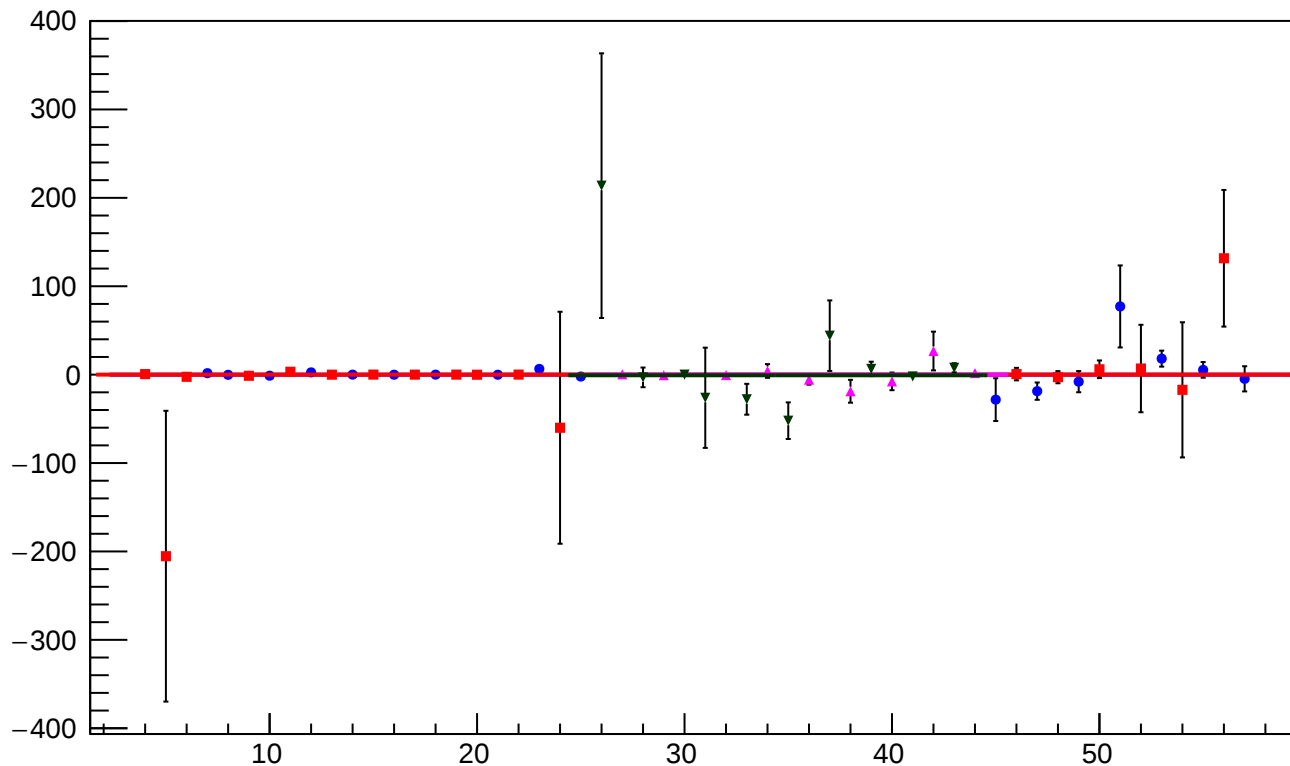


diff_cav4bX_mean vs slug



Right In: -0.014 $\pm$ 0.014

Left Out: -0.705 $\pm$ 1.554

Right Out: 0.017 $\pm$ 0.016

Left In: -0.086 $\pm$ 0.168

χ^2 /NDF: 30.7/16

χ^2 /NDF: 16.1/9

χ^2 /NDF: 22.8/17

χ^2 /NDF: 15.5/8

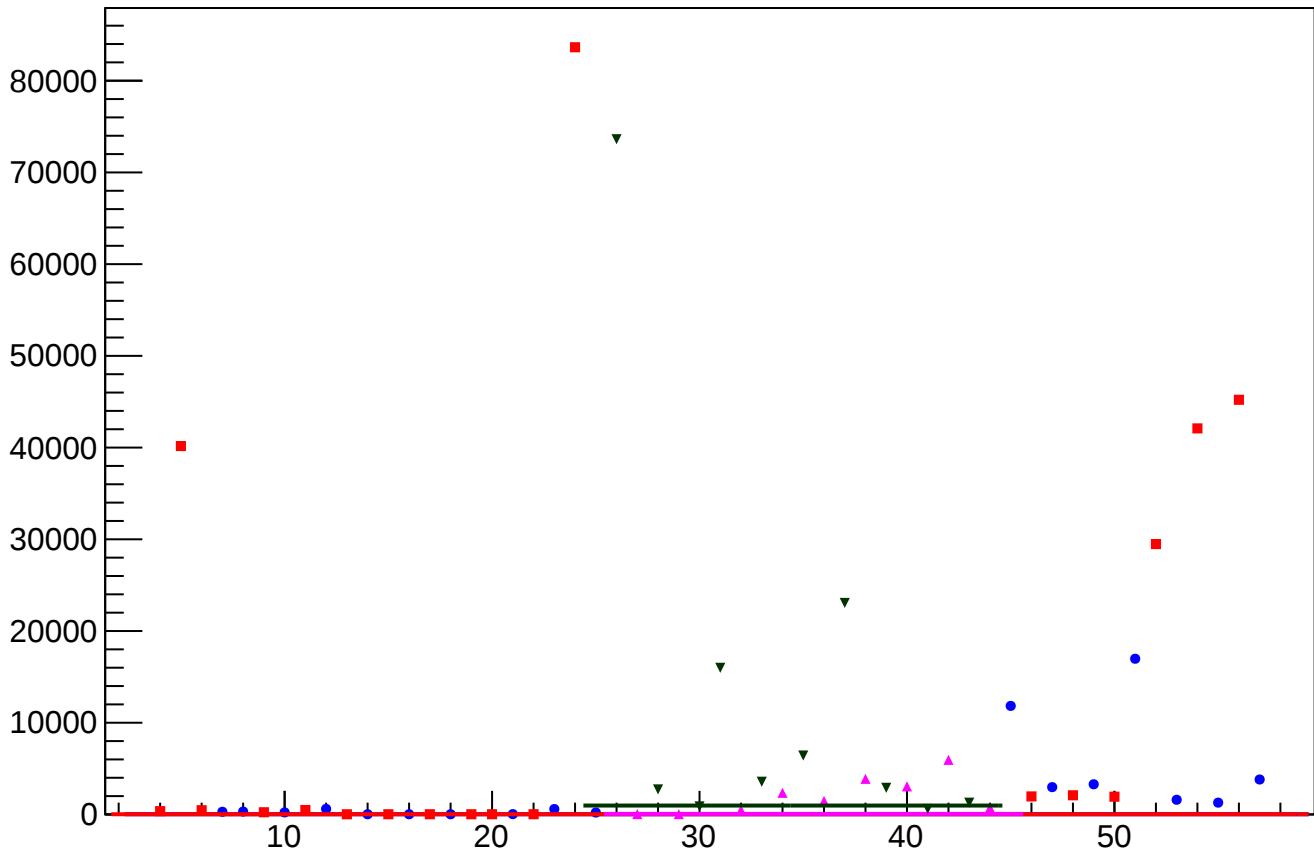
-0.014 $\pm$ 0.014

0.016 $\pm$ 0.016

χ^2 /NDF: 46.9/26

χ^2 /NDF: 38.7/26

diff_cav4bX_rms vs slug



Right In: 22.426+/-0.010 χ^2/NDF : 2088925.2/16

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

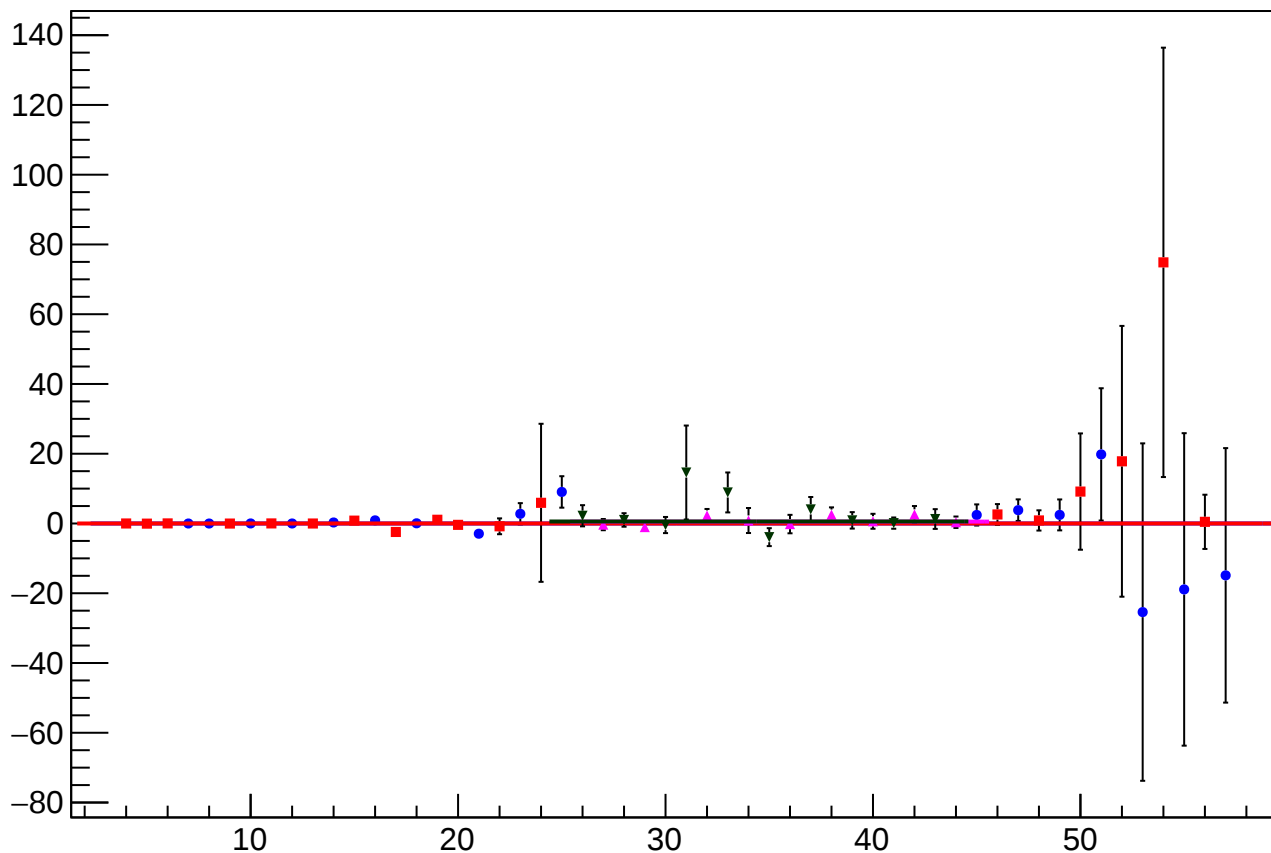
Right Out: 22.609+/-0.011 χ^2/NDF : 3813946.6/17

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

22.507+/-0.010 χ^2/NDF : 4478984.8/26

22.964+/-0.011 χ^2/NDF : 5492578.3/26

diff_cav4bY_mean vs slug



Right In: -0.001+/-0.006 χ^2/NDF : 22.4/16

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

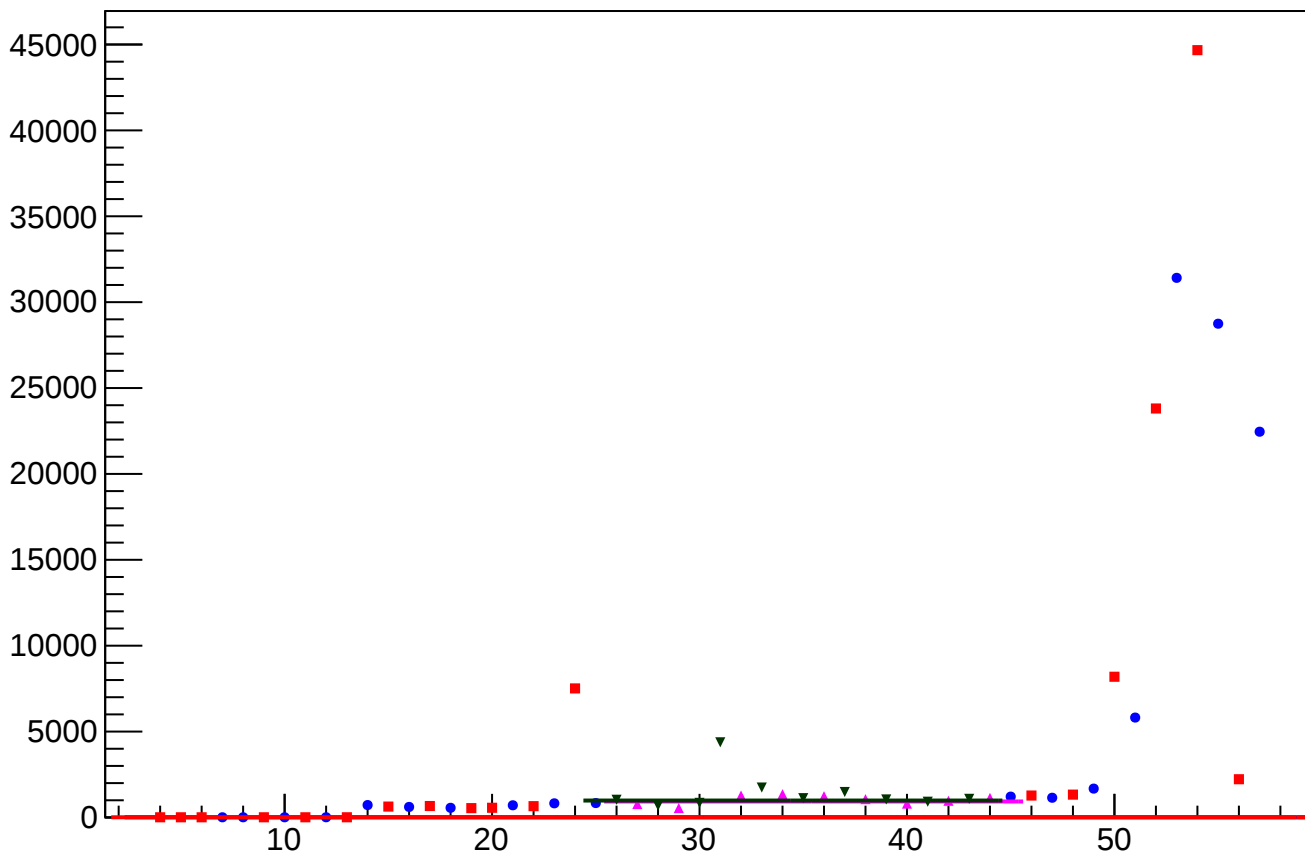
Right Out: 0.002+/-0.005 χ^2/NDF : 19.8/17

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

-0.001+/-0.006 χ^2/NDF : 30.8/26

0.002+/-0.005 χ^2/NDF : 24.8/26

diff_cav4bY_rms vs slug



Right In: 10.507+/-0.005 χ^2/NDF : 7757789.0/16

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

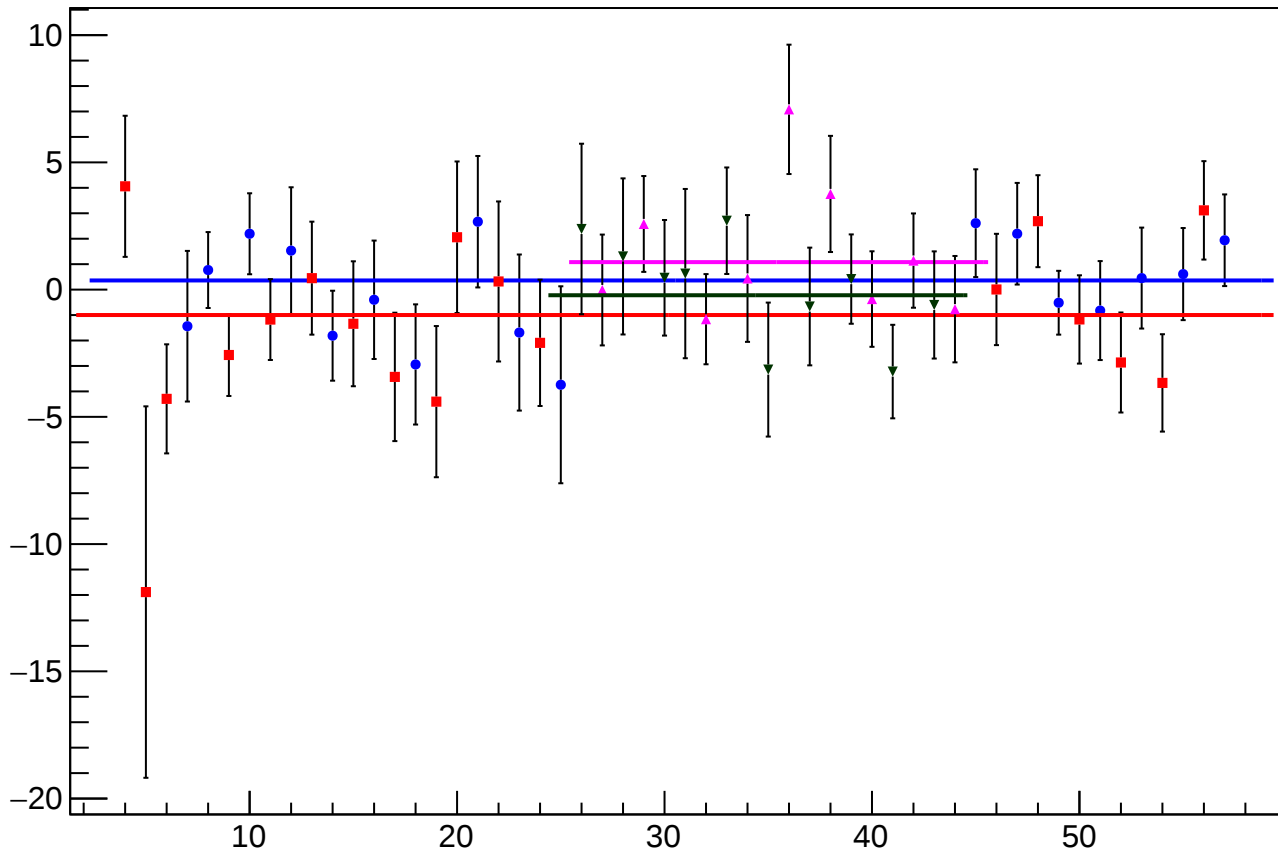
Right Out: 10.086+/-0.004 χ^2/NDF : 5788696.1/17

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

10.569+/-0.005 χ^2/NDF : 10907910.4/26

10.152+/-0.004 χ^2/NDF : 10263830.9/26

diff_cav4cX_mean vs slug



Right In: 0.360 ± 0.478 χ^2/NDF : 11.6/16

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

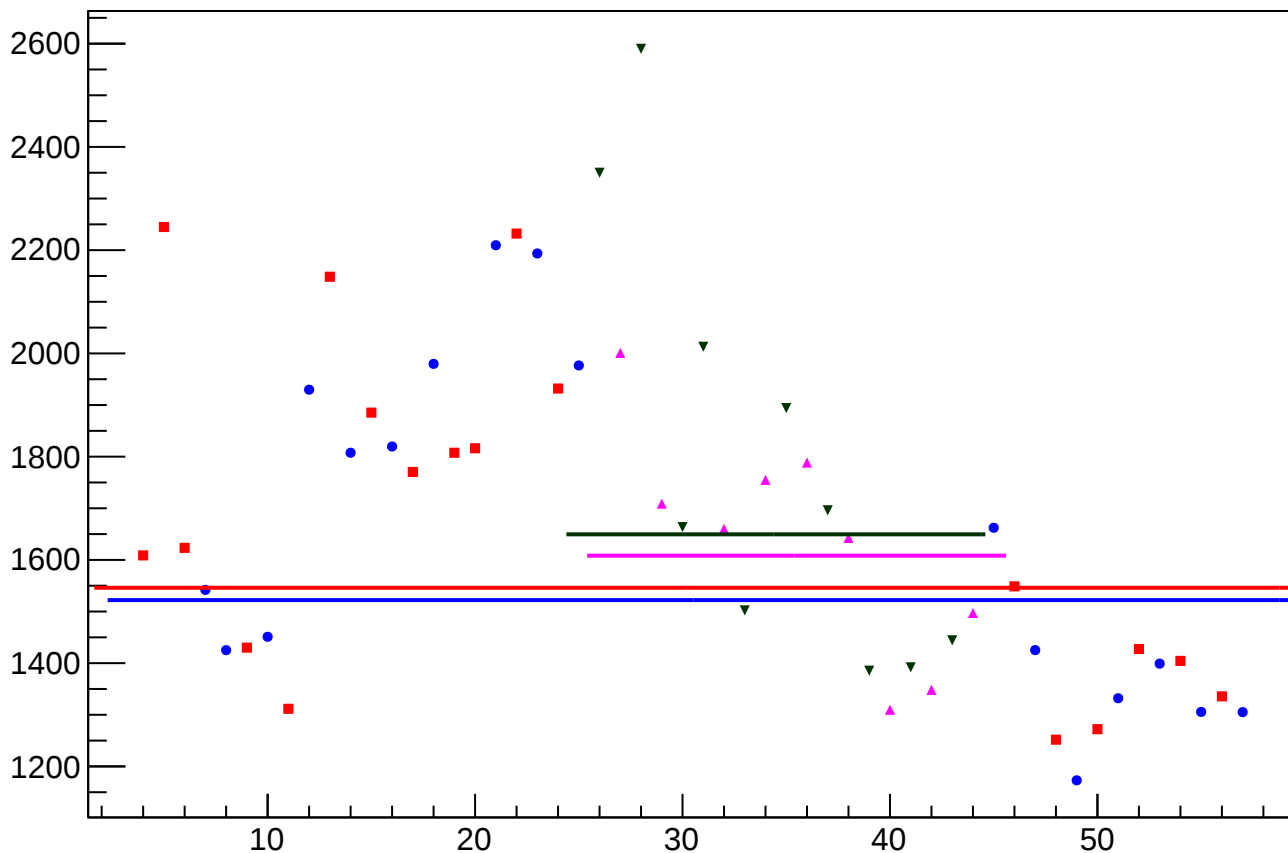
Right Out: -0.999 ± 0.512 χ^2/NDF : 24.7/17

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

0.185 ± 0.400 χ^2/NDF : 19.1/26

-0.255 ± 0.410 χ^2/NDF : 41.5/26

diff_cav4cX_rms vs slug



Right In: 1522.117+/-0.338 χ^2/NDF : 744227.2/16

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

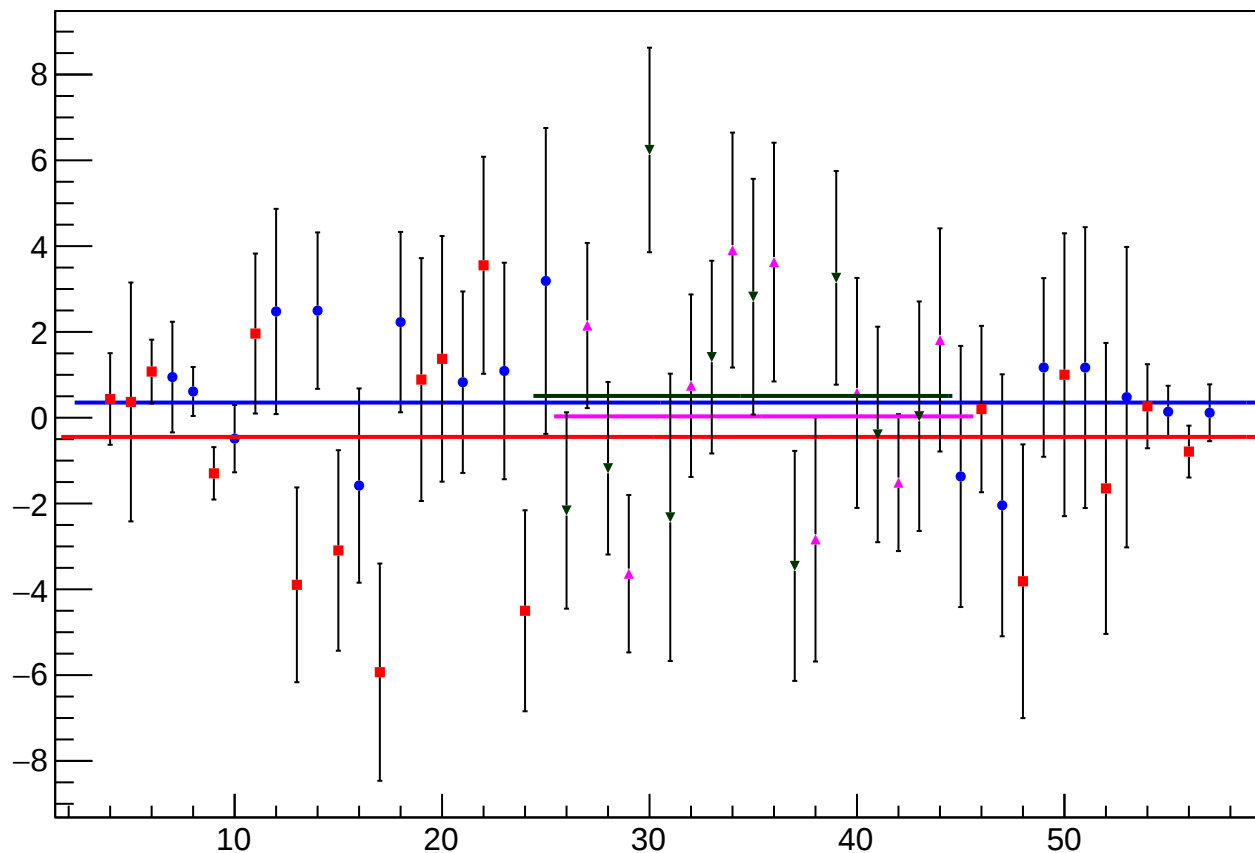
Right Out: 1546.094+/-0.362 χ^2/NDF : 597620.6/17

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

1560.530+/-0.283 χ^2/NDF : 1217958.0/26

1568.326+/-0.290 χ^2/NDF : 793753.7/26

diff_cav4cY_mean vs slug



Right In: 0.353 ± 0.285 $\chi^2/\text{NDF}: 7.4/16$

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

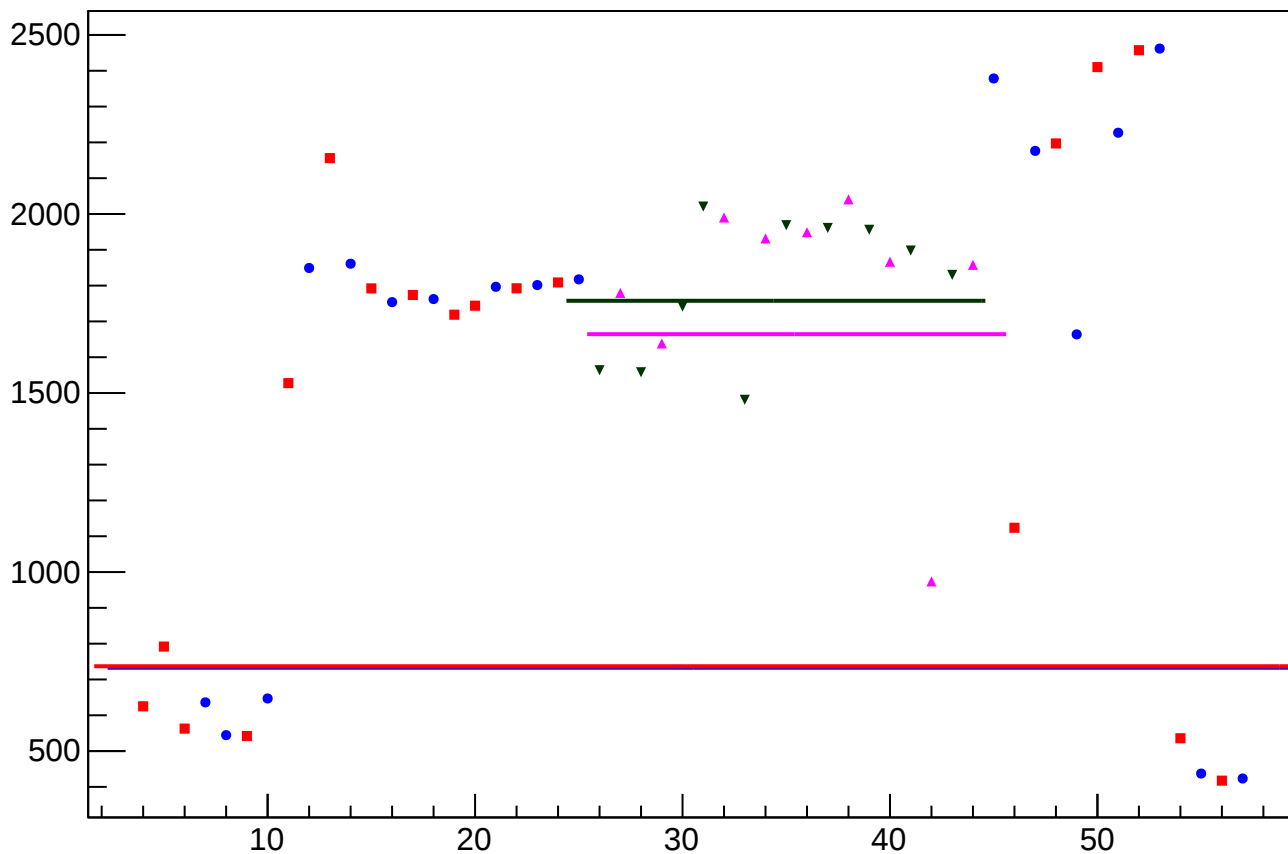
Right Out: -0.447 ± 0.298 $\chi^2/\text{NDF}: 25.4/17$

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

0.371 ± 0.268 $\chi^2/\text{NDF}: 20.5/26$

-0.379 ± 0.276 $\chi^2/\text{NDF}: 37.2/26$

diff_cav4cY_rms vs slug



Right In: 732.828+/-0.202 χ^2/NDF : 6638263.1/16

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

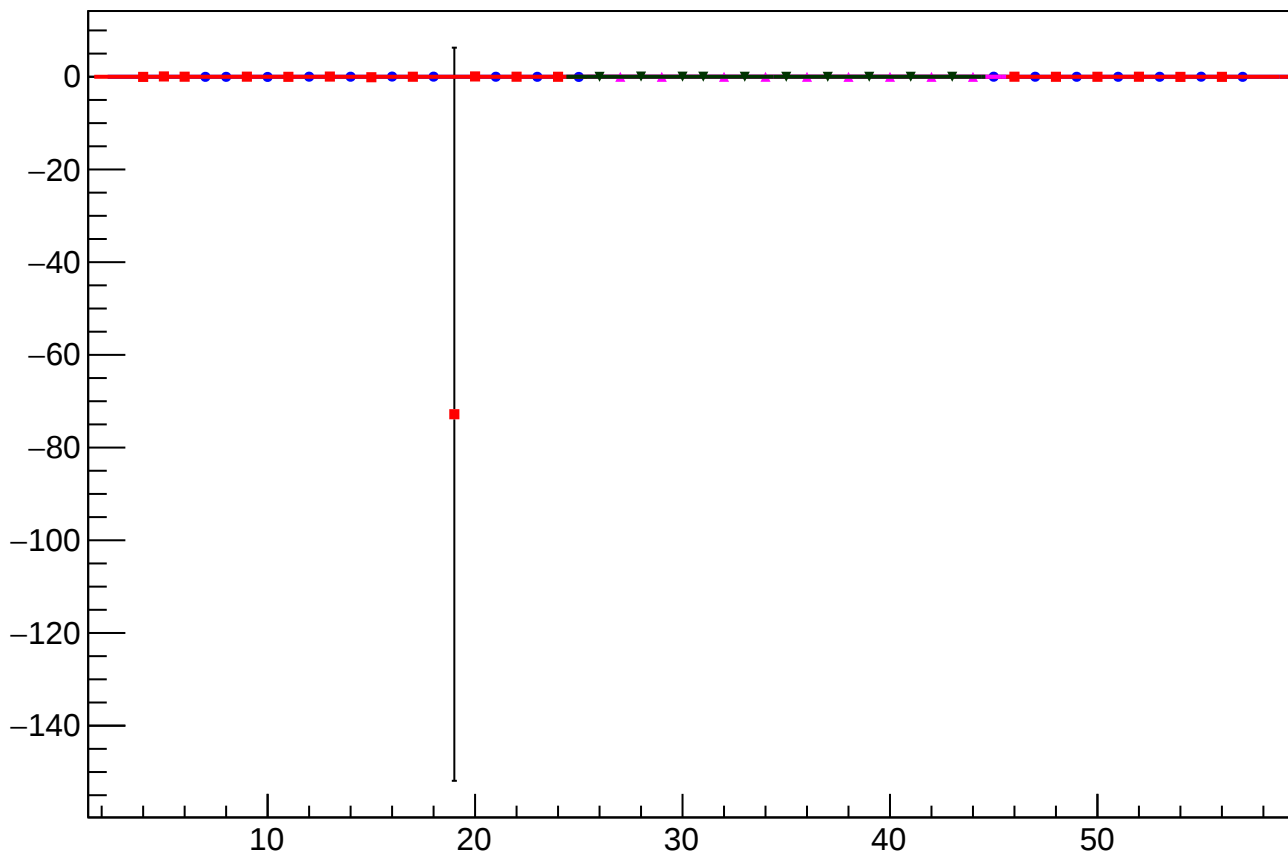
Right Out: 736.923+/-0.211 χ^2/NDF : 5646443.9/17

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

853.181+/-0.190 χ^2/NDF : 9785202.1/26

868.319+/-0.196 χ^2/NDF : 8909372.3/26

diff_cav4dX_mean vs slug



Right In: 0.001 $\pm$ 0.004 χ^2 /NDF: 11.4/16

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

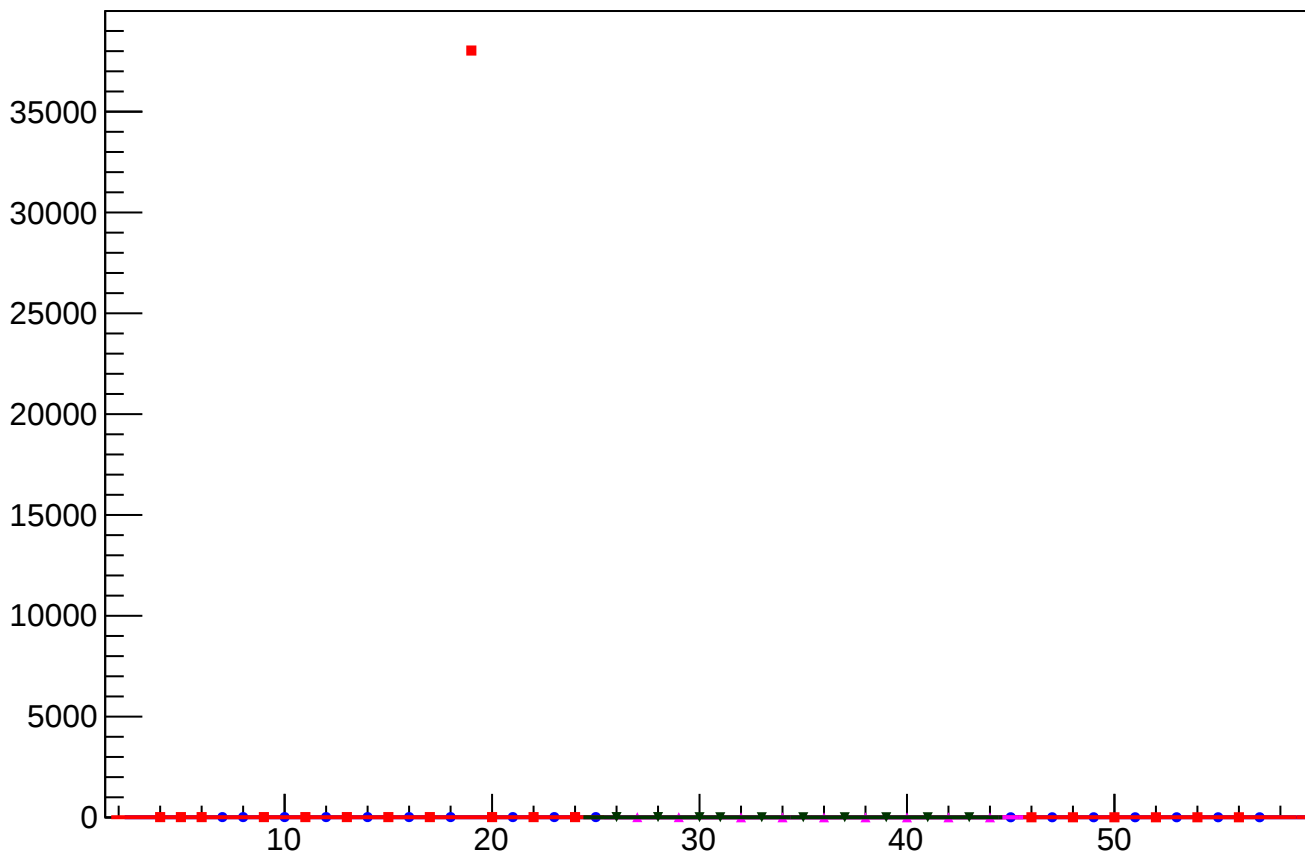
Right Out: 0.001 $\pm$ 0.004 χ^2 /NDF: 19.3/17

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

0.001 $\pm$ 0.003 χ^2 /NDF: 20.1/26

-0.001 $\pm$ 0.003 χ^2 /NDF: 21.0/26

diff_cav4dX_rms vs slug



Right In: 10.870 $\pm$ 0.003 χ^2 /NDF: 1872688.9/16

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

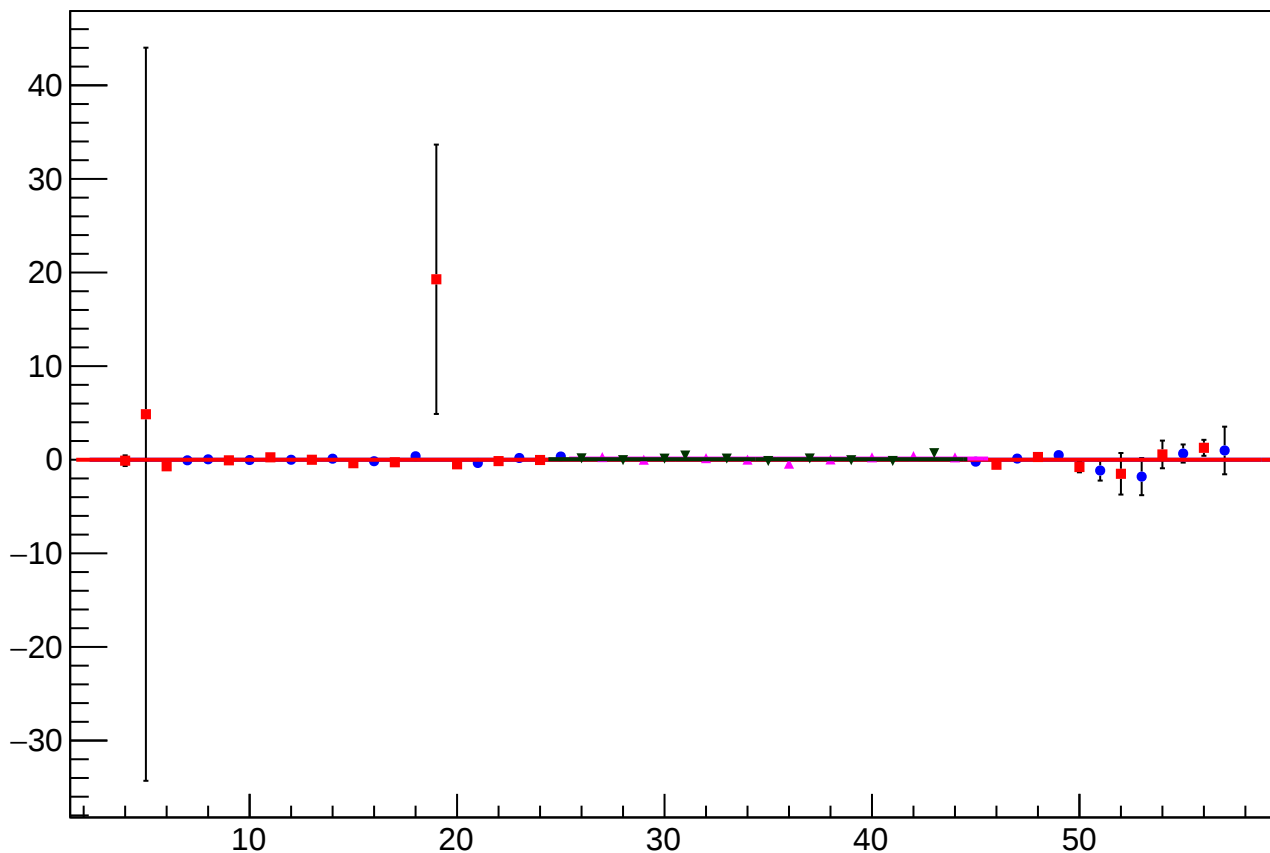
Right Out: 11.369 $\pm$ 0.003 χ^2 /NDF: 2184549.7/17

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

10.169 $\pm$ 0.002 χ^2 /NDF: 2607948.7/26

10.308 $\pm$ 0.002 χ^2 /NDF: 3164496.4/26

diff_cav4dY_mean vs slug



Right In: -0.003+/-0.003 χ^2 /NDF: 20.9/16

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

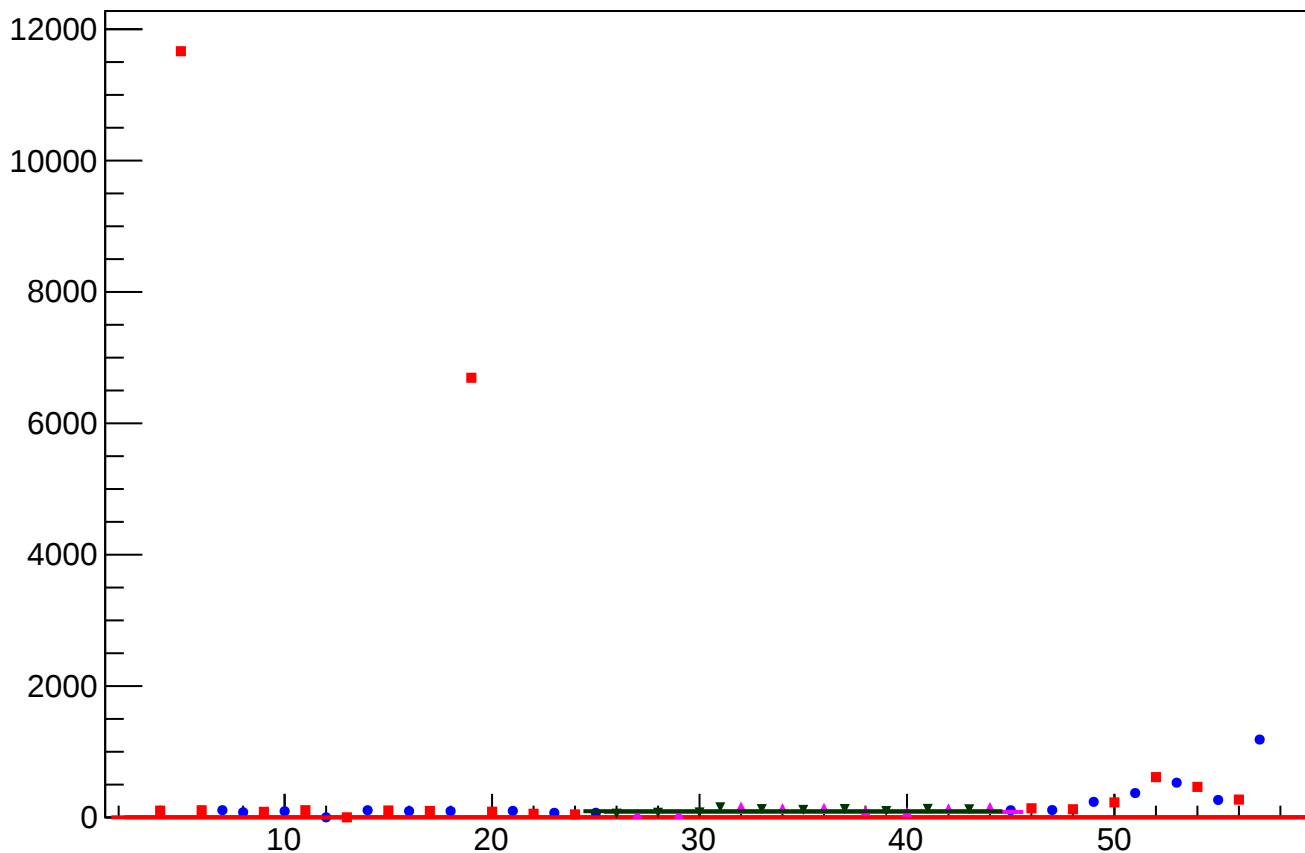
Right Out: -0.003+/-0.003 χ^2 /NDF: 21.0/17

Left In: 0.127+/-0.053 χ^2 /NDF:9.8/8

-0.002+/-0.003 χ^2 /NDF: 33.4/26

-0.002+/-0.003 χ^2 /NDF: 36.6/26

diff_cav4dY_rms vs slug



Right In: 2.212+/-0.002 χ^2/NDF : 8814108.6/16

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

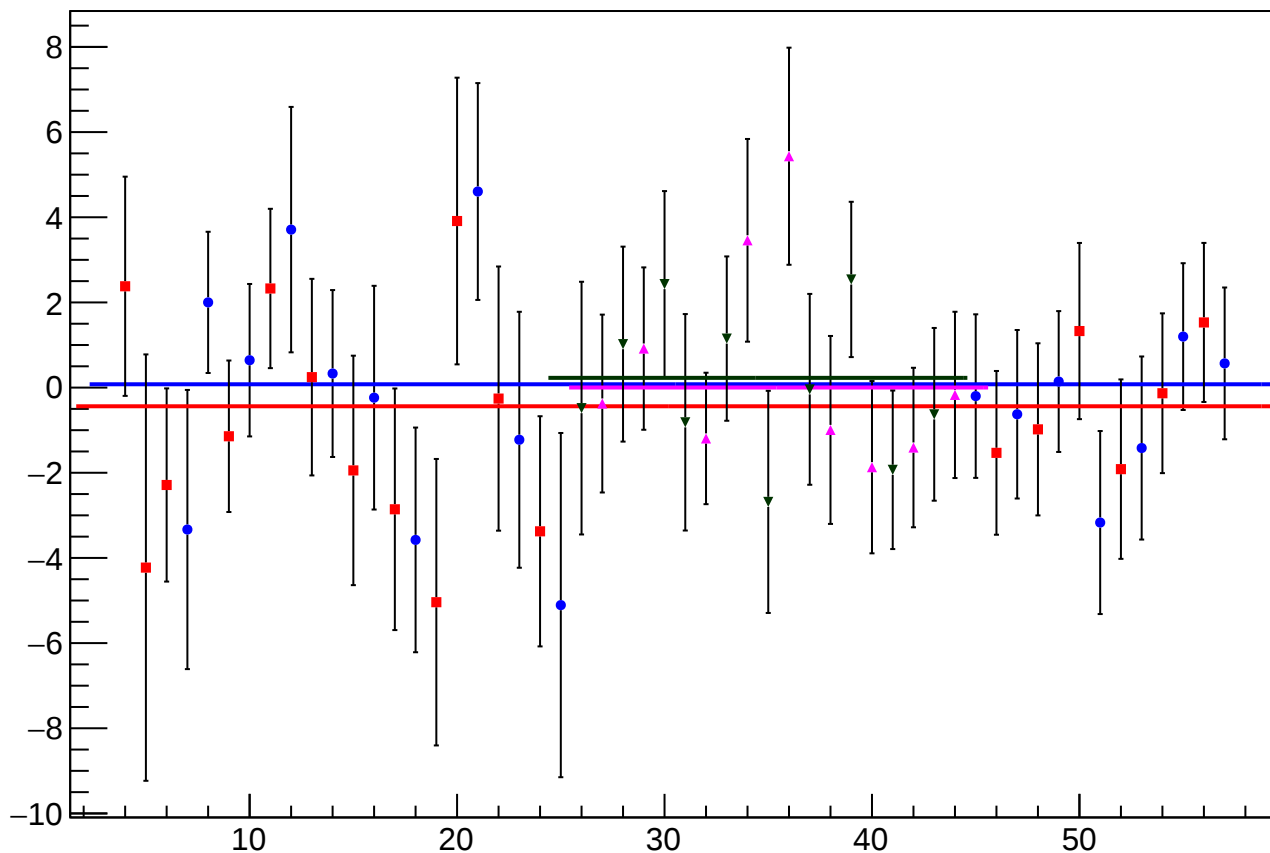
Right Out: 2.100+/-0.002 χ^2/NDF : 5955966.3/17

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

2.474+/-0.002 χ^2/NDF : 14391579.5/26

2.359+/-0.002 χ^2/NDF : 11618456.5/26

diff_bpm4aX_mean vs slug



Right In: 0.078 ± 0.517 χ^2/NDF : 14.5/16

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

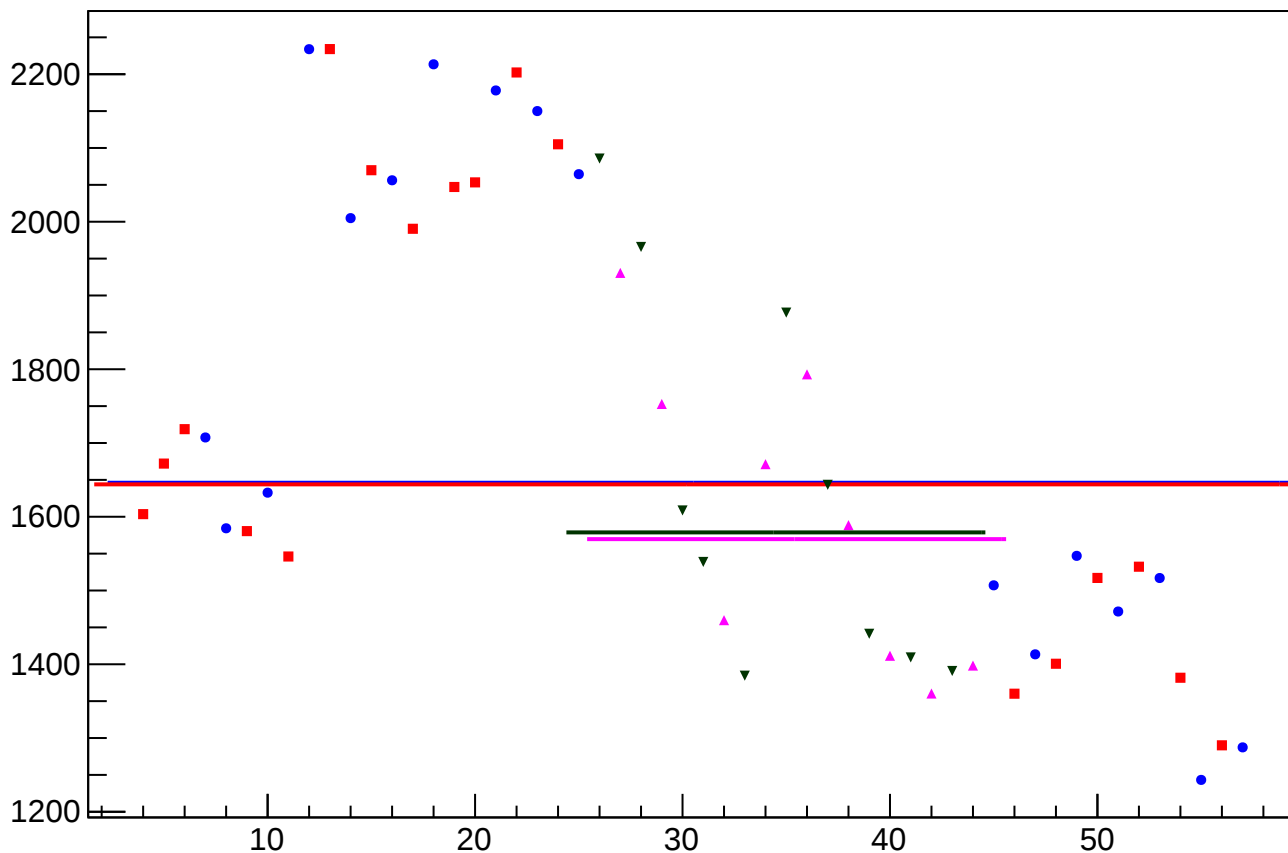
Right Out: -0.439 ± 0.542 χ^2/NDF : 13.4/17

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

0.133 ± 0.413 χ^2/NDF : 20.5/26

-0.263 ± 0.421 χ^2/NDF : 22.8/26

diff_bpm4aX_rms vs slug



Right In: 1646.099+/-0.366 χ^2/NDF : 716105.5/16

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

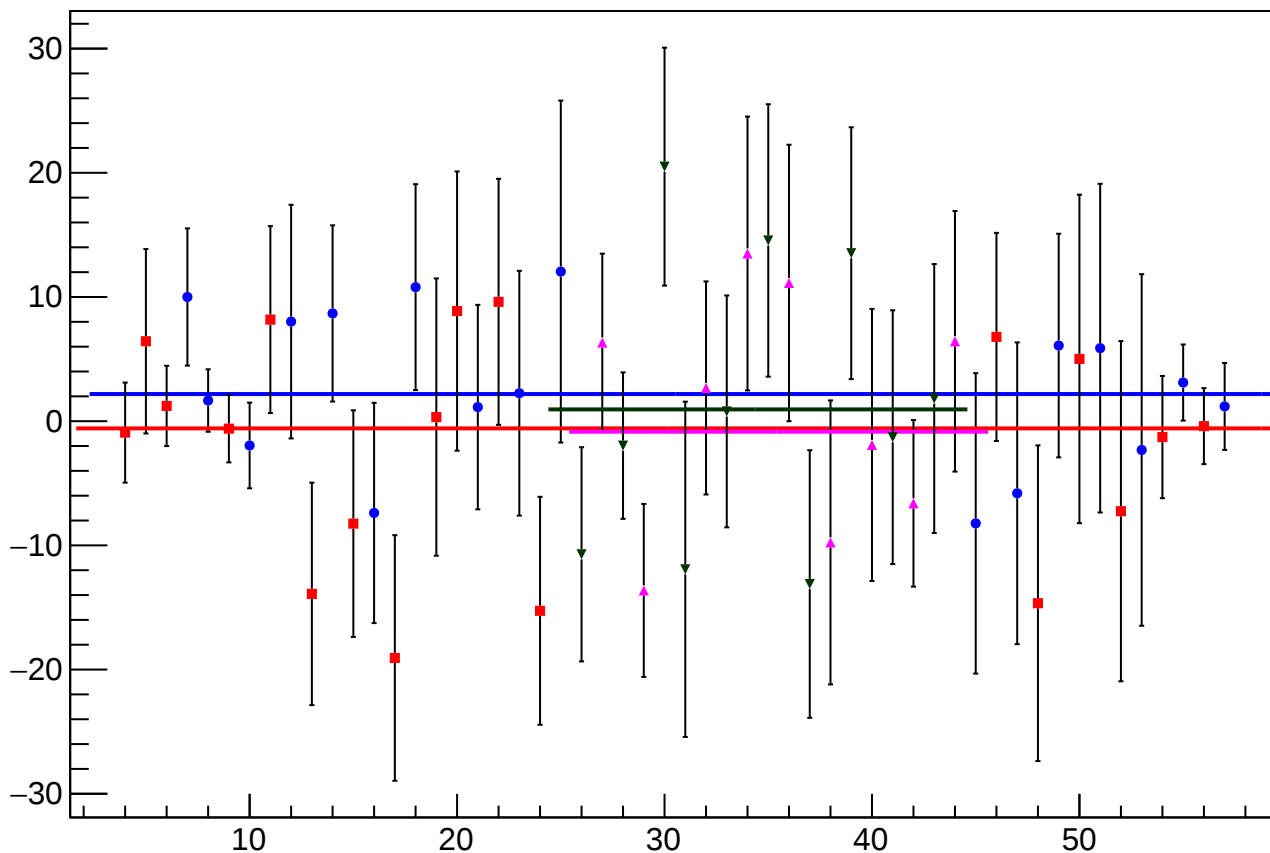
1621.781+/-0.292 χ^2/NDF : 937906.4/26

Right Out: 1643.921+/-0.384 χ^2/NDF : 599200.7/17

1614.332+/-0.297 χ^2/NDF : 774288.3/26

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

diff_bpm4aY_mean vs slug



Right In: 2.185 ± 1.304 $\chi^2/\text{NDF}: 9.2/16$

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

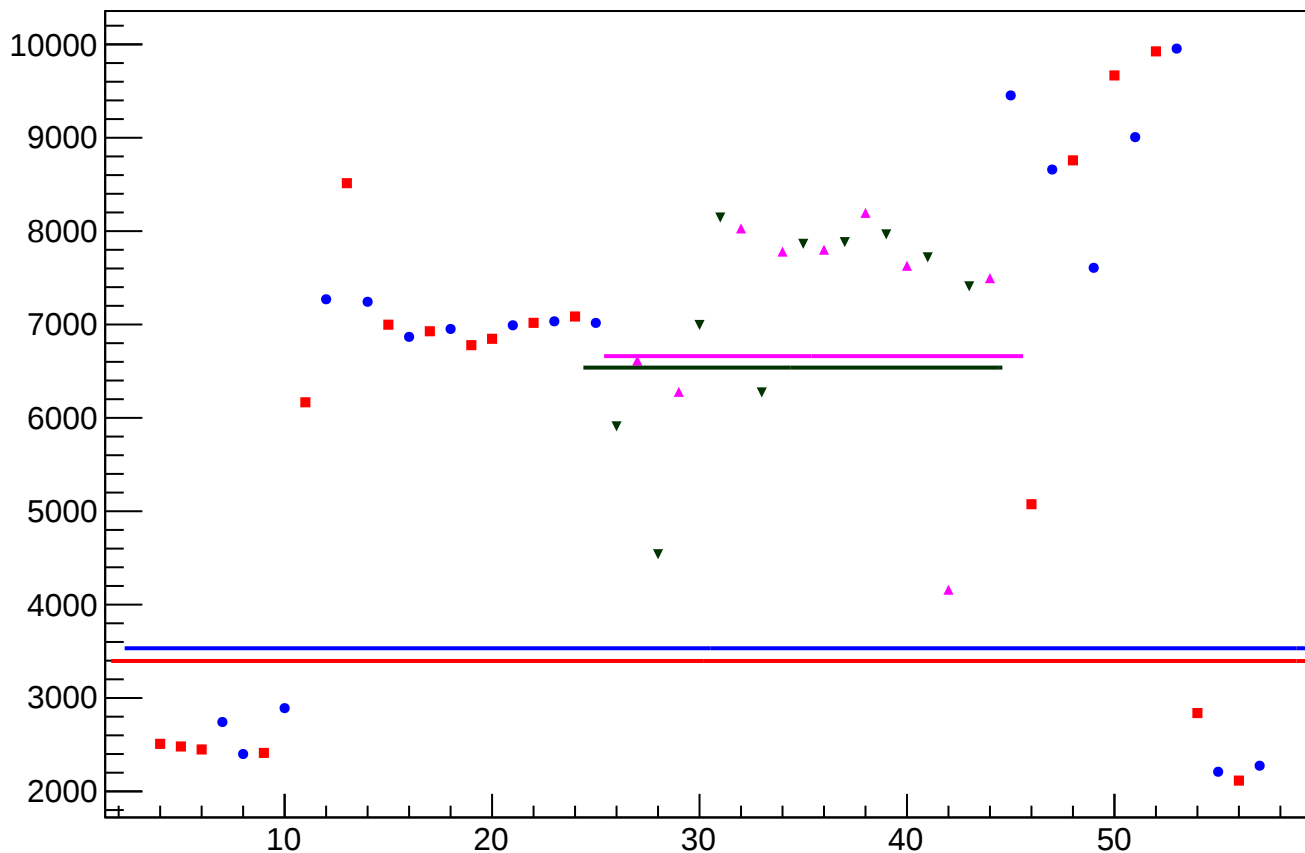
Right Out: -0.580 ± 1.312 $\chi^2/\text{NDF}: 15.8/17$

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

1.983 ± 1.193 $\chi^2/\text{NDF}: 21.3/26$

-0.625 ± 1.197 $\chi^2/\text{NDF}: 25.0/26$

diff_bpm4aY_rms vs slug



Right In: 3532.819+/-0.922 χ^2/NDF : 5364633.0/16

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

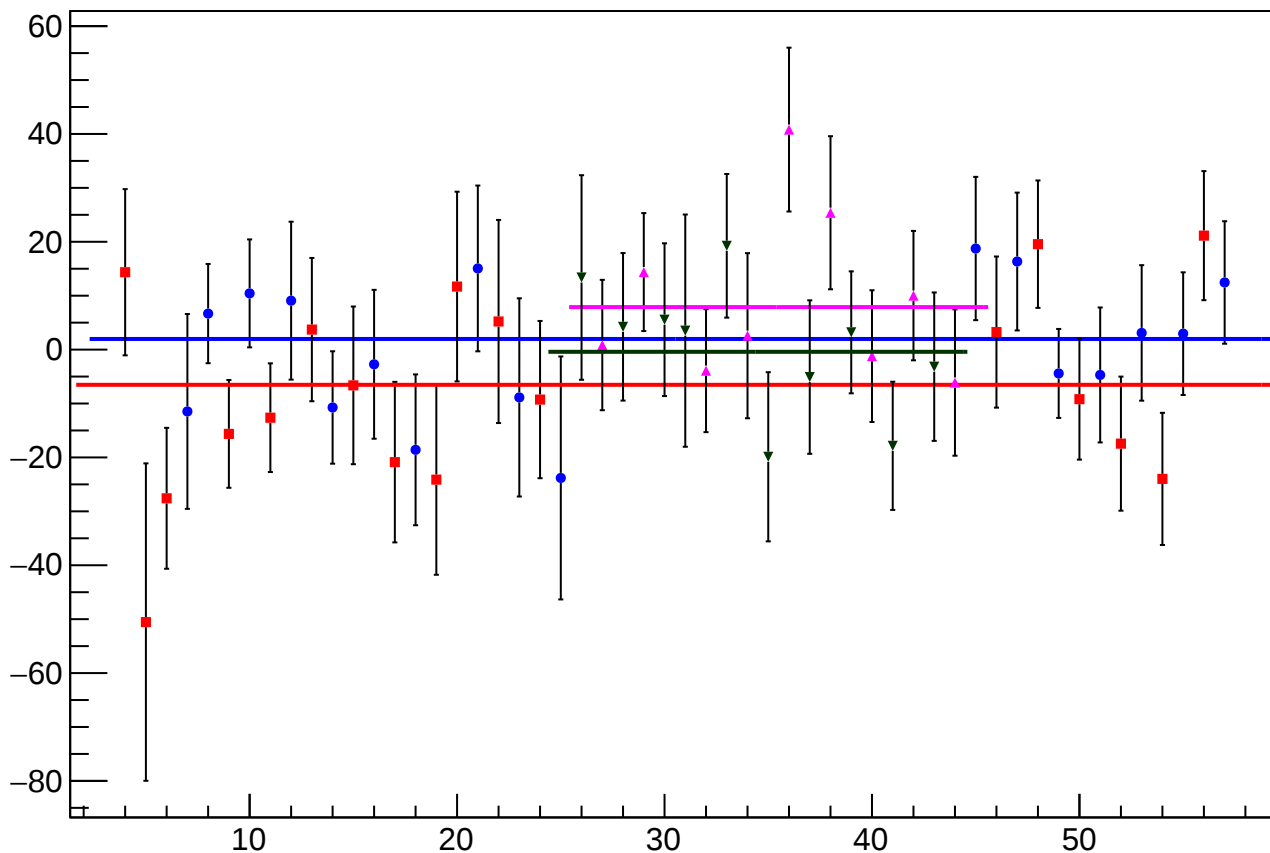
4023.666+/-0.843 χ^2/NDF : 7515103.7/26

Right Out: 3396.304+/-0.928 χ^2/NDF : 4731227.2/17

3944.964+/-0.846 χ^2/NDF : 7252949.4/26

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

diff_bpm4eX_mean vs slug



Right In: 1.974 $\pm$ 2.976 χ^2/NDF : 12.5/16

Left Out: -0.408 $\pm$ 4.470 χ^2/NDF : 7.0/9

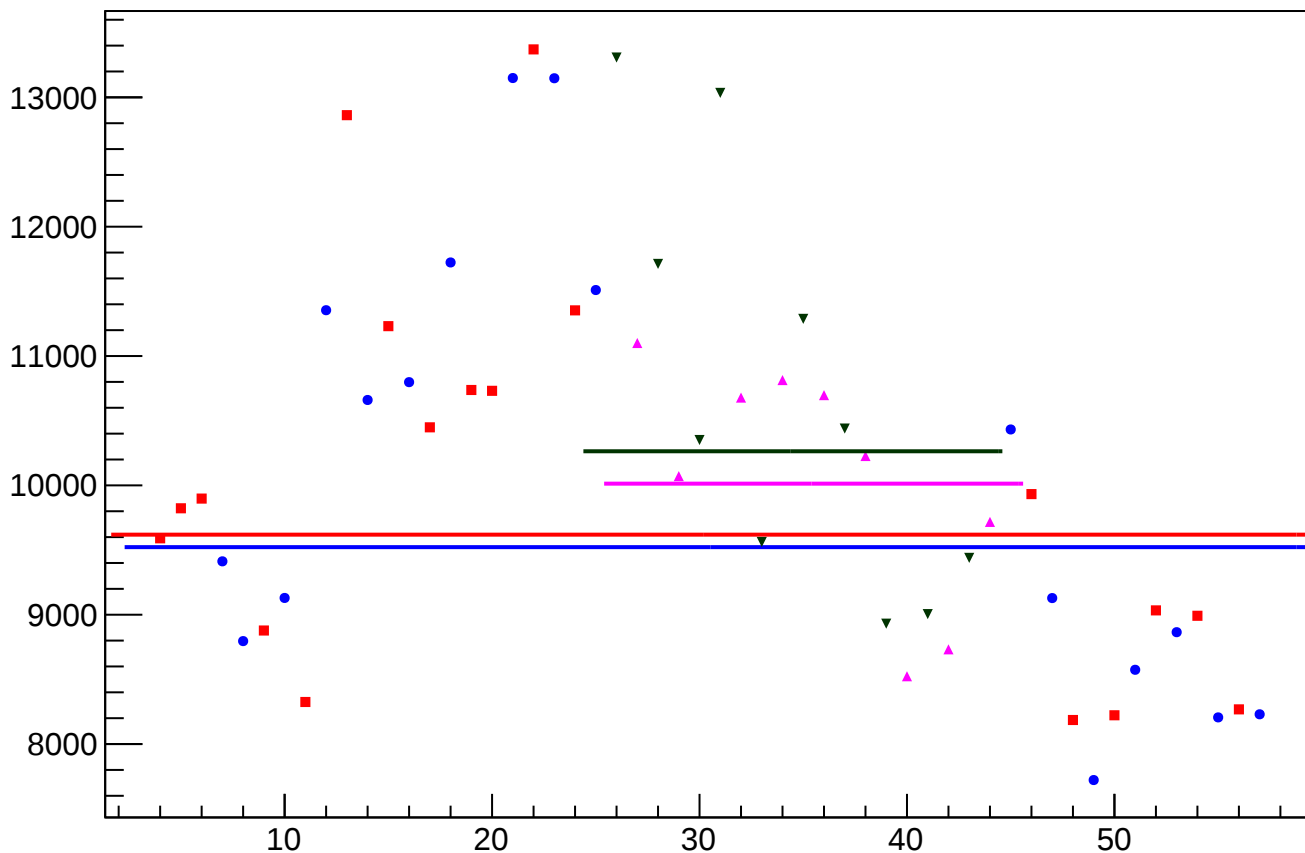
Right Out: -6.529 $\pm$ 3.159 χ^2/NDF : 25.4/17

Left In: 7.884 $\pm$ 4.244 χ^2/NDF : 9.7/8

1.242 $\pm$ 2.477 χ^2/NDF : 19.7/26

-1.390 $\pm$ 2.534 χ^2/NDF : 42.6/26

diff_bpm4eX_rms vs slug



Right In: 9522.468+/-2.105 χ^2/NDF : 518081.4/16

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

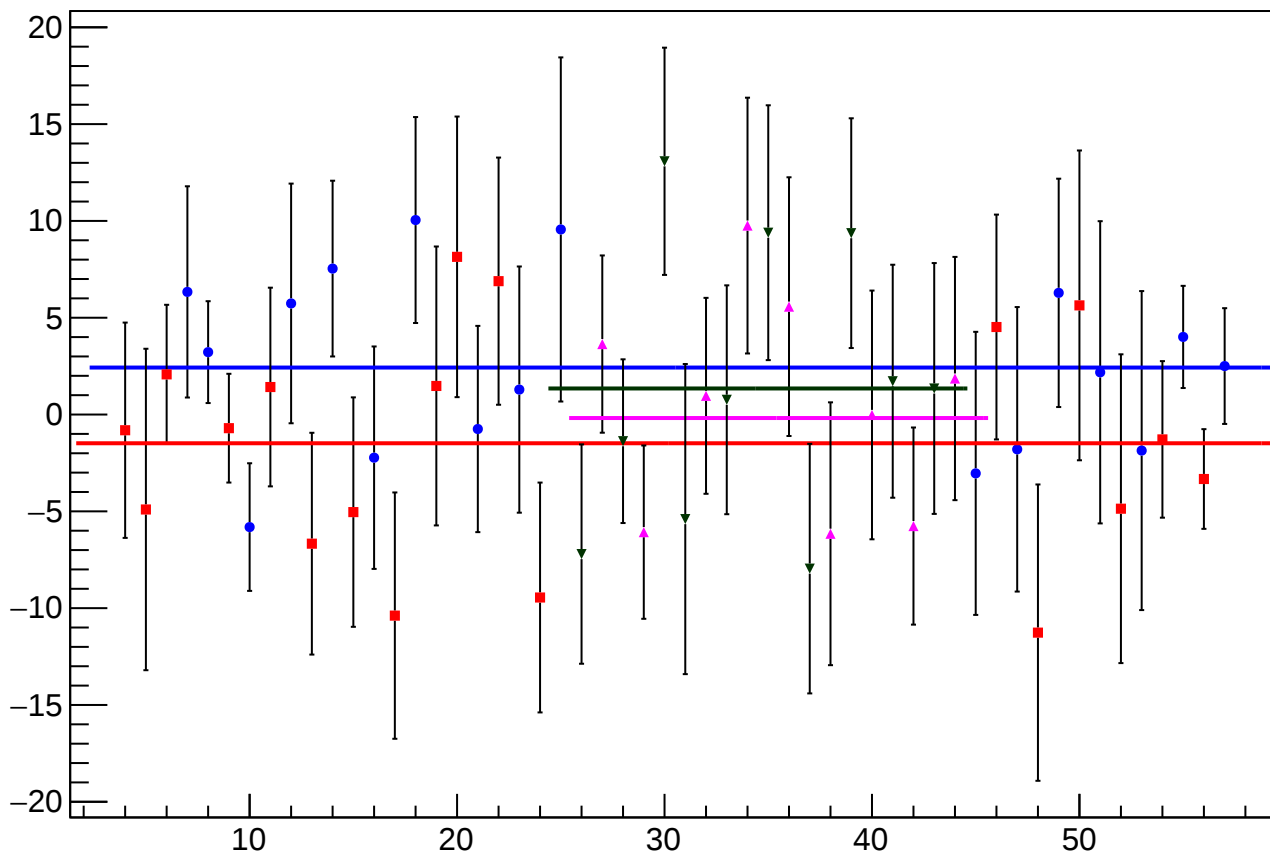
Right Out: 9619.002+/-2.234 χ^2/NDF : 414779.8/17

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

9750.174+/-1.752 χ^2/NDF : 734979.2/26

9759.612+/-1.792 χ^2/NDF : 512377.4/26

diff_bpm4eY_mean vs slug



Right In: 2.427 ± 1.094 $\chi^2/\text{NDF}: 14.1/16$

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

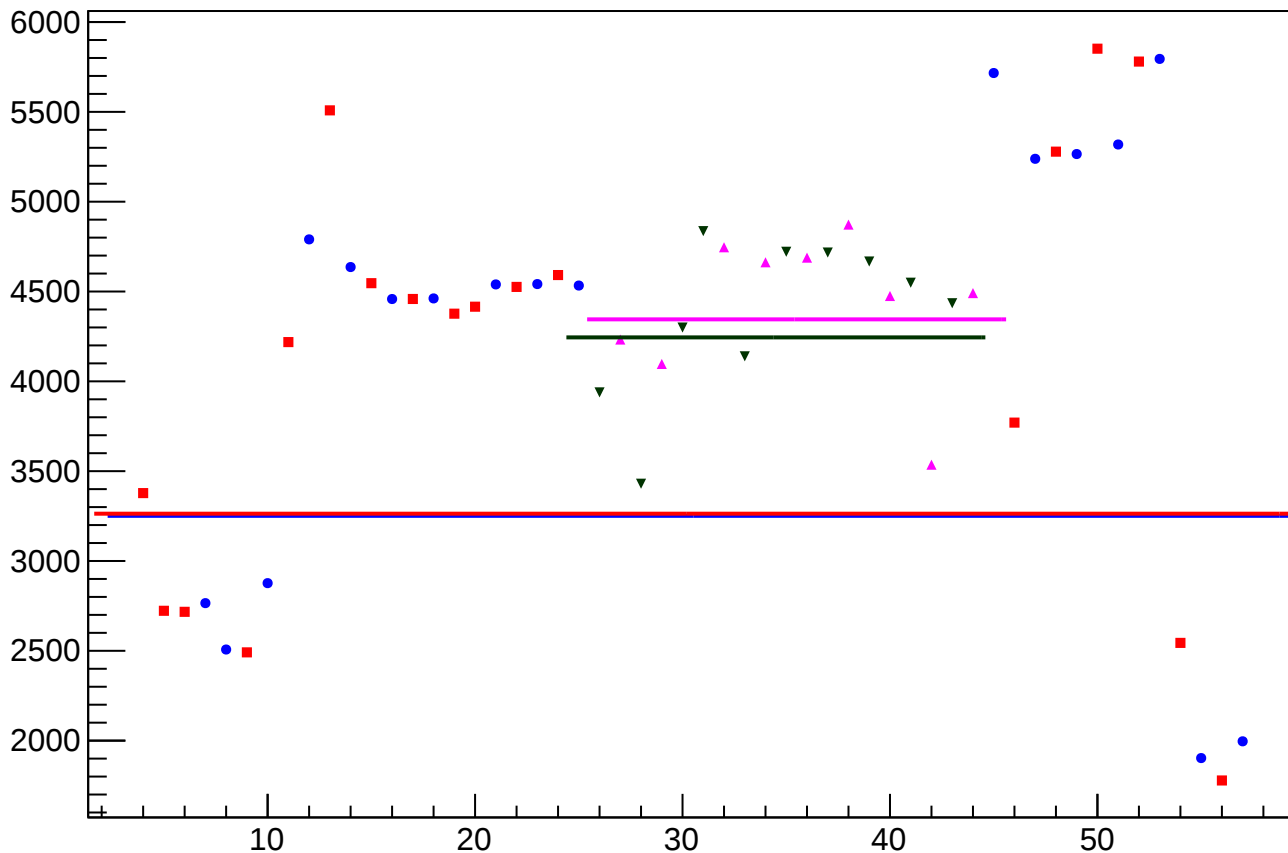
Right Out: -1.483 ± 1.152 $\chi^2/\text{NDF}: 14.3/17$

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

2.150 ± 0.944 $\chi^2/\text{NDF}: 27.2/26$

-1.120 ± 0.978 $\chi^2/\text{NDF}: 22.3/26$

diff_bpm4eY_rms vs slug



Right In: 3251.461+/-0.773 χ^2/NDF : 2757221.0/16

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

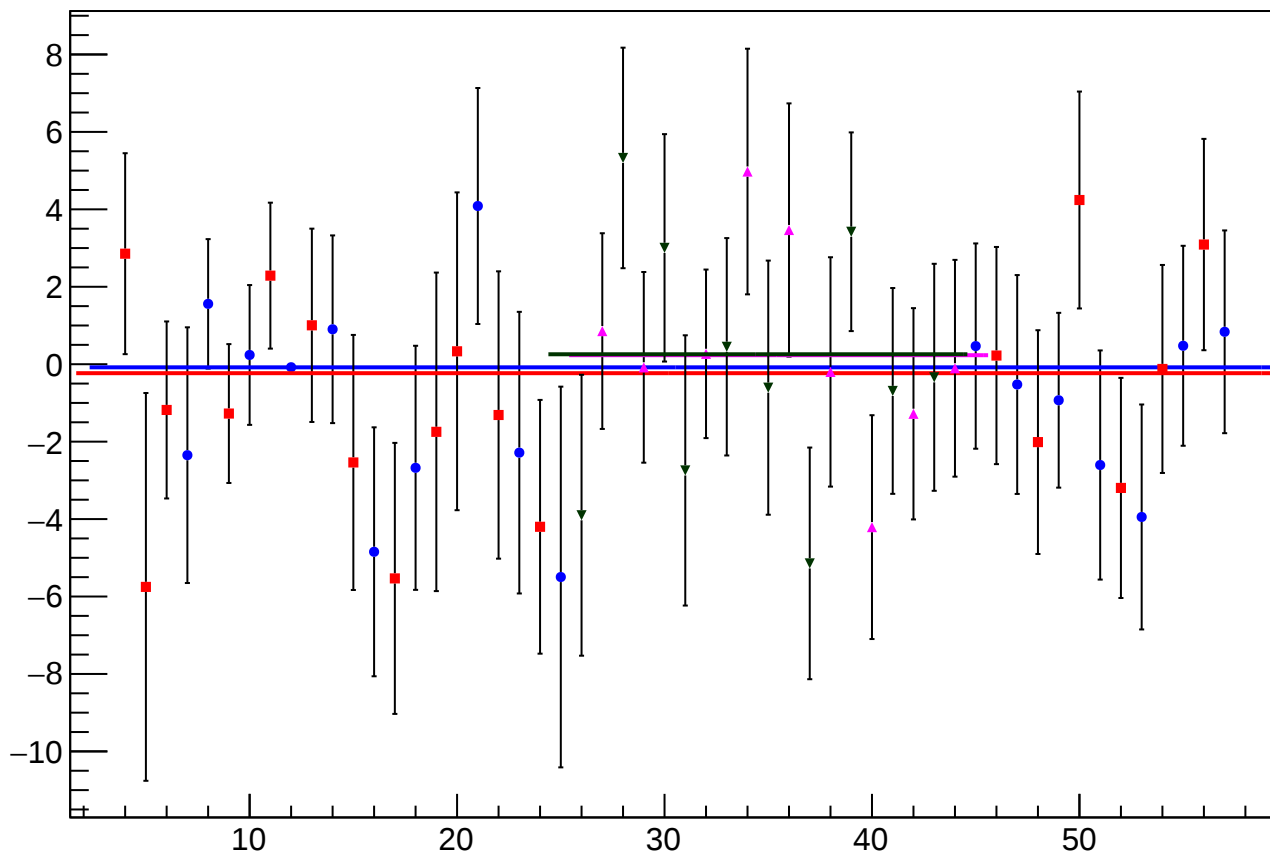
Right Out: 3263.260+/-0.814 χ^2/NDF : 2315677.2/17

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

3505.589+/-0.667 χ^2/NDF : 3309158.3/26

3565.128+/-0.691 χ^2/NDF : 2902553.0/26

diff_bpm4acX_mean vs slug



Right In: -0.081 ± 0.060 $\chi^2/\text{NDF}: 10.8/16$

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

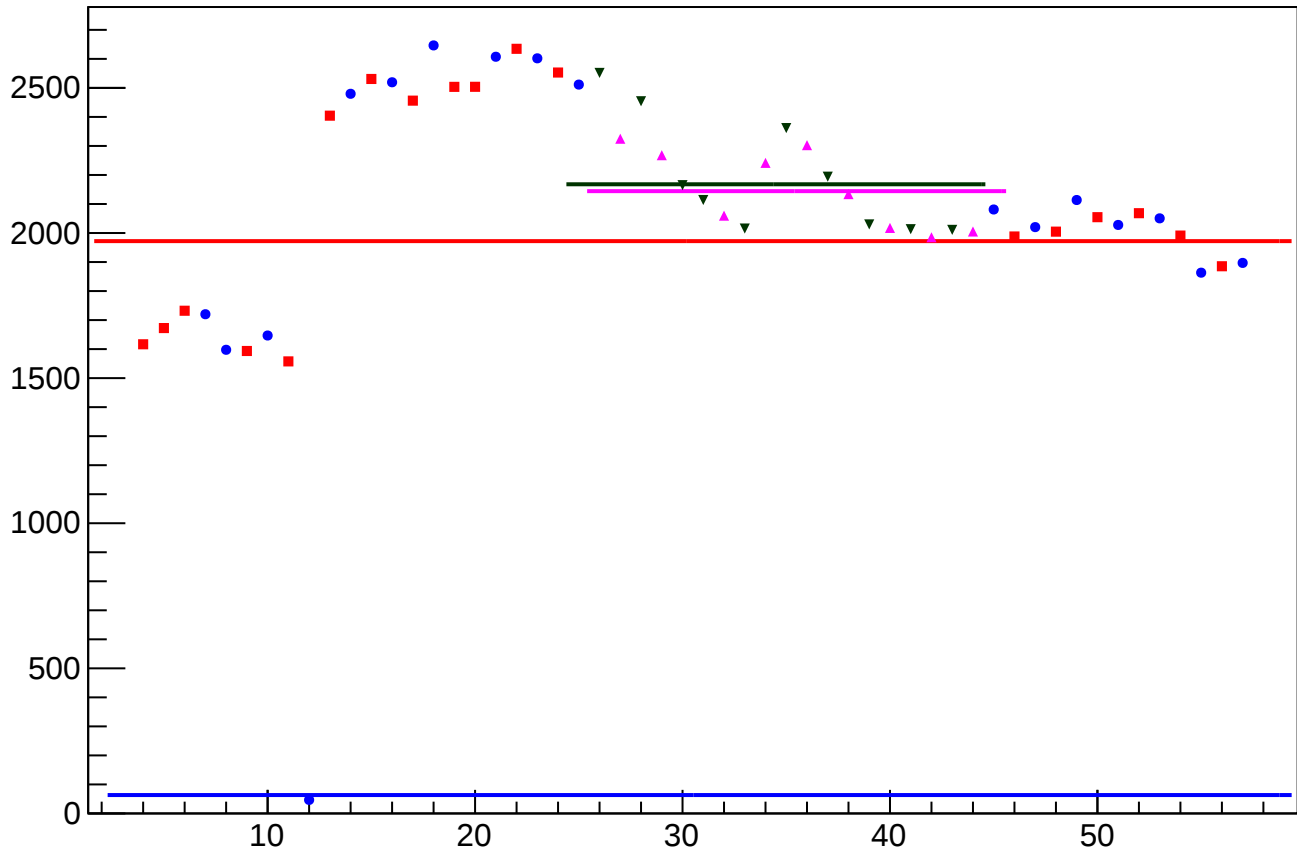
Right Out: -0.232 ± 0.651 $\chi^2/\text{NDF}: 15.2/17$

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

-0.079 ± 0.060 $\chi^2/\text{NDF}: 22.1/26$

-0.073 ± 0.528 $\chi^2/\text{NDF}: 21.4/26$

diff_bpm4acX_rms vs slug



Right In: 63.420 $\pm$ 0.042 χ^2/NDF : 18776669.6/16

Left Out: 2167.933 $\pm$ 0.663 χ^2/NDF : 74393.9/9

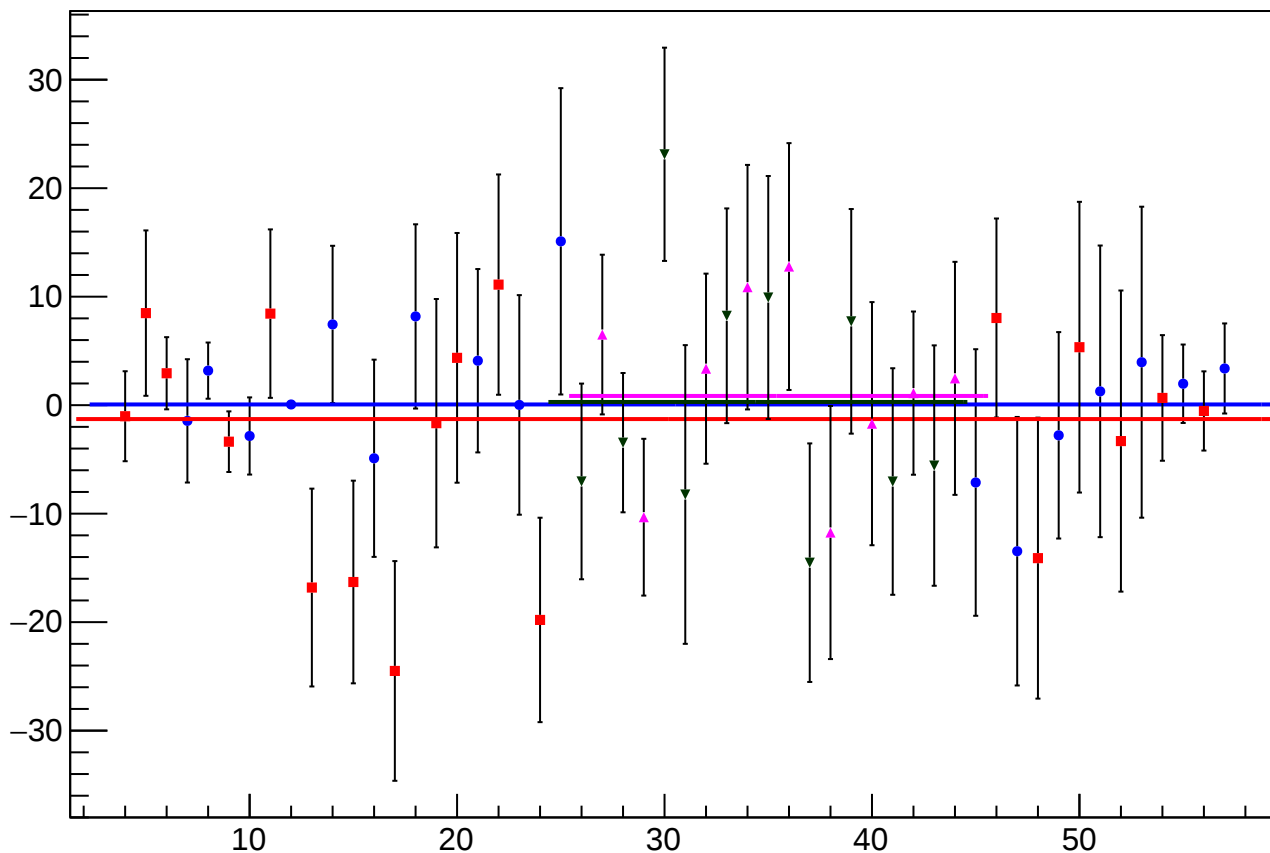
Right Out: 1972.057 $\pm$ 0.460 χ^2/NDF : 608329.3/17

Left In: 2144.257 $\pm$ 0.640 χ^2/NDF : 40455.1/8

72.029 $\pm$ 0.042 χ^2/NDF : 28895303.3/26

2030.746 $\pm$ 0.374 χ^2/NDF : 696517.7/26

diff_bpm4acY_mean vs slug



Right In: 0.066 ± 0.052 $\chi^2/\text{NDF}: 8.4/16$

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

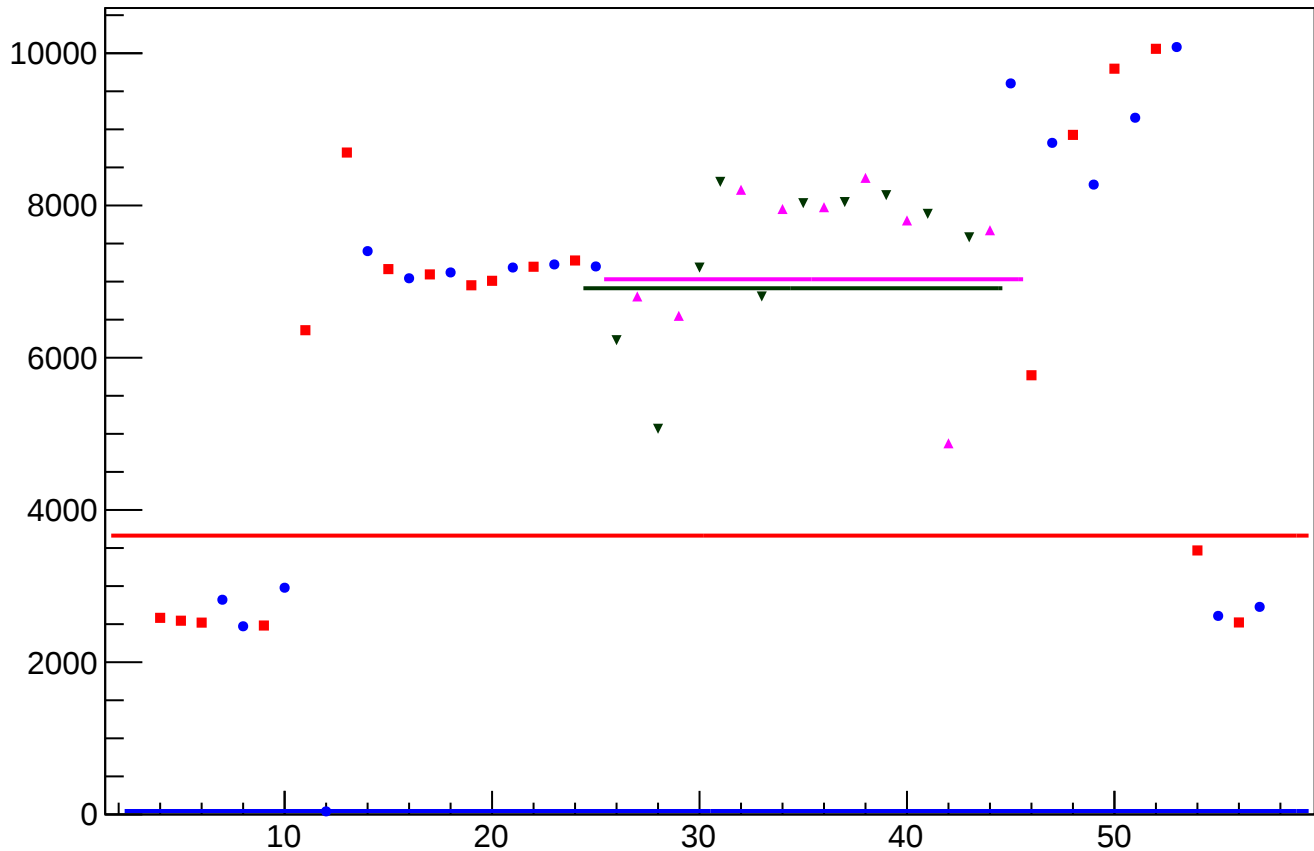
Right Out: -1.281 ± 1.396 $\chi^2/\text{NDF}: 24.2/17$

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

0.066 ± 0.052 $\chi^2/\text{NDF}: 19.7/26$

-0.911 ± 1.269 $\chi^2/\text{NDF}: 30.8/26$

diff_bpm4acY_rms vs slug



Right In: 45.430+/-0.037 χ^2/NDF : 18643812.0/16

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

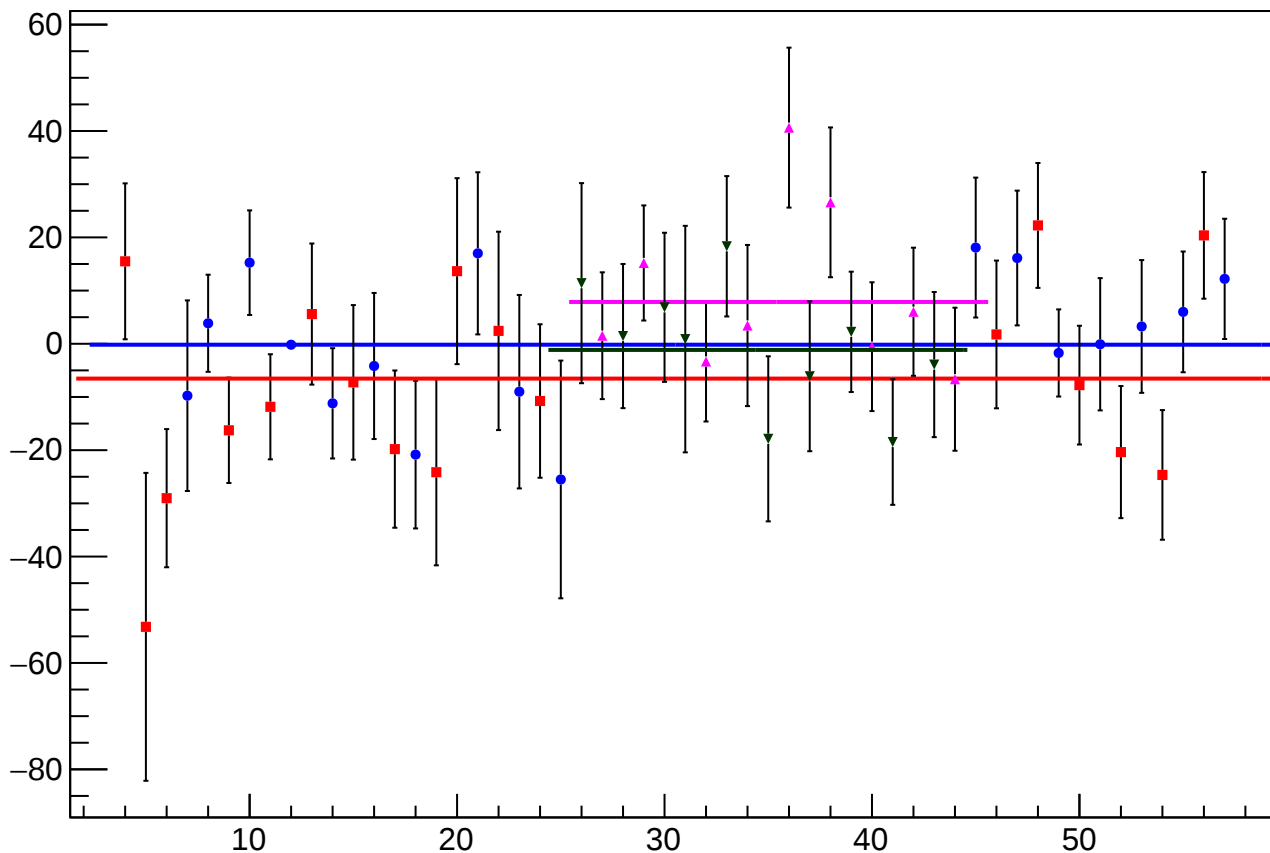
Right Out: 3663.177+/-0.987 χ^2/NDF : 4481862.2/17

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

47.391+/-0.037 χ^2/NDF : 28864920.7/26

4248.152+/-0.897 χ^2/NDF : 6784922.6/26

diff_bpm4ecX_mean vs slug



Right In: -0.174 ± 0.106 χ^2/NDF : 14.4/16

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

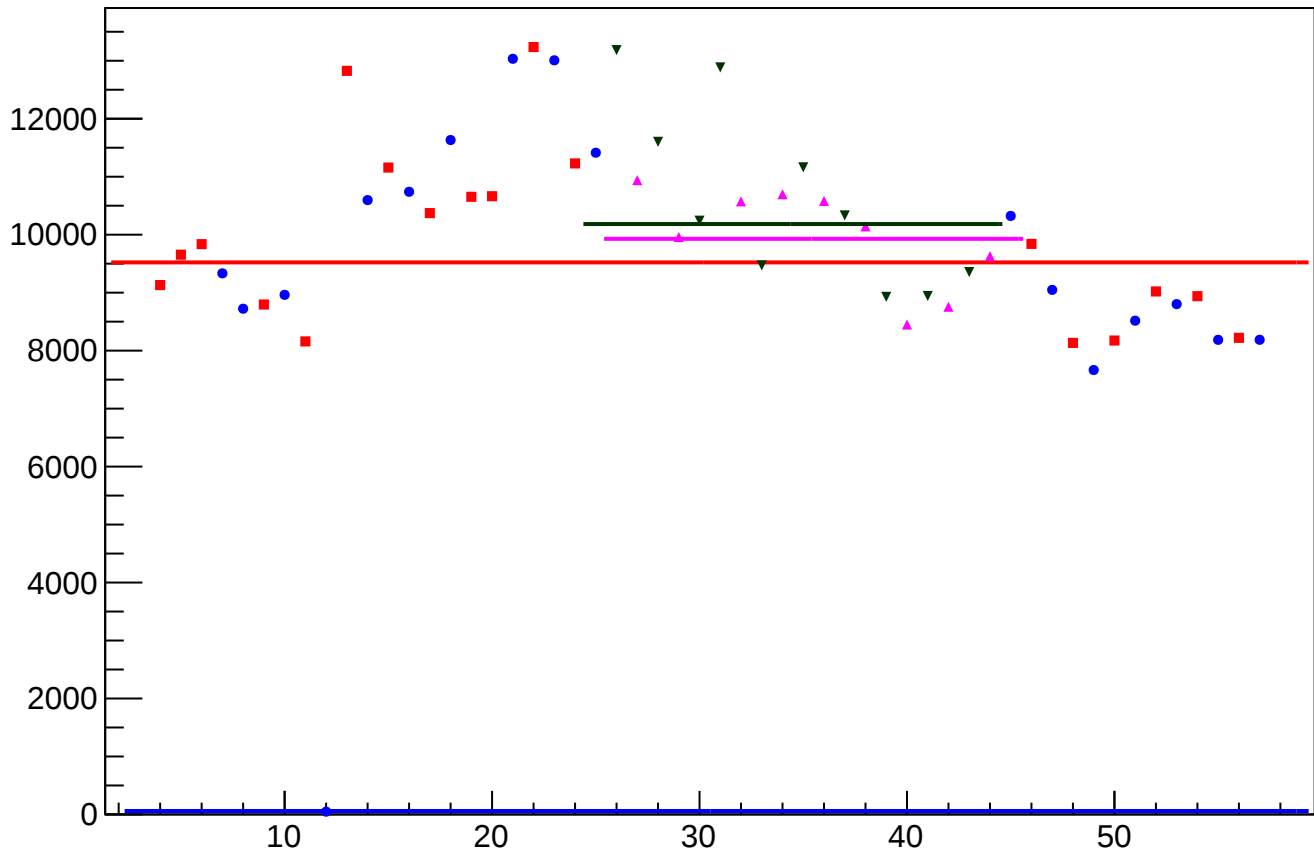
Right Out: -6.544 ± 3.128 χ^2/NDF : 28.4/17

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

-0.174 ± 0.106 χ^2/NDF : 21.0/26

-1.414 ± 2.510 χ^2/NDF : 45.9/26

diff_bpm4ecX_rms vs slug



Right In: 59.648+/-0.075 χ^2 /NDF: 19565258.8/16

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

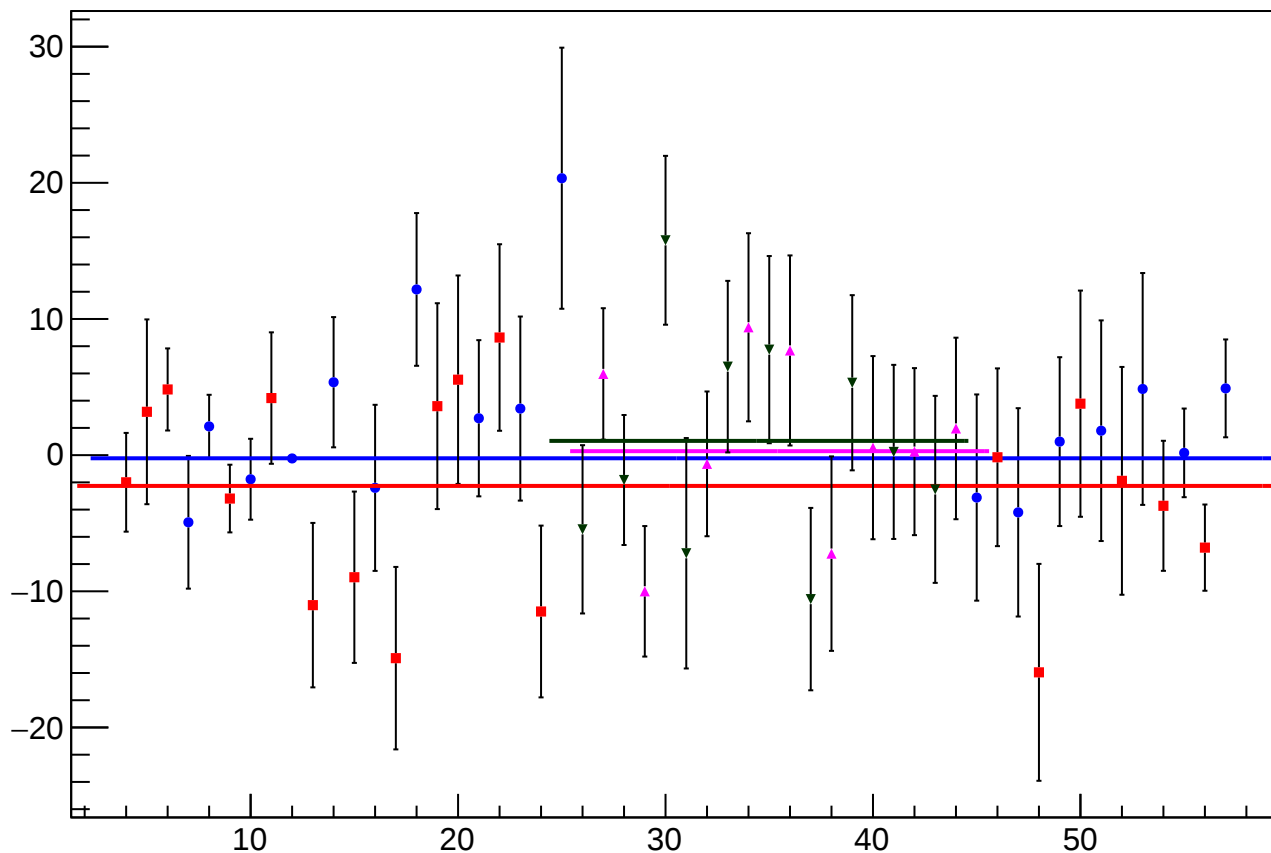
Right Out: 9521.874+/-2.212 χ^2 /NDF: 421707.8/17

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

65.485+/-0.075 χ^2 /NDF: 30159793.8/26

9666.661+/-1.775 χ^2 /NDF: 513862.2/26

diff_bpm4ecY_mean vs slug



Right In: -0.231 ± 0.090 $\chi^2/\text{NDF}: 16.7/16$

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

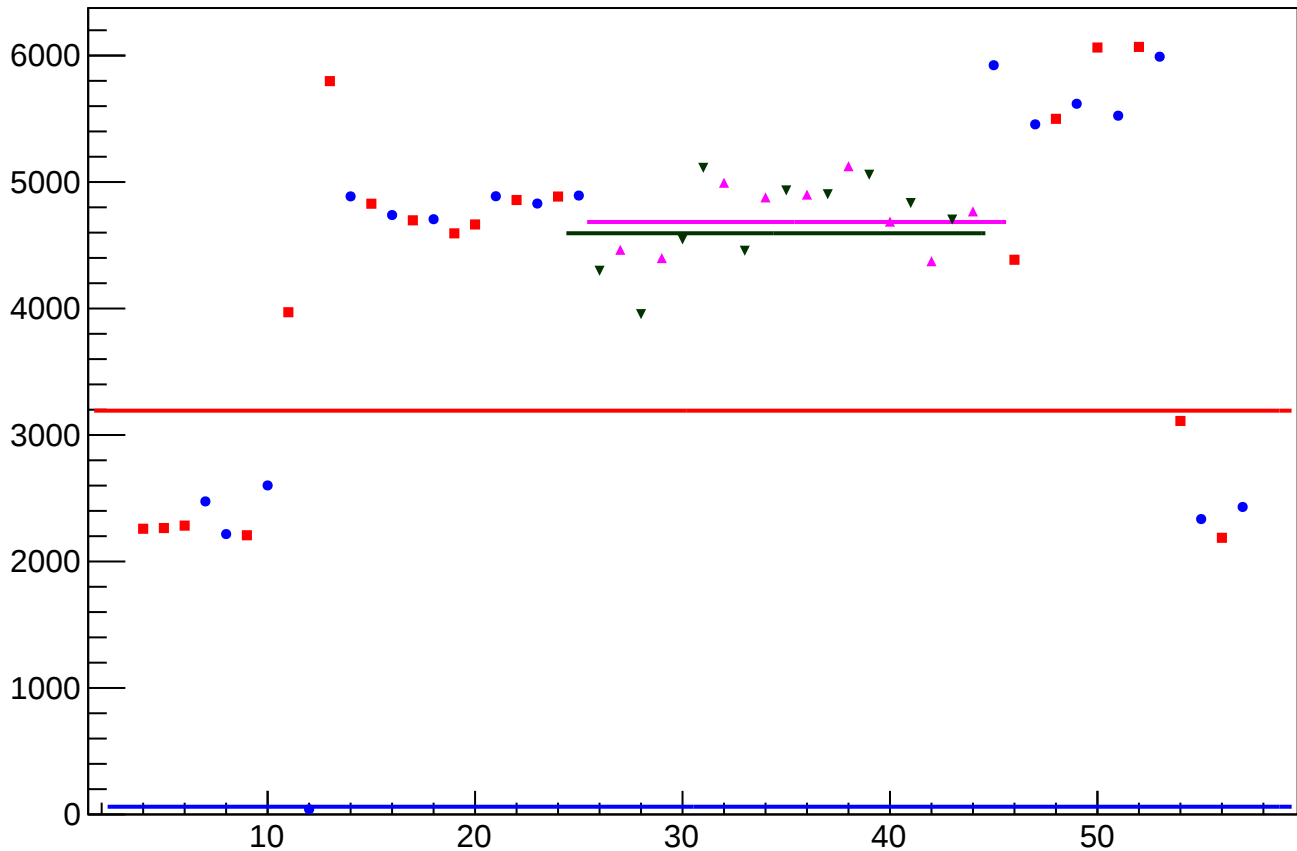
Right Out: -2.260 ± 1.132 $\chi^2/\text{NDF}: 26.9/17$

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

-0.228 ± 0.090 $\chi^2/\text{NDF}: 30.6/26$

-1.633 ± 0.983 $\chi^2/\text{NDF}: 38.2/26$

diff_bpm4ecY_rms vs slug



Right In: 61.109 ± 0.064 χ^2/NDF : 18807906.6/16

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

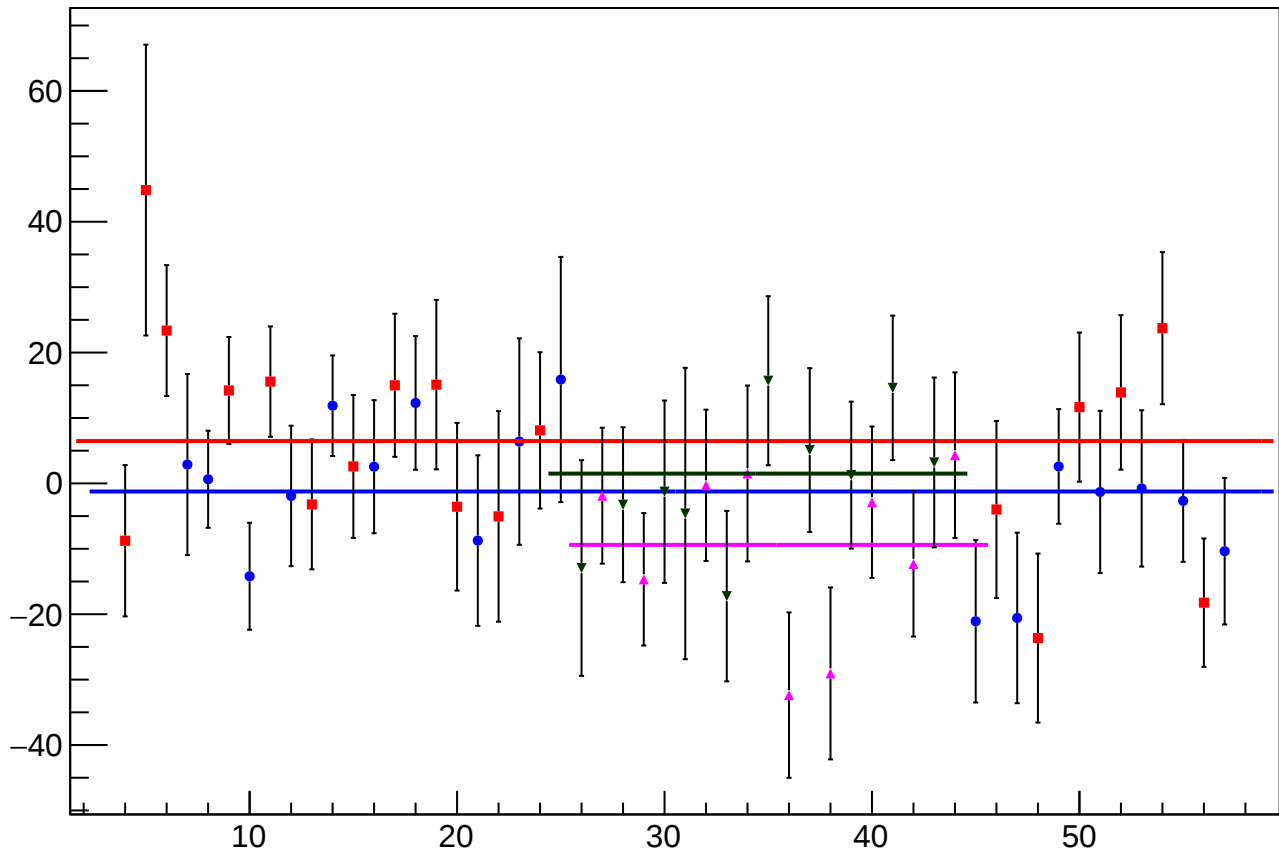
Right Out: 3192.432 ± 0.801 χ^2/NDF : 2643395.8/17

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

70.195 ± 0.063 χ^2/NDF : 29076689.3/26

3558.966 ± 0.695 χ^2/NDF : 3531137.9/26

diff_bpm1X_mean vs slug



Right In: -1.240 ± 2.546 χ^2/NDF : 14.5/16

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

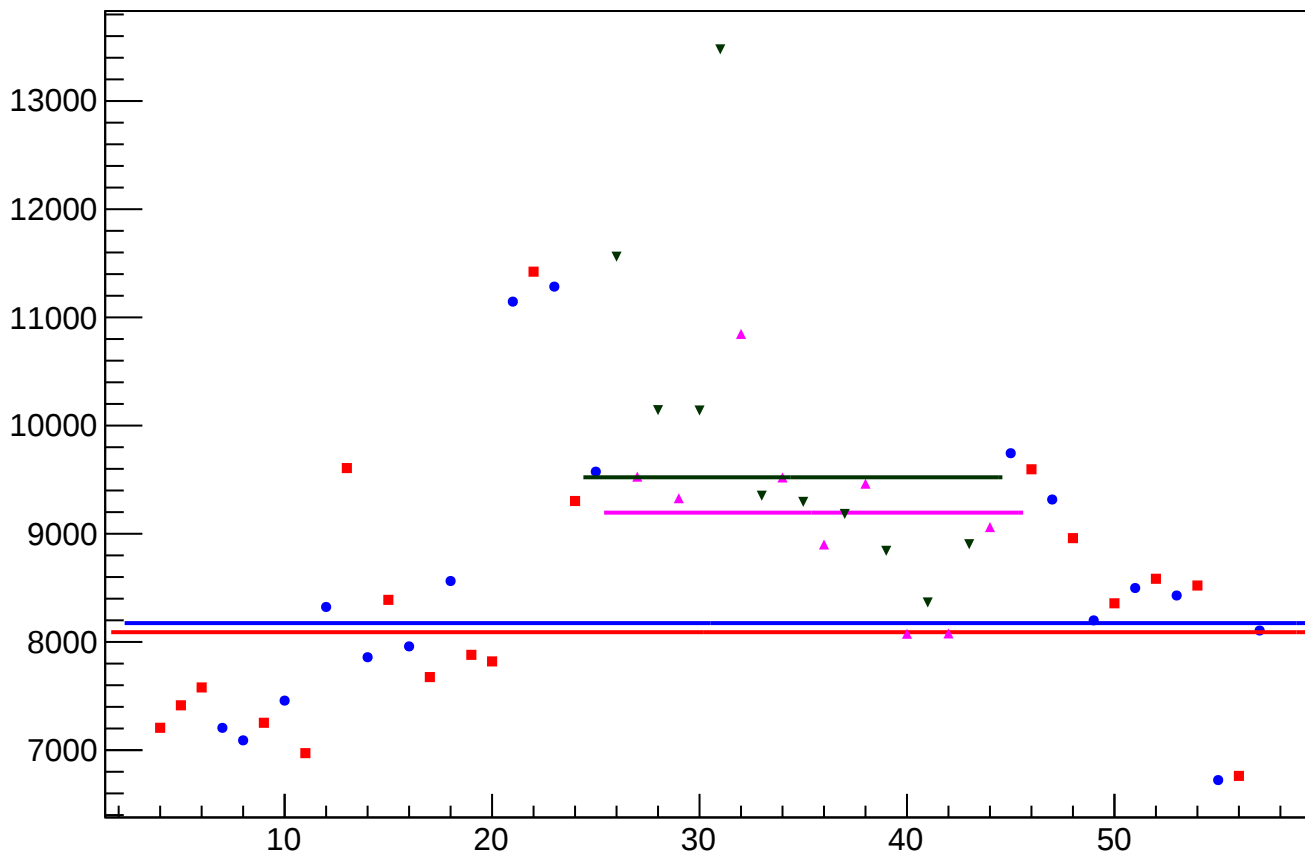
Right Out: 6.474 ± 2.650 χ^2/NDF : 28.1/17

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

-0.490 ± 2.169 χ^2/NDF : 20.6/26

1.452 ± 2.191 χ^2/NDF : 48.6/26

diff_bpm1X_rms vs slug



Right In: 8174.224+/-1.800 χ^2/NDF : 366297.7/16

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

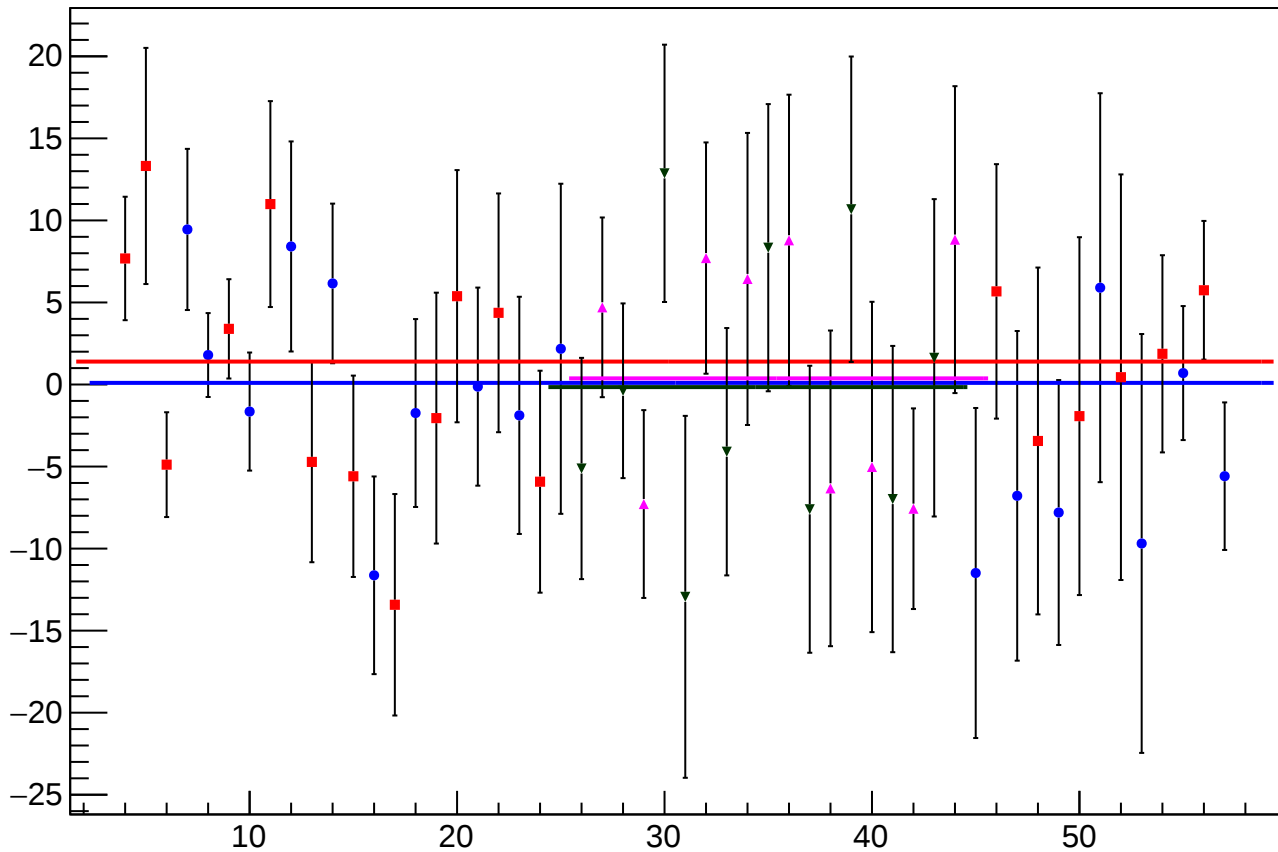
8543.769+/-1.534 χ^2/NDF : 659280.4/26

Right Out: 8090.244+/-1.874 χ^2/NDF : 311440.0/17

8439.854+/-1.549 χ^2/NDF : 506896.9/26

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

diff_bpm1Y_mean vs slug



Right In: 0.099 ± 1.280 χ^2/NDF : 16.8/16

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

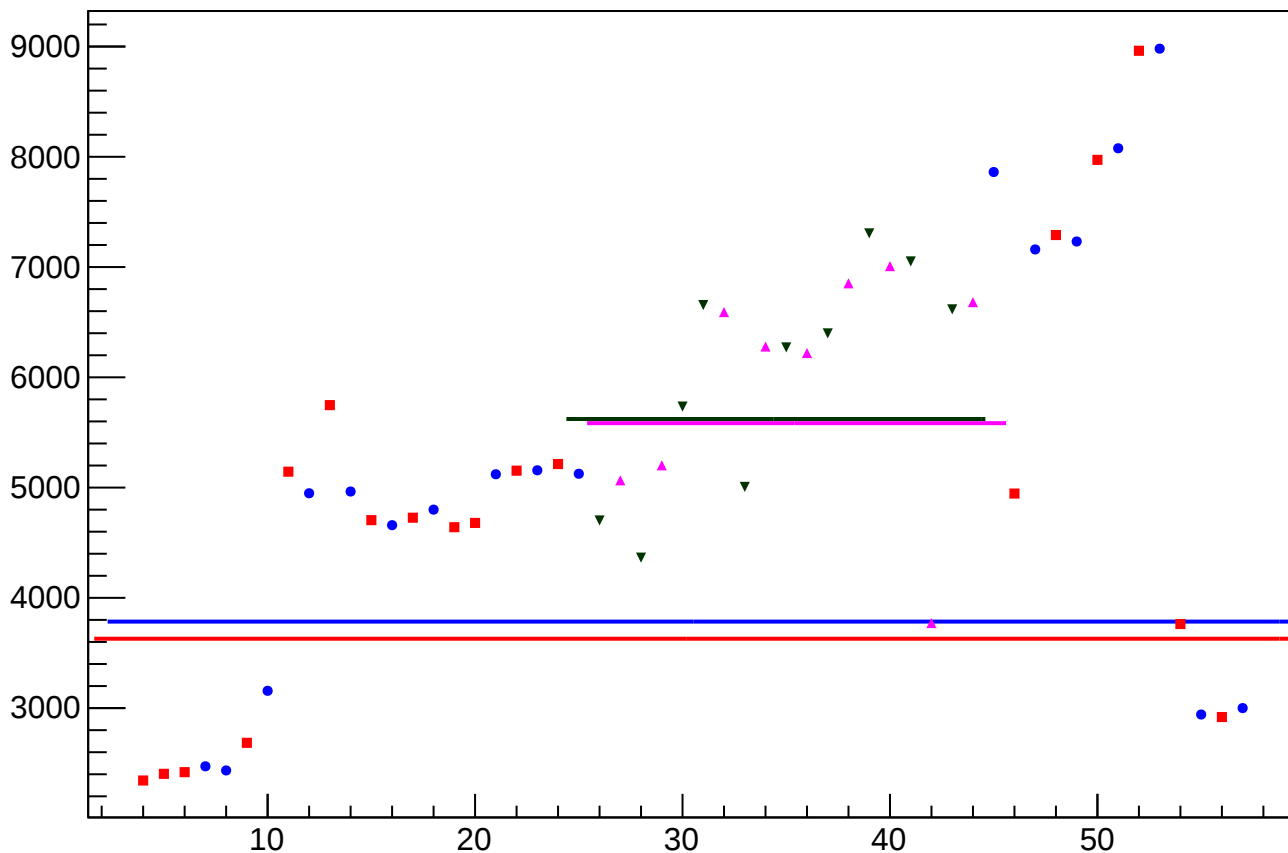
Right Out: 1.397 ± 1.294 χ^2/NDF : 22.8/17

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

0.046 ± 1.140 χ^2/NDF : 25.3/26

1.172 ± 1.143 χ^2/NDF : 31.1/26

diff_bpm1Y_rms vs slug



Right In: 3784.595 $\pm$ 0.905 χ^2 /NDF: 2914569.2/16

Left Out: 5621.962 $\pm$ 1.772 χ^2 /NDF: 340384.5/9

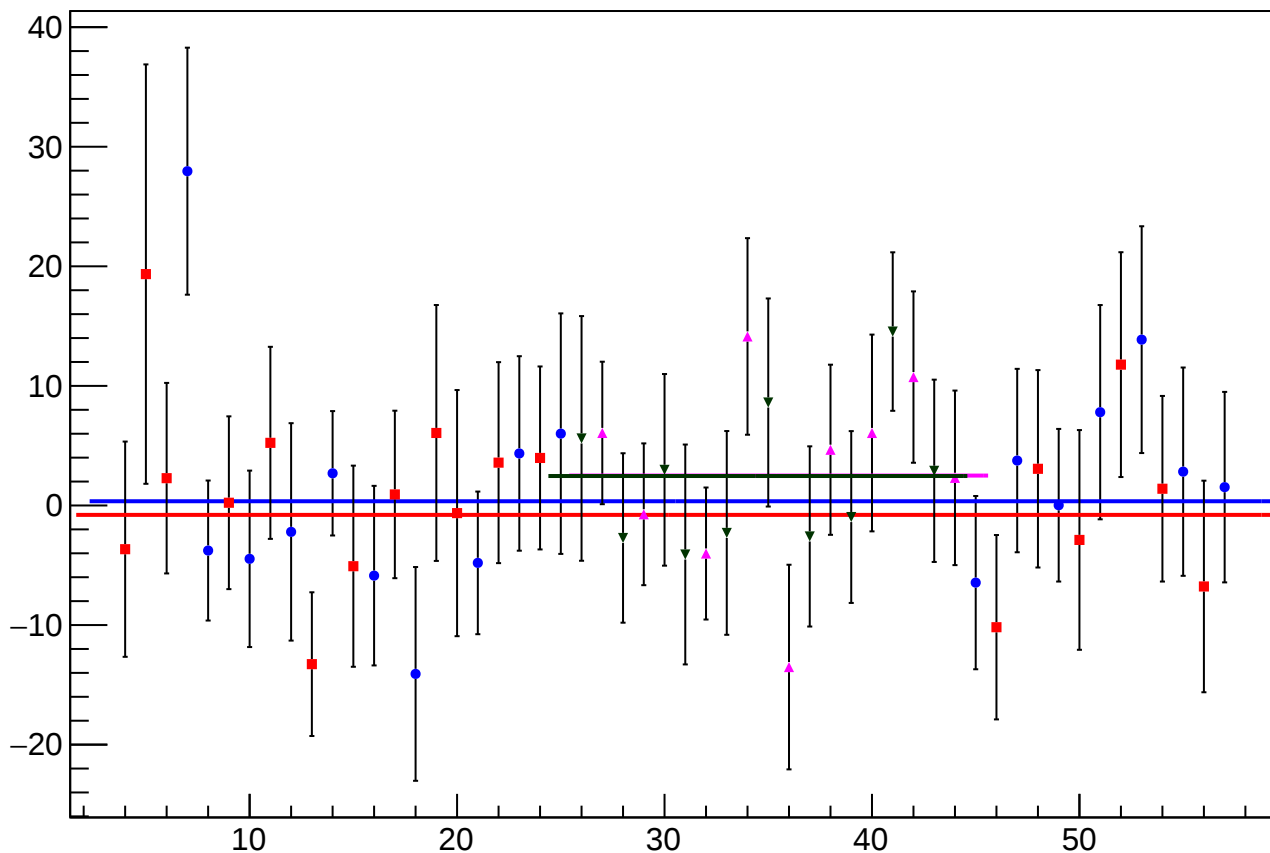
Right Out: 3629.401 $\pm$ 0.915 χ^2 /NDF: 2559294.5/17

Left In: 5584.245 $\pm$ 1.724 χ^2 /NDF: 368430.0/8

4164.570 $\pm$ 0.806 χ^2 /NDF: 4107665.9/26

4059.100 $\pm$ 0.808 χ^2 /NDF: 3930682.0/26

diff_bpm11X_mean vs slug



Right In: 0.353 ± 1.818 $\chi^2/\text{NDF}: 16.9/16$

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

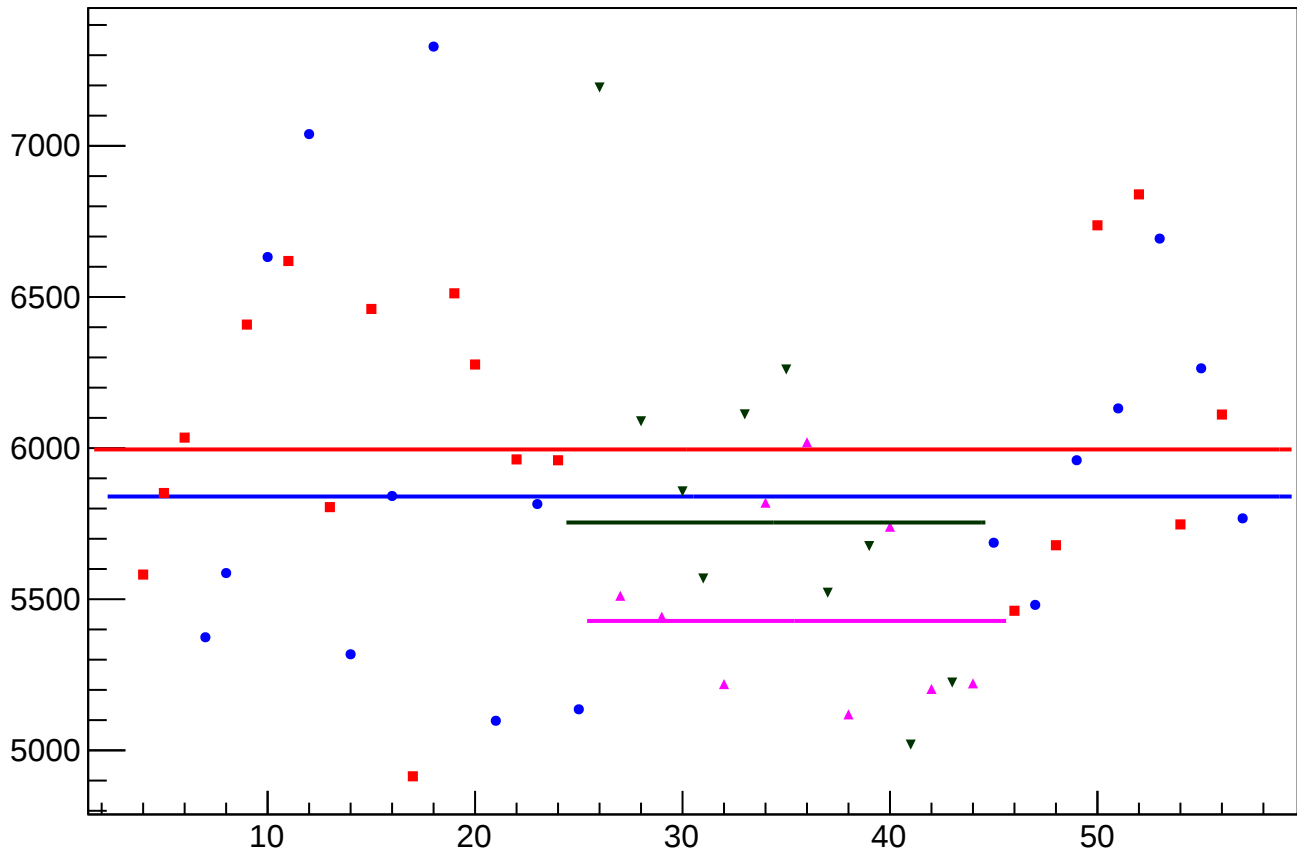
Right Out: -0.787 ± 1.955 $\chi^2/\text{NDF}: 11.9/17$

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

1.086 ± 1.469 $\chi^2/\text{NDF}: 23.3/26$

0.599 ± 1.487 $\chi^2/\text{NDF}: 22.3/26$

diff_bpm11X_rms vs slug



Right In: 5839.831+/-1.286 χ^2/NDF : 211269.5/16

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

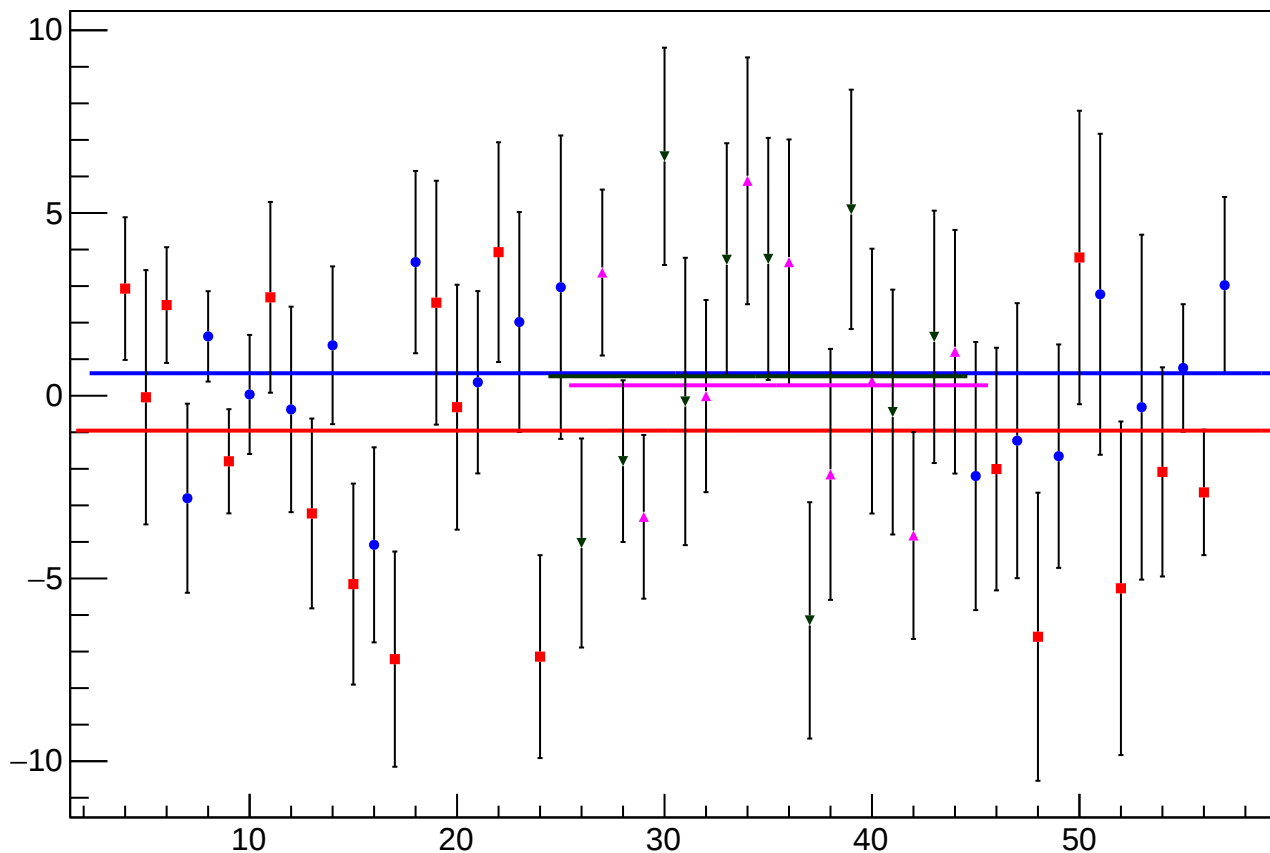
5809.991+/-1.039 χ^2/NDF : 304695.9/26

Right Out: 5995.591+/-1.382 χ^2/NDF : 129123.6/17

5756.394+/-1.051 χ^2/NDF : 227732.9/26

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

diff_bpm11Y_mean vs slug



Right In: 0.615 ± 0.577 χ^2/NDF : 10.6/16

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

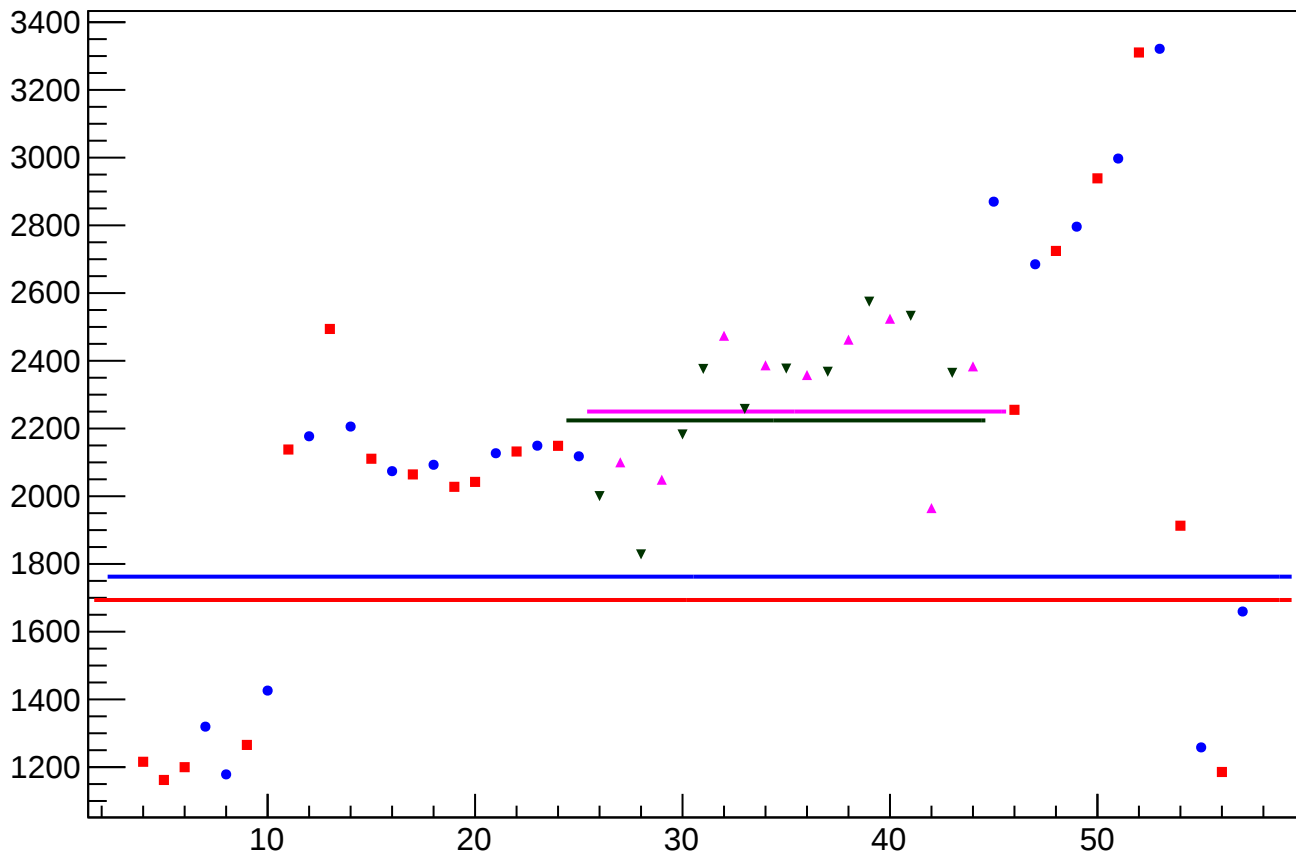
Right Out: -0.954 ± 0.585 χ^2/NDF : 32.9/17

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

0.594 ± 0.496 χ^2/NDF : 26.7/26

-0.618 ± 0.499 χ^2/NDF : 45.0/26

diff_bpm11Y_rms vs slug



Right In: 1762.526+/-0.408 χ^2/NDF : 1949088.5/16

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

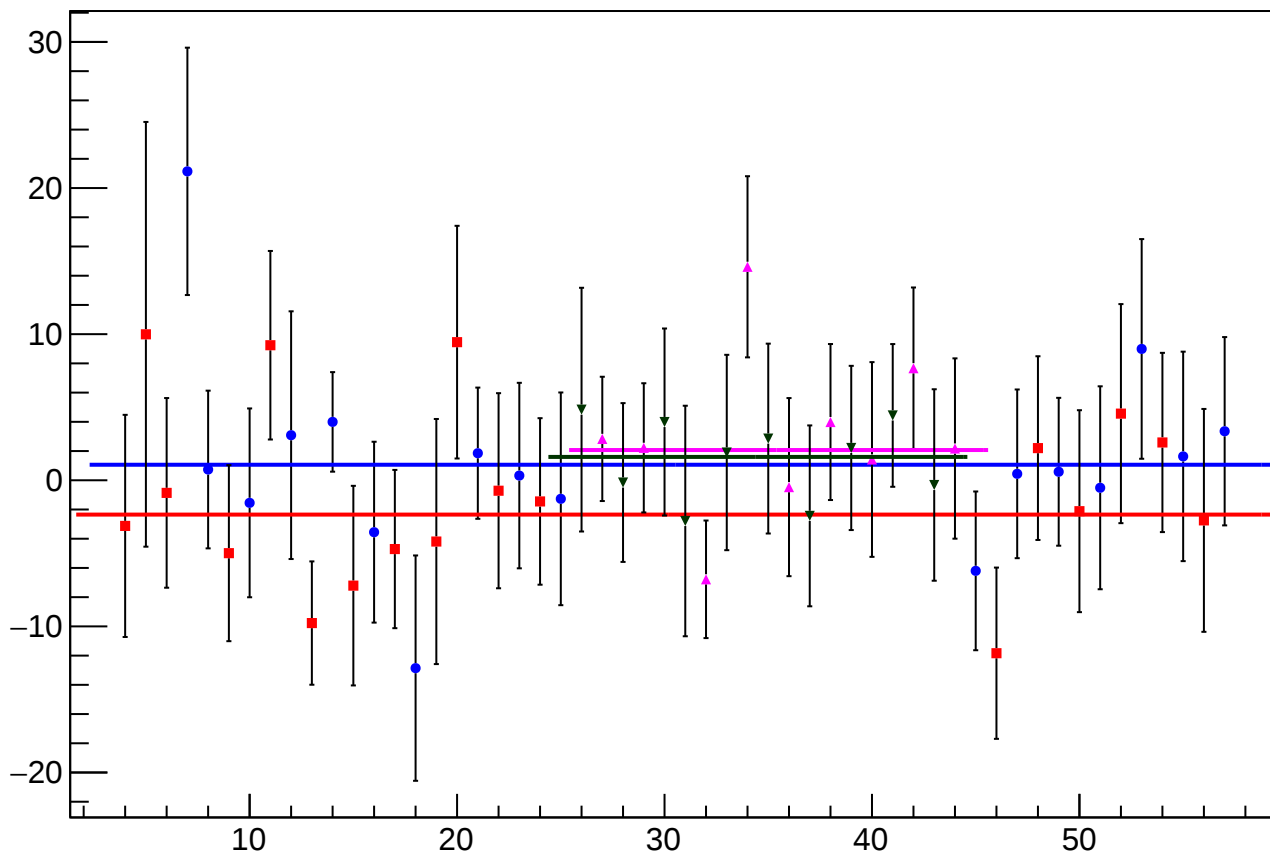
1882.621+/-0.351 χ^2/NDF : 2412941.2/26

Right Out: 1693.605+/-0.413 χ^2/NDF : 1829618.6/17

1844.748+/-0.353 χ^2/NDF : 2409060.8/26

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

diff_bpm12X_mean vs slug



Right In: 1.063 ± 1.424 $\chi^2/\text{NDF}: 13.7/16$

Left Out: 1.599 ± 1.970 $\chi^2/\text{NDF}: 1.6/9$

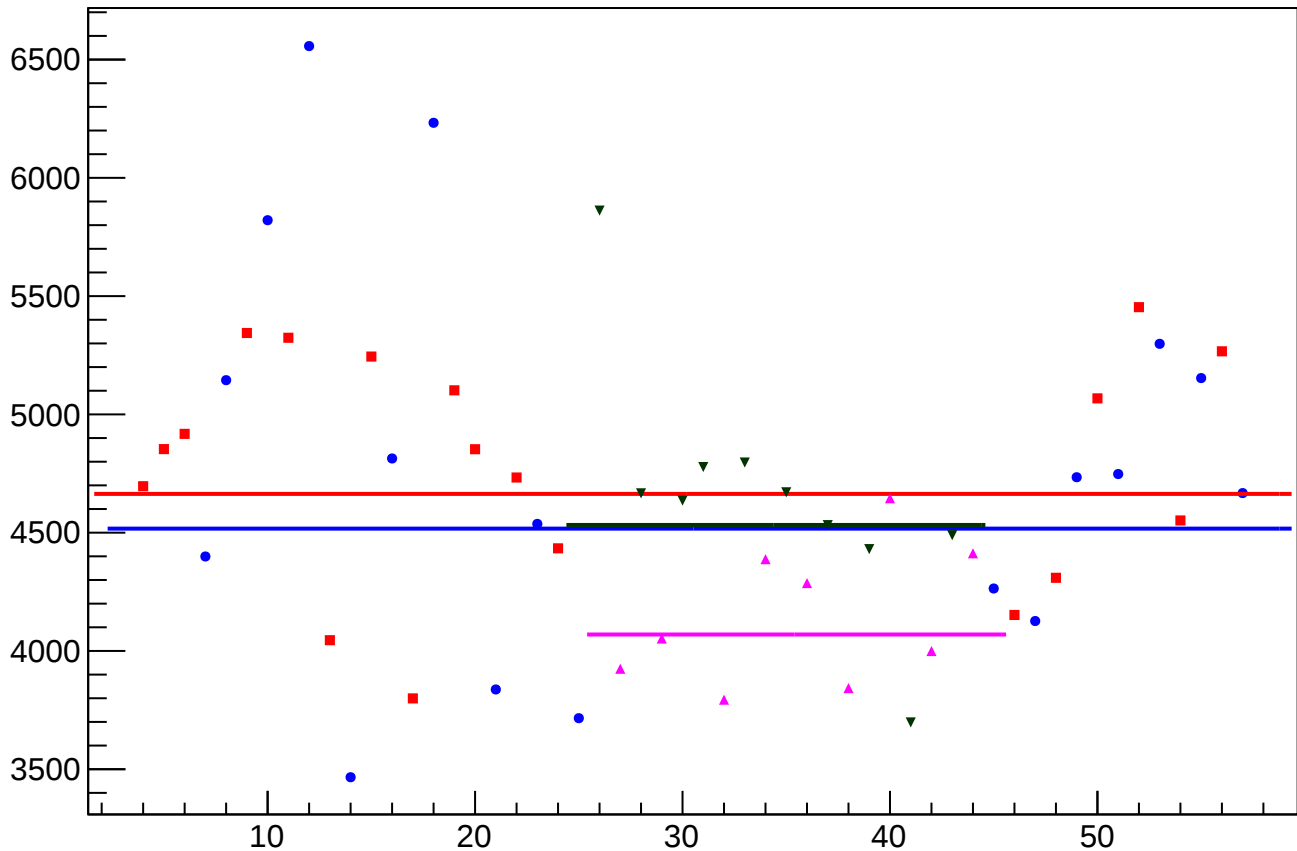
Right Out: -2.349 ± 1.526 $\chi^2/\text{NDF}: 15.0/17$

Left In: 2.070 ± 1.721 $\chi^2/\text{NDF}: 10.3/8$

1.247 ± 1.154 $\chi^2/\text{NDF}: 15.3/26$

-0.403 ± 1.142 $\chi^2/\text{NDF}: 29.0/26$

diff_bpm12X_rms vs slug



Right In: 4517.123+/-1.007 χ^2/NDF : 646581.9/16

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

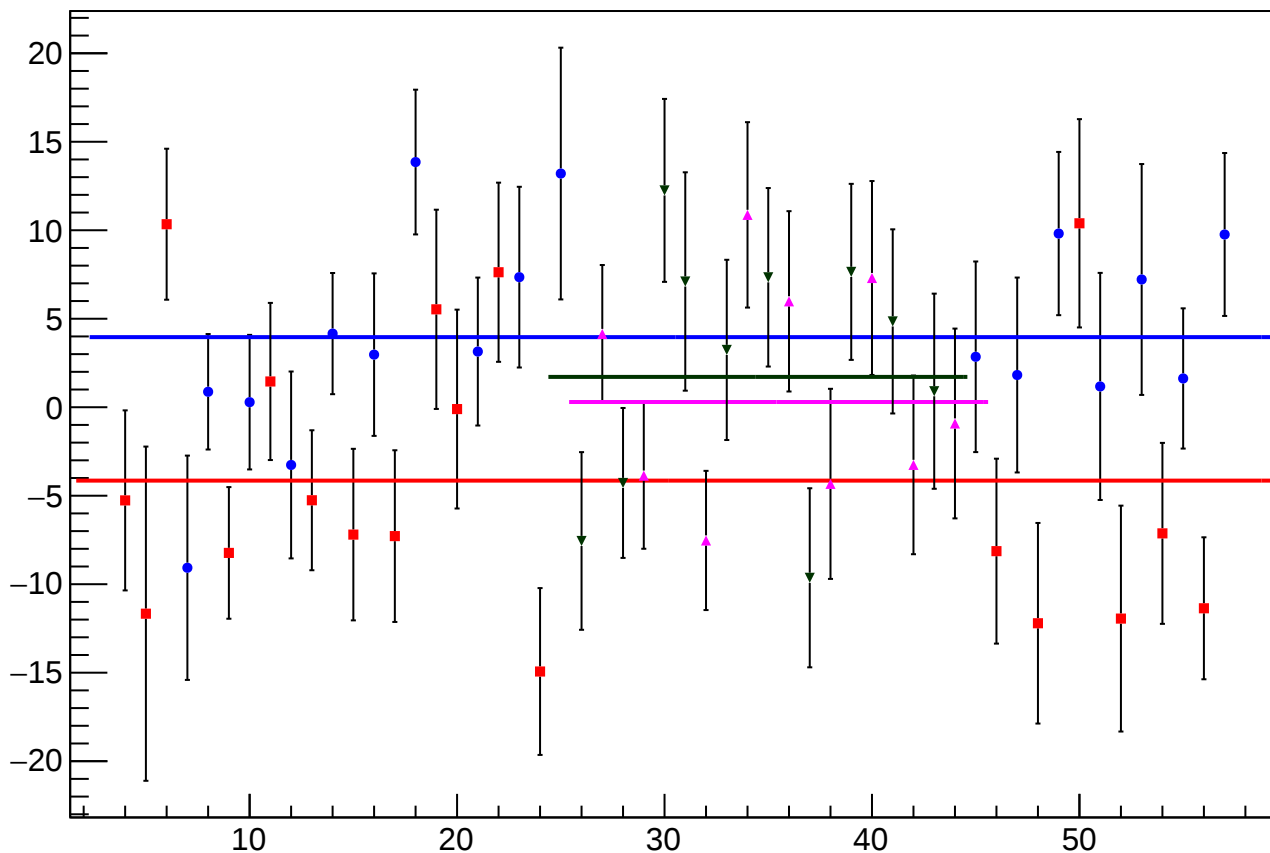
4522.433+/-0.816 χ^2/NDF : 764293.8/26

Right Out: 4663.935+/-1.079 χ^2/NDF : 232086.8/17

4402.136+/-0.807 χ^2/NDF : 410259.7/26

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

diff_bpm12Y_mean vs slug



Right In: 3.961 ± 1.115 χ^2/NDF : 20.2/16

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

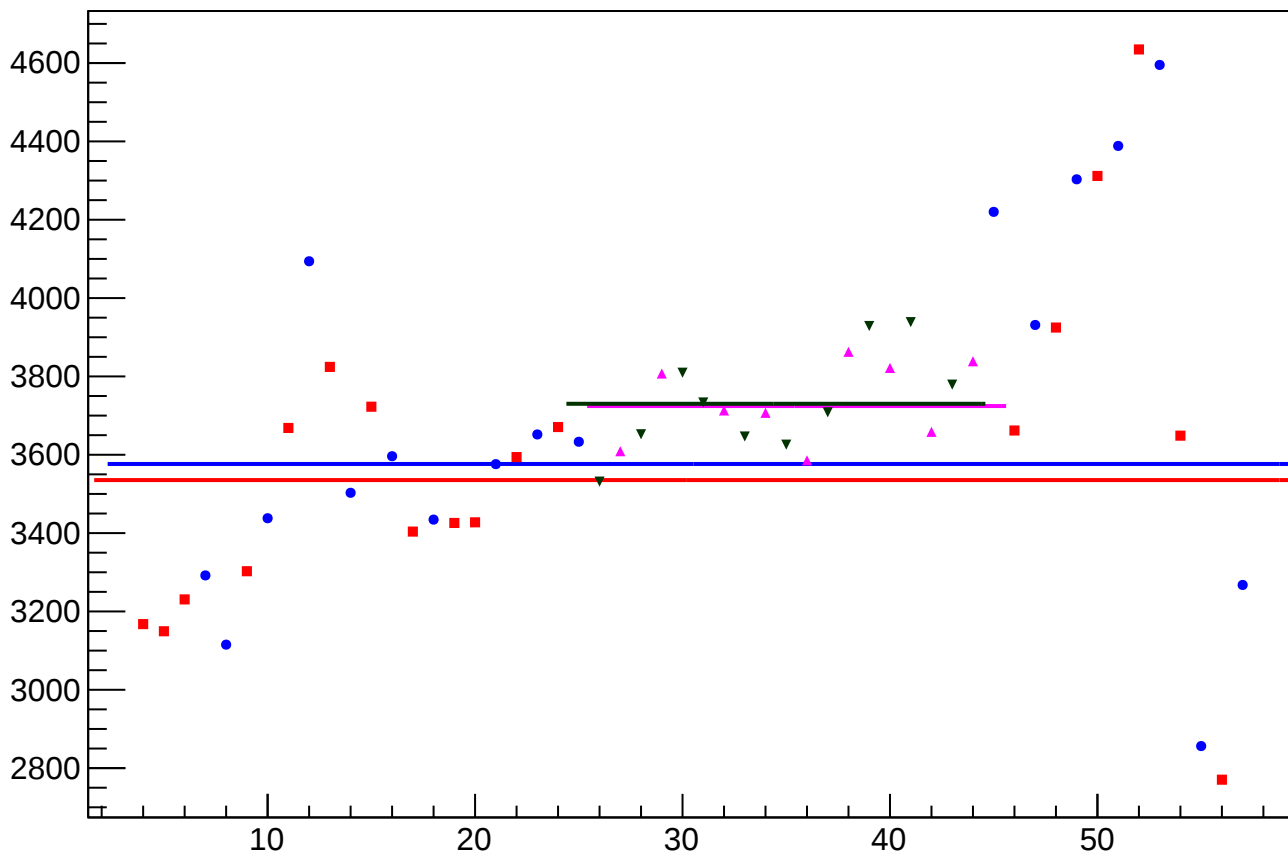
Right Out: -4.147 ± 1.158 χ^2/NDF : 43.8/17

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

3.232 ± 0.916 χ^2/NDF : 40.0/26

-2.581 ± 0.932 χ^2/NDF : 63.2/26

diff_bpm12Y_rms vs slug



Right In: 3576.488 $\pm$ 0.788 χ^2 /NDF: 312245.3/16

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

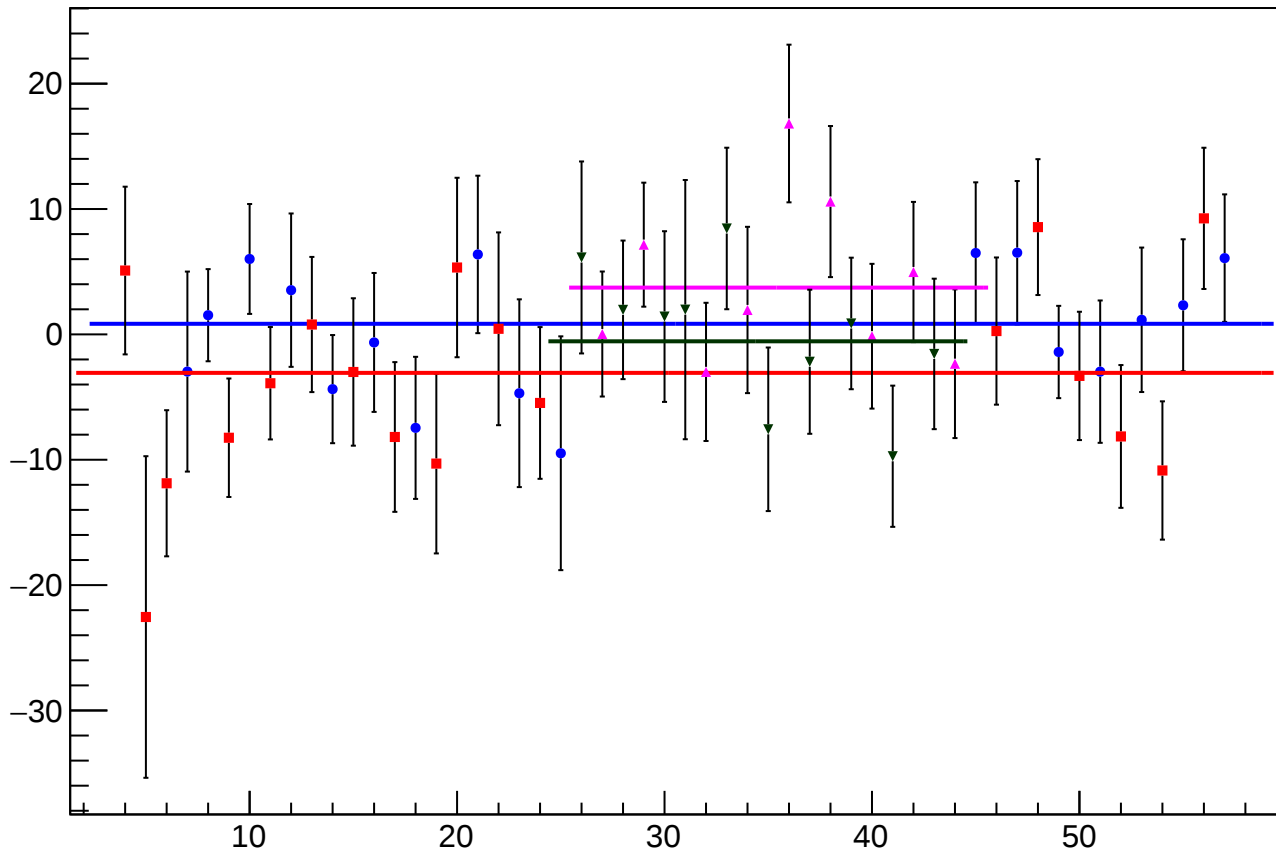
3626.326 $\pm$ 0.648 χ^2 /NDF: 336841.6/26

Right Out: 3535.358 $\pm$ 0.819 χ^2 /NDF: 230648.9/17

3601.996 $\pm$ 0.659 χ^2 /NDF: 256723.9/26

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

diff_bpm16X_mean vs slug



Right In: 0.844 ± 1.278 $\chi^2/\text{NDF}: 12.0/16$

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

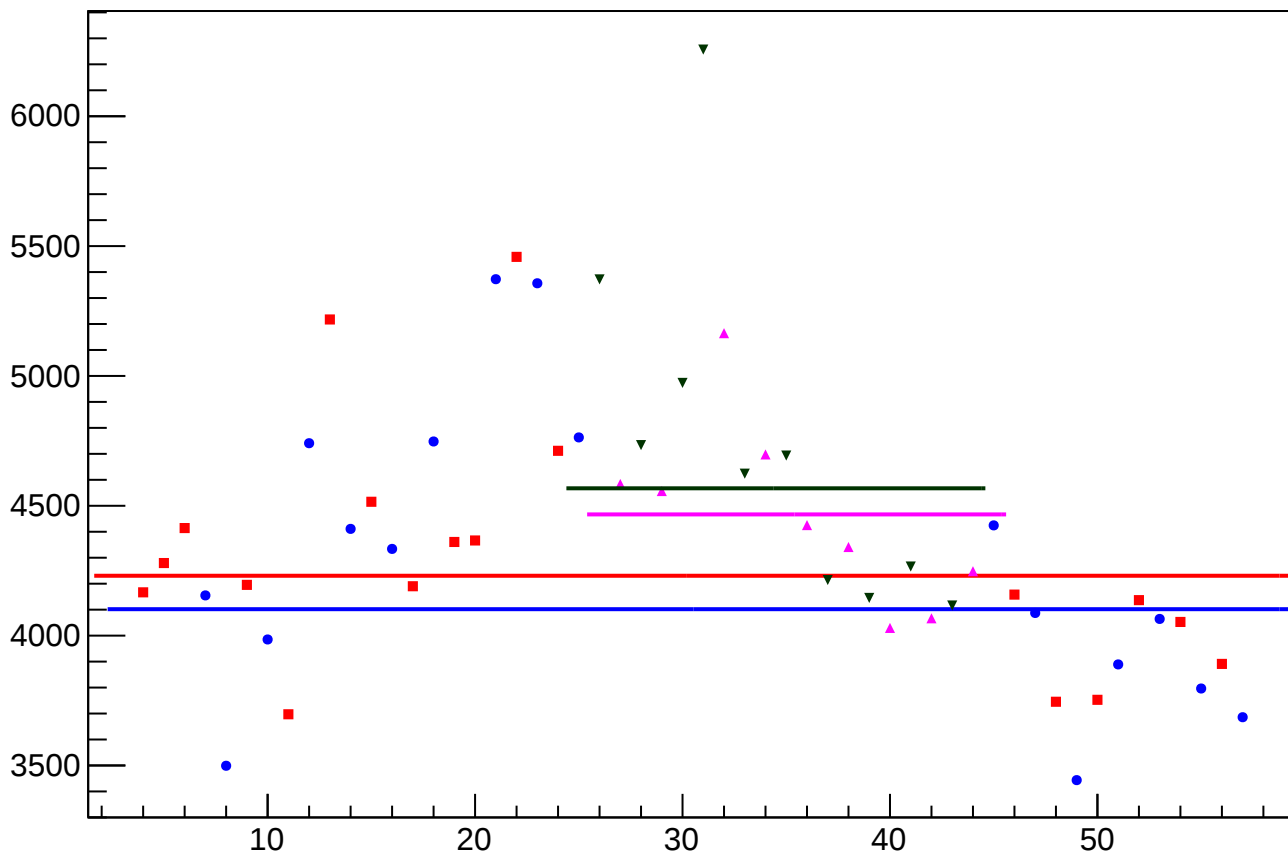
Right Out: -3.070 ± 1.382 $\chi^2/\text{NDF}: 23.8/17$

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

0.434 ± 1.074 $\chi^2/\text{NDF}: 19.4/26$

-0.700 ± 1.116 $\chi^2/\text{NDF}: 42.0/26$

diff_bpm16X_rms vs slug



Right In: 4101.812 ± 0.904 χ^2/NDF : 358541.9/16

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

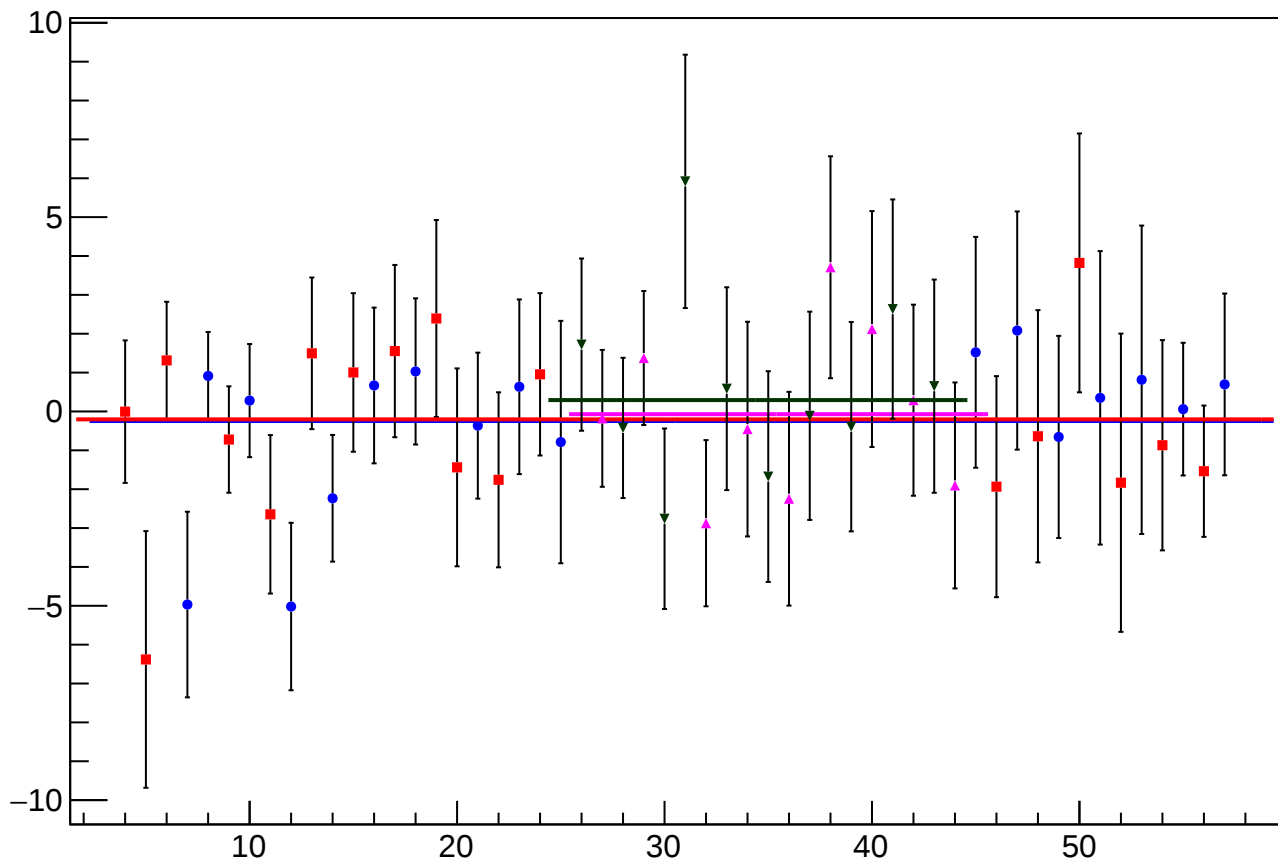
Right Out: 4230.564 ± 0.977 χ^2/NDF : 211102.8/17

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

4238.360 ± 0.760 χ^2/NDF : 559218.6/26

4312.877 ± 0.789 χ^2/NDF : 293087.8/26

diff_bpm16Y_mean vs slug



Right In: -0.246 ± 0.490 χ^2/NDF : 13.6/16

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

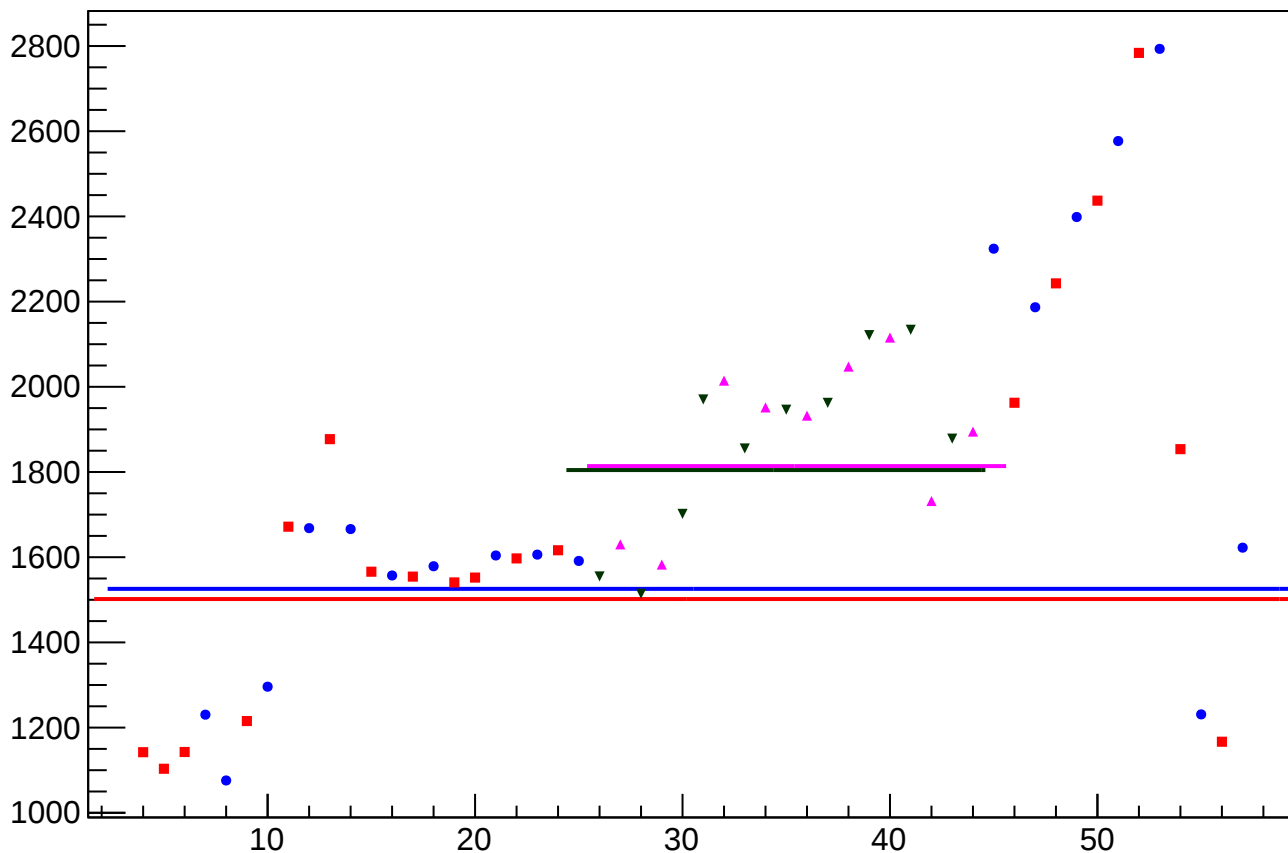
Right Out: -0.203 ± 0.506 χ^2/NDF : 12.6/17

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

-0.096 ± 0.416 χ^2/NDF : 20.5/26

-0.163 ± 0.423 χ^2/NDF : 18.5/26

diff_bpm16Y_rms vs slug



Right In: 1525.706+/-0.346 χ^2/NDF : 1314566.9/16

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

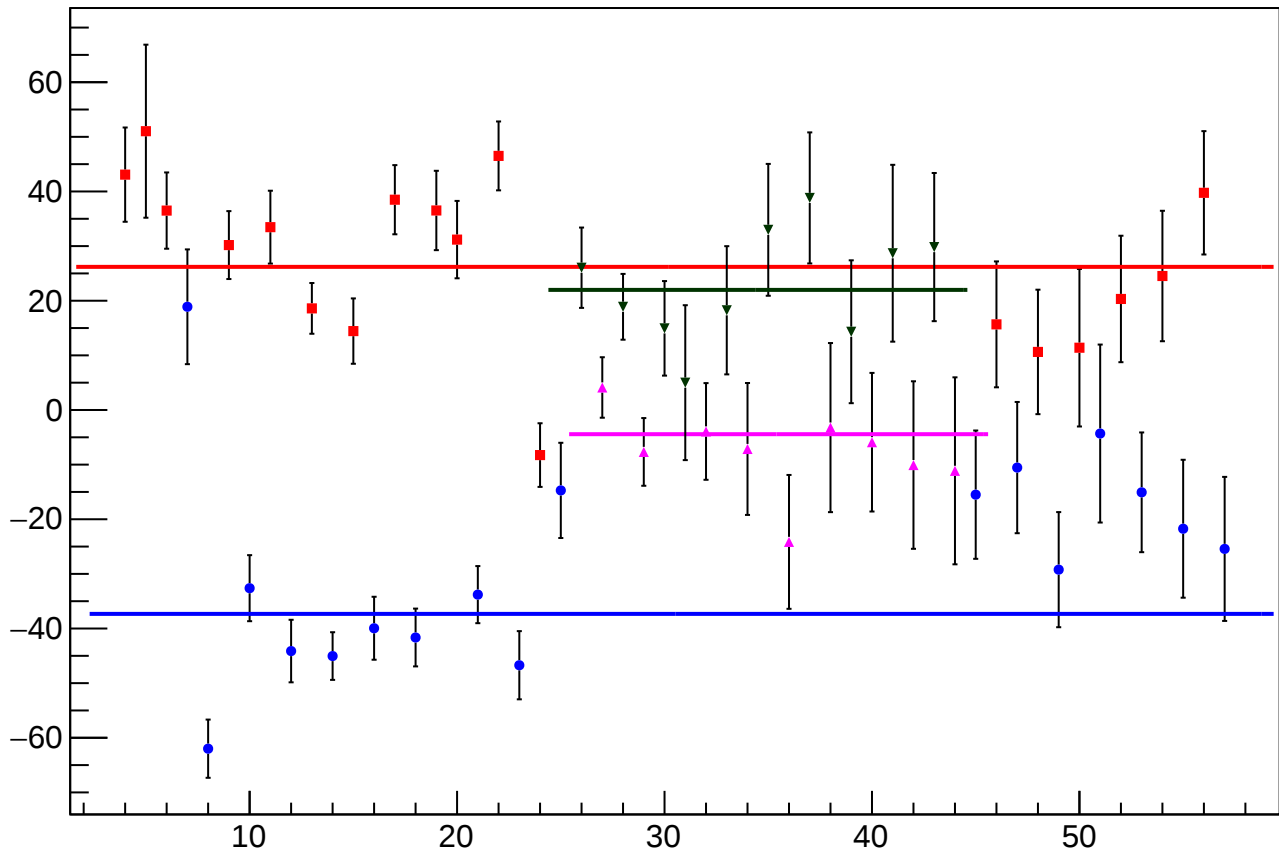
1603.416+/-0.294 χ^2/NDF : 1650851.4/26

Right Out: 1501.756+/-0.358 χ^2/NDF : 1059126.2/17

1595.554+/-0.299 χ^2/NDF : 1409308.1/26

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

diff_bpm0l01X_mean vs slug



Right In: -37.322 $\pm$ 1.707 χ^2 /NDF: 85.2/16

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

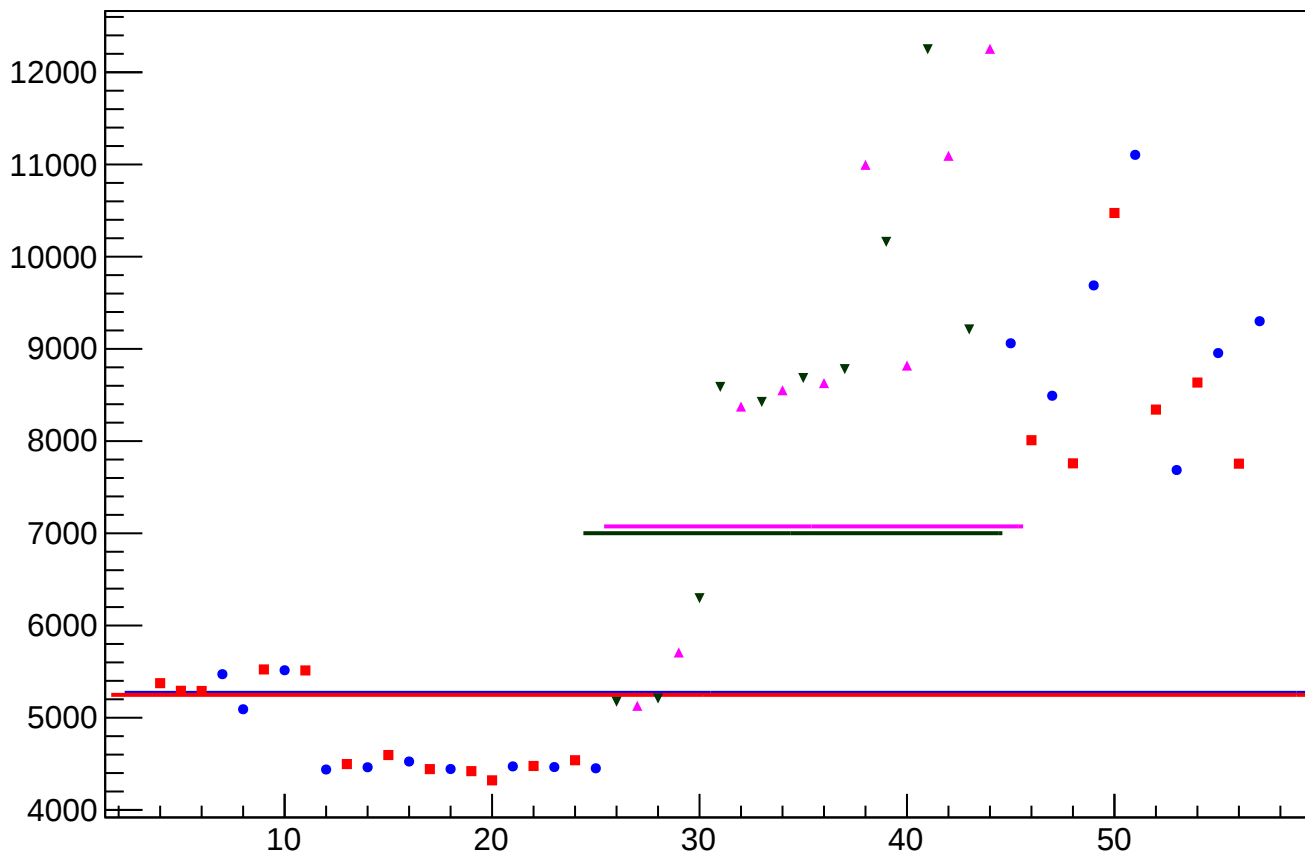
Right Out: 26.200 $\pm$ 1.764 χ^2 /NDF: 73.7/17

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

-23.883 $\pm$ 1.501 χ^2 /NDF: 365.2/26

18.766 $\pm$ 1.535 χ^2 /NDF: 152.5/26

diff_bpm0l01X_rms vs slug



Right In: 5269.718+/-1.207 χ^2 /NDF: 1711883.3/16

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

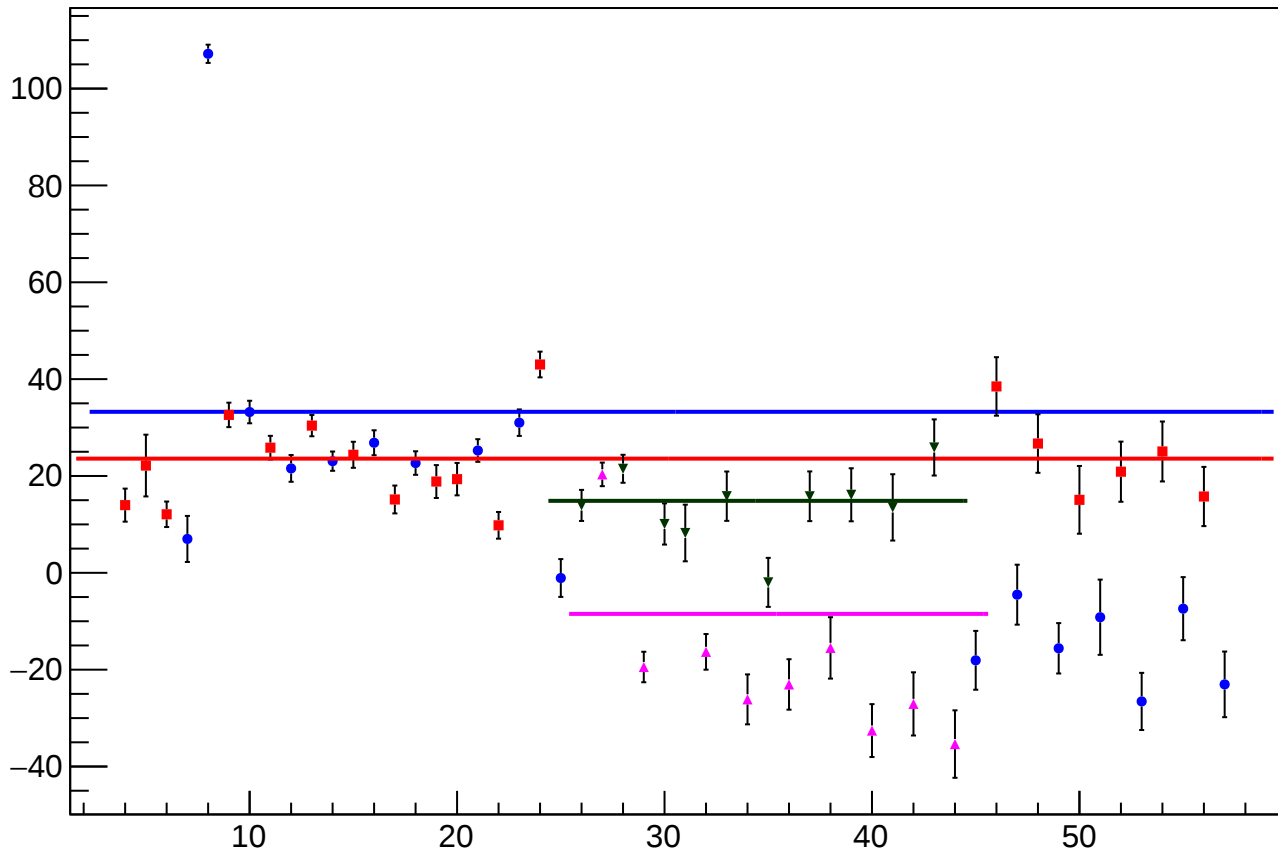
Right Out: 5248.200+/-1.247 χ^2 /NDF: 1113005.1/17

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

5662.052+/-1.061 χ^2 /NDF: 3010133.7/26

5691.532+/-1.085 χ^2 /NDF: 2570051.8/26

diff_bpm0l01Y_mean vs slug



Right In: 33.253 $\pm$ 0.750 χ^2/NDF : 2166.1/16

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

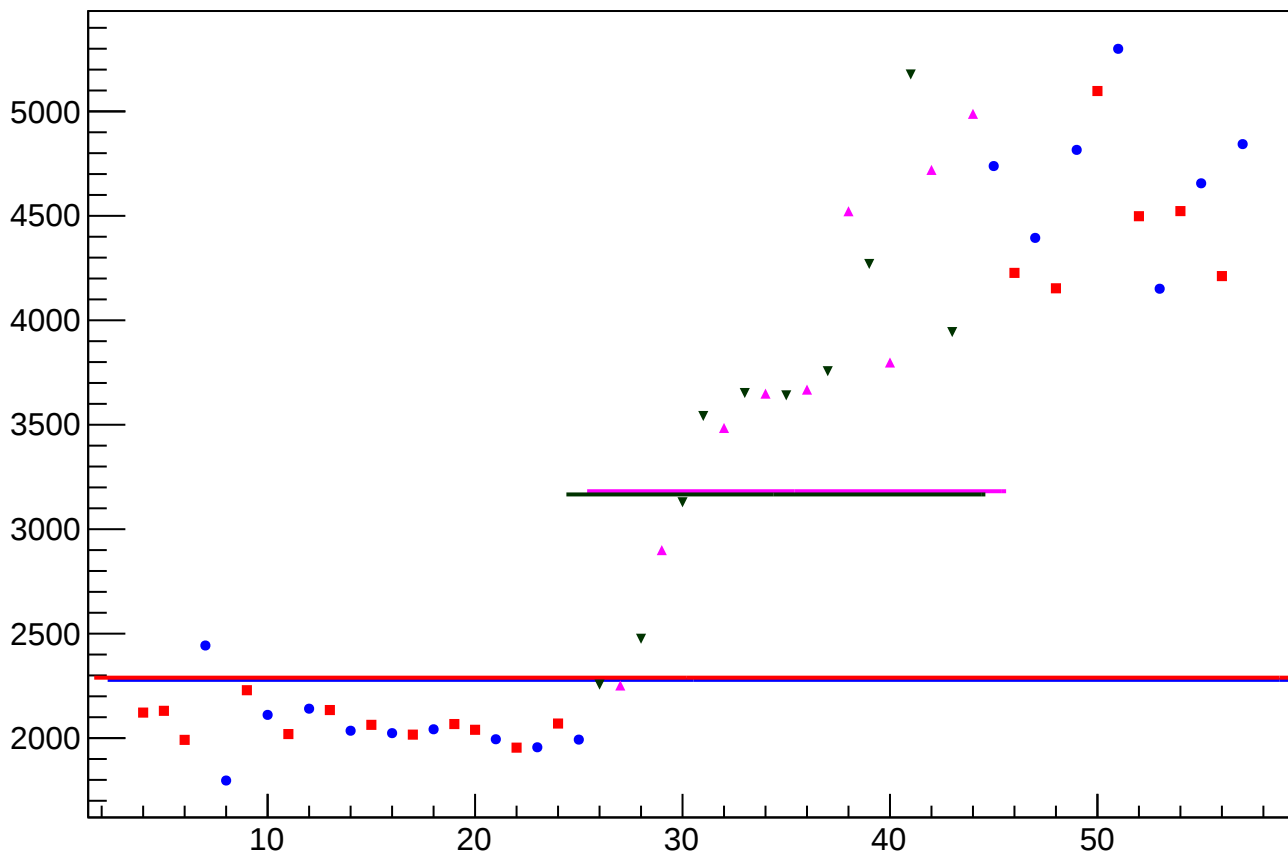
Right Out: 23.583 $\pm$ 0.779 χ^2/NDF : 150.6/17

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

29.205 $\pm$ 0.663 χ^2/NDF : 2321.0/26

15.888 $\pm$ 0.679 χ^2/NDF : 776.8/26

diff_bpm0l01Y_rms vs slug



Right In: 2278.810+/-0.531 χ^2 /NDF: 2378473.8/16

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

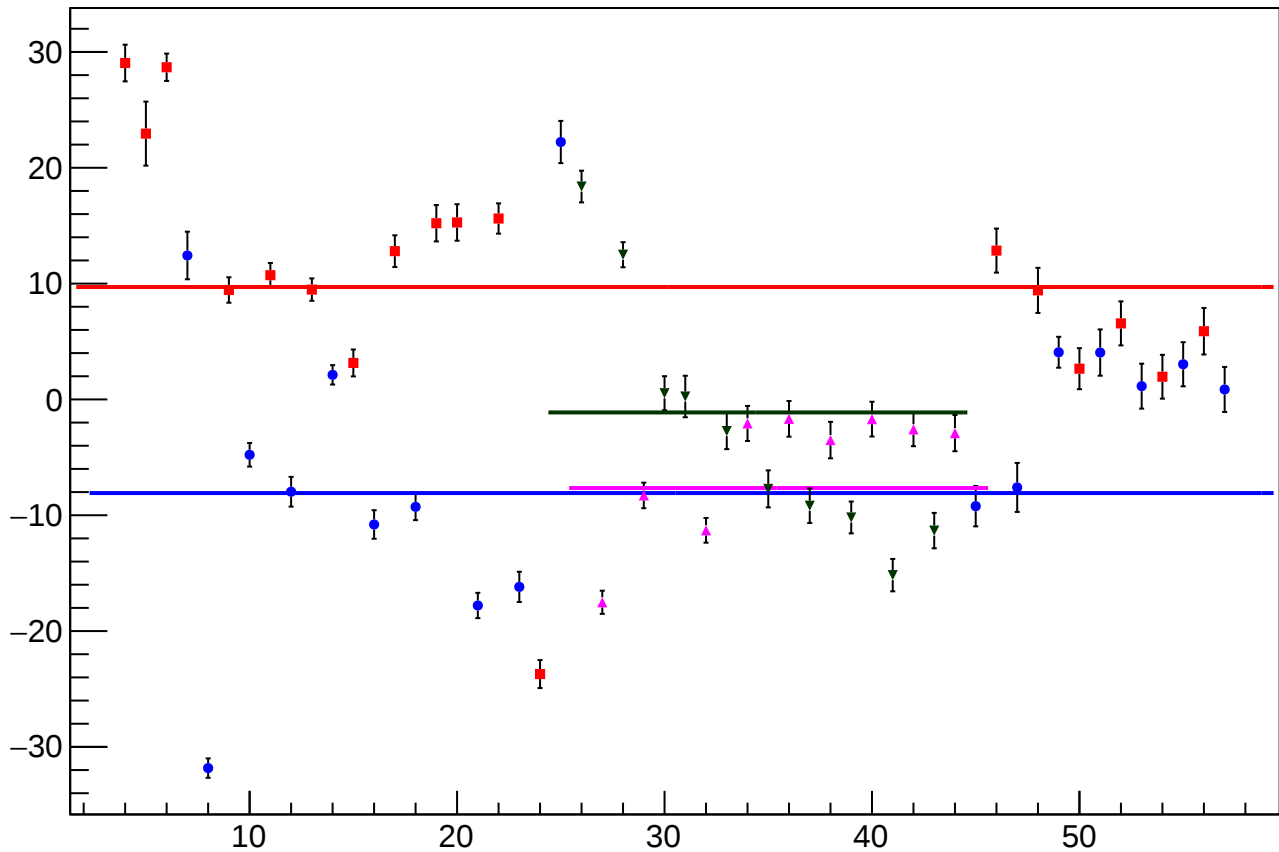
Right Out: 2289.312+/-0.551 χ^2 /NDF: 1591473.9/17

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

2474.183+/-0.468 χ^2 /NDF: 3630150.4/26

2503.495+/-0.480 χ^2 /NDF: 2936468.7/26

diff_bpm2i01X_mean vs slug



Right In: -8.084 ± 0.317 χ^2/NDF : 1657.7/16

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

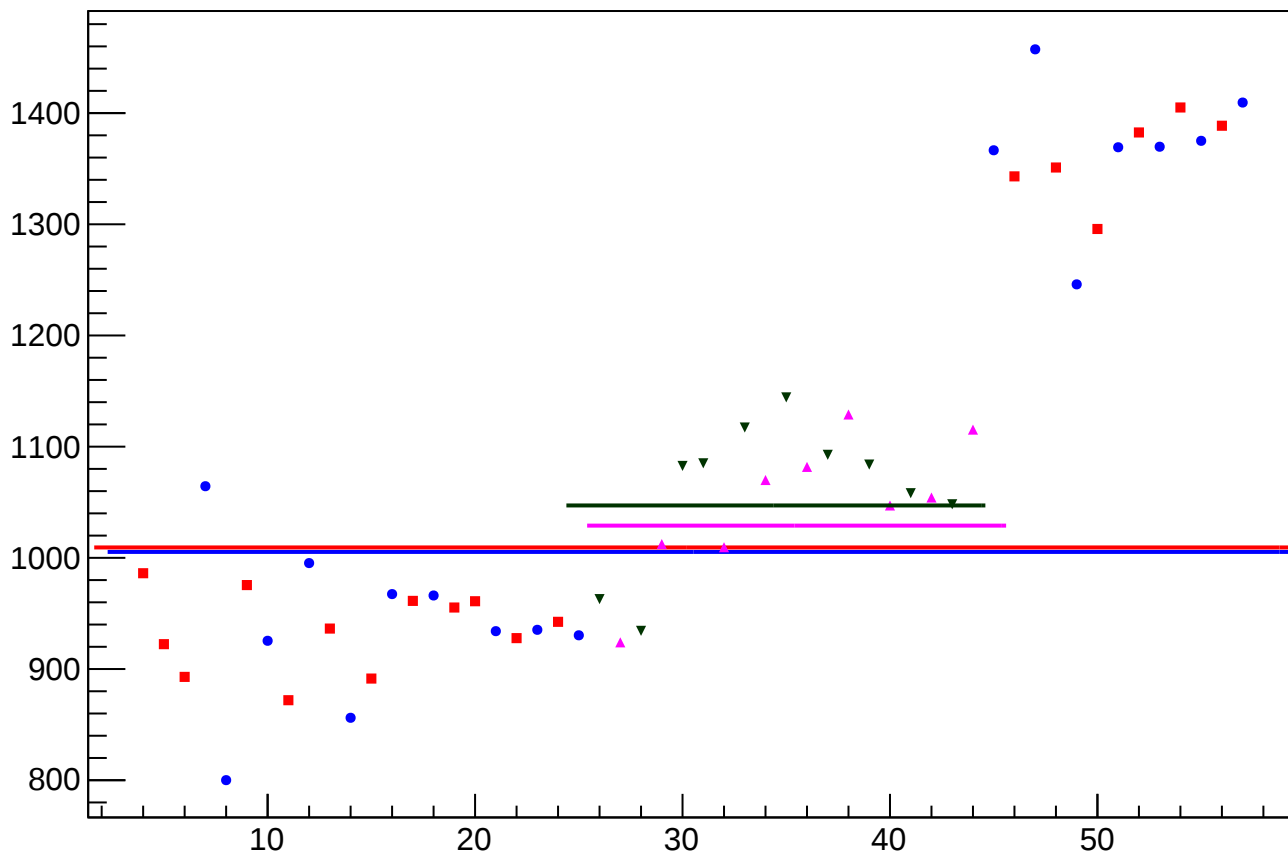
Right Out: 9.706 ± 0.332 χ^2/NDF : 1318.9/17

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

-5.796 ± 0.260 χ^2/NDF : 2415.5/26

3.303 ± 0.264 χ^2/NDF : 2507.2/26

diff_bpm2i01X_rms vs slug



Right In: 1005.331+/-0.224 χ^2/NDF : 760015.1/16

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

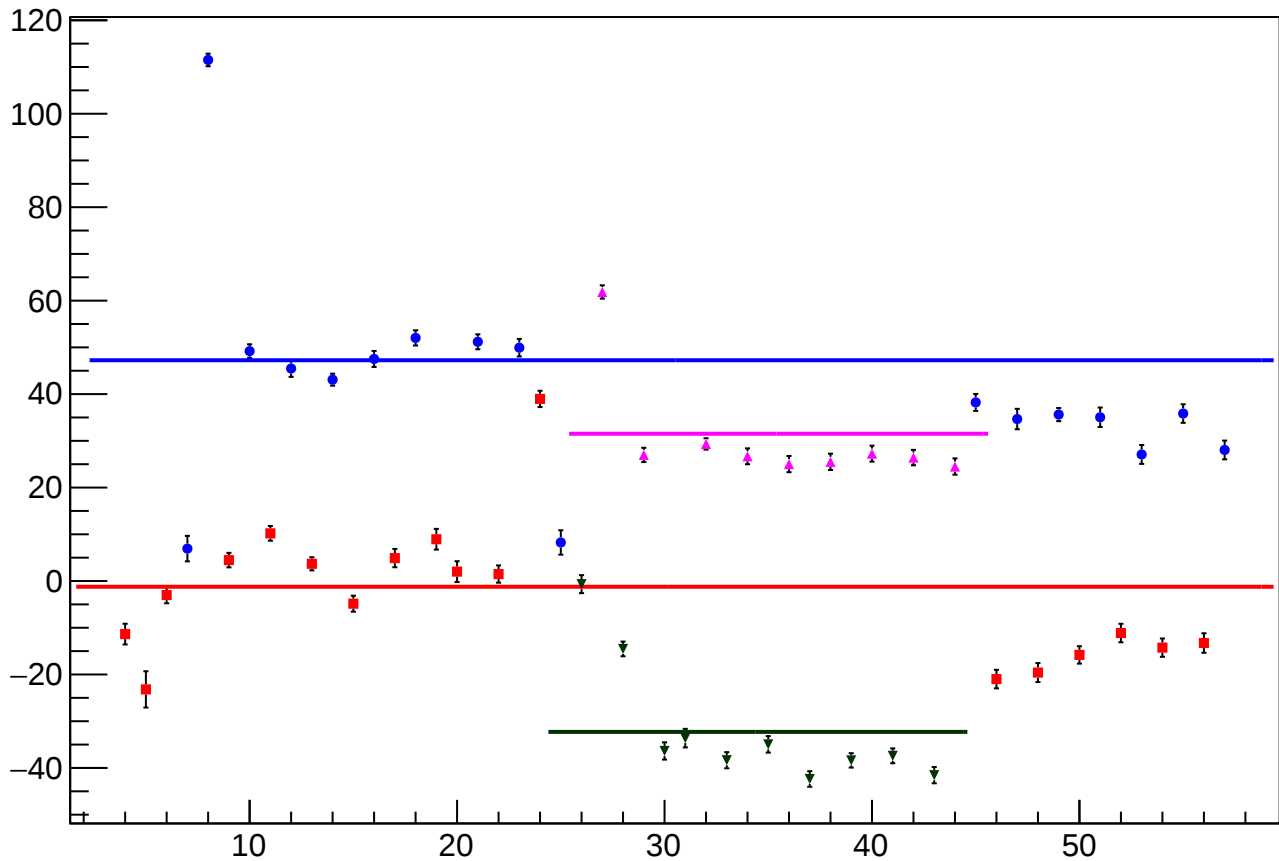
Right Out: 1009.358+/-0.235 χ^2/NDF : 521562.8/17

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

1019.065+/-0.184 χ^2/NDF : 817600.8/26

1016.599+/-0.187 χ^2/NDF : 566203.5/26

diff_bpm2i01Y_mean vs slug



Right In: 47.246+/-0.422 χ^2 /NDF: 3148.5/16

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

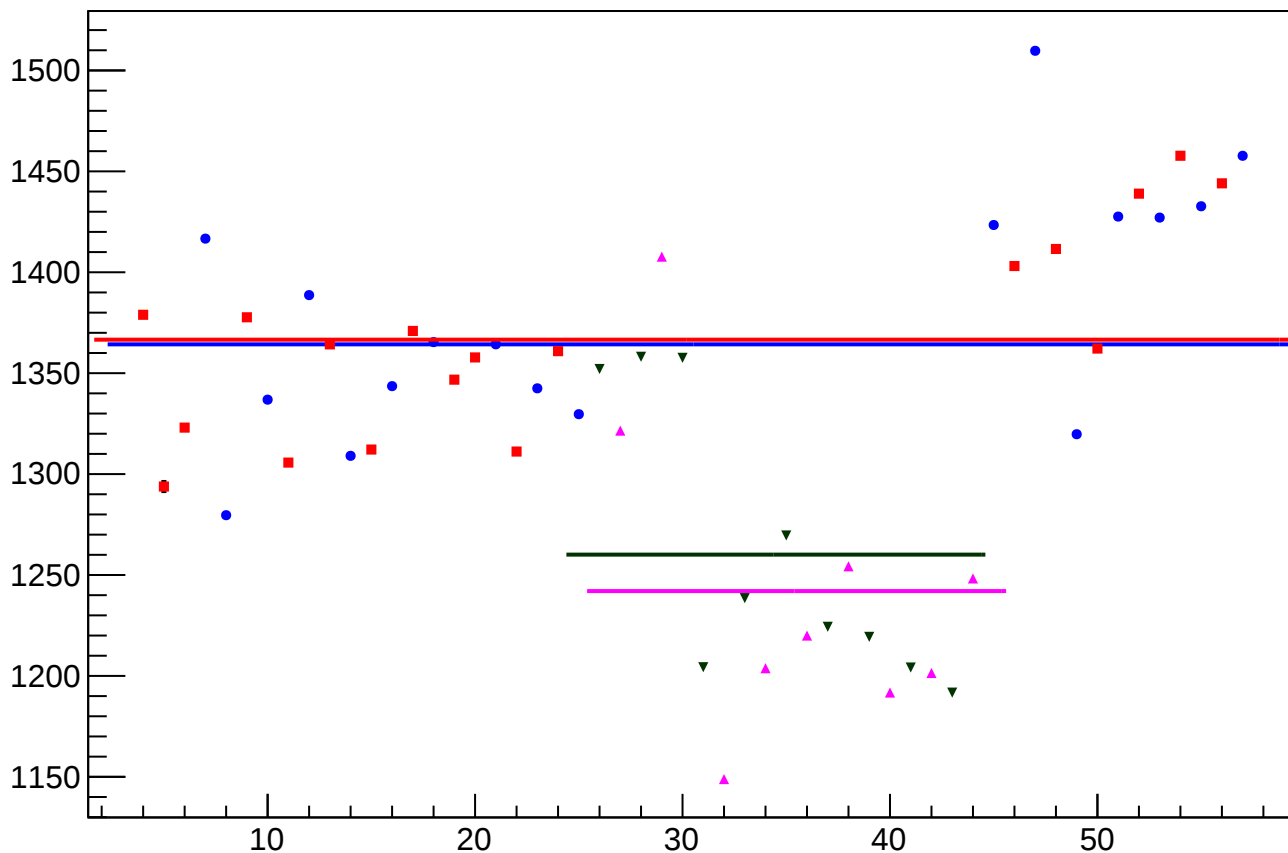
Right Out: -1.225+/-0.444 χ^2 /NDF: 1044.3/17

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

17.333+/-0.334 χ^2 /NDF: 16984.3/26

12.464+/-0.339 χ^2 /NDF: 3843.5/26

diff_bpm2i01Y_rms vs slug



Right In: 1364.285 ± 0.299 χ^2/NDF : 37839.6/16

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

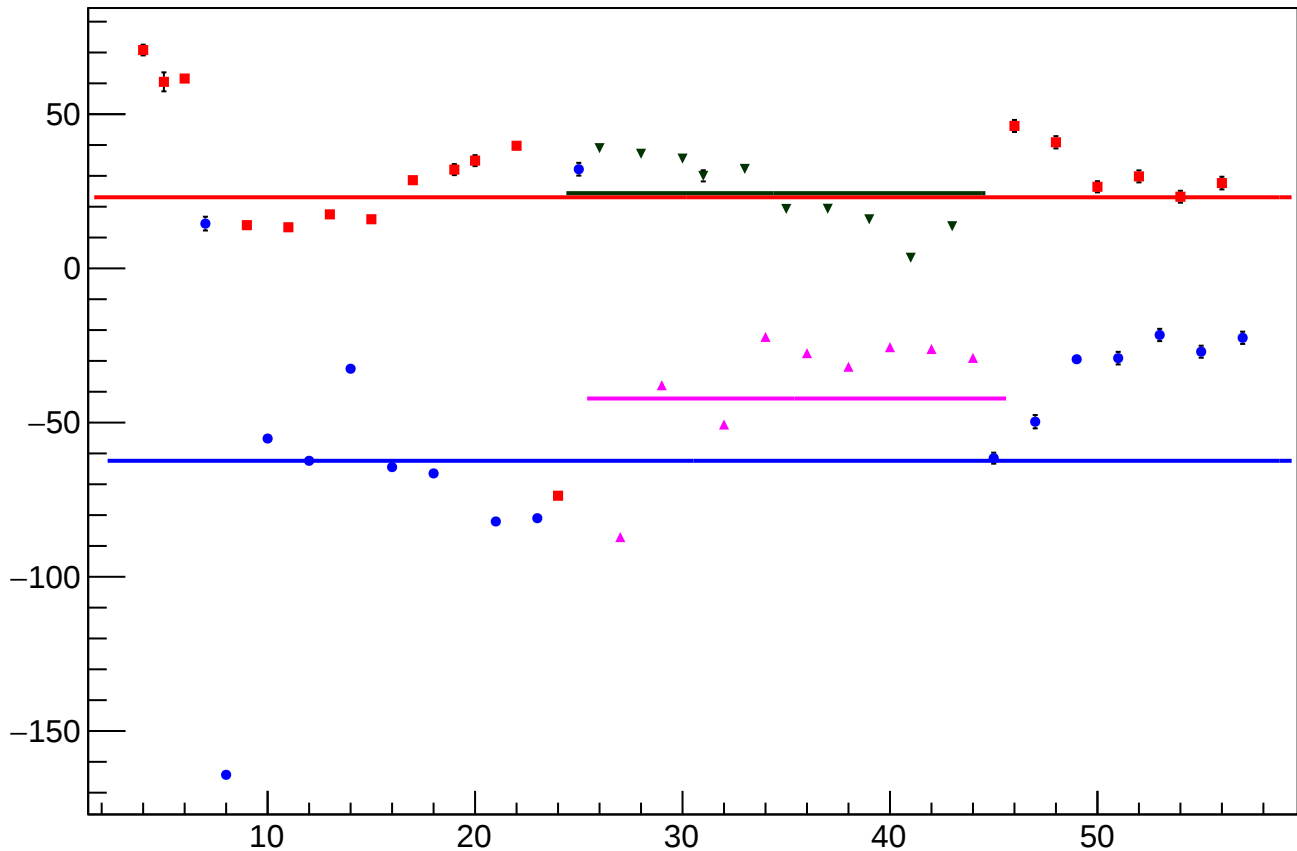
Right Out: 1366.605 ± 0.314 χ^2/NDF : 20510.0/17

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

1325.098 ± 0.236 χ^2/NDF : 111306.0/26

1314.530 ± 0.240 χ^2/NDF : 132062.3/26

diff_bpm2i02X_mean vs slug



Right In: -62.388 ± 0.352 χ^2/NDF : 17619.6/16

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

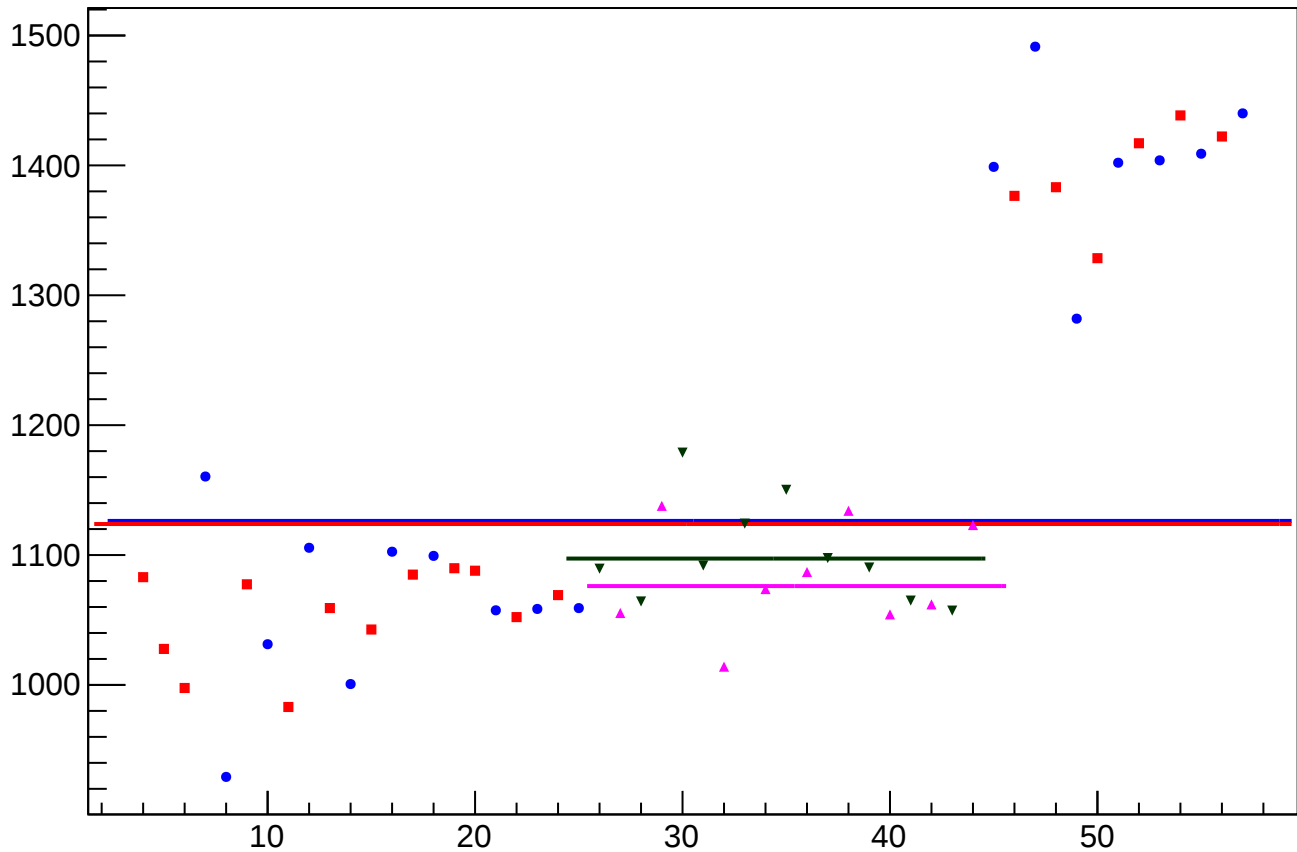
Right Out: 23.056 ± 0.368 χ^2/NDF : 7354.1/17

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

-31.504 ± 0.283 χ^2/NDF : 39859.7/26

-2.809 ± 0.286 χ^2/NDF : 22068.1/26

diff_bpm2i02X_rms vs slug



Right In: 1126.279 ± 0.249 χ^2/NDF : 440222.8/16

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

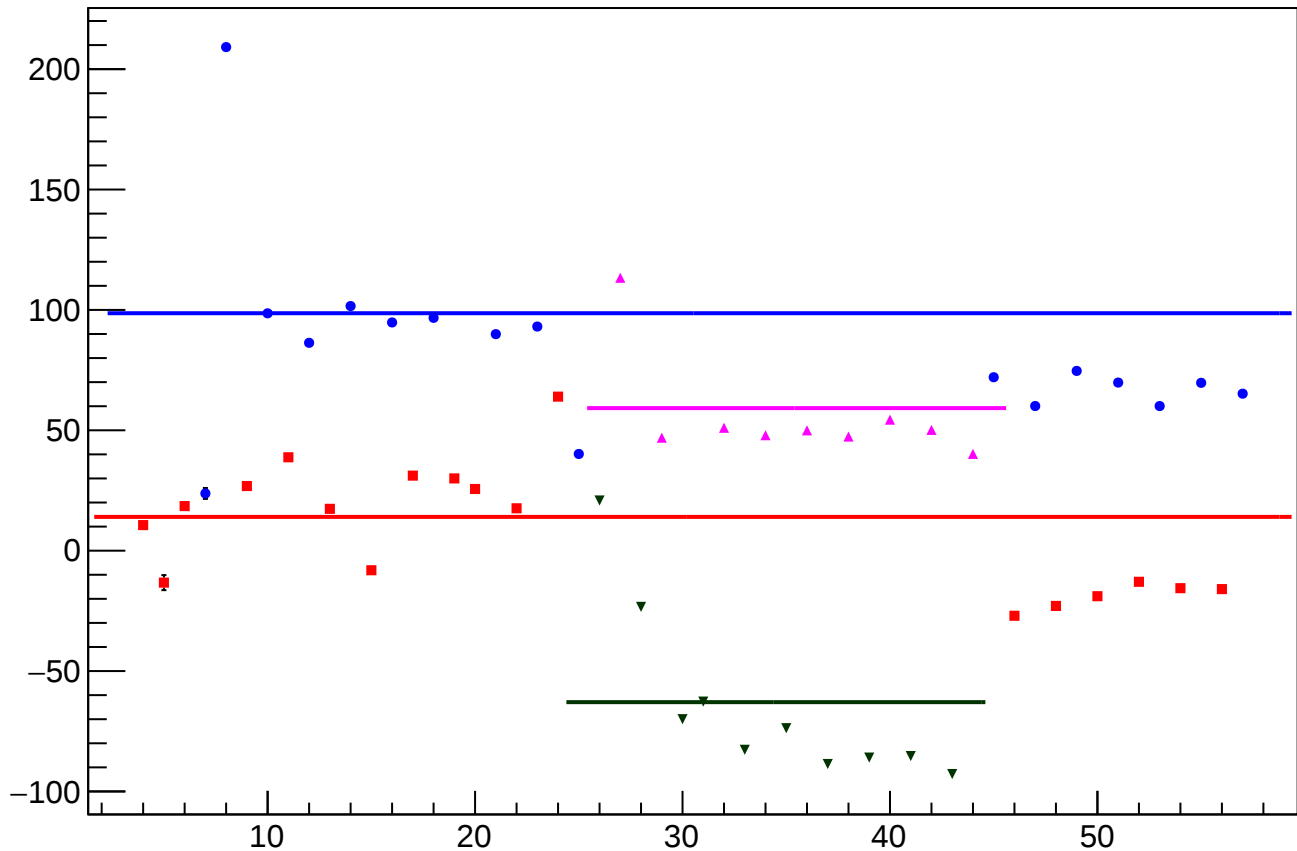
Right Out: 1123.886 ± 0.260 χ^2/NDF : 310115.0/17

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

1115.964 ± 0.200 χ^2/NDF : 456963.6/26

1104.946 ± 0.202 χ^2/NDF : 340998.4/26

diff_bpm2i02Y_mean vs slug



Right In: 98.625 $\pm$ 0.353 χ^2 /NDF: 16162.7/16

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

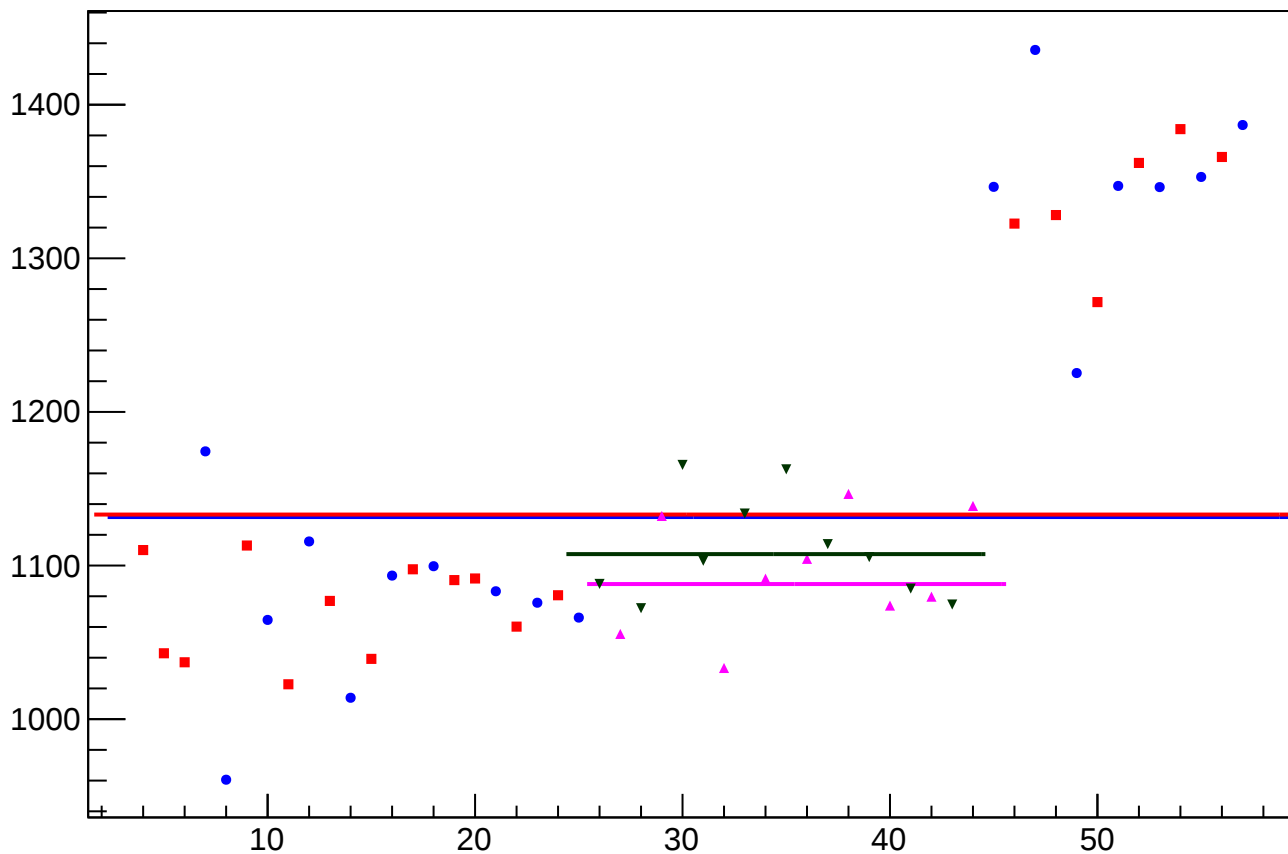
Right Out: 14.037 $\pm$ 0.370 χ^2 /NDF: 4318.4/17

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

41.680 $\pm$ 0.284 χ^2 /NDF: 95512.1/26

31.840 $\pm$ 0.288 χ^2 /NDF: 12936.1/26

diff_bpm2i02Y_rms vs slug



Right In: 1131.576 $\pm$ 0.249 χ^2 /NDF: 300660.0/16

Left Out: 1107.440 $\pm$ 0.338 χ^2 /NDF:8902.6/9

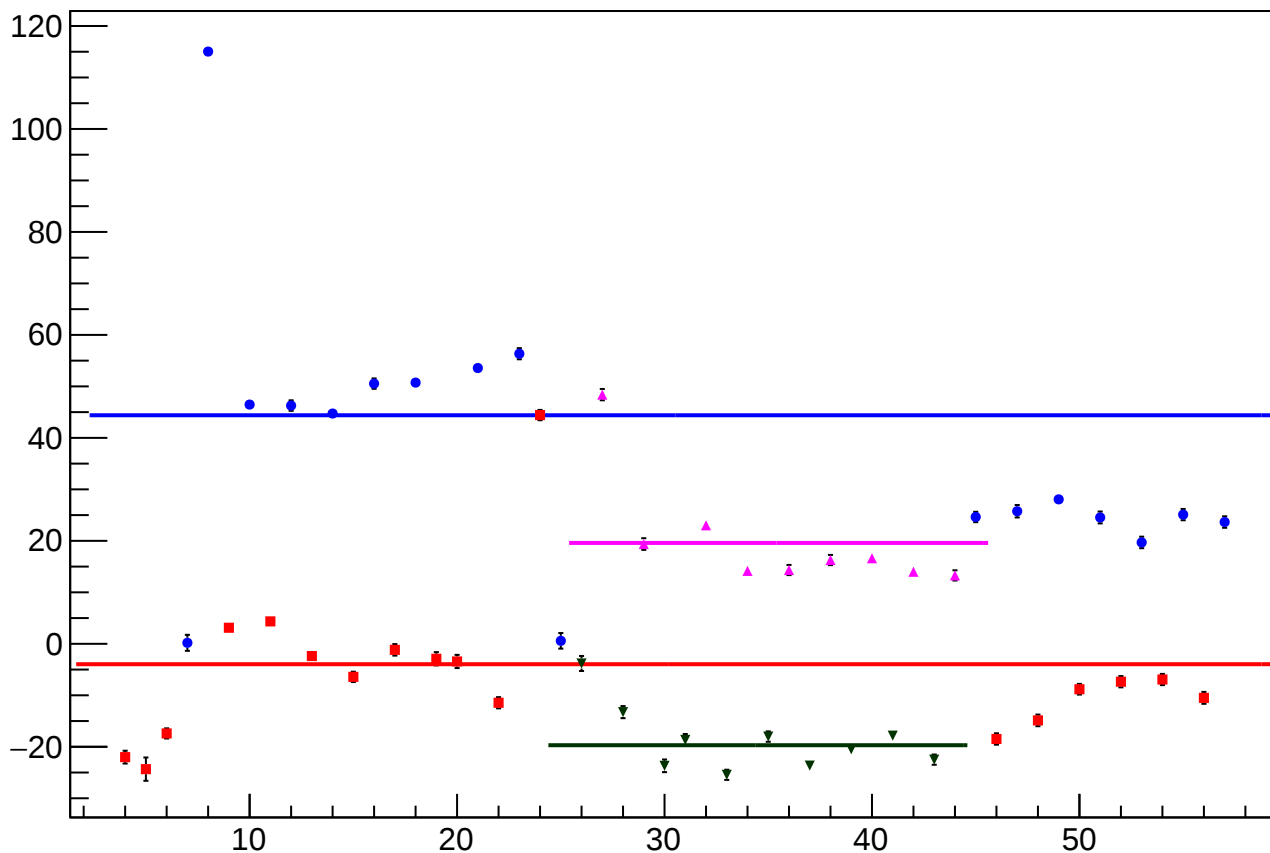
Right Out: 1133.189 $\pm$ 0.262 χ^2 /NDF: 201645.6/17

Left In: 1087.950 $\pm$ 0.324 χ^2 /NDF:14406.0/8

1123.068 $\pm$ 0.201 χ^2 /NDF: 312867.4/26

1115.360 $\pm$ 0.204 χ^2 /NDF: 227838.3/26

diff_bpm1i04X_mean vs slug



Right In: 44.393+/-0.239 χ^2/NDF : 13132.1/16

Left Out: -19.696+/-0.329 χ^2/NDF : 226.0/9

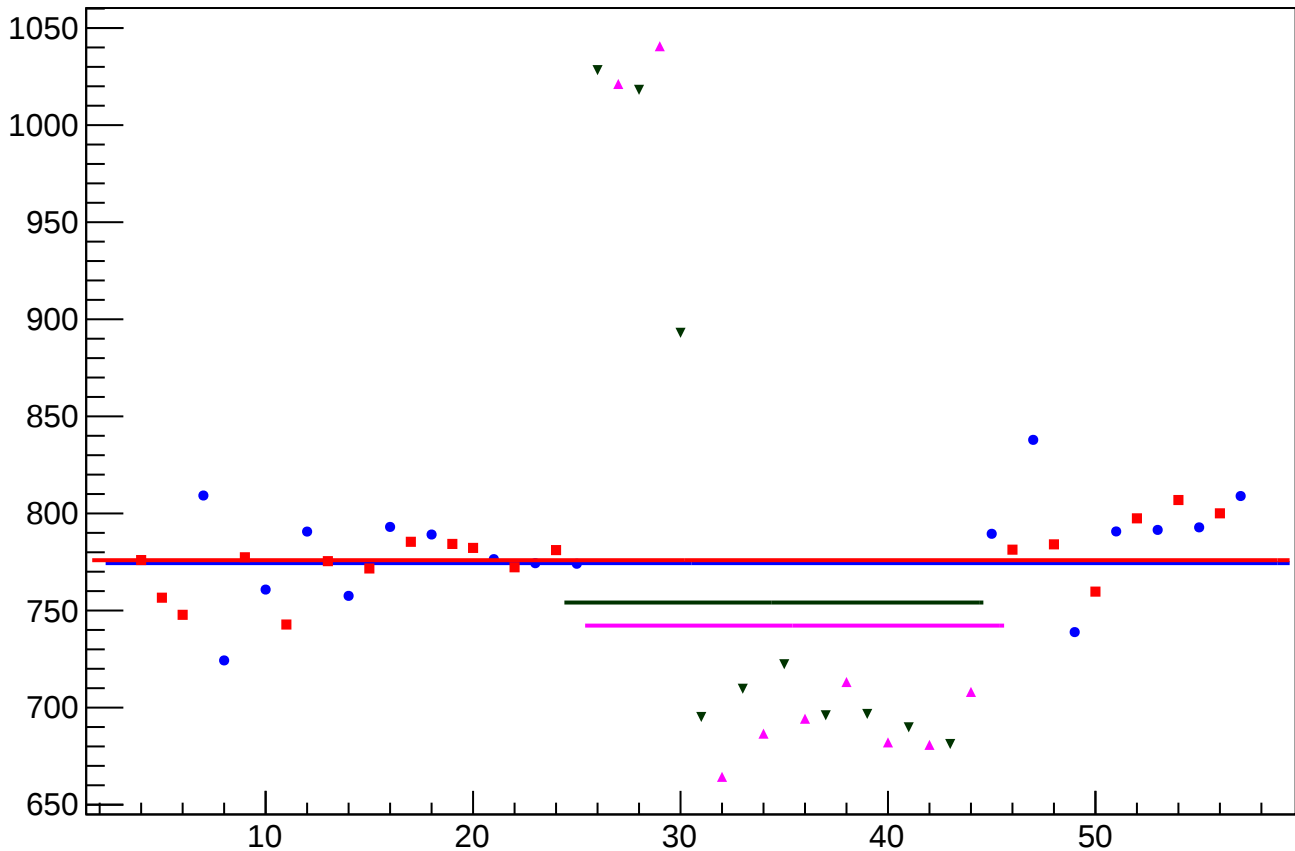
Right Out: -3.961+/-0.252 χ^2/NDF : 3359.8/17

Left In: 19.595+/-0.317 χ^2/NDF : 863.4/8

22.222+/-0.194 χ^2/NDF : 38143.3/26

5.152+/-0.197 χ^2/NDF : 7608.0/26

diff_bpm1i04X_rms vs slug



Right In: 774.415+/-0.169 χ^2/NDF : 26346.4/16

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

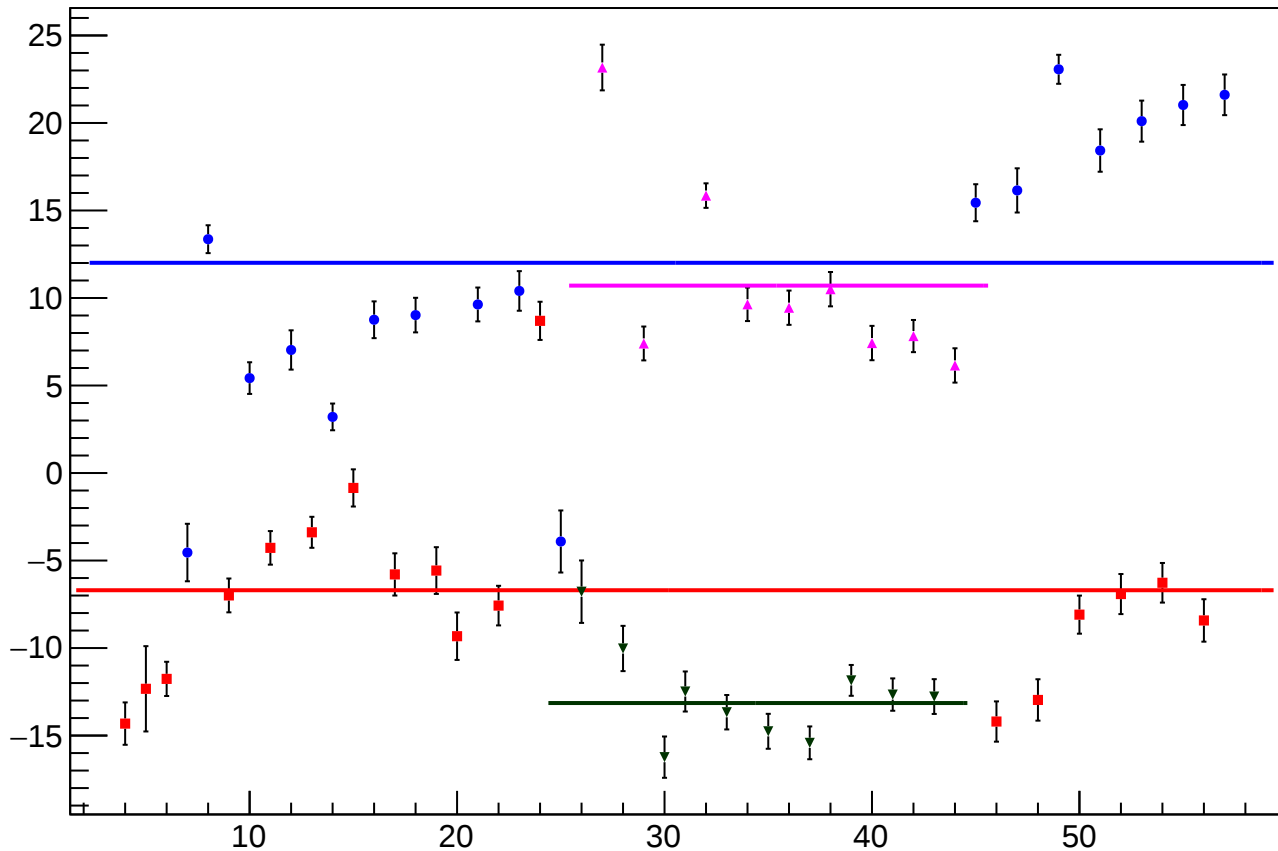
Right Out: 775.918+/-0.178 χ^2/NDF : 8792.5/17

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

767.393+/-0.137 χ^2/NDF : 275813.8/26

762.889+/-0.139 χ^2/NDF : 346663.2/26

diff_bpm1i04Y_mean vs slug



Right In: 12.011+/-0.253 χ^2 /NDF: 822.7/16

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

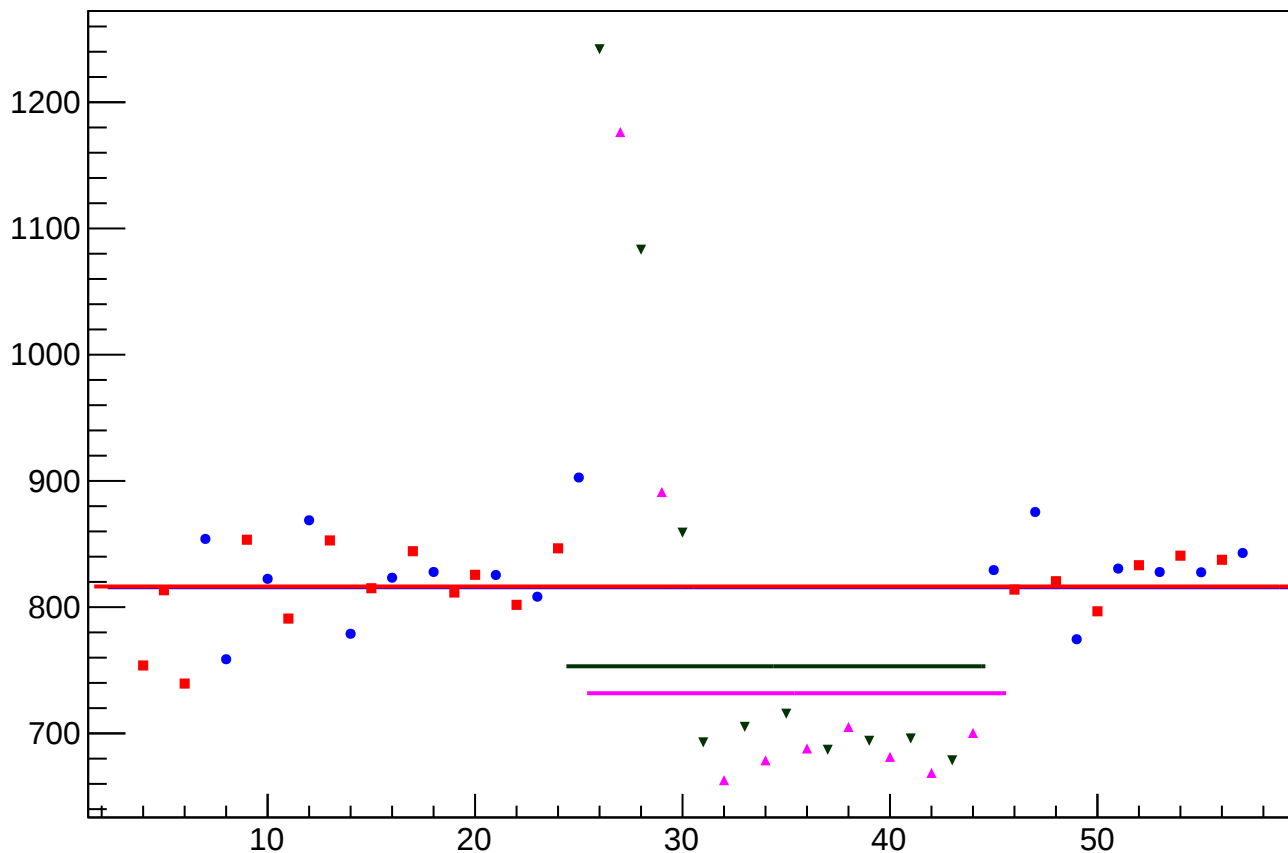
Right Out: -6.697+/-0.266 χ^2 /NDF: 401.7/17

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

2.807+/-0.201 χ^2 /NDF: 4485.9/26

0.557+/-0.203 χ^2 /NDF: 2392.7/26

diff_bpm1i04Y_rms vs slug



Right In: 815.792+/-0.179 χ^2/NDF : 37623.8/16

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

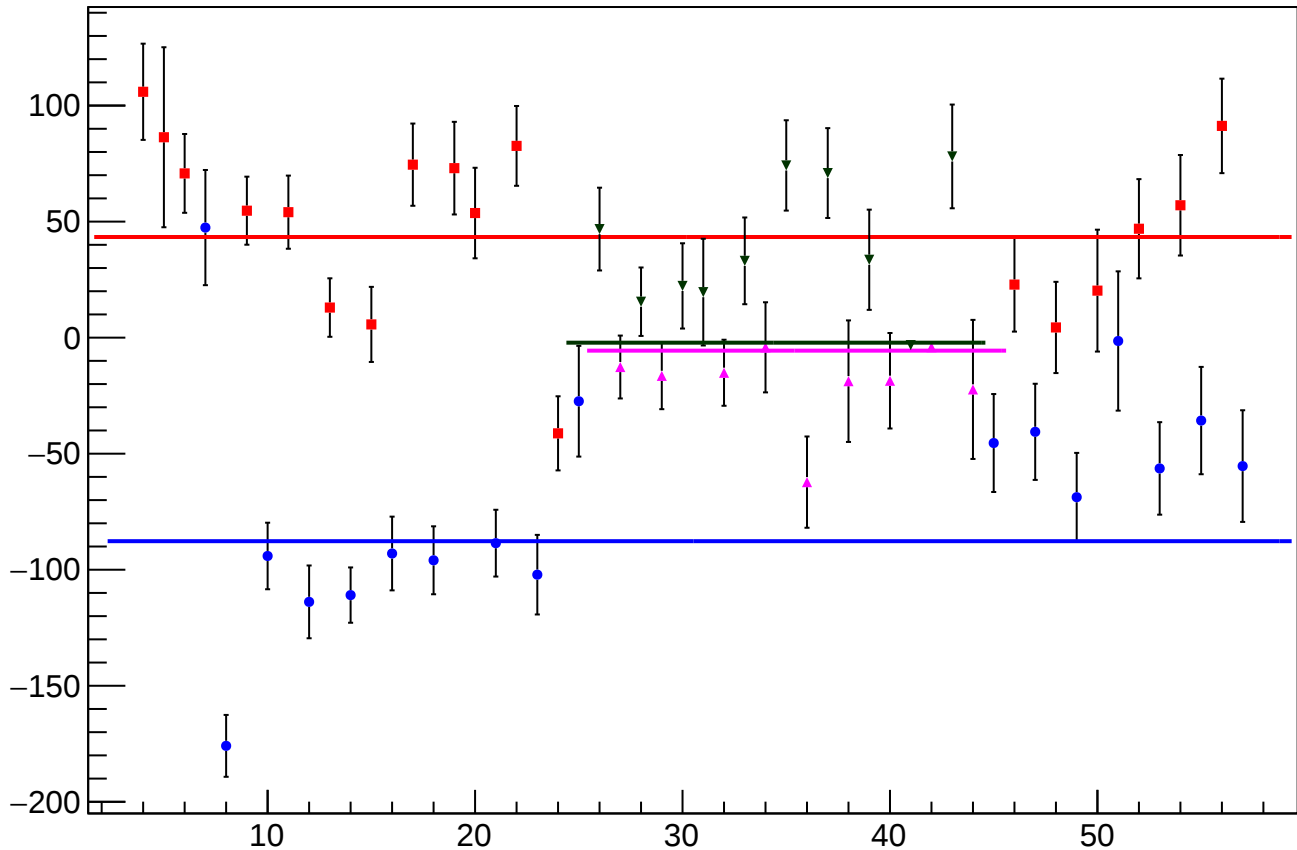
Right Out: 816.382+/-0.188 χ^2/NDF : 31185.1/17

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

792.874+/-0.142 χ^2/NDF : 430047.4/26

781.136+/-0.143 χ^2/NDF : 449618.7/26

diff_bpm0l02X_mean vs slug



Right In: -87.699±/4.211 χ^2 /NDF: 115.5/16

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

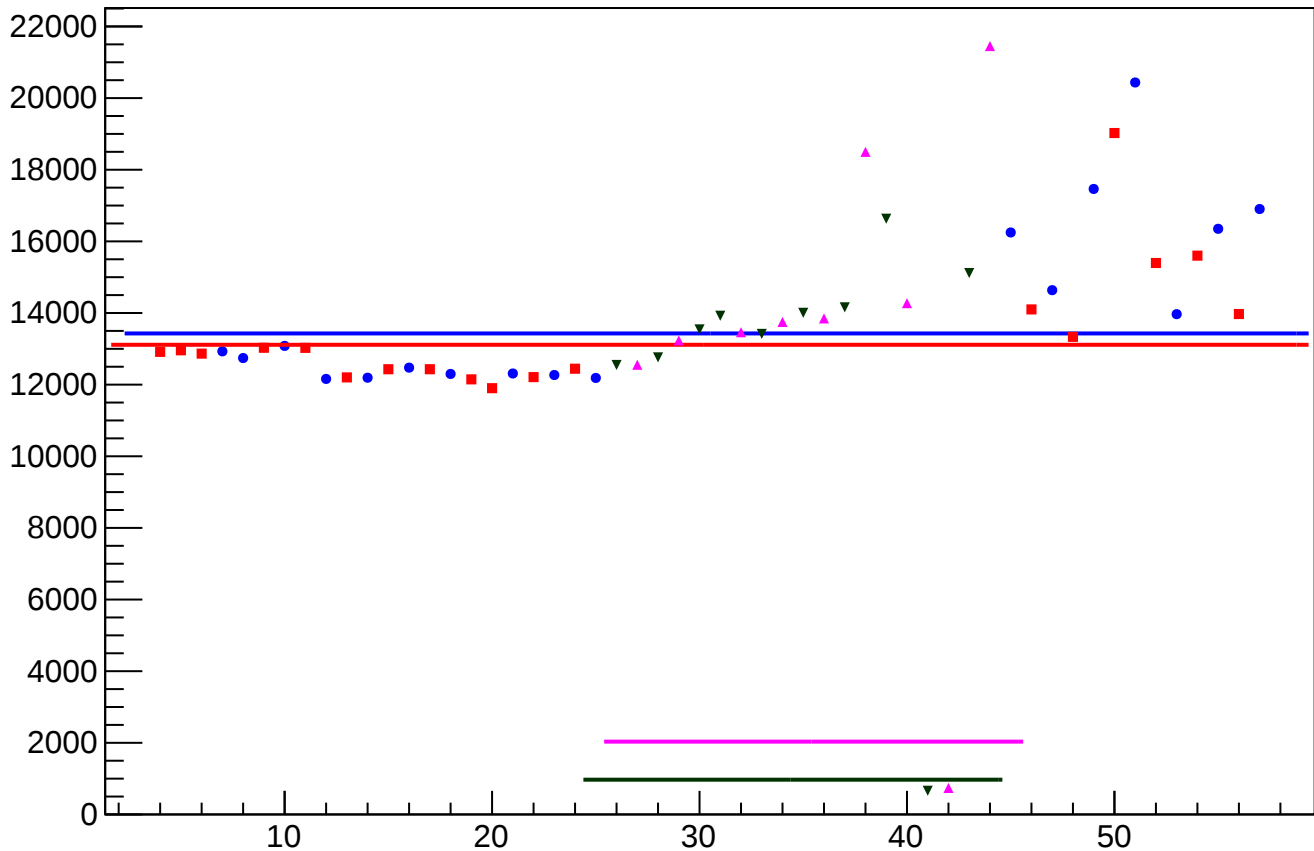
Right Out: 43.365±/4.300 χ^2 /NDF: 75.8/17

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

-6.490±/0.947 χ^2 /NDF: 568.8/26

2.812±/1.782 χ^2 /NDF: 194.3/26

diff_bpm0l02X_rms vs slug



Right In: 13429.409 $\pm$ 2.978 χ^2 /NDF: 403727.3/16

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

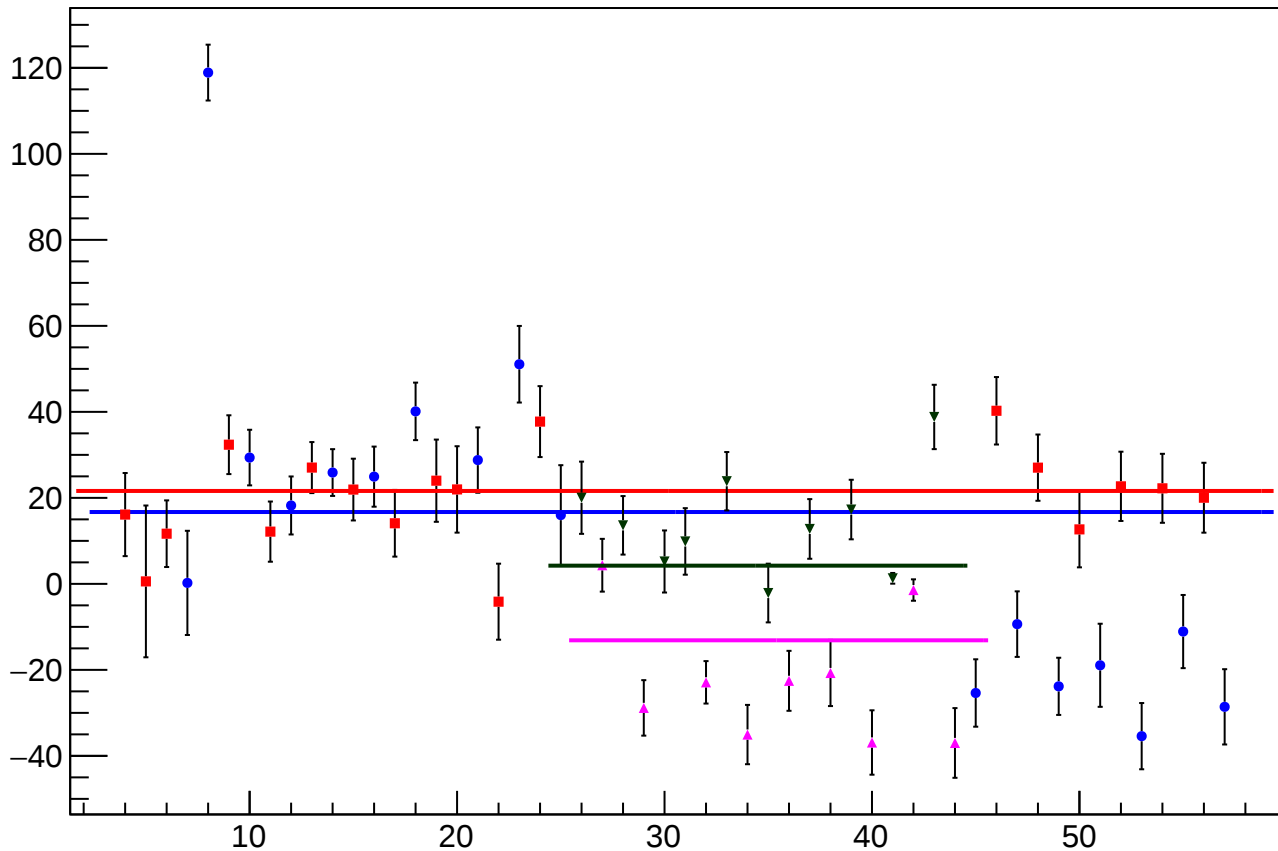
1600.534 $\pm$ 0.670 χ^2 /NDF: 25481449.4/26

Right Out: 13112.404 $\pm$ 3.040 χ^2 /NDF: 198286.2/17

3936.310 $\pm$ 1.260 χ^2 /NDF: 19487212.2/26

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

diff_bpm0l02Y_mean vs slug



Right In: 16.709 ± 1.823 $\chi^2/\text{NDF}: 461.8/16$

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

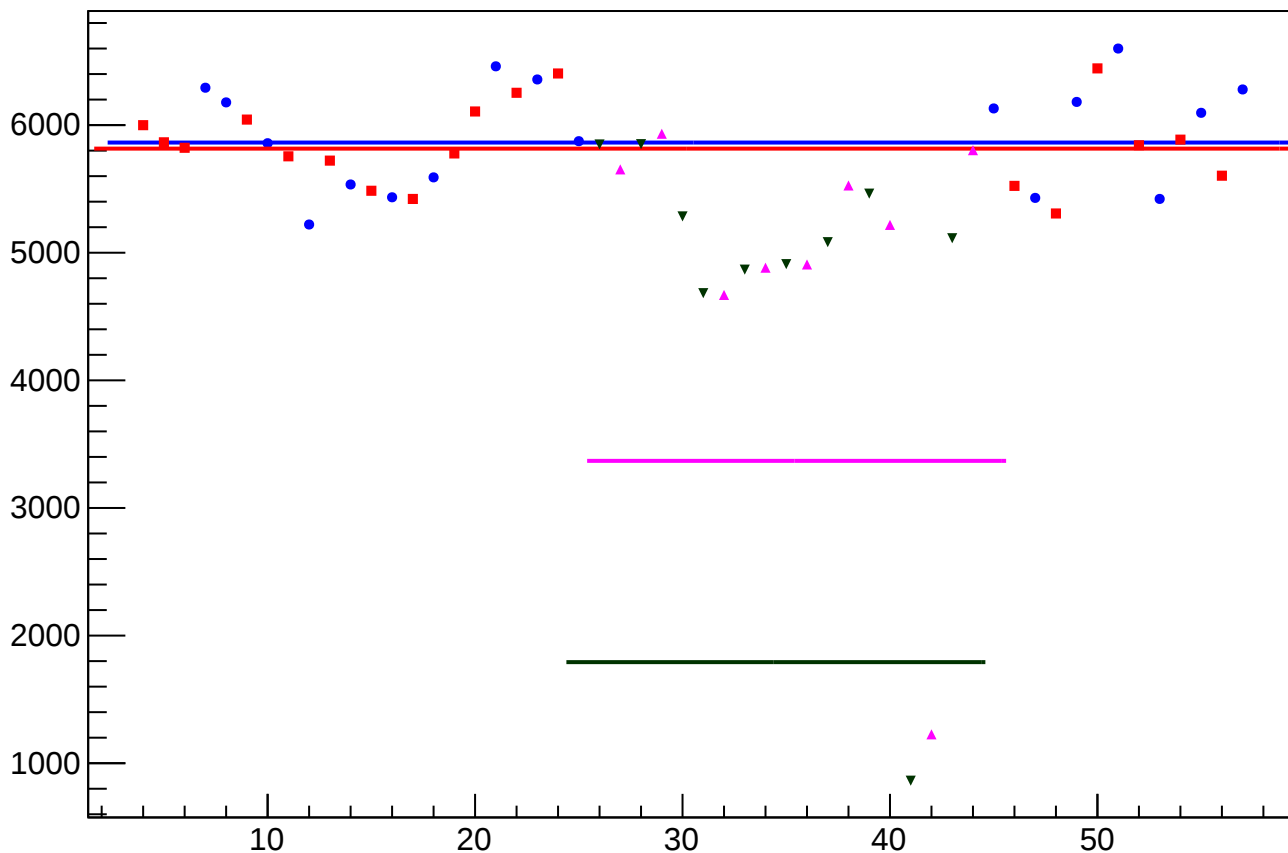
Right Out: 21.607 ± 1.899 $\chi^2/\text{NDF}: 29.1/17$

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

7.588 ± 0.945 $\chi^2/\text{NDF}: 543.3/26$

2.360 ± 1.268 $\chi^2/\text{NDF}: 286.0/26$

diff_bpm0l02Y_rms vs slug



Right In: 5863.301+/-1.289 χ^2/NDF : 99638.2/16

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

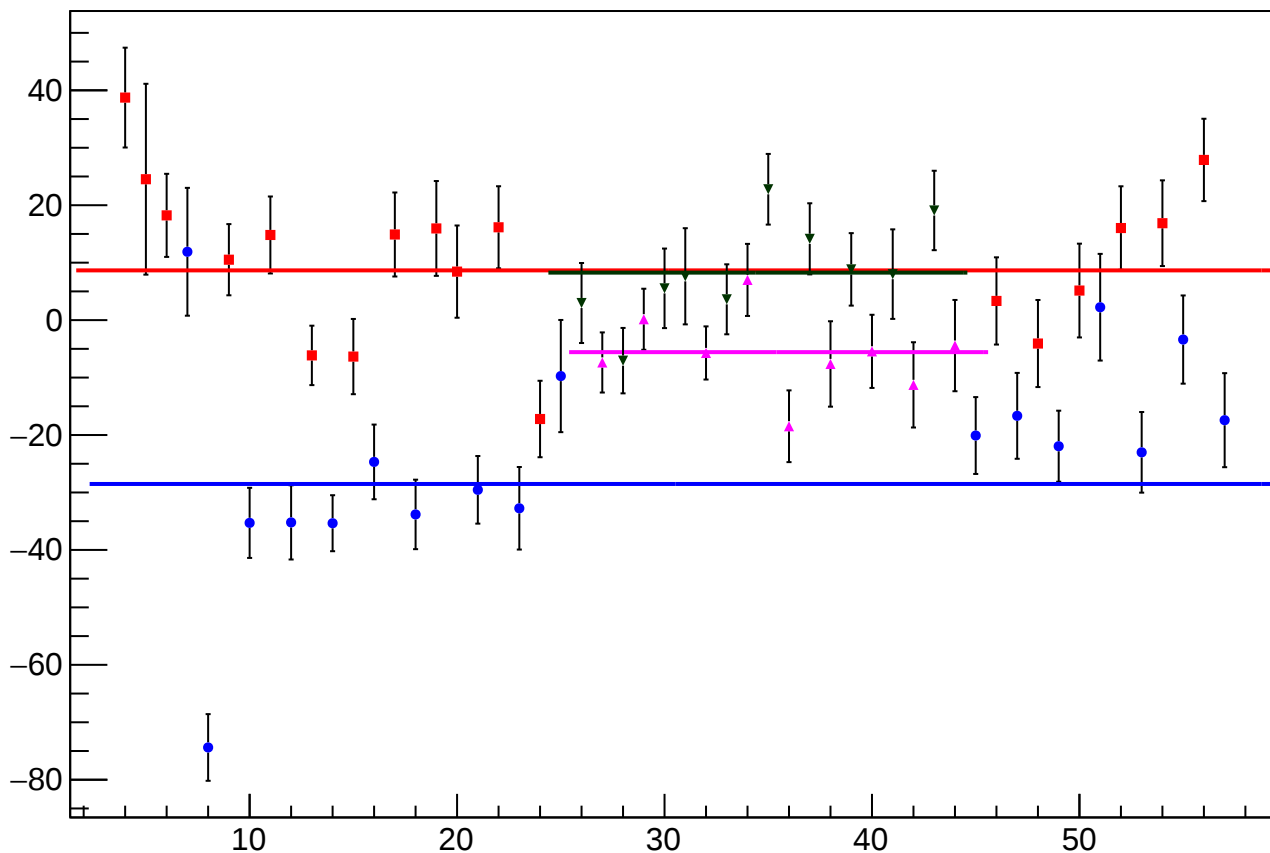
Right Out: 5815.757+/-1.343 χ^2/NDF : 52956.3/17

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

2886.589+/-0.668 χ^2/NDF : 12666171.0/26

4460.017+/-0.897 χ^2/NDF : 4757841.7/26

diff_bpm0l03X_mean vs slug



Right In: -28.520 ± 1.642 $\chi^2/\text{NDF}: 114.5/16$

Left Out: 8.269 ± 2.091 $\chi^2/\text{NDF}: 17.5/9$

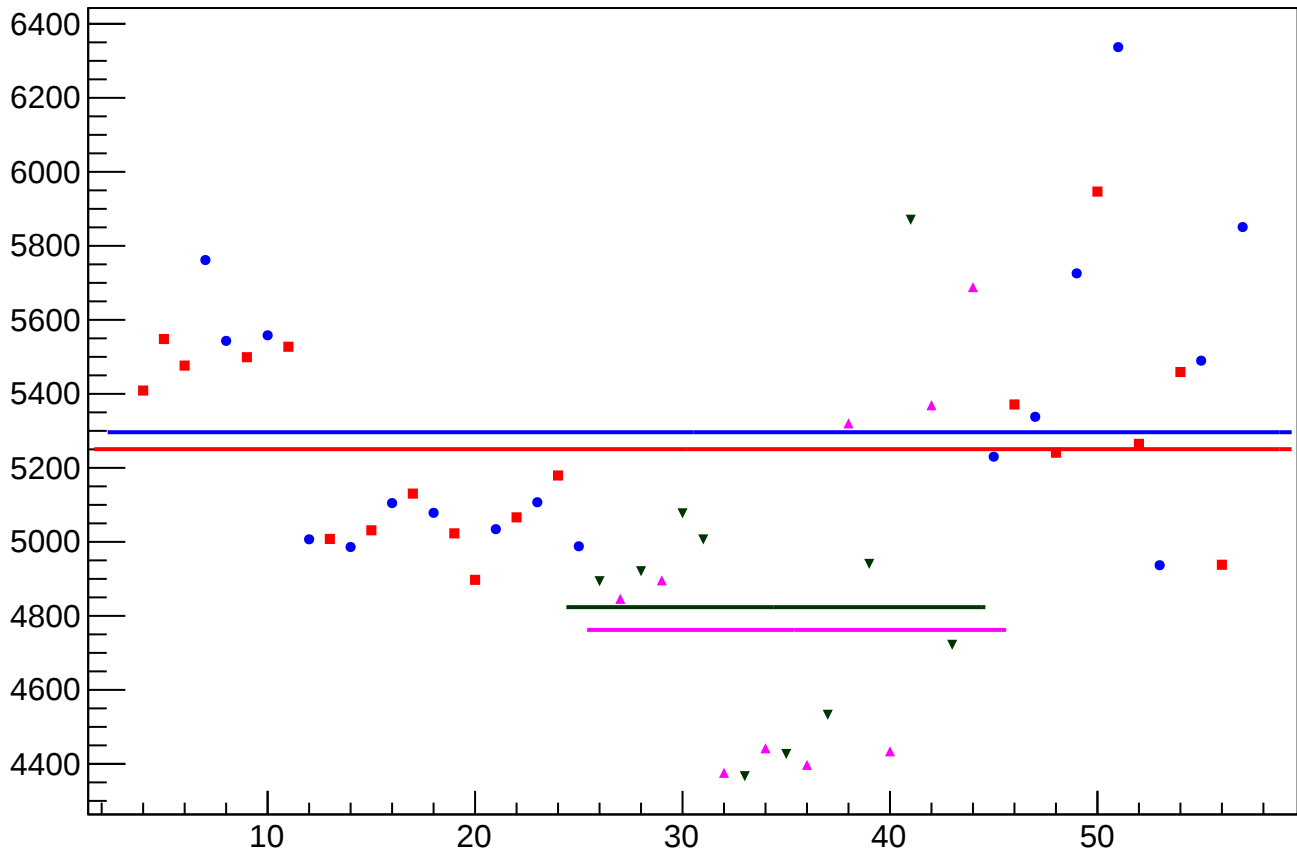
Right Out: 8.657 ± 1.709 $\chi^2/\text{NDF}: 59.7/17$

Left In: -5.574 ± 2.014 $\chi^2/\text{NDF}: 10.3/8$

-14.486 ± 1.292 $\chi^2/\text{NDF}: 323.4/26$

2.698 ± 1.303 $\chi^2/\text{NDF}: 99.0/26$

diff_bpm0l03X_rms vs slug



Right In: 5296.363+/-1.161 χ^2/NDF : 85339.3/16

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

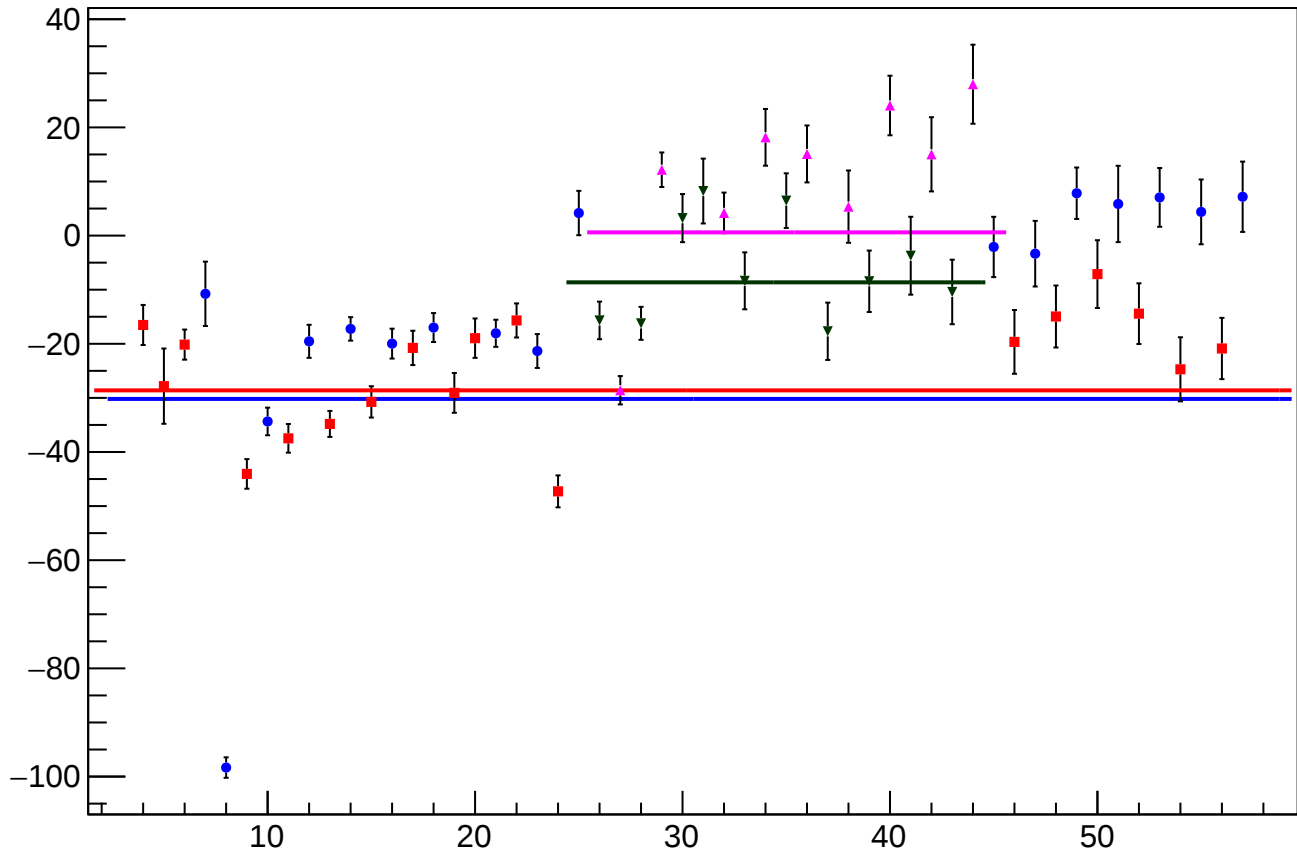
Right Out: 5250.551+/-1.209 χ^2/NDF : 44453.4/17

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

5116.004+/-0.913 χ^2/NDF : 214192.0/26

5046.038+/-0.921 χ^2/NDF : 197777.8/26

diff_bpm0l03Y_mean vs slug



Right In: -30.191 ± 0.795 χ^2/NDF : 1745.2/16

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

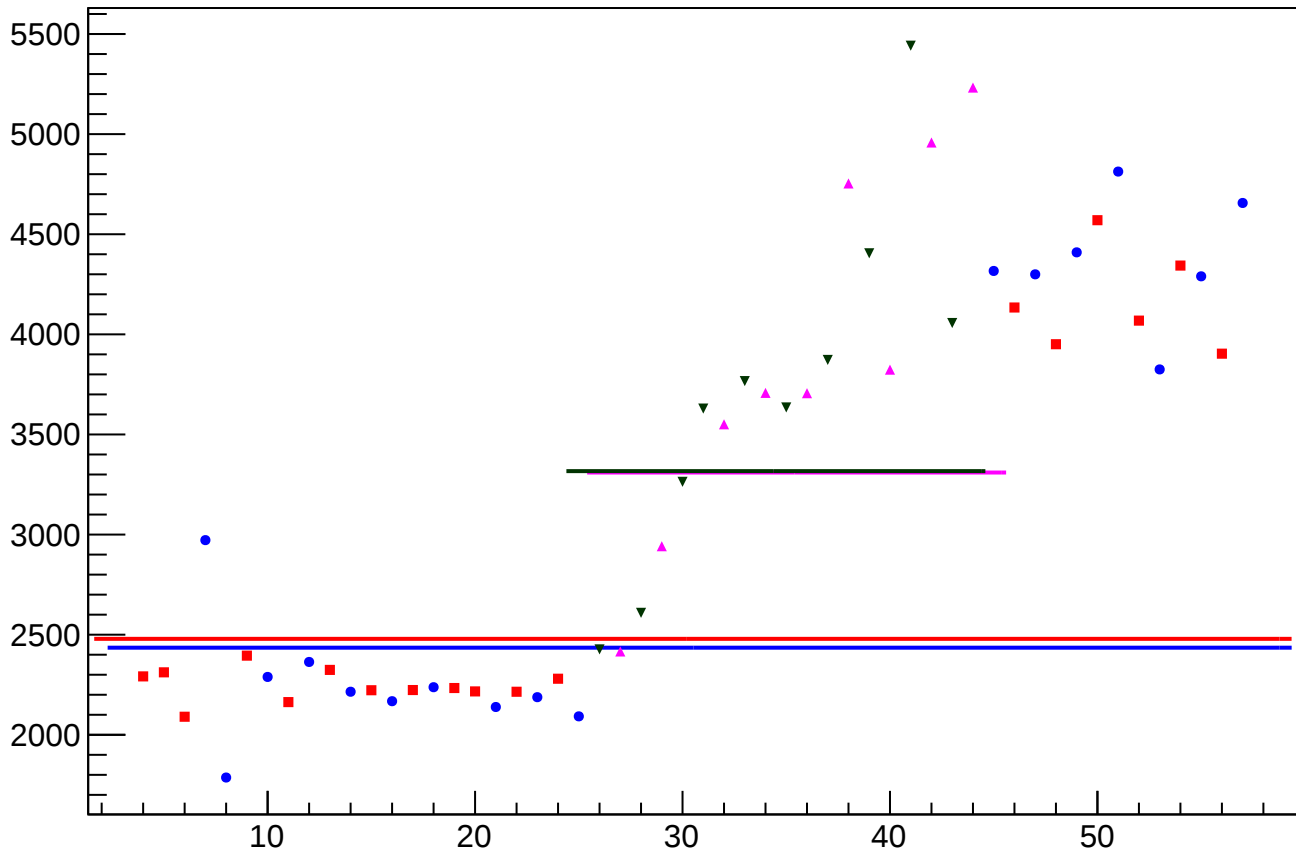
Right Out: -28.609 ± 0.836 χ^2/NDF : 168.6/17

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

-25.347 ± 0.700 χ^2/NDF : 1948.0/26

-21.246 ± 0.723 χ^2/NDF : 670.6/26

diff_bpm0l03Y_rms vs slug



Right In: 2435.103 $\pm$ 0.562 χ^2 /NDF: 1909347.6/16

Left Out: 3316.868 $\pm$ 1.044 χ^2 /NDF:568076.0/9

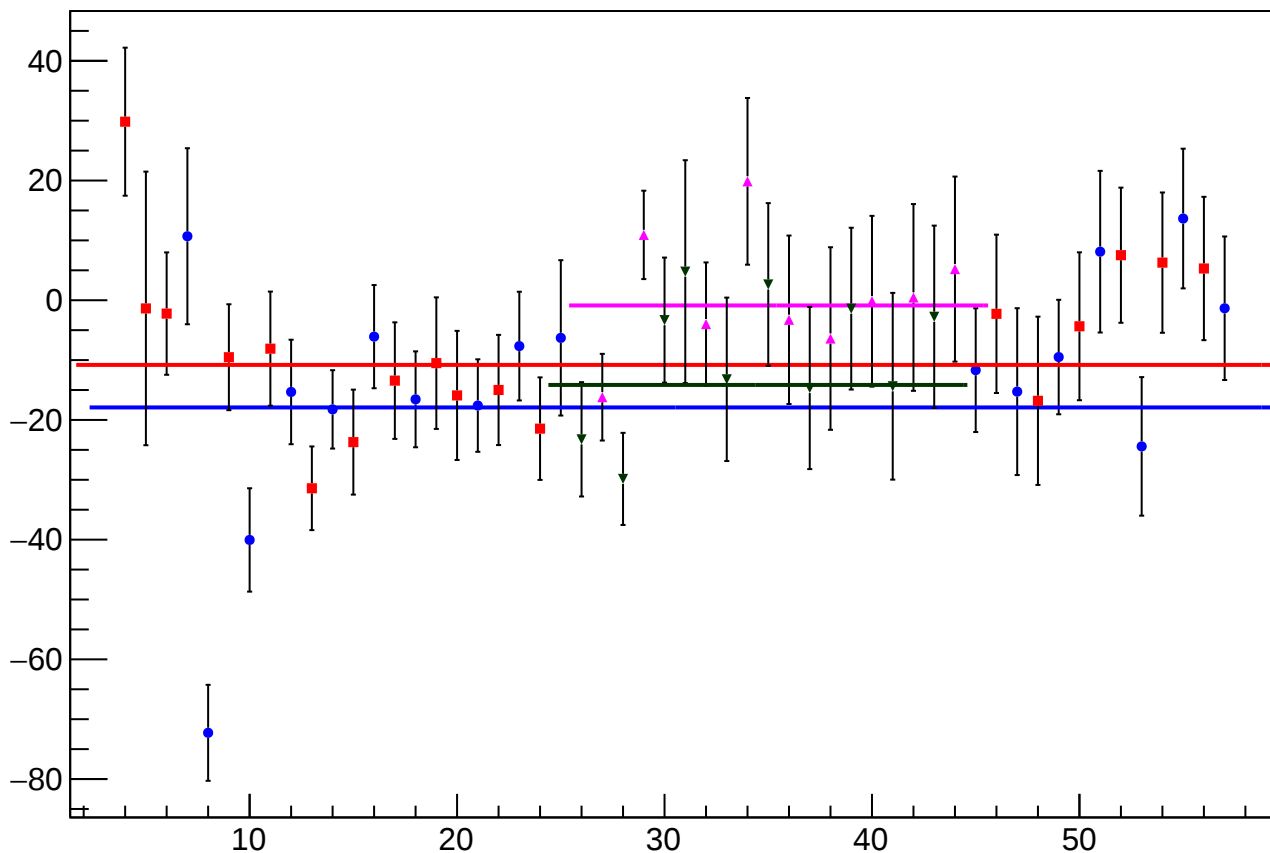
Right Out: 2479.265 $\pm$ 0.591 χ^2 /NDF: 1153231.9/17

Left In: 3309.905 $\pm$ 1.018 χ^2 /NDF:655131.6/8

2633.278 $\pm$ 0.495 χ^2 /NDF: 3029936.8/26

2688.643 $\pm$ 0.511 χ^2 /NDF: 2306292.3/26

diff_bpm0l04X_mean vs slug



Right In: -17.910 ± 2.315 χ^2/NDF : 74.8/16

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

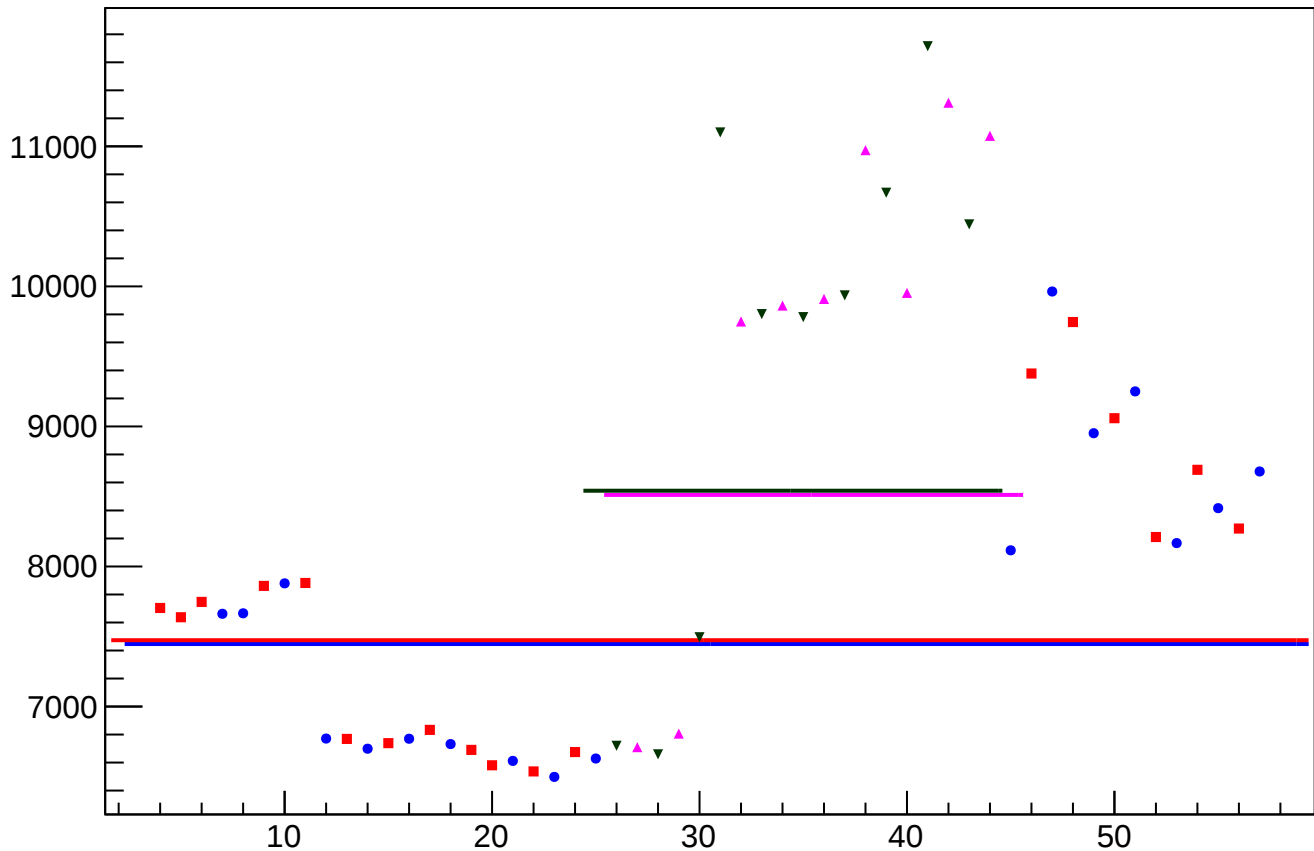
Right Out: -10.804 ± 2.443 χ^2/NDF : 32.1/17

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

-16.884 ± 1.974 χ^2/NDF : 85.7/26

-7.745 ± 2.032 χ^2/NDF : 46.9/26

diff_bpm0l04X_rms vs slug



Right In: 7446.347+/-1.637 χ^2/NDF : 327807.4/16

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

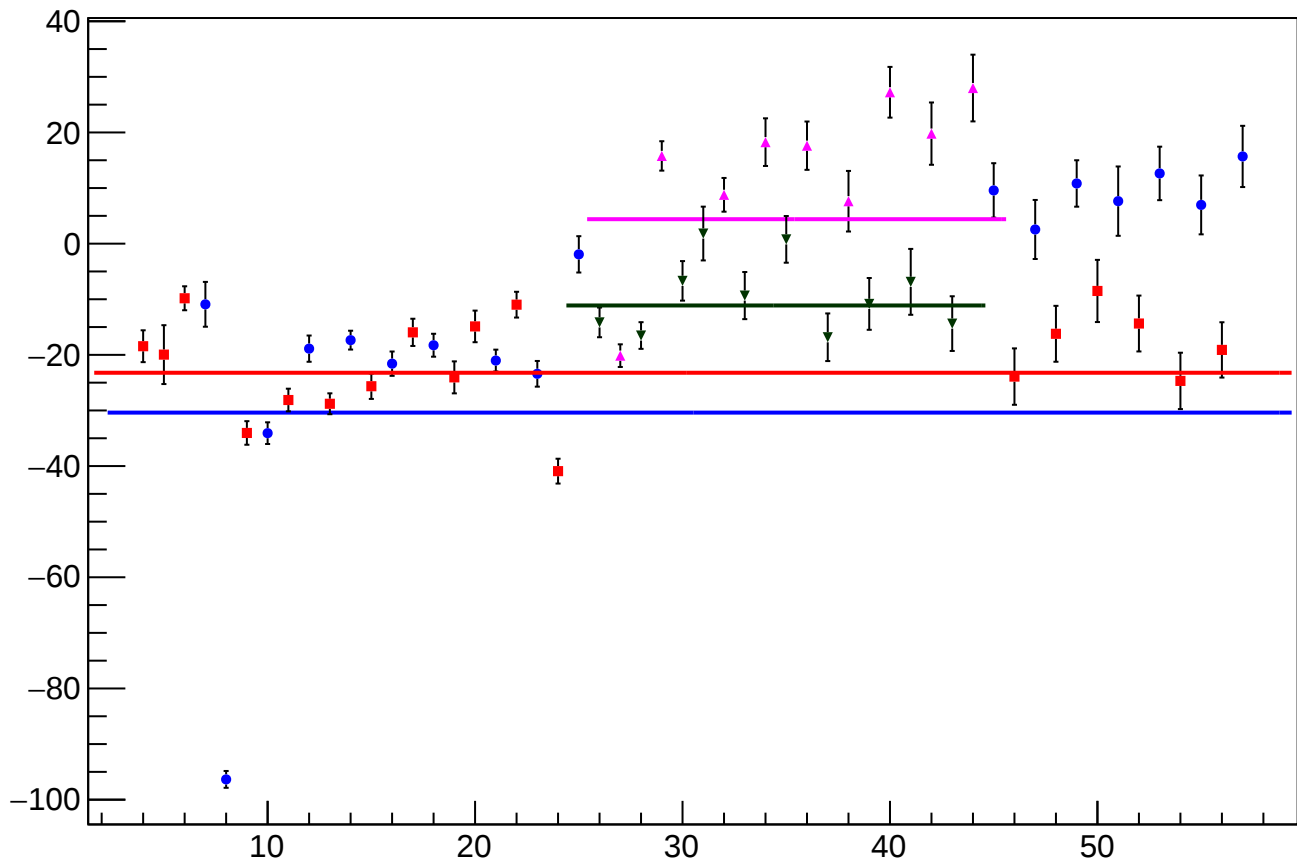
Right Out: 7473.657+/-1.728 χ^2/NDF : 280300.2/17

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

7745.089+/-1.396 χ^2/NDF : 918519.1/26

7793.145+/-1.437 χ^2/NDF : 881230.6/26

diff_bpm0l04Y_mean vs slug



Right In: -30.386+/-0.627 χ^2/NDF : 2608.8/16

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

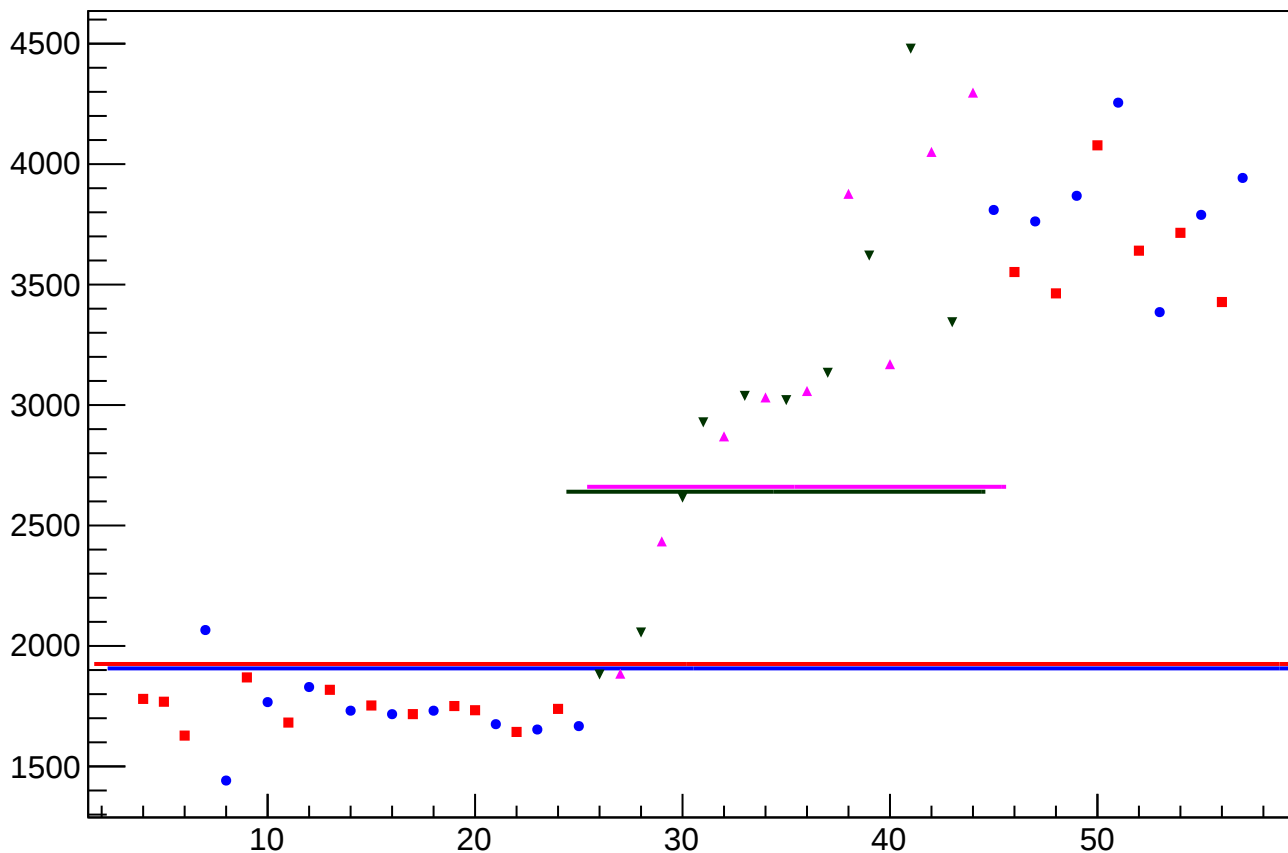
Right Out: -23.219+/-0.654 χ^2/NDF : 204.6/17

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

-26.147+/-0.553 χ^2/NDF : 2842.8/26

-16.572+/-0.570 χ^2/NDF : 867.7/26

diff_bpm0l04Y_rms vs slug



Right In: 1906.816+/-0.443 χ^2/NDF : 2305663.5/16

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

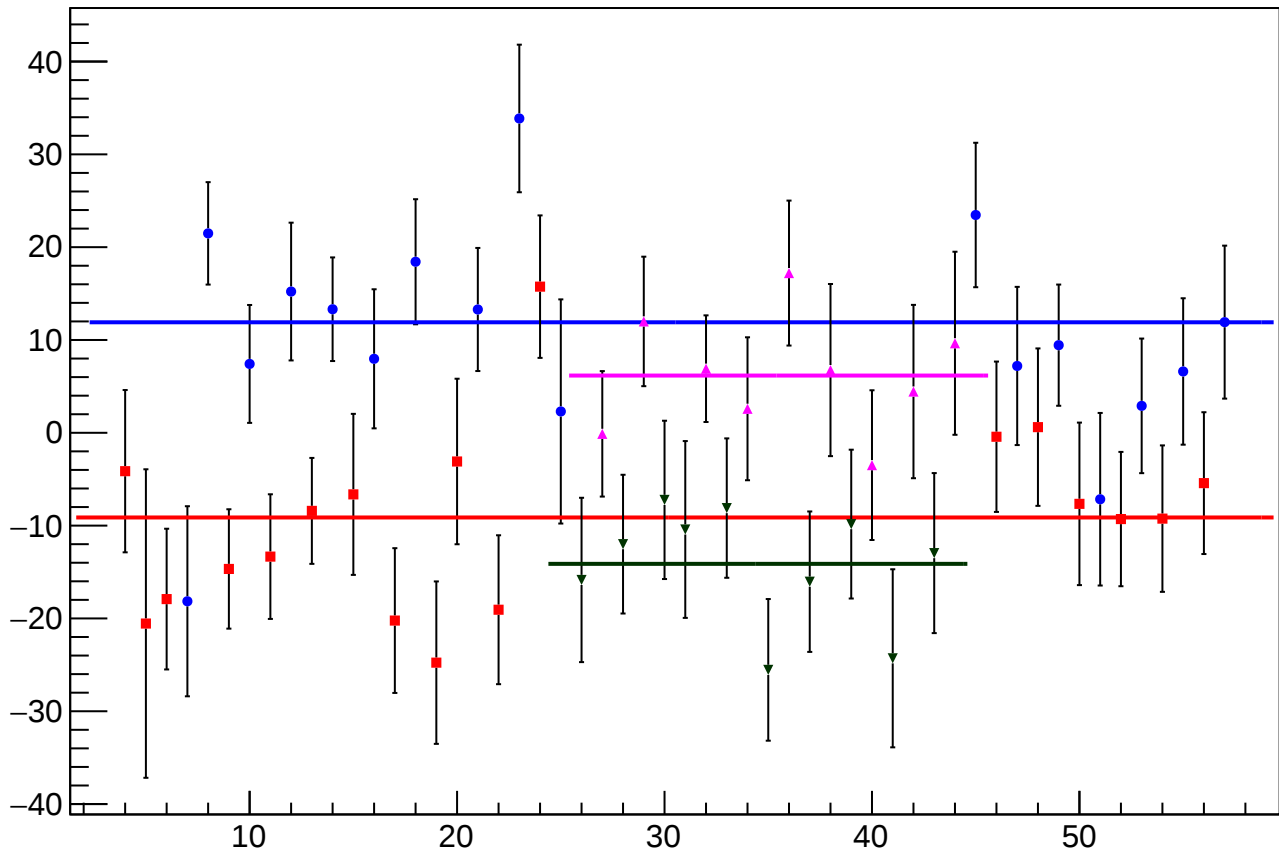
2068.165+/-0.391 χ^2/NDF : 3577804.1/26

Right Out: 1925.176+/-0.462 χ^2/NDF : 1521511.2/17

2102.174+/-0.403 χ^2/NDF : 2872611.1/26

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

diff_bpm0l05X_mean vs slug



Right In: 11.907 $\pm$ 1.774 χ^2 /NDF: 30.8/16

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

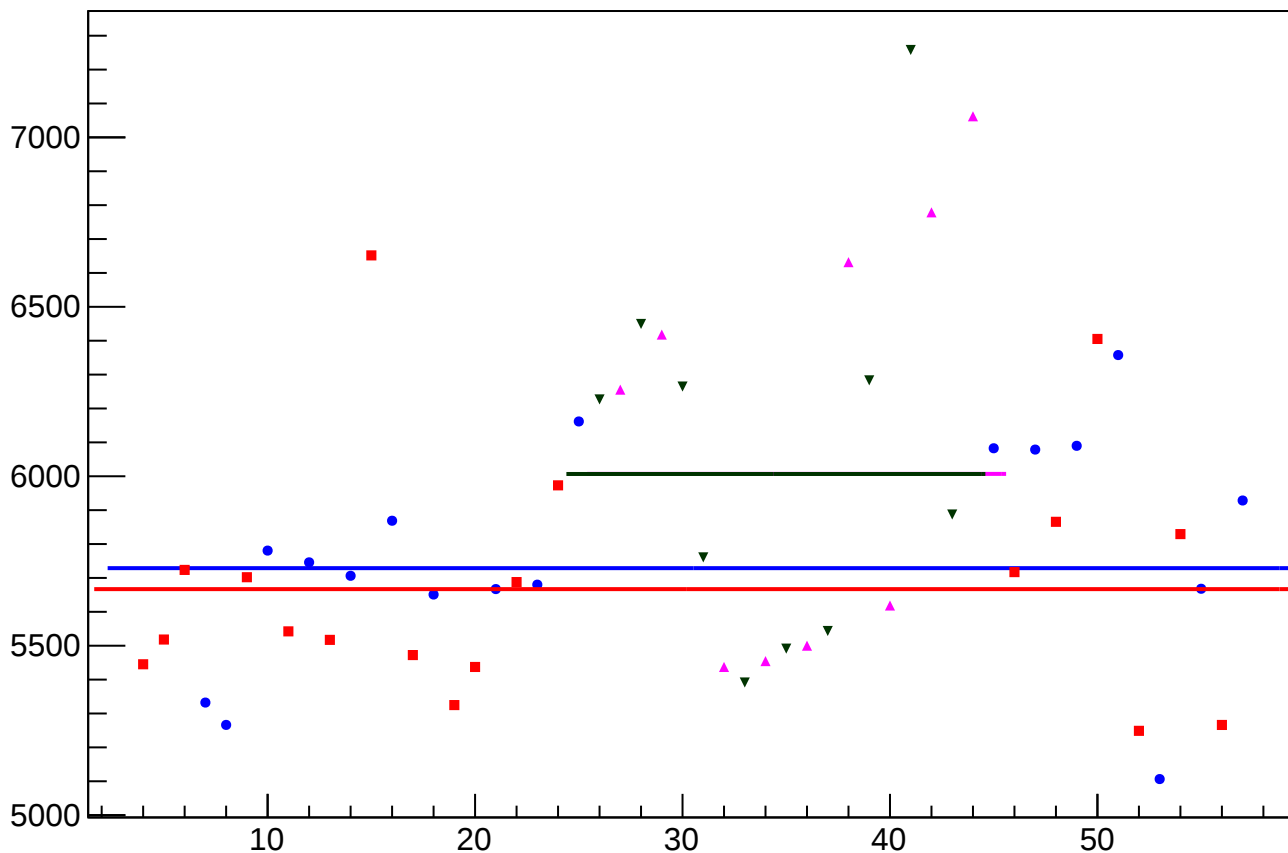
Right Out: -9.123 $\pm$ 1.846 χ^2 /NDF: 23.8/17

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

3.649 $\pm$ 1.466 χ^2 /NDF: 104.4/26

-3.845 $\pm$ 1.494 χ^2 /NDF: 52.9/26

diff_bpm0l05X_rms vs slug



Right In: 5728.855+/-1.254 χ^2/NDF : 59806.8/16

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

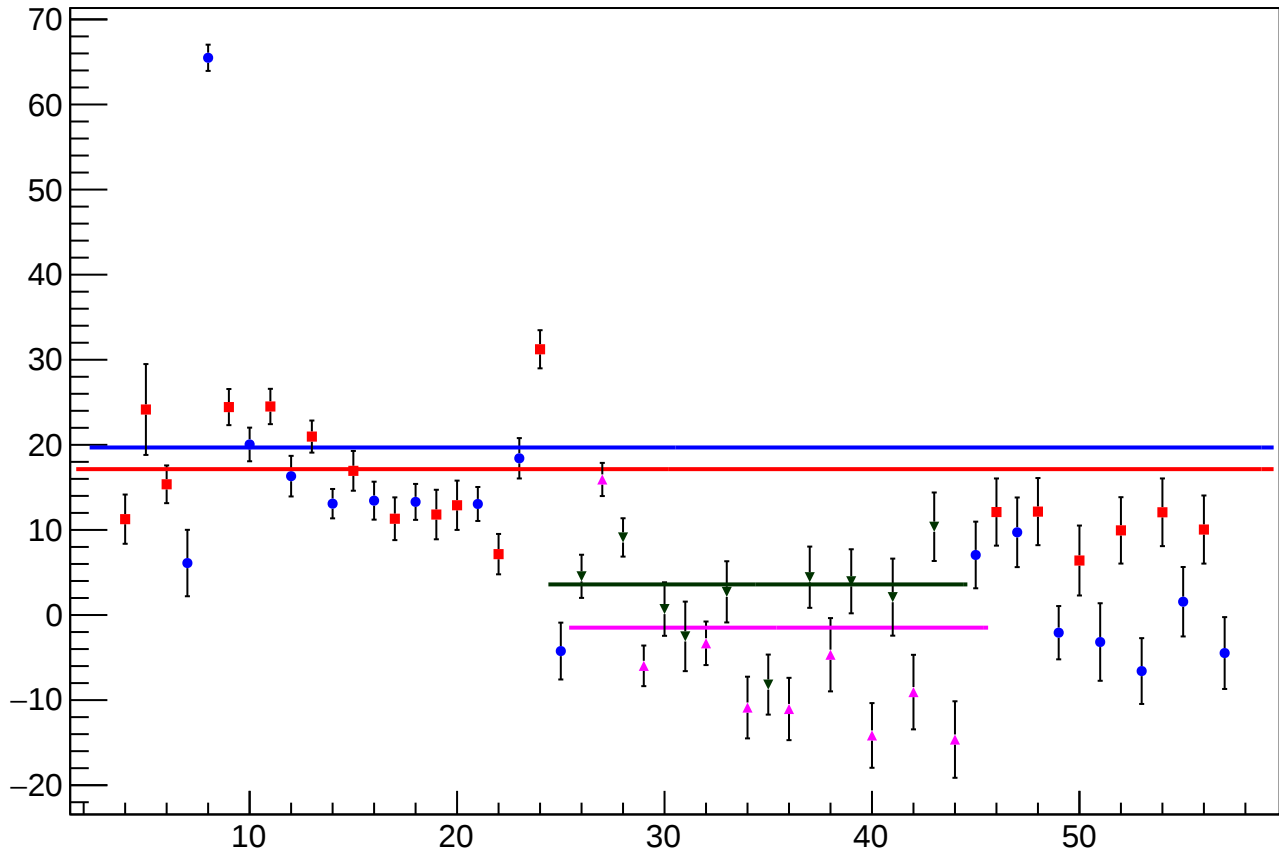
Right Out: 5666.971+/-1.305 χ^2/NDF : 66711.3/17

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

5817.025+/-1.036 χ^2/NDF : 153630.3/26

5784.349+/-1.056 χ^2/NDF : 188452.8/26

diff_bpm0l05Y_mean vs slug



Right In: 19.690 $\pm$ 0.614 χ^2 /NDF: 1179.6/16

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

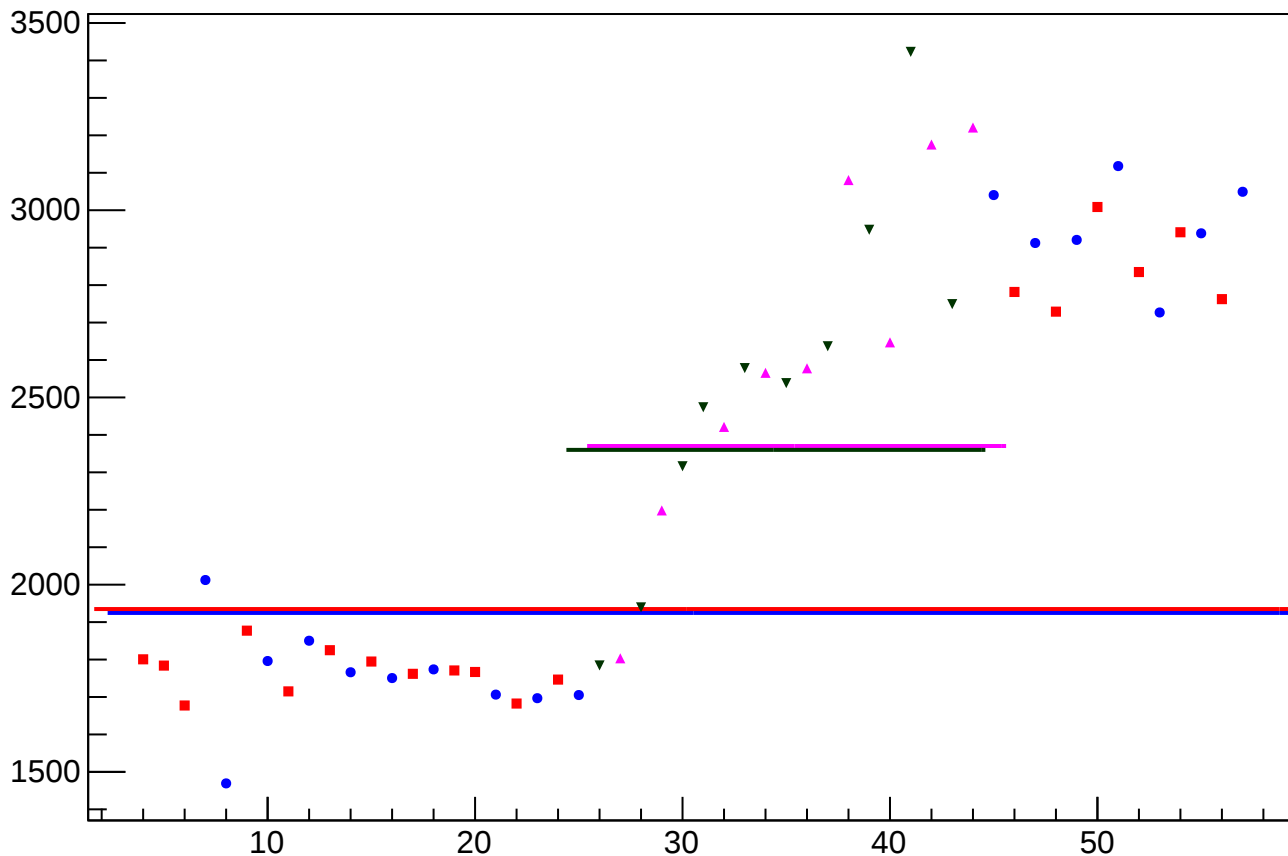
Right Out: 17.144 $\pm$ 0.642 χ^2 /NDF: 121.3/17

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

15.517 $\pm$ 0.528 χ^2 /NDF: 1381.3/26

11.837 $\pm$ 0.543 χ^2 /NDF: 482.0/26

diff_bpm0l05Y_rms vs slug



Right In: 1924.533 $\pm$ 0.434 χ^2 /NDF: 1246011.6/16

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

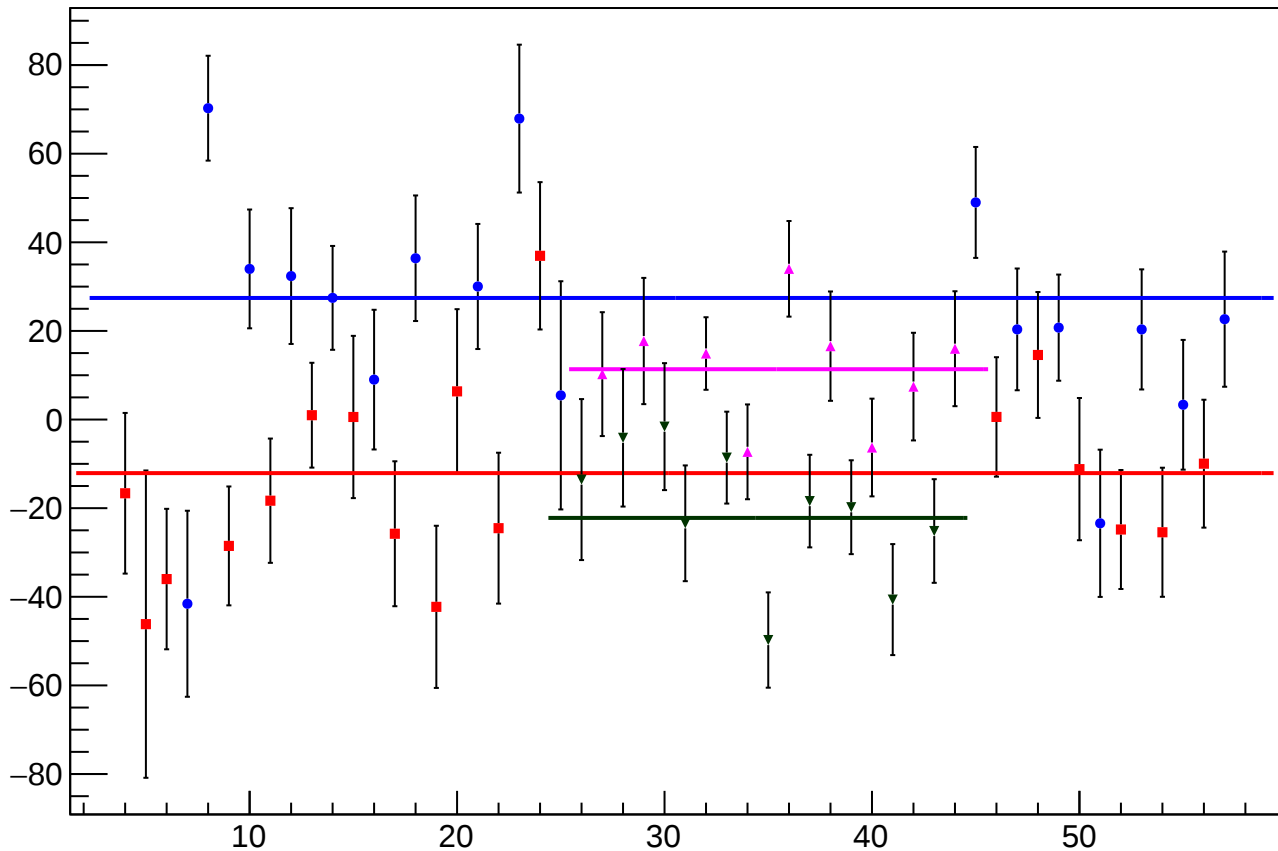
Right Out: 1934.914 $\pm$ 0.454 χ^2 /NDF: 759677.5/17

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

2037.444 $\pm$ 0.373 χ^2 /NDF: 1883749.0/26

2058.952 $\pm$ 0.384 χ^2 /NDF: 1418837.7/26

diff_bpm0l06X_mean vs slug



Right In: 27.440 ± 3.485 $\chi^2/\text{NDF}: 48.7/16$

Left Out: -22.199 ± 3.845 $\chi^2/\text{NDF}: 14.4/9$

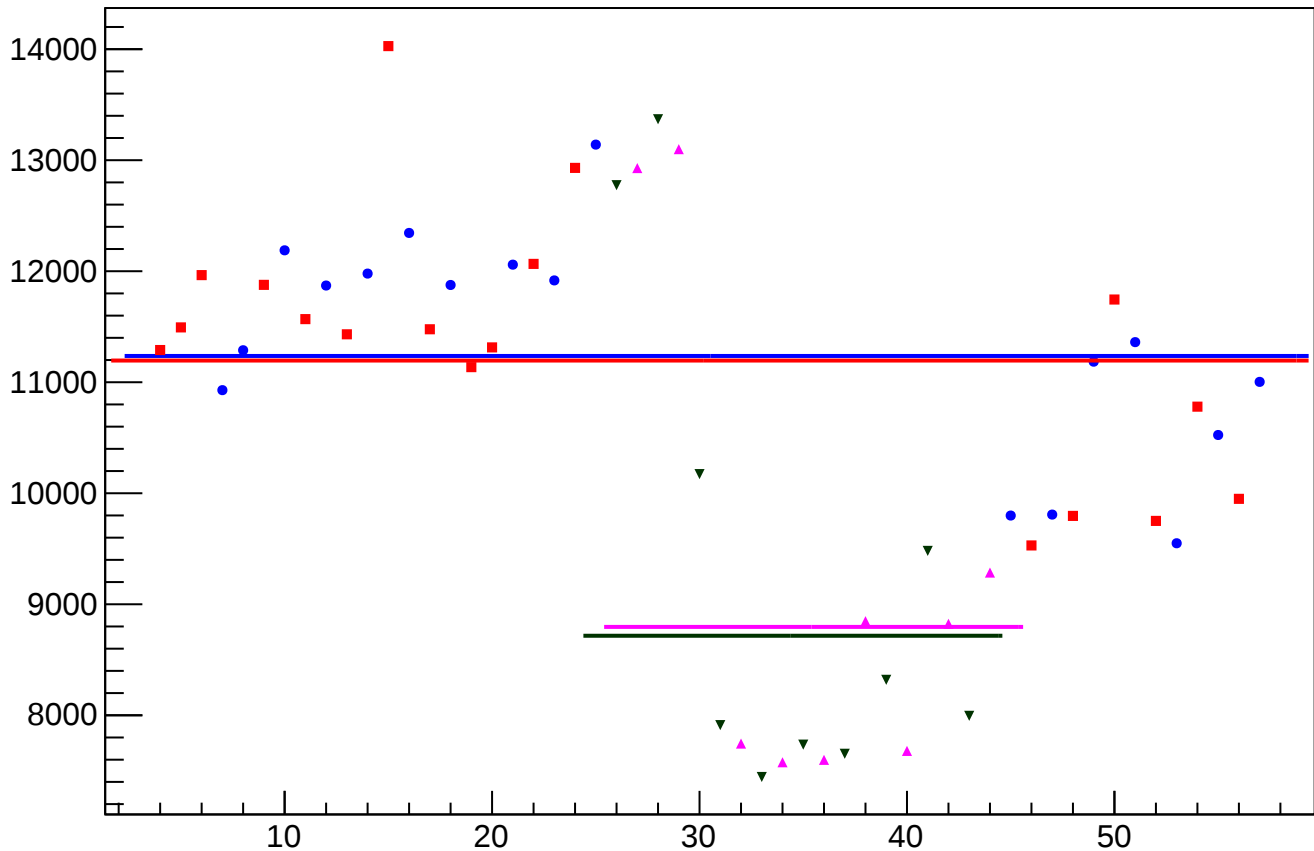
Right Out: -12.090 ± 3.658 $\chi^2/\text{NDF}: 26.5/17$

Left In: 11.359 ± 3.785 $\chi^2/\text{NDF}: 10.8/8$

5.052 ± 2.583 $\chi^2/\text{NDF}: 154.5/26$

-0.764 ± 2.630 $\chi^2/\text{NDF}: 57.2/26$

diff_bpm0l06X_rms vs slug



Right In: 11236.656+/-2.465 χ^2/NDF : 141320.7/16

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

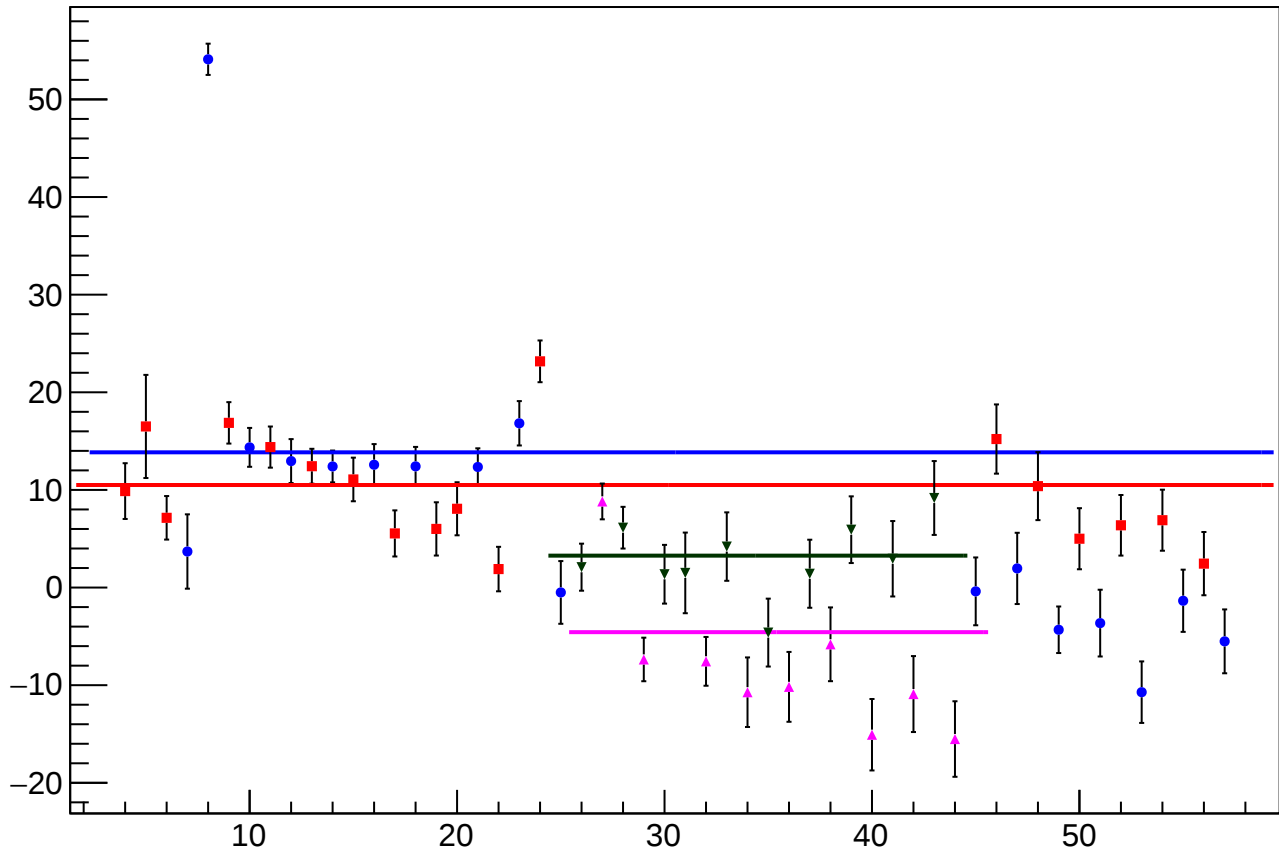
10100.008+/-1.826 χ^2/NDF : 1006043.1/26

Right Out: 11195.452+/-2.587 χ^2/NDF : 179832.3/17

10036.585+/-1.860 χ^2/NDF : 1059703.7/26

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

diff_bpm0l06Y_mean vs slug



Right In: 13.851 ± 0.574 $\chi^2/\text{NDF}: 894.4/16$

Left Out: 3.269 ± 0.986 $\chi^2/\text{NDF}: 11.2/9$

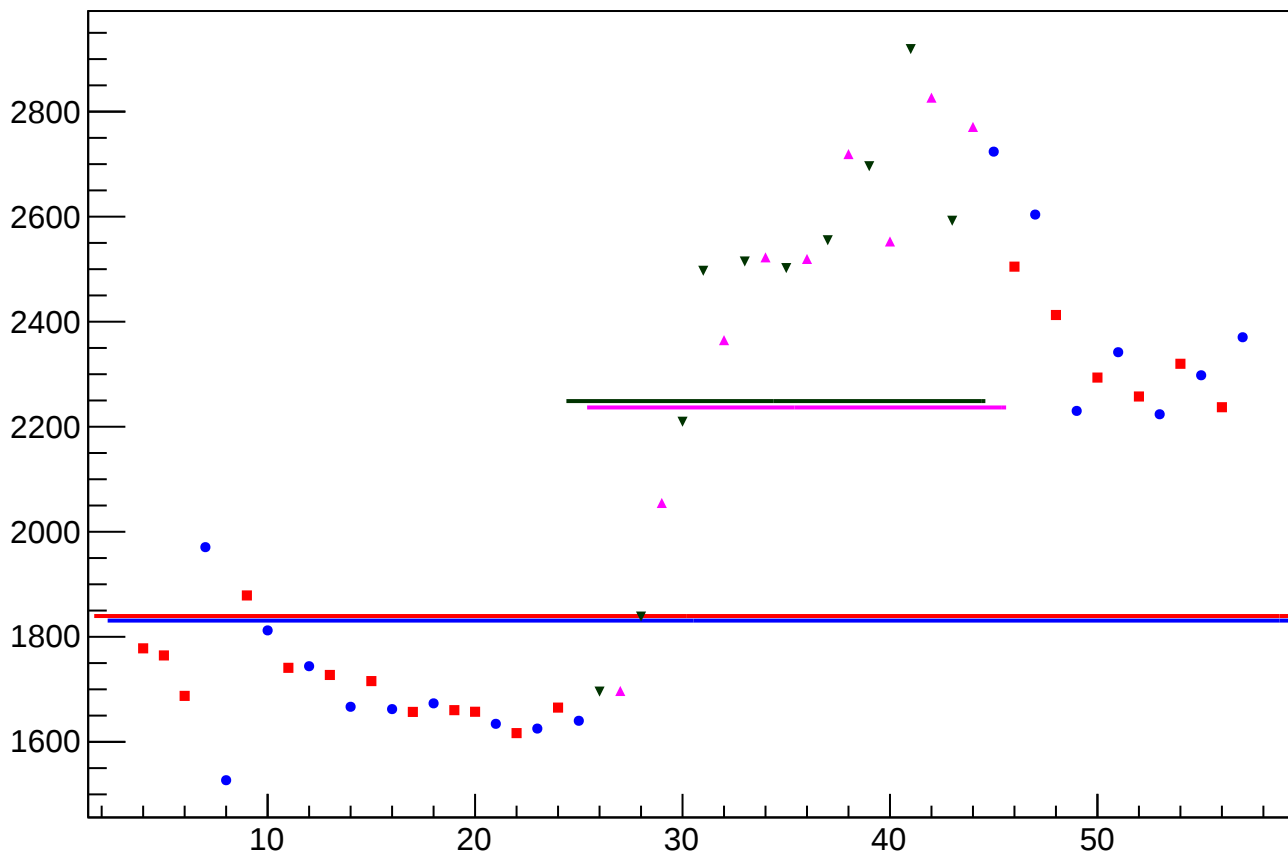
Right Out: 10.503 ± 0.603 $\chi^2/\text{NDF}: 88.7/17$

Left In: -4.569 ± 0.956 $\chi^2/\text{NDF}: 80.8/8$

11.172 ± 0.496 $\chi^2/\text{NDF}: 991.7/26$

6.214 ± 0.510 $\chi^2/\text{NDF}: 347.2/26$

diff_bpm0l06Y_rms vs slug



Right In: 1830.906+/-0.406 χ^2/NDF : 619277.5/16

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

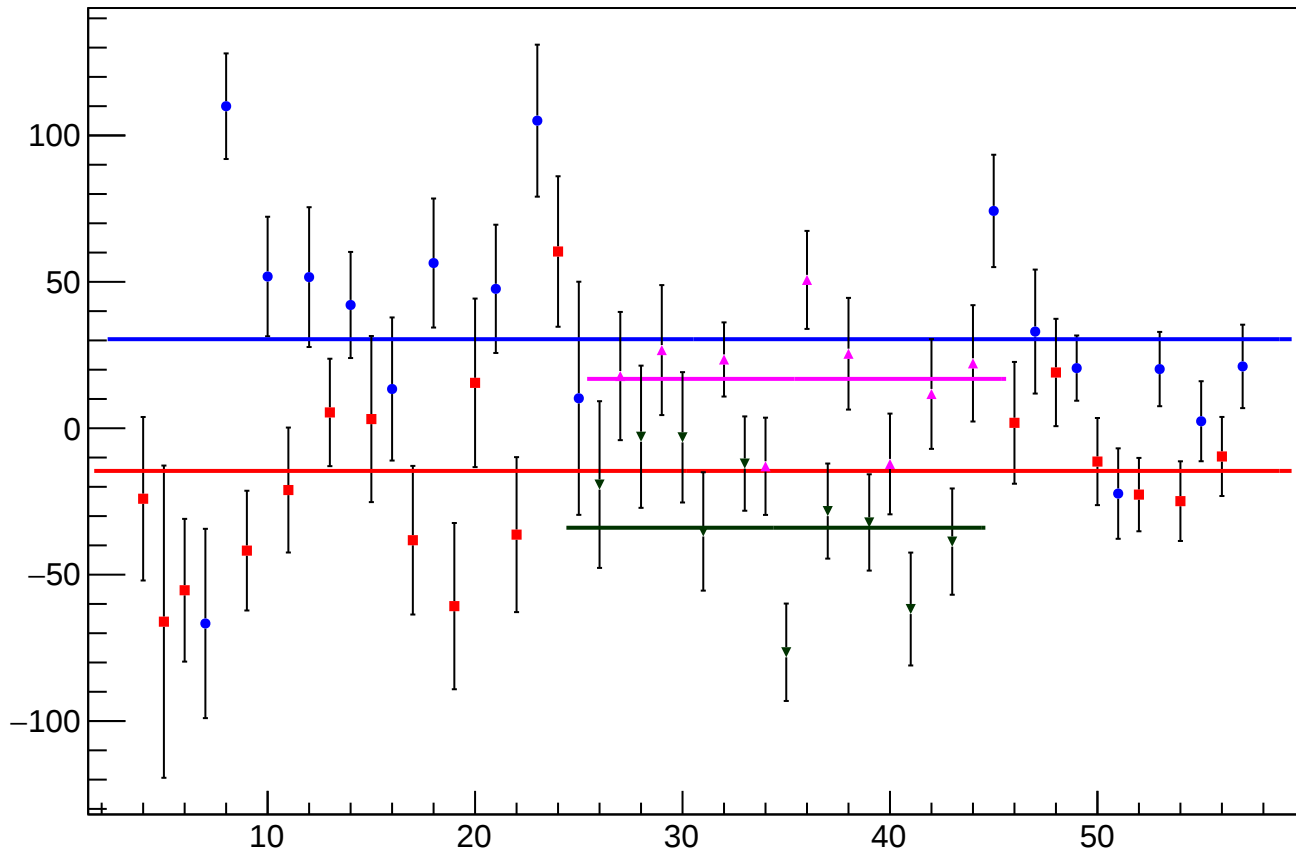
Right Out: 1839.593+/-0.427 χ^2/NDF : 372183.8/17

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

1936.712+/-0.351 χ^2/NDF : 1223178.9/26

1952.612+/-0.361 χ^2/NDF : 967893.9/26

diff_bpm0l07X_mean vs slug



Right In: 30.417+/-4.350 χ^2/NDF : 64.8/16

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

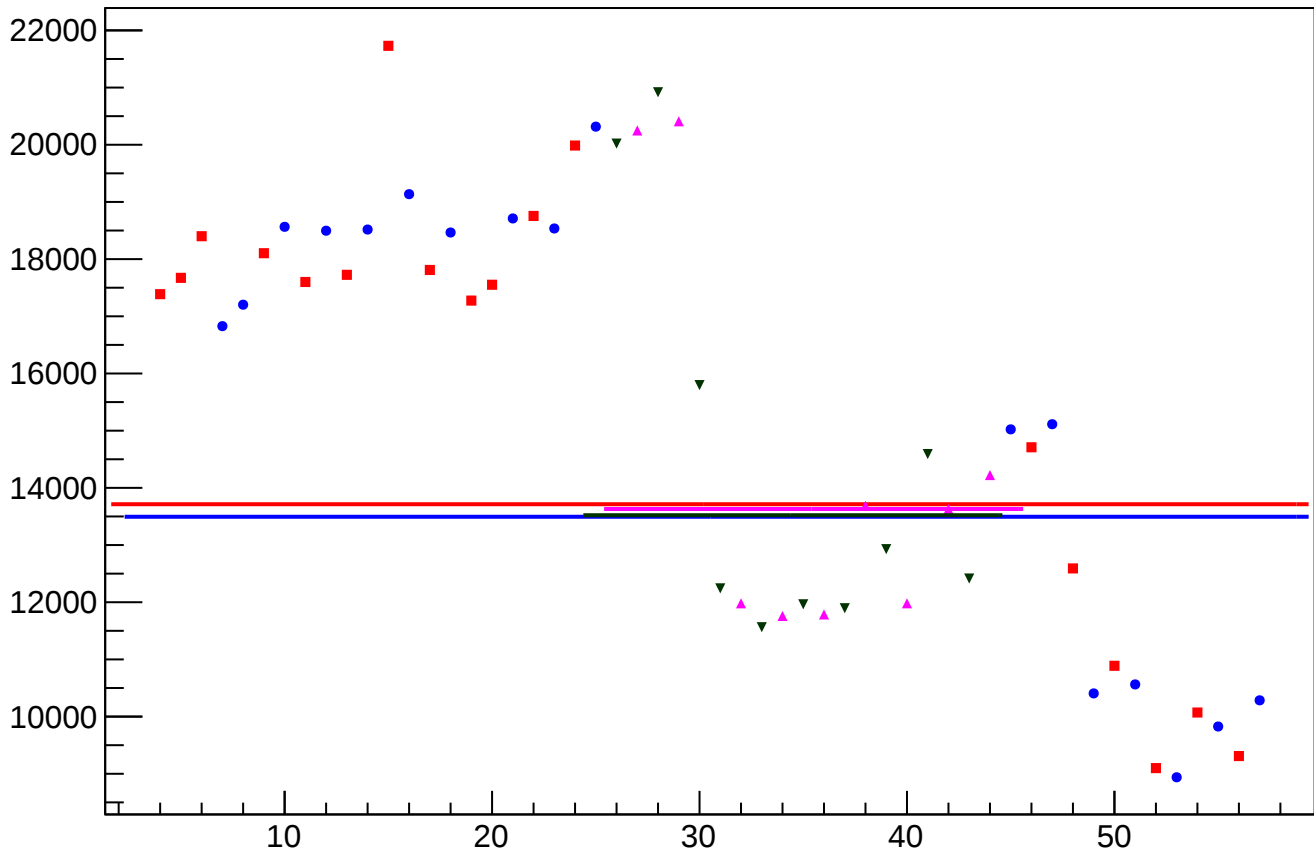
Right Out: -14.571+/-4.656 χ^2/NDF : 26.2/17

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

8.077+/-3.515 χ^2/NDF : 155.3/26

-2.424+/-3.647 χ^2/NDF : 54.8/26

diff_bpm0l07X_rms vs slug



Right In: 13494.765+/-3.076 χ^2/NDF : 1680415.9/16

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

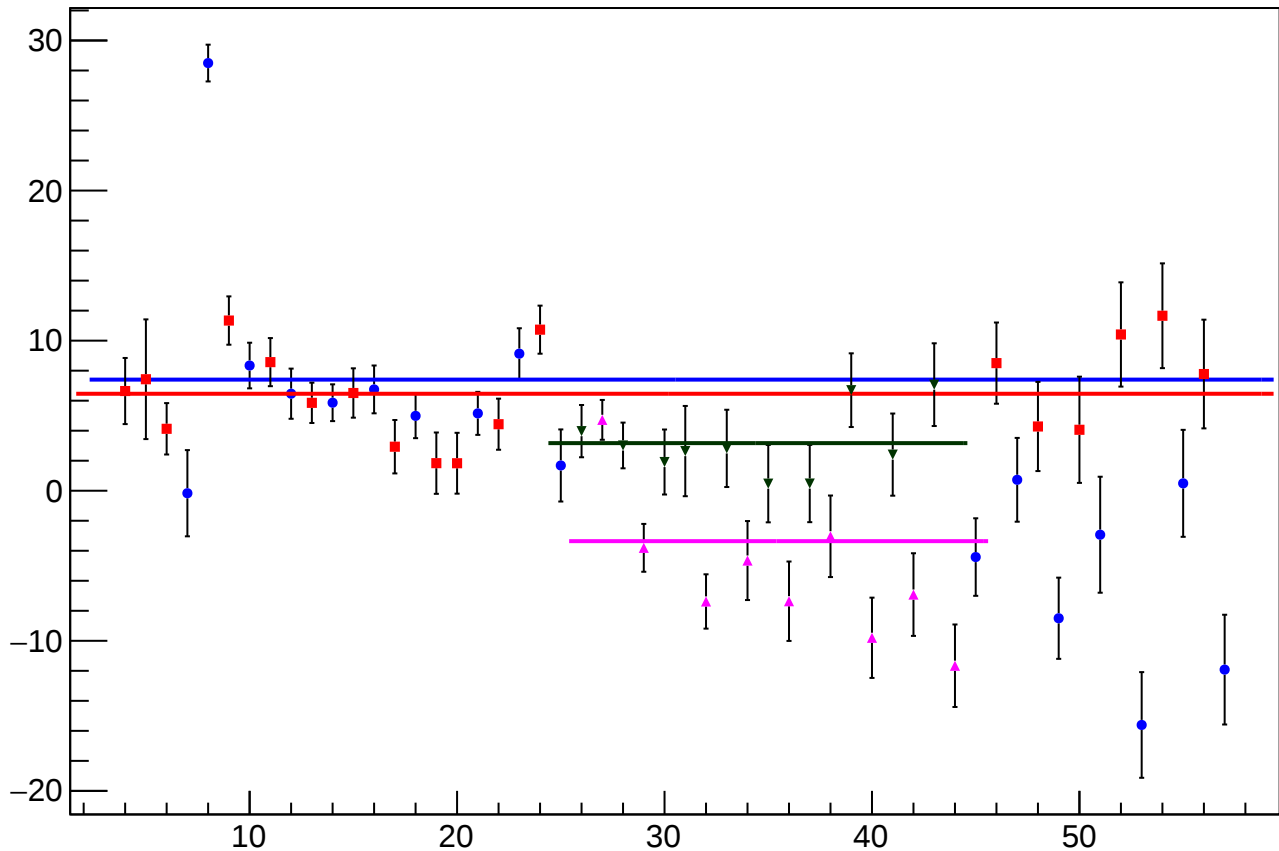
13504.063+/-2.485 χ^2/NDF : 2082492.7/26

Right Out: 13713.871+/-3.292 χ^2/NDF : 1555986.2/17

13681.593+/-2.579 χ^2/NDF : 2029450.3/26

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

diff_bpm0l07Y_mean vs slug



Right In: 7.404 ± 0.456 $\chi^2/\text{NDF}: 460.3/16$

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

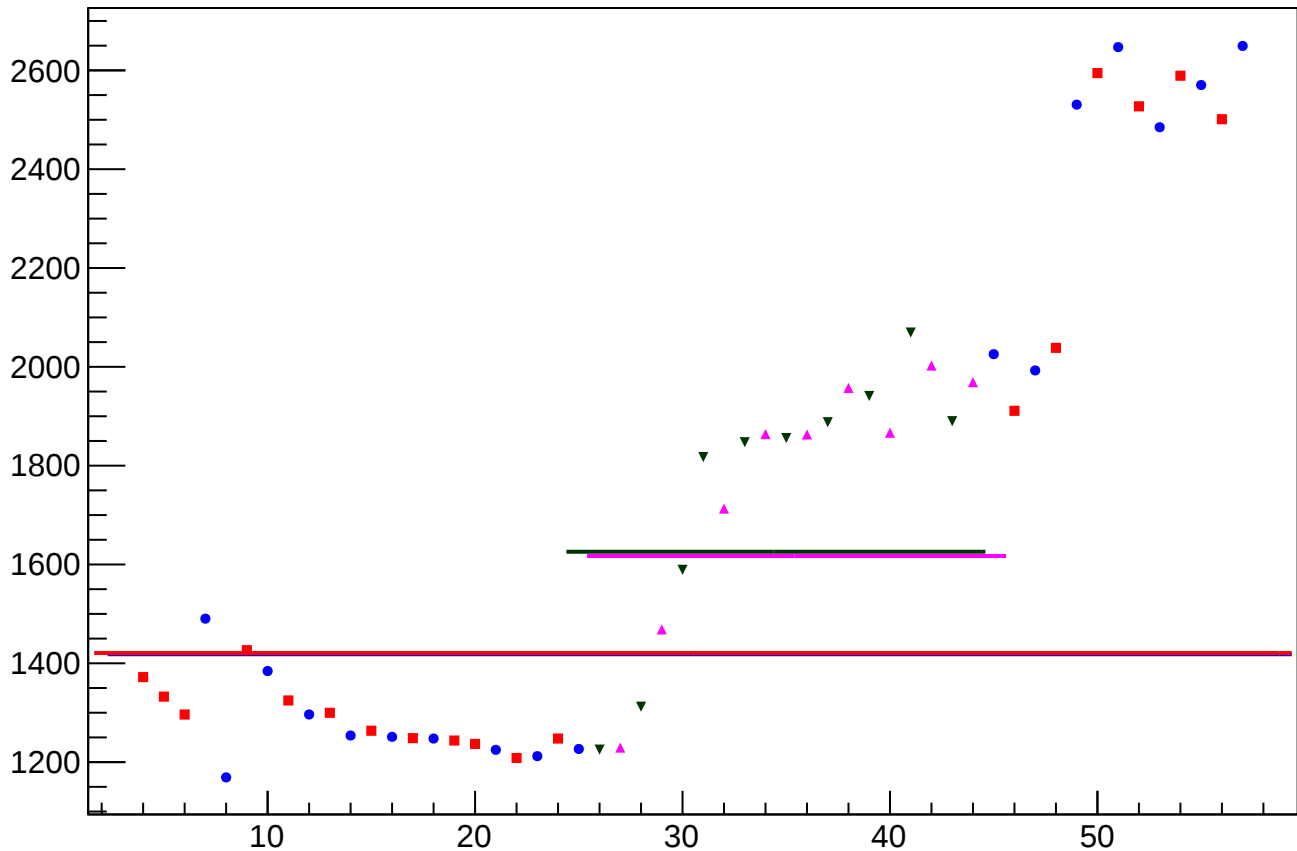
Right Out: 6.461 ± 0.476 $\chi^2/\text{NDF}: 41.1/17$

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

6.176 ± 0.384 $\chi^2/\text{NDF}: 492.2/26$

3.303 ± 0.392 $\chi^2/\text{NDF}: 239.2/26$

diff_bpm0l07Y_rms vs slug



Right In: 1418.368+/-0.322 χ^2/NDF : 1613524.2/16

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

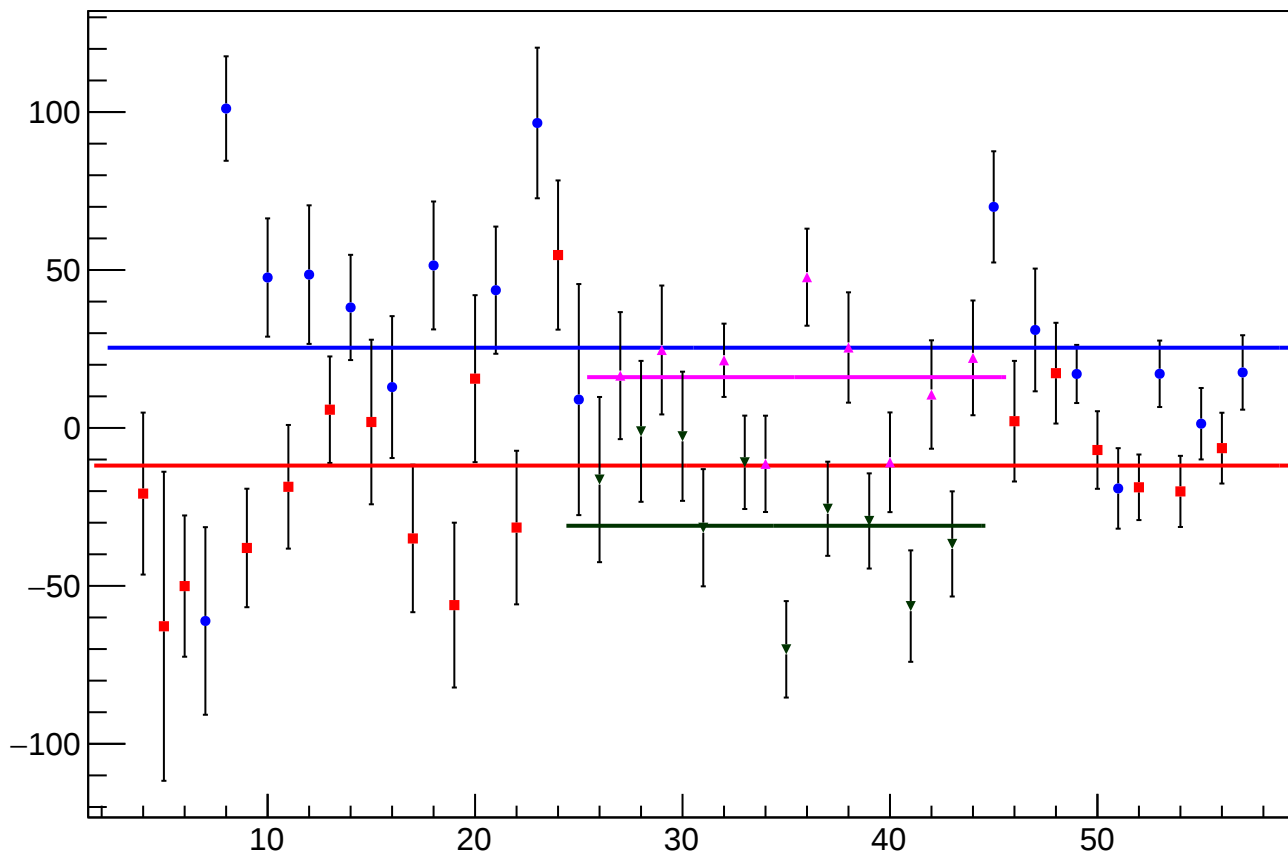
1478.535+/-0.271 χ^2/NDF : 2088368.2/26

Right Out: 1420.776+/-0.337 χ^2/NDF : 1136062.0/17

1483.934+/-0.277 χ^2/NDF : 1594758.6/26

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

diff_bpm0l08X_mean vs slug



Right In: 25.397 ± 3.763 χ^2/NDF : 69.6/16

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

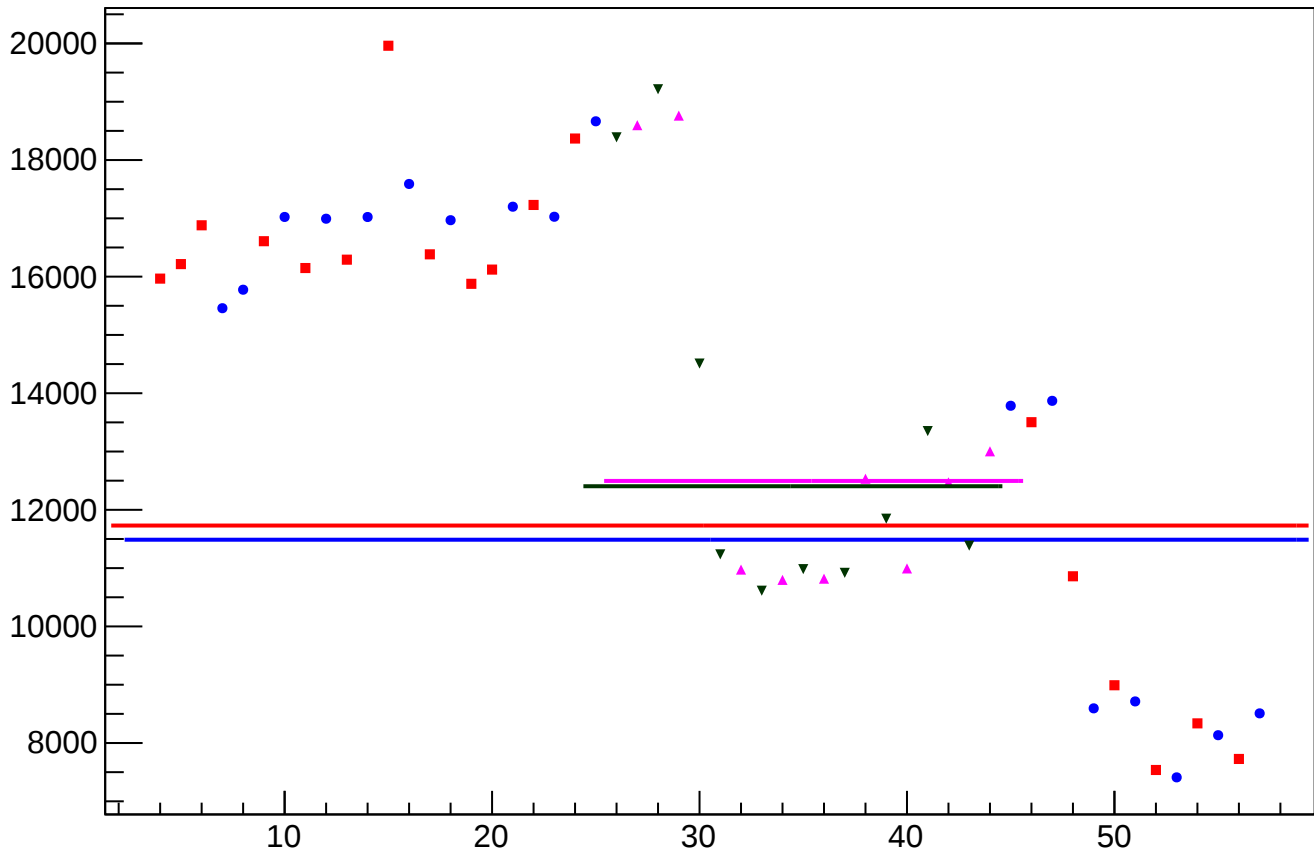
Right Out: -11.912 ± 4.047 χ^2/NDF : 26.4/17

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

7.313 ± 3.101 χ^2/NDF : 156.3/26

-1.793 ± 3.234 χ^2/NDF : 54.9/26

diff_bpm0l08X_rms vs slug



Right In: 11487.249 $\pm$ 2.661 χ^2 /NDF: 2292963.8/16

Left Out: 12404.651 $\pm$ 3.871 χ^2 /NDF: 402870.2/9

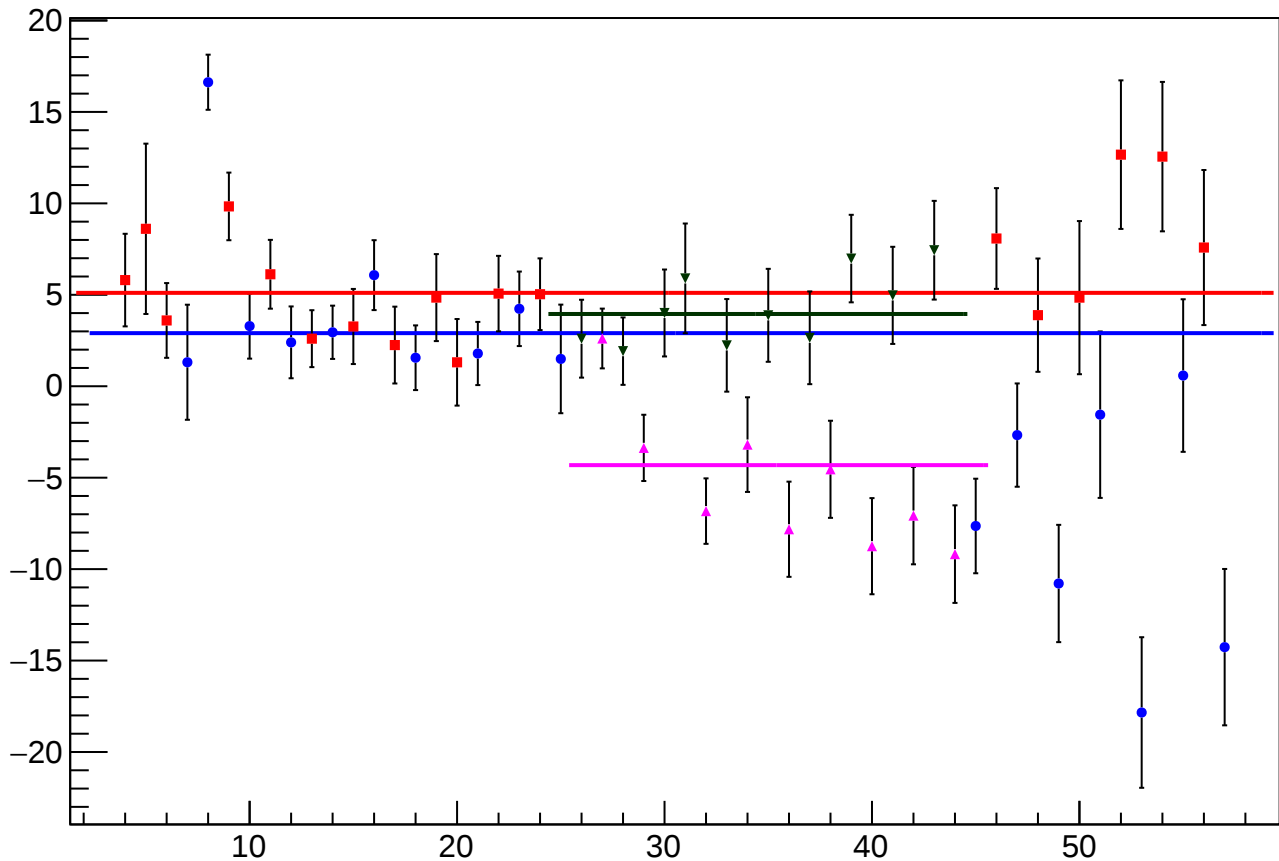
11781.577 $\pm$ 2.193 χ^2 /NDF: 2733977.8/26

Right Out: 11730.373 $\pm$ 2.862 χ^2 /NDF: 2092172.6/17

12007.063 $\pm$ 2.287 χ^2 /NDF: 2593534.8/26

Left In: 12495.729 $\pm$ 3.803 χ^2 /NDF: 475508.8/8

diff_bpm0l08Y_mean vs slug



Right In: 2.904 ± 0.537 χ^2/NDF : 169.2/16

Left Out: 3.252 ± 0.439 χ^2/NDF : 176.6/26

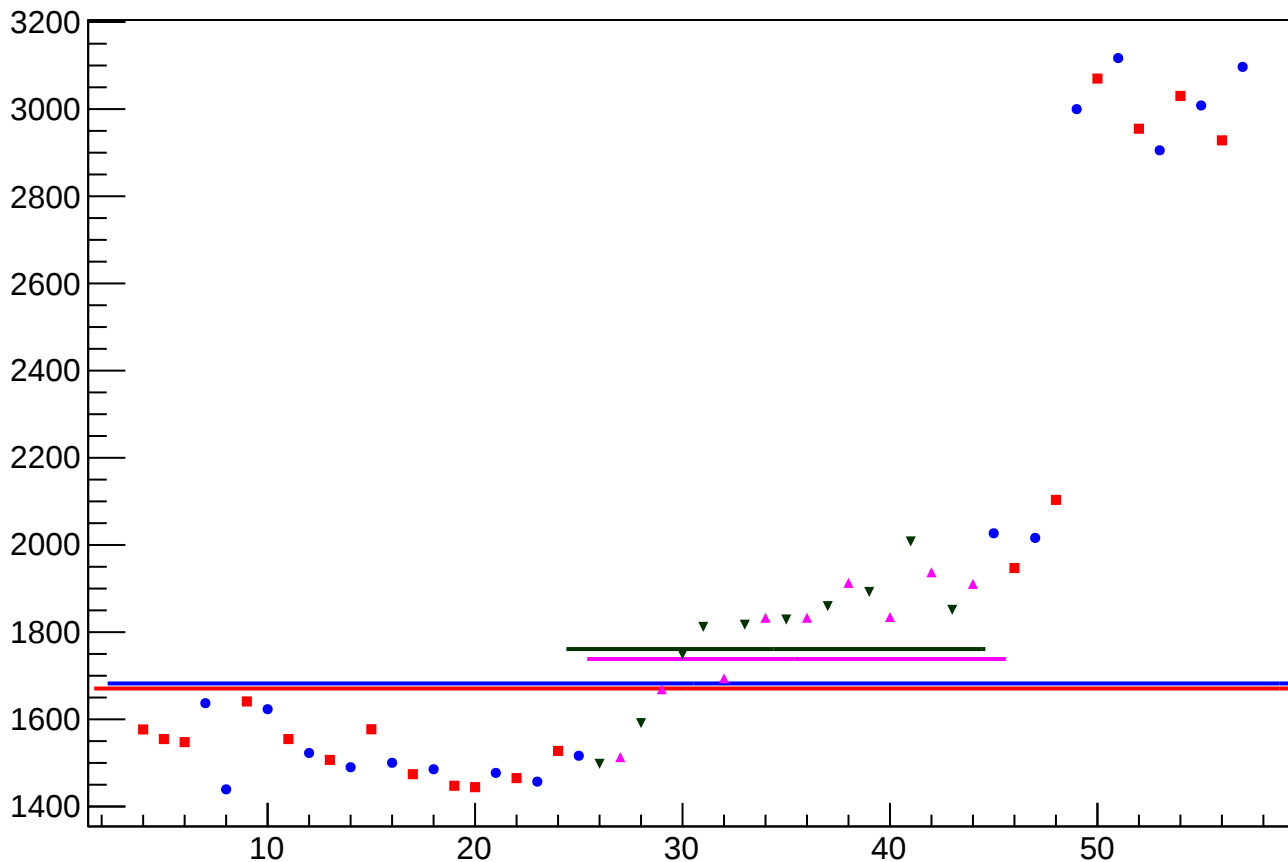
Right Out: 5.107 ± 0.558 χ^2/NDF : 24.3/17

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

3.252 $\pm$ 0.439 χ^2/NDF : 176.6/26

1.656 $\pm$ 0.444 χ^2/NDF : 158.2/26

diff_bpm0l08Y_rms vs slug



Right In: 1682.279 ± 0.380 χ^2/NDF : 1401872.4/16

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

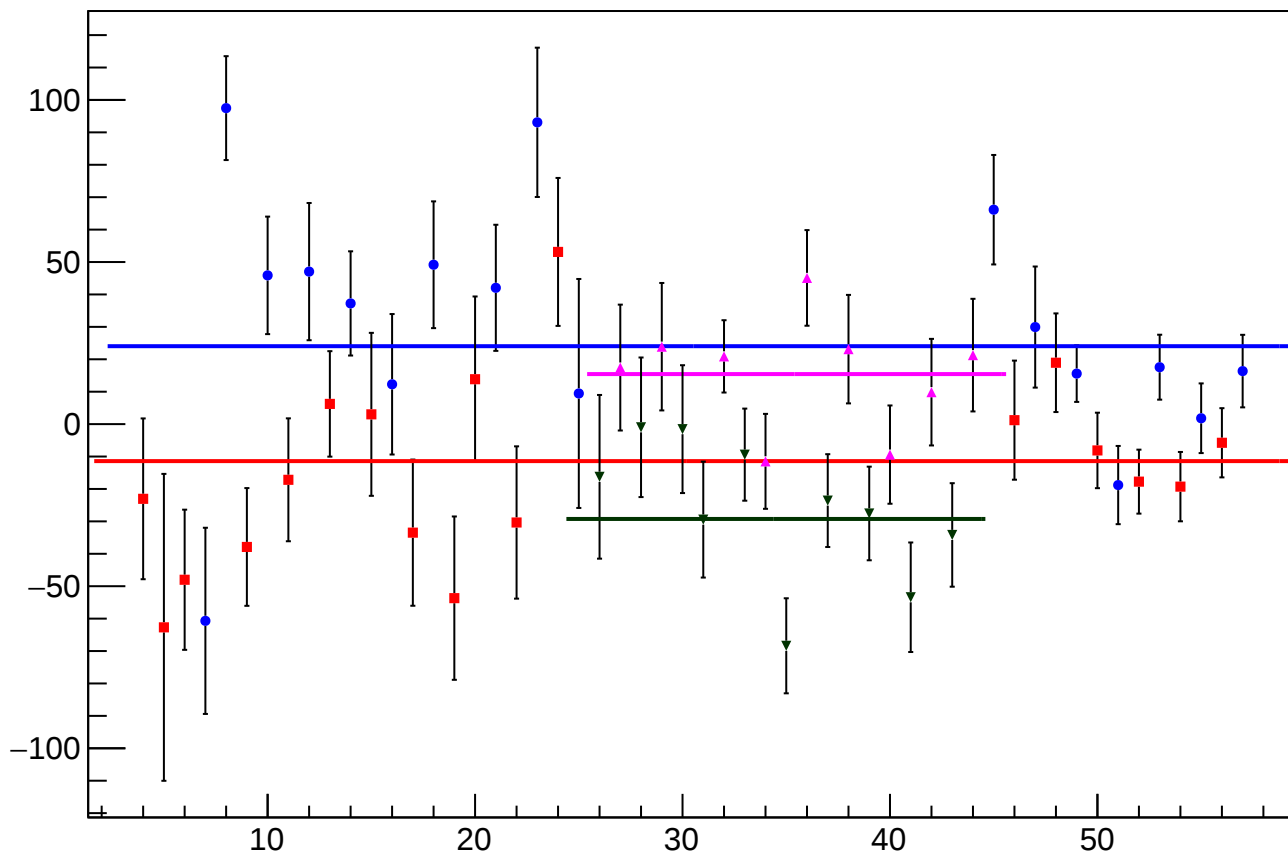
Right Out: 1670.731 ± 0.395 χ^2/NDF : 1009397.1/17

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

1708.528 ± 0.311 χ^2/NDF : 1495369.3/26

1695.491 ± 0.314 χ^2/NDF : 1098483.1/26

diff_bpm0l09X_mean vs slug



Right In: 24.039+/-3.596 χ^2/NDF : 70.0/16

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

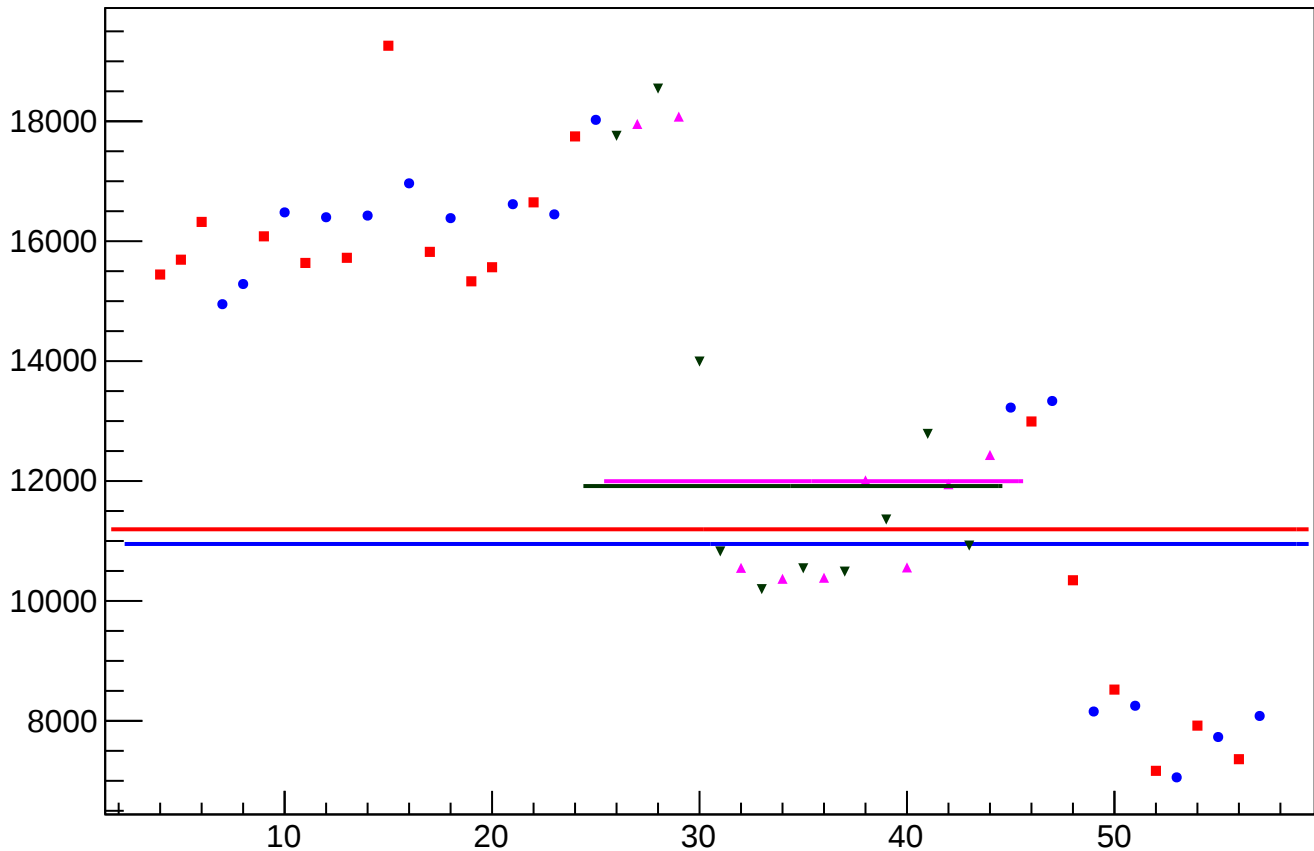
Right Out: -11.411+/-3.873 χ^2/NDF : 27.1/17

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

7.063+/-2.969 χ^2/NDF : 155.3/26

-1.748+/-3.099 χ^2/NDF : 55.4/26

diff_bpm0l09X_rms vs slug



Right In: 10950.225 $\pm$ 2.543 χ^2 /NDF: 2395617.0/16

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

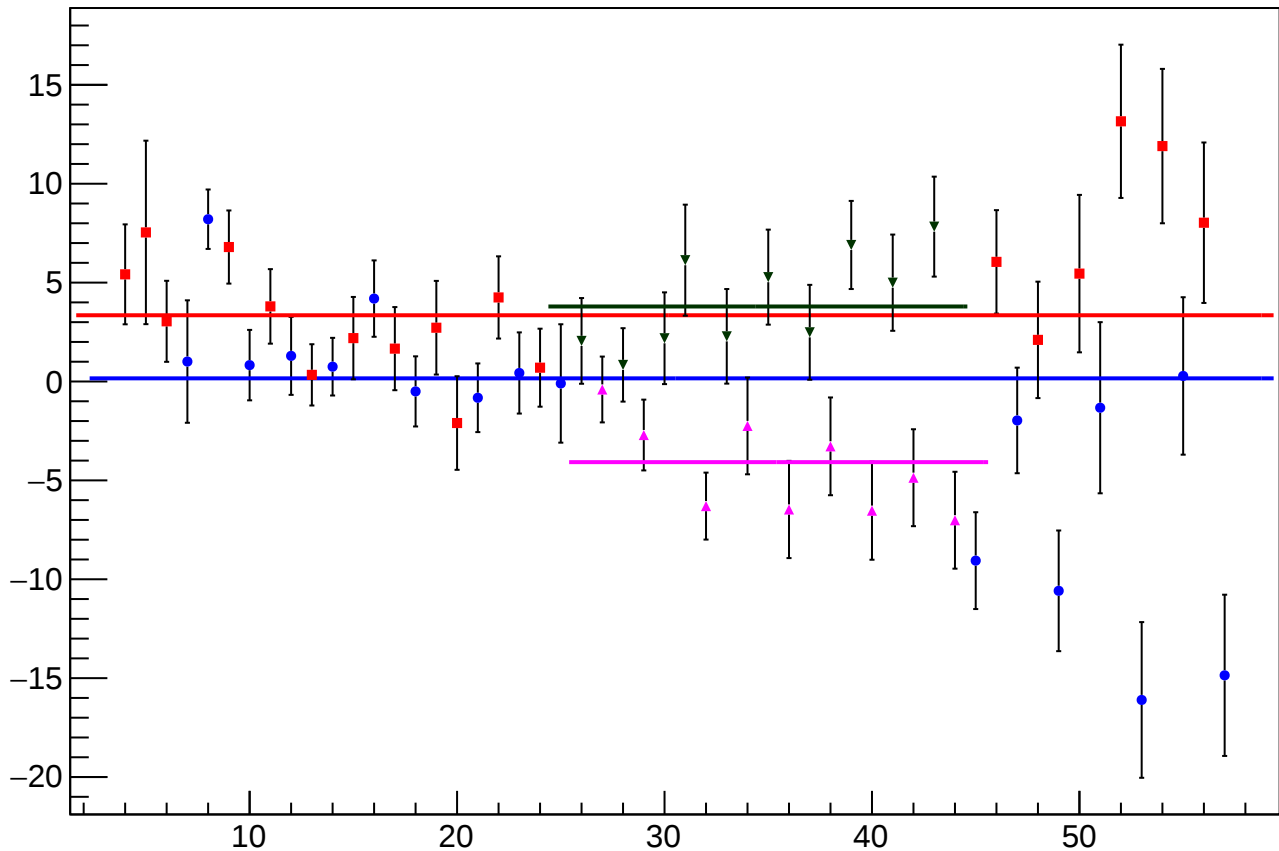
11257.934 $\pm$ 2.099 χ^2 /NDF: 2850545.7/26

Right Out: 11194.987 $\pm$ 2.739 χ^2 /NDF: 2183758.2/17

11483.726 $\pm$ 2.191 χ^2 /NDF: 2695765.8/26

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

diff_bpm0l09Y_mean vs slug



Right In: 0.159 ± 0.533 $\chi^2/\text{NDF}: 92.2/16$

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

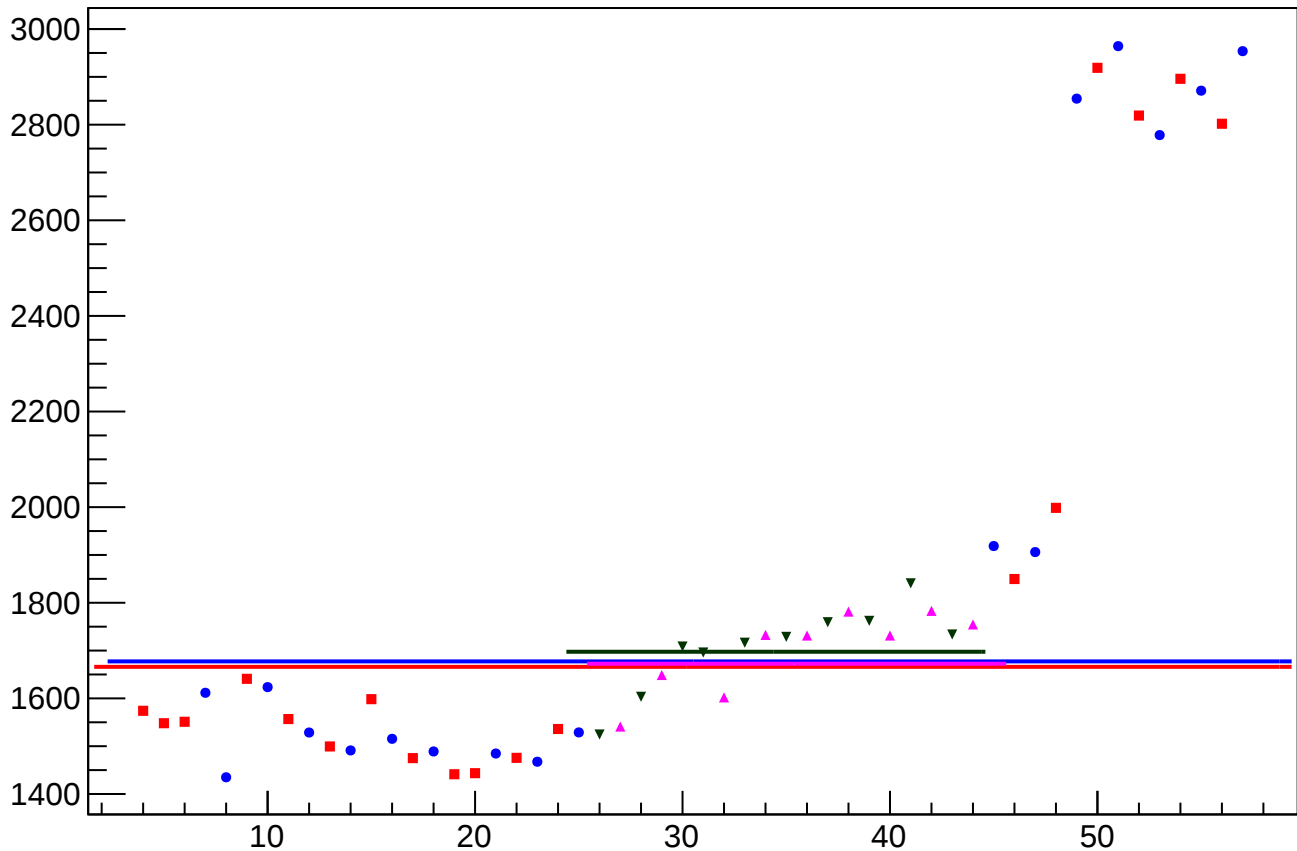
Right Out: 3.349 ± 0.554 $\chi^2/\text{NDF}: 31.2/17$

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

1.419 ± 0.431 $\chi^2/\text{NDF}: 118.5/26$

0.509 ± 0.436 $\chi^2/\text{NDF}: 111.1/26$

diff_bpm0l09Y_rms vs slug



Right In: 1677.351+/-0.377 χ^2/NDF : 1227062.6/16

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

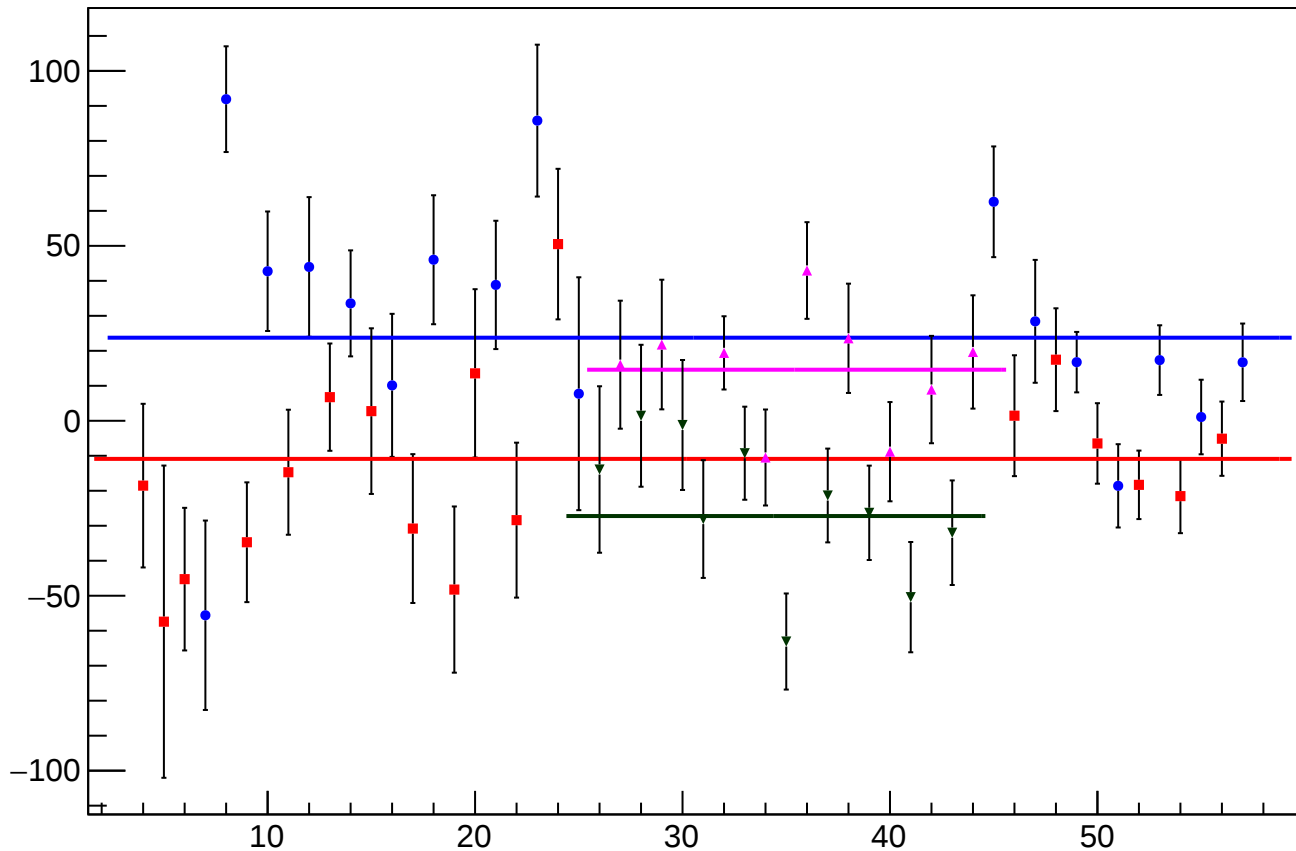
1684.342+/-0.305 χ^2/NDF : 1256801.3/26

Right Out: 1665.981+/-0.392 χ^2/NDF : 886240.4/17

1668.468+/-0.308 χ^2/NDF : 916335.3/26

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

diff_bpm0l10X_mean vs slug



Right In: 23.750 ± 3.489 χ^2/NDF : 67.4/16

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

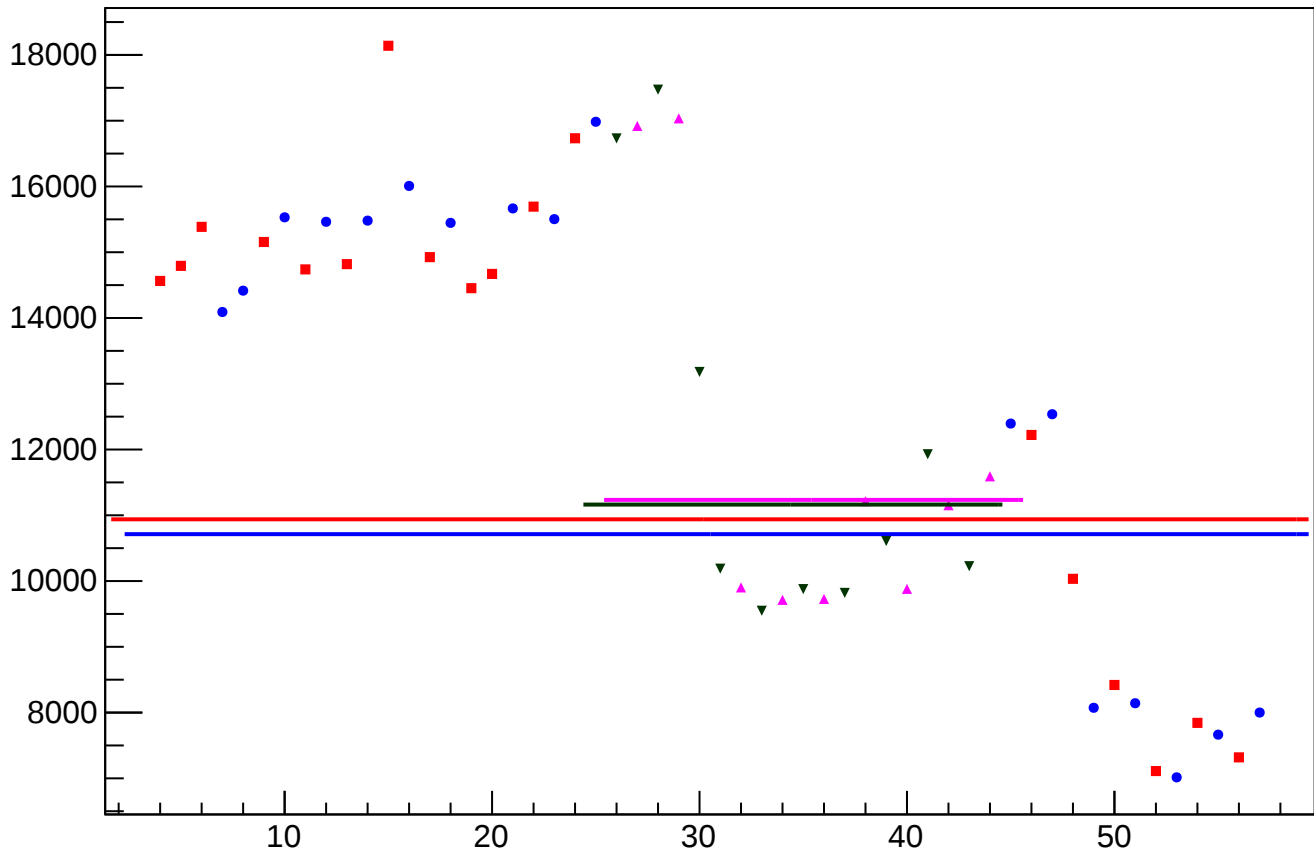
Right Out: -10.888 ± 3.753 χ^2/NDF : 27.1/17

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

6.735 ± 2.848 χ^2/NDF : 154.0/26

-1.315 ± 2.965 χ^2/NDF : 55.6/26

diff_bpm0l10X_rms vs slug



Right In: 10713.058+/-2.467 χ^2/NDF : 2086352.9/16

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

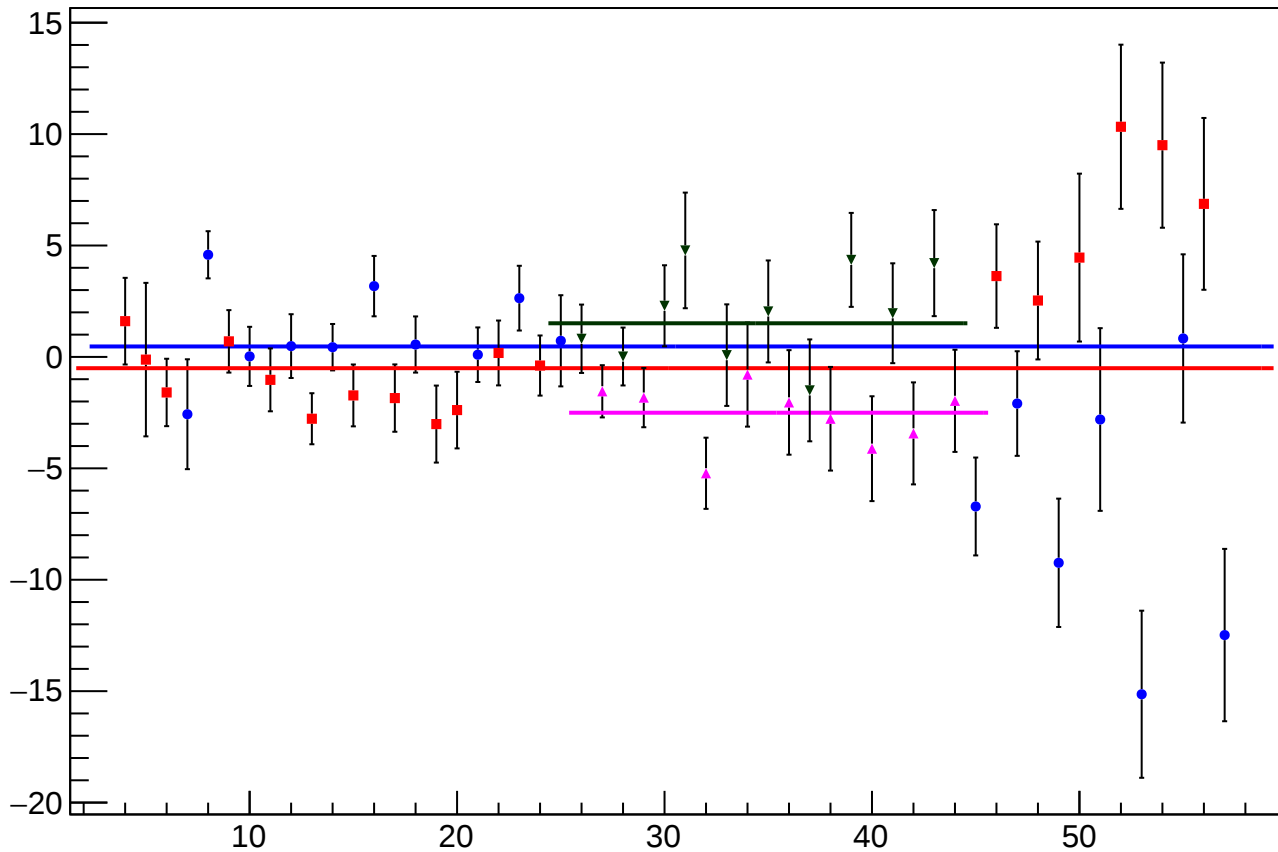
10863.177+/-2.014 χ^2/NDF : 2513821.1/26

Right Out: 10938.736+/-2.654 χ^2/NDF : 1906556.9/17

11049.663+/-2.097 χ^2/NDF : 2400474.2/26

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

diff_bpm0l10Y_mean vs slug



Right In: 0.469 ± 0.396 χ^2/NDF : 75.5/16

0.775 ± 0.333 χ^2/NDF : 86.2/26

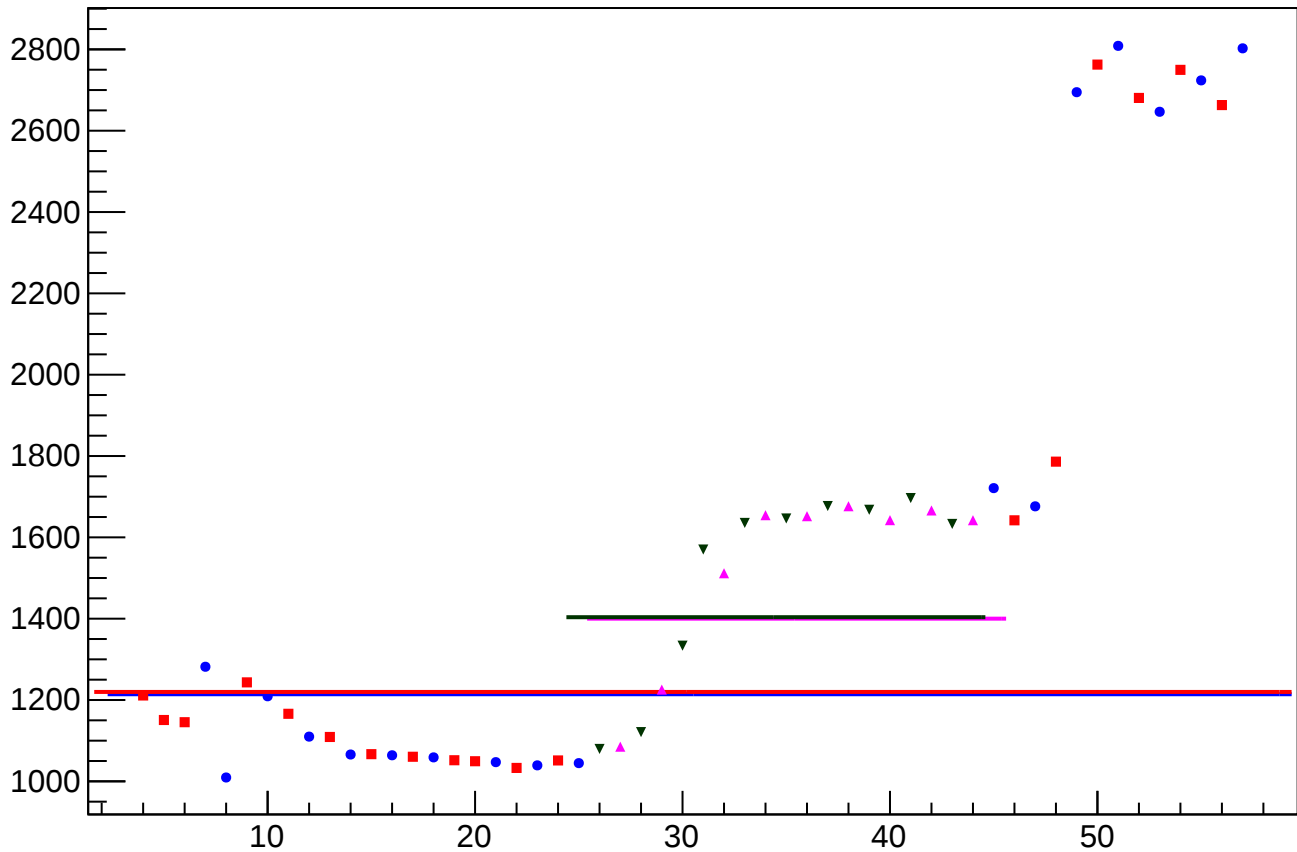
Left Out: 1.510 ± 0.615 χ^2/NDF : 8.6/9

Right Out: -0.506 ± 0.414 χ^2/NDF : 37.4/17

-1.154 ± 0.341 χ^2/NDF : 50.1/26

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

diff_bpm0l10Y_rms vs slug



Right In: 1214.195+/-0.280 χ^2/NDF : 2226281.1/16

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

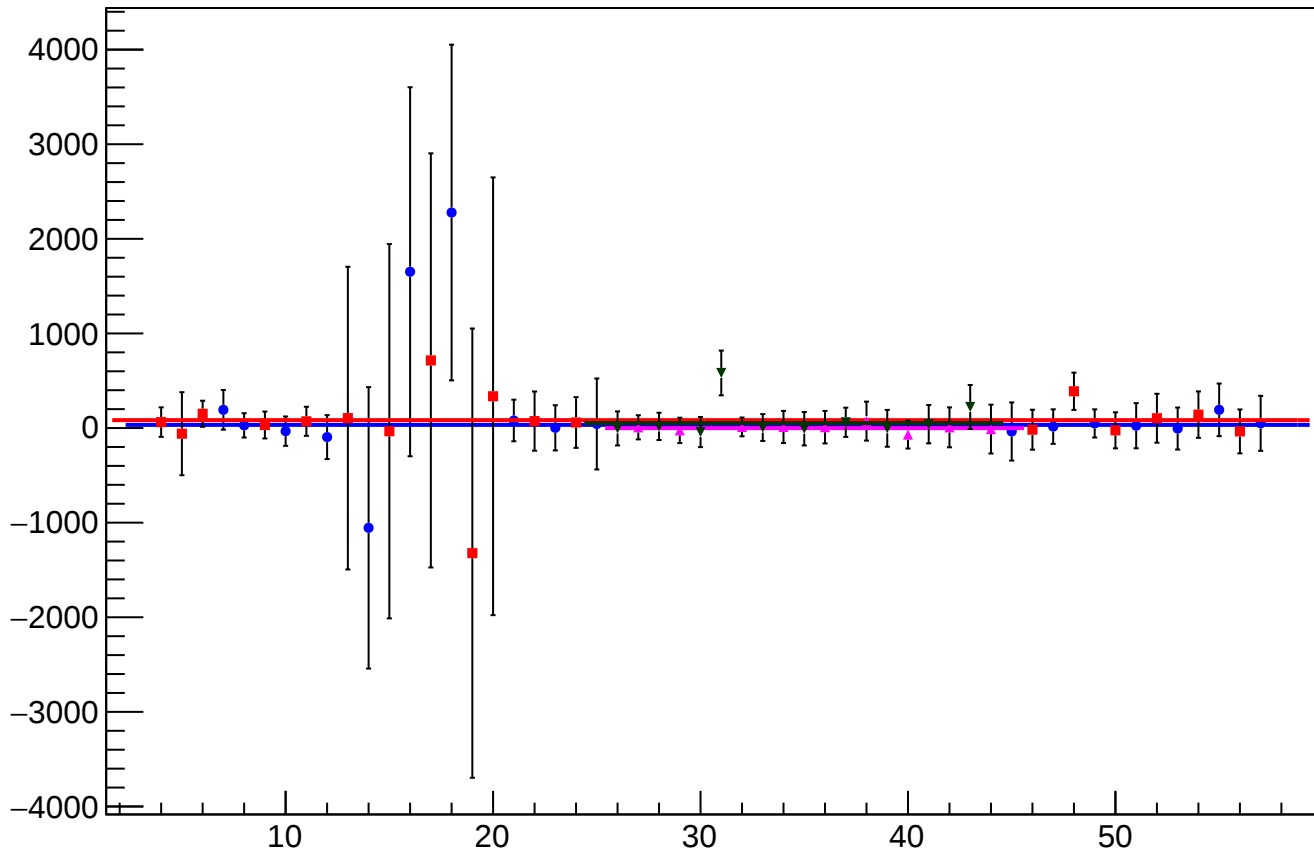
1269.782+/-0.236 χ^2/NDF : 2711371.7/26

Right Out: 1219.843+/-0.293 χ^2/NDF : 1605682.0/17

1278.320+/-0.241 χ^2/NDF : 2062607.7/26

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: 33.494+/-54.621 χ^2/NDF : 4.4/16

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

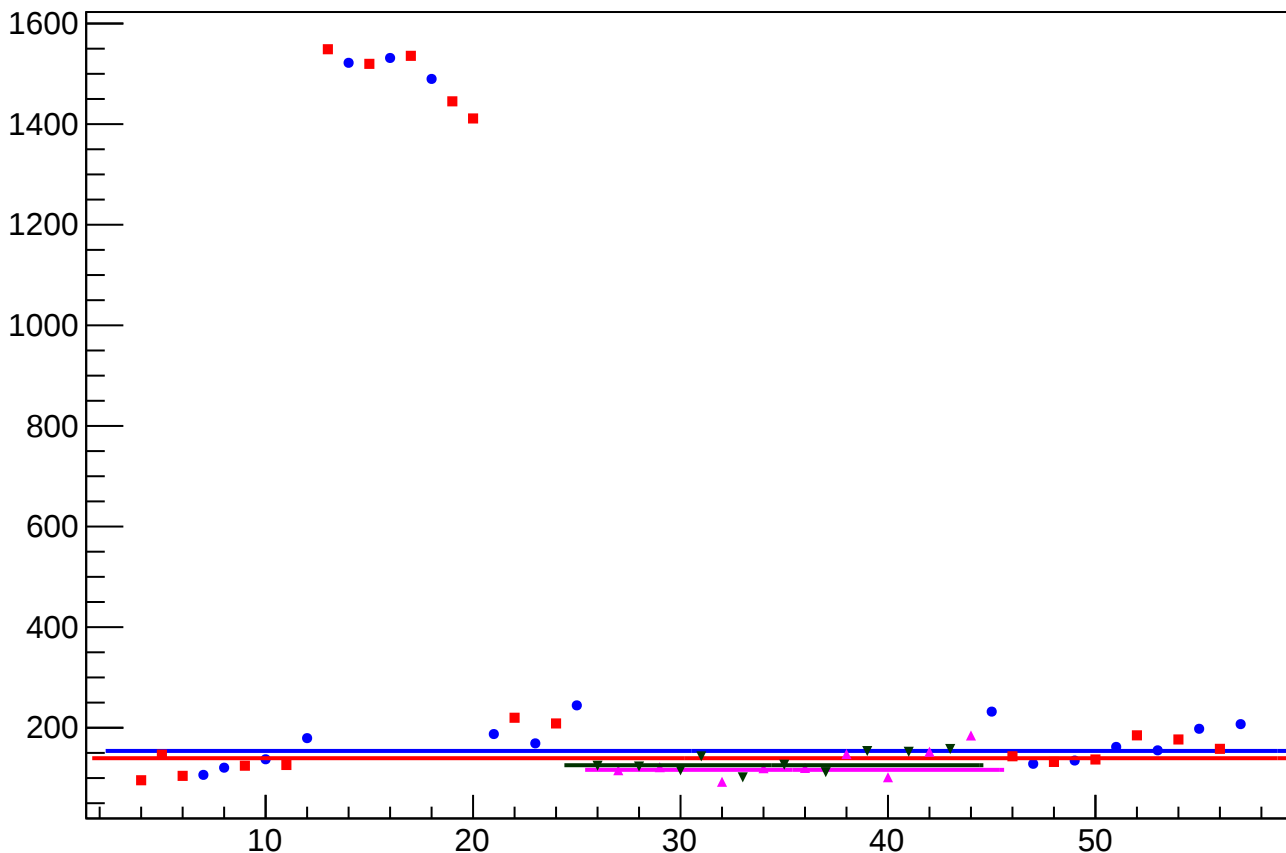
Right Out: 83.683+/-54.091 χ^2/NDF : 4.2/17

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

42.661+/-38.788 χ^2/NDF : 10.8/26

38.304+/-36.860 χ^2/NDF : 6.0/26

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs slug



Right In: 153.928+/-0.039 χ^2/NDF : 4554530.3/16

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

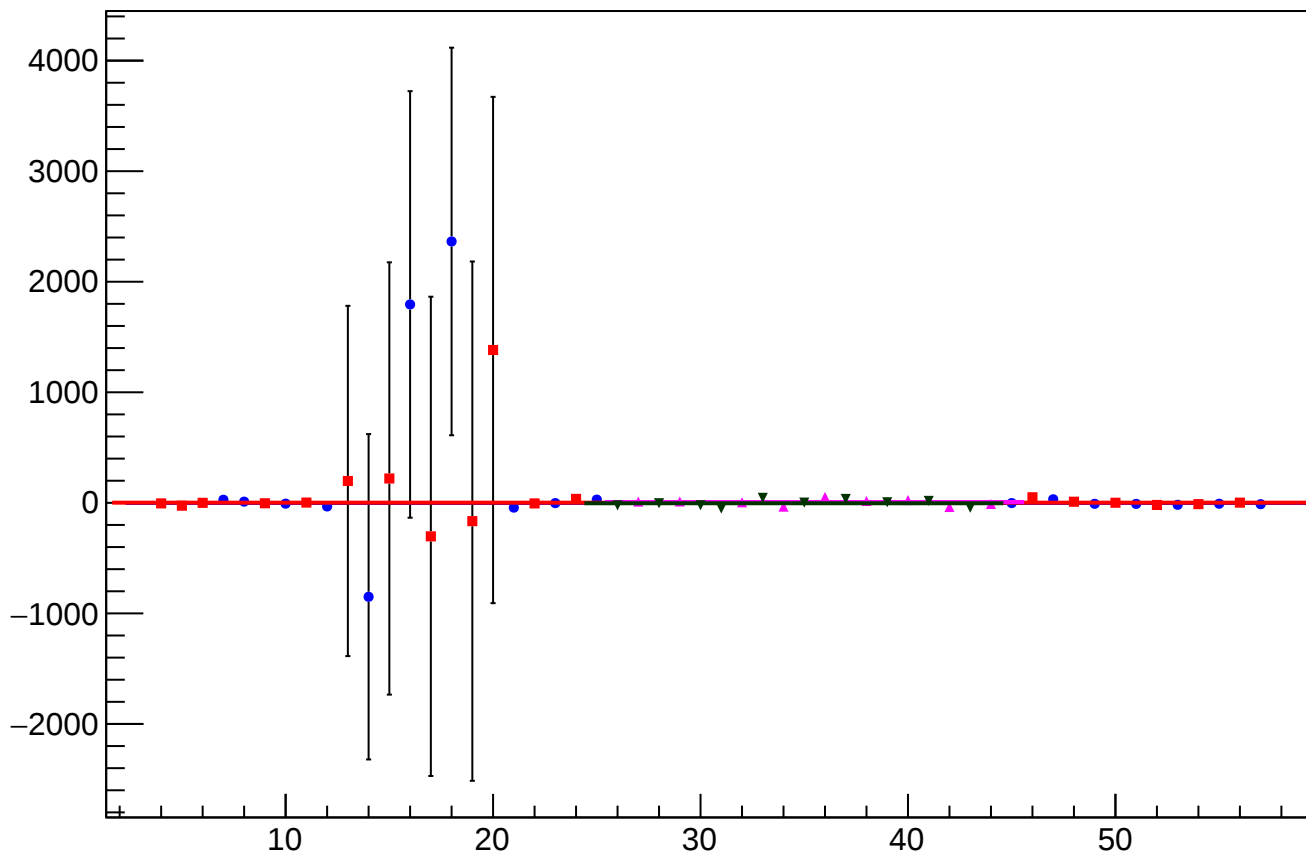
139.849+/-0.027 χ^2/NDF : 5031607.9/26

Right Out: 139.458+/-0.038 χ^2/NDF : 5264739.0/17

127.060+/-0.026 χ^2/NDF : 5844878.8/26

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

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs slug



Right In: -1.326+/-4.855 χ^2/NDF : 15.0/16

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

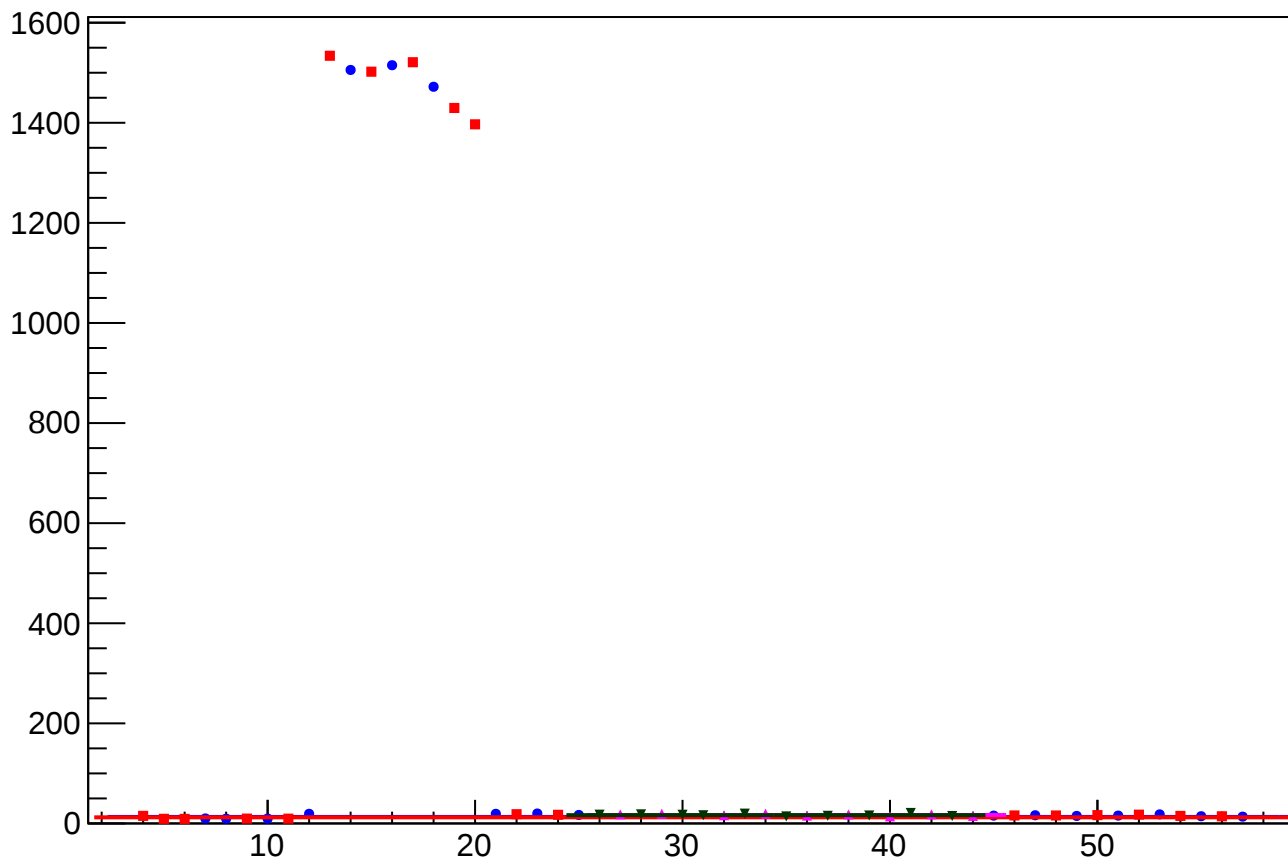
Right Out: 1.492+/-4.959 χ^2/NDF : 9.5/17

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

-2.050+/-4.065 χ^2/NDF : 29.6/26

3.376+/-4.127 χ^2/NDF : 20.4/26

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs slug



Right In: 12.993+/-0.003 χ^2/NDF : 5695386.0/16

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

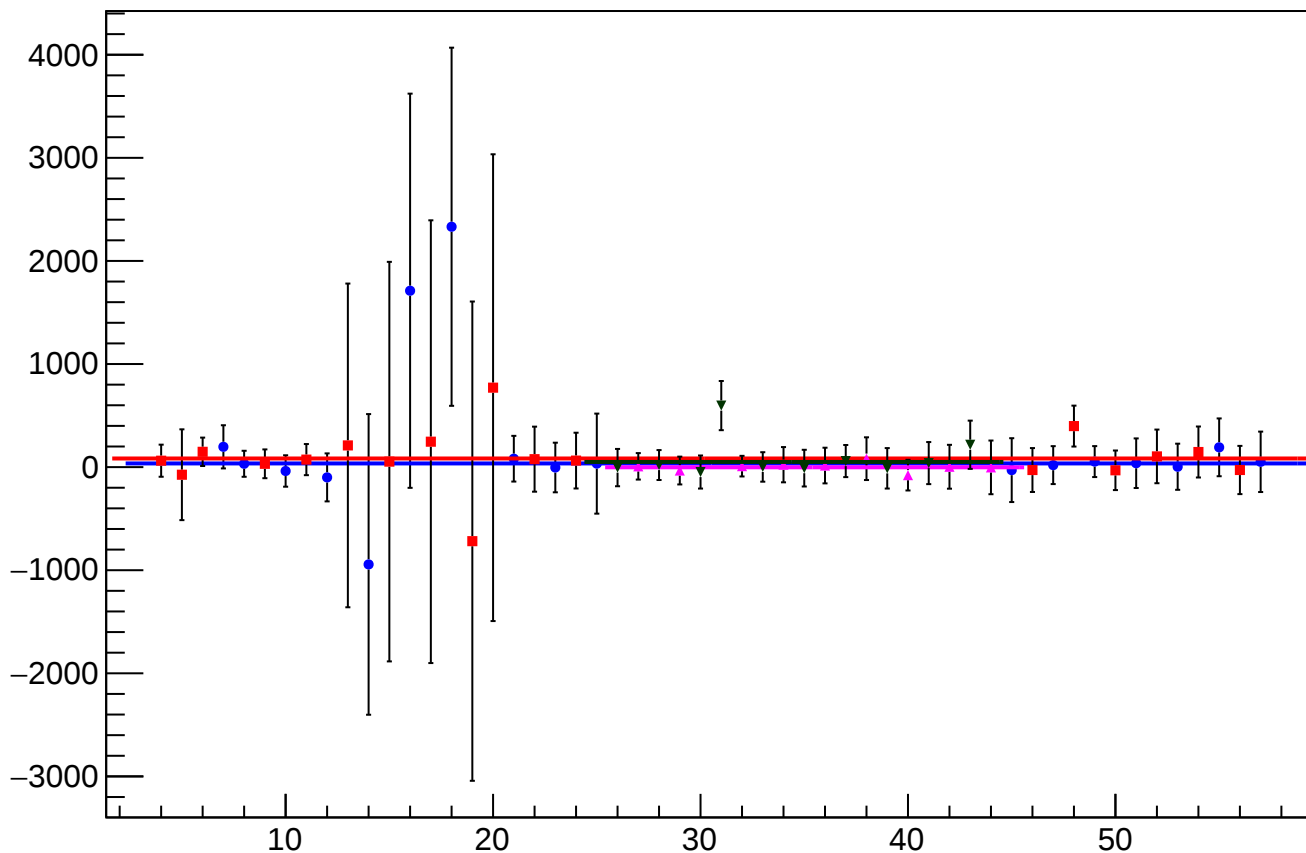
Right Out: 12.238+/-0.004 χ^2/NDF : 6366386.7/17

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

14.067+/-0.003 χ^2/NDF : 6155884.8/26

13.689+/-0.003 χ^2/NDF : 7034070.4/26

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs slug



Right In: 35.785 ± 54.543 χ^2/NDF : 4.6/16

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

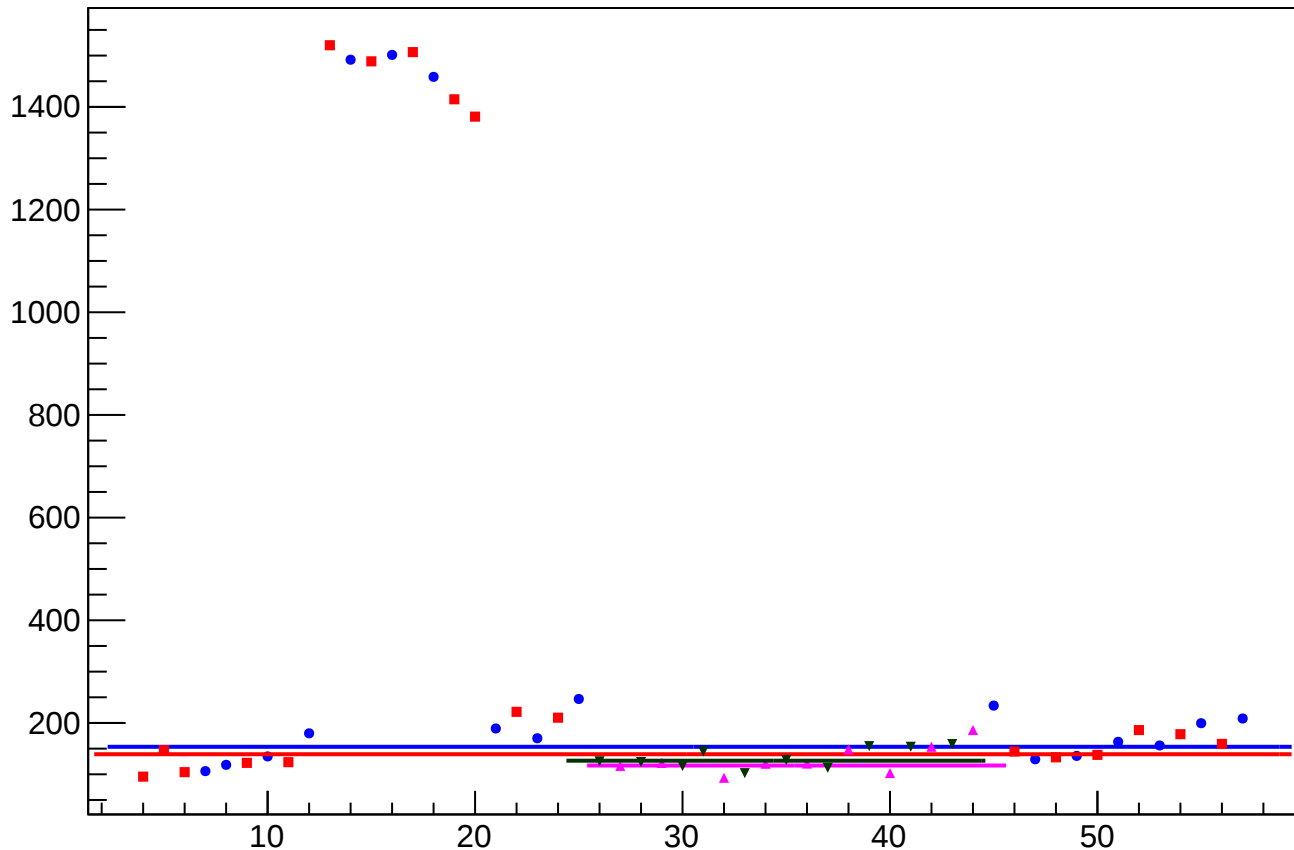
Right Out: 83.732 ± 53.972 χ^2/NDF : 4.2/17

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

42.822 ± 38.909 χ^2/NDF : 11.2/26

38.357 ± 36.964 χ^2/NDF : 6.0/26

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs slug



Right In: 153.577 $\pm$ 0.039 χ^2 /NDF: 4581300.0/16

Left Out: 126.498 $\pm$ 0.039 χ^2 /NDF: 209198.2/9

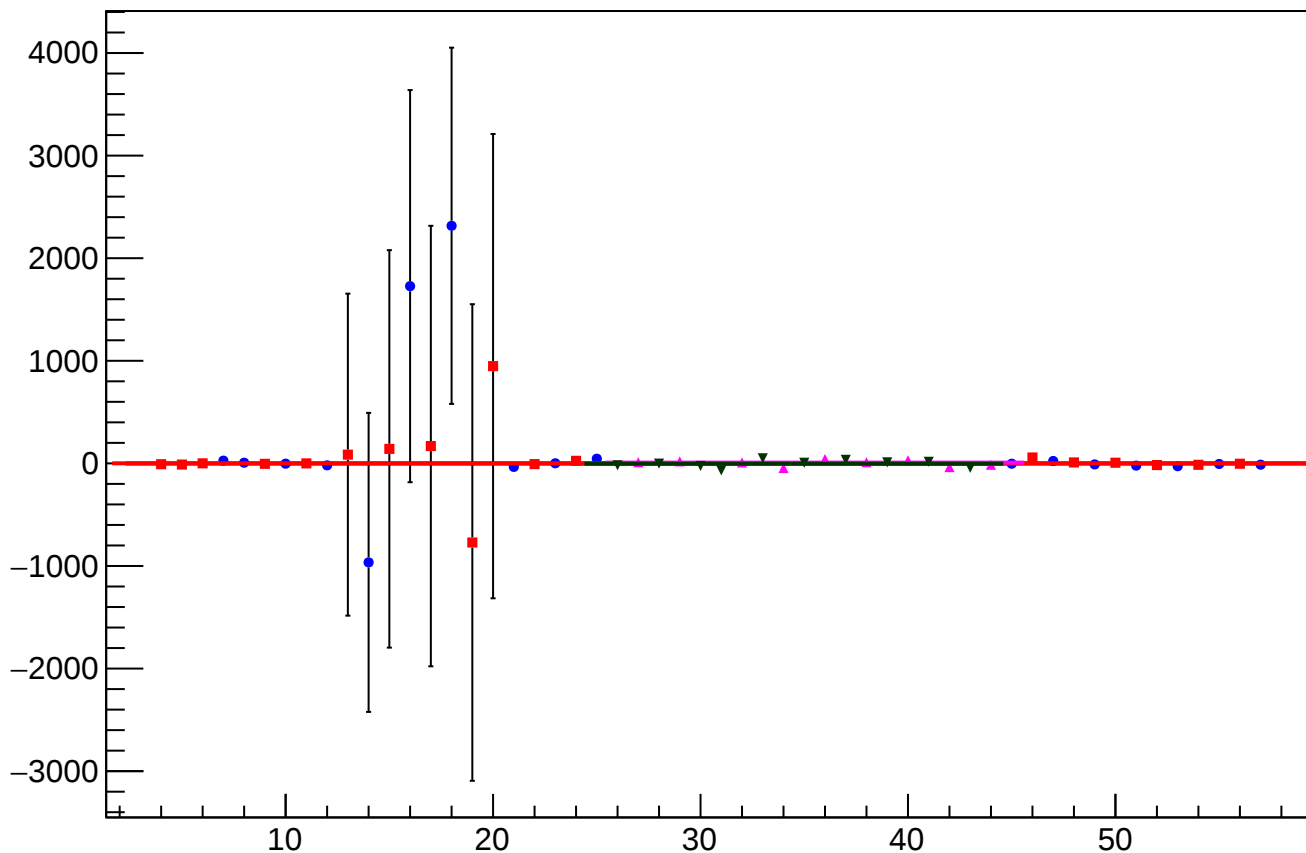
140.278 $\pm$ 0.028 χ^2 /NDF: 5032596.3/26

Right Out: 139.078 $\pm$ 0.038 χ^2 /NDF: 5278439.1/17

127.431 $\pm$ 0.026 χ^2 /NDF: 5838583.5/26

Left In: 117.142 $\pm$ 0.036 χ^2 /NDF: 384721.1/8

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs slug



Right In: -1.159+/-4.522 χ^2/NDF : 14.2/16

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

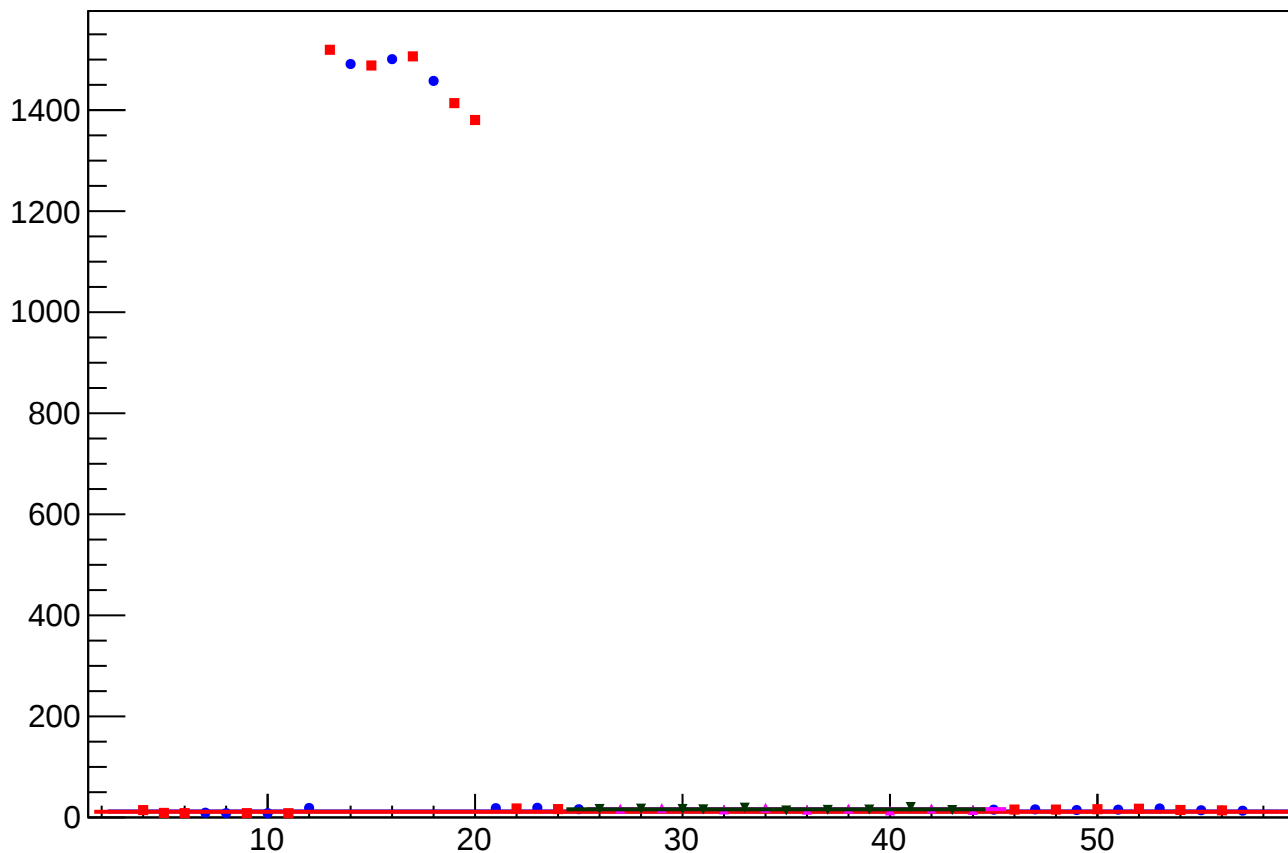
Right Out: 0.793+/-4.614 χ^2/NDF : 9.4/17

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

-1.758+/-3.836 χ^2/NDF : 32.4/26

2.770+/-3.894 χ^2/NDF : 21.4/26

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs slug



Right In: 11.929+/-0.003 χ^2/NDF : 6053718.2/16

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

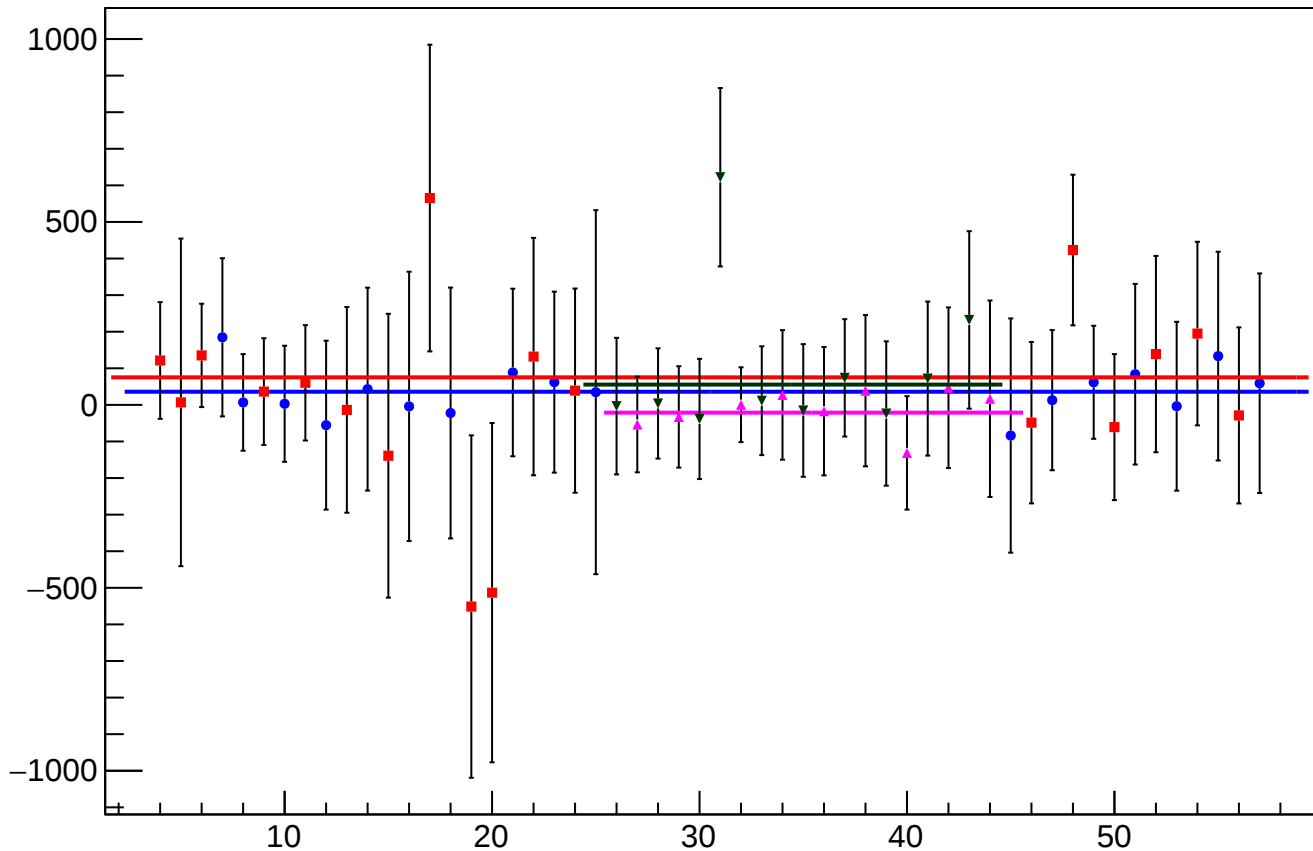
Right Out: 11.251+/-0.003 χ^2/NDF : 6627698.4/17

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

13.109+/-0.003 χ^2/NDF : 6667258.6/26

12.764+/-0.003 χ^2/NDF : 7475976.6/26

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs slug



Right In: 35.952+/-53.990 χ^2/NDF : 1.2/16

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

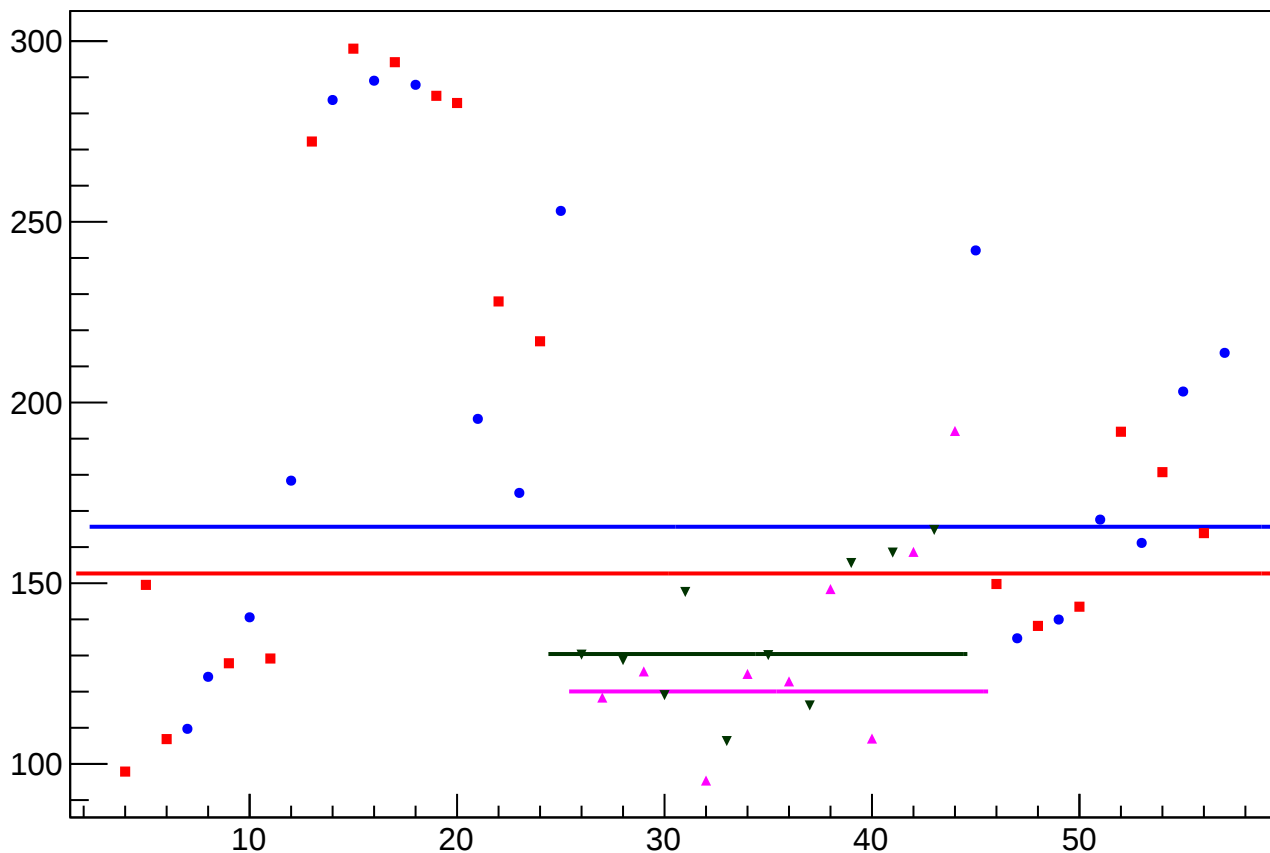
Right Out: 75.284+/-53.111 χ^2/NDF : 9.7/17

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

45.175+/-39.241 χ^2/NDF : 8.2/26

26.006+/-37.144 χ^2/NDF : 12.3/26

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs slug



Right In: 165.626+/-0.038 χ^2/NDF : 1636028.2/16

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

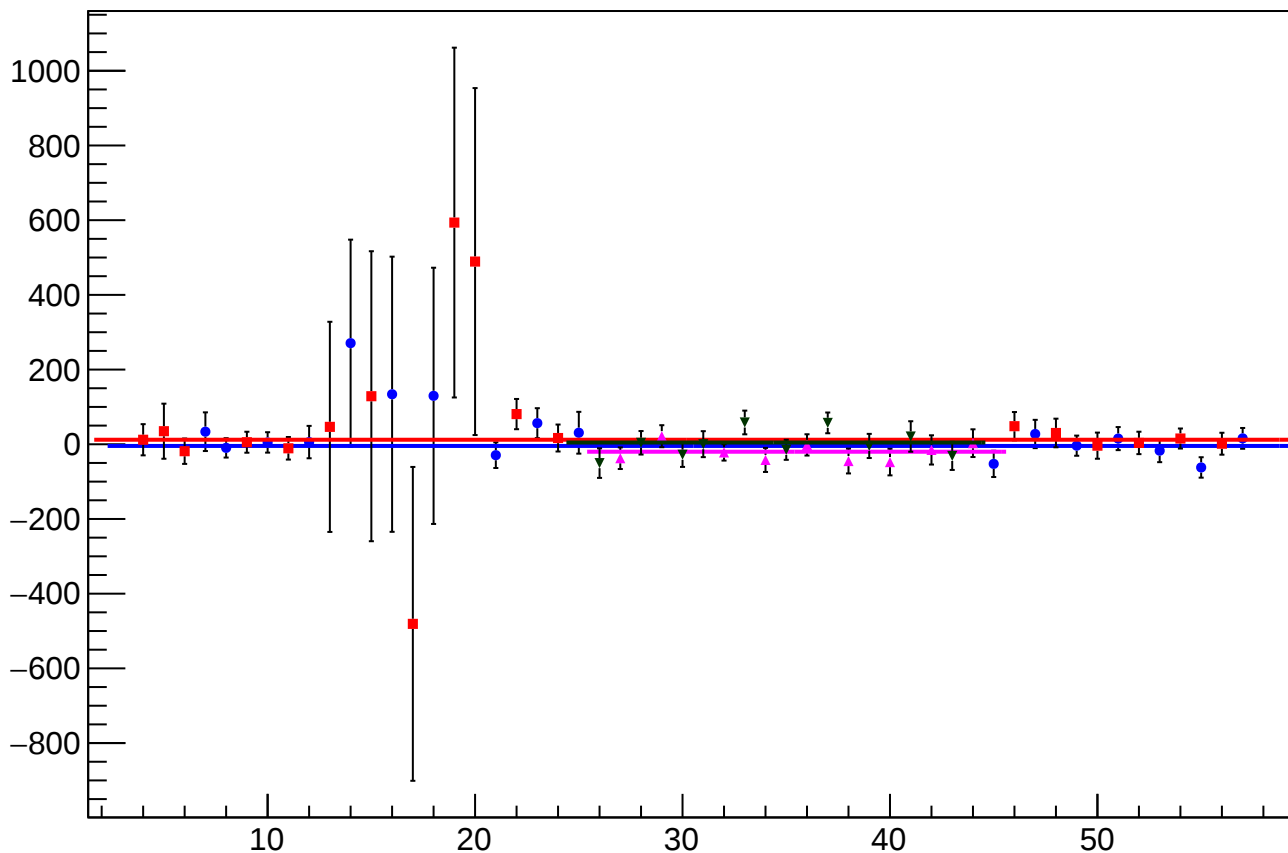
Right Out: 152.701+/-0.038 χ^2/NDF : 2036336.2/17

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

149.015+/-0.028 χ^2/NDF : 2233524.5/26

136.021+/-0.026 χ^2/NDF : 2802004.8/26

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs slug



Right In: -4.475+/-8.717 χ^2/NDF : 13.4/16

Left Out: 4.706+/-10.341 χ^2/NDF : 11.1/9

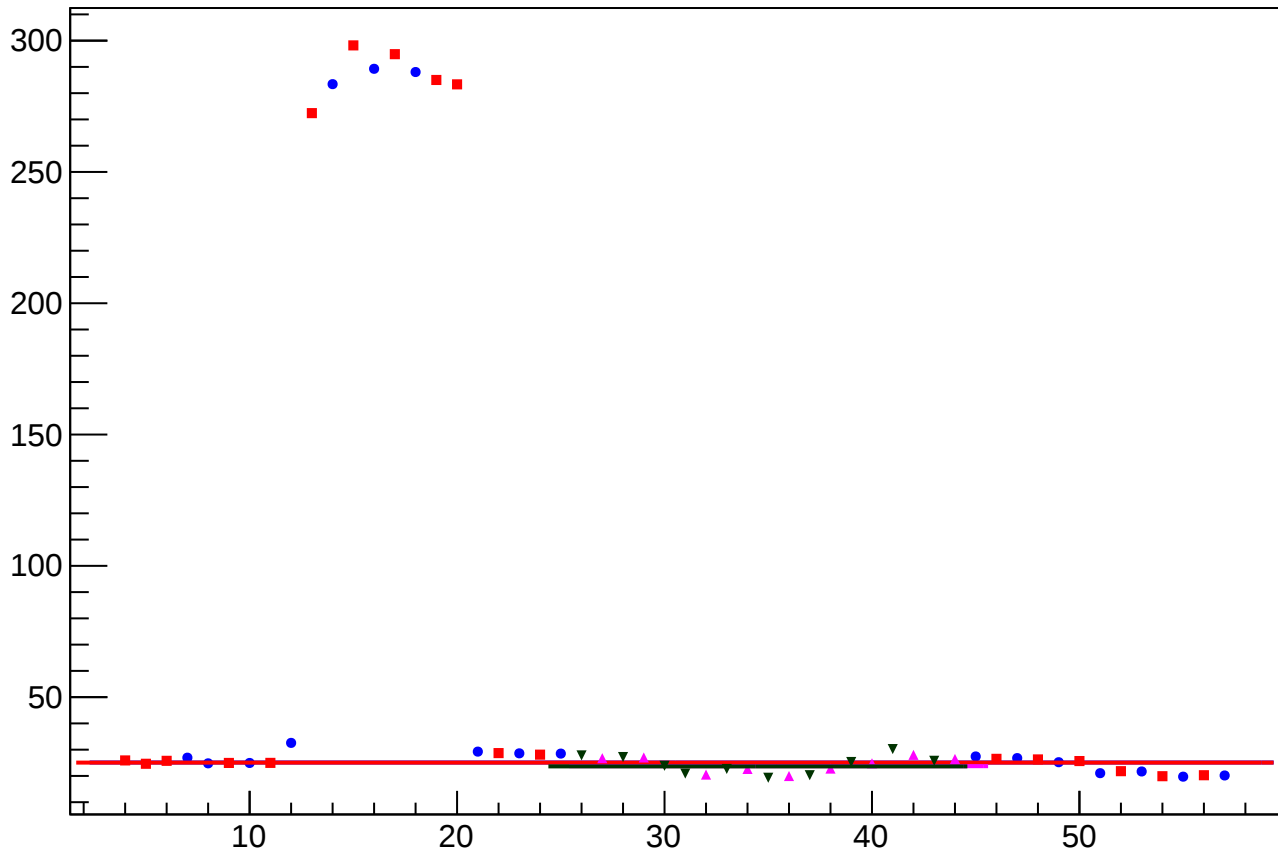
Right Out: 12.145+/-9.427 χ^2/NDF : 10.1/17

Left In: -19.983+/-10.142 χ^2/NDF : 4.8/8

-0.661+/-6.665 χ^2/NDF : 24.9/26

-2.746+/-6.905 χ^2/NDF : 20.3/26

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs slug



Right In: 25.113+/-0.006 χ^2/NDF : 4268889.9/16

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

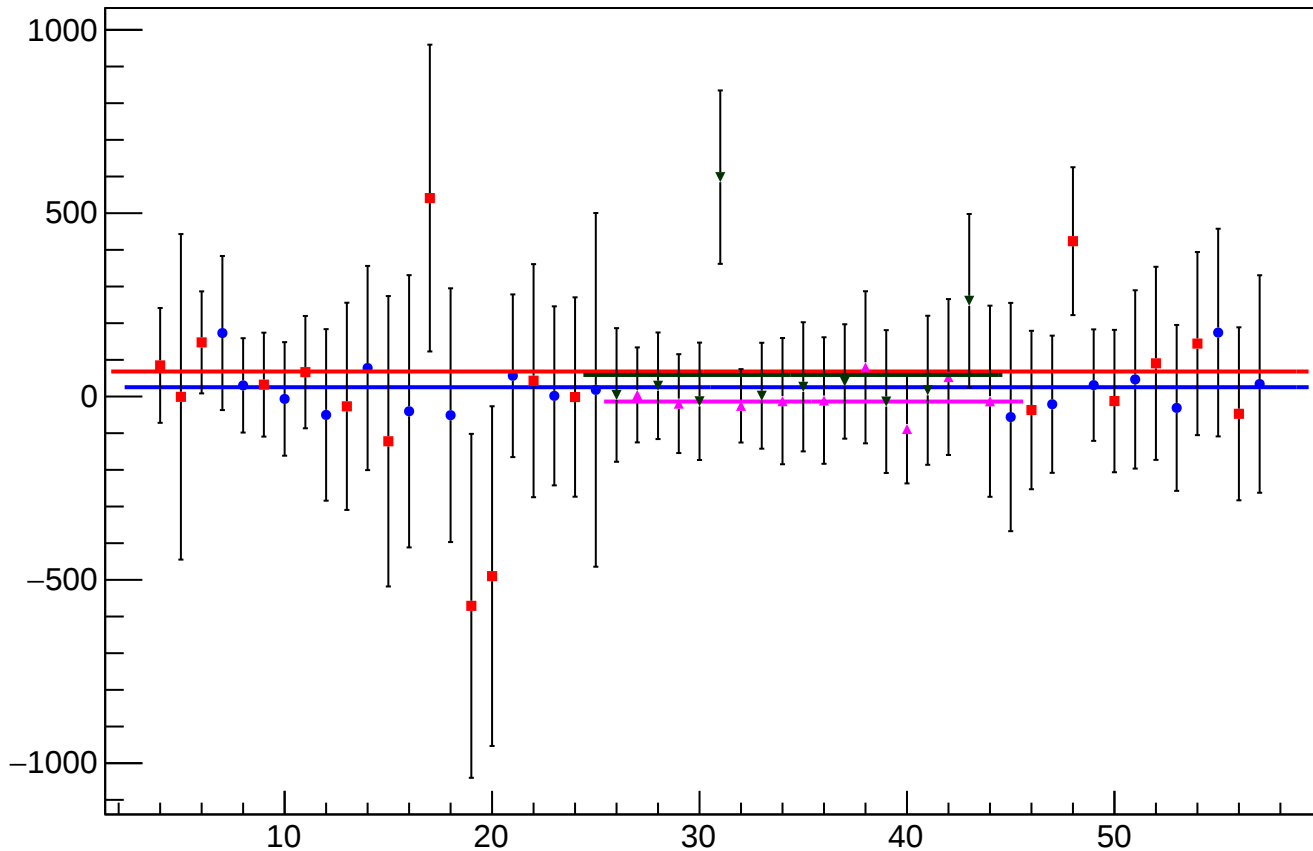
24.496+/-0.005 χ^2/NDF : 4500427.4/26

Right Out: 25.073+/-0.007 χ^2/NDF : 4783945.9/17

24.441+/-0.005 χ^2/NDF : 4969177.1/26

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

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs slug



Right In: 25.389+/-53.047 χ^2/NDF : 1.3/16

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

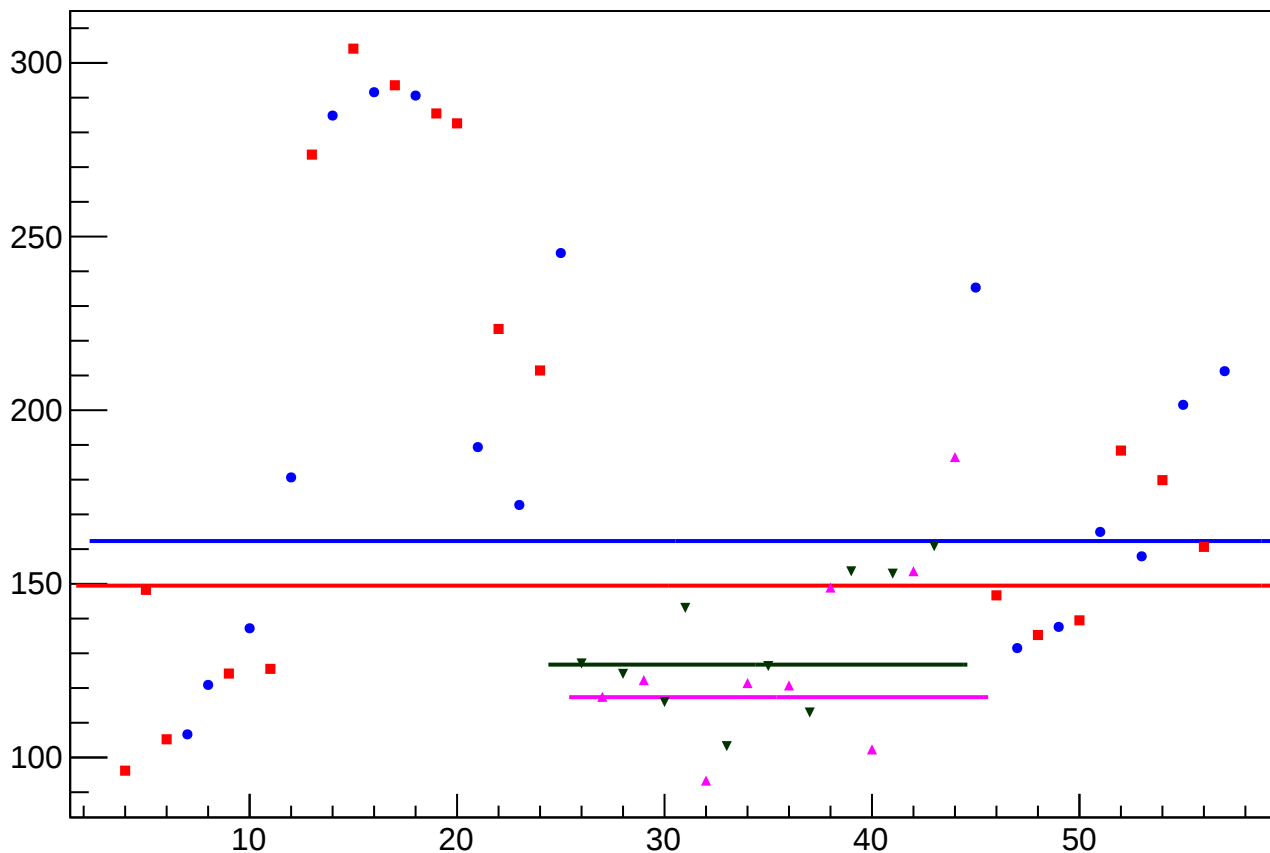
Right Out: 68.240+/-52.119 χ^2/NDF : 9.3/17

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

41.328+/-38.365 χ^2/NDF : 8.1/26

26.216+/-36.382 χ^2/NDF : 11.1/26

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs slug



Right In: 162.329 ± 0.038 $\chi^2/\text{NDF}: 1720374.0/16$

Left Out: 126.741 ± 0.039 $\chi^2/\text{NDF}: 200512.0/9$

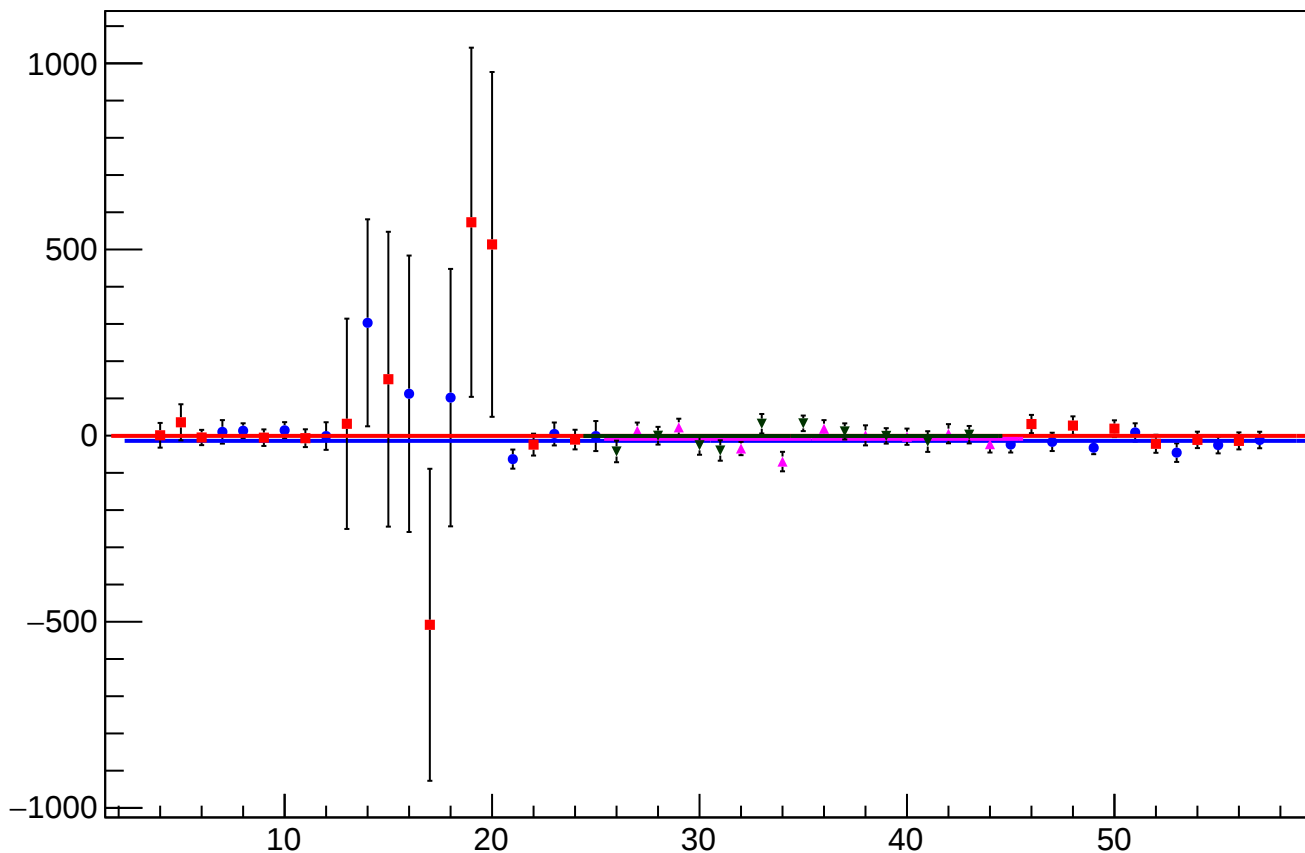
145.355 ± 0.027 $\chi^2/\text{NDF}: 2350214.3/26$

Right Out: 149.484 ± 0.037 $\chi^2/\text{NDF}: 2113190.1/17$

133.019 ± 0.026 $\chi^2/\text{NDF}: 2887997.4/26$

Left In: 117.371 ± 0.036 $\chi^2/\text{NDF}: 385529.6/8$

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs slug



Right In: -14.032 $\pm$ 6.454 χ^2 /NDF: 14.0/16

Left Out: -0.891 $\pm$ 7.638 χ^2 /NDF: 9.9/9

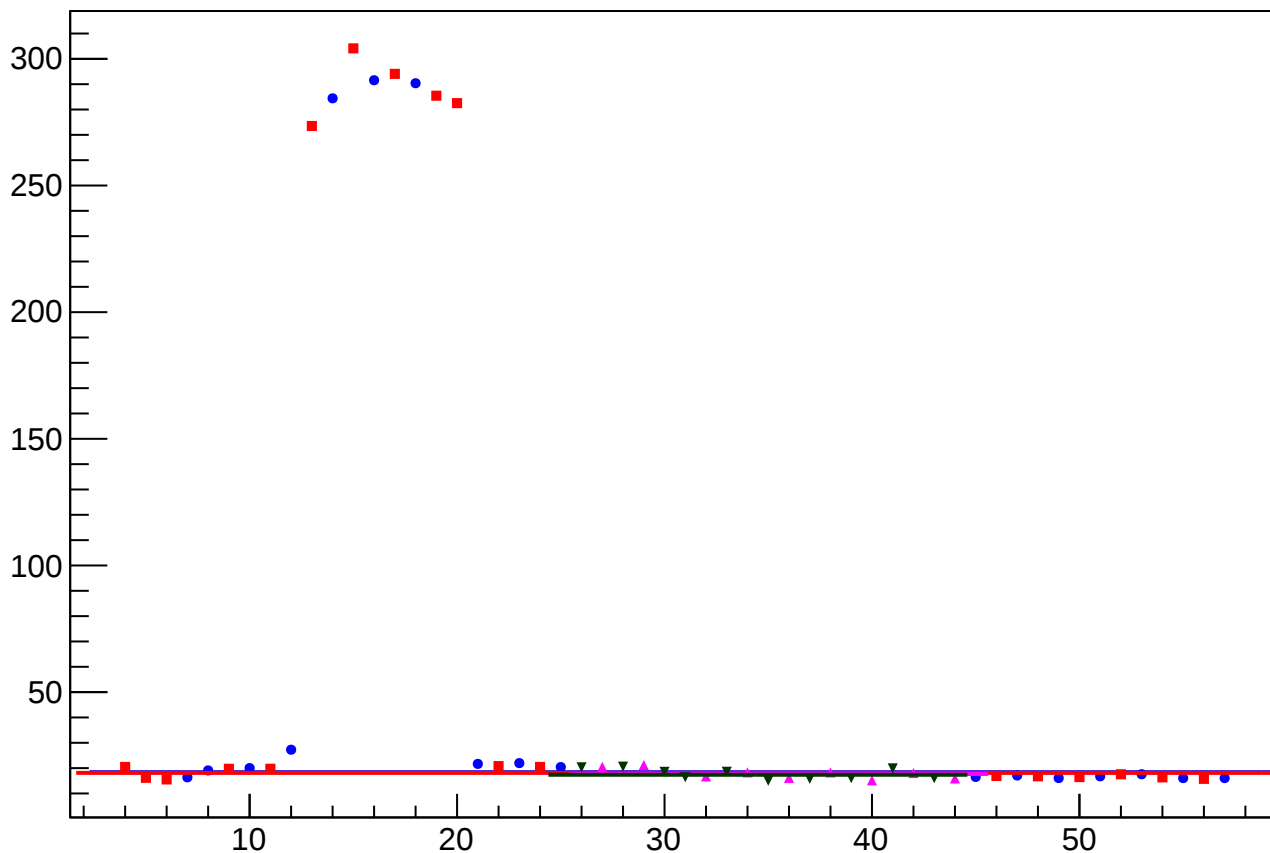
Right Out: -0.682 $\pm$ 6.891 χ^2 /NDF: 10.9/17

Left In: -8.626 $\pm$ 7.603 χ^2 /NDF: 12.5/8

-8.558 $\pm$ 4.930 χ^2 /NDF: 25.6/26

-4.265 $\pm$ 5.106 χ^2 /NDF: 24.0/26

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs slug



Right In: 18.388 $\pm$ 0.005 χ^2 /NDF: 4464016.9/16

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

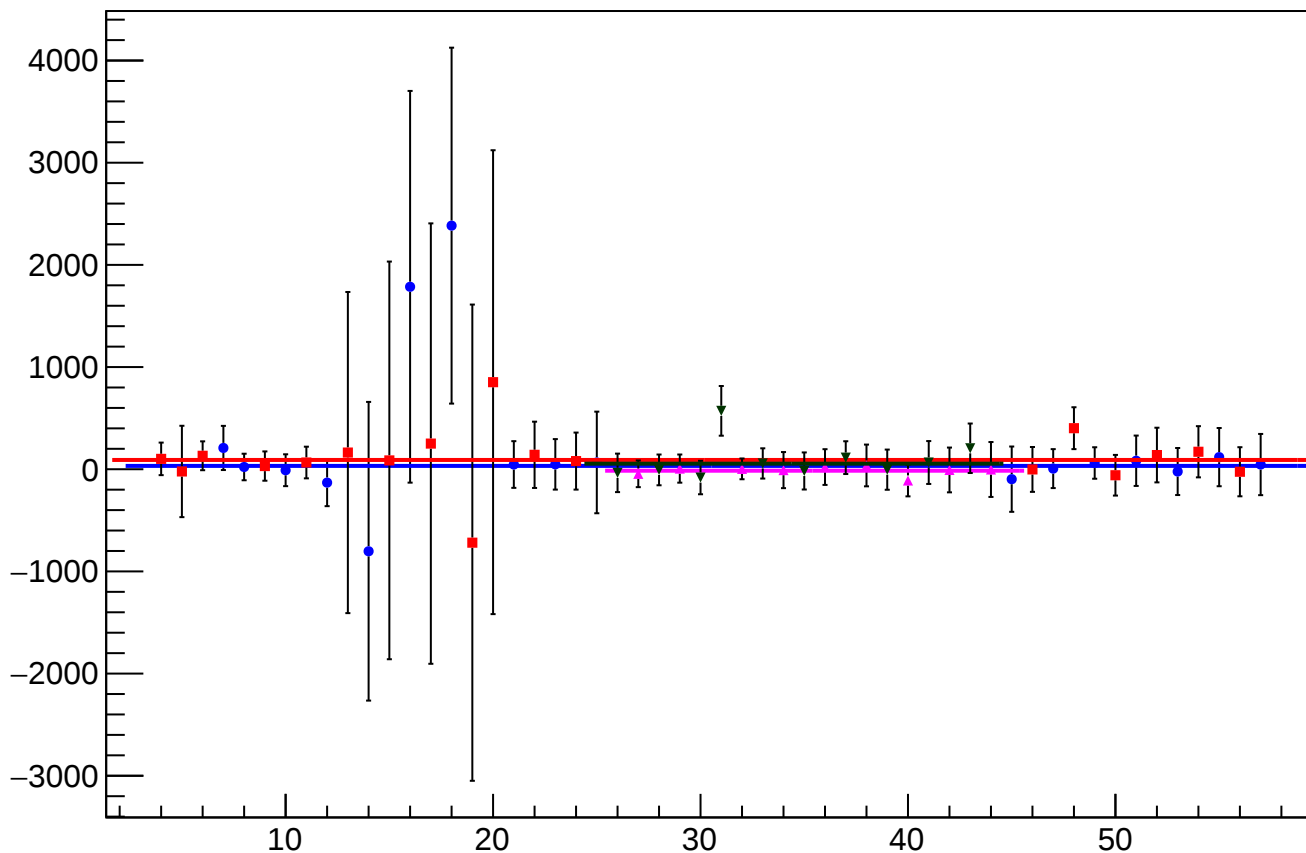
17.969 $\pm$ 0.003 χ^2 /NDF: 4620436.5/26

Right Out: 18.132 $\pm$ 0.005 χ^2 /NDF: 5000563.7/17

17.935 $\pm$ 0.004 χ^2 /NDF: 5138165.6/26

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

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs slug



Right In: 32.646+/-55.939 χ^2/NDF : 4.7/16

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

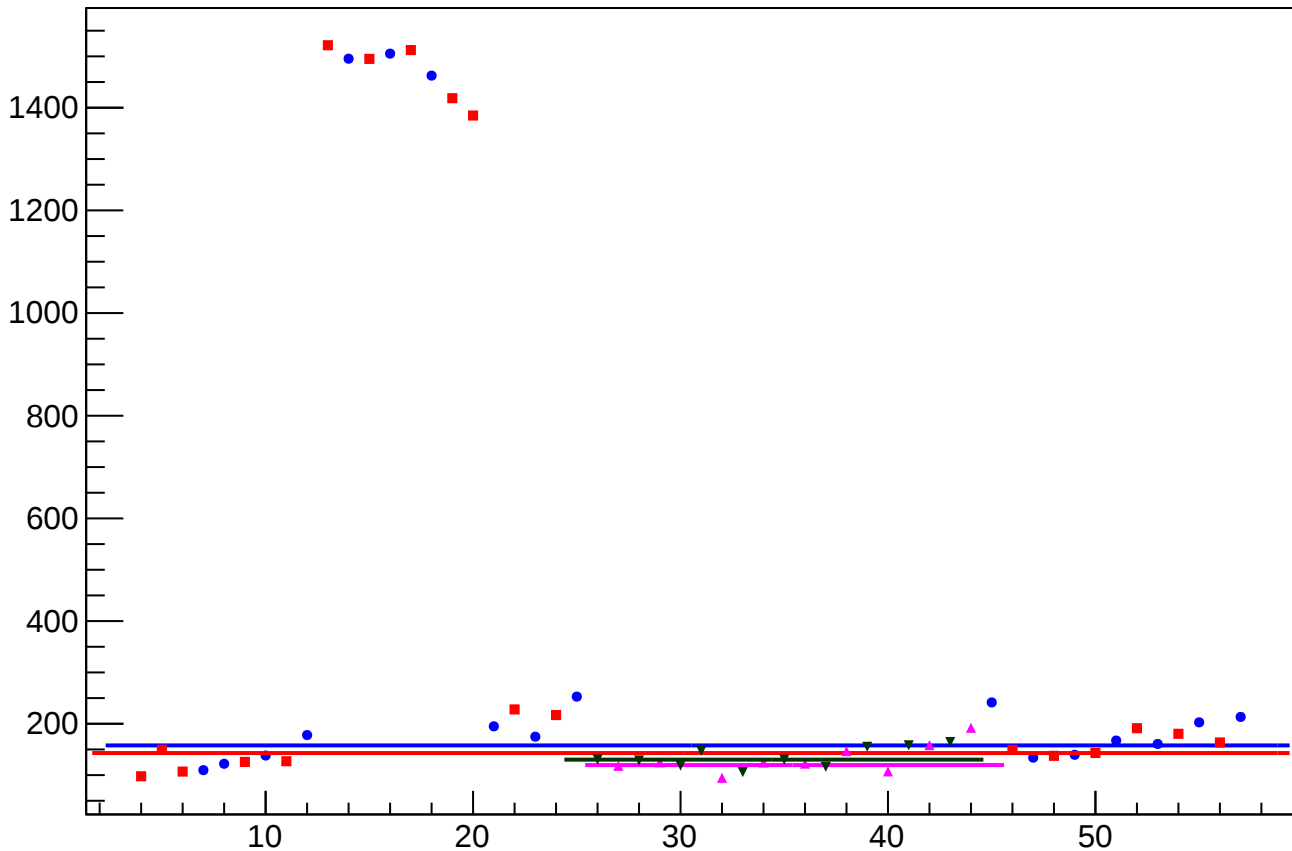
Right Out: 90.814+/-55.433 χ^2/NDF : 4.0/17

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

43.314+/-39.945 χ^2/NDF : 11.1/26

34.598+/-37.837 χ^2/NDF : 6.6/26

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs slug



Right In: 157.821+/-0.040 χ^2/NDF : 4537401.8/16

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

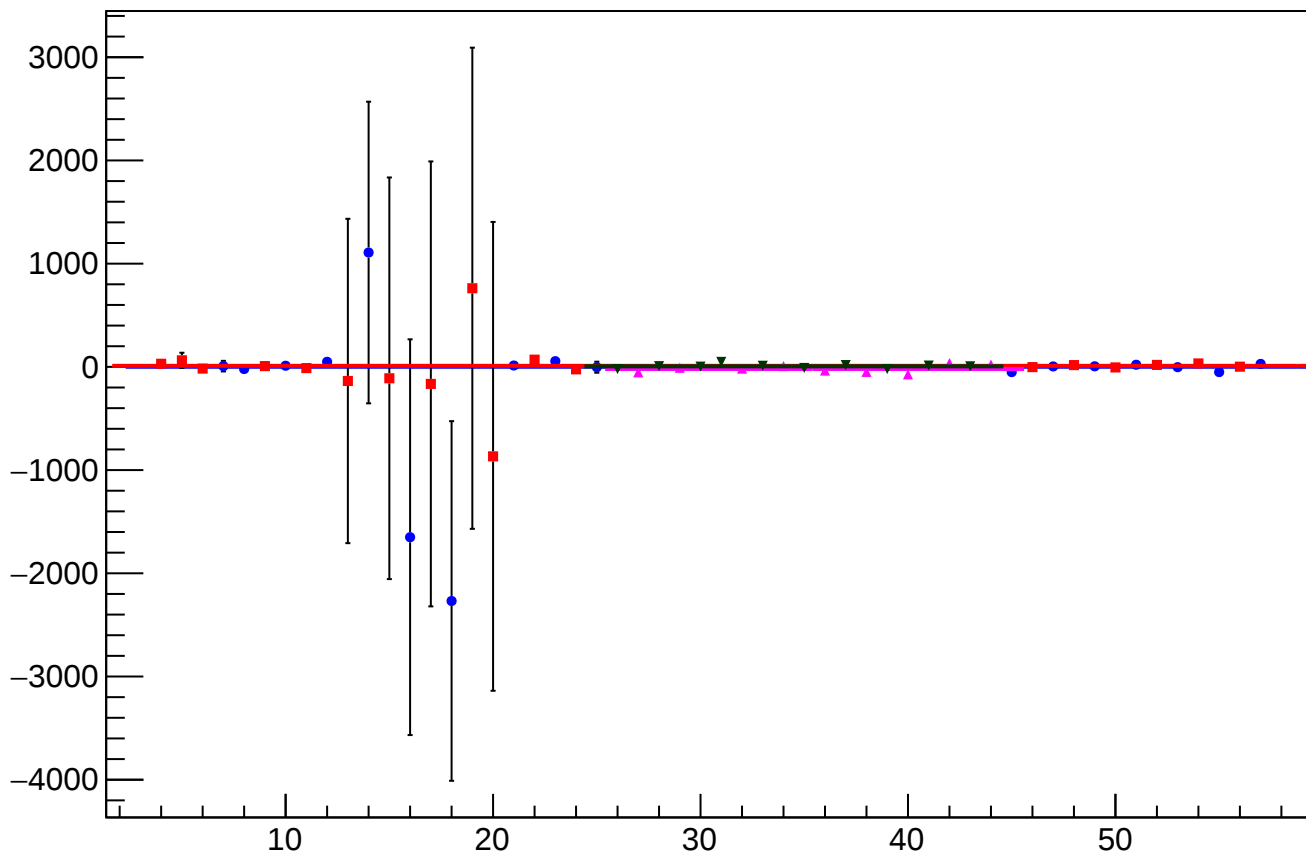
144.257+/-0.028 χ^2/NDF : 4974467.0/26

Right Out: 143.007+/-0.039 χ^2/NDF : 5258101.2/17

130.500+/-0.027 χ^2/NDF : 5829405.7/26

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

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs slug



Right In: 1.228 $\pm$ 8.481 χ^2 /NDF: 14.7/16

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

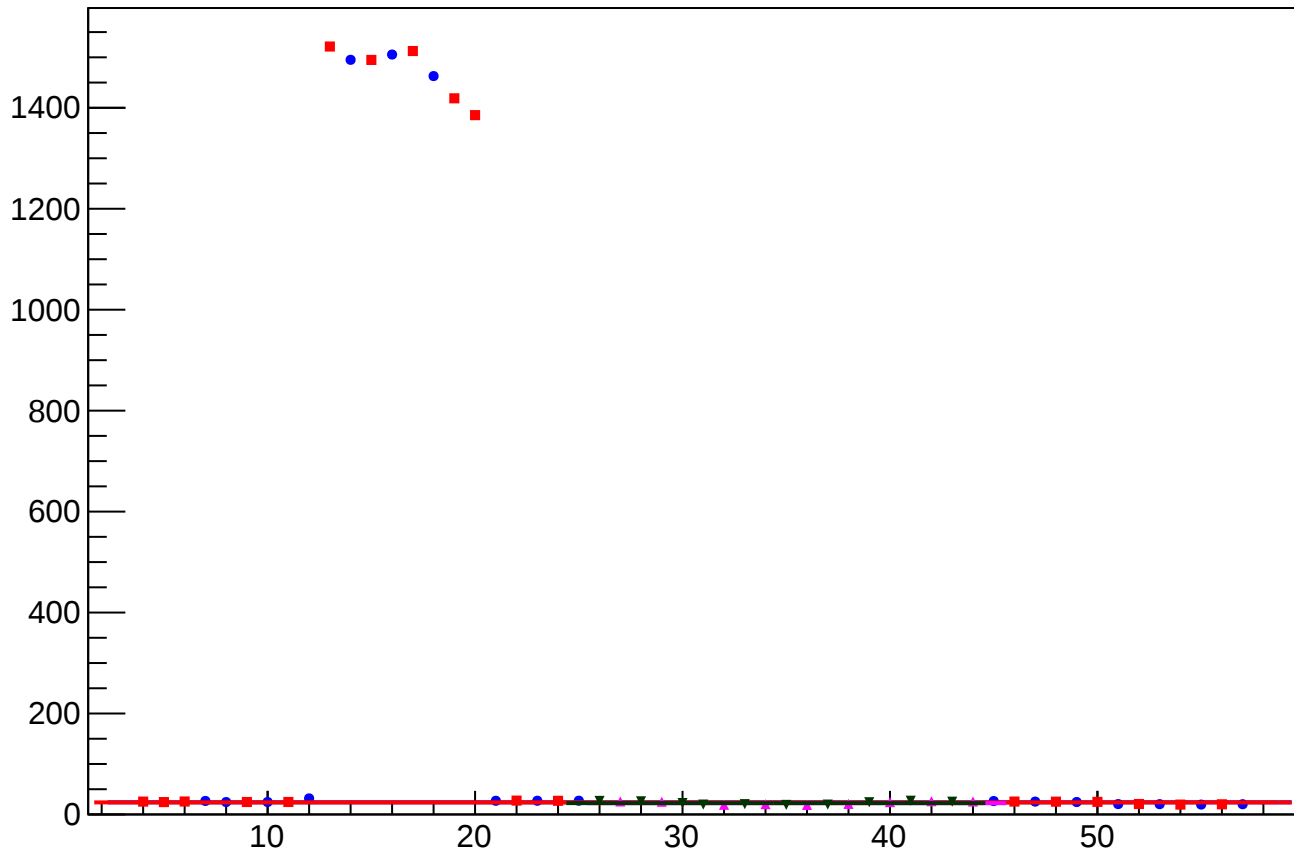
Right Out: 10.037 $\pm$ 9.208 χ^2 /NDF: 6.9/17

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

2.905 $\pm$ 6.409 χ^2 /NDF: 18.5/26

-4.764 $\pm$ 6.607 χ^2 /NDF: 22.0/26

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs slug



Right In: 24.041+/-0.006 χ^2/NDF : 4864942.7/16

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

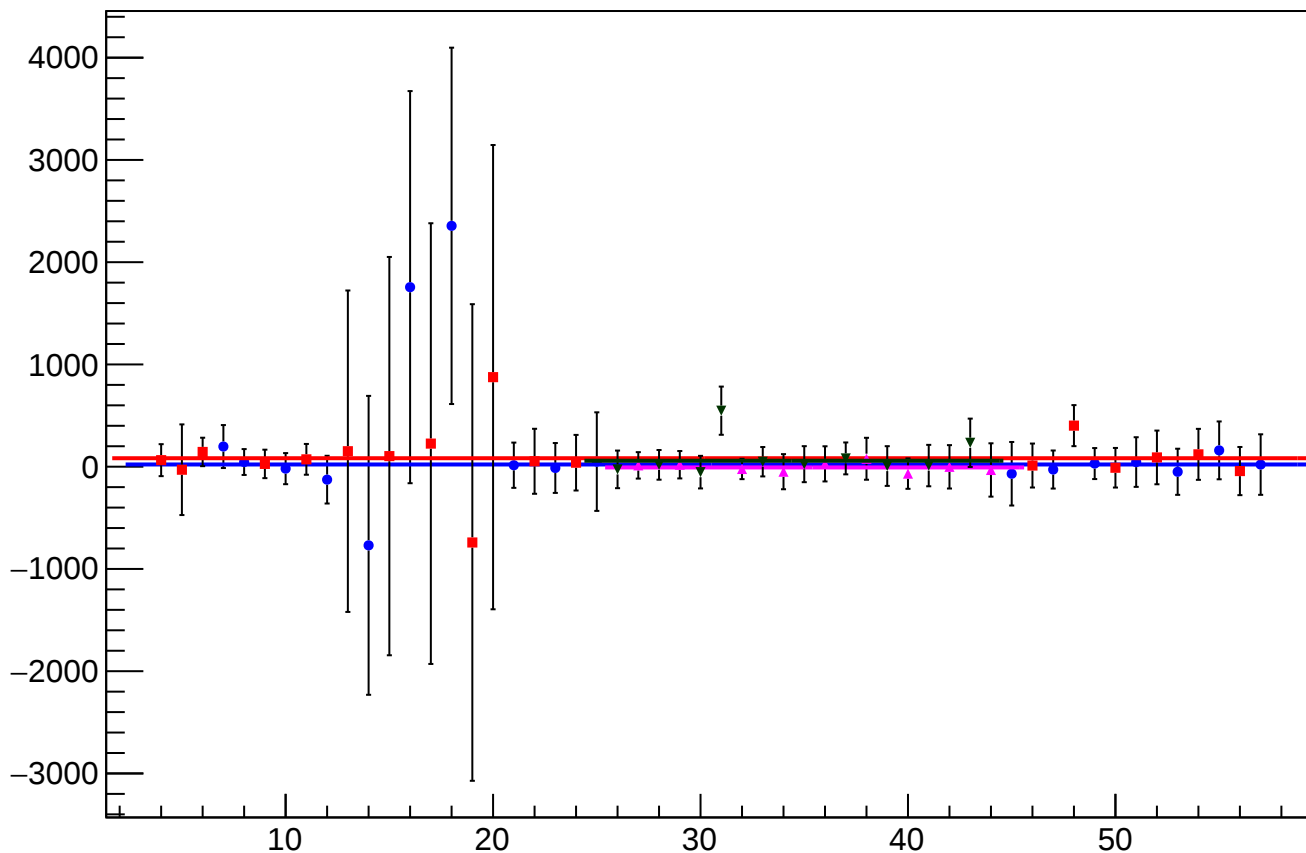
Right Out: 23.890+/-0.007 χ^2/NDF : 5516381.7/17

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

23.367+/-0.005 χ^2/NDF : 5086998.9/26

23.116+/-0.005 χ^2/NDF : 5739529.6/26

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs slug



Right In: 21.637 $\pm$ 54.829 χ^2 /NDF: 4.6/16

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

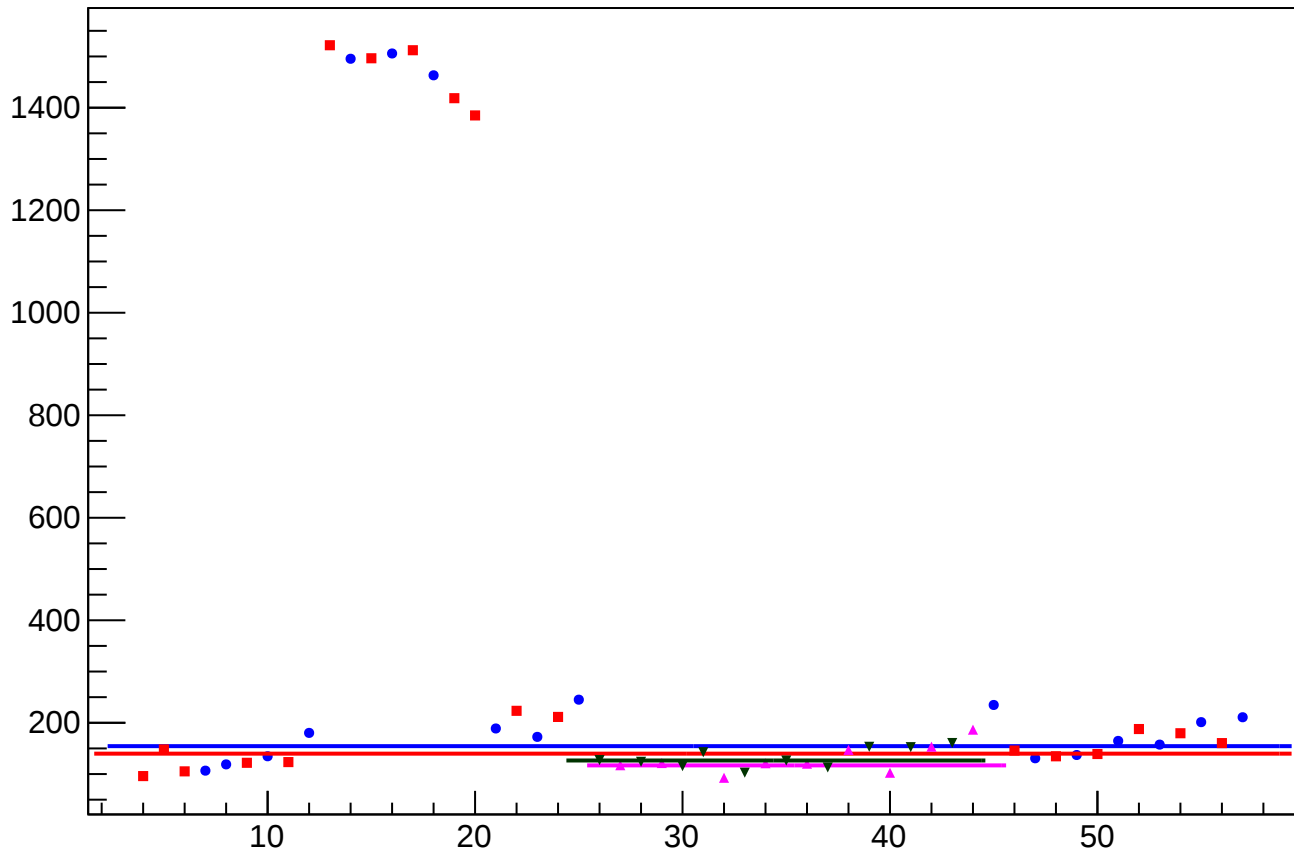
Right Out: 82.781 $\pm$ 54.245 χ^2 /NDF: 3.9/17

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

39.746 $\pm$ 38.995 χ^2 /NDF: 10.7/26

34.602 $\pm$ 37.007 χ^2 /NDF: 5.9/26

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs slug



Right In: 154.440+/-0.039 χ^2/NDF : 4578545.6/16

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

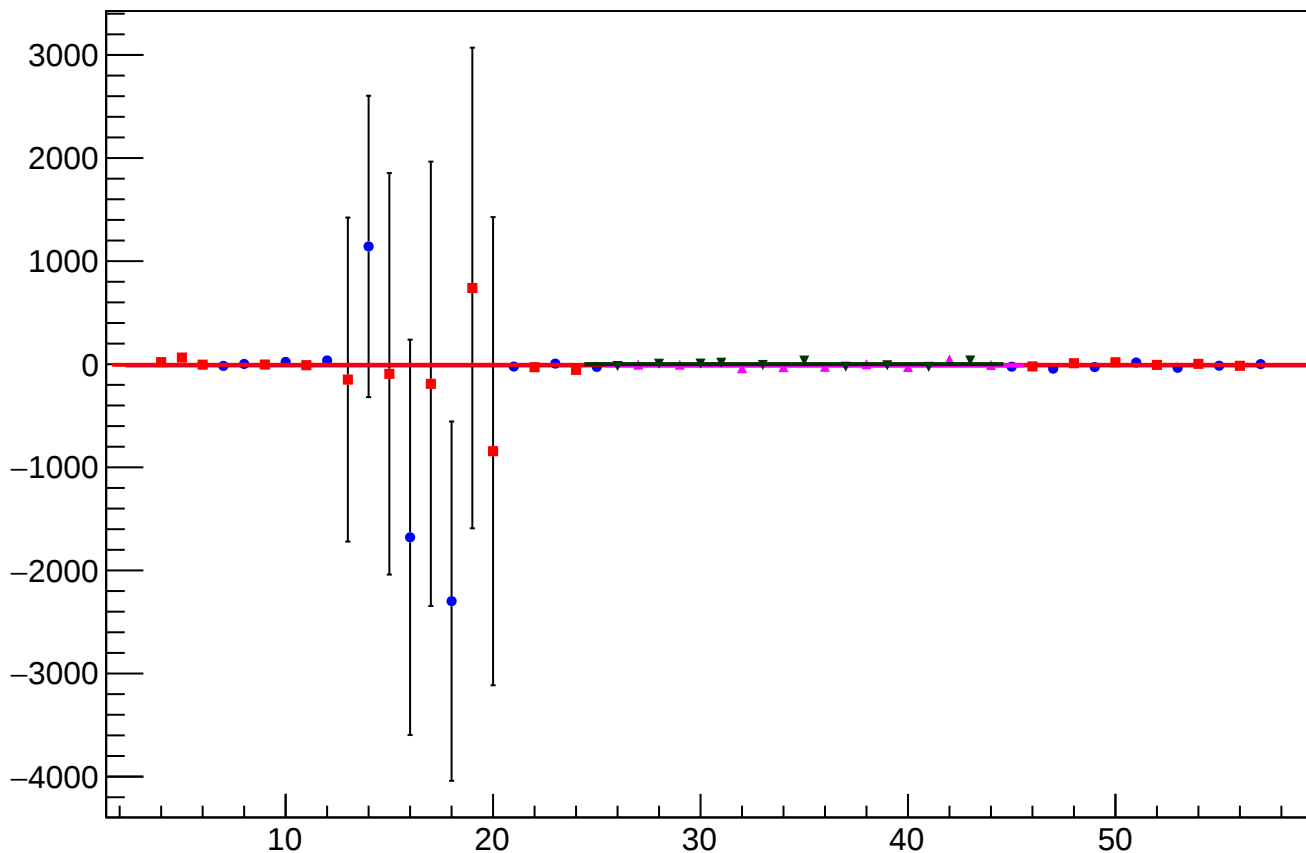
Right Out: 139.798+/-0.038 χ^2/NDF : 5282144.4/17

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

140.614+/-0.028 χ^2/NDF : 5037537.7/26

127.561+/-0.026 χ^2/NDF : 5859048.6/26

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs slug



Right In: -10.921 $\pm$ 6.132 χ^2 /NDF: 14.9/16

Left Out: 1.404 $\pm$ 7.049 χ^2 /NDF: 9.5/9

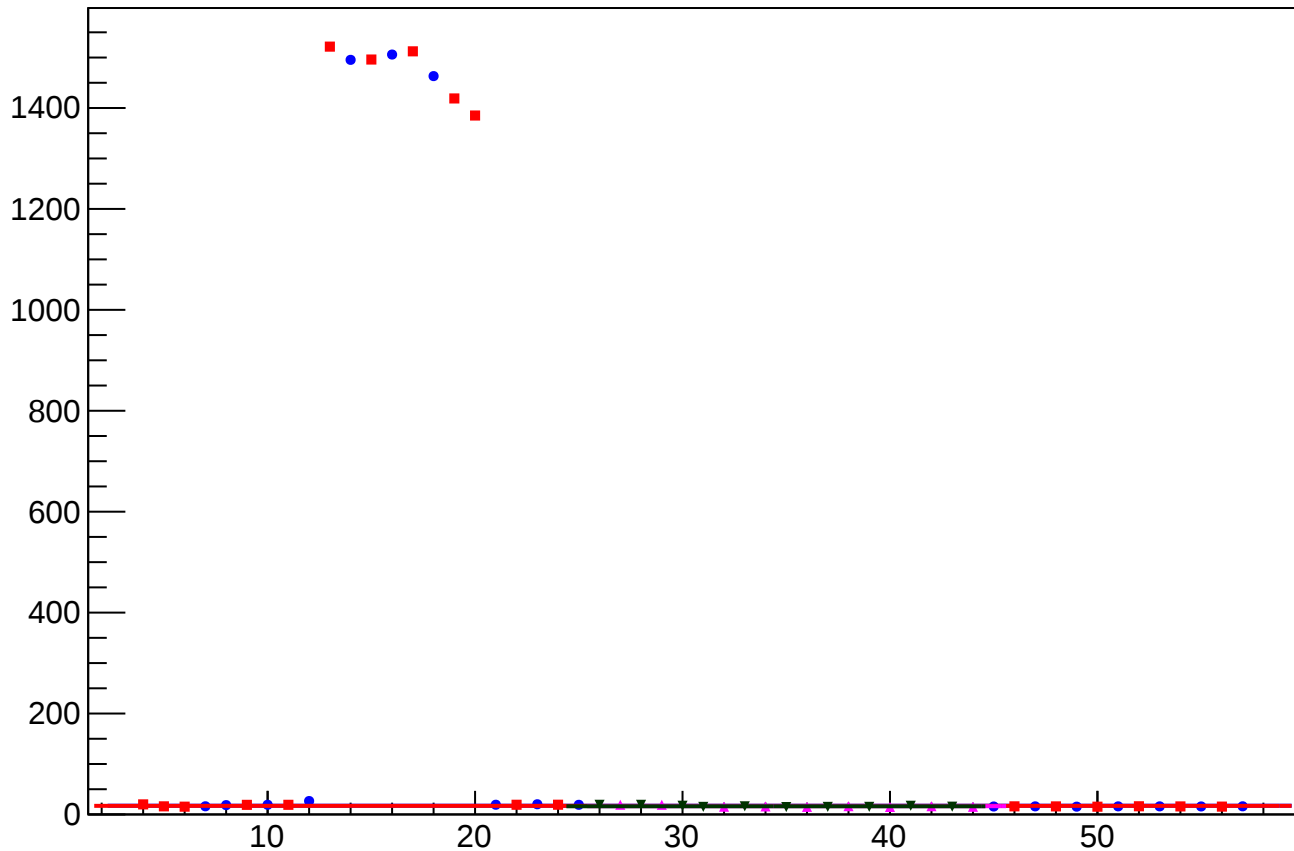
Right Out: -5.508 $\pm$ 6.587 χ^2 /NDF: 10.4/17

Left In: -12.005 $\pm$ 6.949 χ^2 /NDF: 11.5/8

-5.612 $\pm$ 4.626 χ^2 /NDF: 26.2/26

-8.583 $\pm$ 4.781 χ^2 /NDF: 22.3/26

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs slug



Right In: 17.327+/-0.004 χ^2/NDF : 4896709.7/16

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

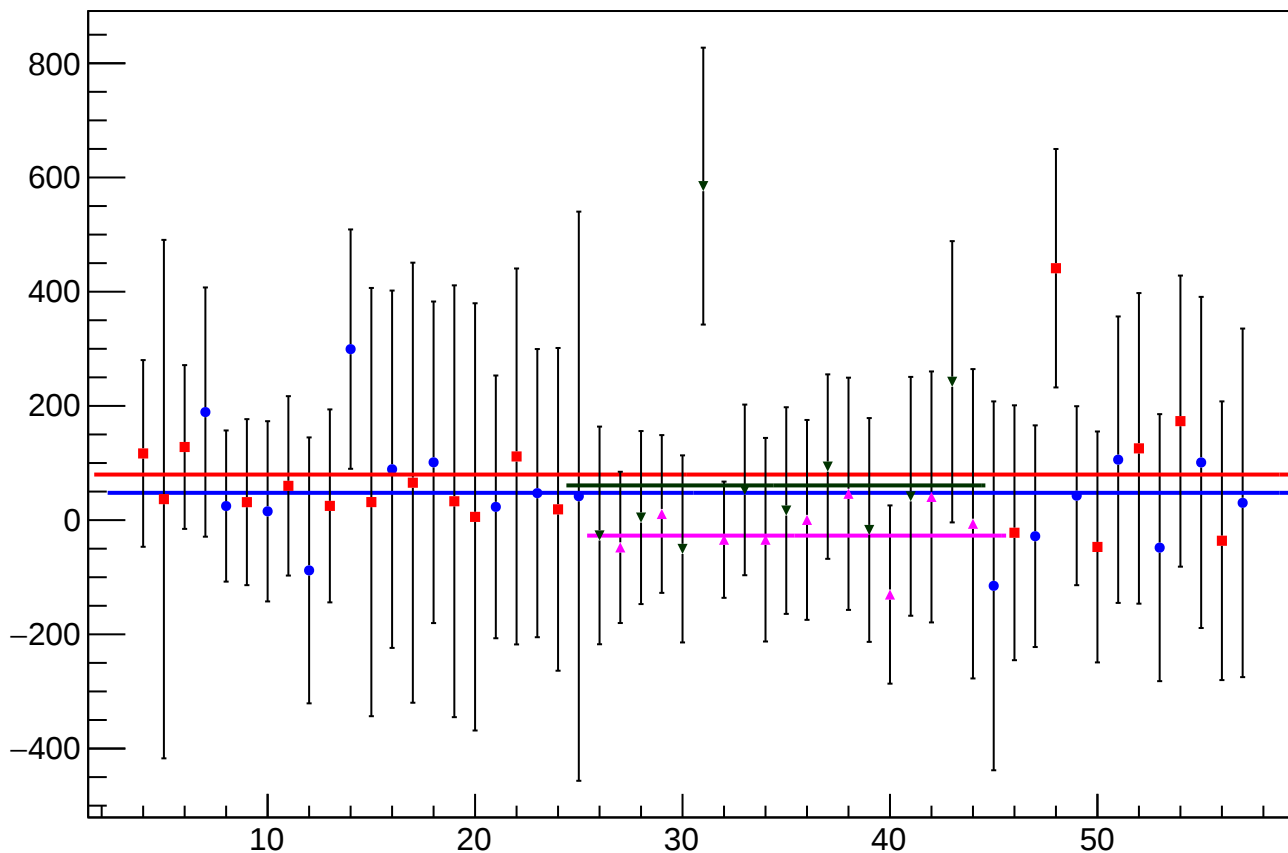
Right Out: 17.064+/-0.005 χ^2/NDF : 5528973.4/17

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

16.850+/-0.003 χ^2/NDF : 5021969.7/26

16.741+/-0.003 χ^2/NDF : 5643476.3/26

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs slug



Right In: 47.805+/-53.105 χ^2/NDF : 3.0/16

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

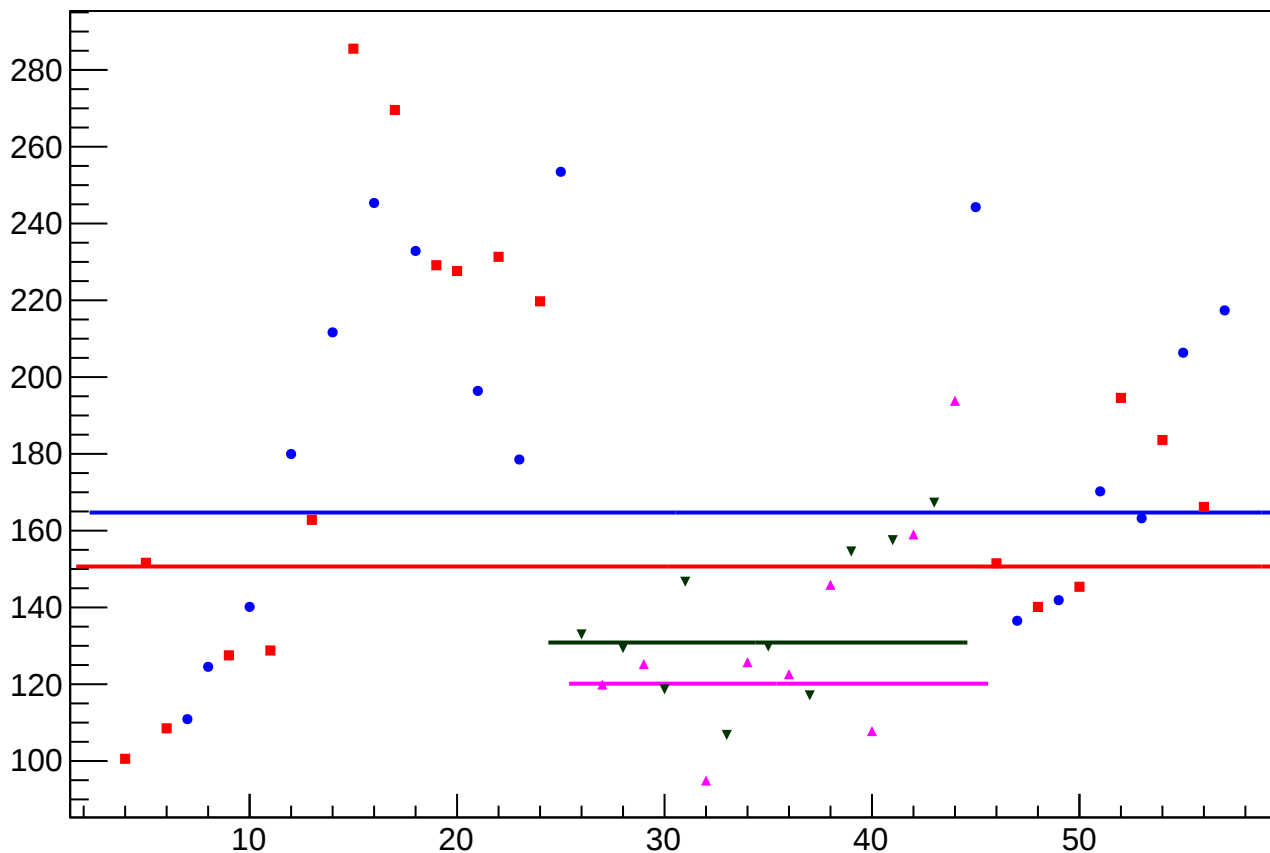
Right Out: 79.802+/-51.521 χ^2/NDF : 4.5/17

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

53.796+/-38.953 χ^2/NDF : 9.3/26

26.851+/-36.602 χ^2/NDF : 7.5/26

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs slug



Right In: 164.722+/-0.038 χ^2/NDF : 1128437.5/16

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

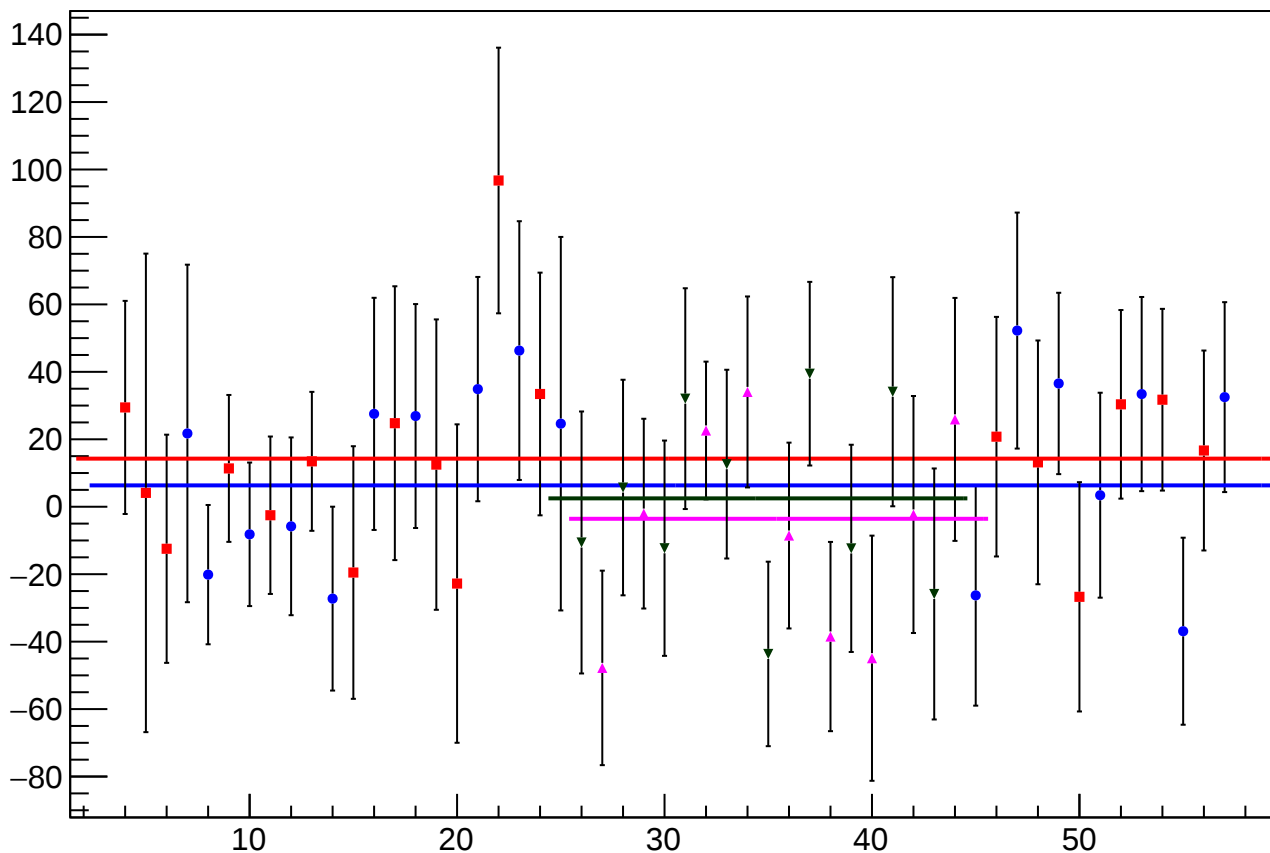
149.079+/-0.028 χ^2/NDF : 1696178.2/26

Right Out: 150.664+/-0.036 χ^2/NDF : 1420195.2/17

135.549+/-0.026 χ^2/NDF : 2151000.0/26

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: 6.332 ± 7.182 $\chi^2/\text{NDF}: 14.8/16$

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

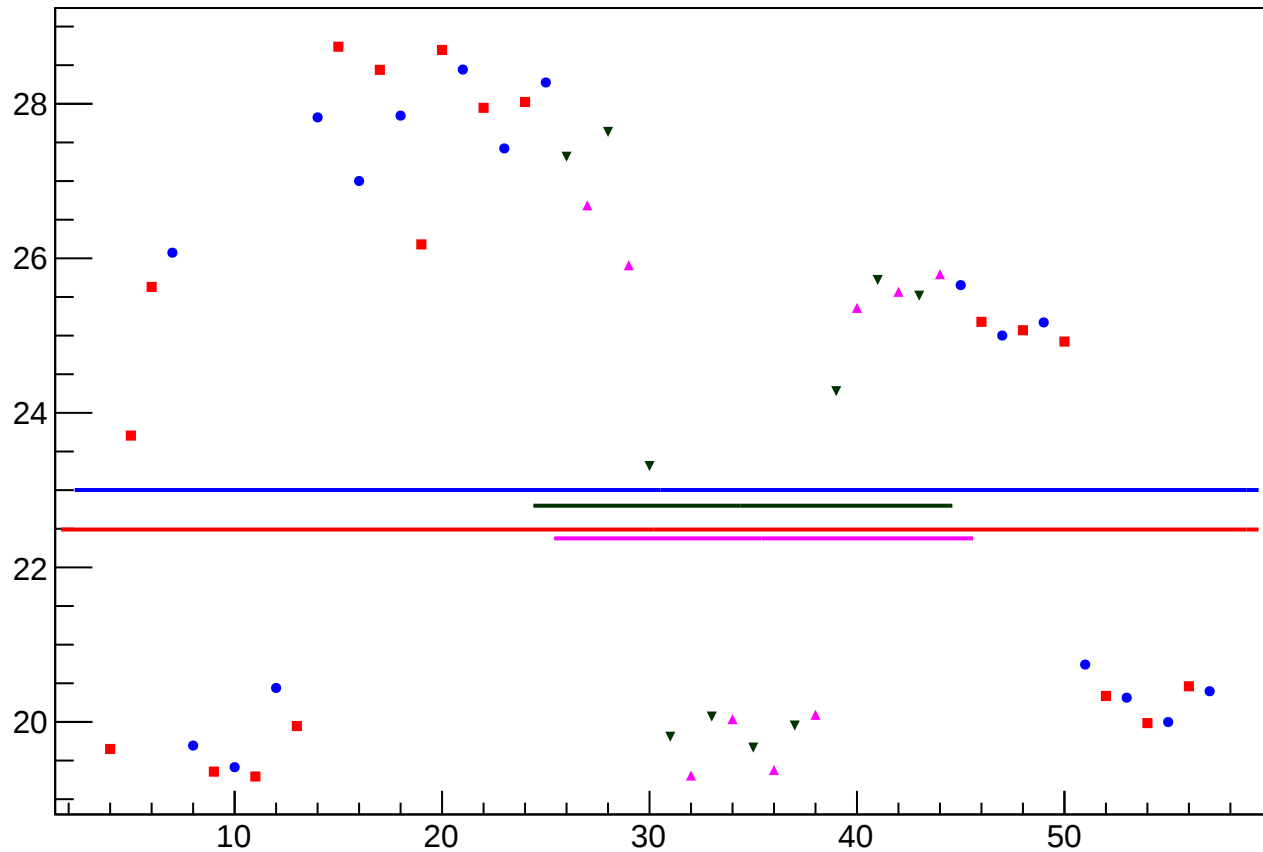
Right Out: 14.264 ± 7.389 $\chi^2/\text{NDF}: 9.8/17$

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

5.007 ± 5.817 $\chi^2/\text{NDF}: 22.5/26$

7.557 ± 5.837 $\chi^2/\text{NDF}: 21.3/26$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs slug



Right In: 23.002 $\pm$ 0.005 χ^2 /NDF: 466754.4/16

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

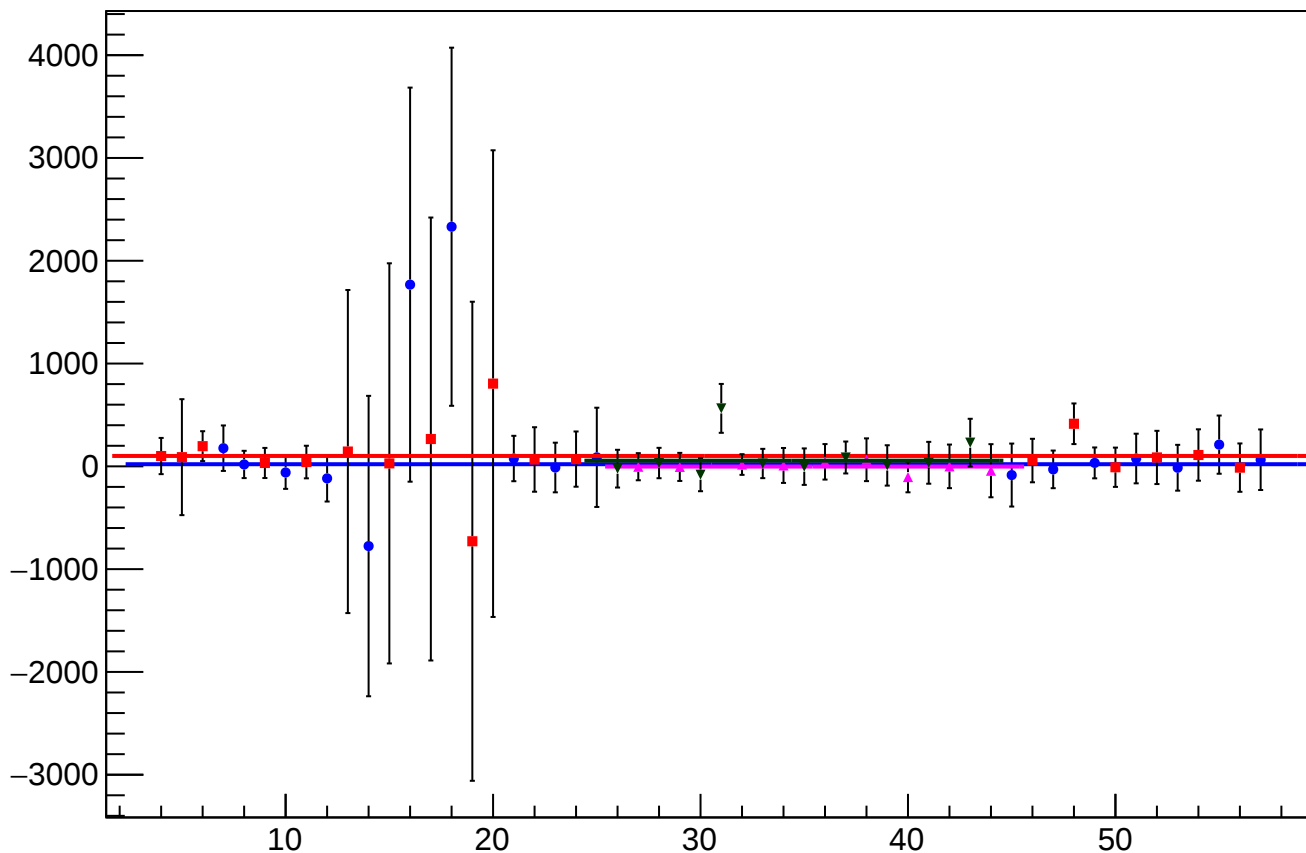
Right Out: 22.490 $\pm$ 0.005 χ^2 /NDF: 447371.5/17

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

22.932 $\pm$ 0.004 χ^2 /NDF: 654556.3/26

22.447 $\pm$ 0.004 χ^2 /NDF: 667586.0/26

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs slug



Right In: 20.699+/-55.430 χ^2/NDF : 4.9/16

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

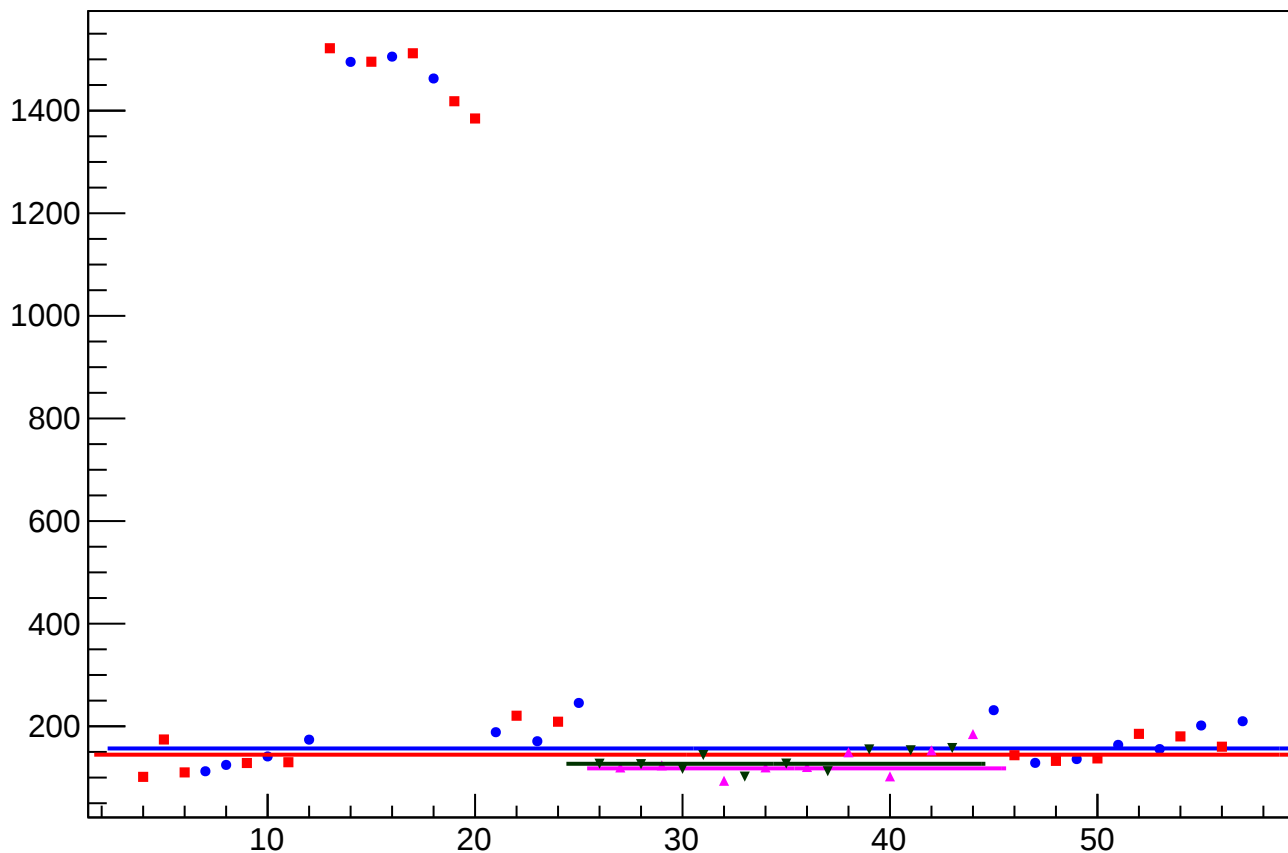
Right Out: 101.174+/-56.029 χ^2/NDF : 4.2/17

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

37.974+/-39.282 χ^2/NDF : 11.4/26

44.664+/-37.728 χ^2/NDF : 6.7/26

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs slug



Right In: 156.755+/-0.039 χ^2/NDF : 4455939.2/16

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

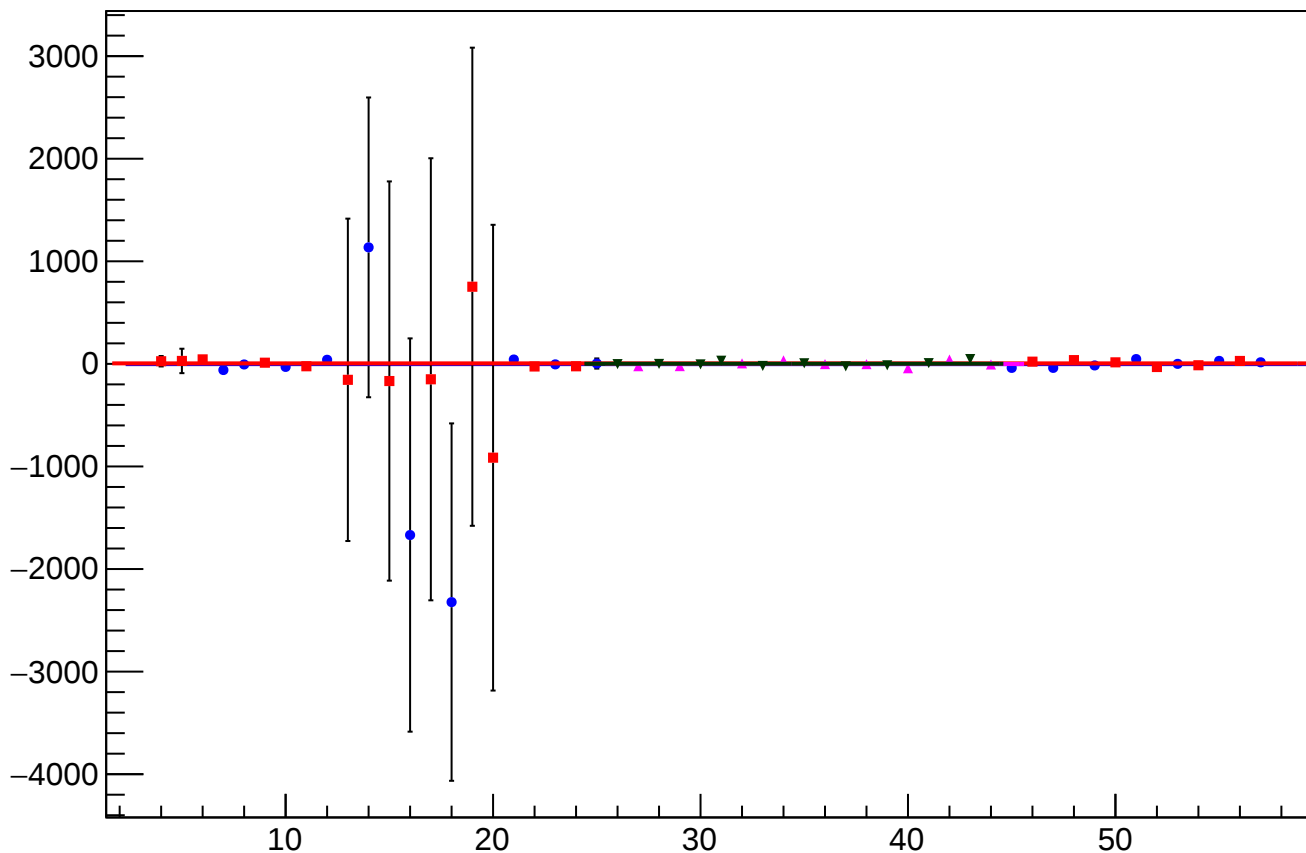
Right Out: 144.635+/-0.040 χ^2/NDF : 5119550.8/17

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

141.893+/-0.028 χ^2/NDF : 4950890.9/26

130.046+/-0.027 χ^2/NDF : 5744620.0/26

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs slug



Right In: -2.486+/-7.865 χ^2/NDF : 17.4/16

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

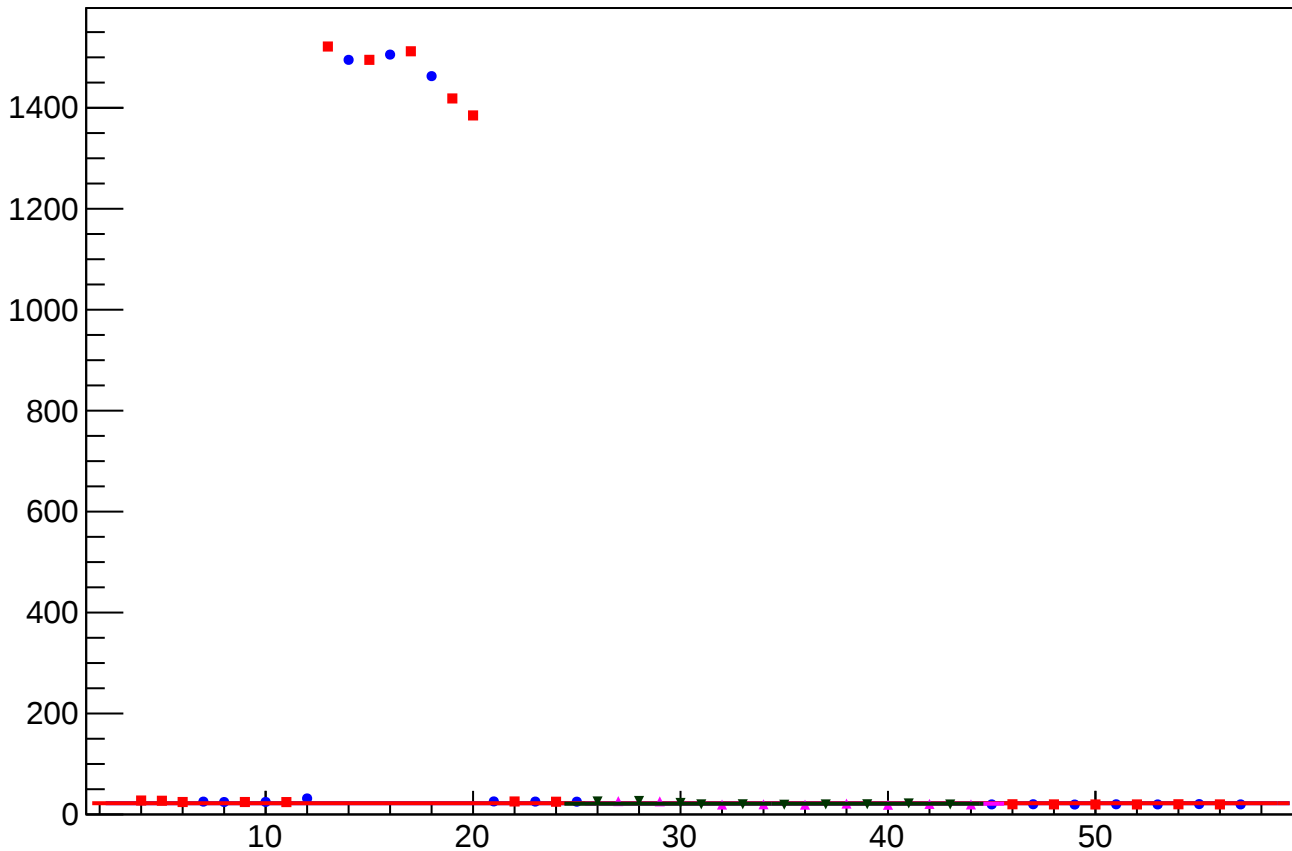
Right Out: 4.948+/-8.686 χ^2/NDF : 8.9/17

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

-0.953+/-5.993 χ^2/NDF : 22.7/26

1.801+/-6.265 χ^2/NDF : 16.5/26

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs slug



Right In: 22.273+/-0.006 χ^2/NDF : 4897002.0/16

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

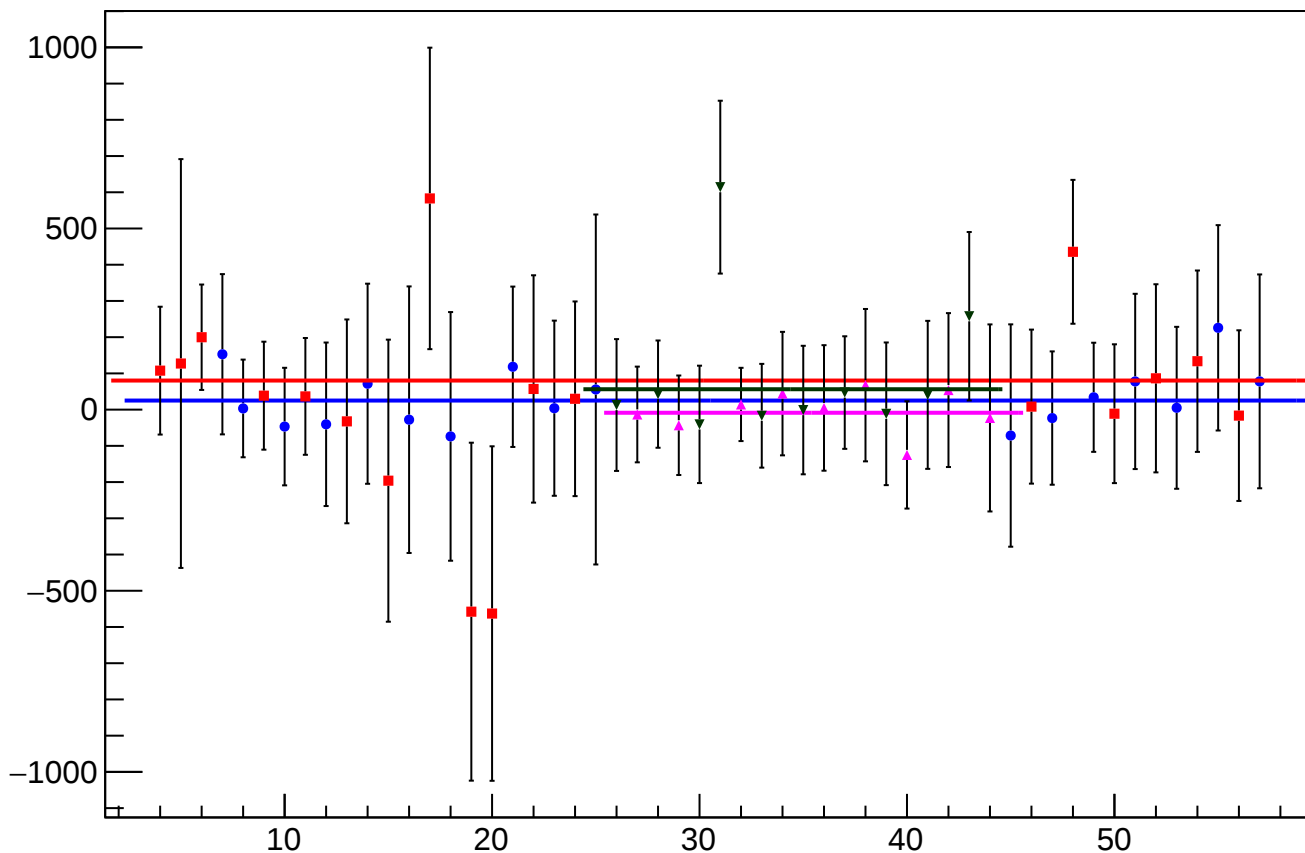
Right Out: 22.263+/-0.006 χ^2/NDF : 5538778.3/17

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

21.863+/-0.004 χ^2/NDF : 5038965.1/26

21.804+/-0.004 χ^2/NDF : 5710263.2/26

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs slug



Right In: 25.057+/-53.518 χ^2/NDF : 1.7/16

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

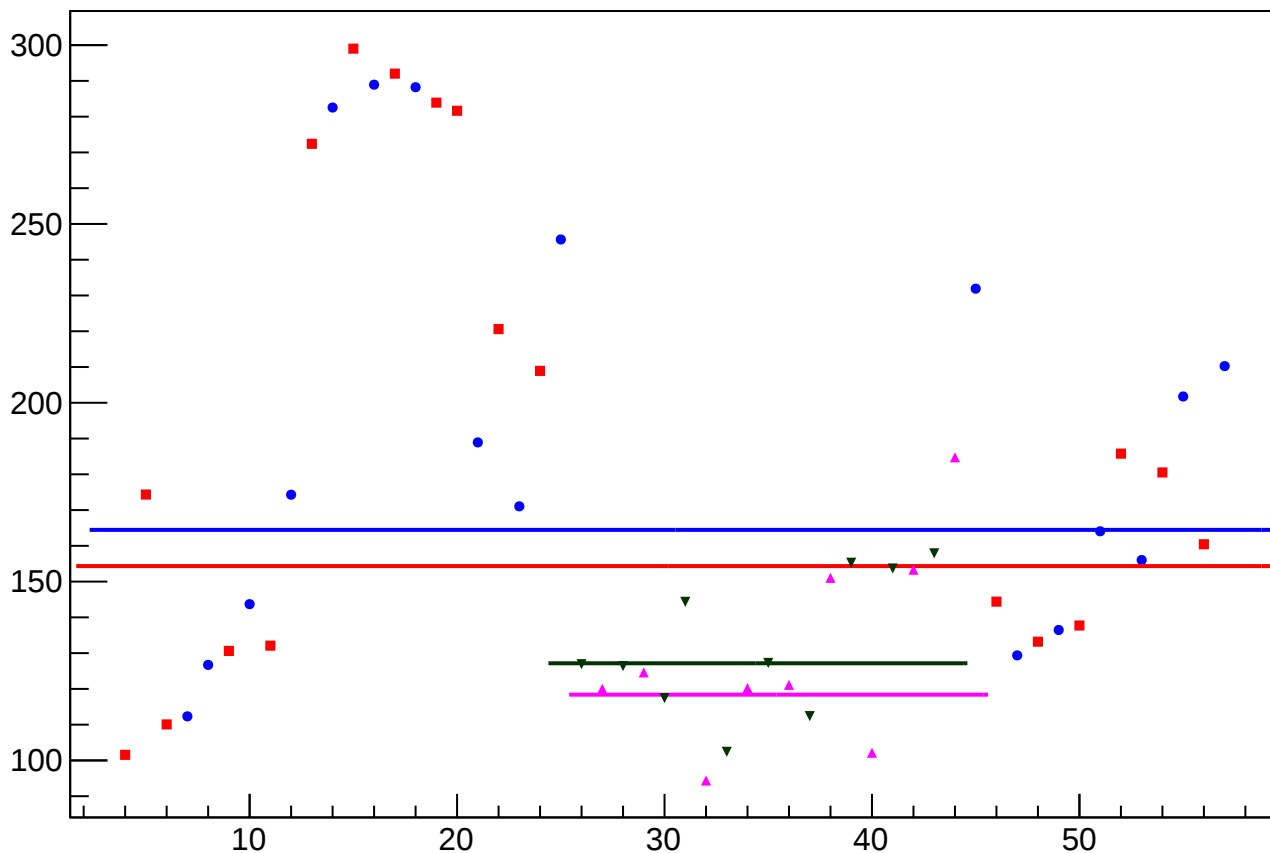
Right Out: 80.296+/-53.618 χ^2/NDF : 10.6/17

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

40.044+/-38.609 χ^2/NDF : 9.0/26

33.785+/-37.036 χ^2/NDF : 13.1/26

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs slug



Right In: 164.463+/-0.038 χ^2/NDF : 1565640.9/16

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

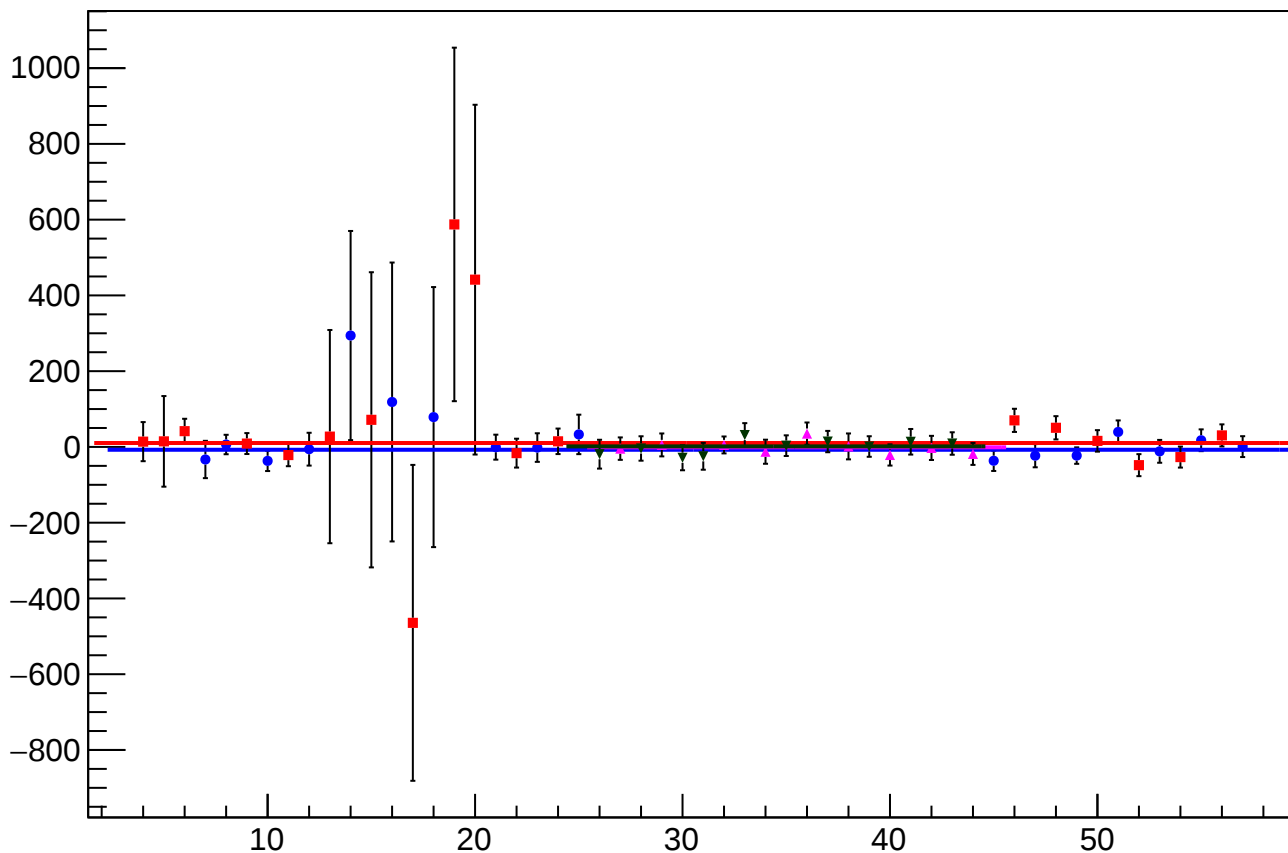
146.577+/-0.027 χ^2/NDF : 2236368.7/26

Right Out: 154.342+/-0.038 χ^2/NDF : 1875540.5/17

135.542+/-0.026 χ^2/NDF : 2722205.7/26

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: -7.496+/-8.126 χ^2/NDF : 9.0/16

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

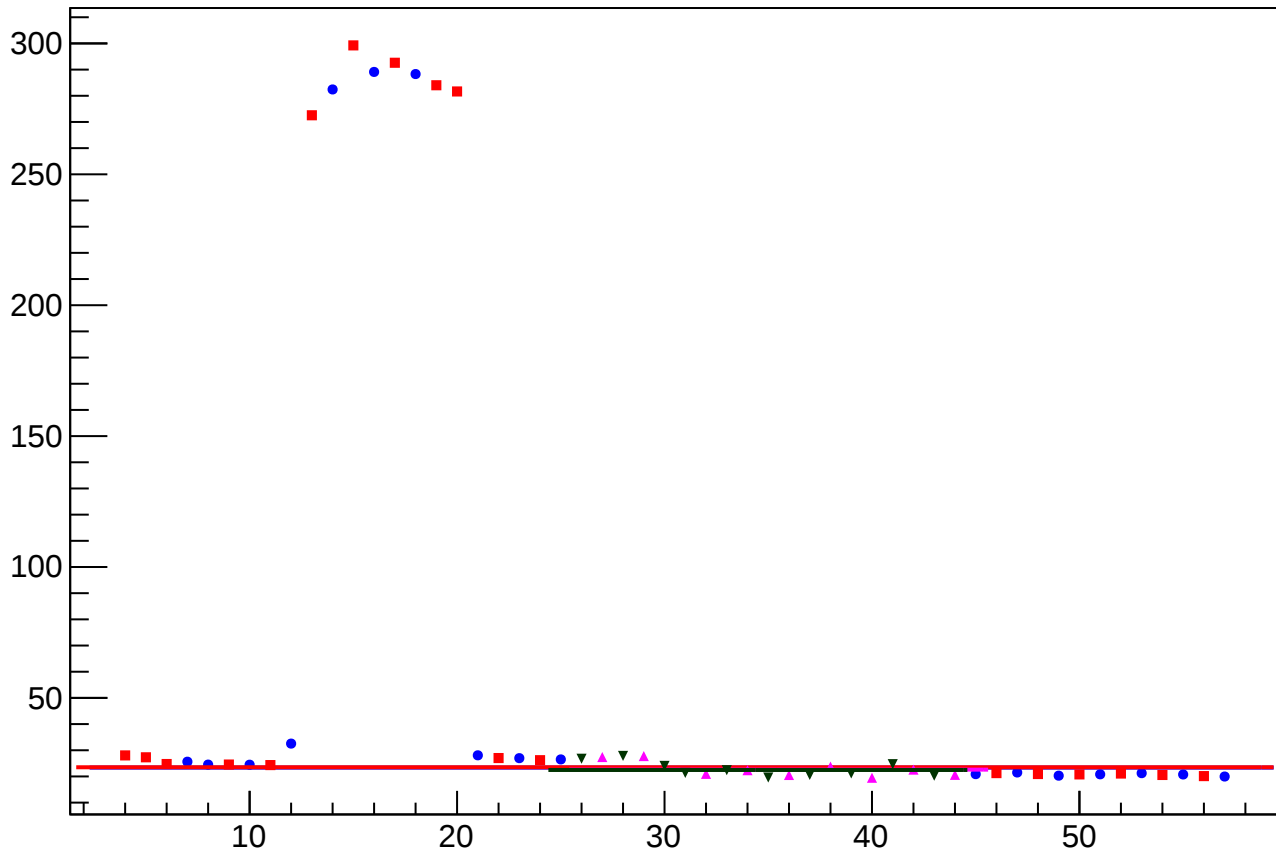
Right Out: 10.347+/-8.946 χ^2/NDF : 18.2/17

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

-3.873+/-6.262 χ^2/NDF : 12.5/26

5.099+/-6.566 χ^2/NDF : 21.7/26

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs slug



Right In: 23.373+/-0.006 χ^2/NDF : 4297951.3/16

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

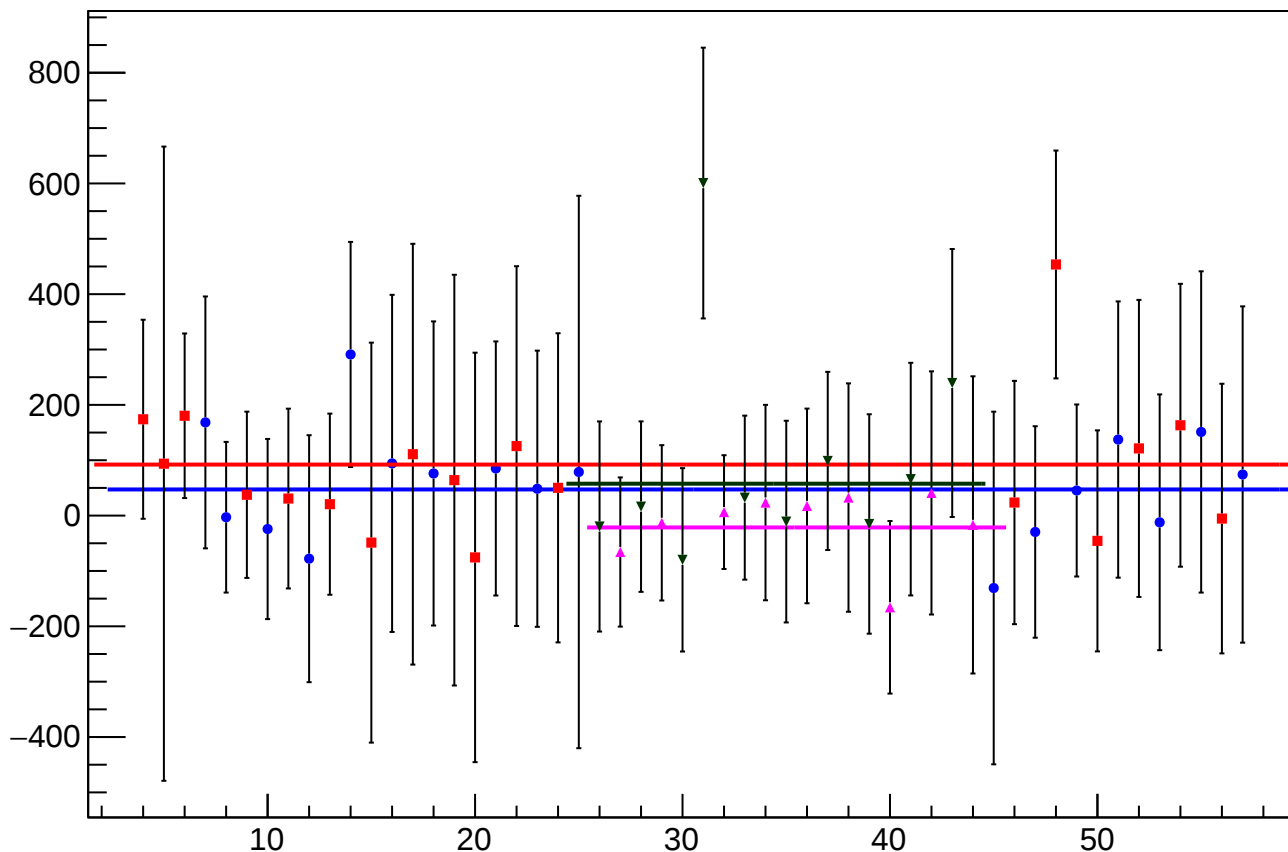
23.006+/-0.004 χ^2/NDF : 4450919.8/26

Right Out: 23.503+/-0.006 χ^2/NDF : 4810502.6/17

23.086+/-0.005 χ^2/NDF : 4988034.1/26

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

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs slug



Right In: 47.222+/-53.099 χ^2/NDF : 3.2/16

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

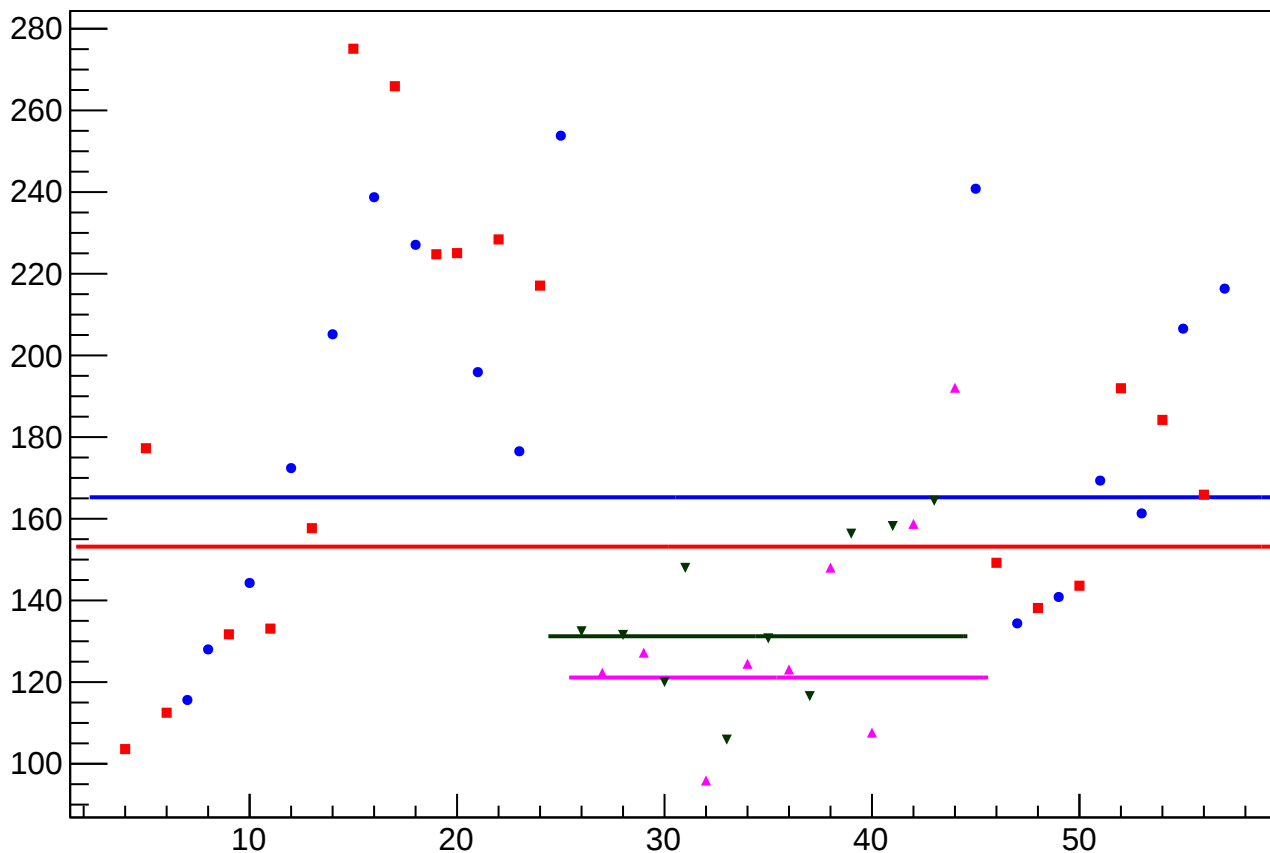
Right Out: 92.187+/-52.283 χ^2/NDF : 5.3/17

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

51.998+/-39.005 χ^2/NDF : 10.1/26

35.504+/-37.009 χ^2/NDF : 9.0/26

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs slug



Right In: 165.262+/-0.038 χ^2/NDF : 990483.5/16

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

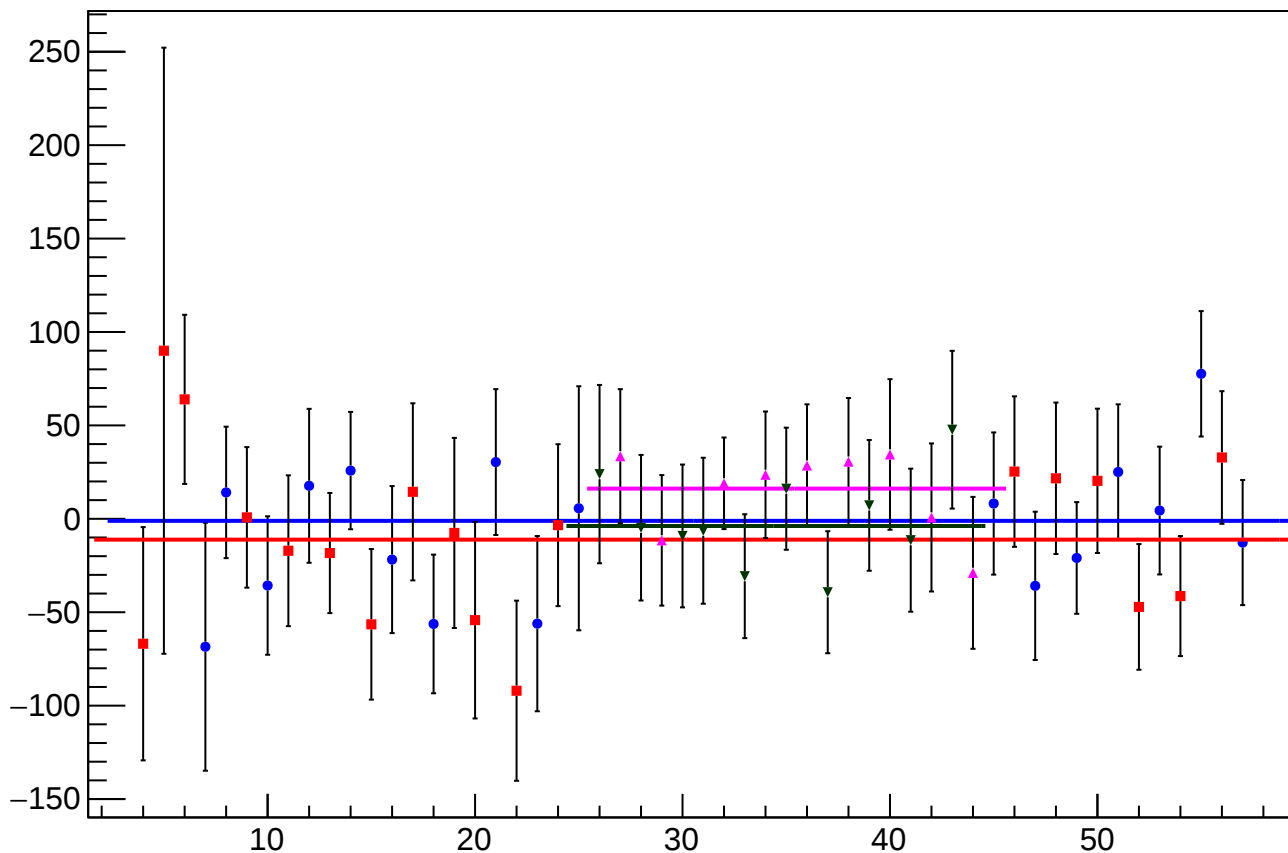
149.592+/-0.028 χ^2/NDF : 1565171.4/26

Right Out: 153.173+/-0.037 χ^2/NDF : 1236983.6/17

137.181+/-0.026 χ^2/NDF : 1984906.1/26

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: -1.086 ± 9.157 χ^2/NDF : 15.0/16

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

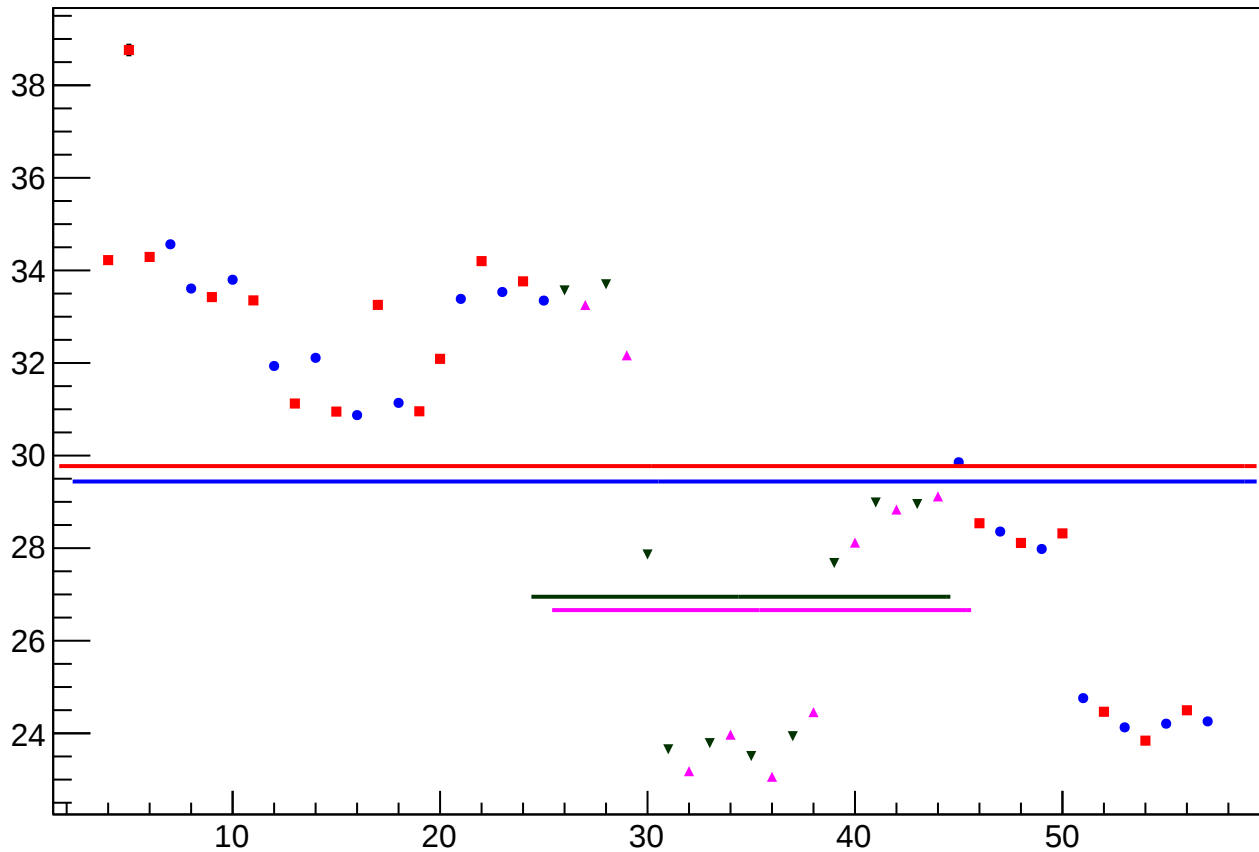
Right Out: -11.140 ± 9.814 χ^2/NDF : 14.9/17

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

-2.131 ± 7.215 χ^2/NDF : 19.2/26

0.561 ± 7.419 χ^2/NDF : 21.0/26

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs slug



Right In: 29.440 $\pm$ 0.006 χ^2/NDF : 323837.3/16

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

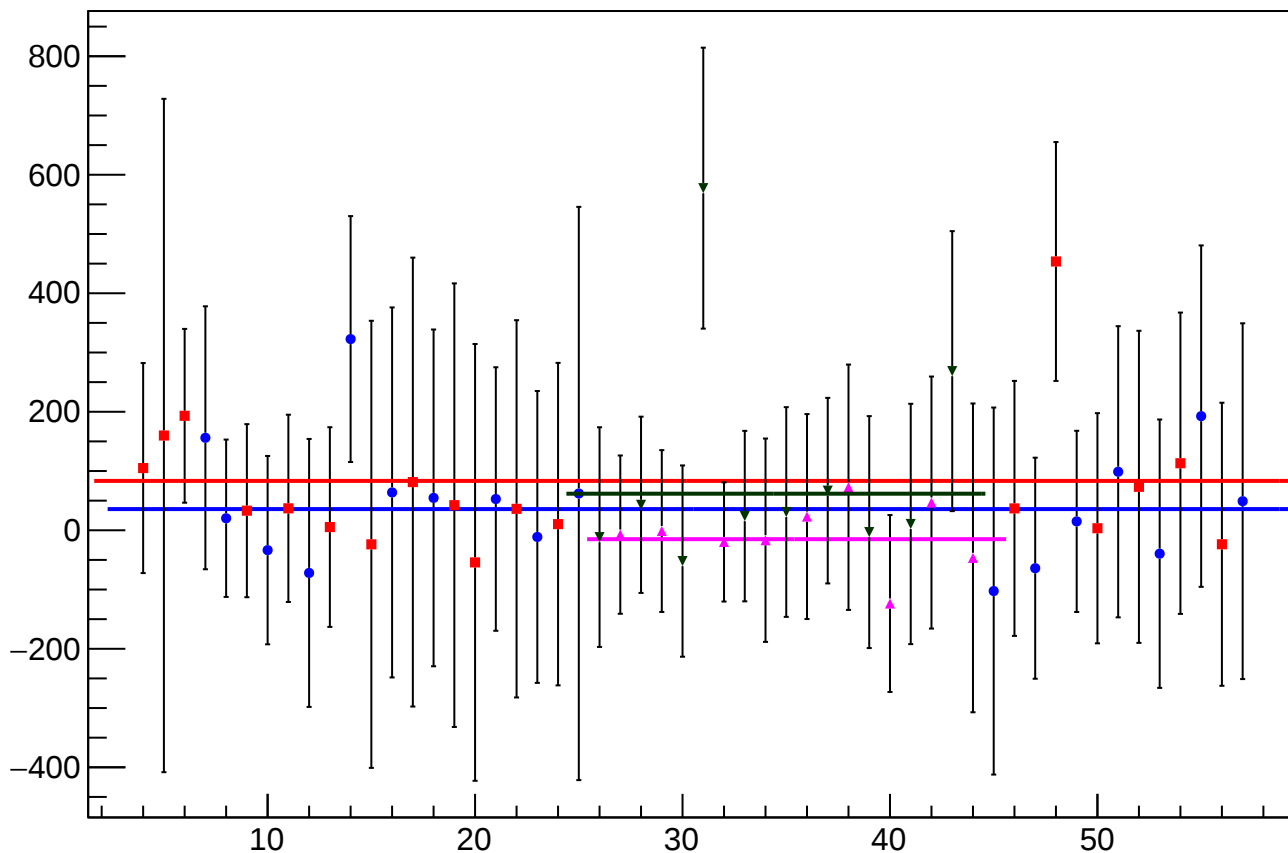
Right Out: 29.773 $\pm$ 0.007 χ^2/NDF : 295873.6/17

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

28.496 $\pm$ 0.005 χ^2/NDF : 562181.7/26

28.440 $\pm$ 0.005 χ^2/NDF : 600408.4/26

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs slug



Right In: 35.761 $\pm$ 52.402 χ^2 /NDF: 3.7/16

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

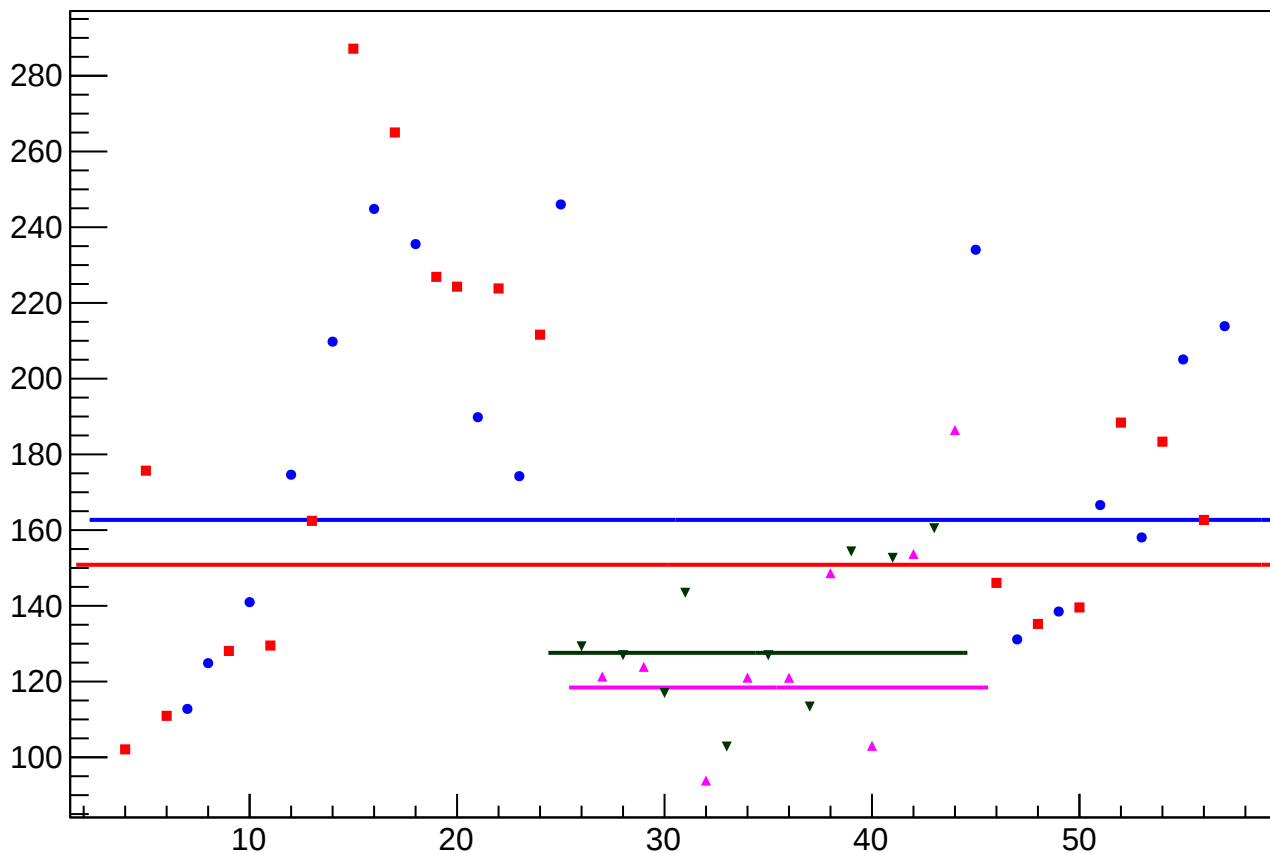
Right Out: 83.323 $\pm$ 51.600 χ^2 /NDF: 5.1/17

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

47.906 $\pm$ 38.235 χ^2 /NDF: 10.2/26

33.802 $\pm$ 36.357 χ^2 /NDF: 7.8/26

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs slug



Right In: 162.700 $\pm$ 0.037 χ^2/NDF : 1089097.0/16

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

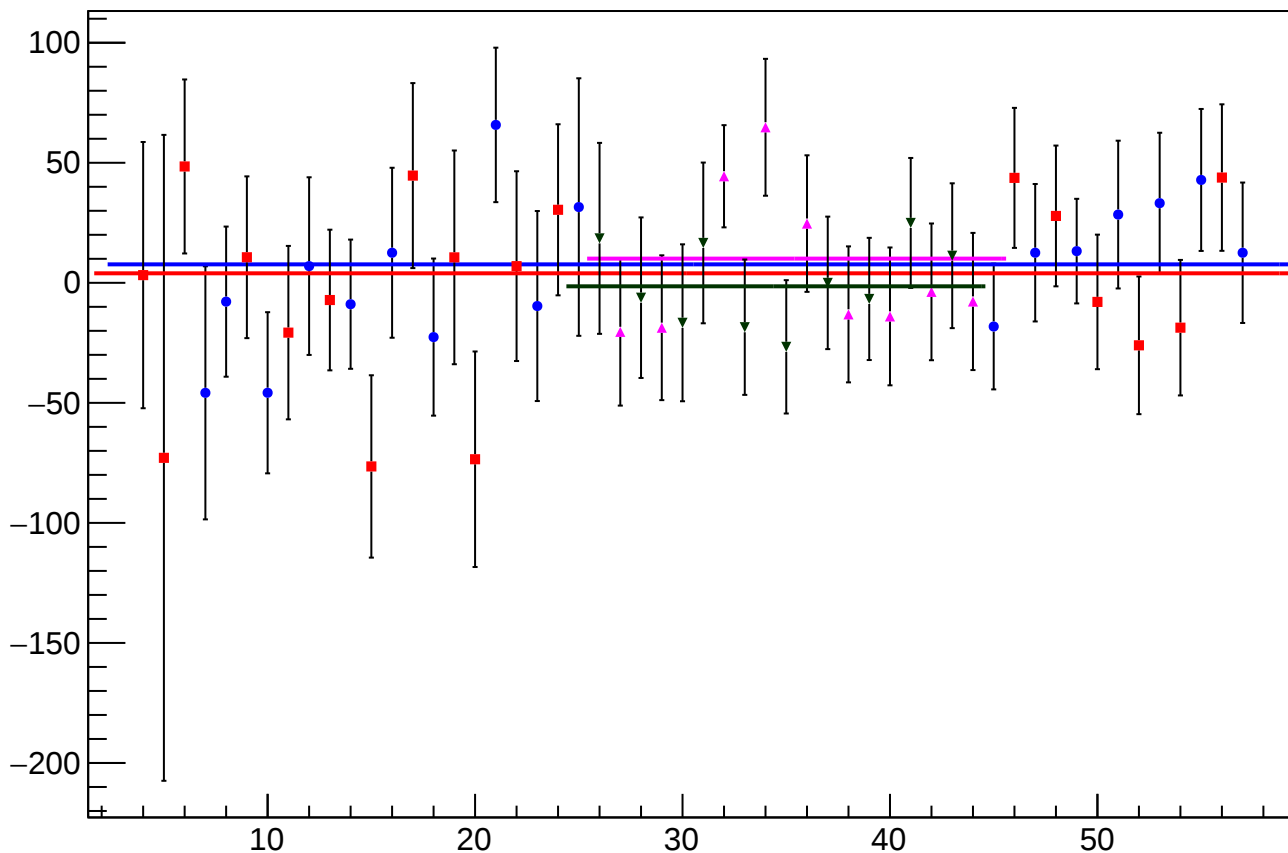
Right Out: 150.844 $\pm$ 0.036 χ^2/NDF : 1305360.0/17

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

146.279 $\pm$ 0.027 χ^2/NDF : 1709412.3/26

134.521 $\pm$ 0.026 χ^2/NDF : 2082359.0/26

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs slug



Right In: 7.689 $\pm$ 7.585 χ^2 /NDF: 12.4/16

Left Out: -1.457 $\pm$ 9.435 χ^2 /NDF:3.1/9

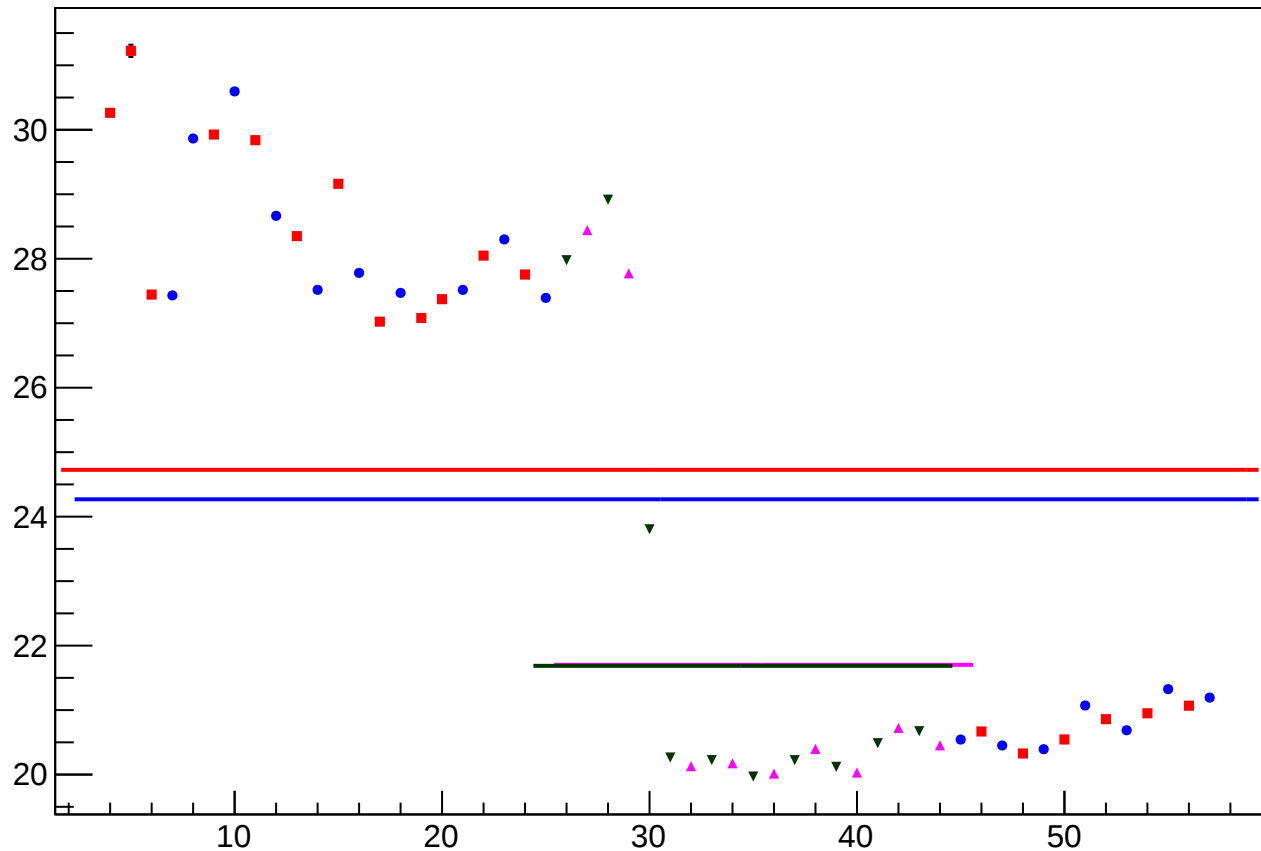
Right Out: 3.960 $\pm$ 8.190 χ^2 /NDF: 17.8/17

Left In: 10.080 $\pm$ 9.225 χ^2 /NDF:10.4/8

4.099 $\pm$ 5.911 χ^2 /NDF: 16.2/26

6.657 $\pm$ 6.125 χ^2 /NDF: 28.5/26

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs slug



Right In: 24.269+/-0.005 χ^2/NDF : 519187.1/16

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

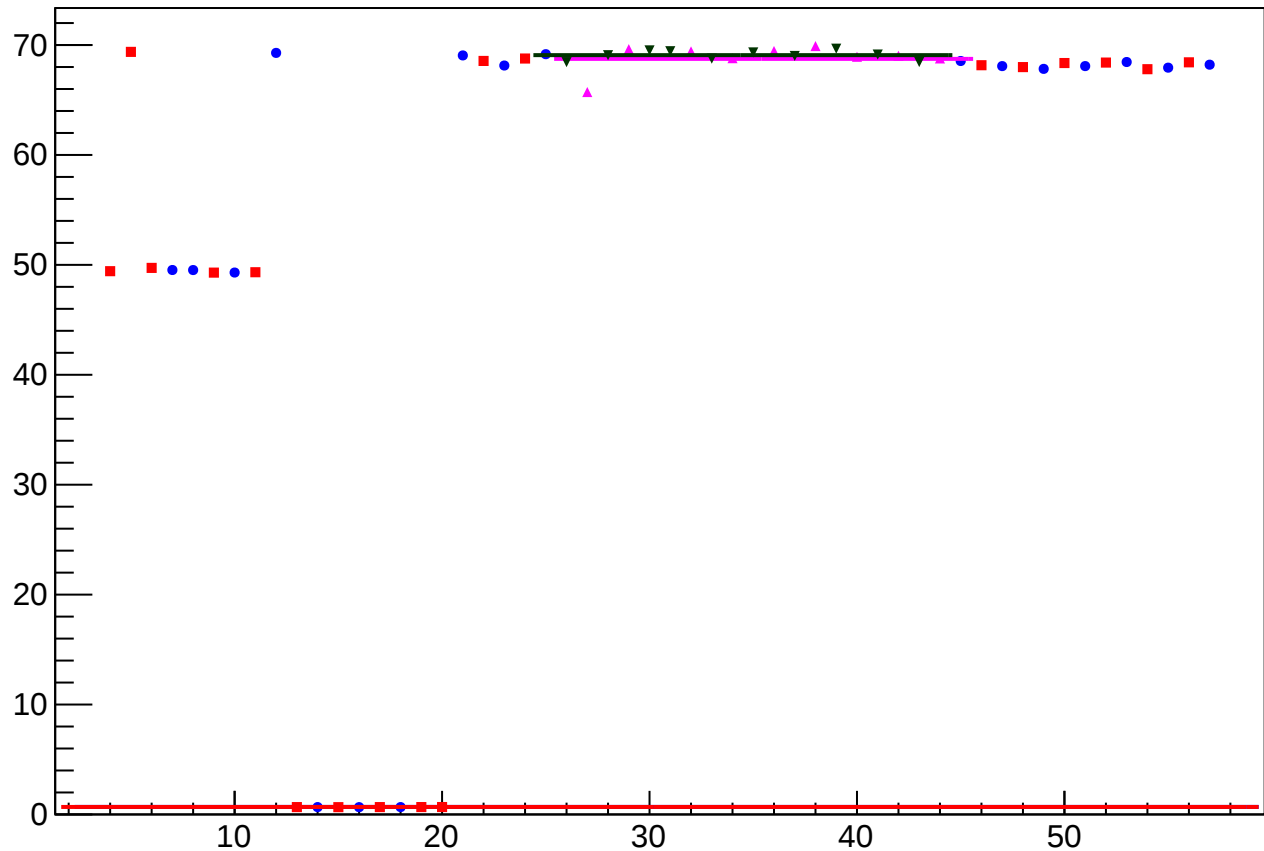
Right Out: 24.727+/-0.006 χ^2/NDF : 458928.3/17

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

23.255+/-0.004 χ^2/NDF : 798171.0/26

23.393+/-0.004 χ^2/NDF : 797444.3/26

yield_bcm_an_ds_mean vs slug



Right In: 0.686+/-0.000 χ^2/NDF : 943329194133.1/16

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

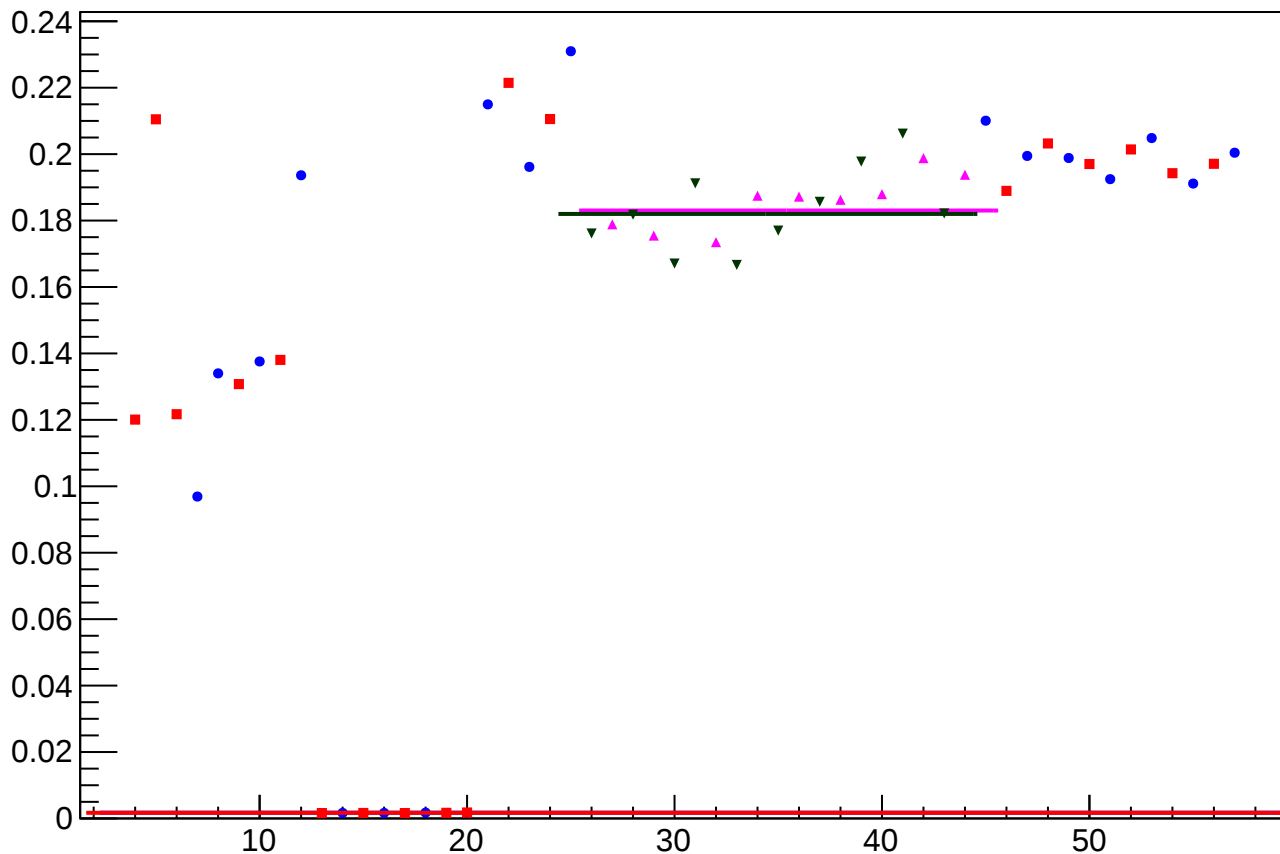
0.699+/-0.000 χ^2/NDF : 1672148139314.5/26

Right Out: 0.683+/-0.000 χ^2/NDF : 787753991130.5/17

0.694+/-0.000 χ^2/NDF : 1537851018219.5/26

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 : 15367757.1/16

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

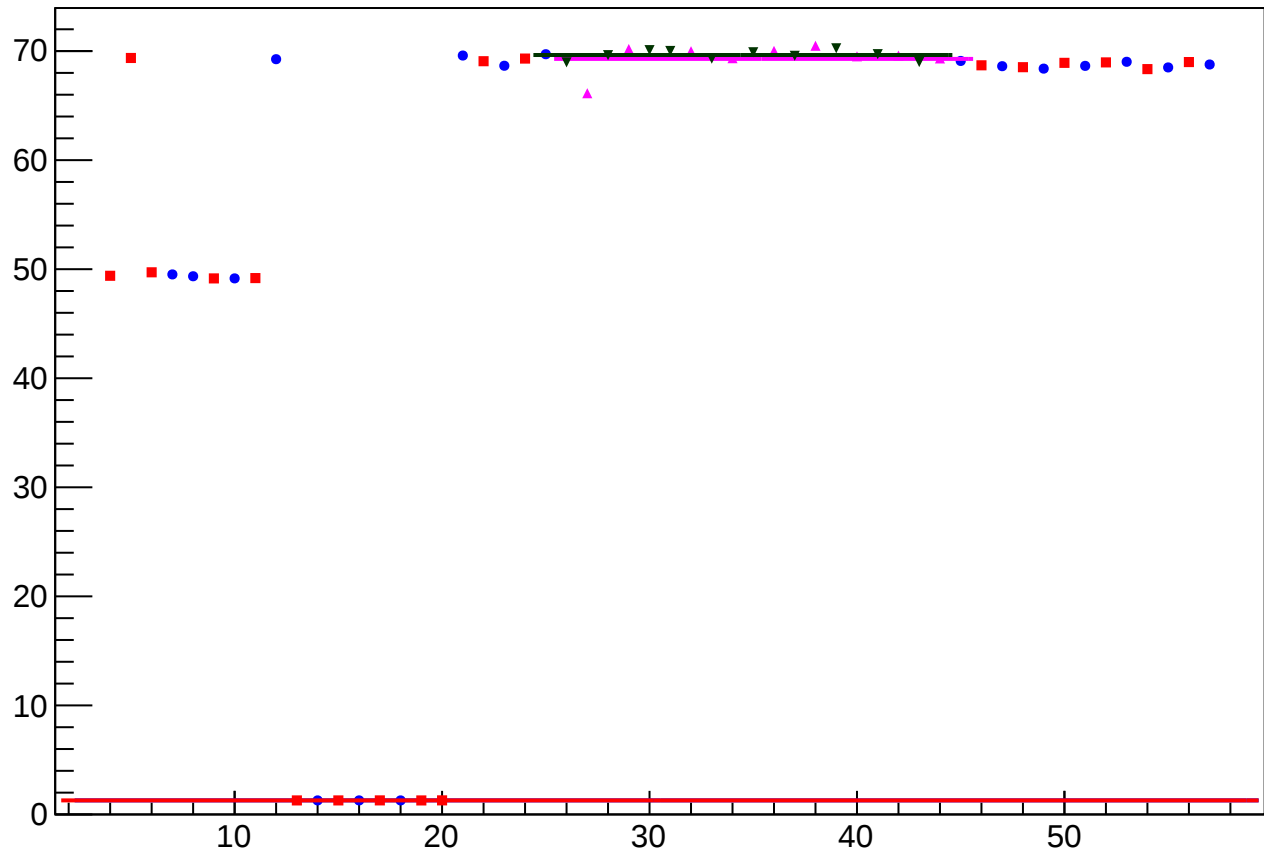
Right Out: 0.002+/-0.000 χ^2/NDF : 12496723.9/17

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

0.002+/-0.000 χ^2/NDF : 25535560.8/26

0.002+/-0.000 χ^2/NDF : 23162376.6/26

yield_bcm_an_ds3_mean vs slug



Right In: 1.291+/-0.000 χ^2/NDF : 921332005831.7/16

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

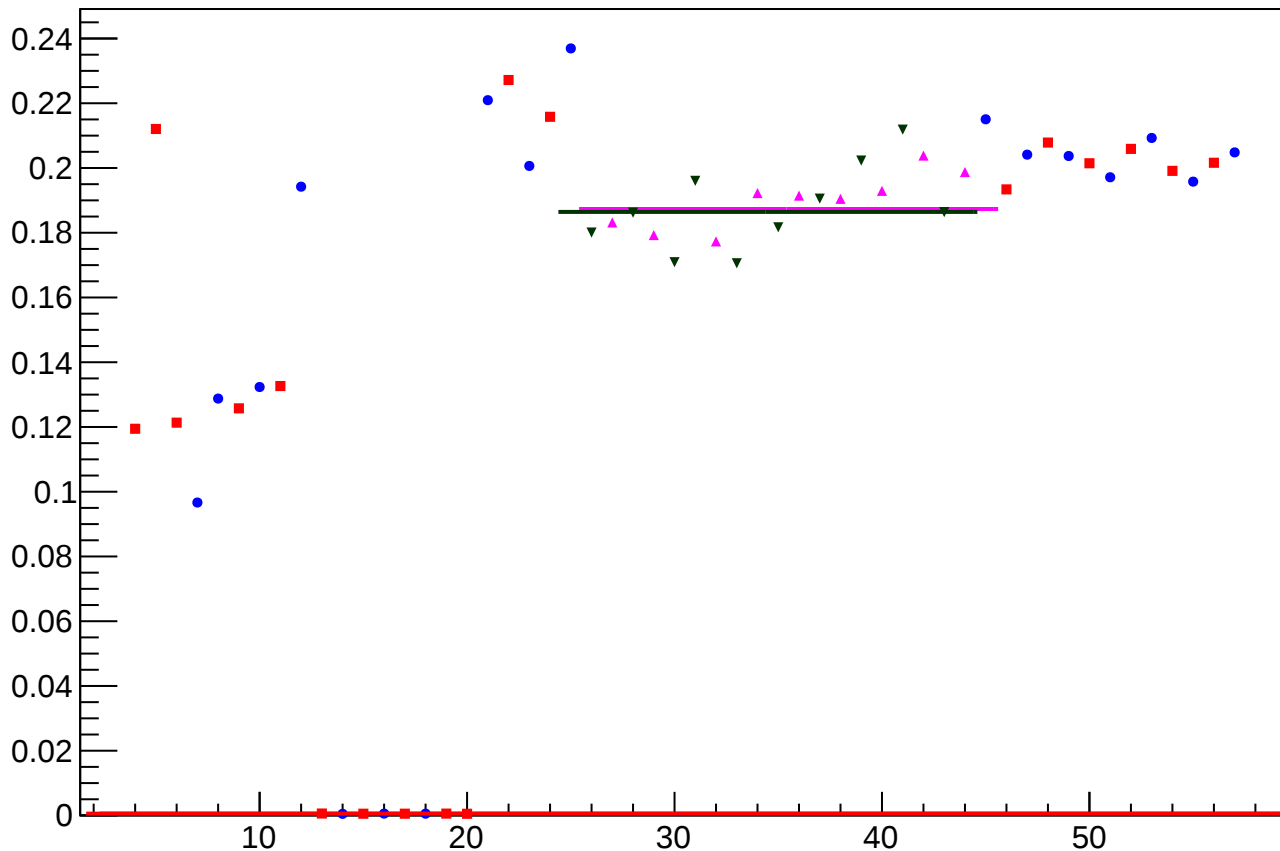
1.292+/-0.000 χ^2/NDF : 1614890101146.2/26

Right Out: 1.290+/-0.000 χ^2/NDF : 771832921040.9/17

1.291+/-0.000 χ^2/NDF : 1486349279694.3/26

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

yield_bcm_an_ds3_rms vs slug



Right In: 0.001+/-0.000 χ^2/NDF : 15593017.3/16

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

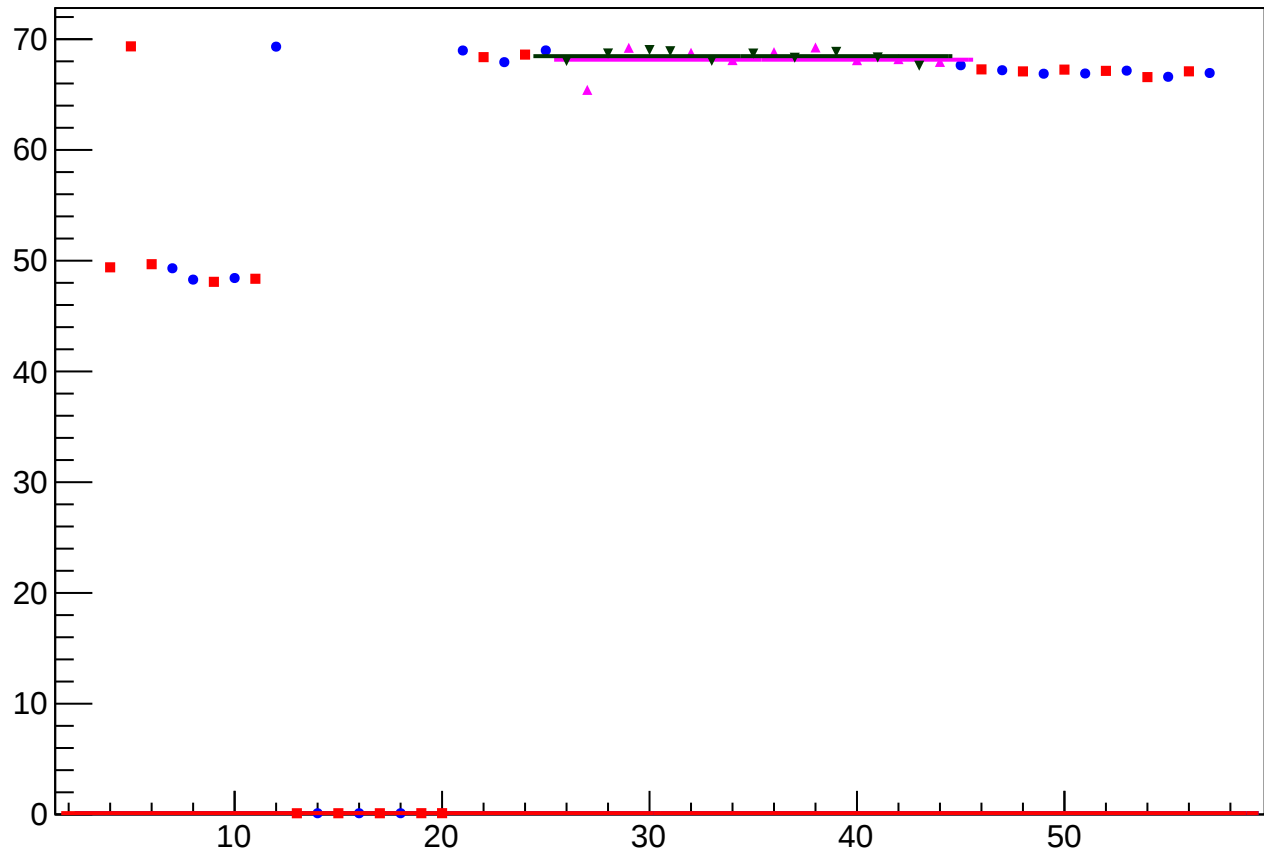
0.001+/-0.000 χ^2/NDF : 25898617.1/26

Right Out: 0.001+/-0.000 χ^2/NDF : 12670438.1/17

0.001+/-0.000 χ^2/NDF : 23470894.5/26

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

yield_bcm_an_us_mean vs slug



Right In: 0.125+/-0.000 χ^2/NDF : 975575448067.8/16

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

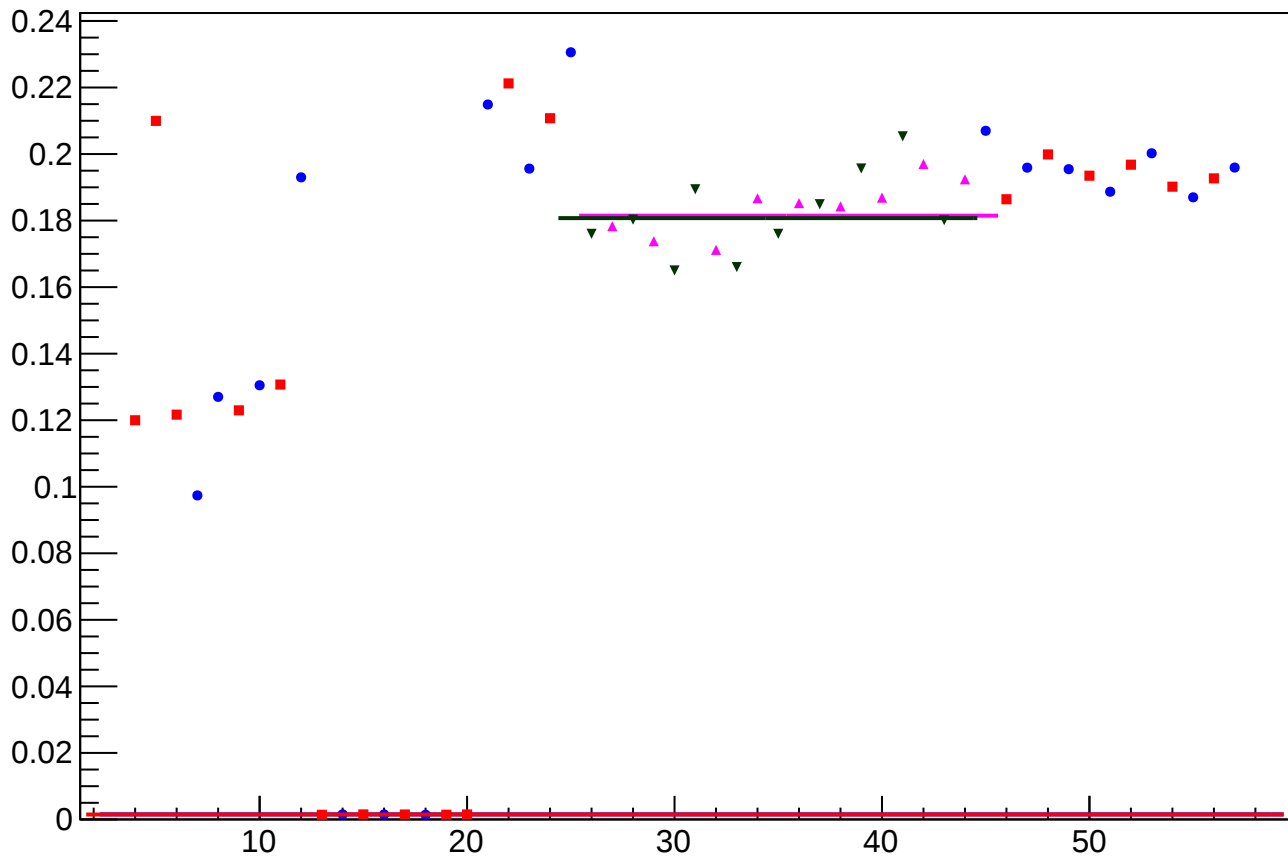
Right Out: 0.121+/-0.000 χ^2/NDF : 817655200665.4/17

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

0.135+/-0.000 χ^2/NDF : 1712164321849.8/26

0.130+/-0.000 χ^2/NDF : 1579551177406.8/26

yield_bcm_an_us_rms vs slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 15389173.5/16

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

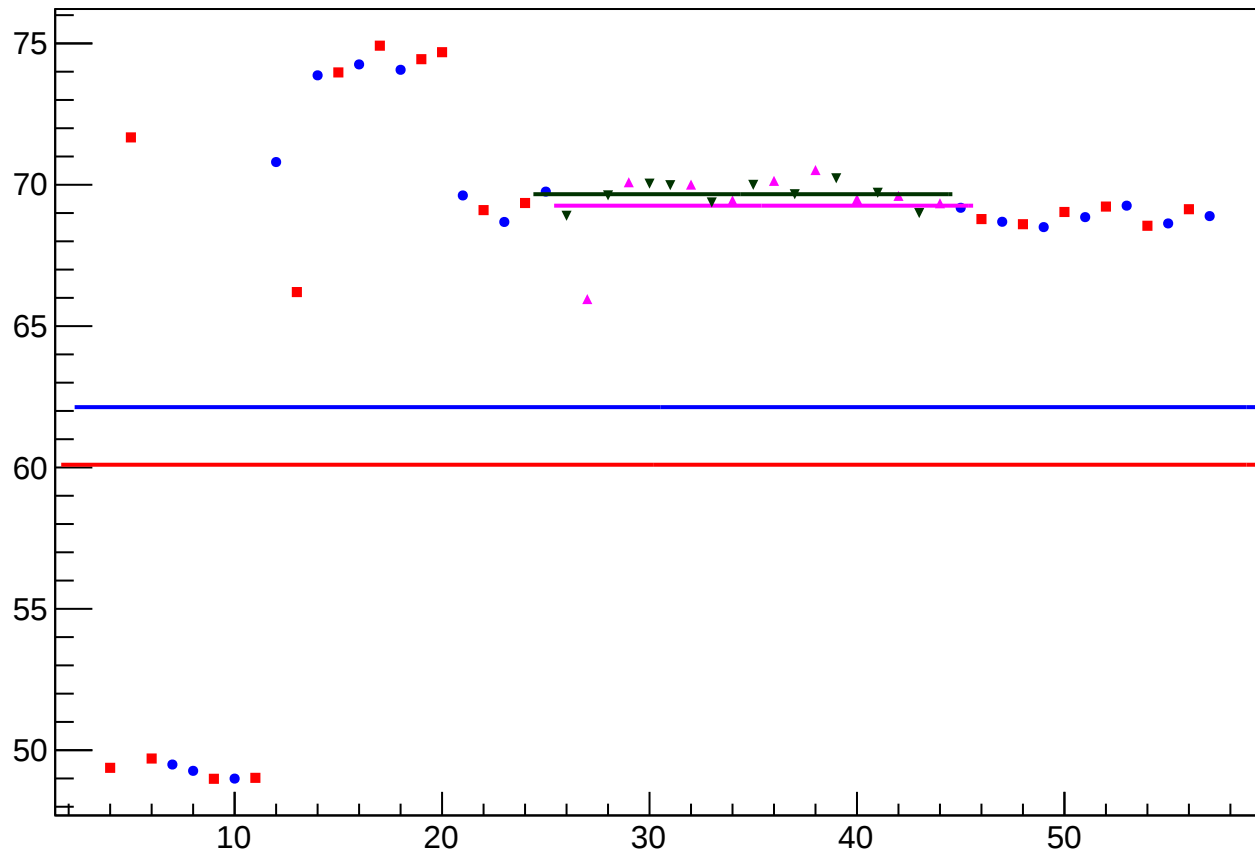
0.002 $\pm$ 0.000 χ^2 /NDF: 25562385.5/26

Right Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 12519599.7/17

0.002 $\pm$ 0.000 χ^2 /NDF: 23206270.3/26

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

yield_bcm_dg_us_mean vs slug



Right In: 62.134 $\pm$ 0.000 χ^2/NDF : 32690727633.1/16

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

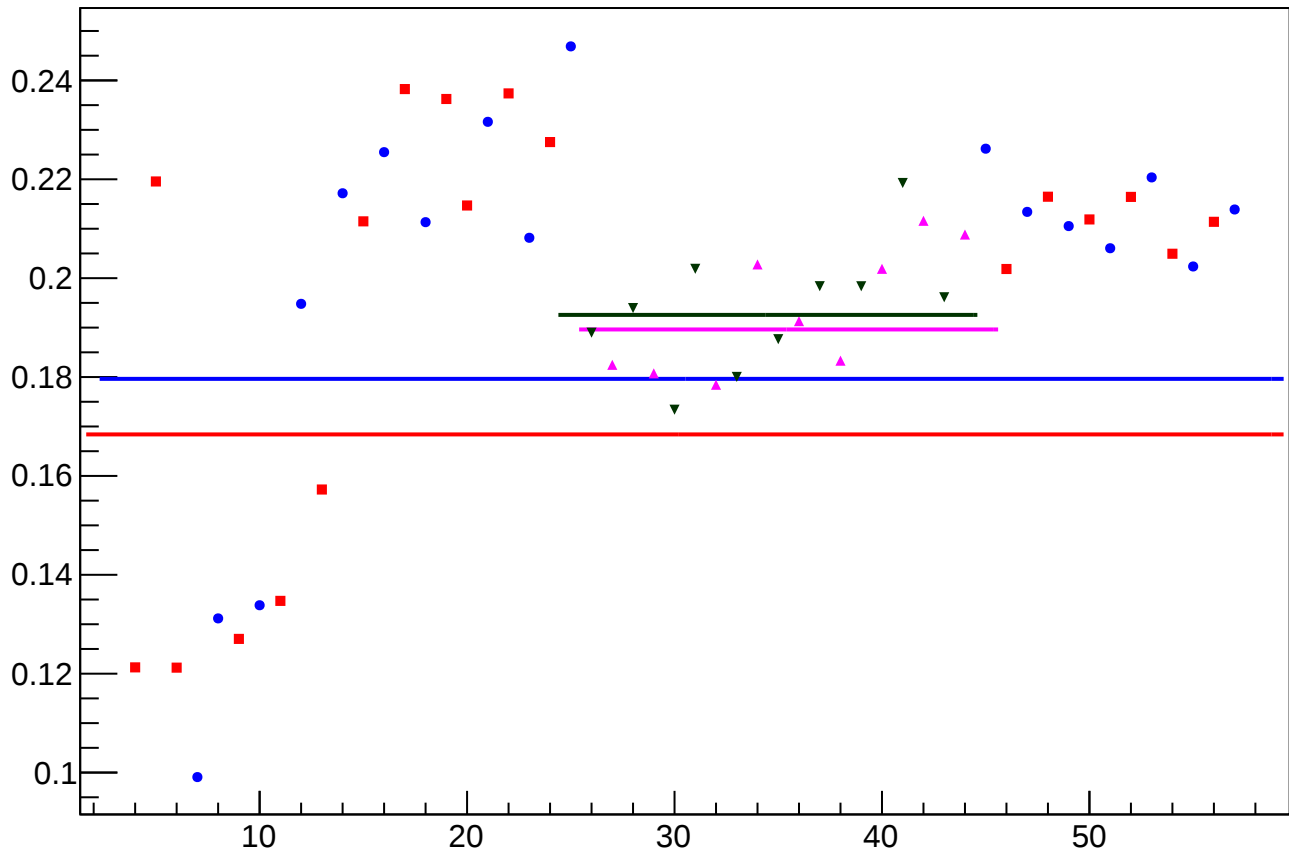
Right Out: 60.097 $\pm$ 0.000 χ^2/NDF : 32076992509.0/17

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

64.549 $\pm$ 0.000 χ^2/NDF : 38084352890.4/26

63.188 $\pm$ 0.000 χ^2/NDF : 40769075991.4/26

yield_bcm_dg_us_rms vs slug



Right In: 0.180 $\pm$ 0.000 χ^2/NDF : 1194603.8/16

Left Out: 0.193 $\pm$ 0.000 χ^2/NDF : 38713.5/9

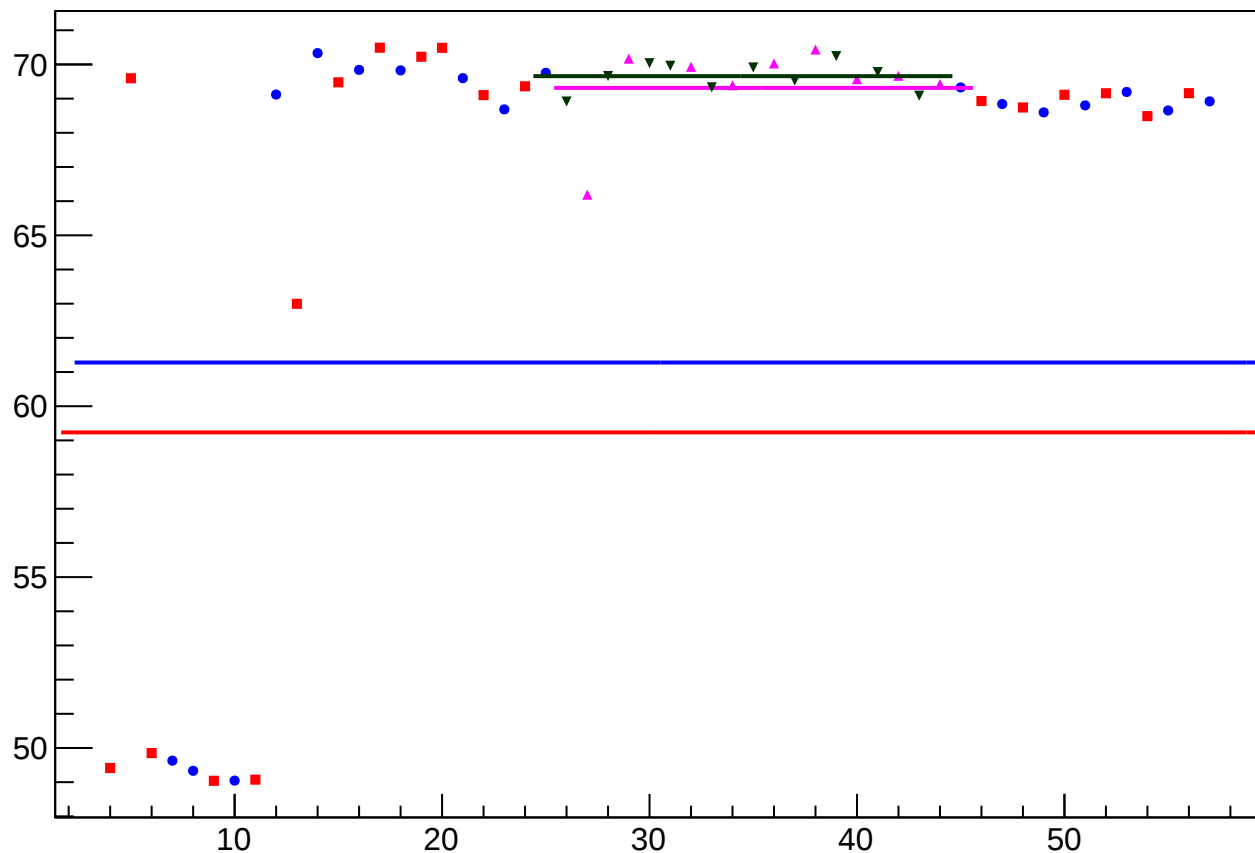
Right Out: 0.168 $\pm$ 0.000 χ^2/NDF : 1137953.1/17

Left In: 0.190 $\pm$ 0.000 χ^2/NDF : 41377.7/8

0.184 $\pm$ 0.000 χ^2/NDF : 1265005.8/26

0.176 $\pm$ 0.000 χ^2/NDF : 1269054.8/26

yield_bcm_dg_ds_mean vs slug



Right In: 61.279+/-0.000 χ^2/NDF : 29694565439.0/16

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

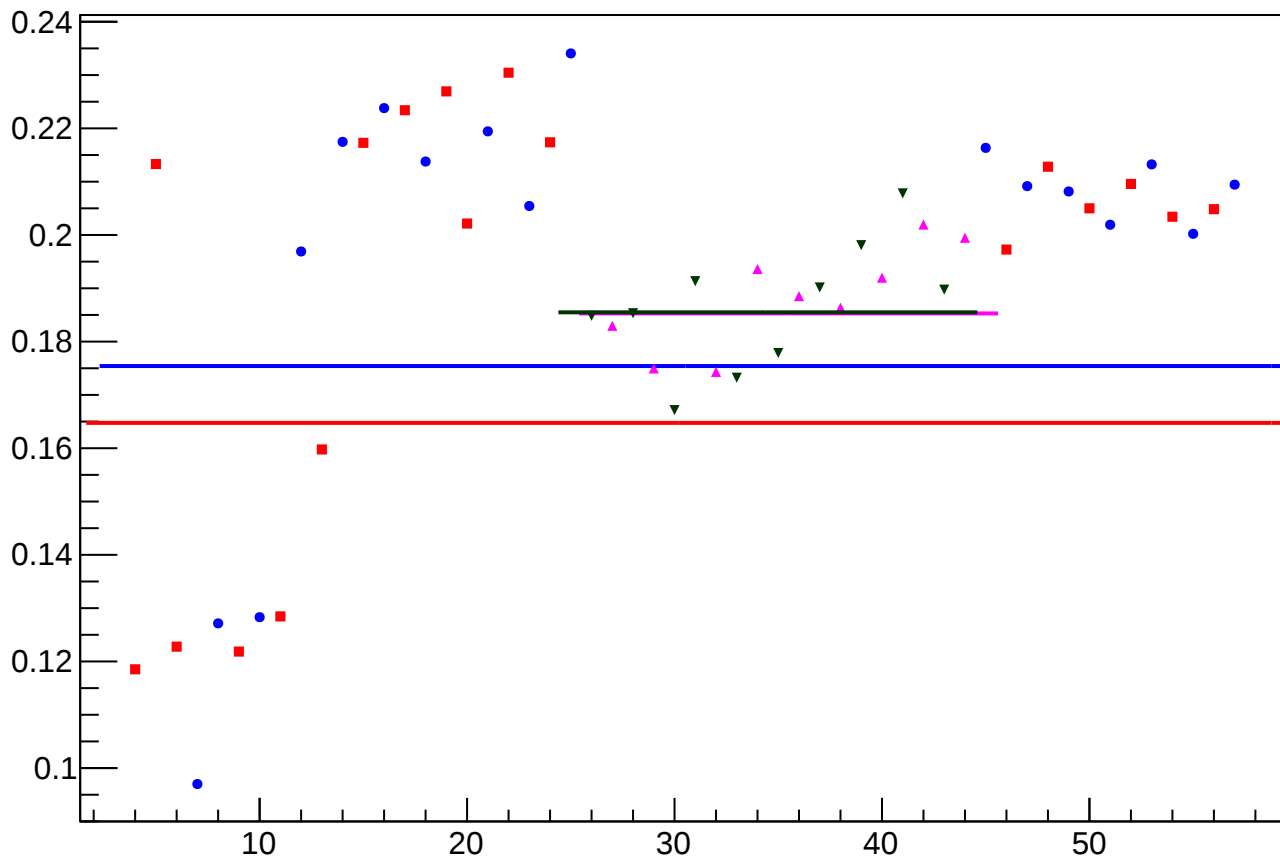
Right Out: 59.234+/-0.000 χ^2/NDF : 28397963147.3/17

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

64.019+/-0.000 χ^2/NDF : 36814966418.1/26

62.645+/-0.000 χ^2/NDF : 39298904822.9/26

yield_bcm_dg_ds_rms vs slug



Right In: 0.175+/-0.000 χ^2/NDF : 1255524.2/16

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

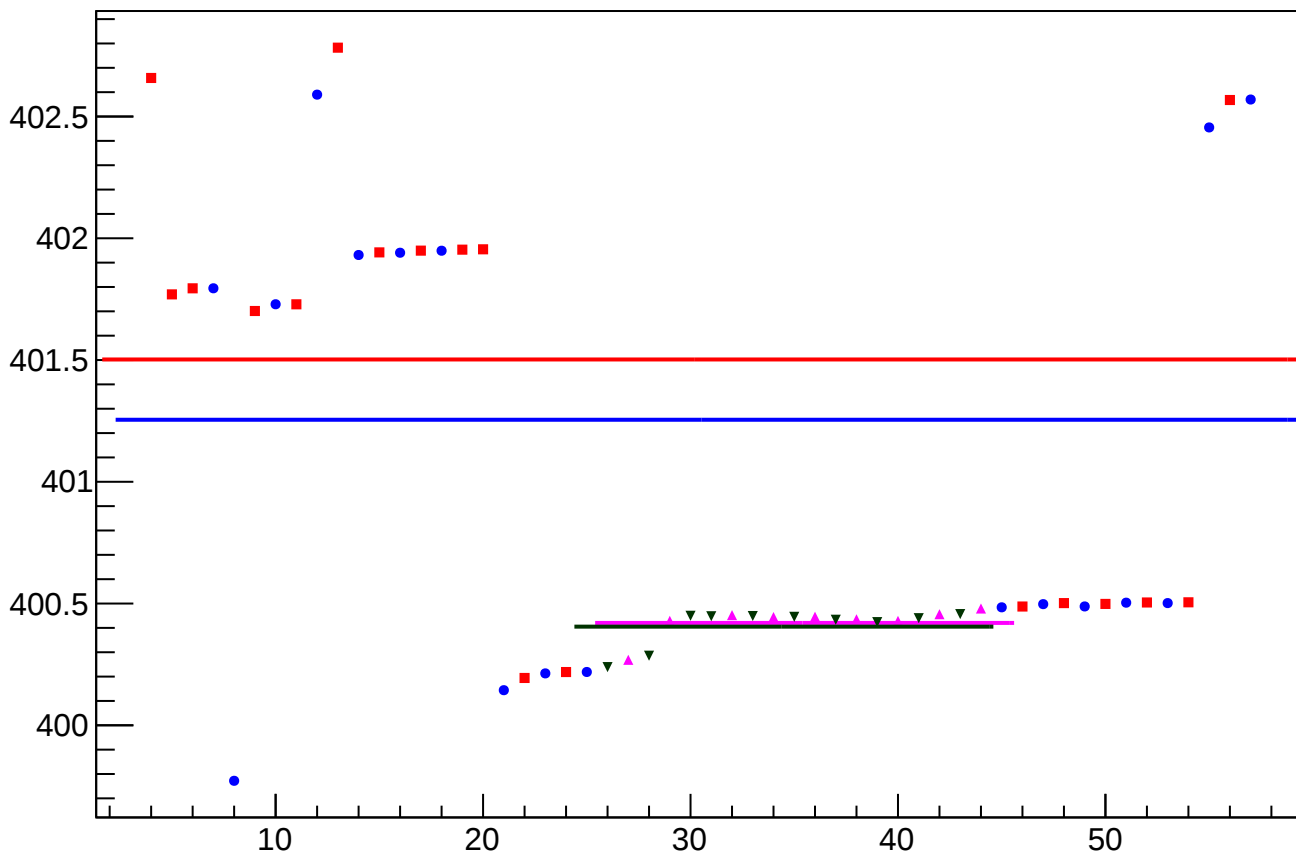
Right Out: 0.165+/-0.000 χ^2/NDF : 1114795.6/17

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

0.179+/-0.000 χ^2/NDF : 1314719.0/26

0.172+/-0.000 χ^2/NDF : 1230692.3/26

yield_cav4bQ_mean vs slug



Right In: 401.255+/-0.000 χ^2/NDF : 205193104070.0/16

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

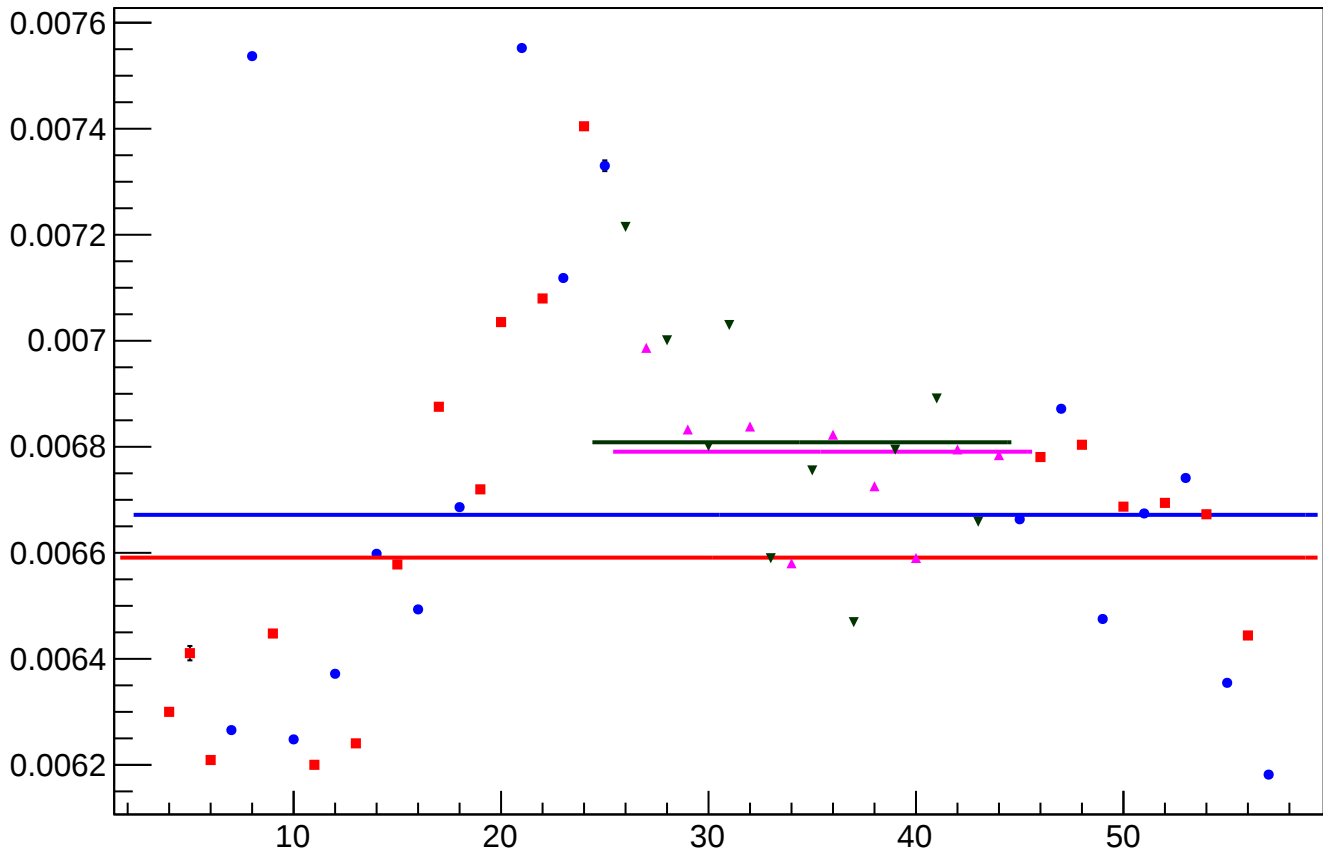
Right Out: 401.502+/-0.000 χ^2/NDF : 169658340791.4/17

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

400.973+/-0.000 χ^2/NDF : 261788922356.9/26

401.113+/-0.000 χ^2/NDF : 261798971990.8/26

yield_cav4bQ_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 76668.4/16

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

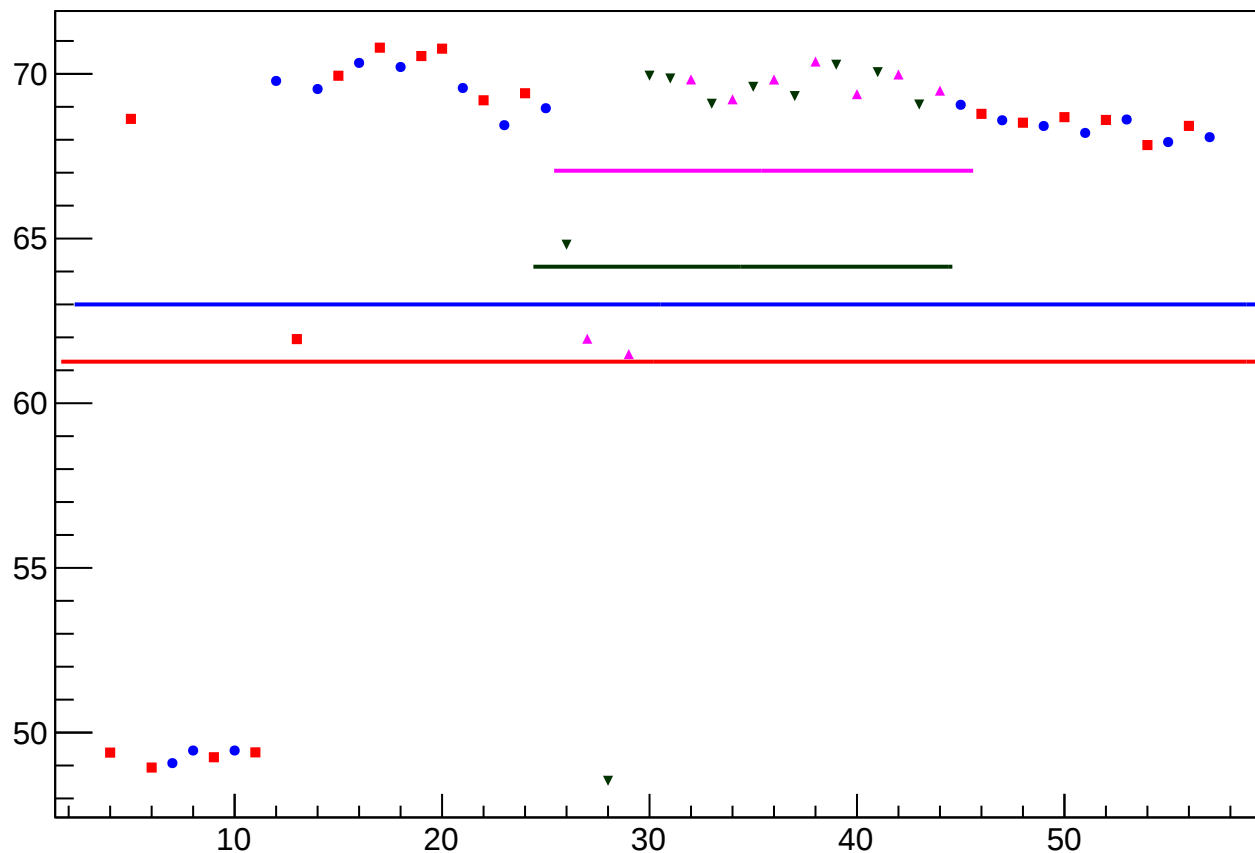
0.007+/-0.000 χ^2/NDF : 89358.0/26

Right Out: 0.007+/-0.000 χ^2/NDF : 45450.4/17

0.007+/-0.000 χ^2/NDF : 55245.1/26

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

yield_cav4cQ_mean vs slug



Right In: 63.000+/-0.000 χ^2/NDF : 16679470159.1/16

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

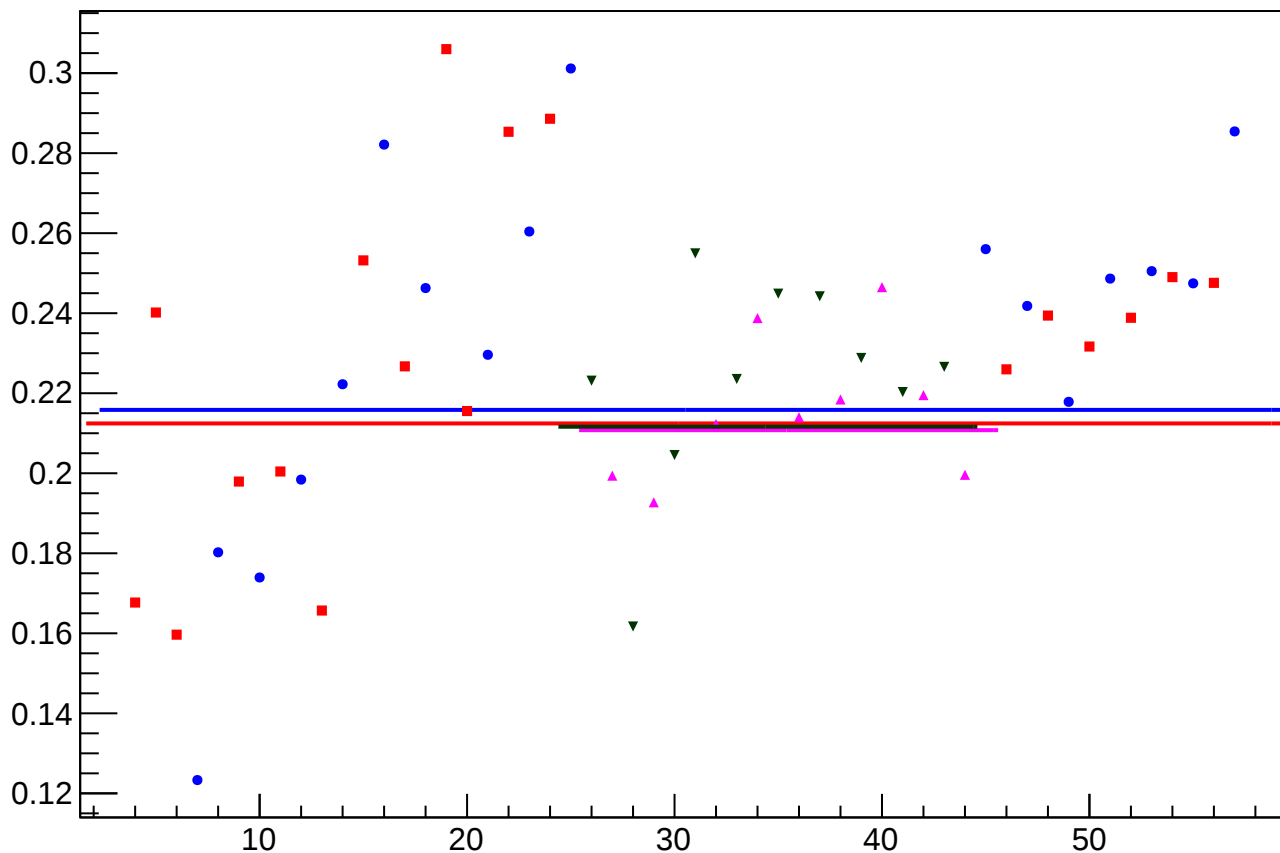
Right Out: 61.262+/-0.000 χ^2/NDF : 15026358377.0/17

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

63.398+/-0.000 χ^2/NDF : 25304067485.8/26

63.512+/-0.000 χ^2/NDF : 19024397958.4/26

yield_cav4cQ_rms vs slug



Right In: 0.216 $\pm$ 0.000 χ^2/NDF : 701347.9/16

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

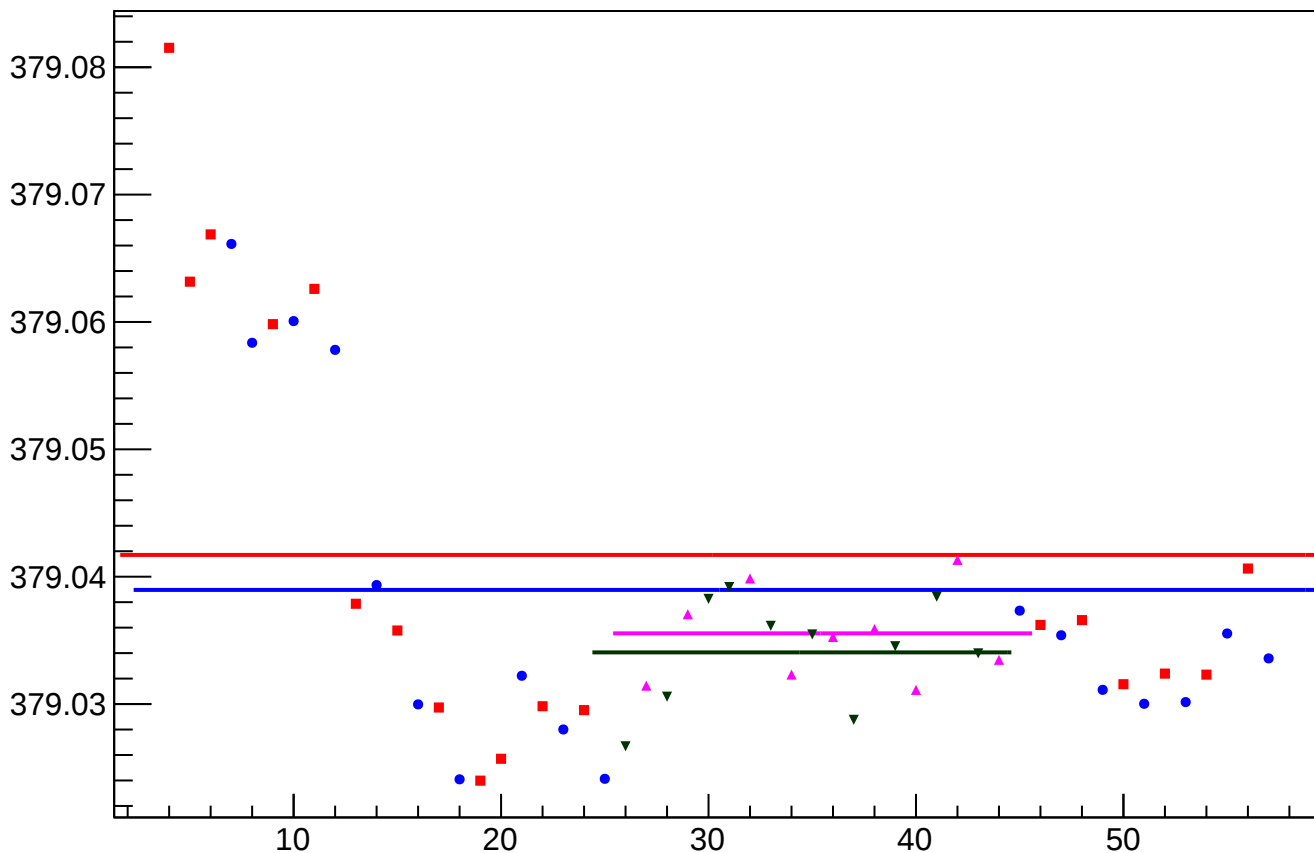
Right Out: 0.212 $\pm$ 0.000 χ^2/NDF : 577194.9/17

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

0.214 $\pm$ 0.000 χ^2/NDF : 905226.3/26

0.212 $\pm$ 0.000 χ^2/NDF : 632182.0/26

yield_cav4dQ_mean vs slug



Right In: 379.039 $\pm$ 0.000 χ^2 /NDF: 33379333.1/16

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

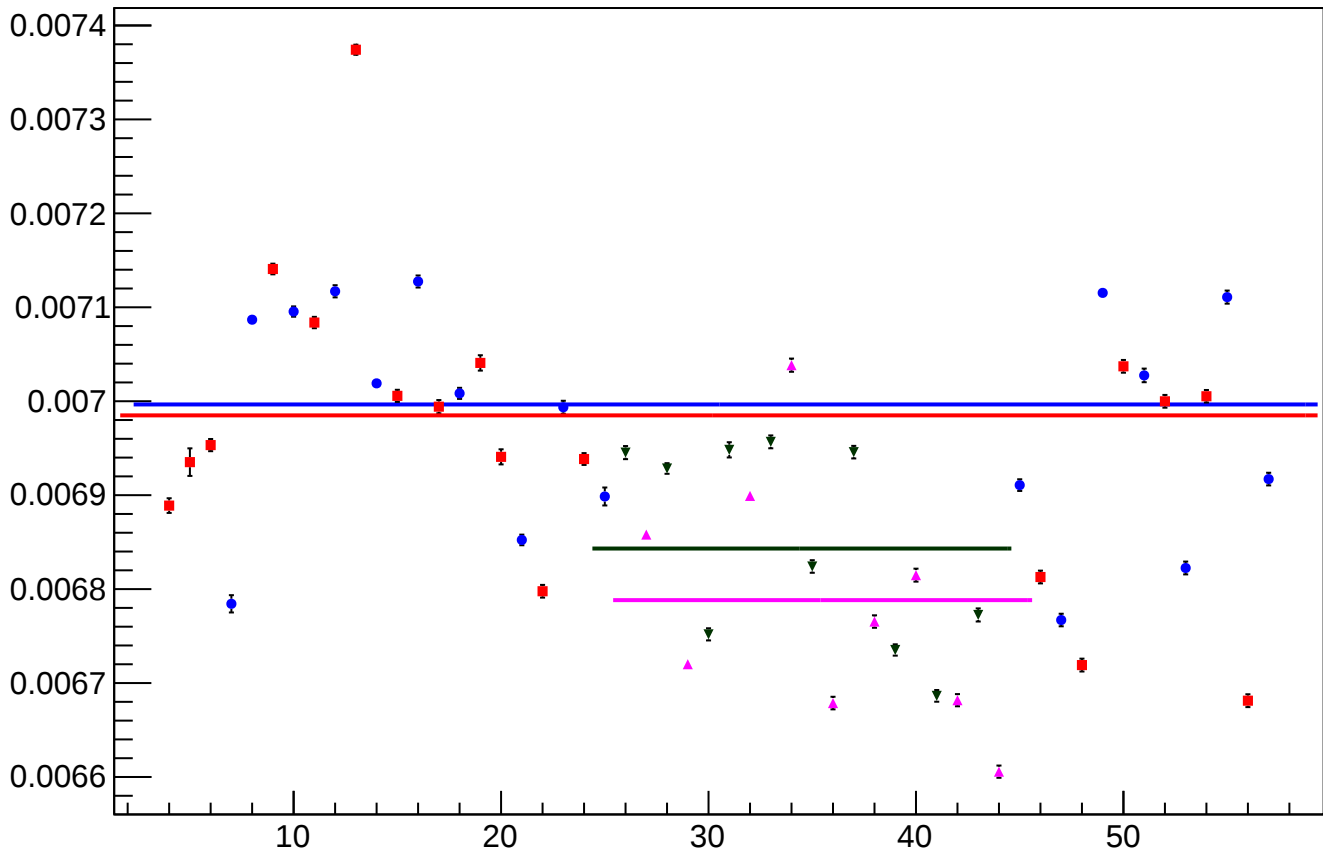
Right Out: 379.042 $\pm$ 0.000 χ^2 /NDF: 46098689.9/17

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

379.037 $\pm$ 0.000 χ^2 /NDF: 36968216.7/26

379.039 $\pm$ 0.000 χ^2 /NDF: 50409548.3/26

yield_cav4dQ_rms vs slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 5617.5/16

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

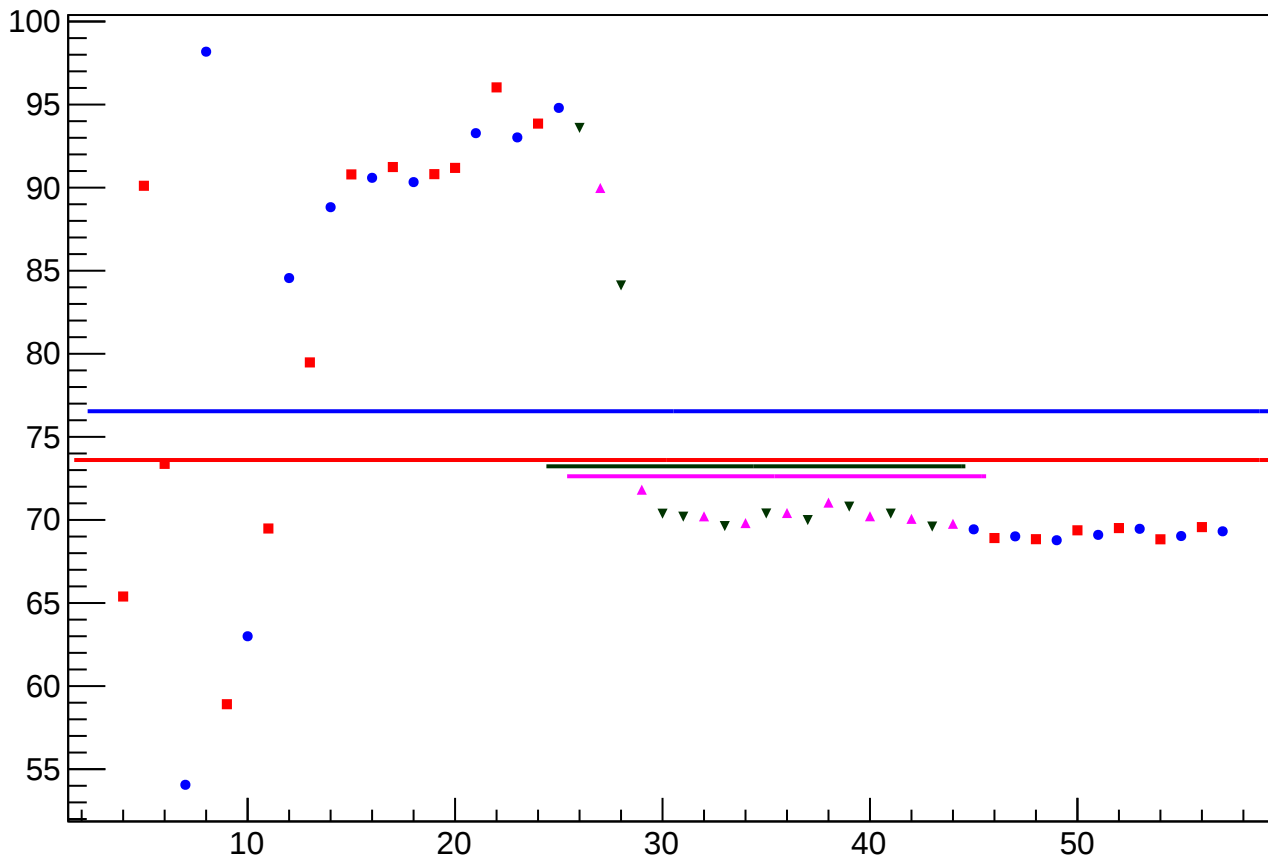
Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 11526.8/17

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

0.007 $\pm$ 0.000 χ^2 /NDF: 11522.4/26

0.007 $\pm$ 0.000 χ^2 /NDF: 20773.2/26

yield_bcm0l02_mean vs slug



Right In: 76.543+/-0.000 χ^2/NDF : 20430020956.4/16

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

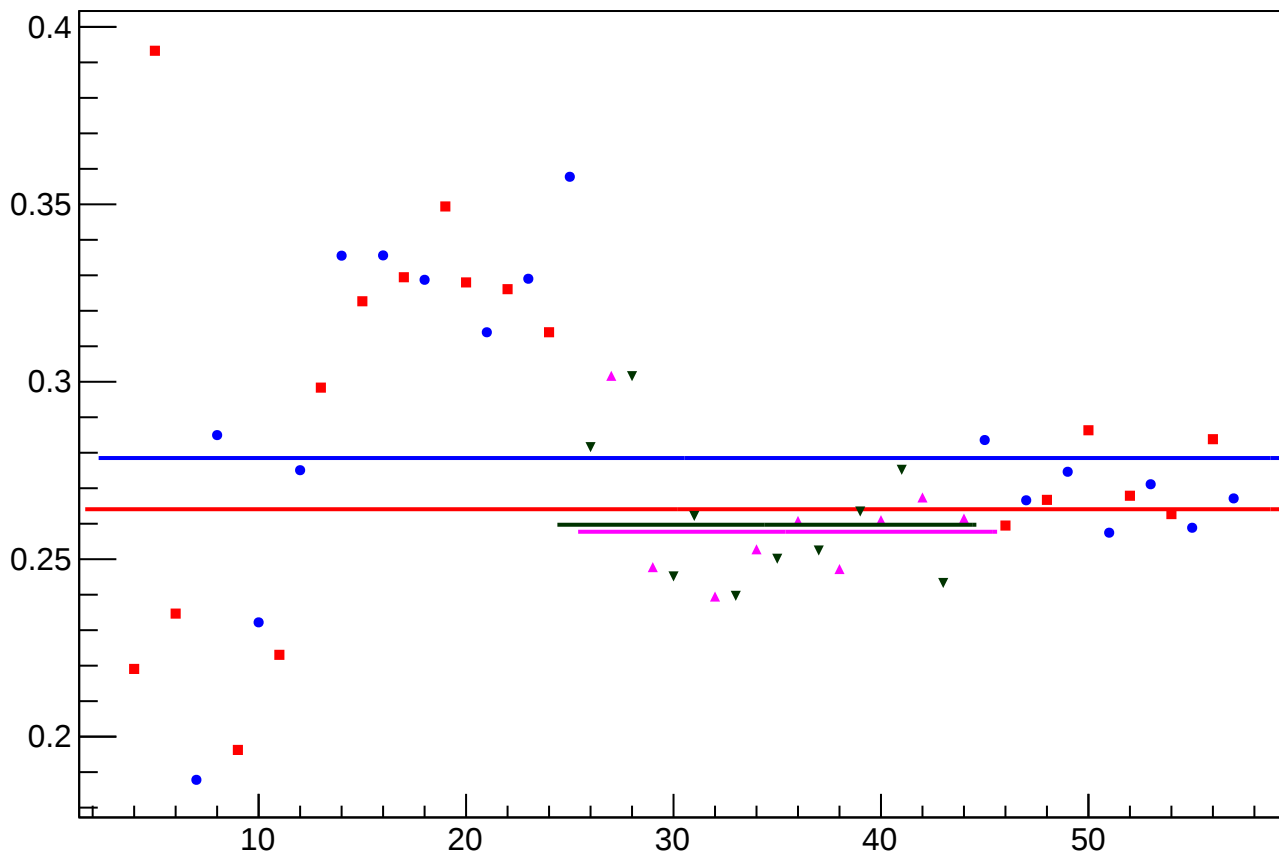
Right Out: 73.607+/-0.000 χ^2/NDF : 14670153502.6/17

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

75.300+/-0.000 χ^2/NDF : 24664605753.7/26

73.216+/-0.000 χ^2/NDF : 17644438377.2/26

yield_bcm0l02_rms vs slug



Right In: 0.279+/-0.000 χ^2/NDF : 368399.1/16

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

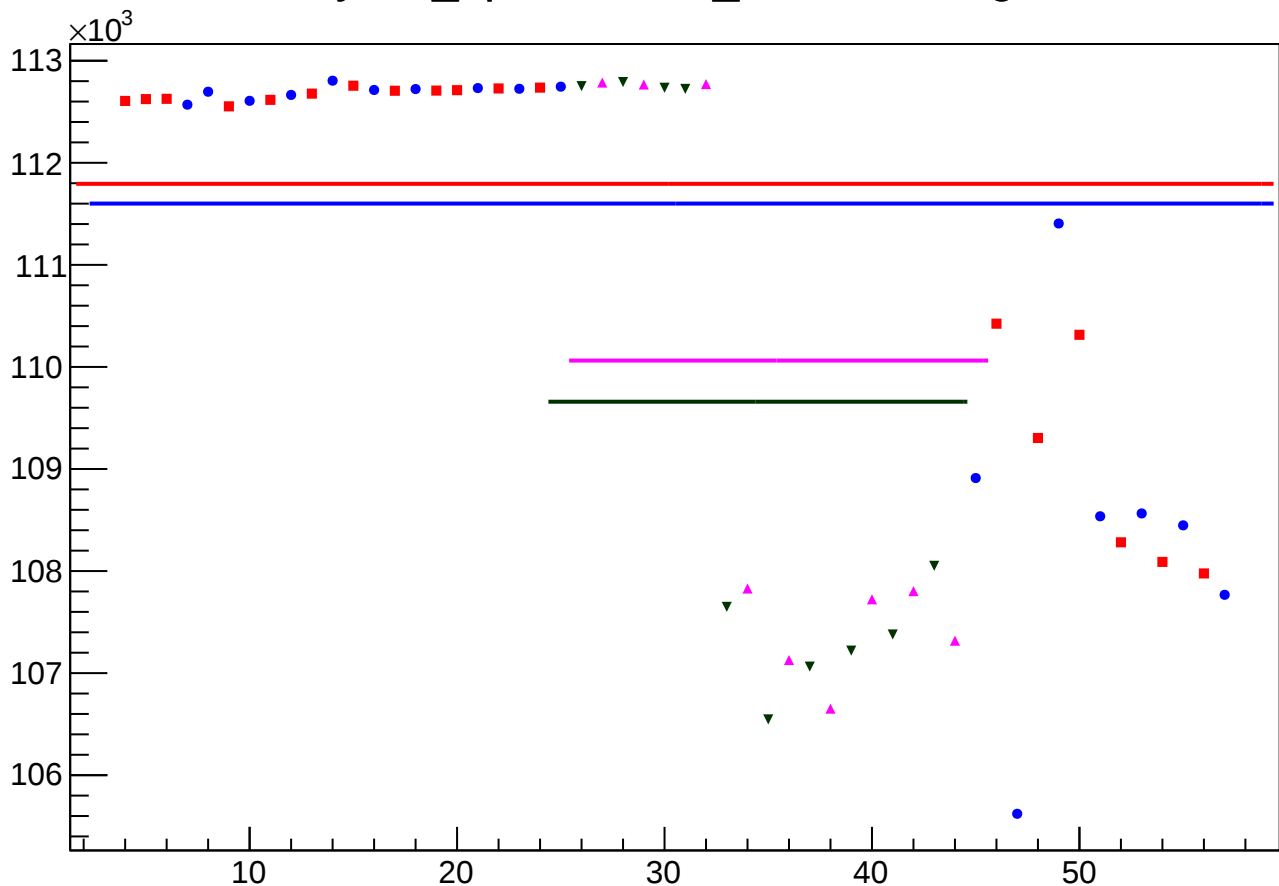
Right Out: 0.264+/-0.000 χ^2/NDF : 494356.3/17

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

0.271+/-0.000 χ^2/NDF : 448646.8/26

0.262+/-0.000 χ^2/NDF : 547348.3/26

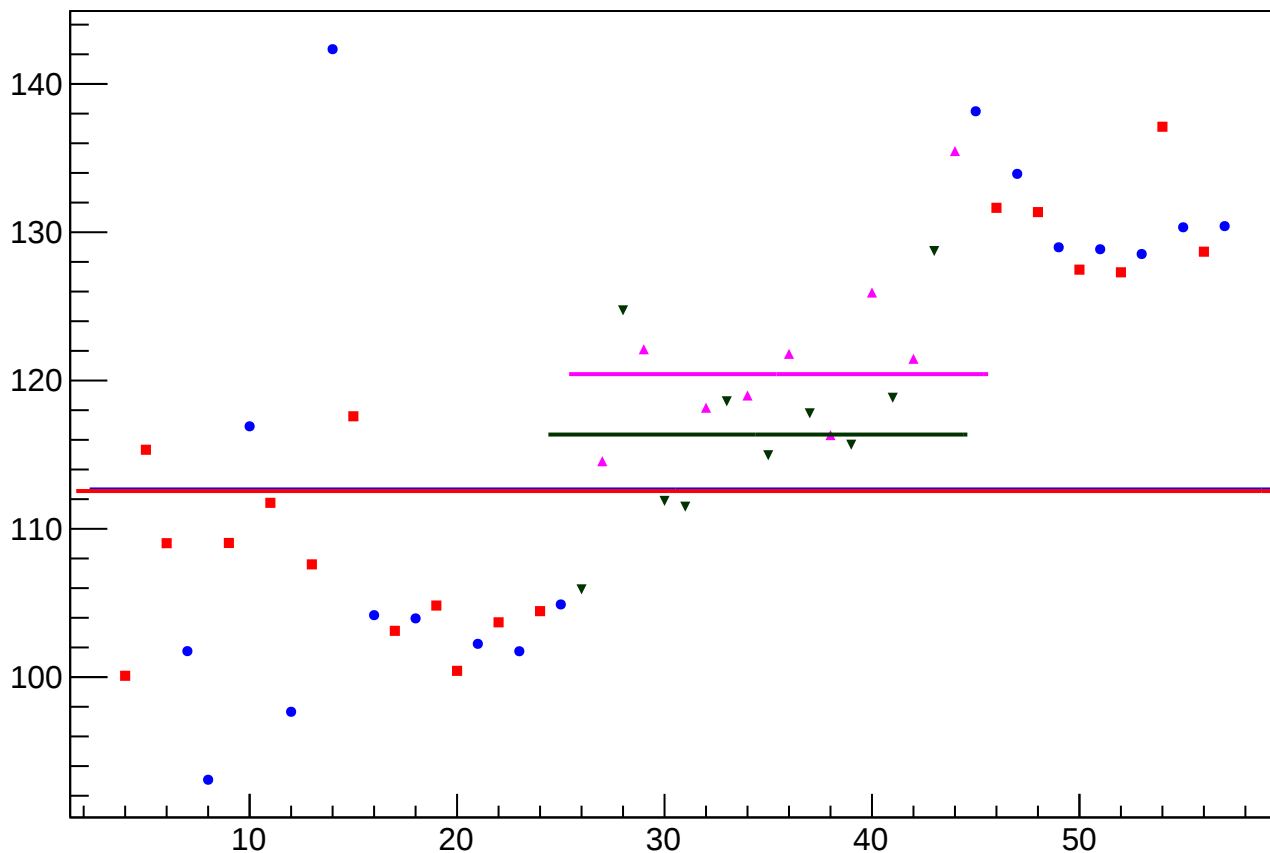
yield_bpm2i01WS_mean vs slug



Right In: 111600.535 $\pm$ 0.036 χ^2 /NDF: 3006374377.1/16
 Left Out: 109659.144 $\pm$ 0.053 χ^2 /NDF: 2686861752.7/9
 Right Out: 111794.010 $\pm$ 0.038 χ^2 /NDF: 1881489822.9/17
 Left In: 110062.356 $\pm$ 0.053 χ^2 /NDF: 2589754971.8/8

110986.141 $\pm$ 0.030 χ^2 /NDF: 6616447314.9/26
 111211.851 $\pm$ 0.031 χ^2 /NDF: 5172788689.4/26

yield_bpm2i01WS_rms vs slug



Right In: 112.655 ± 0.025 χ^2/NDF : 396141.5/16

Left Out: 116.357 ± 0.037 χ^2/NDF : 26817.0/9

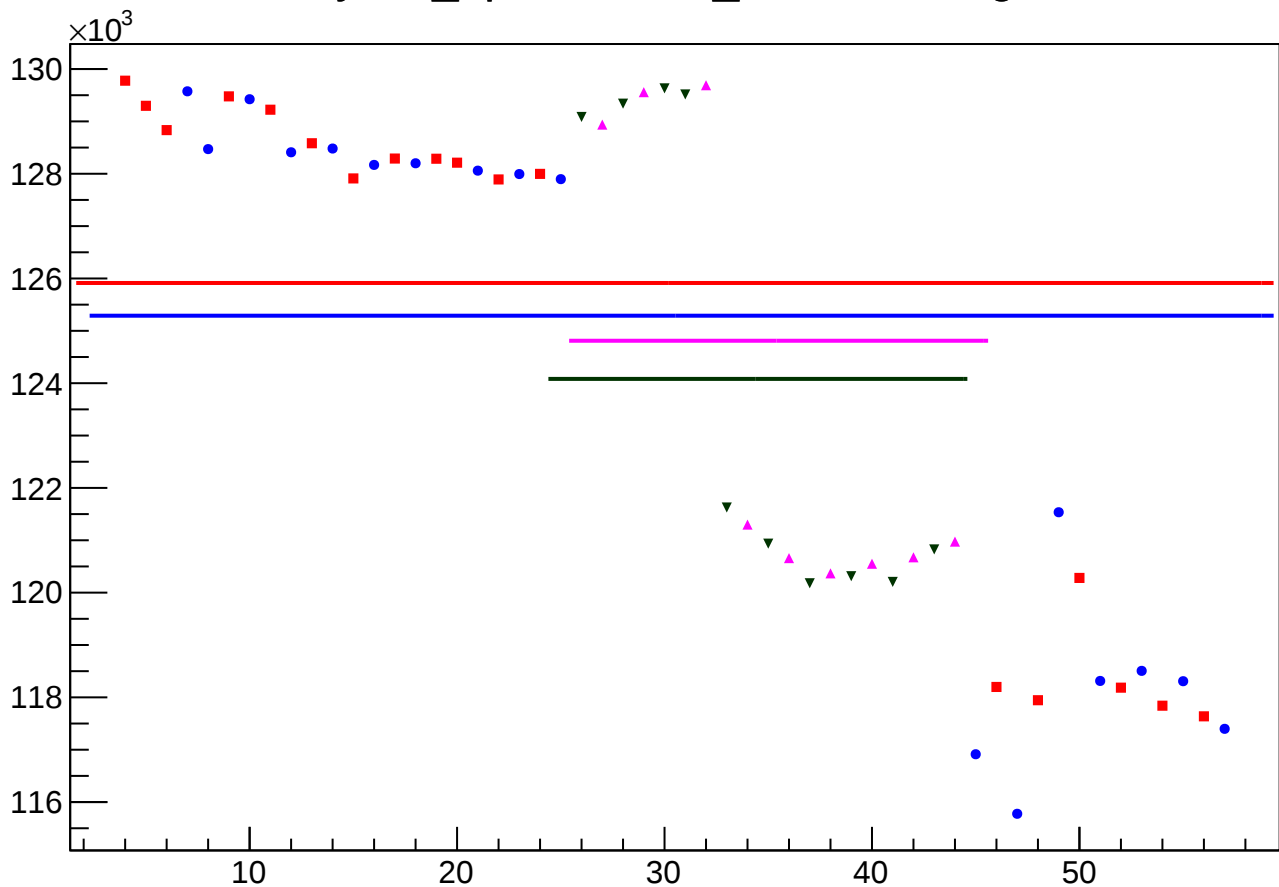
Right Out: 112.549 ± 0.027 χ^2/NDF : 164737.4/17

Left In: 120.432 ± 0.038 χ^2/NDF : 18918.6/8

113.827 ± 0.021 χ^2/NDF : 429674.1/26

115.199 ± 0.022 χ^2/NDF : 212727.8/26

yield_bpm0i07WS_mean vs slug



Right In: 125289.031 $\pm$ 0.058 χ^2 /NDF: 6619088767.2/16

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

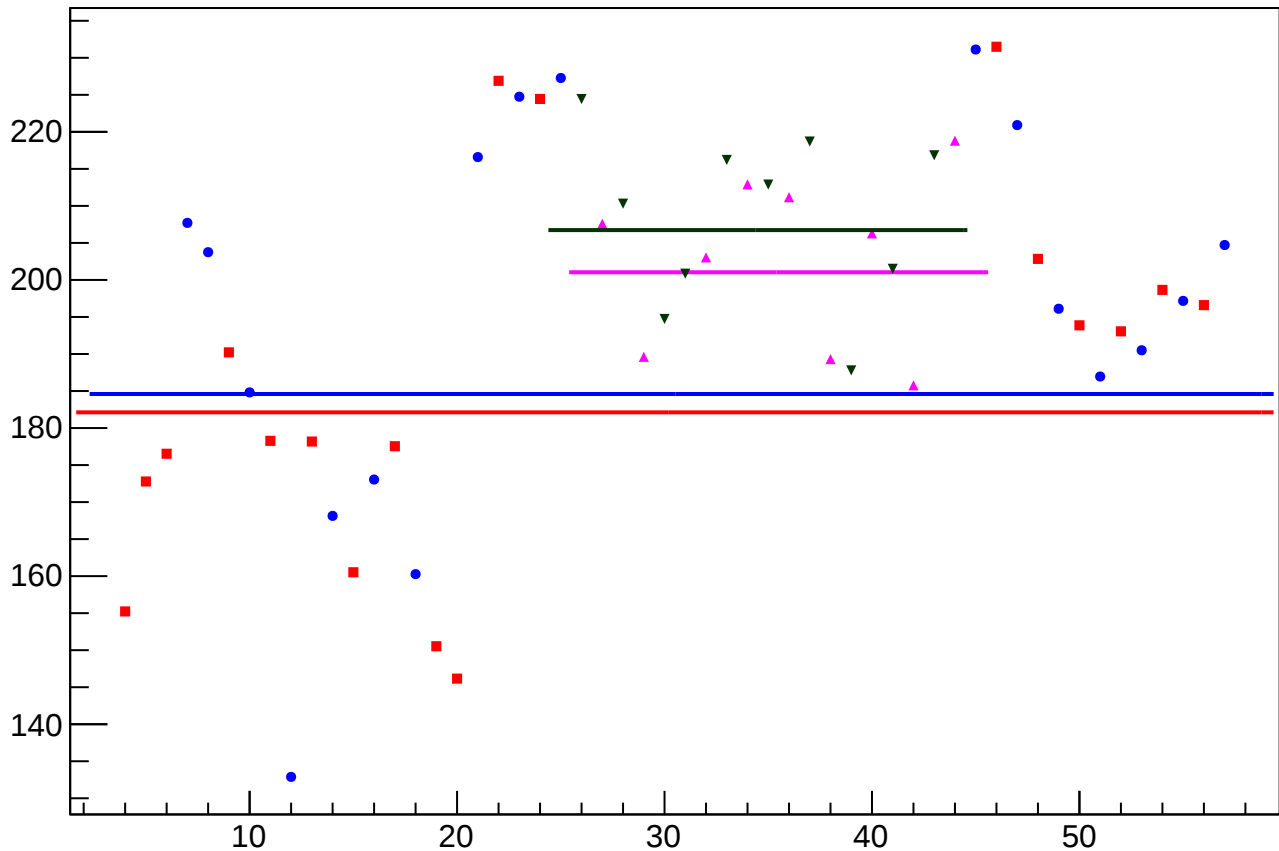
Right Out: 125913.909 $\pm$ 0.061 χ^2 /NDF: 5640851049.2/17

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

124932.171 $\pm$ 0.049 χ^2 /NDF: 9038201936.3/20

125539.981 $\pm$ 0.050 χ^2 /NDF: 8360187858.3/20

yield_bpm0i07WS_rms vs slug



Right In: 184.599 $\pm$ 0.041 χ^2 /NDF: 431511.6/16

Left Out: 206.733 $\pm$ 0.064 χ^2 /NDF: 32612.0/9

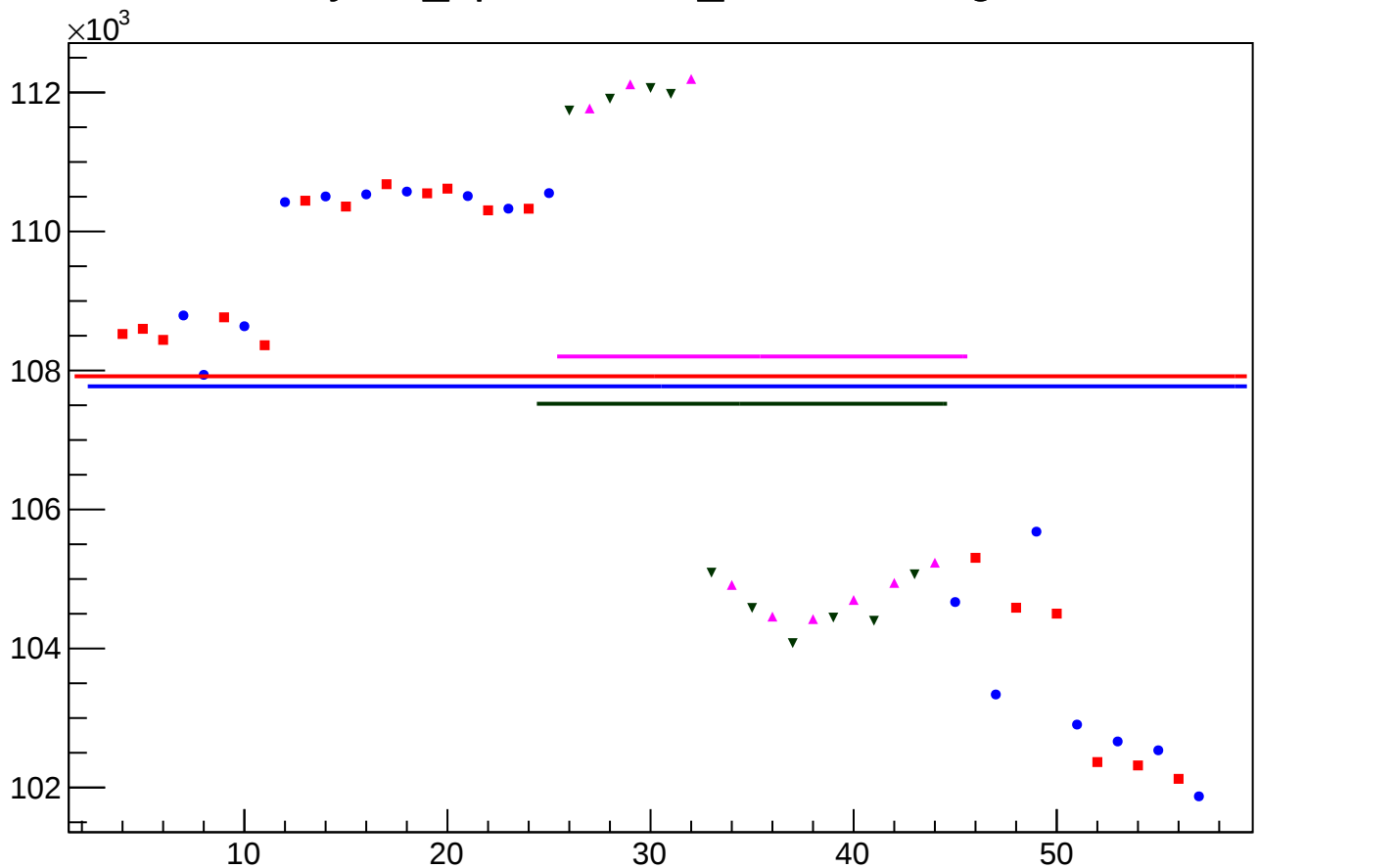
Right Out: 182.119 $\pm$ 0.043 χ^2 /NDF: 265068.2/17

Left In: 201.040 $\pm$ 0.060 χ^2 /NDF: 31613.0/8

191.143 $\pm$ 0.035 χ^2 /NDF: 549224.5/26

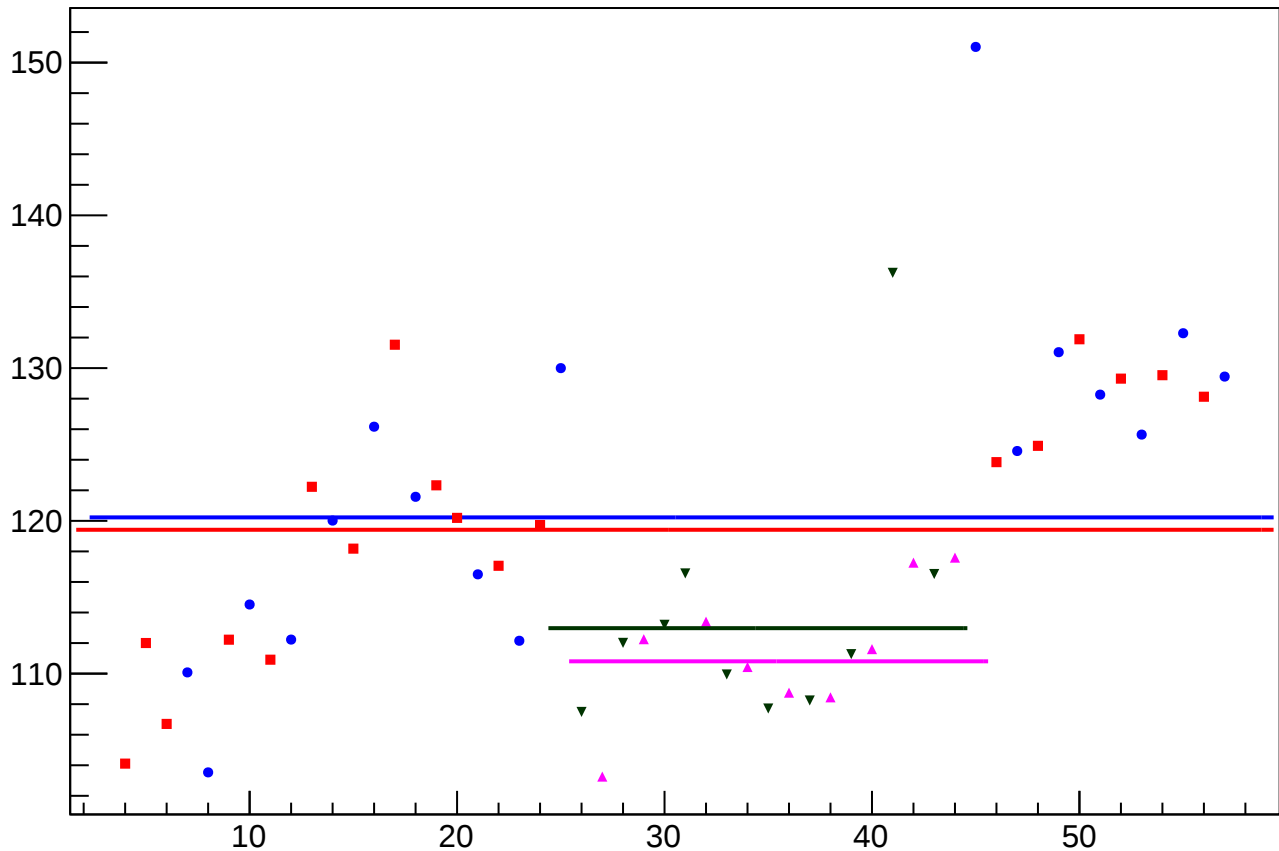
188.532 $\pm$ 0.035 χ^2 /NDF: 362069.3/26

yield_bpm0l01WS_mean vs slug



Right In: 107772.270 $\pm$ 0.038	χ^2 /NDF: 6769507693.2/16	107679.746 $\pm$ 0.030	χ^2 /NDF: 12106931021.9/2
Left Out: 107521.561 $\pm$ 0.049	χ^2 /NDF: 5321162353.6/9		
Right Out: 107916.825 $\pm$ 0.040	χ^2 /NDF: 5505376420.2/17	108036.120 $\pm$ 0.030	χ^2 /NDF: 11511666450.9/2
Left In: 108201.722 $\pm$ 0.047	χ^2 /NDF: 5984849706.8/8		

yield_bpm0l01WS_rms vs slug



Right In: 120.227 ± 0.027 χ^2/NDF : 149185.7/16

Left Out: 112.975 ± 0.035 χ^2/NDF : 42849.8/9

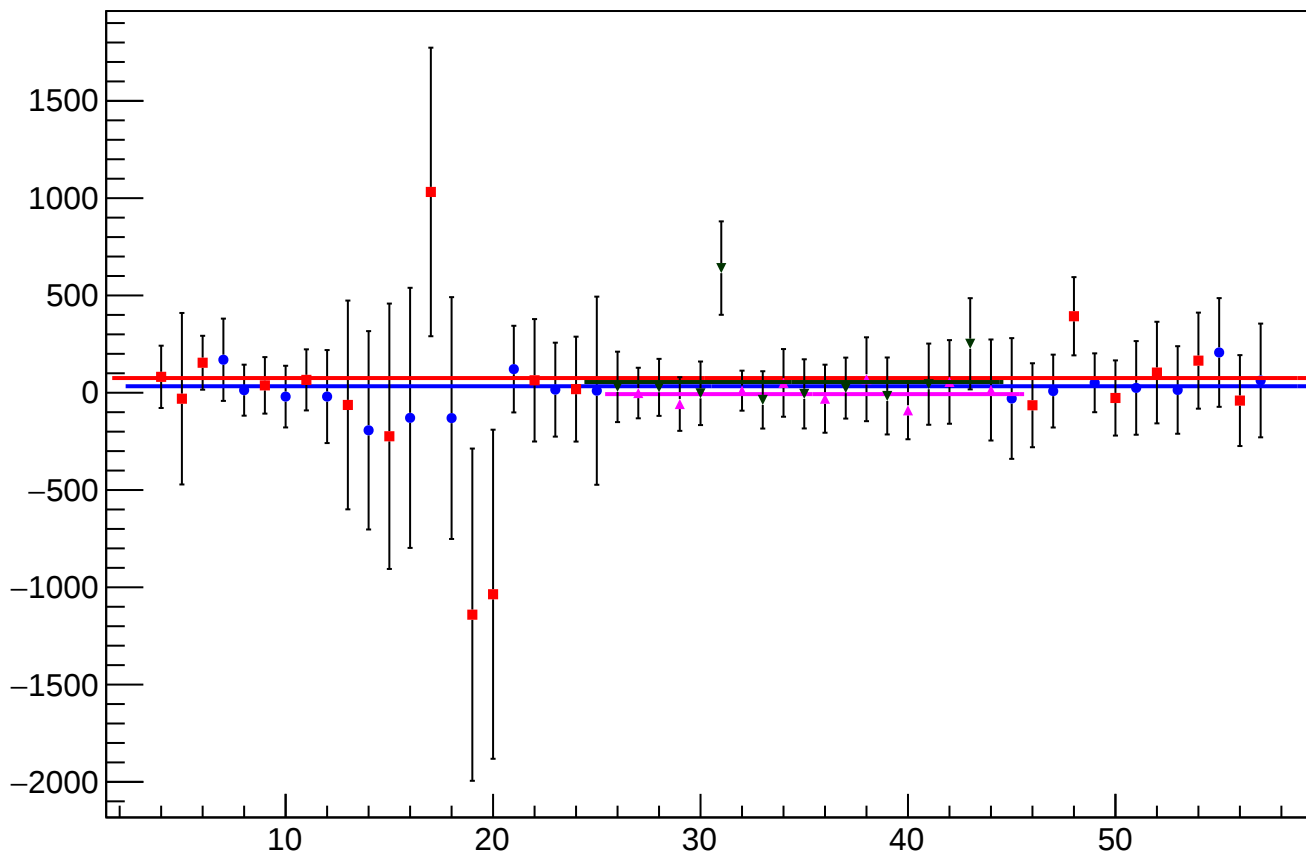
117.551 ± 0.021 χ^2/NDF : 219246.0/26

Right Out: 119.416 ± 0.028 χ^2/NDF : 83023.6/17

115.810 ± 0.021 χ^2/NDF : 139747.0/26

Left In: 110.804 ± 0.033 χ^2/NDF : 17542.1/8

asym_bcm_an_ds_mean vs slug



Right In: 33.374+/-54.854 χ^2/NDF : 1.6/16

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

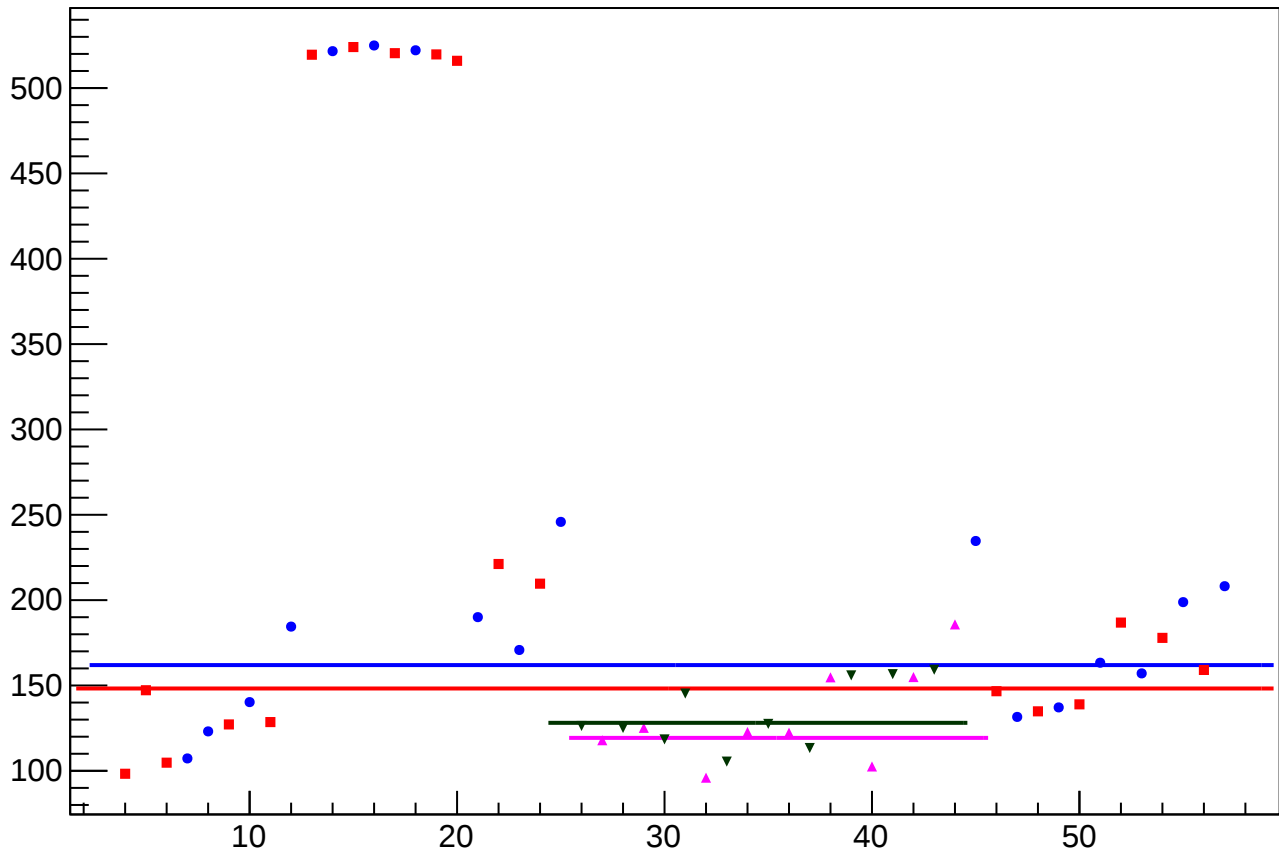
Right Out: 75.487+/-54.170 χ^2/NDF : 9.8/17

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

43.961+/-39.239 χ^2/NDF : 9.2/26

32.211+/-37.367 χ^2/NDF : 11.8/26

asym_bcm_an_ds_rms vs slug



Right In: 161.952+/-0.039 χ^2/NDF : 3018757.9/16

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

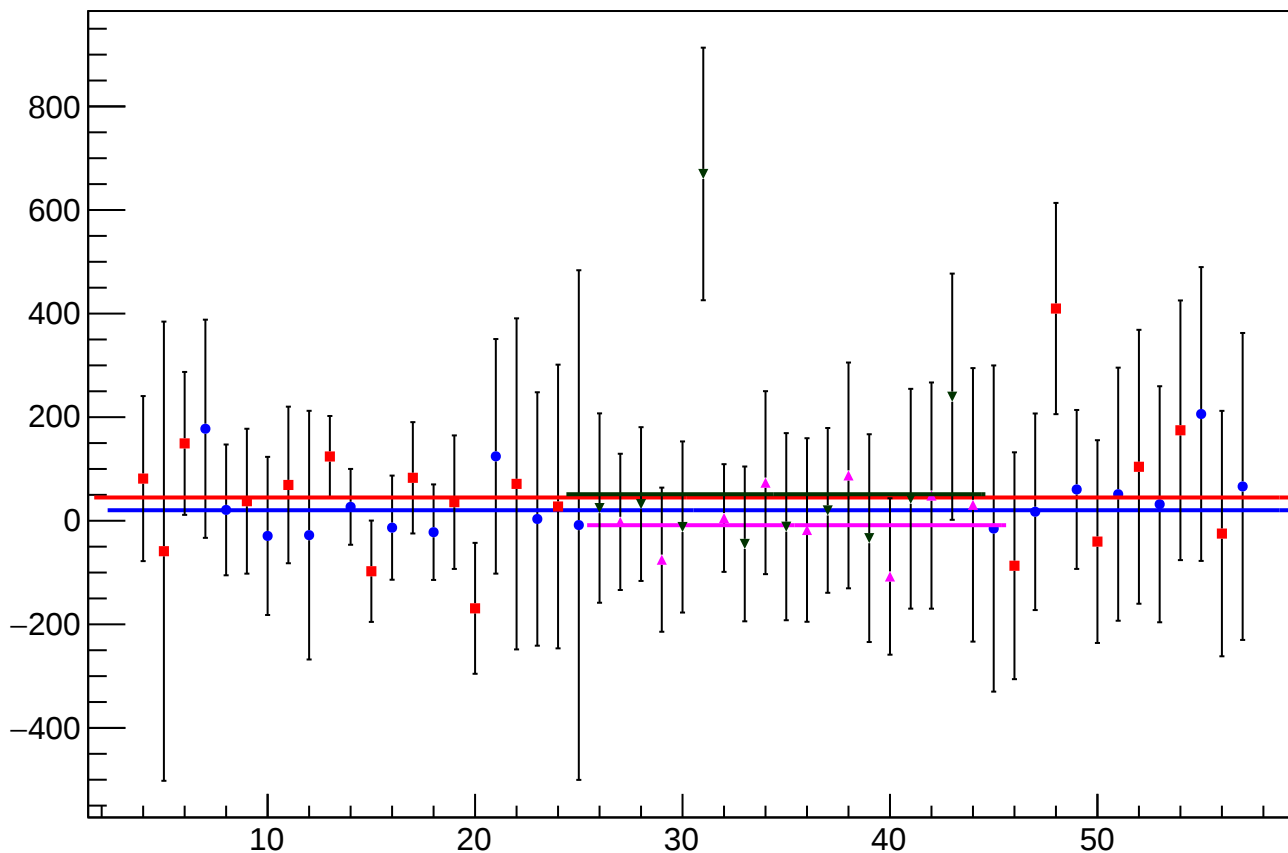
145.434+/-0.028 χ^2/NDF : 3585924.7/26

Right Out: 148.240+/-0.038 χ^2/NDF : 3592630.1/17

133.073+/-0.026 χ^2/NDF : 4265511.2/26

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

asym_bcm_an_ds3_mean vs slug



Right In: 20.315 ± 37.036 χ^2/NDF : 1.8/16

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

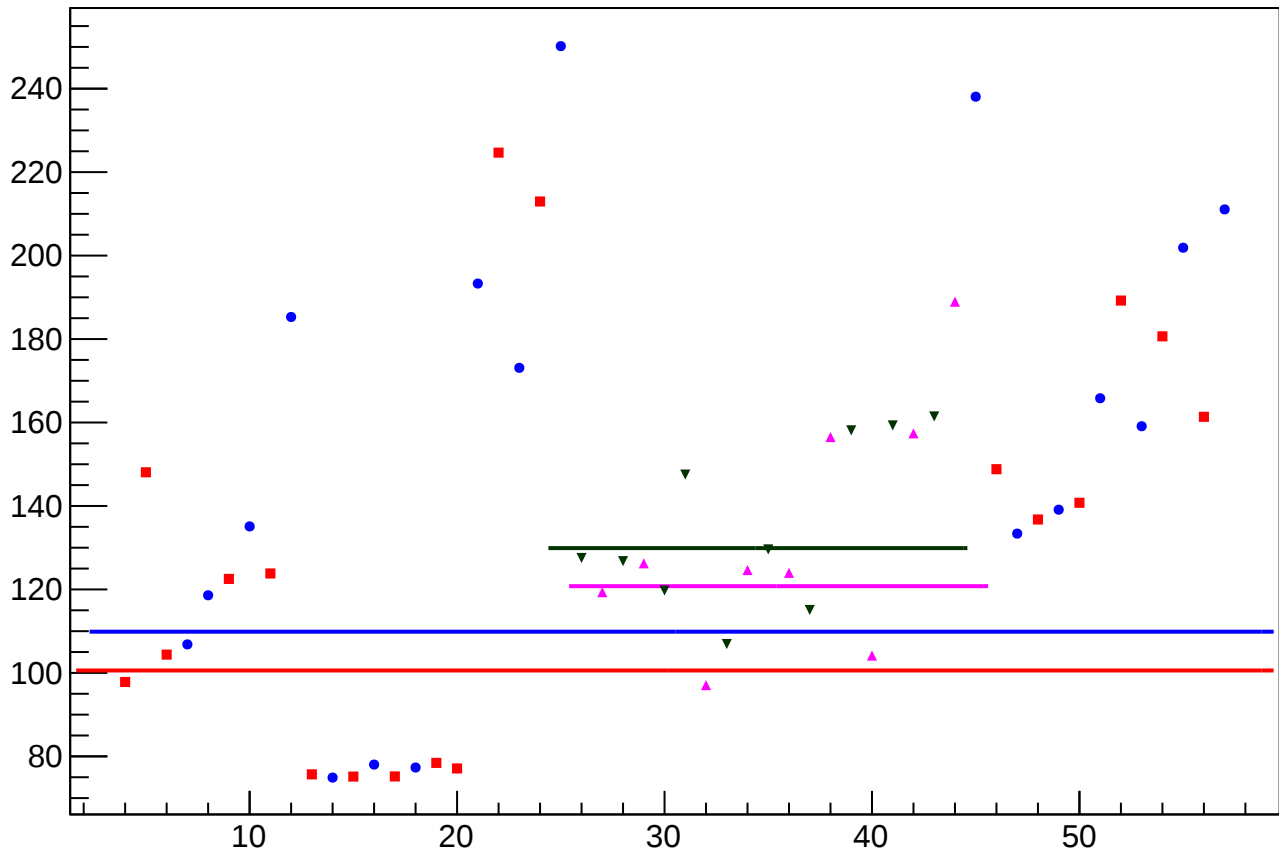
Right Out: 44.935 ± 35.104 χ^2/NDF : 11.0/17

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

29.509 ± 31.046 χ^2/NDF : 10.0/26

28.297 ± 29.141 χ^2/NDF : 12.9/26

asym_bcm_an_ds3_rms vs slug



Right In: 109.877+/-0.026 χ^2/NDF : 2811960.3/16

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

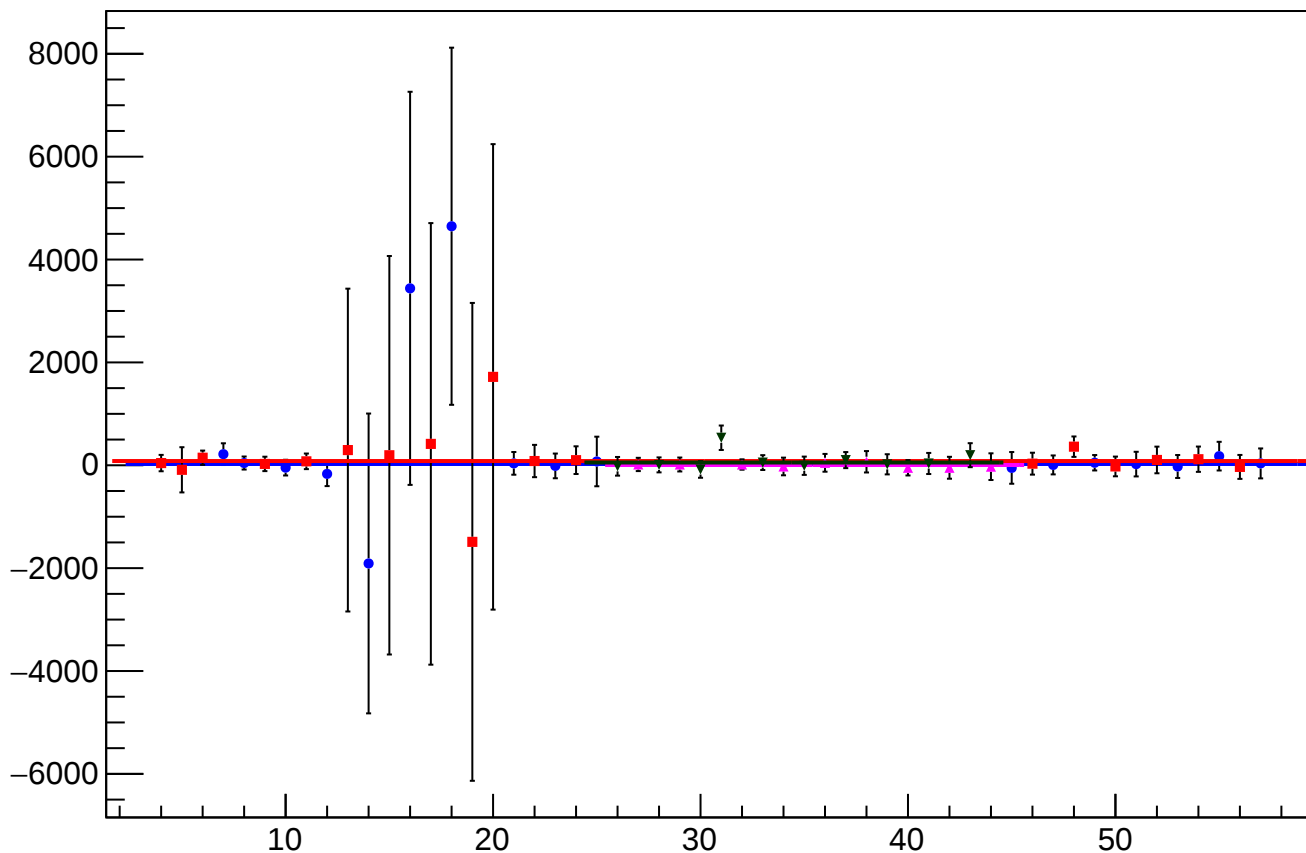
115.831+/-0.022 χ^2/NDF : 3182980.6/26

Right Out: 100.583+/-0.025 χ^2/NDF : 2142046.7/17

106.863+/-0.021 χ^2/NDF : 2724459.3/26

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

asym_bcm_an_us_mean vs slug



Right In: 25.194+/-54.673 χ^2/NDF : 5.2/16

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

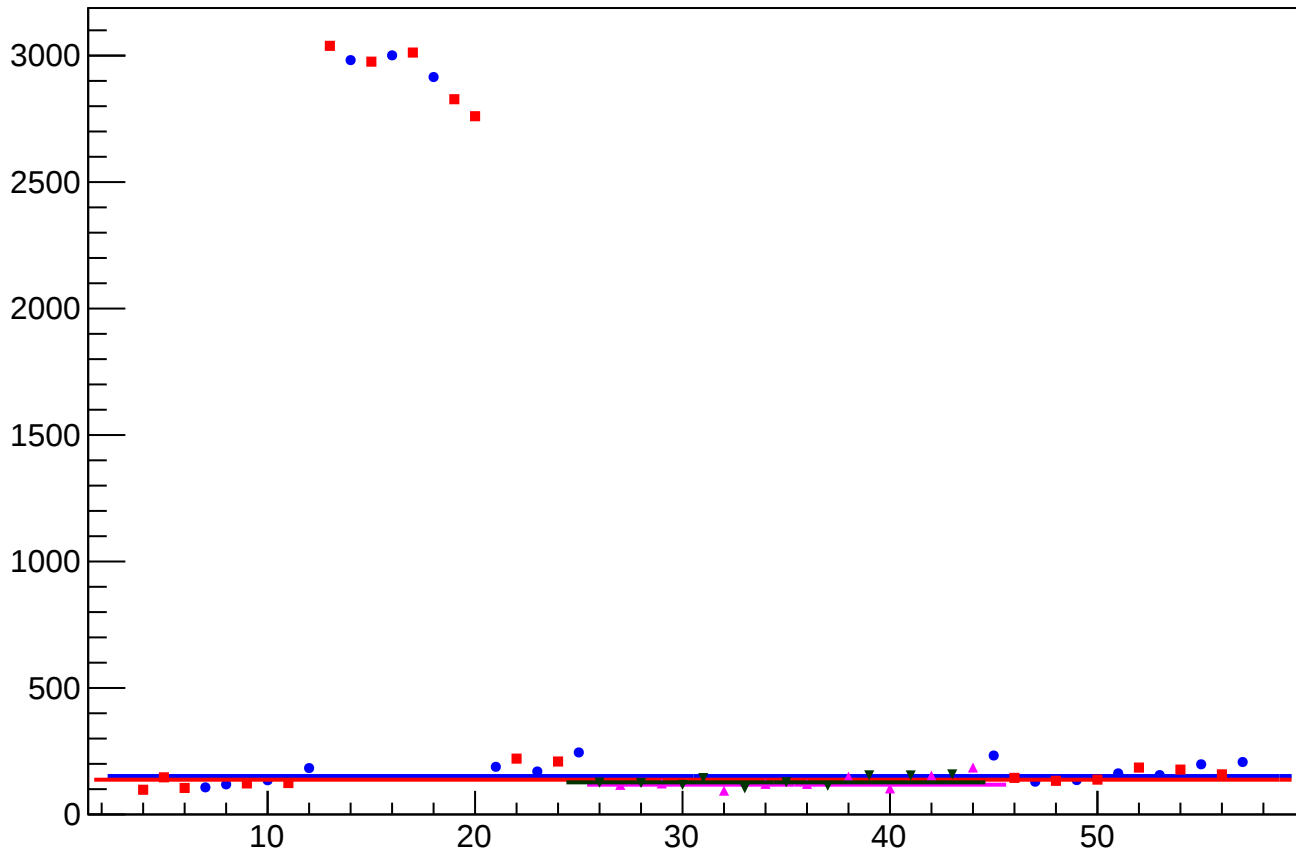
Right Out: 82.527+/-54.215 χ^2/NDF : 3.5/17

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

39.260+/-39.000 χ^2/NDF : 11.0/26

41.443+/-37.120 χ^2/NDF : 5.0/26

asym_bcm_an_us_rms vs slug



Right In: 151.870+/-0.039 χ^2/NDF : 5012968.3/16

Left Out: 126.861+/-0.039 χ^2/NDF : 201202.8/9

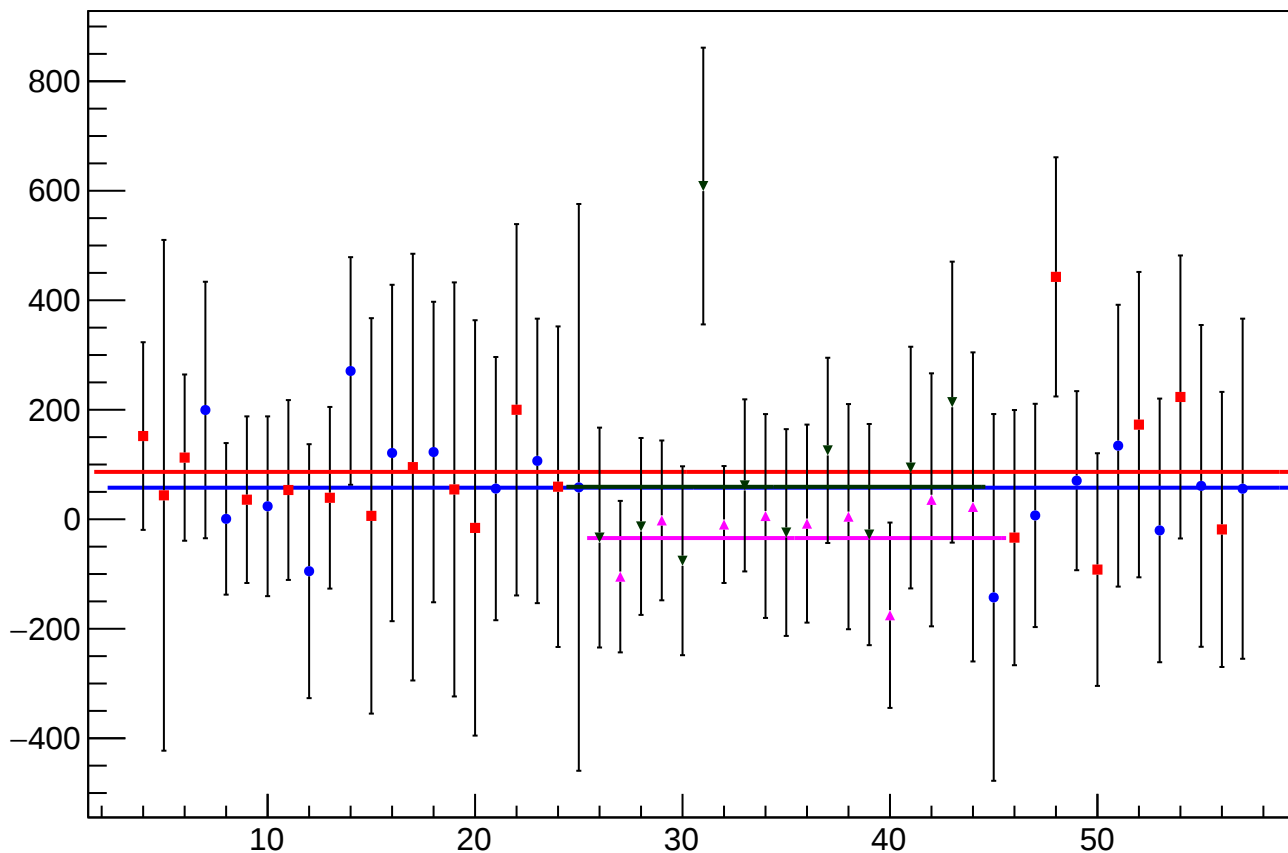
139.587+/-0.028 χ^2/NDF : 5419709.8/26

Right Out: 137.403+/-0.038 χ^2/NDF : 5721465.2/17

126.942+/-0.026 χ^2/NDF : 6236598.6/26

Left In: 117.710+/-0.036 χ^2/NDF : 374948.7/8

asym_bcm_dg_us_mean vs slug



Right In: 57.656+/-54.750 χ^2/NDF : 2.8/16

Left Out: 59.318+/-60.188 χ^2/NDF : 6.7/9

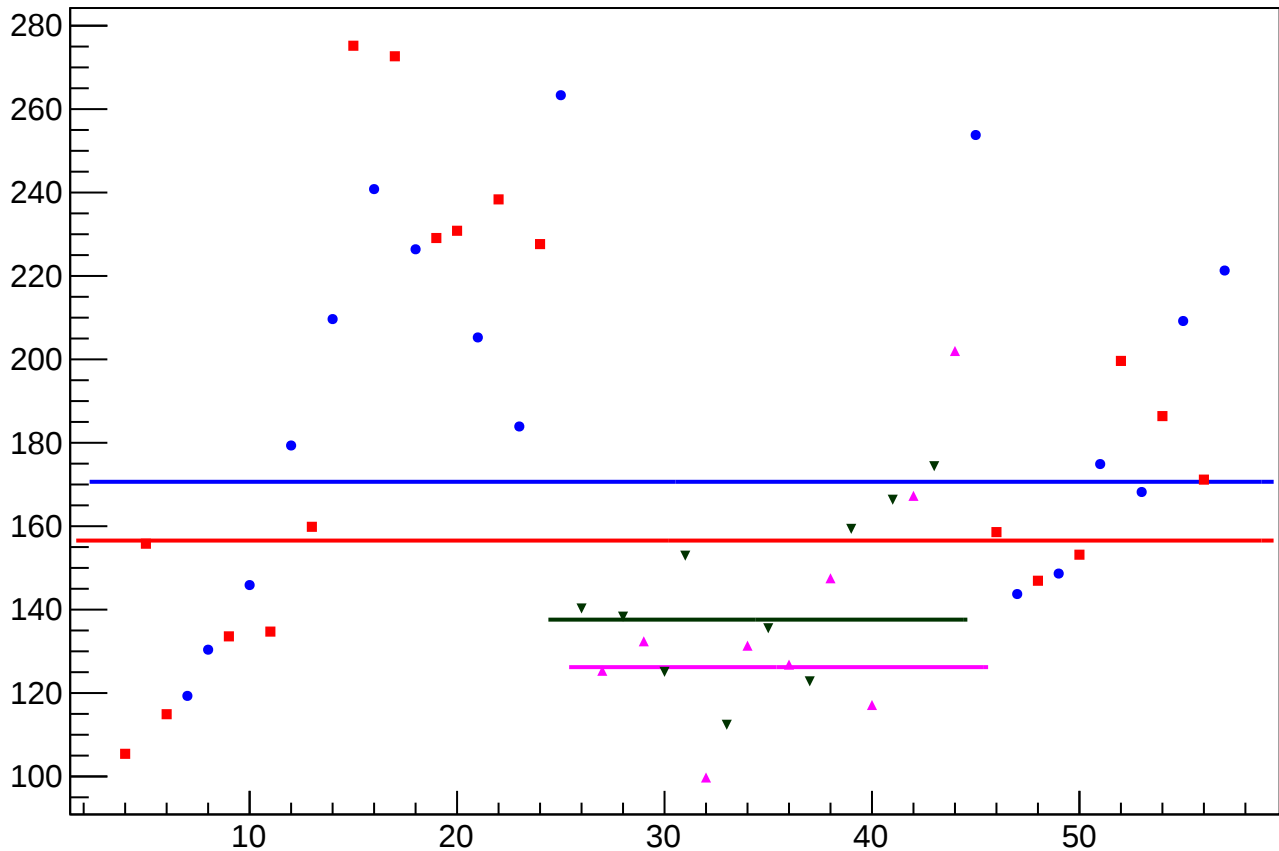
Right Out: 86.533+/-53.273 χ^2/NDF : 4.8/17

Left In: -34.328+/-54.542 χ^2/NDF : 1.3/8

58.408+/-40.500 χ^2/NDF : 9.5/26

27.525+/-38.111 χ^2/NDF : 8.7/26

asym_bcm_dg_us_rms vs slug



Right In: 170.649+/-0.039 χ^2/NDF : 964183.8/16

Left Out: 137.600+/-0.043 χ^2/NDF :183507.0/9

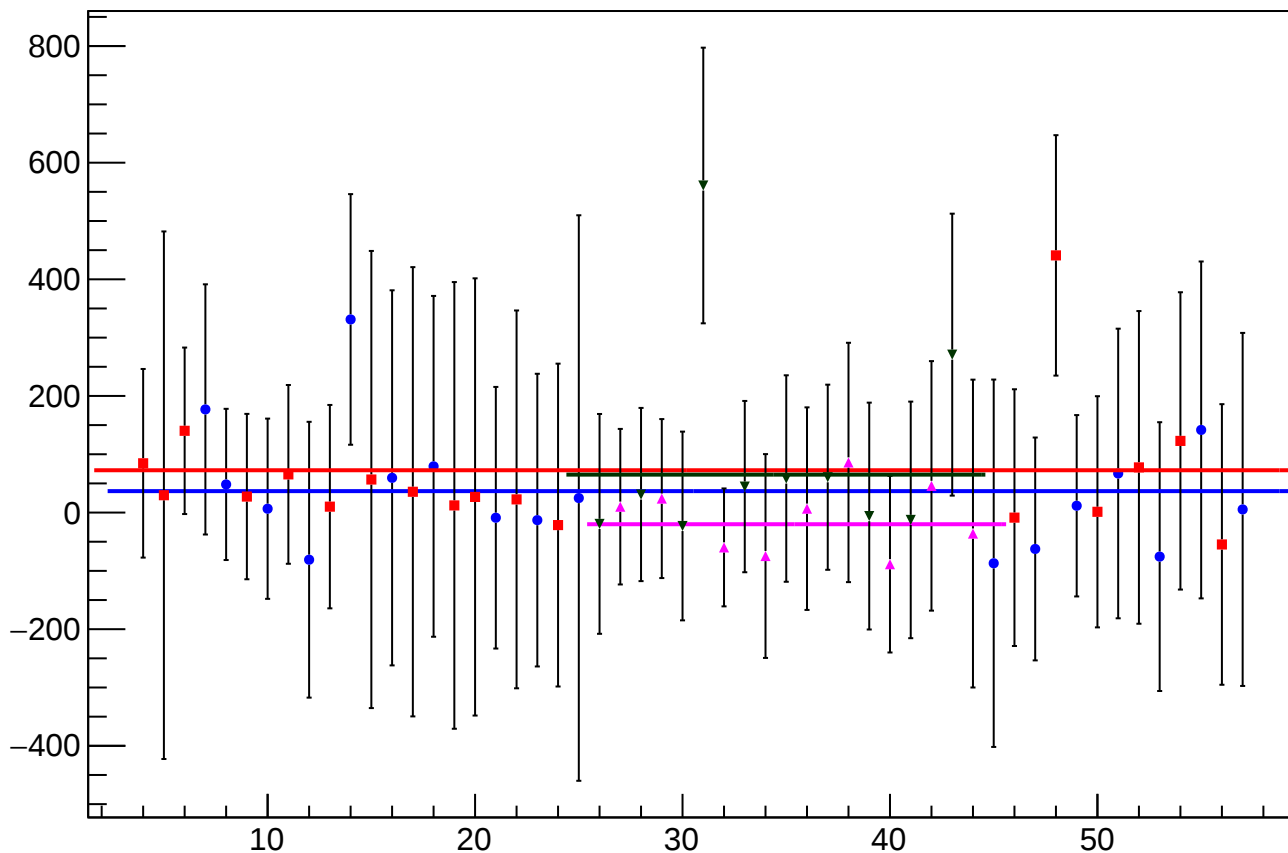
155.685+/-0.029 χ^2/NDF : 1477664.1/26

Right Out: 156.557+/-0.038 χ^2/NDF : 1273691.2/17

141.742+/-0.027 χ^2/NDF : 1953137.9/26

Left In: 126.212+/-0.039 χ^2/NDF :362614.3/8

asym_bcm_dg_ds_mean vs slug



Right In: 36.767+/-52.650 χ^2/NDF : 3.5/16

Left Out: 65.067+/-56.313 χ^2/NDF : 6.0/9

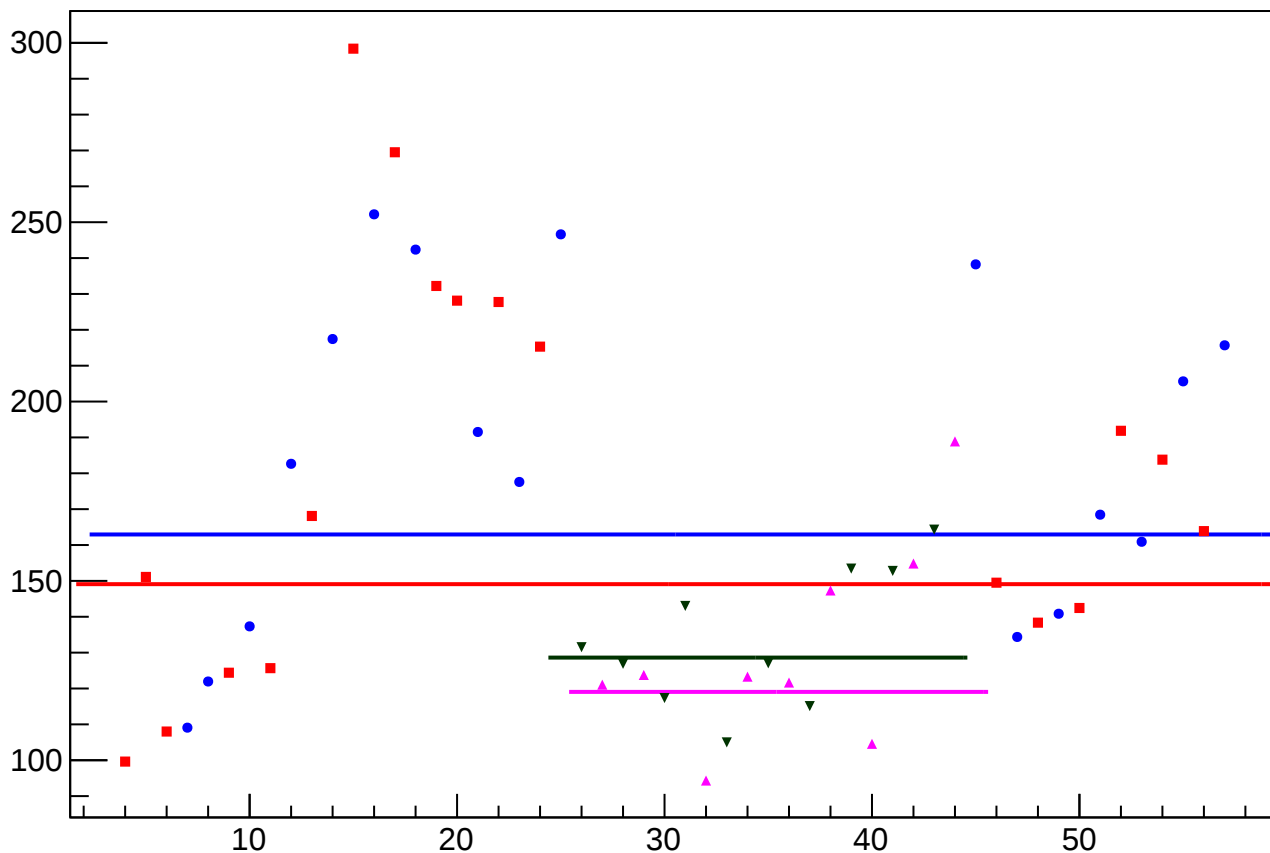
Right Out: 72.563+/-51.078 χ^2/NDF : 4.4/17

Left In: -19.993+/-51.483 χ^2/NDF : 1.0/8

49.966+/-38.459 χ^2/NDF : 9.7/26

26.650+/-36.260 χ^2/NDF : 7.1/26

asym_bcm_dg_ds_rms vs slug



Right In: 162.944+/-0.037 χ^2/NDF : 1228906.9/16

Left Out: 128.616+/-0.040 χ^2/NDF :188850.5/9

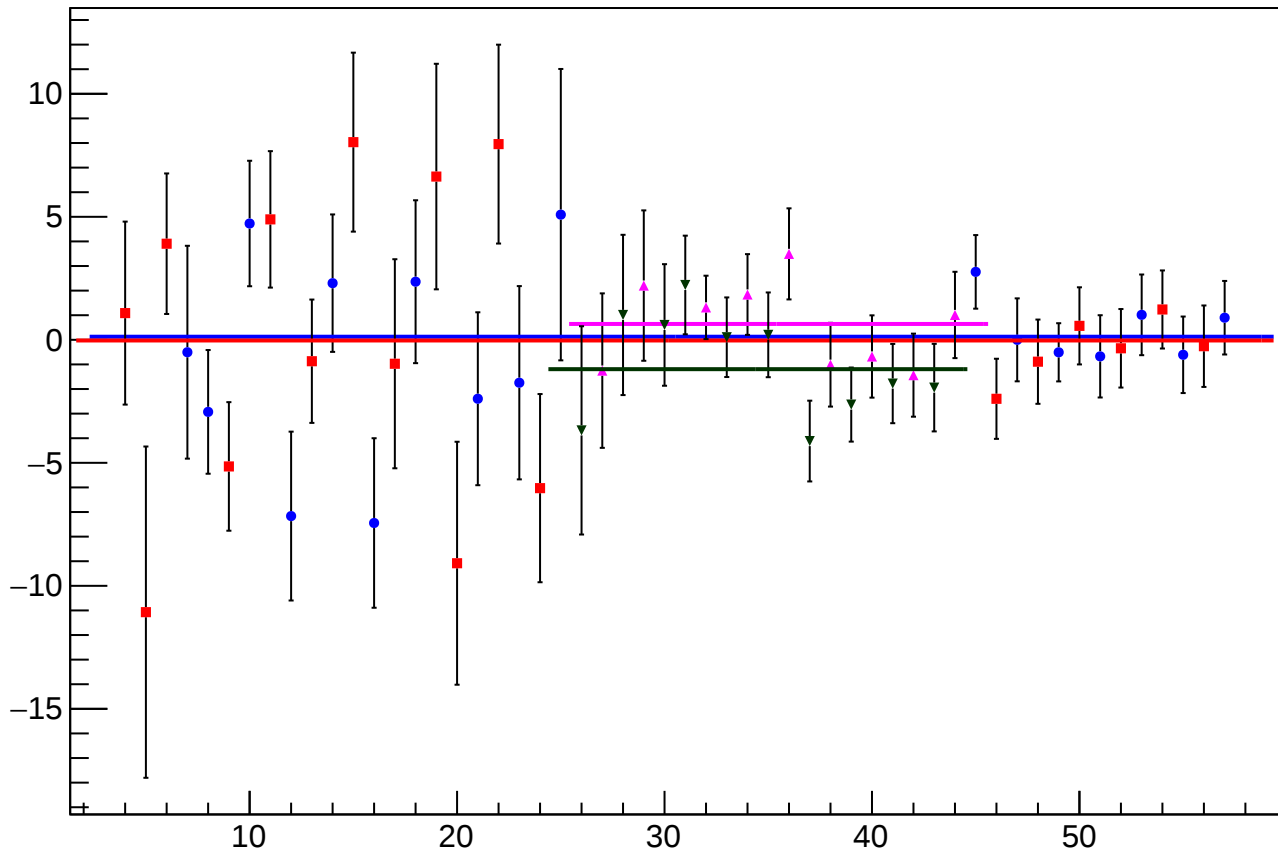
Right Out: 149.090+/-0.036 χ^2/NDF : 1488046.8/17

Left In: 119.054+/-0.036 χ^2/NDF :376220.0/8

146.933+/-0.027 χ^2/NDF : 1814303.0/26

134.191+/-0.026 χ^2/NDF : 2207319.3/26

asym_cav4bQ_mean vs slug



Right In: 0.126+/-0.498 χ^2/NDF : 21.0/16

Left Out: -1.193+/-0.598 χ^2/NDF : 9.9/9

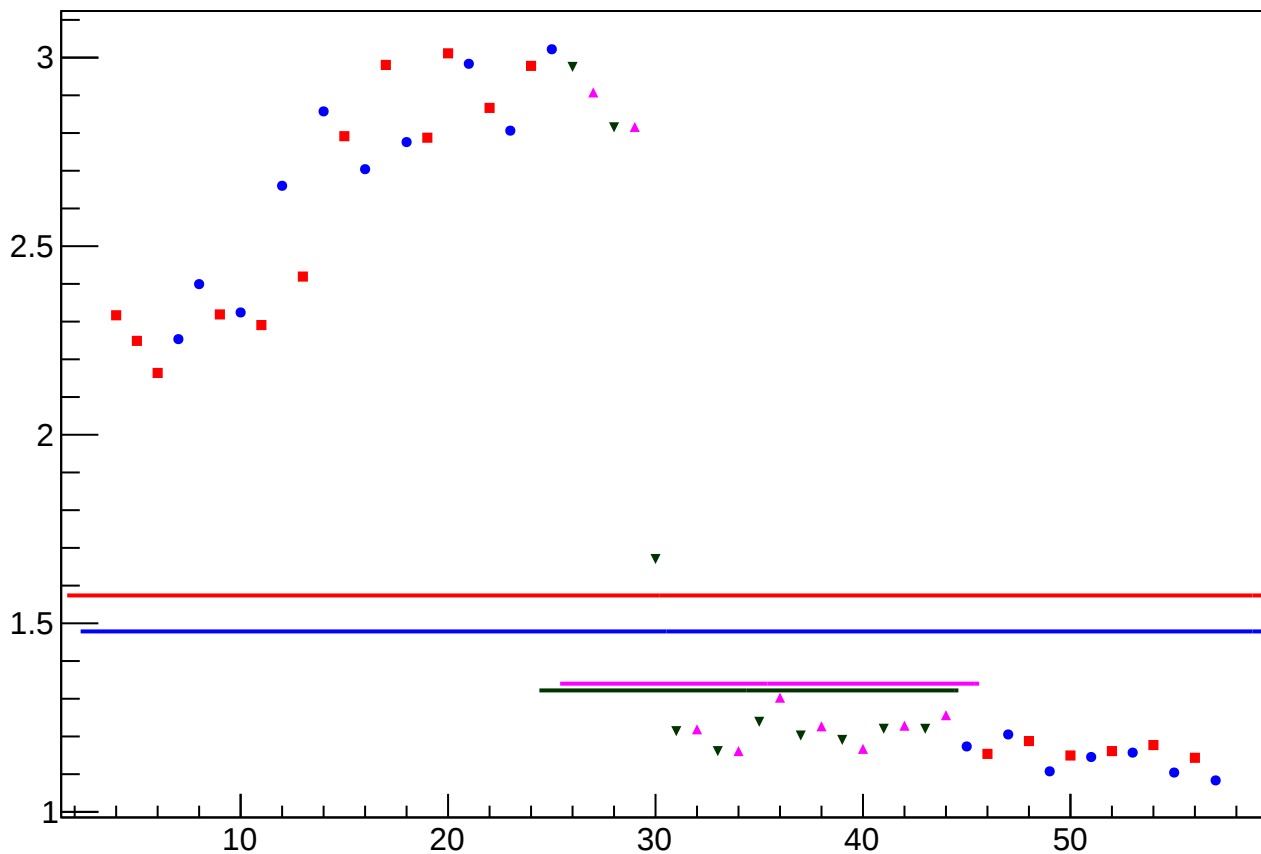
Right Out: -0.027+/-0.552 χ^2/NDF : 31.8/17

Left In: 0.645+/-0.592 χ^2/NDF : 6.9/8

-0.414+/-0.383 χ^2/NDF : 33.8/26

0.286+/-0.404 χ^2/NDF : 39.4/26

asym_cav4bQ_rms vs slug



Right In: 1.479+/-0.000 χ^2/NDF : 3312276.8/16

Left Out: 1.322+/-0.000 χ^2/NDF :835682.2/9

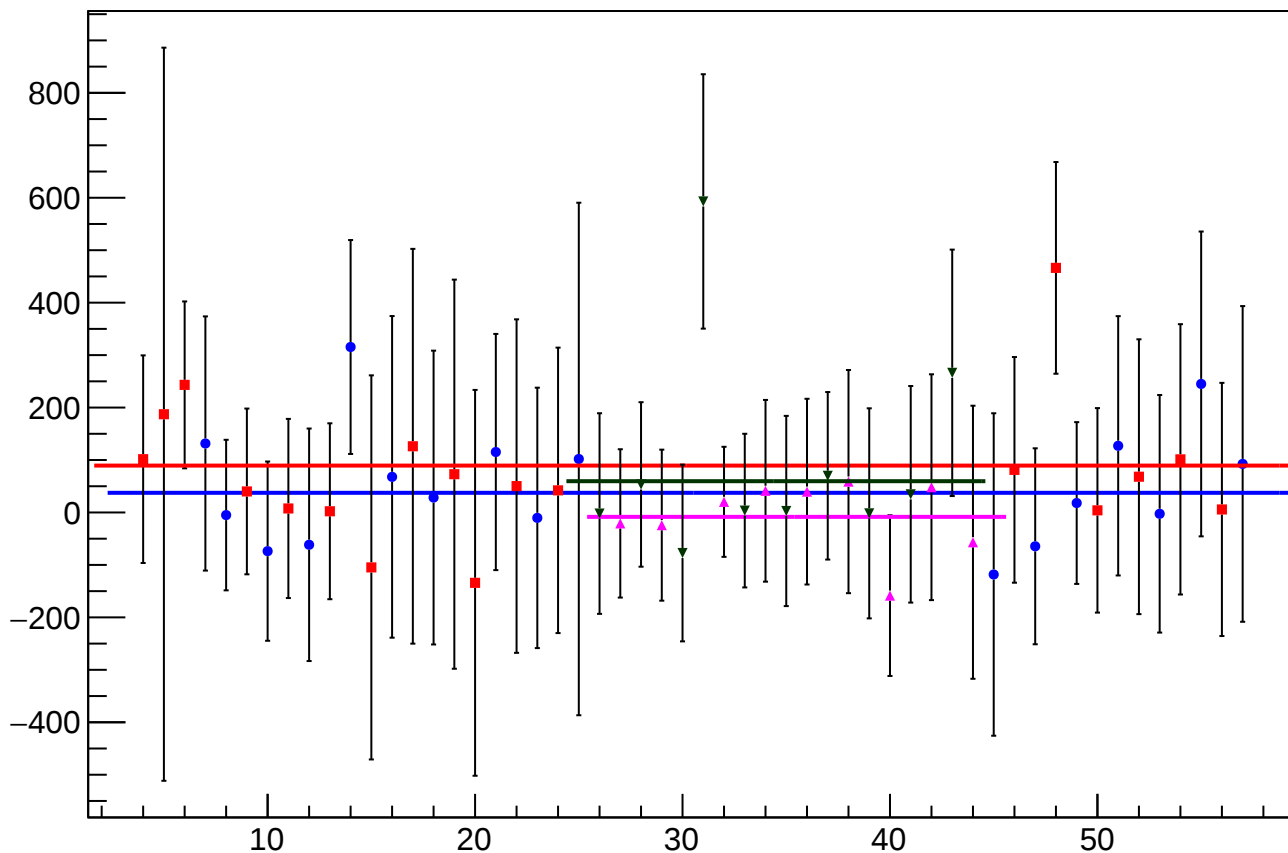
Right Out: 1.574+/-0.000 χ^2/NDF : 2711529.4/17

Left In: 1.340+/-0.000 χ^2/NDF :1050714.6/8

1.414+/-0.000 χ^2/NDF : 4228769.1/26

1.465+/-0.000 χ^2/NDF : 3929255.8/26

asym_cav4cQ_mean vs slug



Right In: 37.476 ± 53.619 χ^2/NDF : 4.2/16

Left Out: 59.618 ± 57.448 χ^2/NDF : 6.7/9

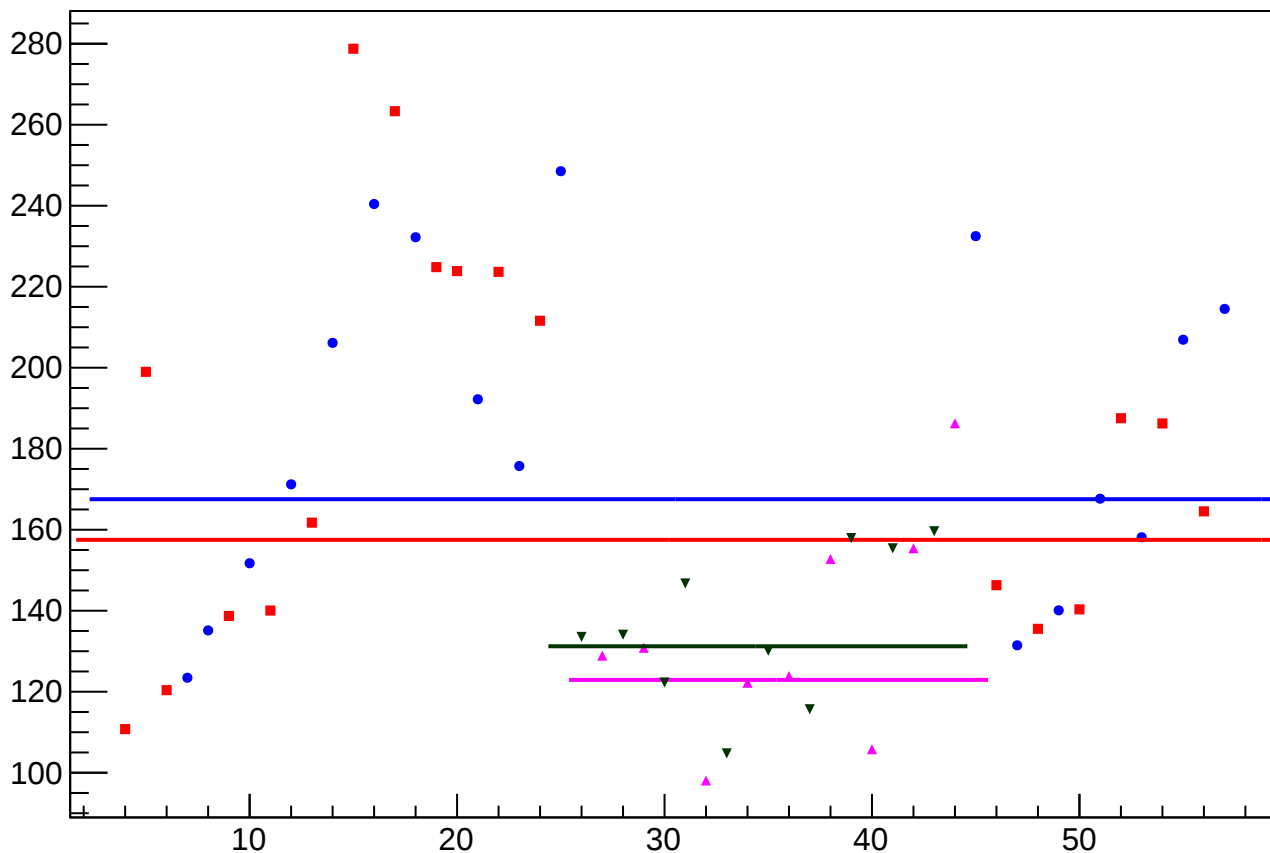
Right Out: 89.383 ± 53.540 χ^2/NDF : 6.1/17

Left In: -8.384 ± 53.045 χ^2/NDF : 1.4/8

47.784 ± 39.198 χ^2/NDF : 11.0/26

40.045 ± 37.682 χ^2/NDF : 9.2/26

asym_cav4cQ_rms vs slug



Right In: 167.536+/-0.038 χ^2/NDF : 874546.5/16

Left Out: 131.224+/-0.041 χ^2/NDF :191308.6/9

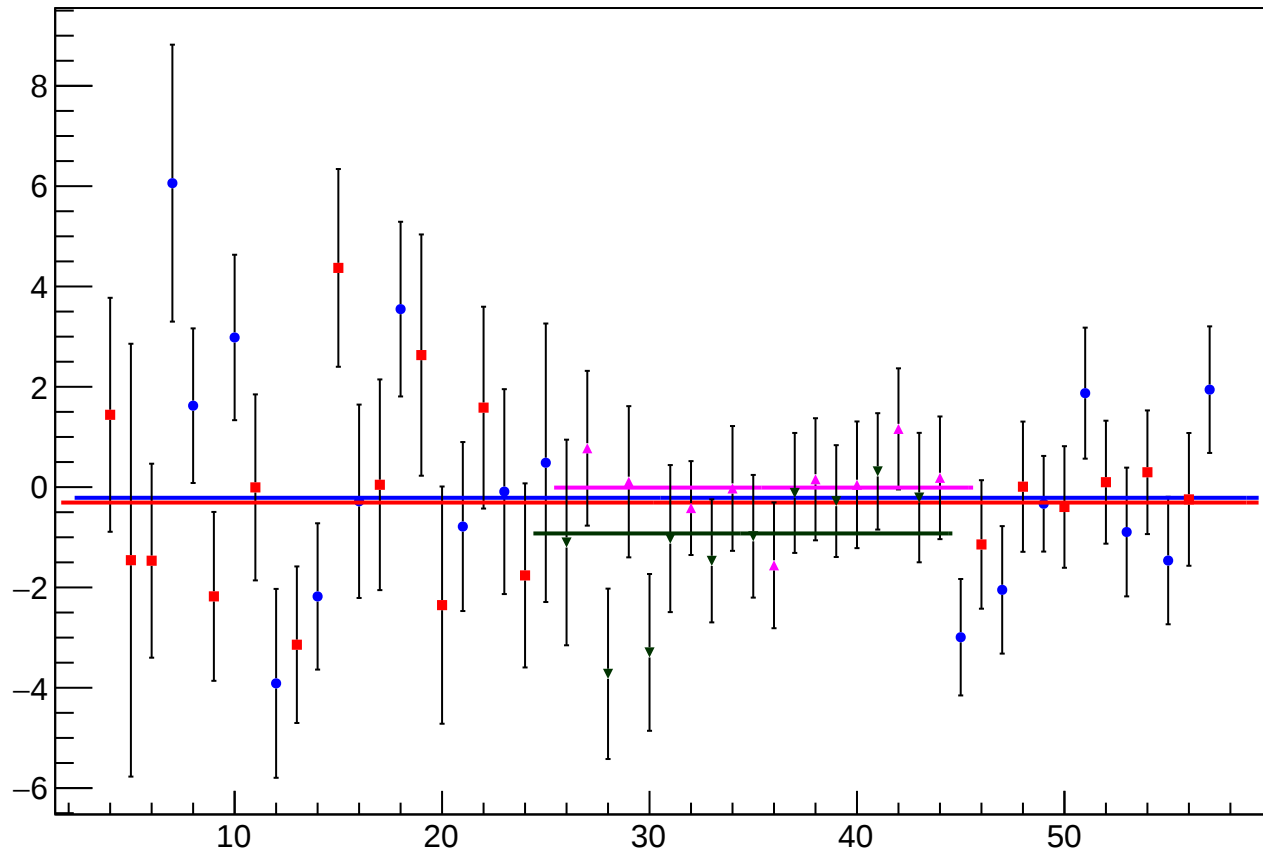
Right Out: 157.502+/-0.038 χ^2/NDF : 1049671.0/17

Left In: 122.920+/-0.038 χ^2/NDF :350338.0/8

150.630+/-0.028 χ^2/NDF : 1492888.2/26

140.051+/-0.027 χ^2/NDF : 1821076.0/26

asym_cav4dQ_mean vs slug



Right In: -0.213 ± 0.356 χ^2/NDF : 35.4/16

Left Out: -0.924 ± 0.421 χ^2/NDF : 7.5/9

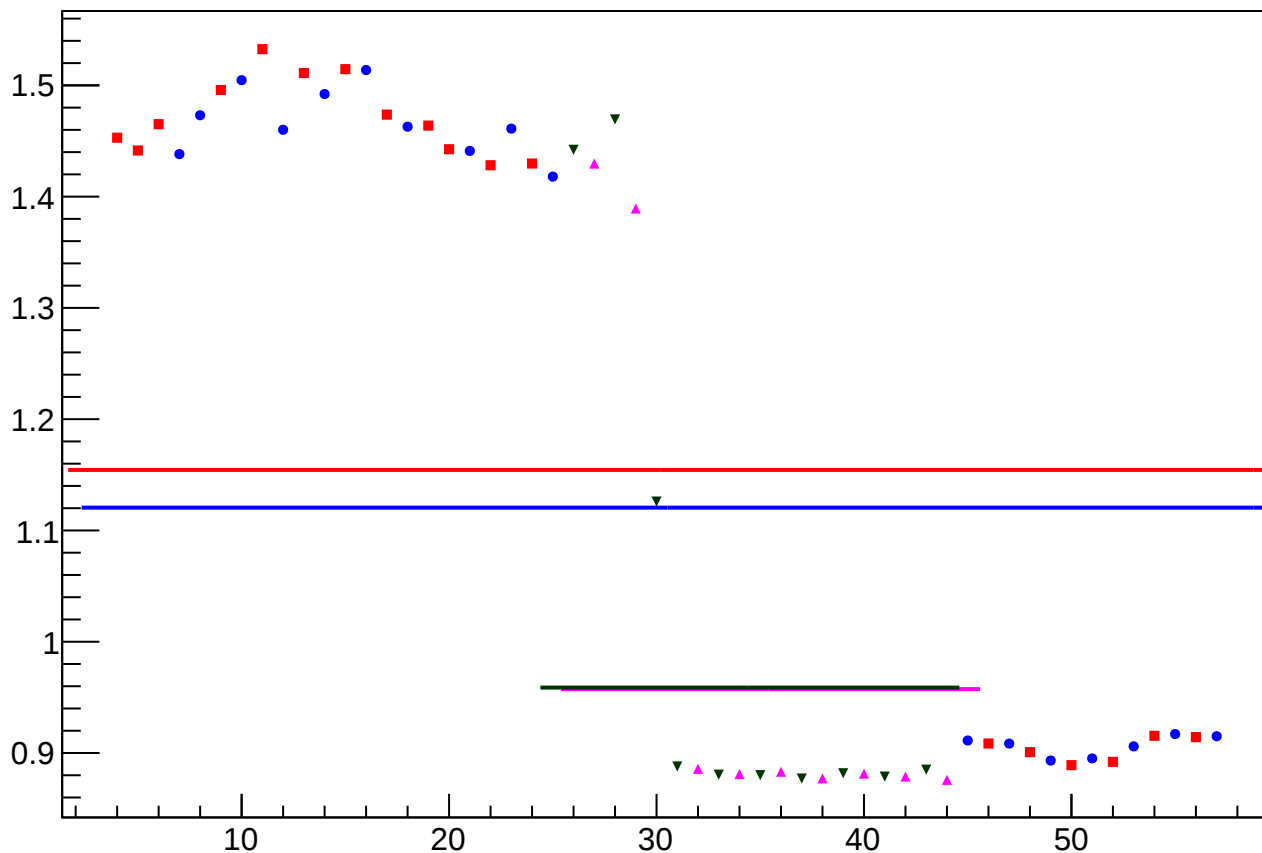
Right Out: -0.308 ± 0.386 χ^2/NDF : 15.8/17

Left In: -0.010 ± 0.410 χ^2/NDF : 3.0/8

-0.509 ± 0.272 χ^2/NDF : 44.6/26

-0.168 ± 0.281 χ^2/NDF : 19.1/26

asym_cav4dQ_rms vs slug



Right In: 1.121+/-0.000 χ^2/NDF : 1200309.4/16

Left Out: 0.959+/-0.000 χ^2/NDF : 370902.6/9

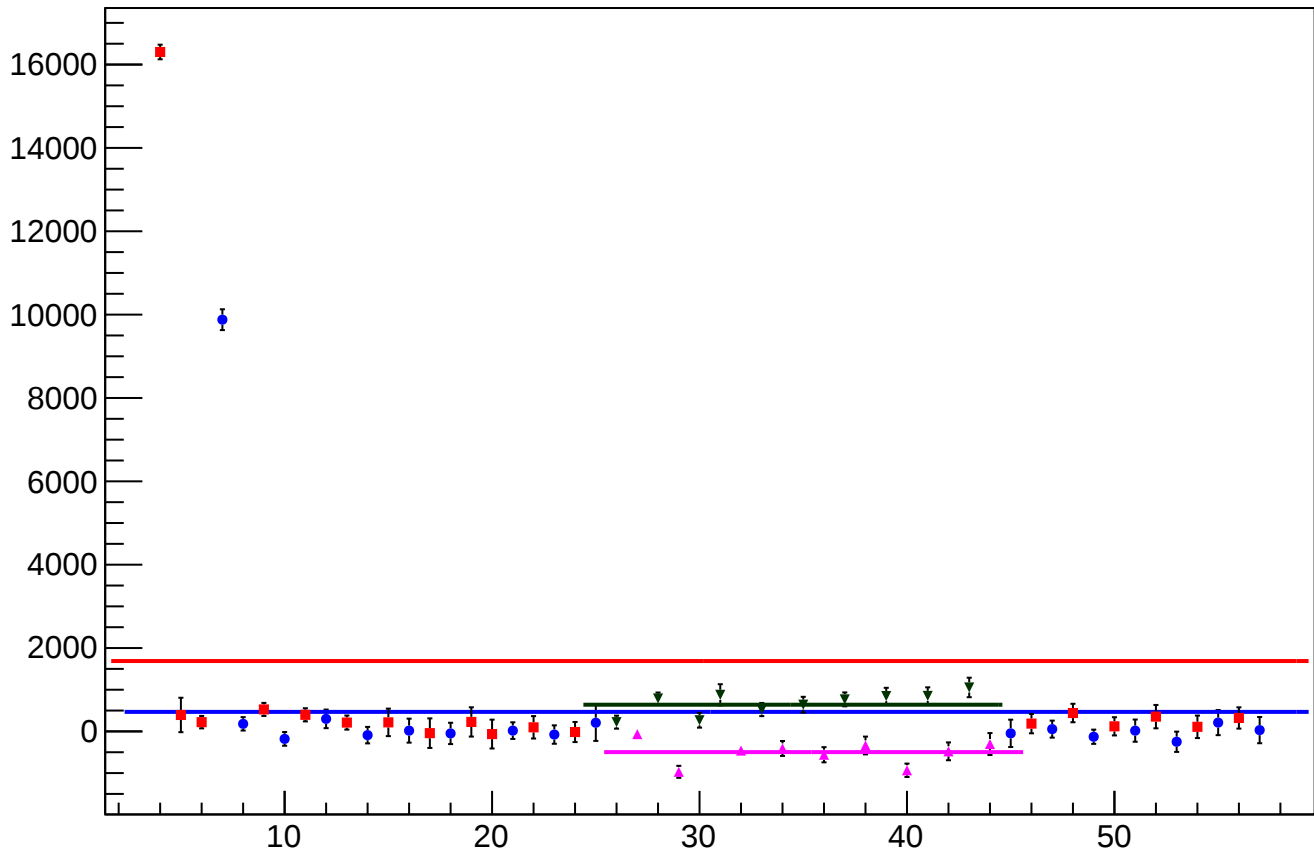
Right Out: 1.154+/-0.000 χ^2/NDF : 1099581.6/17

Left In: 0.957+/-0.000 χ^2/NDF : 411162.2/8

1.053+/-0.000 χ^2/NDF : 1743268.7/26

1.062+/-0.000 χ^2/NDF : 1755401.3/26

asym_bcm0l02_mean vs slug



Right In: 468.250+/-54.625 χ^2/NDF : 1495.7/16

Left Out: 640.376+/-56.927 χ^2/NDF :19.9/9

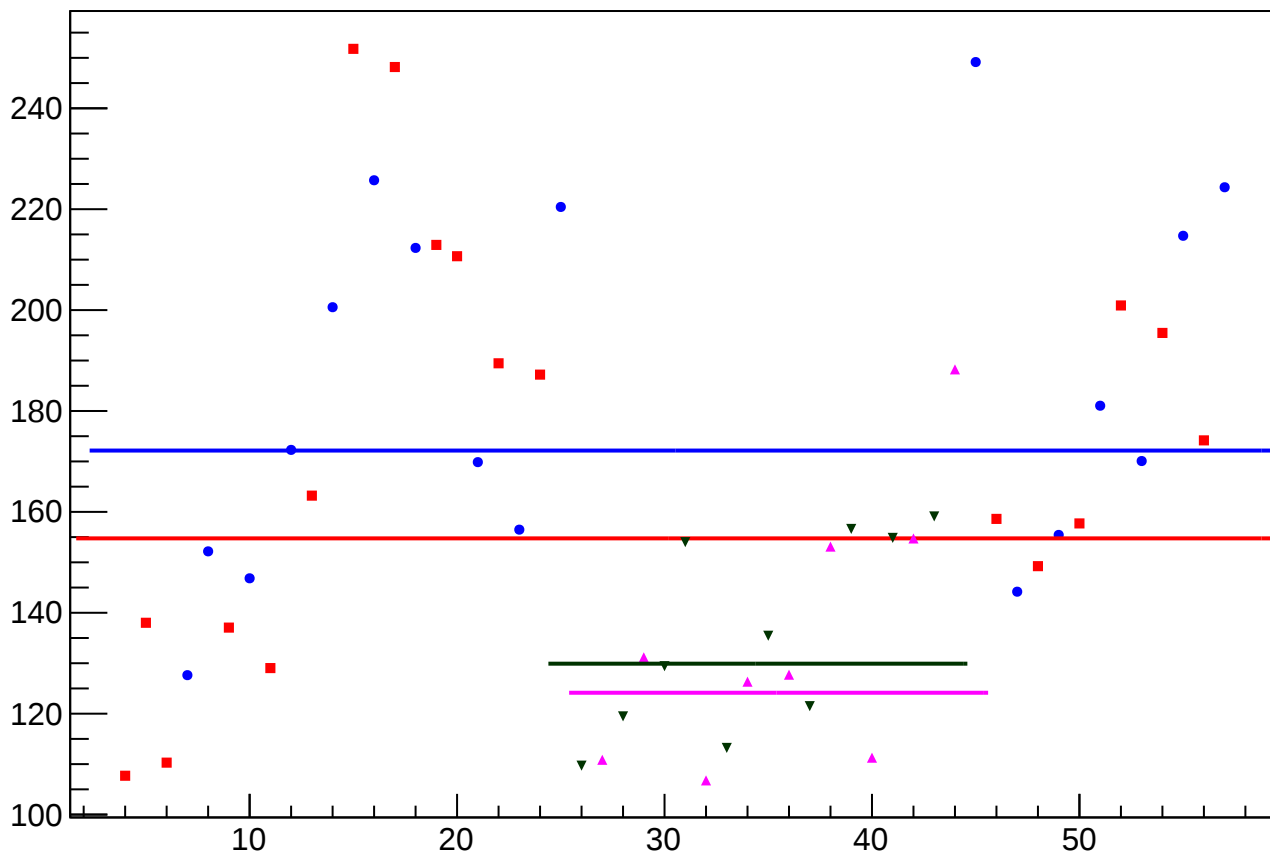
550.763+/-39.414 χ^2/NDF : 1520.4/26

Right Out: 1688.366+/-52.331 χ^2/NDF : 7621.1/17

616.100+/-37.347 χ^2/NDF : 8509.1/26

Left In: -496.812+/-53.314 χ^2/NDF :32.4/8

asym_bcm0l02_rms vs slug



Right In: 172.157+/-0.039 χ^2/NDF : 600612.7/16

Left Out: 129.911+/-0.040 χ^2/NDF :188039.4/9

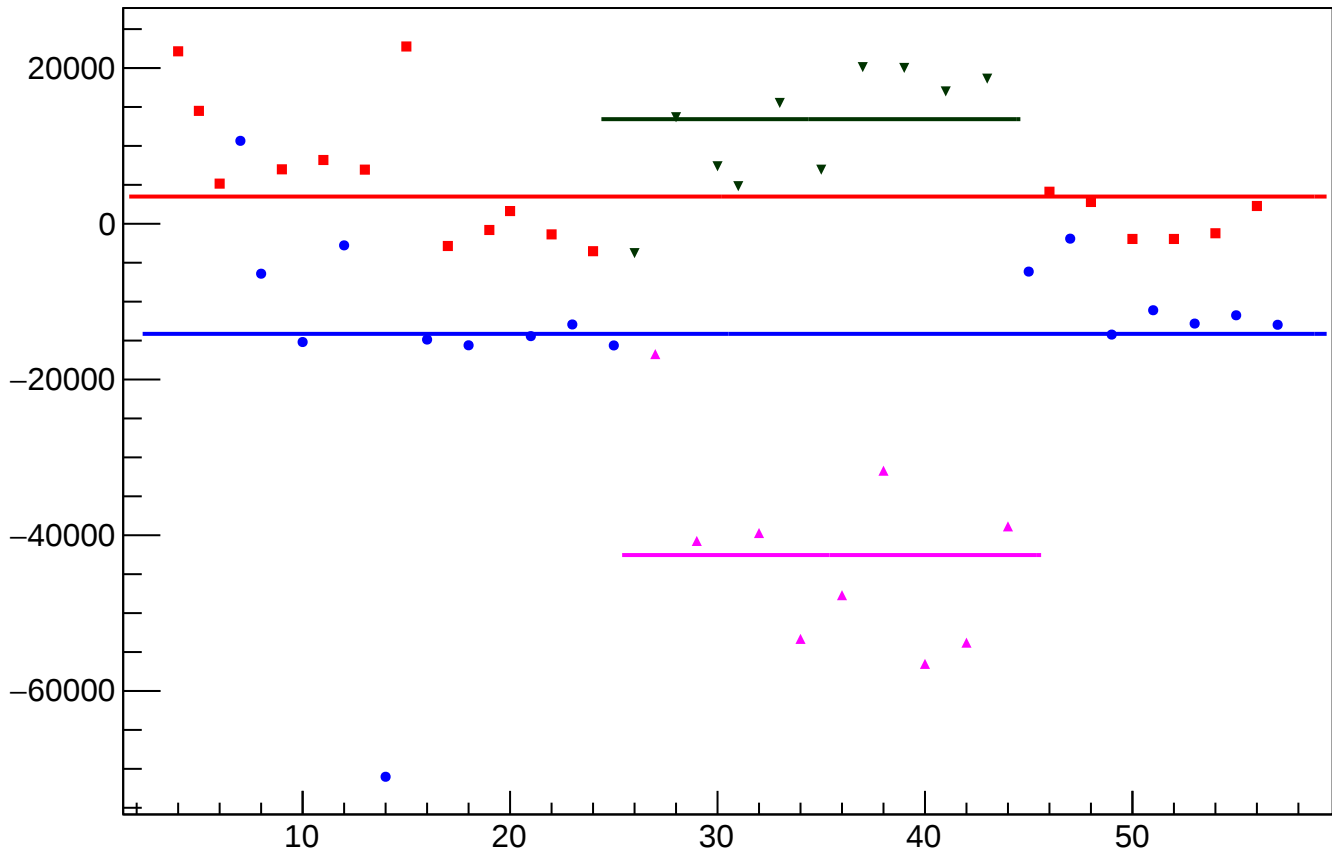
Right Out: 154.749+/-0.037 χ^2/NDF : 1009746.6/17

Left In: 124.148+/-0.038 χ^2/NDF :285531.8/8

151.905+/-0.028 χ^2/NDF : 1362109.7/26

139.733+/-0.026 χ^2/NDF : 1630841.8/26

asym_bpm2i01WS_mean vs slug



Right In: -14136.515+/-33.661 χ^2/NDF : 220717.1/16

Left Out: 13435.021+/-42.371 χ^2/NDF :28229.6/9

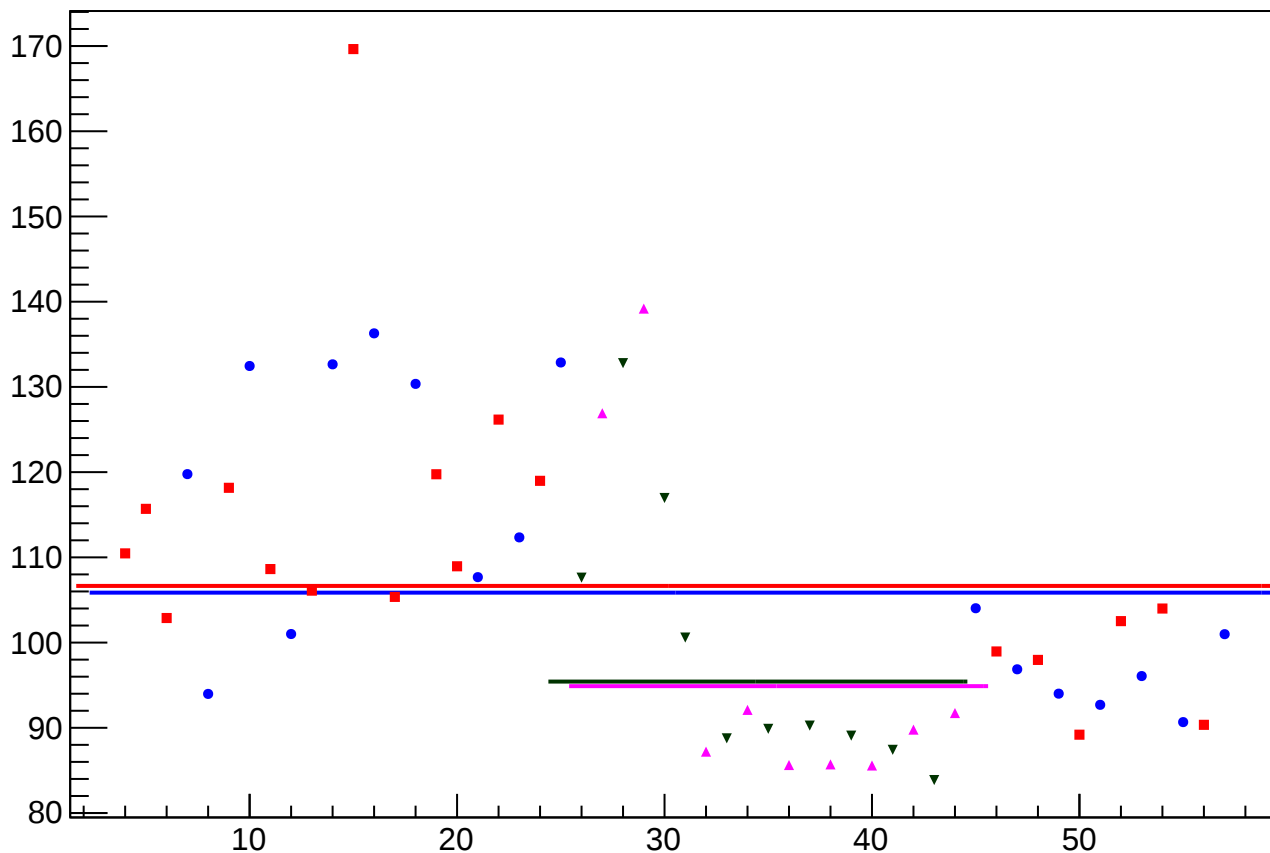
-3468.406+/-26.356 χ^2/NDF : 508538.5/26

Right Out: 3496.561+/-35.691 χ^2/NDF : 31113.3/17

-16115.103+/-27.041 χ^2/NDF : 811356.4/26

Left In: -42544.240+/-41.432 χ^2/NDF :71406.7/8

asym_bpm2i01WS_rms vs slug



Right In: 105.860 $\pm$ 0.024 χ^2 /NDF: 405251.6/16

Left Out: 95.426 $\pm$ 0.030 χ^2 /NDF:200660.2/9

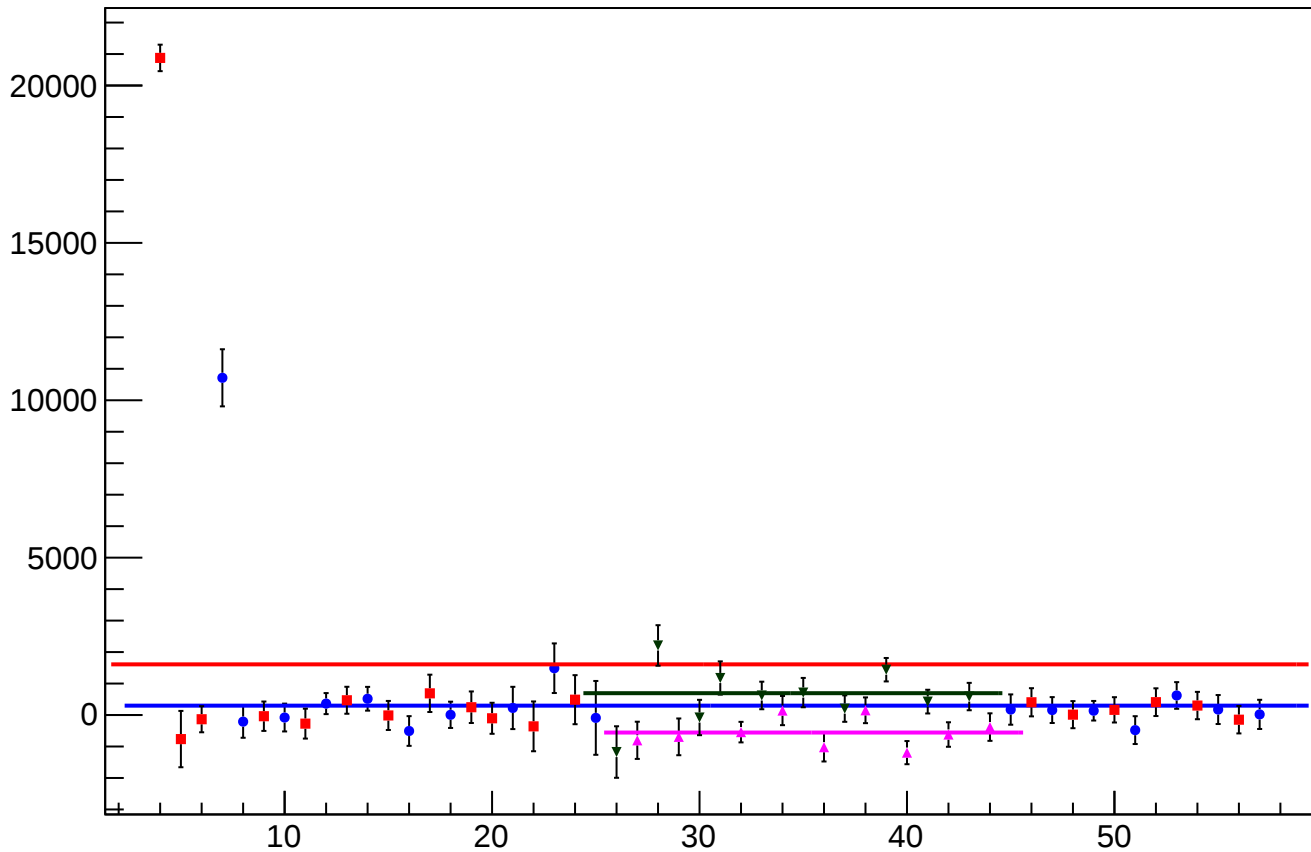
Right Out: 106.650 $\pm$ 0.025 χ^2 /NDF: 294819.1/17

Left In: 94.889 $\pm$ 0.029 χ^2 /NDF:314634.4/8

101.823 $\pm$ 0.019 χ^2 /NDF: 680274.3/26

101.640 $\pm$ 0.019 χ^2 /NDF: 701955.8/26

asym_bpm0i07WS_mean vs slug



Right In: 297.769+/-110.761 χ^2/NDF : 144.2/16

Left Out: 693.815+/-147.932 χ^2/NDF : 19.5/9

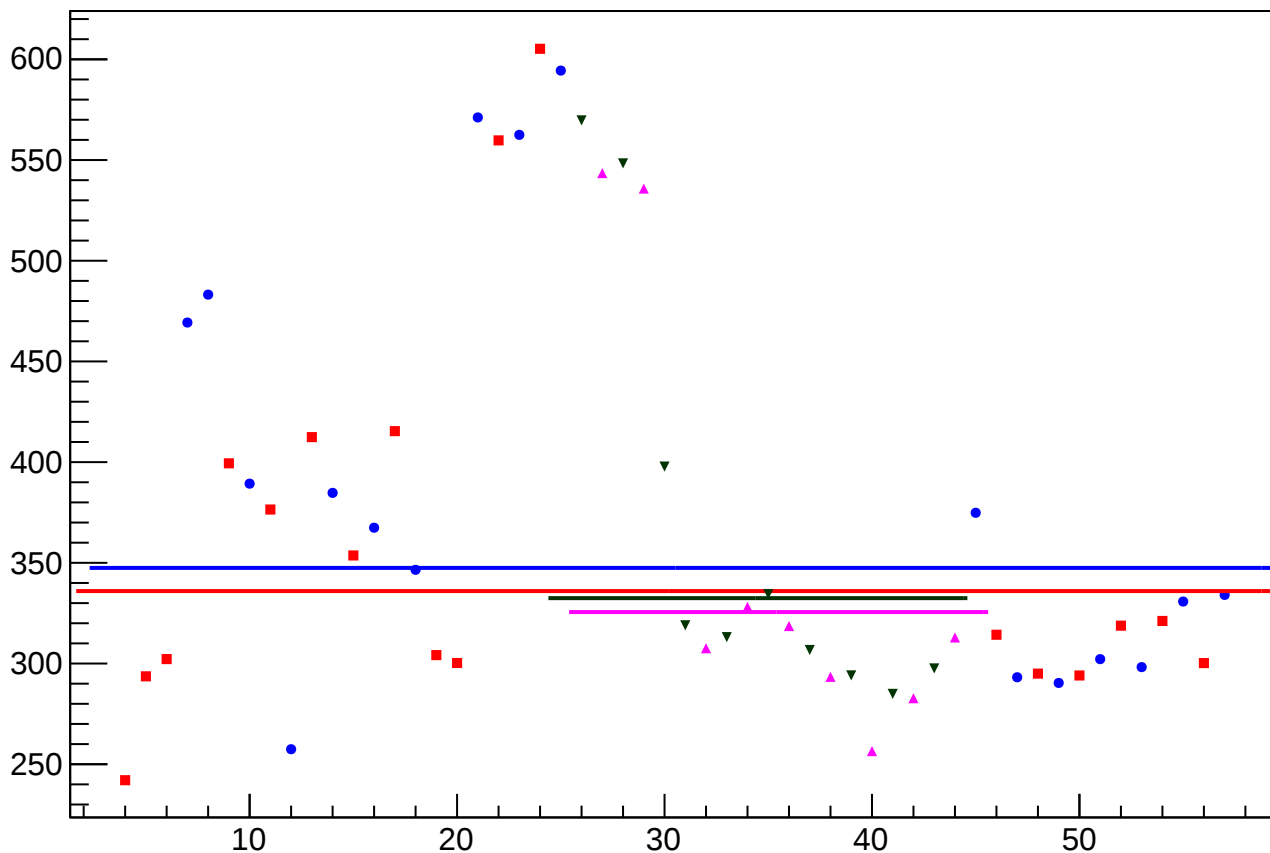
440.037+/-88.663 χ^2/NDF : 168.3/26

Right Out: 1609.552+/-112.975 χ^2/NDF : 2266.8/17

766.957+/-88.309 χ^2/NDF : 2419.5/26

Left In: -556.564+/-141.592 χ^2/NDF : 9.7/8

asym_bpm0i07WS_rms vs slug



Right In: 347.484 $\pm$ 0.078 χ^2 /NDF: 982869.8/16

Left Out: 332.466 $\pm$ 0.105 χ^2 /NDF: 498518.7/9

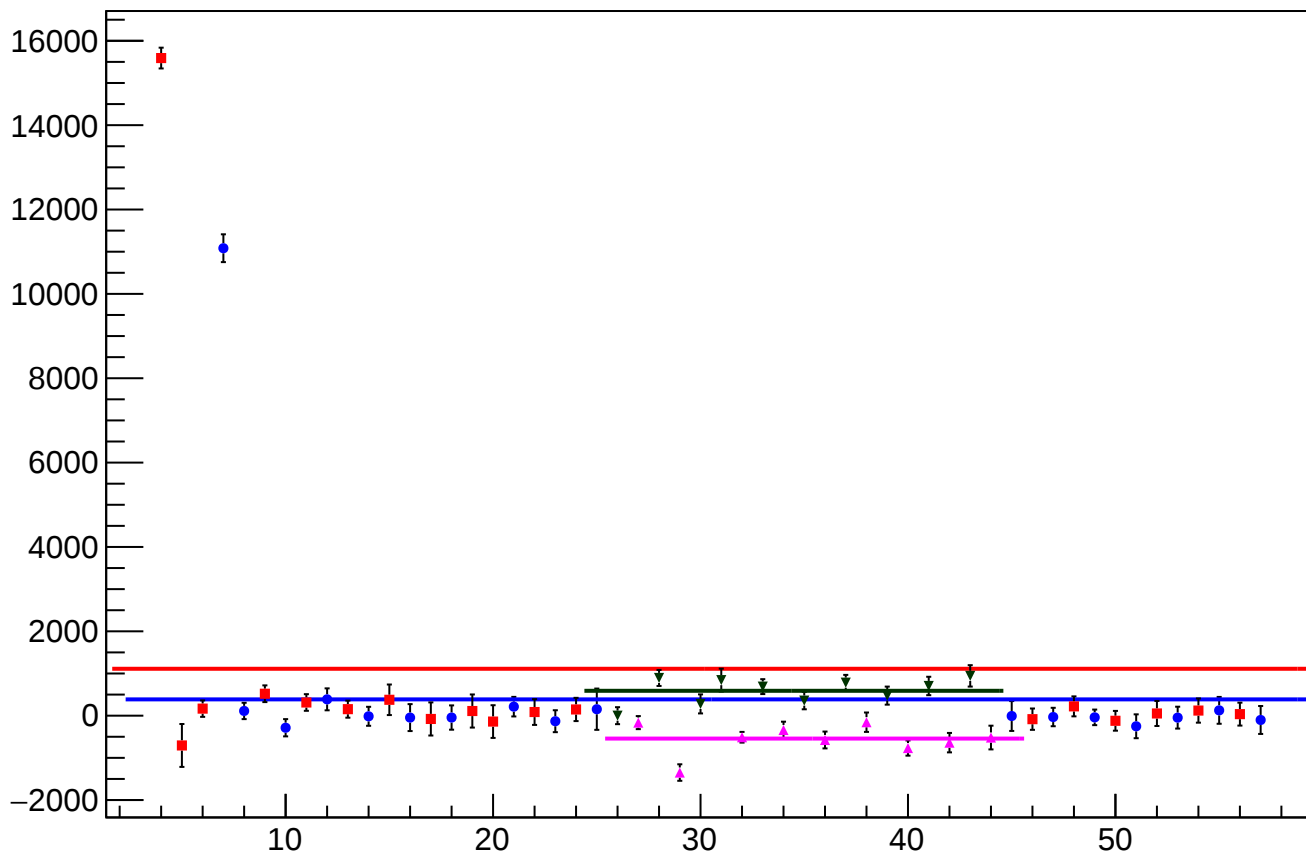
Right Out: 335.974 $\pm$ 0.080 χ^2 /NDF: 752085.4/17

Left In: 325.557 $\pm$ 0.100 χ^2 /NDF: 646591.2/8

342.089 $\pm$ 0.063 χ^2 /NDF: 1494597.0/26

331.922 $\pm$ 0.062 χ^2 /NDF: 1405291.0/26

asym_bpm0l01WS_mean vs slug



Right In: 386.235+/-62.206 χ^2/NDF : 1098.6/16

Left Out: 589.690+/-66.057 χ^2/NDF : 19.1/9

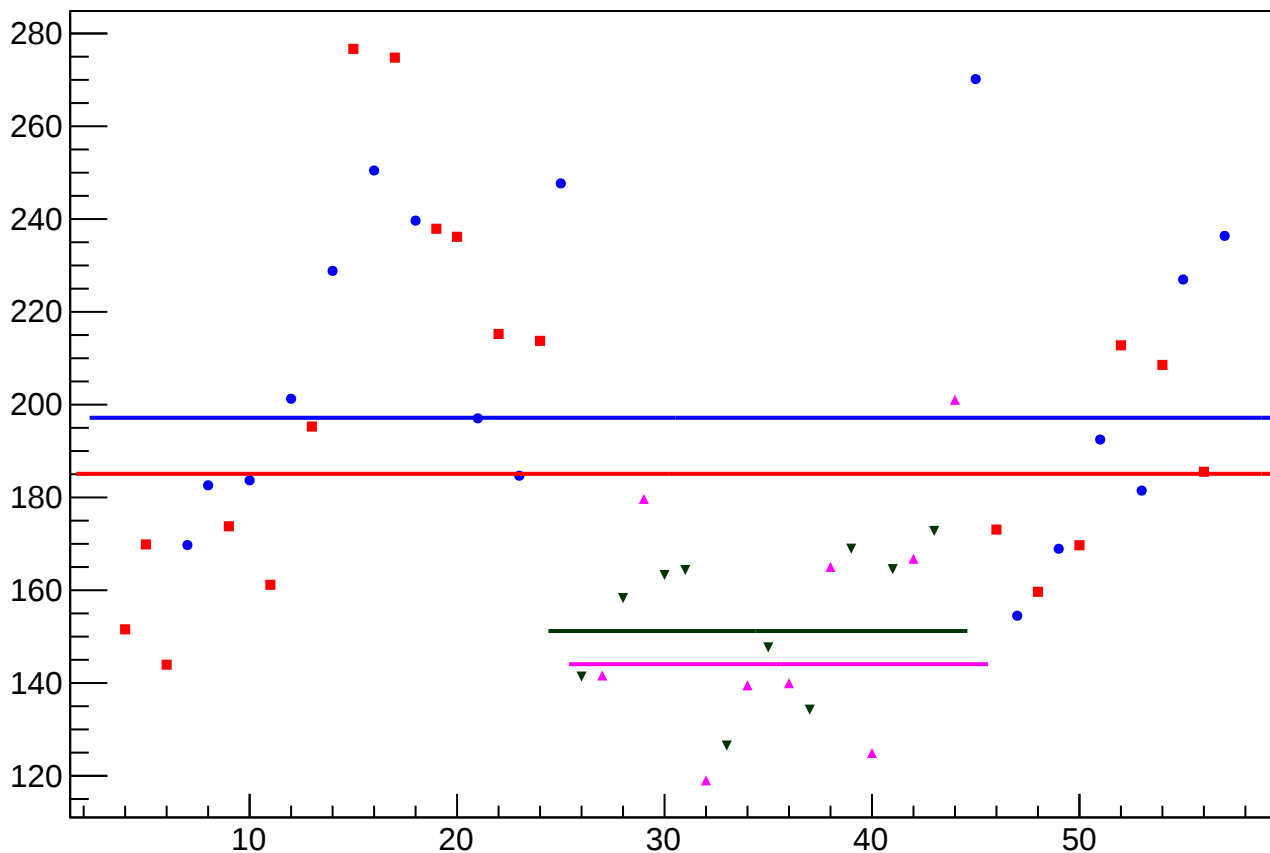
Right Out: 1111.944+/-61.751 χ^2/NDF : 3695.8/17

Left In: -542.908+/-61.747 χ^2/NDF : 28.6/8

481.859+/-45.286 χ^2/NDF : 1122.7/26

284.461+/-43.663 χ^2/NDF : 4083.6/26

asym_bpm0l01WS_rms vs slug



Right In: 197.173+/-0.044 χ^2/NDF : 460881.7/16

Left Out: 151.207+/-0.047 χ^2/NDF :110209.2/9

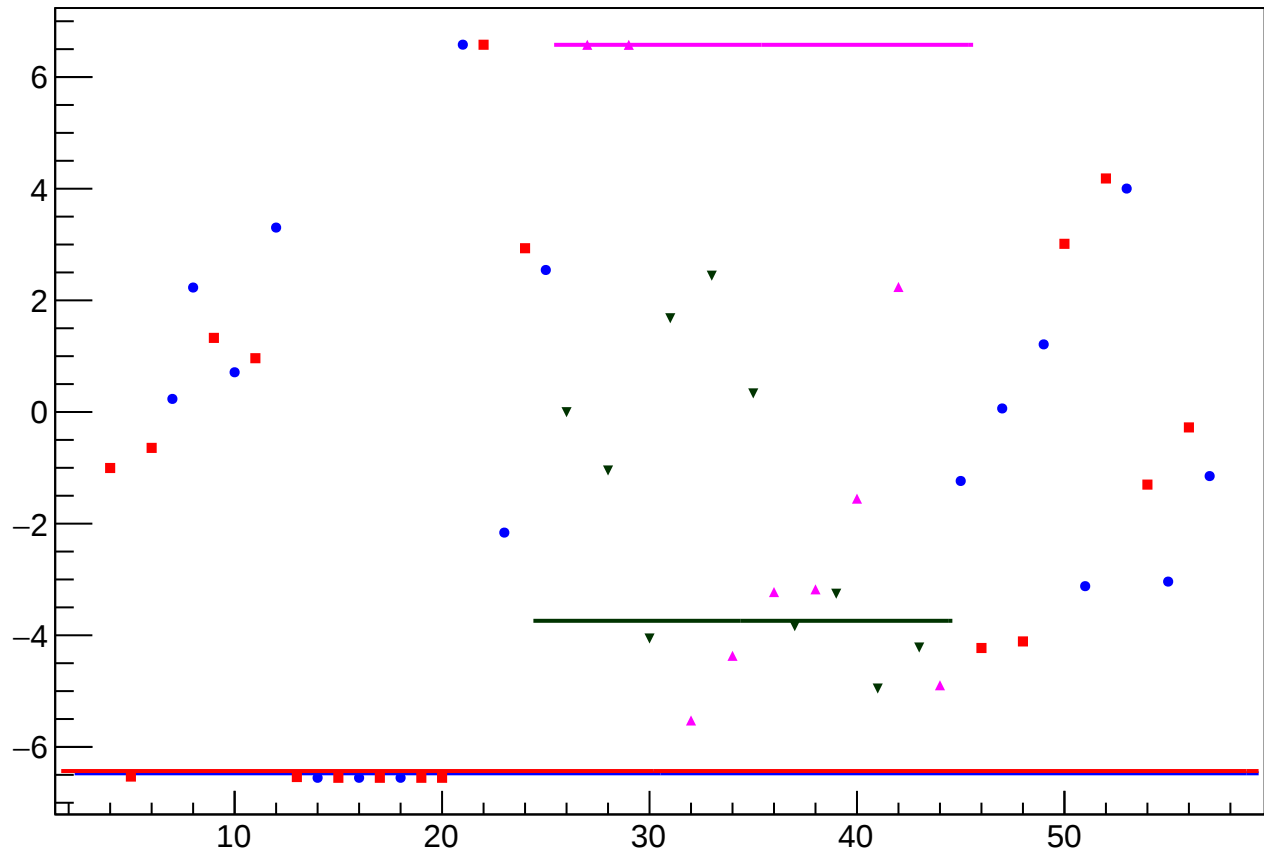
Right Out: 185.094+/-0.044 χ^2/NDF : 580465.0/17

Left In: 144.061+/-0.044 χ^2/NDF :287746.6/8

175.569+/-0.032 χ^2/NDF : 1084367.8/26

164.576+/-0.031 χ^2/NDF : 1309777.1/26

yield_cav4bX_mean vs slug



Right In: -6.473+/-0.000 χ^2/NDF : 127847947574129.4/16

Left Out: -3.741+/-0.001 χ^2/NDF : 5731885.1/9

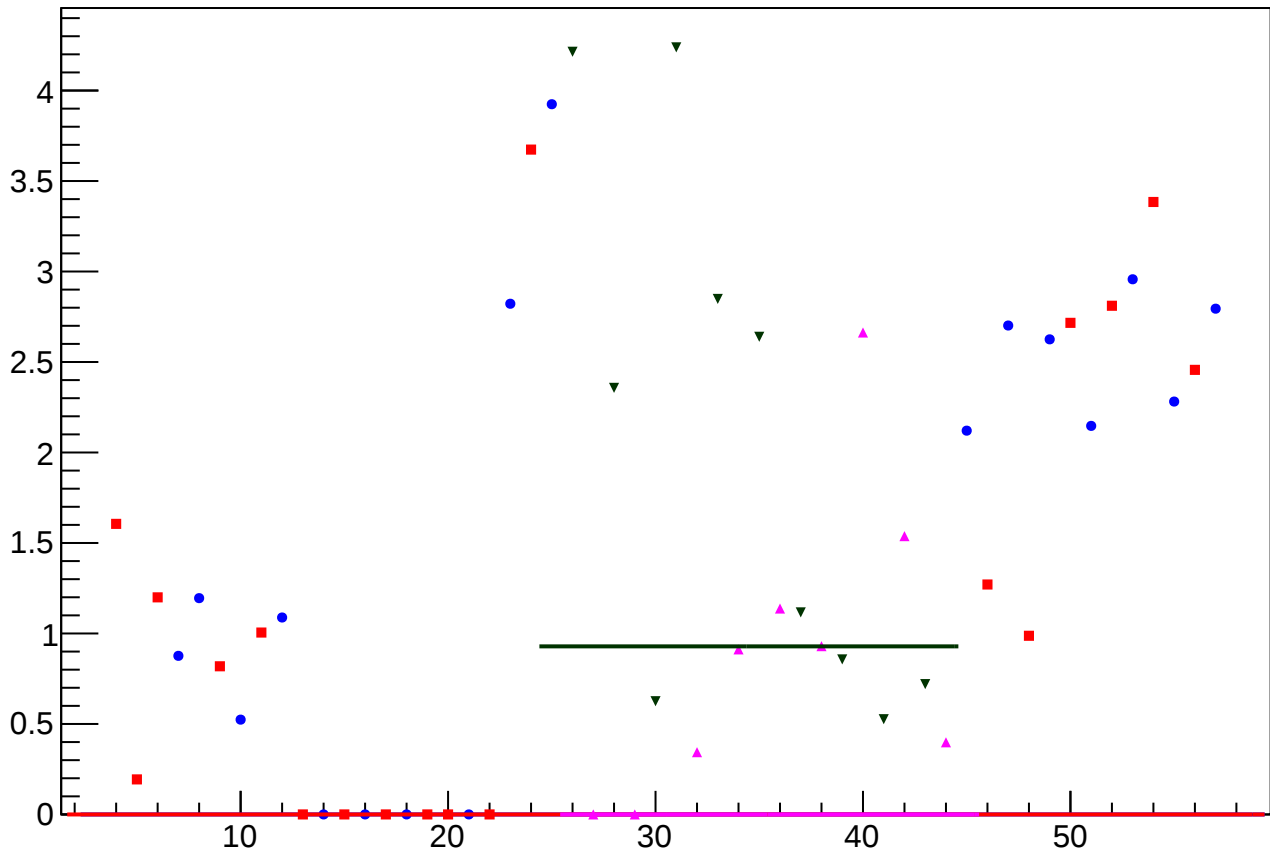
Right Out: -6.432+/-0.000 χ^2/NDF : 150837618776323.8/17

Left In: 6.578+/-0.000 χ^2/NDF : 822807717.8/8

-6.473+/-0.000 χ^2/NDF : 127847971957011.3/2

-6.315+/-0.000 χ^2/NDF : 297092127918264.4/2

yield_cav4bX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 10561243.5/16

Left Out: 0.929+/-0.000 χ^2/NDF :2482114.1/9

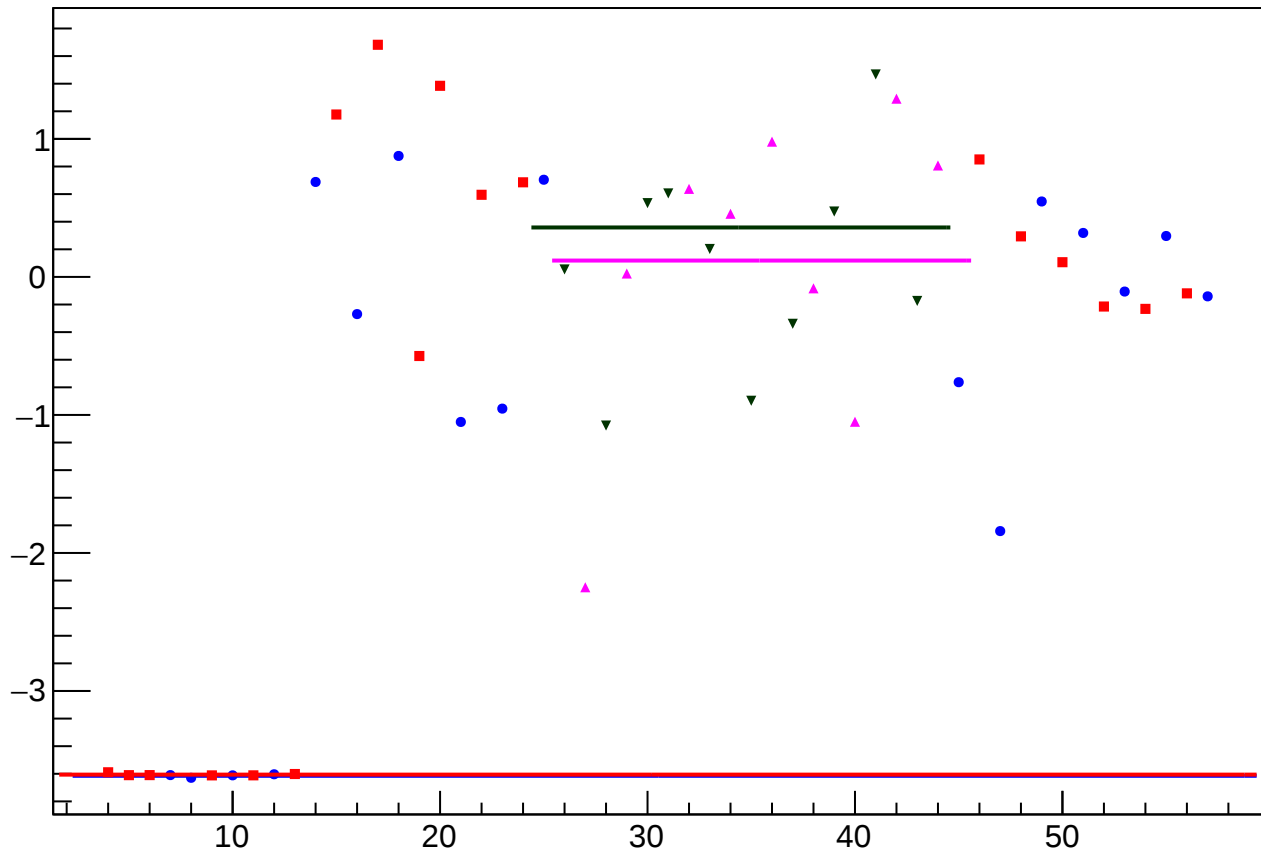
Right Out: 0.000+/-0.000 χ^2/NDF : 8710933.2/17

Left In: 0.000+/-0.000 χ^2/NDF :4631448.1/8

0.000+/-0.000 χ^2/NDF : 17352837.1/26

0.000+/-0.000 χ^2/NDF : 13342475.9/26

yield_cav4bY_mean vs slug



Right In: -3.614+/-0.000 χ^2 /NDF: 49083981893.5/16

-3.614+/-0.000 χ^2 /NDF: 49238223184.5/26

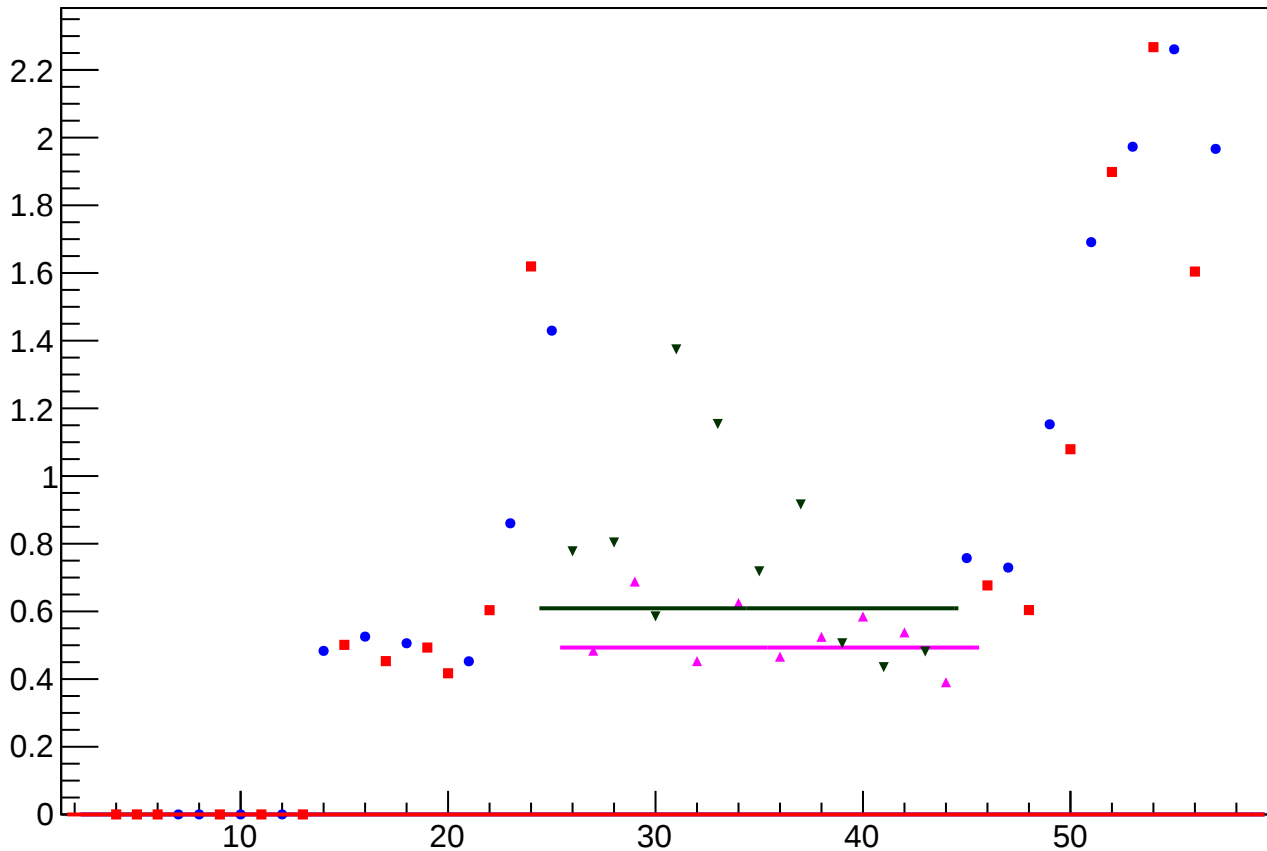
Left Out: 0.358+/-0.000 χ^2 /NDF: 6673360.6/9

Right Out: -3.606+/-0.000 χ^2 /NDF: 37791435962.6/17

-3.606+/-0.000 χ^2 /NDF: 38030957328.7/26

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 : 12296905.7/16

Left Out: 0.609+/-0.000 χ^2/NDF : 799340.0/9

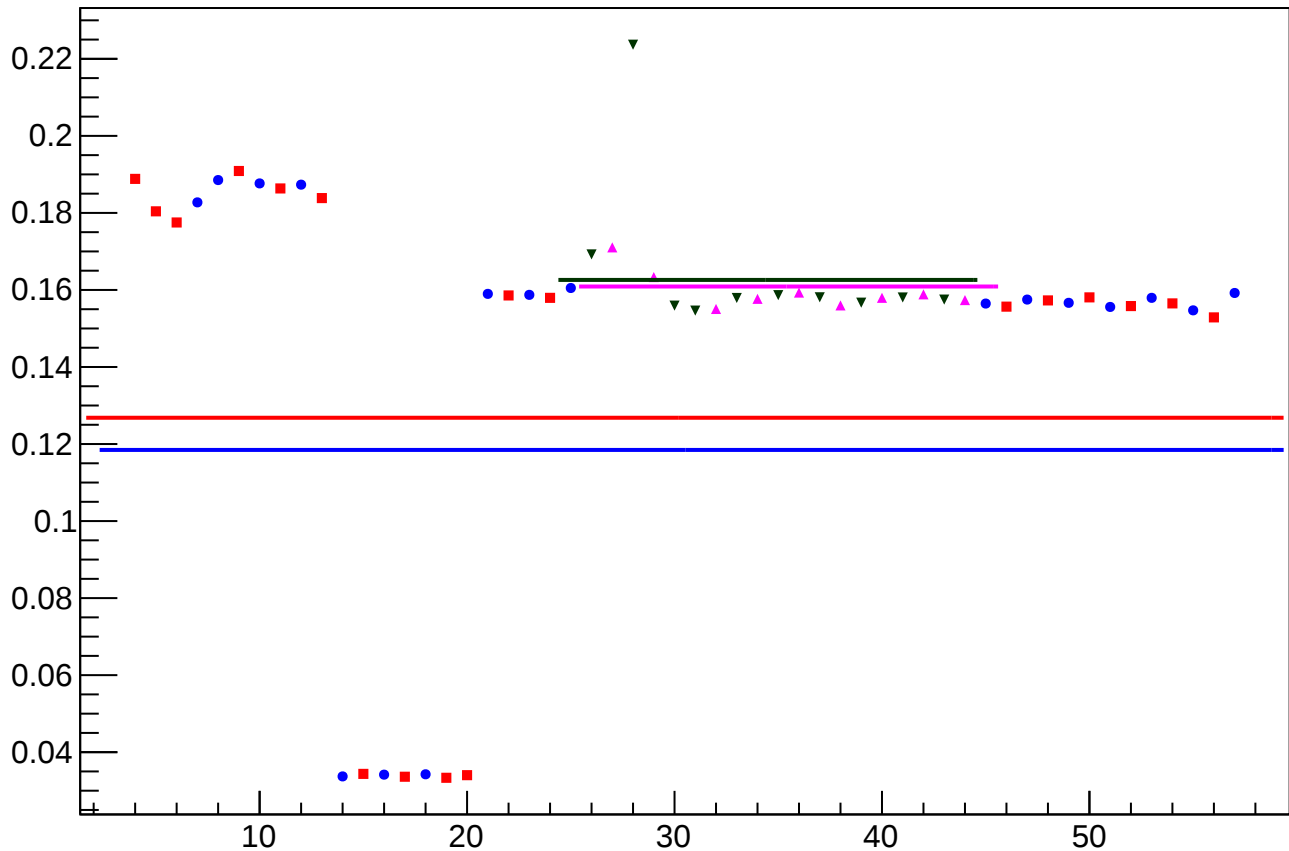
0.000+/-0.000 χ^2/NDF : 20034277.6/26

Right Out: 0.000+/-0.000 χ^2/NDF : 9495857.6/17

0.000+/-0.000 χ^2/NDF : 17400690.9/26

Left In: 0.493+/-0.000 χ^2/NDF : 214040.2/8

yield_cav4cX_mean vs slug



Right In: 0.118+/-0.000 χ^2/NDF : 4953101611.3/16

Left Out: 0.163+/-0.000 χ^2/NDF :101593637.2/9

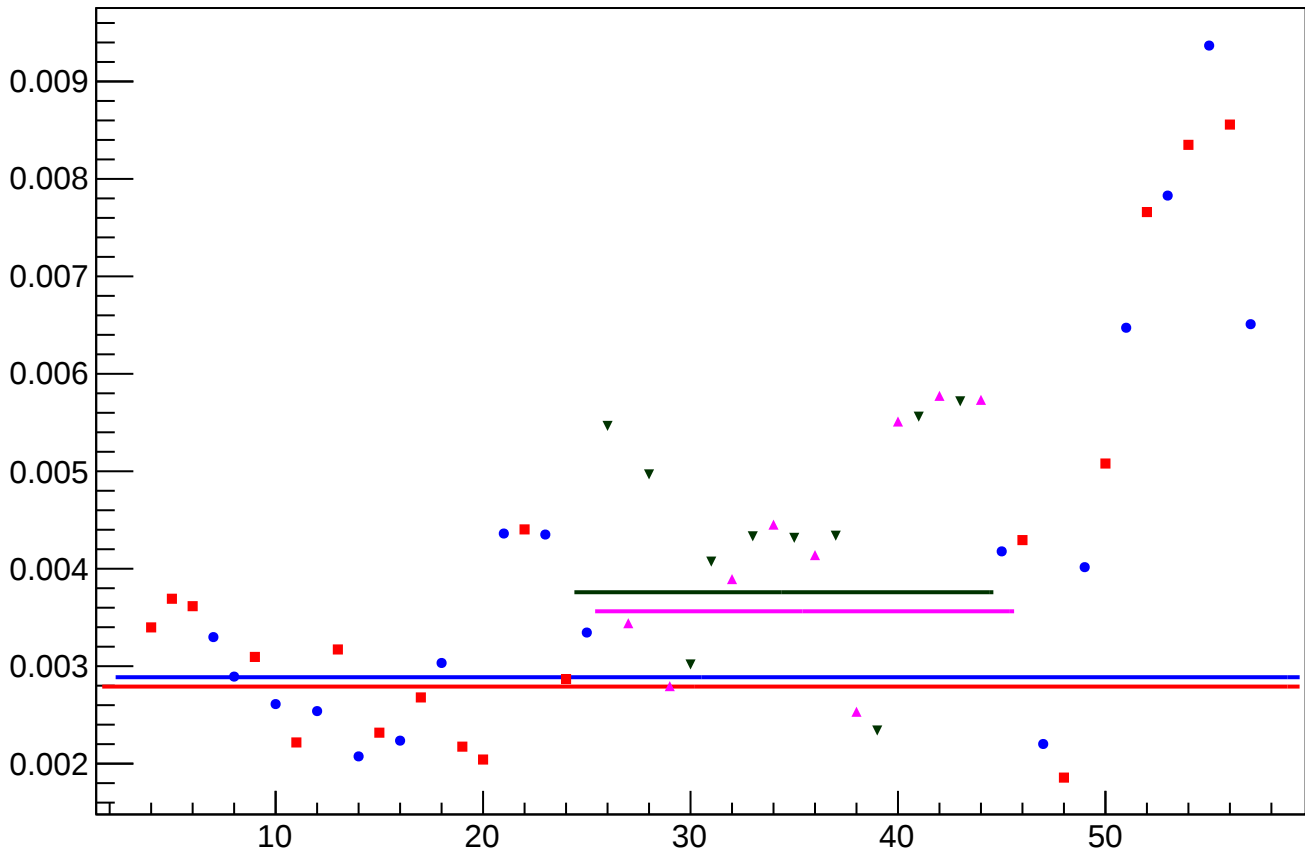
0.129+/-0.000 χ^2/NDF : 5535992156.4/26

Right Out: 0.127+/-0.000 χ^2/NDF : 4417680774.2/17

0.136+/-0.000 χ^2/NDF : 4752359466.3/26

Left In: 0.161+/-0.000 χ^2/NDF :11671584.7/8

yield_cav4cX_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 2504104.2/16

Left Out: 0.004+/-0.000 χ^2/NDF :884952.0/9

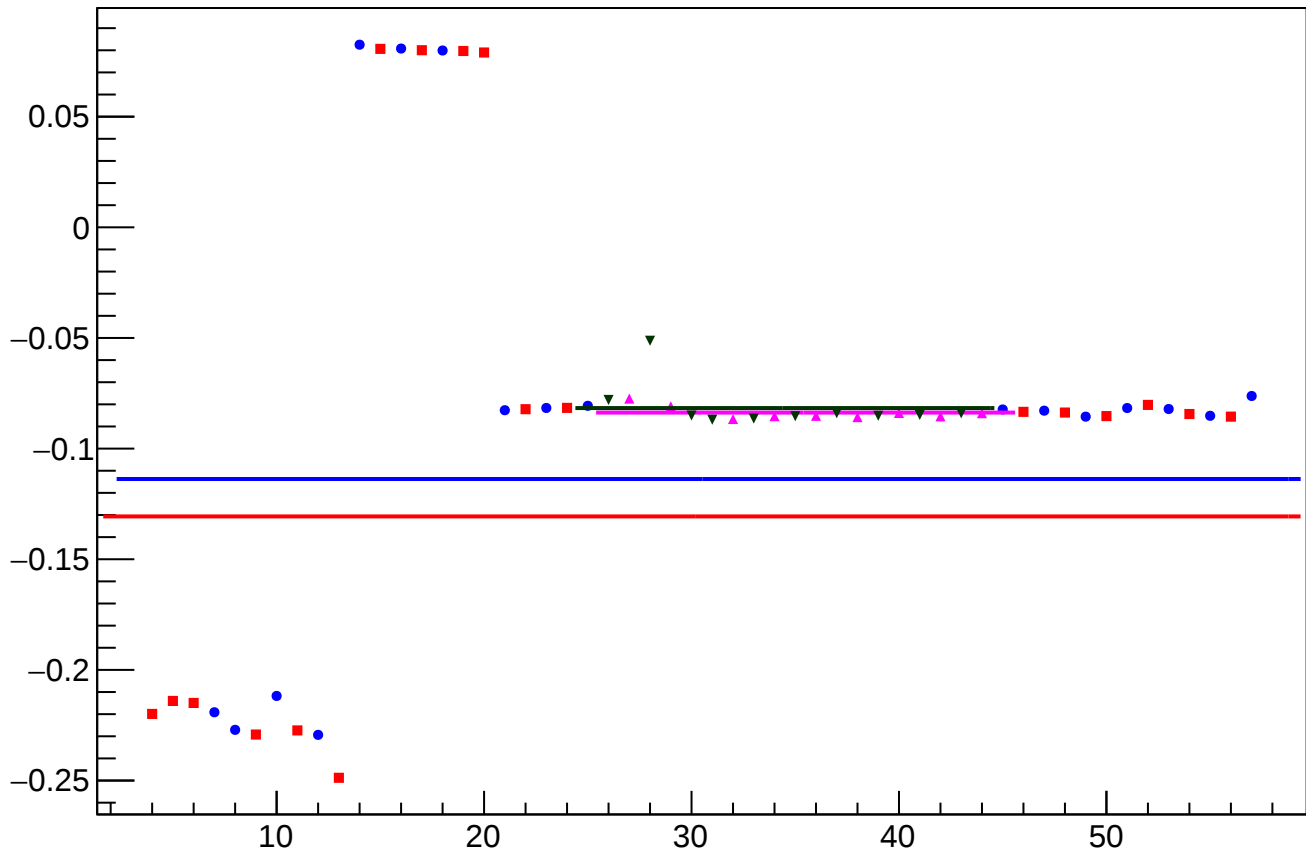
0.003+/-0.000 χ^2/NDF : 3764836.6/26

Right Out: 0.003+/-0.000 χ^2/NDF : 2384215.5/17

0.003+/-0.000 χ^2/NDF : 3468336.7/26

Left In: 0.004+/-0.000 χ^2/NDF :752035.9/8

yield_cav4cY_mean vs slug



Right In: -0.114+/-0.000 χ^2 /NDF: 9684424677.7/16

Left Out: -0.082+/-0.000 χ^2 /NDF: 35856752.9/9

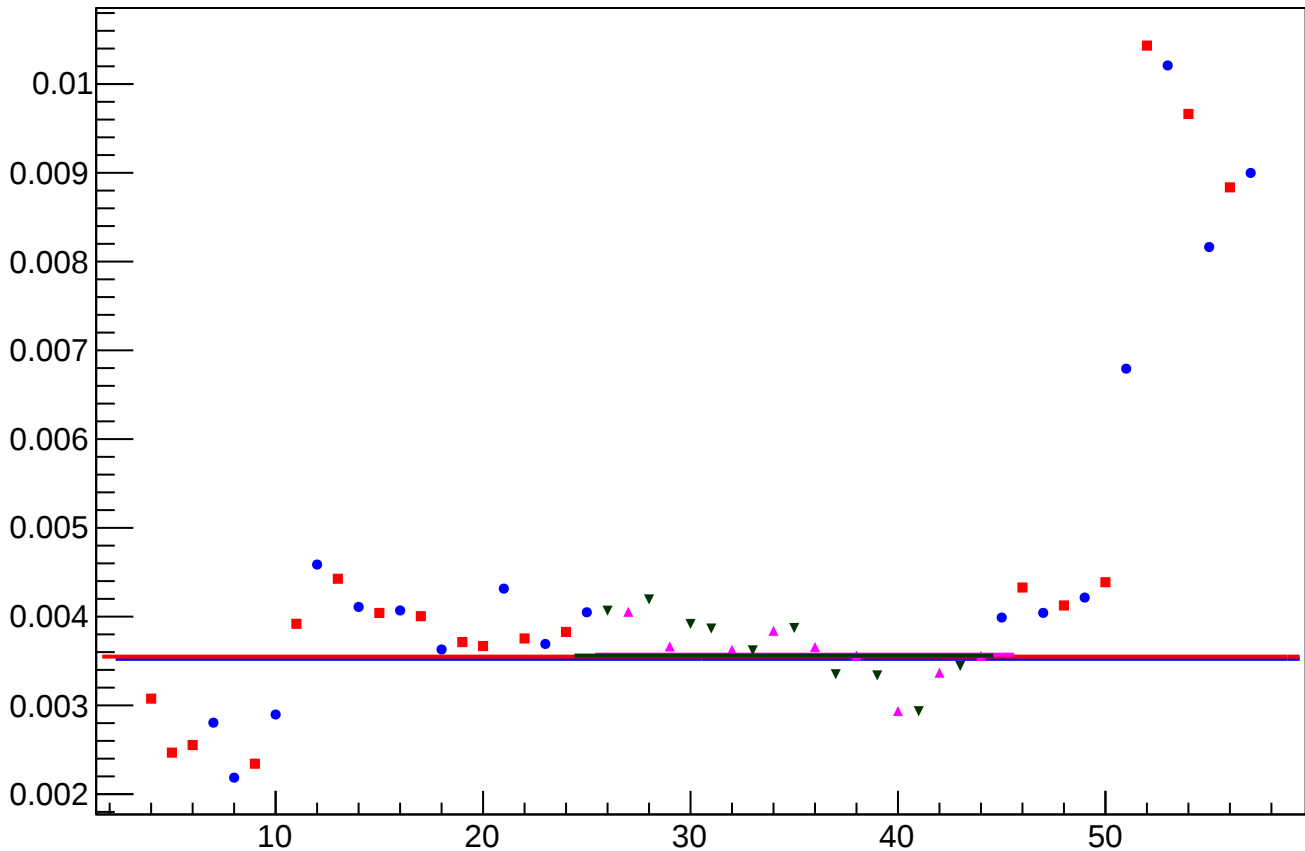
-0.102+/-0.000 χ^2 /NDF: 9981469103.7/26

Right Out: -0.131+/-0.000 χ^2 /NDF: 8857367032.4/17

-0.112+/-0.000 χ^2 /NDF: 9420075967.8/26

Left In: -0.084+/-0.000 χ^2 /NDF: 3521413.4/8

yield_cav4cY_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 2243494.7/16

Left Out: 0.004+/-0.000 χ^2/NDF :124023.6/9

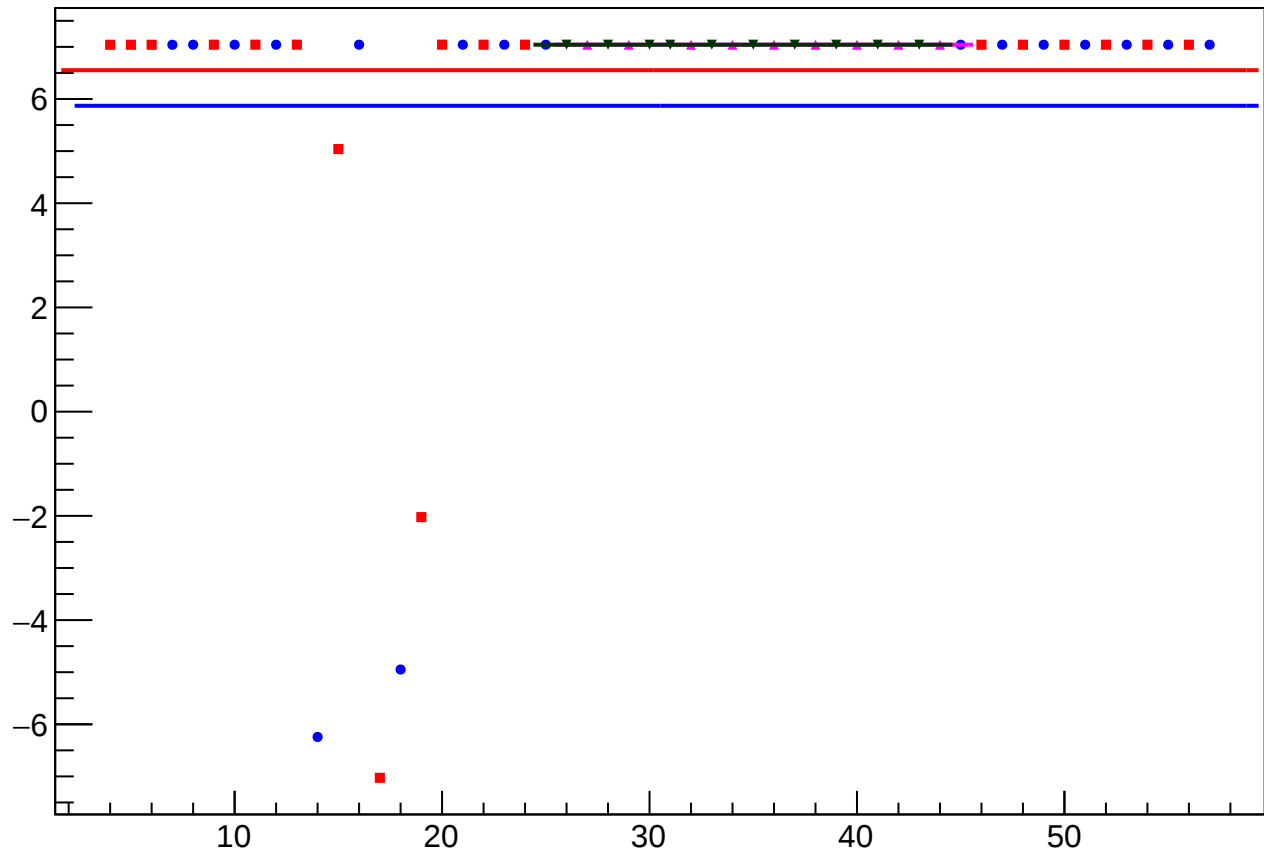
0.004+/-0.000 χ^2/NDF : 2368212.3/26

Right Out: 0.004+/-0.000 χ^2/NDF : 1896495.5/17

0.004+/-0.000 χ^2/NDF : 1975943.9/26

Left In: 0.004+/-0.000 χ^2/NDF :79207.1/8

yield_cav4dX_mean vs slug



Right In: 5.870+/-0.000 χ^2/NDF : 4580394303518726.0/16

Left Out: 7.042+/-0.000 χ^2/NDF : 765209.6/9

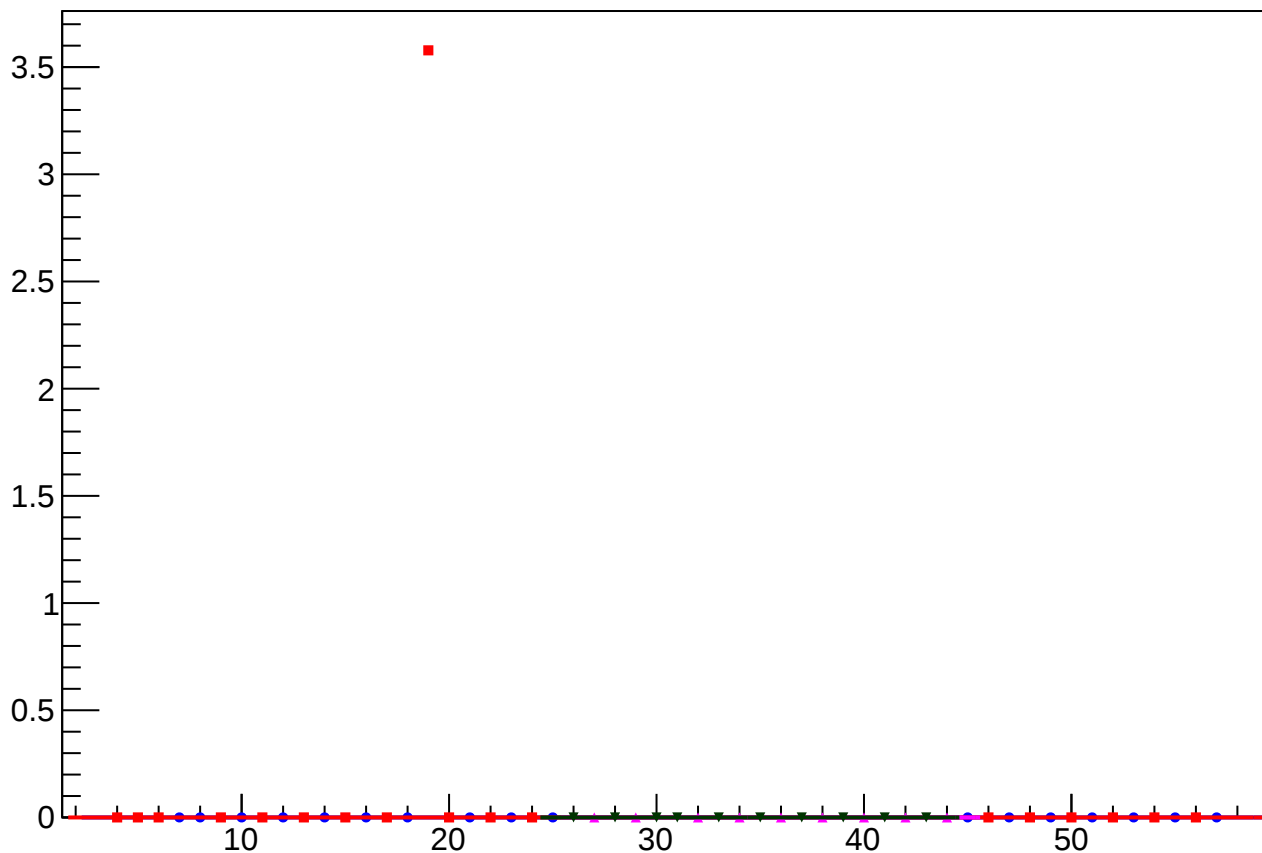
Right Out: 6.553+/-0.000 χ^2/NDF : 1852732849099670.8/17

Left In: 7.042+/-0.000 χ^2/NDF : 540646.4/8

6.316+/-0.000 χ^2/NDF : 4752534641090674.0/2

6.763+/-0.000 χ^2/NDF : 1882371508862793.8/2

yield_cav4dX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 4020.0/16

Left Out: 0.000+/-0.000 χ^2/NDF :1535.6/9

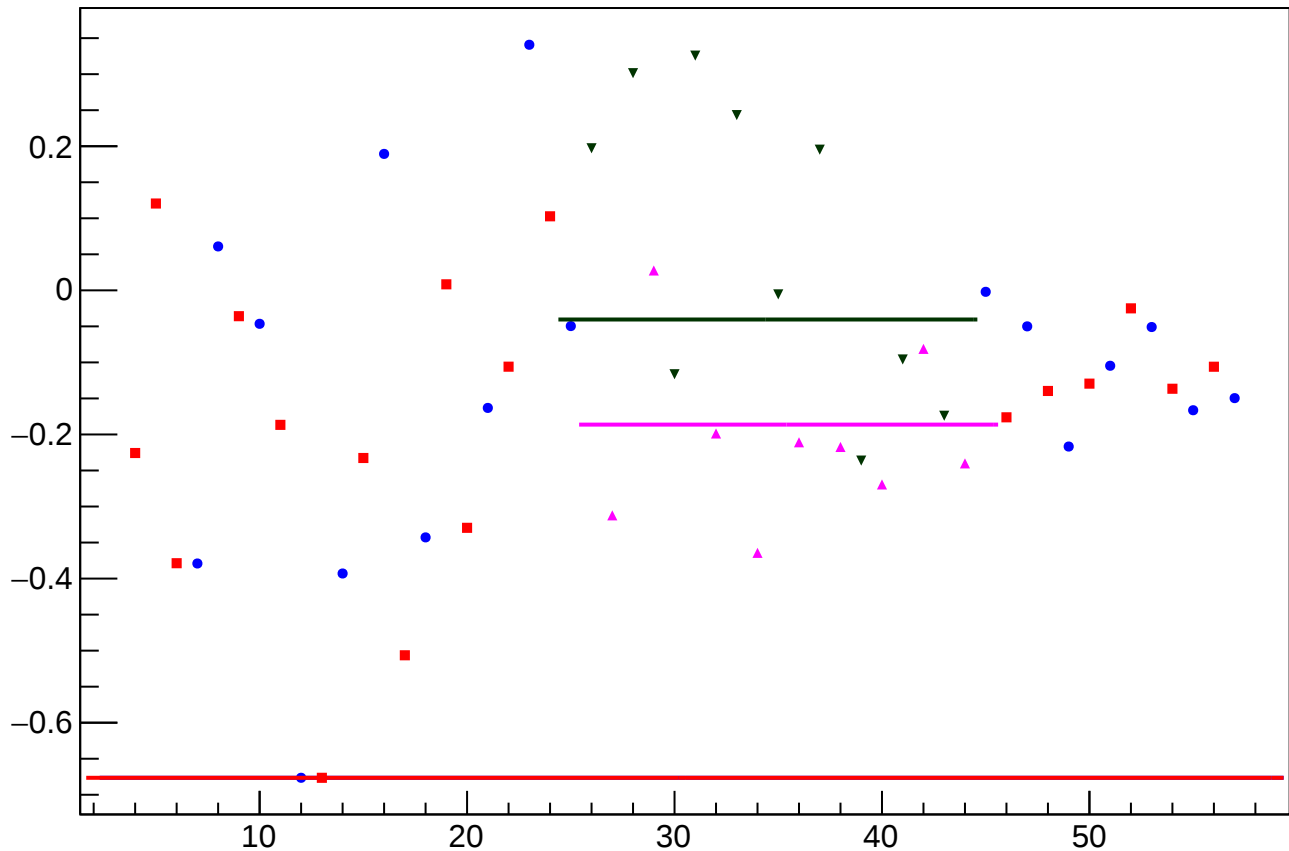
Right Out: 0.000+/-0.000 χ^2/NDF : 697638.4/17

Left In: 0.000+/-0.000 χ^2/NDF :1769.6/8

0.000+/-0.000 χ^2/NDF : 7097.3/26

0.000+/-0.000 χ^2/NDF : 702841.7/26

yield_cav4dY_mean vs slug



Right In: -0.676 ± 0.000 χ^2/NDF : 263713679.1/16

Left Out: -0.040 ± 0.000 χ^2/NDF : 16704113.3/9

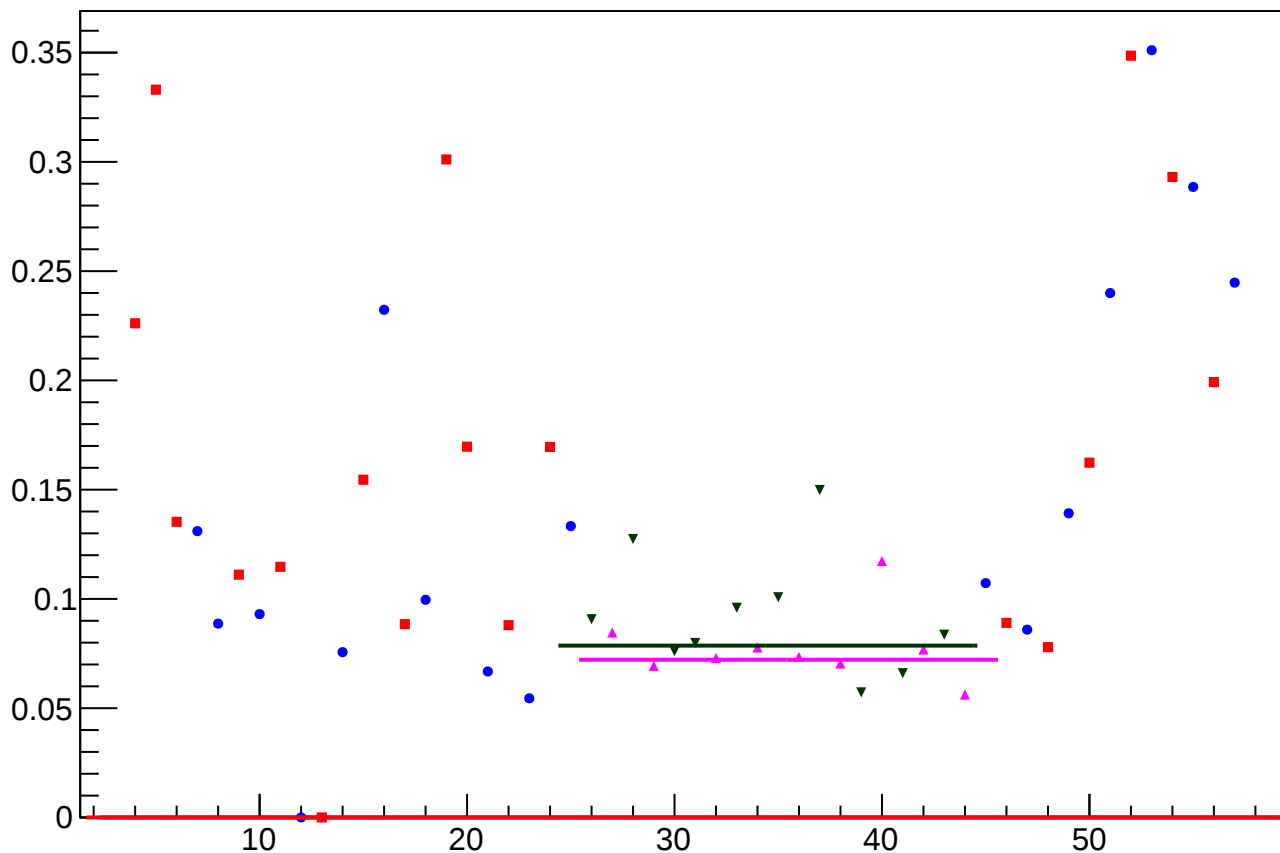
Right Out: -0.676 ± 0.000 χ^2/NDF : 100235405.6/17

Left In: -0.186 ± 0.000 χ^2/NDF : 8365095.9/8

-0.676 ± 0.000 χ^2/NDF : 468453145.1/26

-0.676 ± 0.000 χ^2/NDF : 266082864.8/26

yield_cav4dY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 14766976.2/16

Left Out: 0.079+/-0.000 χ^2/NDF : 452862.6/9

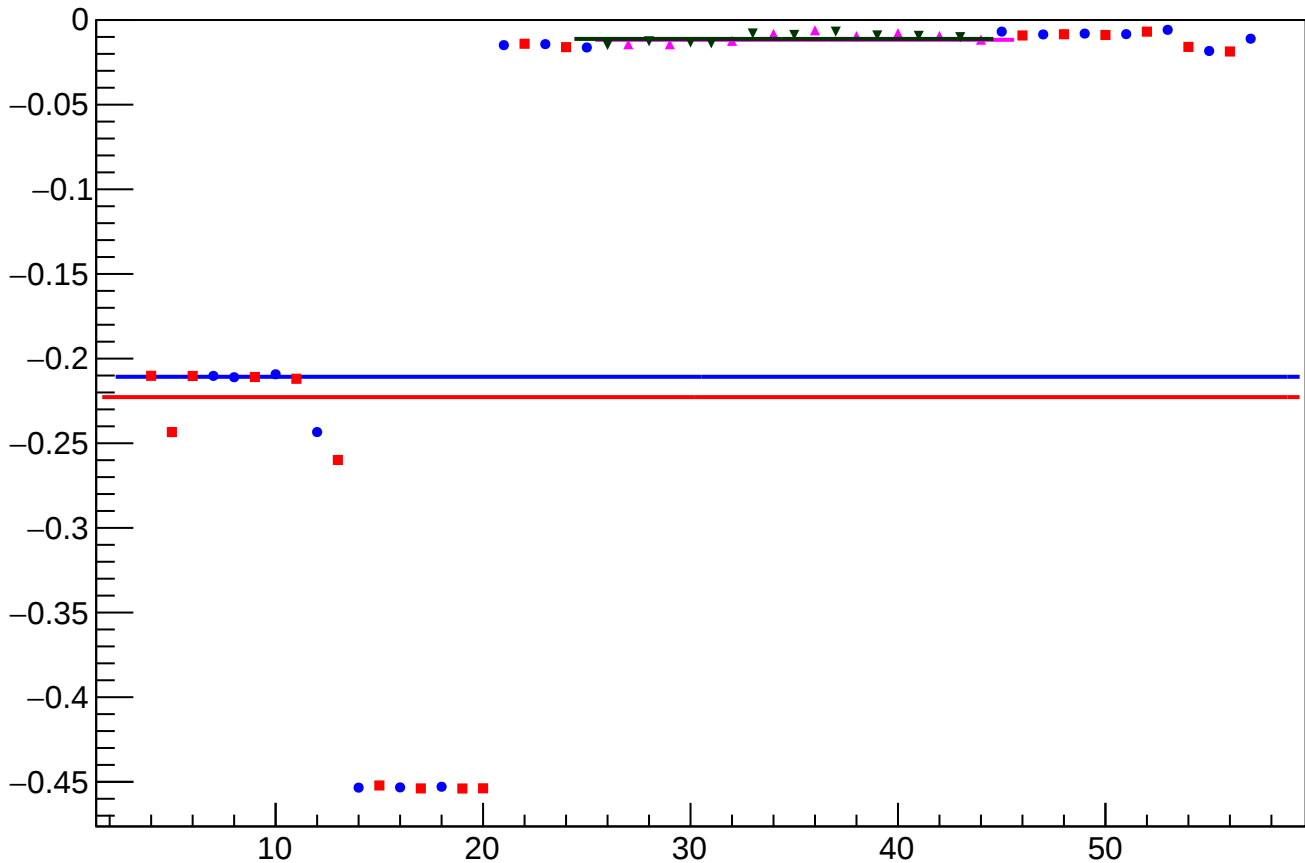
Right Out: 0.000+/-0.000 χ^2/NDF : 12751033.2/17

Left In: 0.072+/-0.000 χ^2/NDF : 192884.5/8

0.000+/-0.000 χ^2/NDF : 20966584.3/26

0.000+/-0.000 χ^2/NDF : 19769103.1/26

yield_bpm4aX_mean vs slug



Right In: -0.211+/-0.000 χ^2/NDF : 5401610002.5/16

Left Out: -0.011+/-0.000 χ^2/NDF : 401443.1/9

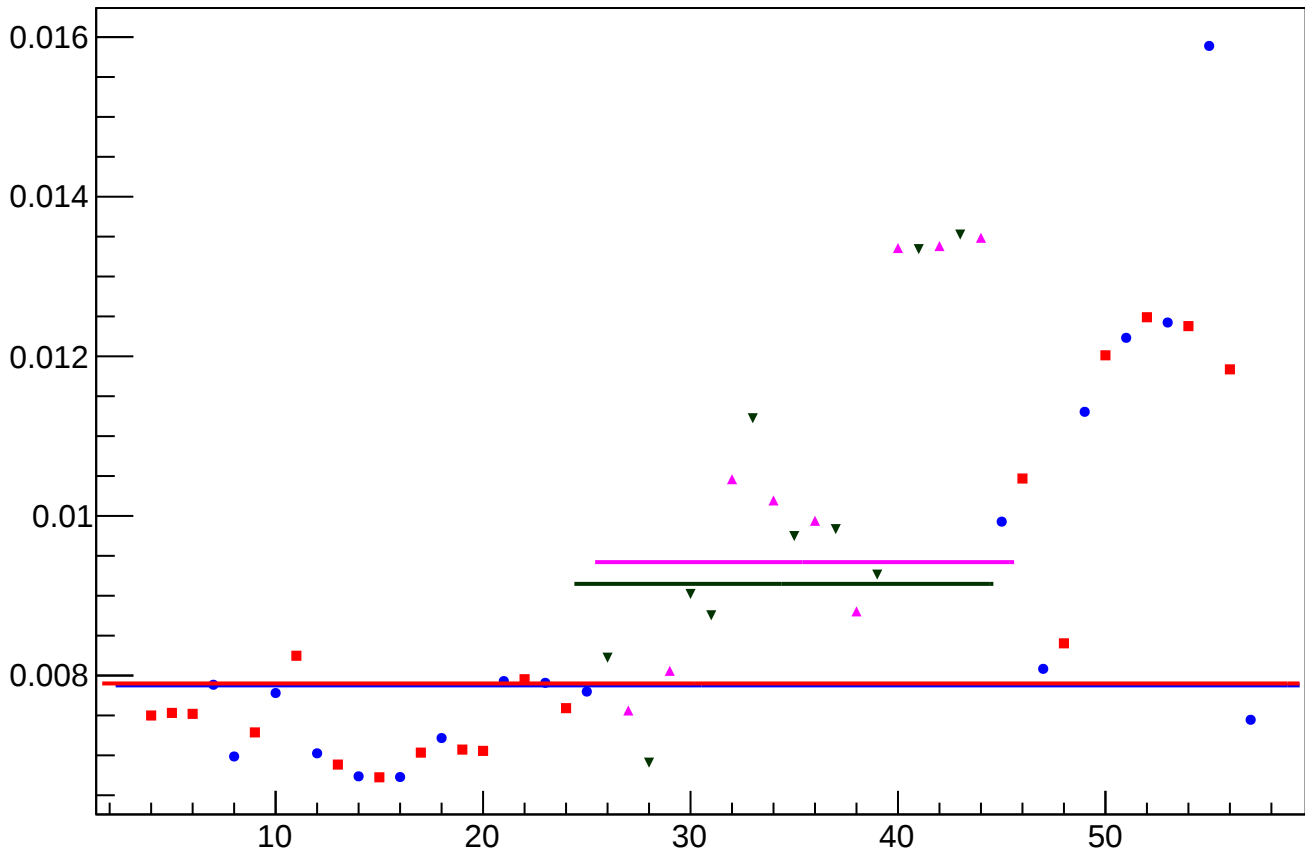
-0.156+/-0.000 χ^2/NDF : 7140832880.7/26

Right Out: -0.223+/-0.000 χ^2/NDF : 3930800049.8/17

-0.161+/-0.000 χ^2/NDF : 5814666281.1/26

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 : 880279.8/16

Left Out: 0.009+/-0.000 χ^2/NDF : 410320.9/9

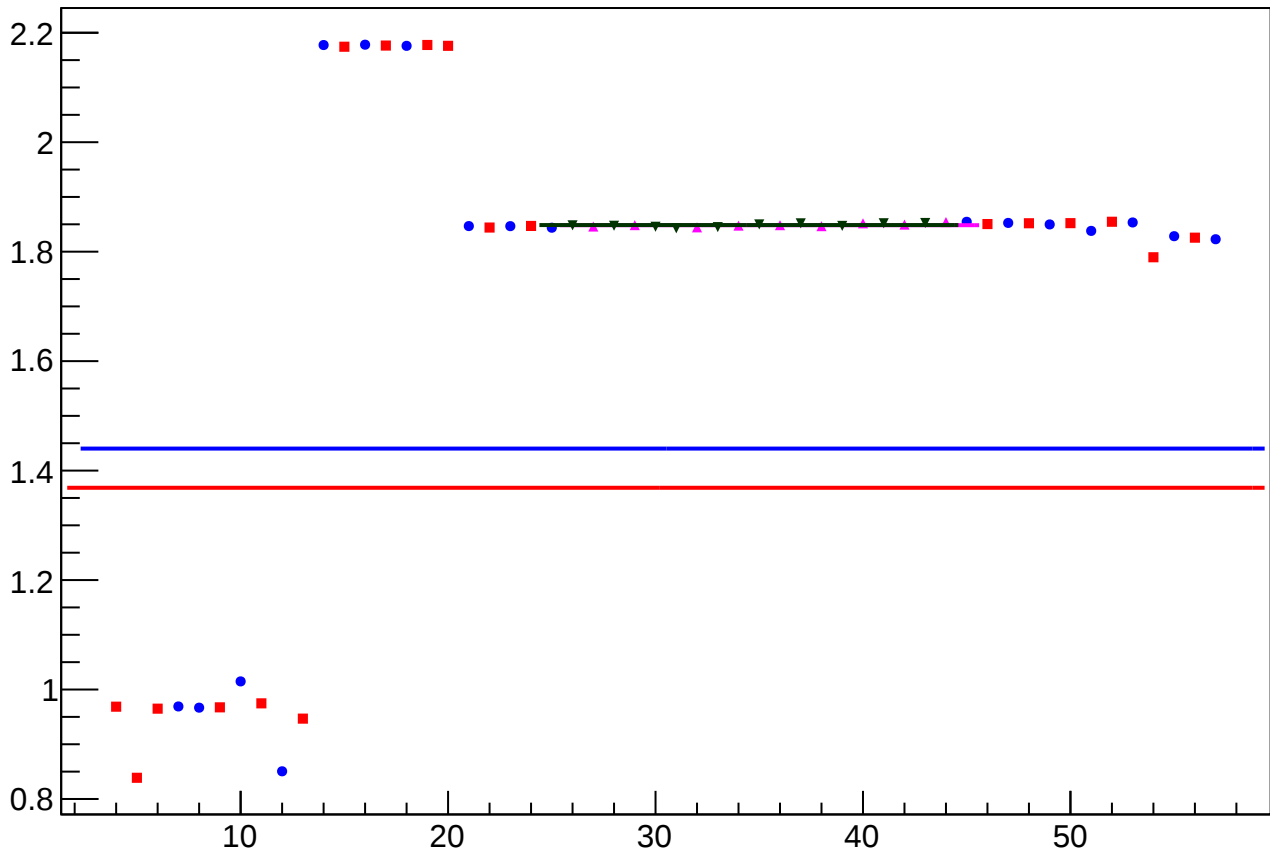
Right Out: 0.008+/-0.000 χ^2/NDF : 690570.6/17

Left In: 0.009+/-0.000 χ^2/NDF : 449025.1/8

0.008+/-0.000 χ^2/NDF : 1431881.2/26

0.008+/-0.000 χ^2/NDF : 1335056.4/26

yield_bpm4aY_mean vs slug



Right In: 1.440+/-0.000 χ^2/NDF : 14210910979.3/16

Left Out: 1.849+/-0.000 χ^2/NDF : 239961.3/9

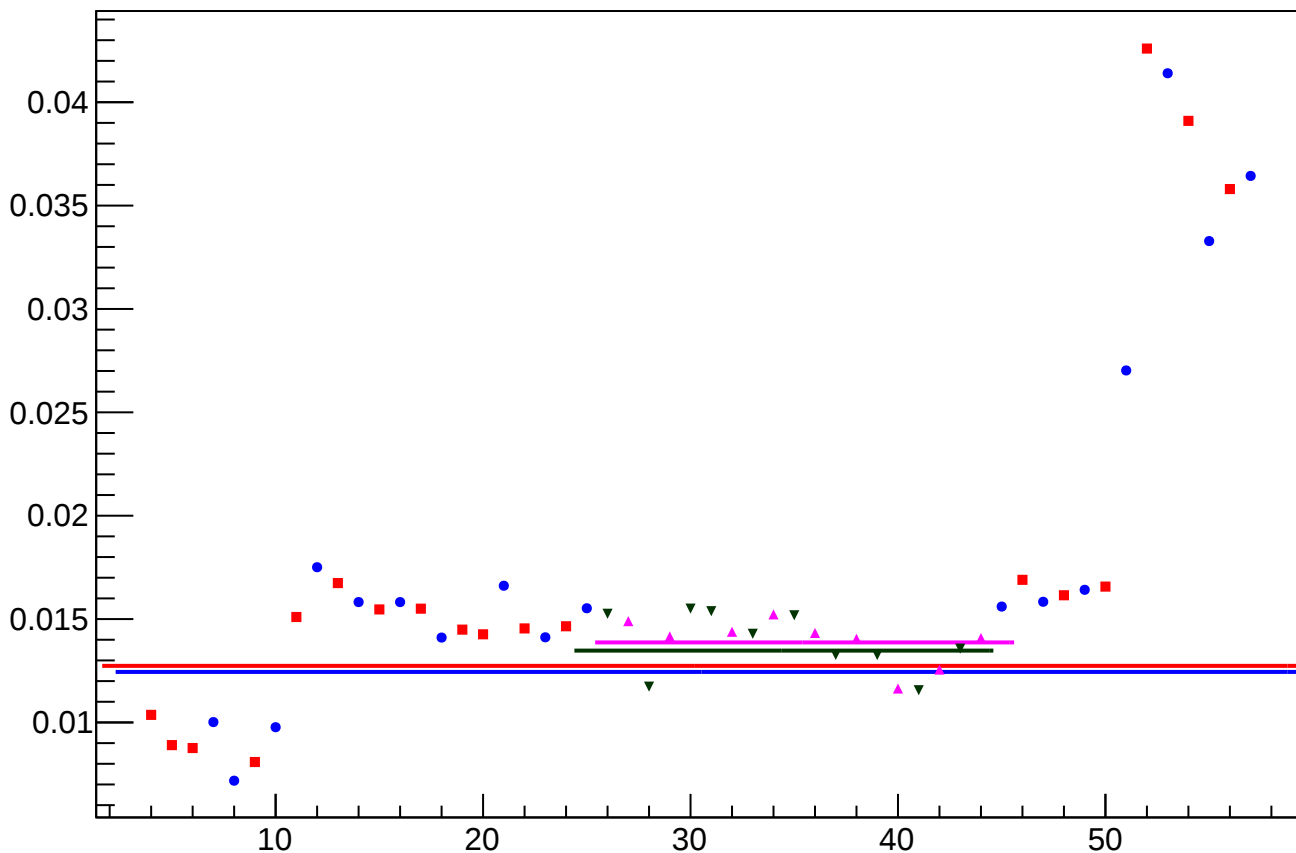
1.579+/-0.000 χ^2/NDF : 17260434578.0/26

Right Out: 1.369+/-0.000 χ^2/NDF : 12589606607.8/17

1.547+/-0.000 χ^2/NDF : 16691739948.1/26

Left In: 1.848+/-0.000 χ^2/NDF : 226687.9/8

yield_bpm4aY_rms vs slug



Right In: 0.012+/-0.000 χ^2/NDF : 3107877.0/16

Left Out: 0.013+/-0.000 χ^2/NDF :115364.2/9

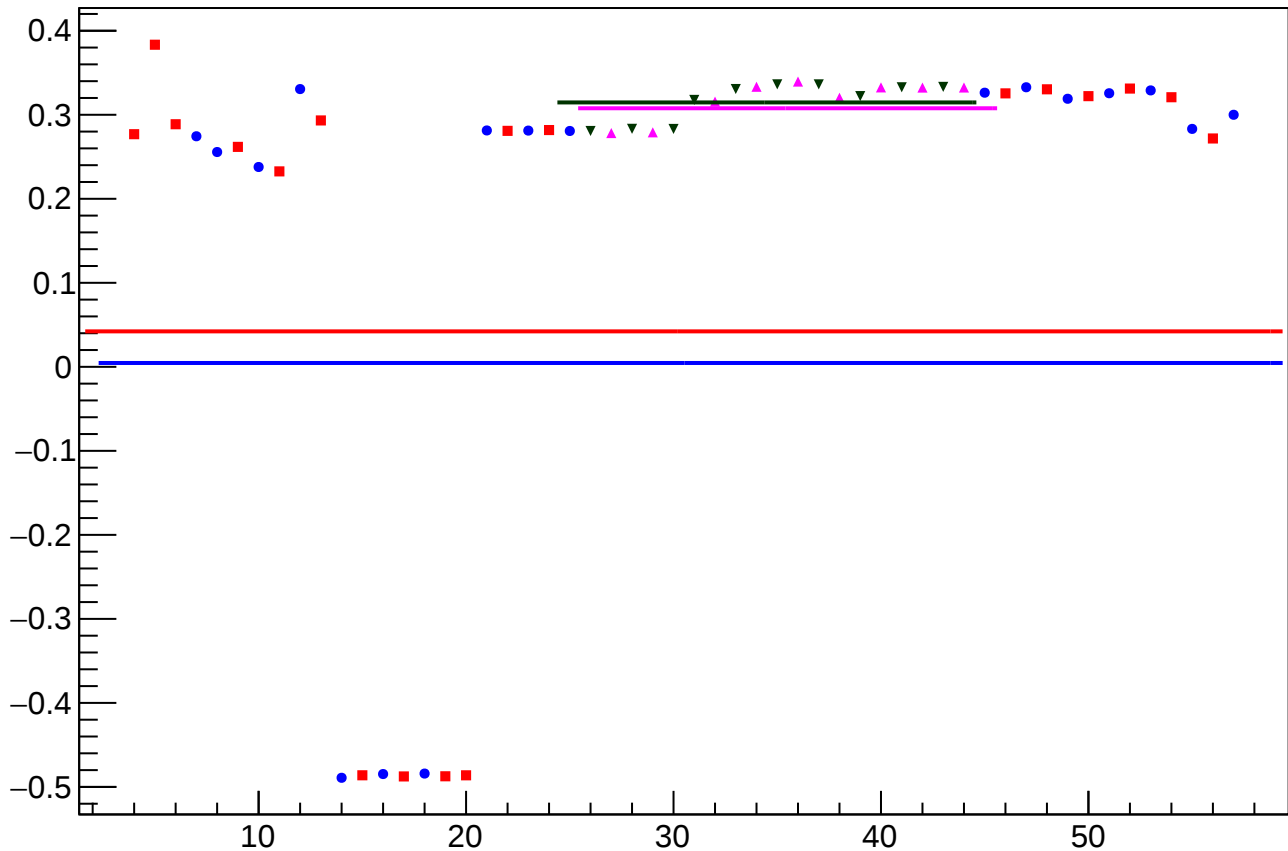
Right Out: 0.013+/-0.000 χ^2/NDF : 2447336.7/17

Left In: 0.014+/-0.000 χ^2/NDF :66613.9/8

0.013+/-0.000 χ^2/NDF : 3262110.6/26

0.013+/-0.000 χ^2/NDF : 2559744.0/26

yield_bpm4eX_mean vs slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 3568377256.9/16

Left Out: 0.315 $\pm$ 0.000 χ^2 /NDF:5189197.9/9

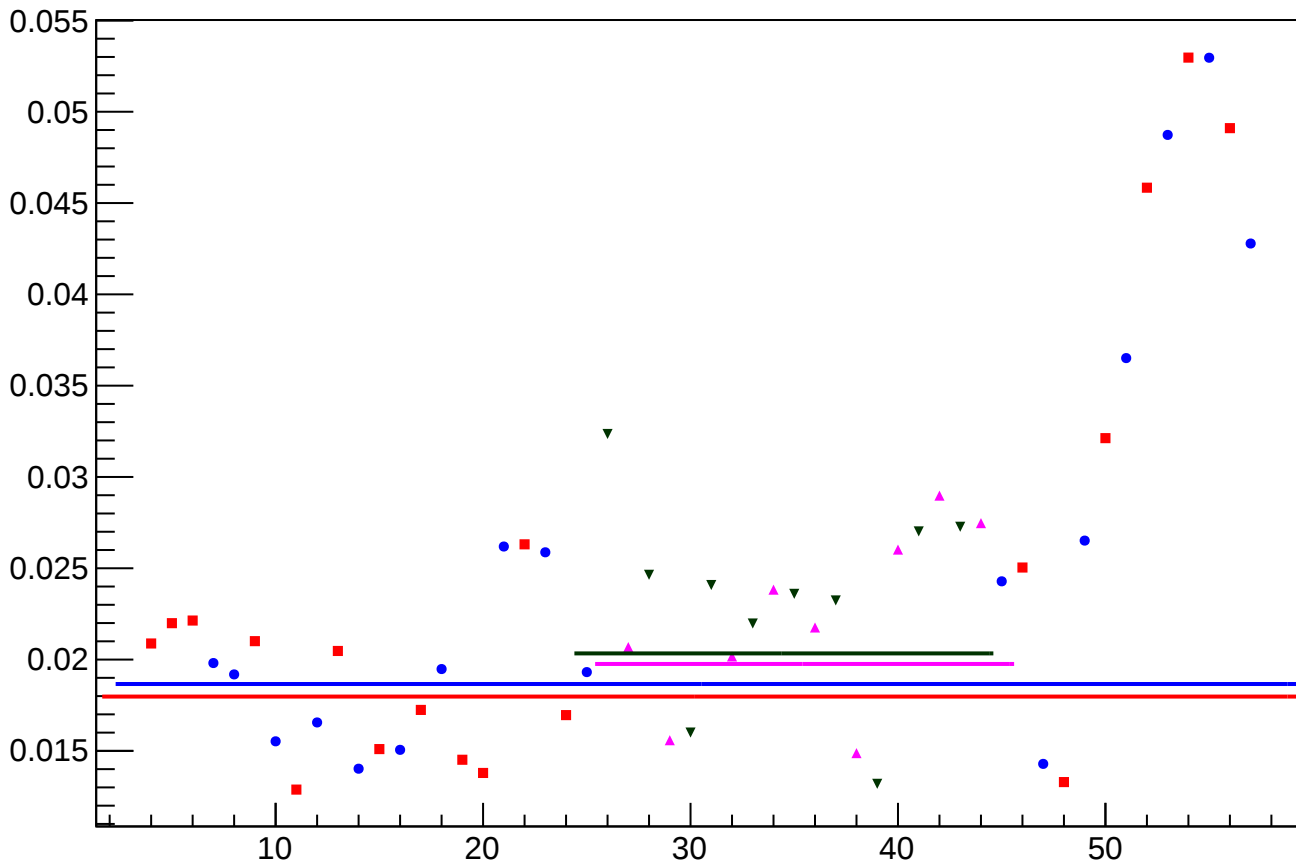
0.100 $\pm$ 0.000 χ^2 /NDF: 4325030323.8/26

Right Out: 0.042 $\pm$ 0.000 χ^2 /NDF: 3146549662.9/17

0.133 $\pm$ 0.000 χ^2 /NDF: 3747962212.7/26

Left In: 0.308 $\pm$ 0.000 χ^2 /NDF:7383992.6/8

yield_bpm4eX_rms vs slug



Right In: 0.019+/-0.000 χ^2/NDF : 2169709.9/16

Left Out: 0.020+/-0.000 χ^2/NDF :733336.7/9

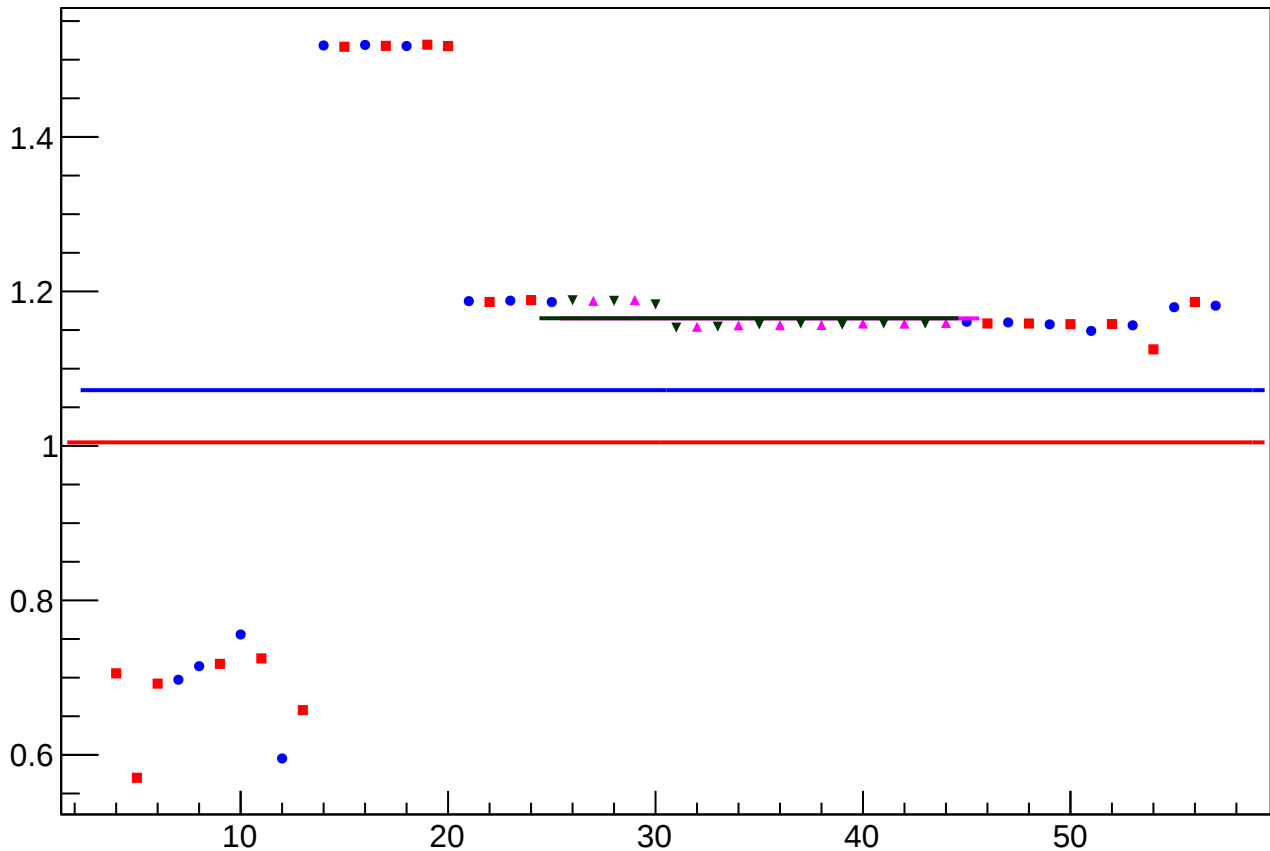
Right Out: 0.018+/-0.000 χ^2/NDF : 2162269.5/17

Left In: 0.020+/-0.000 χ^2/NDF :482021.9/8

0.019+/-0.000 χ^2/NDF : 2946940.1/26

0.019+/-0.000 χ^2/NDF : 2698014.7/26

yield_bpm4eY_mean vs slug



Right In: 1.072+/-0.000 χ^2/NDF : 10474822547.2/16

Left Out: 1.165+/-0.000 χ^2/NDF :12143638.8/9

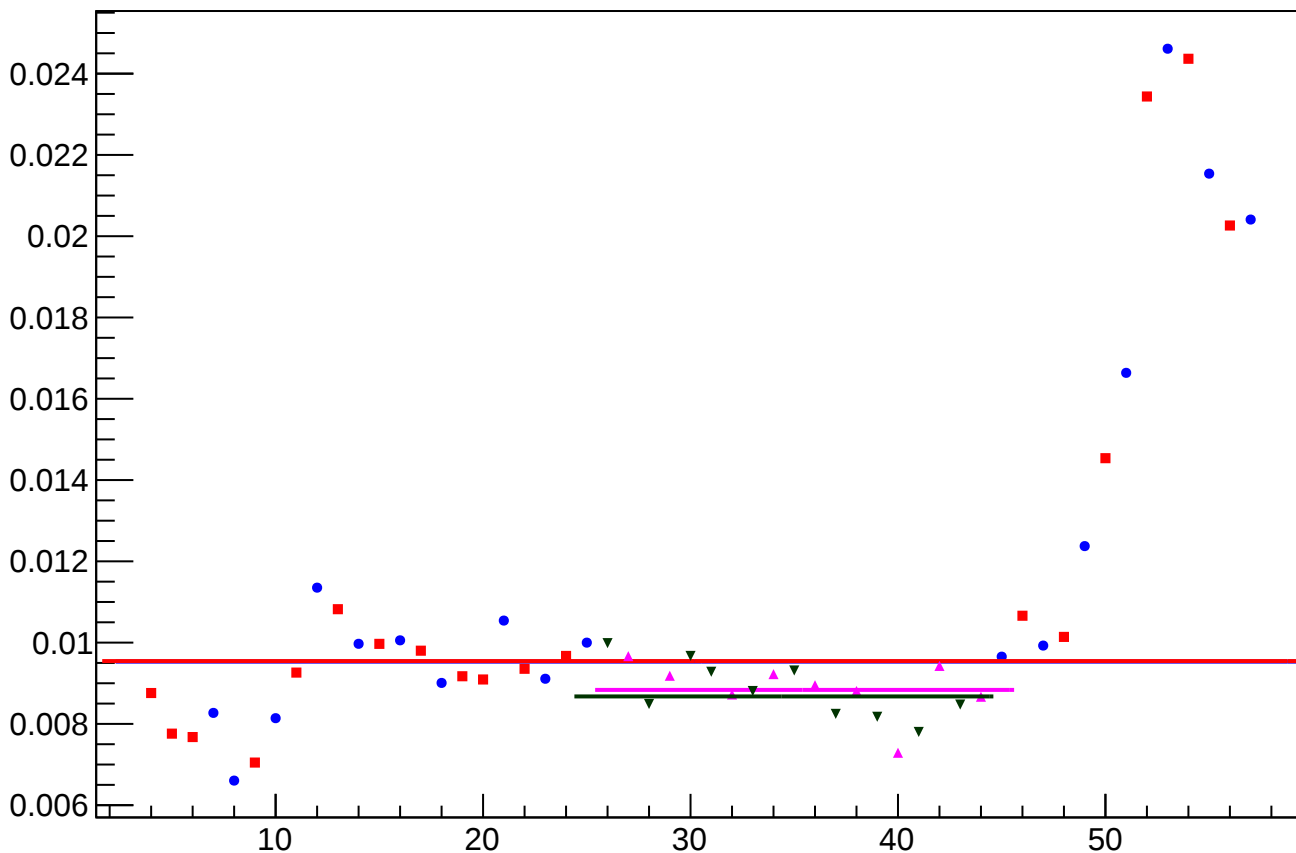
1.110+/-0.000 χ^2/NDF : 10836450734.6/26

Right Out: 1.005+/-0.000 χ^2/NDF : 10275468392.2/17

1.074+/-0.000 χ^2/NDF : 11298903385.1/26

Left In: 1.165+/-0.000 χ^2/NDF :13354823.7/8

yield_bpm4eY_rms vs slug



Right In: 0.010+/-0.000 χ^2/NDF : 1585087.3/16

Left Out: 0.009+/-0.000 χ^2/NDF : 57413.1/9

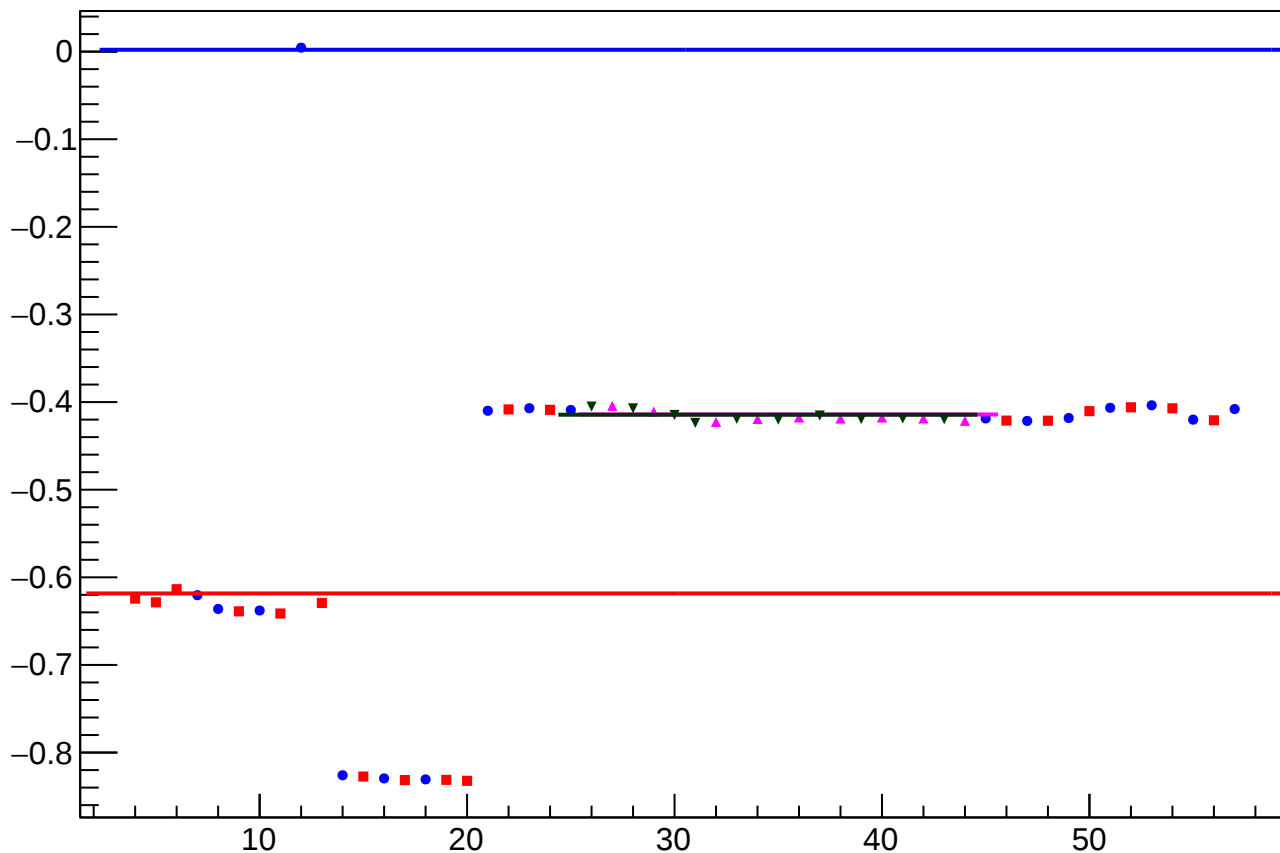
0.009+/-0.000 χ^2/NDF : 1701723.0/26

Right Out: 0.010+/-0.000 χ^2/NDF : 1343056.9/17

0.009+/-0.000 χ^2/NDF : 1446250.5/26

Left In: 0.009+/-0.000 χ^2/NDF : 63755.7/8

yield_bpm4acX_mean vs slug



Right In: 0.002+/-0.000 χ^2/NDF : 58433957864.4/16

Left Out: -0.414+/-0.000 χ^2/NDF : 2260145.2/9

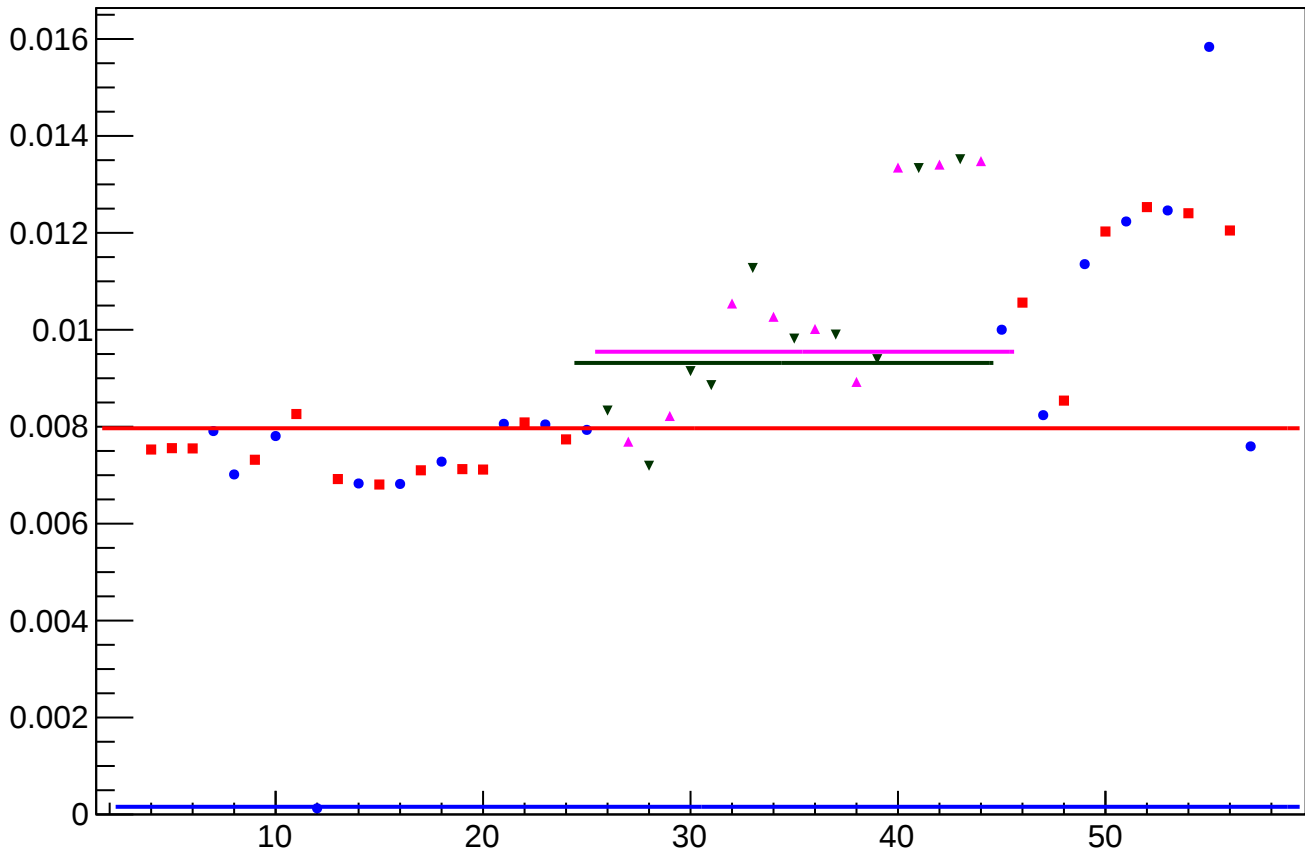
Right Out: -0.618+/-0.000 χ^2/NDF : 3446879917.1/17

Left In: -0.414+/-0.000 χ^2/NDF : 2651942.7/8

0.001+/-0.000 χ^2/NDF : 68533859548.7/26

-0.559+/-0.000 χ^2/NDF : 5176843474.9/26

yield_bpm4acX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 18856441.2/16

Left Out: 0.009+/-0.000 χ^2/NDF : 365508.7/9

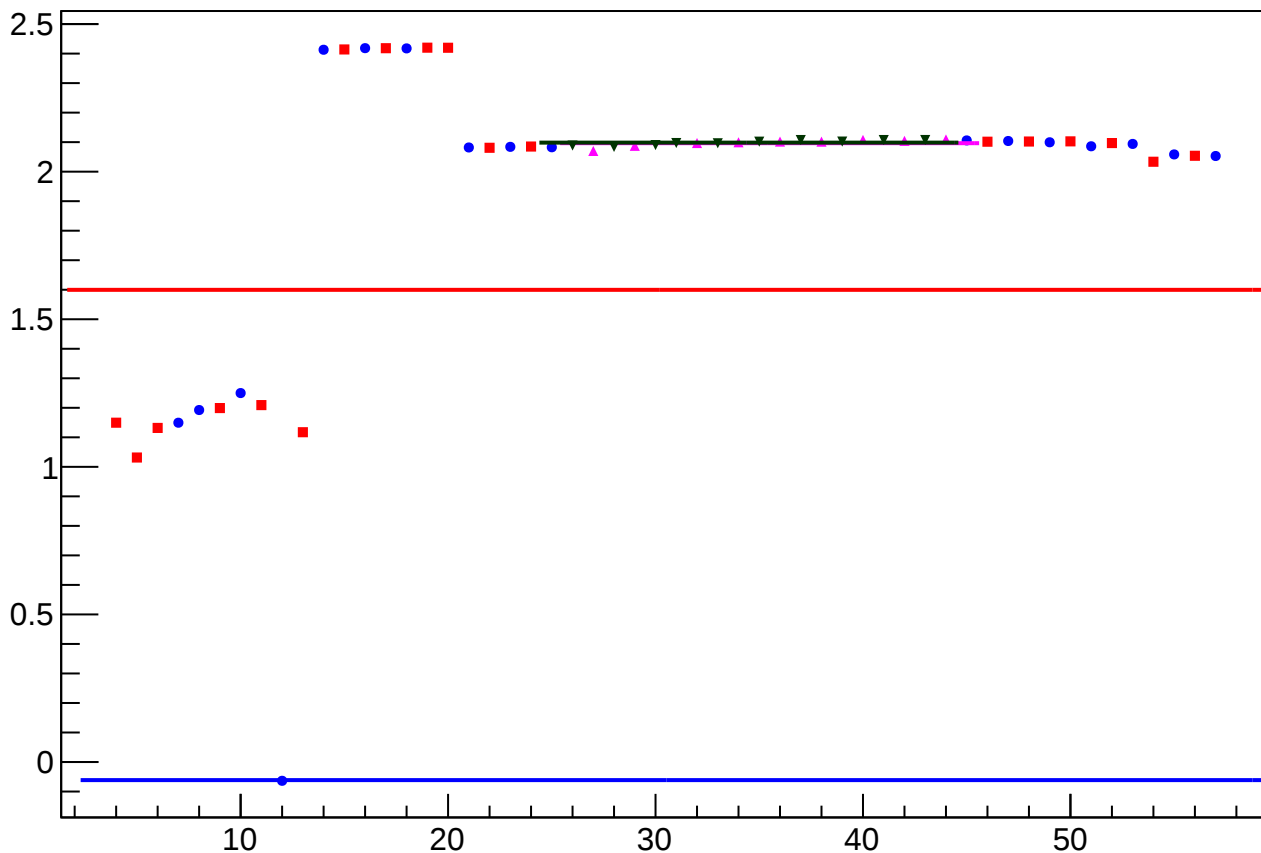
0.000+/-0.000 χ^2/NDF : 28985554.0/26

Right Out: 0.008+/-0.000 χ^2/NDF : 687887.9/17

0.008+/-0.000 χ^2/NDF : 1316126.9/26

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 : 168743711244.7/16

Left Out: 2.098+/-0.000 χ^2/NDF : 2018647.6/9

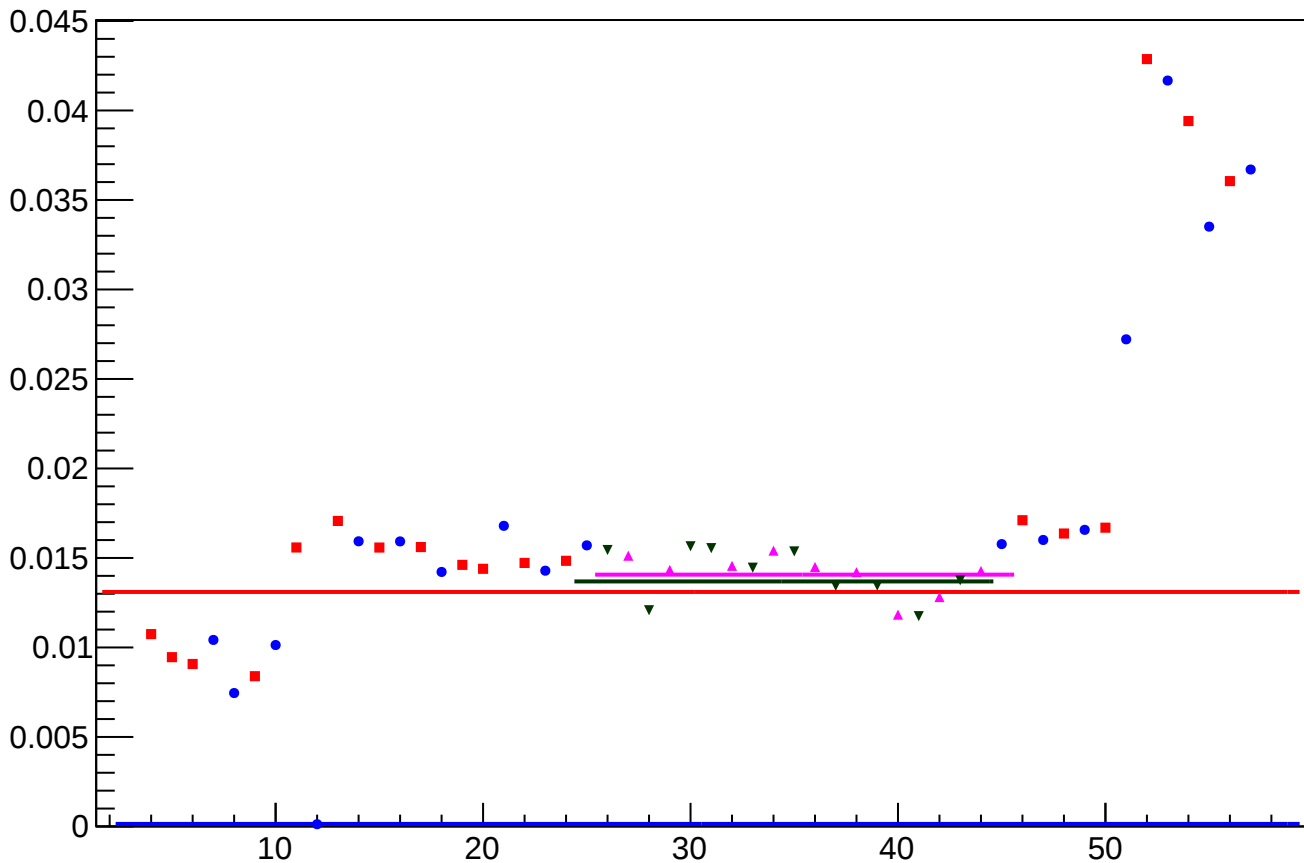
Right Out: 1.600+/-0.000 χ^2/NDF : 13095391730.5/17

Left In: 2.096+/-0.000 χ^2/NDF : 3992542.9/8

-0.060+/-0.000 χ^2/NDF : 294048554469.4/26

1.787+/-0.000 χ^2/NDF : 17337370854.4/26

yield_bpm4acY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 18243261.0/16

Left Out: 0.014+/-0.000 χ^2/NDF :106273.7/9

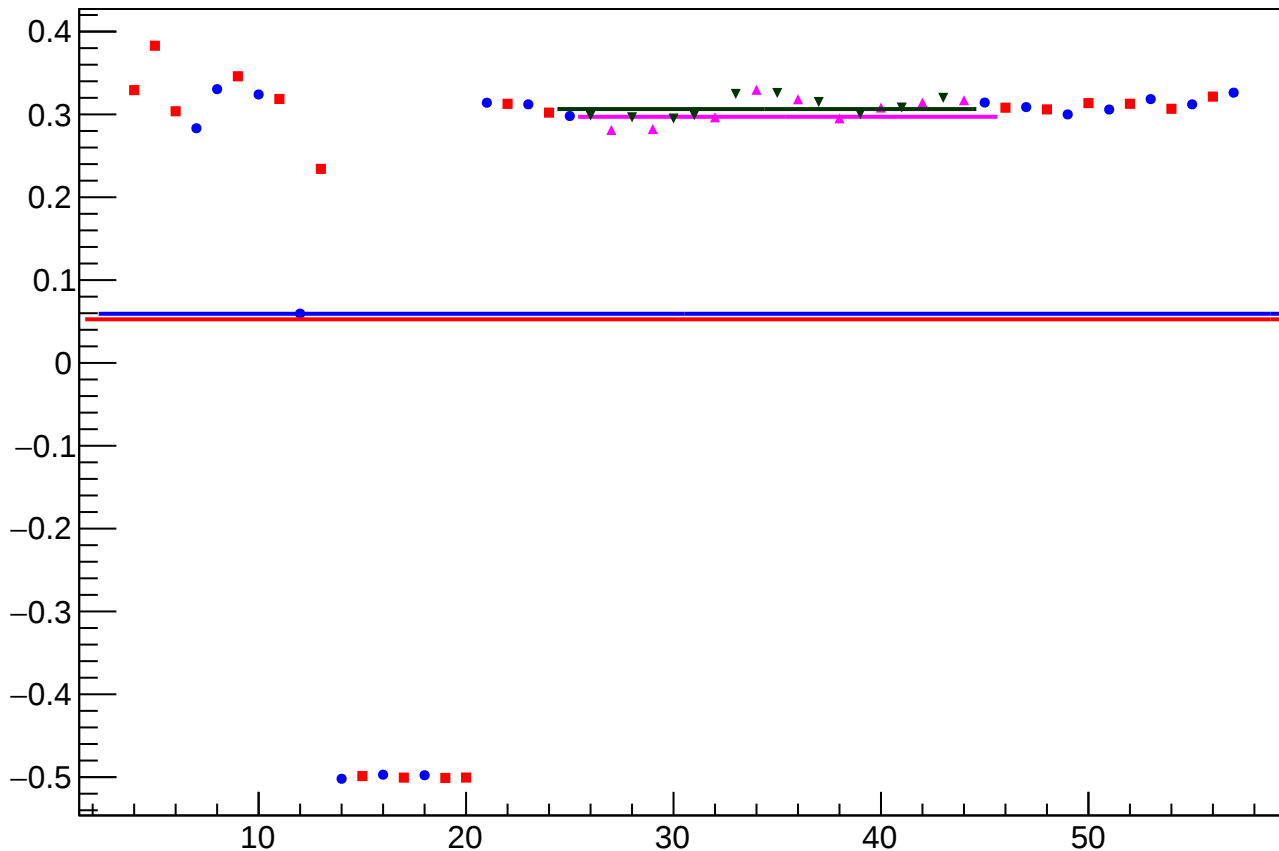
0.000+/-0.000 χ^2/NDF : 28209826.0/26

Right Out: 0.013+/-0.000 χ^2/NDF : 2329398.4/17

0.013+/-0.000 χ^2/NDF : 2424896.5/26

Left In: 0.014+/-0.000 χ^2/NDF :63357.4/8

yield_bpm4ecX_mean vs slug



Right In: 0.059+/-0.000 χ^2/NDF : 3883069313.6/16

Left Out: 0.306+/-0.000 χ^2/NDF :1355327.7/9

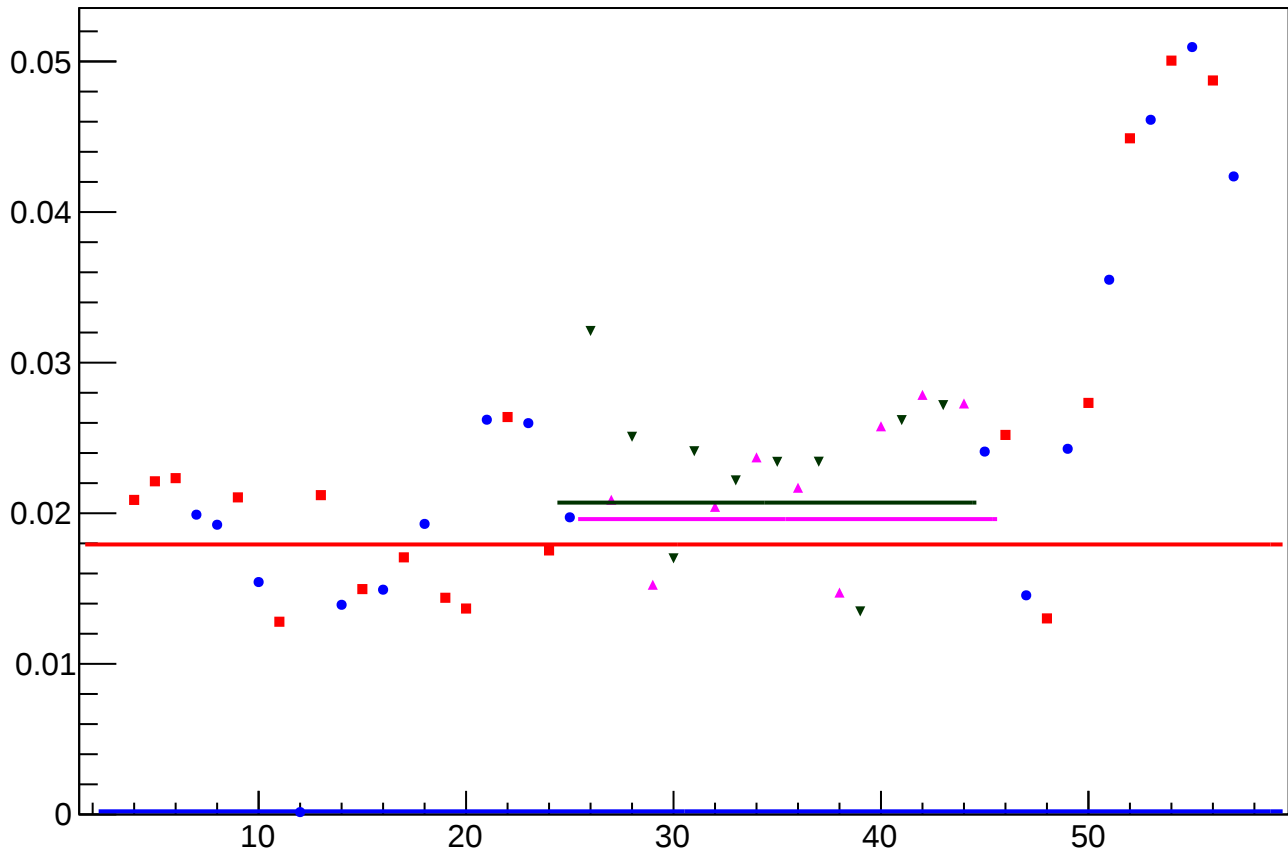
0.060+/-0.000 χ^2/NDF : 4556395439.1/26

Right Out: 0.053+/-0.000 χ^2/NDF : 3505713852.1/17

0.137+/-0.000 χ^2/NDF : 4020344663.7/26

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 : 18351394.3/16

Left Out: 0.021+/-0.000 χ^2/NDF : 655279.7/9

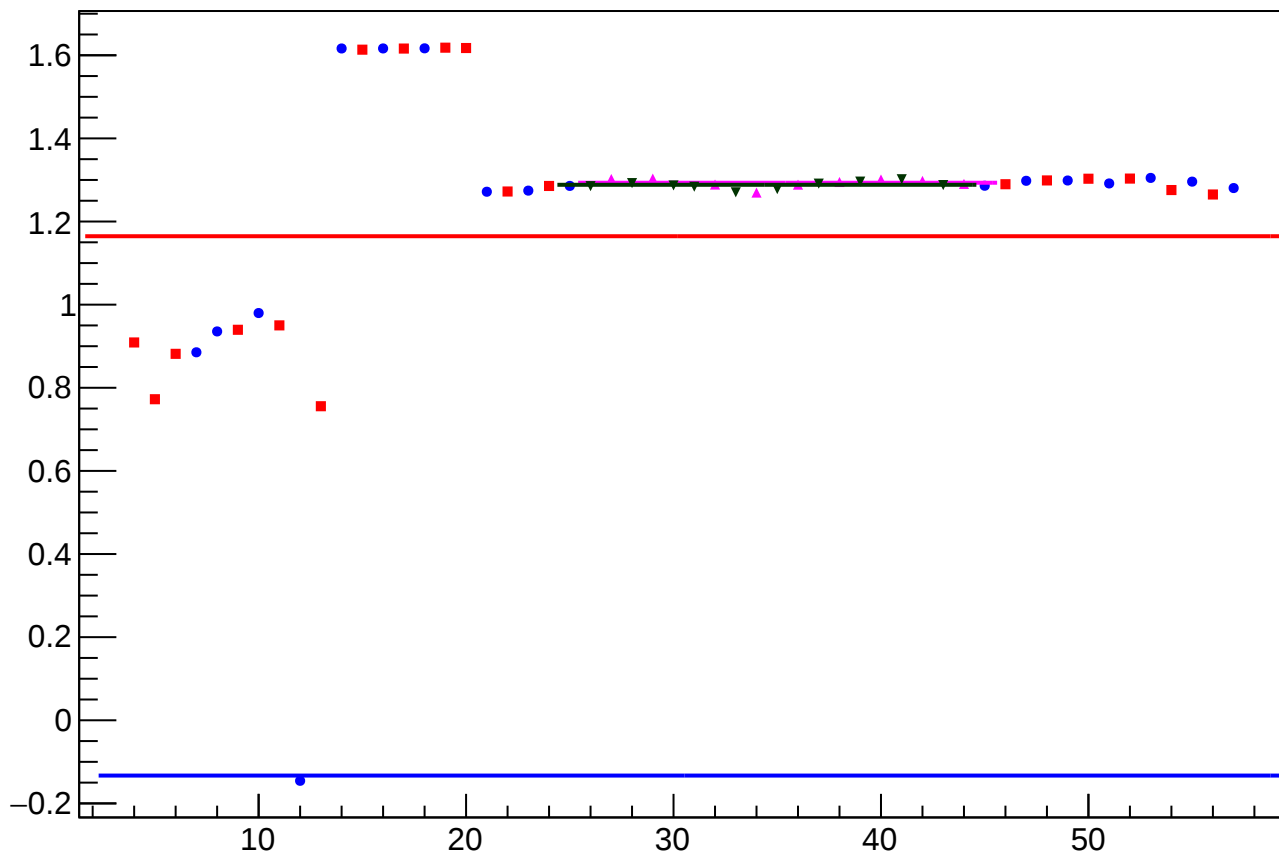
0.000+/-0.000 χ^2/NDF : 28254263.4/26

Right Out: 0.018+/-0.000 χ^2/NDF : 2105812.5/17

0.019+/-0.000 χ^2/NDF : 2647789.6/26

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 : 167049127769.6/16

Left Out: 1.288+/-0.000 χ^2/NDF : 3982202.6/9

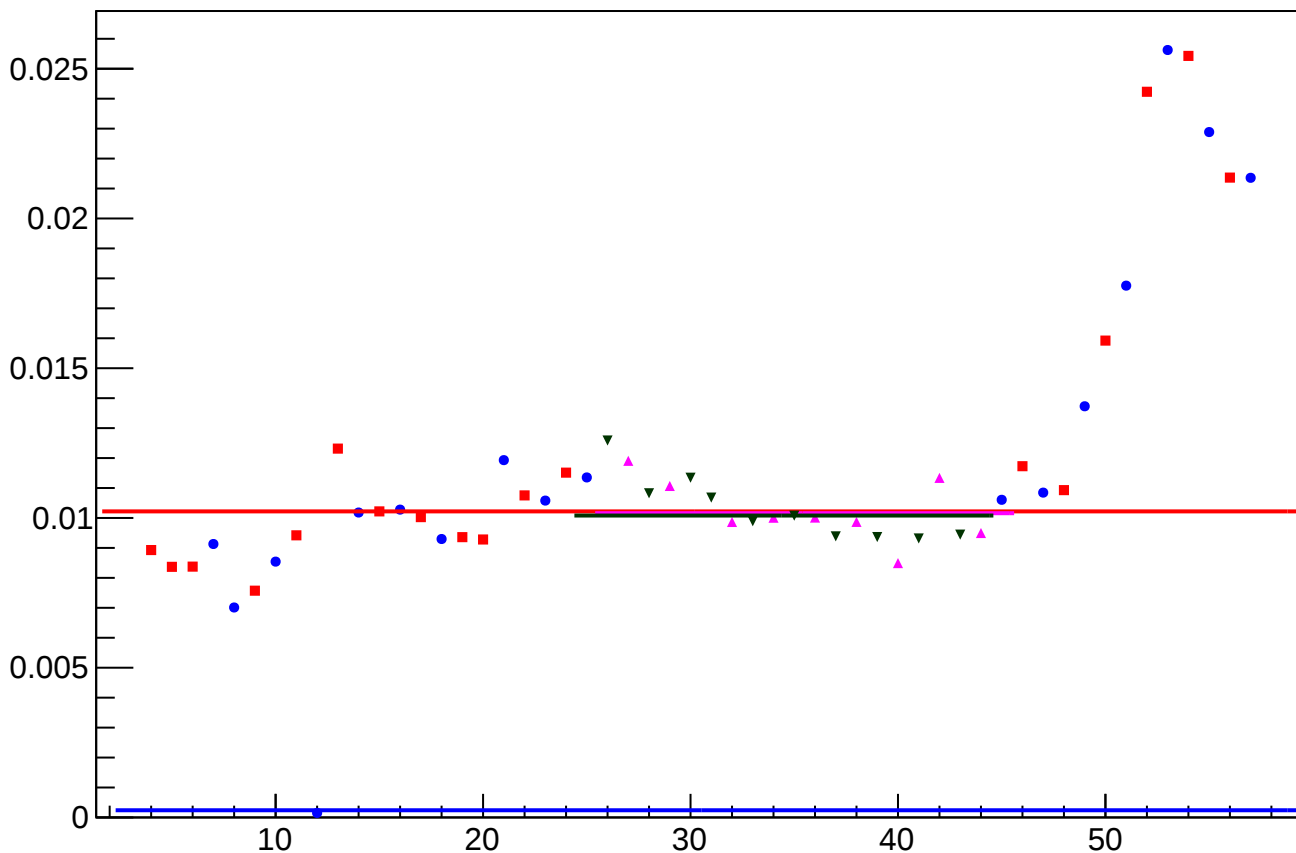
Right Out: 1.165+/-0.000 χ^2/NDF : 7240791337.8/17

Left In: 1.293+/-0.000 χ^2/NDF : 4686204.8/8

-0.125+/-0.000 χ^2/NDF : 267813064942.9/26

1.216+/-0.000 χ^2/NDF : 7765381548.1/26

yield_bpm4ecY_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 17948613.9/16

Left Out: 0.010+/-0.000 χ^2/NDF :82741.5/9

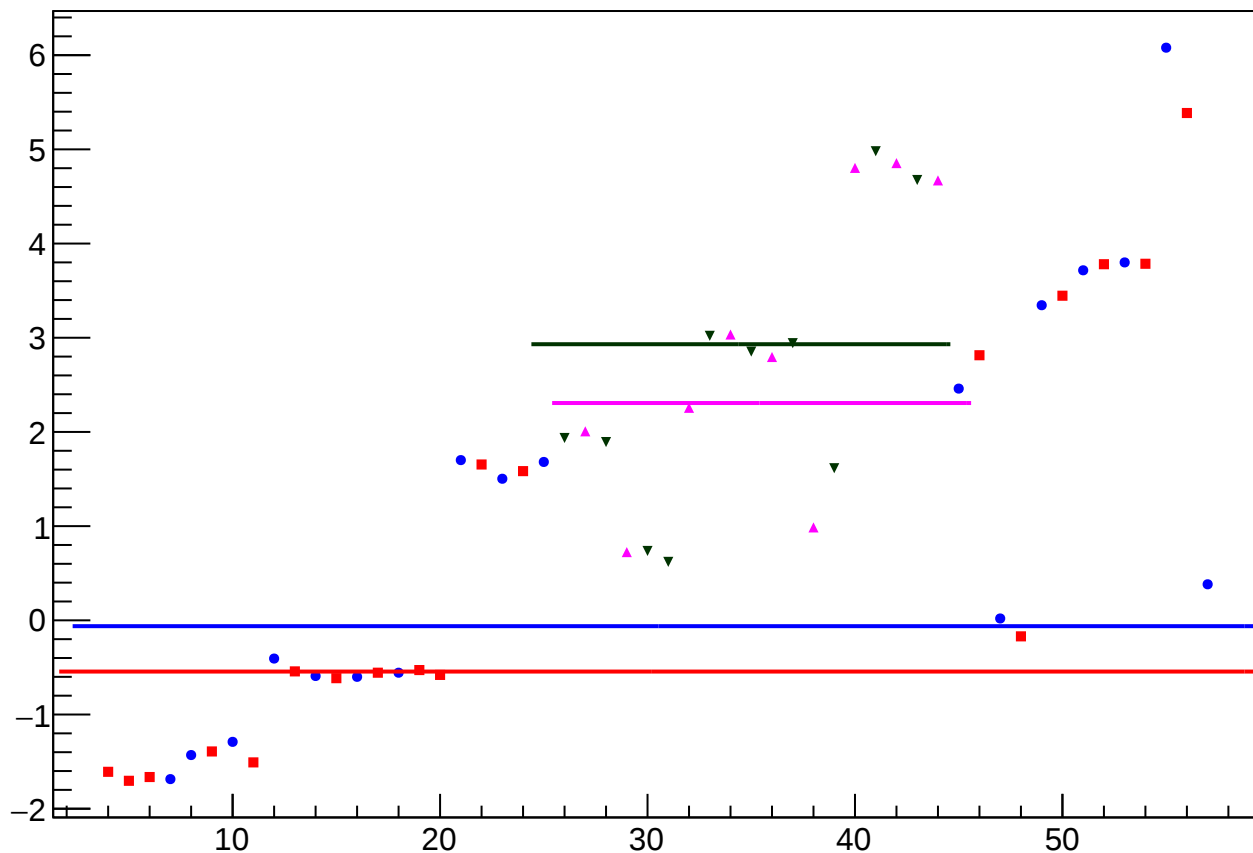
Right Out: 0.010+/-0.000 χ^2/NDF : 1373809.9/17

Left In: 0.010+/-0.000 χ^2/NDF :100961.6/8

0.000+/-0.000 χ^2/NDF : 27690879.7/26

0.010+/-0.000 χ^2/NDF : 1475004.6/26

yield_bpm1X_mean vs slug



Right In: -0.062 ± 0.000 χ^2/NDF : 17012946148.7/16

Left Out: 2.931 ± 0.000 χ^2/NDF : 696767729.4/9

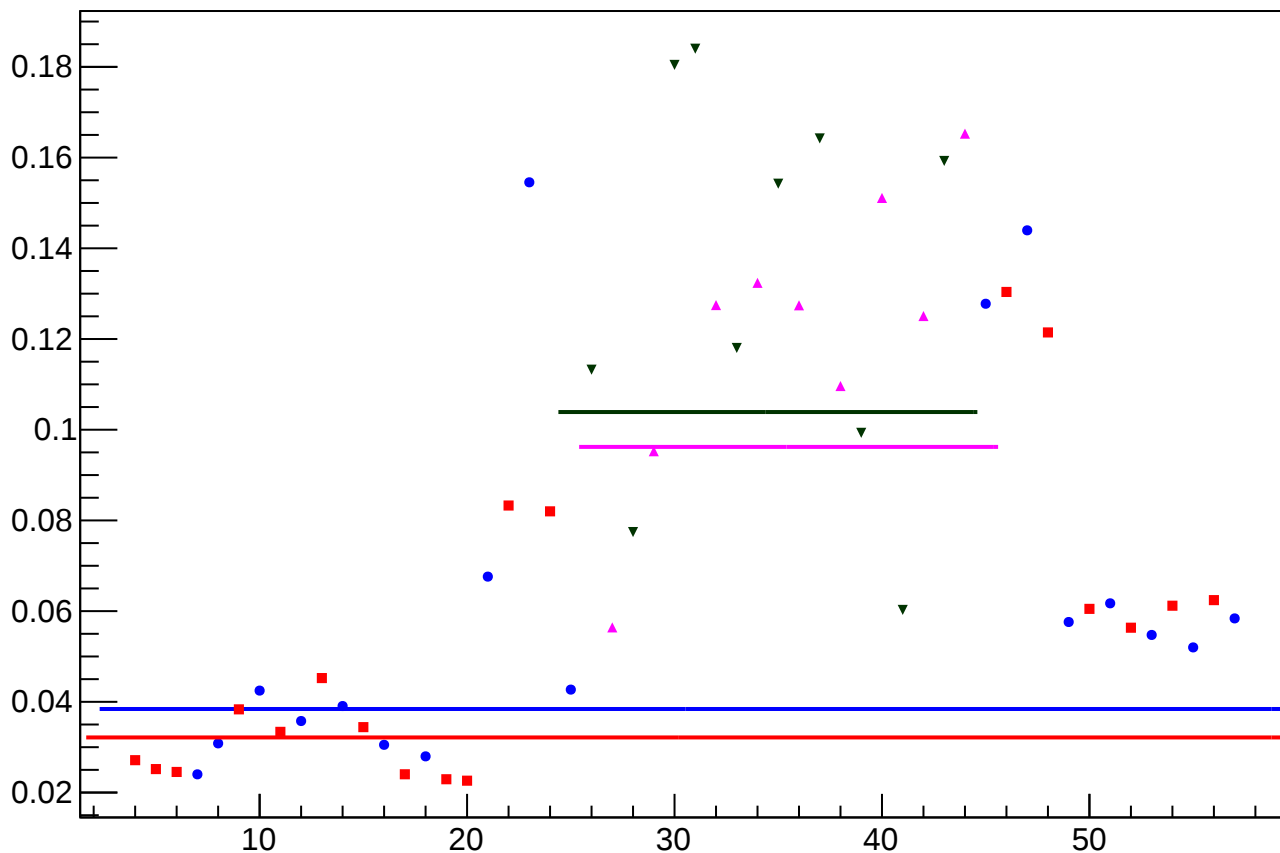
Right Out: -0.544 ± 0.000 χ^2/NDF : 14299802875.6/17

Left In: 2.307 ± 0.000 χ^2/NDF : 637059338.1/8

0.134 ± 0.000 χ^2/NDF : 20447042115.0/26

-0.357 ± 0.000 χ^2/NDF : 18094716621.1/26

yield_bpm1X_rms vs slug



Right In: 0.038+/-0.000 χ^2/NDF : 2710036.9/16

Left Out: 0.104+/-0.000 χ^2/NDF :1068598.5/9

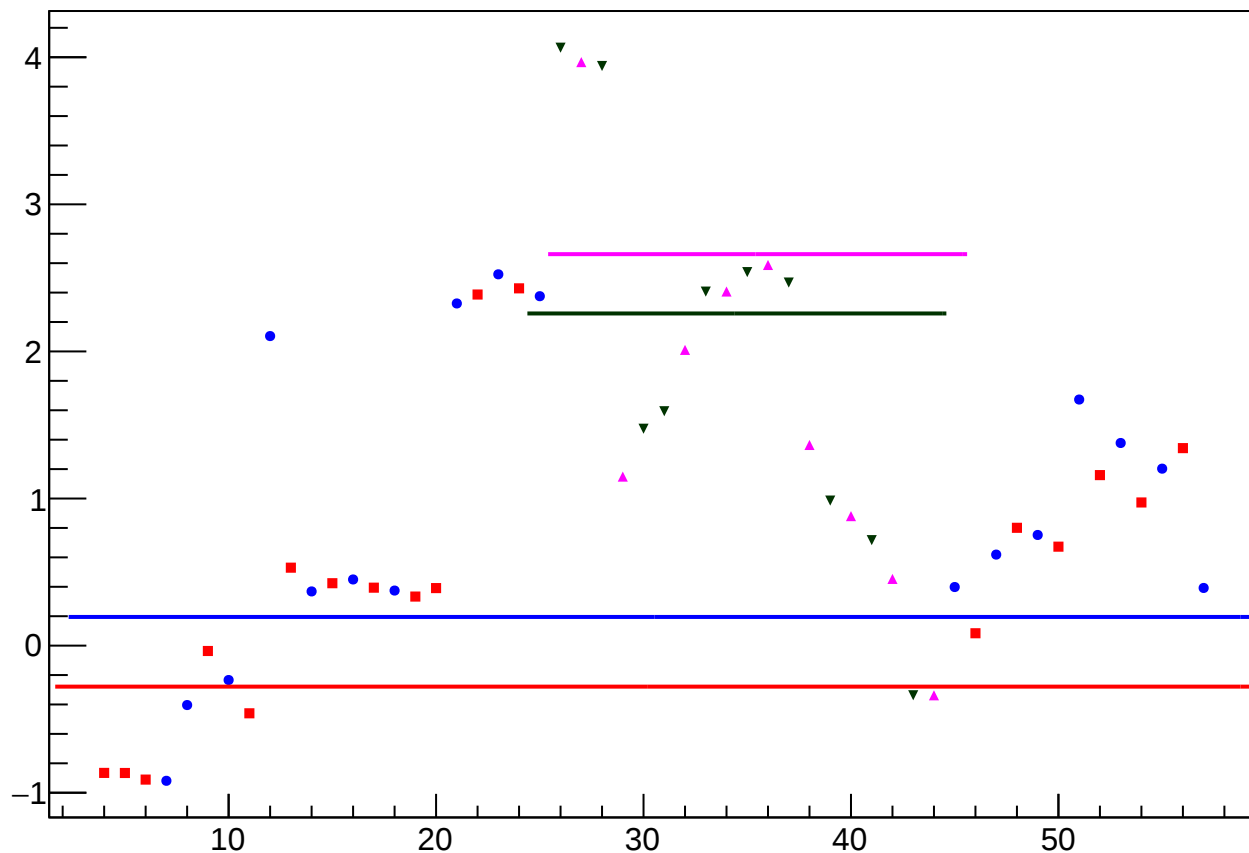
Right Out: 0.032+/-0.000 χ^2/NDF : 2704073.1/17

Left In: 0.096+/-0.000 χ^2/NDF :1062303.0/8

0.043+/-0.000 χ^2/NDF : 6398205.3/26

0.036+/-0.000 χ^2/NDF : 6955402.5/26

yield_bpm1Y_mean vs slug



Right In: 0.195+/-0.000 χ^2/NDF : 9160874318.4/16

Left Out: 2.258+/-0.000 χ^2/NDF :1464188140.1/9

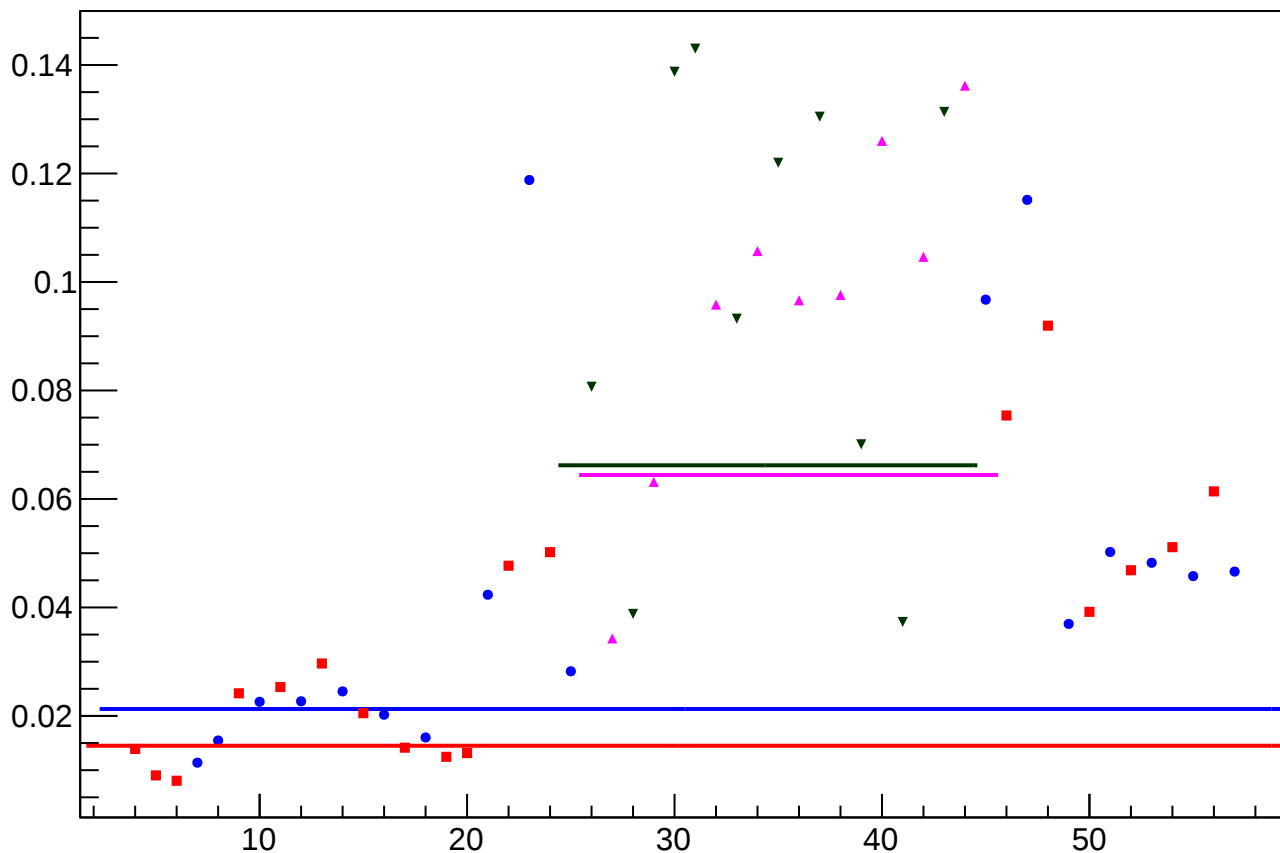
Right Out: -0.279+/-0.000 χ^2/NDF : 10621222015.9/17

Left In: 2.661+/-0.000 χ^2/NDF :1577506308.7/8

0.302+/-0.000 χ^2/NDF : 13328993650.4/26

-0.172+/-0.000 χ^2/NDF : 18963694193.6/26

yield_bpm1Y_rms vs slug



Right In: 0.021 ± 0.000 χ^2/NDF : 3991677.6/16

Left Out: 0.066 ± 0.000 χ^2/NDF : 1777792.9/9

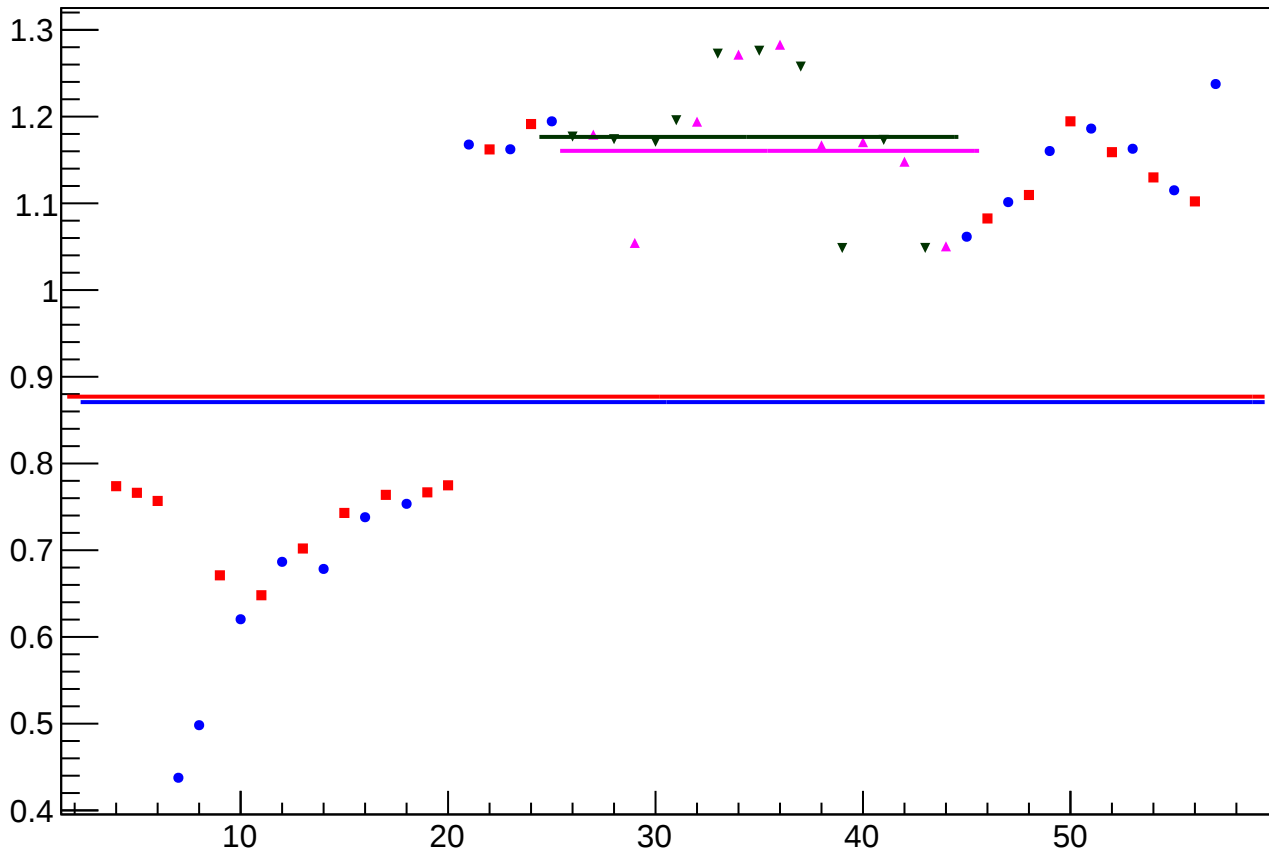
Right Out: 0.015 ± 0.000 χ^2/NDF : 4572548.7/17

Left In: 0.064 ± 0.000 χ^2/NDF : 1800340.3/8

0.024 ± 0.000 χ^2/NDF : 8333342.9/26

0.016 ± 0.000 χ^2/NDF : 10272129.3/26

yield_bpm11X_mean vs slug



Right In: 0.871 $\pm$ 0.000 χ^2/NDF : 1499386411.1/16

Left Out: 1.177 $\pm$ 0.000 χ^2/NDF : 56492661.1/9

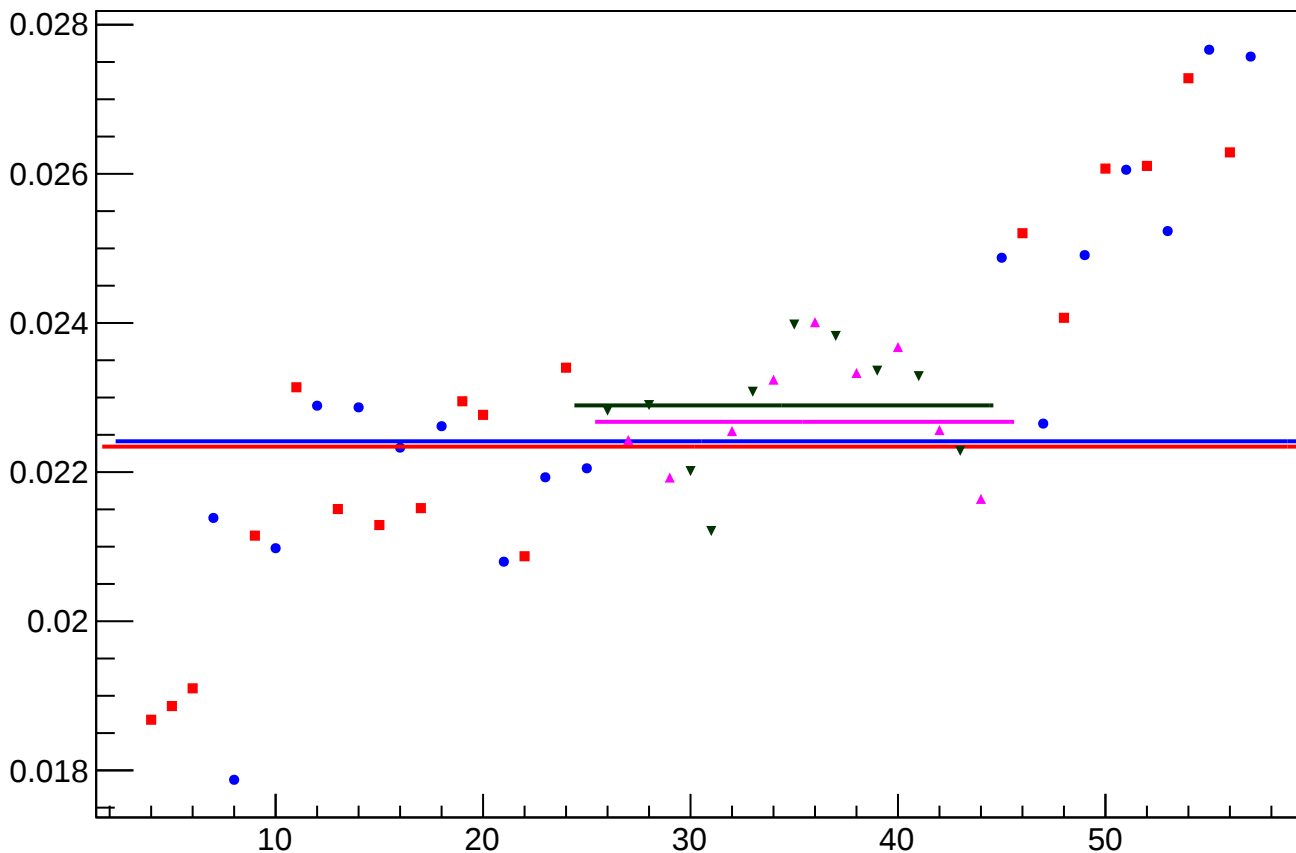
0.972 $\pm$ 0.000 χ^2/NDF : 2171403244.6/26

Right Out: 0.877 $\pm$ 0.000 χ^2/NDF : 761212479.0/17

0.982 $\pm$ 0.000 χ^2/NDF : 1354578194.2/26

Left In: 1.161 $\pm$ 0.000 χ^2/NDF : 58009580.0/8

yield_bpm11X_rms vs slug



Right In: 0.022+/-0.000 χ^2/NDF : 264086.1/16

Left Out: 0.023+/-0.000 χ^2/NDF :11436.5/9

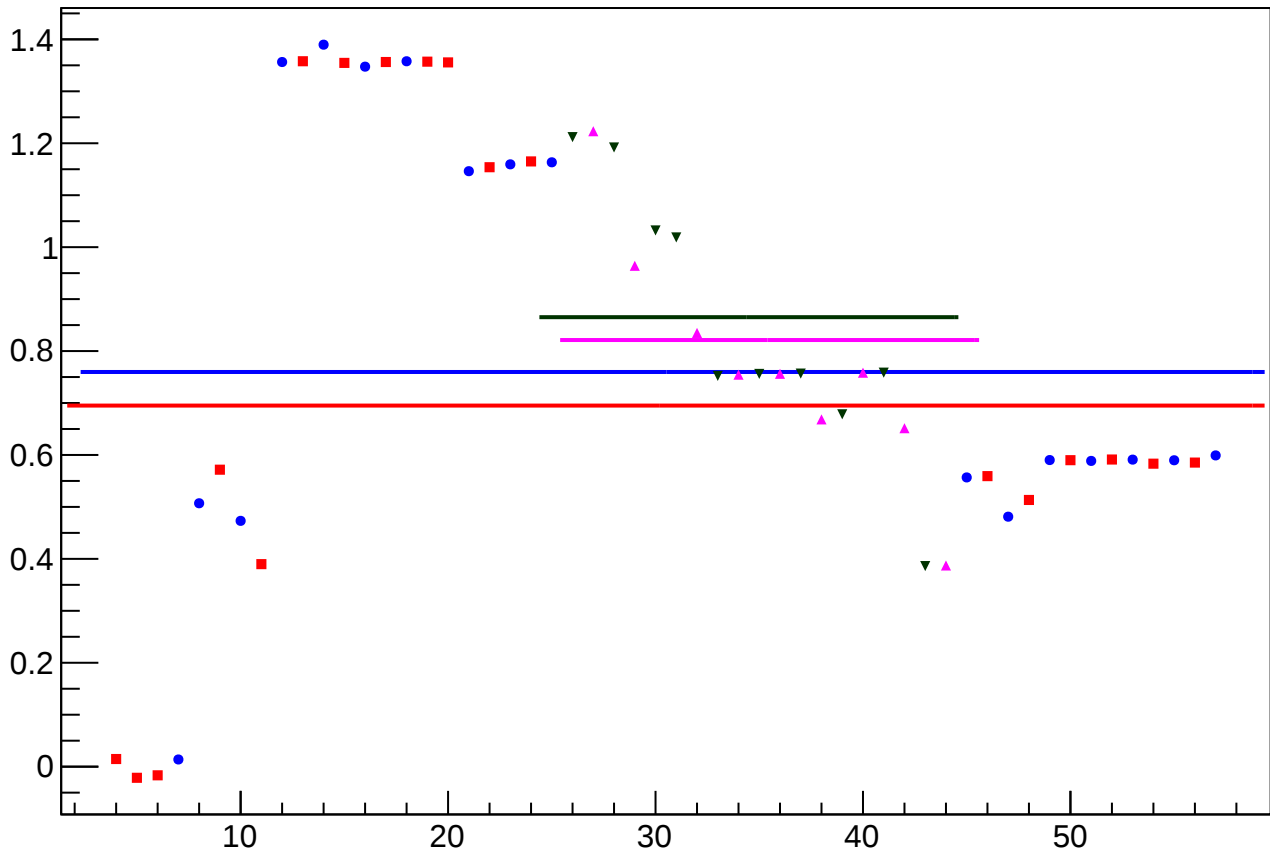
Right Out: 0.022+/-0.000 χ^2/NDF : 200469.1/17

Left In: 0.023+/-0.000 χ^2/NDF :10426.9/8

0.023+/-0.000 χ^2/NDF : 278575.3/26

0.022+/-0.000 χ^2/NDF : 212369.5/26

yield_bpm11Y_mean vs slug



Right In: 0.760+/-0.000 χ^2/NDF : 119152713313.7/16

Left Out: 0.865+/-0.000 χ^2/NDF : 19769026573.0/9

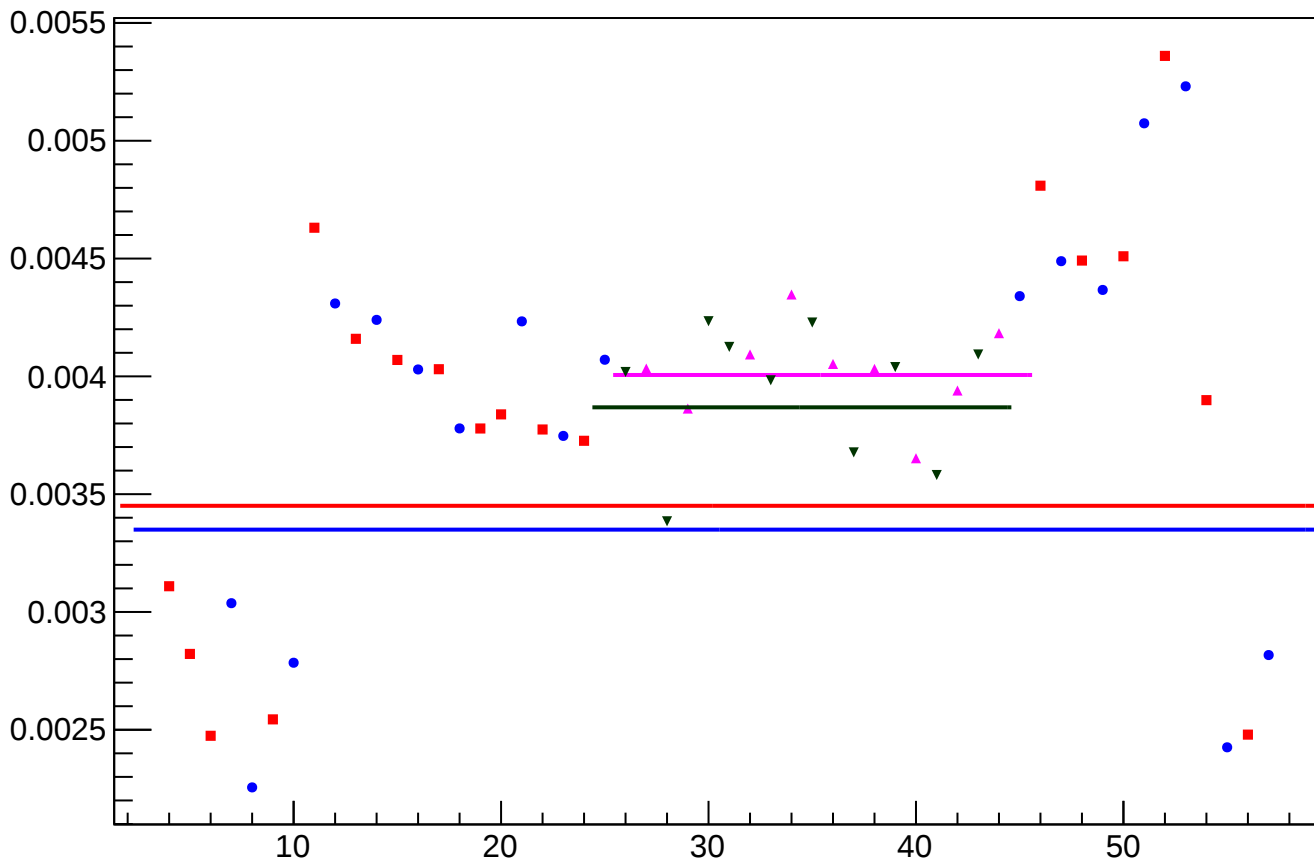
0.790+/-0.000 χ^2/NDF : 141591230894.5/26

Right Out: 0.695+/-0.000 χ^2/NDF : 167089170535.8/17

0.736+/-0.000 χ^2/NDF : 187696129722.7/26

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 : 1394000.4/16

Left Out: 0.004+/-0.000 χ^2/NDF :59617.0/9

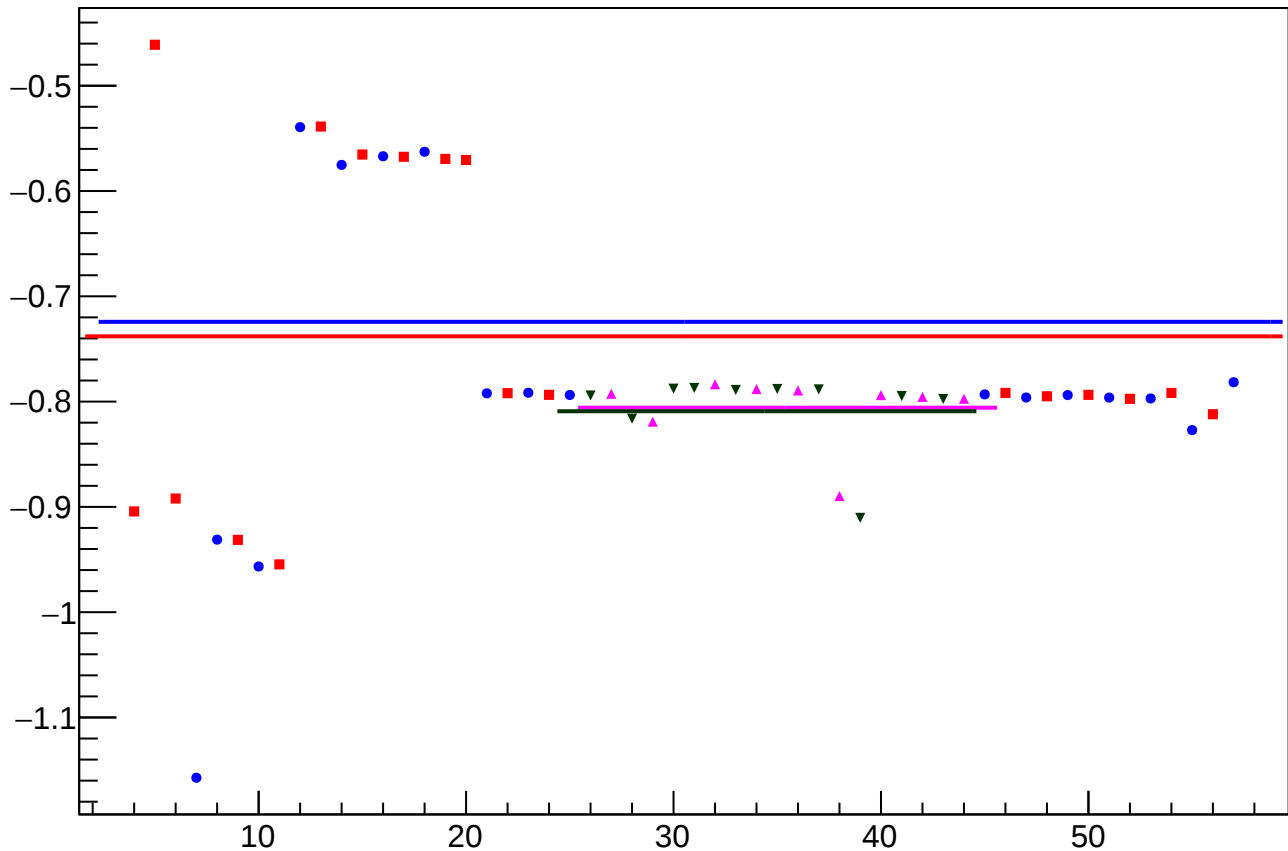
0.003+/-0.000 χ^2/NDF : 1582885.5/26

Right Out: 0.003+/-0.000 χ^2/NDF : 1056858.5/17

0.004+/-0.000 χ^2/NDF : 1219686.5/26

Left In: 0.004+/-0.000 χ^2/NDF :20484.3/8

yield_bpm12X_mean vs slug



Right In: -0.724+/-0.000 χ^2/NDF : 2243802530.0/16

Left Out: -0.809+/-0.000 χ^2/NDF : 119027161.1/9

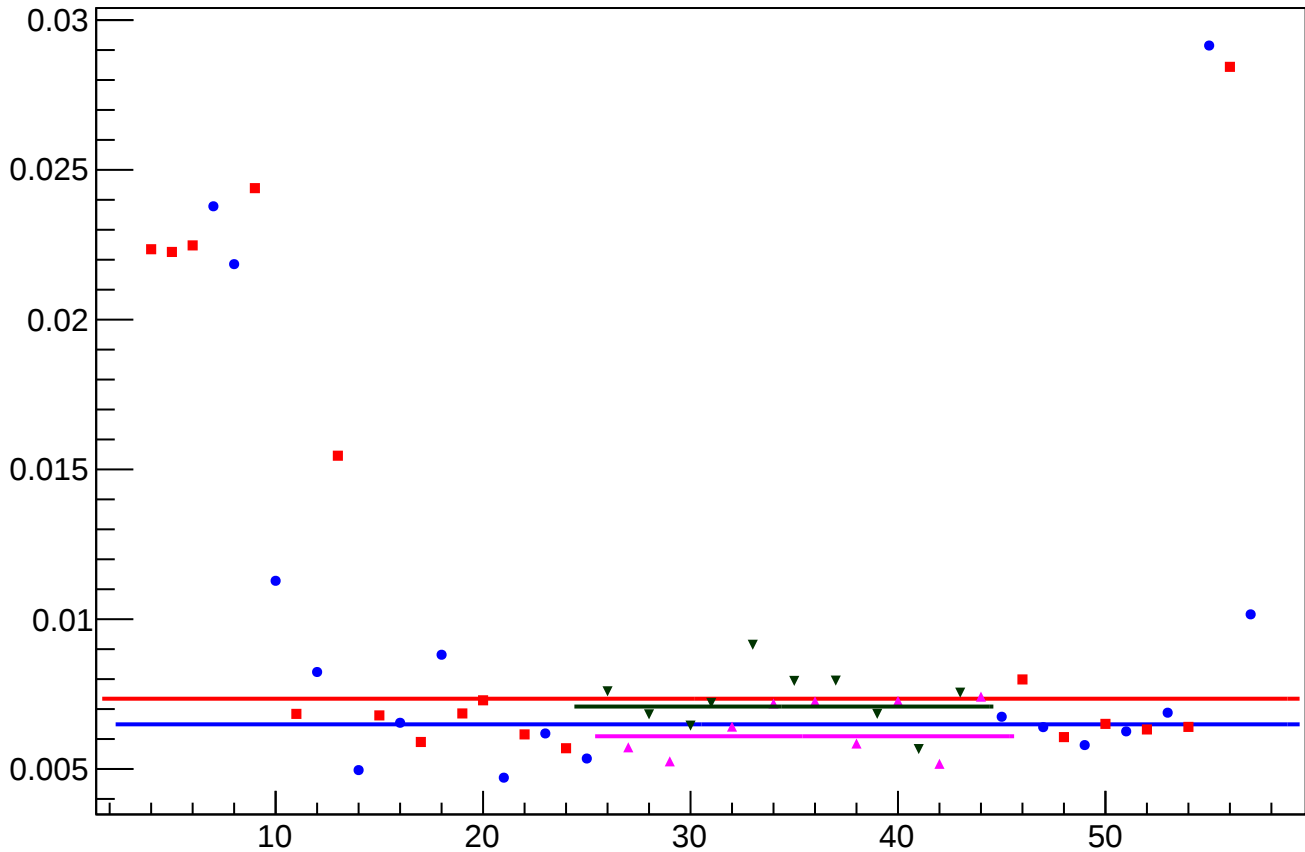
Right Out: -0.738+/-0.000 χ^2/NDF : 1912116682.9/17

Left In: -0.806+/-0.000 χ^2/NDF : 95429738.5/8

-0.752+/-0.000 χ^2/NDF : 2741958770.1/26

-0.771+/-0.000 χ^2/NDF : 2260909519.2/26

yield_bpm12X_rms vs slug



Right In: 0.006+/-0.000 χ^2/NDF : 2545618.3/16

Left Out: 0.007+/-0.000 χ^2/NDF :128168.7/9

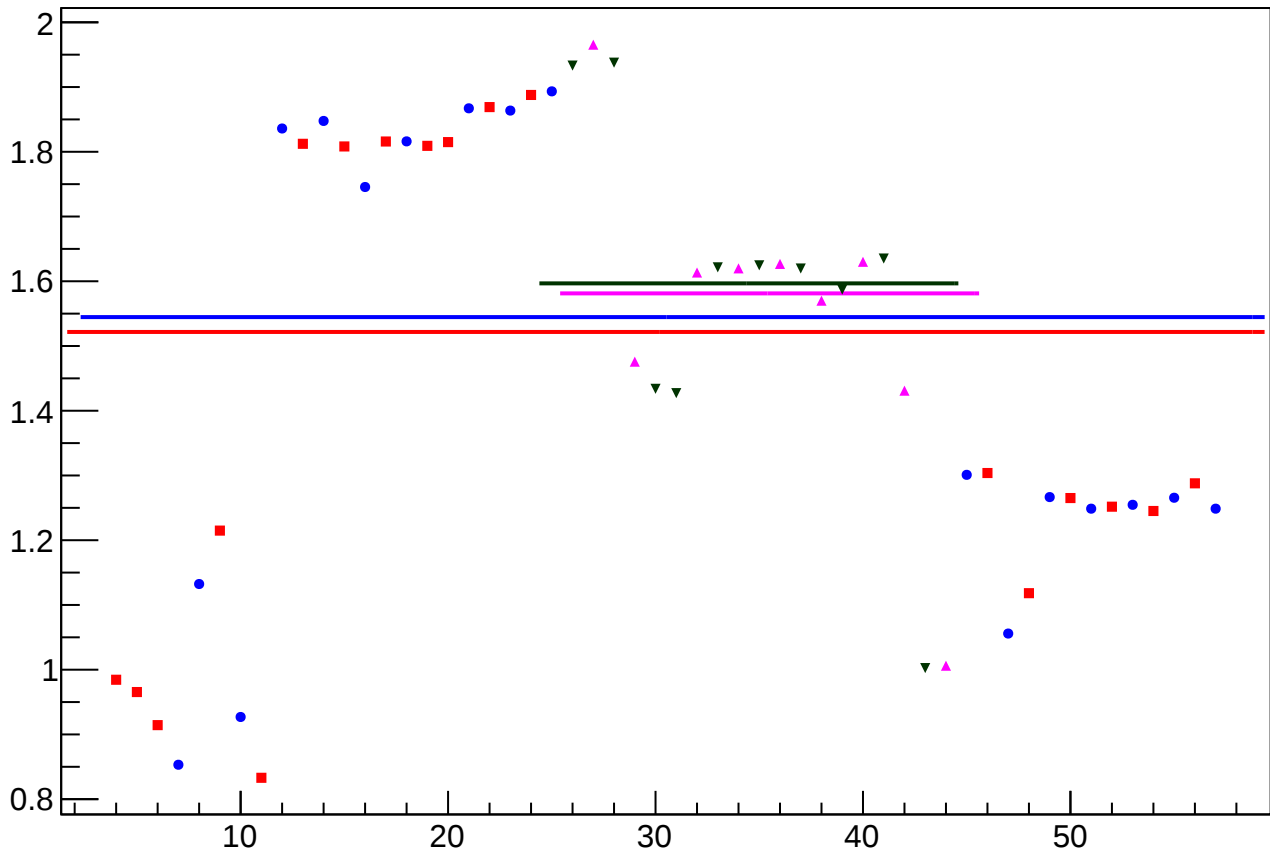
0.007+/-0.000 χ^2/NDF : 2710836.5/26

Right Out: 0.007+/-0.000 χ^2/NDF : 2900925.4/17

0.007+/-0.000 χ^2/NDF : 3216565.7/26

Left In: 0.006+/-0.000 χ^2/NDF :142266.3/8

yield_bpm12Y_mean vs slug



Right In: 1.545 $\pm$ 0.000 χ^2 /NDF: 21381808320.5/16

Left Out: 1.597 $\pm$ 0.000 χ^2 /NDF: 6672070685.1/9

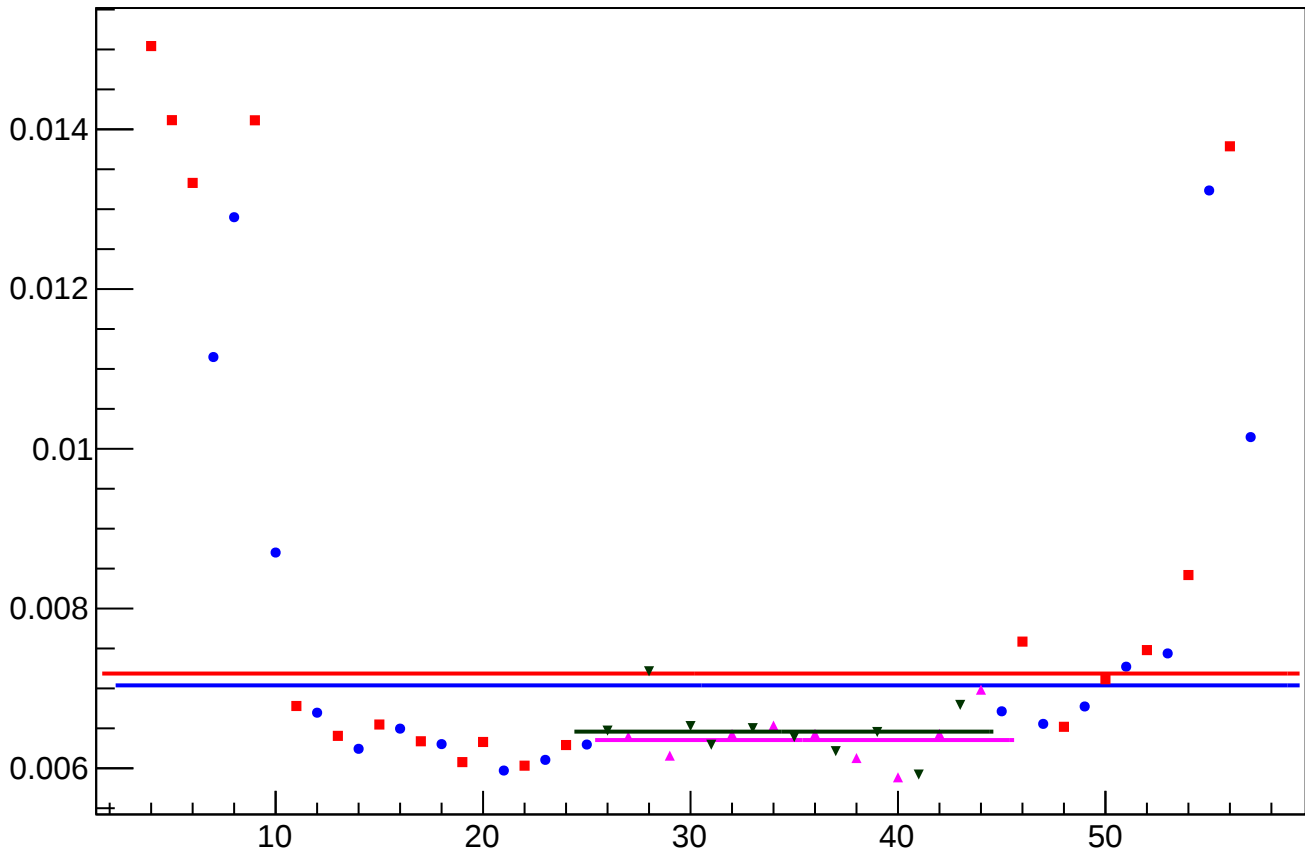
1.565 $\pm$ 0.000 χ^2 /NDF: 28249035954.8/26

Right Out: 1.522 $\pm$ 0.000 χ^2 /NDF: 21406975150.9/17

1.548 $\pm$ 0.000 χ^2 /NDF: 28413657350.6/26

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 : 936921.6/16

Left Out: 0.006+/-0.000 χ^2/NDF : 26704.2/9

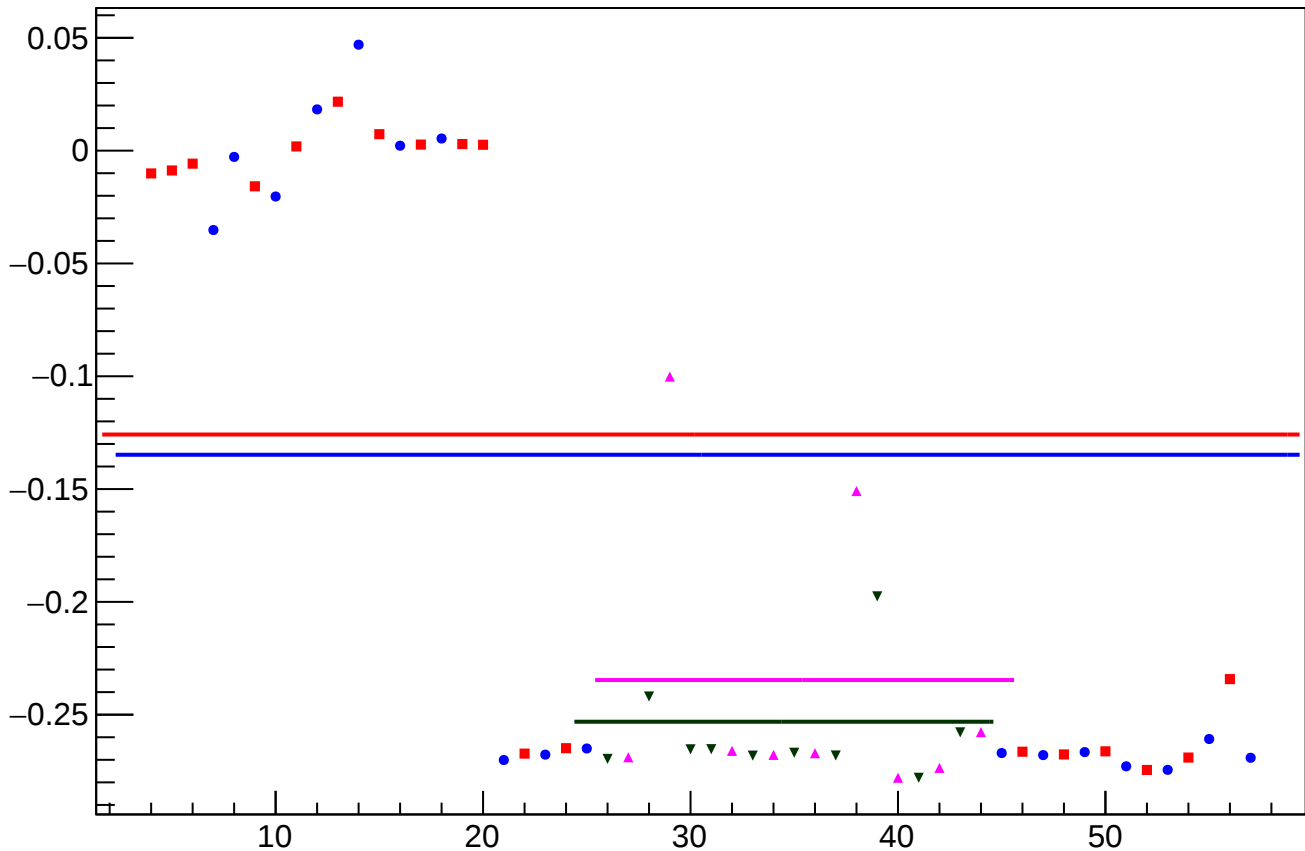
0.007+/-0.000 χ^2/NDF : 1011873.0/26

Right Out: 0.007+/-0.000 χ^2/NDF : 1231298.9/17

0.007+/-0.000 χ^2/NDF : 1346576.5/26

Left In: 0.006+/-0.000 χ^2/NDF : 17689.1/8

yield_bpm16X_mean vs slug



Right In: -0.135+/-0.000 χ^2/NDF : 7129959099.7/16

Left Out: -0.253+/-0.000 χ^2/NDF : 114103318.3/9

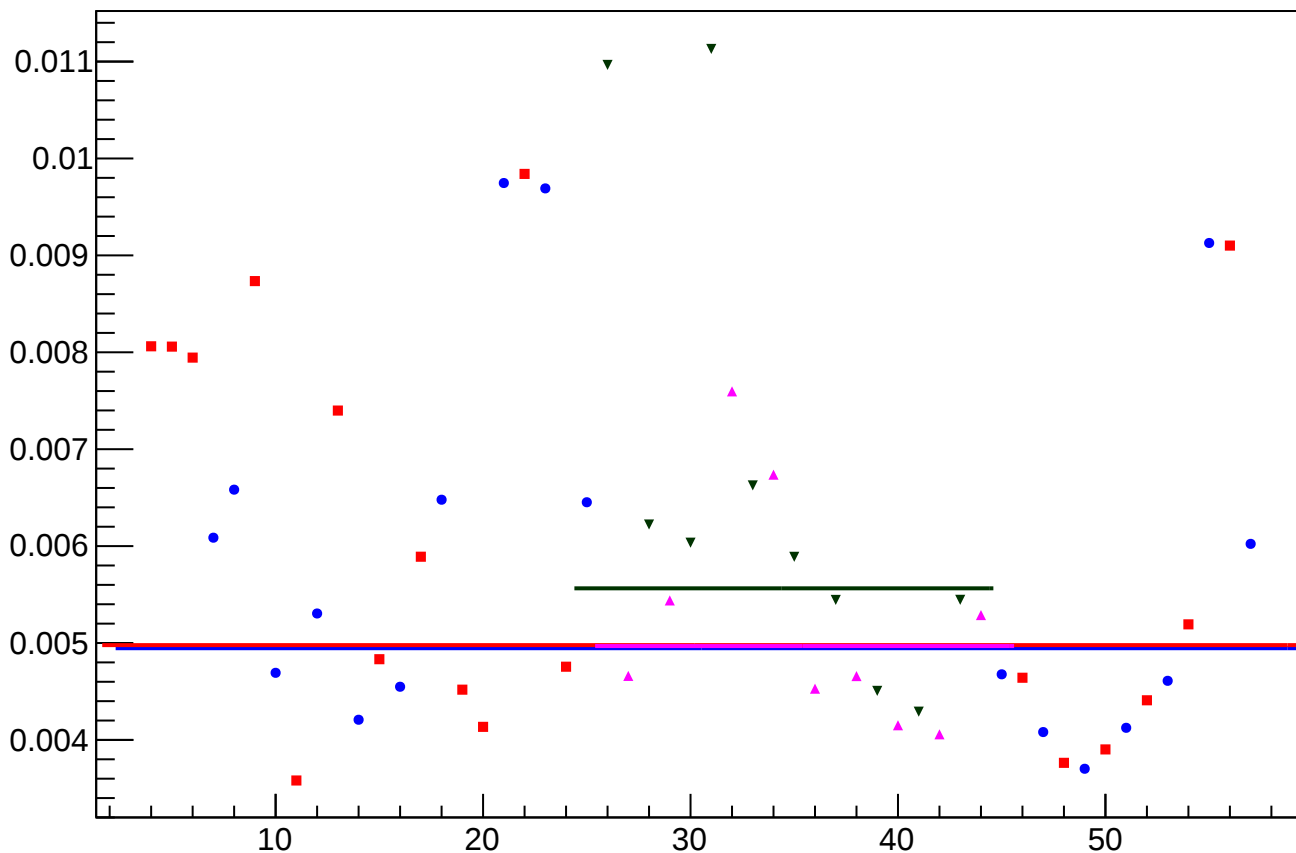
-0.169+/-0.000 χ^2/NDF : 8686693088.2/26

Right Out: -0.126+/-0.000 χ^2/NDF : 5719653967.0/17

-0.168+/-0.000 χ^2/NDF : 7931938514.4/26

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 : 1377208.7/16

Left Out: 0.006+/-0.000 χ^2/NDF :608011.7/9

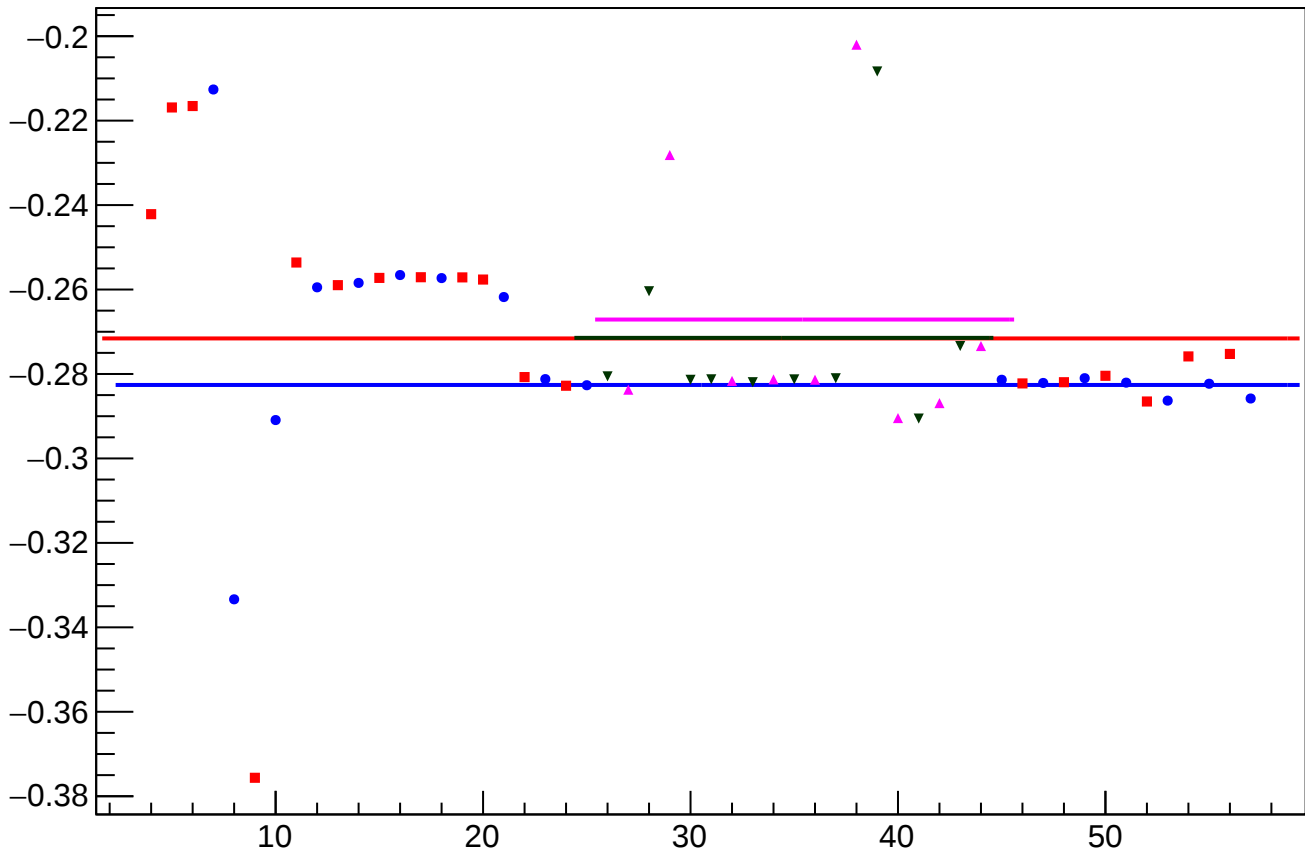
Right Out: 0.005+/-0.000 χ^2/NDF : 1617077.7/17

Left In: 0.005+/-0.000 χ^2/NDF :366477.9/8

0.005+/-0.000 χ^2/NDF : 2063889.4/26

0.005+/-0.000 χ^2/NDF : 1983577.2/26

yield_bpm16Y_mean vs slug



Right In: -0.283+/-0.000 χ^2/NDF : 1068413152.4/16

Left Out: -0.271+/-0.000 χ^2/NDF : 349277523.0/9

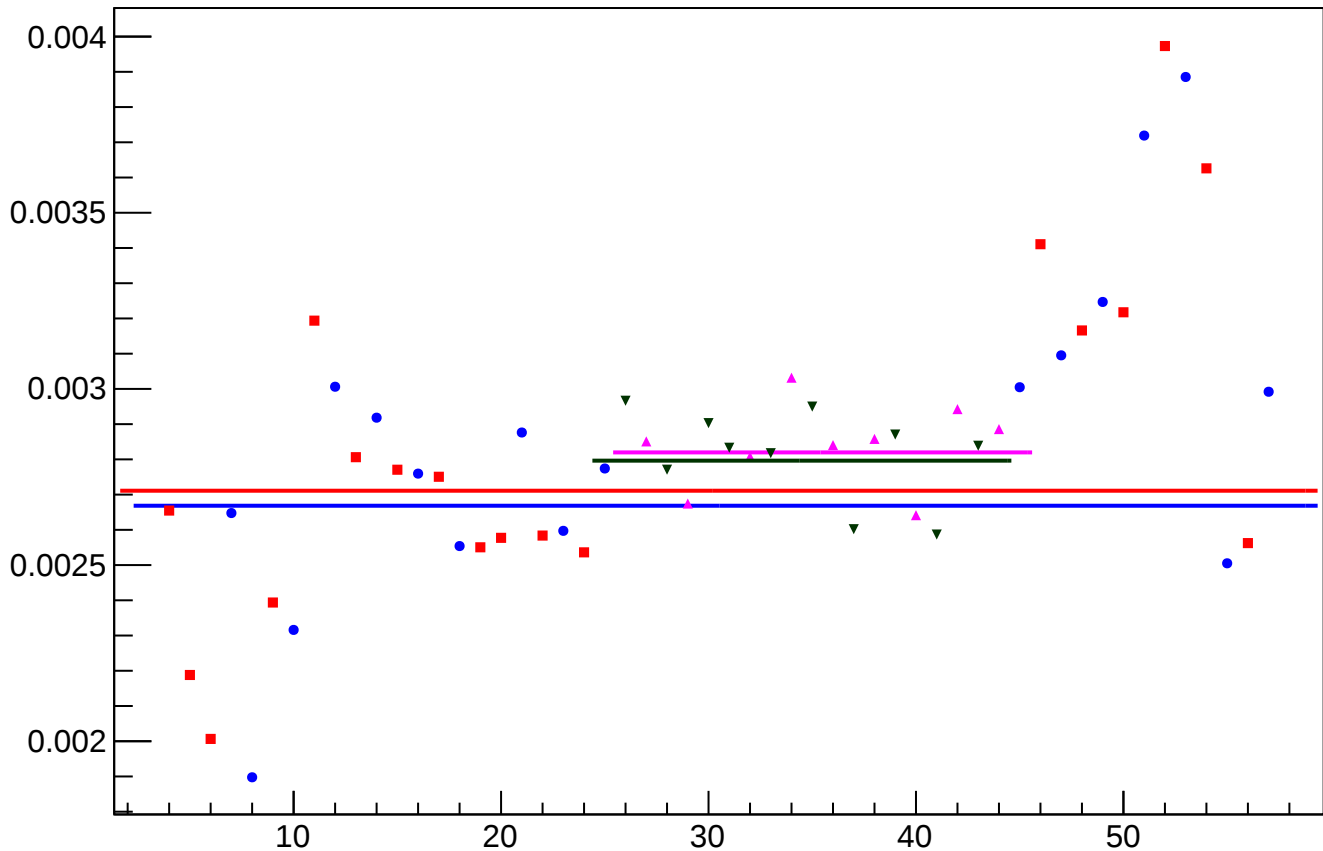
-0.279+/-0.000 χ^2/NDF : 1473000001.8/26

Right Out: -0.272+/-0.000 χ^2/NDF : 1963859160.7/17

-0.270+/-0.000 χ^2/NDF : 2526262929.5/26

Left In: -0.267+/-0.000 χ^2/NDF : 553669253.3/8

yield_bpm16Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 639992.1/16

Left Out: 0.003+/-0.000 χ^2/NDF :22003.3/9

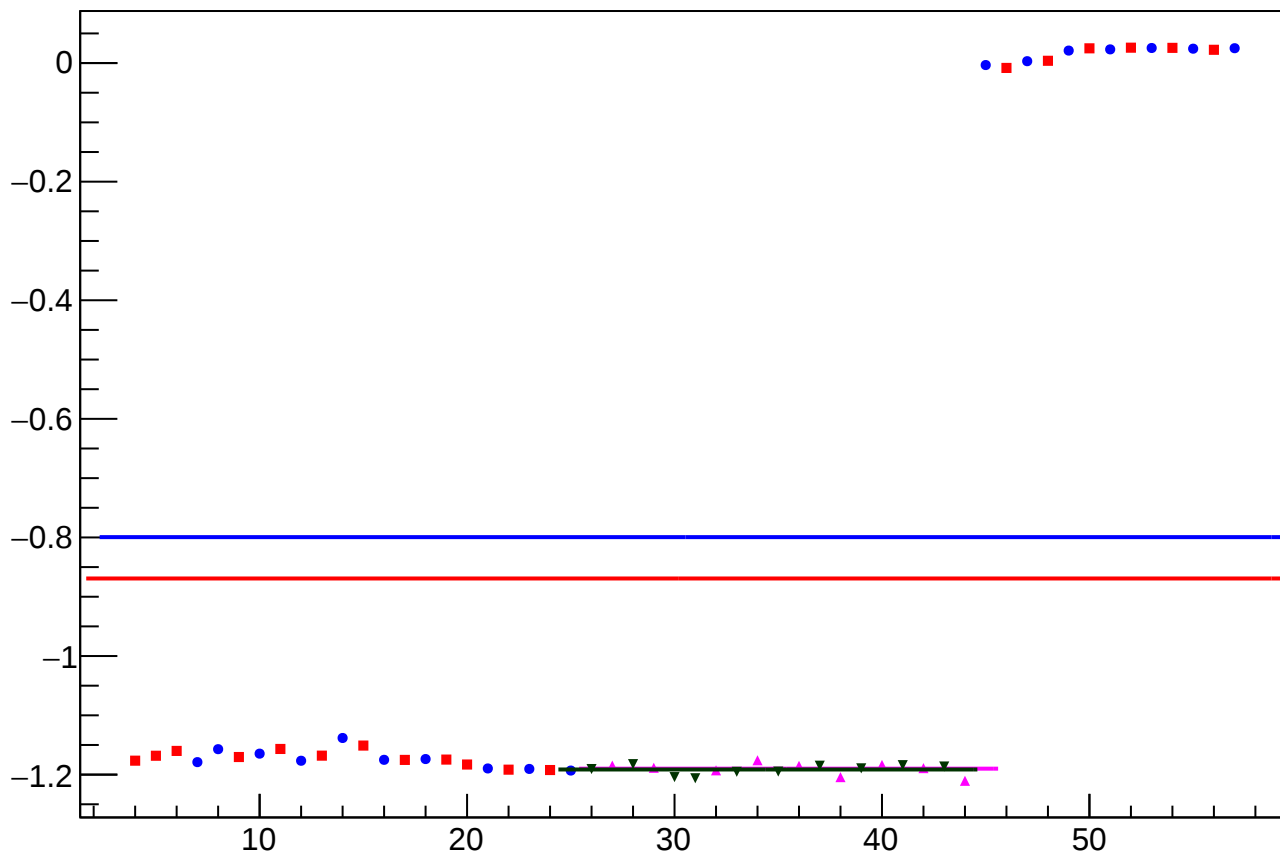
Right Out: 0.003+/-0.000 χ^2/NDF : 476105.6/17

Left In: 0.003+/-0.000 χ^2/NDF :16488.2/8

0.003+/-0.000 χ^2/NDF : 676557.2/26

0.003+/-0.000 χ^2/NDF : 502904.5/26

yield_bpm2i01X_mean vs slug



Right In: -0.799+/-0.000 χ^2/NDF : 56408052159.7/16

Left Out: -1.191+/-0.000 χ^2/NDF : 4812748.3/9

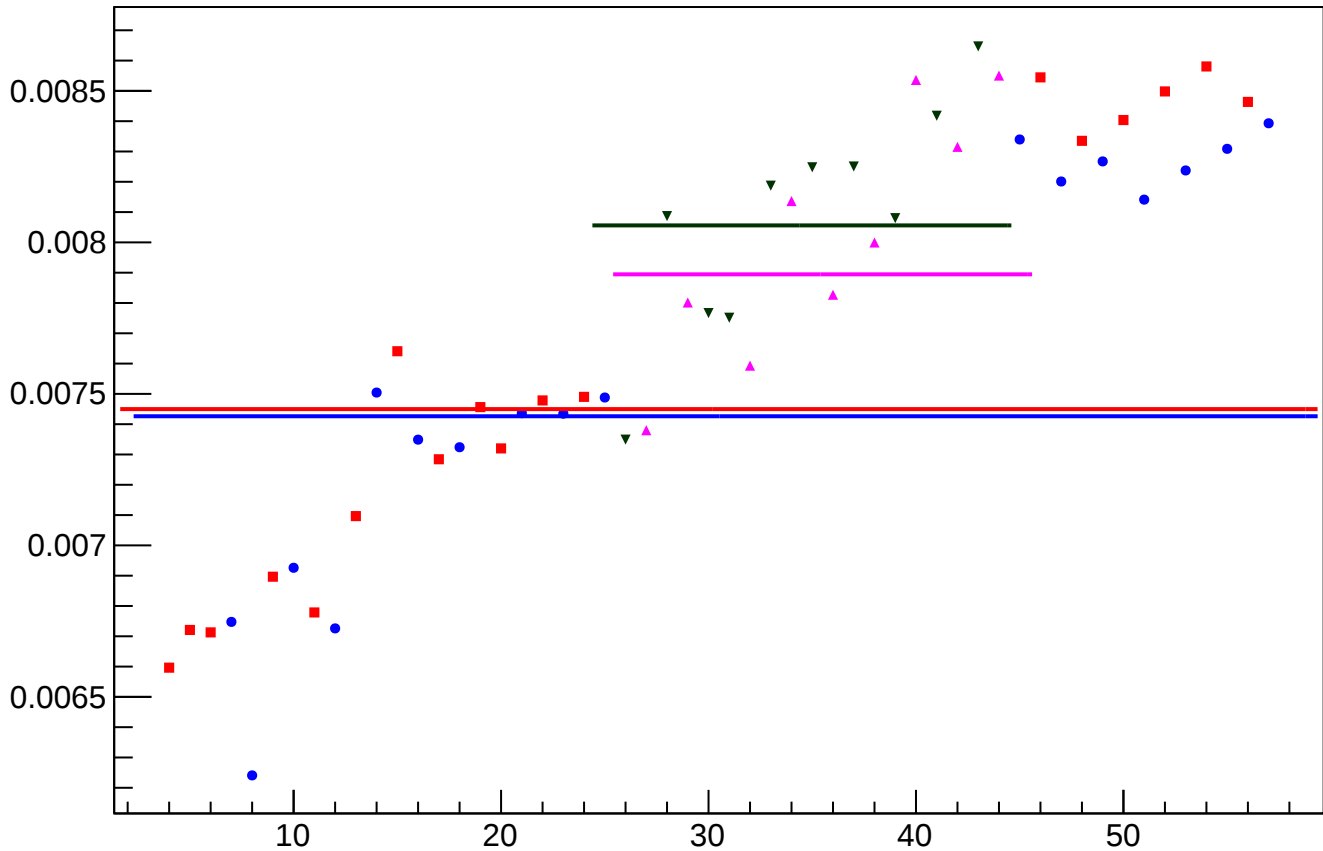
Right Out: -0.869+/-0.000 χ^2/NDF : 44955868437.9/17

Left In: -1.190+/-0.000 χ^2/NDF : 6924812.0/8

-0.918+/-0.000 χ^2/NDF : 65083395169.3/26

-0.980+/-0.000 χ^2/NDF : 50934221889.2/26

yield_bpm2i01X_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 176302.7/16

Left Out: 0.008+/-0.000 χ^2/NDF :19479.9/9

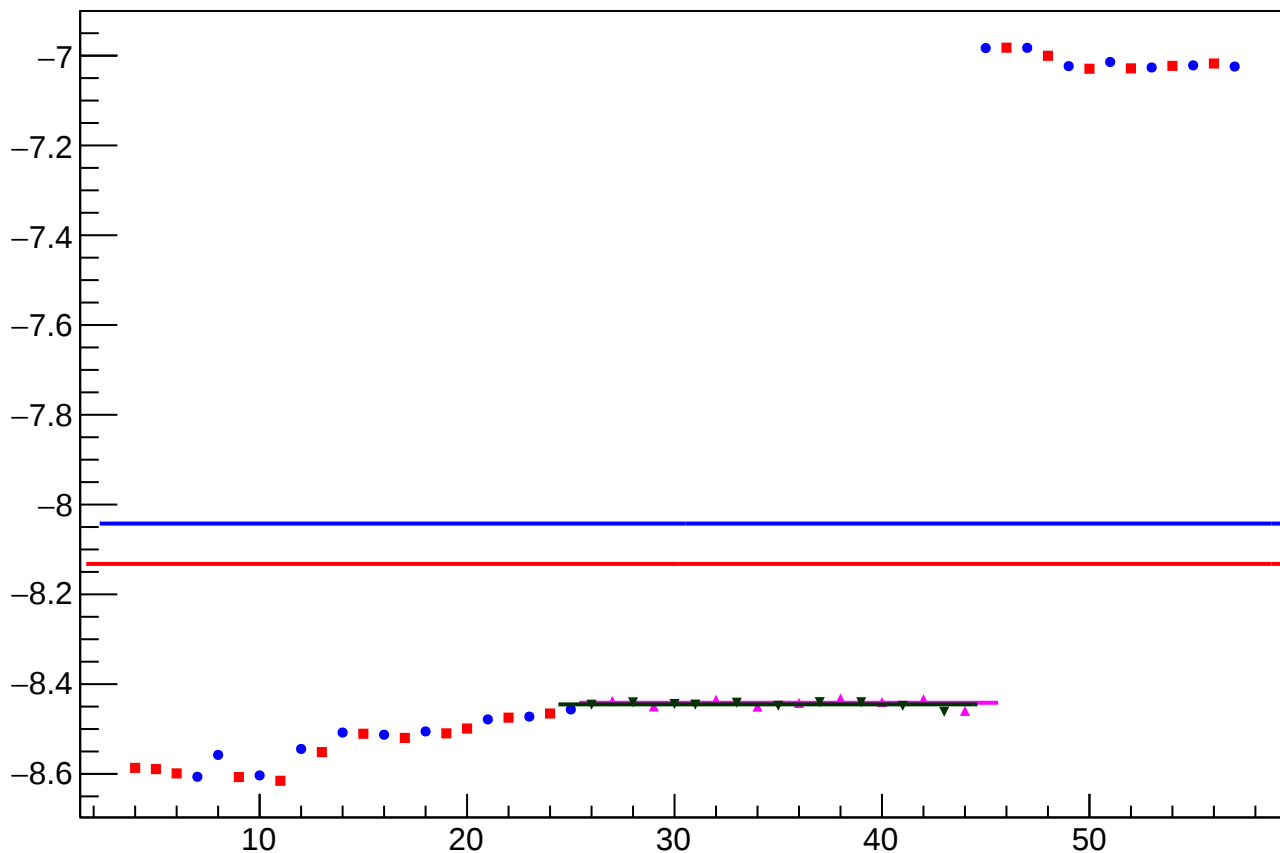
Right Out: 0.007+/-0.000 χ^2/NDF : 148099.4/17

Left In: 0.008+/-0.000 χ^2/NDF :26175.0/8

0.008+/-0.000 χ^2/NDF : 240587.7/26

0.008+/-0.000 χ^2/NDF : 197239.0/26

yield_bpm2i01Y_mean vs slug



Right In: -8.042+/-0.000 χ^2/NDF : 103884191070.0/16

Left Out: -8.445+/-0.000 χ^2/NDF : 3367094.4/9

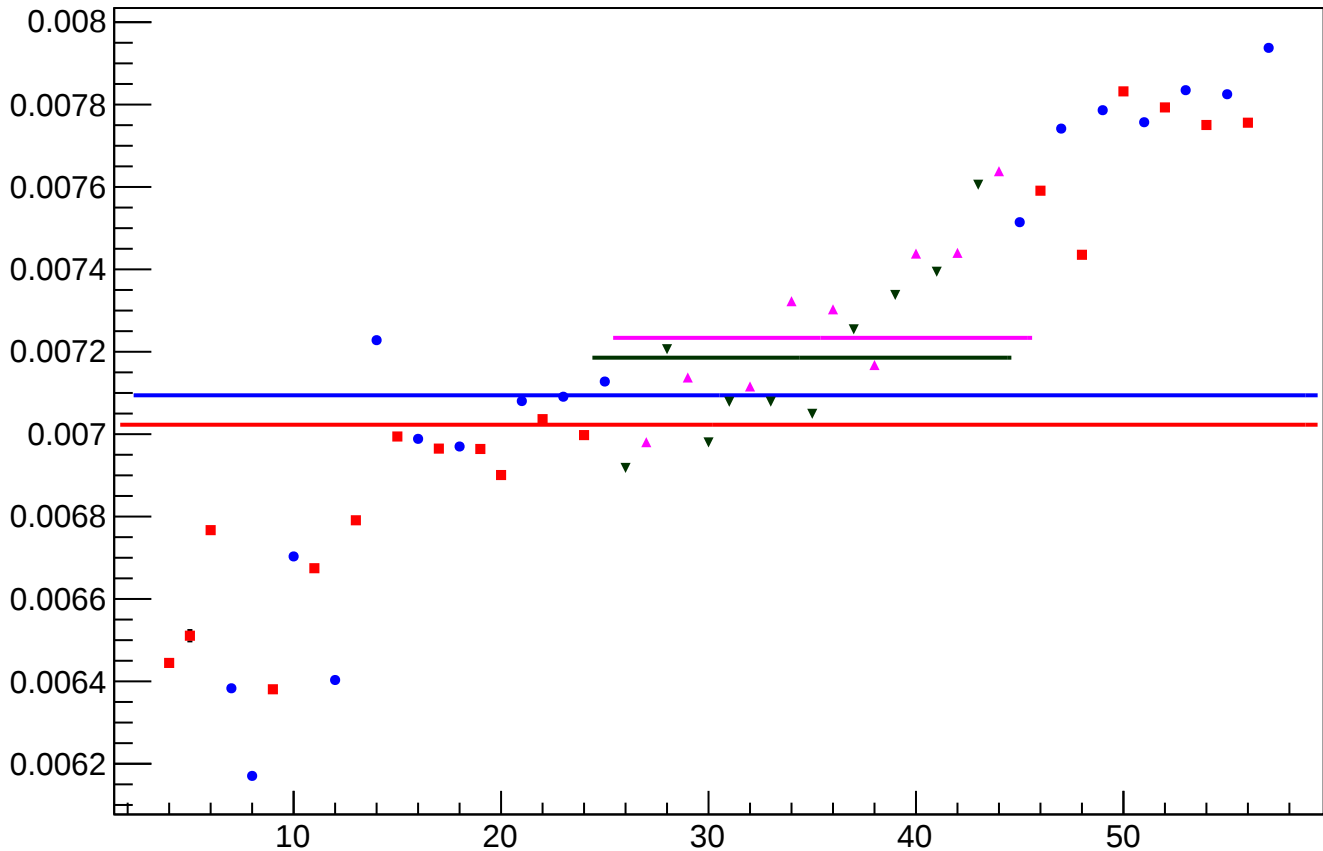
Right Out: -8.132+/-0.000 χ^2/NDF : 89258180682.0/17

Left In: -8.441+/-0.000 χ^2/NDF : 7266938.1/8

-8.177+/-0.000 χ^2/NDF : 115083263447.4/26

-8.244+/-0.000 χ^2/NDF : 95851014767.2/26

yield_bpm2i01Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 128952.7/16

Left Out: 0.007+/-0.000 χ^2/NDF : 7631.6/9

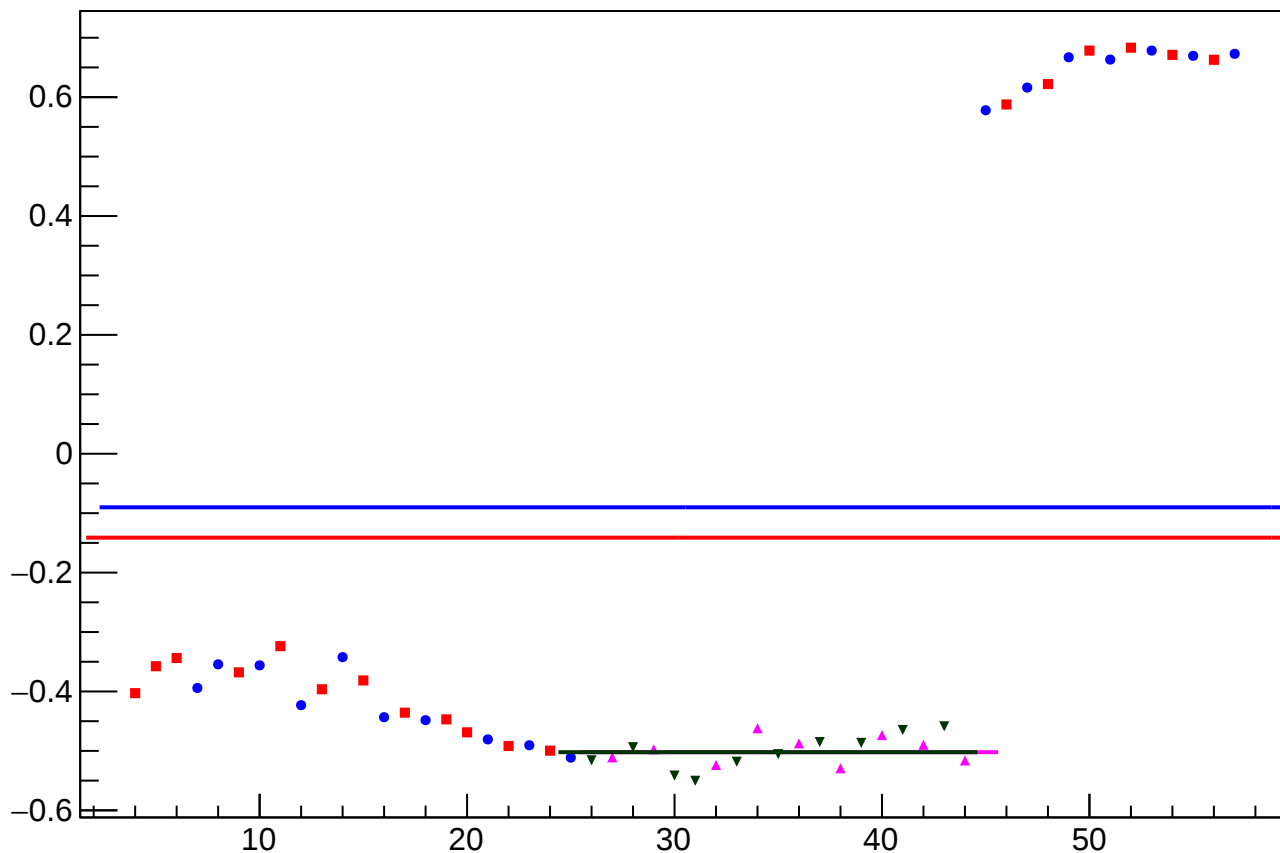
Right Out: 0.007+/-0.000 χ^2/NDF : 79729.1/17

Left In: 0.007+/-0.000 χ^2/NDF : 7802.2/8

0.007+/-0.000 χ^2/NDF : 137735.0/26

0.007+/-0.000 χ^2/NDF : 93653.8/26

yield_bpm2i02X_mean vs slug



Right In: -0.090+/-0.000 χ^2/NDF : 6898568916.6/16

Left Out: -0.502+/-0.000 χ^2/NDF : 9337230.3/9

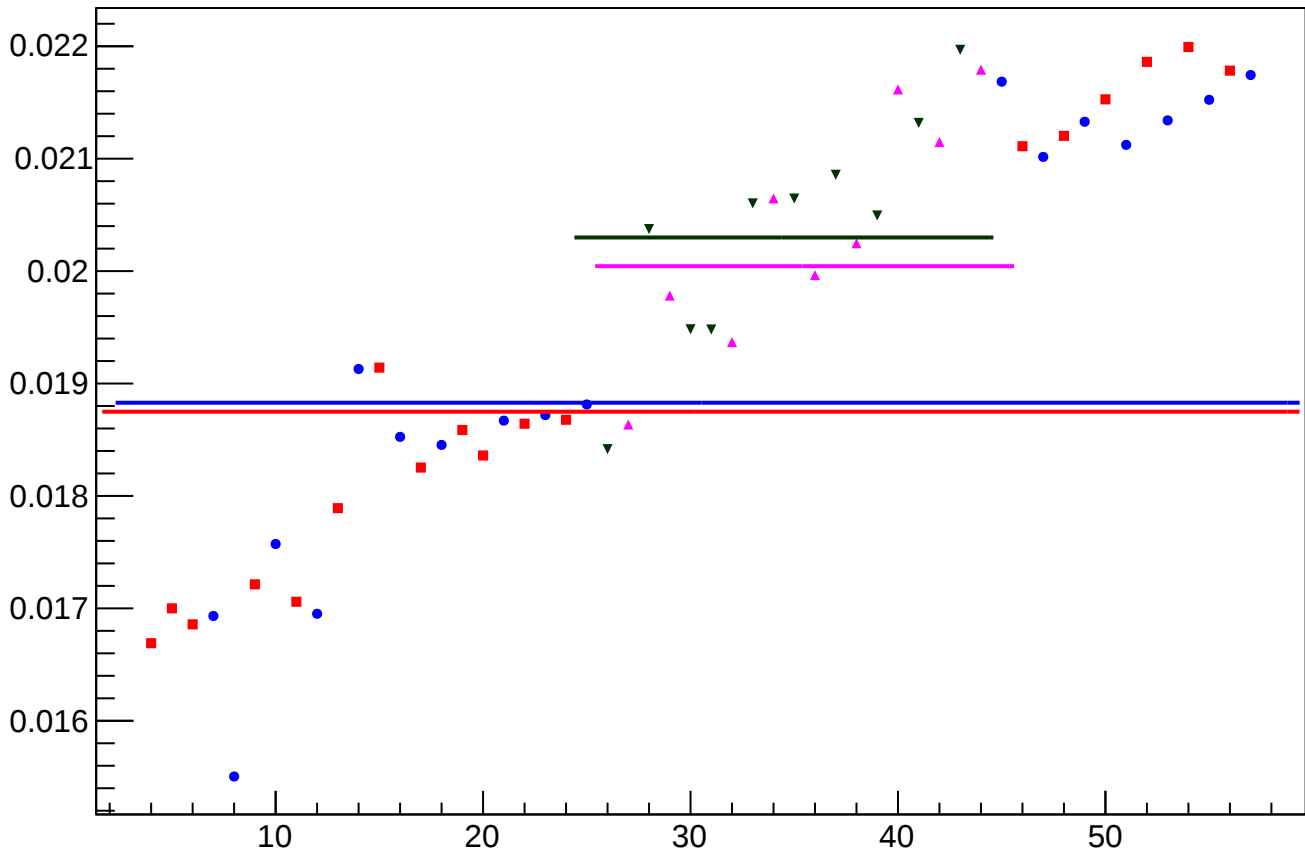
Right Out: -0.141+/-0.000 χ^2/NDF : 5575729370.8/17

Left In: -0.502+/-0.000 χ^2/NDF : 5607835.8/8

-0.216+/-0.000 χ^2/NDF : 8414109979.7/26

-0.265+/-0.000 χ^2/NDF : 6763562334.7/26

yield_bpm2i02X_rms vs slug



Right In: 0.019+/-0.000 χ^2/NDF : 230148.5/16

Left Out: 0.020+/-0.000 χ^2/NDF :22702.3/9

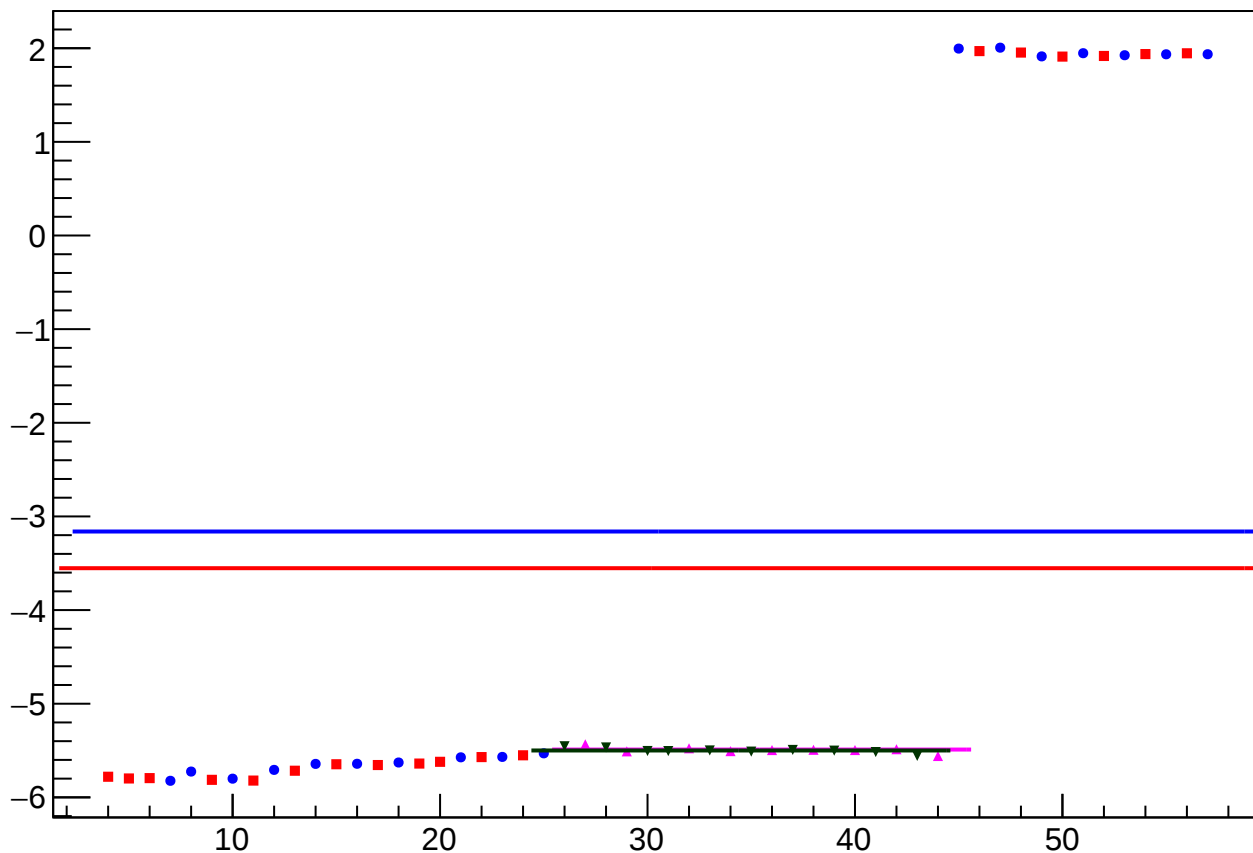
0.019+/-0.000 χ^2/NDF : 291178.8/26

Right Out: 0.019+/-0.000 χ^2/NDF : 166717.6/17

0.019+/-0.000 χ^2/NDF : 224412.8/26

Left In: 0.020+/-0.000 χ^2/NDF :27295.1/8

yield_bpm2i02Y_mean vs slug



Right In: -3.161+/-0.000 χ^2/NDF : 878609762057.0/16

Left Out: -5.499+/-0.000 χ^2/NDF : 23863148.1/9

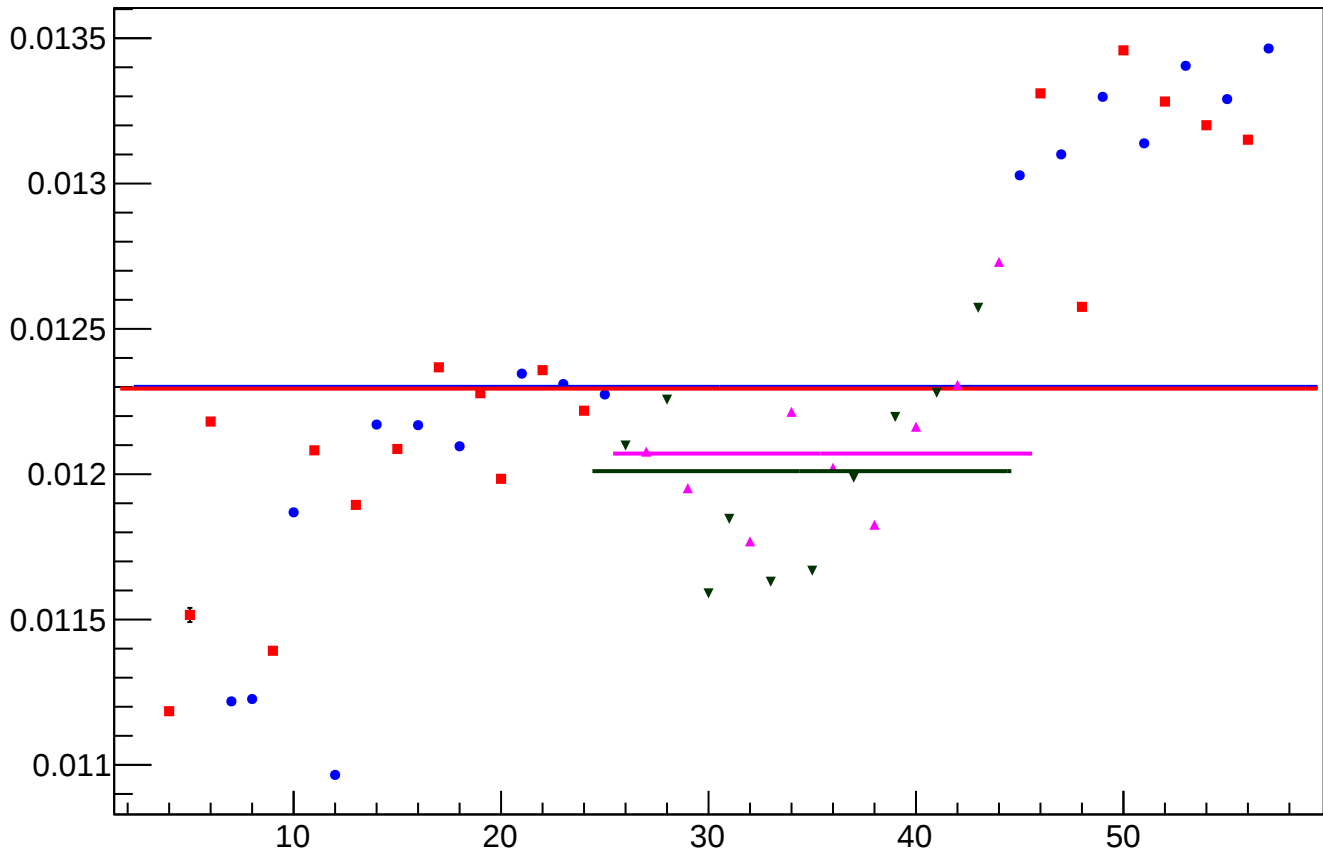
Right Out: -3.553+/-0.000 χ^2/NDF : 731981834998.2/17

Left In: -5.490+/-0.000 χ^2/NDF : 37957034.6/8

-3.983+/-0.000 χ^2/NDF : 1010222108367.4/26

-4.298+/-0.000 χ^2/NDF : 821257686824.6/26

yield_bpm2i02Y_rms vs slug



Right In: 0.012+/-0.000 χ^2/NDF : 83397.6/16

Left Out: 0.012+/-0.000 χ^2/NDF : 6913.8/9

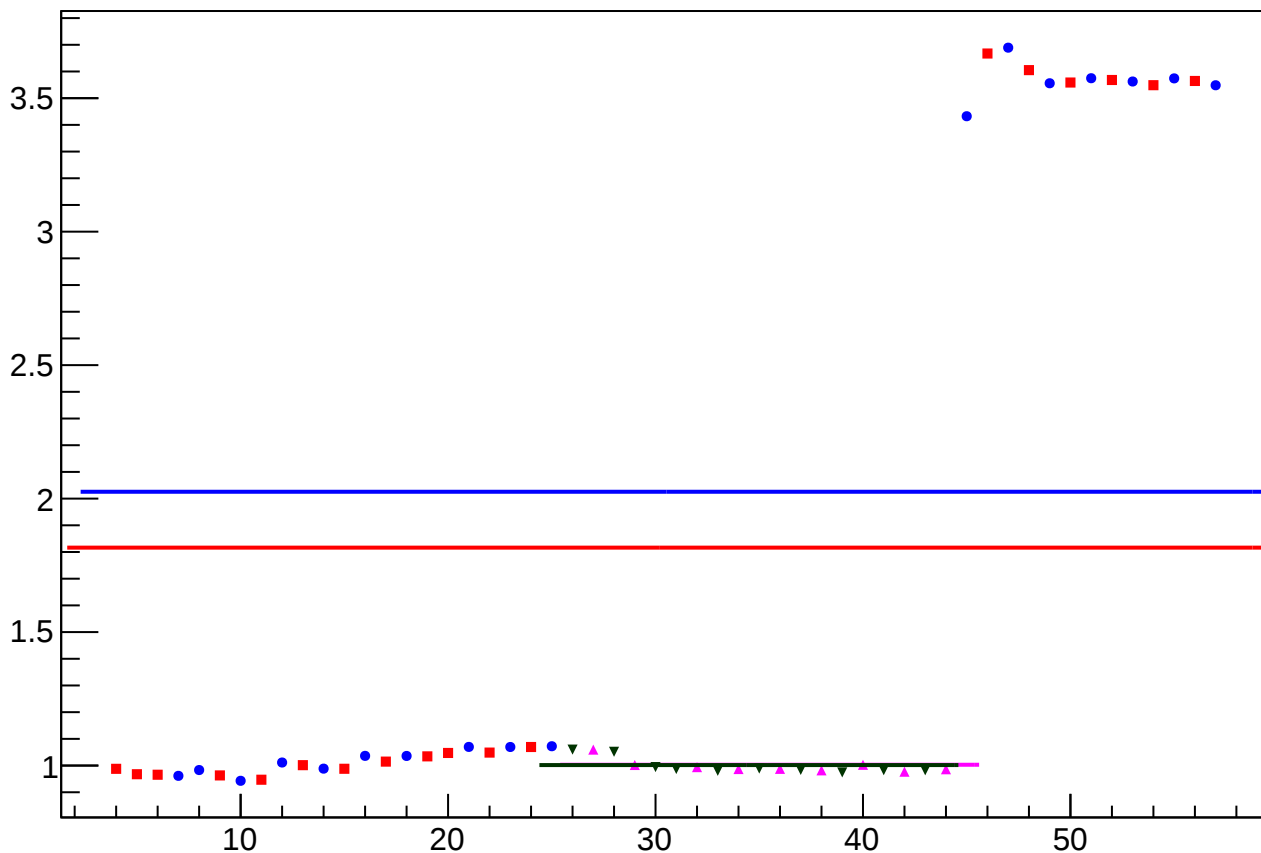
0.012+/-0.000 χ^2/NDF : 94357.5/26

Right Out: 0.012+/-0.000 χ^2/NDF : 50651.9/17

0.012+/-0.000 χ^2/NDF : 58157.9/26

Left In: 0.012+/-0.000 χ^2/NDF : 5130.3/8

yield_bpm1i04X_mean vs slug



Right In: 2.026+/-0.000 χ^2/NDF : 266129119826.2/16

Left Out: 1.002+/-0.000 χ^2/NDF : 93267140.0/9

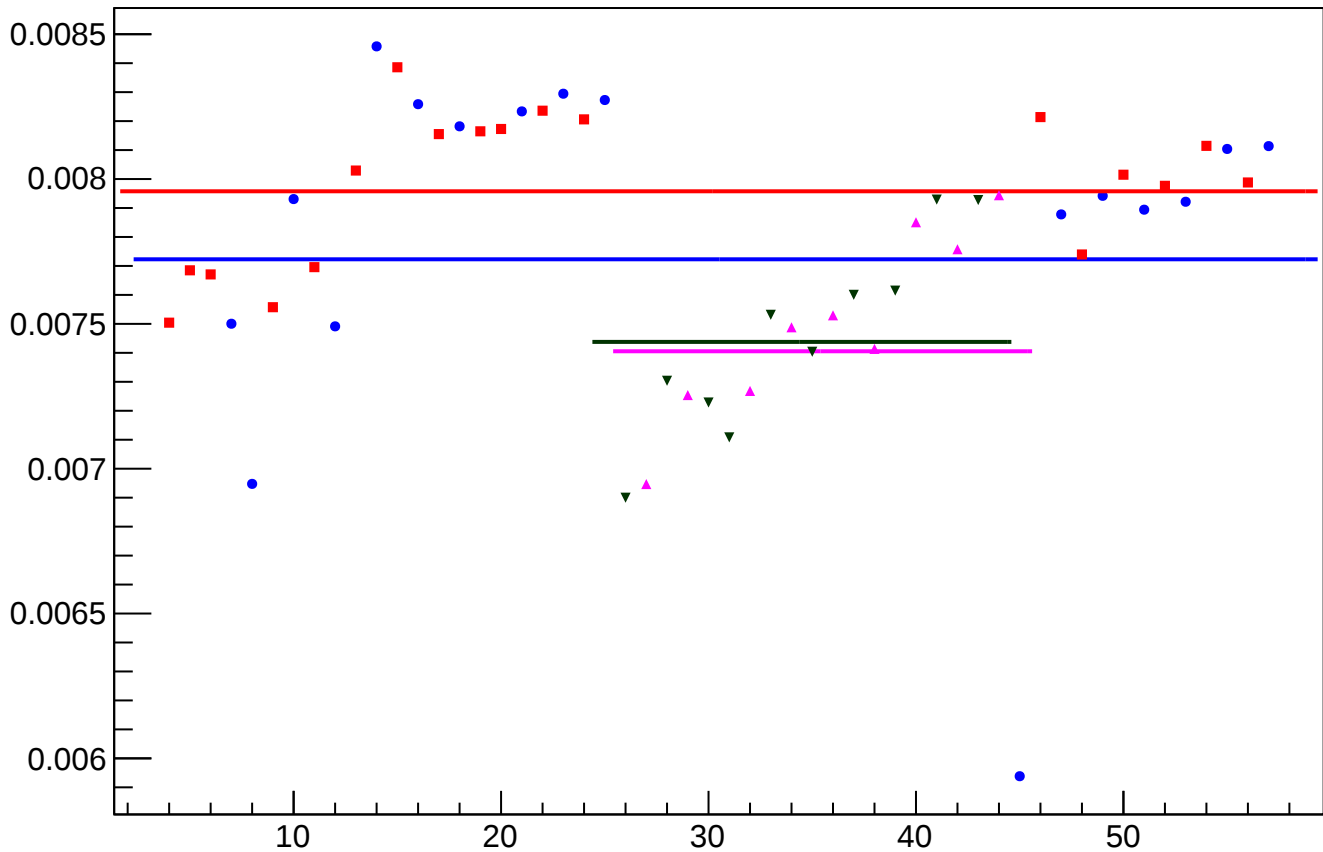
1.660+/-0.000 χ^2/NDF : 330606975766.2/26

Right Out: 1.816+/-0.000 χ^2/NDF : 213080093209.0/17

1.485+/-0.000 χ^2/NDF : 252850270242.3/26

Left In: 1.003+/-0.000 χ^2/NDF : 73816796.1/8

yield_bpm1i04X_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 177011.6/16

Left Out: 0.007+/-0.000 χ^2/NDF : 18100.0/9

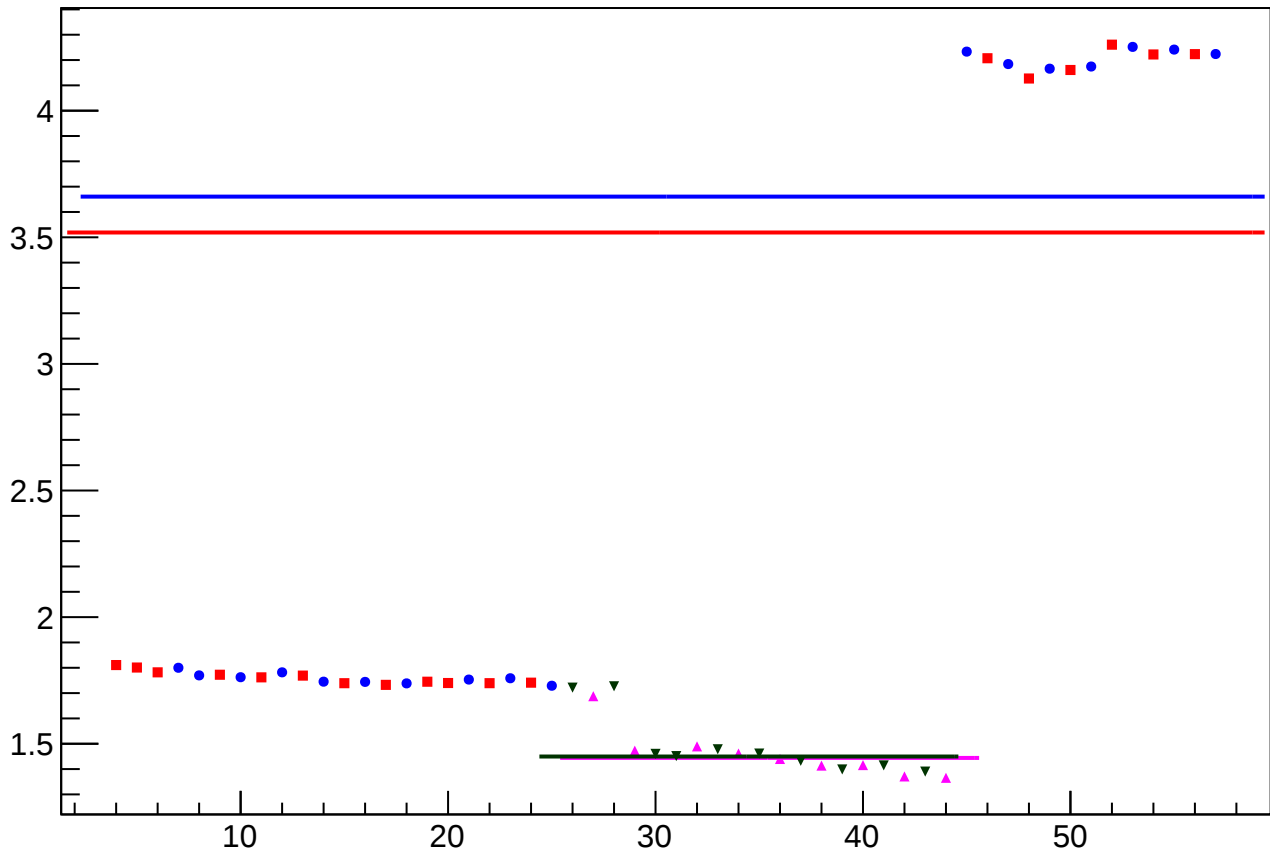
Right Out: 0.008+/-0.000 χ^2/NDF : 19643.6/17

Left In: 0.007+/-0.000 χ^2/NDF : 18945.2/8

0.008+/-0.000 χ^2/NDF : 205100.5/26

0.008+/-0.000 χ^2/NDF : 75197.6/26

yield_bpm1i04Y_mean vs slug



Right In: 3.661+/-0.000 χ^2/NDF : 482744881481.4/16

Left Out: 1.450+/-0.000 χ^2/NDF : 719591225.9/9

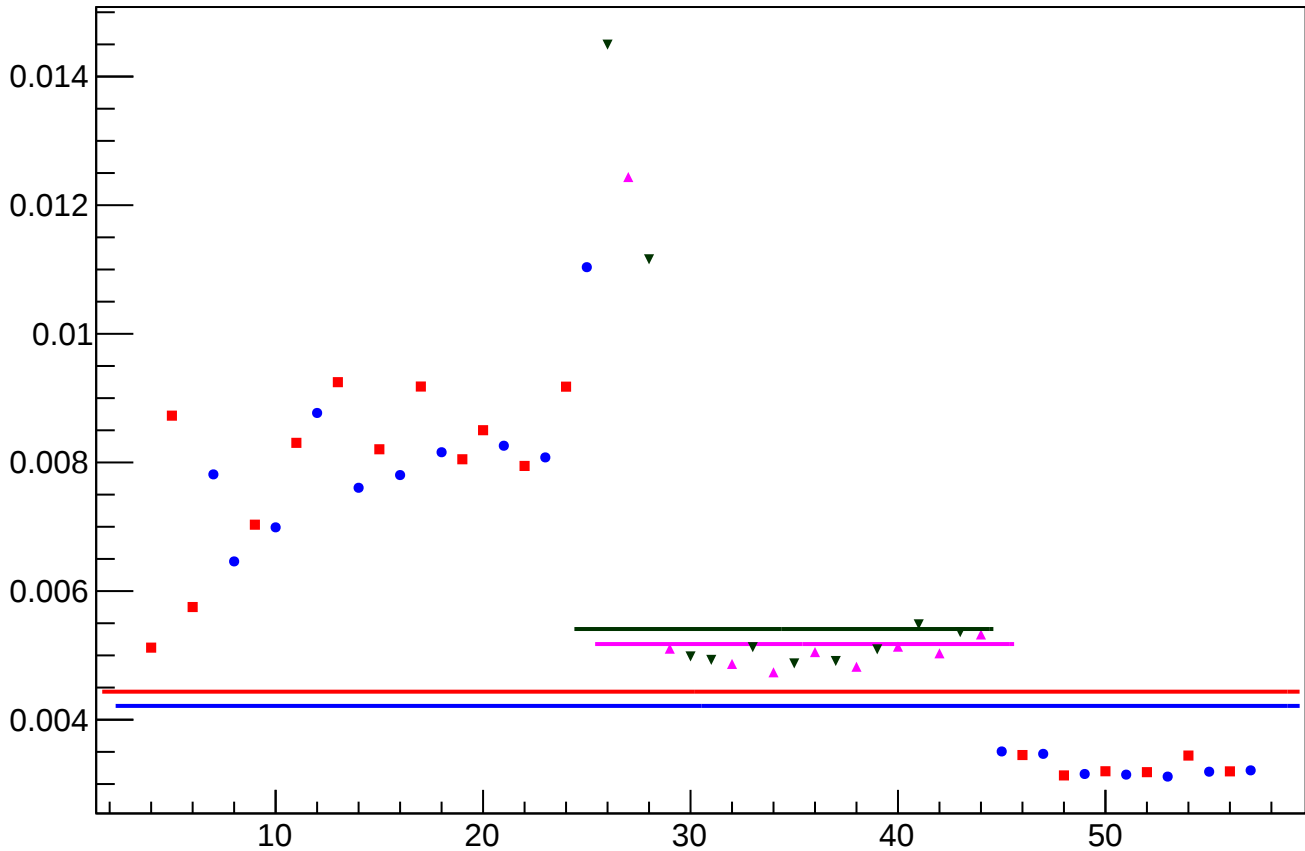
3.095+/-0.000 χ^2/NDF : 1063665757643.1/26

Right Out: 3.519+/-0.000 χ^2/NDF : 447709982460.9/17

2.826+/-0.000 χ^2/NDF : 987193269616.4/26

Left In: 1.444+/-0.000 χ^2/NDF : 633323170.8/8

yield_bpm1i04Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 3260052.6/16

Left Out: 0.005+/-0.000 χ^2/NDF : 753040.6/9

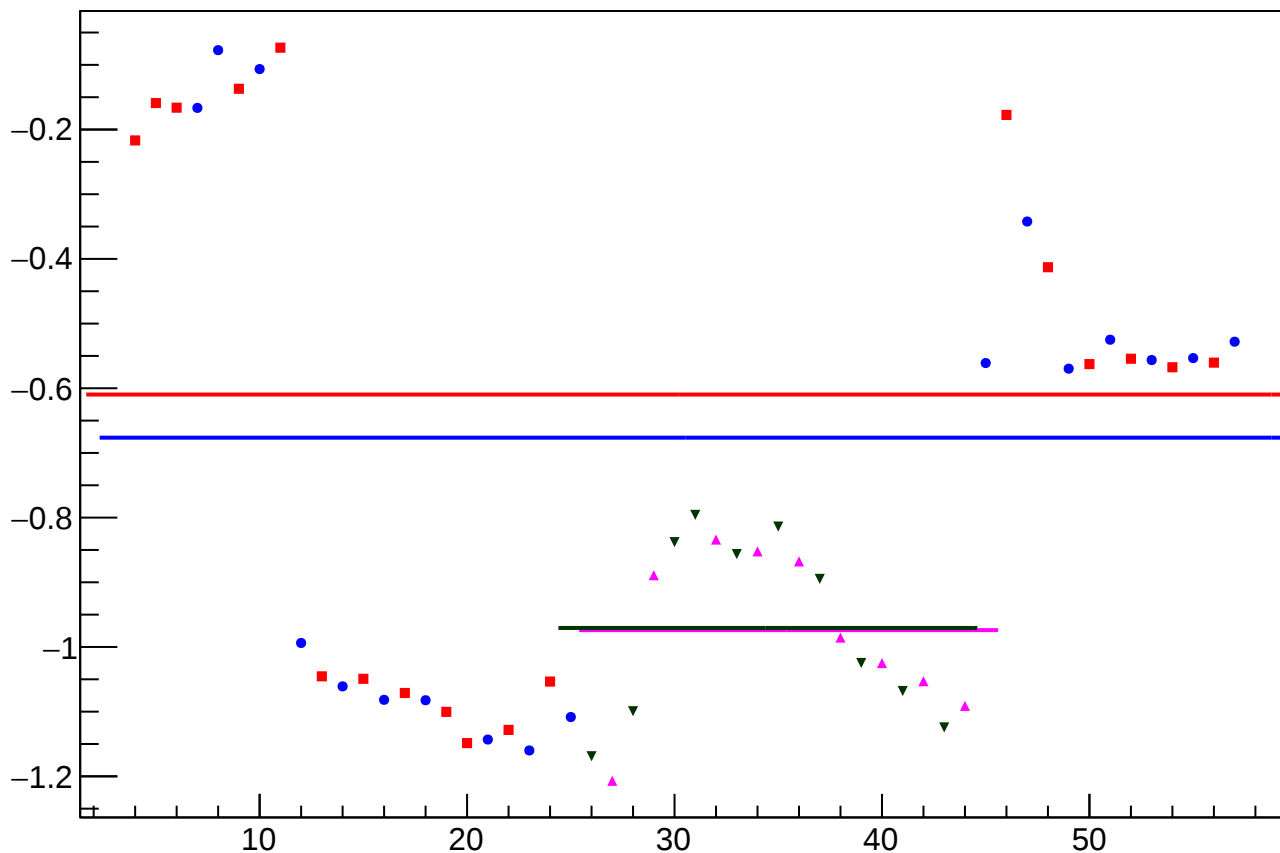
0.005+/-0.000 χ^2/NDF : 4352330.5/26

Right Out: 0.004+/-0.000 χ^2/NDF : 3138735.3/17

0.005+/-0.000 χ^2/NDF : 3790177.2/26

Left In: 0.005+/-0.000 χ^2/NDF : 514197.3/8

yield_bpm0l01X_mean vs slug



Right In: -0.676+/-0.000 χ^2/NDF : 18969060517.1/16

Left Out: -0.971+/-0.000 χ^2/NDF : 1156218036.6/9

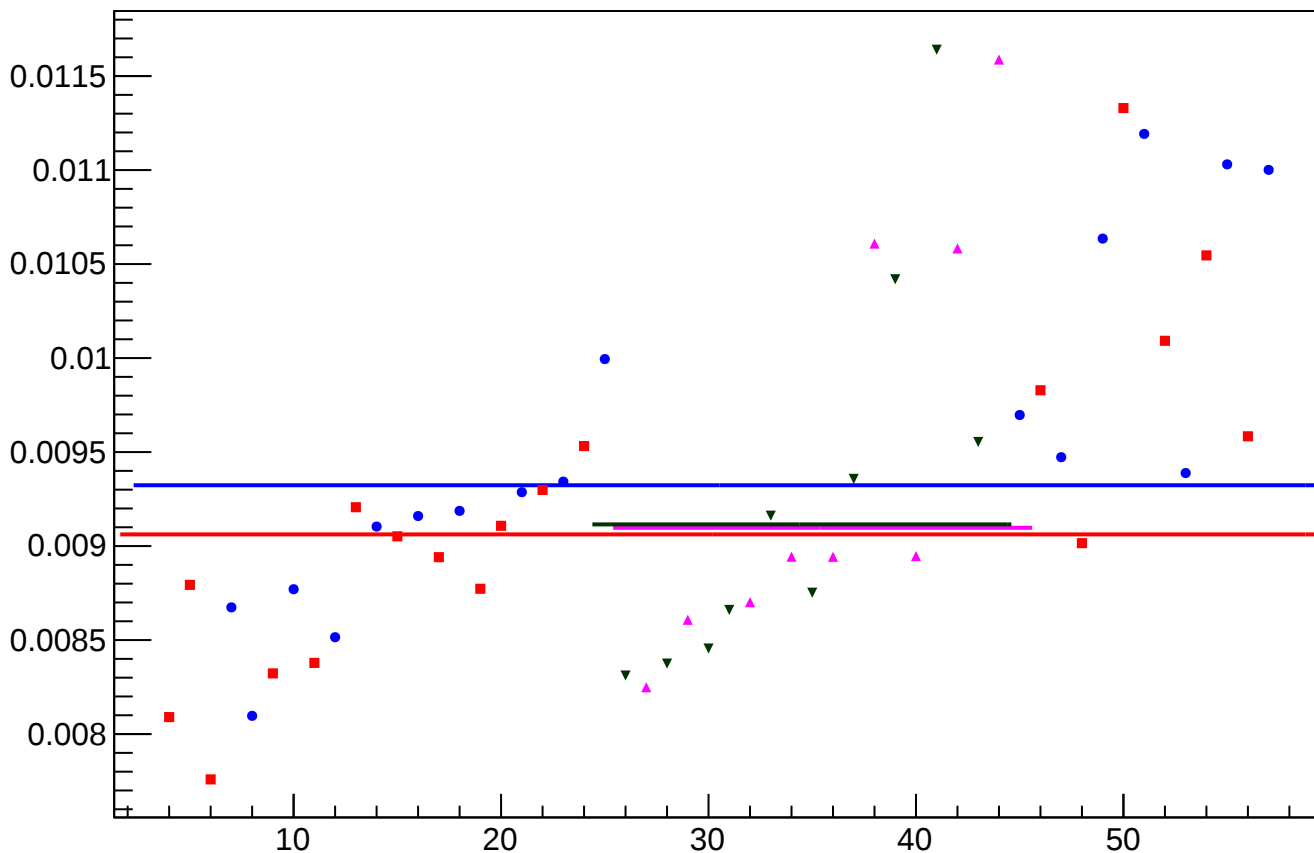
Right Out: -0.610+/-0.000 χ^2/NDF : 19197886405.6/17

Left In: -0.974+/-0.000 χ^2/NDF : 1225322966.4/8

-0.778+/-0.000 χ^2/NDF : 23624778480.9/26

-0.746+/-0.000 χ^2/NDF : 25935331818.6/26

yield_bpm0l01X_rms vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 165650.1/16

Left Out: 0.009+/-0.000 χ^2/NDF :104201.5/9

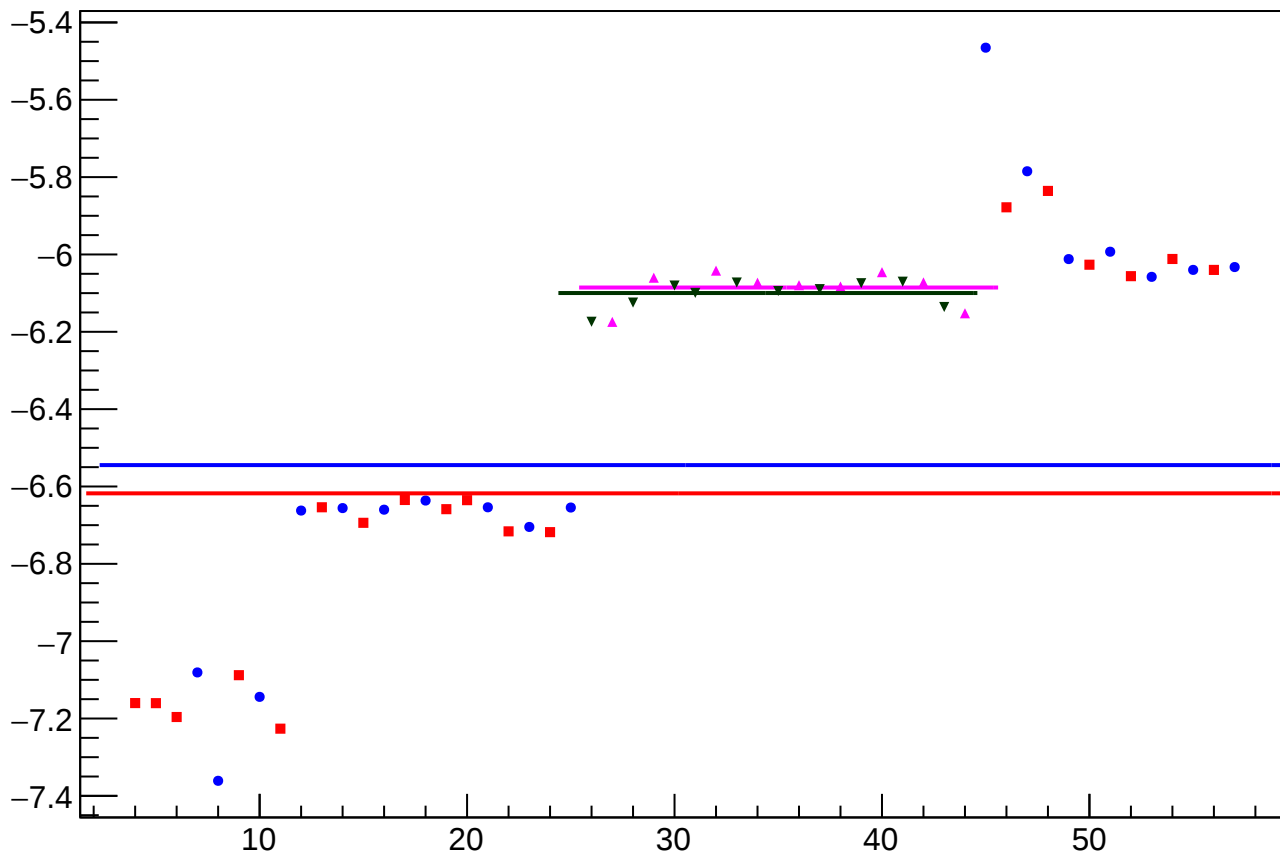
Right Out: 0.009+/-0.000 χ^2/NDF : 150133.4/17

Left In: 0.009+/-0.000 χ^2/NDF :115547.6/8

0.009+/-0.000 χ^2/NDF : 273359.3/26

0.009+/-0.000 χ^2/NDF : 265783.1/26

yield_bpm0l01Y_mean vs slug



Right In: -6.545+/-0.000 χ^2/NDF : 32264050988.4/16

Left Out: -6.100+/-0.000 χ^2/NDF : 52135577.5/9

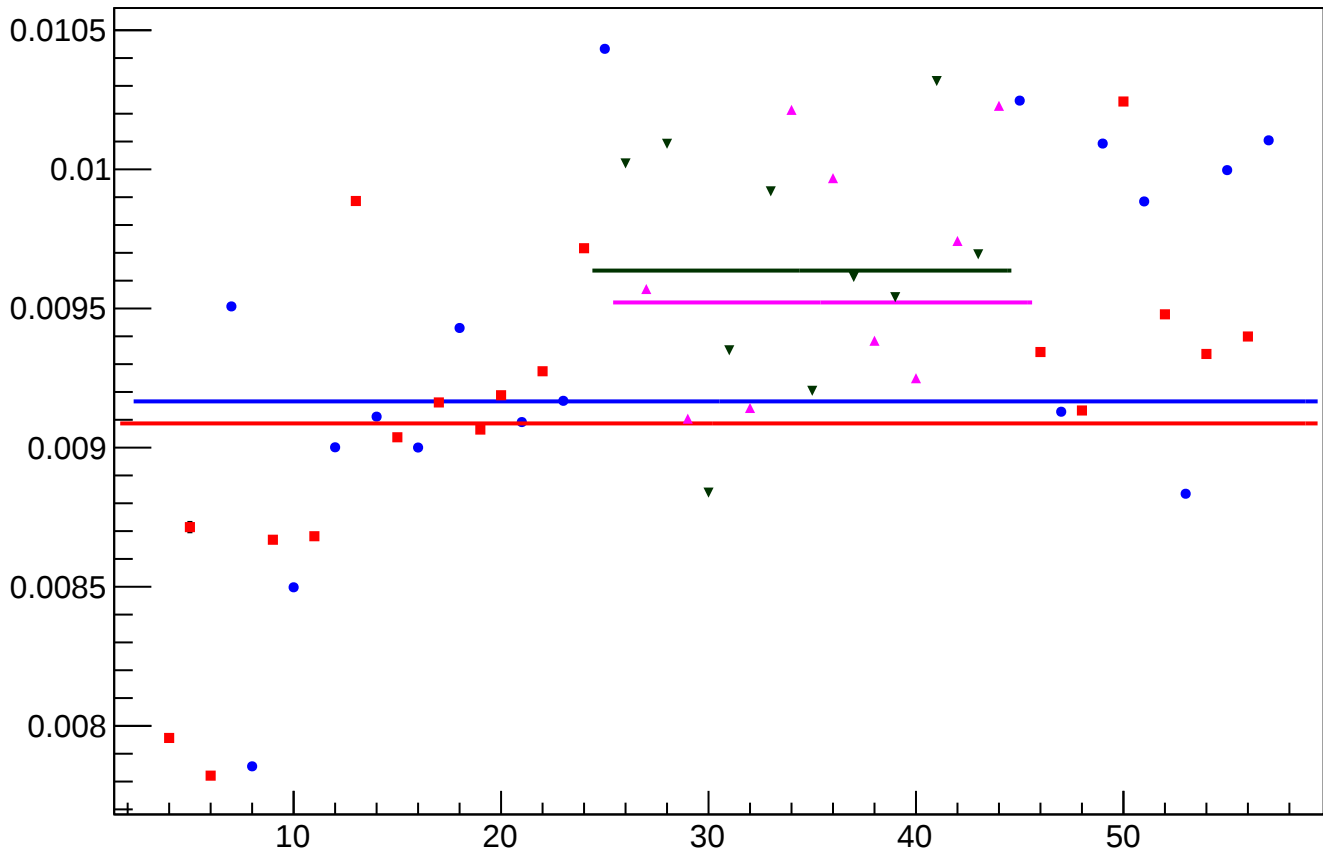
Right Out: -6.618+/-0.000 χ^2/NDF : 24317030856.2/17

Left In: -6.085+/-0.000 χ^2/NDF : 127997791.5/8

-6.404+/-0.000 χ^2/NDF : 39789236437.8/26

-6.428+/-0.000 χ^2/NDF : 35461885630.6/26

yield_bpm0l01Y_rms vs slug



Right In: 0.009 ± 0.000 χ^2/NDF : 116541.3/16

Left Out: 0.010 ± 0.000 χ^2/NDF : 21331.0/9

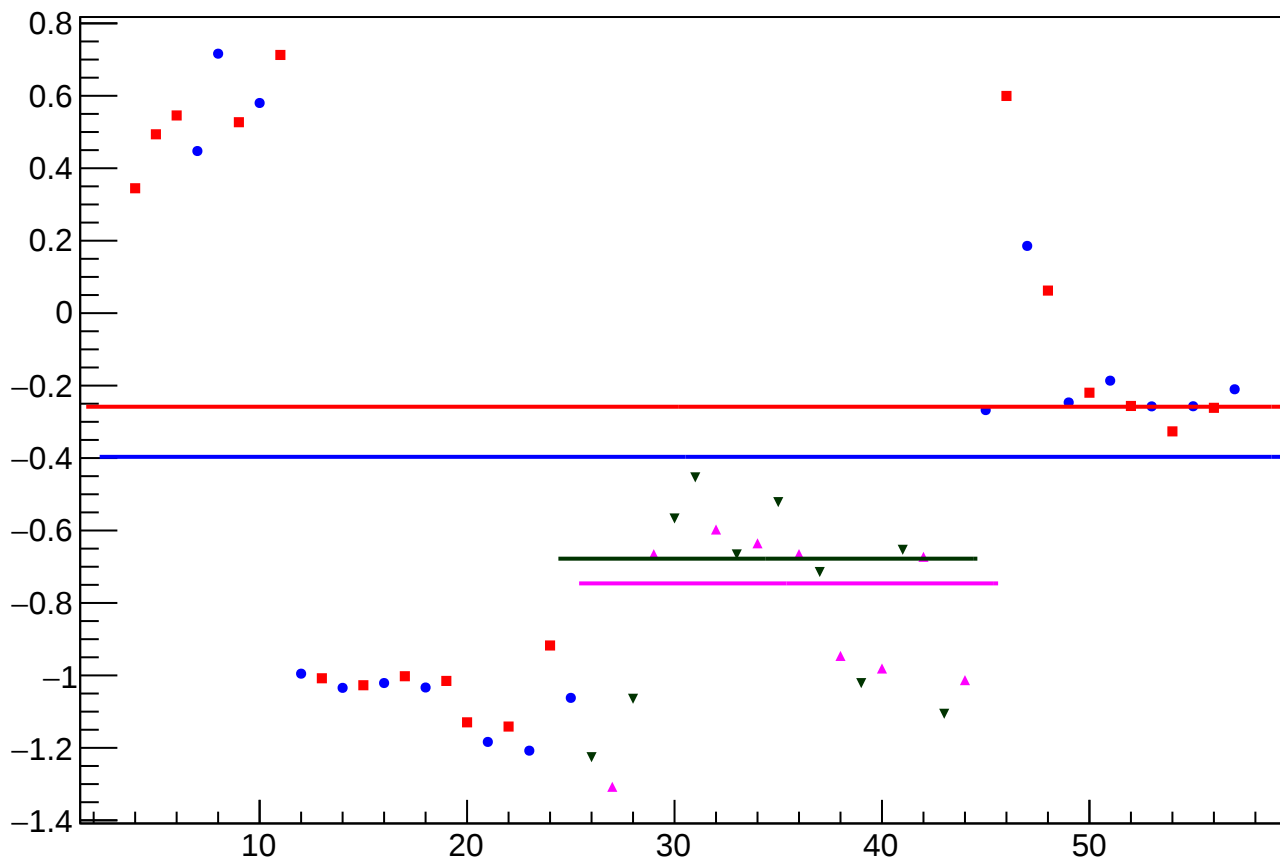
Right Out: 0.009 ± 0.000 χ^2/NDF : 82836.3/17

Left In: 0.010 ± 0.000 χ^2/NDF : 19294.1/8

0.009 ± 0.000 χ^2/NDF : 154555.5/26

0.009 ± 0.000 χ^2/NDF : 116828.1/26

yield_bpm0l02X_mean vs slug



Right In: -0.397 ± 0.000 χ^2/NDF : 10046512896.5/16

Left Out: -0.678 ± 0.000 χ^2/NDF : 1358570765.2/9

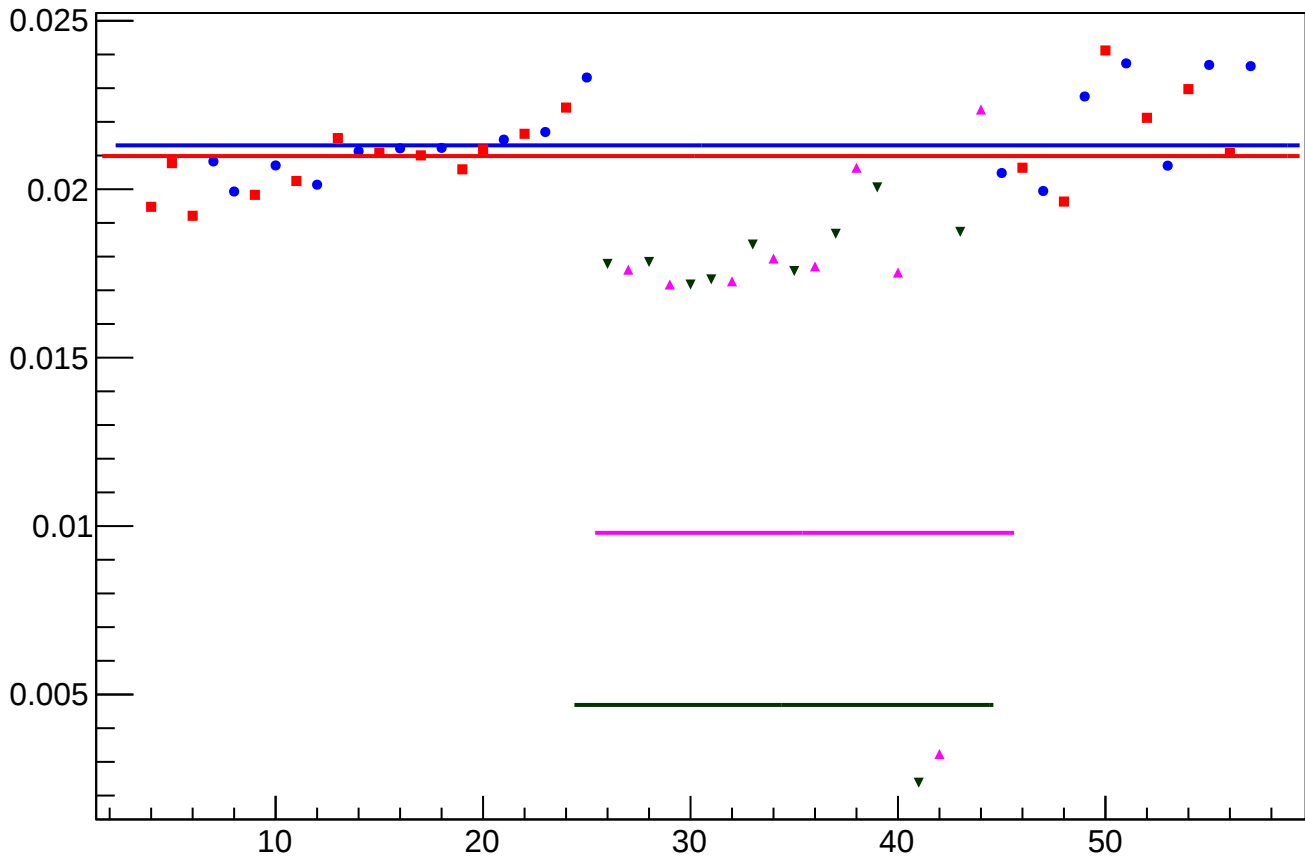
Right Out: -0.258 ± 0.000 χ^2/NDF : 10101240311.4/17

Left In: -0.746 ± 0.000 χ^2/NDF : 1268707812.5/8

-0.624 ± 0.000 χ^2/NDF : 12850212803.5/26

-0.562 ± 0.000 χ^2/NDF : 14477288594.2/26

yield_bpm0l02X_rms vs slug



Right In: 0.021+/-0.000 χ^2/NDF : 62865.7/16

Left Out: 0.005+/-0.000 χ^2/NDF : 5998219.6/9

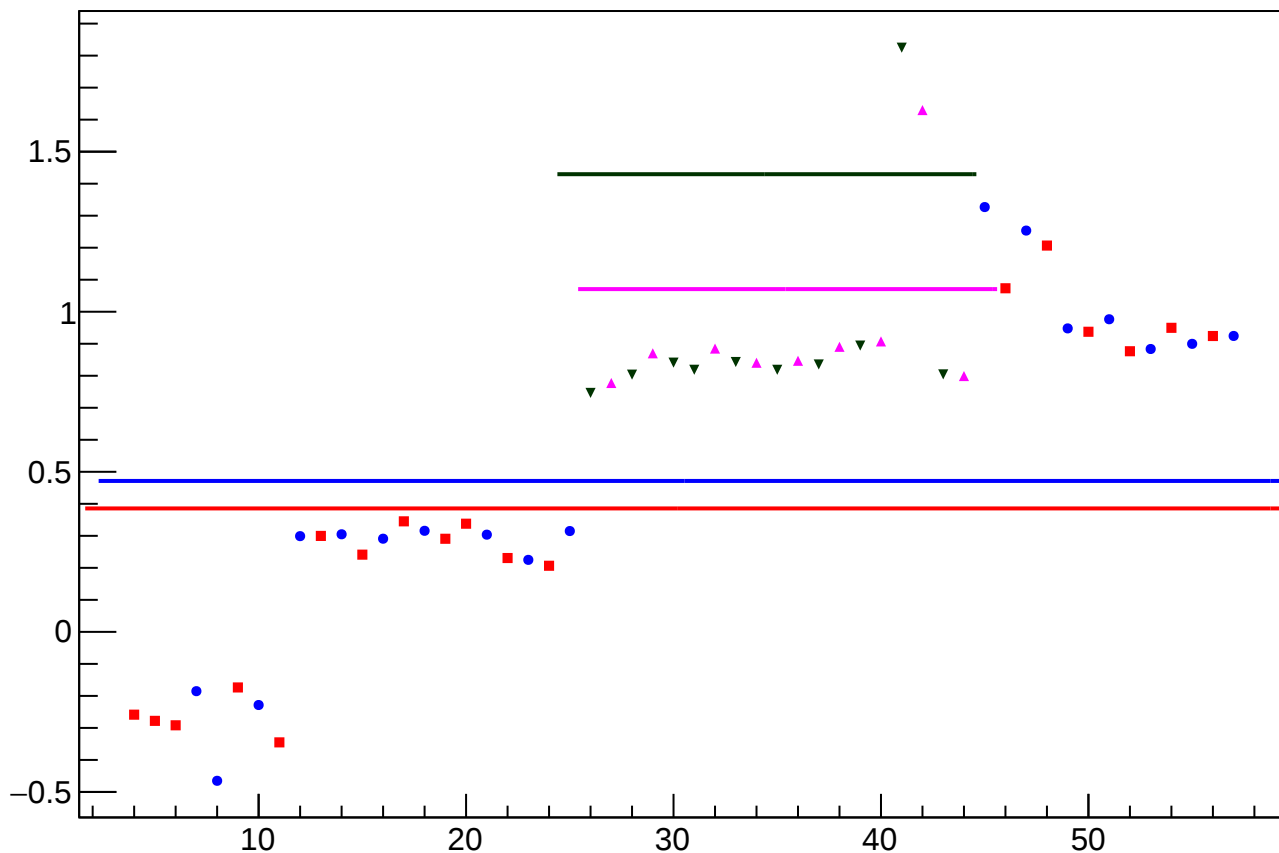
Right Out: 0.021+/-0.000 χ^2/NDF : 61323.3/17

Left In: 0.010+/-0.000 χ^2/NDF : 3818425.7/8

0.008+/-0.000 χ^2/NDF : 16154835.4/26

0.014+/-0.000 χ^2/NDF : 7148942.6/26

yield_bpm0l02Y_mean vs slug



Right In: 0.471+/-0.000 χ^2/NDF : 18235732460.2/16

Left Out: 1.430+/-0.000 χ^2/NDF : 20131817794.8/9

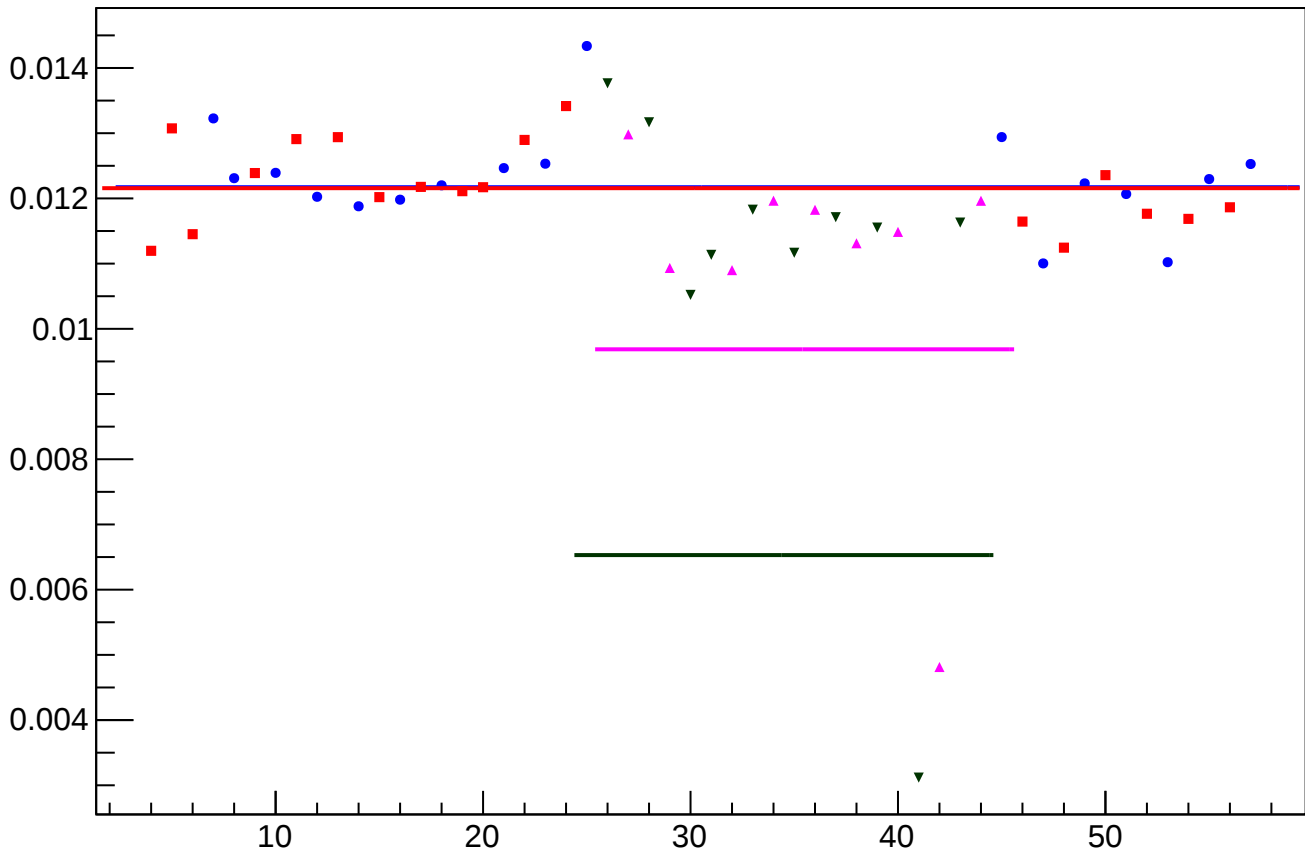
Right Out: 0.386+/-0.000 χ^2/NDF : 15628826761.2/17

Left In: 1.071+/-0.000 χ^2/NDF : 6285541515.9/8

1.000+/-0.000 χ^2/NDF : 73136923410.3/26

0.698+/-0.000 χ^2/NDF : 35112485181.4/26

yield_bpm0l02Y_rms vs slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 45597.3/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:3050338.6/9

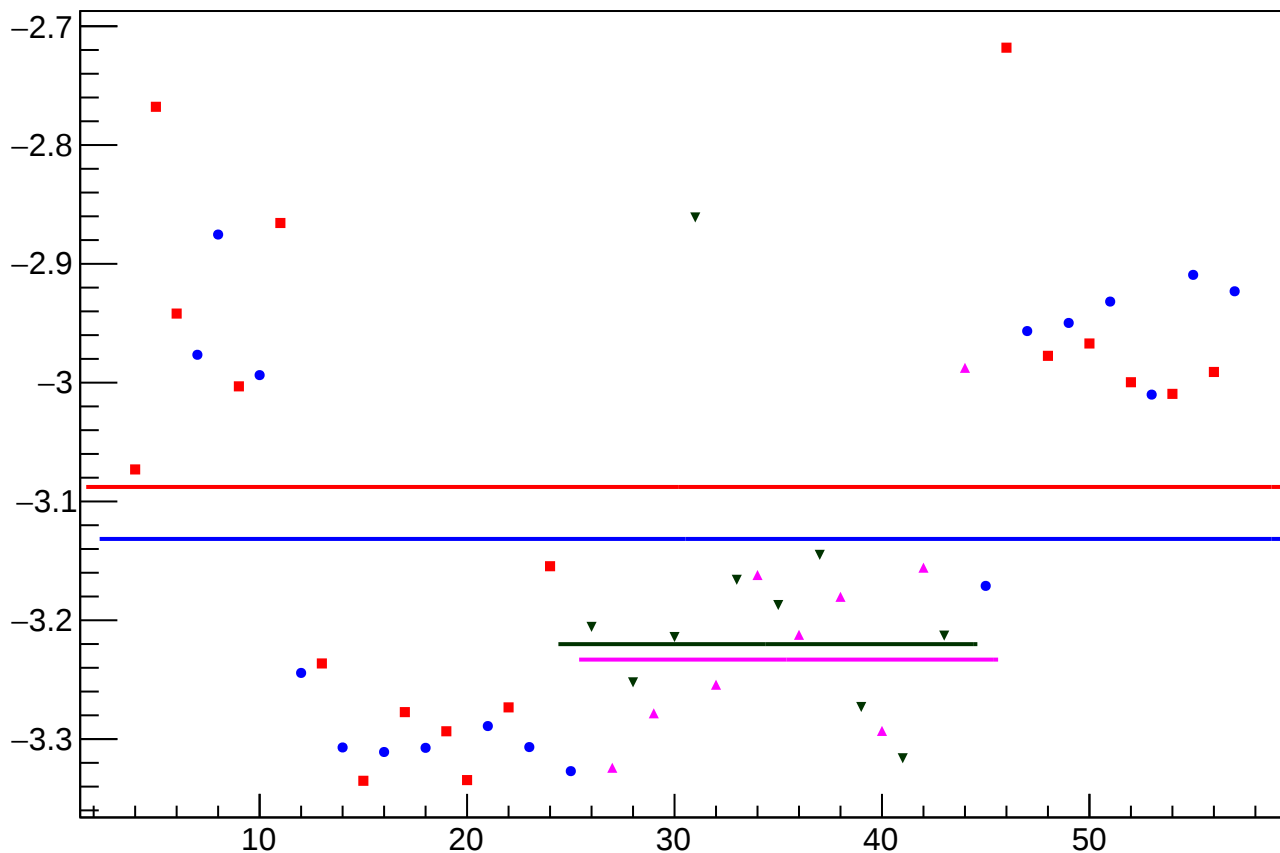
Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 47120.0/17

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:979026.7/8

0.009 $\pm$ 0.000 χ^2 /NDF: 5506627.2/26

0.011 $\pm$ 0.000 χ^2 /NDF: 1369517.9/26

yield_bpm0l03X_mean vs slug



Right In: -3.132+/-0.000 χ^2 /NDF: 4150685602.7/16

Left Out: -3.220+/-0.000 χ^2 /NDF: 428312091.3/9

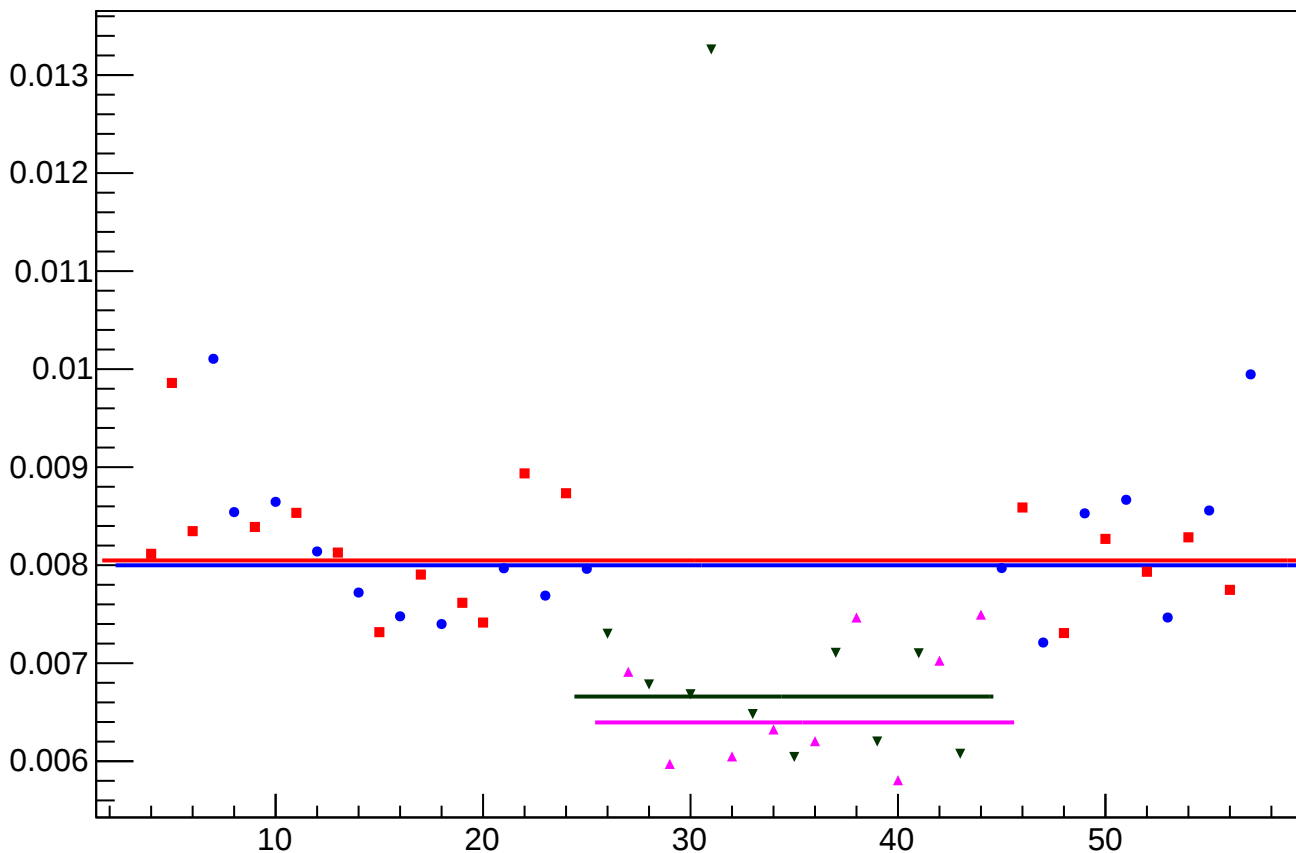
Right Out: -3.088+/-0.000 χ^2 /NDF: 3716767679.4/17

Left In: -3.233+/-0.000 χ^2 /NDF: 784509895.8/8

-3.169+/-0.000 χ^2 /NDF: 5030197526.1/26

-3.159+/-0.000 χ^2 /NDF: 5771904541.2/26

yield_bpm0l03X_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 93987.8/16

Left Out: 0.007+/-0.000 χ^2/NDF :169219.9/9

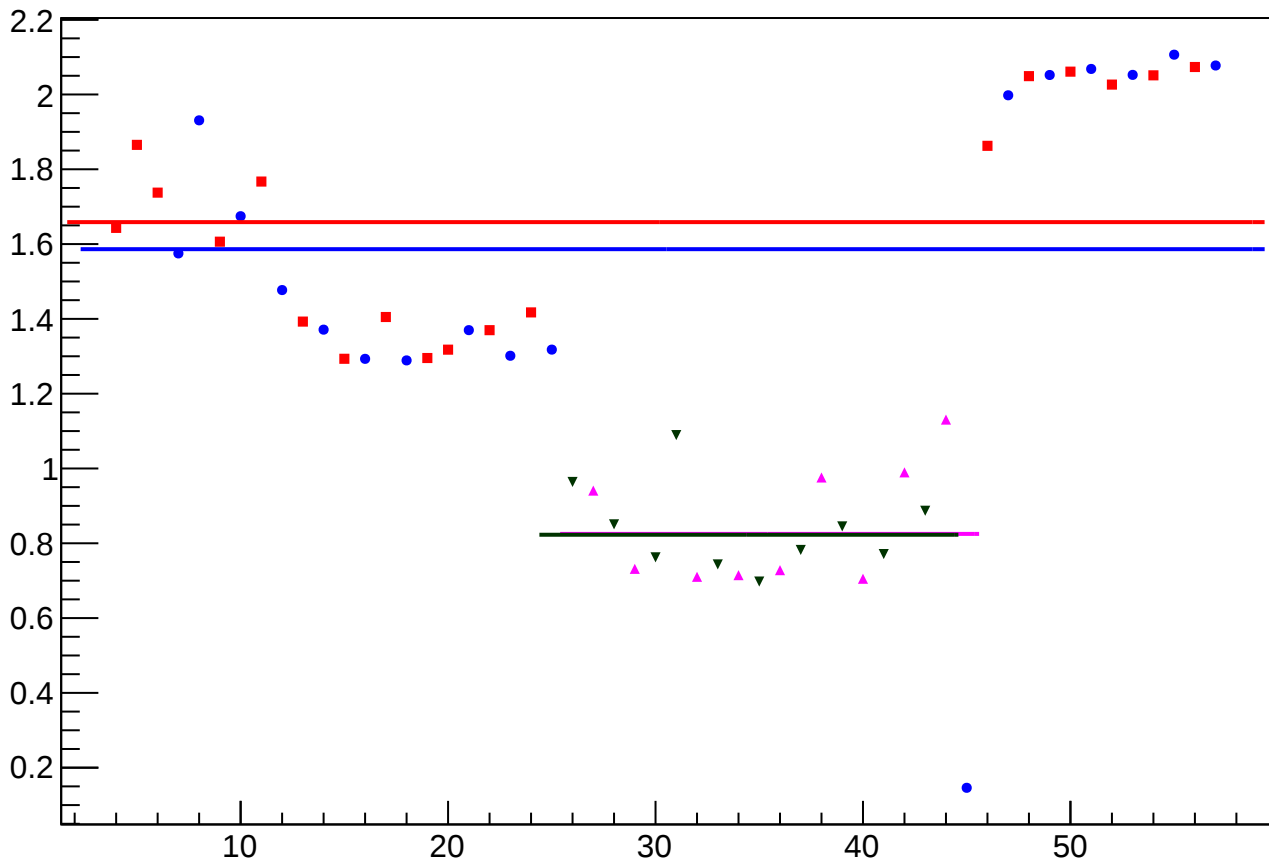
Right Out: 0.008+/-0.000 χ^2/NDF : 57506.2/17

Left In: 0.006+/-0.000 χ^2/NDF :72293.2/8

0.007+/-0.000 χ^2/NDF : 469533.9/26

0.007+/-0.000 χ^2/NDF : 458555.8/26

yield_bpm0l03Y_mean vs slug



Right In: 1.586 $\pm$ 0.000 χ^2 /NDF: 23906461690.3/16

Left Out: 0.823 $\pm$ 0.000 χ^2 /NDF:373202951.2/9

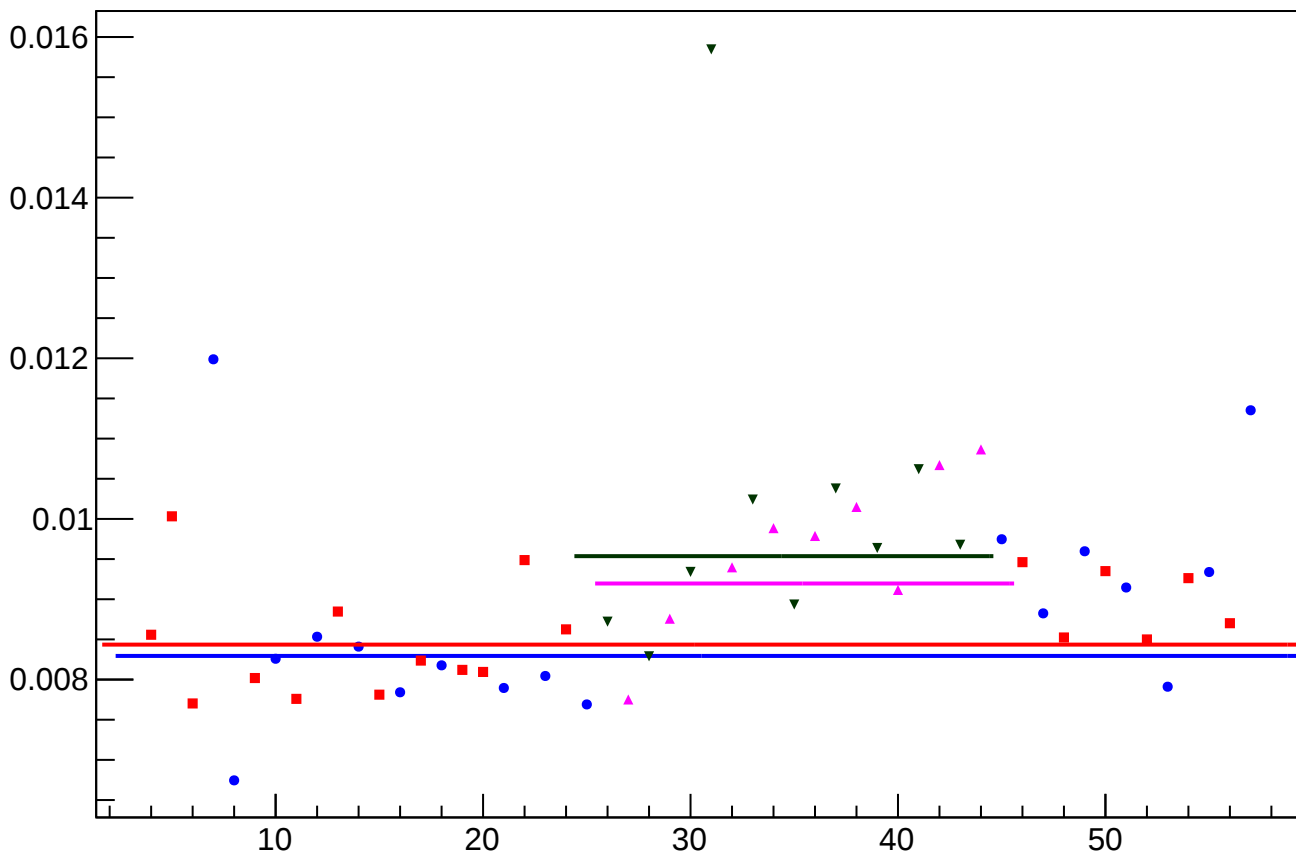
1.374 $\pm$ 0.000 χ^2 /NDF: 44528546397.0/26

Right Out: 1.659 $\pm$ 0.000 χ^2 /NDF: 9105466592.1/17

1.372 $\pm$ 0.000 χ^2 /NDF: 36240887340.0/26

Left In: 0.825 $\pm$ 0.000 χ^2 /NDF:1054829783.2/8

yield_bpm0l03Y_rms vs slug



Right In: 0.008+/-0.000 χ^2/NDF : 228860.7/16

Left Out: 0.010+/-0.000 χ^2/NDF :144258.2/9

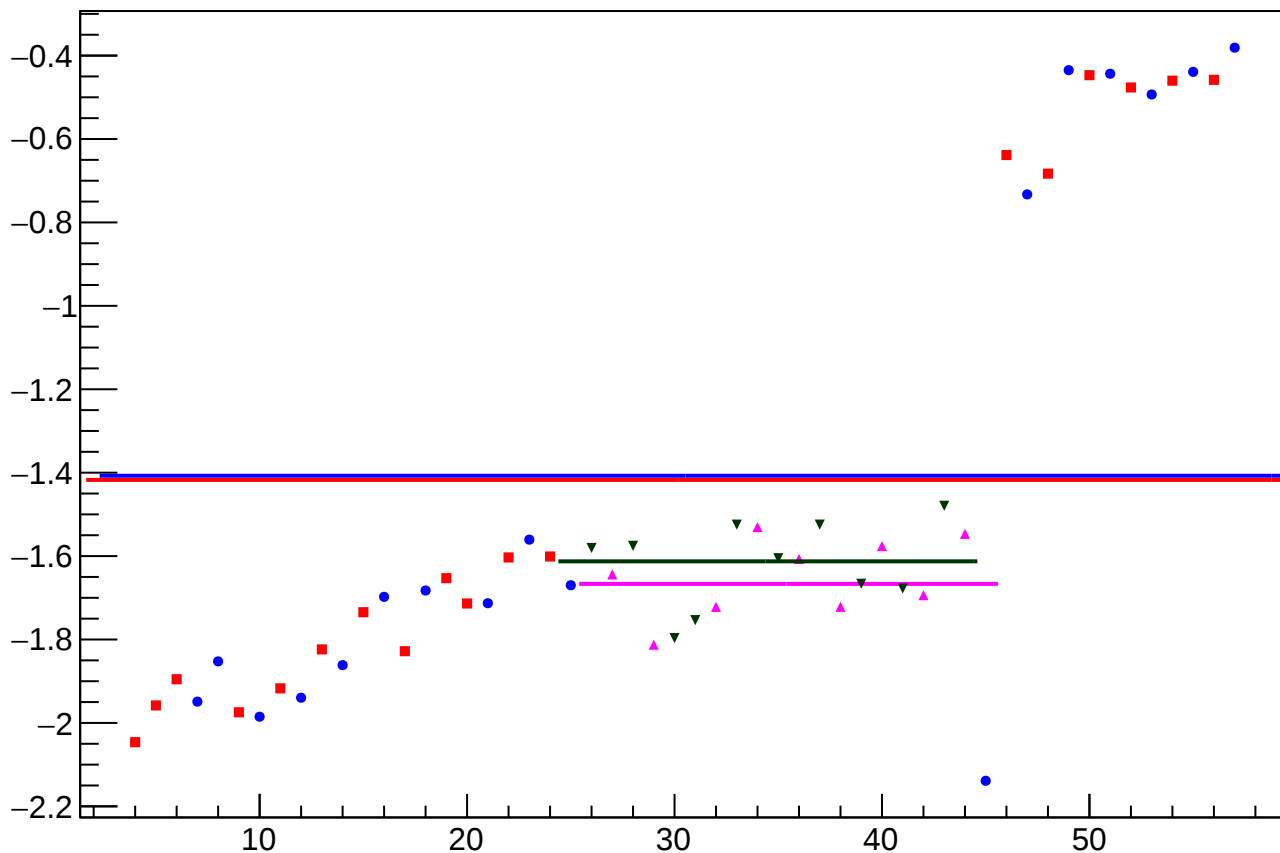
Right Out: 0.008+/-0.000 χ^2/NDF : 71077.3/17

Left In: 0.009+/-0.000 χ^2/NDF :103784.9/8

0.009+/-0.000 χ^2/NDF : 480305.0/26

0.009+/-0.000 χ^2/NDF : 218322.4/26

yield_bpm0l04X_mean vs slug



Right In: -1.407+/-0.000 χ^2/NDF : 32347403674.5/16

Left Out: -1.613+/-0.000 χ^2/NDF : 327148879.4/9

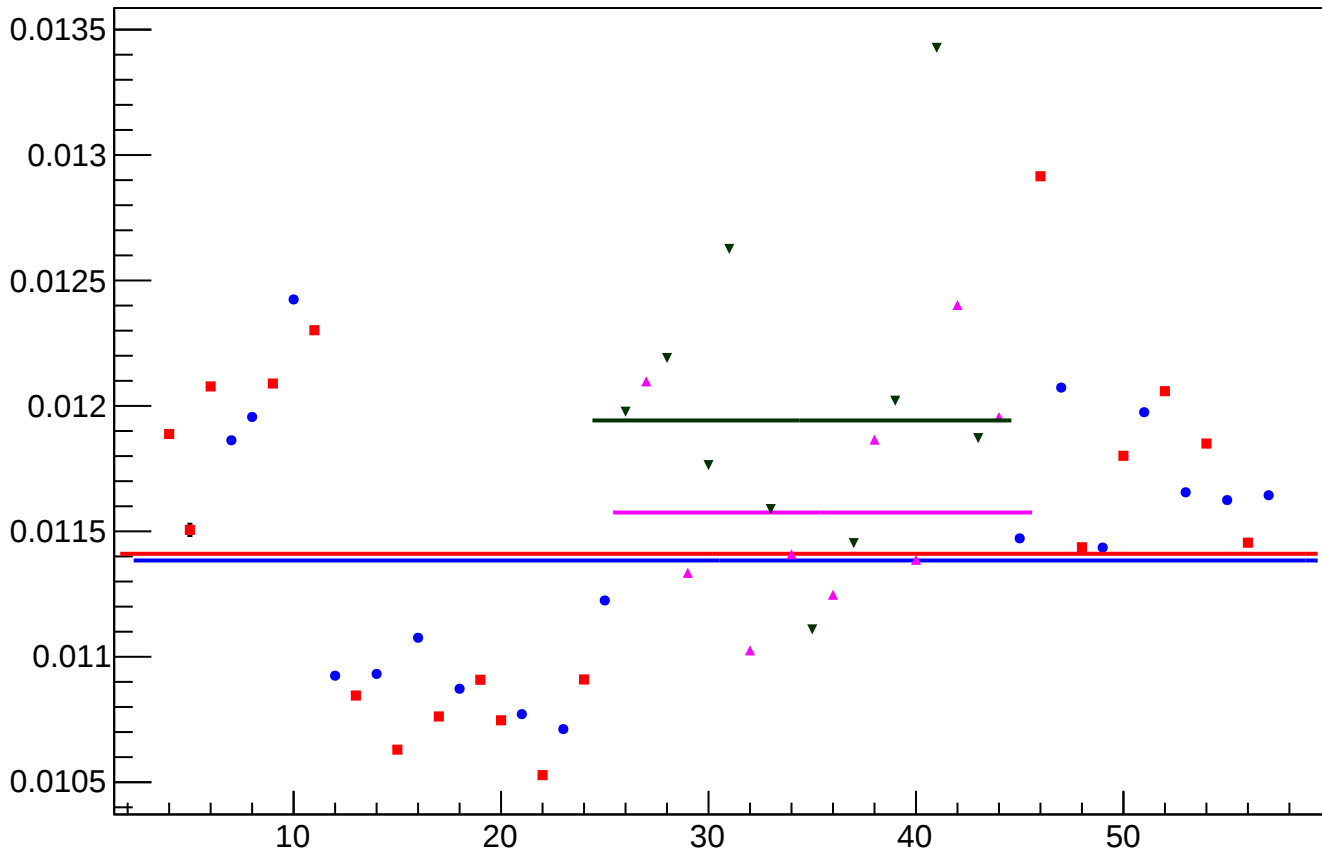
Right Out: -1.417+/-0.000 χ^2/NDF : 25433527095.6/17

Left In: -1.667+/-0.000 χ^2/NDF : 344212253.5/8

-1.472+/-0.000 χ^2/NDF : 33730904063.3/26

-1.509+/-0.000 χ^2/NDF : 27409931818.3/26

yield_bpm0l04X_rms vs slug



Right In: 0.011+/-0.000 χ^2/NDF : 41848.1/16

Left Out: 0.012+/-0.000 χ^2/NDF :25348.0/9

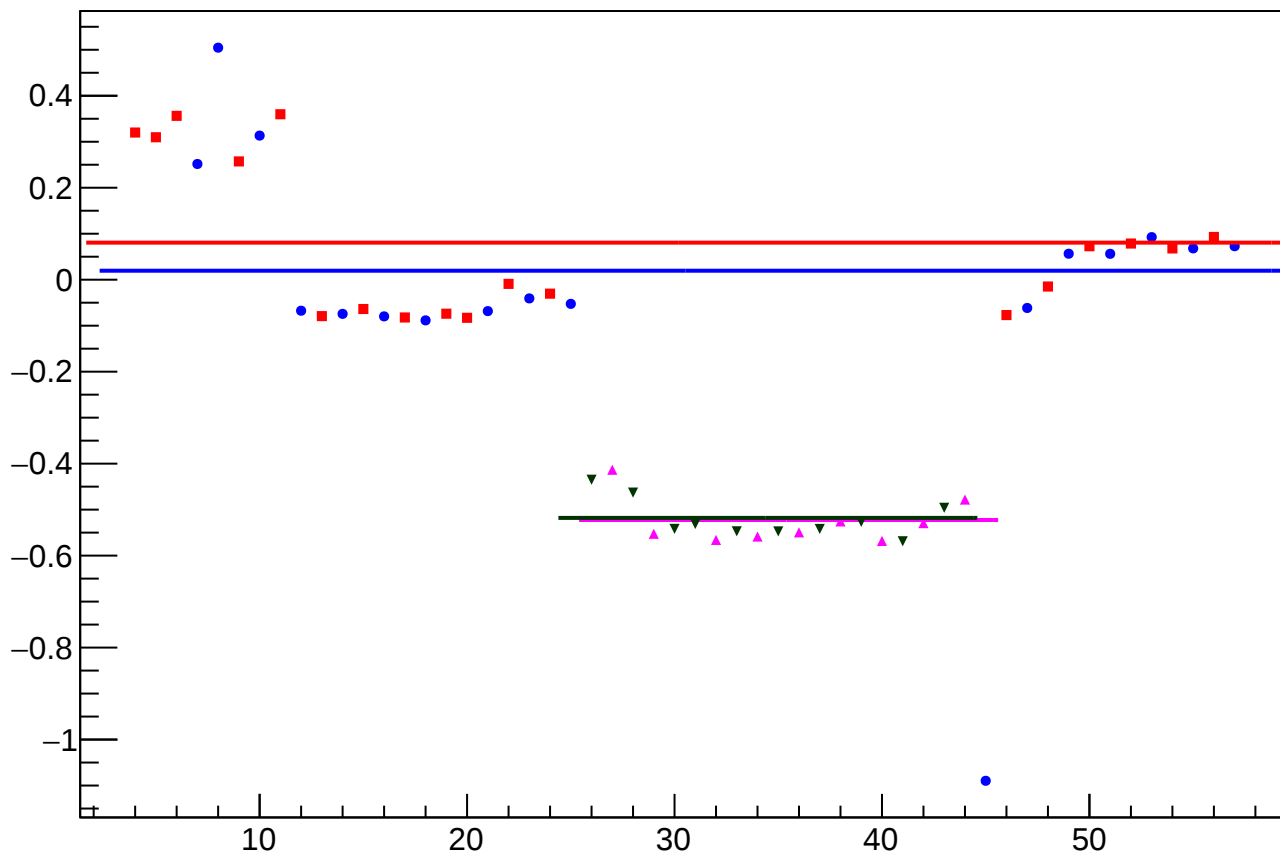
Right Out: 0.011+/-0.000 χ^2/NDF : 63890.2/17

Left In: 0.012+/-0.000 χ^2/NDF :15888.6/8

0.012+/-0.000 χ^2/NDF : 82826.2/26

0.011+/-0.000 χ^2/NDF : 81201.3/26

yield_bpm0l04Y_mean vs slug



Right In: 0.020+/-0.000 χ^2/NDF : 18174597308.4/16

Left Out: -0.518+/-0.000 χ^2/NDF : 131878439.0/9

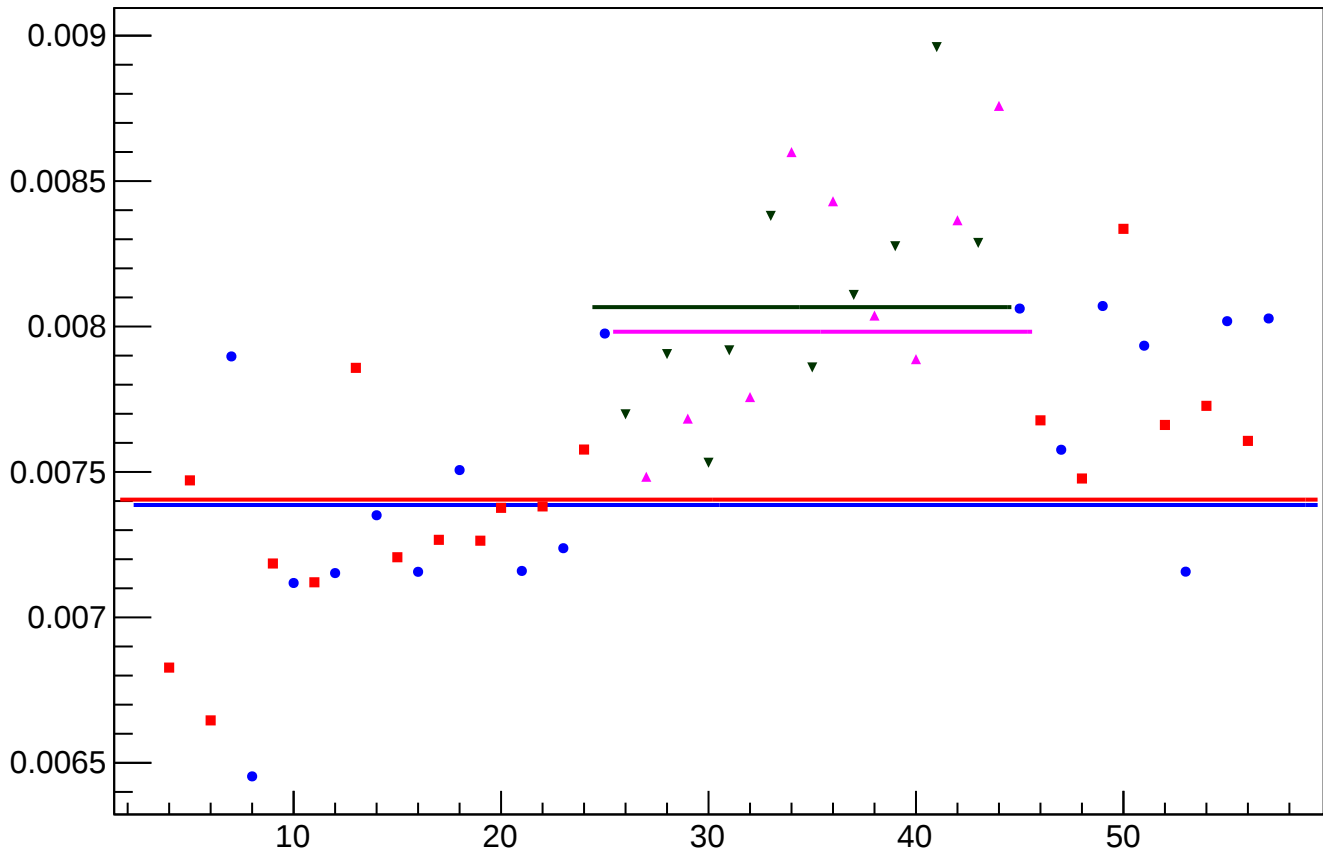
Right Out: 0.081+/-0.000 χ^2/NDF : 4560703115.9/17

Left In: -0.523+/-0.000 χ^2/NDF : 258155612.5/8

-0.141+/-0.000 χ^2/NDF : 34299389160.3/26

-0.126+/-0.000 χ^2/NDF : 25452367978.6/26

yield_bpm0l04Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 87178.7/16

Left Out: 0.008+/-0.000 χ^2/NDF : 23022.1/9

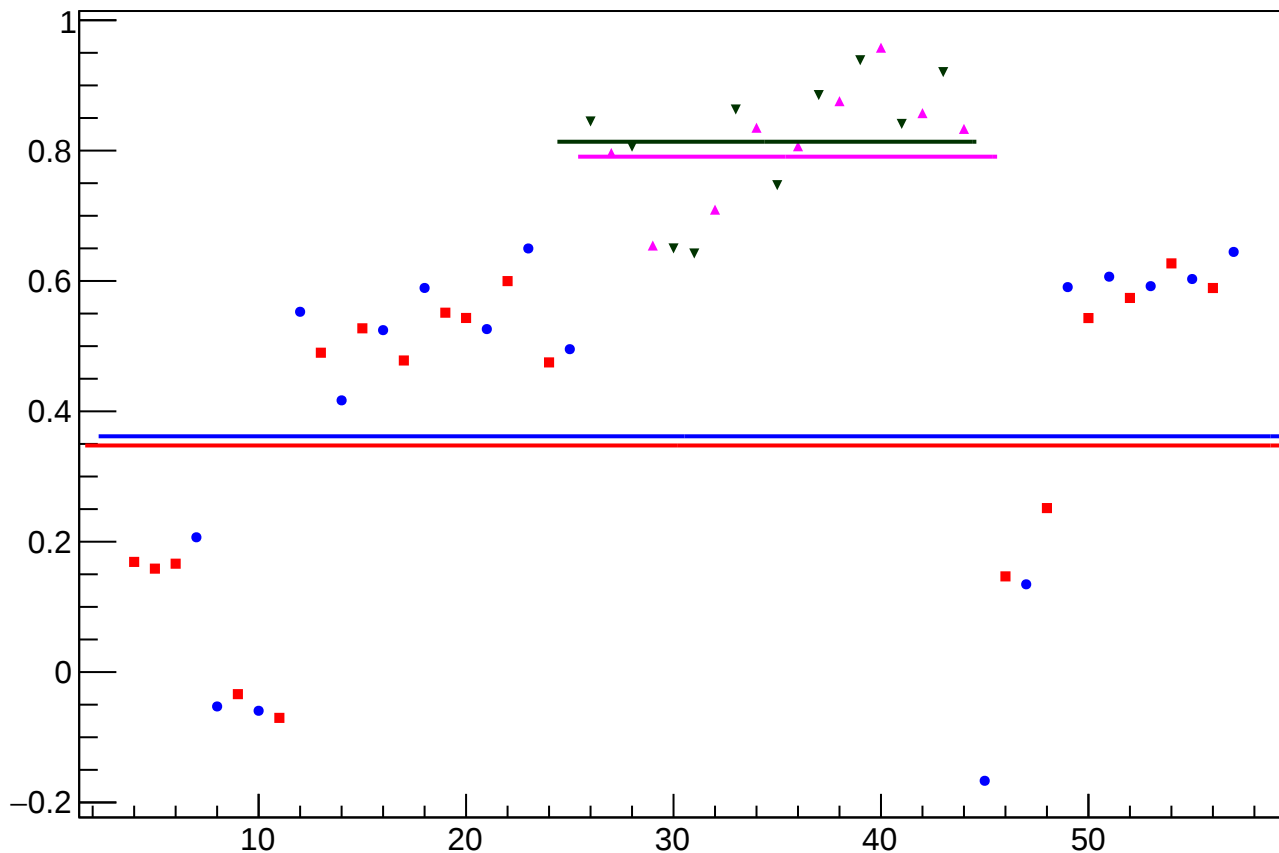
Right Out: 0.007+/-0.000 χ^2/NDF : 48047.1/17

Left In: 0.008+/-0.000 χ^2/NDF : 29355.6/8

0.008+/-0.000 χ^2/NDF : 161424.3/26

0.008+/-0.000 χ^2/NDF : 115193.7/26

yield_bpm0l05X_mean vs slug



Right In: 0.362 $\pm$ 0.000 χ^2 /NDF: 16766715292.5/16

Left Out: 0.814 $\pm$ 0.000 χ^2 /NDF: 993349923.9/9

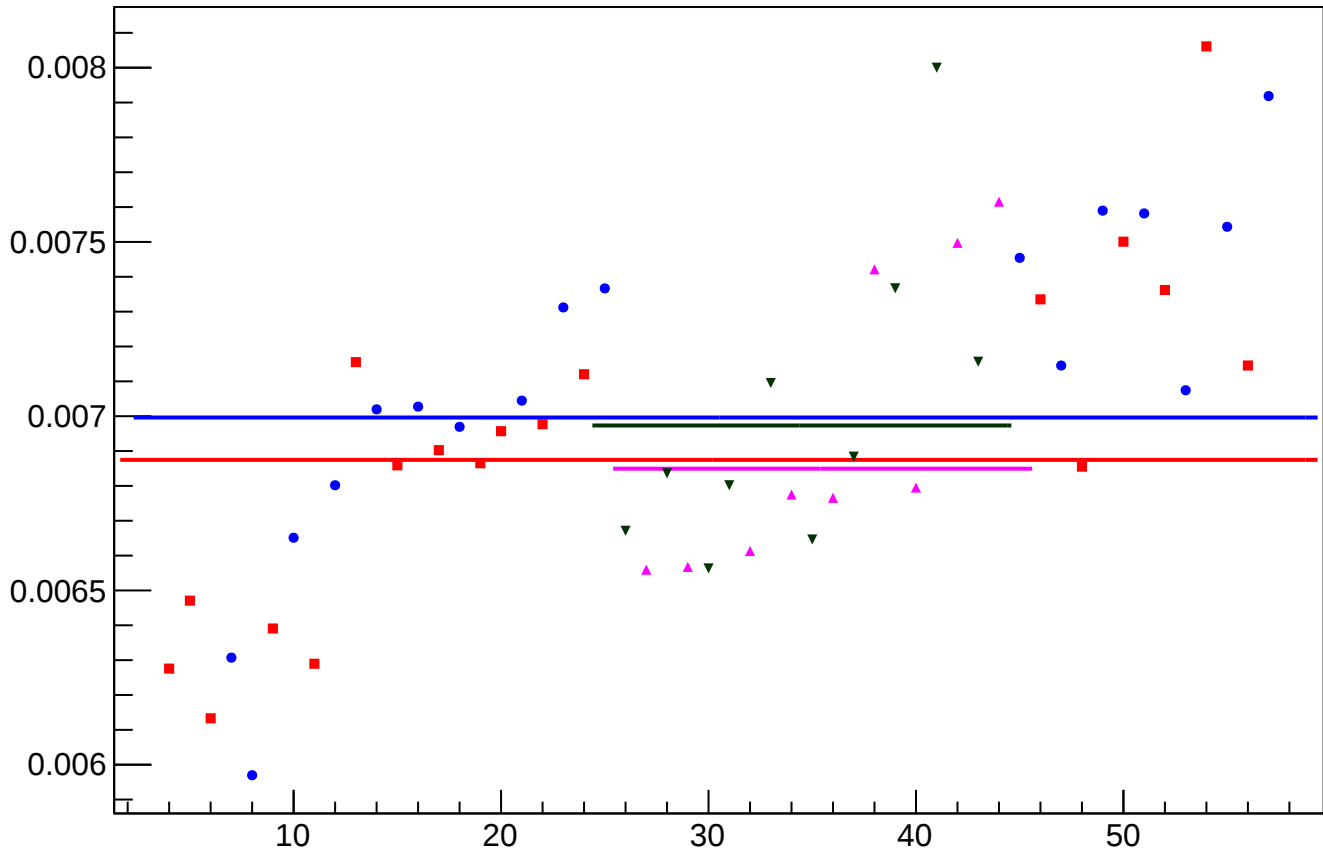
0.516 $\pm$ 0.000 χ^2 /NDF: 32212051412.4/26

Right Out: 0.348 $\pm$ 0.000 χ^2 /NDF: 11292550516.4/17

0.515 $\pm$ 0.000 χ^2 /NDF: 26632087621.4/26

Left In: 0.791 $\pm$ 0.000 χ^2 /NDF: 932399689.3/8

yield_bpm0l05X_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 106515.2/16

Left Out: 0.007+/-0.000 χ^2/NDF : 32912.7/9

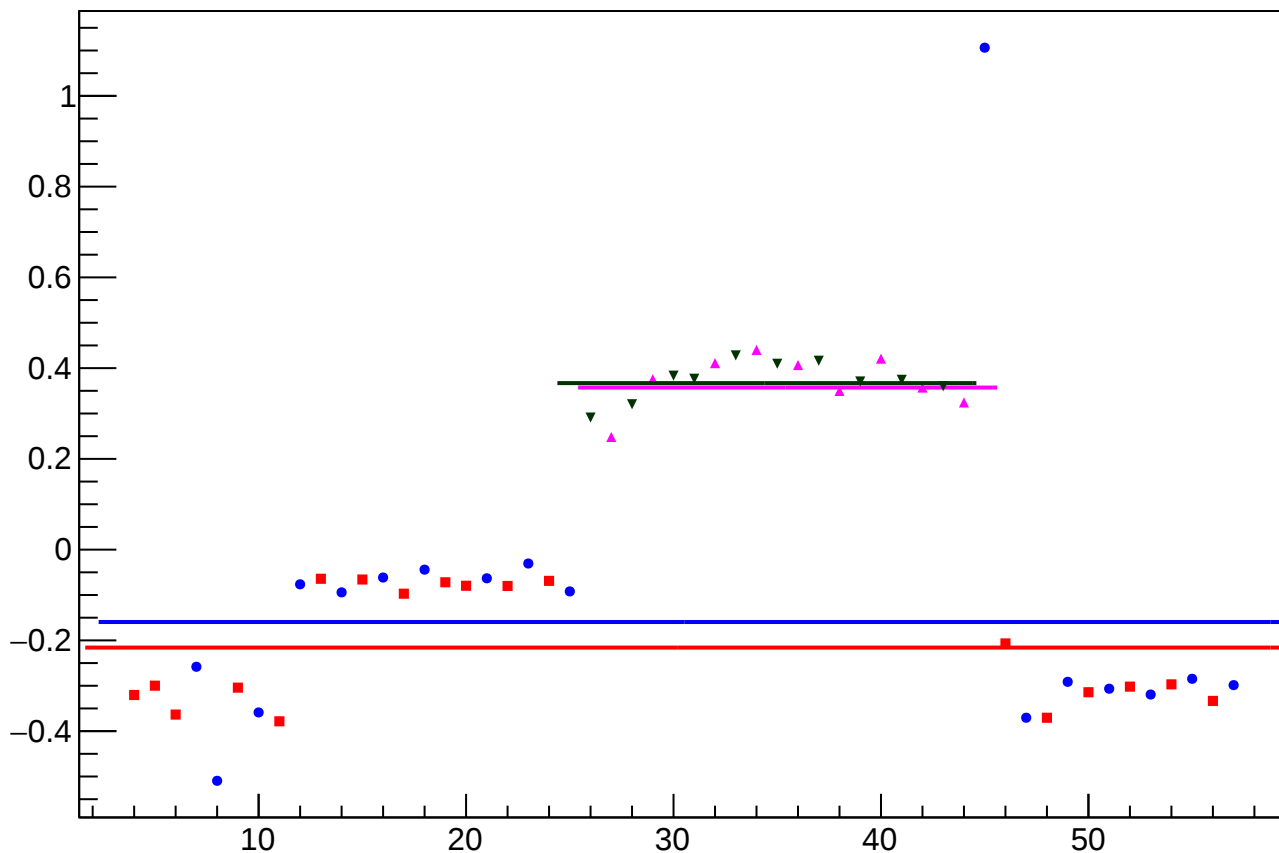
0.007+/-0.000 χ^2/NDF : 139501.7/26

Right Out: 0.007+/-0.000 χ^2/NDF : 88246.5/17

0.007+/-0.000 χ^2/NDF : 121504.5/26

Left In: 0.007+/-0.000 χ^2/NDF : 33164.0/8

yield_bpm0l05Y_mean vs slug



Right In: -0.160 ± 0.000 χ^2/NDF : 36592768505.2/16

Left Out: 0.367 ± 0.000 χ^2/NDF : 258003359.9/9

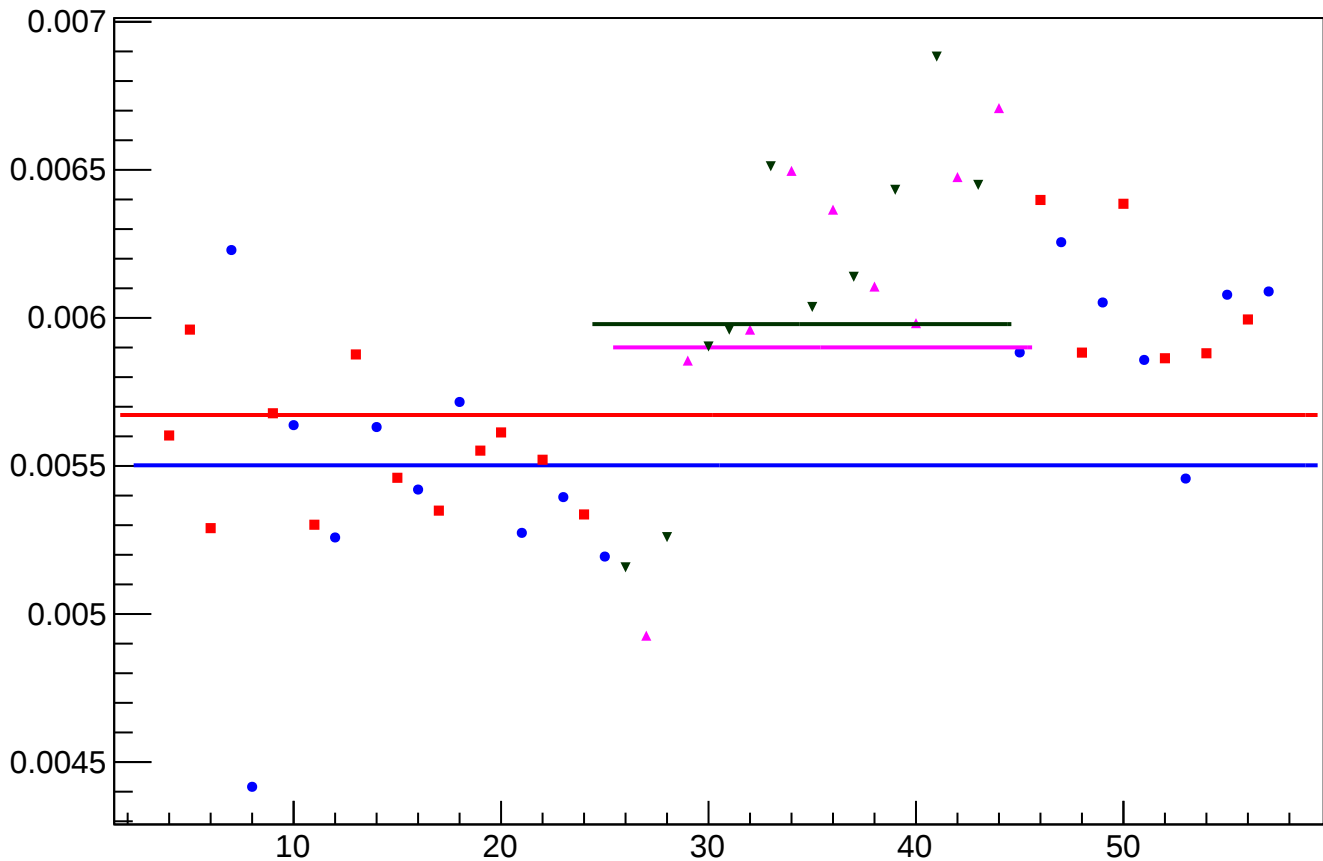
Right Out: -0.216 ± 0.000 χ^2/NDF : 4607990464.4/17

Left In: 0.357 ± 0.000 χ^2/NDF : 650314960.7/8

-0.002 ± 0.000 χ^2/NDF : 64276323220.7/26

-0.011 ± 0.000 χ^2/NDF : 38101624875.7/26

yield_bpm0l05Y_rms vs slug



Right In: 0.006+/-0.000 χ^2/NDF : 177496.5/16

Left Out: 0.006+/-0.000 χ^2/NDF : 84407.0/9

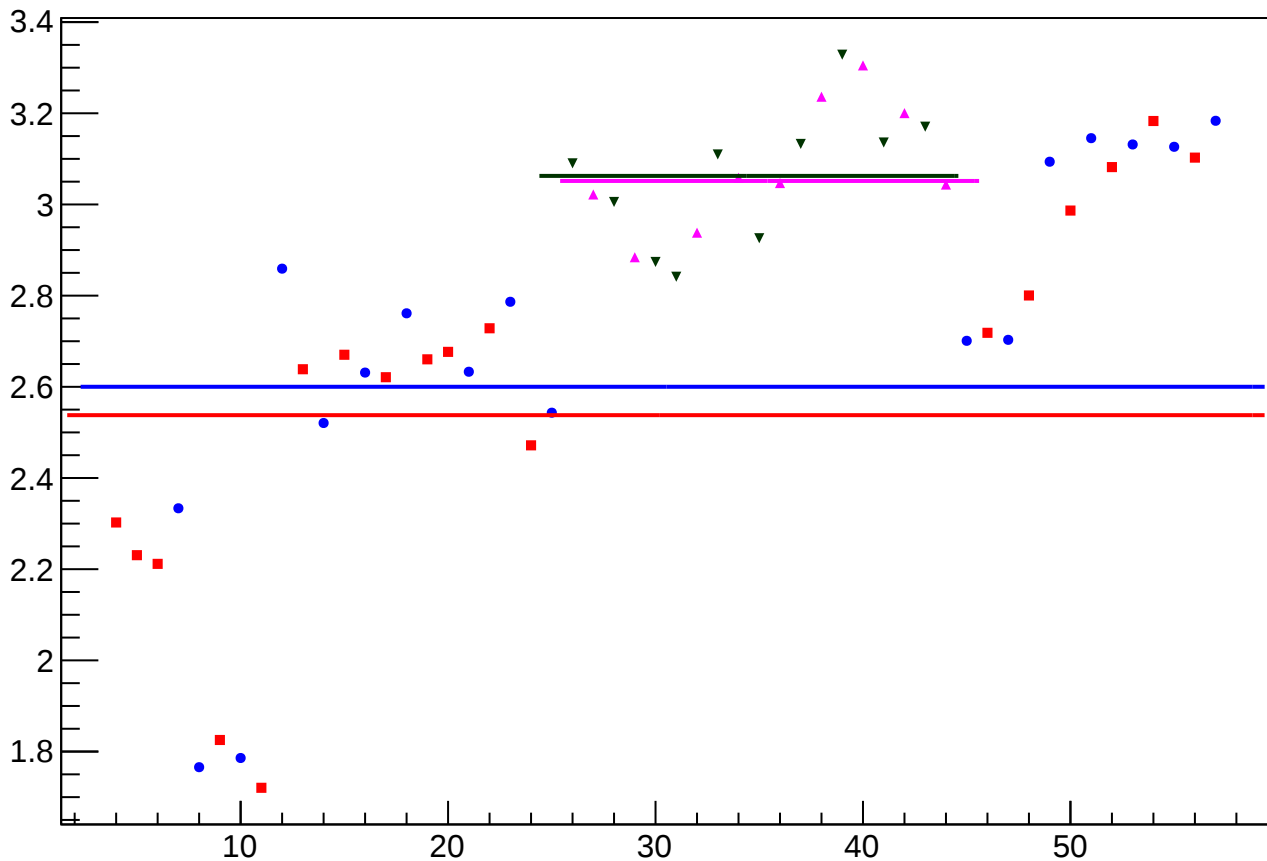
Right Out: 0.006+/-0.000 χ^2/NDF : 56953.3/17

Left In: 0.006+/-0.000 χ^2/NDF : 101099.8/8

0.006+/-0.000 χ^2/NDF : 306900.7/26

0.006+/-0.000 χ^2/NDF : 168482.4/26

yield_bpm0l06X_mean vs slug



Right In: 2.600 $\pm$ 0.000 χ^2 /NDF: 14638901462.8/16

Left Out: 3.063 $\pm$ 0.000 χ^2 /NDF:1107067165.5/9

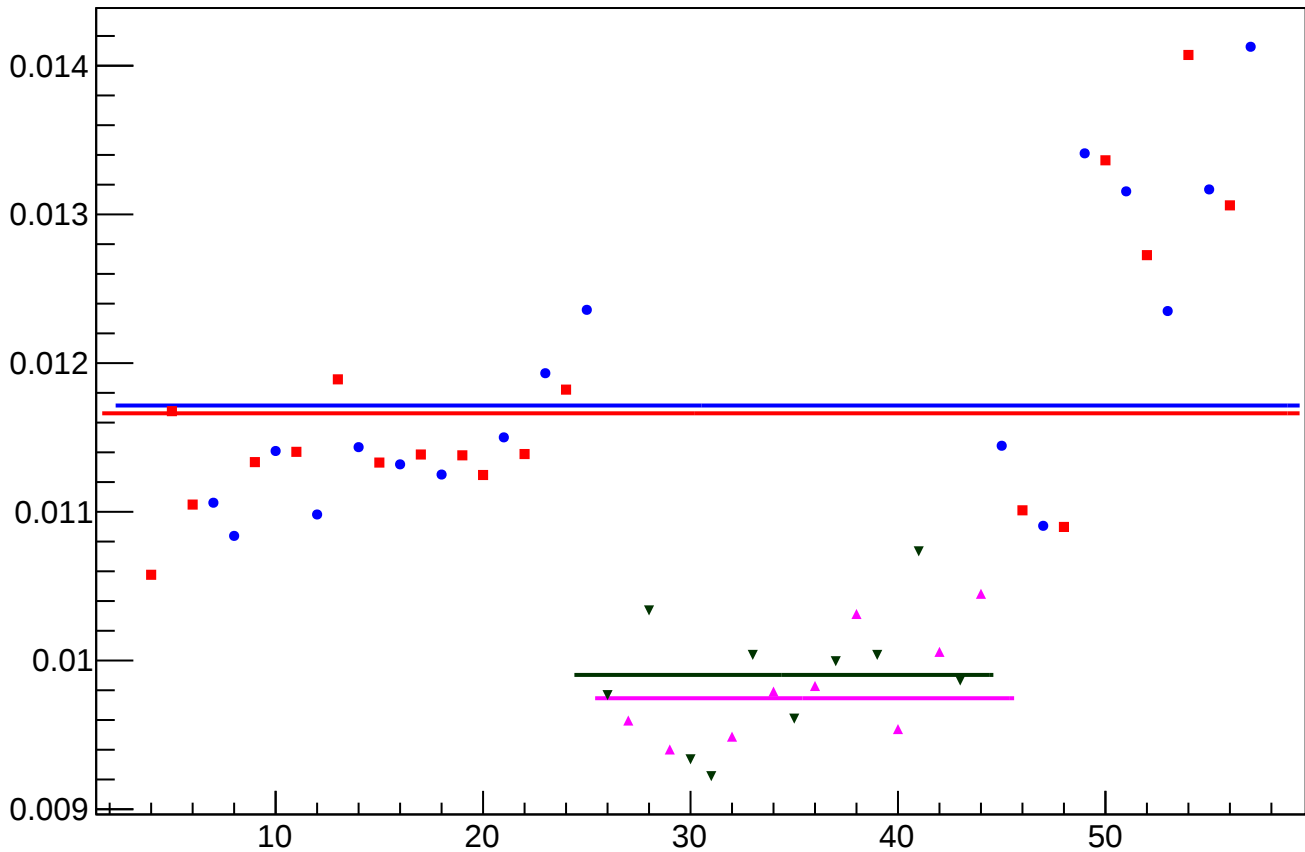
2.794 $\pm$ 0.000 χ^2 /NDF: 22395270218.7/26

Right Out: 2.538 $\pm$ 0.000 χ^2 /NDF: 11384810235.7/17

2.777 $\pm$ 0.000 χ^2 /NDF: 20638526996.9/26

Left In: 3.052 $\pm$ 0.000 χ^2 /NDF:1015989993.5/8

yield_bpm0l06X_rms vs slug



Right In: 0.012+/-0.000 χ^2/NDF : 115358.5/16

Left Out: 0.010+/-0.000 χ^2/NDF :18813.8/9

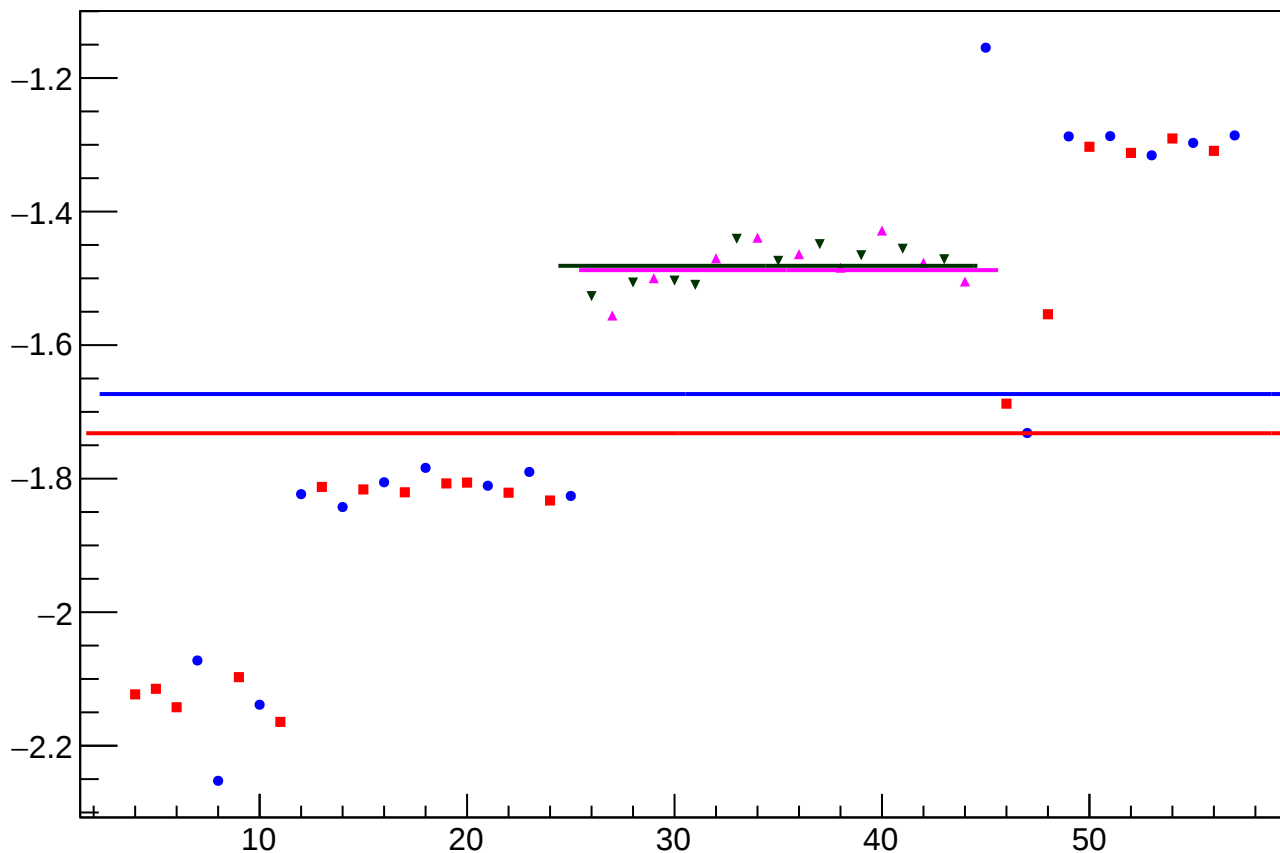
0.011+/-0.000 χ^2/NDF : 338186.8/26

Right Out: 0.012+/-0.000 χ^2/NDF : 91051.7/17

0.011+/-0.000 χ^2/NDF : 333445.1/26

Left In: 0.010+/-0.000 χ^2/NDF :13193.9/8

yield_bpm0l06Y_mean vs slug



Right In: -1.673+/-0.000 χ^2/NDF : 58045678764.0/16

Left Out: -1.481+/-0.000 χ^2/NDF :133314200.9/9

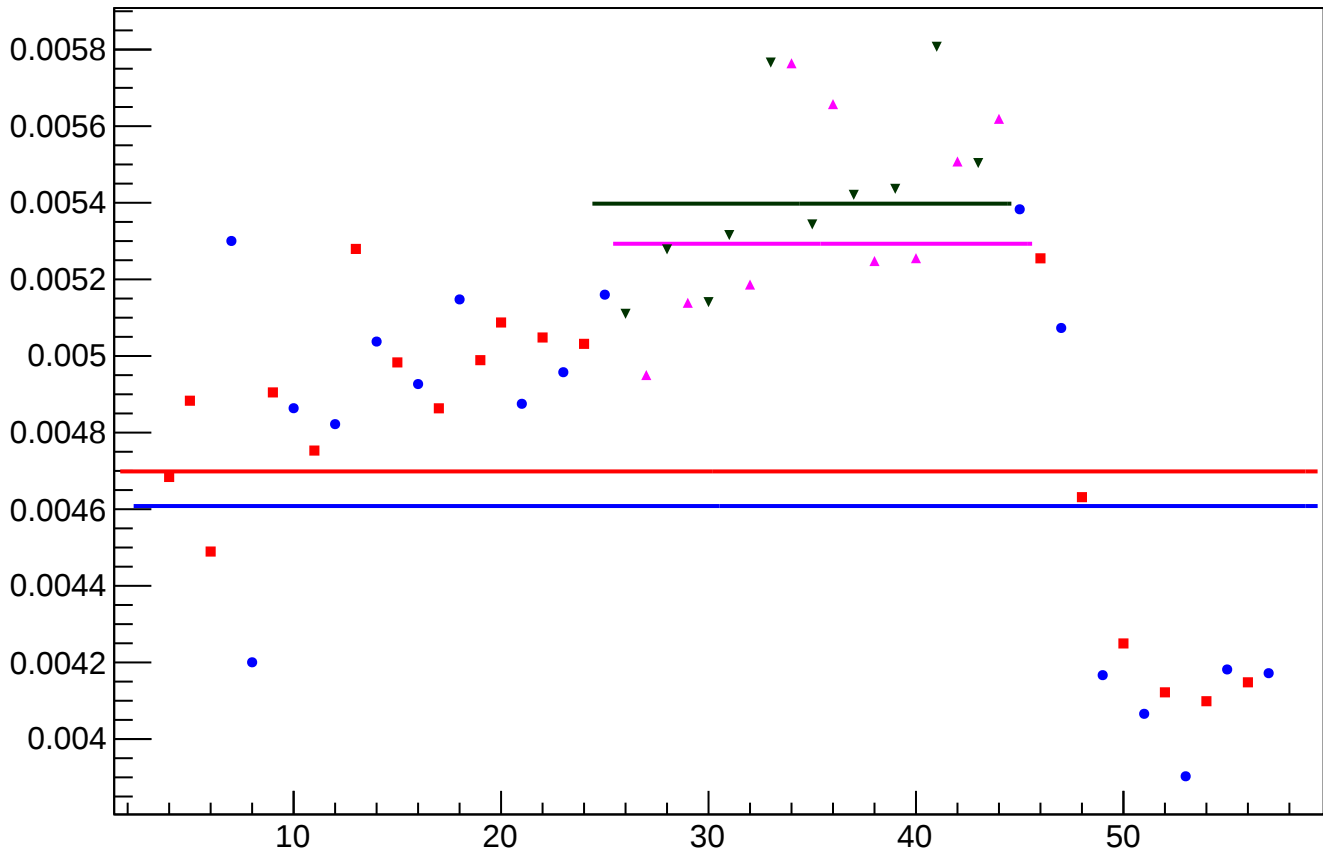
Right Out: -1.732+/-0.000 χ^2/NDF : 40620394888.7/17

Left In: -1.488+/-0.000 χ^2/NDF :281282296.5/8

-1.621+/-0.000 χ^2/NDF : 62918711820.2/26

-1.653+/-0.000 χ^2/NDF : 48825663136.6/26

yield_bpm0l06Y_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 202976.0/16

Left Out: 0.005+/-0.000 χ^2/NDF :16600.8/9

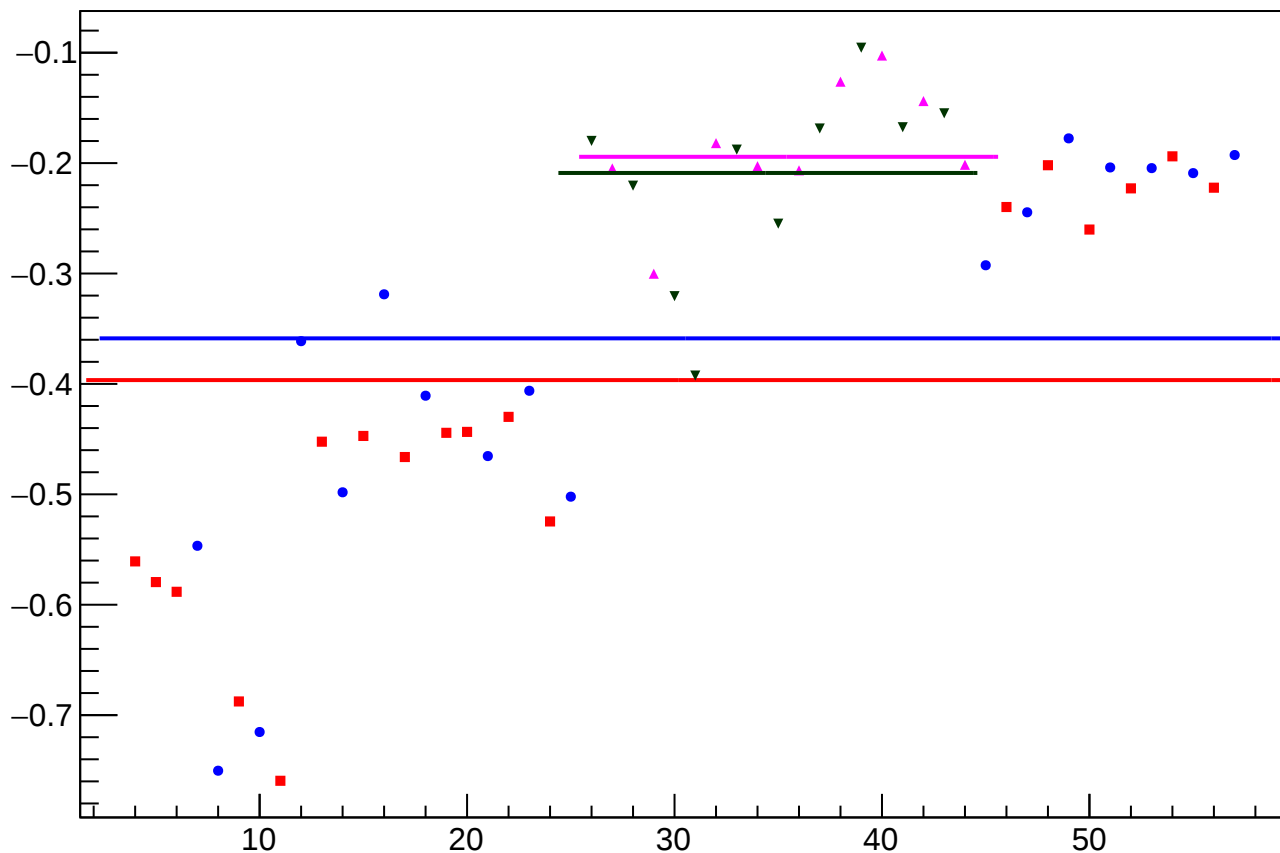
0.005+/-0.000 χ^2/NDF : 379721.7/26

Right Out: 0.005+/-0.000 χ^2/NDF : 130847.1/17

0.005+/-0.000 χ^2/NDF : 250455.4/26

Left In: 0.005+/-0.000 χ^2/NDF :25779.4/8

yield_bpm0l07X_mean vs slug



Right In: -0.359+/-0.000 χ^2/NDF : 1568696829.6/16

Left Out: -0.209+/-0.000 χ^2/NDF : 145606796.2/9

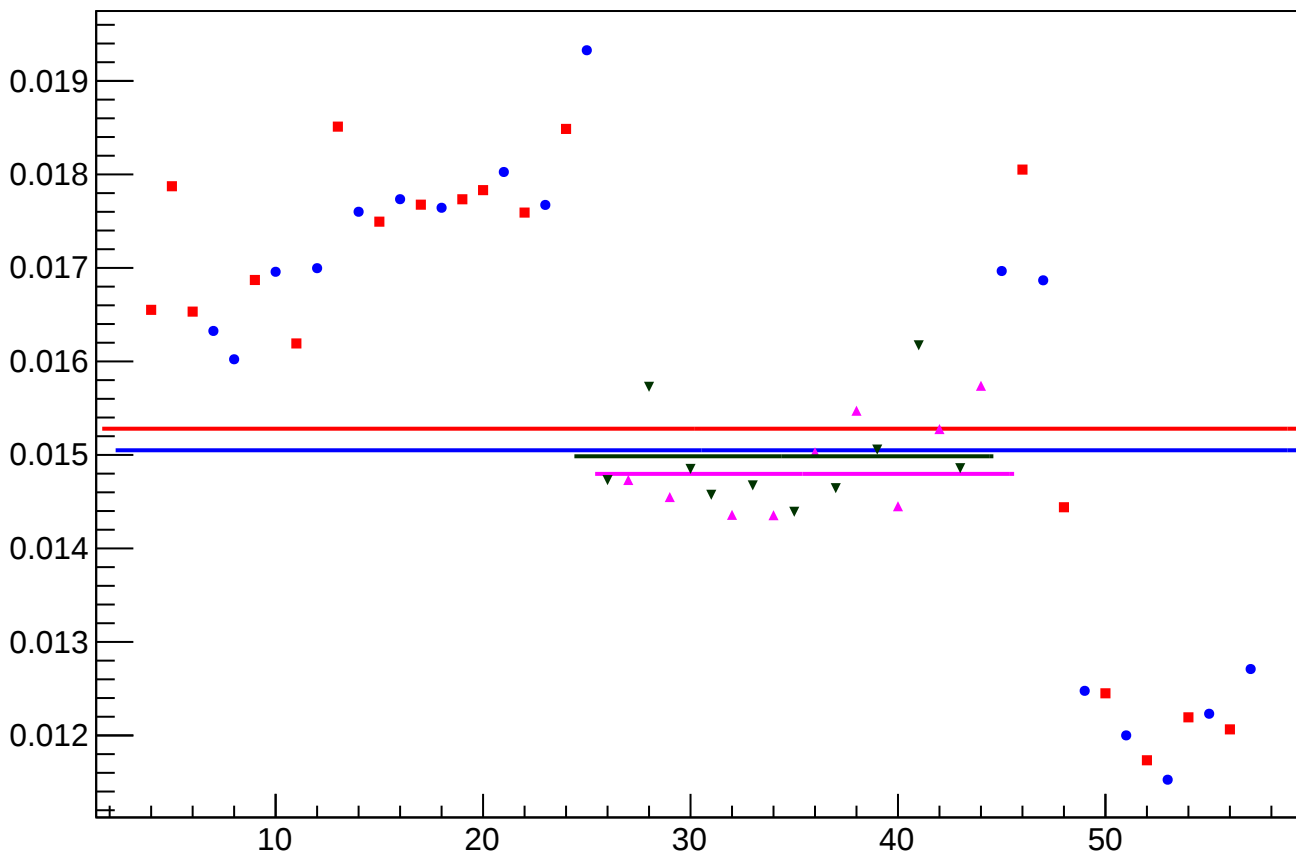
Right Out: -0.397+/-0.000 χ^2/NDF : 1272884039.0/17

Left In: -0.194+/-0.000 χ^2/NDF : 81659796.5/8

-0.306+/-0.000 χ^2/NDF : 2060033044.8/26

-0.315+/-0.000 χ^2/NDF : 1979677544.8/26

yield_bpm0l07X_rms vs slug



Right In: 0.015+/-0.000 χ^2/NDF : 570634.0/16

Left Out: 0.015+/-0.000 χ^2/NDF :13214.2/9

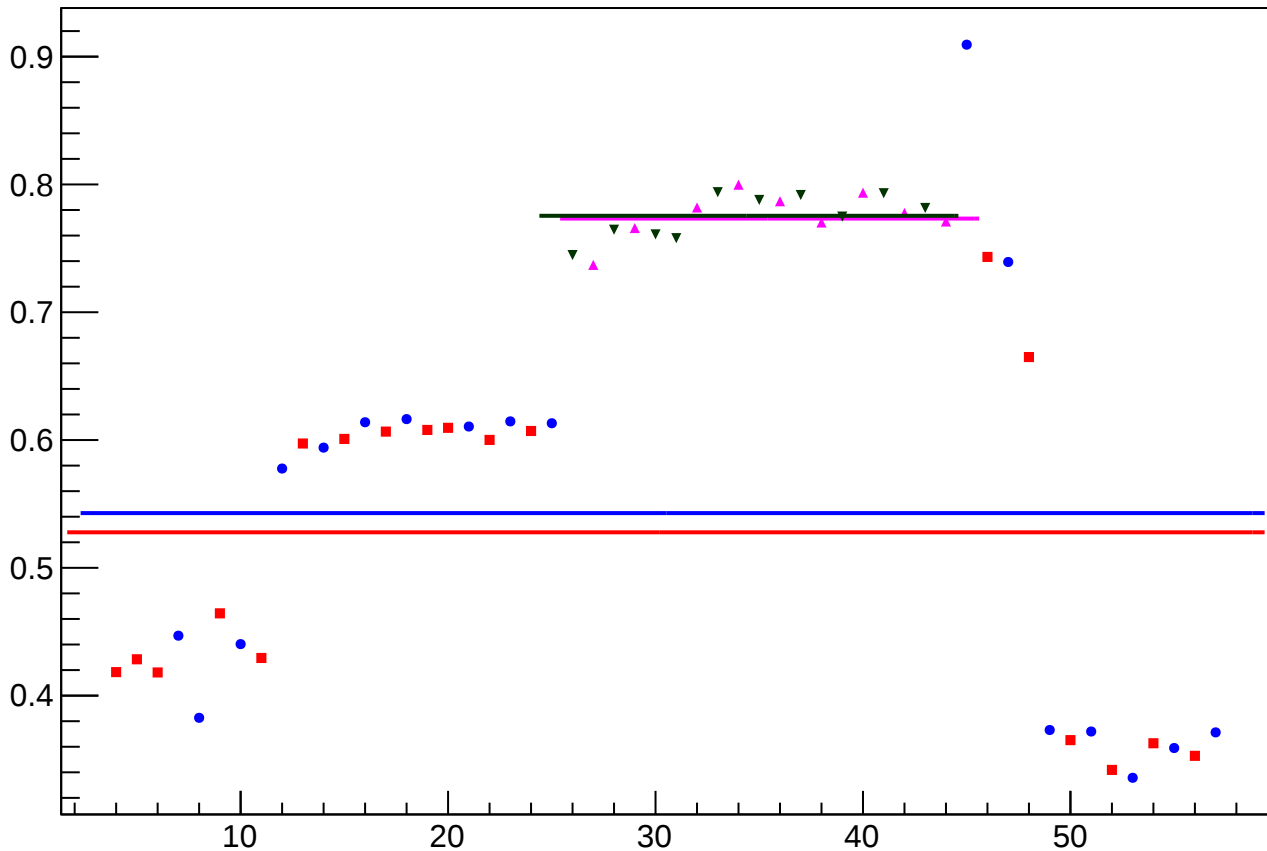
Right Out: 0.015+/-0.000 χ^2/NDF : 513031.5/17

Left In: 0.015+/-0.000 χ^2/NDF :10554.2/8

0.015+/-0.000 χ^2/NDF : 583975.3/26

0.015+/-0.000 χ^2/NDF : 530723.4/26

yield_bpm0l07Y_mean vs slug



Right In: 0.543 $\pm$ 0.000 χ^2 /NDF: 19898451029.7/16

Left Out: 0.775 $\pm$ 0.000 χ^2 /NDF:122038329.5/9

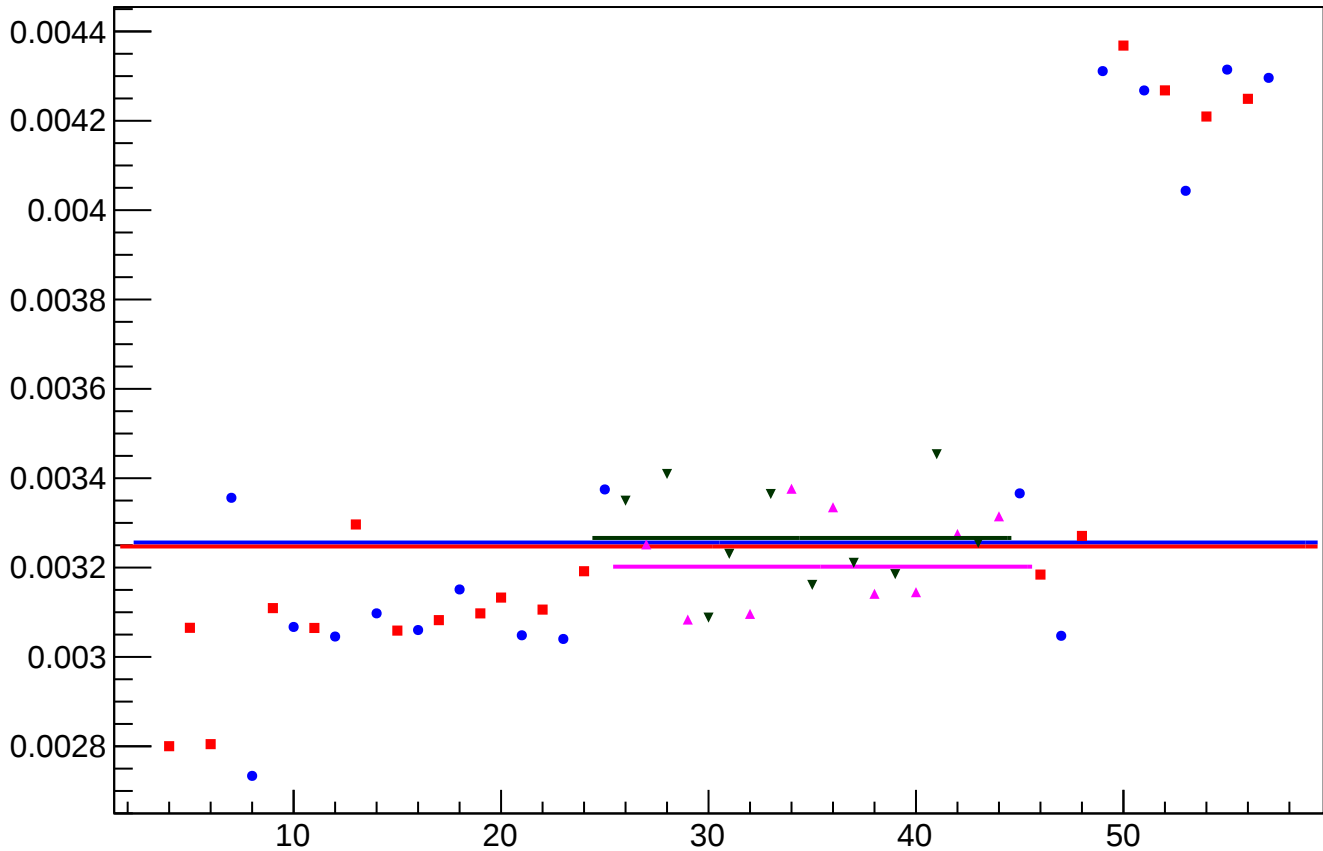
0.622 $\pm$ 0.000 χ^2 /NDF: 37350556973.4/26

Right Out: 0.528 $\pm$ 0.000 χ^2 /NDF: 10937755421.1/17

0.623 $\pm$ 0.000 χ^2 /NDF: 31017404193.5/26

Left In: 0.773 $\pm$ 0.000 χ^2 /NDF:173800769.3/8

yield_bpm0l07Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 417783.5/16

Left Out: 0.003+/-0.000 χ^2/NDF :12873.3/9

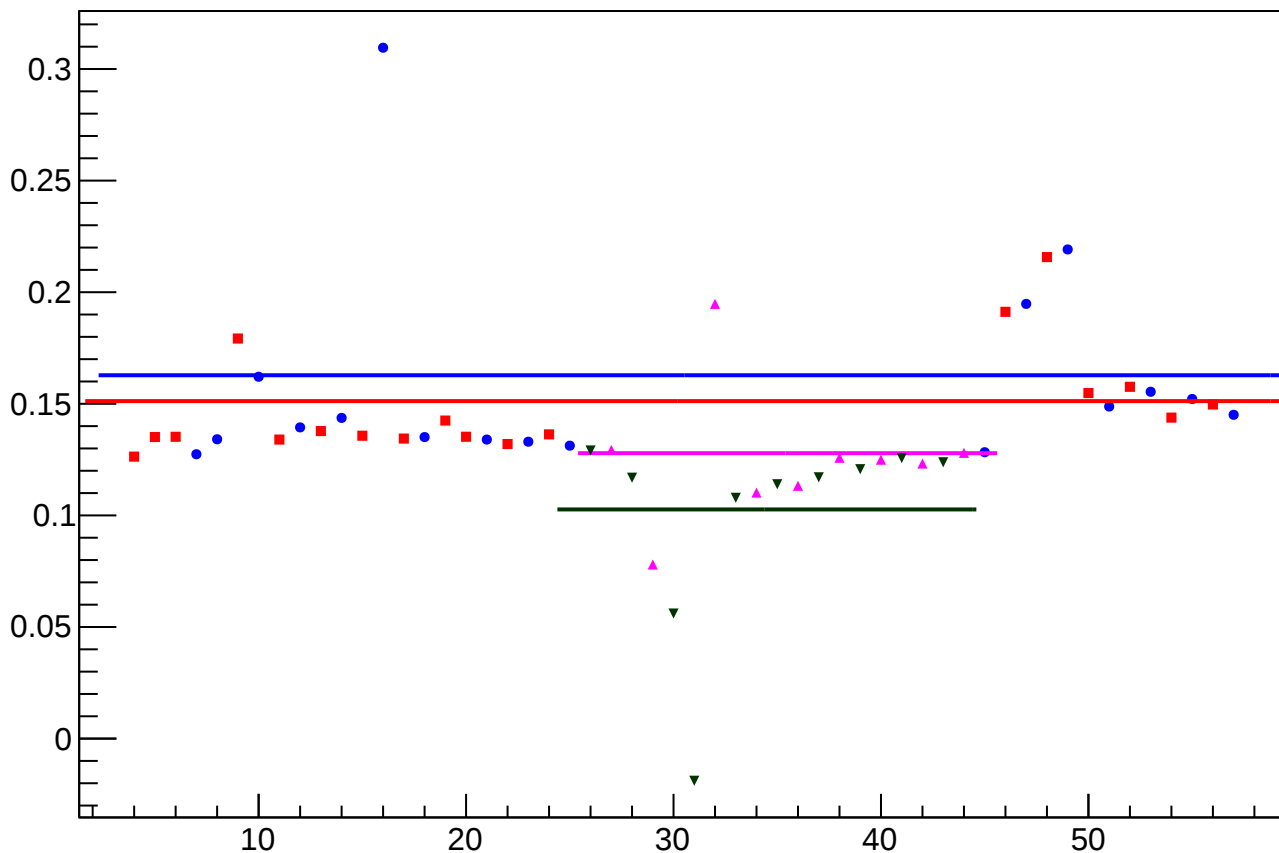
Right Out: 0.003+/-0.000 χ^2/NDF : 301031.3/17

Left In: 0.003+/-0.000 χ^2/NDF :11463.7/8

0.003+/-0.000 χ^2/NDF : 430723.4/26

0.003+/-0.000 χ^2/NDF : 313841.6/26

yield_bpm0l08X_mean vs slug



Right In: 0.163 ± 0.000 χ^2/NDF : 94086181.0/16

Left Out: 0.103 ± 0.000 χ^2/NDF : 42575286.2/9

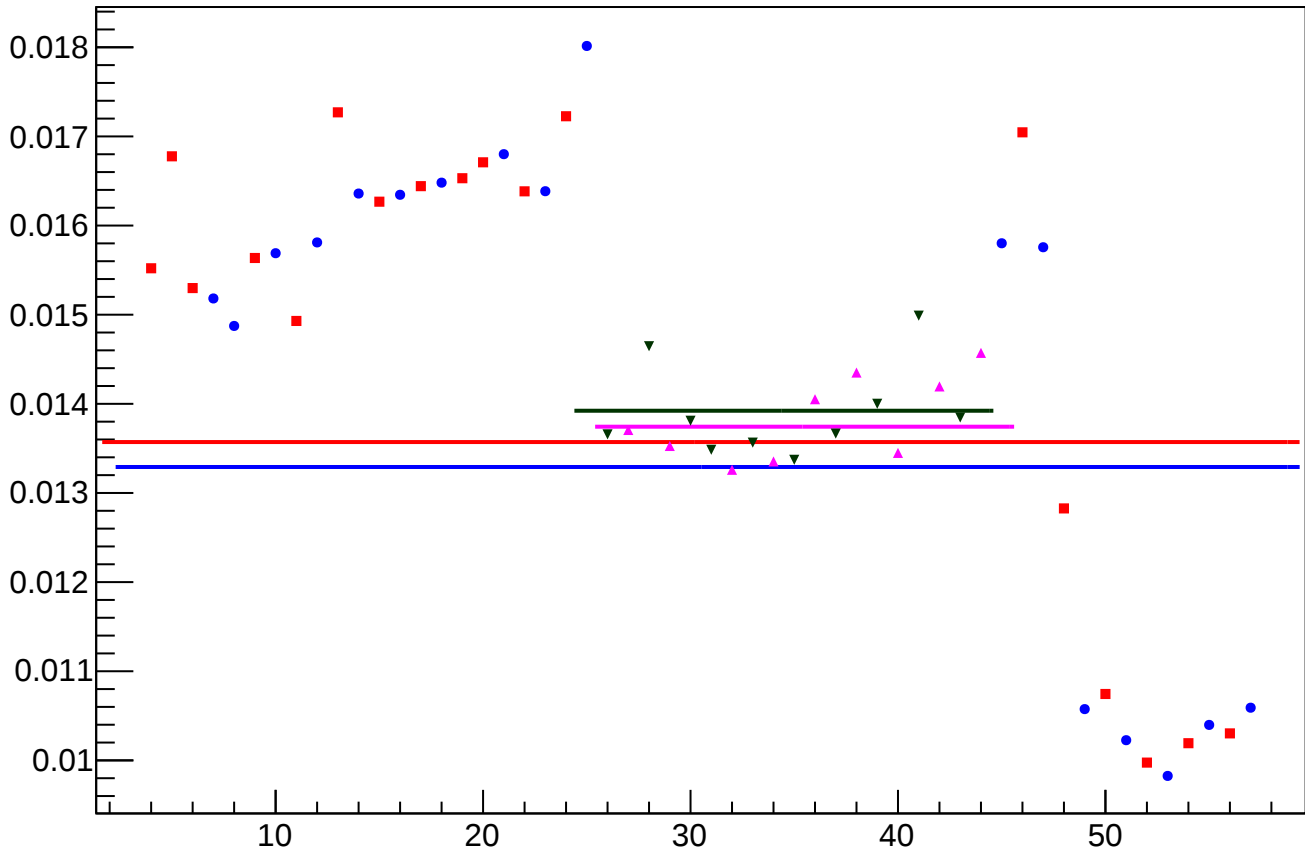
Right Out: 0.151 ± 0.000 χ^2/NDF : 22443011.4/17

Left In: 0.128 ± 0.000 χ^2/NDF : 35319224.9/8

0.143 ± 0.000 χ^2/NDF : 203017590.4/26

0.142 ± 0.000 χ^2/NDF : 67661151.4/26

yield_bpm0l08X_rms vs slug



Right In: 0.013 $\pm$ 0.000 χ^2/NDF : 909347.4/16

Left Out: 0.014 $\pm$ 0.000 χ^2/NDF : 13410.6/9

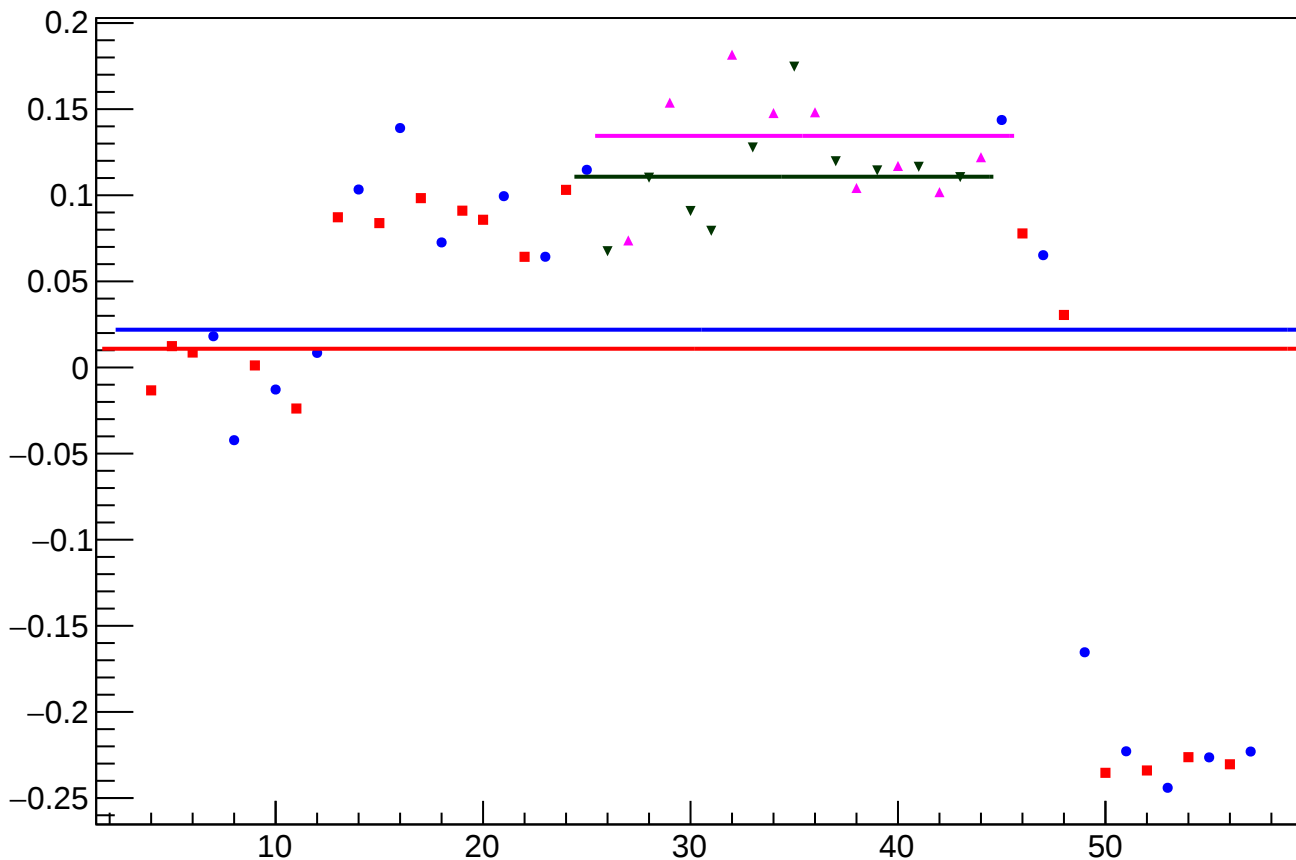
Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 801126.0/17

Left In: 0.014 $\pm$ 0.000 χ^2/NDF : 10776.7/8

0.014 $\pm$ 0.000 χ^2/NDF : 937381.4/26

0.014 $\pm$ 0.000 χ^2/NDF : 812982.5/26

yield_bpm0l08Y_mean vs slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 10282009998.5/16

Left Out: 0.111 $\pm$ 0.000 χ^2 /NDF:325634113.5/9

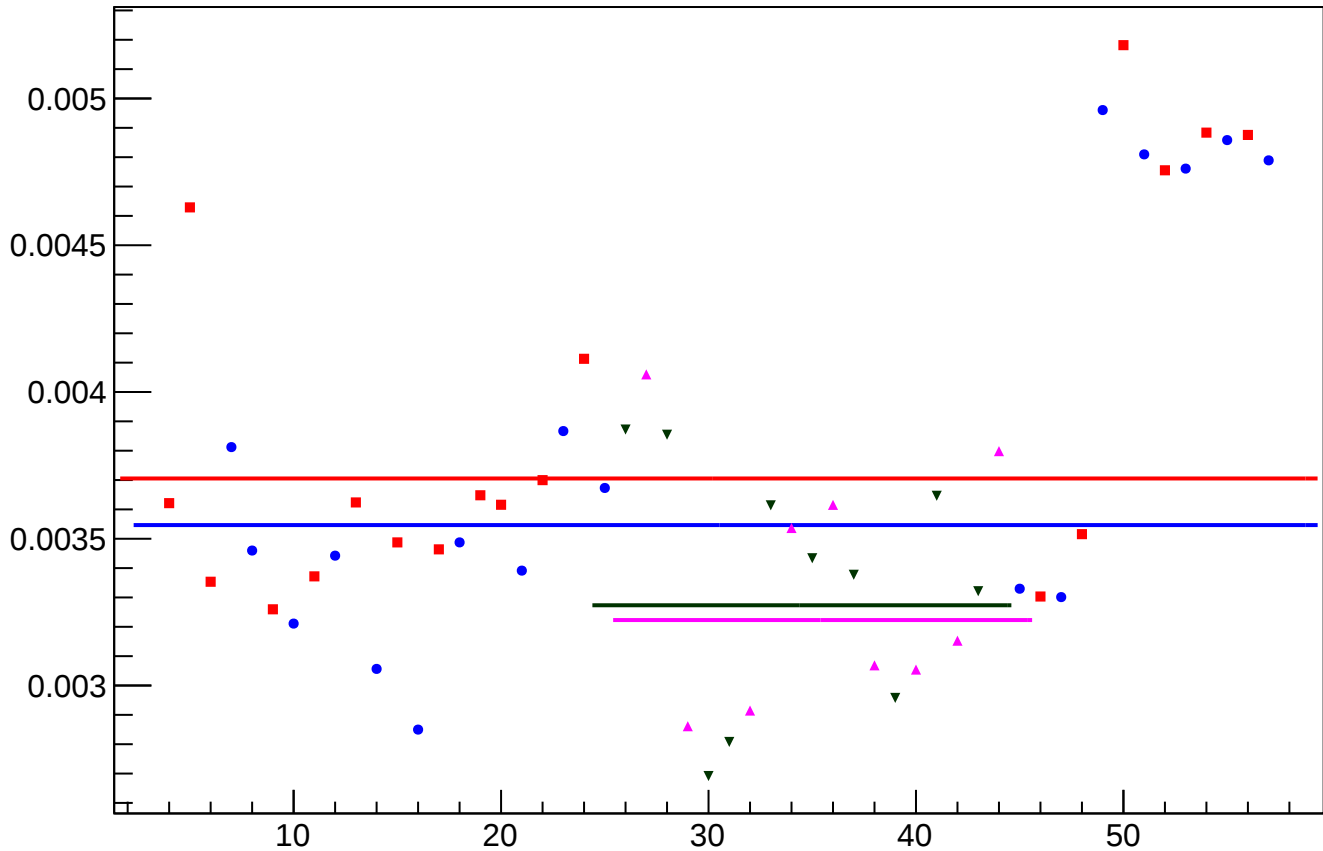
0.056 $\pm$ 0.000 χ^2 /NDF: 12911612852.1/26

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 6885961384.6/17

0.066 $\pm$ 0.000 χ^2 /NDF: 11828021966.1/26

Left In: 0.134 $\pm$ 0.000 χ^2 /NDF:584141111.2/8

yield_bpm0l08Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 573937.0/16

Left Out: 0.003+/-0.000 χ^2/NDF :157067.3/9

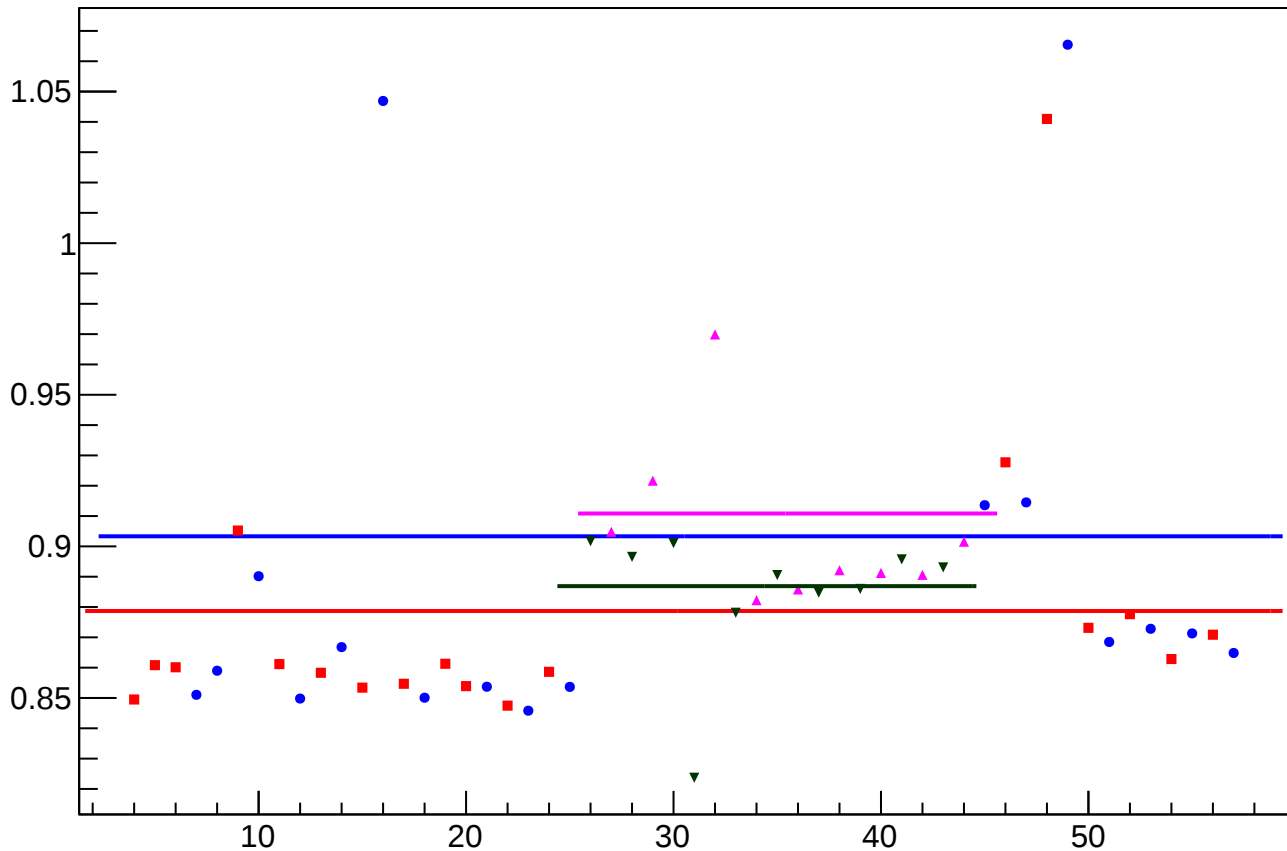
0.003+/-0.000 χ^2/NDF : 774597.9/26

Right Out: 0.004+/-0.000 χ^2/NDF : 349598.1/17

0.003+/-0.000 χ^2/NDF : 645628.8/26

Left In: 0.003+/-0.000 χ^2/NDF :163315.9/8

yield_bpm0l09X_mean vs slug



Right In: 0.903 $\pm$ 0.000 χ^2 /NDF: 318401556.2/16

Left Out: 0.887 $\pm$ 0.000 χ^2 /NDF:10371268.3/9

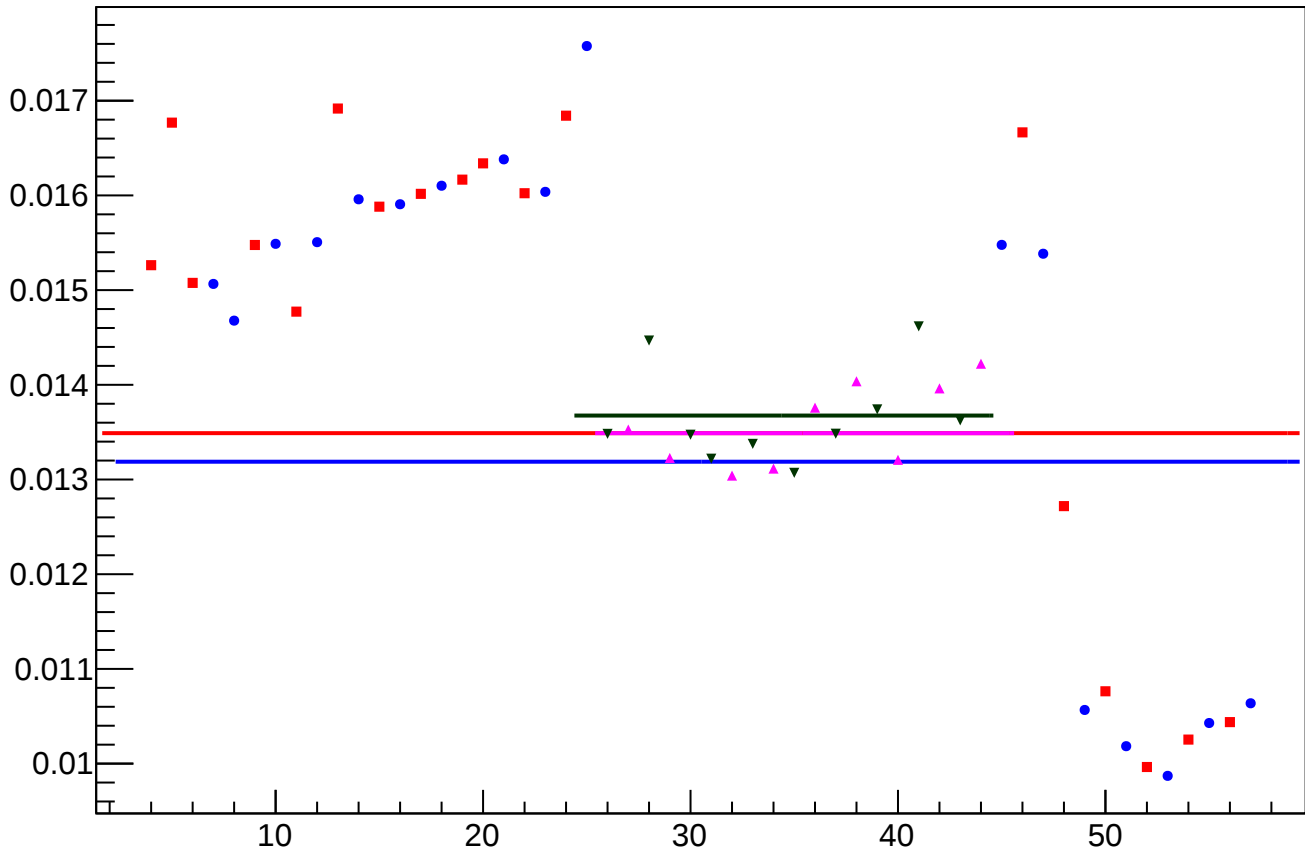
0.898 $\pm$ 0.000 χ^2 /NDF: 333882694.8/26

Right Out: 0.879 $\pm$ 0.000 χ^2 /NDF: 92236644.0/17

0.891 $\pm$ 0.000 χ^2 /NDF: 137602546.5/26

Left In: 0.911 $\pm$ 0.000 χ^2 /NDF:26013449.3/8

yield_bpm0l09X_rms vs slug



Right In: 0.013 ± 0.000 χ^2/NDF : 817829.5/16

Left Out: 0.014 ± 0.000 χ^2/NDF : 13316.5/9

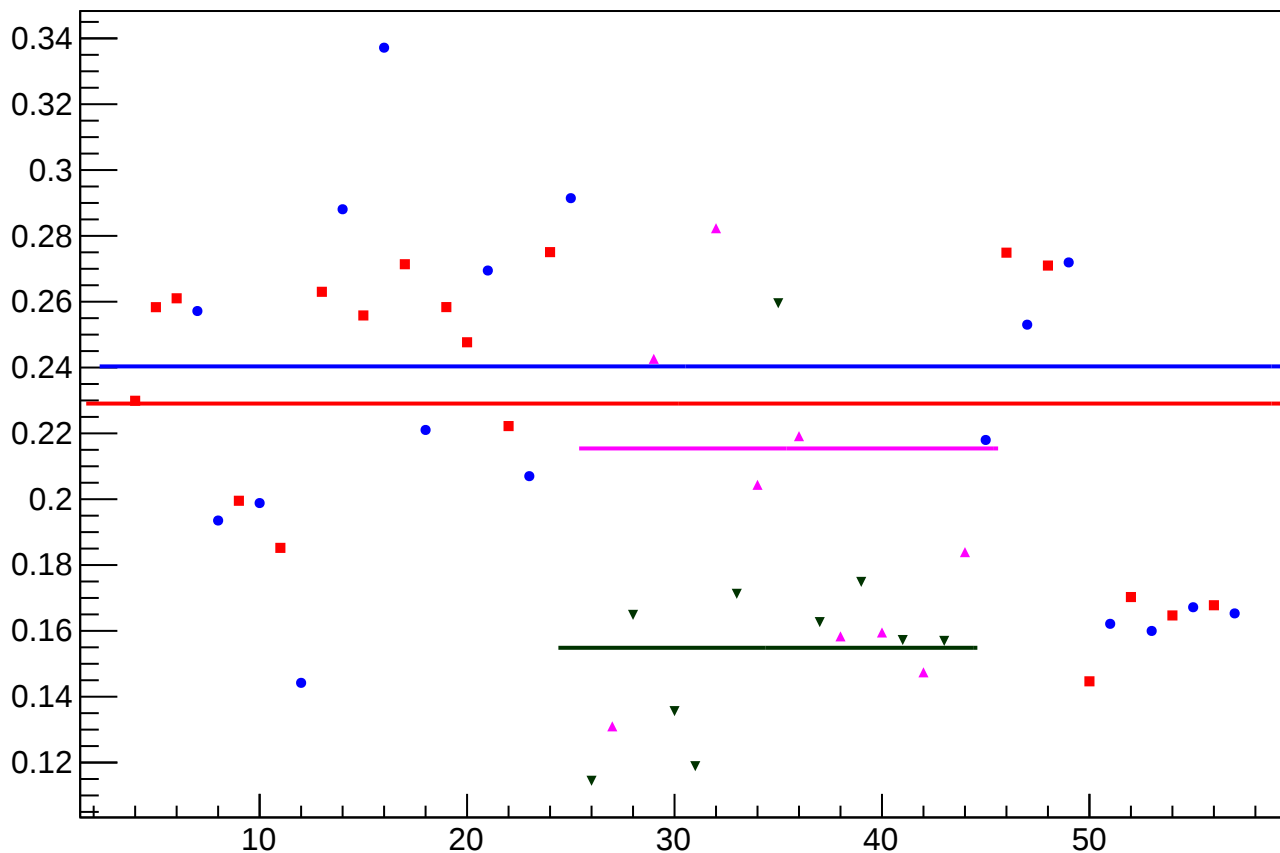
Right Out: 0.013 ± 0.000 χ^2/NDF : 716936.7/17

Left In: 0.013 ± 0.000 χ^2/NDF : 9868.2/8

0.013 ± 0.000 χ^2/NDF : 840129.6/26

0.013 ± 0.000 χ^2/NDF : 726805.0/26

yield_bpm0l09Y_mean vs slug



Right In: 0.240+/-0.000 χ^2/NDF : 2256000959.9/16

Left Out: 0.155+/-0.000 χ^2/NDF :491584814.3/9

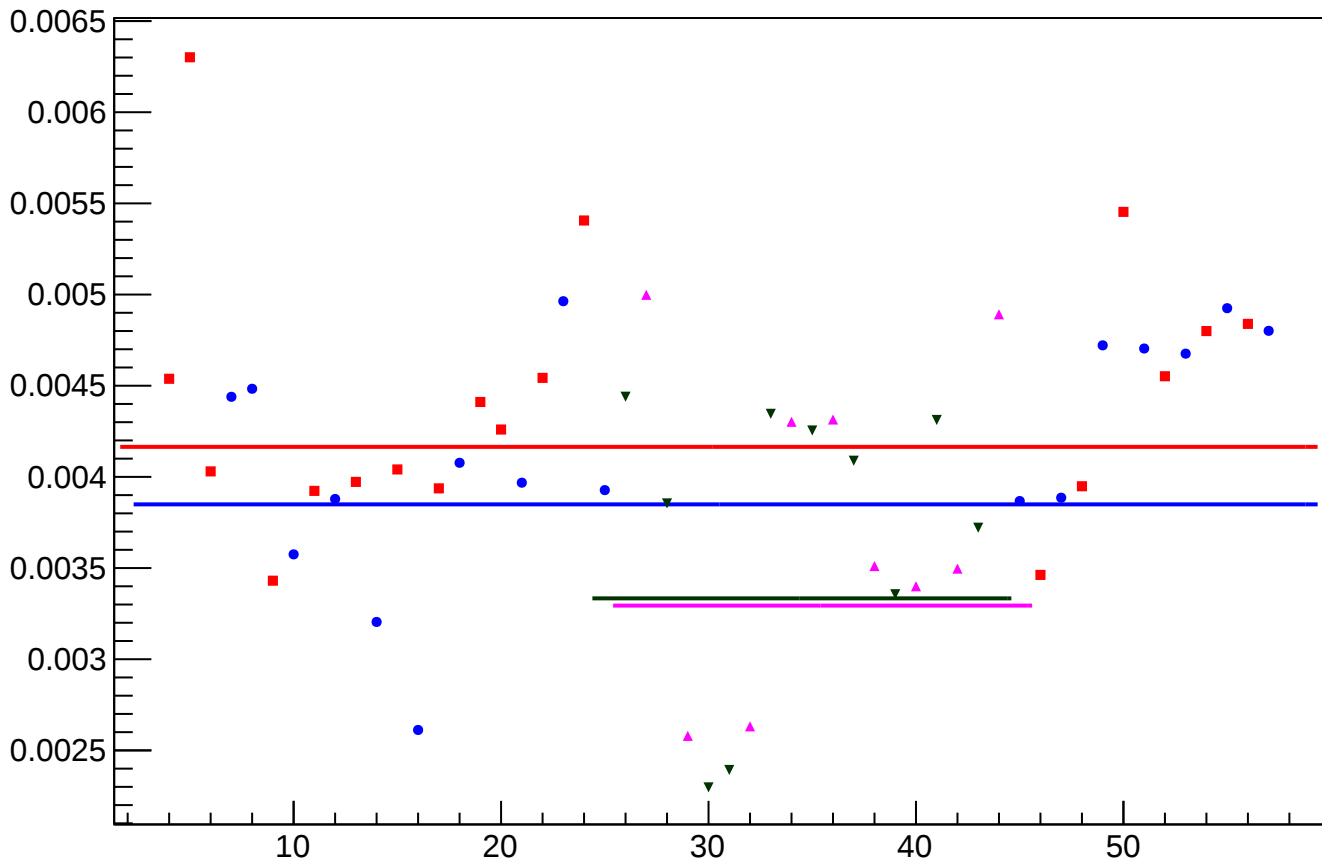
Right Out: 0.229+/-0.000 χ^2/NDF : 862503860.6/17

Left In: 0.215+/-0.000 χ^2/NDF :1302153804.0/8

0.207+/-0.000 χ^2/NDF : 4602012426.9/26

0.222+/-0.000 χ^2/NDF : 2208619153.5/26

yield_bpm0l09Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 656051.7/16

Left Out: 0.003+/-0.000 χ^2/NDF :596508.1/9

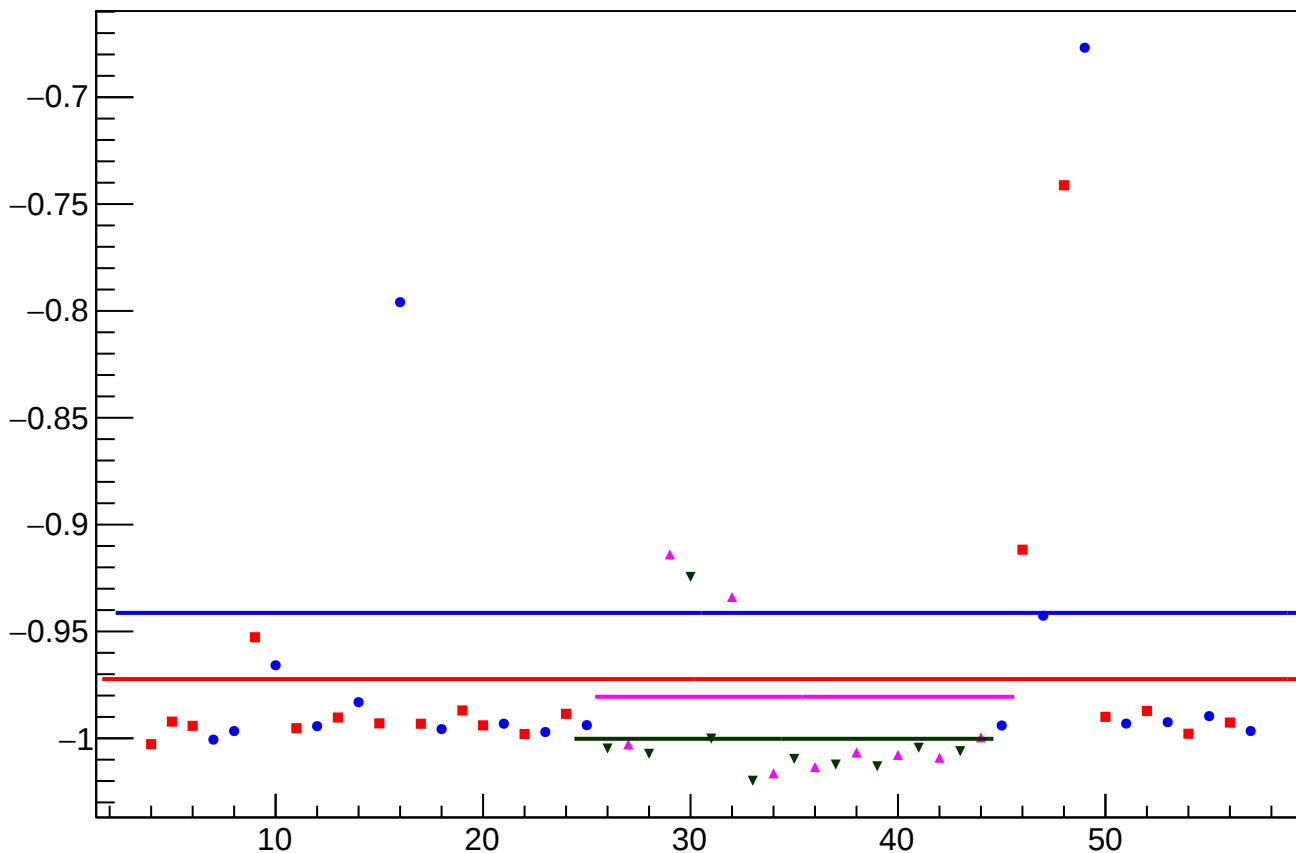
0.004+/-0.000 χ^2/NDF : 1387417.7/26

Right Out: 0.004+/-0.000 χ^2/NDF : 306059.9/17

0.004+/-0.000 χ^2/NDF : 1288765.7/26

Left In: 0.003+/-0.000 χ^2/NDF :624356.7/8

yield_bpm0l10X_mean vs slug



Right In: -0.941+/-0.000 χ^2/NDF : 647534653.9/16

Left Out: -1.000+/-0.000 χ^2/NDF : 20984094.7/9

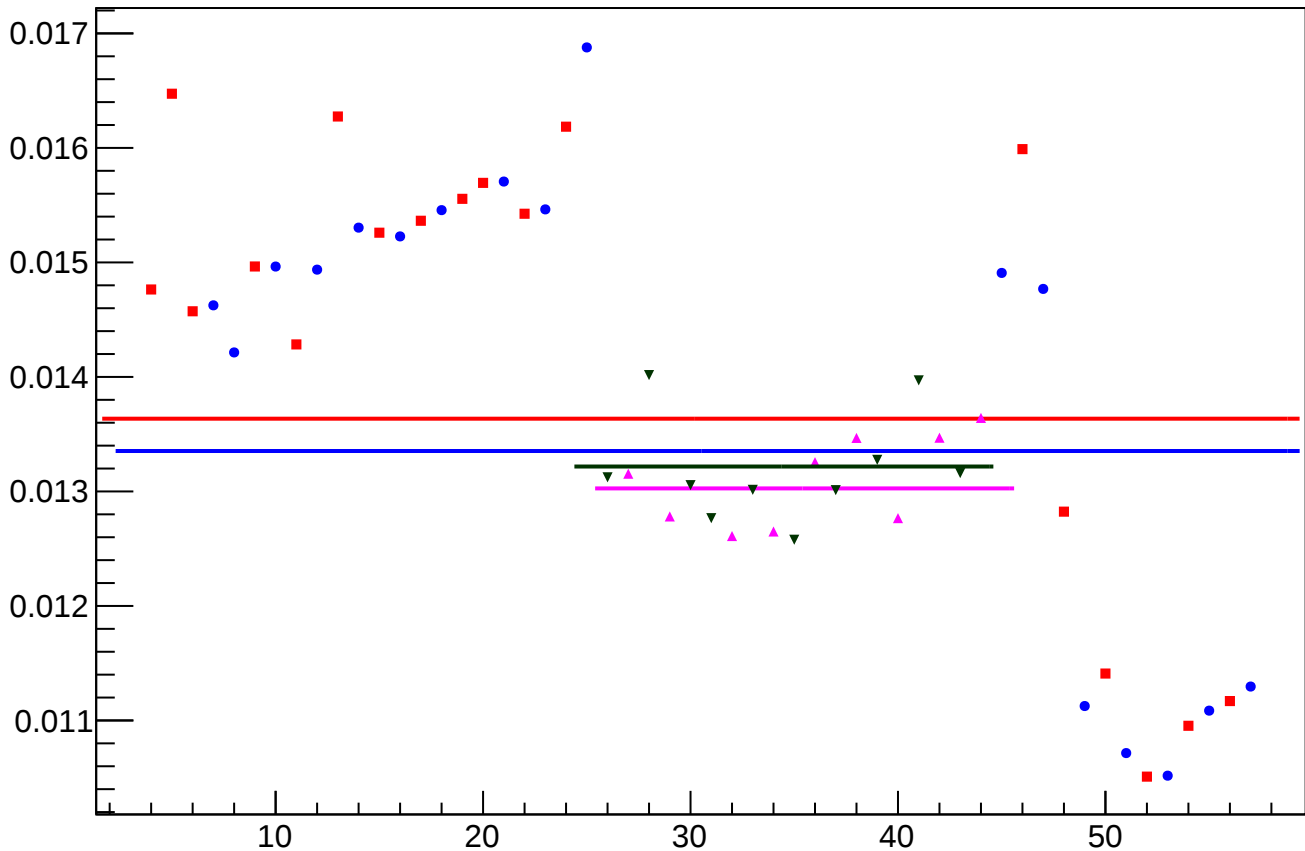
Right Out: -0.972+/-0.000 χ^2/NDF : 173682211.1/17

Left In: -0.981+/-0.000 χ^2/NDF : 51761164.5/8

-0.962+/-0.000 χ^2/NDF : 736841780.2/26

-0.976+/-0.000 χ^2/NDF : 226780884.3/26

yield_bpm0l10X_rms vs slug



Right In: 0.013+/-0.000 χ^2/NDF : 484869.1/16

Left Out: 0.013+/-0.000 χ^2/NDF :12265.8/9

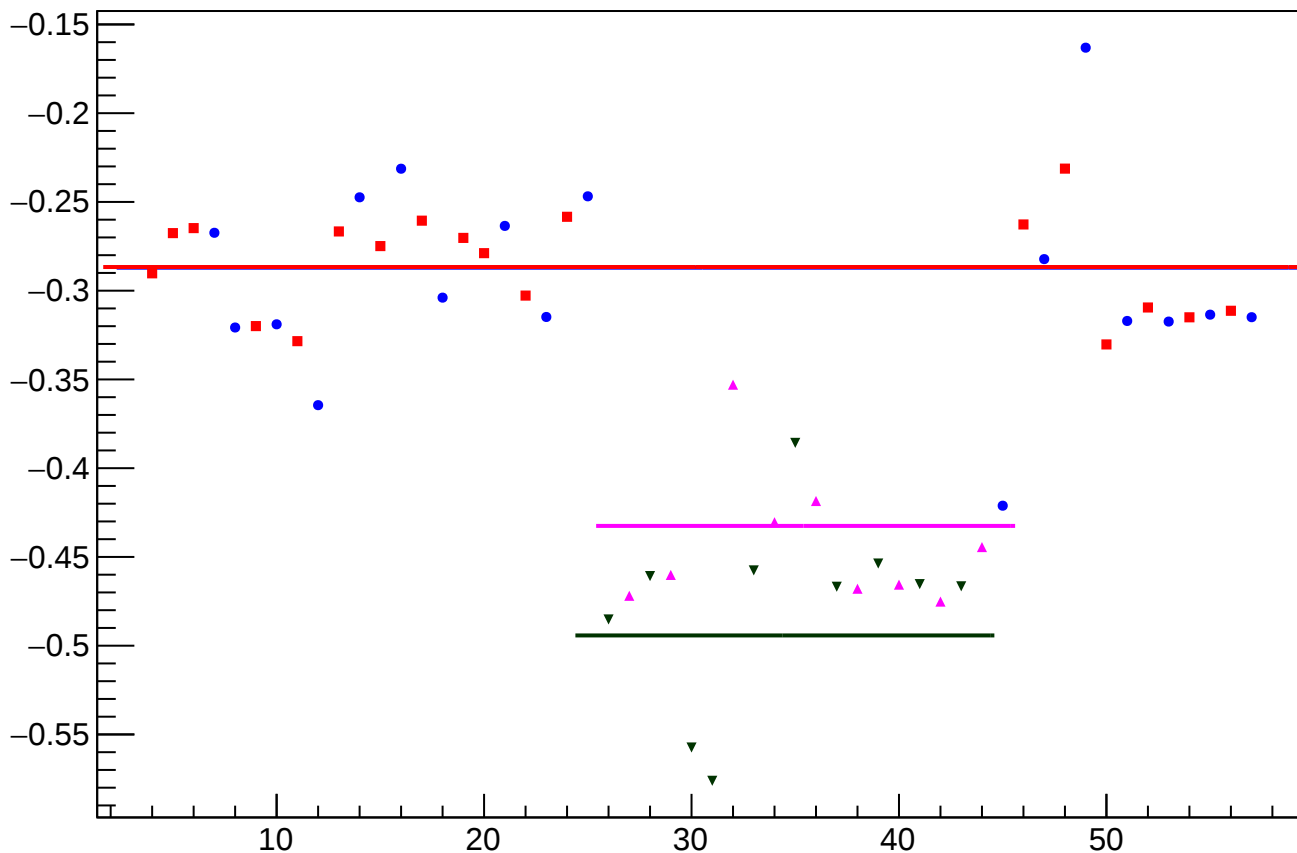
0.013+/-0.000 χ^2/NDF : 497857.6/26

Right Out: 0.014+/-0.000 χ^2/NDF : 429289.7/17

0.013+/-0.000 χ^2/NDF : 452275.1/26

Left In: 0.013+/-0.000 χ^2/NDF :8570.4/8

yield_bpm0l10Y_mean vs slug



Right In: -0.287+/-0.000 χ^2 /NDF: 2584309374.3/16

Left Out: -0.494+/-0.000 χ^2 /NDF:1568805763.5/9

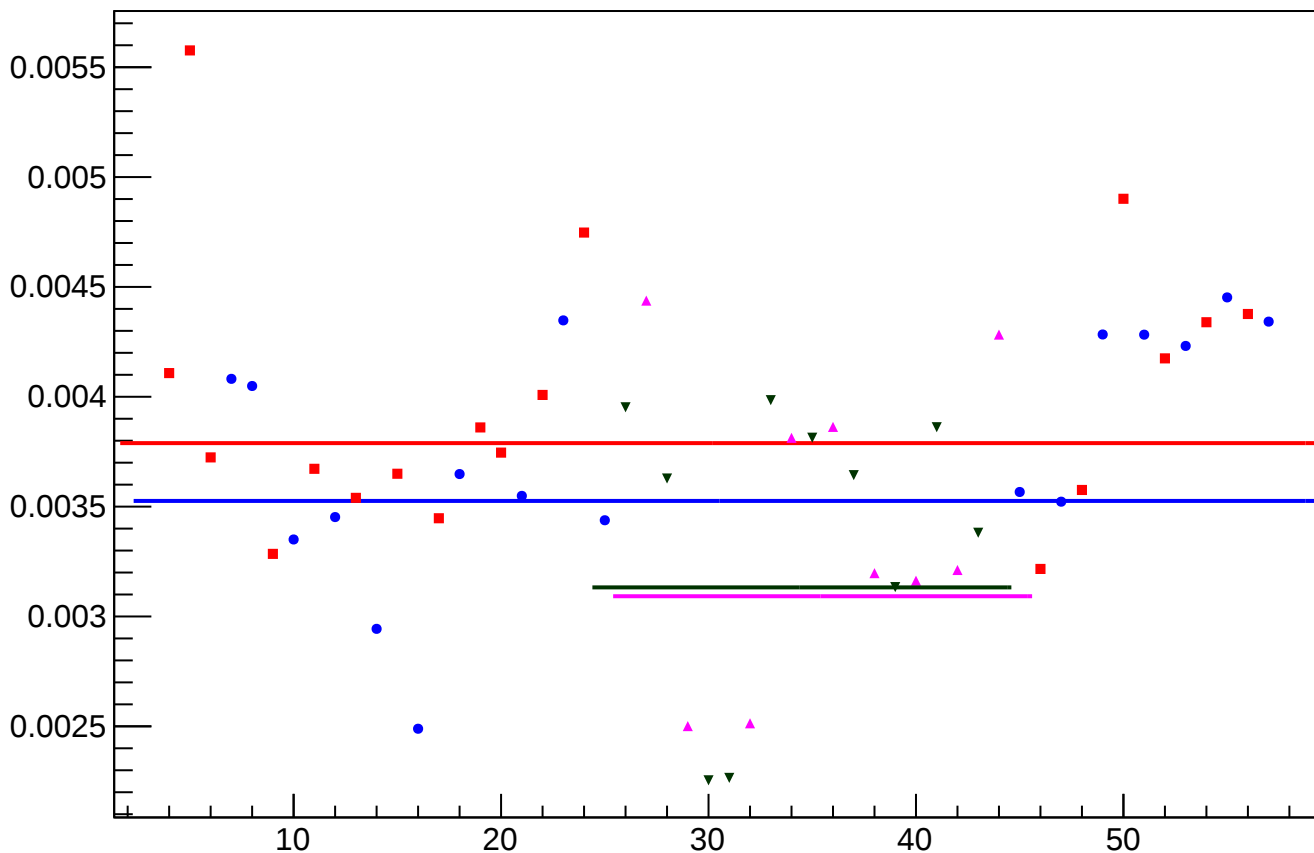
-0.367+/-0.000 χ^2 /NDF: 16974544672.6/26

Right Out: -0.287+/-0.000 χ^2 /NDF: 495697747.4/17

-0.355+/-0.000 χ^2 /NDF: 7671981116.8/26

Left In: -0.433+/-0.000 χ^2 /NDF:1186728653.8/8

yield_bpm0l10Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 550254.5/16

Left Out: 0.003+/-0.000 χ^2/NDF : 463941.8/9

Right Out: 0.004+/-0.000 χ^2/NDF : 249878.2/17

Left In: 0.003+/-0.000 χ^2/NDF : 472745.5/8

0.003+/-0.000 χ^2/NDF : 1106712.1/26

0.003+/-0.000 χ^2/NDF : 996145.4/26