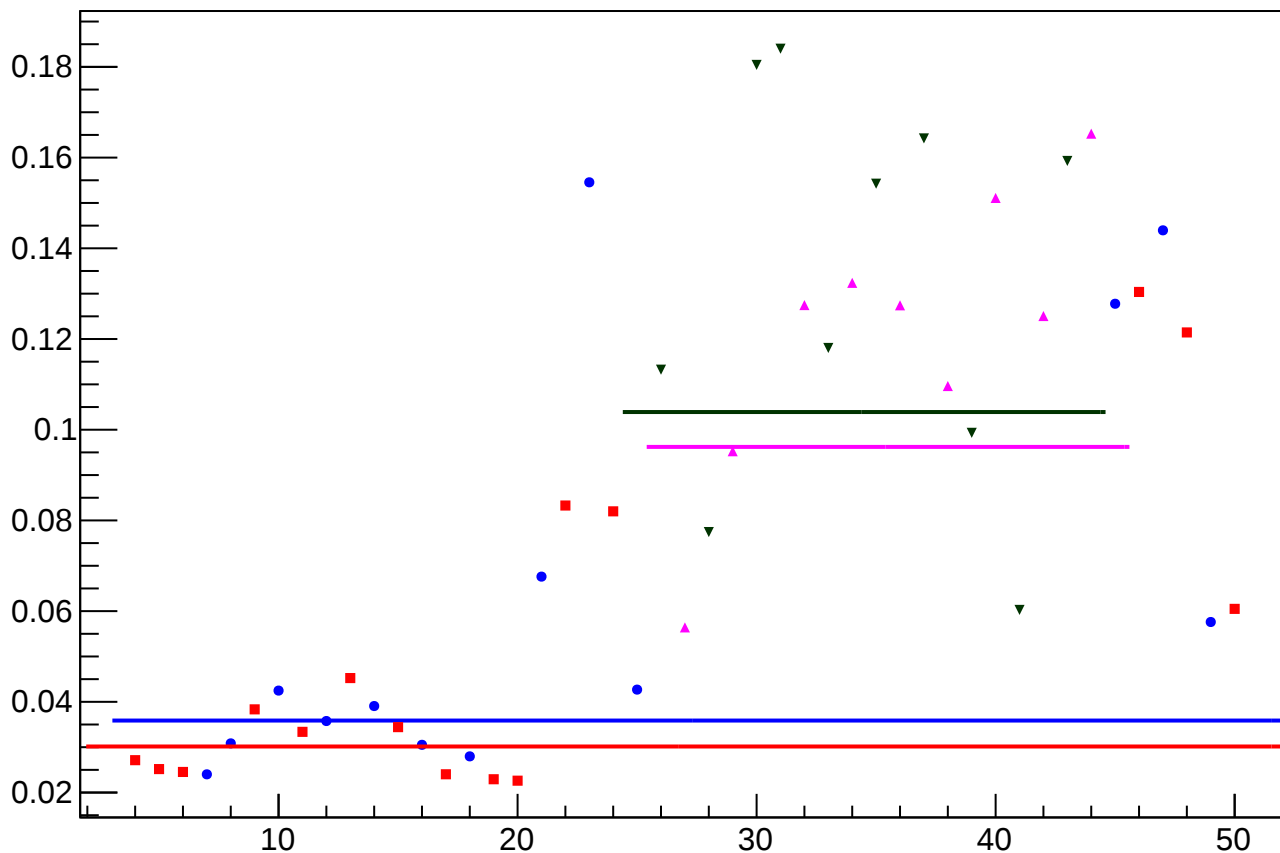
Right Out: -0.889+/-0.000 χ^2/NDF : 4323493785.8/14

Left In: 2.307+/-0.000 χ^2/NDF : 637059338.1/8

-0.335+/-0.000 χ^2/NDF : 9666223705.1/22

-0.666+/-0.000 χ^2/NDF : 8911539181.0/23

yield_bpm1X_rms vs slug



Right In: 0.036+/-0.000 χ^2/NDF : 2274380.0/12

Left Out: 0.104+/-0.000 χ^2/NDF :1068598.5/9

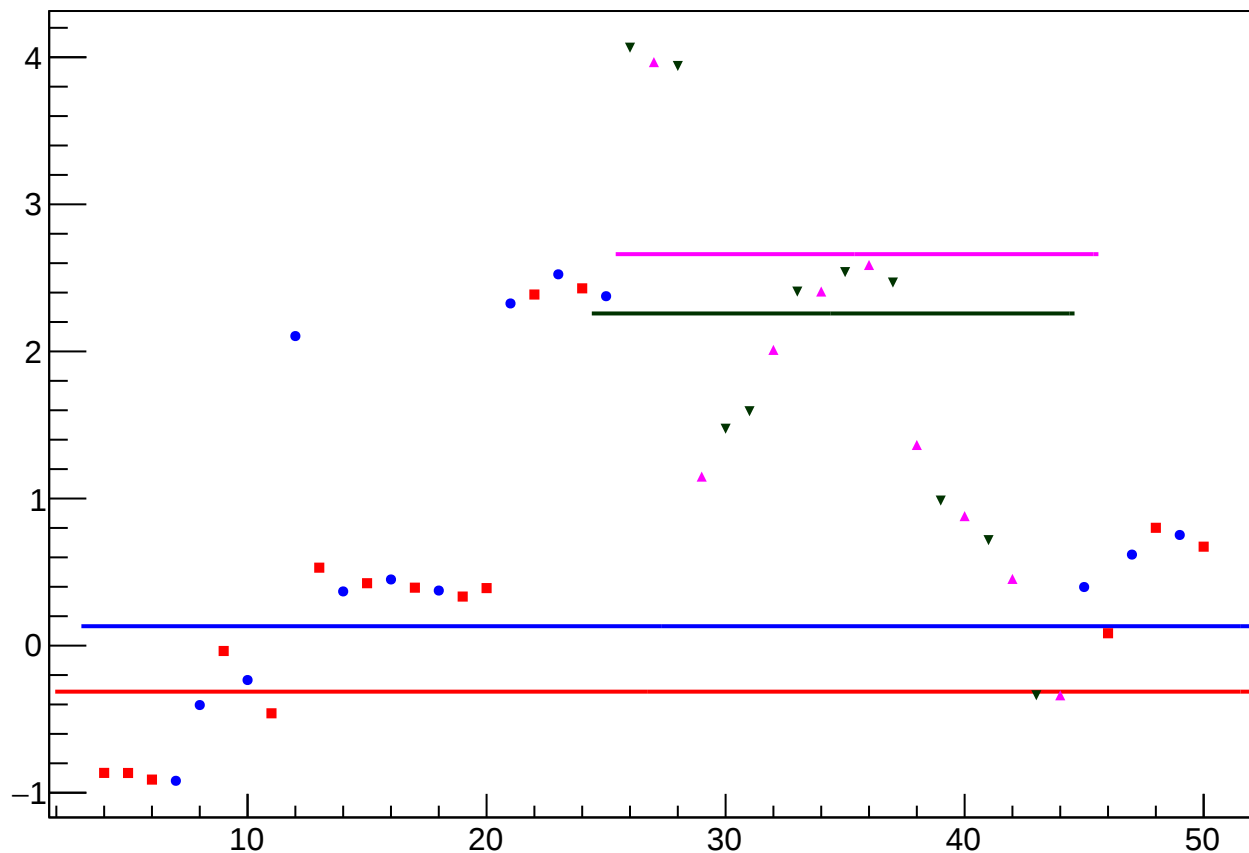
Right Out: 0.030+/-0.000 χ^2/NDF : 2046868.8/14

Left In: 0.096+/-0.000 χ^2/NDF :1062303.0/8

0.041+/-0.000 χ^2/NDF : 6144015.5/22

0.035+/-0.000 χ^2/NDF : 6483889.9/23

yield_bpm1Y_mean vs slug



Right In: 0.132 $\pm$ 0.000 χ^2 /NDF: 8270648993.3/12

Left Out: 2.258 $\pm$ 0.000 χ^2 /NDF:1464188140.1/9

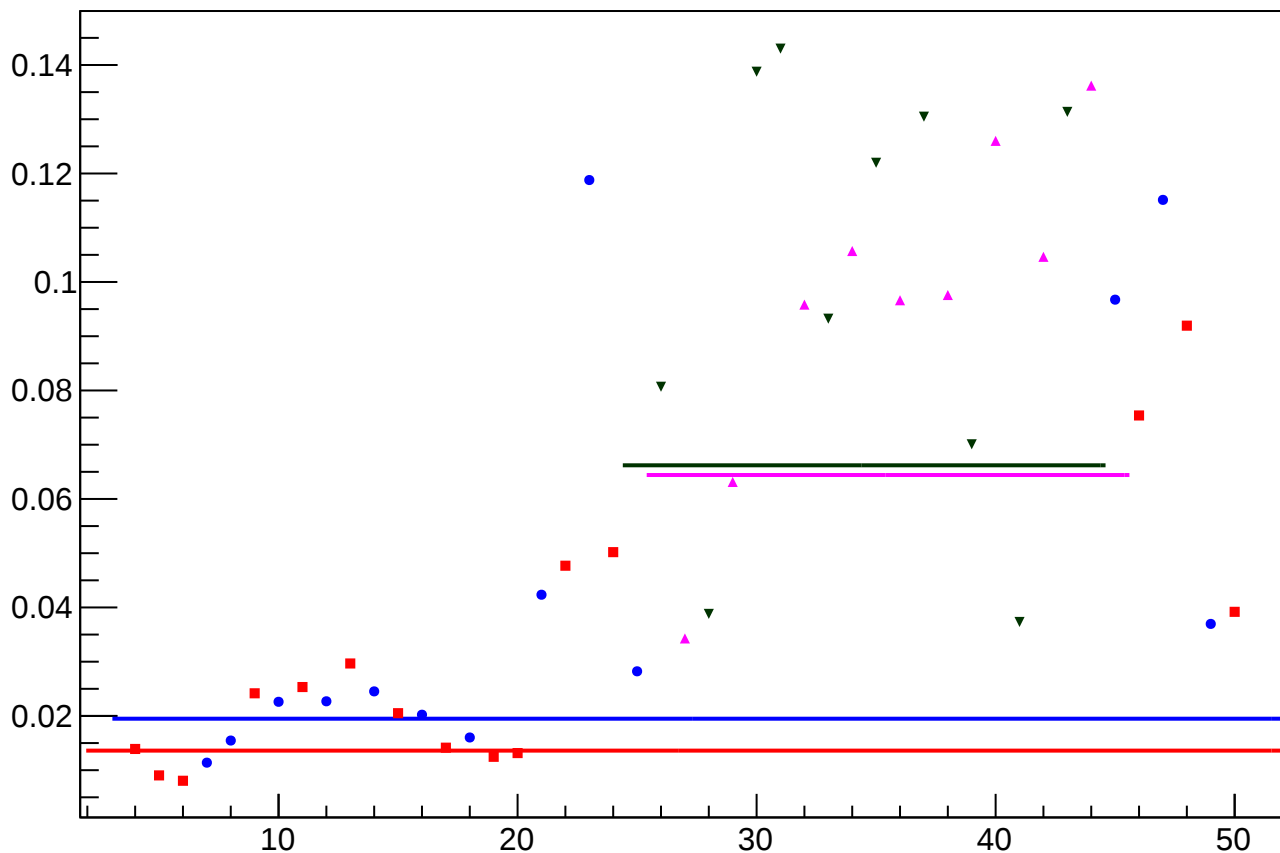
Right Out: -0.313 $\pm$ 0.000 χ^2 /NDF: 9568735892.9/14

Left In: 2.661 $\pm$ 0.000 χ^2 /NDF:1577506308.7/8

0.250 $\pm$ 0.000 χ^2 /NDF: 12596228186.0/22

-0.203 $\pm$ 0.000 χ^2 /NDF: 18063207793.2/23

yield_bpm1Y_rms vs slug



Right In: 0.019+/-0.000 χ^2/NDF : 2835708.3/12

Left Out: 0.066+/-0.000 χ^2/NDF :1777792.9/9

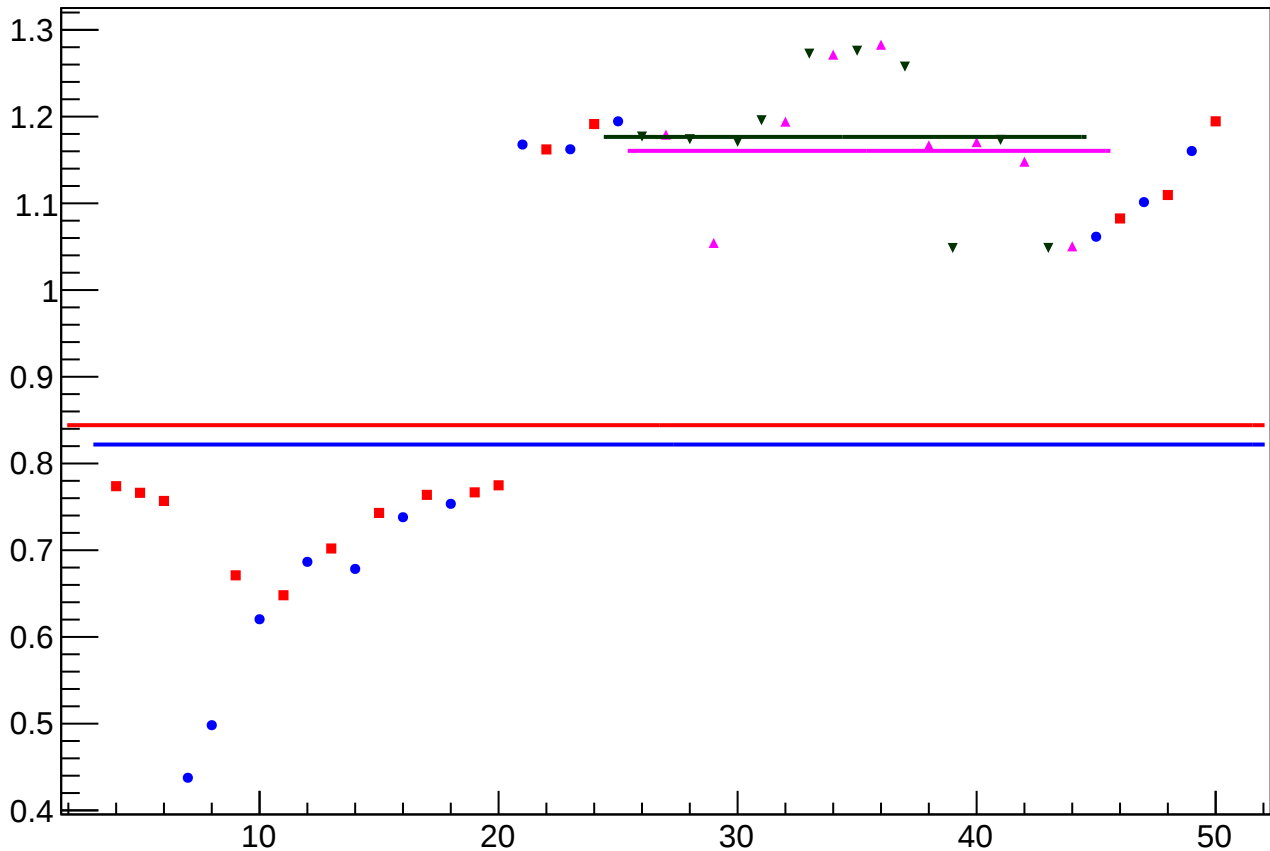
Right Out: 0.014+/-0.000 χ^2/NDF : 3103694.9/14

Left In: 0.064+/-0.000 χ^2/NDF :1800340.3/8

0.022+/-0.000 χ^2/NDF : 7376297.2/22

0.015+/-0.000 χ^2/NDF : 8941084.2/23

yield_bpm11X_mean vs slug



Right In: 0.822+/-0.000 χ^2/NDF : 1197771336.1/12

Left Out: 1.177+/-0.000 χ^2/NDF : 56492661.1/9

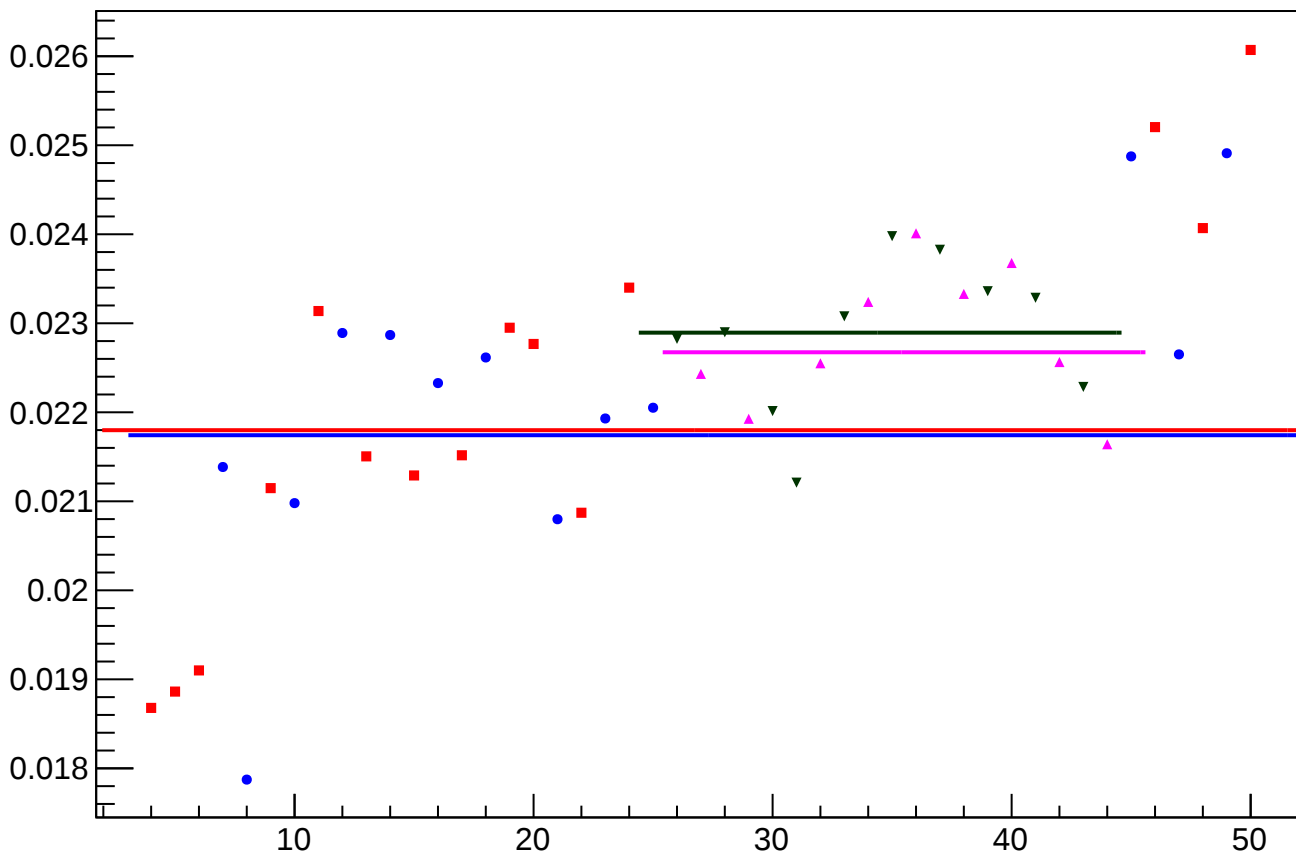
0.951+/-0.000 χ^2/NDF : 2040641409.9/22

Right Out: 0.844+/-0.000 χ^2/NDF : 609853302.8/14

0.971+/-0.000 χ^2/NDF : 1304133477.3/23

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 : 146602.6/12

Left Out: 0.023+/-0.000 χ^2/NDF :11436.5/9

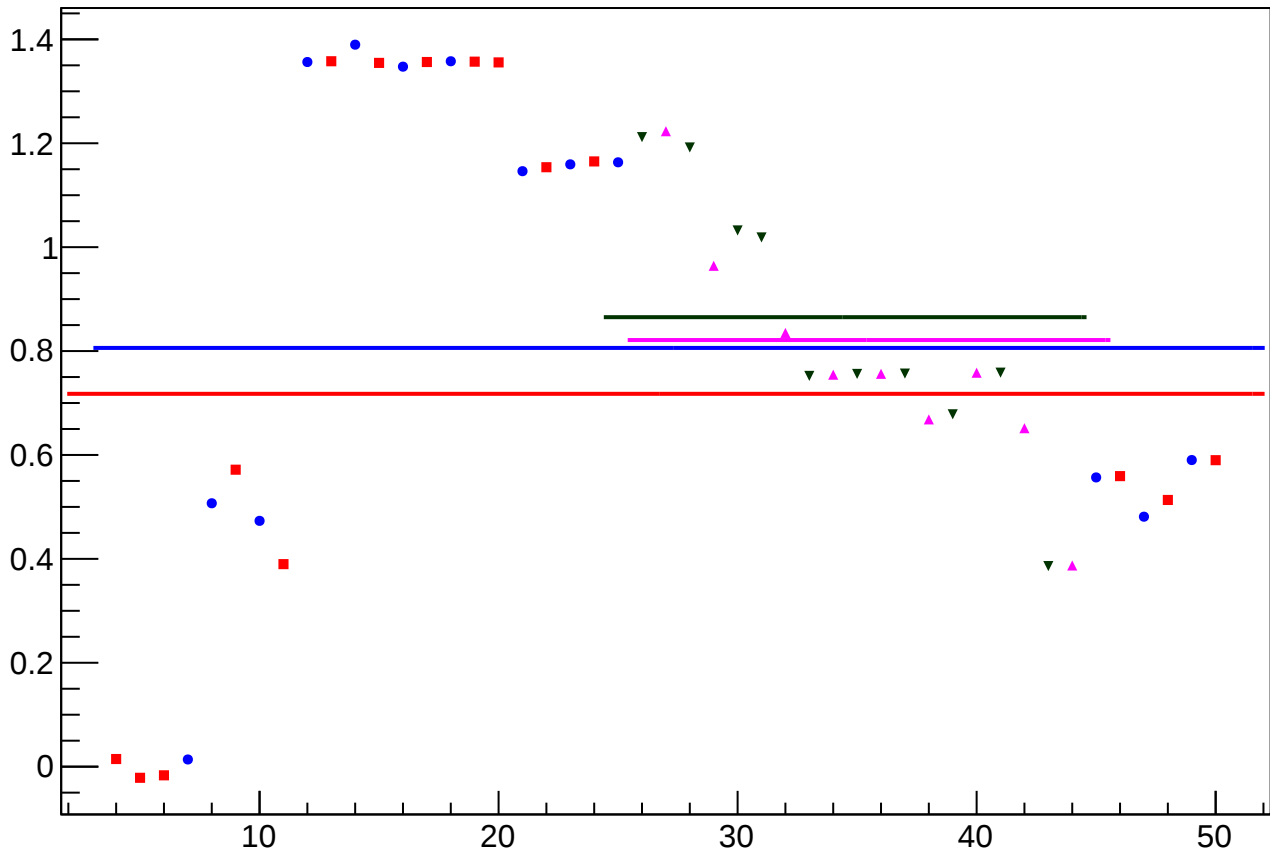
Right Out: 0.022+/-0.000 χ^2/NDF : 117570.0/14

Left In: 0.023+/-0.000 χ^2/NDF :10426.9/8

0.022+/-0.000 χ^2/NDF : 174634.1/22

0.022+/-0.000 χ^2/NDF : 137739.2/23

yield_bpm11Y_mean vs slug



Right In: 0.806+/-0.000 χ^2/NDF : 112718877726.0/12

Left Out: 0.865+/-0.000 χ^2/NDF : 19769026573.0/9

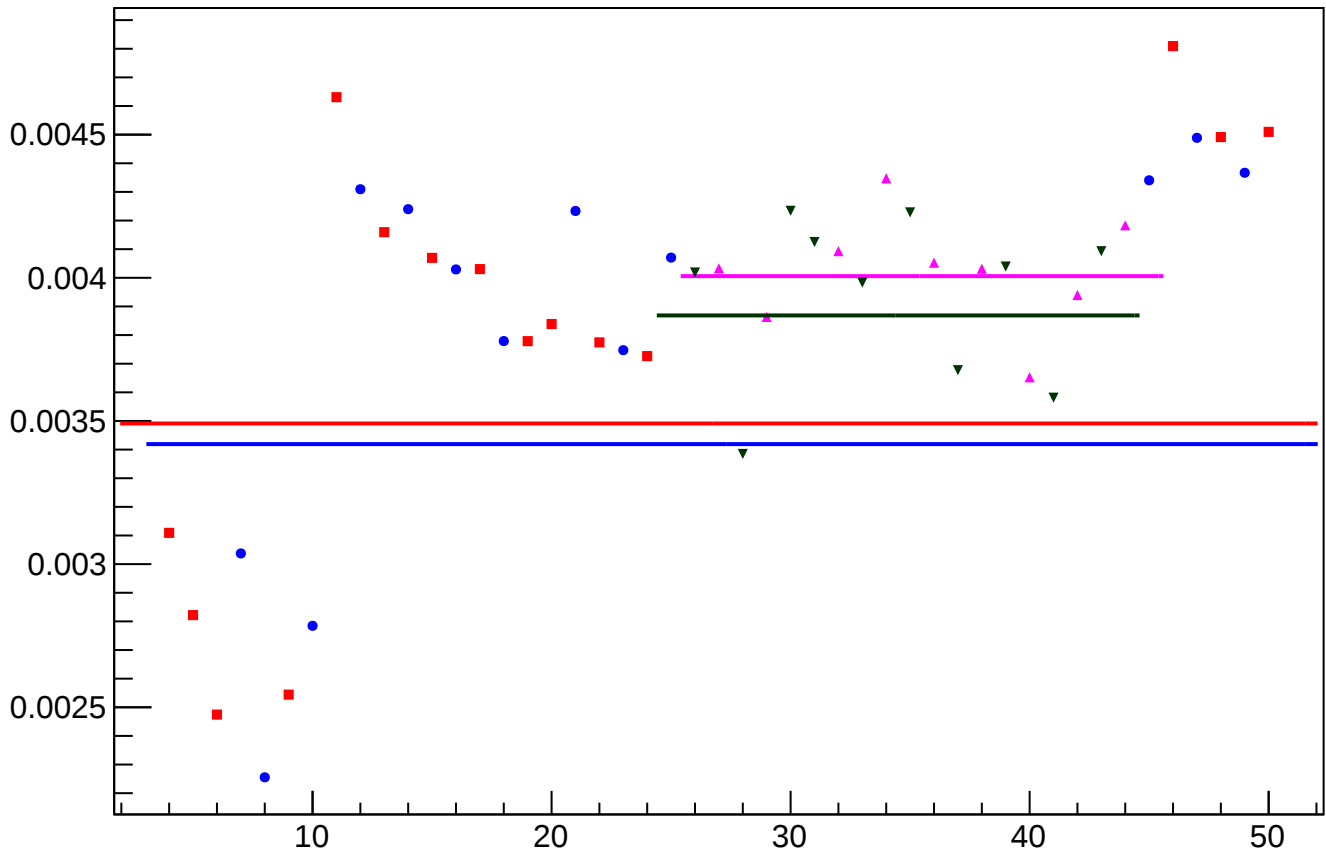
0.826+/-0.000 χ^2/NDF : 133265786844.3/22

Right Out: 0.718+/-0.000 χ^2/NDF : 165310681709.3/14

0.755+/-0.000 χ^2/NDF : 184563914191.7/23

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 : 973966.9/12

Left Out: 0.004+/-0.000 χ^2/NDF : 59617.0/9

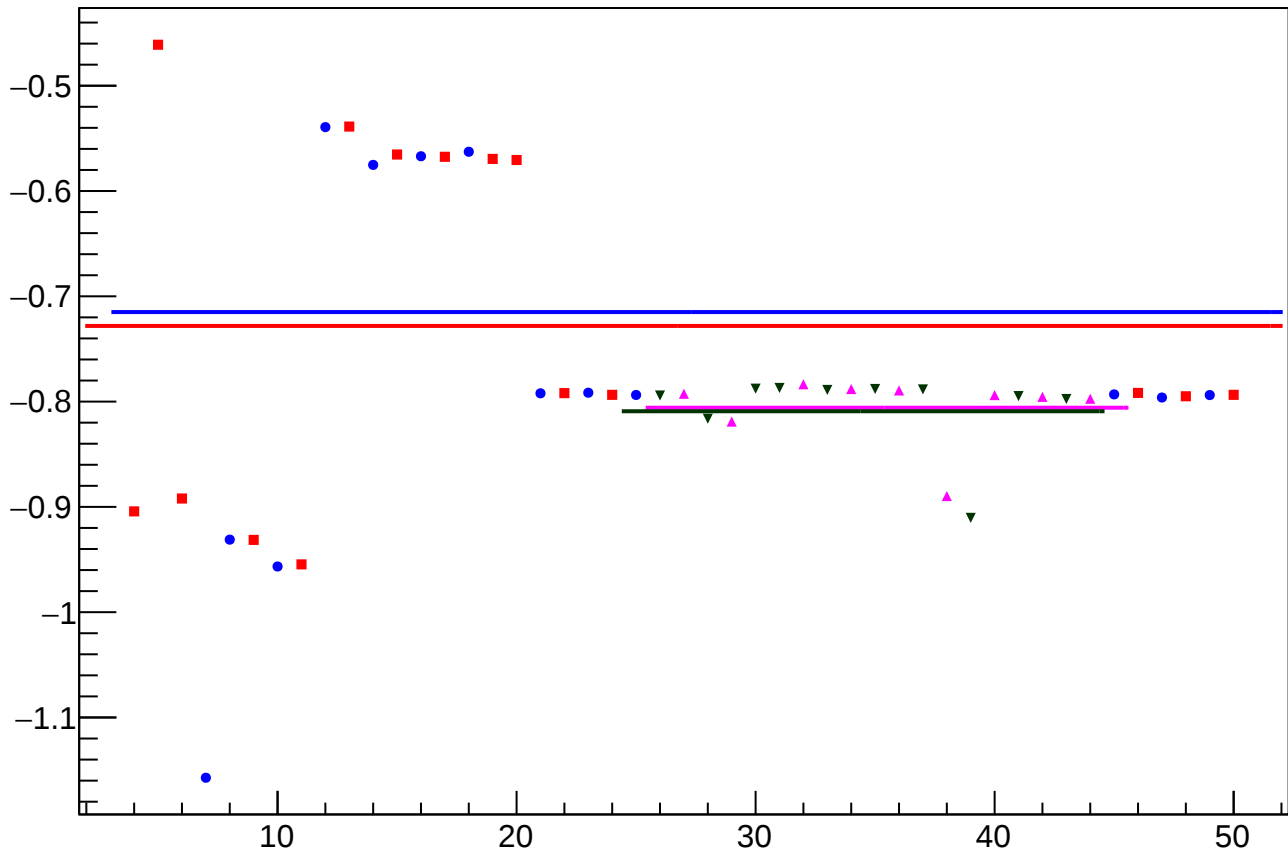
Right Out: 0.003+/-0.000 χ^2/NDF : 768231.7/14

Left In: 0.004+/-0.000 χ^2/NDF : 20484.3/8

0.004+/-0.000 χ^2/NDF : 1123297.1/22

0.004+/-0.000 χ^2/NDF : 903415.9/23

yield_bpm12X_mean vs slug



Right In: -0.715+/-0.000 χ^2/NDF : 2137289560.6/12

Left Out: -0.809+/-0.000 χ^2/NDF : 119027161.1/9

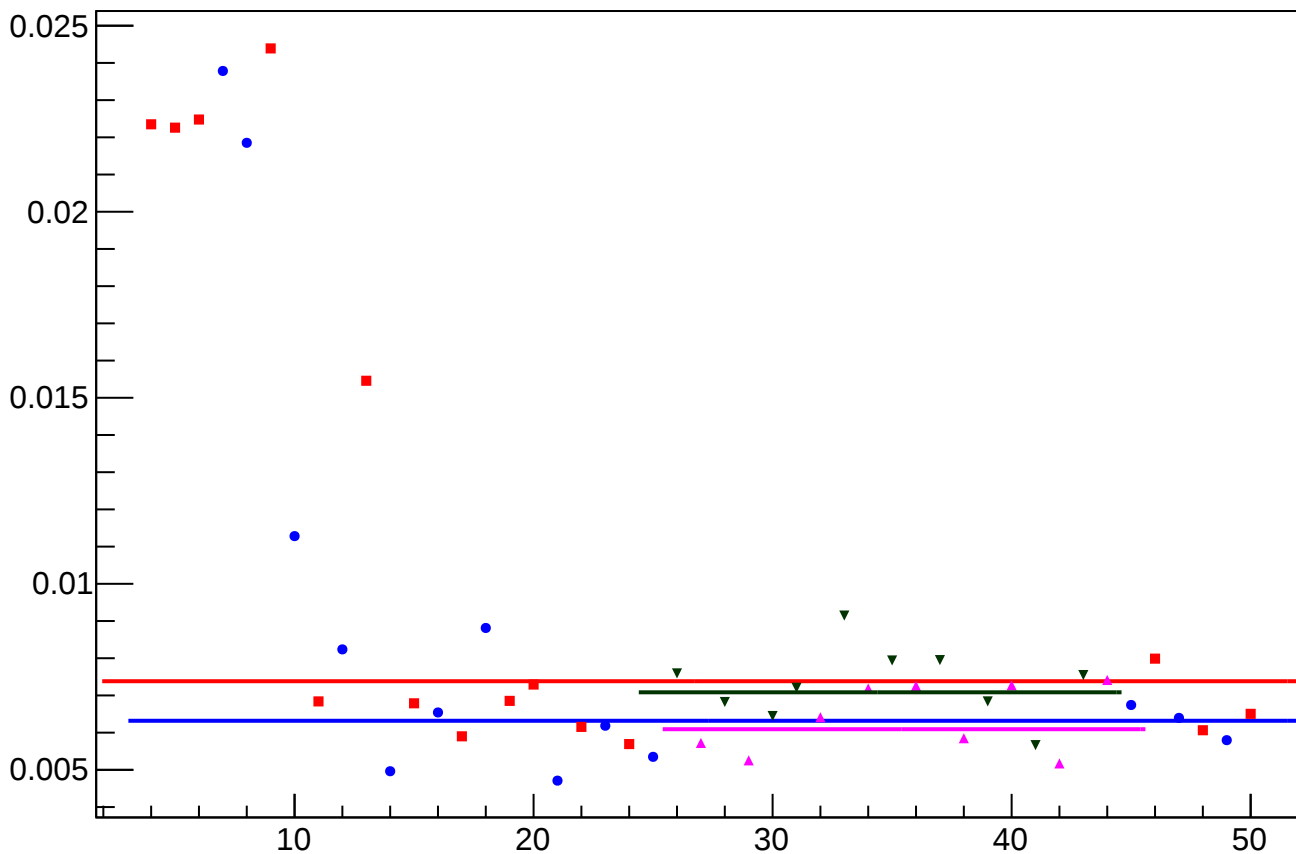
-0.749+/-0.000 χ^2/NDF : 2703642366.7/22

Right Out: -0.728+/-0.000 χ^2/NDF : 1847788435.0/14

-0.769+/-0.000 χ^2/NDF : 2250097810.3/23

Left In: -0.806+/-0.000 χ^2/NDF : 95429738.5/8

yield_bpm12X_rms vs slug



Right In: 0.006 ± 0.000 χ^2/NDF : 1846182.4/12

Left Out: 0.007 ± 0.000 χ^2/NDF : 128168.7/9

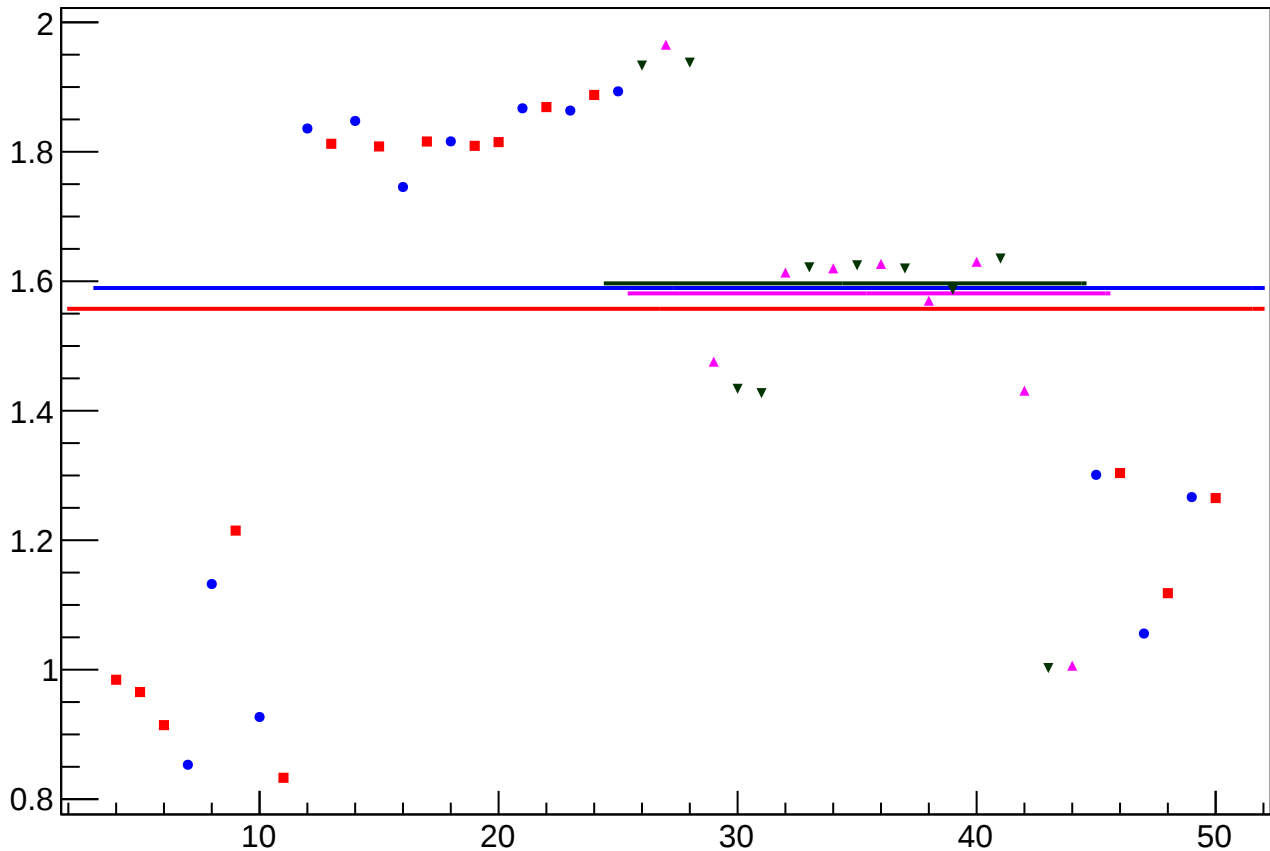
Right Out: 0.007 ± 0.000 χ^2/NDF : 2350302.6/14

Left In: 0.006 ± 0.000 χ^2/NDF : 142266.3/8

0.007 ± 0.000 χ^2/NDF : 2033352.8/22

0.007 ± 0.000 χ^2/NDF : 2661804.8/23

yield_bpm12Y_mean vs slug



Right In: 1.590 $\pm$ 0.000 χ^2/NDF : 18934108578.5/12

Left Out: 1.597 $\pm$ 0.000 χ^2/NDF : 6672070685.1/9

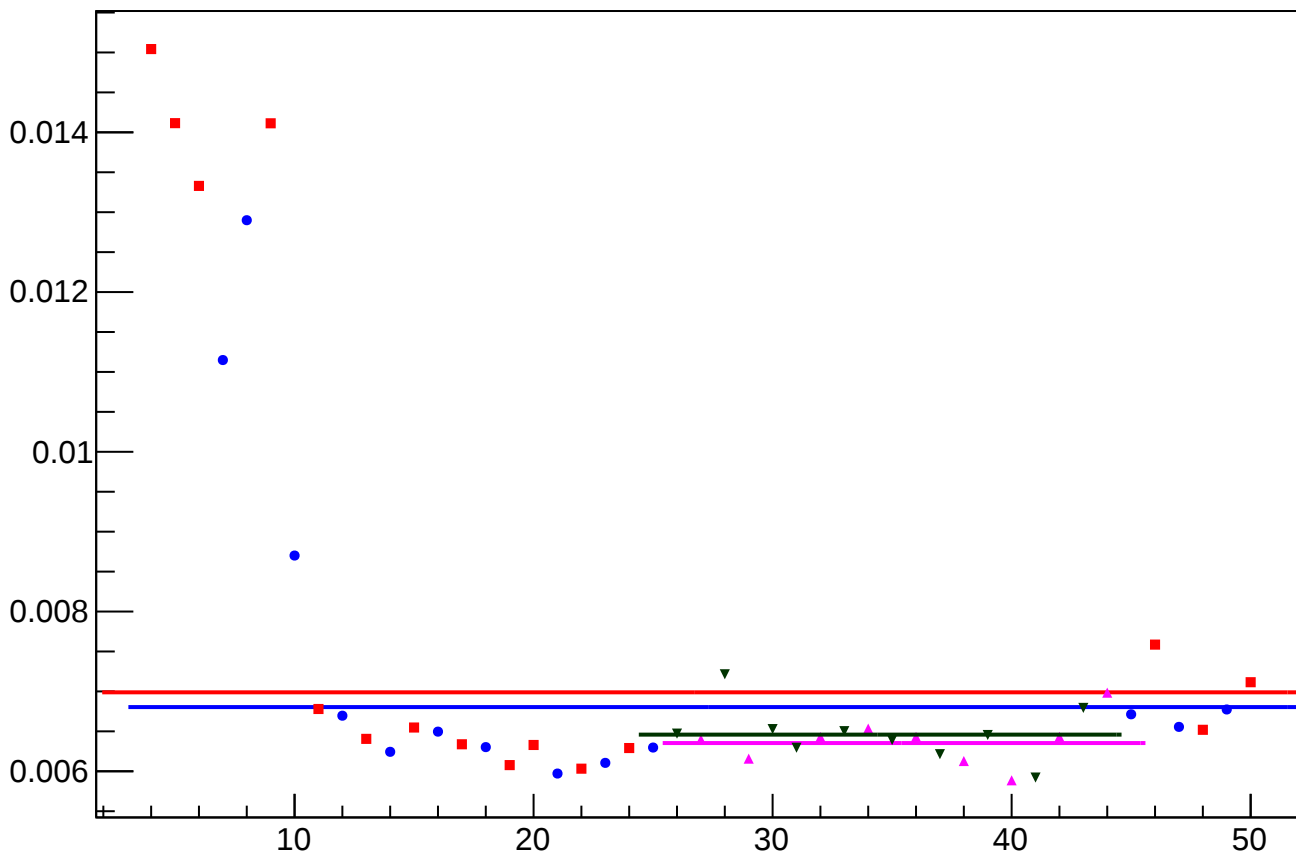
1.593 $\pm$ 0.000 χ^2/NDF : 25609656356.2/22

Right Out: 1.557 $\pm$ 0.000 χ^2/NDF : 19899807818.7/14

1.569 $\pm$ 0.000 χ^2/NDF : 26694442091.1/23

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 : 602883.5/12

Left Out: 0.006+/-0.000 χ^2/NDF :26704.2/9

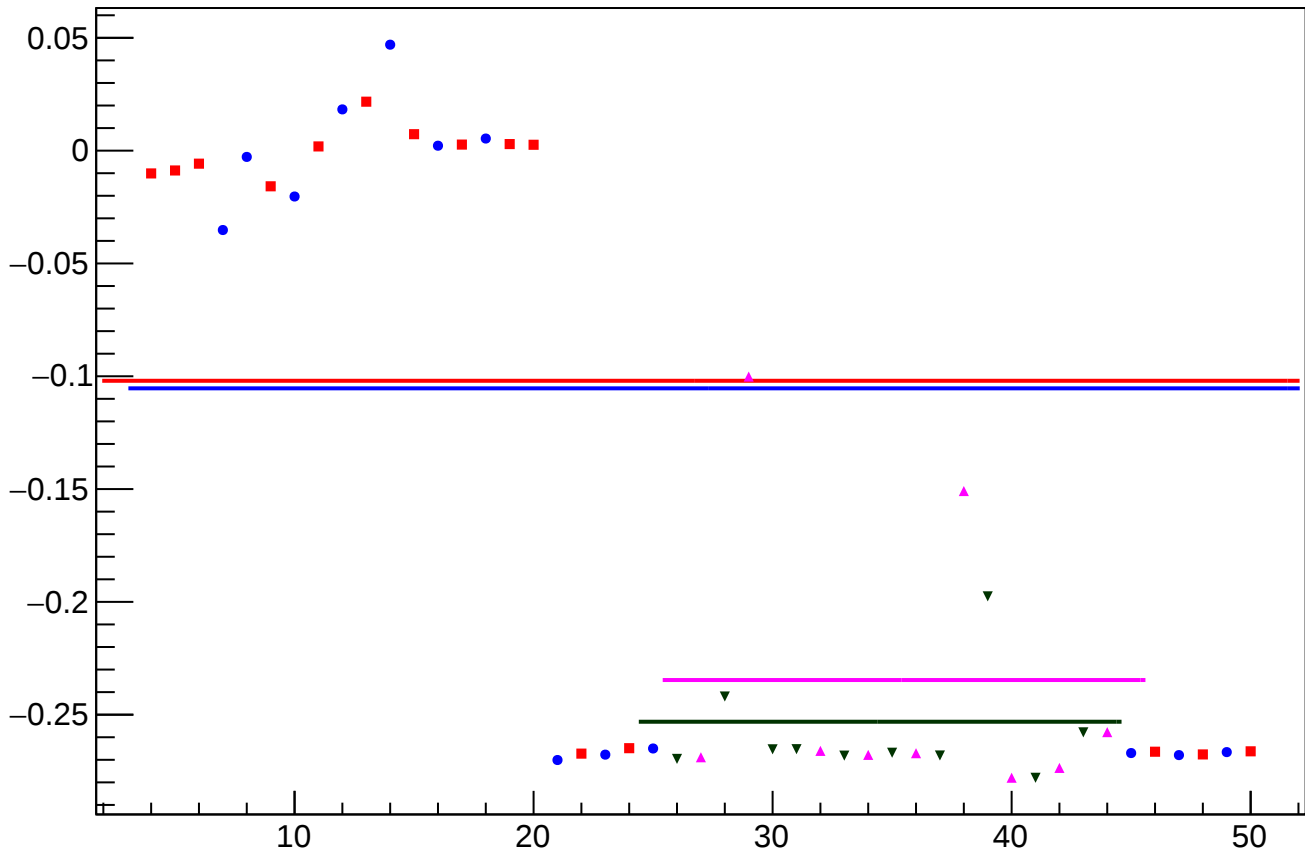
Right Out: 0.007+/-0.000 χ^2/NDF : 983667.9/14

Left In: 0.006+/-0.000 χ^2/NDF :17689.1/8

0.007+/-0.000 χ^2/NDF : 645742.6/22

0.007+/-0.000 χ^2/NDF : 1054915.4/23

yield_bpm16X_mean vs slug



Right In: -0.105+/-0.000 χ^2/NDF : 5690800057.9/12

Left Out: -0.253+/-0.000 χ^2/NDF : 114103318.3/9

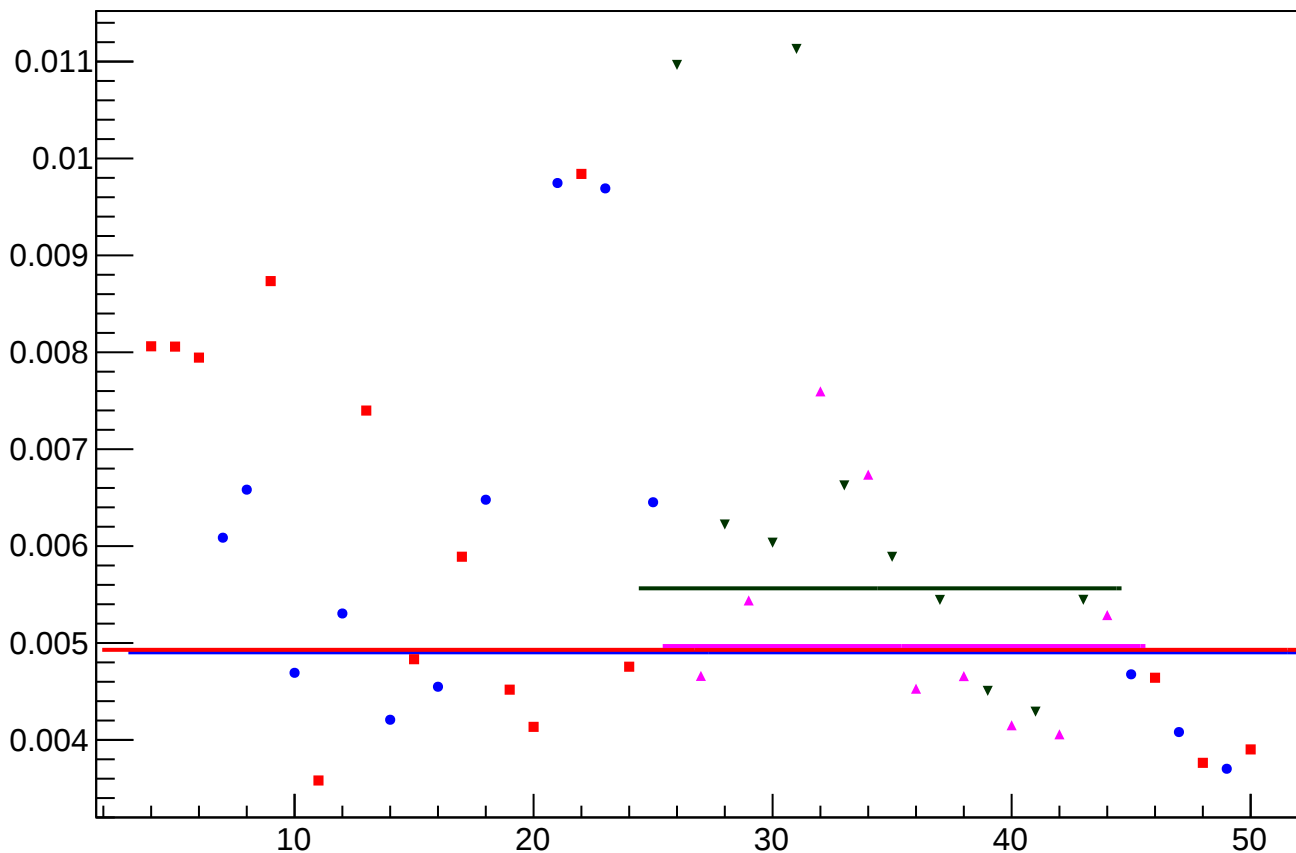
Right Out: -0.102+/-0.000 χ^2/NDF : 4652000619.1/14

Left In: -0.235+/-0.000 χ^2/NDF : 787599053.3/8

-0.154+/-0.000 χ^2/NDF : 7923073014.7/22

-0.158+/-0.000 χ^2/NDF : 7428172083.6/23

yield_bpm16X_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 1095553.6/12

Left Out: 0.006+/-0.000 χ^2/NDF : 608011.7/9

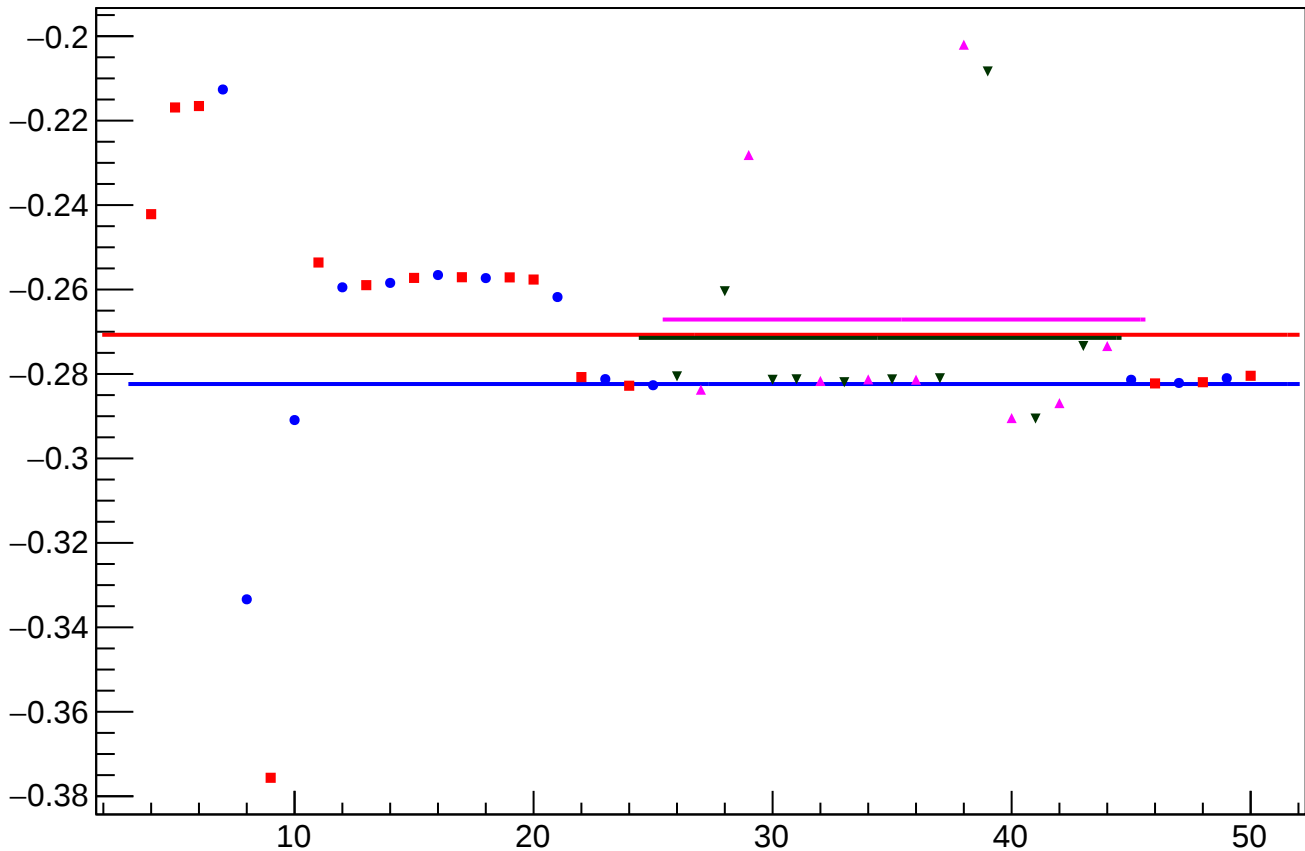
Right Out: 0.005+/-0.000 χ^2/NDF : 1404677.7/14

Left In: 0.005+/-0.000 χ^2/NDF : 366477.9/8

0.005+/-0.000 χ^2/NDF : 1788173.3/22

0.005+/-0.000 χ^2/NDF : 1771502.0/23

yield_bpm16Y_mean vs slug



Right In: -0.282+/-0.000 χ^2/NDF : 1067308571.5/12

Left Out: -0.271+/-0.000 χ^2/NDF : 349277523.0/9

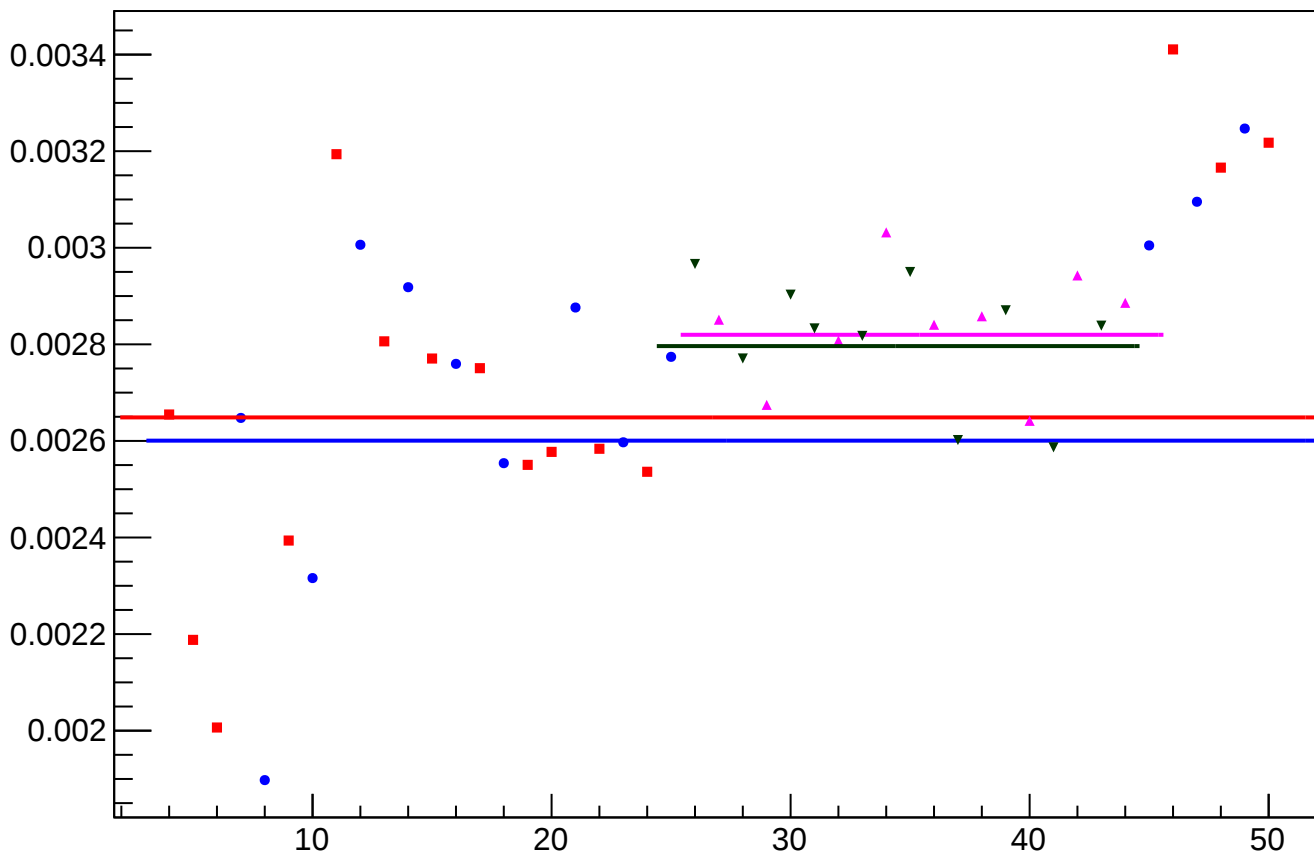
-0.278+/-0.000 χ^2/NDF : 1466927791.5/22

Right Out: -0.271+/-0.000 χ^2/NDF : 1953967142.6/14

-0.269+/-0.000 χ^2/NDF : 2513050843.8/23

Left In: -0.267+/-0.000 χ^2/NDF : 553669253.3/8

yield_bpm16Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 442406.3/12

Left Out: 0.003+/-0.000 χ^2/NDF :22003.3/9

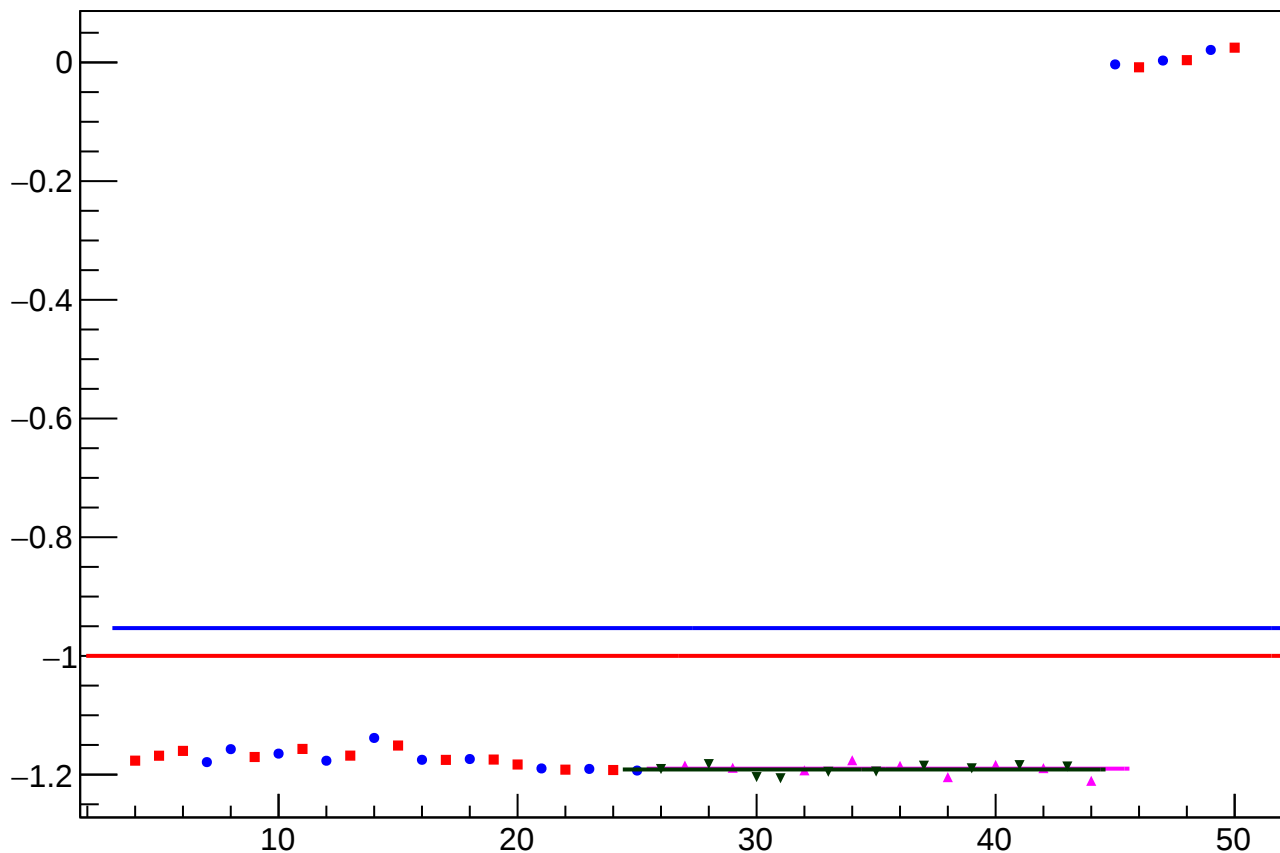
Right Out: 0.003+/-0.000 χ^2/NDF : 294641.1/14

Left In: 0.003+/-0.000 χ^2/NDF :16488.2/8

0.003+/-0.000 χ^2/NDF : 496713.8/22

0.003+/-0.000 χ^2/NDF : 335476.6/23

yield_bpm2i01X_mean vs slug



Right In: -0.953+/-0.000 χ^2/NDF : 32732433961.0/12

Left Out: -1.191+/-0.000 χ^2/NDF : 4812748.3/9

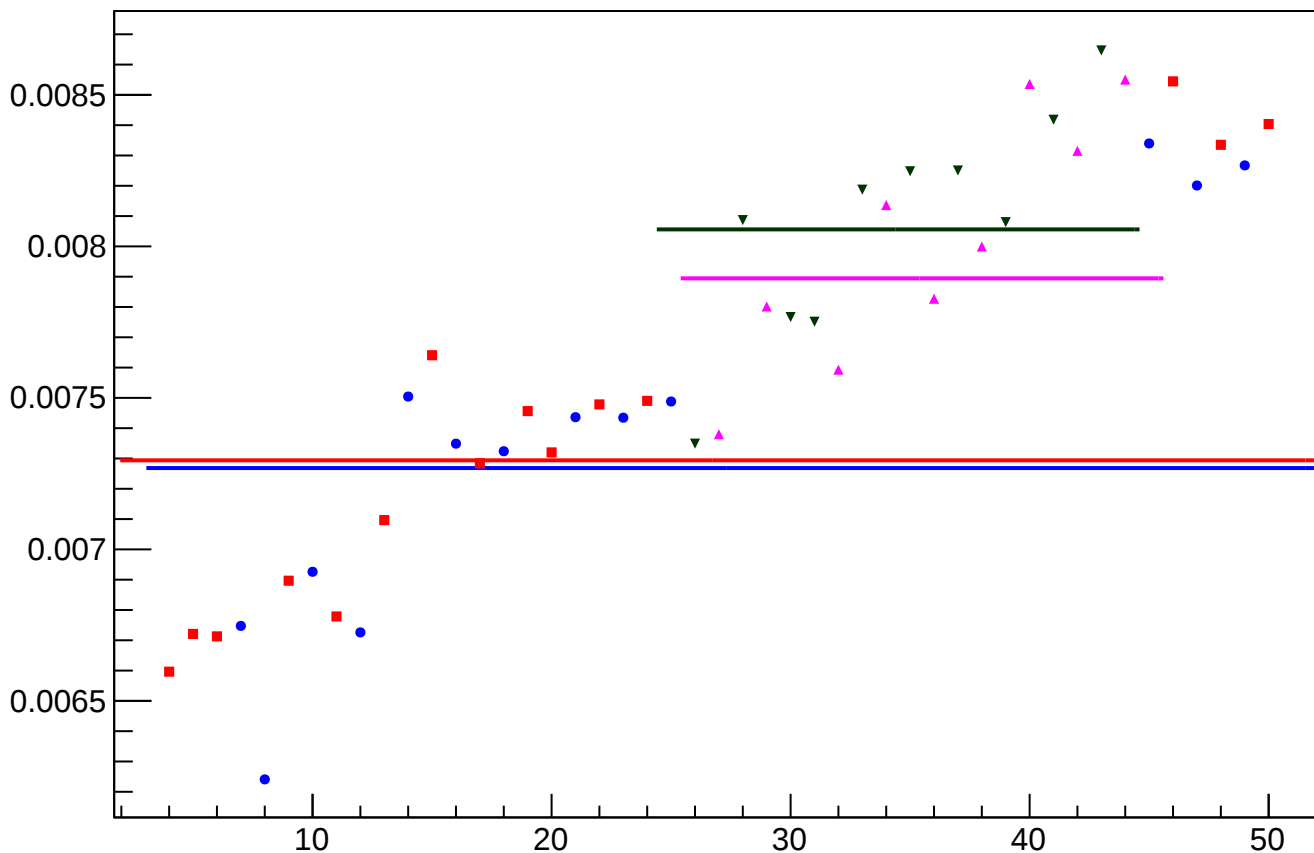
Right Out: -1.000+/-0.000 χ^2/NDF : 25304783087.5/14

Left In: -1.190+/-0.000 χ^2/NDF : 6924812.0/8

-1.034+/-0.000 χ^2/NDF : 35770475799.3/22

-1.071+/-0.000 χ^2/NDF : 27307410805.4/23

yield_bpm2i01X_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 125904.7/12

Left Out: 0.008+/-0.000 χ^2/NDF :19479.9/9

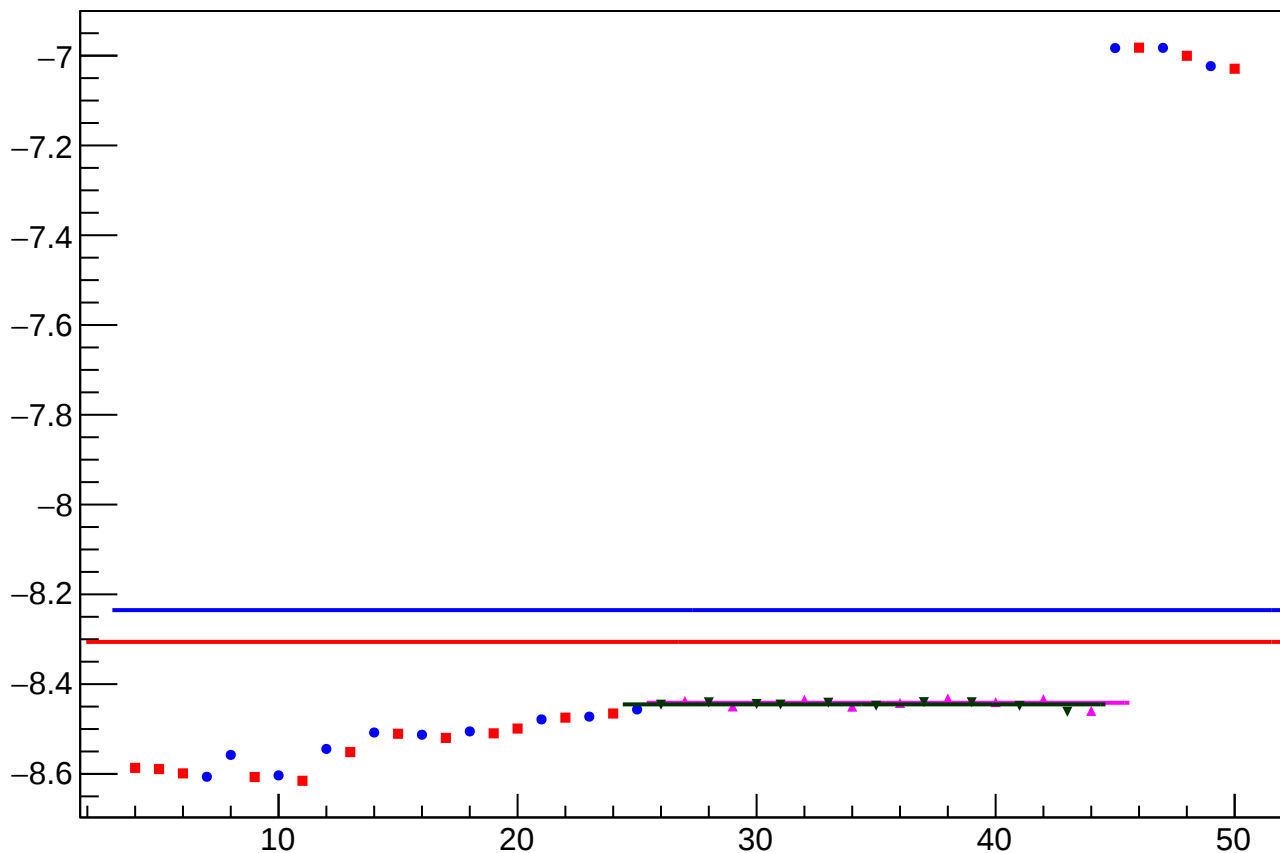
Right Out: 0.007+/-0.000 χ^2/NDF : 92071.7/14

Left In: 0.008+/-0.000 χ^2/NDF :26175.0/8

0.008+/-0.000 χ^2/NDF : 211704.9/22

0.008+/-0.000 χ^2/NDF : 158120.8/23

yield_bpm2i01Y_mean vs slug



Right In: -8.235+/-0.000 χ^2/NDF : 63346459445.8/12

Left Out: -8.445+/-0.000 χ^2/NDF : 3367094.4/9

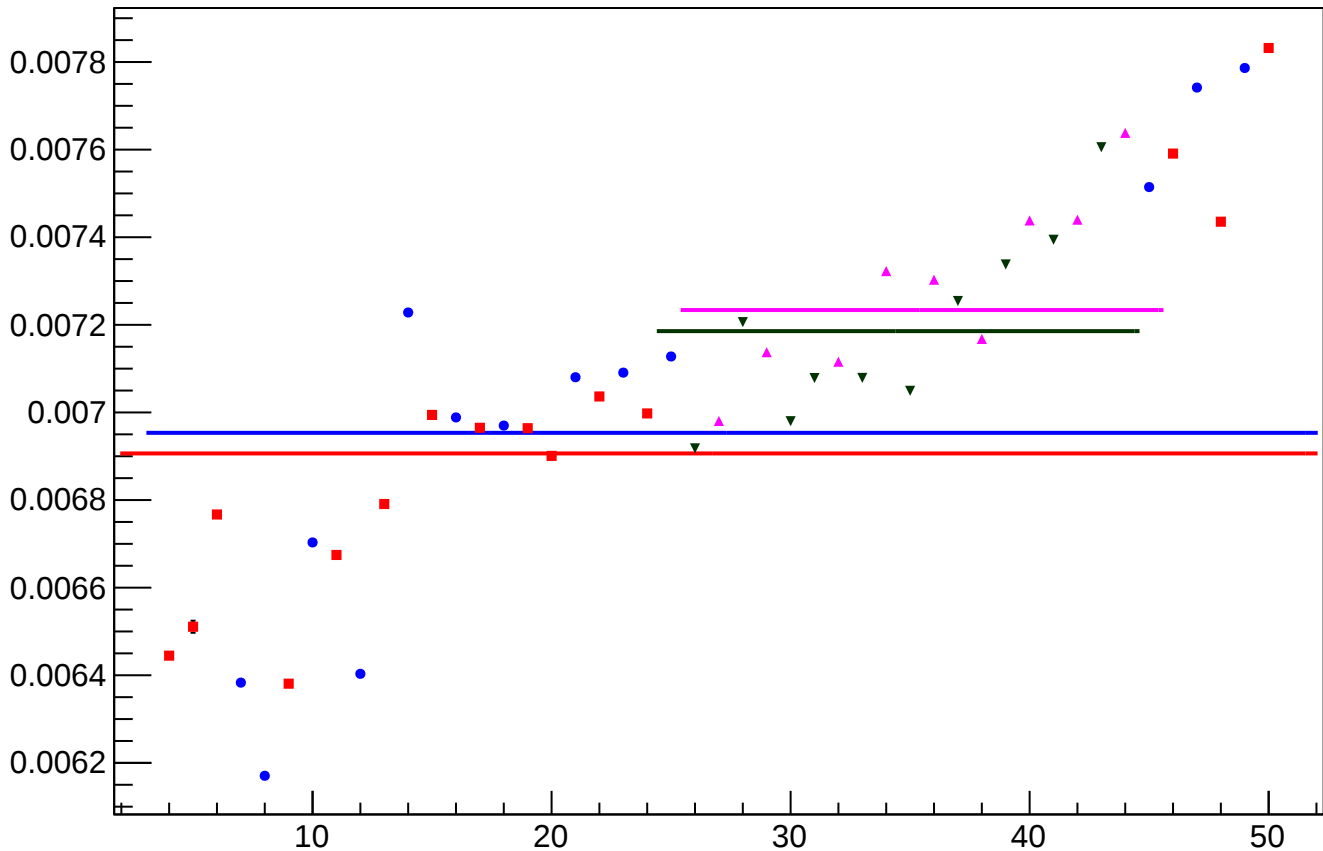
Right Out: -8.306+/-0.000 χ^2/NDF : 52532161727.0/14

Left In: -8.441+/-0.000 χ^2/NDF : 7266938.1/8

-8.314+/-0.000 χ^2/NDF : 66210990298.1/22

-8.360+/-0.000 χ^2/NDF : 53736731991.3/23

yield_bpm2i01Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 85409.2/12

Left Out: 0.007+/-0.000 χ^2/NDF : 7631.6/9

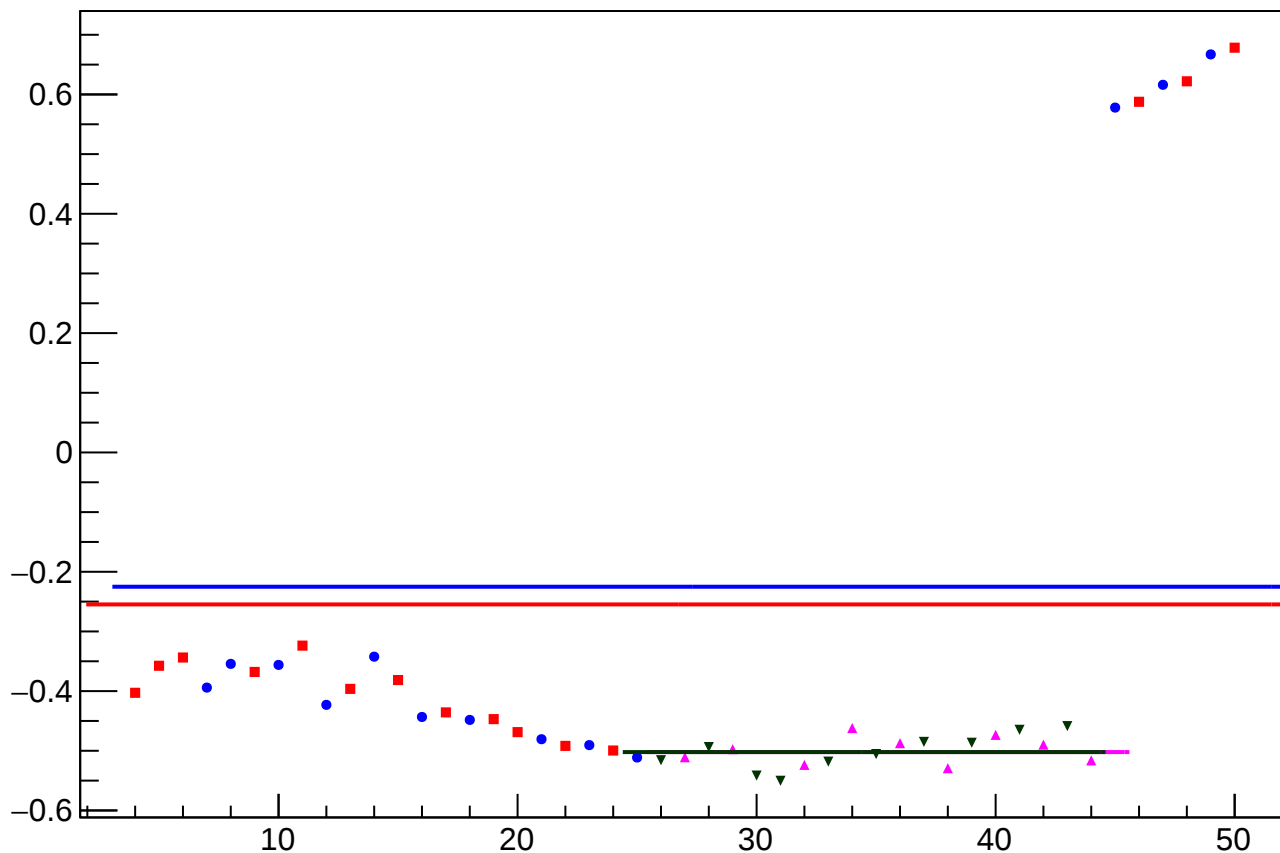
0.007+/-0.000 χ^2/NDF : 100038.1/22

Right Out: 0.007+/-0.000 χ^2/NDF : 46695.1/14

0.007+/-0.000 χ^2/NDF : 68461.3/23

Left In: 0.007+/-0.000 χ^2/NDF : 7802.2/8

yield_bpm2i02X_mean vs slug



Right In: -0.225+/-0.000 χ^2/NDF : 3913211269.1/12

Left Out: -0.502+/-0.000 χ^2/NDF : 9337230.3/9

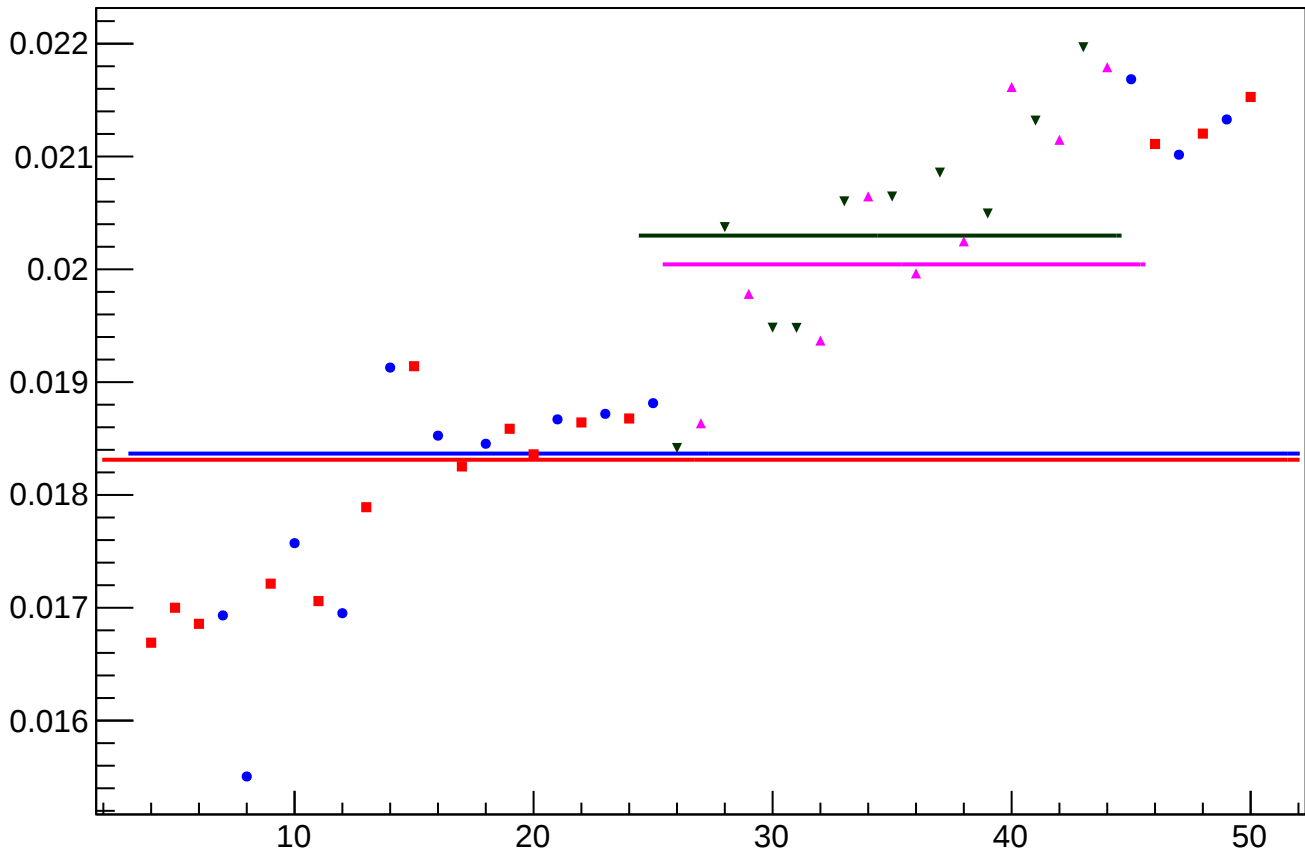
Right Out: -0.255+/-0.000 χ^2/NDF : 3122914734.7/14

Left In: -0.502+/-0.000 χ^2/NDF : 5607835.8/8

-0.320+/-0.000 χ^2/NDF : 4568831037.2/22

-0.347+/-0.000 χ^2/NDF : 3658757000.2/23

yield_bpm2i02X_rms vs slug



Right In: 0.018+/-0.000 χ^2/NDF : 159579.7/12

Left Out: 0.020+/-0.000 χ^2/NDF : 22702.3/9

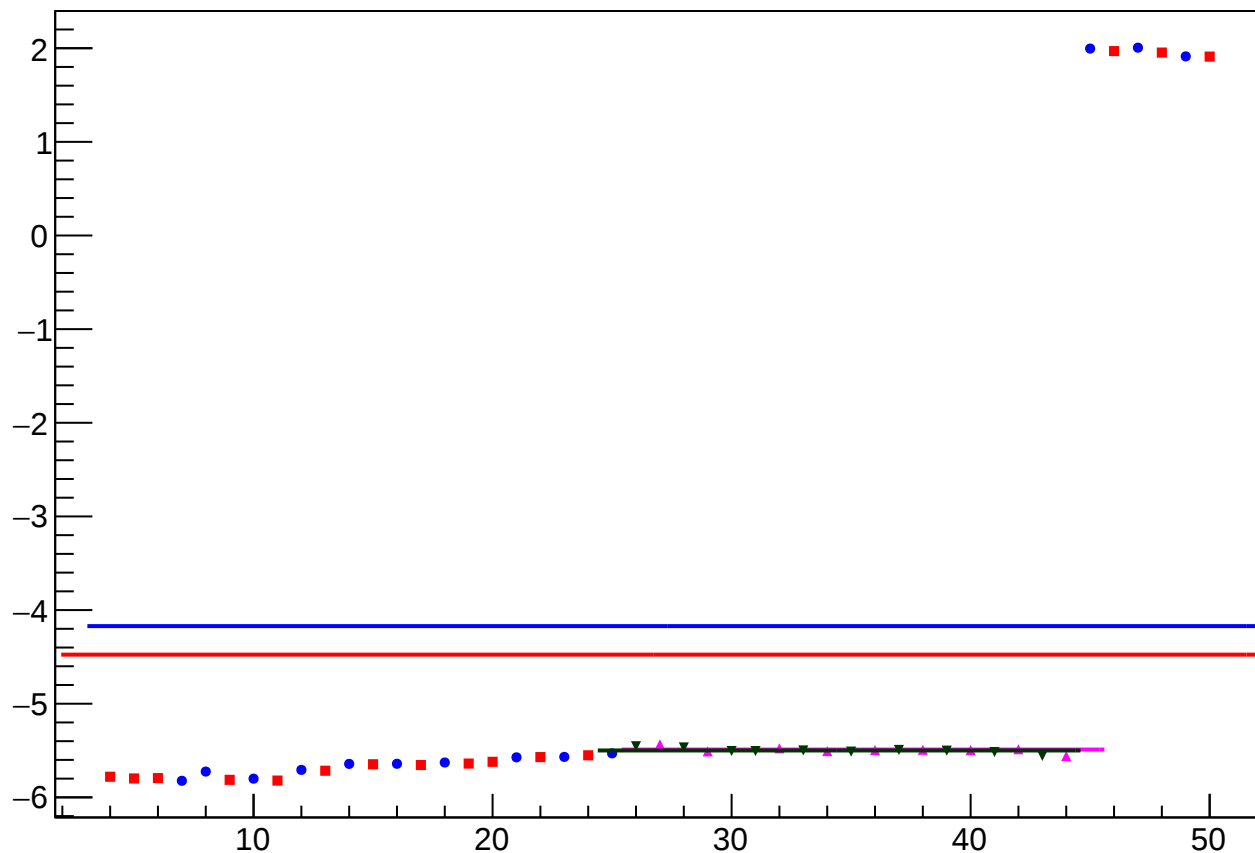
0.019+/-0.000 χ^2/NDF : 245120.4/22

Right Out: 0.018+/-0.000 χ^2/NDF : 93943.7/14

0.019+/-0.000 χ^2/NDF : 173165.3/23

Left In: 0.020+/-0.000 χ^2/NDF : 27295.1/8

yield_bpm2i02Y_mean vs slug



Right In: -4.171+/-0.000 χ^2/NDF : 526100584948.2/12

Left Out: -5.499+/-0.000 χ^2/NDF : 23863148.1/9

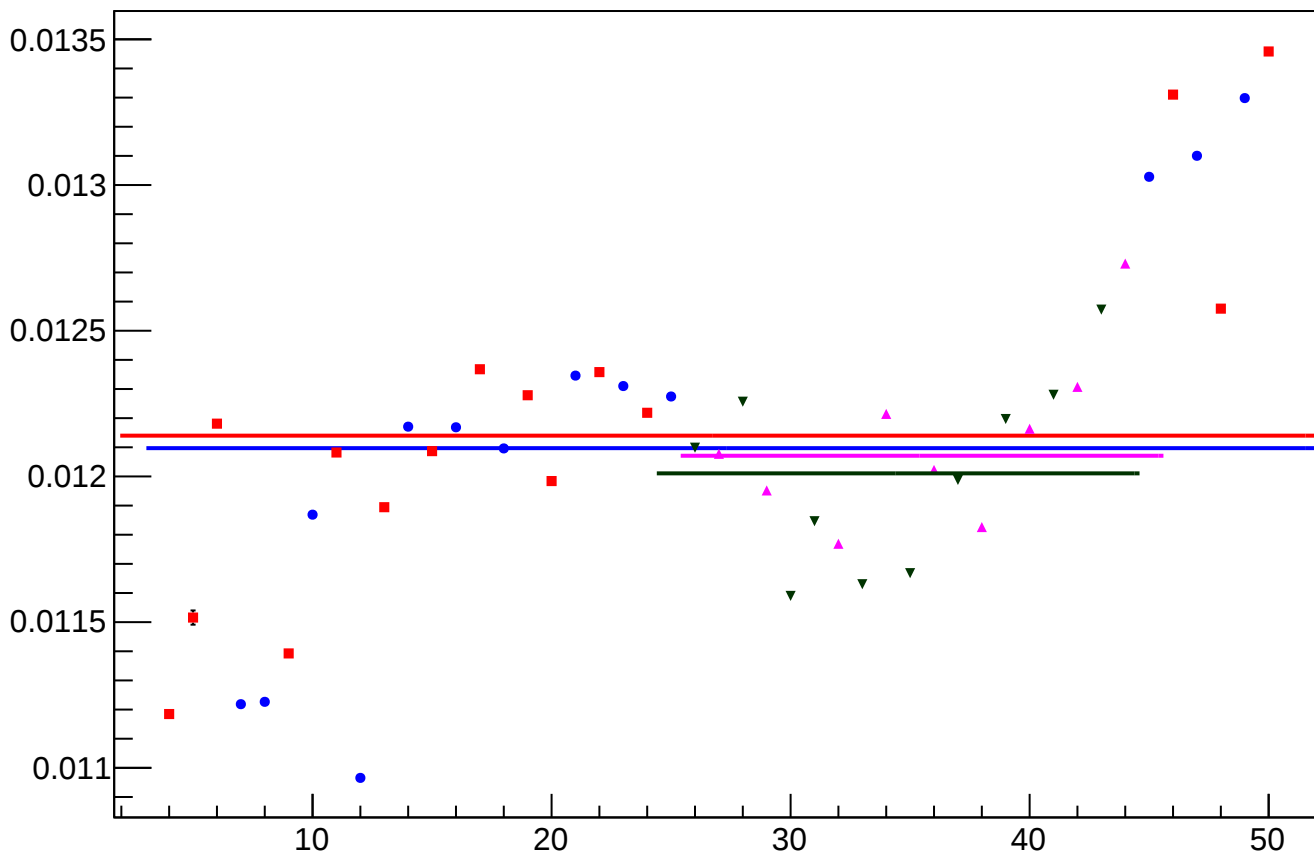
Right Out: -4.476+/-0.000 χ^2/NDF : 418634411083.5/14

Left In: -5.490+/-0.000 χ^2/NDF : 37957034.6/8

-4.694+/-0.000 χ^2/NDF : 565797590725.3/22

-4.904+/-0.000 χ^2/NDF : 441626591209.7/23

yield_bpm2i02Y_rms vs slug



Right In: 0.012 ± 0.000 χ^2/NDF : 54477.5/12

Left Out: 0.012 ± 0.000 χ^2/NDF : 6913.8/9

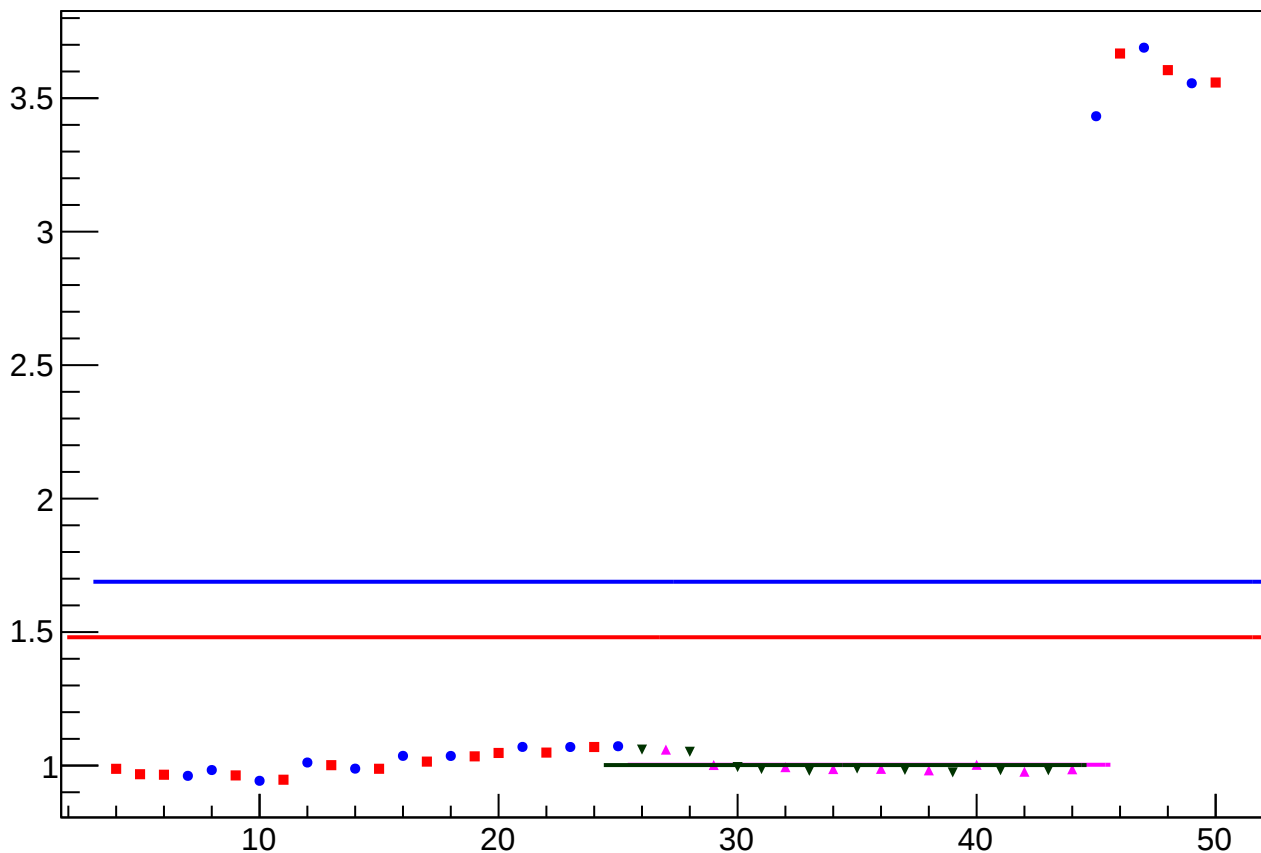
Right Out: 0.012 ± 0.000 χ^2/NDF : 33046.5/14

Left In: 0.012 ± 0.000 χ^2/NDF : 5130.3/8

0.012 ± 0.000 χ^2/NDF : 61728.1/22

0.012 ± 0.000 χ^2/NDF : 38389.1/23

yield_bpm1i04X_mean vs slug



Right In: 1.689+/-0.000 χ^2/NDF : 176866163212.2/12

Left Out: 1.002+/-0.000 χ^2/NDF : 93267140.0/9

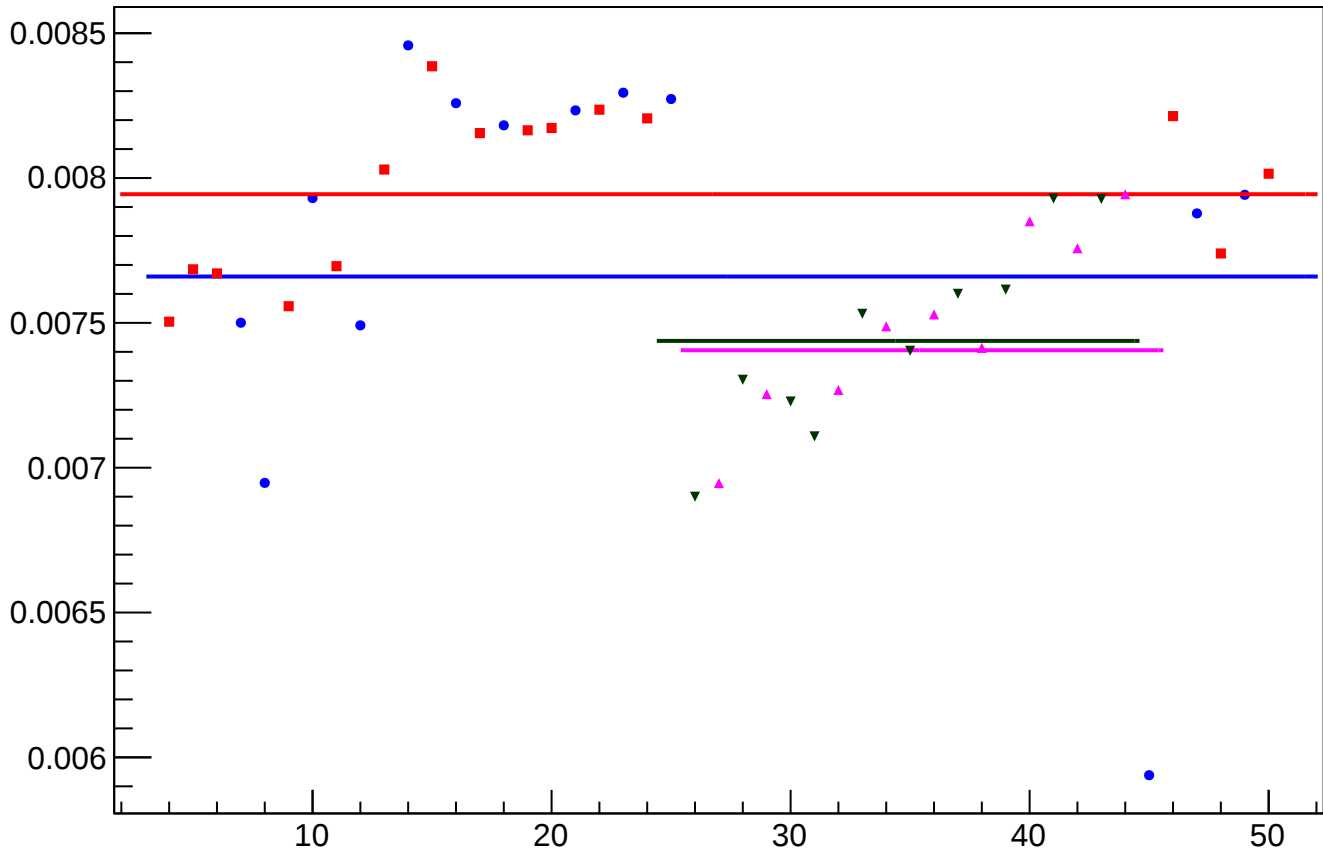
1.411+/-0.000 χ^2/NDF : 203823764179.3/22

Right Out: 1.481+/-0.000 χ^2/NDF : 126780499764.4/14

1.266+/-0.000 χ^2/NDF : 139547971316.2/23

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 : 170159.2/12

Left Out: 0.007+/-0.000 χ^2/NDF :18100.0/9

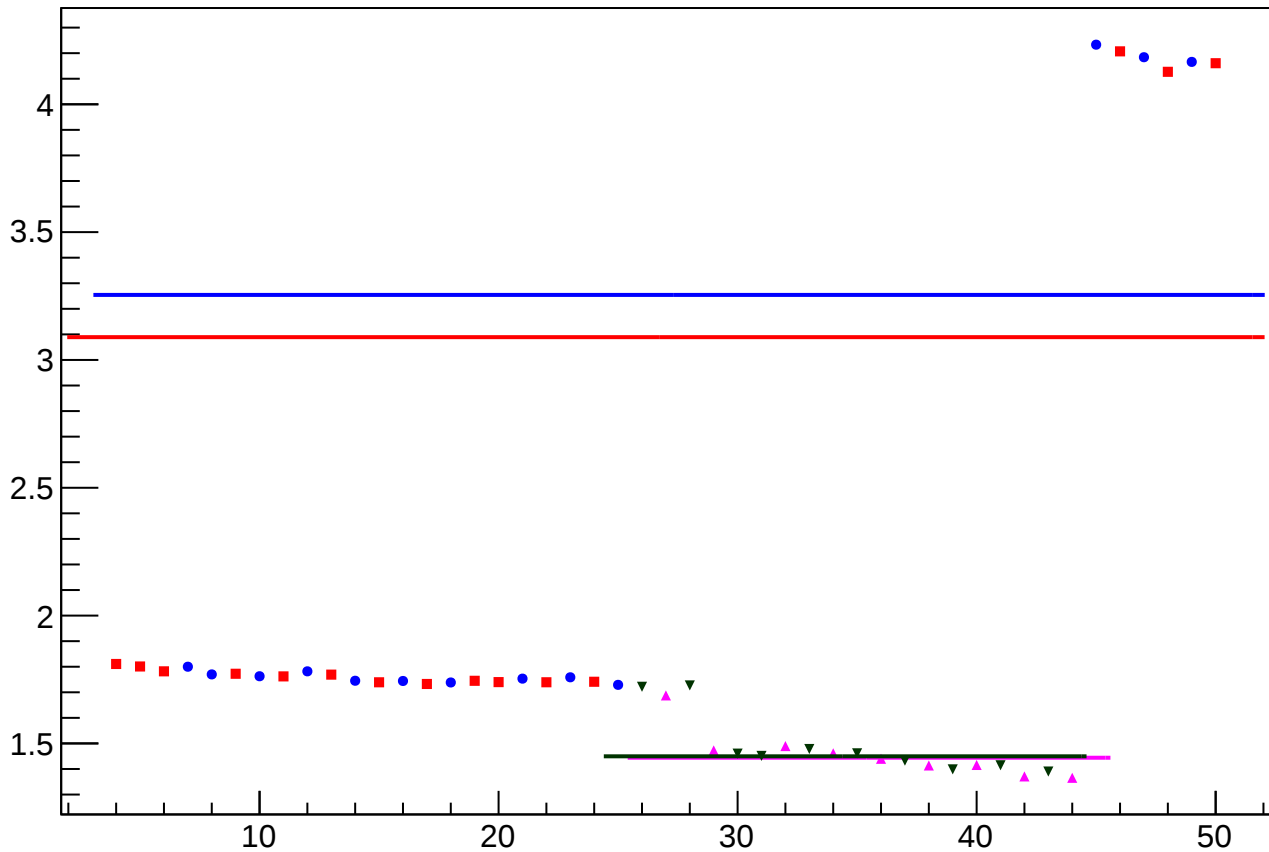
Right Out: 0.008+/-0.000 χ^2/NDF : 19170.5/14

Left In: 0.007+/-0.000 χ^2/NDF :18945.2/8

0.008+/-0.000 χ^2/NDF : 193884.7/22

0.008+/-0.000 χ^2/NDF : 70414.7/23

yield_bpm1i04Y_mean vs slug



Right In: 3.254+/-0.000 χ^2/NDF : 376433218233.7/12

Left Out: 1.450+/-0.000 χ^2/NDF : 719591225.9/9

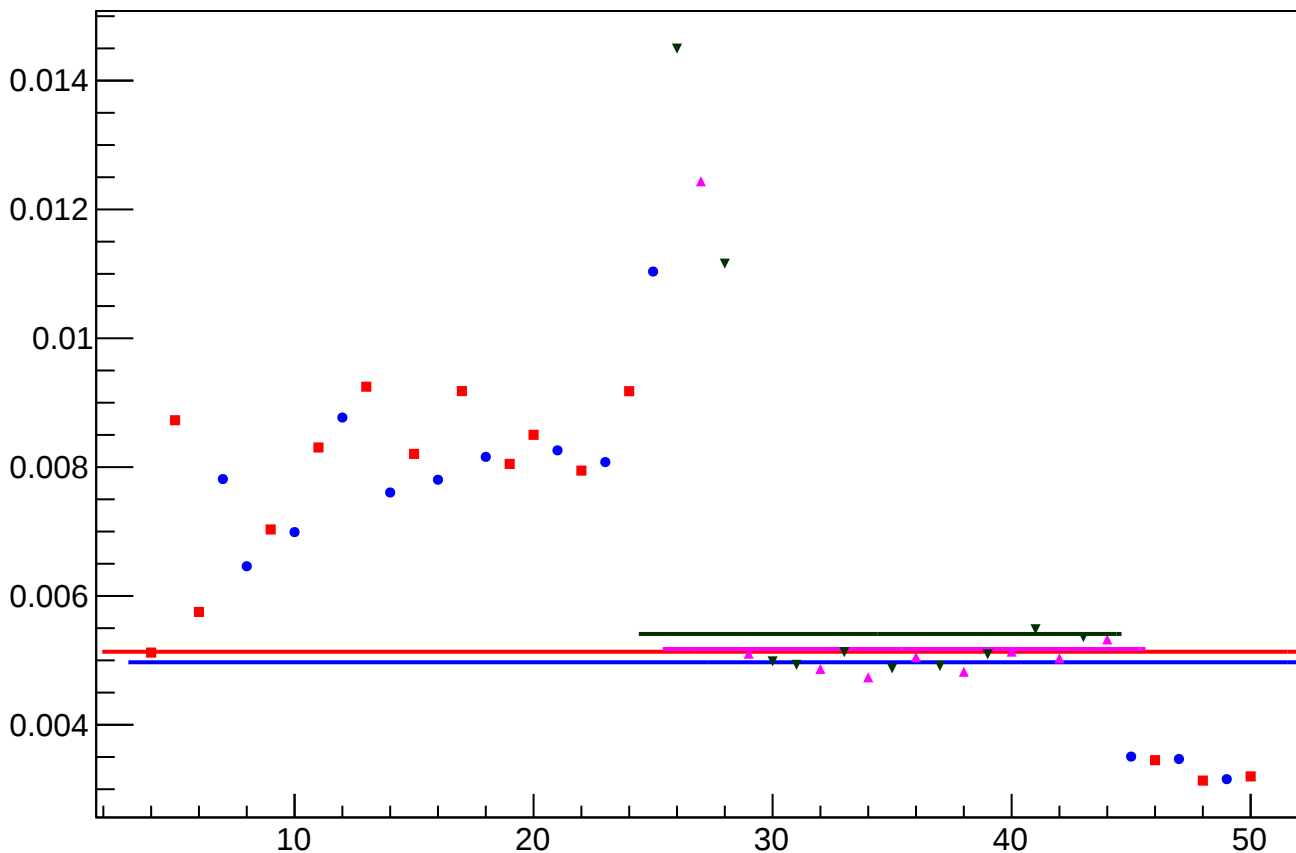
2.583+/-0.000 χ^2/NDF : 703502835628.7/22

Right Out: 3.089+/-0.000 χ^2/NDF : 332132364167.1/14

2.357+/-0.000 χ^2/NDF : 615010410613.3/23

Left In: 1.444+/-0.000 χ^2/NDF : 633323170.8/8

yield_bpm1i04Y_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 2524644.4/12

Left Out: 0.005+/-0.000 χ^2/NDF : 753040.6/9

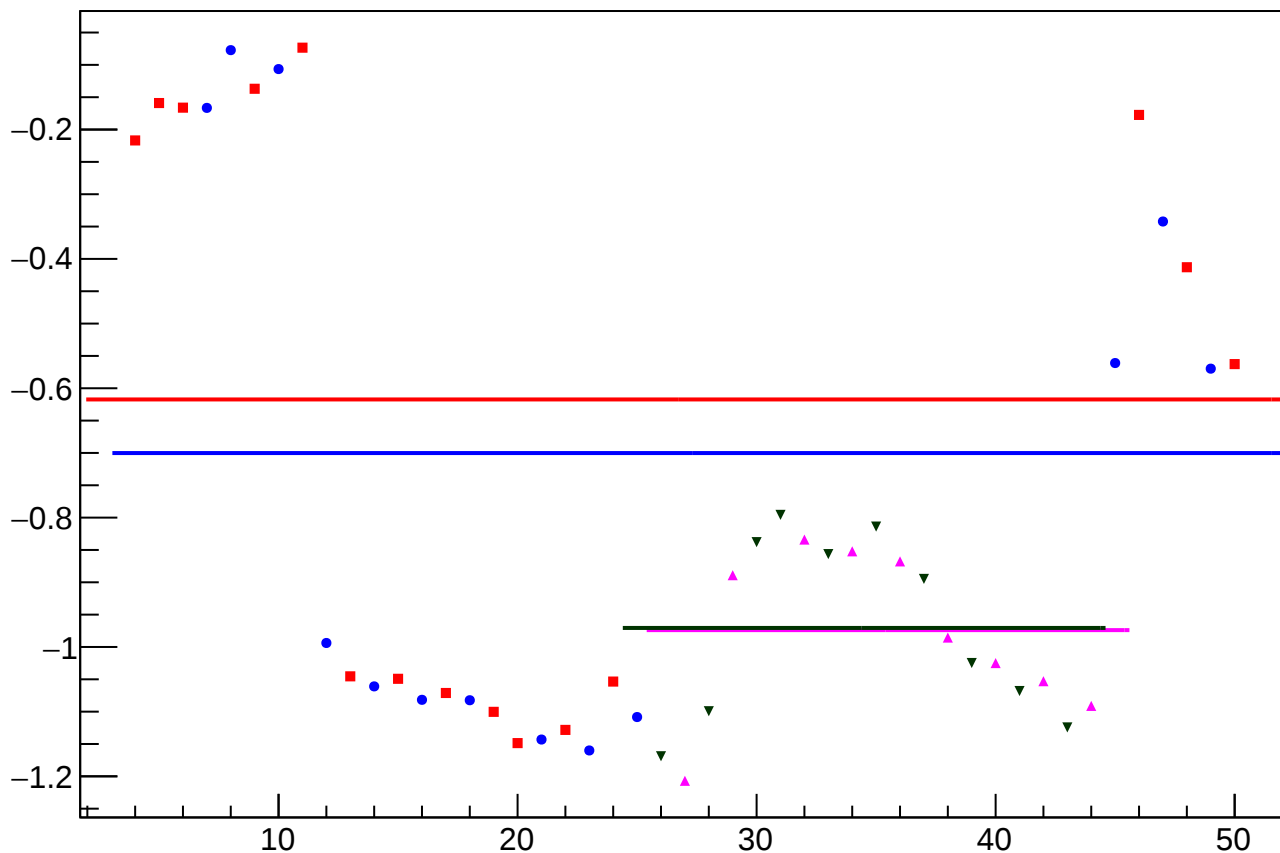
Right Out: 0.005+/-0.000 χ^2/NDF : 2525308.7/14

Left In: 0.005+/-0.000 χ^2/NDF : 514197.3/8

0.005+/-0.000 χ^2/NDF : 3316415.6/22

0.005+/-0.000 χ^2/NDF : 3039880.4/23

yield_bpm0l01X_mean vs slug



Right In: -0.700 ± 0.000 χ^2/NDF : 18593256920.6/12

Left Out: -0.971 ± 0.000 χ^2/NDF : 1156218036.6/9

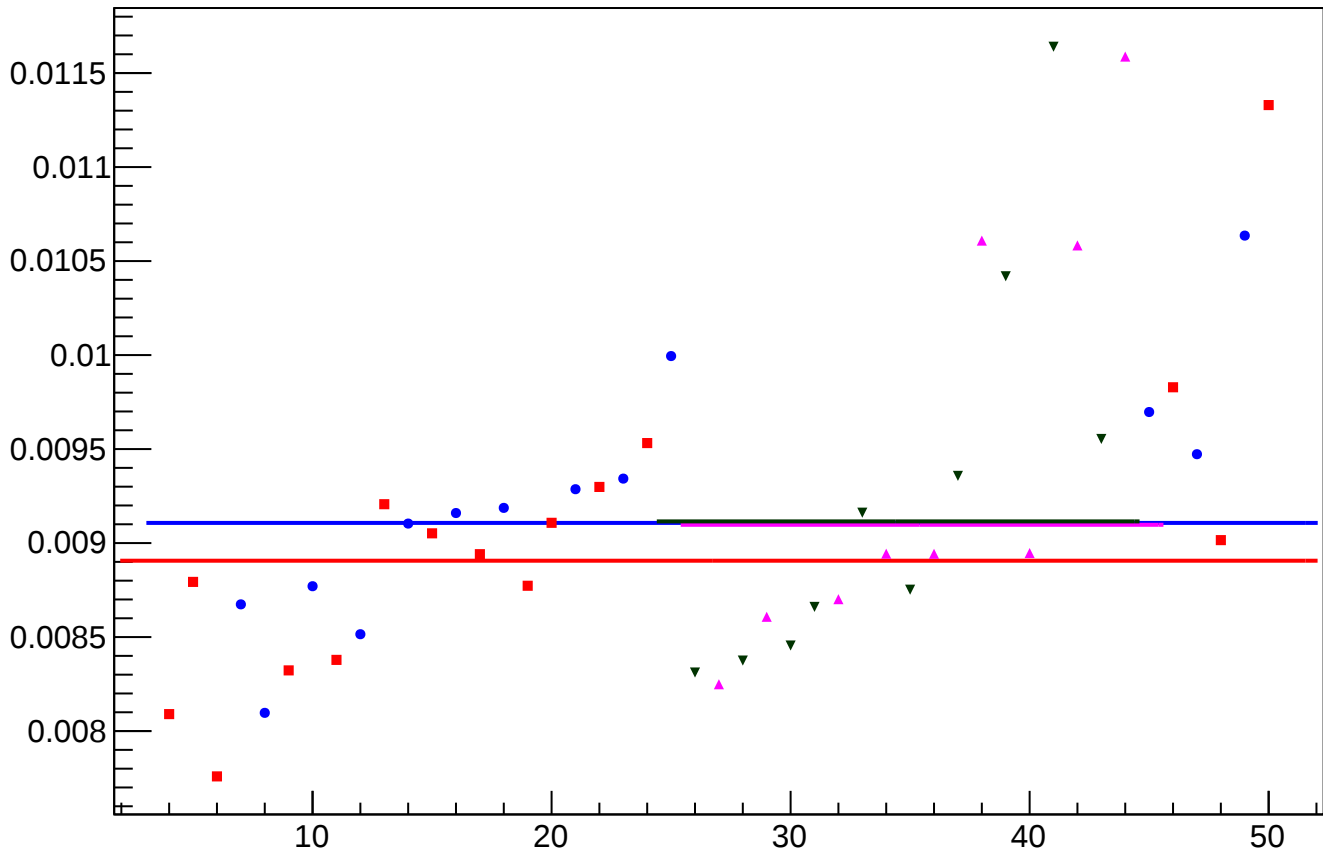
Right Out: -0.617 ± 0.000 χ^2/NDF : 19155858755.1/14

Left In: -0.974 ± 0.000 χ^2/NDF : 1225322966.4/8

-0.804 ± 0.000 χ^2/NDF : 22534126909.1/22

-0.763 ± 0.000 χ^2/NDF : 25376559439.9/23

yield_bpm0l01X_rms vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 82623.1/12

Left Out: 0.009+/-0.000 χ^2/NDF :104201.5/9

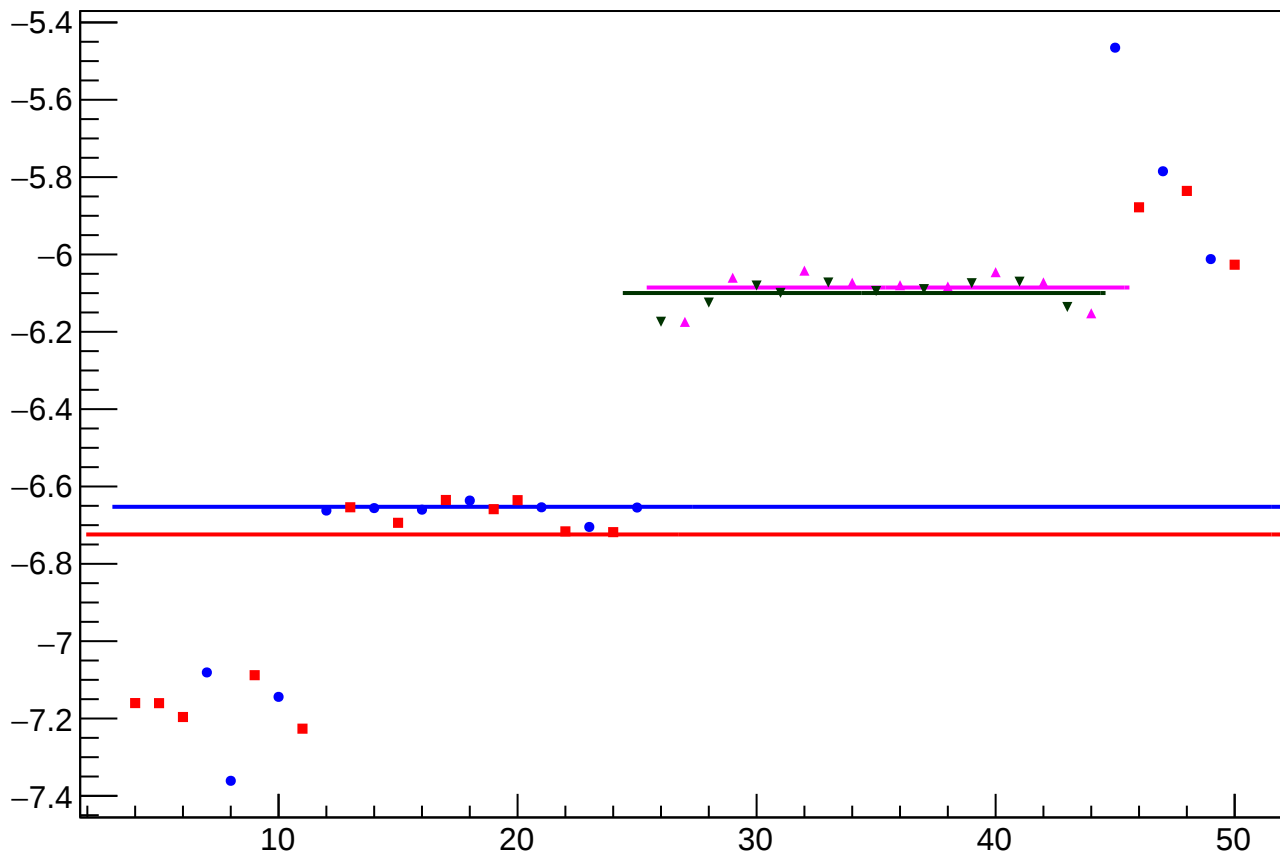
0.009+/-0.000 χ^2/NDF : 186829.6/22

Right Out: 0.009+/-0.000 χ^2/NDF : 110623.3/14

0.009+/-0.000 χ^2/NDF : 229036.3/23

Left In: 0.009+/-0.000 χ^2/NDF :115547.6/8

yield_bpm0l01Y_mean vs slug



Right In: -6.653+/-0.000 χ^2/NDF : 25642189456.2/12

Left Out: -6.100+/-0.000 χ^2/NDF : 52135577.5/9

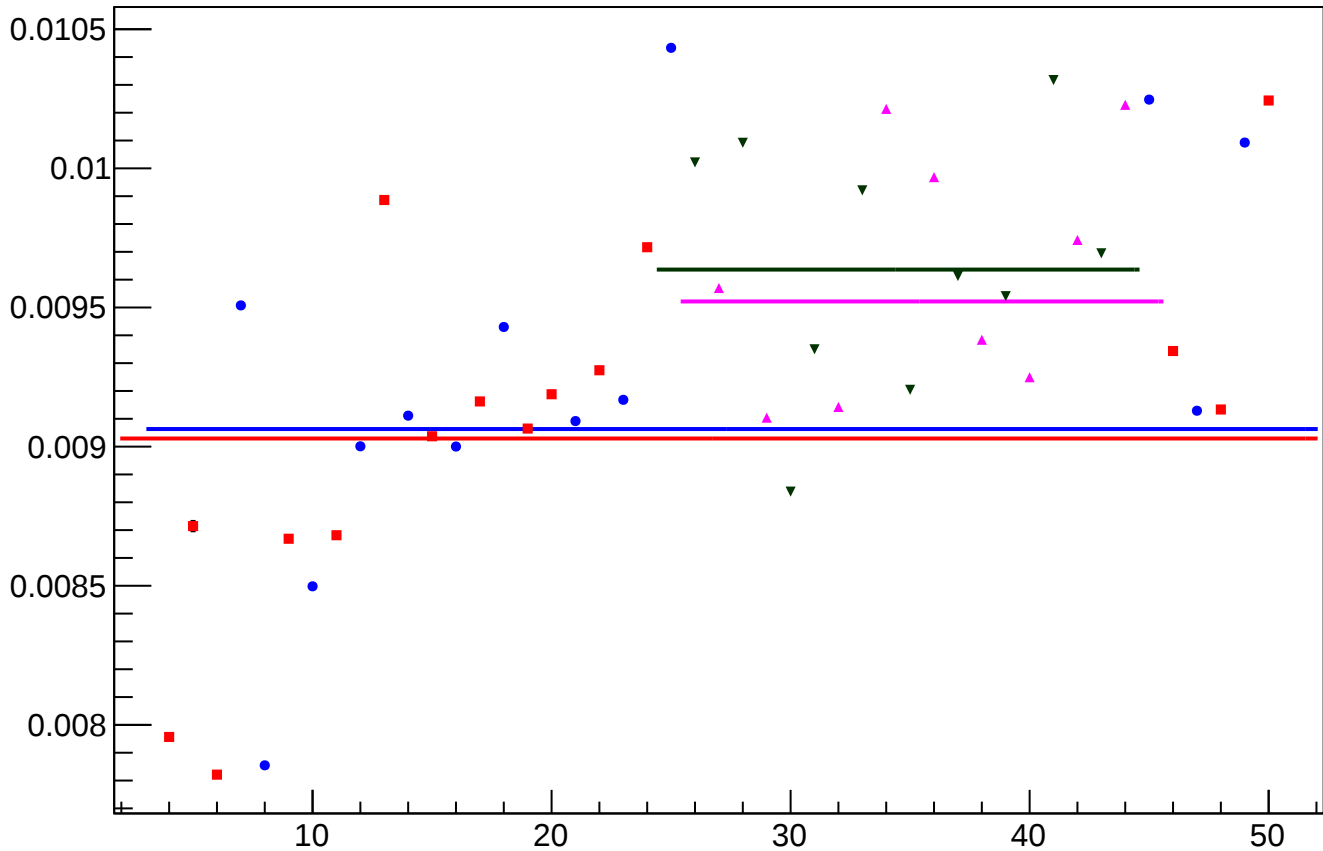
-6.455+/-0.000 χ^2/NDF : 36510720141.3/22

Right Out: -6.724+/-0.000 χ^2/NDF : 17540609226.1/14

-6.472+/-0.000 χ^2/NDF : 32559280753.5/23

Left In: -6.085+/-0.000 χ^2/NDF : 127997791.5/8

yield_bpm0l01Y_rms vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 92502.3/12

Left Out: 0.010+/-0.000 χ^2/NDF :21331.0/9

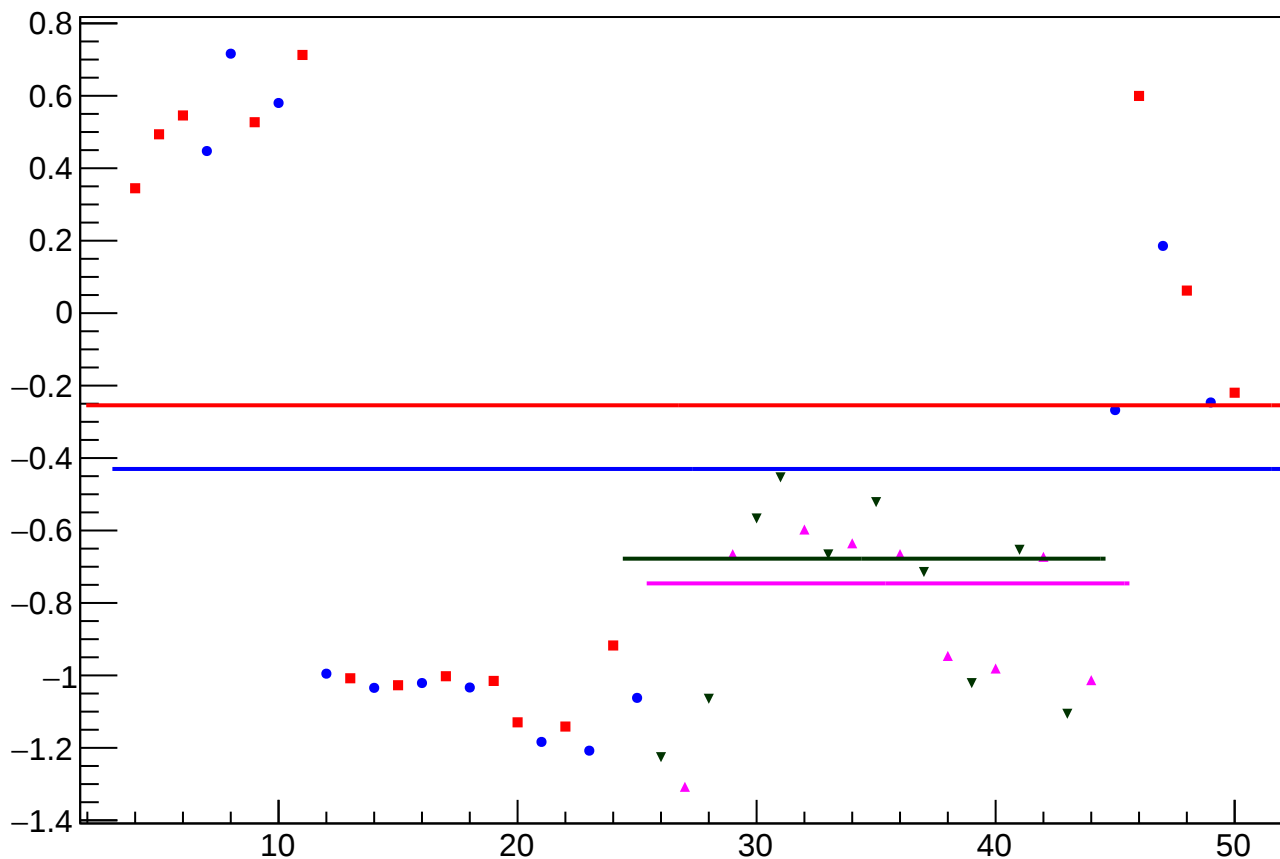
Right Out: 0.009+/-0.000 χ^2/NDF : 78718.2/14

Left In: 0.010+/-0.000 χ^2/NDF :19294.1/8

0.009+/-0.000 χ^2/NDF : 137079.2/22

0.009+/-0.000 χ^2/NDF : 115726.6/23

yield_bpm0l02X_mean vs slug



Right In: -0.430 ± 0.000 χ^2/NDF : 9917426971.3/12

Left Out: -0.678 ± 0.000 χ^2/NDF : 1358570765.2/9

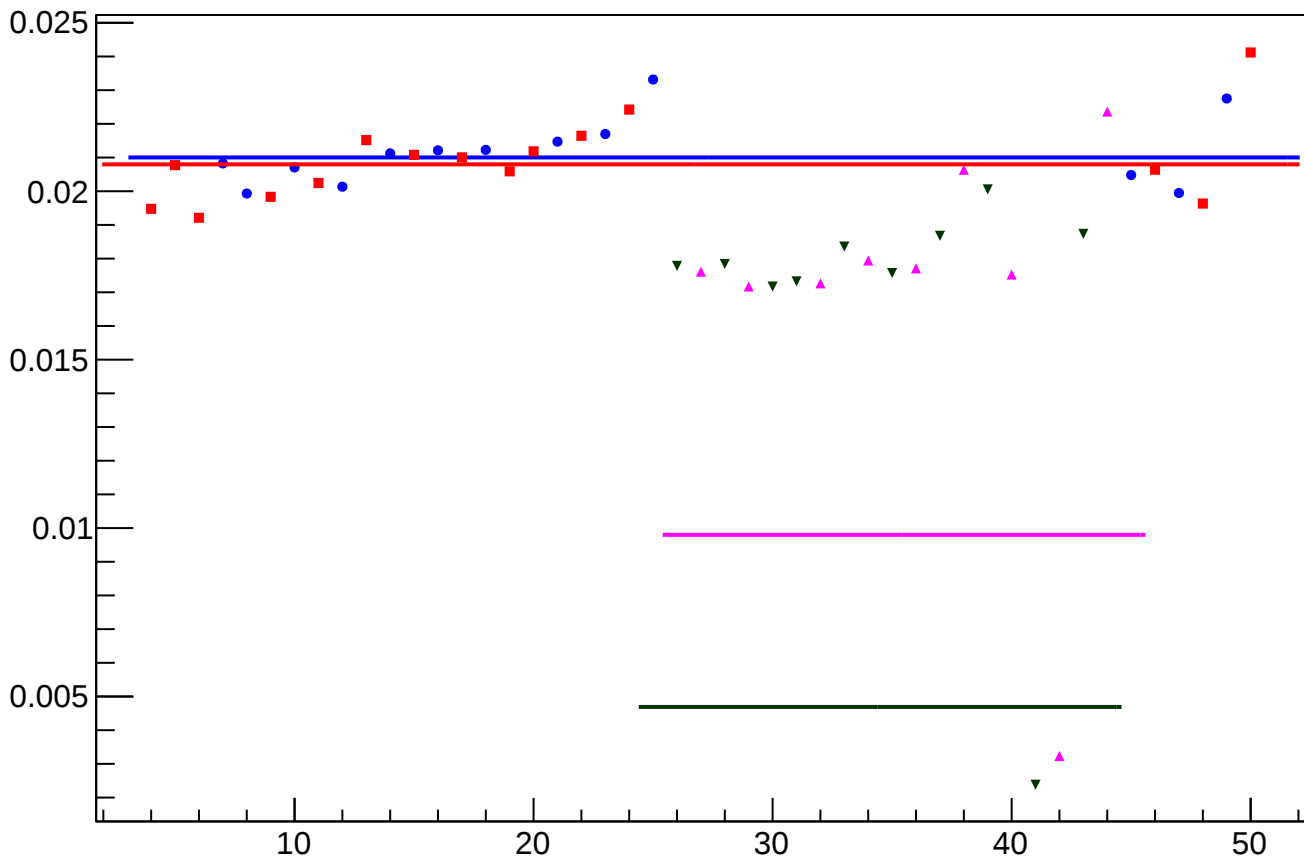
Right Out: -0.254 ± 0.000 χ^2/NDF : 10096209361.3/14

Left In: -0.746 ± 0.000 χ^2/NDF : 1268707812.5/8

-0.637 ± 0.000 χ^2/NDF : 12240286622.3/22

-0.579 ± 0.000 χ^2/NDF : 14211886520.1/23

yield_bpm0l02X_rms vs slug



Right In: 0.021+/-0.000 χ^2/NDF : 28410.1/12

Left Out: 0.005+/-0.000 χ^2/NDF : 5998219.6/9

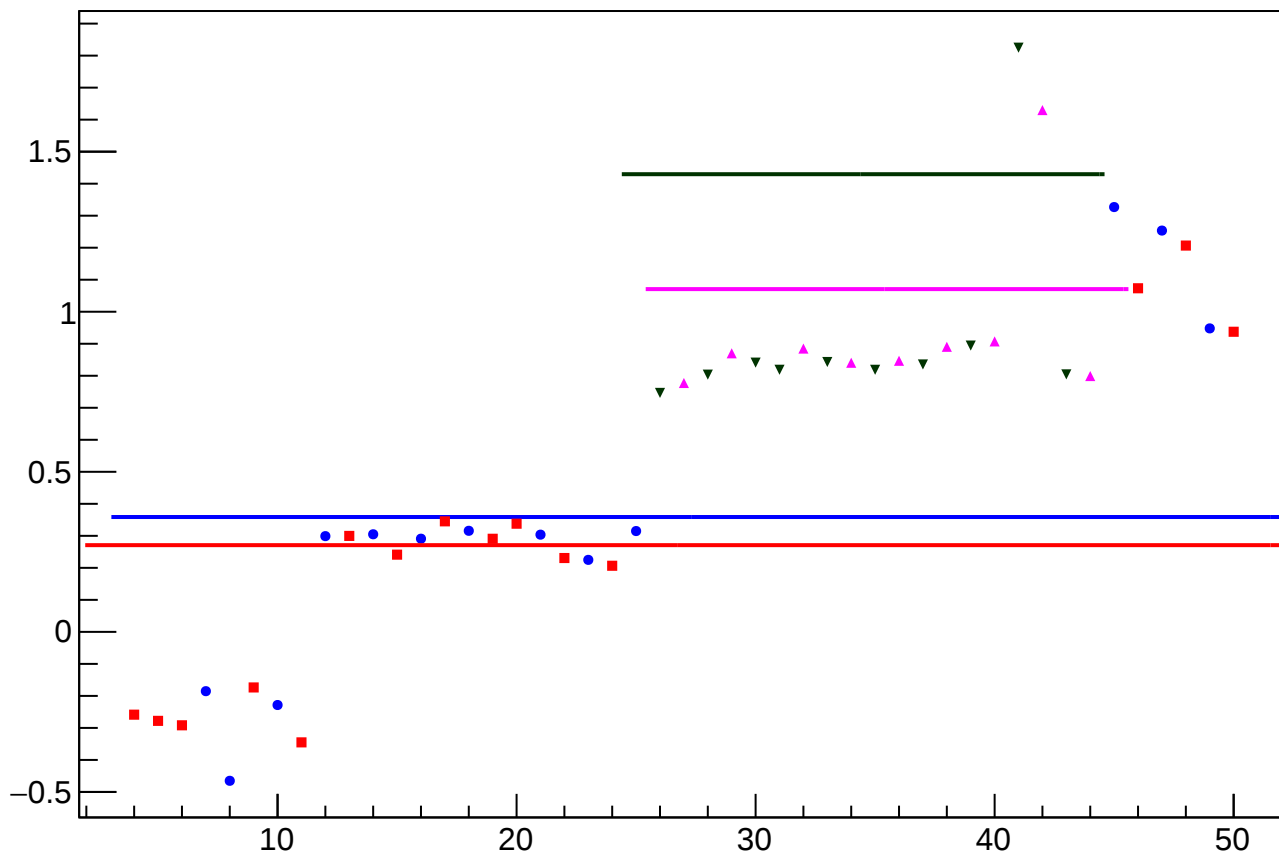
Right Out: 0.021+/-0.000 χ^2/NDF : 49221.1/14

Left In: 0.010+/-0.000 χ^2/NDF : 3818425.7/8

0.007+/-0.000 χ^2/NDF : 14394580.8/22

0.014+/-0.000 χ^2/NDF : 6717151.4/23

yield_bpm0l02Y_mean vs slug



Right In: 0.359 ± 0.000 χ^2/NDF : 14763340600.1/12

Left Out: 1.430 ± 0.000 χ^2/NDF : 20131817794.8/9

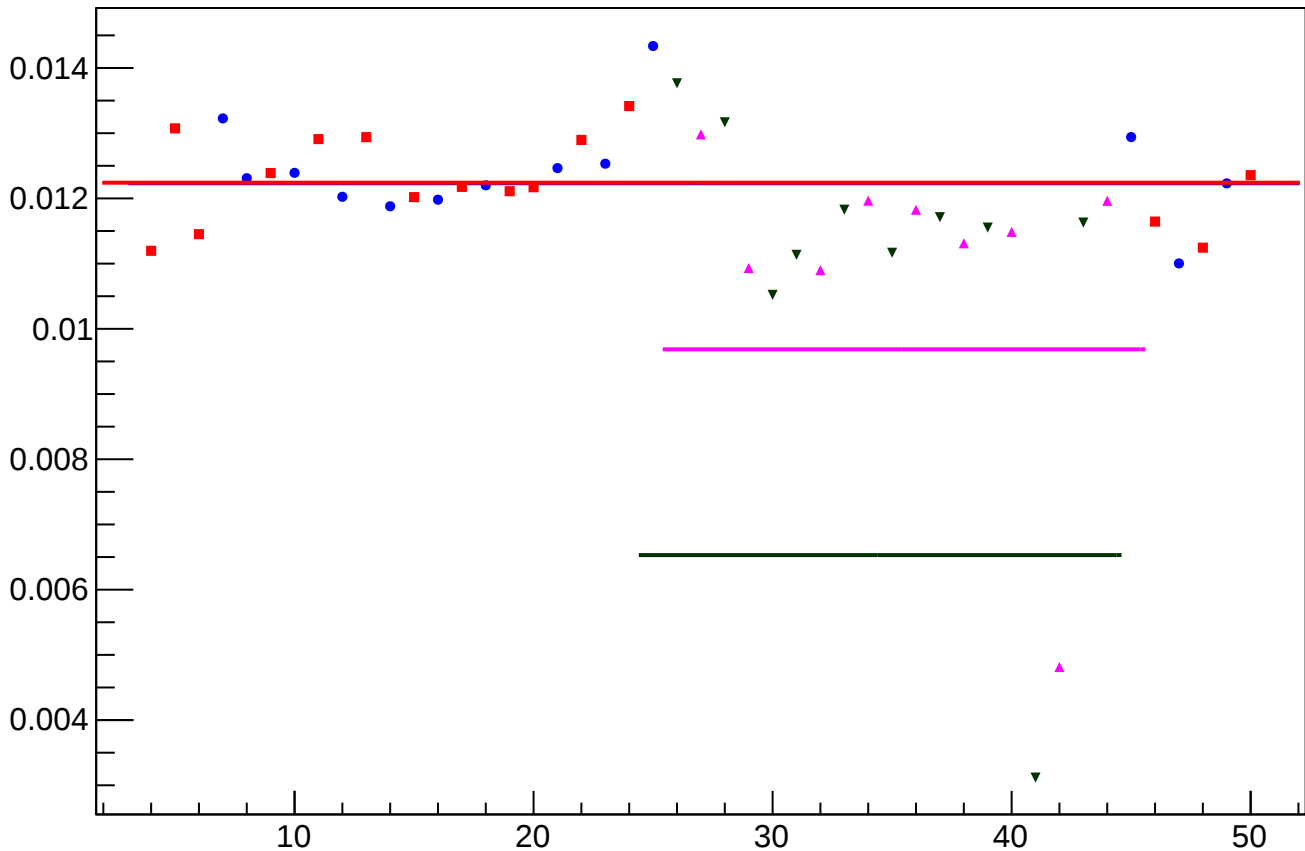
Right Out: 0.271 ± 0.000 χ^2/NDF : 11855940656.4/14

Left In: 1.071 ± 0.000 χ^2/NDF : 6285541515.9/8

1.008 ± 0.000 χ^2/NDF : 73018319224.9/22

0.674 ± 0.000 χ^2/NDF : 34518553824.6/23

yield_bpm0l02Y_rms vs slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 33567.6/12

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:3050338.6/9

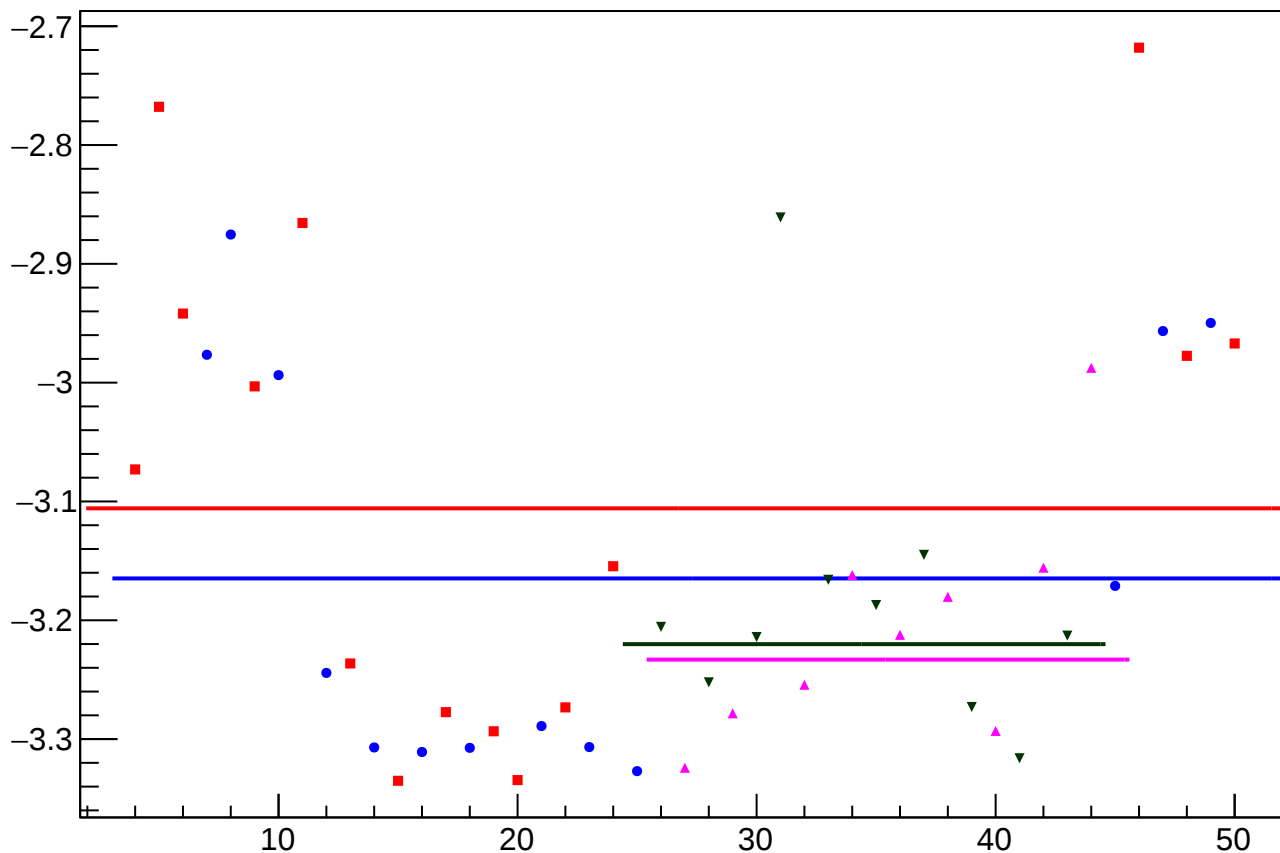
Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 42951.3/14

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:979026.7/8

0.009 $\pm$ 0.000 χ^2 /NDF: 5246316.1/22

0.011 $\pm$ 0.000 χ^2 /NDF: 1356280.6/23

yield_bpm0l03X_mean vs slug



Right In: -3.165+/-0.000 χ^2/NDF : 3309881311.9/12

Left Out: -3.220+/-0.000 χ^2/NDF : 428312091.3/9

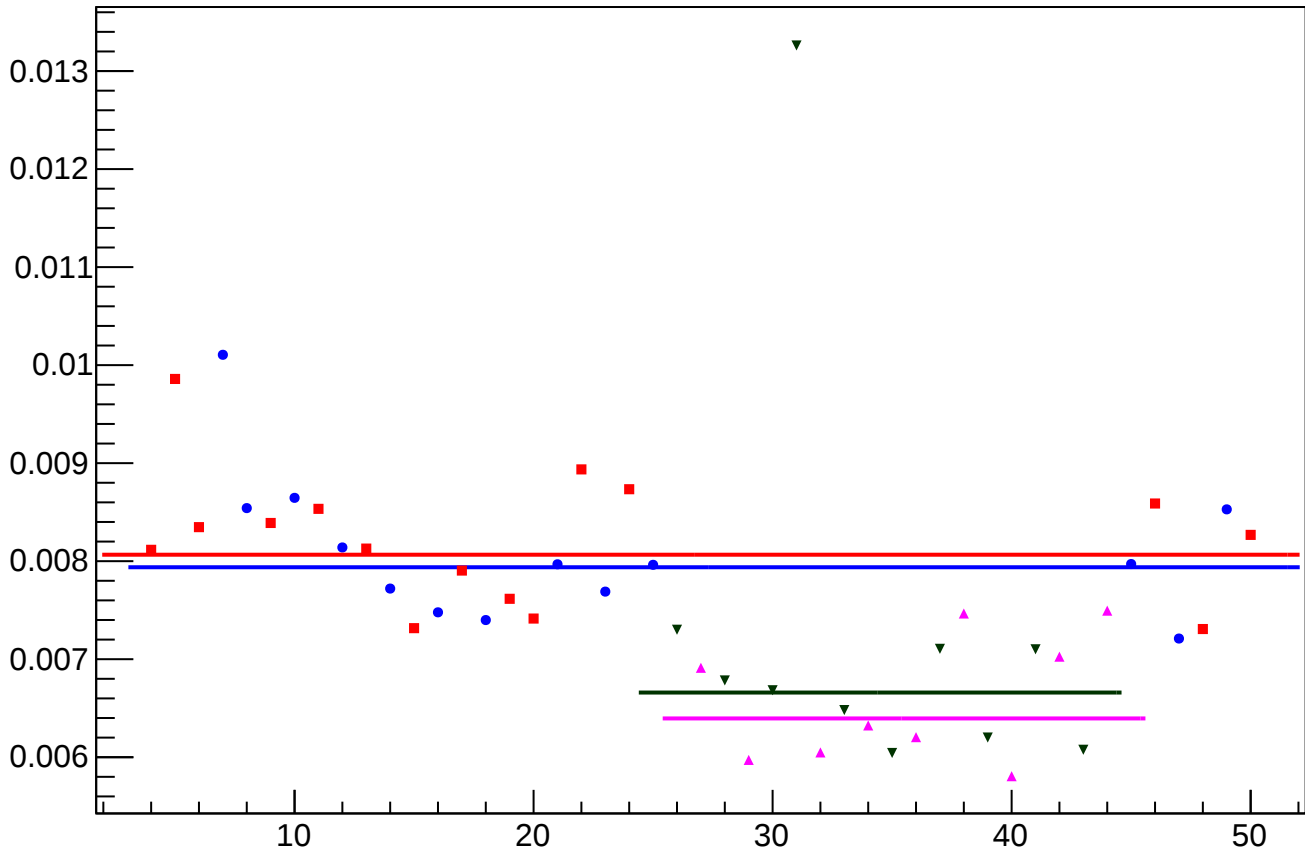
Right Out: -3.106+/-0.000 χ^2/NDF : 3520529770.4/14

Left In: -3.233+/-0.000 χ^2/NDF : 784509895.8/8

-3.190+/-0.000 χ^2/NDF : 3901242929.5/22

-3.174+/-0.000 χ^2/NDF : 5191556121.9/23

yield_bpm0l03X_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 59682.7/12

Left Out: 0.007+/-0.000 χ^2/NDF : 169219.9/9

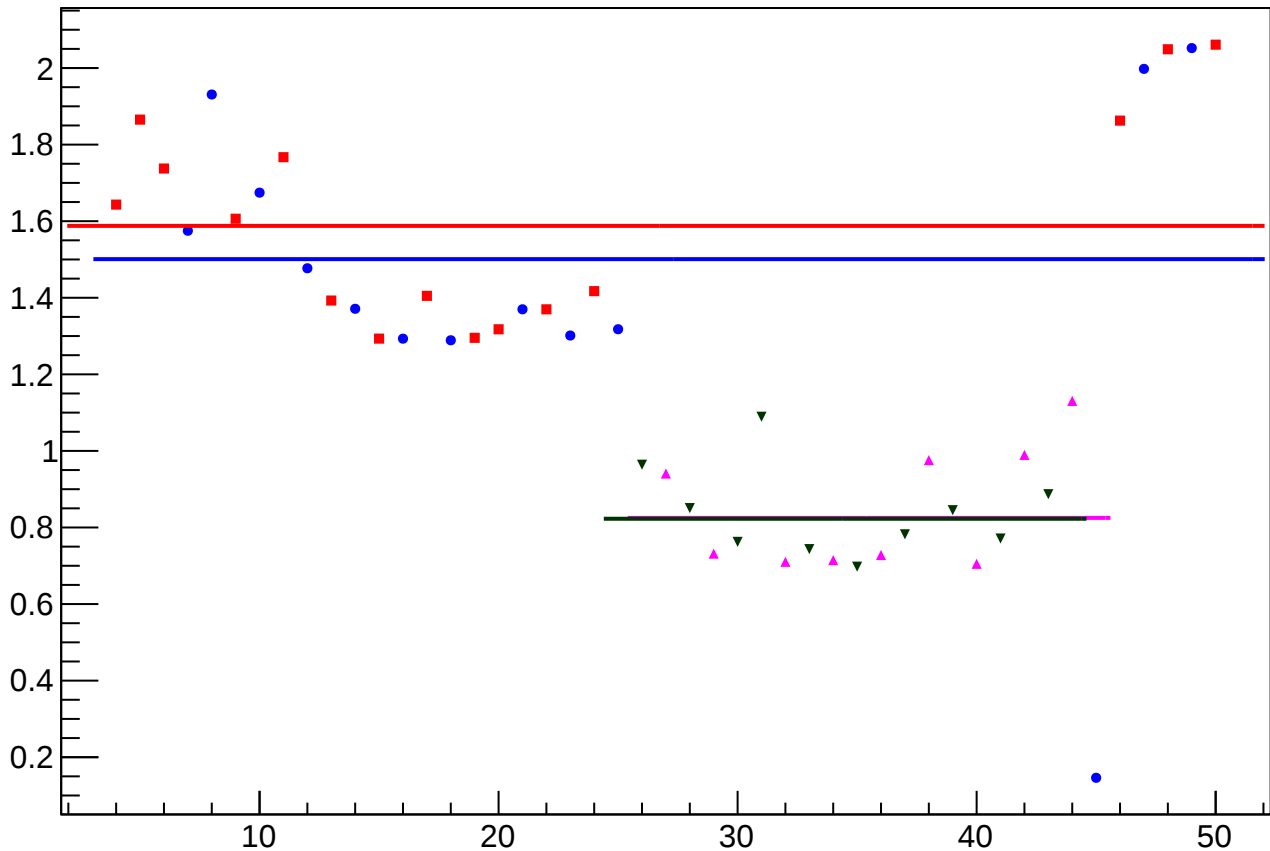
Right Out: 0.008+/-0.000 χ^2/NDF : 55360.3/14

Left In: 0.006+/-0.000 χ^2/NDF : 72293.2/8

0.007+/-0.000 χ^2/NDF : 403070.8/22

0.007+/-0.000 χ^2/NDF : 432883.3/23

yield_bpm0l03Y_mean vs slug



Right In: 1.501 $\pm$ 0.000 χ^2 /NDF: 18704333332.5/12

Left Out: 0.823 $\pm$ 0.000 χ^2 /NDF:373202951.2/9

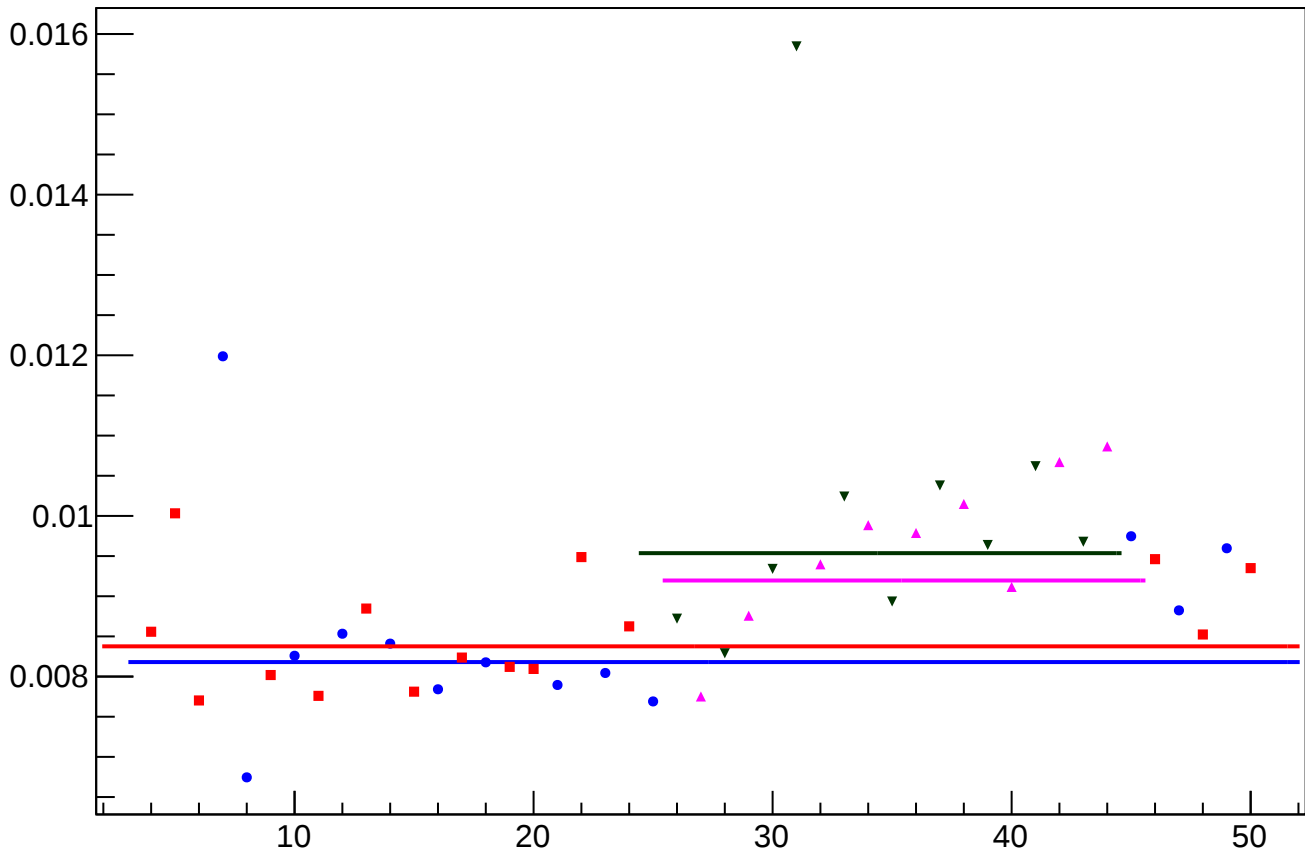
1.290 $\pm$ 0.000 χ^2 /NDF: 34302781729.4/22

Right Out: 1.588 $\pm$ 0.000 χ^2 /NDF: 6082910638.4/14

1.296 $\pm$ 0.000 χ^2 /NDF: 27683296443.1/23

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 : 167100.2/12

Left Out: 0.010+/-0.000 χ^2/NDF :144258.2/9

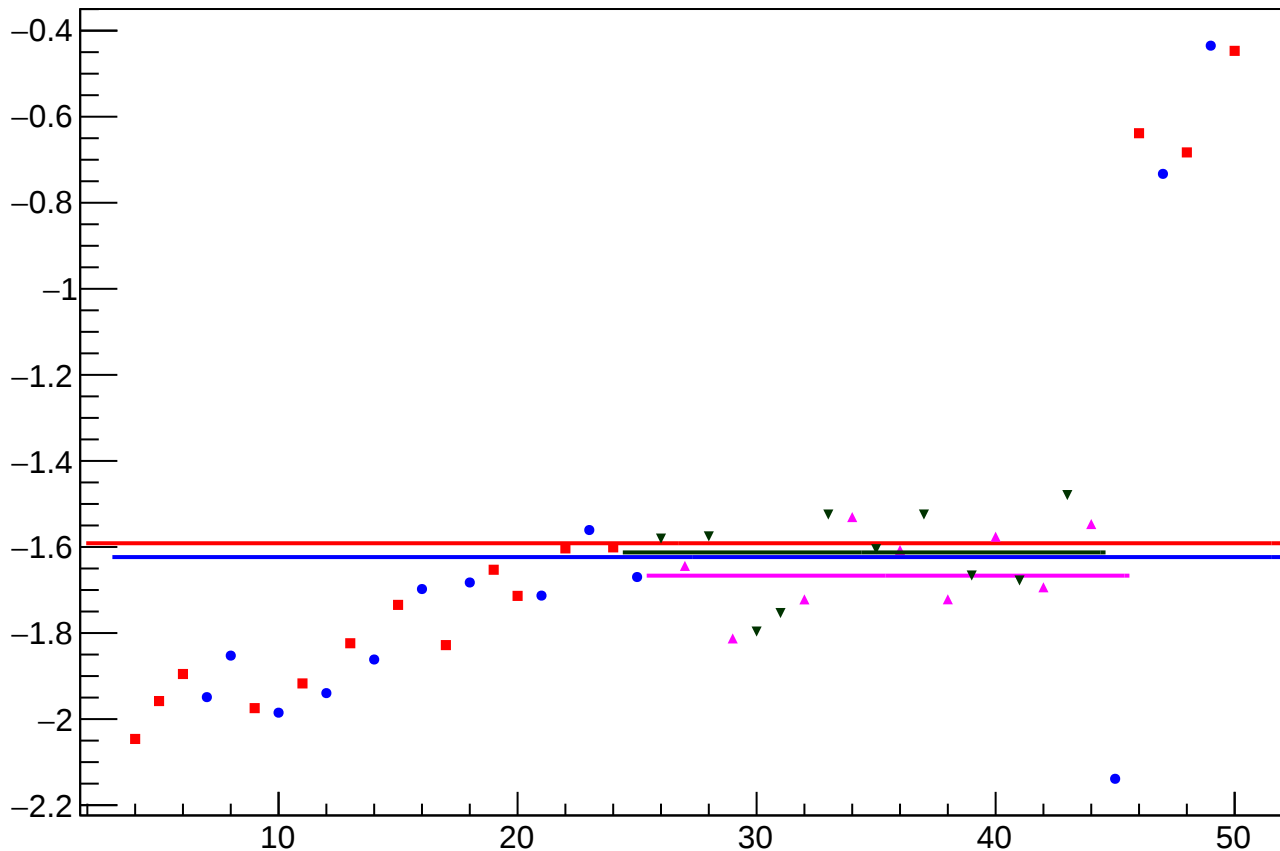
Right Out: 0.008+/-0.000 χ^2/NDF : 63782.1/14

Left In: 0.009+/-0.000 χ^2/NDF :103784.9/8

0.009+/-0.000 χ^2/NDF : 433140.0/22

0.009+/-0.000 χ^2/NDF : 215042.2/23

yield_bpm0l04X_mean vs slug



Right In: -1.623 ± 0.000 χ^2/NDF : 15651123653.4/12

Left Out: -1.613 ± 0.000 χ^2/NDF : 327148879.4/9

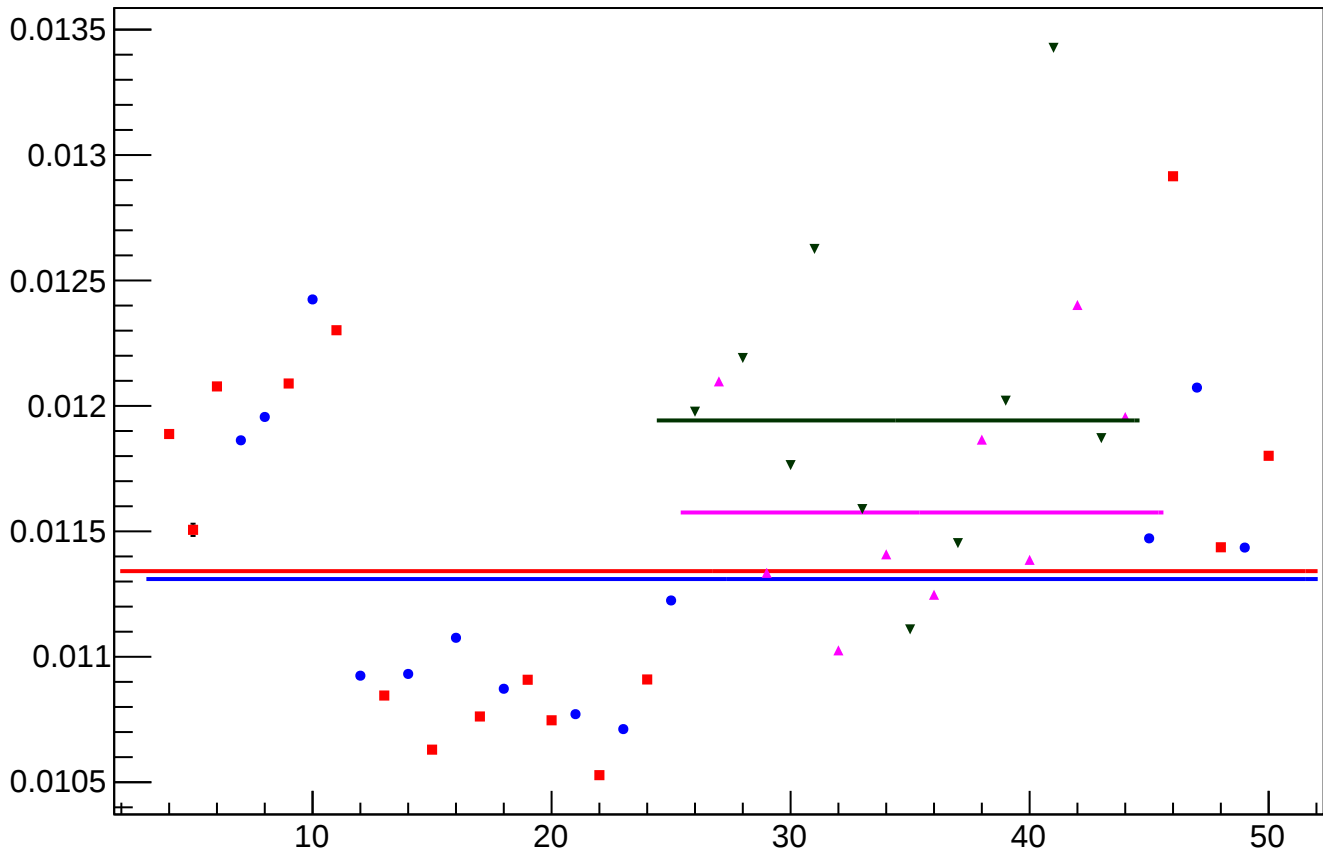
Right Out: -1.591 ± 0.000 χ^2/NDF : 13627539392.2/14

Left In: -1.667 ± 0.000 χ^2/NDF : 344212253.5/8

-1.620 ± 0.000 χ^2/NDF : 15981033937.9/22

-1.622 ± 0.000 χ^2/NDF : 14111307917.6/23

yield_bpm0l04X_rms vs slug



Right In: 0.011+/-0.000 χ^2/NDF : 37370.7/12

Left Out: 0.012+/-0.000 χ^2/NDF : 25348.0/9

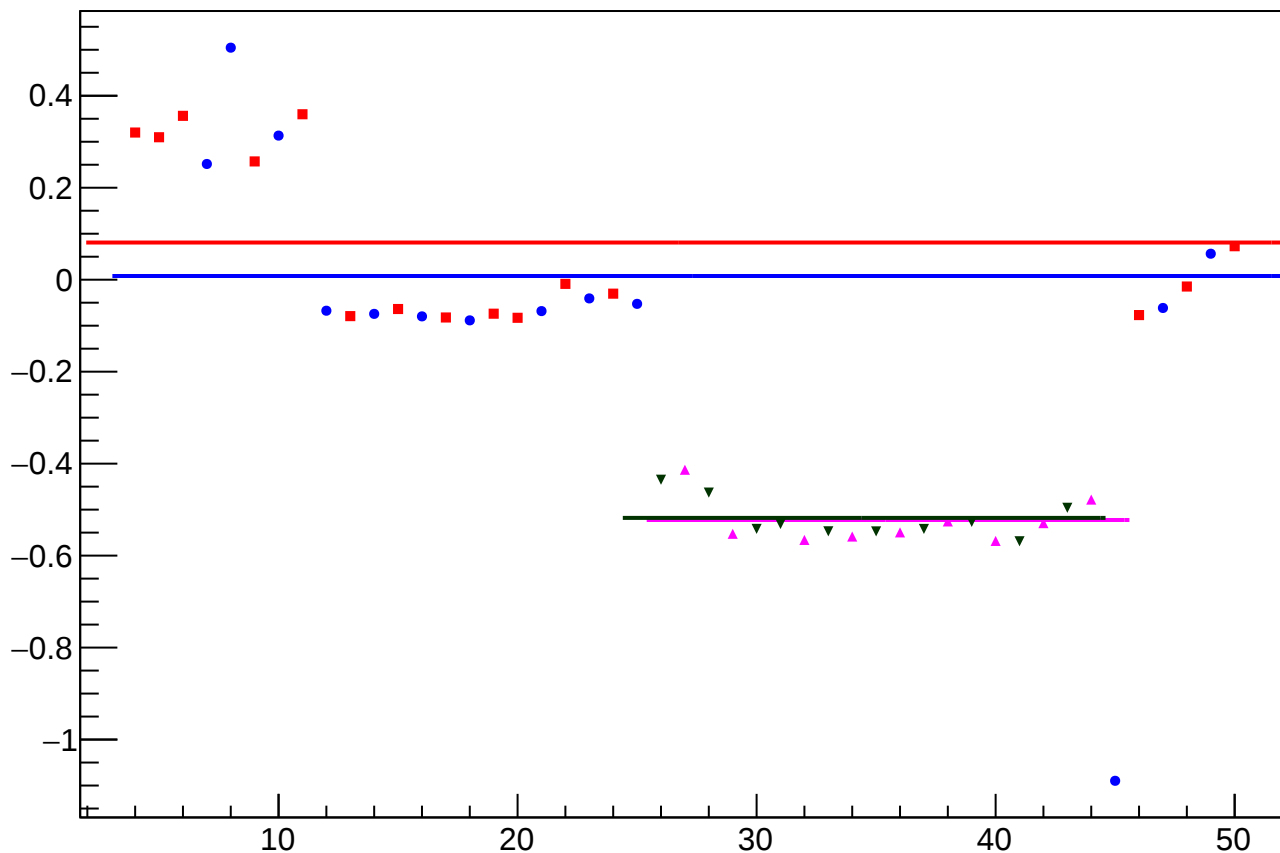
Right Out: 0.011+/-0.000 χ^2/NDF : 58806.7/14

Left In: 0.012+/-0.000 χ^2/NDF : 15888.6/8

0.012+/-0.000 χ^2/NDF : 81452.5/22

0.011+/-0.000 χ^2/NDF : 77384.6/23

yield_bpm0l04Y_mean vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 18053188914.4/12

Left Out: -0.518+/-0.000 χ^2/NDF : 131878439.0/9

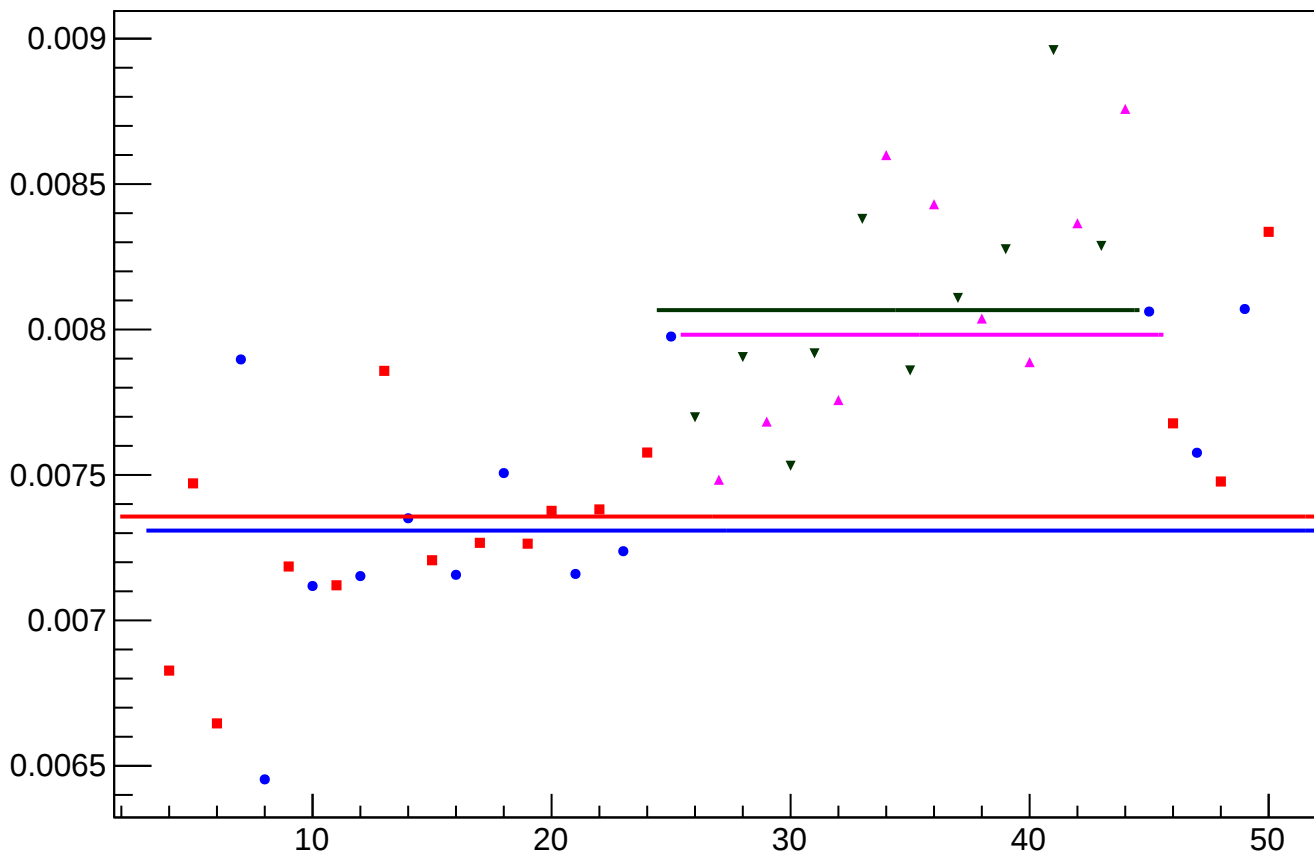
Right Out: 0.081+/-0.000 χ^2/NDF : 4558023168.4/14

Left In: -0.523+/-0.000 χ^2/NDF : 258155612.5/8

-0.171+/-0.000 χ^2/NDF : 32589173260.4/22

-0.149+/-0.000 χ^2/NDF : 24250489335.3/23

yield_bpm0l04Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 67160.3/12

Left Out: 0.008+/-0.000 χ^2/NDF : 23022.1/9

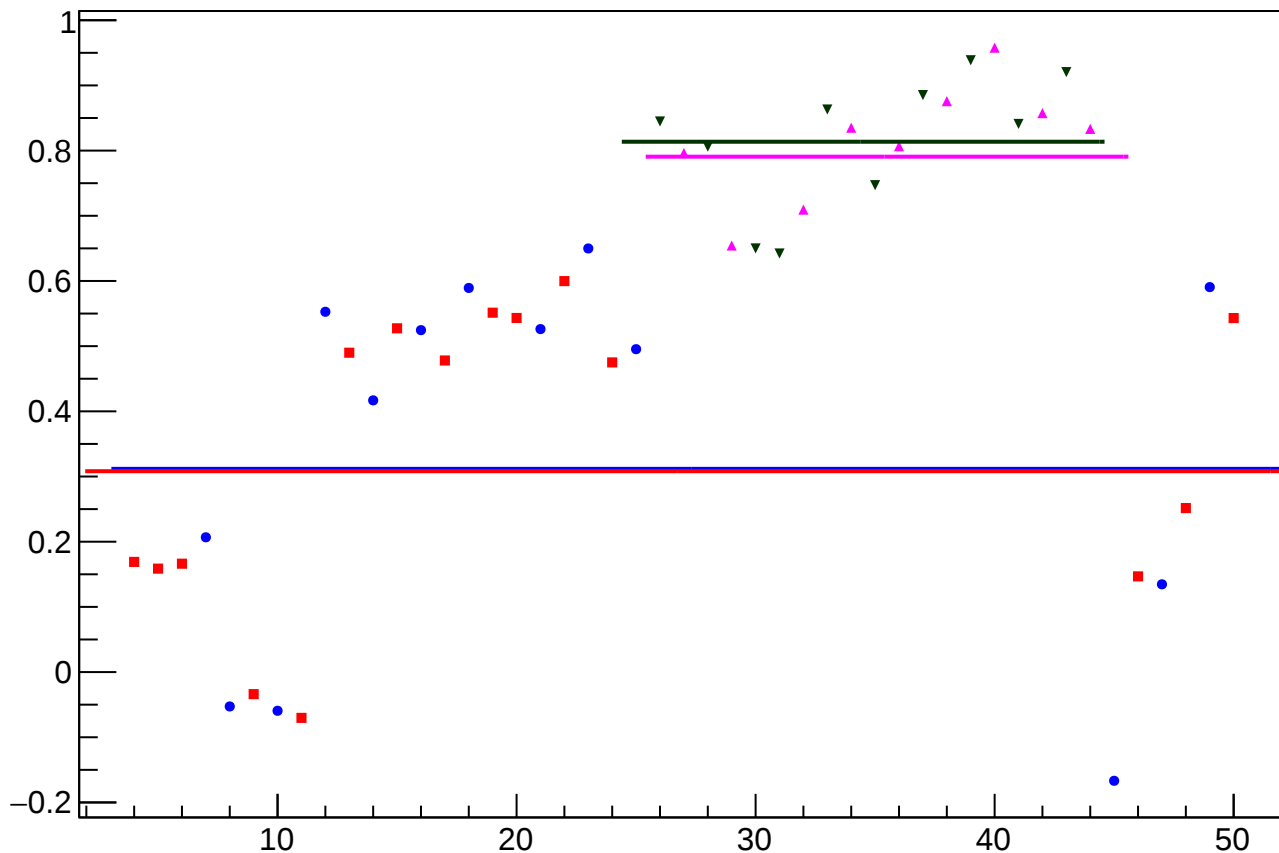
Right Out: 0.007+/-0.000 χ^2/NDF : 43768.7/14

Left In: 0.008+/-0.000 χ^2/NDF : 29355.6/8

0.008+/-0.000 χ^2/NDF : 149986.7/22

0.008+/-0.000 χ^2/NDF : 114833.7/23

yield_bpm0l05X_mean vs slug



Right In: 0.312 $\pm$ 0.000 χ^2 /NDF: 14172417689.9/12

Left Out: 0.814 $\pm$ 0.000 χ^2 /NDF: 993349923.9/9

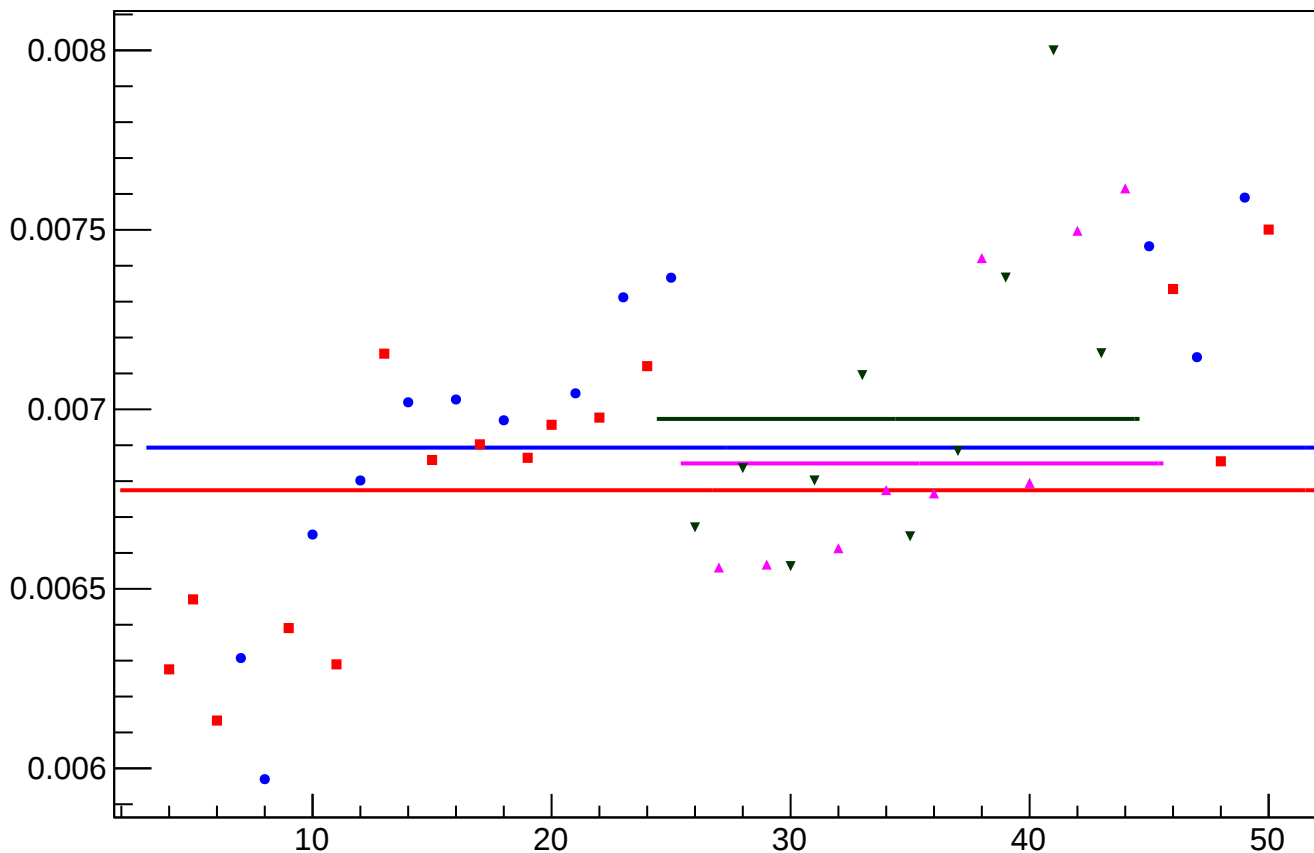
0.504 $\pm$ 0.000 χ^2 /NDF: 31847751365.8/22

Right Out: 0.308 $\pm$ 0.000 χ^2 /NDF: 9383891636.6/14

0.508 $\pm$ 0.000 χ^2 /NDF: 26432685176.8/23

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 : 78162.2/12

Left Out: 0.007+/-0.000 χ^2/NDF : 32912.7/9

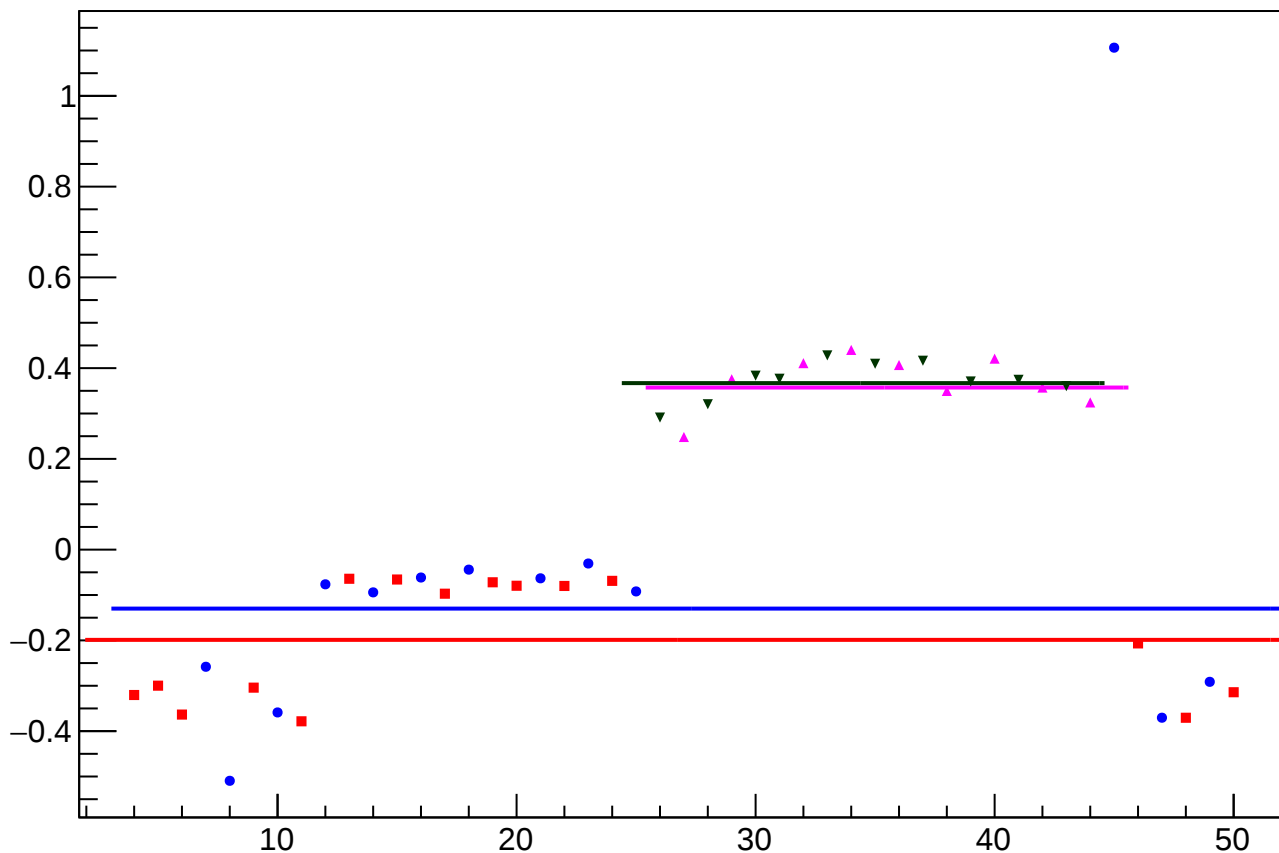
Right Out: 0.007+/-0.000 χ^2/NDF : 56121.4/14

Left In: 0.007+/-0.000 χ^2/NDF : 33164.0/8

0.007+/-0.000 χ^2/NDF : 111922.1/22

0.007+/-0.000 χ^2/NDF : 90059.7/23

yield_bpm0l05Y_mean vs slug



Right In: -0.130+/-0.000 χ^2/NDF : 35179489446.6/12

Left Out: 0.367+/-0.000 χ^2/NDF :258003359.9/9

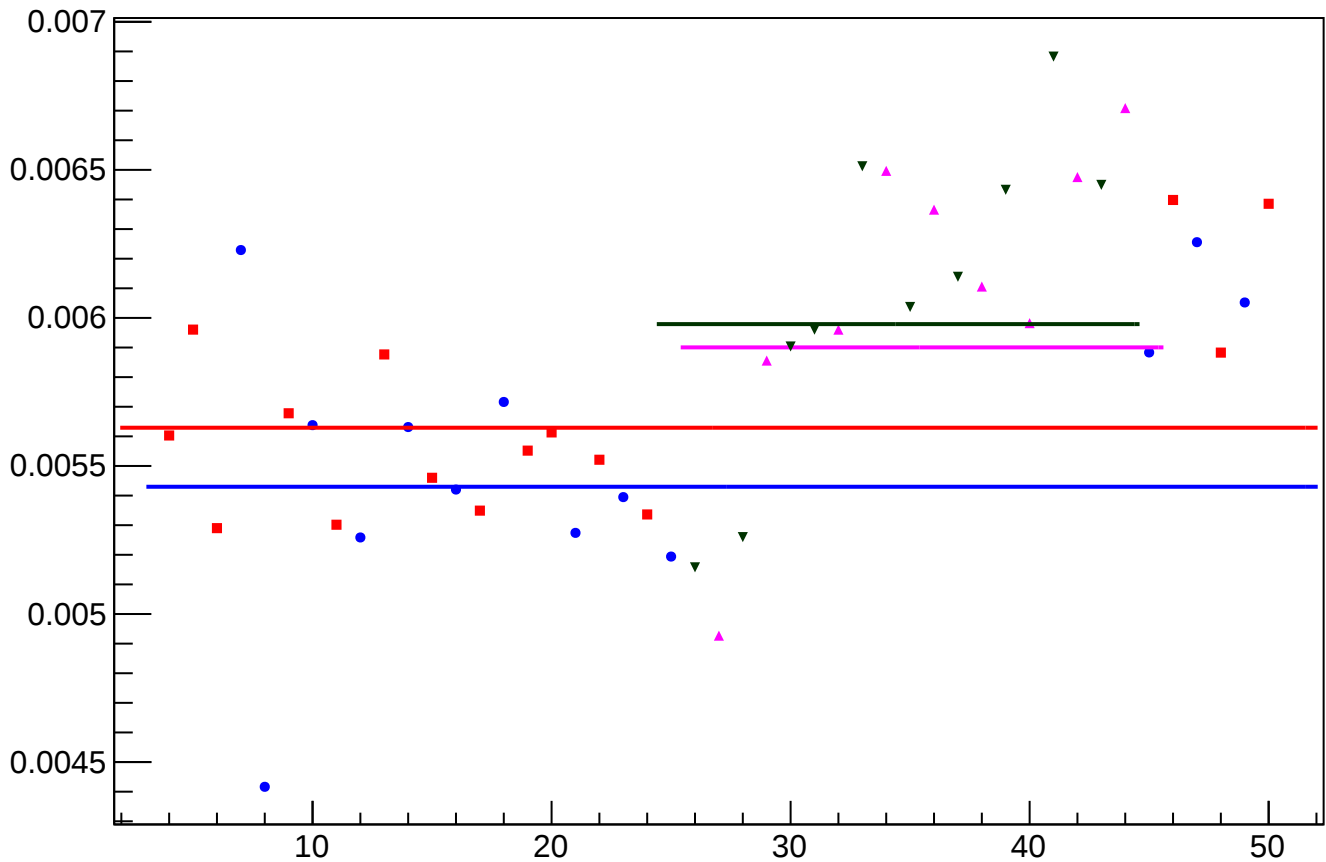
0.039+/-0.000 χ^2/NDF : 58451305689.0/22

Right Out: -0.199+/-0.000 χ^2/NDF : 4150991873.8/14

0.021+/-0.000 χ^2/NDF : 33848383645.5/23

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 : 152690.2/12

Left Out: 0.006+/-0.000 χ^2/NDF : 84407.0/9

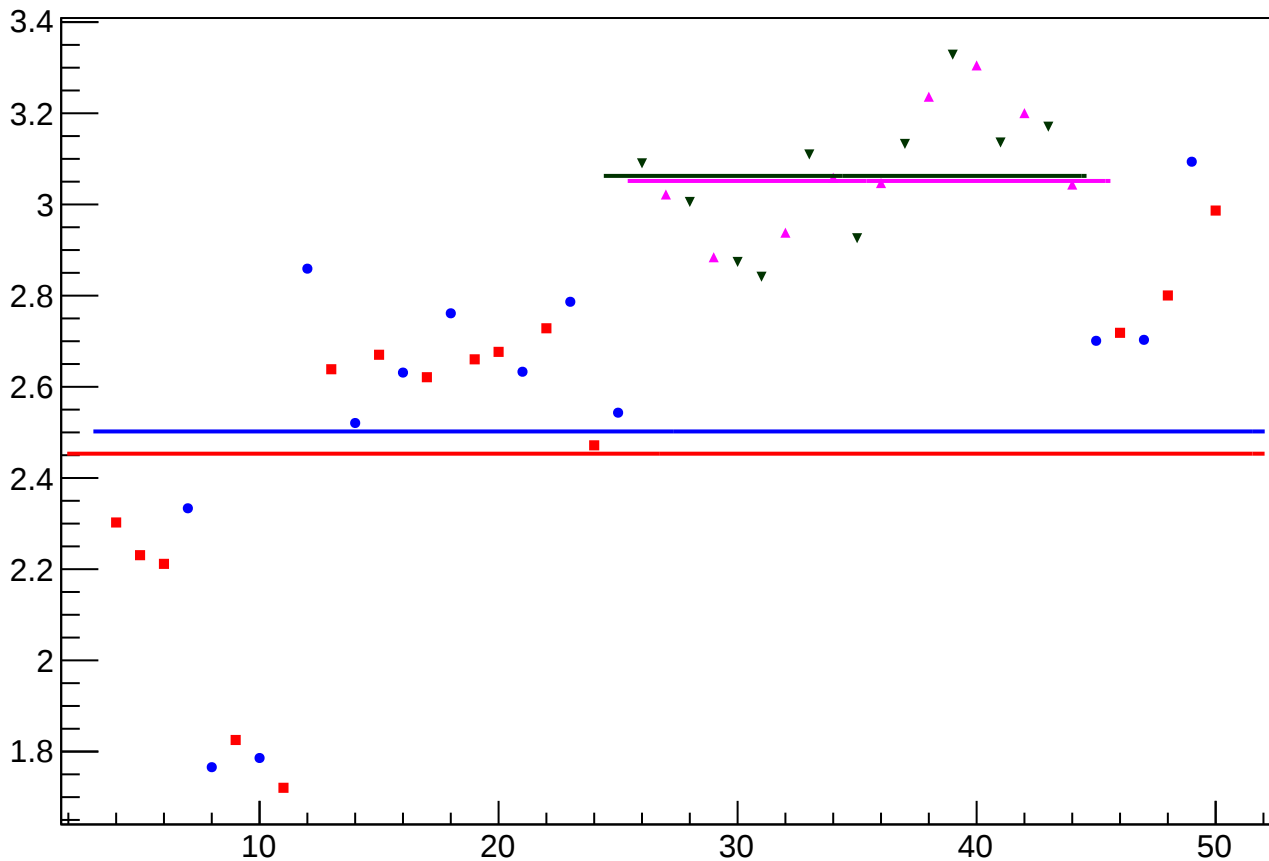
Right Out: 0.006+/-0.000 χ^2/NDF : 50971.9/14

Left In: 0.006+/-0.000 χ^2/NDF : 101099.8/8

0.006+/-0.000 χ^2/NDF : 293335.6/22

0.006+/-0.000 χ^2/NDF : 165899.2/23

yield_bpm0l06X_mean vs slug



Right In: 2.502 $\pm$ 0.000 χ^2 /NDF: 10683455883.2/12

Left Out: 3.063 $\pm$ 0.000 χ^2 /NDF:1107067165.5/9

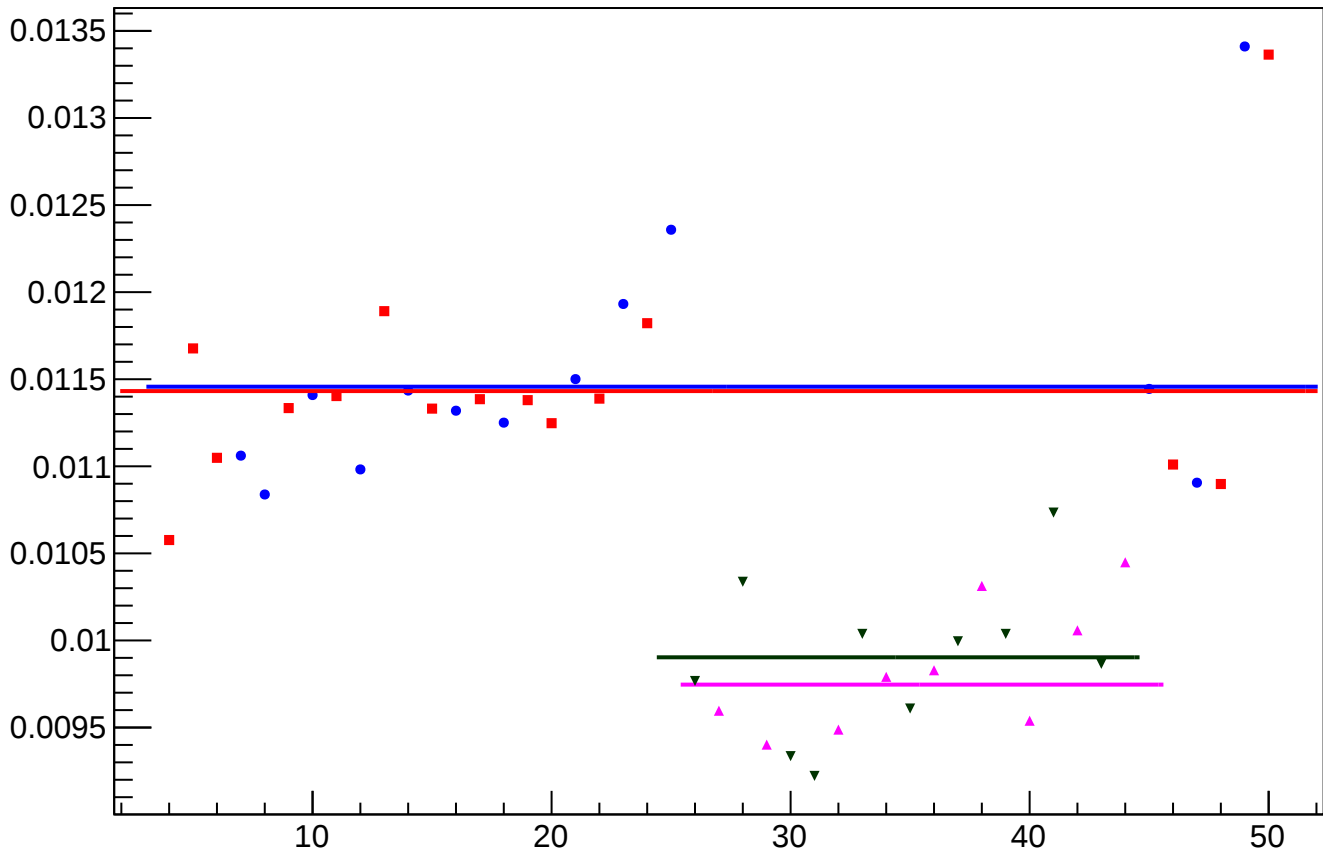
2.760 $\pm$ 0.000 χ^2 /NDF: 20869660024.4/22

Right Out: 2.453 $\pm$ 0.000 χ^2 /NDF: 8070716344.6/14

2.752 $\pm$ 0.000 χ^2 /NDF: 19550035551.9/23

Left In: 3.052 $\pm$ 0.000 χ^2 /NDF:1015989993.5/8

yield_bpm0l06X_rms vs slug



Right In: 0.011+/-0.000 χ^2/NDF : 51831.9/12

Left Out: 0.010+/-0.000 χ^2/NDF : 18813.8/9

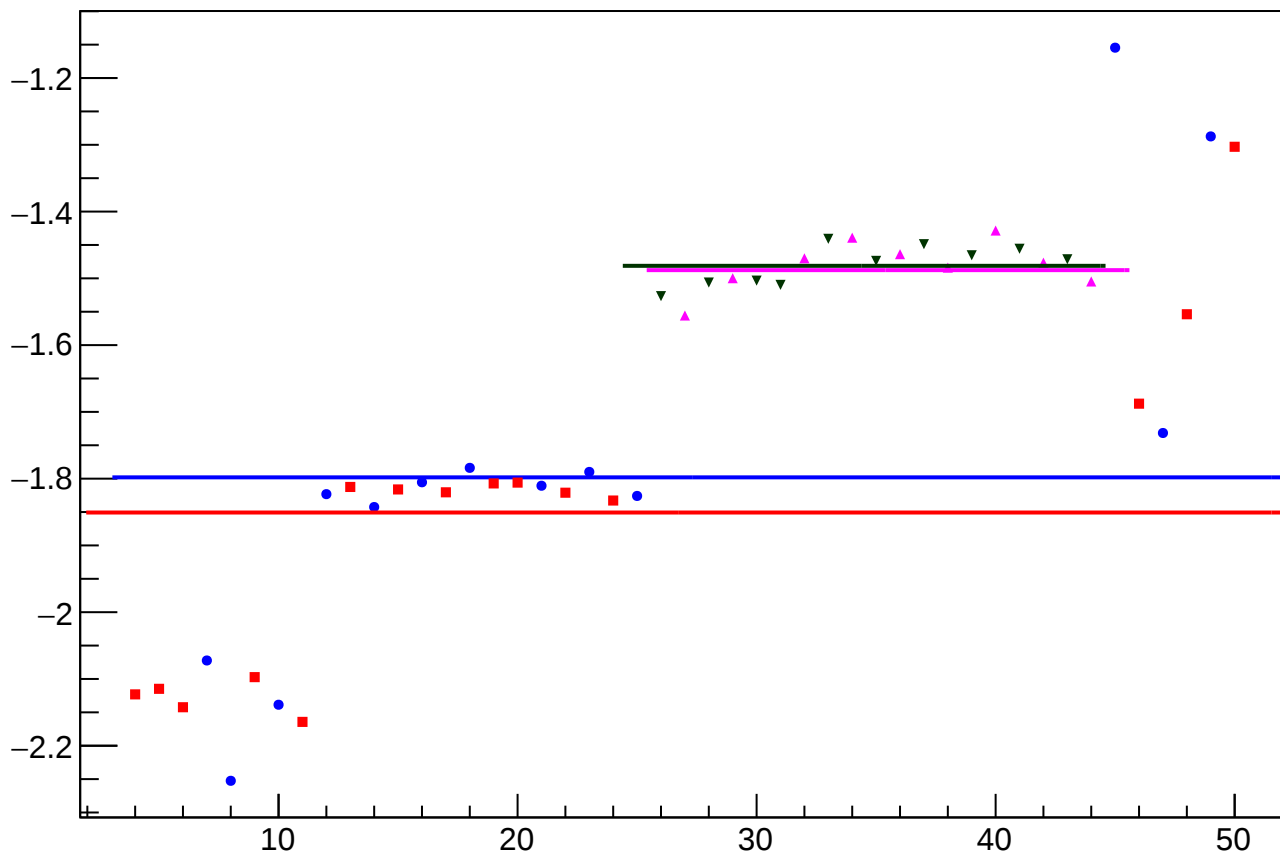
Right Out: 0.011+/-0.000 χ^2/NDF : 36403.4/14

Left In: 0.010+/-0.000 χ^2/NDF : 13193.9/8

0.011+/-0.000 χ^2/NDF : 210186.2/22

0.011+/-0.000 χ^2/NDF : 215735.8/23

yield_bpm0l06Y_mean vs slug



Right In: -1.798+/-0.000 χ^2/NDF : 35750515787.6/12

Left Out: -1.481+/-0.000 χ^2/NDF :133314200.9/9

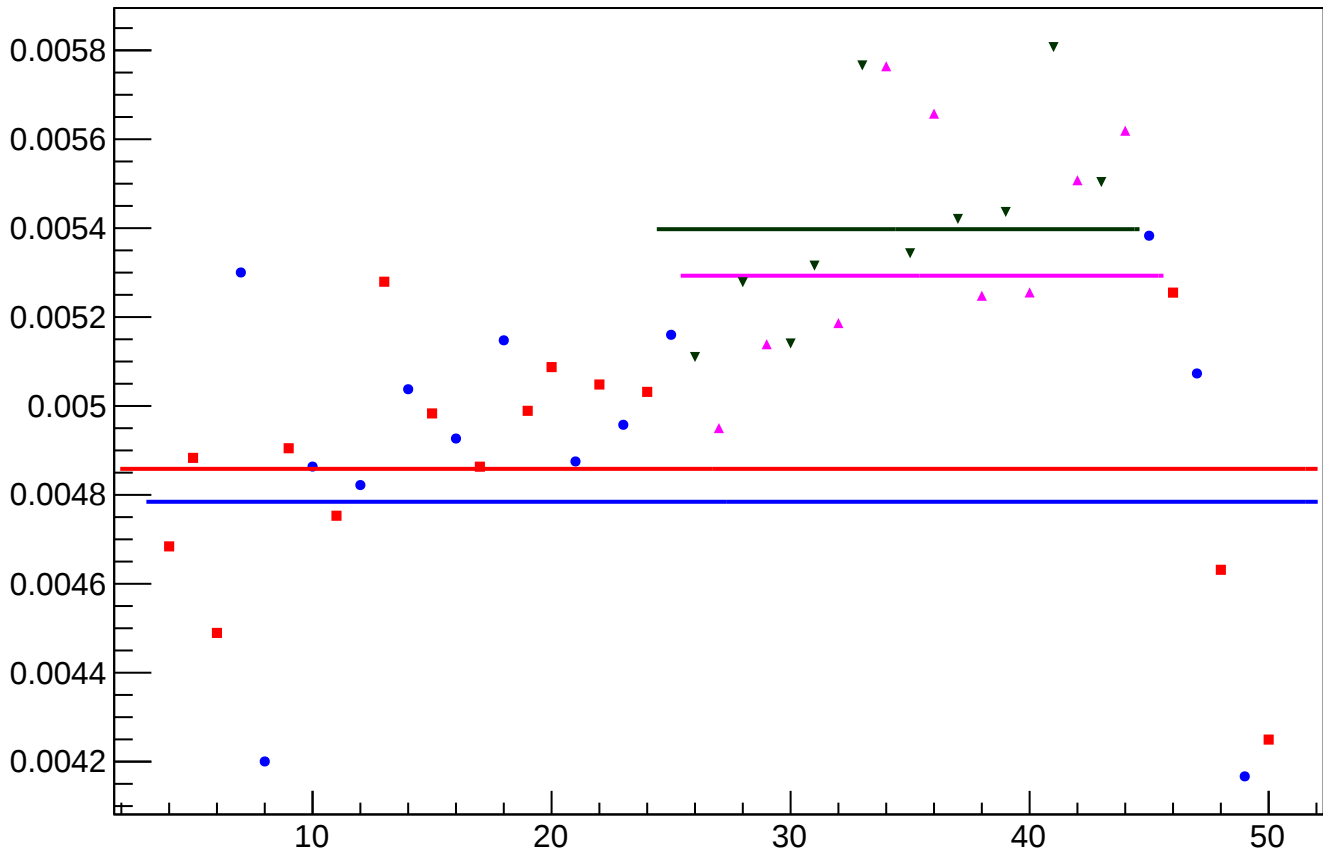
Right Out: -1.851+/-0.000 χ^2/NDF : 19707421668.8/14

Left In: -1.488+/-0.000 χ^2/NDF :281282296.5/8

-1.693+/-0.000 χ^2/NDF : 47719223717.2/22

-1.713+/-0.000 χ^2/NDF : 36050285688.1/23

yield_bpm0l06Y_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 110993.2/12

Left Out: 0.005+/-0.000 χ^2/NDF :16600.8/9

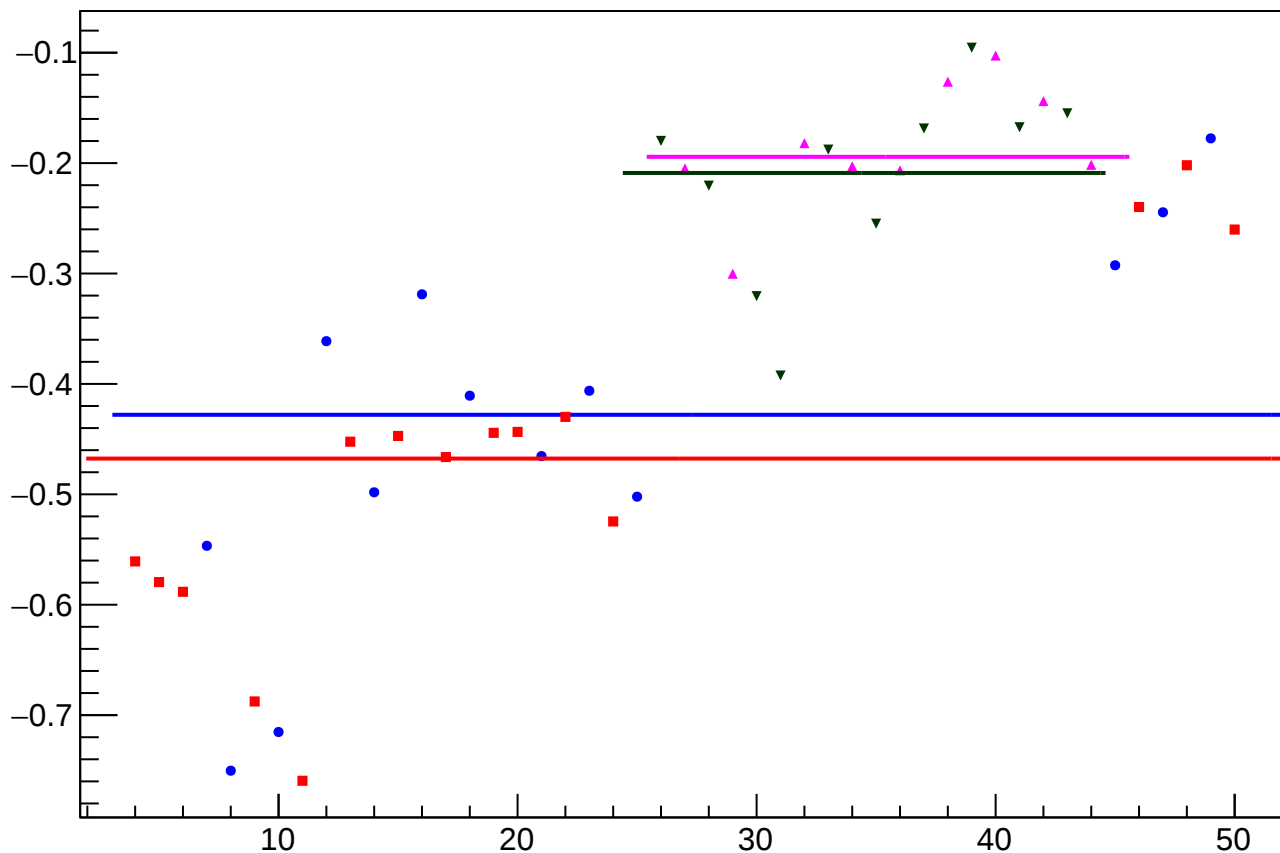
Right Out: 0.005+/-0.000 χ^2/NDF : 54961.4/14

Left In: 0.005+/-0.000 χ^2/NDF :25779.4/8

0.005+/-0.000 χ^2/NDF : 216265.3/22

0.005+/-0.000 χ^2/NDF : 126754.5/23

yield_bpm0l07X_mean vs slug



Right In: -0.428 ± 0.000 χ^2/NDF : 1093841504.9/12

Left Out: -0.209 ± 0.000 χ^2/NDF : 145606796.2/9

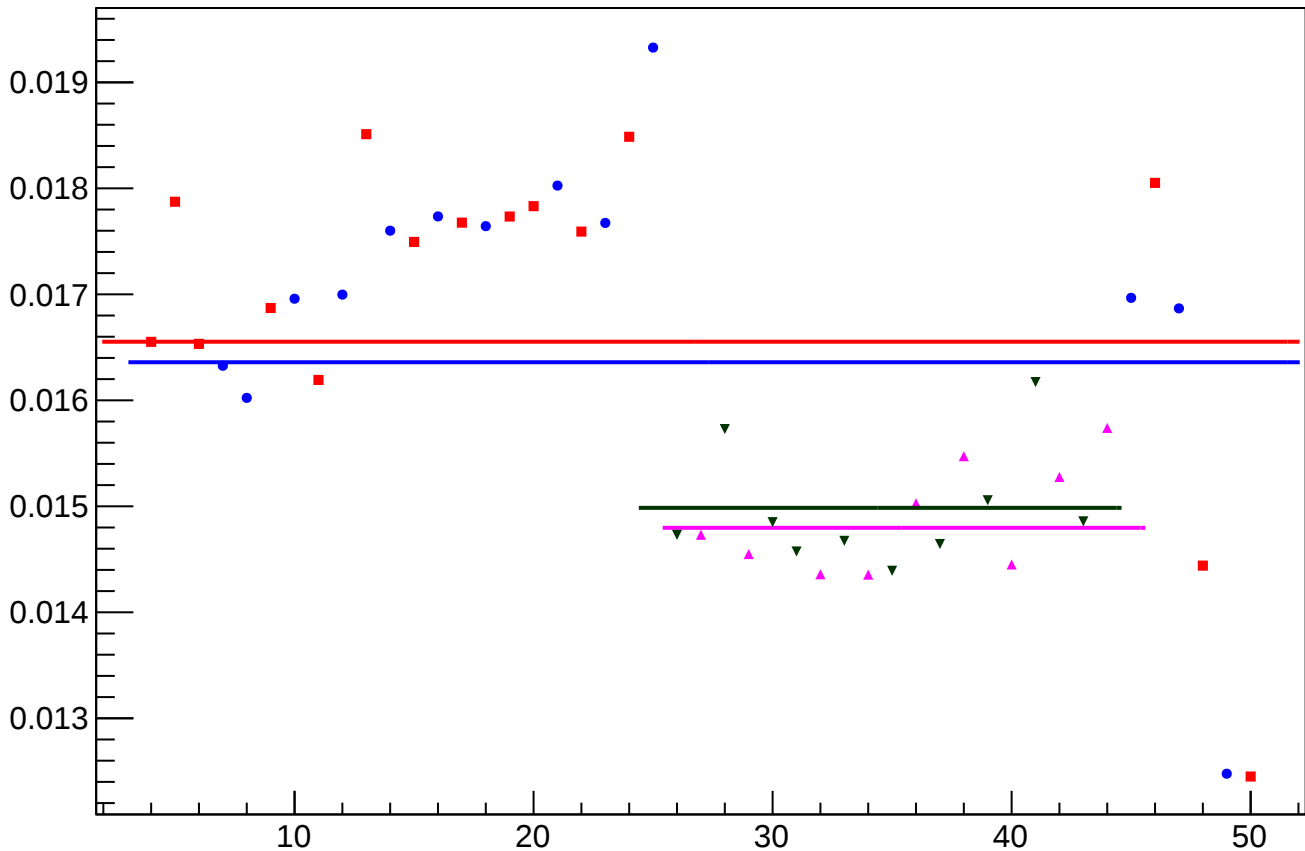
Right Out: -0.468 ± 0.000 χ^2/NDF : 774135704.1/14

Left In: -0.194 ± 0.000 χ^2/NDF : 81659796.5/8

-0.332 ± 0.000 χ^2/NDF : 1878966833.4/22

-0.336 ± 0.000 χ^2/NDF : 1843950897.4/23

yield_bpm0l07X_rms vs slug



Right In: 0.016 ± 0.000 χ^2/NDF : 226094.1/12

Left Out: 0.015 ± 0.000 χ^2/NDF : 13214.2/9

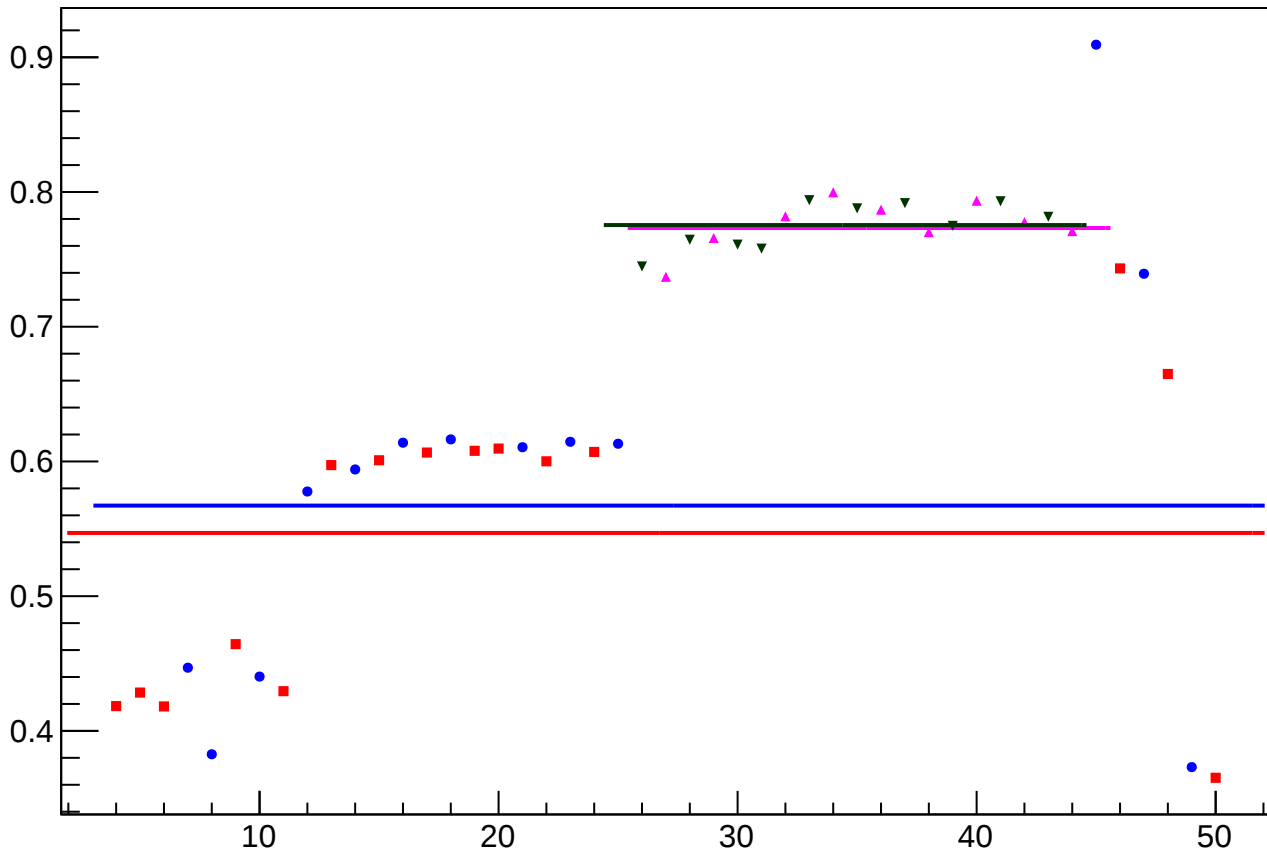
Right Out: 0.017 ± 0.000 χ^2/NDF : 193784.4/14

Left In: 0.015 ± 0.000 χ^2/NDF : 10554.2/8

0.016 ± 0.000 χ^2/NDF : 289621.6/22

0.016 ± 0.000 χ^2/NDF : 285880.4/23

yield_bpm0l07Y_mean vs slug



Right In: 0.567 $\pm$ 0.000 χ^2 /NDF: 15644069097.9/12

Left Out: 0.775 $\pm$ 0.000 χ^2 /NDF: 122038329.5/9

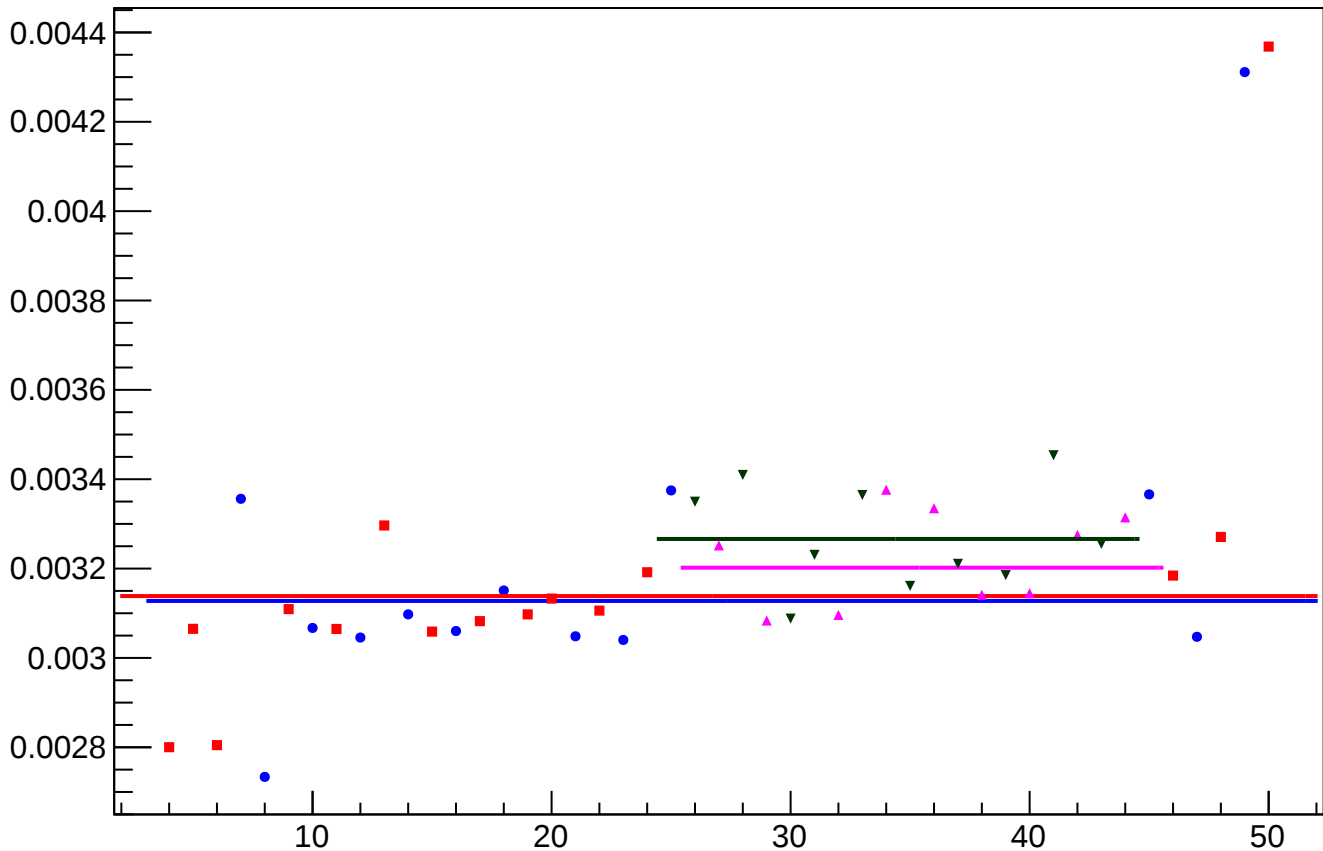
0.644 $\pm$ 0.000 χ^2 /NDF: 29054656068.0/22

Right Out: 0.547 $\pm$ 0.000 χ^2 /NDF: 8073976408.1/14

0.640 $\pm$ 0.000 χ^2 /NDF: 24482537780.7/23

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 : 179982.5/12

Left Out: 0.003+/-0.000 χ^2/NDF :12873.3/9

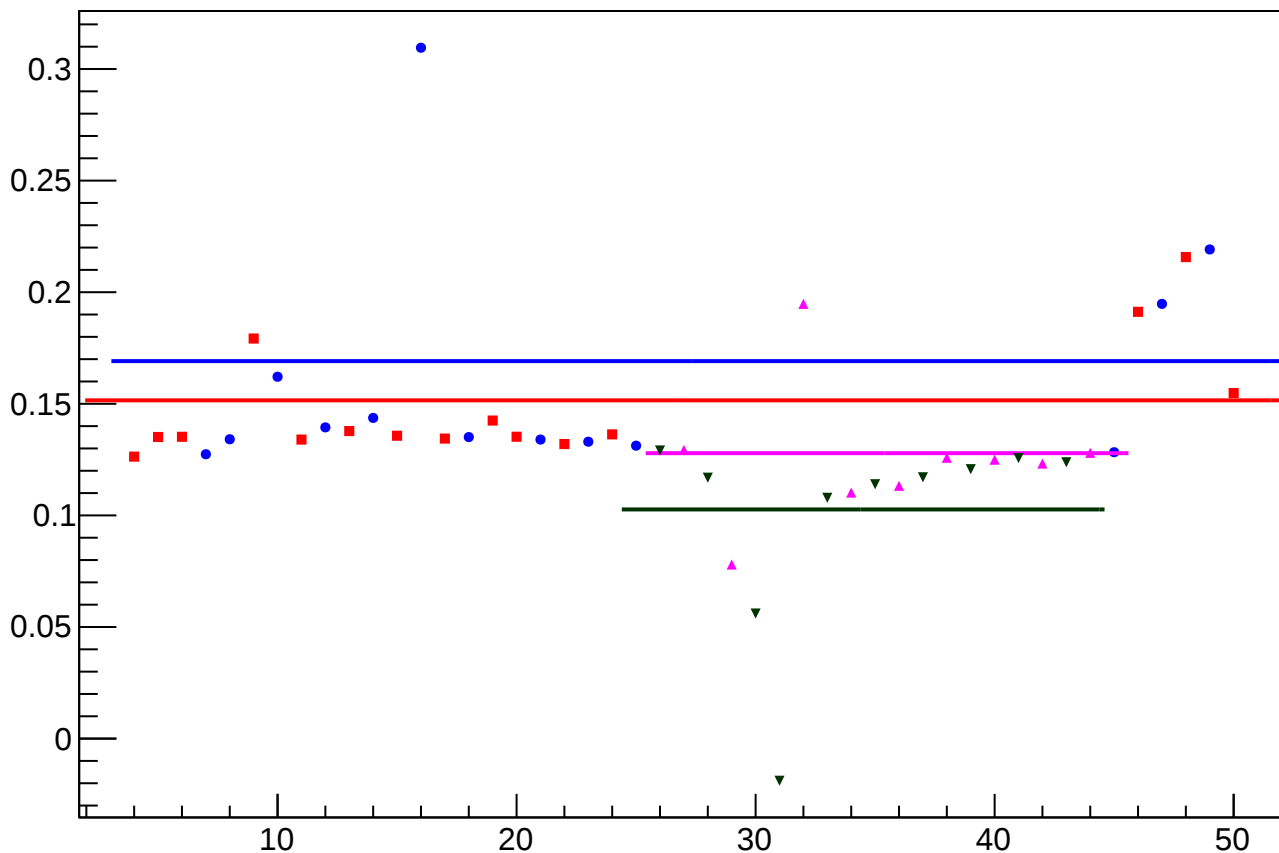
Right Out: 0.003+/-0.000 χ^2/NDF : 116670.5/14

Left In: 0.003+/-0.000 χ^2/NDF :11463.7/8

0.003+/-0.000 χ^2/NDF : 204652.4/22

0.003+/-0.000 χ^2/NDF : 130693.6/23

yield_bpm0l08X_mean vs slug



Right In: 0.169+/-0.000 χ^2/NDF : 89502363.5/12

Left Out: 0.103+/-0.000 χ^2/NDF : 42575286.2/9

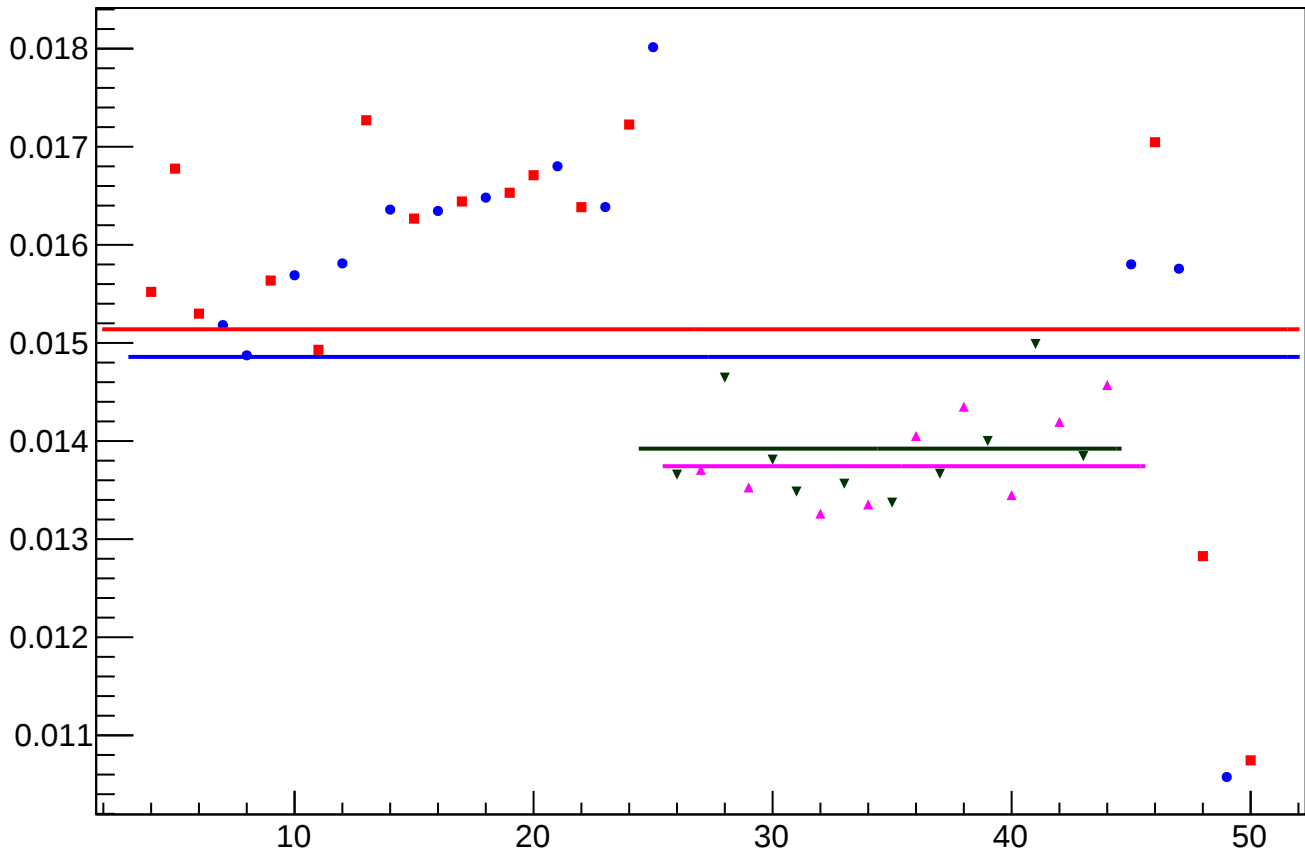
Right Out: 0.152+/-0.000 χ^2/NDF : 21928150.5/14

Left In: 0.128+/-0.000 χ^2/NDF : 35319224.9/8

0.141+/-0.000 χ^2/NDF : 201297962.4/22

0.140+/-0.000 χ^2/NDF : 65908712.9/23

yield_bpm0l08X_rms vs slug



Right In: 0.015+/-0.000 χ^2/NDF : 380310.1/12

Left Out: 0.014+/-0.000 χ^2/NDF :13410.6/9

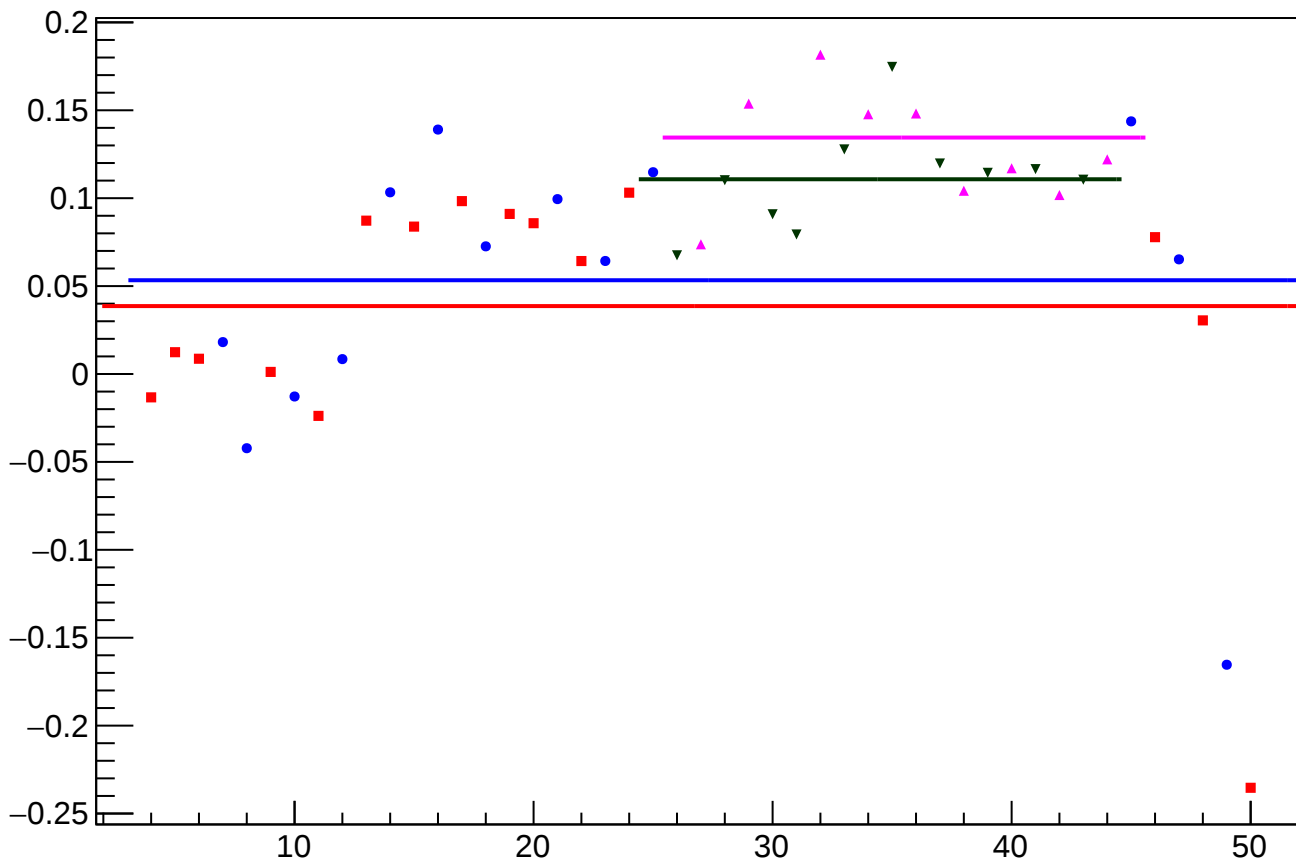
0.014+/-0.000 χ^2/NDF : 421128.7/22

Right Out: 0.015+/-0.000 χ^2/NDF : 294316.4/14

0.014+/-0.000 χ^2/NDF : 365339.7/23

Left In: 0.014+/-0.000 χ^2/NDF :10776.7/8

yield_bpm0l08Y_mean vs slug



Right In: 0.053+/-0.000 χ^2/NDF : 4190134050.3/12

Left Out: 0.111+/-0.000 χ^2/NDF : 325634113.5/9

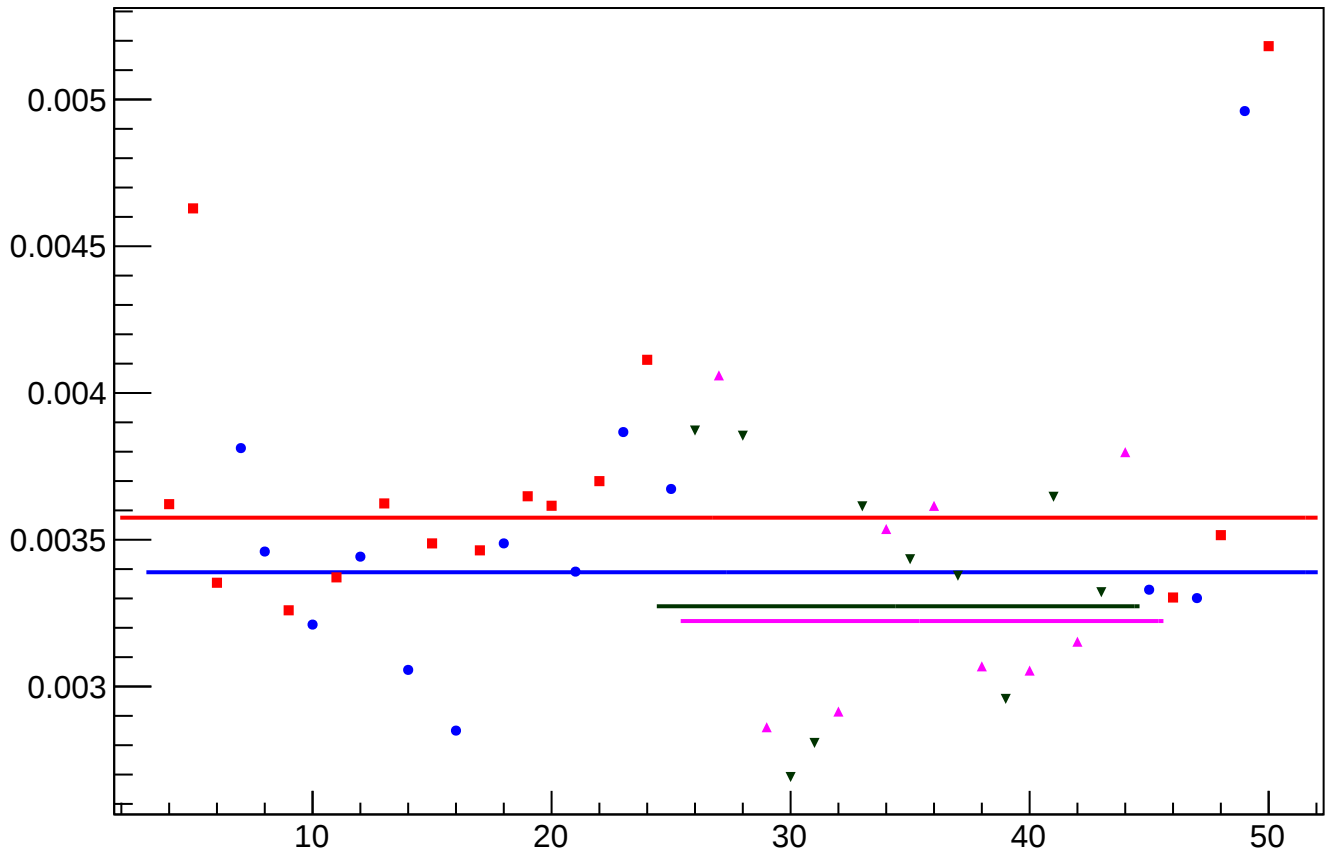
0.077+/-0.000 χ^2/NDF : 5435528166.1/22

Right Out: 0.039+/-0.000 χ^2/NDF : 2641669508.5/14

0.084+/-0.000 χ^2/NDF : 5717684068.8/23

Left In: 0.134+/-0.000 χ^2/NDF : 584141111.2/8

yield_bpm0l08Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 268132.3/12

Left Out: 0.003+/-0.000 χ^2/NDF :157067.3/9

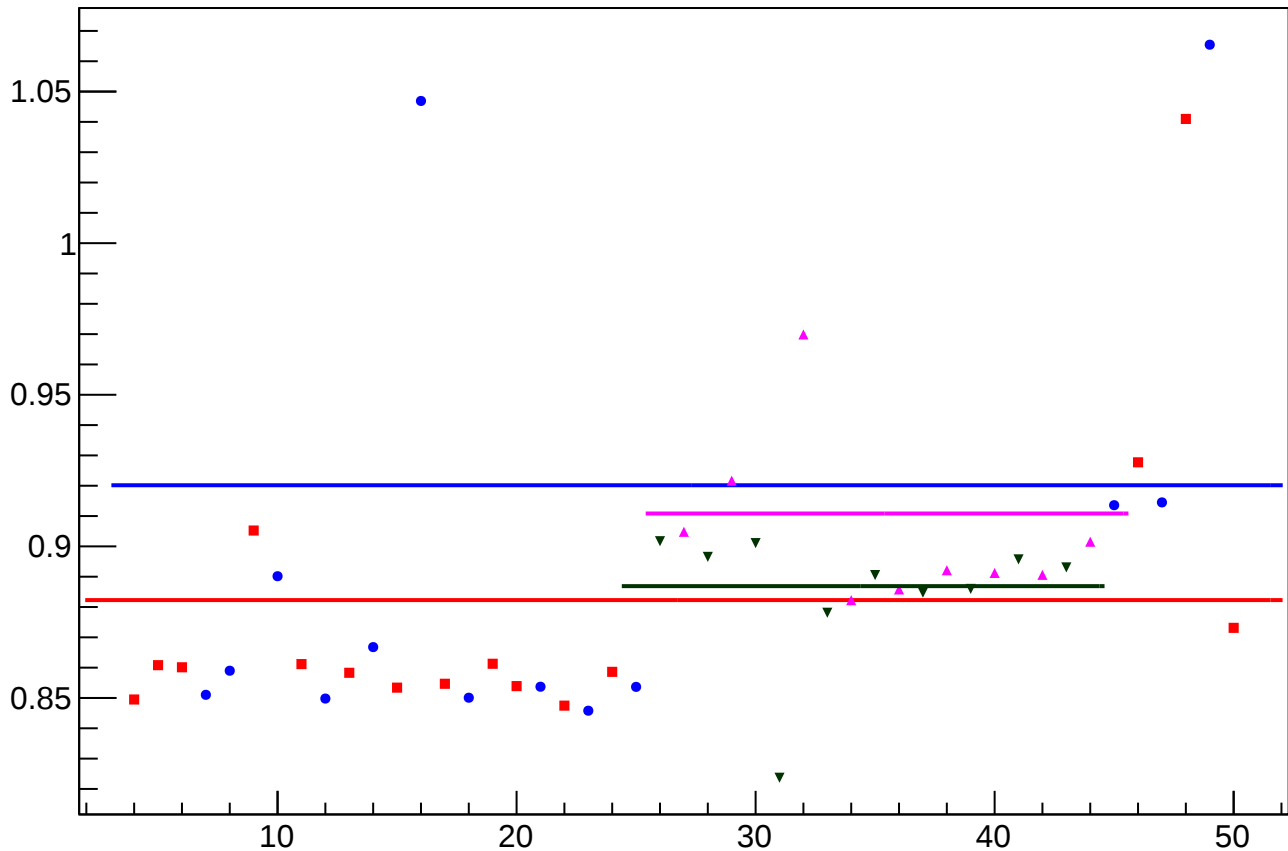
Right Out: 0.004+/-0.000 χ^2/NDF : 162459.3/14

Left In: 0.003+/-0.000 χ^2/NDF :163315.9/8

0.003+/-0.000 χ^2/NDF : 432692.0/22

0.003+/-0.000 χ^2/NDF : 393052.1/23

yield_bpm0l09X_mean vs slug



Right In: 0.920 ± 0.000 χ^2/NDF : 286127226.3/12

Left Out: 0.887 ± 0.000 χ^2/NDF : 10371268.3/9

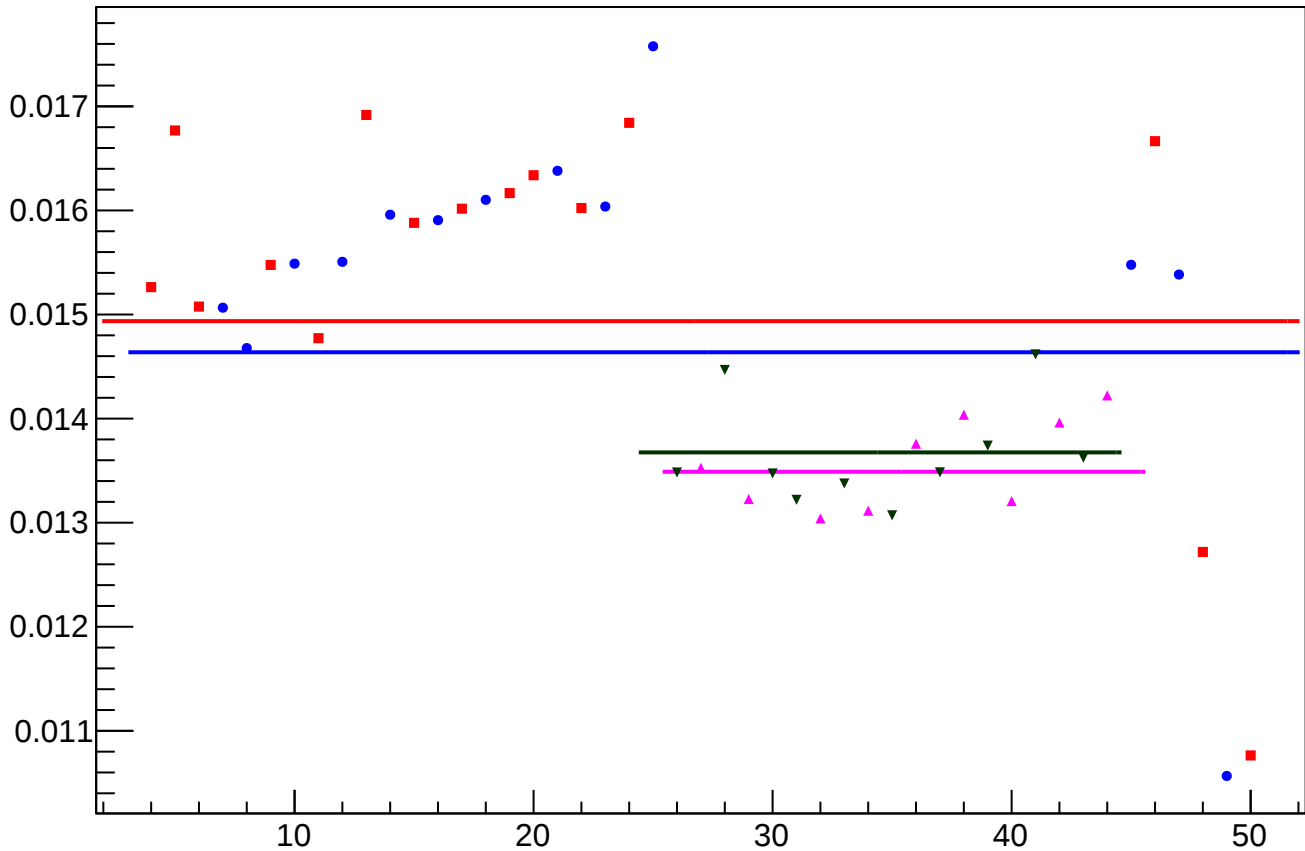
Right Out: 0.882 ± 0.000 χ^2/NDF : 90257472.6/14

Left In: 0.911 ± 0.000 χ^2/NDF : 26013449.3/8

0.906 ± 0.000 χ^2/NDF : 314436248.4/22

0.896 ± 0.000 χ^2/NDF : 129292654.2/23

yield_bpm0l09X_rms vs slug



Right In: 0.015+/-0.000 χ^2/NDF : 338693.8/12

Left Out: 0.014+/-0.000 χ^2/NDF :13316.5/9

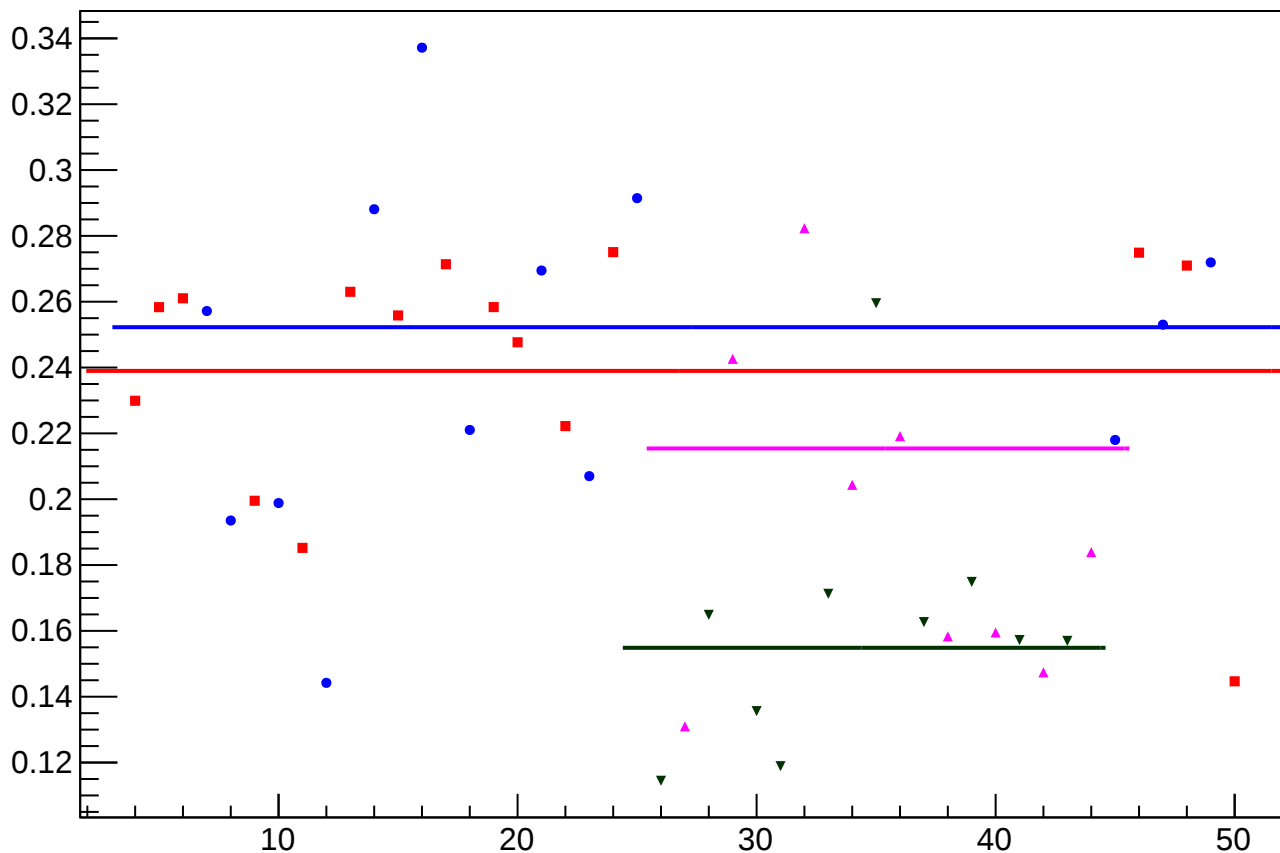
Right Out: 0.015+/-0.000 χ^2/NDF : 260556.4/14

Left In: 0.013+/-0.000 χ^2/NDF :9868.2/8

0.014+/-0.000 χ^2/NDF : 382000.7/22

0.014+/-0.000 χ^2/NDF : 337328.0/23

yield_bpm0l09Y_mean vs slug



Right In: 0.252+/-0.000 χ^2/NDF : 1668307700.9/12

Left Out: 0.155+/-0.000 χ^2/NDF : 491584814.3/9

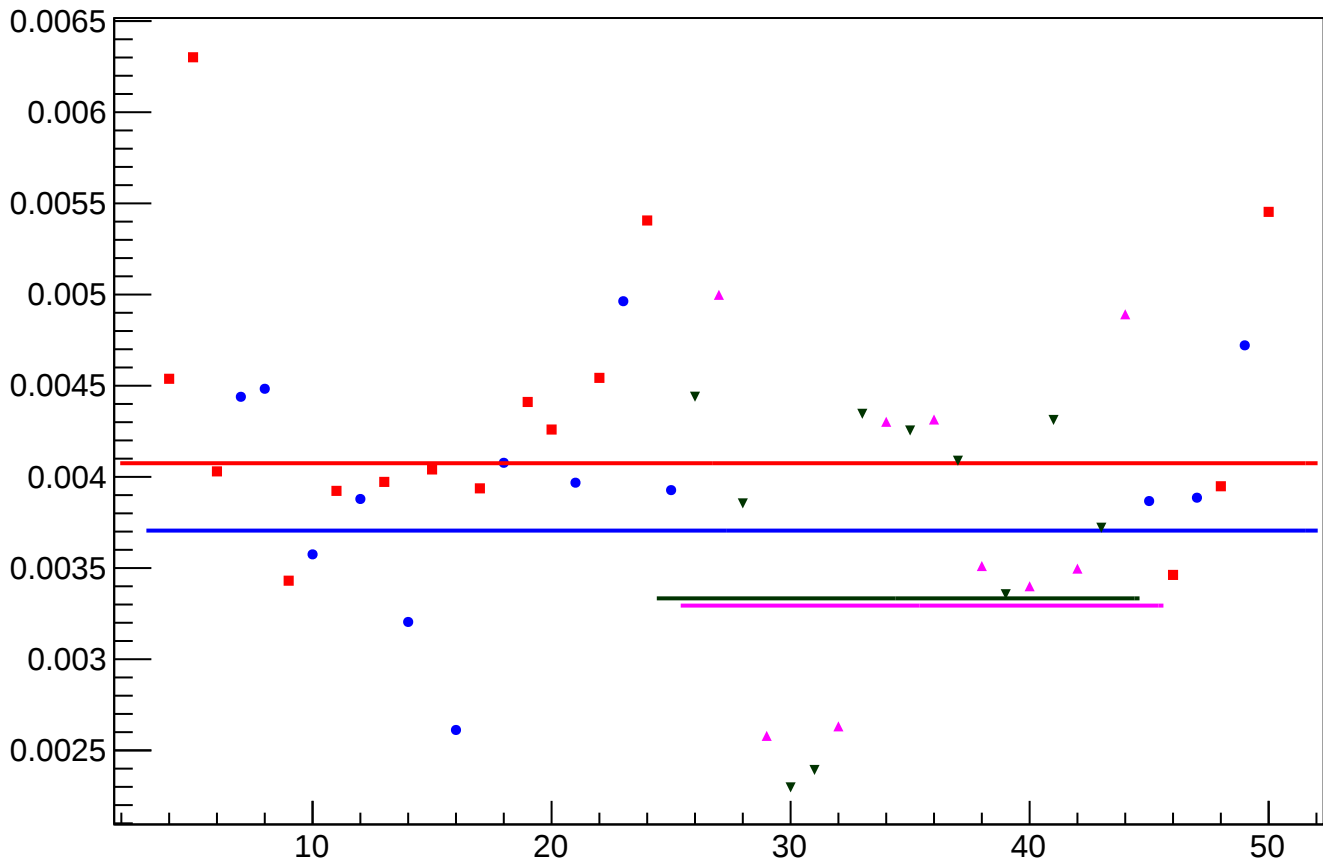
Right Out: 0.239+/-0.000 χ^2/NDF : 563325726.7/14

Left In: 0.215+/-0.000 χ^2/NDF : 1302153804.0/8

0.210+/-0.000 χ^2/NDF : 4427945599.2/22

0.227+/-0.000 χ^2/NDF : 1987257848.6/23

yield_bpm0l09Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 483210.4/12

Left Out: 0.003+/-0.000 χ^2/NDF : 596508.1/9

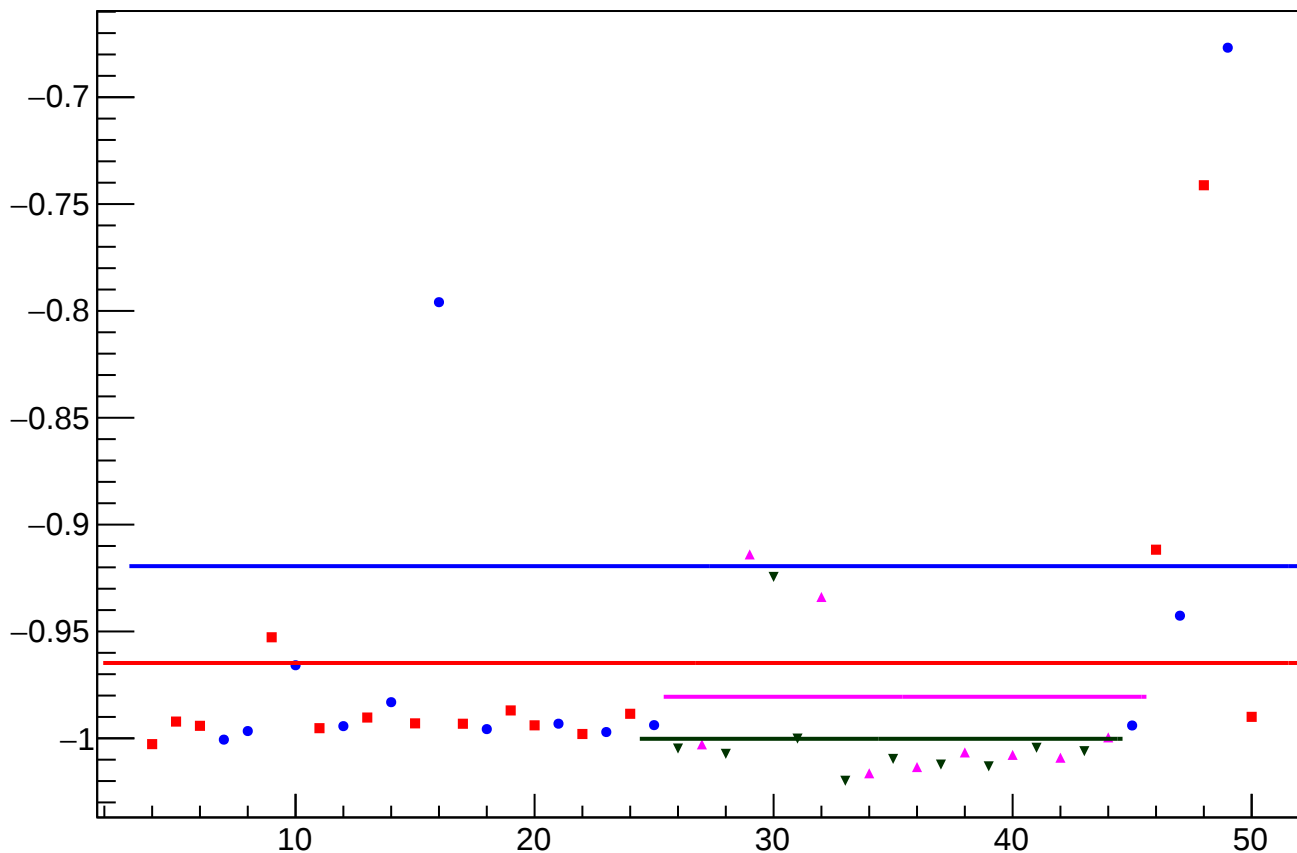
Right Out: 0.004+/-0.000 χ^2/NDF : 254957.5/14

Left In: 0.003+/-0.000 χ^2/NDF : 624356.7/8

0.004+/-0.000 χ^2/NDF : 1145773.1/22

0.004+/-0.000 χ^2/NDF : 1146740.3/23

yield_bpm0l10X_mean vs slug



Right In: -0.919+/-0.000 χ^2/NDF : 584419904.4/12

Left Out: -1.000+/-0.000 χ^2/NDF : 20984094.7/9

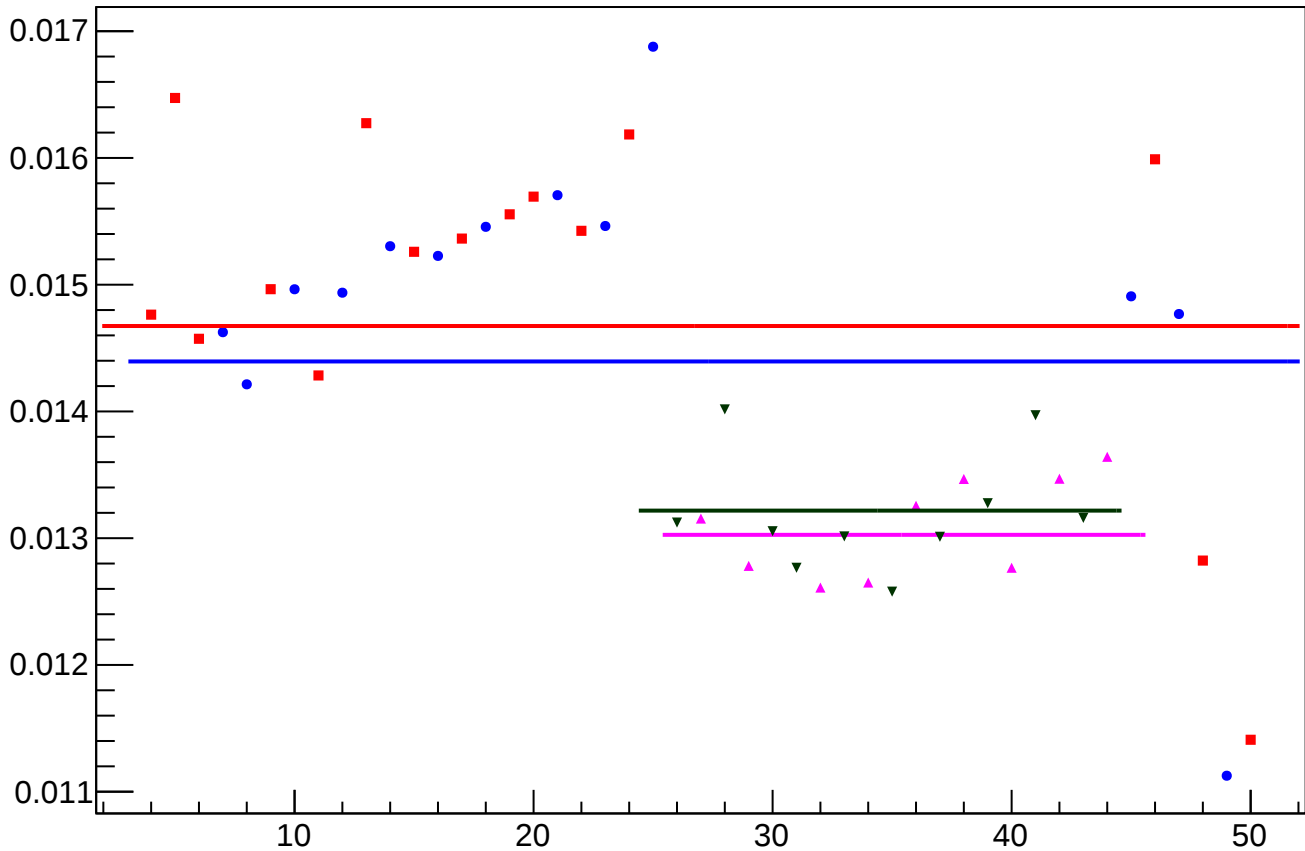
Right Out: -0.965+/-0.000 χ^2/NDF : 166212740.7/14

Left In: -0.981+/-0.000 χ^2/NDF : 51761164.5/8

-0.955+/-0.000 χ^2/NDF : 717166124.6/22

-0.972+/-0.000 χ^2/NDF : 222191384.2/23

yield_bpm0l10X_rms vs slug



Right In: 0.014+/-0.000 χ^2/NDF : 196061.9/12

Left Out: 0.013+/-0.000 χ^2/NDF :12265.8/9

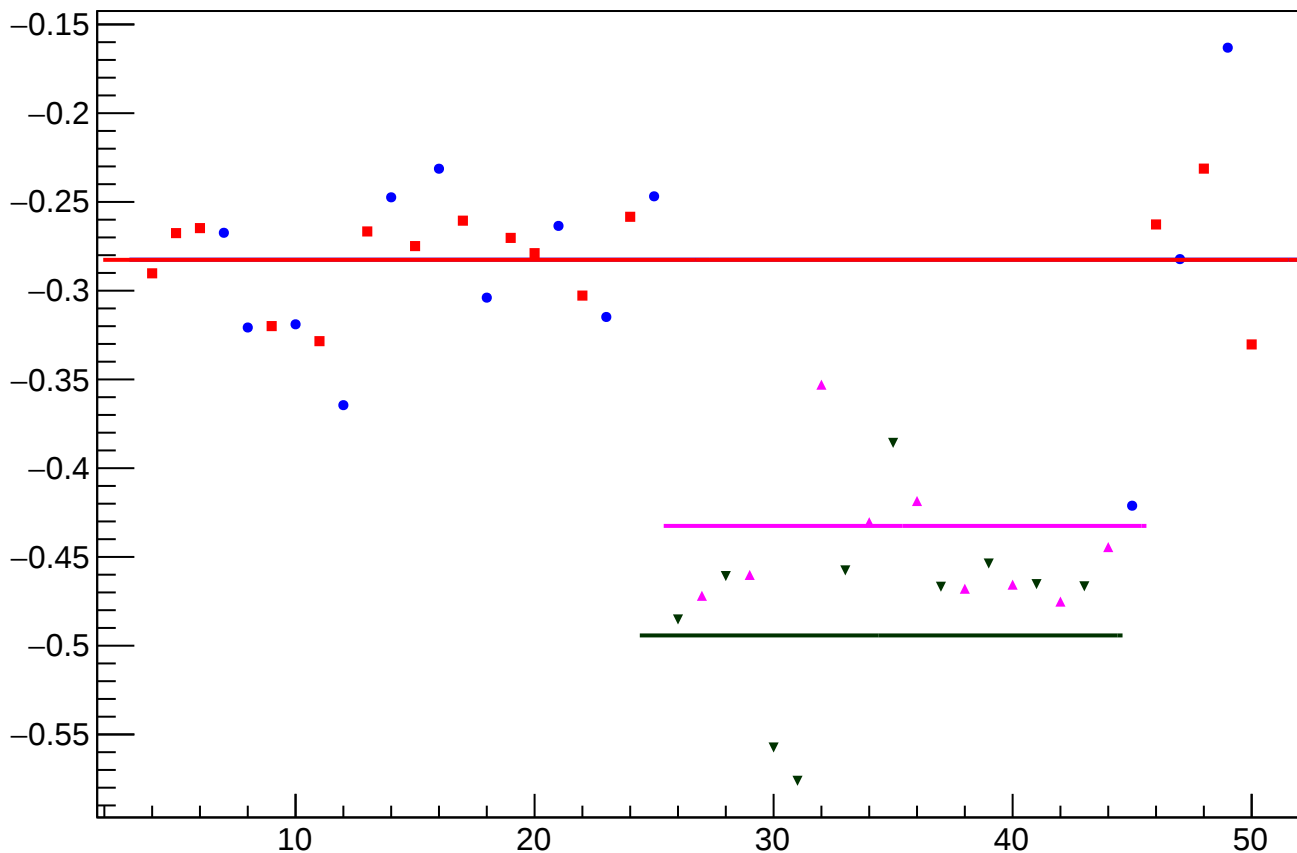
Right Out: 0.015+/-0.000 χ^2/NDF : 152296.7/14

Left In: 0.013+/-0.000 χ^2/NDF :8570.4/8

0.014+/-0.000 χ^2/NDF : 255749.4/22

0.014+/-0.000 χ^2/NDF : 252446.5/23

yield_bpm0l10Y_mean vs slug



Right In: -0.283+/-0.000 χ^2/NDF : 2483723899.7/12

Left Out: -0.494+/-0.000 χ^2/NDF : 1568805763.5/9

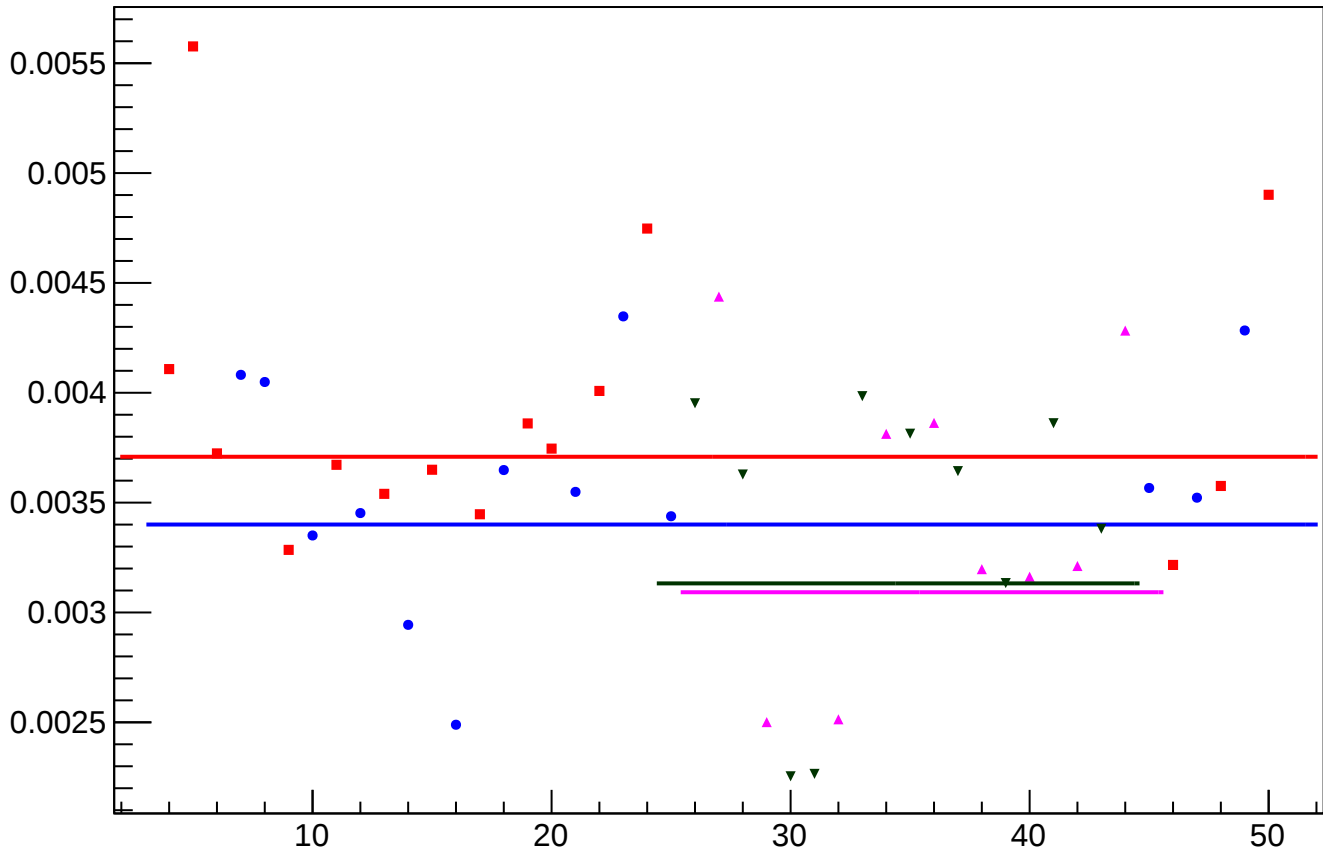
Right Out: -0.283+/-0.000 χ^2/NDF : 434044468.4/14

Left In: -0.433+/-0.000 χ^2/NDF : 1186728653.8/8

-0.371+/-0.000 χ^2/NDF : 16674980459.5/22

-0.359+/-0.000 χ^2/NDF : 7504838187.0/23

yield_bpm0l10Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 392806.8/12

Left Out: 0.003+/-0.000 χ^2/NDF : 463941.8/9

Right Out: 0.004+/-0.000 χ^2/NDF : 200246.8/14

Left In: 0.003+/-0.000 χ^2/NDF : 472745.5/8

0.003+/-0.000 χ^2/NDF : 897184.9/22

0.003+/-0.000 χ^2/NDF : 872166.2/23