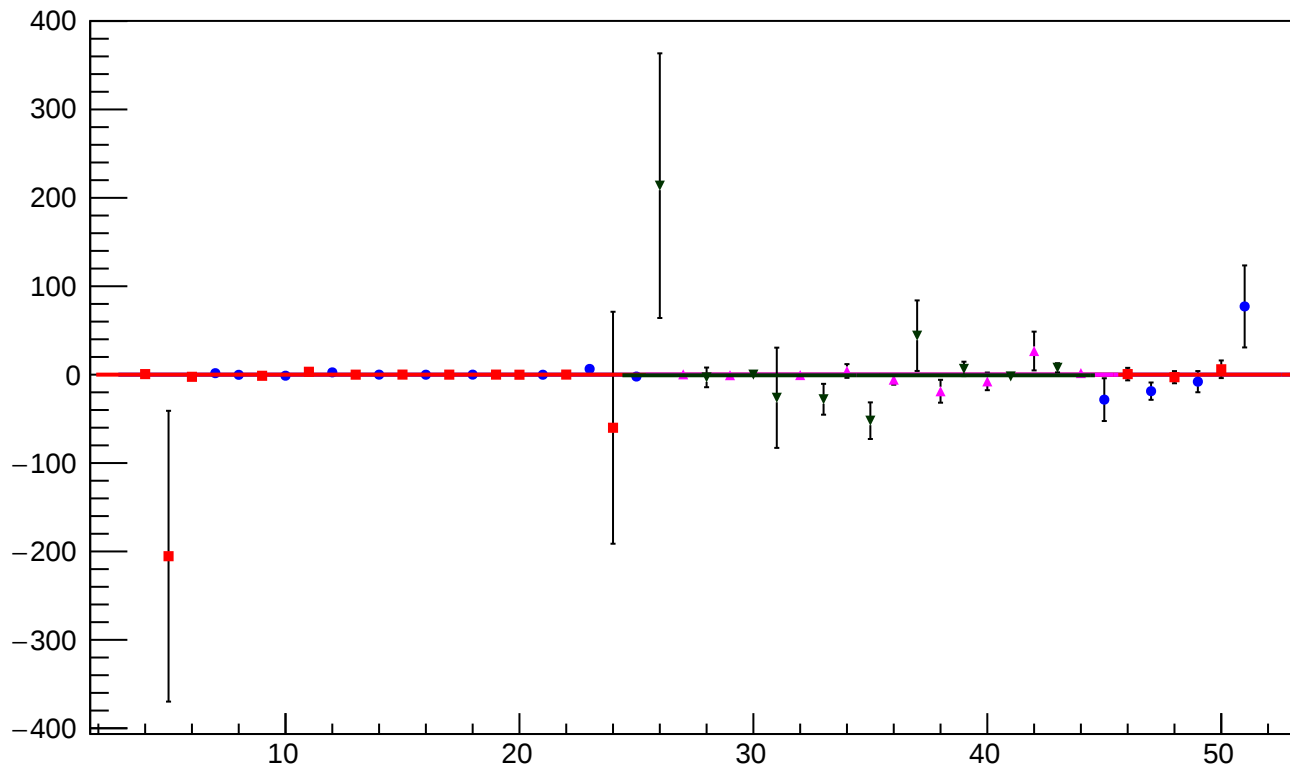


diff_cav4bX_mean vs slug



Right In: -0.014 ± 0.014

Left Out: -0.705 ± 1.554

Right Out: 0.017 ± 0.016

Left In: -0.086 ± 0.168

$\chi^2/\text{NDF}: 26.2/13$

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

$\chi^2/\text{NDF}: 19.9/14$

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

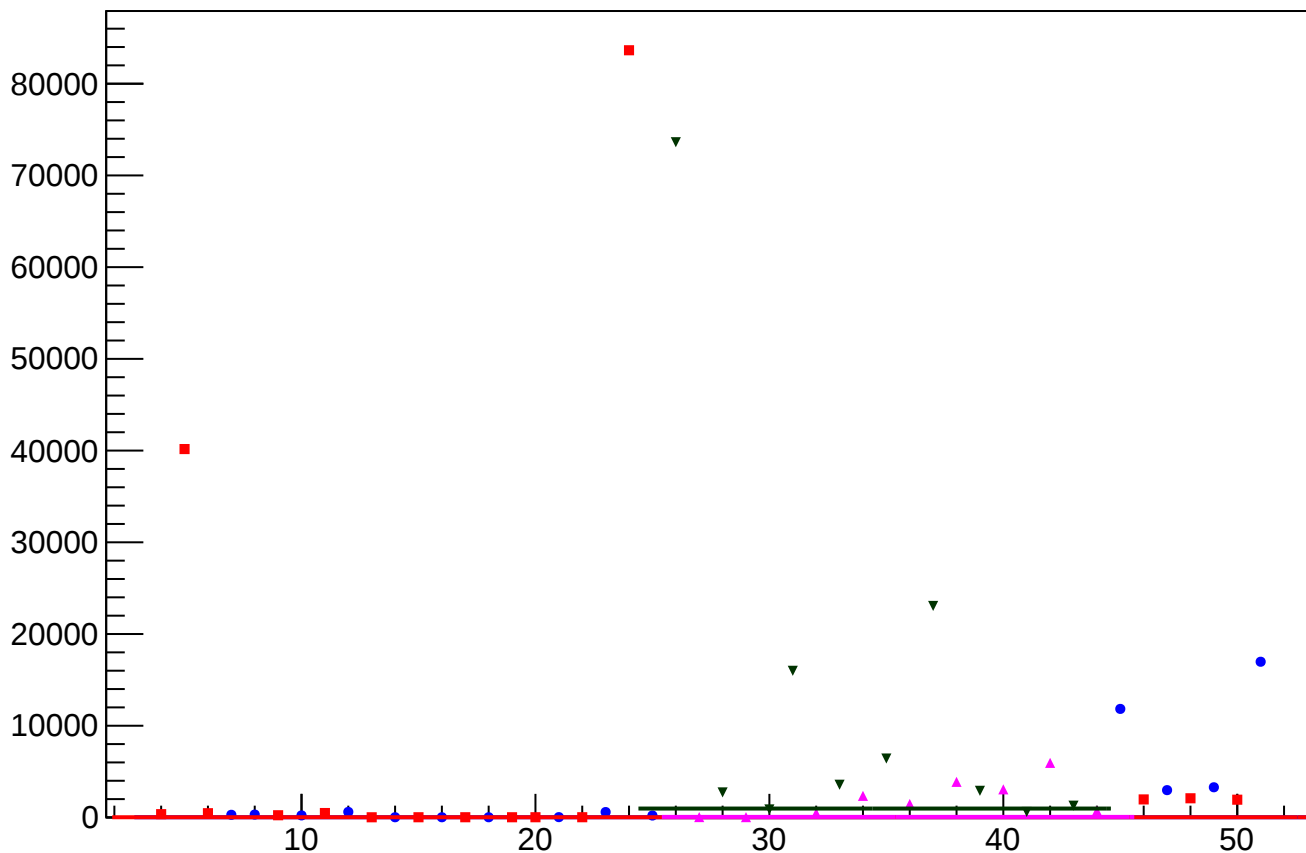
-0.014 ± 0.014

0.016 ± 0.016

$\chi^2/\text{NDF}: 42.4/23$

$\chi^2/\text{NDF}: 35.7/23$

diff_cav4bX_rms vs slug



Right In: 22.415+/-0.010 χ^2/NDF : 1845623.2/13

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

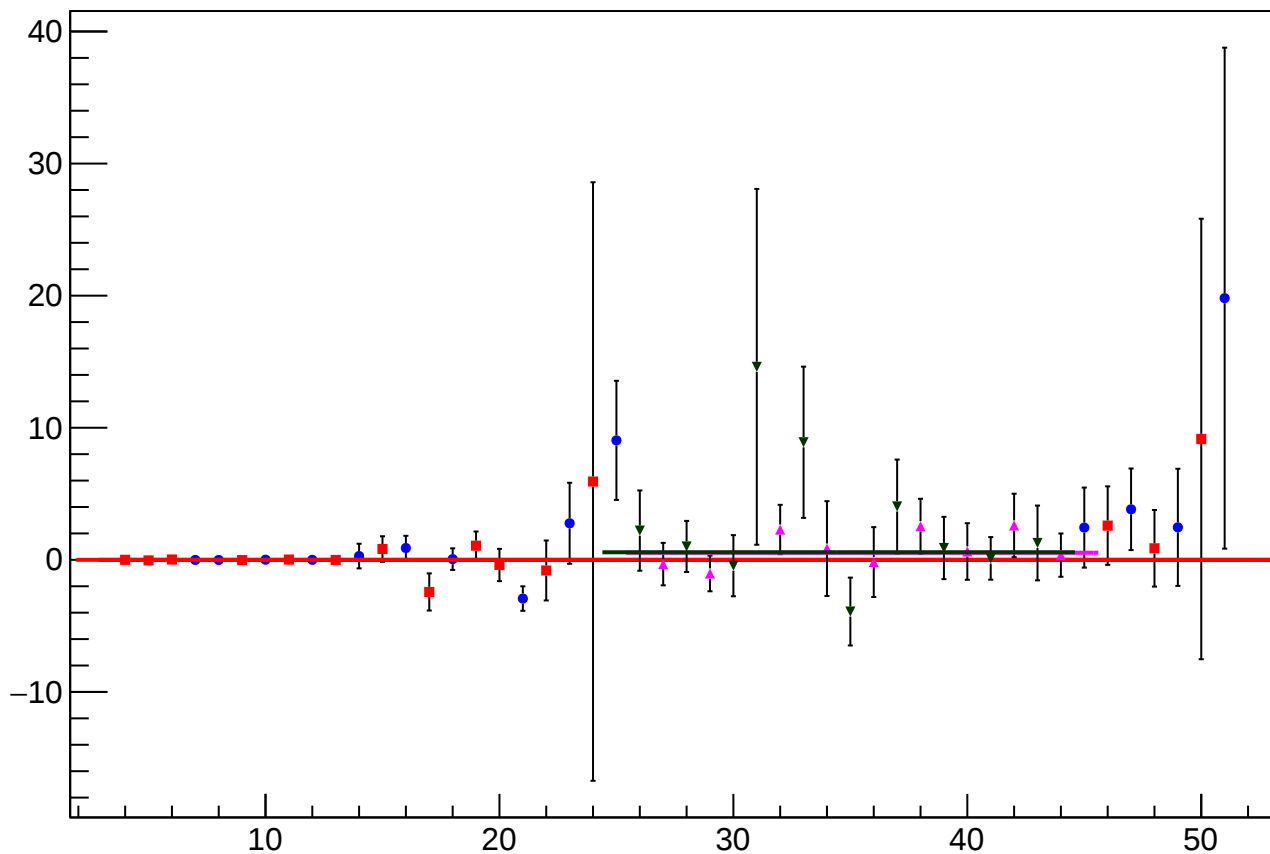
Right Out: 22.602+/-0.011 χ^2/NDF : 1815386.3/14

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

22.496+/-0.010 χ^2/NDF : 4235700.2/23

22.957+/-0.011 χ^2/NDF : 3494056.0/23

diff_cav4bY_mean vs slug



Right In: -0.001 ± 0.006 χ^2/NDF : 21.8/13

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

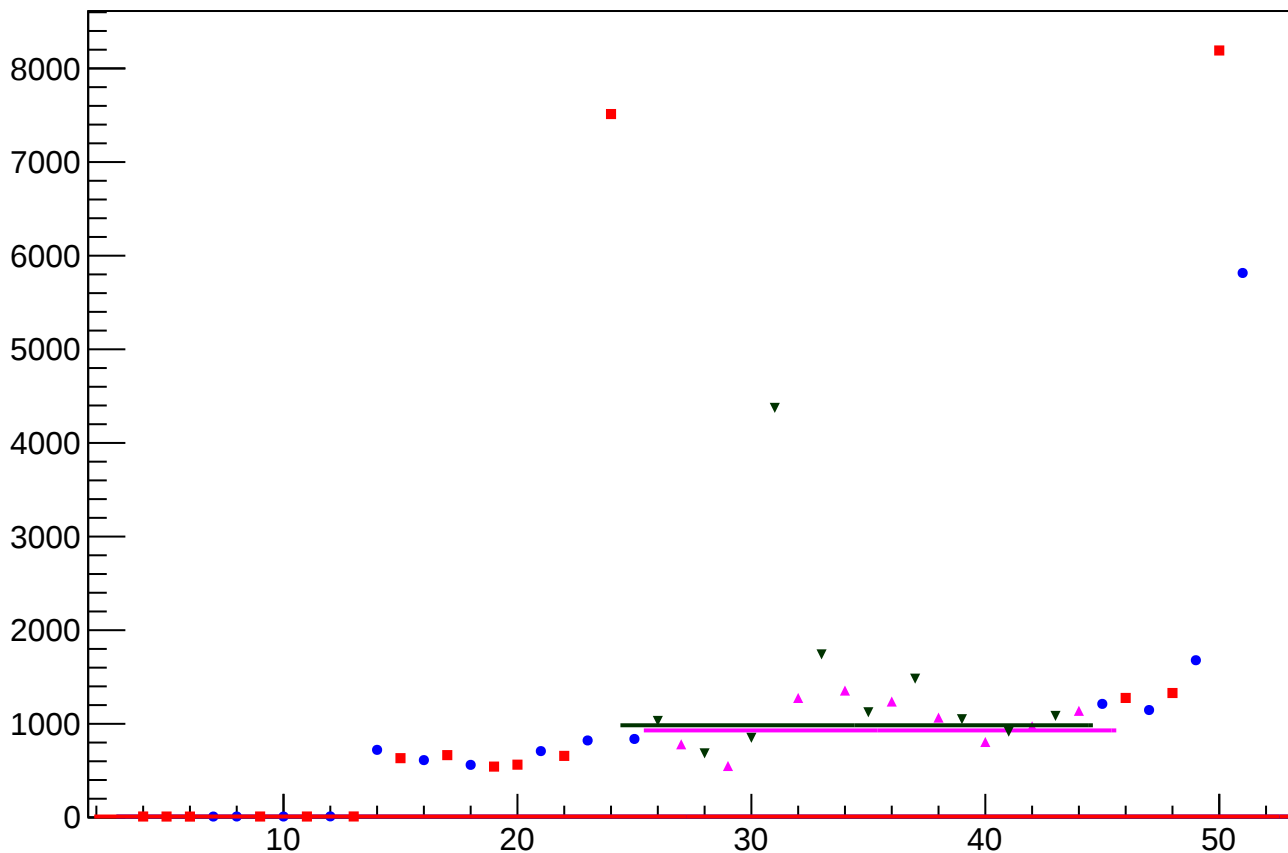
Right Out: 0.002 ± 0.005 χ^2/NDF : 18.1/14

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

-0.001 ± 0.006 χ^2/NDF : 30.2/23

0.002 ± 0.005 χ^2/NDF : 23.1/23

diff_cav4bY_rms vs slug



Right In: 10.505+/-0.005 χ^2/NDF : 5334636.5/13

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

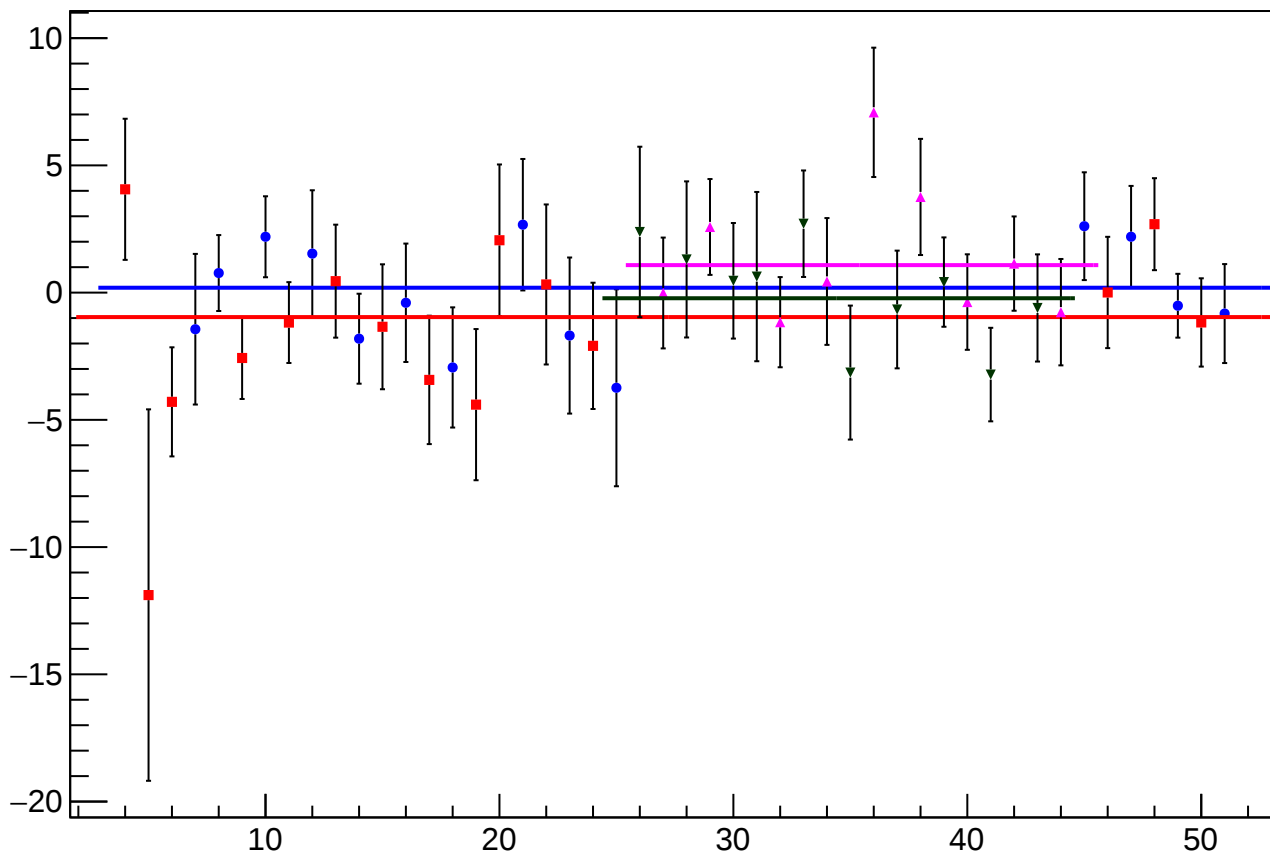
Right Out: 10.084+/-0.004 χ^2/NDF : 3821760.8/14

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

10.567+/-0.005 χ^2/NDF : 8484768.9/23

10.150+/-0.004 χ^2/NDF : 8296912.5/23

diff_cav4cX_mean vs slug



Right In: 0.192 ± 0.534 χ^2/NDF : 10.7/13

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

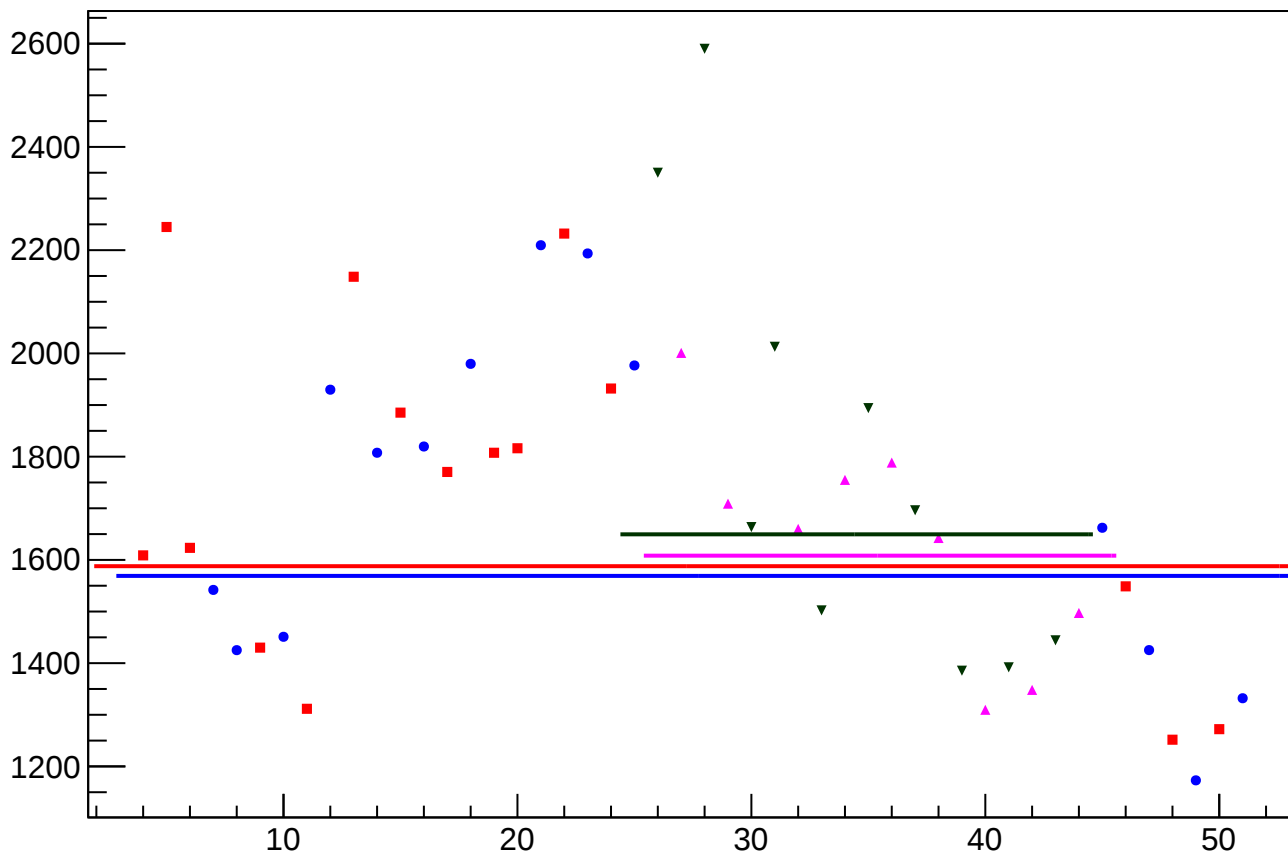
Right Out: -0.962 ± 0.576 χ^2/NDF : 17.4/14

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

0.047 ± 0.431 χ^2/NDF : 17.9/23

-0.117 ± 0.441 χ^2/NDF : 33.5/23

diff_cav4cX_rms vs slug



Right In: 1569.036 $\pm$ 0.378 χ^2 /NDF: 663465.6/13

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

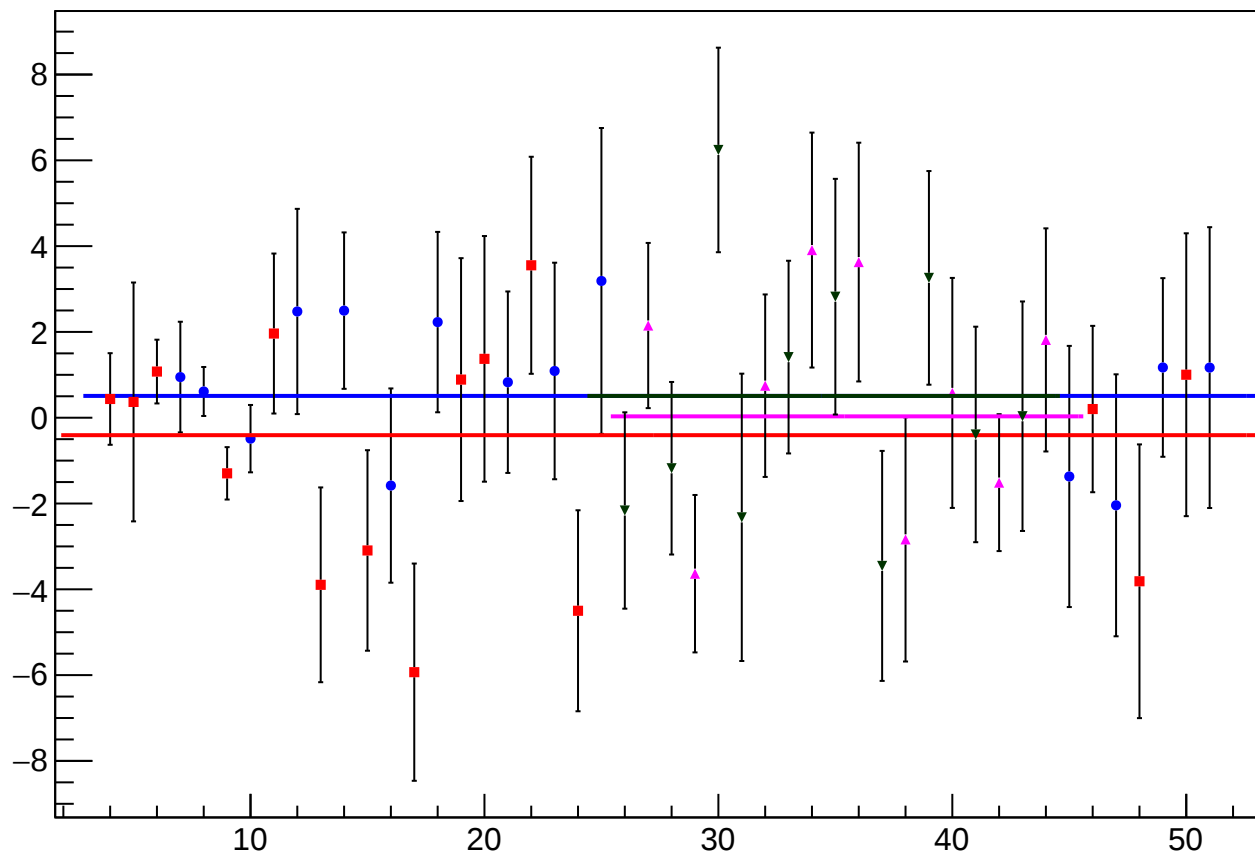
Right Out: 1587.844 $\pm$ 0.407 χ^2 /NDF: 545166.2/14

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

1597.215 $\pm$ 0.305 χ^2 /NDF: 1110312.9/23

1596.275 $\pm$ 0.312 χ^2 /NDF: 731804.4/23

diff_cav4cY_mean vs slug



Right In: 0.508 ± 0.373 χ^2/NDF : 7.0/13

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

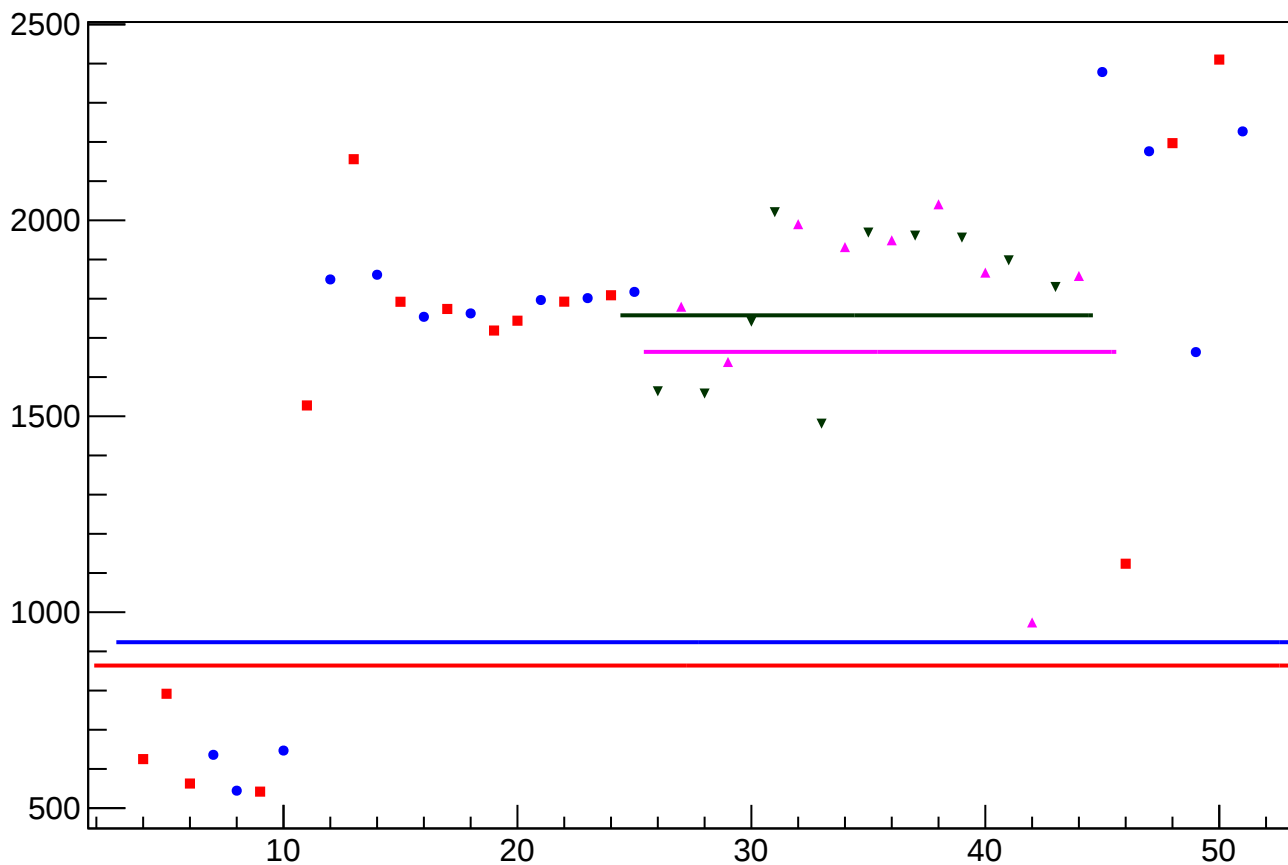
Right Out: -0.407 ± 0.369 χ^2/NDF : 24.4/14

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

0.508 ± 0.337 χ^2/NDF : 20.0/23

-0.319 ± 0.329 χ^2/NDF : 36.1/23

diff_cav4cY_rms vs slug



Right In: 923.424+/-0.264 χ^2/NDF : 4716083.0/13

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

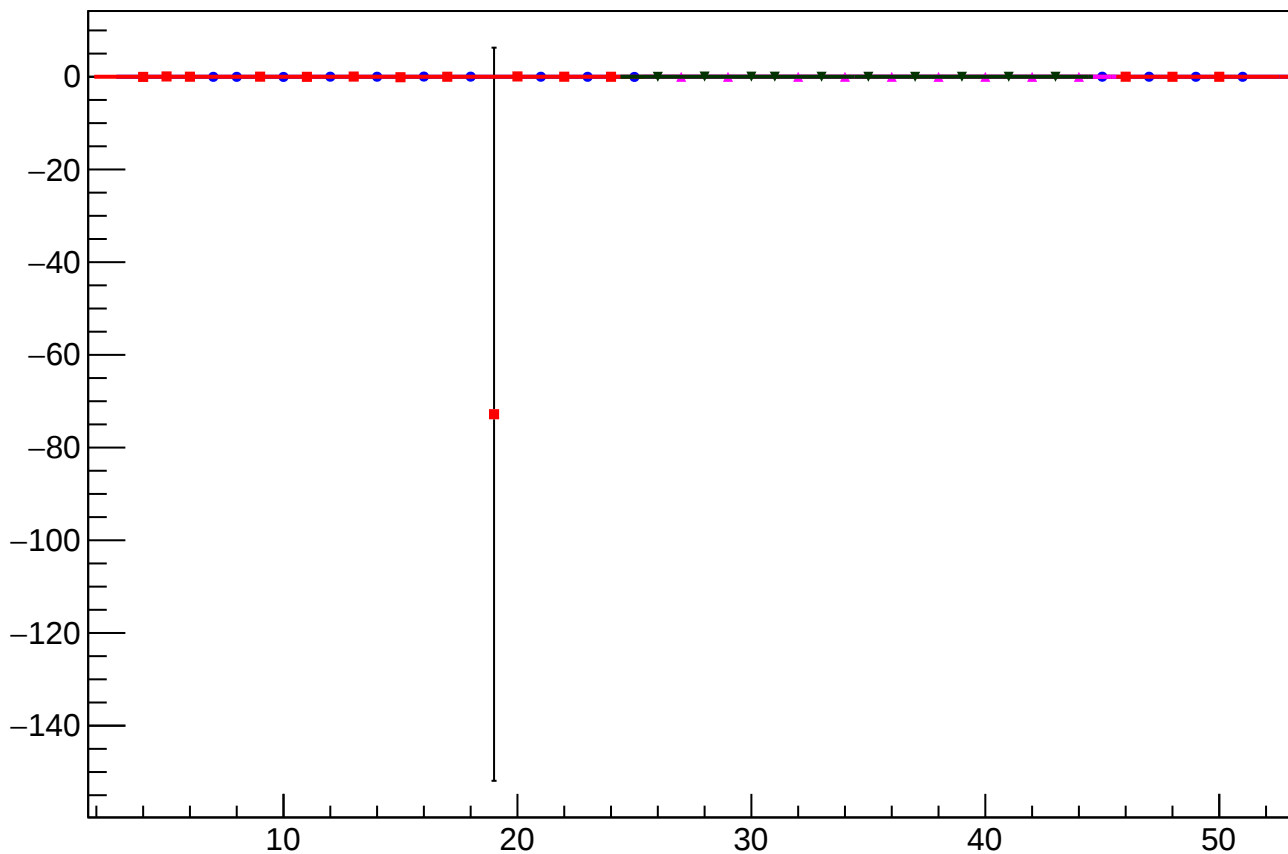
Right Out: 863.866+/-0.261 χ^2/NDF : 4251482.6/14

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

1077.888+/-0.238 χ^2/NDF : 6688064.0/23

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

diff_cav4dX_mean vs slug



Right In: 0.001 $\pm$ 0.005 χ^2 /NDF: 8.7/13

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

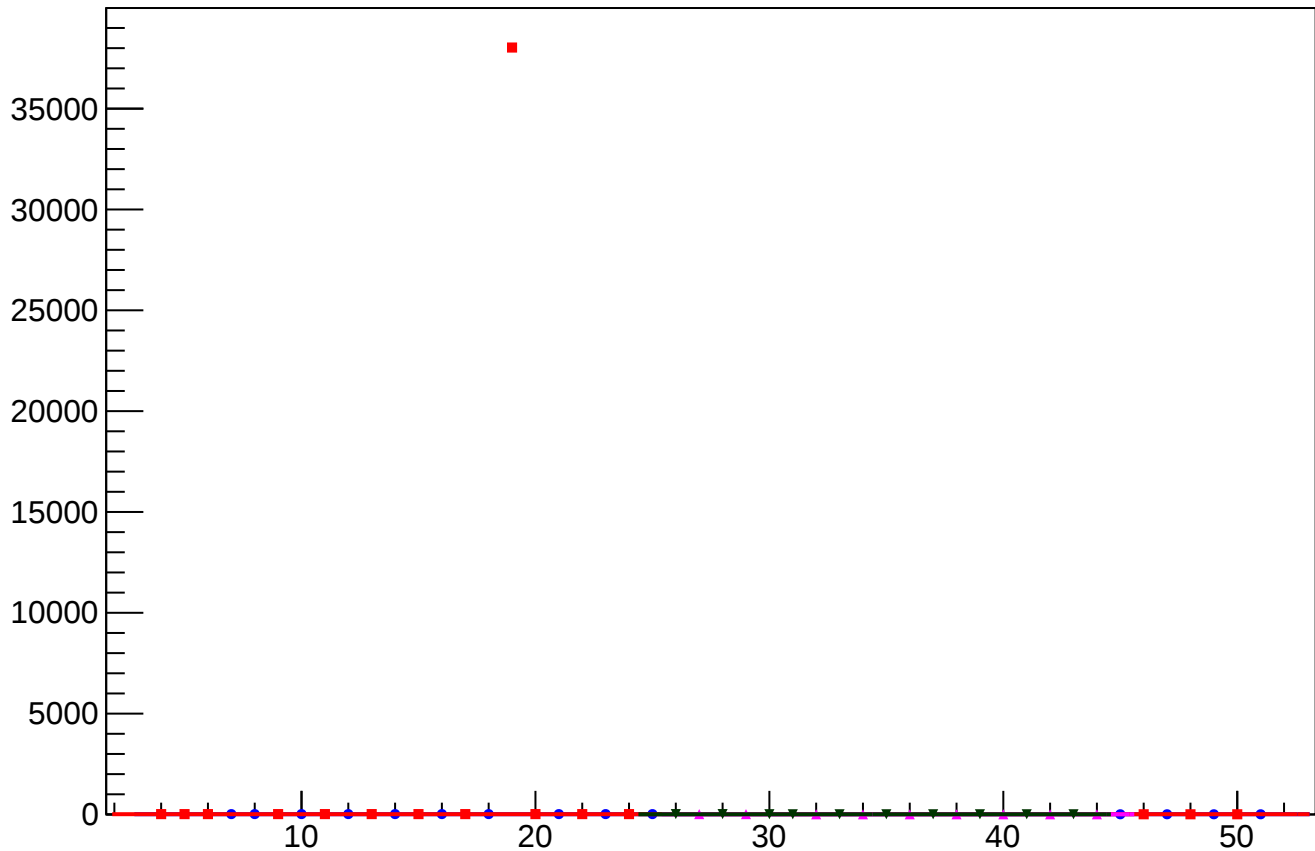
Right Out: 0.006 $\pm$ 0.005 χ^2 /NDF: 12.7/14

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

0.001 $\pm$ 0.003 χ^2 /NDF: 17.3/23

0.000 $\pm$ 0.003 χ^2 /NDF: 16.0/23

diff_cav4dX_rms vs slug



Right In: 11.718 $\pm$ 0.003 χ^2 /NDF: 1639499.1/13

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

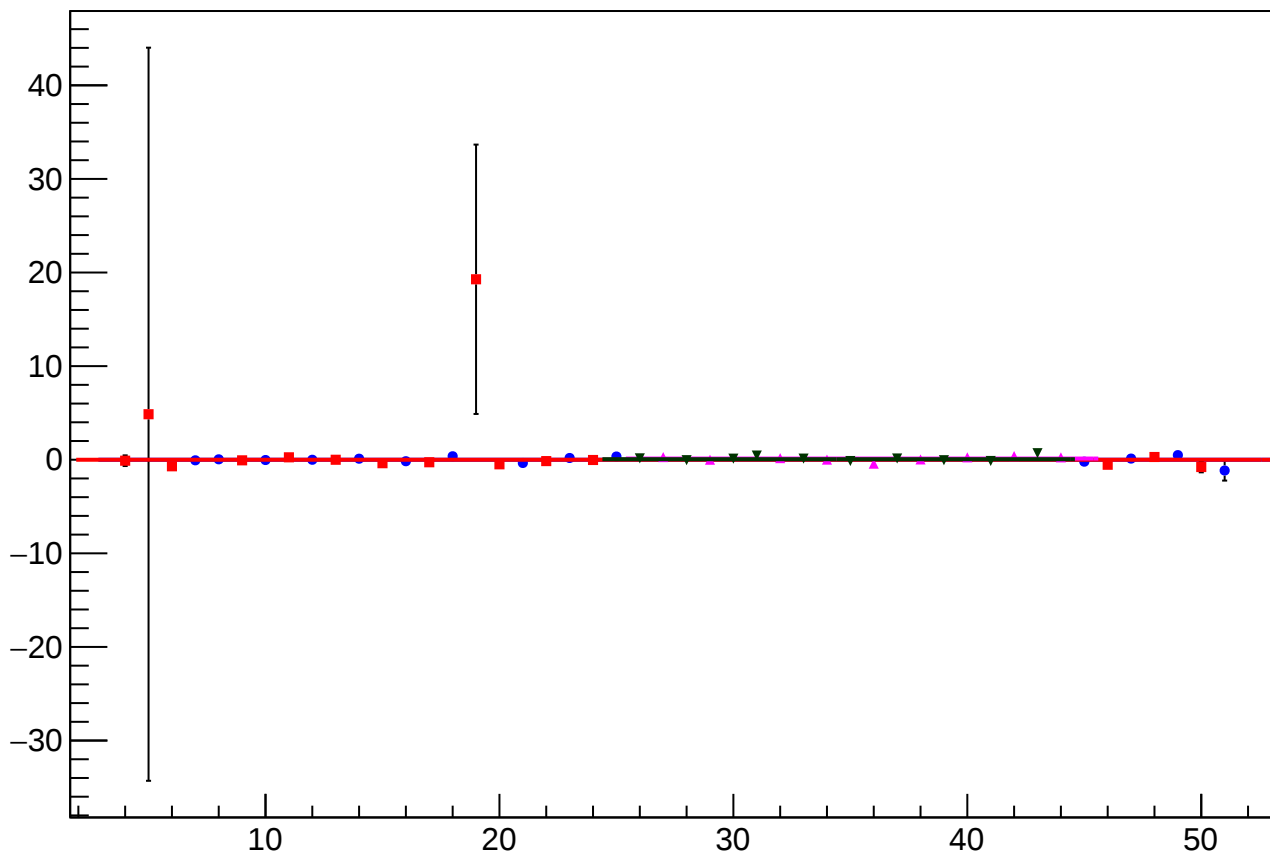
Right Out: 12.719 $\pm$ 0.004 χ^2 /NDF: 1811598.0/14

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

10.425 $\pm$ 0.002 χ^2 /NDF: 2522018.7/23

10.606 $\pm$ 0.002 χ^2 /NDF: 3060434.6/23

diff_cav4dY_mean vs slug



Right In: -0.003+/-0.003 χ^2 /NDF: 19.4/13

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

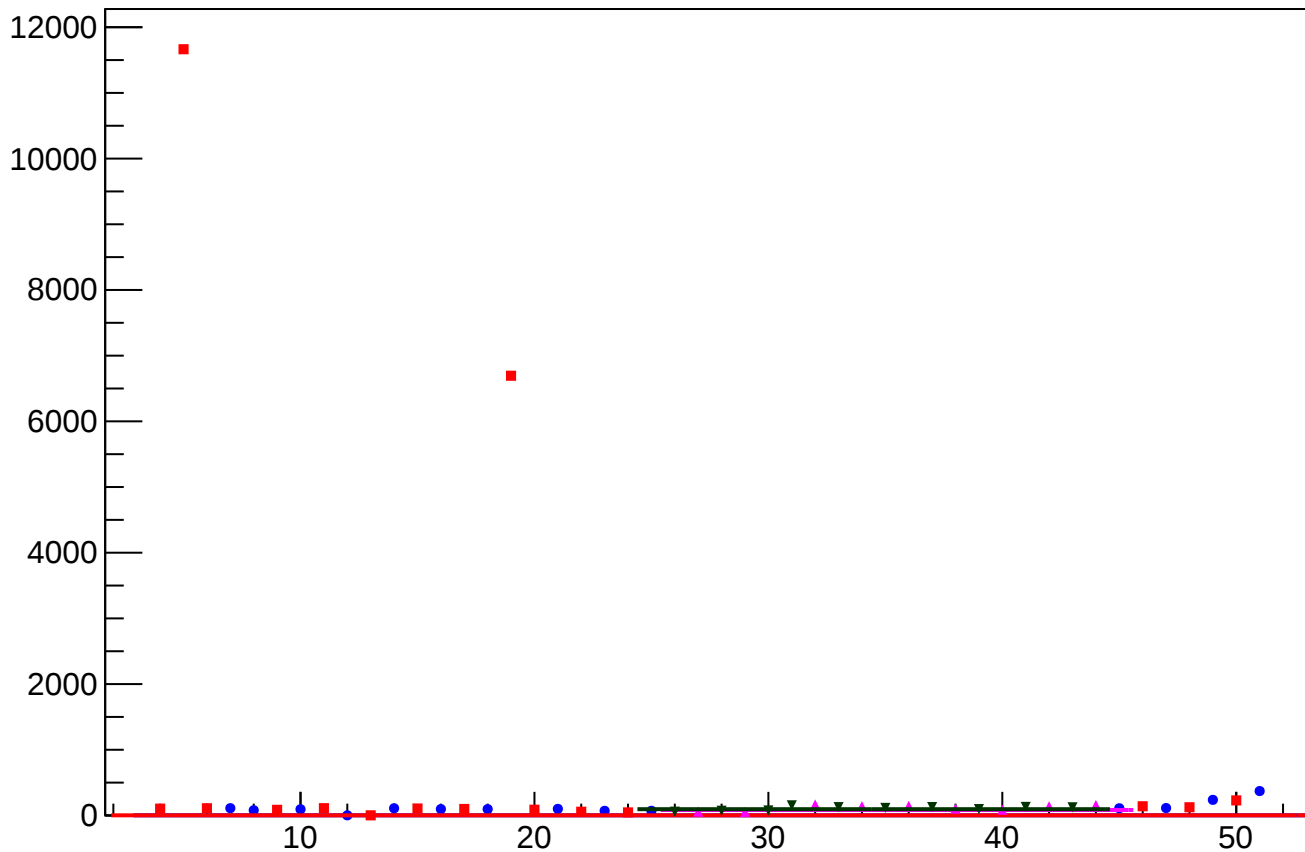
Right Out: -0.003+/-0.003 χ^2 /NDF: 18.1/14

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

-0.002+/-0.003 χ^2 /NDF: 31.9/23

-0.002+/-0.003 χ^2 /NDF: 33.8/23

diff_cav4dY_rms vs slug



Right In: 2.207+/-0.002 χ^2/NDF : 8090603.7/13

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

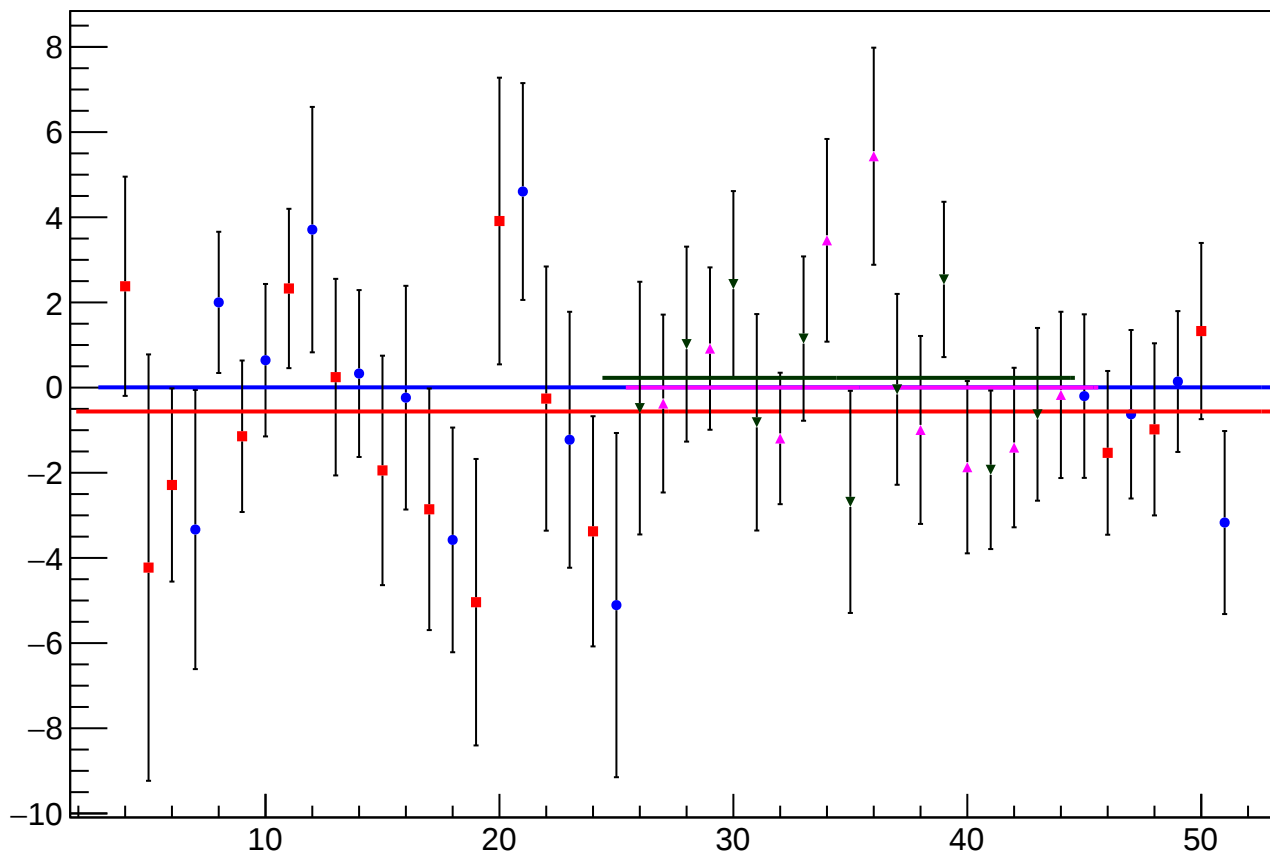
2.468+/-0.002 χ^2/NDF : 13668700.6/23

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

2.352+/-0.002 χ^2/NDF : 11070456.1/23

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

diff_bpm4aX_mean vs slug



Right In: 0.006 ± 0.590 $\chi^2/\text{NDF}: 13.5/13$

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

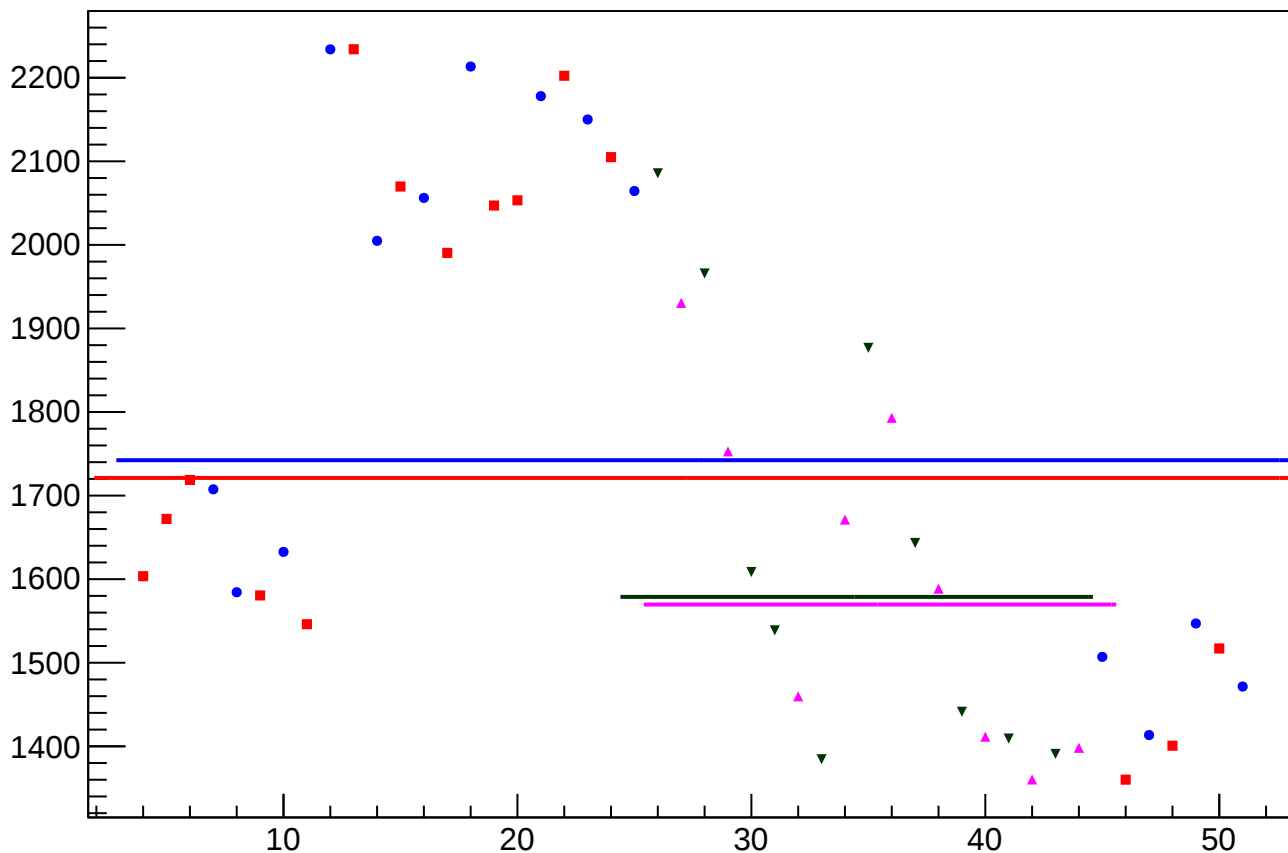
Right Out: -0.561 ± 0.620 $\chi^2/\text{NDF}: 11.7/14$

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

0.100 ± 0.448 $\chi^2/\text{NDF}: 19.5/23$

-0.300 ± 0.454 $\chi^2/\text{NDF}: 21.2/23$

diff_bpm4aX_rms vs slug



Right In: 1742.347+/-0.417 χ^2/NDF : 465329.0/13

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

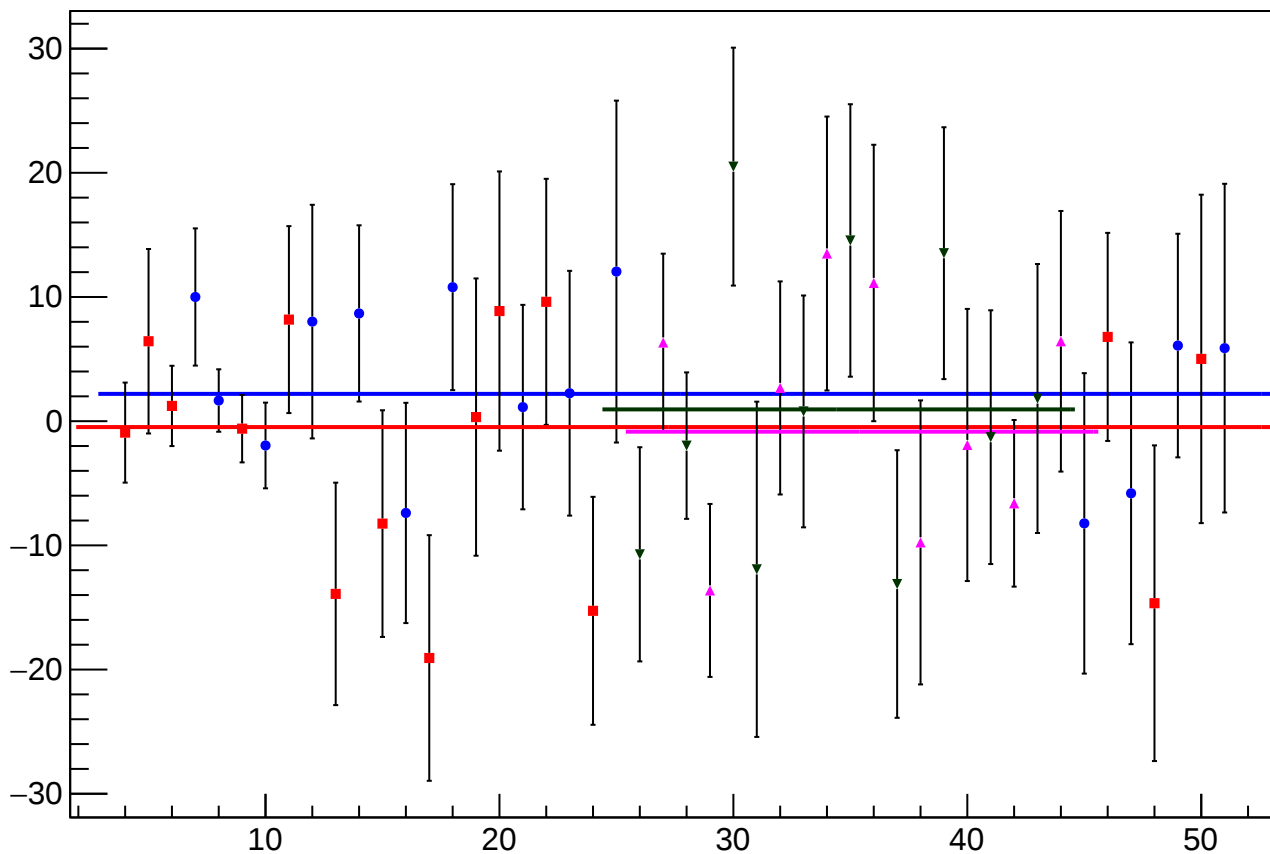
Right Out: 1721.169+/-0.438 χ^2/NDF : 451671.8/14

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

1672.975+/-0.317 χ^2/NDF : 740080.5/23

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

diff_bpm4aY_mean vs slug



Right In: 2.198 ± 1.591 χ^2/NDF : 8.9/13

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

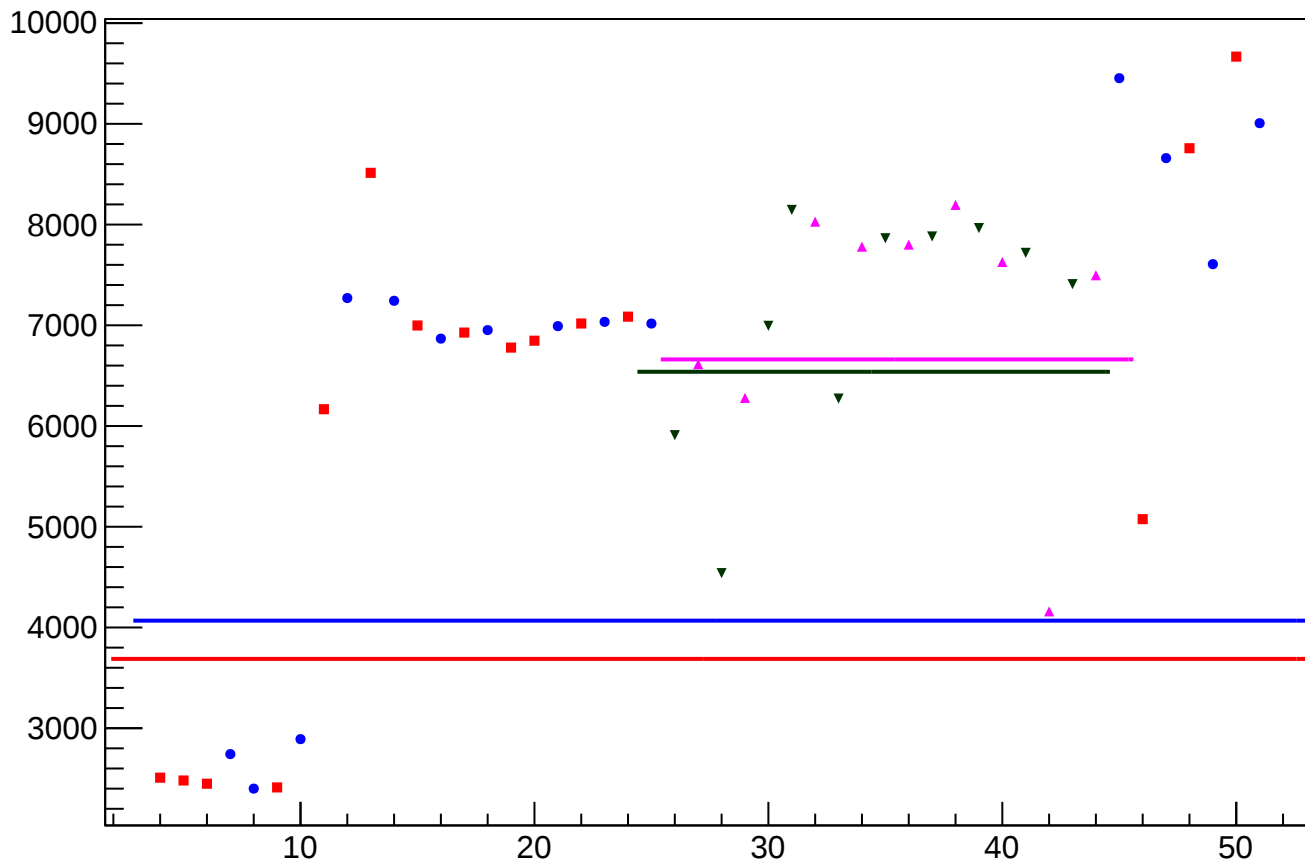
Right Out: -0.475 ± 1.529 χ^2/NDF : 15.5/14

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

1.917 ± 1.400 χ^2/NDF : 21.0/23

-0.555 ± 1.355 χ^2/NDF : 24.7/23

diff_bpm4aY_rms vs slug



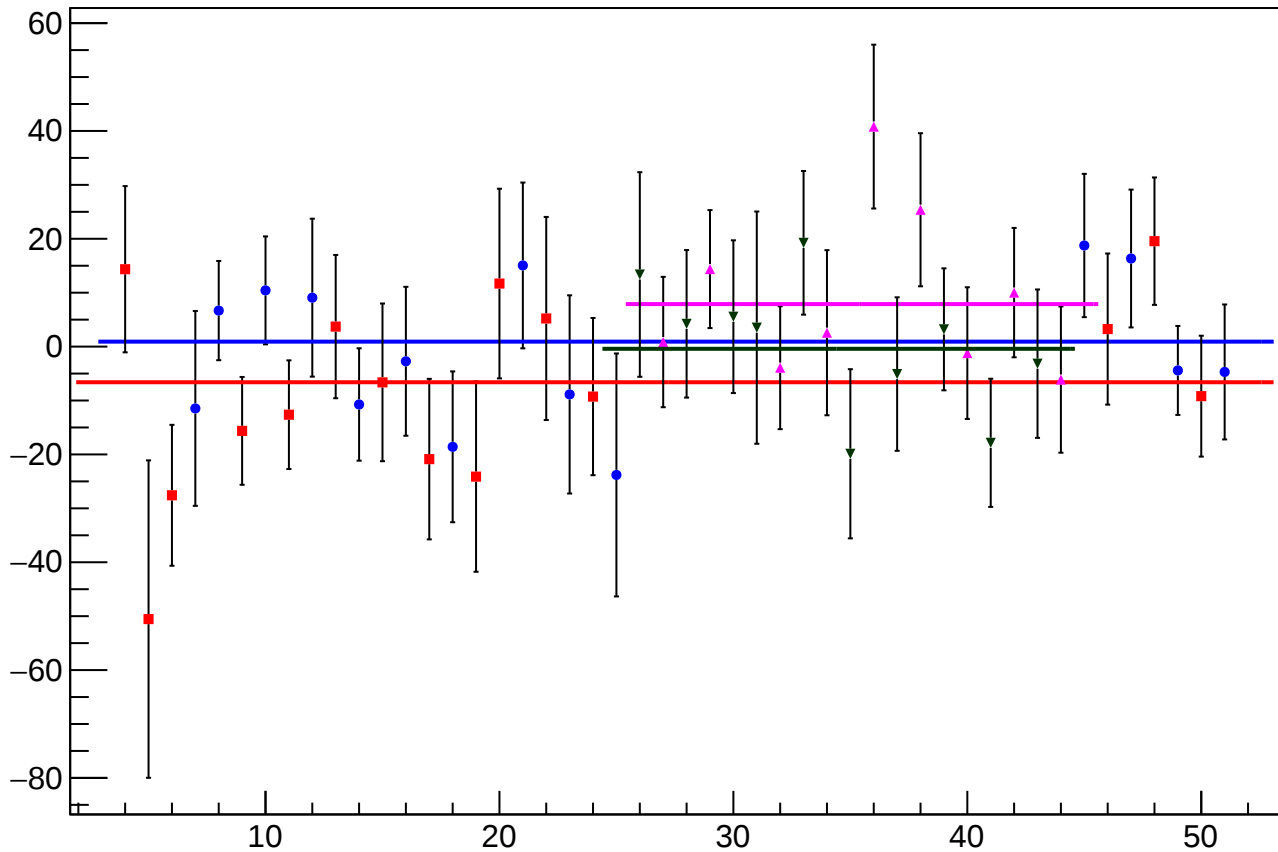
Right In: 4067.732 $\pm$ 1.125 χ^2/NDF : 4095919.2/13

Left Out: 4623.929 $\pm$ 0.990 χ^2/NDF : 5596826.3/23

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

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

diff_bpm4eX_mean vs slug



Right In: 0.921 ± 3.314 χ^2/NDF : 11.5/13

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

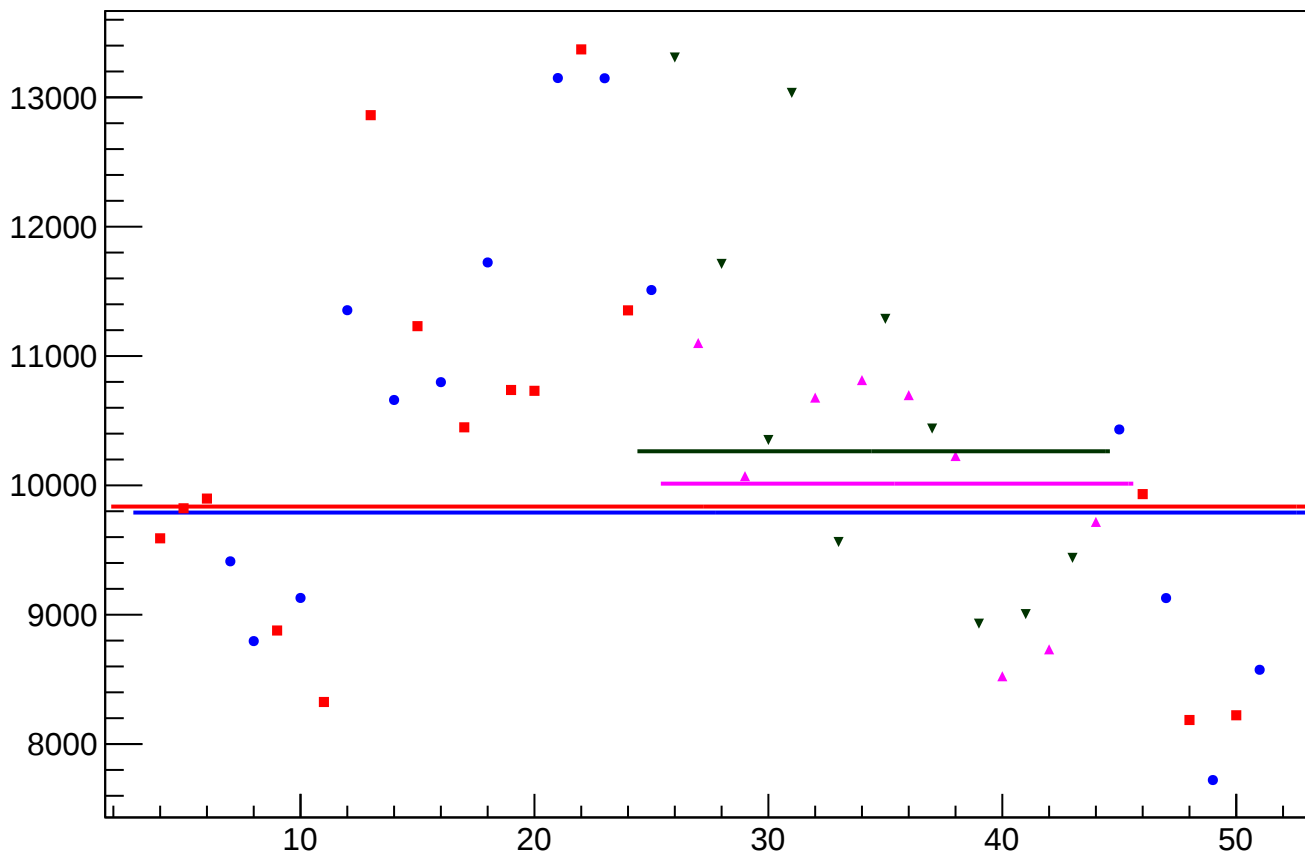
Right Out: -6.609 ± 3.534 χ^2/NDF : 17.3/14

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

0.450 ± 2.662 χ^2/NDF : 18.6/23

-0.674 ± 2.716 χ^2/NDF : 33.9/23

diff_bpm4eX_rms vs slug



Right In: 9789.849+/-2.343 χ^2/NDF : 446921.9/13

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

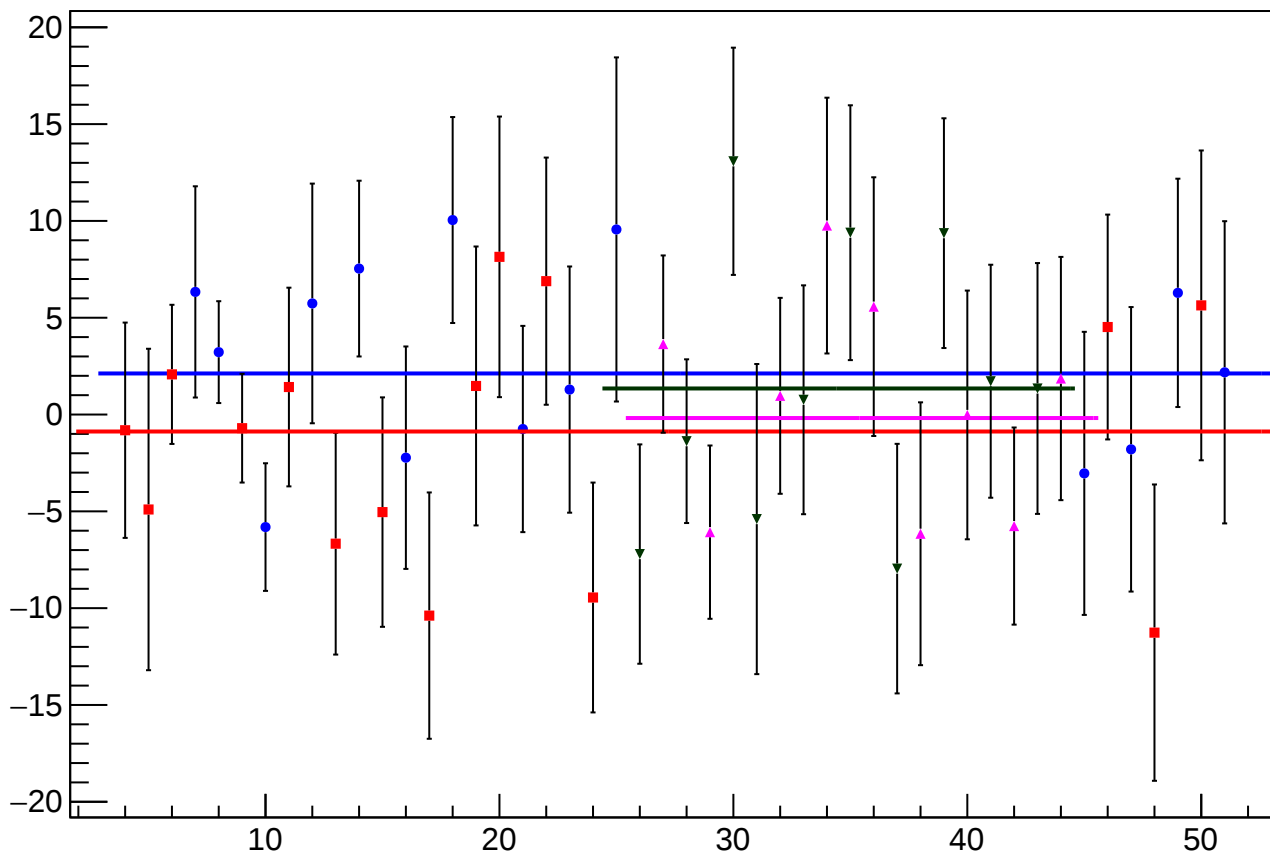
Right Out: 9836.153+/-2.499 χ^2/NDF : 372089.3/14

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

9957.904+/-1.882 χ^2/NDF : 640221.9/23

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

diff_bpm4eY_mean vs slug



Right In: 2.122 ± 1.330 χ^2/NDF : 13.4/13

Left Out: 1.346 ± 1.865 χ^2/NDF : 12.8/9

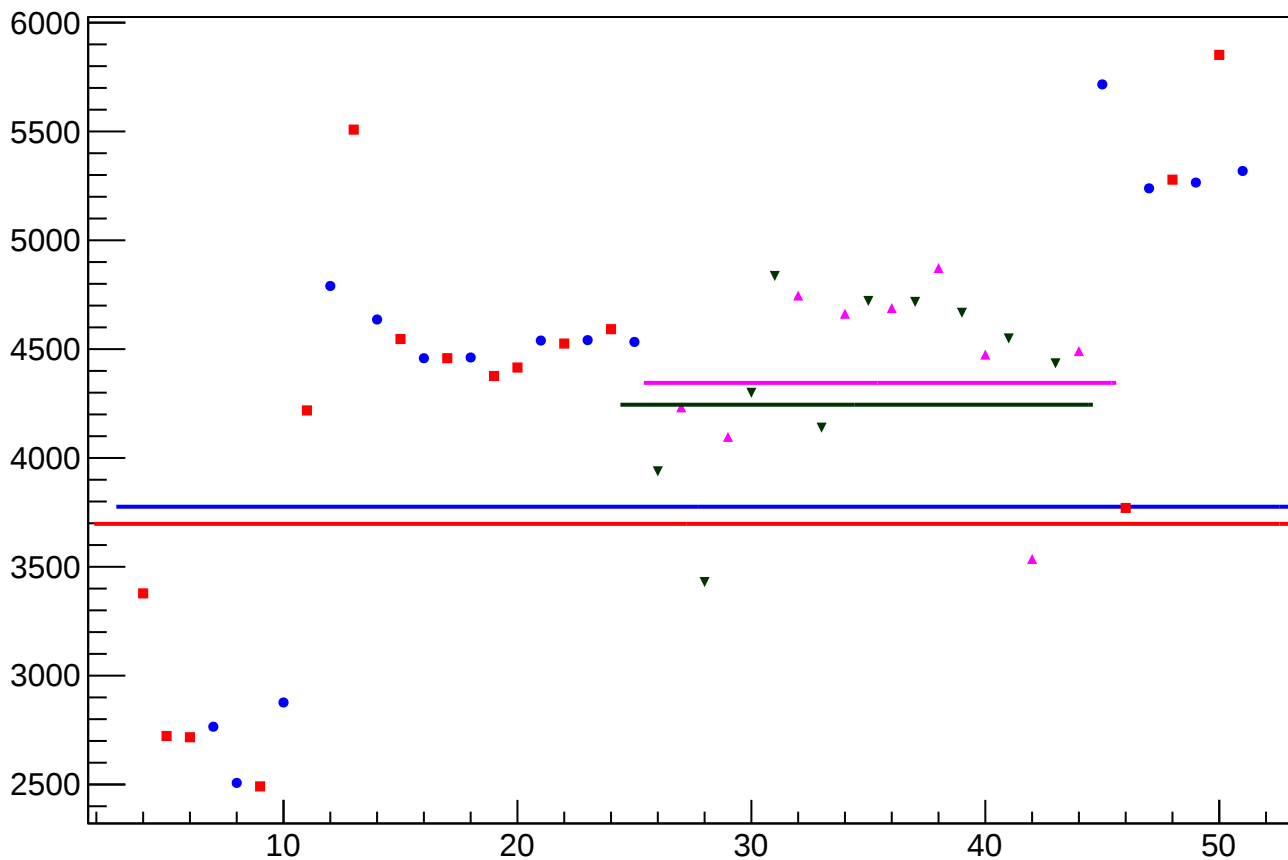
Right Out: -0.876 ± 1.378 χ^2/NDF : 13.5/14

Left In: -0.180 ± 1.851 χ^2/NDF : 7.6/8

1.860 ± 1.083 χ^2/NDF : 26.4/23

-0.628 ± 1.105 χ^2/NDF : 21.1/23

diff_bpm4eY_rms vs slug



Right In: 3776.032+/-0.940 χ^2/NDF : 1380305.9/13

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

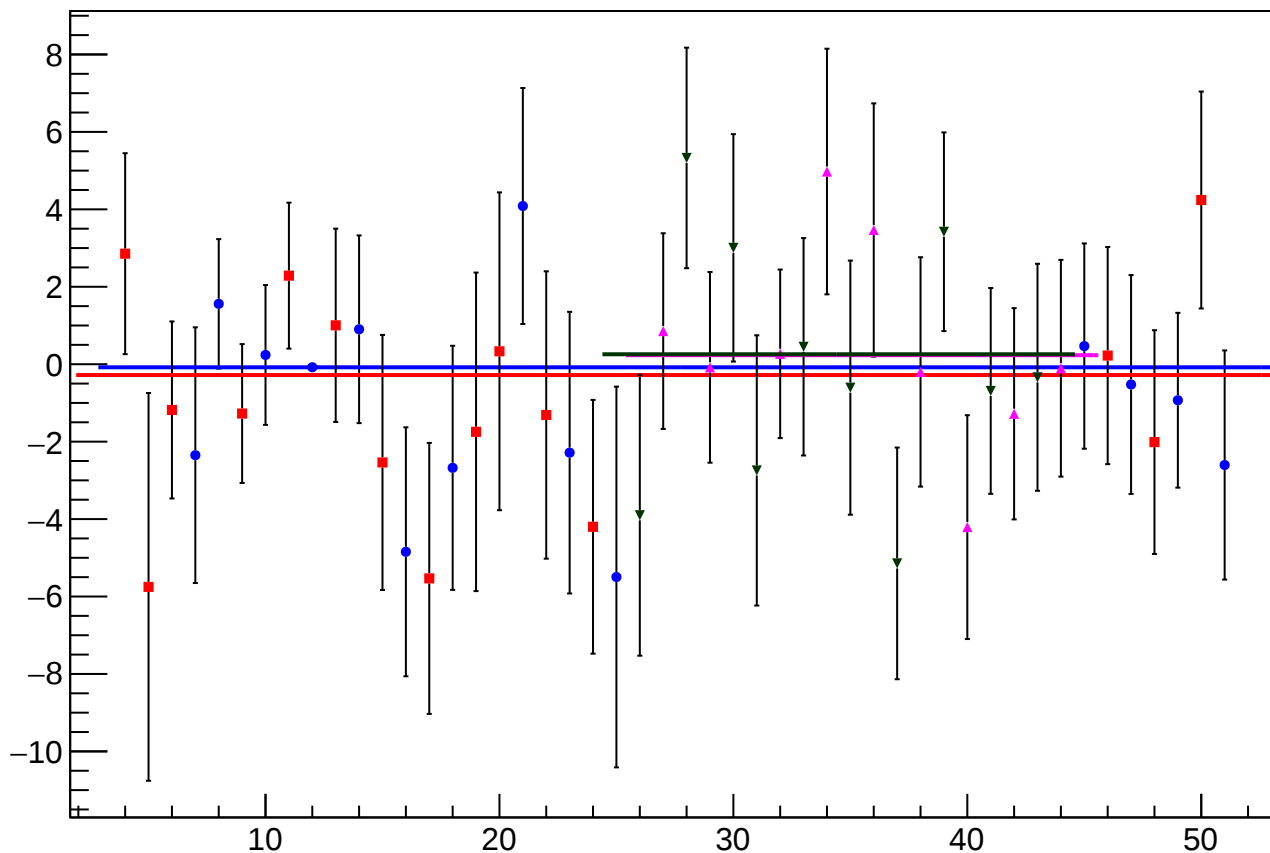
3933.932+/-0.766 χ^2/NDF : 1594018.4/23

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

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

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

diff_bpm4acX_mean vs slug



Right In: -0.080 ± 0.060 $\chi^2/\text{NDF}: 8.9/13$

Left Out: 0.257 ± 0.937 $\chi^2/\text{NDF}: 11.1/9$

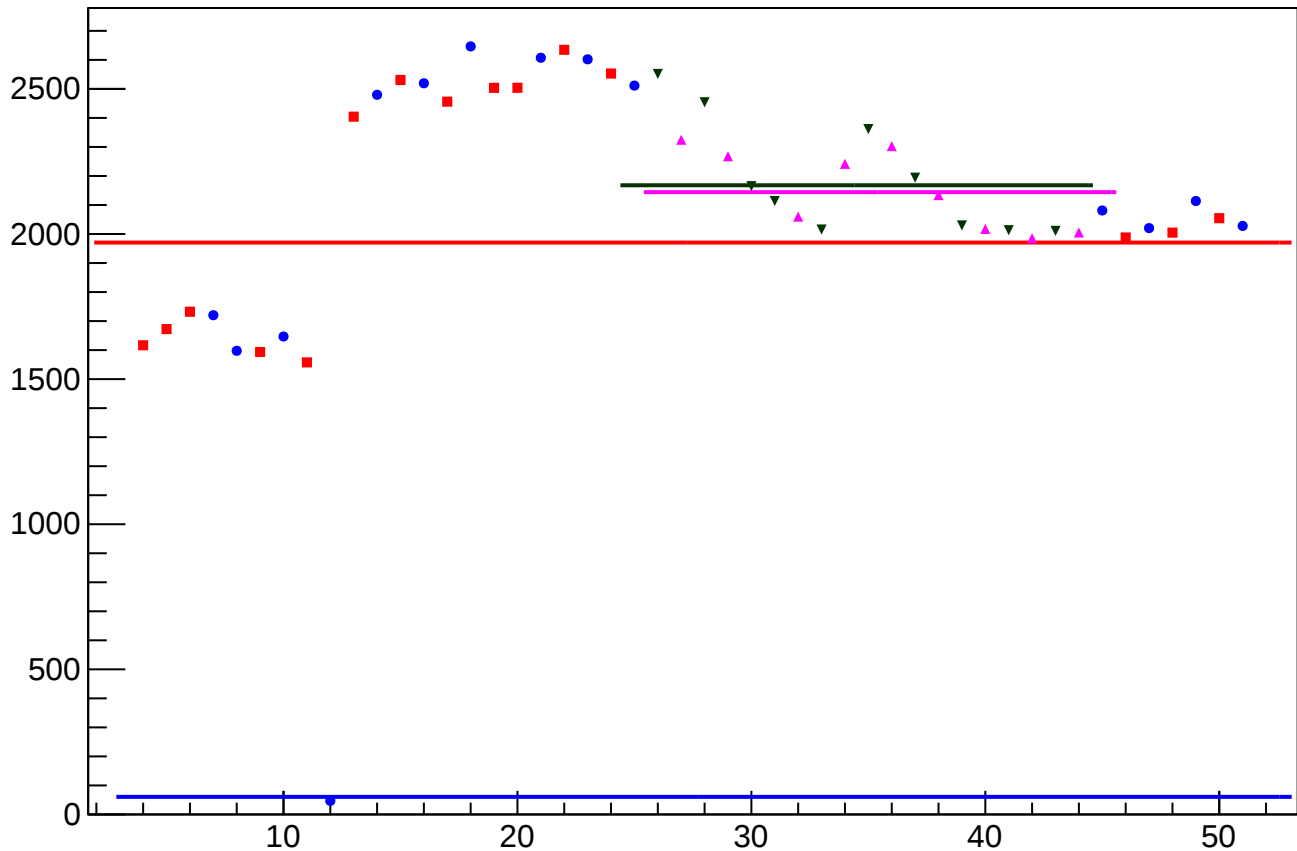
Right Out: -0.280 ± 0.713 $\chi^2/\text{NDF}: 12.6/14$

Left In: 0.233 ± 0.905 $\chi^2/\text{NDF}: 6.0/8$

-0.078 ± 0.060 $\chi^2/\text{NDF}: 20.1/23$

-0.083 ± 0.560 $\chi^2/\text{NDF}: 18.8/23$

diff_bpm4acX_rms vs slug



Right In: 60.628+/-0.043 χ^2/NDF : 15884015.0/13

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

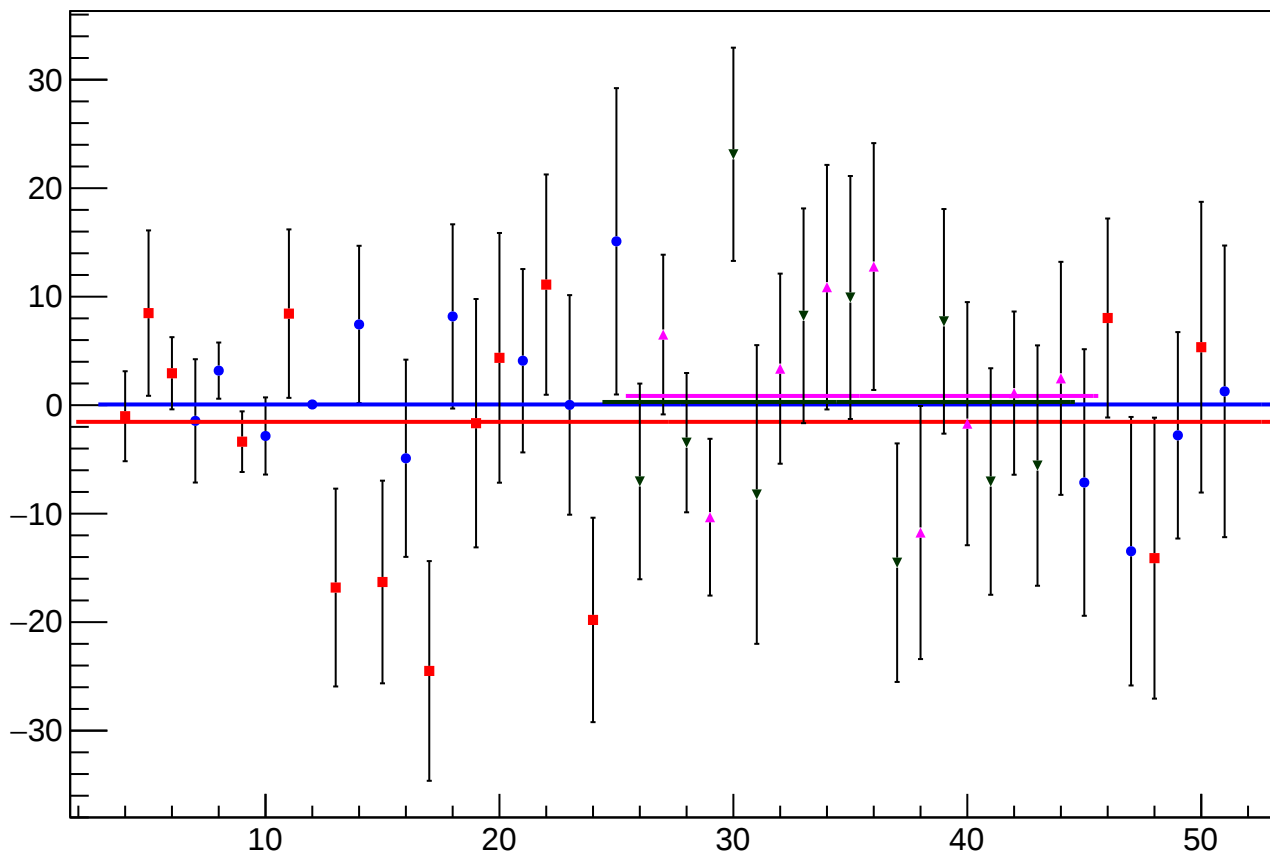
Right Out: 1970.562+/-0.504 χ^2/NDF : 603914.3/14

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

69.261+/-0.042 χ^2/NDF : 26029258.1/23

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

diff_bpm4acY_mean vs slug



Right In: 0.065 ± 0.052 χ^2/NDF : 7.4/13

Left Out: 0.294 ± 3.082 χ^2/NDF : 11.3/9

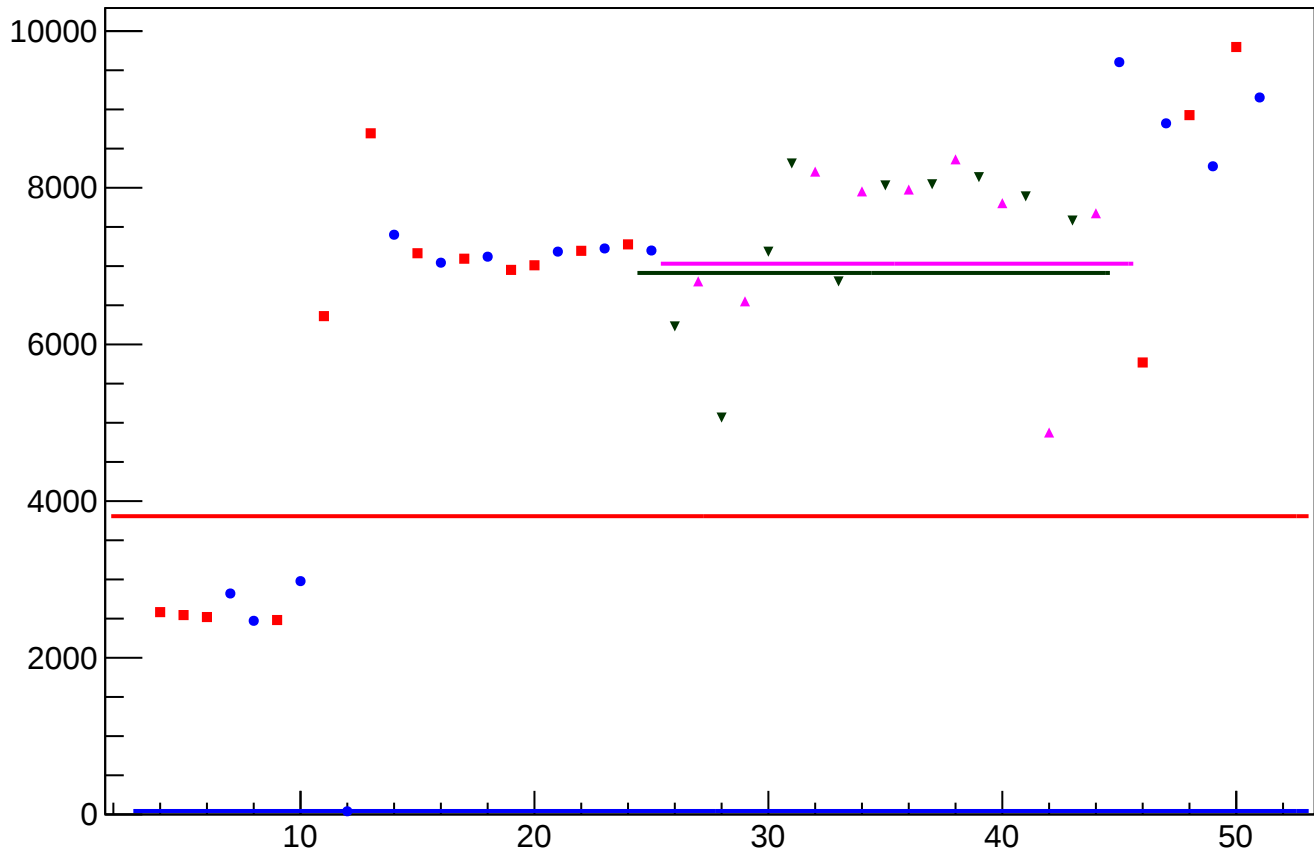
Right Out: -1.538 ± 1.575 χ^2/NDF : 23.9/14

Left In: 0.850 ± 3.044 χ^2/NDF : 6.2/8

0.065 ± 0.052 χ^2/NDF : 18.7/23

-1.034 ± 1.399 χ^2/NDF : 30.6/23

diff_bpm4acY_rms vs slug



Right In: 44.343+/-0.037 χ^2/NDF : 15822865.9/13

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

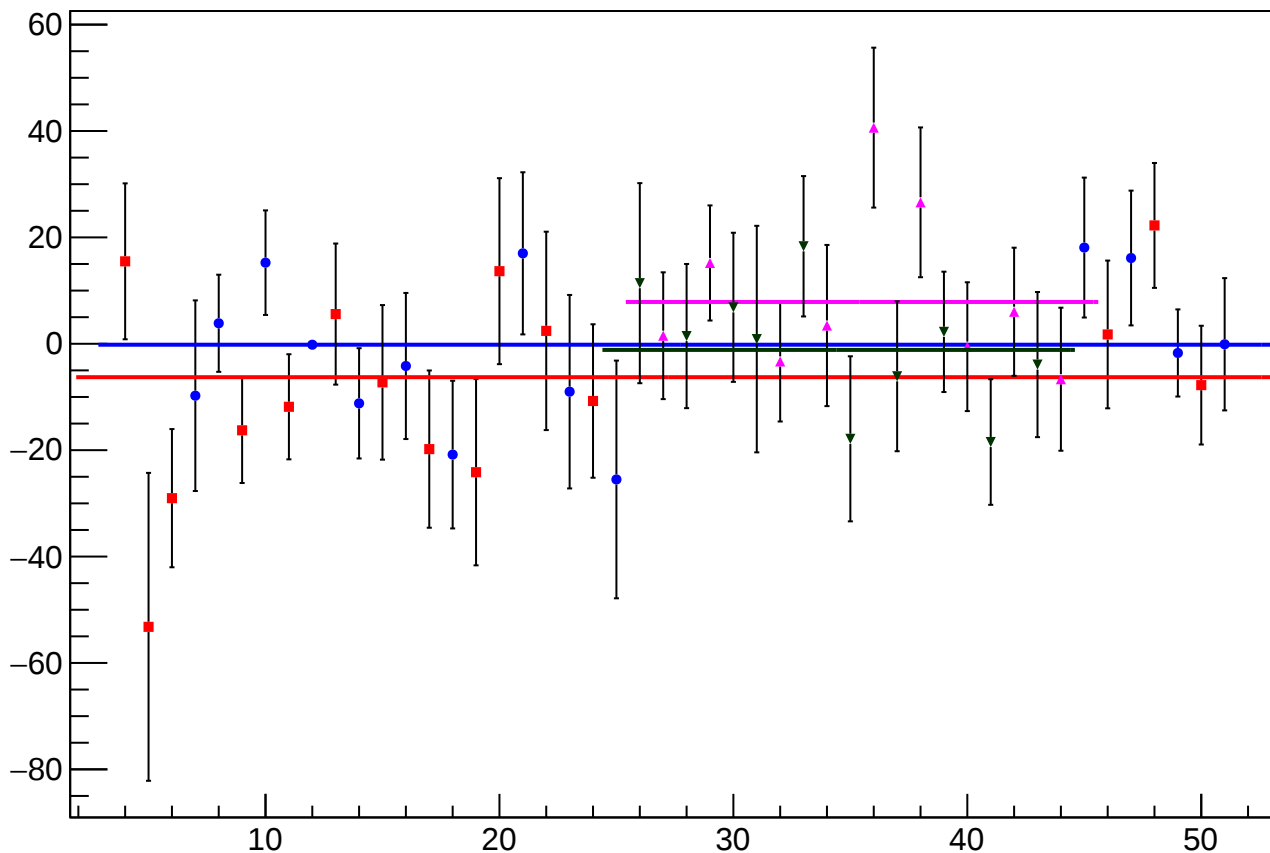
46.305+/-0.037 χ^2/NDF : 26047116.7/23

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 ± 0.106 $\chi^2/\text{NDF}: 12.8/13$

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

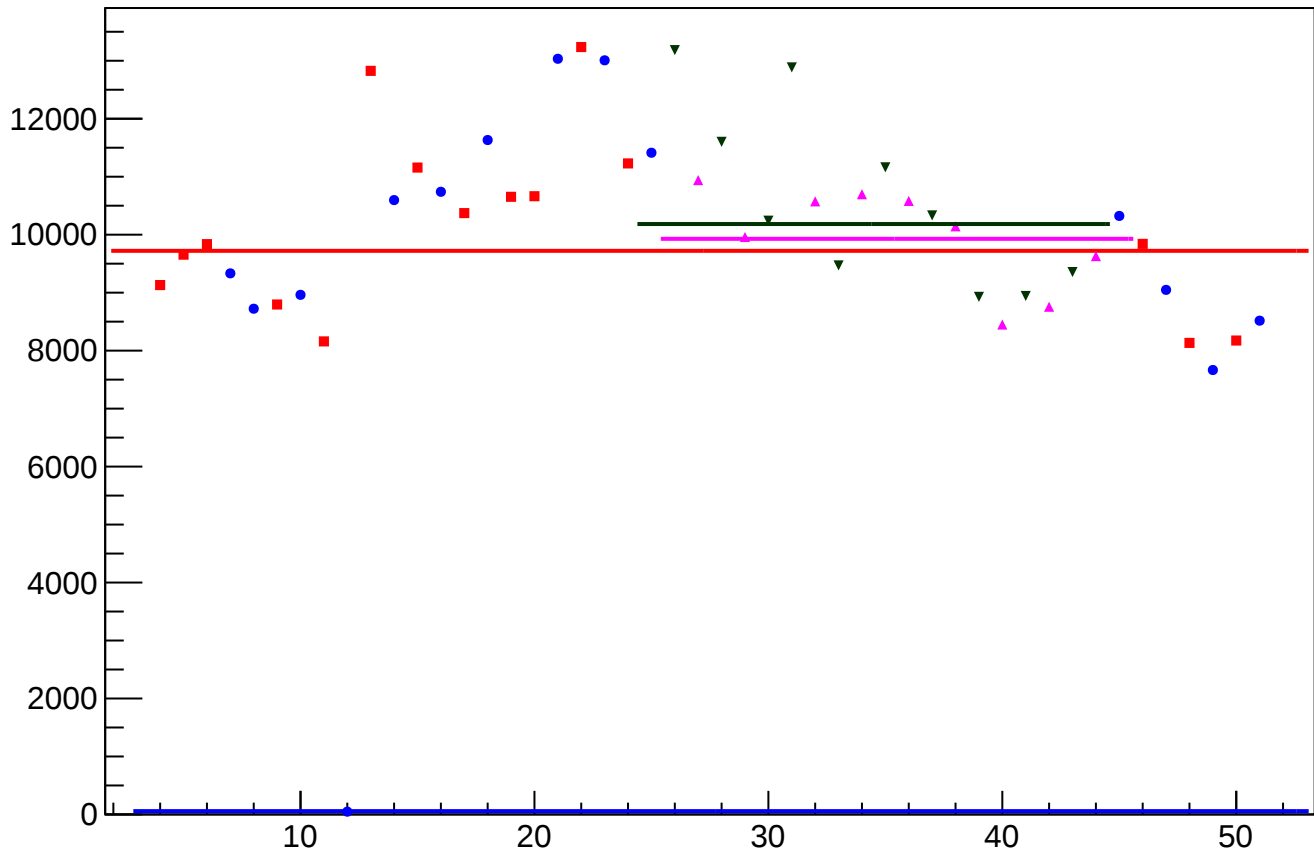
Right Out: -6.281 ± 3.494 $\chi^2/\text{NDF}: 19.8/14$

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

-0.176 ± 0.106 $\chi^2/\text{NDF}: 19.4/23$

-0.507 ± 2.688 $\chi^2/\text{NDF}: 36.5/23$

diff_bpm4ecX_rms vs slug



Right In: 57.574+/-0.075 χ^2/NDF : 16522993.1/13

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

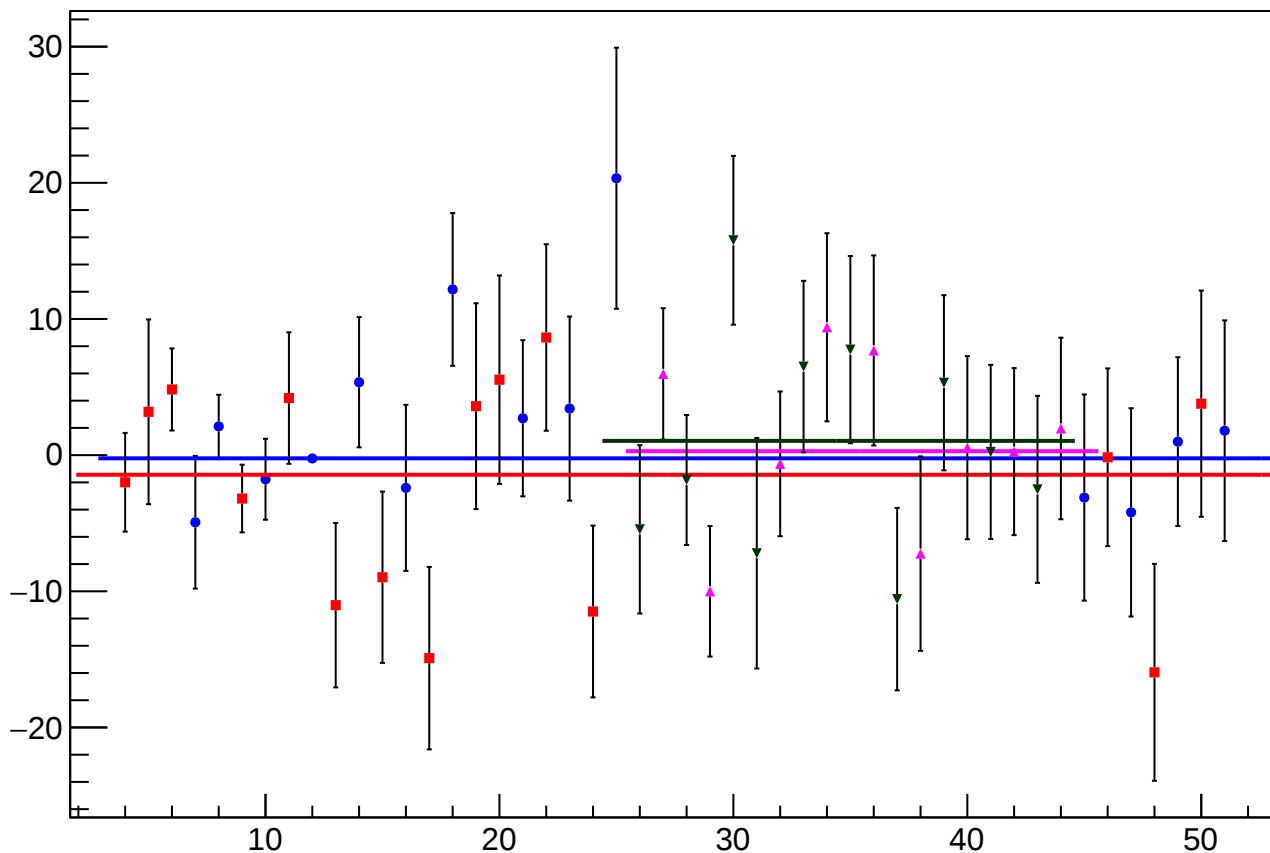
Right Out: 9721.624+/-2.471 χ^2/NDF : 383442.8/14

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

63.413+/-0.075 χ^2/NDF : 27121797.1/23

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

diff_bpm4ecY_mean vs slug



Right In: -0.235 ± 0.090 $\chi^2/\text{NDF}: 14.3/13$

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

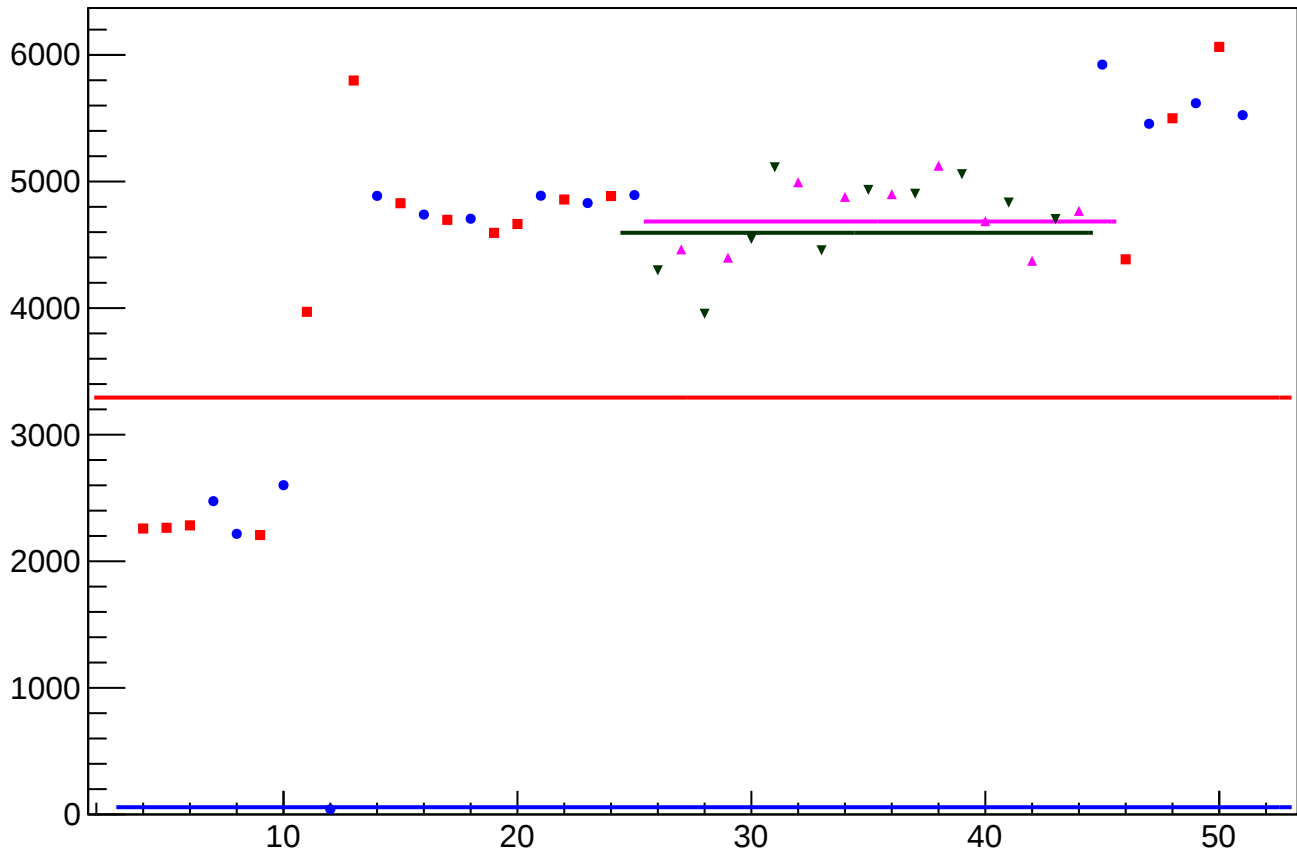
Right Out: -1.440 ± 1.268 $\chi^2/\text{NDF}: 24.4/14$

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

-0.232 ± 0.090 $\chi^2/\text{NDF}: 28.2/23$

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

diff_bpm4ecY_rms vs slug



Right In: 57.226+/-0.064 χ^2/NDF : 15987993.8/13

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

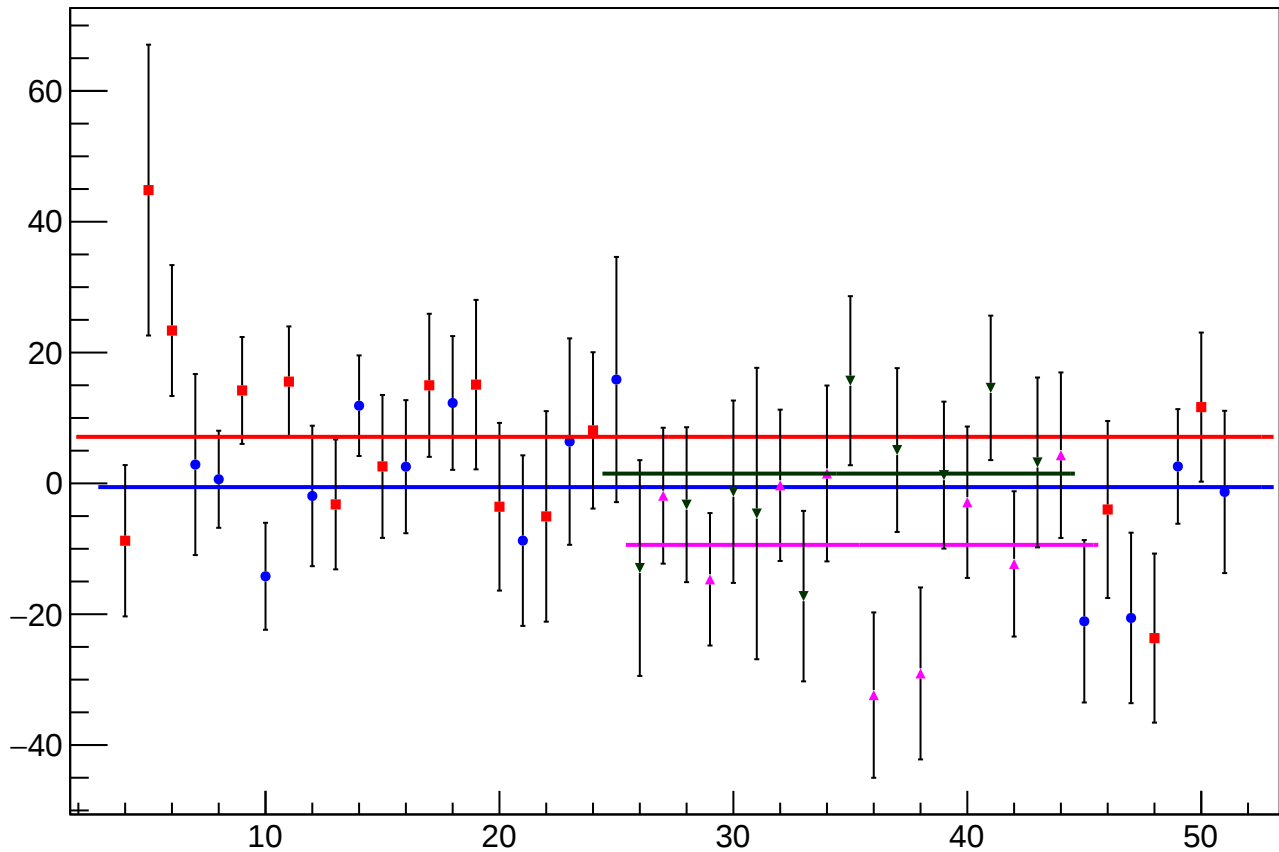
66.333+/-0.064 χ^2/NDF : 26274221.7/23

Right Out: 3293.215+/-0.896 χ^2/NDF : 2192340.1/14

3696.542+/-0.755 χ^2/NDF : 2925178.1/23

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

diff_bpm1X_mean vs slug



Right In: -0.568 ± 2.797 χ^2/NDF : 13.8/13

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

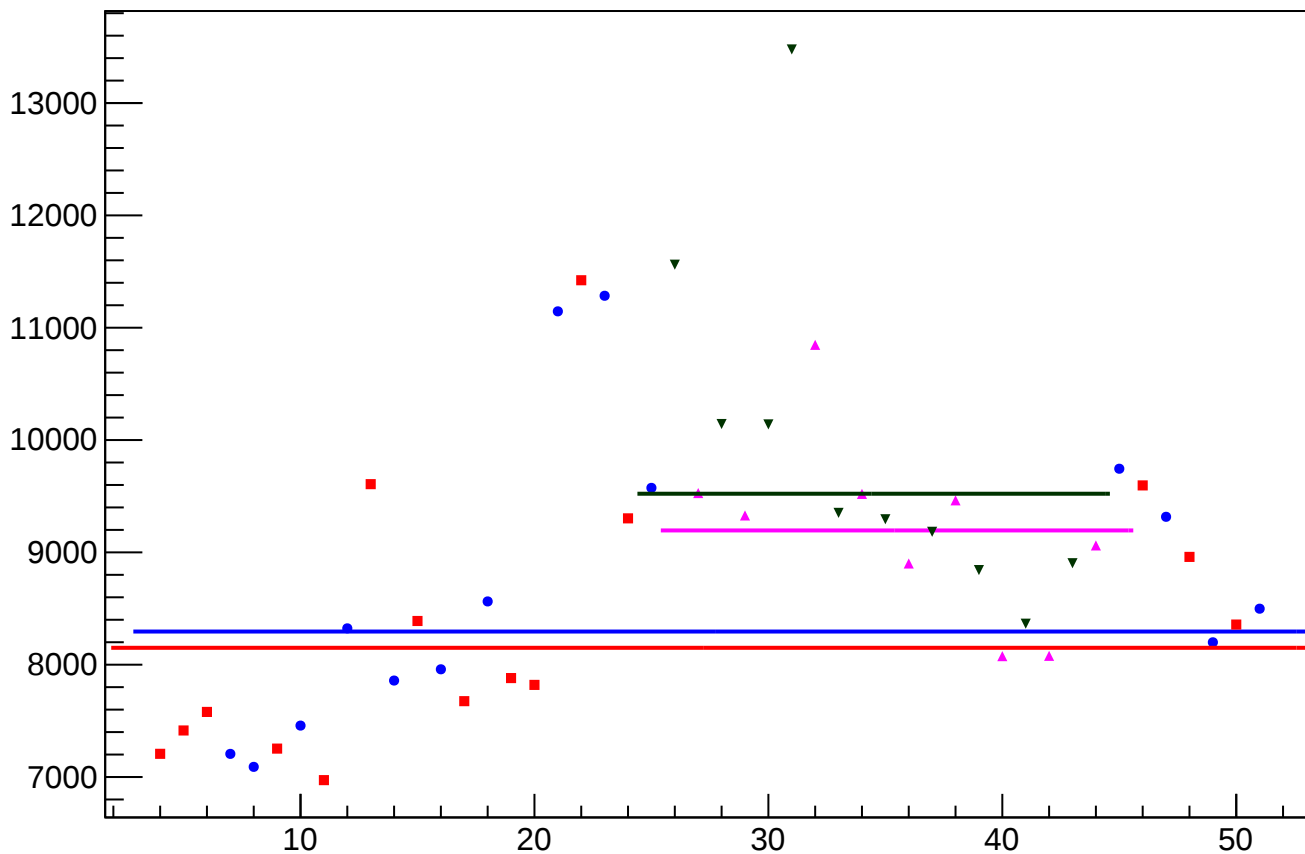
Right Out: 7.118 ± 2.918 χ^2/NDF : 19.1/14

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

0.078 ± 2.318 χ^2/NDF : 19.8/23

1.181 ± 2.336 χ^2/NDF : 39.8/23

diff_bpm1X_rms vs slug



Right In: 8295.199+/-1.978 χ^2/NDF : 313101.7/13

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

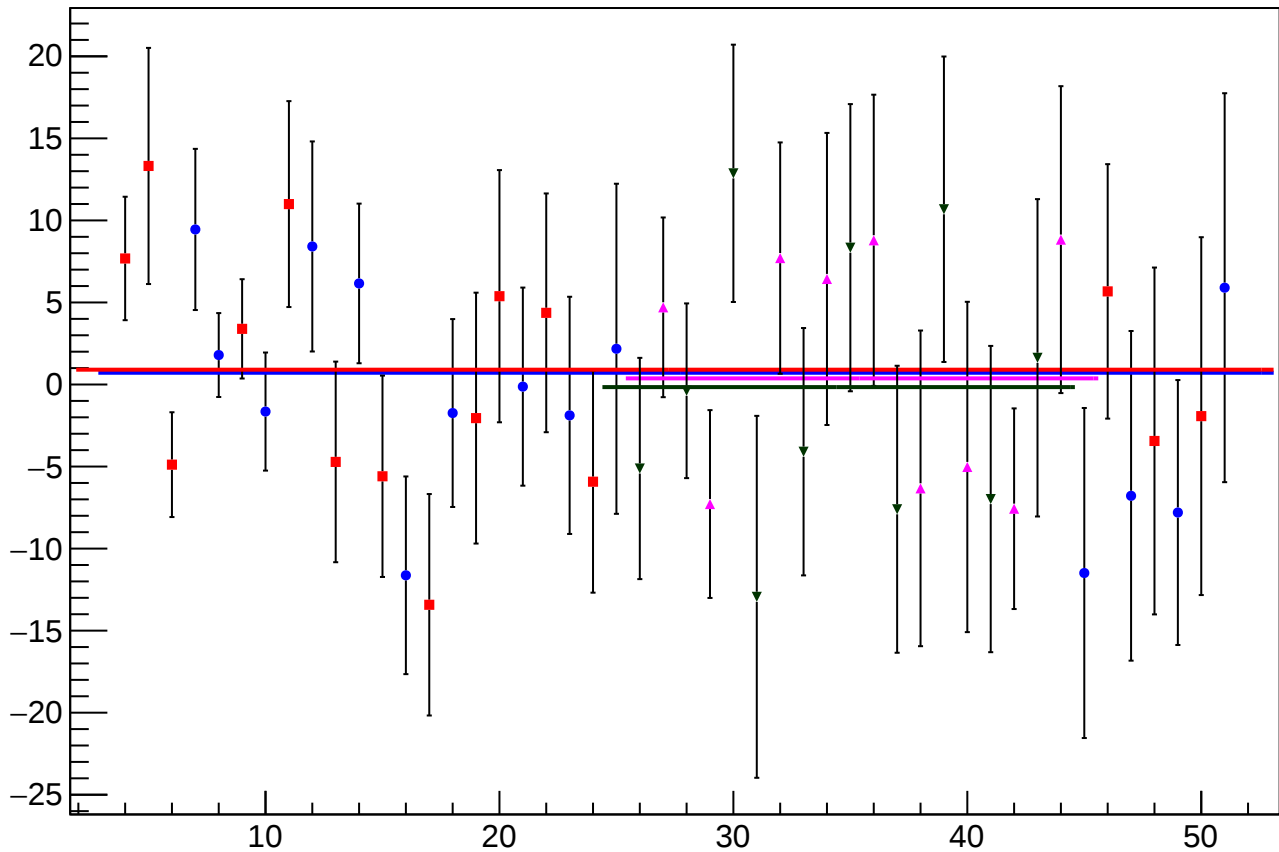
Right Out: 8150.406+/-2.063 χ^2/NDF : 267694.2/14

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

8679.445+/-1.639 χ^2/NDF : 572886.4/23

8525.969+/-1.651 χ^2/NDF : 445303.5/23

diff_bpm1Y_mean vs slug



Right In: 0.716 ± 1.421 $\chi^2/\text{NDF}: 14.4/13$

Left Out: -0.158 ± 2.506 $\chi^2/\text{NDF}: 8.5/9$

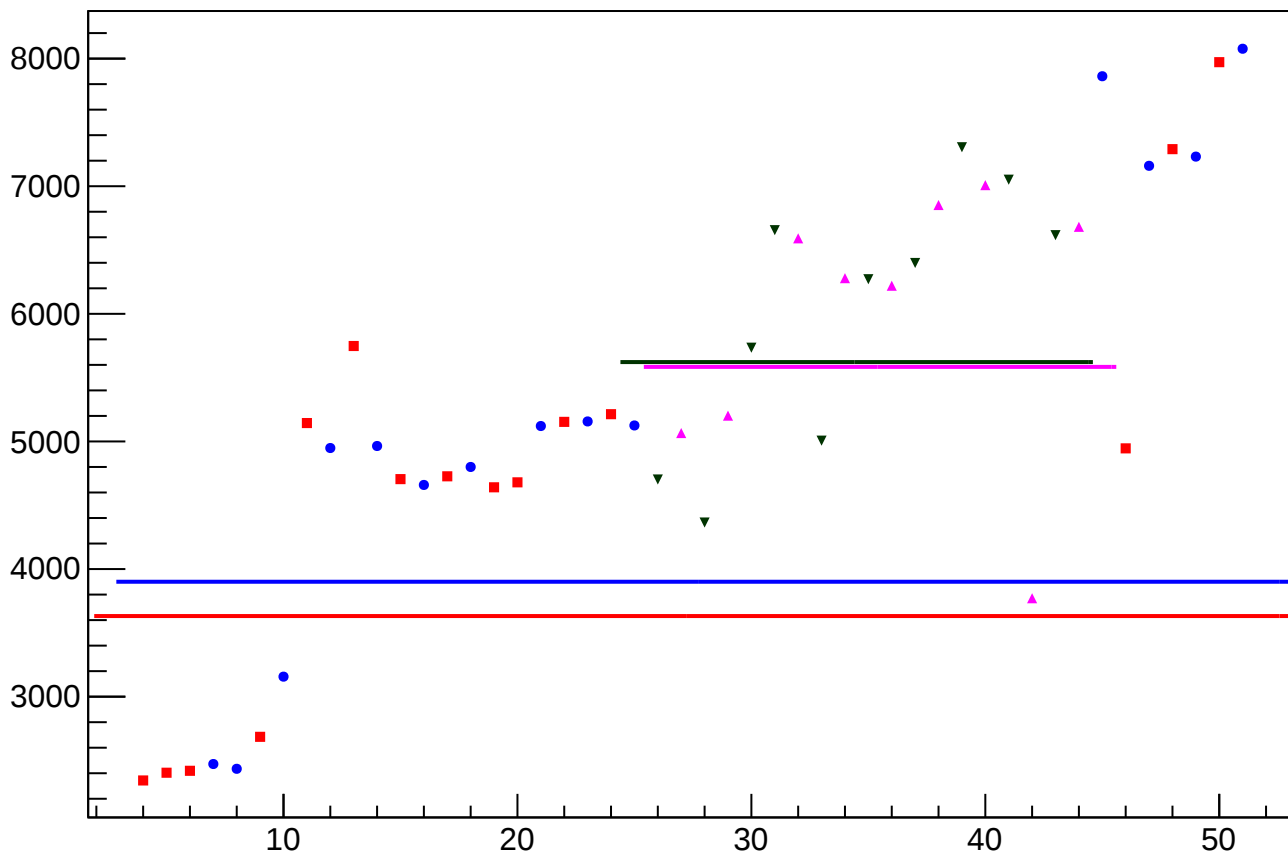
Right Out: 0.903 ± 1.405 $\chi^2/\text{NDF}: 21.6/14$

Left In: 0.374 ± 2.438 $\chi^2/\text{NDF}: 8.1/8$

0.504 ± 1.236 $\chi^2/\text{NDF}: 23.0/23$

0.771 ± 1.217 $\chi^2/\text{NDF}: 29.8/23$

diff_bpm1Y_rms vs slug



Right In: 3900.610+/-1.005 χ^2/NDF : 2423784.9/13

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

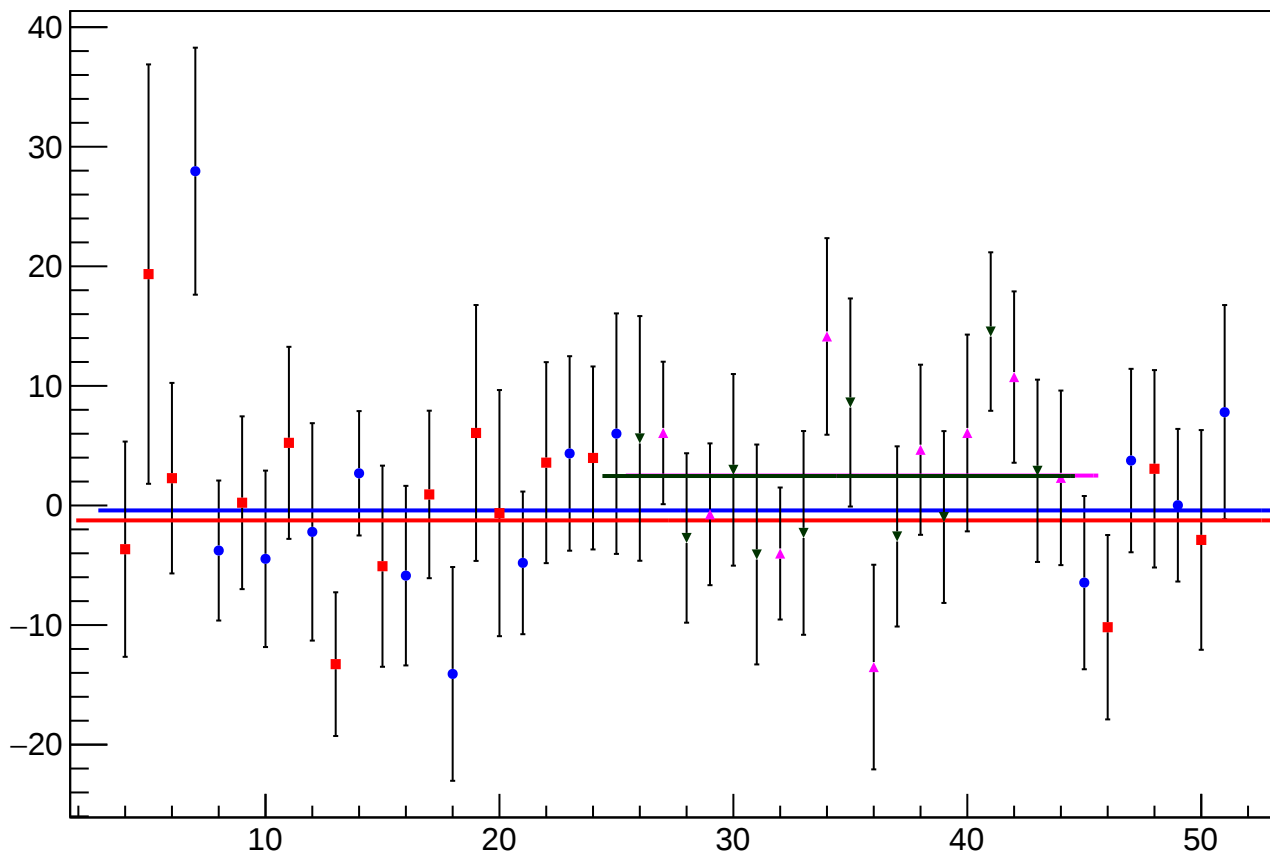
Right Out: 3631.764+/-0.993 χ^2/NDF : 2129482.0/14

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

4319.472+/-0.874 χ^2/NDF : 3478130.4/23

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

diff_bpm11X_mean vs slug



Right In: -0.414 $\pm$ 1.952 χ^2/NDF : 14.6/13

Left Out: 2.463 $\pm$ 2.494 χ^2/NDF :6.0/9

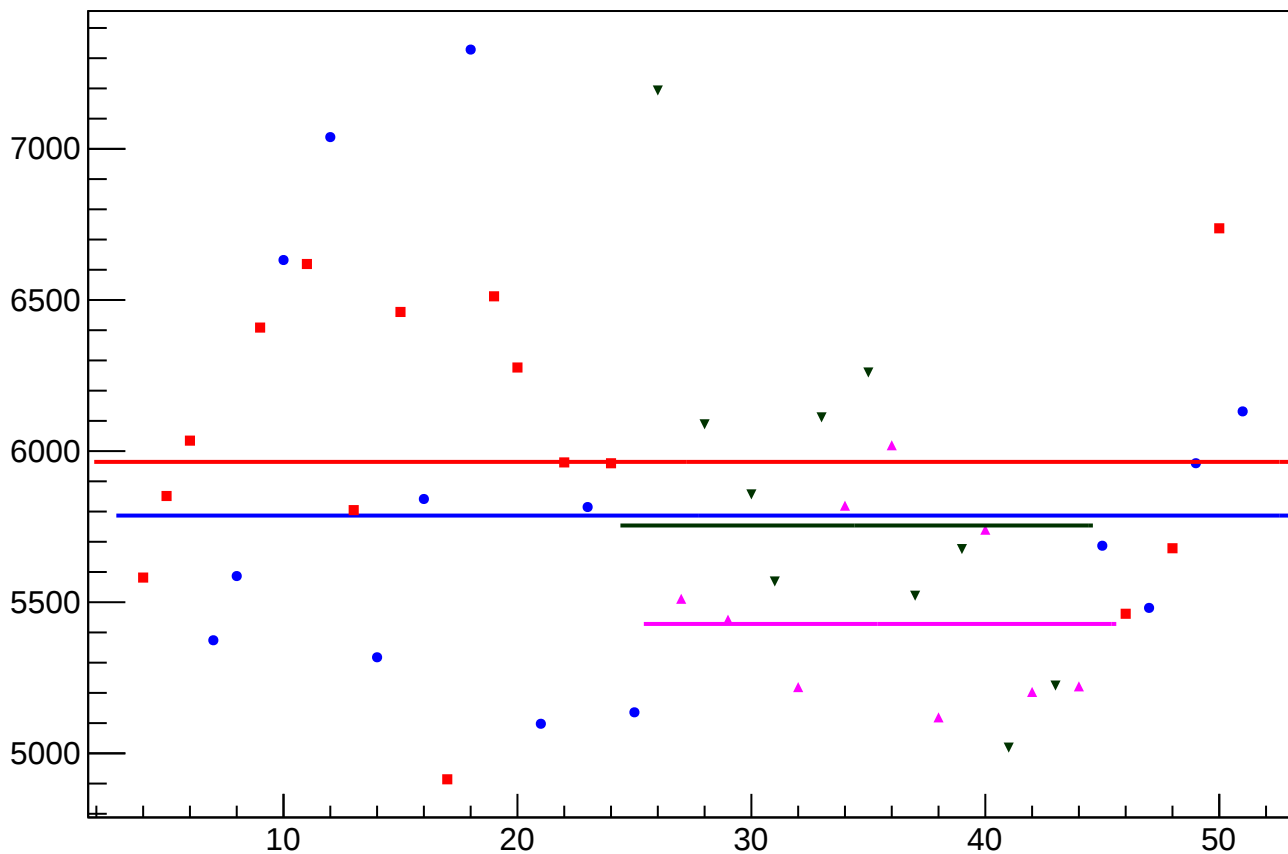
Right Out: -1.249 $\pm$ 2.127 χ^2/NDF : 9.6/14

Left In: 2.501 $\pm$ 2.290 χ^2/NDF :9.2/8

0.679 $\pm$ 1.537 χ^2/NDF : 21.3/23

0.488 $\pm$ 1.559 χ^2/NDF : 20.2/23

diff_bpm11X_rms vs slug



Right In: 5786.703+/-1.380 χ^2/NDF : 188685.0/13

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

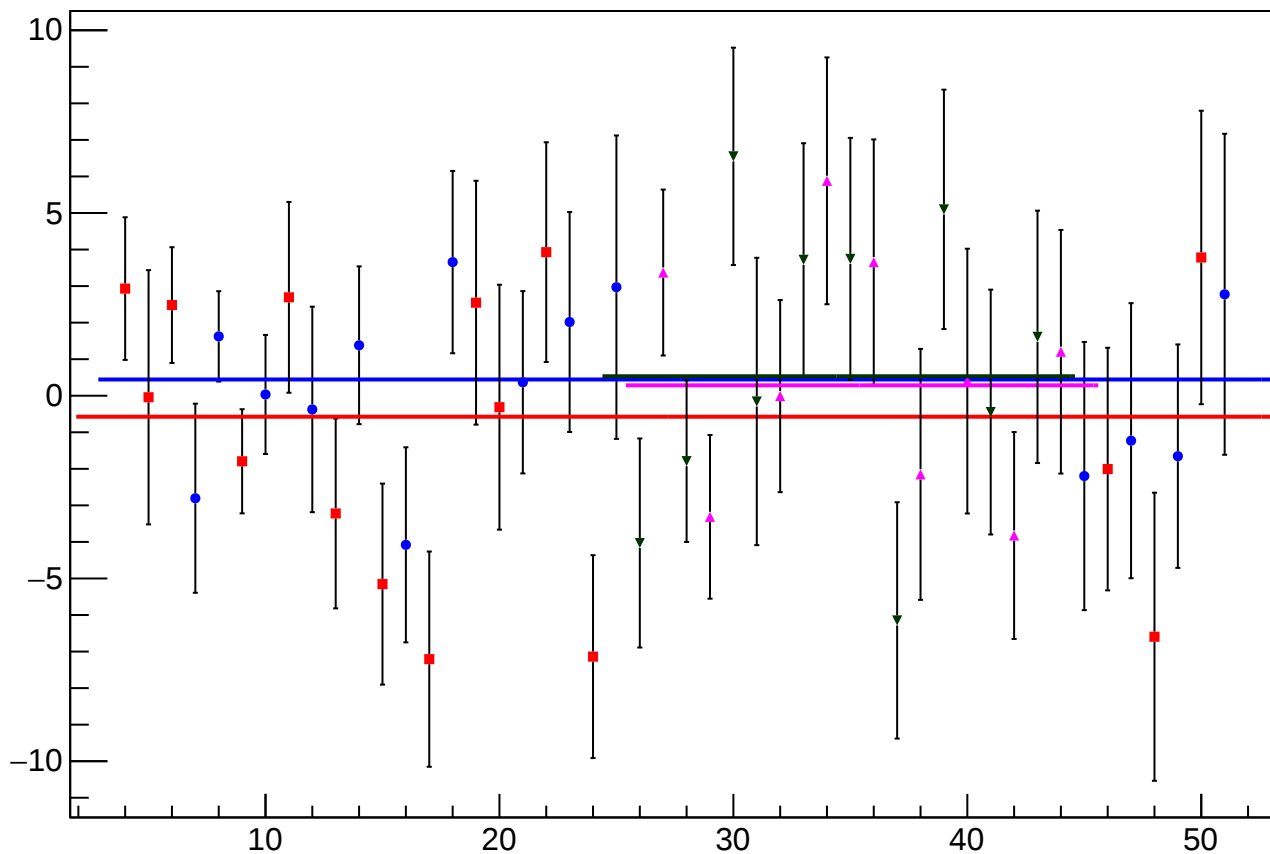
Right Out: 5964.338+/-1.504 χ^2/NDF : 110189.5/14

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

5774.226+/-1.087 χ^2/NDF : 280774.7/23

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

diff_bpm11Y_mean vs slug



Right In: 0.445 ± 0.638 χ^2/NDF : 9.5/13

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

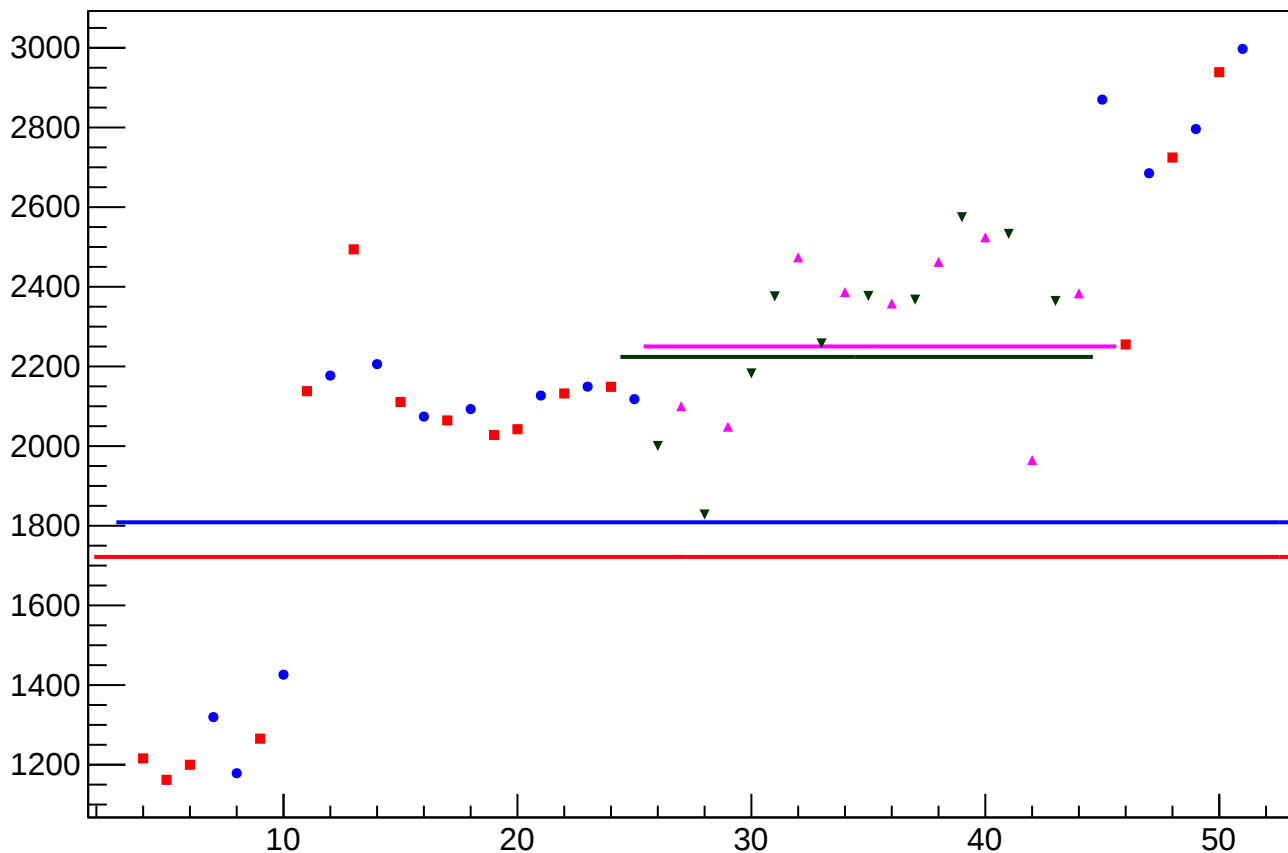
Right Out: -0.574 ± 0.643 χ^2/NDF : 30.6/14

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

0.471 ± 0.534 χ^2/NDF : 25.6/23

-0.307 ± 0.534 χ^2/NDF : 42.0/23

diff_bpm11Y_rms vs slug



Right In: 1808.681+/-0.451 χ^2 /NDF: 1549610.5/13

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

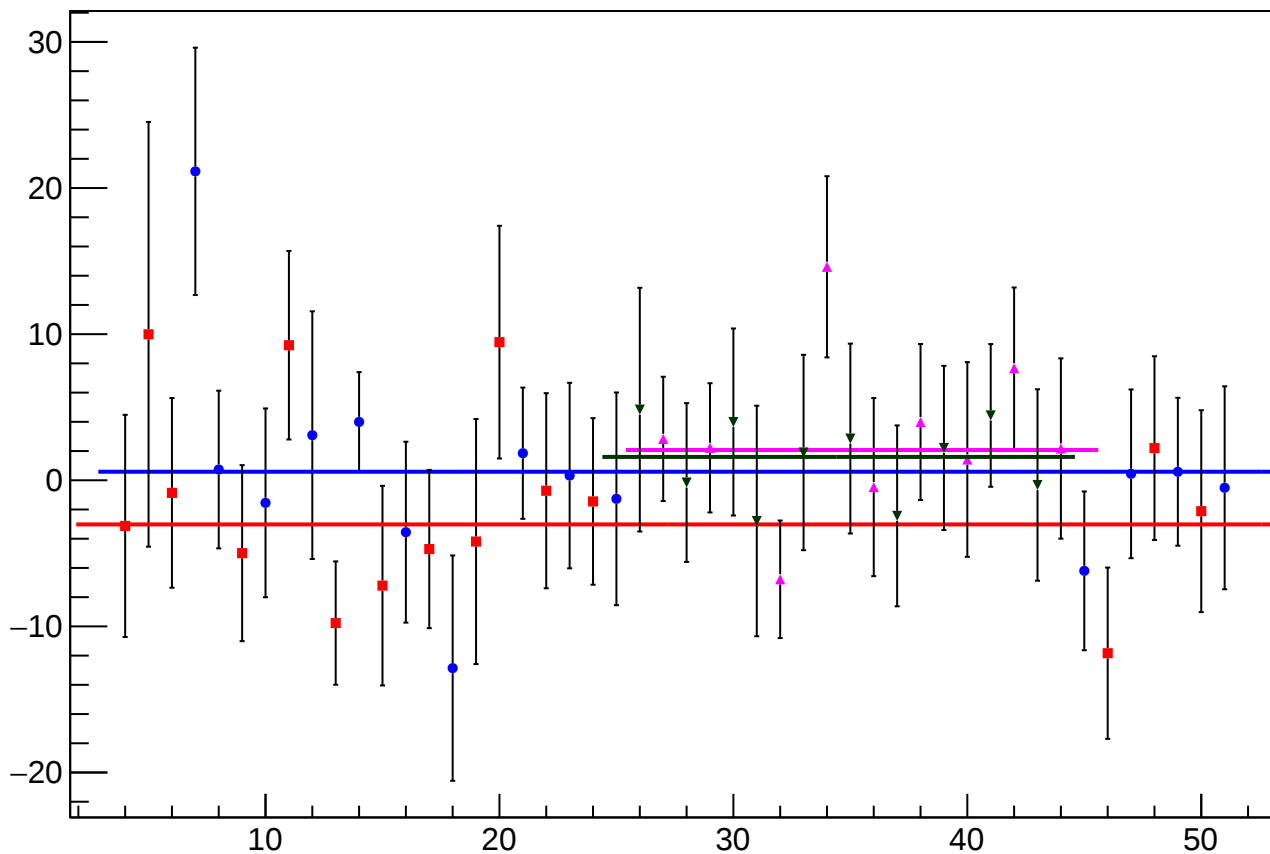
Right Out: 1721.746+/-0.455 χ^2 /NDF: 1387841.8/14

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

1933.536+/-0.377 χ^2 /NDF: 1935548.2/23

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

diff_bpm12X_mean vs slug



Right In: 0.585 ± 1.521 χ^2/NDF : 12.3/13

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

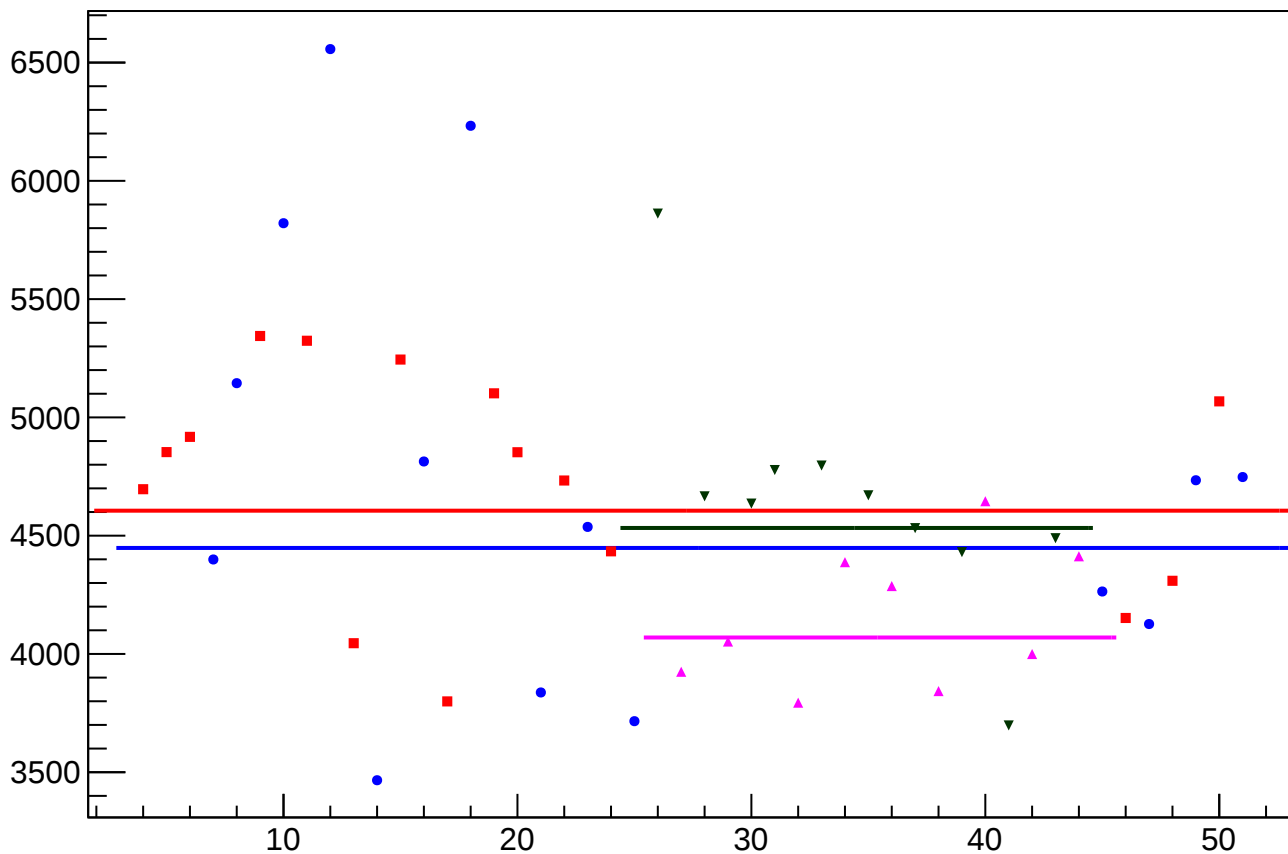
Right Out: -3.022 ± 1.649 χ^2/NDF : 13.3/14

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

0.963 ± 1.204 χ^2/NDF : 14.1/23

-0.583 ± 1.191 χ^2/NDF : 28.2/23

diff_bpm12X_rms vs slug



Right In: 4448.110+/-1.076 χ^2/NDF : 604012.8/13

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

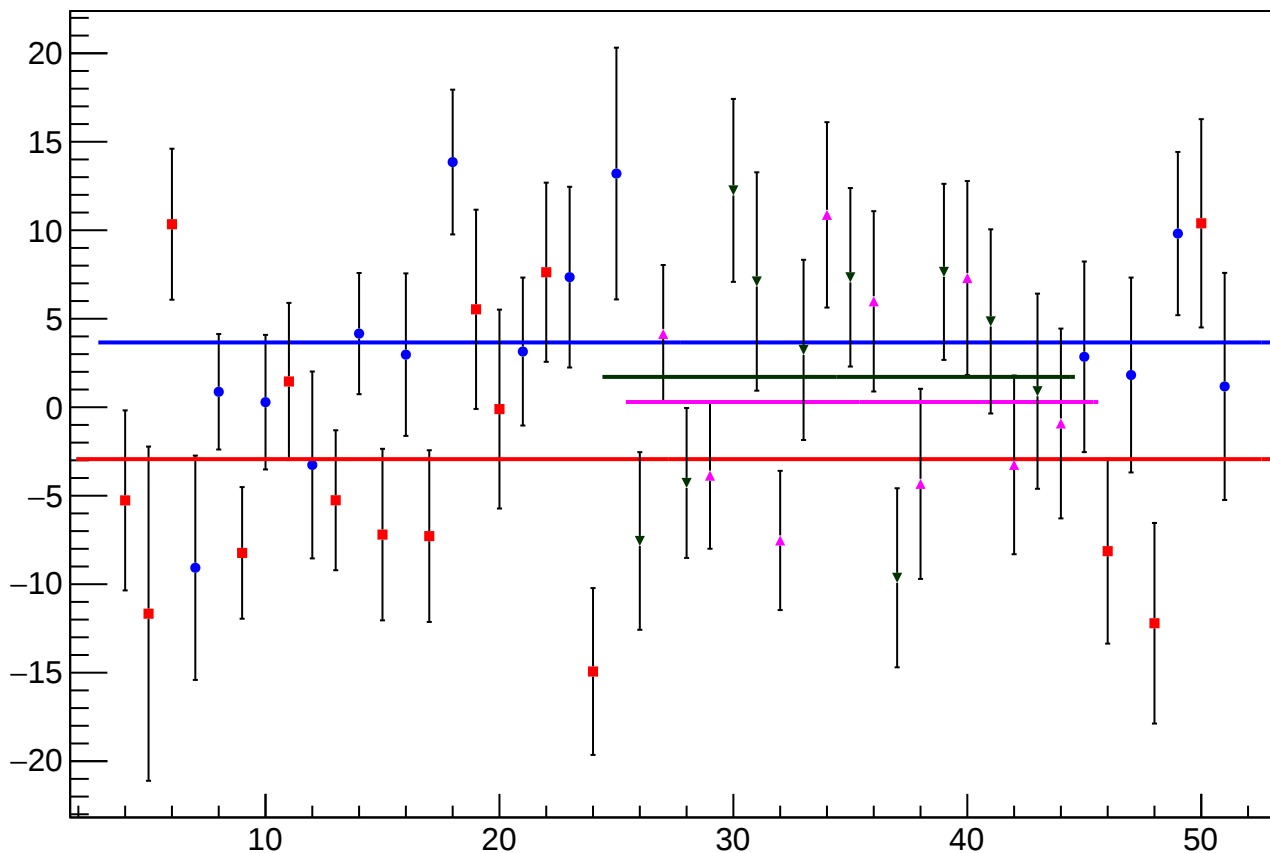
4479.674+/-0.851 χ^2/NDF : 723948.8/23

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: 3.660 ± 1.221 $\chi^2/\text{NDF}: 17.9/13$

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

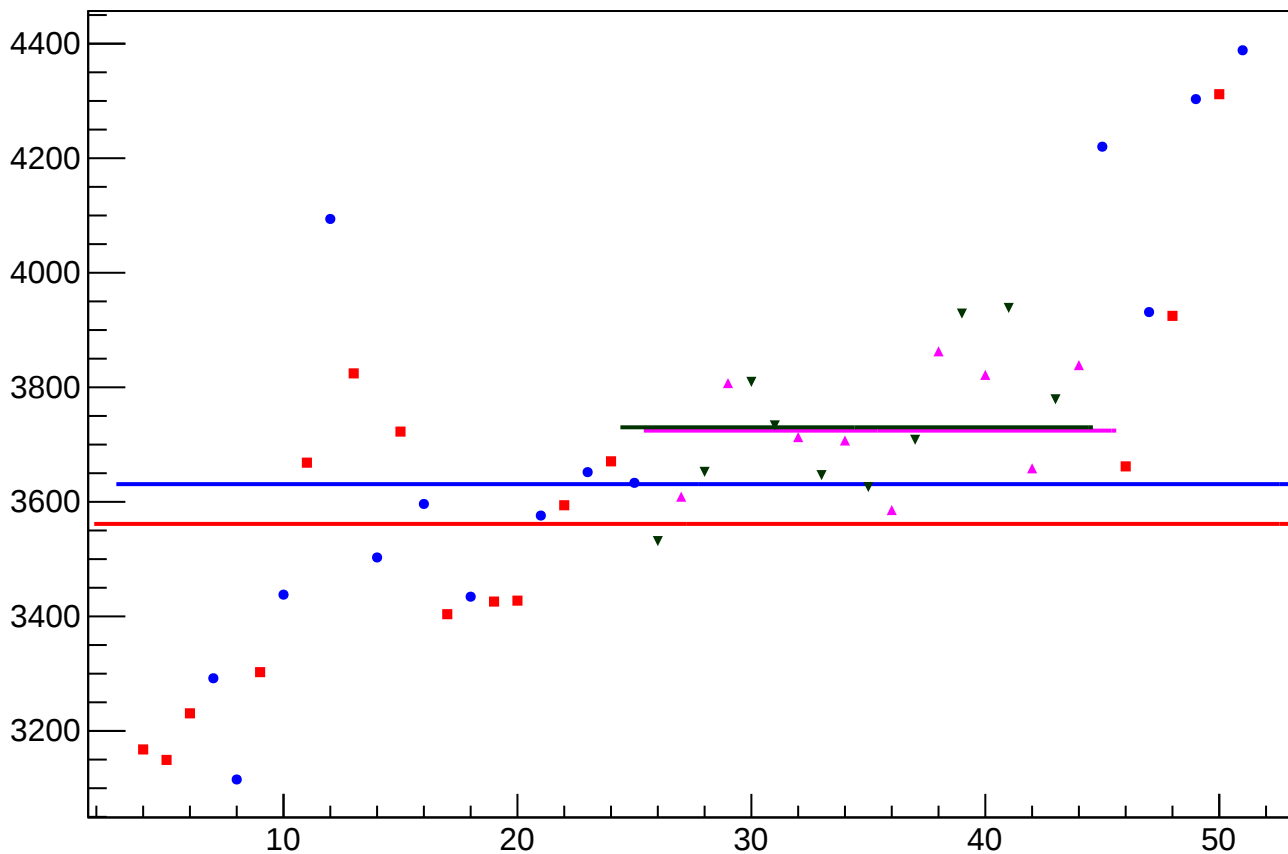
Right Out: -2.932 ± 1.269 $\chi^2/\text{NDF}: 37.8/14$

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

2.949 ± 0.973 $\chi^2/\text{NDF}: 37.4/23$

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

diff_bpm12Y_rms vs slug



Right In: 3630.938 $\pm$ 0.864 χ^2 /NDF: 184398.3/13

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

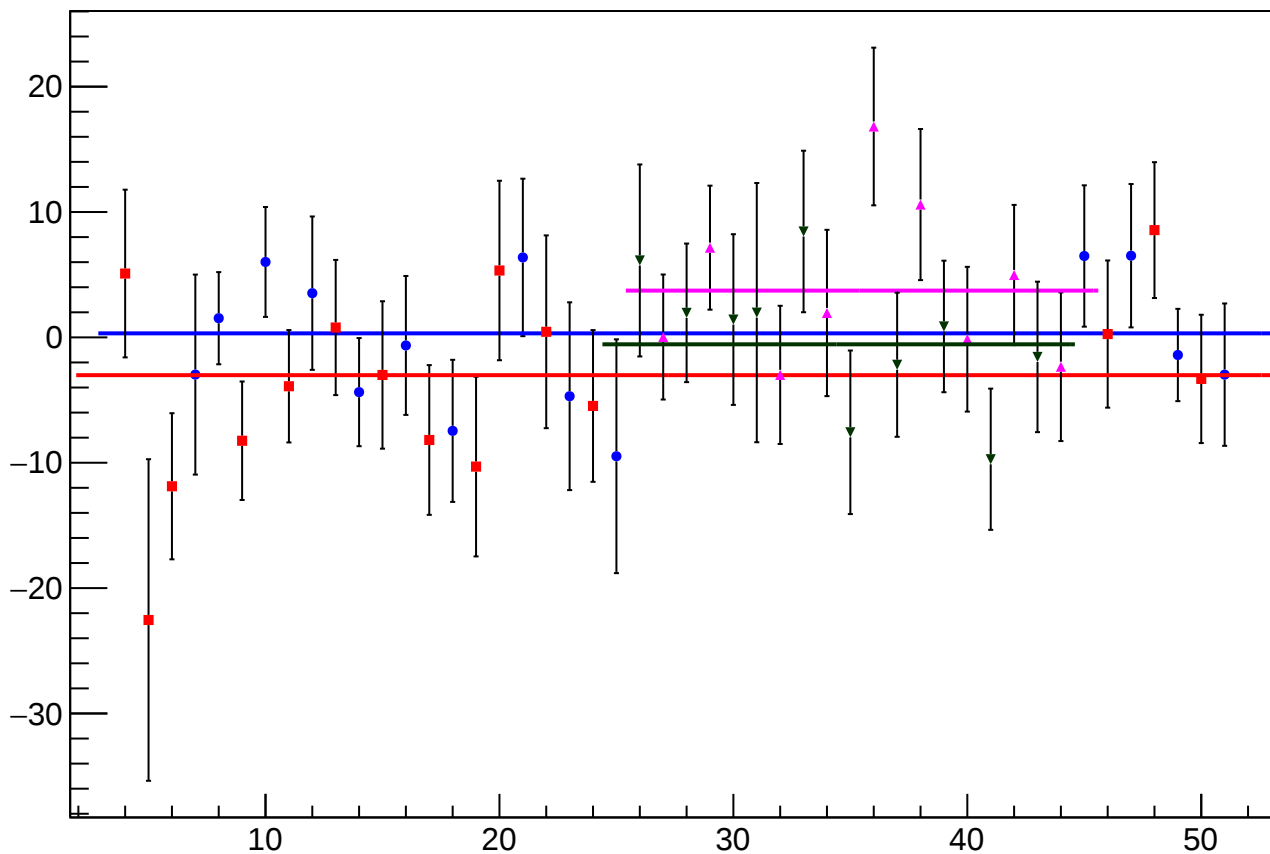
Right Out: 3561.476 $\pm$ 0.897 χ^2 /NDF: 96740.5/14

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

3667.209 $\pm$ 0.688 χ^2 /NDF: 201491.4/23

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

diff_bpm16X_mean vs slug



Right In: 0.321 ± 1.404 χ^2/NDF : 10.7/13

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

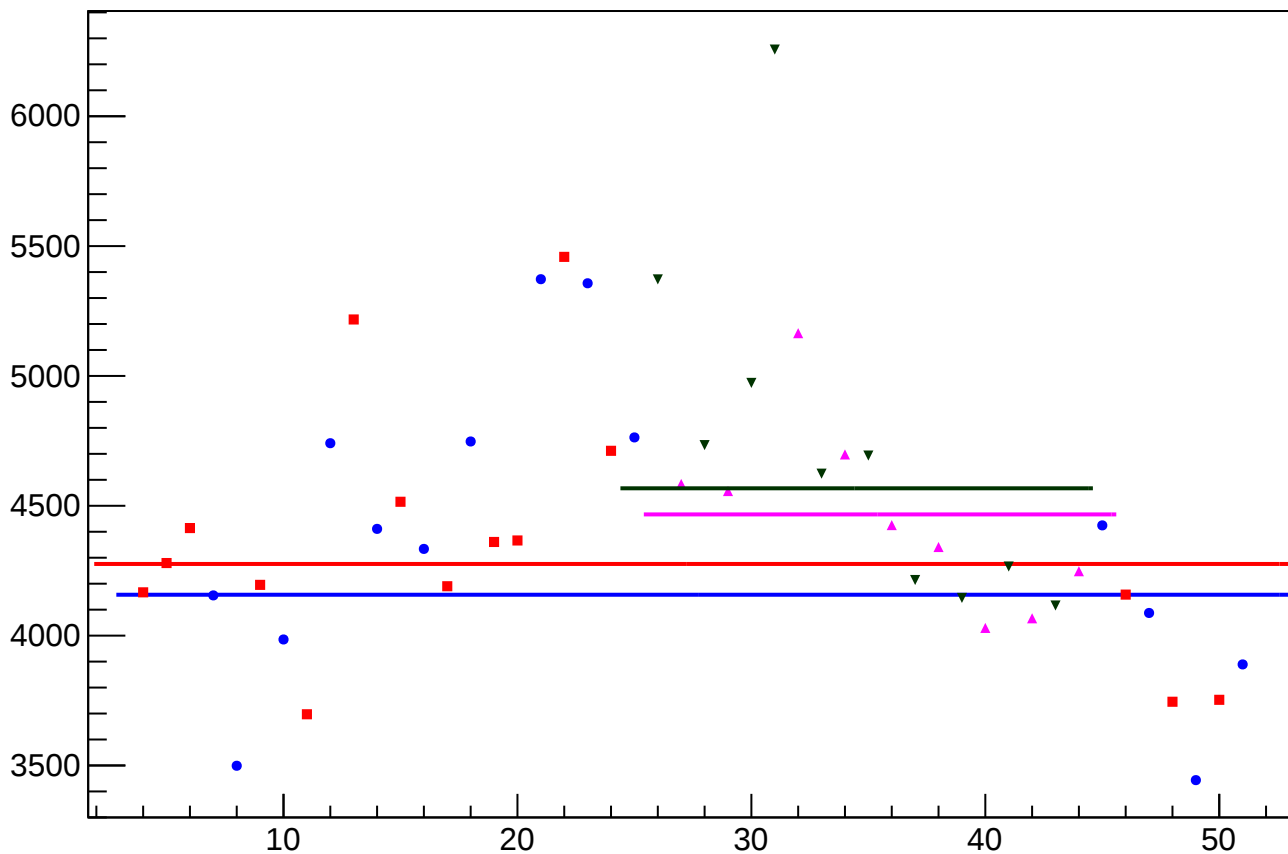
Right Out: -3.014 ± 1.528 χ^2/NDF : 16.2/14

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

0.029 ± 1.146 χ^2/NDF : 17.9/23

-0.347 ± 1.188 χ^2/NDF : 33.7/23

diff_bpm16X_rms vs slug



Right In: 4157.452 $\pm$ 0.993 χ^2 /NDF: 335197.6/13

Left Out: 4567.308 $\pm$ 1.402 χ^2 /NDF:122824.8/9

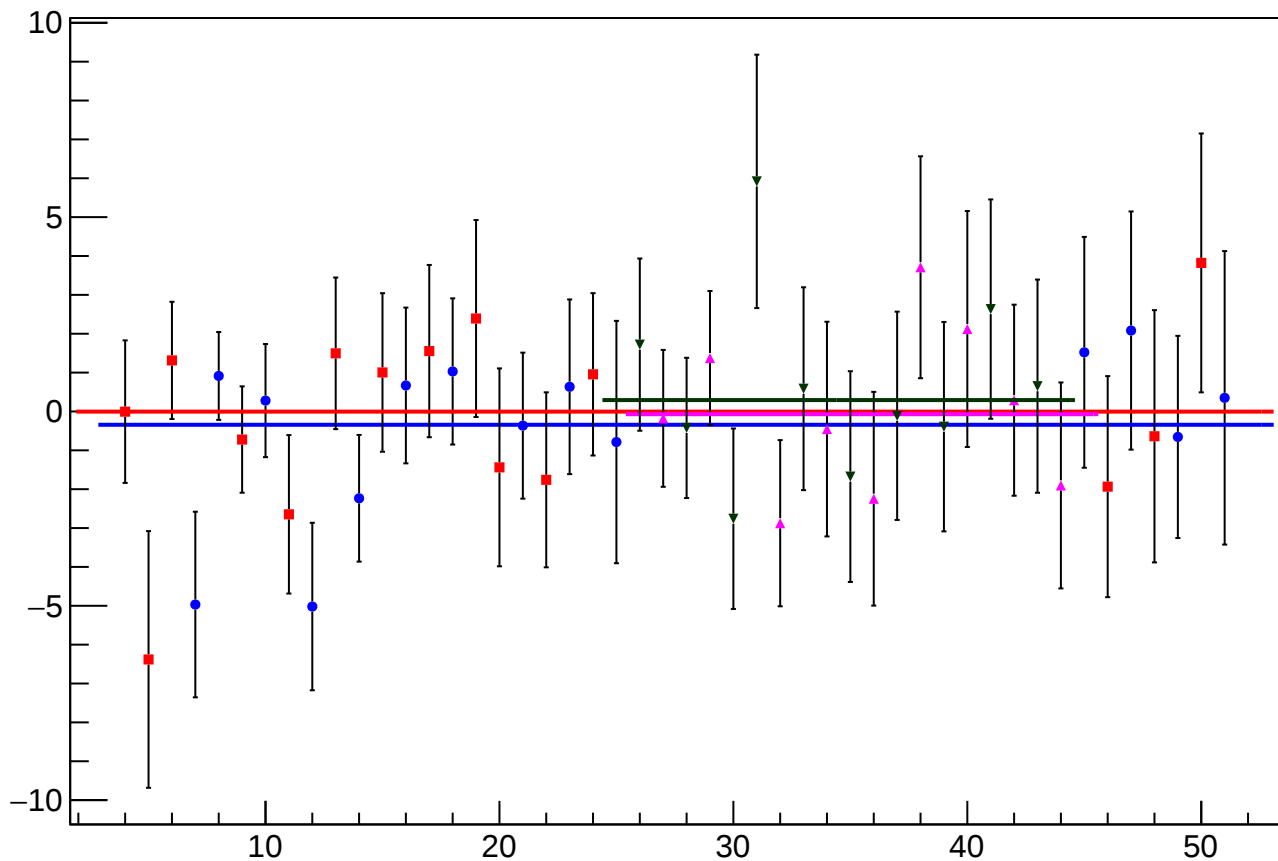
Right Out: 4275.962 $\pm$ 1.081 χ^2 /NDF: 199449.8/14

Left In: 4466.769 $\pm$ 1.336 χ^2 /NDF:61630.0/8

4294.232 $\pm$ 0.810 χ^2 /NDF: 514926.1/23

4351.395 $\pm$ 0.840 χ^2 /NDF: 273407.2/23

diff_bpm16Y_mean vs slug



Right In: -0.343 ± 0.529 $\chi^2/\text{NDF}: 13.3/13$

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

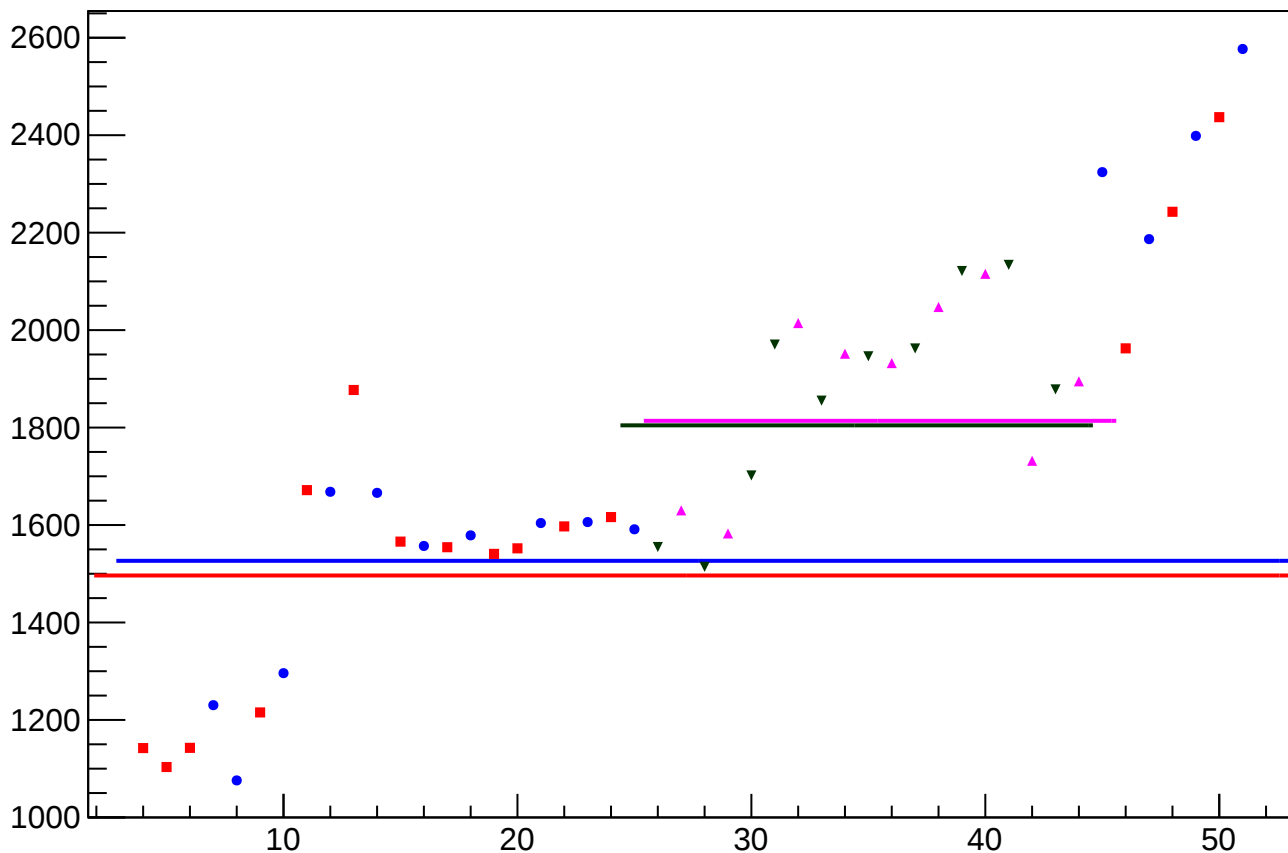
Right Out: -0.004 ± 0.546 $\chi^2/\text{NDF}: 11.6/14$

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

-0.145 ± 0.439 $\chi^2/\text{NDF}: 20.4/23$

-0.026 ± 0.446 $\chi^2/\text{NDF}: 17.5/23$

diff_bpm16Y_rms vs slug



Right In: 1526.536 $\pm$ 0.374 χ^2 /NDF: 1047406.1/13

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

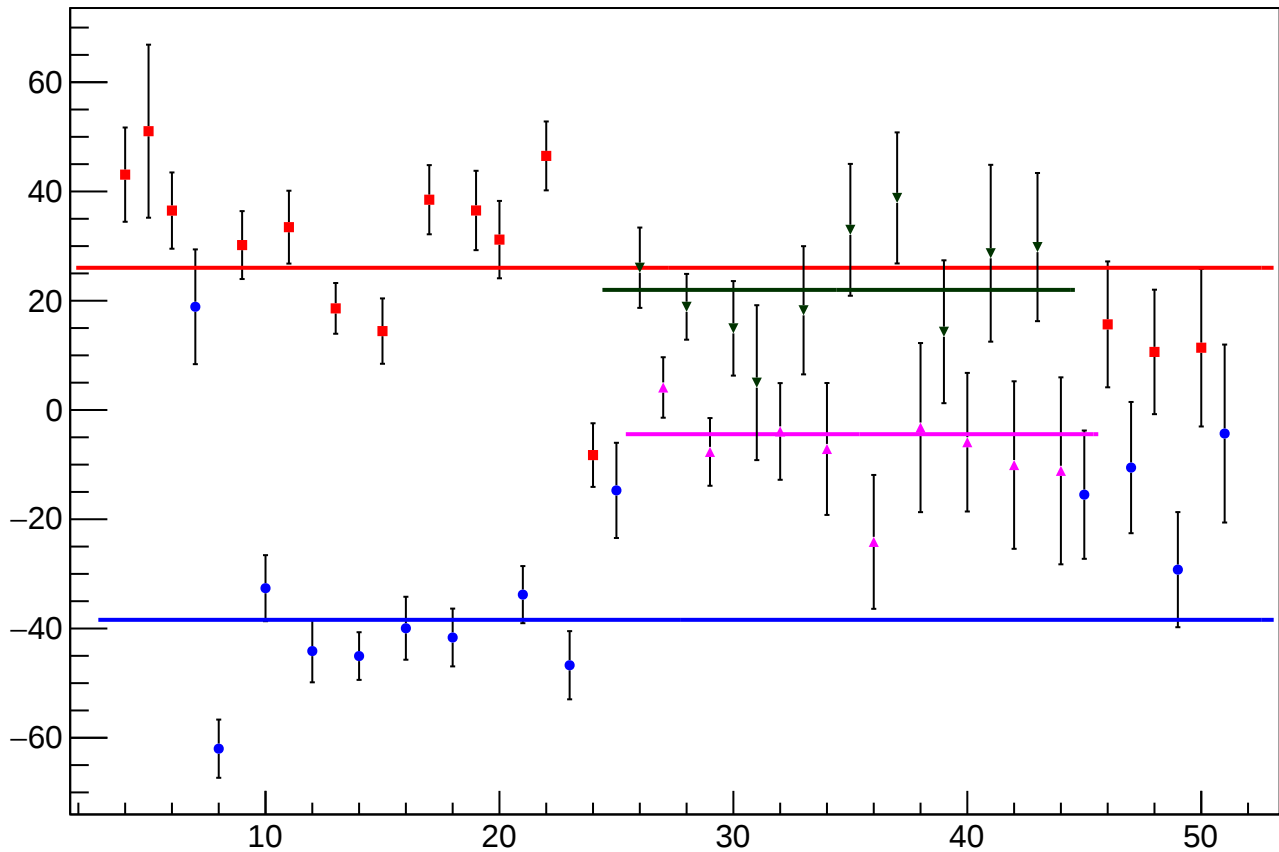
Right Out: 1496.443 $\pm$ 0.386 χ^2 /NDF: 723138.5/14

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

1612.828 $\pm$ 0.311 χ^2 /NDF: 1374732.9/23

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

diff_bpm0l01X_mean vs slug



Right In: -38.410 ± 1.760 $\chi^2/\text{NDF}: 78.3/13$

Left Out: 21.984 ± 3.153 $\chi^2/\text{NDF}: 6.4/9$

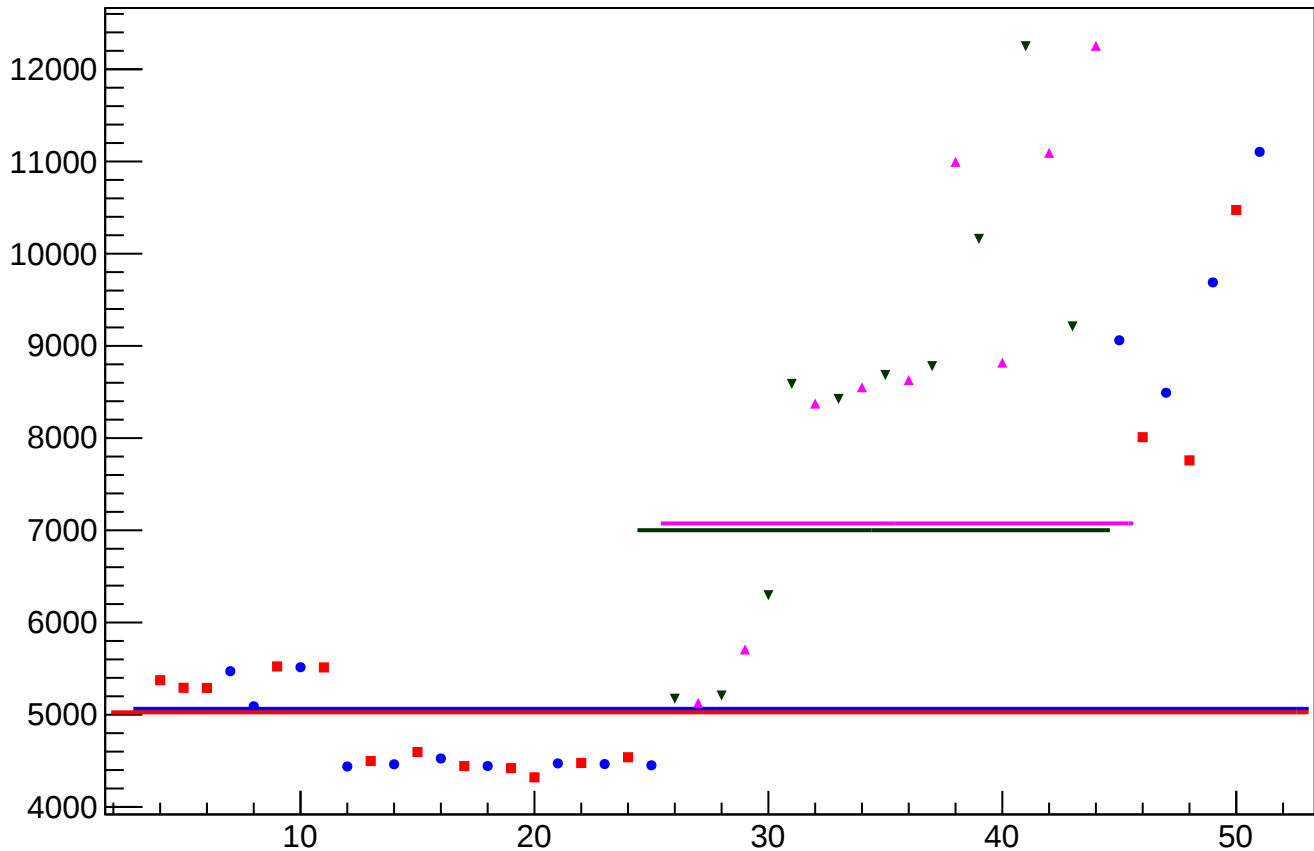
Right Out: 26.031 ± 1.828 $\chi^2/\text{NDF}: 72.0/14$

Left In: -4.429 ± 3.116 $\chi^2/\text{NDF}: 5.6/8$

-24.067 ± 1.536 $\chi^2/\text{NDF}: 364.5/23$

18.228 ± 1.577 $\chi^2/\text{NDF}: 148.7/23$

diff_bpm0l01X_rms vs slug



Right In: 5064.016+/-1.244 χ^2/NDF : 1229866.7/13

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

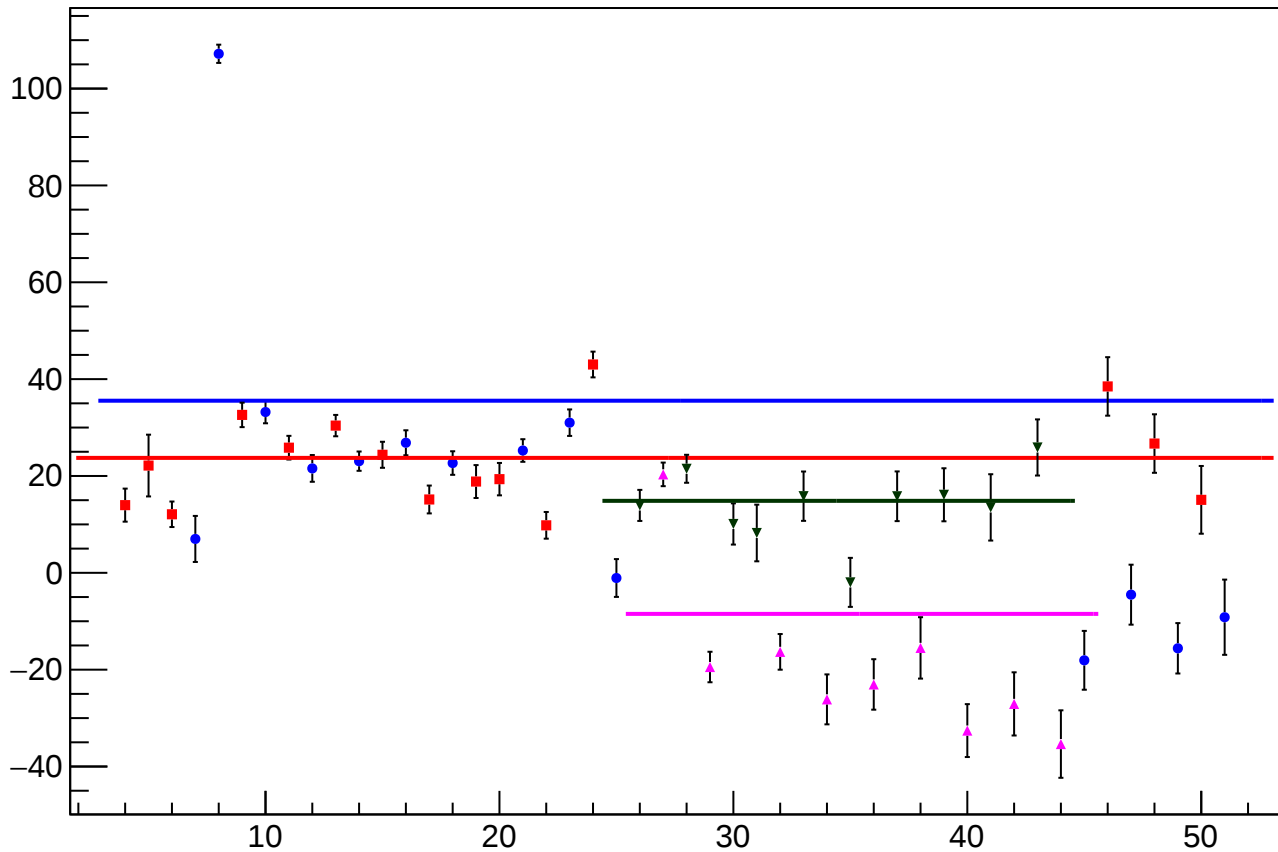
Right Out: 5025.810+/-1.293 χ^2/NDF : 680983.6/14

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

5524.056+/-1.086 χ^2/NDF : 2637324.6/23

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

diff_bpm0l01Y_mean vs slug



Right In: 35.544 ± 0.766 $\chi^2/\text{NDF}: 1946.5/13$

Left Out: 14.865 ± 1.412 $\chi^2/\text{NDF}: 22.7/9$

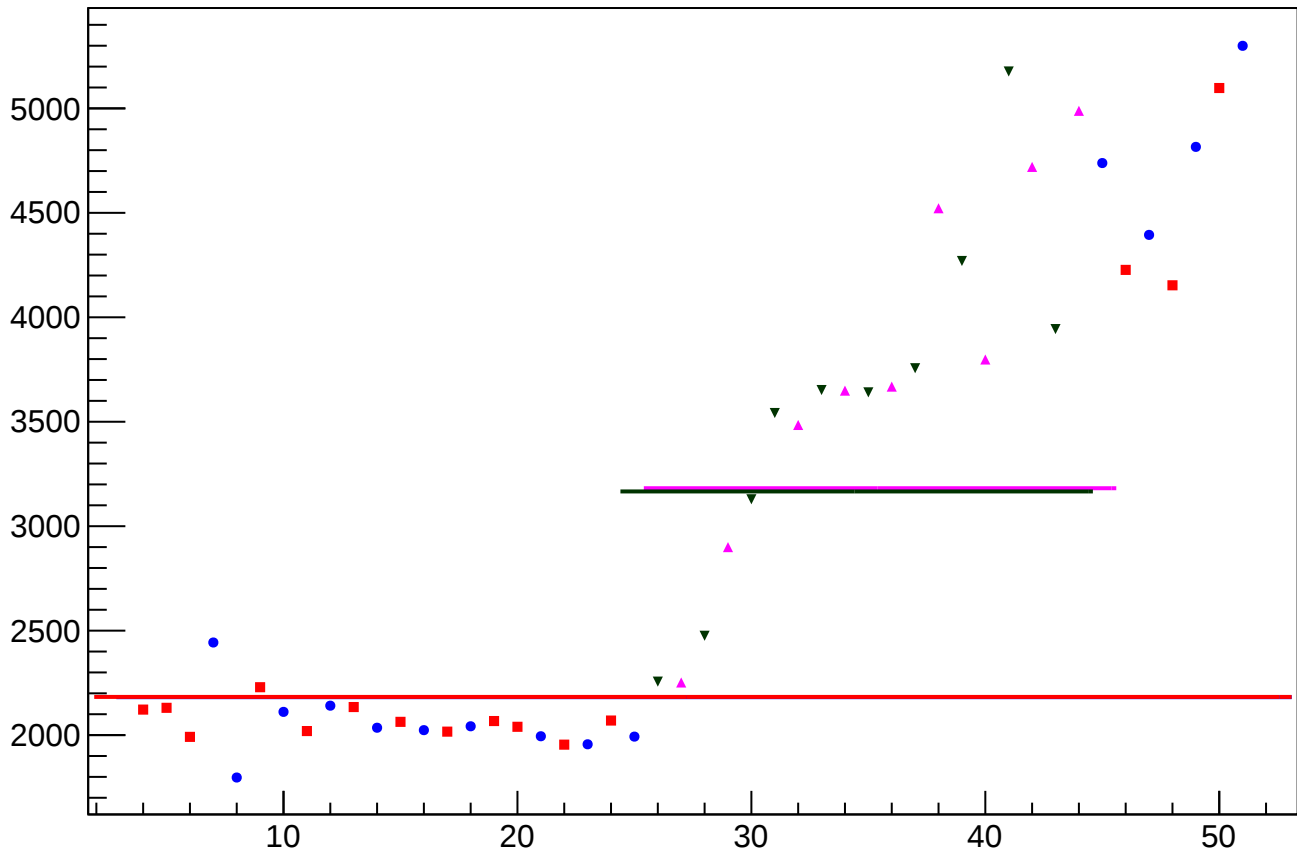
Right Out: 23.736 ± 0.799 $\chi^2/\text{NDF}: 148.7/14$

Left In: -8.480 ± 1.387 $\chi^2/\text{NDF}: 219.8/8$

30.839 ± 0.674 $\chi^2/\text{NDF}: 2134.9/23$

15.712 ± 0.692 $\chi^2/\text{NDF}: 773.9/23$

diff_bpm0l01Y_rms vs slug



Right In: 2181.557+/-0.542 χ^2/NDF : 1592446.8/13

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

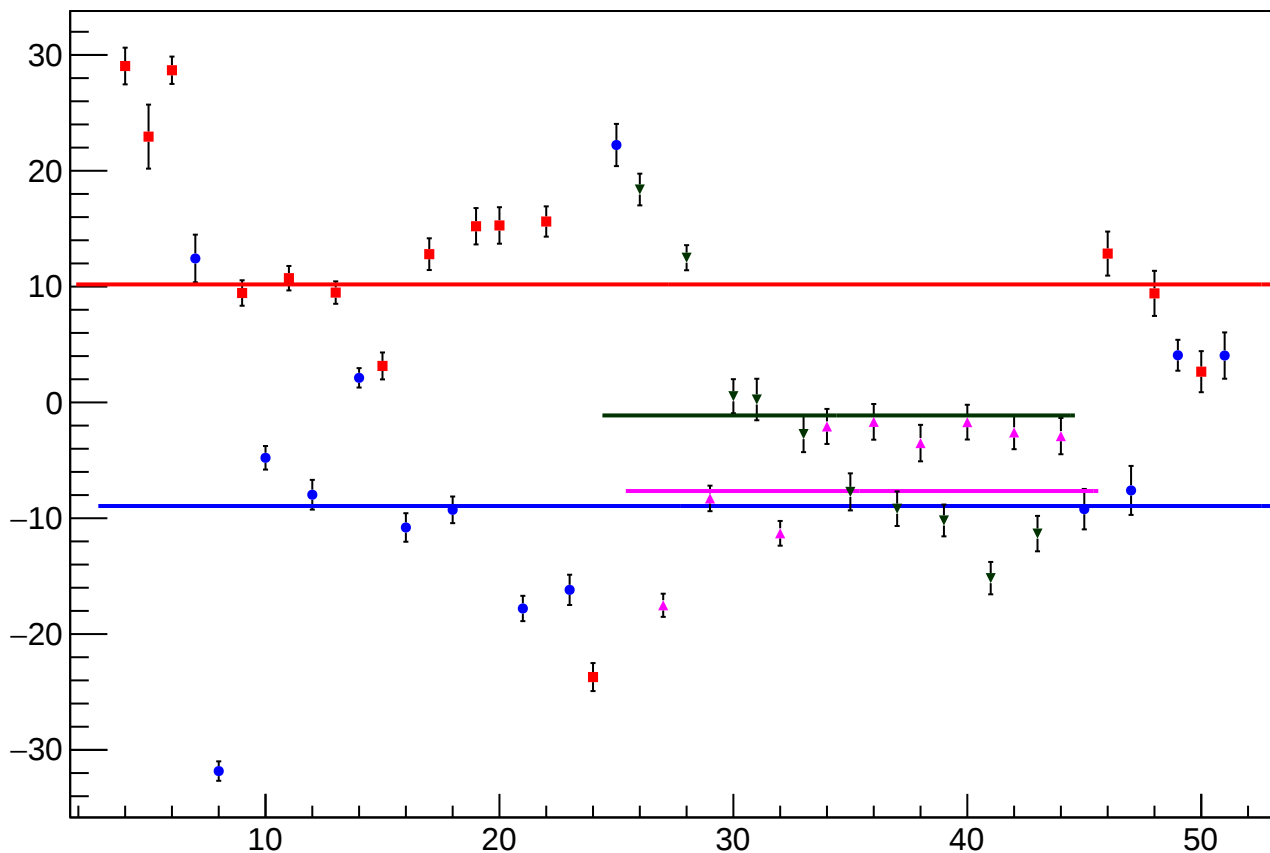
2405.619+/-0.476 χ^2/NDF : 2979353.7/23

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: -8.944 ± 0.330 χ^2/NDF : 1573.0/13

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

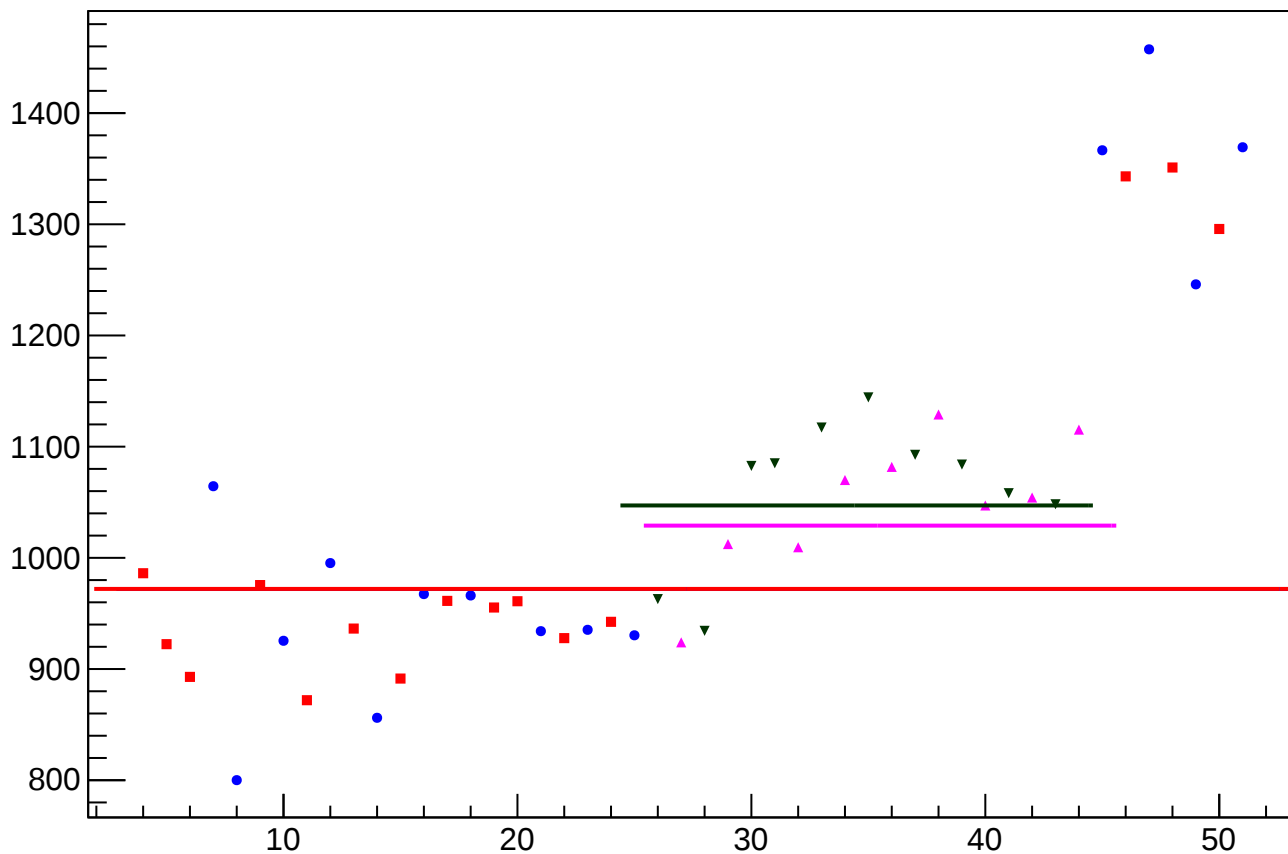
Right Out: 10.188 ± 0.348 χ^2/NDF : 1293.9/14

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

-6.226 ± 0.267 χ^2/NDF : 2366.8/23

3.216 ± 0.272 χ^2/NDF : 2502.0/23

diff_bpm2i01X_rms vs slug



Right In: 971.970 $\pm$ 0.234 χ^2/NDF : 507290.4/13

Left Out: 1047.121 $\pm$ 0.320 χ^2/NDF : 46145.4/9

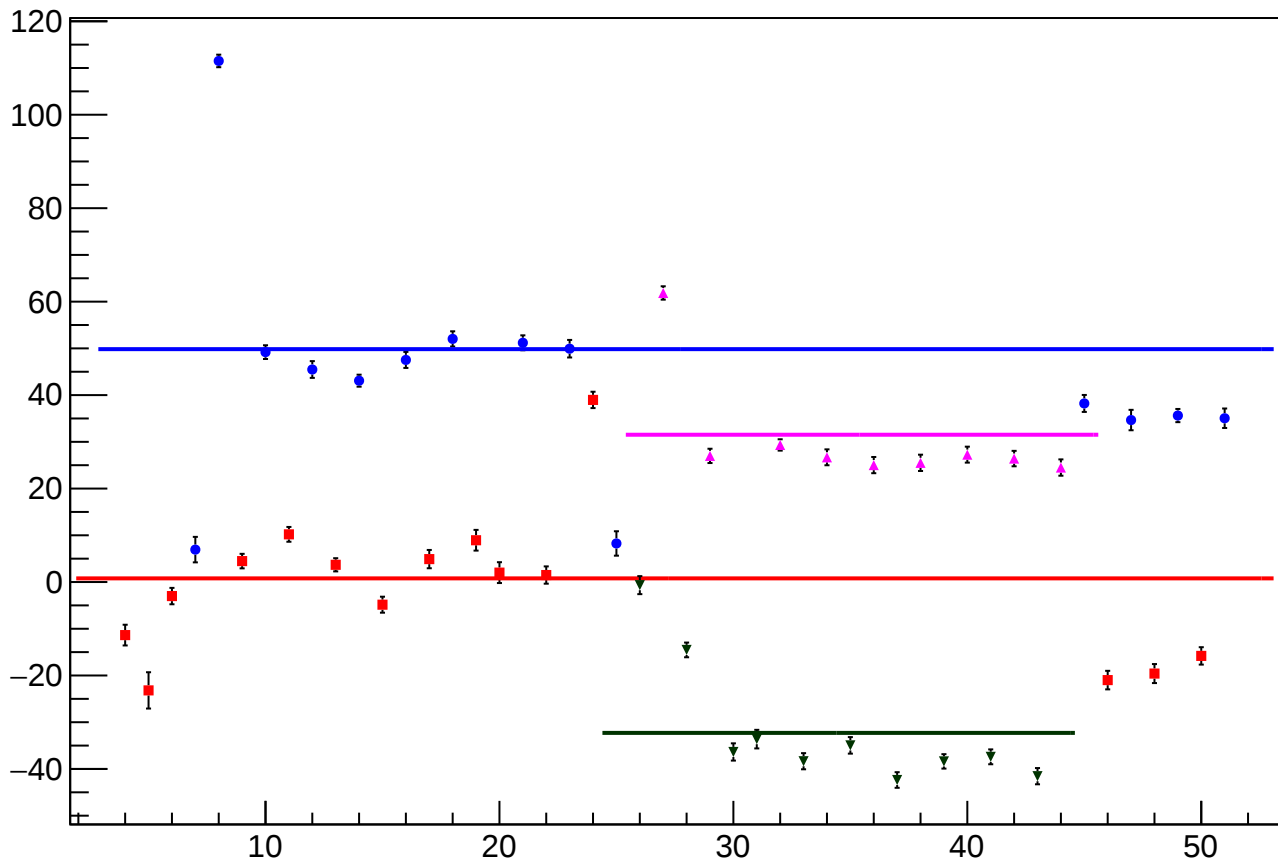
Right Out: 972.049 $\pm$ 0.246 χ^2/NDF : 262719.4/14

Left In: 1028.985 $\pm$ 0.307 χ^2/NDF : 42067.0/8

998.085 $\pm$ 0.189 χ^2/NDF : 589393.3/23

994.302 $\pm$ 0.192 χ^2/NDF : 325692.6/23

diff_bpm2i01Y_mean vs slug



Right In: 49.835 $\pm$ 0.454 χ^2 /NDF: 2892.2/13

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

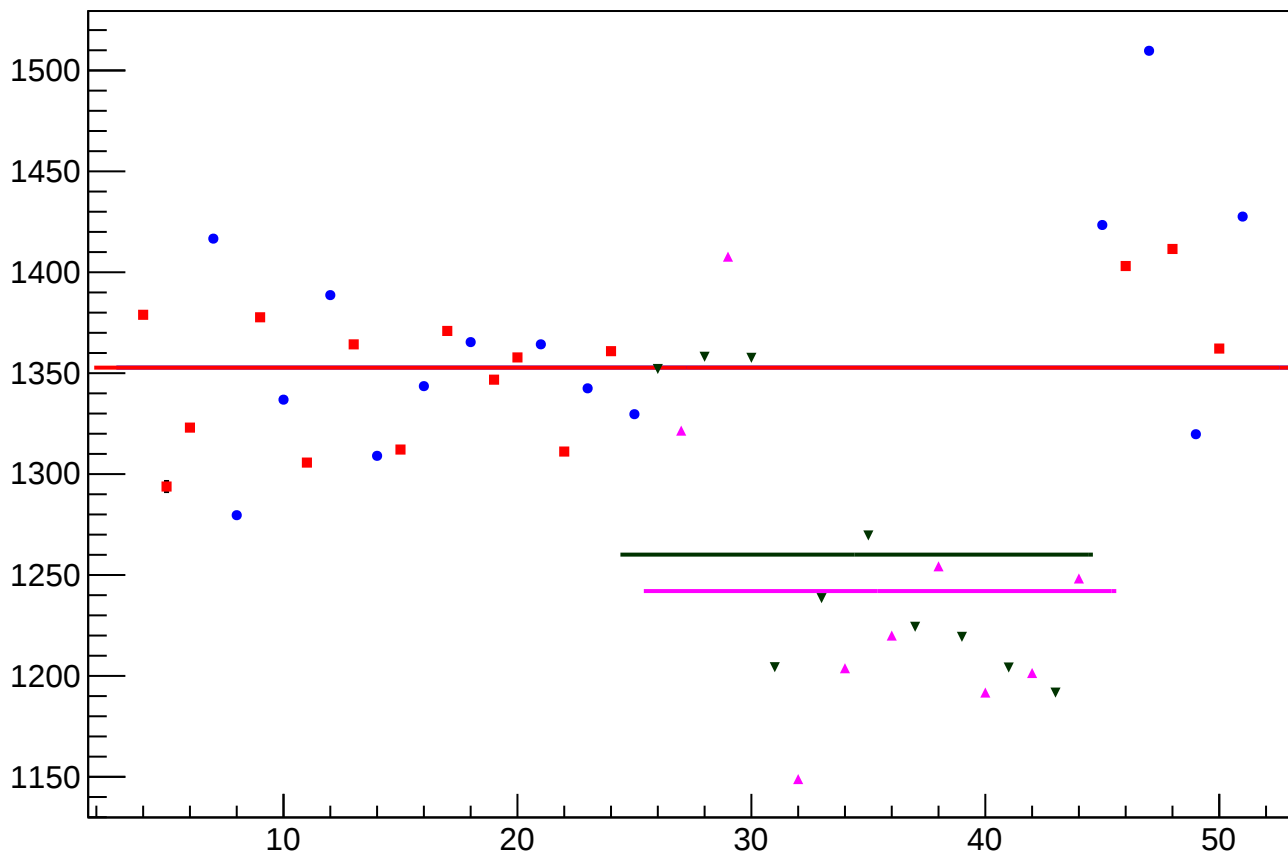
Right Out: 0.781 $\pm$ 0.481 χ^2 /NDF: 924.6/14

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

16.151 $\pm$ 0.348 χ^2 /NDF: 16834.2/23

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

diff_bpm2i01Y_rms vs slug



Right In: 1352.786 $\pm$ 0.321 χ^2 /NDF: 27928.4/13

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

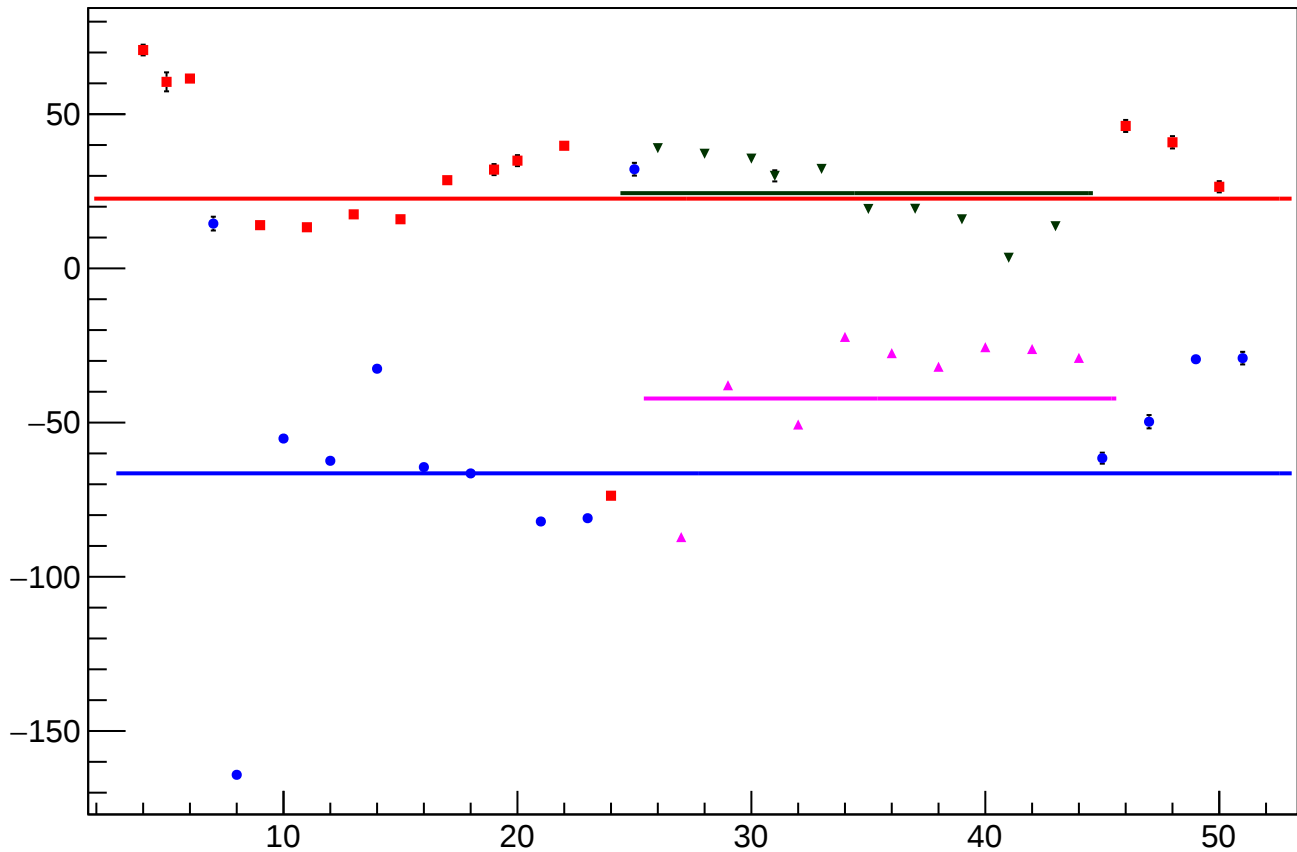
Right Out: 1352.748 $\pm$ 0.340 χ^2 /NDF: 9115.6/14

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

1314.766 $\pm$ 0.246 χ^2 /NDF: 89875.9/23

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

diff_bpm2i02X_mean vs slug



Right In: -66.456 $\pm$ 0.370 χ^2 /NDF: 16346.2/13

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

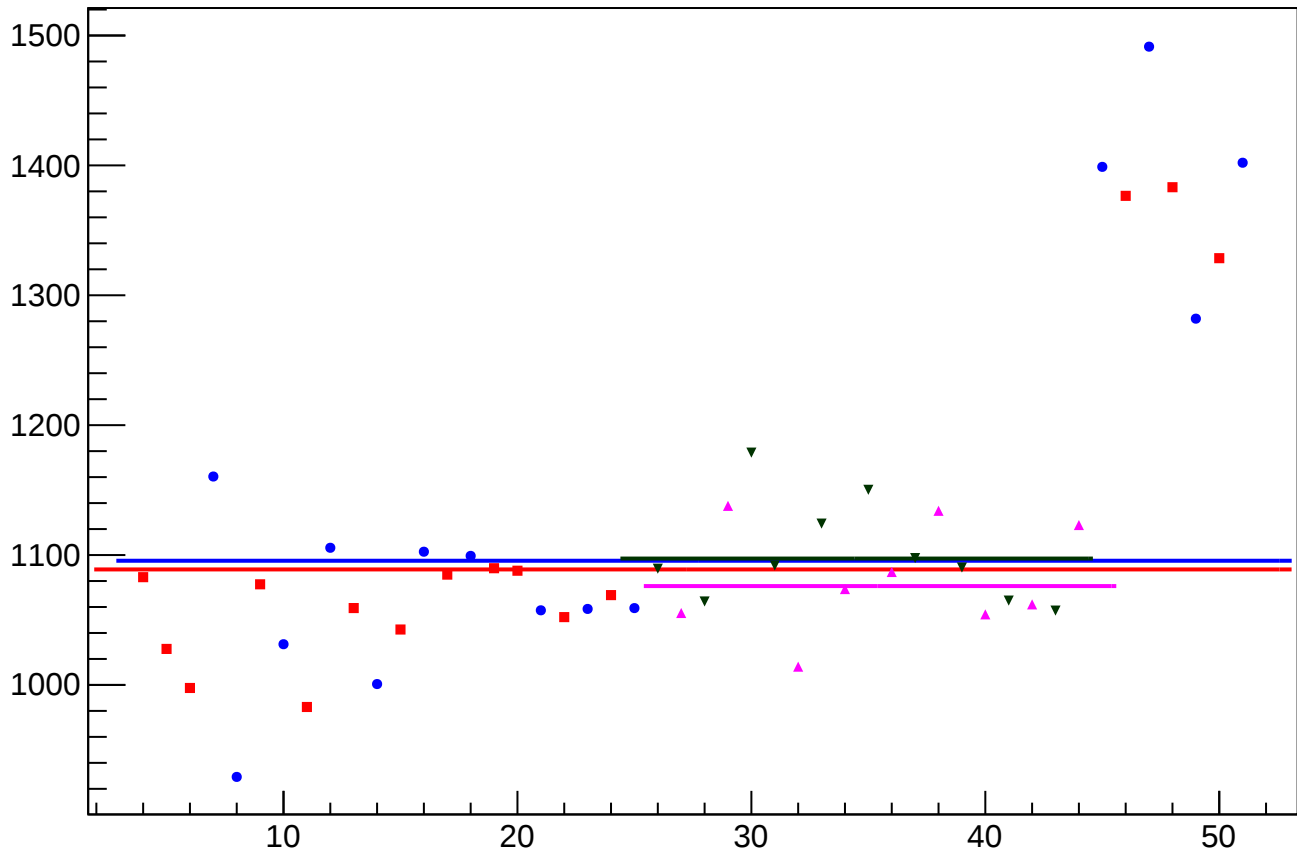
Right Out: 22.615 $\pm$ 0.389 χ^2 /NDF: 7335.7/14

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

-32.012 $\pm$ 0.292 χ^2 /NDF: 39806.0/23

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

diff_bpm2i02X_rms vs slug



Right In: 1095.614+/-0.262 χ^2/NDF : 295656.9/13

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

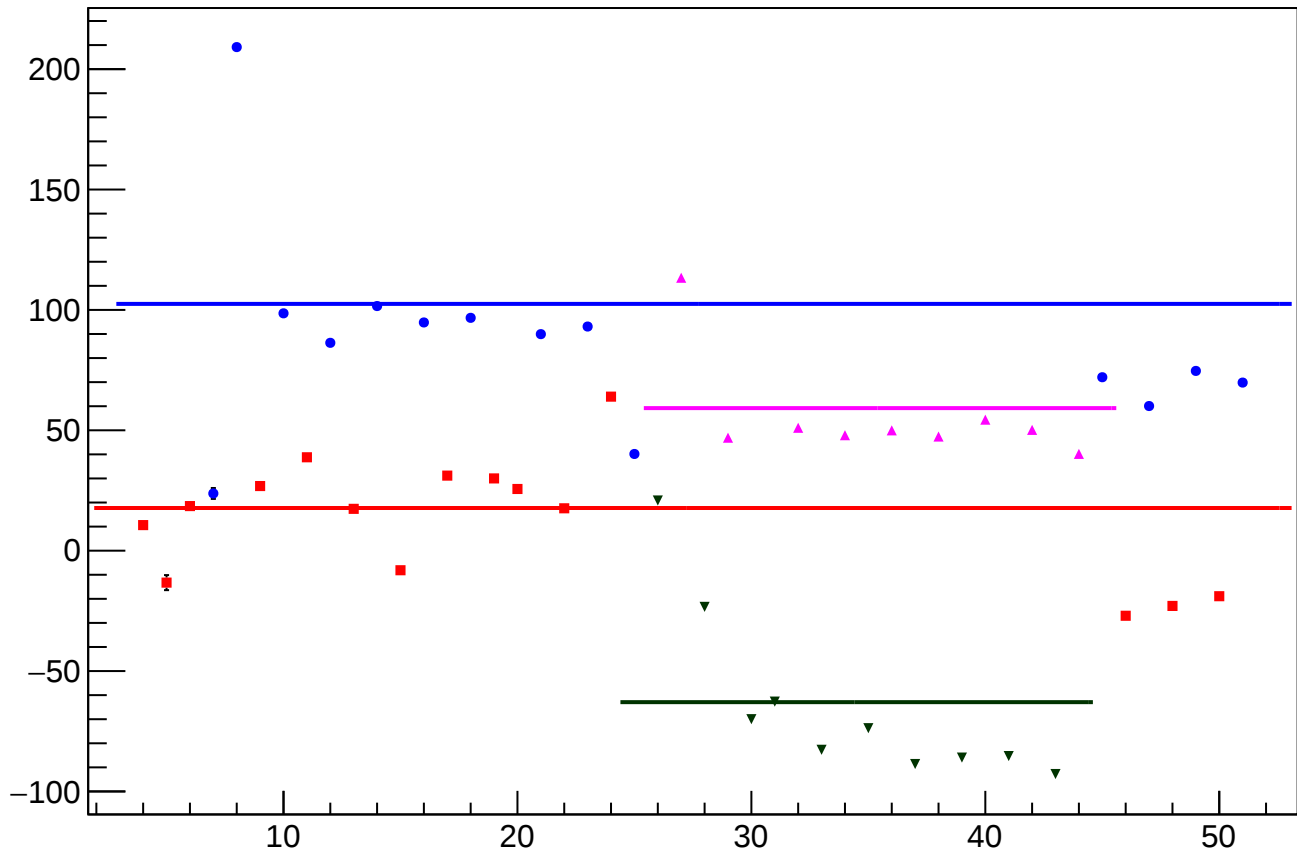
1096.252+/-0.206 χ^2/NDF : 307588.0/23

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

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

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

diff_bpm2i02Y_mean vs slug



Right In: 102.502 $\pm$ 0.372 χ^2 /NDF: 15102.4/13

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

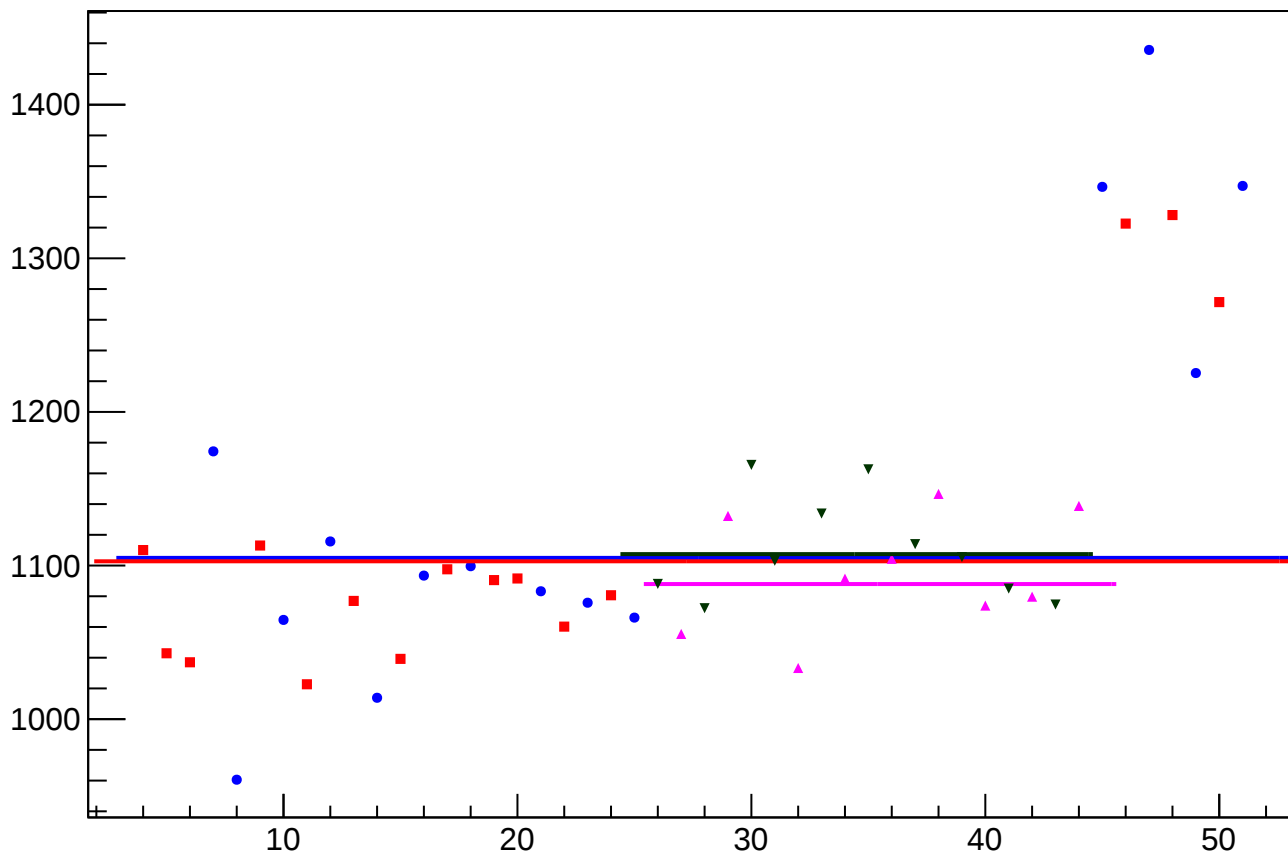
Right Out: 17.725 $\pm$ 0.393 χ^2 /NDF: 3540.2/14

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

40.002 $\pm$ 0.294 χ^2 /NDF: 95011.5/23

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

diff_bpm2i02Y_rms vs slug



Right In: 1104.986 ± 0.263 χ^2/NDF : 201582.1/13

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

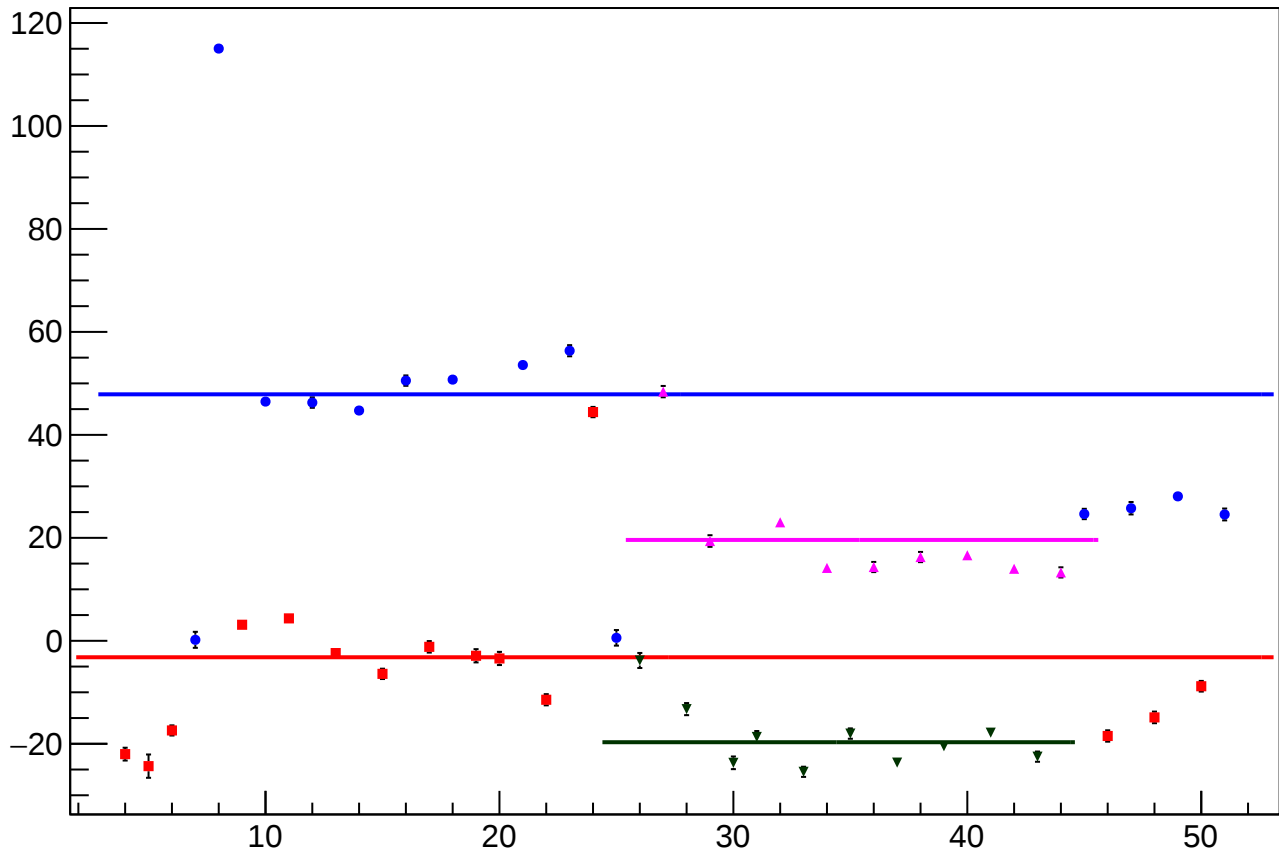
Right Out: 1102.760 ± 0.278 χ^2/NDF : 95765.5/14

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

1105.913 ± 0.208 χ^2/NDF : 210517.5/23

1096.492 ± 0.211 χ^2/NDF : 111374.1/23

diff_bpm1i04X_mean vs slug



Right In: 47.876 ± 0.258 $\chi^2/\text{NDF}: 11810.3/13$

Left Out: -19.696 ± 0.329 $\chi^2/\text{NDF}: 226.0/9$

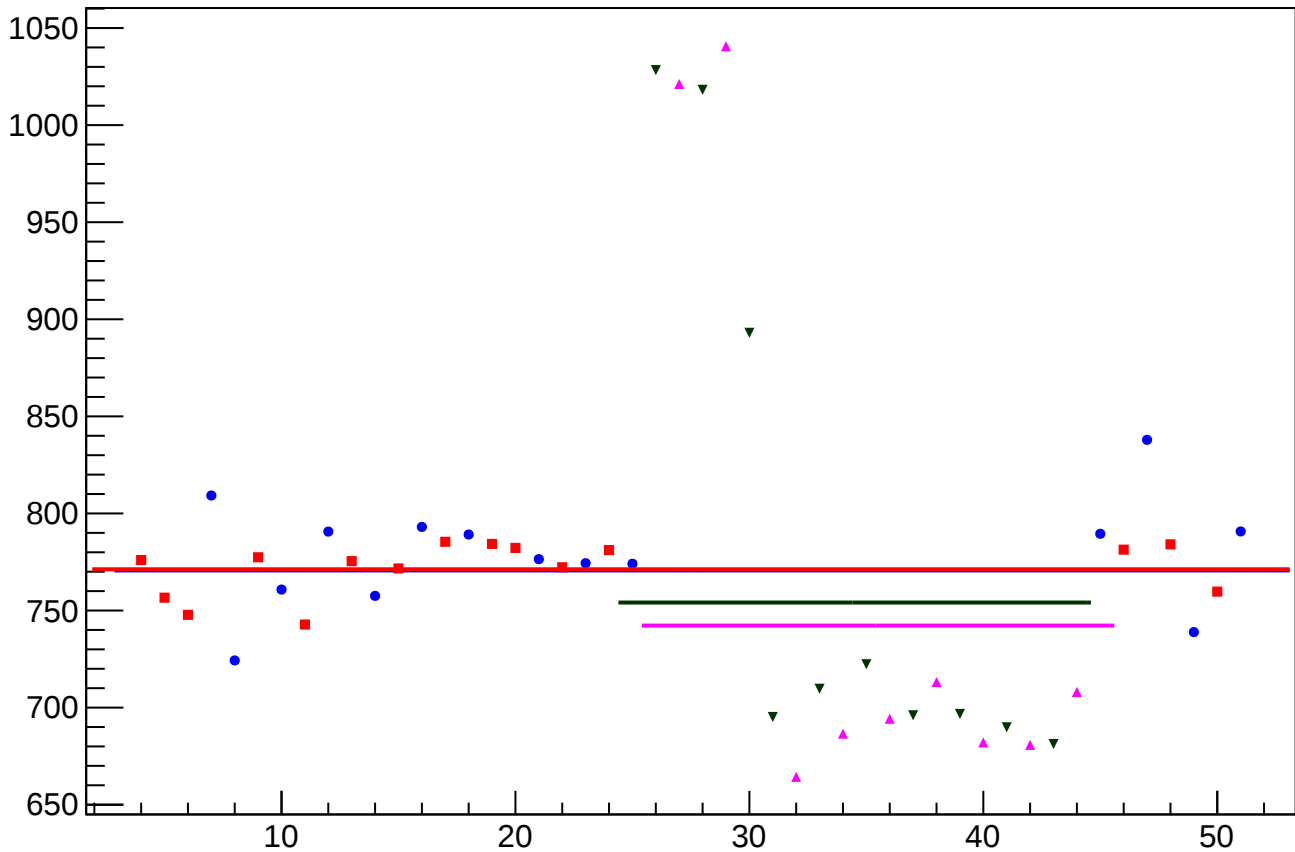
Right Out: -3.195 ± 0.274 $\chi^2/\text{NDF}: 3303.0/14$

Left In: 19.595 ± 0.317 $\chi^2/\text{NDF}: 863.4/8$

22.159 ± 0.203 $\chi^2/\text{NDF}: 38129.6/23$

6.540 ± 0.207 $\chi^2/\text{NDF}: 7126.4/23$

diff_bpm1i04X_rms vs slug



Right In: 770.643 $\pm$ 0.182 χ^2 /NDF: 22972.5/13

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

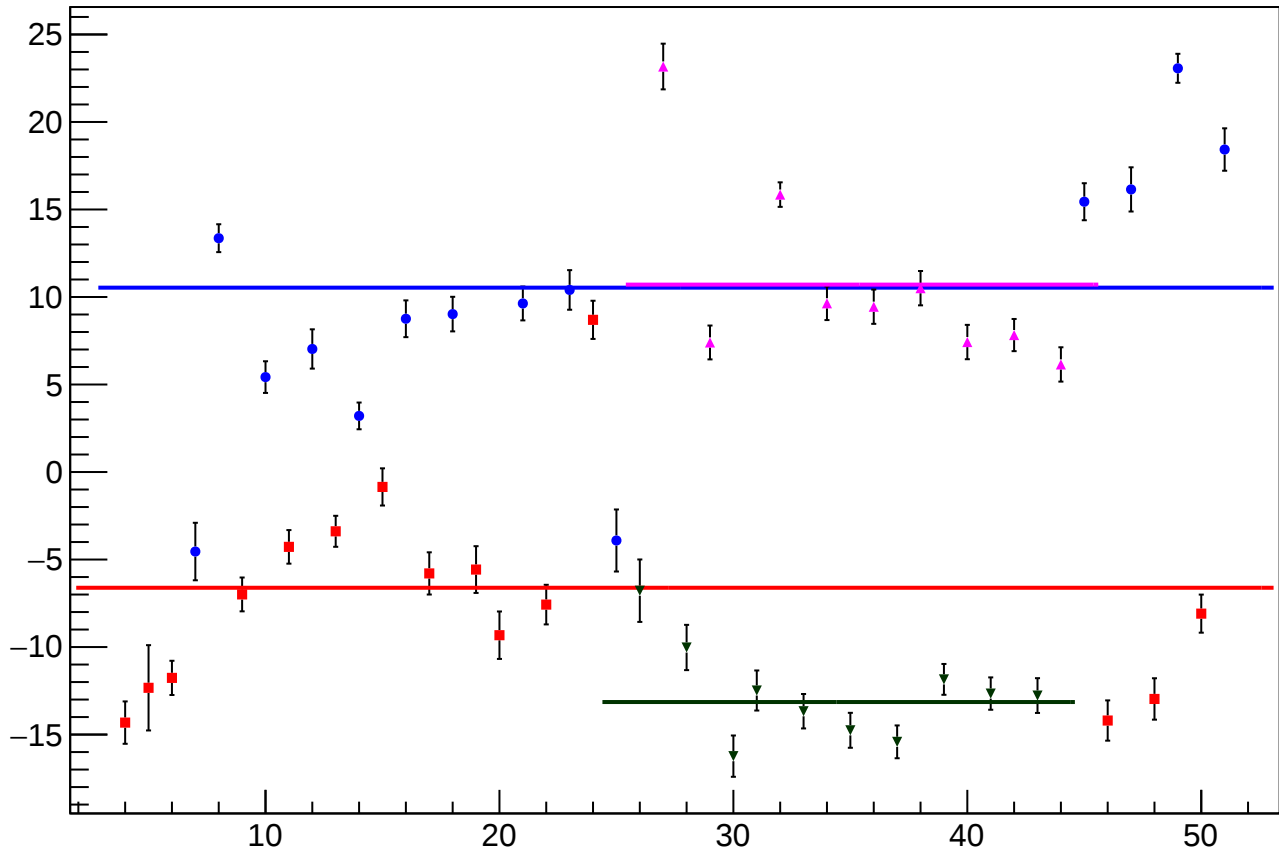
Right Out: 771.255 $\pm$ 0.194 χ^2 /NDF: 4941.3/14

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

764.354 $\pm$ 0.144 χ^2 /NDF: 270589.2/23

758.861 $\pm$ 0.147 χ^2 /NDF: 338570.4/23

diff_bpm1i04Y_mean vs slug



Right In: 10.534 ± 0.273 χ^2/NDF : 615.8/13

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

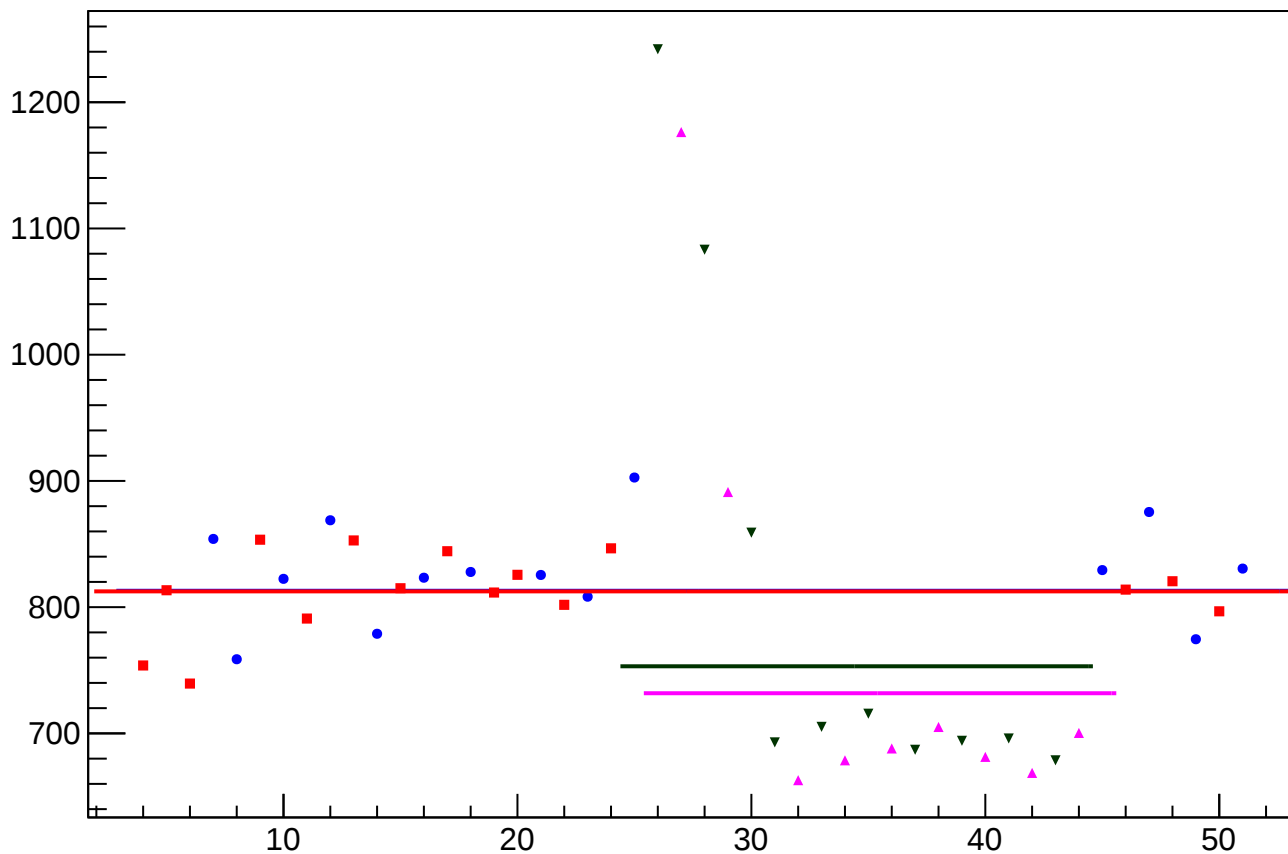
Right Out: -6.612 ± 0.289 χ^2/NDF : 399.4/14

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

1.012 ± 0.211 χ^2/NDF : 3681.8/23

1.334 ± 0.213 χ^2/NDF : 2245.6/23

diff_bpm1i04Y_rms vs slug



Right In: 812.976 $\pm$ 0.193 χ^2 /NDF: 35897.4/13

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

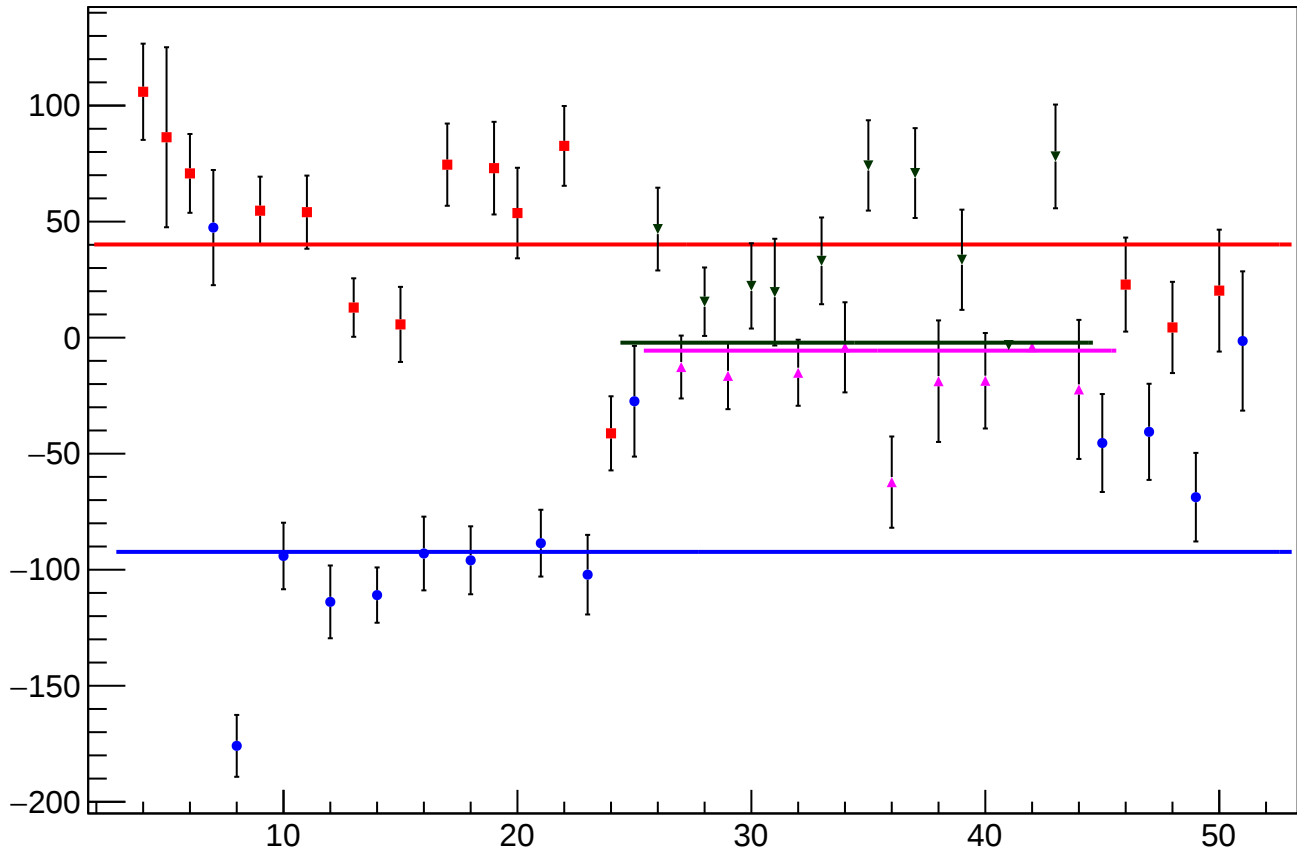
Right Out: 812.509 $\pm$ 0.205 χ^2 /NDF: 28856.3/14

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

788.919 $\pm$ 0.149 χ^2 /NDF: 422022.4/23

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

diff_bpm0l02X_mean vs slug



Right In: -92.315 ± 4.460 χ^2/NDF : 105.1/13

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

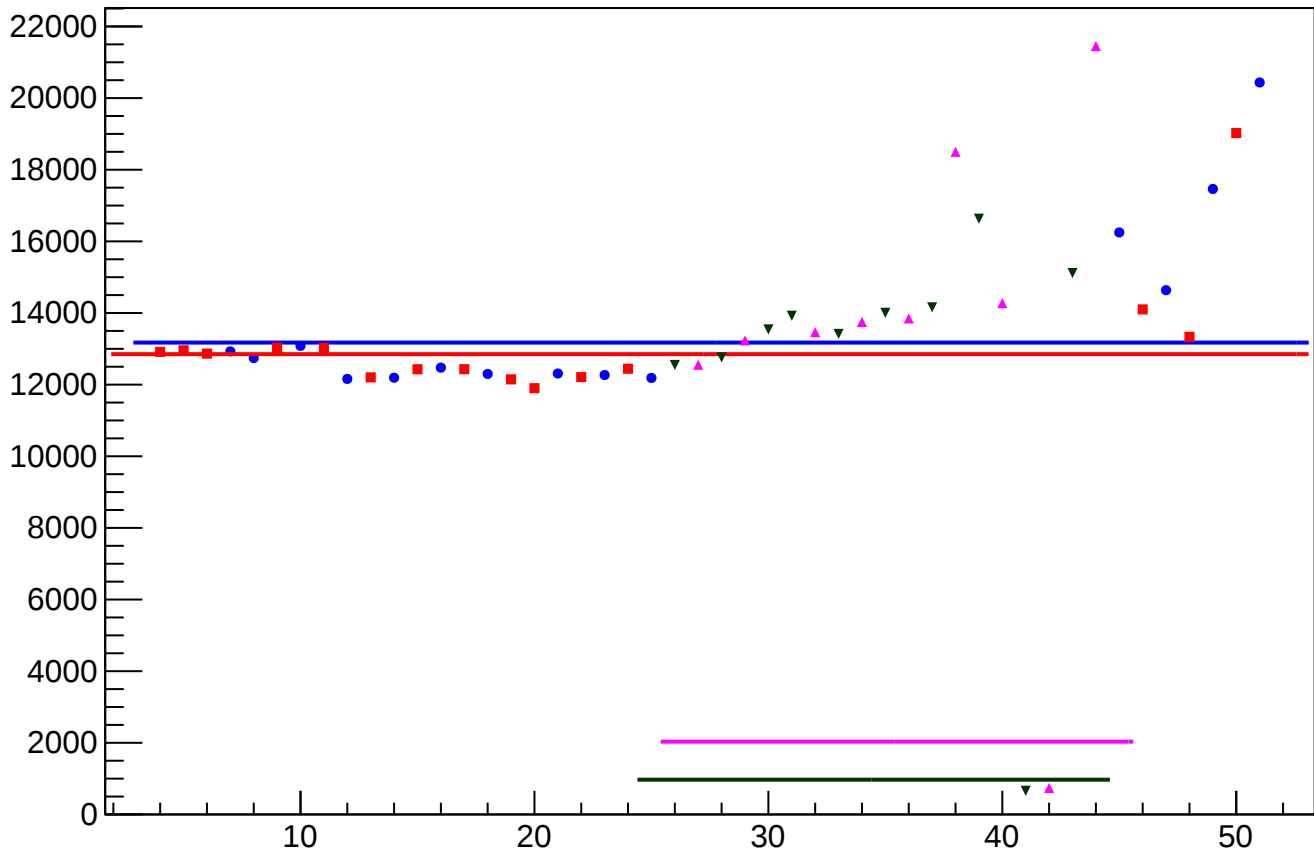
Right Out: 40.145 ± 4.595 χ^2/NDF : 69.3/14

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

-6.252 ± 0.950 χ^2/NDF : 556.8/23

1.431 ± 1.801 χ^2/NDF : 164.3/23

diff_bpm0l02X_rms vs slug



Right In: 13174.364+/-3.154 χ^2/NDF : 322091.1/13

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

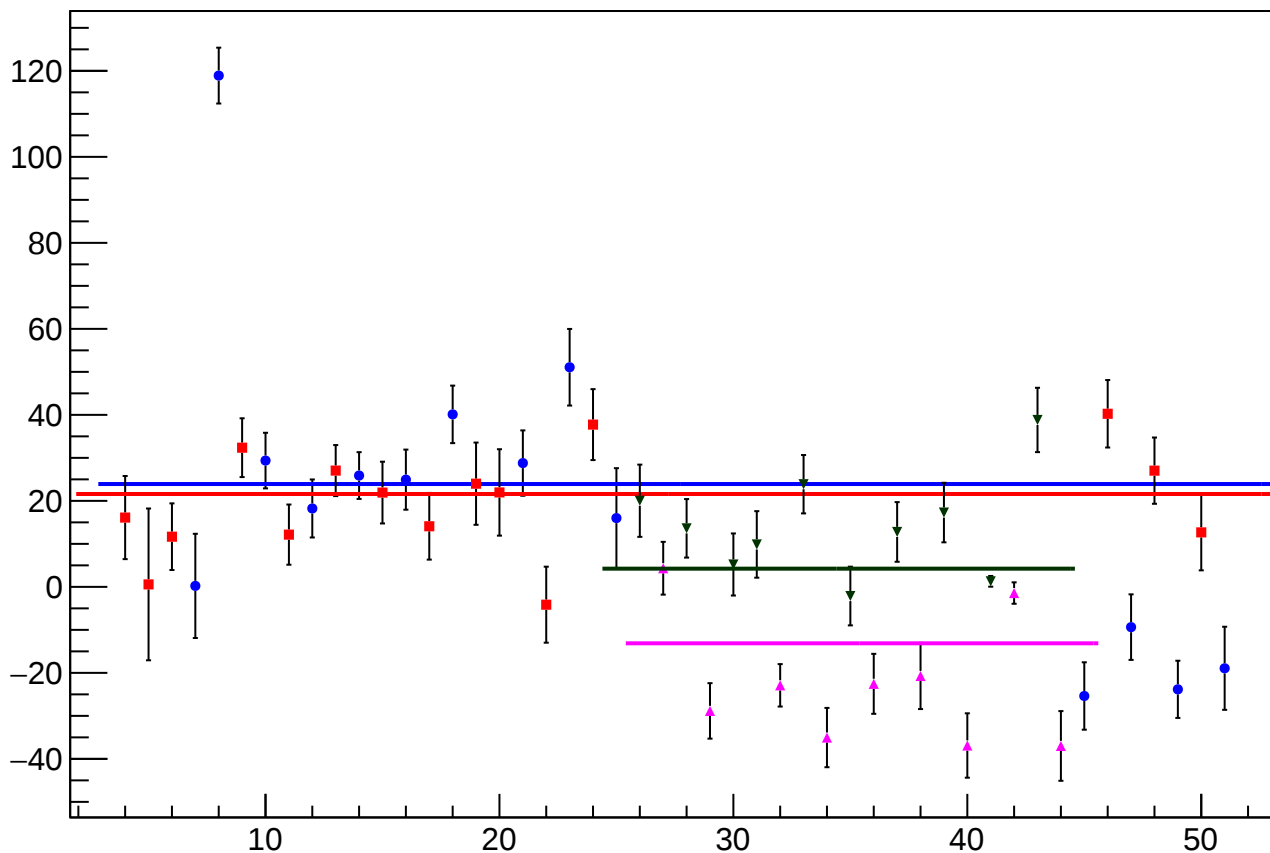
1523.745+/-0.671 χ^2/NDF : 23074992.6/23

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: 23.916 $\pm$ 1.972 χ^2 /NDF: 365.2/13

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

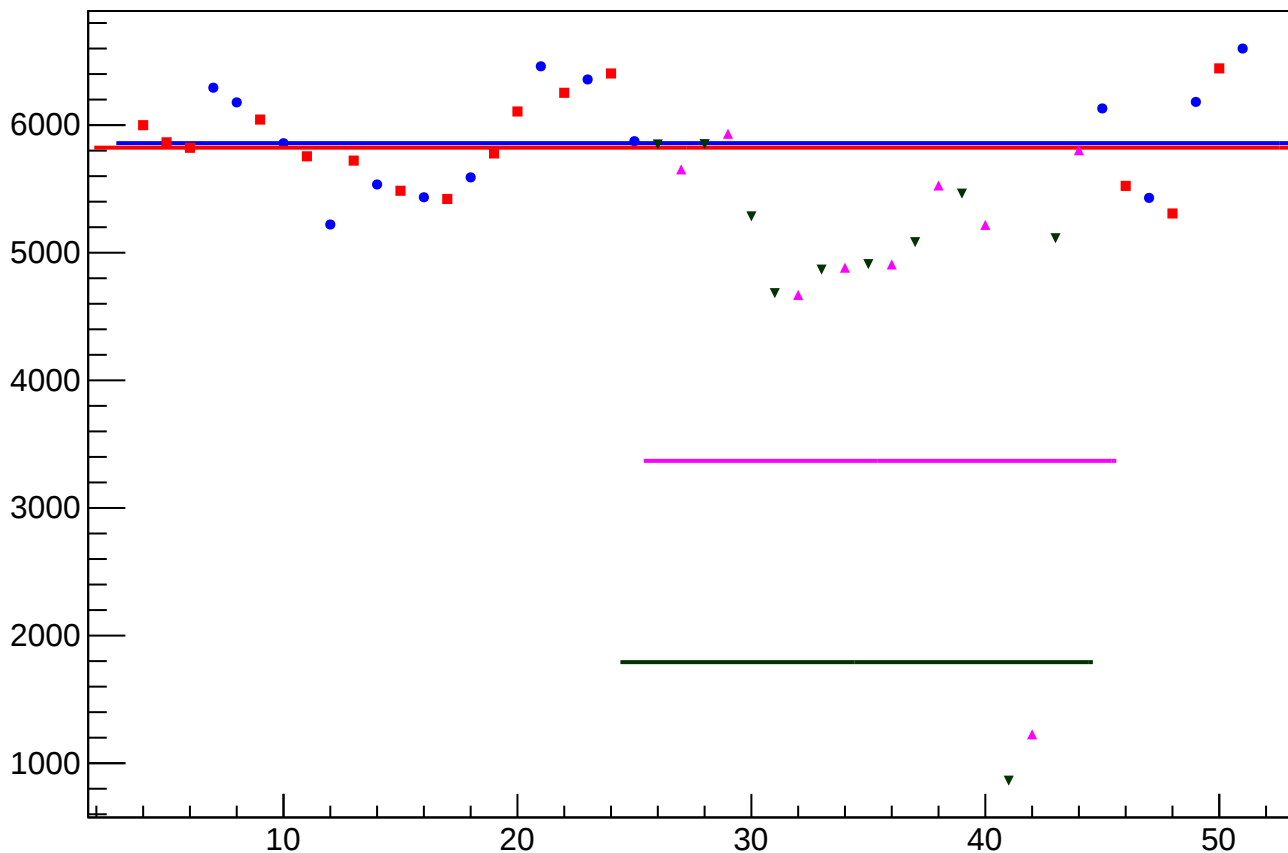
Right Out: 21.596 $\pm$ 2.080 χ^2 /NDF: 29.0/14

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

8.941 $\pm$ 0.964 χ^2 /NDF: 488.3/23

0.815 $\pm$ 1.318 χ^2 /NDF: 267.4/23

diff_bpm0l02Y_rms vs slug



Right In: 5858.630+/-1.394 χ^2/NDF : 87033.4/13

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

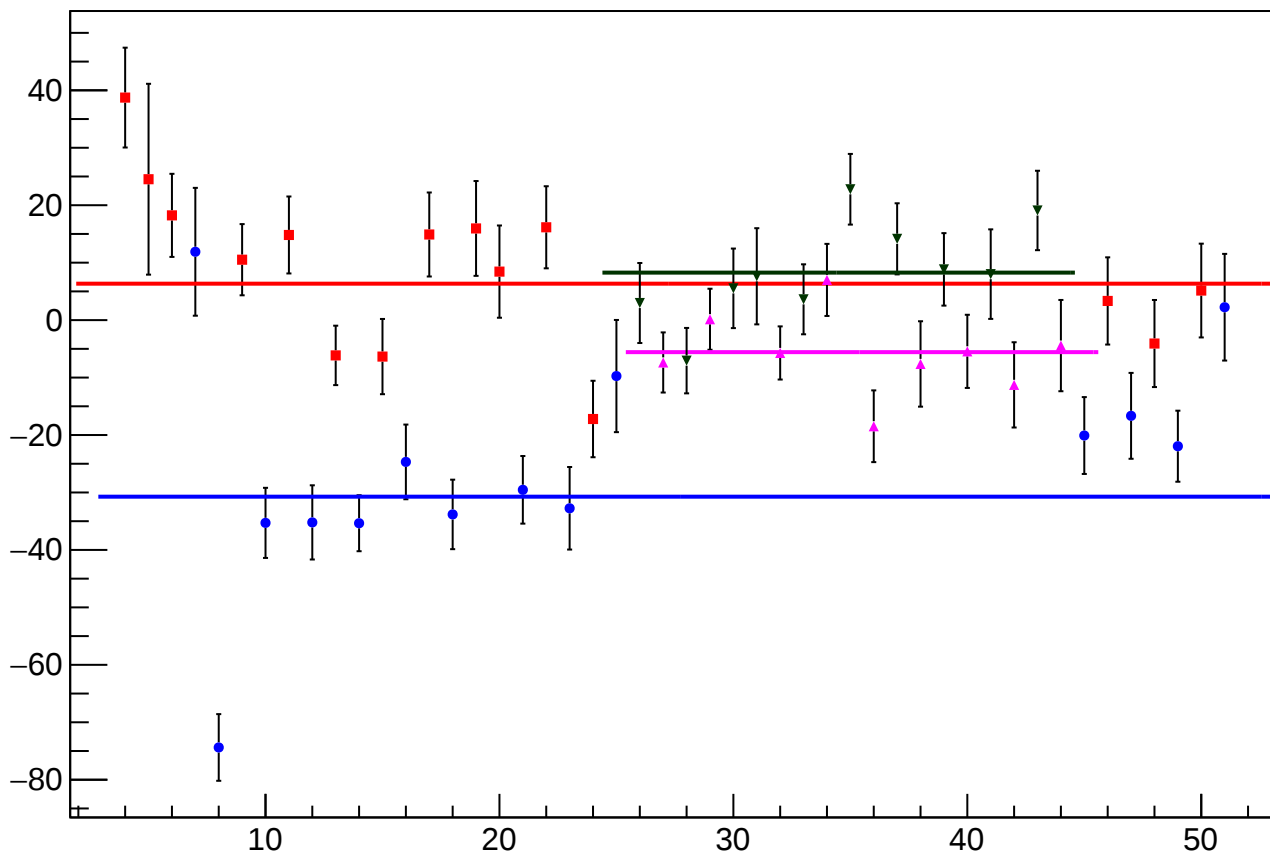
Right Out: 5823.169+/-1.471 χ^2/NDF : 51392.3/14

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

2764.499+/-0.682 χ^2/NDF : 11832405.1/23

4354.410+/-0.932 χ^2/NDF : 4583305.3/23

diff_bpm0l03X_mean vs slug



Right In: -30.731 ± 1.772 χ^2/NDF : 99.8/13

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

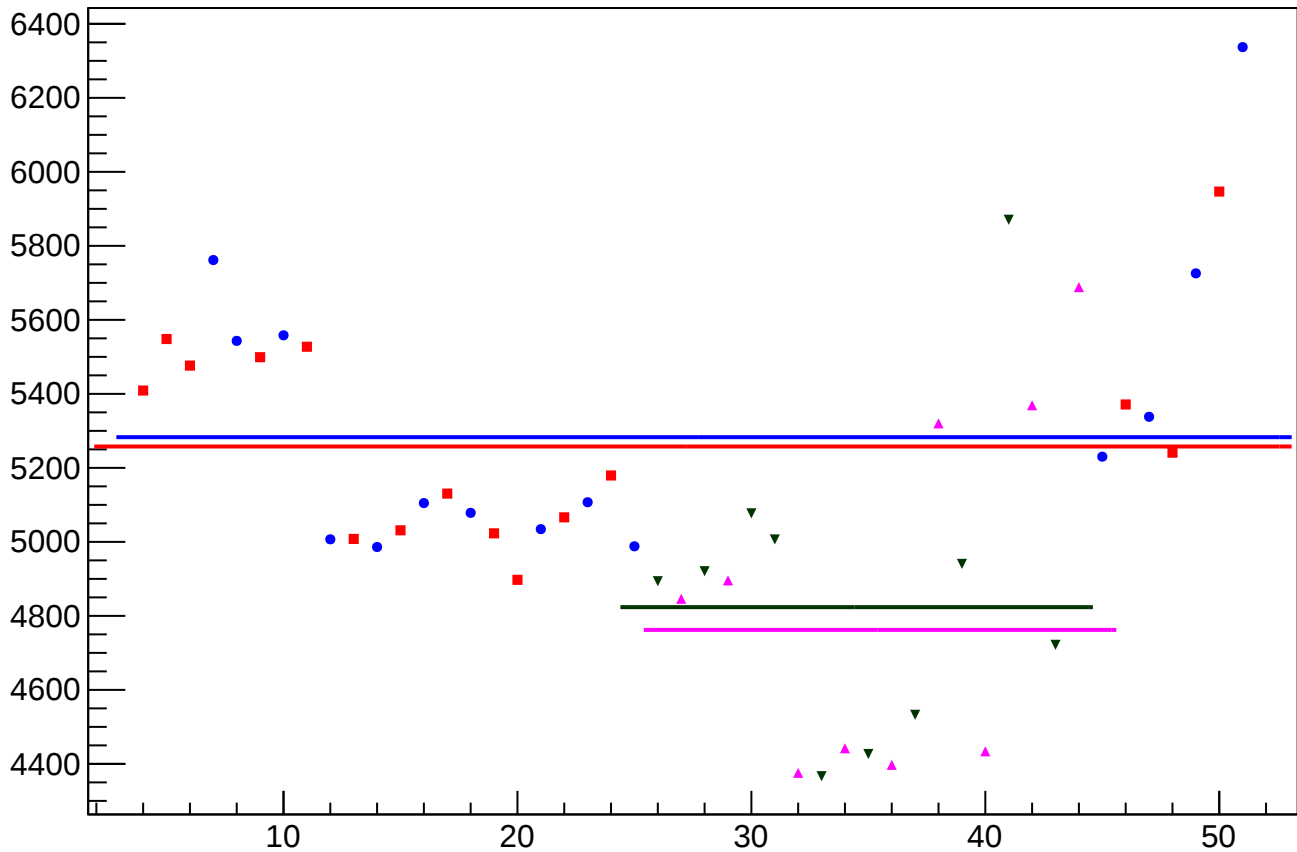
Right Out: 6.344 ± 1.870 χ^2/NDF : 48.7/14

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

-14.434 ± 1.352 χ^2/NDF : 319.7/23

0.825 ± 1.370 χ^2/NDF : 77.8/23

diff_bpm0l03X_rms vs slug



Right In: 5282.989+/-1.253 χ^2/NDF : 69526.2/13

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

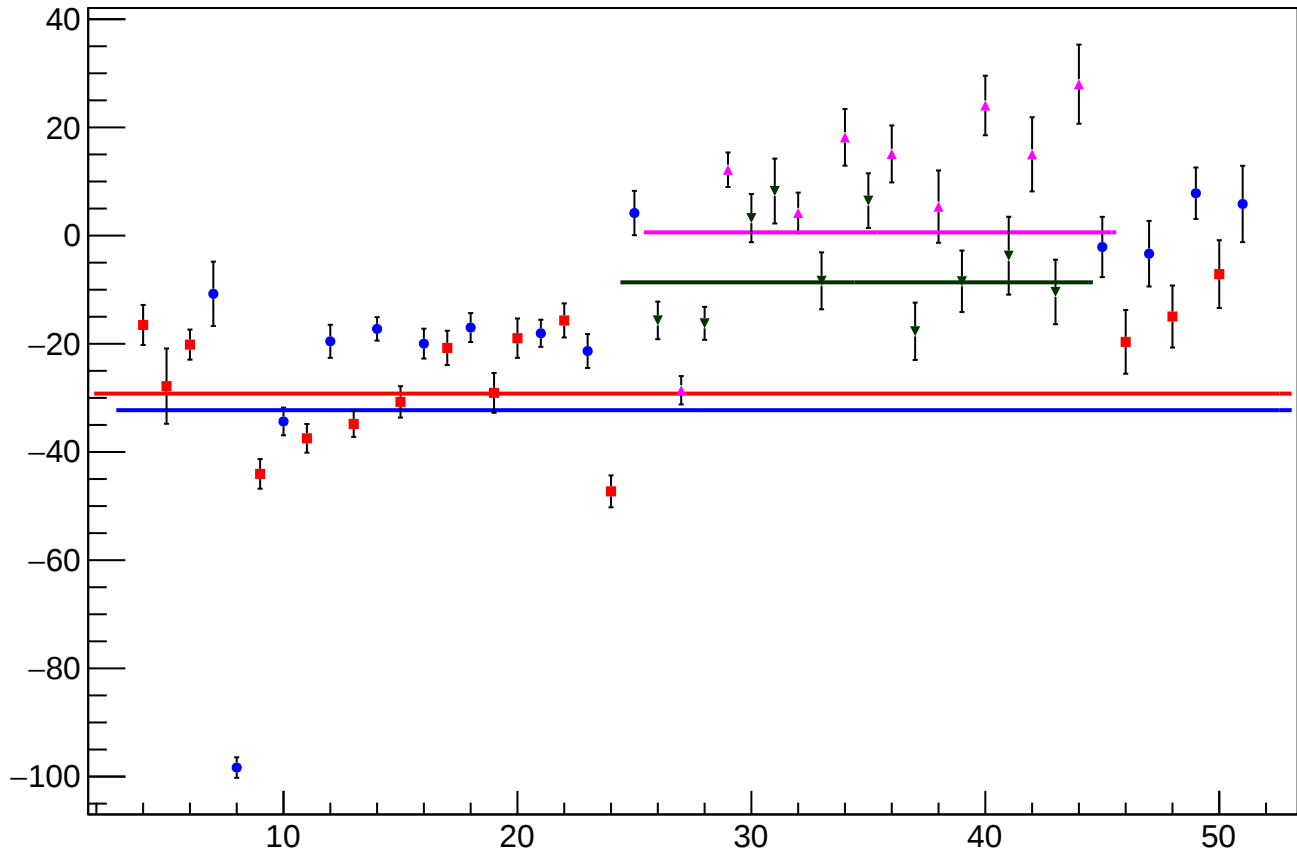
Right Out: 5257.756+/-1.322 χ^2/NDF : 39055.0/14

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

5091.006+/-0.956 χ^2/NDF : 191339.6/23

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

diff_bpm0l03Y_mean vs slug



Right In: -32.272+/-0.818 χ^2/NDF : 1625.2/13

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

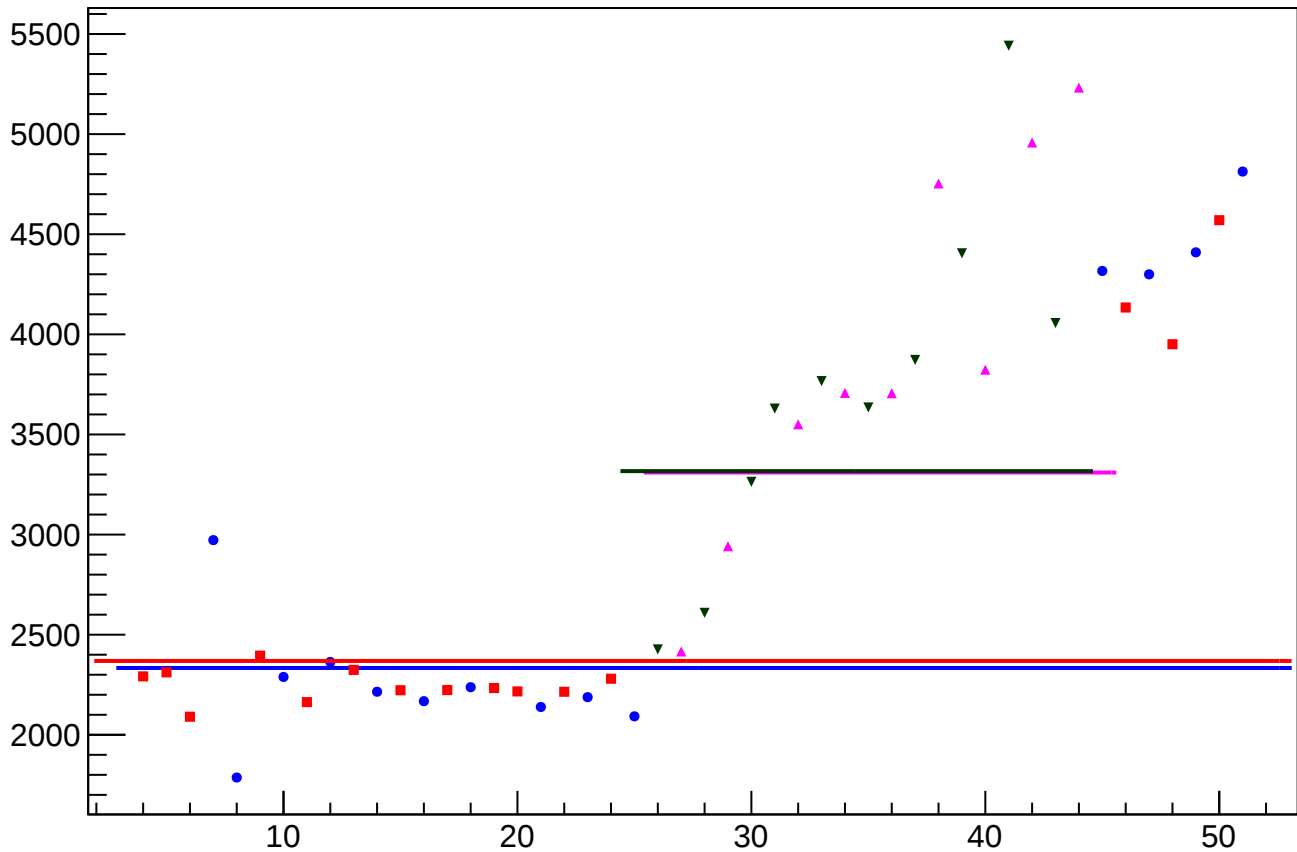
Right Out: -29.208+/-0.864 χ^2/NDF : 159.5/14

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

-26.729+/-0.715 χ^2/NDF : 1858.9/23

-21.317+/-0.741 χ^2/NDF : 668.7/23

diff_bpm0l03Y_rms vs slug



Right In: 2333.818+/-0.578 χ^2/NDF : 1322065.7/13

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

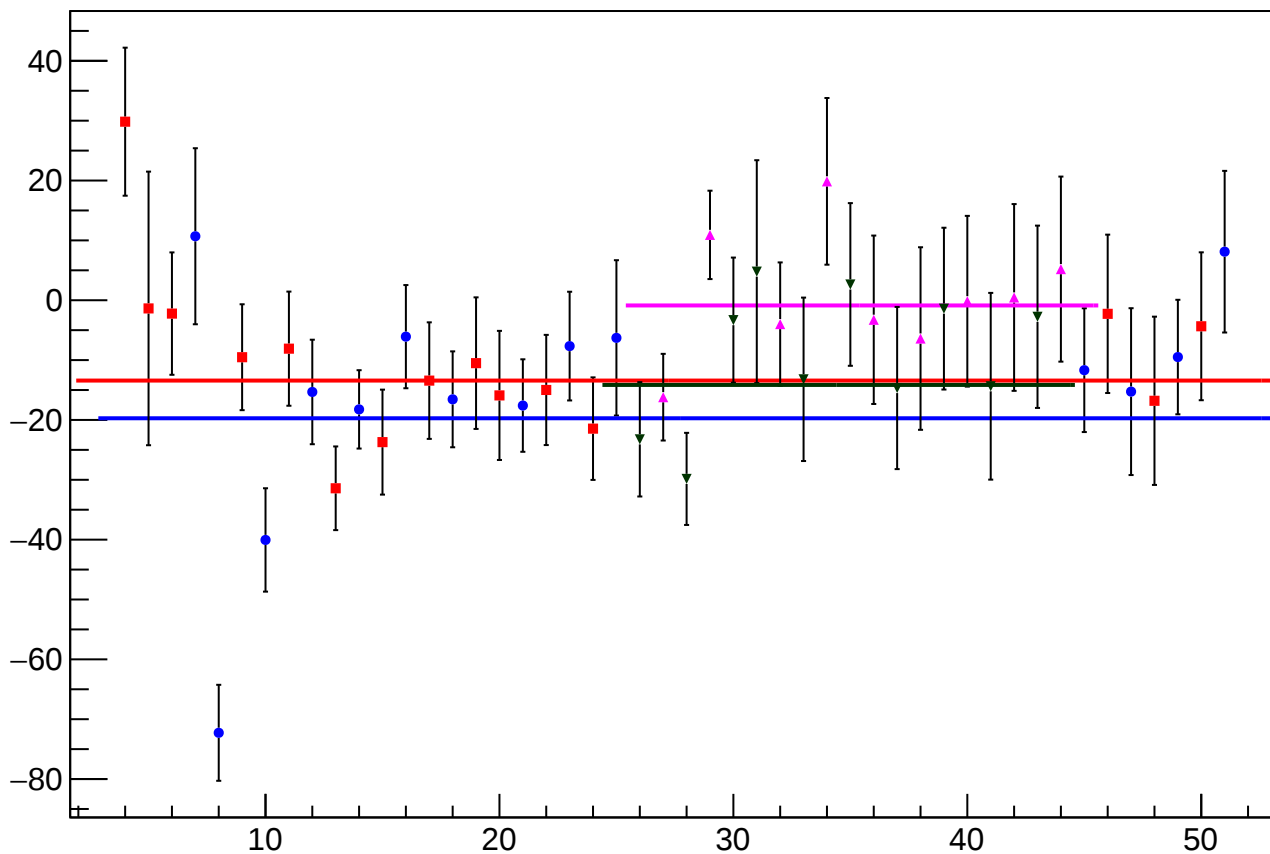
Right Out: 2368.777+/-0.611 χ^2/NDF : 635319.2/14

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

2564.423+/-0.506 χ^2/NDF : 2568165.3/23

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

diff_bpm0l04X_mean vs slug



Right In: -19.721 ± 2.463 χ^2/NDF : 64.7/13

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

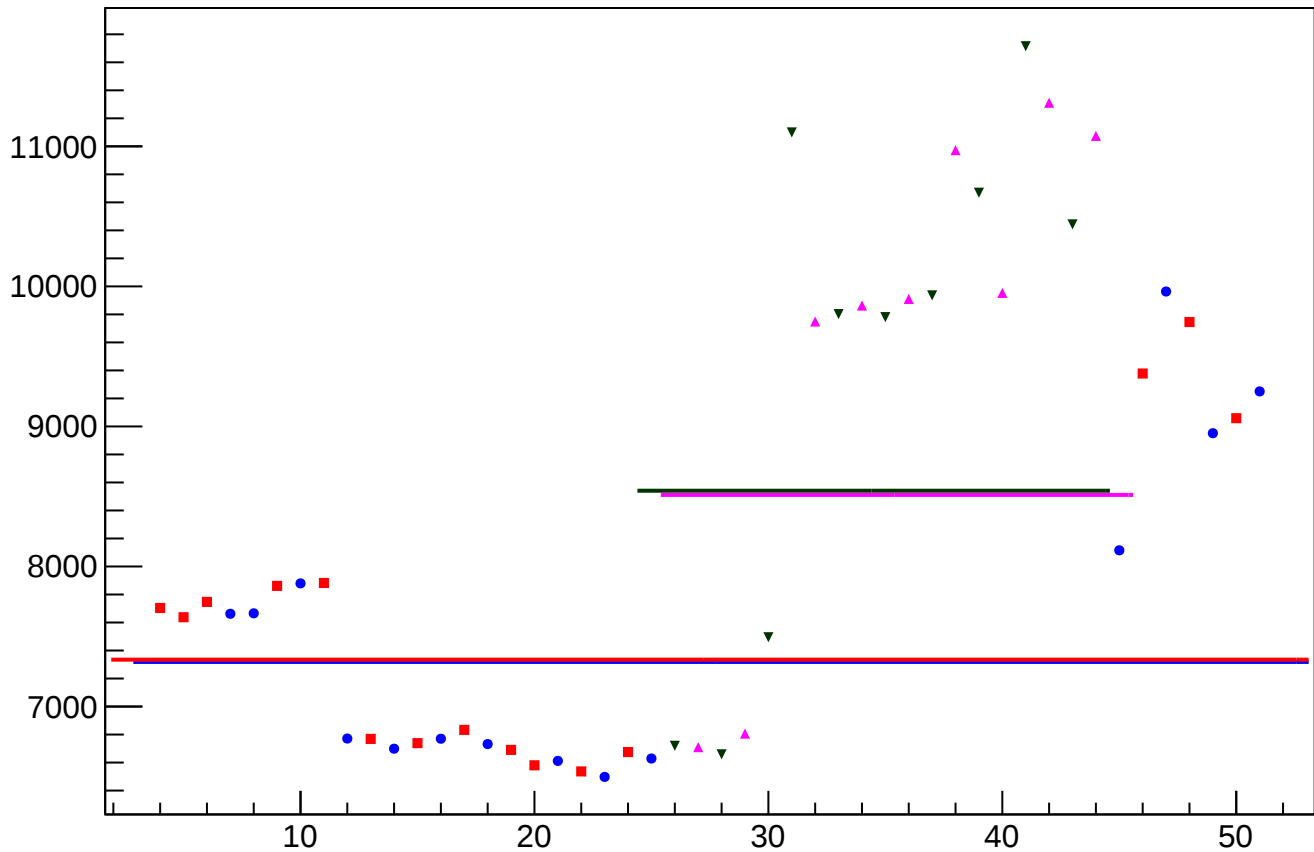
Right Out: -13.420 ± 2.622 χ^2/NDF : 24.6/14

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

-18.060 ± 2.064 χ^2/NDF : 76.4/23

-9.167 ± 2.132 χ^2/NDF : 42.0/23

diff_bpm0l04X_rms vs slug



Right In: 7318.468+/-1.742 χ^2/NDF : 279720.7/13

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

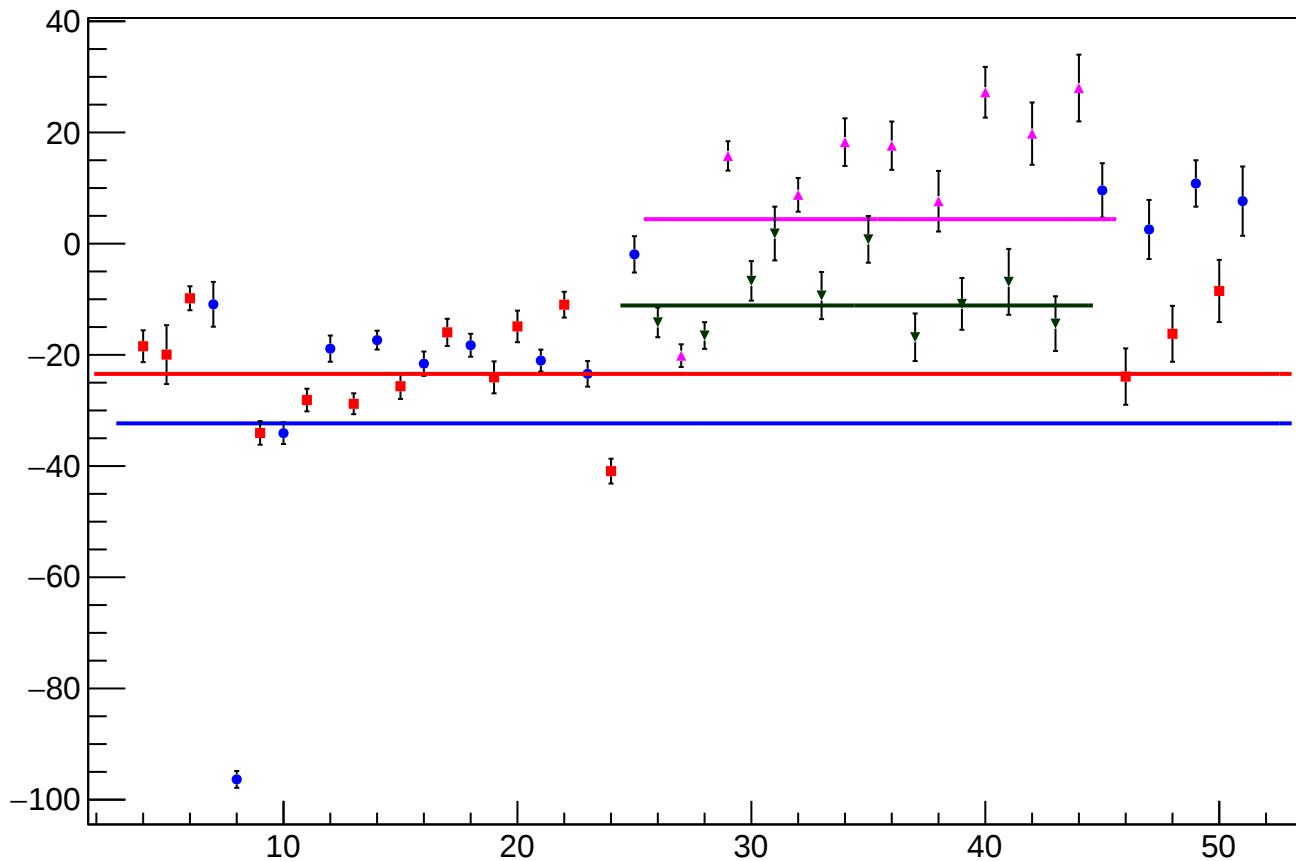
Right Out: 7334.802+/-1.854 χ^2/NDF : 235759.3/14

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

7683.030+/-1.459 χ^2/NDF : 895311.7/23

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

diff_bpm0l04Y_mean vs slug



Right In: -32.321 ± 0.641 χ^2/NDF : 2400.0/13

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

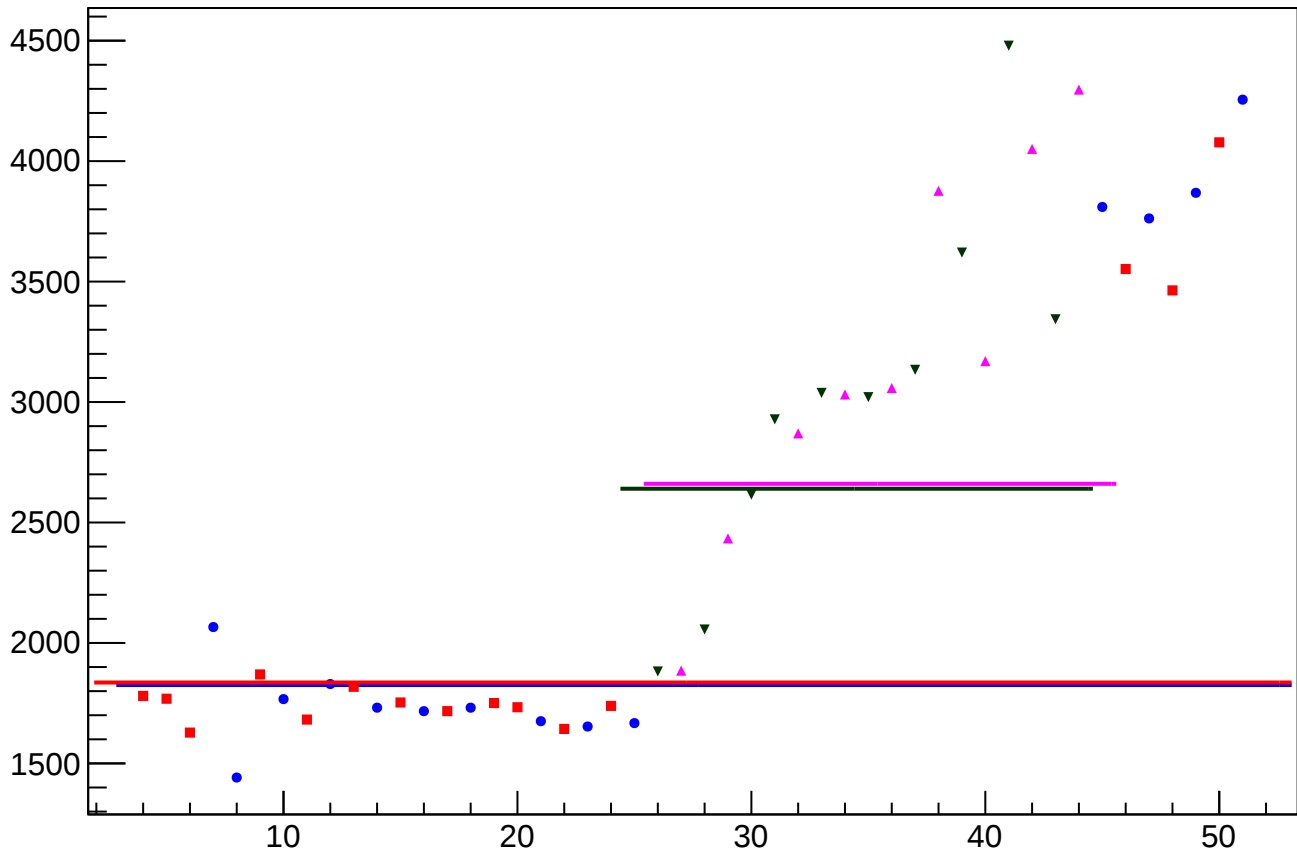
Right Out: -23.426 ± 0.671 χ^2/NDF : 200.6/14

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

-27.490 ± 0.563 χ^2/NDF : 2675.4/23

-16.460 ± 0.581 χ^2/NDF : 864.7/23

diff_bpm0l04Y_rms vs slug



Right In: 1825.419+/-0.453 χ^2/NDF : 1558272.9/13

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

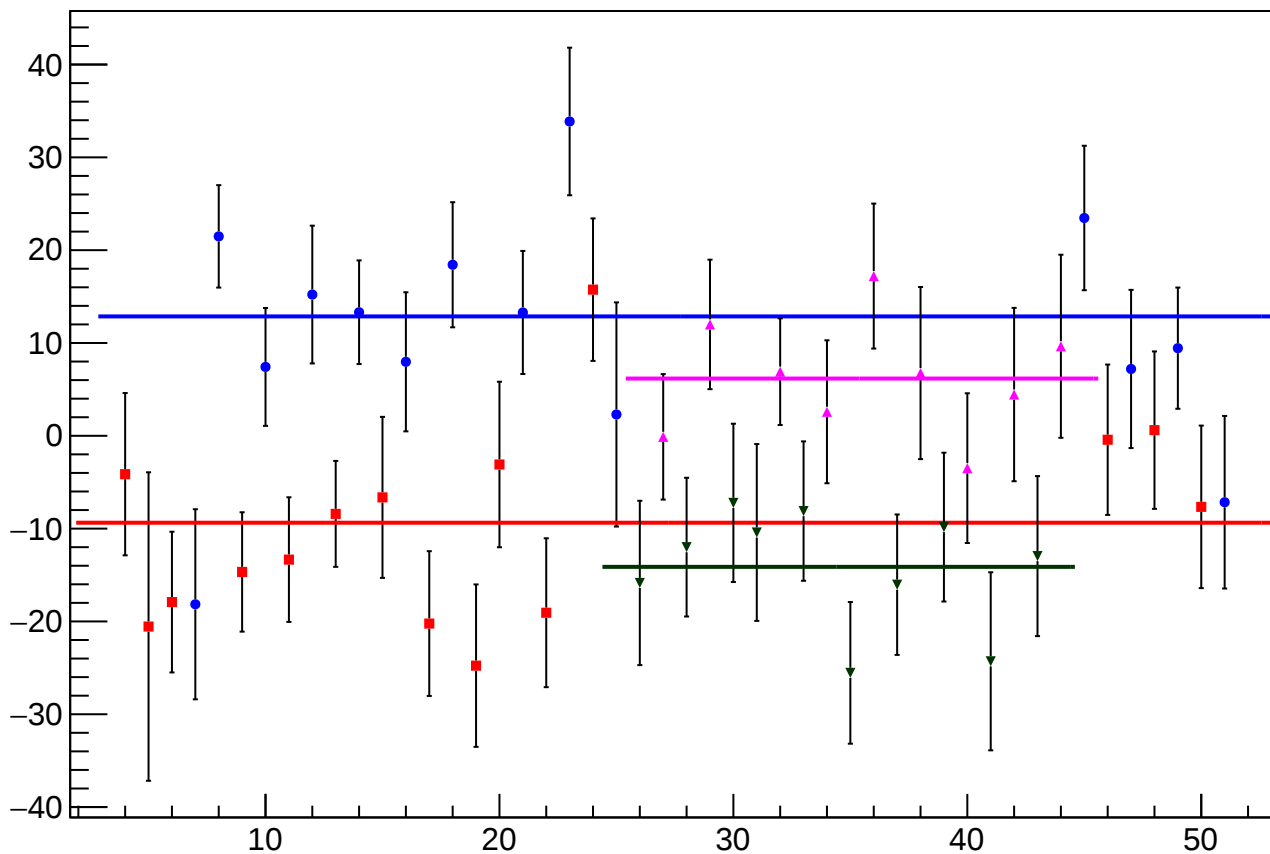
2011.035+/-0.398 χ^2/NDF : 2964168.4/23

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

2042.319+/-0.411 χ^2/NDF : 2319453.6/23

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

diff_bpm0l05X_mean vs slug



Right In: 12.863 ± 1.932 $\chi^2/\text{NDF}: 28.5/13$

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

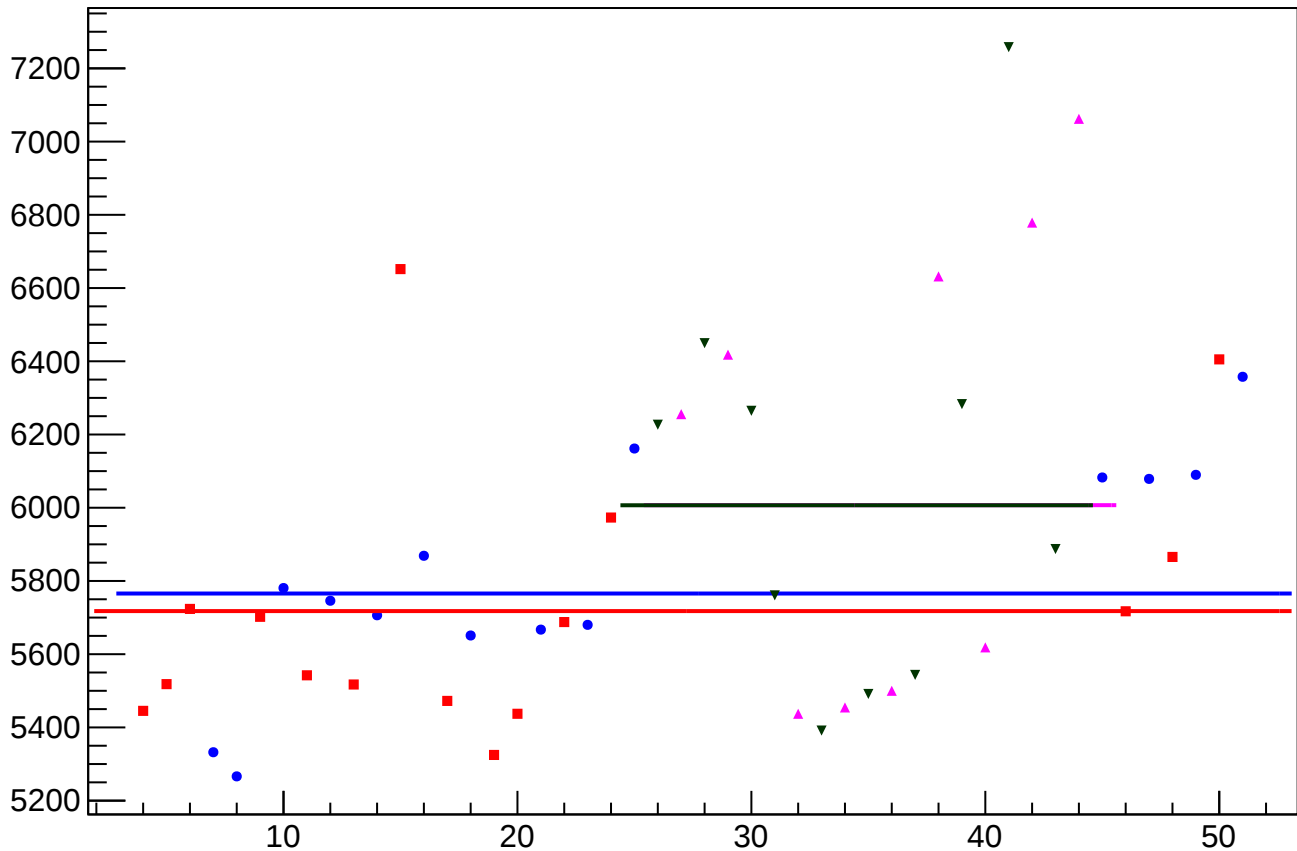
Right Out: -9.364 ± 2.036 $\chi^2/\text{NDF}: 23.6/14$

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

3.276 ± 1.551 $\chi^2/\text{NDF}: 103.1/23$

-3.294 ± 1.589 $\chi^2/\text{NDF}: 51.7/23$

diff_bpm0l05X_rms vs slug



Right In: 5765.707+/-1.366 χ^2/NDF : 43051.6/13

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

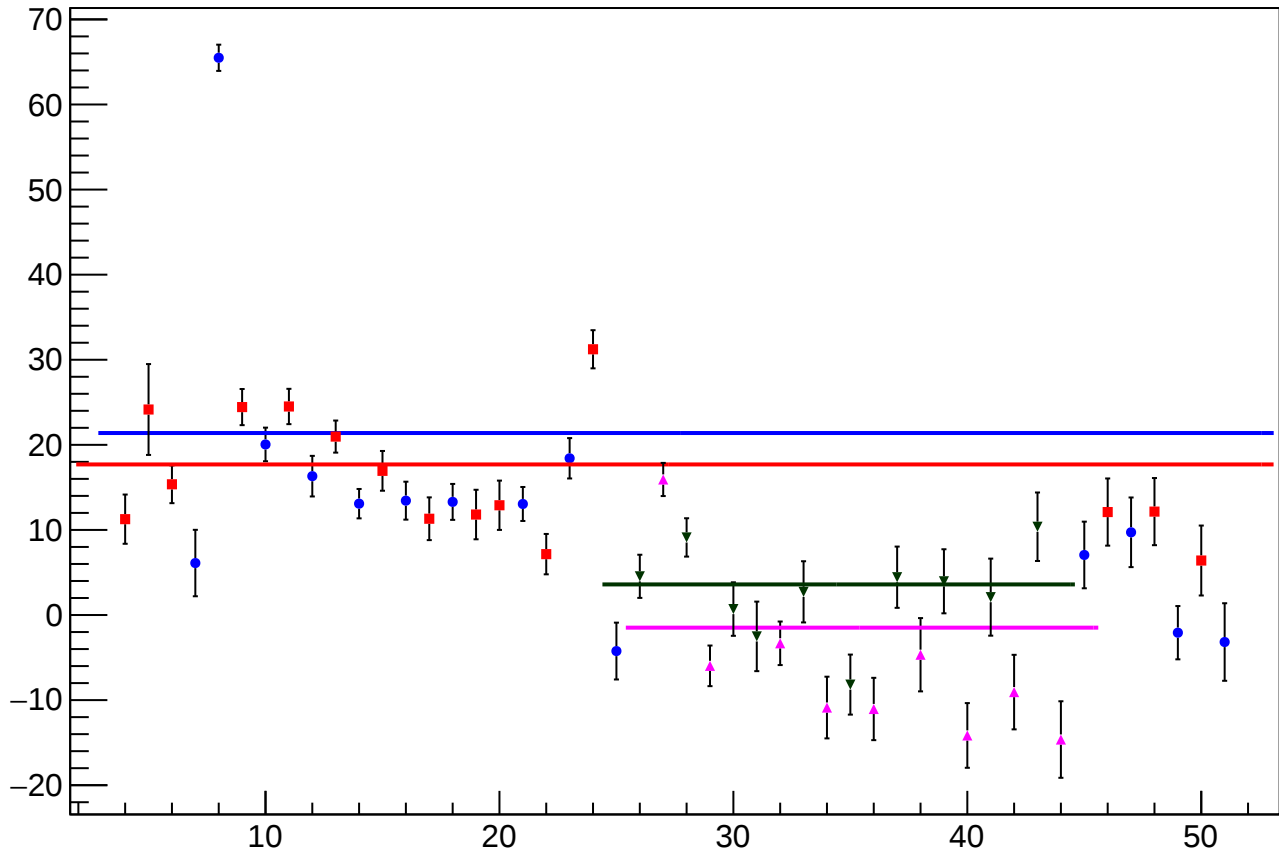
Right Out: 5717.731+/-1.440 χ^2/NDF : 52436.3/14

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

5851.350+/-1.097 χ^2/NDF : 132366.0/23

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

diff_bpm0l05Y_mean vs slug



Right In: 21.389 $\pm$ 0.636 χ^2 /NDF: 1073.8/13

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

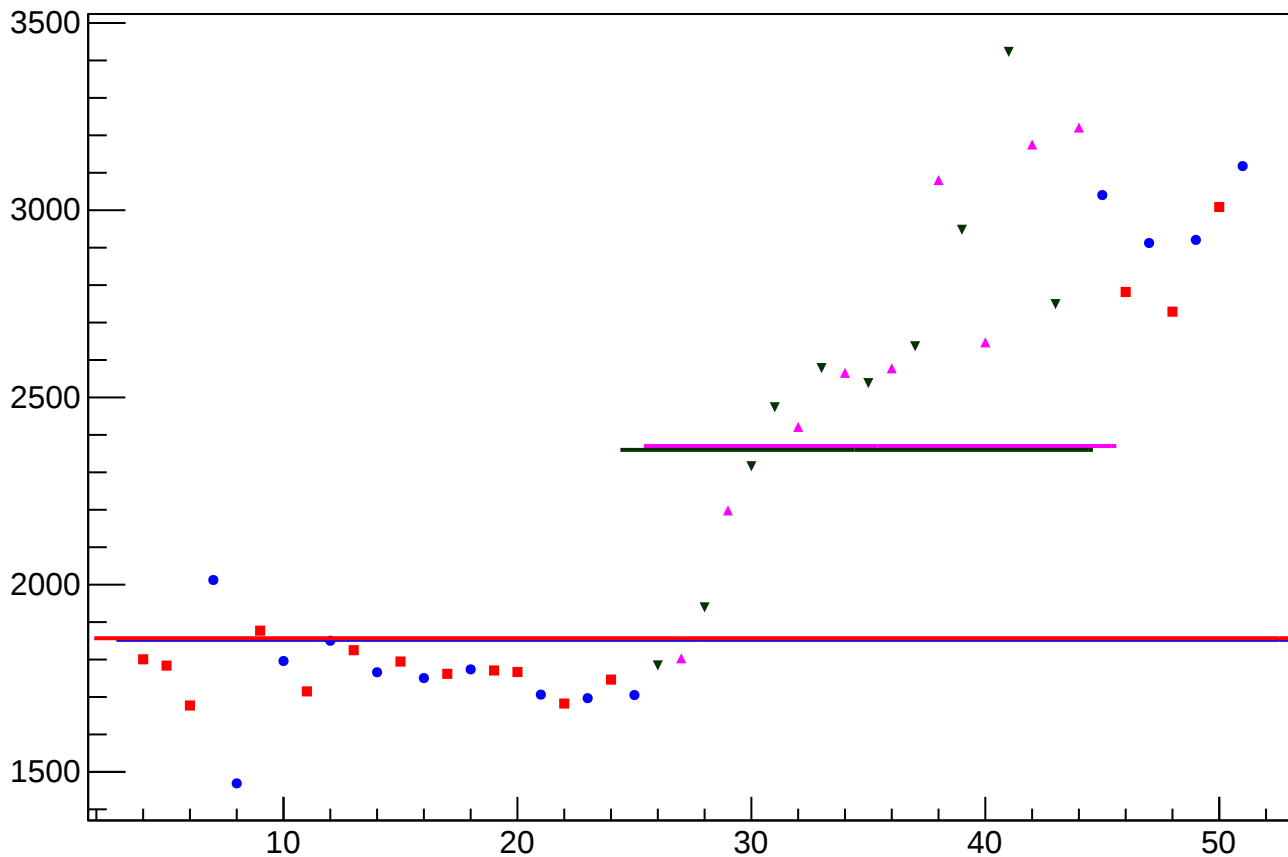
Right Out: 17.697 $\pm$ 0.669 χ^2 /NDF: 112.5/14

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

16.527 $\pm$ 0.542 χ^2 /NDF: 1311.1/23

11.906 $\pm$ 0.559 χ^2 /NDF: 481.6/23

diff_bpm0l05Y_rms vs slug



Right In: 1852.680+/-0.450 χ^2/NDF : 869046.9/13

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

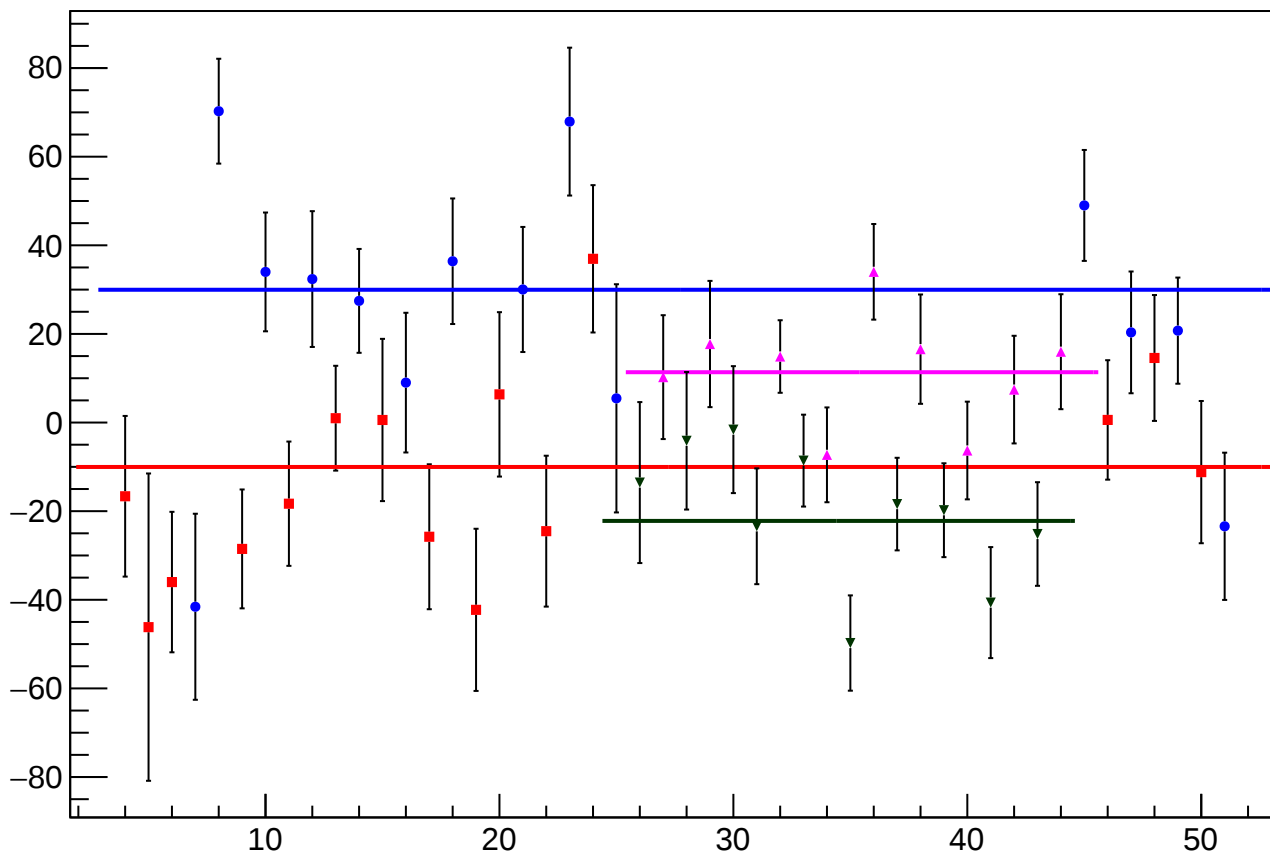
Right Out: 1856.926+/-0.473 χ^2/NDF : 412500.0/14

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

1991.299+/-0.383 χ^2/NDF : 1593374.6/23

2011.917+/-0.395 χ^2/NDF : 1165335.9/23

diff_bpm0l06X_mean vs slug



Right In: 29.969 $\pm$ 3.837 χ^2 /NDF: 45.1/13

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

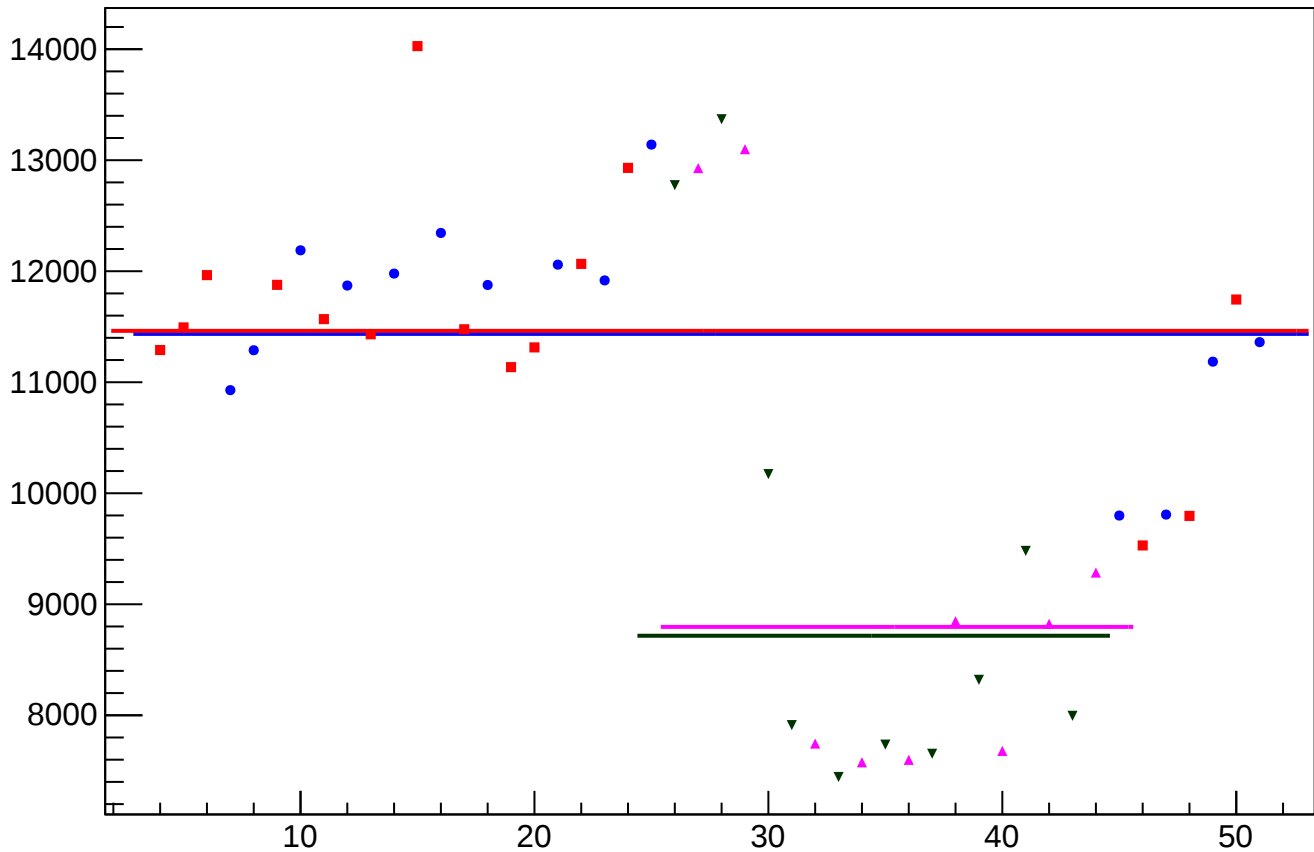
Right Out: -10.024 $\pm$ 4.094 χ^2 /NDF: 24.5/14

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

3.939 $\pm$ 2.716 χ^2 /NDF: 151.7/23

1.505 $\pm$ 2.779 χ^2 /NDF: 50.0/23

diff_bpm0l06X_rms vs slug



Right In: 11435.557+/-2.714 χ^2/NDF : 99770.0/13

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

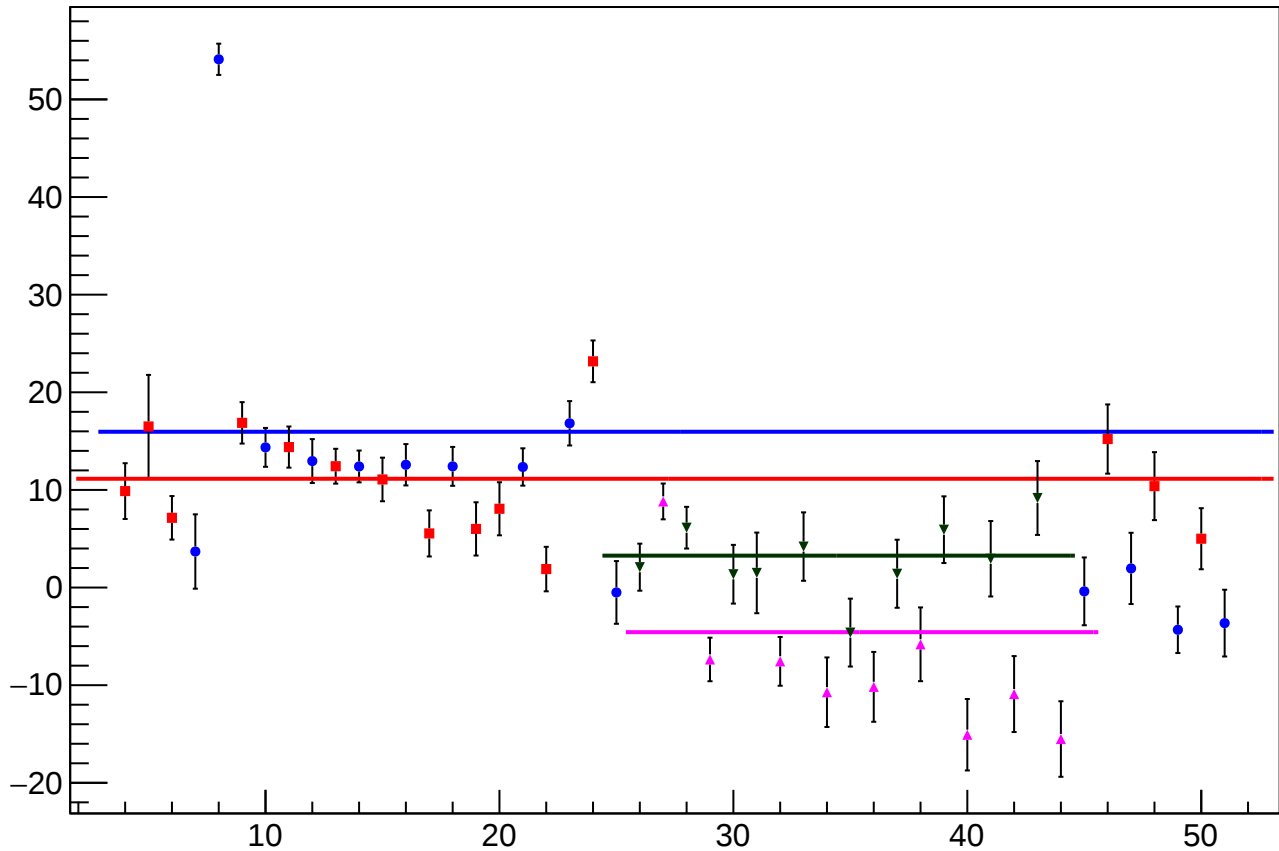
10078.833+/-1.921 χ^2/NDF : 993924.1/23

Right Out: 11462.785+/-2.895 χ^2/NDF : 131632.4/14

10024.978+/-1.965 χ^2/NDF : 1053481.5/23

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

diff_bpm0l06Y_mean vs slug



Right In: 15.958 ± 0.604 χ^2/NDF : 763.6/13

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

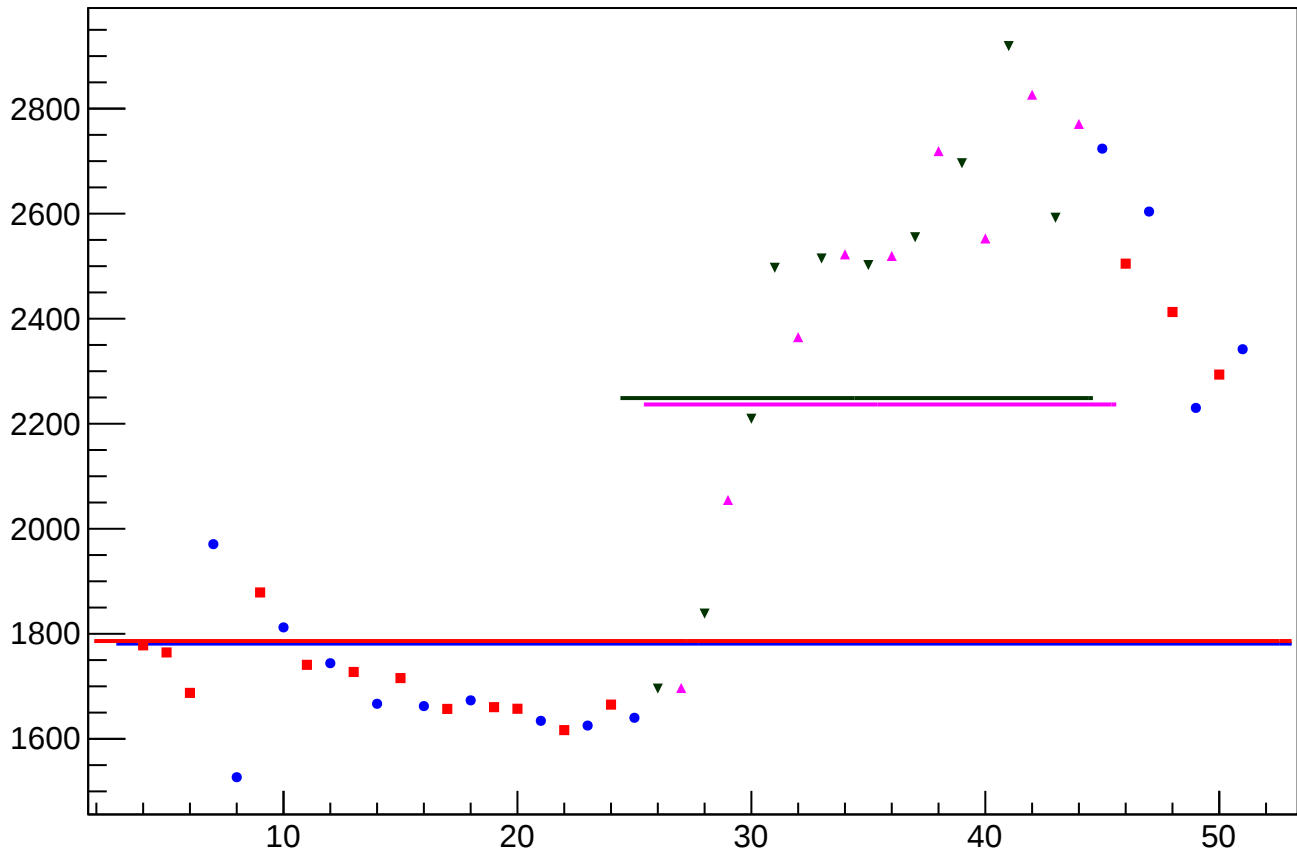
Right Out: 11.143 ± 0.639 χ^2/NDF : 78.4/14

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

12.496 ± 0.515 χ^2/NDF : 895.3/23

6.290 ± 0.531 χ^2/NDF : 345.8/23

diff_bpm0l06Y_rms vs slug



Right In: 1781.346+/-0.427 χ^2/NDF : 477291.0/13

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

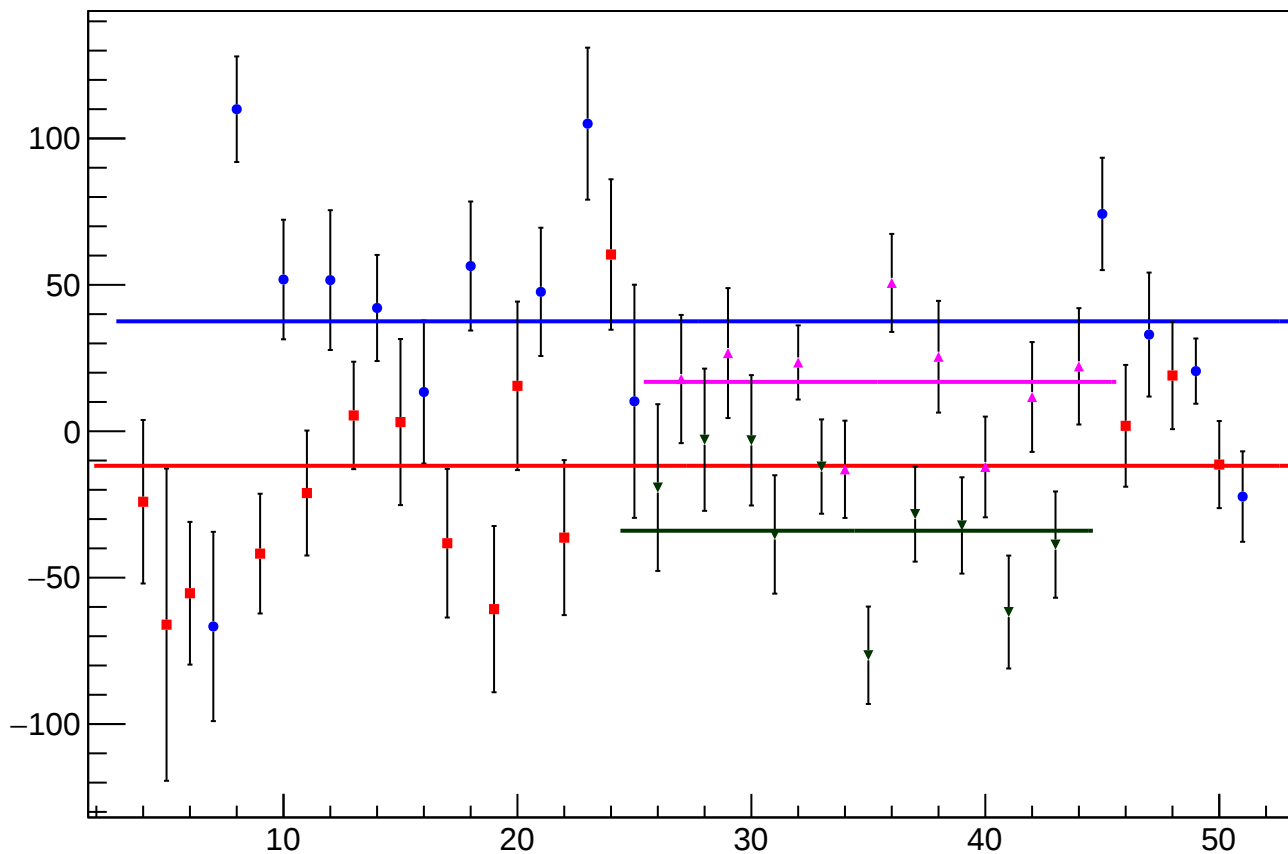
Right Out: 1786.282+/-0.452 χ^2/NDF : 244658.7/14

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

1908.878+/-0.364 χ^2/NDF : 1139844.1/23

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

diff_bpm0l07X_mean vs slug



Right In: 37.546 ± 5.244 $\chi^2/\text{NDF}: 57.6/13$

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

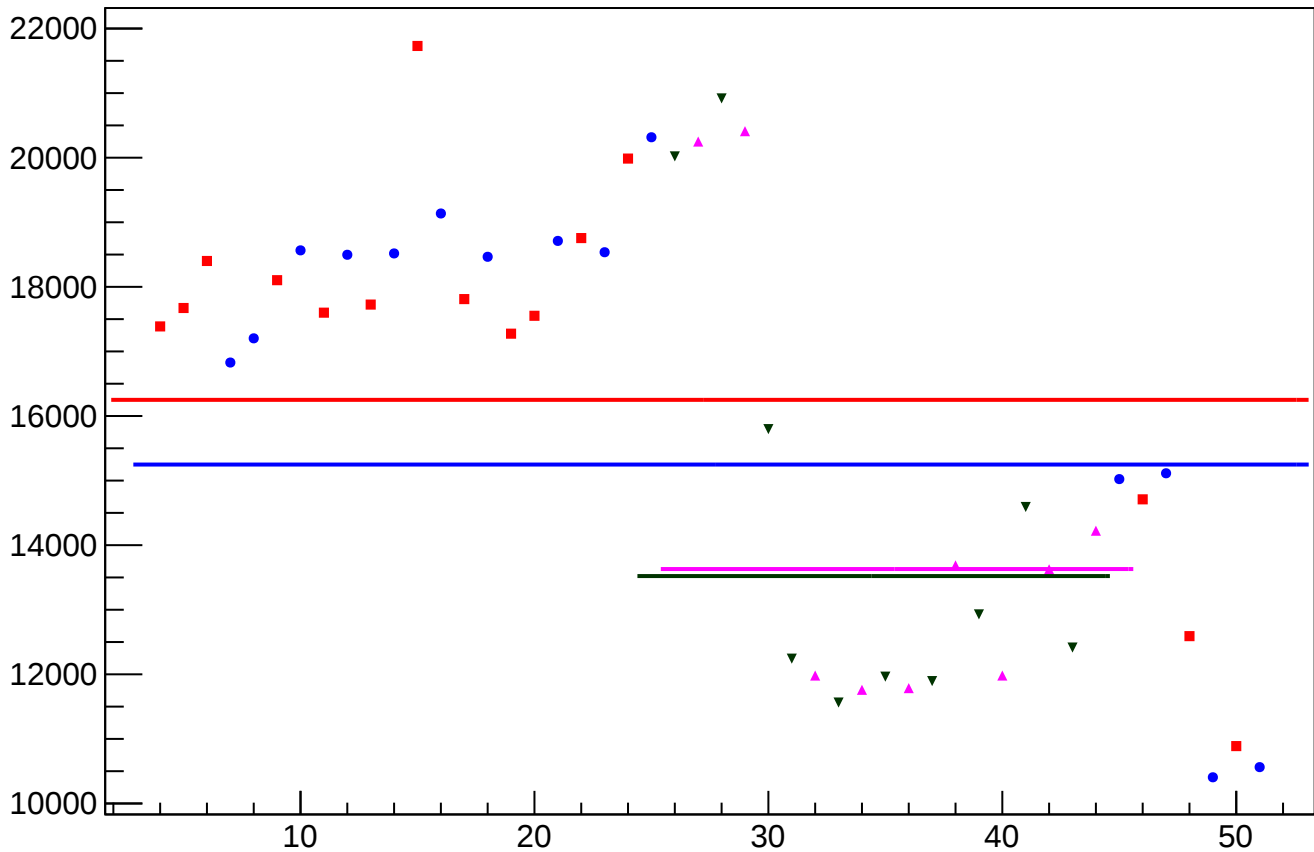
Right Out: -11.792 ± 5.885 $\chi^2/\text{NDF}: 24.9/14$

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

6.381 ± 3.939 $\chi^2/\text{NDF}: 153.2/23$

2.579 ± 4.155 $\chi^2/\text{NDF}: 47.8/23$

diff_bpm0l07X_rms vs slug



Right In: 15248.354+/-3.708 χ^2/NDF : 953234.0/13

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

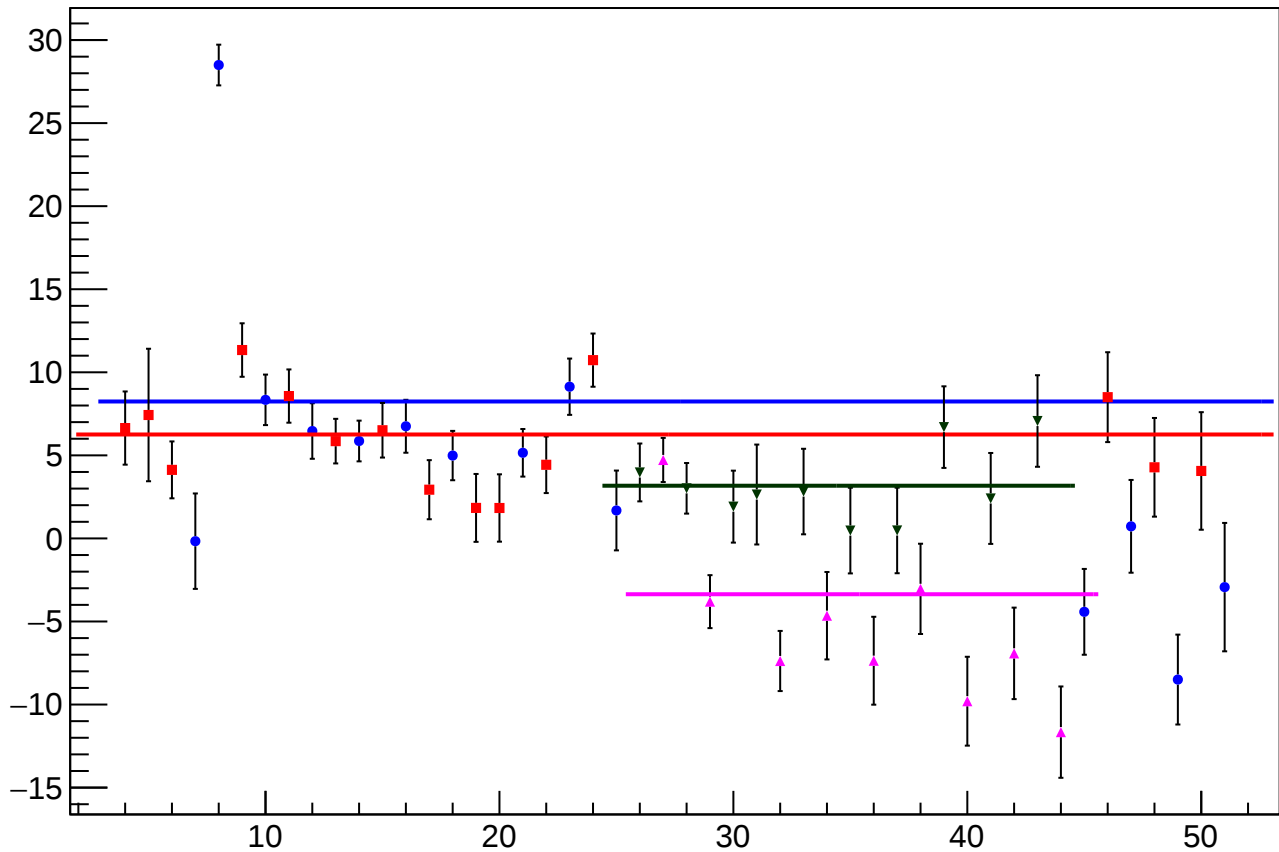
14495.886+/-2.785 χ^2/NDF : 1449777.1/23

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: 8.243 ± 0.467 $\chi^2/\text{NDF}: 382.7/13$

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

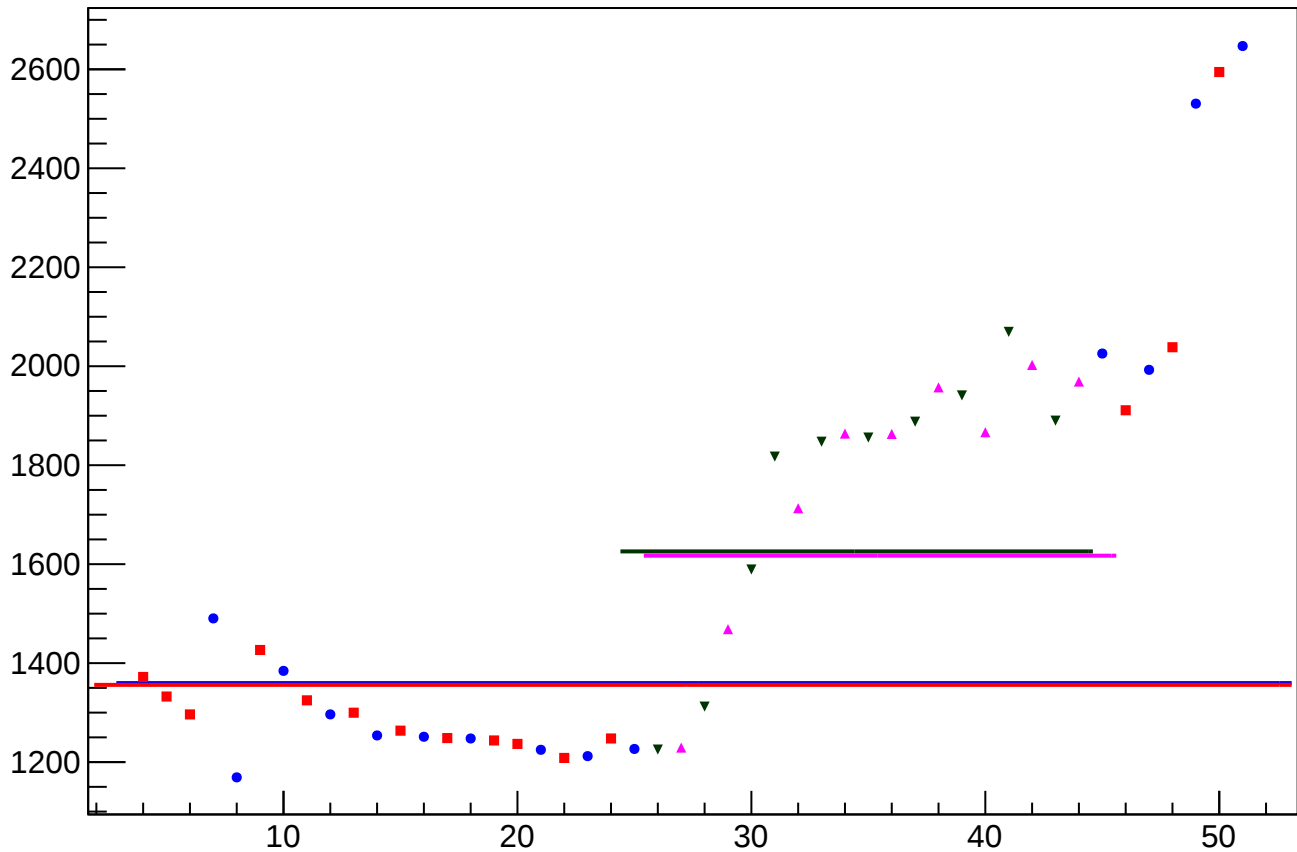
Right Out: 6.256 ± 0.490 $\chi^2/\text{NDF}: 37.2/14$

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

6.719 ± 0.391 $\chi^2/\text{NDF}: 425.0/23$

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

diff_bpm0l07Y_rms vs slug



Right In: 1359.702+/-0.330 χ^2/NDF : 962848.2/13

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

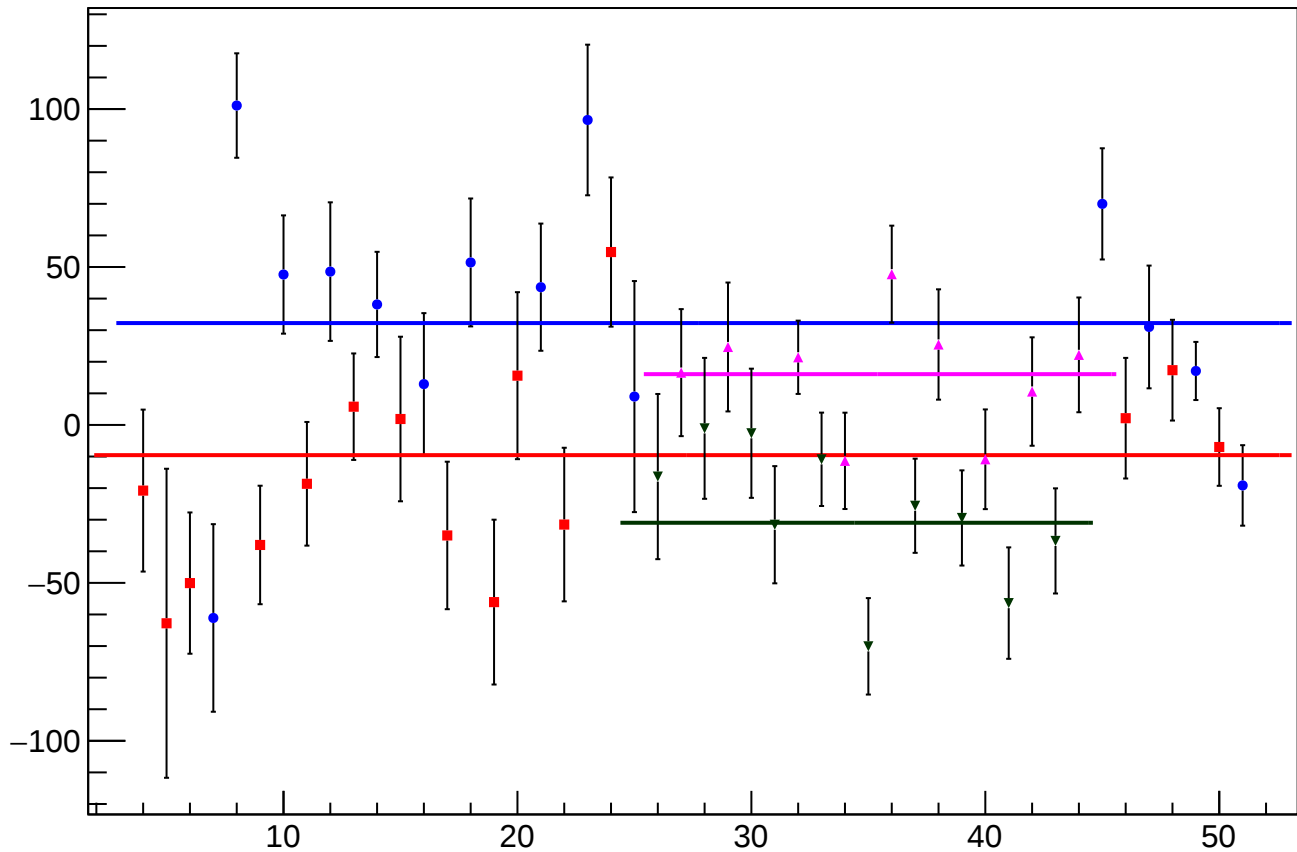
1439.646+/-0.276 χ^2/NDF : 1512413.7/23

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

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

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

diff_bpm0l08X_mean vs slug



Right In: 32.249 +/- 4.634 χ^2/NDF : 61.8/13

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

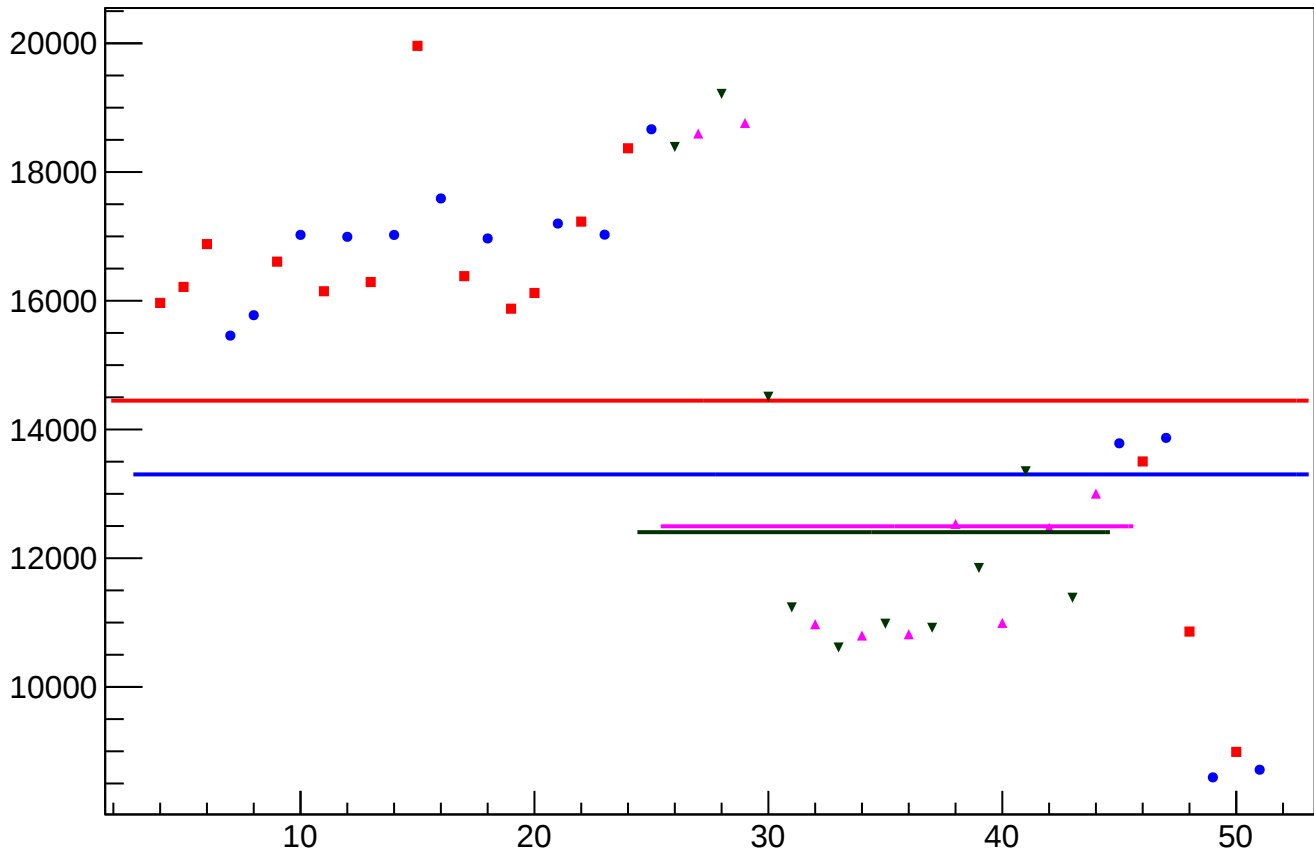
Right Out: -9.560 +/- 5.277 χ^2/NDF : 25.0/14

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

5.863 +/- 3.537 χ^2/NDF : 154.3/23

3.015 +/- 3.767 χ^2/NDF : 47.8/23

diff_bpm0l08X_rms vs slug



Right In: 13302.129+/-3.277 χ^2/NDF : 1382103.8/13

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

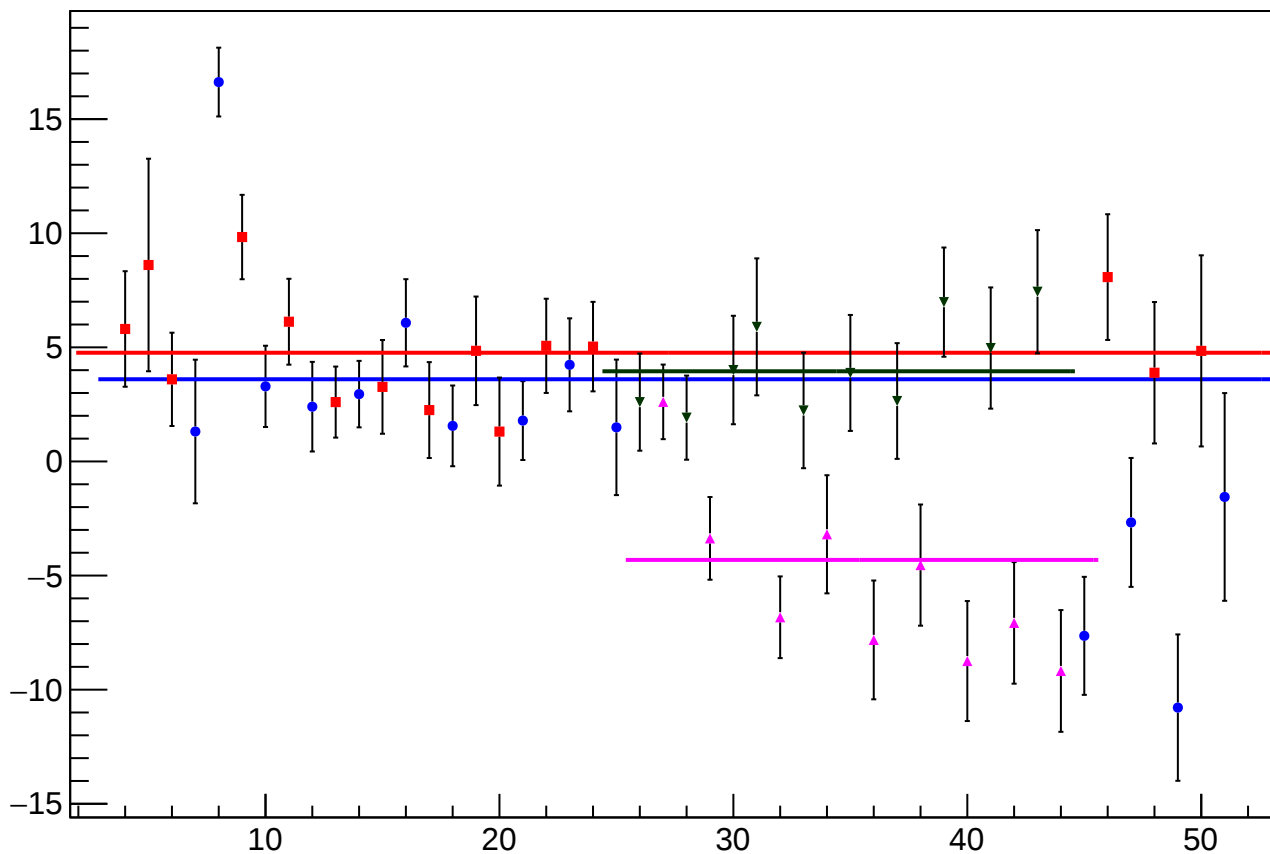
12927.524+/-2.501 χ^2/NDF : 1816288.3/23

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: 3.602 ± 0.551 χ^2/NDF : 125.8/13

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

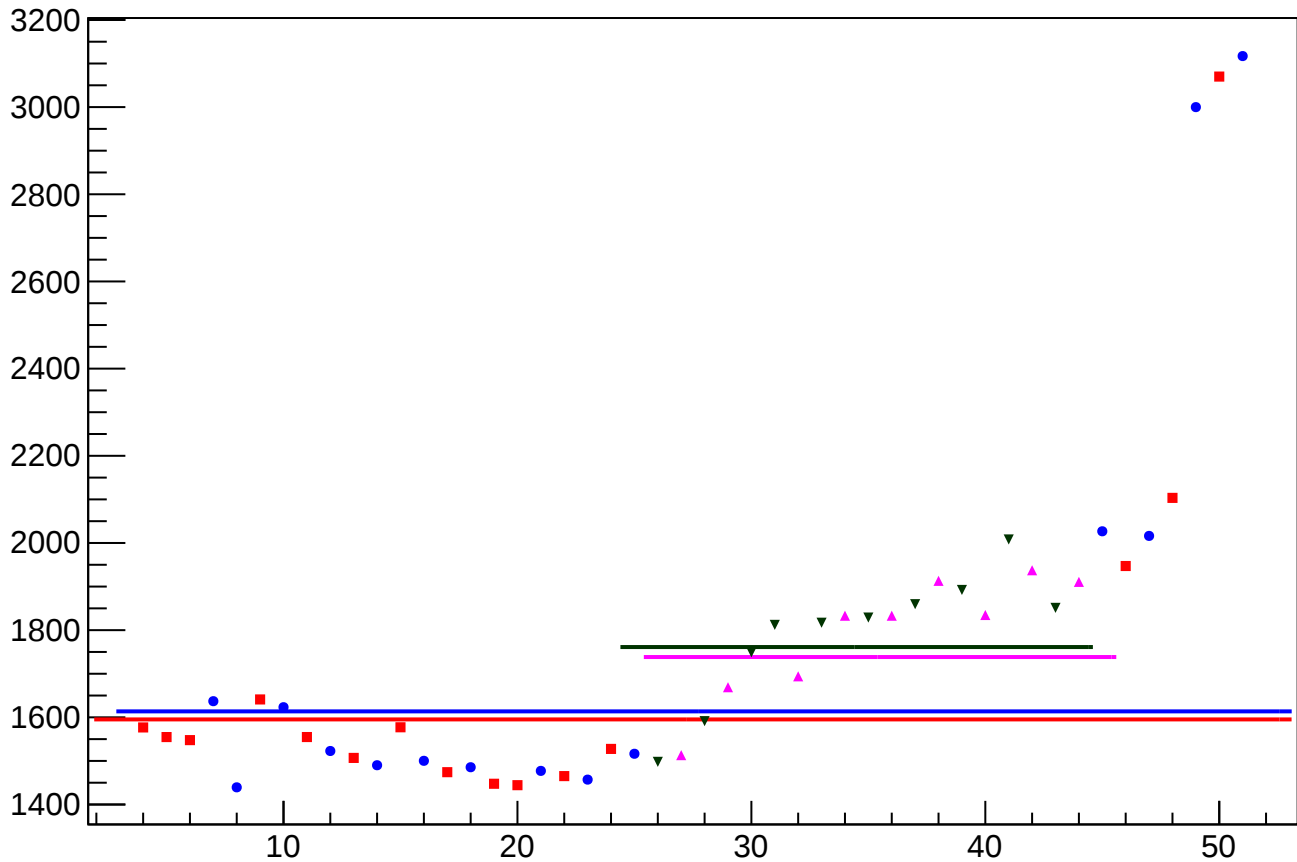
Right Out: 4.764 ± 0.574 χ^2/NDF : 16.8/14

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

3.722 ± 0.447 χ^2/NDF : 132.1/23

1.319 ± 0.452 χ^2/NDF : 141.2/23

diff_bpm0l08Y_rms vs slug



Right In: 1613.675+/-0.390 χ^2/NDF : 773306.9/13

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

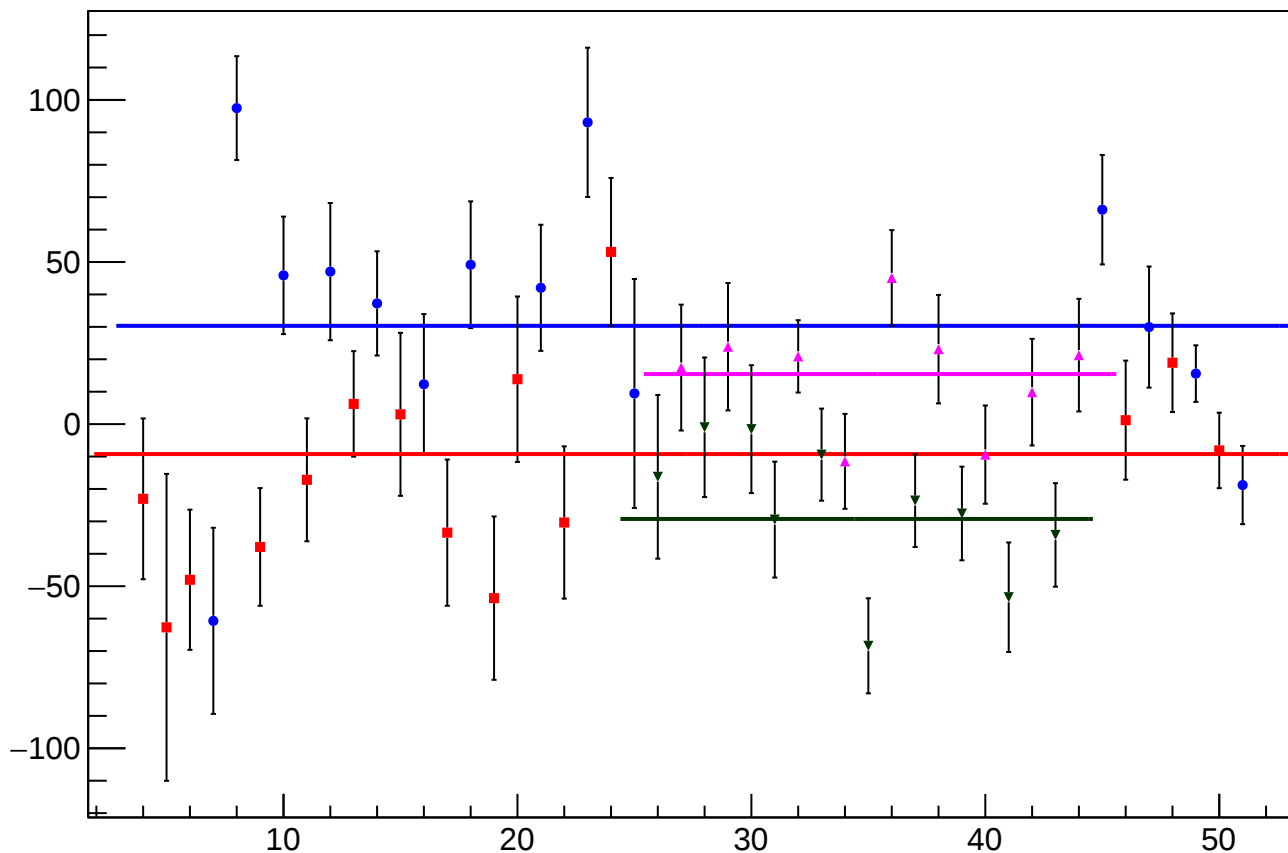
Right Out: 1595.230+/-0.406 χ^2/NDF : 377472.3/14

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

1664.398+/-0.316 χ^2/NDF : 901719.8/23

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

diff_bpm0l09X_mean vs slug



Right In: 30.319 ± 4.441 χ^2/NDF : 62.8/13

Left Out: -29.254 ± 5.260 χ^2/NDF : 15.3/9

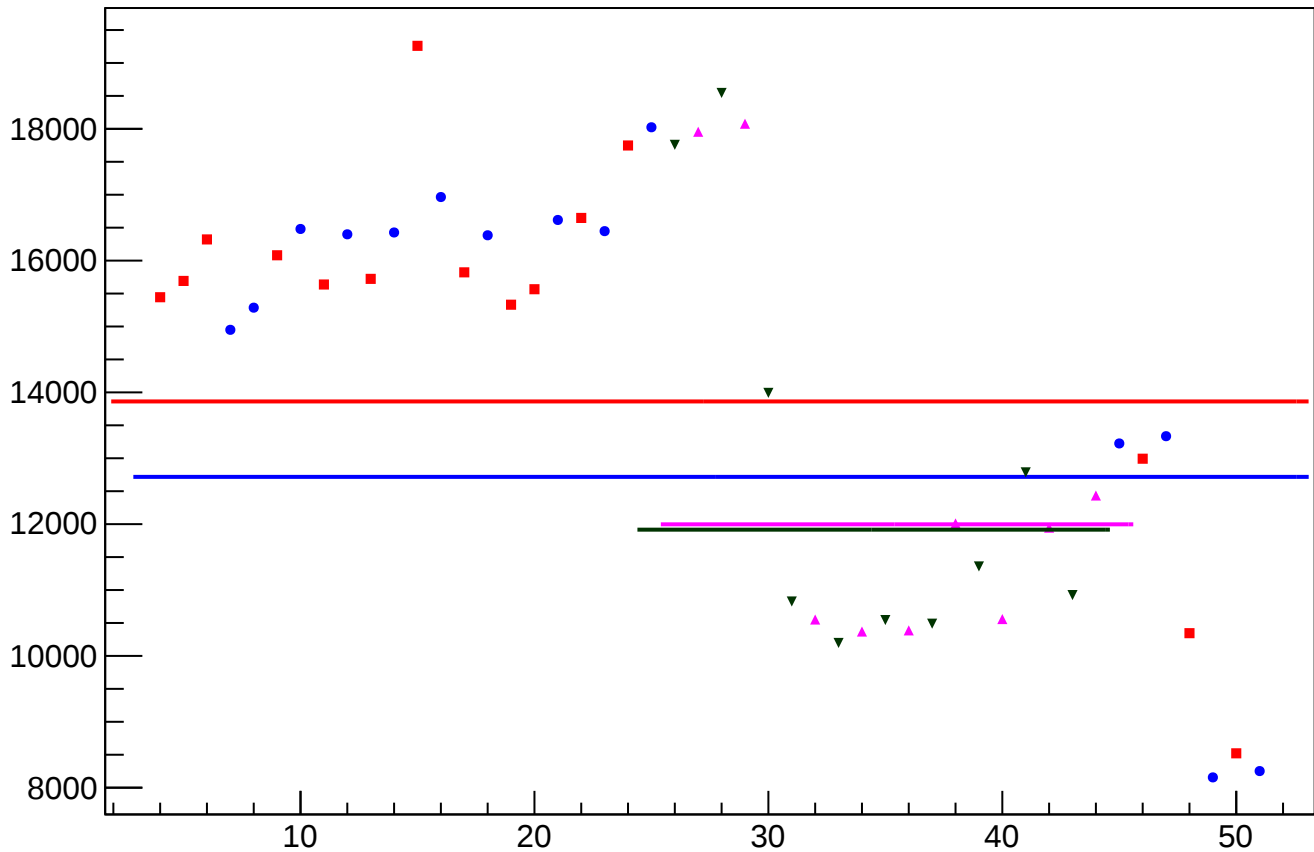
Right Out: -9.242 ± 5.073 χ^2/NDF : 25.7/14

Left In: 15.435 ± 5.166 χ^2/NDF : 11.0/8

5.526 ± 3.394 χ^2/NDF : 153.1/23

2.873 ± 3.619 χ^2/NDF : 48.3/23

diff_bpm0l09X_rms vs slug



Right In: 12717.525 $\pm$ 3.141 χ^2 /NDF: 1465888.3/13

Left Out: 11916.247 $\pm$ 3.720 χ^2 /NDF: 408966.2/9

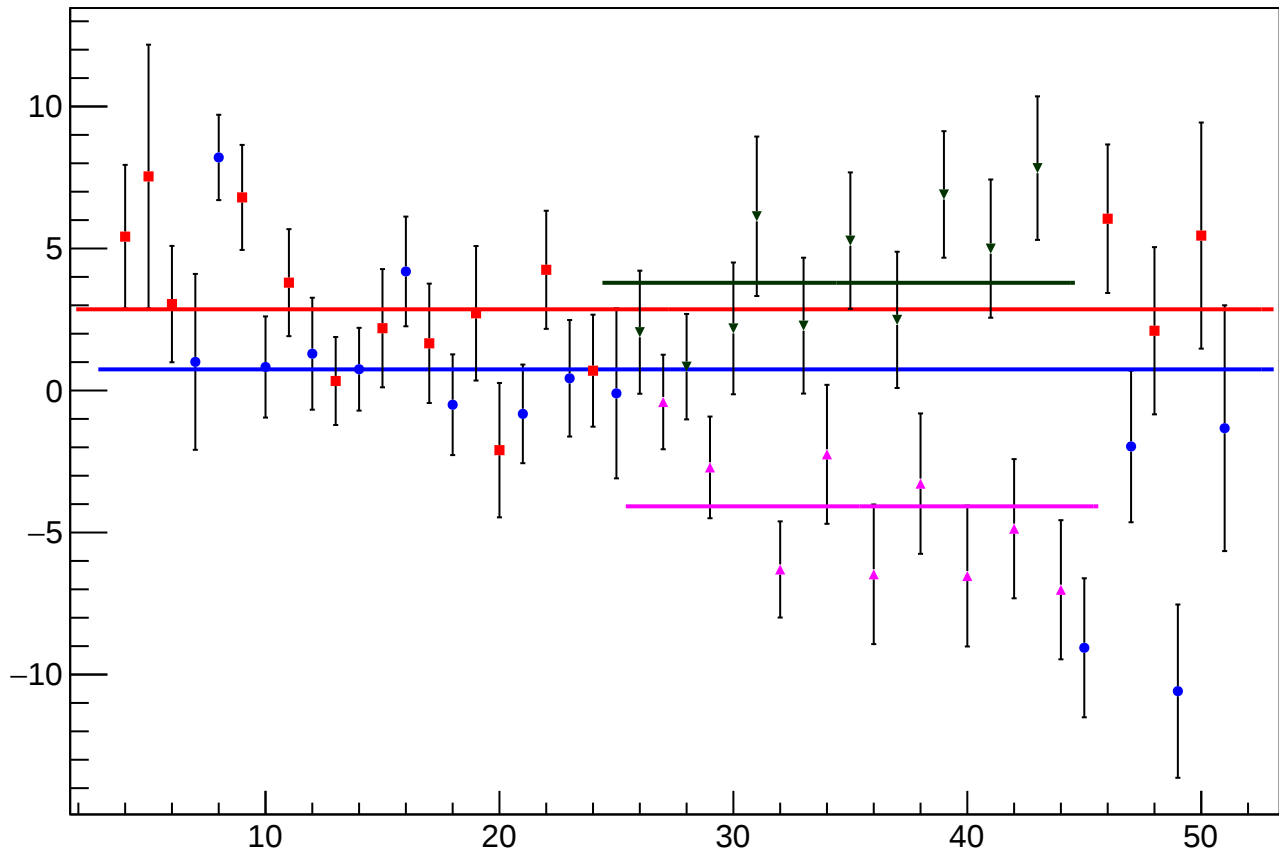
Right Out: 13862.442 $\pm$ 3.587 χ^2 /NDF: 851905.4/14

Left In: 11997.213 $\pm$ 3.653 χ^2 /NDF: 481131.3/8

12384.058 $\pm$ 2.400 χ^2 /NDF: 1901946.3/23

12946.703 $\pm$ 2.559 χ^2 /NDF: 1465782.8/23

diff_bpm0l09Y_mean vs slug



Right In: 0.744 ± 0.548 χ^2/NDF : 60.4/13

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

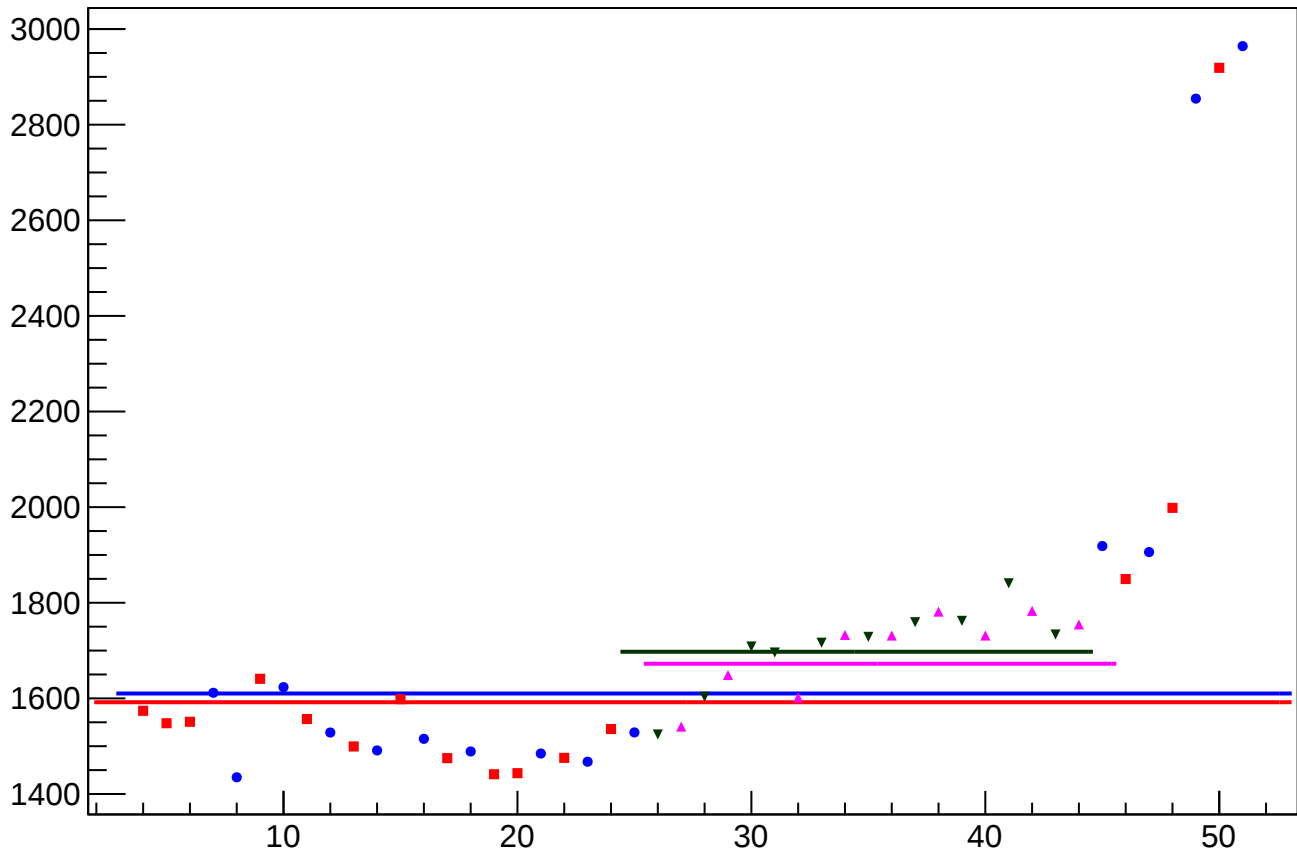
Right Out: 2.859 ± 0.572 χ^2/NDF : 17.9/14

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

1.839 ± 0.439 χ^2/NDF : 81.7/23

0.106 ± 0.444 χ^2/NDF : 87.7/23

diff_bpm0l09Y_rms vs slug



Right In: 1610.241+/-0.388 χ^2/NDF : 664717.7/13

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

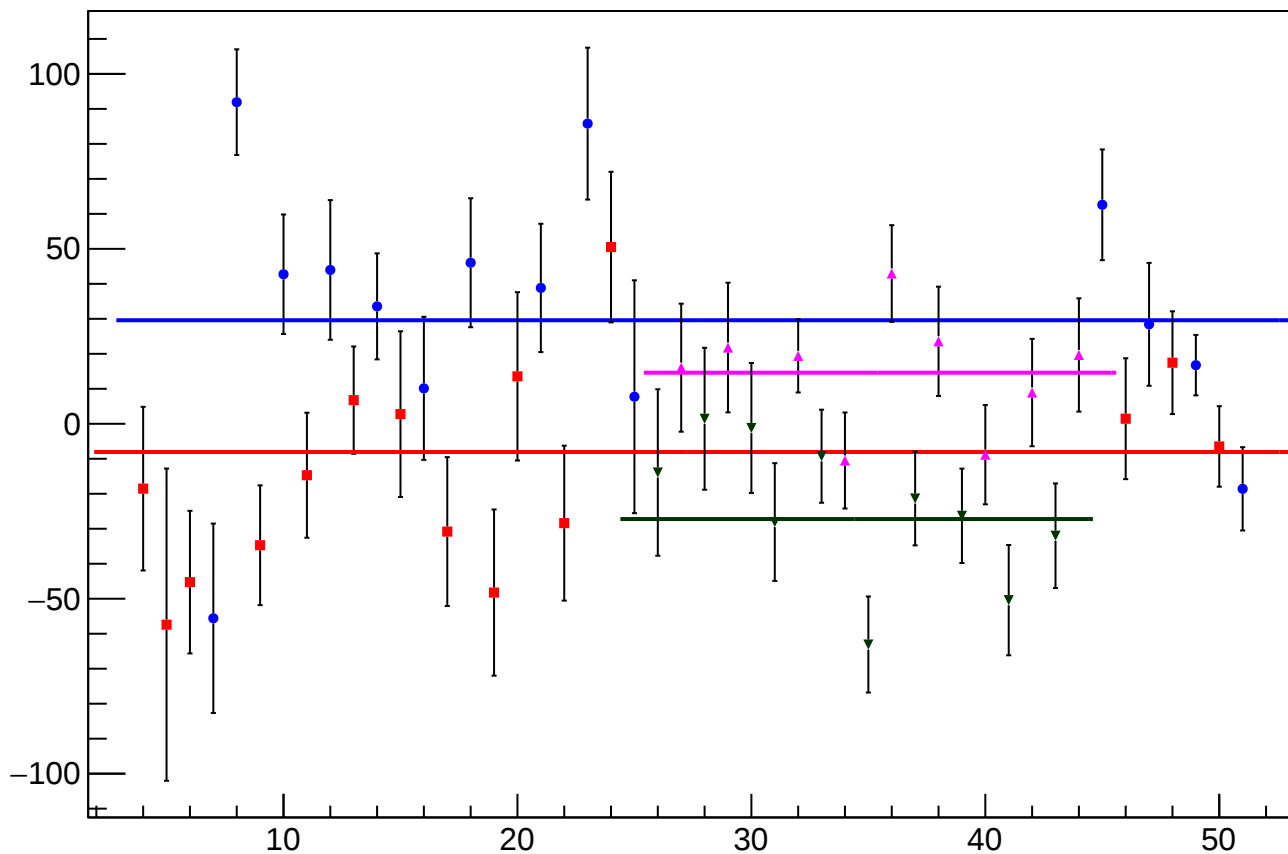
Right Out: 1591.940+/-0.404 χ^2/NDF : 320168.3/14

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

1641.596+/-0.310 χ^2/NDF : 711667.6/23

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

diff_bpm0l10X_mean vs slug



Right In: 29.593 ± 4.261 χ^2/NDF : 60.1/13

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

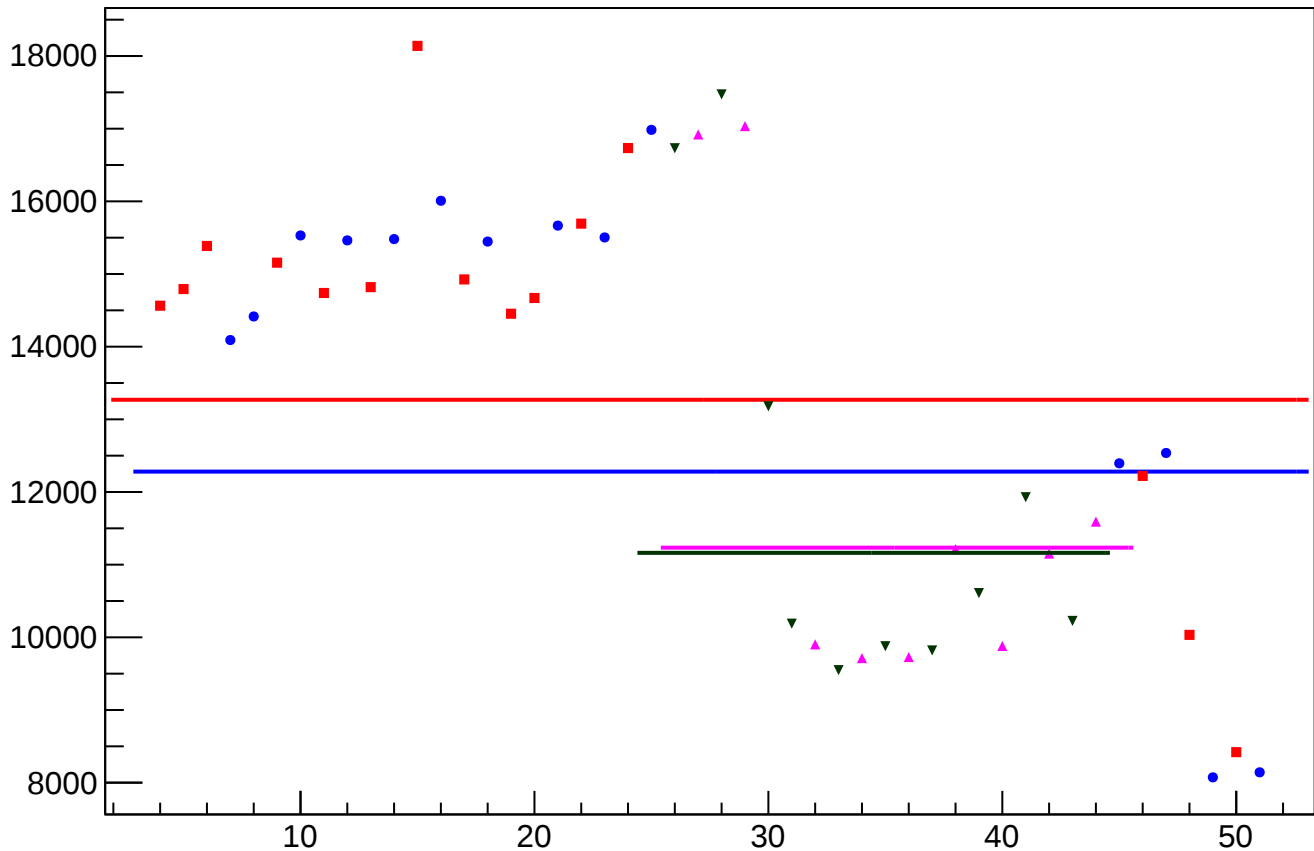
Right Out: -8.058 ± 4.835 χ^2/NDF : 24.9/14

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

5.293 ± 3.224 χ^2/NDF : 151.5/23

3.262 ± 3.420 χ^2/NDF : 47.1/23

diff_bpm0l10X_rms vs slug



Right In: 12280.547+/-3.013 χ^2/NDF : 1255817.1/13

Left Out: 11162.780+/-3.486 χ^2/NDF : 416378.4/9

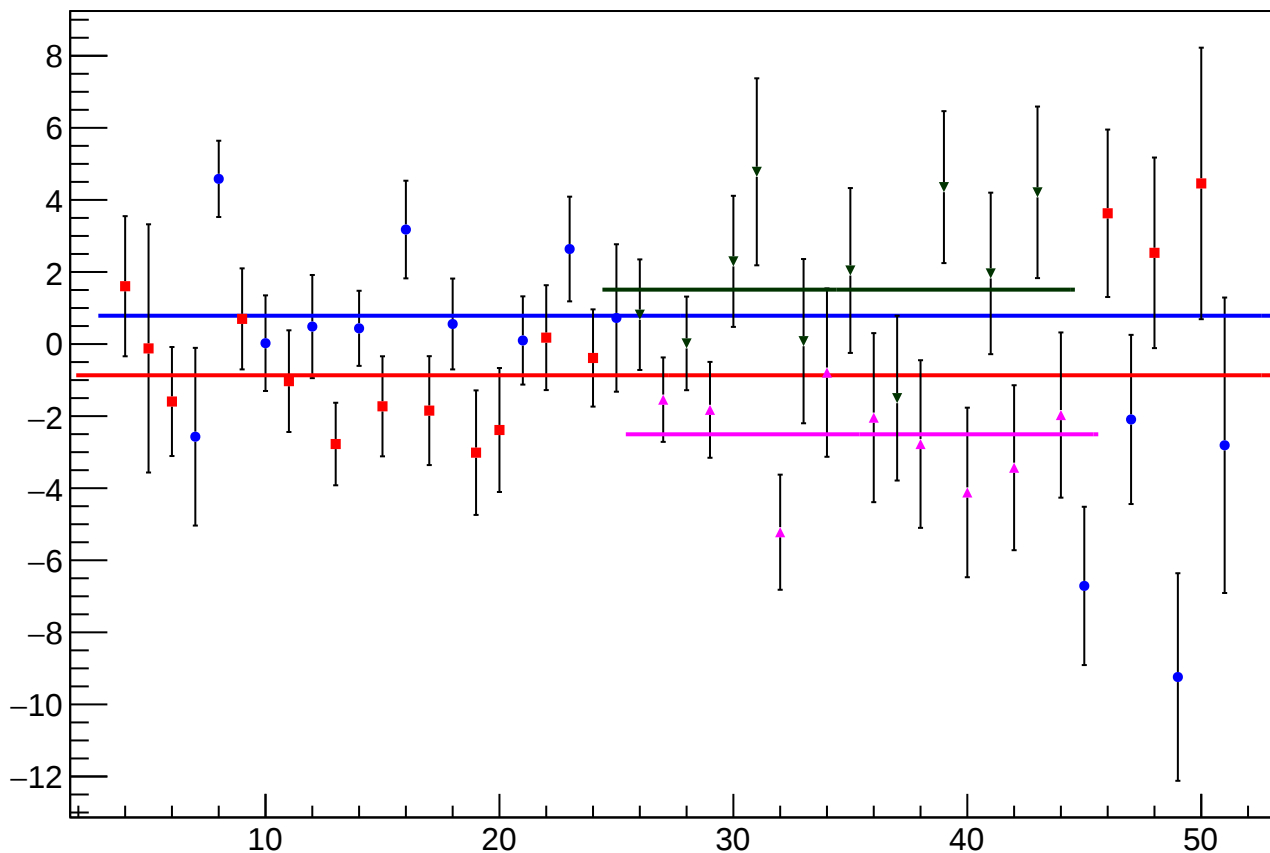
11802.491+/-2.280 χ^2/NDF : 1731048.7/23

Right Out: 13269.362+/-3.419 χ^2/NDF : 732458.9/14

12252.464+/-2.418 χ^2/NDF : 1398784.8/23

Left In: 11234.076+/-3.421 χ^2/NDF : 489264.7/8

diff_bpm0l10Y_mean vs slug



Right In: 0.786 ± 0.403 $\chi^2/\text{NDF}: 46.3/13$

Left Out: 1.510 ± 0.615 $\chi^2/\text{NDF}: 8.6/9$

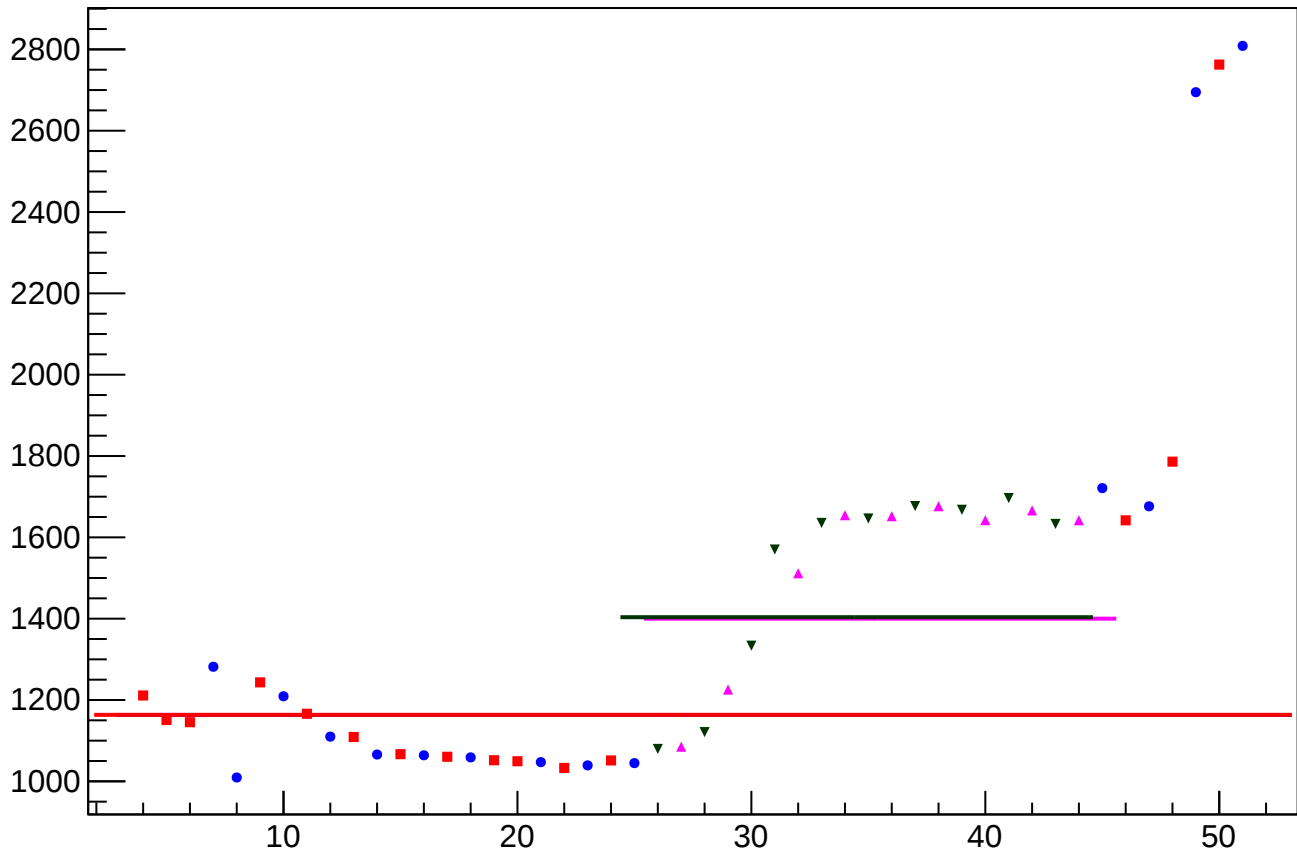
Right Out: -0.866 ± 0.422 $\chi^2/\text{NDF}: 17.1/14$

Left In: -2.504 ± 0.598 $\chi^2/\text{NDF}: 5.1/8$

1.004 ± 0.337 $\chi^2/\text{NDF}: 55.9/23$

-1.411 ± 0.345 $\chi^2/\text{NDF}: 27.2/23$

diff_bpm0l10Y_rms vs slug



Right In: 1163.210+/-0.285 χ^2/NDF : 1245393.3/13

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

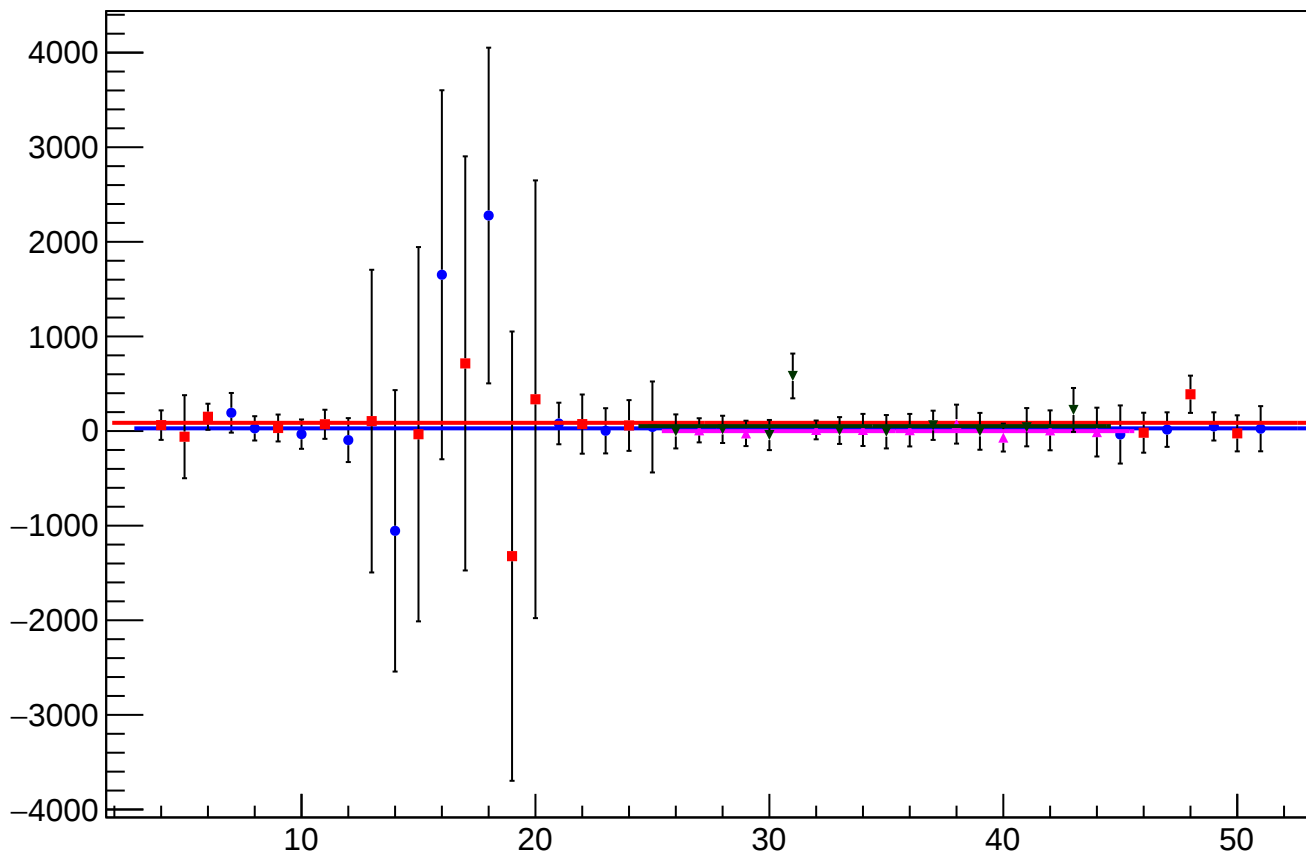
1235.426+/-0.238 χ^2/NDF : 1810240.4/23

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

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

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

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs slug



Right In: 28.453+/-58.702 χ^2/NDF : 4.0/13

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

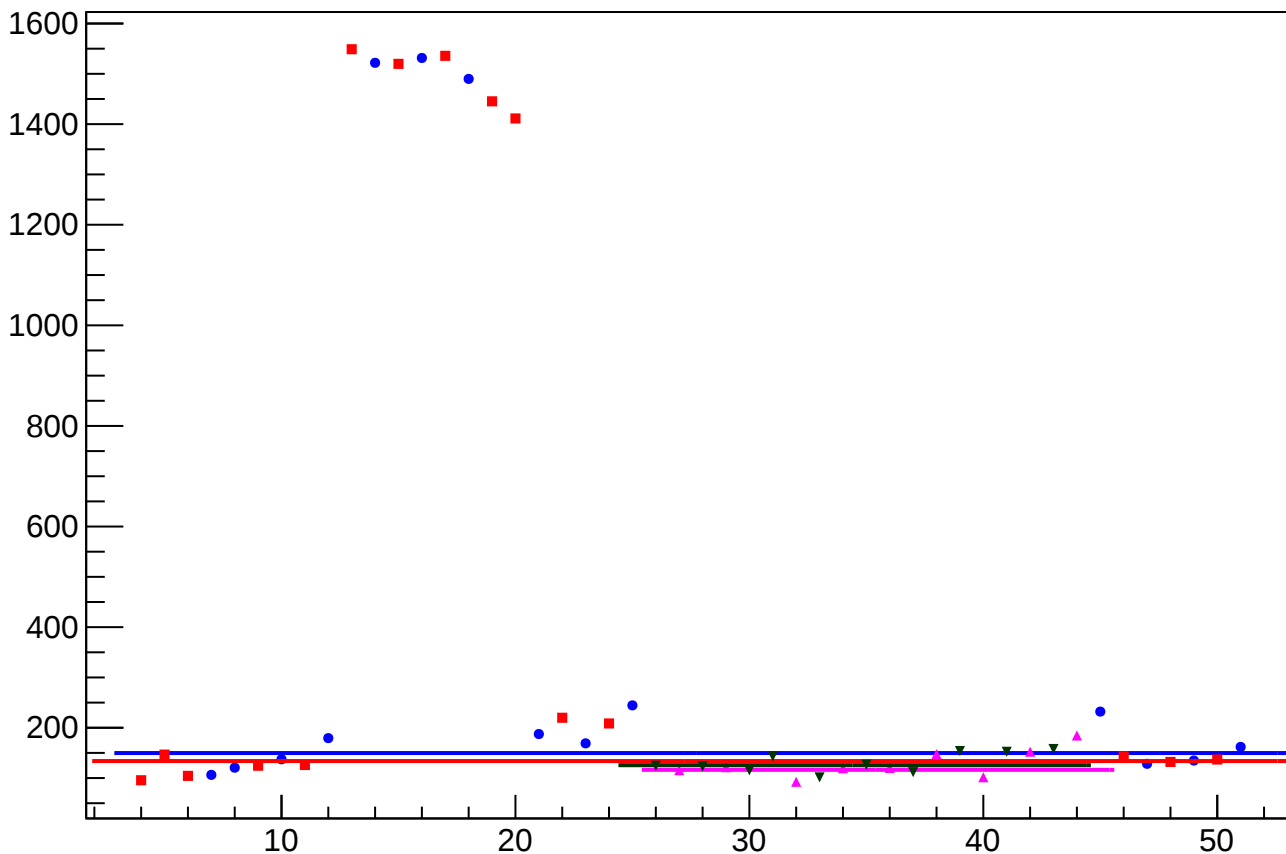
Right Out: 86.935+/-58.556 χ^2/NDF : 3.9/14

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

40.965+/-40.172 χ^2/NDF : 10.5/23

36.370+/-38.184 χ^2/NDF : 5.6/23

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs slug



Right In: 149.717+/-0.042 χ^2/NDF : 4427013.5/13

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

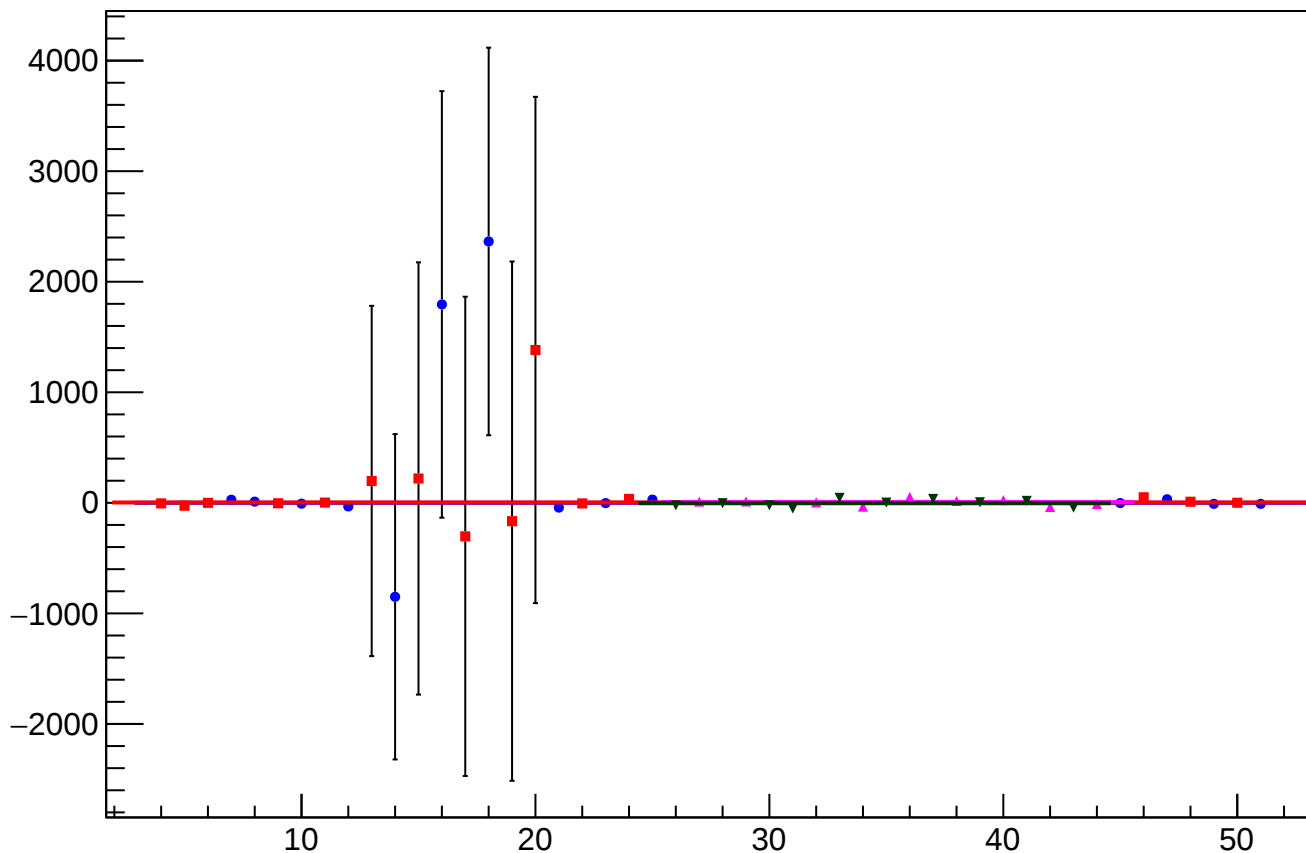
136.855+/-0.028 χ^2/NDF : 4816611.1/23

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: 0.689+/-5.298 χ^2/NDF : 14.0/13

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

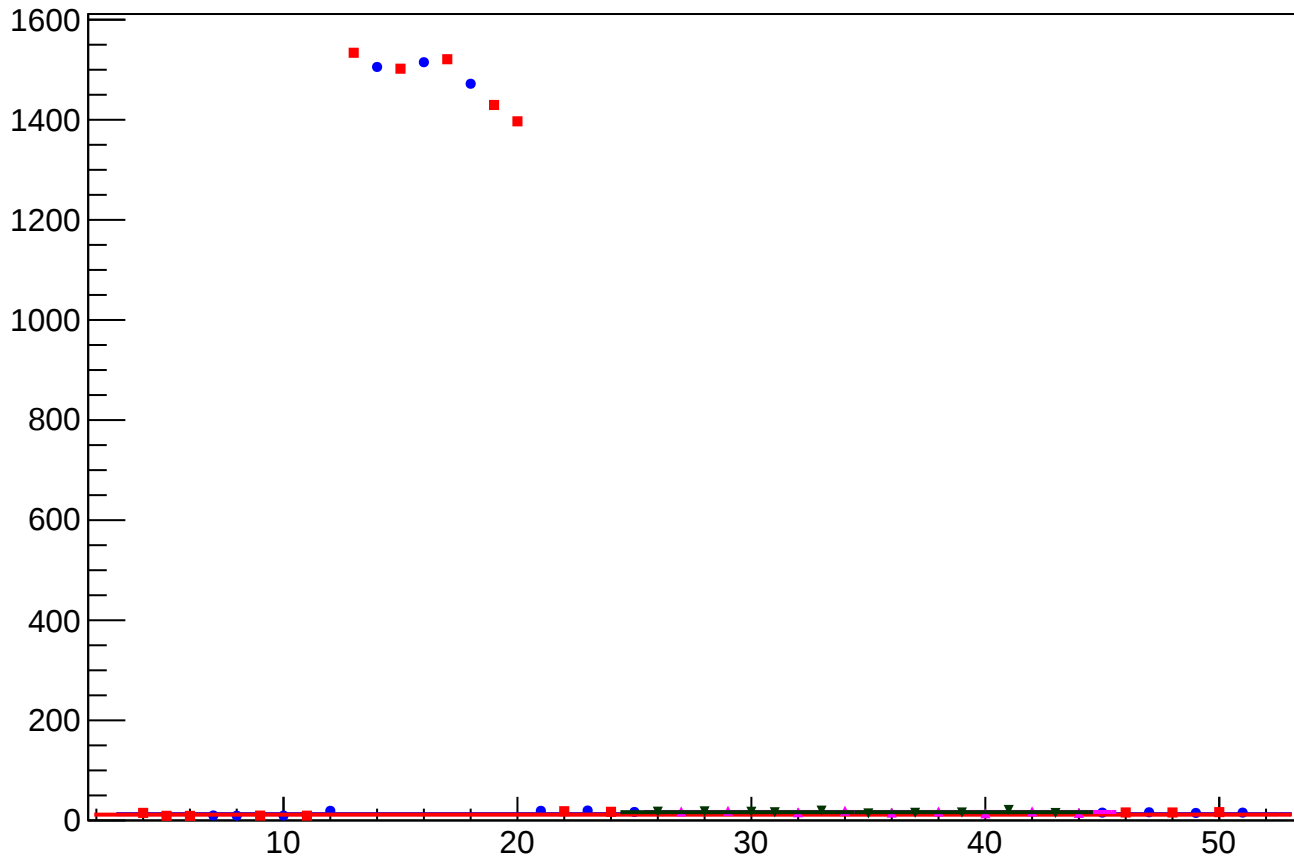
Right Out: 3.408+/-5.401 χ^2/NDF : 8.2/14

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

-0.806+/-4.314 χ^2/NDF : 28.8/23

4.860+/-4.371 χ^2/NDF : 18.9/23

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs slug



Right In: 12.629+/-0.004 χ^2/NDF : 5595763.9/13

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

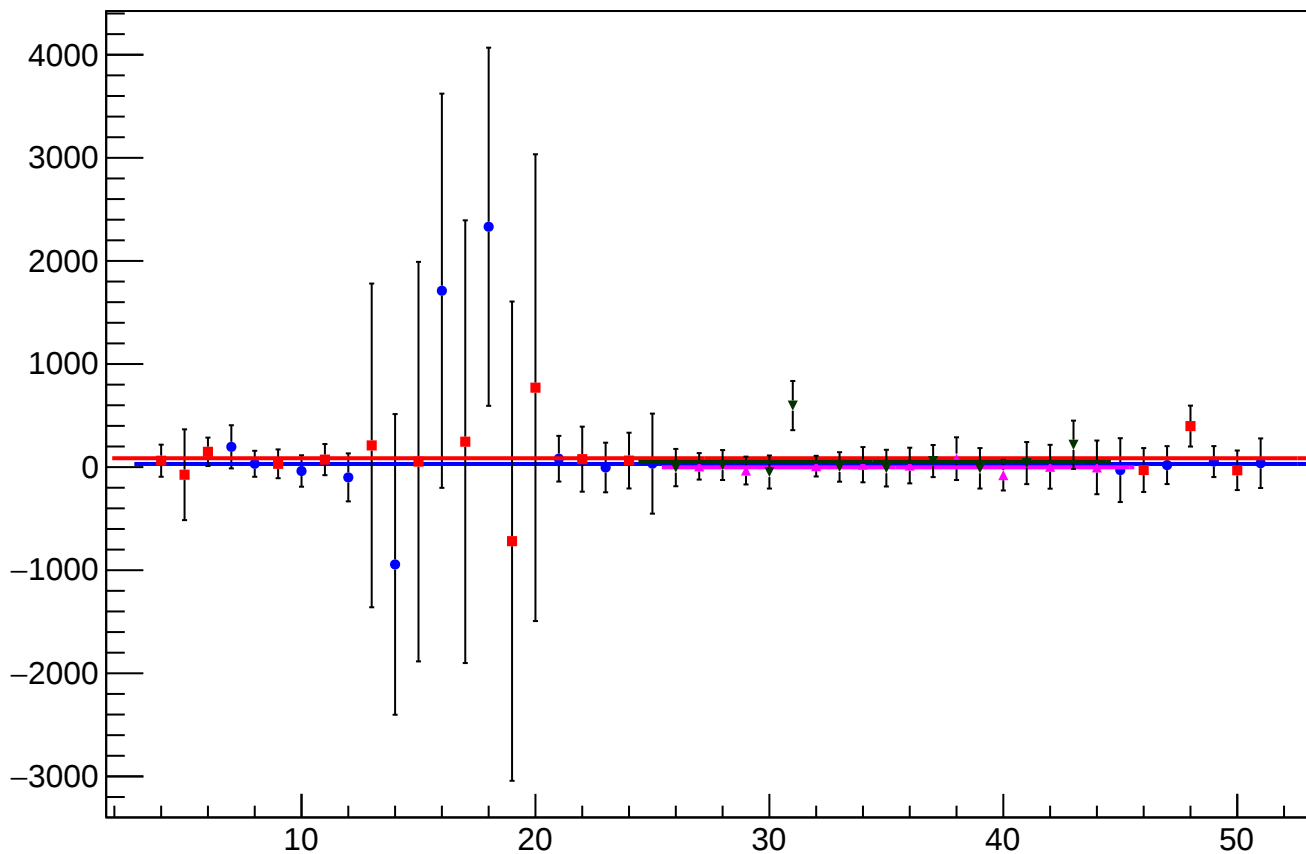
Right Out: 11.641+/-0.004 χ^2/NDF : 6189351.9/14

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

13.962+/-0.003 χ^2/NDF : 6104515.5/23

13.474+/-0.003 χ^2/NDF : 6968648.1/23

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs slug



Right In: 30.553+/-58.541 χ^2/NDF : 4.3/13

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

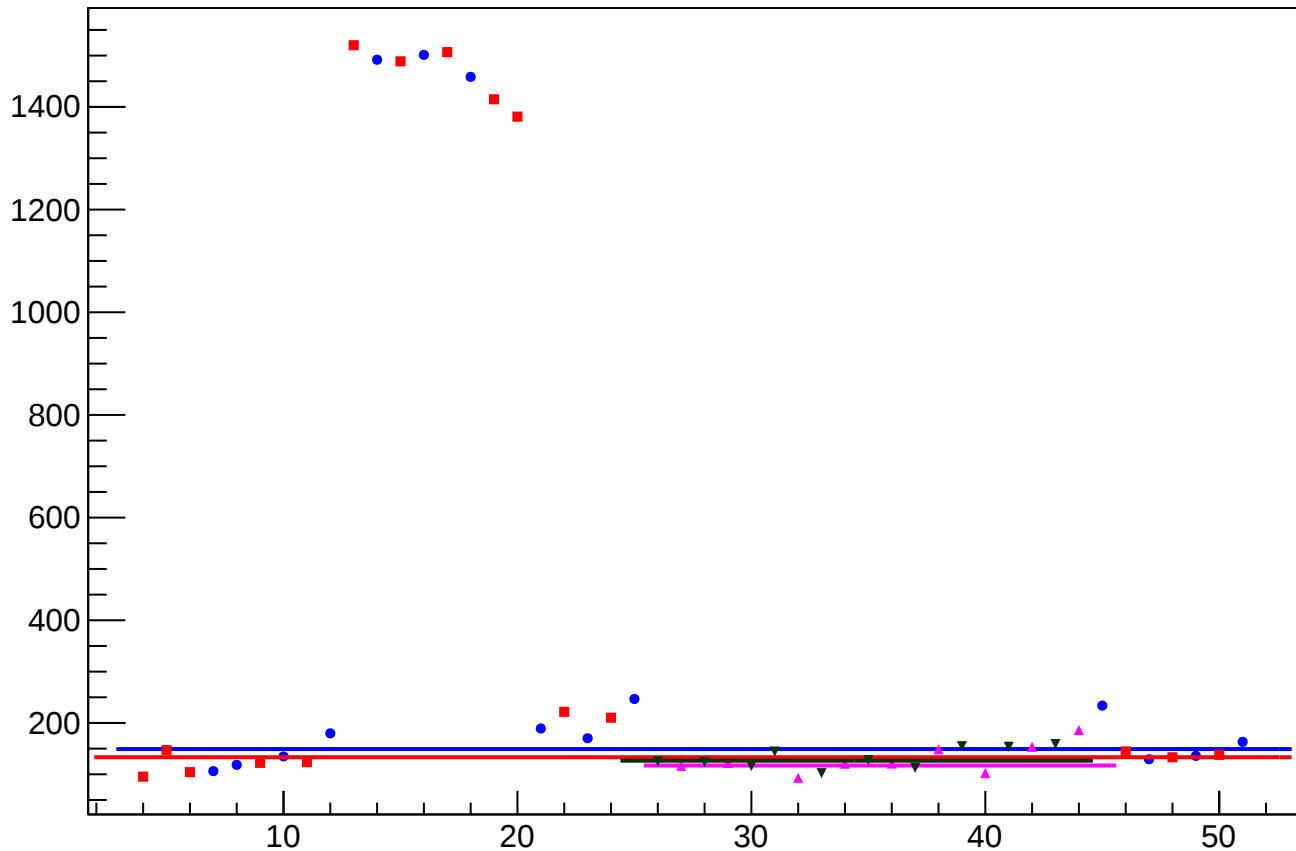
Right Out: 86.157+/-58.332 χ^2/NDF : 3.9/14

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

40.851+/-40.285 χ^2/NDF : 10.9/23

36.117+/-38.278 χ^2/NDF : 5.7/23

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs slug



Right In: 149.198+/-0.041 χ^2/NDF : 4445402.1/13

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

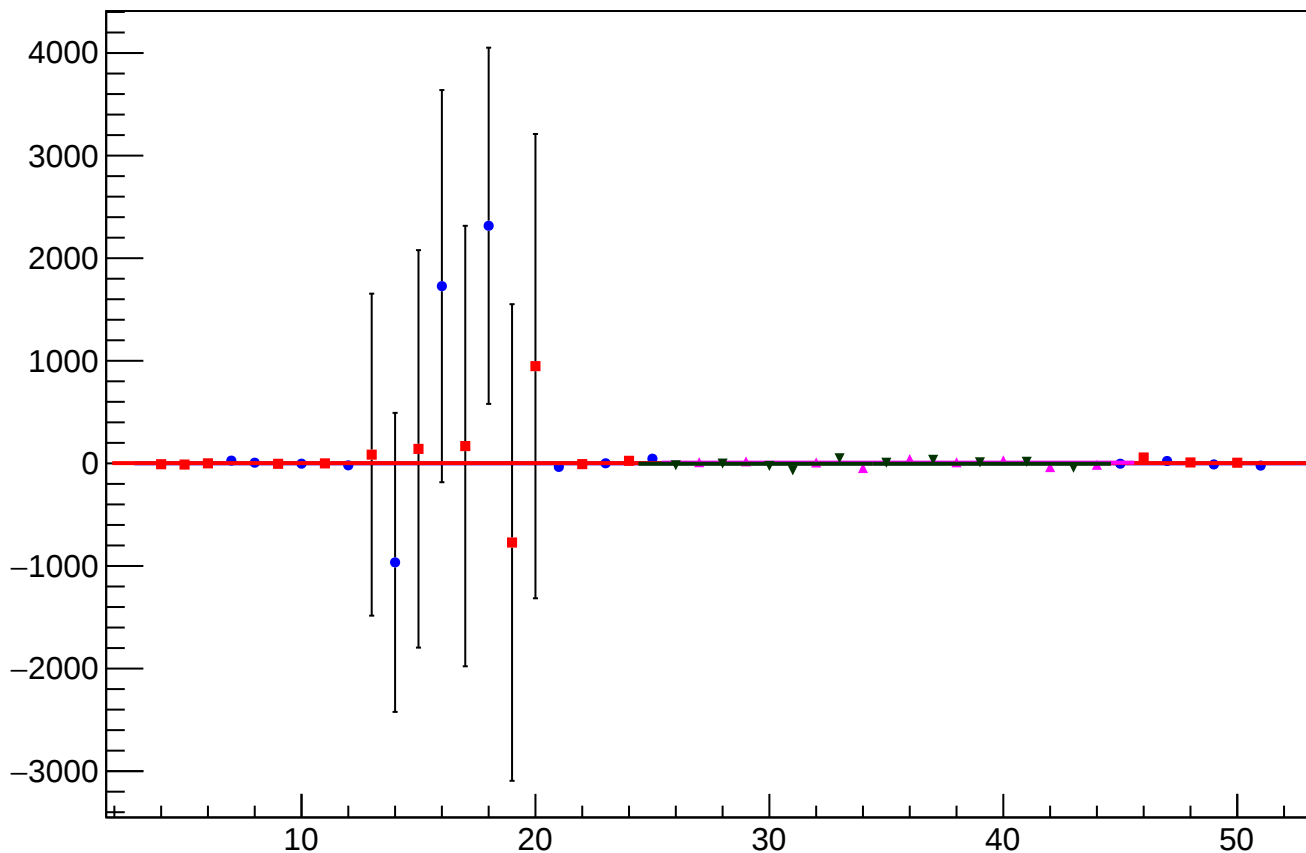
Right Out: 133.286+/-0.041 χ^2/NDF : 5128533.2/14

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

137.247+/-0.028 χ^2/NDF : 4812909.5/23

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

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs slug



Right In: 0.869+/-4.887 χ^2/NDF : 12.6/13

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

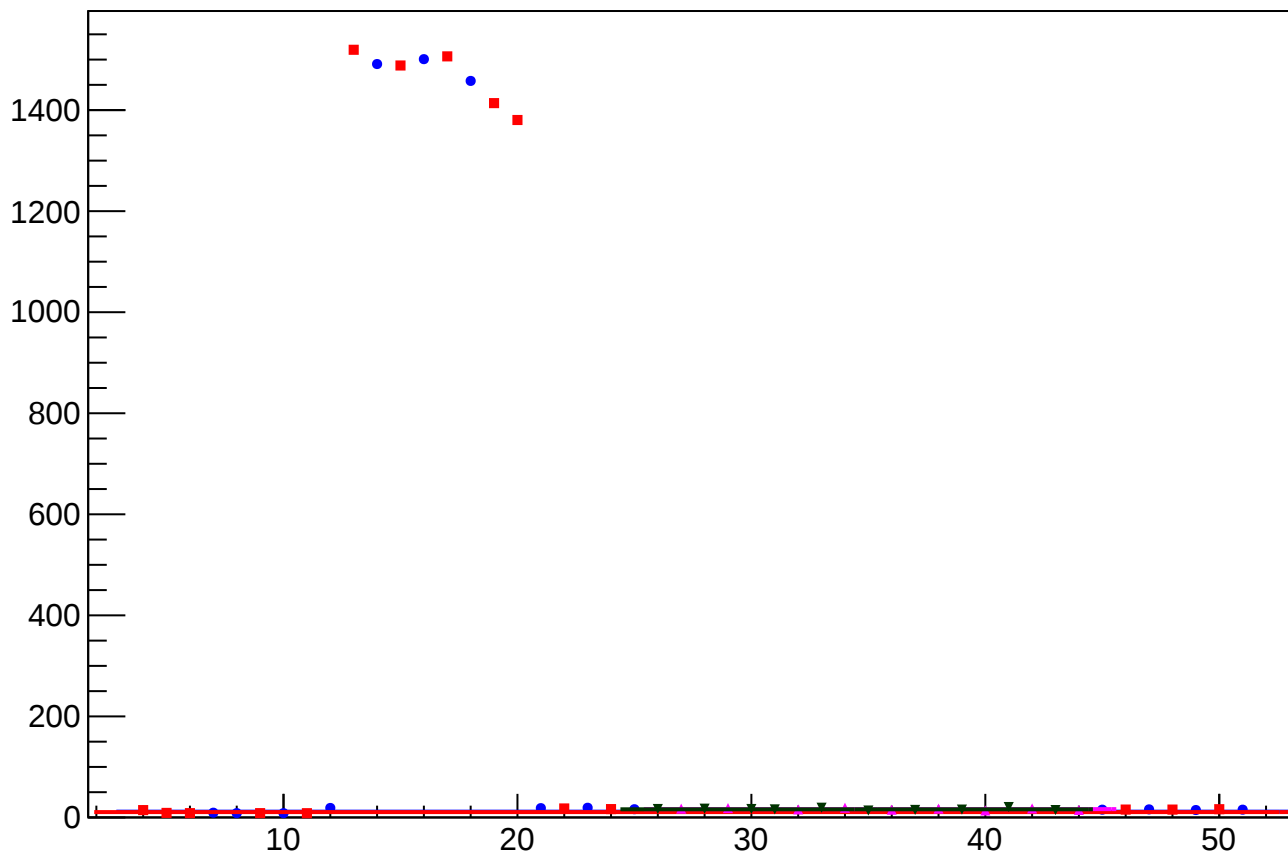
Right Out: 2.651+/-4.979 χ^2/NDF : 8.2/14

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

-0.433+/-4.051 χ^2/NDF : 30.9/23

4.254+/-4.105 χ^2/NDF : 19.8/23

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs slug



Right In: 11.473+/-0.003 χ^2/NDF : 5891453.0/13

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

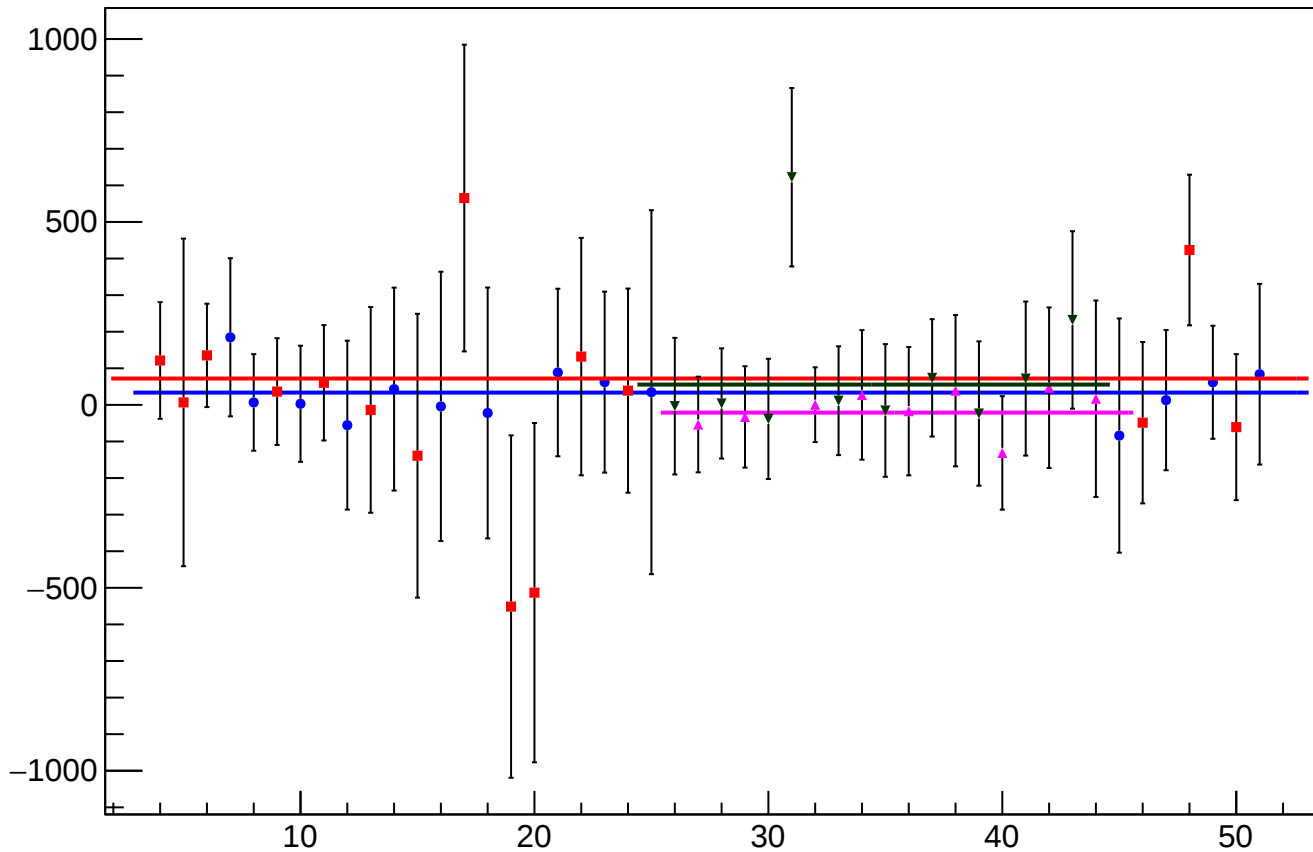
Right Out: 10.610+/-0.004 χ^2/NDF : 6369258.7/14

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

12.932+/-0.003 χ^2/NDF : 6589061.1/23

12.496+/-0.003 χ^2/NDF : 7368630.4/23

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs slug



Right In: 33.593+/-57.648 χ^2/NDF : 1.0/13

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

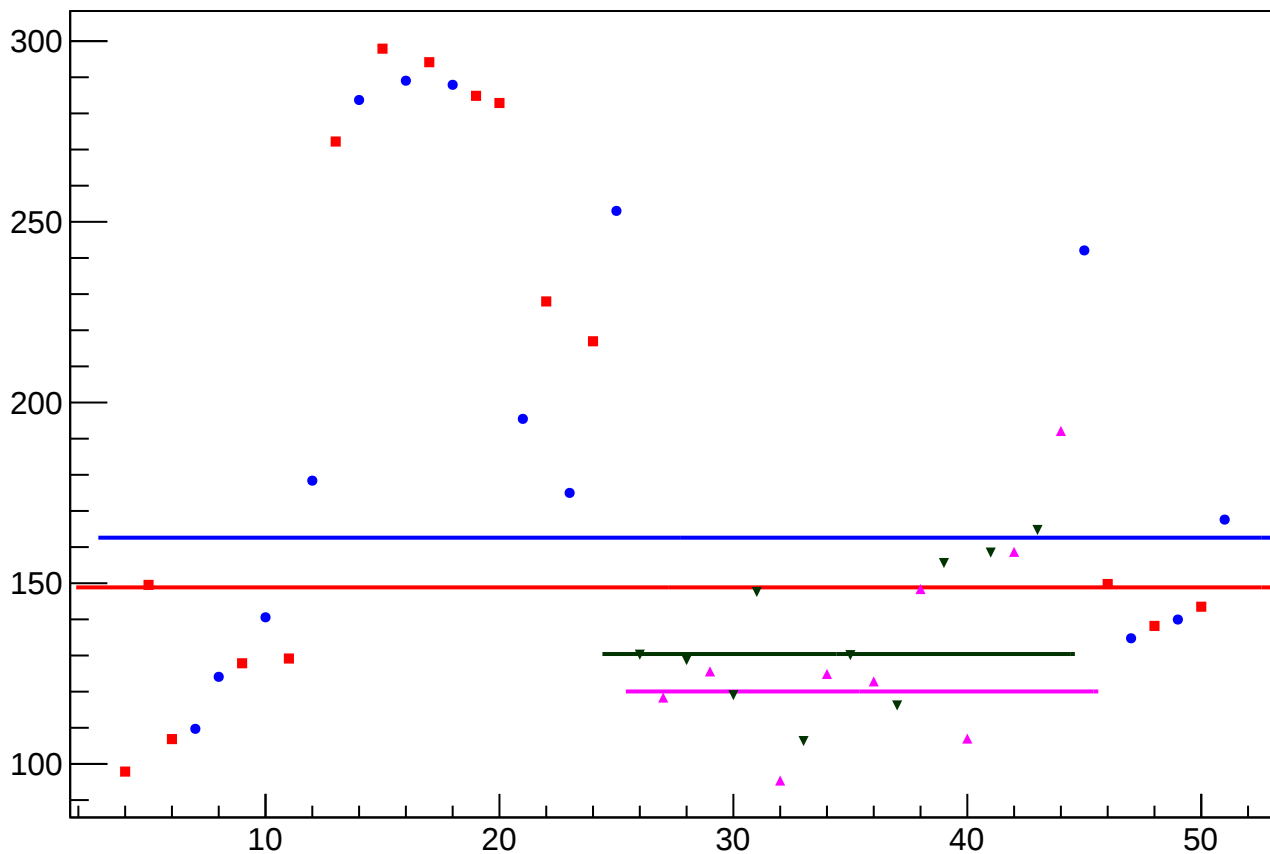
Right Out: 72.073+/-57.030 χ^2/NDF : 9.2/14

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

44.647+/-40.580 χ^2/NDF : 8.0/23

21.128+/-38.411 χ^2/NDF : 11.6/23

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs slug



Right In: 162.602 $\pm$ 0.041 χ^2 /NDF: 1543961.8/13

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

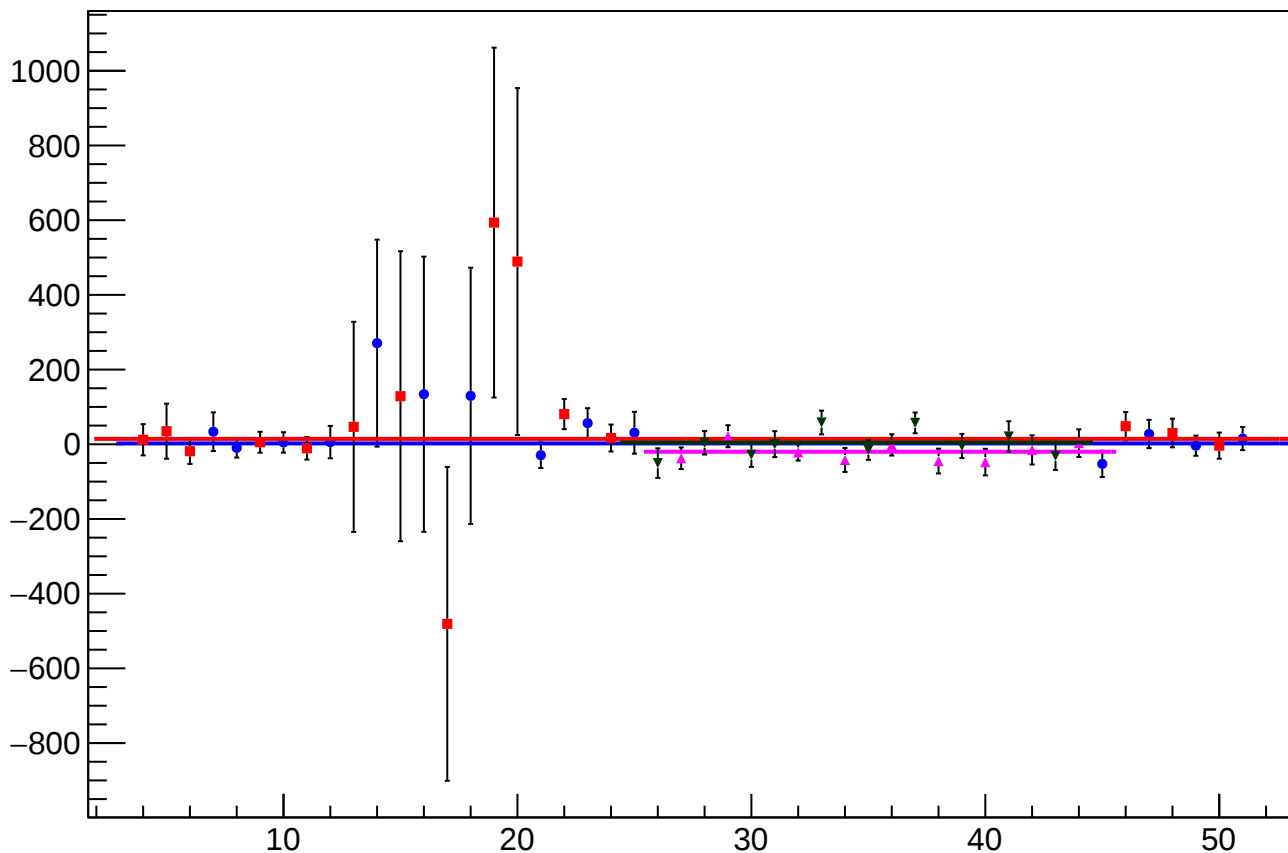
146.363 $\pm$ 0.029 χ^2 /NDF: 2054693.8/23

Right Out: 148.853 $\pm$ 0.040 χ^2 /NDF: 1955202.2/14

133.118 $\pm$ 0.027 χ^2 /NDF: 2613425.7/23

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

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs slug



Right In: 2.298 ± 10.273 $\chi^2/\text{NDF}: 7.8/13$

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

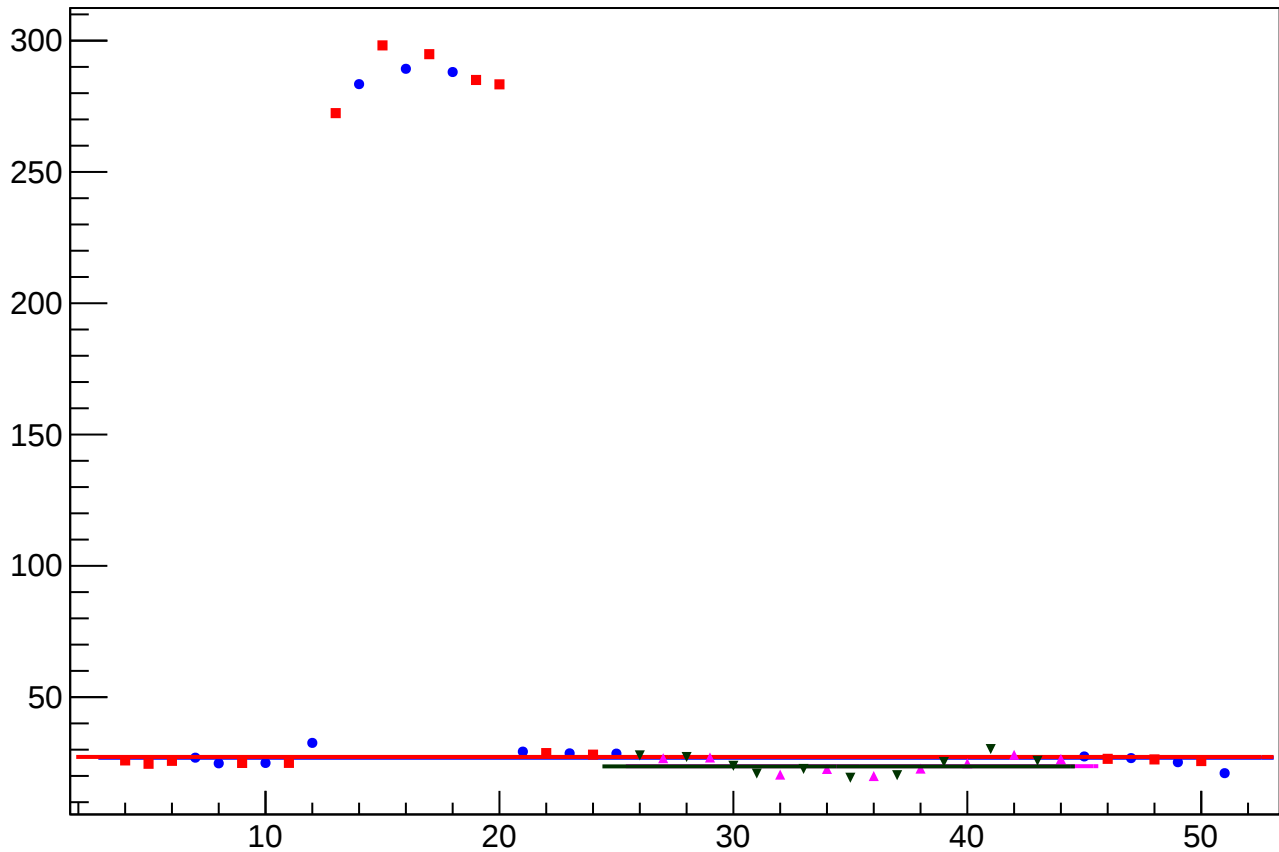
3.494 ± 7.288 $\chi^2/\text{NDF}: 18.9/23$

Right Out: 14.428 ± 11.477 $\chi^2/\text{NDF}: 9.8/14$

-4.894 ± 7.600 $\chi^2/\text{NDF}: 19.7/23$

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

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs slug



Right In: 26.928+/-0.007 χ^2/NDF : 4041038.9/13

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

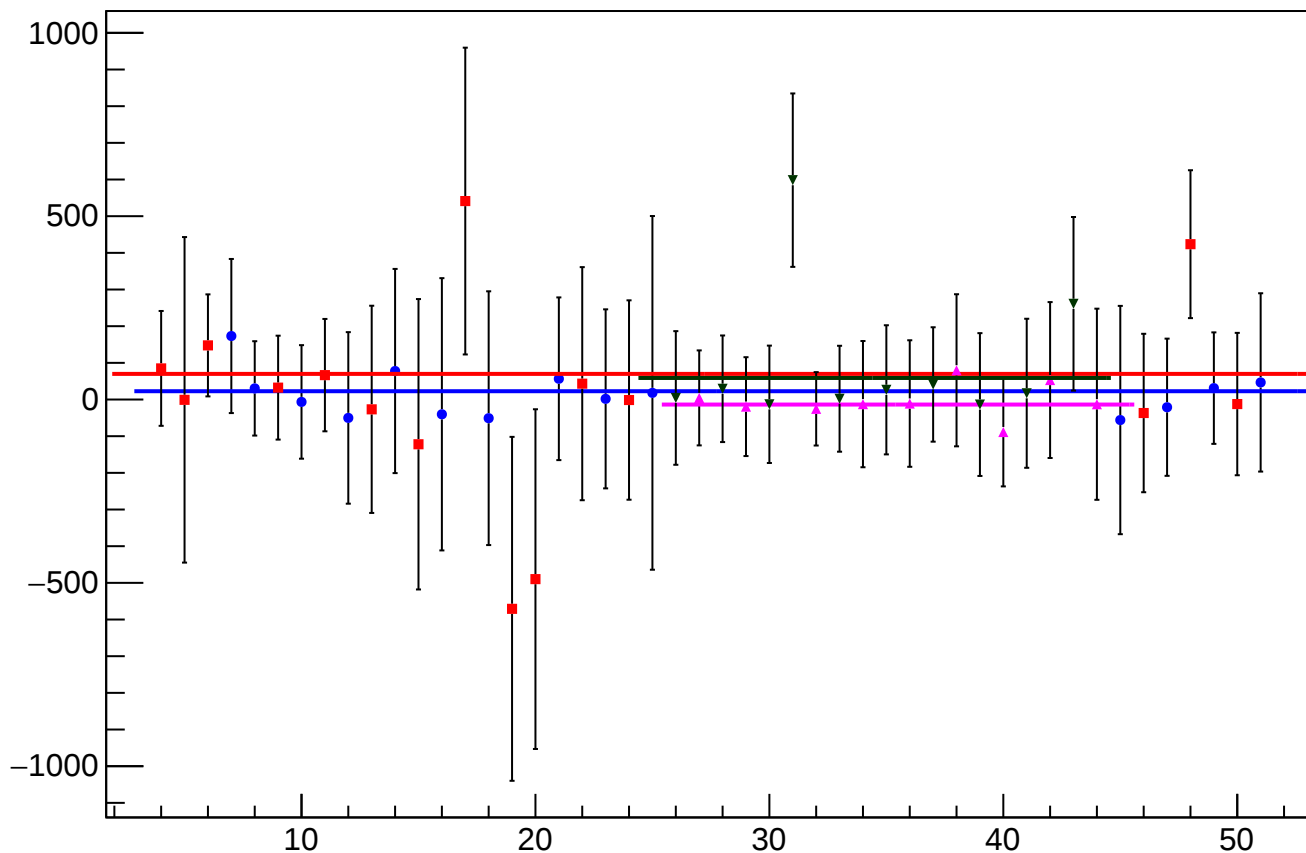
Right Out: 27.233+/-0.008 χ^2/NDF : 4561296.9/14

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

25.289+/-0.005 χ^2/NDF : 4350957.2/23

25.255+/-0.005 χ^2/NDF : 4832970.8/23

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs slug



Right In: 22.649+/-56.615 χ^2/NDF : 0.9/13

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

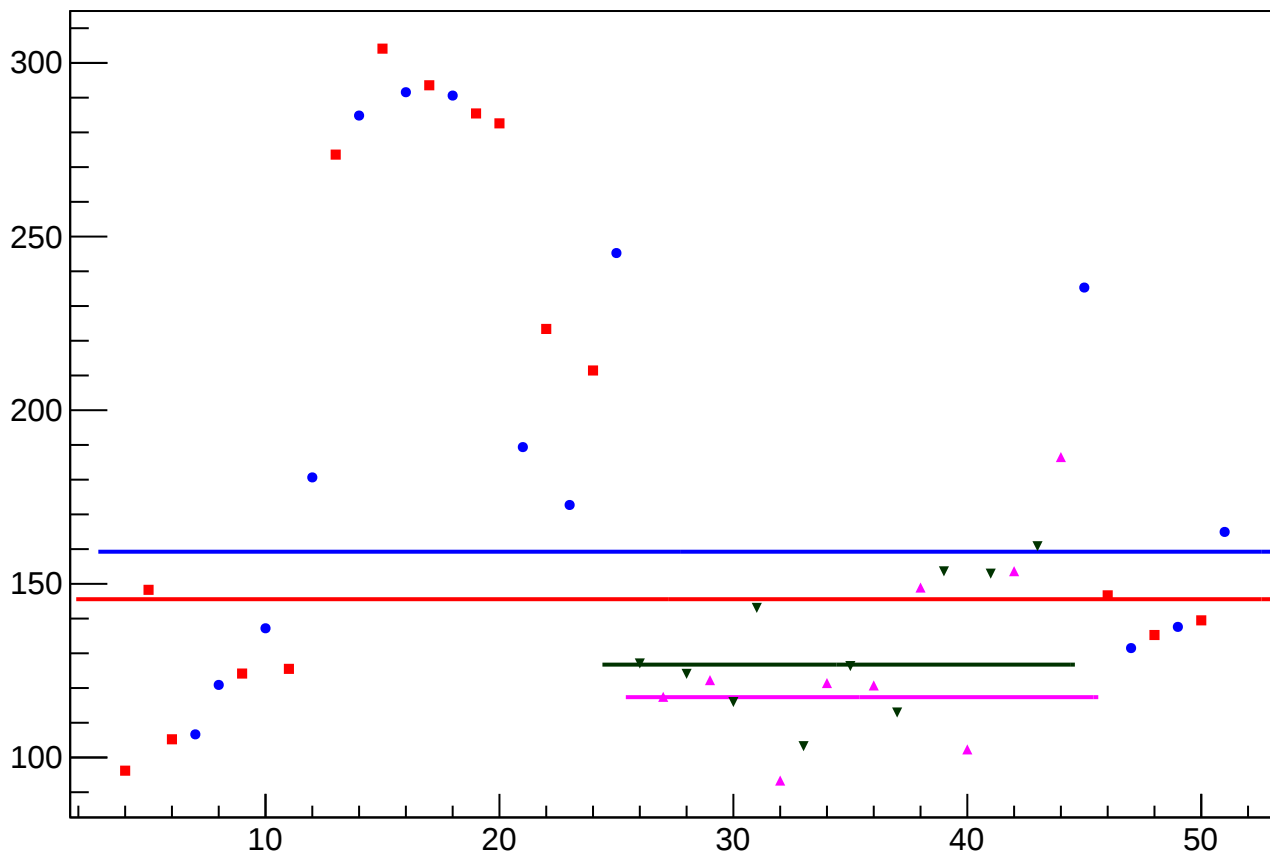
Right Out: 69.897+/-55.927 χ^2/NDF : 8.9/14

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

41.071+/-39.652 χ^2/NDF : 7.8/23

24.087+/-37.607 χ^2/NDF : 10.8/23

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs slug



Right In: 159.255 $\pm$ 0.040 χ^2/NDF : 1620961.7/13

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

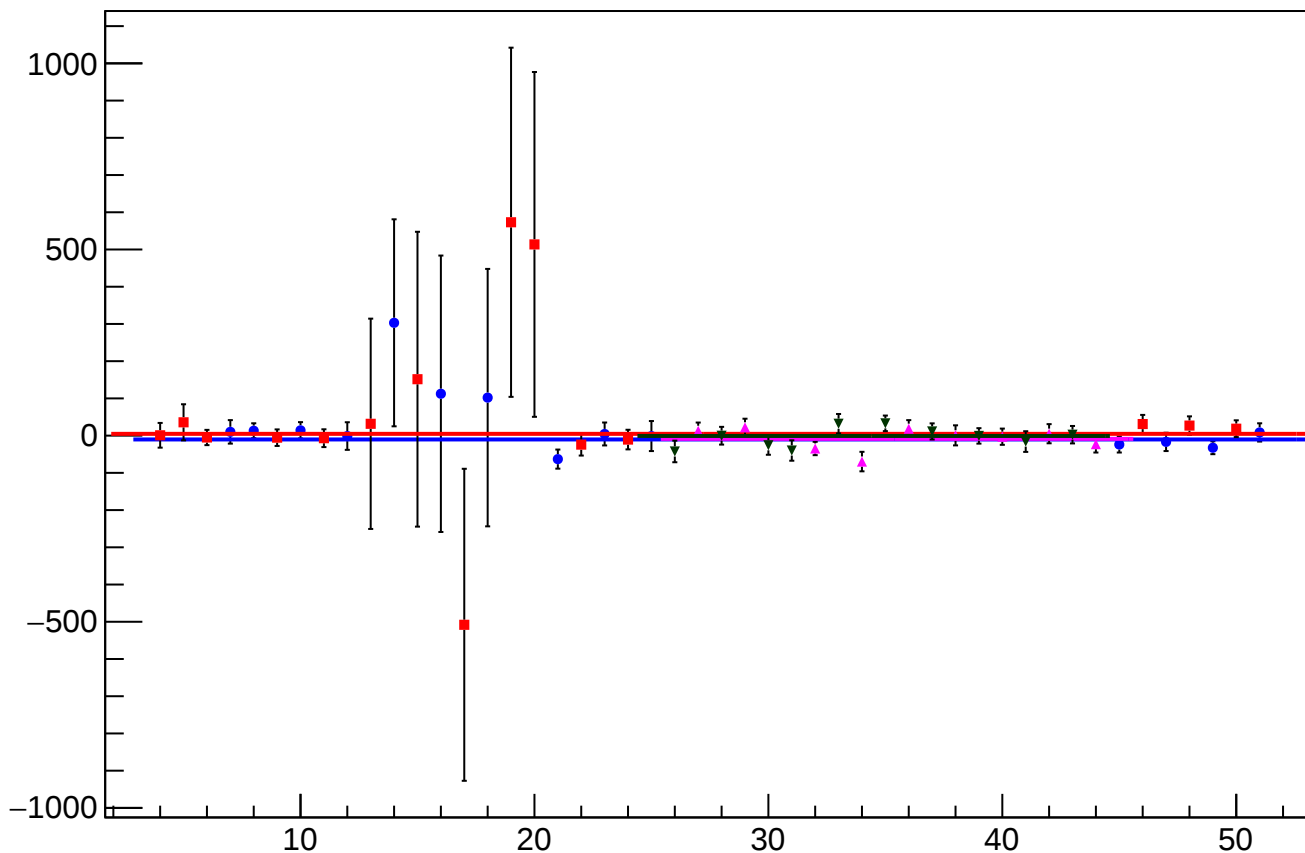
Right Out: 145.577 $\pm$ 0.040 χ^2/NDF : 2025710.2/14

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

142.690 $\pm$ 0.028 χ^2/NDF : 2157554.5/23

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

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs slug



Right In: -10.283 ± 7.381 χ^2/NDF : 11.8/13

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

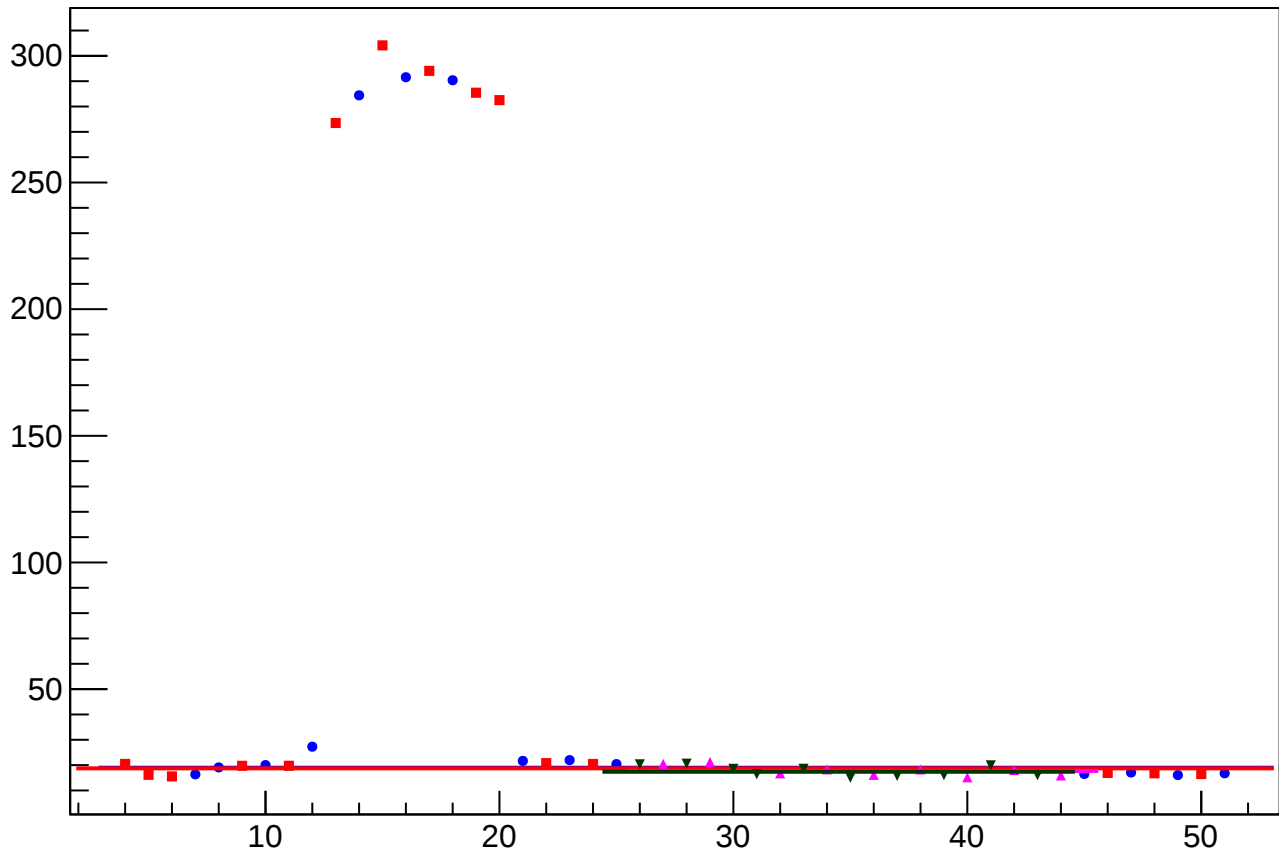
Right Out: 4.785 ± 8.064 χ^2/NDF : 9.1/14

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

-5.748 ± 5.307 χ^2/NDF : 22.5/23

-2.315 ± 5.532 χ^2/NDF : 23.0/23

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs slug



Right In: 18.969+/-0.005 χ^2 /NDF: 4406035.5/13

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

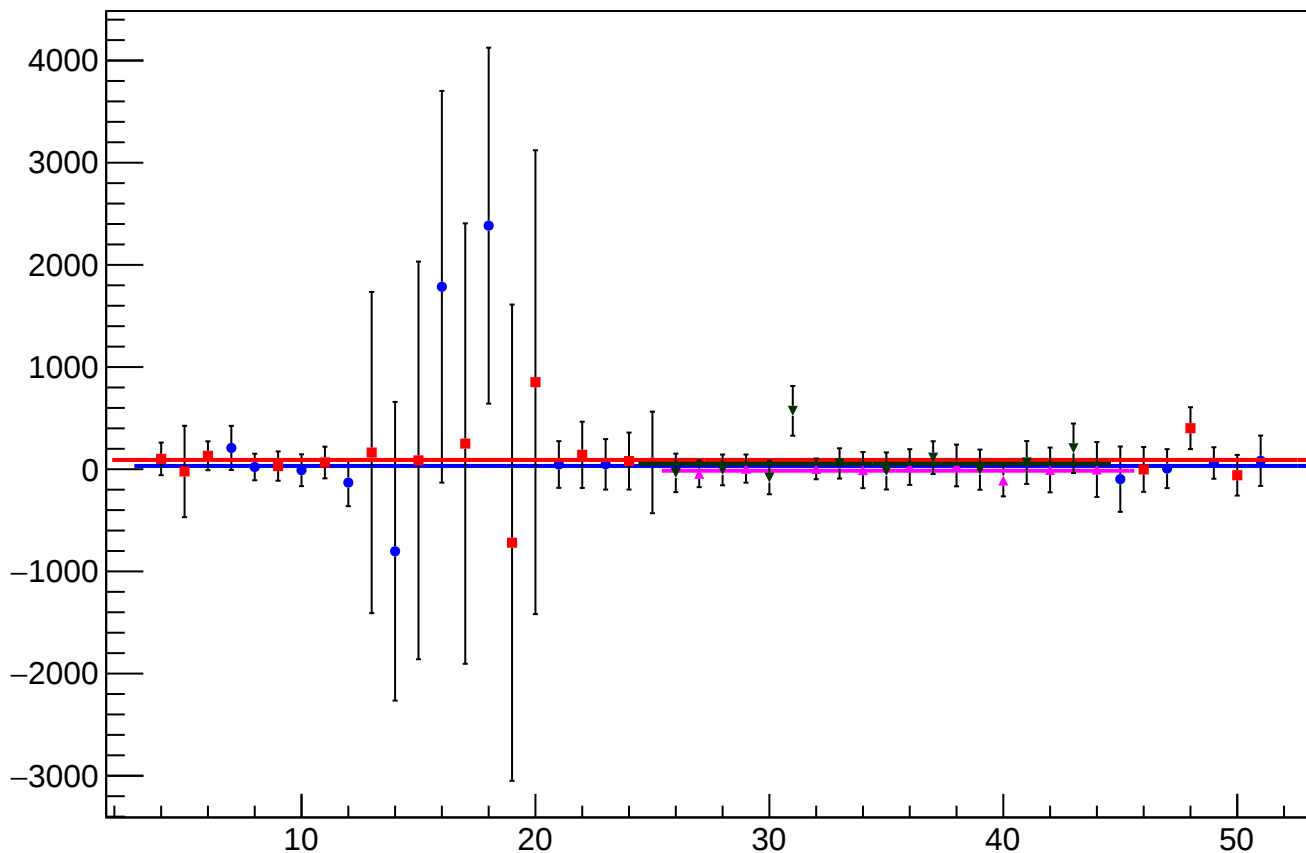
Right Out: 18.727+/-0.006 χ^2 /NDF: 4954145.1/14

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

18.202+/-0.004 χ^2 /NDF: 4586874.9/23

18.181+/-0.004 χ^2 /NDF: 5105479.1/23

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs slug



Right In: 32.040 $\pm$ 60.059 χ^2 /NDF: 4.5/13

Left Out: 54.414 $\pm$ 57.060 χ^2 /NDF:6.4/9

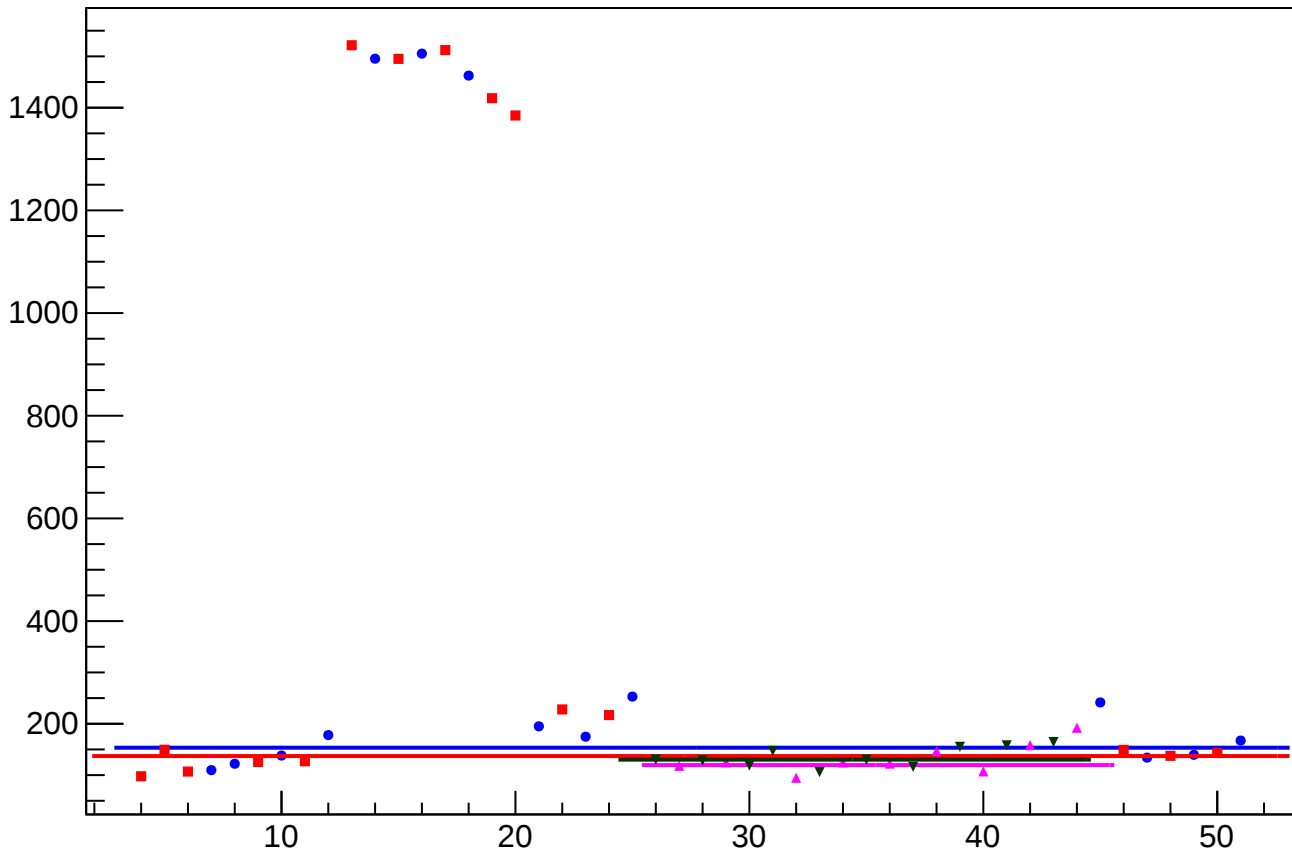
Right Out: 91.001 $\pm$ 59.954 χ^2 /NDF: 3.7/14

Left In: -14.439 $\pm$ 51.773 χ^2 /NDF:0.6/8

43.799 $\pm$ 41.367 χ^2 /NDF: 10.9/23

30.601 $\pm$ 39.185 χ^2 /NDF: 6.0/23

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs slug



Right In: 153.396 $\pm$ 0.042 χ^2 /NDF: 4407751.6/13

Left Out: 130.144 $\pm$ 0.040 χ^2 /NDF: 197118.8/9

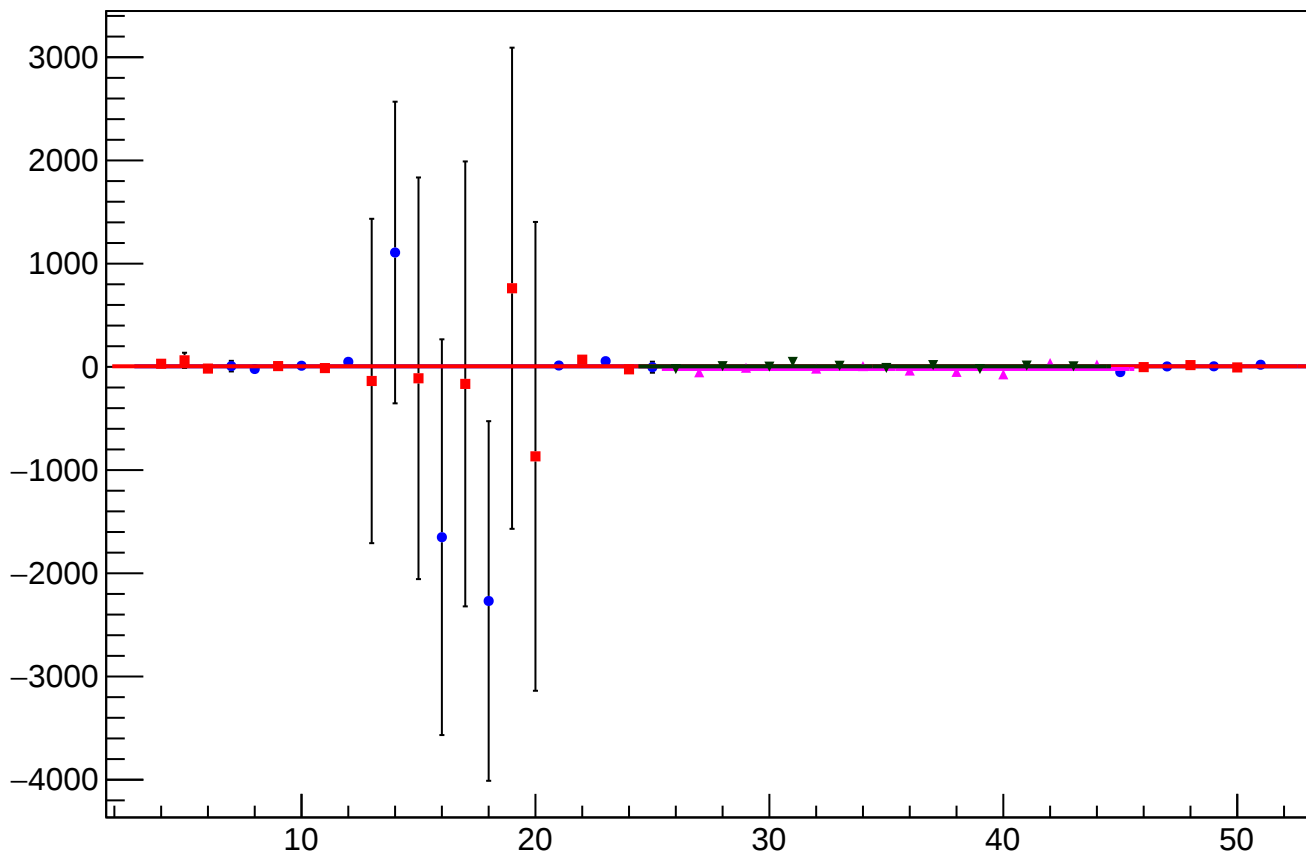
141.175 $\pm$ 0.029 χ^2 /NDF: 4762436.8/23

Right Out: 137.147 $\pm$ 0.042 χ^2 /NDF: 5114129.6/14

127.090 $\pm$ 0.028 χ^2 /NDF: 5593069.5/23

Left In: 119.590 $\pm$ 0.037 χ^2 /NDF: 380691.2/8

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs slug



Right In: 5.232 $\pm$ 9.966 χ^2 /NDF: 10.0/13

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

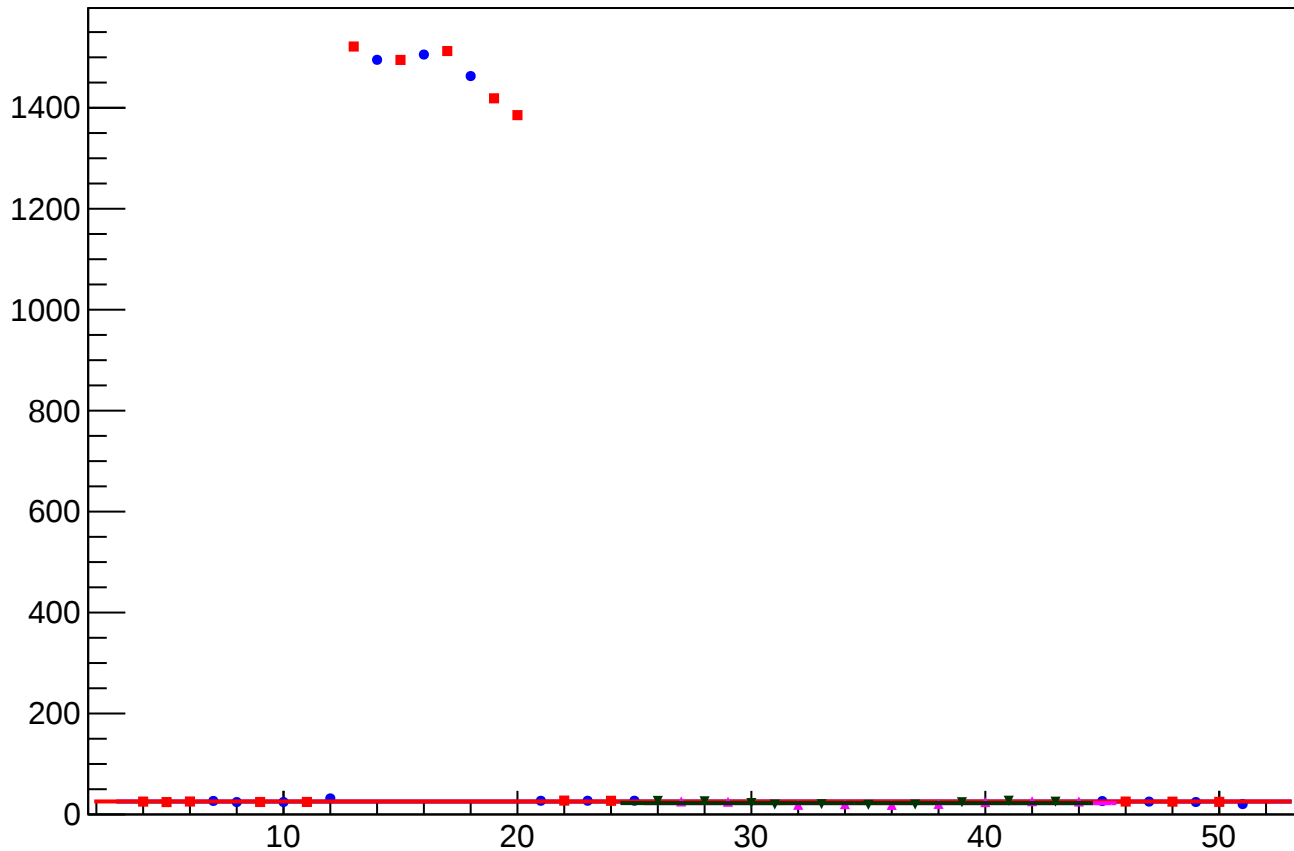
Right Out: 5.653 $\pm$ 11.225 χ^2 /NDF: 5.8/14

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

5.184 $\pm$ 6.983 χ^2 /NDF: 13.6/23

-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: 25.556+/-0.007 χ^2/NDF : 4696163.9/13

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

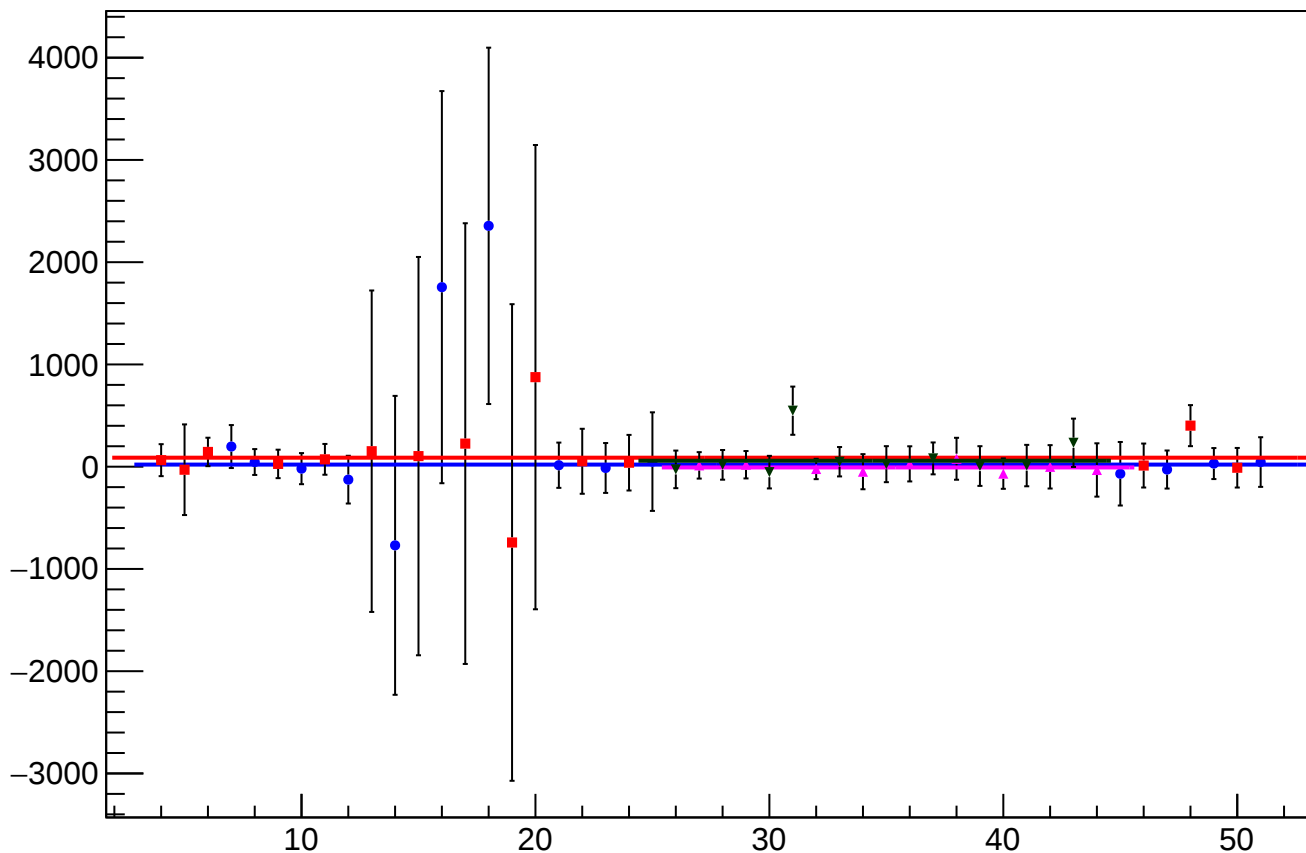
Right Out: 25.738+/-0.008 χ^2/NDF : 5348852.1/14

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

23.985+/-0.005 χ^2/NDF : 4986480.0/23

23.729+/-0.005 χ^2/NDF : 5652653.5/23

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs slug



Right In: 20.564 $\pm$ 58.815 χ^2 /NDF: 4.3/13

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

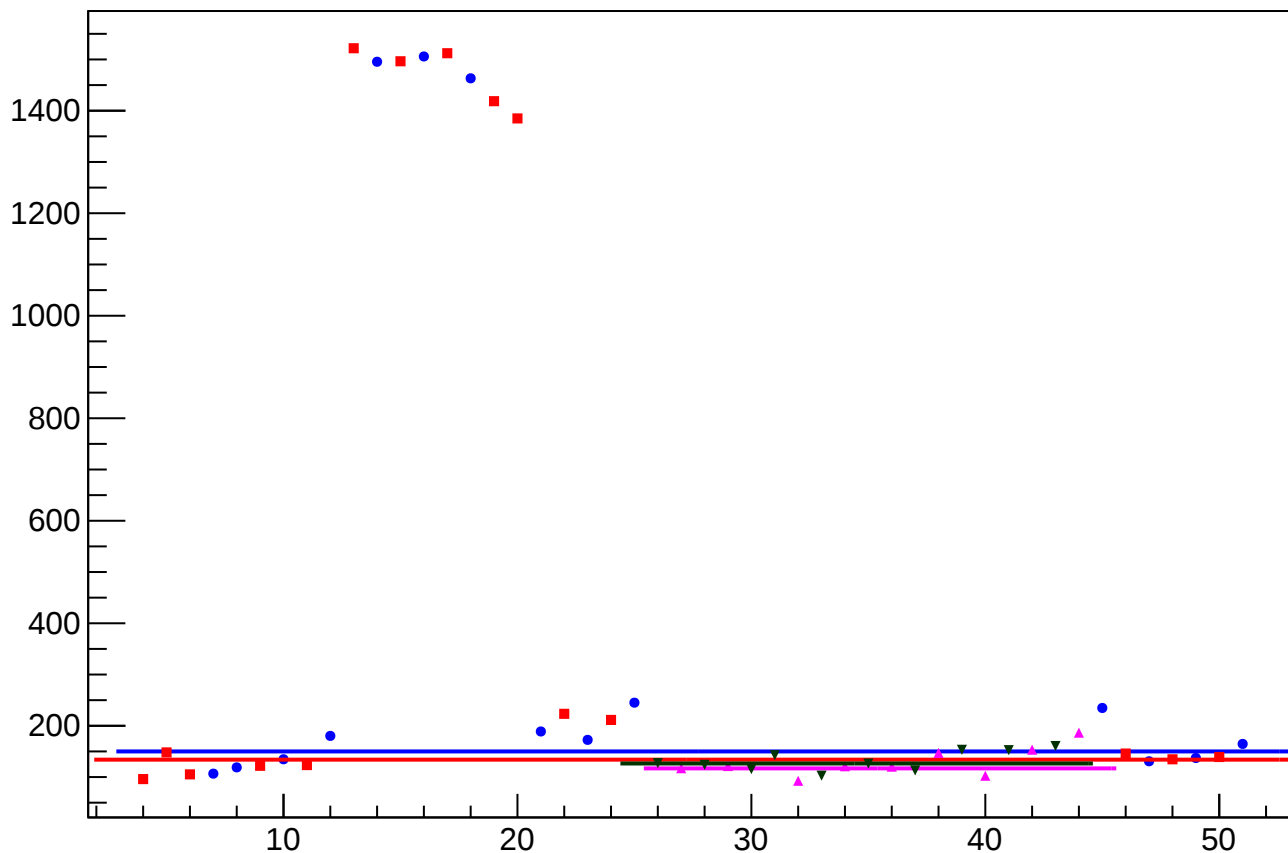
Right Out: 88.064 $\pm$ 58.599 χ^2 /NDF: 3.6/14

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

40.526 $\pm$ 40.355 χ^2 /NDF: 10.4/23

33.423 $\pm$ 38.305 χ^2 /NDF: 5.6/23

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs slug



Right In: 149.984+/-0.042 χ^2/NDF : 4439262.7/13

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

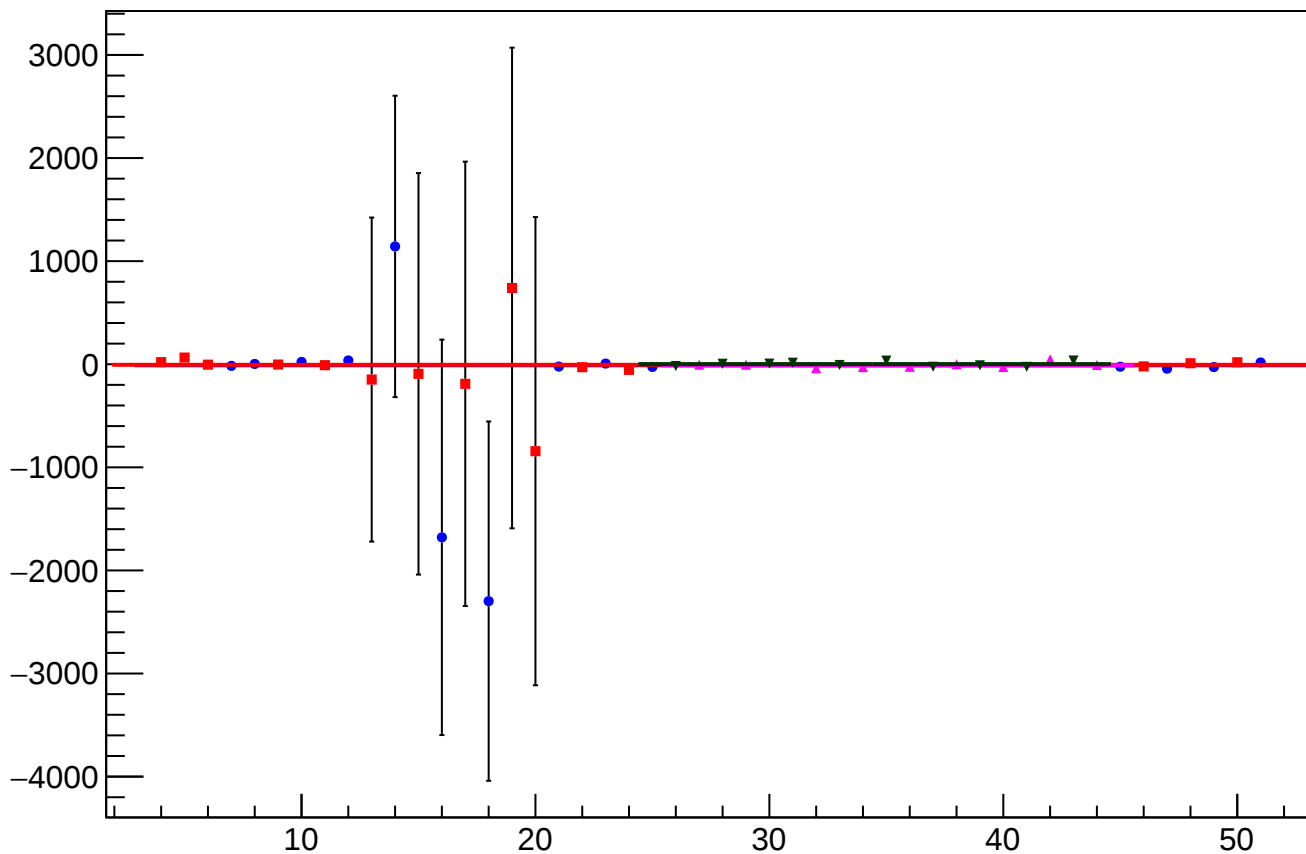
Right Out: 133.932+/-0.041 χ^2/NDF : 5128880.5/14

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

137.535+/-0.029 χ^2/NDF : 4810191.4/23

124.182+/-0.027 χ^2/NDF : 5612081.5/23

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs slug



Right In: -9.550+/-6.971 χ^2/NDF : 13.5/13

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

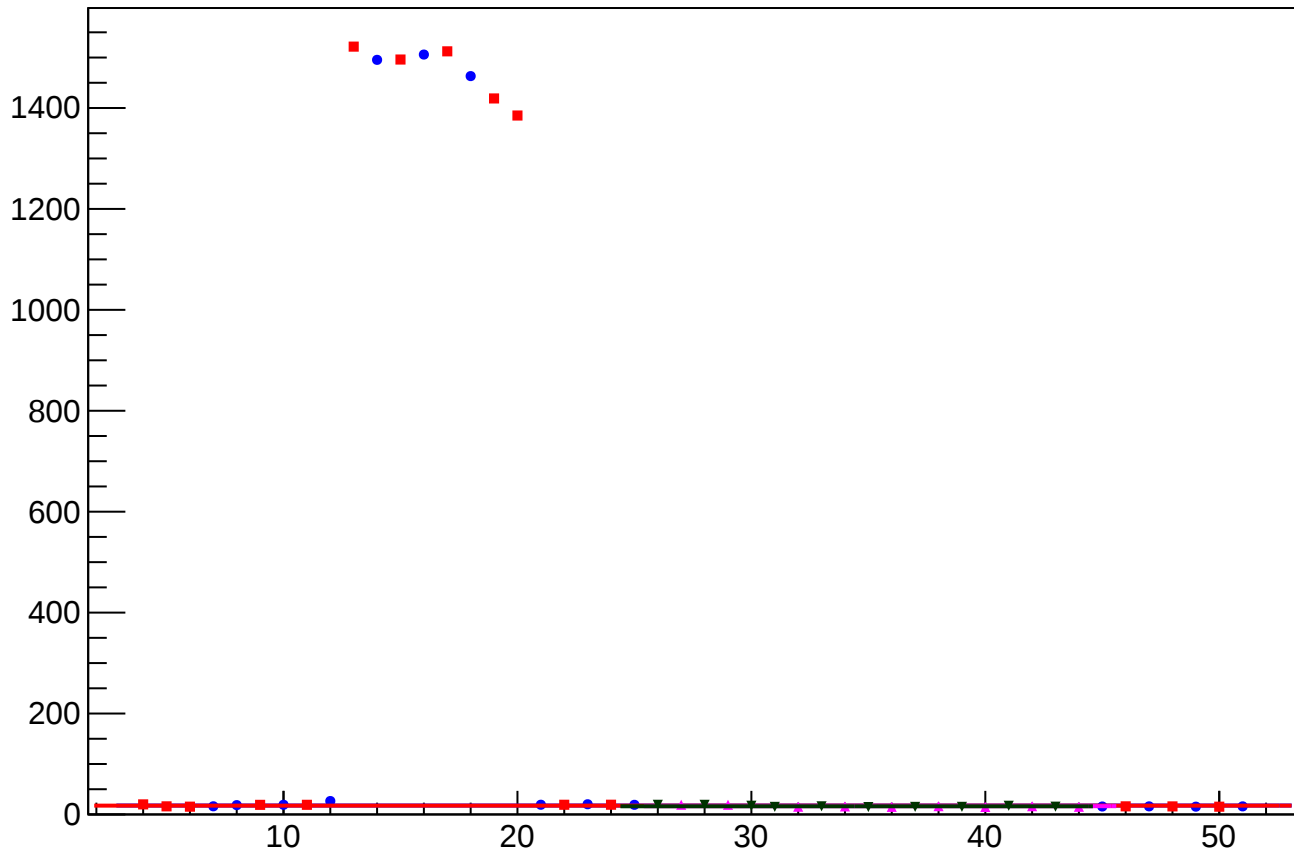
Right Out: -5.501+/-7.695 χ^2/NDF : 10.0/14

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

-4.134+/-4.956 χ^2/NDF : 24.2/23

-9.083+/-5.158 χ^2/NDF : 21.8/23

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs slug



Right In: 17.708+/-0.005 χ^2/NDF : 4870083.3/13

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

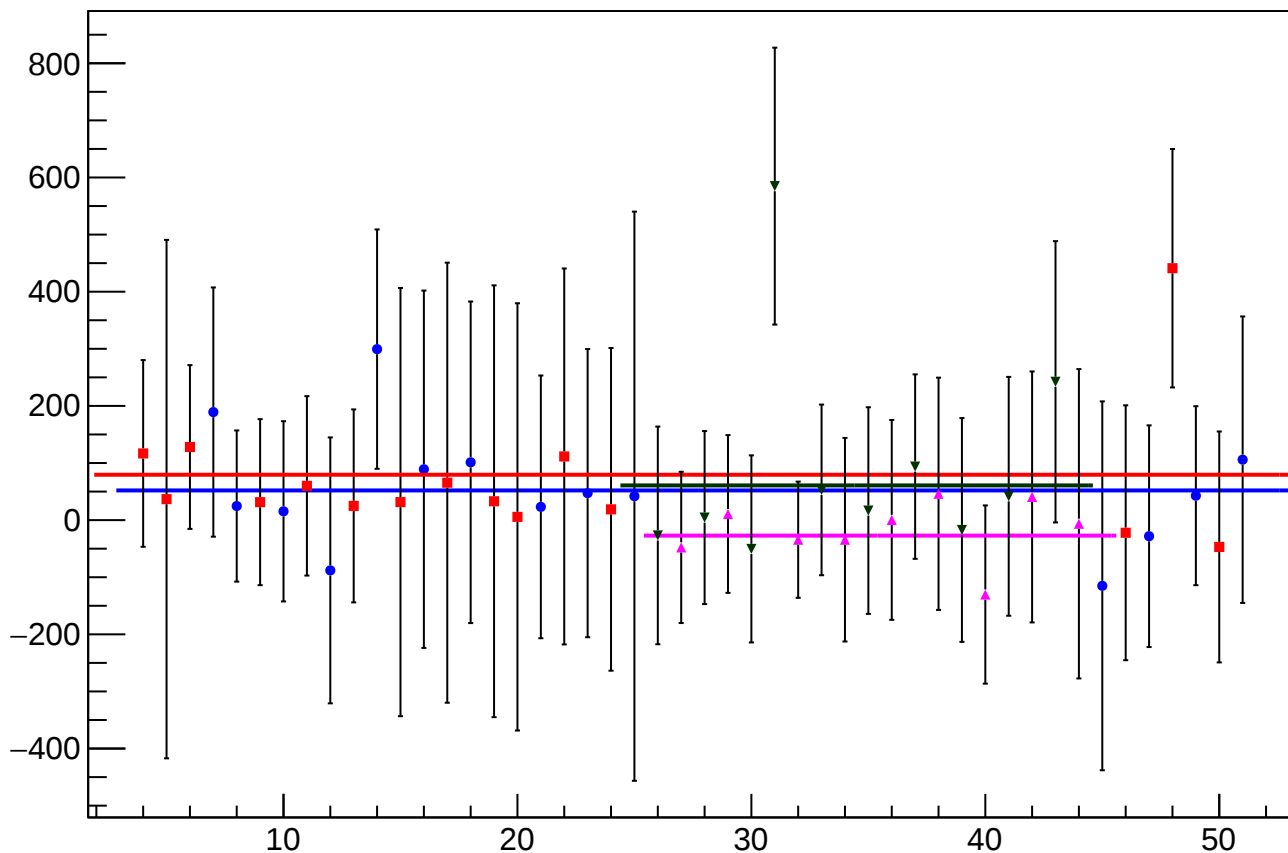
Right Out: 17.489+/-0.005 χ^2/NDF : 5505232.9/14

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

16.972+/-0.004 χ^2/NDF : 5012329.9/23

16.879+/-0.004 χ^2/NDF : 5632405.2/23

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs slug



Right In: 51.987+/-56.464 χ^2/NDF : 2.8/13

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

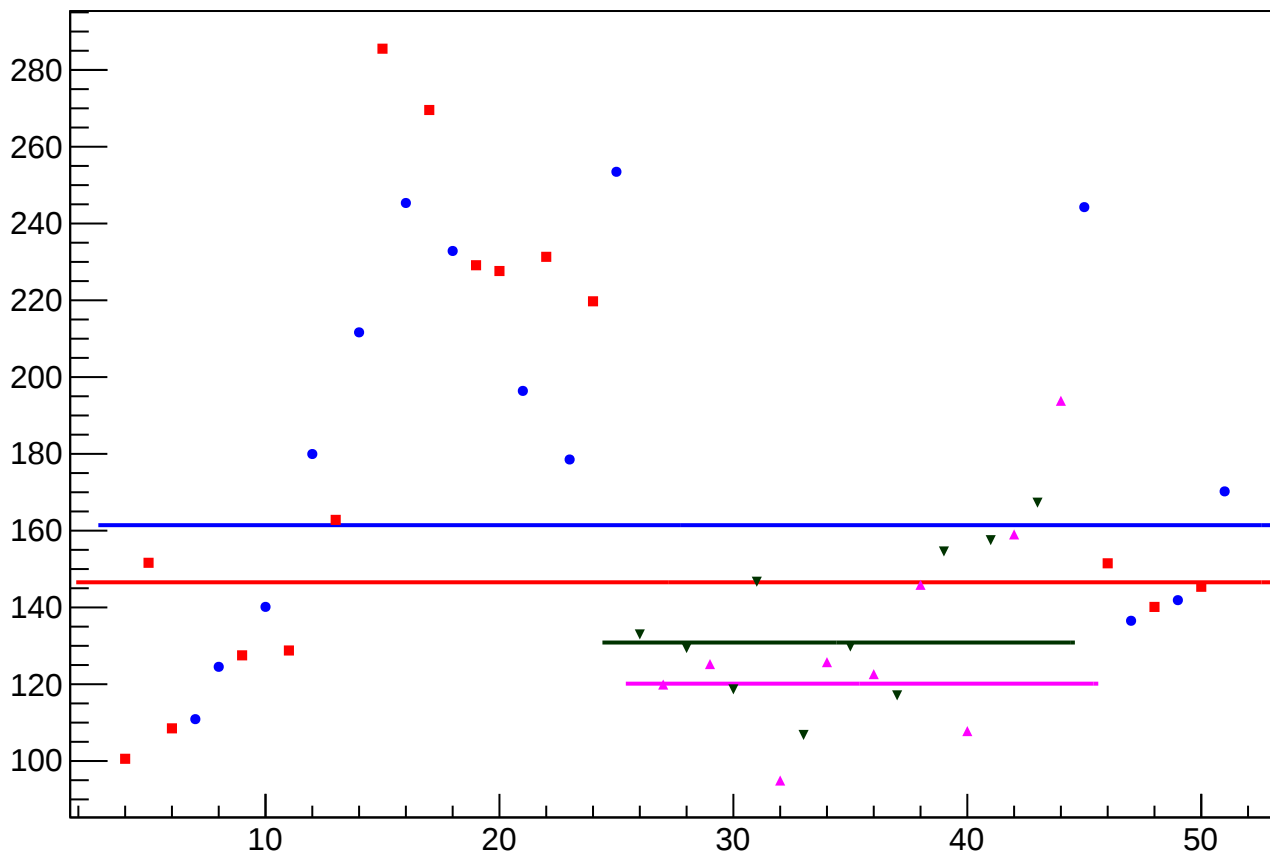
Right Out: 79.457+/-54.963 χ^2/NDF : 4.1/14

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

56.315+/-40.222 χ^2/NDF : 9.1/23

23.234+/-37.777 χ^2/NDF : 6.9/23

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs slug



Right In: 161.428+/-0.040 χ^2/NDF : 1020798.0/13

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

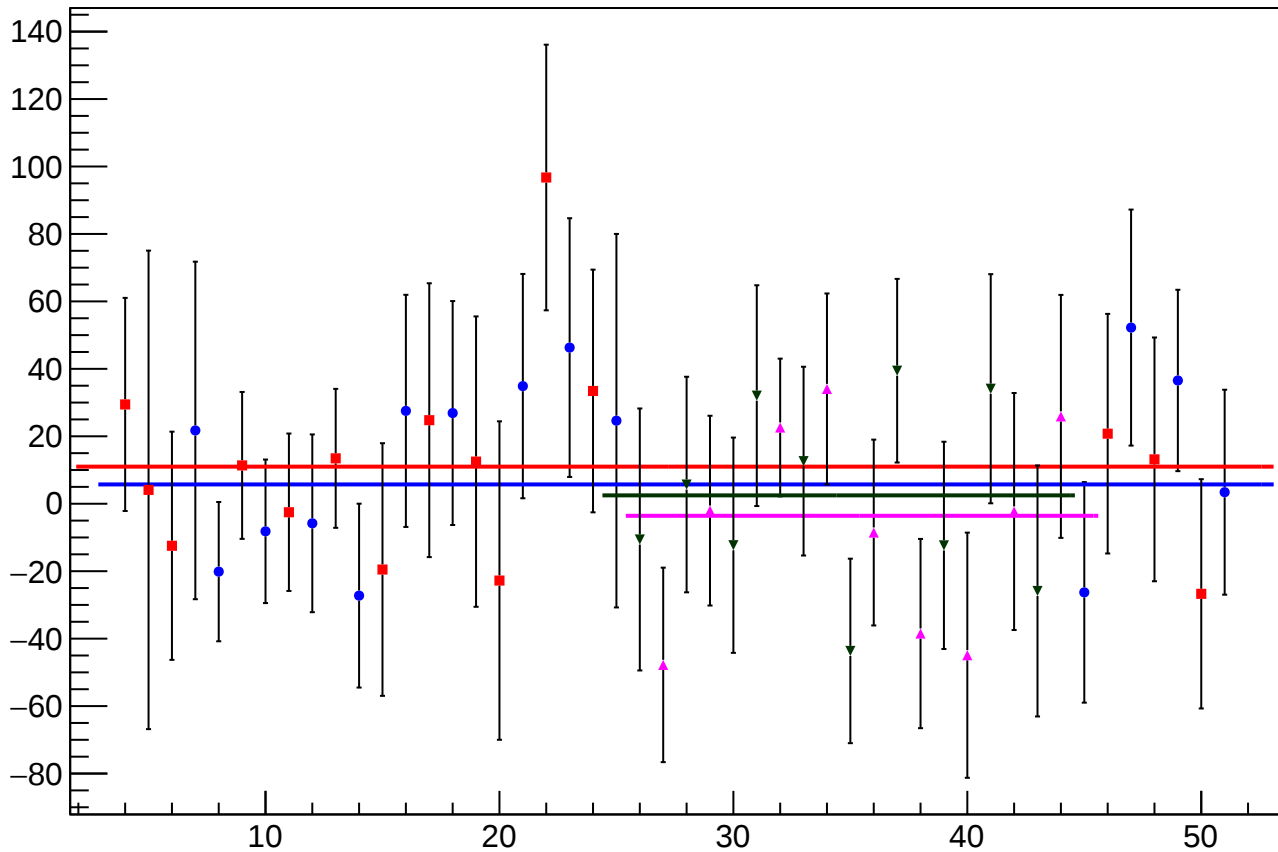
146.372+/-0.028 χ^2/NDF : 1501610.4/23

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: 5.727 ± 8.002 $\chi^2/\text{NDF}: 10.6/13$

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

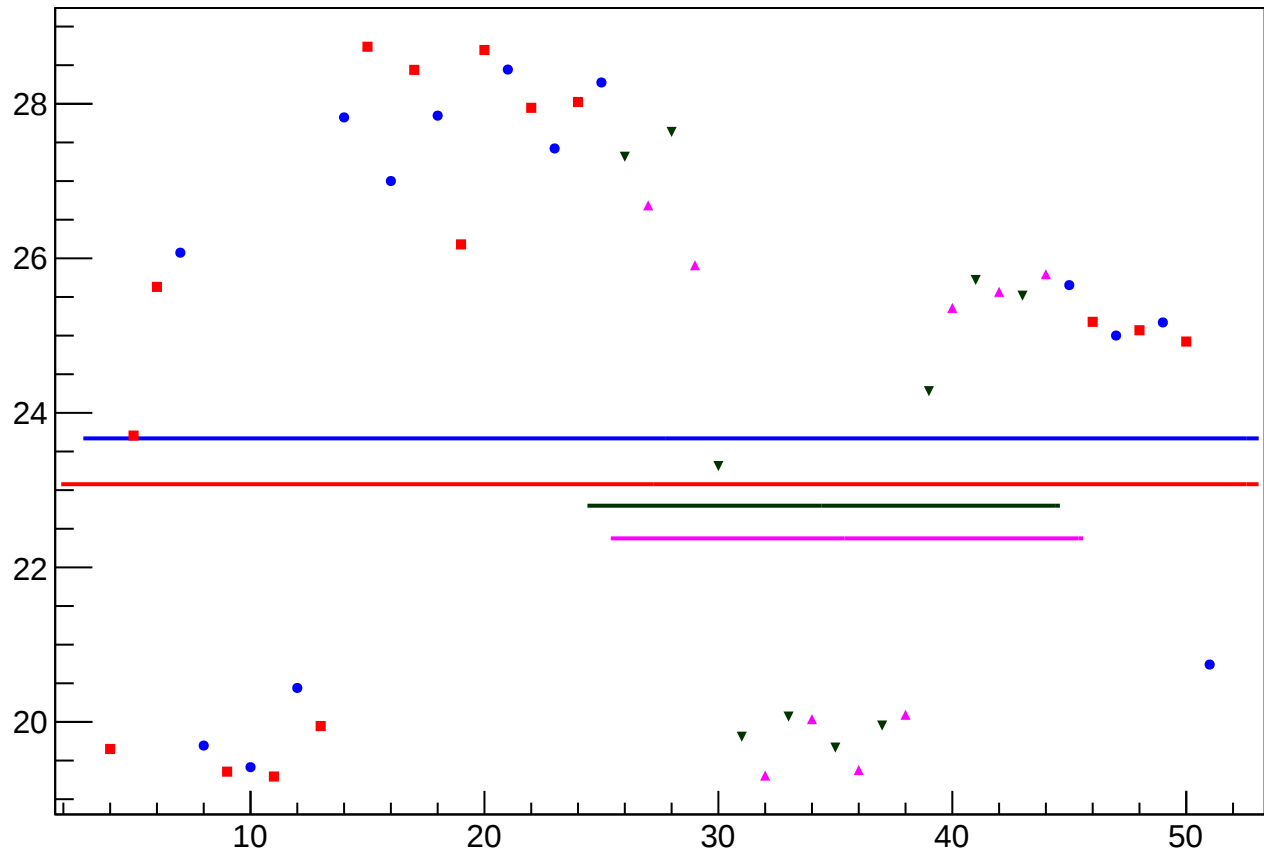
Right Out: 11.000 ± 8.298 $\chi^2/\text{NDF}: 8.9/14$

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

4.447 ± 6.228 $\chi^2/\text{NDF}: 18.3/23$

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: 23.670 $\pm$ 0.006 χ^2/NDF : 394810.5/13

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

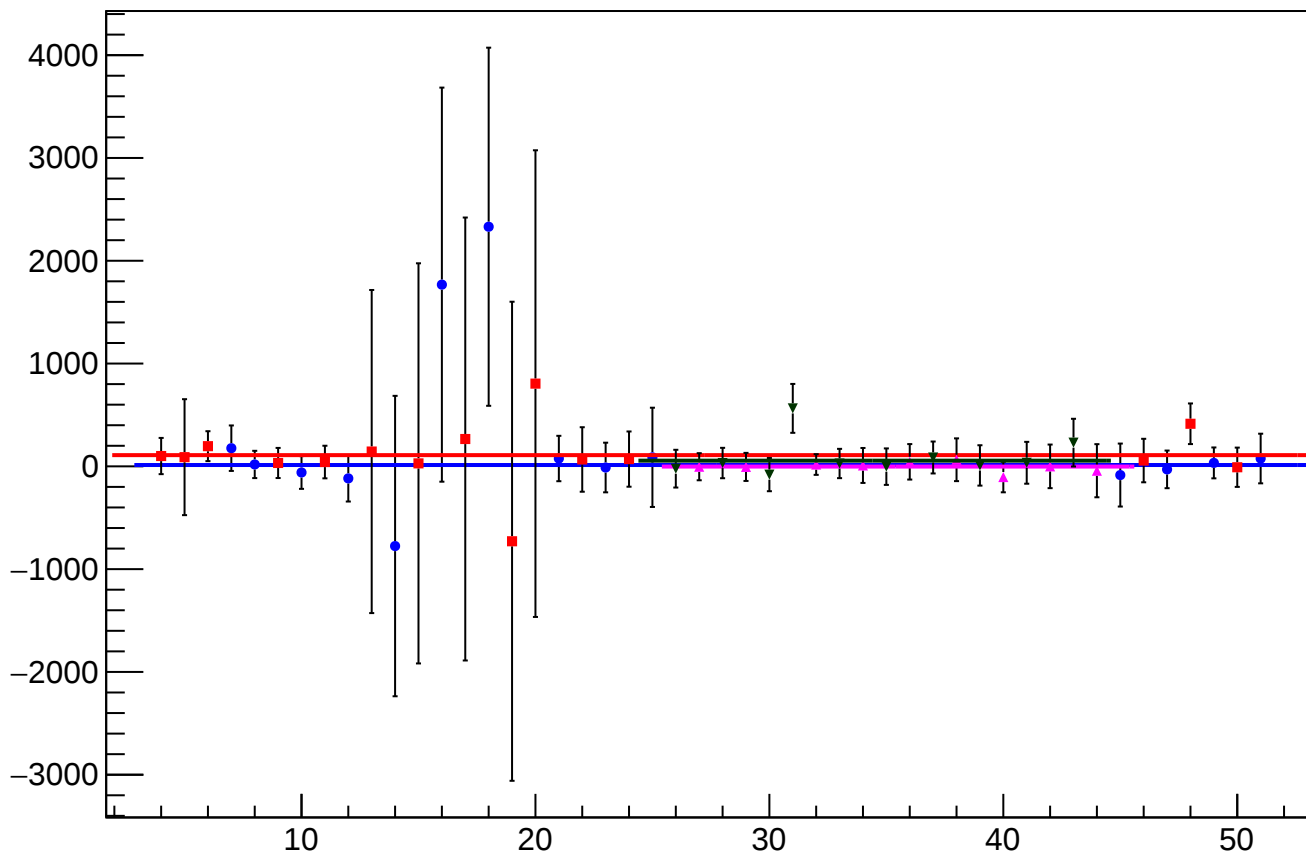
Right Out: 23.077 $\pm$ 0.006 χ^2/NDF : 398854.7/14

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

23.326 $\pm$ 0.004 χ^2/NDF : 591411.2/23

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

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs slug



Right In: 12.924+/-59.620 χ^2/NDF : 4.3/13

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

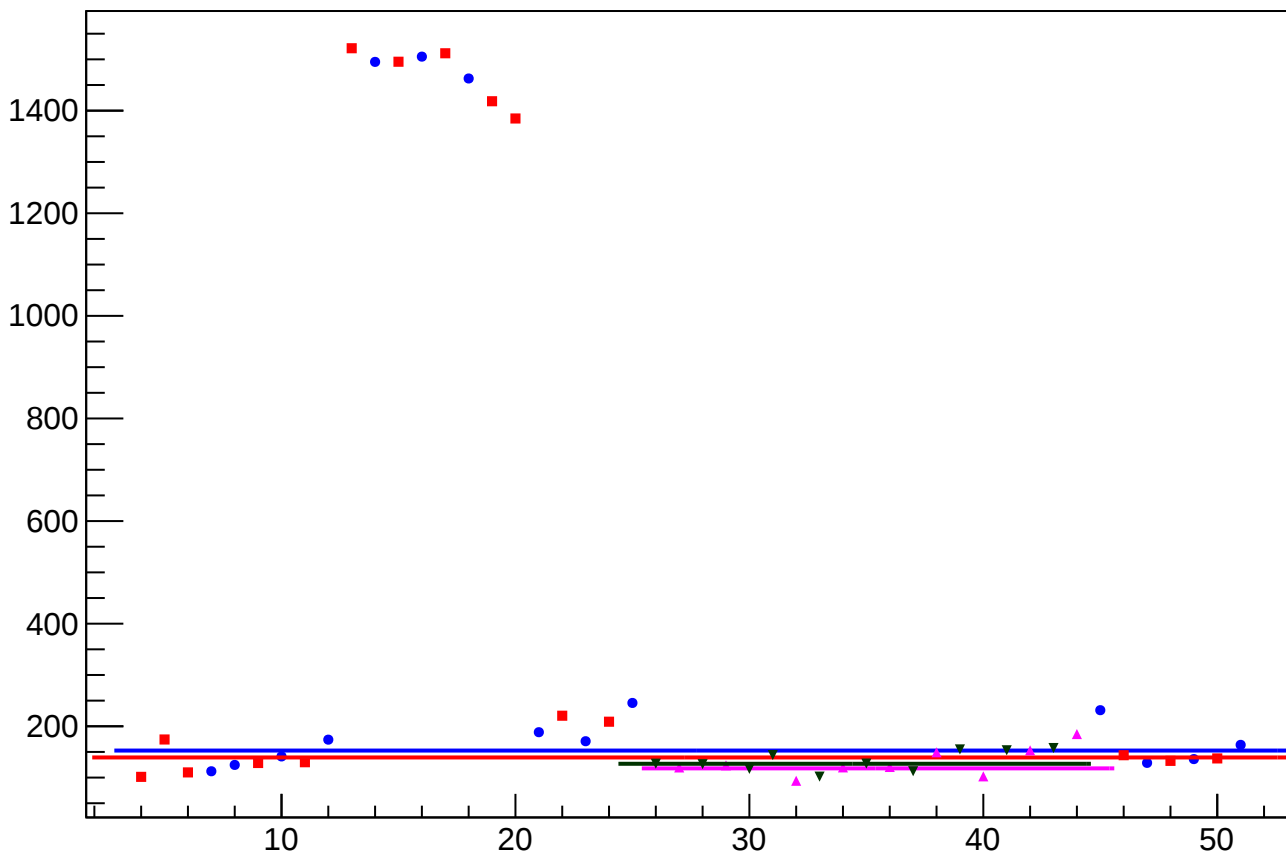
Right Out: 109.058+/-60.908 χ^2/NDF : 3.9/14

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

35.614+/-40.692 χ^2/NDF : 10.9/23

43.679+/-39.117 χ^2/NDF : 6.6/23

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs slug



Right In: 152.682 $\pm$ 0.042 χ^2 /NDF: 4331629.3/13

Left Out: 126.898 $\pm$ 0.039 χ^2 /NDF: 206102.9/9

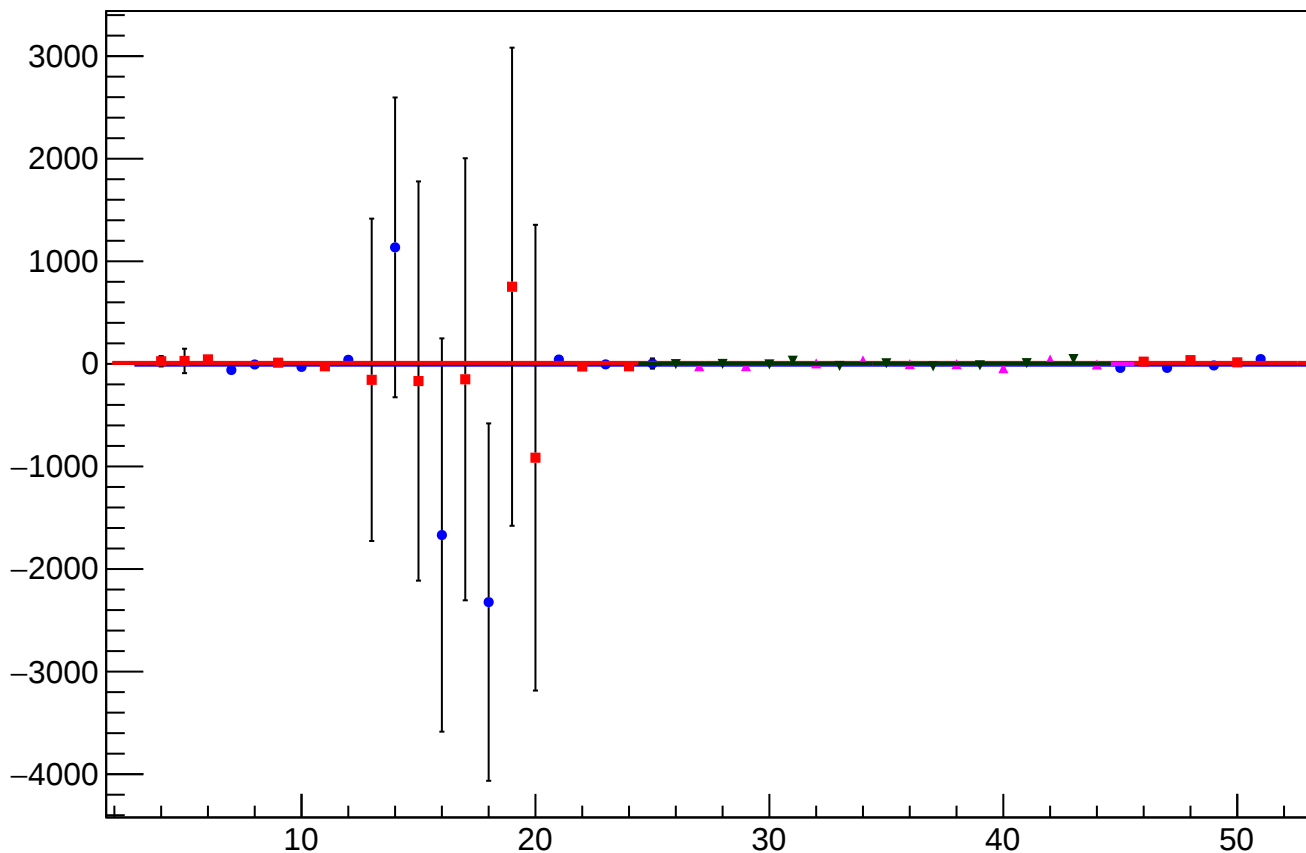
138.910 $\pm$ 0.029 χ^2 /NDF: 4737540.3/23

Right Out: 139.229 $\pm$ 0.043 χ^2 /NDF: 5005218.1/14

126.722 $\pm$ 0.028 χ^2 /NDF: 5525710.6/23

Left In: 117.943 $\pm$ 0.036 χ^2 /NDF: 376971.8/8

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs slug



Right In: -7.838+/-9.000 χ^2/NDF : 15.3/13

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

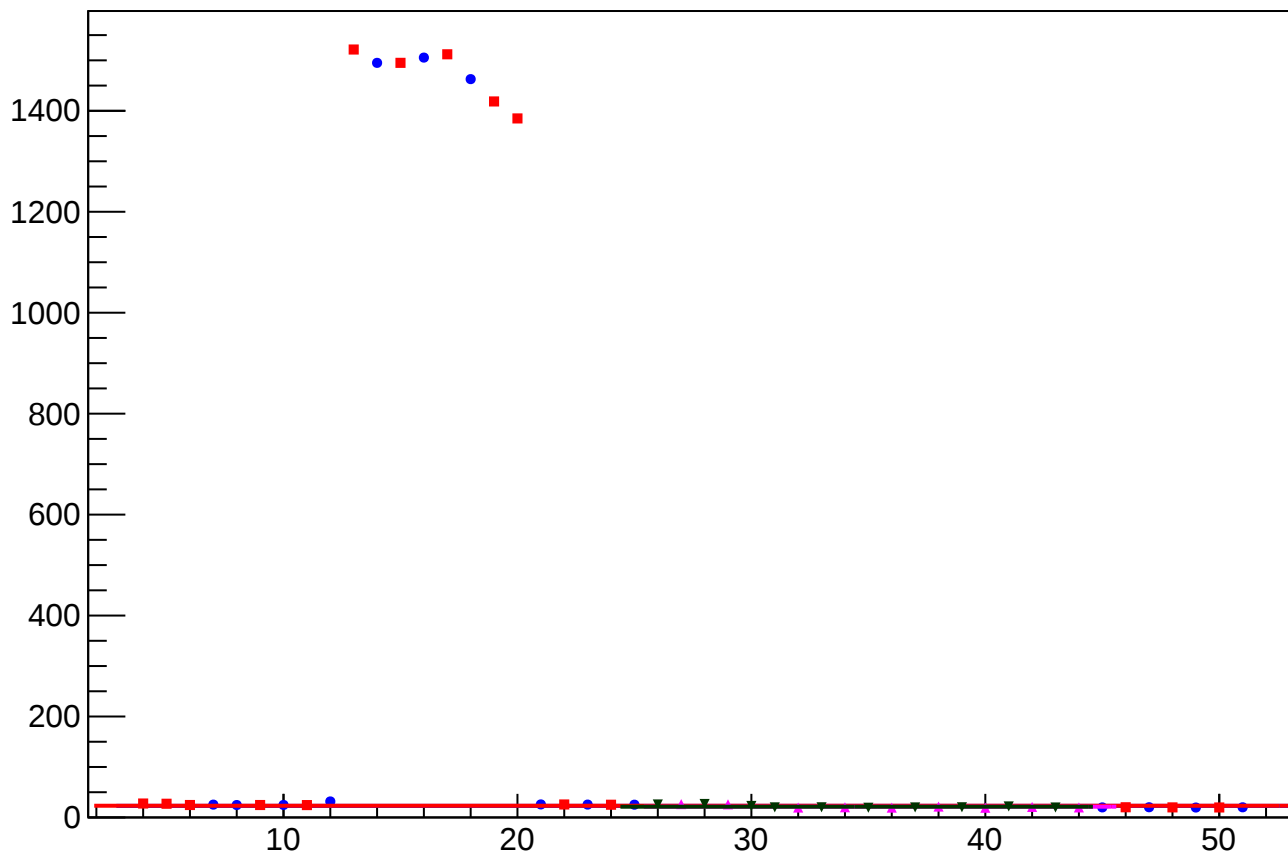
Right Out: 9.702+/-10.340 χ^2/NDF : 5.9/14

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

-3.460+/-6.452 χ^2/NDF : 21.1/23

3.292+/-6.808 χ^2/NDF : 13.8/23

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs slug



Right In: 22.944+/-0.006 χ^2/NDF : 4849299.6/13

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

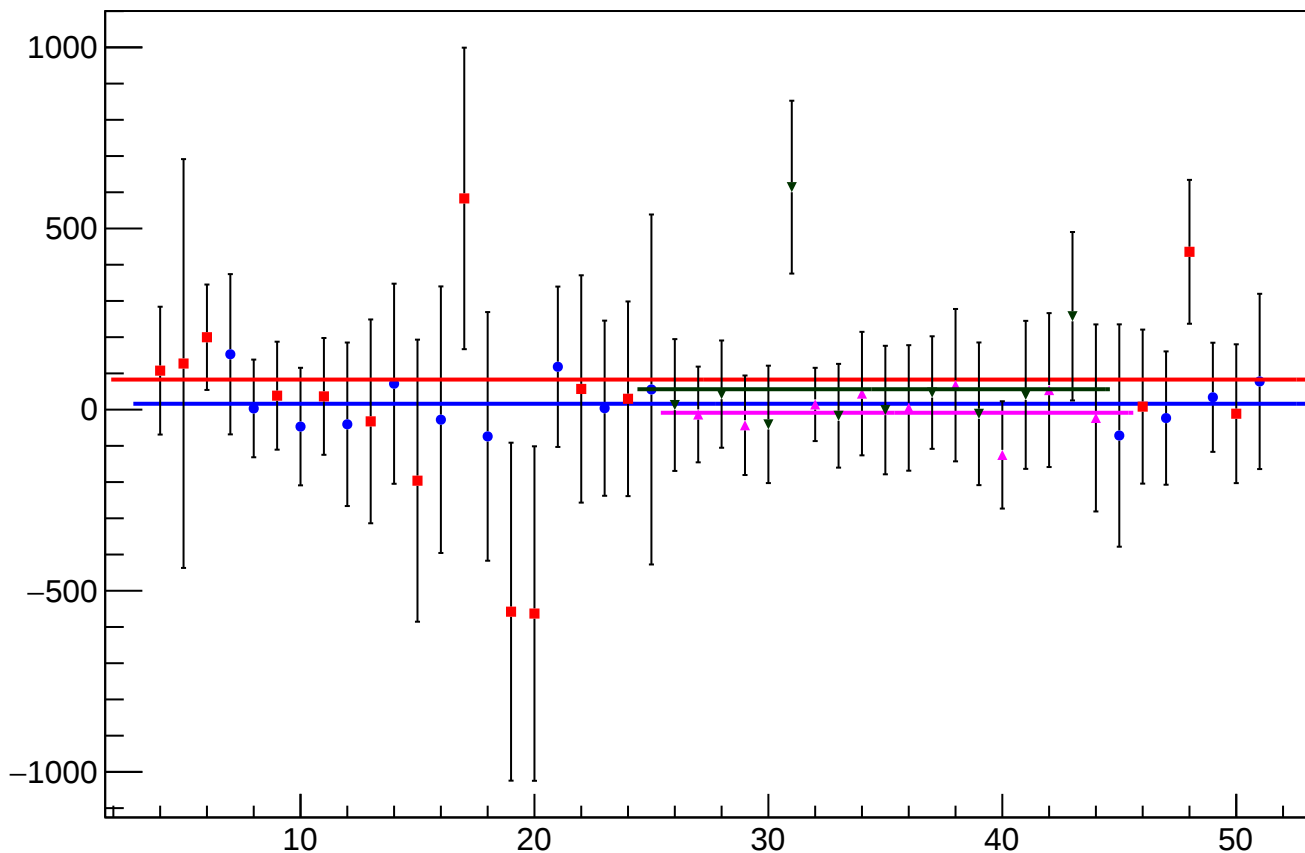
Right Out: 23.215+/-0.007 χ^2/NDF : 5480959.0/14

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

22.143+/-0.005 χ^2/NDF : 5010922.7/23

22.134+/-0.005 χ^2/NDF : 5679418.5/23

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs slug



Right In: 16.193+/-57.241 χ^2/NDF : 1.2/13

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

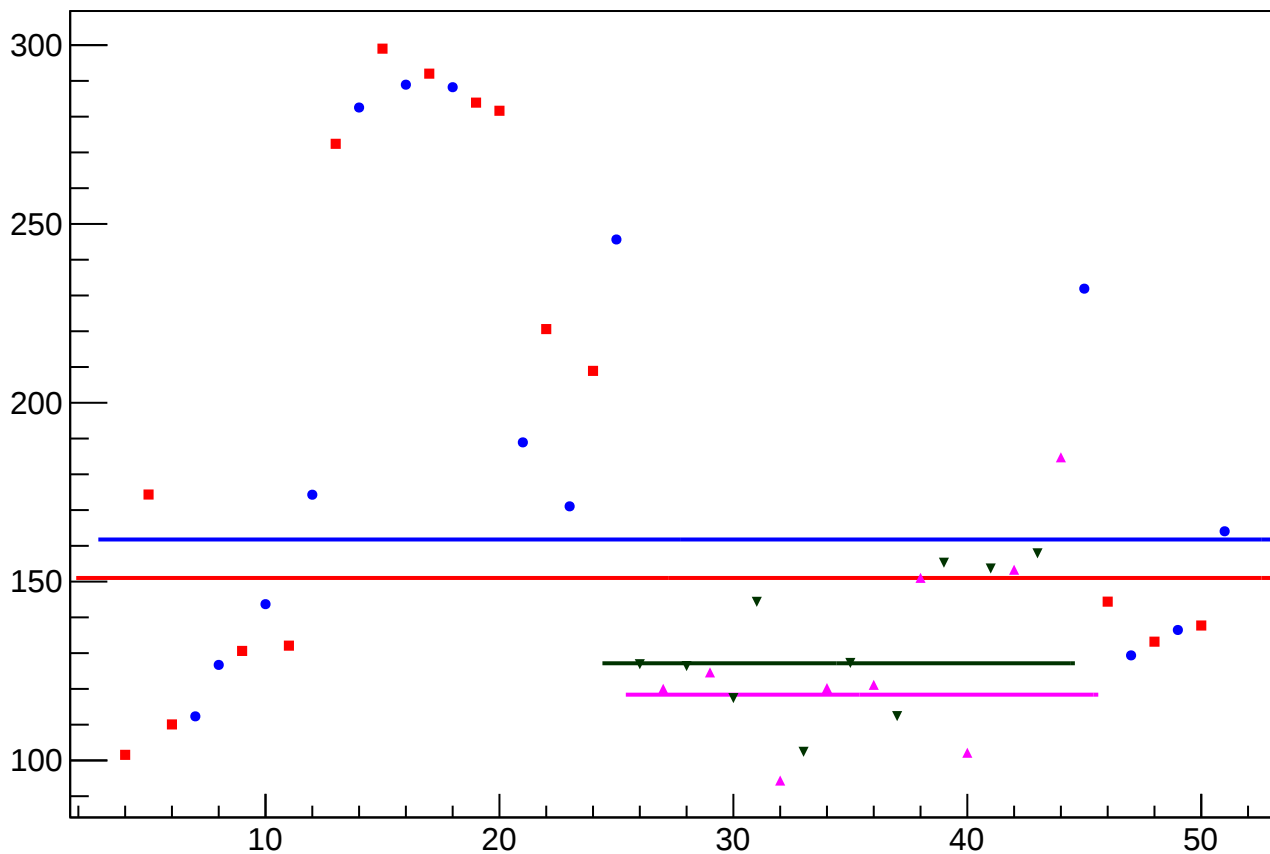
Right Out: 82.980+/-57.828 χ^2/NDF : 10.4/14

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

36.779+/-39.939 χ^2/NDF : 8.5/23

31.628+/-38.341 χ^2/NDF : 12.8/23

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs slug



Right In: 161.773+/-0.040 χ^2/NDF : 1475617.5/13

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

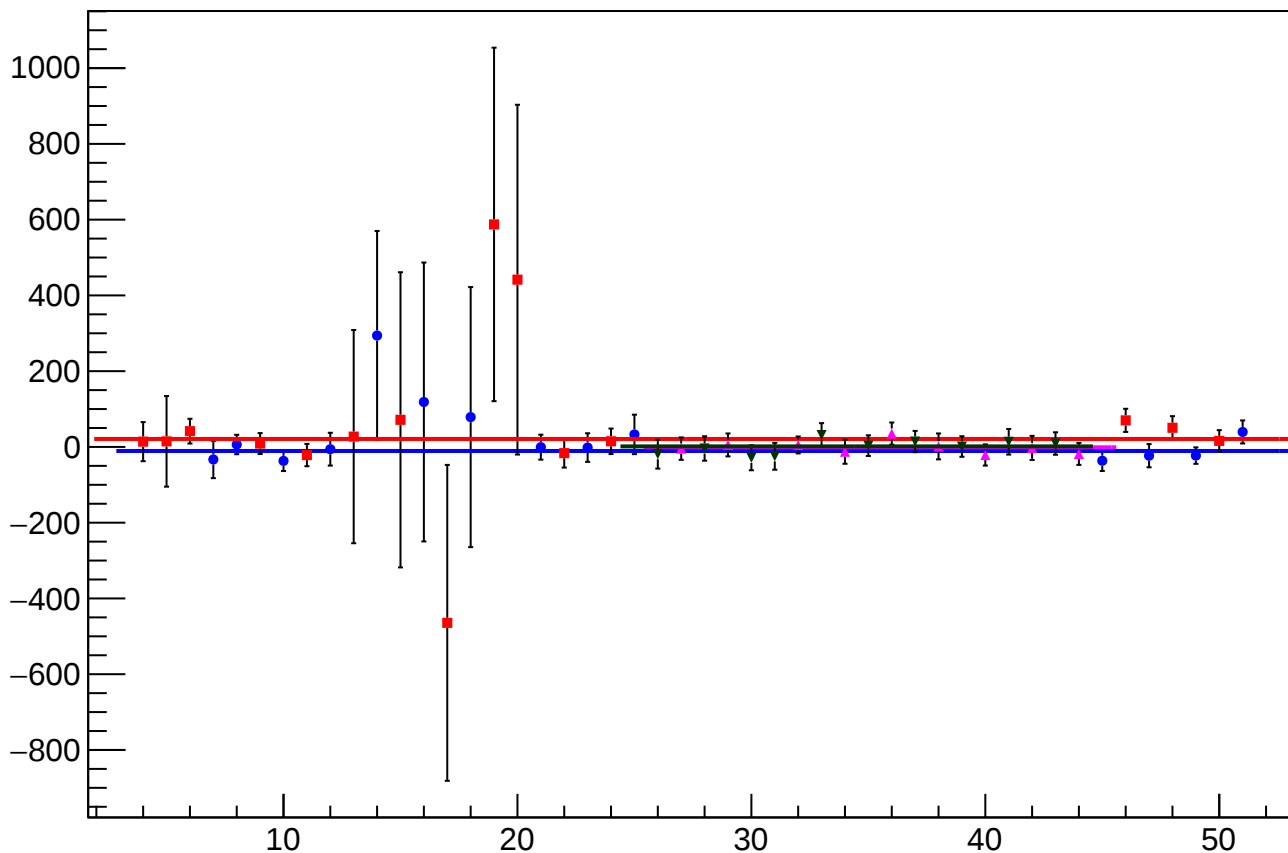
144.013+/-0.028 χ^2/NDF : 2055671.8/23

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

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

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

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs slug



Right In: -10.686 $\pm$ 9.319 χ^2 /NDF: 8.0/13

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

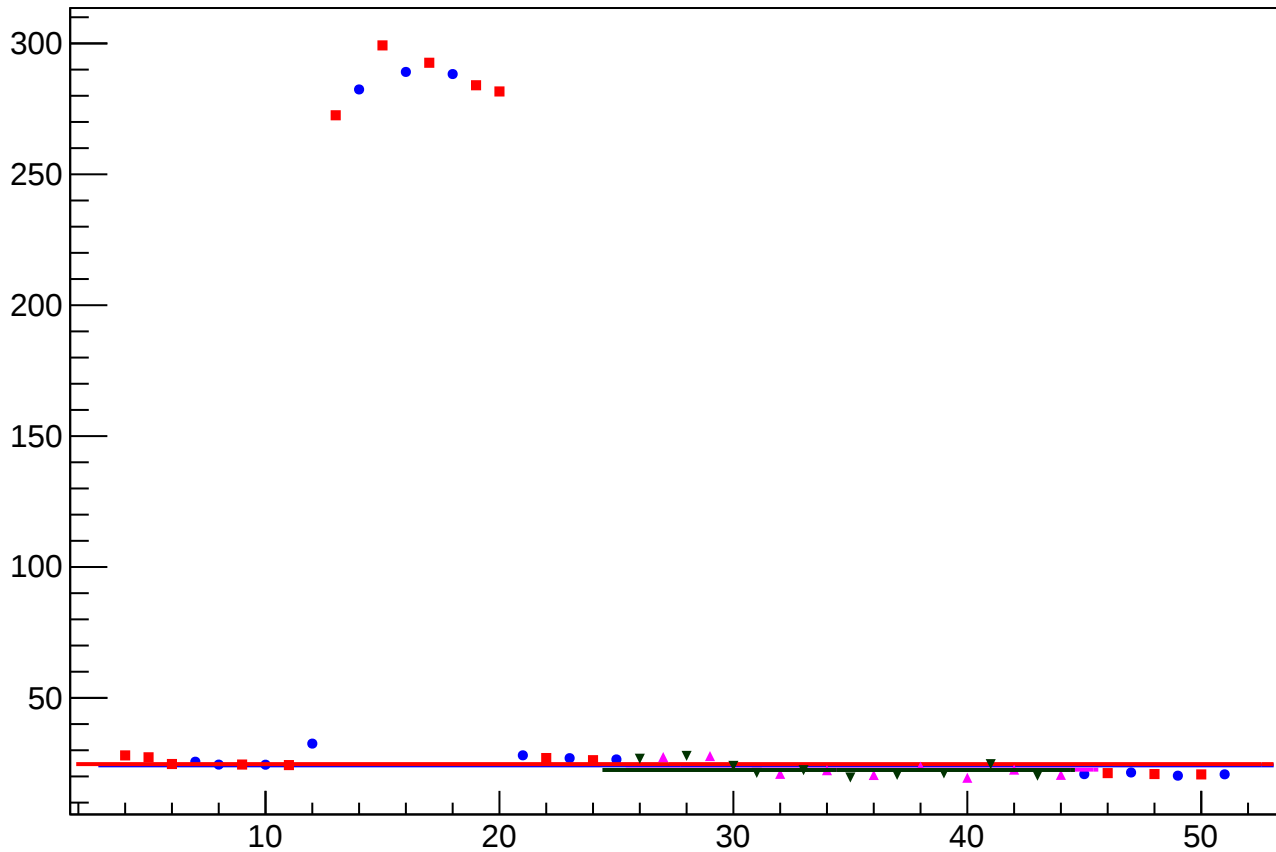
Right Out: 21.006 $\pm$ 10.643 χ^2 /NDF: 10.9/14

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

-4.951 $\pm$ 6.761 χ^2 /NDF: 11.8/23

8.932 $\pm$ 7.156 χ^2 /NDF: 15.9/23

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs slug



Right In: 24.241+/-0.007 χ^2/NDF : 4223477.9/13

Left Out: 22.469+/-0.007 χ^2/NDF : 142902.0/9

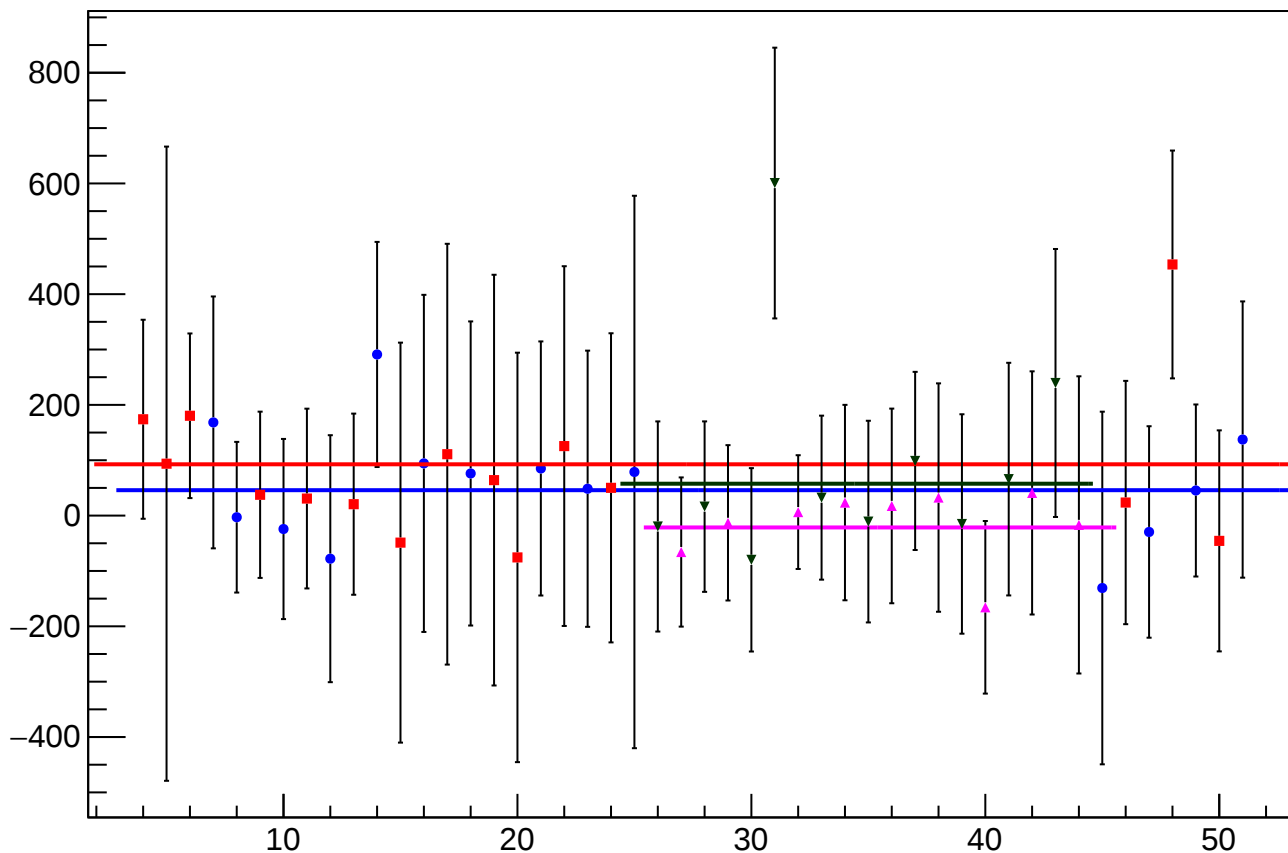
Right Out: 24.710+/-0.008 χ^2/NDF : 4721717.6/14

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

23.402+/-0.005 χ^2/NDF : 4400647.6/23

23.554+/-0.005 χ^2/NDF : 4932915.3/23

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs slug



Right In: 45.899+/-56.503 χ^2/NDF : 3.0/13

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

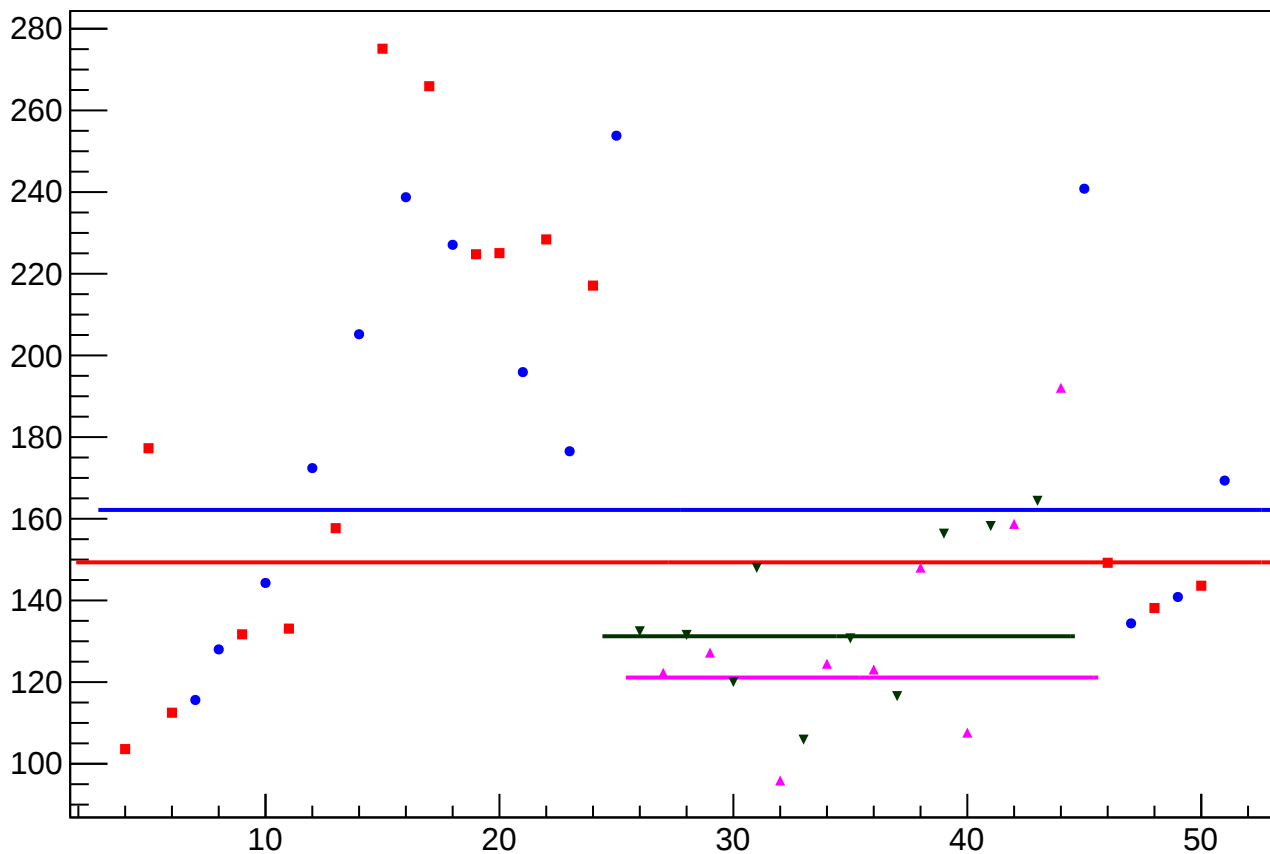
Right Out: 92.663+/-55.924 χ^2/NDF : 5.1/14

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

51.646+/-40.296 χ^2/NDF : 9.9/23

31.908+/-38.235 χ^2/NDF : 8.6/23

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs slug



Right In: 162.165+/-0.040 χ^2/NDF : 886789.9/13

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

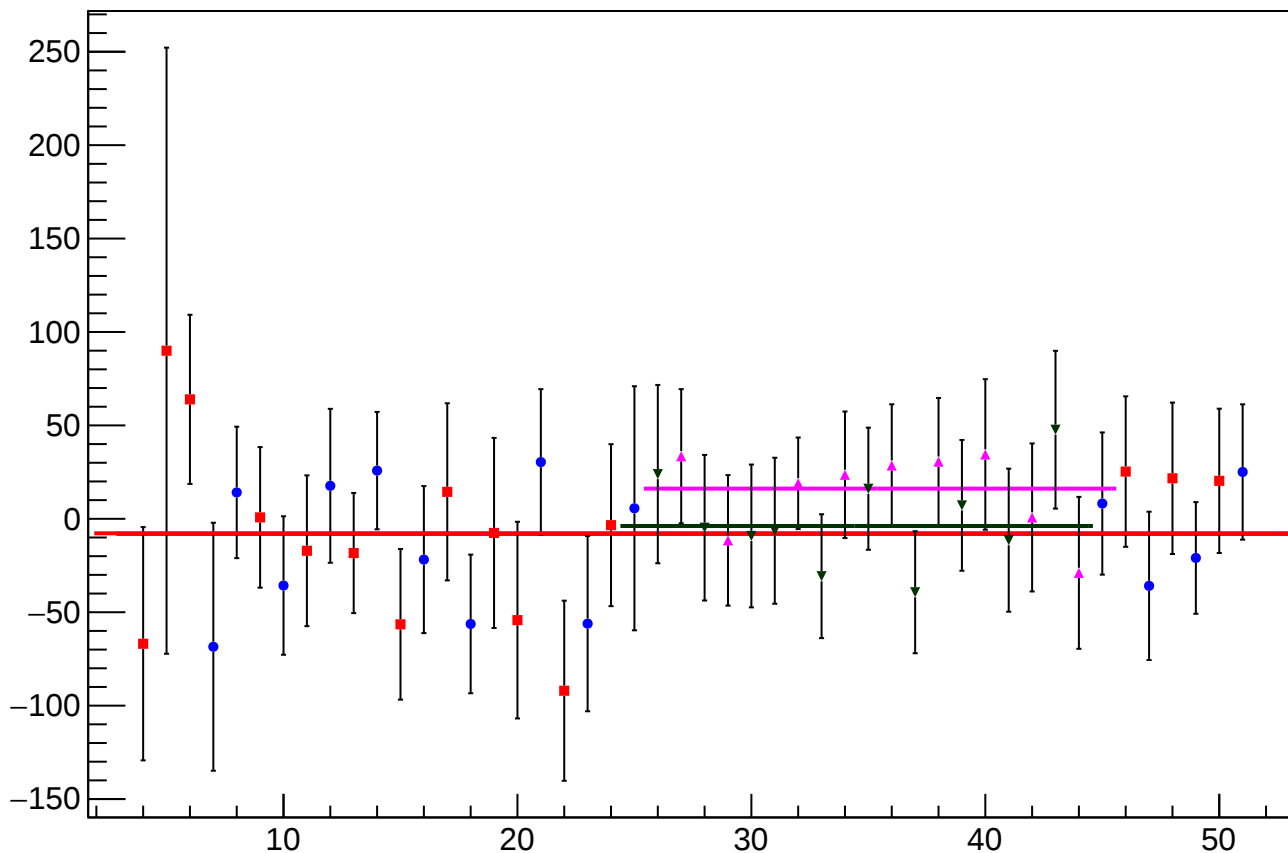
146.962+/-0.028 χ^2/NDF : 1377796.4/23

Right Out: 149.330+/-0.040 χ^2/NDF : 1150753.2/14

134.307+/-0.027 χ^2/NDF : 1794639.4/23

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

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs slug



Right In: -7.995 ± 10.374 $\chi^2/\text{NDF}: 8.9/13$

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

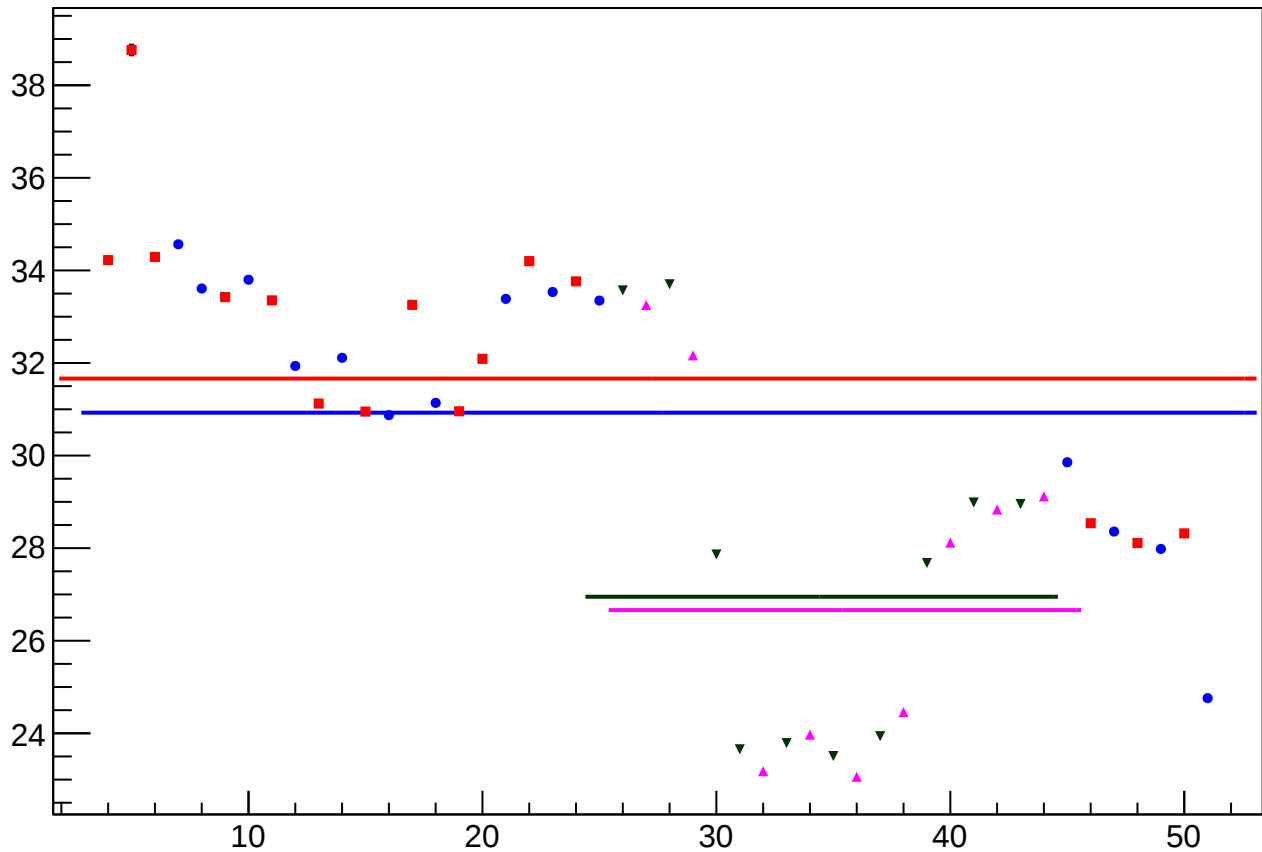
Right Out: -7.759 ± 11.369 $\chi^2/\text{NDF}: 11.2/14$

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

-6.170 ± 7.768 $\chi^2/\text{NDF}: 13.2/23$

4.242 ± 8.027 $\chi^2/\text{NDF}: 16.3/23$

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs slug



Right In: 30.926 $\pm$ 0.007 χ^2/NDF : 138002.5/13

Left Out: 26.950 $\pm$ 0.008 χ^2/NDF :182300.2/9

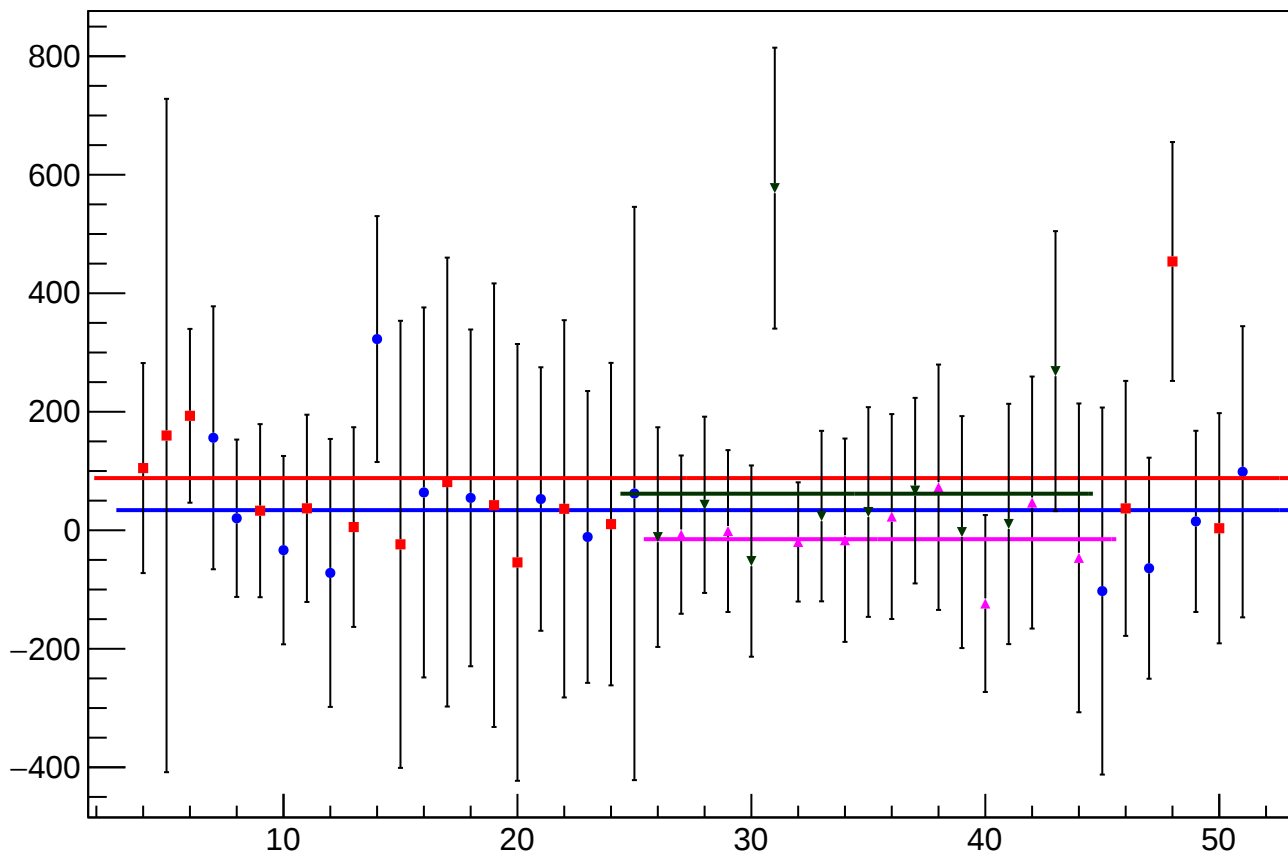
Right Out: 31.663 $\pm$ 0.008 χ^2/NDF : 78405.8/14

Left In: 26.662 $\pm$ 0.008 χ^2/NDF :218434.4/8

29.179 $\pm$ 0.005 χ^2/NDF : 449373.3/23

29.155 $\pm$ 0.006 χ^2/NDF : 490949.4/23

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs slug



Right In: 33.989 $\pm$ 55.770 χ^2 /NDF: 3.3/13

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

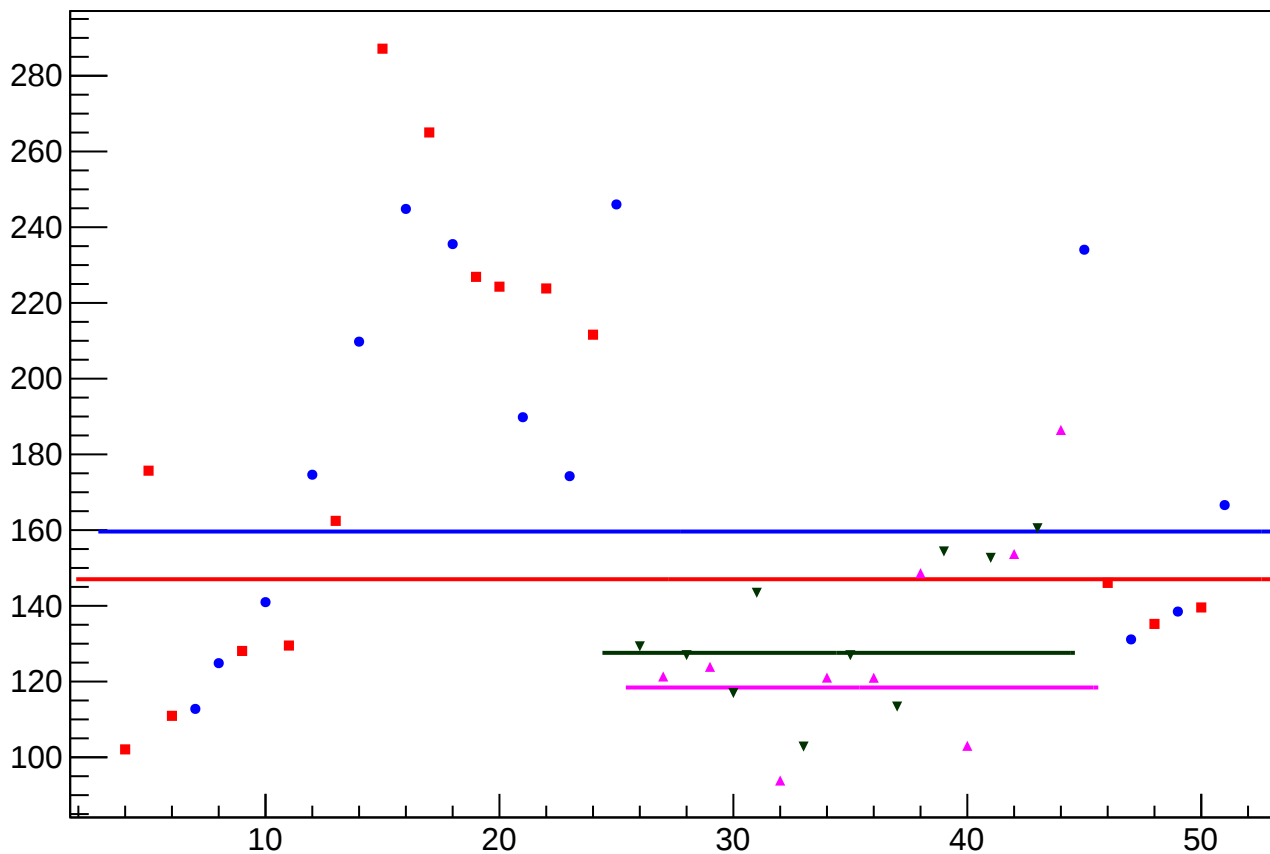
Right Out: 88.070 $\pm$ 55.202 χ^2 /NDF: 4.9/14

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

47.826 $\pm$ 39.486 χ^2 /NDF: 9.8/23

32.687 $\pm$ 37.553 χ^2 /NDF: 7.7/23

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs slug



Right In: 159.627 $\pm$ 0.039 χ^2 /NDF: 980818.7/13

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

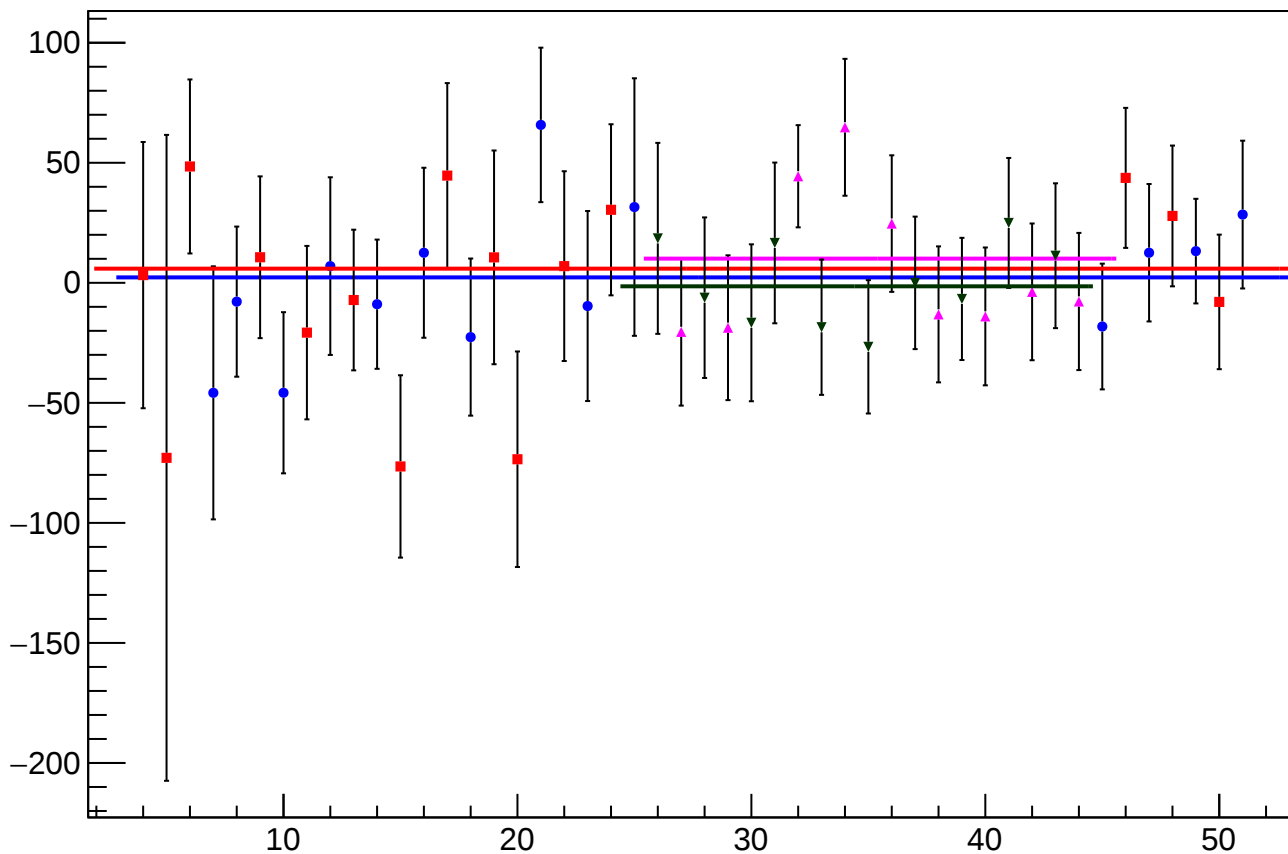
143.647 $\pm$ 0.028 χ^2 /NDF: 1510434.2/23

Right Out: 147.028 $\pm$ 0.039 χ^2 /NDF: 1217515.1/14

131.664 $\pm$ 0.027 χ^2 /NDF: 1885480.1/23

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

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs slug



Right In: 2.259+/-8.480 χ^2/NDF : 9.8/13

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

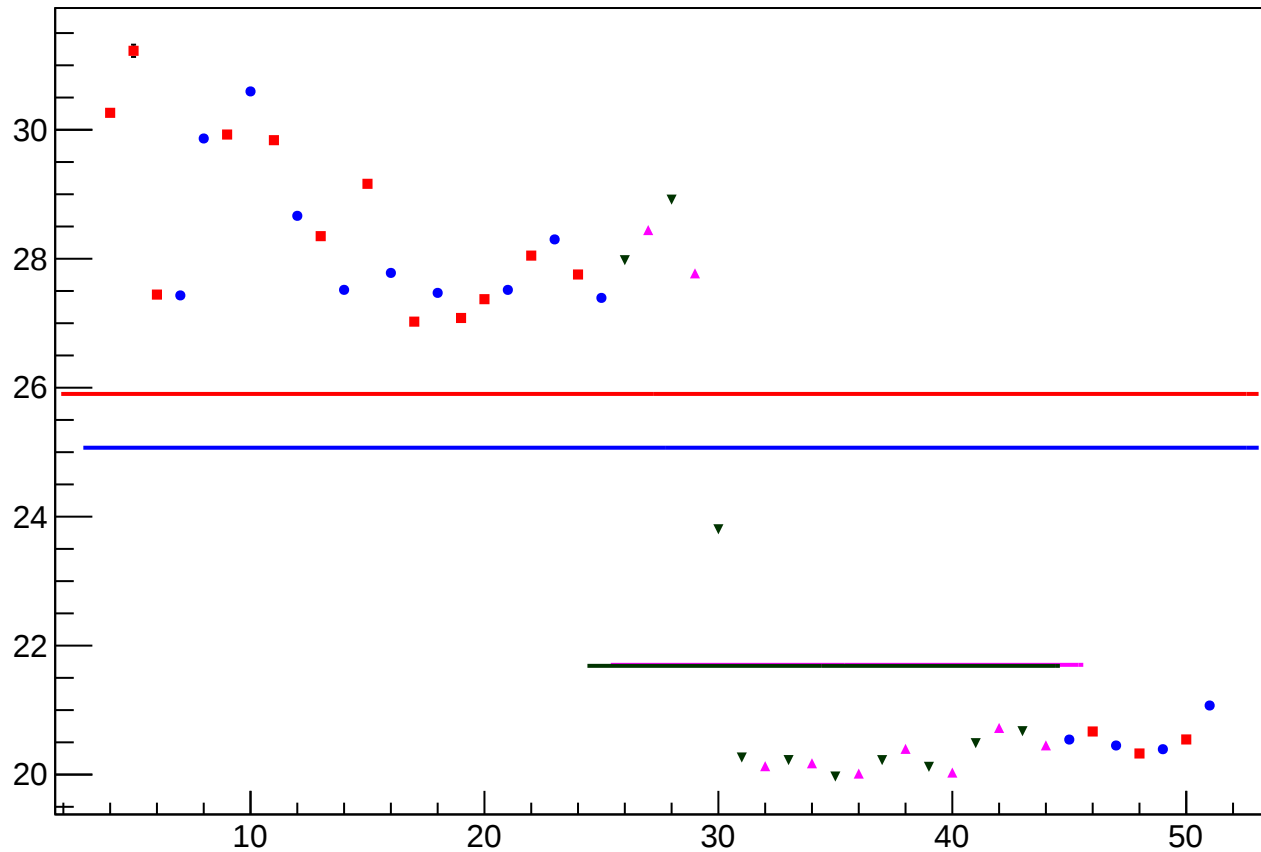
Right Out: 5.902+/-9.381 χ^2/NDF : 14.3/14

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

0.599+/-6.307 χ^2/NDF : 13.1/23

8.026+/-6.577 χ^2/NDF : 24.8/23

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs slug



Right In: 25.069+/-0.006 χ^2/NDF : 429588.1/13

Left Out: 21.686+/-0.007 χ^2/NDF :187956.4/9

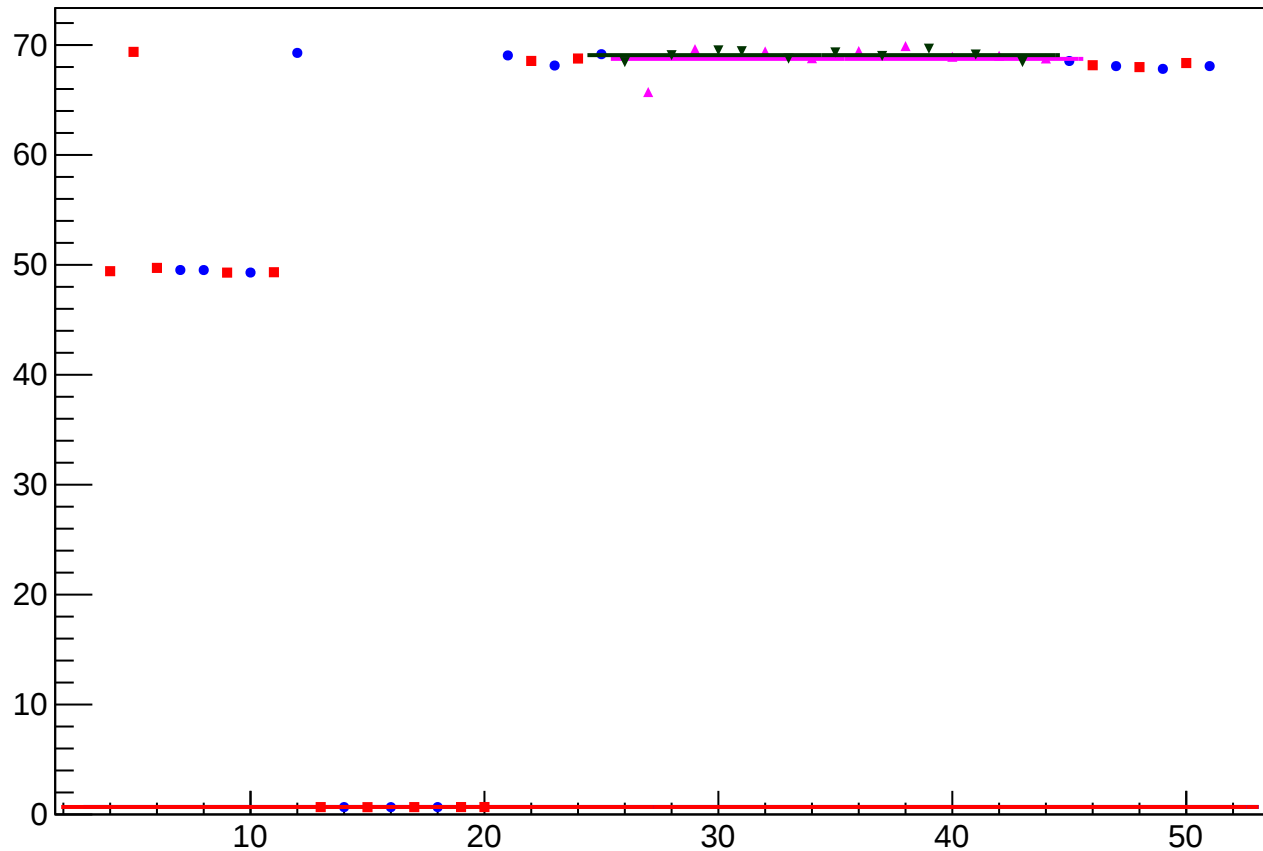
Right Out: 25.903+/-0.007 χ^2/NDF : 326528.6/14

Left In: 21.702+/-0.007 χ^2/NDF :218285.8/8

23.558+/-0.004 χ^2/NDF : 759766.1/23

23.767+/-0.005 χ^2/NDF : 748760.6/23

yield_bcm_an_ds_mean vs slug



Right In: 0.683 ± 0.000 χ^2/NDF : 769081709224.9/13

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

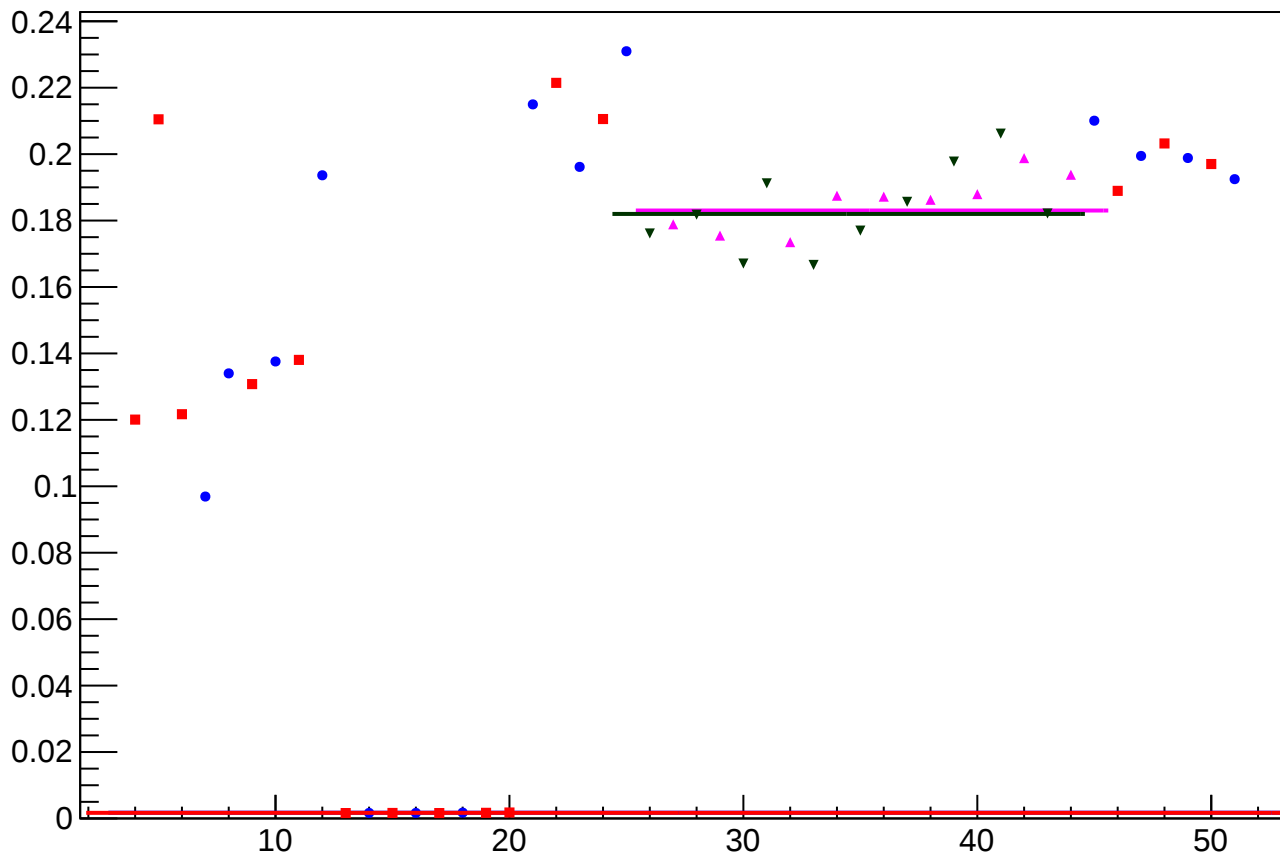
0.696 ± 0.000 χ^2/NDF : 1497967424432.4/23

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 : 12405431.6/13

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

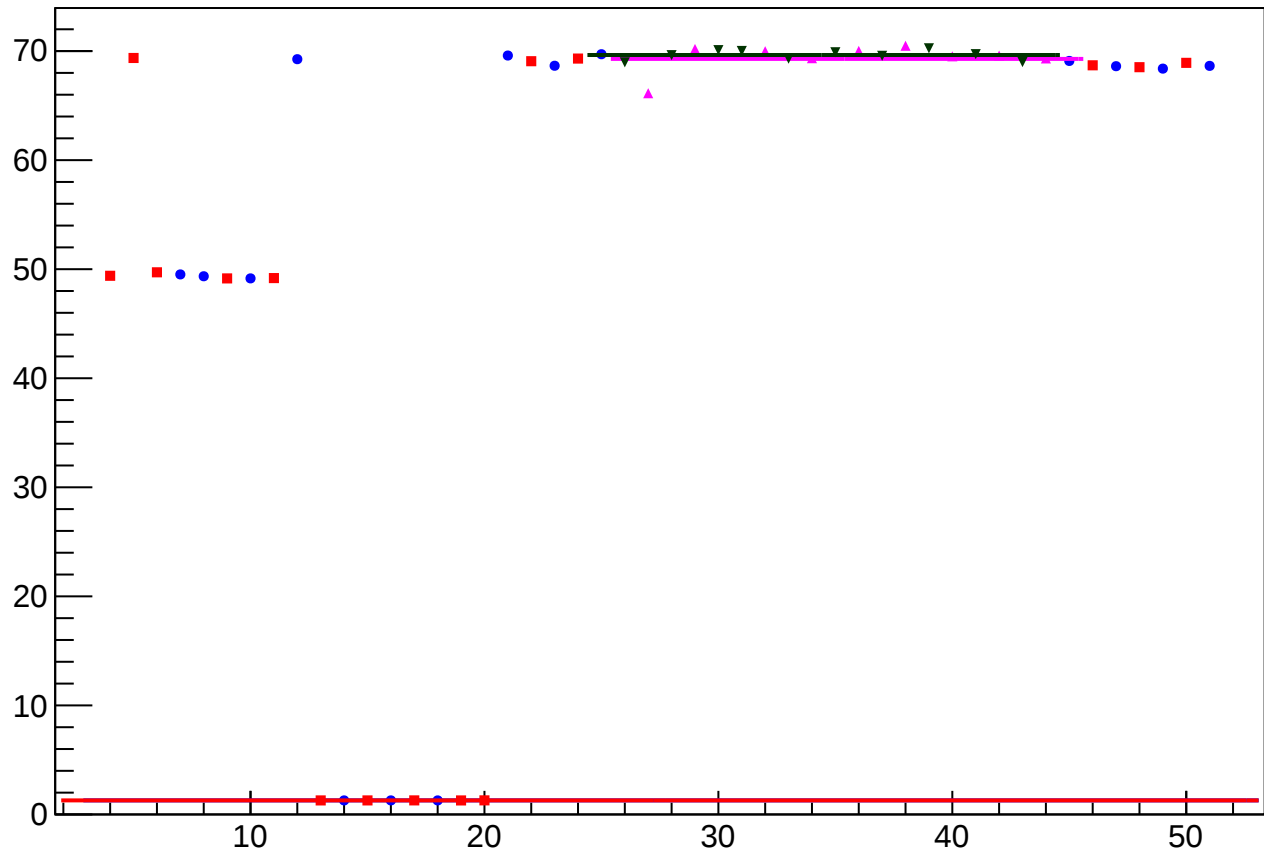
Right Out: 0.002+/-0.000 χ^2/NDF : 9524626.6/14

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

0.002+/-0.000 χ^2/NDF : 22574261.0/23

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 : 754951871621.4/13

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

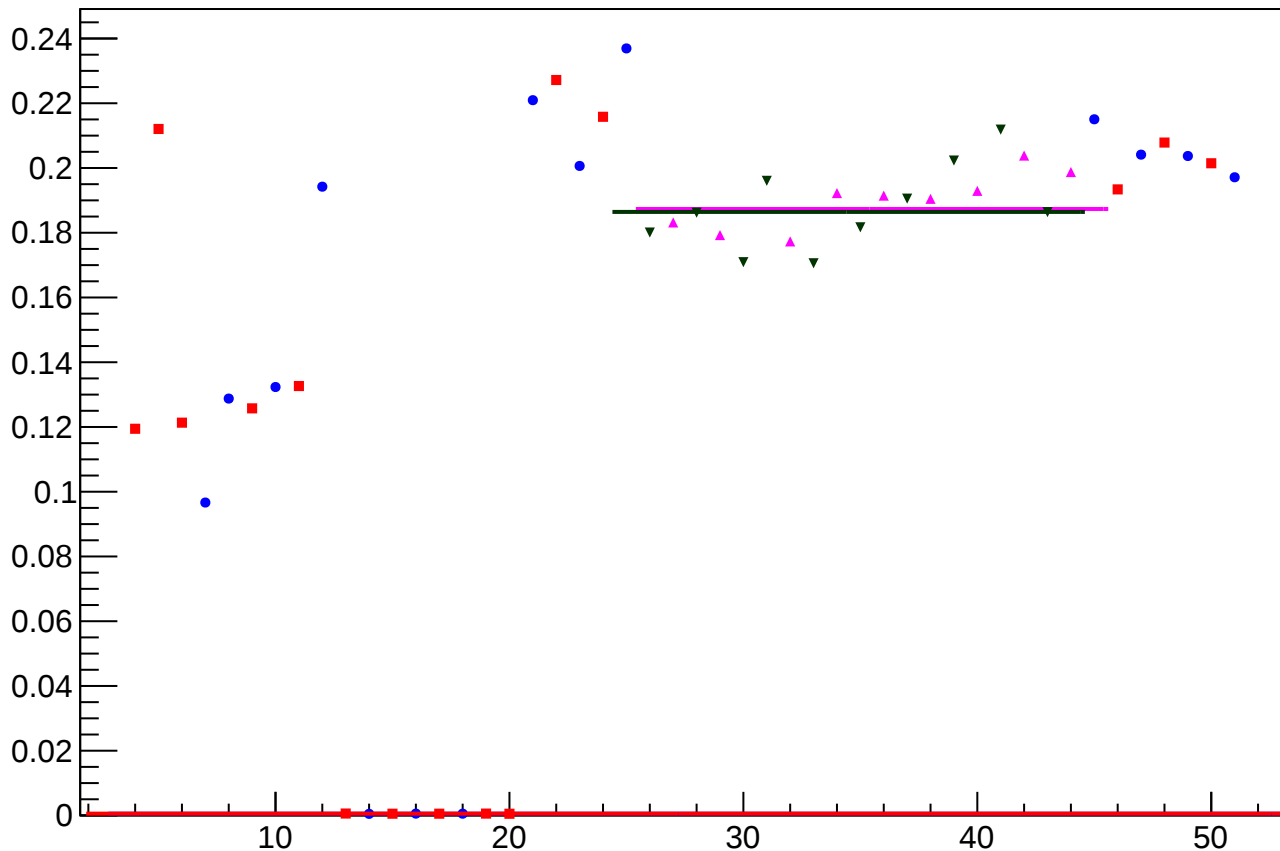
Right Out: 1.290+/-0.000 χ^2/NDF : 603464910335.4/14

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

1.292+/-0.000 χ^2/NDF : 1448516071812.1/23

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 : 12593952.2/13

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

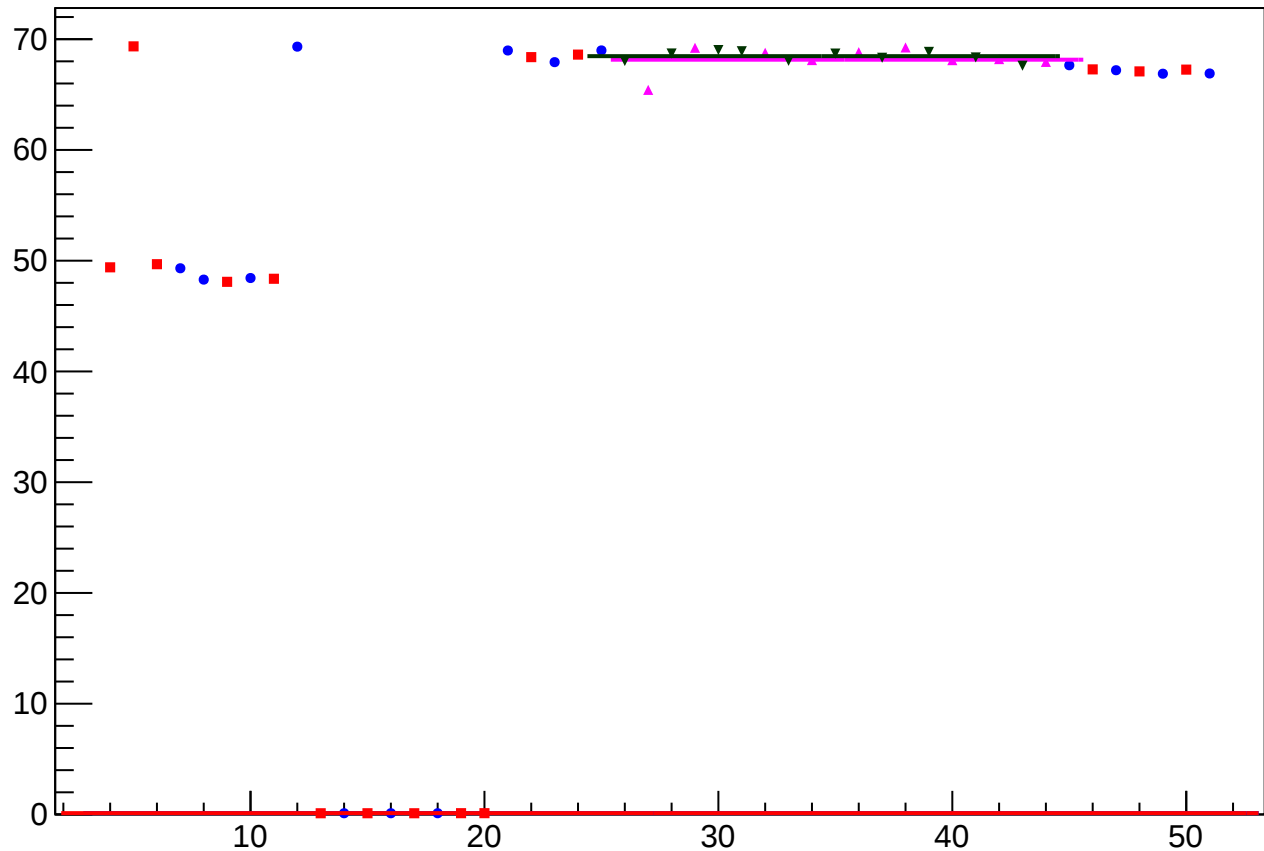
Right Out: 0.001+/-0.000 χ^2/NDF : 9663425.7/14

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

0.001+/-0.000 χ^2/NDF : 22899651.6/23

0.001+/-0.000 χ^2/NDF : 20463983.6/23

yield_bcm_an_us_mean vs slug



Right In: 0.123+/-0.000 χ^2/NDF : 797306953235.7/13

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

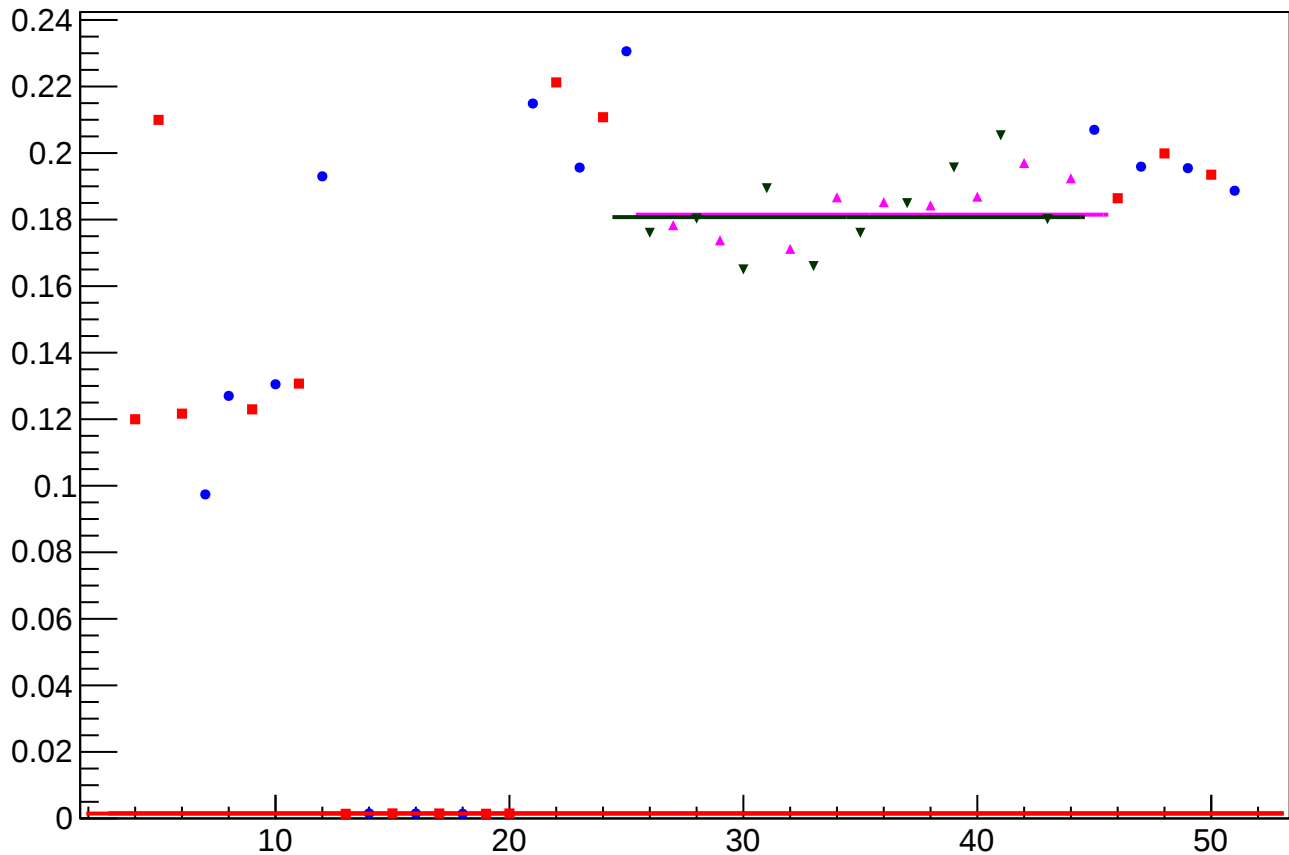
0.133+/-0.000 χ^2/NDF : 1533950147978.8/23

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

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

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

yield_bcm_an_us_rms vs slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 12421592.6/13

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

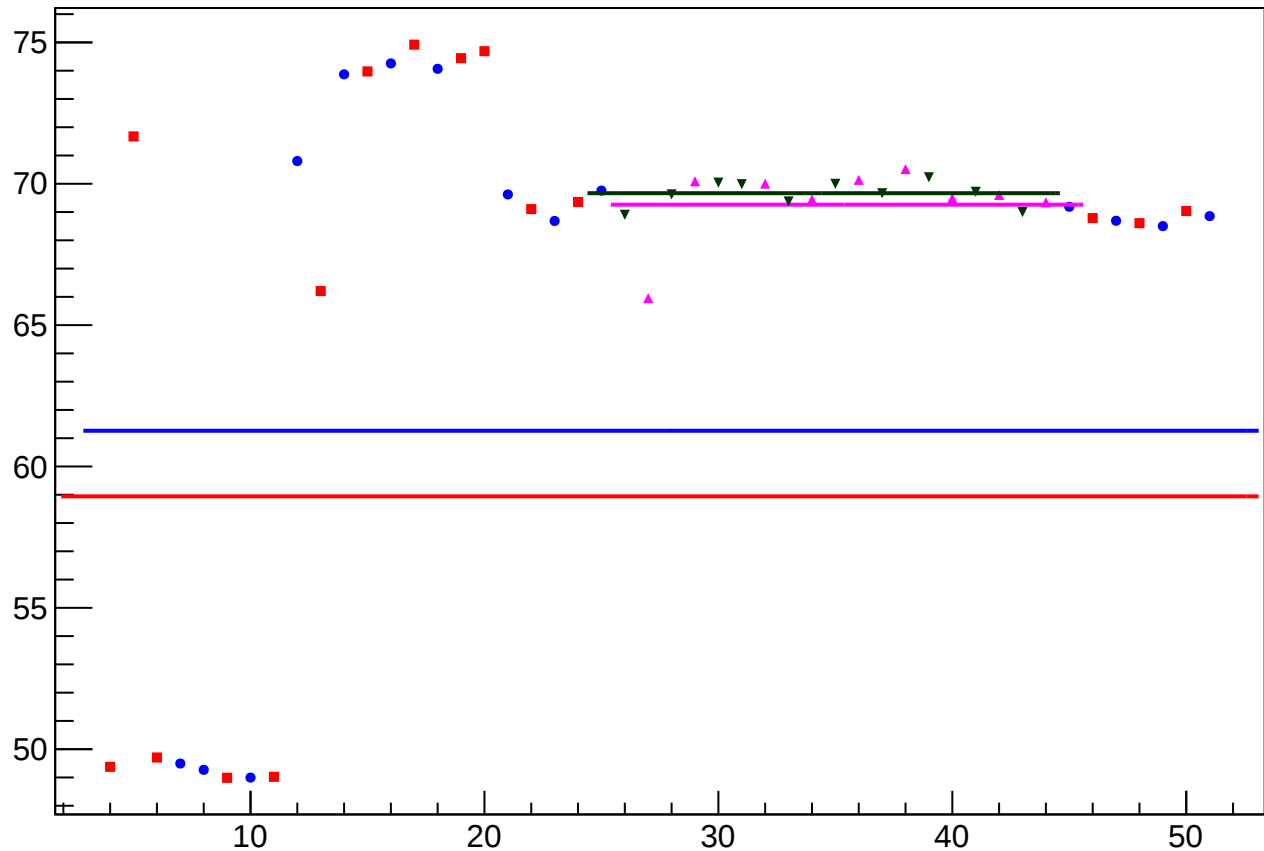
Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 9541824.4/14

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

0.002 $\pm$ 0.000 χ^2 /NDF: 22595626.2/23

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

yield_bcm_dg_us_mean vs slug



Right In: 61.264 $\pm$ 0.000 χ^2/NDF : 30947824176.9/13

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

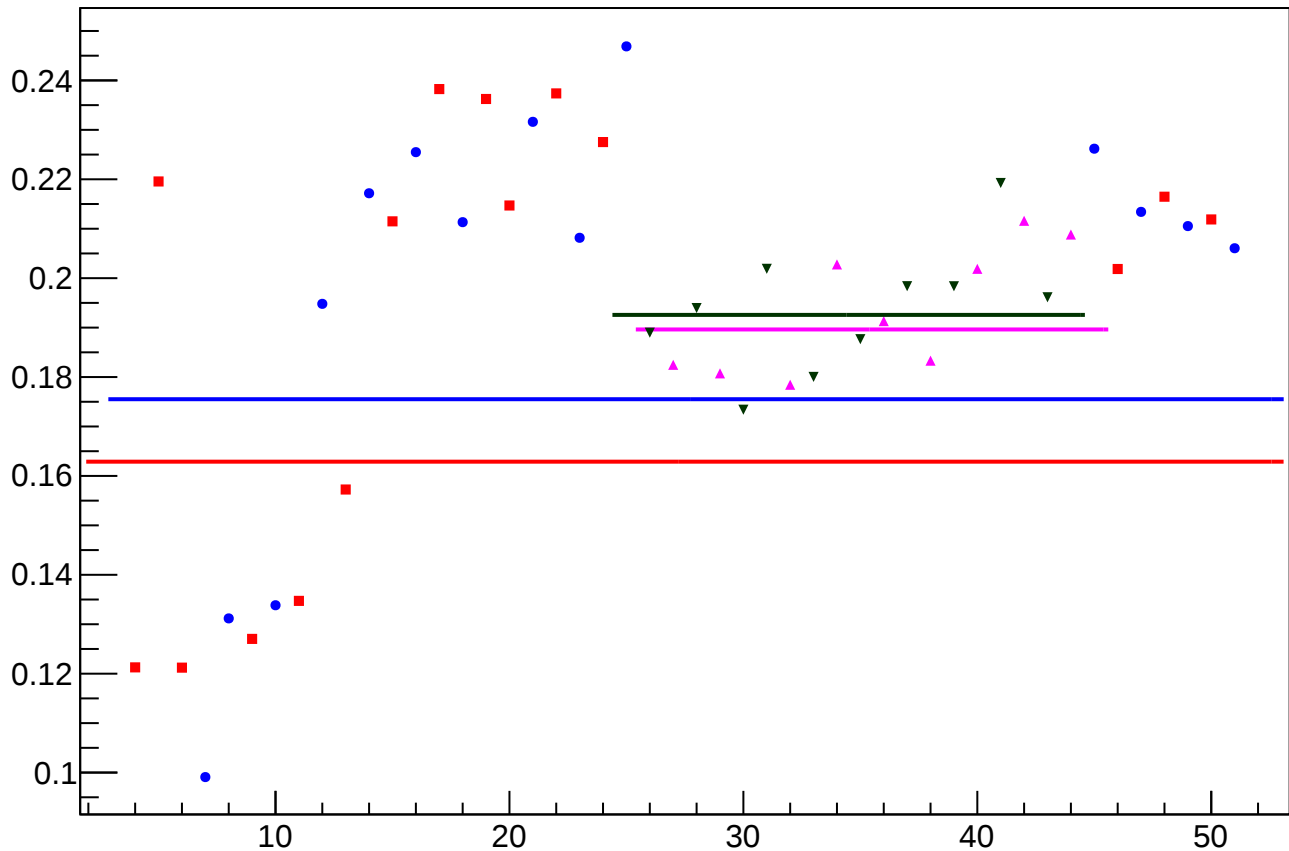
Right Out: 58.943 $\pm$ 0.000 χ^2/NDF : 29057511529.8/14

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

64.184 $\pm$ 0.000 χ^2/NDF : 37389658013.5/23

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

yield_bcm_dg_us_rms vs slug



Right In: 0.176+/-0.000 χ^2/NDF : 1112969.4/13

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

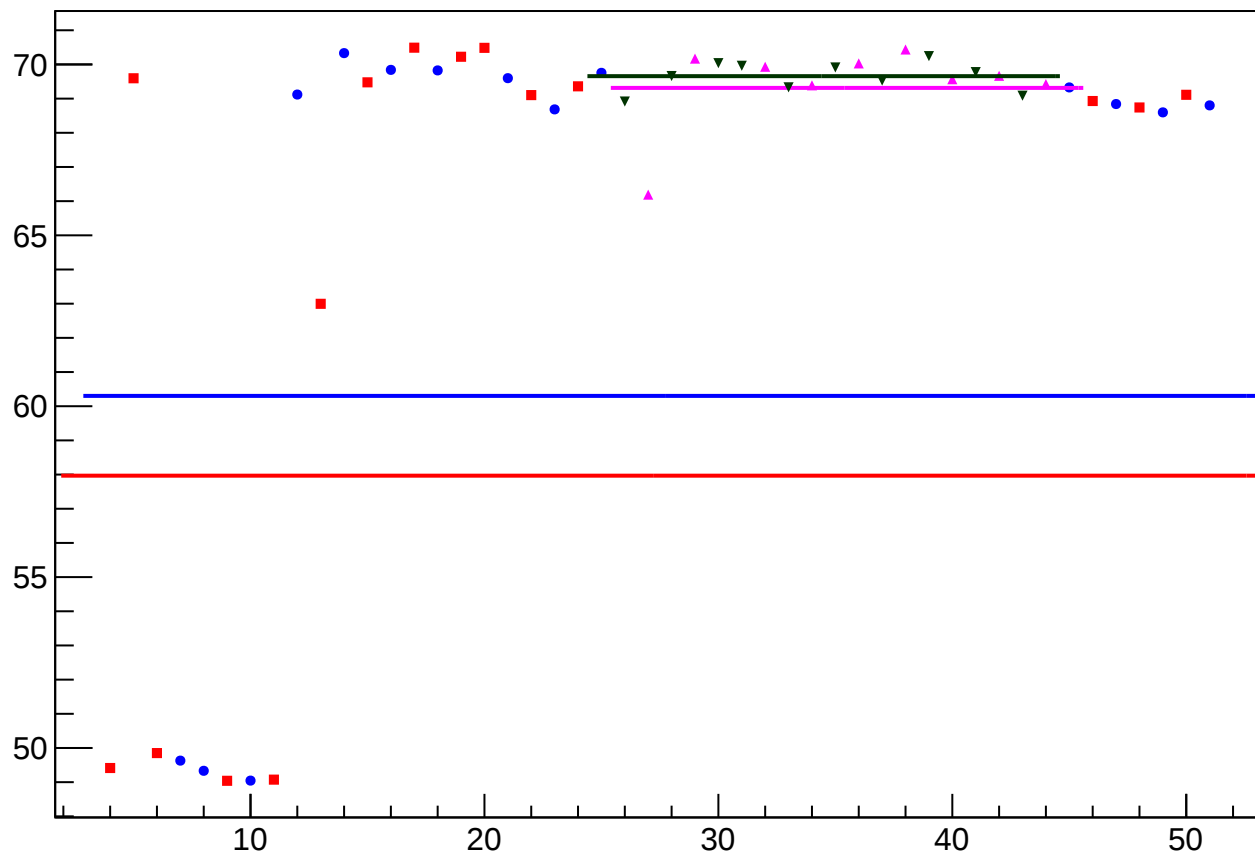
Right Out: 0.163+/-0.000 χ^2/NDF : 998844.1/14

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

0.181+/-0.000 χ^2/NDF : 1204563.3/23

0.173+/-0.000 χ^2/NDF : 1176591.6/23

yield_bcm_dg_ds_mean vs slug



Right In: 60.302+/-0.000 χ^2/NDF : 27390233115.7/13

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

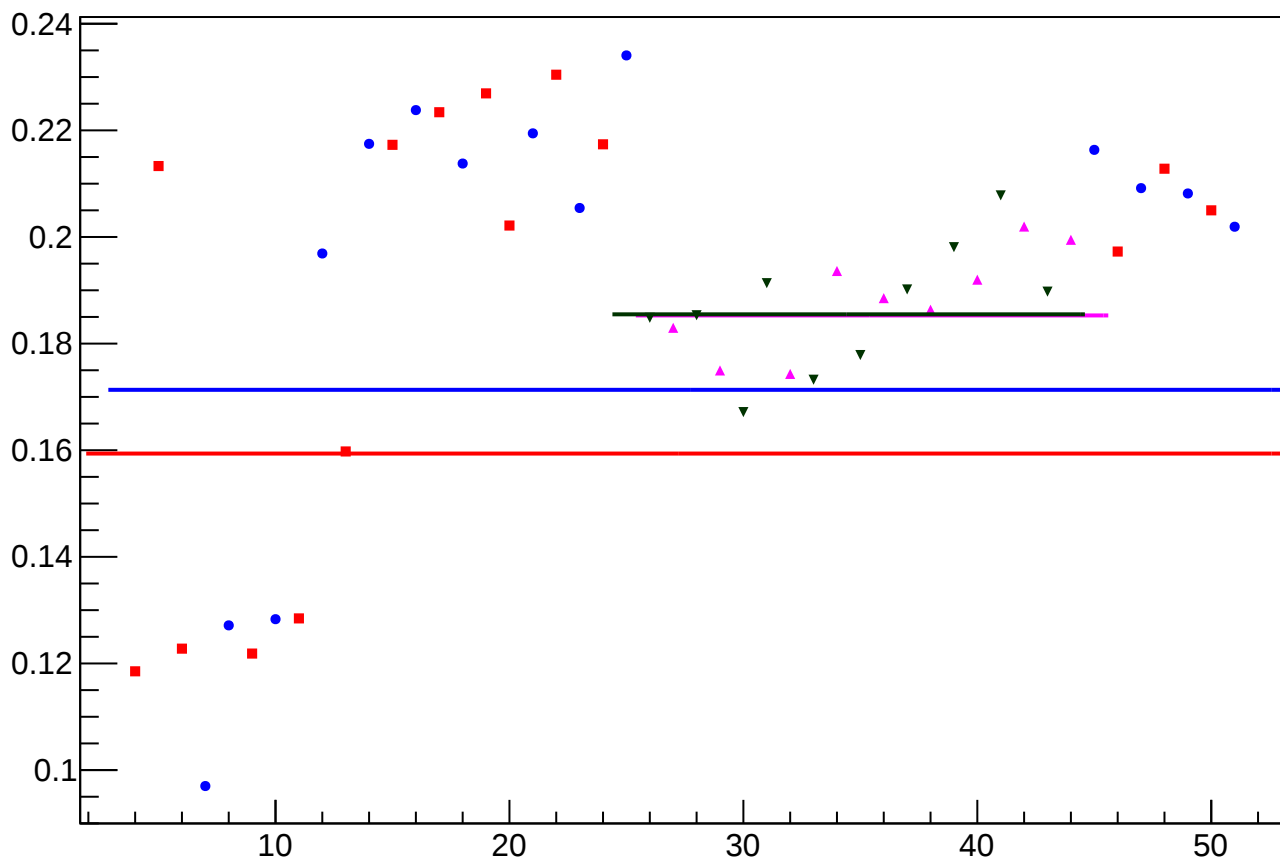
Right Out: 57.968+/-0.000 χ^2/NDF : 24610856451.5/14

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

63.615+/-0.000 χ^2/NDF : 35905626028.8/23

62.125+/-0.000 χ^2/NDF : 37774558823.7/23

yield_bcm_dg_ds_rms vs slug



Right In: 0.171+/-0.000 χ^2/NDF : 1172778.7/13

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

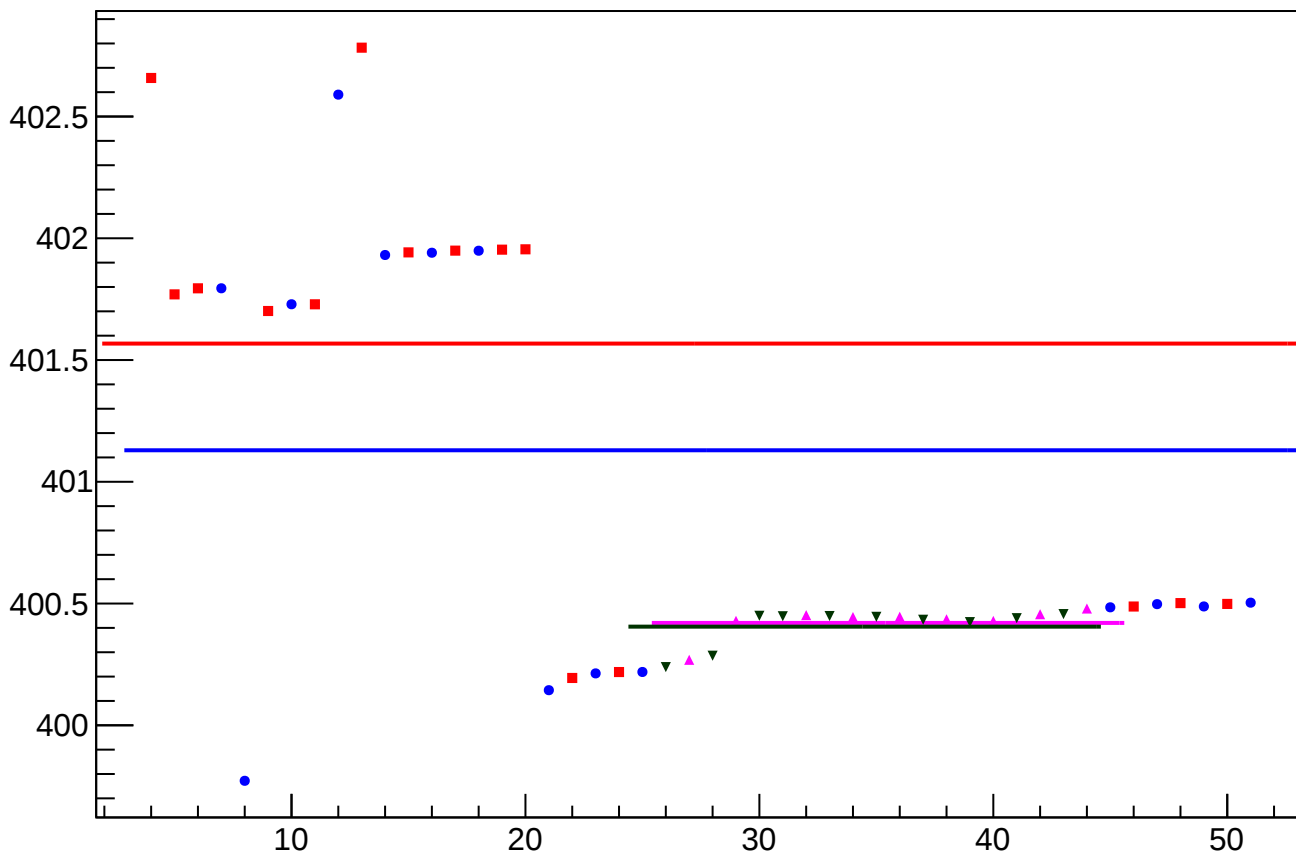
Right Out: 0.159+/-0.000 χ^2/NDF : 977668.9/14

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

0.176+/-0.000 χ^2/NDF : 1250364.7/23

0.169+/-0.000 χ^2/NDF : 1139794.7/23

yield_cav4bQ_mean vs slug



Right In: 401.129+/-0.000 χ^2/NDF : 154327834206.8/13

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

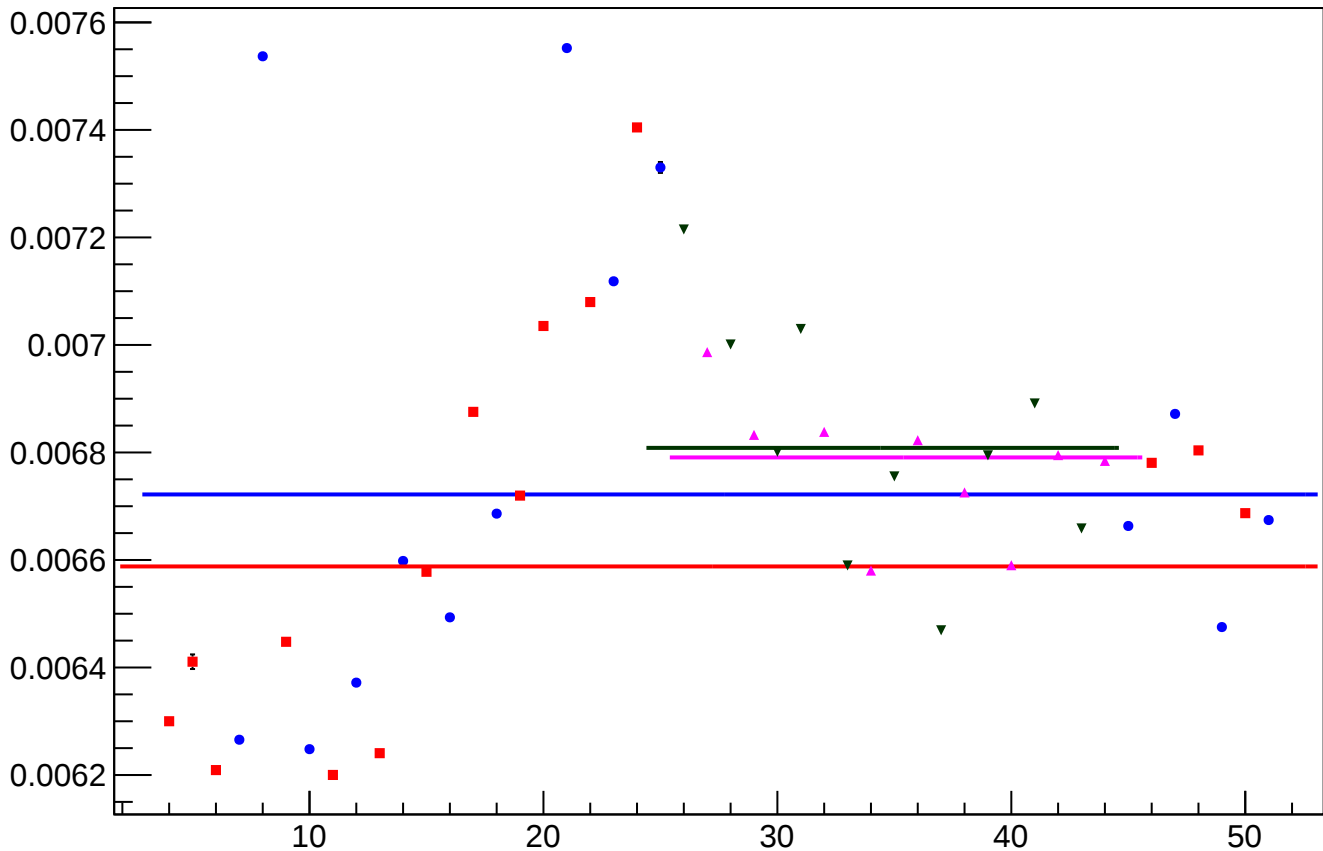
Right Out: 401.568+/-0.000 χ^2/NDF : 131790560100.2/14

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

400.861+/-0.000 χ^2/NDF : 193232896863.9/23

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

yield_cav4bQ_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 66488.5/13

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

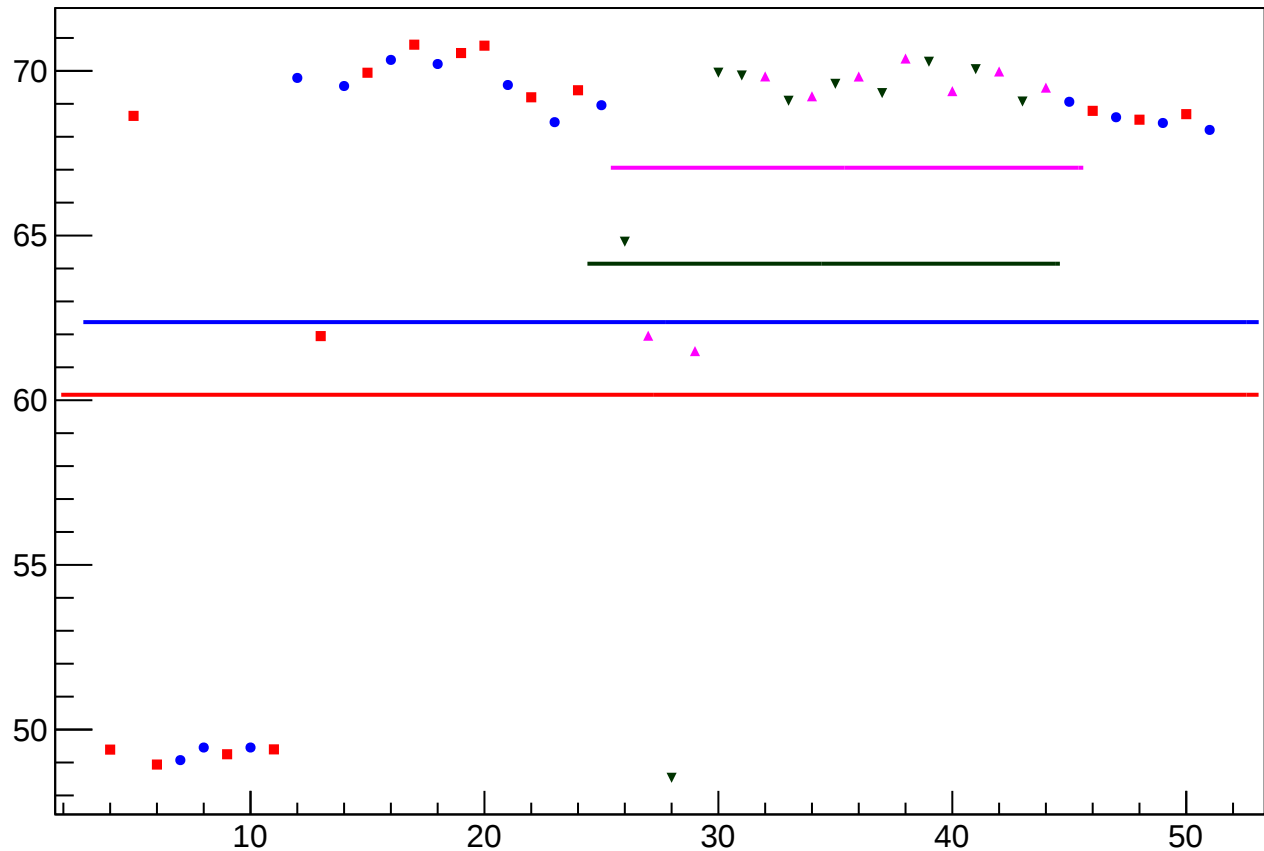
Right Out: 0.007+/-0.000 χ^2/NDF : 44534.5/14

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

0.007+/-0.000 χ^2/NDF : 77367.2/23

0.007+/-0.000 χ^2/NDF : 54092.8/23

yield_cav4cQ_mean vs slug



Right In: 62.372+/-0.000 χ^2/NDF : 16023379930.2/13

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

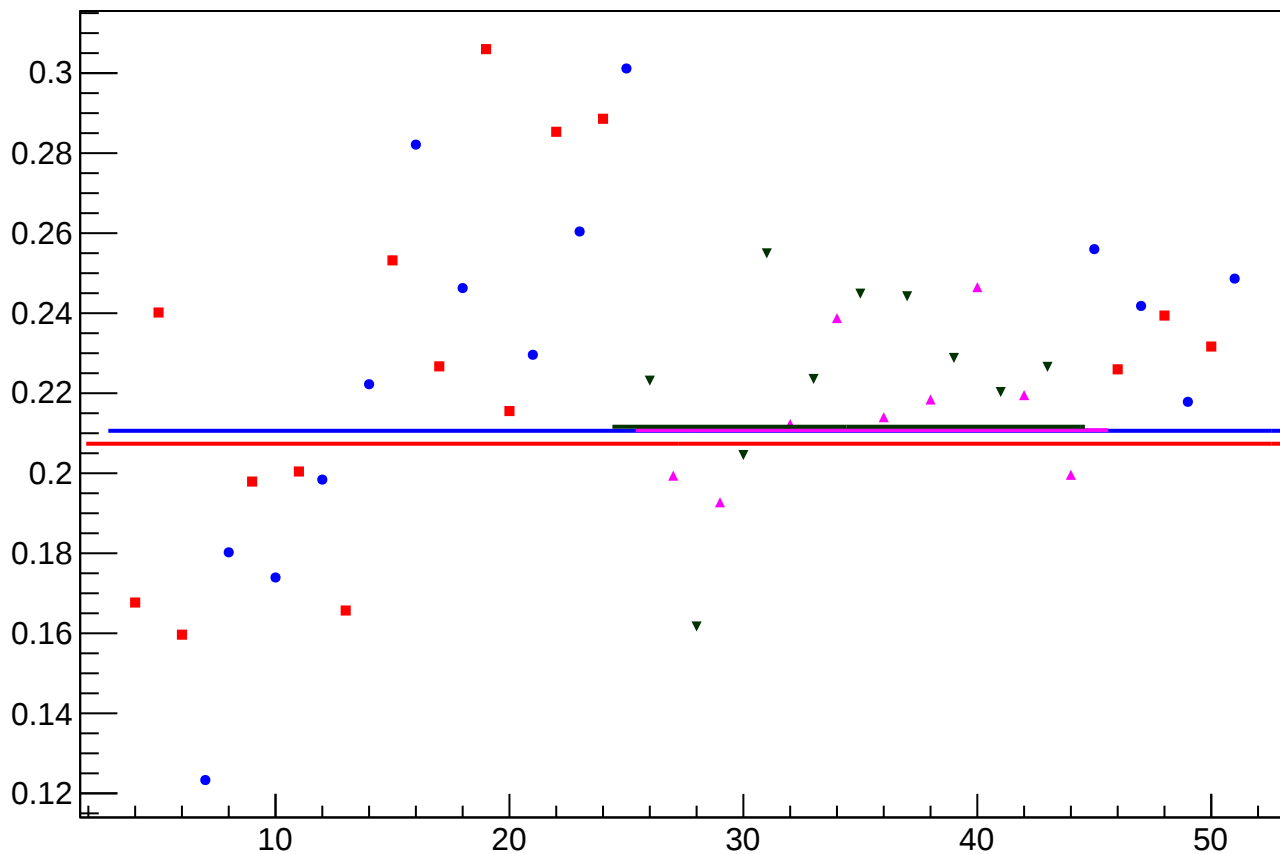
Right Out: 60.166+/-0.000 χ^2/NDF : 13639581204.6/14

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

63.035+/-0.000 χ^2/NDF : 24766627769.3/23

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

yield_cav4cQ_rms vs slug



Right In: 0.211 $\pm$ 0.000 χ^2/NDF : 599163.6/13

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

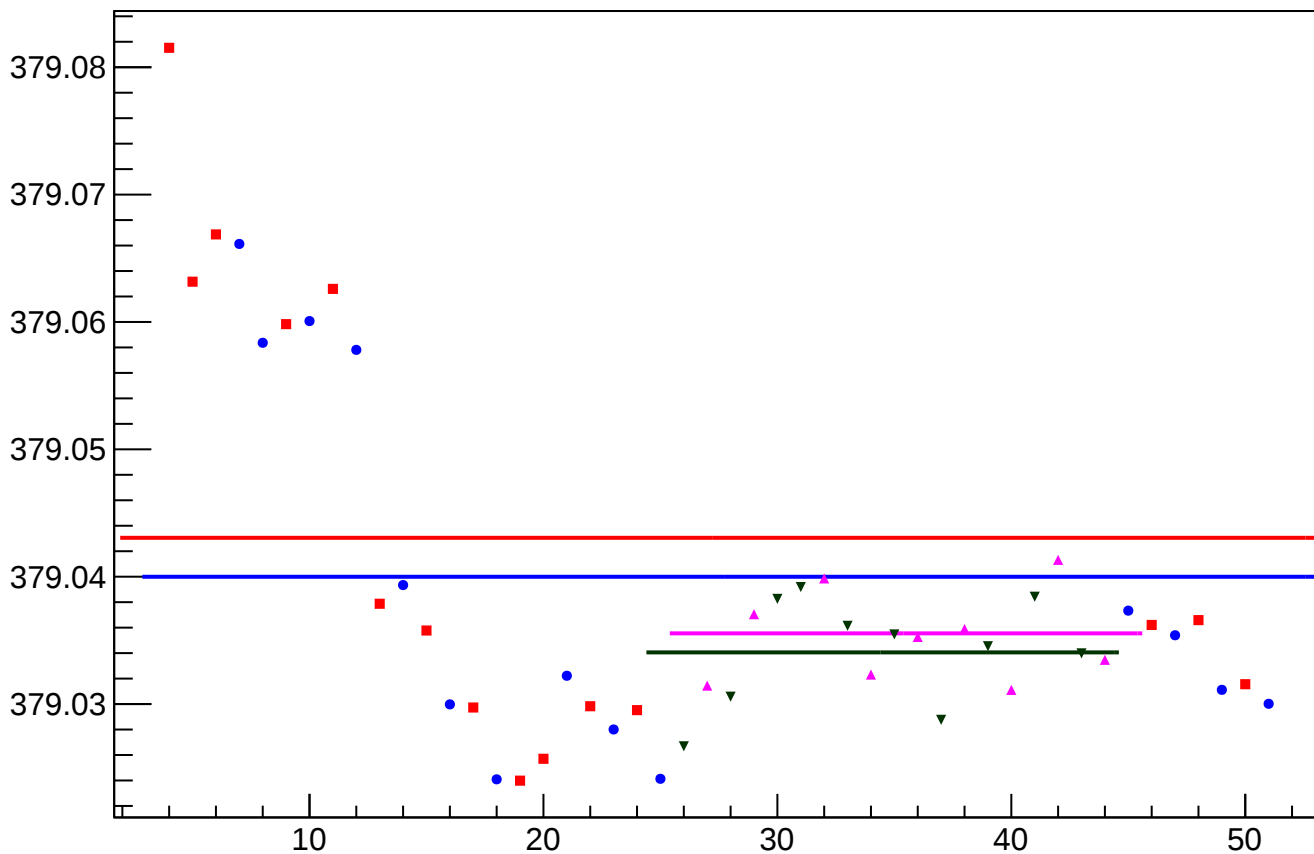
Right Out: 0.207 $\pm$ 0.000 χ^2/NDF : 516897.6/14

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

0.211 $\pm$ 0.000 χ^2/NDF : 800716.3/23

0.209 $\pm$ 0.000 χ^2/NDF : 573003.8/23

yield_cav4dQ_mean vs slug



Right In: 379.040 $\pm$ 0.000 χ^2/NDF : 31916404.5/13

Left Out: 379.038 $\pm$ 0.000 χ^2/NDF : 1785889.4/9

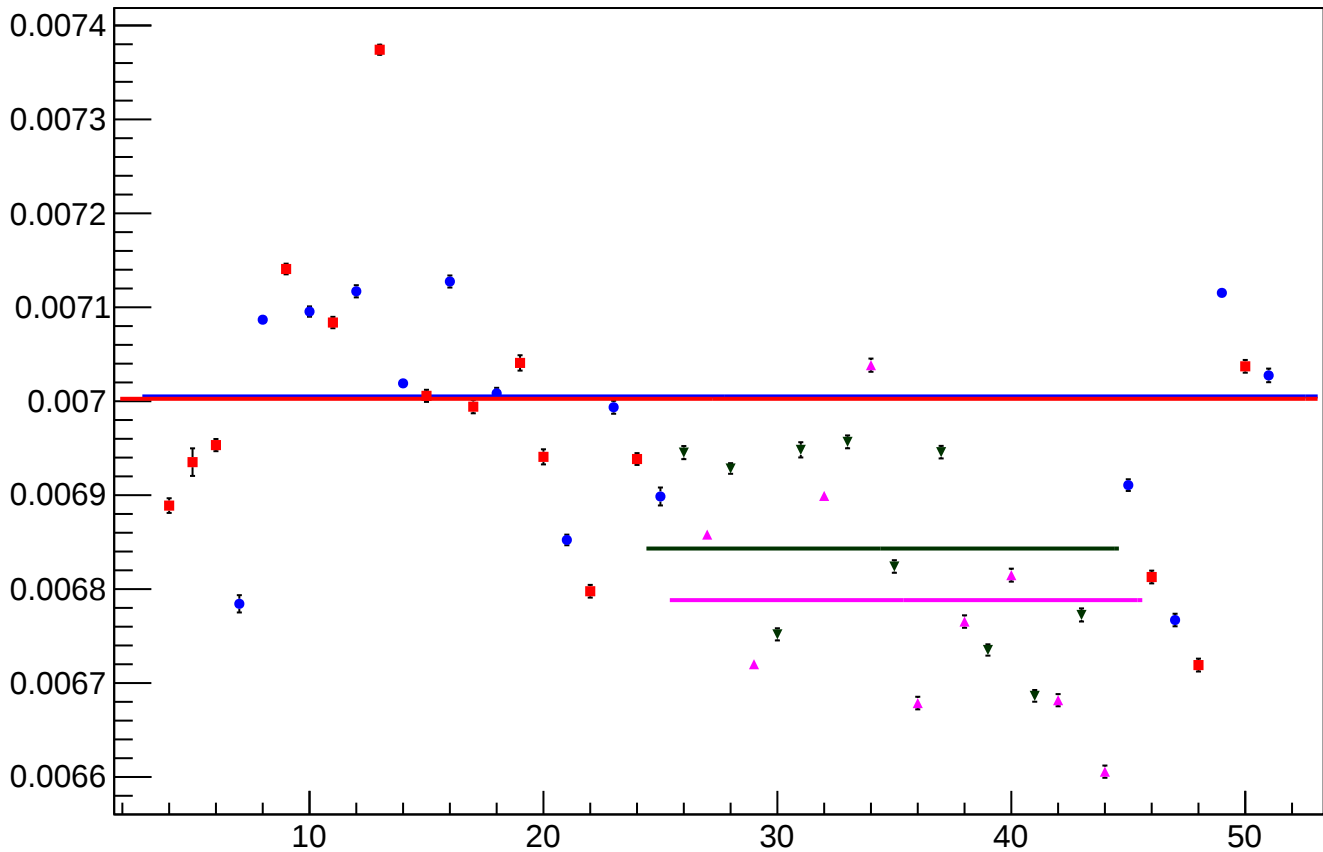
Right Out: 379.043 $\pm$ 0.000 χ^2/NDF : 43863815.3/14

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

379.038 $\pm$ 0.000 χ^2/NDF : 36191787.5/23

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

yield_cav4dQ_rms vs slug



Right In: 0.007 $\pm$ 0.000 $\chi^2/\text{NDF}: 4534.8/13$

Left Out: 0.007 $\pm$ 0.000 $\chi^2/\text{NDF}: 2379.4/9$

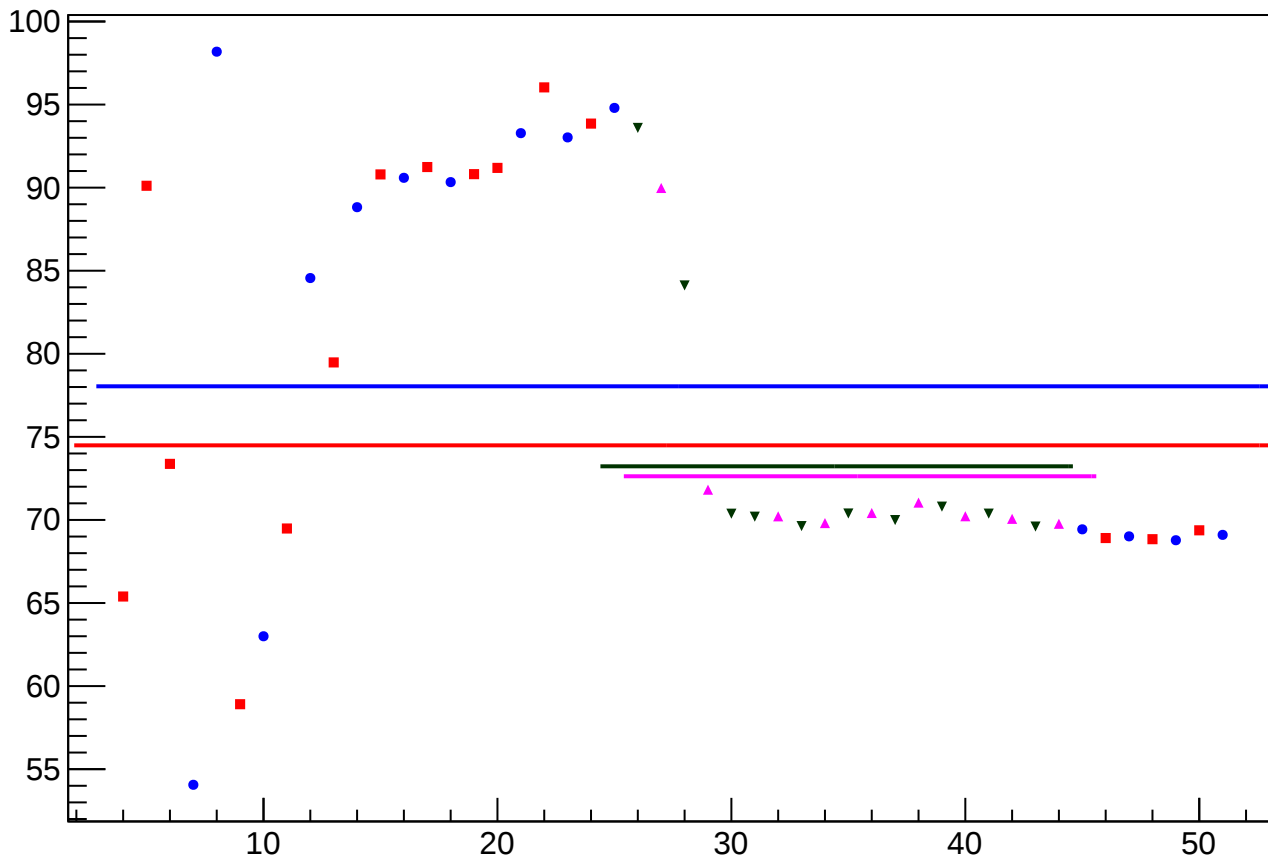
Right Out: 0.007 $\pm$ 0.000 $\chi^2/\text{NDF}: 9440.3/14$

Left In: 0.007 $\pm$ 0.000 $\chi^2/\text{NDF}: 3429.2/8$

0.007 $\pm$ 0.000 $\chi^2/\text{NDF}: 10616.7/23$

0.007 $\pm$ 0.000 $\chi^2/\text{NDF}: 19276.7/23$

yield_bcm0l02_mean vs slug



Right In: 78.043+/-0.000 χ^2/NDF : 19096535866.1/13

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

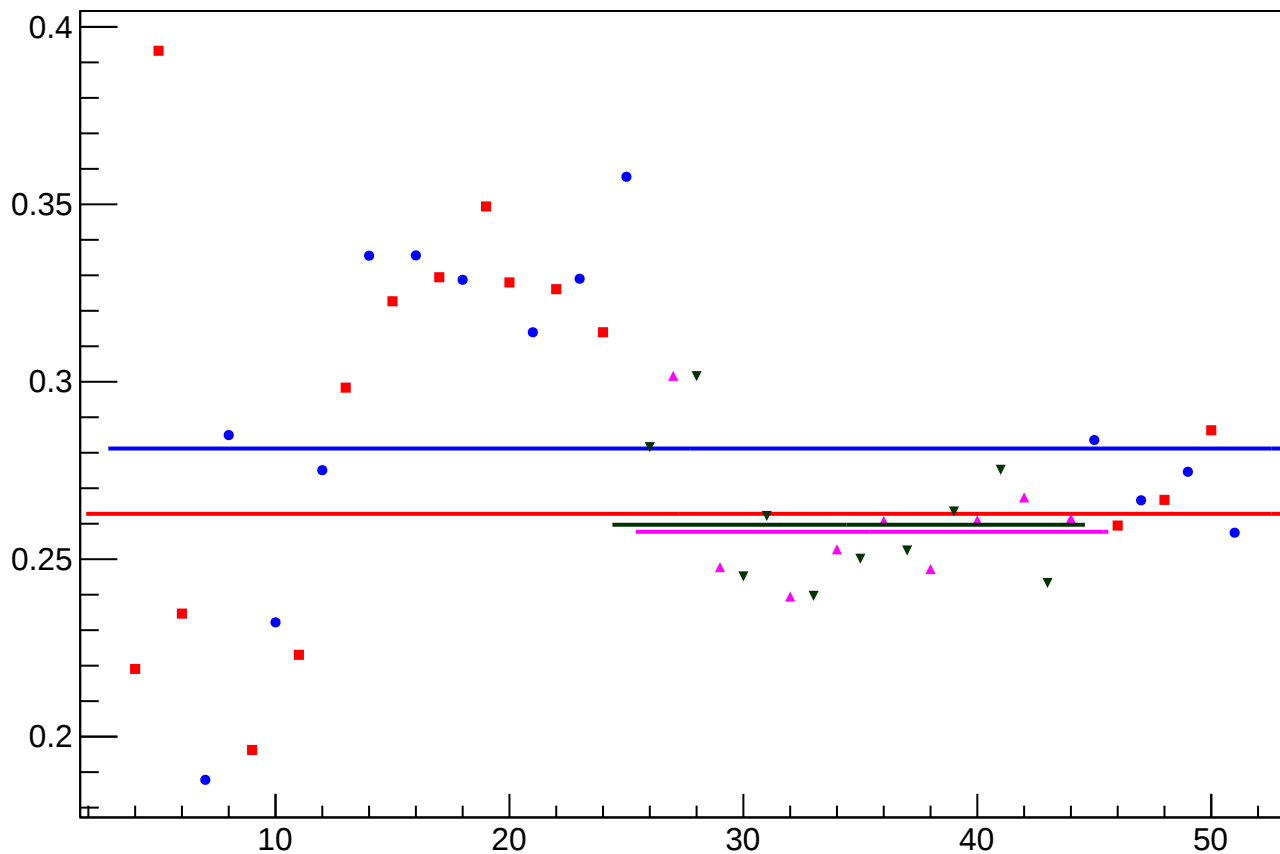
Right Out: 74.489+/-0.000 χ^2/NDF : 14214200543.2/14

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

76.023+/-0.000 χ^2/NDF : 23813048152.4/23

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

yield_bcm0l02_rms vs slug



Right In: 0.281 ± 0.000 χ^2/NDF : 358832.2/13

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

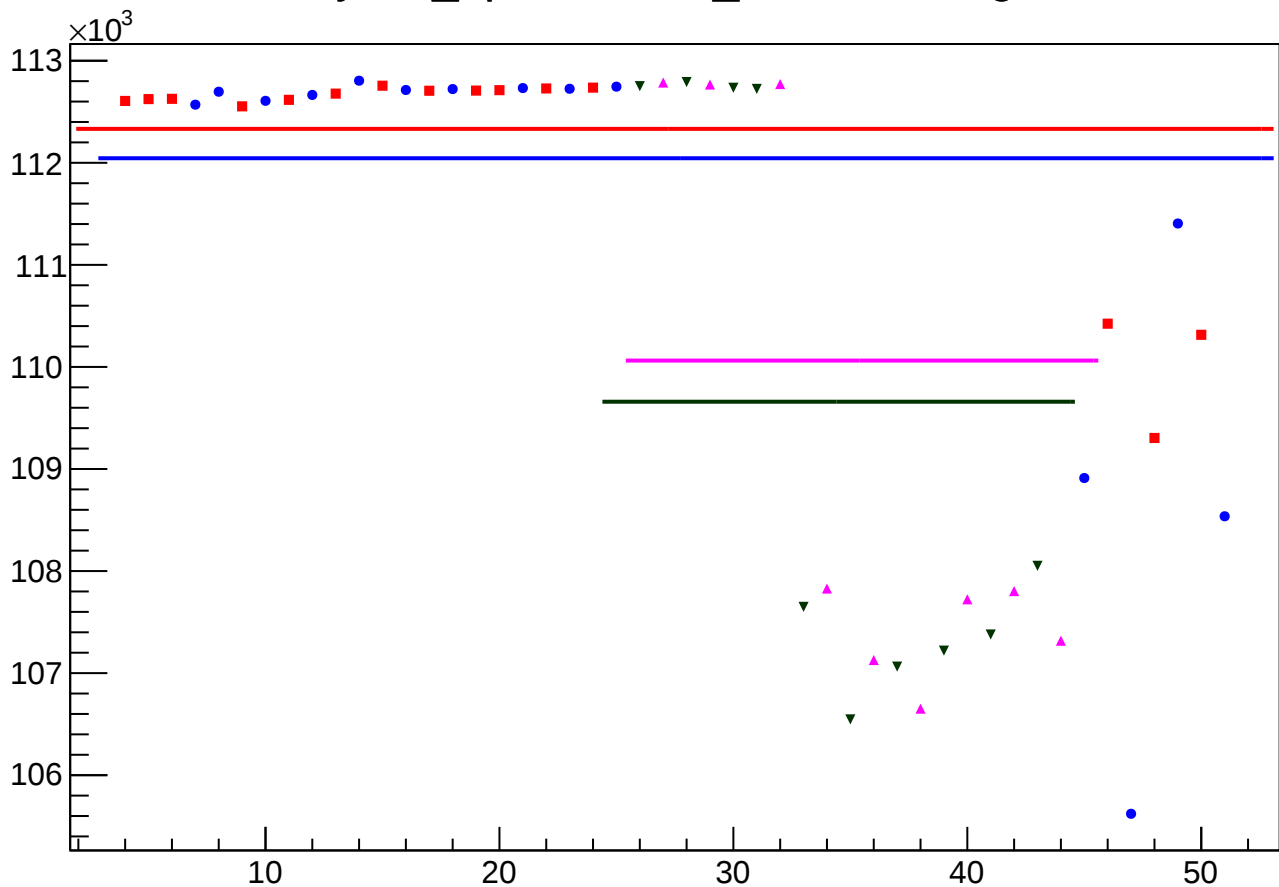
Right Out: 0.263 ± 0.000 χ^2/NDF : 489422.5/14

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

0.272 ± 0.000 χ^2/NDF : 445911.2/23

0.261 ± 0.000 χ^2/NDF : 540831.8/23

yield_bpm2i01WS_mean vs slug



Right In: 112044.714 $\pm$ 0.038 χ^2/NDF : 1845415121.2/13

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

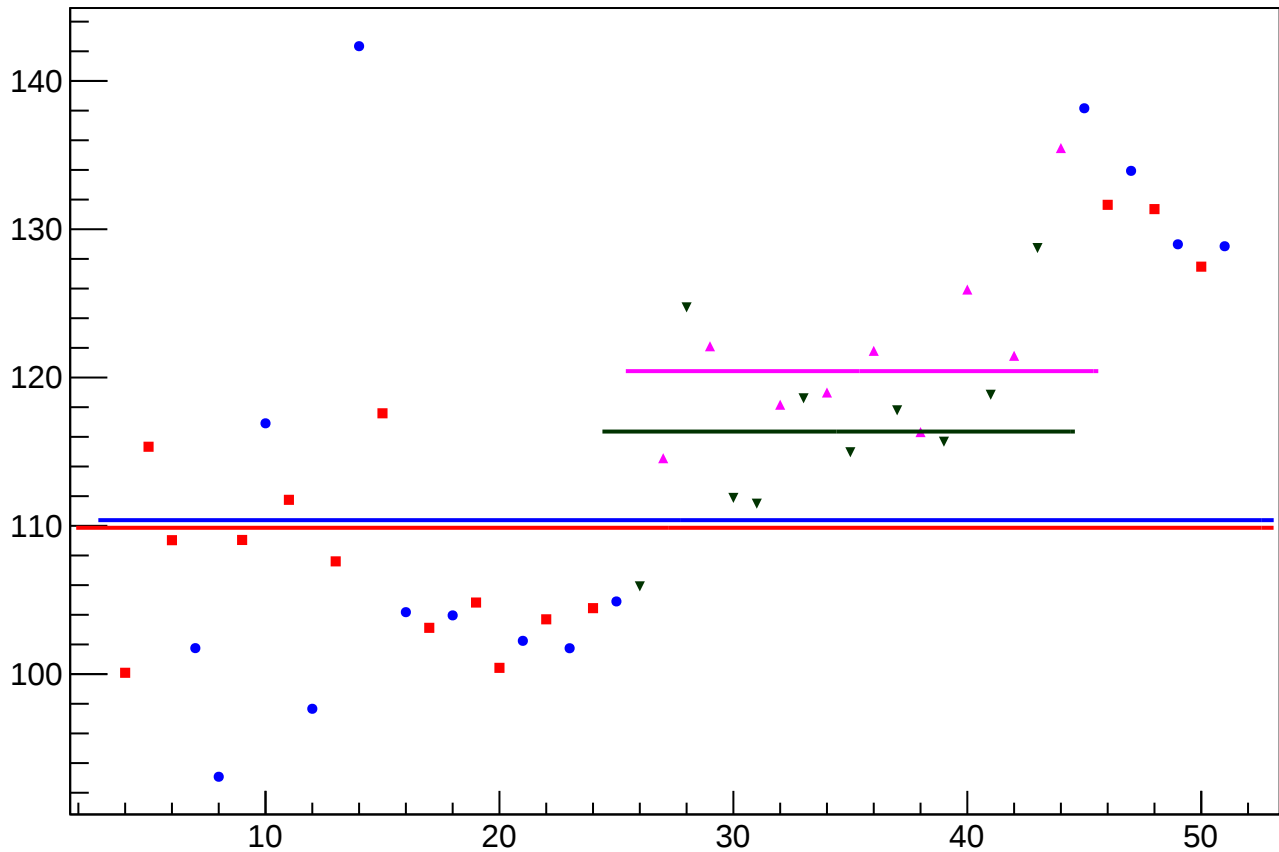
Right Out: 112332.614 $\pm$ 0.041 χ^2/NDF : 504383082.7/14

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

111223.971 $\pm$ 0.031 χ^2/NDF : 5870032825.2/23

111498.528 $\pm$ 0.032 χ^2/NDF : 4243265420.8/23

yield_bpm2i01WS_rms vs slug



Right In: 110.382 $\pm$ 0.027 χ^2 /NDF: 335808.5/13

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

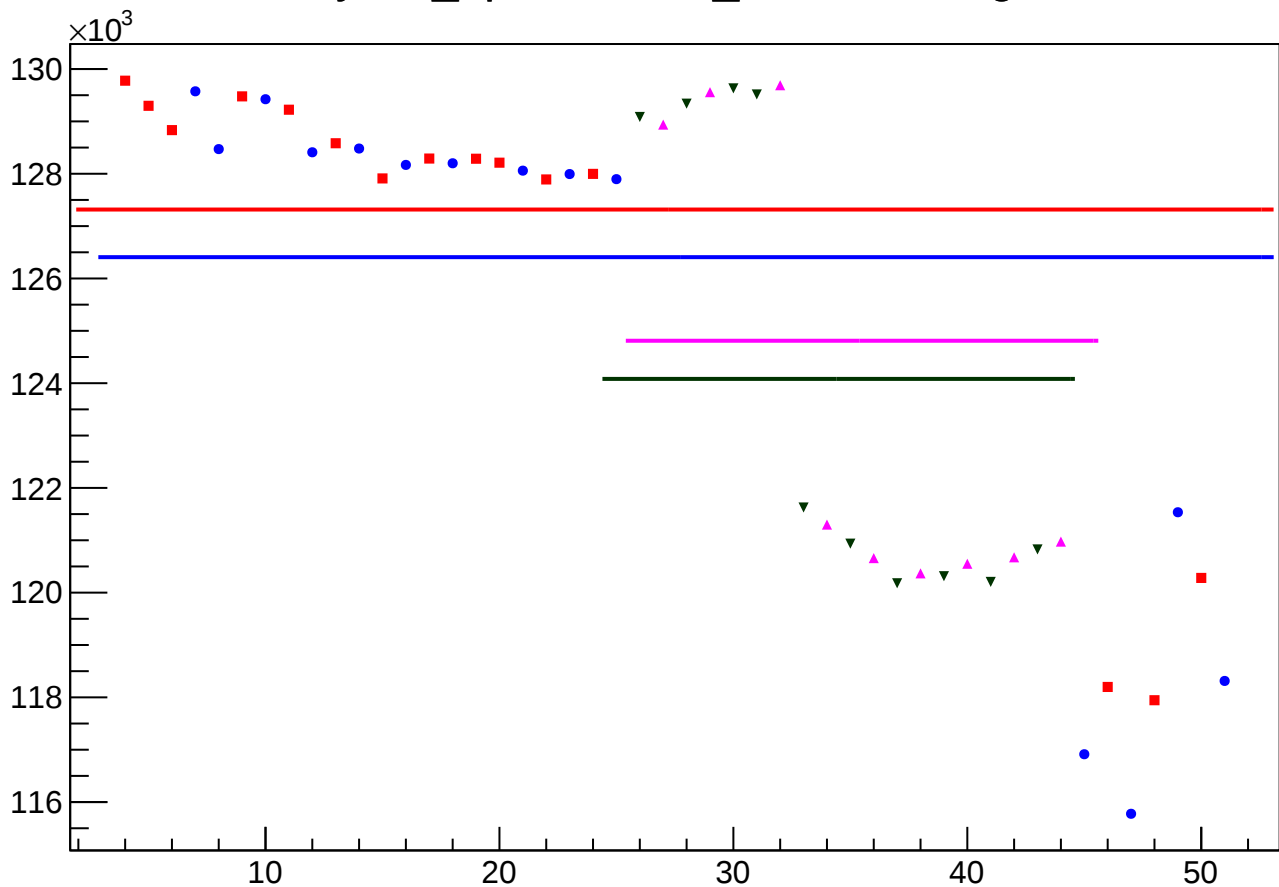
Right Out: 109.868 $\pm$ 0.029 χ^2 /NDF: 93283.9/14

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

112.438 $\pm$ 0.022 χ^2 /NDF: 379410.4/23

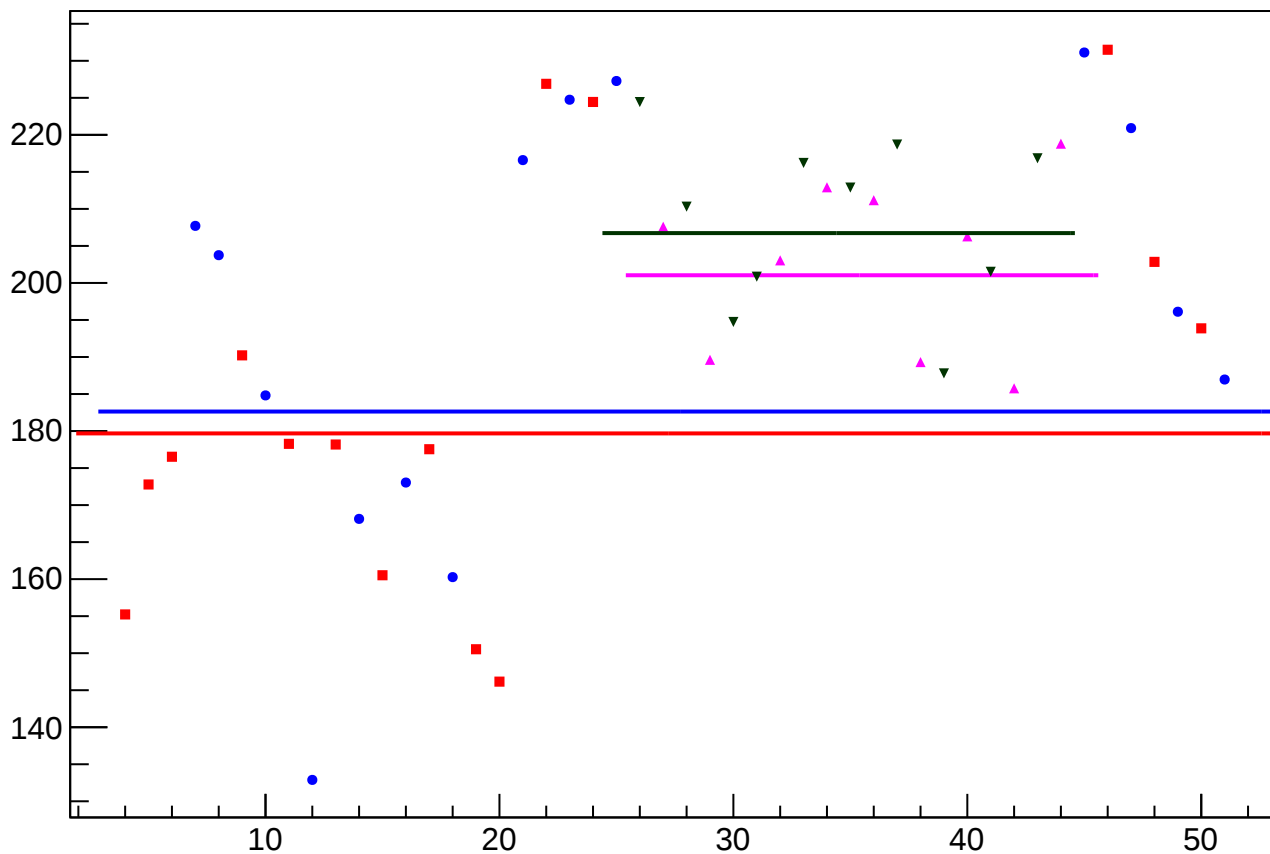
113.749 $\pm$ 0.023 χ^2 /NDF: 161959.7/23

yield_bpm0i07WS_mean vs slug



Right In: 126407.081 $\pm$ 0.063	χ^2 /NDF: 4245142141.4/13	125647.794 $\pm$ 0.051	χ^2 /NDF: 6986623558.8/23
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: 182.634 ± 0.044 χ^2/NDF : 414261.2/13

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

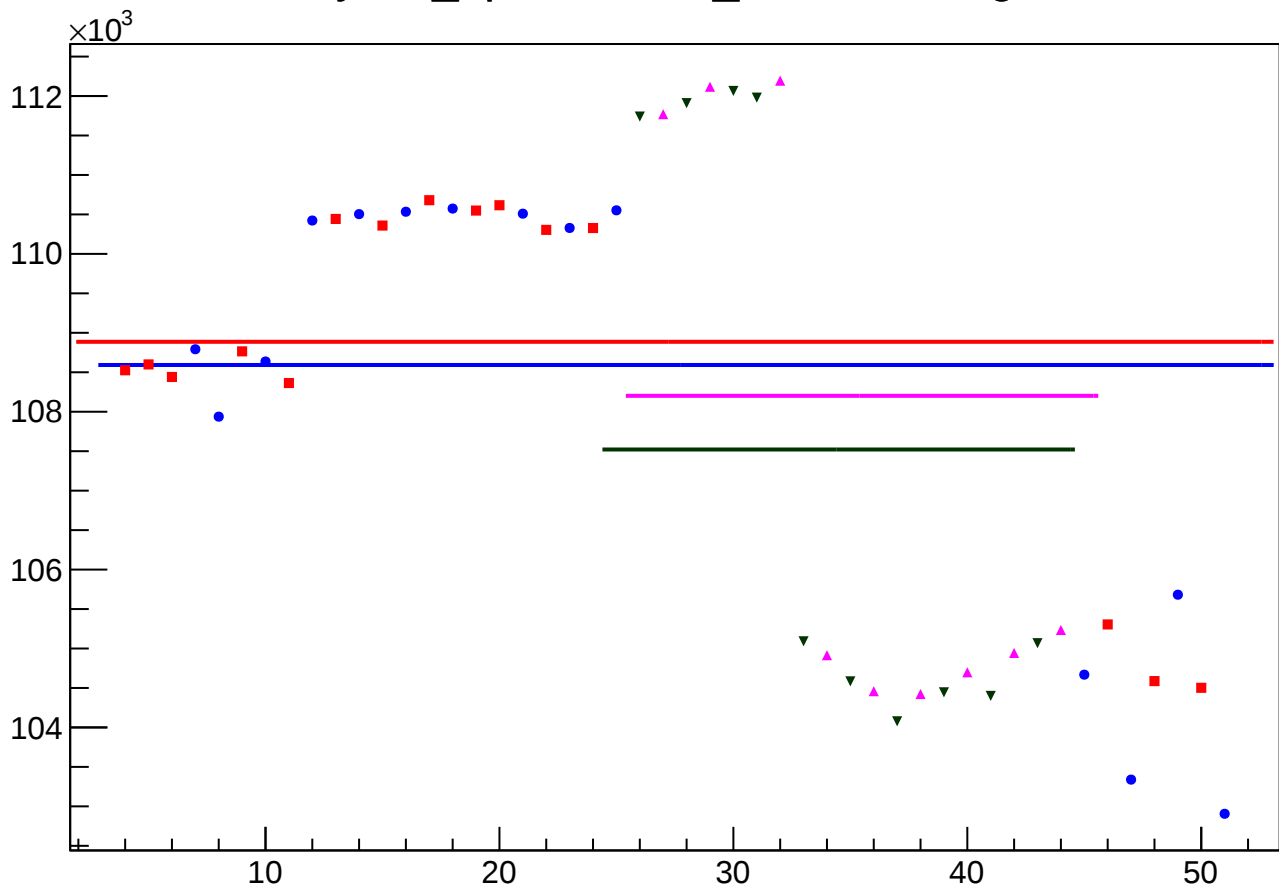
Right Out: 179.680 ± 0.047 χ^2/NDF : 246309.1/14

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

190.504 ± 0.036 χ^2/NDF : 543323.1/23

187.710 ± 0.037 χ^2/NDF : 356586.1/23

yield_bpm0l01WS_mean vs slug



Right In: 108592.365 $\pm$ 0.041 χ^2/NDF : 3643239306.5/13

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

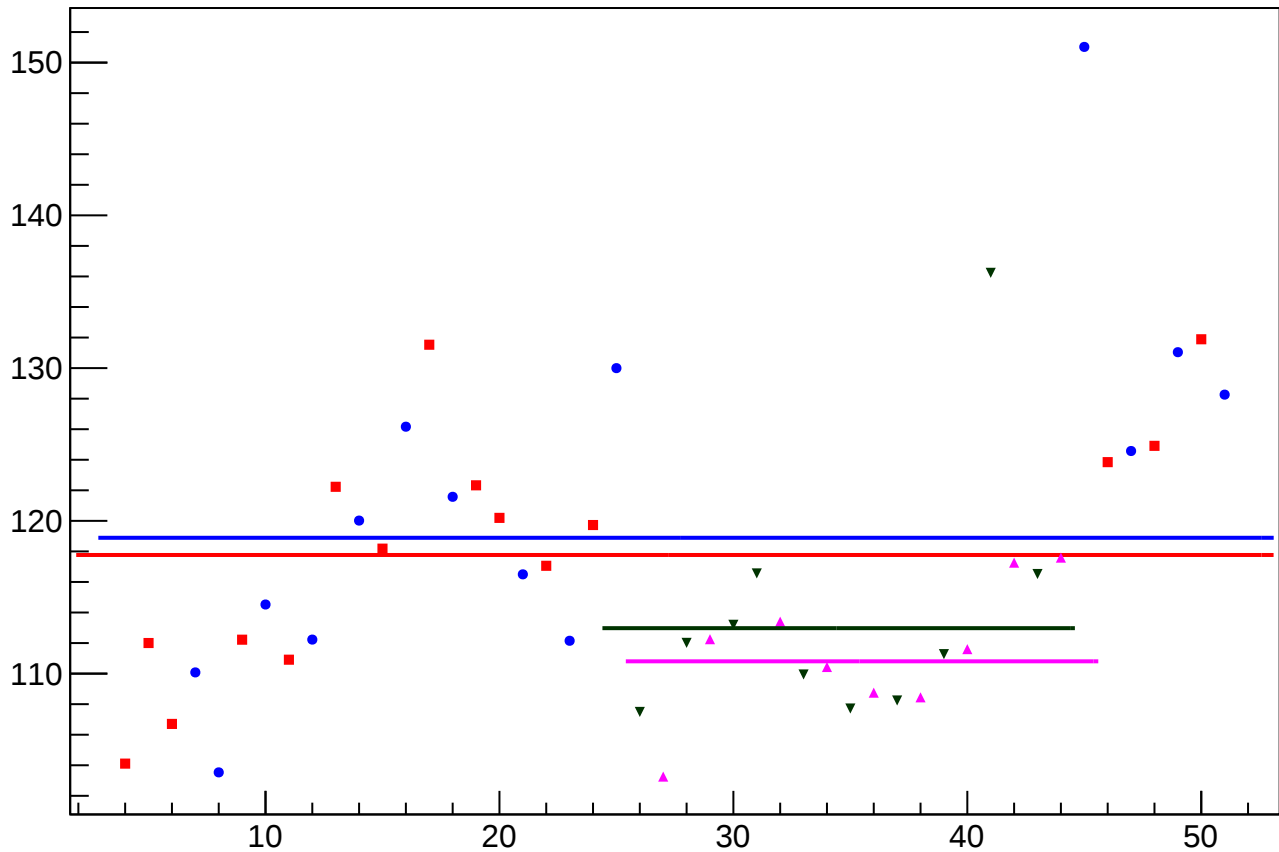
Right Out: 108886.178 $\pm$ 0.043 χ^2/NDF : 2054135341.6/14

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

108161.443 $\pm$ 0.031 χ^2/NDF : 9245346946.8/23

108572.875 $\pm$ 0.032 χ^2/NDF : 8154429735.9/23

yield_bpm0l01WS_rms vs slug



Right In: 118.892 ± 0.029 χ^2/NDF : 131320.1/13

Left Out: 112.975 ± 0.035 χ^2/NDF : 42849.8/9

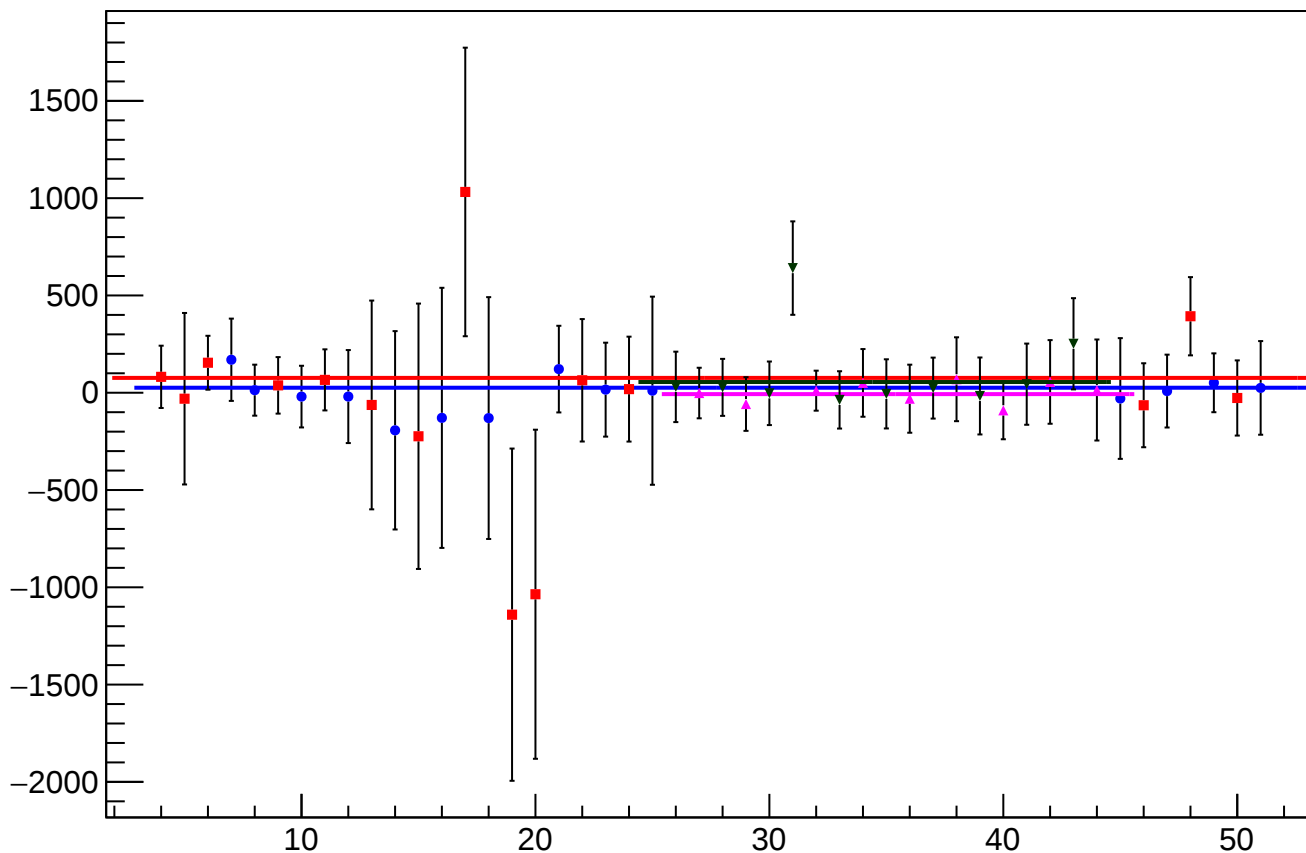
116.511 ± 0.022 χ^2/NDF : 191324.9/23

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: 25.762+/-58.920 χ^2/NDF : 1.1/13

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

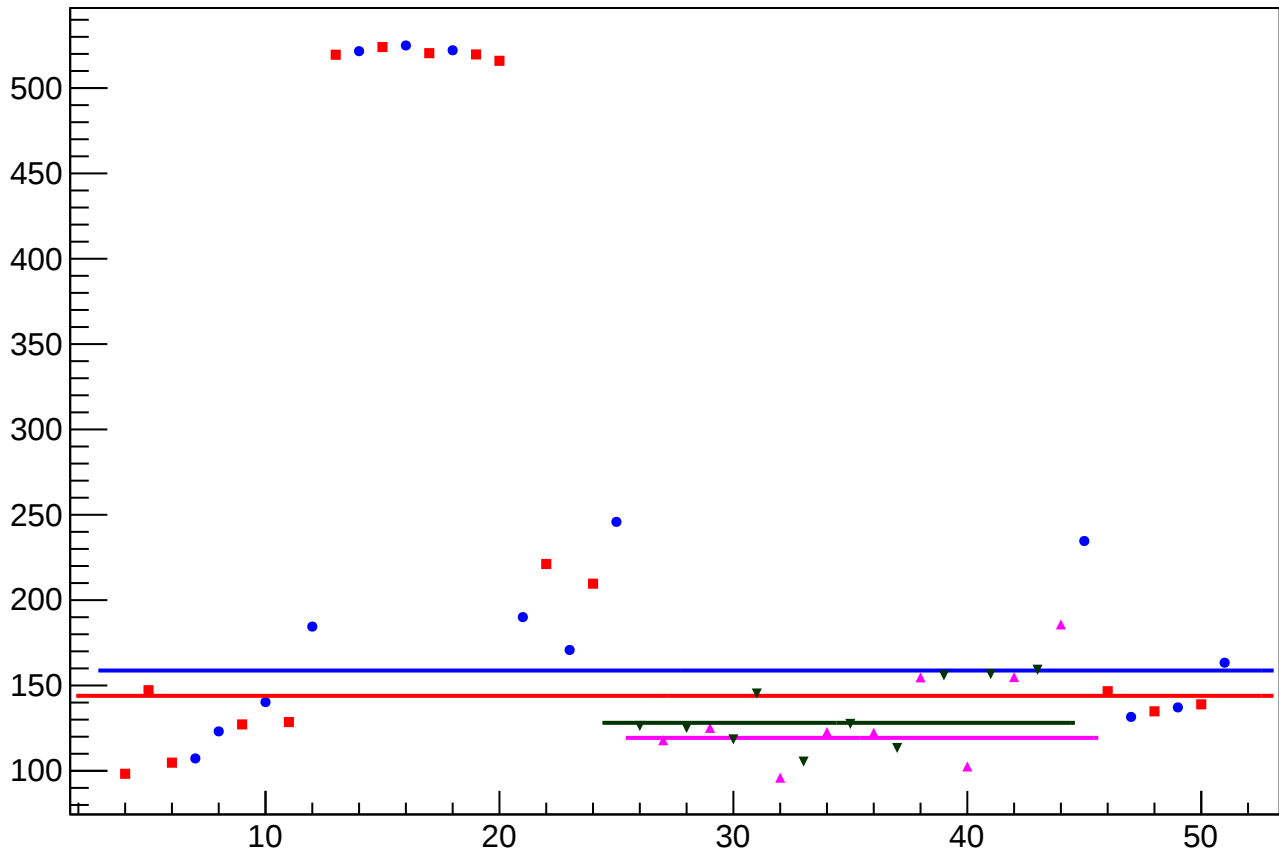
Right Out: 76.314+/-58.582 χ^2/NDF : 9.4/14

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

41.113+/-40.649 χ^2/NDF : 8.8/23

29.365+/-38.726 χ^2/NDF : 11.3/23

asym_bcm_an_ds_rms vs slug



Right In: 158.766 ± 0.042 χ^2/NDF : 2927091.7/13

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

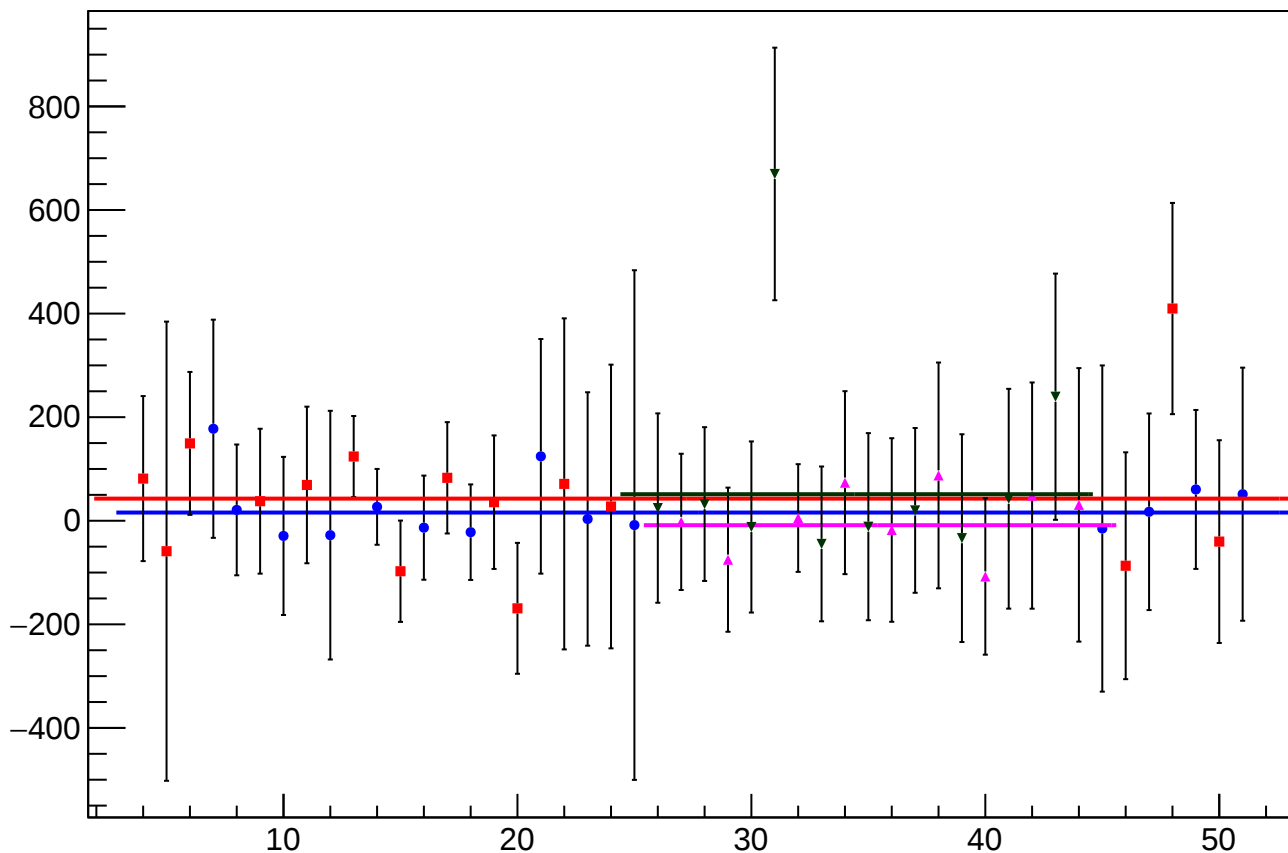
142.709 ± 0.029 χ^2/NDF : 3406320.9/23

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: 15.863 ± 38.181 χ^2/NDF : 1.3/13

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

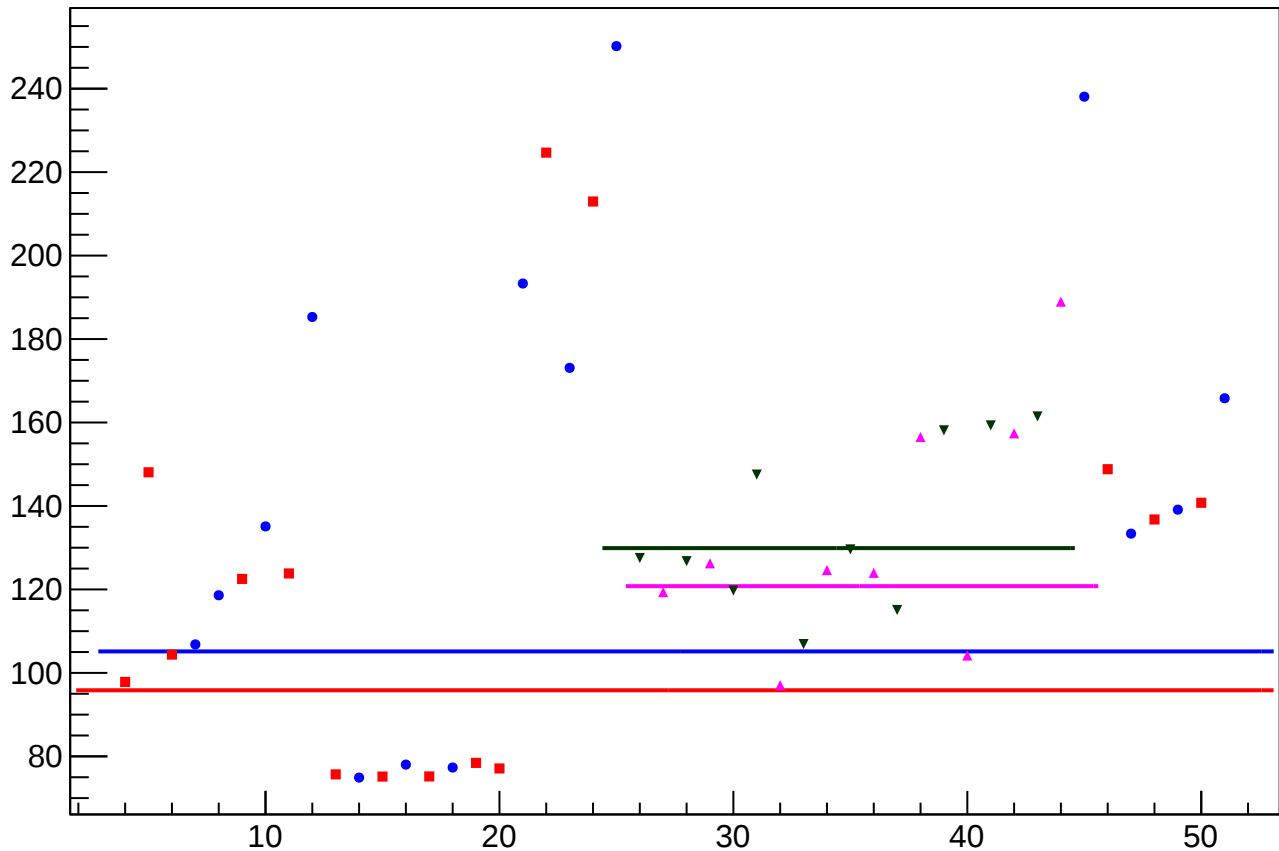
Right Out: 42.746 ± 36.191 χ^2/NDF : 10.6/14

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

26.836 ± 31.712 χ^2/NDF : 9.6/23

26.110 ± 29.755 χ^2/NDF : 12.4/23

asym_bcm_an_ds3_rms vs slug



Right In: 105.148 $\pm$ 0.027 χ^2 /NDF: 2244297.9/13

Left Out: 129.904 $\pm$ 0.040 χ^2 /NDF:197170.8/9

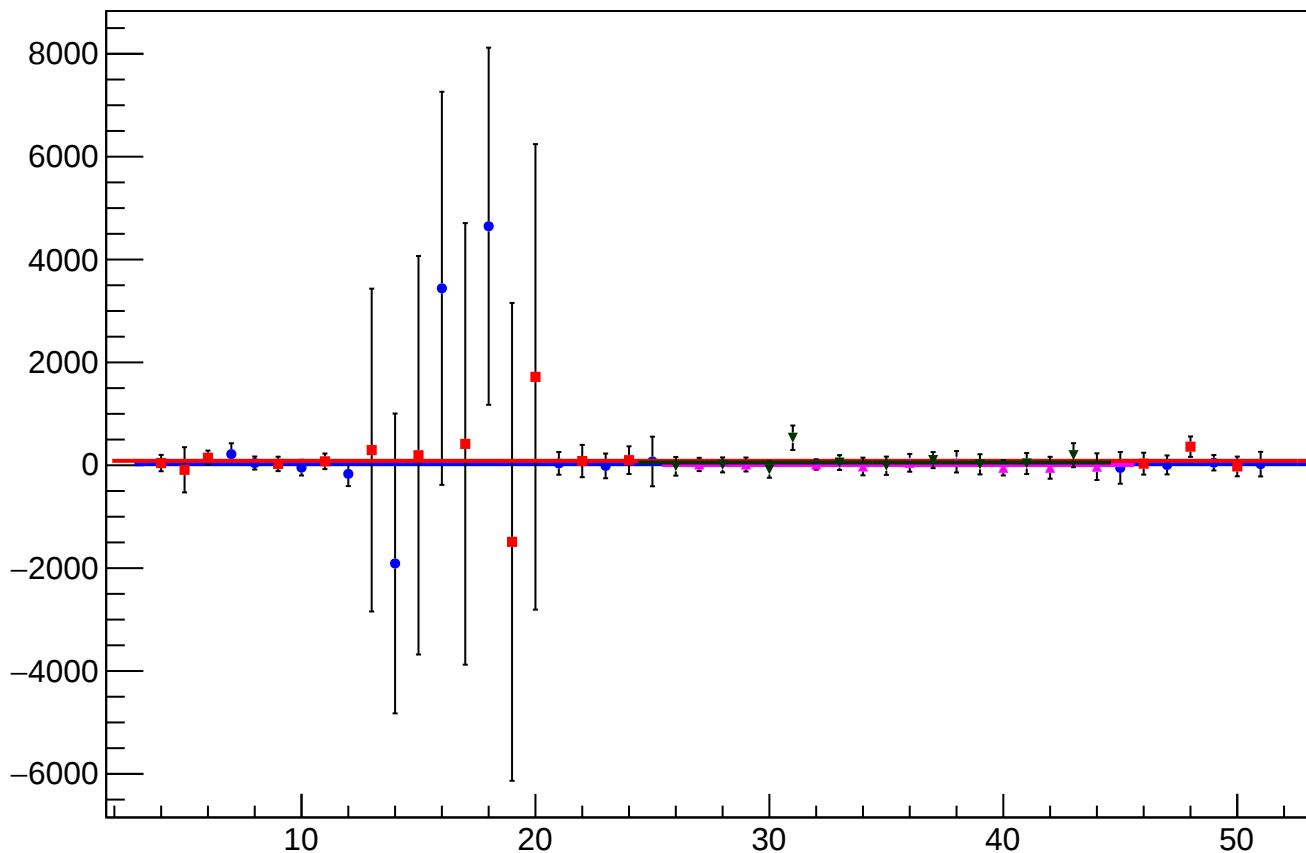
112.827 $\pm$ 0.022 χ^2 /NDF: 2702249.3/23

Right Out: 95.836 $\pm$ 0.026 χ^2 /NDF: 1547231.2/14

103.921 $\pm$ 0.021 χ^2 /NDF: 2231770.9/23

Left In: 120.786 $\pm$ 0.037 χ^2 /NDF:376487.8/8

asym_bcm_an_us_mean vs slug



Right In: 21.357 ± 58.746 $\chi^2/\text{NDF}: 4.9/13$

Left Out: 53.832 ± 55.648 $\chi^2/\text{NDF}: 5.7/9$

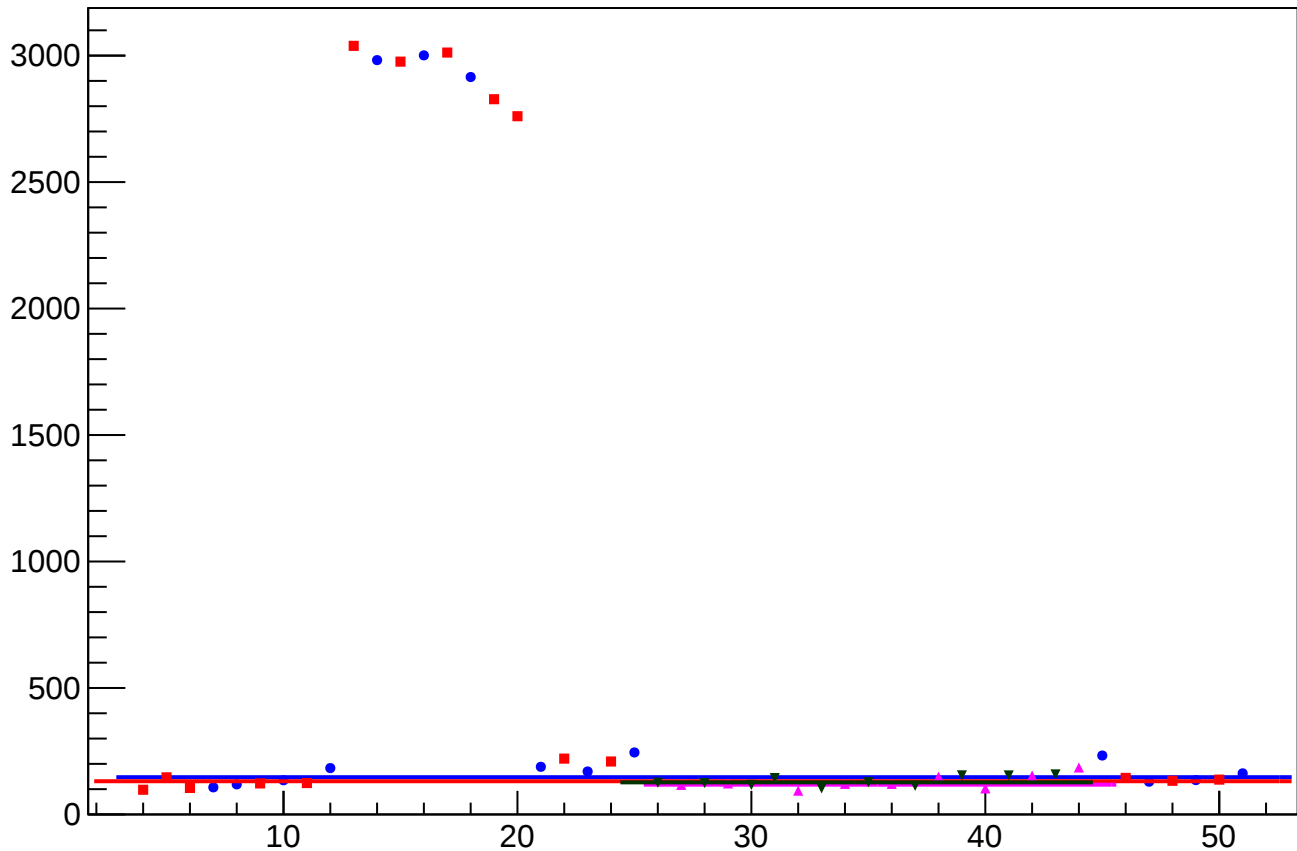
Right Out: 86.691 ± 58.689 $\chi^2/\text{NDF}: 3.2/14$

Left In: 5.189 ± 50.929 $\chi^2/\text{NDF}: 0.4/8$

38.473 ± 40.400 $\chi^2/\text{NDF}: 10.7/23$

40.199 ± 38.465 $\chi^2/\text{NDF}: 4.7/23$

asym_bcm_an_us_rms vs slug



Right In: 147.280+/-0.042 χ^2/NDF : 4872062.4/13

Left Out: 126.861+/-0.039 χ^2/NDF :201202.8/9

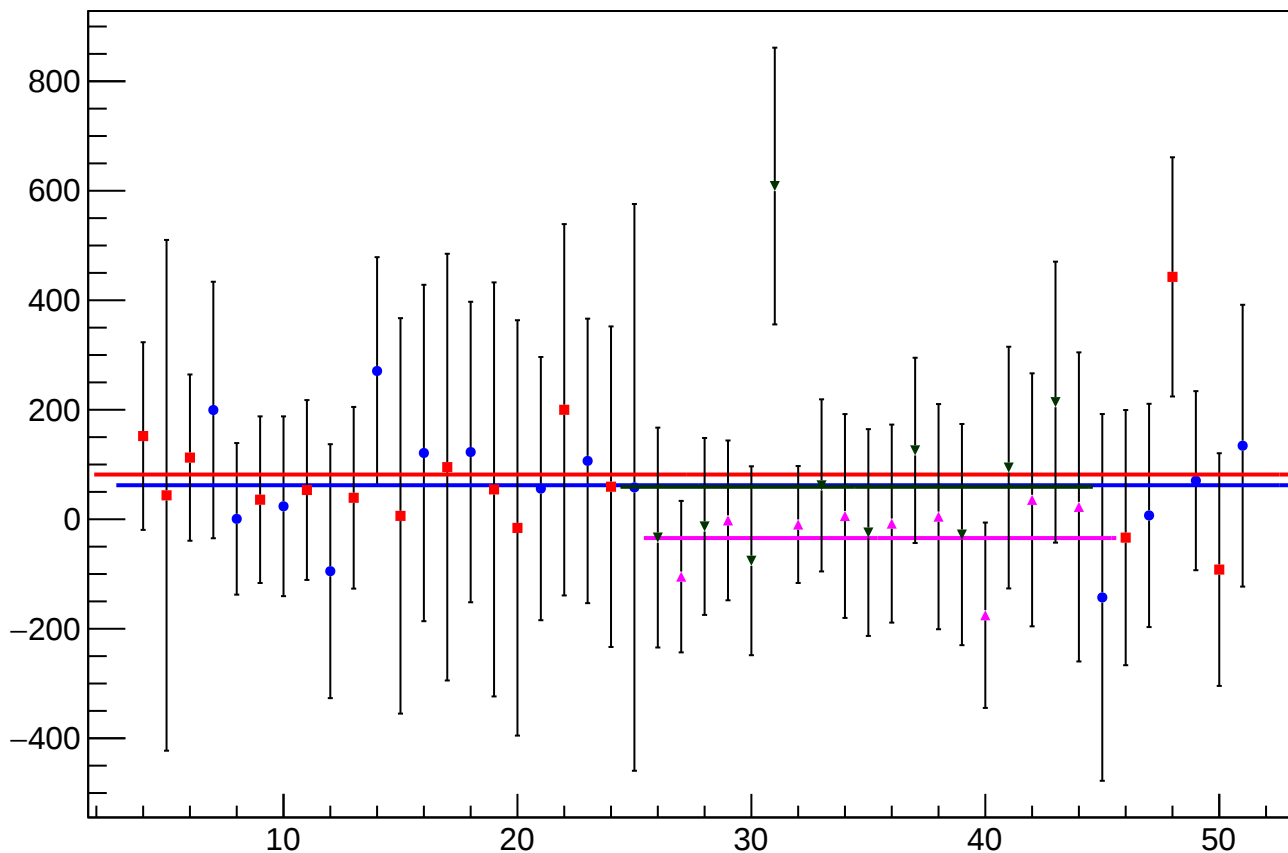
136.518+/-0.029 χ^2/NDF : 5200614.3/23

Right Out: 131.328+/-0.041 χ^2/NDF : 5562420.0/14

123.560+/-0.027 χ^2/NDF : 5998796.9/23

Left In: 117.710+/-0.036 χ^2/NDF :374948.7/8

asym_bcm_dg_us_mean vs slug



Right In: 62.163 $\pm$ 58.281 χ^2 /NDF: 2.7/13

Left Out: 59.318 $\pm$ 60.188 χ^2 /NDF:6.7/9

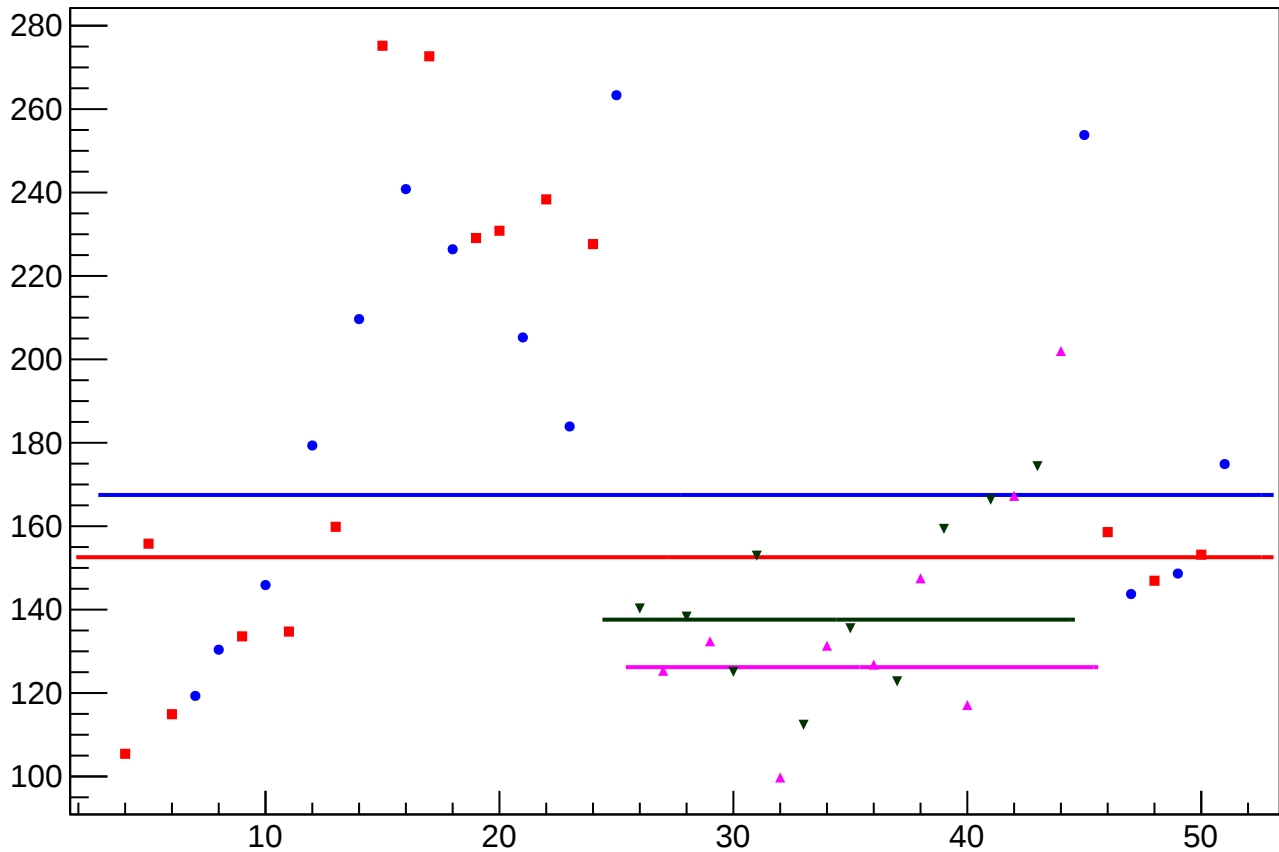
Right Out: 81.696 $\pm$ 56.917 χ^2 /NDF: 4.3/14

Left In: -34.328 $\pm$ 54.542 χ^2 /NDF:1.3/8

60.786 $\pm$ 41.869 χ^2 /NDF: 9.4/23

21.213 $\pm$ 39.380 χ^2 /NDF: 7.7/23

asym_bcm_dg_us_rms vs slug



Right In: 167.493+/-0.041 χ^2/NDF : 870502.3/13

Left Out: 137.600+/-0.043 χ^2/NDF :183507.0/9

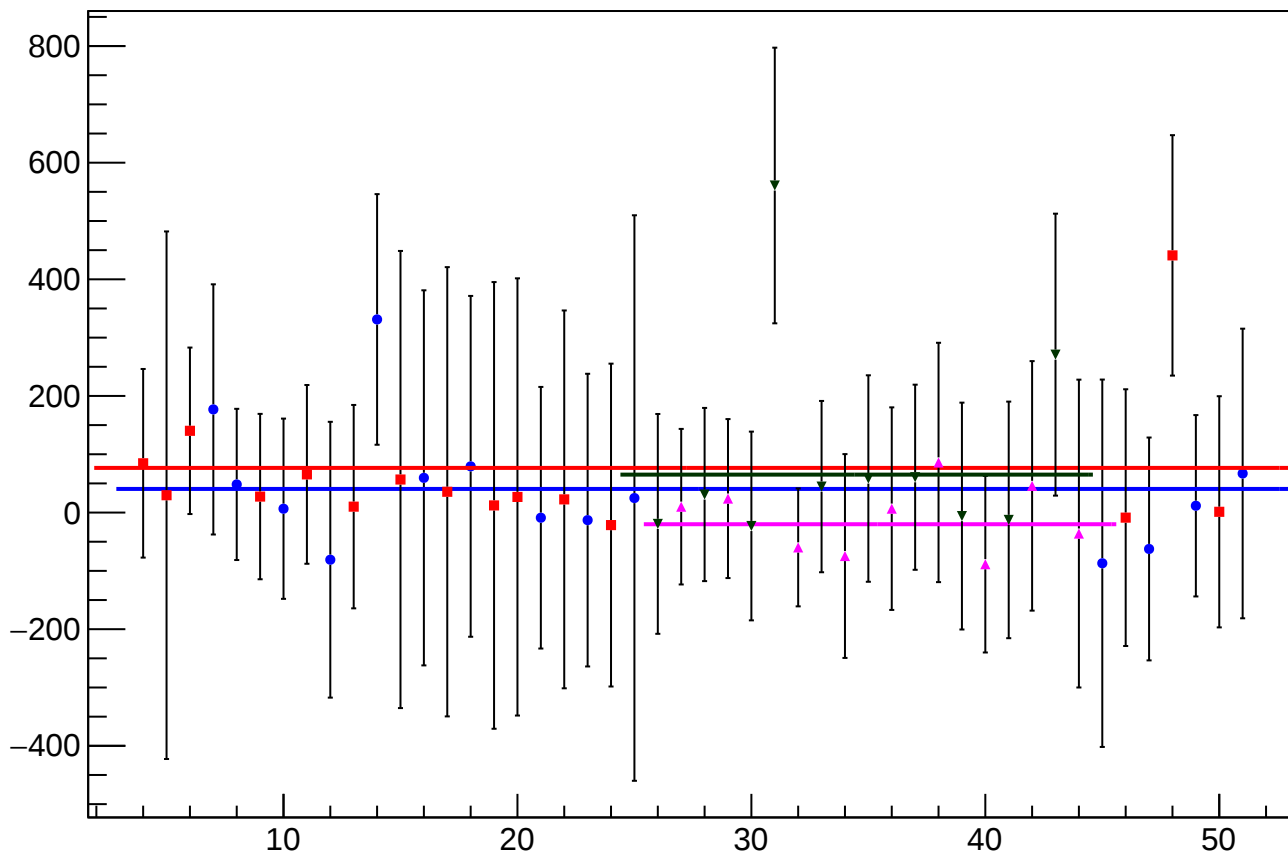
153.028+/-0.030 χ^2/NDF : 1308616.0/23

Right Out: 152.566+/-0.040 χ^2/NDF : 1182715.5/14

138.828+/-0.028 χ^2/NDF : 1768854.5/23

Left In: 126.212+/-0.039 χ^2/NDF :362614.3/8

asym_bcm_dg_ds_mean vs slug



Right In: 40.525+/-55.987 χ^2/NDF : 3.2/13

Left Out: 65.067+/-56.313 χ^2/NDF : 6.0/9

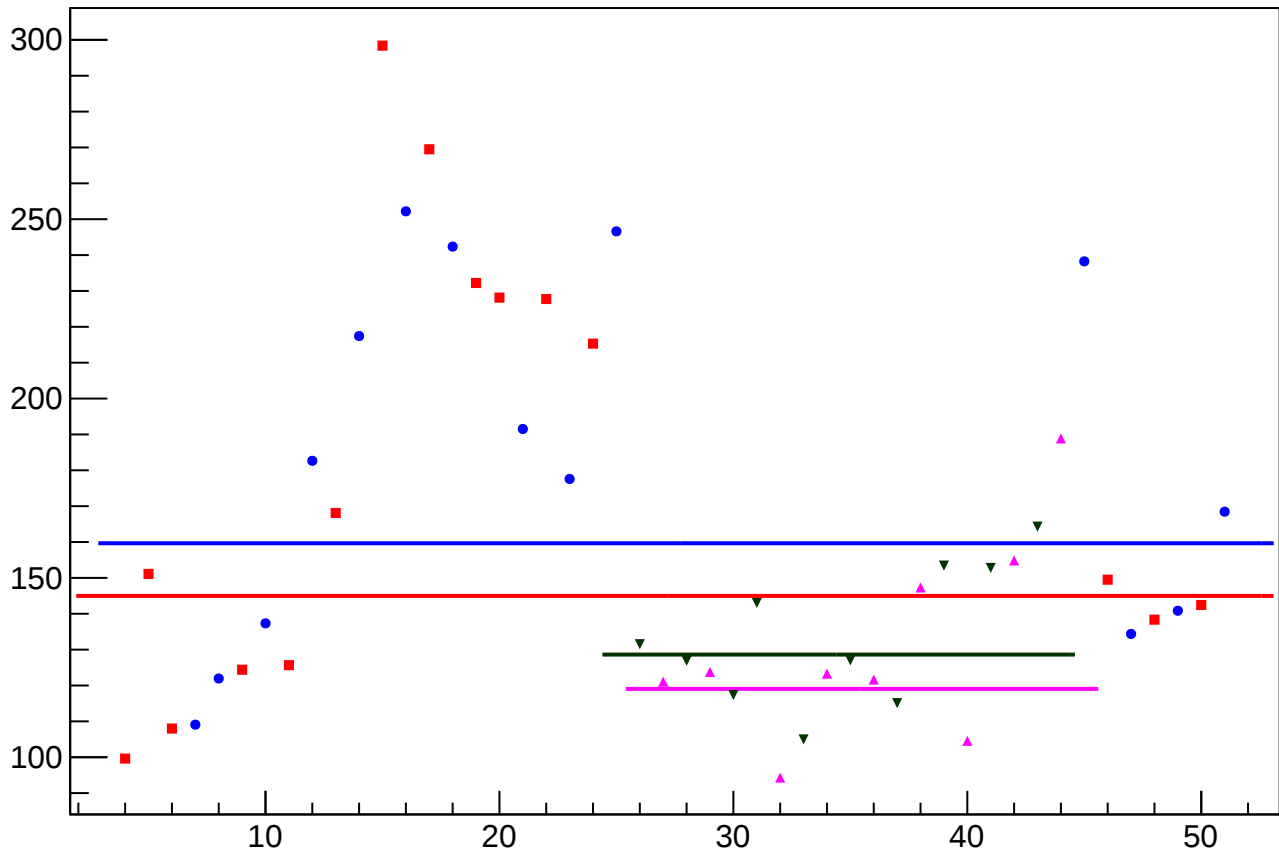
Right Out: 76.590+/-54.496 χ^2/NDF : 4.1/14

Left In: -19.993+/-51.483 χ^2/NDF : 1.0/8

52.725+/-39.703 χ^2/NDF : 9.2/23

25.555+/-37.424 χ^2/NDF : 6.8/23

asym_bcm_dg_ds_rms vs slug



Right In: 159.656+/-0.040 χ^2/NDF : 1117482.4/13

Left Out: 128.616+/-0.040 χ^2/NDF :188850.5/9

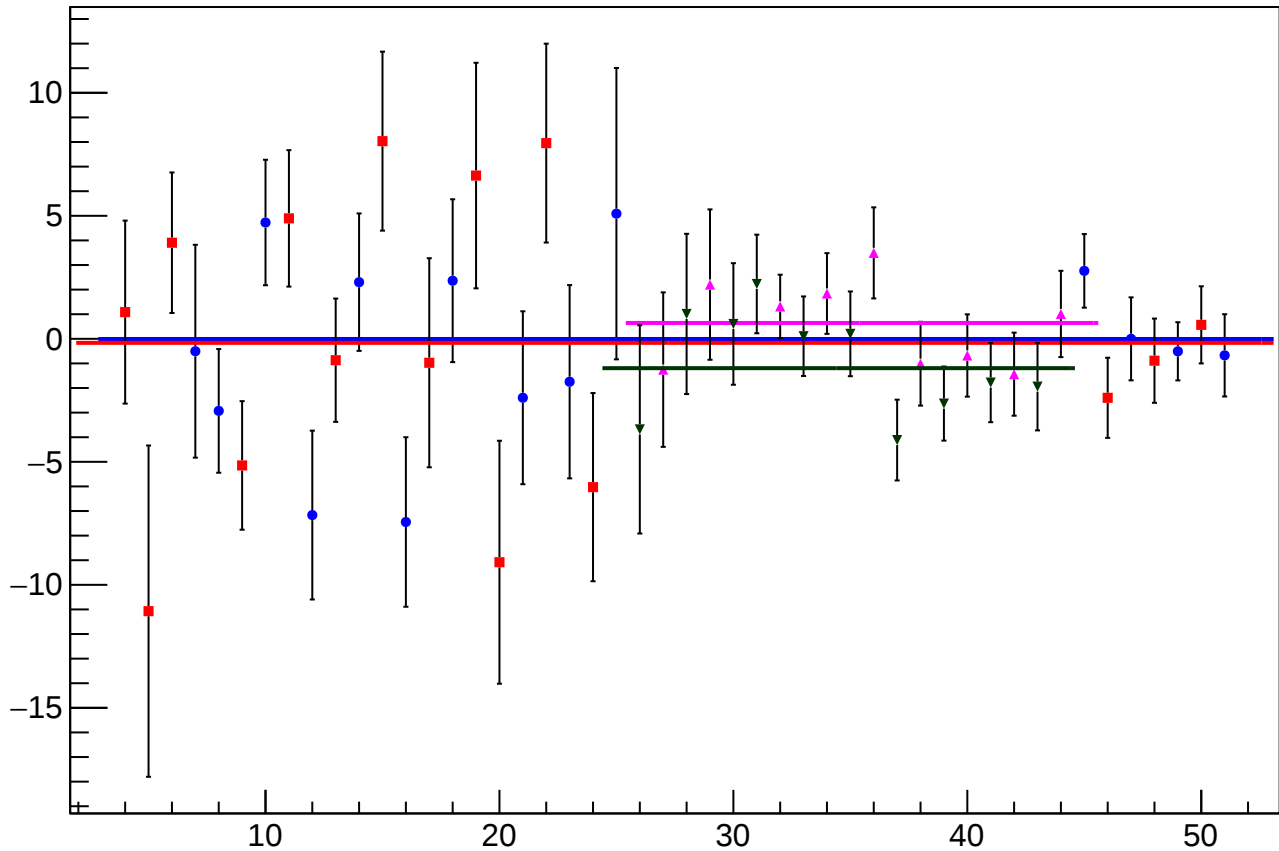
Right Out: 144.979+/-0.039 χ^2/NDF : 1381168.2/14

Left In: 119.054+/-0.036 χ^2/NDF :376220.0/8

144.226+/-0.028 χ^2/NDF : 1611928.1/23

131.280+/-0.026 χ^2/NDF : 1996545.1/23

asym_cav4bQ_mean vs slug



Right In: -0.007 ± 0.598 $\chi^2/\text{NDF}: 20.2/13$

Left Out: -1.193 ± 0.598 $\chi^2/\text{NDF}: 9.9/9$

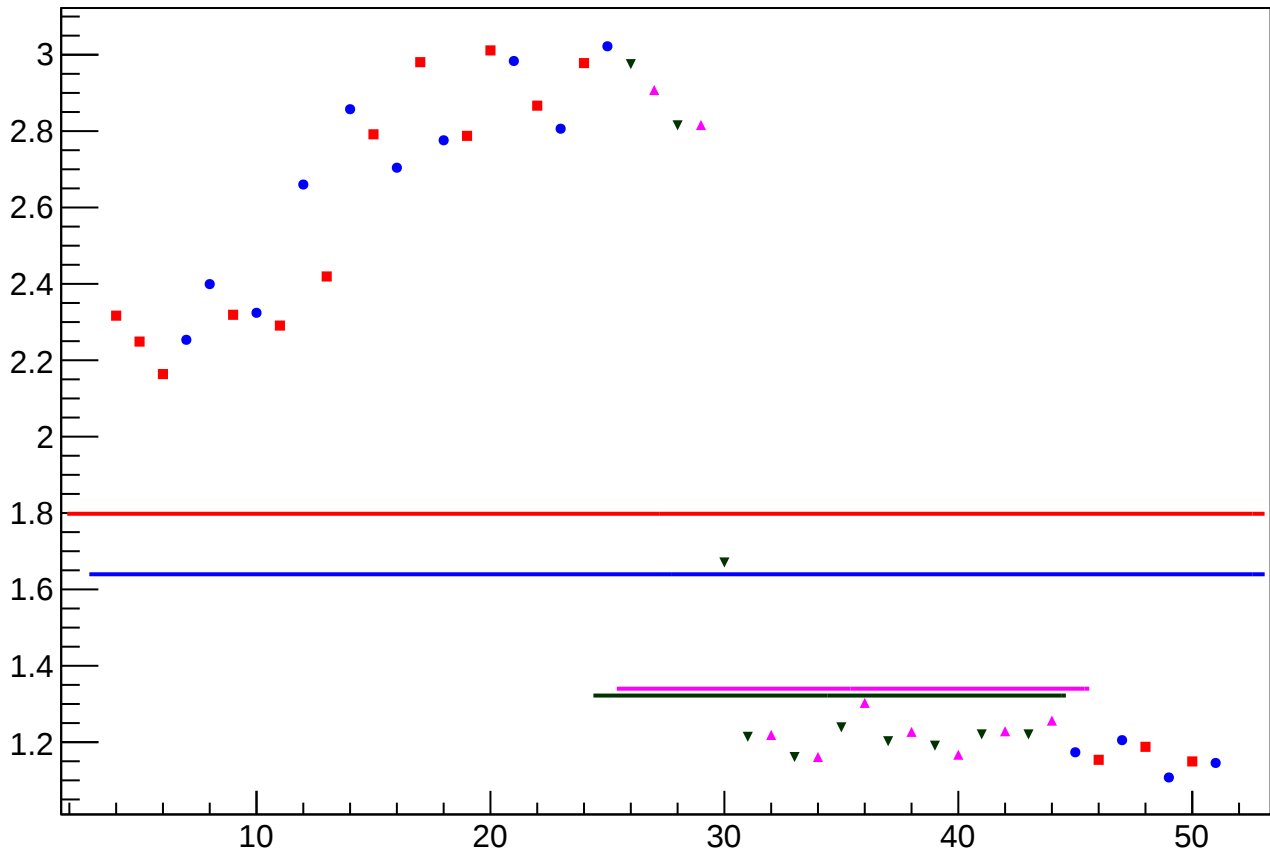
Right Out: -0.164 ± 0.686 $\chi^2/\text{NDF}: 31.1/14$

Left In: 0.645 ± 0.592 $\chi^2/\text{NDF}: 6.9/8$

-0.600 ± 0.423 $\chi^2/\text{NDF}: 32.1/23$

0.300 ± 0.448 $\chi^2/\text{NDF}: 38.8/23$

asym_cav4bQ_rms vs slug



Right In: 1.640+/-0.000 χ^2/NDF : 2834704.1/13

Left Out: 1.322+/-0.000 χ^2/NDF : 835682.2/9

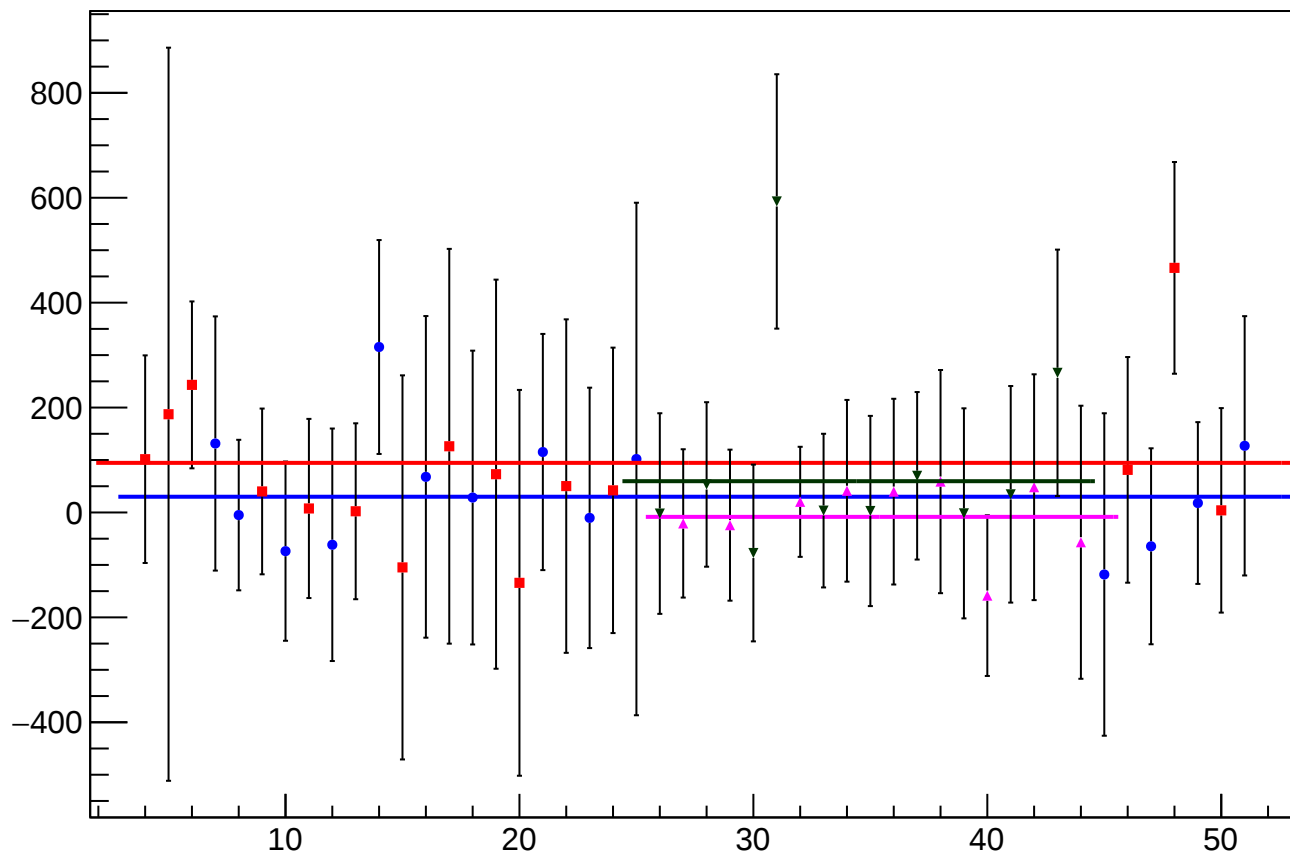
Right Out: 1.798+/-0.000 χ^2/NDF : 2103886.2/14

Left In: 1.340+/-0.000 χ^2/NDF : 1050714.6/8

1.481+/-0.000 χ^2/NDF : 3952459.1/23

1.536+/-0.000 χ^2/NDF : 3665853.2/23

asym_cav4cQ_mean vs slug



Right In: 29.992 ± 57.219 χ^2/NDF : 3.6/13

Left Out: 59.618 ± 57.448 χ^2/NDF : 6.7/9

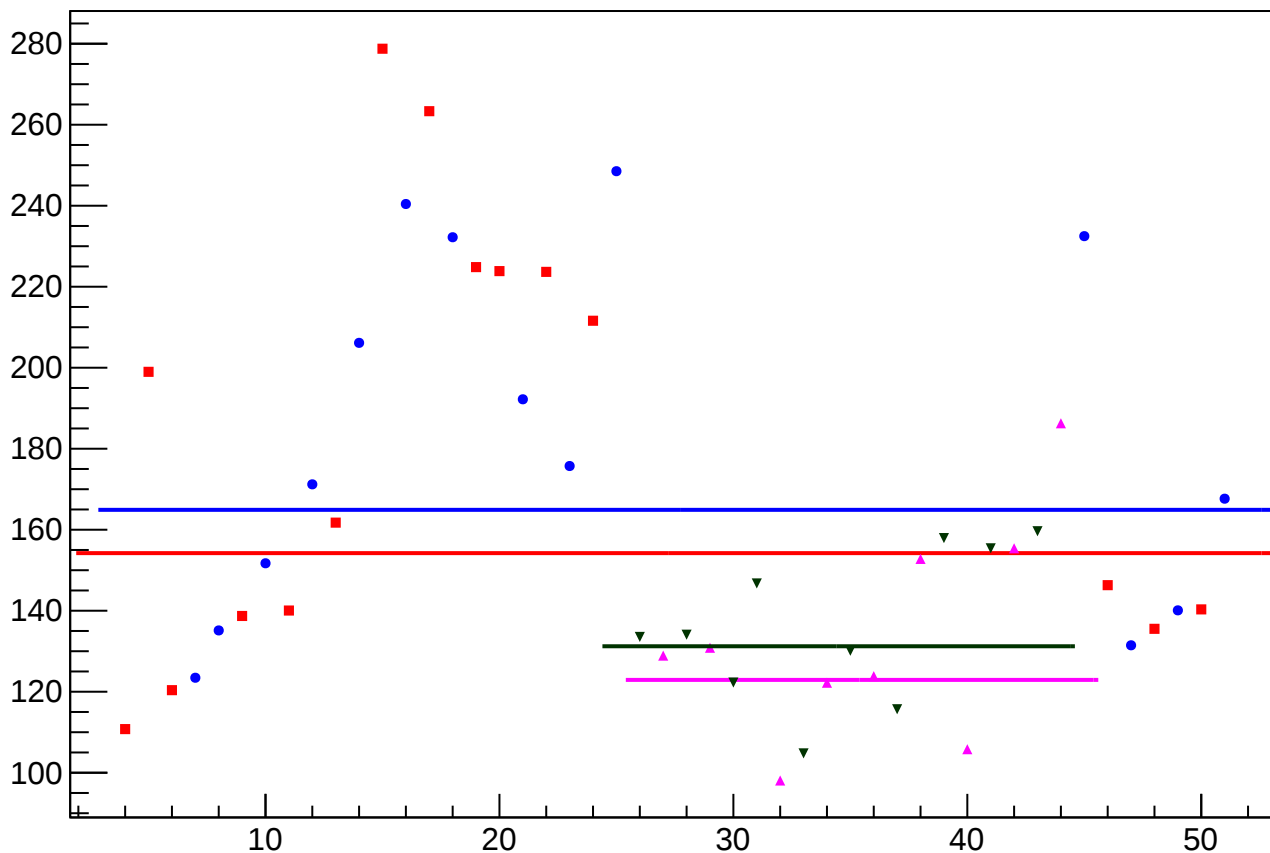
Right Out: 94.566 ± 57.539 χ^2/NDF : 5.9/14

Left In: -8.384 ± 53.045 χ^2/NDF : 1.4/8

44.746 ± 40.541 χ^2/NDF : 10.5/23

38.915 ± 39.001 χ^2/NDF : 9.1/23

asym_cav4cQ_rms vs slug



Right In: 164.910+/-0.040 χ^2/NDF : 781393.4/13

Left Out: 131.224+/-0.041 χ^2/NDF :191308.6/9

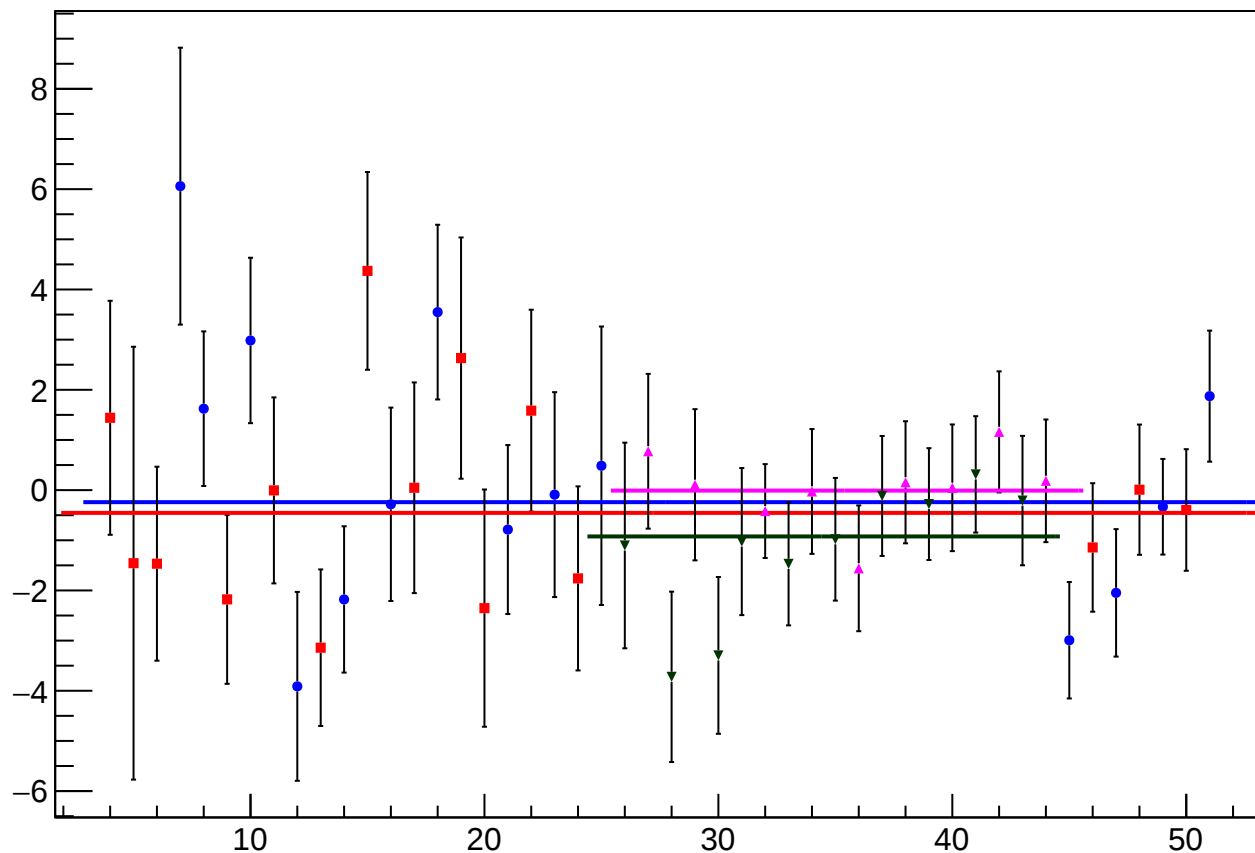
Right Out: 154.221+/-0.041 χ^2/NDF : 990315.4/14

Left In: 122.920+/-0.038 χ^2/NDF :350338.0/8

148.134+/-0.029 χ^2/NDF : 1317905.6/23

137.301+/-0.028 χ^2/NDF : 1660593.4/23

asym_cav4dQ_mean vs slug



Right In: -0.240 $\pm$ 0.407 χ^2/NDF : 31.3/13

Left Out: -0.924 $\pm$ 0.421 χ^2/NDF : 7.5/9

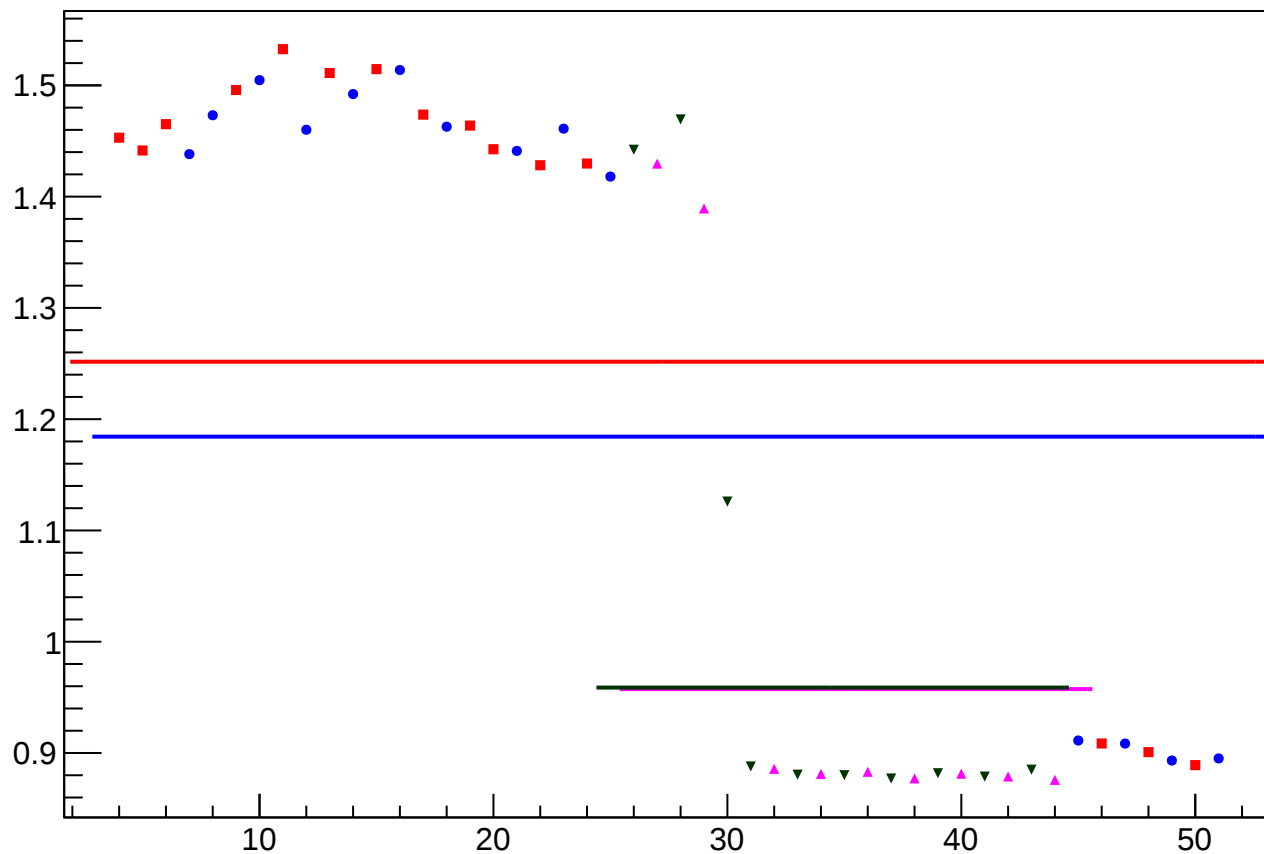
Right Out: -0.454 $\pm$ 0.455 χ^2/NDF : 15.4/14

Left In: -0.010 $\pm$ 0.410 χ^2/NDF : 3.0/8

-0.570 $\pm$ 0.293 χ^2/NDF : 40.1/23

-0.209 $\pm$ 0.305 χ^2/NDF : 18.8/23

asym_cav4dQ_rms vs slug



Right In: 1.184+/-0.000 χ^2/NDF : 990960.1/13

Left Out: 0.959+/-0.000 χ^2/NDF : 370902.6/9

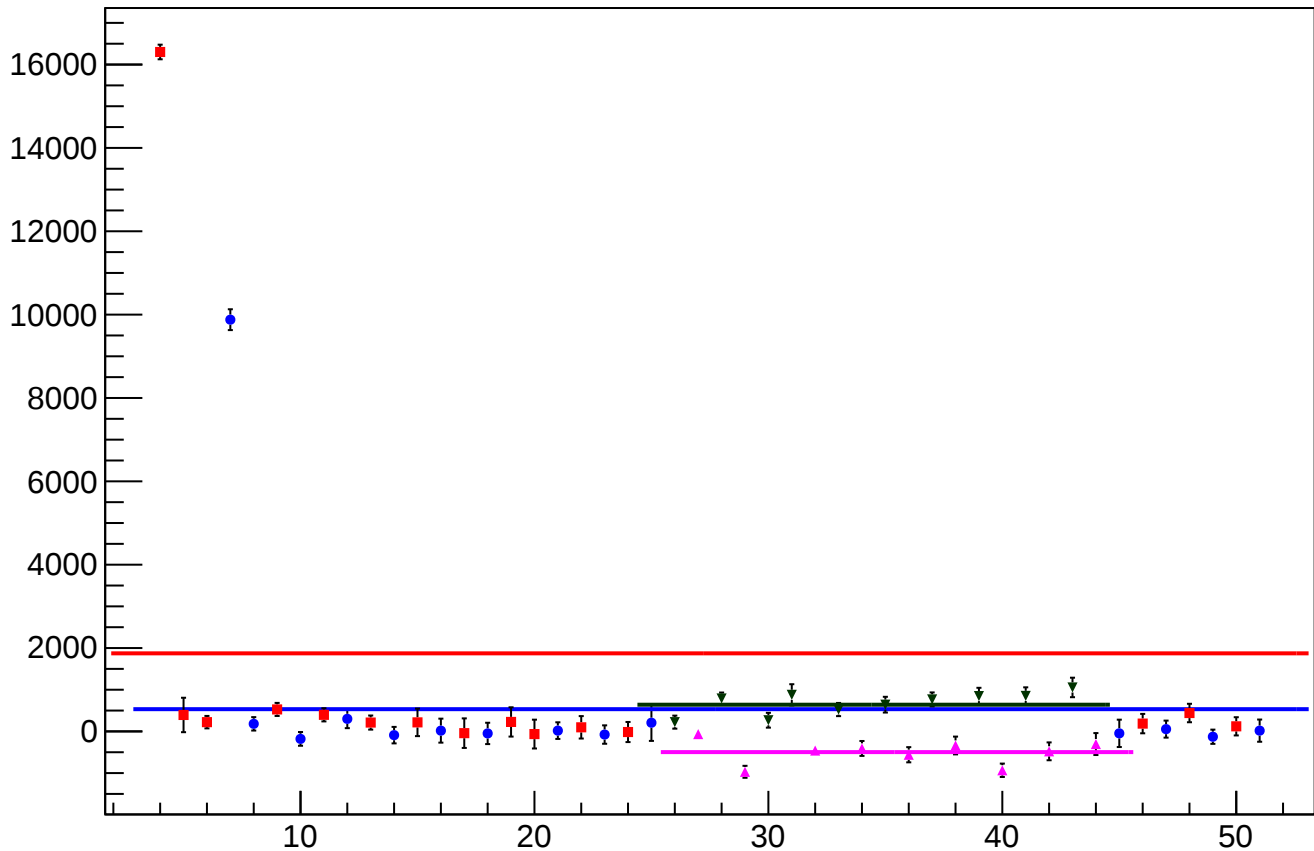
Right Out: 1.252+/-0.000 χ^2/NDF : 775729.2/14

Left In: 0.957+/-0.000 χ^2/NDF : 411162.2/8

1.075+/-0.000 χ^2/NDF : 1658488.7/23

1.089+/-0.000 χ^2/NDF : 1647779.5/23

asym_bcm0l02_mean vs slug



Right In: 533.383 ± 58.012 χ^2/NDF : 1483.1/13

Left Out: 640.376 ± 56.927 χ^2/NDF : 19.9/9

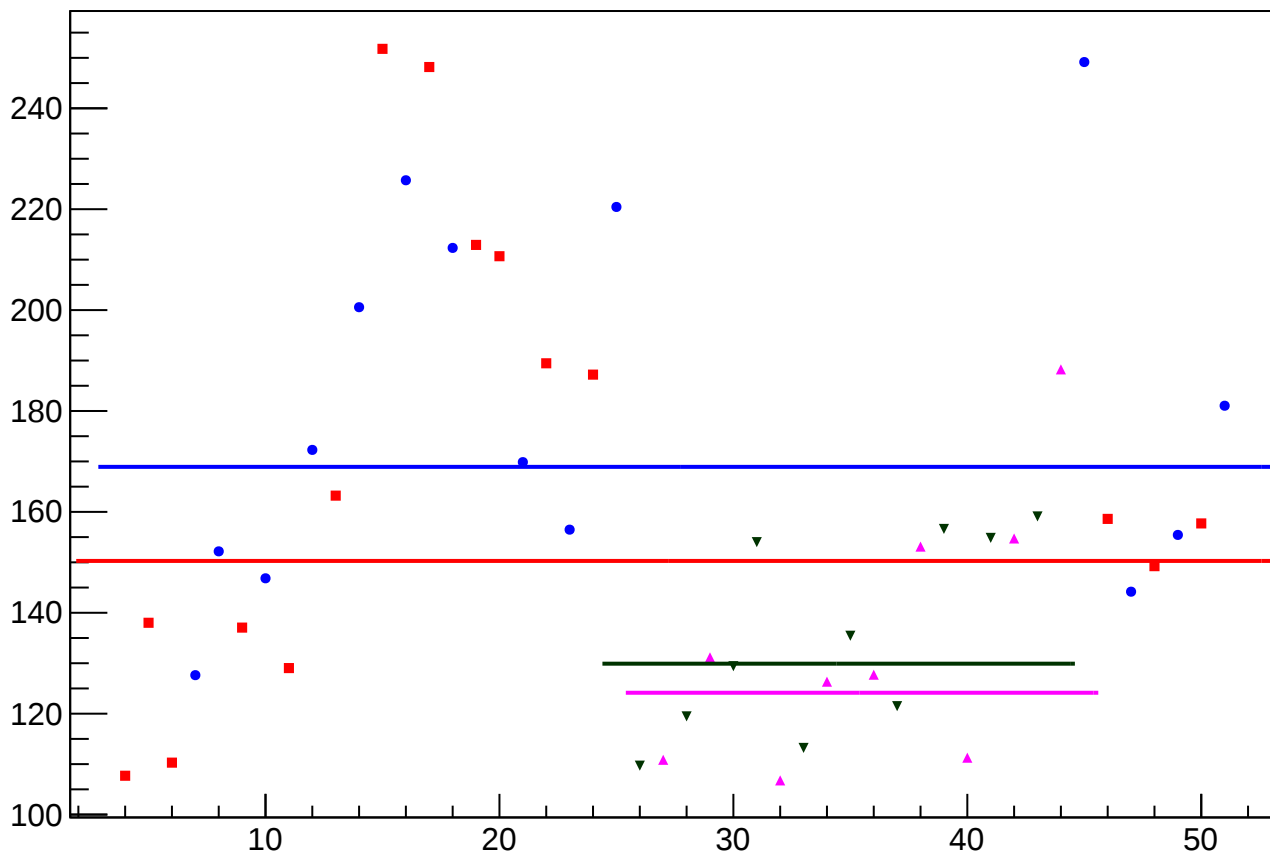
587.890 ± 40.632 χ^2/NDF : 1504.8/23

Right Out: 1872.822 ± 55.613 χ^2/NDF : 7524.6/14

Left In: -496.812 ± 53.314 χ^2/NDF : 32.4/8

638.018 ± 38.486 χ^2/NDF : 8503.1/23

asym_bcm0l02_rms vs slug



Right In: 168.926+/-0.041 χ^2/NDF : 499381.2/13

Left Out: 129.911+/-0.040 χ^2/NDF :188039.4/9

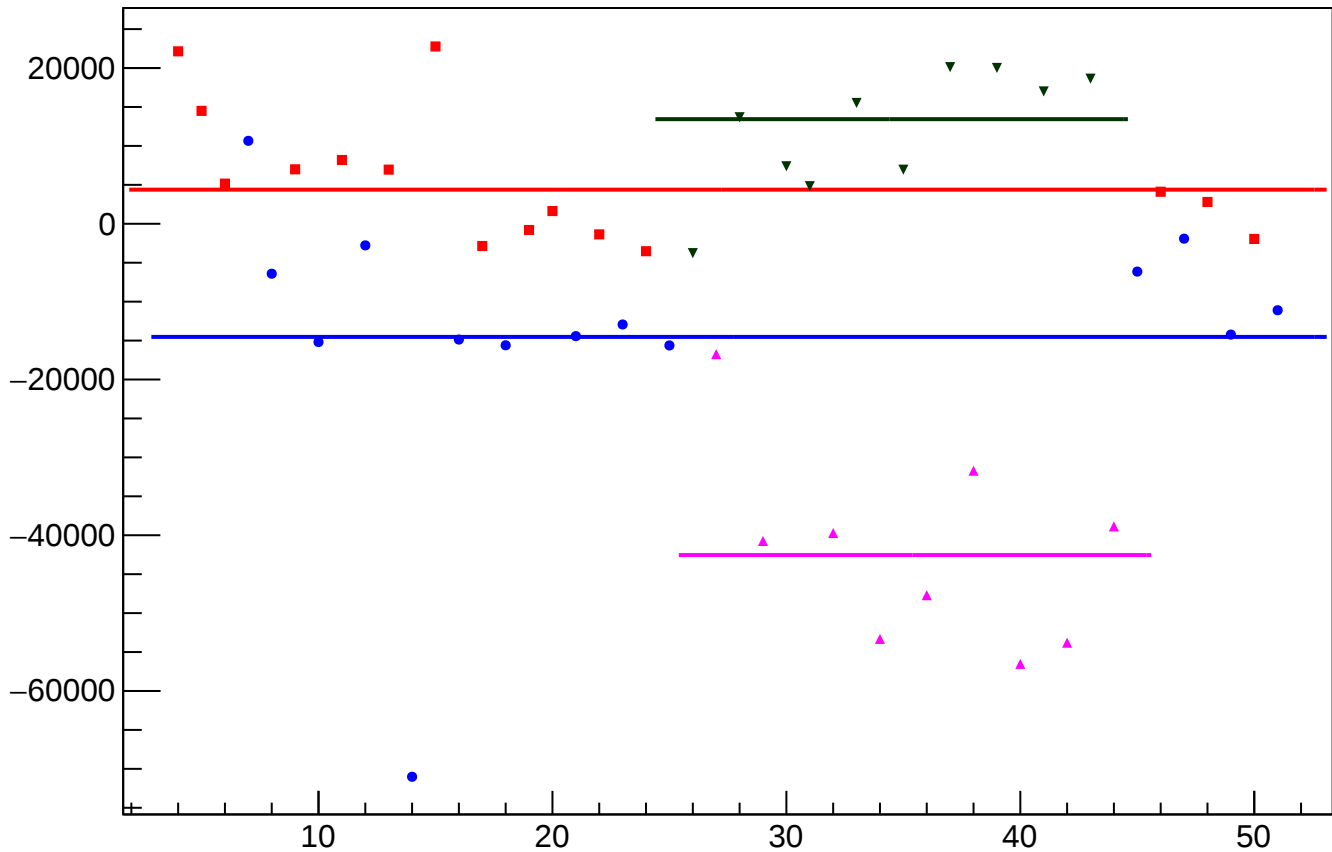
Right Out: 150.278+/-0.039 χ^2/NDF : 885390.5/14

Left In: 124.148+/-0.038 χ^2/NDF :285531.8/8

149.050+/-0.029 χ^2/NDF : 1148253.8/23

136.662+/-0.027 χ^2/NDF : 1400996.2/23

asym_bpm2i01WS_mean vs slug



Right In: -14527.538+/-37.383 χ^2/NDF : 220087.3/13

Left Out: 13435.021+/-42.371 χ^2/NDF : 28229.6/9

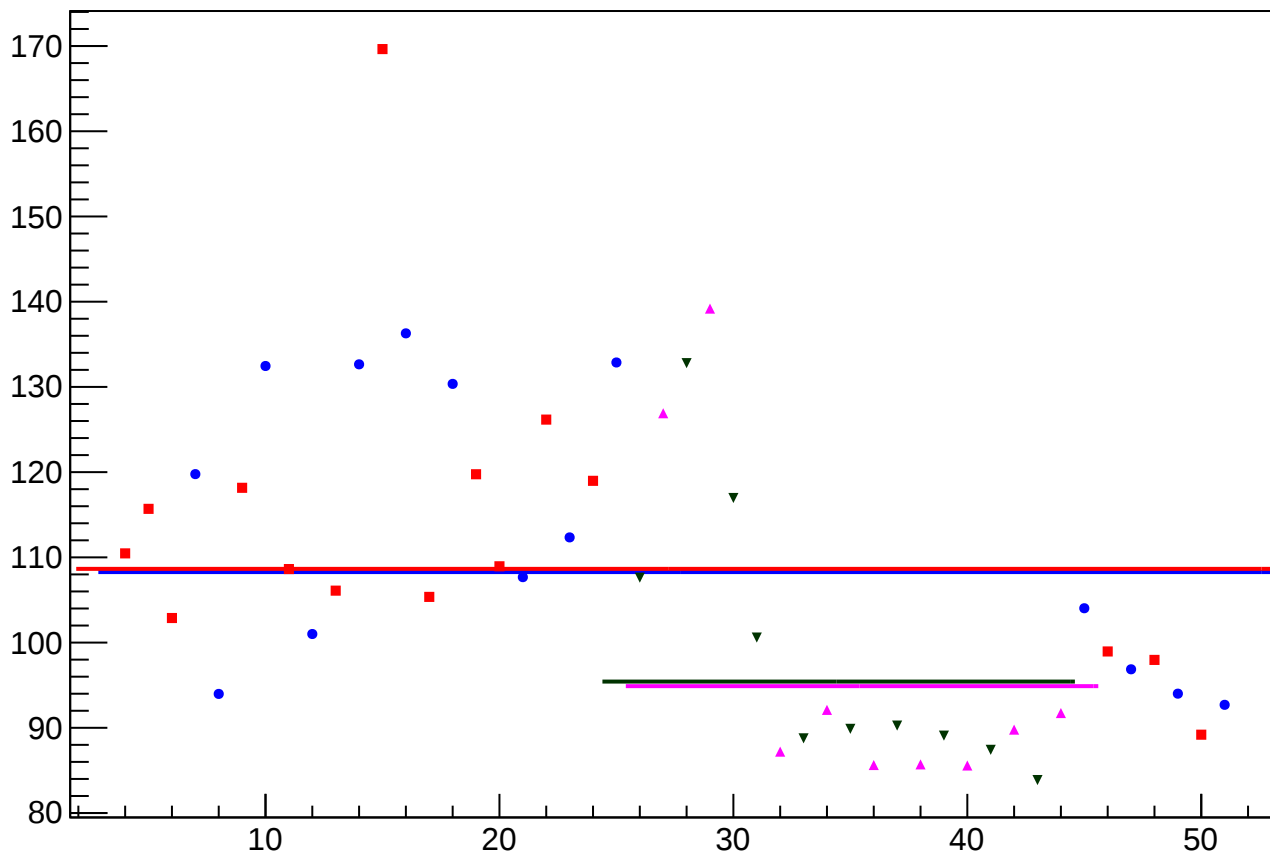
-2288.338+/-28.032 χ^2/NDF : 493210.5/23

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: 108.273+/-0.026 χ^2/NDF : 355207.8/13

Left Out: 95.426+/-0.030 χ^2/NDF :200660.2/9

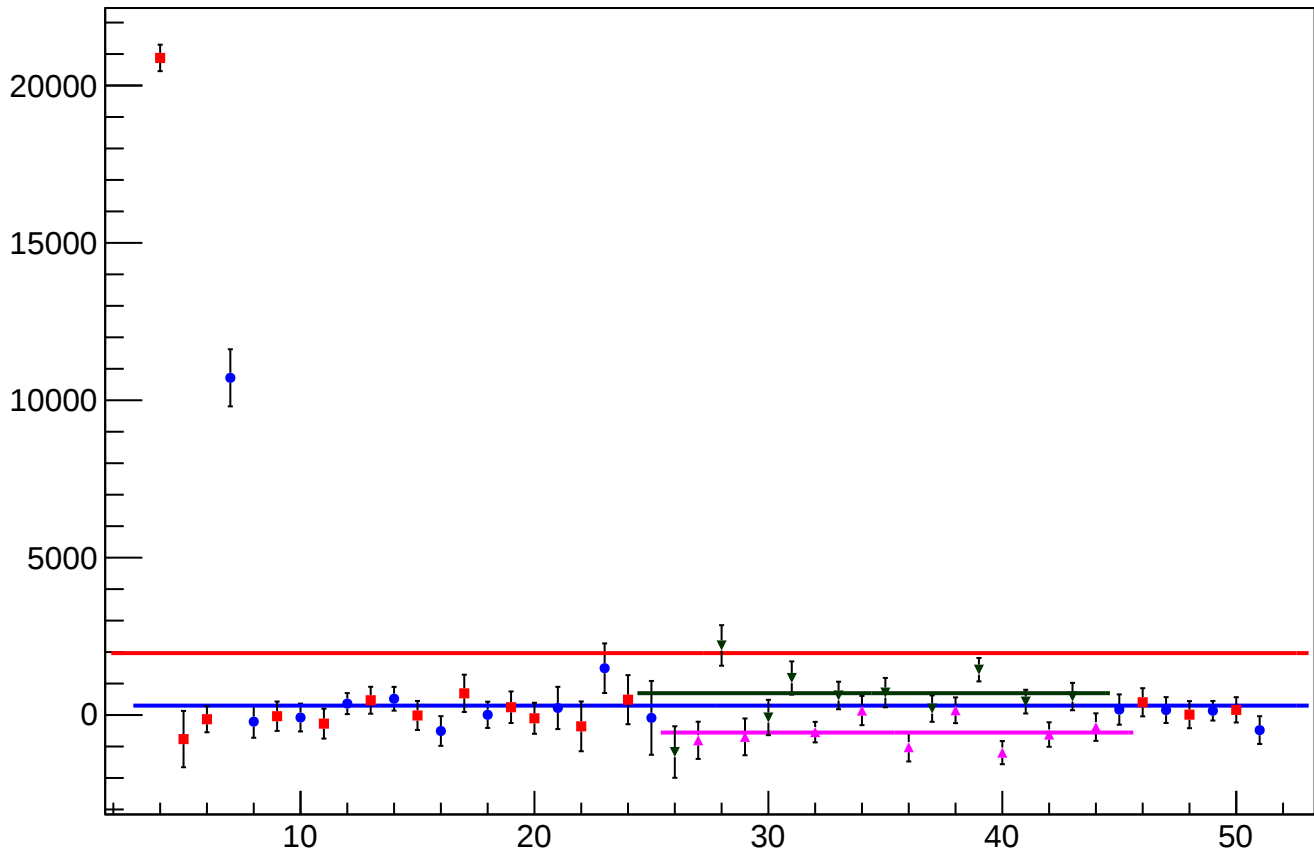
Right Out: 108.651+/-0.028 χ^2/NDF : 256915.9/14

Left In: 94.889+/-0.029 χ^2/NDF :314634.4/8

102.650+/-0.020 χ^2/NDF : 659261.3/23

102.045+/-0.020 χ^2/NDF : 686281.2/23

asym_bpm0i07WS_mean vs slug



Right In: 298.844+/-122.564 χ^2/NDF : 143.2/13

Left Out: 693.815+/-147.932 χ^2/NDF : 19.5/9

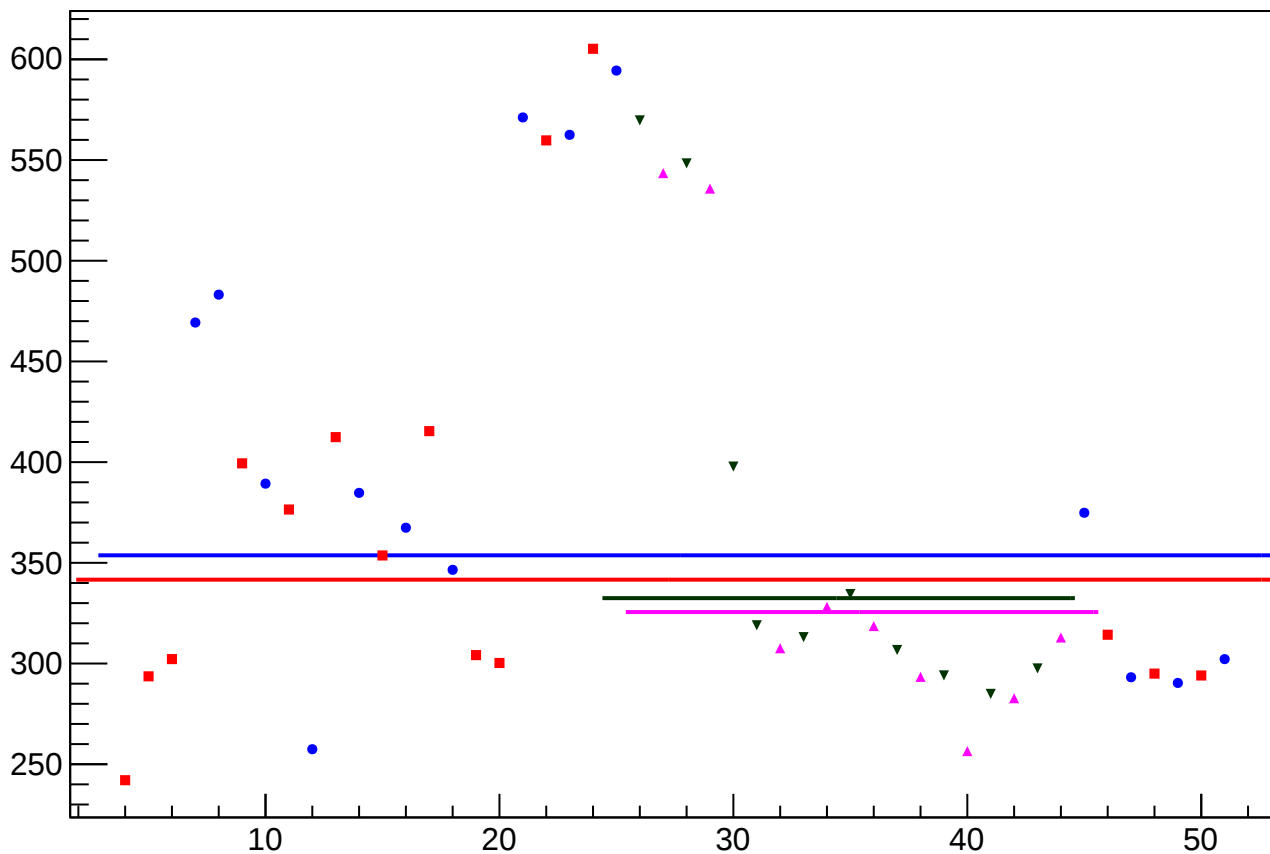
459.611+/-94.379 χ^2/NDF : 166.9/23

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: 353.728 ± 0.087 χ^2/NDF : 946331.9/13

Left Out: 332.466 ± 0.105 χ^2/NDF : 498518.7/9

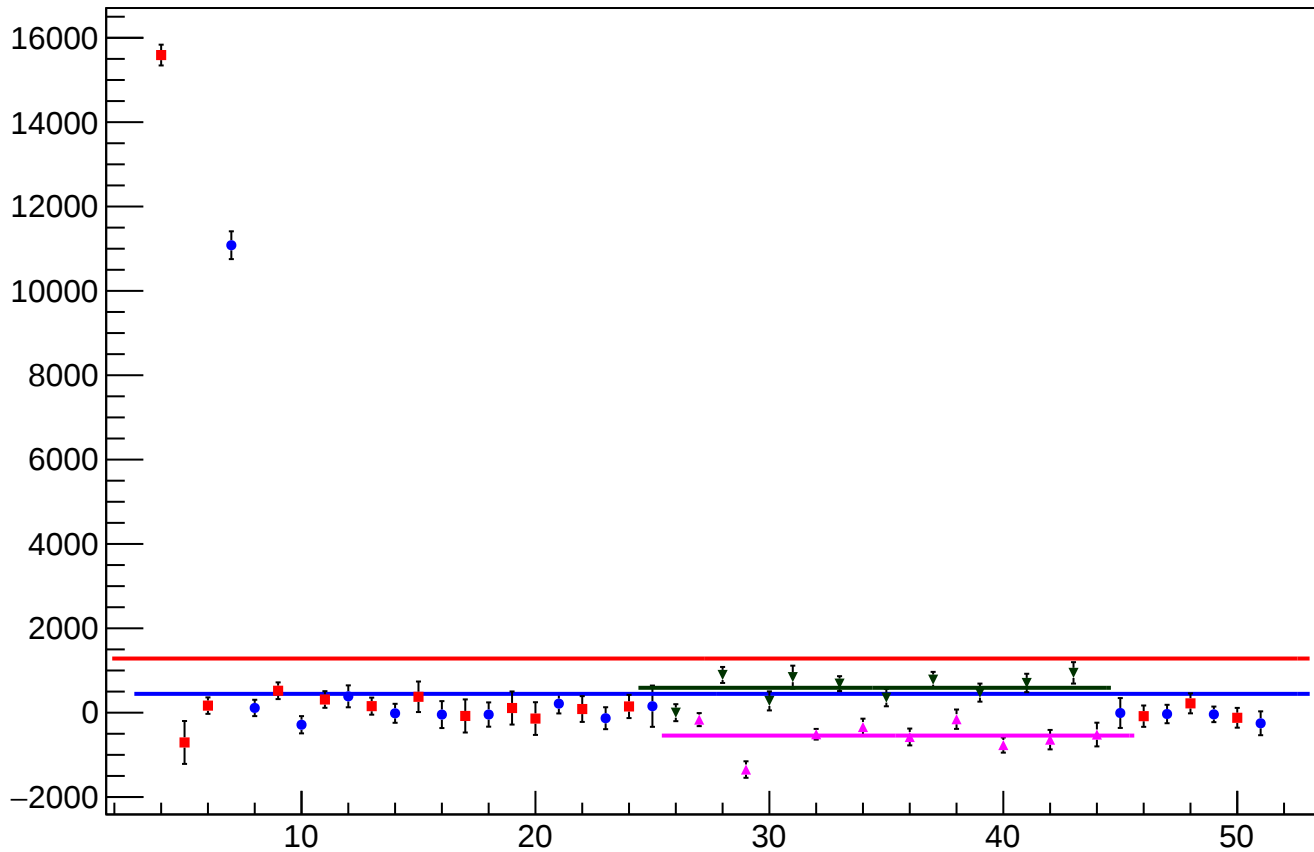
Right Out: 341.644 ± 0.089 χ^2/NDF : 729237.0/14

Left In: 325.557 ± 0.100 χ^2/NDF : 646591.2/8

345.074 ± 0.067 χ^2/NDF : 1469350.1/23

334.513 ± 0.067 χ^2/NDF : 1390200.9/23

asym_bpm0l01WS_mean vs slug



Right In: 446.178 ± 66.732 $\chi^2/\text{NDF}: 1092.1/13$

Left Out: 589.690 ± 66.057 $\chi^2/\text{NDF}: 19.1/9$

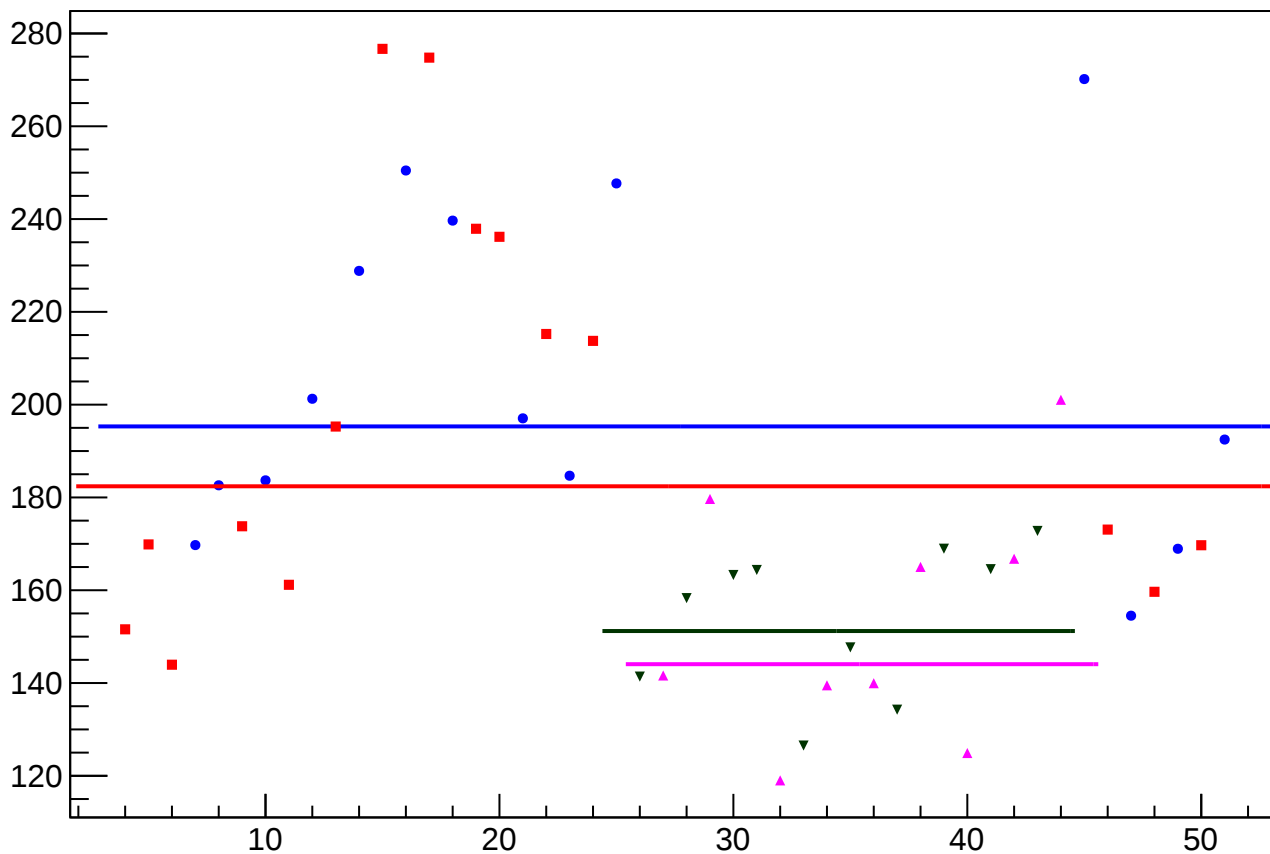
518.663 ± 46.946 $\chi^2/\text{NDF}: 1113.6/23$

Right Out: 1283.635 ± 66.641 $\chi^2/\text{NDF}: 3648.8/14$

300.840 ± 45.293 $\chi^2/\text{NDF}: 4081.6/23$

Left In: -542.908 ± 61.747 $\chi^2/\text{NDF}: 28.6/8$

asym_bpm0l01WS_rms vs slug



Right In: 195.309+/-0.047 χ^2/NDF : 406394.7/13

Left Out: 151.207+/-0.047 χ^2/NDF :110209.2/9

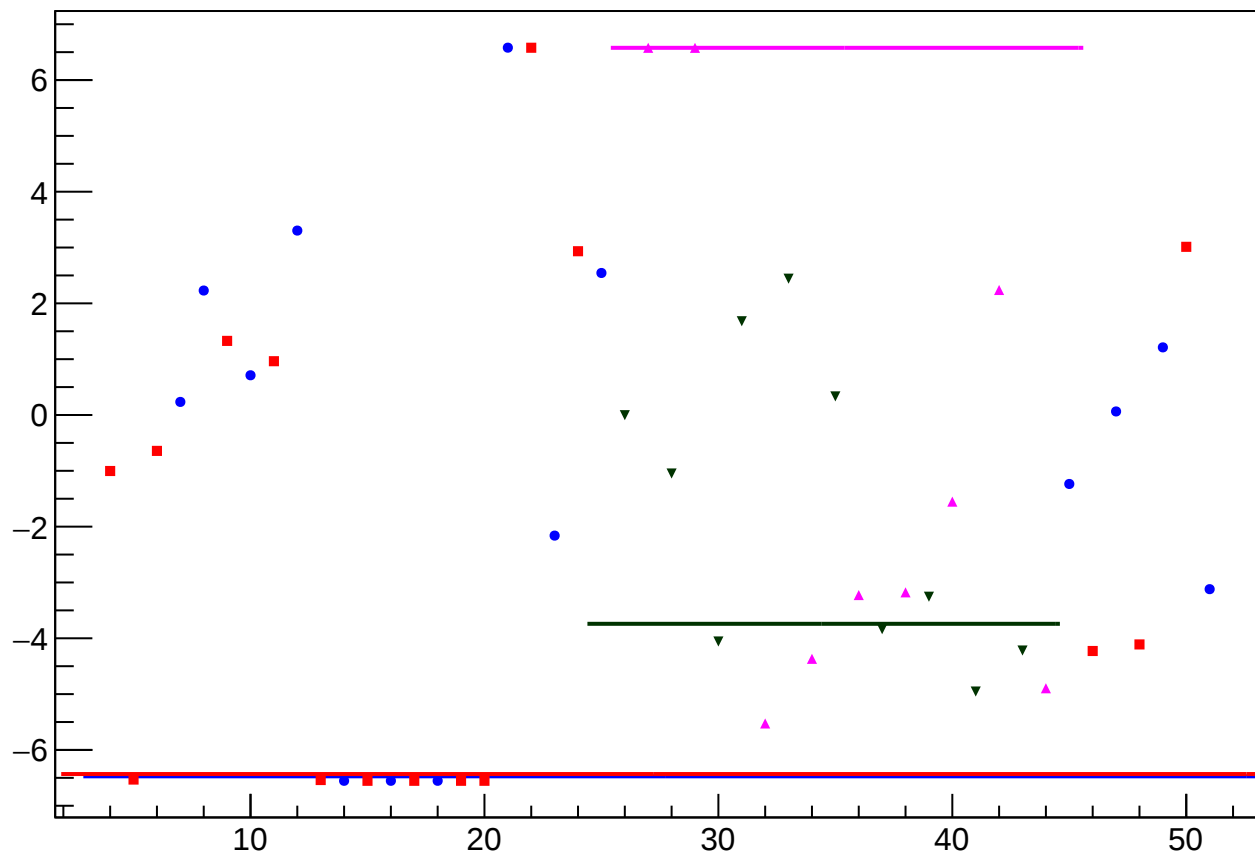
Right Out: 182.404+/-0.047 χ^2/NDF : 546394.1/14

Left In: 144.061+/-0.044 χ^2/NDF :287746.6/8

173.034+/-0.033 χ^2/NDF : 957812.8/23

161.773+/-0.032 χ^2/NDF : 1190383.4/23

yield_cav4bX_mean vs slug



Right In: -6.473+/-0.000 χ^2/NDF : 127847940156175.7/13

Left Out: -3.741+/-0.001 χ^2/NDF : 5731885.1/9

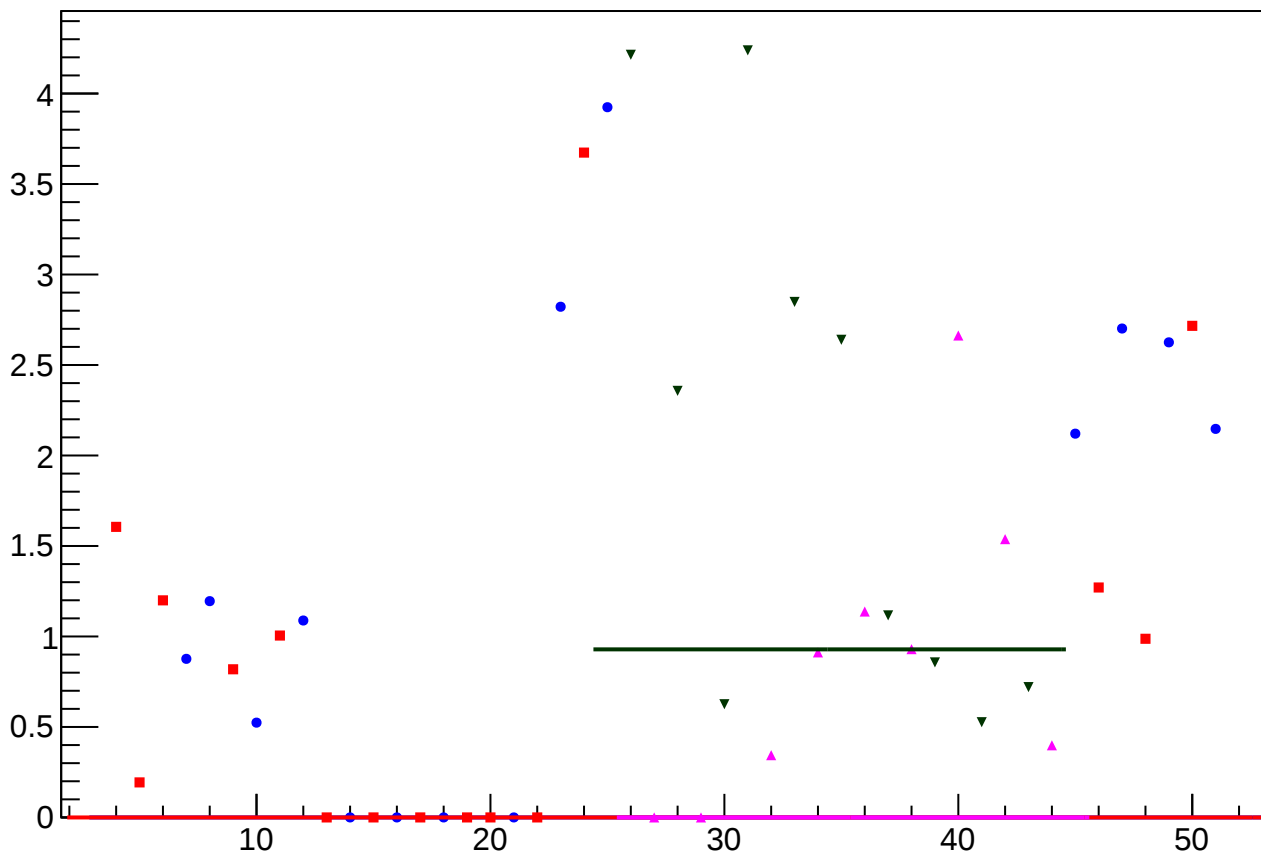
Right Out: -6.432+/-0.000 χ^2/NDF : 150837608834791.9/14

Left In: 6.578+/-0.000 χ^2/NDF : 822807717.8/8

-6.473+/-0.000 χ^2/NDF : 127847964539057.8/2

-6.315+/-0.000 χ^2/NDF : 297092118257902.2/2

yield_cav4bX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 8182256.1/13

Left Out: 0.929+/-0.000 χ^2/NDF :2482114.1/9

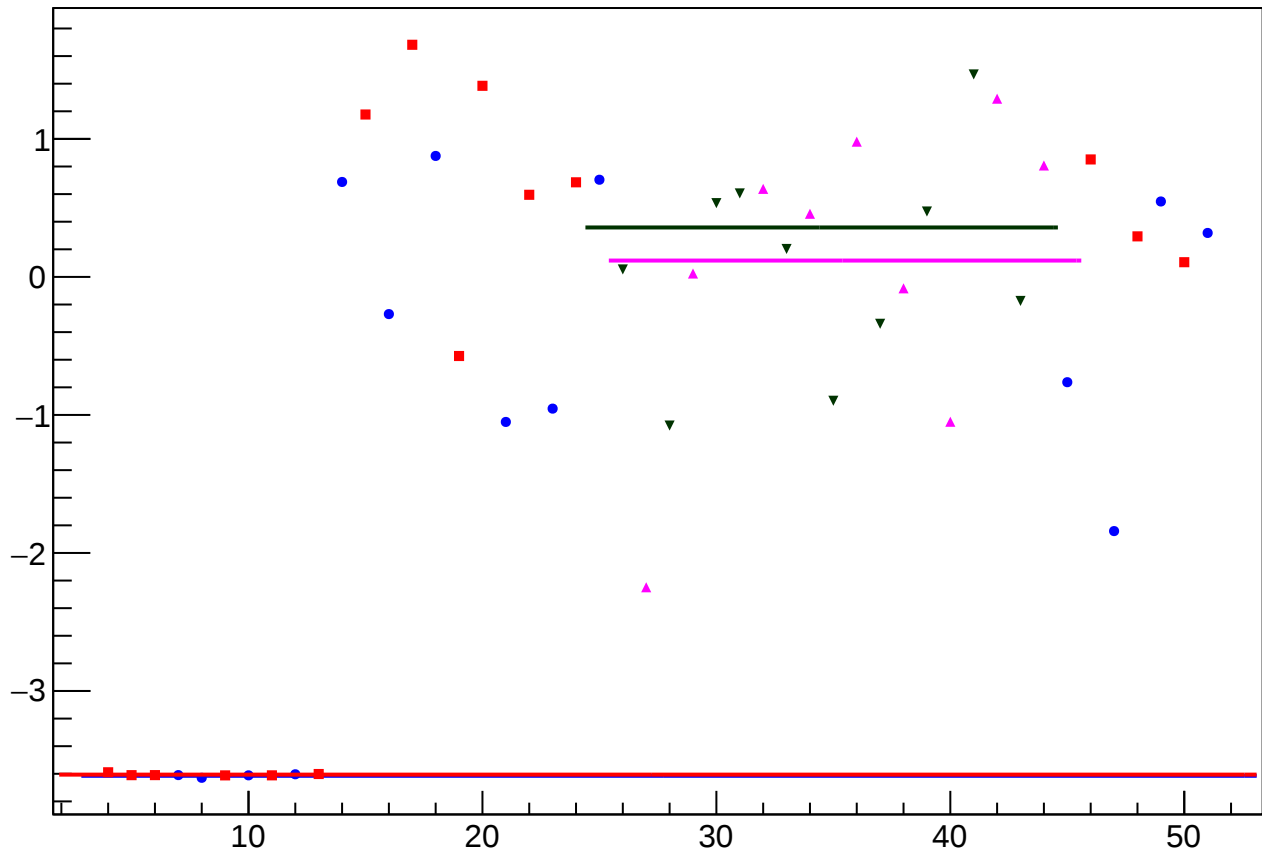
Right Out: 0.000+/-0.000 χ^2/NDF : 6066110.0/14

Left In: 0.000+/-0.000 χ^2/NDF :4631448.1/8

0.000+/-0.000 χ^2/NDF : 14973849.8/23

0.000+/-0.000 χ^2/NDF : 10697652.8/23

yield_cav4bY_mean vs slug



Right In: -3.614 ± 0.000 χ^2/NDF : 49079316791.7/13

-3.614 ± 0.000 χ^2/NDF : 49233558082.9/23

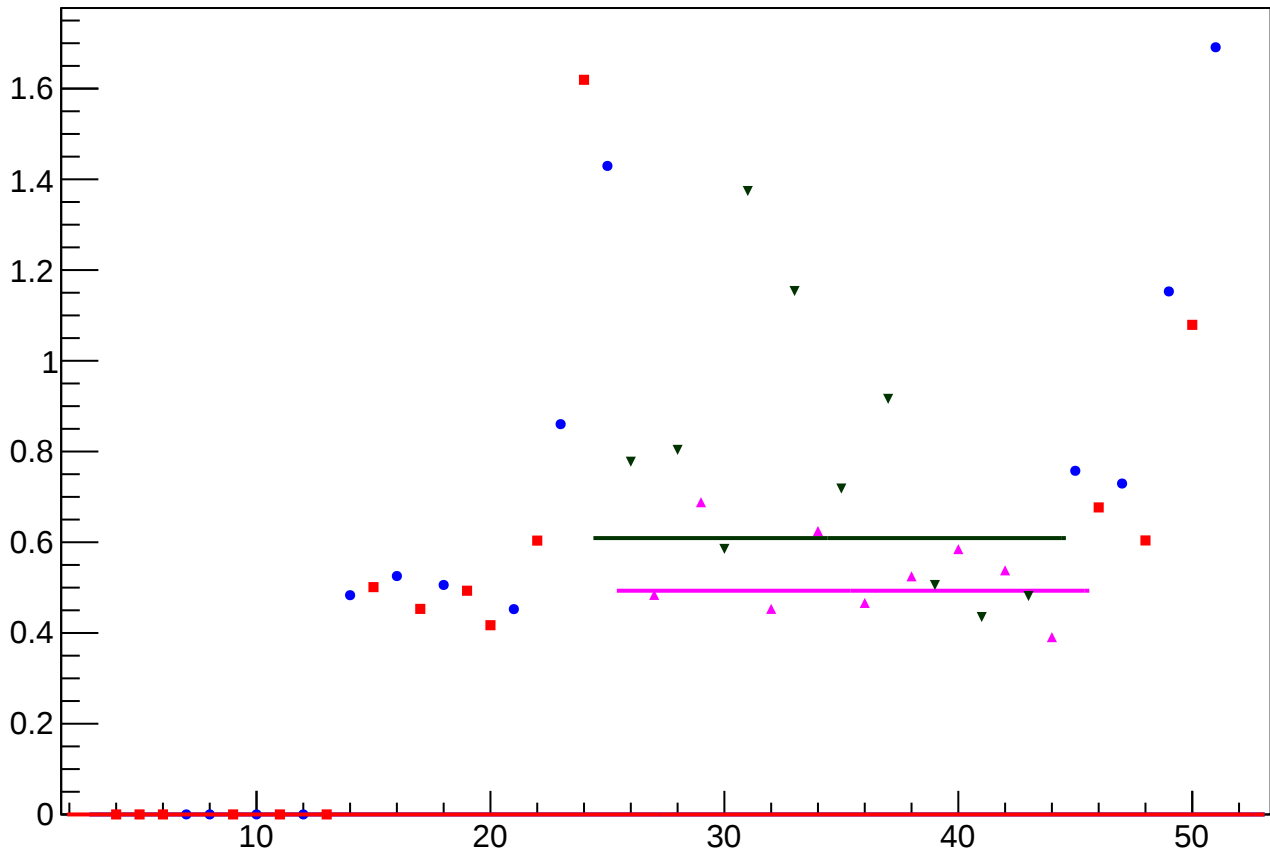
Left Out: 0.358 ± 0.000 χ^2/NDF : 6673360.6/9

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 : 9277525.9/13

Left Out: 0.609+/-0.000 χ^2/NDF : 799340.0/9

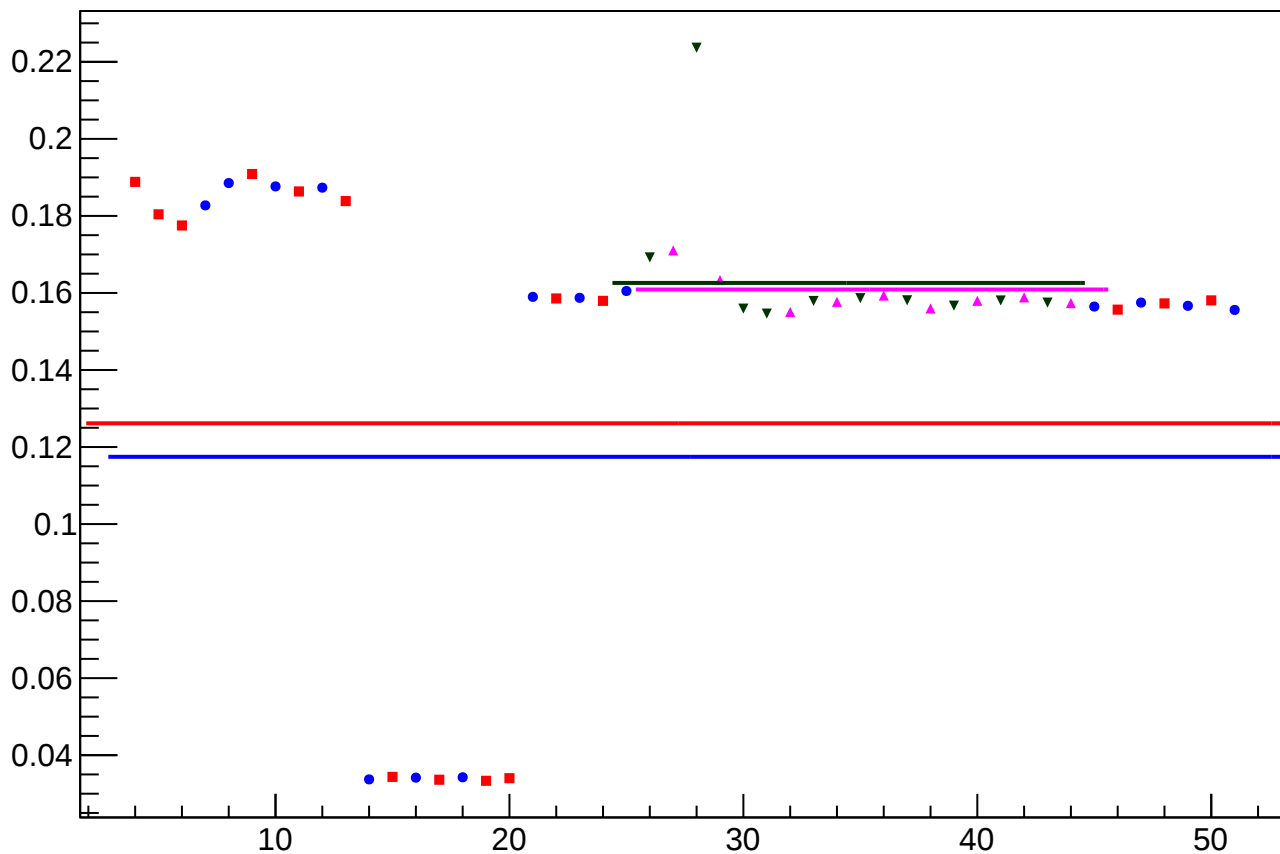
0.000+/-0.000 χ^2/NDF : 17014897.9/23

Right Out: 0.000+/-0.000 χ^2/NDF : 6499470.3/14

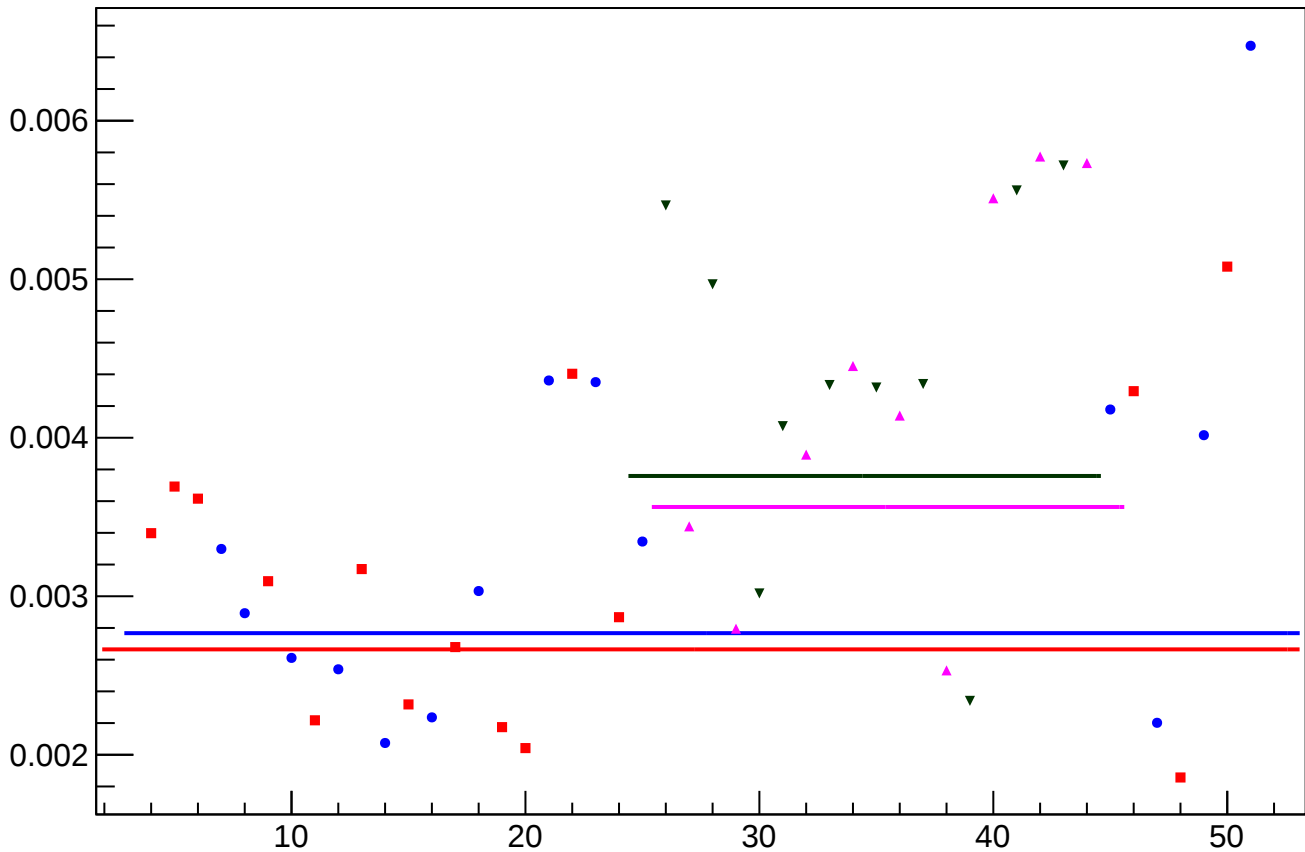
0.000+/-0.000 χ^2/NDF : 14404303.6/23

Left In: 0.493+/-0.000 χ^2/NDF : 214040.2/8

yield_cav4cX_mean vs slug



yield_cav4cX_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 1282316.1/13

Left Out: 0.004+/-0.000 χ^2/NDF : 884952.0/9

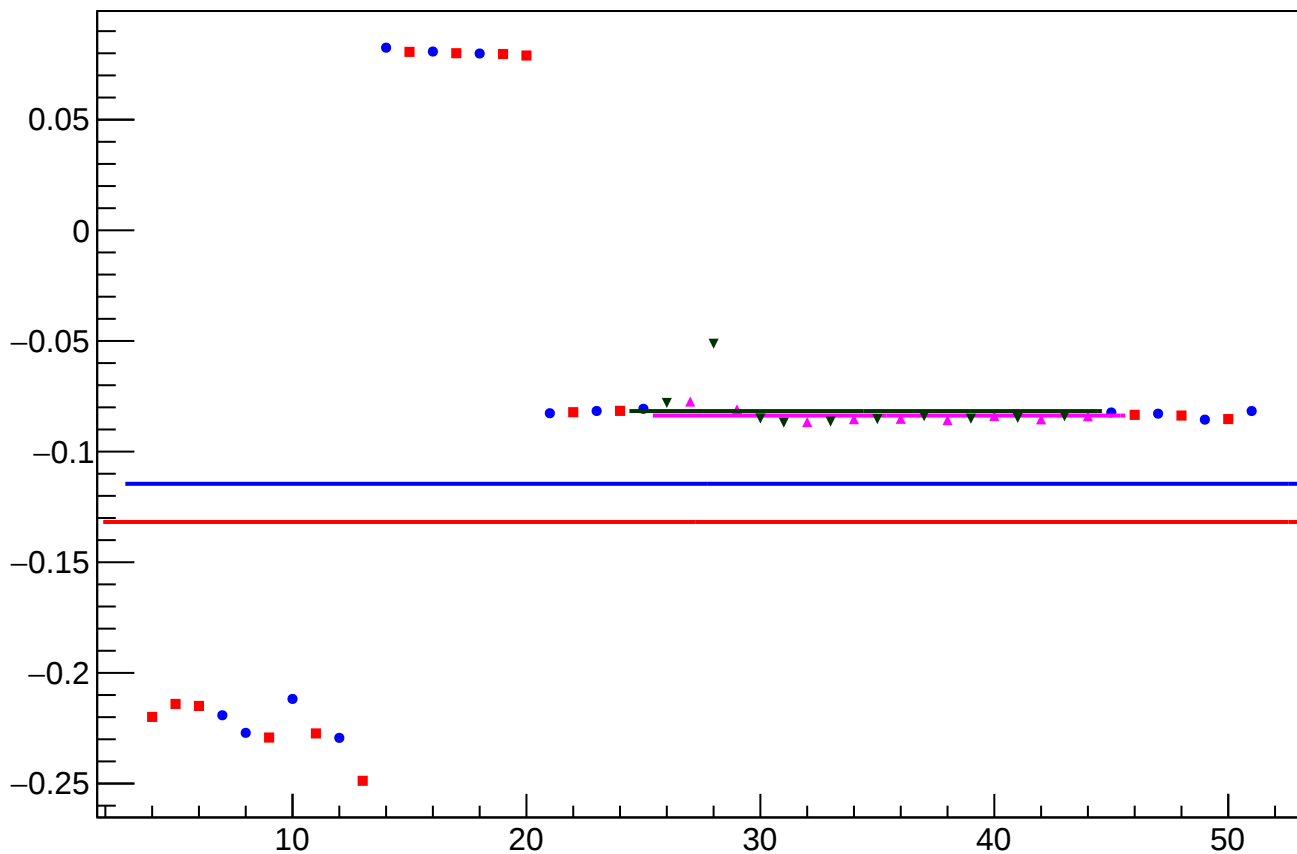
Right Out: 0.003+/-0.000 χ^2/NDF : 1046165.5/14

Left In: 0.004+/-0.000 χ^2/NDF : 752035.9/8

0.003+/-0.000 χ^2/NDF : 2650205.4/23

0.003+/-0.000 χ^2/NDF : 2244332.0/23

yield_cav4cY_mean vs slug



Right In: -0.115+/-0.000 χ^2/NDF : 9665581891.2/13

Left Out: -0.082+/-0.000 χ^2/NDF : 35856752.9/9

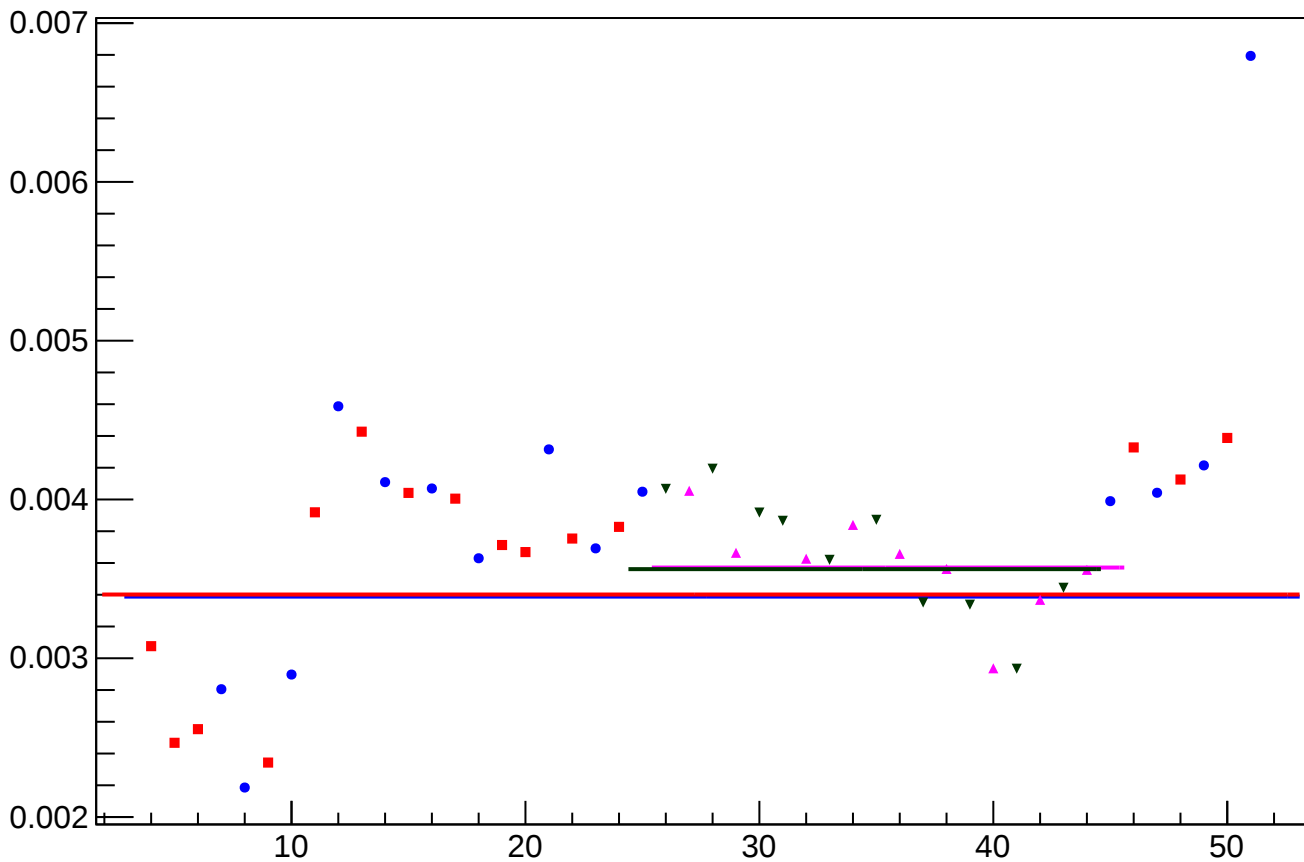
Right Out: -0.132+/-0.000 χ^2/NDF : 8823184730.9/14

Left In: -0.084+/-0.000 χ^2/NDF : 3521413.4/8

-0.103+/-0.000 χ^2/NDF : 9973548515.5/23

-0.112+/-0.000 χ^2/NDF : 9407939052.0/23

yield_cav4cY_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 1173210.7/13

Left Out: 0.004+/-0.000 χ^2/NDF :124023.6/9

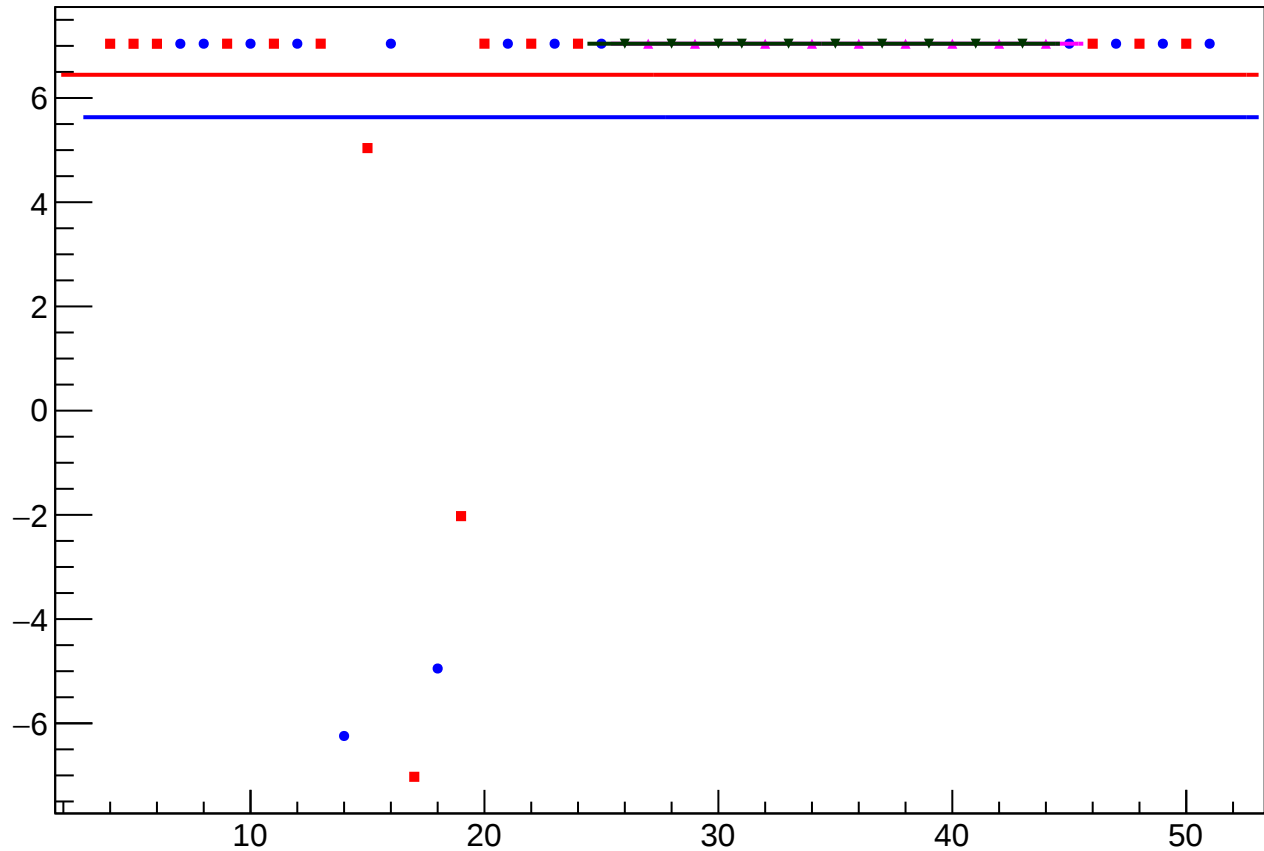
Right Out: 0.003+/-0.000 χ^2/NDF : 756800.4/14

Left In: 0.004+/-0.000 χ^2/NDF :79207.1/8

0.003+/-0.000 χ^2/NDF : 1312301.9/23

0.003+/-0.000 χ^2/NDF : 850516.1/23

yield_cav4dX_mean vs slug



Right In: 5.631+/-0.000 χ^2/NDF : 4488413270093942.0/13

Left Out: 7.042+/-0.000 χ^2/NDF : 765209.6/9

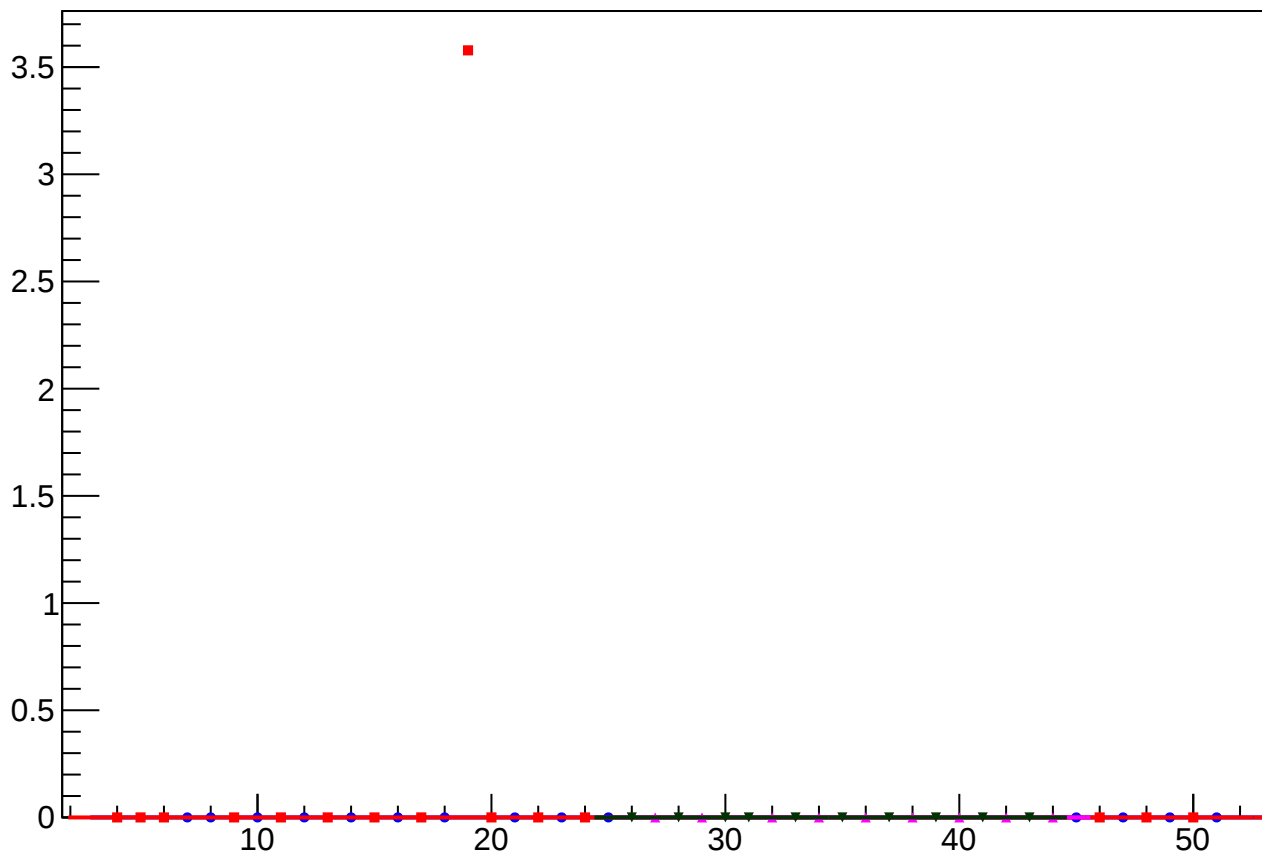
6.231+/-0.000 χ^2/NDF : 4719813080548281.0/2

Right Out: 6.445+/-0.000 χ^2/NDF : 1837615588527275.2/14

6.732+/-0.000 χ^2/NDF : 1877899146413095.8/2

Left In: 7.042+/-0.000 χ^2/NDF : 540646.4/8

yield_cav4dX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 3360.6/13

Left Out: 0.000+/-0.000 χ^2/NDF :1535.6/9

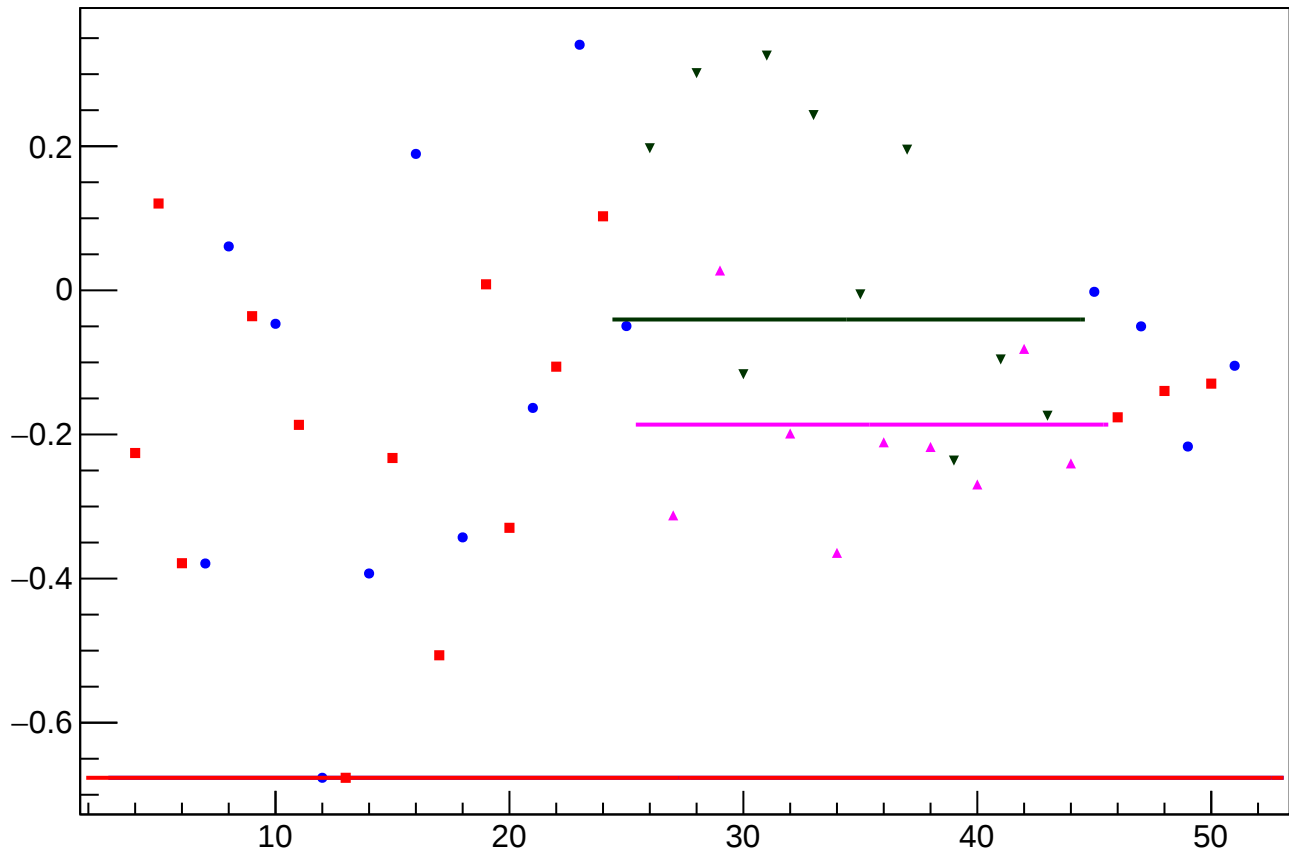
Right Out: 0.000+/-0.000 χ^2/NDF : 697040.0/14

Left In: 0.000+/-0.000 χ^2/NDF :1769.6/8

0.000+/-0.000 χ^2/NDF : 6221.3/23

0.000+/-0.000 χ^2/NDF : 702236.1/23

yield_cav4dY_mean vs slug



Right In: -0.676+/-0.000 χ^2/NDF : 258515079.5/13

Left Out: -0.040+/-0.000 χ^2/NDF : 16704113.3/9

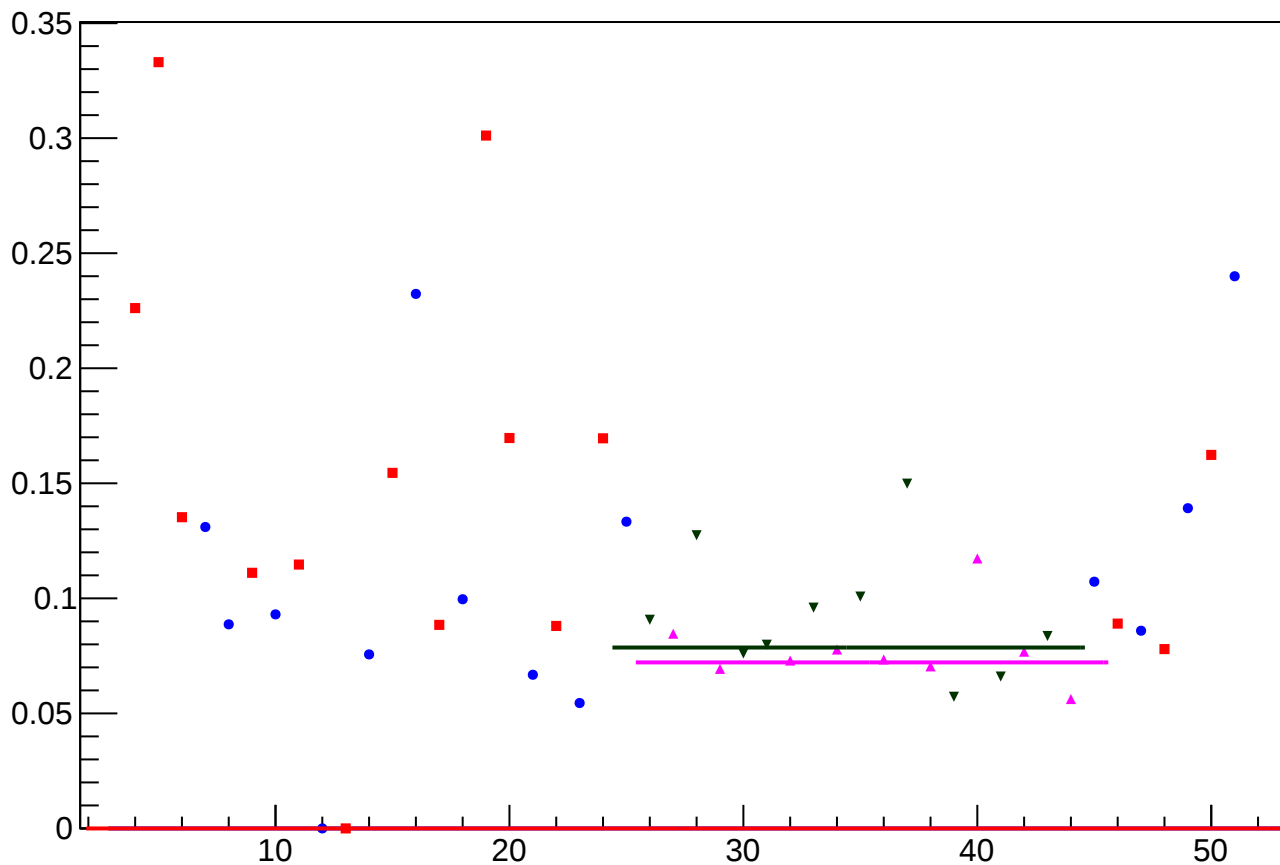
Right Out: -0.676+/-0.000 χ^2/NDF : 93660317.8/14

Left In: -0.186+/-0.000 χ^2/NDF : 8365095.9/8

-0.676+/-0.000 χ^2/NDF : 463254549.7/23

-0.676+/-0.000 χ^2/NDF : 259507782.4/23

yield_cav4dY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 11923858.4/13

Left Out: 0.079+/-0.000 χ^2/NDF : 452862.6/9

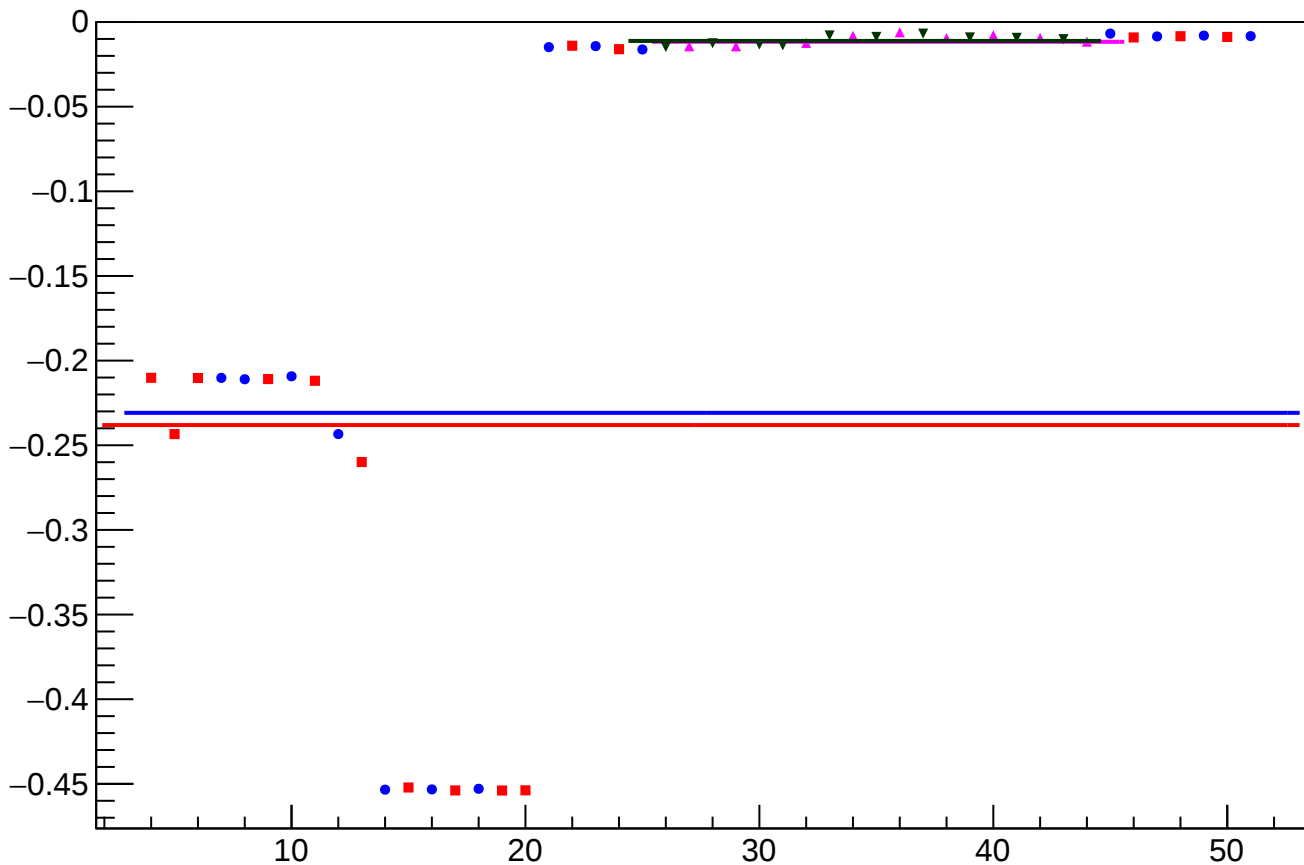
Right Out: 0.000+/-0.000 χ^2/NDF : 9982946.8/14

Left In: 0.072+/-0.000 χ^2/NDF : 192884.5/8

0.000+/-0.000 χ^2/NDF : 18123467.0/23

0.000+/-0.000 χ^2/NDF : 17001017.4/23

yield_bpm4aX_mean vs slug



Right In: -0.231+/-0.000 χ^2/NDF : 4759415218.8/13

Left Out: -0.011+/-0.000 χ^2/NDF : 401443.1/9

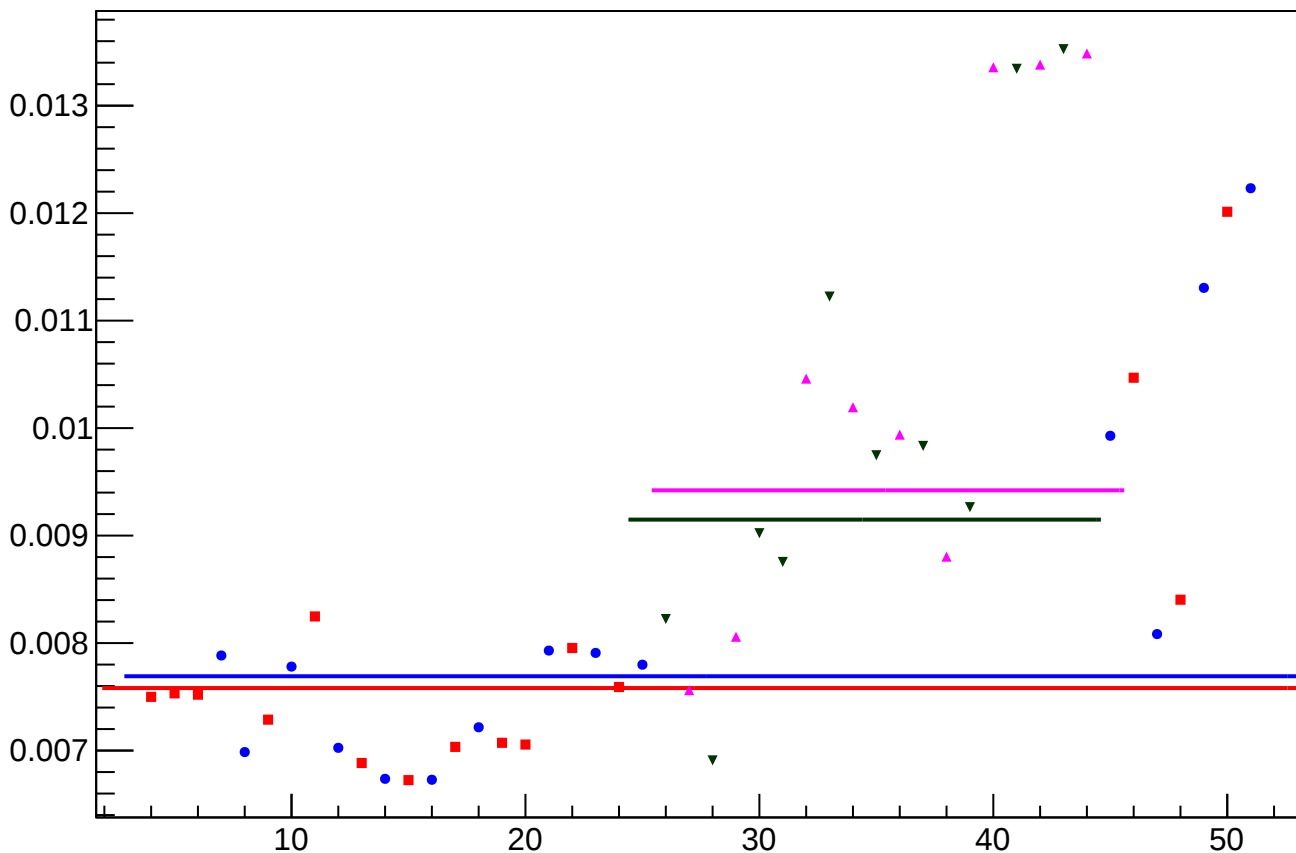
-0.167+/-0.000 χ^2/NDF : 6810268159.7/23

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 : 472776.2/13

Left Out: 0.009+/-0.000 χ^2/NDF : 410320.9/9

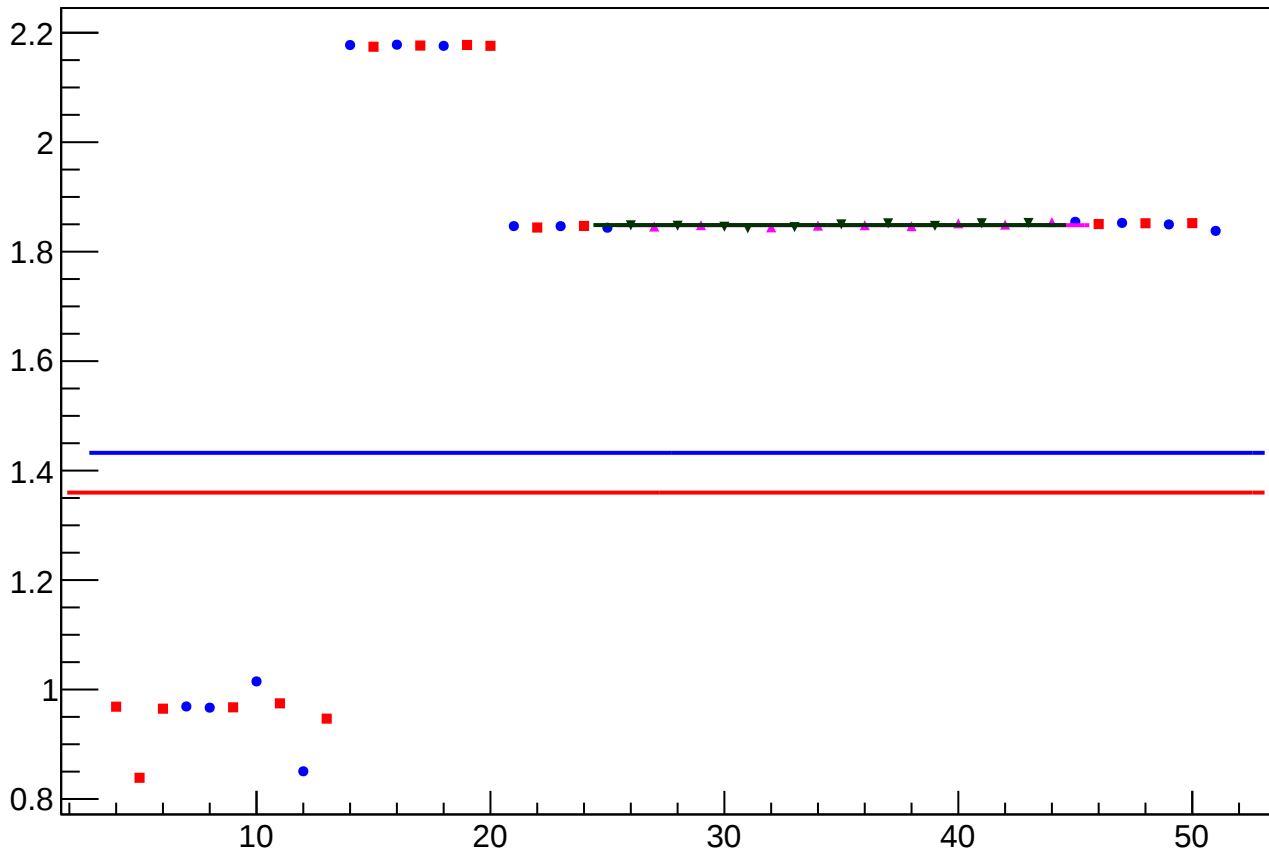
Right Out: 0.008+/-0.000 χ^2/NDF : 289235.9/14

Left In: 0.009+/-0.000 χ^2/NDF : 449025.1/8

0.008+/-0.000 χ^2/NDF : 1063576.4/23

0.008+/-0.000 χ^2/NDF : 1018365.1/23

yield_bpm4aY_mean vs slug



Right In: 1.432 $\pm$ 0.000 χ^2/NDF : 14046773586.1/13

Left Out: 1.849 $\pm$ 0.000 χ^2/NDF : 239961.3/9

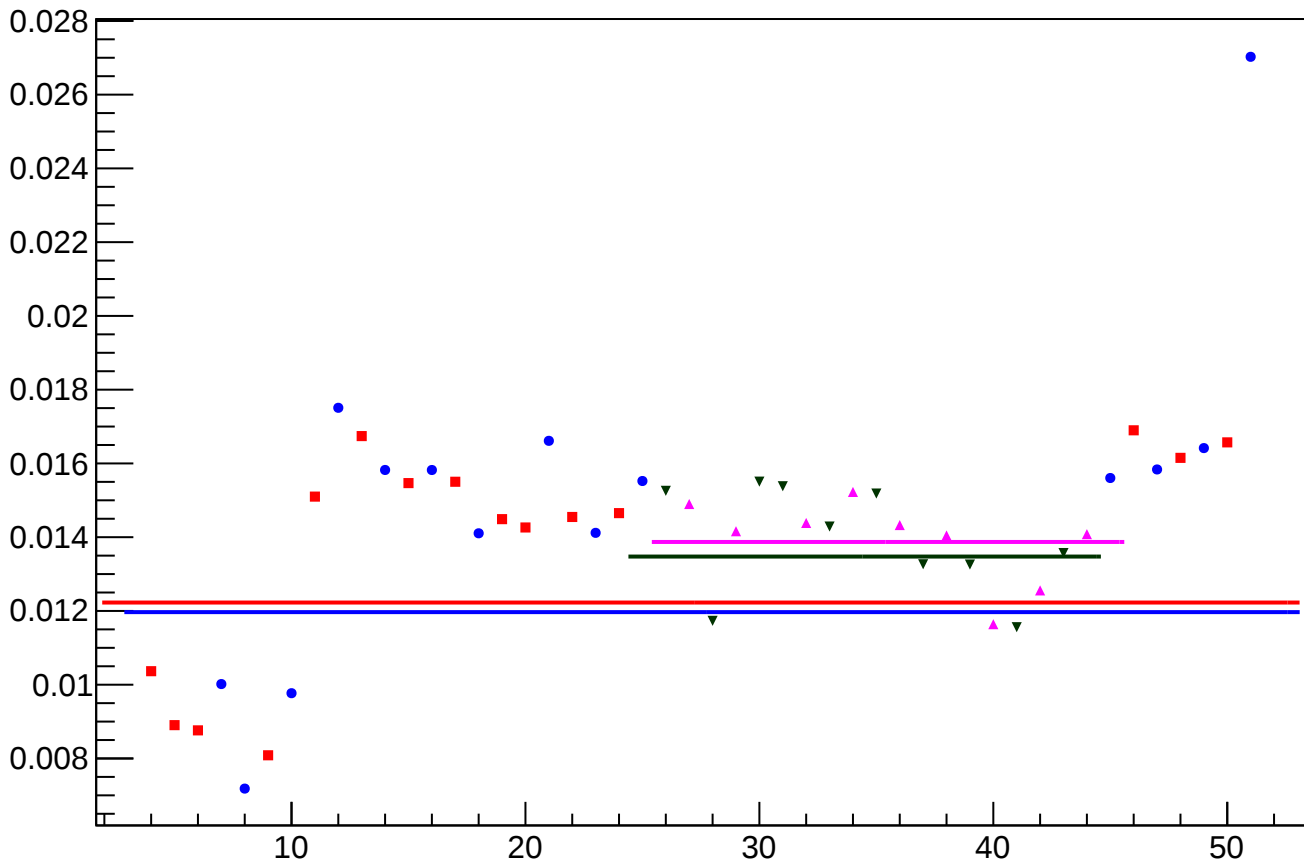
1.576 $\pm$ 0.000 χ^2/NDF : 17192238613.5/23

Right Out: 1.360 $\pm$ 0.000 χ^2/NDF : 12398105120.2/14

1.544 $\pm$ 0.000 χ^2/NDF : 16621461372.1/23

Left In: 1.848 $\pm$ 0.000 χ^2/NDF : 226687.9/8

yield_bpm4aY_rms vs slug



Right In: 0.012+/-0.000 χ^2/NDF : 1856195.8/13

Left Out: 0.013+/-0.000 χ^2/NDF :115364.2/9

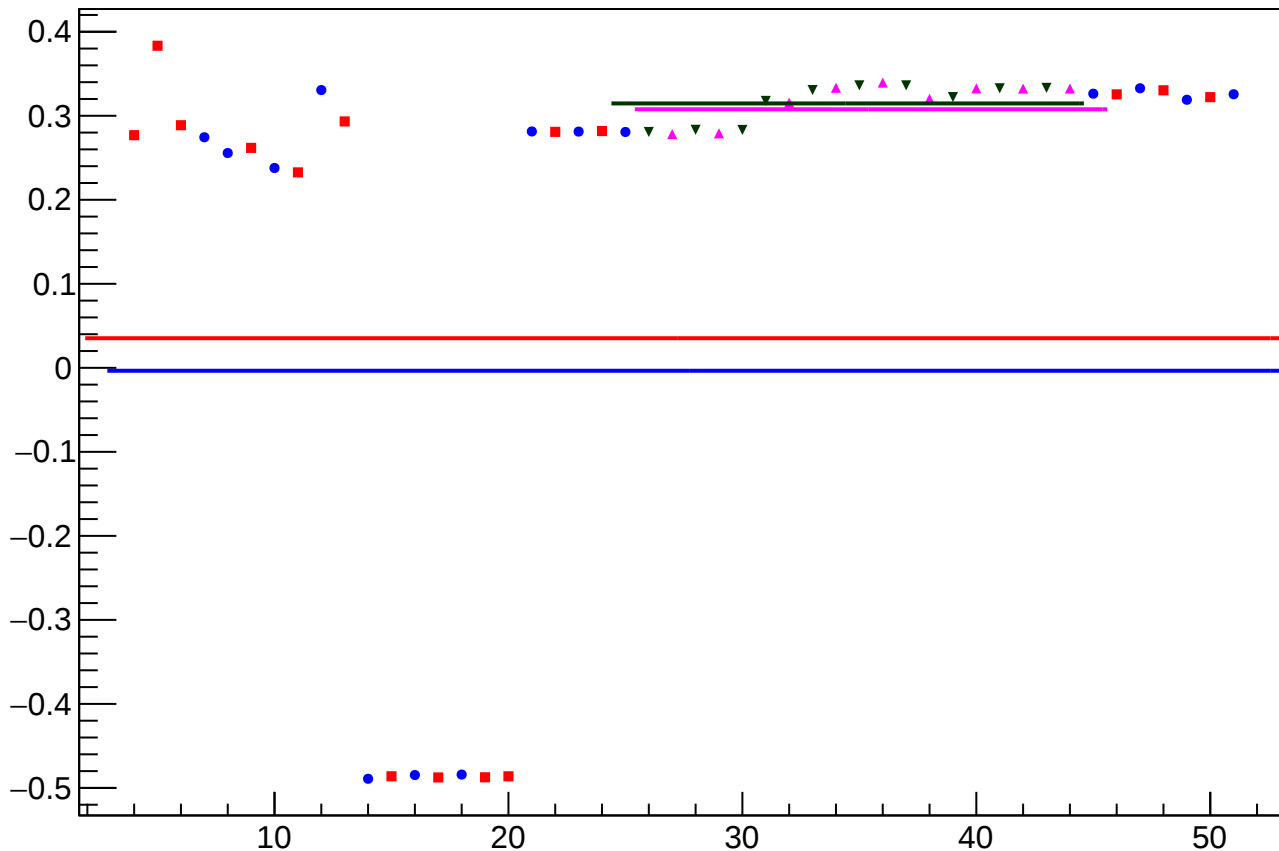
Right Out: 0.012+/-0.000 χ^2/NDF : 1153140.1/14

Left In: 0.014+/-0.000 χ^2/NDF :66613.9/8

0.012+/-0.000 χ^2/NDF : 2054026.9/23

0.013+/-0.000 χ^2/NDF : 1315236.4/23

yield_bpm4eX_mean vs slug



Right In: -0.003 ± 0.000 χ^2/NDF : 3506873396.5/13

Left Out: 0.315 ± 0.000 χ^2/NDF : 5189197.9/9

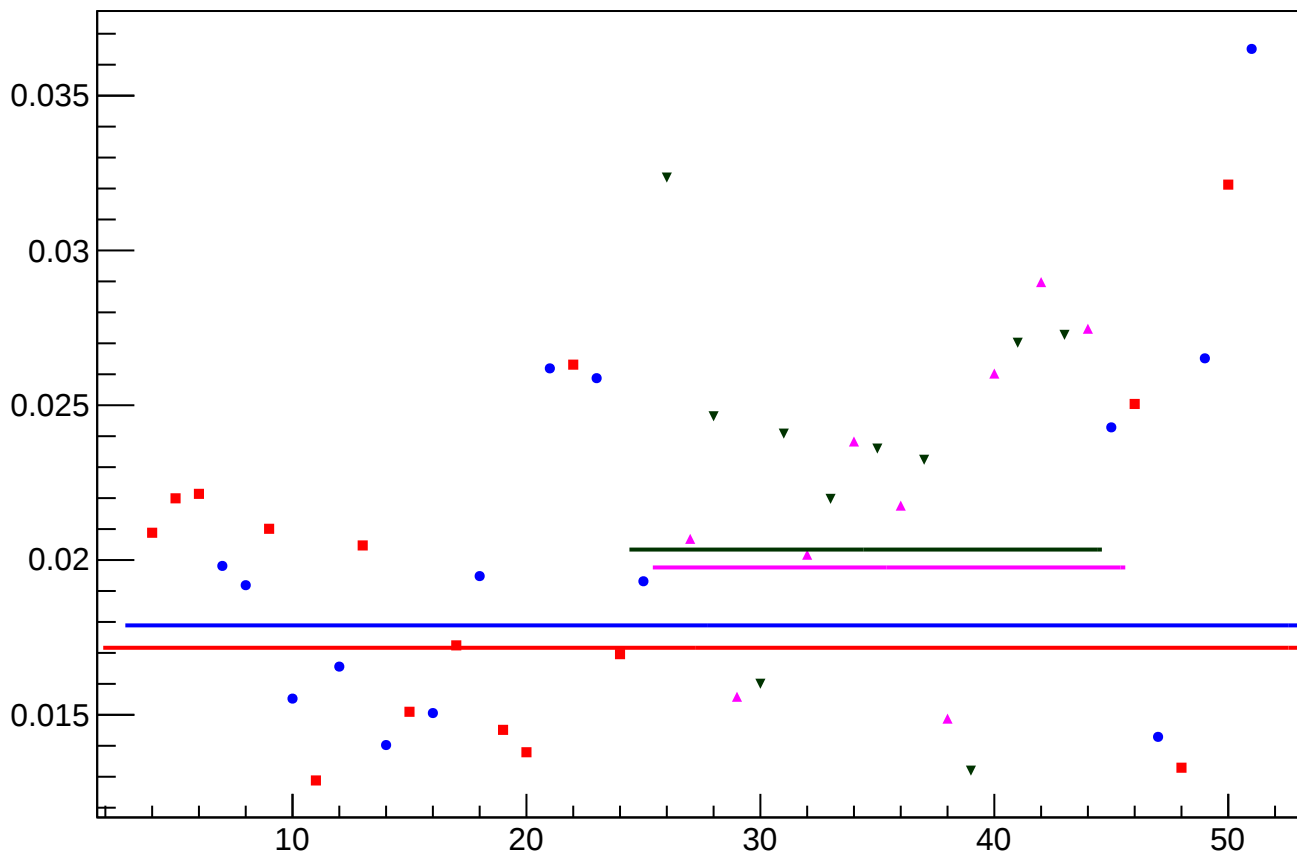
0.096 ± 0.000 χ^2/NDF : 4296620540.6/23

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 : 1019310.7/13

Left Out: 0.020+/-0.000 χ^2/NDF : 733336.7/9

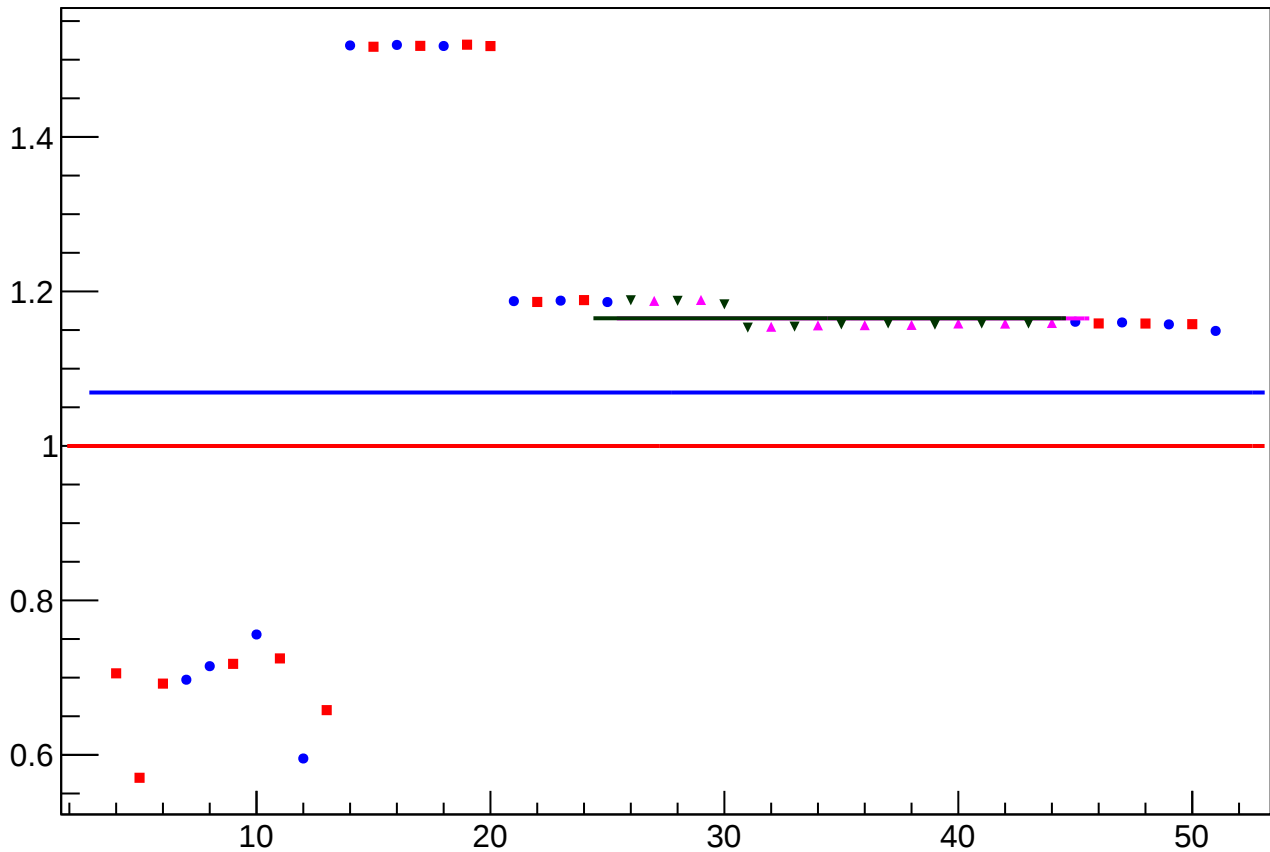
Right Out: 0.017+/-0.000 χ^2/NDF : 915446.8/14

Left In: 0.020+/-0.000 χ^2/NDF : 482021.9/8

0.019+/-0.000 χ^2/NDF : 1845622.1/23

0.018+/-0.000 χ^2/NDF : 1509872.7/23

yield_bpm4eY_mean vs slug



Right In: 1.069+/-0.000 χ^2/NDF : 10443575485.2/13

Left Out: 1.165+/-0.000 χ^2/NDF :12143638.8/9

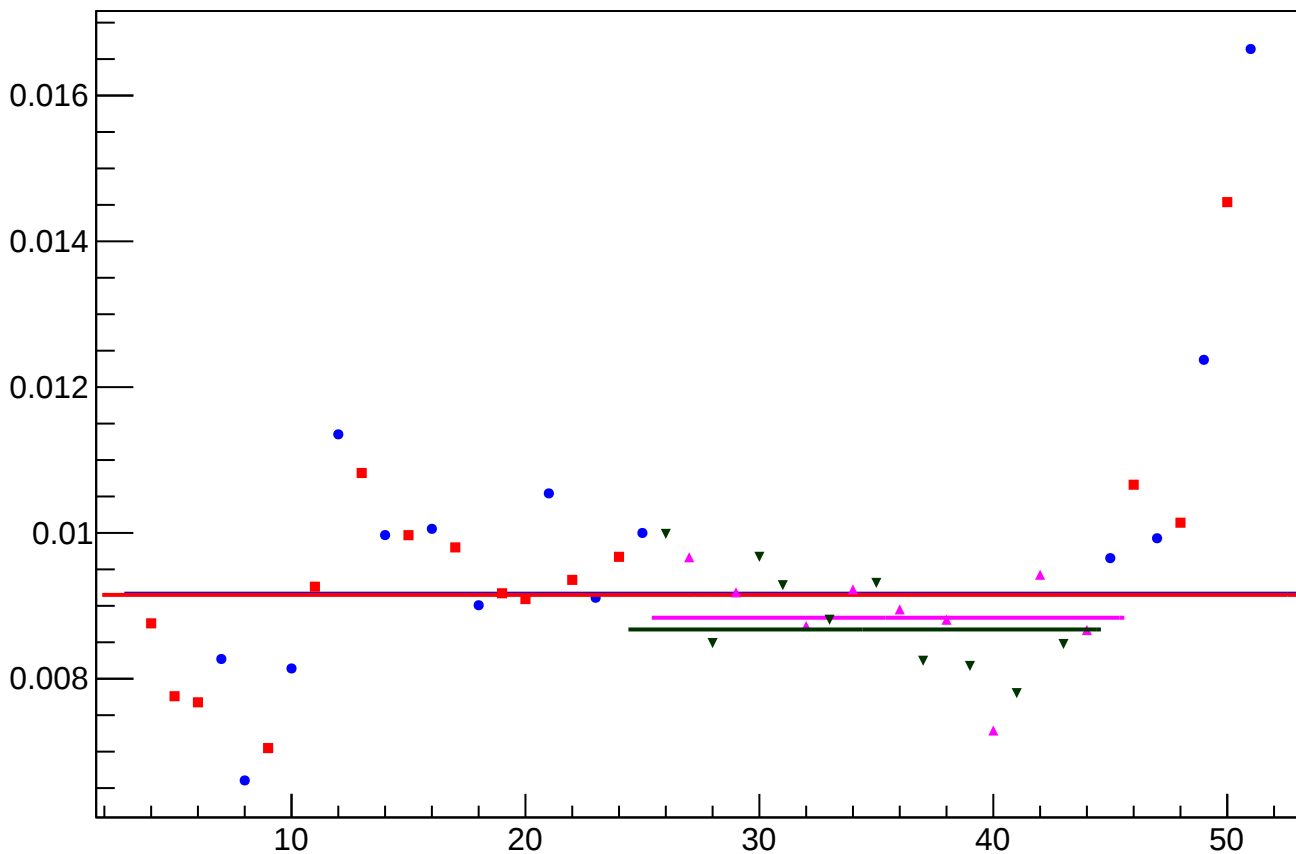
1.109+/-0.000 χ^2/NDF : 10823903759.4/23

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 : 664899.4/13

Left Out: 0.009+/-0.000 χ^2/NDF :57413.1/9

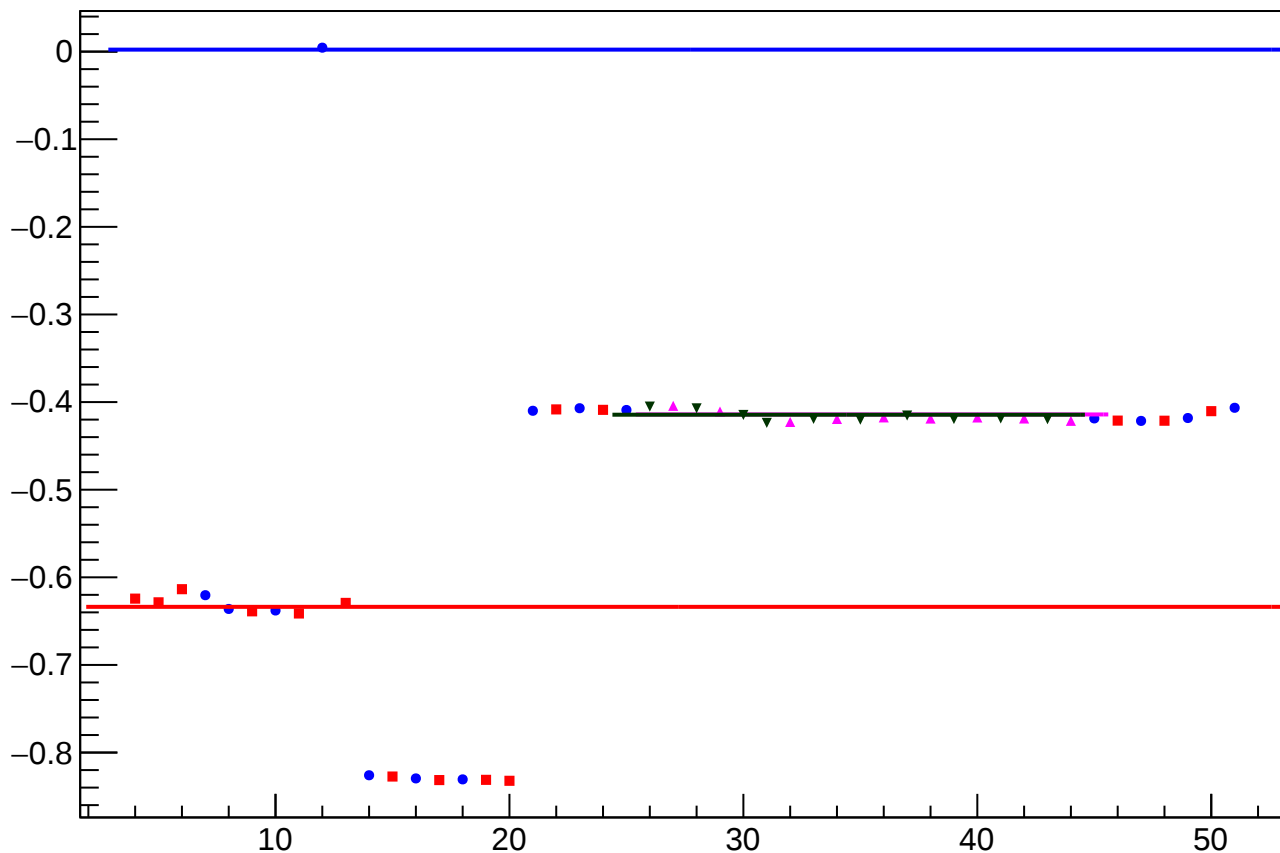
Right Out: 0.009+/-0.000 χ^2/NDF : 394146.6/14

Left In: 0.009+/-0.000 χ^2/NDF :63755.7/8

0.009+/-0.000 χ^2/NDF : 741513.6/23

0.009+/-0.000 χ^2/NDF : 465518.7/23

yield_bpm4acX_mean vs slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 56028863511.4/13

Left Out: -0.414 $\pm$ 0.000 χ^2 /NDF: 2260145.2/9

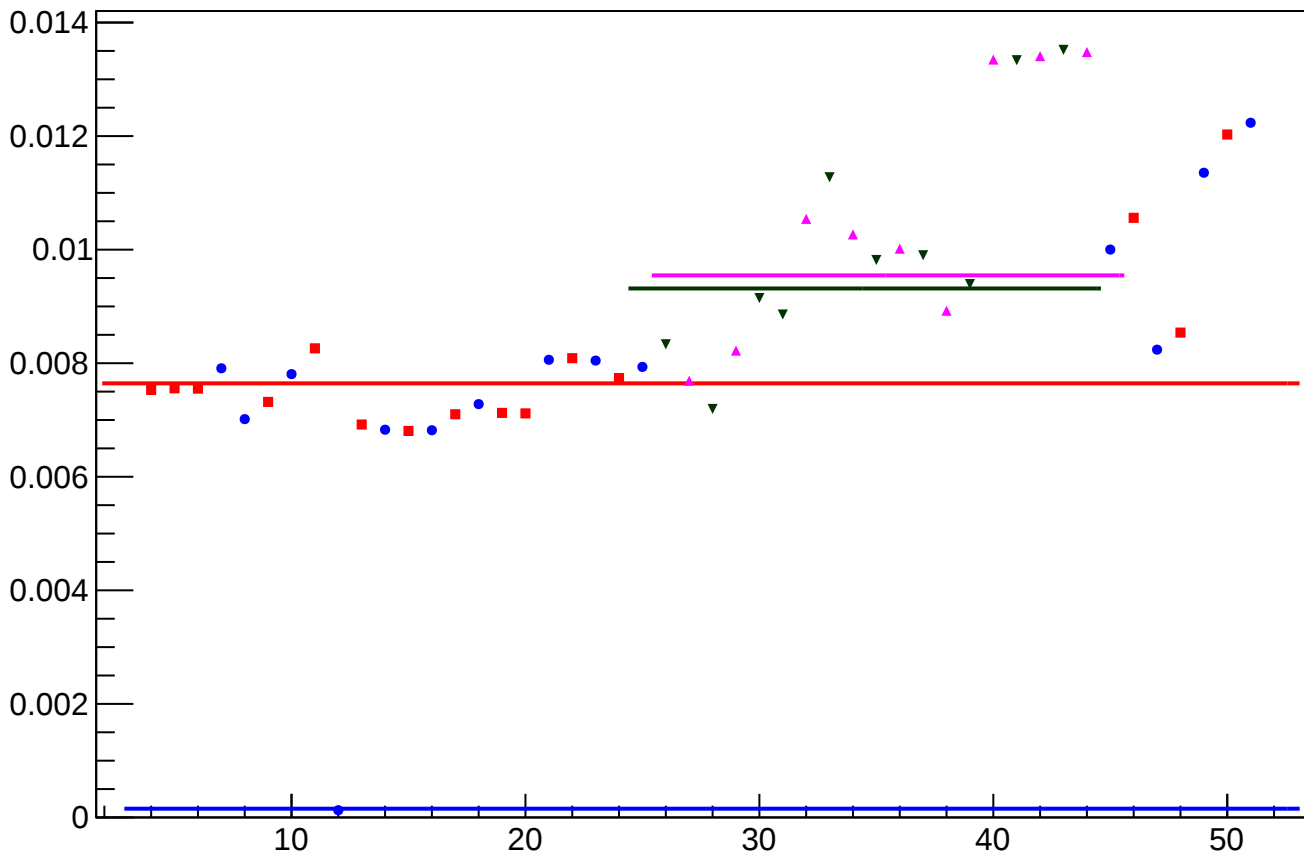
Right Out: -0.634 $\pm$ 0.000 χ^2 /NDF: 2996577922.6/14

Left In: -0.414 $\pm$ 0.000 χ^2 /NDF: 2651942.7/8

0.002 $\pm$ 0.000 χ^2 /NDF: 66136429990.3/23

-0.566 $\pm$ 0.000 χ^2 /NDF: 4953063858.8/23

yield_bpm4acX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 15885652.1/13

Left Out: 0.009+/-0.000 χ^2/NDF : 365508.7/9

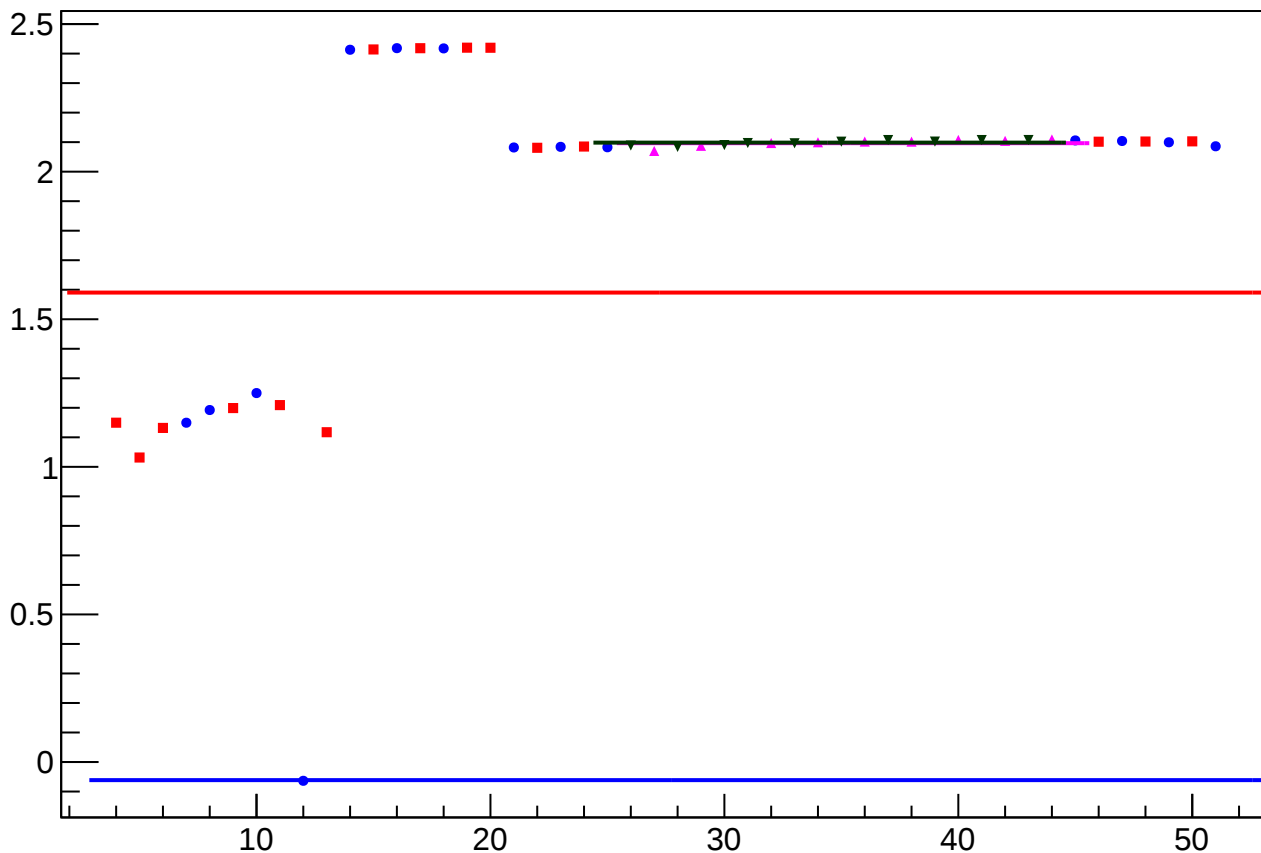
0.000+/-0.000 χ^2/NDF : 26022735.7/23

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 : 164085459367.3/13

Left Out: 2.098+/-0.000 χ^2/NDF :2018647.6/9

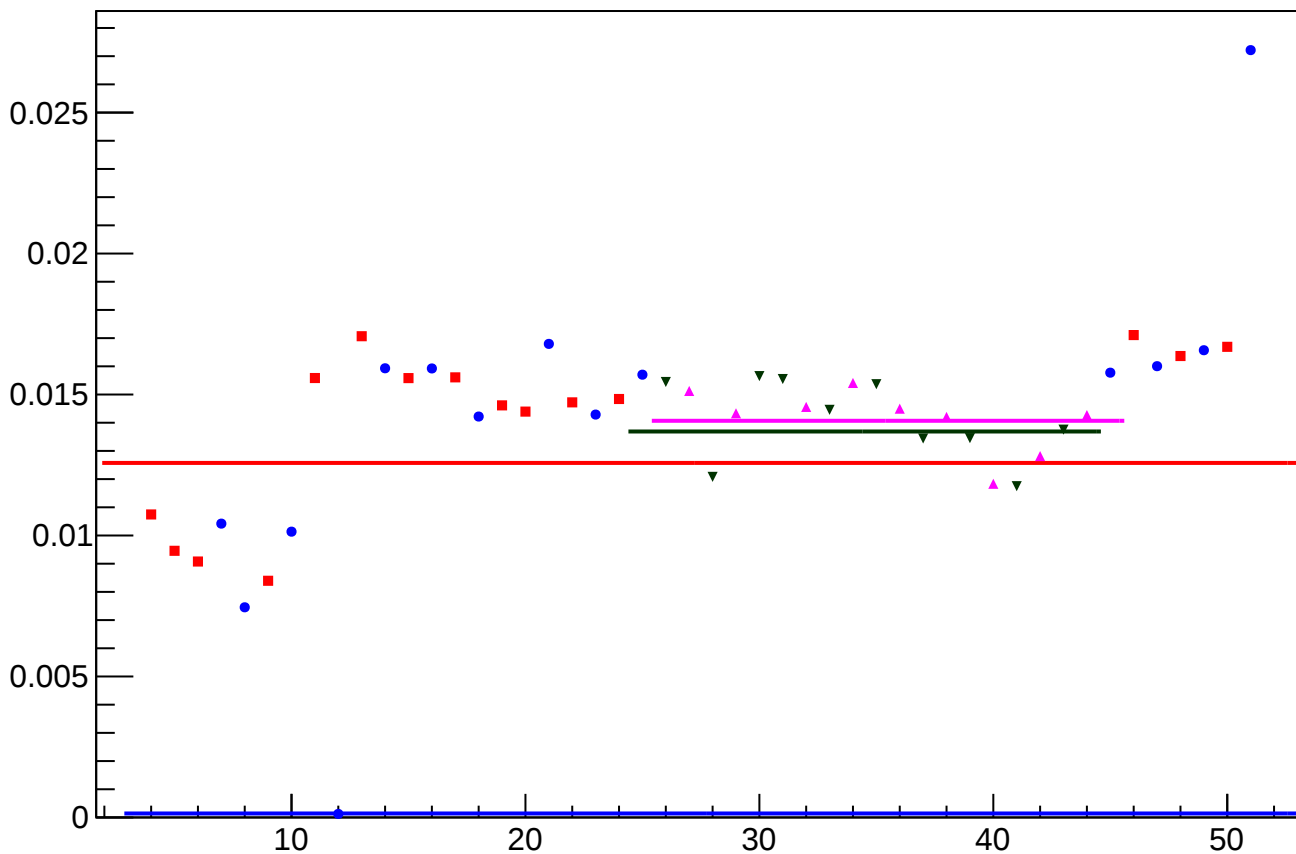
Right Out: 1.590+/-0.000 χ^2/NDF : 12900711449.1/14

Left In: 2.096+/-0.000 χ^2/NDF :3992542.9/8

-0.060+/-0.000 χ^2/NDF : 289397035087.8/23

1.783+/-0.000 χ^2/NDF : 17269078483.7/23

yield_bpm4acY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 15464062.4/13

Left Out: 0.014+/-0.000 χ^2/NDF :106273.7/9

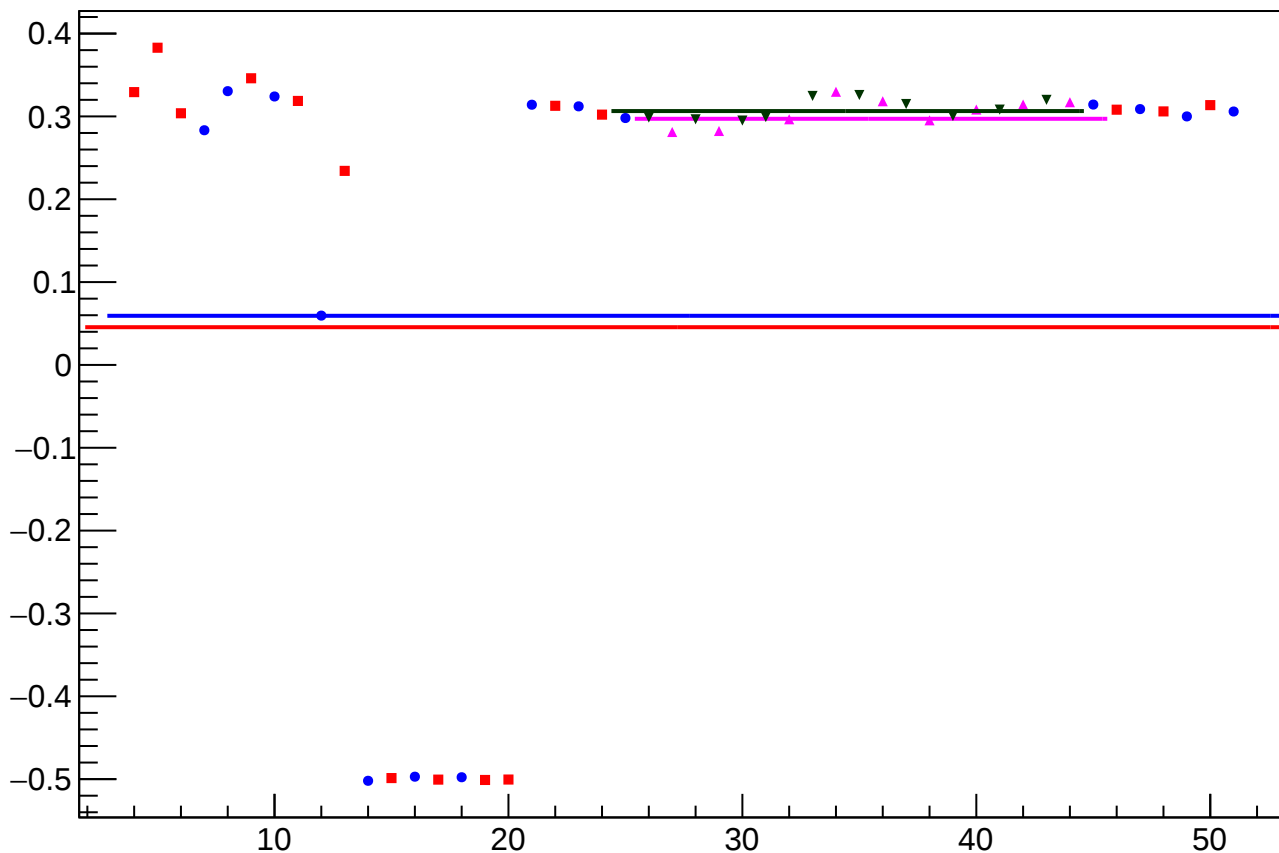
Right Out: 0.013+/-0.000 χ^2/NDF : 1060233.2/14

Left In: 0.014+/-0.000 χ^2/NDF :63357.4/8

0.000+/-0.000 χ^2/NDF : 25432081.0/23

0.013+/-0.000 χ^2/NDF : 1199697.7/23

yield_bpm4ecX_mean vs slug



Right In: 0.059+/-0.000 χ^2/NDF : 3835193492.0/13

Left Out: 0.306+/-0.000 χ^2/NDF :1355327.7/9

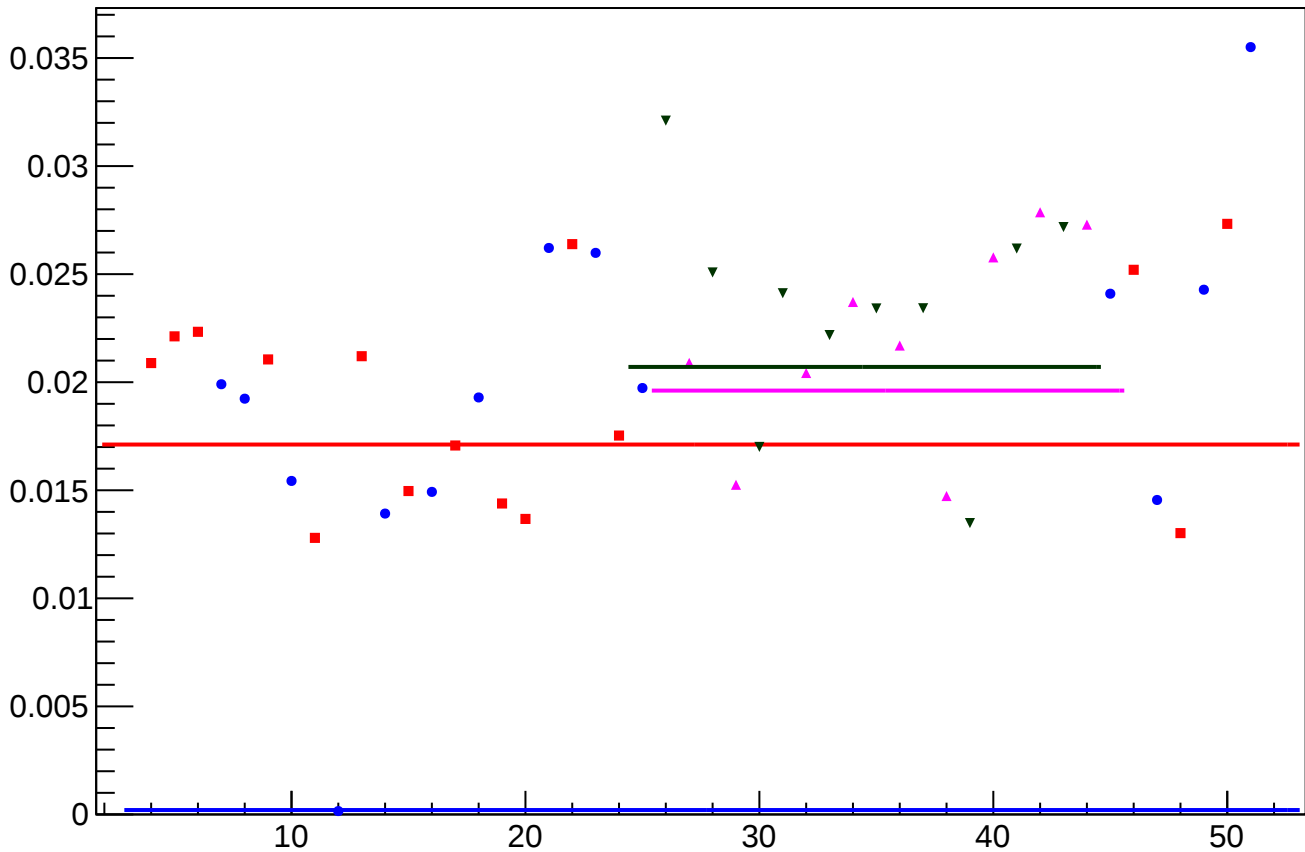
0.060+/-0.000 χ^2/NDF : 4508638266.6/23

Right Out: 0.046+/-0.000 χ^2/NDF : 3459553845.1/14

0.134+/-0.000 χ^2/NDF : 3999366053.0/23

Left In: 0.297+/-0.000 χ^2/NDF :3115046.5/8

yield_bpm4ecX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 15387552.4/13

Left Out: 0.021+/-0.000 χ^2/NDF : 655279.7/9

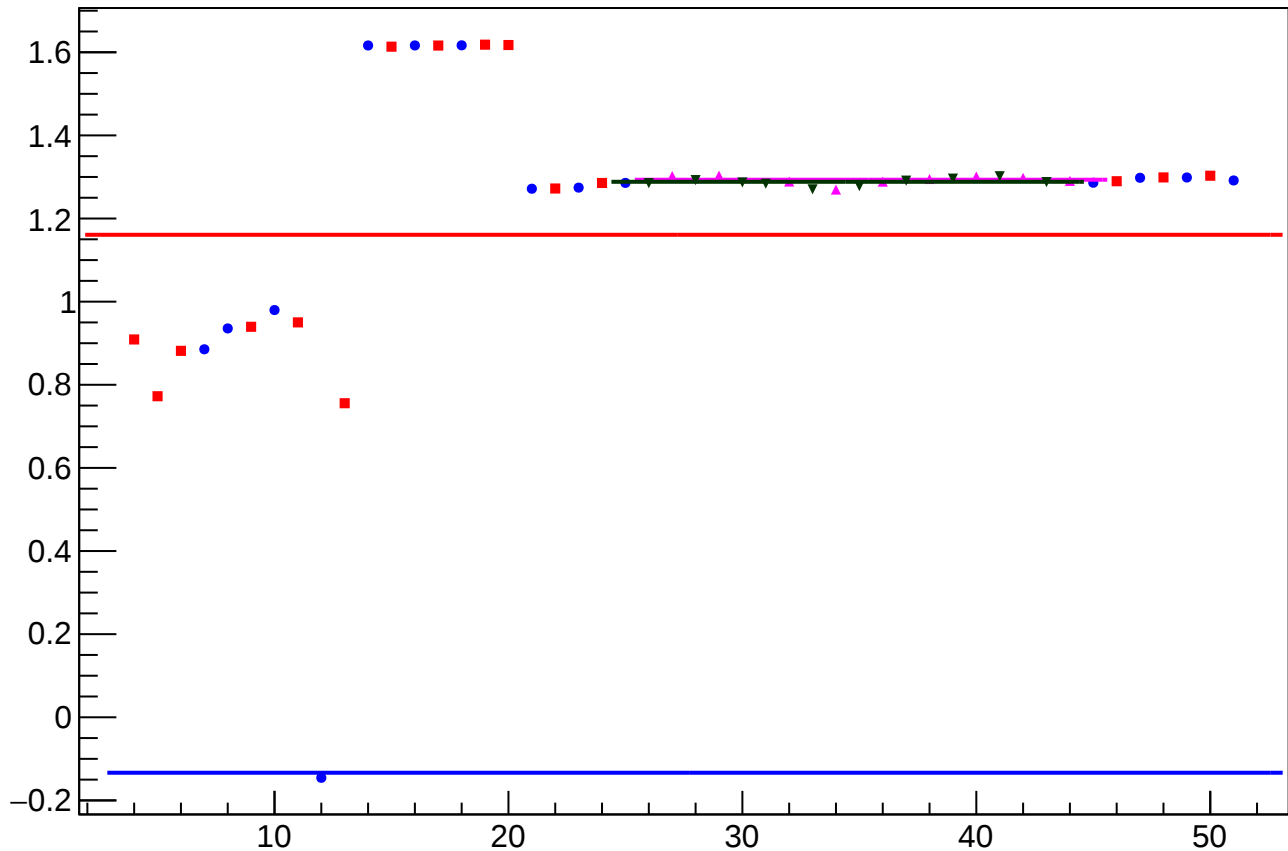
0.000+/-0.000 χ^2/NDF : 25293877.0/23

Right Out: 0.017+/-0.000 χ^2/NDF : 897850.5/14

0.018+/-0.000 χ^2/NDF : 1496957.5/23

Left In: 0.020+/-0.000 χ^2/NDF : 493445.7/8

yield_bpm4ecY_mean vs slug



Right In: -0.133+/-0.000 χ^2/NDF : 161734804279.8/13

Left Out: 1.288+/-0.000 χ^2/NDF :3982202.6/9

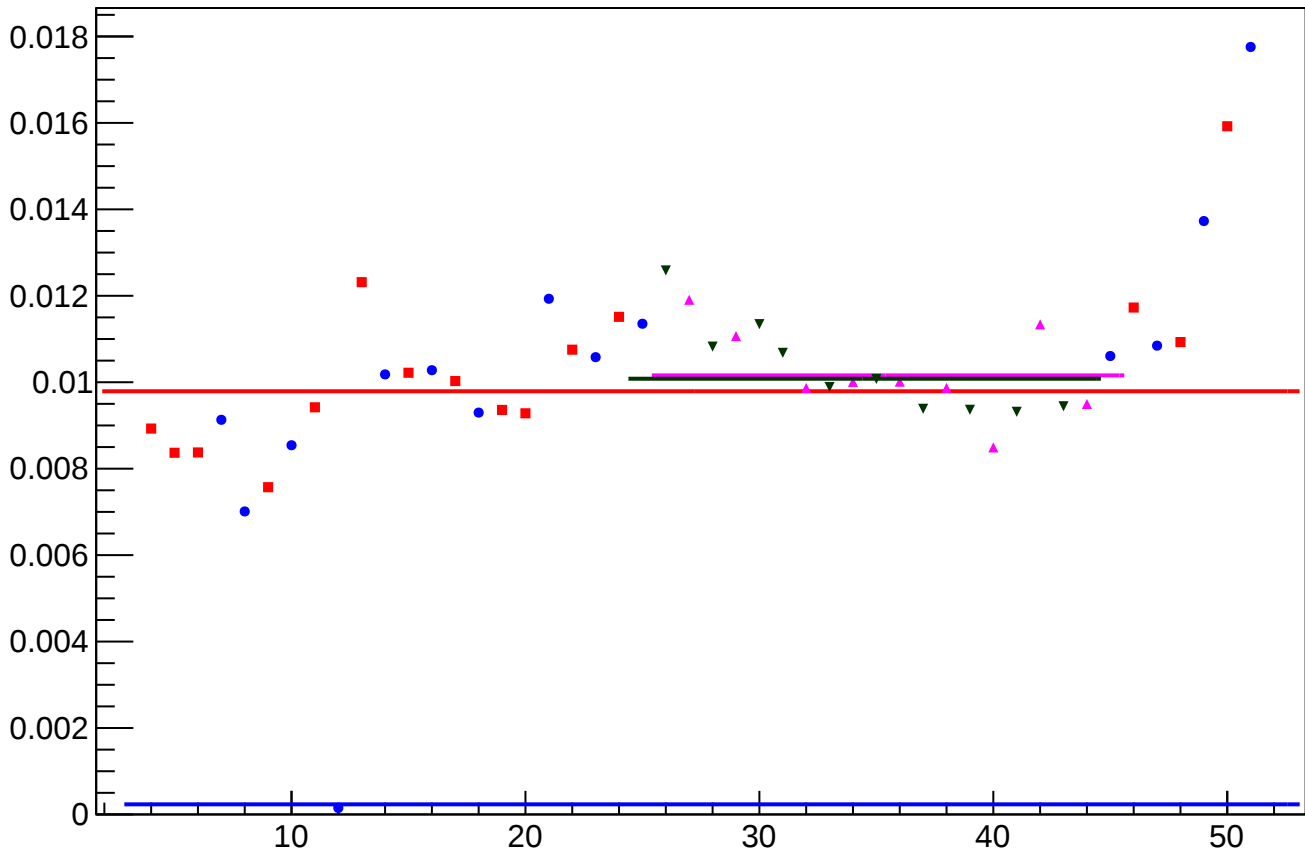
-0.126+/-0.000 χ^2/NDF : 262555746310.3/23

Right Out: 1.161+/-0.000 χ^2/NDF : 7205719136.9/14

1.215+/-0.000 χ^2/NDF : 7754078571.9/23

Left In: 1.293+/-0.000 χ^2/NDF :4686204.8/8

yield_bpm4ecY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 15225409.8/13

Left Out: 0.010+/-0.000 χ^2/NDF : 82741.5/9

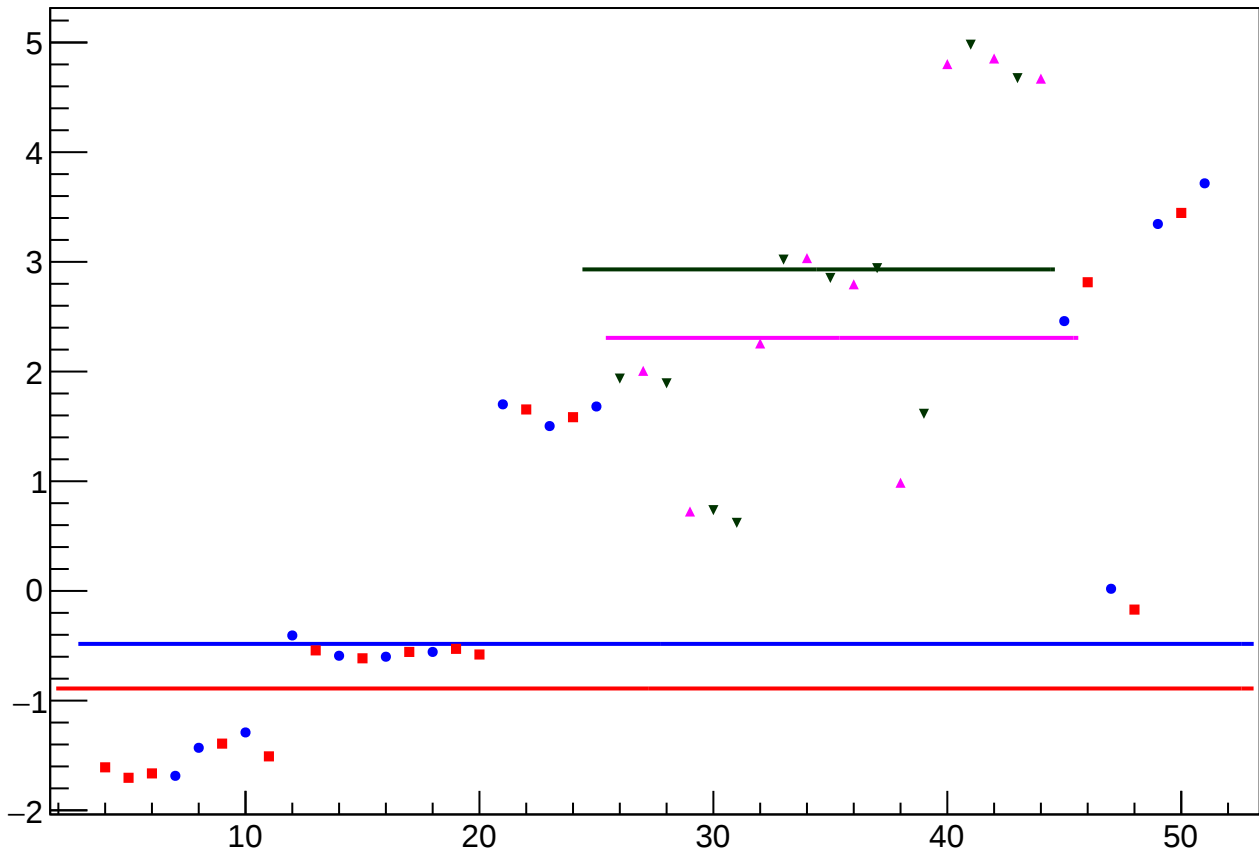
0.000+/-0.000 χ^2/NDF : 24980296.2/23

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: -0.483 ± 0.000 χ^2/NDF : 7212576278.3/13

Left Out: 2.931 ± 0.000 χ^2/NDF : 696767729.4/9

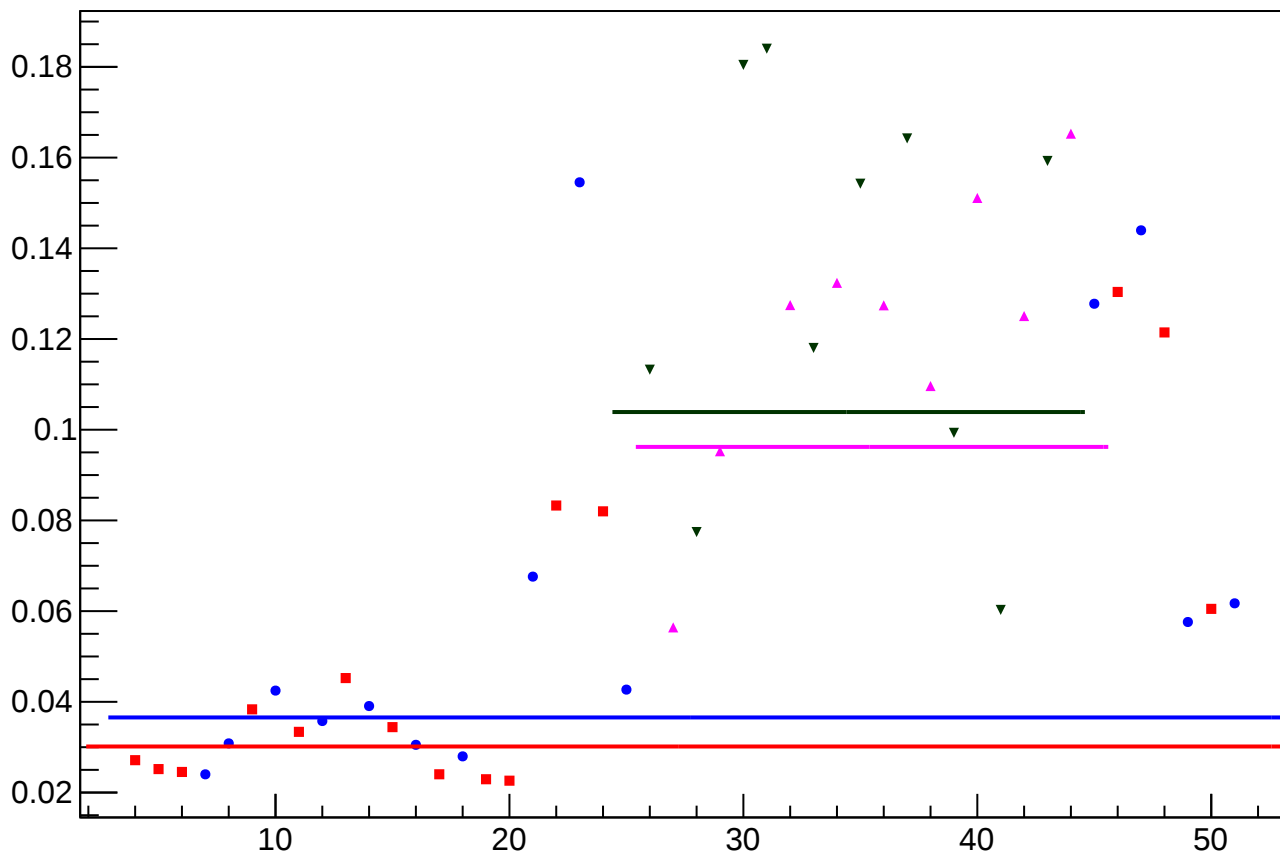
-0.236 ± 0.000 χ^2/NDF : 11444081550.8/23

Right Out: -0.889 ± 0.000 χ^2/NDF : 4323493785.8/14

-0.666 ± 0.000 χ^2/NDF : 8911539181.0/23

Left In: 2.307 ± 0.000 χ^2/NDF : 637059338.1/8

yield_bpm1X_rms vs slug



Right In: 0.037+/-0.000 χ^2/NDF : 2418826.6/13

Left Out: 0.104+/-0.000 χ^2/NDF :1068598.5/9

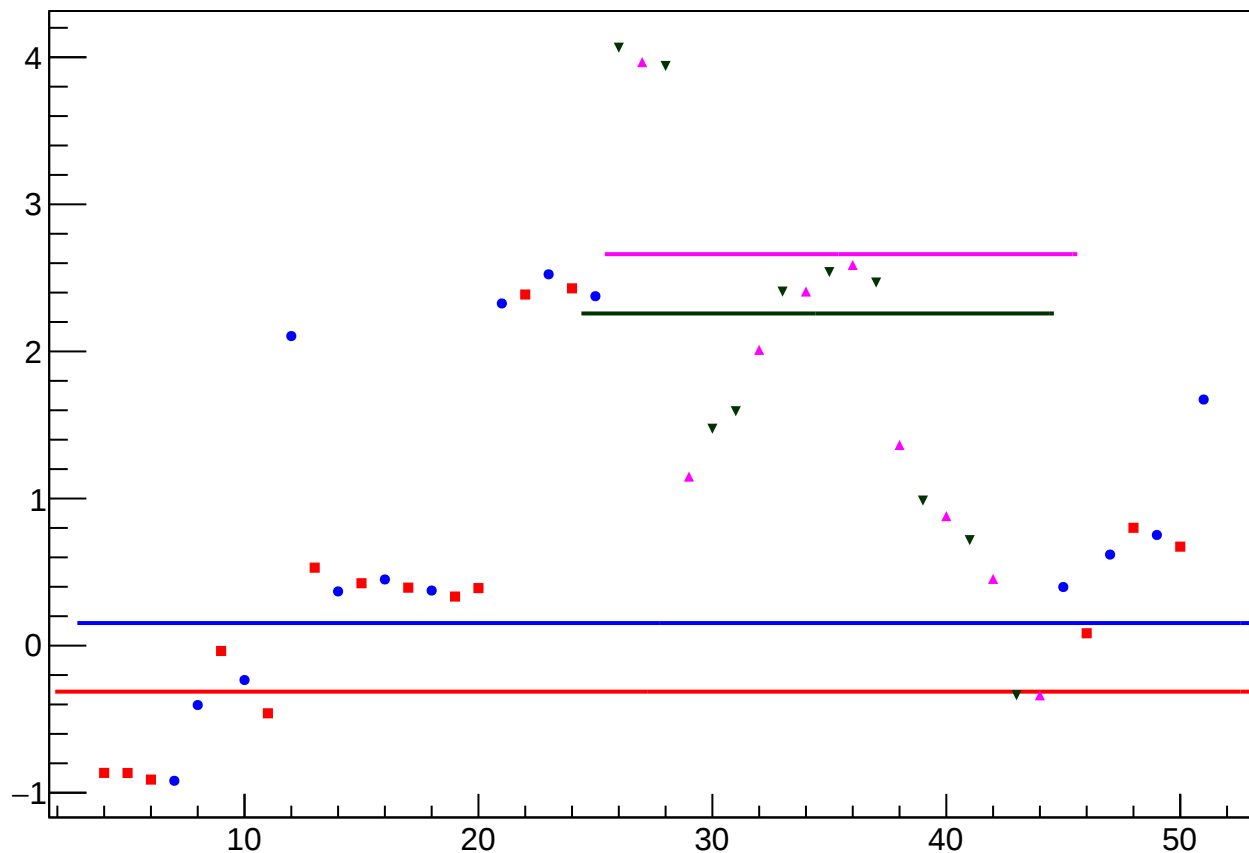
Right Out: 0.030+/-0.000 χ^2/NDF : 2046868.8/14

Left In: 0.096+/-0.000 χ^2/NDF :1062303.0/8

0.041+/-0.000 χ^2/NDF : 6237725.8/23

0.035+/-0.000 χ^2/NDF : 6483889.9/23

yield_bpm1Y_mean vs slug



Right In: 0.153+/-0.000 χ^2/NDF : 8649248488.3/13

Left Out: 2.258+/-0.000 χ^2/NDF :1464188140.1/9

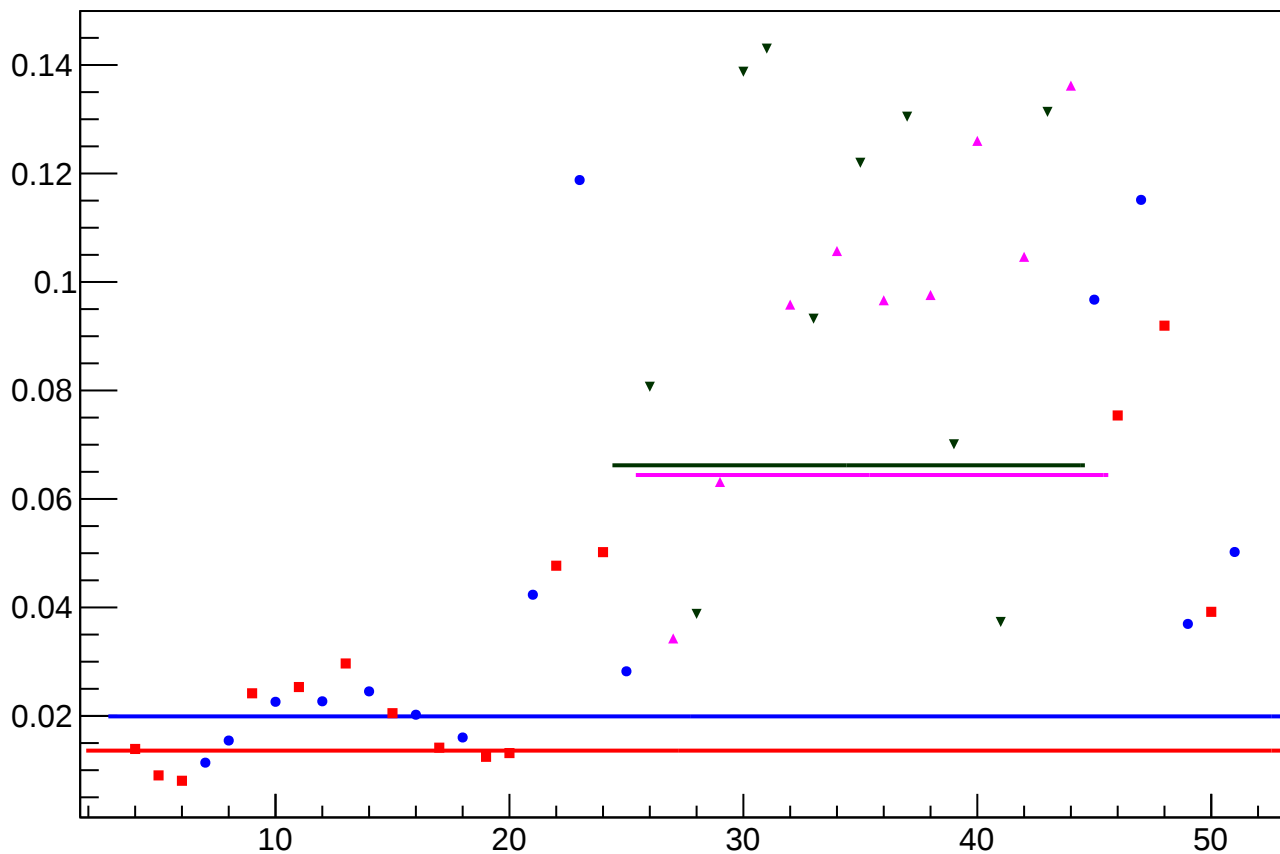
Right Out: -0.313+/-0.000 χ^2/NDF : 9568735892.9/14

Left In: 2.661+/-0.000 χ^2/NDF :1577506308.7/8

0.268+/-0.000 χ^2/NDF : 12919520040.0/23

-0.203+/-0.000 χ^2/NDF : 18063207793.2/23

yield_bpm1Y_rms vs slug



Right In: 0.020+/-0.000 χ^2/NDF : 3136915.6/13

Left Out: 0.066+/-0.000 χ^2/NDF :1777792.9/9

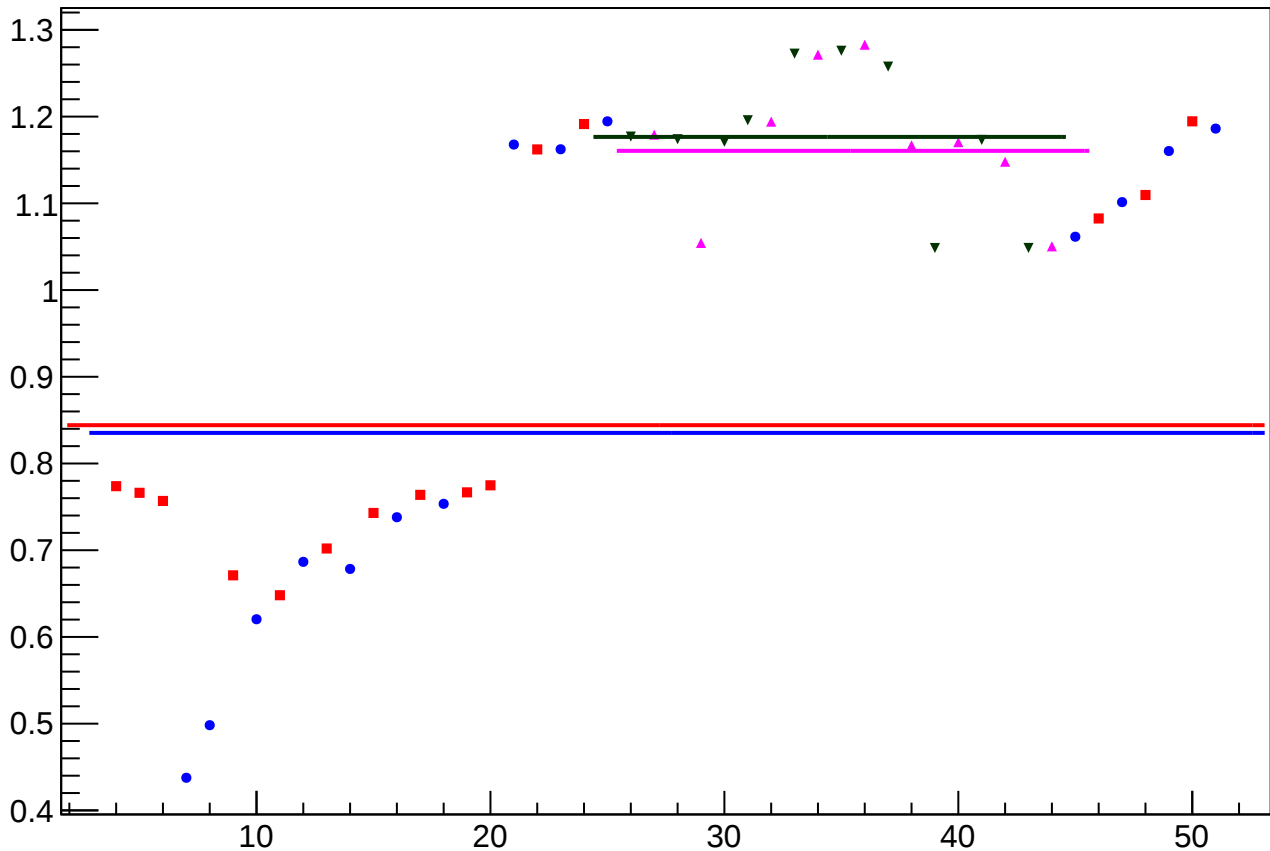
Right Out: 0.014+/-0.000 χ^2/NDF : 3103694.9/14

Left In: 0.064+/-0.000 χ^2/NDF :1800340.3/8

0.022+/-0.000 χ^2/NDF : 7629202.9/23

0.015+/-0.000 χ^2/NDF : 8941084.2/23

yield_bpm11X_mean vs slug



Right In: 0.835 $\pm$ 0.000 χ^2 /NDF: 1281550791.1/13

Left Out: 1.177 $\pm$ 0.000 χ^2 /NDF:56492661.1/9

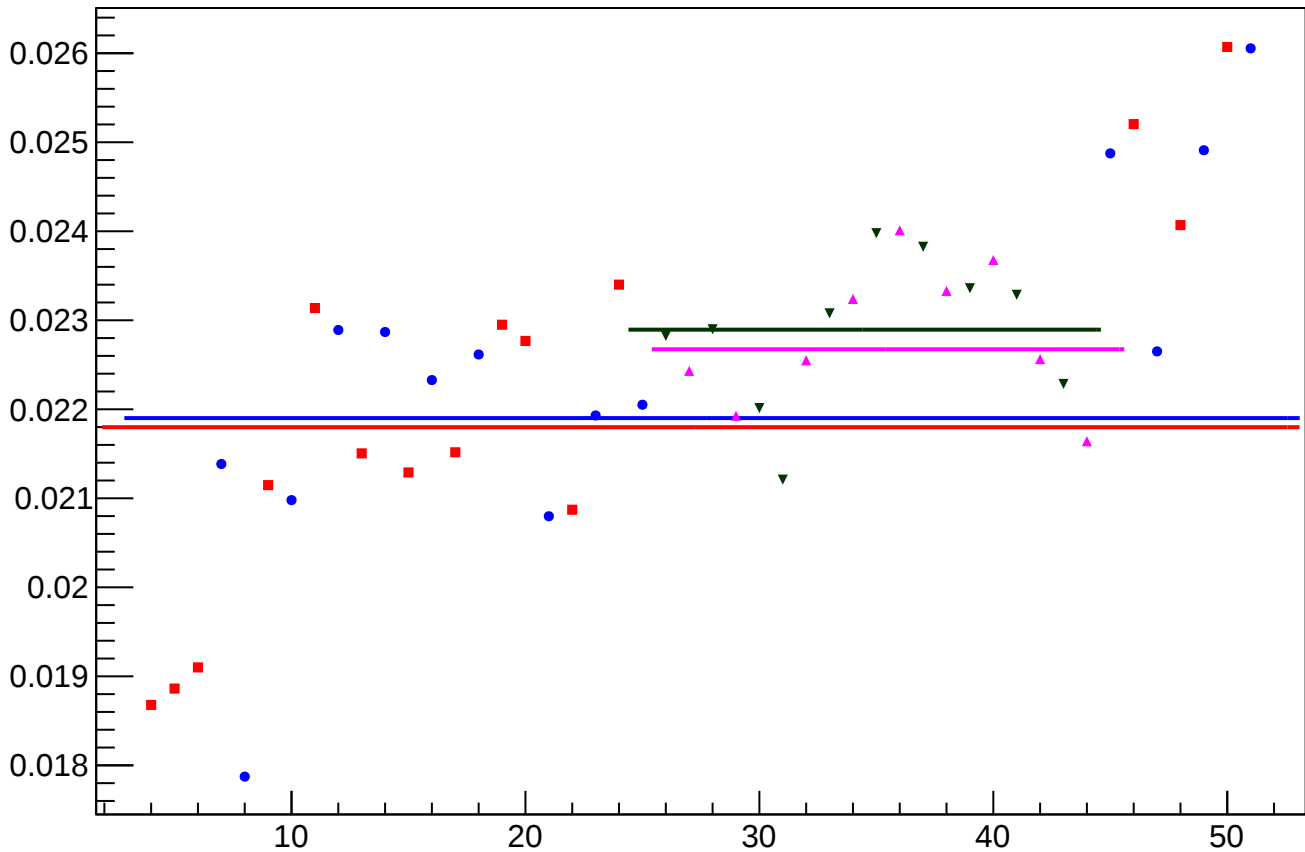
0.957 $\pm$ 0.000 χ^2 /NDF: 2075991703.2/23

Right Out: 0.844 $\pm$ 0.000 χ^2 /NDF: 609853302.8/14

0.971 $\pm$ 0.000 χ^2 /NDF: 1304133477.3/23

Left In: 1.161 $\pm$ 0.000 χ^2 /NDF:58009580.0/8

yield_bpm11X_rms vs slug



Right In: 0.022 ± 0.000 $\chi^2/\text{NDF}: 170081.9/13$

Left Out: 0.023 ± 0.000 $\chi^2/\text{NDF}: 11436.5/9$

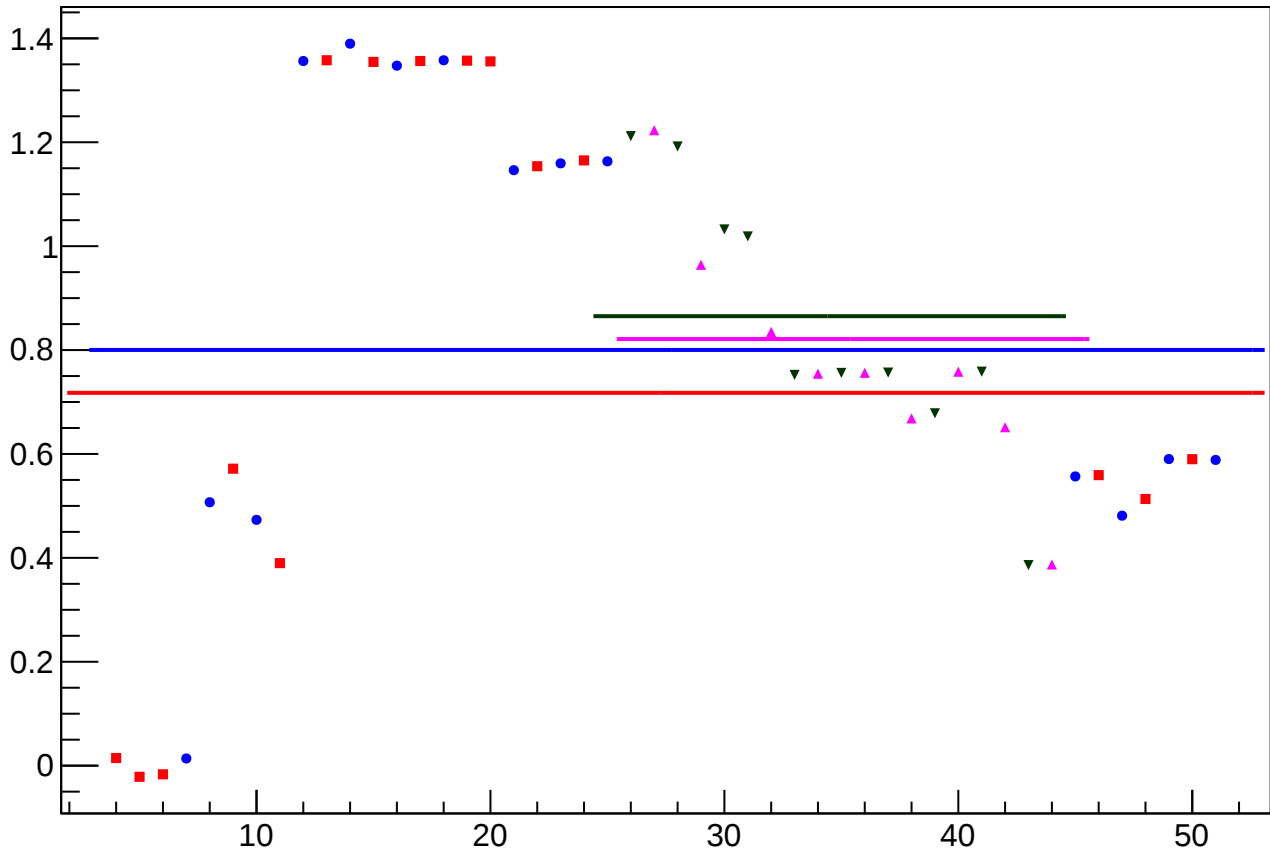
Right Out: 0.022 ± 0.000 $\chi^2/\text{NDF}: 117570.0/14$

Left In: 0.023 ± 0.000 $\chi^2/\text{NDF}: 10426.9/8$

0.022 ± 0.000 $\chi^2/\text{NDF}: 194024.0/23$

0.022 ± 0.000 $\chi^2/\text{NDF}: 137739.2/23$

yield_bpm11Y_mean vs slug



Right In: 0.800+/-0.000 χ^2/NDF : 113543991149.1/13

Left Out: 0.865+/-0.000 χ^2/NDF :19769026573.0/9

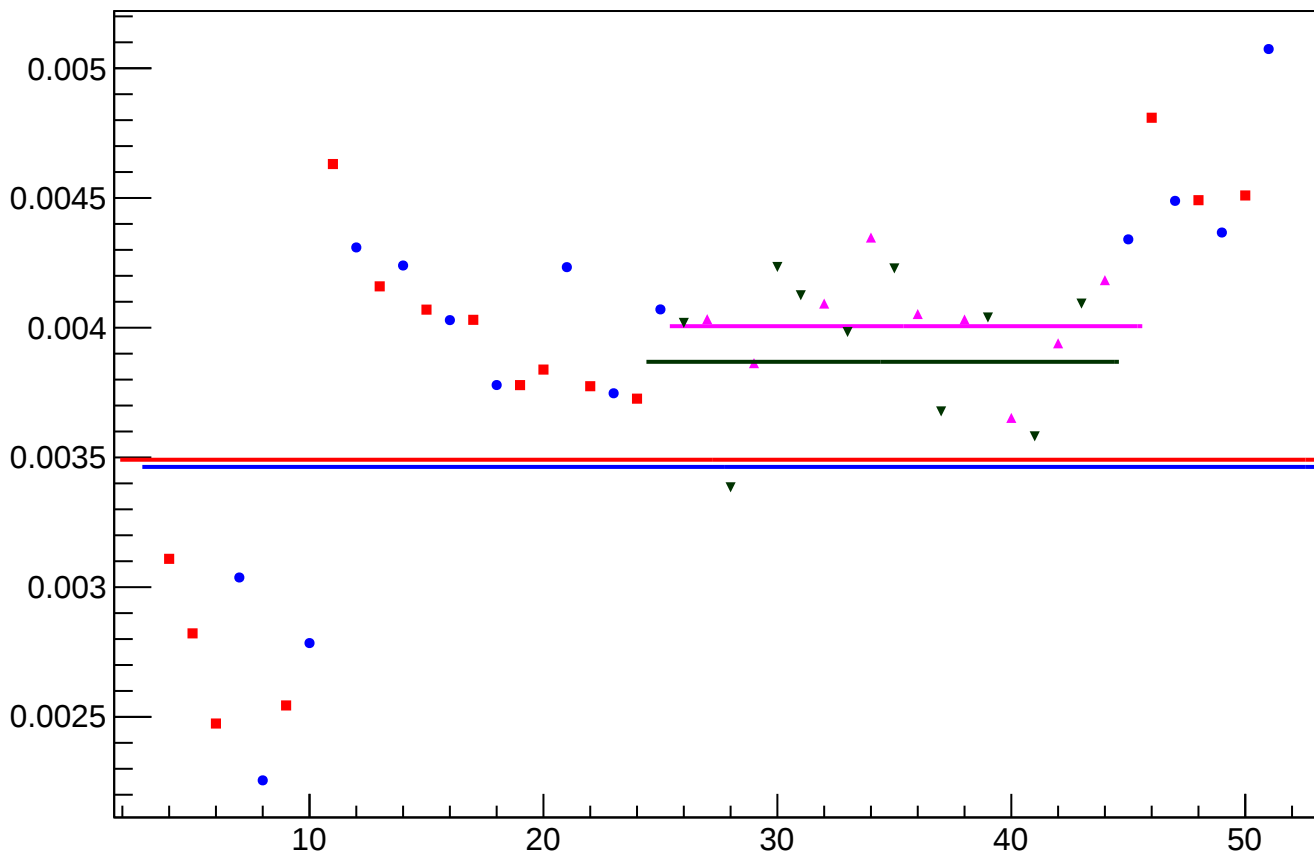
0.822+/-0.000 χ^2/NDF : 134260188604.2/23

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 : 1069506.2/13

Left Out: 0.004+/-0.000 χ^2/NDF :59617.0/9

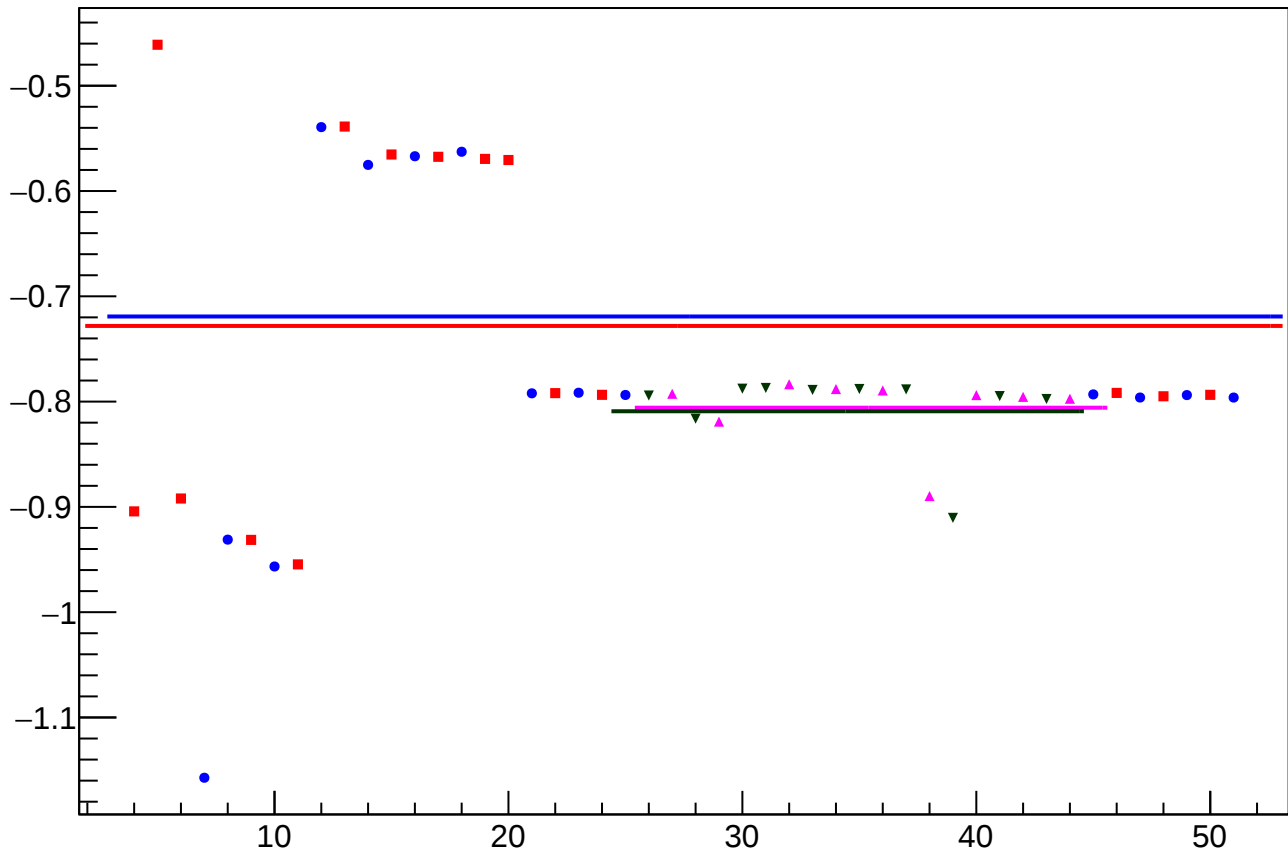
Right Out: 0.003+/-0.000 χ^2/NDF : 768231.7/14

Left In: 0.004+/-0.000 χ^2/NDF :20484.3/8

0.004+/-0.000 χ^2/NDF : 1202687.5/23

0.004+/-0.000 χ^2/NDF : 903415.9/23

yield_bpm12X_mean vs slug



Right In: -0.719 ± 0.000 χ^2/NDF : 2185372153.3/13

Left Out: -0.809 ± 0.000 χ^2/NDF : 119027161.1/9

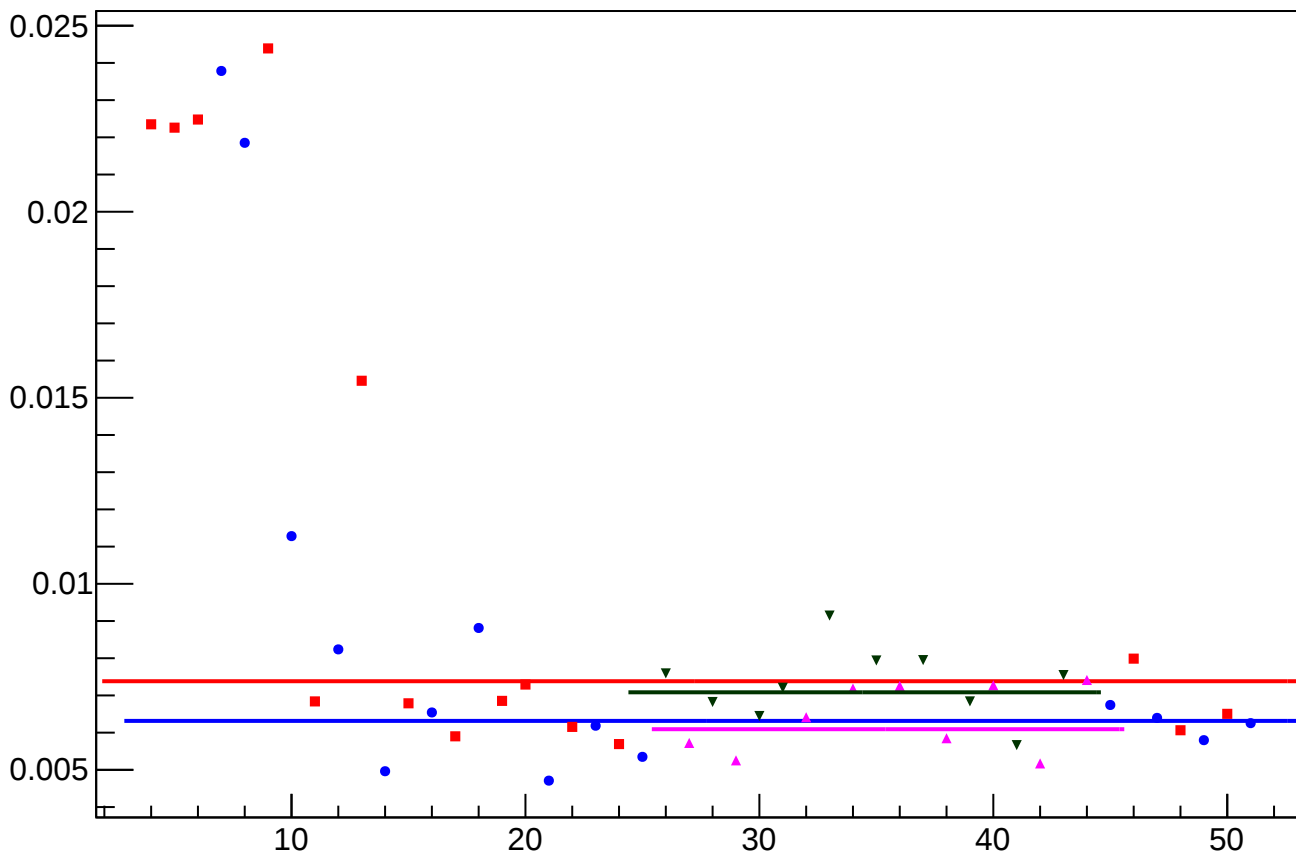
Right Out: -0.728 ± 0.000 χ^2/NDF : 1847788435.0/14

Left In: -0.806 ± 0.000 χ^2/NDF : 95429738.5/8

-0.750 ± 0.000 χ^2/NDF : 2720414724.3/23

-0.769 ± 0.000 χ^2/NDF : 2250097810.3/23

yield_bpm12X_rms vs slug



Right In: 0.006 ± 0.000 χ^2/NDF : 1846241.4/13

Left Out: 0.007 ± 0.000 χ^2/NDF : 128168.7/9

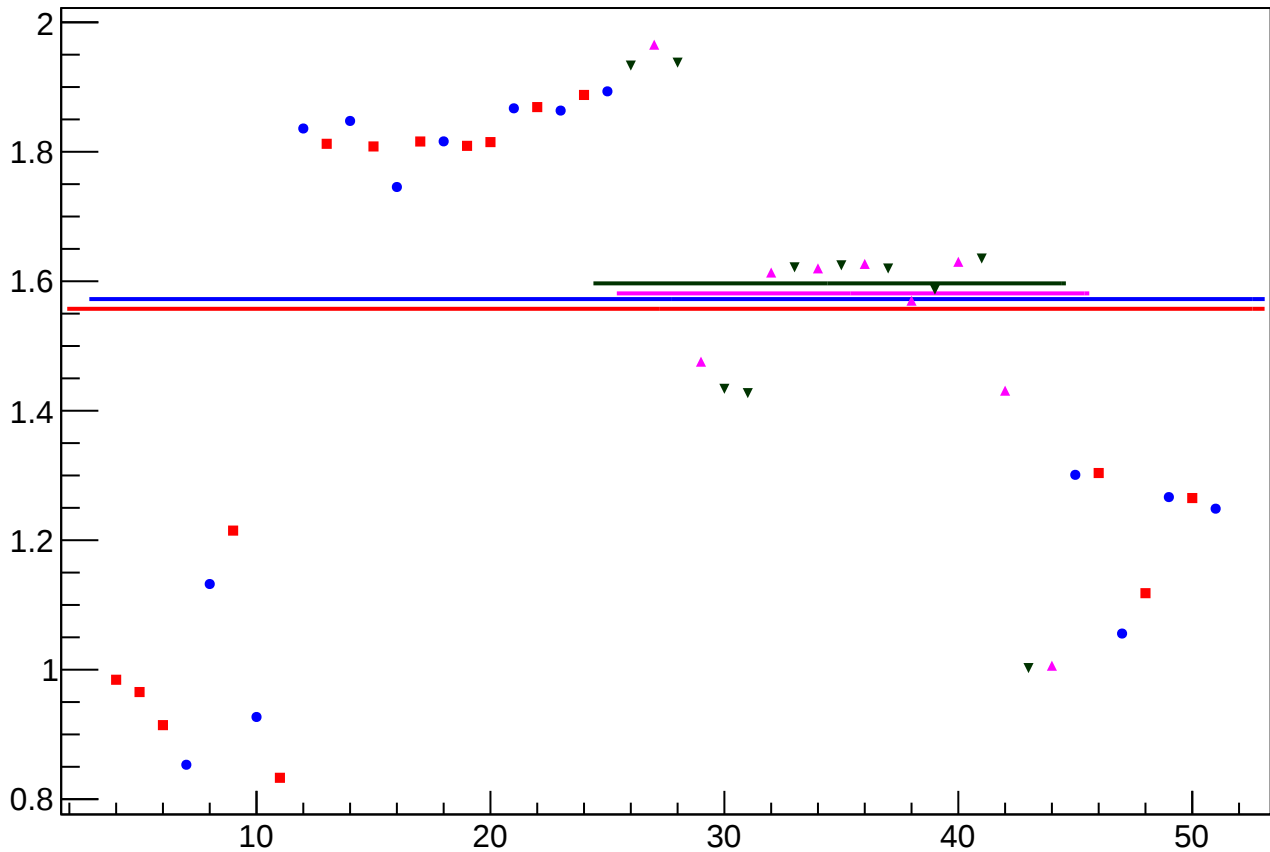
Right Out: 0.007 ± 0.000 χ^2/NDF : 2350302.6/14

Left In: 0.006 ± 0.000 χ^2/NDF : 142266.3/8

0.007 ± 0.000 χ^2/NDF : 2035042.2/23

0.007 ± 0.000 χ^2/NDF : 2661804.8/23

yield_bpm12Y_mean vs slug



Right In: 1.572 $\pm$ 0.000 χ^2 /NDF: 19876580236.1/13

Left Out: 1.597 $\pm$ 0.000 χ^2 /NDF: 6672070685.1/9

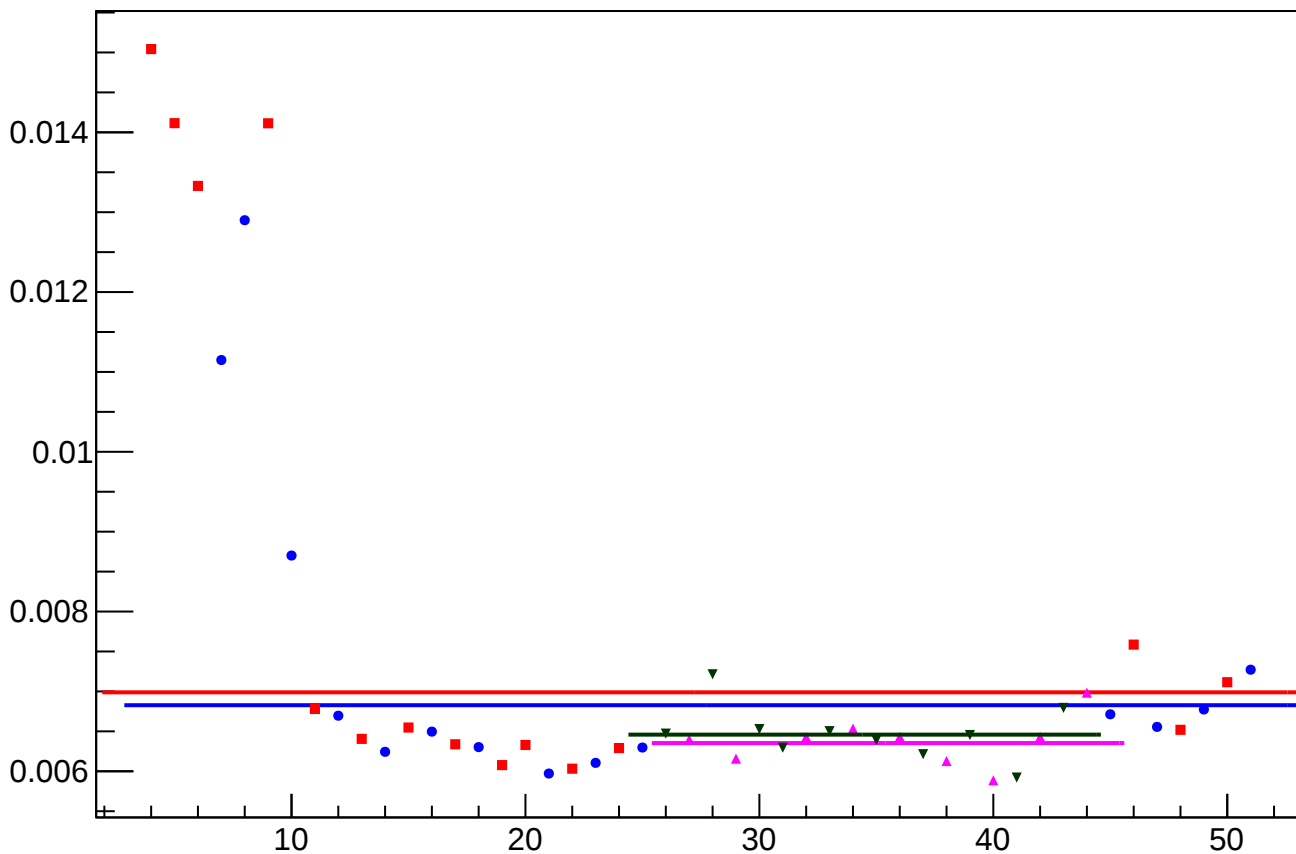
1.582 $\pm$ 0.000 χ^2 /NDF: 26589452535.1/23

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 : 606439.0/13

Left Out: 0.006+/-0.000 χ^2/NDF :26704.2/9

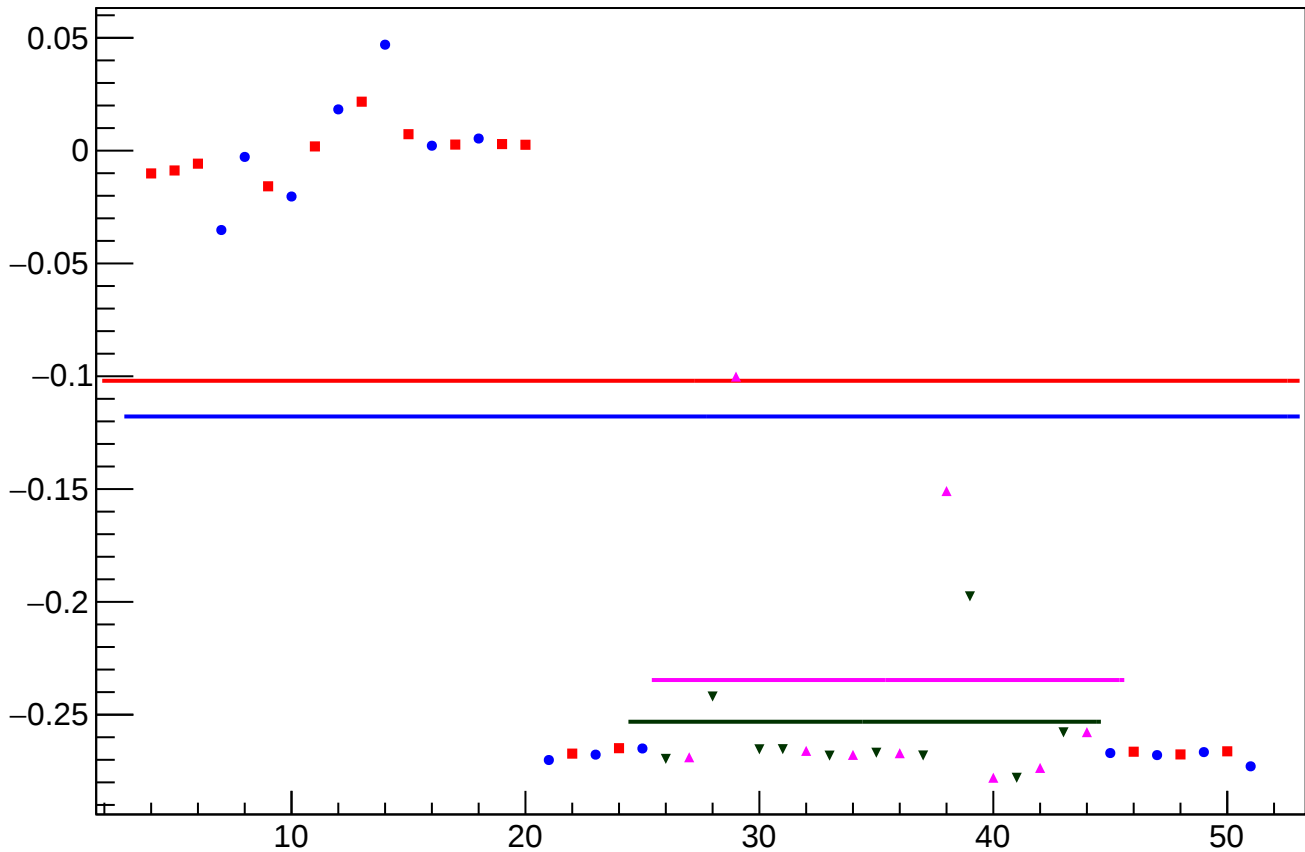
Right Out: 0.007+/-0.000 χ^2/NDF : 983667.9/14

Left In: 0.006+/-0.000 χ^2/NDF :17689.1/8

0.007+/-0.000 χ^2/NDF : 651969.2/23

0.007+/-0.000 χ^2/NDF : 1054915.4/23

yield_bpm16X_mean vs slug



Right In: -0.118+/-0.000 χ^2/NDF : 6305212873.2/13

Left Out: -0.253+/-0.000 χ^2/NDF : 114103318.3/9

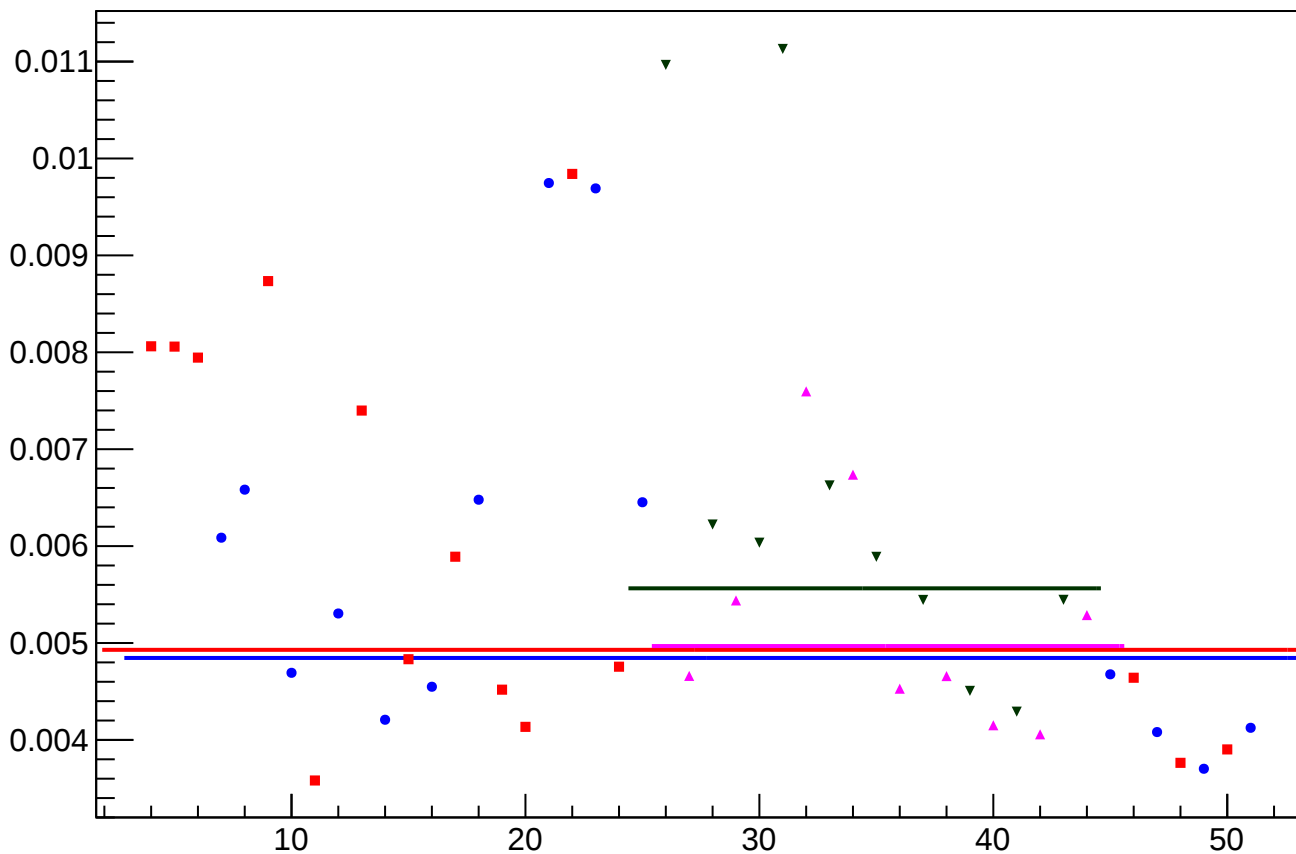
-0.160+/-0.000 χ^2/NDF : 8239732859.5/23

Right Out: -0.102+/-0.000 χ^2/NDF : 4652000619.1/14

-0.158+/-0.000 χ^2/NDF : 7428172083.6/23

Left In: -0.235+/-0.000 χ^2/NDF : 787599053.3/8

yield_bpm16X_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 1122108.8/13

Left Out: 0.006+/-0.000 χ^2/NDF : 608011.7/9

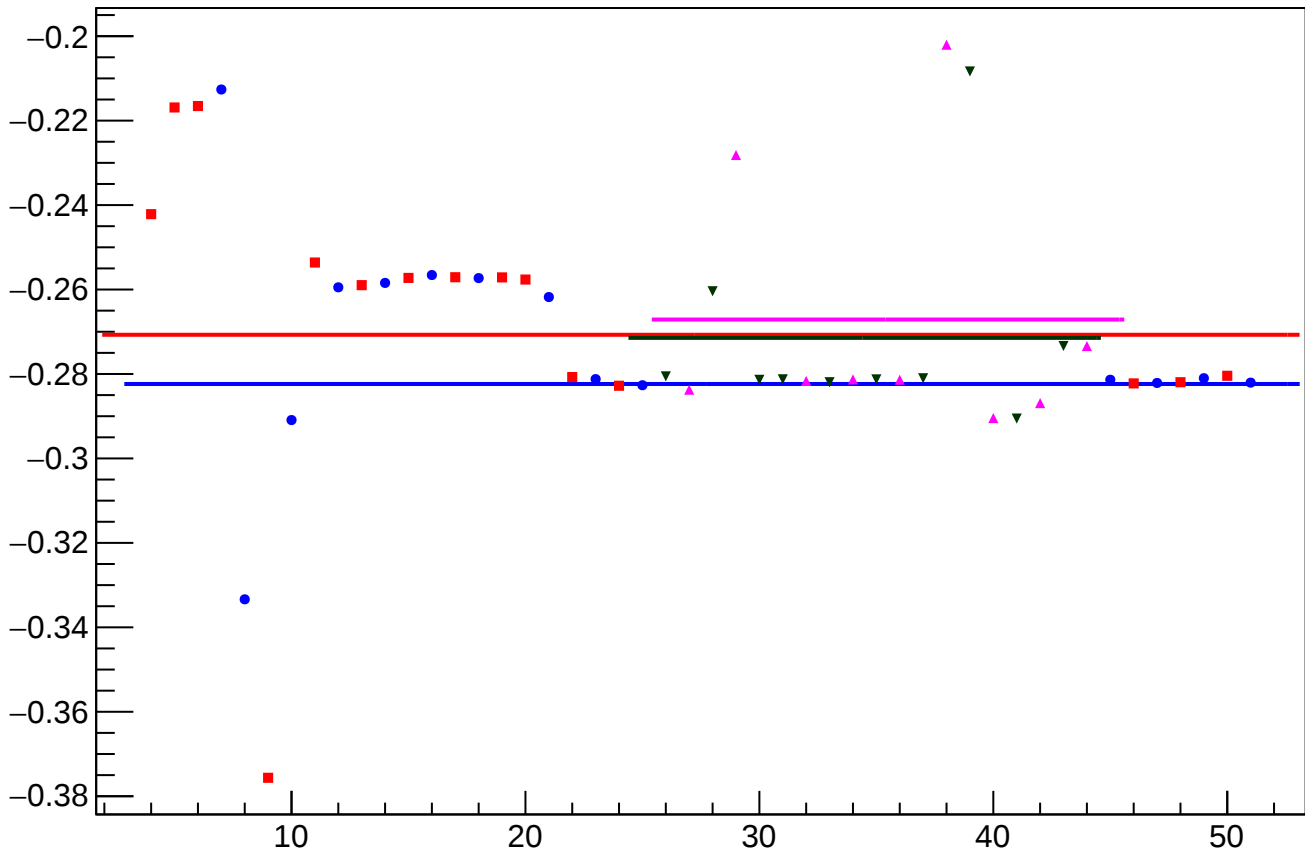
Right Out: 0.005+/-0.000 χ^2/NDF : 1404677.7/14

Left In: 0.005+/-0.000 χ^2/NDF : 366477.9/8

0.005+/-0.000 χ^2/NDF : 1832757.2/23

0.005+/-0.000 χ^2/NDF : 1771502.0/23

yield_bpm16Y_mean vs slug



Right In: -0.282+/-0.000 χ^2/NDF : 1067312046.7/13

Left Out: -0.271+/-0.000 χ^2/NDF : 349277523.0/9

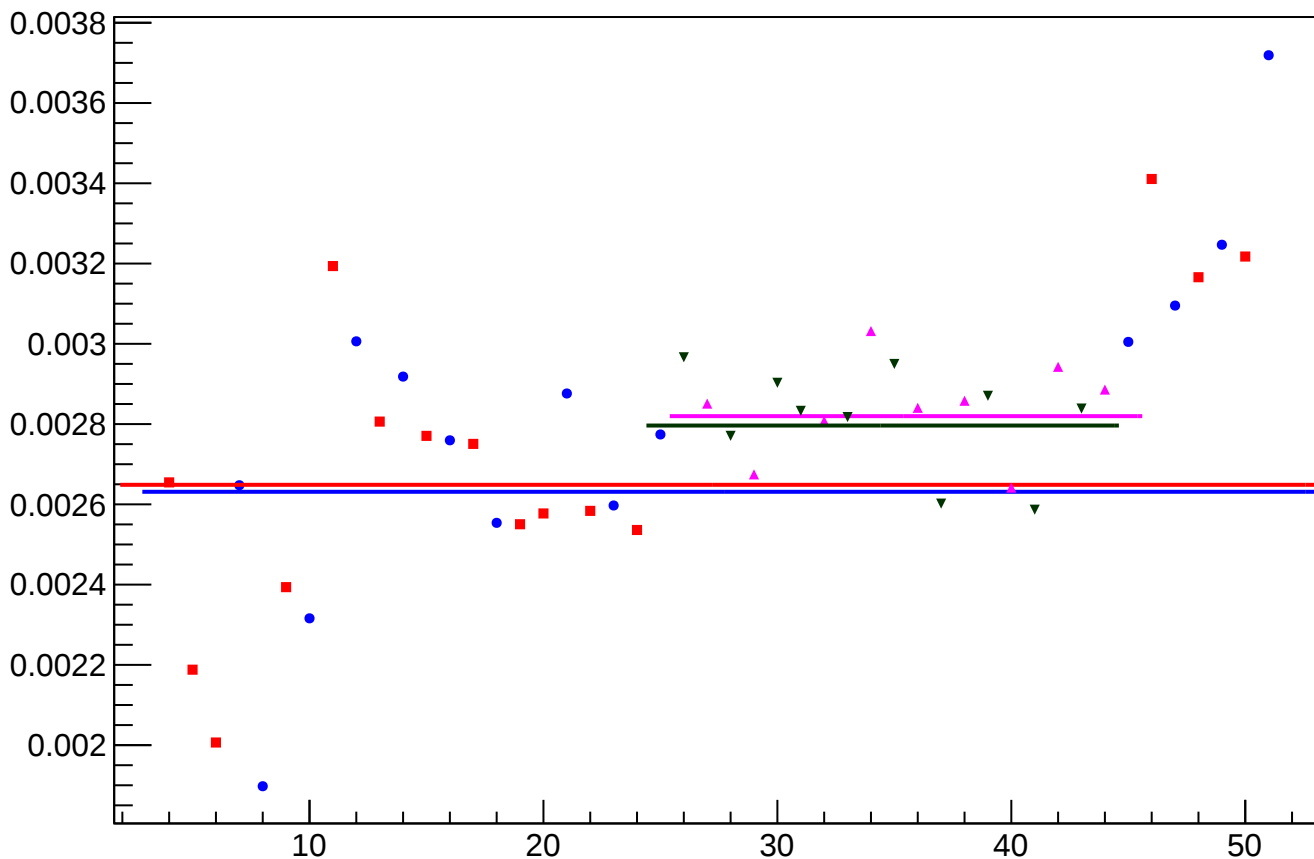
Right Out: -0.271+/-0.000 χ^2/NDF : 1953967142.6/14

Left In: -0.267+/-0.000 χ^2/NDF : 553669253.3/8

-0.279+/-0.000 χ^2/NDF : 1467347251.9/23

-0.269+/-0.000 χ^2/NDF : 2513050843.8/23

yield_bpm16Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 523346.0/13

Left Out: 0.003+/-0.000 χ^2/NDF : 22003.3/9

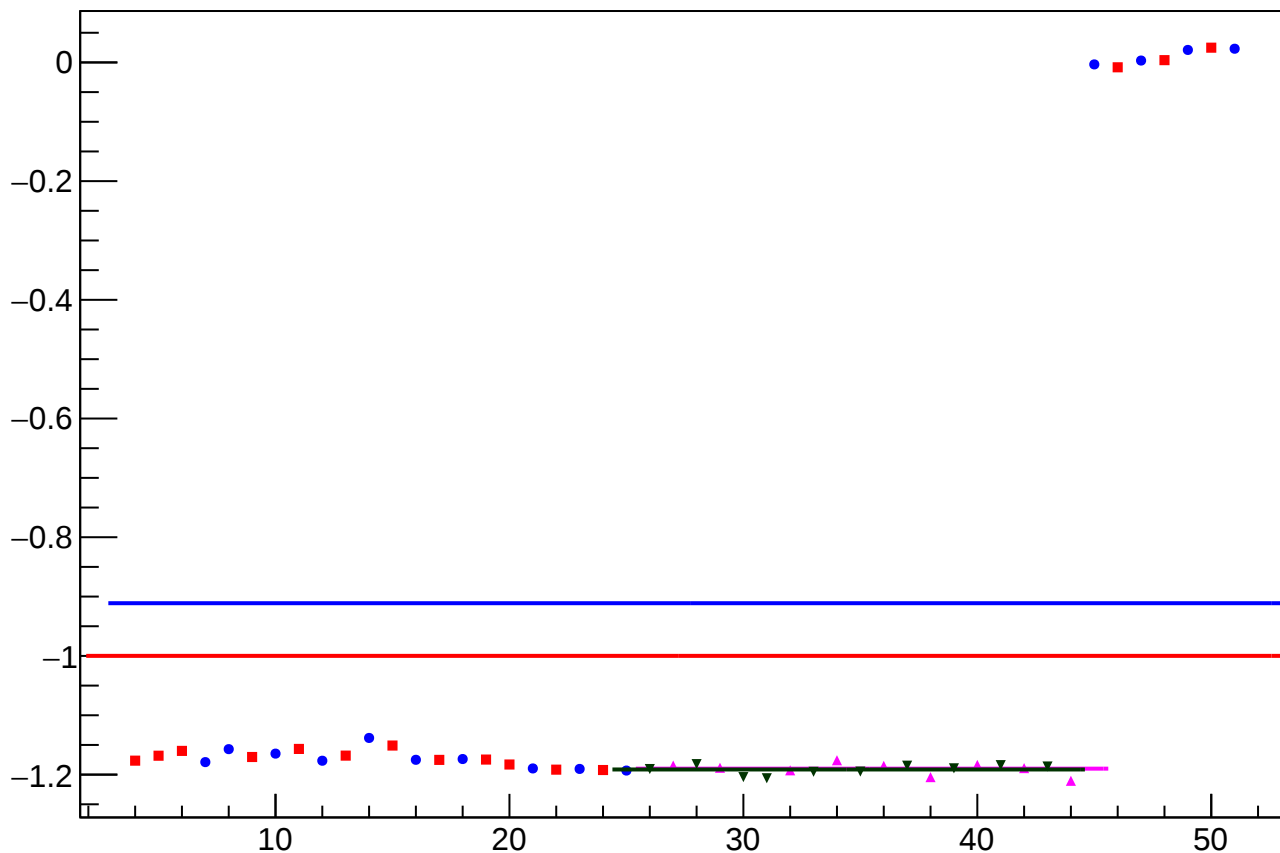
Right Out: 0.003+/-0.000 χ^2/NDF : 294641.1/14

Left In: 0.003+/-0.000 χ^2/NDF : 16488.2/8

0.003+/-0.000 χ^2/NDF : 568538.0/23

0.003+/-0.000 χ^2/NDF : 335476.6/23

yield_bpm2i01X_mean vs slug



Right In: -0.911+/-0.000 χ^2/NDF : 39186829508.6/13

Left Out: -1.191+/-0.000 χ^2/NDF : 4812748.3/9

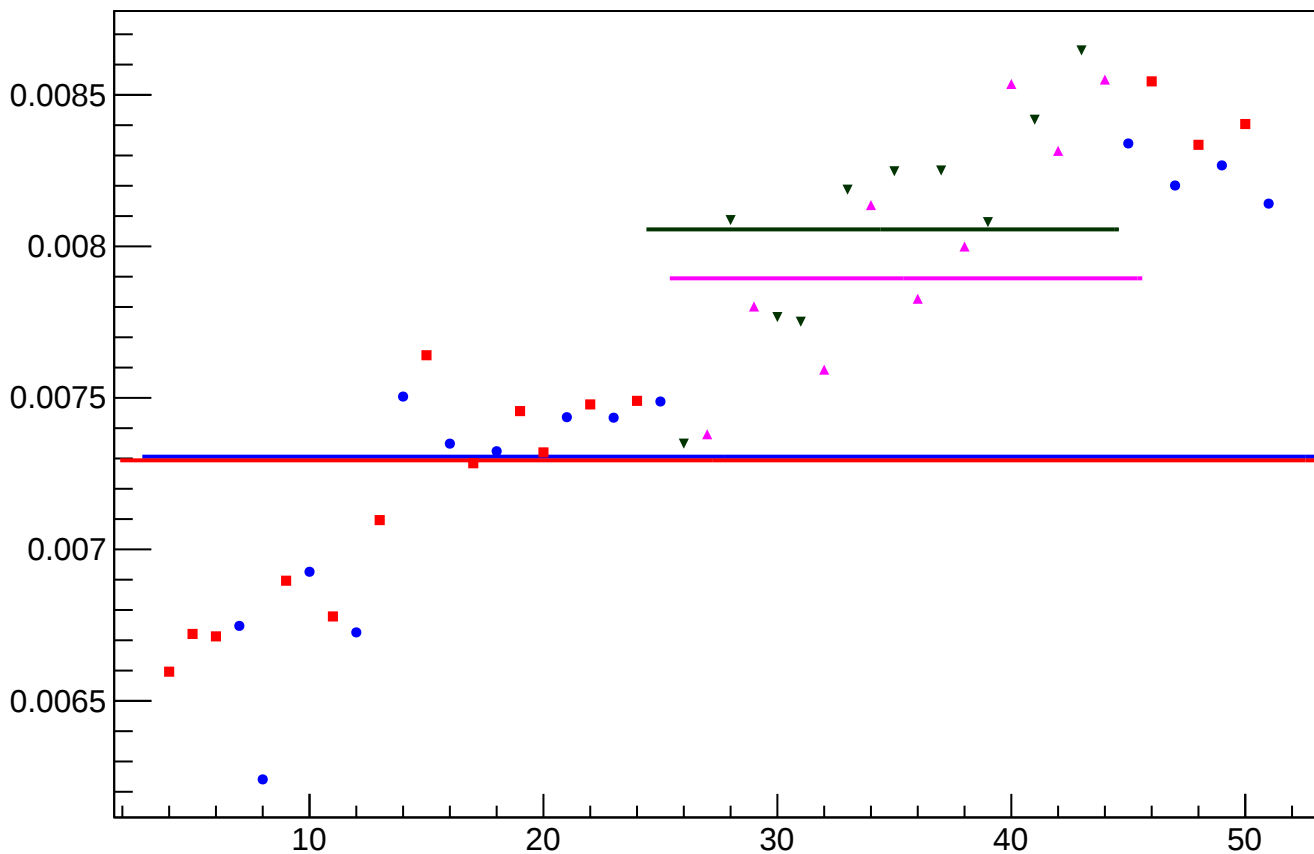
Right Out: -1.000+/-0.000 χ^2/NDF : 25304783087.5/14

Left In: -1.190+/-0.000 χ^2/NDF : 6924812.0/8

-1.003+/-0.000 χ^2/NDF : 43449264630.2/23

-1.071+/-0.000 χ^2/NDF : 27307410805.4/23

yield_bpm2i01X_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 136220.2/13

Left Out: 0.008+/-0.000 χ^2/NDF :19479.9/9

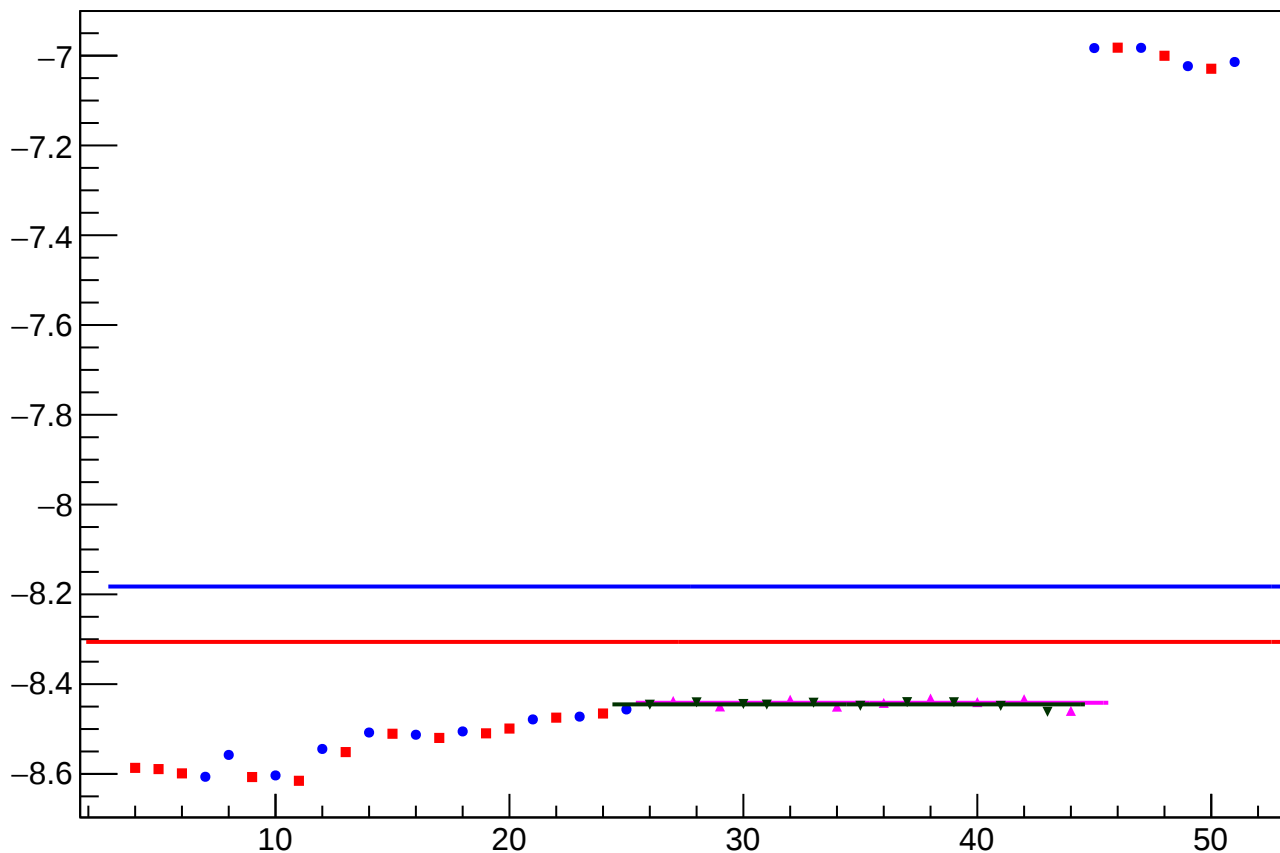
Right Out: 0.007+/-0.000 χ^2/NDF : 92071.7/14

Left In: 0.008+/-0.000 χ^2/NDF :26175.0/8

0.008+/-0.000 χ^2/NDF : 216745.3/23

0.008+/-0.000 χ^2/NDF : 158120.8/23

yield_bpm2i01Y_mean vs slug



Right In: -8.183+/-0.000 χ^2 /NDF: 74469983843.0/13

Left Out: -8.445+/-0.000 χ^2 /NDF:3367094.4/9

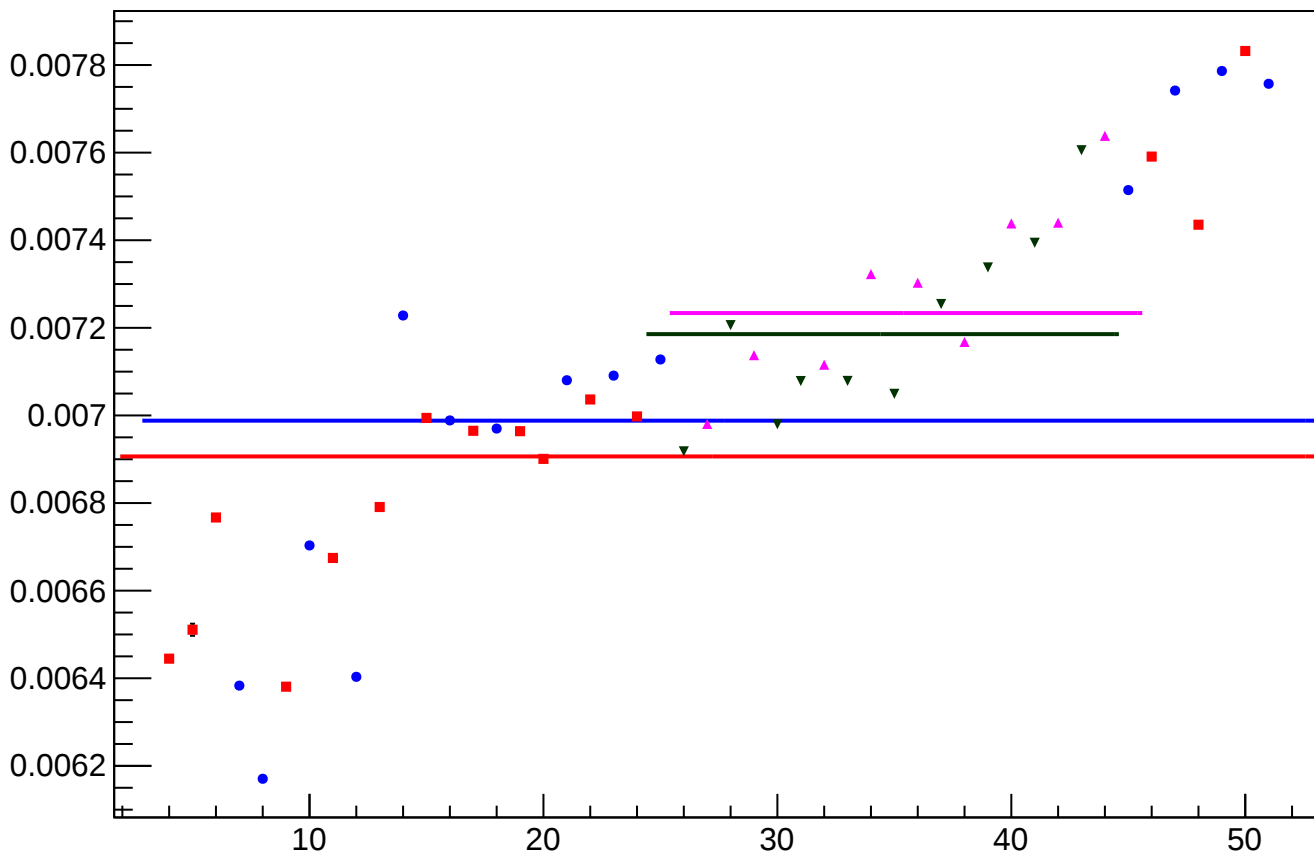
Right Out: -8.306+/-0.000 χ^2 /NDF: 52532161727.0/14

Left In: -8.441+/-0.000 χ^2 /NDF:7266938.1/8

-8.278+/-0.000 χ^2 /NDF: 79020363861.4/23

-8.360+/-0.000 χ^2 /NDF: 53736731991.3/23

yield_bpm2i01Y_rms vs slug



Right In: 0.007 ± 0.000 χ^2/NDF : 95046.4/13

Left Out: 0.007 ± 0.000 χ^2/NDF : 7631.6/9

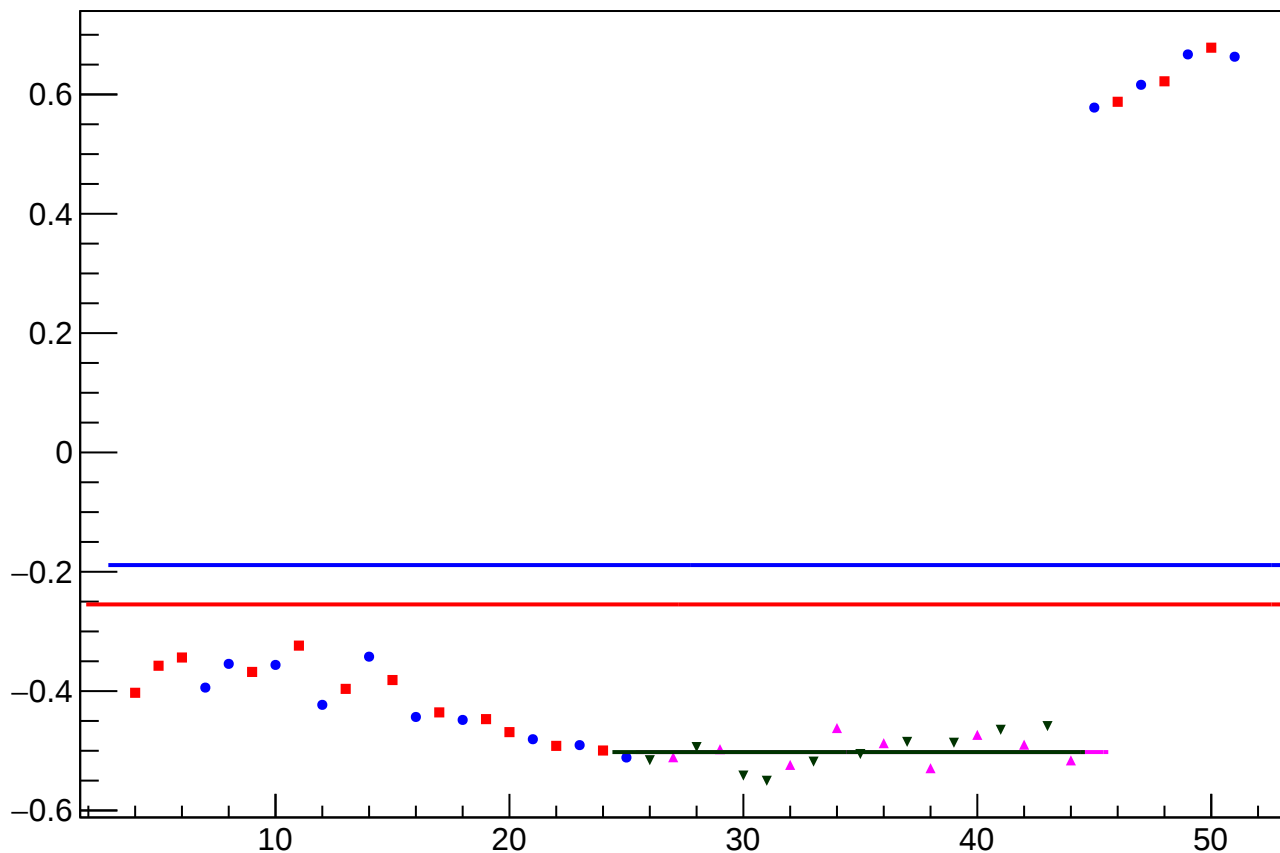
Right Out: 0.007 ± 0.000 χ^2/NDF : 46695.1/14

Left In: 0.007 ± 0.000 χ^2/NDF : 7802.2/8

0.007 ± 0.000 χ^2/NDF : 107827.8/23

0.007 ± 0.000 χ^2/NDF : 68461.3/23

yield_bpm2i02X_mean vs slug



Right In: -0.189+/-0.000 χ^2/NDF : 4708741498.4/13

Left Out: -0.502+/-0.000 χ^2/NDF :9337230.3/9

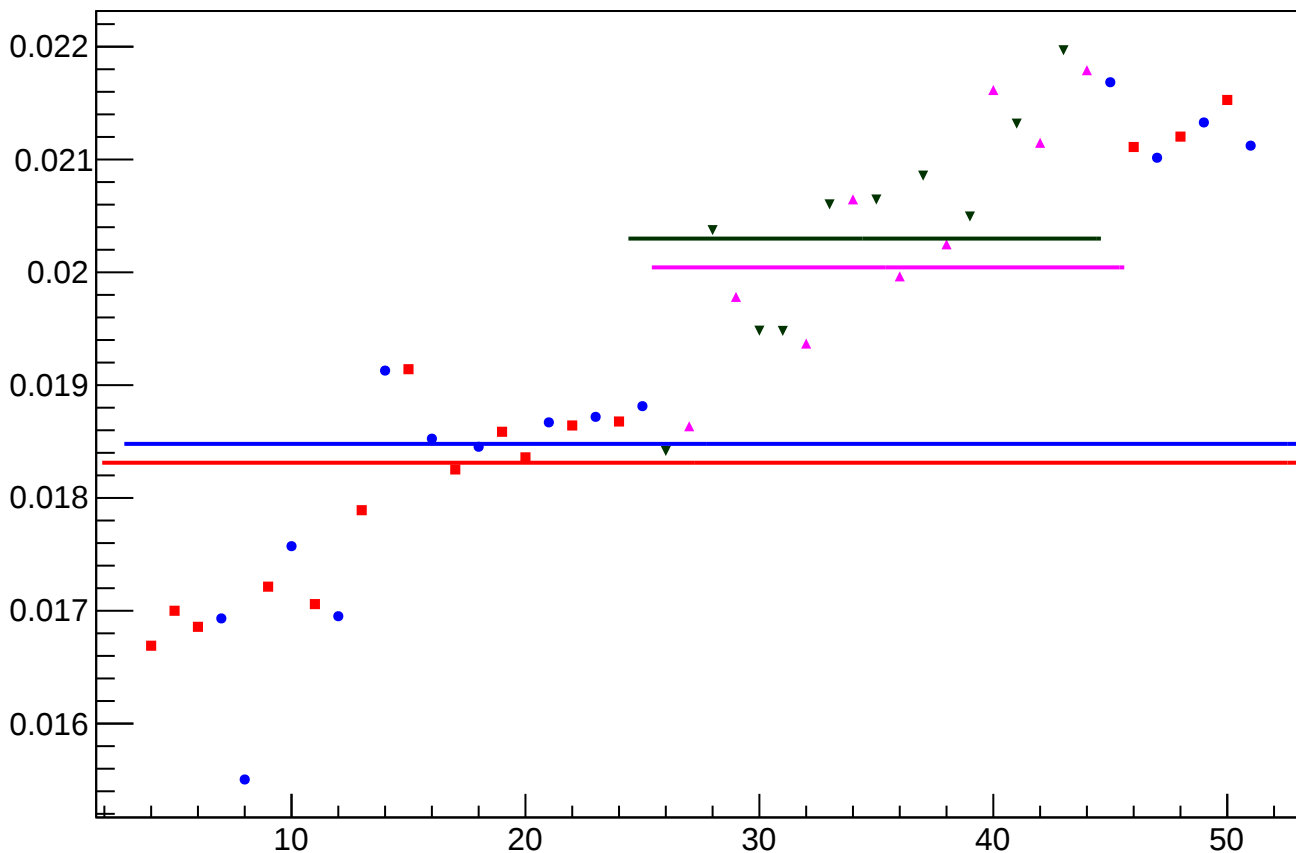
Right Out: -0.255+/-0.000 χ^2/NDF : 3122914734.7/14

Left In: -0.502+/-0.000 χ^2/NDF :5607835.8/8

-0.293+/-0.000 χ^2/NDF : 5556320899.7/23

-0.347+/-0.000 χ^2/NDF : 3658757000.2/23

yield_bpm2i02X_rms vs slug



Right In: 0.018+/-0.000 χ^2/NDF : 174897.5/13

Left Out: 0.020+/-0.000 χ^2/NDF :22702.3/9

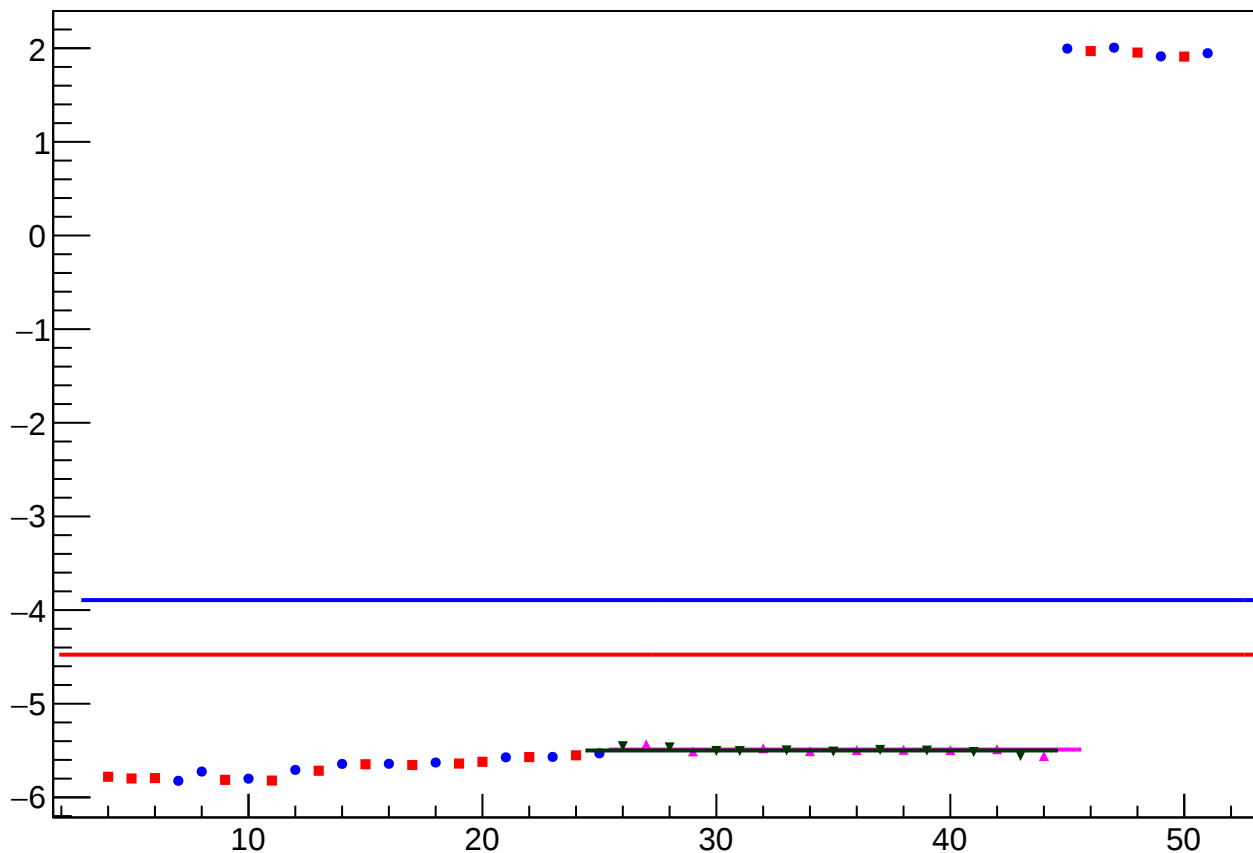
0.019+/-0.000 χ^2/NDF : 254116.7/23

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: -3.894+/-0.000 χ^2/NDF : 623200453372.8/13

Left Out: -5.499+/-0.000 χ^2/NDF : 23863148.1/9

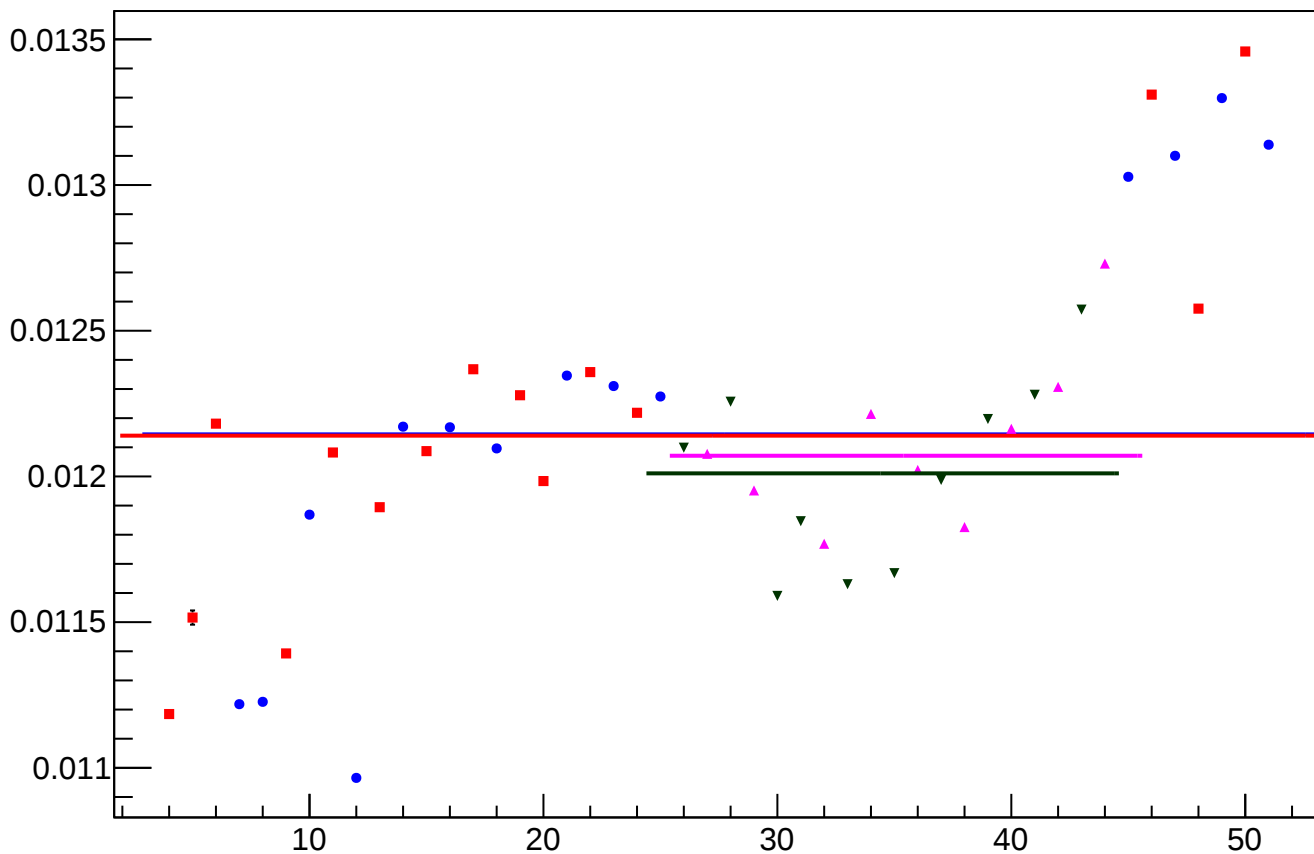
Right Out: -4.476+/-0.000 χ^2/NDF : 418634411083.5/14

Left In: -5.490+/-0.000 χ^2/NDF : 37957034.6/8

-4.508+/-0.000 χ^2/NDF : 682289901939.1/23

-4.904+/-0.000 χ^2/NDF : 441626591209.7/23

yield_bpm2i02Y_rms vs slug



Right In: 0.012+/-0.000 χ^2/NDF : 60102.7/13

Left Out: 0.012+/-0.000 χ^2/NDF : 6913.8/9

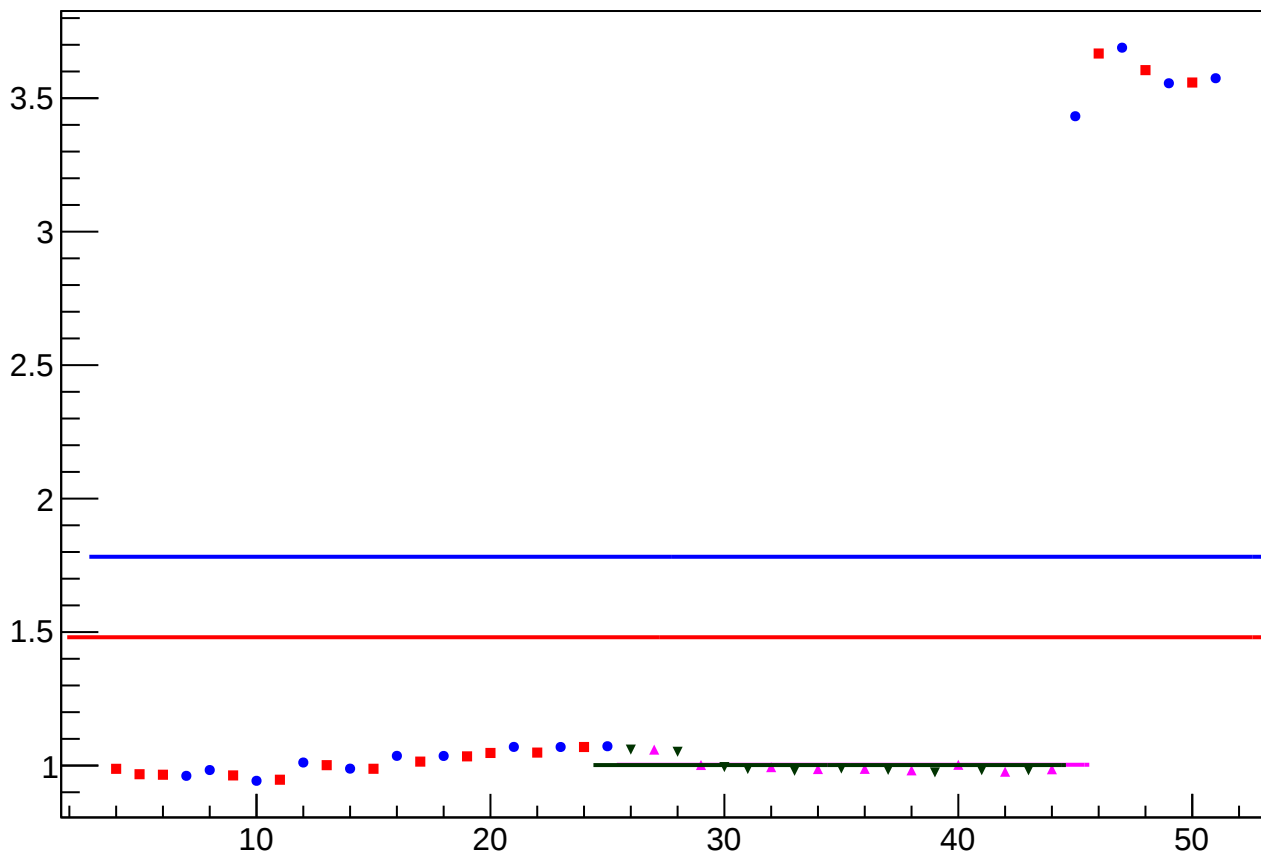
Right Out: 0.012+/-0.000 χ^2/NDF : 33046.5/14

Left In: 0.012+/-0.000 χ^2/NDF : 5130.3/8

0.012+/-0.000 χ^2/NDF : 67836.7/23

0.012+/-0.000 χ^2/NDF : 38389.1/23

yield_bpm1i04X_mean vs slug



Right In: 1.782+/-0.000 χ^2/NDF : 201781583825.3/13

Left Out: 1.002+/-0.000 χ^2/NDF :93267140.0/9

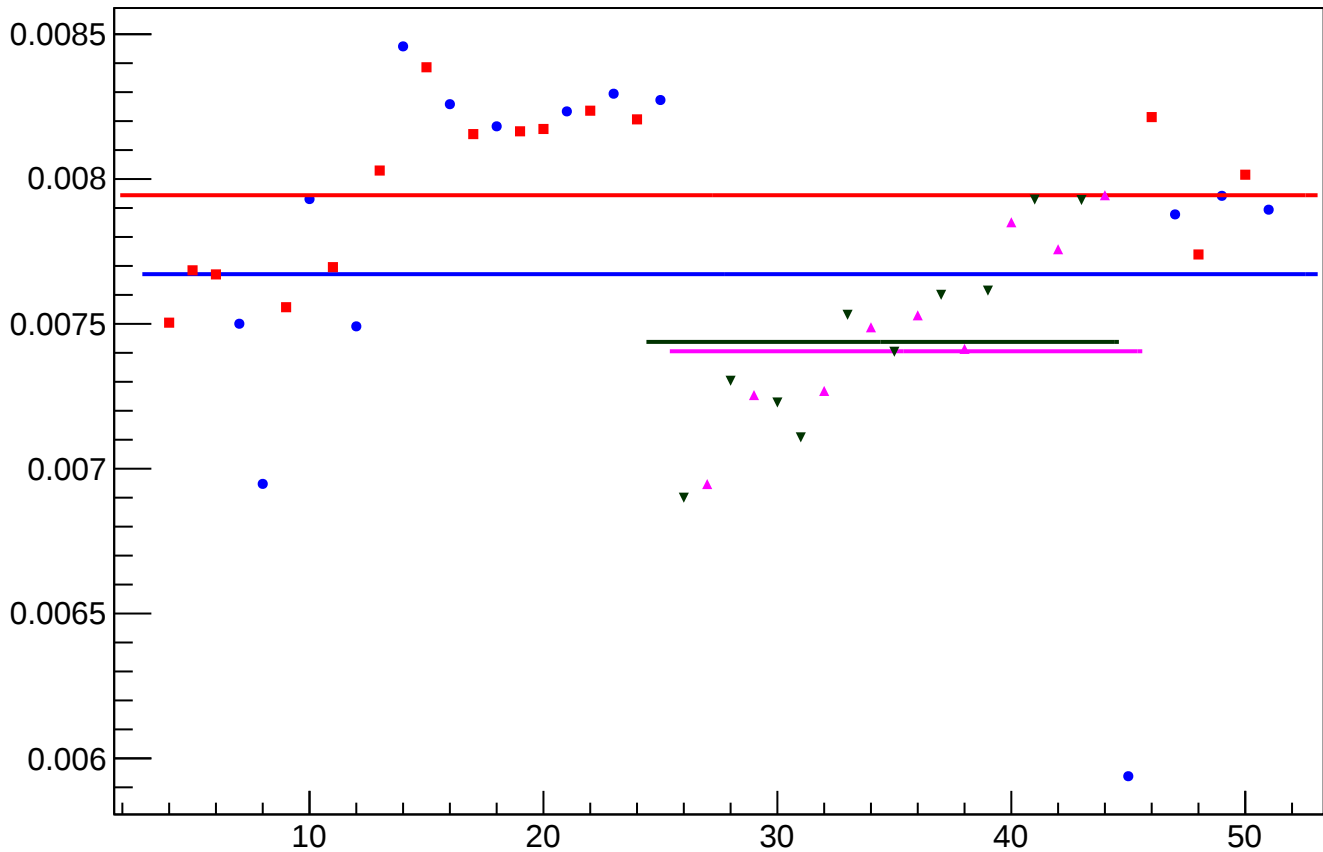
Right Out: 1.481+/-0.000 χ^2/NDF : 126780499764.4/14

Left In: 1.003+/-0.000 χ^2/NDF :73816796.1/8

1.477+/-0.000 χ^2/NDF : 237270688232.4/23

1.266+/-0.000 χ^2/NDF : 139547971316.2/23

yield_bpm1i04X_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 170927.5/13

Left Out: 0.007+/-0.000 χ^2/NDF :18100.0/9

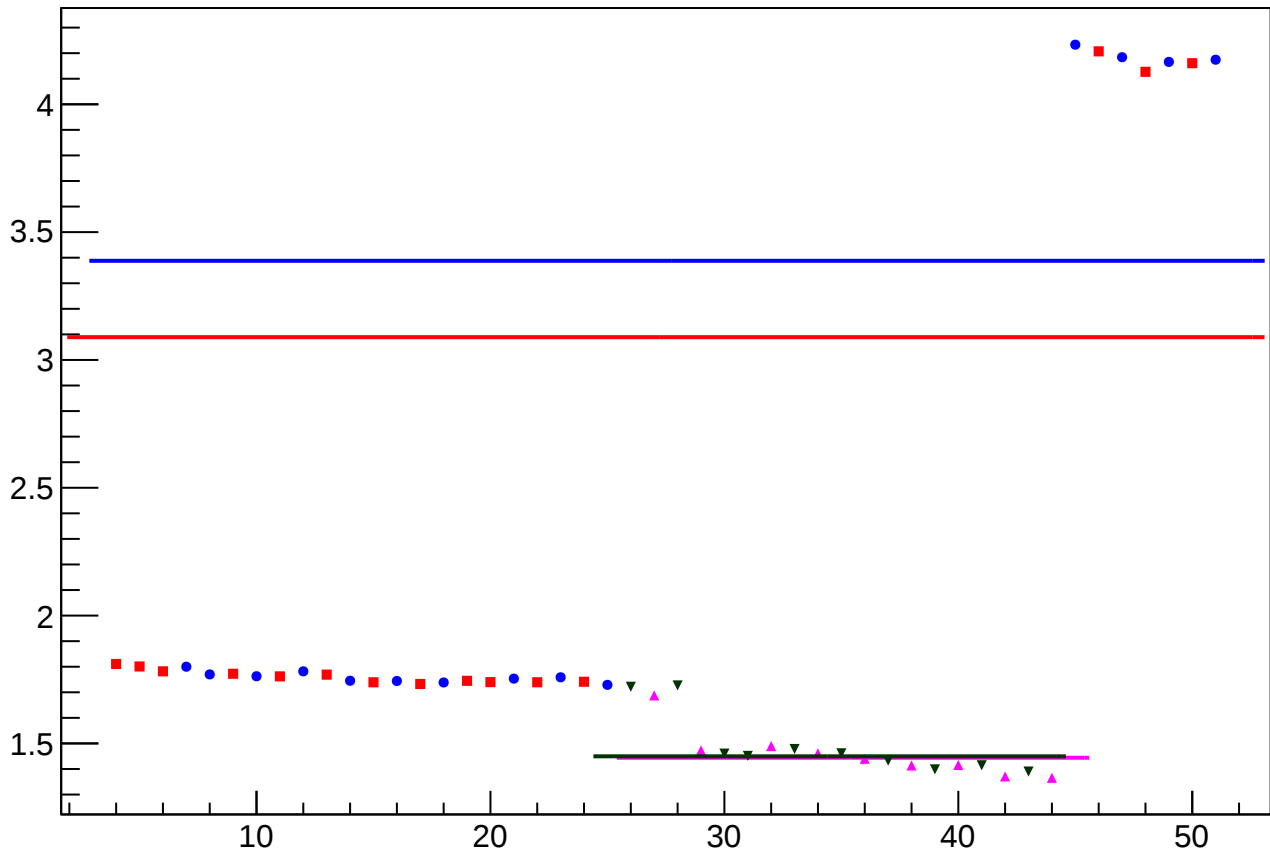
Right Out: 0.008+/-0.000 χ^2/NDF : 19170.5/14

Left In: 0.007+/-0.000 χ^2/NDF :18945.2/8

0.008+/-0.000 χ^2/NDF : 195384.3/23

0.008+/-0.000 χ^2/NDF : 70414.7/23

yield_bpm1i04Y_mean vs slug



Right In: 3.388+/-0.000 χ^2/NDF : 409527736312.8/13

Left Out: 1.450+/-0.000 χ^2/NDF : 719591225.9/9

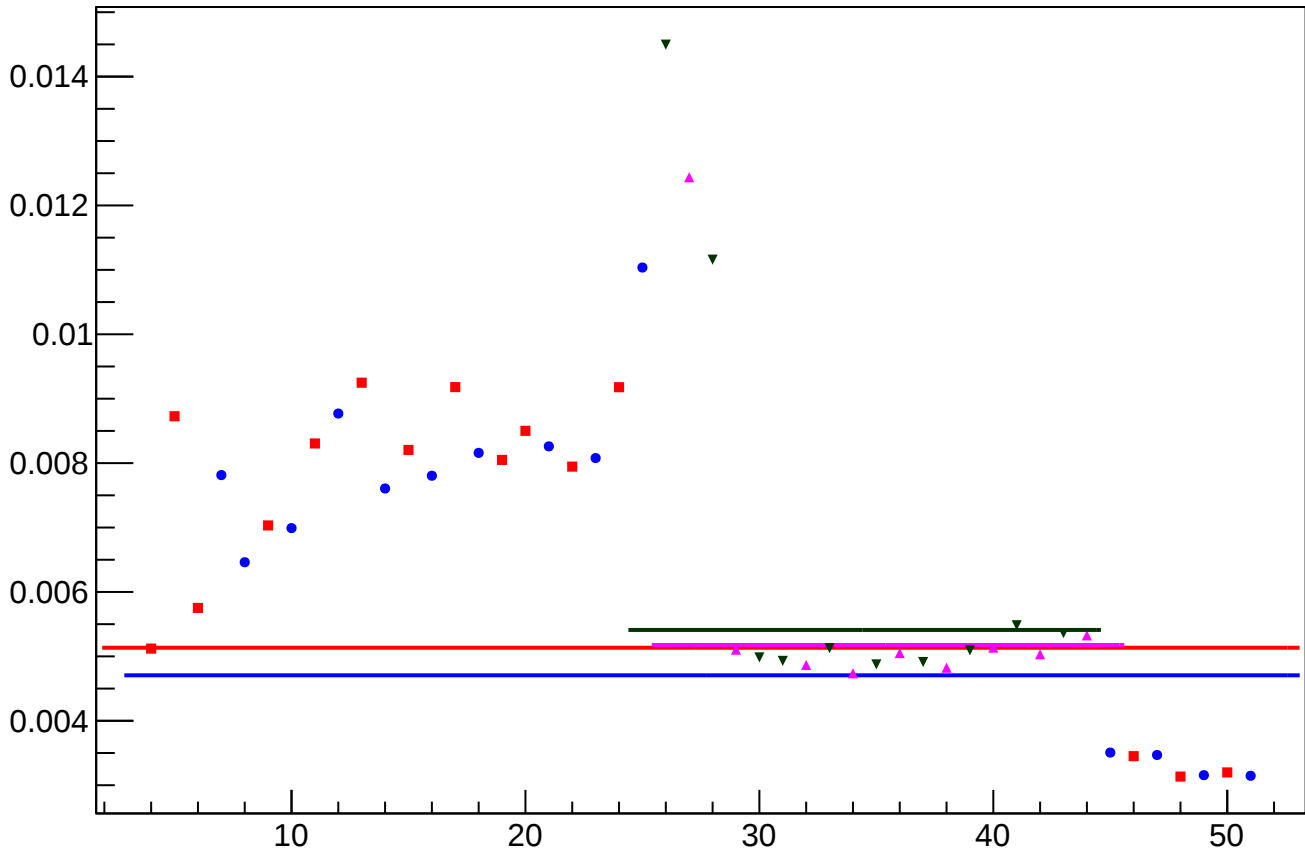
2.737+/-0.000 χ^2/NDF : 808104746147.2/23

Right Out: 3.089+/-0.000 χ^2/NDF : 332132364167.1/14

Left In: 1.444+/-0.000 χ^2/NDF : 633323170.8/8

2.357+/-0.000 χ^2/NDF : 615010410613.3/23

yield_bpm1i04Y_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 2784871.5/13

Left Out: 0.005+/-0.000 χ^2/NDF : 753040.6/9

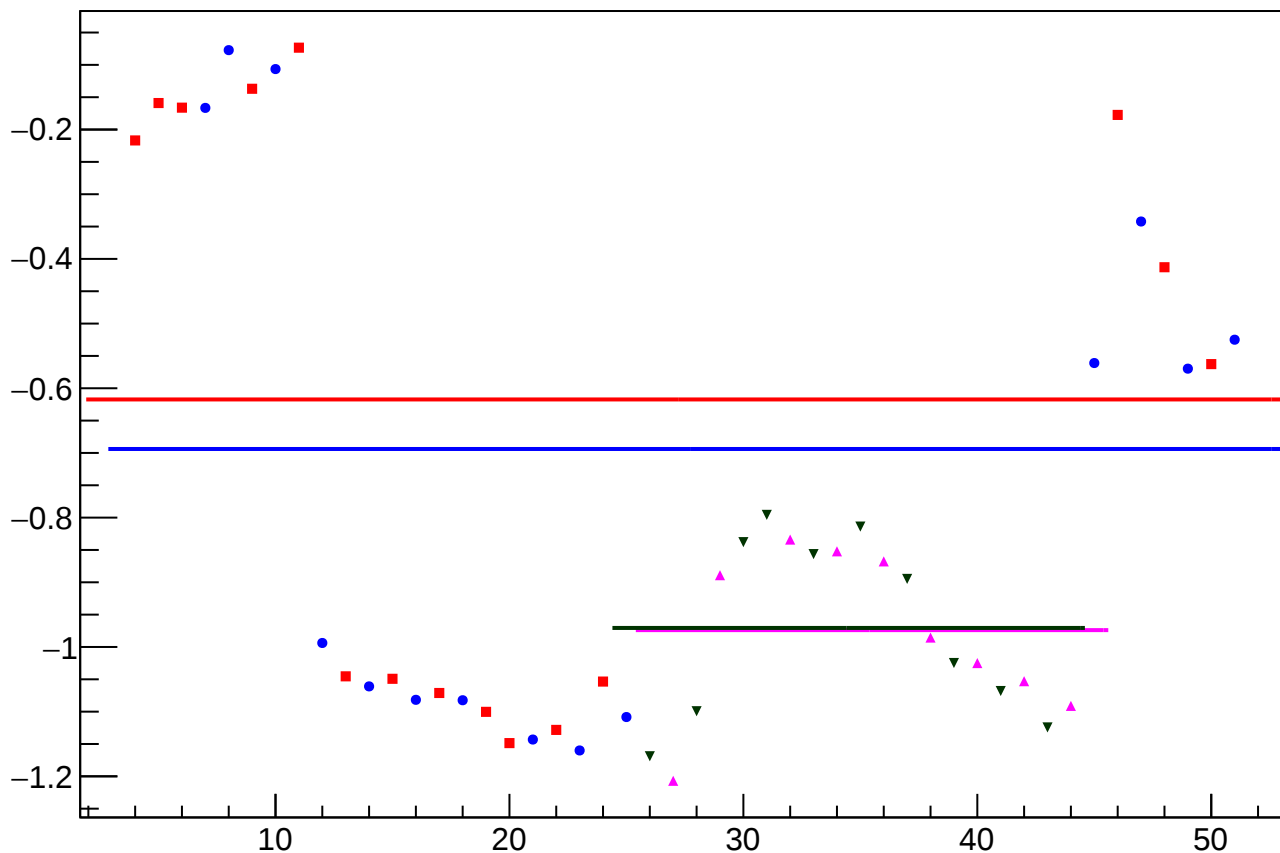
Right Out: 0.005+/-0.000 χ^2/NDF : 2525308.7/14

Left In: 0.005+/-0.000 χ^2/NDF : 514197.3/8

0.005+/-0.000 χ^2/NDF : 3642968.4/23

0.005+/-0.000 χ^2/NDF : 3039880.4/23

yield_bpm0l01X_mean vs slug



Right In: -0.694+/-0.000 χ^2/NDF : 18702533719.9/13

Left Out: -0.971+/-0.000 χ^2/NDF : 1156218036.6/9

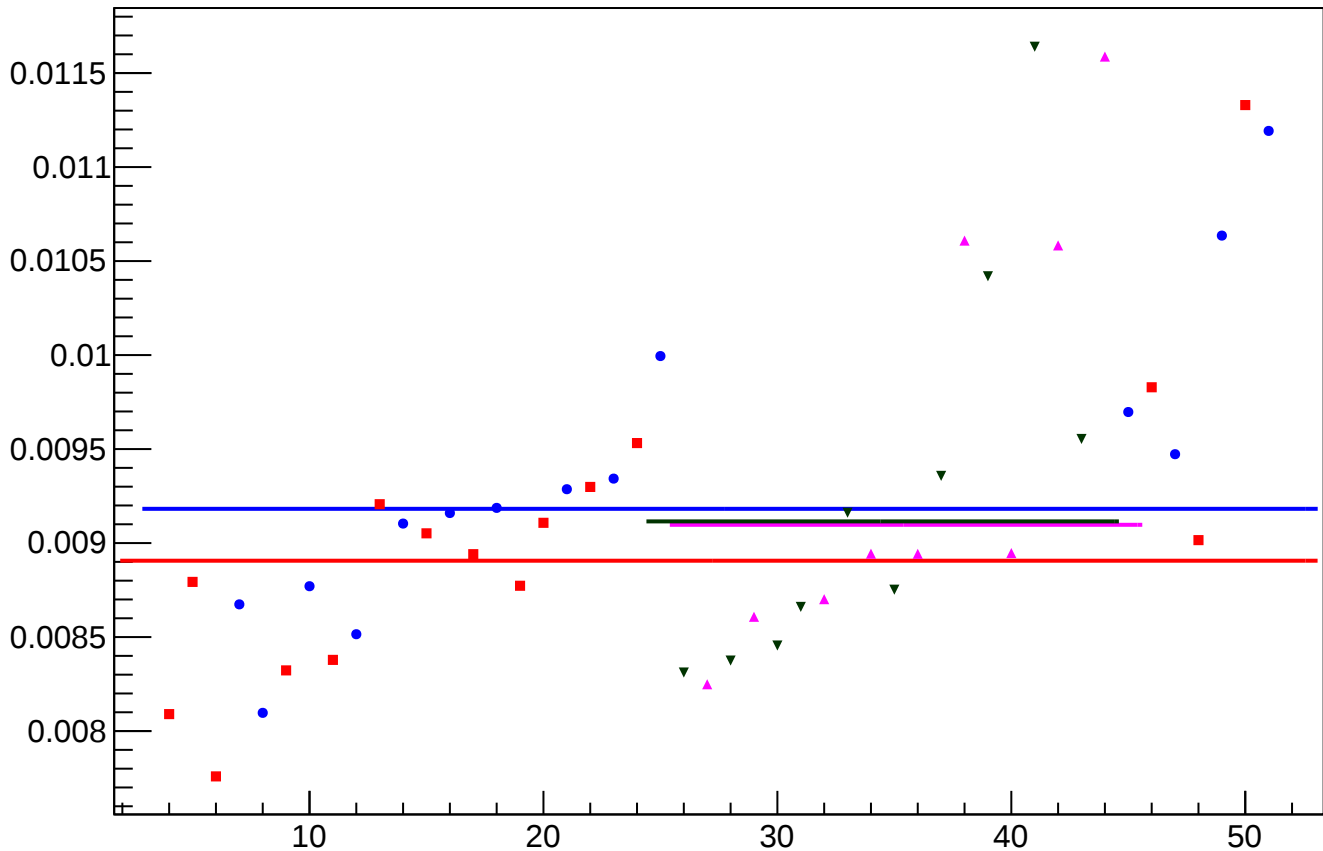
Right Out: -0.617+/-0.000 χ^2/NDF : 19155858755.1/14

Left In: -0.974+/-0.000 χ^2/NDF : 1225322966.4/8

-0.798+/-0.000 χ^2/NDF : 22815513447.1/23

-0.763+/-0.000 χ^2/NDF : 25376559439.9/23

yield_bpm0l01X_rms vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 113562.8/13

Left Out: 0.009+/-0.000 χ^2/NDF :104201.5/9

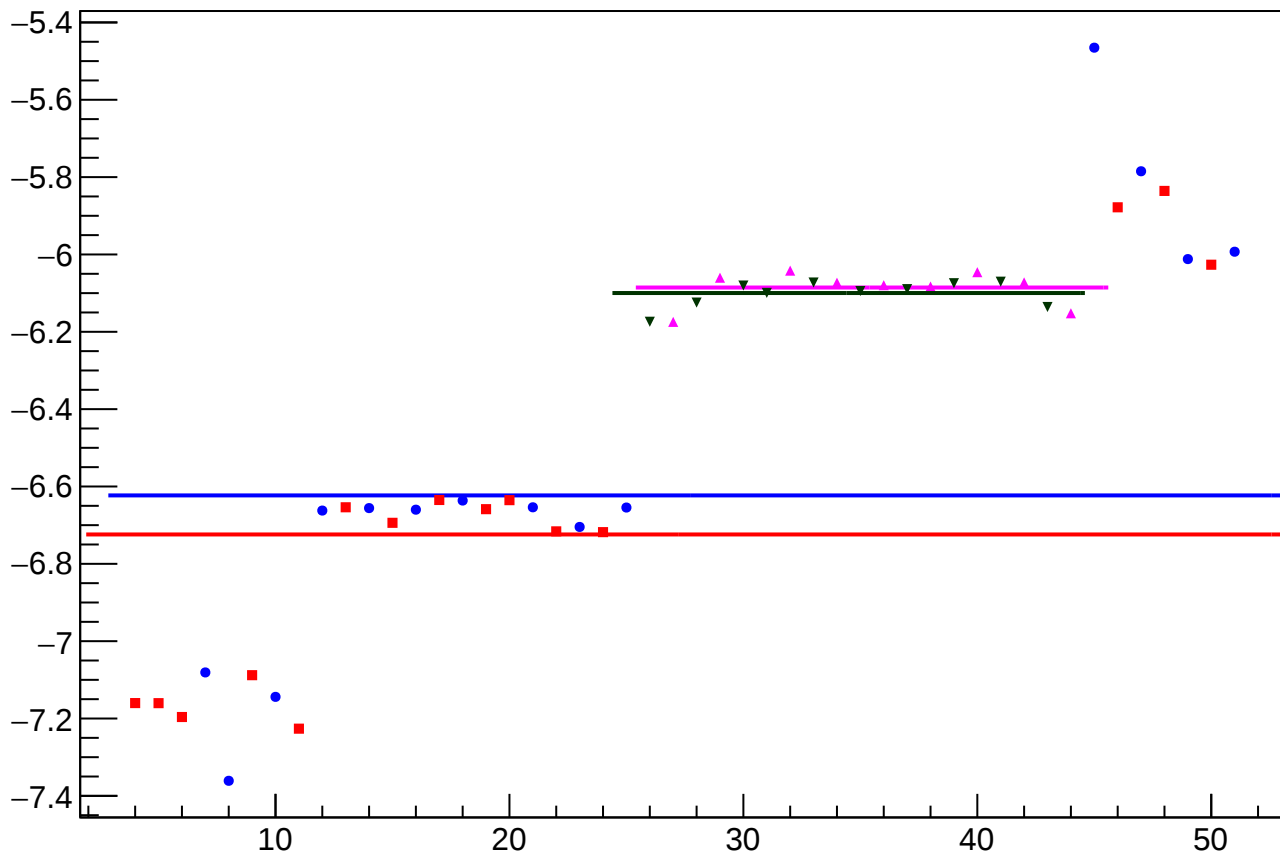
0.009+/-0.000 χ^2/NDF : 218109.7/23

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: -6.623+/-0.000 χ^2/NDF : 27565210377.6/13

Left Out: -6.100+/-0.000 χ^2/NDF : 52135577.5/9

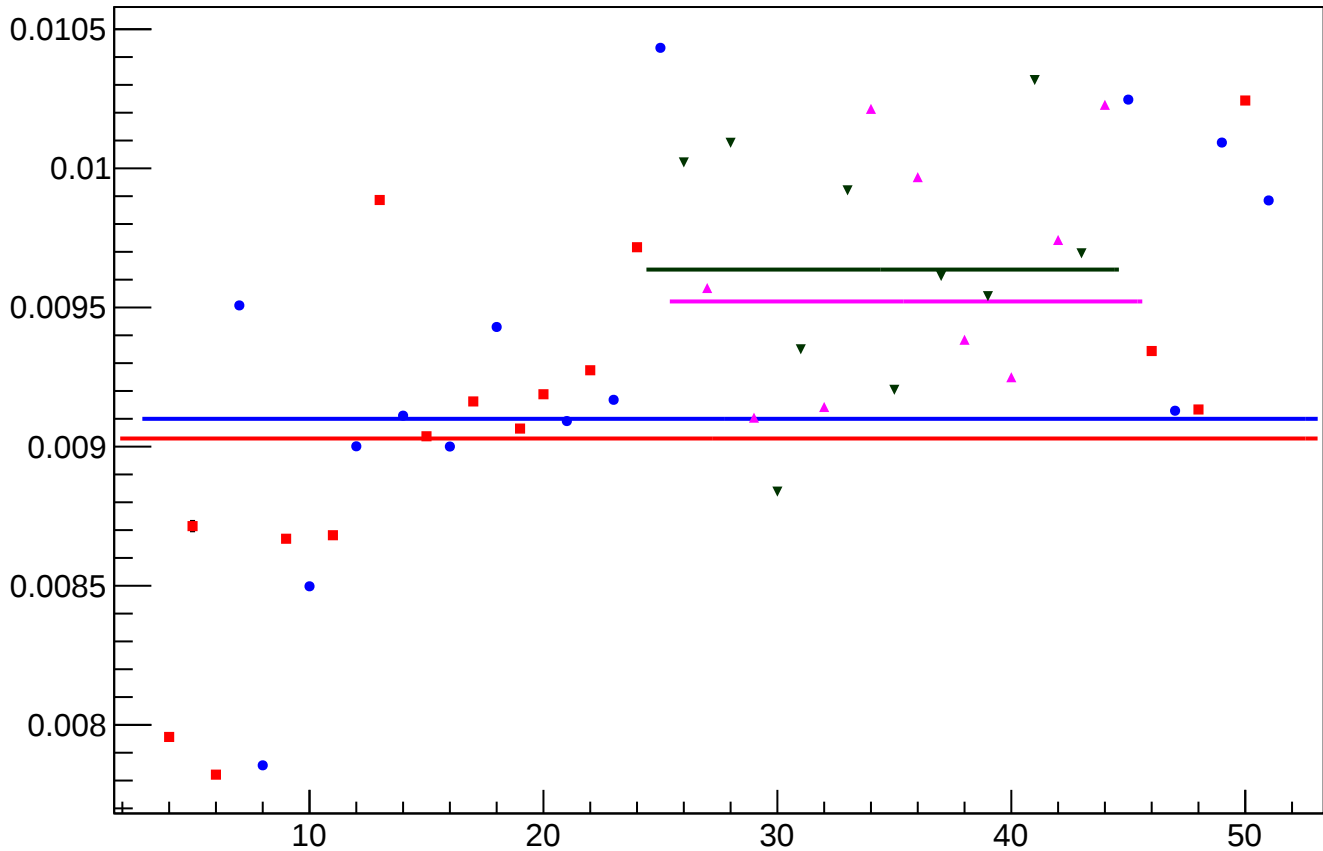
-6.441+/-0.000 χ^2/NDF : 37468812584.0/23

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 : 98467.5/13

Left Out: 0.010+/-0.000 χ^2/NDF :21331.0/9

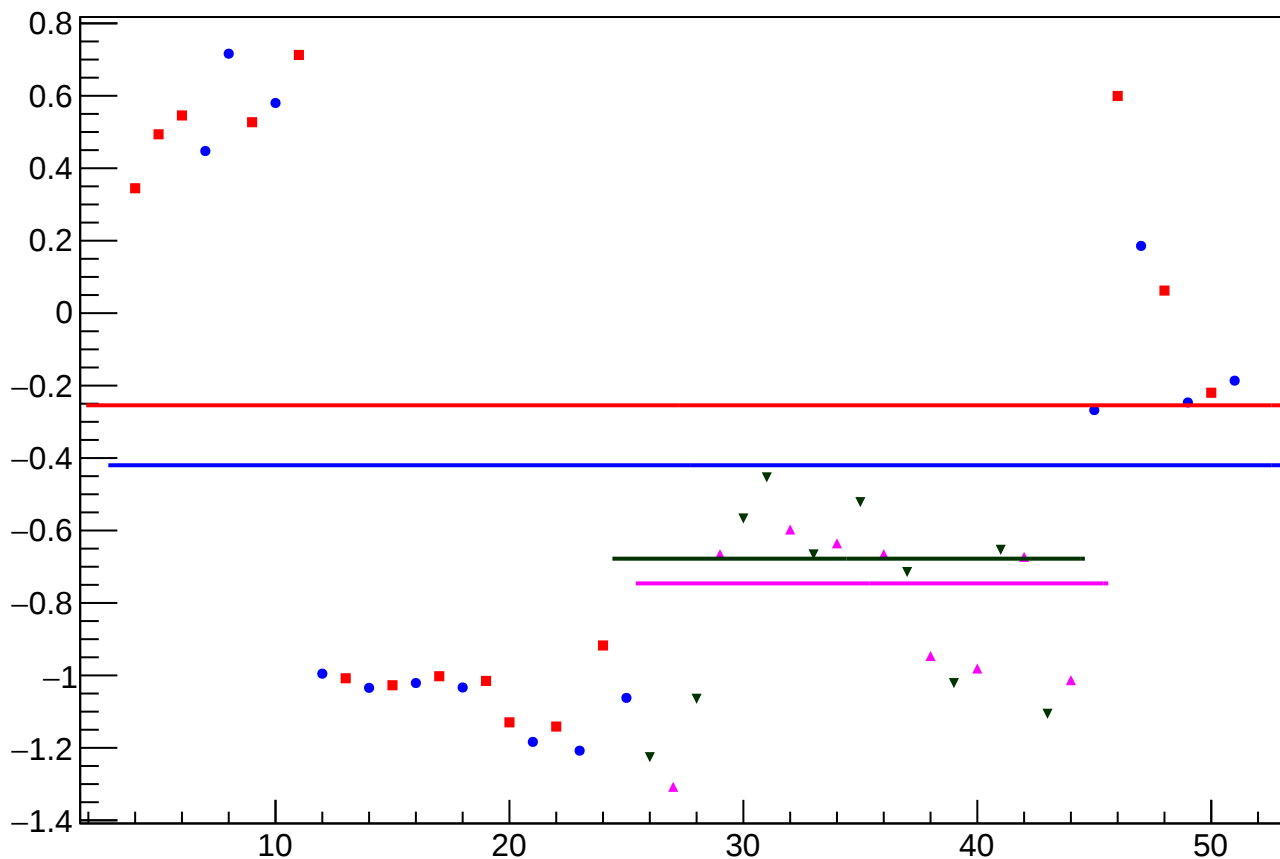
Right Out: 0.009+/-0.000 χ^2/NDF : 78718.2/14

Left In: 0.010+/-0.000 χ^2/NDF :19294.1/8

0.009+/-0.000 χ^2/NDF : 140493.2/23

0.009+/-0.000 χ^2/NDF : 115726.6/23

yield_bpm0l02X_mean vs slug



Right In: -0.420 ± 0.000 χ^2/NDF : 9964303637.4/13

Left Out: -0.678 ± 0.000 χ^2/NDF : 1358570765.2/9

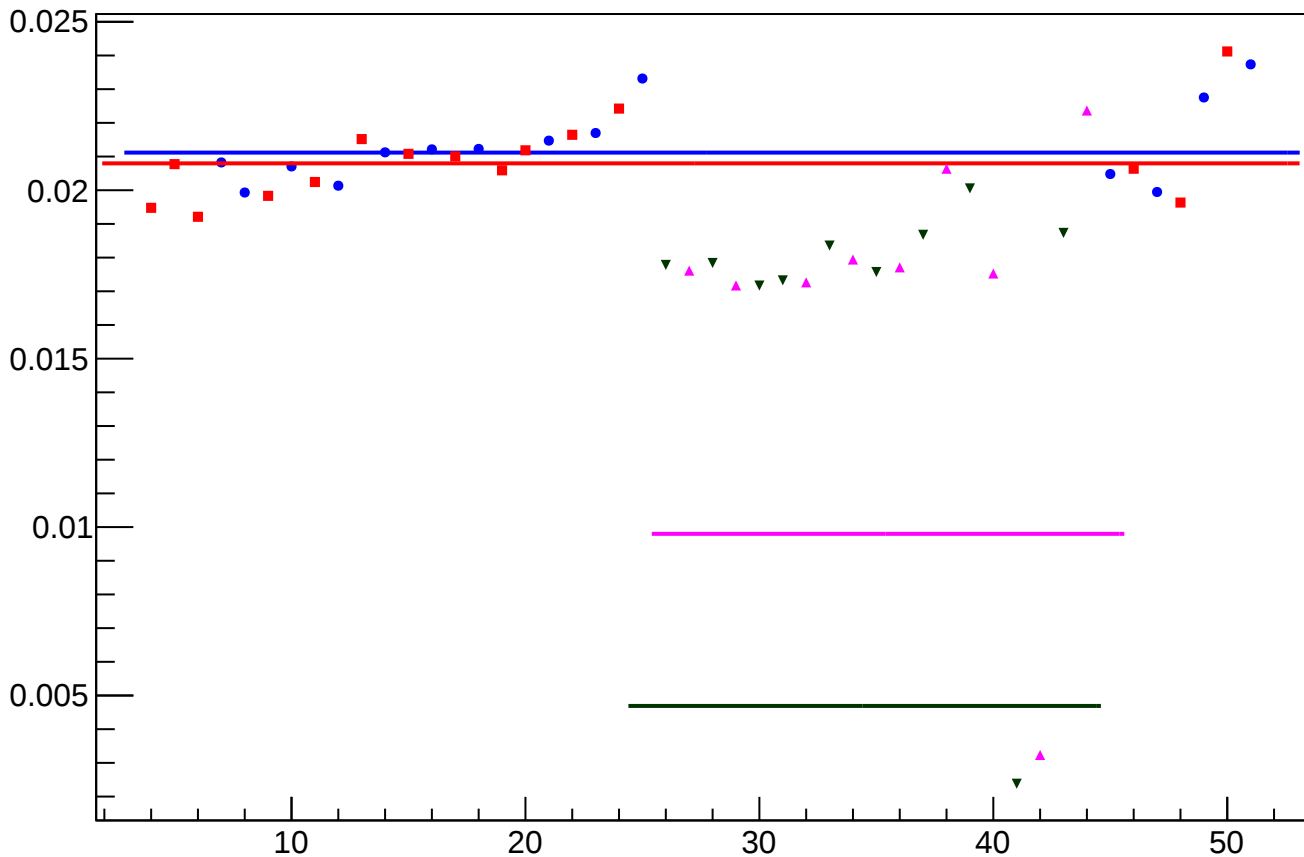
Right Out: -0.254 ± 0.000 χ^2/NDF : 10096209361.3/14

Left In: -0.746 ± 0.000 χ^2/NDF : 1268707812.5/8

-0.634 ± 0.000 χ^2/NDF : 12406552105.3/23

-0.579 ± 0.000 χ^2/NDF : 14211886520.1/23

yield_bpm0l02X_rms vs slug



Right In: 0.021 ± 0.000 χ^2/NDF : 40206.4/13

Left Out: 0.005 ± 0.000 χ^2/NDF : 5998219.6/9

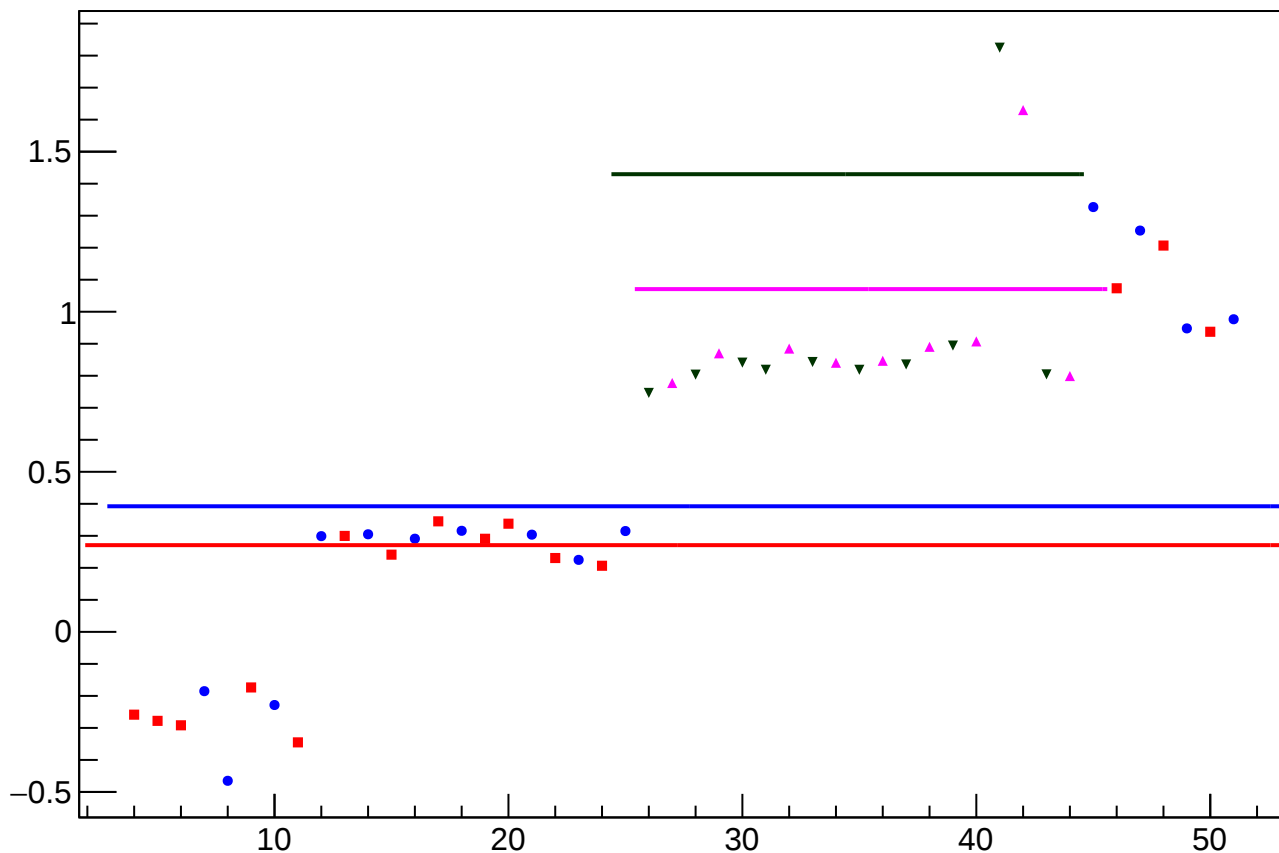
Right Out: 0.021 ± 0.000 χ^2/NDF : 49221.1/14

Left In: 0.010 ± 0.000 χ^2/NDF : 3818425.7/8

0.007 ± 0.000 χ^2/NDF : 14833412.8/23

0.014 ± 0.000 χ^2/NDF : 6717151.4/23

yield_bpm0l02Y_mean vs slug



Right In: 0.392+/-0.000 χ^2/NDF : 15898646792.5/13

Left Out: 1.430+/-0.000 χ^2/NDF : 20131817794.8/9

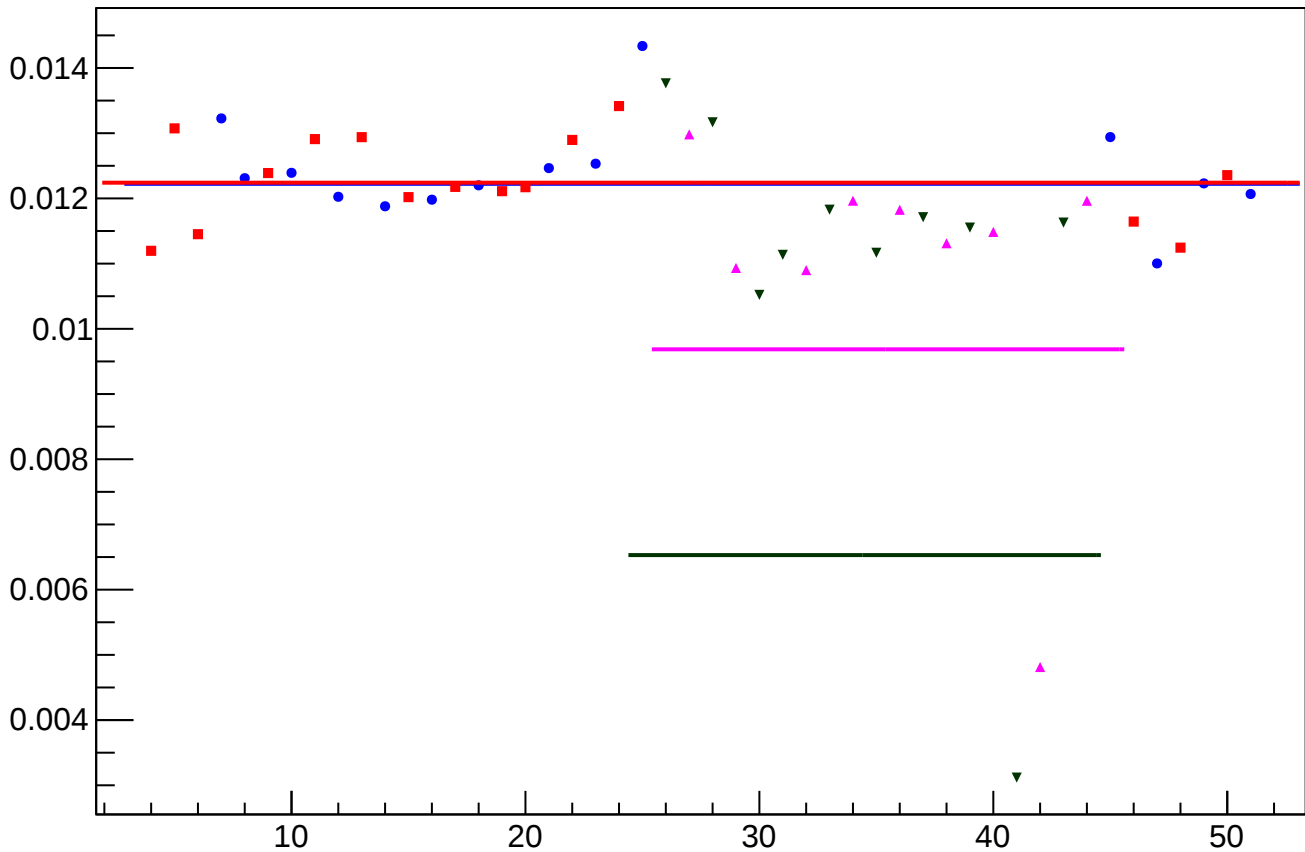
Right Out: 0.271+/-0.000 χ^2/NDF : 11855940656.4/14

Left In: 1.071+/-0.000 χ^2/NDF : 6285541515.9/8

1.008+/-0.000 χ^2/NDF : 73021439703.2/23

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: 33730.5/13

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:3050338.6/9

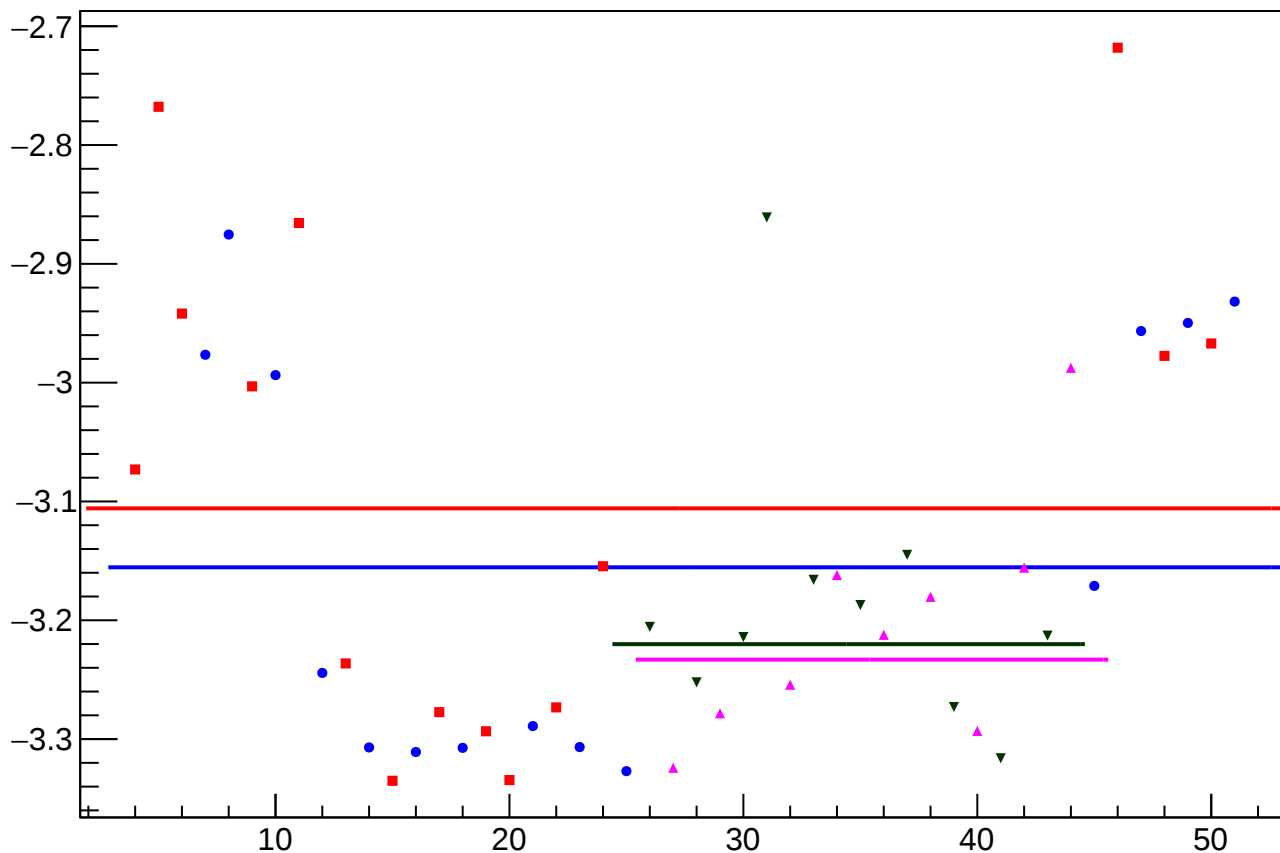
Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 42951.3/14

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:979026.7/8

0.009 $\pm$ 0.000 χ^2 /NDF: 5313072.9/23

0.011 $\pm$ 0.000 χ^2 /NDF: 1356280.6/23

yield_bpm0l03X_mean vs slug



Right In: -3.155+/-0.000 χ^2/NDF : 3560812383.8/13

Left Out: -3.220+/-0.000 χ^2/NDF : 428312091.3/9

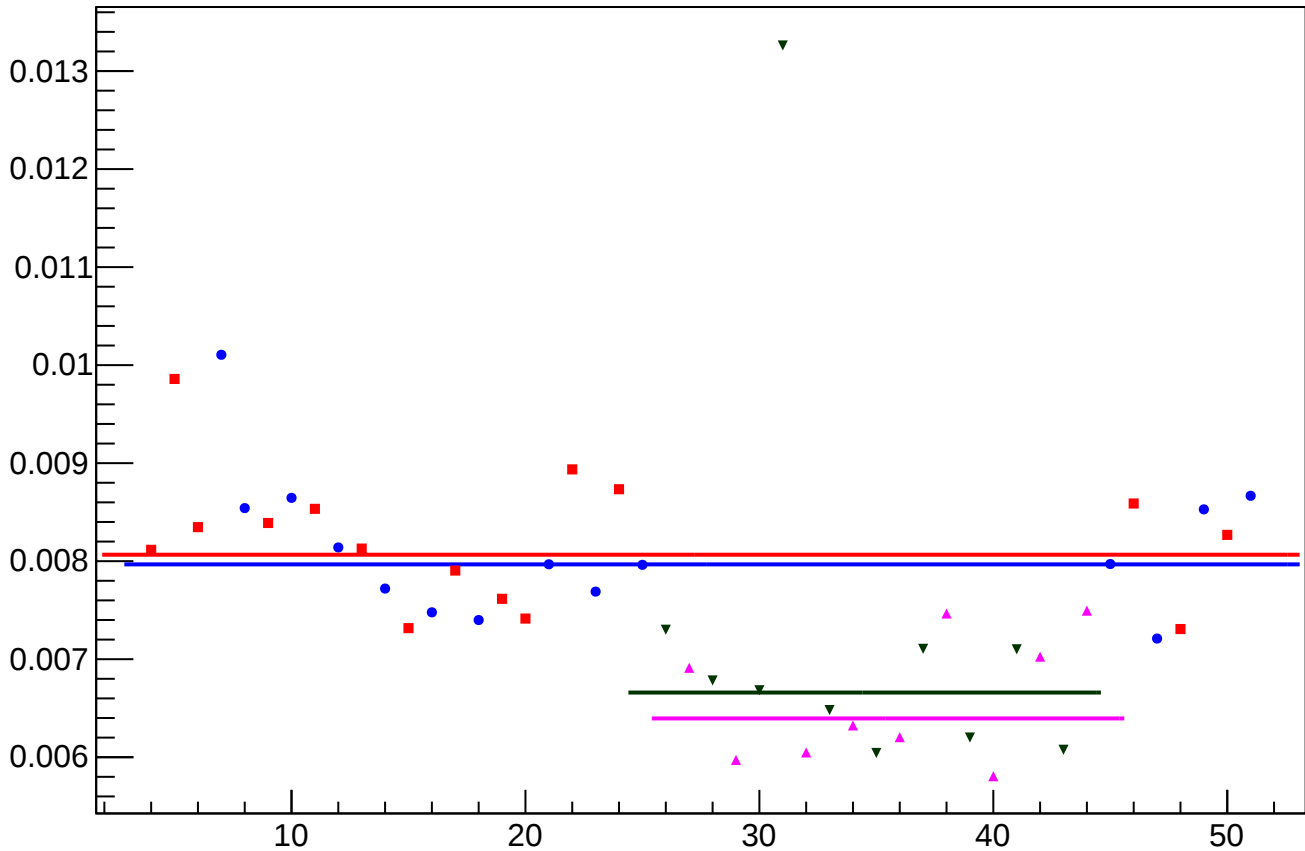
Right Out: -3.106+/-0.000 χ^2/NDF : 3520529770.4/14

Left In: -3.233+/-0.000 χ^2/NDF : 784509895.8/8

-3.185+/-0.000 χ^2/NDF : 4216232157.1/23

-3.174+/-0.000 χ^2/NDF : 5191556121.9/23

yield_bpm0l03X_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 64594.6/13

Left Out: 0.007+/-0.000 χ^2/NDF :169219.9/9

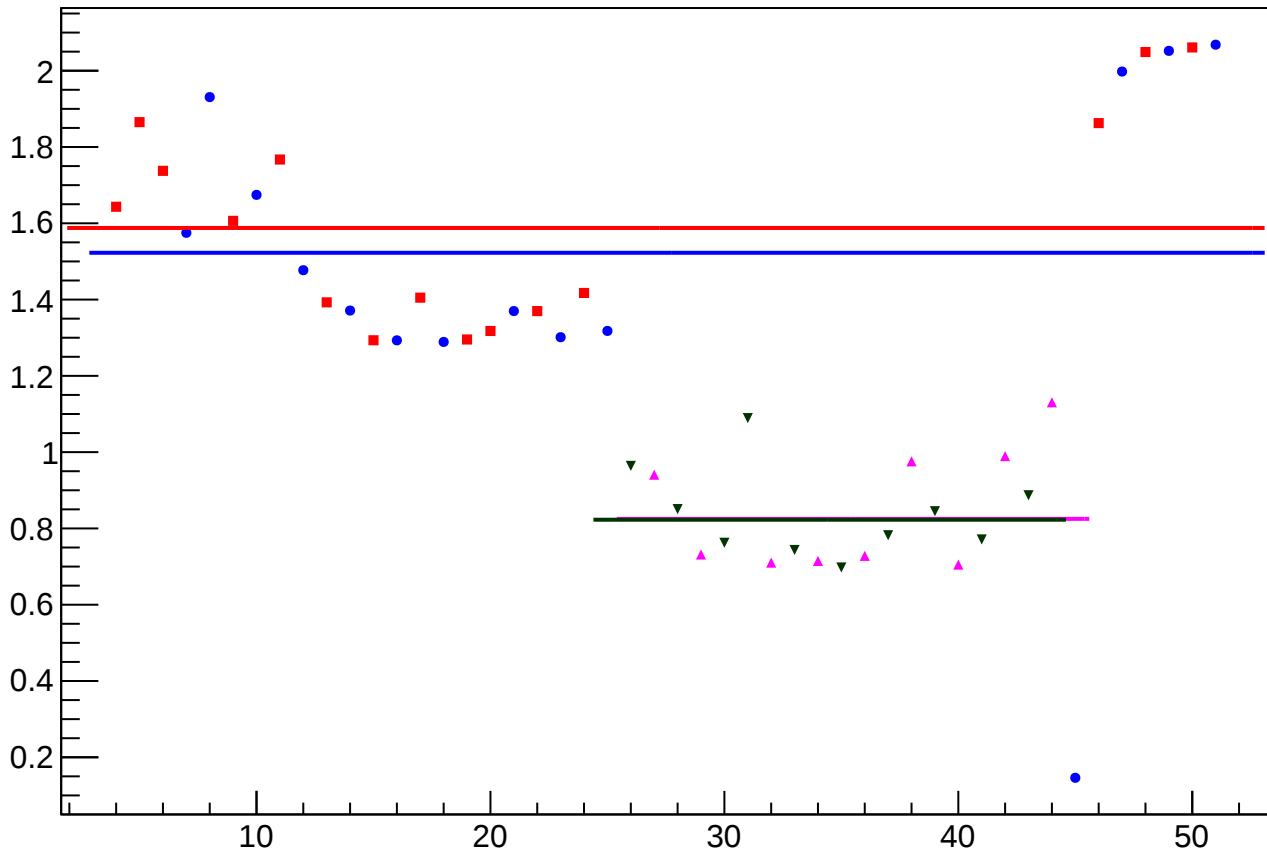
Right Out: 0.008+/-0.000 χ^2/NDF : 55360.3/14

Left In: 0.006+/-0.000 χ^2/NDF :72293.2/8

0.007+/-0.000 χ^2/NDF : 419504.7/23

0.007+/-0.000 χ^2/NDF : 432883.3/23

yield_bpm0l03Y_mean vs slug



Right In: 1.523+/-0.000 χ^2/NDF : 20020440962.0/13

Left Out: 0.823+/-0.000 χ^2/NDF : 373202951.2/9

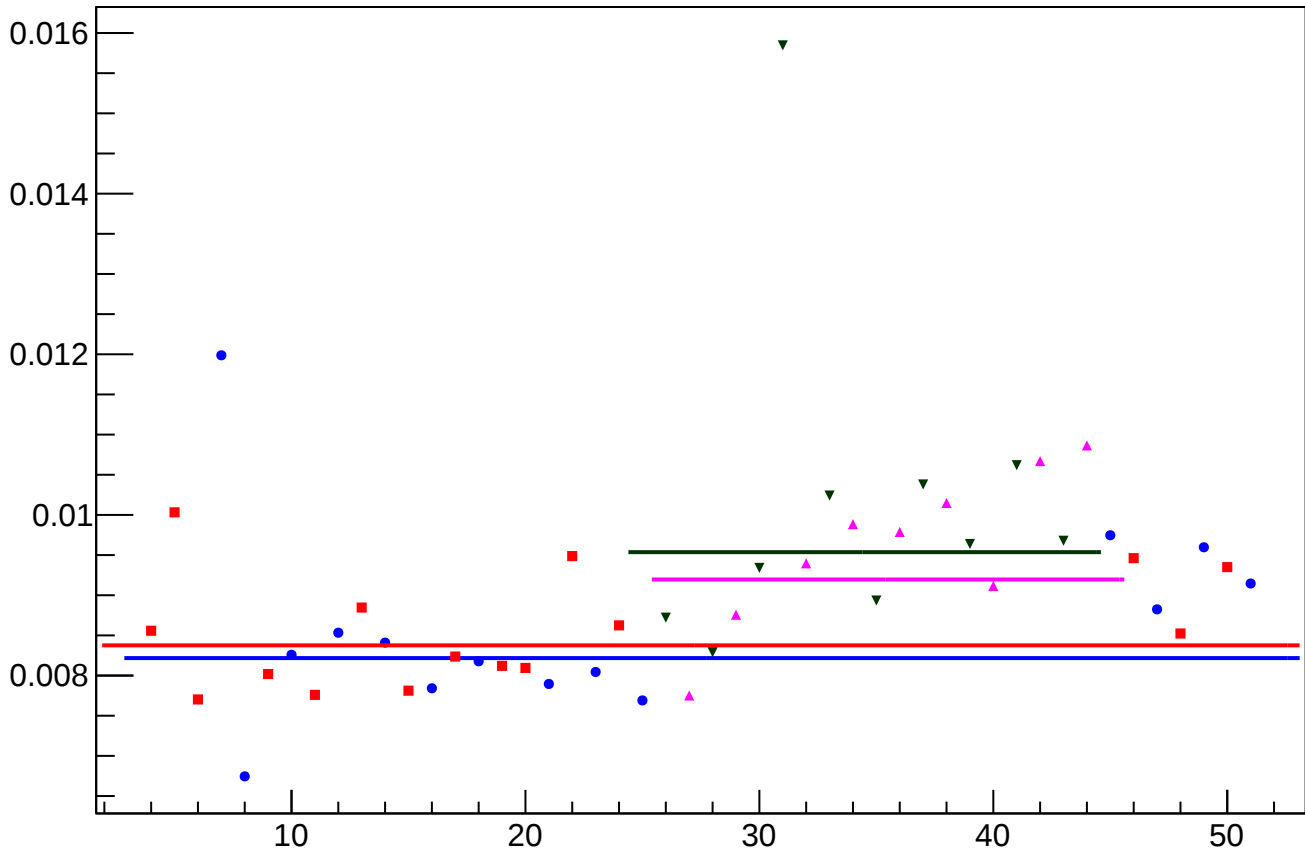
1.311+/-0.000 χ^2/NDF : 36810522567.0/23

Right Out: 1.588+/-0.000 χ^2/NDF : 6082910638.4/14

1.296+/-0.000 χ^2/NDF : 27683296443.1/23

Left In: 0.825+/-0.000 χ^2/NDF : 1054829783.2/8

yield_bpm0l03Y_rms vs slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 174724.6/13

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:144258.2/9

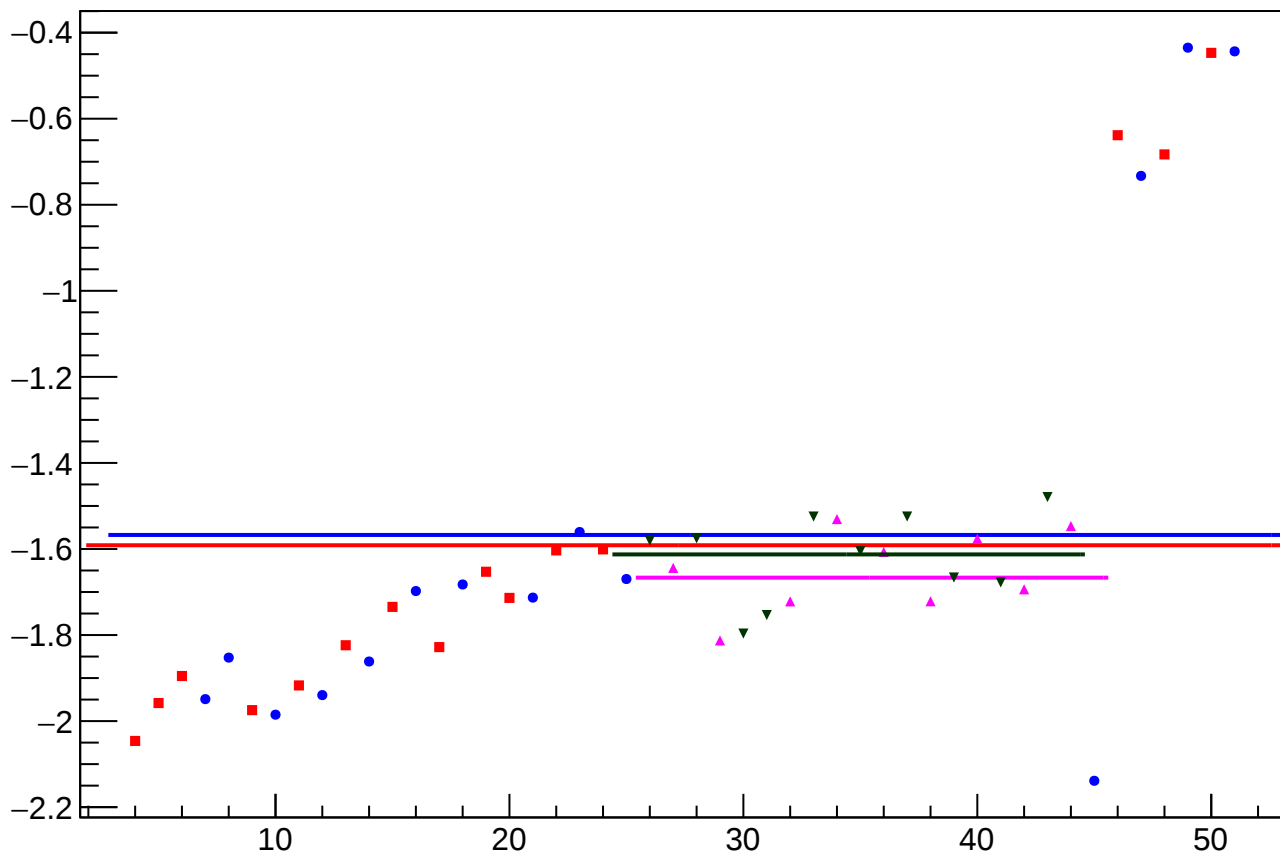
Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 63782.1/14

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:103784.9/8

0.009 $\pm$ 0.000 χ^2 /NDF: 435584.2/23

0.009 $\pm$ 0.000 χ^2 /NDF: 215042.2/23

yield_bpm0l04X_mean vs slug



Right In: -1.567 ± 0.000 χ^2/NDF : 19960069434.5/13

Left Out: -1.613 ± 0.000 χ^2/NDF : 327148879.4/9

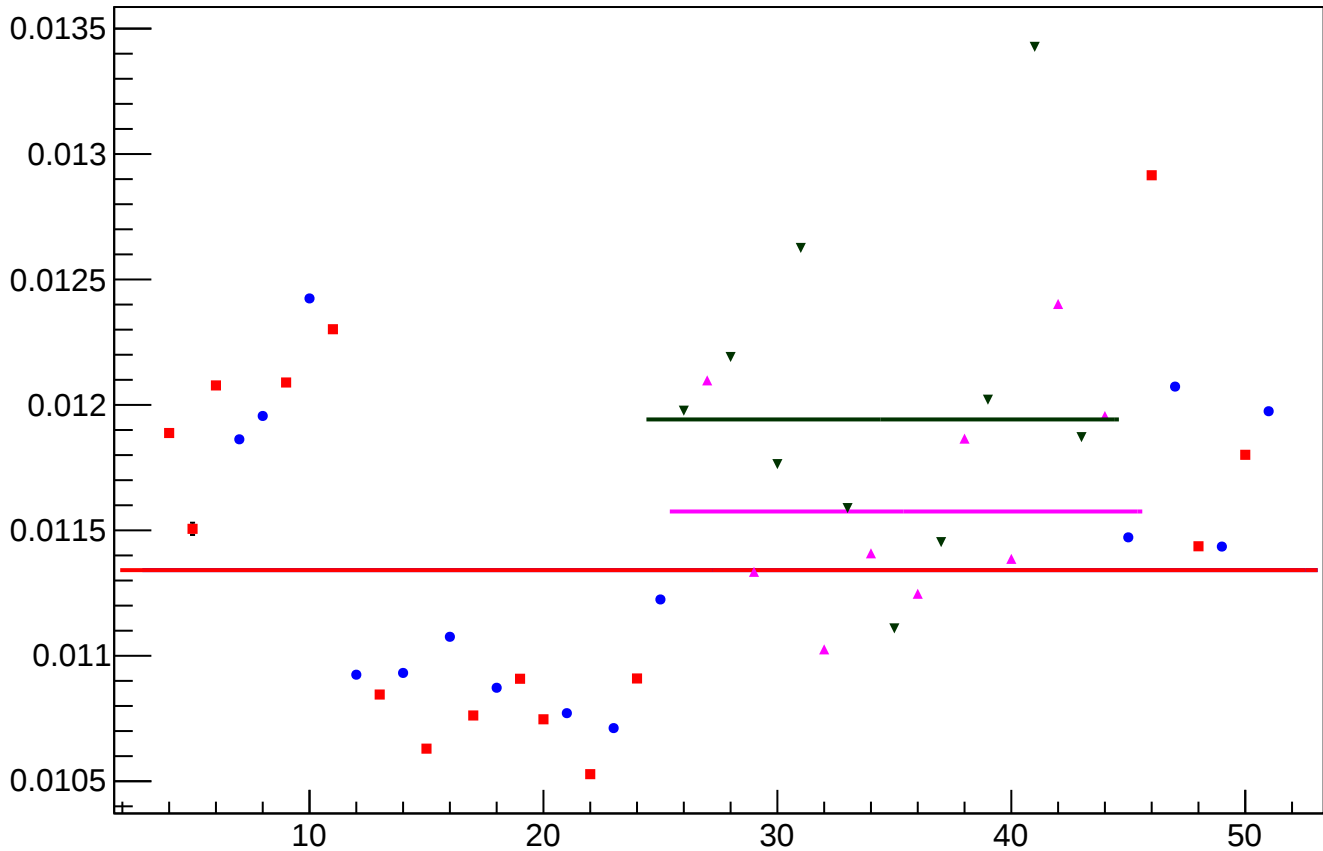
Right Out: -1.591 ± 0.000 χ^2/NDF : 13627539392.2/14

Left In: -1.667 ± 0.000 χ^2/NDF : 344212253.5/8

-1.583 ± 0.000 χ^2/NDF : 20336018254.3/23

-1.622 ± 0.000 χ^2/NDF : 14111307917.6/23

yield_bpm0l04X_rms vs slug



Right In: 0.011+/-0.000 χ^2/NDF : 40107.5/13

Left Out: 0.012+/-0.000 χ^2/NDF :25348.0/9

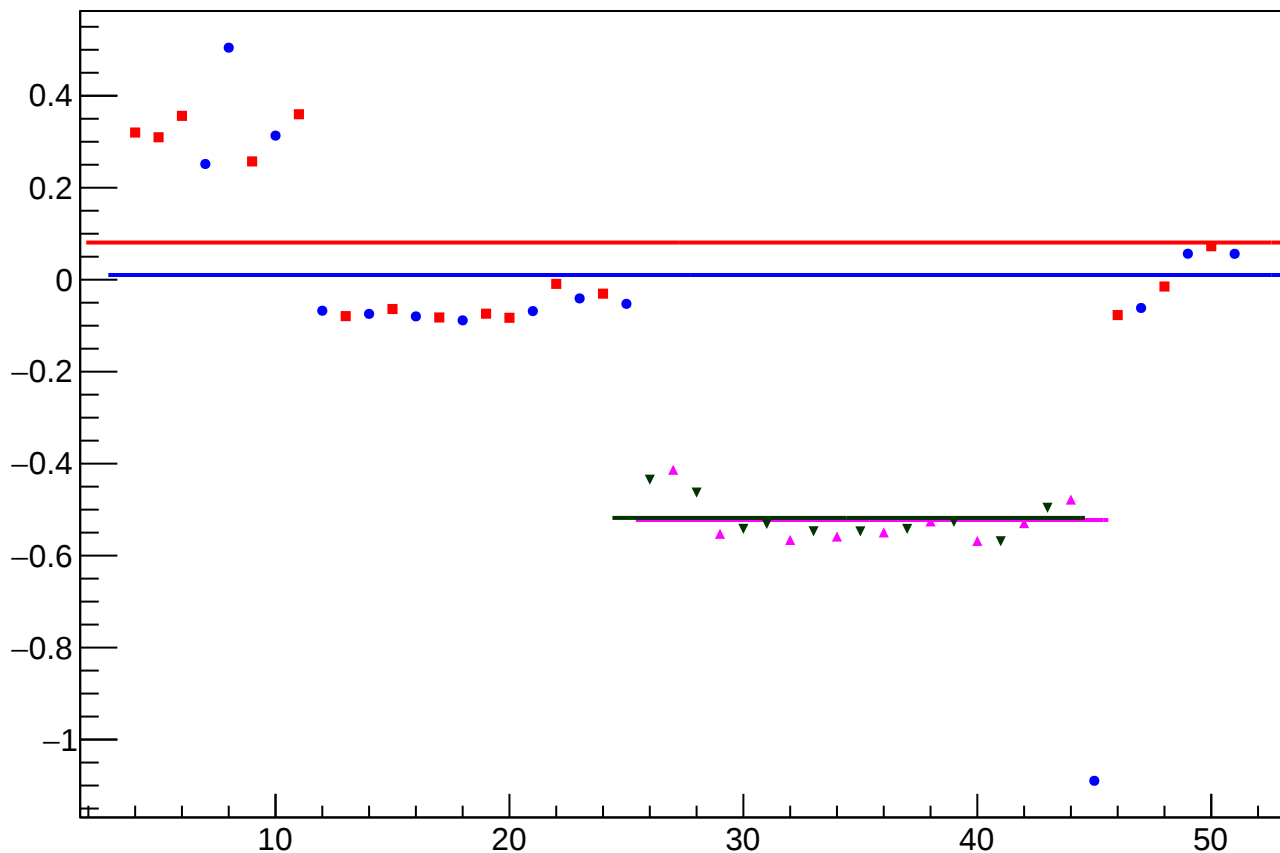
Right Out: 0.011+/-0.000 χ^2/NDF : 58806.7/14

Left In: 0.012+/-0.000 χ^2/NDF :15888.6/8

0.012+/-0.000 χ^2/NDF : 82657.1/23

0.011+/-0.000 χ^2/NDF : 77384.6/23

yield_bpm0l04Y_mean vs slug



Right In: 0.010+/-0.000 χ^2/NDF : 18069220311.9/13

Left Out: -0.518+/-0.000 χ^2/NDF : 131878439.0/9

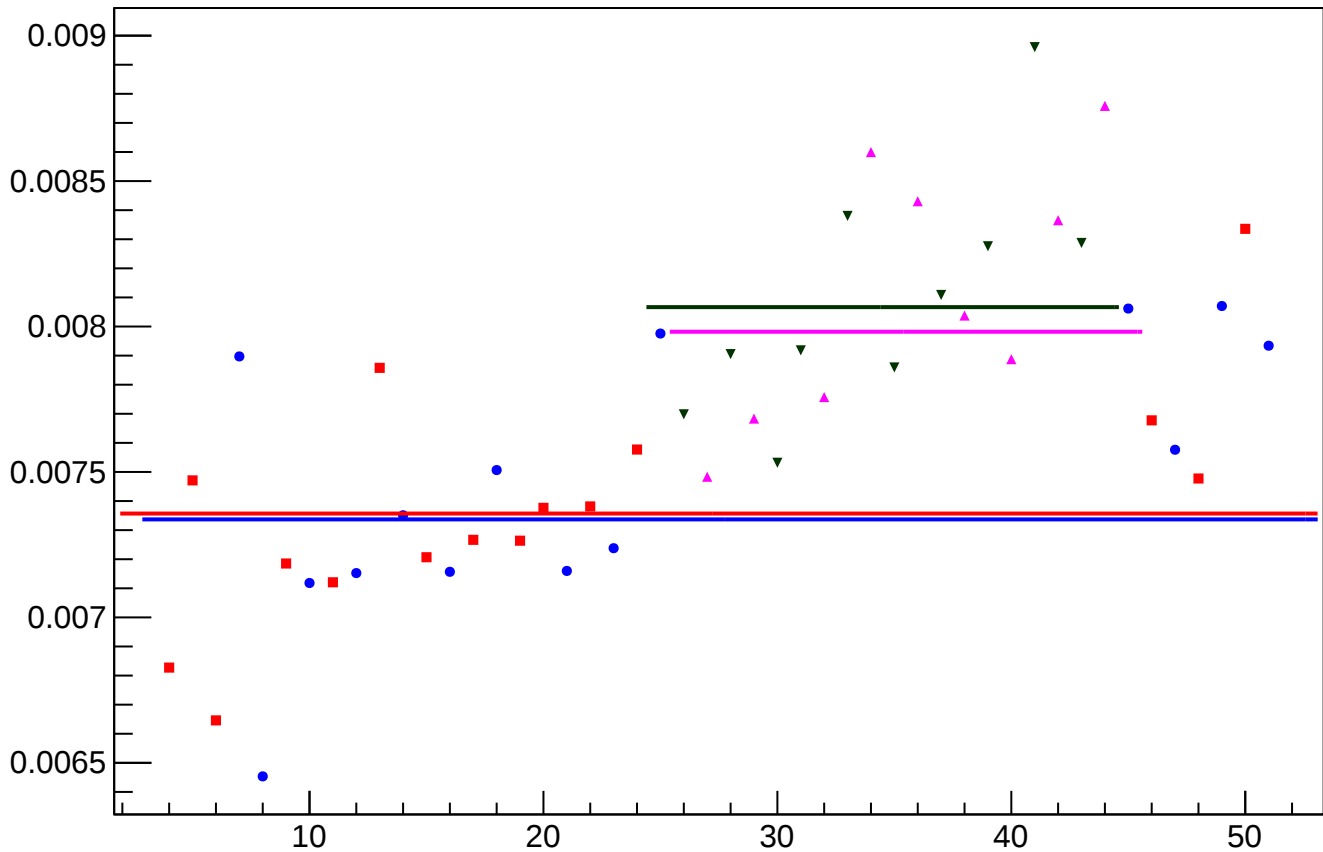
Right Out: 0.081+/-0.000 χ^2/NDF : 4558023168.4/14

Left In: -0.523+/-0.000 χ^2/NDF : 258155612.5/8

-0.164+/-0.000 χ^2/NDF : 32950202219.6/23

-0.149+/-0.000 χ^2/NDF : 24250489335.3/23

yield_bpm0l04Y_rms vs slug



Right In: 0.007 ± 0.000 χ^2/NDF : 72550.1/13

Left Out: 0.008 ± 0.000 χ^2/NDF : 23022.1/9

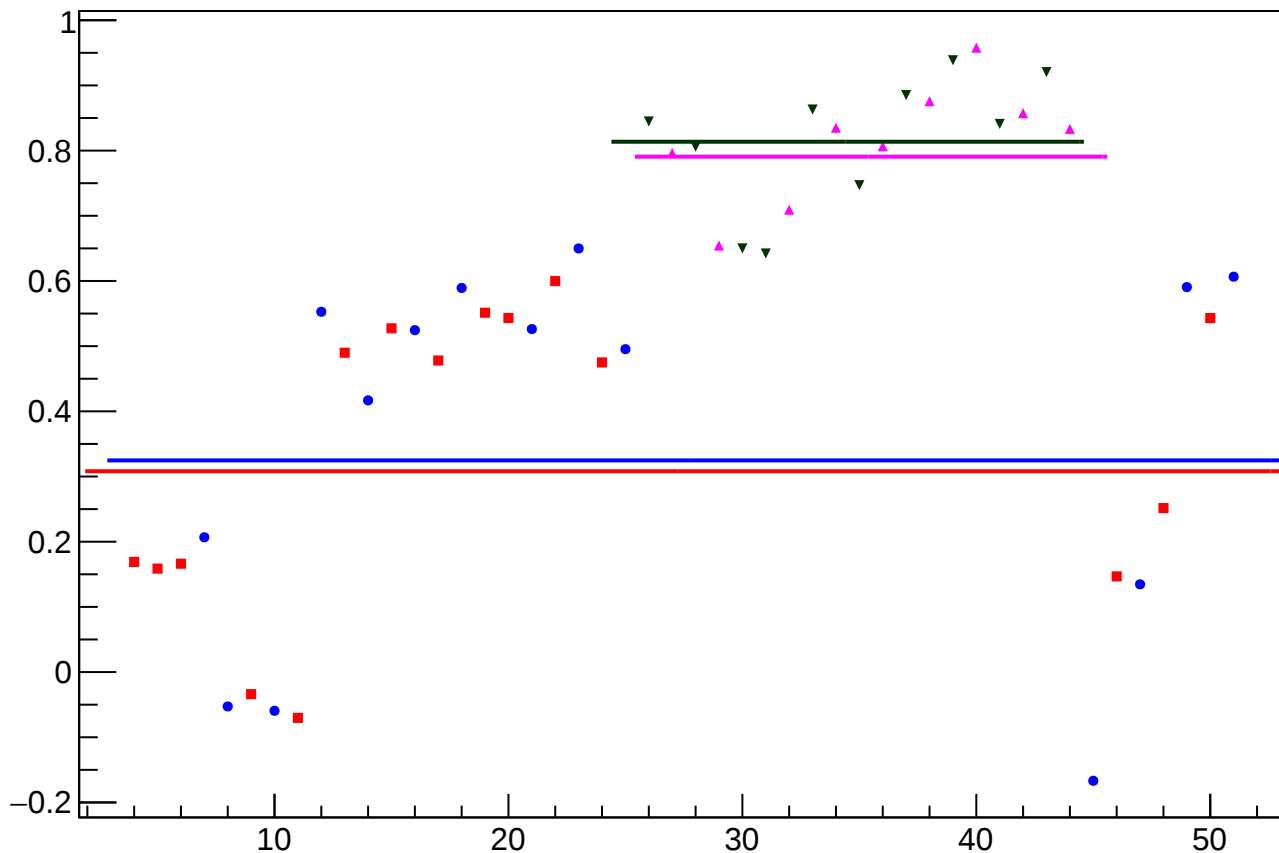
Right Out: 0.007 ± 0.000 χ^2/NDF : 43768.7/14

Left In: 0.008 ± 0.000 χ^2/NDF : 29355.6/8

0.008 ± 0.000 χ^2/NDF : 151878.0/23

0.008 ± 0.000 χ^2/NDF : 114833.7/23

yield_bpm0l05X_mean vs slug



Right In: 0.325+/-0.000 χ^2/NDF : 14832554406.8/13

Left Out: 0.814+/-0.000 χ^2/NDF : 993349923.9/9

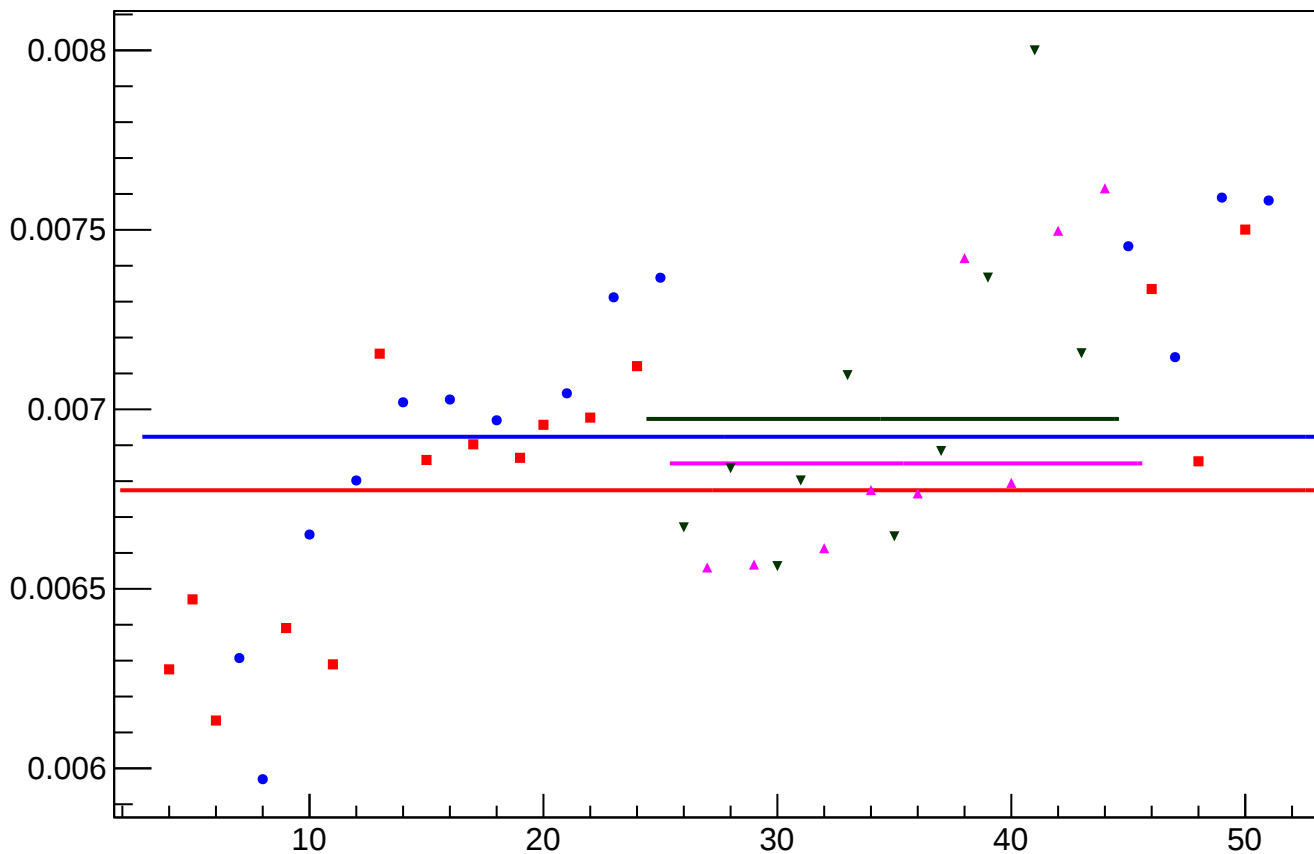
Right Out: 0.308+/-0.000 χ^2/NDF : 9383891636.6/14

Left In: 0.791+/-0.000 χ^2/NDF : 932399689.3/8

0.507+/-0.000 χ^2/NDF : 31929264746.3/23

0.508+/-0.000 χ^2/NDF : 26432685176.8/23

yield_bpm0l05X_rms vs slug



Right In: 0.007 ± 0.000 χ^2/NDF : 85362.6/13

Left Out: 0.007 ± 0.000 χ^2/NDF : 32912.7/9

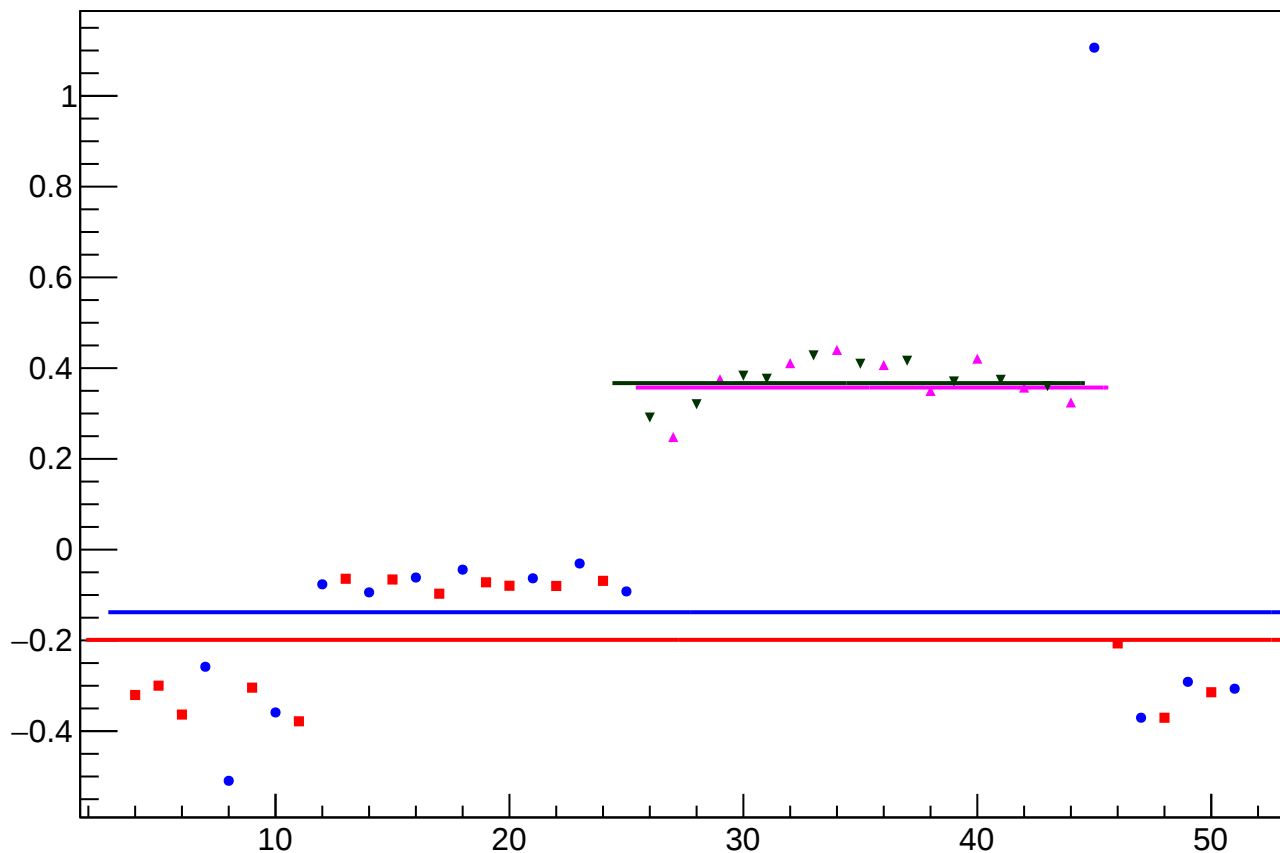
Right Out: 0.007 ± 0.000 χ^2/NDF : 56121.4/14

Left In: 0.007 ± 0.000 χ^2/NDF : 33164.0/8

0.007 ± 0.000 χ^2/NDF : 118608.9/23

0.007 ± 0.000 χ^2/NDF : 90059.7/23

yield_bpm0l05Y_mean vs slug



Right In: -0.138 ± 0.000 χ^2/NDF : 35568162701.3/13

Left Out: 0.367 ± 0.000 χ^2/NDF : 258003359.9/9

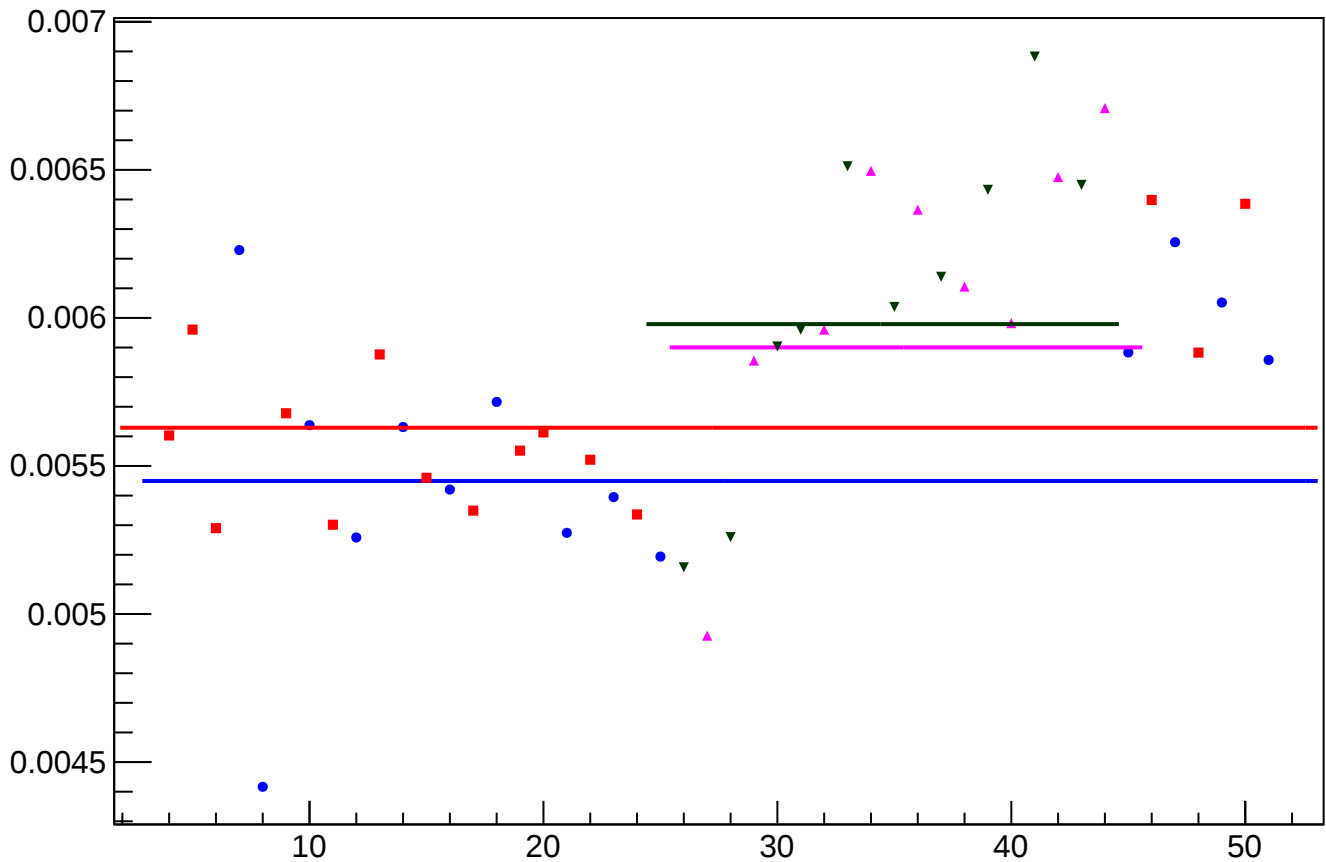
Right Out: -0.199 ± 0.000 χ^2/NDF : 4150991873.8/14

Left In: 0.357 ± 0.000 χ^2/NDF : 650314960.7/8

0.028 ± 0.000 χ^2/NDF : 59961202575.6/23

0.021 ± 0.000 χ^2/NDF : 33848383645.5/23

yield_bpm0l05Y_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 157265.7/13

Left Out: 0.006+/-0.000 χ^2/NDF : 84407.0/9

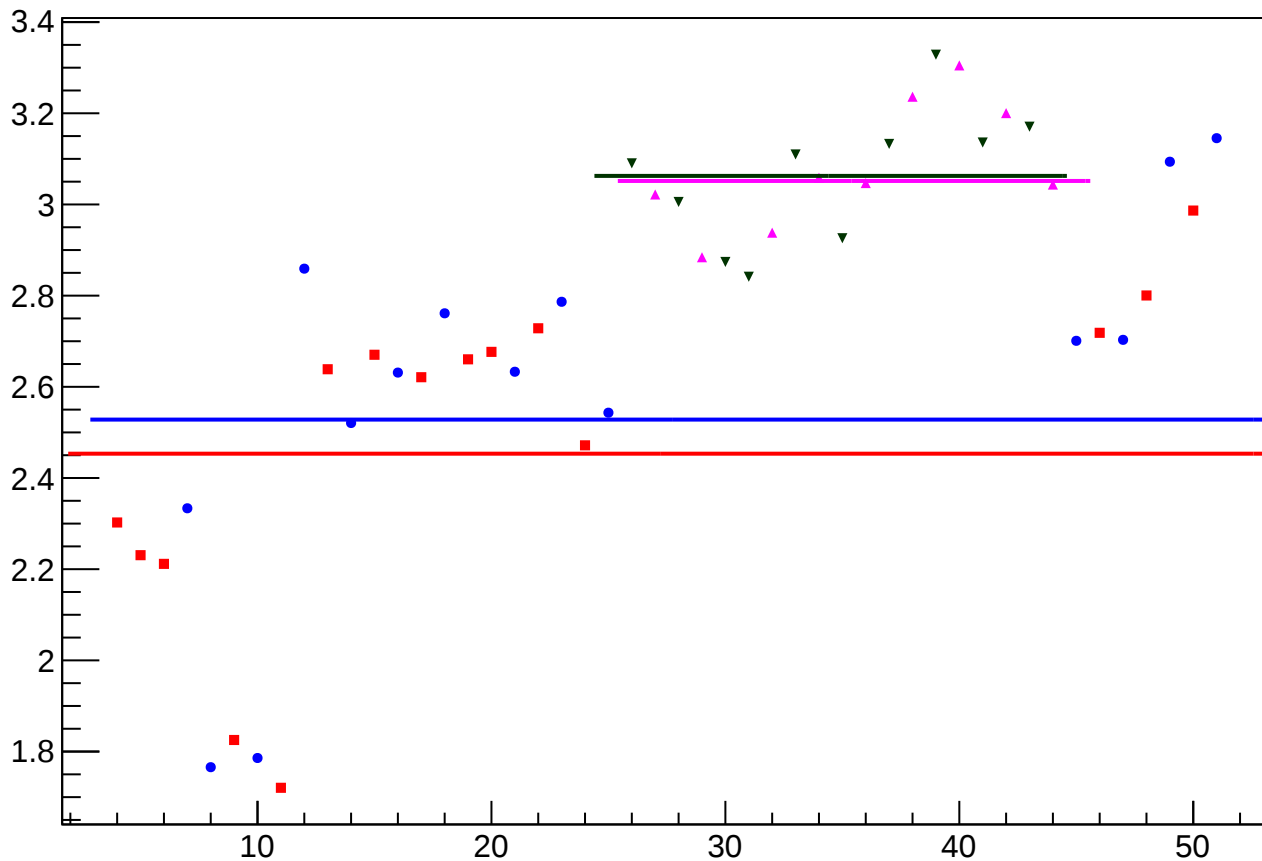
Right Out: 0.006+/-0.000 χ^2/NDF : 50971.9/14

Left In: 0.006+/-0.000 χ^2/NDF : 101099.8/8

0.006+/-0.000 χ^2/NDF : 294816.8/23

0.006+/-0.000 χ^2/NDF : 165899.2/23

yield_bpm0l06X_mean vs slug



Right In: 2.528+/-0.000 χ^2/NDF : 11732529515.3/13

Left Out: 3.063+/-0.000 χ^2/NDF : 1107067165.5/9

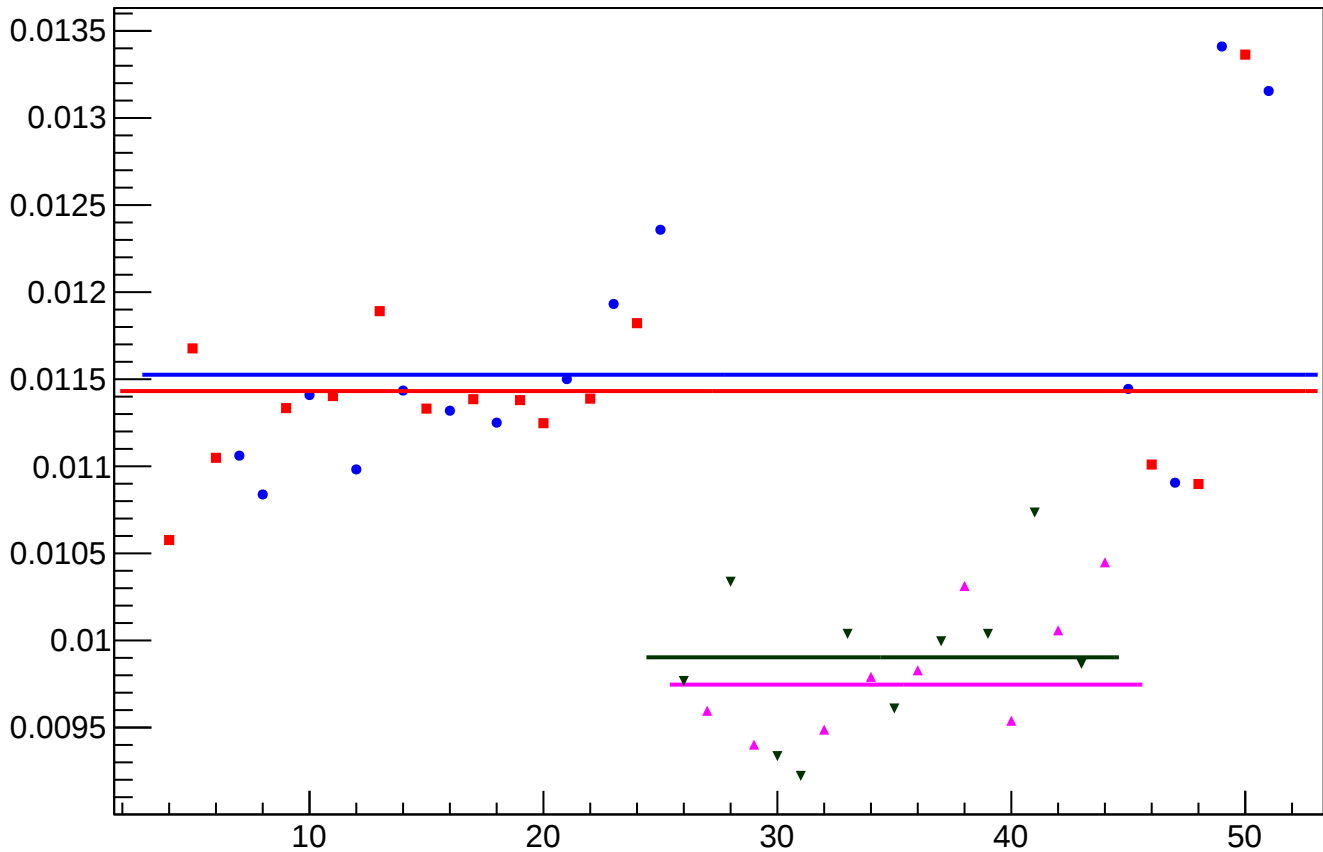
2.769+/-0.000 χ^2/NDF : 21252486571.5/23

Right Out: 2.453+/-0.000 χ^2/NDF : 8070716344.6/14

2.752+/-0.000 χ^2/NDF : 19550035551.9/23

Left In: 3.052+/-0.000 χ^2/NDF : 1015989993.5/8

yield_bpm0l06X_rms vs slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 66450.0/13

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:18813.8/9

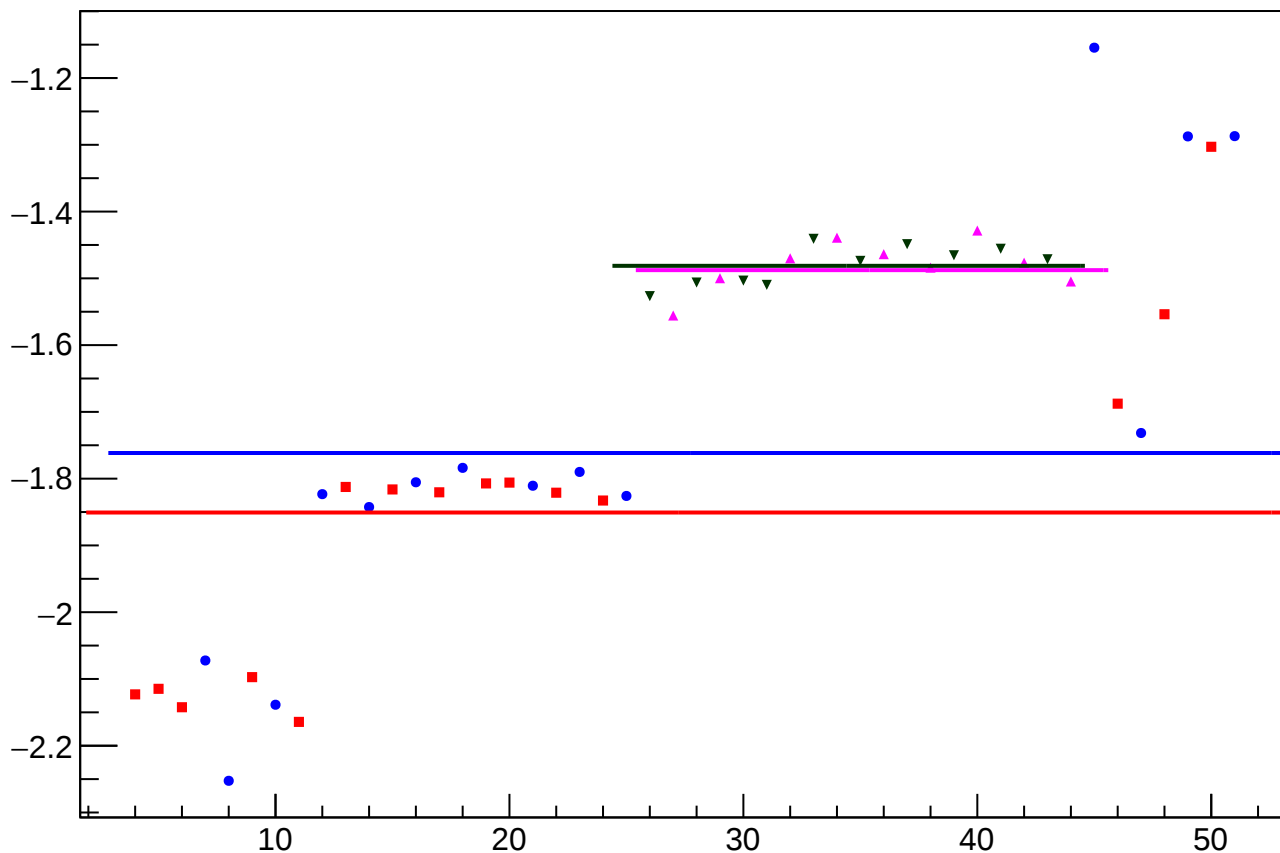
Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 36403.4/14

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:13193.9/8

0.011 $\pm$ 0.000 χ^2 /NDF: 240295.4/23

0.011 $\pm$ 0.000 χ^2 /NDF: 215735.8/23

yield_bpm0l06Y_mean vs slug



Right In: -1.762+/-0.000 χ^2/NDF : 42393737354.7/13

Left Out: -1.481+/-0.000 χ^2/NDF : 133314200.9/9

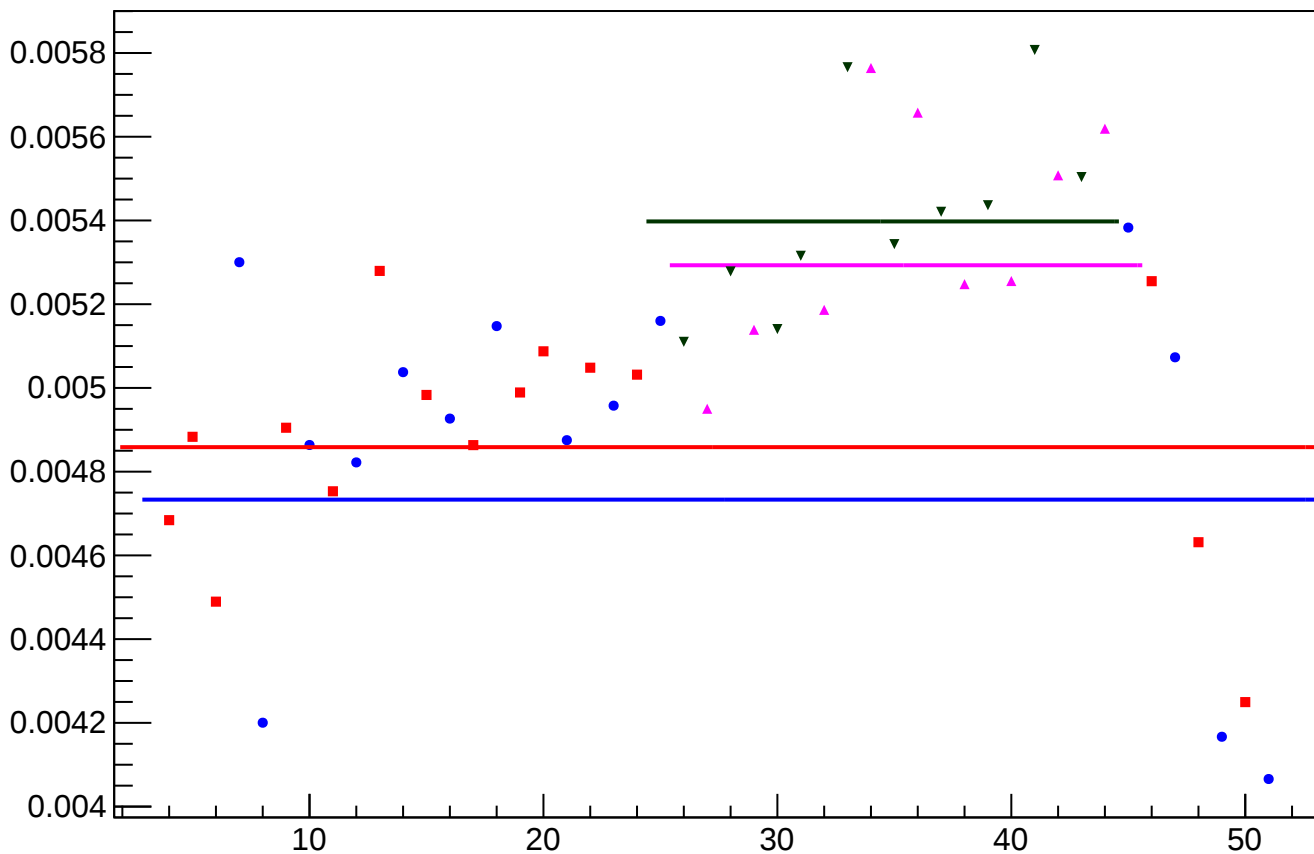
Right Out: -1.851+/-0.000 χ^2/NDF : 19707421668.8/14

Left In: -1.488+/-0.000 χ^2/NDF : 281282296.5/8

-1.673+/-0.000 χ^2/NDF : 52018248960.9/23

-1.713+/-0.000 χ^2/NDF : 36050285688.1/23

yield_bpm0l06Y_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 137263.9/13

Left Out: 0.005+/-0.000 χ^2/NDF :16600.8/9

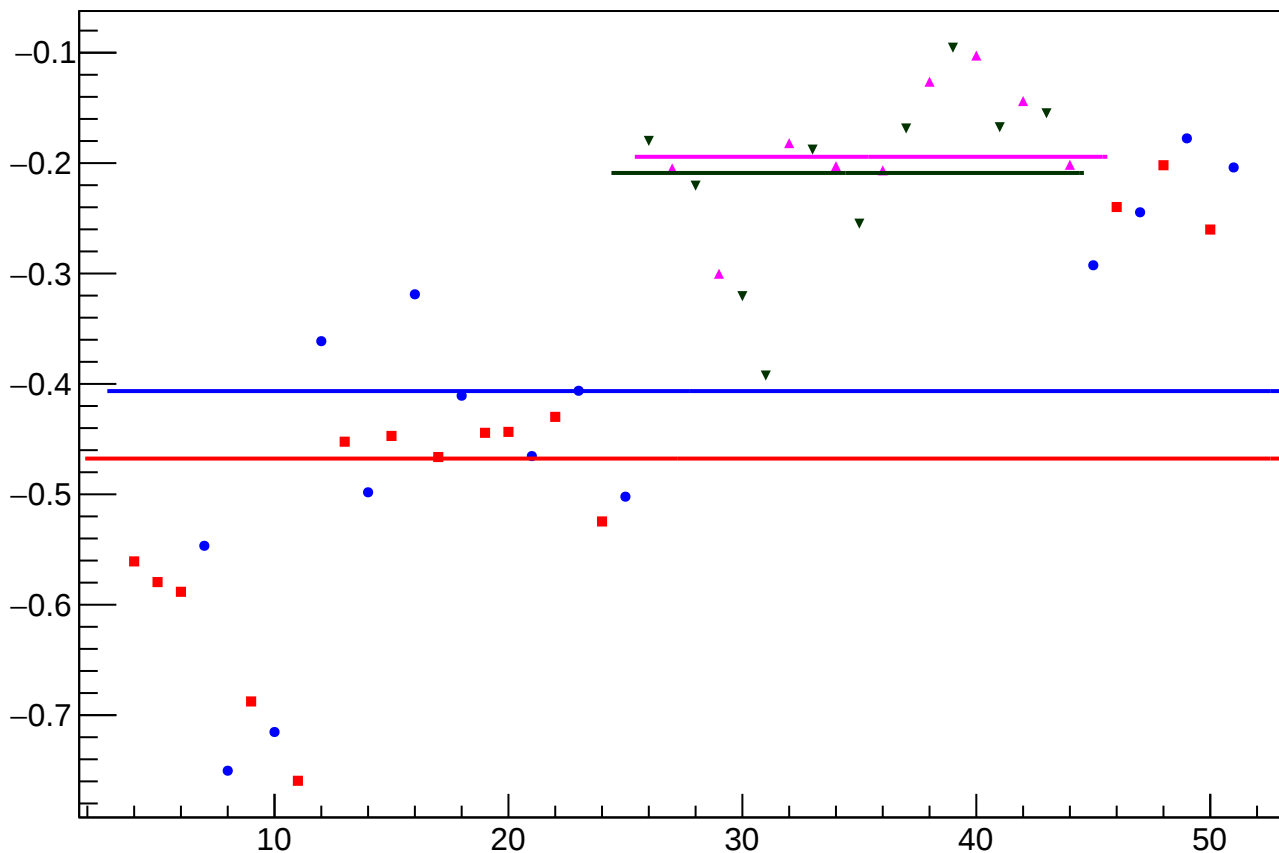
Right Out: 0.005+/-0.000 χ^2/NDF : 54961.4/14

Left In: 0.005+/-0.000 χ^2/NDF :25779.4/8

0.005+/-0.000 χ^2/NDF : 260508.2/23

0.005+/-0.000 χ^2/NDF : 126754.5/23

yield_bpm0l07X_mean vs slug



Right In: -0.406 ± 0.000 χ^2/NDF : 1240186593.8/13

Left Out: -0.209 ± 0.000 χ^2/NDF : 145606796.2/9

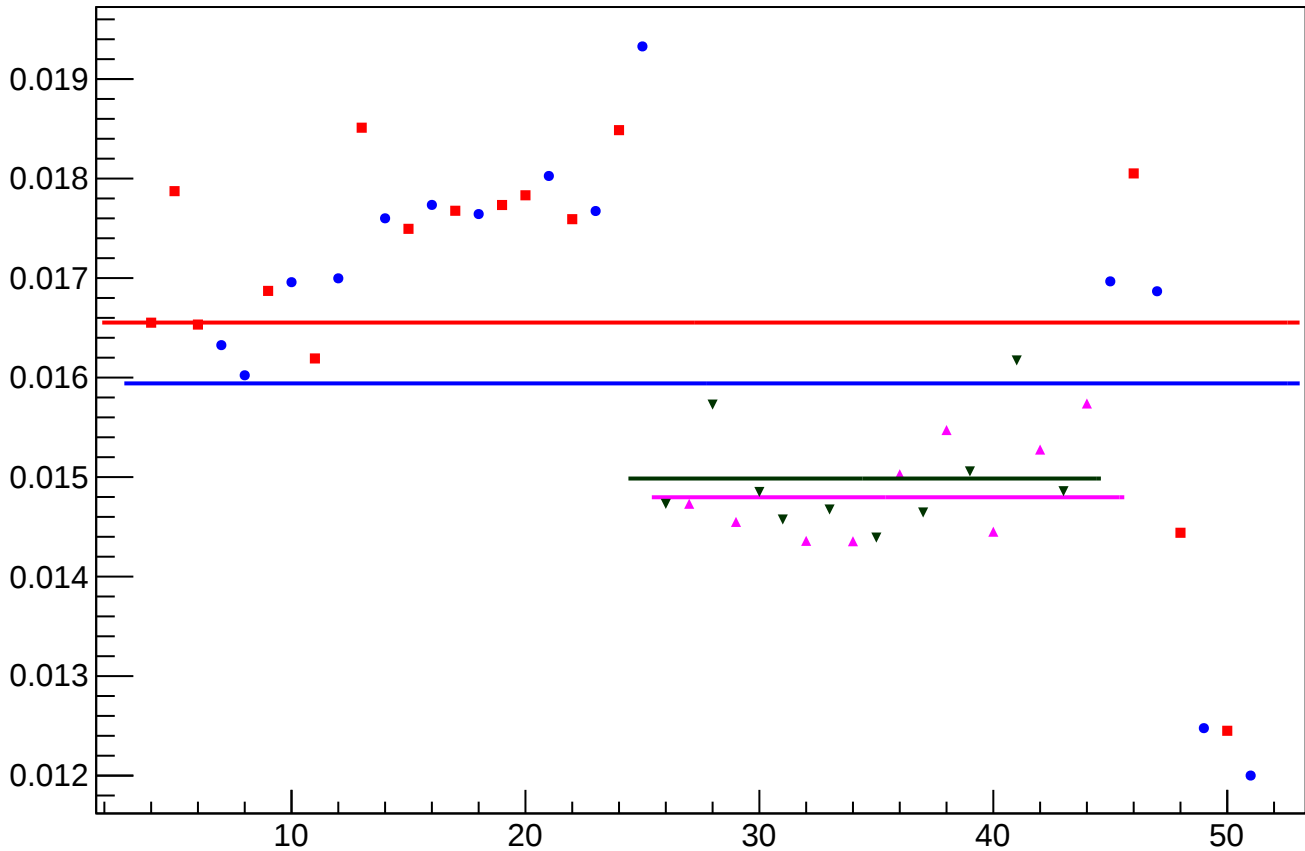
Right Out: -0.468 ± 0.000 χ^2/NDF : 774135704.1/14

Left In: -0.194 ± 0.000 χ^2/NDF : 81659796.5/8

-0.325 ± 0.000 χ^2/NDF : 1928886376.9/23

-0.336 ± 0.000 χ^2/NDF : 1843950897.4/23

yield_bpm0l07X_rms vs slug



Right In: 0.016+/-0.000 χ^2/NDF : 336903.7/13

Left Out: 0.015+/-0.000 χ^2/NDF :13214.2/9

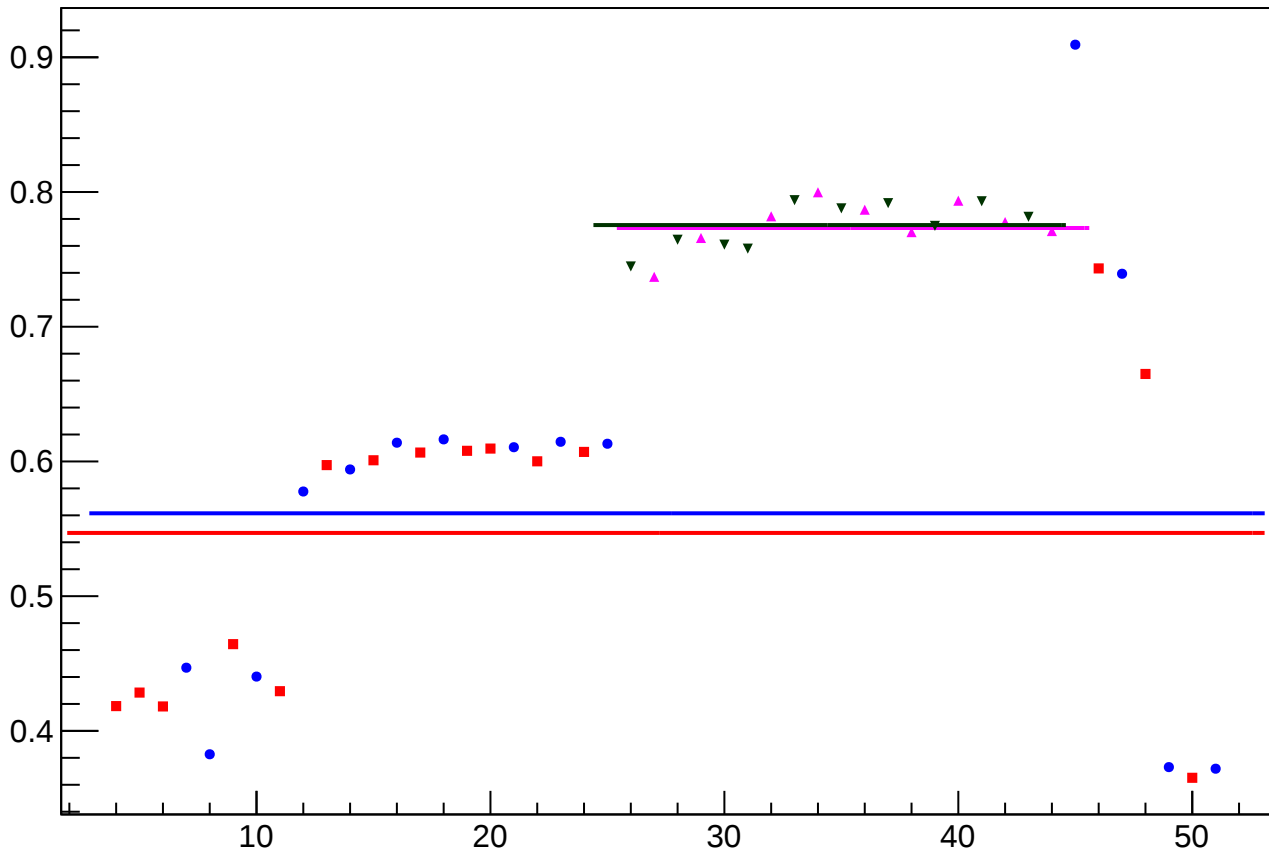
Right Out: 0.017+/-0.000 χ^2/NDF : 193784.4/14

Left In: 0.015+/-0.000 χ^2/NDF :10554.2/8

0.016+/-0.000 χ^2/NDF : 375551.8/23

0.016+/-0.000 χ^2/NDF : 285880.4/23

yield_bpm0l07Y_mean vs slug



Right In: 0.562+/-0.000 χ^2/NDF : 16572228913.0/13

Left Out: 0.775+/-0.000 χ^2/NDF : 122038329.5/9

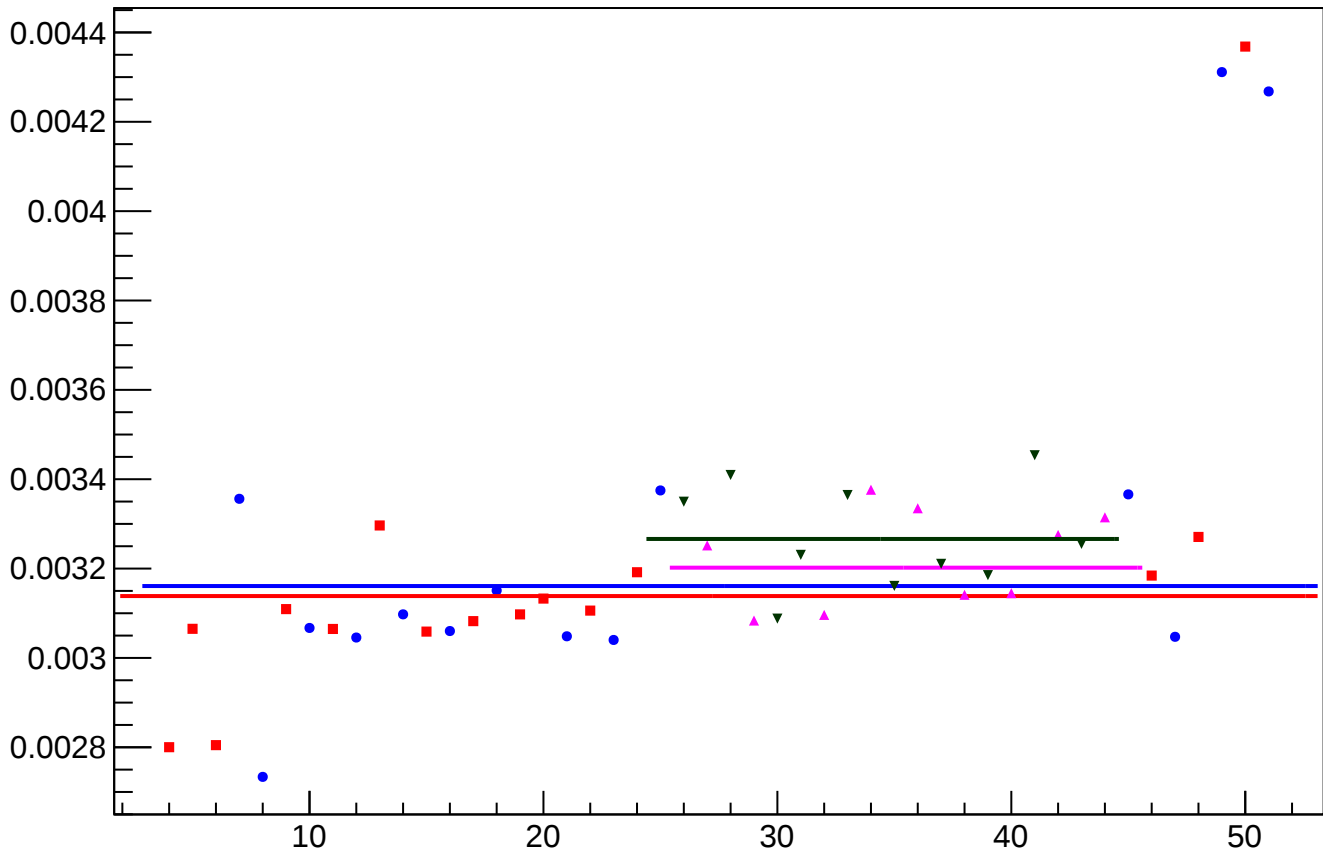
0.639+/-0.000 χ^2/NDF : 30874525476.2/23

Right Out: 0.547+/-0.000 χ^2/NDF : 8073976408.1/14

0.640+/-0.000 χ^2/NDF : 24482537780.7/23

Left In: 0.773+/-0.000 χ^2/NDF : 173800769.3/8

yield_bpm0l07Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 243282.4/13

Left Out: 0.003+/-0.000 χ^2/NDF :12873.3/9

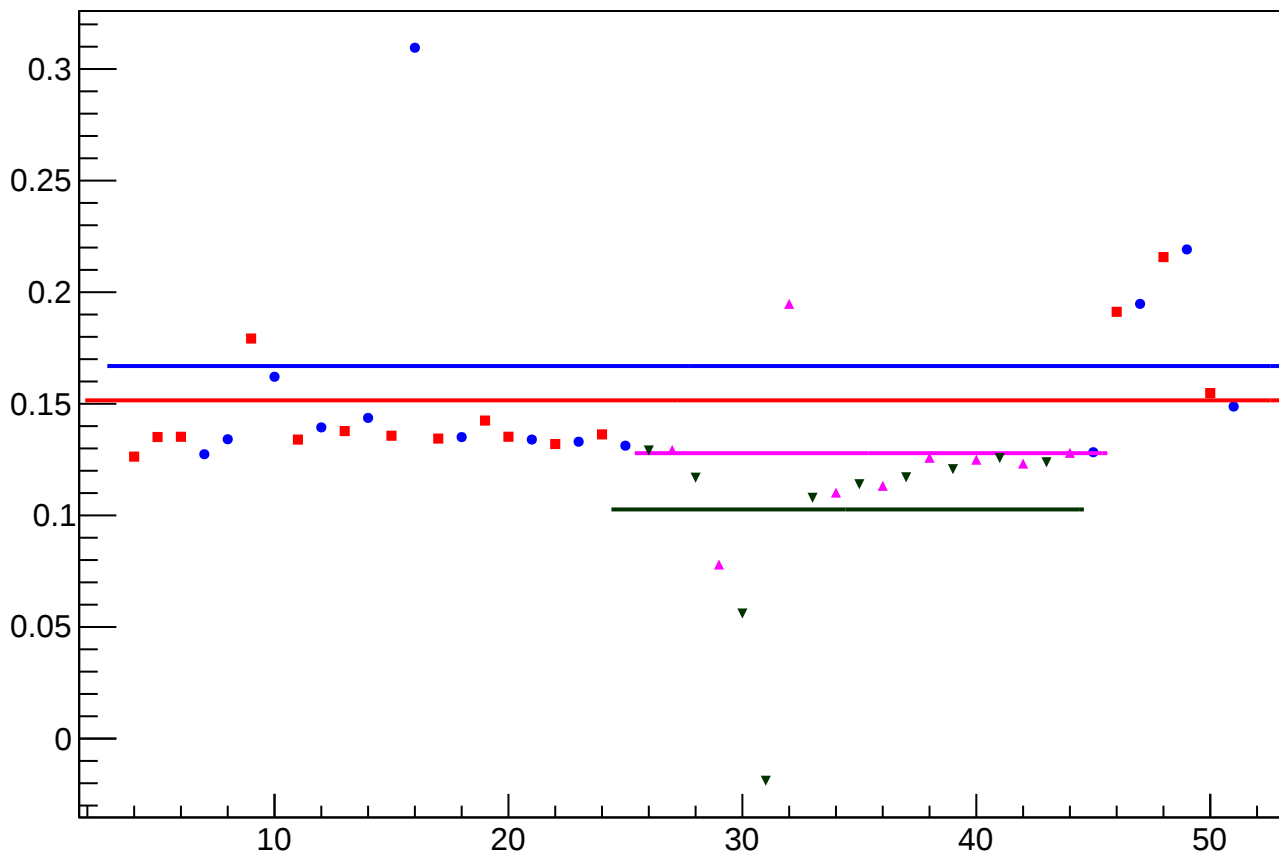
Right Out: 0.003+/-0.000 χ^2/NDF : 116670.5/14

Left In: 0.003+/-0.000 χ^2/NDF :11463.7/8

0.003+/-0.000 χ^2/NDF : 263036.1/23

0.003+/-0.000 χ^2/NDF : 130693.6/23

yield_bpm0l08X_mean vs slug



Right In: 0.167 $\pm$ 0.000 χ^2 /NDF: 91140527.1/13

Left Out: 0.103 $\pm$ 0.000 χ^2 /NDF:42575286.2/9

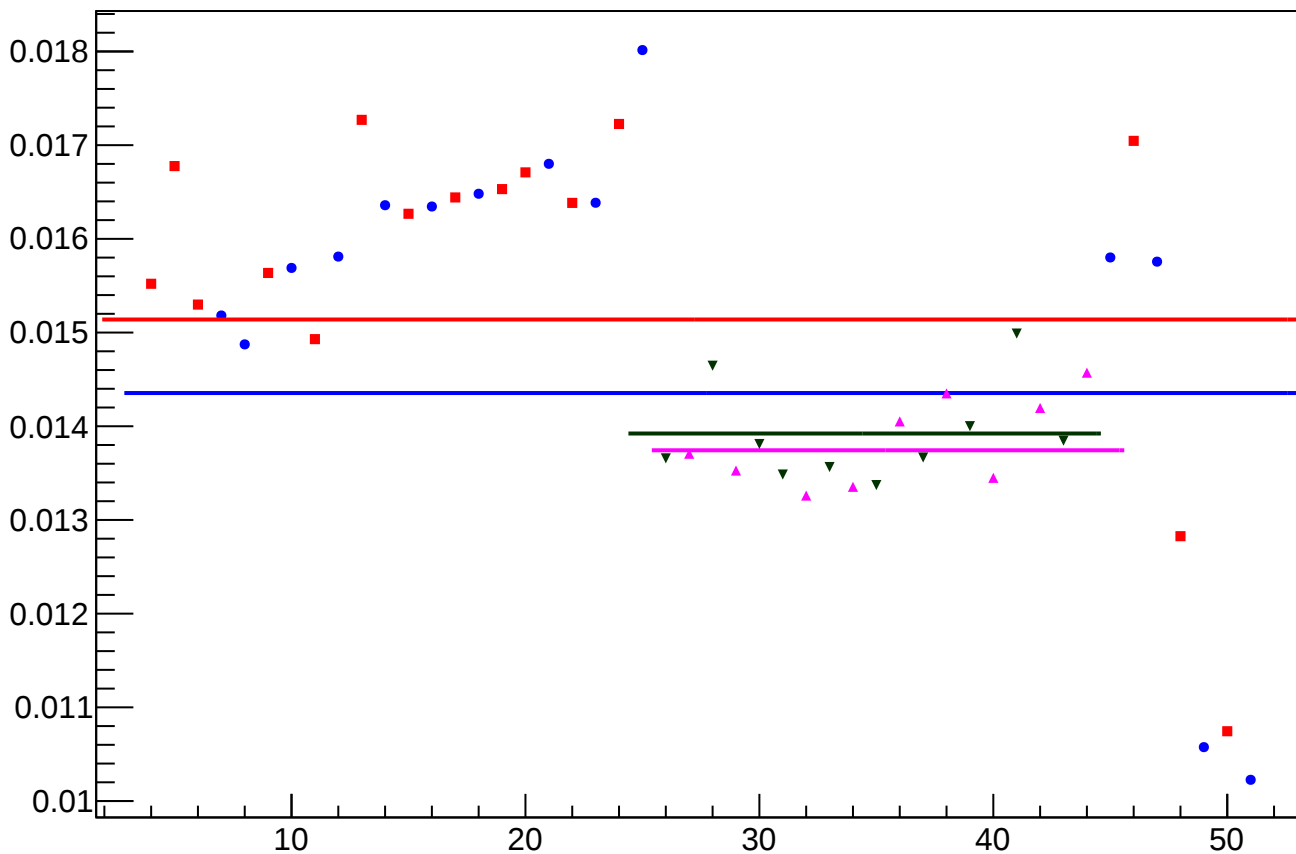
Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 21928150.5/14

Left In: 0.128 $\pm$ 0.000 χ^2 /NDF:35319224.9/8

0.141 $\pm$ 0.000 χ^2 /NDF: 201579979.5/23

0.140 $\pm$ 0.000 χ^2 /NDF: 65908712.9/23

yield_bpm0l08X_rms vs slug



Right In: 0.014+/-0.000 χ^2/NDF : 550137.7/13

Left Out: 0.014+/-0.000 χ^2/NDF :13410.6/9

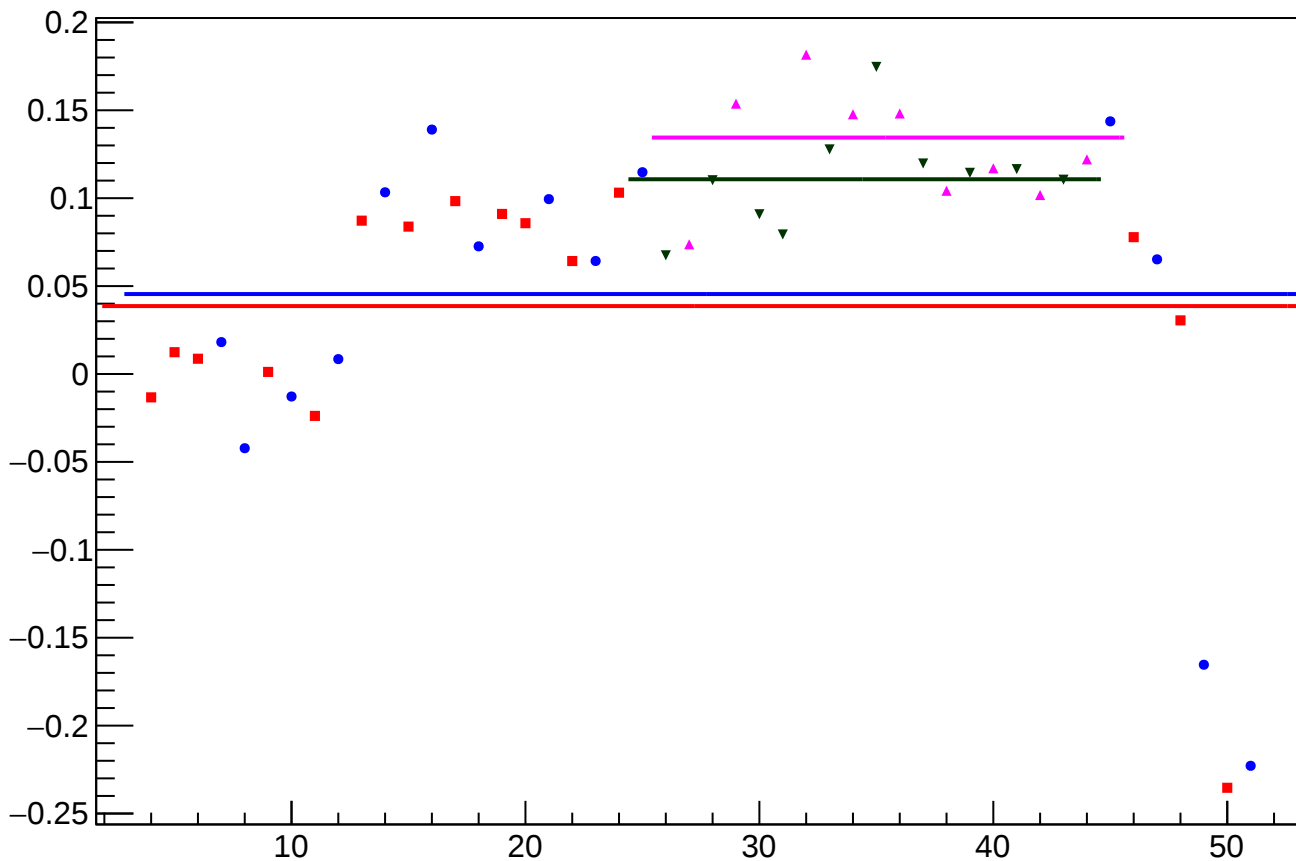
Right Out: 0.015+/-0.000 χ^2/NDF : 294316.4/14

Left In: 0.014+/-0.000 χ^2/NDF :10776.7/8

0.014+/-0.000 χ^2/NDF : 569683.3/23

0.014+/-0.000 χ^2/NDF : 365339.7/23

yield_bpm0l08Y_mean vs slug



Right In: 0.045+/-0.000 χ^2/NDF : 5680127291.4/13

Left Out: 0.111+/-0.000 χ^2/NDF : 325634113.5/9

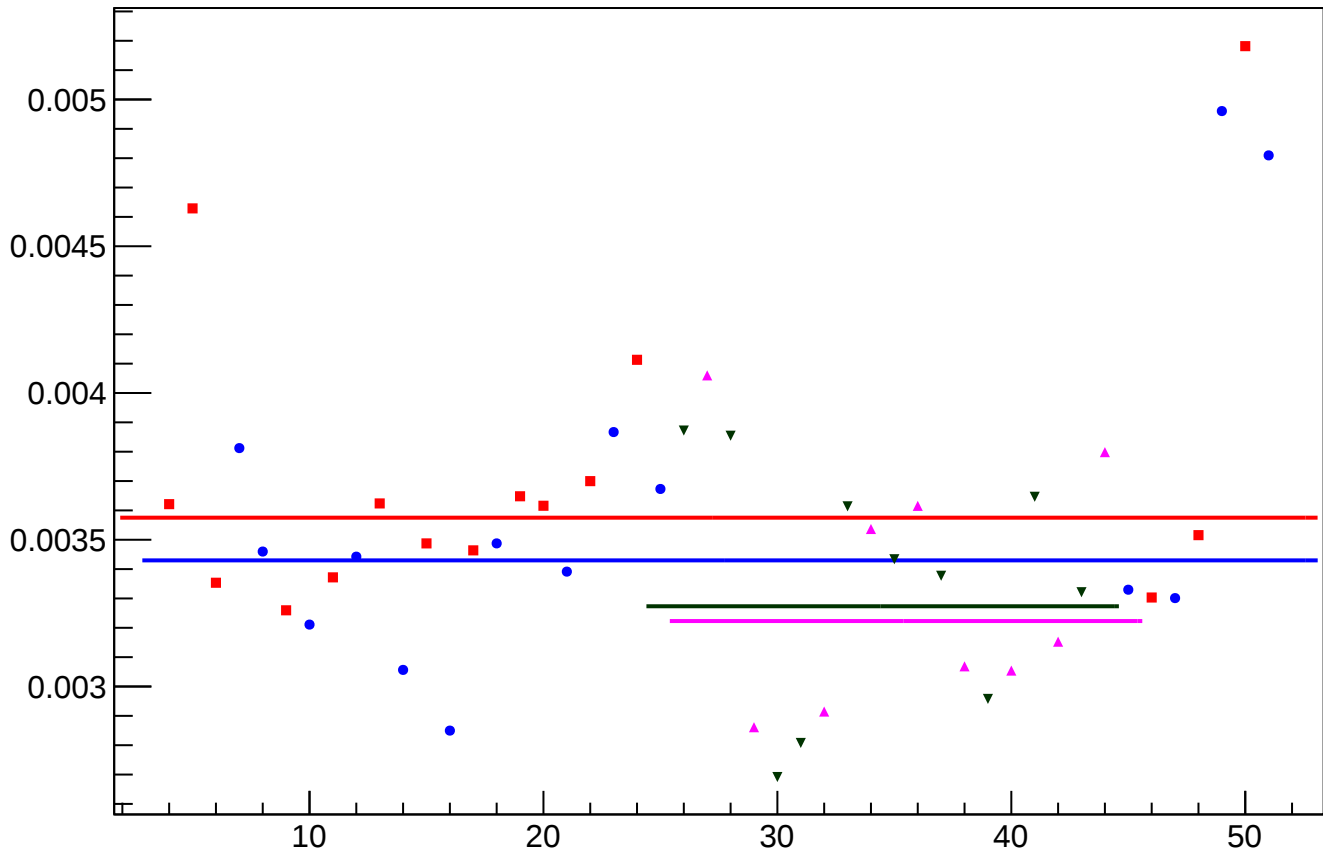
Right Out: 0.039+/-0.000 χ^2/NDF : 2641669508.5/14

Left In: 0.134+/-0.000 χ^2/NDF : 584141111.2/8

0.072+/-0.000 χ^2/NDF : 7208374181.8/23

0.084+/-0.000 χ^2/NDF : 5717684068.8/23

yield_bpm0l08Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 346938.8/13

Left Out: 0.003+/-0.000 χ^2/NDF :157067.3/9

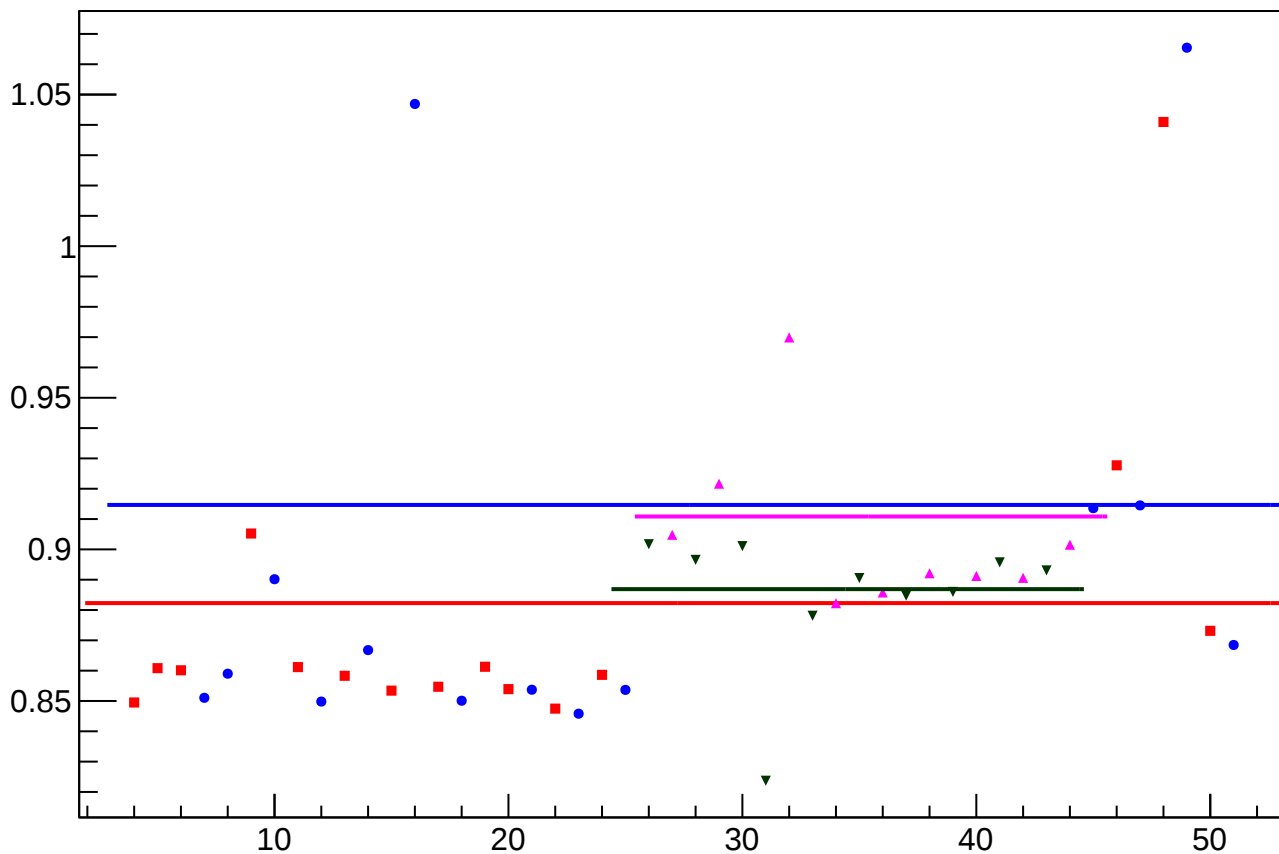
Right Out: 0.004+/-0.000 χ^2/NDF : 162459.3/14

Left In: 0.003+/-0.000 χ^2/NDF :163315.9/8

0.003+/-0.000 χ^2/NDF : 517793.9/23

0.003+/-0.000 χ^2/NDF : 393052.1/23

yield_bpm0l09X_mean vs slug



Right In: 0.915 $\pm$ 0.000 χ^2/NDF : 296812735.6/13

Left Out: 0.887 $\pm$ 0.000 χ^2/NDF :10371268.3/9

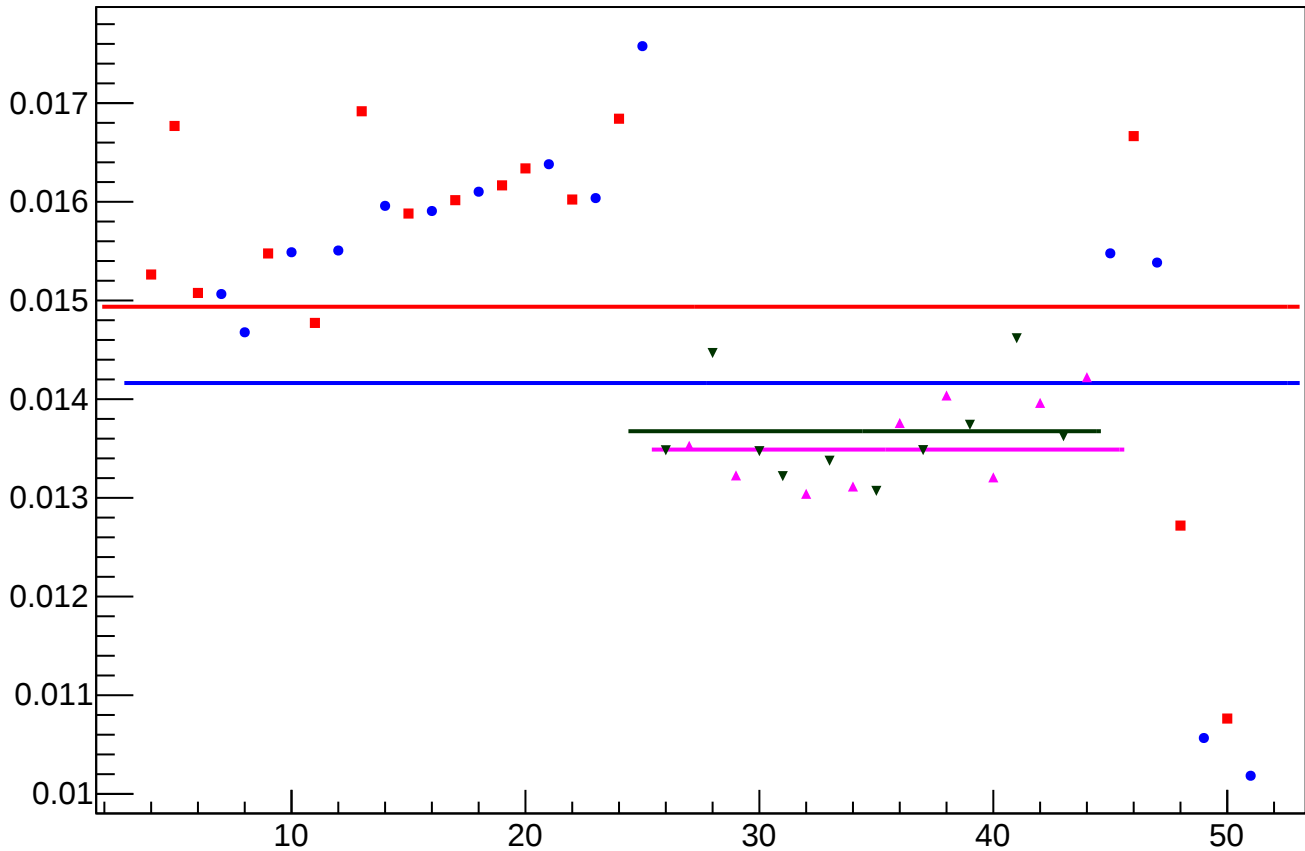
Right Out: 0.882 $\pm$ 0.000 χ^2/NDF : 90257472.6/14

Left In: 0.911 $\pm$ 0.000 χ^2/NDF :26013449.3/8

0.903 $\pm$ 0.000 χ^2/NDF : 320284172.2/23

0.896 $\pm$ 0.000 χ^2/NDF : 129292654.2/23

yield_bpm0l09X_rms vs slug



Right In: 0.014+/-0.000 χ^2/NDF : 497346.8/13

Left Out: 0.014+/-0.000 χ^2/NDF :13316.5/9

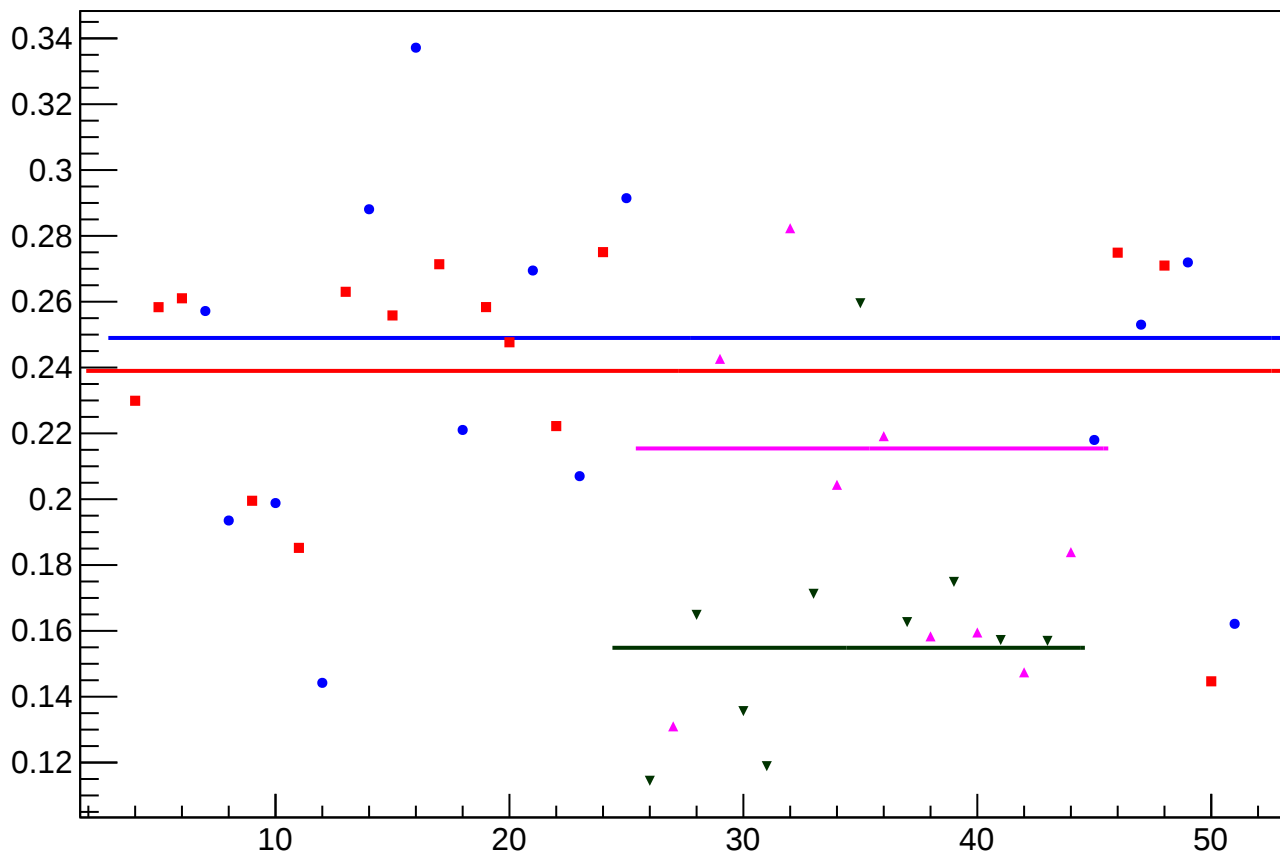
0.014+/-0.000 χ^2/NDF : 518762.2/23

Right Out: 0.015+/-0.000 χ^2/NDF : 260556.4/14

0.014+/-0.000 χ^2/NDF : 337328.0/23

Left In: 0.013+/-0.000 χ^2/NDF :9868.2/8

yield_bpm0l09Y_mean vs slug



Right In: 0.249+/-0.000 χ^2/NDF : 1832118833.0/13

Left Out: 0.155+/-0.000 χ^2/NDF : 491584814.3/9

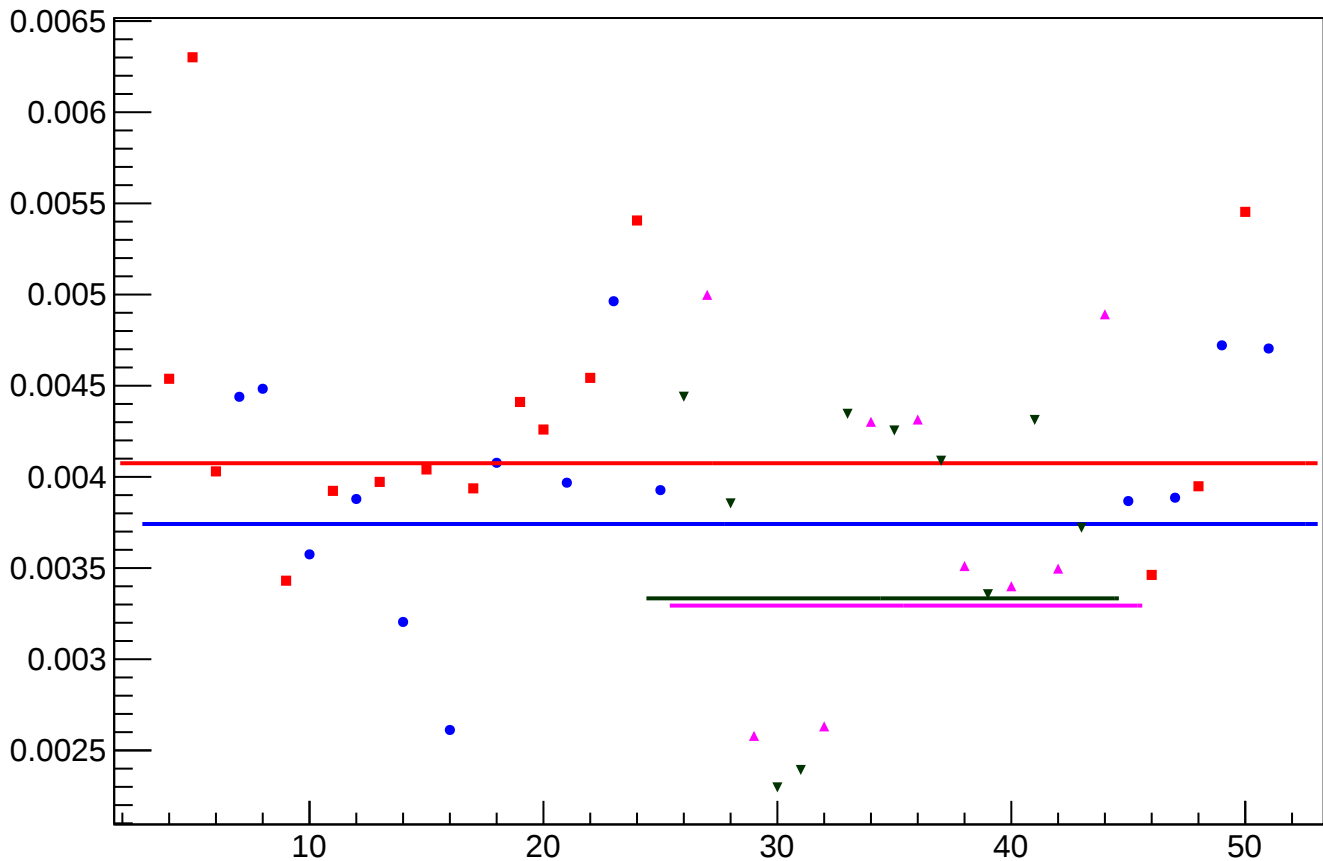
Right Out: 0.239+/-0.000 χ^2/NDF : 563325726.7/14

Left In: 0.215+/-0.000 χ^2/NDF : 1302153804.0/8

0.209+/-0.000 χ^2/NDF : 4475643224.2/23

0.227+/-0.000 χ^2/NDF : 1987257848.6/23

yield_bpm0l09Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 523442.0/13

Left Out: 0.003+/-0.000 χ^2/NDF : 596508.1/9

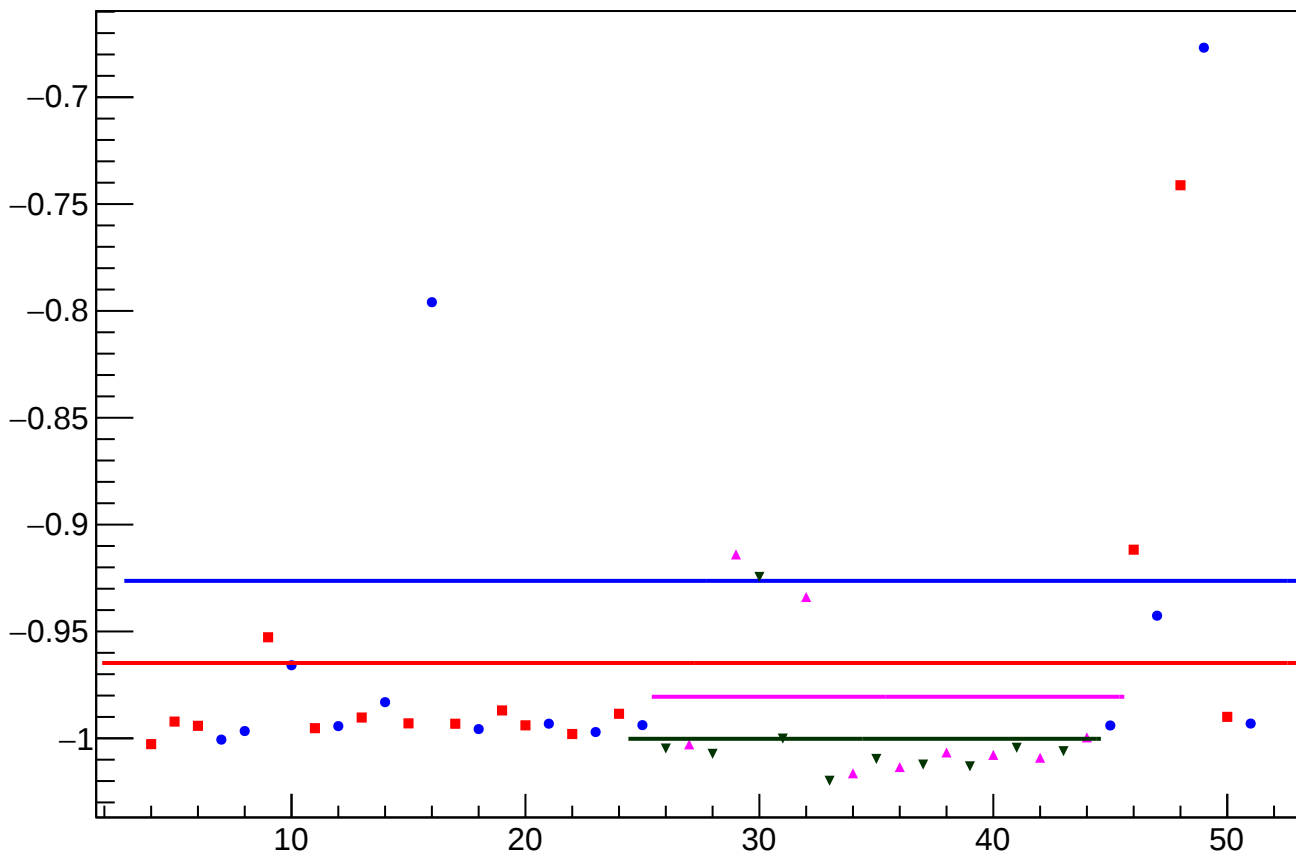
Right Out: 0.004+/-0.000 χ^2/NDF : 254957.5/14

Left In: 0.003+/-0.000 χ^2/NDF : 624356.7/8

0.004+/-0.000 χ^2/NDF : 1200765.7/23

0.004+/-0.000 χ^2/NDF : 1146740.3/23

yield_bpm0l10X_mean vs slug



Right In: -0.926 ± 0.000 χ^2/NDF : 604301341.2/13

Left Out: -1.000 ± 0.000 χ^2/NDF : 20984094.7/9

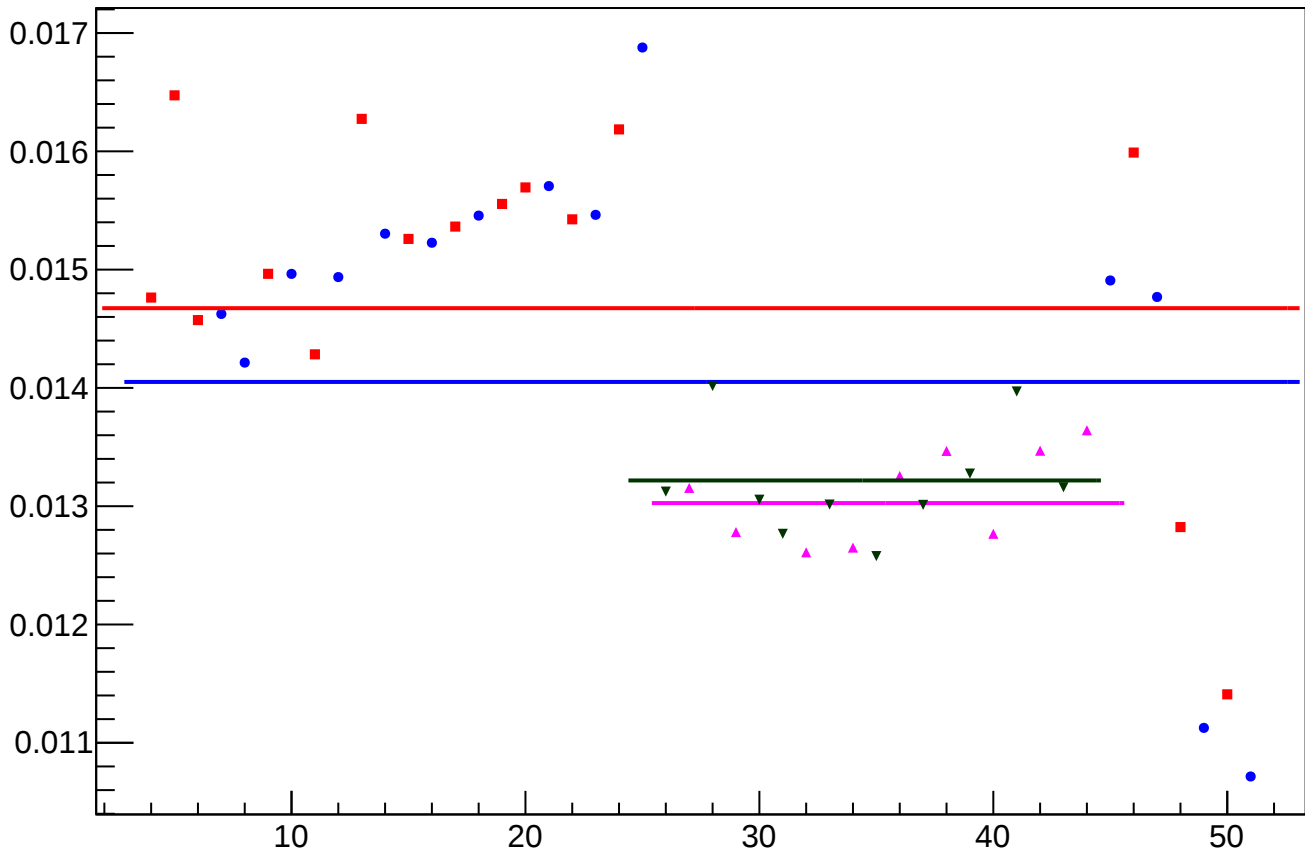
Right Out: -0.965 ± 0.000 χ^2/NDF : 166212740.7/14

Left In: -0.981 ± 0.000 χ^2/NDF : 51761164.5/8

-0.957 ± 0.000 χ^2/NDF : 722792163.9/23

-0.972 ± 0.000 χ^2/NDF : 222191384.2/23

yield_bpm0l10X_rms vs slug



Right In: 0.014+/-0.000 χ^2/NDF : 295248.3/13

Left Out: 0.013+/-0.000 χ^2/NDF :12265.8/9

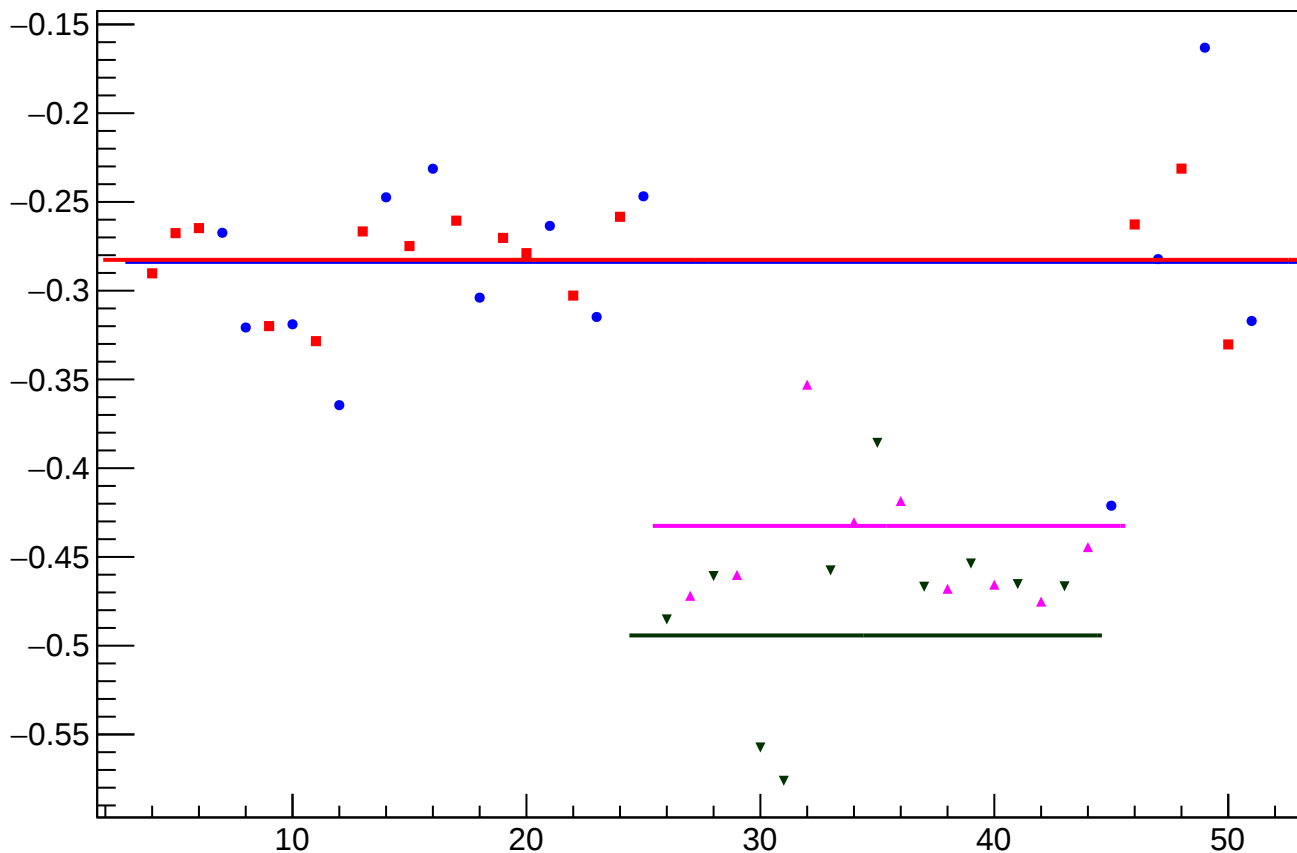
Right Out: 0.015+/-0.000 χ^2/NDF : 152296.7/14

Left In: 0.013+/-0.000 χ^2/NDF :8570.4/8

0.014+/-0.000 χ^2/NDF : 332283.4/23

0.014+/-0.000 χ^2/NDF : 252446.5/23

yield_bpm0l10Y_mean vs slug



Right In: -0.284+/-0.000 χ^2/NDF : 2512722329.7/13

Left Out: -0.494+/-0.000 χ^2/NDF : 1568805763.5/9

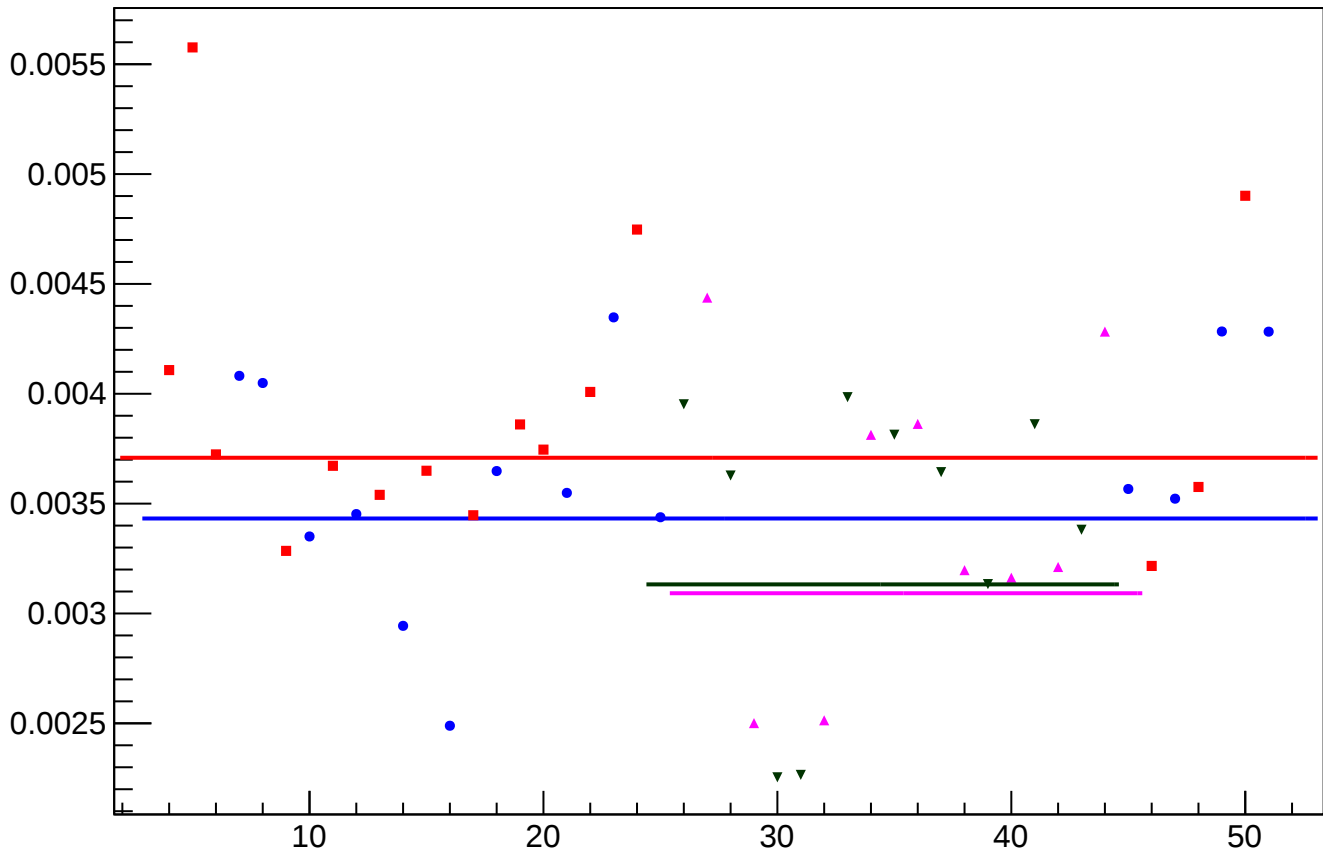
Right Out: -0.283+/-0.000 χ^2/NDF : 434044468.4/14

Left In: -0.433+/-0.000 χ^2/NDF : 1186728653.8/8

-0.370+/-0.000 χ^2/NDF : 16748013400.3/23

-0.359+/-0.000 χ^2/NDF : 7504838187.0/23

yield_bpm0l10Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 430699.1/13

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 : 946099.9/23

0.003+/-0.000 χ^2/NDF : 872166.2/23