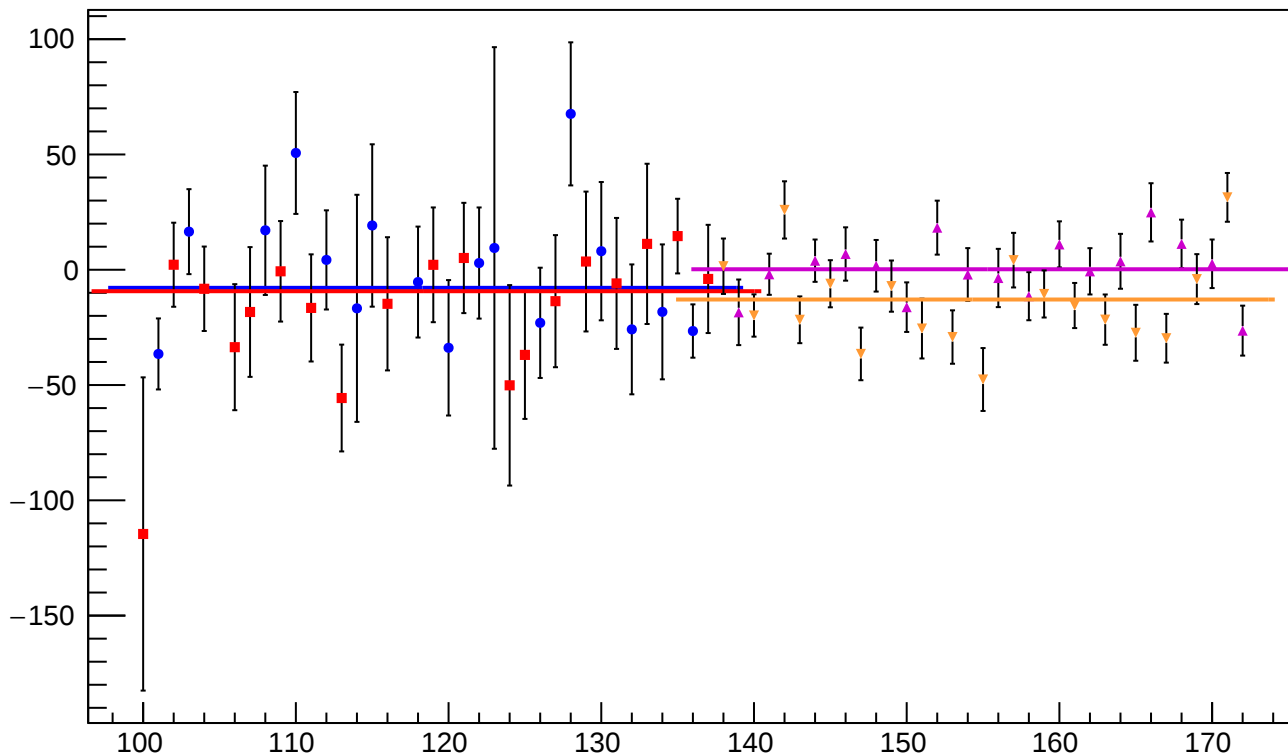


diff_bpm4aX_mean vs Slug



Right In: -7.841 ± 5.608

χ^2/NDF : 22.6/16

Left Out: -12.907 ± 2.600

χ^2/NDF : 51.9/17

Right Out: -9.309 ± 5.677

χ^2/NDF : 13.2/18

Left In: 0.214 ± 2.638

χ^2/NDF : 20.7/16

+ sign -12.011 ± 2.359

χ^2/NDF : 75.2/34

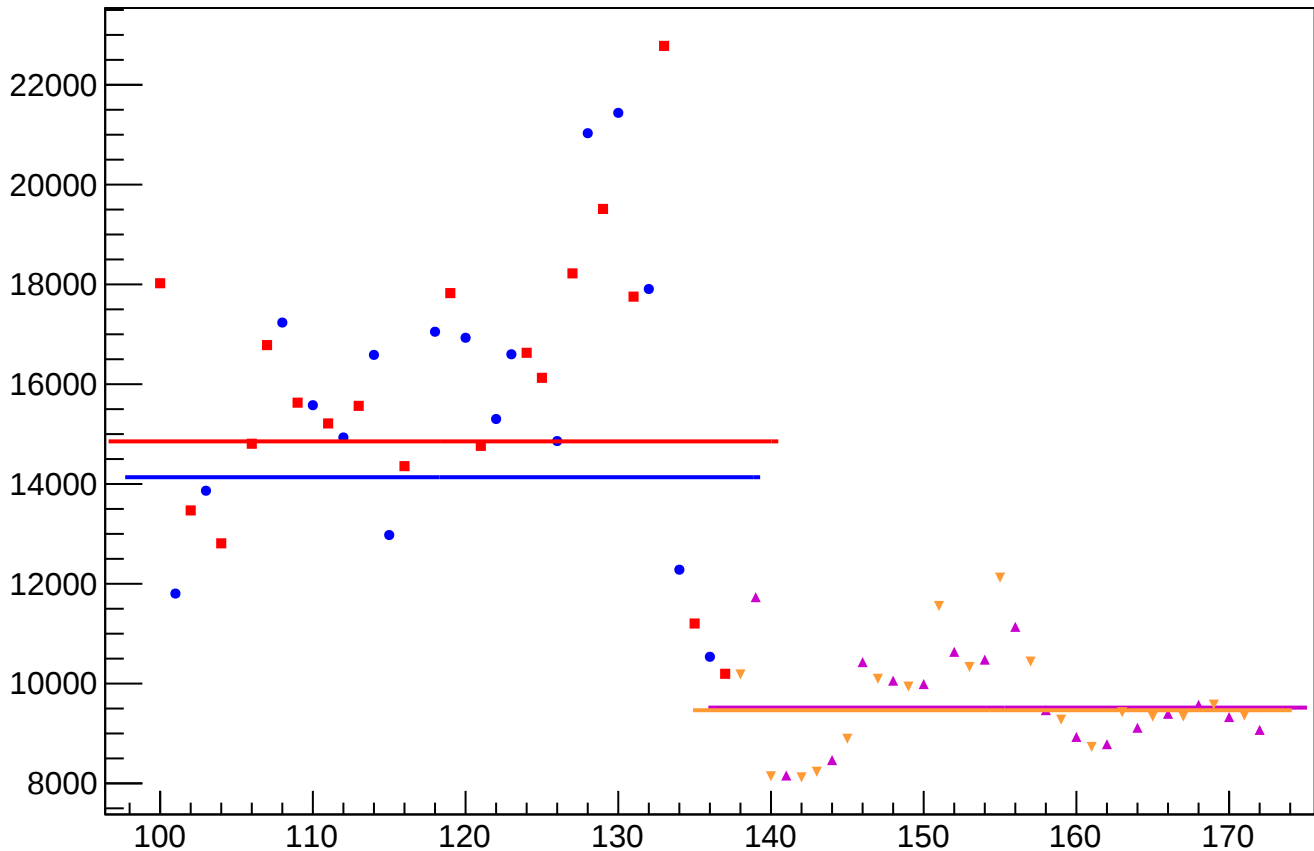
All: -6.817 ± 1.680

χ^2/NDF : 121.3/70

- sign -1.477 ± 2.392

χ^2/NDF : 36.2/35

diff_bpm4aX_rms vs Slug



Right In: 14135.800 $\pm$ 3.966 χ^2 /NDF: 597179.4/16

Left Out: 9465.935 $\pm$ 1.839 χ^2 /NDF:283169.2/17

Right Out: 14854.033 $\pm$ 4.014 χ^2 /NDF: 472017.6/18

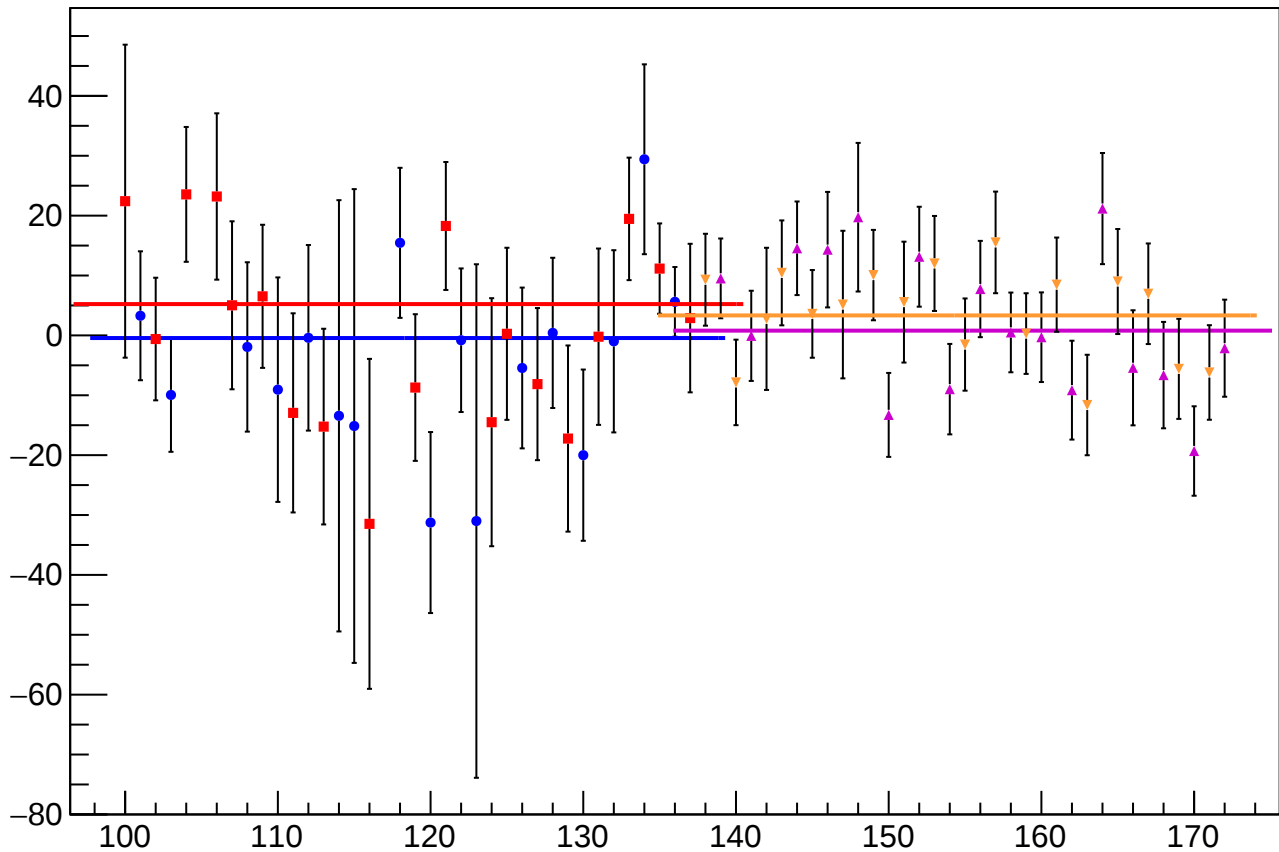
Left In: 9518.571 $\pm$ 1.865 χ^2 /NDF:231564.1/16

+ sign 10292.092 $\pm$ 1.668 χ^2 /NDF: 2021700.1/34

All: 10377.721 $\pm$ 1.188 χ^2 /NDF: 4183489.3/7

- sign 10465.773 $\pm$ 1.691 χ^2 /NDF: 2156443.8/35

diff_bpm4aY_mean vs Slug



Right In: -0.441 ± 3.071 χ^2/NDF : 14.5/16

Left Out: 3.336 ± 1.939 χ^2/NDF : 15.3/17

Right Out: 5.229 ± 2.936 χ^2/NDF : 19.4/18

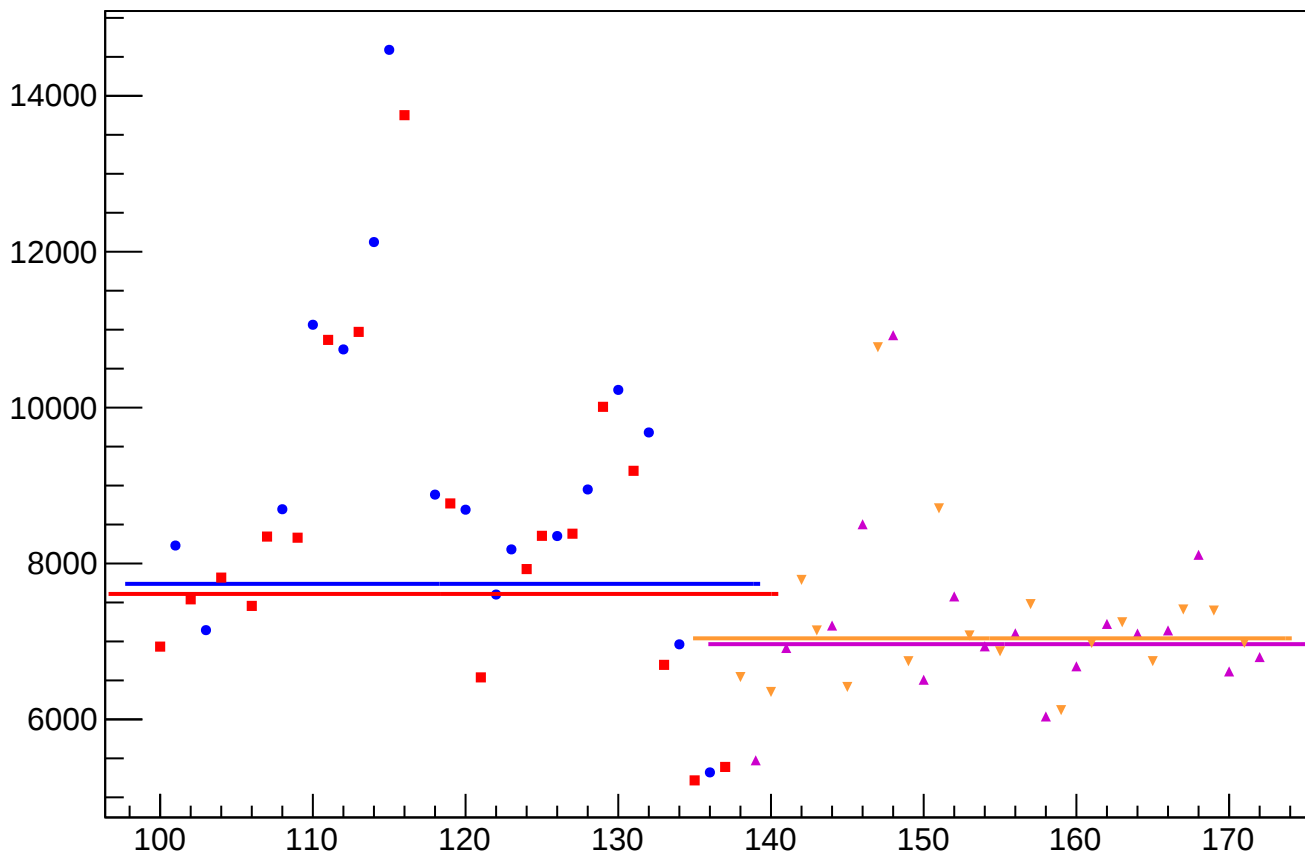
Left In: 0.795 ± 1.943 χ^2/NDF : 32.5/16

+ sign 2.259 ± 1.640 χ^2/NDF : 30.9/34

All: 2.202 ± 1.153 χ^2/NDF : 84.4/70

- sign 2.146 ± 1.620 χ^2/NDF : 53.5/35

diff_bpm4aY_rms vs Slug



Right In: 7738.886 $\pm$ 2.172 χ^2 /NDF: 740836.7/16

Left Out: 7039.934 $\pm$ 1.371 χ^2 /NDF:345887.5/17

Right Out: 7609.531 $\pm$ 2.076 χ^2 /NDF: 679180.7/18

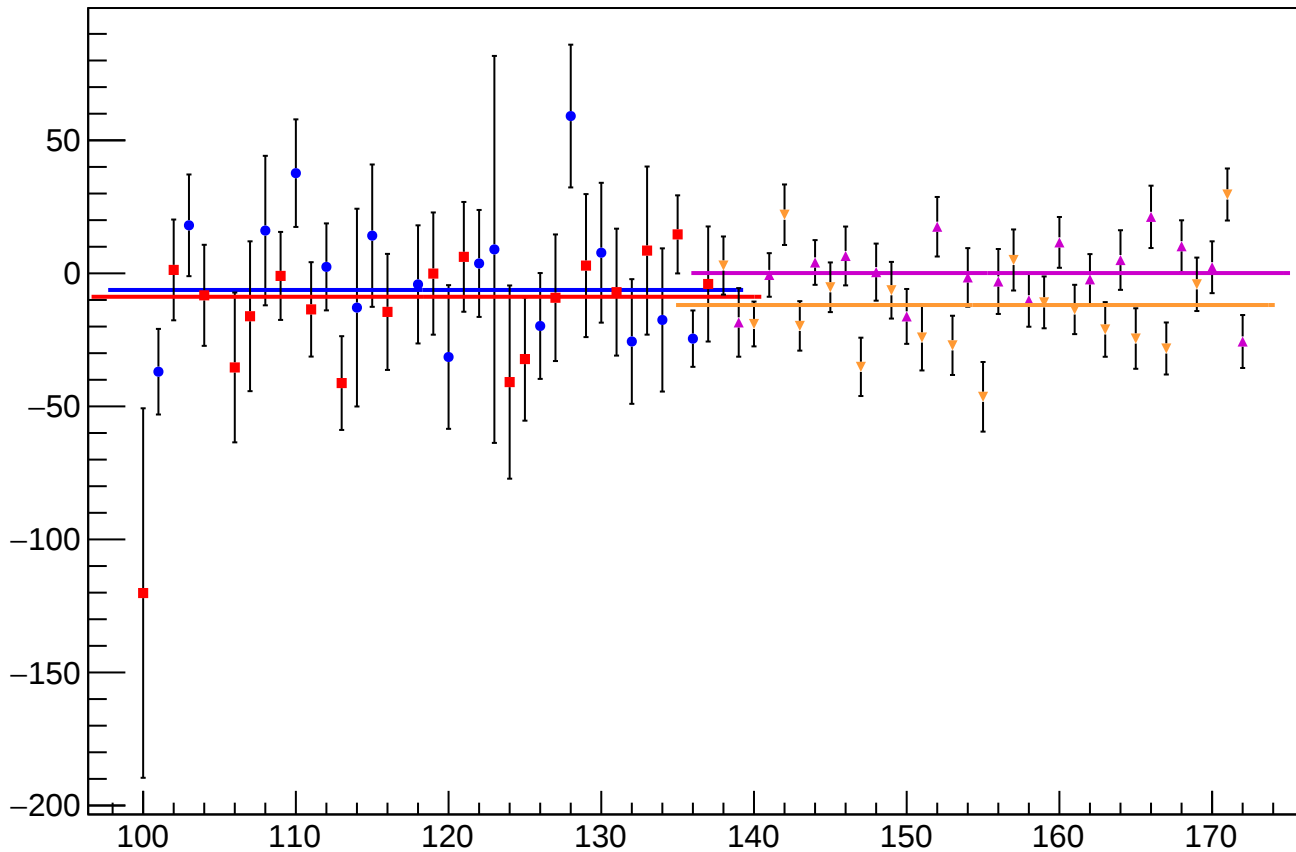
Left In: 6965.228 $\pm$ 1.374 χ^2 /NDF:460147.7/16

+ sign 7239.201 $\pm$ 1.159 χ^2 /NDF: 1160787.3/34

All: 7199.906 $\pm$ 0.815 χ^2 /NDF: 2369365.3/70

- sign 7161.529 $\pm$ 1.146 χ^2 /NDF: 1206307.7/35

diff_bpm4eX_mean vs Slug



Right In: -6.244 ± 5.017 χ^2/NDF : 23.2/16

Left Out: -11.901 ± 2.435 χ^2/NDF : 52.9/17

Right Out: -8.802 ± 4.999 χ^2/NDF : 13.1/18

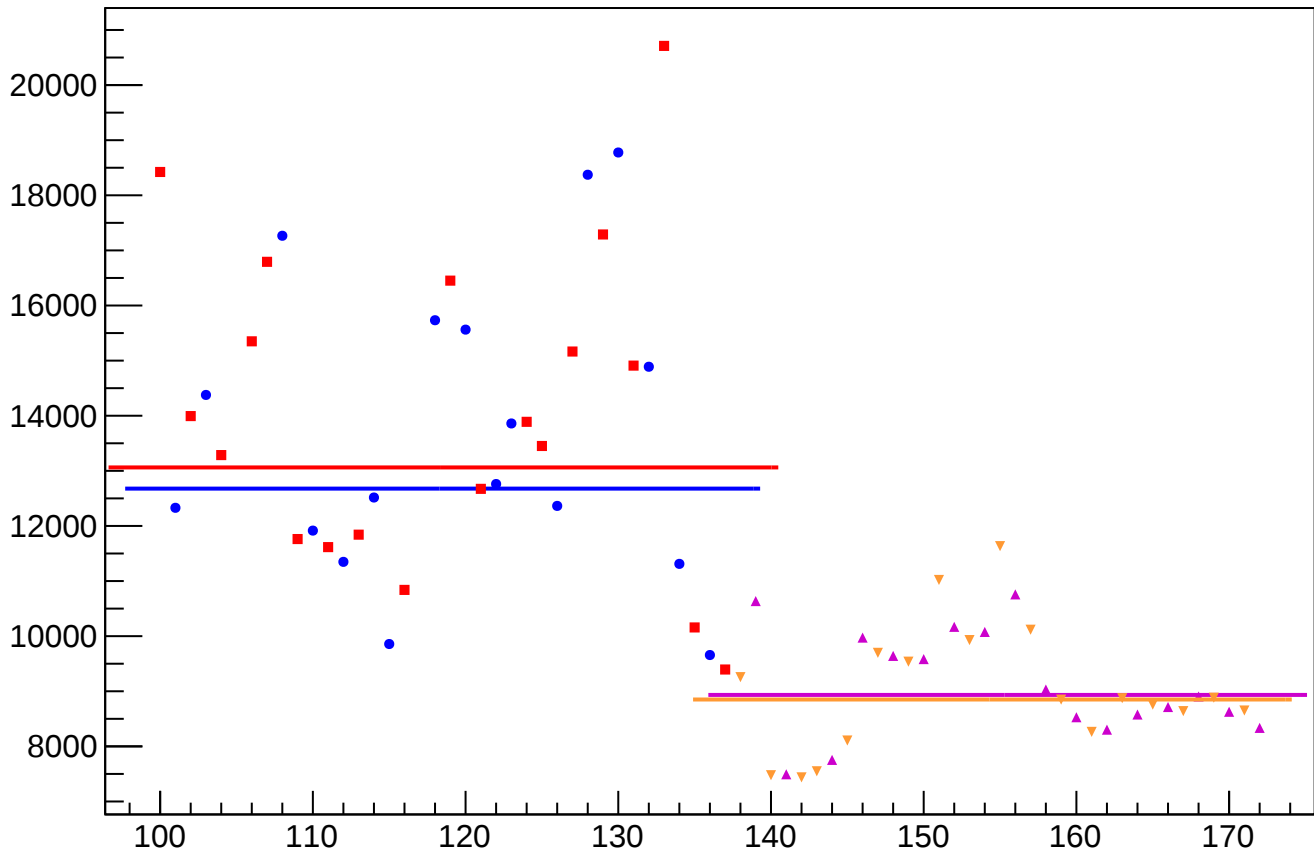
Left In: 0.111 ± 2.478 χ^2/NDF : 21.5/16

+ sign -10.823 ± 2.191 χ^2/NDF : 77.1/34

All: -6.297 ± 1.559 χ^2/NDF : 122.9/70

- sign -1.647 ± 2.220 χ^2/NDF : 37.2/35

diff_bpm4eX_rms vs Slug



Right In: 12677.516+/-3.548 χ^2/NDF : 553605.5/16

Left Out: 8850.582+/-1.722 χ^2/NDF : 364013.9/17

Right Out: 13061.839+/-3.535 χ^2/NDF : 497429.6/18

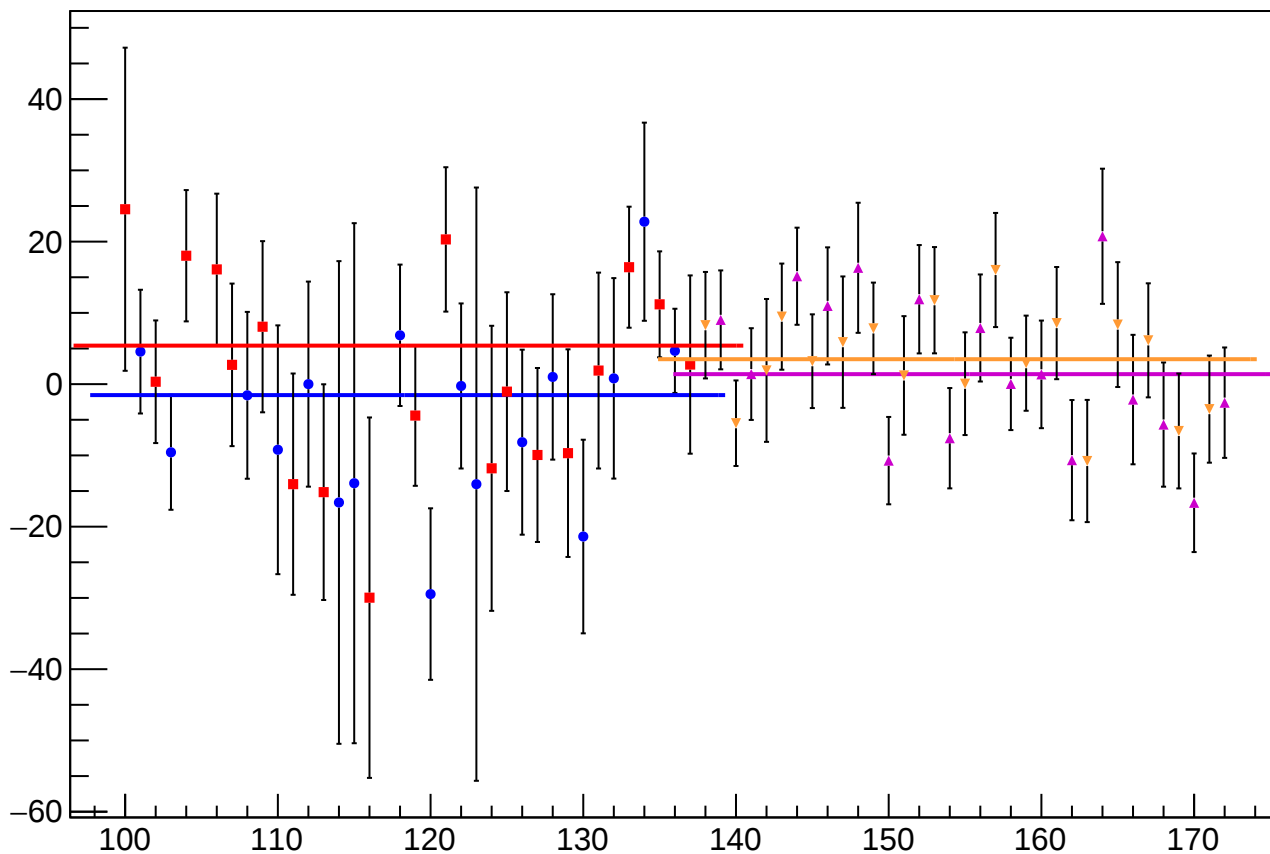
Left In: 8933.698+/-1.752 χ^2/NDF : 285561.1/16

+ sign 9580.129+/-1.549 χ^2/NDF : 1859352.2/34

All: 9662.885+/-1.103 χ^2/NDF : 3742875.9/70

- sign 9747.888+/-1.570 χ^2/NDF : 1877737.9/35

diff_bpm4eY_mean vs Slug



Right In: -1.538 ± 2.790 $\chi^2/\text{NDF}: 14.8/16$

Left Out: 3.500 ± 1.785 $\chi^2/\text{NDF}: 13.9/17$

Right Out: 5.405 ± 2.640 $\chi^2/\text{NDF}: 18.6/18$

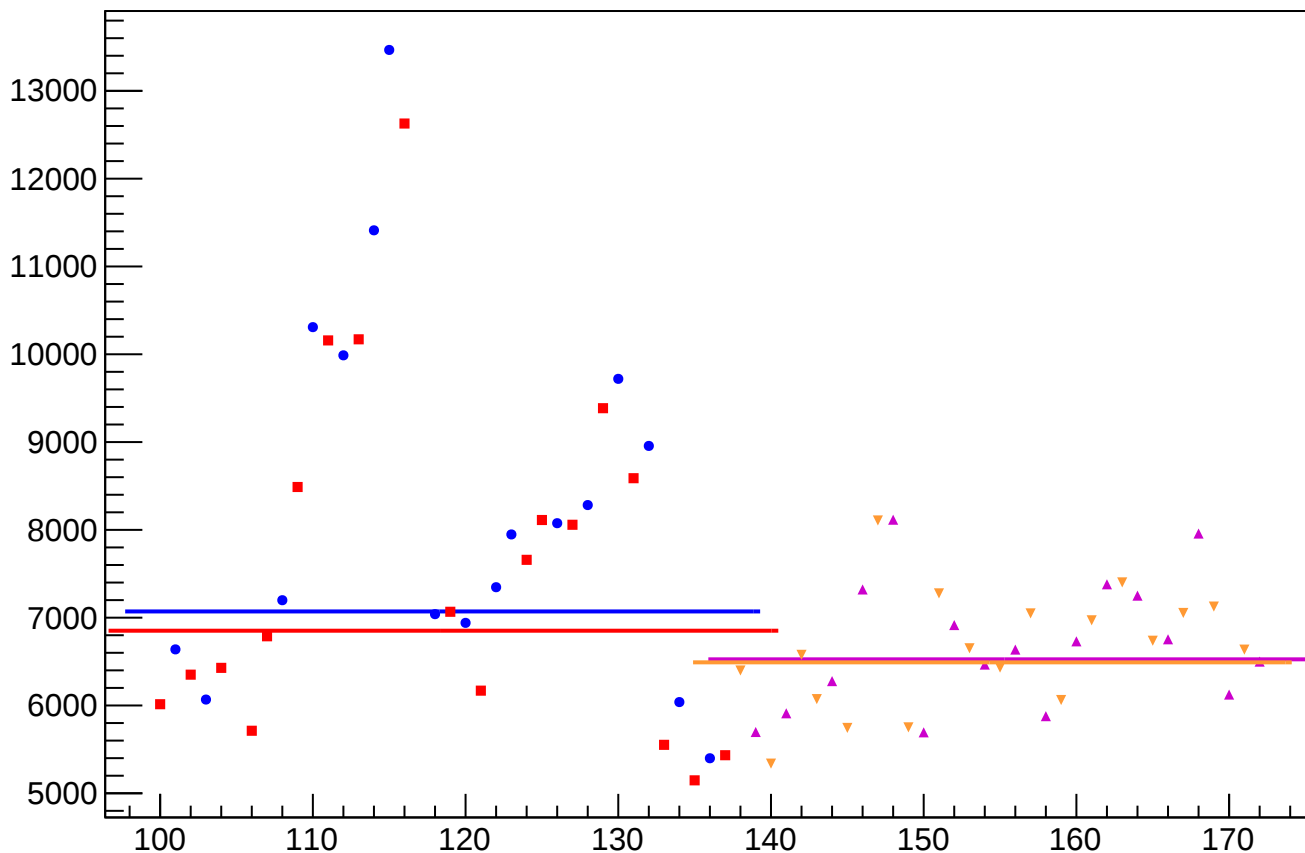
Left In: 1.402 ± 1.812 $\chi^2/\text{NDF}: 31.6/16$

+ sign 2.037 ± 1.503 $\chi^2/\text{NDF}: 31.0/34$

All: 2.363 ± 1.060 $\chi^2/\text{NDF}: 82.9/70$

- sign 2.685 ± 1.494 $\chi^2/\text{NDF}: 51.8/35$

diff_bpm4eY_rms vs Slug



Right In: 7071.043 $\pm$ 1.973 χ^2 /NDF: 600748.1/16

Left Out: 6491.263 $\pm$ 1.262 χ^2 /NDF: 285832.5/17

Right Out: 6851.604 $\pm$ 1.866 χ^2 /NDF: 684398.7/18

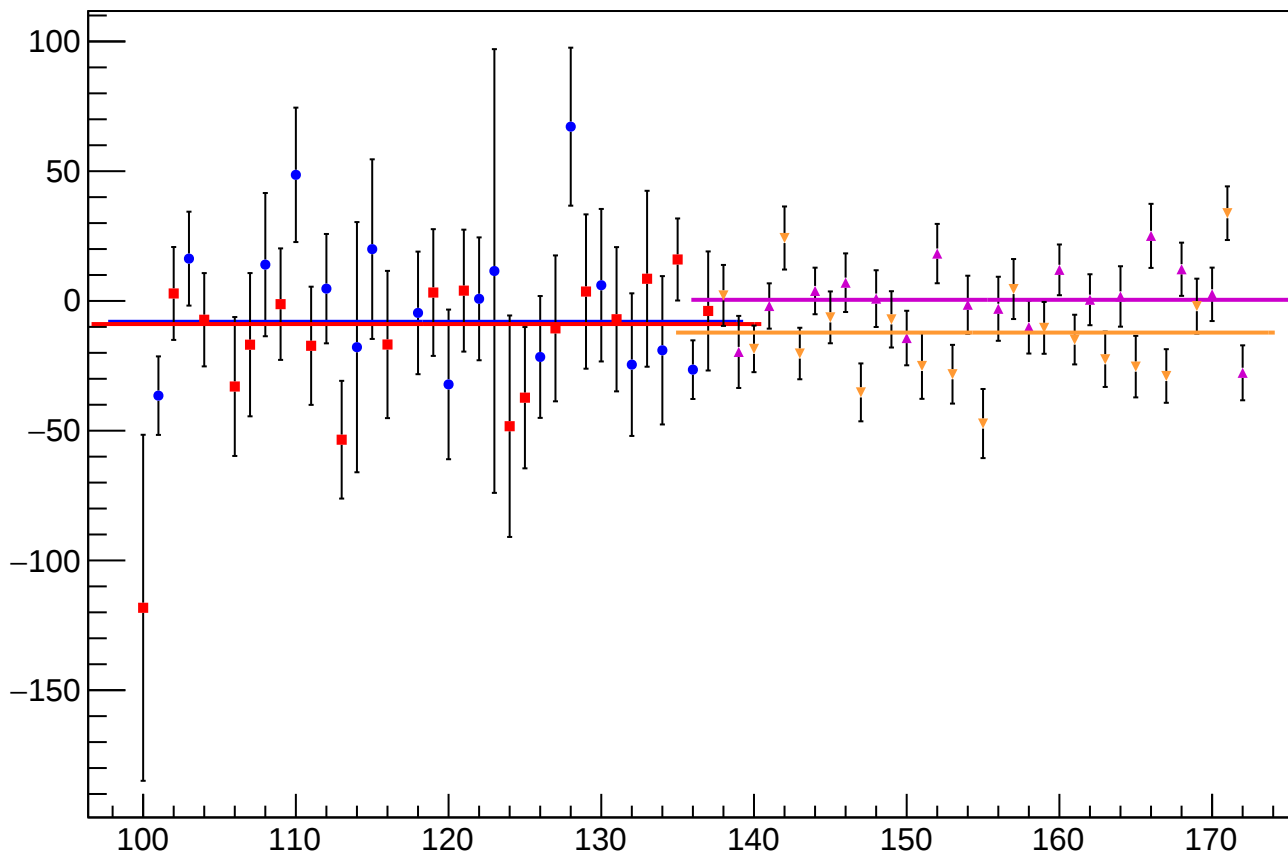
Left In: 6525.516 $\pm$ 1.282 χ^2 /NDF: 287142.0/16

+ sign 6659.586 $\pm$ 1.063 χ^2 /NDF: 947856.9/34

All: 6644.697 $\pm$ 0.749 χ^2 /NDF: 1940530.3/70

- sign 6629.994 $\pm$ 1.057 χ^2 /NDF: 992283.6/35

diff_bpm4acX_mean vs Slug



Right In: -8.036 ± 5.497 χ^2/NDF : 22.6/16

Left Out: -12.194 ± 2.542 χ^2/NDF : 54.2/17

Right Out: -8.907 ± 5.566 χ^2/NDF : 13.7/18

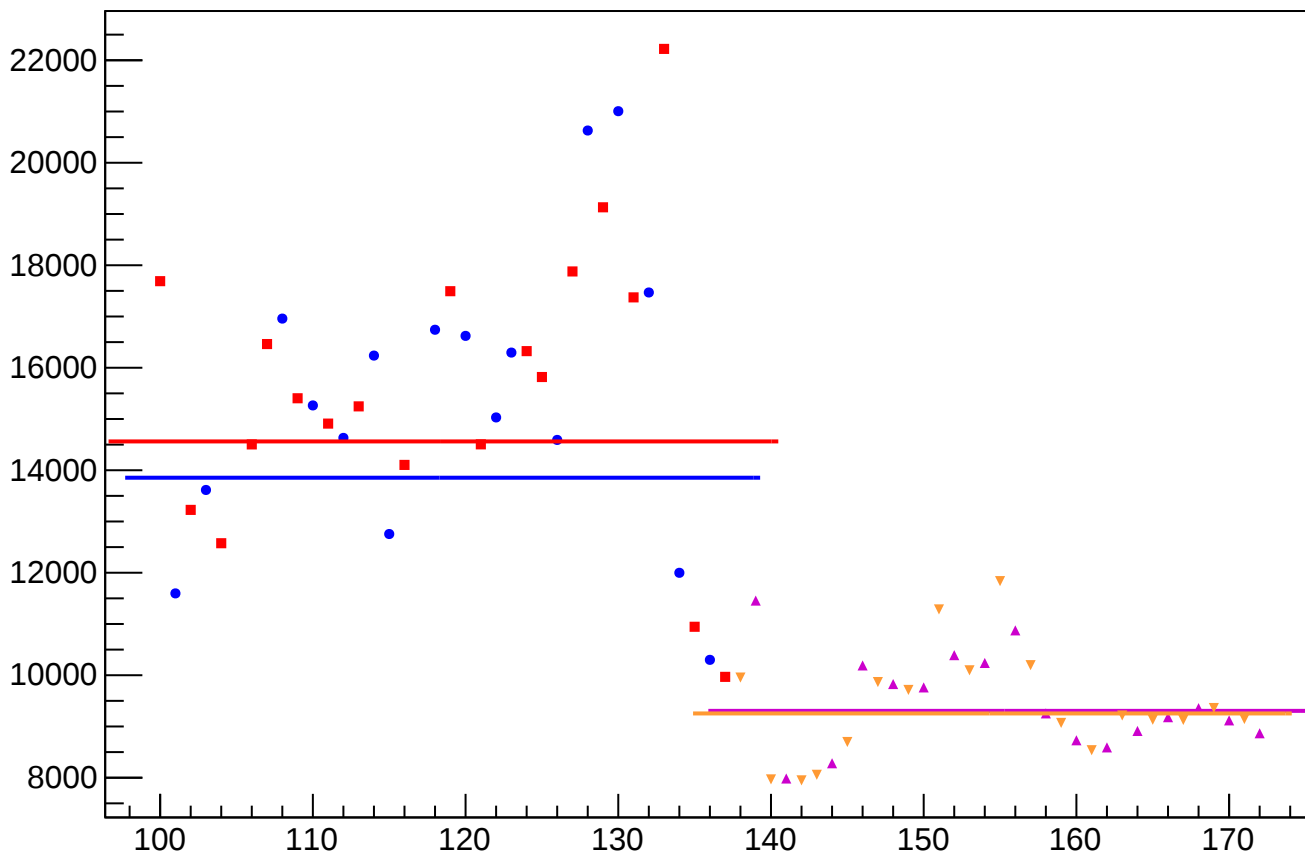
Left In: 0.434 ± 2.578 χ^2/NDF : 22.0/16

+ sign -11.462 ± 2.307 χ^2/NDF : 77.2/34

All: -6.410 ± 1.643 χ^2/NDF : 125.0/70

- sign -1.216 ± 2.339 χ^2/NDF : 38.0/35

diff_bpm4acX_rms vs Slug



Right In: 13854.187+/-3.887 χ^2/NDF : 600963.4/16

Left Out: 9254.164+/-1.797 χ^2/NDF : 279962.3/17

Right Out: 14562.308+/-3.936 χ^2/NDF : 474279.5/18

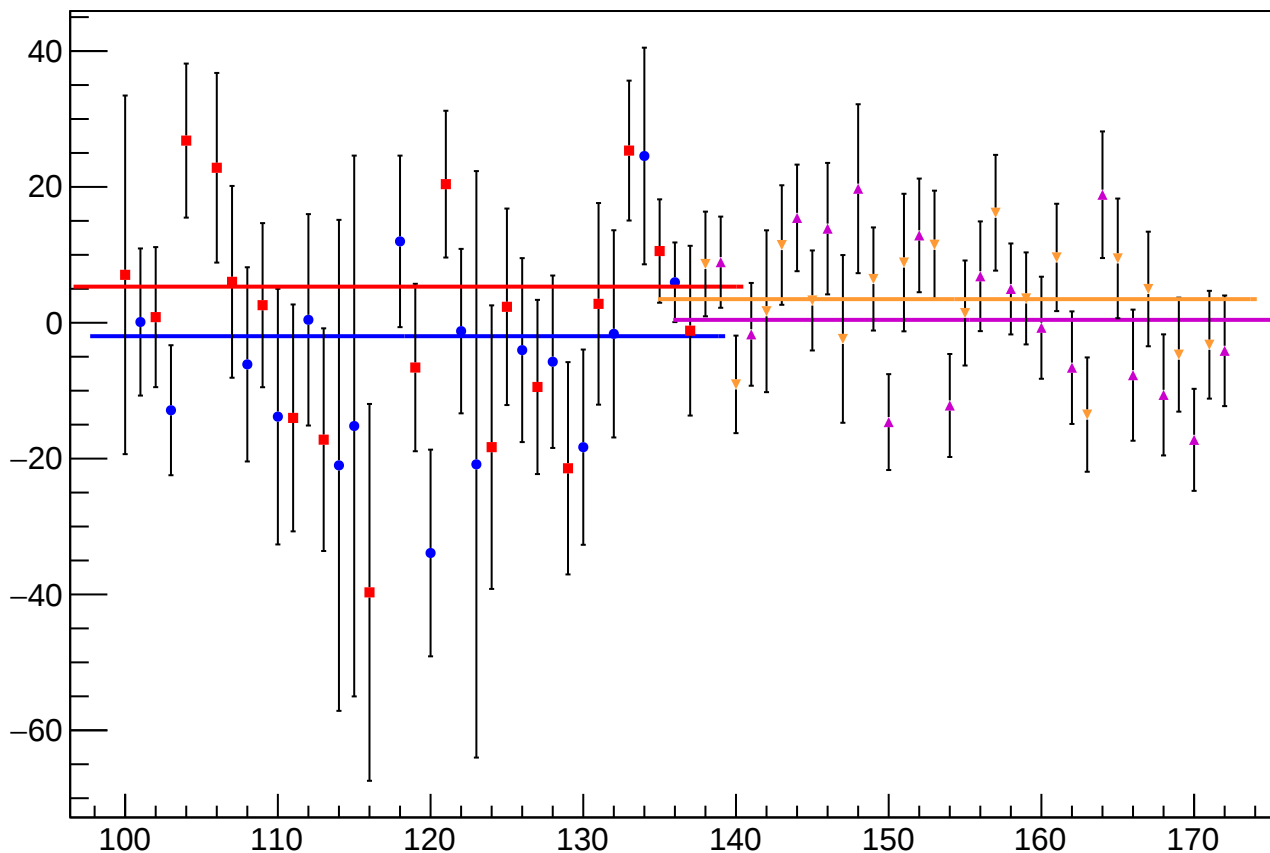
Left In: 9304.711+/-1.823 χ^2/NDF : 228882.7/16

+ sign 10064.285+/-1.631 χ^2/NDF : 2034658.2/34

All: 10147.675+/-1.162 χ^2/NDF : 4212320.5/7

- sign 10233.421+/-1.654 χ^2/NDF : 2172362.3/35

diff_bpm4acY_mean vs Slug



Right In: -1.978 ± 3.094 χ^2/NDF : 14.0/16

Left Out: 3.478 ± 1.948 χ^2/NDF : 15.2/17

Right Out: 5.318 ± 2.959 χ^2/NDF : 24.3/18

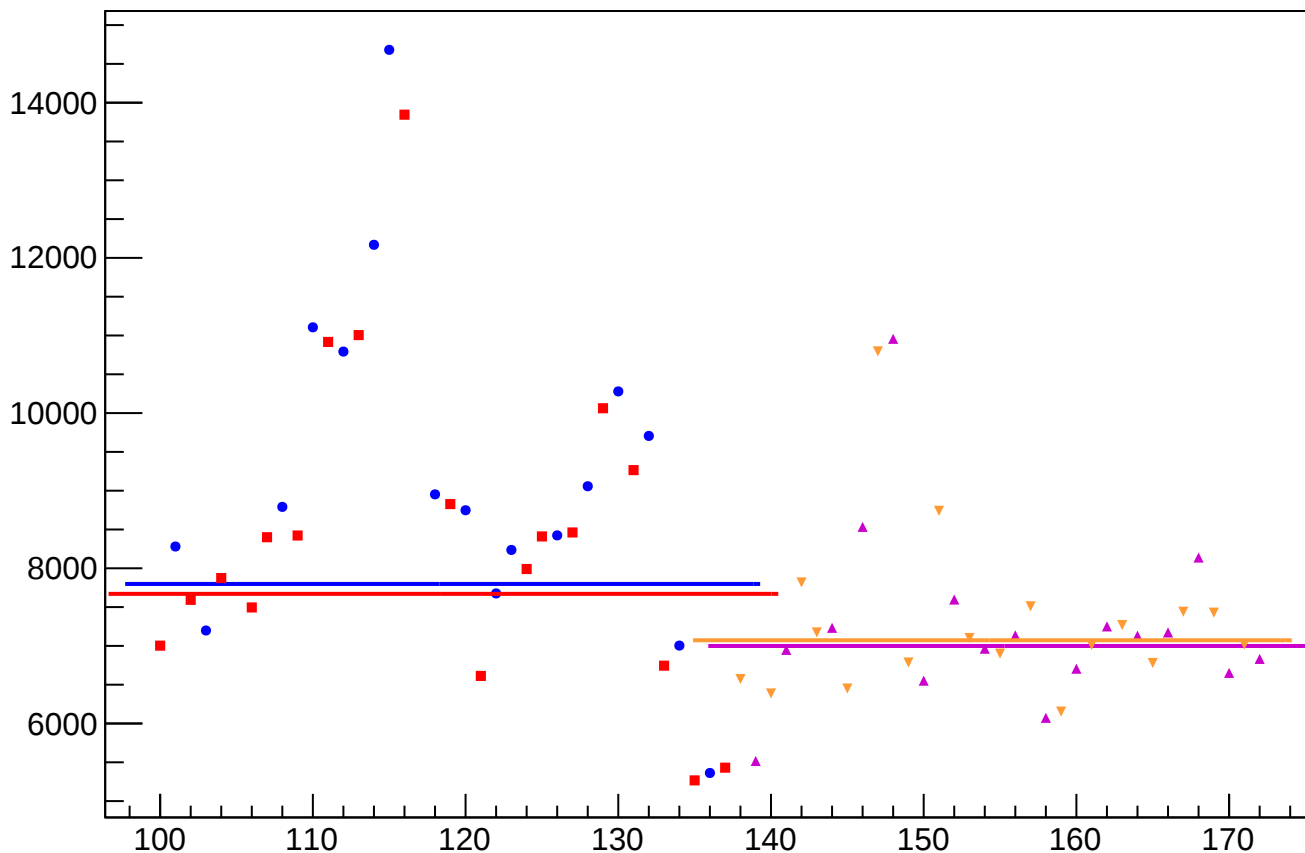
Left In: 0.427 ± 1.952 χ^2/NDF : 33.0/16

+ sign 1.929 ± 1.648 χ^2/NDF : 31.4/34

All: 1.920 ± 1.159 χ^2/NDF : 90.7/70

- sign 1.911 ± 1.630 χ^2/NDF : 59.2/35

diff_bpm4acY_rms vs Slug



Right In: 7798.267+/-2.188 χ^2/NDF : 736283.6/16

Left Out: 7072.561+/-1.377 χ^2/NDF : 341990.1/17

Right Out: 7670.584+/-2.092 χ^2/NDF : 672691.0/18

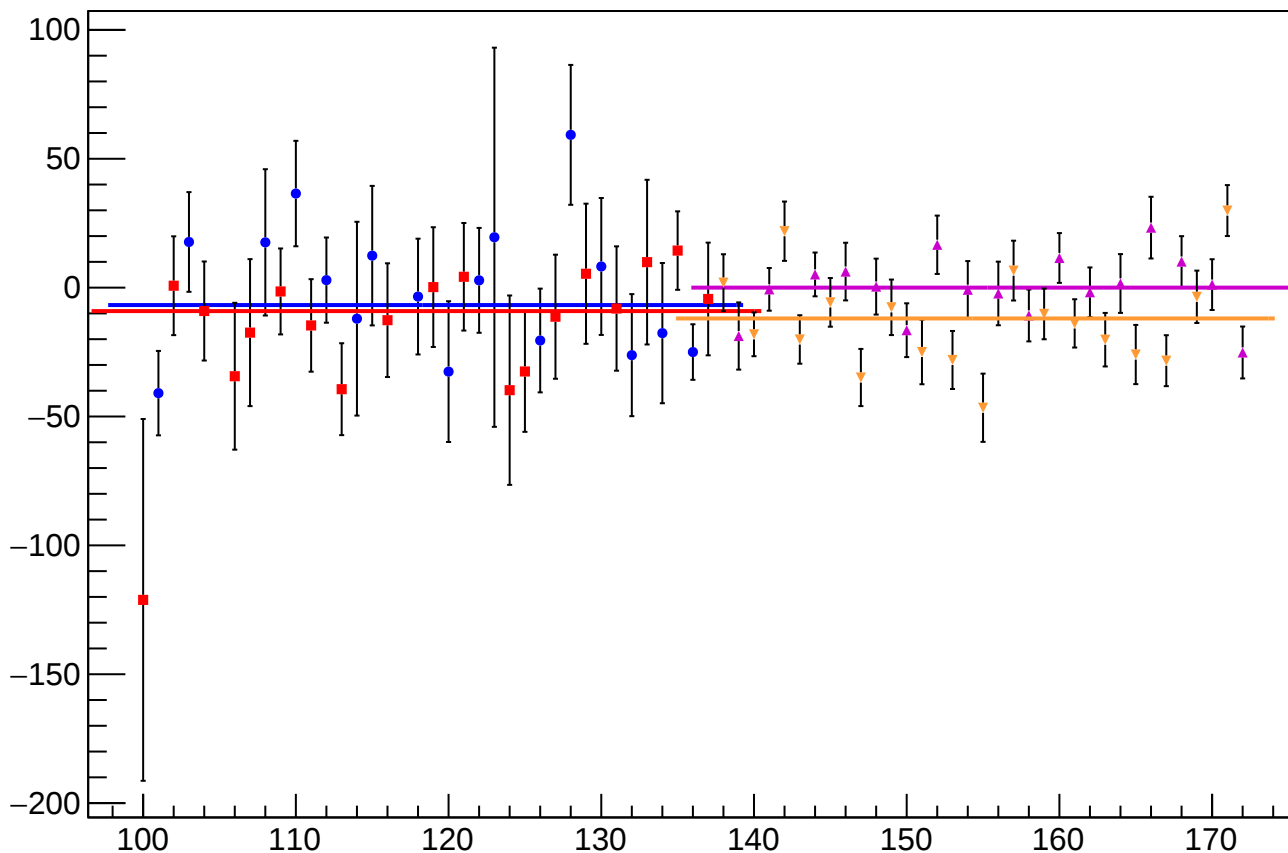
Left In: 6998.988+/-1.381 χ^2/NDF : 453138.7/16

+ sign 7278.576+/-1.166 χ^2/NDF : 1157070.4/34

All: 7240.216+/-0.819 χ^2/NDF : 2356837.5/70

- sign 7202.733+/-1.152 χ^2/NDF : 1197626.0/35

diff_bpm4ecX_mean vs Slug



Right In: -6.760 ± 5.085 χ^2/NDF : 23.7/16

Left Out: -11.958 ± 2.462 χ^2/NDF : 52.5/17

Right Out: -9.102 ± 5.070 χ^2/NDF : 12.2/18

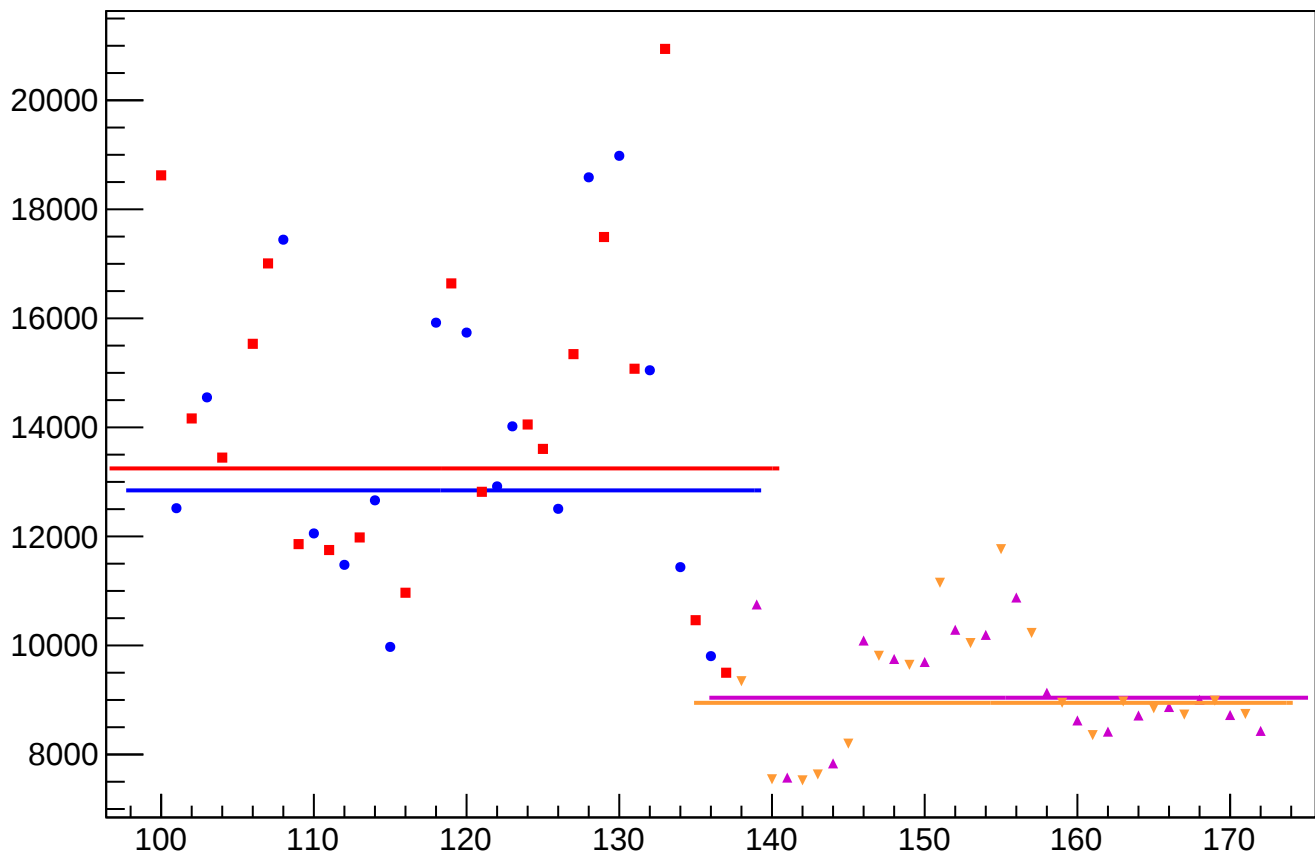
Left In: 0.005 ± 2.508 χ^2/NDF : 21.2/16

+ sign -10.971 ± 2.216 χ^2/NDF : 77.0/34

All: -6.445 ± 1.578 χ^2/NDF : 121.5/70

- sign -1.785 ± 2.248 χ^2/NDF : 36.0/35

diff_bpm4ecX_rms vs Slug



Right In: 12844.321+/-3.595 χ^2/NDF : 547271.0/16

Left Out: 8947.238+/-1.741 χ^2/NDF : 365652.2/17

Right Out: 13247.253+/-3.585 χ^2/NDF : 485481.6/18

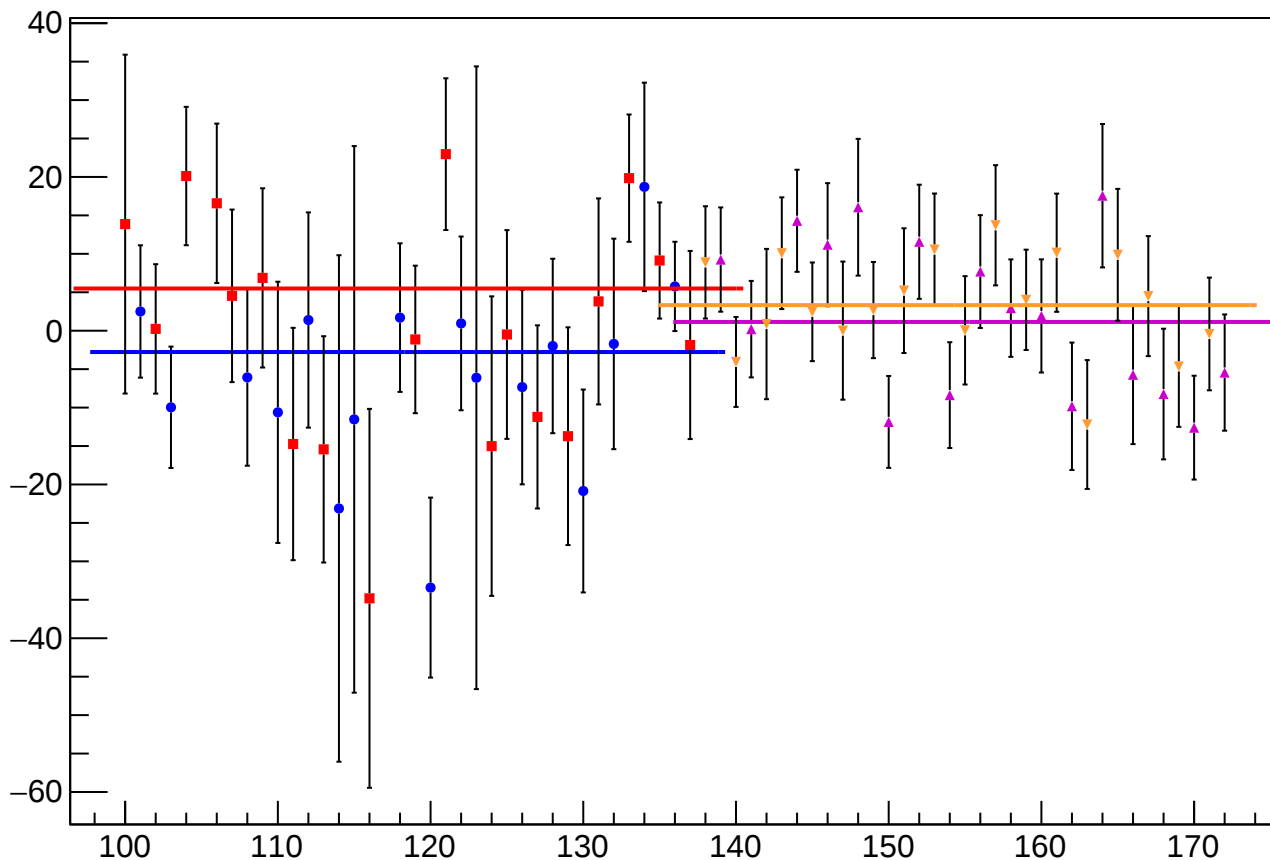
Left In: 9041.042+/-1.774 χ^2/NDF : 285045.8/16

+ sign 9687.230+/-1.567 χ^2/NDF : 1864681.4/34

All: 9776.308+/-1.116 χ^2/NDF : 3747481.0/70

- sign 9868.027+/-1.590 χ^2/NDF : 1876238.5/35

diff_bpm4ecY_mean vs Slug



Right In: -2.774 ± 2.732 χ^2/NDF : 15.9/16

Left Out: 3.328 ± 1.742 χ^2/NDF : 12.4/17

Right Out: 5.491 ± 2.587 χ^2/NDF : 23.2/18

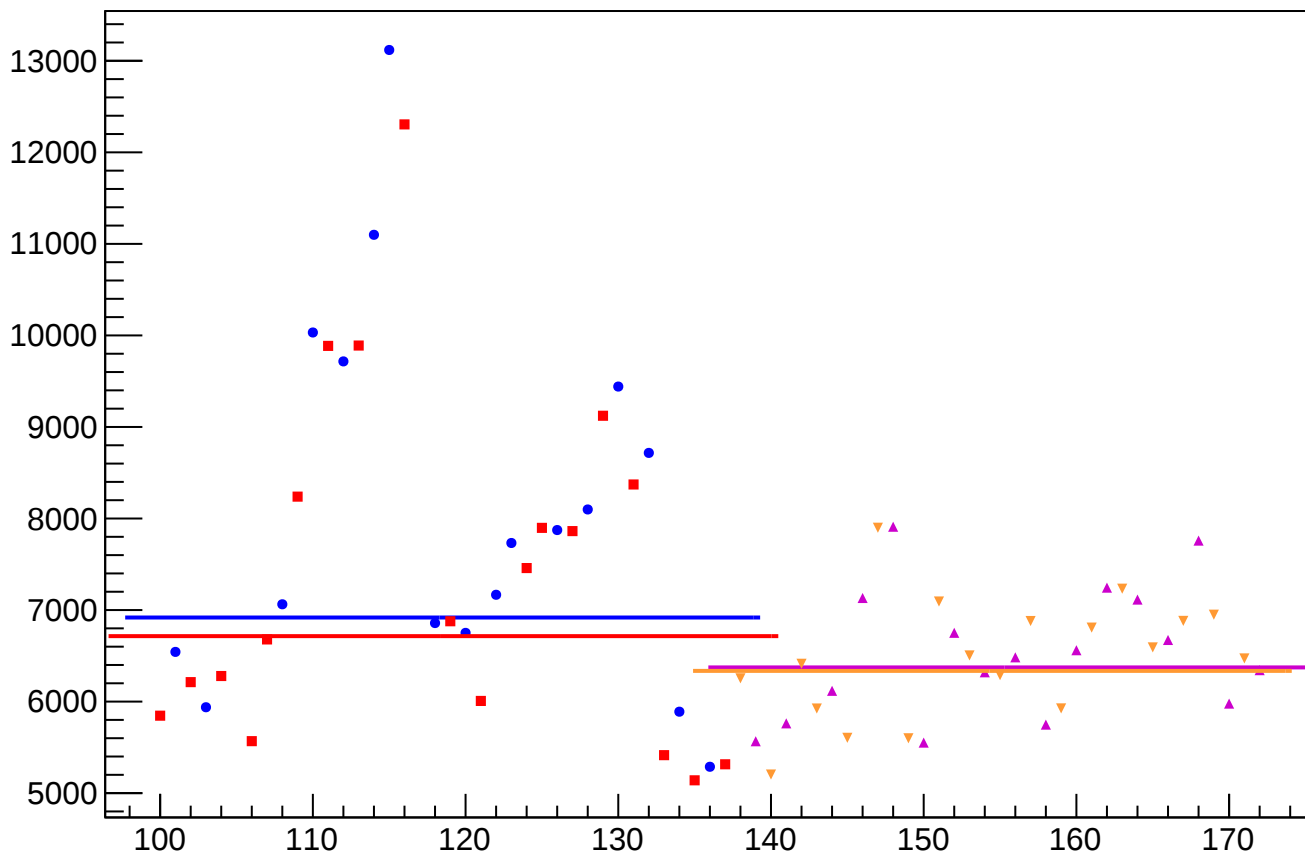
Left In: 1.139 ± 1.771 χ^2/NDF : 30.8/16

+ sign 1.564 ± 1.469 χ^2/NDF : 31.9/34

All: 2.048 ± 1.036 χ^2/NDF : 88.0/70

- sign 2.527 ± 1.461 χ^2/NDF : 55.9/35

diff_bpm4ecY_rms vs Slug



Right In: 6918.477+/-1.932 χ^2/NDF : 587039.3/16

Left Out: 6335.441+/-1.232 χ^2/NDF : 287141.9/17

Right Out: 6715.022+/-1.830 χ^2/NDF : 656010.3/18

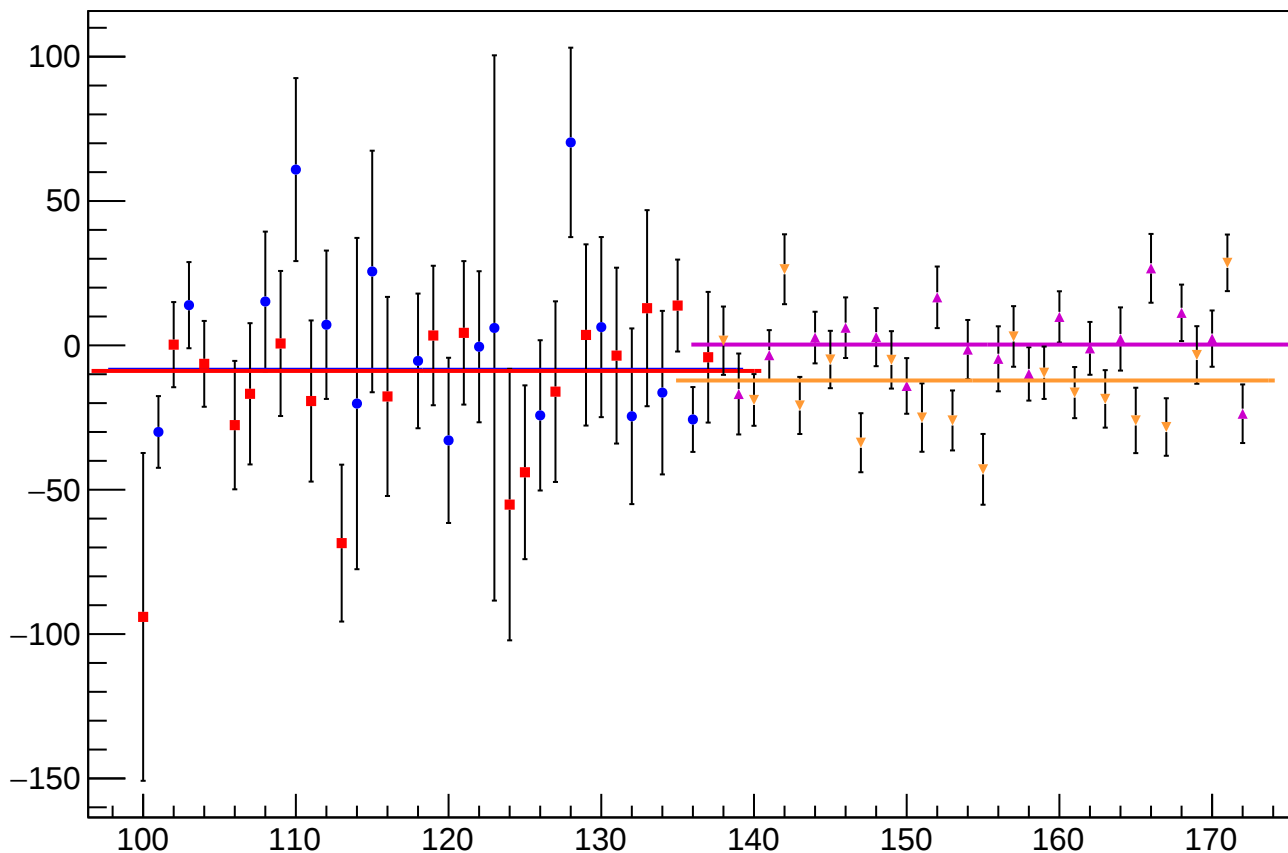
Left In: 6373.304+/-1.252 χ^2/NDF : 289154.0/16

+ sign 6503.985+/-1.039 χ^2/NDF : 938953.4/34

All: 6493.092+/-0.733 χ^2/NDF : 1908093.1/70

- sign 6482.308+/-1.033 χ^2/NDF : 968920.8/35

diff_bpm1X_mean vs Slug



Right In: -8.448 ± 5.393 χ^2/NDF : 22.0/16

Left Out: -12.162 ± 2.412 χ^2/NDF : 52.6/17

Right Out: -8.854 ± 5.508 χ^2/NDF : 14.2/18

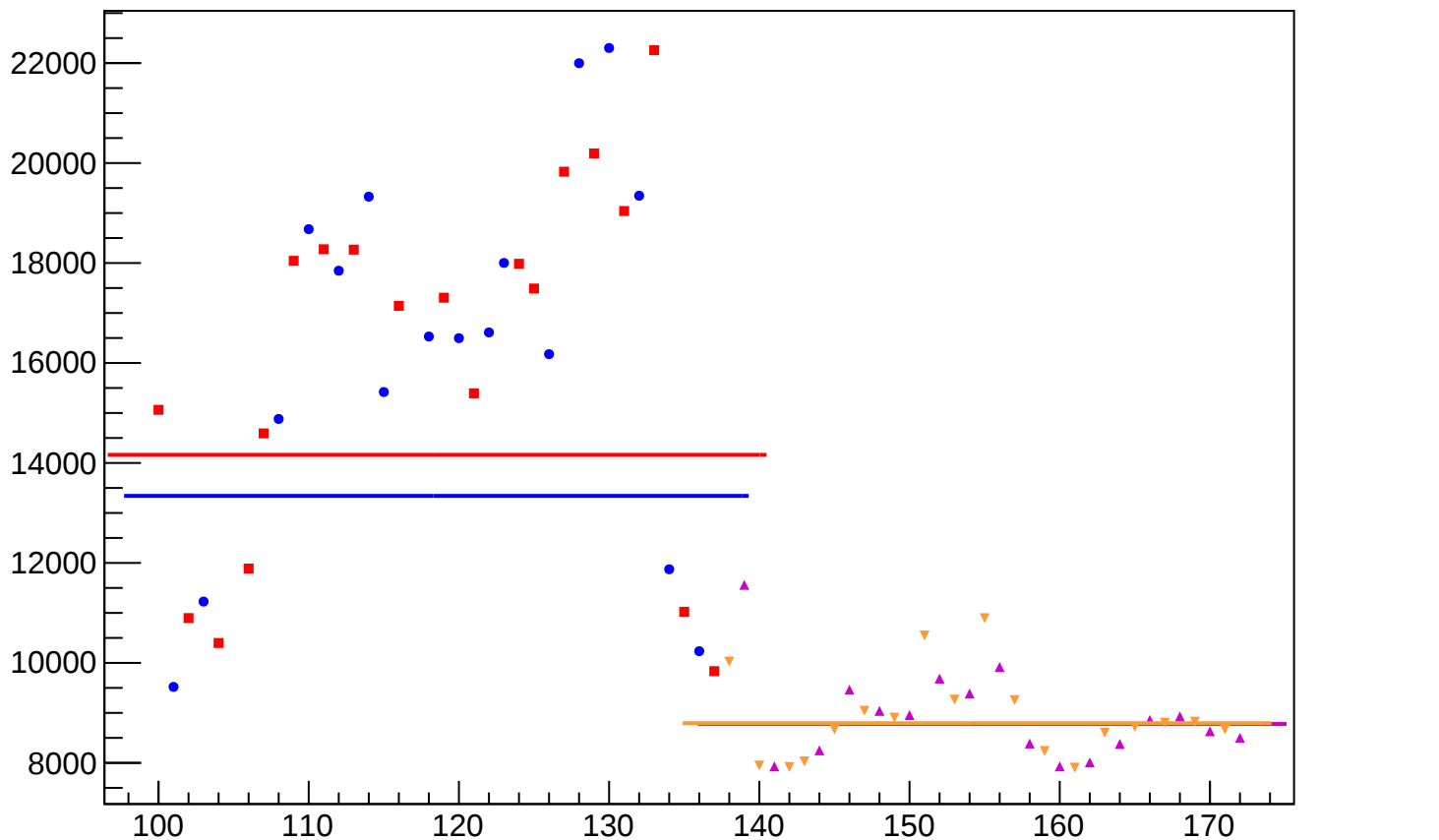
Left In: 0.279 ± 2.431 χ^2/NDF : 21.1/16

+ sign -11.543 ± 2.202 χ^2/NDF : 75.0/34

All: -6.429 ± 1.565 χ^2/NDF : 123.5/70

- sign -1.210 ± 2.224 χ^2/NDF : 37.6/35

diff_bpm1X_rms vs Slug



Right In: 13340.948+/-3.813 χ^2/NDF : 1044569.8/16

Left Out: 8794.611+/-1.705 χ^2/NDF : 203223.3/17

Right Out: 14161.826+/-3.895 χ^2/NDF : 931787.3/18

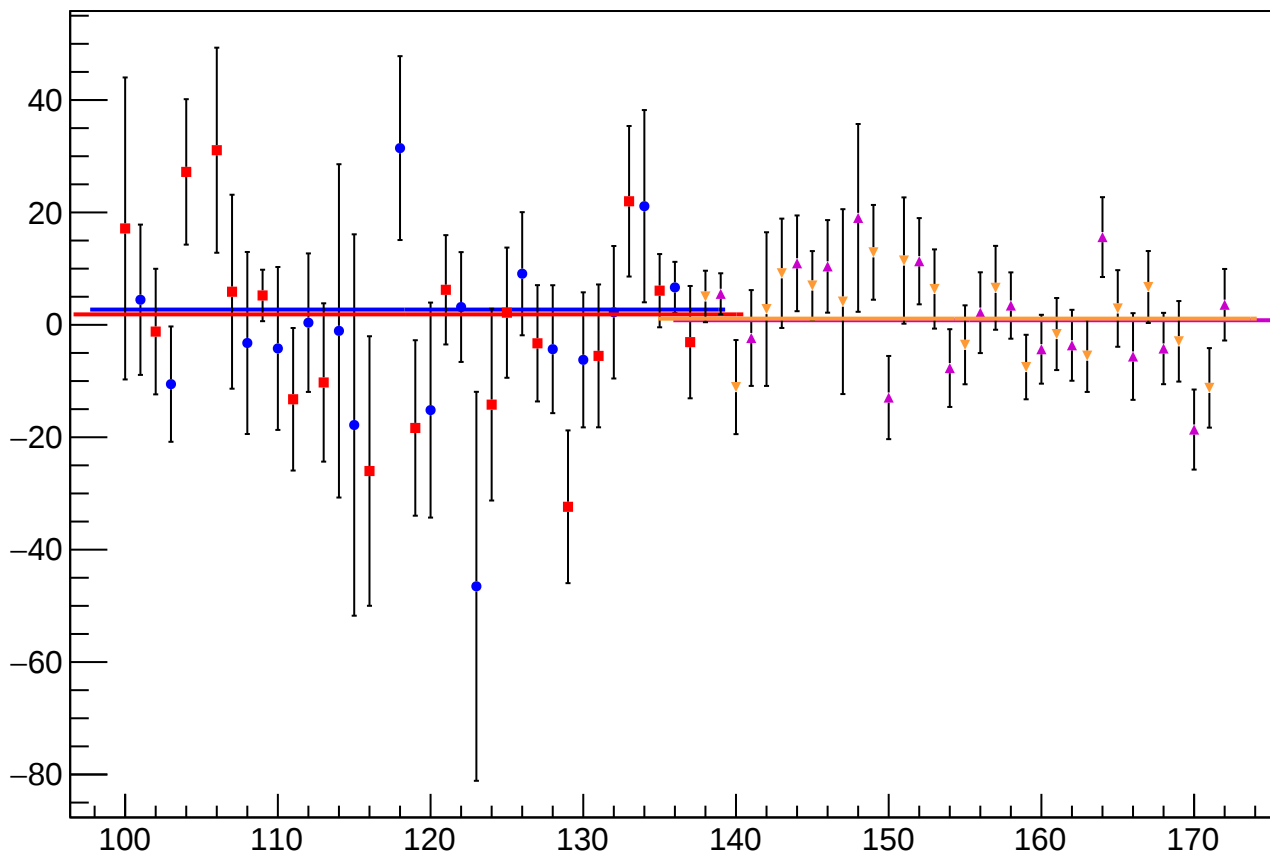
Left In: 8778.177+/-1.719 χ^2/NDF : 198678.7/16

+ sign 9552.274+/-1.557 χ^2/NDF : 2432280.6/34

All: 9603.549+/-1.106 χ^2/NDF : 5163933.9/70

- sign 9655.879+/-1.573 χ^2/NDF : 2729461.2/35

diff_bpm1Y_mean vs Slug



Right In: 2.717 ± 2.752 χ^2/NDF : 11.6/16

Left Out: 1.105 ± 1.684 χ^2/NDF : 16.5/17

Right Out: 1.861 ± 2.439 χ^2/NDF : 23.5/18

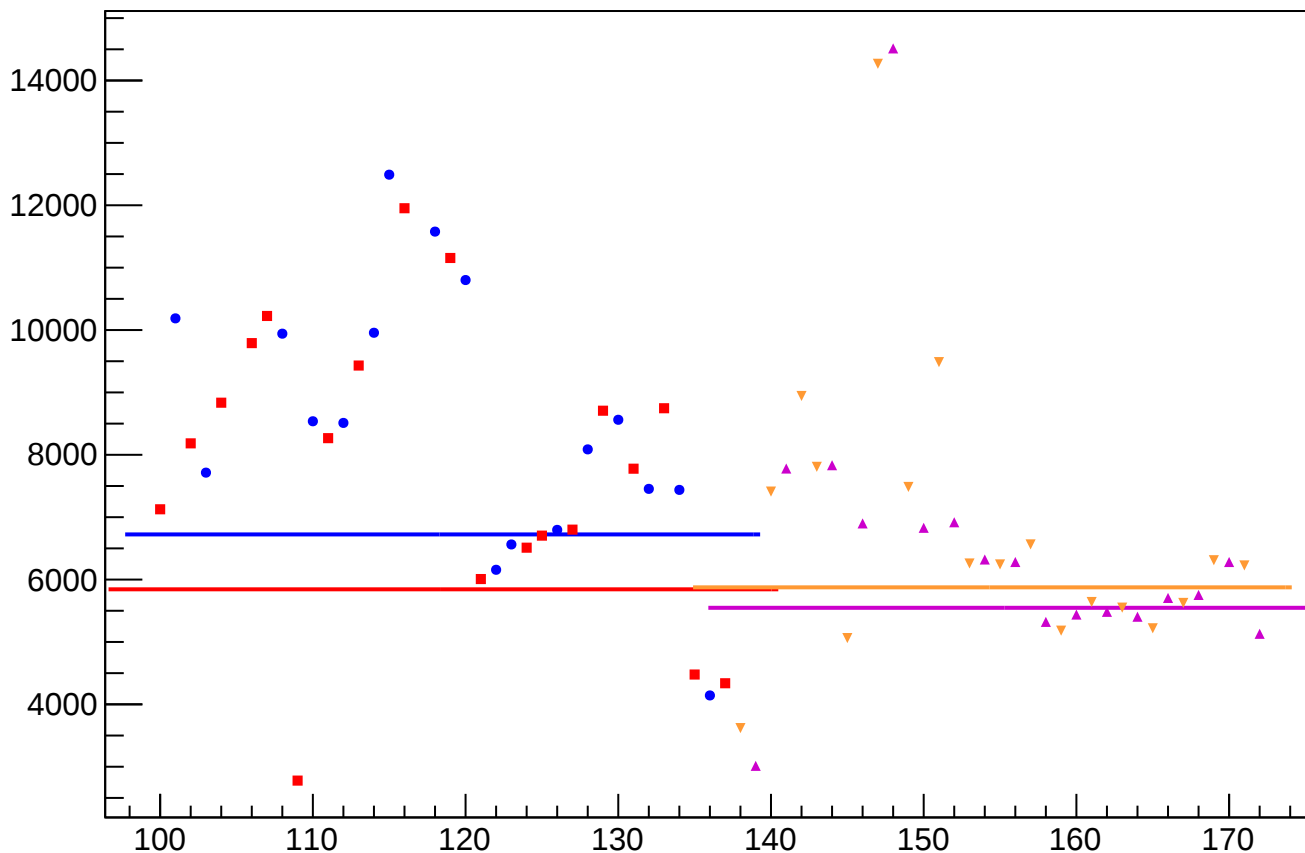
Left In: 0.819 ± 1.617 χ^2/NDF : 27.3/16

+ sign 1.545 ± 1.436 χ^2/NDF : 28.4/34

All: 1.328 ± 0.983 χ^2/NDF : 79.5/70

- sign 1.137 ± 1.348 χ^2/NDF : 51.0/35

diff_bpm1Y_rms vs Slug



Right In: 6723.839+/-1.946 χ^2/NDF : 1392082.5/16

Left Out: 5875.429+/-1.191 χ^2/NDF :1666830.4/17

Right Out: 5843.829+/-1.725 χ^2/NDF : 2277223.8/18

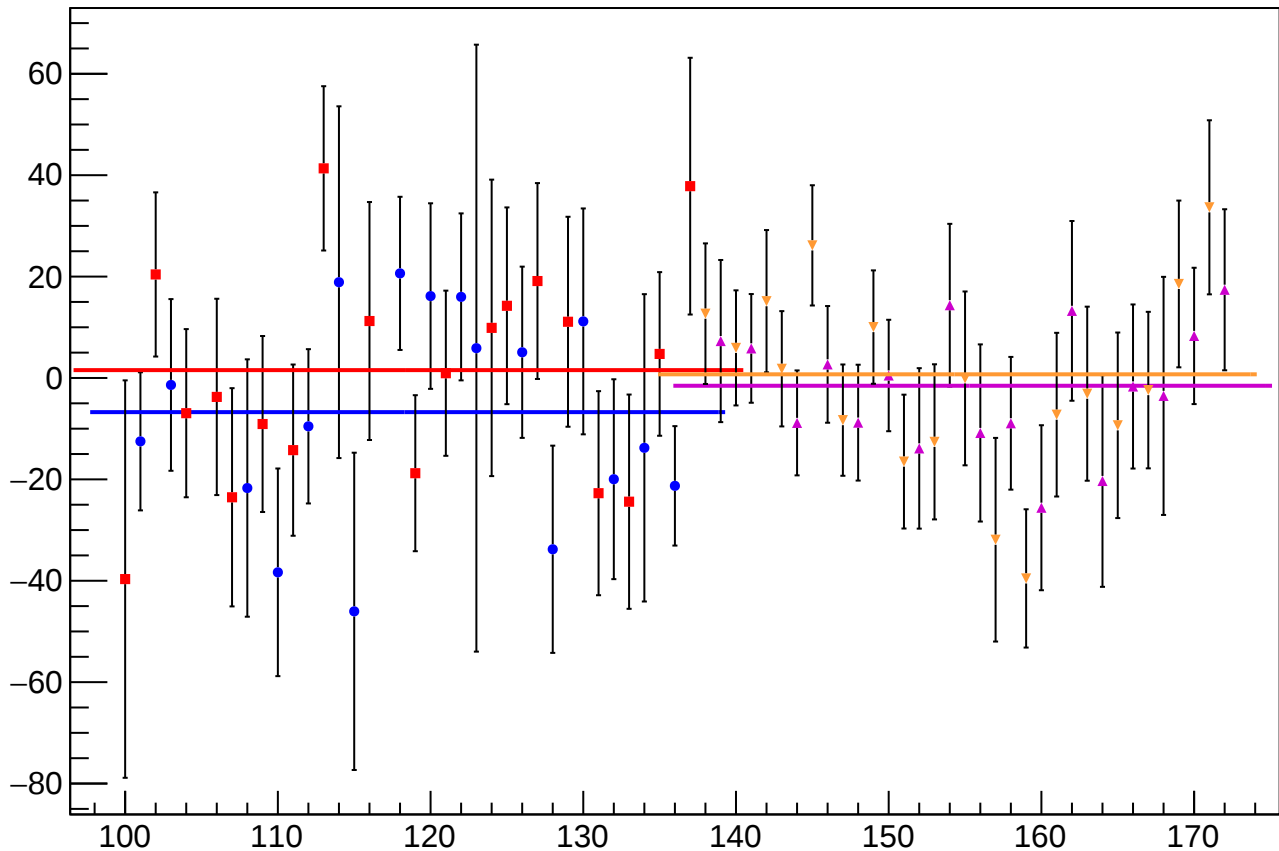
Left In: 5547.545+/-1.143 χ^2/NDF :2079147.0/16

+ sign 6106.573+/-1.016 χ^2/NDF : 3197206.8/34

All: 5857.342+/-0.695 χ^2/NDF : 7687278.1/70

- sign 5637.998+/-0.953 χ^2/NDF : 4376875.9/35

diff_bpm11X_mean vs Slug



Right In: -6.736 ± 4.513 χ^2/NDF : 16.9/16

Left Out: 0.723 ± 3.298 χ^2/NDF : 27.3/17

Right Out: 1.549 ± 4.372 χ^2/NDF : 20.0/18

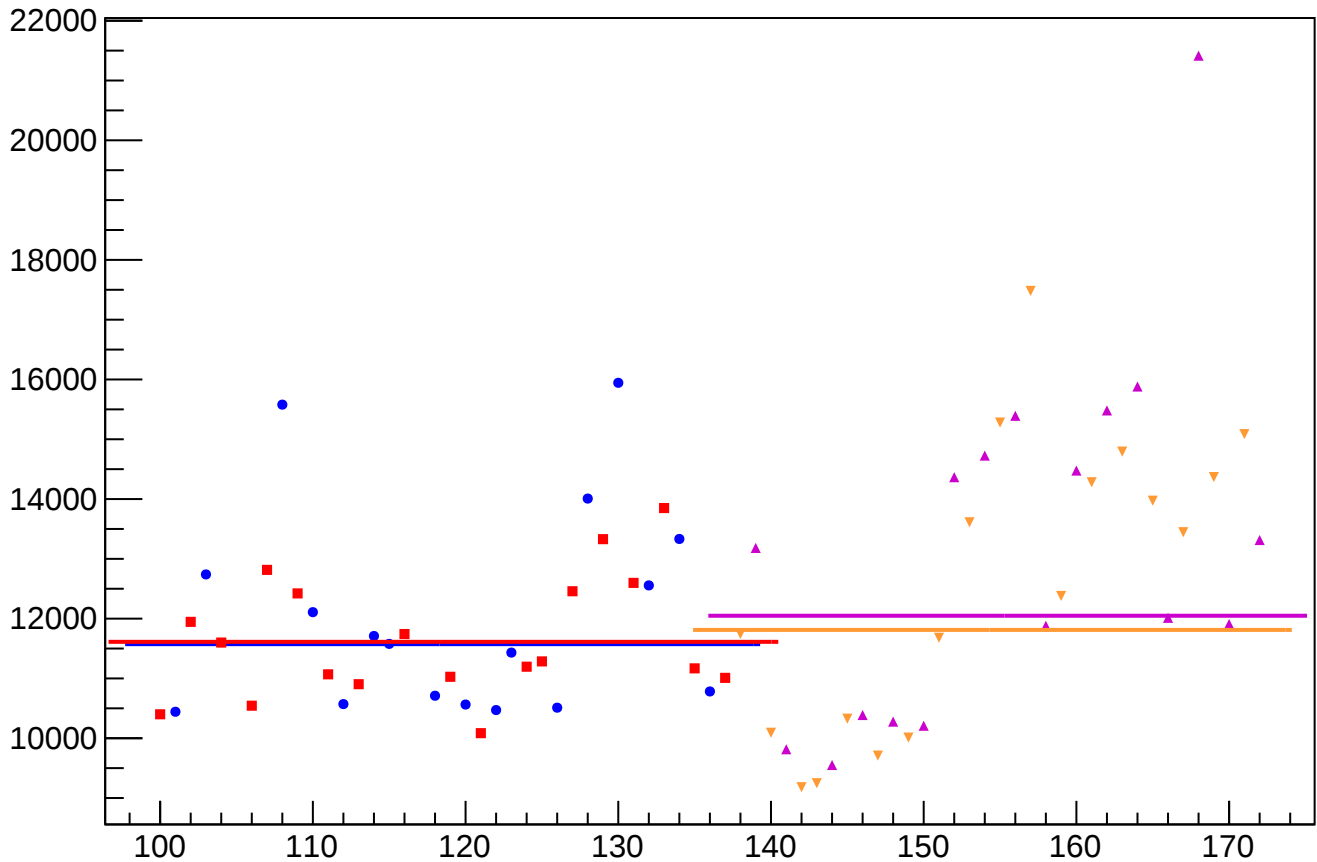
Left In: -1.534 ± 3.394 χ^2/NDF : 9.7/16

+ sign -1.873 ± 2.663 χ^2/NDF : 46.0/34

All: -1.129 ± 1.889 χ^2/NDF : 76.1/70

- sign -0.374 ± 2.681 χ^2/NDF : 30.0/35

diff_bpm11X_rms vs Slug



Right In: 11573.490+/-3.191 χ^2/NDF : 238734.7/16

Left Out: 11811.651+/-2.332 χ^2/NDF : 925530.4/17

Right Out: 11612.220+/-3.092 χ^2/NDF : 94308.1/18

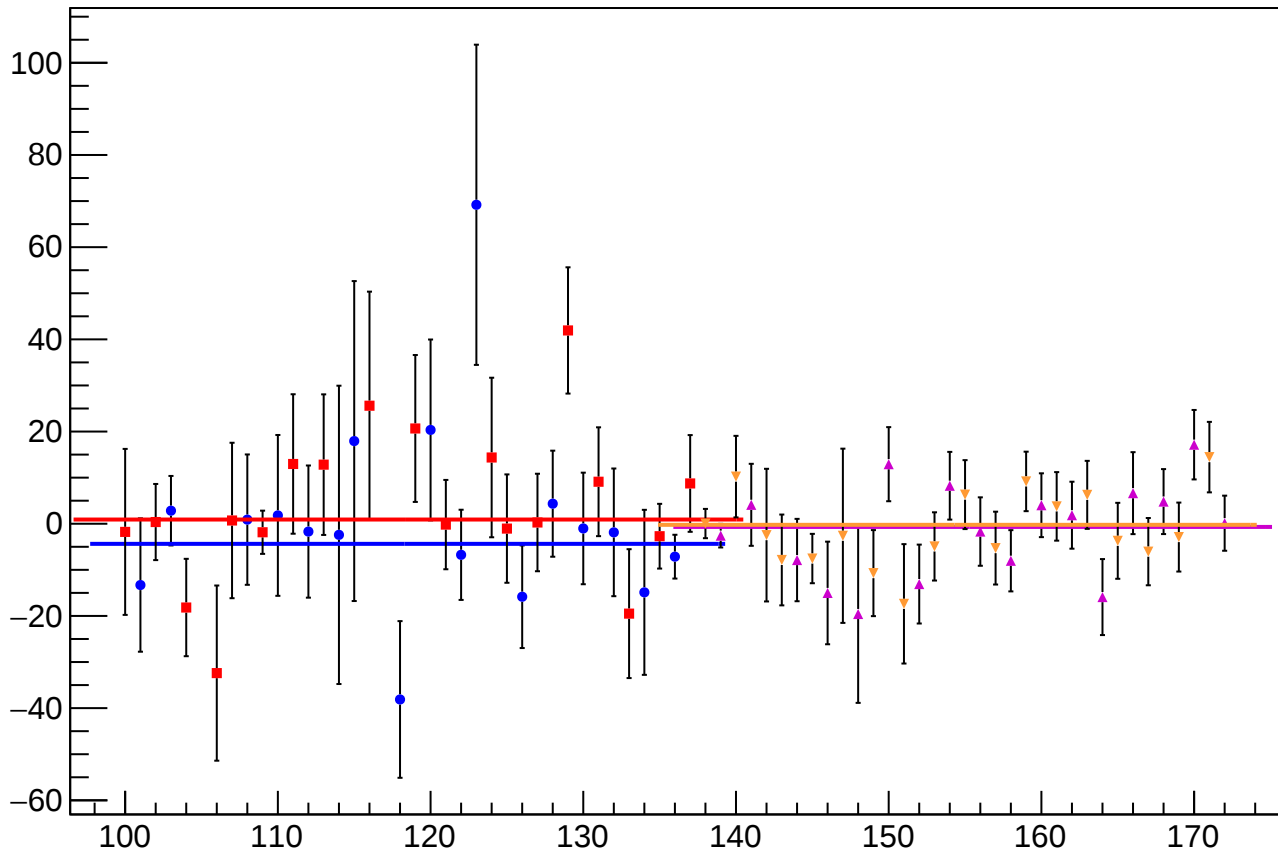
Left In: 12048.586+/-2.400 χ^2/NDF : 1049091.1/16

+ sign 11728.746+/-1.883 χ^2/NDF : 1167896.2/34

All: 11806.078+/-1.336 χ^2/NDF : 2327122.7/71

- sign 11884.495+/-1.896 χ^2/NDF : 1155828.8/35

diff_bpm11Y_mean vs Slug



Right In: -4.361 ± 2.776 χ^2/NDF : 14.5/16

Left Out: -0.235 ± 1.659 χ^2/NDF : 16.3/17

Right Out: 0.914 ± 2.426 χ^2/NDF : 23.5/18

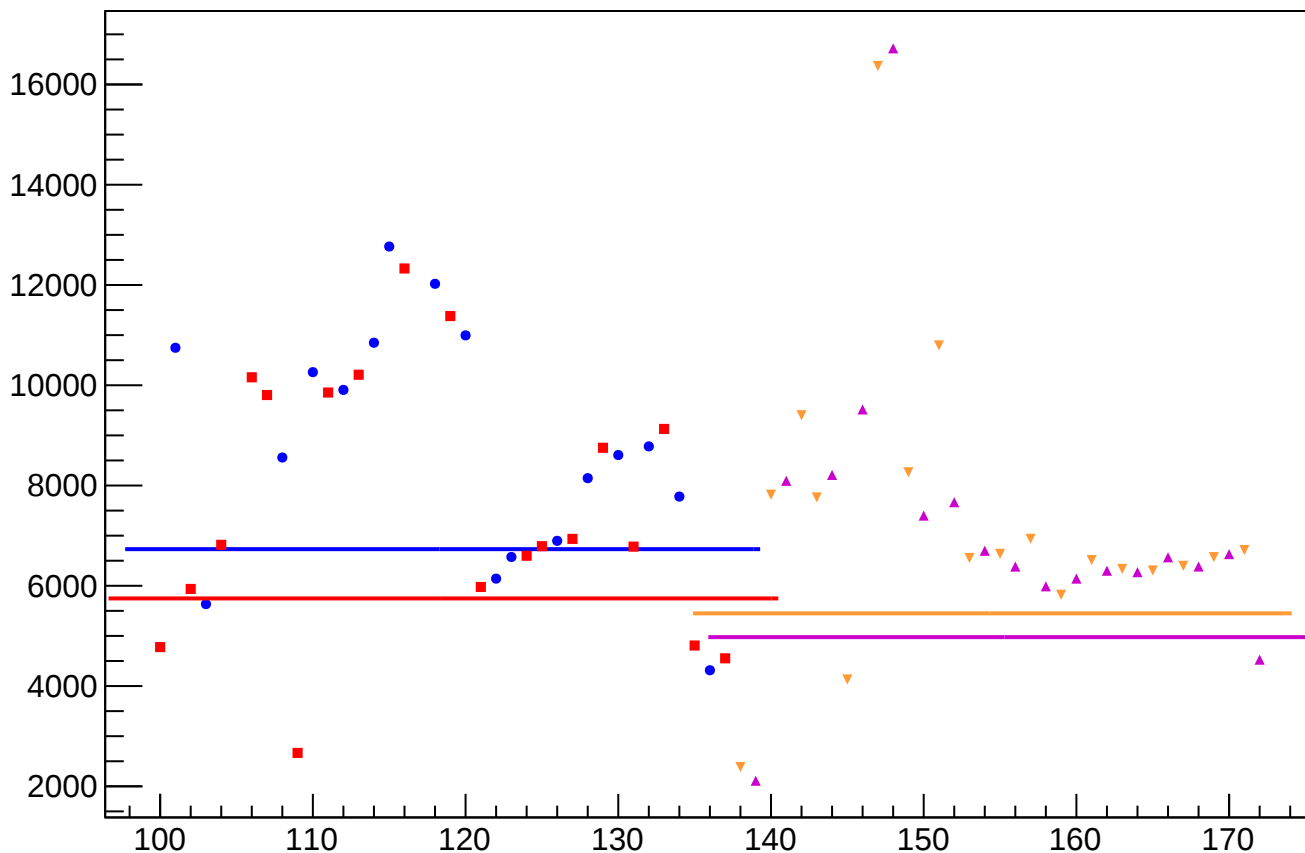
Left In: -0.690 ± 1.562 χ^2/NDF : 22.7/16

+ sign -1.321 ± 1.424 χ^2/NDF : 32.5/34

All: -0.726 ± 0.966 χ^2/NDF : 79.3/70

- sign -0.220 ± 1.313 χ^2/NDF : 46.5/35

diff_bpm11Y_rms vs Slug



Right In: 6730.725+/-1.963 χ^2/NDF : 1445240.4/16

Left Out: 5450.088+/-1.173 χ^2/NDF : 3973985.1/17

Right Out: 5747.643+/-1.716 χ^2/NDF : 2162236.7/18

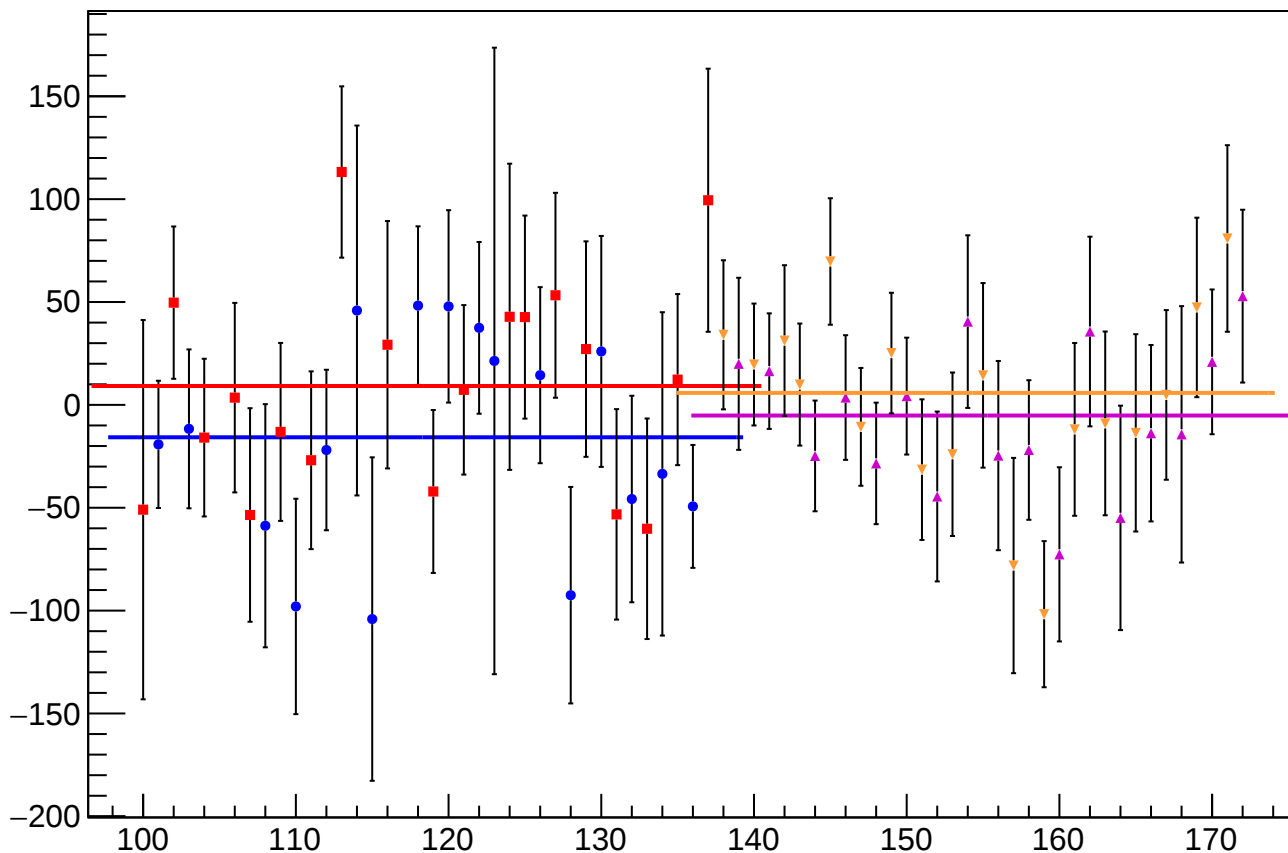
Left In: 4975.619+/-1.105 χ^2/NDF : 5117631.4/16

+ sign 5787.134+/-1.007 χ^2/NDF : 5732782.7/34

All: 5470.845+/-0.683 χ^2/NDF : 13338323.7/7

- sign 5201.882+/-0.929 χ^2/NDF : 7423037.7/35

diff_bpm12X_mean vs Slug



Right In: -15.751 ± 11.207 χ^2/NDF : 15.9/16

Left Out: 5.828 ± 8.616 χ^2/NDF : 24.0/17

Right Out: 9.179 ± 10.889 χ^2/NDF : 19.3/18

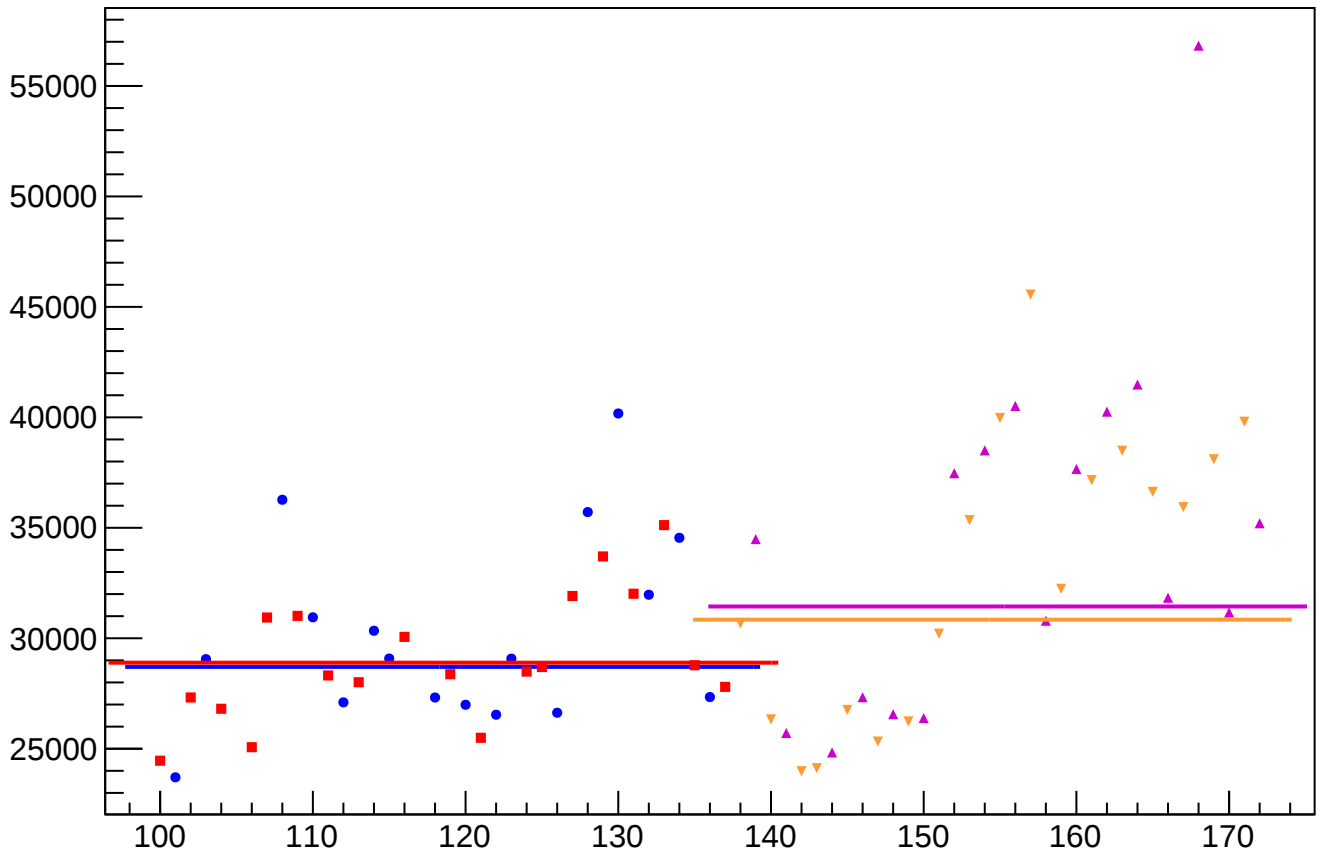
Left In: -5.175 ± 8.862 χ^2/NDF : 11.5/16

+ sign -2.187 ± 6.831 χ^2/NDF : 42.3/34

All: -0.830 ± 4.845 χ^2/NDF : 74.2/70

- sign 0.544 ± 6.874 χ^2/NDF : 31.8/35

diff_bpm12X_rms vs Slug



Right In: 28705.569+/-7.925 χ^2/NDF : 250992.5/16

Left Out: 30841.075+/-6.092 χ^2/NDF : 945696.1/17

Right Out: 28895.535+/-7.700 χ^2/NDF : 111212.6/18

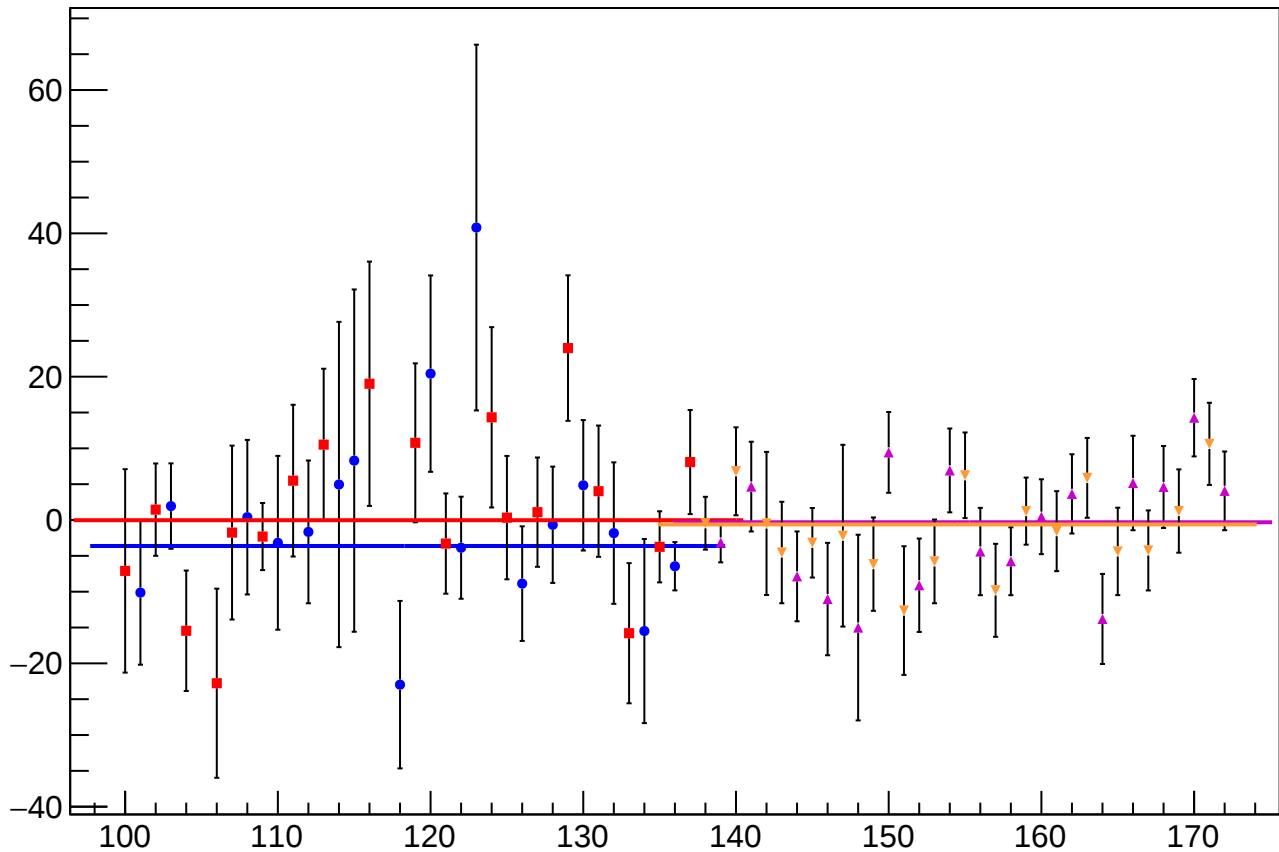
Left In: 31438.668+/-6.267 χ^2/NDF : 1079443.7/16

+ sign 30047.857+/-4.830 χ^2/NDF : 1242330.2/34

All: 30235.417+/-3.426 χ^2/NDF : 2501643.5/7

- sign 30425.350+/-4.860 χ^2/NDF : 1256278.2/35

diff_bpm12Y_mean vs Slug



Right In: -3.625 ± 2.006 χ^2/NDF : 13.7/16

Left Out: -0.614 ± 1.380 χ^2/NDF : 15.0/17

Right Out: -0.027 ± 1.890 χ^2/NDF : 22.1/18

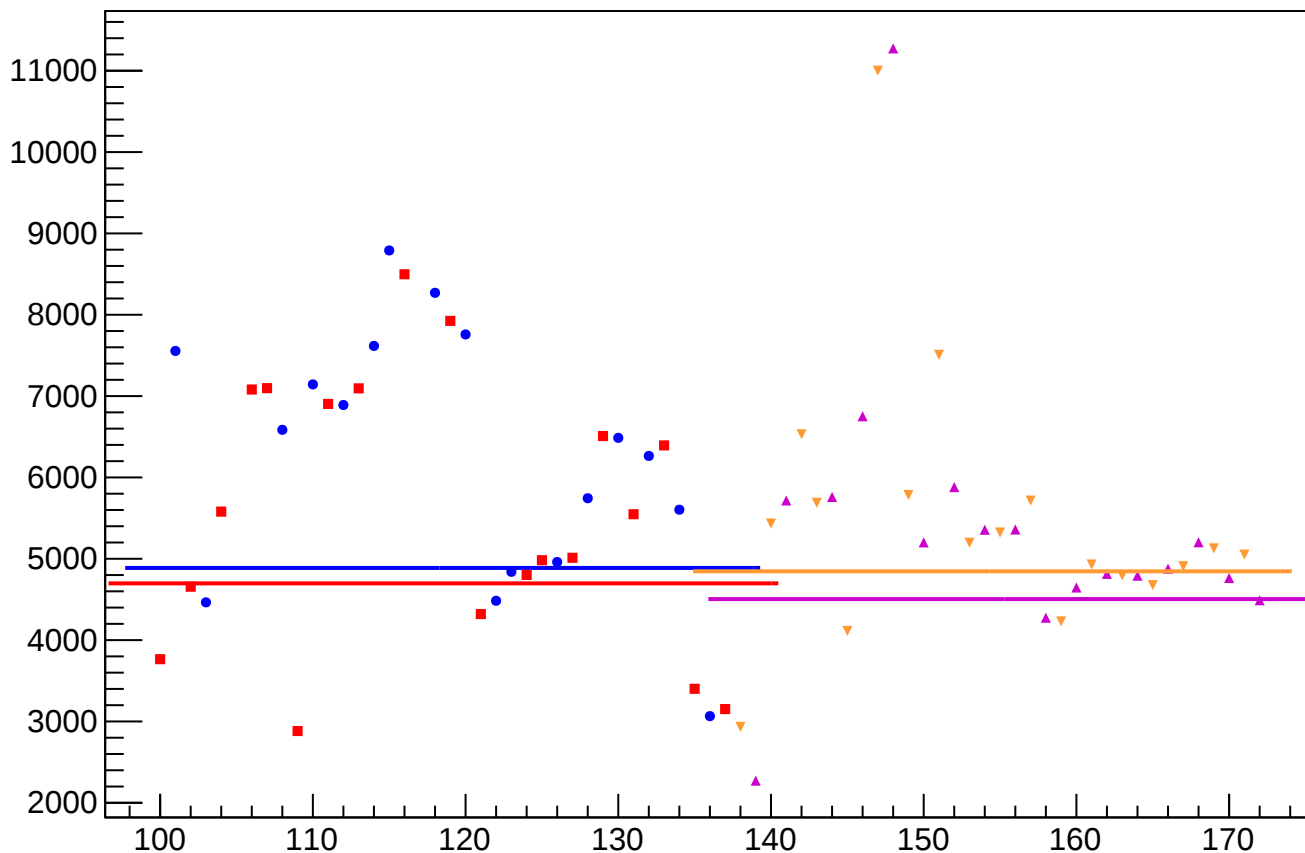
Left In: -0.314 ± 1.318 χ^2/NDF : 28.9/16

+ sign -1.581 ± 1.137 χ^2/NDF : 30.2/34

All: -0.866 ± 0.783 χ^2/NDF : 82.0/70

- sign -0.220 ± 1.081 χ^2/NDF : 51.0/35

diff_bpm12Y_rms vs Slug



Right In: 4887.515 $\pm$ 1.418 χ^2 /NDF: 1409296.8/16

Left Out: 4845.932 $\pm$ 0.976 χ^2 /NDF:1476492.8/17

Right Out: 4697.726 $\pm$ 1.336 χ^2 /NDF: 1313121.0/18

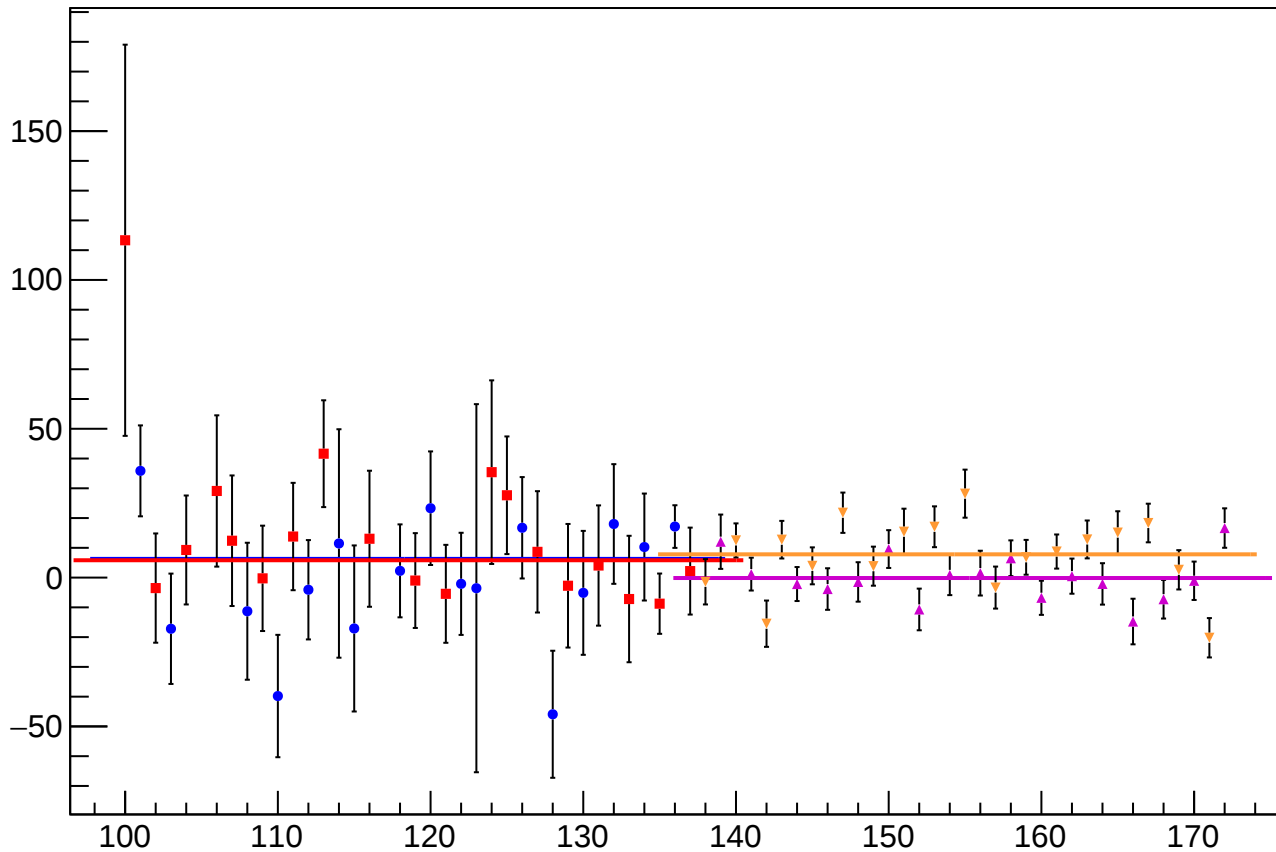
Left In: 4504.726 $\pm$ 0.932 χ^2 /NDF:2431652.9/16

+ sign 4859.293 $\pm$ 0.804 χ^2 /NDF: 2886372.9/34

All: 4706.212 $\pm$ 0.554 χ^2 /NDF: 6714187.4/70

- sign 4567.865 $\pm$ 0.764 χ^2 /NDF: 3758807.4/35

diff_bpm16X_mean vs Slug



Right In: 6.283 ± 4.064 χ^2/NDF : 22.5/16

Left Out: 7.818 ± 1.567 χ^2/NDF : 51.4/17

Right Out: 5.828 ± 4.219 χ^2/NDF : 13.8/18

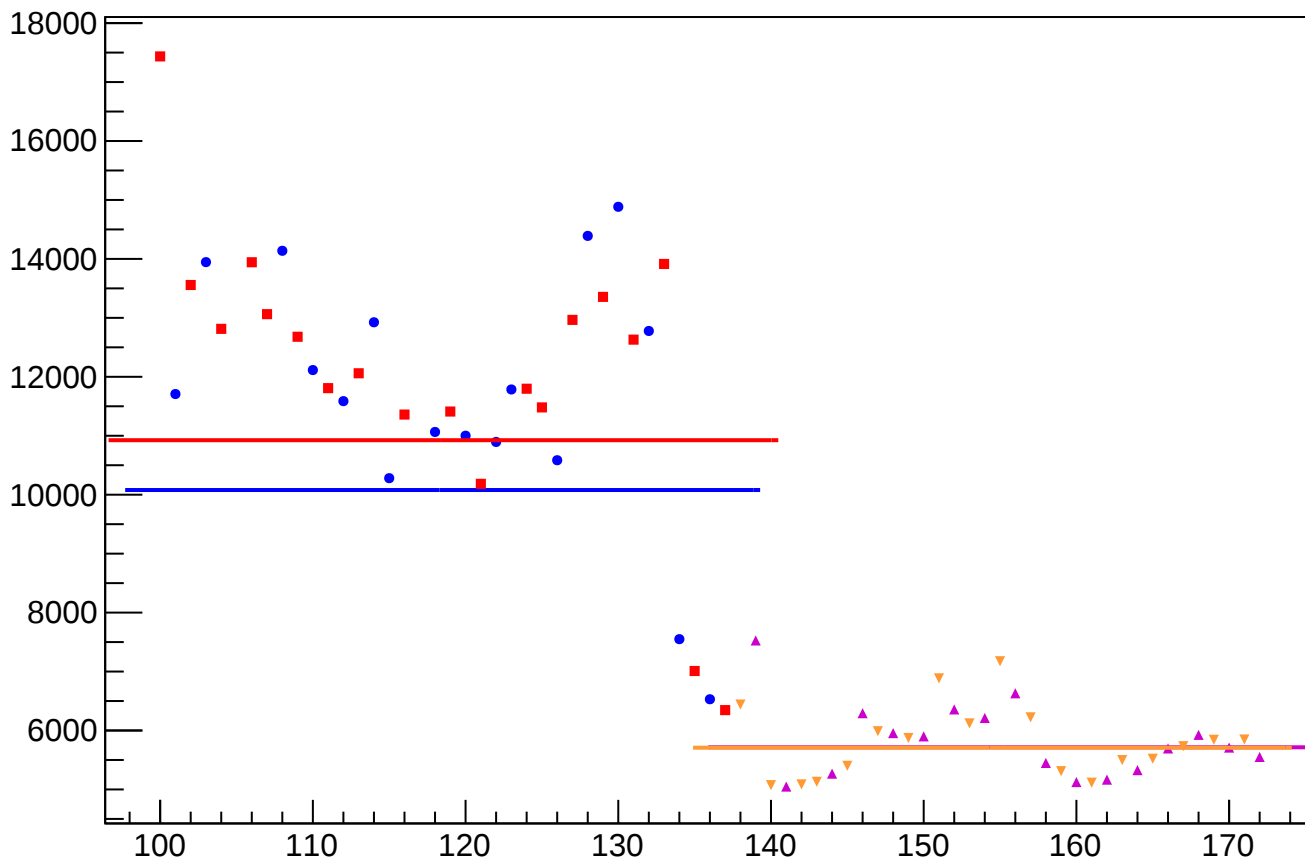
Left In: -0.142 ± 1.584 χ^2/NDF : 20.9/16

+ sign 7.619 ± 1.462 χ^2/NDF : 74.0/34

All: 4.158 ± 1.041 χ^2/NDF : 121.9/70

- sign 0.596 ± 1.483 χ^2/NDF : 36.5/35

diff_bpm16X_rms vs Slug



Right In: 10079.454 $\pm$ 2.874 χ^2 /NDF: 994683.1/16

Left Out: 5708.135 $\pm$ 1.108 χ^2 /NDF:248564.7/17

Right Out: 10924.541 $\pm$ 2.983 χ^2 /NDF: 768447.5/18

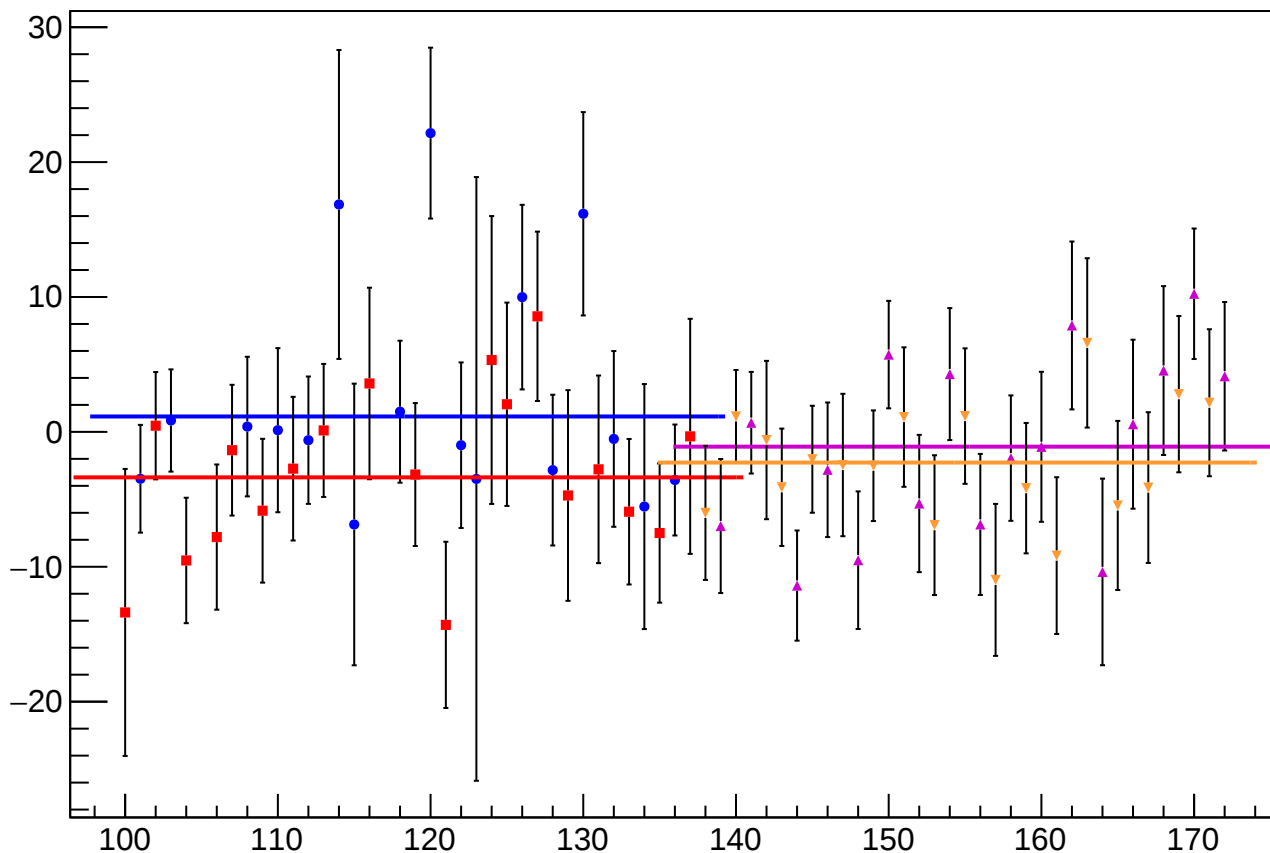
Left In: 5715.103 $\pm$ 1.120 χ^2 /NDF:247451.9/16

+ sign 6273.914 $\pm$ 1.034 χ^2 /NDF: 3257547.1/34

All: 6315.766 $\pm$ 0.736 χ^2 /NDF: 6949116.7/70

- sign 6358.828 $\pm$ 1.049 χ^2 /NDF: 3688244.8/35

diff_bpm16Y_mean vs Slug



Right In: 1.142 ± 1.395 χ^2/NDF : 23.2/16

Left Out: -2.274 ± 1.170 χ^2/NDF : 11.3/17

Right Out: -3.371 ± 1.333 χ^2/NDF : 15.1/18

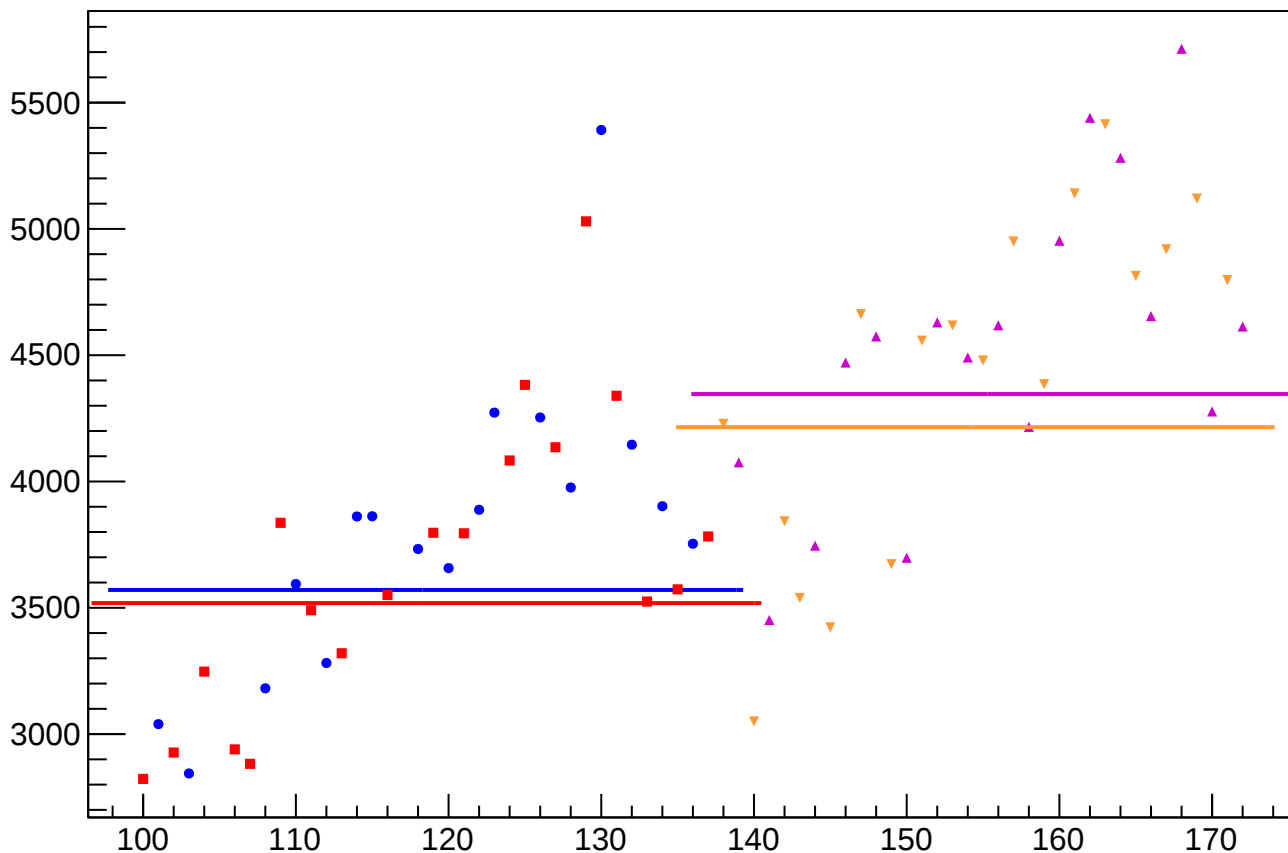
Left In: -1.095 ± 1.211 χ^2/NDF : 28.1/16

+ sign -0.863 ± 0.897 χ^2/NDF : 38.0/34

All: -1.494 ± 0.634 χ^2/NDF : 83.7/70

- sign -2.124 ± 0.896 χ^2/NDF : 44.7/35

diff_bpm16Y_rms vs Slug



Right In: 3570.707+/-0.987 χ^2/NDF : 309568.0/16

Left Out: 4215.085+/-0.827 χ^2/NDF : 723184.2/17

Right Out: 3518.621+/-0.943 χ^2/NDF : 293227.8/18

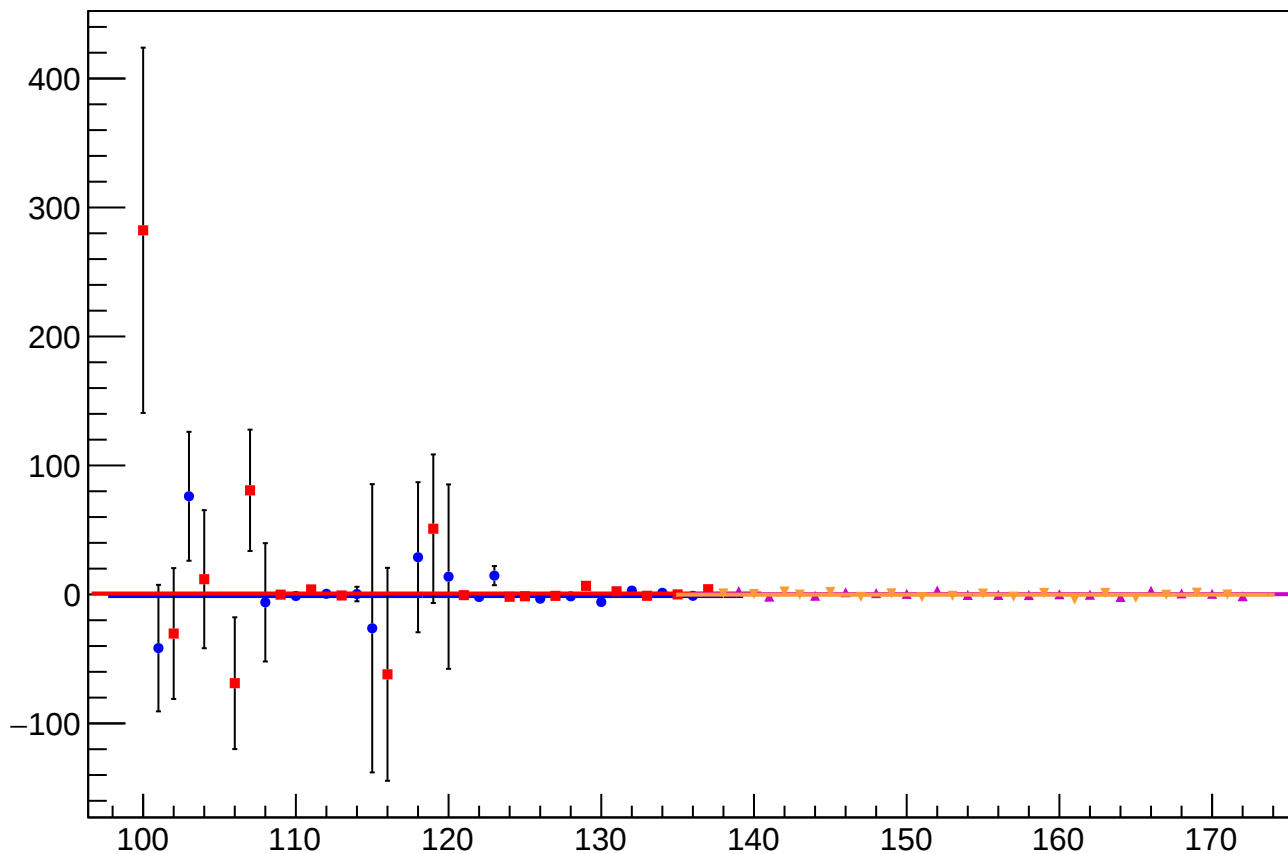
Left In: 4346.244+/-0.856 χ^2/NDF : 462578.6/16

+ sign 3948.998+/-0.634 χ^2/NDF : 1283202.3/34

All: 3960.500+/-0.448 χ^2/NDF : 2461915.2/70

- sign 3972.001+/-0.634 χ^2/NDF : 1178054.6/35

diff_bpm1p02bX_mean vs Slug



Right In: -1.261 ± 0.748 χ^2/NDF : 16.3/16

Left Out: -0.160 ± 0.288 χ^2/NDF : 31.7/17

Right Out: 0.733 ± 0.710 χ^2/NDF : 22.1/18

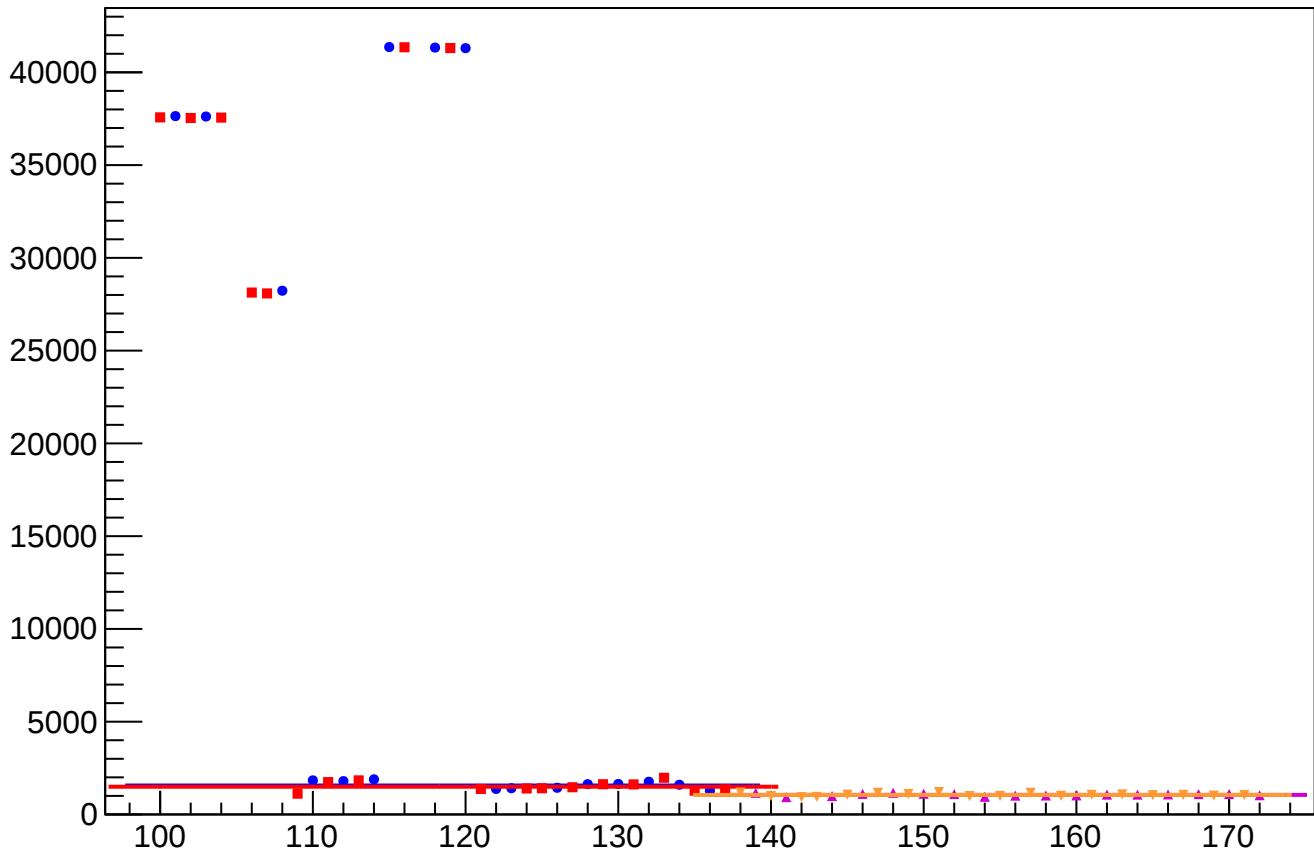
Left In: 0.199 ± 0.291 χ^2/NDF : 23.9/16

+ sign -0.302 ± 0.269 χ^2/NDF : 49.8/34

All: -0.014 ± 0.190 χ^2/NDF : 98.6/70

- sign 0.276 ± 0.270 χ^2/NDF : 46.4/35

diff_bpm1p02bX_rms vs Slug



Right In: 1558.988 $\pm$ 0.529 χ^2 /NDF: 4753669.7/16

Left Out: 1051.851 $\pm$ 0.203 χ^2 /NDF:131646.4/17

Right Out: 1494.619 $\pm$ 0.502 χ^2 /NDF: 4892920.0/18

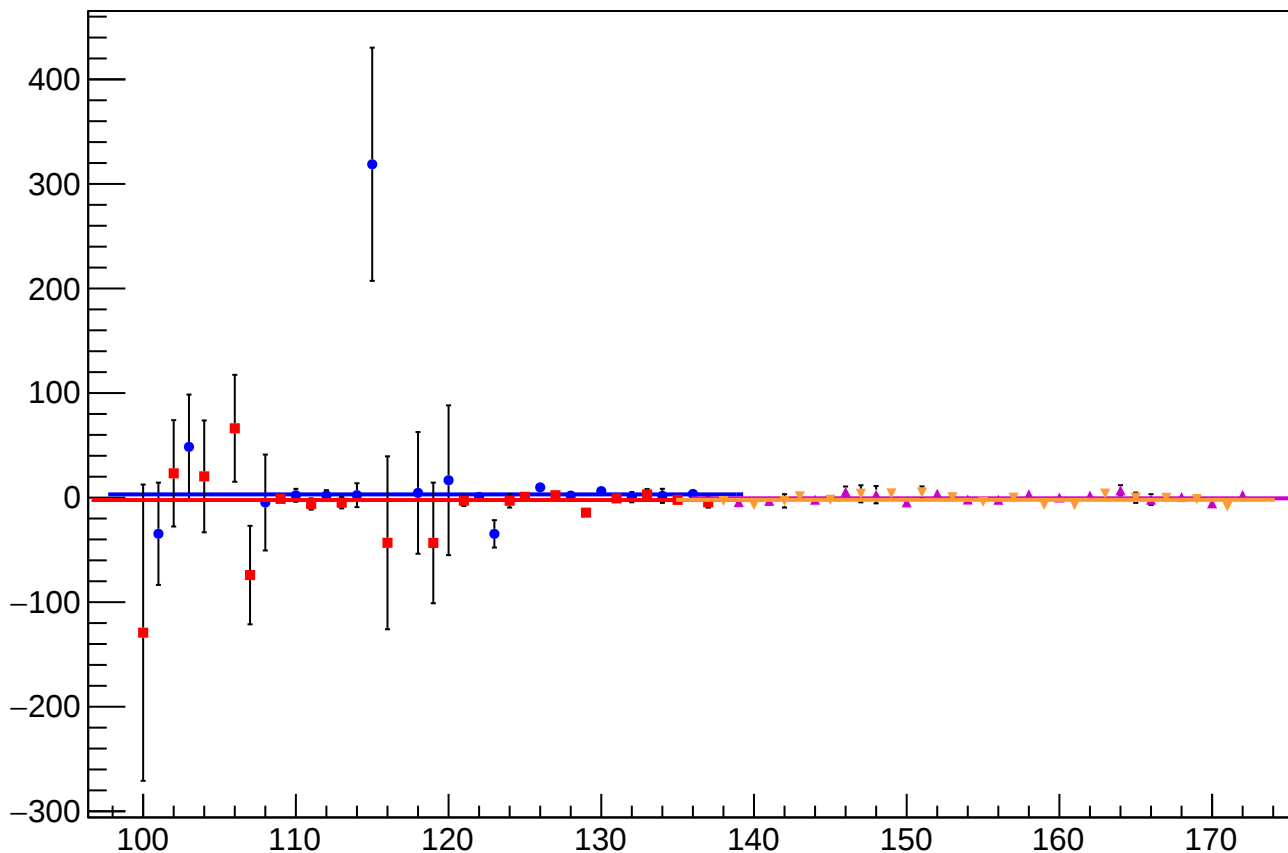
Left In: 1053.602 $\pm$ 0.206 χ^2 /NDF:105287.8/16

+ sign 1117.256 $\pm$ 0.190 χ^2 /NDF: 5686394.8/34

All: 1117.177 $\pm$ 0.135 χ^2 /NDF: 11344614.3/7

- sign 1117.098 $\pm$ 0.191 χ^2 /NDF: 5658219.2/35

diff_bpm1p02bY_mean vs Slug



Right In: 3.075 ± 1.323 χ^2/NDF : 21.9/16

Left Out: -2.149 ± 0.944 χ^2/NDF : 14.9/17

Right Out: -2.306 ± 1.235 χ^2/NDF : 16.9/18

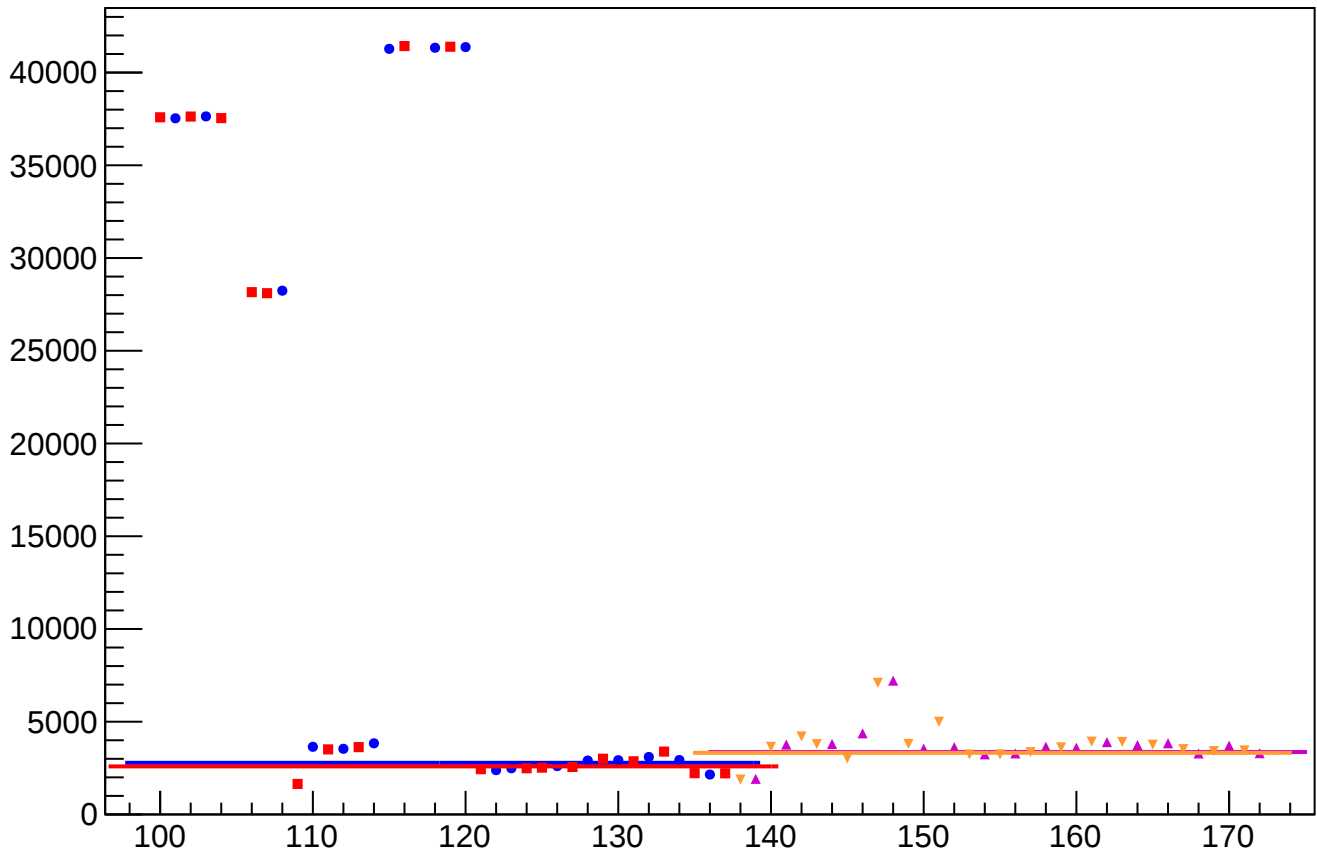
Left In: -0.680 ± 0.962 χ^2/NDF : 12.7/16

+ sign -0.387 ± 0.768 χ^2/NDF : 47.1/34

All: -0.846 ± 0.540 χ^2/NDF : 78.5/70

- sign -1.294 ± 0.759 χ^2/NDF : 30.7/35

diff_bpm1p02bY_rms vs Slug



Right In: 2783.989+/-0.936 χ^2/NDF : 4577424.2/16

Left Out: 3323.537+/-0.667 χ^2/NDF : 1620378.6/17

Right Out: 2591.161+/-0.873 χ^2/NDF : 4846722.1/18

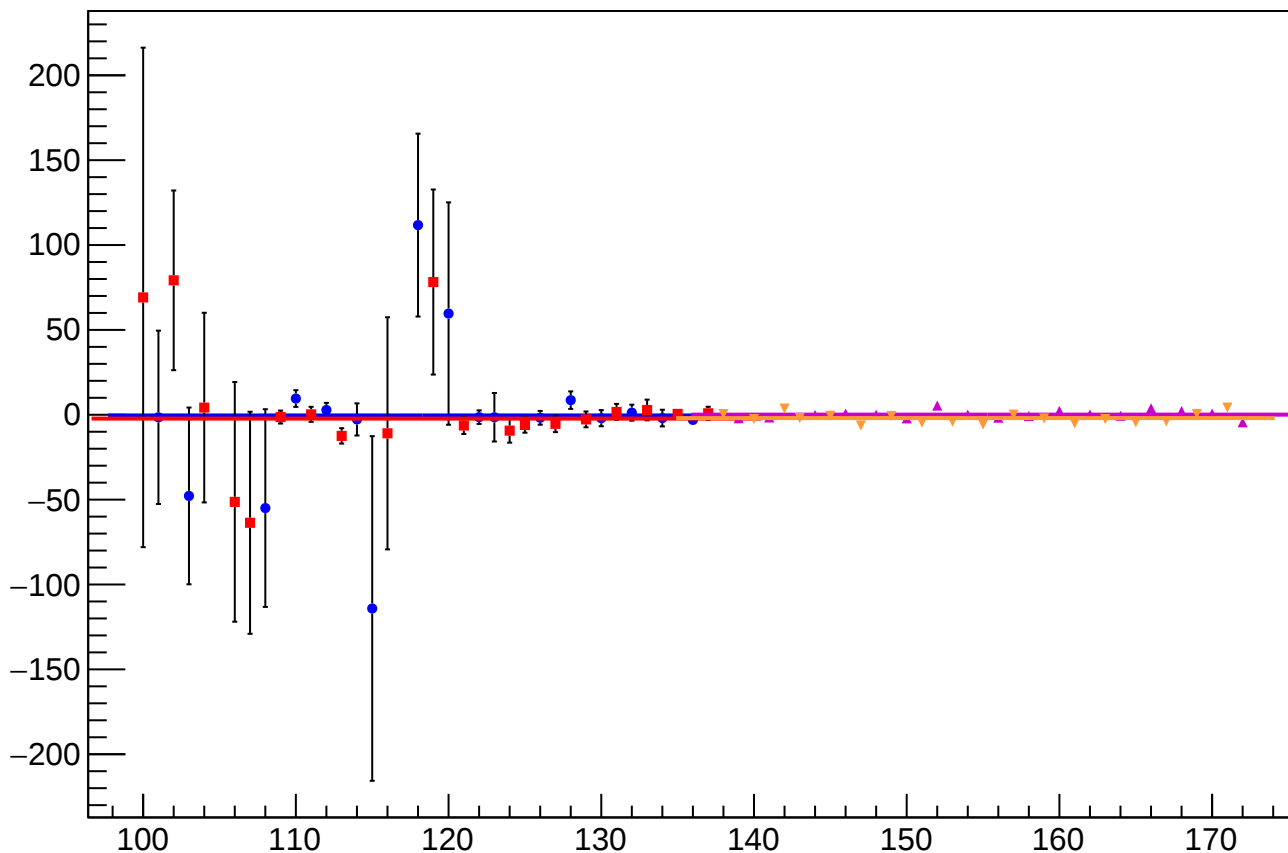
Left In: 3367.846+/-0.680 χ^2/NDF : 1403557.8/16

+ sign 3141.573+/-0.543 χ^2/NDF : 6418184.1/34

All: 3107.505+/-0.382 χ^2/NDF : 13168628.5/7

- sign 3074.268+/-0.537 χ^2/NDF : 6742678.1/35

diff_bpm1p03aX_mean vs Slug



Right In: -0.403 ± 1.218 χ^2/NDF : 18.3/16

Left Out: -1.968 ± 0.455 χ^2/NDF : 37.7/17

Right Out: -2.245 ± 1.246 χ^2/NDF : 17.4/18

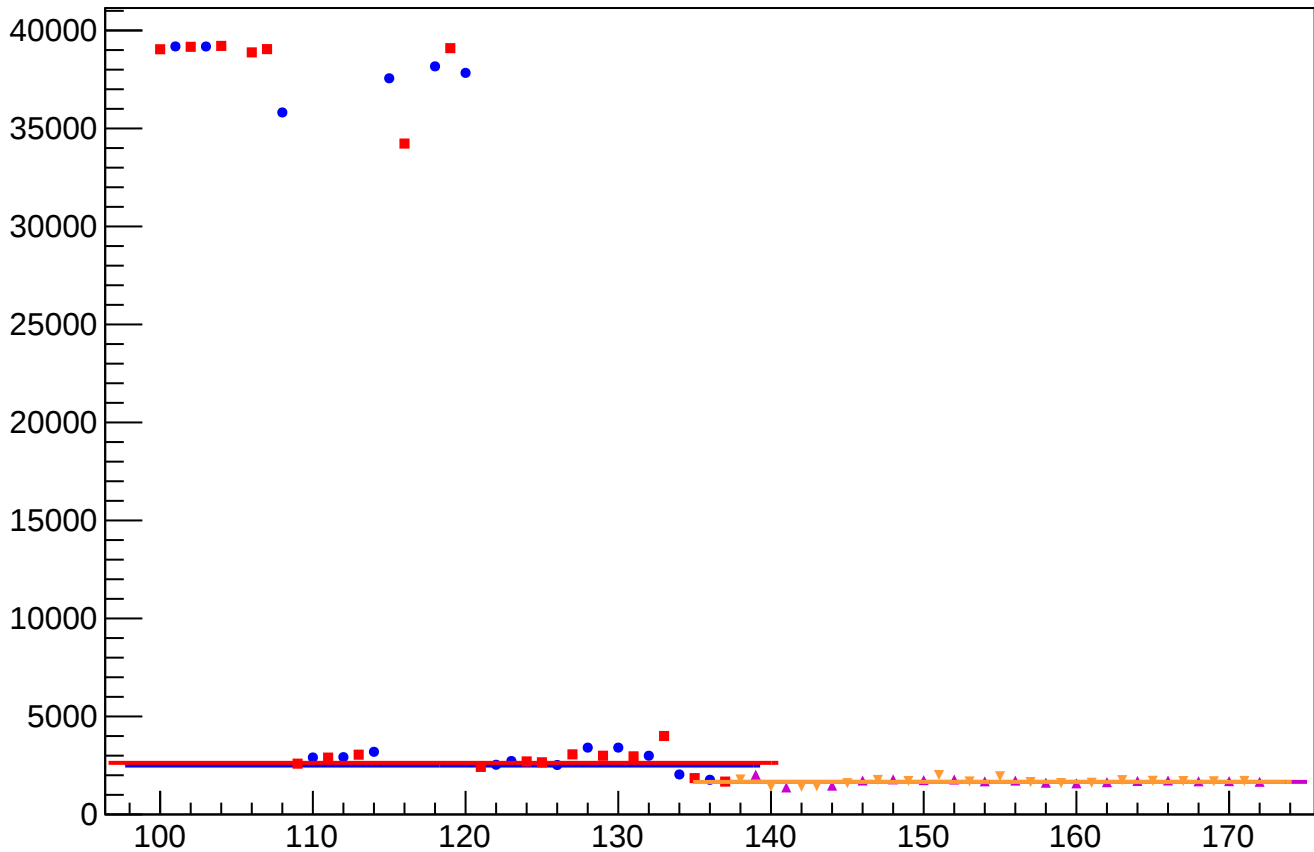
Left In: 0.080 ± 0.460 χ^2/NDF : 22.6/16

+ sign -1.776 ± 0.426 χ^2/NDF : 57.5/34

All: -0.998 ± 0.303 χ^2/NDF : 107.4/70

- sign -0.199 ± 0.432 χ^2/NDF : 43.1/35

diff_bpm1p03aX_rms vs Slug



Right In: 2495.603 $\pm$ 0.861 χ^2 /NDF: 4882334.6/16

Left Out: 1659.649 $\pm$ 0.322 χ^2 /NDF: 214473.5/17

Right Out: 2633.244 $\pm$ 0.881 χ^2 /NDF: 4860512.6/18

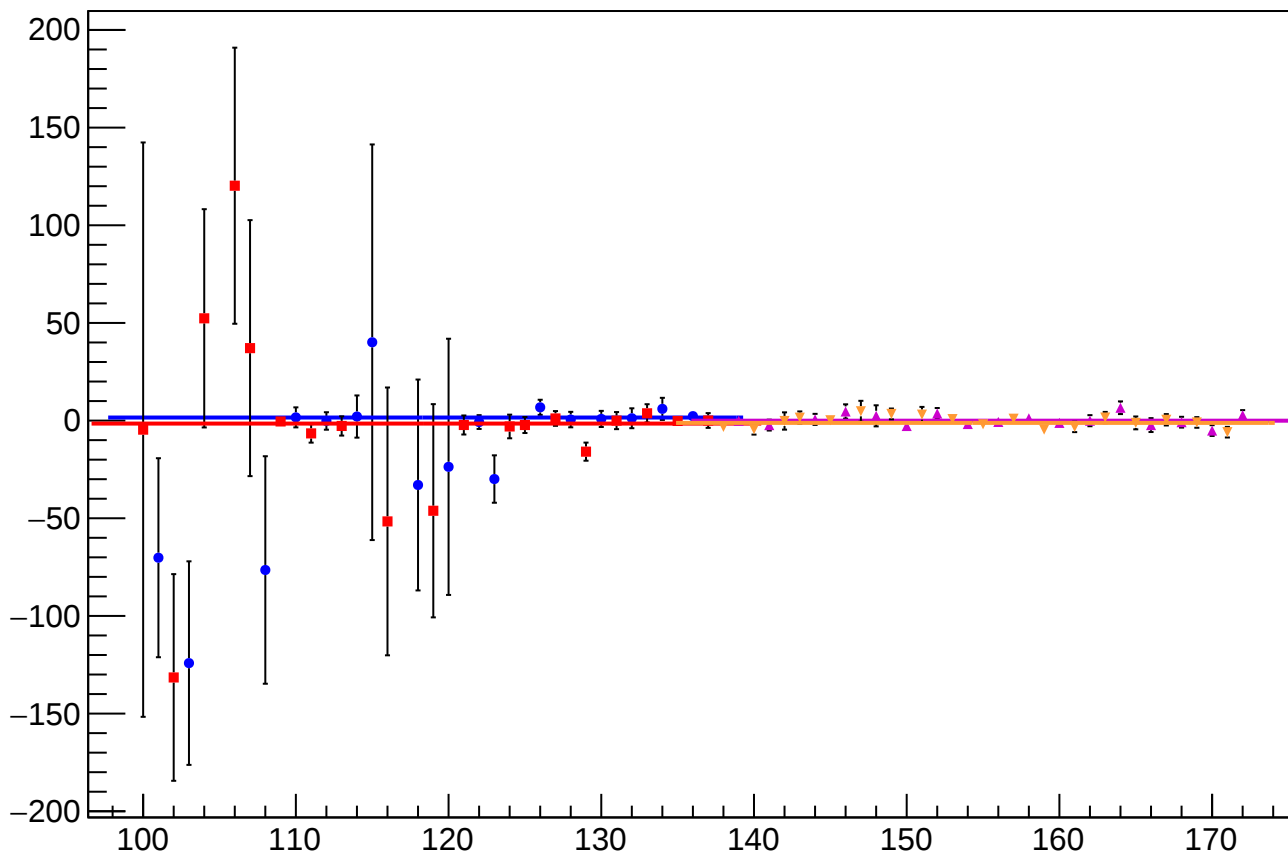
Left In: 1662.606 $\pm$ 0.326 χ^2 /NDF: 178195.1/16

+ sign 1762.040 $\pm$ 0.301 χ^2 /NDF: 5923751.8/34

All: 1770.508 $\pm$ 0.214 χ^2 /NDF: 12032096.9/7

- sign 1779.200 $\pm$ 0.305 χ^2 /NDF: 6106745.4/35

diff_bpm1p03aY_mean vs Slug



Right In: 1.576 ± 1.143 χ^2/NDF : 20.3/16

Left Out: -1.172 ± 0.626 χ^2/NDF : 18.0/17

Right Out: -1.524 ± 1.062 χ^2/NDF : 25.0/18

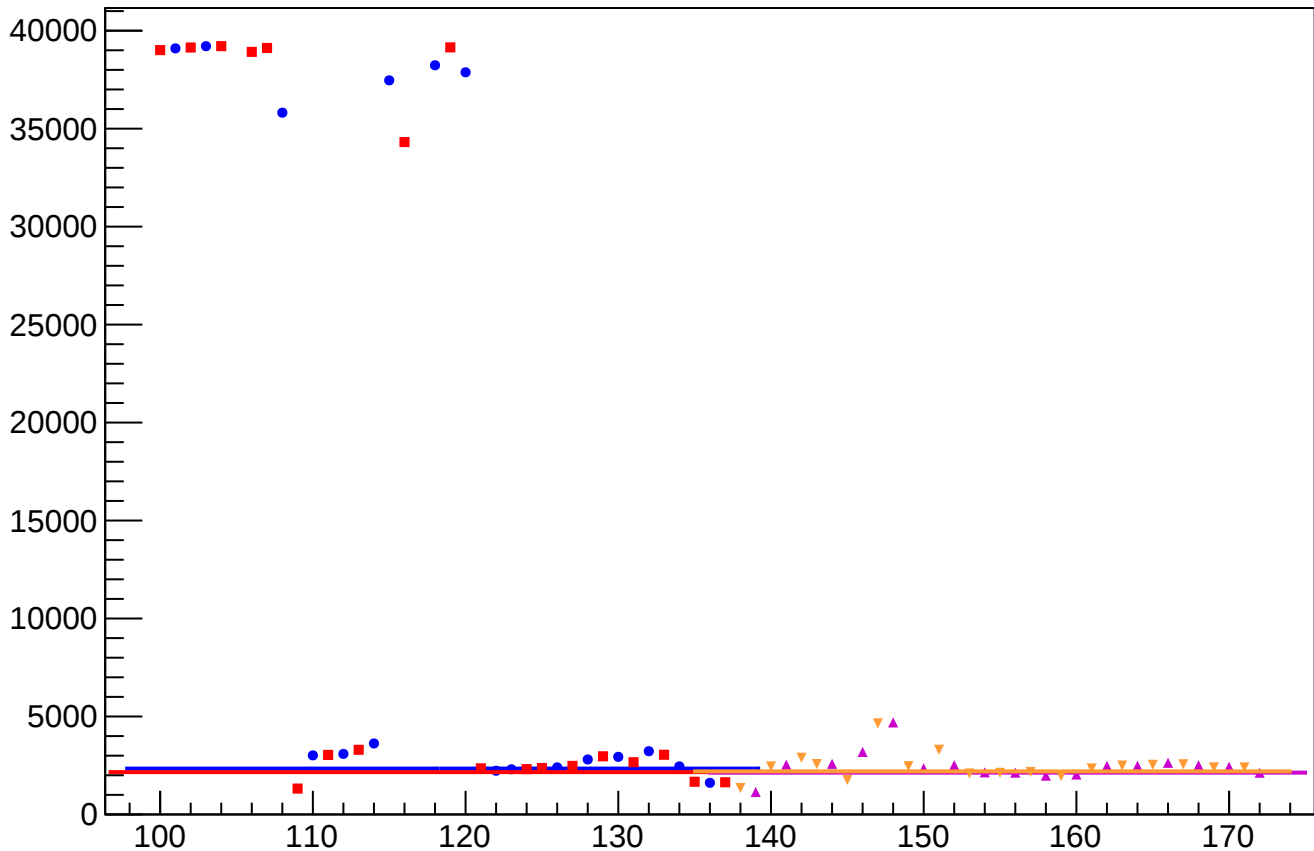
Left In: -0.044 ± 0.618 χ^2/NDF : 15.7/16

+ sign -0.537 ± 0.549 χ^2/NDF : 42.8/34

All: -0.476 ± 0.383 χ^2/NDF : 85.0/70

- sign -0.418 ± 0.534 χ^2/NDF : 42.2/35

diff_bpm1p03aY_rms vs Slug



Right In: 2341.130+/-0.808 χ^2/NDF : 5006864.7/16

Left Out: 2199.466+/-0.443 χ^2/NDF :1402447.8/17

Right Out: 2161.162+/-0.751 χ^2/NDF : 5299050.1/18

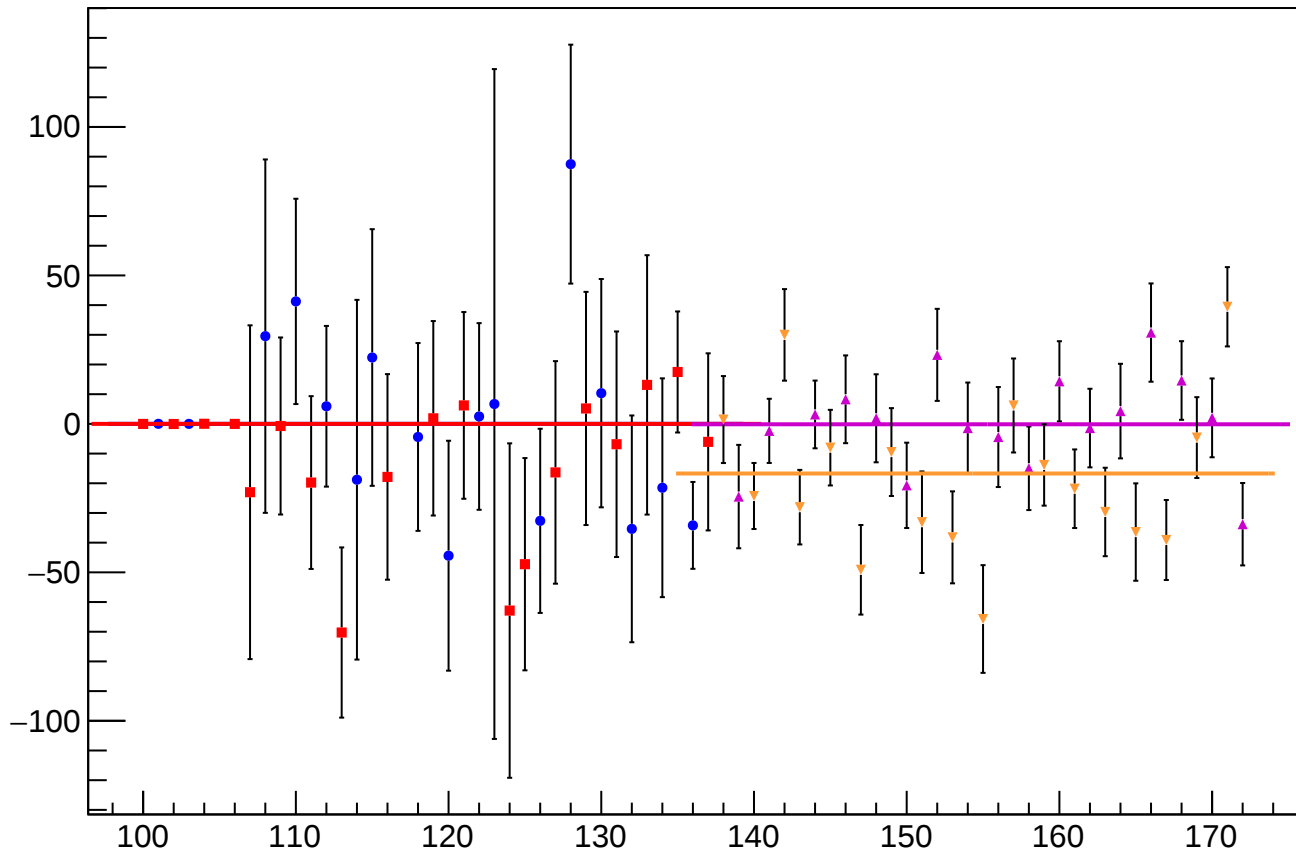
Left In: 2134.231+/-0.437 χ^2/NDF :1943736.5/16

+ sign 2232.175+/-0.388 χ^2/NDF : 6432943.2/34

All: 2185.315+/-0.271 χ^2/NDF : 13705009.8/7

- sign 2141.035+/-0.378 χ^2/NDF : 7243747.5/35

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 16.2/16

Left Out: -16.709 ± 3.356 χ^2/NDF : 53.2/17

Right Out: 0.003 ± 0.016 χ^2/NDF : 15.9/18

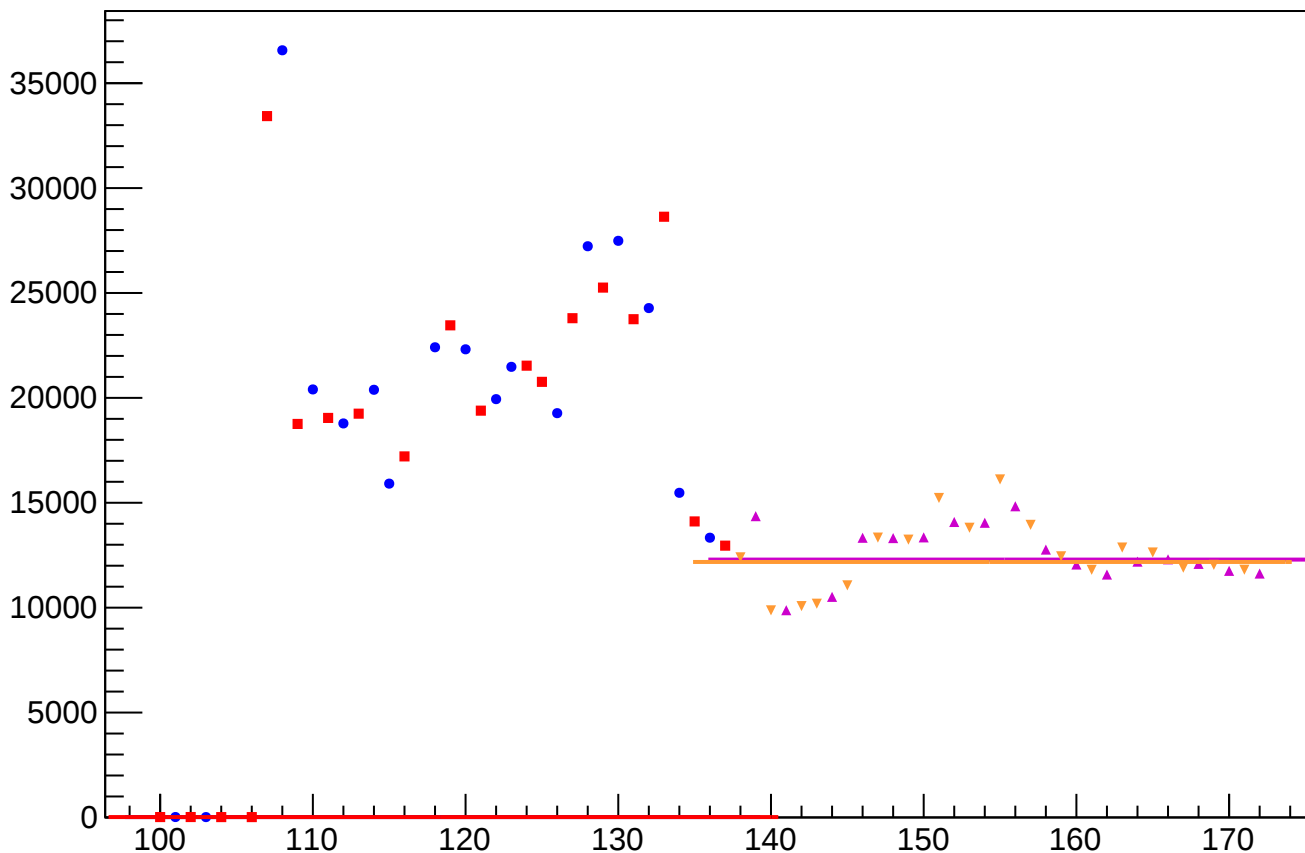
Left In: -0.132 ± 3.413 χ^2/NDF : 19.8/16

+ sign 0.013 ± 0.017 χ^2/NDF : 94.2/34

All: 0.008 ± 0.012 χ^2/NDF : 130.0/70

- sign 0.003 ± 0.016 χ^2/NDF : 35.7/35

diff_cav4bX_rms vs Slug



Right In: 18.642 $\pm$ 0.012 χ^2 /NDF: 10984160.5/16

Left Out: 12178.577 $\pm$ 2.373 χ^2 /NDF: 427127.2/17

Right Out: 18.311 $\pm$ 0.011 χ^2 /NDF: 11110665.6/18

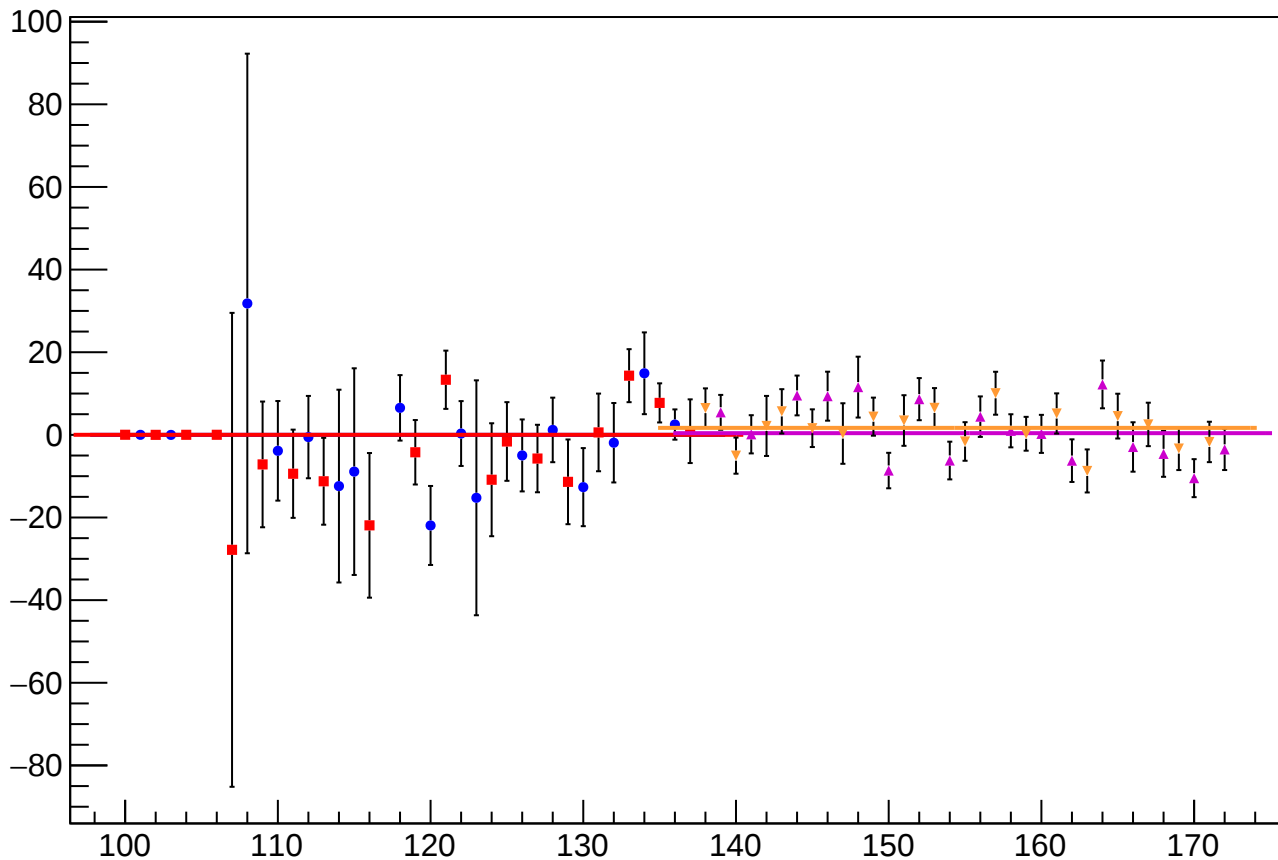
Left In: 12291.642 $\pm$ 2.413 χ^2 /NDF: 322383.3/16

+ sign 18.966 $\pm$ 0.012 χ^2 /NDF: 37673202.3/34

All: 18.760 $\pm$ 0.008 χ^2 /NDF: 74972698.4/70

- sign 18.584 $\pm$ 0.011 χ^2 /NDF: 37298972.4/35

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 13.0/16

Left Out: 1.694 $\pm$ 1.191 χ^2 /NDF:14.9/17

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 18.6/18

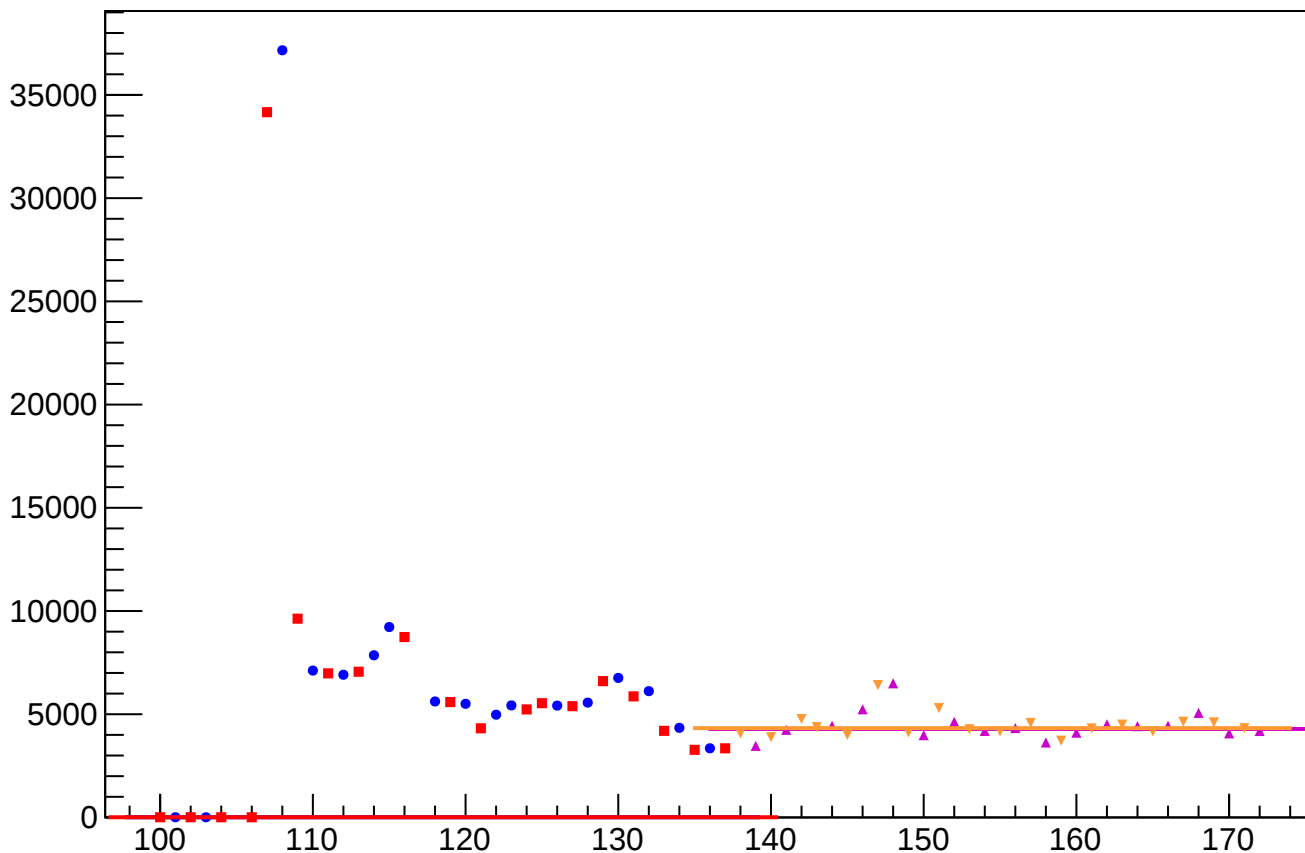
Left In: 0.411 $\pm$ 1.195 χ^2 /NDF:32.6/16

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 29.9/34

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 82.4/70

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 51.3/35

diff_cav4bY_rms vs Slug



Right In: 9.939+/-0.007 χ^2/NDF : 11114526.8/16

Left Out: 4326.864+/-0.842 χ^2/NDF : 328394.6/17

Right Out: 9.854+/-0.006 χ^2/NDF : 11159992.3/18

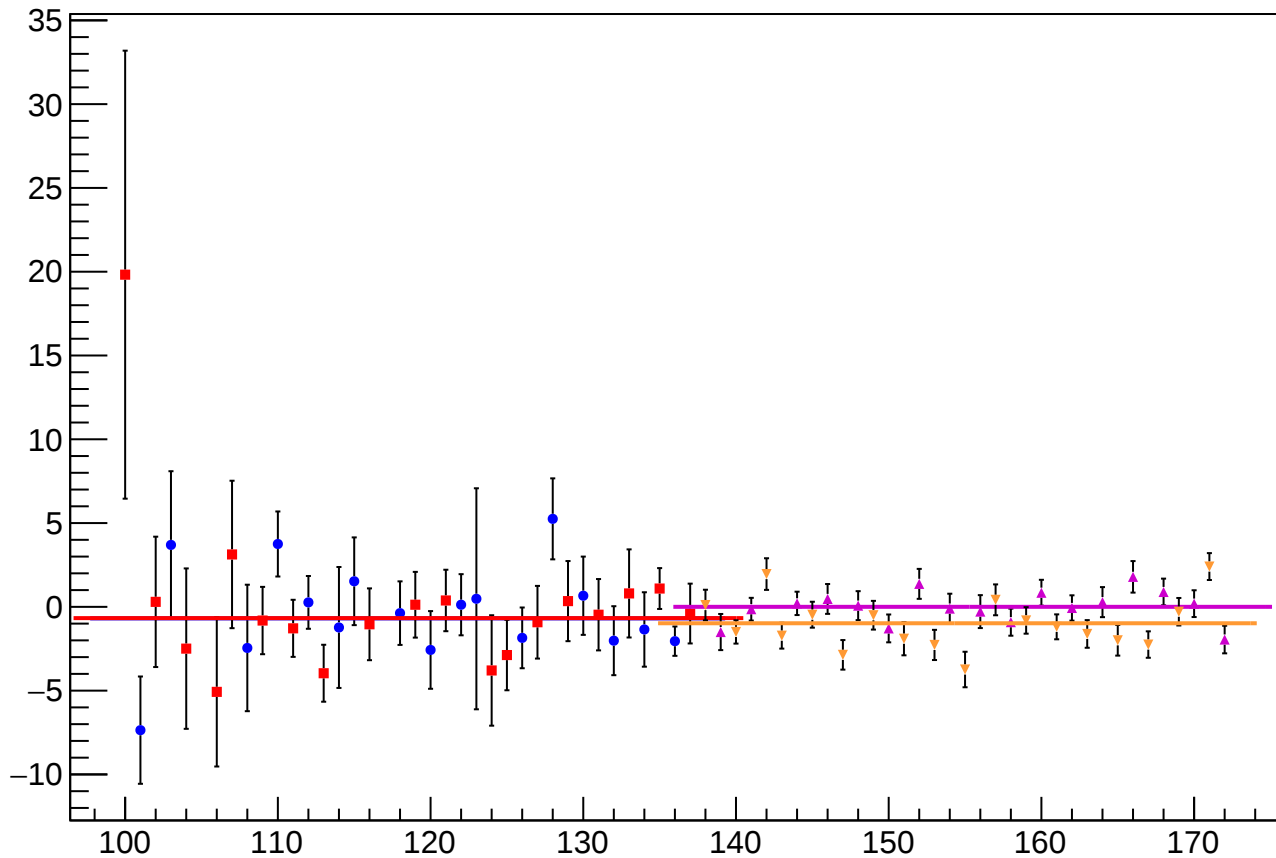
Left In: 4286.099+/-0.845 χ^2/NDF : 436769.9/16

+ sign 10.197+/-0.007 χ^2/NDF : 37705232.8/34

All: 10.134+/-0.004 χ^2/NDF : 74914279.3/70

- sign 10.078+/-0.006 χ^2/NDF : 37208871.6/35

diff_cav4cX_mean vs Slug



Right In: -0.689 ± 0.482 χ^2/NDF : 22.5/16

Left Out: -0.979 ± 0.198 χ^2/NDF : 53.0/17

Right Out: -0.672 ± 0.501 χ^2/NDF : 13.3/18

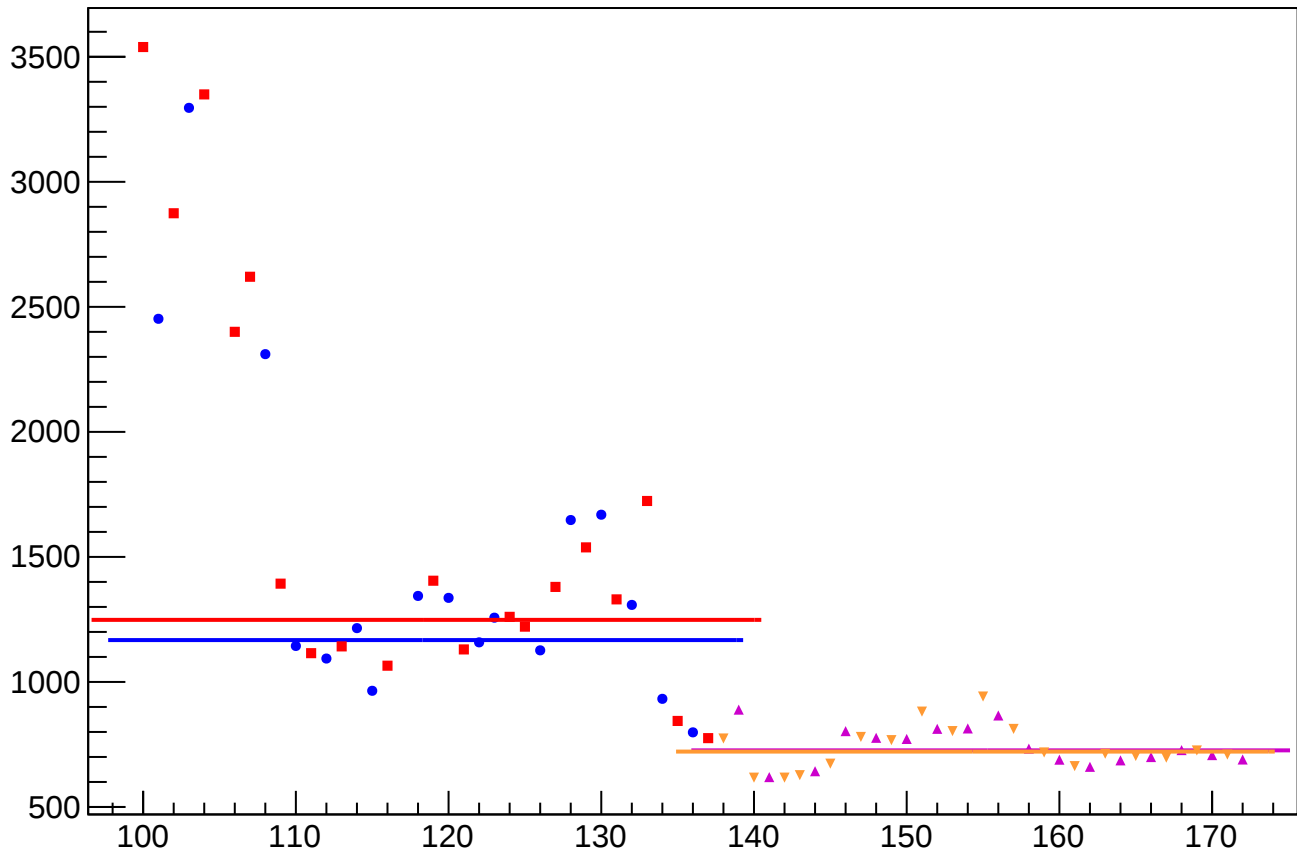
Left In: 0.002 ± 0.201 χ^2/NDF : 20.3/16

+ sign -0.937 ± 0.183 χ^2/NDF : 75.8/34

All: -0.522 ± 0.131 χ^2/NDF : 121.4/70

- sign -0.092 ± 0.187 χ^2/NDF : 35.2/35

diff_cav4cX_rms vs Slug



Right In: 1167.397 $\pm$ 0.341 χ^2 /NDF: 1578328.1/16

Left Out: 721.518 $\pm$ 0.140 χ^2 /NDF: 318136.6/17

Right Out: 1248.241 $\pm$ 0.354 χ^2 /NDF: 1654028.9/18

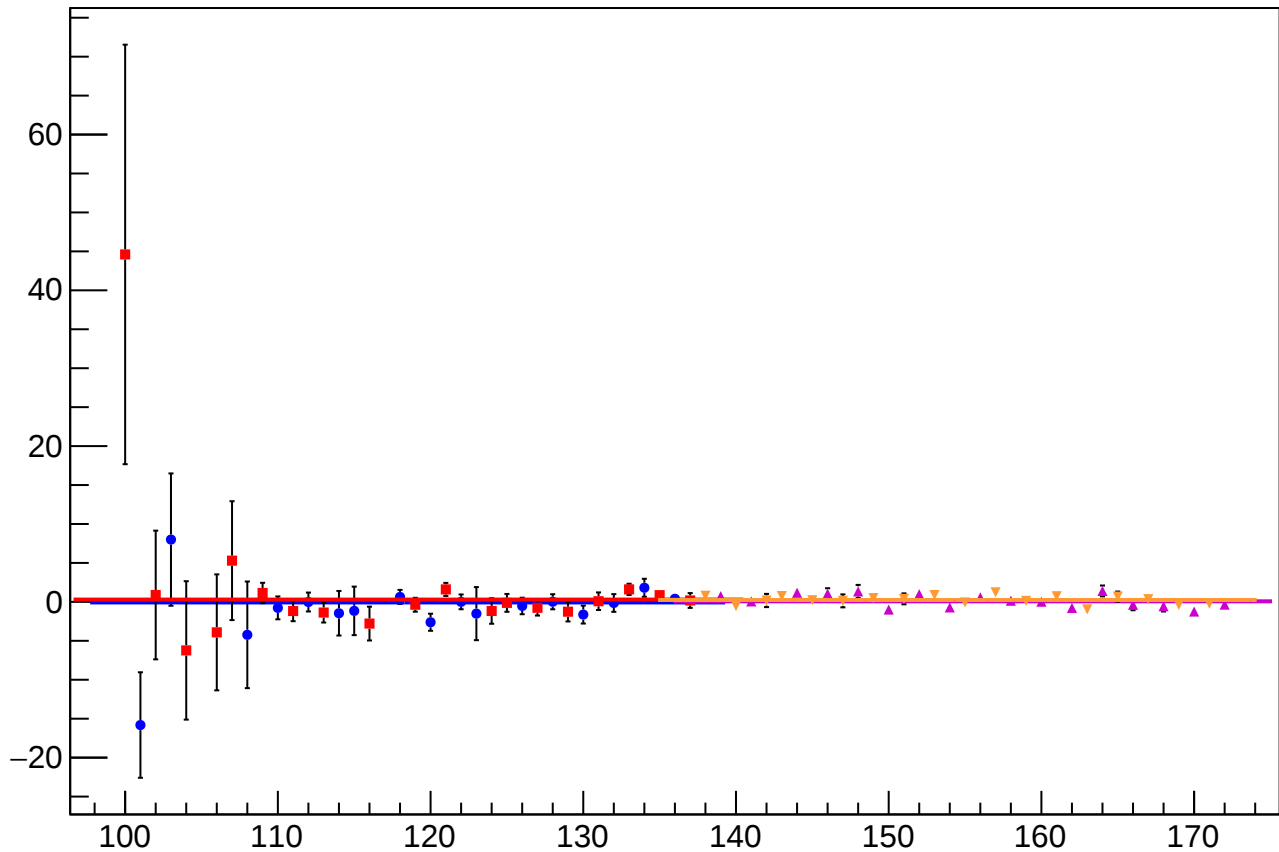
Left In: 726.400 $\pm$ 0.142 χ^2 /NDF: 260909.2/16

+ sign 786.011 $\pm$ 0.130 χ^2 /NDF: 3358730.9/34

All: 792.422 $\pm$ 0.093 χ^2 /NDF: 7148721.7/70

- sign 799.074 $\pm$ 0.132 χ^2 /NDF: 3785012.9/35

diff_cav4cY_mean vs Slug



Right In: -0.072 ± 0.269 χ^2/NDF : 19.2/16

Left Out: 0.243 ± 0.143 χ^2/NDF : 14.5/17

Right Out: 0.294 ± 0.264 χ^2/NDF : 20.2/18

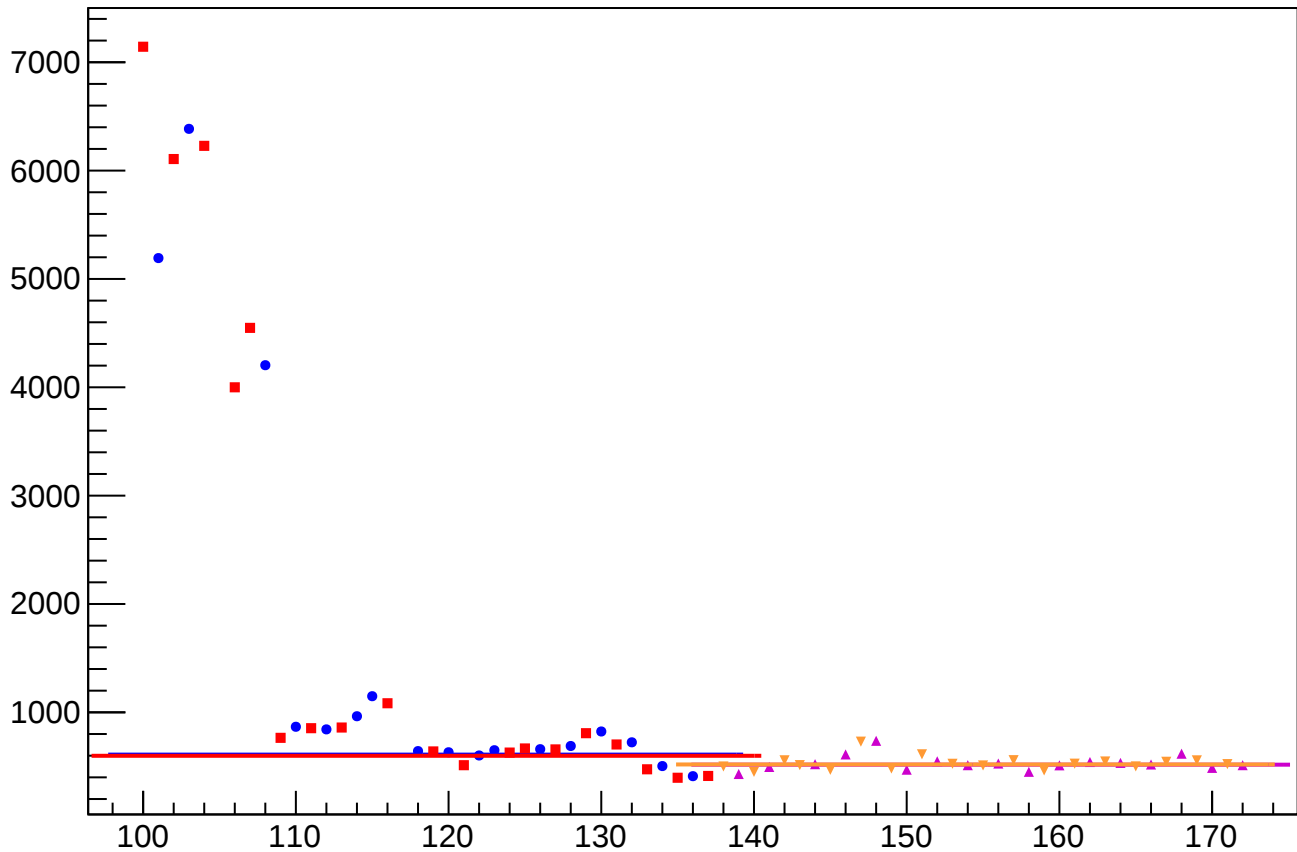
Left In: 0.070 ± 0.144 χ^2/NDF : 32.2/16

+ sign 0.174 ± 0.126 χ^2/NDF : 34.8/34

All: 0.148 ± 0.089 χ^2/NDF : 87.9/70

- sign 0.122 ± 0.126 χ^2/NDF : 53.0/35

diff_cav4cY_rms vs Slug



Right In: 609.780 $\pm$ 0.190 χ^2 /NDF: 3135978.5/16

Left Out: 519.000 $\pm$ 0.101 χ^2 /NDF: 280848.9/17

Right Out: 599.018 $\pm$ 0.187 χ^2 /NDF: 3552387.3/18

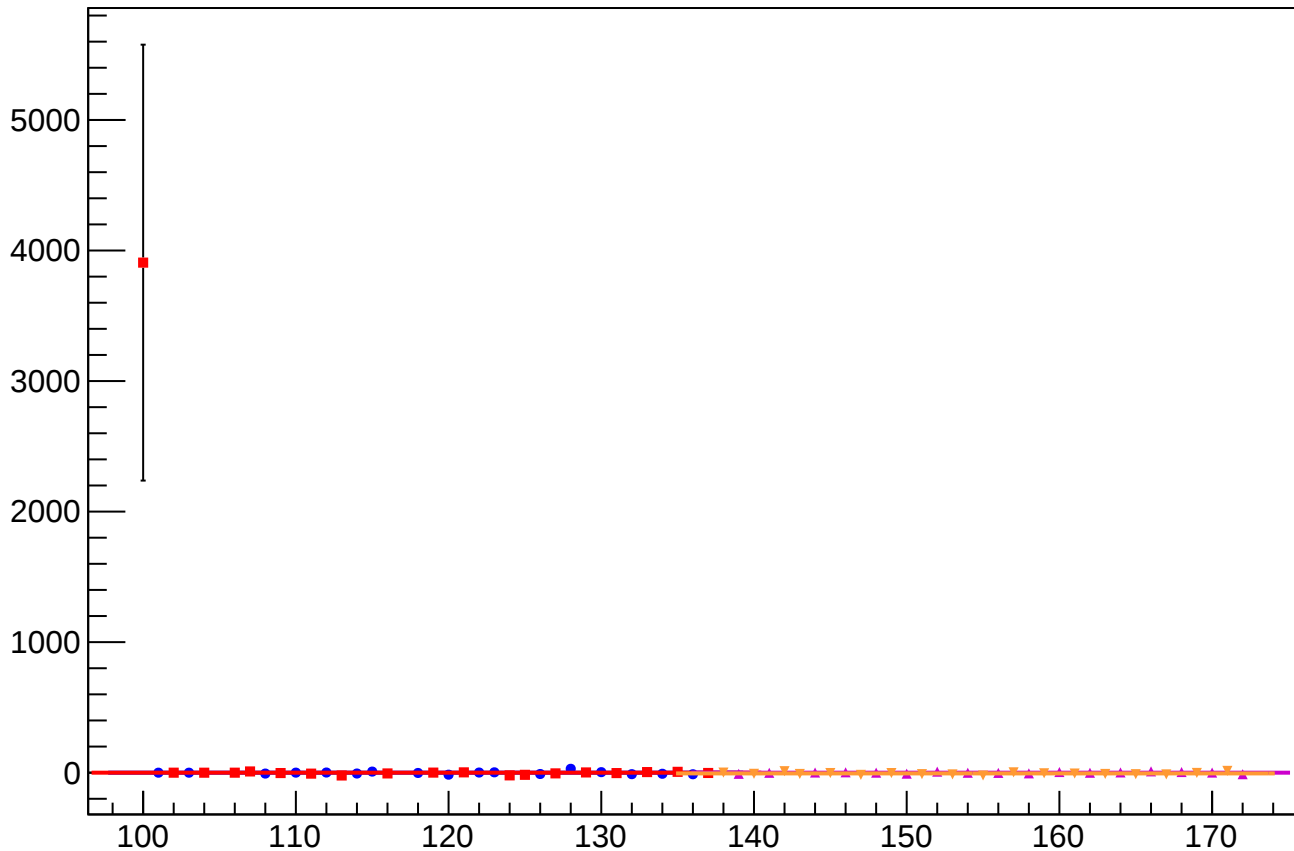
Left In: 516.920 $\pm$ 0.102 χ^2 /NDF: 346861.8/16

+ sign 538.985 $\pm$ 0.089 χ^2 /NDF: 3595013.0/34

All: 537.354 $\pm$ 0.063 χ^2 /NDF: 7644161.5/70

- sign 535.717 $\pm$ 0.089 χ^2 /NDF: 4048477.8/35

diff_cav4dX_mean vs Slug



Right In: -0.022 $\pm$ 0.021 χ^2 /NDF: 15.6/16

Left Out: -5.657 $\pm$ 1.155 χ^2 /NDF:52.8/17

Right Out: -0.027 $\pm$ 0.020 χ^2 /NDF: 17.9/18

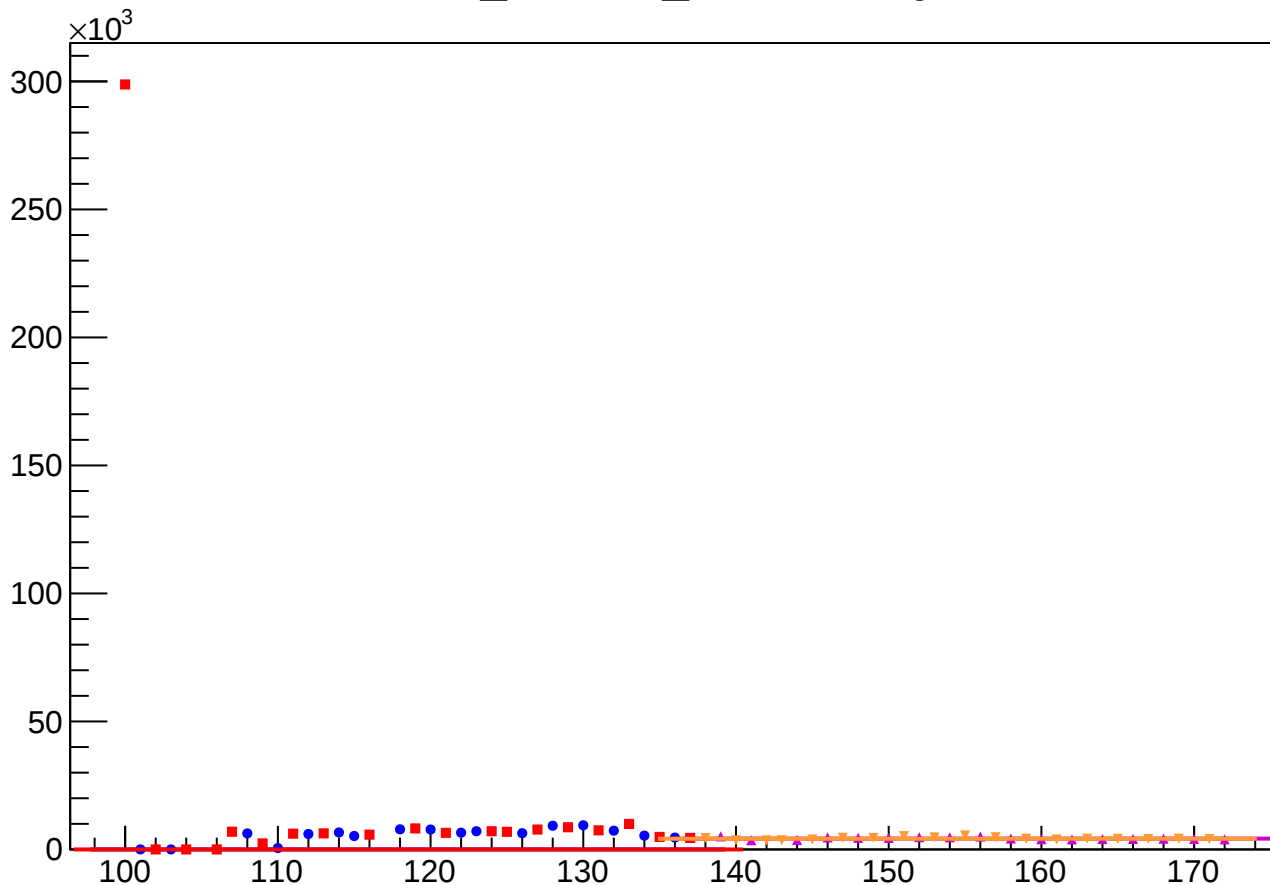
Left In: -0.032 $\pm$ 1.173 χ^2 /NDF:20.4/16

+ sign -0.023 $\pm$ 0.021 χ^2 /NDF: 92.2/34

All: -0.025 $\pm$ 0.014 χ^2 /NDF: 130.6/70

- sign -0.027 $\pm$ 0.020 χ^2 /NDF: 38.3/35

diff_cav4dX_rms vs Slug



Right In: 17.341+/-0.015 χ^2/NDF : 10501445.0/16

Left Out: 4199.369+/-0.817 χ^2/NDF : 336675.7/17

Right Out: 17.269+/-0.014 χ^2/NDF : 10820611.7/18

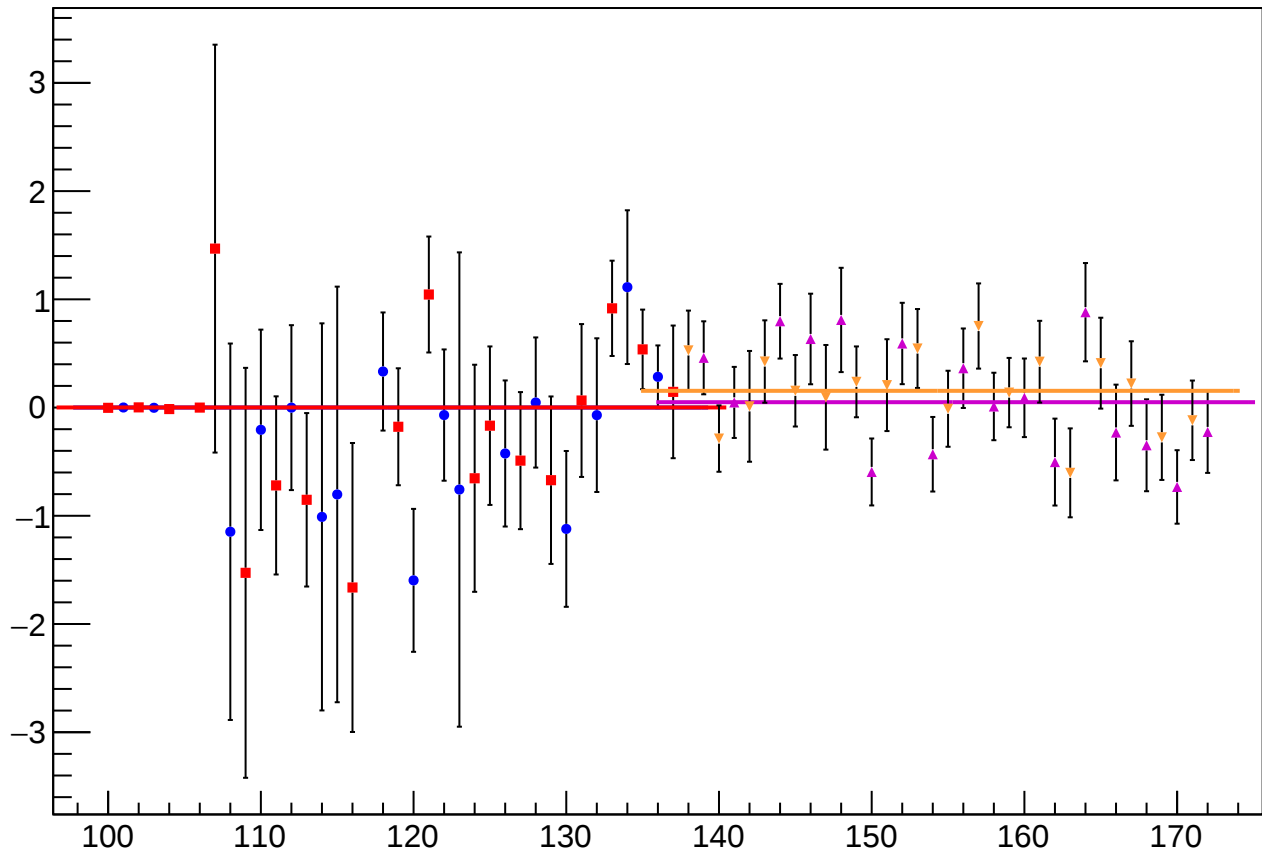
Left In: 4231.341+/-0.830 χ^2/NDF : 269242.6/16

+ sign 18.696+/-0.015 χ^2/NDF : 37062419.3/34

All: 18.575+/-0.010 χ^2/NDF : 73943706.6/70

- sign 18.466+/-0.014 χ^2/NDF : 36881157.8/35

diff_cav4dY_mean vs Slug



Right In: 0.000 ± 0.002 χ^2/NDF : 13.8/16

Left Out: 0.155 ± 0.088 χ^2/NDF : 13.5/17

Right Out: 0.001 ± 0.002 χ^2/NDF : 17.9/18

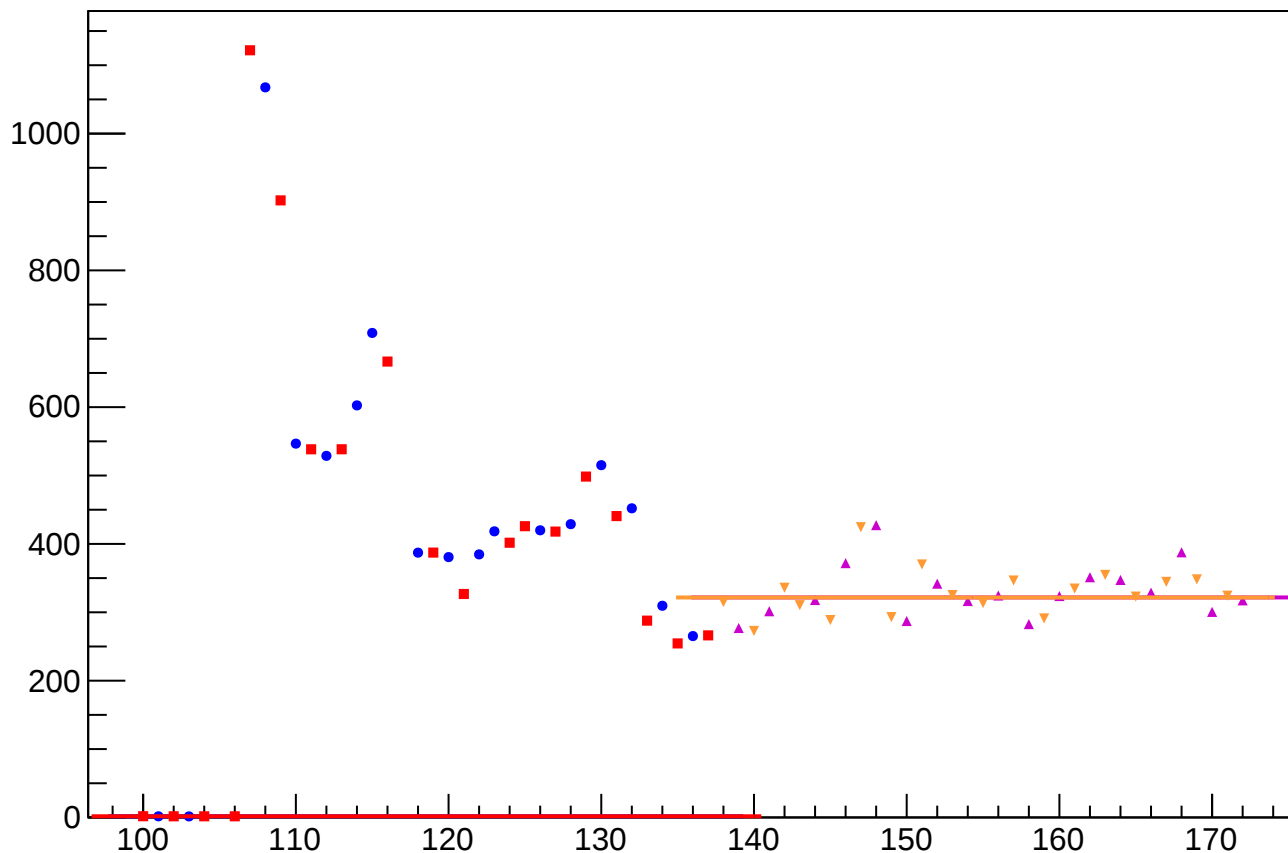
Left In: 0.050 ± 0.089 χ^2/NDF : 32.1/16

+ sign 0.000 ± 0.002 χ^2/NDF : 30.3/34

All: 0.001 ± 0.001 χ^2/NDF : 80.7/70

- sign 0.001 ± 0.002 χ^2/NDF : 50.3/35

diff_cav4dY_rms vs Slug



Right In: 1.699+/-0.001 χ^2/NDF : 11053026.2/16

Left Out: 321.677+/-0.063 χ^2/NDF : 265419.5/17

Right Out: 1.728+/-0.001 χ^2/NDF : 10743910.0/18

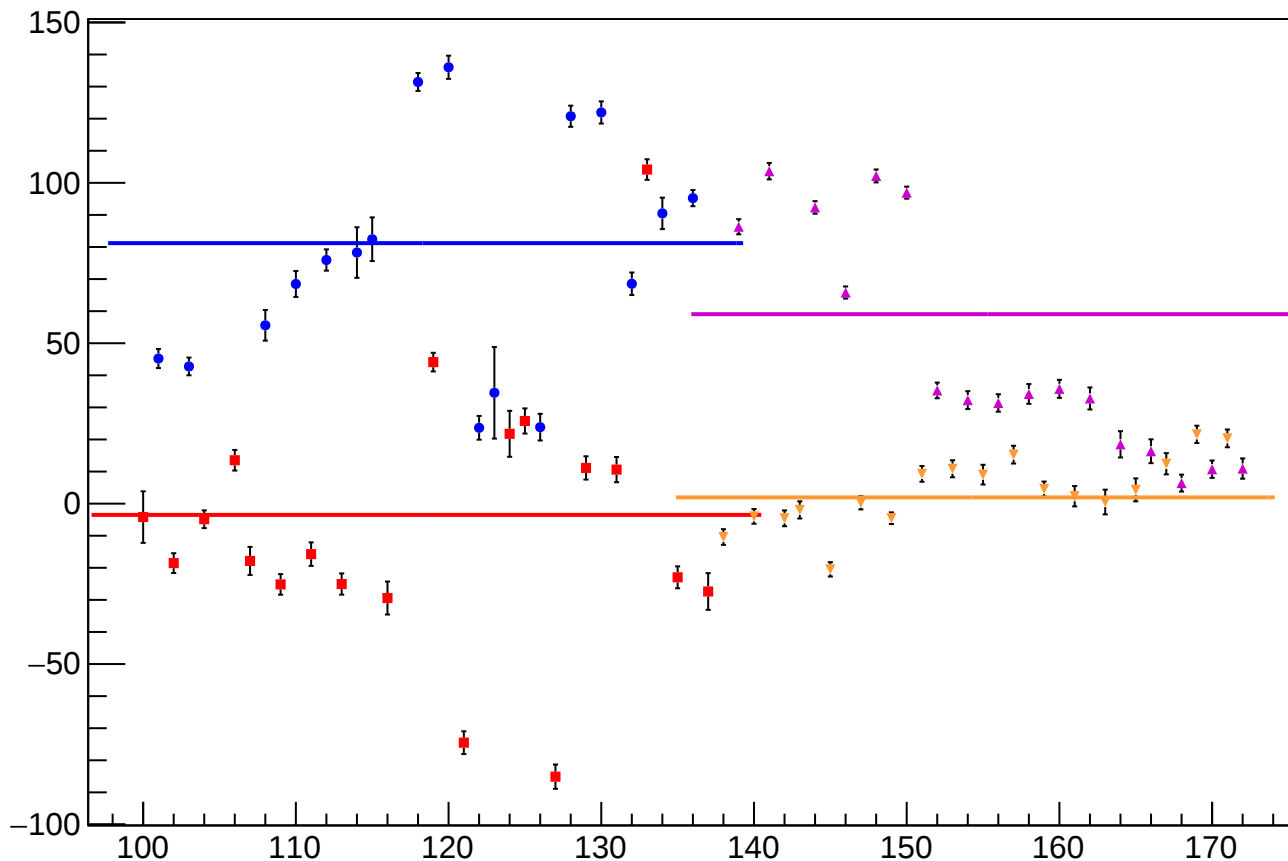
Left In: 321.735+/-0.063 χ^2/NDF : 304389.9/16

+ sign 1.867+/-0.001 χ^2/NDF : 37500345.6/34

All: 1.873+/-0.001 χ^2/NDF : 74154733.3/70

- sign 1.879+/-0.001 χ^2/NDF : 36654352.1/35

diff_bpm0i01X_mean vs Slug



Right In: 81.201 $\pm$ 0.886 χ^2 /NDF: 1709.8/16

Left Out: 1.945 $\pm$ 0.606 χ^2 /NDF: 312.9/17

Right Out: -3.508 $\pm$ 0.843 χ^2 /NDF: 2599.0/18

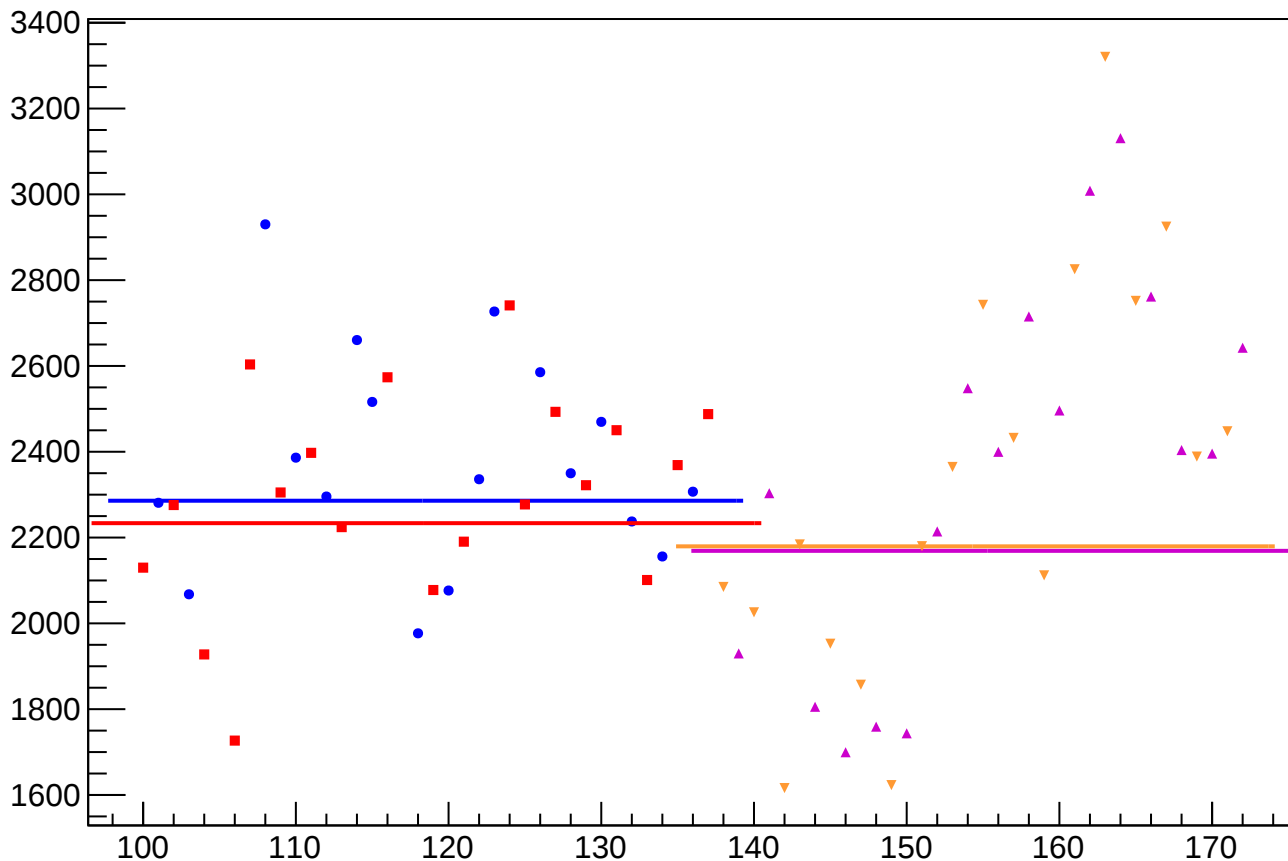
Left In: 59.061 $\pm$ 0.613 χ^2 /NDF: 3262.8/16

+ sign 27.208 $\pm$ 0.500 χ^2 /NDF: 7477.8/34

All: 32.359 $\pm$ 0.352 χ^2 /NDF: 17157.5/70

- sign 37.417 $\pm$ 0.496 χ^2 /NDF: 9469.3/35

diff_bpm0i01X_rms vs Slug



Right In: 2285.855+/-0.626 χ^2/NDF : 109336.5/16

Left Out: 2179.521+/-0.428 χ^2/NDF : 908479.2/17

Right Out: 2233.547+/-0.596 χ^2/NDF : 146848.5/18

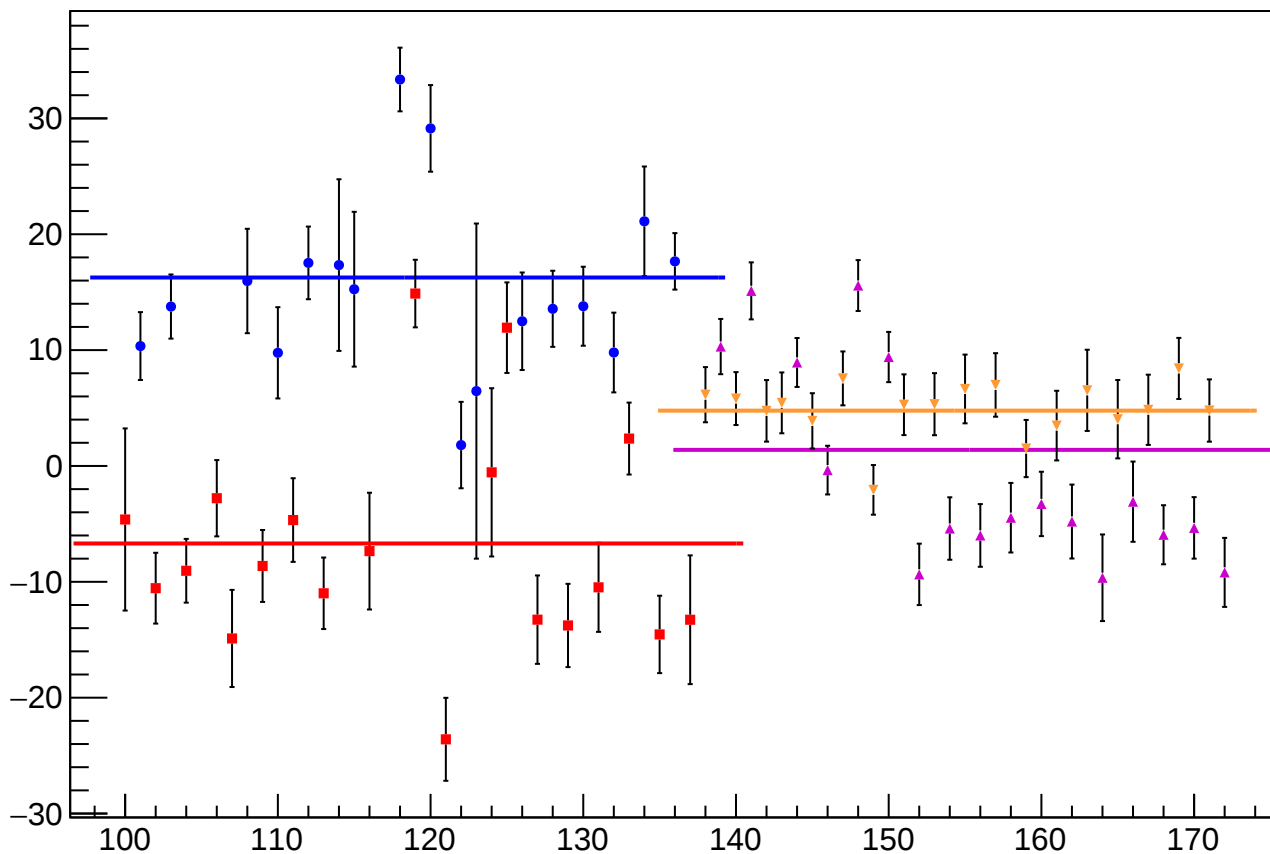
Left In: 2169.035+/-0.433 χ^2/NDF : 901278.3/16

+ sign 2213.415+/-0.354 χ^2/NDF : 1037454.6/34

All: 2202.283+/-0.249 χ^2/NDF : 2095216.0/70

- sign 2191.351+/-0.350 χ^2/NDF : 1055796.7/35

diff_bpm0i01Y_mean vs Slug



Right In: 16.265 ± 0.872 χ^2/NDF : 80.8/16

Left Out: 4.775 ± 0.620 χ^2/NDF : 17.6/17

Right Out: -6.690 ± 0.831 χ^2/NDF : 134.0/18

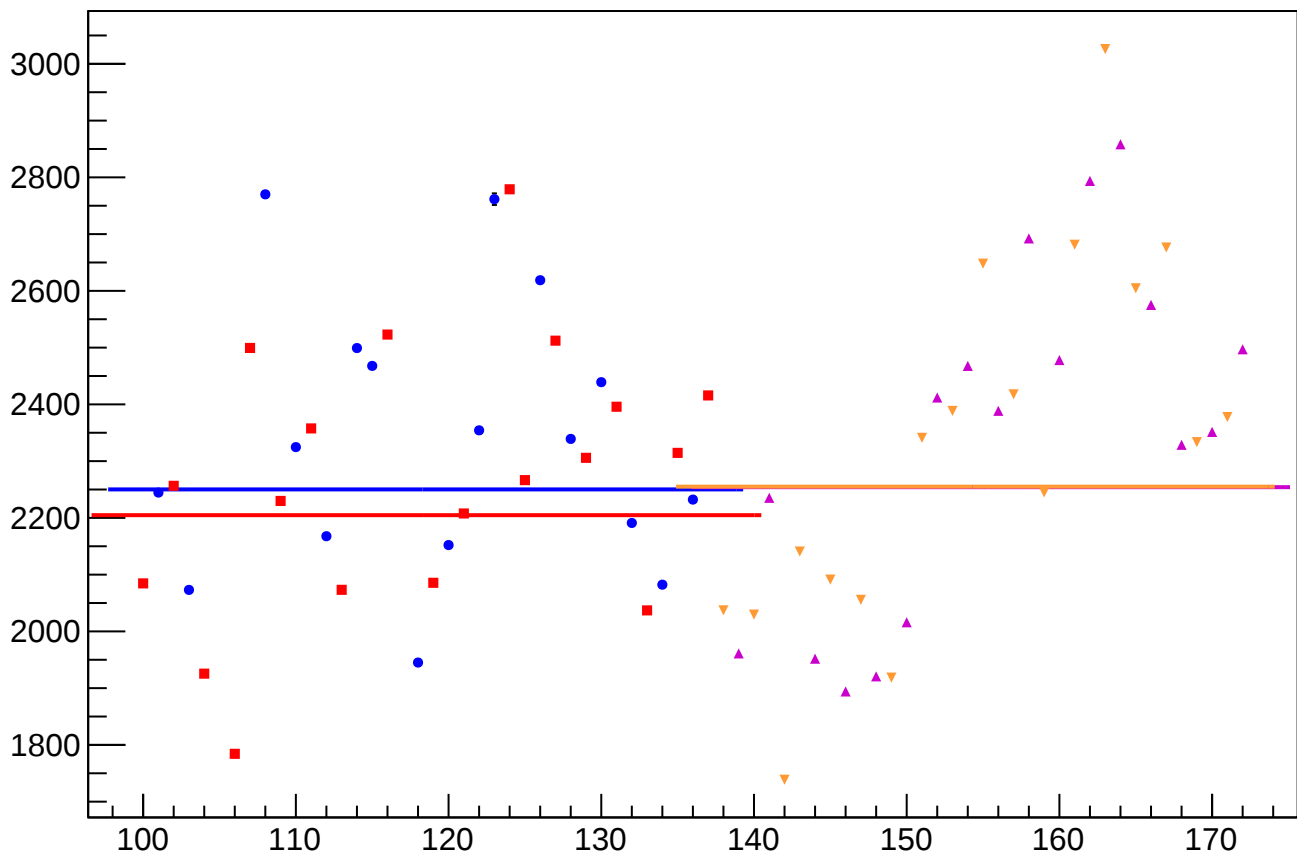
Left In: 1.389 ± 0.629 χ^2/NDF : 192.1/16

+ sign 8.638 ± 0.505 χ^2/NDF : 213.8/34

All: 3.502 ± 0.356 χ^2/NDF : 805.0/70

- sign -1.553 ± 0.501 χ^2/NDF : 386.2/35

diff_bpm0i01Y_rms vs Slug



Right In: 2250.175+/-0.616 χ^2/NDF : 97578.1/16

Left Out: 2255.044+/-0.439 χ^2/NDF : 441207.5/17

Right Out: 2204.789+/-0.587 χ^2/NDF : 126227.4/18

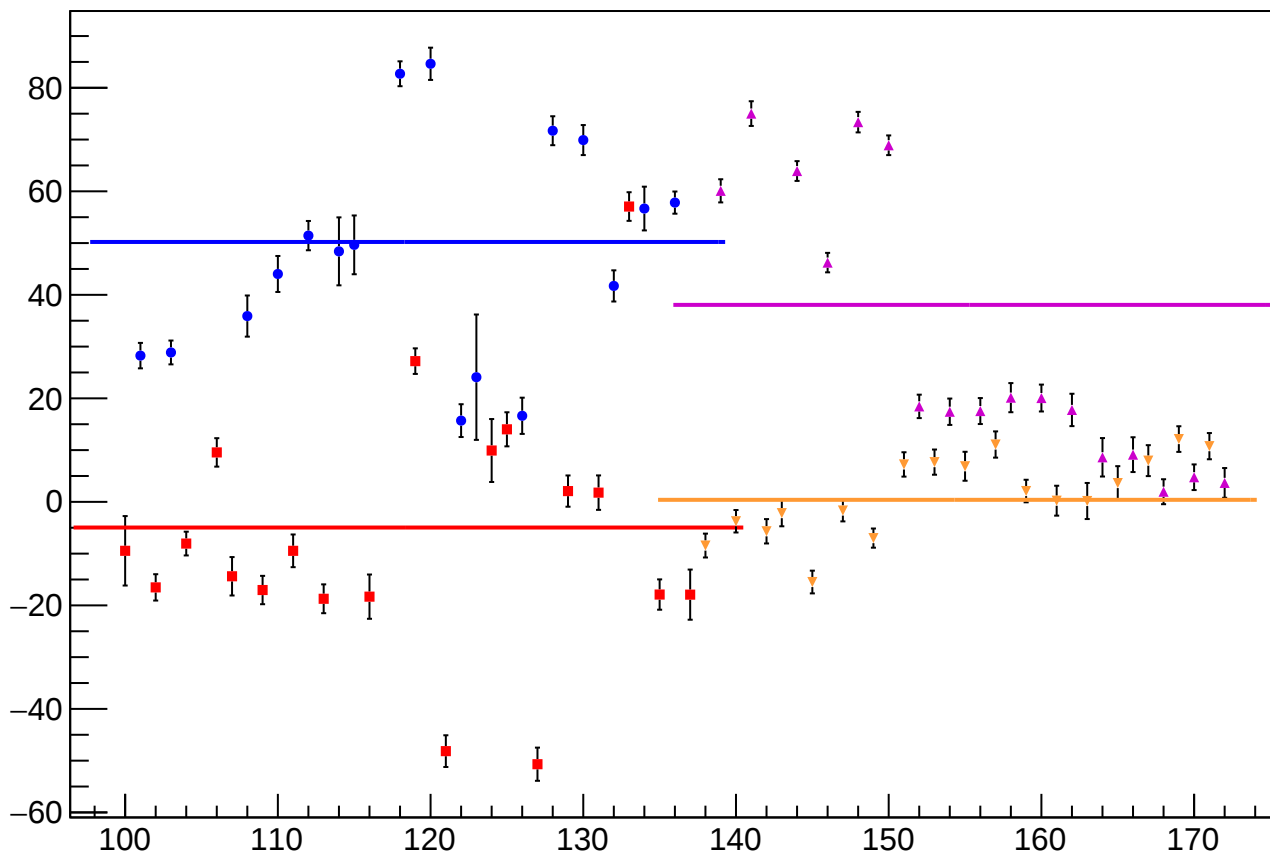
Left In: 2254.124+/-0.445 χ^2/NDF : 424628.4/16

+ sign 2253.407+/-0.357 χ^2/NDF : 538827.0/34

All: 2244.714+/-0.252 χ^2/NDF : 1095342.2/70

- sign 2236.159+/-0.354 χ^2/NDF : 555340.9/35

diff_bpm0i01aX_mean vs Slug



Right In: 50.215 ± 0.751 χ^2/NDF : 830.3/16

Left Out: 0.394 ± 0.574 χ^2/NDF : 183.0/17

Right Out: -4.958 ± 0.713 χ^2/NDF : 1262.6/18

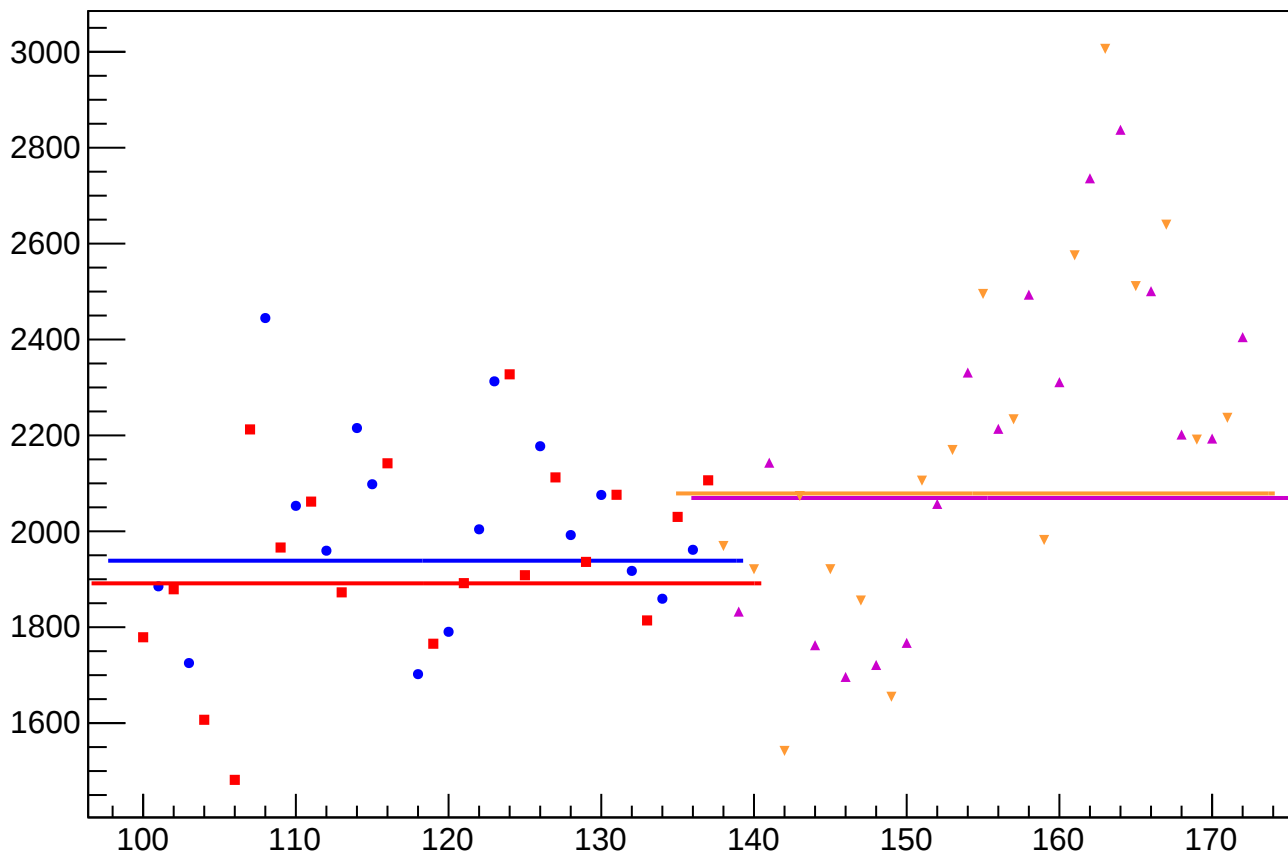
Left In: 38.058 ± 0.581 χ^2/NDF : 2142.0/16

+ sign 18.790 ± 0.456 χ^2/NDF : 3790.9/34

All: 19.864 ± 0.321 χ^2/NDF : 9392.8/70

- sign 20.911 ± 0.450 χ^2/NDF : 5591.0/35

diff_bpm0i01aX_rms vs Slug



Right In: 1938.688+/-0.531 χ^2/NDF : 100143.1/16

Left Out: 2078.965+/-0.406 χ^2/NDF : 633646.7/17

Right Out: 1891.466+/-0.504 χ^2/NDF : 146622.8/18

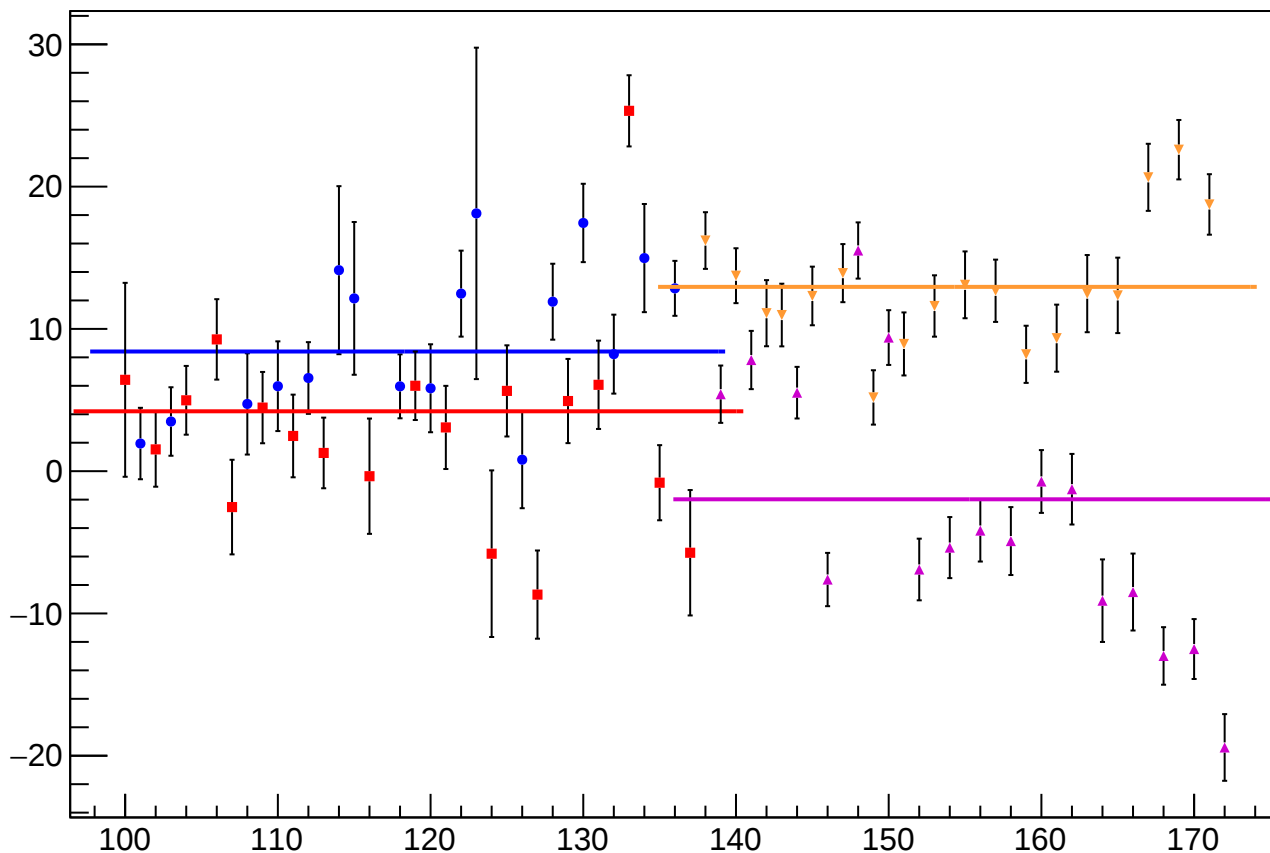
Left In: 2069.471+/-0.411 χ^2/NDF : 604886.3/16

+ sign 2027.171+/-0.323 χ^2/NDF : 777829.6/34

All: 2012.659+/-0.227 χ^2/NDF : 1608214.3/70

- sign 1998.514+/-0.318 χ^2/NDF : 826388.6/35

diff_bpm0i01aY_mean vs Slug



Right In: 8.411 ± 0.711 $\chi^2/\text{NDF}: 44.6/16$

Left Out: 12.954 ± 0.513 $\chi^2/\text{NDF}: 72.2/17$

Right Out: 4.208 ± 0.682 $\chi^2/\text{NDF}: 113.1/18$

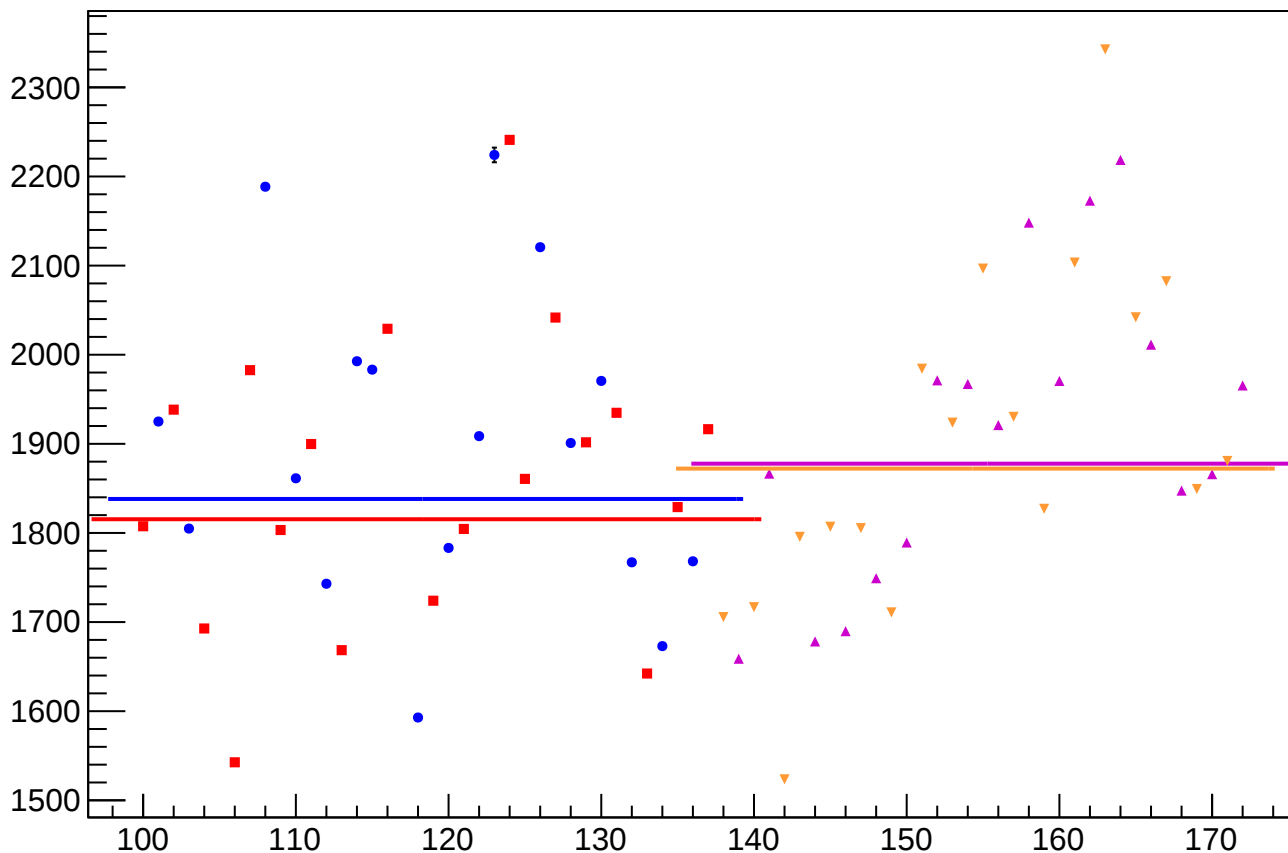
Left In: -1.977 ± 0.520 $\chi^2/\text{NDF}: 308.2/16$

+ sign 11.401 ± 0.416 $\chi^2/\text{NDF}: 143.7/34$

All: 5.822 ± 0.293 $\chi^2/\text{NDF}: 975.2/70$

- sign 0.297 ± 0.414 $\chi^2/\text{NDF}: 473.2/35$

diff_bpm0i01aY_rms vs Slug



Right In: 1838.143 $\pm$ 0.503 χ^2 /NDF: 82878.7/16

Left Out: 1872.210 $\pm$ 0.362 χ^2 /NDF: 223533.5/17

Right Out: 1815.403 $\pm$ 0.483 χ^2 /NDF: 87419.0/18

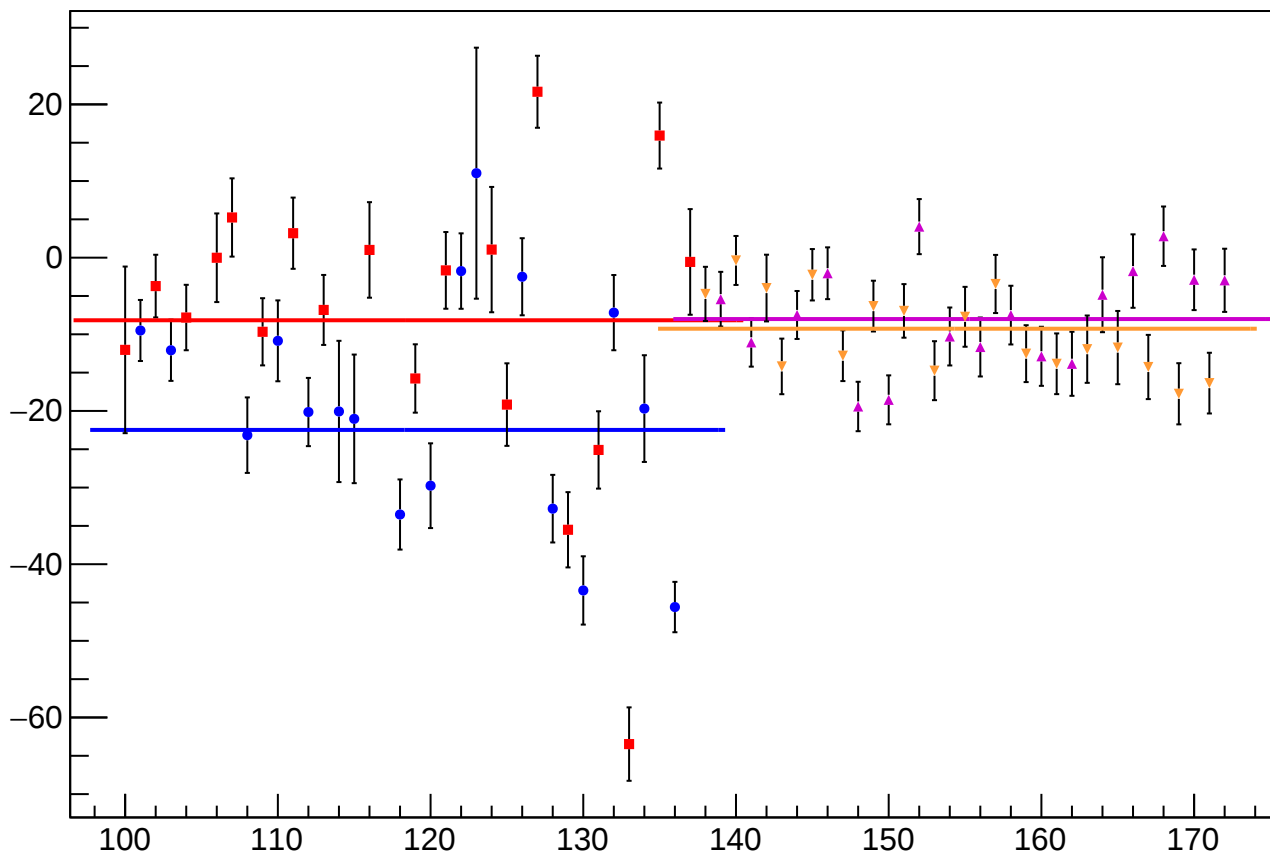
Left In: 1877.760 $\pm$ 0.368 χ^2 /NDF: 181962.7/16

+ sign 1860.566 $\pm$ 0.294 χ^2 /NDF: 309432.3/34

All: 1857.685 $\pm$ 0.207 χ^2 /NDF: 589564.8/70

- sign 1854.831 $\pm$ 0.293 χ^2 /NDF: 279941.3/35

diff_bpm0l01X_mean vs Slug



Right In: -22.477 ± 1.195 χ^2/NDF : 154.7/16

Left Out: -9.272 ± 0.885 χ^2/NDF : 36.0/17

Right Out: -8.169 ± 1.157 χ^2/NDF : 276.9/18

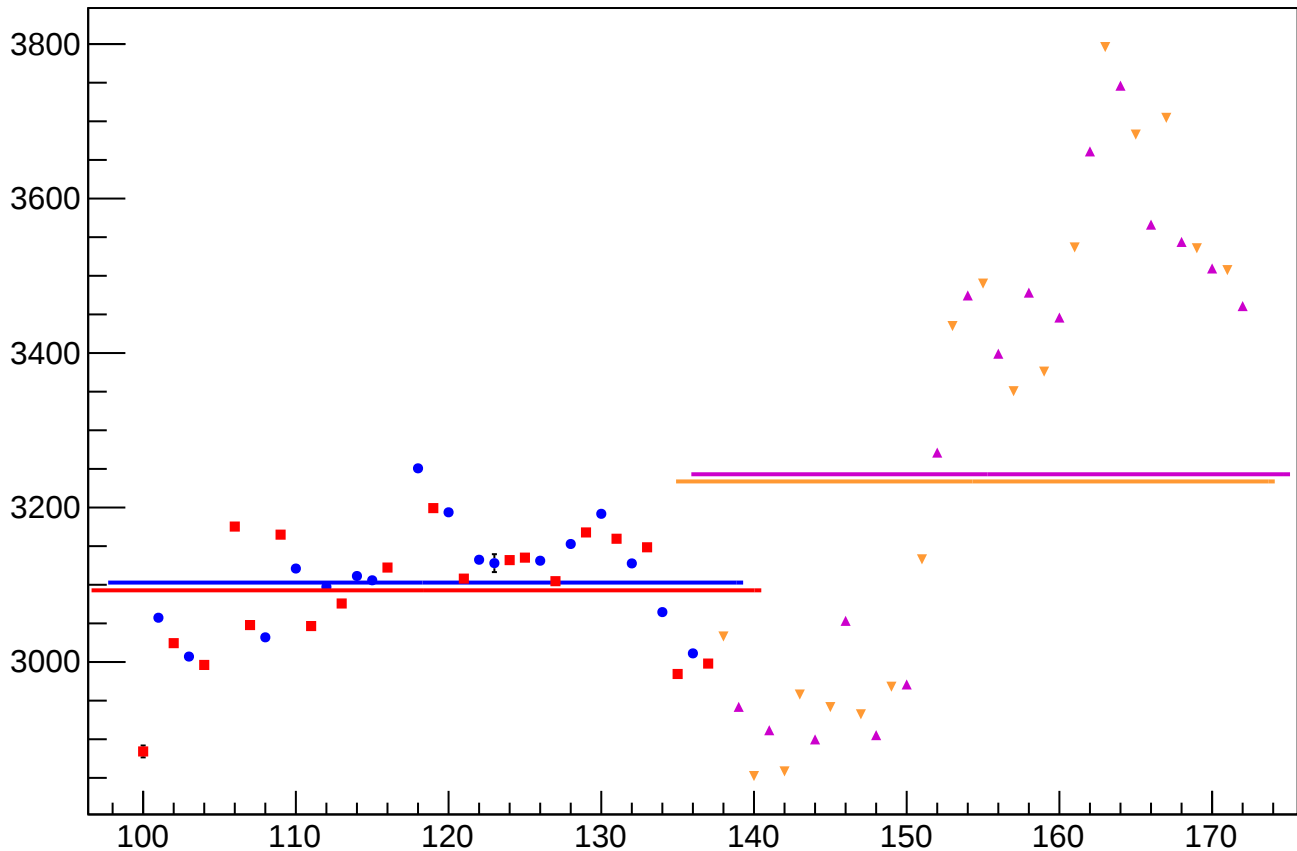
Left In: -8.010 ± 0.897 χ^2/NDF : 57.2/16

+ sign -13.949 ± 0.711 χ^2/NDF : 269.6/34

All: -10.999 ± 0.502 χ^2/NDF : 638.0/70

- sign -8.070 ± 0.709 χ^2/NDF : 334.1/35

diff_bpm0l01X_rms vs Slug



Right In: 3102.846 $\pm$ 0.845 χ^2 /NDF: 7344.9/16

Left Out: 3233.776 $\pm$ 0.626 χ^2 /NDF: 234878.8/17

Right Out: 3092.795 $\pm$ 0.818 χ^2 /NDF: 7763.4/18

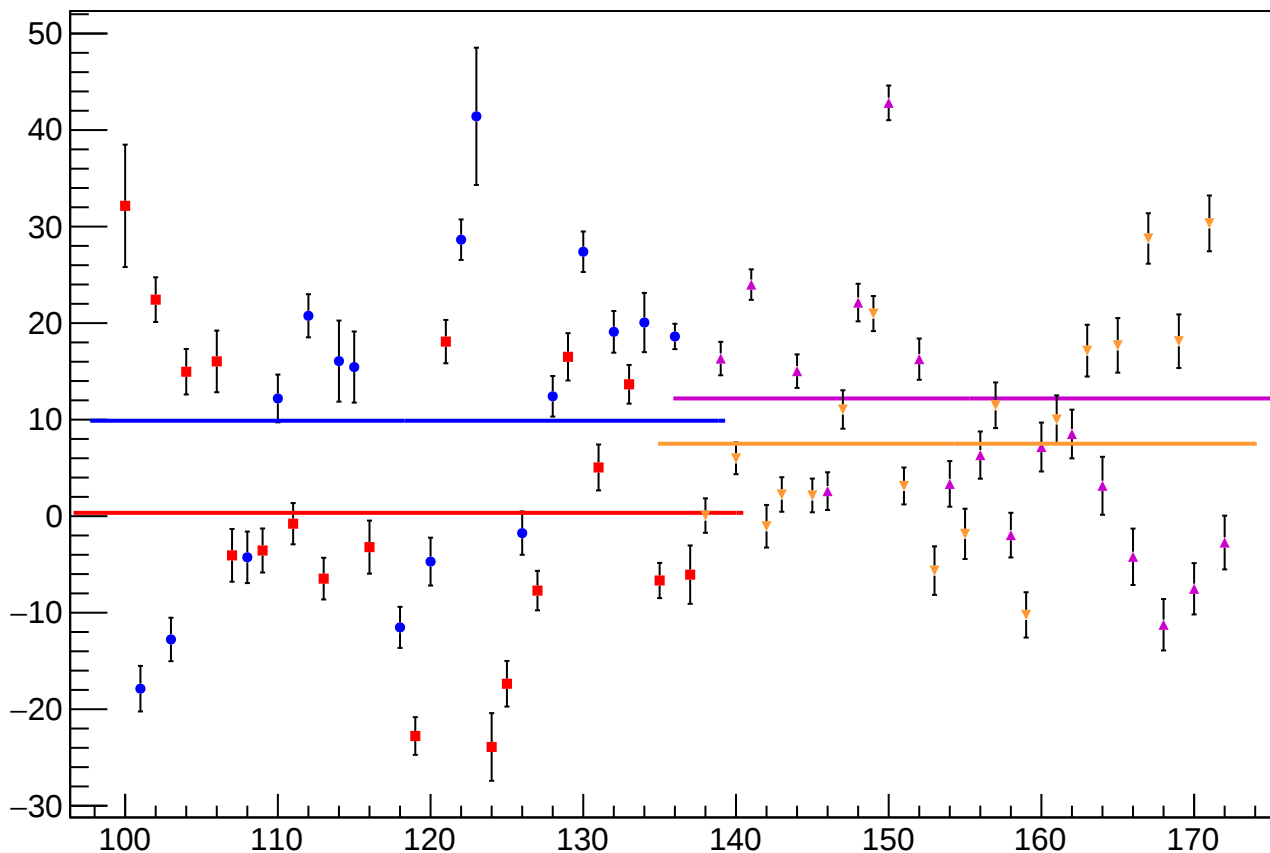
Left In: 3243.056 $\pm$ 0.634 χ^2 /NDF: 203874.6/16

+ sign 3187.405 $\pm$ 0.503 χ^2 /NDF: 257736.6/34

All: 3187.029 $\pm$ 0.355 χ^2 /NDF: 490464.6/70

- sign 3186.656 $\pm$ 0.501 χ^2 /NDF: 232726.9/35

diff_bpm0l01Y_mean vs Slug



Right In: 9.887 ± 0.559 χ^2/NDF : 703.6/16

Left Out: 7.506 ± 0.510 χ^2/NDF : 385.0/17

Right Out: 0.346 ± 0.547 χ^2/NDF : 628.9/18

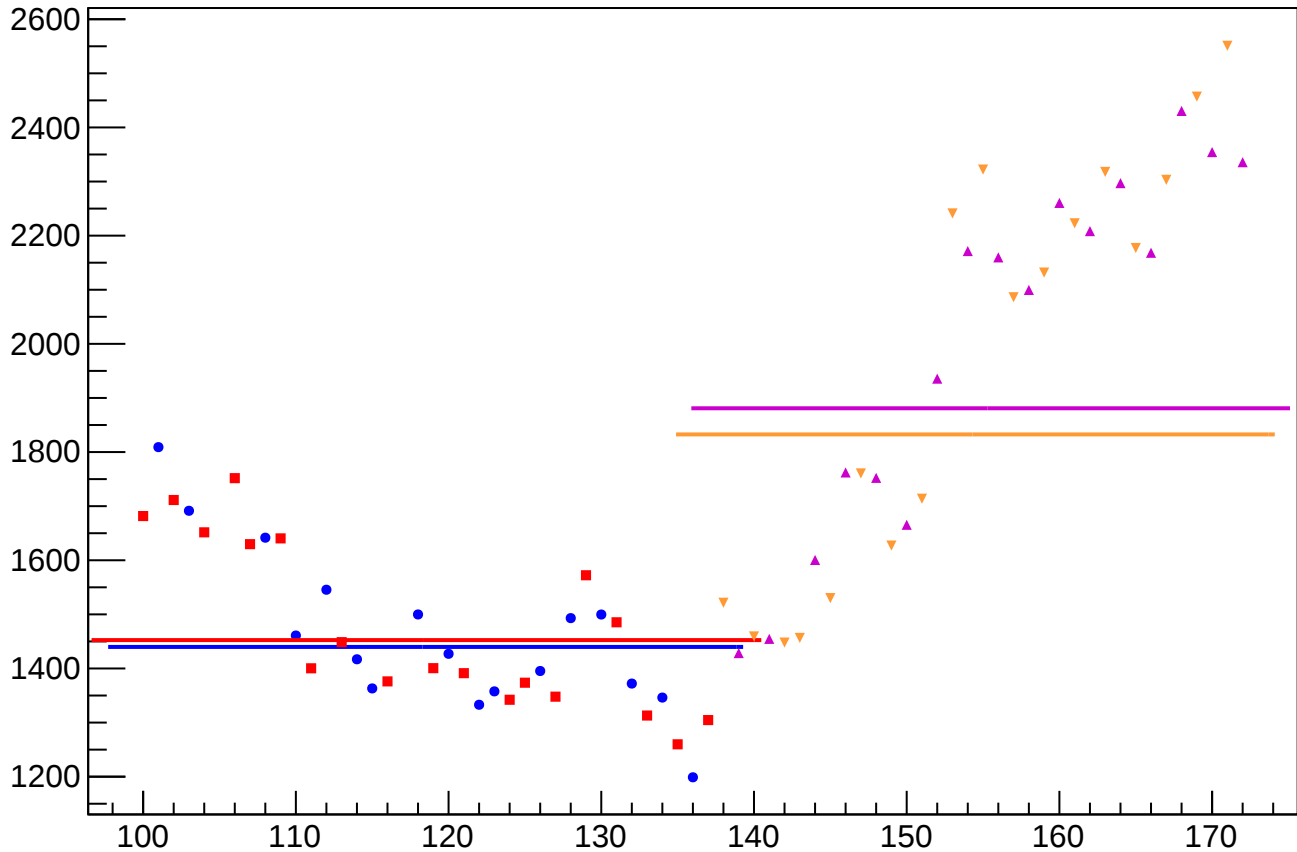
Left In: 12.195 ± 0.527 χ^2/NDF : 673.5/16

+ sign 8.586 ± 0.377 χ^2/NDF : 1098.5/34

All: 7.546 ± 0.267 χ^2/NDF : 2659.6/70

- sign 6.491 ± 0.379 χ^2/NDF : 1545.8/35

diff_bpm0l01Y_rms vs Slug



Right In: 1439.826+/-0.396 χ^2/NDF : 172823.5/16

Left Out: 1832.588+/-0.361 χ^2/NDF : 1022357.7/17

Right Out: 1452.452+/-0.387 χ^2/NDF : 138519.7/18

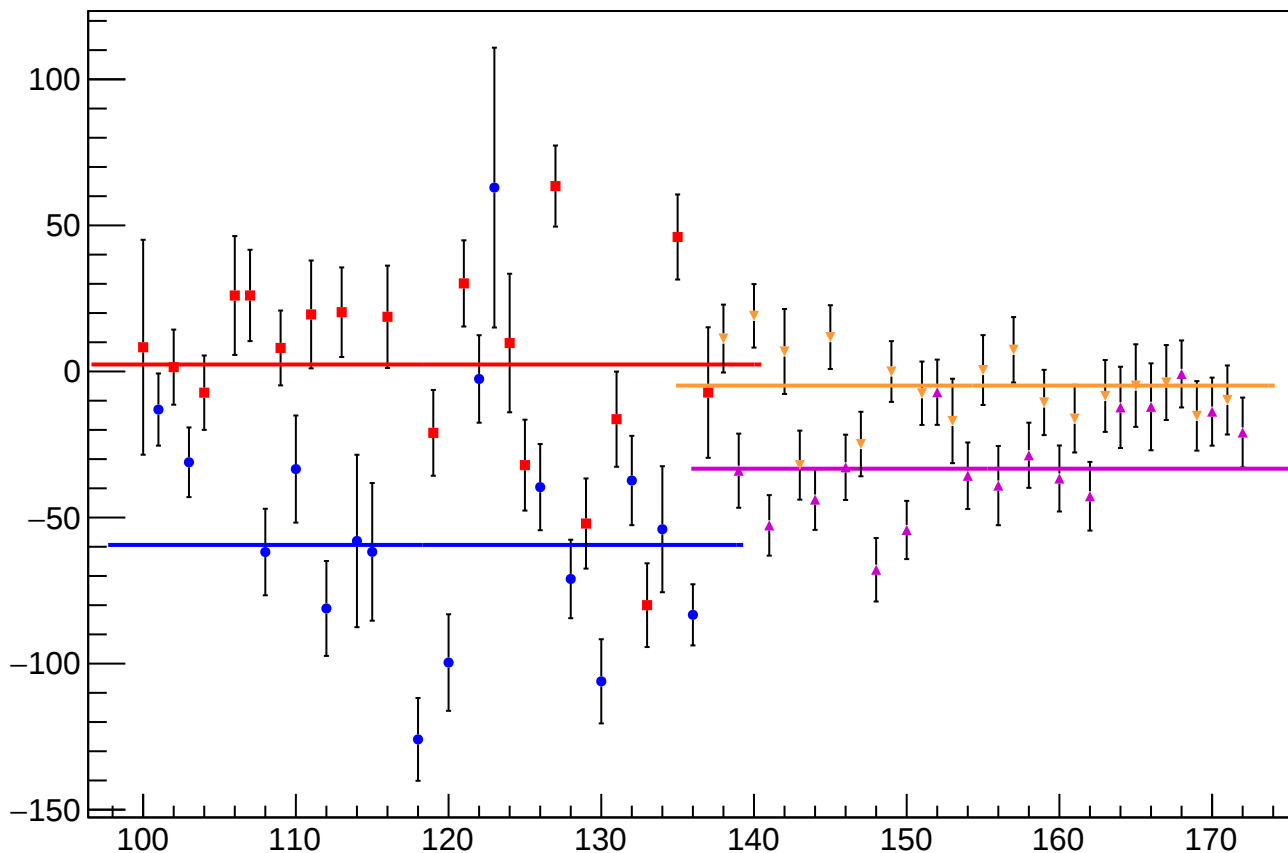
Left In: 1880.913+/-0.373 χ^2/NDF : 791503.4/16

+ sign 1654.404+/-0.266 χ^2/NDF : 1733666.3/34

All: 1664.449+/-0.189 χ^2/NDF : 3303148.9/70

- sign 1674.634+/-0.268 χ^2/NDF : 1566620.9/35

diff_bpm0l02X_mean vs Slug



Right In: -59.374 ± 3.729 χ^2/NDF : 92.9/16

Left Out: -4.833 ± 2.781 χ^2/NDF : 22.9/17

Right Out: 2.388 ± 3.630 χ^2/NDF : 93.9/18

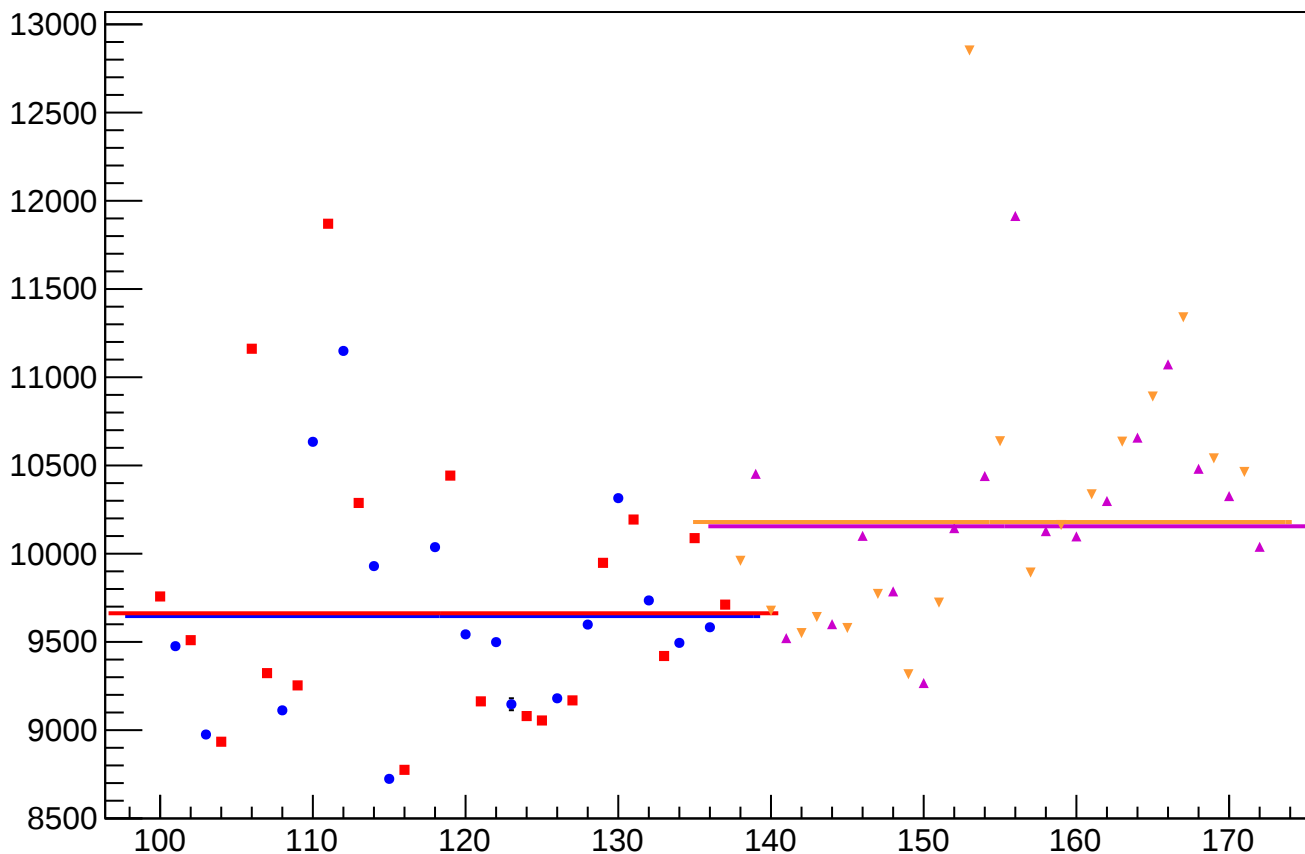
Left In: -33.283 ± 2.803 χ^2/NDF : 41.9/16

+ sign -24.331 ± 2.230 χ^2/NDF : 253.3/34

All: -22.135 ± 1.573 χ^2/NDF : 451.6/70

- sign -19.960 ± 2.218 χ^2/NDF : 196.4/35

diff_bpm0l02X_rms vs Slug



Right In: 9646.480 $\pm$ 2.637 χ^2 /NDF: 44060.3/16

Left Out: 10179.536 $\pm$ 1.967 χ^2 /NDF:139186.5/17

Right Out: 9662.363 $\pm$ 2.567 χ^2 /NDF: 77584.0/18

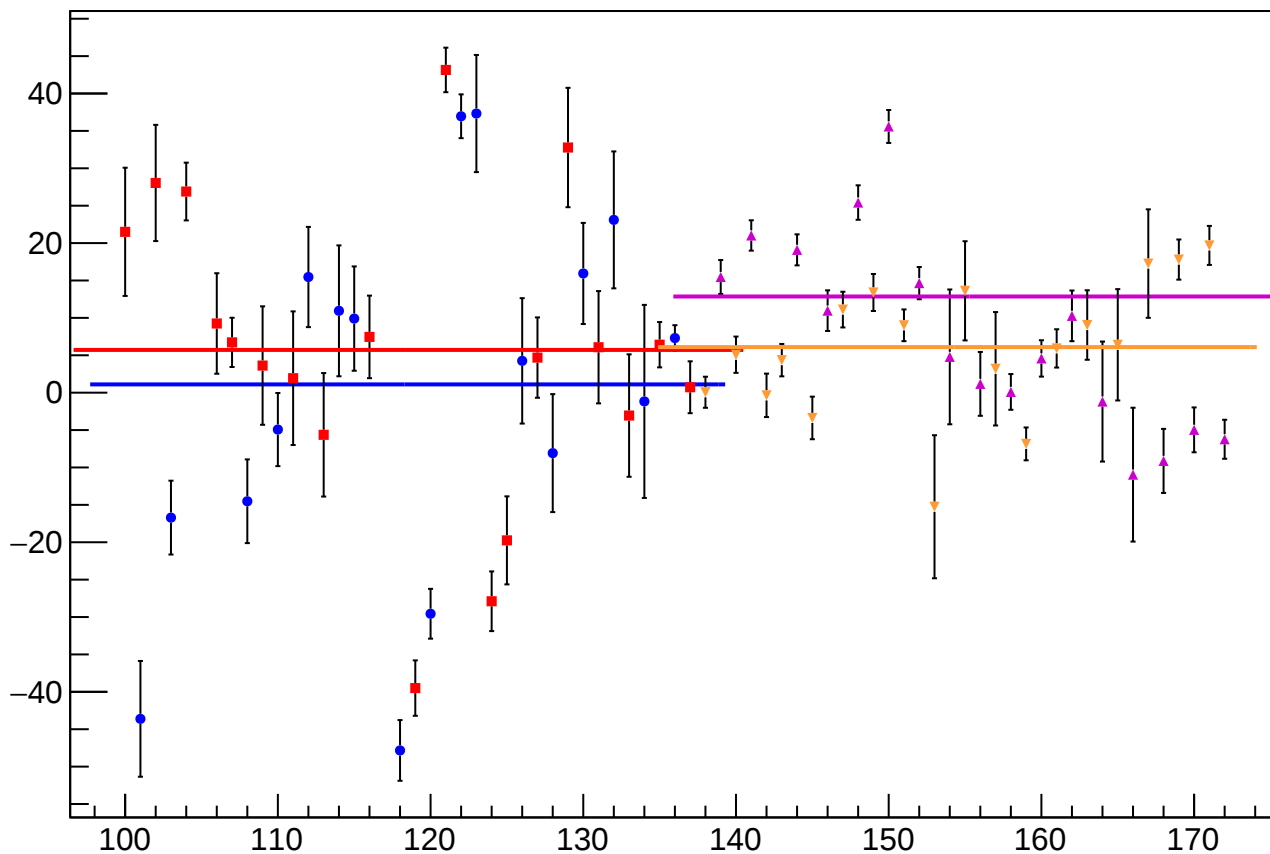
Left In: 10155.315 $\pm$ 1.982 χ^2 /NDF:80266.1/16

+ sign 9988.966 $\pm$ 1.577 χ^2 /NDF: 209507.3/34

All: 9980.034 $\pm$ 1.112 χ^2 /NDF: 390532.2/70

- sign 9971.192 $\pm$ 1.569 χ^2 /NDF: 180961.0/35

diff_bpm0l02Y_mean vs Slug



Right In: 1.106 ± 1.066 χ^2/NDF : 489.7/16

Left Out: 6.093 ± 0.674 χ^2/NDF : 130.4/17

Right Out: 5.716 ± 1.091 χ^2/NDF : 456.0/18

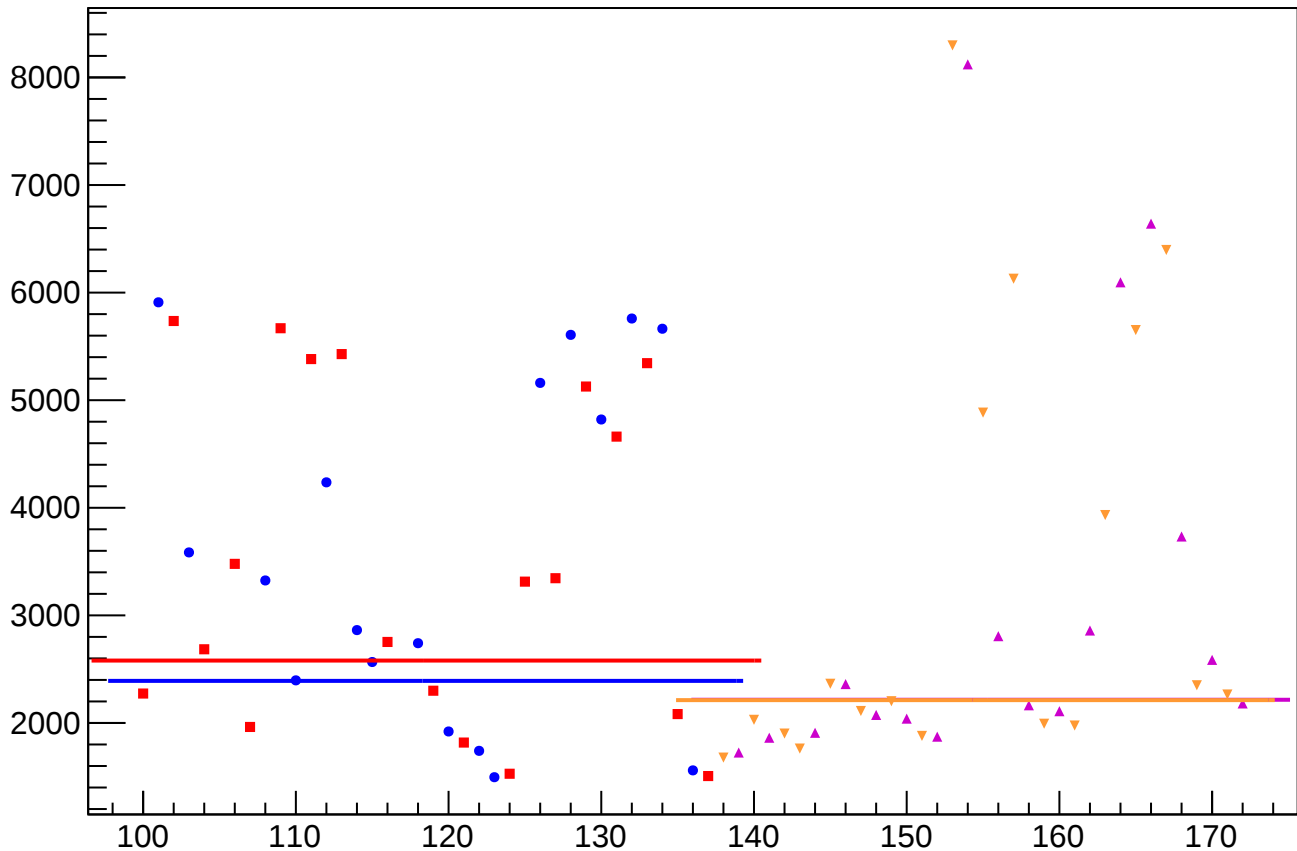
Left In: 12.859 ± 0.666 χ^2/NDF : 338.3/16

+ sign 4.668 ± 0.570 χ^2/NDF : 635.7/34

All: 7.802 ± 0.403 χ^2/NDF : 1521.5/70

- sign 10.919 ± 0.569 χ^2/NDF : 825.5/35

diff_bpm0l02Y_rms vs Slug



Right In: 2391.162 ± 0.754 χ^2/NDF : 2600547.2/16

Left Out: 2212.222 ± 0.477 χ^2/NDF : 3389708.2/17

Right Out: 2580.040 ± 0.772 χ^2/NDF : 2365271.4/18

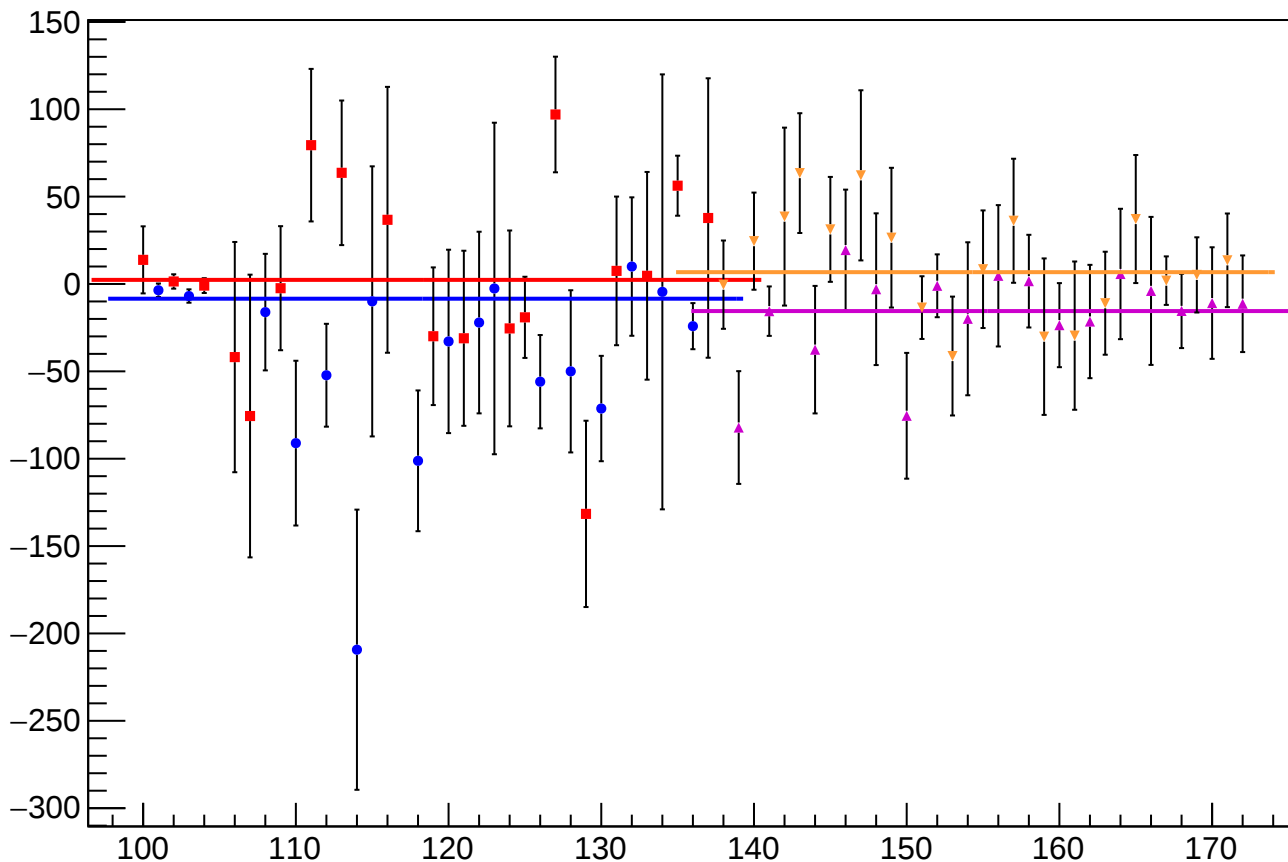
Left In: 2215.639 ± 0.471 χ^2/NDF : 2486905.6/16

+ sign 2263.347 ± 0.403 χ^2/NDF : 6030474.4/34

All: 2289.035 ± 0.285 χ^2/NDF : 11053251.3/7

- sign 2314.592 ± 0.402 χ^2/NDF : 5014674.6/35

diff_bpm0l03X_mean vs Slug



Right In: -8.430 ± 2.587 χ^2/NDF : 28.9/16

Left Out: 6.760 ± 6.510 χ^2/NDF : 12.4/17

Right Out: 2.348 ± 2.787 χ^2/NDF : 34.7/18

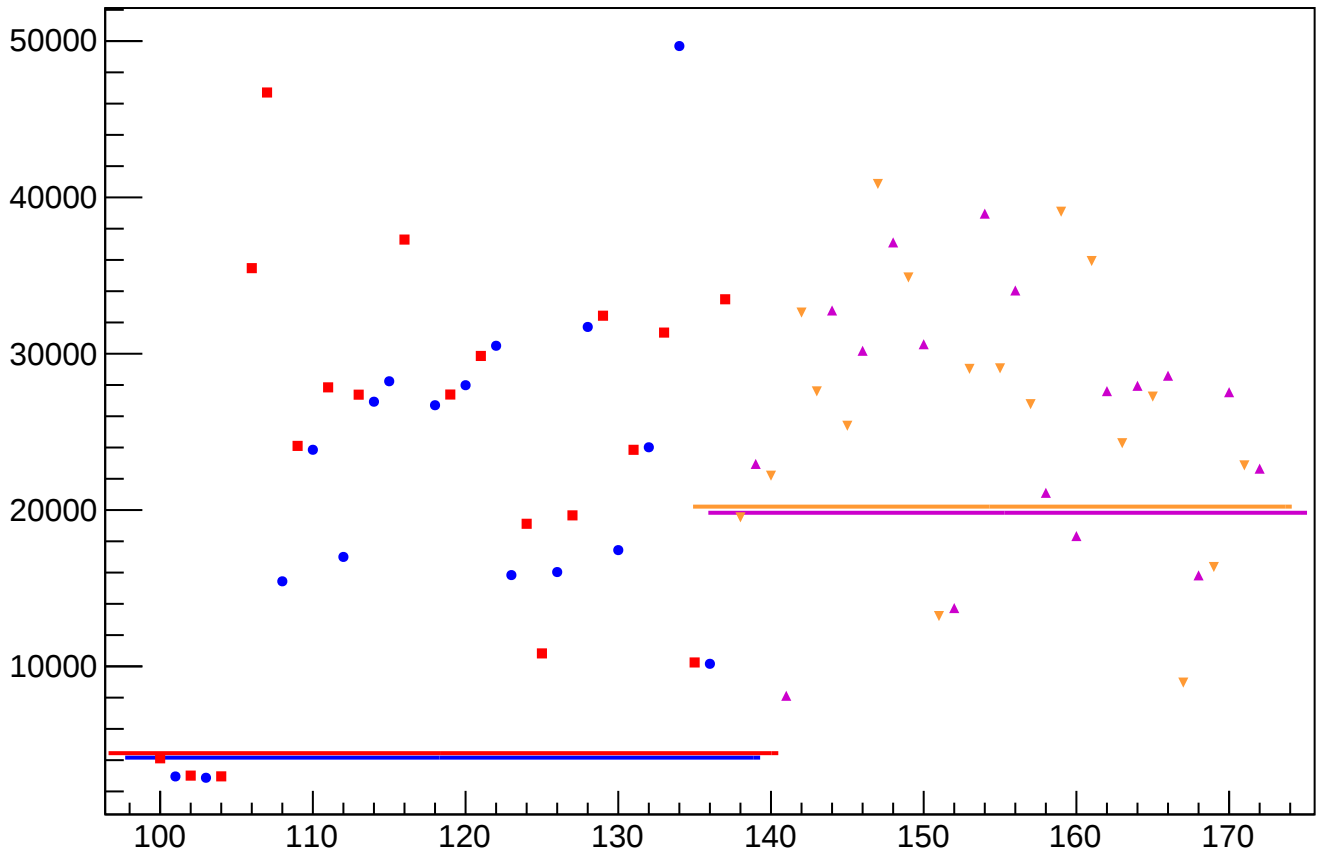
Left In: -15.503 ± 6.601 χ^2/NDF : 10.4/16

+ sign -6.358 ± 2.404 χ^2/NDF : 46.0/34

All: -3.552 ± 1.755 χ^2/NDF : 100.2/70

- sign -0.352 ± 2.567 χ^2/NDF : 51.3/35

diff_bpm0l03X_rms vs Slug



Right In: 4162.318+/-1.830 χ^2/NDF : 5990070.5/16

Left Out: 20219.079+/-4.603 χ^2/NDF : 3696083.5/17

Right Out: 4447.123+/-1.971 χ^2/NDF : 7426930.4/18

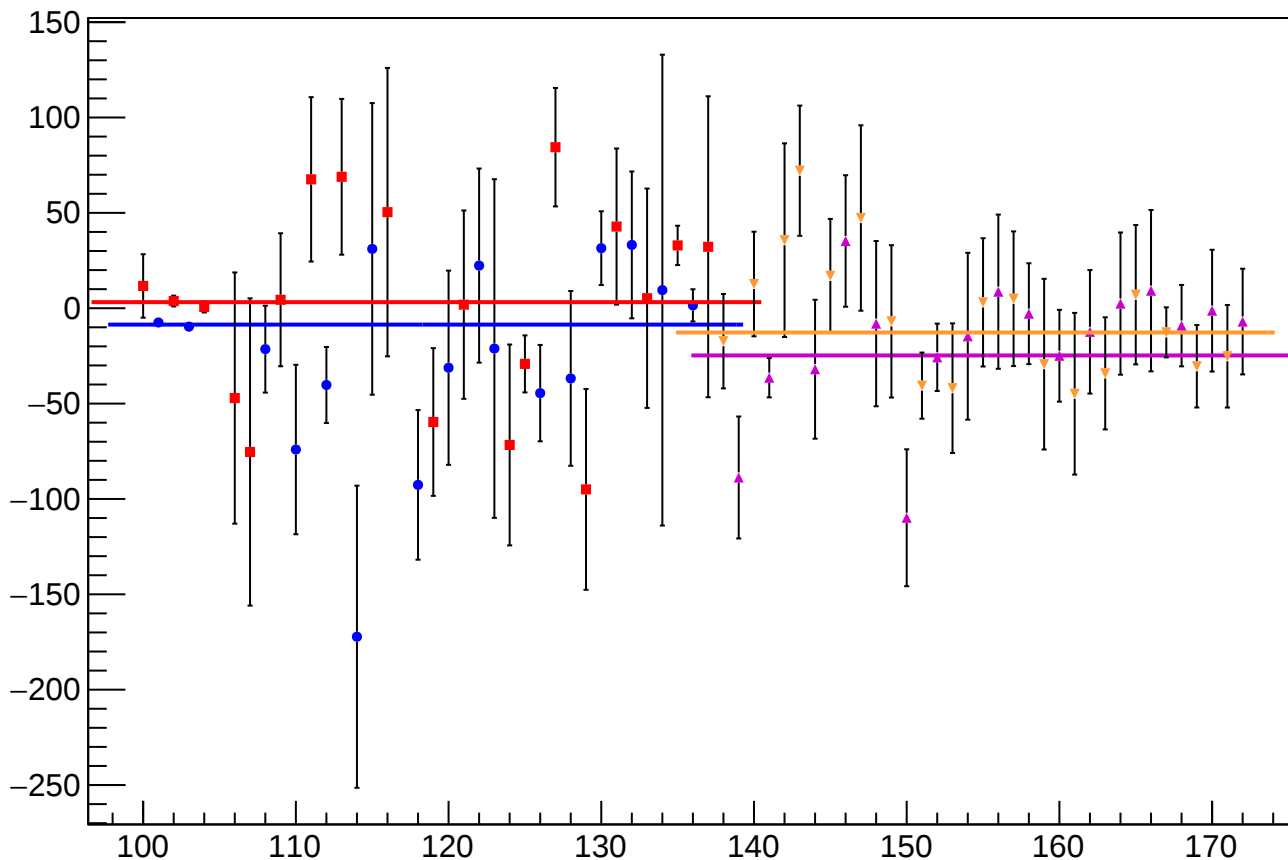
Left In: 19825.668+/-4.668 χ^2/NDF : 3691776.8/16

+ sign 6352.733+/-1.700 χ^2/NDF : 20193168.8/34

All: 6549.311+/-1.241 χ^2/NDF : 40553291.1/7

- sign 6773.434+/-1.815 χ^2/NDF : 20331513.5/35

diff_bpm0l03Y_mean vs Slug



Right In: -8.586 ± 1.778 χ^2/NDF : 24.4/16

Left Out: -12.734 ± 6.381 χ^2/NDF : 16.7/17

Right Out: 3.194 ± 1.922 χ^2/NDF : 36.9/18

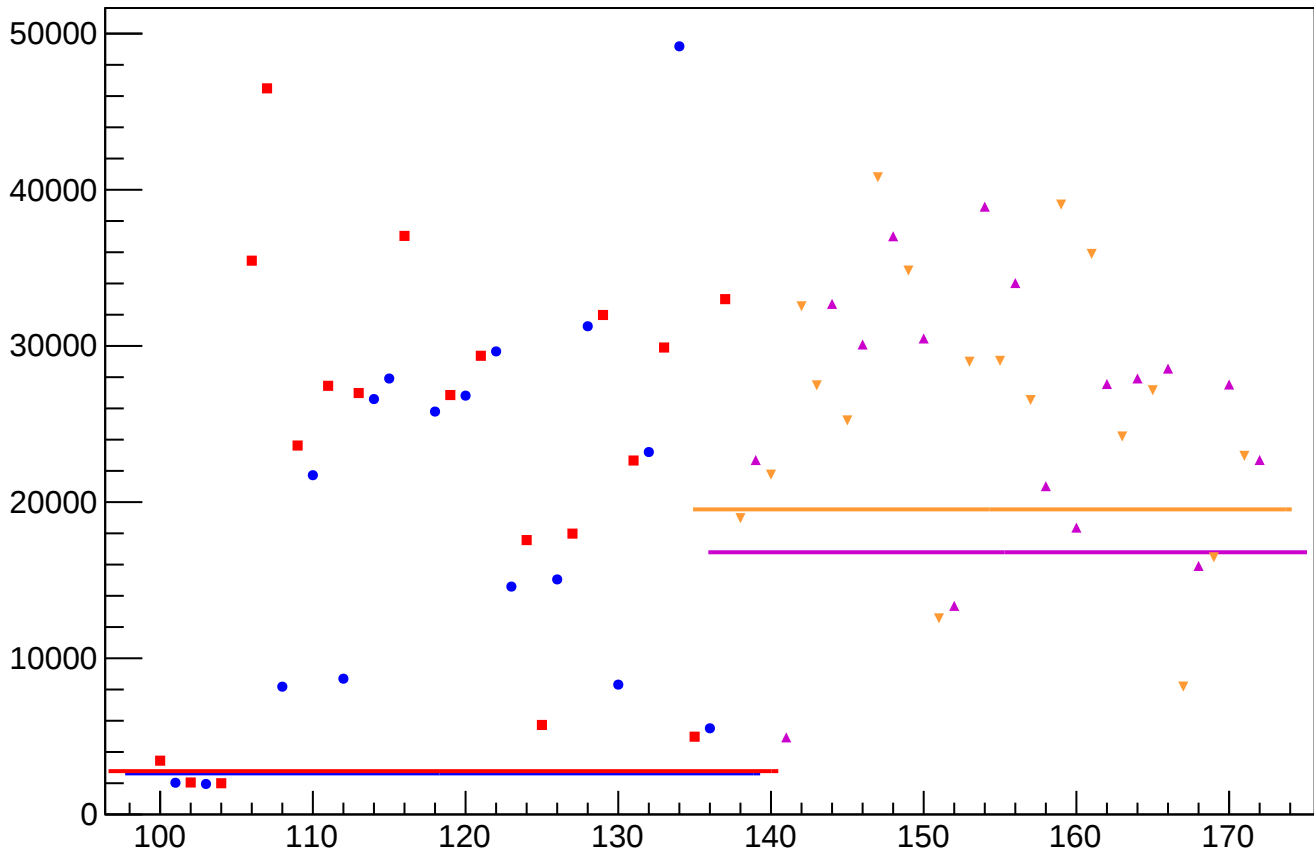
Left In: -24.756 ± 6.031 χ^2/NDF : 18.4/16

+ sign -8.885 ± 1.713 χ^2/NDF : 41.5/34

All: -4.453 ± 1.251 χ^2/NDF : 130.6/70

- sign 0.616 ± 1.831 χ^2/NDF : 74.7/35

diff_bpm0l03Y_rms vs Slug



Right In: 2630.547 $\pm$ 1.257 χ^2 /NDF: 5588981.6/16

Left Out: 19535.009 $\pm$ 4.512 χ^2 /NDF: 4106508.4/17

Right Out: 2773.446 $\pm$ 1.359 χ^2 /NDF: 7835878.7/18

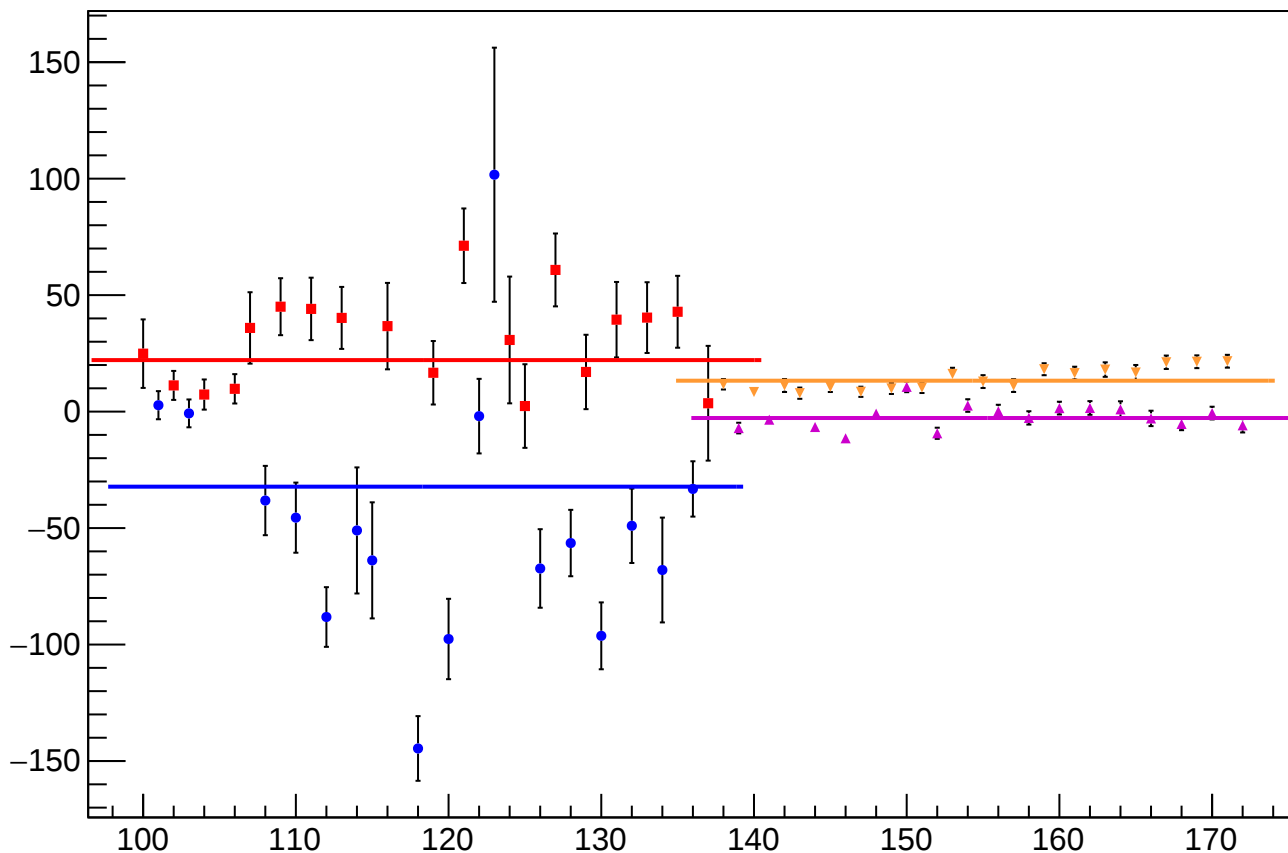
Left In: 16788.226 $\pm$ 4.264 χ^2 /NDF: 6003687.8/16

+ sign 3848.247 $\pm$ 1.211 χ^2 /NDF: 22722025.7/34

All: 3949.837 $\pm$ 0.884 χ^2 /NDF: 46381960.1/7

- sign 4066.027 $\pm$ 1.295 χ^2 /NDF: 23644846.7/35

diff_bpm0l04X_mean vs Slug



Right In: -32.222 ± 2.981 χ^2/NDF : 203.7/16

Left Out: 13.268 ± 0.602 χ^2/NDF : 56.6/17

Right Out: 22.111 ± 2.669 χ^2/NDF : 43.7/18

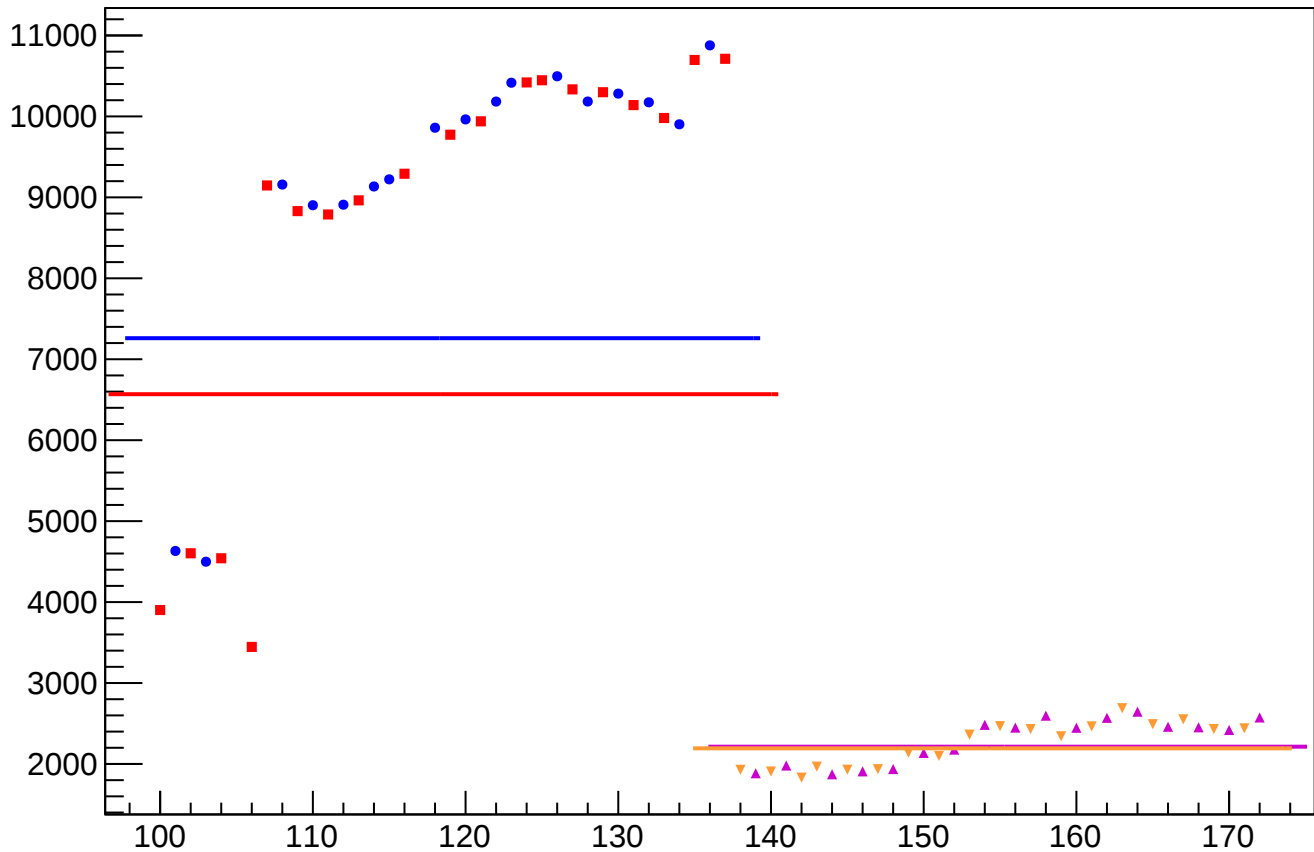
Left In: -2.750 ± 0.615 χ^2/NDF : 79.8/16

+ sign 11.487 ± 0.590 χ^2/NDF : 484.0/34

All: 5.093 ± 0.420 χ^2/NDF : 928.3/70

- sign -1.498 ± 0.599 χ^2/NDF : 205.8/35

diff_bpm0l04X_rms vs Slug



Right In: 7260.081 $\pm$ 2.108 χ^2 /NDF: 1636373.2/16

Left Out: 2193.322 $\pm$ 0.426 χ^2 /NDF: 374044.4/17

Right Out: 6568.180 $\pm$ 1.887 χ^2 /NDF: 2196546.0/18

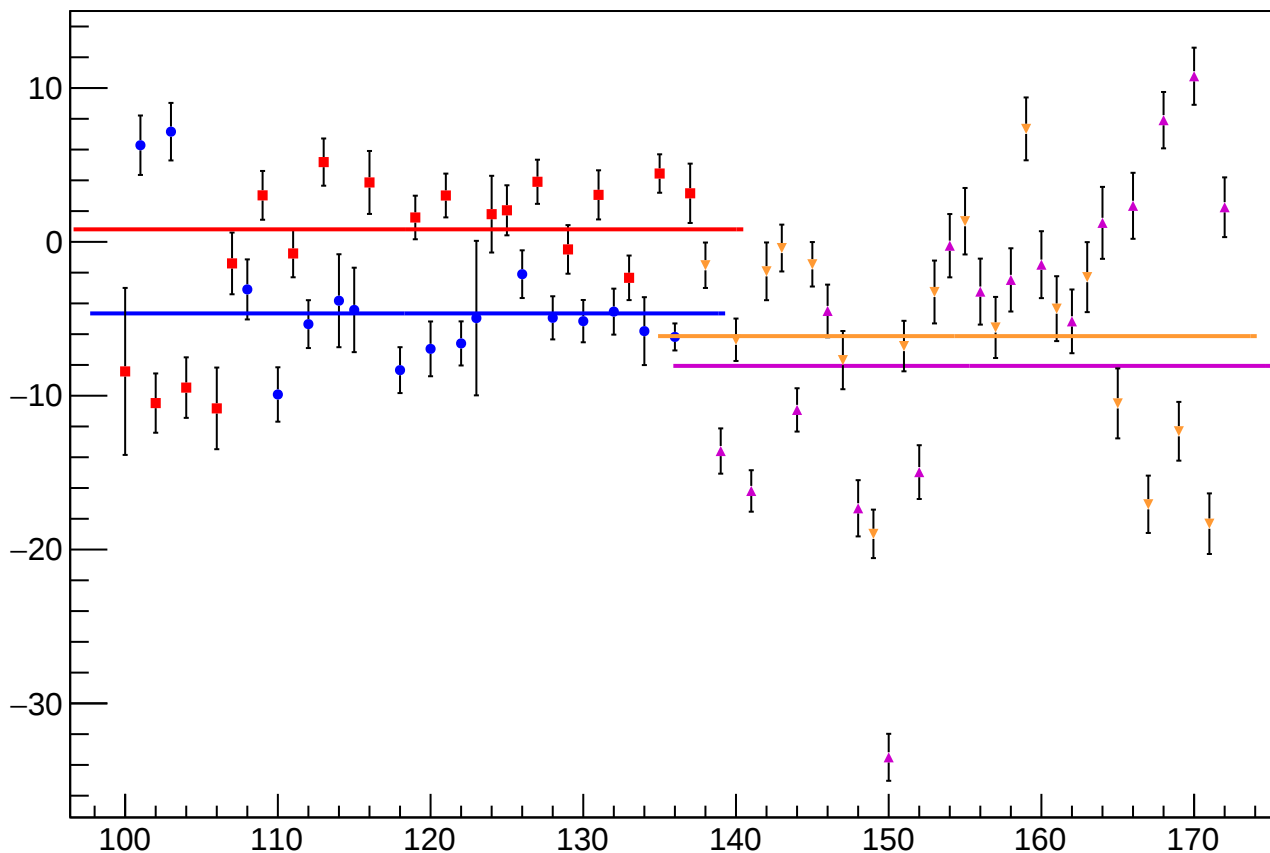
Left In: 2213.527 $\pm$ 0.435 χ^2 /NDF: 410247.6/16

+ sign 2391.724 $\pm$ 0.417 χ^2 /NDF: 7560540.5/34

All: 2411.964 $\pm$ 0.297 χ^2 /NDF: 15226860.4/7

- sign 2432.829 $\pm$ 0.424 χ^2 /NDF: 7661539.6/35

diff_bpm0l04Y_mean vs Slug



Right In: -4.651 ± 0.393 χ^2/NDF : 97.6/16

Left Out: -6.126 ± 0.422 χ^2/NDF : 254.8/17

Right Out: 0.814 ± 0.388 χ^2/NDF : 123.7/18

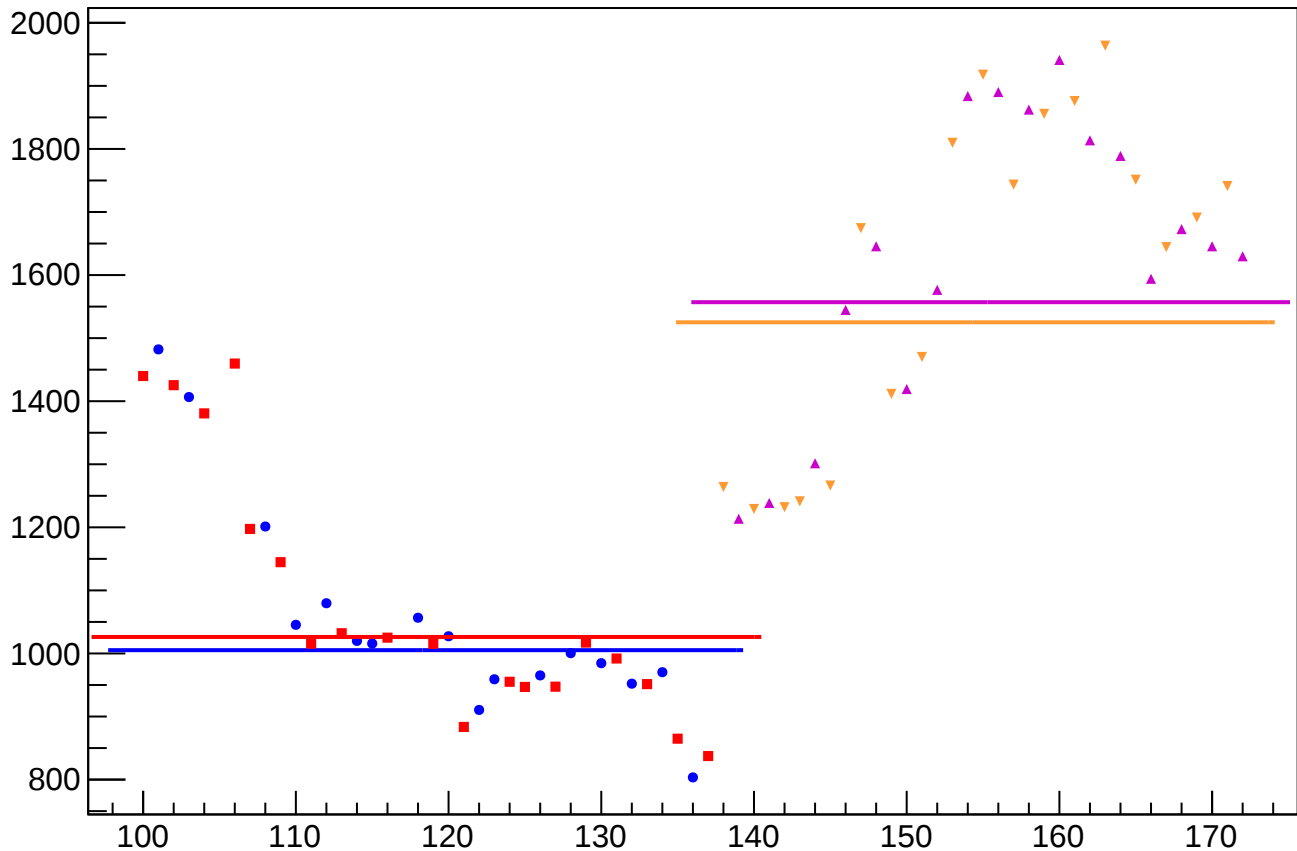
Left In: -8.061 ± 0.434 χ^2/NDF : 662.1/16

+ sign -5.335 ± 0.288 χ^2/NDF : 358.9/34

All: -4.241 ± 0.204 χ^2/NDF : 1405.9/70

- sign -3.130 ± 0.290 χ^2/NDF : 1017.8/35

diff_bpm0l04Y_rms vs Slug



Right In: 1005.227 $\pm$ 0.278 χ^2 /NDF: 361954.2/16

Left Out: 1525.123 $\pm$ 0.299 χ^2 /NDF: 740588.5/17

Right Out: 1026.158 $\pm$ 0.275 χ^2 /NDF: 333119.0/18

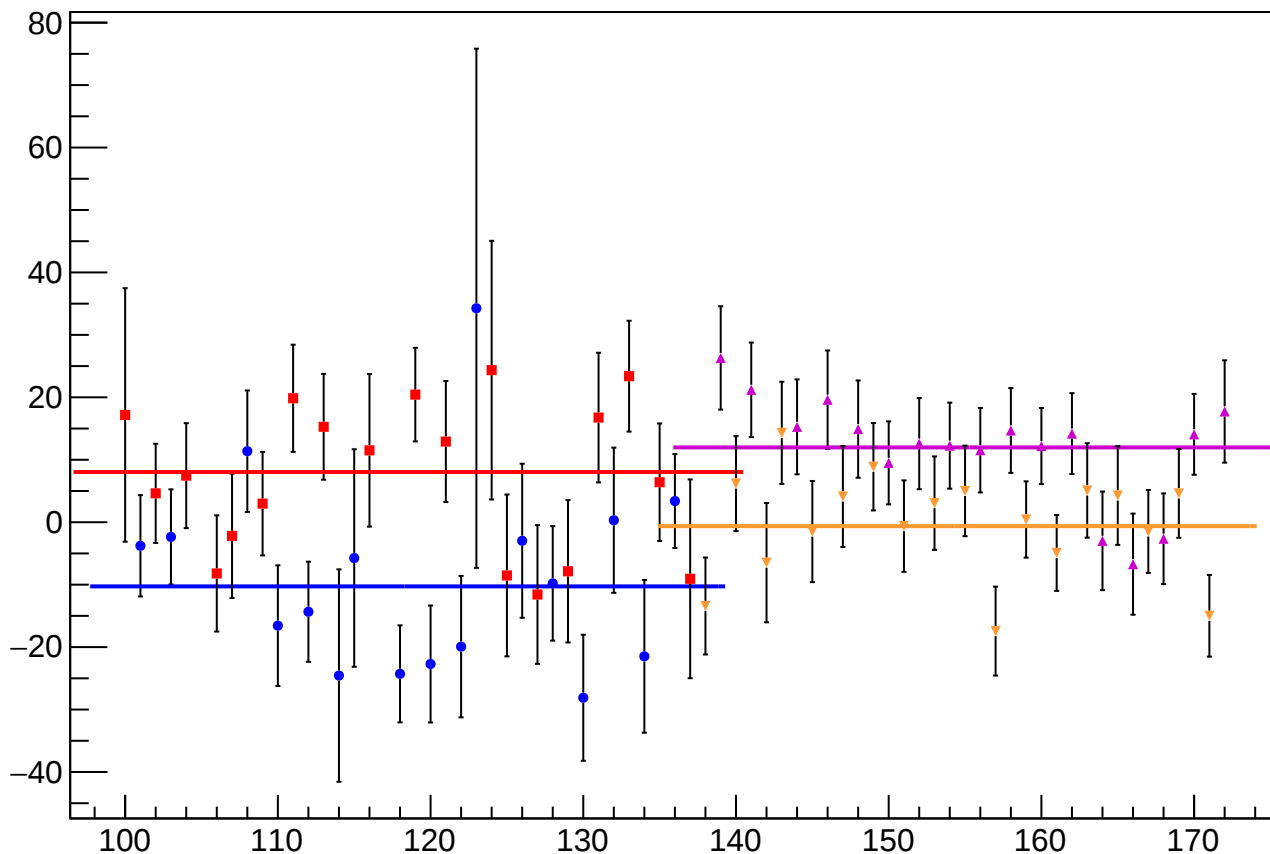
Left In: 1557.006 $\pm$ 0.307 χ^2 /NDF: 579139.1/16

+ sign 1246.350 $\pm$ 0.203 χ^2 /NDF: 2728939.0/34

All: 1254.168 $\pm$ 0.144 χ^2 /NDF: 5303833.5/70

- sign 1262.097 $\pm$ 0.205 χ^2 /NDF: 2571915.9/35

diff_bpm0l05X_mean vs Slug



Right In: -10.277 ± 2.408 χ^2/NDF : 23.5/16

Left Out: -0.629 ± 1.717 χ^2/NDF : 22.7/17

Right Out: 8.041 ± 2.278 χ^2/NDF : 22.8/18

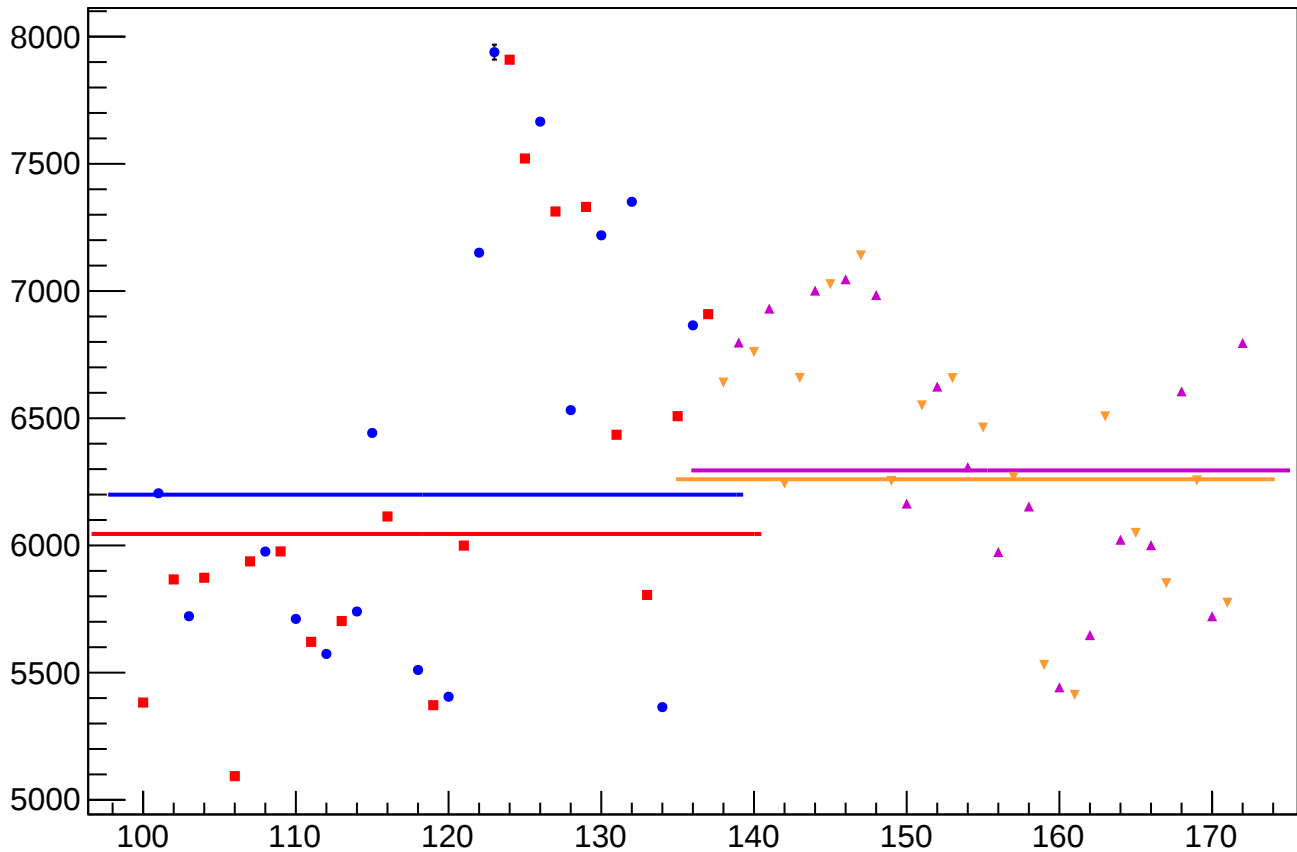
Left In: 11.979 ± 1.747 χ^2/NDF : 19.8/16

+ sign -3.881 ± 1.398 χ^2/NDF : 56.8/34

All: 3.381 ± 0.984 χ^2/NDF : 154.8/70

- sign 10.522 ± 1.386 χ^2/NDF : 44.4/35

diff_bpm0l05X_rms vs Slug



Right In: 6199.617 $\pm$ 1.703 χ^2 /NDF: 171760.4/16

Left Out: 6260.163 $\pm$ 1.214 χ^2 /NDF: 159805.3/17

Right Out: 6045.172 $\pm$ 1.611 χ^2 /NDF: 158323.0/18

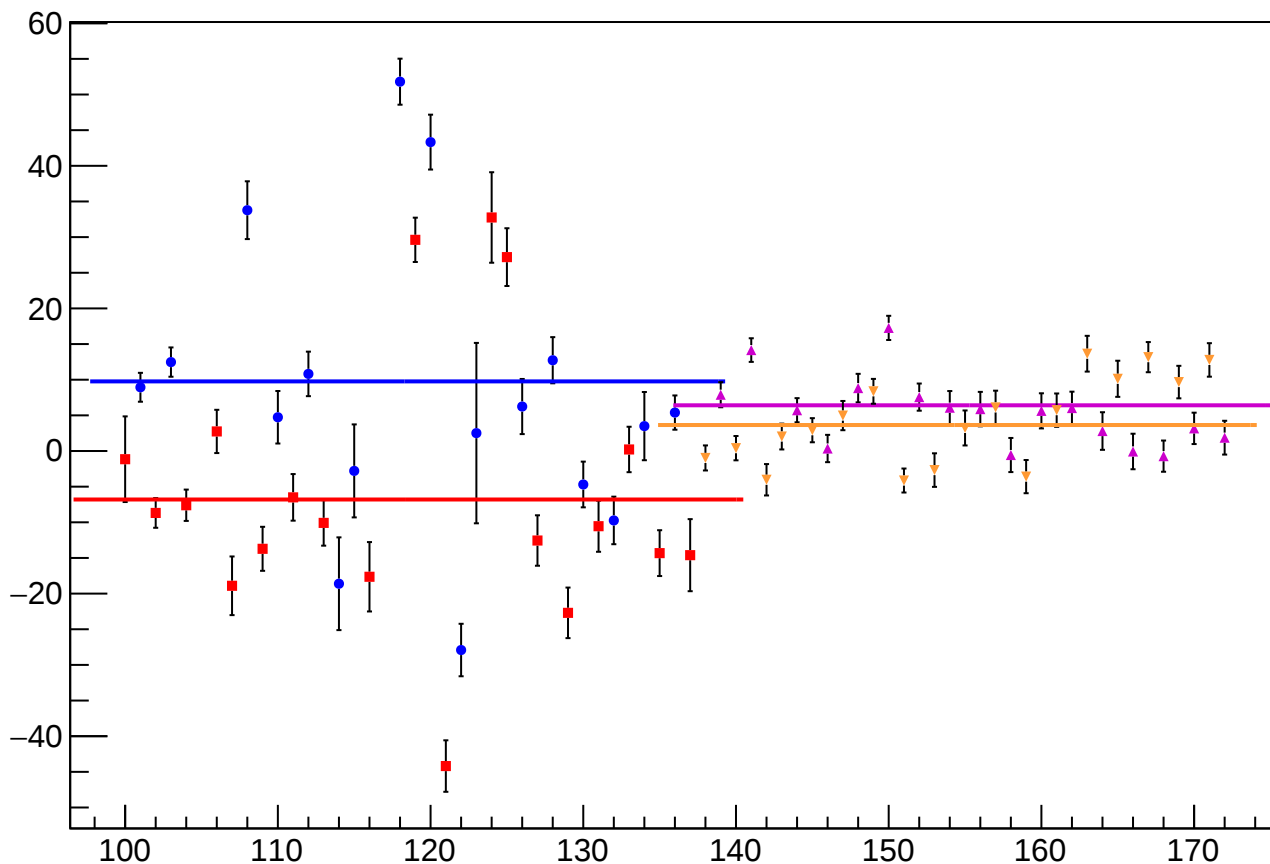
Left In: 6294.920 $\pm$ 1.235 χ^2 /NDF: 173841.9/16

+ sign 6239.757 $\pm$ 0.988 χ^2 /NDF: 332404.1/34

All: 6220.958 $\pm$ 0.696 χ^2 /NDF: 680421.7/70

- sign 6202.471 $\pm$ 0.980 χ^2 /NDF: 347300.2/35

diff_bpm0l05Y_mean vs Slug



Right In: 9.764 ± 0.797 $\chi^2/\text{NDF}: 473.8/16$

Left Out: 3.645 ± 0.485 $\chi^2/\text{NDF}: 136.4/17$

Right Out: -6.801 ± 0.765 $\chi^2/\text{NDF}: 421.8/18$

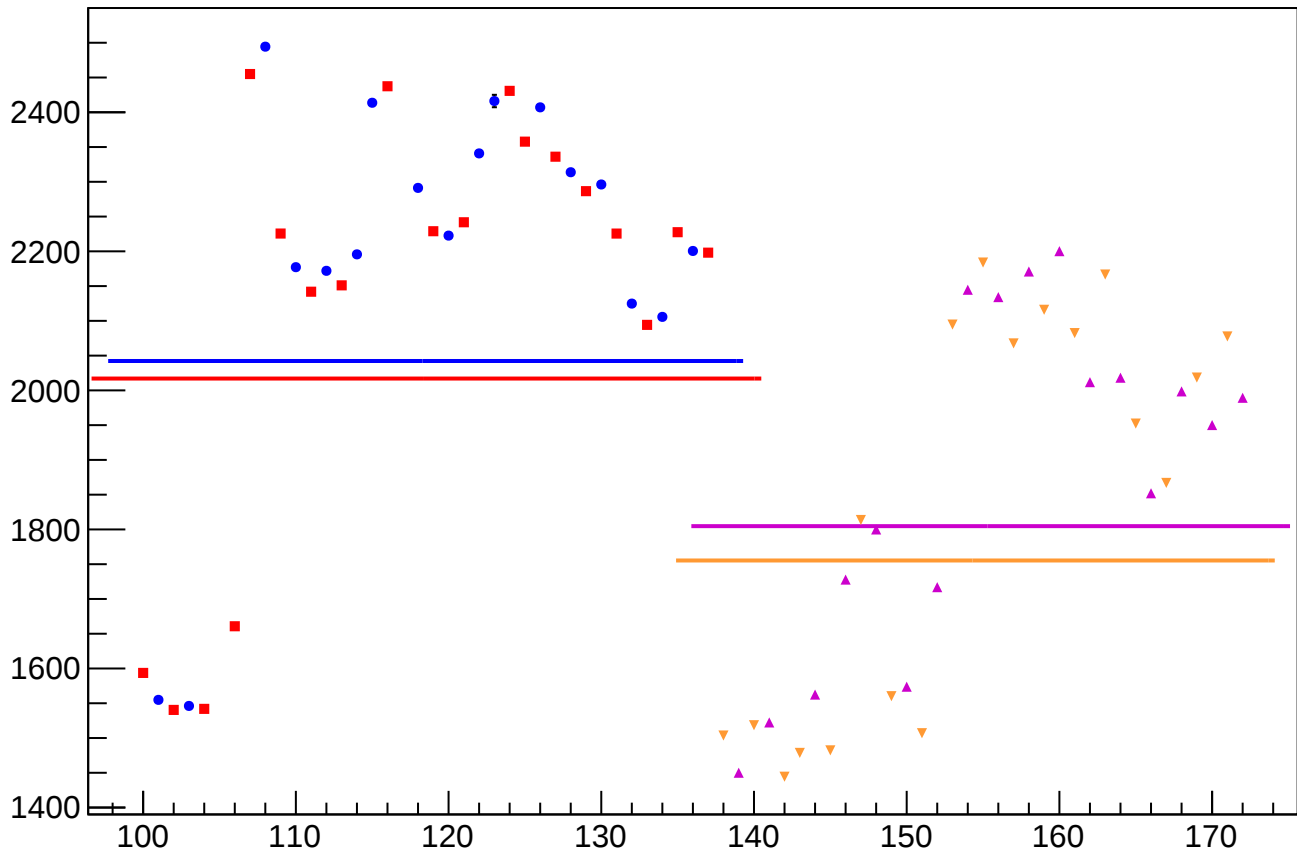
Left In: 6.411 ± 0.502 $\chi^2/\text{NDF}: 109.3/16$

+ sign 5.298 ± 0.414 $\chi^2/\text{NDF}: 653.3/34$

All: 3.883 ± 0.295 $\chi^2/\text{NDF}: 1416.6/70$

- sign 2.429 ± 0.420 $\chi^2/\text{NDF}: 739.6/35$

diff_bpm0l05Y_rms vs Slug



Right In: 2042.269+/-0.563 χ^2/NDF : 356820.1/16

Left Out: 1755.342+/-0.343 χ^2/NDF : 649465.2/17

Right Out: 2017.026+/-0.541 χ^2/NDF : 375630.3/18

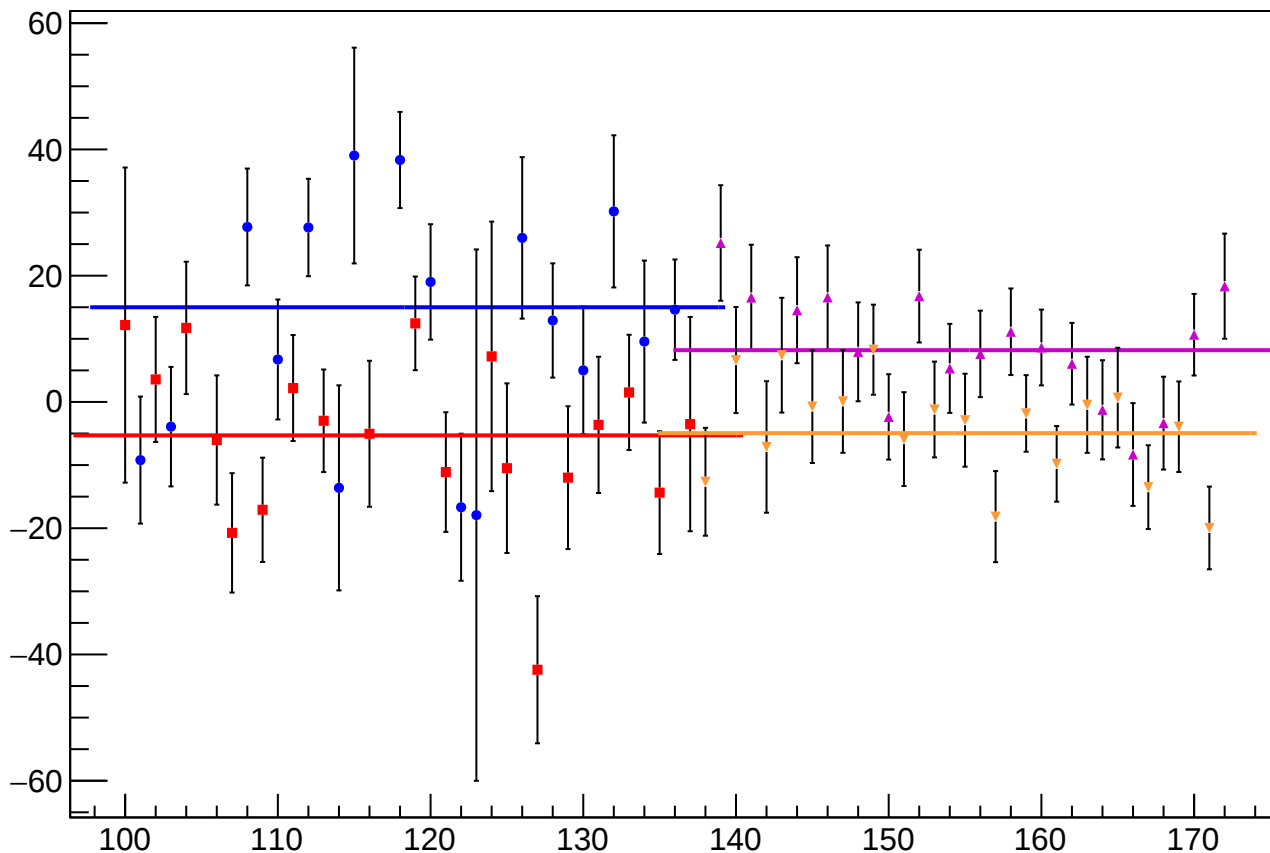
Left In: 1804.730+/-0.355 χ^2/NDF : 469415.4/16

+ sign 1832.833+/-0.293 χ^2/NDF : 1195565.4/34

All: 1850.526+/-0.208 χ^2/NDF : 2155686.4/70

- sign 1868.712+/-0.297 χ^2/NDF : 952717.3/35

diff_bpm0l06X_mean vs Slug



Right In: 14.997 ± 2.485 χ^2/NDF : 41.3/16

Left Out: -4.942 ± 1.758 χ^2/NDF : 21.1/17

Right Out: -5.291 ± 2.357 χ^2/NDF : 28.1/18

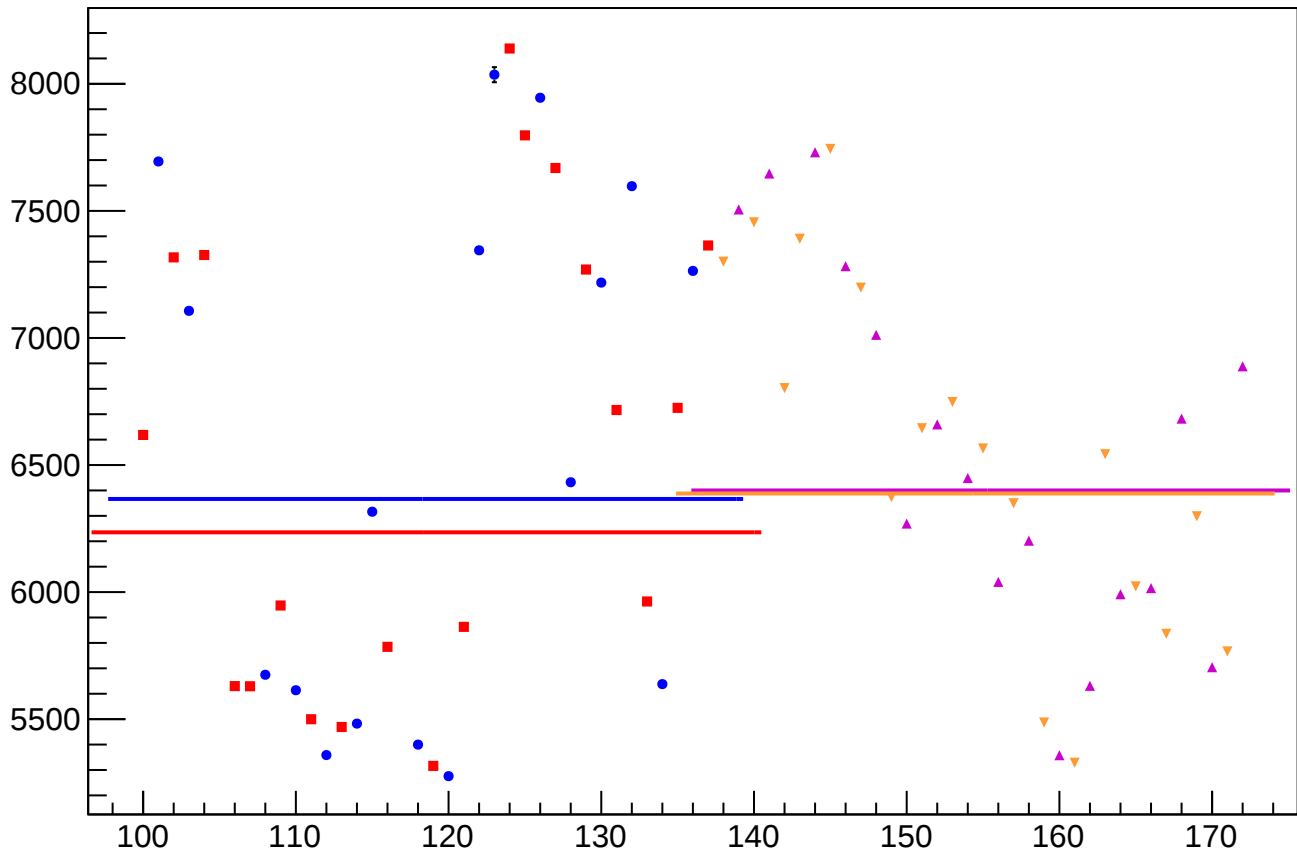
Left In: 8.200 ± 1.783 χ^2/NDF : 20.0/16

+ sign 1.709 ± 1.435 χ^2/NDF : 105.3/34

All: 2.507 ± 1.010 χ^2/NDF : 174.8/70

- sign 3.290 ± 1.422 χ^2/NDF : 68.9/35

diff_bpm0l06X_rms vs Slug



Right In: 6366.491+/-1.757 χ^2/NDF : 286494.5/16

Left Out: 6387.875+/-1.243 χ^2/NDF : 300586.4/17

Right Out: 6235.179+/-1.667 χ^2/NDF : 243204.0/18

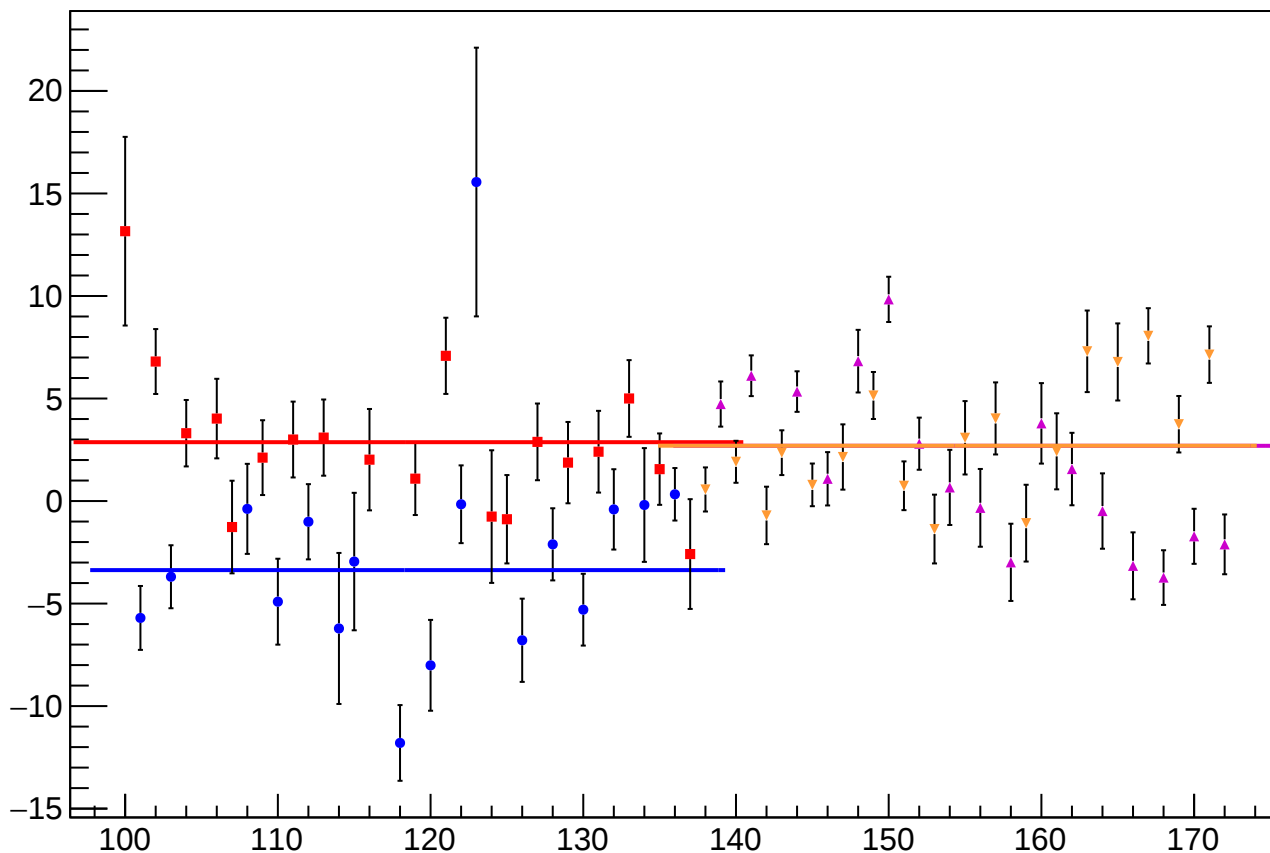
Left In: 6399.942+/-1.261 χ^2/NDF : 301256.6/16

+ sign 6380.742+/-1.015 χ^2/NDF : 587179.6/34

All: 6360.172+/-0.714 χ^2/NDF : 1138668.5/70

- sign 6339.983+/-1.006 χ^2/NDF : 550675.1/35

diff_bpm0l06Y_mean vs Slug



Right In: -3.368 ± 0.476 χ^2/NDF : 59.9/16

Left Out: 2.699 ± 0.322 χ^2/NDF : 68.7/17

Right Out: 2.871 ± 0.456 χ^2/NDF : 32.0/18

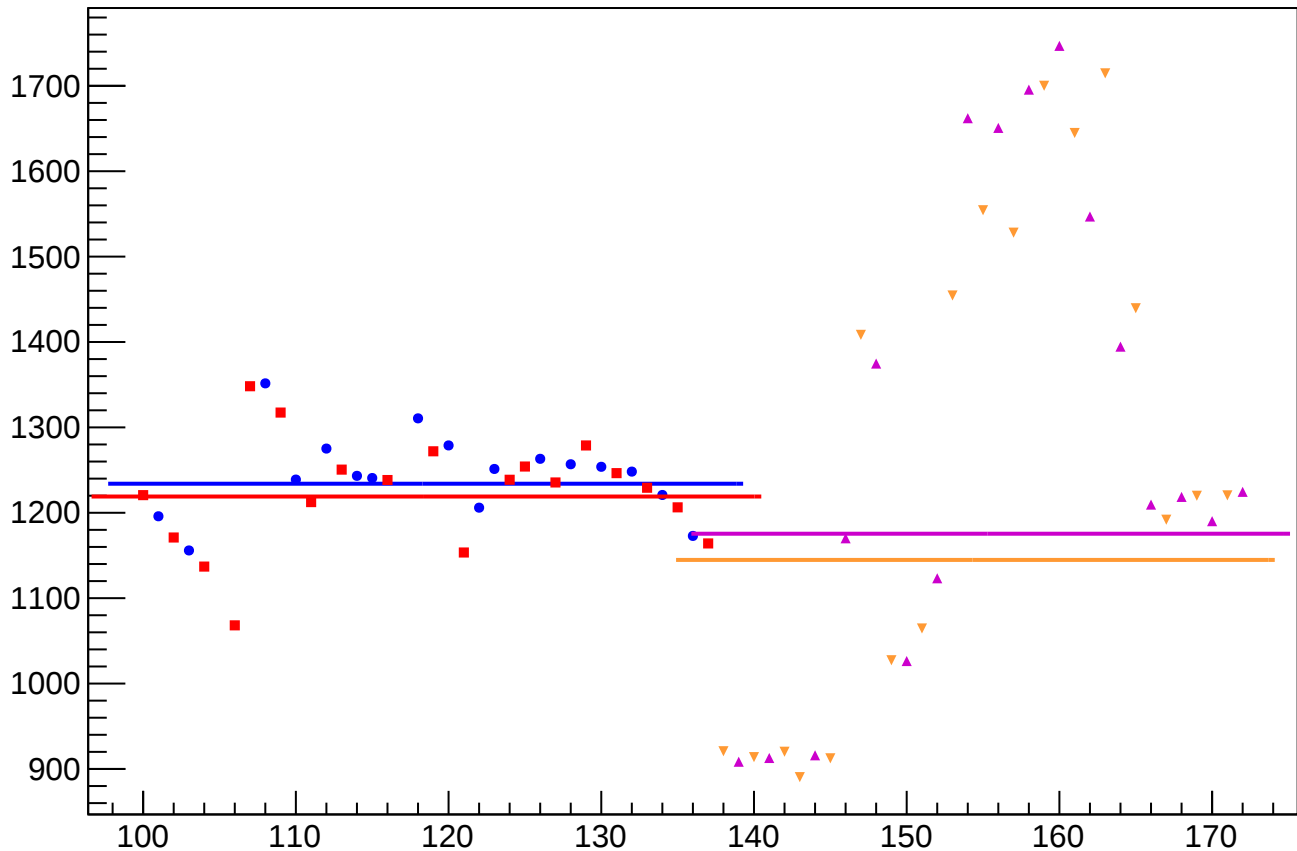
Left In: 2.694 ± 0.333 χ^2/NDF : 147.5/16

+ sign 0.793 ± 0.266 χ^2/NDF : 240.2/34

All: 1.765 ± 0.189 χ^2/NDF : 446.7/70

- sign 2.755 ± 0.269 χ^2/NDF : 179.6/35

diff_bpm0l06Y_rms vs Slug



Right In: 1234.032 $\pm$ 0.336 χ^2 /NDF: 23565.3/16

Left Out: 1144.798 $\pm$ 0.228 χ^2 /NDF:1350039.6/17

Right Out: 1219.041 $\pm$ 0.323 χ^2 /NDF: 40370.4/18

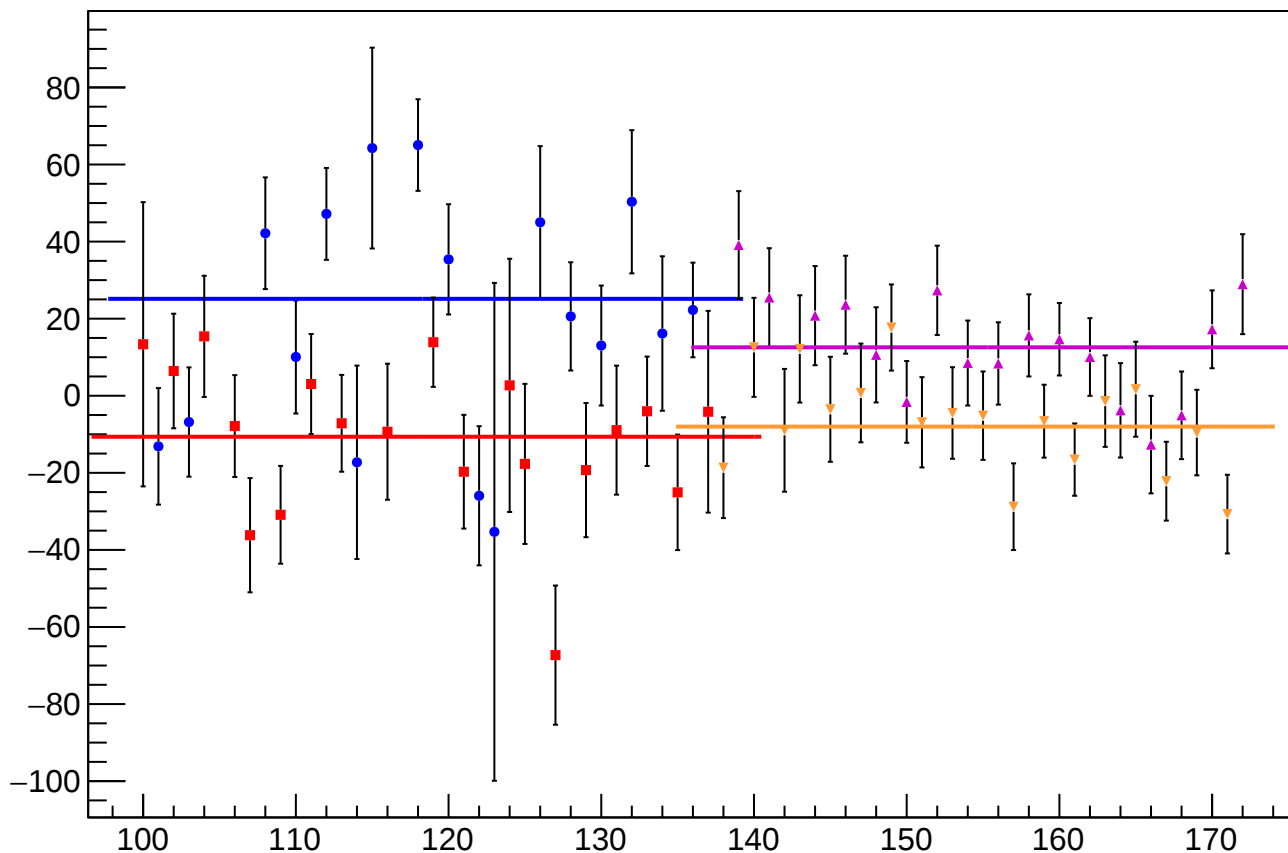
Left In: 1175.475 $\pm$ 0.235 χ^2 /NDF:1180042.9/16

+ sign 1172.822 $\pm$ 0.188 χ^2 /NDF: 1421914.4/34

All: 1181.633 $\pm$ 0.134 χ^2 /NDF: 2658633.9/70

- sign 1190.611 $\pm$ 0.190 χ^2 /NDF: 1232305.7/35

diff_bpm0l07X_mean vs Slug



Right In: 25.149 ± 3.837 $\chi^2/\text{NDF}: 46.9/16$

Left Out: -8.010 ± 2.733 $\chi^2/\text{NDF}: 23.4/17$

Right Out: -10.634 ± 3.595 $\chi^2/\text{NDF}: 27.7/18$

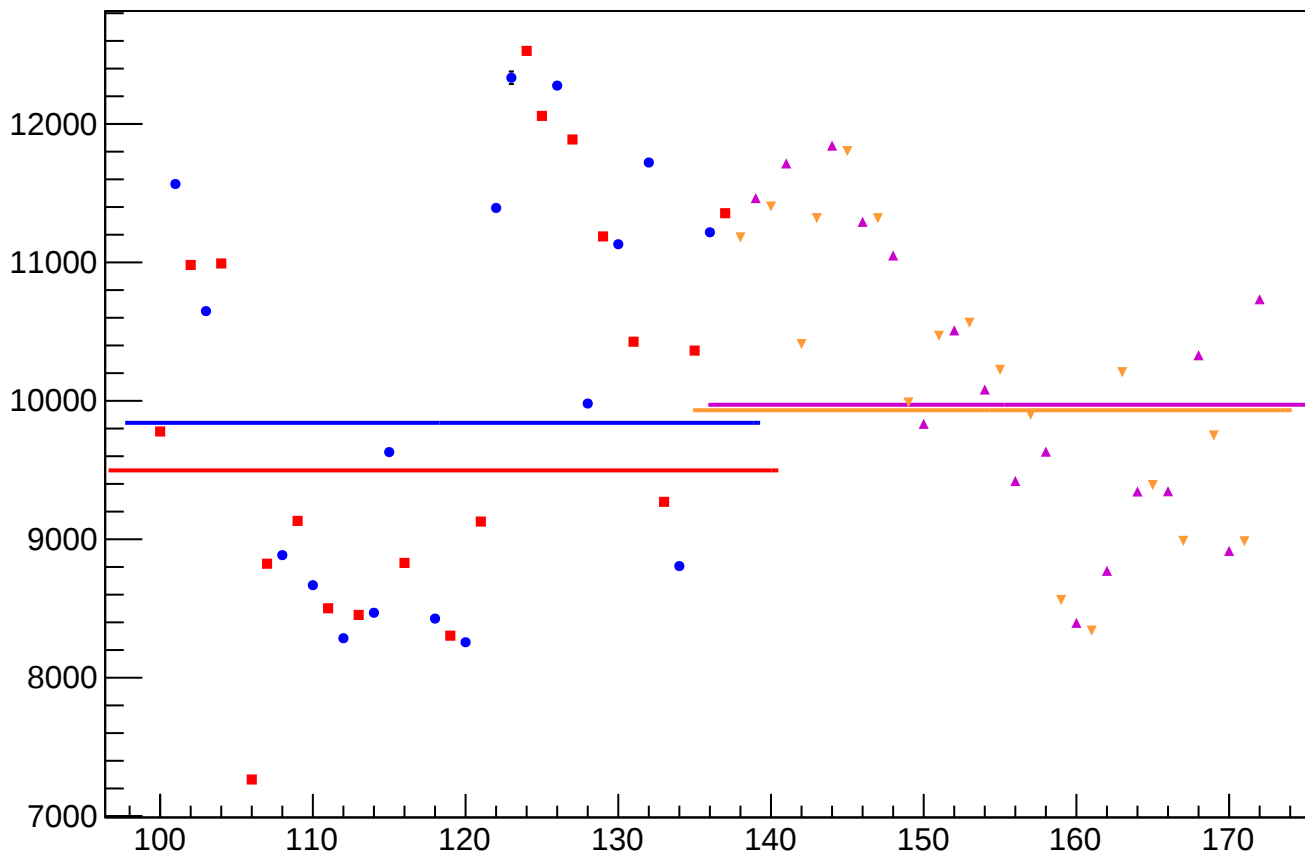
Left In: 12.568 ± 2.777 $\chi^2/\text{NDF}: 19.7/16$

+ sign 3.150 ± 2.226 $\chi^2/\text{NDF}: 119.9/34$

All: 3.529 ± 1.564 $\chi^2/\text{NDF}: 193.5/70$

- sign 3.898 ± 2.197 $\chi^2/\text{NDF}: 73.5/35$

diff_bpm0l07X_rms vs Slug



Right In: 9841.174+/-2.713 χ^2/NDF : 260062.4/16

Left Out: 9932.250+/-1.933 χ^2/NDF : 277871.2/17

Right Out: 9497.483+/-2.542 χ^2/NDF : 276700.1/18

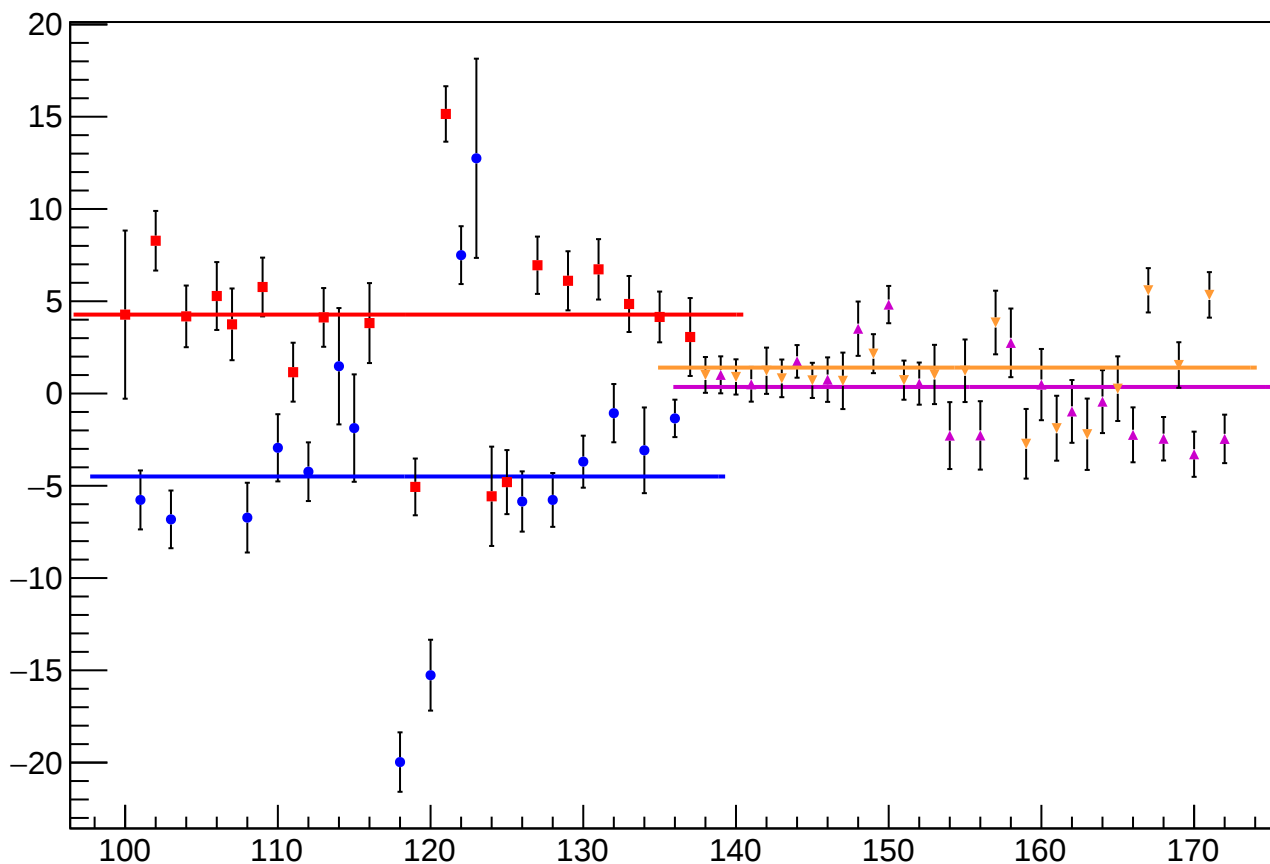
Left In: 9971.645+/-1.963 χ^2/NDF : 276613.5/16

+ sign 9901.599+/-1.574 χ^2/NDF : 538681.1/34

All: 9847.333+/-1.106 χ^2/NDF : 1116136.4/70

- sign 9794.461+/-1.554 χ^2/NDF : 575109.0/35

diff_bpm0l07Y_mean vs Slug



Right In: -4.497 ± 0.408 χ^2/NDF : 218.4/16

Left Out: 1.405 ± 0.297 χ^2/NDF : 39.1/17

Right Out: 4.277 ± 0.394 χ^2/NDF : 148.2/18

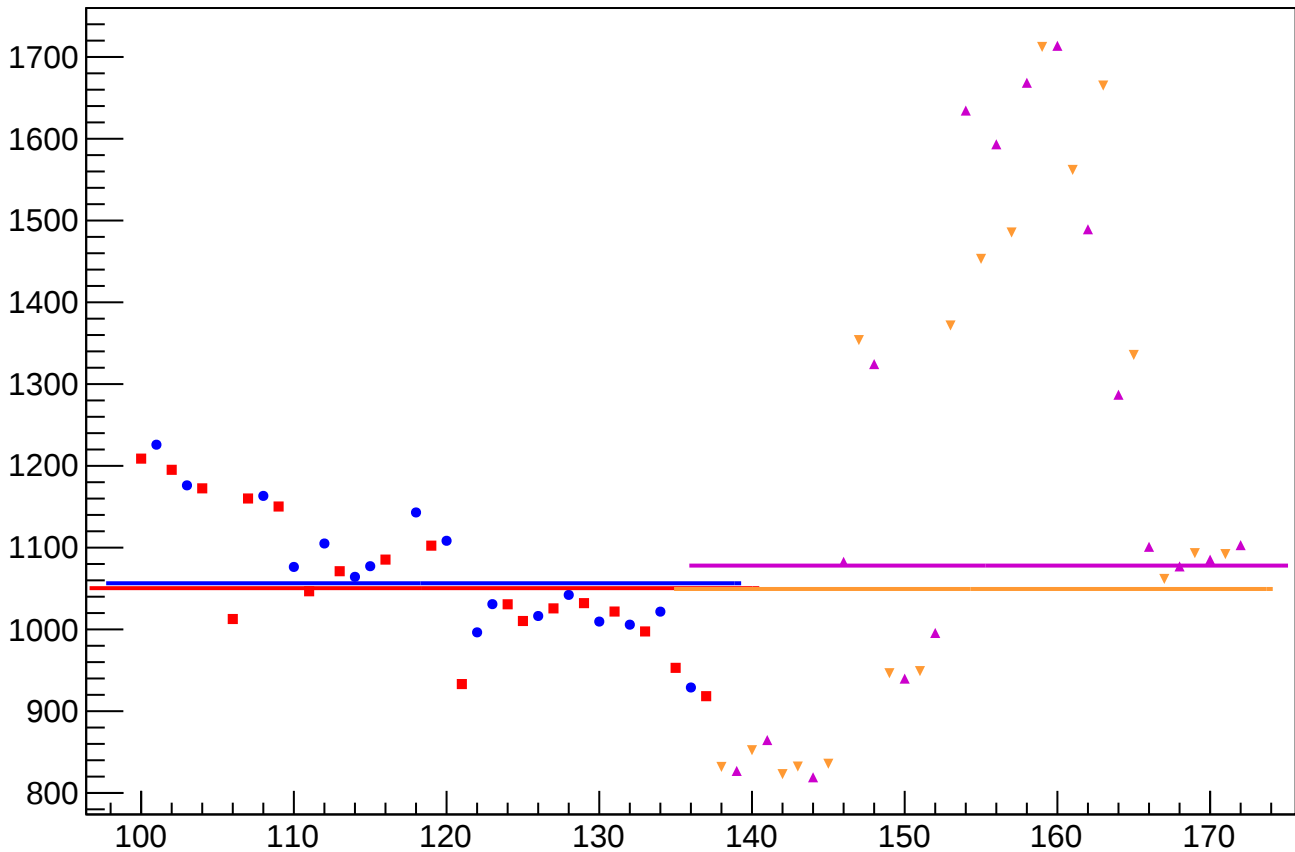
Left In: 0.355 ± 0.308 χ^2/NDF : 55.9/16

+ sign -0.637 ± 0.240 χ^2/NDF : 394.2/34

All: 0.590 ± 0.171 χ^2/NDF : 712.7/70

- sign 1.842 ± 0.243 χ^2/NDF : 265.7/35

diff_bpm0l07Y_rms vs Slug



Right In: 1056.436 $\pm$ 0.289 χ^2 /NDF: 90773.0/16

Left Out: 1049.456 $\pm$ 0.210 χ^2 /NDF: 1557908.9/17

Right Out: 1050.443 $\pm$ 0.279 χ^2 /NDF: 82396.5/18

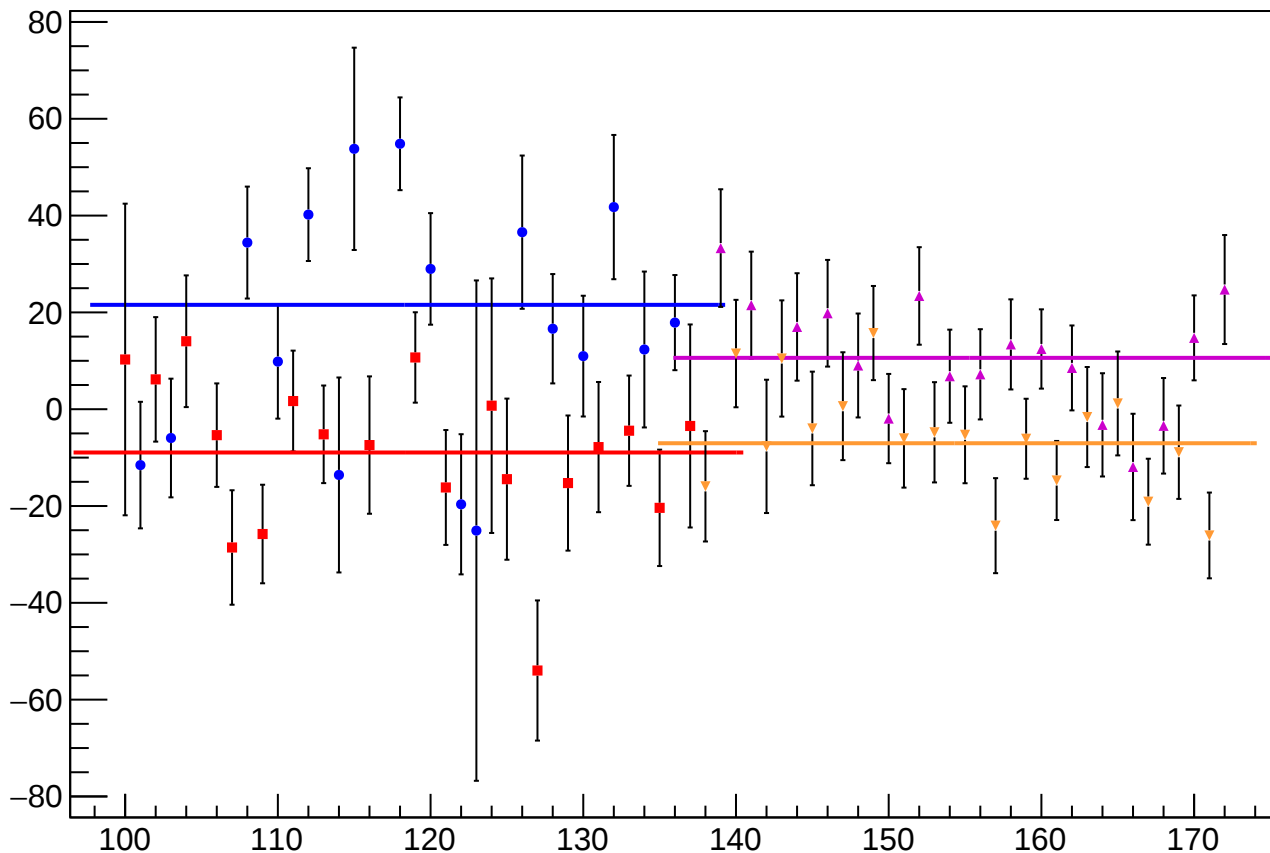
Left In: 1078.042 $\pm$ 0.218 χ^2 /NDF: 1413125.5/16

+ sign 1051.871 $\pm$ 0.170 χ^2 /NDF: 1649064.4/34

All: 1059.647 $\pm$ 0.121 χ^2 /NDF: 3154922.8/70

- sign 1067.582 $\pm$ 0.171 χ^2 /NDF: 1501618.8/35

diff_bpm0l08X_mean vs Slug



Right In: 21.561 $\pm$ 3.110 χ^2 /NDF: 48.4/16

Left Out: -7.030 $\pm$ 2.376 χ^2 /NDF:22.9/17

Right Out: -8.943 $\pm$ 2.912 χ^2 /NDF: 27.4/18

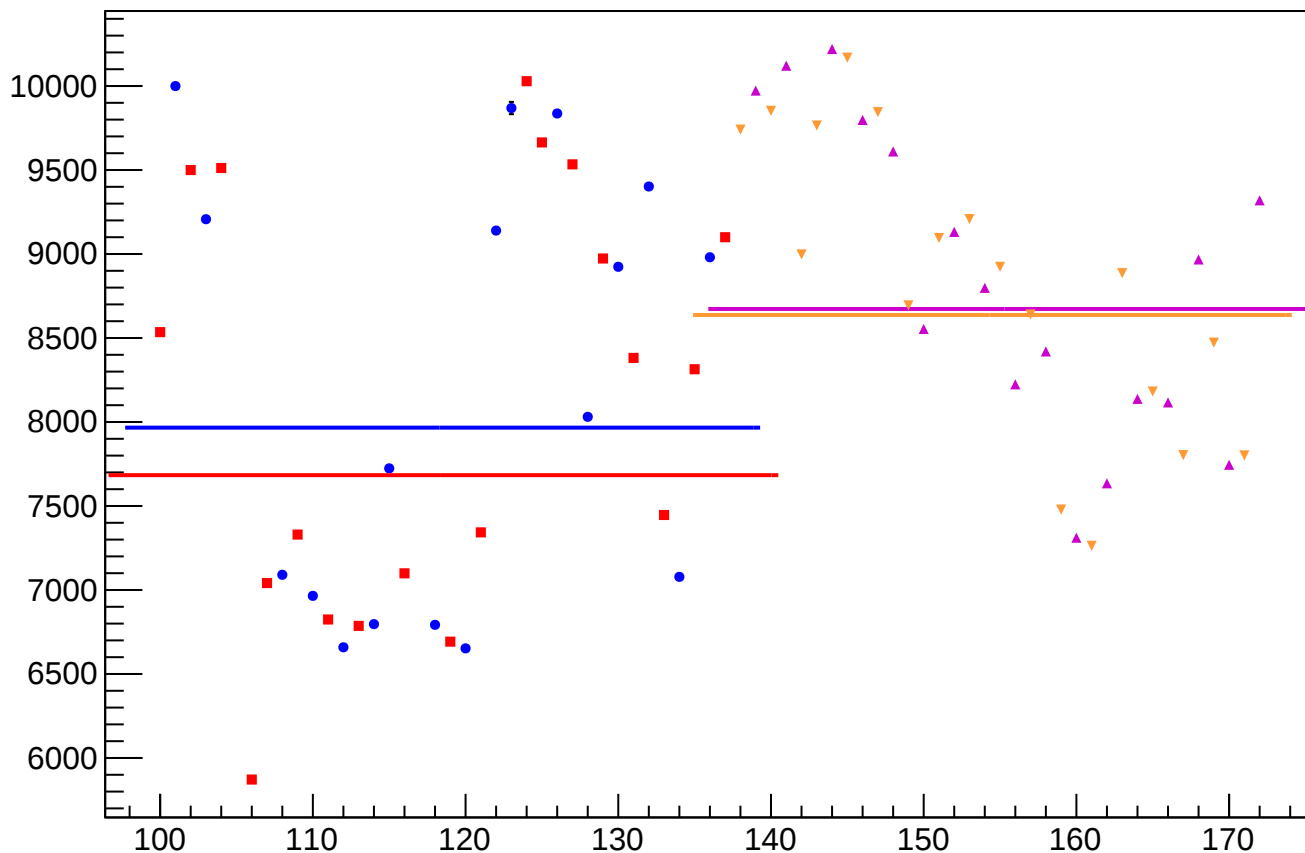
Left In: 10.609 $\pm$ 2.414 χ^2 /NDF:19.2/16

+ sign 3.507 $\pm$ 1.888 χ^2 /NDF: 124.7/34

All: 3.068 $\pm$ 1.325 χ^2 /NDF: 198.1/70

- sign 2.644 $\pm$ 1.859 χ^2 /NDF: 73.3/35

diff_bpm0l08X_rms vs Slug



Right In: 7966.405+/-2.199 χ^2/NDF : 296611.1/16

Left Out: 8637.085+/-1.680 χ^2/NDF : 267875.8/17

Right Out: 7683.479+/-2.059 χ^2/NDF : 315033.7/18

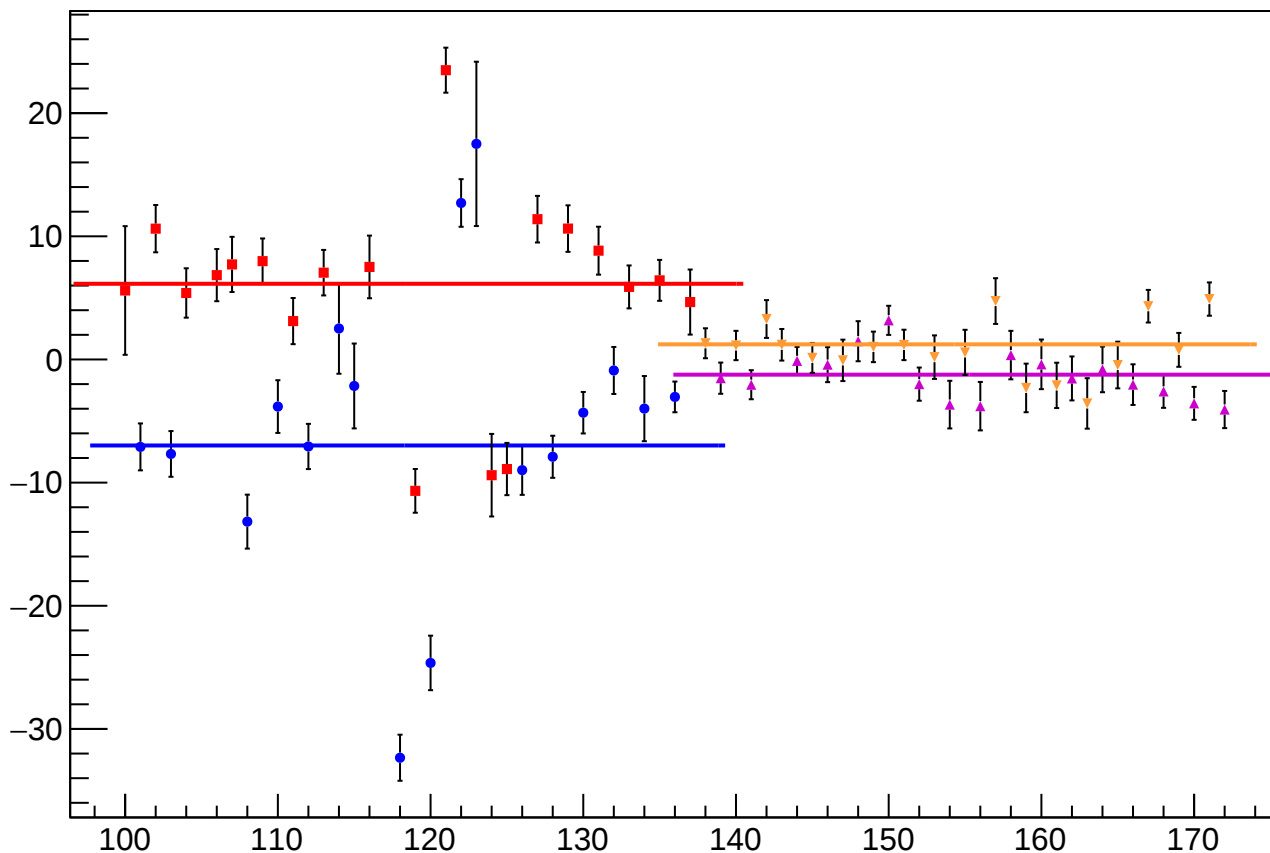
Left In: 8672.881+/-1.707 χ^2/NDF : 267286.8/16

+ sign 8389.920+/-1.335 χ^2/NDF : 623208.1/34

All: 8328.917+/-0.937 χ^2/NDF : 1346476.5/70

- sign 8269.814+/-1.314 χ^2/NDF : 719158.3/35

diff_bpm0l08Y_mean vs Slug



Right In: -6.984 ± 0.486 χ^2/NDF : 408.5/16

Left Out: 1.228 ± 0.346 χ^2/NDF : 33.0/17

Right Out: 6.145 ± 0.467 χ^2/NDF : 277.5/18

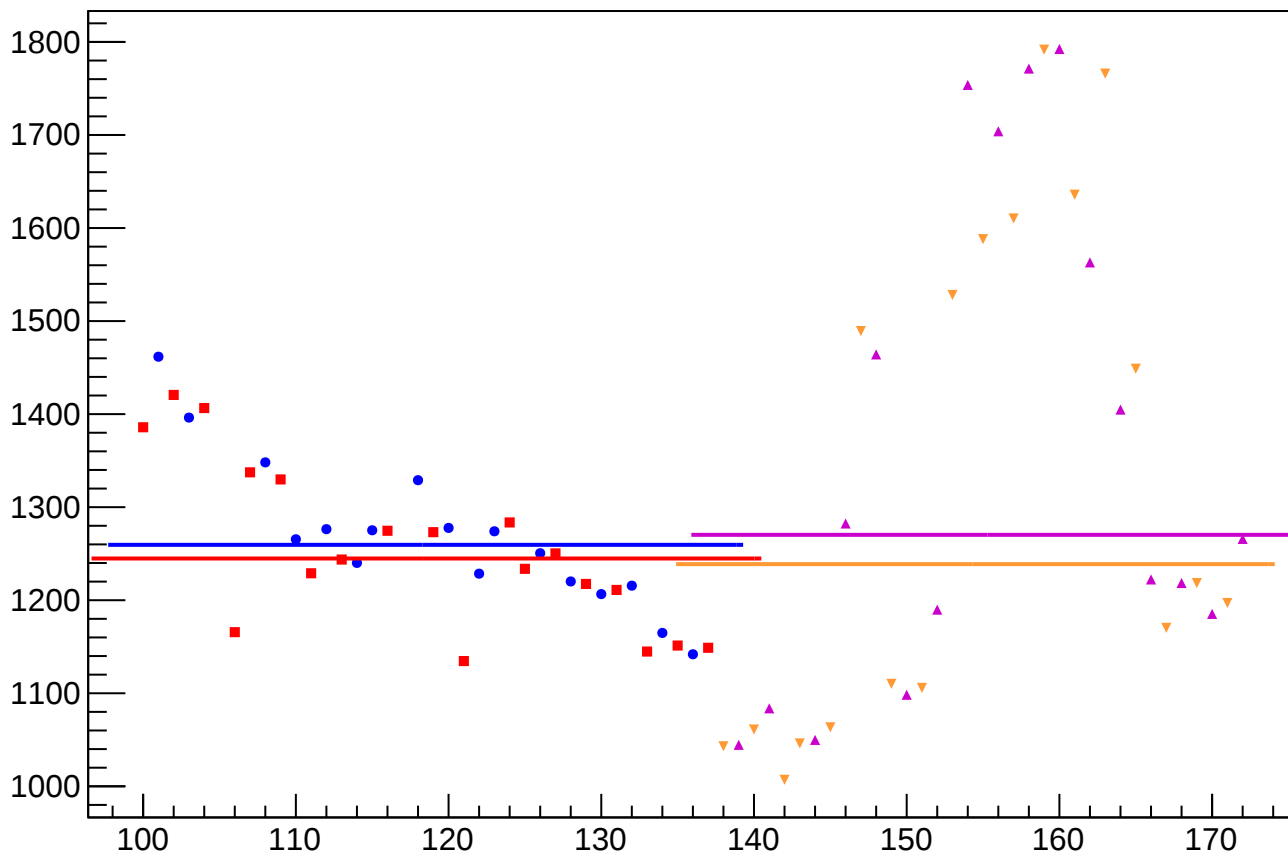
Left In: -1.234 ± 0.358 χ^2/NDF : 30.9/16

+ sign -1.528 ± 0.282 χ^2/NDF : 631.1/34

All: -0.028 ± 0.200 χ^2/NDF : 1154.2/70

- sign 1.496 ± 0.284 χ^2/NDF : 465.9/35

diff_bpm0l08Y_rms vs Slug



Right In: 1259.531 $\pm$ 0.344 χ^2 /NDF: 64844.4/16

Left Out: 1238.767 $\pm$ 0.244 χ^2 /NDF: 939046.0/17

Right Out: 1244.837 $\pm$ 0.330 χ^2 /NDF: 66826.0/18

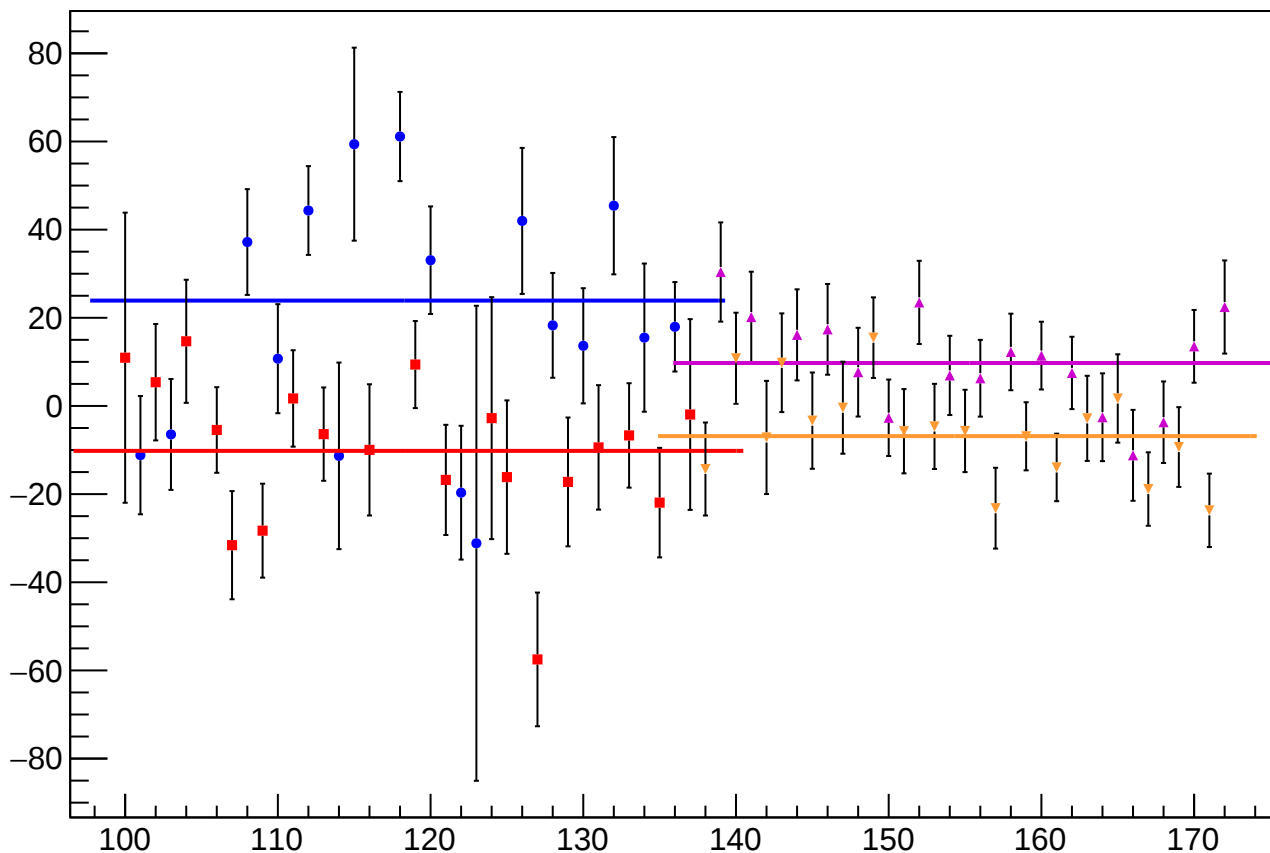
Left In: 1270.273 $\pm$ 0.253 χ^2 /NDF: 830136.4/16

+ sign 1245.735 $\pm$ 0.199 χ^2 /NDF: 1006314.2/34

All: 1253.241 $\pm$ 0.141 χ^2 /NDF: 1909884.1/70

- sign 1260.864 $\pm$ 0.201 χ^2 /NDF: 900706.5/35

diff_bpm0l09X_mean vs Slug



Right In: 23.904 ± 3.251 $\chi^2/\text{NDF}: 52.4/16$

Left Out: -6.841 ± 2.223 $\chi^2/\text{NDF}: 23.3/17$

Right Out: -10.190 ± 3.006 $\chi^2/\text{NDF}: 27.9/18$

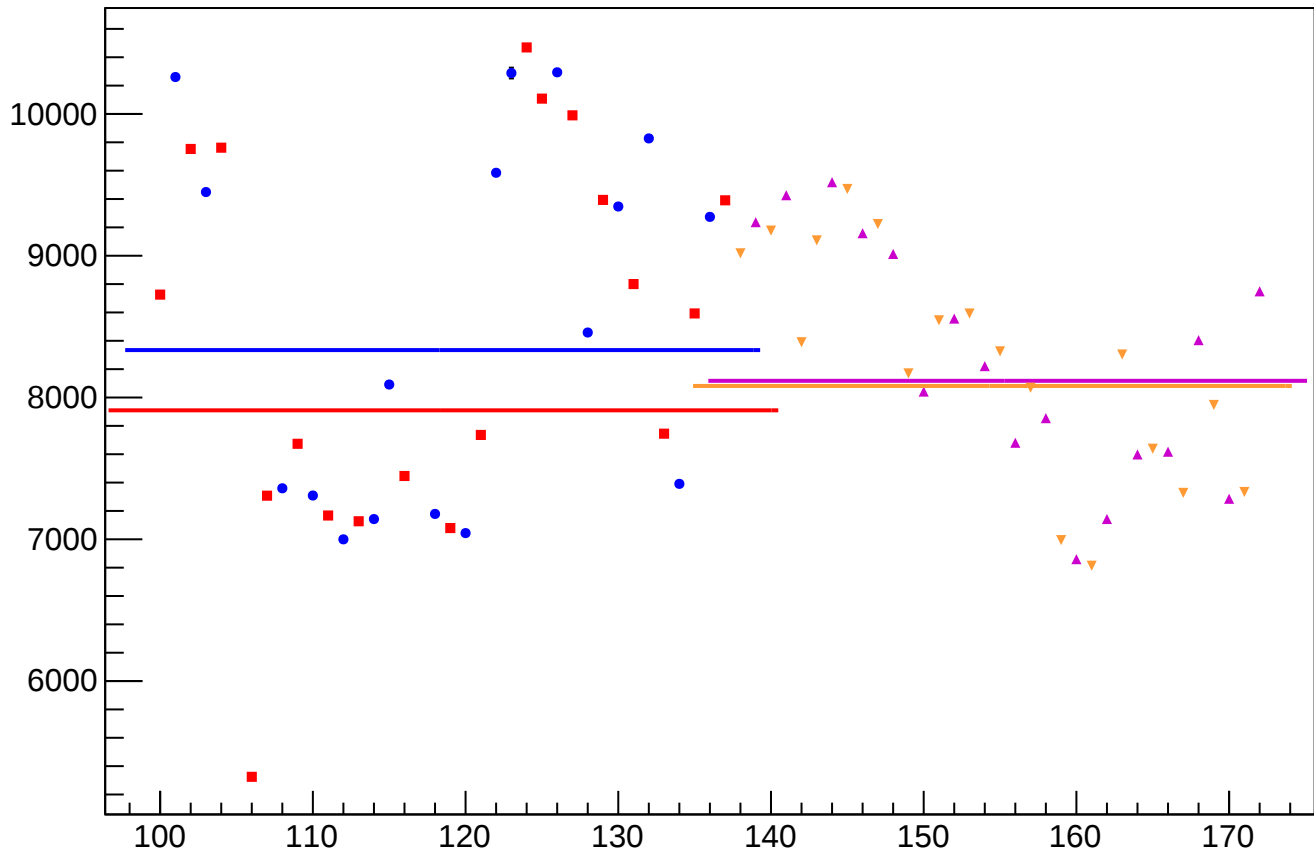
Left In: 9.747 ± 2.259 $\chi^2/\text{NDF}: 19.4/16$

+ sign 2.955 ± 1.835 $\chi^2/\text{NDF}: 136.7/34$

All: 2.749 ± 1.287 $\chi^2/\text{NDF}: 212.2/70$

- sign 2.549 ± 1.806 $\chi^2/\text{NDF}: 75.5/35$

diff_bpm0l09X_rms vs Slug



Right In: 8334.507+/-2.299 χ^2/NDF : 272302.6/16

Left Out: 8081.524+/-1.572 χ^2/NDF : 256564.0/17

Right Out: 7909.620+/-2.125 χ^2/NDF : 390819.3/18

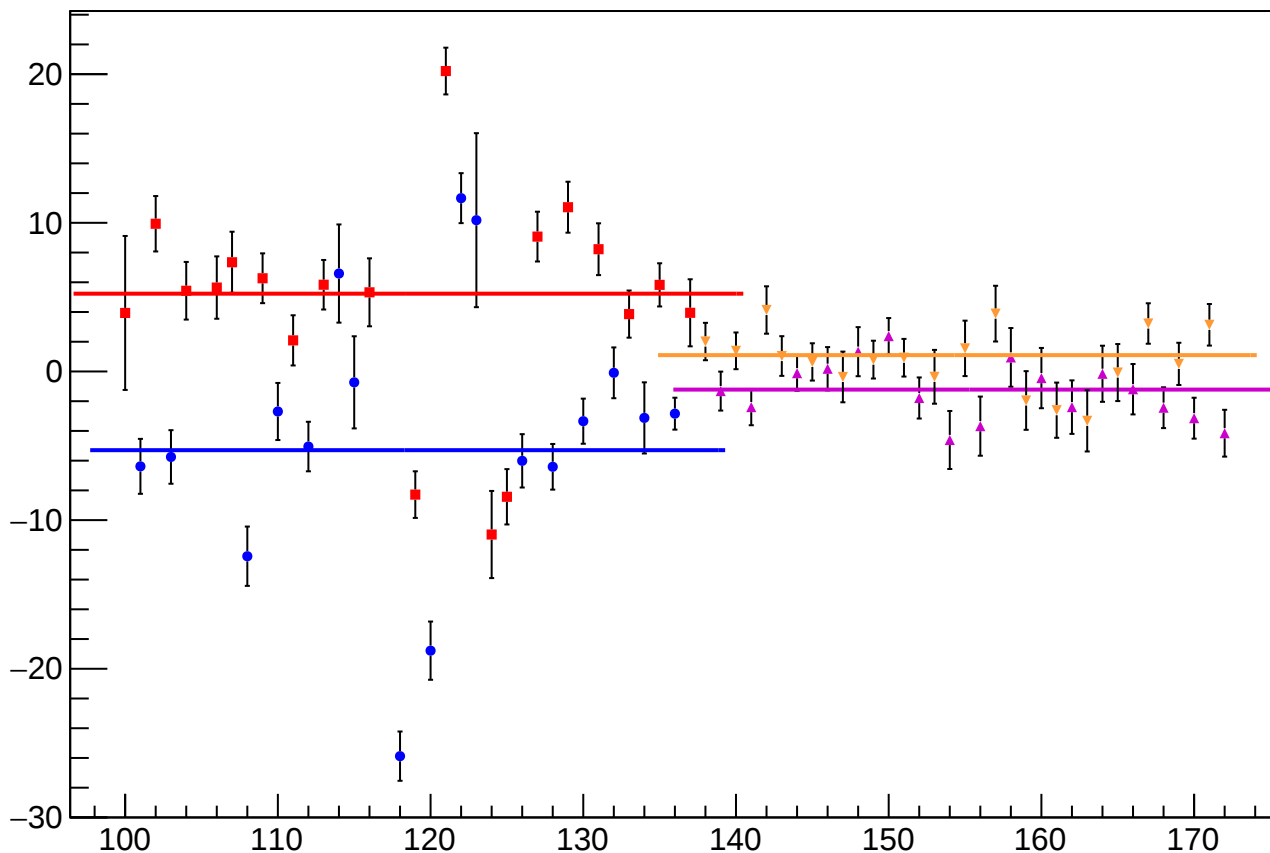
Left In: 8117.734+/-1.597 χ^2/NDF : 258023.7/16

+ sign 8162.123+/-1.297 χ^2/NDF : 537121.2/34

All: 8101.415+/-0.910 χ^2/NDF : 1196402.4/70

- sign 8042.603+/-1.277 χ^2/NDF : 654970.3/35

diff_bpm0l09Y_mean vs Slug



Right In: -5.295 ± 0.437 χ^2/NDF : 358.1/16

Left Out: 1.099 ± 0.355 χ^2/NDF : 24.2/17

Right Out: 5.233 ± 0.422 χ^2/NDF : 281.9/18

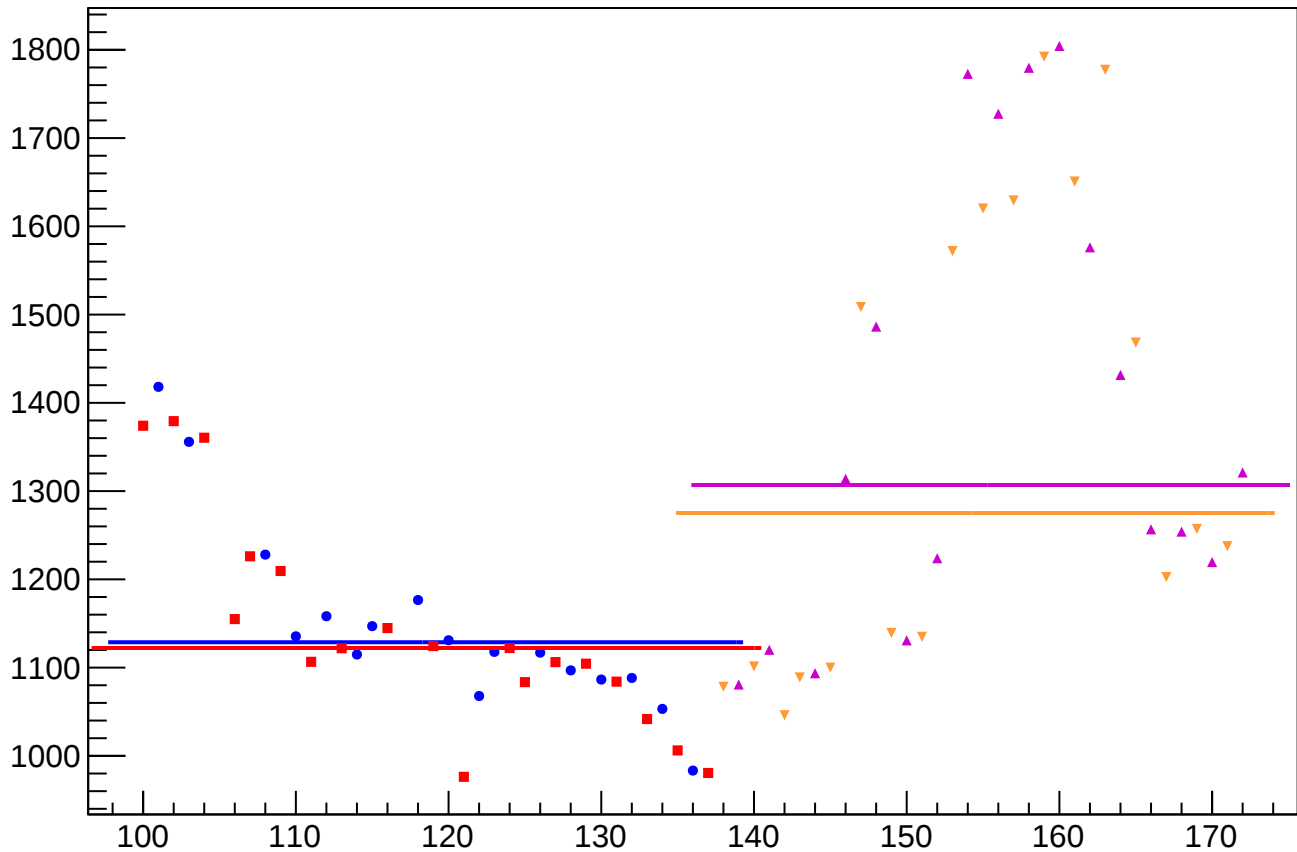
Left In: -1.219 ± 0.367 χ^2/NDF : 26.9/16

+ sign -1.442 ± 0.275 χ^2/NDF : 511.4/34

All: 0.052 ± 0.195 χ^2/NDF : 1012.6/70

- sign 1.562 ± 0.277 χ^2/NDF : 442.0/35

diff_bpm0l09Y_rms vs Slug



Right In: 1128.740 $\pm$ 0.309 χ^2 /NDF: 133096.9/16

Left Out: 1275.168 $\pm$ 0.251 χ^2 /NDF: 851890.0/17

Right Out: 1122.238 $\pm$ 0.298 χ^2 /NDF: 129601.6/18

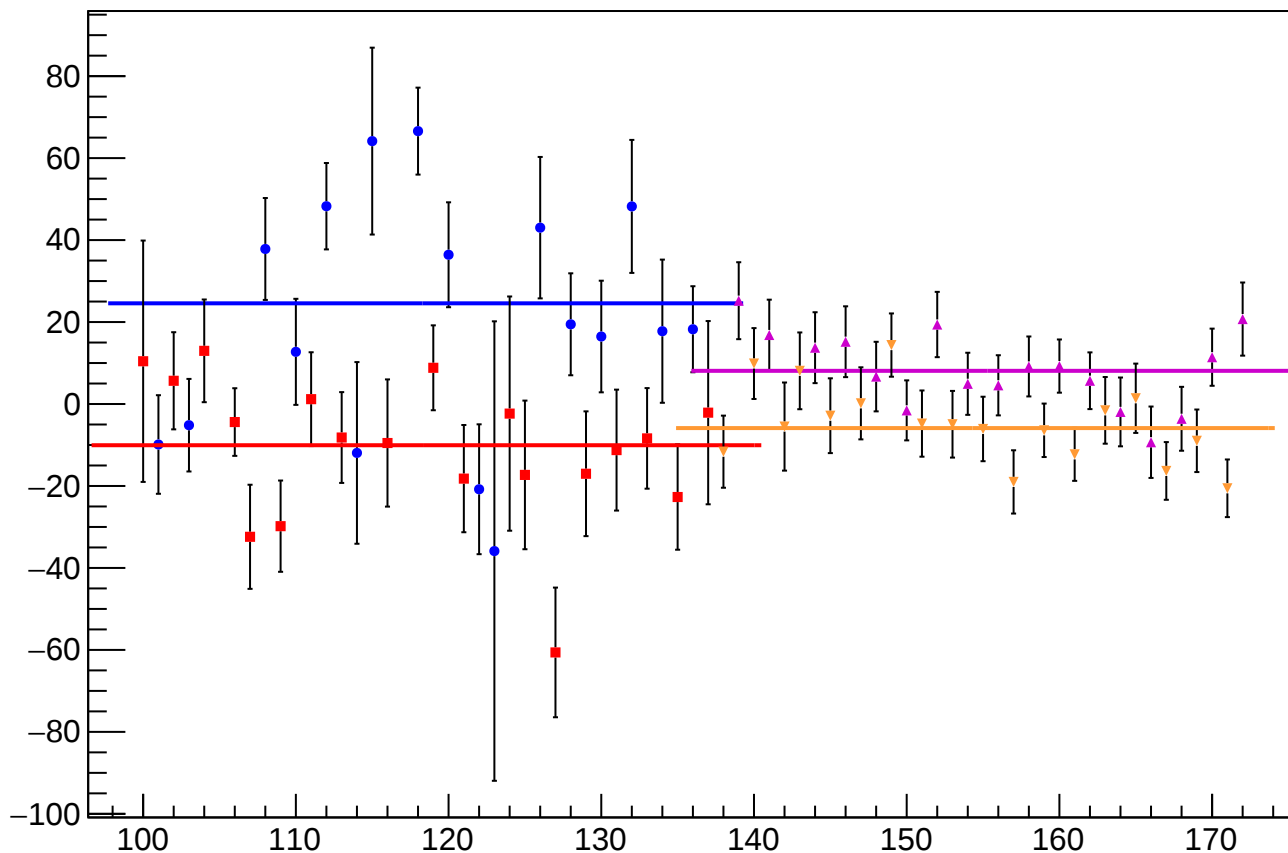
Left In: 1306.888 $\pm$ 0.260 χ^2 /NDF: 749147.4/16

+ sign 1216.963 $\pm$ 0.195 χ^2 /NDF: 1120378.9/34

All: 1222.100 $\pm$ 0.138 χ^2 /NDF: 2218737.8/70

- sign 1227.291 $\pm$ 0.196 χ^2 /NDF: 1096960.2/35

diff_bpm0l10X_mean vs Slug



Right In: 24.569 ± 3.318 χ^2/NDF : 58.1/16

Left Out: -5.874 ± 1.871 χ^2/NDF : 25.1/17

Right Out: -10.057 ± 3.008 χ^2/NDF : 28.8/18

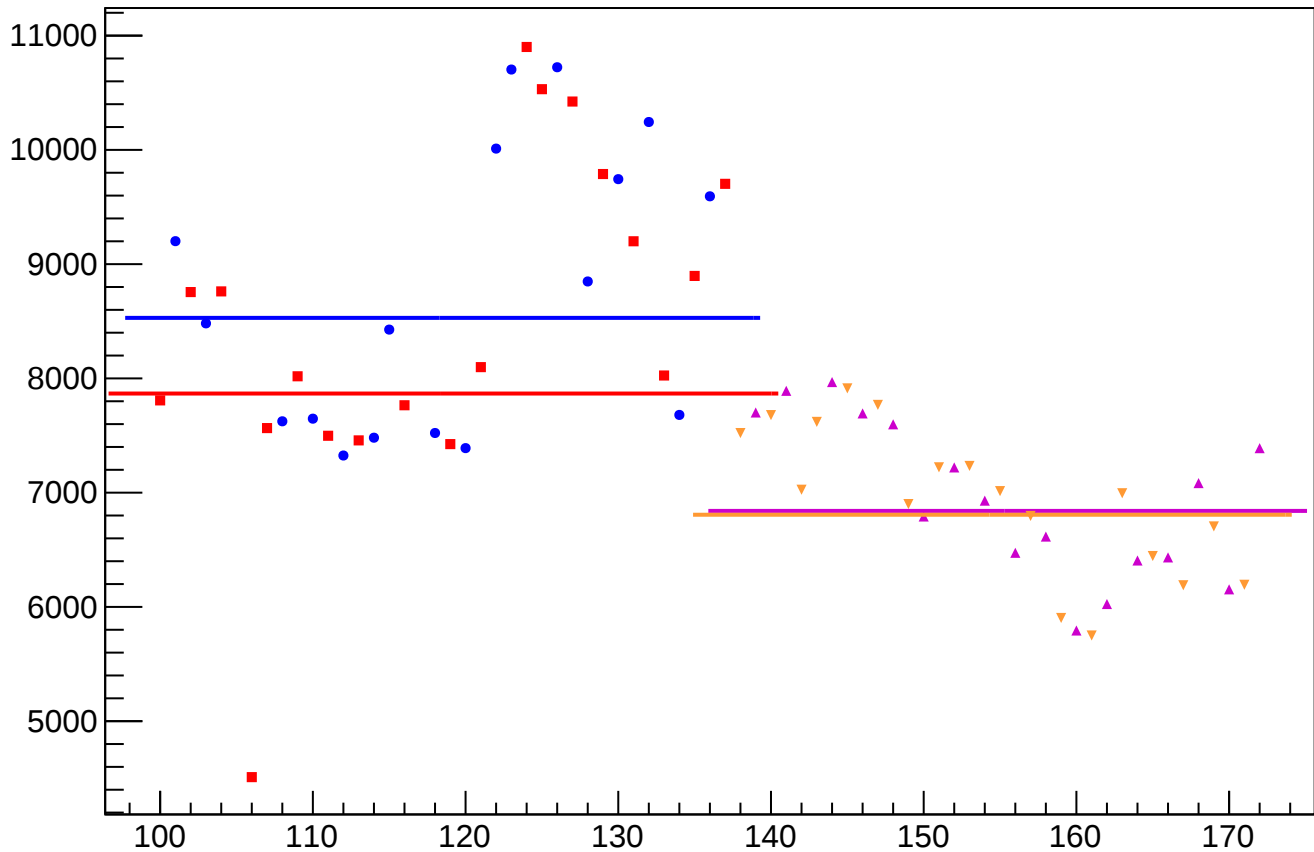
Left In: 8.096 ± 1.903 χ^2/NDF : 19.7/16

+ sign 1.472 ± 1.630 χ^2/NDF : 147.1/34

All: 2.199 ± 1.145 χ^2/NDF : 222.0/70

- sign 2.906 ± 1.608 χ^2/NDF : 74.5/35

diff_bpm0l10X_rms vs Slug



Right In: 8529.821+/-2.346 χ^2/NDF : 208336.1/16

Left Out: 6806.787+/-1.323 χ^2/NDF : 242623.0/17

Right Out: 7867.584+/-2.127 χ^2/NDF : 555841.7/18

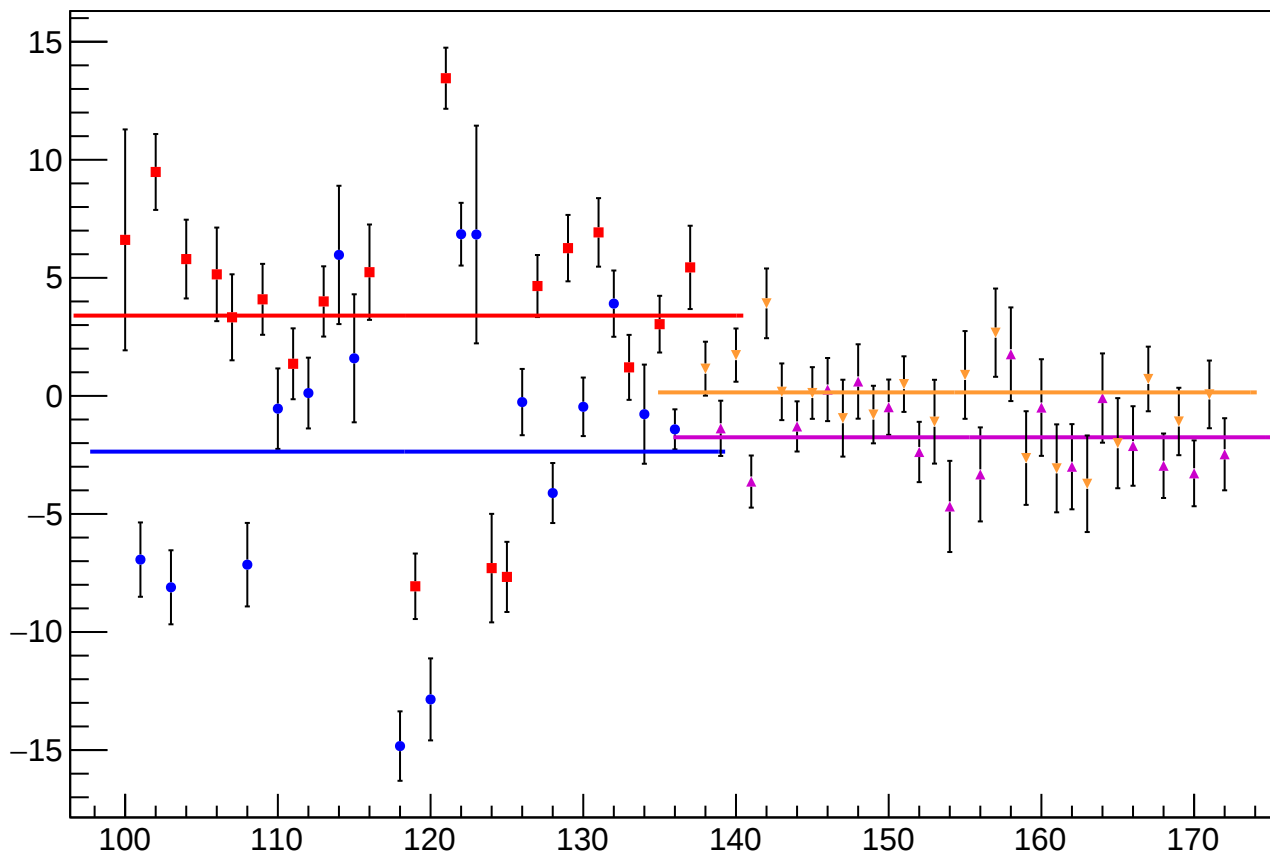
Left In: 6840.331+/-1.346 χ^2/NDF : 246222.6/16

+ sign 7222.572+/-1.153 χ^2/NDF : 860062.2/34

All: 7177.690+/-0.810 χ^2/NDF : 1831727.3/70

- sign 7134.009+/-1.137 χ^2/NDF : 968673.4/35

diff_bpm0l10Y_mean vs Slug



Right In: -2.360 ± 0.366 χ^2/NDF : 232.0/16

Left Out: 0.149 ± 0.338 χ^2/NDF : 23.6/17

Right Out: 3.401 ± 0.358 χ^2/NDF : 241.4/18

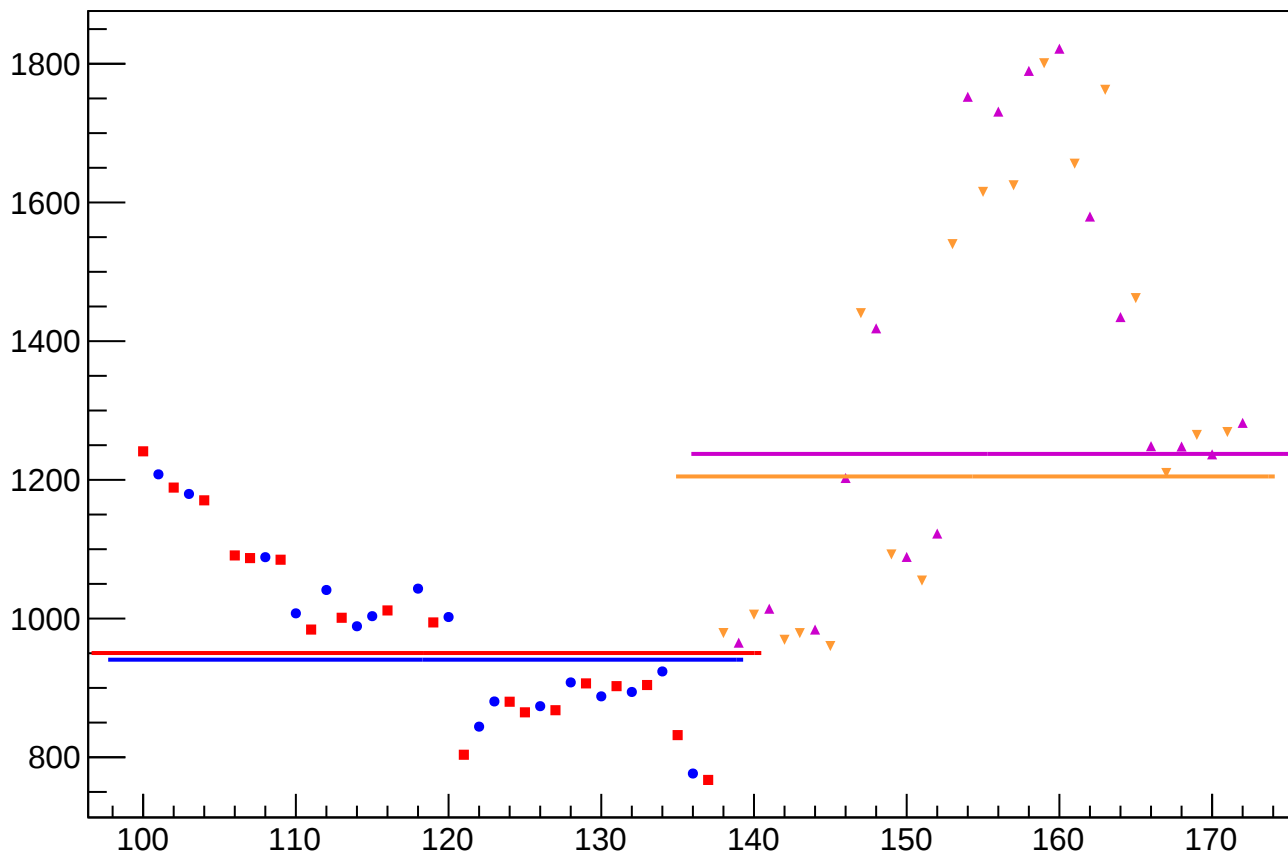
Left In: -1.753 ± 0.350 χ^2/NDF : 19.1/16

+ sign -1.006 ± 0.248 χ^2/NDF : 281.0/34

All: -0.130 ± 0.176 χ^2/NDF : 672.7/70

- sign 0.763 ± 0.250 χ^2/NDF : 366.5/35

diff_bpm0l10Y_rms vs Slug



Right In: 940.683+/-0.258 χ^2/NDF : 241768.4/16

Left Out: 1204.919+/-0.239 χ^2/NDF :1213541.4/17

Right Out: 950.316+/-0.253 χ^2/NDF : 220678.1/18

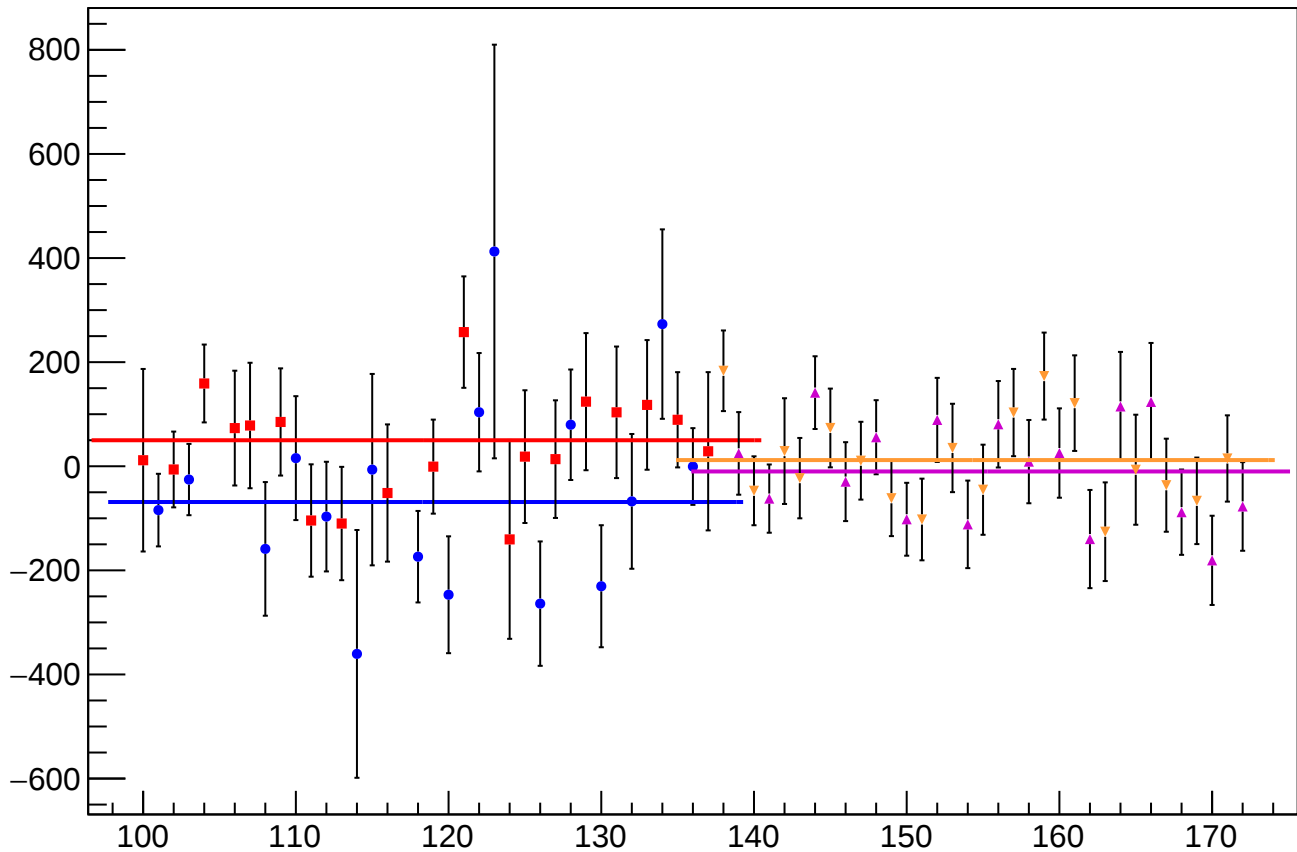
Left In: 1237.426+/-0.247 χ^2/NDF :1058782.7/16

+ sign 1083.278+/-0.175 χ^2/NDF : 2019256.2/34

All: 1090.220+/-0.125 χ^2/NDF : 3959642.3/70

- sign 1097.288+/-0.177 χ^2/NDF : 1937224.2/35

diff_bpm0r03X_mean vs Slug



Right In: -68.688 ± 25.946 χ^2/NDF : 21.8/16

Left Out: 11.862 ± 19.401 χ^2/NDF : 19.9/17

Right Out: 49.958 ± 25.020 χ^2/NDF : 14.0/18

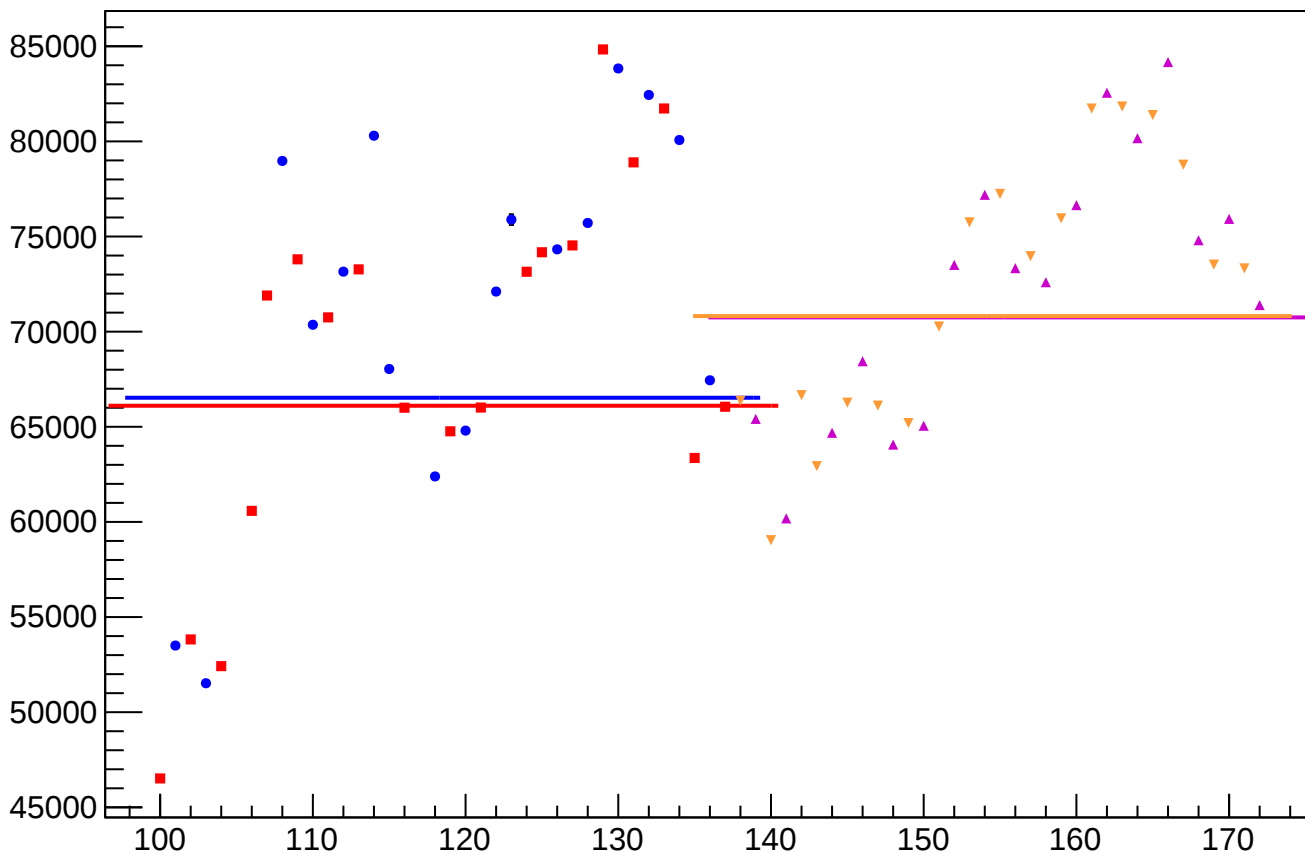
Left In: -10.006 ± 19.584 χ^2/NDF : 22.8/16

+ sign -17.025 ± 15.538 χ^2/NDF : 47.8/34

All: -2.013 ± 10.945 χ^2/NDF : 90.0/70

- sign 12.775 ± 15.421 χ^2/NDF : 40.3/35

diff_bpm0r03X_rms vs Slug



Right In: 66527.251+/-18.347 χ^2/NDF : 320887.2/16

Left Out: 70817.467+/-13.719 χ^2/NDF : 244451.0/17

Right Out: 66105.849+/-17.692 χ^2/NDF : 298485.4/18

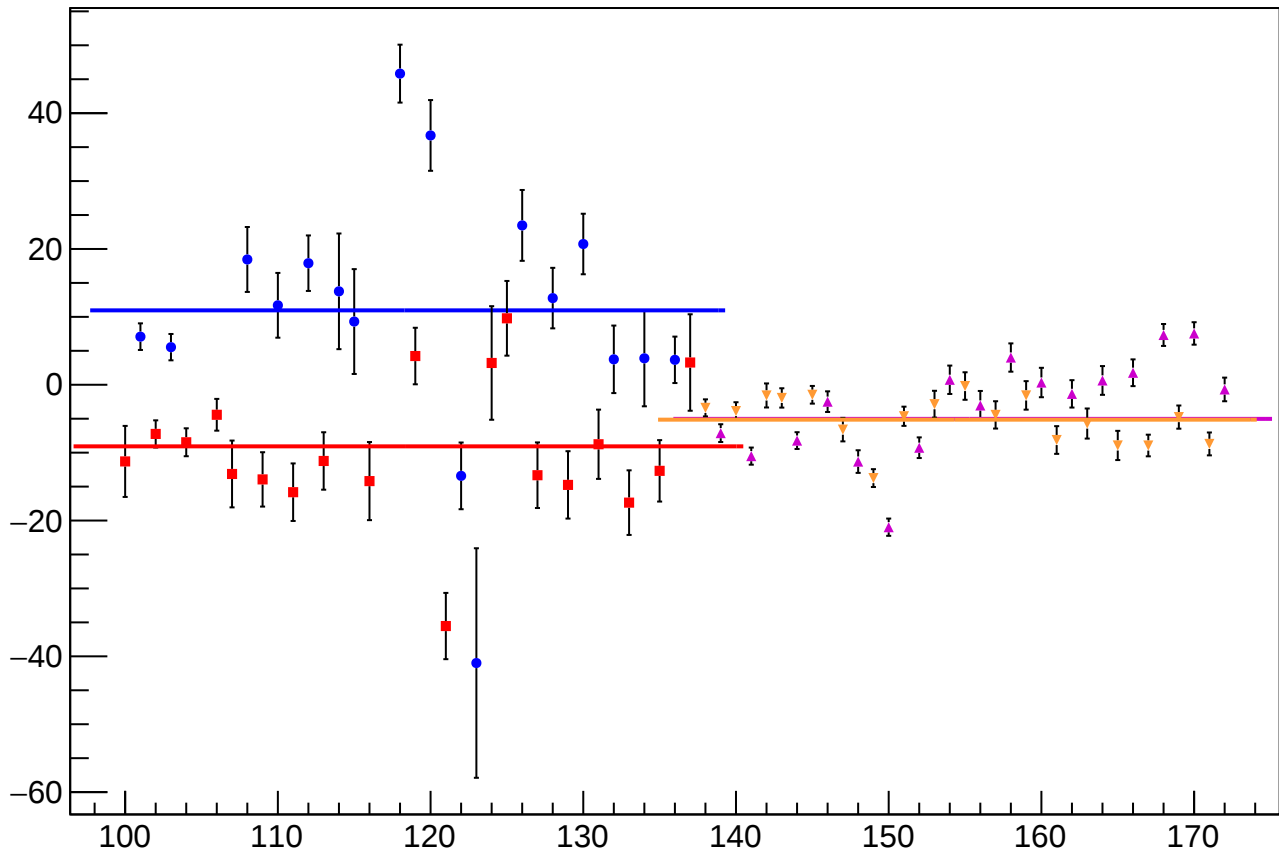
Left In: 70749.026+/-13.848 χ^2/NDF : 223162.8/16

+ sign 69278.933+/-10.987 χ^2/NDF : 600410.9/34

All: 69130.871+/-7.740 χ^2/NDF : 1165131.8/7

- sign 68985.014+/-10.905 χ^2/NDF : 564360.3/35

diff_bpm0r03Y_mean vs Slug



Right In: 10.958 ± 0.943 χ^2/NDF : 160.9/16

Left Out: -5.141 ± 0.385 χ^2/NDF : 89.4/17

Right Out: -9.072 ± 0.866 χ^2/NDF : 73.1/18

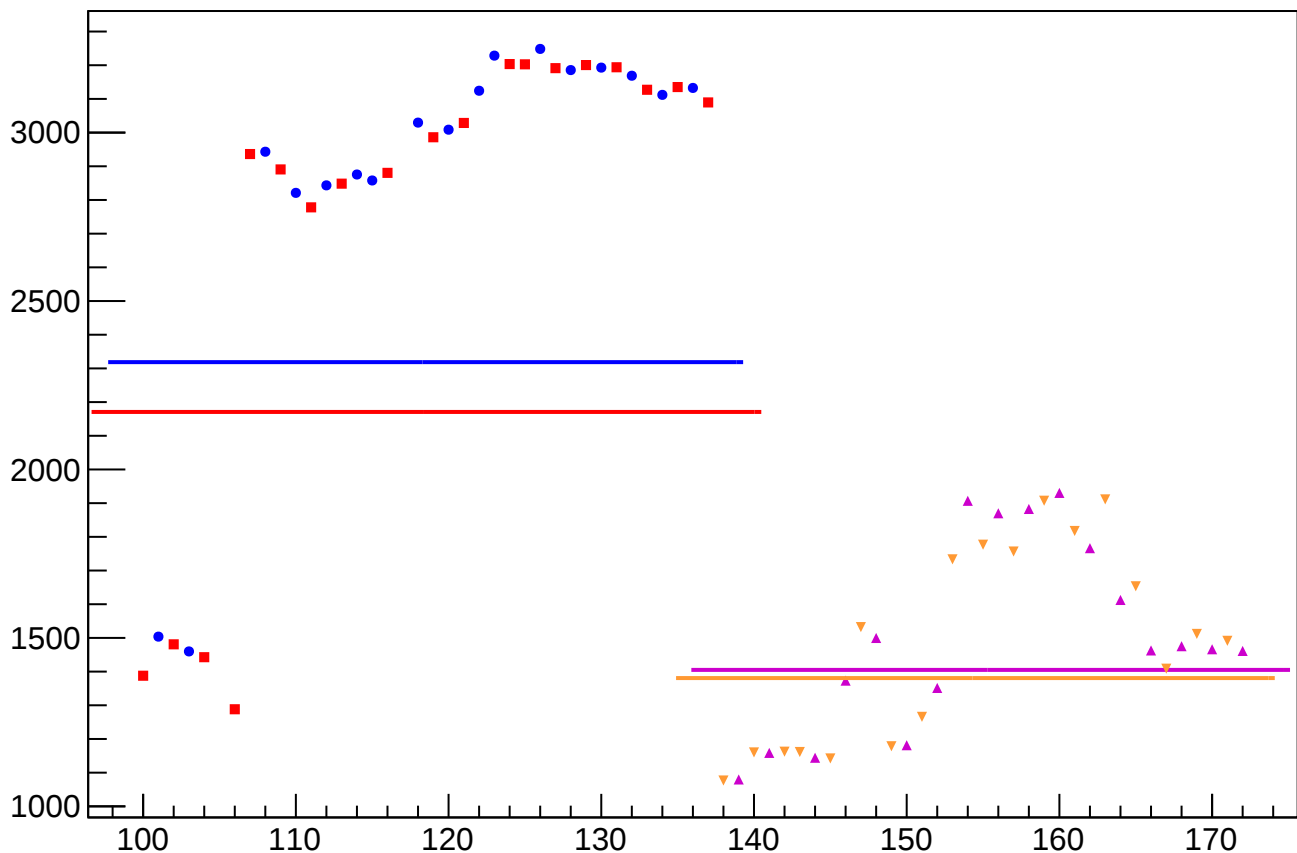
Left In: -5.024 ± 0.395 χ^2/NDF : 389.0/16

+ sign -2.846 ± 0.356 χ^2/NDF : 500.2/34

All: -4.270 ± 0.253 χ^2/NDF : 1012.6/70

- sign -5.721 ± 0.359 χ^2/NDF : 480.1/35

diff_bpm0r03Y_rms vs Slug



Right In: 2318.624+/-0.667 χ^2/NDF : 1408300.4/16

Left Out: 1380.790+/-0.272 χ^2/NDF : 990272.2/17

Right Out: 2170.786+/-0.613 χ^2/NDF : 1753687.8/18

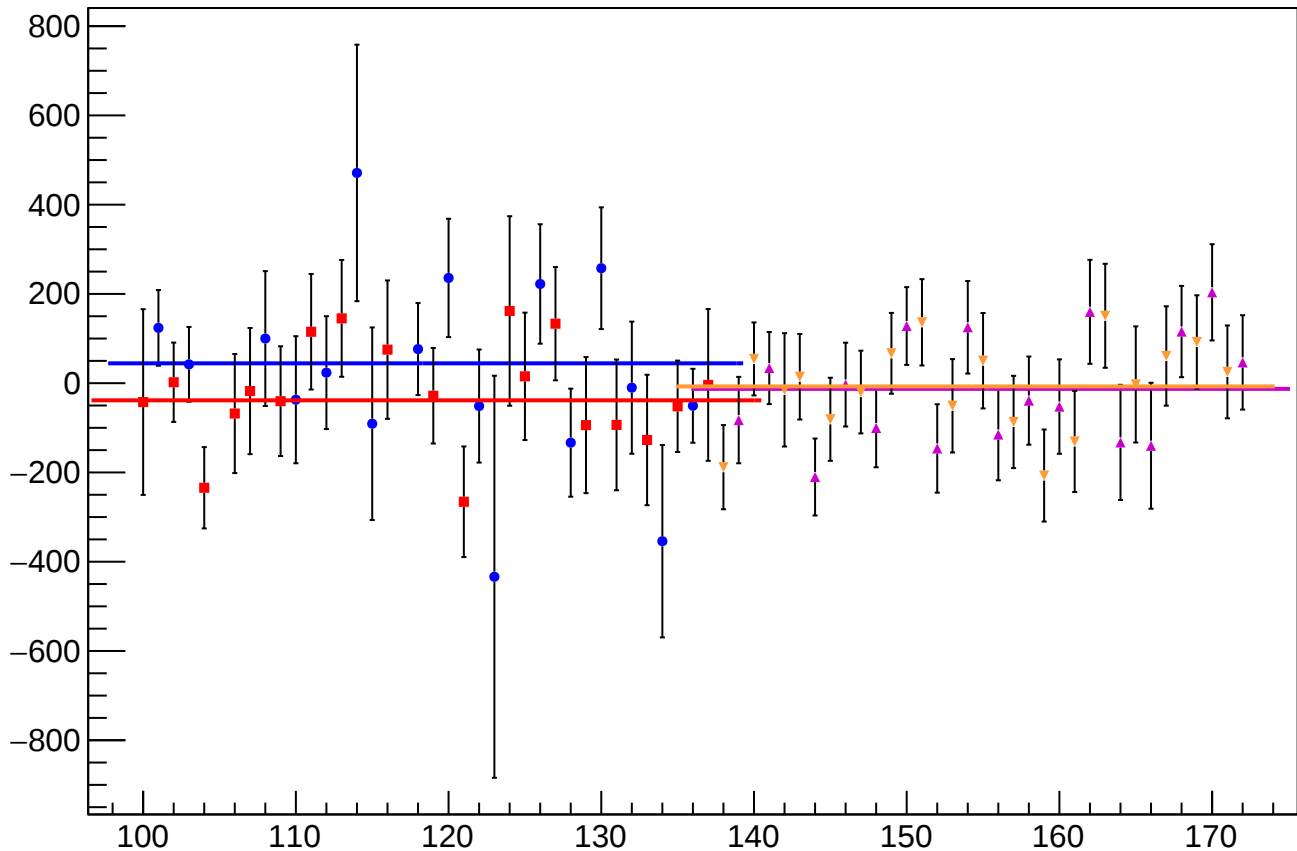
Left In: 1405.059+/-0.279 χ^2/NDF : 886906.0/16

+ sign 1514.500+/-0.252 χ^2/NDF : 4094030.9/34

All: 1525.589+/-0.179 χ^2/NDF : 8031978.9/70

- sign 1536.886+/-0.254 χ^2/NDF : 3934033.7/35

diff_bpm0r05X_mean vs Slug



Right In: 44.484 $\pm$ 30.432 χ^2 /NDF: 19.1/16

Left Out: -7.266 $\pm$ 24.005 χ^2 /NDF: 17.0/17

Right Out: -38.425 $\pm$ 29.435 χ^2 /NDF: 15.7/18

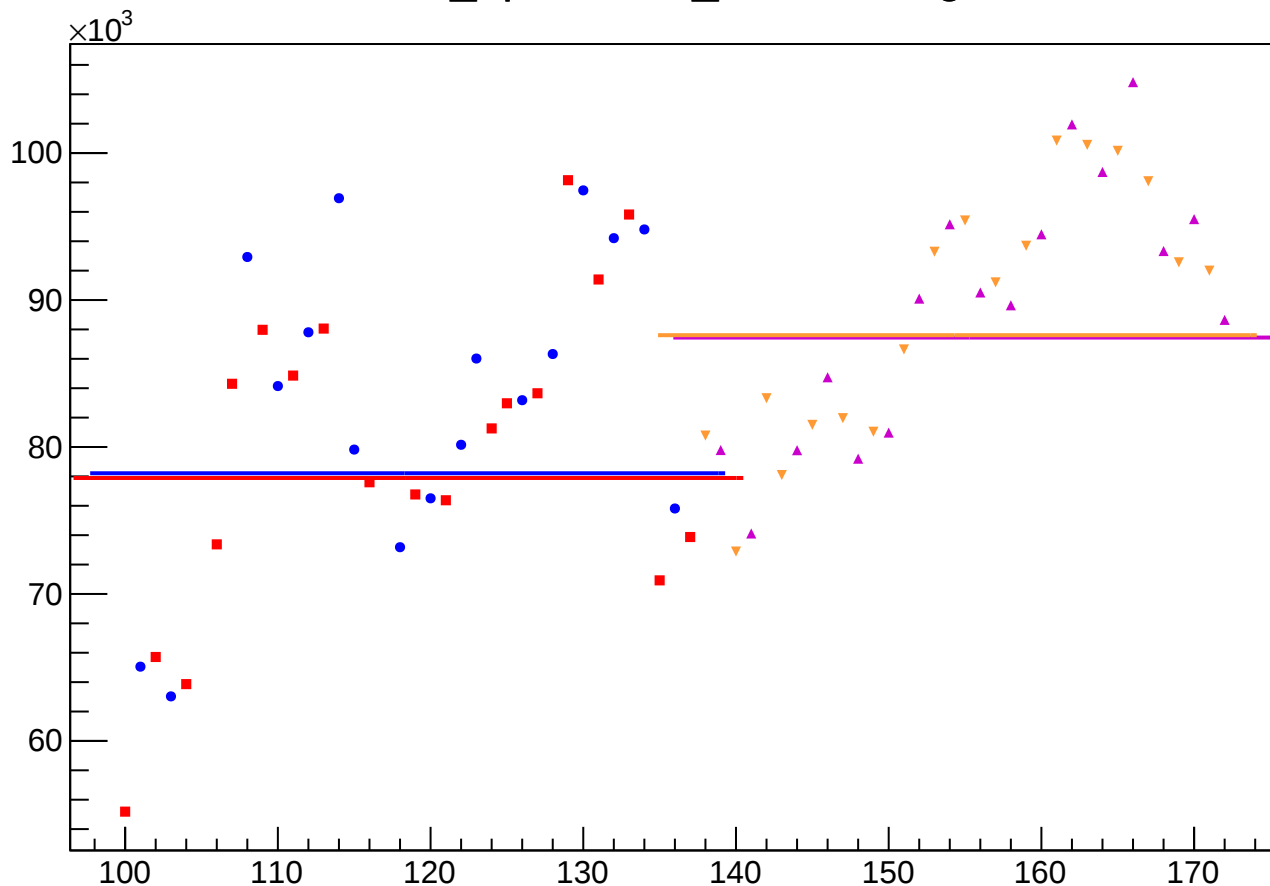
Left In: -12.737 $\pm$ 24.213 χ^2 /NDF: 24.3/16

+ sign 12.583 $\pm$ 18.847 χ^2 /NDF: 37.9/34

All: -5.401 $\pm$ 13.274 χ^2 /NDF: 80.2/70

- sign -23.104 $\pm$ 18.700 χ^2 /NDF: 40.5/35

diff_bpm0r05X_rms vs Slug



Right In: 78213.025+/-21.519 χ^2/NDF : 251056.7/16

Left Out: 87607.910+/-16.974 χ^2/NDF : 246450.8/17

Right Out: 77891.938+/-20.814 χ^2/NDF : 246970.2/18

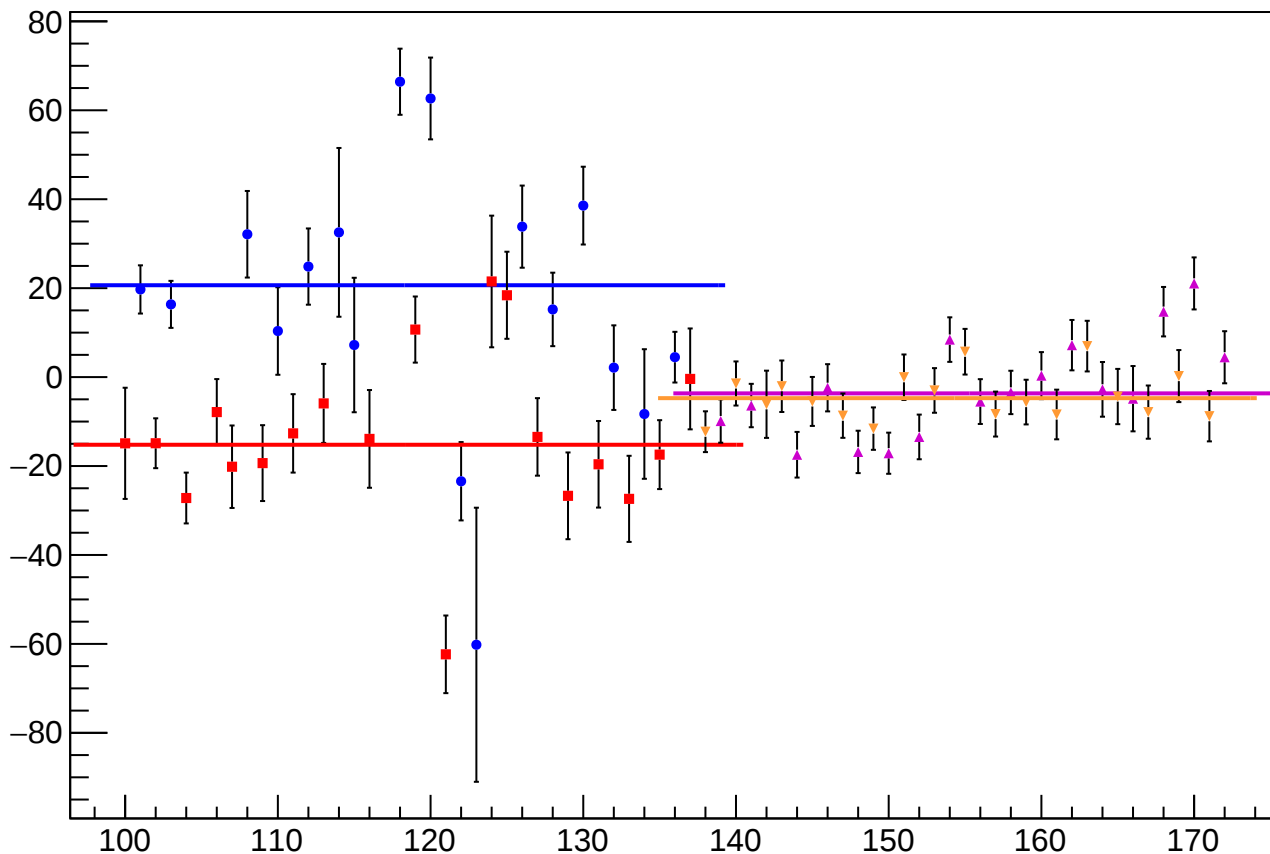
Left In: 87447.120+/-17.121 χ^2/NDF : 231750.6/16

+ sign 84004.407+/-13.327 χ^2/NDF : 615010.5/34

All: 83795.981+/-9.386 χ^2/NDF : 1219915.0/7

- sign 83590.804+/-13.223 χ^2/NDF : 604419.0/35

diff_bpm0r05Y_mean vs Slug



Right In: 20.657 ± 2.036 χ^2/NDF : 117.7/16

Left Out: -4.735 ± 1.266 χ^2/NDF : 17.9/17

Right Out: -15.216 ± 1.955 χ^2/NDF : 71.3/18

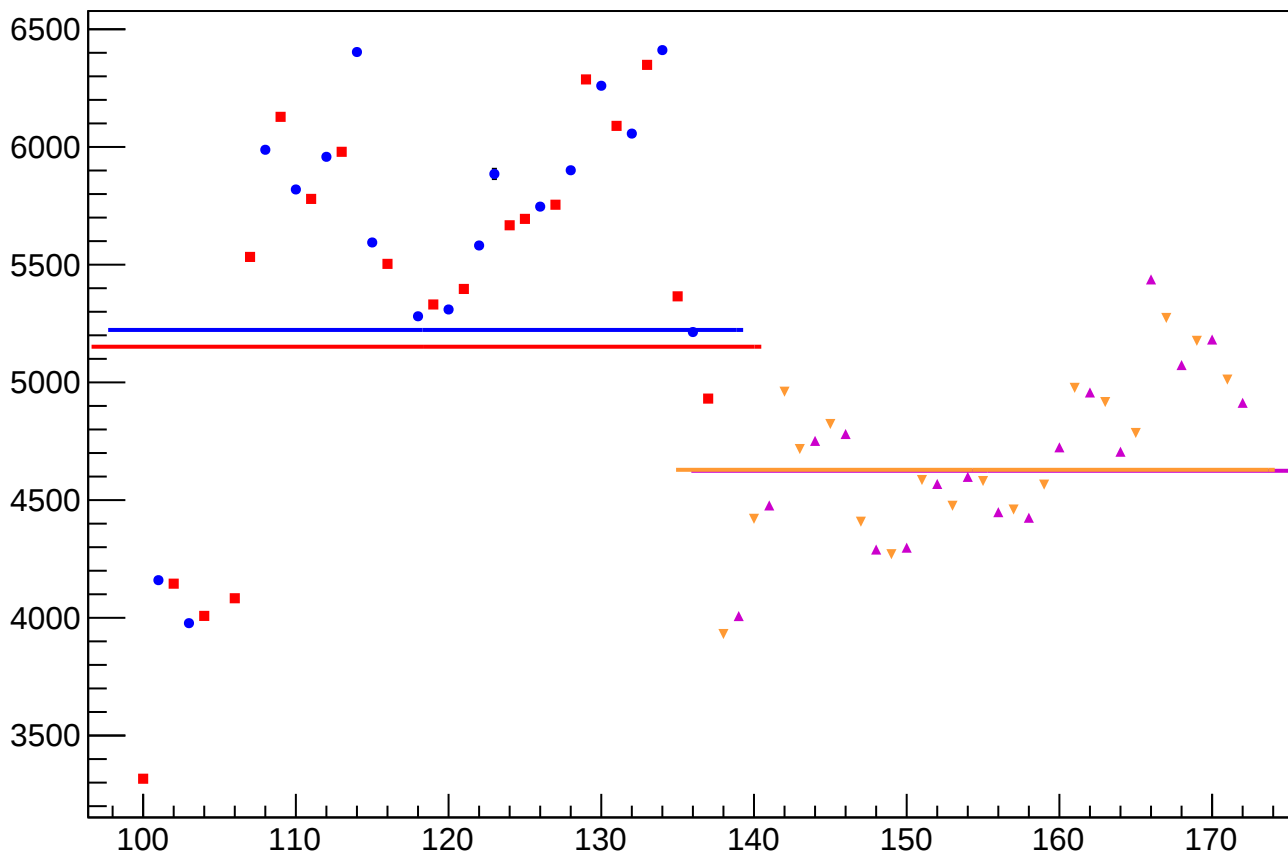
Left In: -3.660 ± 1.278 χ^2/NDF : 70.1/16

+ sign 2.342 ± 1.075 χ^2/NDF : 247.8/34

All: -2.411 ± 0.758 χ^2/NDF : 452.6/70

- sign -7.122 ± 1.070 χ^2/NDF : 165.9/35

diff_bpm0r05Y_rms vs Slug



Right In: 5222.767 $\pm$ 1.440 χ^2 /NDF: 312497.9/16

Left Out: 4628.706 $\pm$ 0.895 χ^2 /NDF: 140541.7/17

Right Out: 5151.532 $\pm$ 1.382 χ^2 /NDF: 387685.6/18

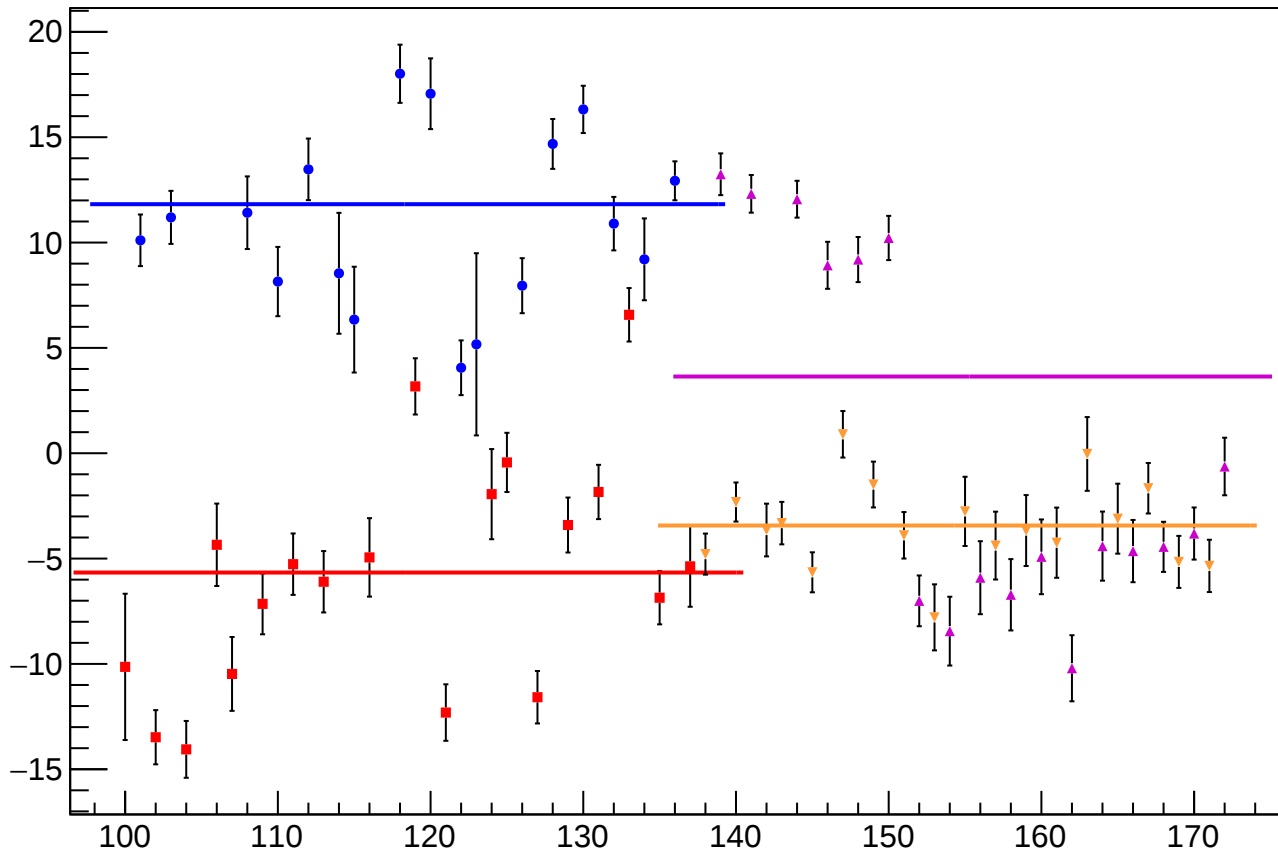
Left In: 4624.550 $\pm$ 0.904 χ^2 /NDF: 131323.9/16

+ sign 4794.282 $\pm$ 0.760 χ^2 /NDF: 575866.4/34

All: 4788.322 $\pm$ 0.536 χ^2 /NDF: 1196816.4/70

- sign 4782.416 $\pm$ 0.757 χ^2 /NDF: 620827.5/35

diff_bpm2i01X_mean vs Slug



Right In: 11.821 $\pm$ 0.344 χ^2 /NDF: 117.0/16

Left Out: -3.431 $\pm$ 0.289 χ^2 /NDF: 46.5/17

Right Out: -5.663 $\pm$ 0.338 χ^2 /NDF: 300.1/18

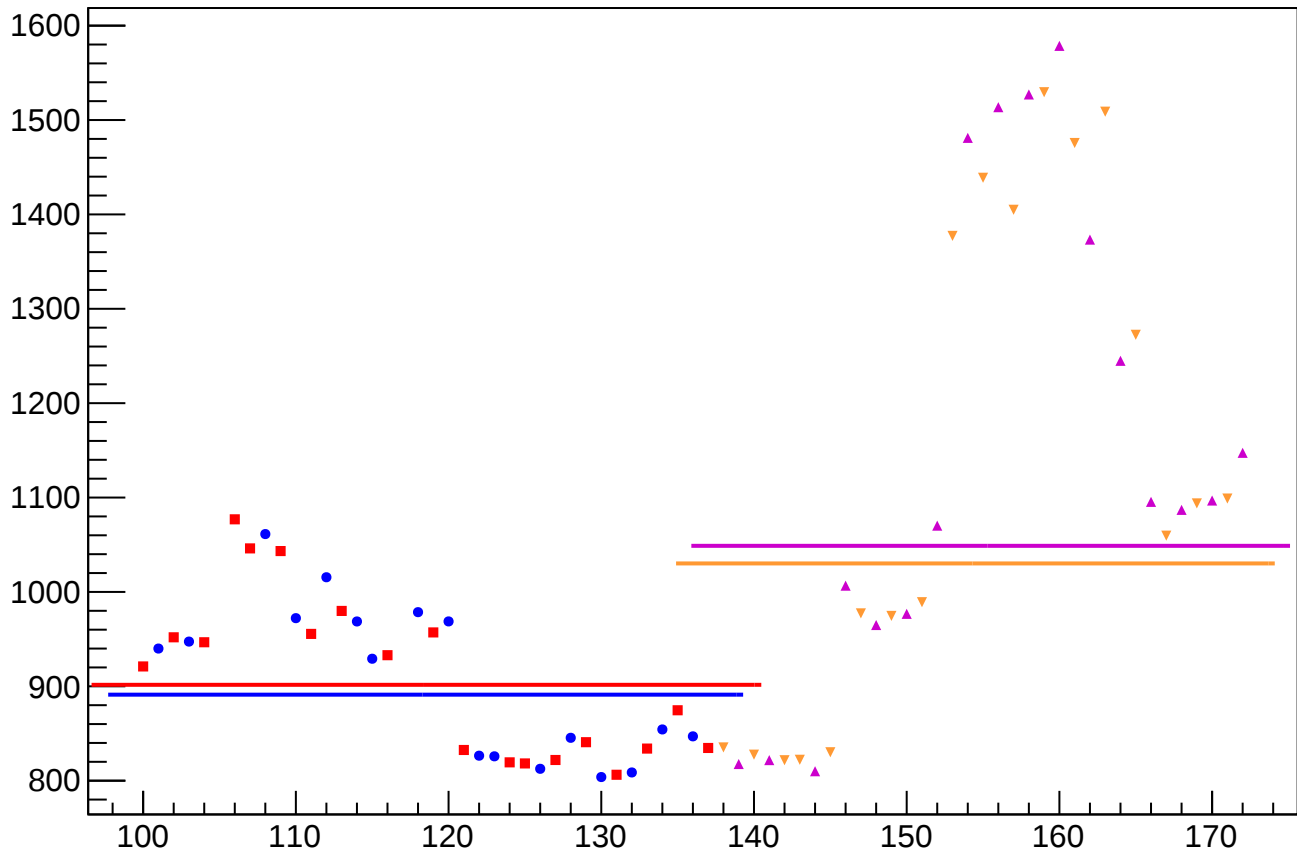
Left In: 3.641 $\pm$ 0.297 χ^2 /NDF: 818.9/16

+ sign 2.861 $\pm$ 0.221 χ^2 /NDF: 1315.0/34

All: 1.243 $\pm$ 0.157 χ^2 /NDF: 2969.1/70

- sign -0.402 $\pm$ 0.223 χ^2 /NDF: 1546.2/35

diff_bpm2i01X_rms vs Slug



Right In: 891.149 ± 0.244 $\chi^2/\text{NDF}: 101659.1/16$

Left Out: 1030.195 ± 0.204 $\chi^2/\text{NDF}: 1271205.3/17$

Right Out: 901.588 ± 0.239 $\chi^2/\text{NDF}: 114590.8/18$

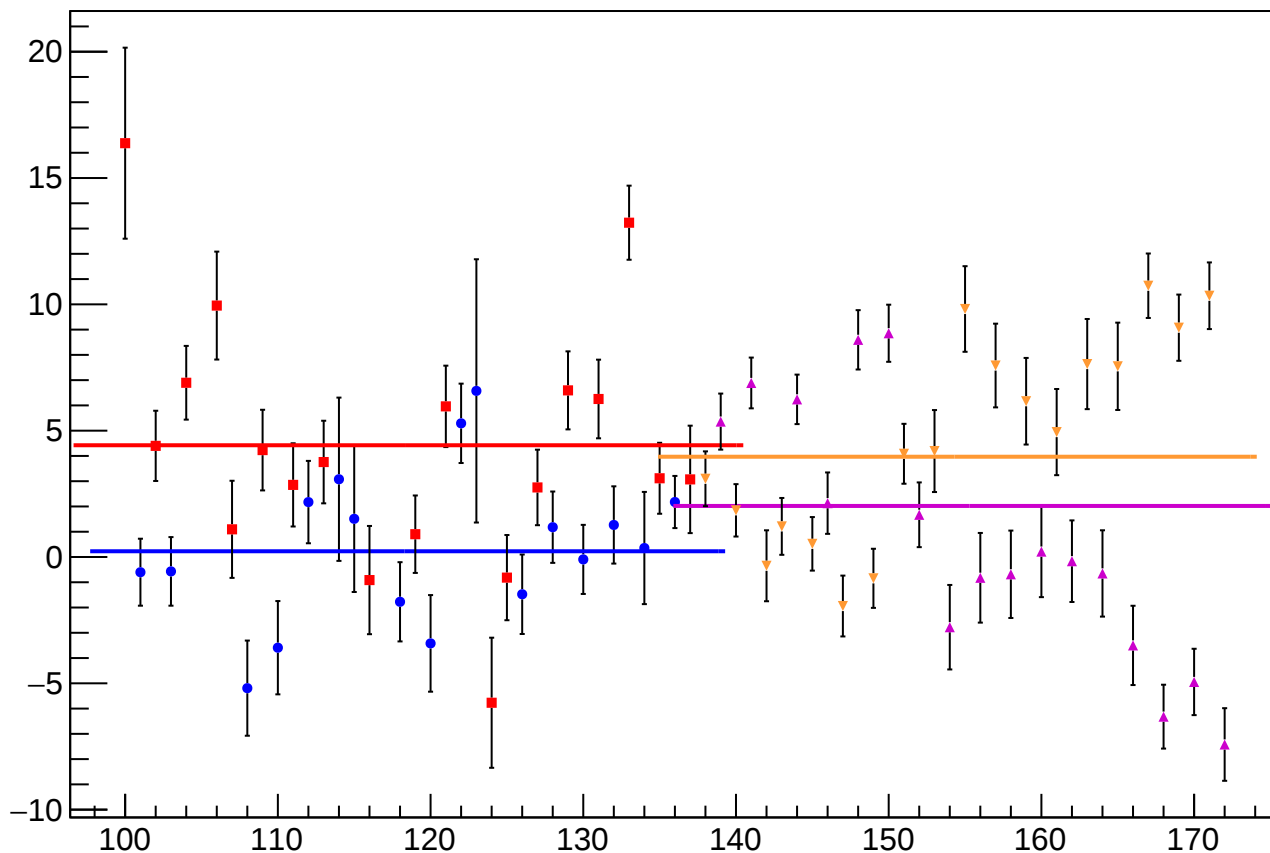
Left In: 1048.853 ± 0.210 $\chi^2/\text{NDF}: 1166026.9/16$

+ sign 972.839 ± 0.156 $\chi^2/\text{NDF}: 1564283.5/34$

All: 978.795 ± 0.111 $\chi^2/\text{NDF}: 3061897.1/70$

- sign 984.853 ± 0.158 $\chi^2/\text{NDF}: 1494690.3/35$

diff_bpm2i01Y_mean vs Slug



Right In: 0.227 ± 0.395 χ^2/NDF : 38.5/16

Left Out: 3.969 ± 0.312 χ^2/NDF : 165.7/17

Right Out: 4.423 ± 0.387 χ^2/NDF : 103.3/18

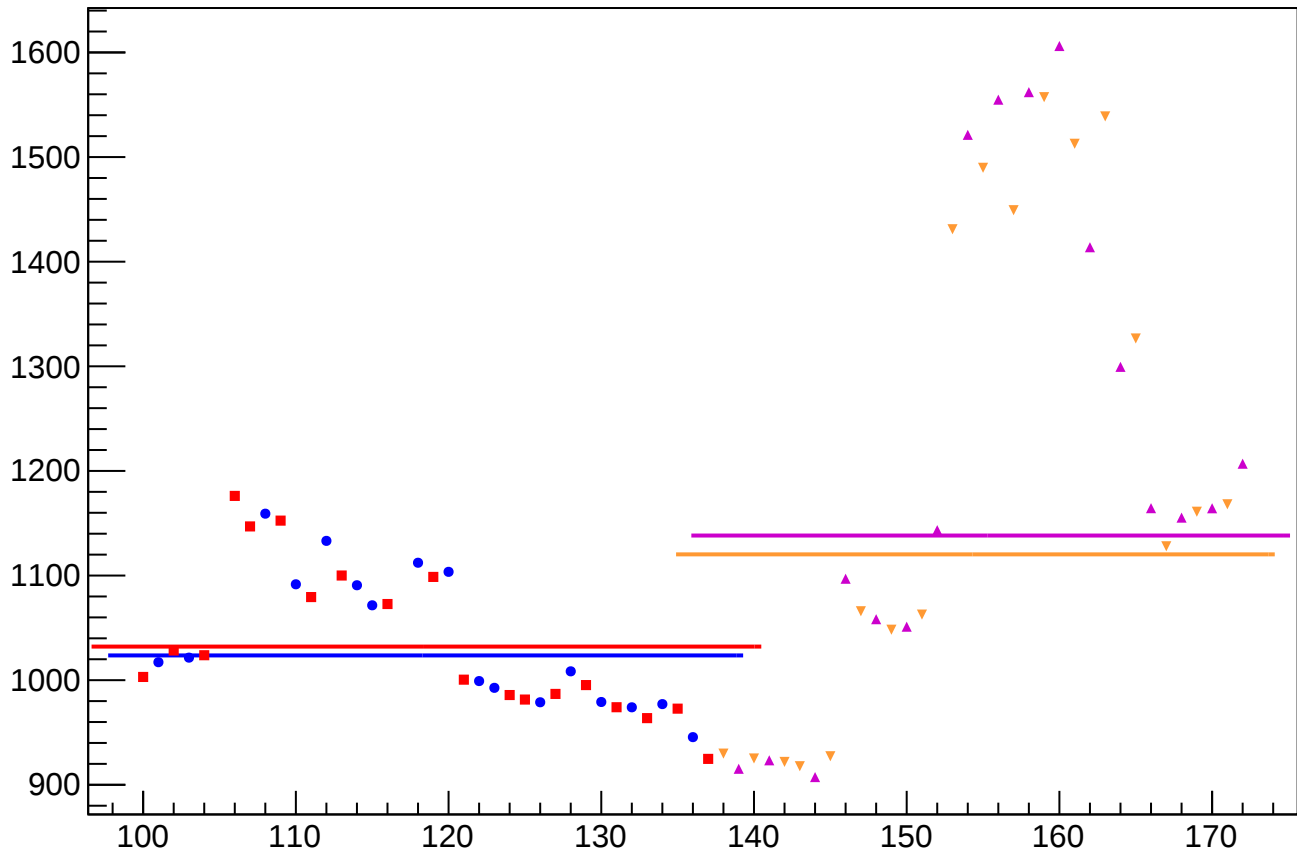
Left In: 2.021 ± 0.320 χ^2/NDF : 264.8/16

+ sign 2.533 ± 0.245 χ^2/NDF : 259.6/34

All: 2.763 ± 0.174 χ^2/NDF : 652.4/70

- sign 2.996 ± 0.246 χ^2/NDF : 391.1/35

diff_bpm2i01Y_rms vs Slug



Right In: 1023.655+/-0.279 χ^2/NDF : 52373.8/16

Left Out: 1120.250+/-0.220 χ^2/NDF : 946320.6/17

Right Out: 1032.107+/-0.273 χ^2/NDF : 59391.6/18

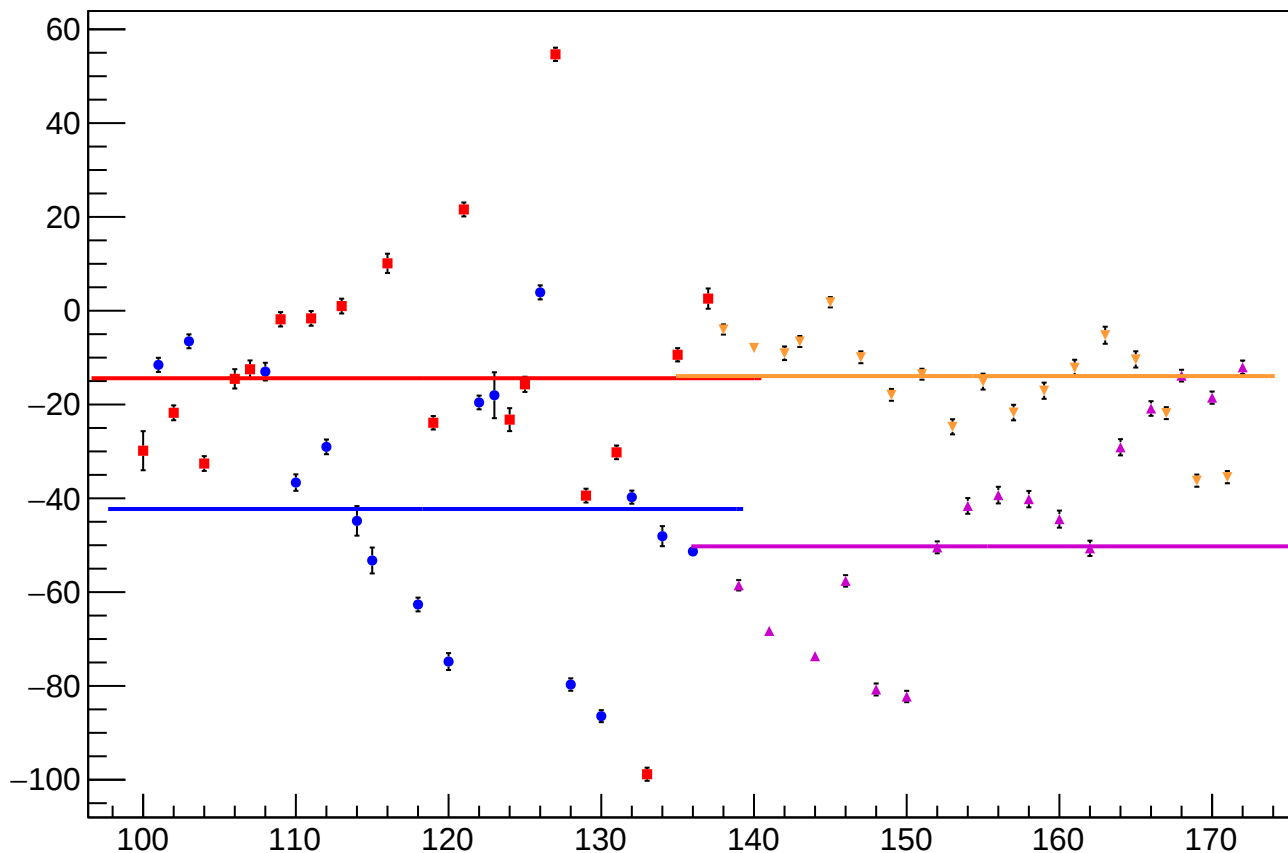
Left In: 1138.254+/-0.226 χ^2/NDF : 859124.5/16

+ sign 1083.189+/-0.173 χ^2/NDF : 1072415.3/34

All: 1089.125+/-0.123 χ^2/NDF : 2082792.8/70

- sign 1095.148+/-0.174 χ^2/NDF : 1008005.7/35

diff_bpm2i02X_mean vs Slug



Right In: -42.278 ± 0.387 χ^2/NDF : 5126.8/16

Left Out: -13.938 ± 0.317 χ^2/NDF : 1096.9/17

Right Out: -14.393 ± 0.378 χ^2/NDF : 7669.8/18

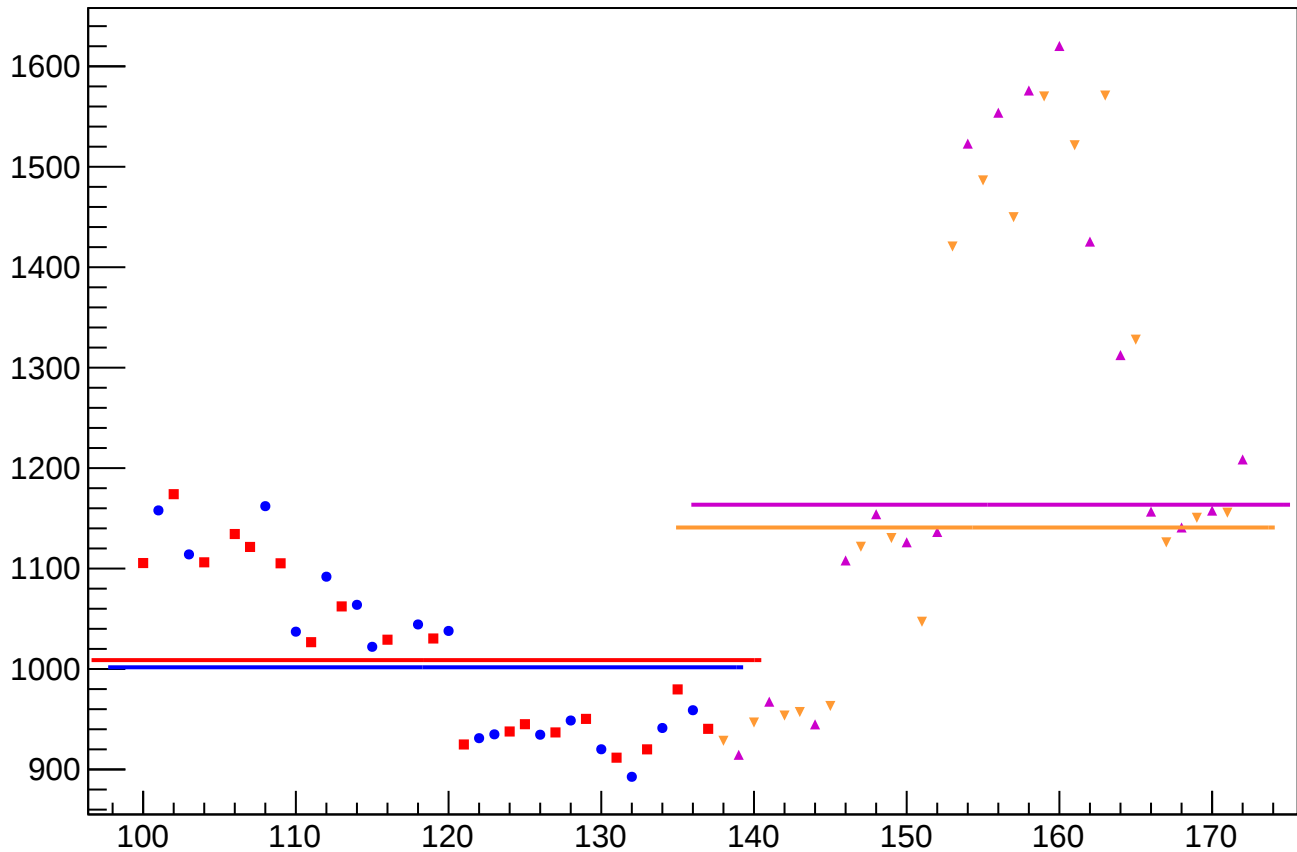
Left In: -50.239 ± 0.326 χ^2/NDF : 4935.8/16

+ sign -25.311 ± 0.245 χ^2/NDF : 9432.3/34

All: -30.093 ± 0.174 χ^2/NDF : 27948.7/70

- sign -34.950 ± 0.247 χ^2/NDF : 17750.1/35

diff_bpm2i02X_rms vs Slug



Right In: 1001.706 $\pm$ 0.274 χ^2 /NDF: 95480.0/16

Left Out: 1140.877 $\pm$ 0.224 χ^2 /NDF: 861613.0/17

Right Out: 1008.848 $\pm$ 0.268 χ^2 /NDF: 95349.9/18

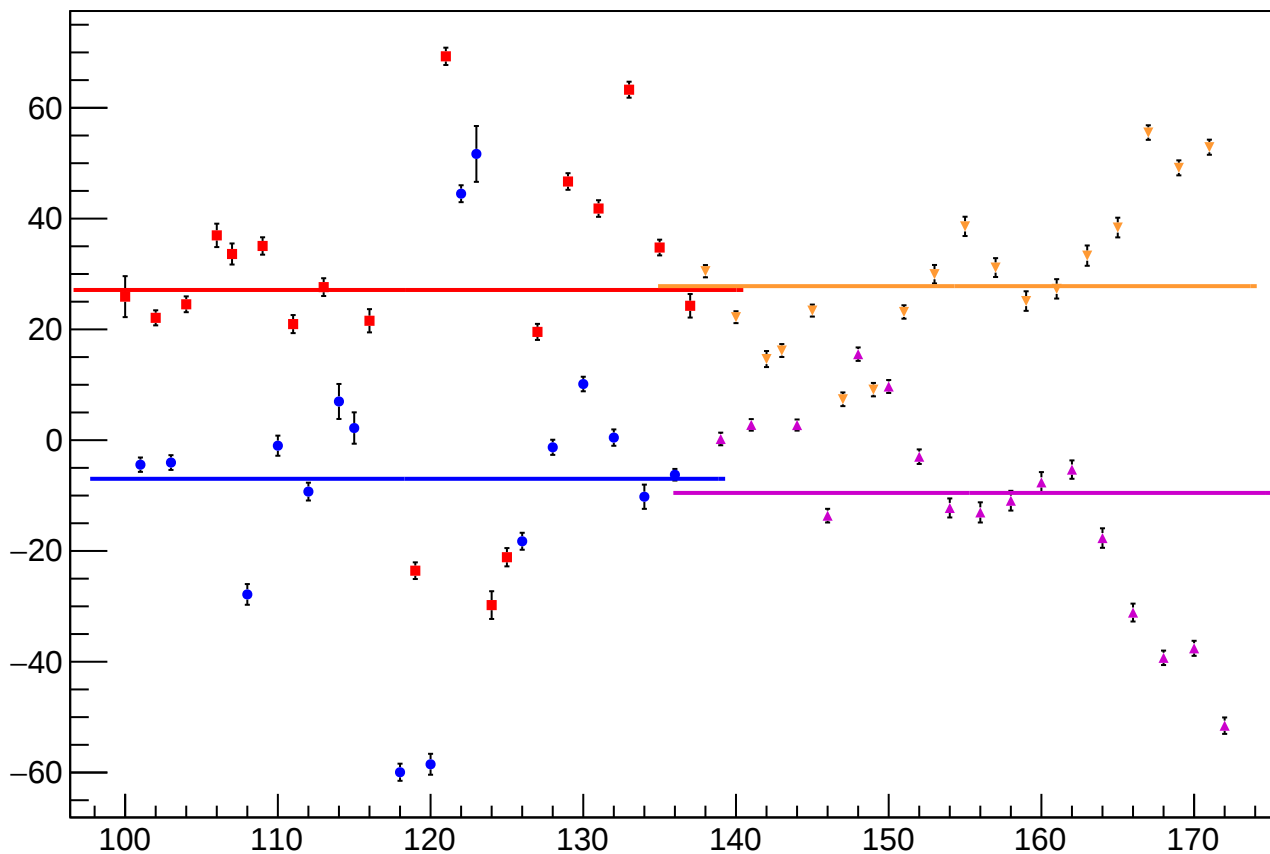
Left In: 1163.561 $\pm$ 0.231 χ^2 /NDF: 764817.2/16

+ sign 1085.027 $\pm$ 0.173 χ^2 /NDF: 1111842.6/34

All: 1091.250 $\pm$ 0.123 χ^2 /NDF: 2166275.5/70

- sign 1097.572 $\pm$ 0.175 χ^2 /NDF: 1051836.9/35

diff_bpm2i02Y_mean vs Slug



Right In: -6.974 ± 0.388 χ^2/NDF : 3636.9/16

Left Out: 27.807 ± 0.321 χ^2/NDF : 1877.7/17

Right Out: 27.116 ± 0.380 χ^2/NDF : 4283.5/18

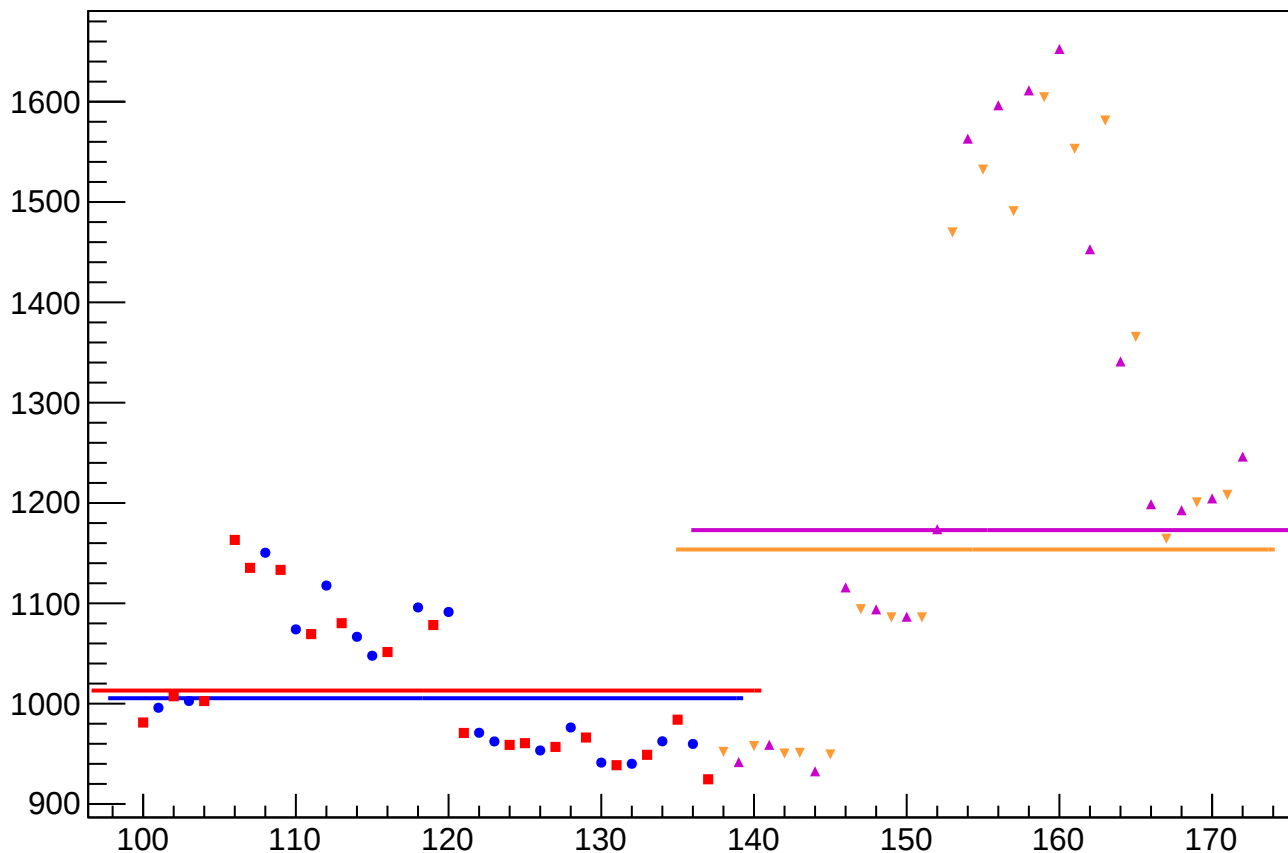
Left In: -9.523 ± 0.329 χ^2/NDF : 3054.4/16

+ sign 13.678 ± 0.247 χ^2/NDF : 10287.2/34

All: 9.971 ± 0.175 χ^2/NDF : 23391.1/70

- sign 6.218 ± 0.249 χ^2/NDF : 12651.6/35

diff_bpm2i02Y_rms vs Slug



Right In: 1005.409 $\pm$ 0.274 χ^2 /NDF: 54586.0/16

Left Out: 1153.652 $\pm$ 0.227 χ^2 /NDF: 942728.4/17

Right Out: 1013.064 $\pm$ 0.268 χ^2 /NDF: 63265.7/18

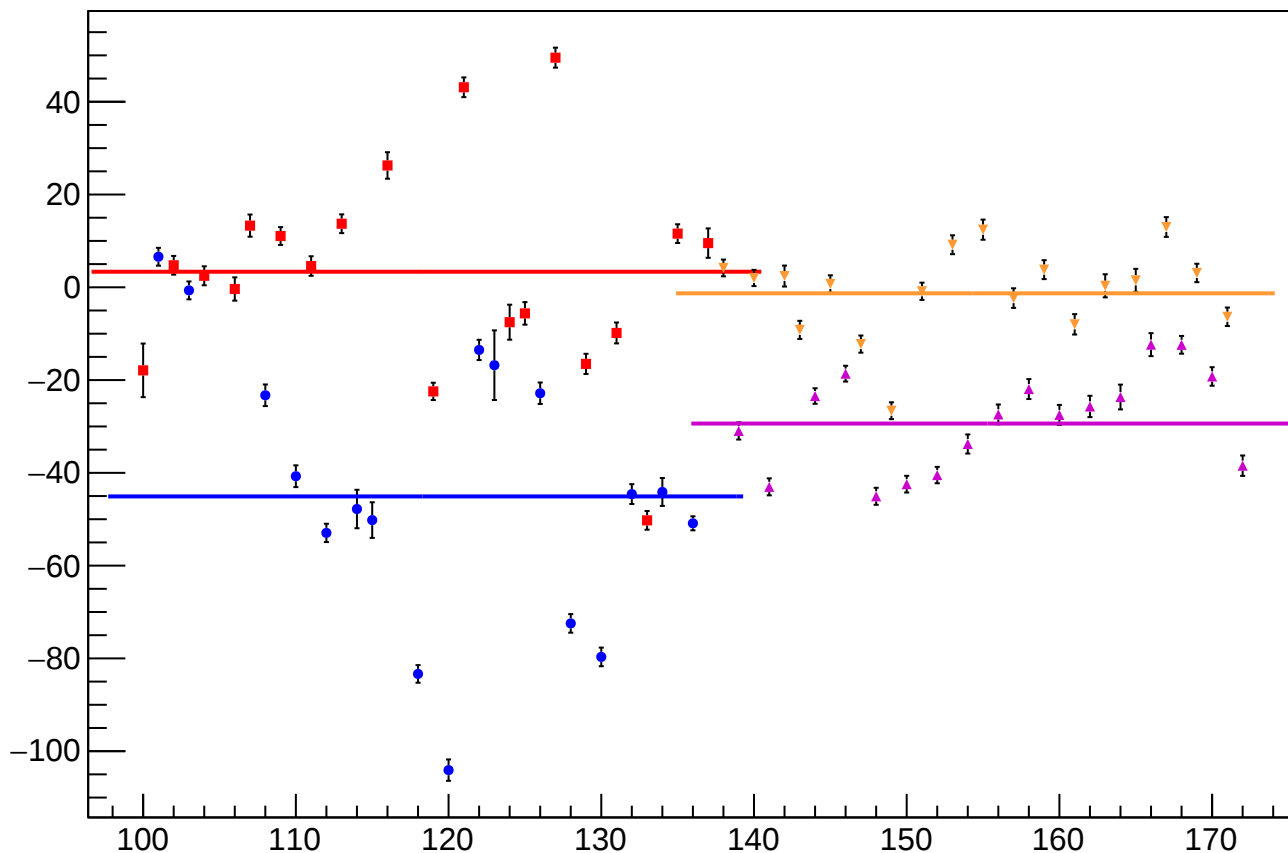
Left In: 1172.973 $\pm$ 0.233 χ^2 /NDF: 851778.6/16

+ sign 1093.433 $\pm$ 0.175 χ^2 /NDF: 1170712.1/34

All: 1098.818 $\pm$ 0.124 χ^2 /NDF: 2290106.7/70

- sign 1104.271 $\pm$ 0.176 χ^2 /NDF: 1117485.6/35

diff_bpm0i02X_mean vs Slug



Right In: -45.081+/-0.540 χ^2/NDF : 3238.1/16

Left Out: -1.297+/-0.475 χ^2/NDF : 402.9/17

Right Out: 3.358+/-0.522 χ^2/NDF : 2005.7/18

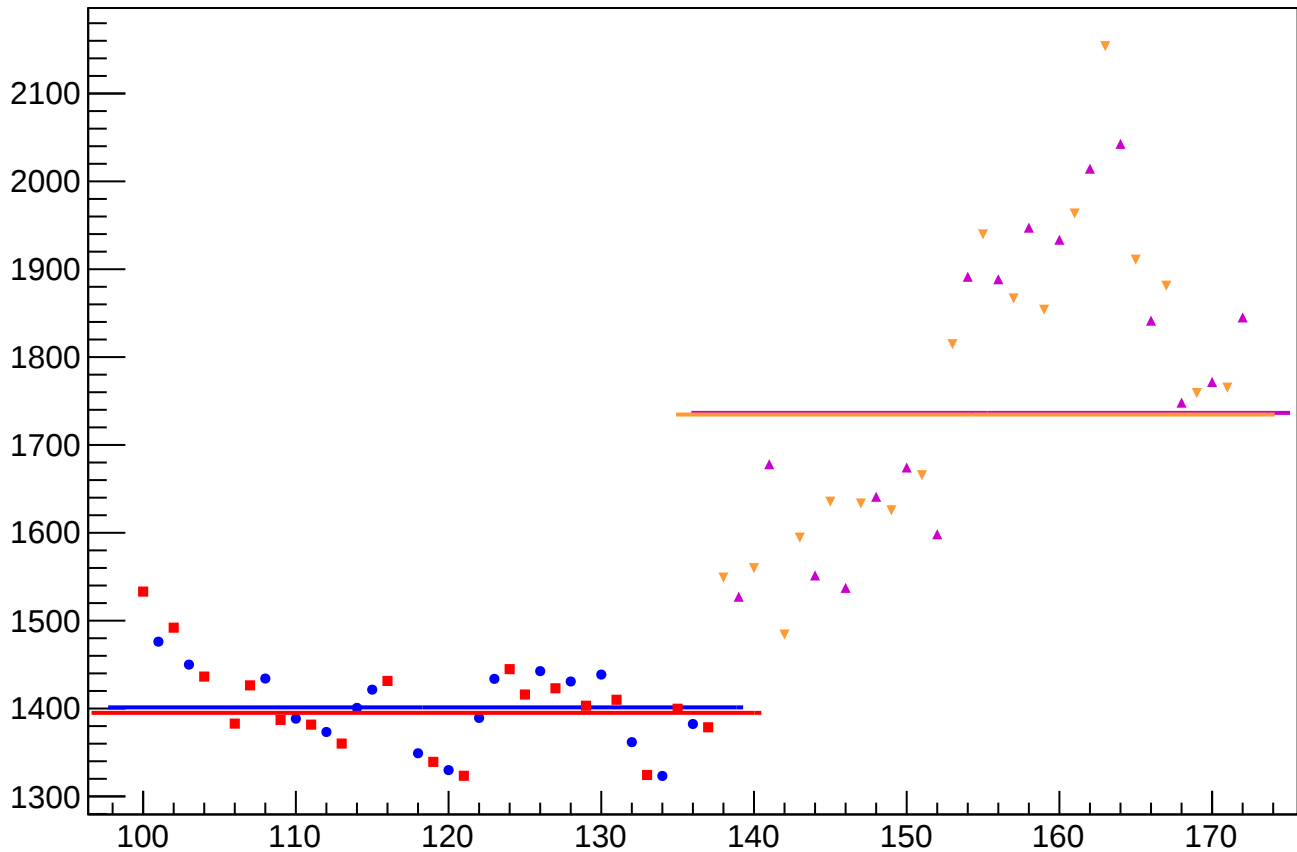
Left In: -29.371+/-0.481 χ^2/NDF : 468.2/16

+ sign -20.395+/-0.356 χ^2/NDF : 7351.7/34

All: -17.344+/-0.251 χ^2/NDF : 12098.4/70

- sign -14.342+/-0.354 χ^2/NDF : 4601.3/35

diff_bpm0i02X_rms vs Slug



Right In: 1401.307+/-0.382 χ^2/NDF : 12852.1/16

Left Out: 1734.602+/-0.336 χ^2/NDF : 231694.0/17

Right Out: 1395.105+/-0.369 χ^2/NDF : 15520.0/18

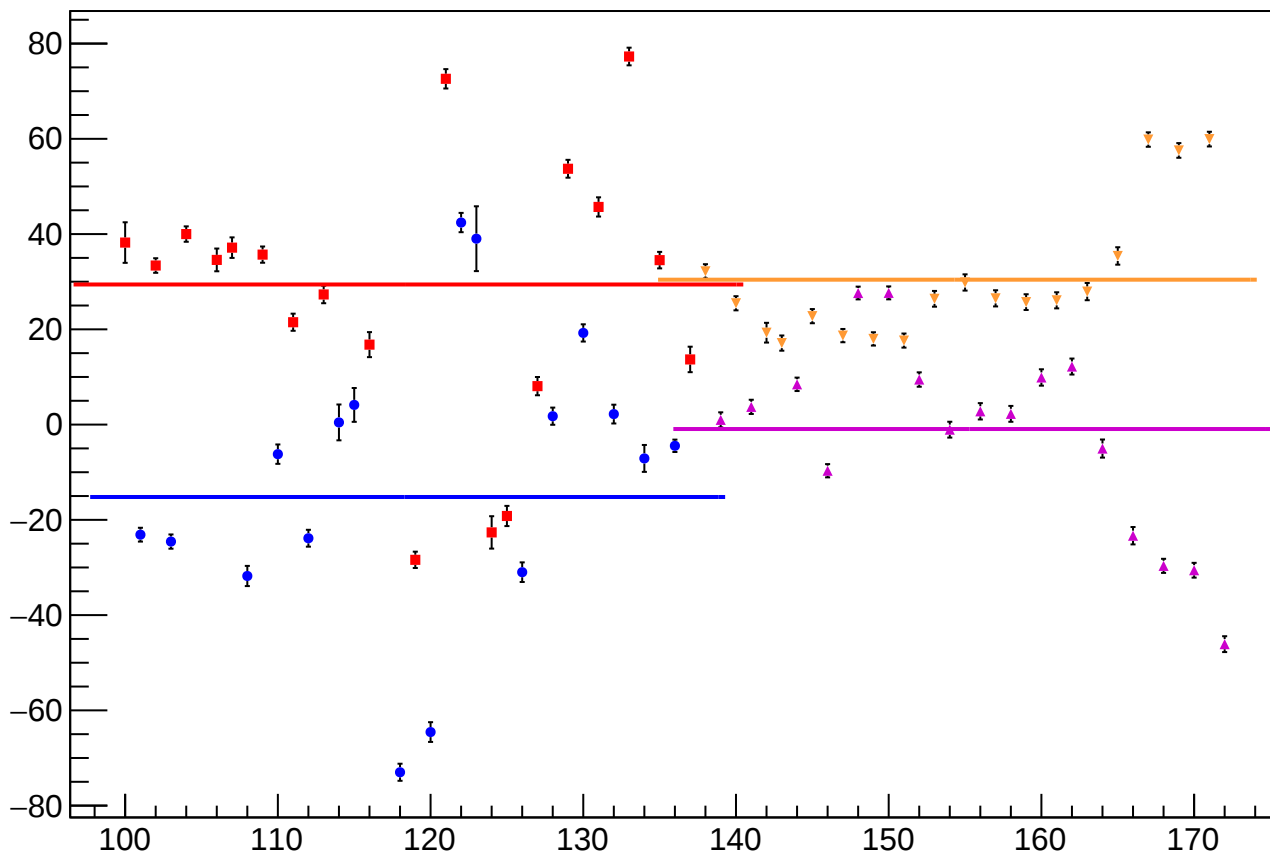
Left In: 1736.504+/-0.340 χ^2/NDF : 221334.2/16

+ sign 1589.222+/-0.252 χ^2/NDF : 674602.0/34

All: 1584.440+/-0.178 χ^2/NDF : 1375146.5/70

- sign 1579.733+/-0.250 χ^2/NDF : 699830.2/35

diff_bpm0i02Y_mean vs Slug



Right In: -15.202 ± 0.472 χ^2/NDF : 3362.5/16

Left Out: 30.425 ± 0.375 χ^2/NDF : 1447.8/17

Right Out: 29.418 ± 0.456 χ^2/NDF : 3544.8/18

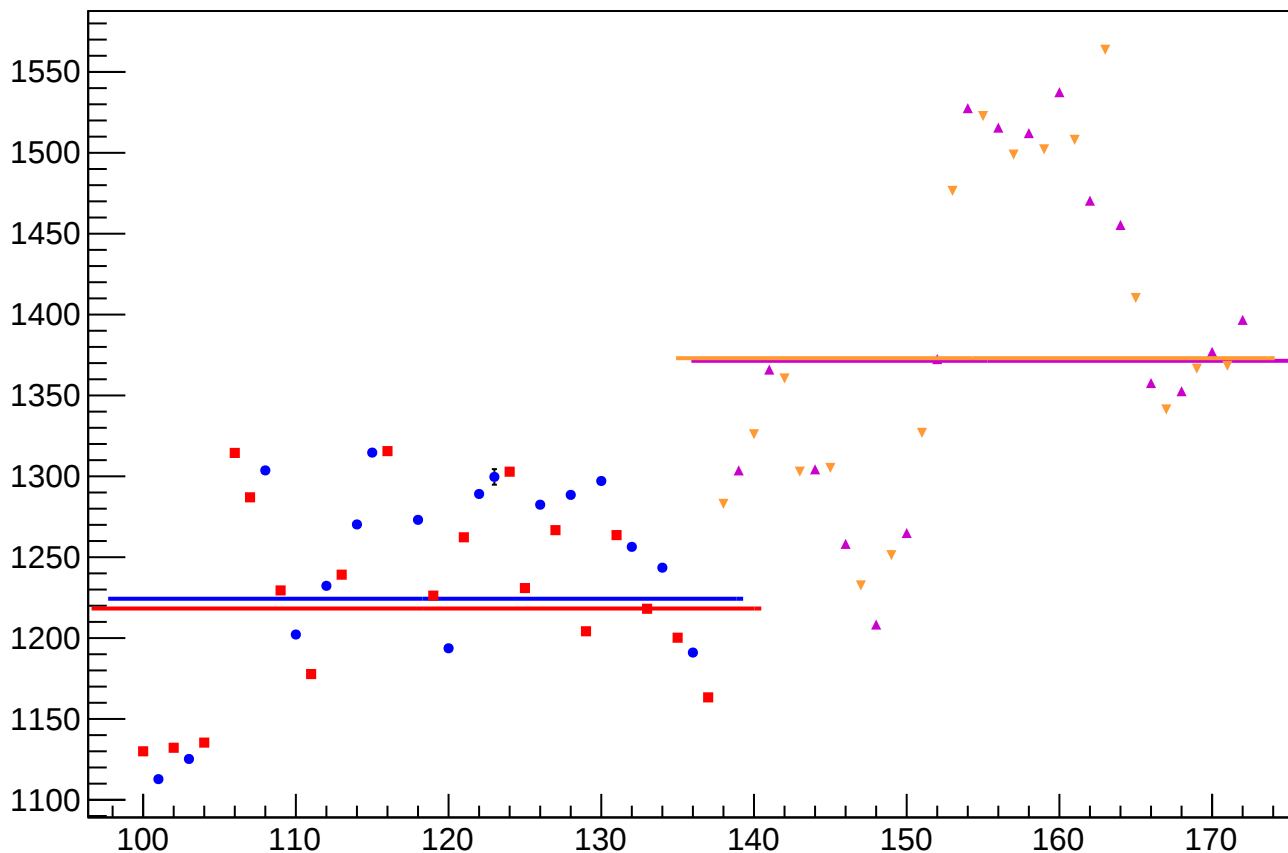
Left In: -0.929 ± 0.379 χ^2/NDF : 2780.6/16

+ sign 12.771 ± 0.294 χ^2/NDF : 10536.4/34

All: 12.110 ± 0.207 χ^2/NDF : 19490.7/70

- sign 11.459 ± 0.291 χ^2/NDF : 8944.2/35

diff_bpm0i02Y_rms vs Slug



Right In: 1224.320+/-0.334 χ^2/NDF : 38778.2/16

Left Out: 1373.034+/-0.265 χ^2/NDF : 137982.3/17

Right Out: 1218.276+/-0.323 χ^2/NDF : 27572.9/18

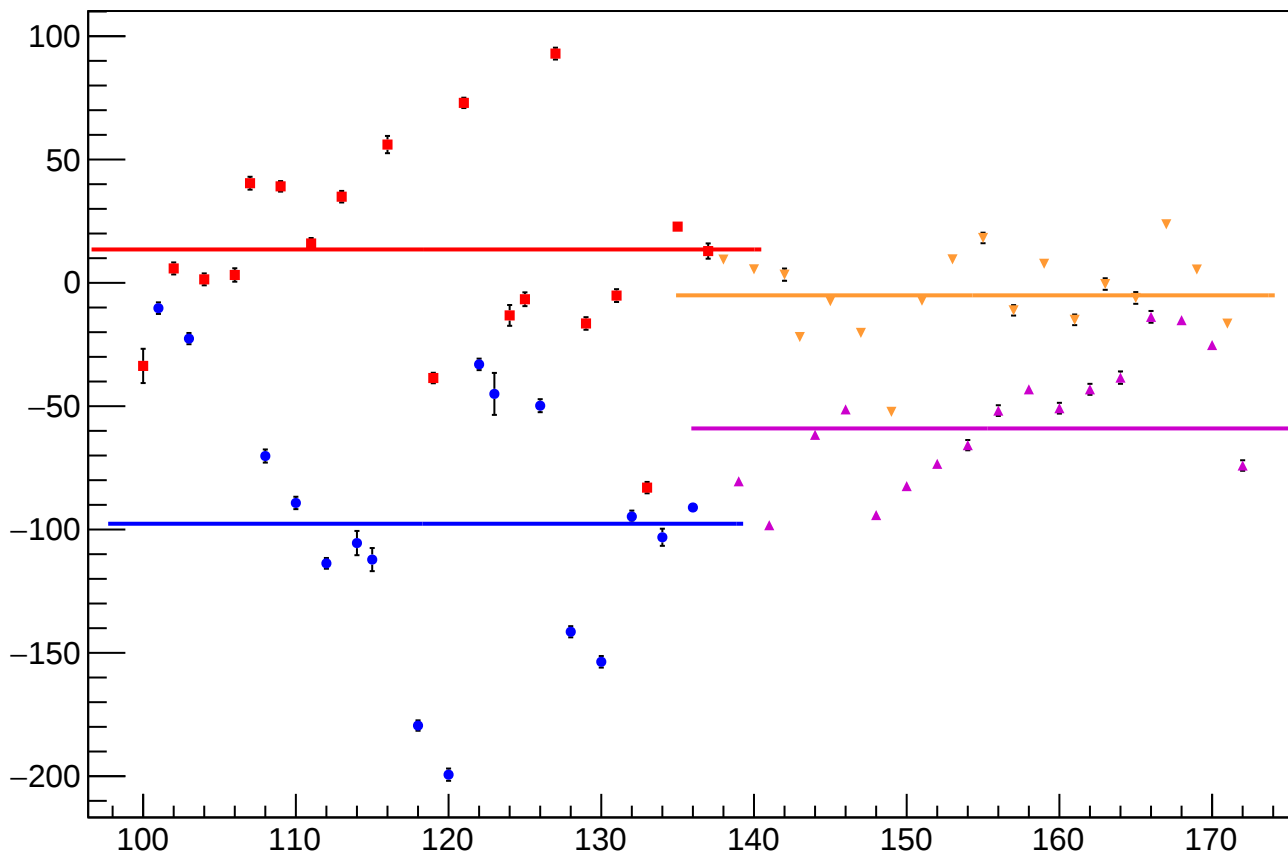
Left In: 1371.420+/-0.268 χ^2/NDF : 139697.0/16

+ sign 1315.494+/-0.208 χ^2/NDF : 298424.2/34

All: 1312.174+/-0.146 χ^2/NDF : 599582.2/70

- sign 1308.903+/-0.206 χ^2/NDF : 300650.4/35

diff_bpm0i02aX_mean vs Slug



Right In: -97.657 ± 0.601 χ^2/NDF : 7936.6/16

Left Out: -5.061 ± 0.472 χ^2/NDF : 1432.8/17

Right Out: 13.538 ± 0.579 χ^2/NDF : 5128.2/18

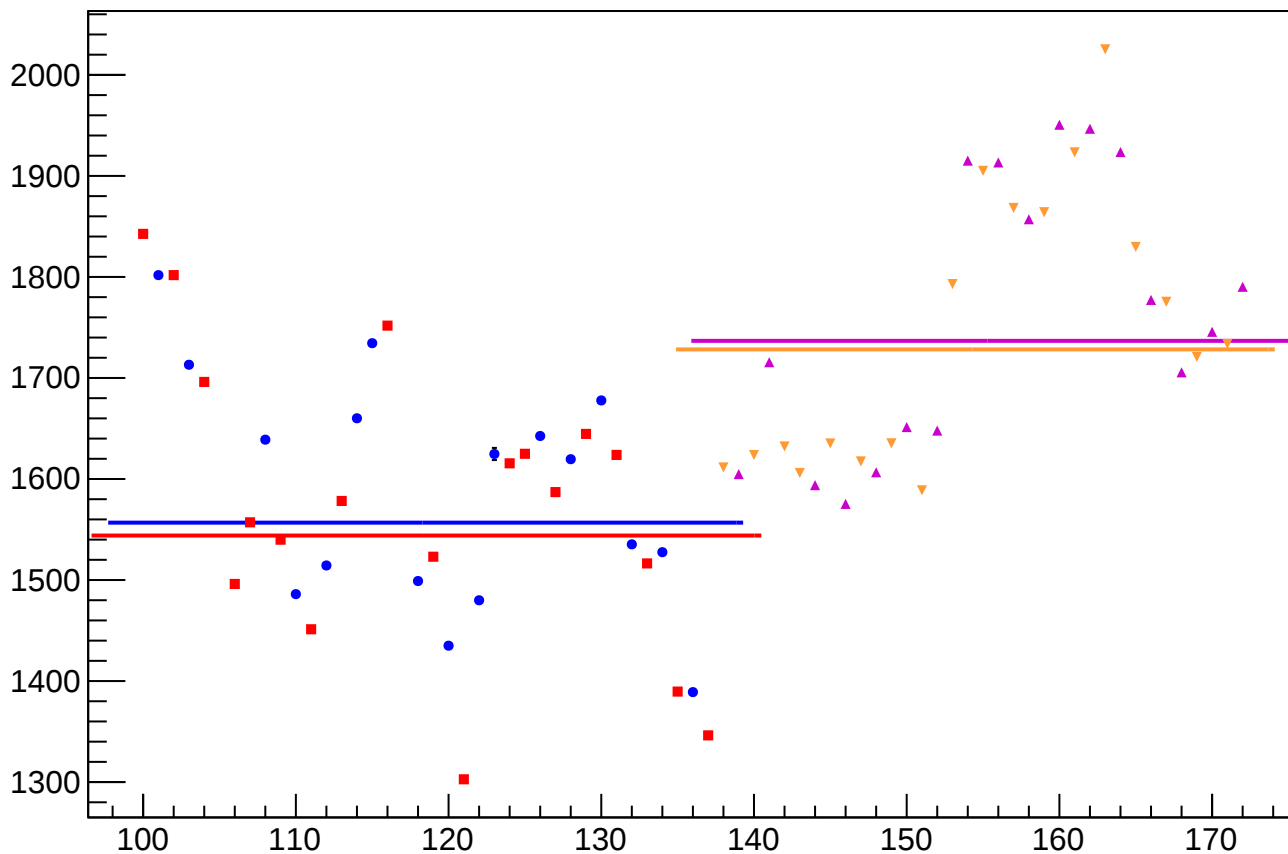
Left In: -59.023 ± 0.480 χ^2/NDF : 2674.7/16

+ sign -40.387 ± 0.371 χ^2/NDF : 24035.5/34

All: -34.913 ± 0.262 χ^2/NDF : 41572.3/70

- sign -29.492 ± 0.370 χ^2/NDF : 17104.5/35

diff_bpm0i02aX_rms vs Slug



Right In: 1556.799 $\pm$ 0.425 χ^2 /NDF: 81549.2/16

Left Out: 1728.272 $\pm$ 0.334 χ^2 /NDF: 141478.7/17

Right Out: 1544.034 $\pm$ 0.410 χ^2 /NDF: 100501.7/18

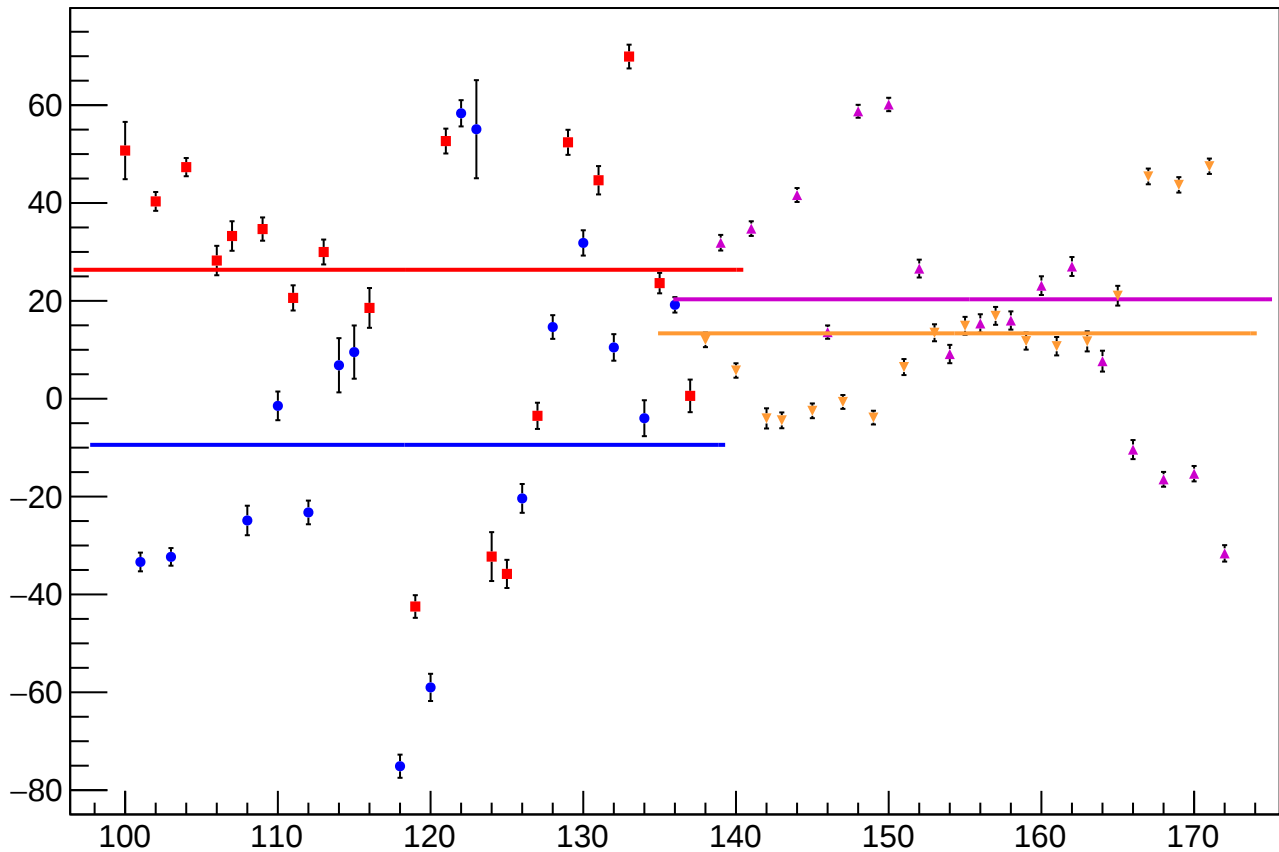
Left In: 1736.756 $\pm$ 0.339 χ^2 /NDF: 145708.9/16

+ sign 1662.855 $\pm$ 0.263 χ^2 /NDF: 323616.3/34

All: 1660.577 $\pm$ 0.185 χ^2 /NDF: 701209.1/70

- sign 1658.321 $\pm$ 0.261 χ^2 /NDF: 377443.1/35

diff_bpm0i02aY_mean vs Slug



Right In: -9.427 ± 0.626 χ^2/NDF : 2924.1/16

Left Out: 13.360 ± 0.390 χ^2/NDF : 1859.0/17

Right Out: 26.354 ± 0.603 χ^2/NDF : 2472.1/18

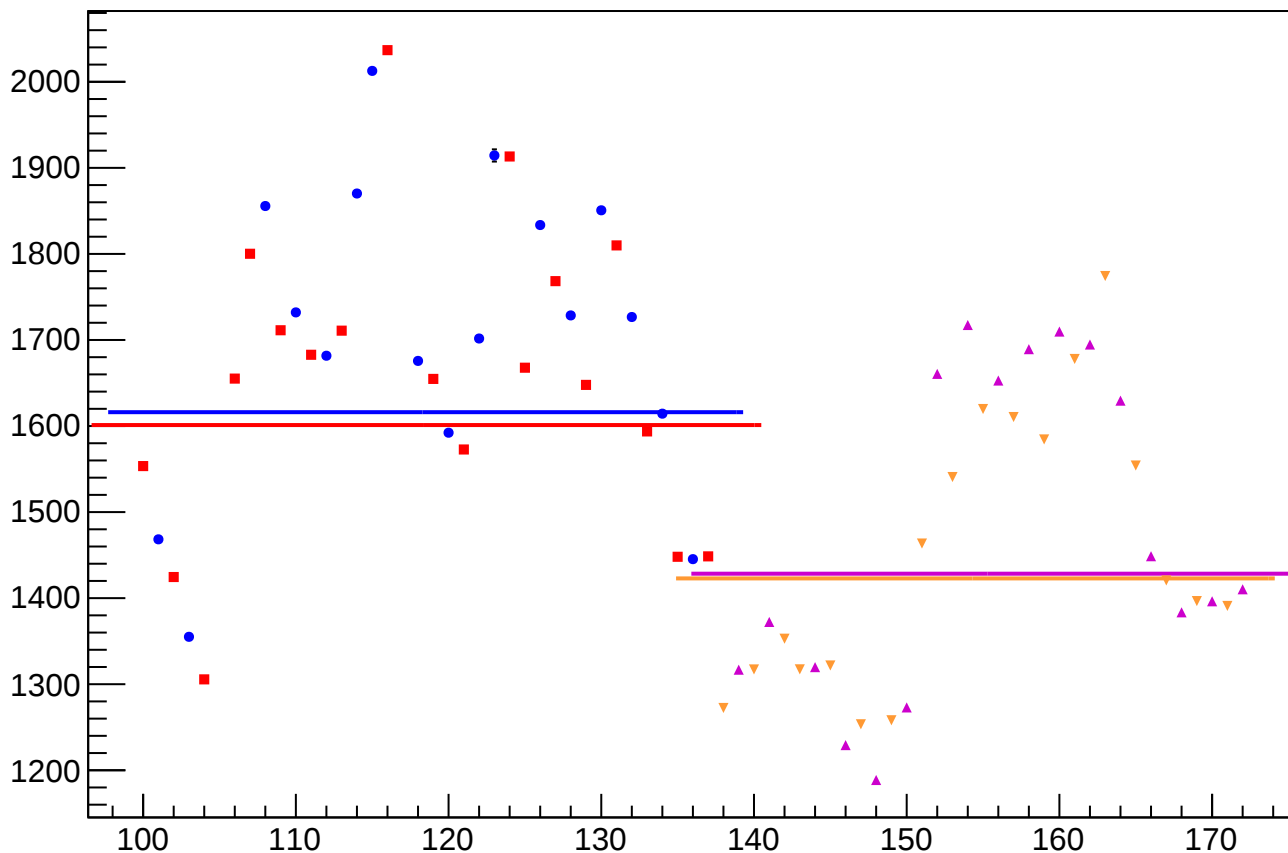
Left In: 20.318 ± 0.397 χ^2/NDF : 4499.4/16

+ sign 6.992 ± 0.331 χ^2/NDF : 5736.5/34

All: 14.560 ± 0.234 χ^2/NDF : 13823.5/70

- sign 22.144 ± 0.332 χ^2/NDF : 7041.4/35

diff_bpm0i02aY_rms vs Slug



Right In: 1616.094 ± 0.443 $\chi^2/\text{NDF}: 149596.3/16$

Left Out: 1422.931 ± 0.276 $\chi^2/\text{NDF}: 284101.6/17$

Right Out: 1601.134 ± 0.426 $\chi^2/\text{NDF}: 153651.5/18$

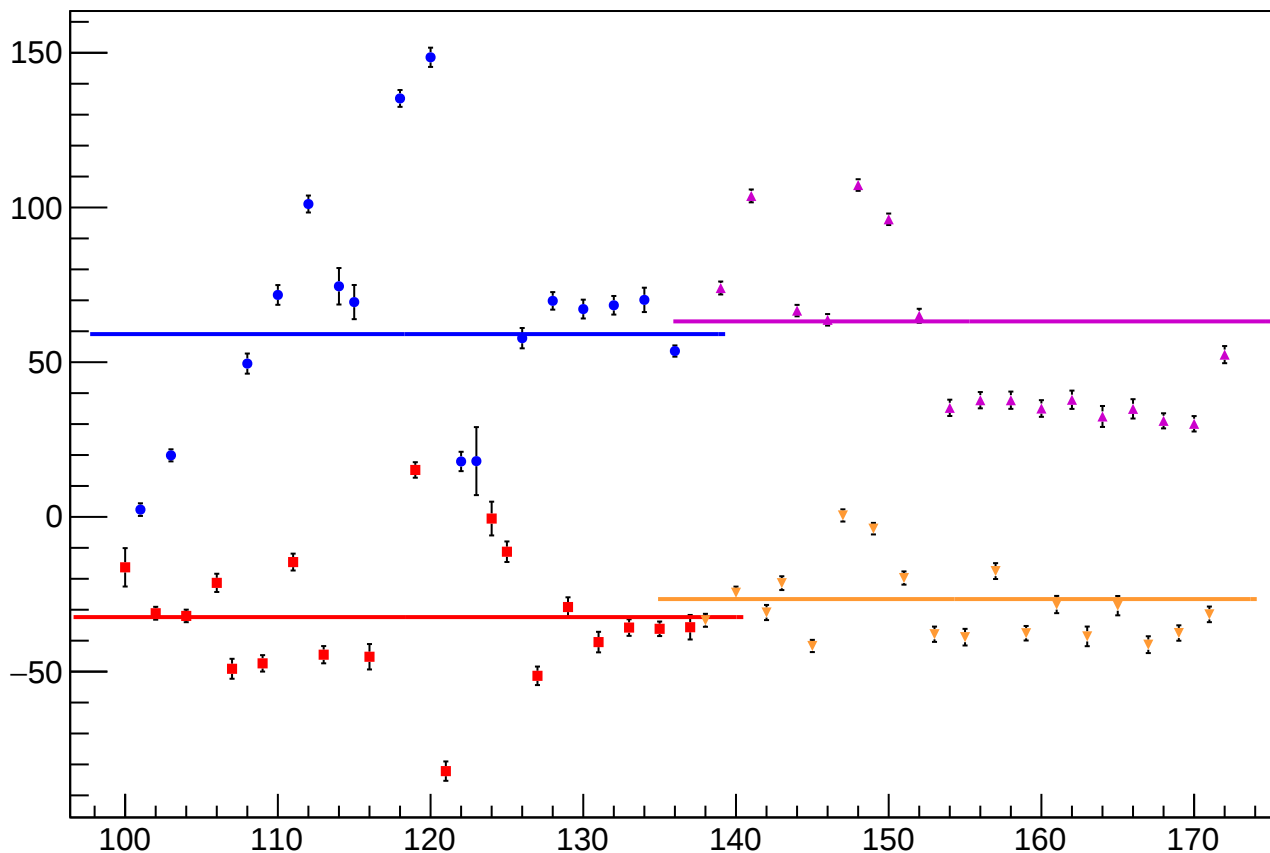
Left In: 1428.418 ± 0.281 $\chi^2/\text{NDF}: 408148.4/16$

+ sign 1476.915 ± 0.234 $\chi^2/\text{NDF}: 570706.3/34$

All: 1478.785 ± 0.166 $\chi^2/\text{NDF}: 1247166.7/70$

- sign 1480.658 ± 0.234 $\chi^2/\text{NDF}: 676332.9/35$

diff_bpm0i05X_mean vs Slug



Right In: 59.081 ± 0.699 χ^2/NDF : 3293.6/16

Left Out: -26.557 ± 0.551 χ^2/NDF : 570.3/17

Right Out: -32.382 ± 0.666 χ^2/NDF : 891.5/18

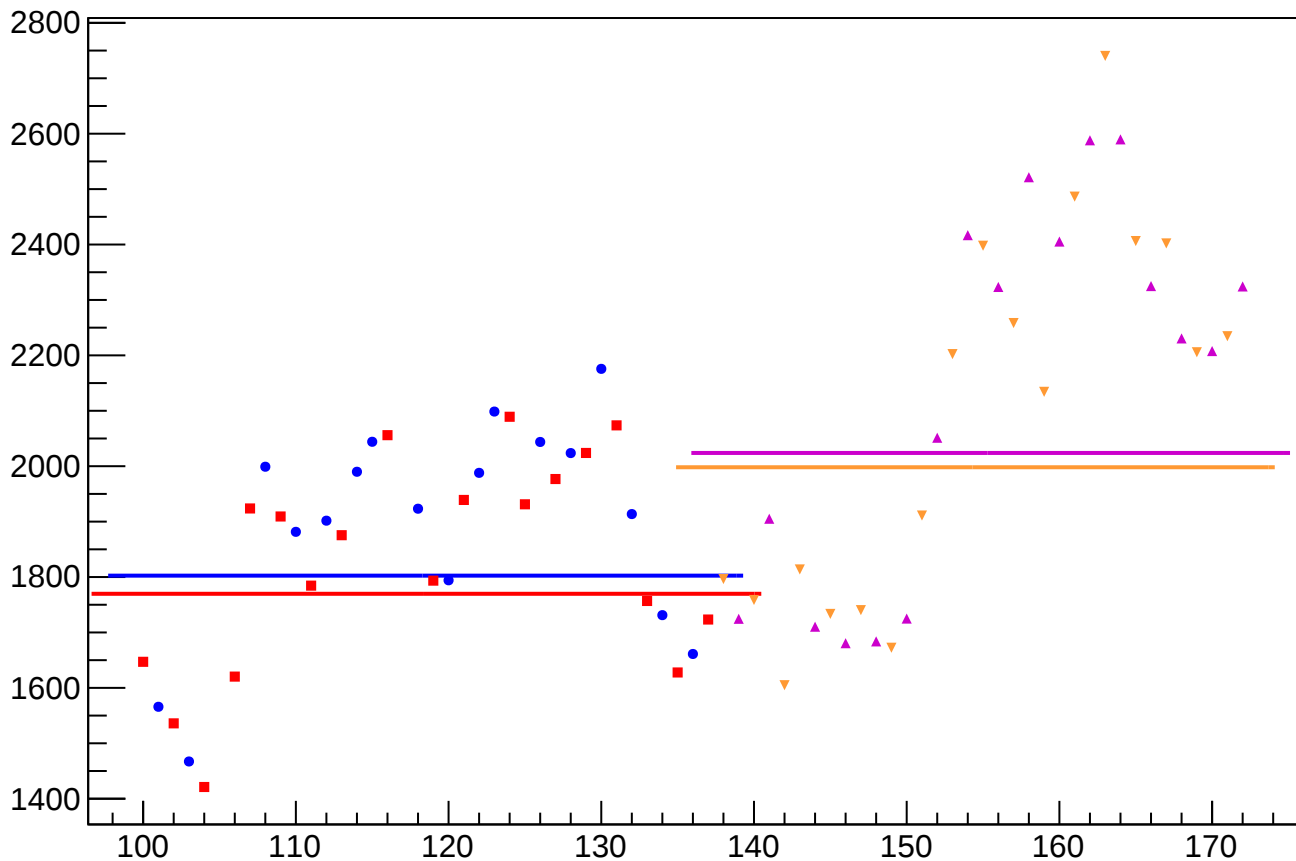
Left In: 63.186 ± 0.566 χ^2/NDF : 2277.9/16

+ sign 6.262 ± 0.433 χ^2/NDF : 13109.6/34

All: 14.757 ± 0.306 χ^2/NDF : 29000.2/70

- sign 23.182 ± 0.431 χ^2/NDF : 15123.9/35

diff_bpm0i05X_rms vs Slug



Right In: 1802.524+/-0.495 χ^2/NDF : 184069.0/16

Left Out: 1998.096+/-0.390 χ^2/NDF : 613042.5/17

Right Out: 1769.772+/-0.471 χ^2/NDF : 177893.4/18

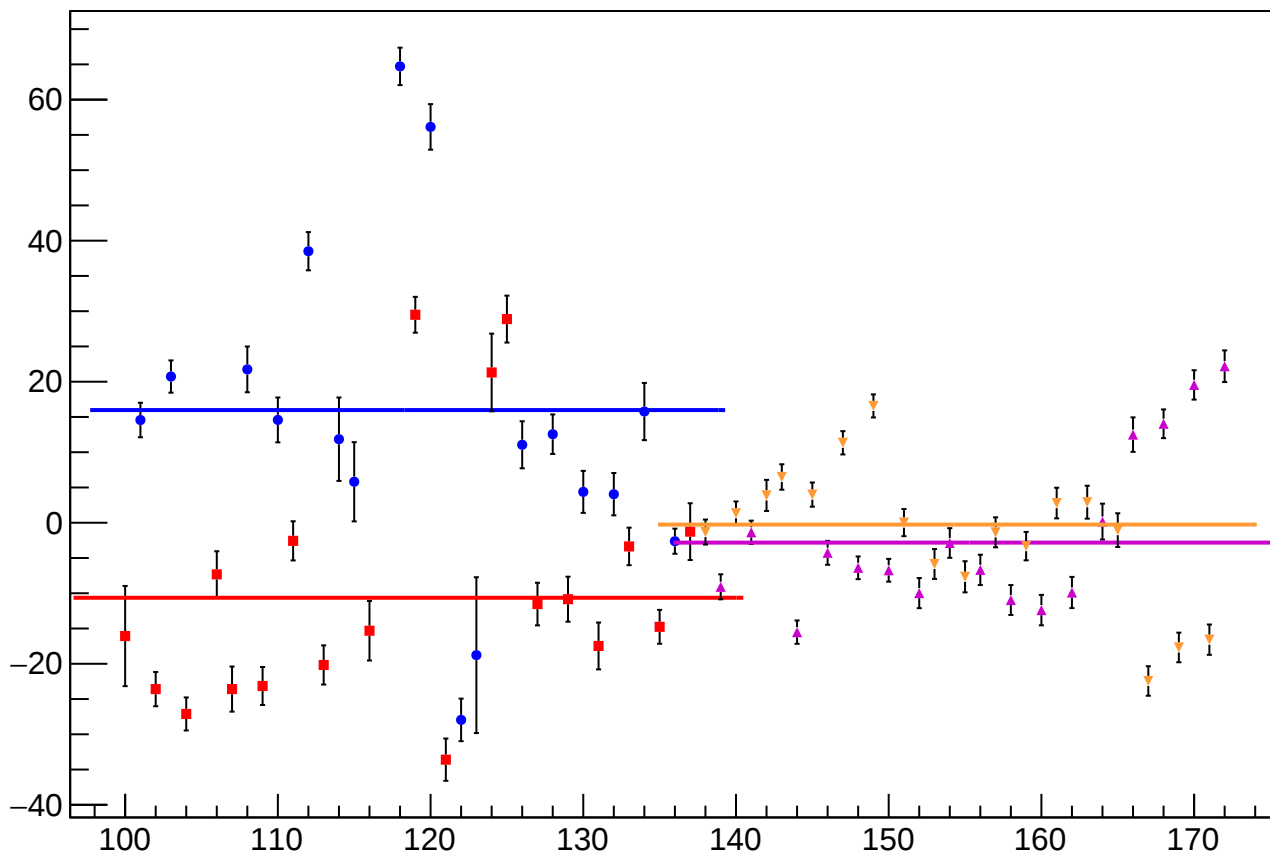
Left In: 2023.913+/-0.400 χ^2/NDF : 660588.6/16

+ sign 1923.149+/-0.306 χ^2/NDF : 893549.1/34

All: 1920.329+/-0.216 χ^2/NDF : 1901275.6/70

- sign 1917.532+/-0.305 χ^2/NDF : 1007557.6/35

diff_bpm0i05Y_mean vs Slug



Right In: 15.976 $\pm$ 0.722 χ^2 /NDF: 938.4/16

Left Out: -0.259 $\pm$ 0.462 χ^2 /NDF: 443.5/17

Right Out: -10.638 $\pm$ 0.693 χ^2 /NDF: 642.1/18

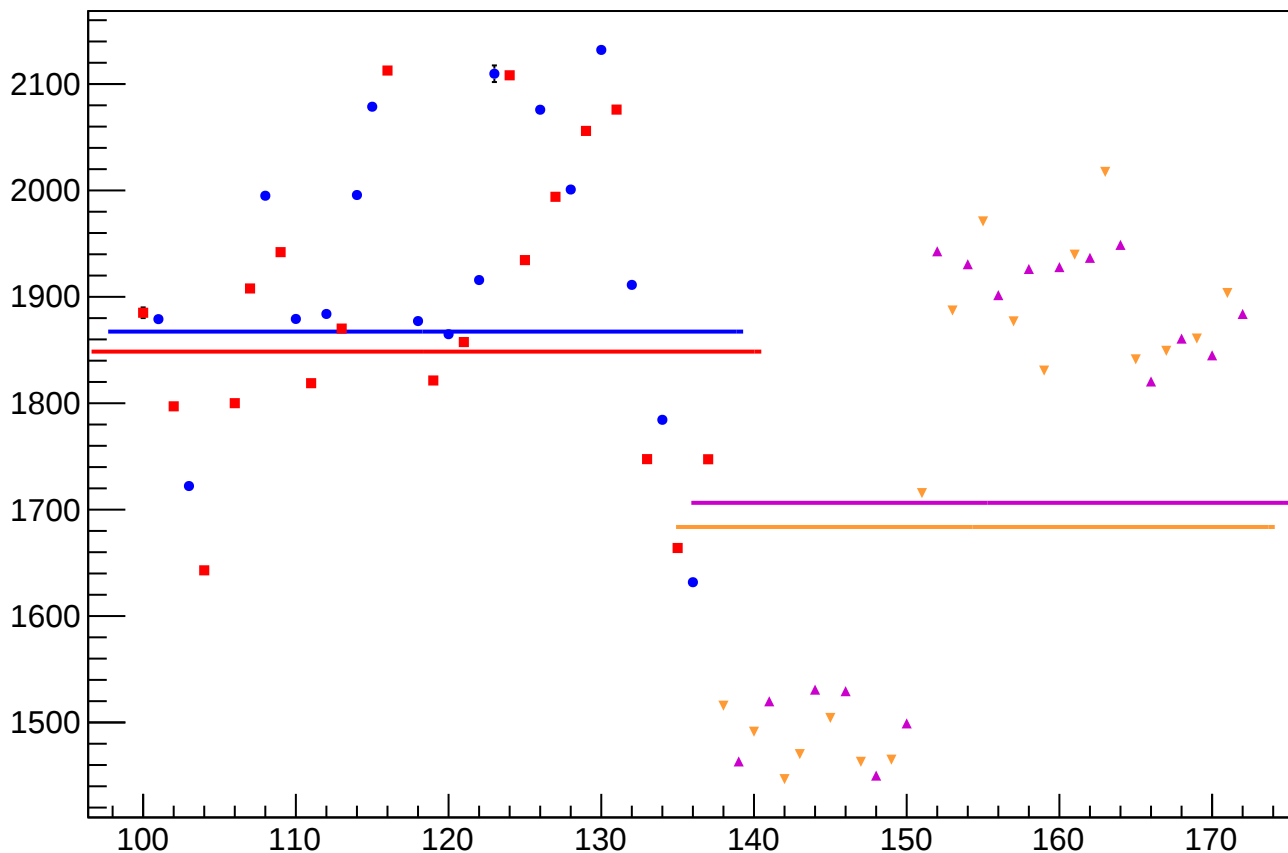
Left In: -2.817 $\pm$ 0.474 χ^2 /NDF: 491.5/16

+ sign 4.465 $\pm$ 0.389 χ^2 /NDF: 1740.7/34

All: -0.398 $\pm$ 0.276 χ^2 /NDF: 3274.6/70

- sign -5.305 $\pm$ 0.391 χ^2 /NDF: 1220.3/35

diff_bpm0i05Y_rms vs Slug



Right In: 1867.343 $\pm$ 0.510 χ^2 /NDF: 80926.4/16

Left Out: 1683.713 $\pm$ 0.327 χ^2 /NDF: 394067.9/17

Right Out: 1848.532 $\pm$ 0.490 χ^2 /NDF: 72527.3/18

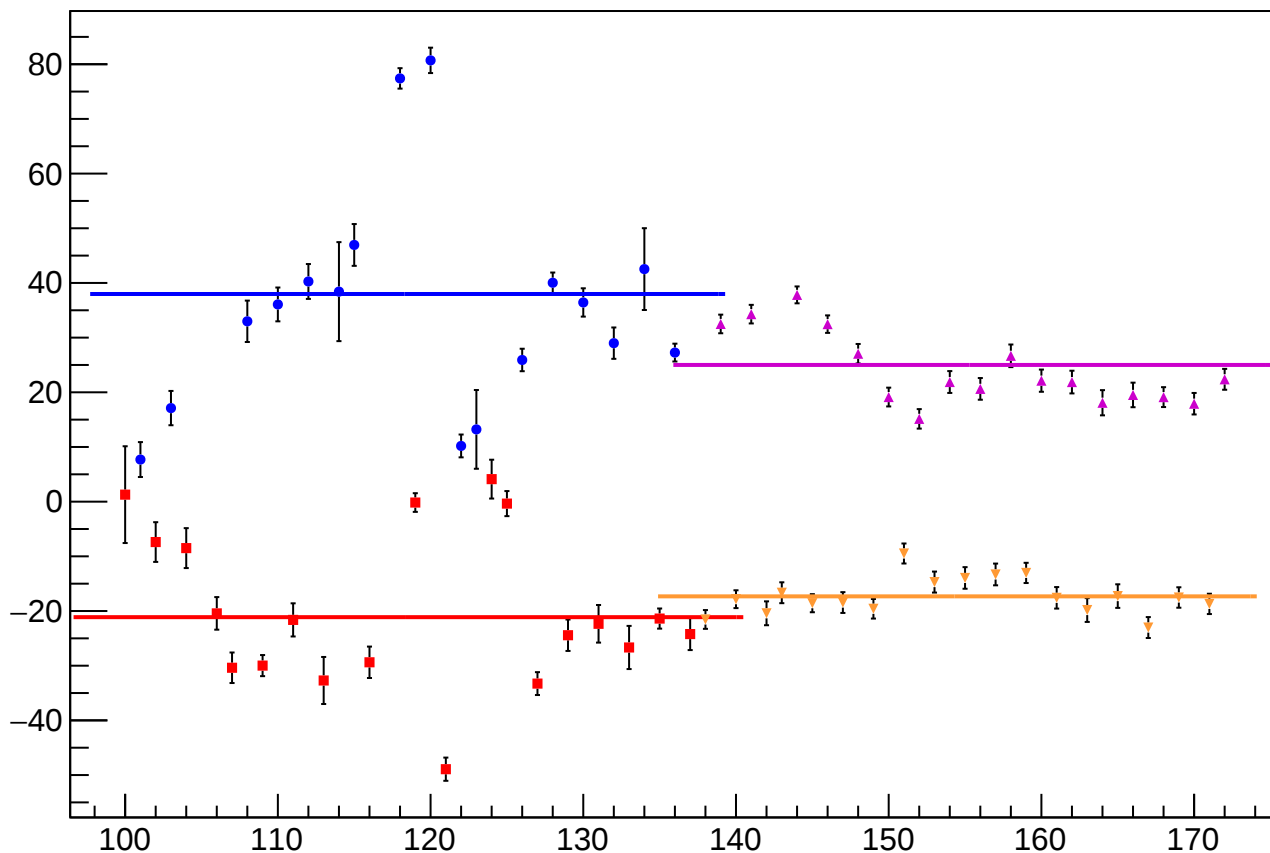
Left In: 1706.414 $\pm$ 0.335 χ^2 /NDF: 374256.0/16

+ sign 1737.150 $\pm$ 0.275 χ^2 /NDF: 566814.3/34

All: 1744.351 $\pm$ 0.195 χ^2 /NDF: 1072274.8/70

- sign 1751.615 $\pm$ 0.276 χ^2 /NDF: 504085.9/35

diff_bpm0i07X_mean vs Slug



Right In: 37.979 ± 0.637 χ^2/NDF : 1204.3/16

Left Out: -17.320 ± 0.445 χ^2/NDF : 54.2/17

Right Out: -21.124 ± 0.608 χ^2/NDF : 573.6/18

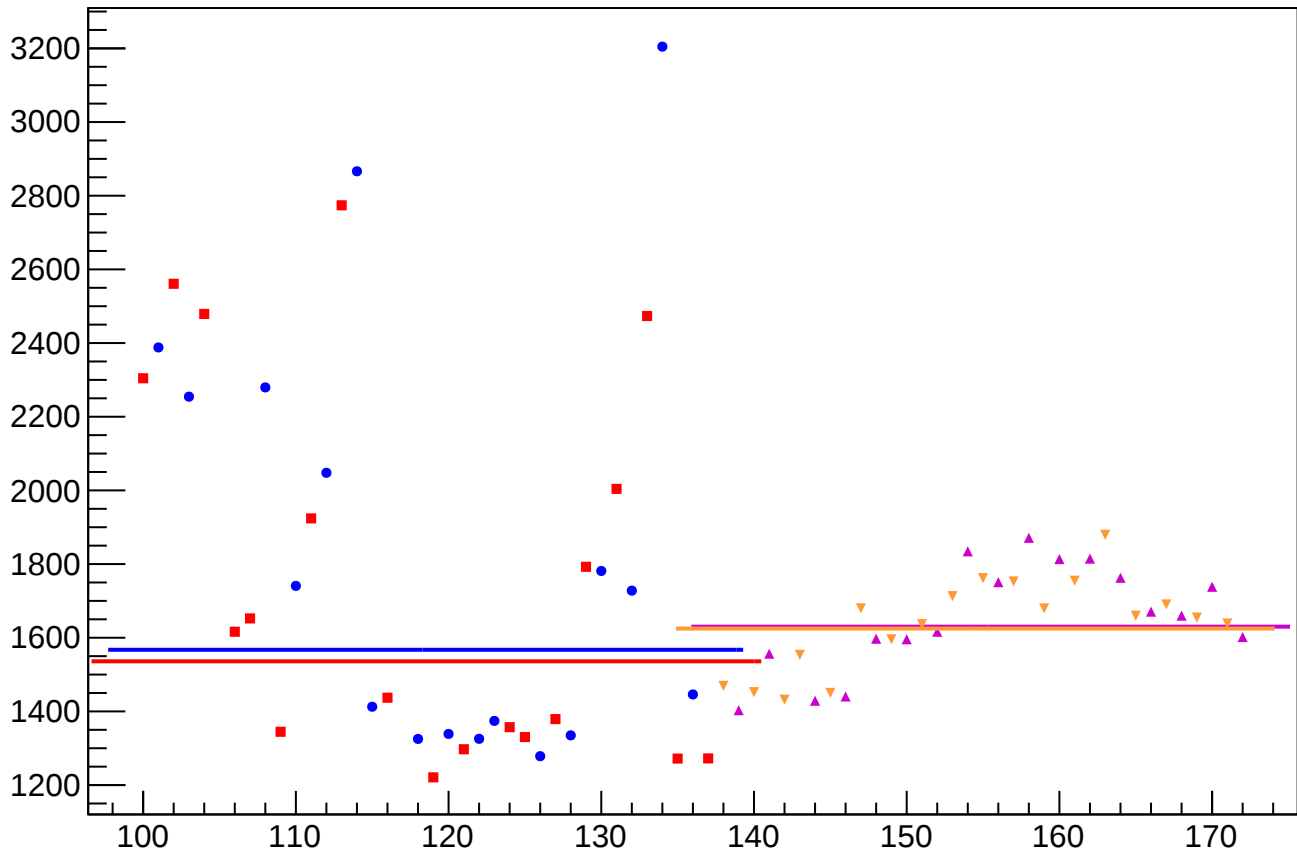
Left In: 25.003 ± 0.452 χ^2/NDF : 236.1/16

+ sign 0.777 ± 0.365 χ^2/NDF : 6322.5/34

All: 4.721 ± 0.257 χ^2/NDF : 11072.1/70

- sign 8.619 ± 0.363 χ^2/NDF : 4517.0/35

diff_bpm0i07X_rms vs Slug



Right In: 1567.328 $\pm$ 0.451 χ^2 /NDF: 673450.6/16

Left Out: 1624.968 $\pm$ 0.314 χ^2 /NDF: 145337.5/17

Right Out: 1535.967 $\pm$ 0.430 χ^2 /NDF: 882098.2/18

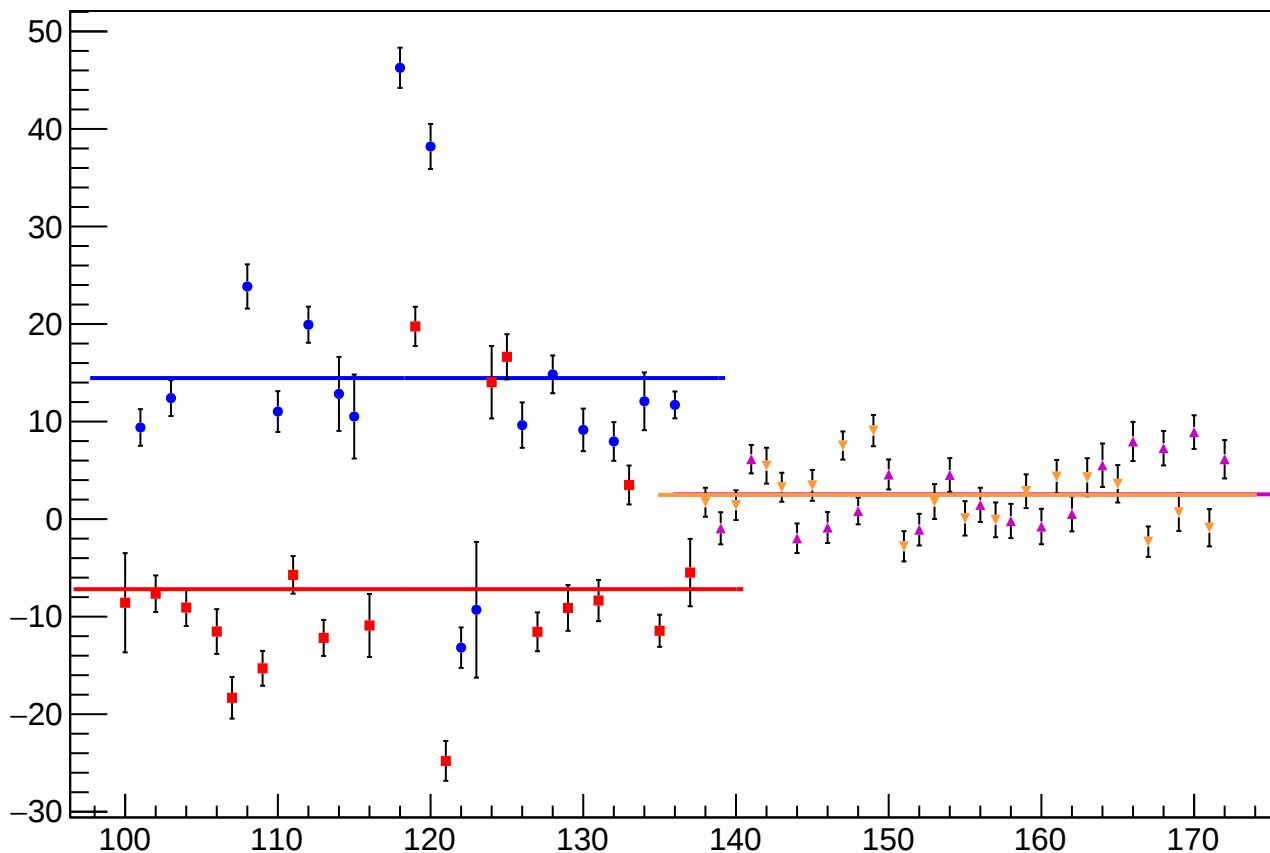
Left In: 1630.066 $\pm$ 0.319 χ^2 /NDF: 204964.5/16

+ sign 1606.105 $\pm$ 0.258 χ^2 /NDF: 829792.1/34

All: 1601.347 $\pm$ 0.182 χ^2 /NDF: 1948387.6/70

- sign 1596.644 $\pm$ 0.256 χ^2 /NDF: 1117918.4/35

diff_bpm0i07Y_mean vs Slug



Right In: 14.461 $\pm$ 0.523 χ^2 /NDF: 595.9/16

Left Out: 2.482 $\pm$ 0.394 χ^2 /NDF: 64.6/17

Right Out: -7.181 $\pm$ 0.494 χ^2 /NDF: 495.7/18

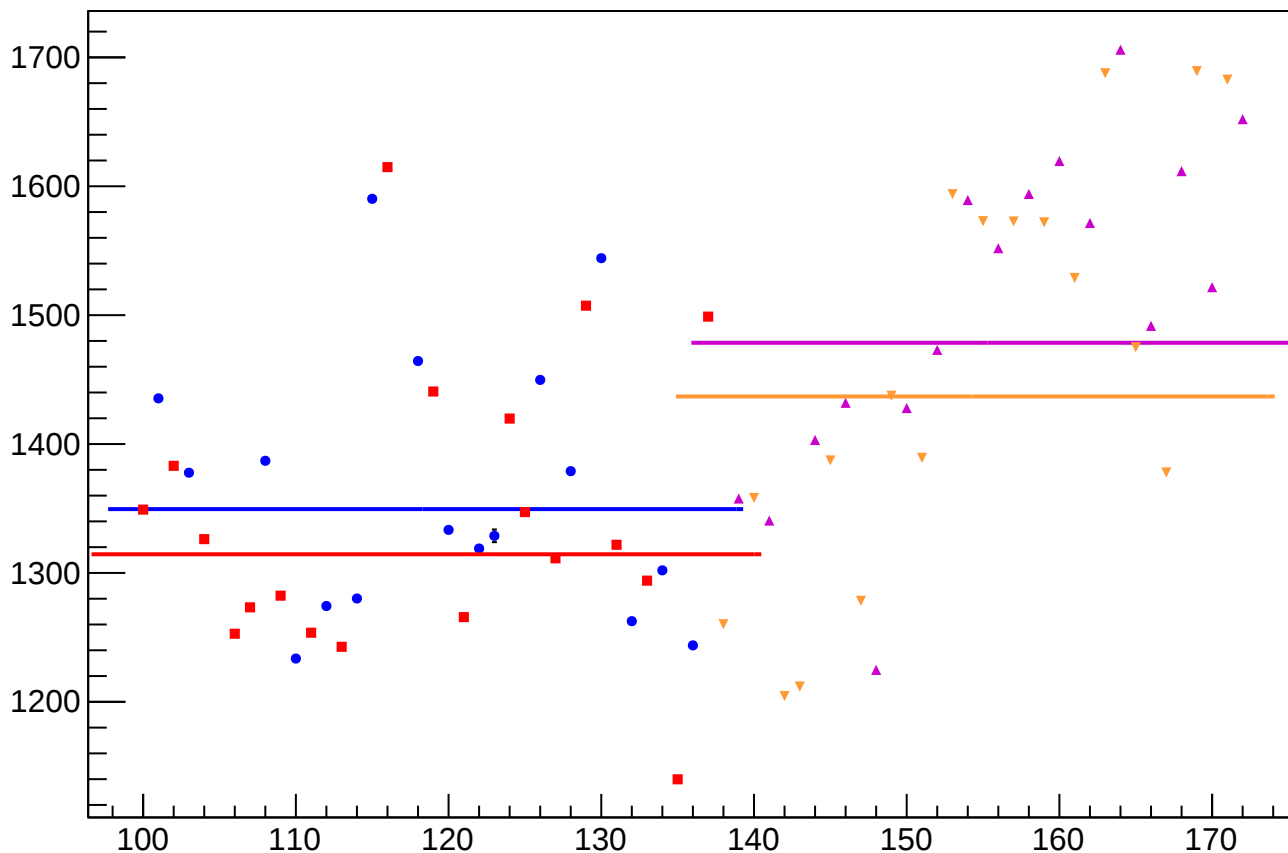
Left In: 2.541 $\pm$ 0.409 χ^2 /NDF: 74.2/16

+ sign 6.821 $\pm$ 0.315 χ^2 /NDF: 994.9/34

All: 2.709 $\pm$ 0.223 χ^2 /NDF: 2135.6/70

- sign -1.412 $\pm$ 0.315 χ^2 /NDF: 799.3/35

diff_bpm0i07Y_rms vs Slug



Right In: 1349.522 $\pm$ 0.370 χ^2 /NDF: 64667.6/16

Left Out: 1436.915 $\pm$ 0.279 χ^2 /NDF: 301079.2/17

Right Out: 1314.485 $\pm$ 0.350 χ^2 /NDF: 80952.7/18

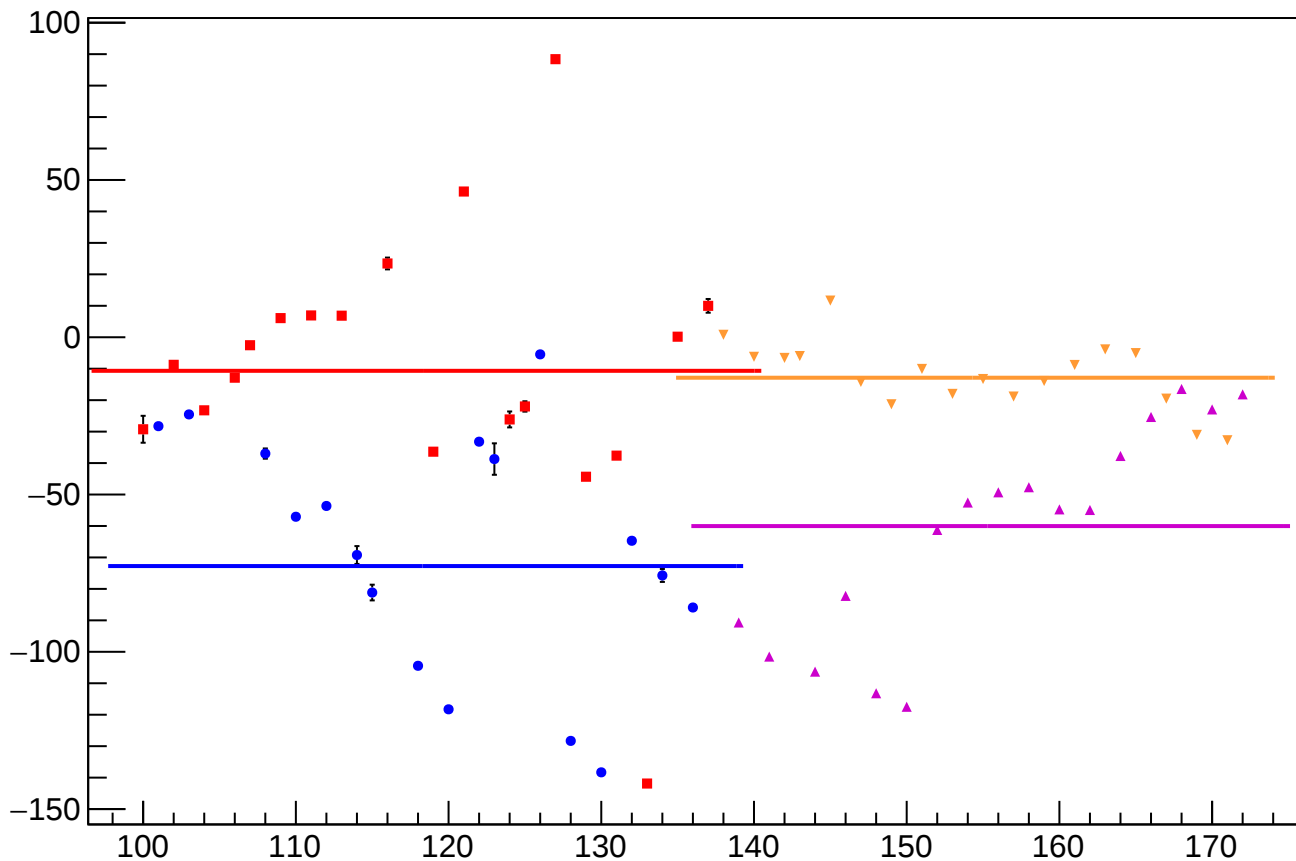
Left In: 1478.572 $\pm$ 0.289 χ^2 /NDF: 193736.2/16

+ sign 1405.260 $\pm$ 0.223 χ^2 /NDF: 401335.8/34

All: 1408.546 $\pm$ 0.158 χ^2 /NDF: 807188.0/70

- sign 1411.841 $\pm$ 0.223 χ^2 /NDF: 405415.9/35

diff_bpm1i02X_mean vs Slug



Right In: -72.741 ± 0.362 $\chi^2/\text{NDF}: 11690.4/16$

Left Out: -12.865 ± 0.251 $\chi^2/\text{NDF}: 1888.7/17$

Right Out: -10.671 ± 0.352 $\chi^2/\text{NDF}: 18171.0/18$

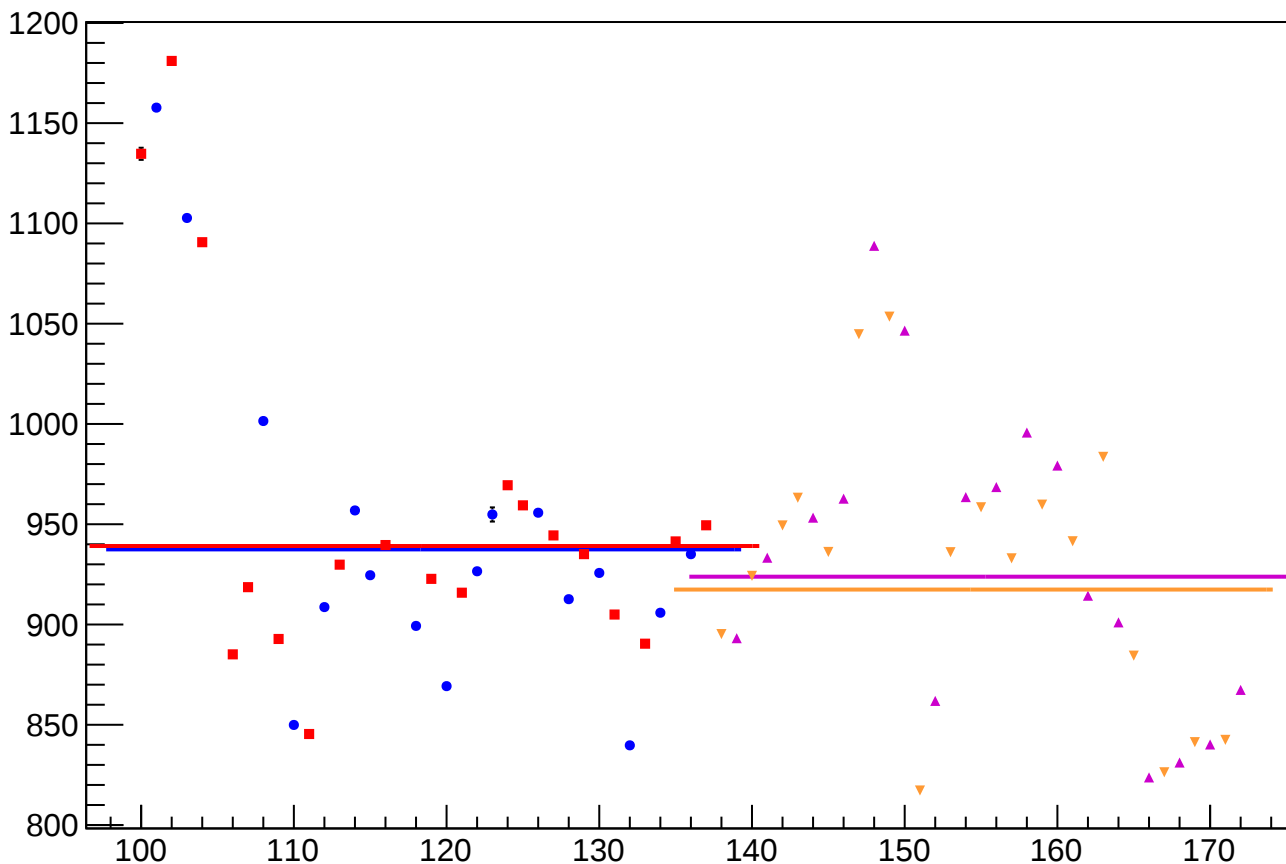
Left In: -60.031 ± 0.255 $\chi^2/\text{NDF}: 16594.9/16$

+ sign -32.254 ± 0.206 $\chi^2/\text{NDF}: 32041.9/34$

All: -37.627 ± 0.146 $\chi^2/\text{NDF}: 81037.7/70$

- sign -43.031 ± 0.207 $\chi^2/\text{NDF}: 47633.7/35$

diff_bpm1i02X_rms vs Slug



Right In: 937.454 ± 0.256 χ^2/NDF : 98307.6/16

Left Out: 917.428 ± 0.177 χ^2/NDF : 140679.7/17

Right Out: 939.140 ± 0.249 χ^2/NDF : 90253.2/18

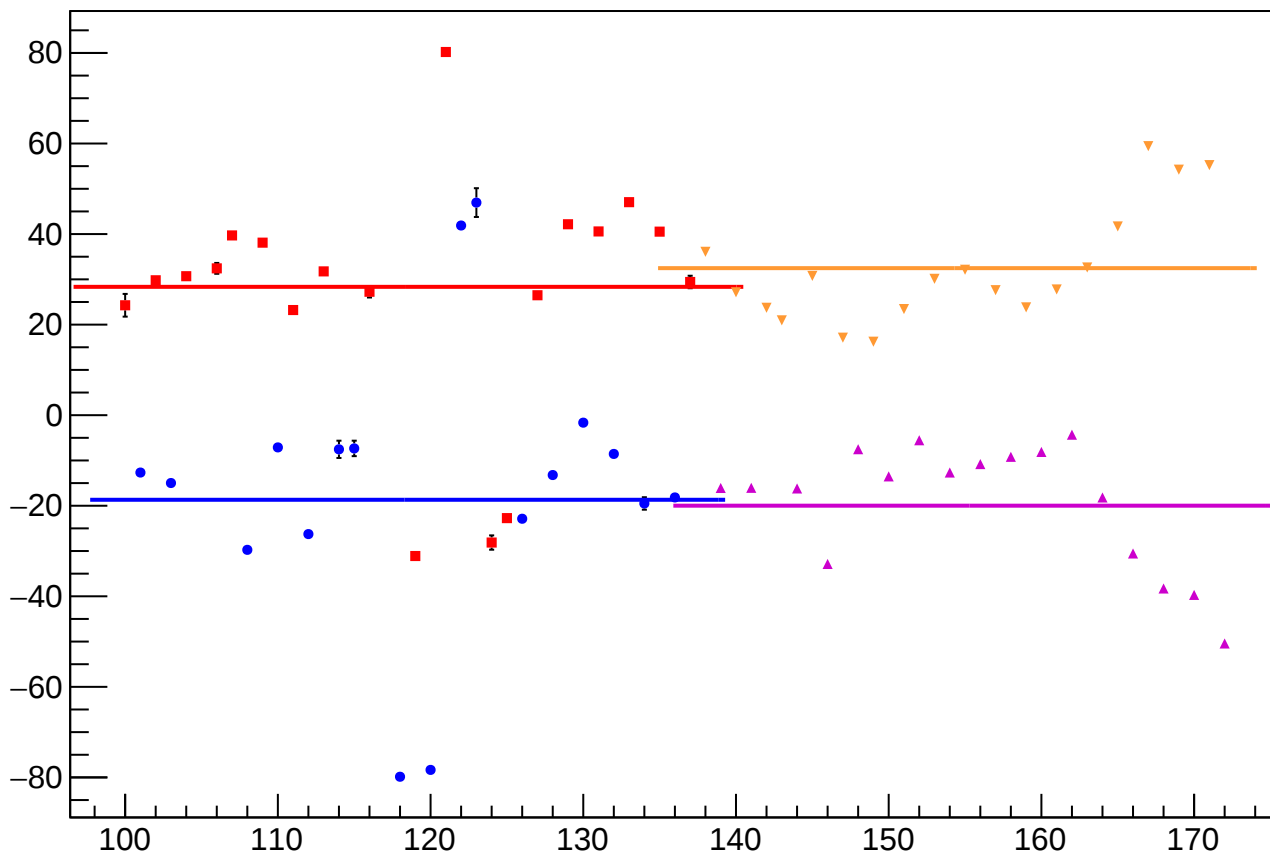
Left In: 923.845 ± 0.181 χ^2/NDF : 154960.8/16

+ sign 923.912 ± 0.146 χ^2/NDF : 243118.0/34

All: 926.505 ± 0.103 χ^2/NDF : 491437.1/70

- sign 929.113 ± 0.146 χ^2/NDF : 247684.9/35

diff_bpm1i02Y_mean vs Slug



Right In: -18.683+/-0.243 χ^2/NDF : 13006.2/16

Left Out: 32.474+/-0.196 χ^2/NDF : 4410.9/17

Right Out: 28.347+/-0.235 χ^2/NDF : 12508.1/18

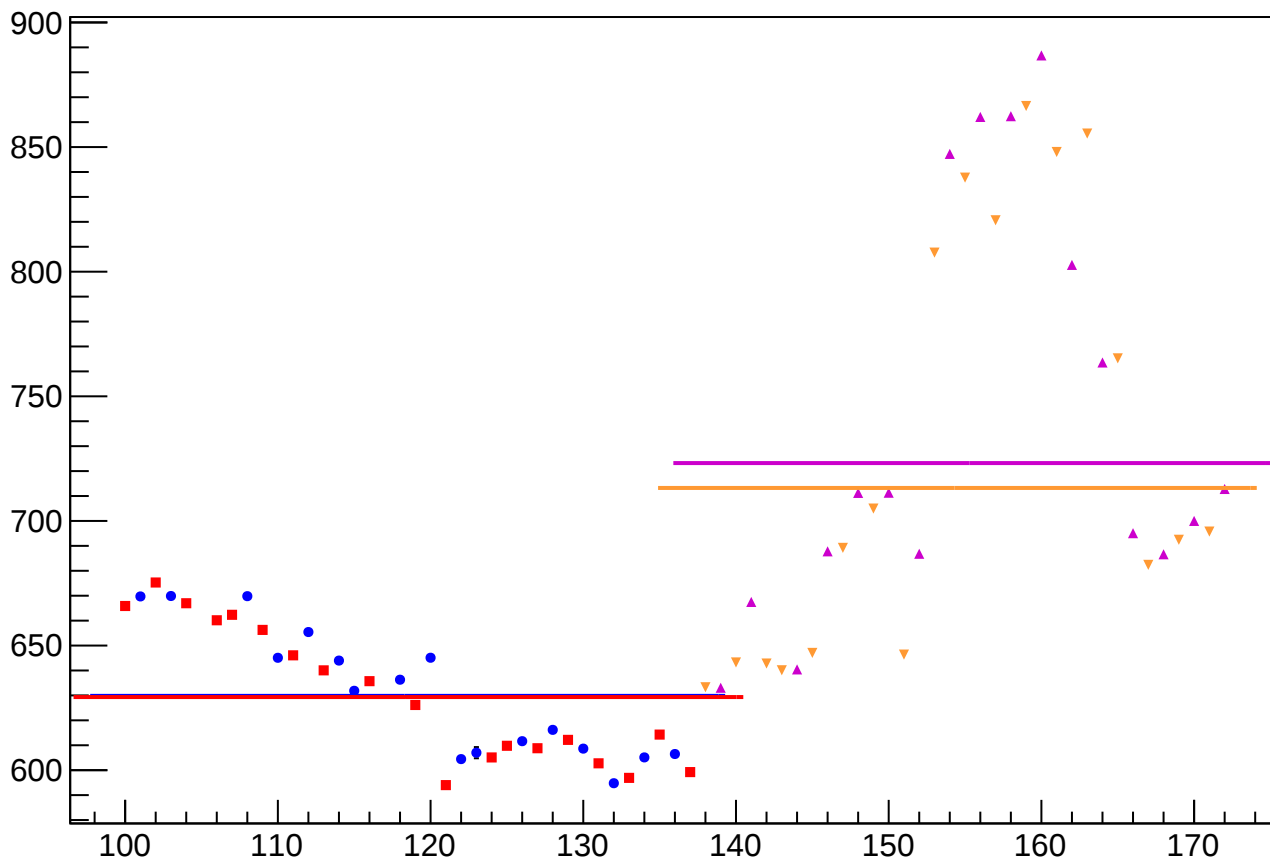
Left In: -19.987+/-0.201 χ^2/NDF : 4398.7/16

+ sign 12.307+/-0.152 χ^2/NDF : 44340.6/34

All: 6.331+/-0.108 χ^2/NDF : 88755.5/70

- sign 0.331+/-0.153 χ^2/NDF : 41331.6/35

diff_bpm1i02Y_rms vs Slug



Right In: 629.815 $\pm$ 0.172 χ^2 /NDF: 23298.3/16

Left Out: 713.237 $\pm$ 0.138 χ^2 /NDF: 332186.1/17

Right Out: 629.340 $\pm$ 0.166 χ^2 /NDF: 25538.5/18

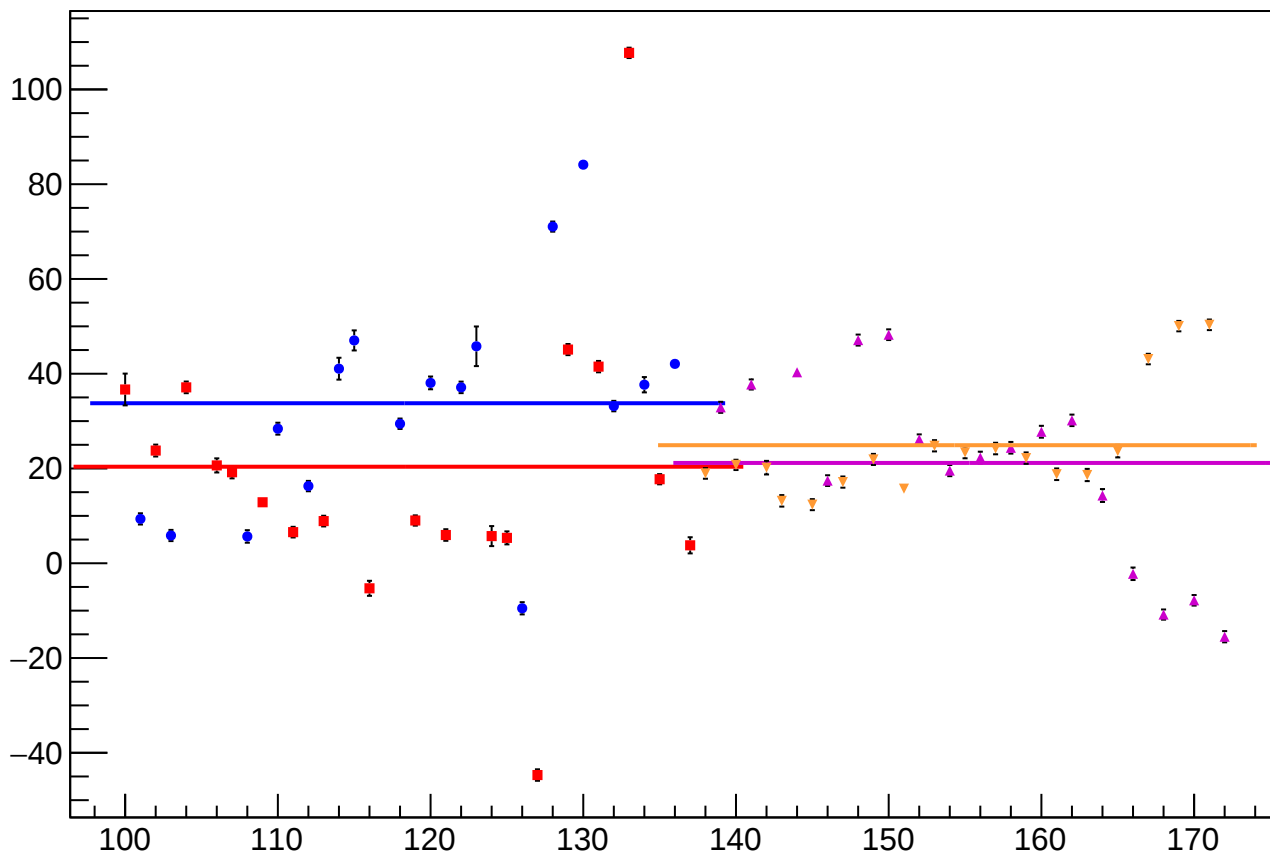
Left In: 723.216 $\pm$ 0.142 χ^2 /NDF: 277866.9/16

+ sign 680.350 $\pm$ 0.108 χ^2 /NDF: 498673.2/34

All: 682.048 $\pm$ 0.076 χ^2 /NDF: 986853.5/70

- sign 683.754 $\pm$ 0.108 χ^2 /NDF: 487682.1/35

diff_bpm1i04X_mean vs Slug



Right In: 33.773 ± 0.300 χ^2/NDF : 6487.9/16

Left Out: 24.916 ± 0.279 χ^2/NDF : 1751.7/17

Right Out: 20.375 ± 0.293 χ^2/NDF : 11287.7/18

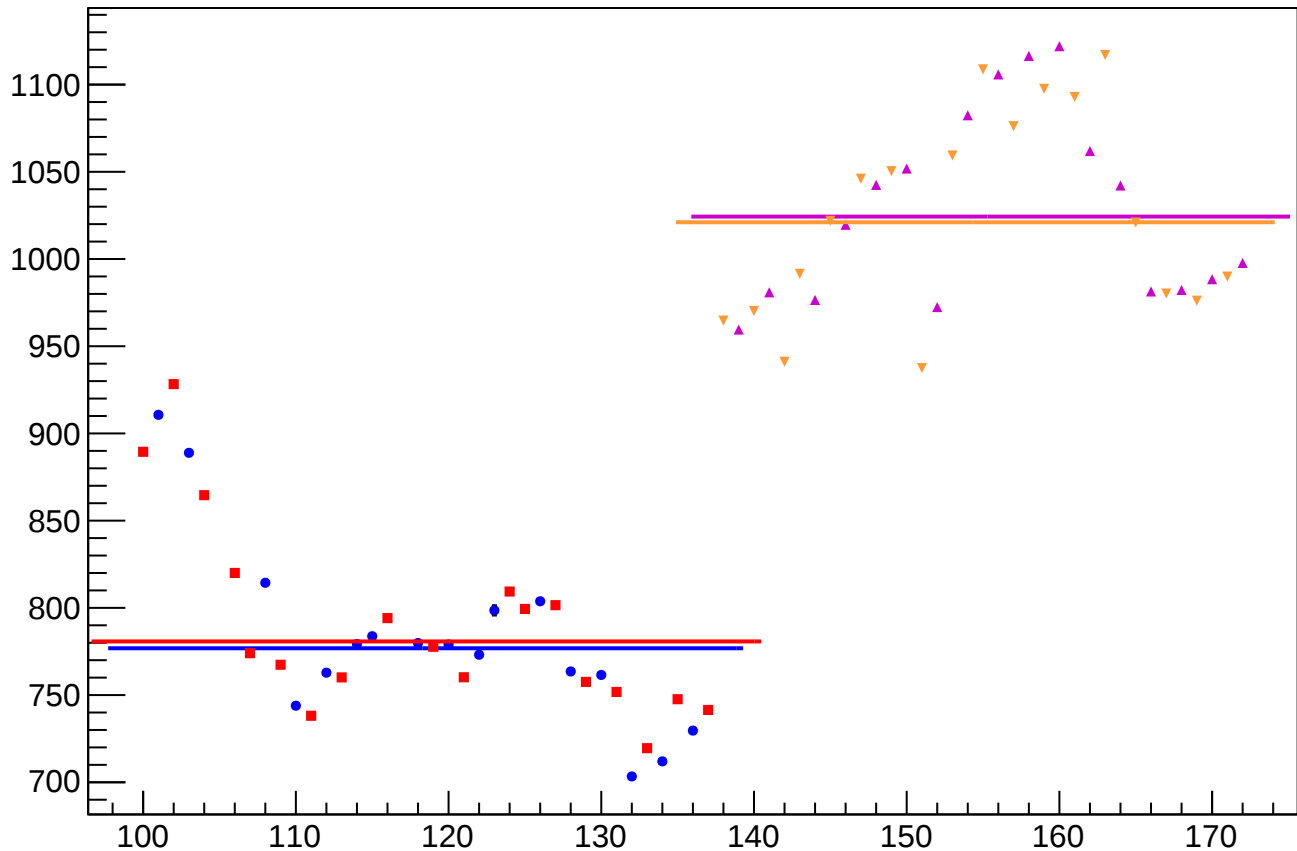
Left In: 21.173 ± 0.283 χ^2/NDF : 4722.4/16

+ sign 29.021 ± 0.204 χ^2/NDF : 8707.6/34

All: 24.886 ± 0.144 χ^2/NDF : 25538.2/70

- sign 20.787 ± 0.203 χ^2/NDF : 16014.0/35

diff_bpm1i04X_rms vs Slug



Right In: 776.838 $\pm$ 0.212 χ^2 /NDF: 67487.1/16

Left Out: 1021.093 $\pm$ 0.197 χ^2 /NDF:81316.0/17

Right Out: 780.755 $\pm$ 0.207 χ^2 /NDF: 57428.9/18

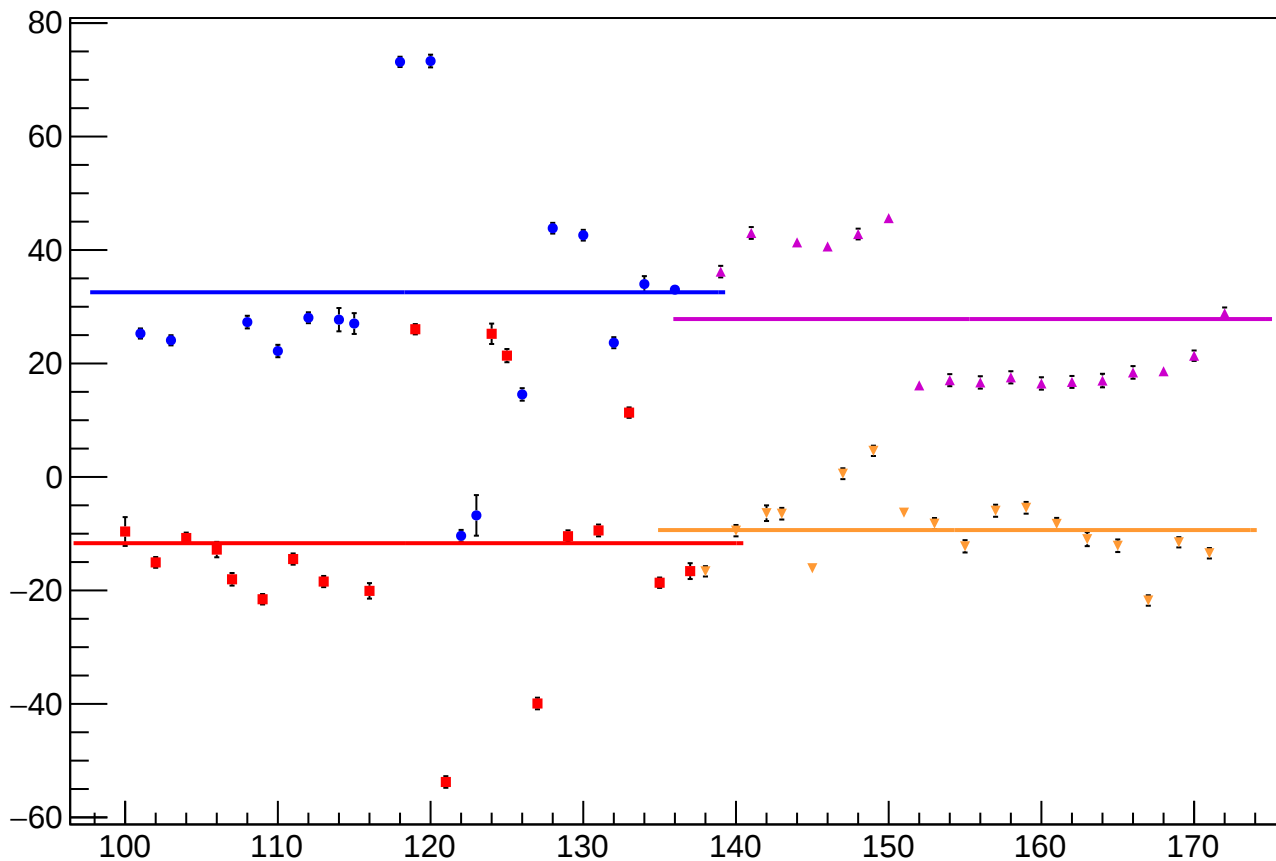
Left In: 1024.325 $\pm$ 0.200 χ^2 /NDF:67150.5/16

+ sign 907.898 $\pm$ 0.144 χ^2 /NDF: 860680.4/34

All: 907.303 $\pm$ 0.102 χ^2 /NDF: 1702362.0/70

- sign 906.713 $\pm$ 0.144 χ^2 /NDF: 841647.7/35

diff_bpm1i04Y_mean vs Slug



Right In: 32.552 $\pm$ 0.253 χ^2 /NDF: 6073.0/16

Left Out: -9.362 $\pm$ 0.233 χ^2 /NDF: 740.5/17

Right Out: -11.674 $\pm$ 0.247 χ^2 /NDF: 6357.6/18

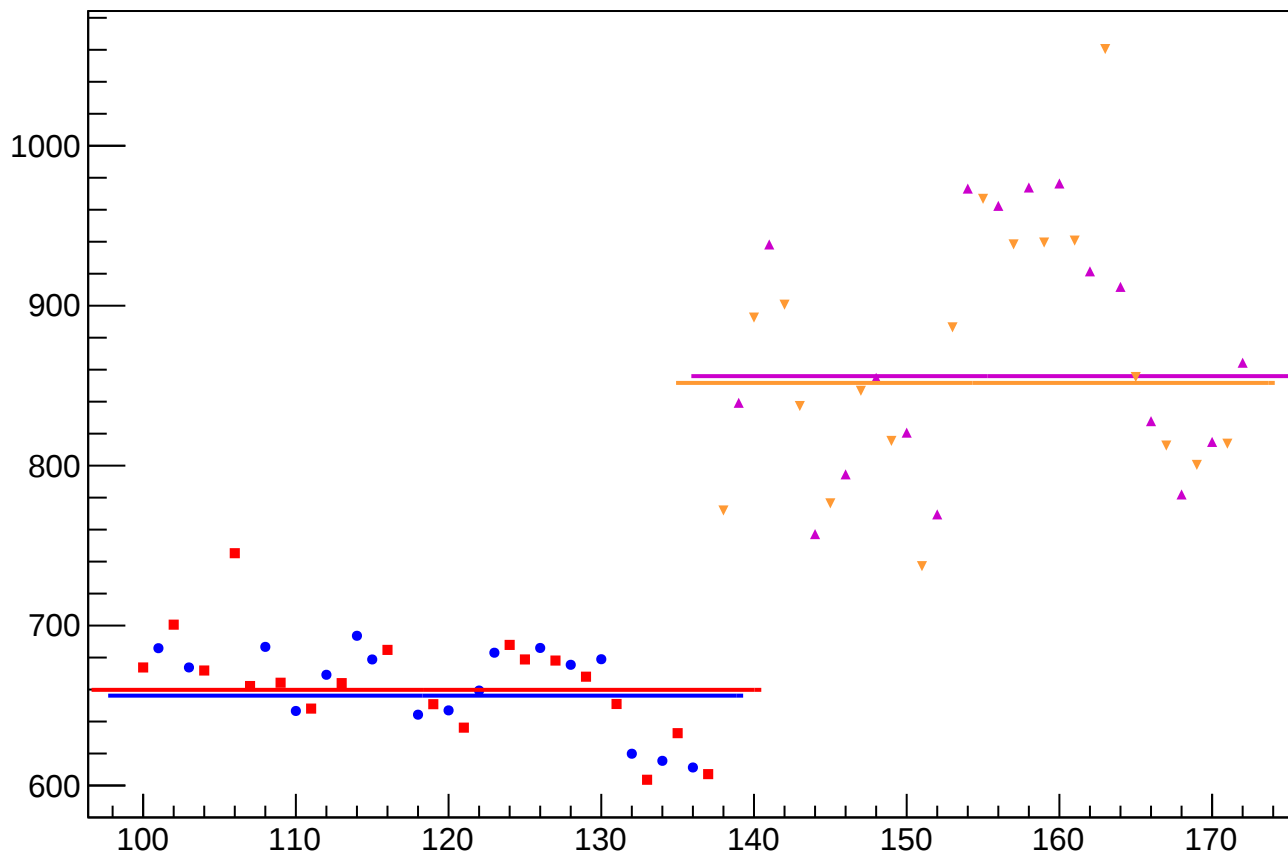
Left In: 27.832 $\pm$ 0.237 χ^2 /NDF: 2437.8/16

+ sign 9.923 $\pm$ 0.172 χ^2 /NDF: 21647.6/34

All: 9.388 $\pm$ 0.121 χ^2 /NDF: 43756.5/70

- sign 8.855 $\pm$ 0.171 χ^2 /NDF: 22089.4/35

diff_bpm1i04Y_rms vs Slug



Right In: 656.181 $\pm$ 0.179 χ^2 /NDF: 23569.6/16

Left Out: 851.724 $\pm$ 0.165 χ^2 /NDF: 216059.4/17

Right Out: 659.813 $\pm$ 0.175 χ^2 /NDF: 28325.7/18

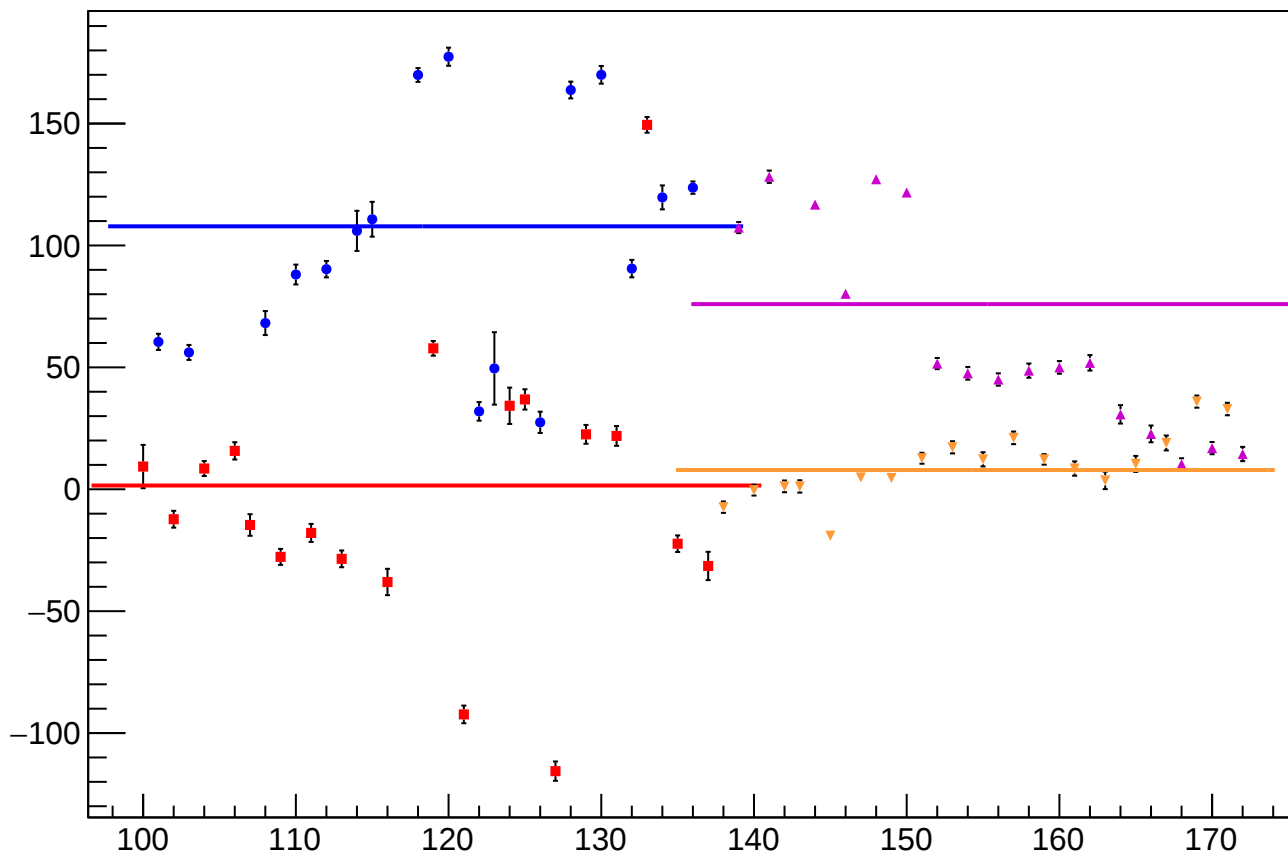
Left In: 855.960 $\pm$ 0.168 χ^2 /NDF: 199220.8/16

+ sign 761.757 $\pm$ 0.121 χ^2 /NDF: 885385.5/34

All: 761.748 $\pm$ 0.086 χ^2 /NDF: 1768378.7/70

- sign 761.740 $\pm$ 0.121 χ^2 /NDF: 882993.1/35

diff_bpm1i06X_mean vs Slug



Right In: 107.852 $\pm$ 0.922 χ^2 /NDF: 2809.0/16

Left Out: 7.891 $\pm$ 0.563 χ^2 /NDF: 542.4/17

Right Out: 1.542 $\pm$ 0.883 χ^2 /NDF: 4523.8/18

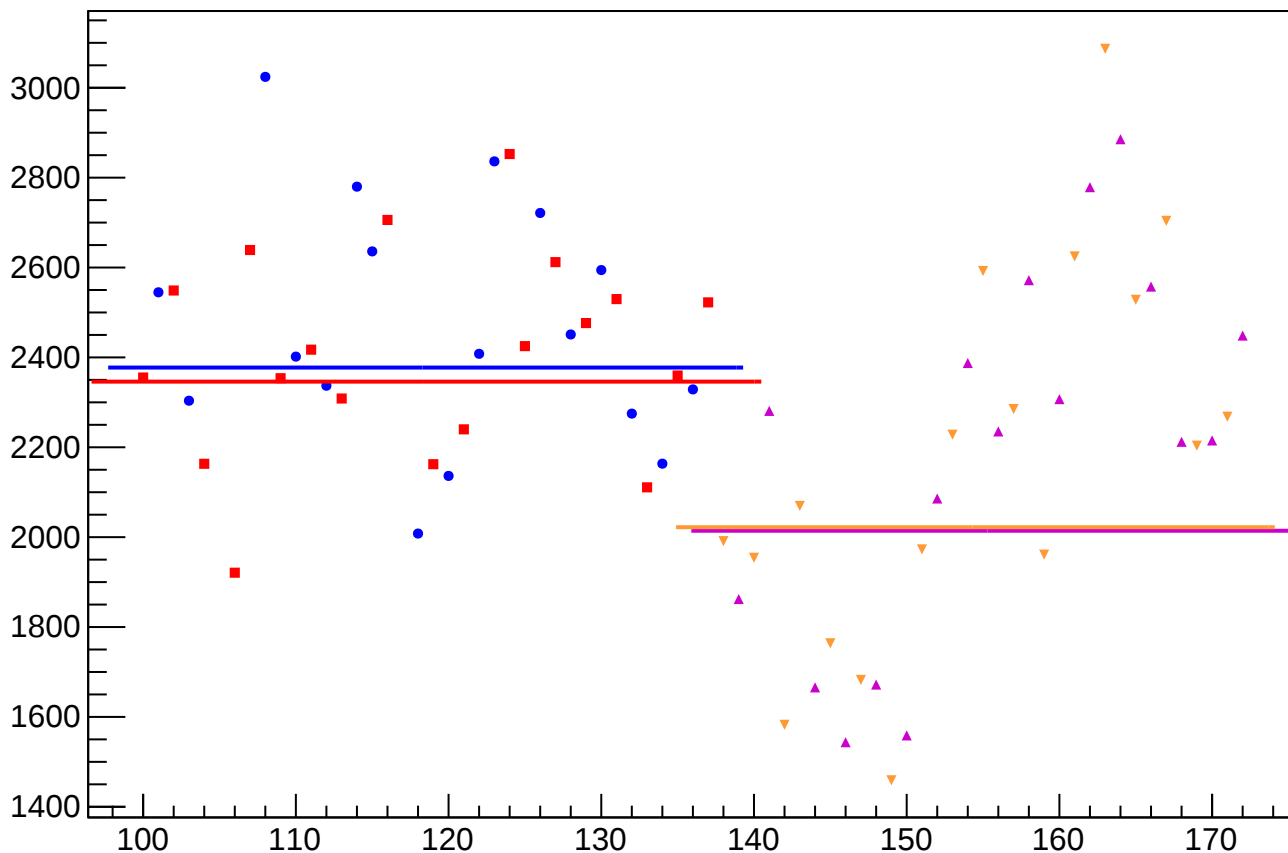
Left In: 75.947 $\pm$ 0.569 χ^2 /NDF: 5339.1/16

+ sign 35.058 $\pm$ 0.480 χ^2 /NDF: 11919.7/34

All: 44.619 $\pm$ 0.339 χ^2 /NDF: 27584.3/70

- sign 54.106 $\pm$ 0.479 χ^2 /NDF: 14875.6/35

diff_bpm1i06X_rms vs Slug



Right In: 2377.423+/-0.652 χ^2 /NDF: 119648.6/16

Left Out: 2022.139+/-0.398 χ^2 /NDF: 952626.9/17

Right Out: 2346.121+/-0.625 χ^2 /NDF: 108257.3/18

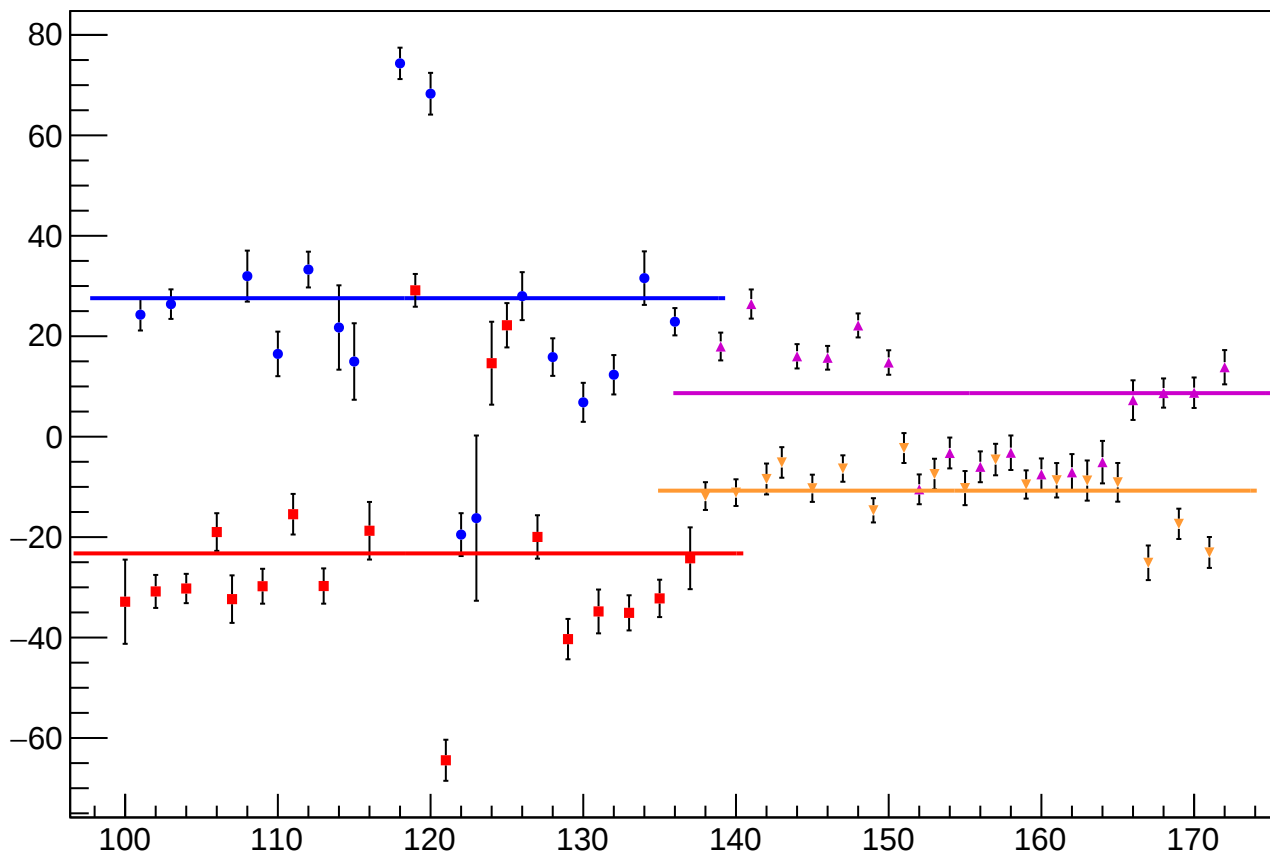
Left In: 2014.274+/-0.403 χ^2 /NDF: 967344.2/16

+ sign 2118.697+/-0.340 χ^2 /NDF: 1288757.1/34

All: 2115.177+/-0.240 χ^2 /NDF: 2563991.3/70

- sign 2111.685+/-0.338 χ^2 /NDF: 1275020.4/35

diff_bpm1i06Y_mean vs Slug



Right In: 27.577 ± 0.975 χ^2/NDF : 519.6/16

Left Out: -10.748 ± 0.709 χ^2/NDF : 62.0/17

Right Out: -23.243 ± 0.927 χ^2/NDF : 557.9/18

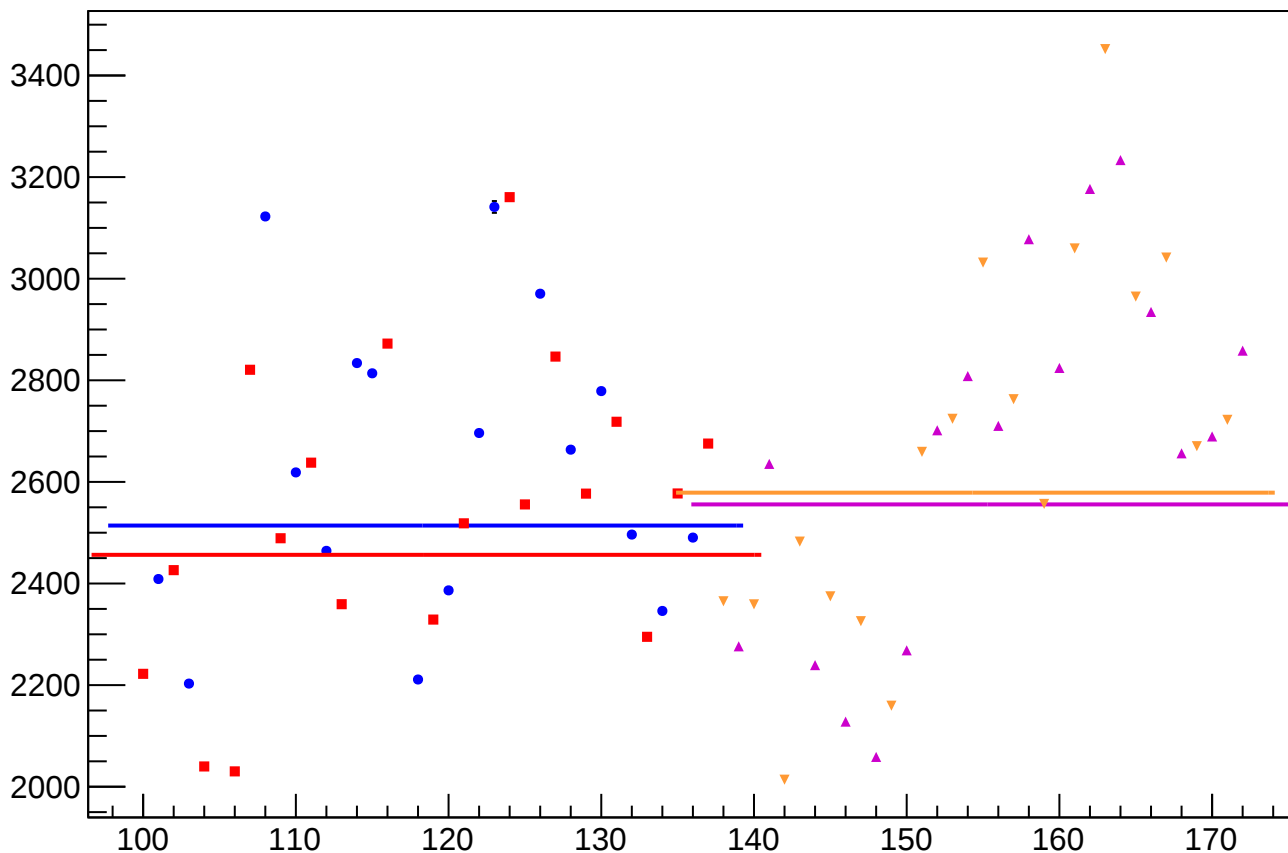
Left In: 8.669 ± 0.714 χ^2/NDF : 254.0/16

+ sign 2.520 ± 0.574 χ^2/NDF : 1592.2/34

All: -0.389 ± 0.403 χ^2/NDF : 3198.4/70

- sign -3.219 ± 0.566 χ^2/NDF : 1555.5/35

diff_bpm1i06Y_rms vs Slug



Right In: 2514.088 $\pm$ 0.689 χ^2 /NDF: 120961.3/16

Left Out: 2578.838 $\pm$ 0.502 χ^2 /NDF: 430745.7/17

Right Out: 2456.460 $\pm$ 0.655 χ^2 /NDF: 149732.7/18

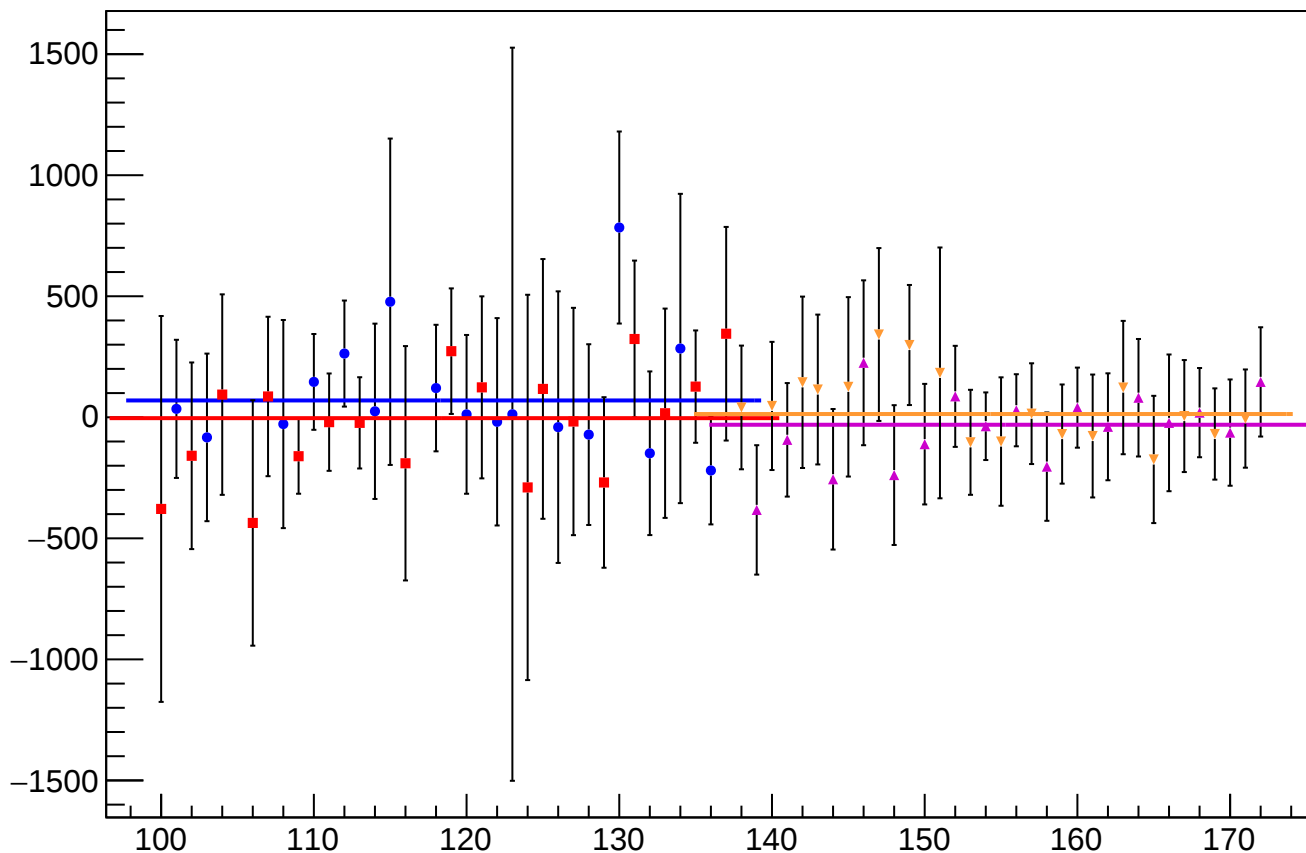
Left In: 2555.705 $\pm$ 0.505 χ^2 /NDF: 469904.8/16

+ sign 2556.421 $\pm$ 0.406 χ^2 /NDF: 557476.6/34

All: 2537.321 $\pm$ 0.285 χ^2 /NDF: 1195874.8/70

- sign 2518.732 $\pm$ 0.400 χ^2 /NDF: 634021.4/35

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 69.587+/-79.023 χ^2/NDF : 7.3/16

Left Out: 13.511+/-59.781 χ^2/NDF : 4.3/17

Right Out: -3.562+/-69.980 χ^2/NDF : 6.4/18

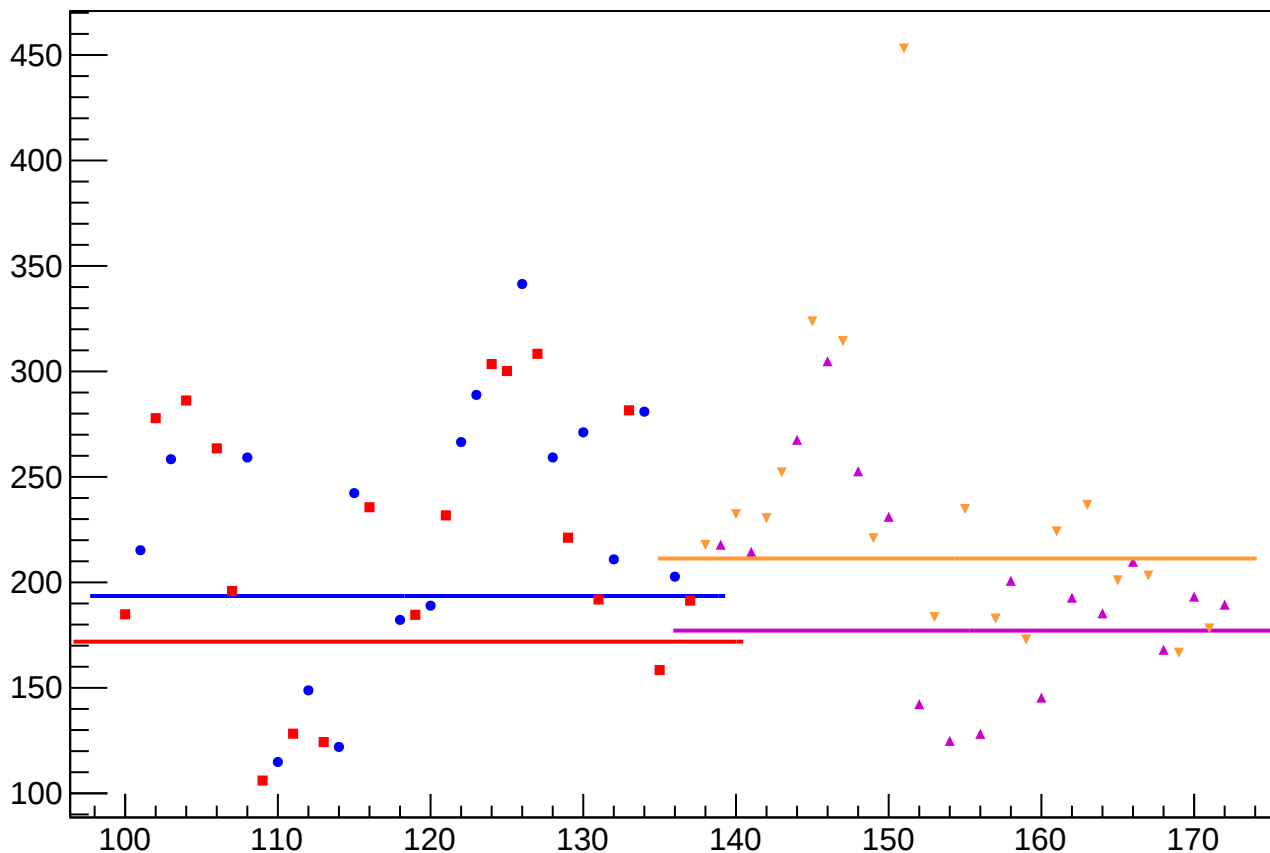
Left In: -30.805+/-51.538 χ^2/NDF : 5.8/16

+ sign 33.922+/-47.676 χ^2/NDF : 11.9/34

All: 2.546+/-31.302 χ^2/NDF : 25.0/70

- sign -21.225+/-41.498 χ^2/NDF : 12.3/35

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.533 $\pm$ 0.056 χ^2 /NDF: 1010428.2/16

Left Out: 211.316 $\pm$ 0.042 χ^2 /NDF:1193632.2/17

Right Out: 171.901 $\pm$ 0.049 χ^2 /NDF: 1576883.7/18

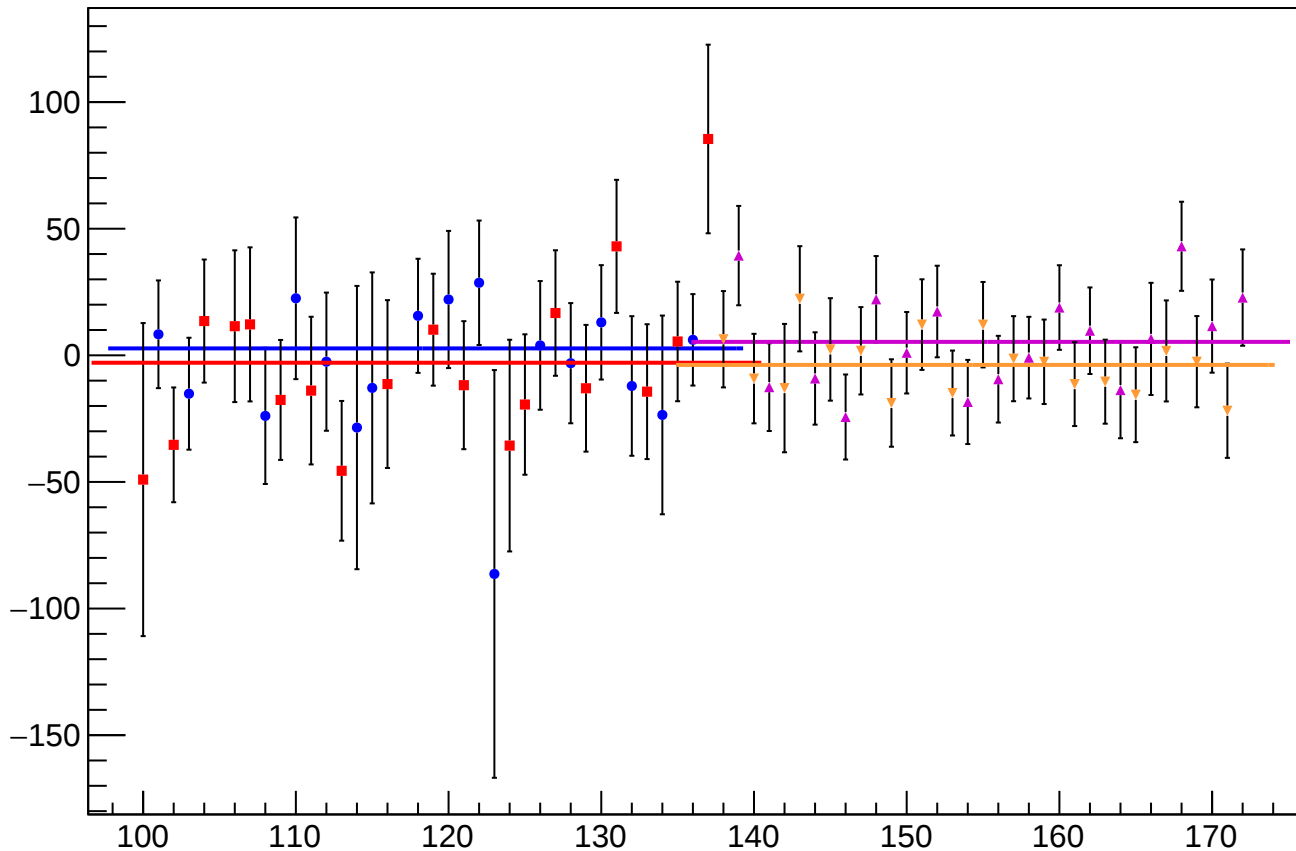
Left In: 177.145 $\pm$ 0.036 χ^2 /NDF:1511703.1/16

+ sign 204.843 $\pm$ 0.034 χ^2 /NDF: 2268475.3/34

All: 188.035 $\pm$ 0.022 χ^2 /NDF: 5801260.9/70

- sign 175.301 $\pm$ 0.029 χ^2 /NDF: 3095868.5/35

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.733 $\pm$ 6.424 χ^2 /NDF: 6.8/16

Left Out: -3.790 $\pm$ 4.266 χ^2 /NDF: 7.0/17

Right Out: -2.928 $\pm$ 6.279 χ^2 /NDF: 17.8/18

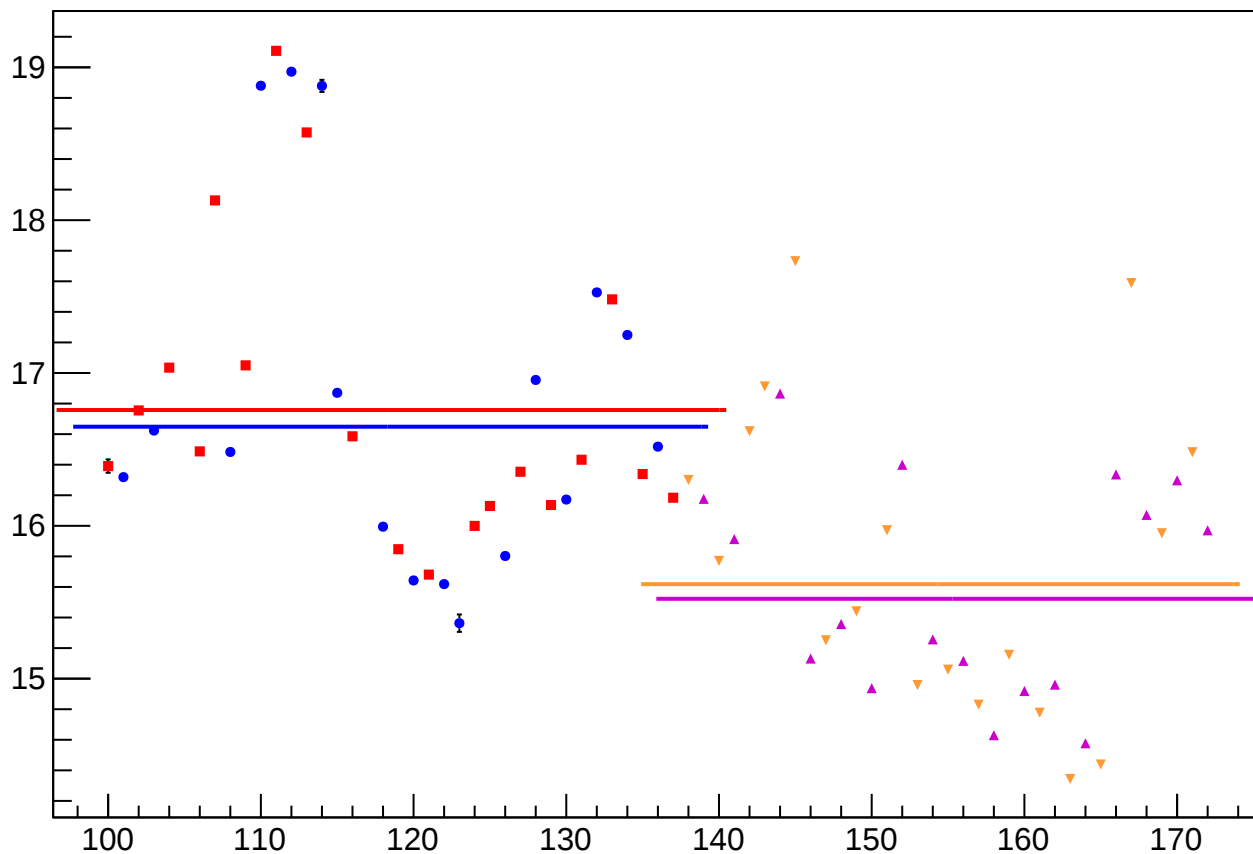
Left In: 5.312 $\pm$ 4.284 χ^2 /NDF: 19.5/16

+ sign -1.793 $\pm$ 3.554 χ^2 /NDF: 14.5/34

All: 0.460 $\pm$ 2.508 χ^2 /NDF: 53.7/70

- sign 2.694 $\pm$ 3.539 χ^2 /NDF: 38.5/35

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.649 $\pm$ 0.005 χ^2 /NDF: 42566.9/16

Left Out: 15.618 $\pm$ 0.003 χ^2 /NDF: 97950.9/17

Right Out: 16.758 $\pm$ 0.004 χ^2 /NDF: 39950.7/18

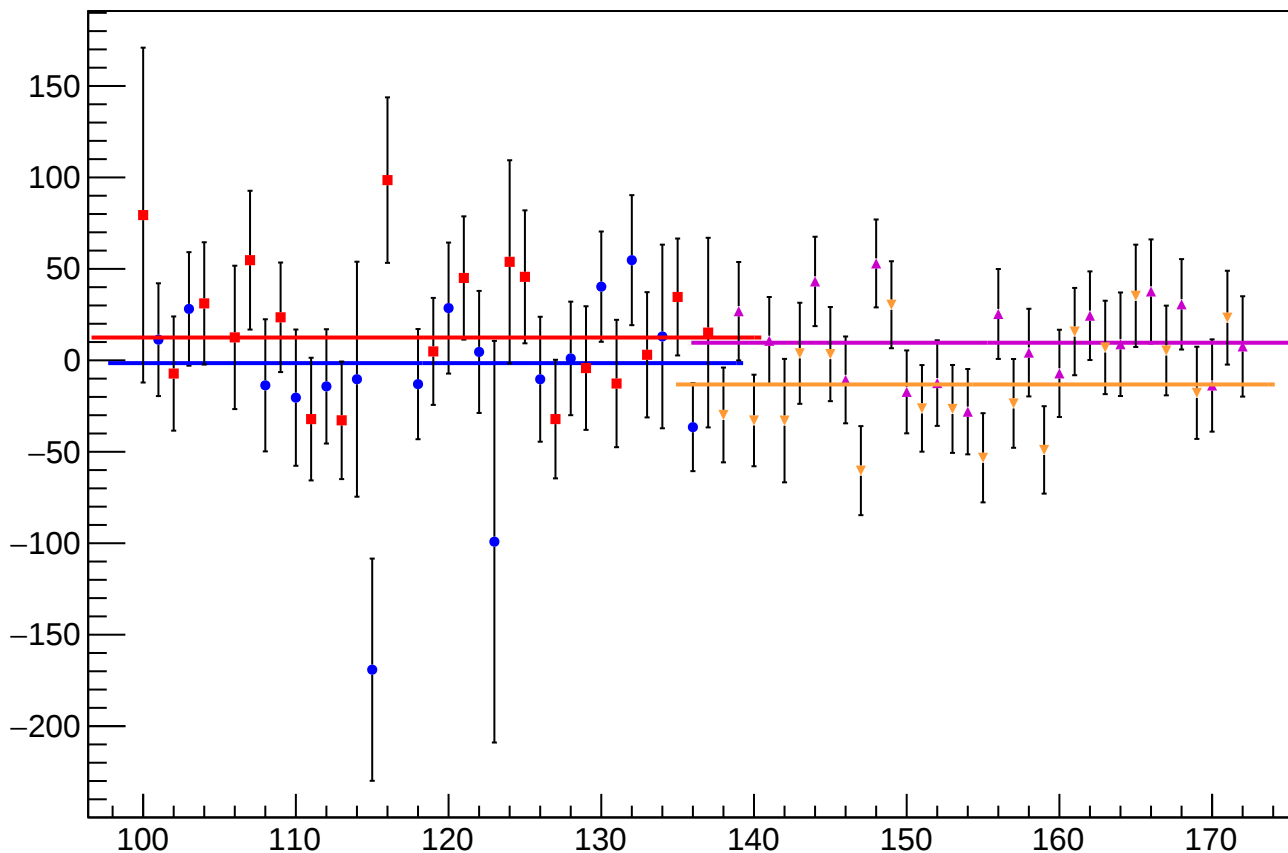
Left In: 15.523 $\pm$ 0.003 χ^2 /NDF: 49495.0/16

+ sign 15.934 $\pm$ 0.003 χ^2 /NDF: 176208.2/34

All: 15.924 $\pm$ 0.002 χ^2 /NDF: 318496.1/70

- sign 15.915 $\pm$ 0.003 χ^2 /NDF: 142260.0/35

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -1.523 ± 8.485 χ^2/NDF : 17.6/16

Left Out: -13.186 ± 5.954 χ^2/NDF : 22.7/17

Right Out: 12.475 ± 8.210 χ^2/NDF : 15.6/18

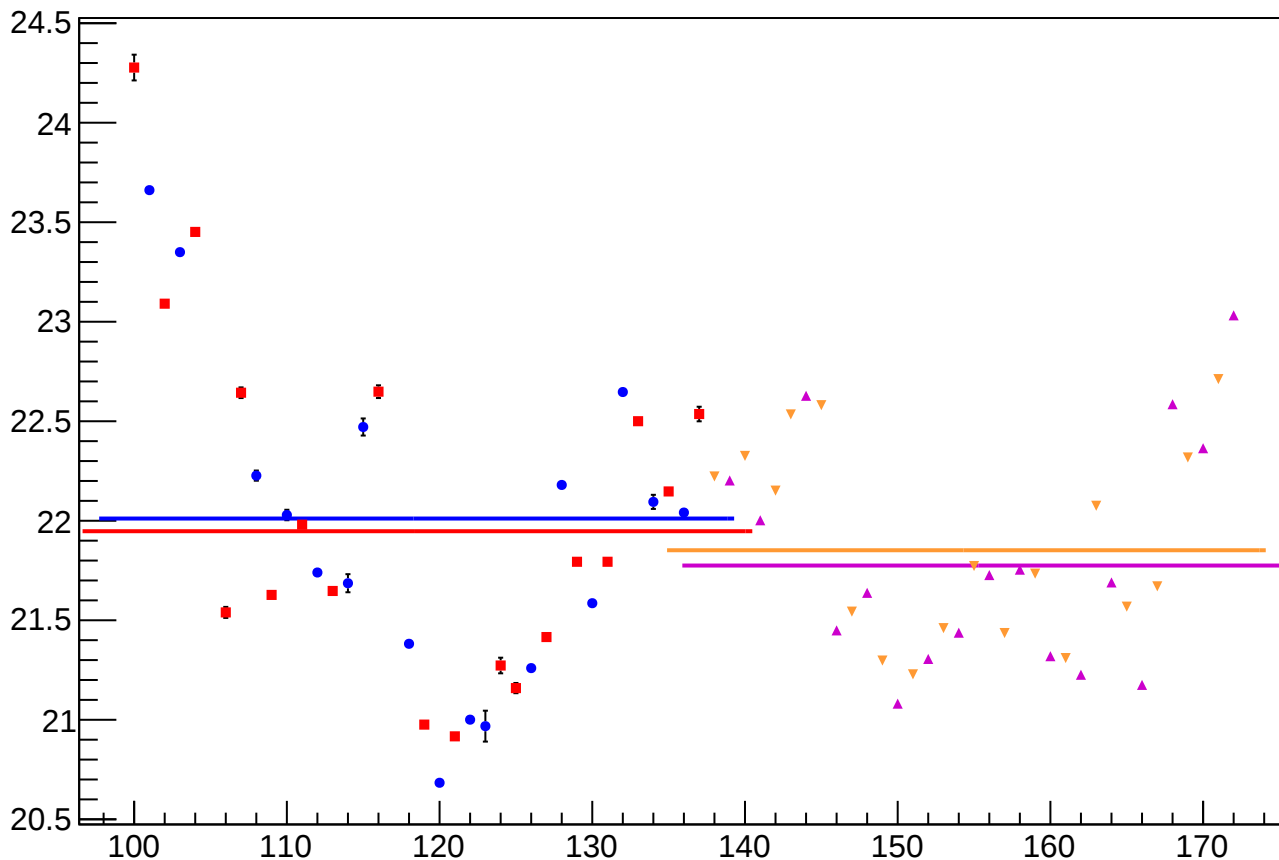
Left In: 9.621 ± 5.998 χ^2/NDF : 15.1/16

+ sign -9.338 ± 4.874 χ^2/NDF : 41.7/34

All: 0.701 ± 3.435 χ^2/NDF : 80.8/70

- sign 10.614 ± 4.843 χ^2/NDF : 30.8/35

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 22.011 $\pm$ 0.006 χ^2/NDF : 17546.9/16

Left Out: 21.852 $\pm$ 0.004 χ^2/NDF : 12519.2/17

Right Out: 21.947 $\pm$ 0.006 χ^2/NDF : 16592.7/18

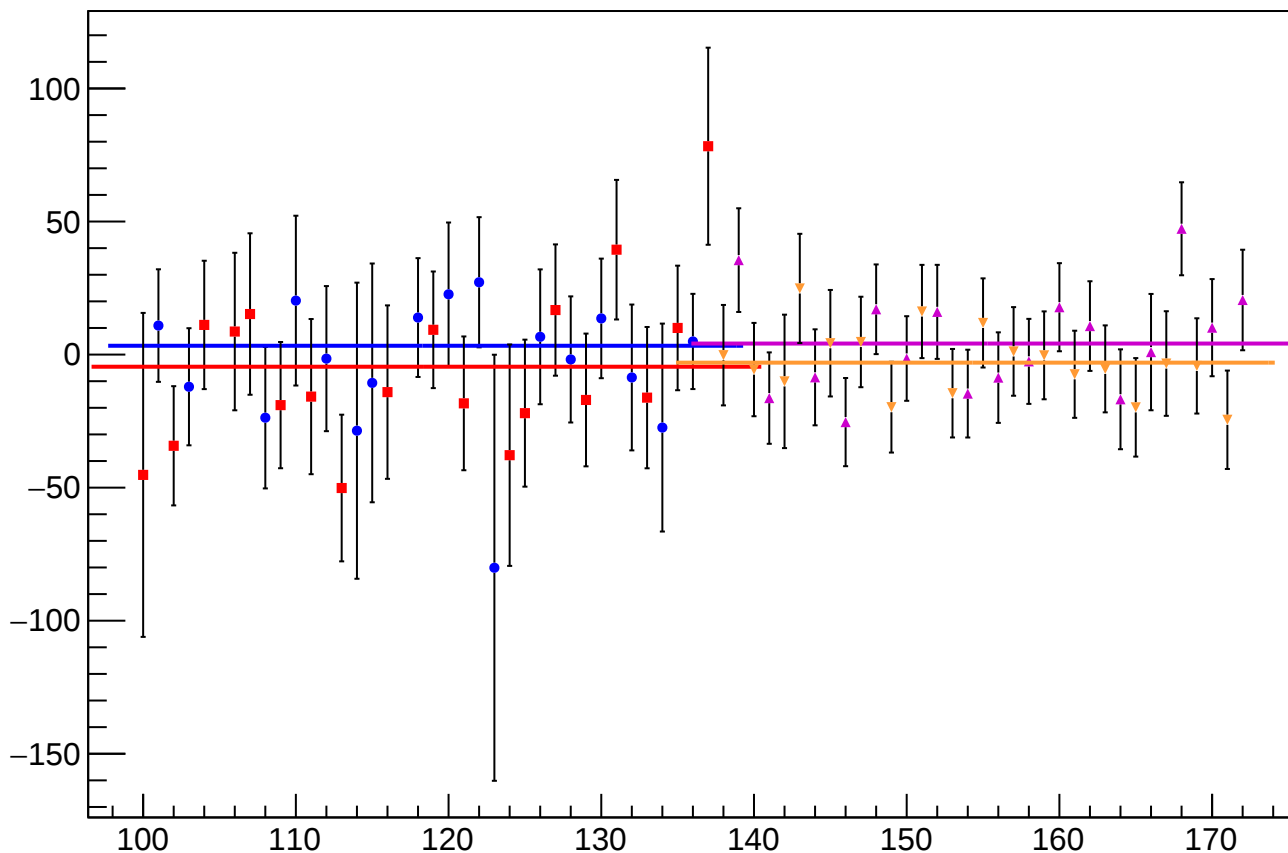
Left In: 21.775 $\pm$ 0.004 χ^2/NDF : 16773.7/16

+ sign 21.904 $\pm$ 0.003 χ^2/NDF : 30538.8/34

All: 21.870 $\pm$ 0.002 χ^2/NDF : 64684.5/70

- sign 21.835 $\pm$ 0.003 χ^2/NDF : 33941.8/35

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 3.317 ± 6.388 χ^2/NDF : 6.3/16

Left Out: -3.029 ± 4.220 χ^2/NDF : 8.1/17

Right Out: -4.561 ± 6.244 χ^2/NDF : 17.7/18

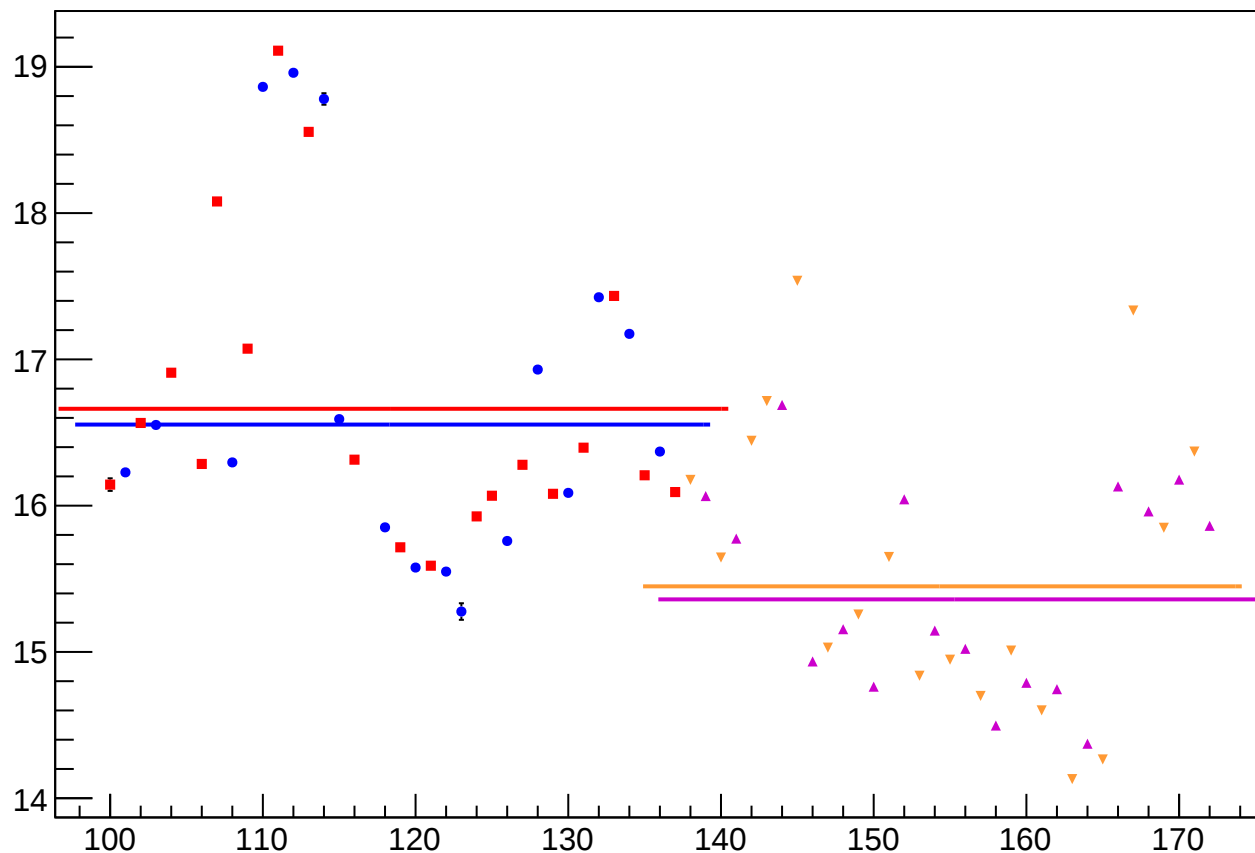
Left In: 4.148 ± 4.239 χ^2/NDF : 19.9/16

+ sign -1.101 ± 3.521 χ^2/NDF : 15.1/34

All: 0.154 ± 2.485 χ^2/NDF : 54.3/70

- sign 1.400 ± 3.507 χ^2/NDF : 39.0/35

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.554 $\pm$ 0.005 χ^2 /NDF: 44475.2/16

Left Out: 15.448 $\pm$ 0.003 χ^2 /NDF: 98391.5/17

Right Out: 16.662 $\pm$ 0.004 χ^2 /NDF: 43063.6/18

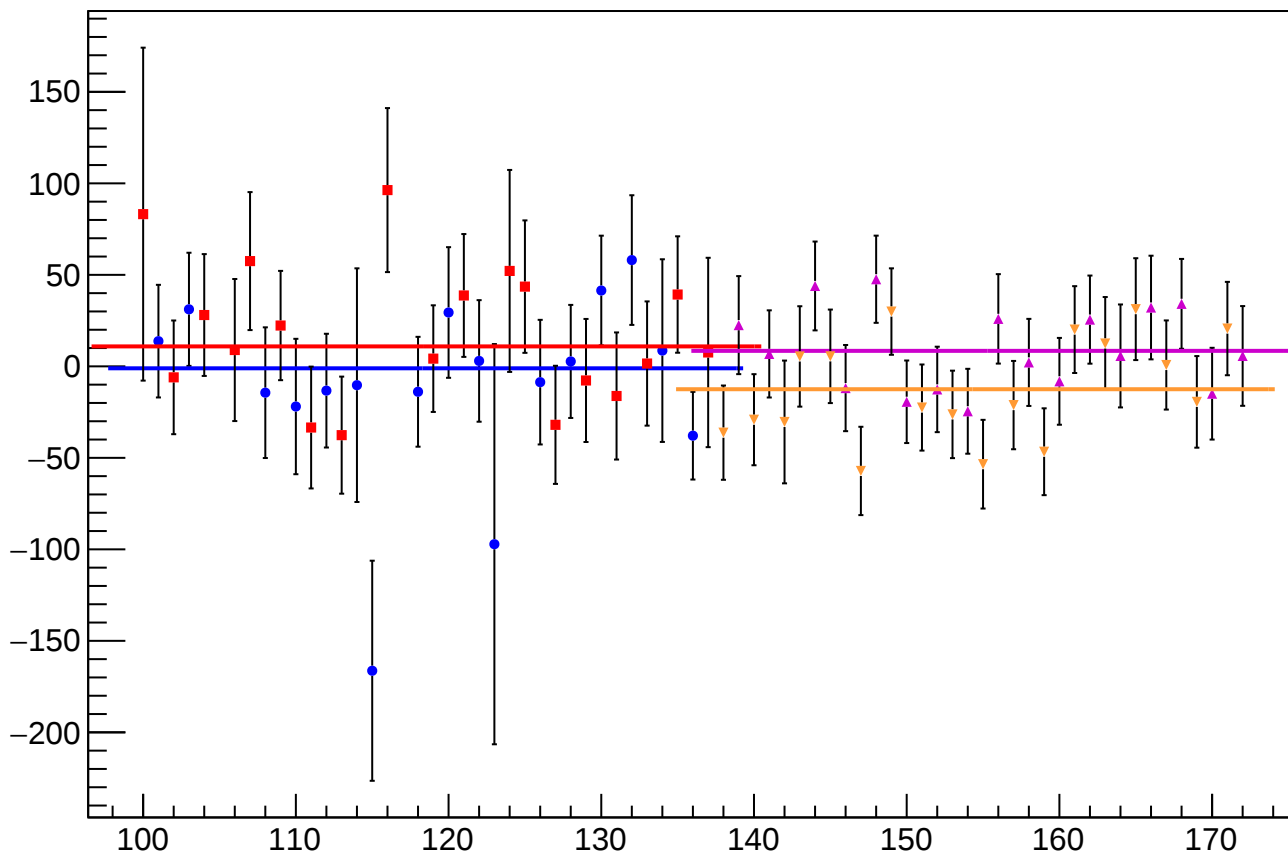
Left In: 15.359 $\pm$ 0.003 χ^2 /NDF: 49898.0/16

+ sign 15.784 $\pm$ 0.002 χ^2 /NDF: 184601.3/34

All: 15.777 $\pm$ 0.002 χ^2 /NDF: 337206.2/70

- sign 15.770 $\pm$ 0.002 χ^2 /NDF: 152589.0/35

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -1.068 $\pm$ 8.444 χ^2/NDF : 18.5/16

Left Out: -12.500 $\pm$ 5.916 χ^2/NDF : 22.1/17

Right Out: 10.900 $\pm$ 8.169 χ^2/NDF : 16.2/18

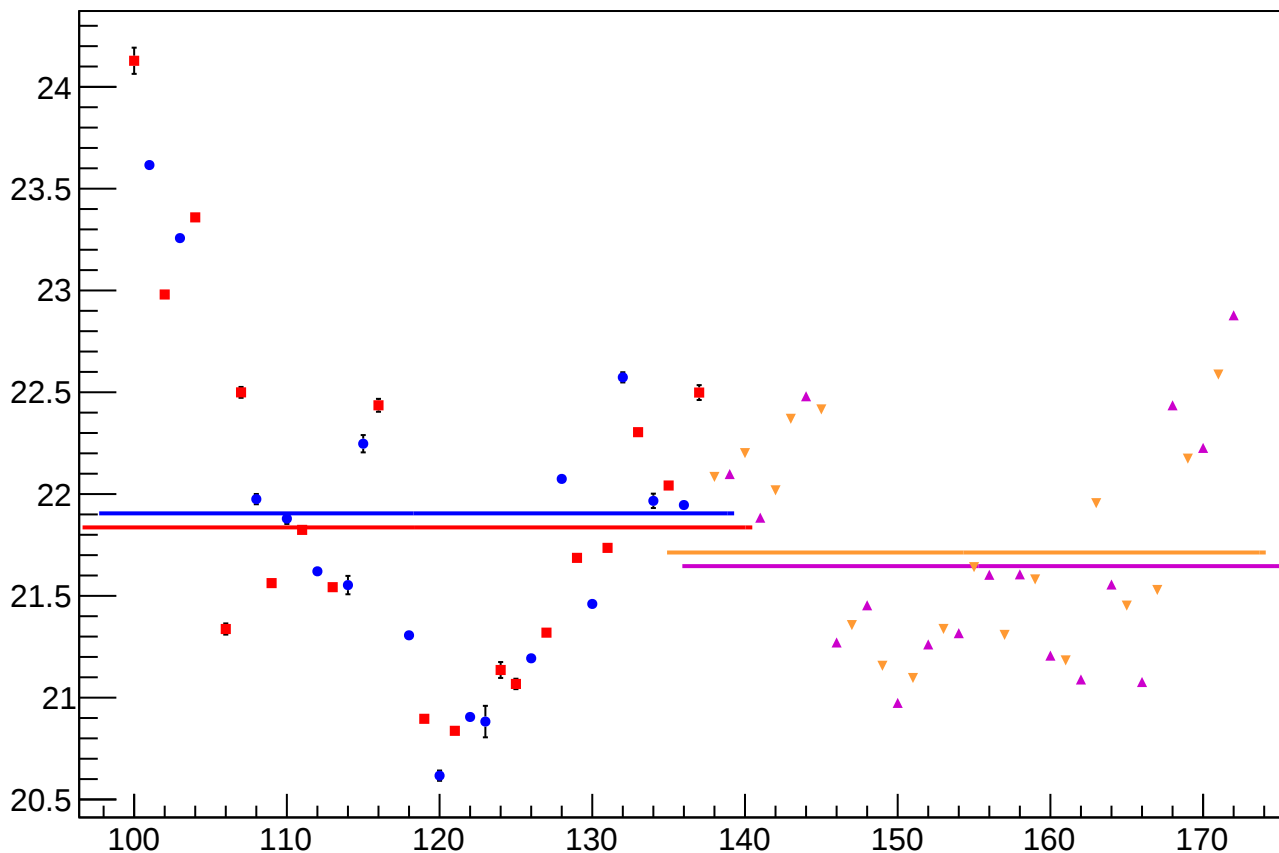
Left In: 8.466 $\pm$ 5.962 χ^2/NDF : 14.5/16

+ sign -8.736 $\pm$ 4.845 χ^2/NDF : 41.8/34

All: 0.343 $\pm$ 3.416 χ^2/NDF : 79.6/70

- sign 9.312 $\pm$ 4.816 χ^2/NDF : 30.8/35

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.905 $\pm$ 0.006 χ^2 /NDF: 17794.2/16

Left Out: 21.713 $\pm$ 0.004 χ^2 /NDF:12561.4/17

Right Out: 21.836 $\pm$ 0.006 χ^2 /NDF: 16251.2/18

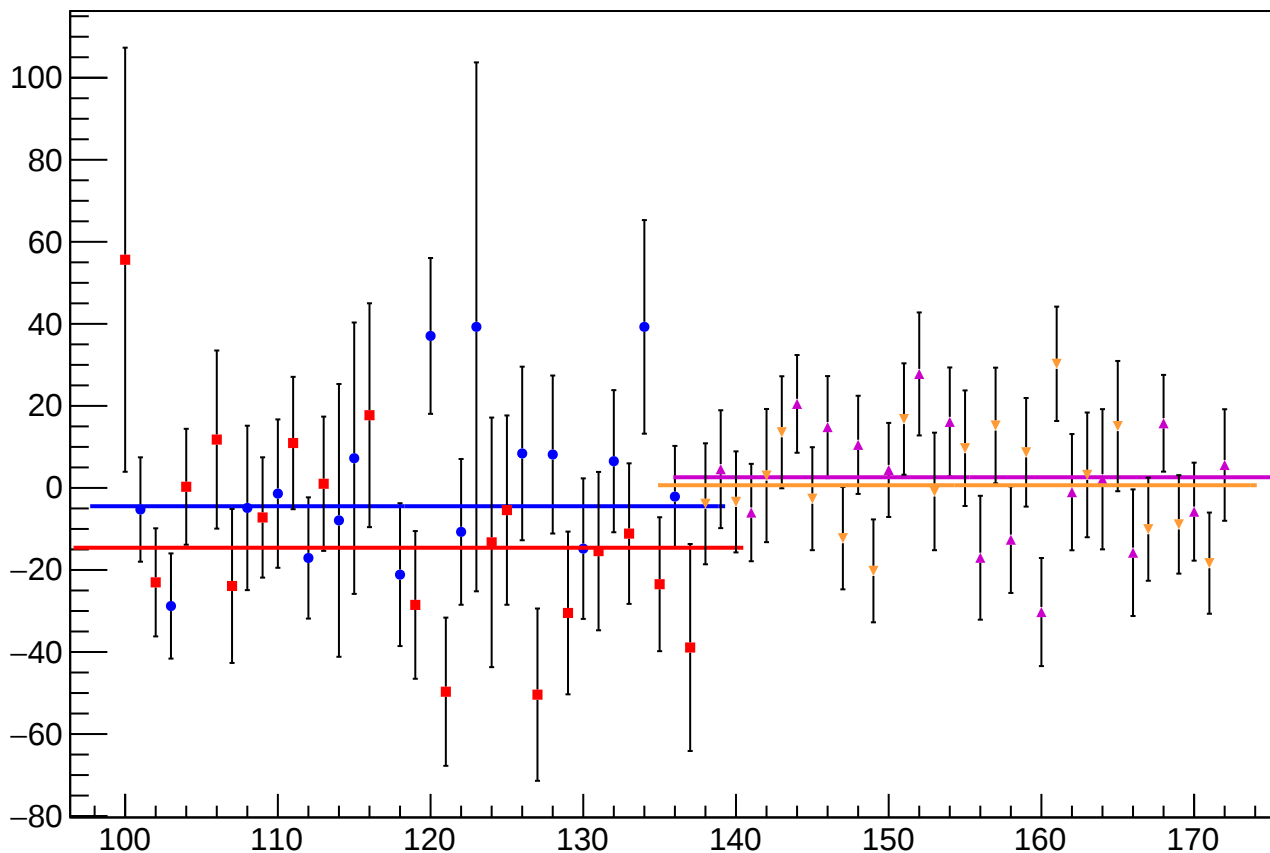
Left In: 21.646 $\pm$ 0.004 χ^2 /NDF:16319.1/16

+ sign 21.776 $\pm$ 0.003 χ^2 /NDF: 31050.7/34

All: 21.744 $\pm$ 0.002 χ^2 /NDF: 64504.5/70

- sign 21.712 $\pm$ 0.003 χ^2 /NDF: 33277.6/35

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.461 ± 4.329 χ^2/NDF : 15.2/16

Left Out: 0.661 ± 3.181 χ^2/NDF : 17.4/17

Right Out: -14.579 ± 4.264 χ^2/NDF : 19.5/18

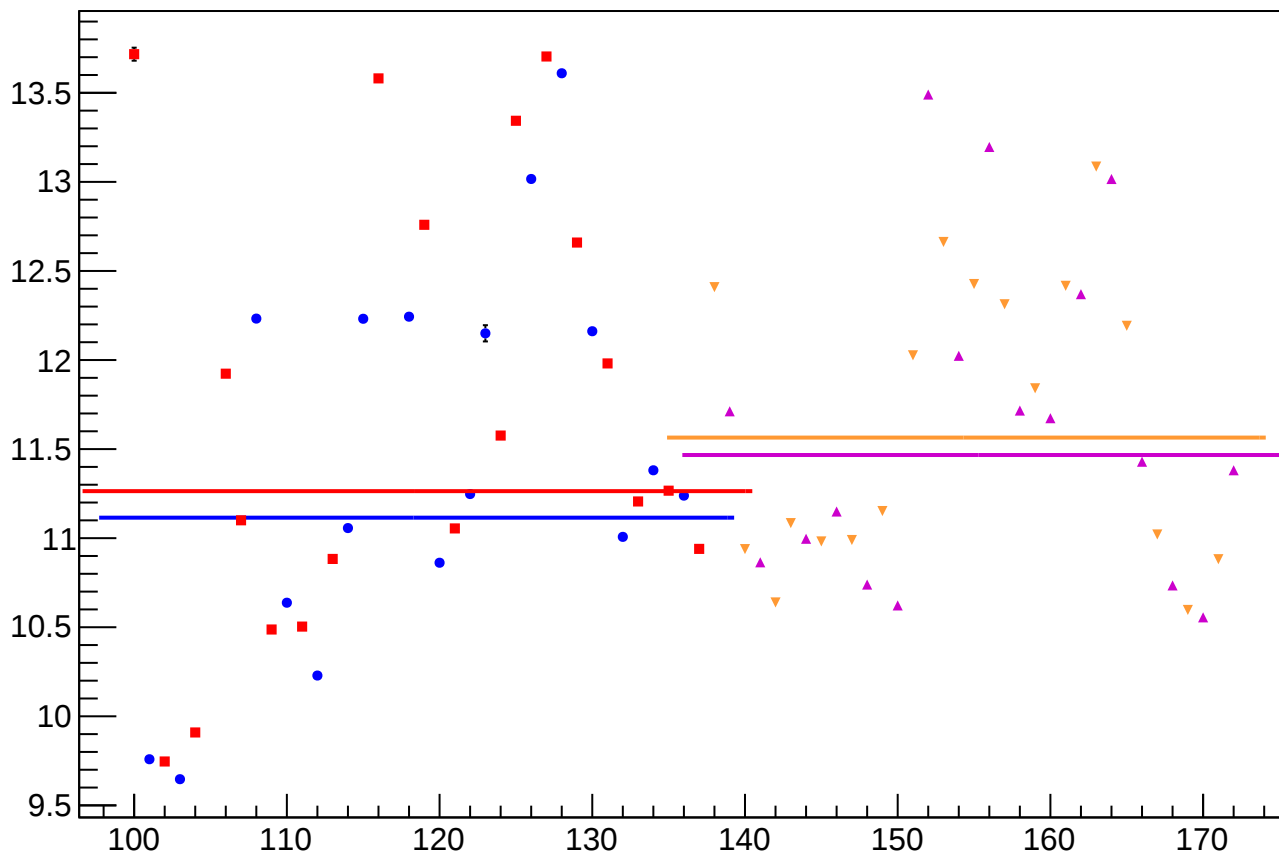
Left In: 2.606 ± 3.187 χ^2/NDF : 20.6/16

+ sign -1.135 ± 2.563 χ^2/NDF : 33.5/34

All: -2.350 ± 1.809 χ^2/NDF : 84.5/70

- sign -3.554 ± 2.553 χ^2/NDF : 50.6/35

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.115 $\pm$ 0.003 χ^2 /NDF: 133059.3/16

Left Out: 11.565 $\pm$ 0.002 χ^2 /NDF: 112939.7/17

Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147483.5/18

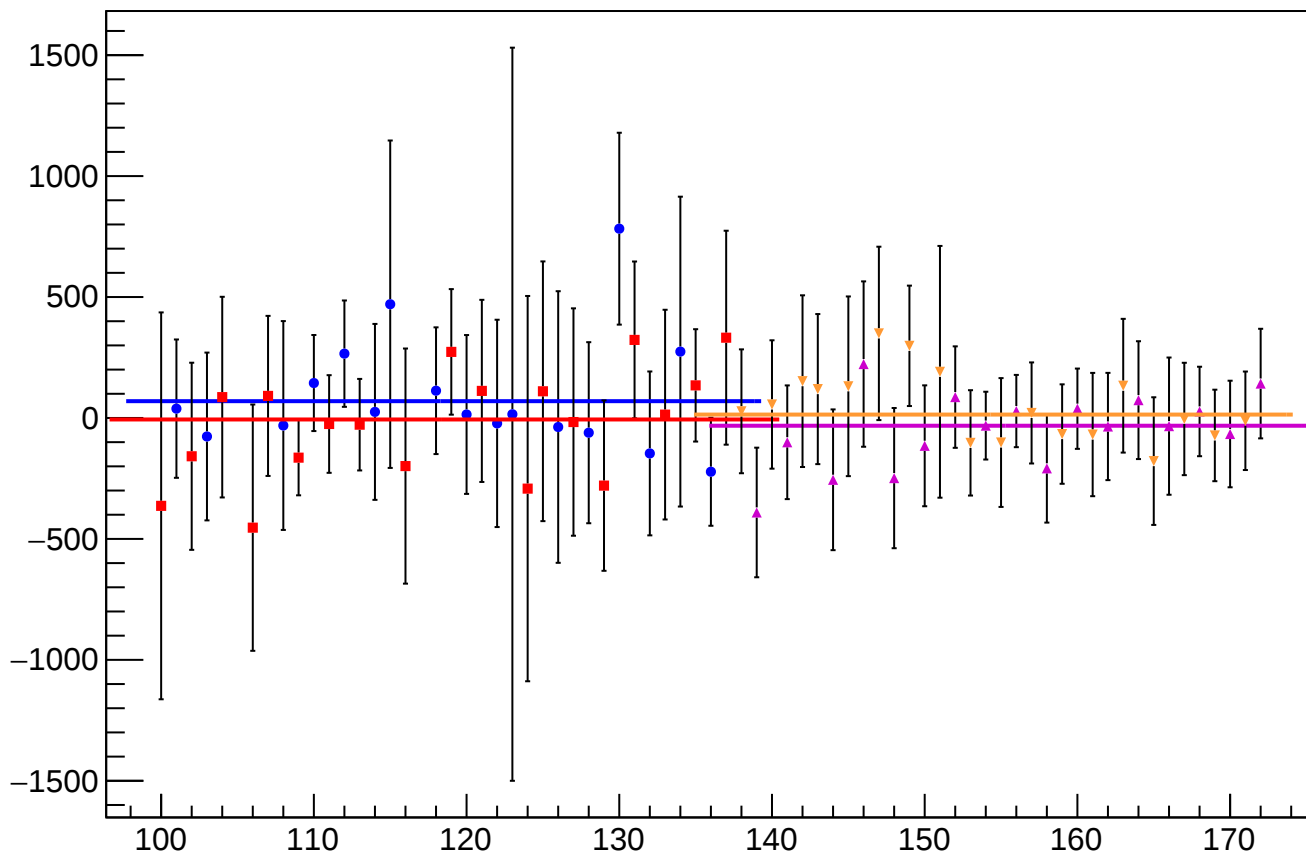
Left In: 11.467 $\pm$ 0.002 χ^2 /NDF: 139781.7/16

+ sign 11.407 $\pm$ 0.002 χ^2 /NDF: 260006.4/34

All: 11.401 $\pm$ 0.001 χ^2 /NDF: 550200.9/70

- sign 11.394 $\pm$ 0.002 χ^2 /NDF: 290169.2/35

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 69.470 ± 79.231 χ^2/NDF : 7.3/16

Left Out: 14.062 ± 59.990 χ^2/NDF : 4.4/17

Right Out: -6.194 ± 70.182 χ^2/NDF : 6.5/18

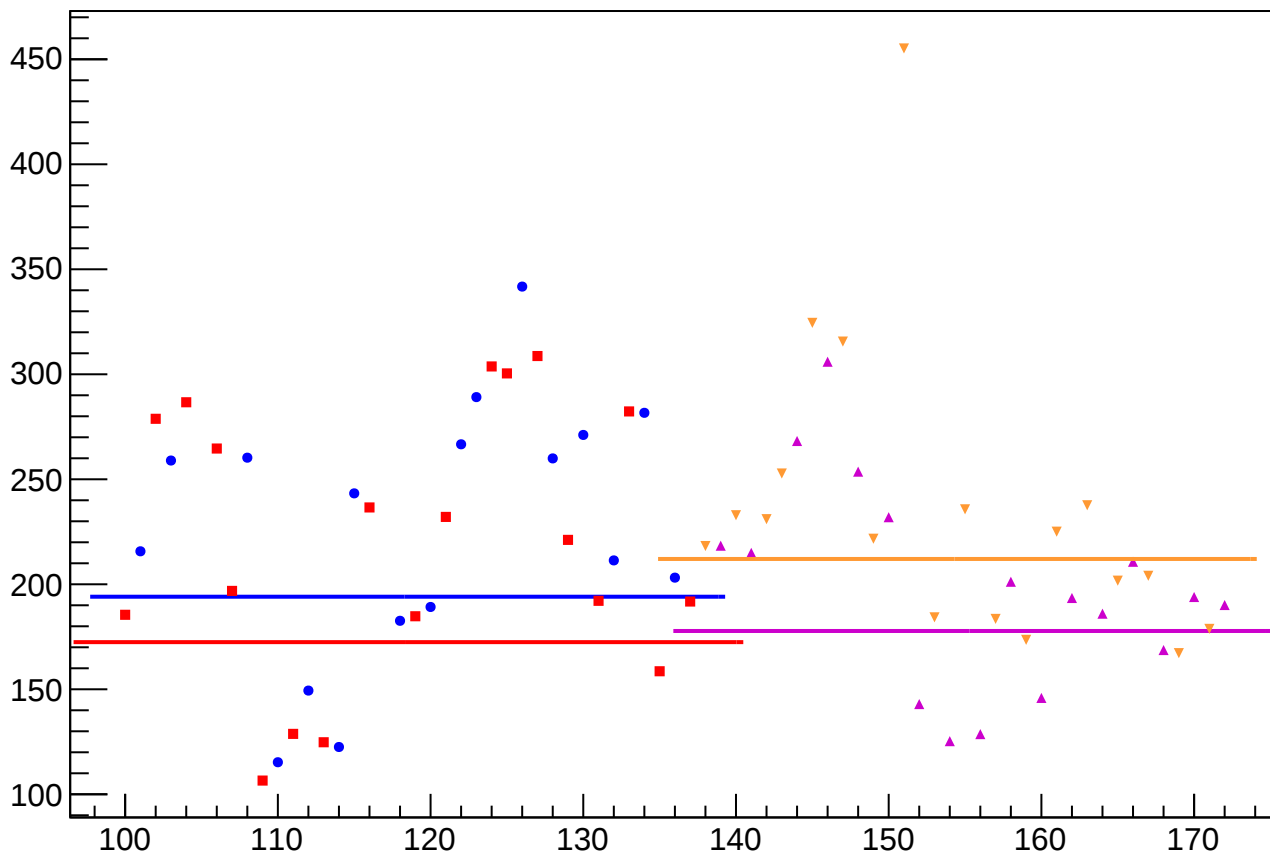
Left In: -32.070 ± 51.717 χ^2/NDF : 5.9/16

+ sign 34.252 ± 47.827 χ^2/NDF : 11.9/34

All: 1.702 ± 31.403 χ^2/NDF : 25.2/70

- sign -22.964 ± 41.634 χ^2/NDF : 12.5/35

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.082 $\pm$ 0.056 χ^2 /NDF: 1005395.7/16

Left Out: 212.057 $\pm$ 0.042 χ^2 /NDF: 1192699.7/17

Right Out: 172.452 $\pm$ 0.050 χ^2 /NDF: 1569463.1/18

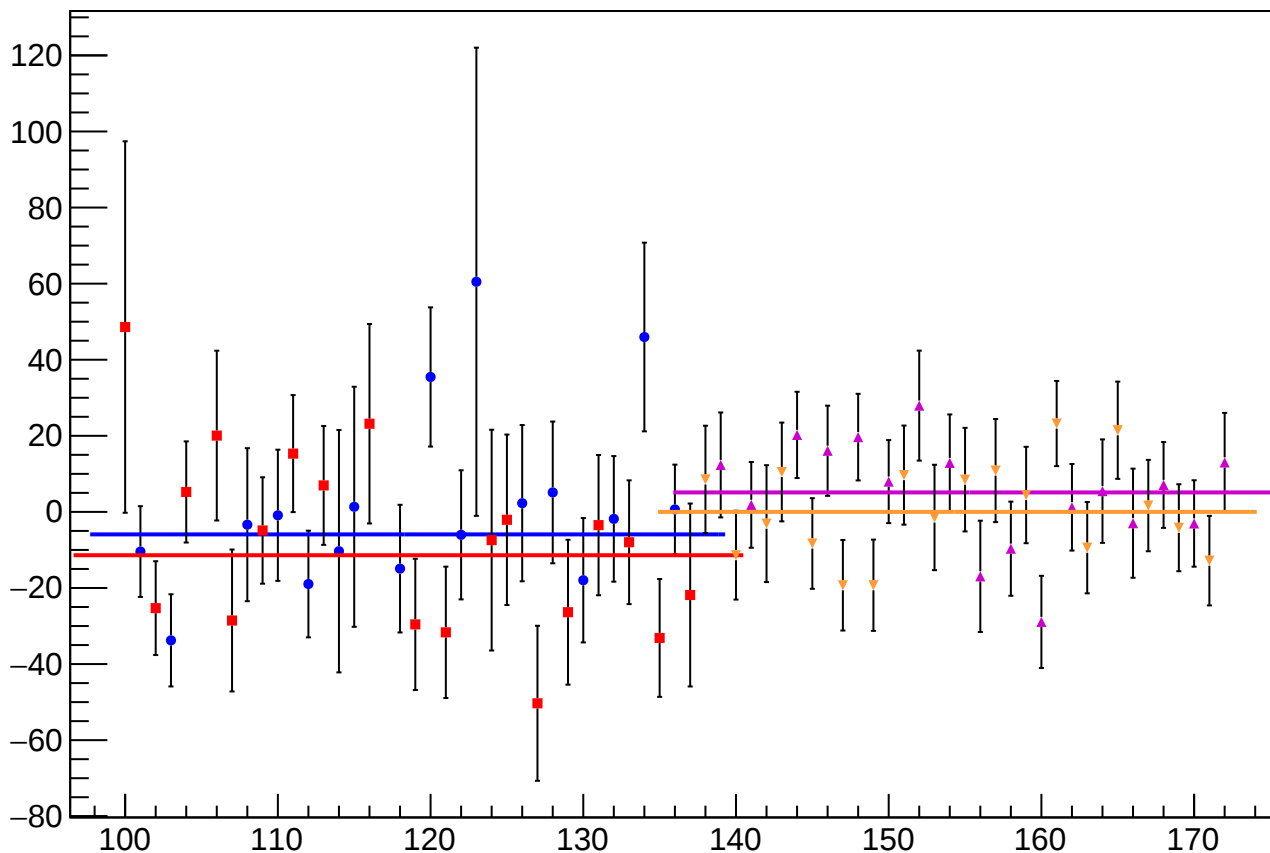
Left In: 177.763 $\pm$ 0.037 χ^2 /NDF: 1509858.8/16

+ sign 205.507 $\pm$ 0.034 χ^2 /NDF: 2263527.3/34

All: 188.660 $\pm$ 0.022 χ^2 /NDF: 5786465.9/70

- sign 175.894 $\pm$ 0.029 χ^2 /NDF: 3086745.9/35

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -5.912 ± 4.133 χ^2/NDF : 18.8/16

Left Out: 0.004 ± 2.954 χ^2/NDF : 18.5/17

Right Out: -11.391 ± 4.079 χ^2/NDF : 22.9/18

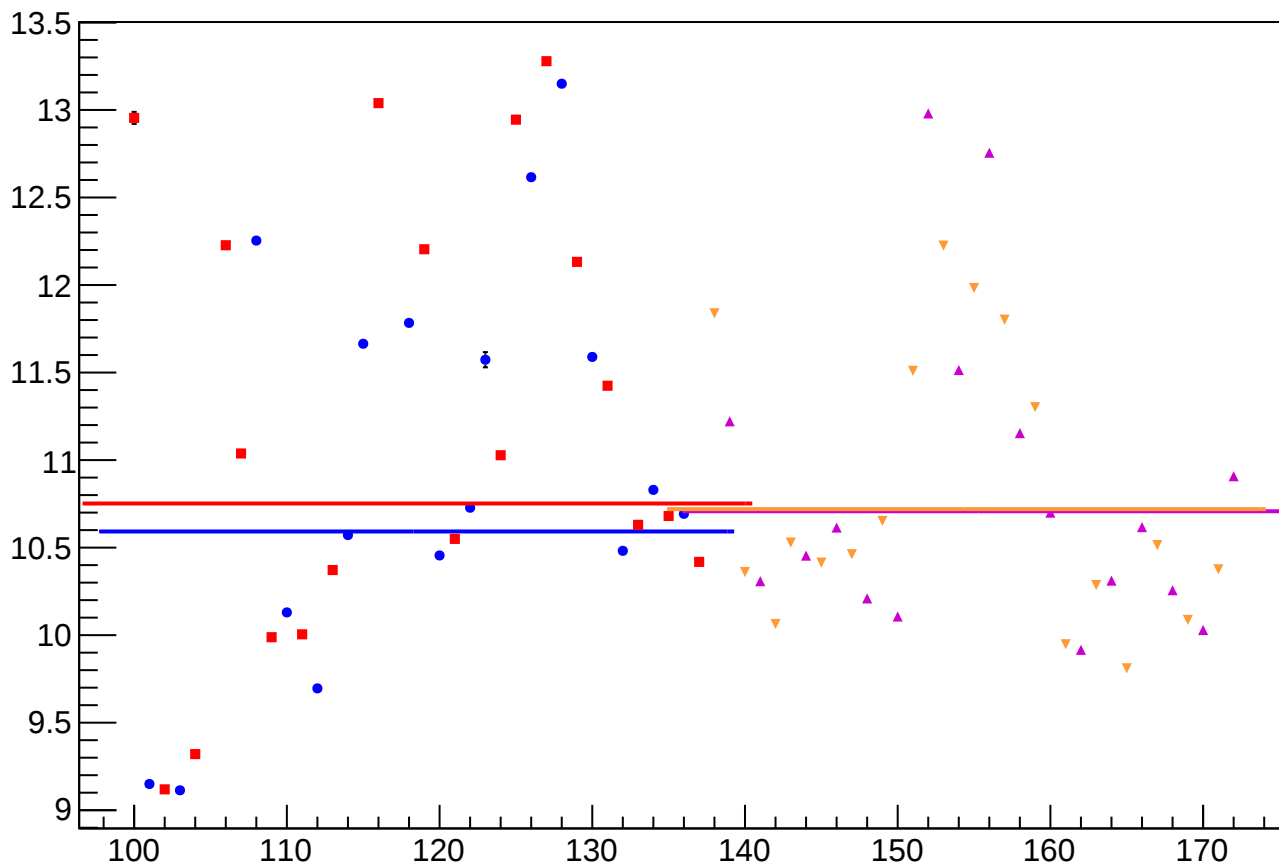
Left In: 5.120 ± 2.980 χ^2/NDF : 20.5/16

+ sign -1.996 ± 2.403 χ^2/NDF : 38.7/34

All: -1.313 ± 1.700 χ^2/NDF : 92.9/70

- sign -0.628 ± 2.406 χ^2/NDF : 54.0/35

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.592 $\pm$ 0.003 χ^2 /NDF: 160397.9/16

Left Out: 10.720 $\pm$ 0.002 χ^2 /NDF:116691.9/17

Right Out: 10.752 $\pm$ 0.003 χ^2 /NDF: 176895.3/18

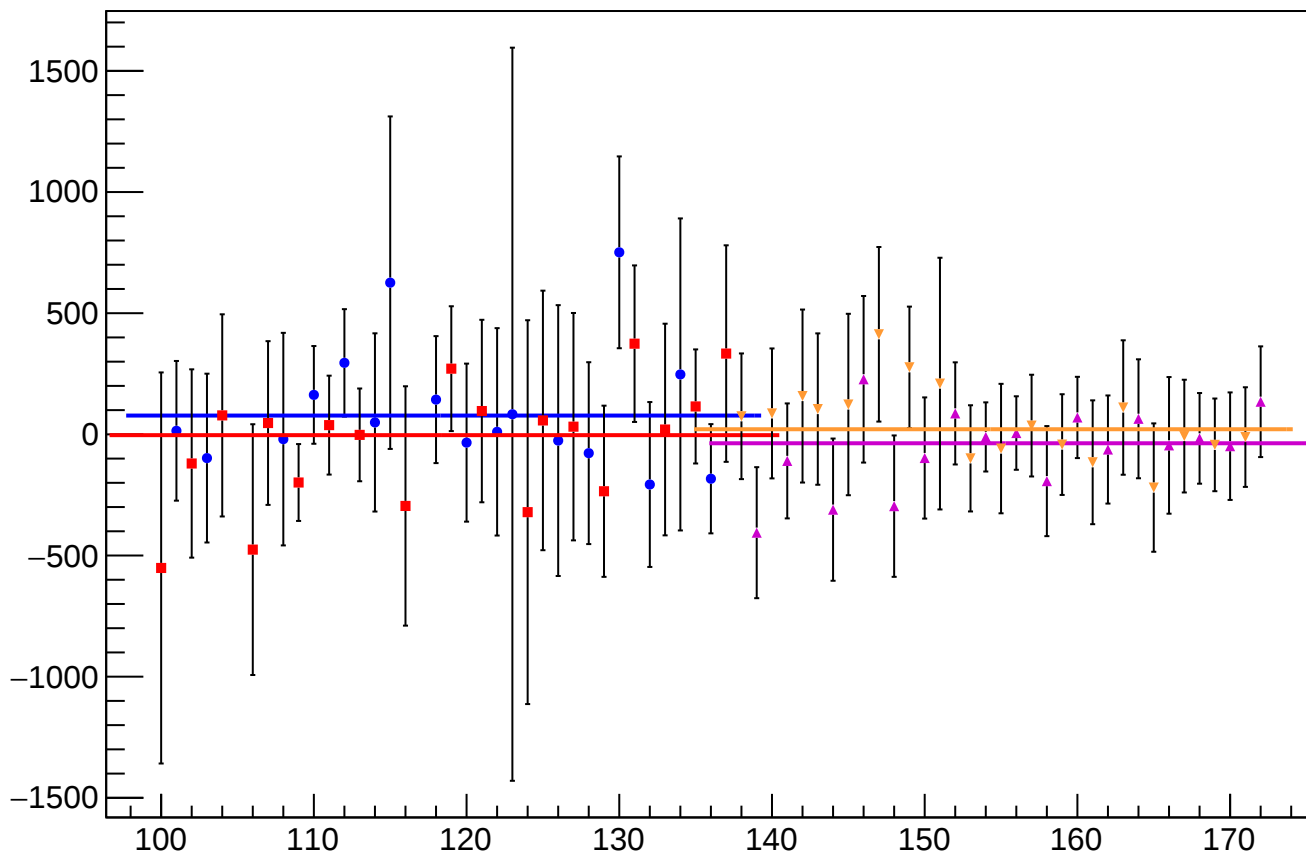
Left In: 10.708 $\pm$ 0.002 χ^2 /NDF:137834.6/16

+ sign 10.677 $\pm$ 0.002 χ^2 /NDF: 278351.4/34

All: 10.700 $\pm$ 0.001 χ^2 /NDF: 593607.8/70

- sign 10.723 $\pm$ 0.002 χ^2 /NDF: 314884.0/35

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 77.589 +/- 79.751 χ^2/NDF : 7.6/16

Left Out: 21.107 +/- 60.403 χ^2/NDF : 4.6/17

Right Out: -3.305 +/- 70.855 χ^2/NDF : 7.4/18

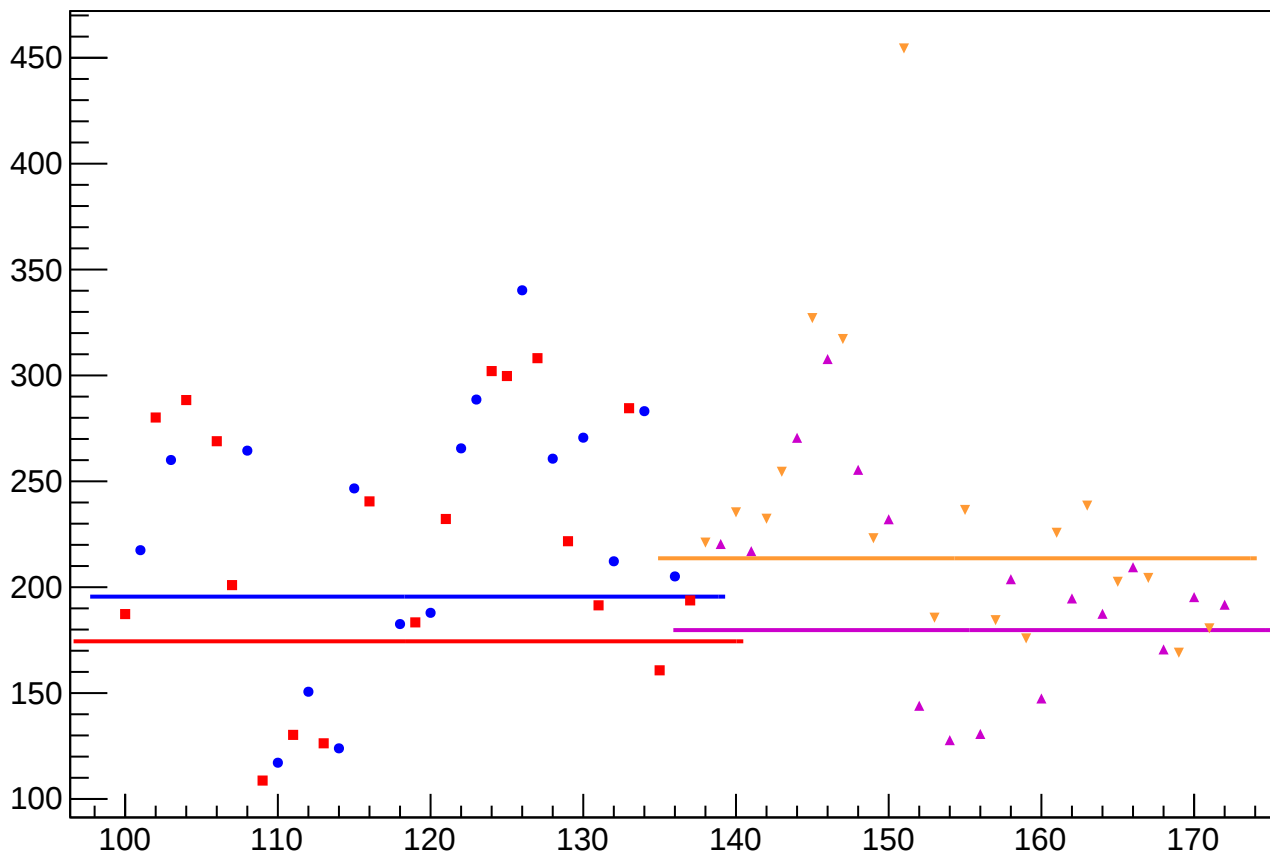
Left In: -36.738 +/- 52.227 χ^2/NDF : 6.4/16

+ sign 41.697 +/- 48.151 χ^2/NDF : 12.5/34

All: 3.868 +/- 31.669 χ^2/NDF : 27.4/70

- sign -24.968 +/- 42.040 χ^2/NDF : 13.9/35

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.551 $\pm$ 0.056 χ^2 /NDF: 979937.7/16

Left Out: 213.656 $\pm$ 0.043 χ^2 /NDF: 1175978.5/17

Right Out: 174.449 $\pm$ 0.050 χ^2 /NDF: 1528629.1/18

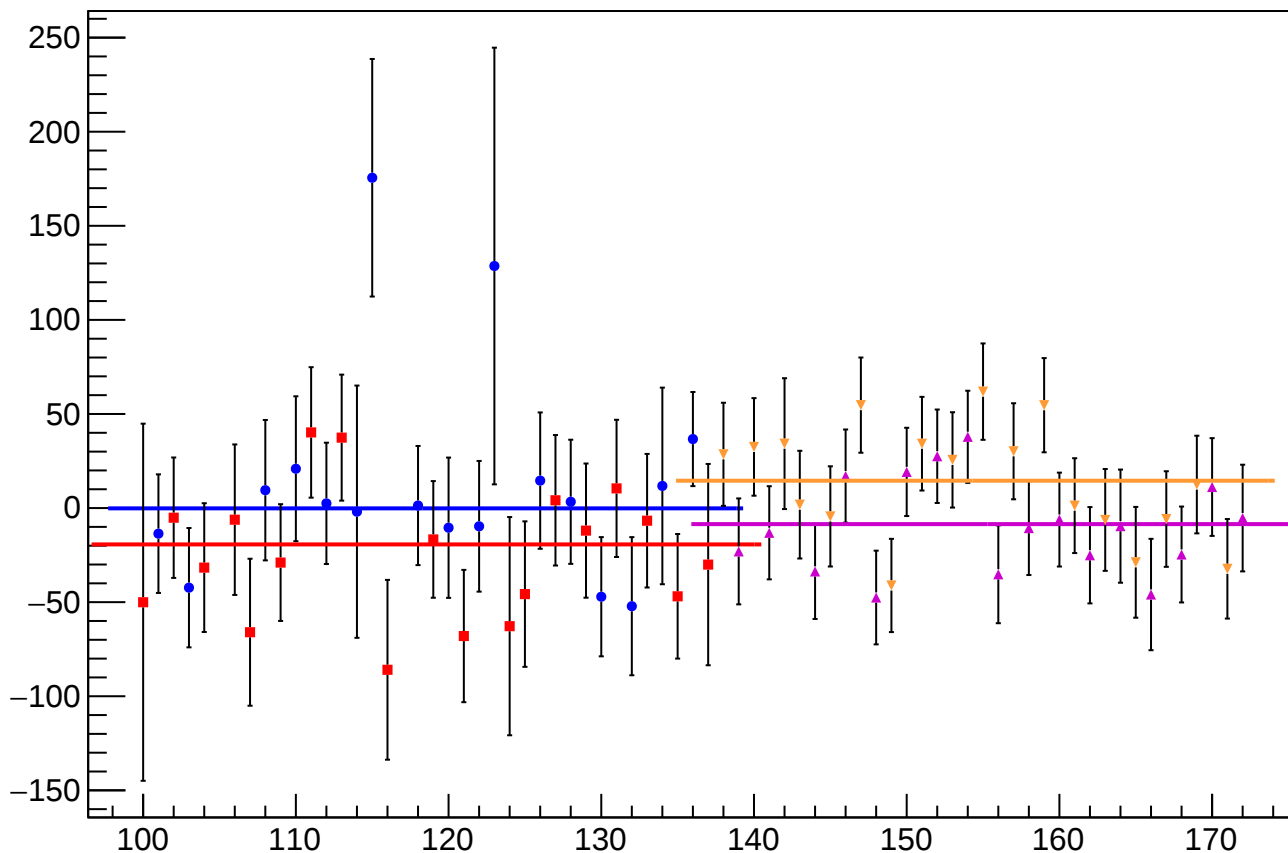
Left In: 179.746 $\pm$ 0.037 χ^2 /NDF: 1467305.6/16

+ sign 207.056 $\pm$ 0.034 χ^2 /NDF: 2221415.4/34

All: 190.501 $\pm$ 0.022 χ^2 /NDF: 5641226.9/70

- sign 177.881 $\pm$ 0.030 χ^2 /NDF: 3003175.9/35

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -0.158 ± 8.826 χ^2/NDF : 18.1/16

Left Out: 14.533 ± 6.219 χ^2/NDF : 23.3/17

Right Out: -19.316 ± 8.554 χ^2/NDF : 14.8/18

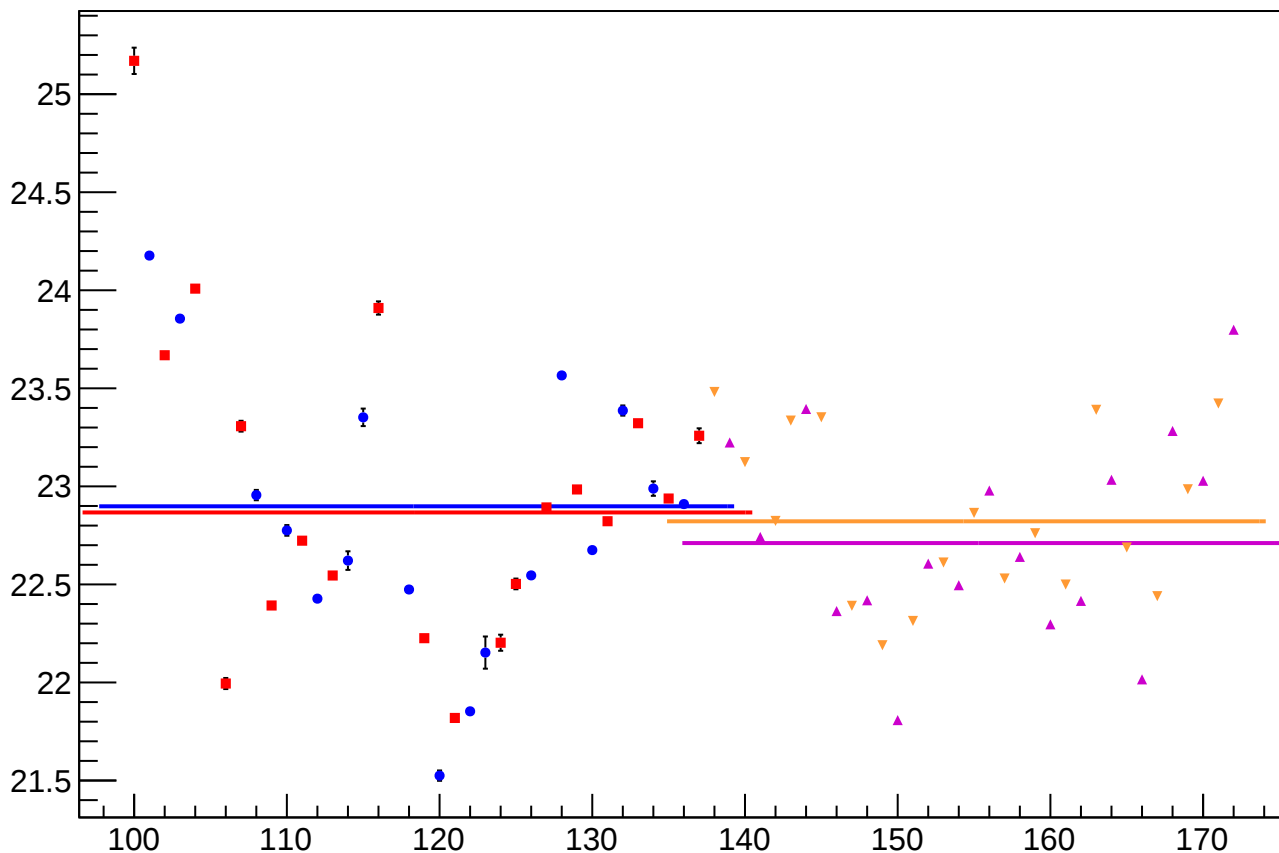
Left In: -8.526 ± 6.256 χ^2/NDF : 16.0/16

+ sign 9.659 ± 5.084 χ^2/NDF : 43.2/34

All: -1.387 ± 3.583 χ^2/NDF : 84.5/70

- sign -12.286 ± 5.049 χ^2/NDF : 31.8/35

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.898 $\pm$ 0.006 χ^2 /NDF: 12143.3/16

Left Out: 22.822 $\pm$ 0.004 χ^2 /NDF: 8814.4/17

Right Out: 22.867 $\pm$ 0.006 χ^2 /NDF: 11048.4/18

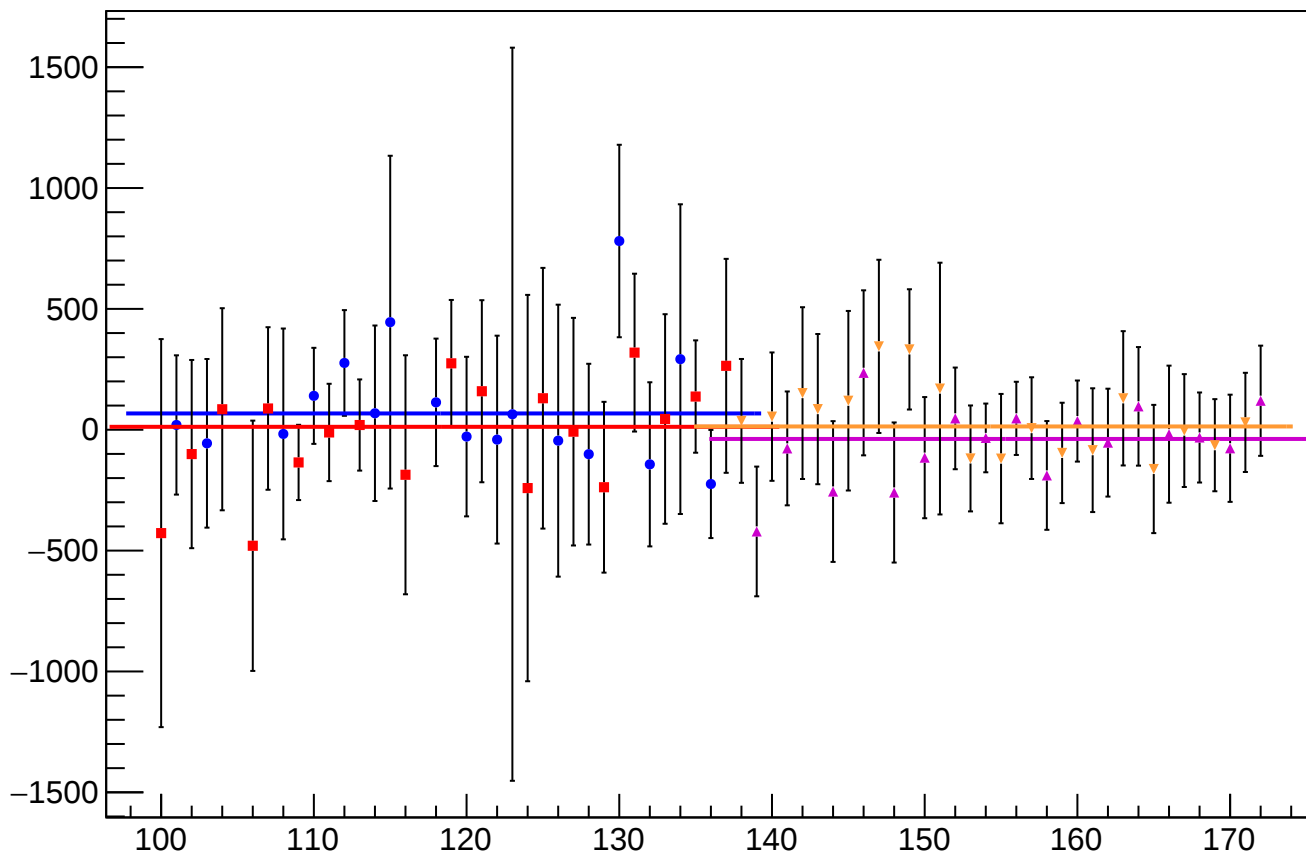
Left In: 22.711 $\pm$ 0.004 χ^2 /NDF: 12585.7/16

+ sign 22.847 $\pm$ 0.004 χ^2 /NDF: 21058.2/34

All: 22.806 $\pm$ 0.003 χ^2 /NDF: 45387.8/70

- sign 22.765 $\pm$ 0.004 χ^2 /NDF: 24068.1/35

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.449 $\pm$ 79.404 χ^2 /NDF: 7.4/16

Left Out: 13.601 $\pm$ 60.277 χ^2 /NDF: 4.7/17

Right Out: 12.117 $\pm$ 70.355 χ^2 /NDF: 5.8/18

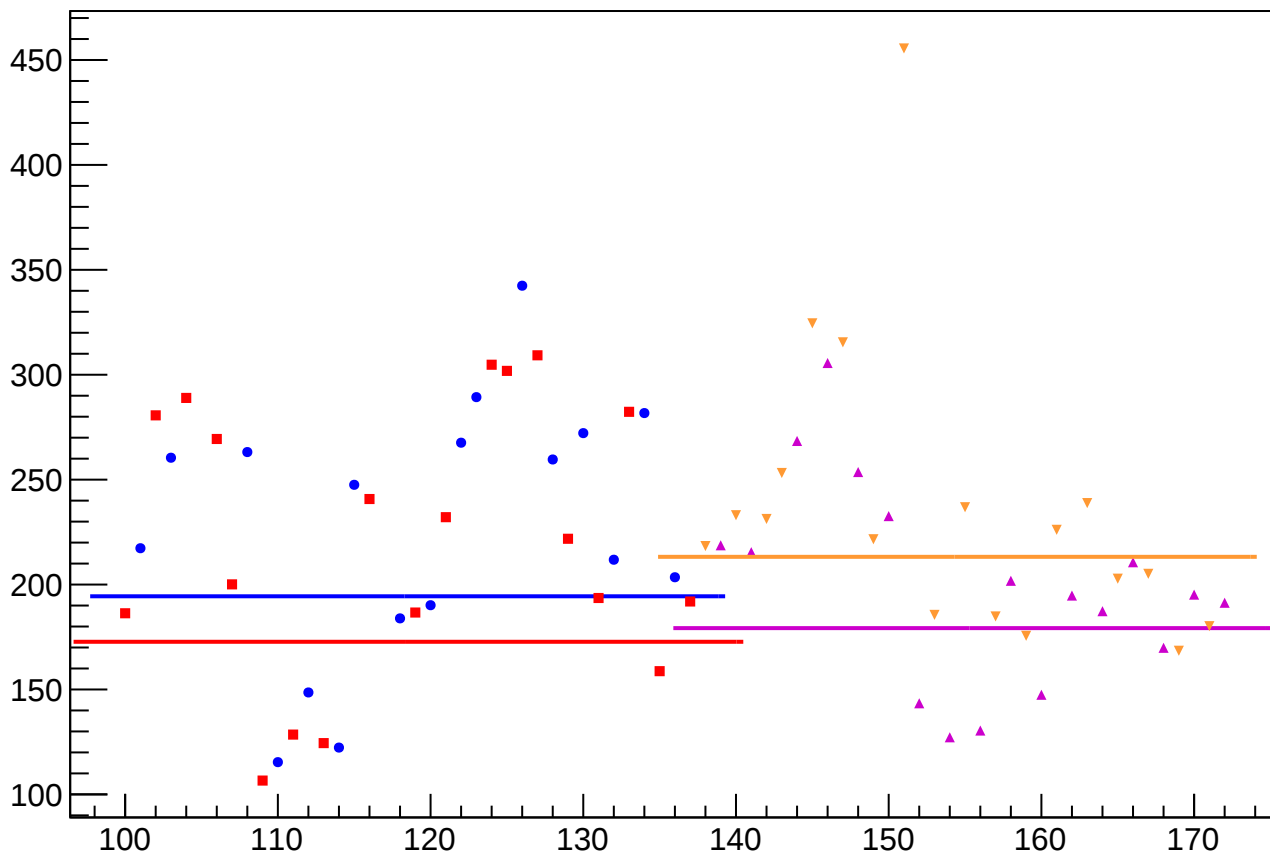
Left In: -38.087 $\pm$ 52.081 χ^2 /NDF: 5.9/16

+ sign 33.287 $\pm$ 48.011 χ^2 /NDF: 12.4/34

All: 2.835 $\pm$ 31.551 χ^2 /NDF: 25.1/70

- sign -20.315 $\pm$ 41.860 χ^2 /NDF: 12.0/35

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.411 $\pm$ 0.056 χ^2 /NDF: 1019913.2/16

Left Out: 213.219 $\pm$ 0.043 χ^2 /NDF: 1167217.9/17

Right Out: 172.730 $\pm$ 0.050 χ^2 /NDF: 1596758.0/18

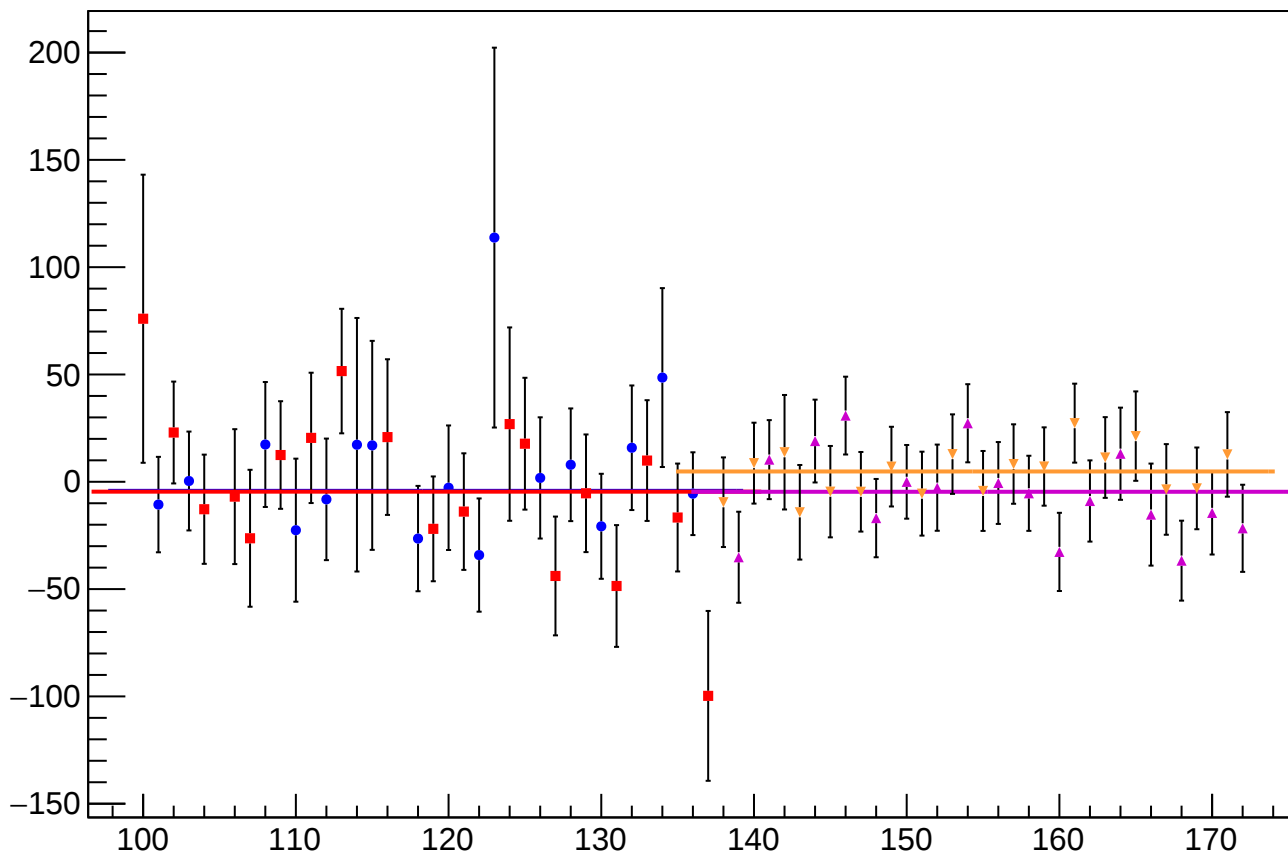
Left In: 179.240 $\pm$ 0.037 χ^2 /NDF: 1457628.7/16

+ sign 206.343 $\pm$ 0.034 χ^2 /NDF: 2258318.6/34

All: 189.636 $\pm$ 0.022 χ^2 /NDF: 5750051.0/70

- sign 176.936 $\pm$ 0.030 χ^2 /NDF: 3065448.3/35

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.223 ± 6.871 χ^2/NDF : 8.0/16

Left Out: 4.809 ± 4.633 χ^2/NDF : 5.3/17

Right Out: -4.599 ± 6.725 χ^2/NDF : 21.1/18

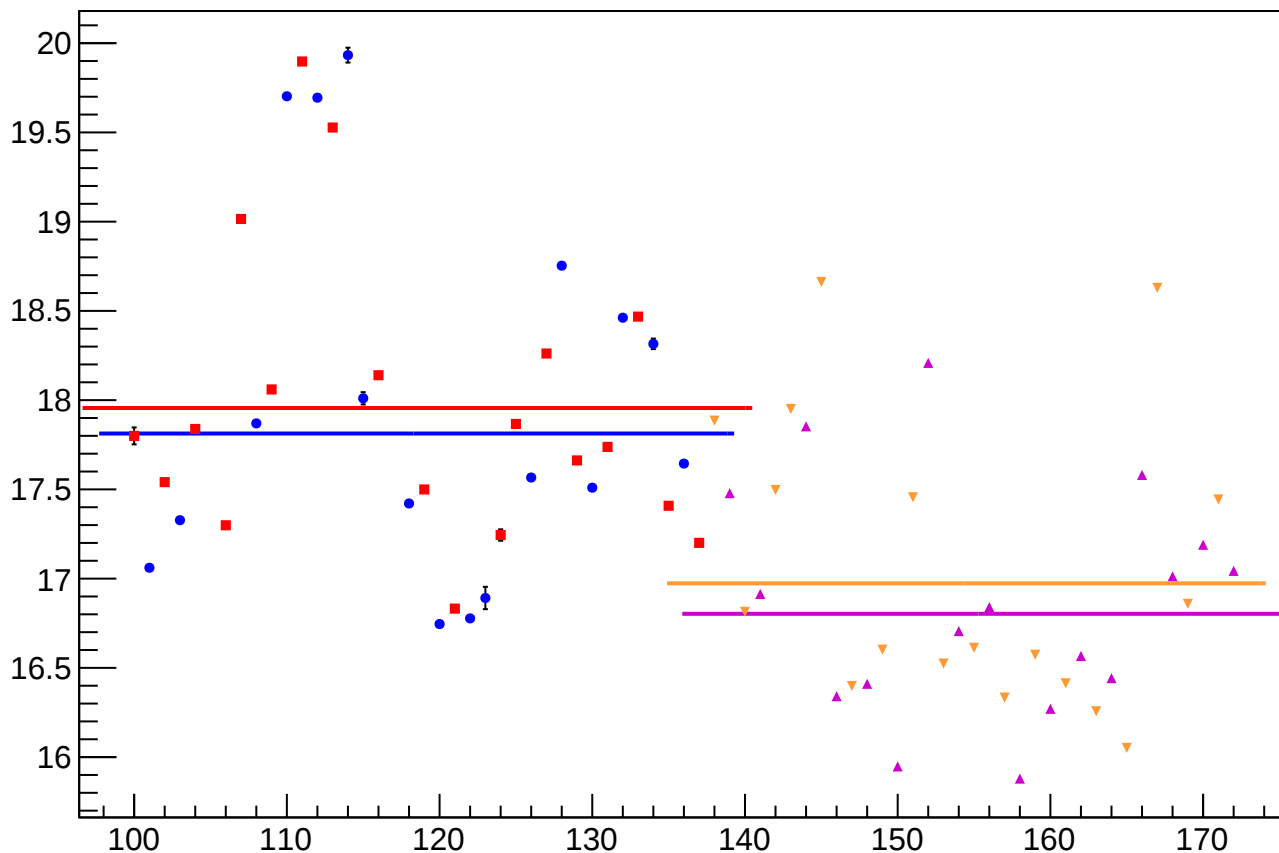
Left In: -4.655 ± 4.636 χ^2/NDF : 19.0/16

+ sign 1.986 ± 3.842 χ^2/NDF : 14.5/34

All: -1.347 ± 2.708 χ^2/NDF : 56.1/70

- sign -4.637 ± 3.817 χ^2/NDF : 40.0/35

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.813 $\pm$ 0.005 χ^2/NDF : 32034.8/16

Left Out: 16.974 $\pm$ 0.003 χ^2/NDF : 52627.5/17

Right Out: 17.956 $\pm$ 0.005 χ^2/NDF : 25445.3/18

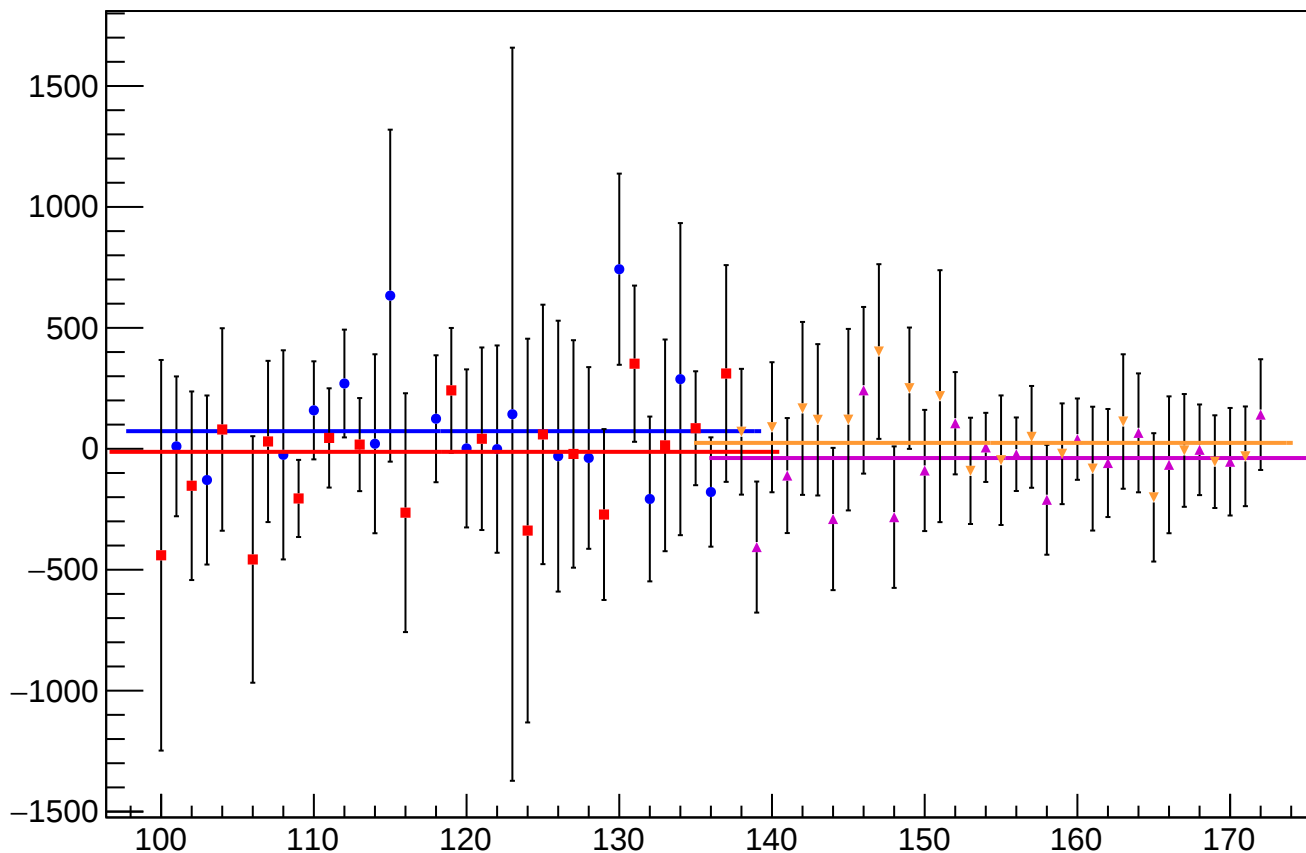
Left In: 16.803 $\pm$ 0.003 χ^2/NDF : 36699.6/16

+ sign 17.236 $\pm$ 0.003 χ^2/NDF : 105171.8/34

All: 17.205 $\pm$ 0.002 χ^2/NDF : 207420.2/70

- sign 17.174 $\pm$ 0.003 χ^2/NDF : 101989.7/35

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 72.888 $\pm$ 79.948 χ^2 /NDF: 7.2/16

Left Out: 24.478 $\pm$ 60.539 χ^2 /NDF: 4.1/17

Right Out: -12.565 $\pm$ 71.013 χ^2 /NDF: 6.7/18

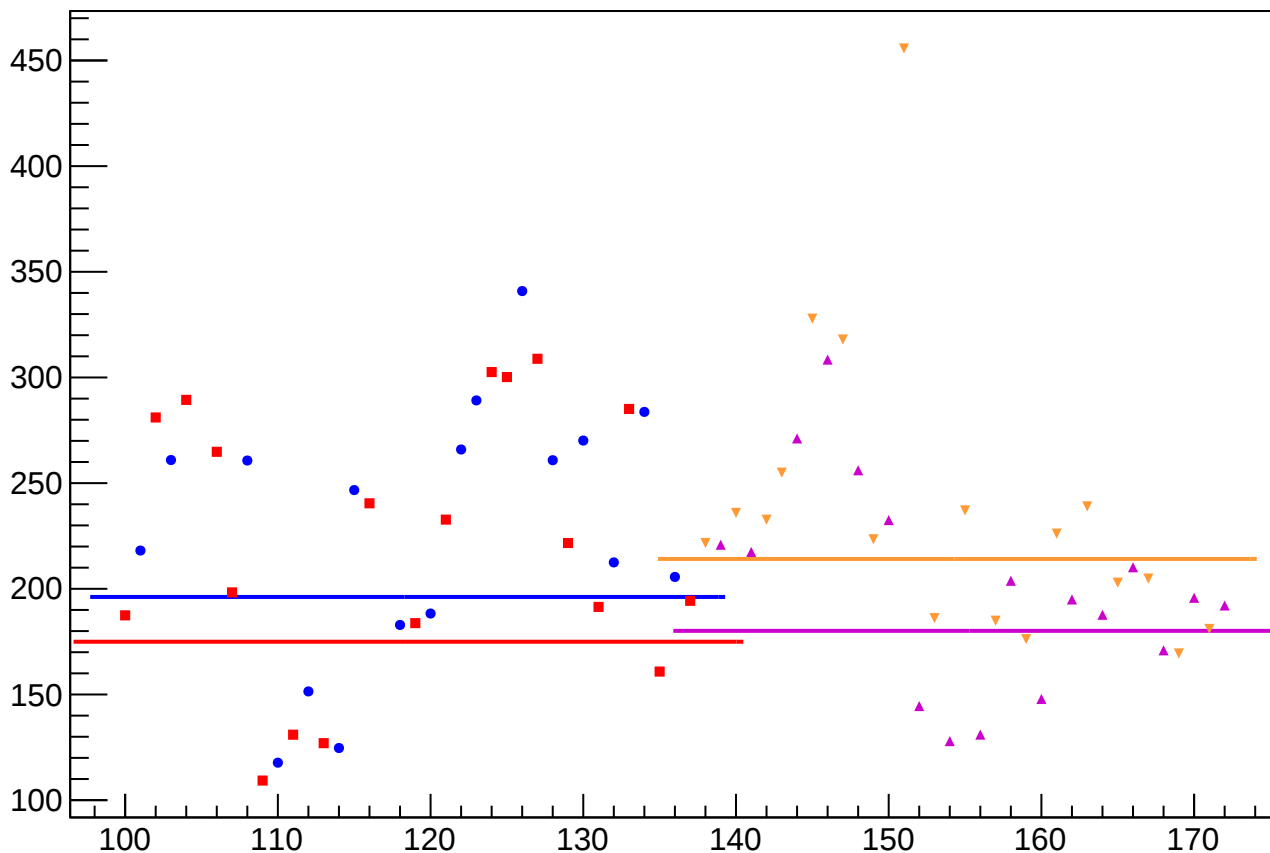
Left In: -38.207 $\pm$ 52.333 χ^2 /NDF: 6.3/16

+ sign 42.120 $\pm$ 48.263 χ^2 /NDF: 11.6/34

All: 1.652 $\pm$ 31.738 χ^2 /NDF: 25.9/70

- sign -29.182 $\pm$ 42.129 χ^2 /NDF: 13.1/35

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.151 $\pm$ 0.057 χ^2 /NDF: 964998.4/16

Left Out: 214.135 $\pm$ 0.043 χ^2 /NDF:1175987.2/17

Right Out: 174.965 $\pm$ 0.050 χ^2 /NDF: 1510956.5/18

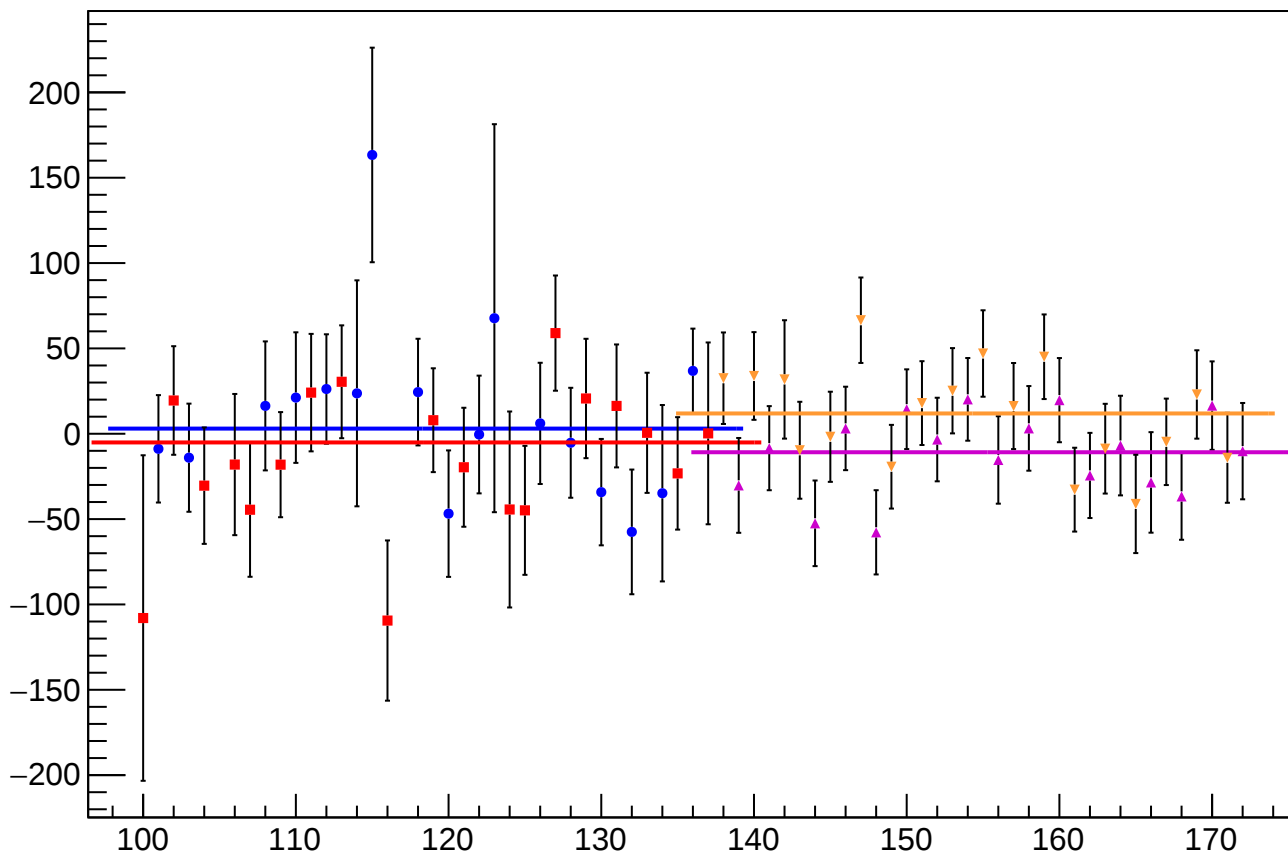
Left In: 180.109 $\pm$ 0.037 χ^2 /NDF:1467057.3/16

+ sign 207.581 $\pm$ 0.034 χ^2 /NDF: 2205305.6/34

All: 190.962 $\pm$ 0.022 χ^2 /NDF: 5607964.1/70

- sign 178.299 $\pm$ 0.030 χ^2 /NDF: 2984816.4/35

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 3.022 ± 8.751 χ^2/NDF : 17.2/16

Left Out: 11.891 ± 6.143 χ^2/NDF : 21.9/17

Right Out: -5.092 ± 8.477 χ^2/NDF : 17.2/18

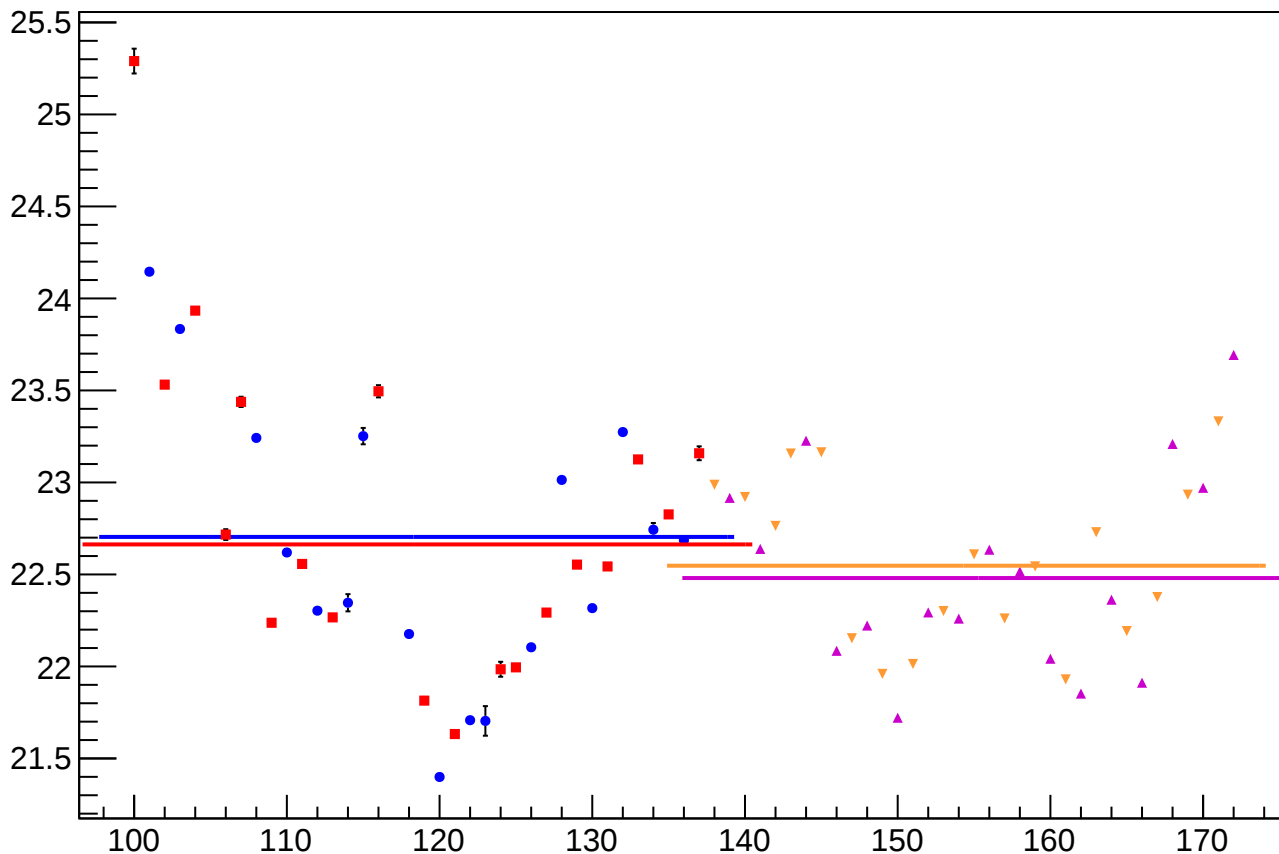
Left In: -10.830 ± 6.192 χ^2/NDF : 14.8/16

+ sign 8.963 ± 5.028 χ^2/NDF : 39.7/34

All: 0.016 ± 3.546 χ^2/NDF : 78.3/70

- sign -8.834 ± 5.000 χ^2/NDF : 32.3/35

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.704 $\pm$ 0.006 χ^2 /NDF: 14105.8/16

Left Out: 22.547 $\pm$ 0.004 χ^2 /NDF: 10080.6/17

Right Out: 22.663 $\pm$ 0.006 χ^2 /NDF: 12943.4/18

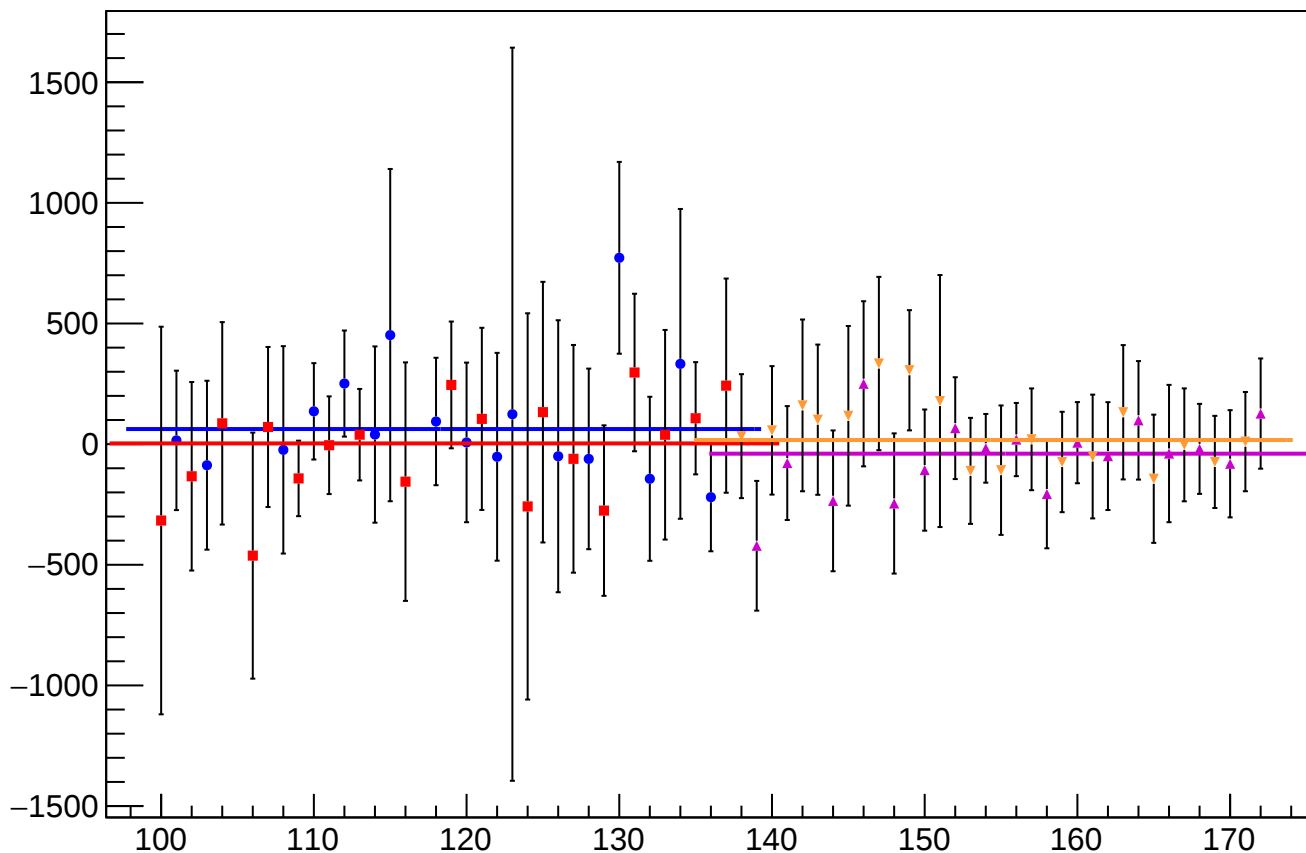
Left In: 22.480 $\pm$ 0.004 χ^2 /NDF: 14293.1/16

+ sign 22.599 $\pm$ 0.004 χ^2 /NDF: 24614.6/34

All: 22.571 $\pm$ 0.003 χ^2 /NDF: 52577.7/70

- sign 22.544 $\pm$ 0.004 χ^2 /NDF: 27842.4/35

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 62.573 $\pm$ 79.605 χ^2 /NDF: 7.0/16

Left Out: 17.027 $\pm$ 60.412 χ^2 /NDF: 4.1/17

Right Out: 3.038 $\pm$ 70.518 χ^2 /NDF: 5.2/18

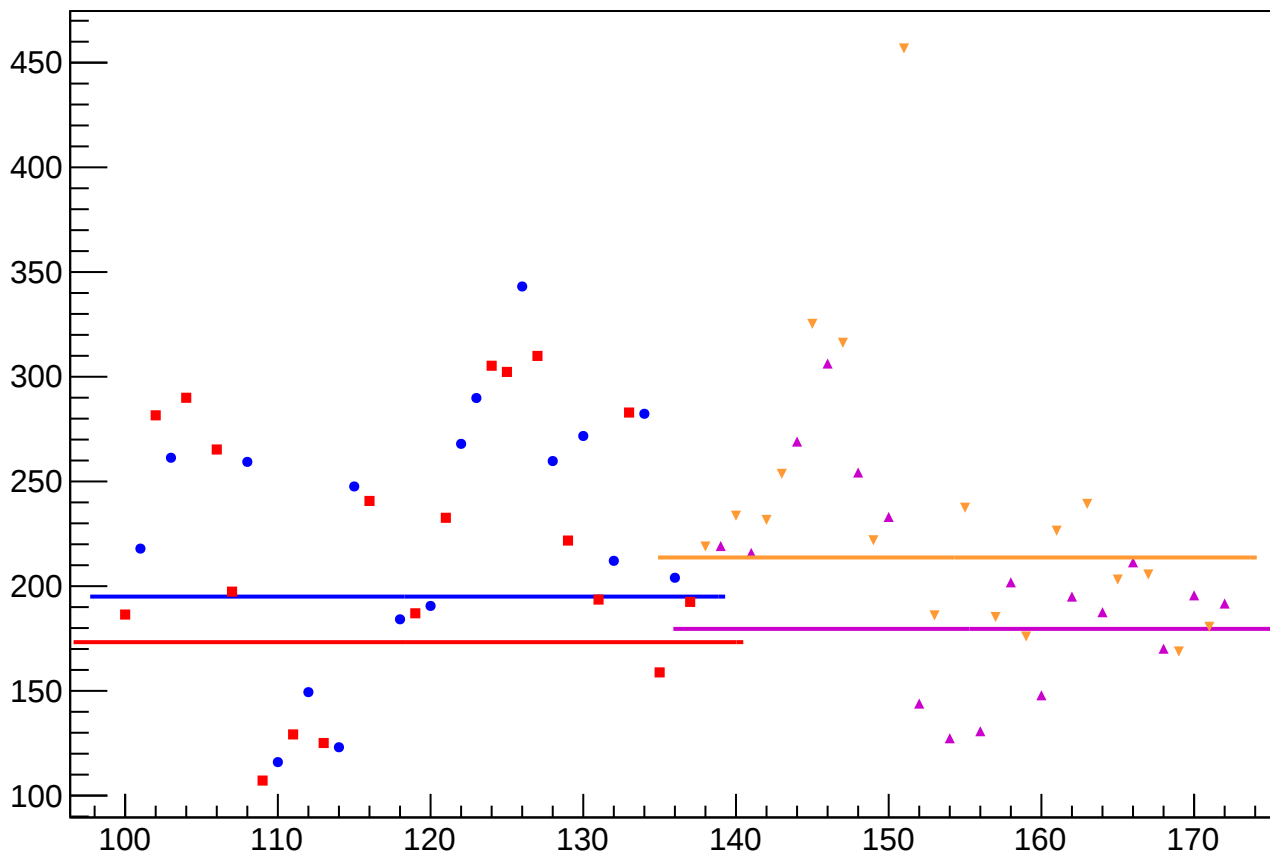
Left In: -39.495 $\pm$ 52.187 χ^2 /NDF: 5.7/16

+ sign 33.672 $\pm$ 48.123 χ^2 /NDF: 11.4/34

All: 0.649 $\pm$ 31.621 χ^2 /NDF: 23.4/70

- sign -24.444 $\pm$ 41.949 χ^2 /NDF: 11.2/35

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.022 +/- 0.056 χ^2/NDF : 1004284.9/16

Left Out: 213.697 +/- 0.043 χ^2/NDF : 1167230.7/17

Right Out: 173.262 +/- 0.050 χ^2/NDF : 1578202.7/18

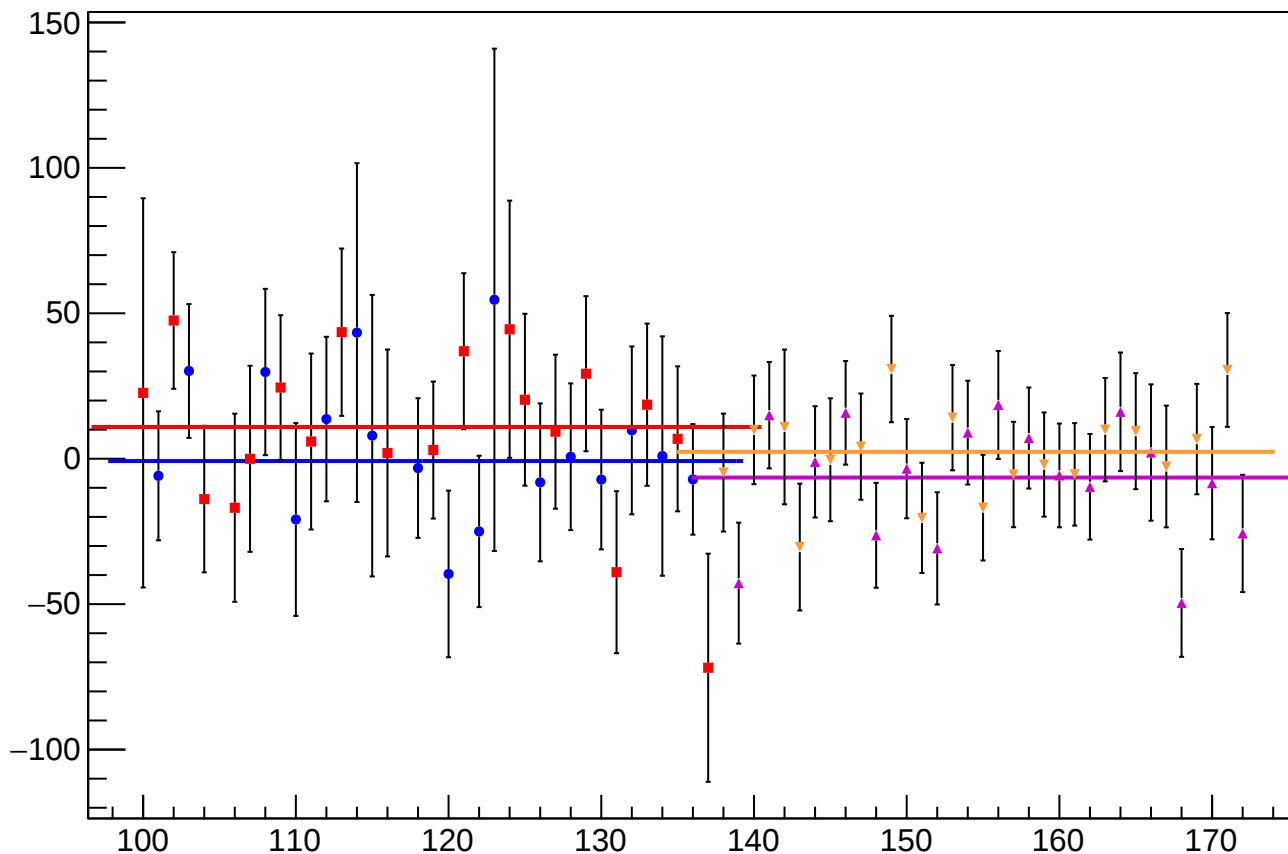
Left In: 179.602 +/- 0.037 χ^2/NDF : 1457474.6/16

+ sign 206.872 +/- 0.034 χ^2/NDF : 2241361.2/34

All: 190.101 +/- 0.022 χ^2/NDF : 5714936.6/70

- sign 177.358 +/- 0.030 χ^2/NDF : 3046124.3/35

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -0.801 ± 6.770 $\chi^2/\text{NDF}: 7.8/16$

Left Out: 2.371 ± 4.534 $\chi^2/\text{NDF}: 11.0/17$

Right Out: 10.912 ± 6.626 $\chi^2/\text{NDF}: 15.9/18$

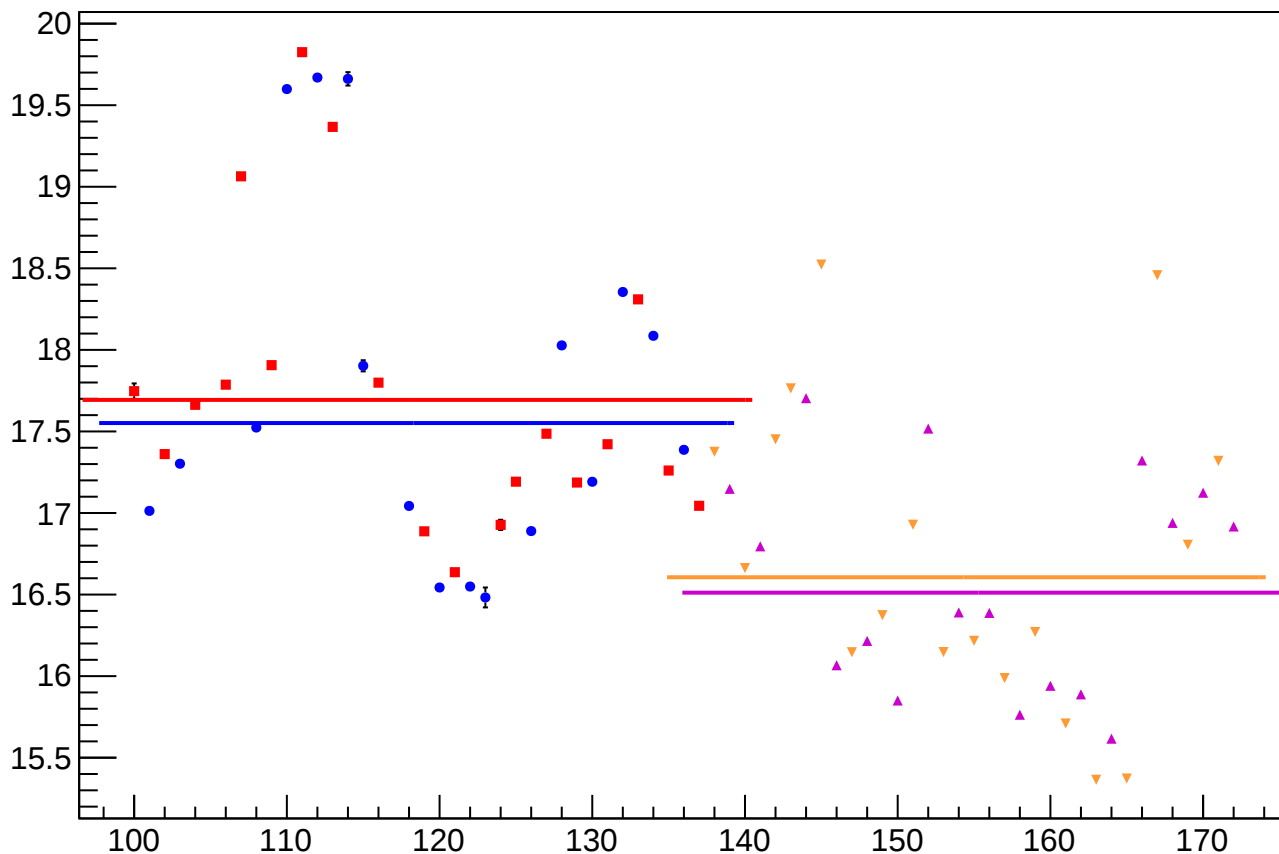
Left In: -6.476 ± 4.555 $\chi^2/\text{NDF}: 19.8/16$

+ sign 1.389 ± 3.767 $\chi^2/\text{NDF}: 18.9/34$

All: 0.242 ± 2.659 $\chi^2/\text{NDF}: 59.5/70$

- sign -0.896 ± 3.754 $\chi^2/\text{NDF}: 40.4/35$

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.552 $\pm$ 0.005 χ^2 /NDF: 34027.1/16

Left Out: 16.606 $\pm$ 0.003 χ^2 /NDF: 75550.8/17

Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30742.0/18

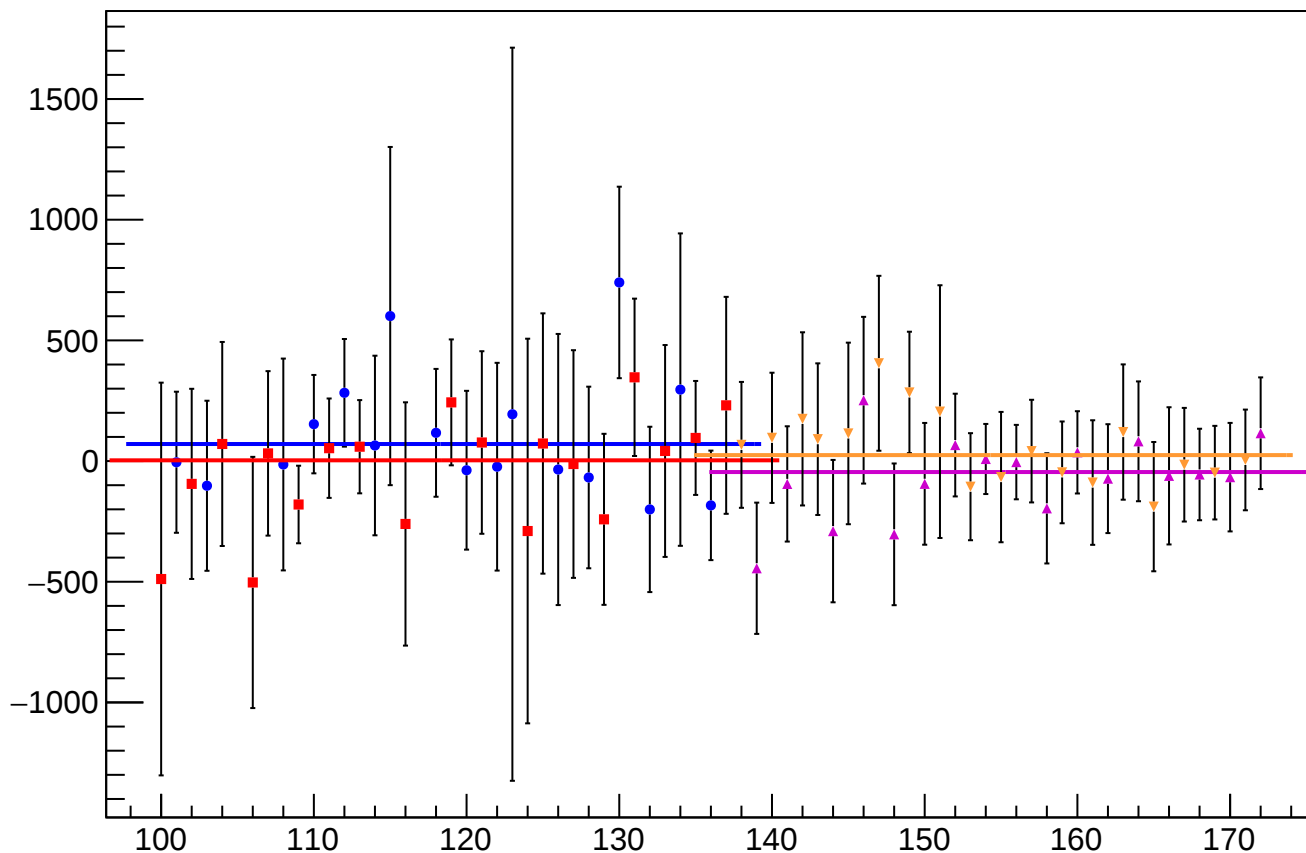
Left In: 16.512 $\pm$ 0.003 χ^2 /NDF: 38779.3/16

+ sign 16.899 $\pm$ 0.003 χ^2 /NDF: 136506.8/34

All: 16.895 $\pm$ 0.002 χ^2 /NDF: 249225.3/70

- sign 16.891 $\pm$ 0.003 χ^2 /NDF: 112714.1/35

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 70.634+/-80.409 χ^2/NDF : 7.2/16

Left Out: 24.705+/-61.030 χ^2/NDF : 4.4/17

Right Out: 3.063+/-71.508 χ^2/NDF : 6.2/18

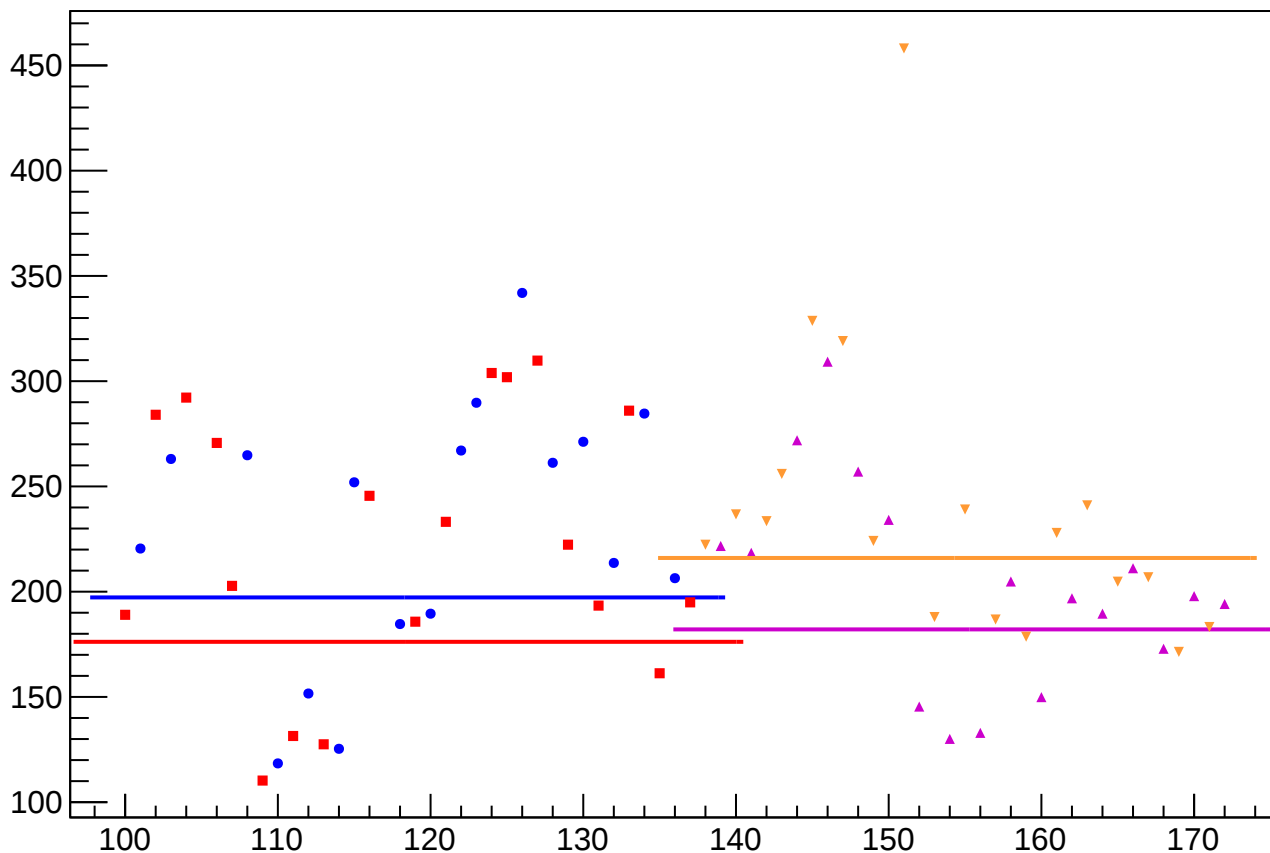
Left In: -45.488+/-52.851 χ^2/NDF : 6.4/16

+ sign 41.493+/-48.613 χ^2/NDF : 11.8/34

All: 1.916+/-31.997 χ^2/NDF : 25.8/70

- sign -28.335+/-42.502 χ^2/NDF : 12.8/35

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.271 $\pm$ 0.057 χ^2 /NDF: 969549.7/16

Left Out: 216.017 $\pm$ 0.043 χ^2 /NDF:1149943.1/17

Right Out: 176.181 $\pm$ 0.051 χ^2 /NDF: 1519707.5/18

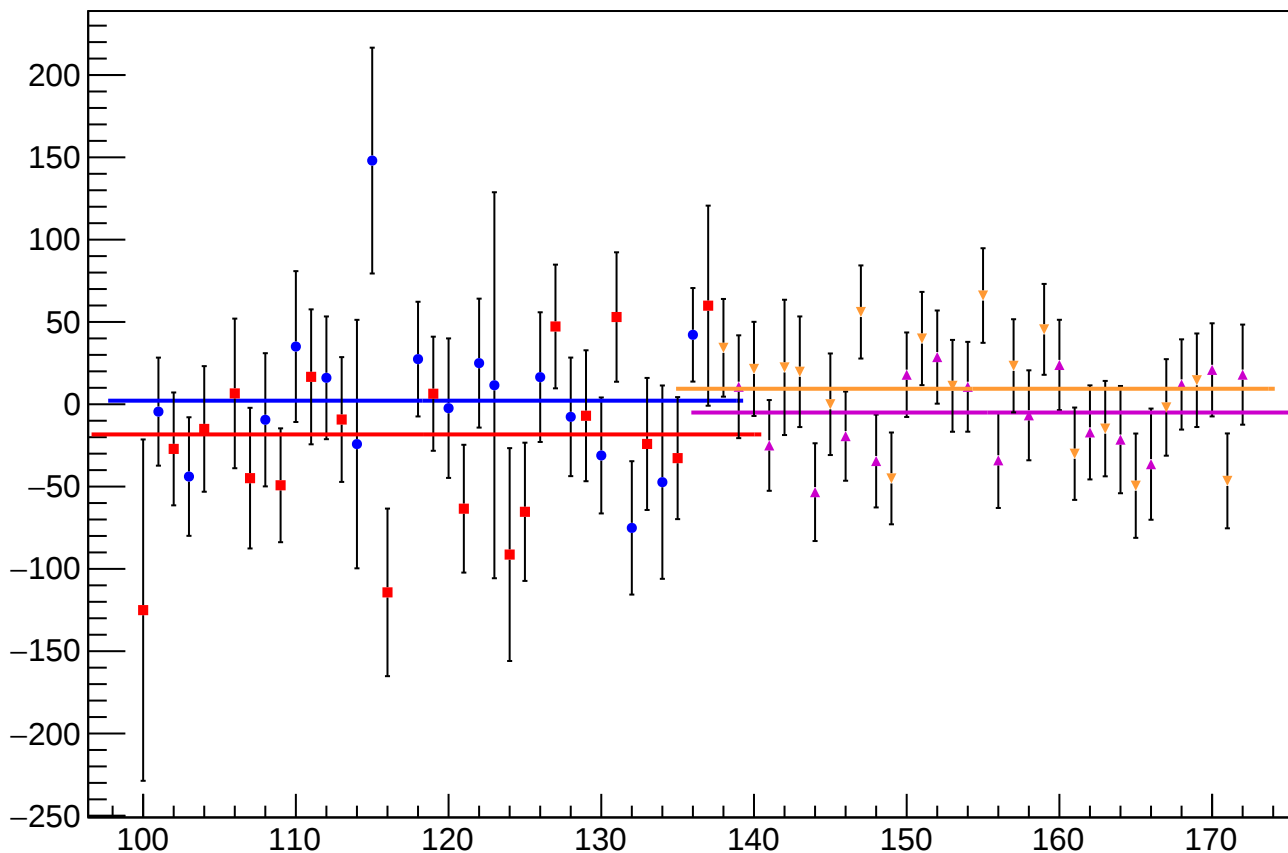
Left In: 182.082 $\pm$ 0.037 χ^2 /NDF:1422758.9/16

+ sign 209.165 $\pm$ 0.034 χ^2 /NDF: 2188459.0/34

All: 192.634 $\pm$ 0.023 χ^2 /NDF: 5547798.5/70

- sign 179.997 $\pm$ 0.030 χ^2 /NDF: 2951276.6/35

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.178 ± 9.825 χ^2/NDF : 15.4/16

Left Out: 9.424 ± 6.935 χ^2/NDF : 24.8/17

Right Out: -18.320 ± 9.497 χ^2/NDF : 19.6/18

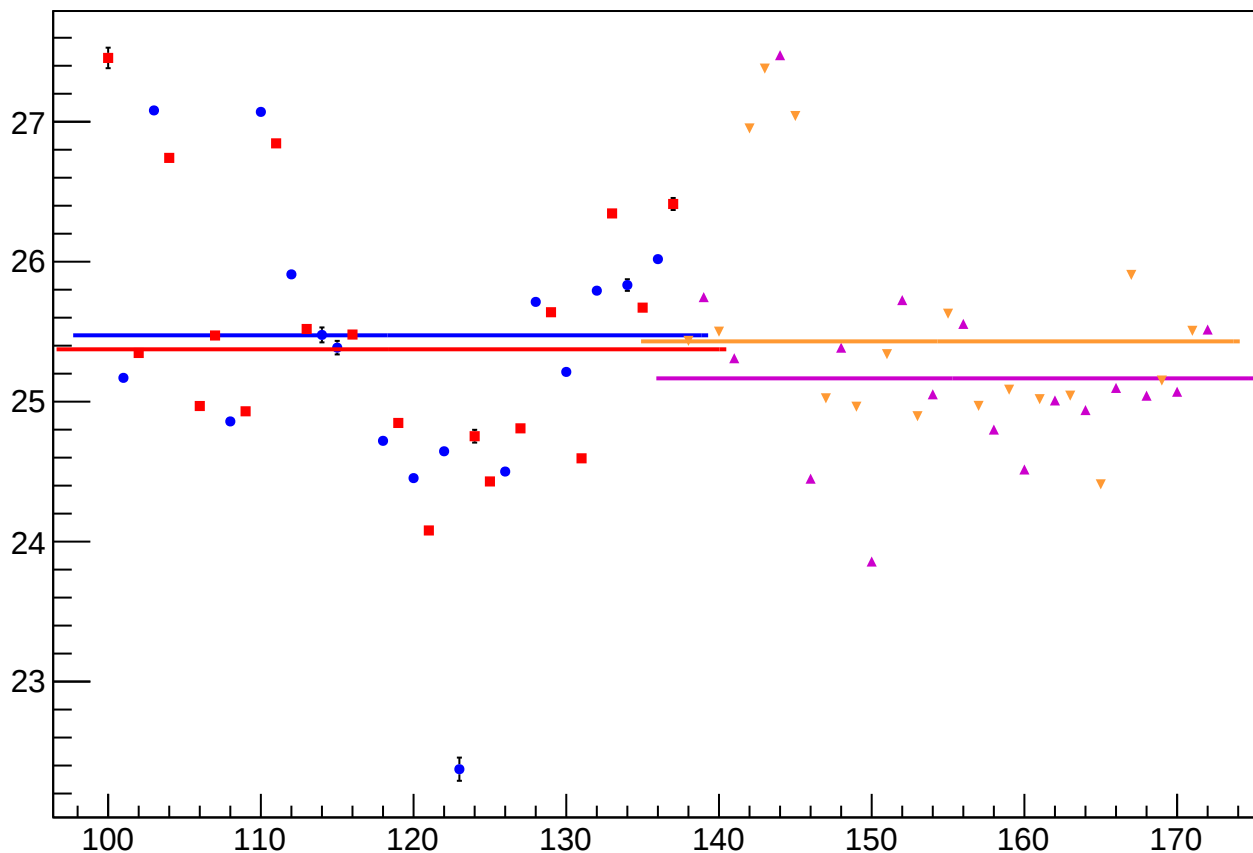
Left In: -5.020 ± 6.939 χ^2/NDF : 12.6/16

+ sign 7.014 ± 5.666 χ^2/NDF : 40.5/34

All: -1.411 ± 3.984 χ^2/NDF : 78.3/70

- sign -9.649 ± 5.603 χ^2/NDF : 33.4/35

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.474+/-0.007 χ^2/NDF : 14061.2/16

Left Out: 25.431+/-0.005 χ^2/NDF : 21203.6/17

Right Out: 25.374+/-0.007 χ^2/NDF : 13581.2/18

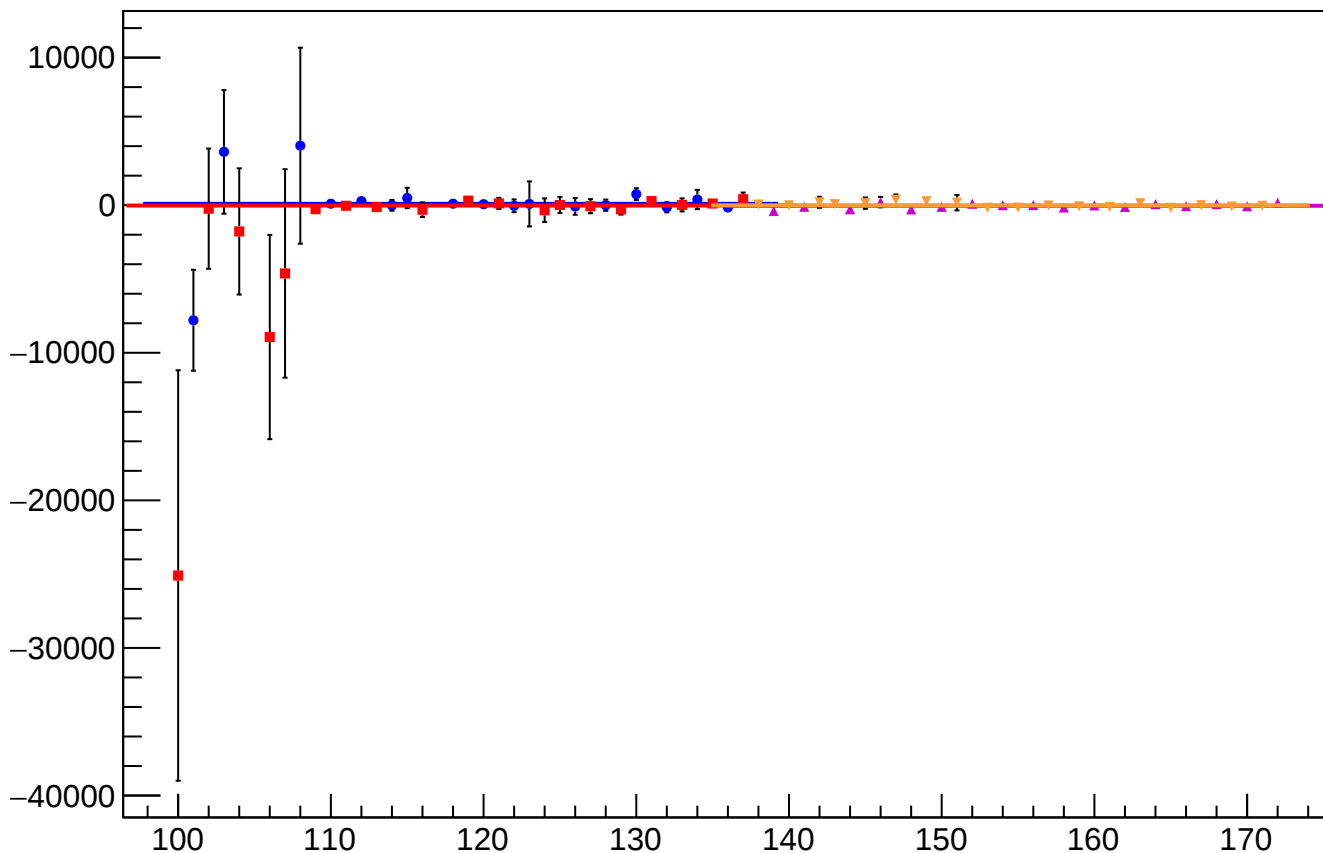
Left In: 25.166+/-0.005 χ^2/NDF : 22710.7/16

+ sign 25.445+/-0.004 χ^2/NDF : 35290.6/34

All: 25.341+/-0.003 χ^2/NDF : 73548.0/70

- sign 25.239+/-0.004 χ^2/NDF : 36914.9/35

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 89.619+/-87.630 χ^2/NDF : 12.3/16

Left Out: -10.261+/-61.413 χ^2/NDF : 4.8/17

Right Out: -22.614+/-80.902 χ^2/NDF : 11.9/18

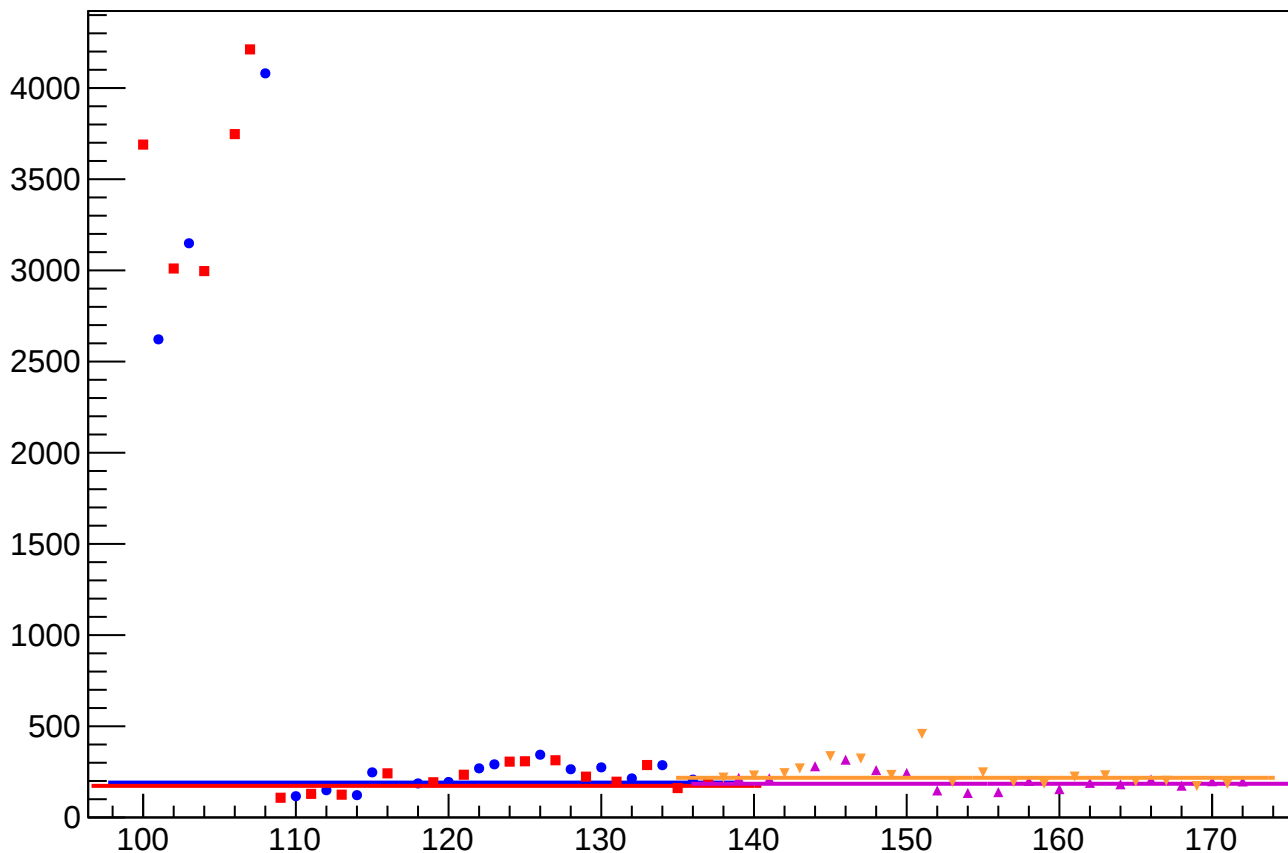
Left In: -37.359+/-53.471 χ^2/NDF : 6.0/16

+ sign 22.637+/-50.292 χ^2/NDF : 18.0/34

All: -8.433+/-33.372 χ^2/NDF : 36.6/70

- sign -32.876+/-44.608 χ^2/NDF : 18.0/35

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.190 ± 0.062 χ^2/NDF : 3571747.5/16

Left Out: 217.474 ± 0.043 χ^2/NDF : 1151413.7/17

Right Out: 173.269 ± 0.057 χ^2/NDF : 4207191.5/18

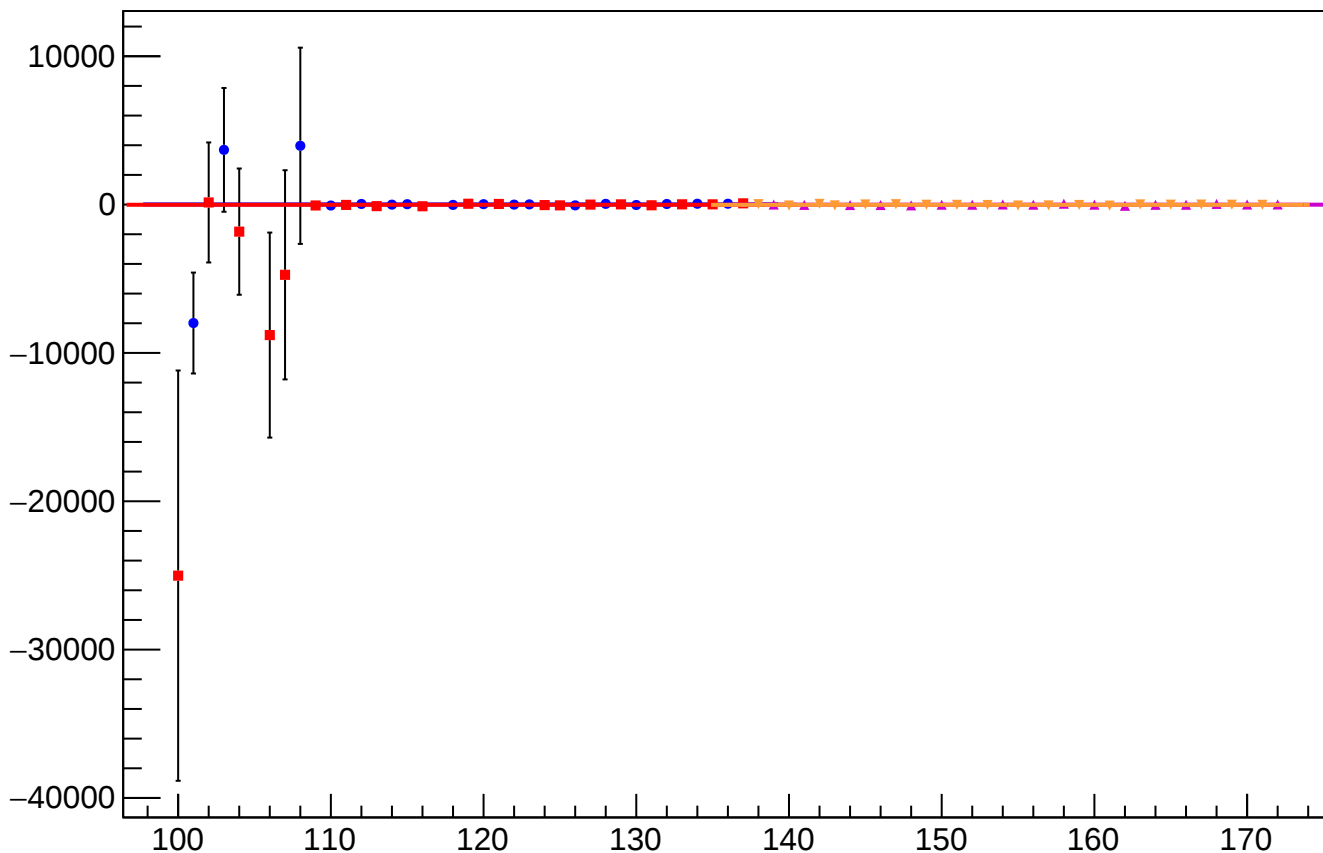
Left In: 184.684 ± 0.038 χ^2/NDF : 1315971.6/16

+ sign 208.817 ± 0.036 χ^2/NDF : 4843829.0/34

All: 193.368 ± 0.024 χ^2/NDF : 10731912.4/70

- sign 181.213 ± 0.032 χ^2/NDF : 5550873.6/35

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 10.398+/-12.190 χ^2/NDF : 18.3/16

Left Out: -17.626+/-7.893 χ^2/NDF : 16.1/17

Right Out: -12.947+/-12.227 χ^2/NDF : 24.4/18

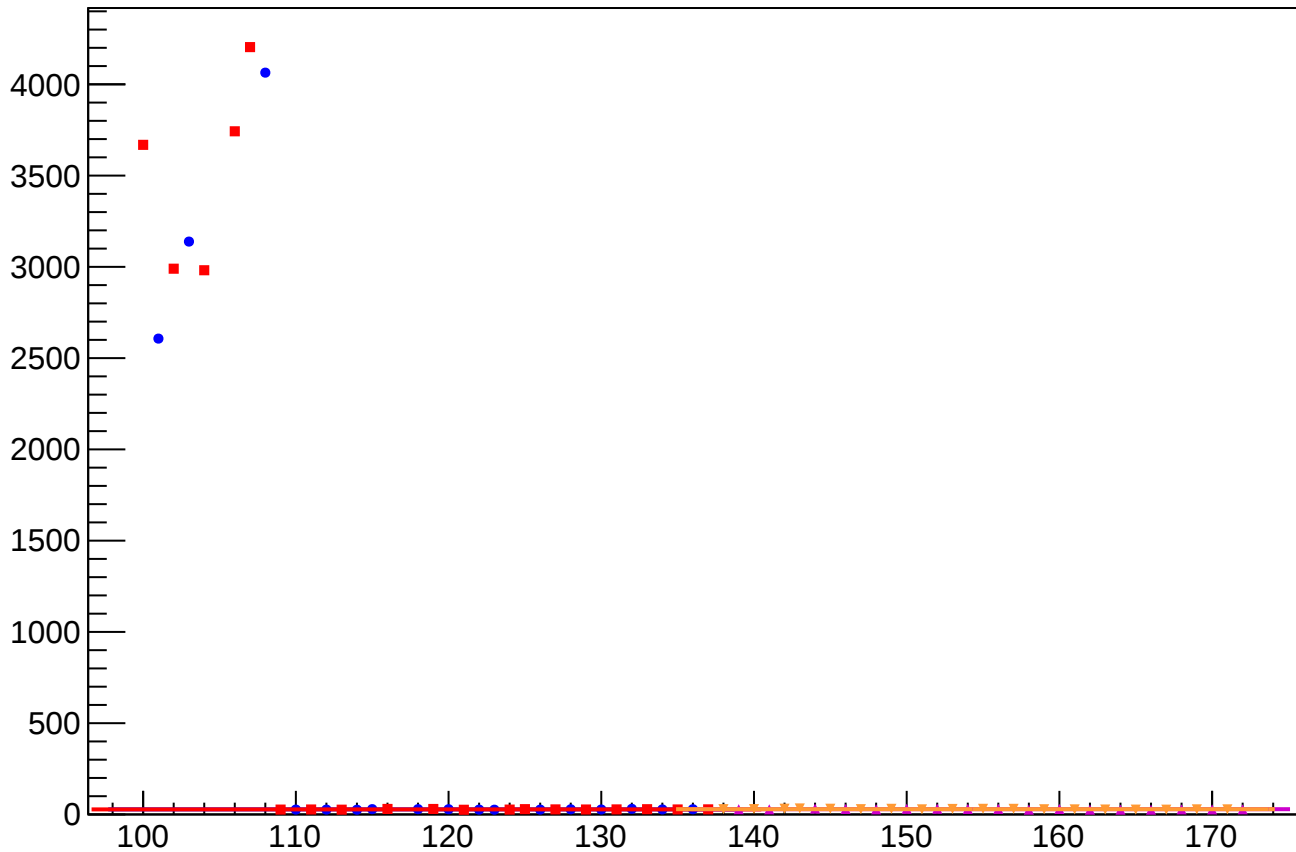
Left In: -6.653+/-7.964 χ^2/NDF : 17.7/16

+ sign -9.347+/-6.625 χ^2/NDF : 38.1/34

All: -8.940+/-4.702 χ^2/NDF : 80.4/70

- sign -8.528+/-6.673 χ^2/NDF : 42.3/35

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.837 $\pm$ 0.009 χ^2 /NDF: 3026887.2/16

Left Out: 28.885 $\pm$ 0.006 χ^2 /NDF: 96462.8/17

Right Out: 27.694 $\pm$ 0.009 χ^2 /NDF: 3476801.0/18

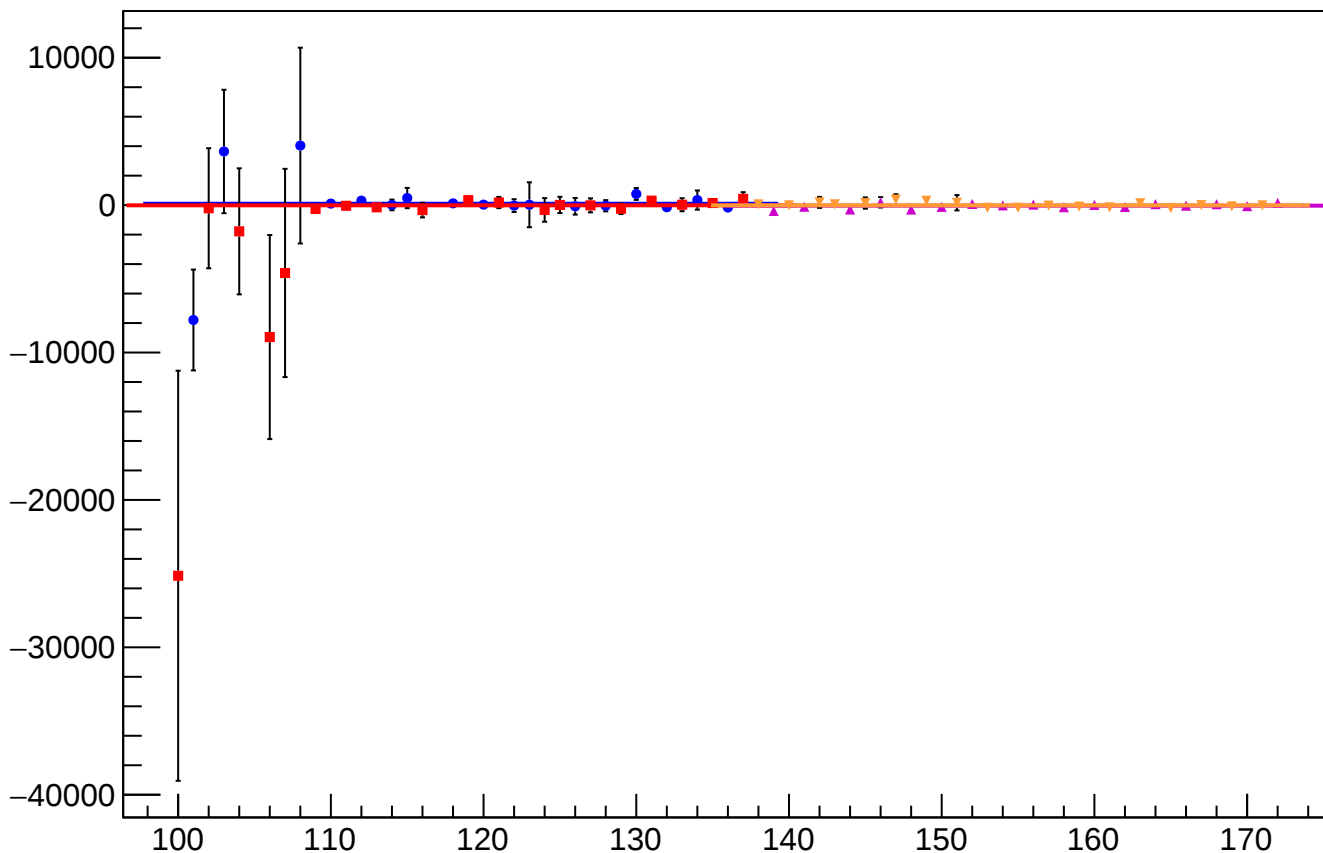
Left In: 28.811 $\pm$ 0.006 χ^2 /NDF: 111251.4/16

+ sign 28.575 $\pm$ 0.005 χ^2 /NDF: 3133766.5/34

All: 28.527 $\pm$ 0.003 χ^2 /NDF: 6733758.6/70

- sign 28.479 $\pm$ 0.005 χ^2 /NDF: 3599782.2/35

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 92.840 $\pm$ 87.359 χ^2 /NDF: 12.6/16

Left Out: -13.836 $\pm$ 61.279 χ^2 /NDF: 5.5/17

Right Out: -12.772 $\pm$ 80.640 χ^2 /NDF: 12.7/18

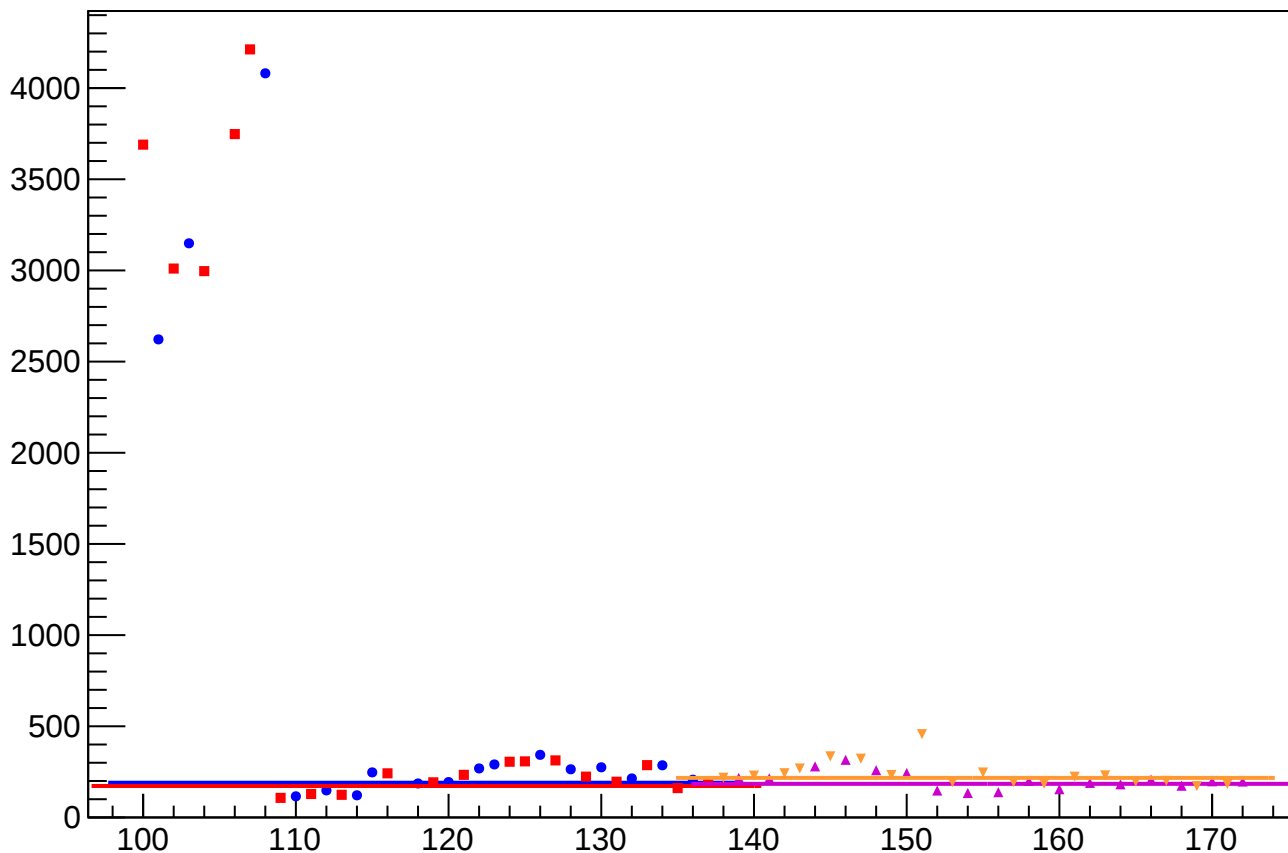
Left In: -36.034 $\pm$ 53.367 χ^2 /NDF: 6.1/16

+ sign 21.344 $\pm$ 50.167 χ^2 /NDF: 19.1/34

All: -6.800 $\pm$ 33.292 χ^2 /NDF: 38.4/70

- sign -28.949 $\pm$ 44.504 χ^2 /NDF: 18.8/35

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.485+/-0.062 χ^2/NDF : 3583573.2/16

Left Out: 217.002+/-0.043 χ^2/NDF : 1151234.9/17

Right Out: 172.601+/-0.057 χ^2/NDF : 4218384.5/18

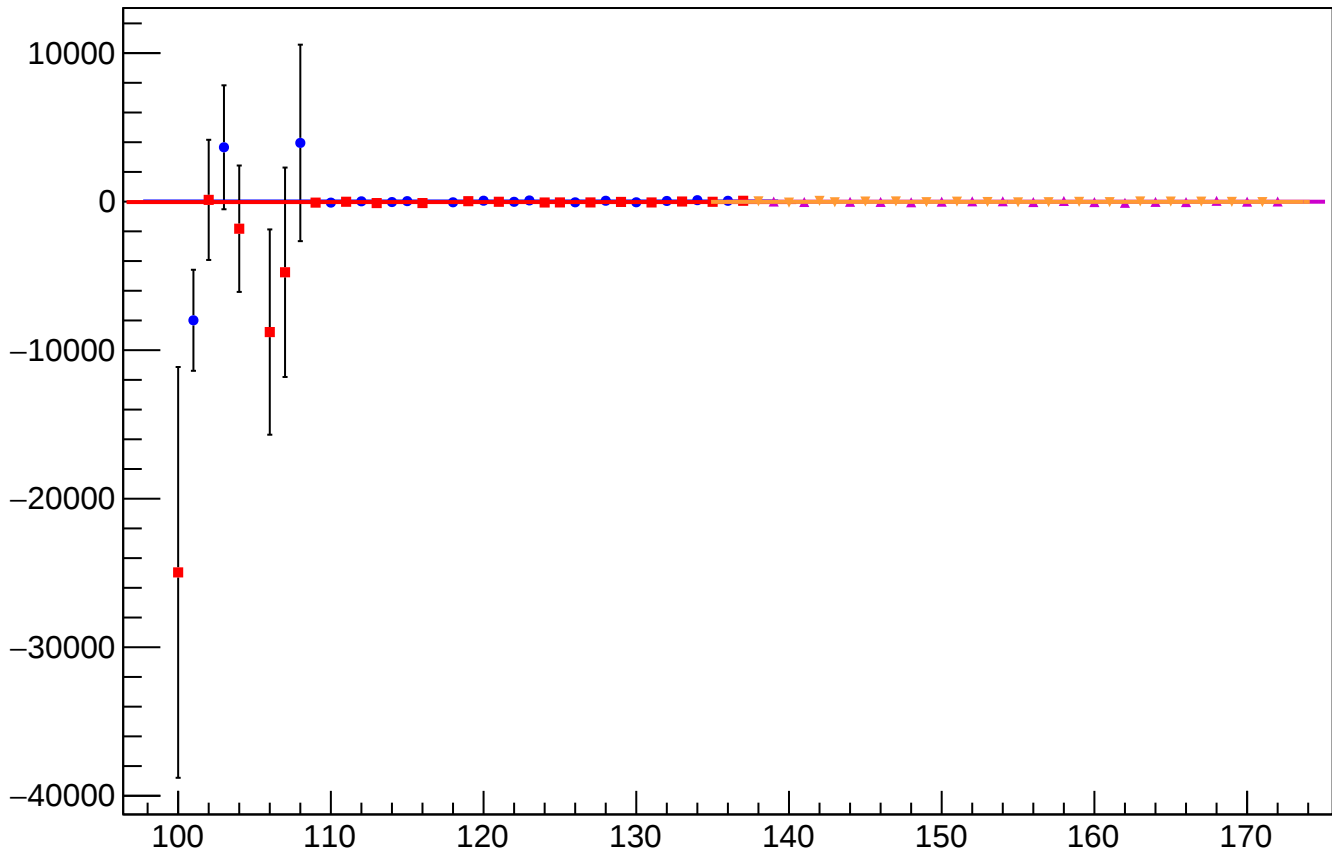
Left In: 184.327+/-0.038 χ^2/NDF : 1315732.8/16

+ sign 208.258+/-0.035 χ^2/NDF : 4858312.9/34

All: 192.867+/-0.024 χ^2/NDF : 10758193.8/70

- sign 180.756+/-0.031 χ^2/NDF : 5563524.1/35

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 9.600 $\pm$ 12.273 χ^2 /NDF: 23.2/16

Left Out: -14.820 $\pm$ 7.947 χ^2 /NDF: 10.9/17

Right Out: -29.627 $\pm$ 12.328 χ^2 /NDF: 16.5/18

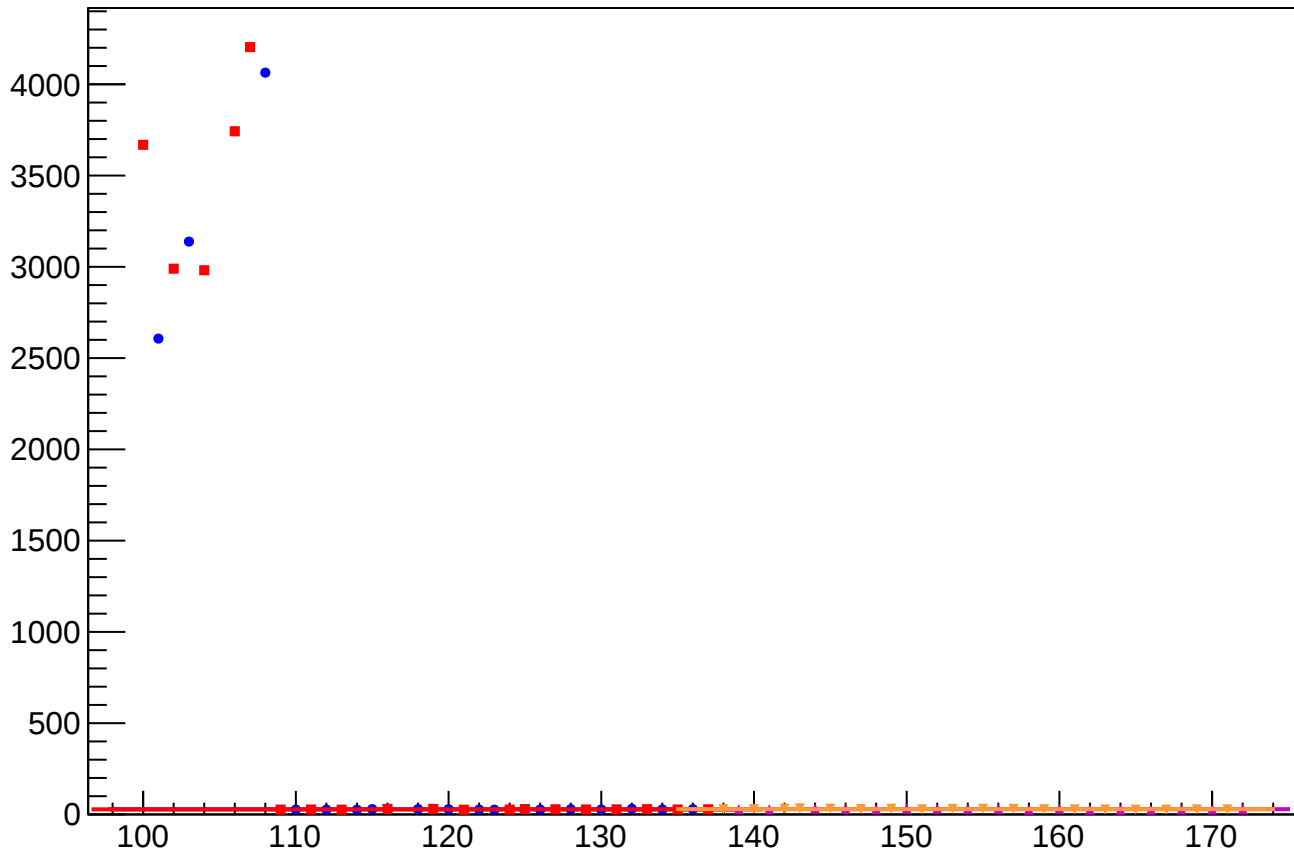
Left In: -5.602 $\pm$ 8.011 χ^2 /NDF: 17.7/16

+ sign -7.606 $\pm$ 6.671 χ^2 /NDF: 36.9/34

All: -10.152 $\pm$ 4.733 χ^2 /NDF: 74.1/70

- sign -12.735 $\pm$ 6.718 χ^2 /NDF: 36.9/35

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.023+/-0.009 χ^2/NDF : 3027003.0/16

Left Out: 29.078+/-0.006 χ^2/NDF : 102262.6/17

Right Out: 27.917+/-0.009 χ^2/NDF : 3479610.6/18

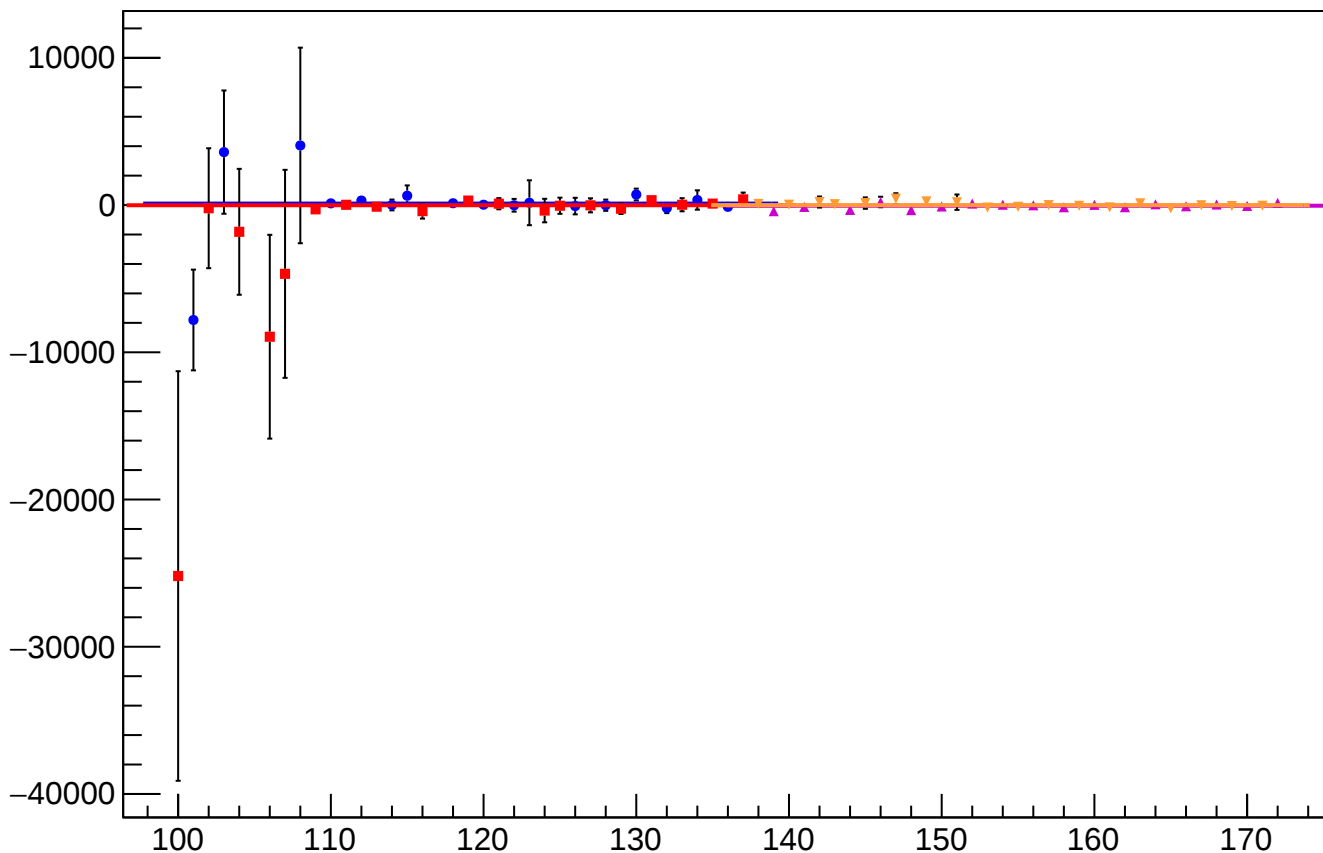
Left In: 28.984+/-0.006 χ^2/NDF : 112278.6/16

+ sign 28.766+/-0.005 χ^2/NDF : 3139675.2/34

All: 28.717+/-0.003 χ^2/NDF : 6742321.4/70

- sign 28.667+/-0.005 χ^2/NDF : 3602429.0/35

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 101.772 $\pm$ 88.390 χ^2 /NDF: 12.4/16

Left Out: -3.248 $\pm$ 62.012 χ^2 /NDF: 5.2/17

Right Out: -11.229 $\pm$ 81.728 χ^2 /NDF: 12.2/18

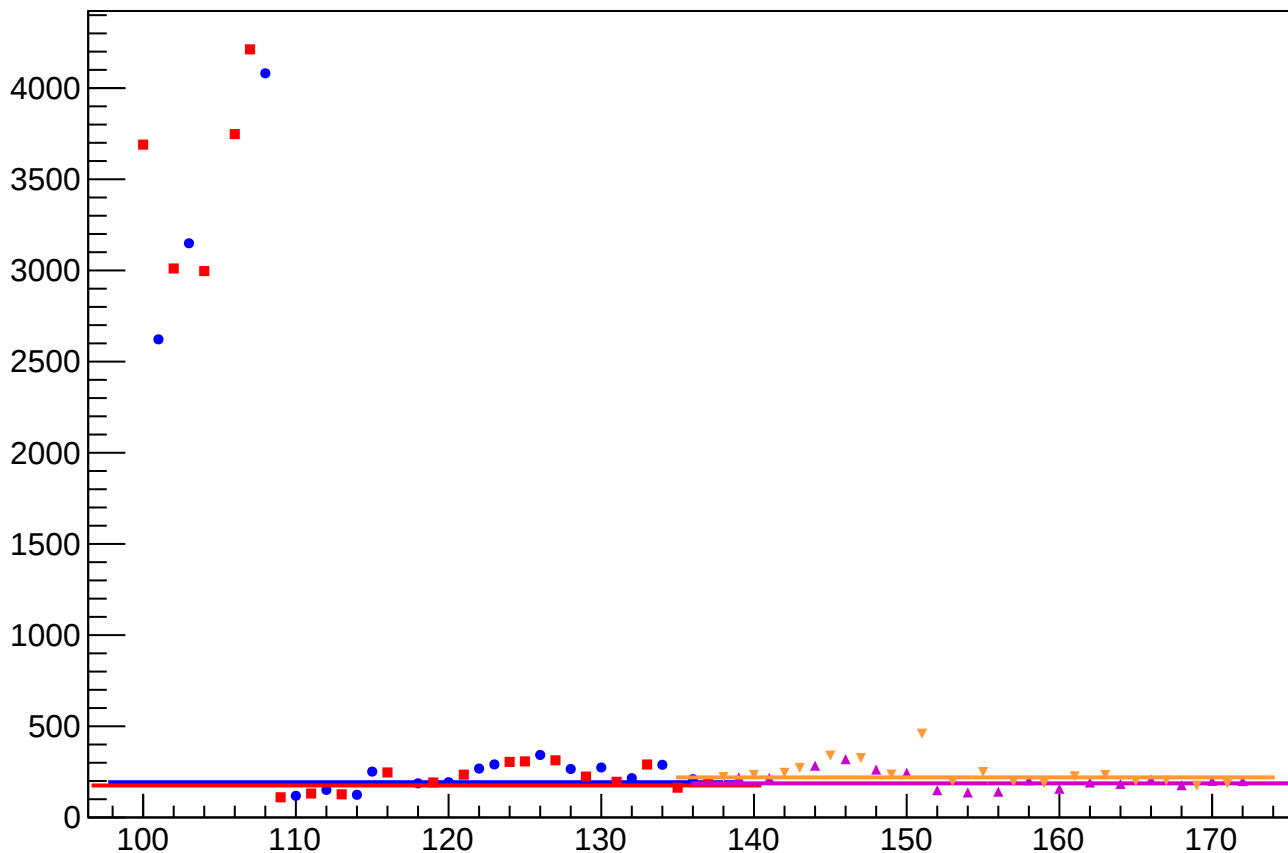
Left In: -43.825 $\pm$ 54.116 χ^2 /NDF: 6.7/16

+ sign 31.392 $\pm$ 50.765 χ^2 /NDF: 18.5/34

All: -5.078 $\pm$ 33.725 χ^2 /NDF: 38.5/70

- sign -33.890 $\pm$ 45.121 χ^2 /NDF: 19.0/35

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.190+/-0.063 χ^2/NDF : 3536123.5/16

Left Out: 219.711+/-0.044 χ^2/NDF : 1137782.6/17

Right Out: 175.485+/-0.058 χ^2/NDF : 4165391.7/18

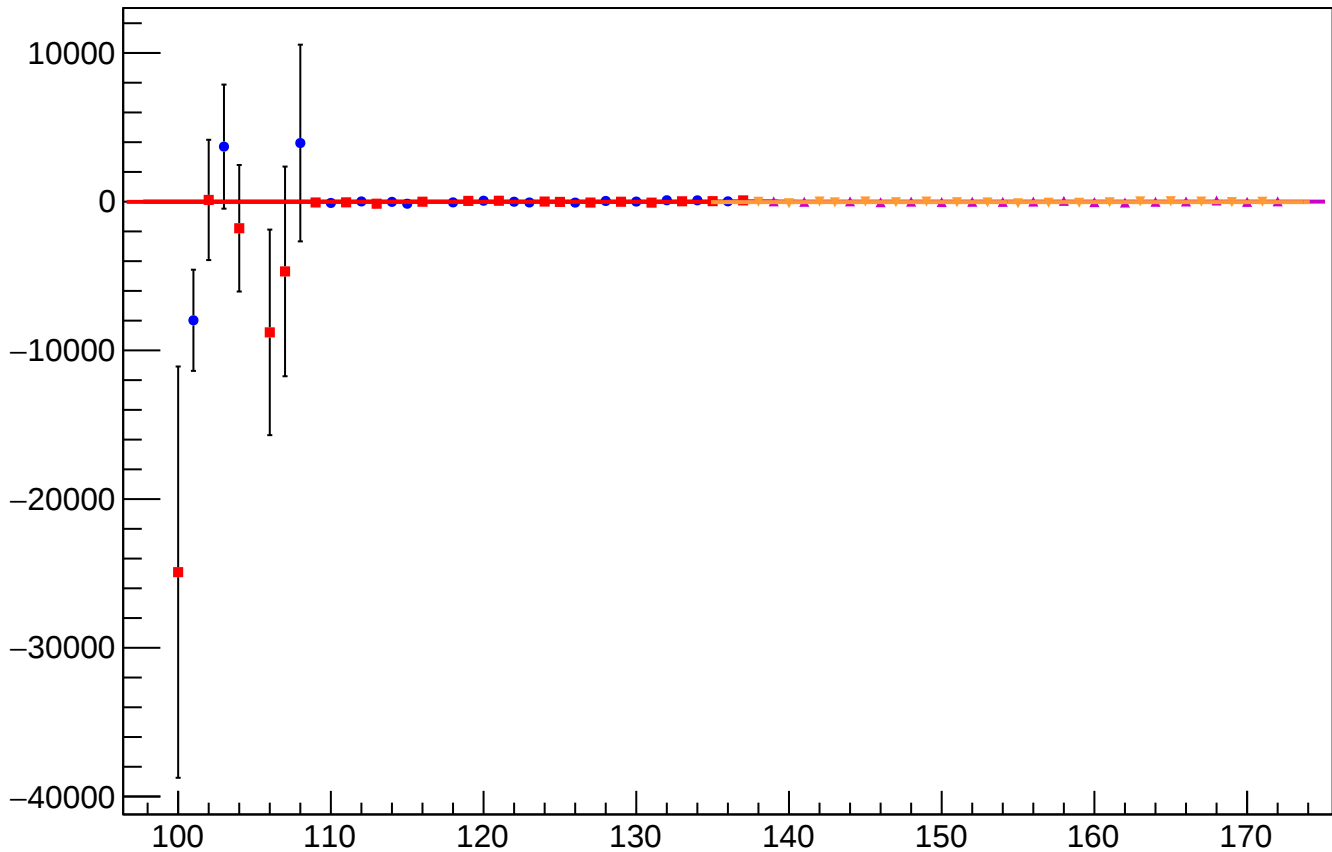
Left In: 187.090+/-0.038 χ^2/NDF : 1286184.6/16

+ sign 210.963+/-0.036 χ^2/NDF : 4794566.4/34

All: 195.650+/-0.024 χ^2/NDF : 10599921.8/70

- sign 183.553+/-0.032 χ^2/NDF : 5479606.8/35

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 4.651 ± 14.935 χ^2/NDF : 20.4/16

Left Out: -30.602 ± 9.469 χ^2/NDF : 18.8/17

Right Out: -12.487 ± 14.947 χ^2/NDF : 21.7/18

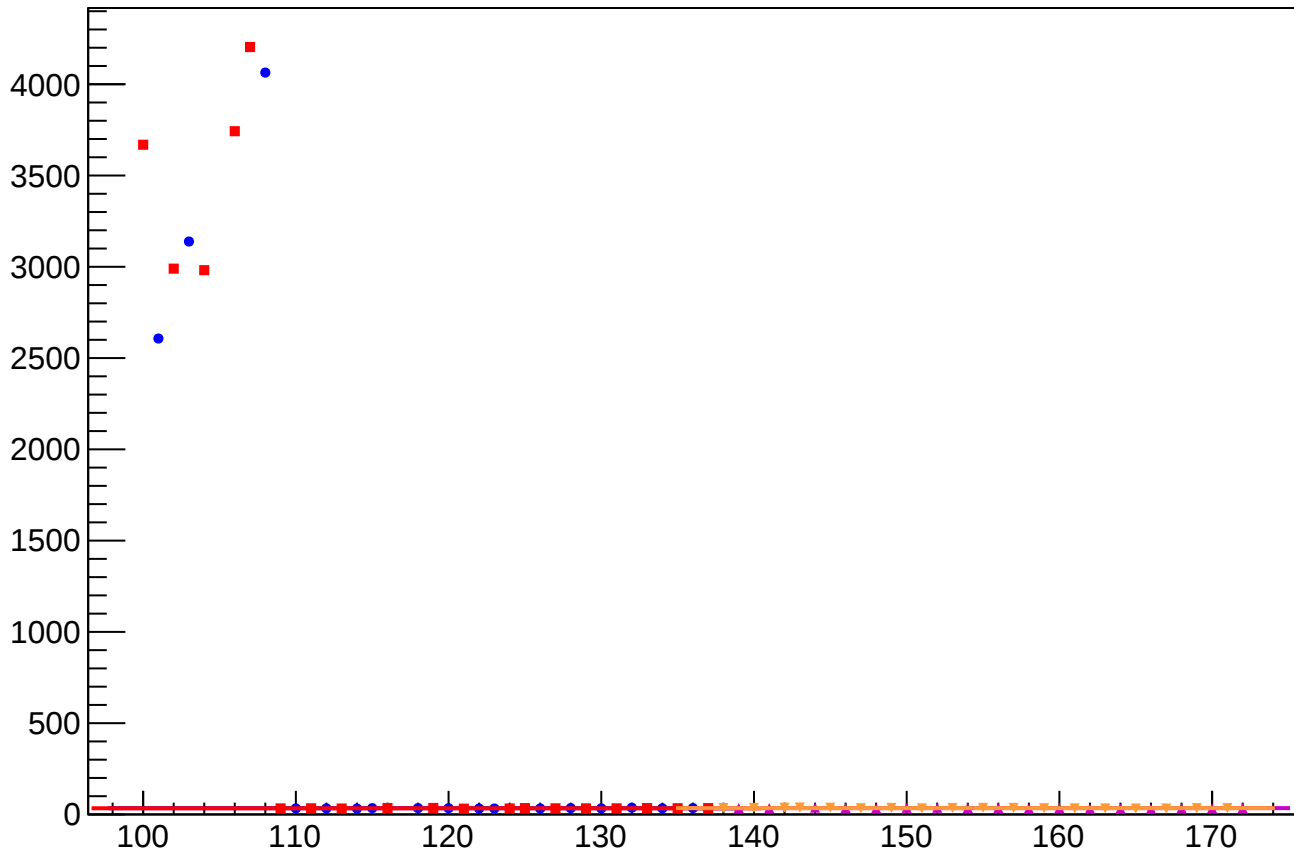
Left In: 3.851 ± 9.573 χ^2/NDF : 12.2/16

+ sign -20.495 ± 7.997 χ^2/NDF : 43.2/34

All: -10.776 ± 5.677 χ^2/NDF : 80.9/70

- sign -0.901 ± 8.061 χ^2/NDF : 34.7/35

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.137 $\pm$ 0.011 χ^2 /NDF: 3006248.0/16

Left Out: 34.704 $\pm$ 0.007 χ^2 /NDF: 46794.9/17

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451888.1/18

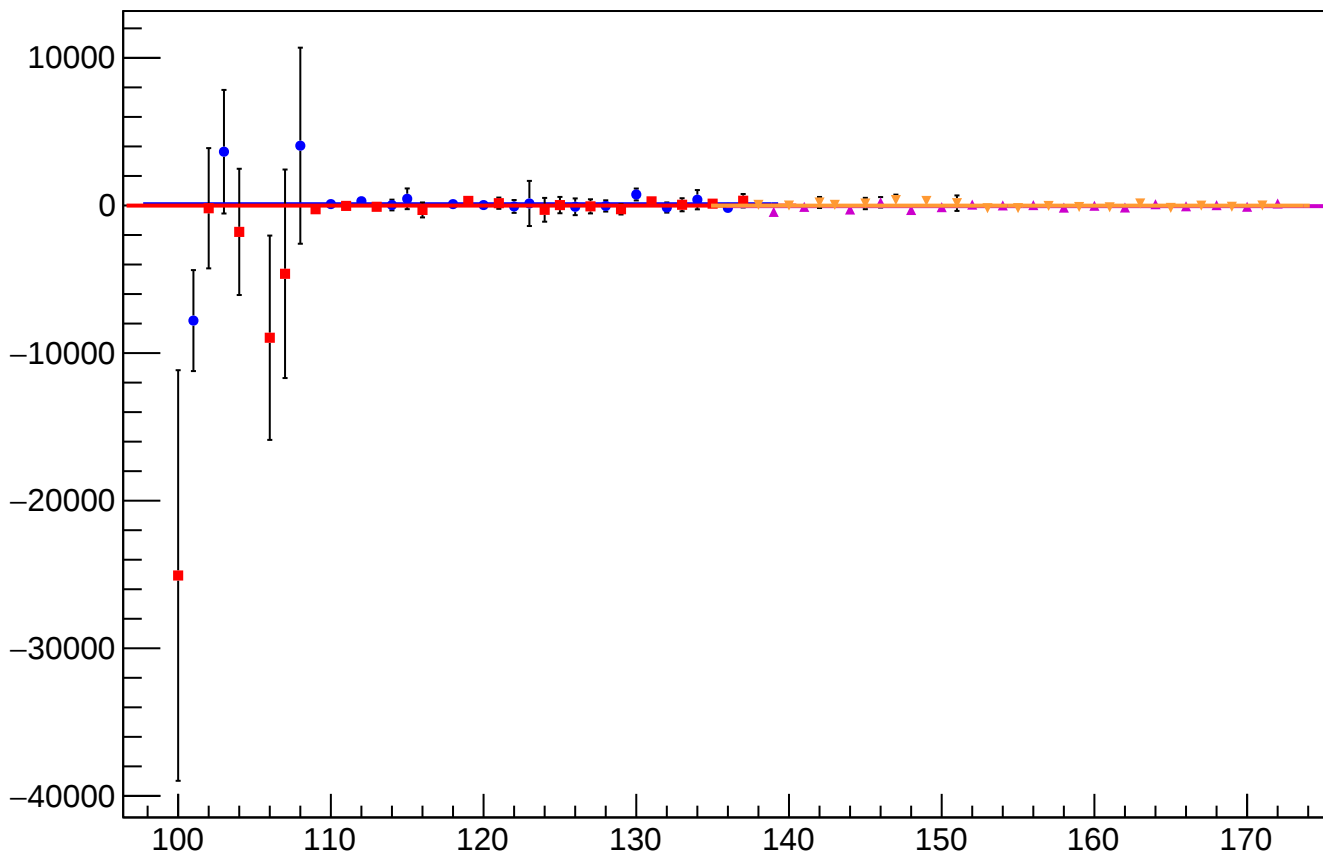
Left In: 34.697 $\pm$ 0.007 χ^2 /NDF: 51757.2/16

+ sign 34.542 $\pm$ 0.006 χ^2 /NDF: 3055097.2/34

All: 34.506 $\pm$ 0.004 χ^2 /NDF: 6562734.5/70

- sign 34.469 $\pm$ 0.006 χ^2 /NDF: 3507555.9/35

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 86.041+/-87.947 χ^2/NDF : 12.4/16

Left Out: -9.845+/-61.888 χ^2/NDF : 5.3/17

Right Out: -7.296+/-81.208 χ^2/NDF : 11.1/18

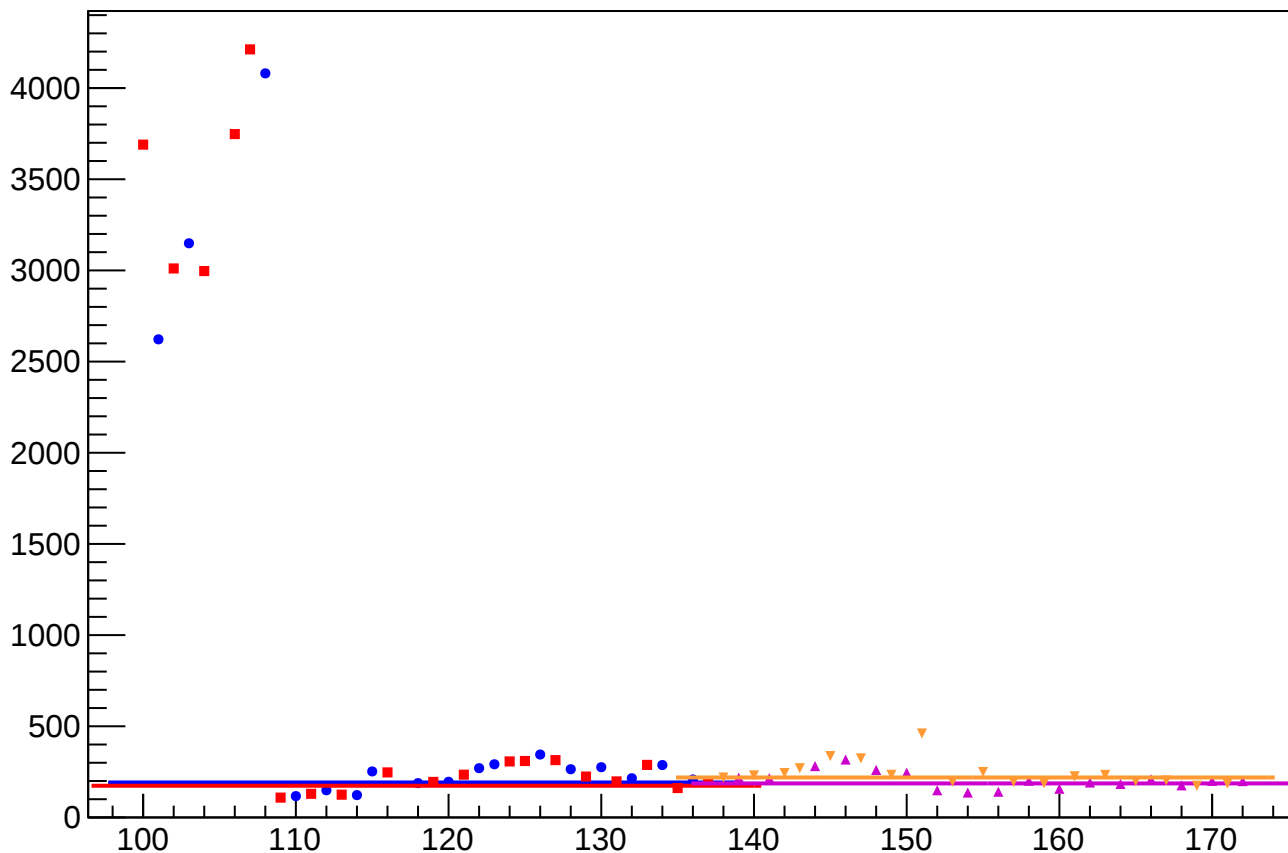
Left In: -44.854+/-53.976 χ^2/NDF : 6.0/16

+ sign 21.911+/-50.613 χ^2/NDF : 18.5/34

All: -8.979+/-33.610 χ^2/NDF : 36.4/70

- sign -33.346+/-44.952 χ^2/NDF : 17.3/35

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 191.880 $\pm$ 0.062 χ^2 /NDF: 3573060.2/16

Left Out: 219.287 $\pm$ 0.044 χ^2 /NDF: 1128783.9/17

Right Out: 173.928 $\pm$ 0.057 χ^2 /NDF: 4211385.1/18

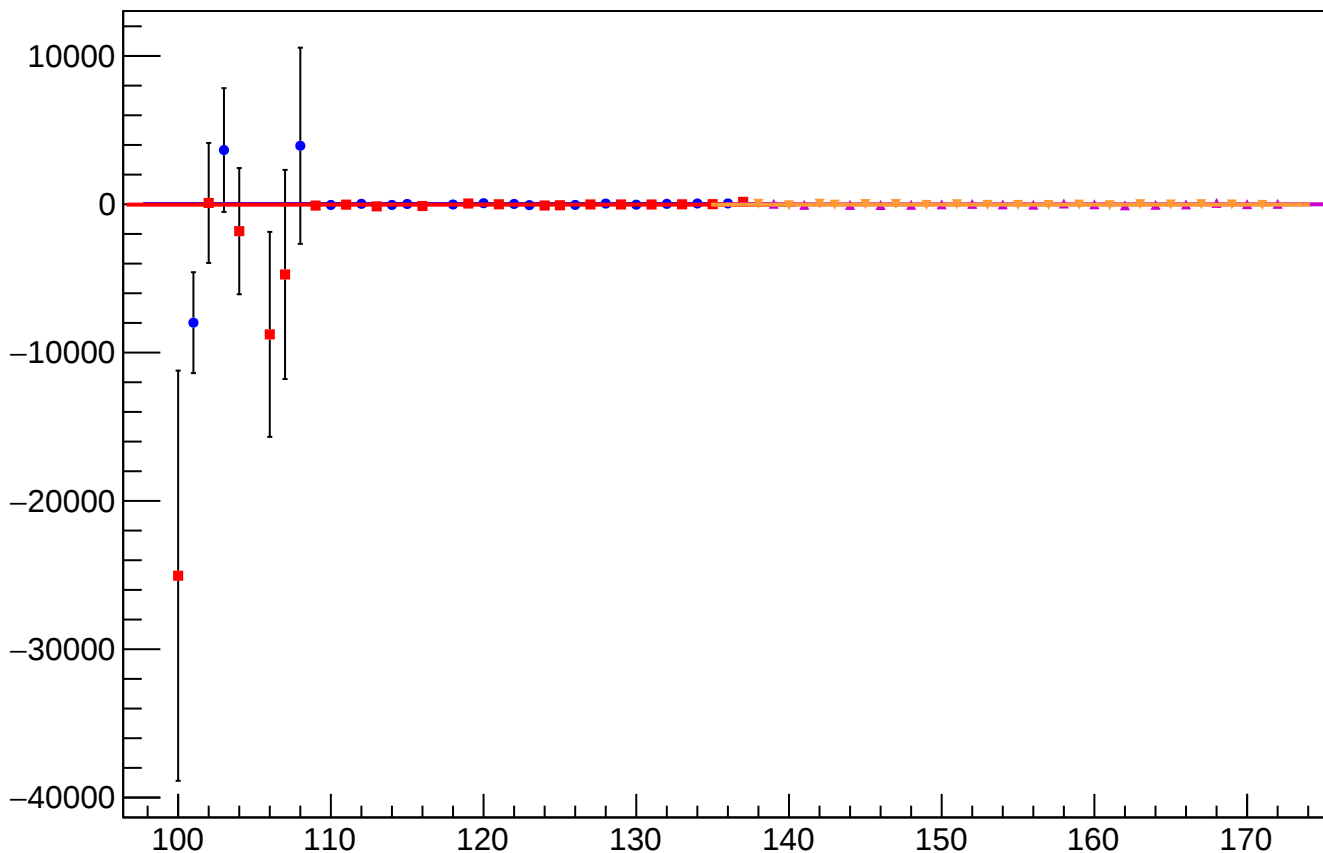
Left In: 186.612 $\pm$ 0.038 χ^2 /NDF: 1274415.3/16

+ sign 210.210 $\pm$ 0.036 χ^2 /NDF: 4831742.6/34

All: 194.846 $\pm$ 0.024 χ^2 /NDF: 10681086.7/70

- sign 182.726 $\pm$ 0.032 χ^2 /NDF: 5519645.3/35

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 14.121+/-13.618 χ^2/NDF : 15.2/16

Left Out: -21.720+/-8.581 χ^2/NDF : 12.1/17

Right Out: -23.374+/-13.655 χ^2/NDF : 27.5/18

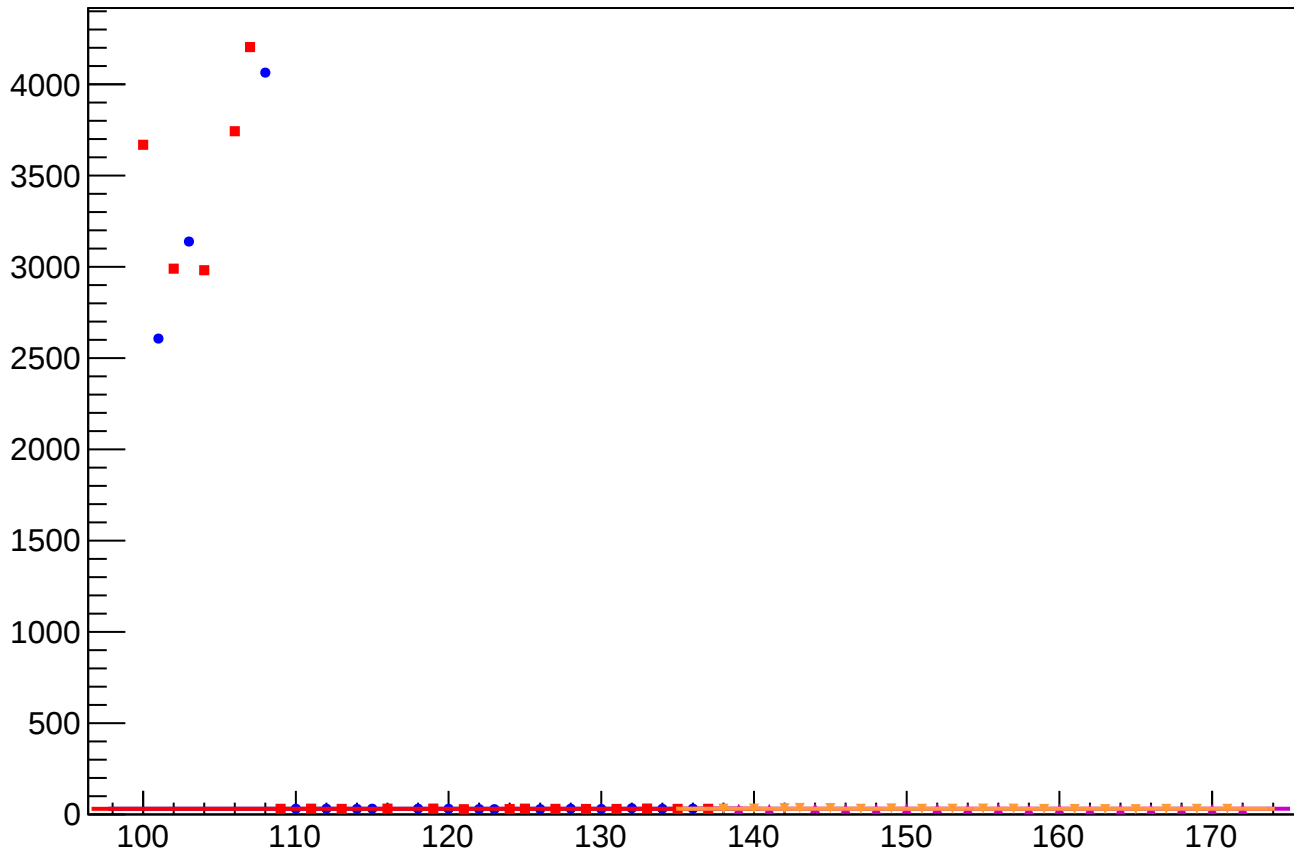
Left In: -0.636+/-8.646 χ^2/NDF : 22.9/16

+ sign -11.533+/-7.260 χ^2/NDF : 32.2/34

All: -9.351+/-5.149 χ^2/NDF : 84.7/70

- sign -7.142+/-7.305 χ^2/NDF : 52.3/35

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.127 $\pm$ 0.010 χ^2 /NDF: 3014425.9/16

Left Out: 31.421 $\pm$ 0.006 χ^2 /NDF: 73228.1/17

Right Out: 30.963 $\pm$ 0.010 χ^2 /NDF: 3458945.1/18

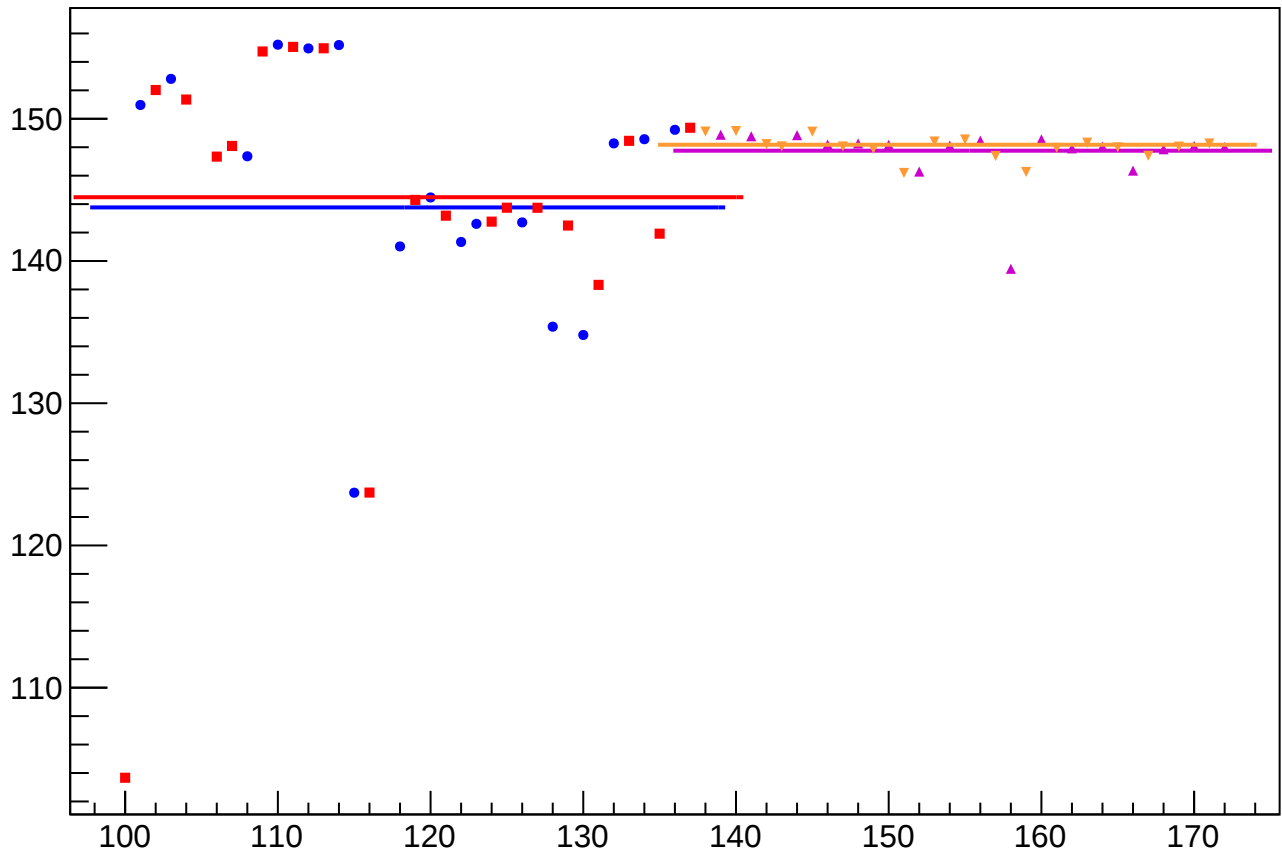
Left In: 31.294 $\pm$ 0.006 χ^2 /NDF: 81382.8/16

+ sign 31.337 $\pm$ 0.005 χ^2 /NDF: 3088322.4/34

All: 31.269 $\pm$ 0.004 χ^2 /NDF: 6629847.8/70

- sign 31.199 $\pm$ 0.005 χ^2 /NDF: 3541167.1/35

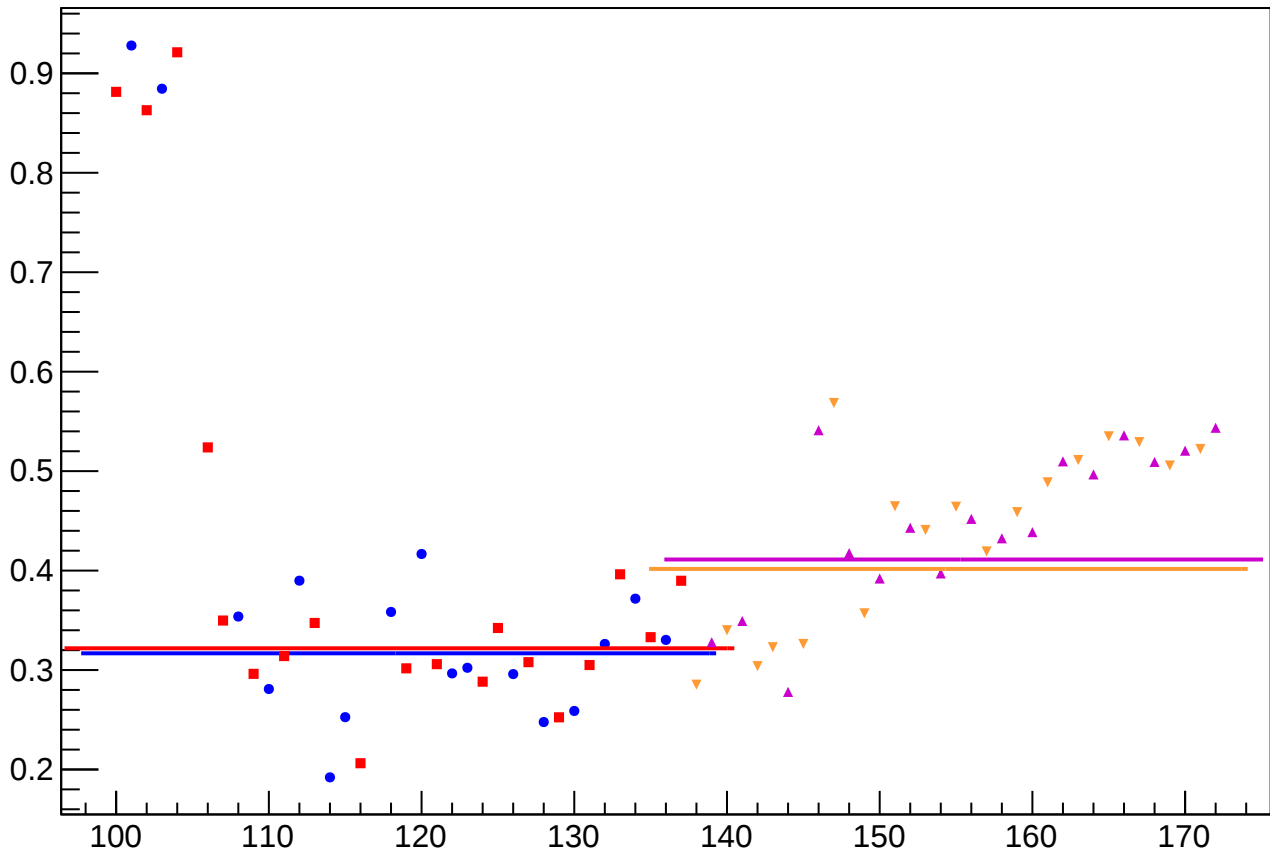
yield_bcm_an_ds_mean vs Slug



Right In: 143.768 $\pm$ 0.000 χ^2 /NDF: 3532173868.5/16
 Left Out: 148.175 $\pm$ 0.000 χ^2 /NDF: 52525620.9/17
 Right Out: 144.486 $\pm$ 0.000 χ^2 /NDF: 4183608291.3/18
 Left In: 147.756 $\pm$ 0.000 χ^2 /NDF: 324587895.7/16

+ sign 146.322 $\pm$ 0.000 χ^2 /NDF: 4210976110.7/34
 All: 146.322 $\pm$ 0.000 χ^2 /NDF: 9058844817.2
 - sign 146.322 $\pm$ 0.000 χ^2 /NDF: 4847868694.9/35

yield_bcm_an_ds_rms vs Slug



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1278613.2/16

Left Out: 0.402 $\pm$ 0.000 χ^2 /NDF:1196937.6/17

Right Out: 0.322 $\pm$ 0.000 χ^2 /NDF: 1217762.5/18

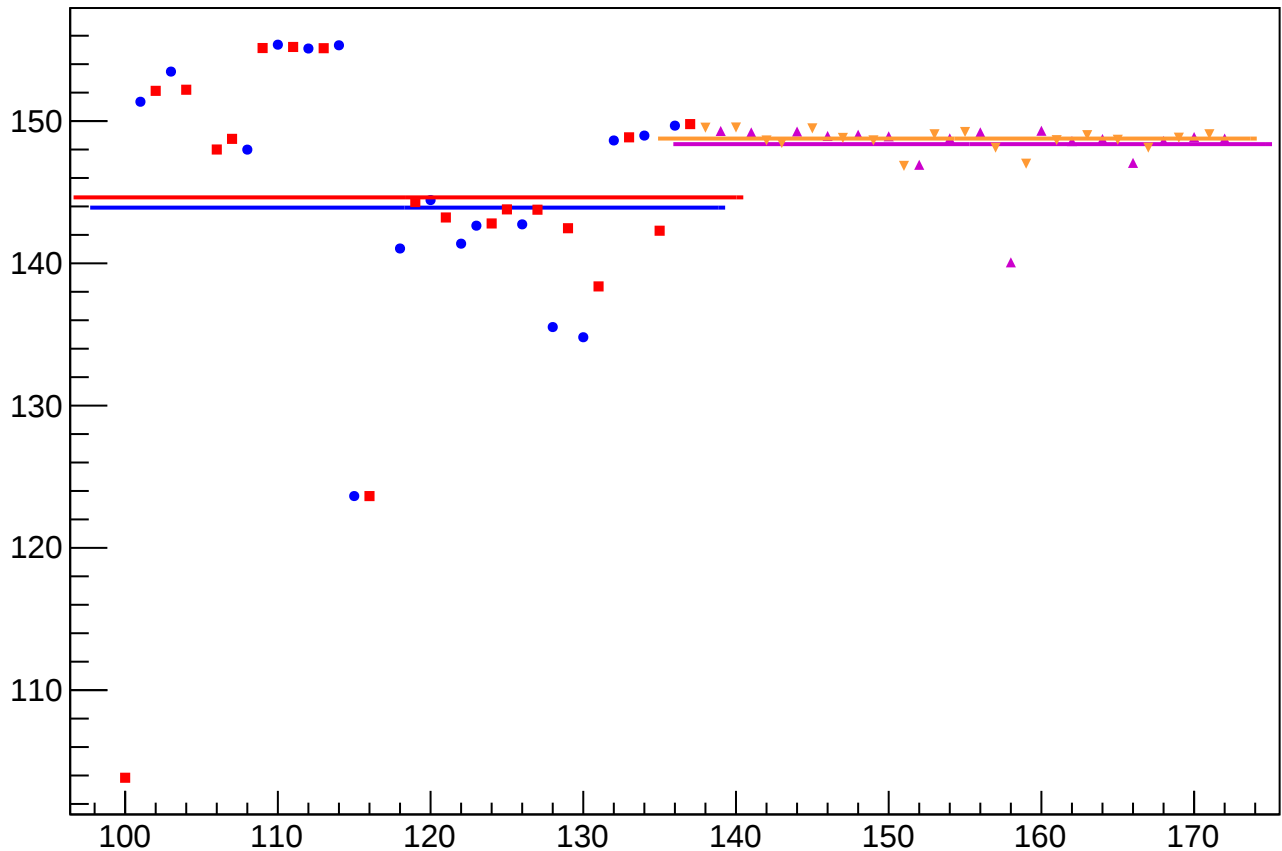
Left In: 0.411 $\pm$ 0.000 χ^2 /NDF:1004803.8/16

+ sign 0.366 $\pm$ 0.000 χ^2 /NDF: 2940082.8/34

All: 0.369 $\pm$ 0.000 χ^2 /NDF: 5673823.5/70

- sign 0.372 $\pm$ 0.000 χ^2 /NDF: 2729042.9/35

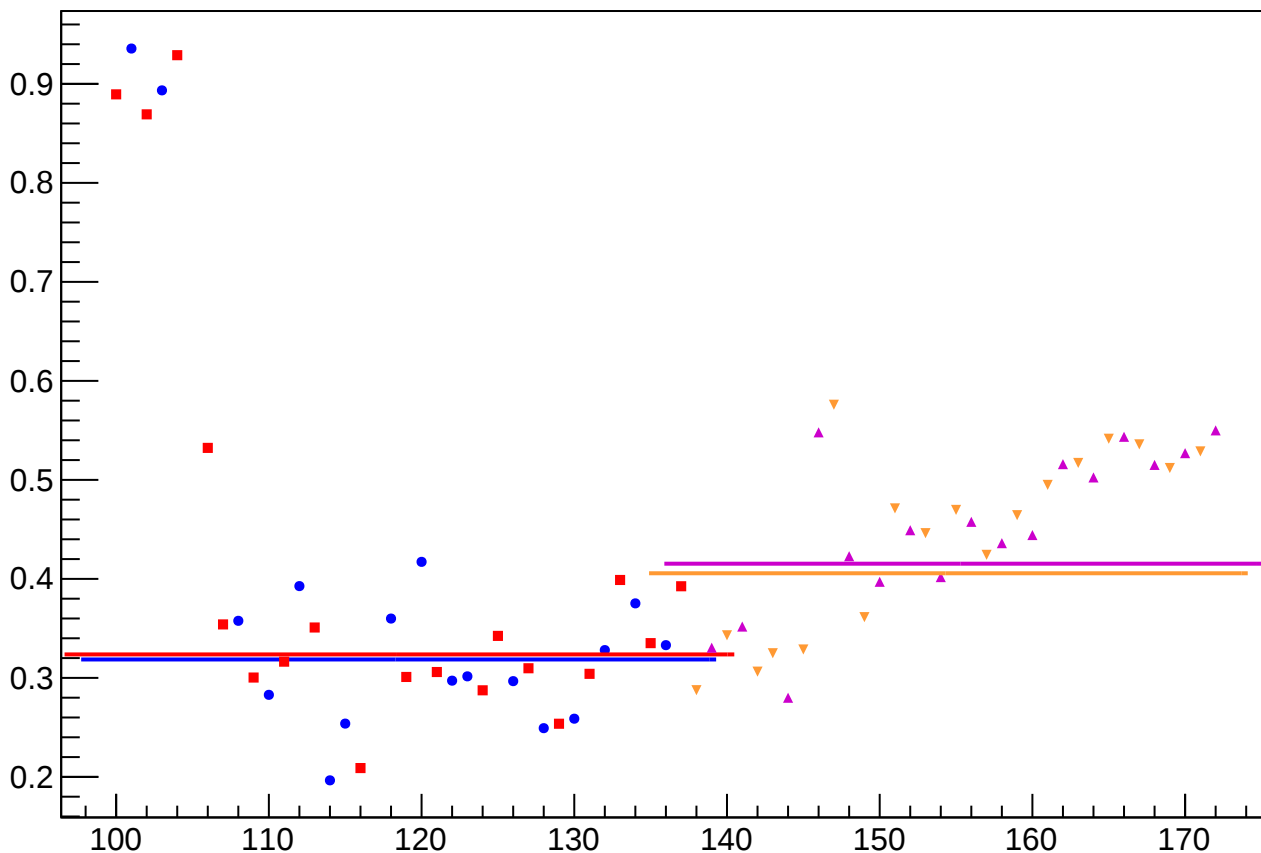
yield_bcm_an_ds3_mean vs Slug



Right In: 143.917 ± 0.000 χ^2/NDF : 3584662767.5/16
 Left Out: 148.771 ± 0.000 χ^2/NDF : 41226145.3/17
 Right Out: 144.637 ± 0.000 χ^2/NDF : 4210524953.9/18
 Left In: 148.379 ± 0.000 χ^2/NDF : 314340531.9/16

+ sign 146.719 ± 0.000 χ^2/NDF : 4374416356.7/34
 All: 146.724 ± 0.000 χ^2/NDF : 9337096668.0
 - sign 146.729 ± 0.000 χ^2/NDF : 4962673788.9/35

yield_bcm_an_ds3_rms vs Slug



Right In: 0.319 $\pm$ 0.000 χ^2 /NDF: 1280748.9/16

Left Out: 0.406 $\pm$ 0.000 χ^2 /NDF:1218895.3/17

Right Out: 0.324 $\pm$ 0.000 χ^2 /NDF: 1220898.3/18

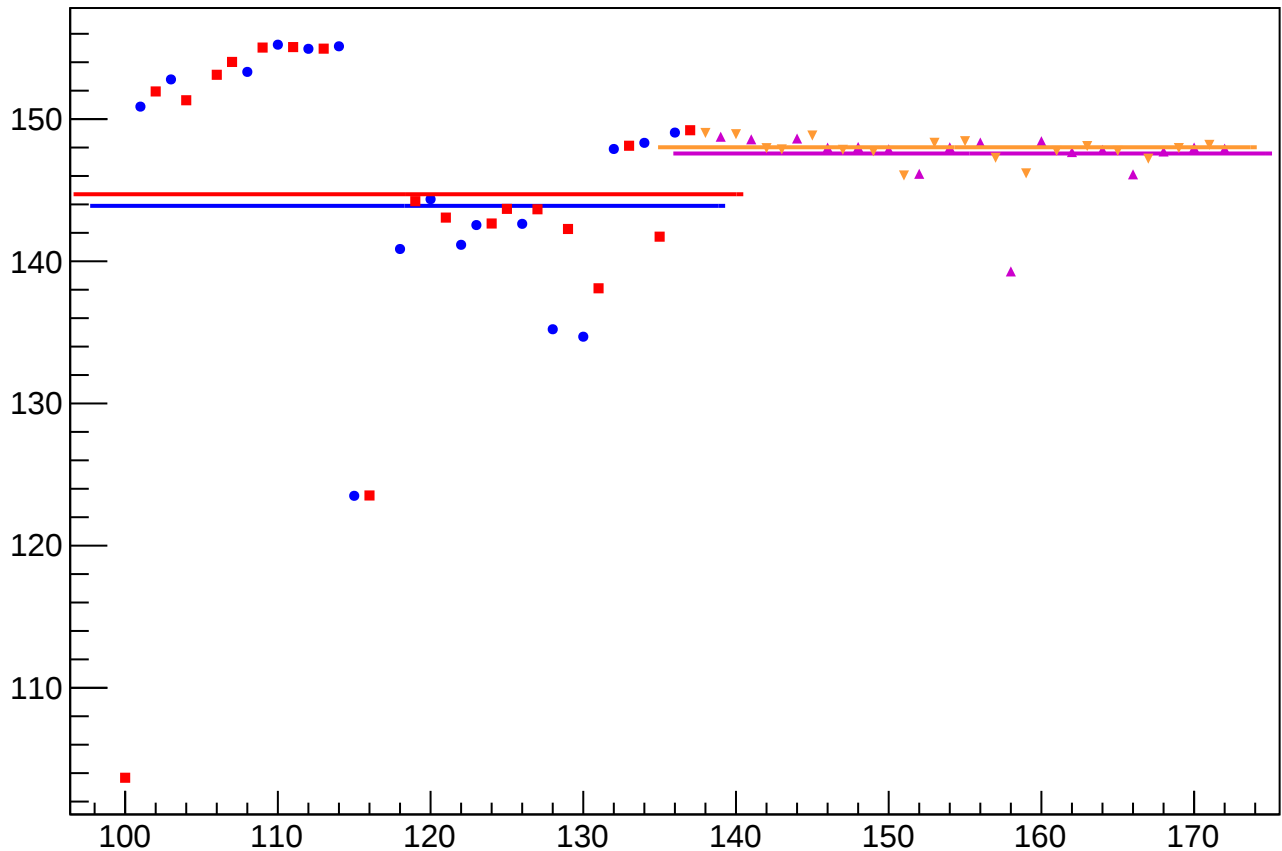
Left In: 0.415 $\pm$ 0.000 χ^2 /NDF:1024026.7/16

+ sign 0.369 $\pm$ 0.000 χ^2 /NDF: 2981295.0/34

All: 0.372 $\pm$ 0.000 χ^2 /NDF: 5756159.2/70

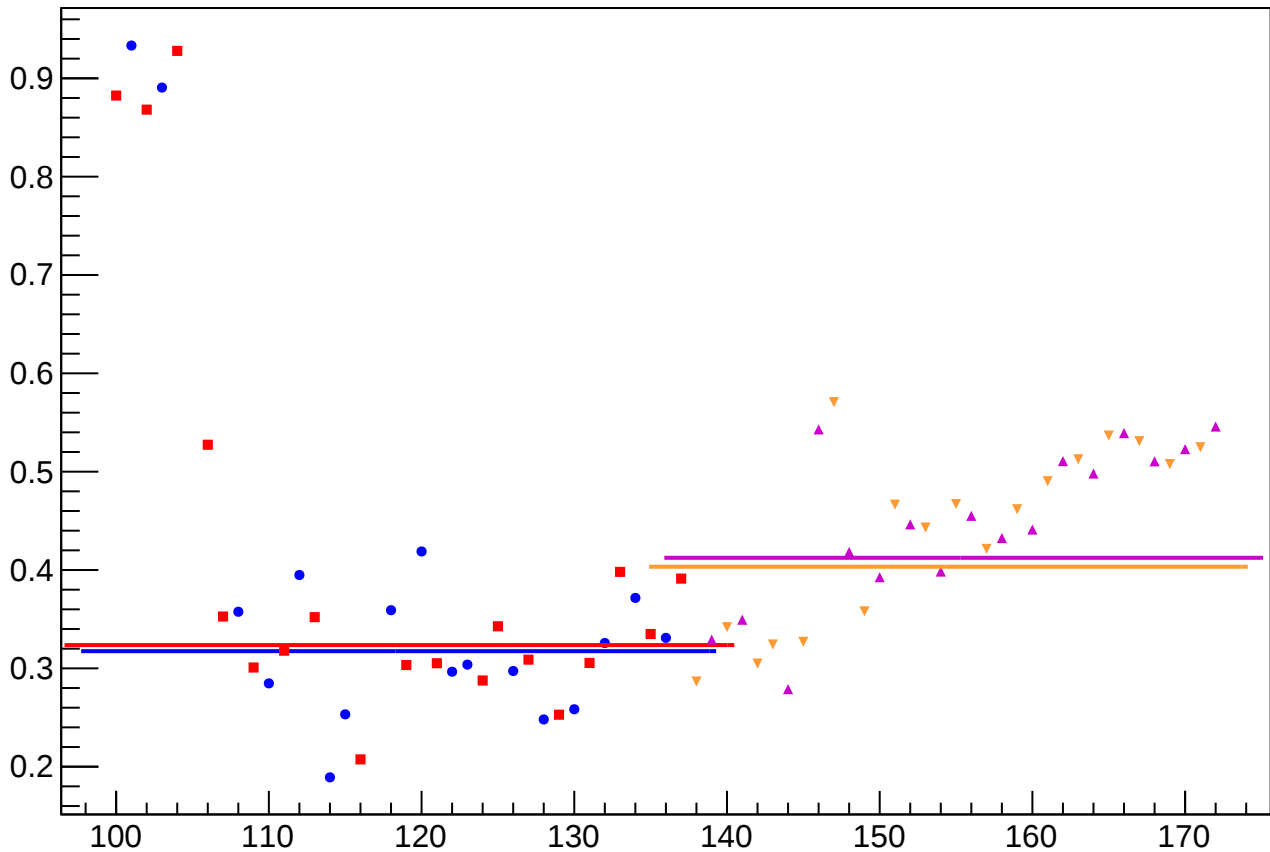
- sign 0.375 $\pm$ 0.000 χ^2 /NDF: 2770117.1/35

yield_bcm_an_us_mean vs Slug



Right In: 143.899+/-0.000	χ^2/NDF : 3749888331.0/16	+ sign 146.284+/-0.000	χ^2/NDF : 4344842146.4/34
Left Out: 148.019+/-0.000	χ^2/NDF : 51014332.3/17	All: 146.306+/-0.000	χ^2/NDF : 9401825643.1
Right Out: 144.715+/-0.000	χ^2/NDF : 4474458988.7/18	- sign 146.328+/-0.000	χ^2/NDF : 5056863117.3/35
Left In: 147.581+/-0.000	χ^2/NDF : 323803215.8/16		

yield_bcm_an_us_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1293179.2/16

Left Out: 0.403 ± 0.000 χ^2/NDF : 1198261.8/17

Right Out: 0.324 ± 0.000 χ^2/NDF : 1221676.7/18

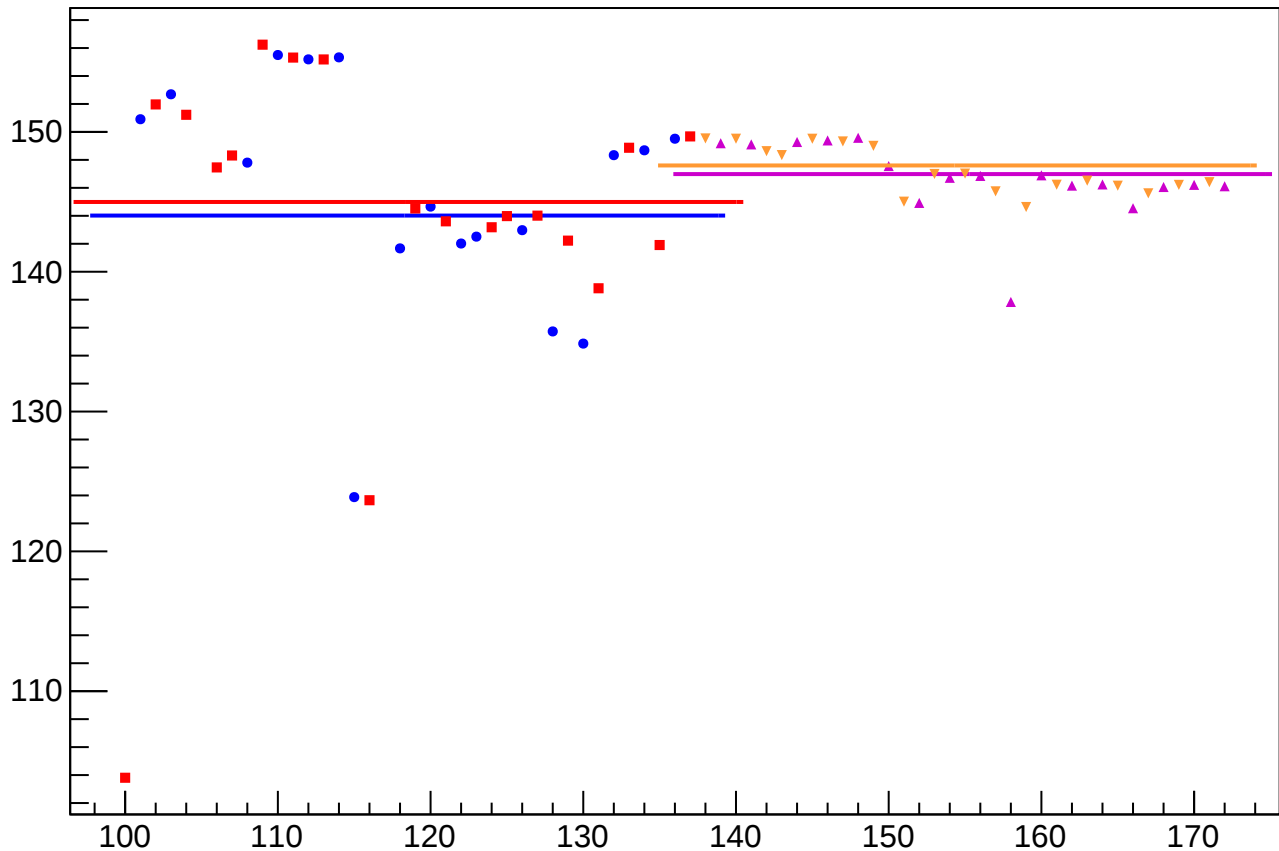
Left In: 0.412 ± 0.000 χ^2/NDF : 1010489.1/16

+ sign 0.367 ± 0.000 χ^2/NDF : 2963531.0/34

All: 0.370 ± 0.000 χ^2/NDF : 5697037.8/70

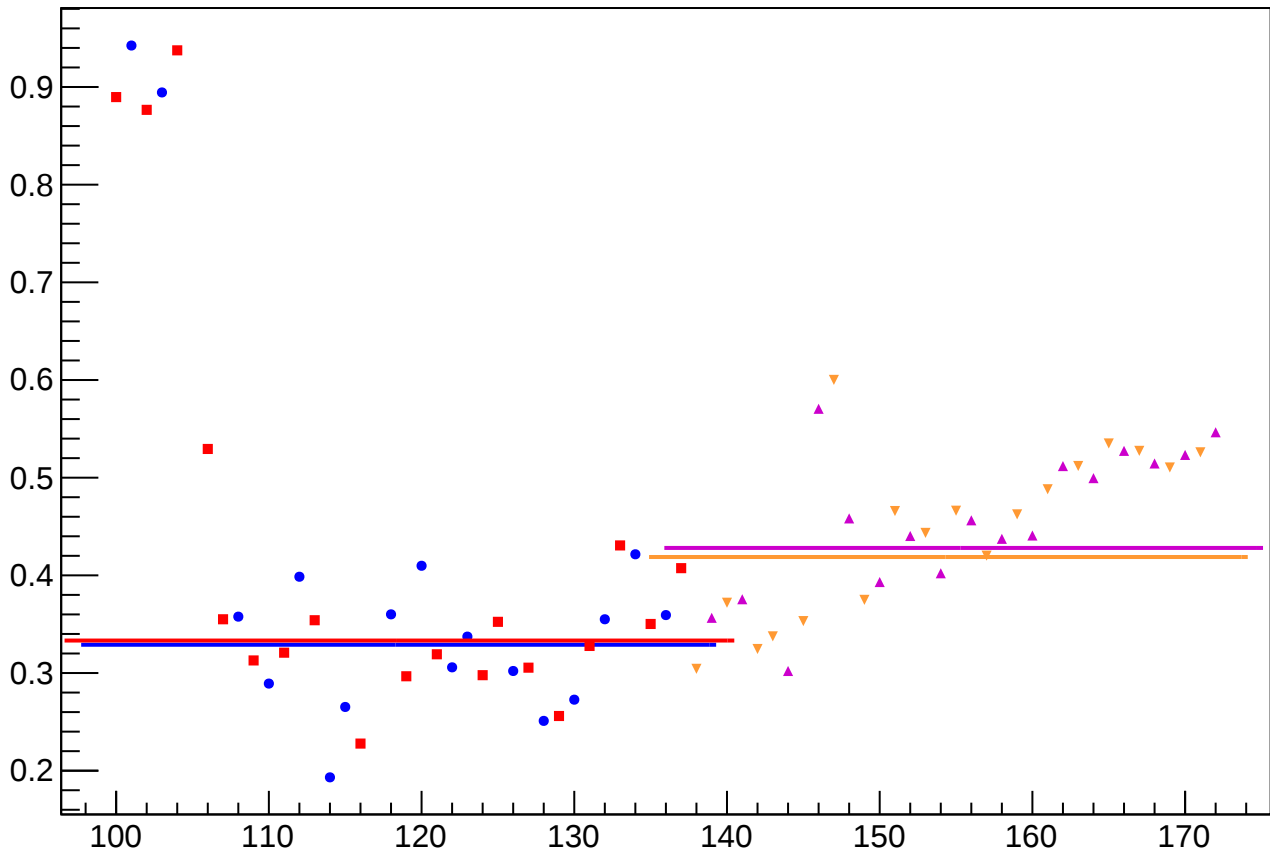
- sign 0.374 ± 0.000 χ^2/NDF : 2728186.1/35

yield_bcm_dg_us_mean vs Slug



Right In: 144.018 $\pm$ 0.000	χ^2 /NDF: 3238525527.6/16	+ sign 146.098 $\pm$ 0.000	χ^2 /NDF: 3821697344.2/34
Left Out: 147.602 $\pm$ 0.000	χ^2 /NDF: 200034943.5/17	All: 146.103 $\pm$ 0.000	χ^2 /NDF: 8297365436.0
Right Out: 144.990 $\pm$ 0.000	χ^2 /NDF: 3853449012.9/18	- sign 146.109 $\pm$ 0.000	χ^2 /NDF: 4475660526.1/35
Left In: 146.985 $\pm$ 0.000	χ^2 /NDF: 504555508.2/16		

yield_bcm_dg_us_rms vs Slug



Right In: 0.329 ± 0.000 χ^2/NDF : 1276118.3/16

Left Out: 0.419 ± 0.000 χ^2/NDF : 932174.8/17

Right Out: 0.333 ± 0.000 χ^2/NDF : 1182496.7/18

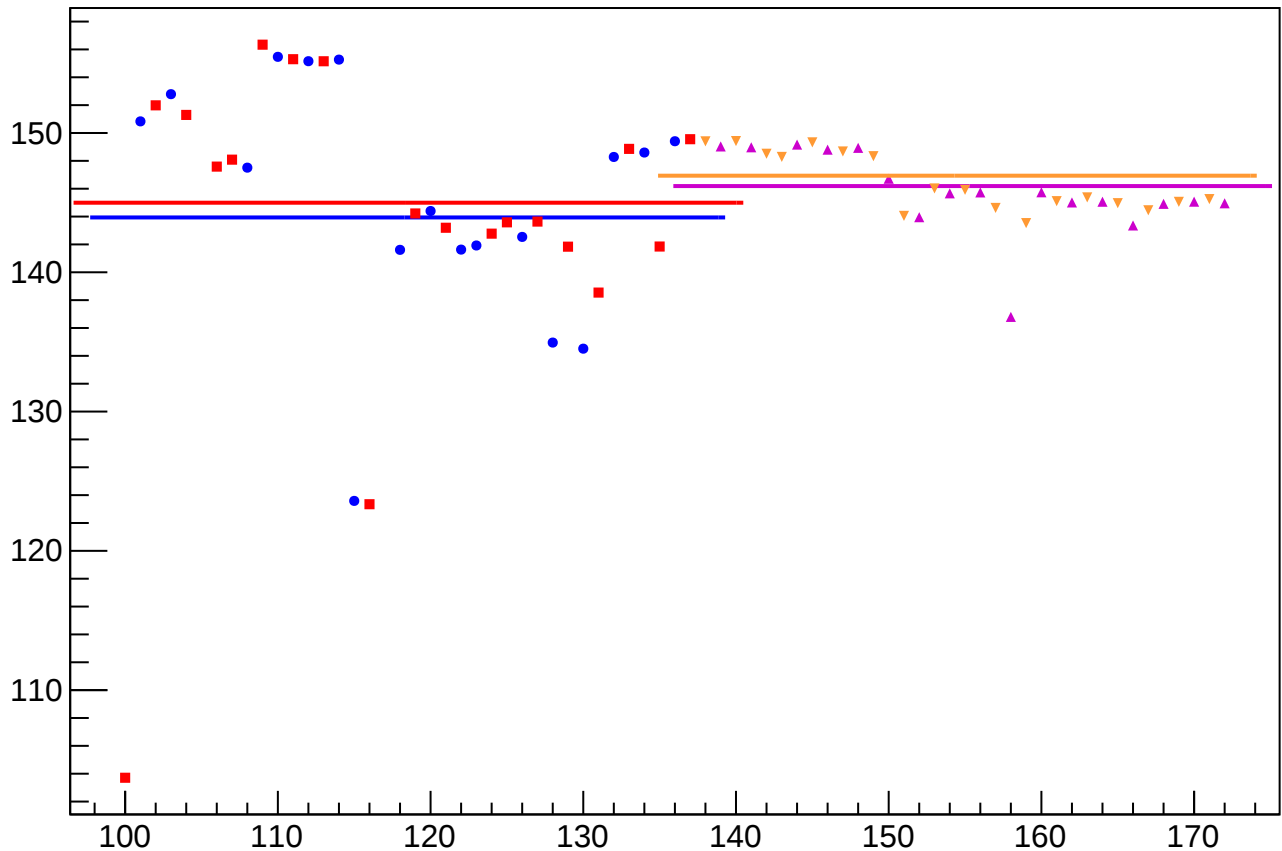
Left In: 0.428 ± 0.000 χ^2/NDF : 767806.1/16

+ sign 0.381 ± 0.000 χ^2/NDF : 2689524.4/34

All: 0.384 ± 0.000 χ^2/NDF : 5175113.4/70

- sign 0.386 ± 0.000 χ^2/NDF : 2482092.7/35

yield_bcm_dg_ds_mean vs Slug



Right In: 143.937 ± 0.000 $\chi^2/\text{NDF}: 3379203532.9/16$

Left Out: 146.935 ± 0.000 $\chi^2/\text{NDF}: 310380896.0/17$

Right Out: 144.995 ± 0.000 $\chi^2/\text{NDF}: 3934069043.2/18$

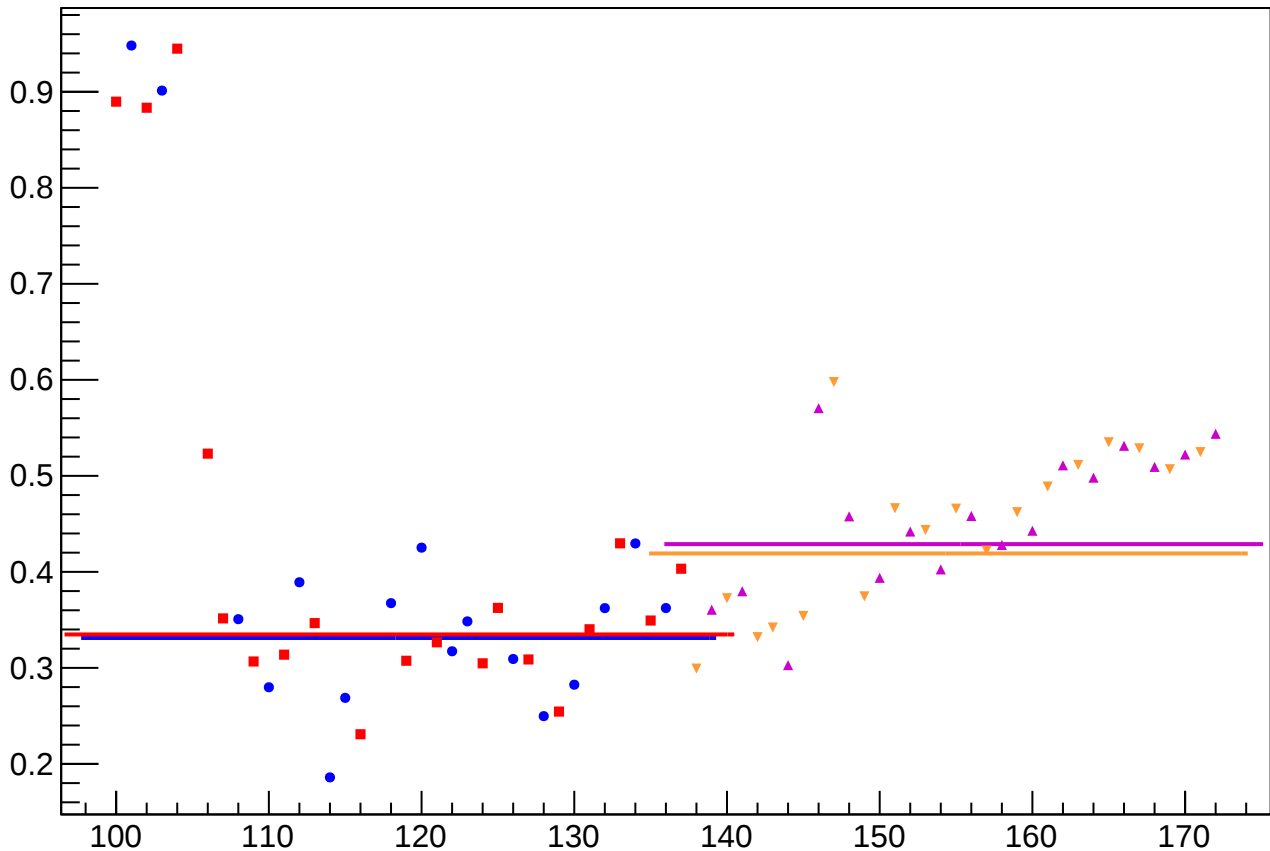
Left In: 146.190 ± 0.000 $\chi^2/\text{NDF}: 625535092.4/16$

+ sign 145.687 ± 0.000 $\chi^2/\text{NDF}: 3954588888.8/34$

All: 145.677 ± 0.000 $\chi^2/\text{NDF}: 8556100057.7$

- sign 145.667 ± 0.000 $\chi^2/\text{NDF}: 4601487153.9/35$

yield_bcm_dg_ds_rms vs Slug



Right In: 0.331 ± 0.000 χ^2/NDF : 1295749.0/16

Left Out: 0.419 ± 0.000 χ^2/NDF : 925151.2/17

Right Out: 0.335 ± 0.000 χ^2/NDF : 1172239.8/18

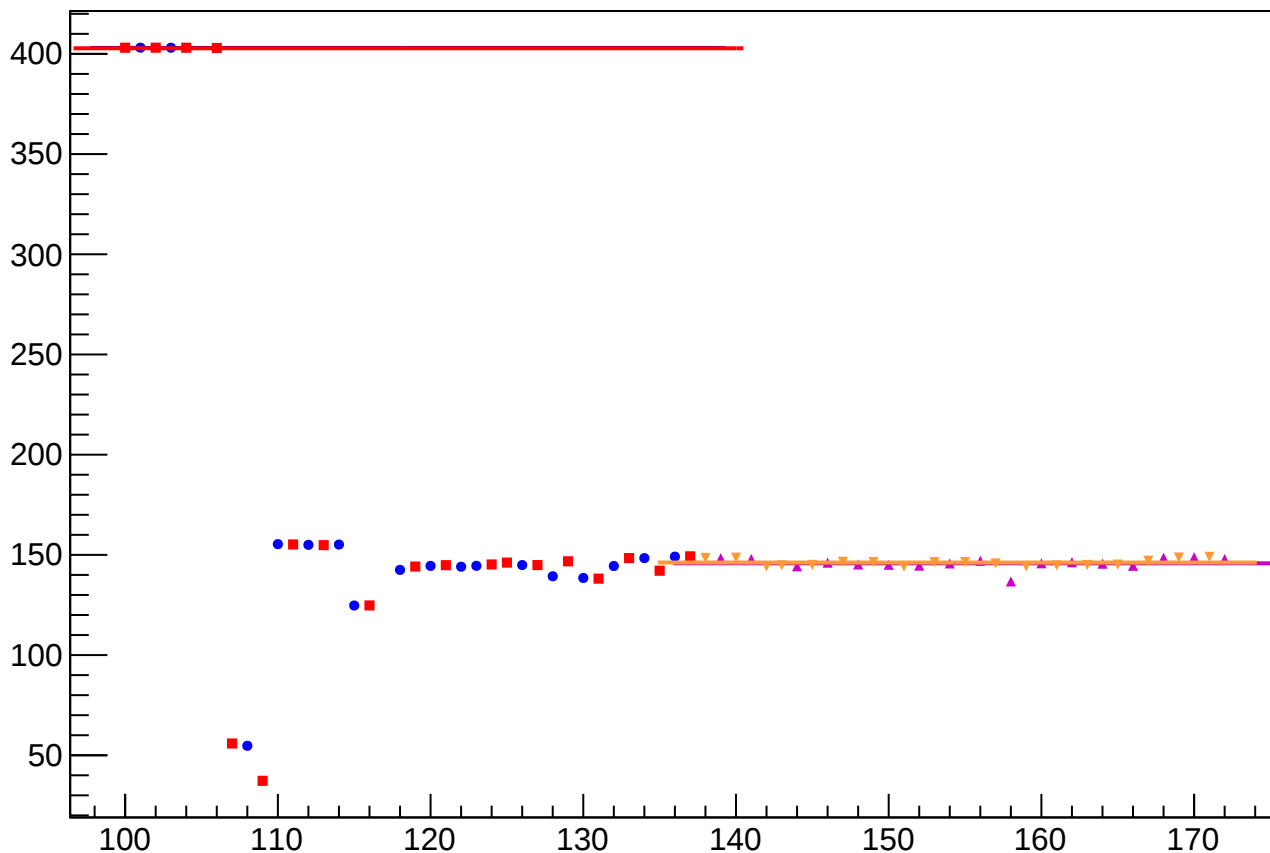
Left In: 0.429 ± 0.000 χ^2/NDF : 740501.3/16

+ sign 0.383 ± 0.000 χ^2/NDF : 2677728.5/34

All: 0.385 ± 0.000 χ^2/NDF : 5113083.3/70

- sign 0.388 ± 0.000 χ^2/NDF : 2432085.1/35

yield_cav4bQ_mean vs Slug



Right In: 402.957+/-0.000 χ^2/NDF : 1096710296821.6/16

Left Out: 146.184+/-0.000 χ^2/NDF : 70658447.1/17

Right Out: 402.799+/-0.000 χ^2/NDF : 3103890772575.4/18

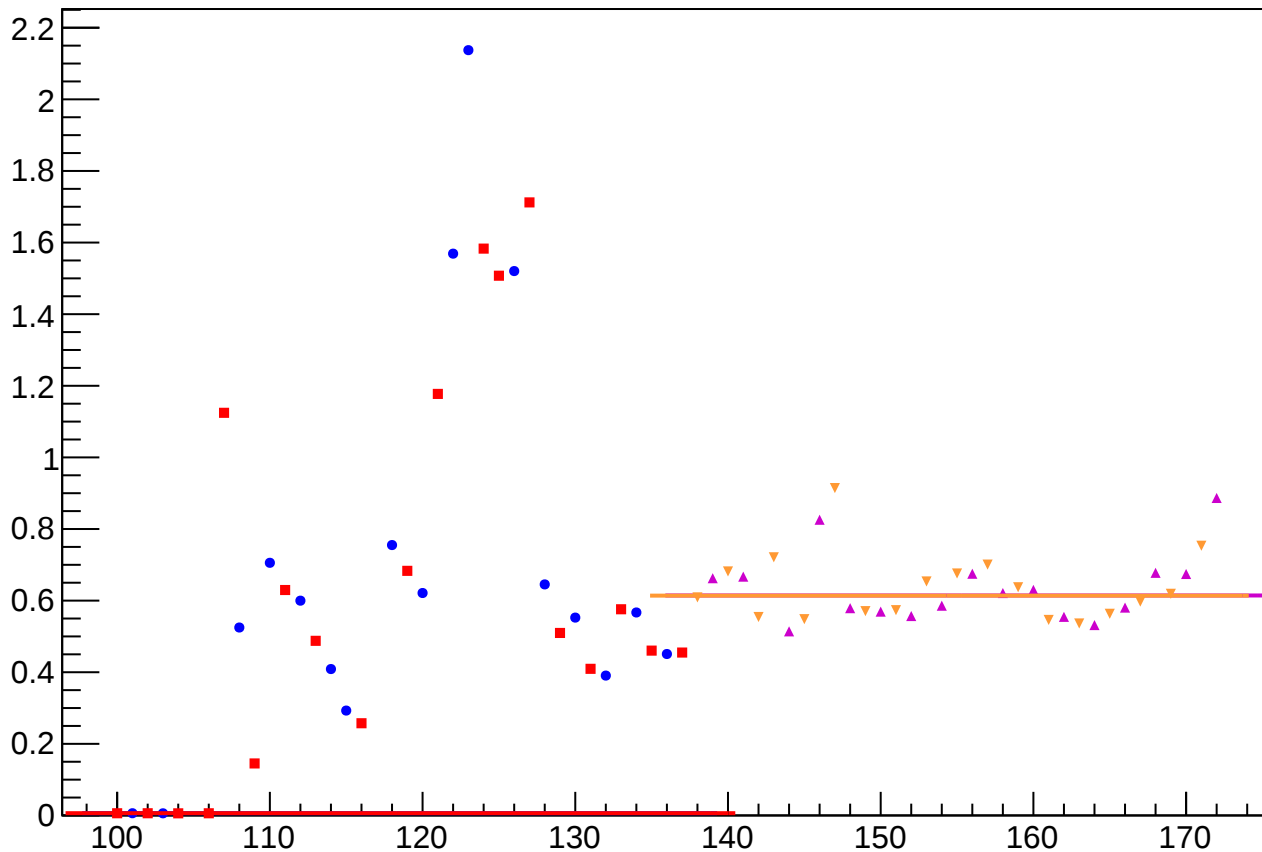
Left In: 145.790+/-0.000 χ^2/NDF : 168291263.8/16

+ sign 402.739+/-0.000 χ^2/NDF : 2843001609644.5

All: 402.671+/-0.000 χ^2/NDF : 765156590865

- sign 402.611+/-0.000 χ^2/NDF : 4808291242156.2

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9161050.1/16

Left Out: 0.614+/-0.000 χ^2/NDF : 309787.5/17

Right Out: 0.006+/-0.000 χ^2/NDF : 9212402.0/18

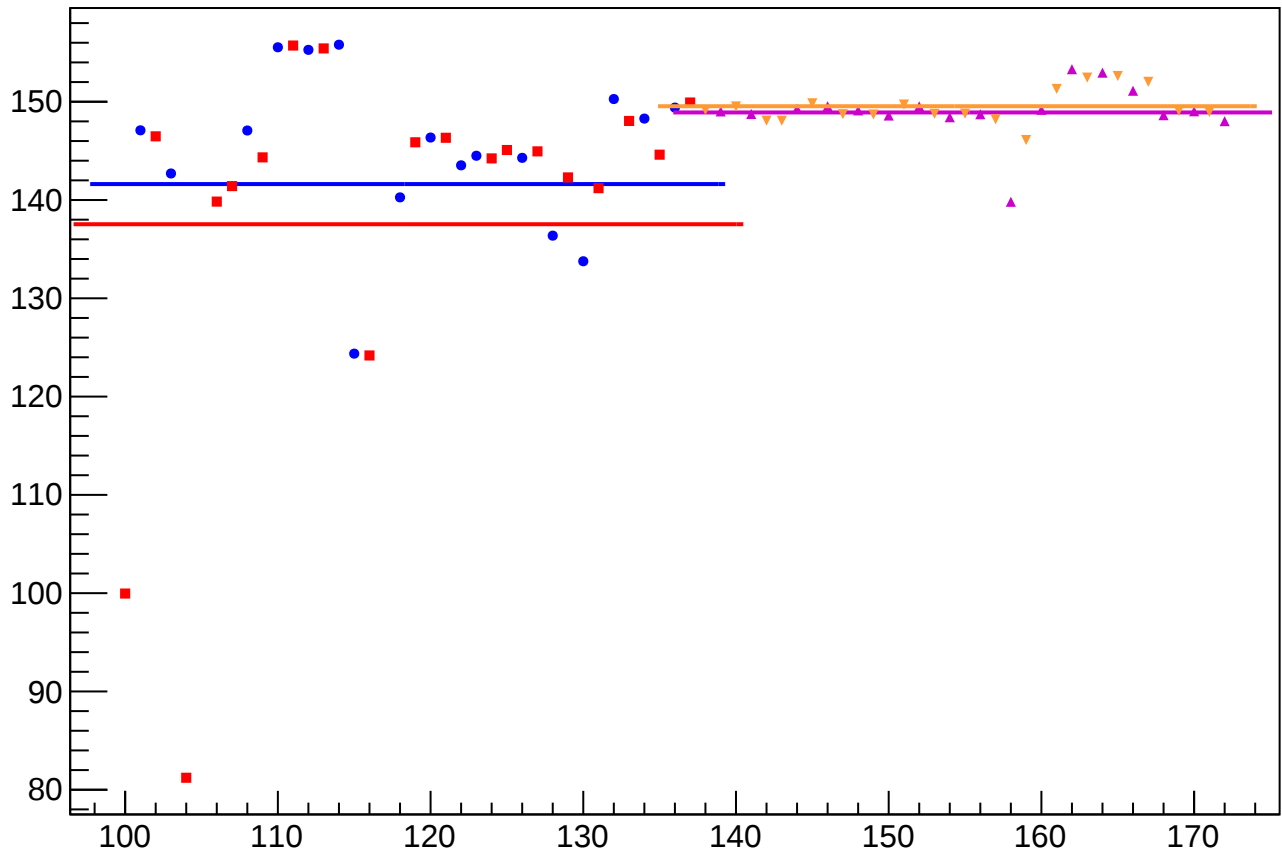
Left In: 0.614+/-0.000 χ^2/NDF : 340820.3/16

+ sign 0.007+/-0.000 χ^2/NDF : 29026481.2/34

All: 0.007+/-0.000 χ^2/NDF : 57657809.4/70

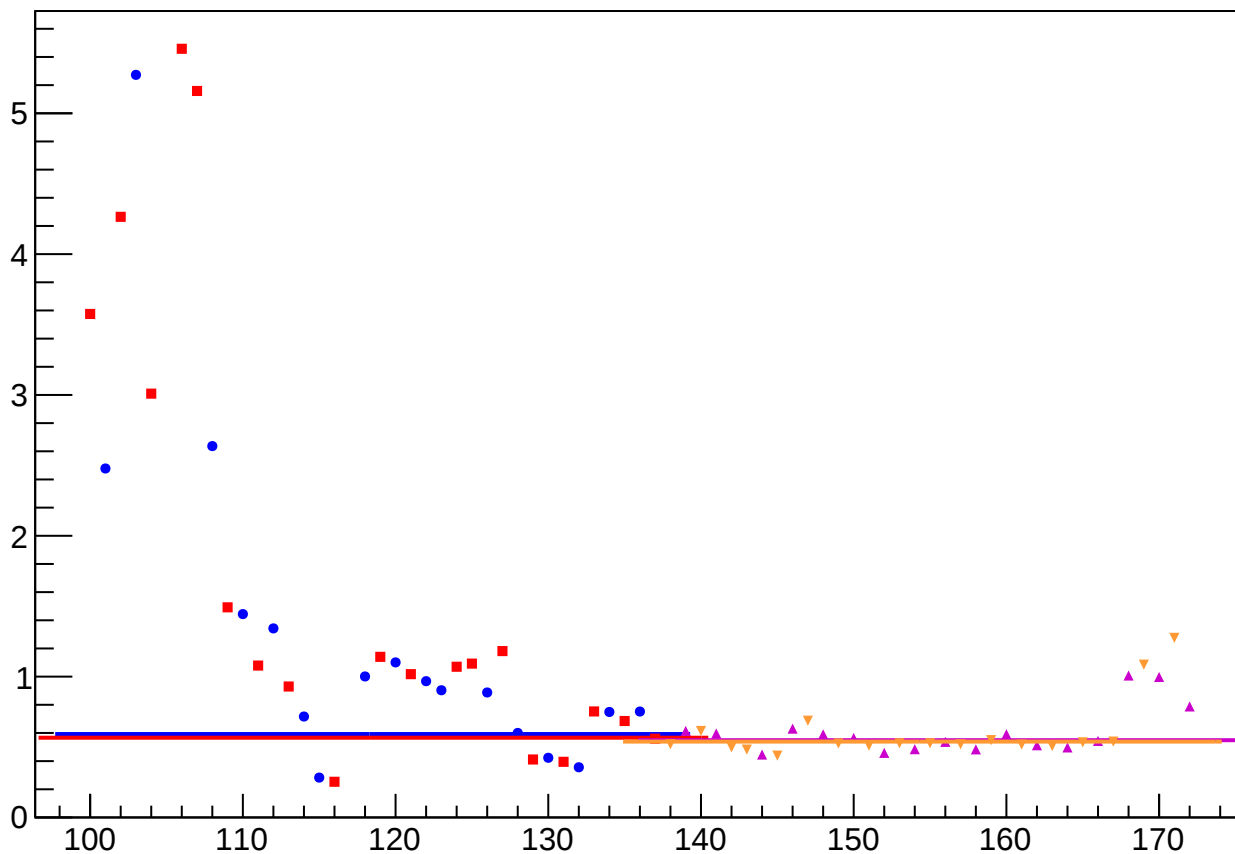
- sign 0.007+/-0.000 χ^2/NDF : 28631100.1/35

yield_cav4cQ_mean vs Slug



Right In: 141.622 $\pm$ 0.000	χ^2 /NDF: 982037737.7/16	+ sign 147.925 $\pm$ 0.000	χ^2 /NDF: 1606513781.0/34
Left Out: 149.542 $\pm$ 0.000	χ^2 /NDF: 119299130.1/17	All: 147.170 $\pm$ 0.000	χ^2 /NDF: 4413089708.6
Right Out: 137.536 $\pm$ 0.000	χ^2 /NDF: 1315768553.6/18	- sign 146.390 $\pm$ 0.000	χ^2 /NDF: 2749148193.4/35
Left In: 148.909 $\pm$ 0.000	χ^2 /NDF: 363958332.1/16		

yield_cav4cQ_rms vs Slug



Right In: 0.592 $\pm$ 0.000 χ^2 /NDF: 3521577.2/16

Left Out: 0.539 $\pm$ 0.000 χ^2 /NDF:1026531.0/17

Right Out: 0.566 $\pm$ 0.000 χ^2 /NDF: 4682140.9/18

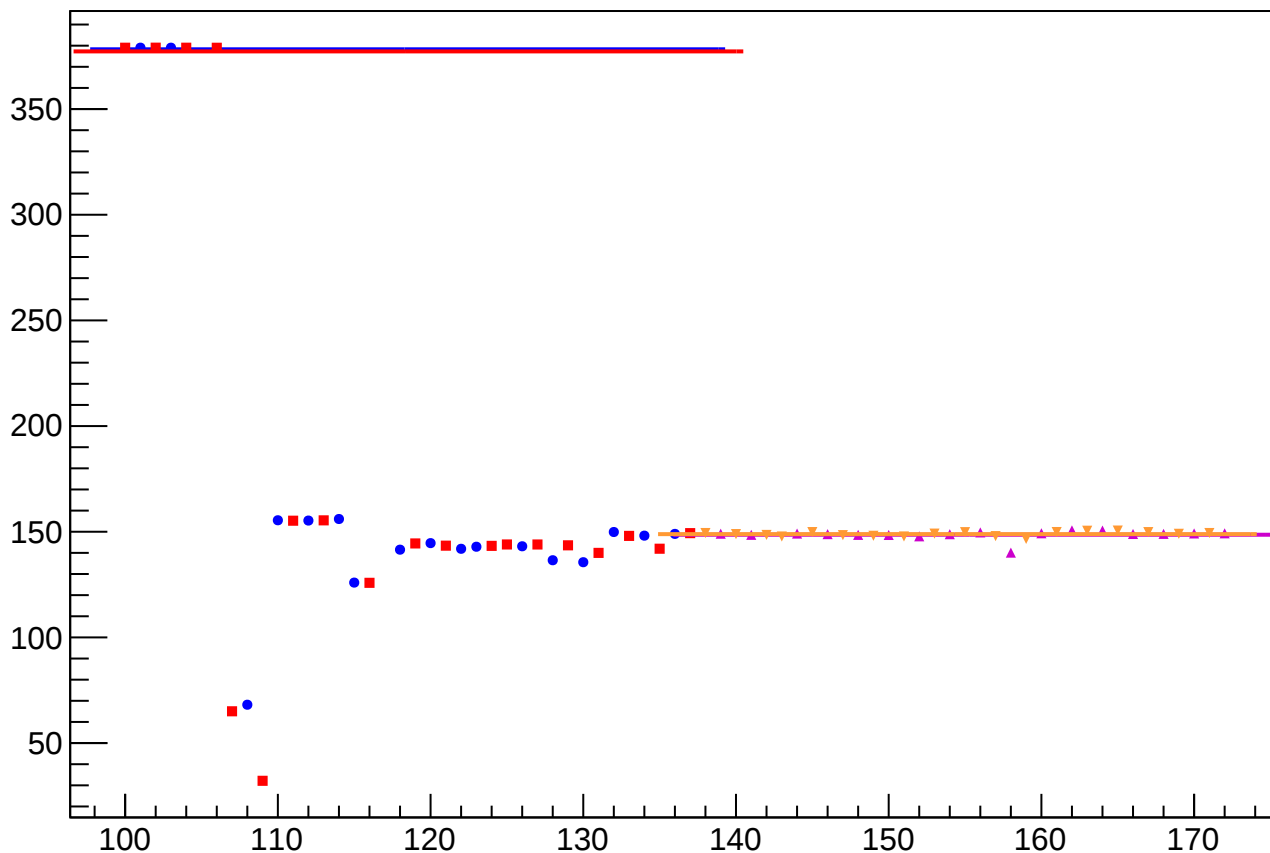
Left In: 0.549 $\pm$ 0.000 χ^2 /NDF:954199.9/16

+ sign 0.550 $\pm$ 0.000 χ^2 /NDF: 4594120.0/34

All: 0.551 $\pm$ 0.000 χ^2 /NDF: 10235941.3/70

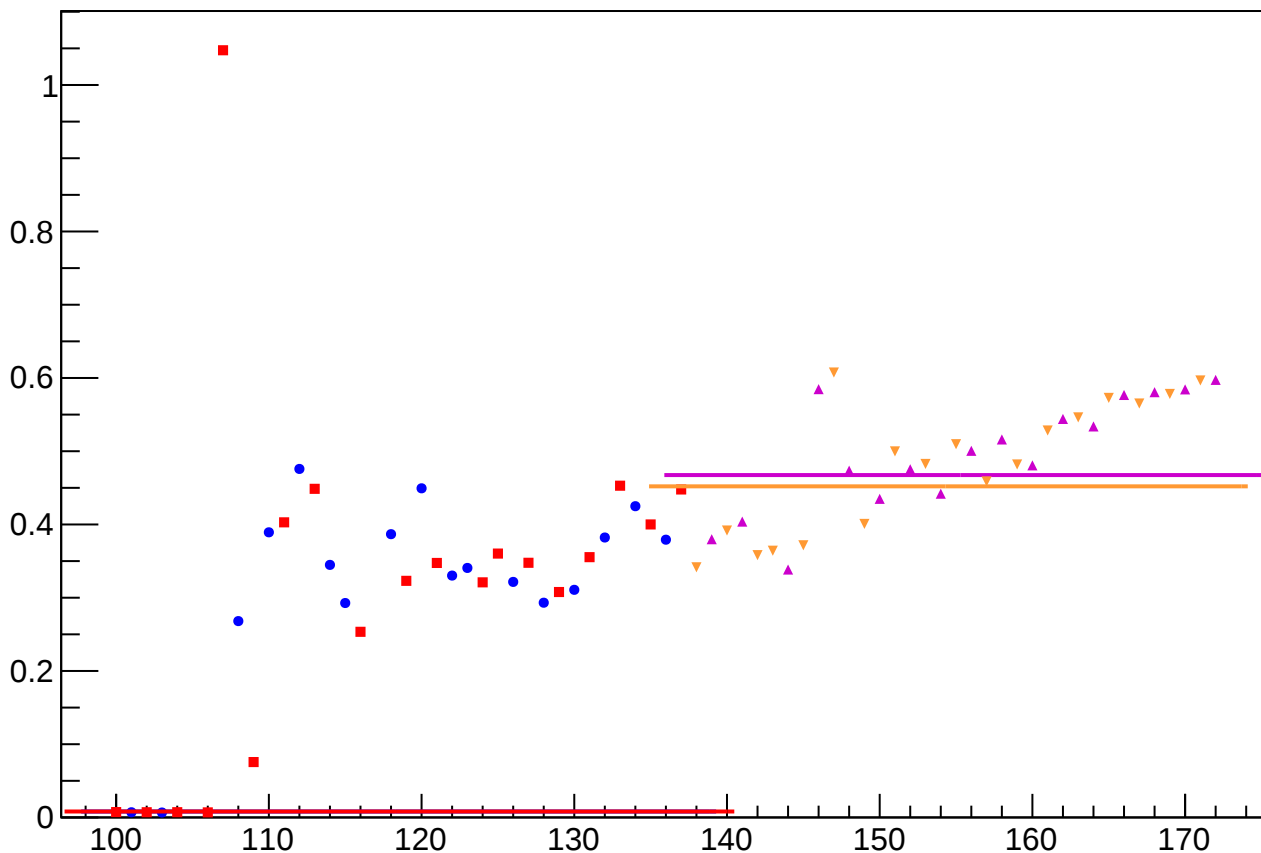
- sign 0.552 $\pm$ 0.000 χ^2 /NDF: 5641448.9/35

yield_cav4dQ_mean vs Slug



Right In: 378.281+/-0.000 χ^2/NDF : 2512261599188.1/16
 Left Out: 148.863+/-0.000 χ^2/NDF : 60619913.3/17
 Right Out: 377.289+/-0.000 χ^2/NDF : 8279468194444.1/18
 Left In: 148.583+/-0.000 χ^2/NDF : 235299792.8/16

yield_cav4dQ_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 9885759.8/16

Left Out: 0.452 $\pm$ 0.000 χ^2 /NDF: 908474.4/17

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 9535410.6/18

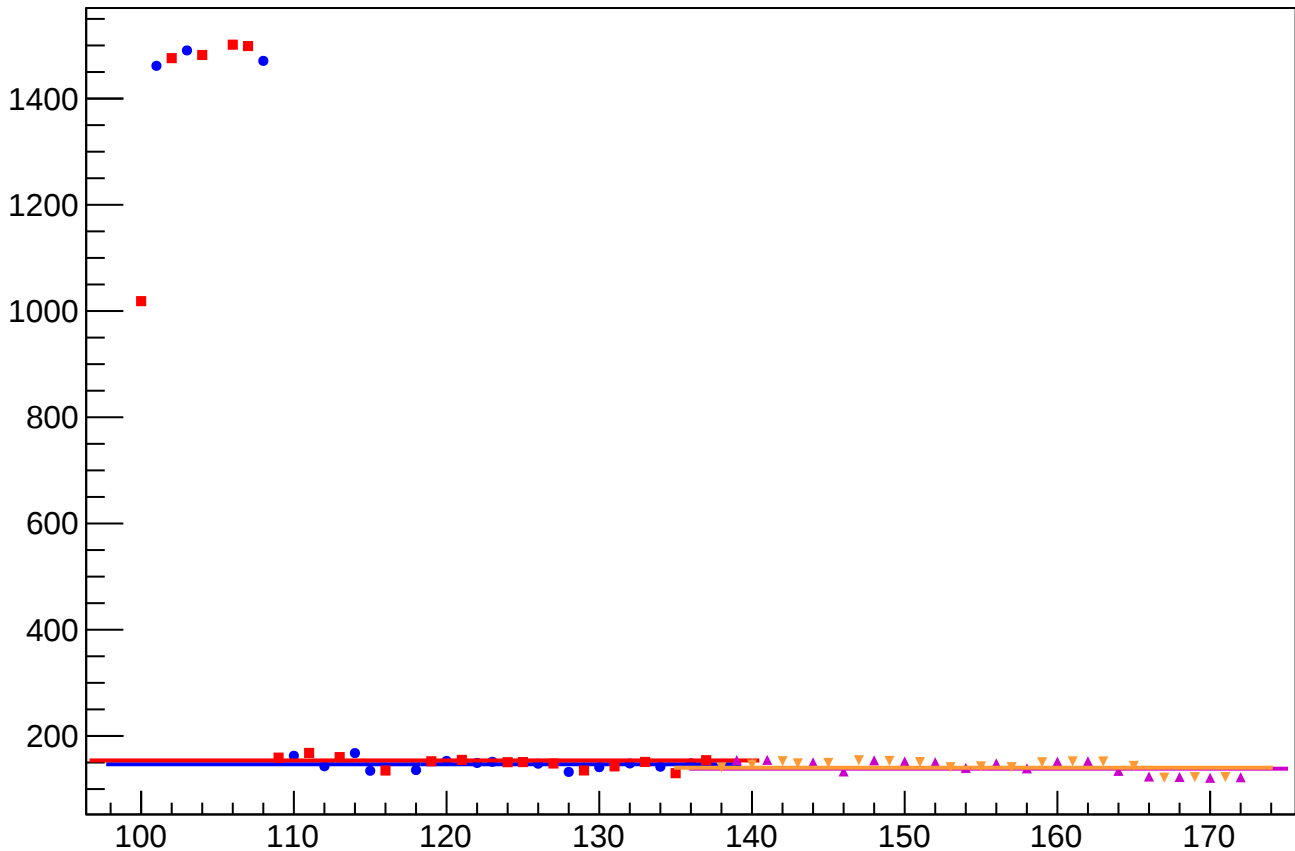
Left In: 0.467 $\pm$ 0.000 χ^2 /NDF: 731417.7/16

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 34923580.4/34

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 69106780.1/70

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 34181860.5/35

yield_bcm0l02_mean vs Slug



Right In: 146.723 ± 0.000 χ^2/NDF : 24350870553.3/16

Left Out: 140.206 ± 0.000 χ^2/NDF : 2364814803.8/17

Right Out: 153.887 ± 0.000 χ^2/NDF : 33738118250.9/18

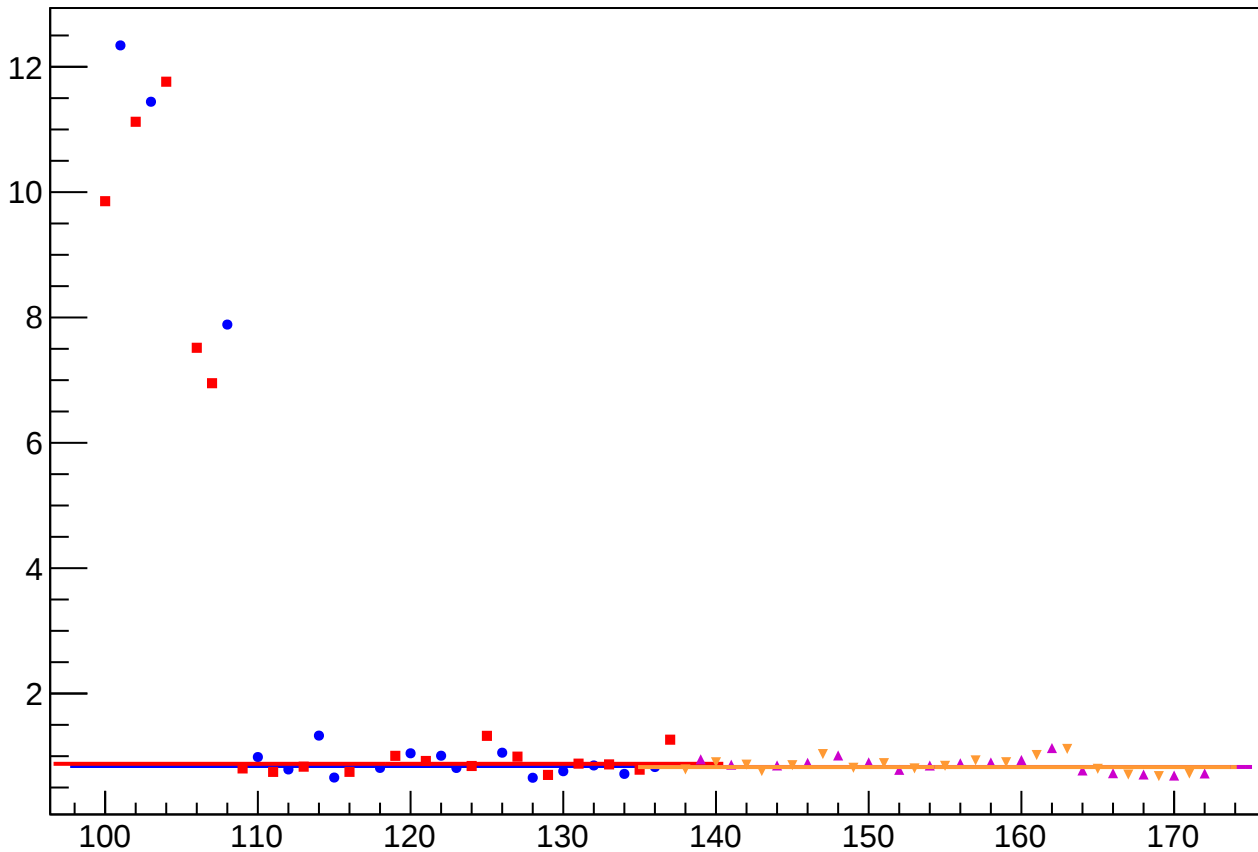
Left In: 138.412 ± 0.000 χ^2/NDF : 2760141771.8/16

+ sign 141.839 ± 0.000 χ^2/NDF : 26886133332.4/34

All: 142.056 ± 0.000 χ^2/NDF : 64337341291.3

- sign 142.273 ± 0.000 χ^2/NDF : 37449201172.3/35

yield_bcm0l02_rms vs Slug



Right In: 0.844 $\pm$ 0.000 χ^2 /NDF: 2670470.7/16

Left Out: 0.826 $\pm$ 0.000 χ^2 /NDF:384332.8/17

Right Out: 0.878 $\pm$ 0.000 χ^2 /NDF: 2812500.6/18

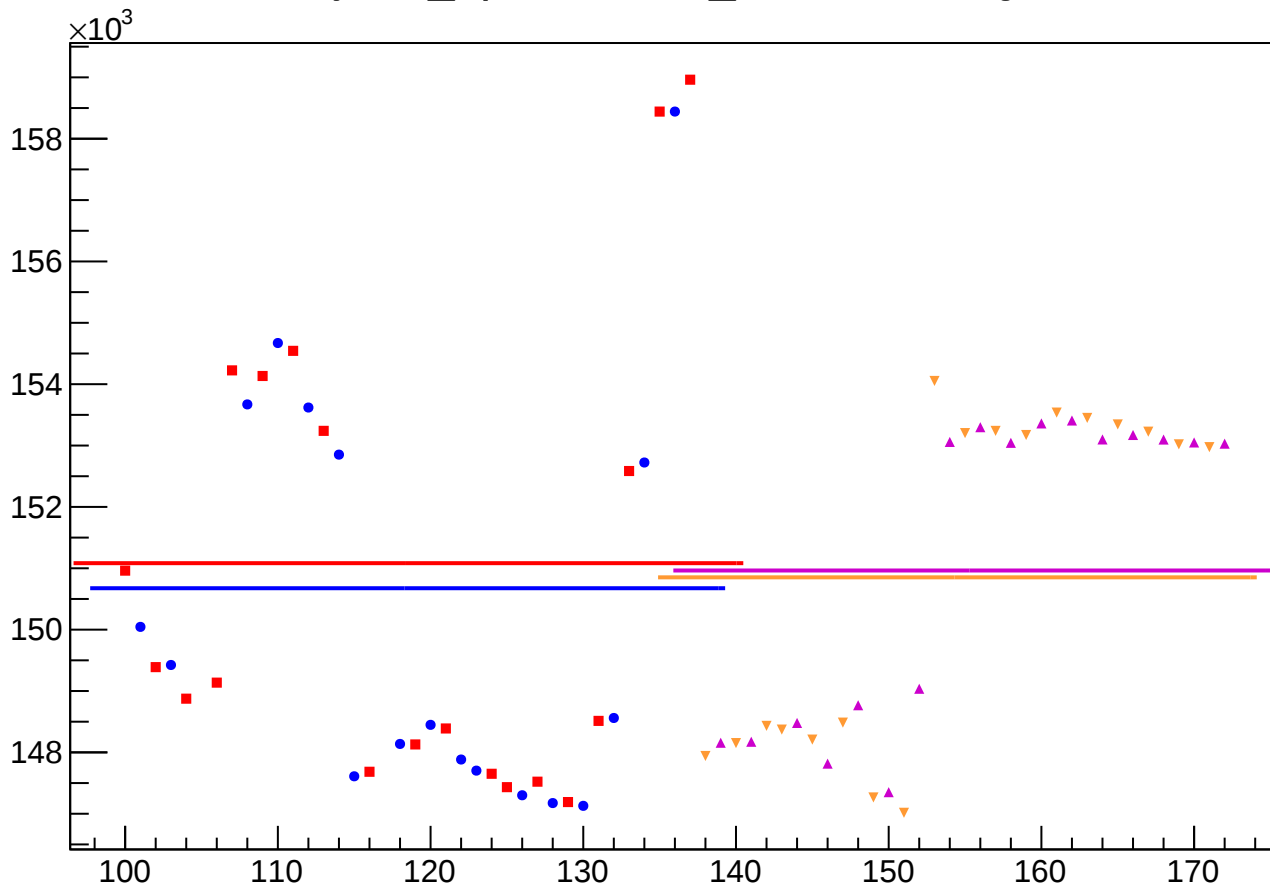
Left In: 0.828 $\pm$ 0.000 χ^2 /NDF:374352.0/16

+ sign 0.831 $\pm$ 0.000 χ^2 /NDF: 3057239.2/34

All: 0.835 $\pm$ 0.000 χ^2 /NDF: 6266361.4/70

- sign 0.840 $\pm$ 0.000 χ^2 /NDF: 3207029.5/35

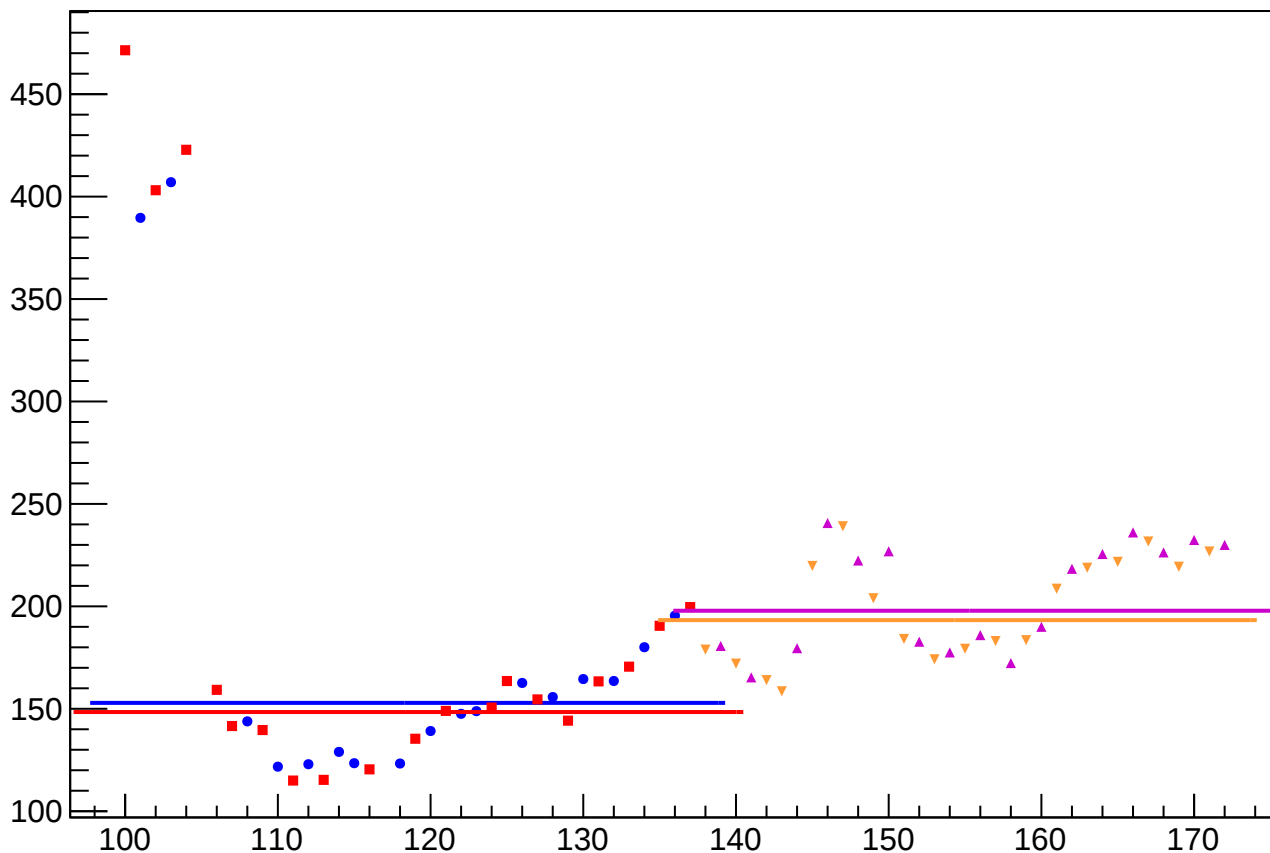
yield_bpm0i01WS_mean vs Slug



Right In: 150675.025 ± 0.063 $\chi^2/\text{NDF}: 3309974859.4/16$
 Left Out: 150852.263 ± 0.053 $\chi^2/\text{NDF}: 2607999356.7/17$
 Right Out: 151083.268 ± 0.060 $\chi^2/\text{NDF}: 3300830370.5/18$
 Left In: 150963.981 ± 0.055 $\chi^2/\text{NDF}: 1955016730.9/16$

+ sign 150778.122 ± 0.041 $\chi^2/\text{NDF}: 5922583700.4/17$
 All: 150899.087 ± 0.029 $\chi^2/\text{NDF}: 111981540.0/17$
 - sign 151019.027 ± 0.041 $\chi^2/\text{NDF}: 5257997812.6/17$

yield_bpm0i01WS_rms vs Slug



Right In: 152.883 $\pm$ 0.045 χ^2 /NDF: 1154088.7/16

Left Out: 193.275 $\pm$ 0.038 χ^2 /NDF: 394882.2/17

Right Out: 148.418 $\pm$ 0.042 χ^2 /NDF: 1191577.6/18

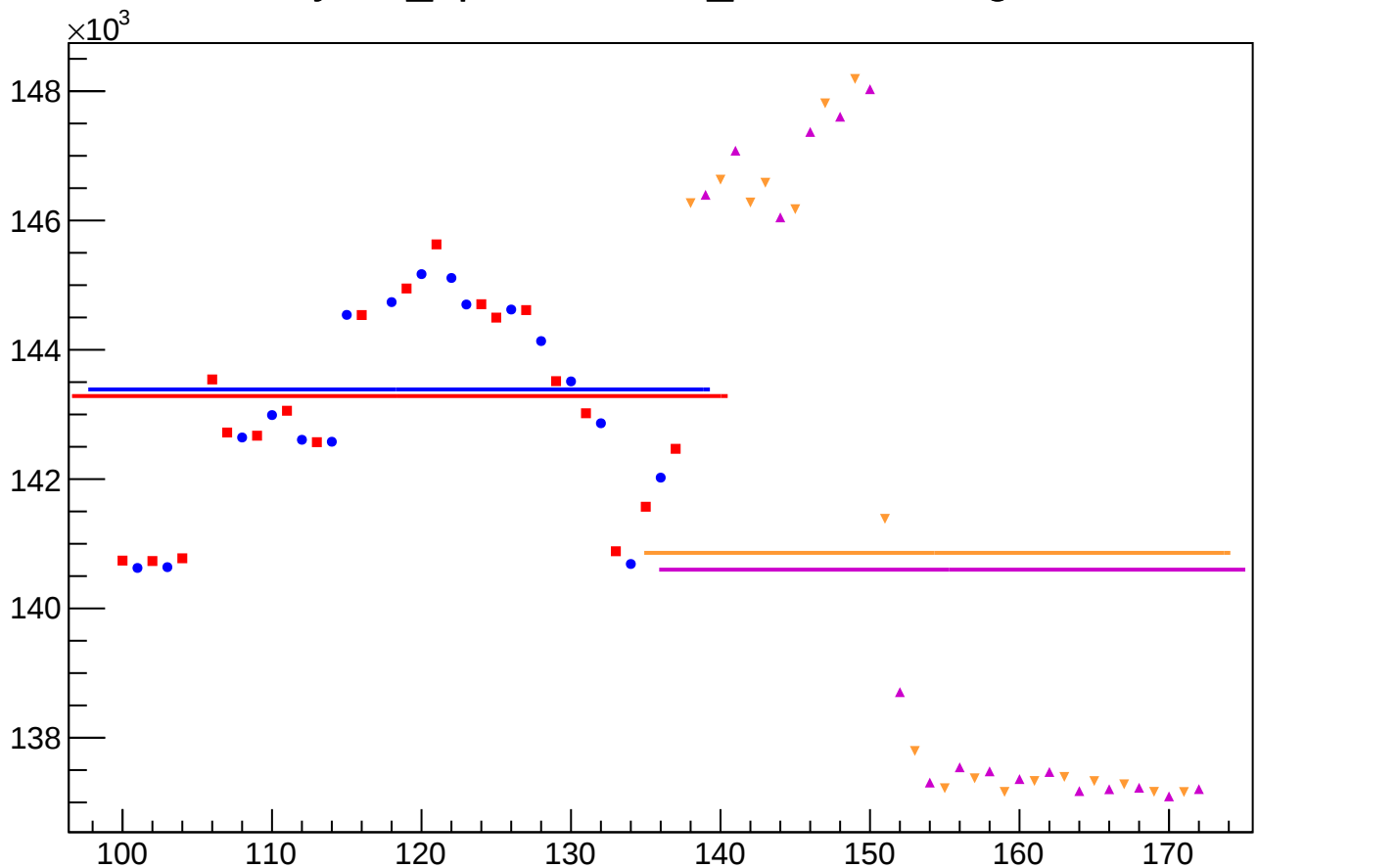
Left In: 197.857 $\pm$ 0.039 χ^2 /NDF: 417933.1/16

+ sign 176.379 $\pm$ 0.029 χ^2 /NDF: 2027773.3/34

All: 175.708 $\pm$ 0.020 χ^2 /NDF: 4377236.1/70

- sign 175.043 $\pm$ 0.029 χ^2 /NDF: 2348383.4/35

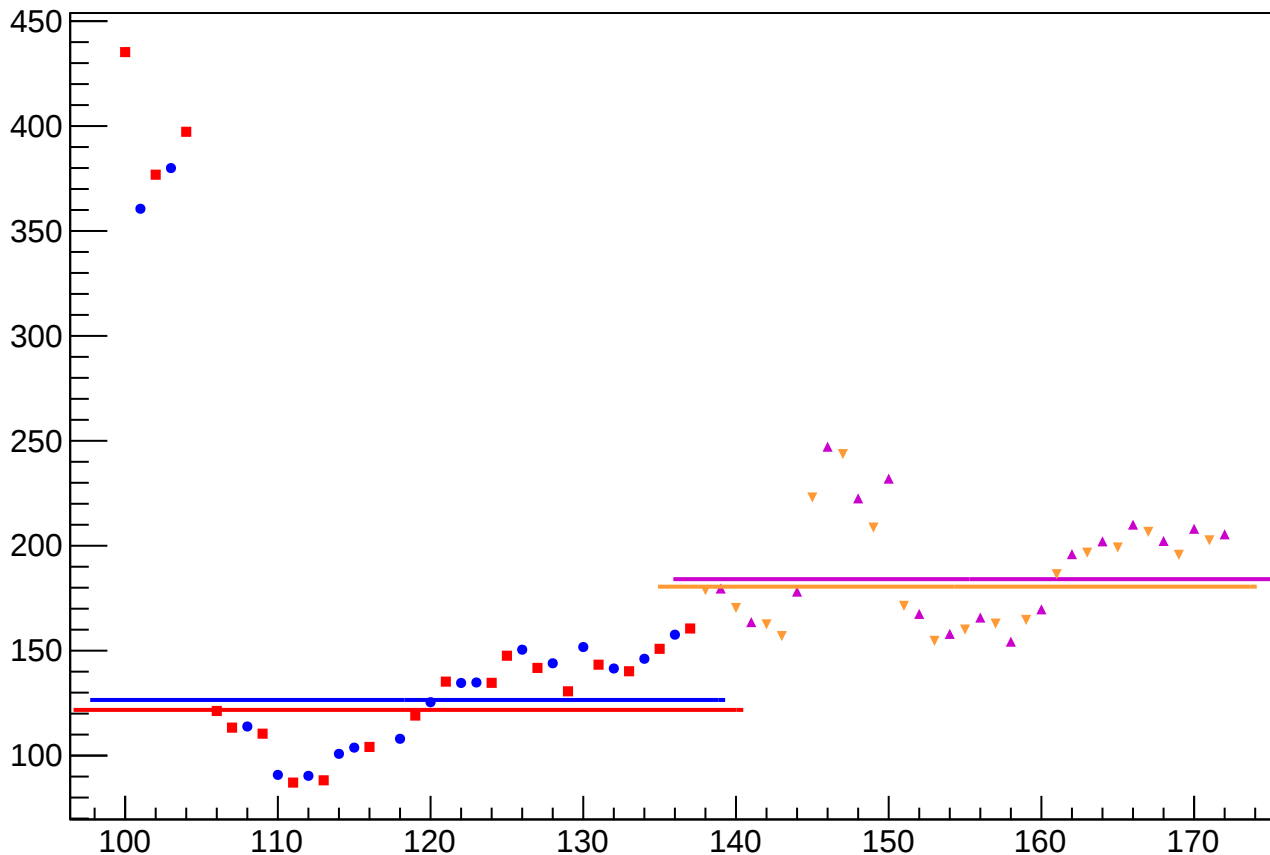
yield_bpm0i01aWS_mean vs Slug



Right In: 143387.099+/-0.053 χ^2/NDF : 521299875.7/16
 Left Out: 140859.571+/-0.050 χ^2/NDF : 7867348947.2/17
 Right Out: 143284.757+/-0.049 χ^2/NDF : 608634820.1/18
 Left In: 140599.571+/-0.052 χ^2/NDF : 7555936507.9/16

+ sign 142054.435+/-0.036 χ^2/NDF : 9600367806.3
 All: 142029.976+/-0.025 χ^2/NDF : 191895652
 - sign 142006.466+/-0.036 χ^2/NDF : 9588304592.6

yield_bpm0i01aWS_rms vs Slug



Right In: 126.514 $\pm$ 0.037 χ^2 /NDF: 1441685.0/16

Left Out: 180.502 $\pm$ 0.035 χ^2 /NDF: 415153.5/17

Right Out: 121.772 $\pm$ 0.035 χ^2 /NDF: 1463829.4/18

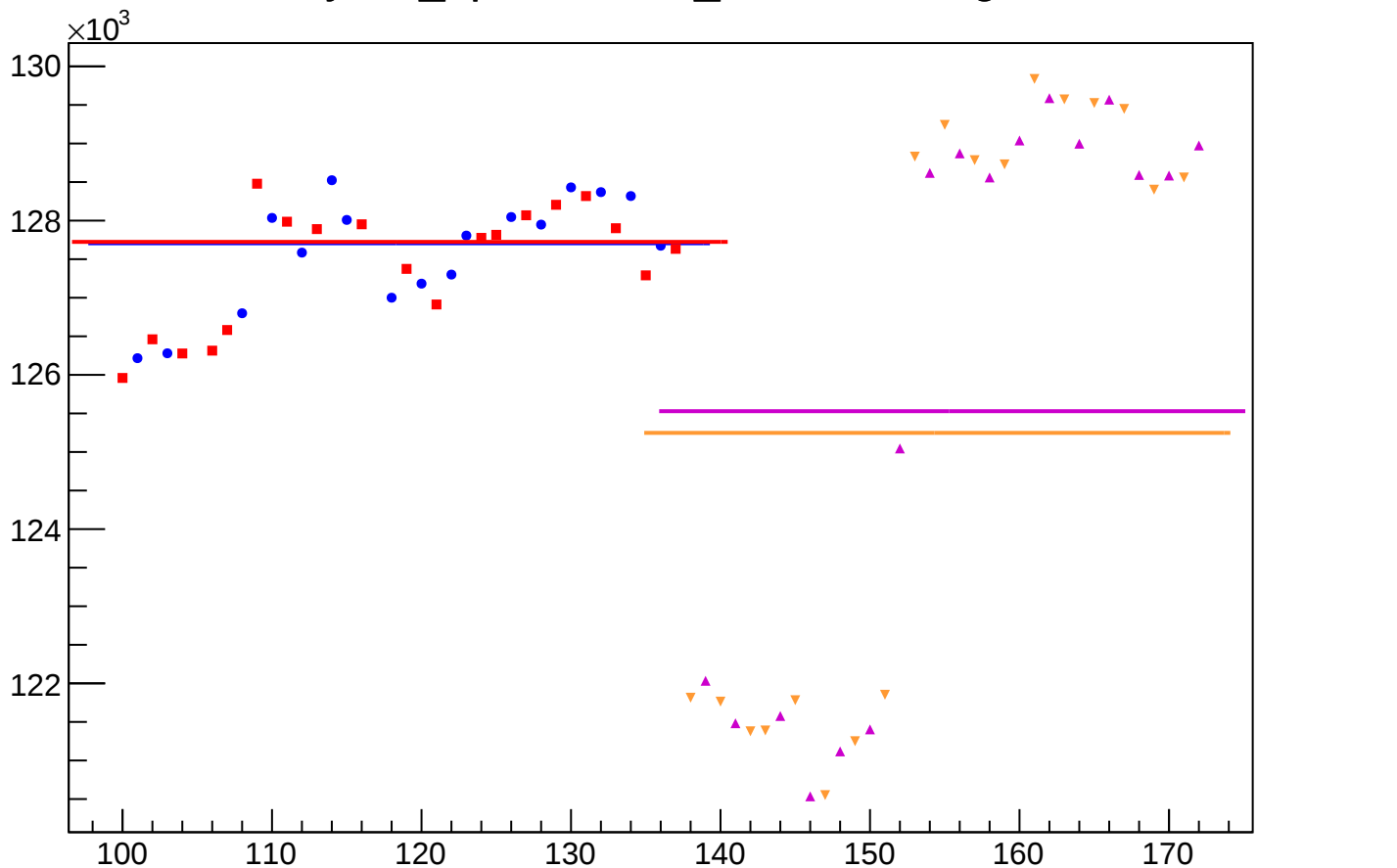
Left In: 184.080 $\pm$ 0.036 χ^2 /NDF: 484527.7/16

+ sign 154.980 $\pm$ 0.026 χ^2 /NDF: 2962523.4/34

All: 153.172 $\pm$ 0.018 χ^2 /NDF: 6453814.3/70

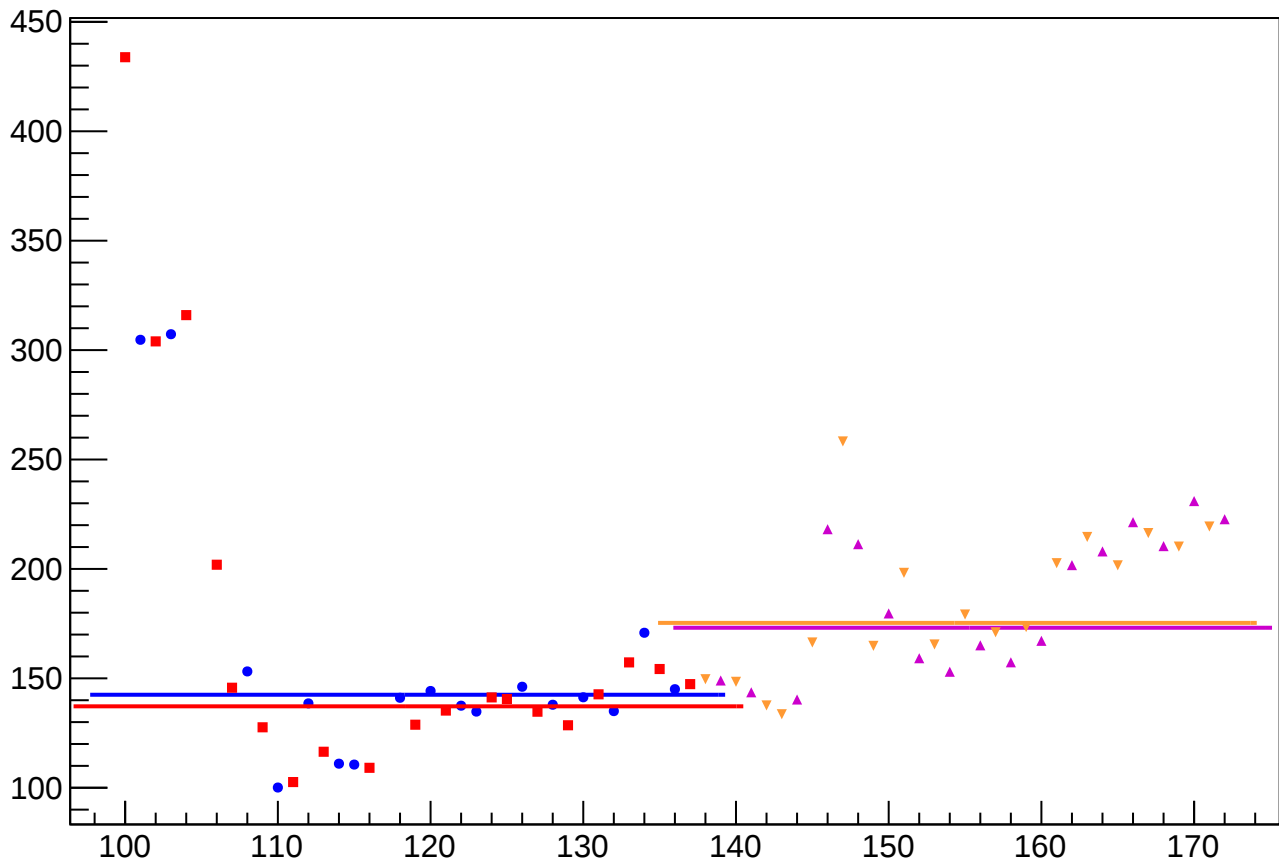
- sign 151.434 $\pm$ 0.025 χ^2 /NDF: 3481534.9/35

yield_bpm0l01WS_mean vs Slug



Right In: 127706.194+/-0.058	χ^2/NDF : 97860521.1/16	+ sign 126273.224+/-0.037	χ^2/NDF : 7048172739.1
Left Out: 125247.935+/-0.049	χ^2/NDF : 5905299632.1/17	All: 126393.639+/-0.026	χ^2/NDF : 13388205
Right Out: 127724.256+/-0.055	χ^2/NDF : 112614317.2/18	- sign 126507.101+/-0.036	χ^2/NDF : 6320001306.7
Left In: 125528.947+/-0.049	χ^2/NDF : 5308678174.2/16		

yield_bpm0l01WS_rms vs Slug



Right In: 142.502 ± 0.041 χ^2/NDF : 836263.7/16

Left Out: 175.343 ± 0.035 χ^2/NDF : 736124.9/17

Right Out: 137.211 ± 0.039 χ^2/NDF : 957317.1/18

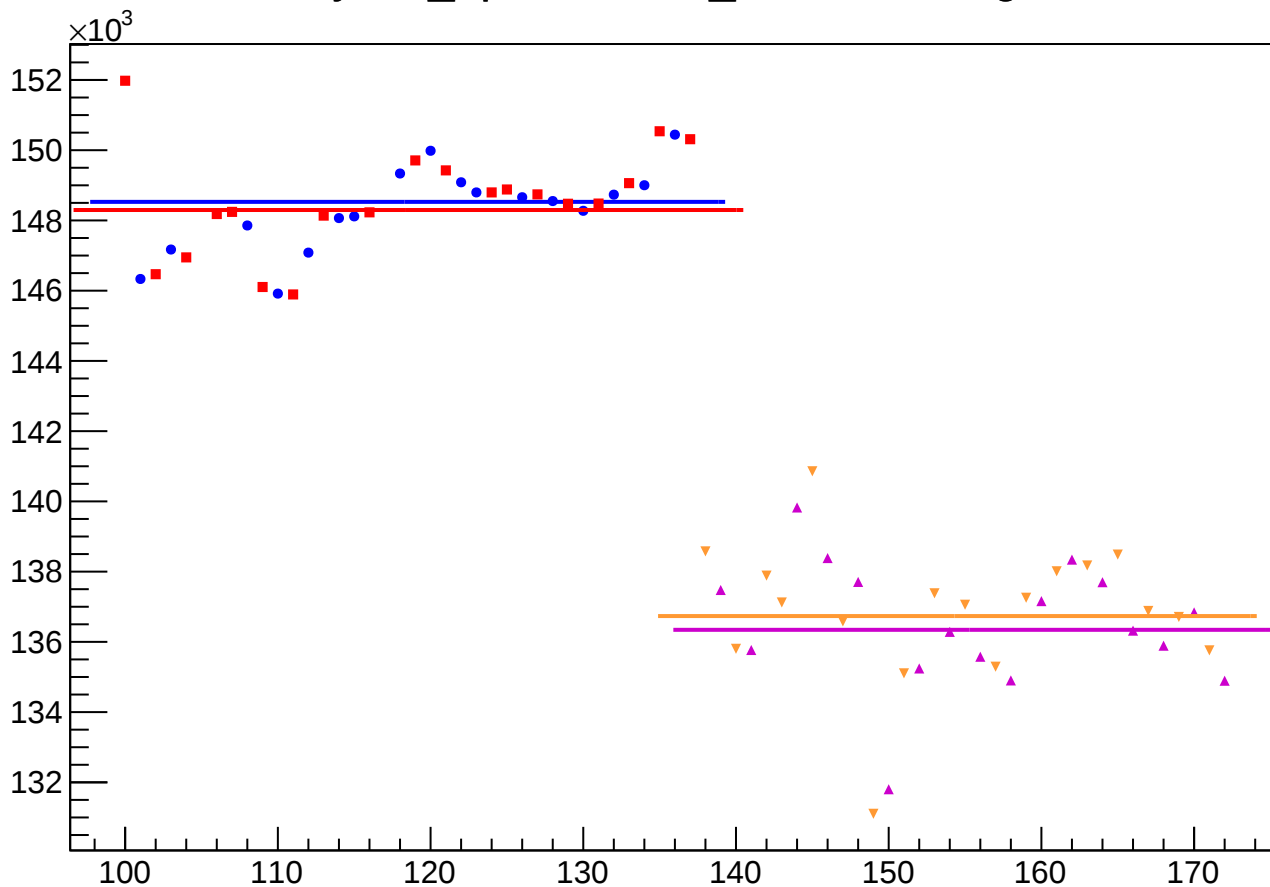
Left In: 173.121 ± 0.035 χ^2/NDF : 714167.6/16

+ sign 161.646 ± 0.027 χ^2/NDF : 1945416.1/34

All: 159.316 ± 0.018 χ^2/NDF : 4112826.0/70

- sign 157.121 ± 0.026 χ^2/NDF : 2152417.2/35

yield_bpm0l02WS_mean vs Slug



Right In: 148528.851 $\pm$ 0.082 χ^2 /NDF: 209986594.2/16

Left Out: 136734.786 $\pm$ 0.072 χ^2 /NDF: 837886705.8/17

Right Out: 148297.126 $\pm$ 0.076 χ^2 /NDF: 293244556.5/18

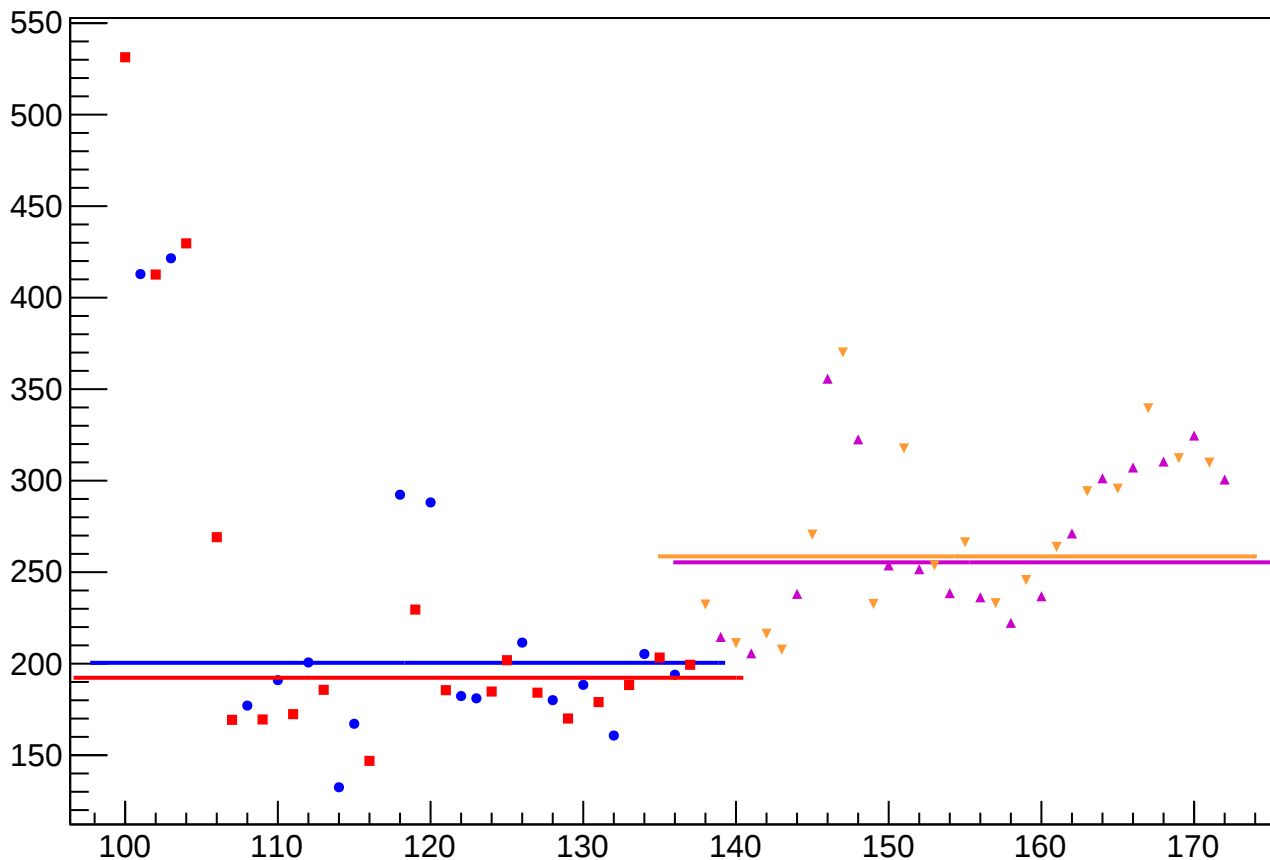
Left In: 136342.948 $\pm$ 0.072 χ^2 /NDF: 658105195.7/16

+ sign 141867.700 $\pm$ 0.054 χ^2 /NDF: 12711566237.0

All: 141907.537 $\pm$ 0.038 χ^2 /NDF: 266700583.0

- sign 141944.718 $\pm$ 0.052 χ^2 /NDF: 13957445462.0

yield_bpm0l02WS_rms vs Slug



Right In: 200.472 ± 0.058 χ^2/NDF : 936547.2/16

Left Out: 258.620 ± 0.051 χ^2/NDF : 664792.5/17

Right Out: 192.304 ± 0.054 χ^2/NDF : 844504.1/18

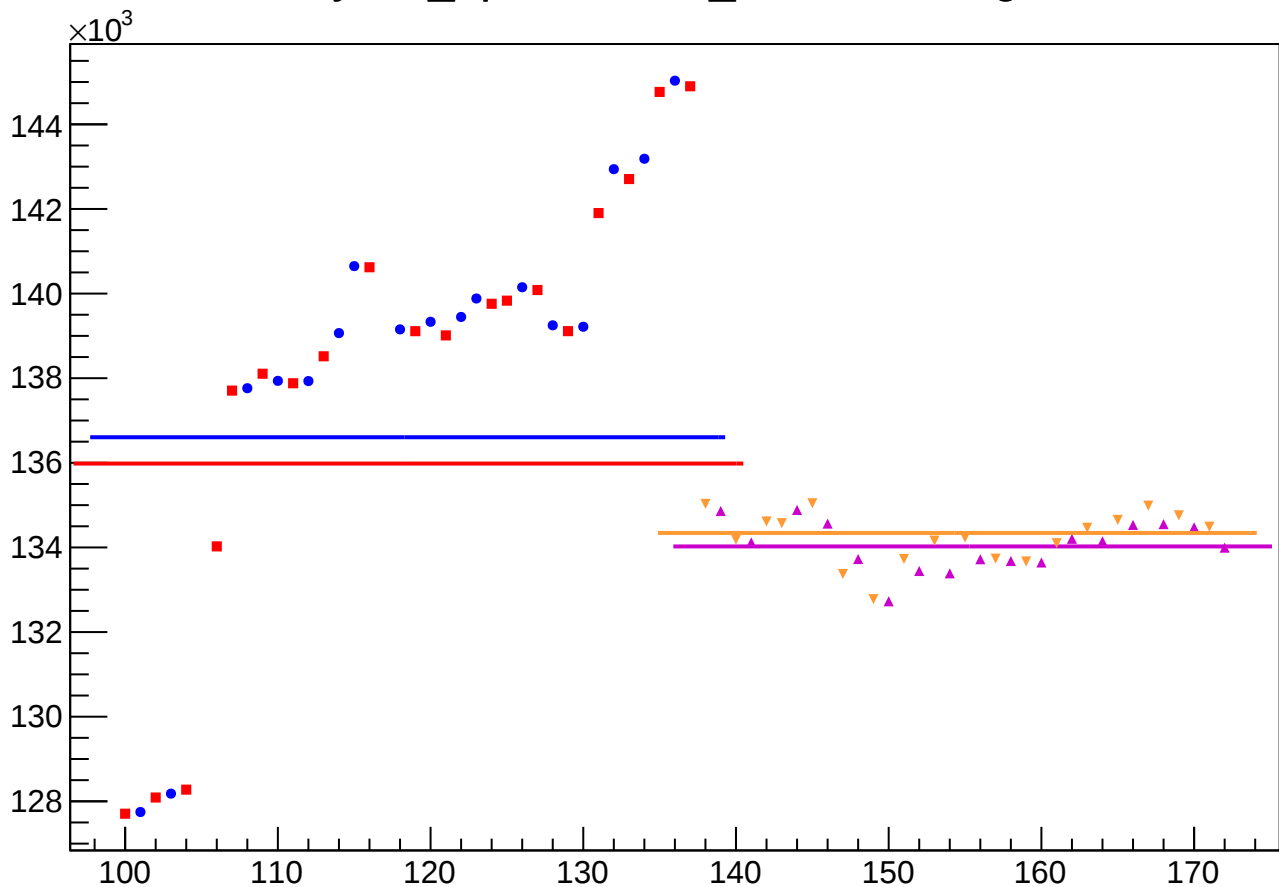
Left In: 255.372 ± 0.051 χ^2/NDF : 629766.1/16

+ sign 233.313 ± 0.038 χ^2/NDF : 2168366.8/34

All: 229.436 ± 0.027 χ^2/NDF : 4386480.5/70

- sign 225.818 ± 0.037 χ^2/NDF : 2198288.3/35

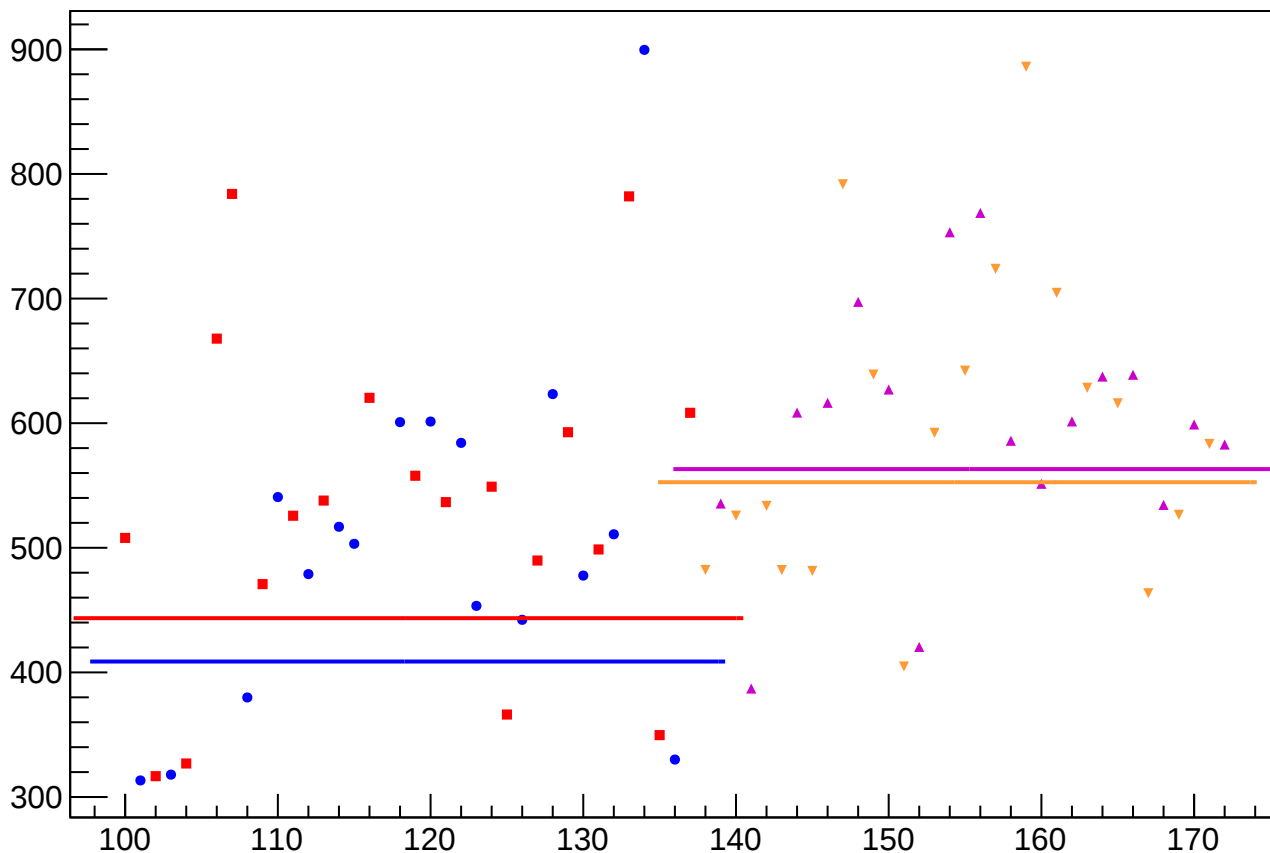
yield_bpm0l03WS_mean vs Slug



Right In: 136604.632 ± 0.171 $\chi^2/\text{NDF}: 1494354557.3/16$
 Left Out: 134342.619 ± 0.161 $\chi^2/\text{NDF}: 13386141.1/17$
 Right Out: 135982.842 ± 0.183 $\chi^2/\text{NDF}: 1082431147.9/18$
 Left In: 134024.008 ± 0.169 $\chi^2/\text{NDF}: 10815568.3/16$

+ sign 135405.640 ± 0.118 $\chi^2/\text{NDF}: 1600017808.0$
 All: 135179.358 ± 0.085 $\chi^2/\text{NDF}: 276305960$
 - sign 134927.248 ± 0.124 $\chi^2/\text{NDF}: 1155204457.5/16$

yield_bpm0l03WS_rms vs Slug



Right In: 408.729 $\pm$ 0.121 χ^2 /NDF: 823262.8/16

Left Out: 552.628 $\pm$ 0.114 χ^2 /NDF:887232.9/17

Right Out: 443.521 $\pm$ 0.129 χ^2 /NDF: 917492.4/18

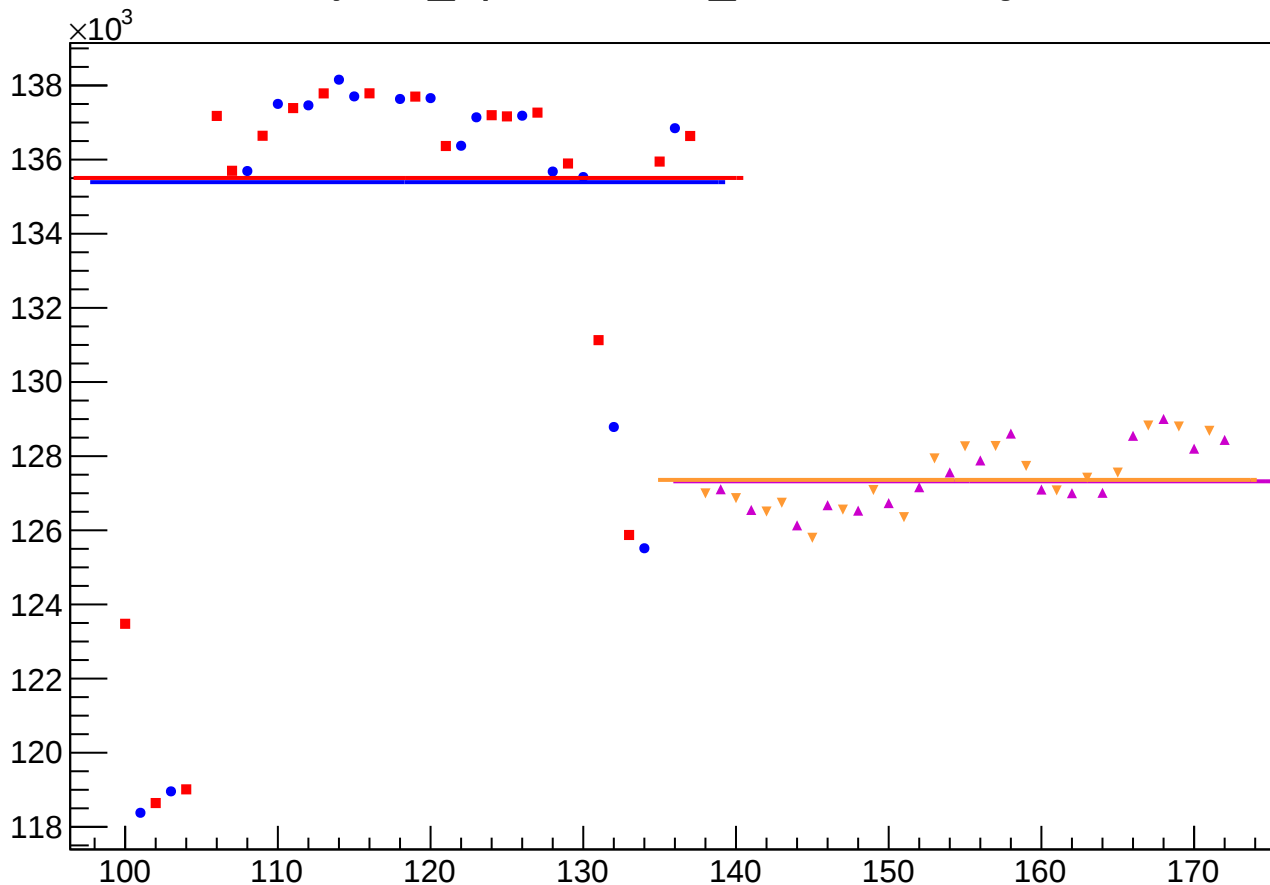
Left In: 563.155 $\pm$ 0.119 χ^2 /NDF:748329.8/16

+ sign 485.004 $\pm$ 0.083 χ^2 /NDF: 2457367.5/34

All: 495.877 $\pm$ 0.060 χ^2 /NDF: 4621590.4/70

- sign 507.991 $\pm$ 0.088 χ^2 /NDF: 2128032.1/35

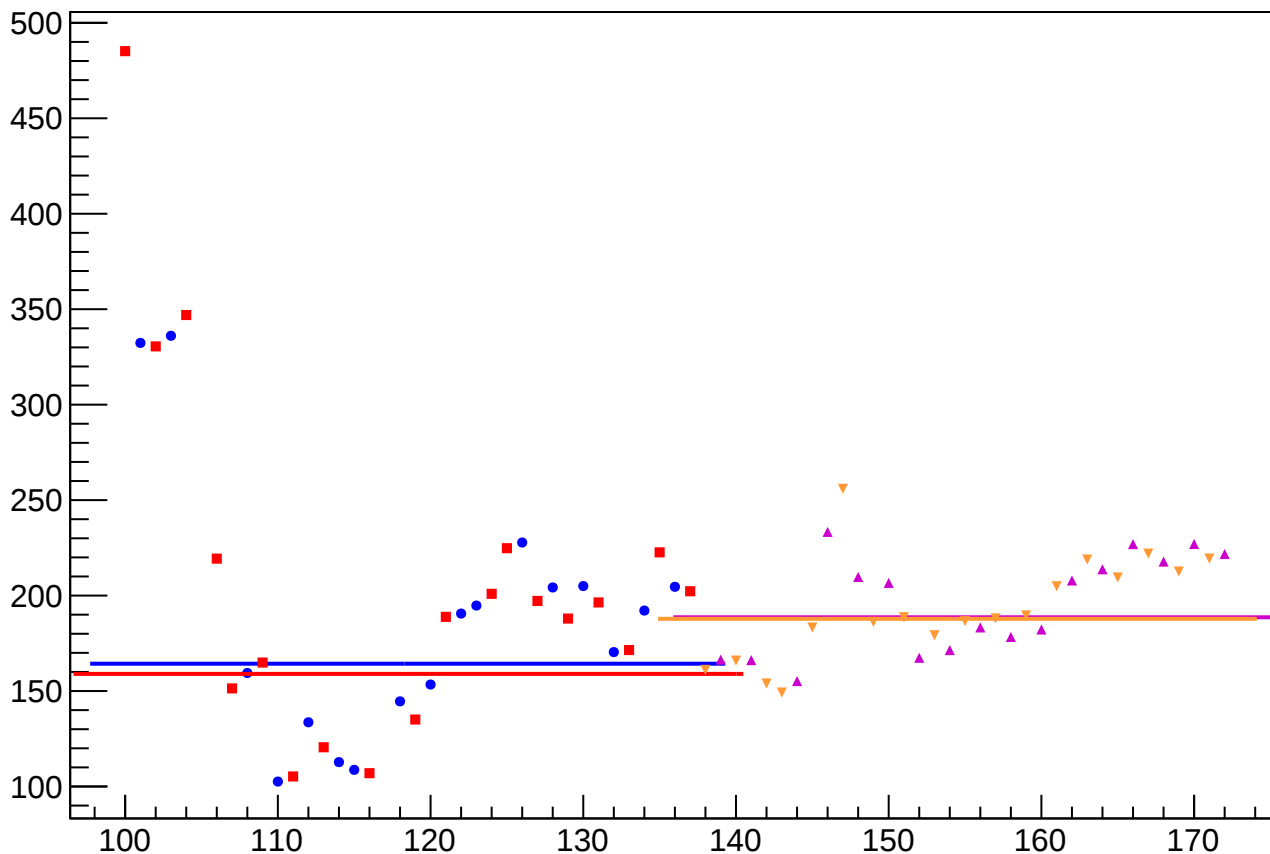
yield_bpm0l04WS_mean vs Slug



Right In: 135391.458 $\pm$ 0.068 χ^2 /NDF: 4580024611.0/16
 Left Out: 127359.528 $\pm$ 0.052 χ^2 /NDF: 268472161.0/17
 Right Out: 135504.836 $\pm$ 0.064 χ^2 /NDF: 4730667469.8/18
 Left In: 127321.537 $\pm$ 0.053 χ^2 /NDF: 244567832.9/16

+ sign 130316.976 $\pm$ 0.041 χ^2 /NDF: 13594925161.7
 All: 130467.409 $\pm$ 0.029 χ^2 /NDF: 282498111
 - sign 130613.647 $\pm$ 0.041 χ^2 /NDF: 14628875961.6

yield_bpm0l04WS_rms vs Slug



Right In: 164.311 ± 0.048 χ^2/NDF : 1230487.8/16

Left Out: 187.831 ± 0.037 χ^2/NDF : 451643.3/17

Right Out: 158.977 ± 0.046 χ^2/NDF : 1384059.2/18

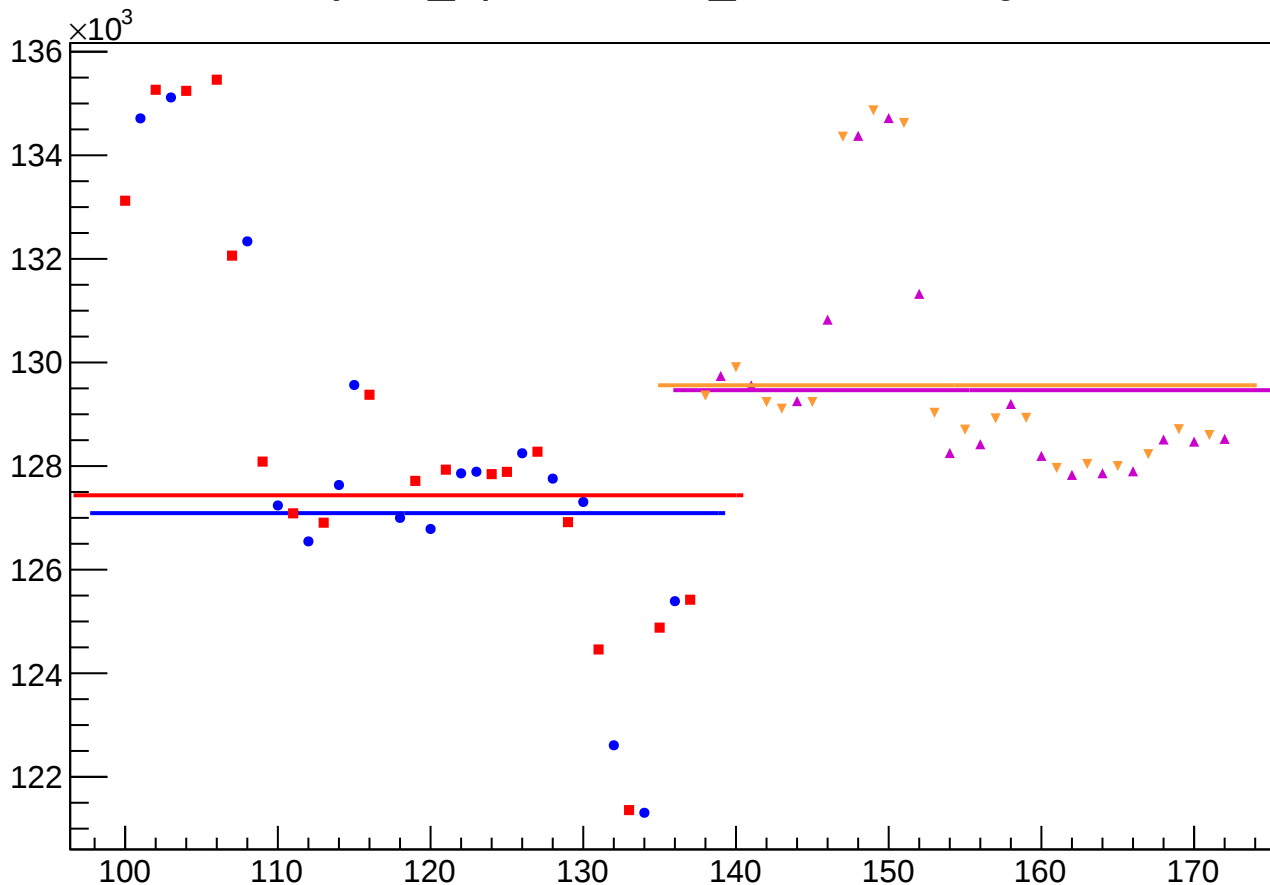
Left In: 188.635 ± 0.037 χ^2/NDF : 436813.0/16

+ sign 179.171 ± 0.029 χ^2/NDF : 1832125.4/34

All: 177.920 ± 0.021 χ^2/NDF : 3910183.7/70

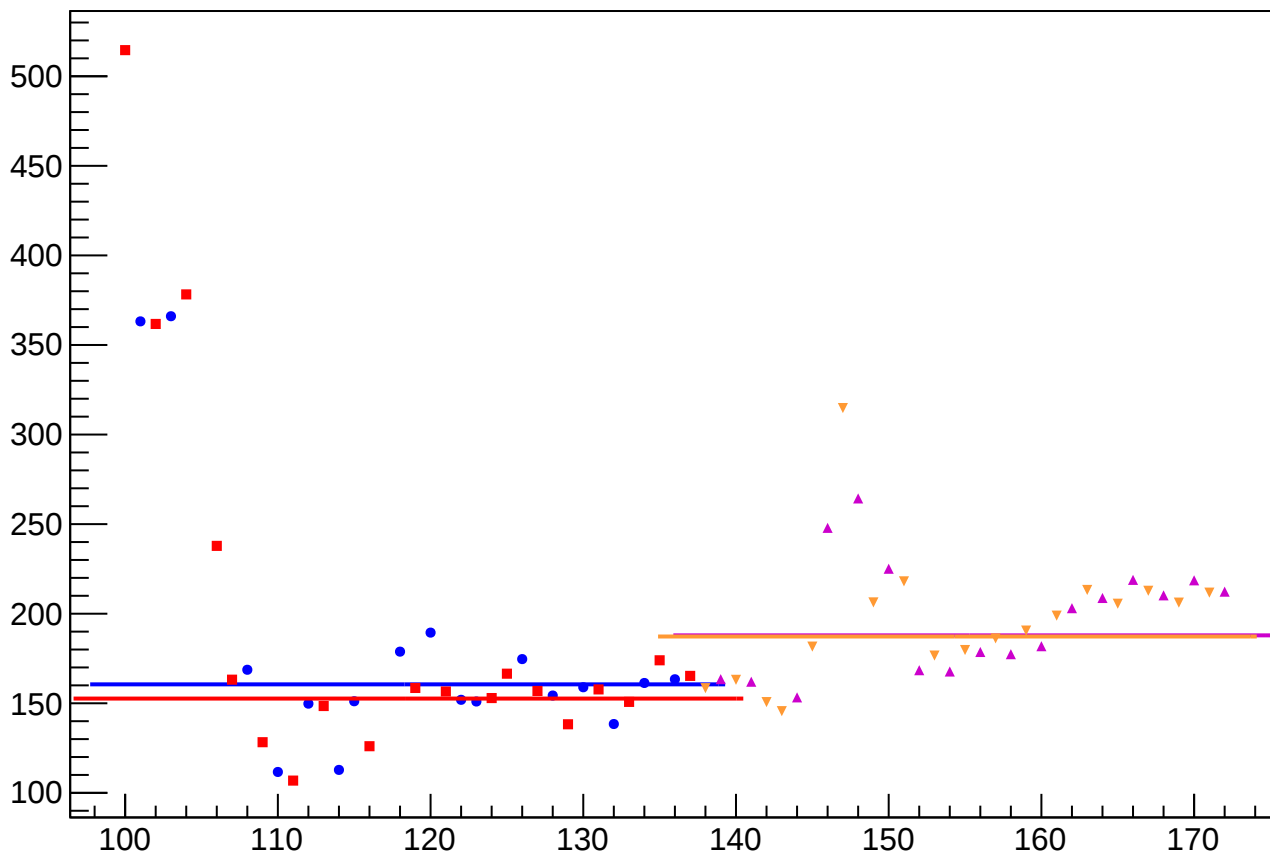
- sign 176.704 ± 0.029 χ^2/NDF : 2074461.9/35

yield_bpm0l05WS_mean vs Slug



Right In: 127091.500 $\pm$ 0.066 χ^2 /NDF: 1717208780.6/16
 Left Out: 129559.903 $\pm$ 0.052 χ^2 /NDF: 1352842305.0/17
 Right Out: 127436.101 $\pm$ 0.062 χ^2 /NDF: 2079075713.9/18
 Left In: 129465.297 $\pm$ 0.053 χ^2 /NDF: 1124609263.9/16
 + sign 128614.162 $\pm$ 0.041 χ^2 /NDF: 3925012569.3/17
 All: 128609.296 $\pm$ 0.029 χ^2 /NDF: 775474847.0/16
 - sign 128604.656 $\pm$ 0.040 χ^2 /NDF: 3829708446.6/16

yield_bpm0l05WS_rms vs Slug



Right In: 160.564 $\pm$ 0.047 χ^2 /NDF: 942747.0/16

Left Out: 187.271 $\pm$ 0.037 χ^2 /NDF: 636219.1/17

Right Out: 152.629 $\pm$ 0.044 χ^2 /NDF: 1086504.4/18

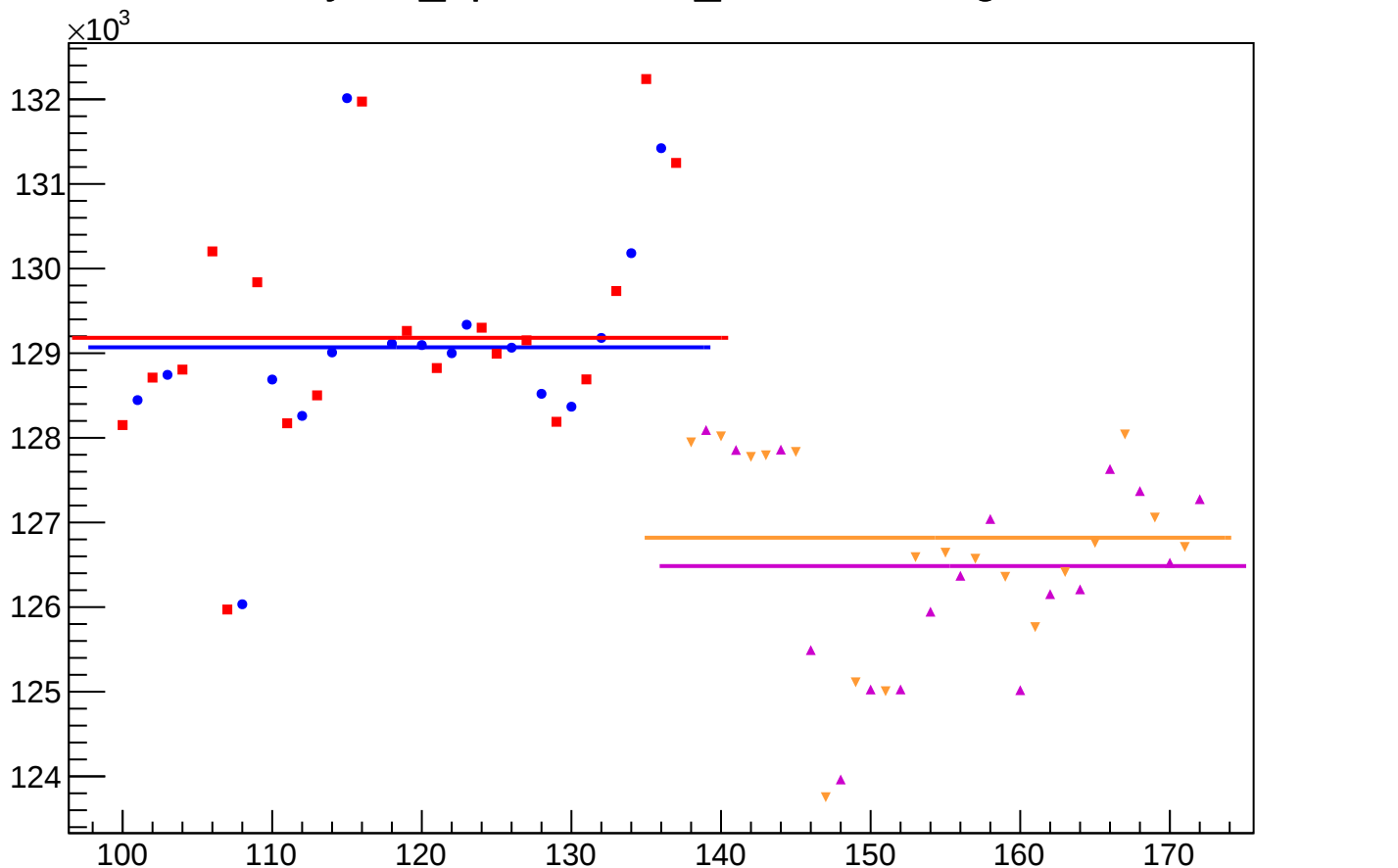
Left In: 187.913 $\pm$ 0.037 χ^2 /NDF: 594230.9/16

+ sign 177.039 $\pm$ 0.029 χ^2 /NDF: 1779140.0/34

All: 174.945 $\pm$ 0.020 χ^2 /NDF: 3848607.8/70

- sign 172.948 $\pm$ 0.028 χ^2 /NDF: 2059297.0/35

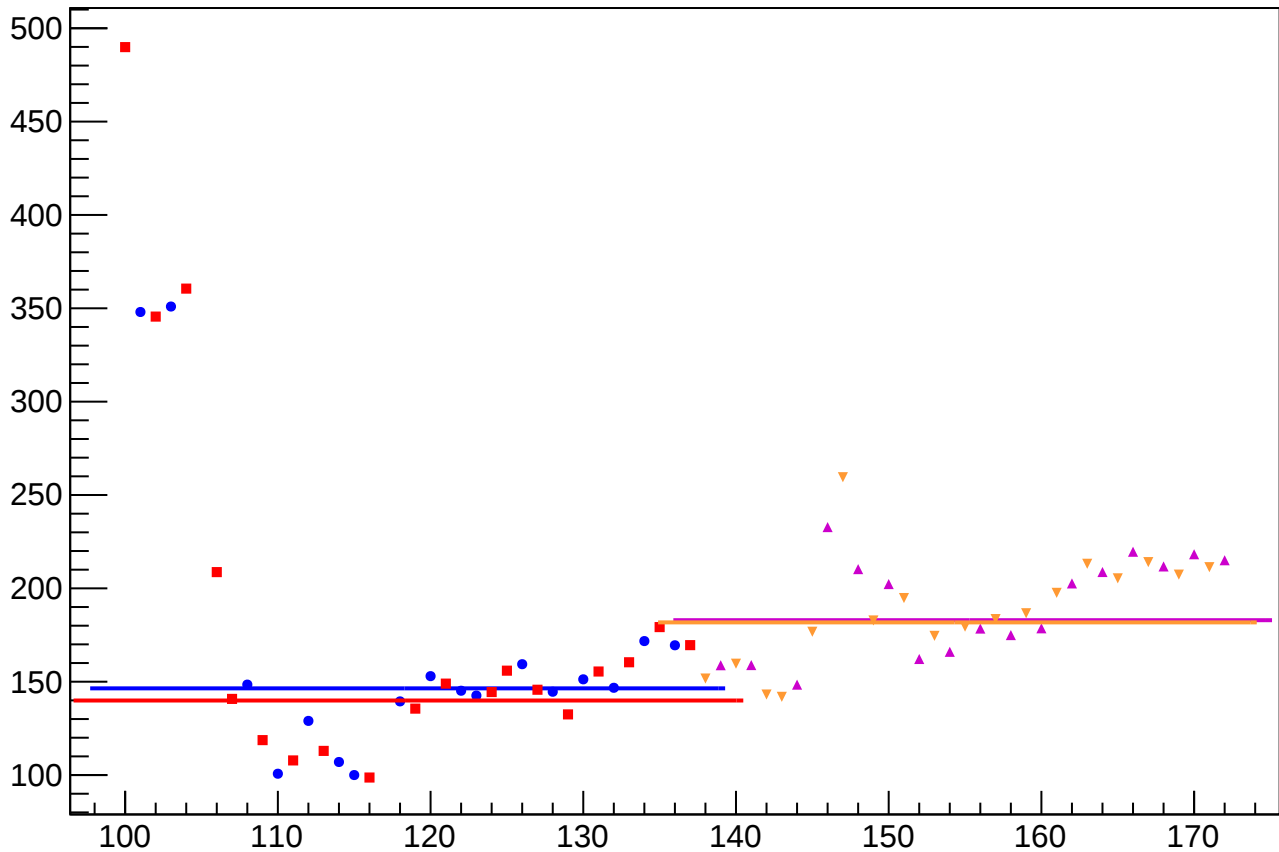
yield_bpm0l06WS_mean vs Slug



Right In: 129069.668 ± 0.060 $\chi^2/\text{NDF}: 476692316.5/16$
 Left Out: 126819.989 ± 0.051 $\chi^2/\text{NDF}: 462433091.3/17$
 Right Out: 129181.887 ± 0.056 $\chi^2/\text{NDF}: 625597399.6/18$
 Left In: 126485.088 ± 0.051 $\chi^2/\text{NDF}: 552329962.2/16$

+ sign 127750.495 ± 0.039 $\chi^2/\text{NDF}: 1758837721.1$
 All: 127731.251 ± 0.027 $\chi^2/\text{NDF}: 419643472$
 - sign 127712.844 ± 0.038 $\chi^2/\text{NDF}: 2437113172.9$

yield_bpm0l06WS_rms vs Slug



Right In: 146.437 $\pm$ 0.043 χ^2 /NDF: 1064791.0/16

Left Out: 181.775 $\pm$ 0.036 χ^2 /NDF: 548082.1/17

Right Out: 139.929 $\pm$ 0.040 χ^2 /NDF: 1203570.9/18

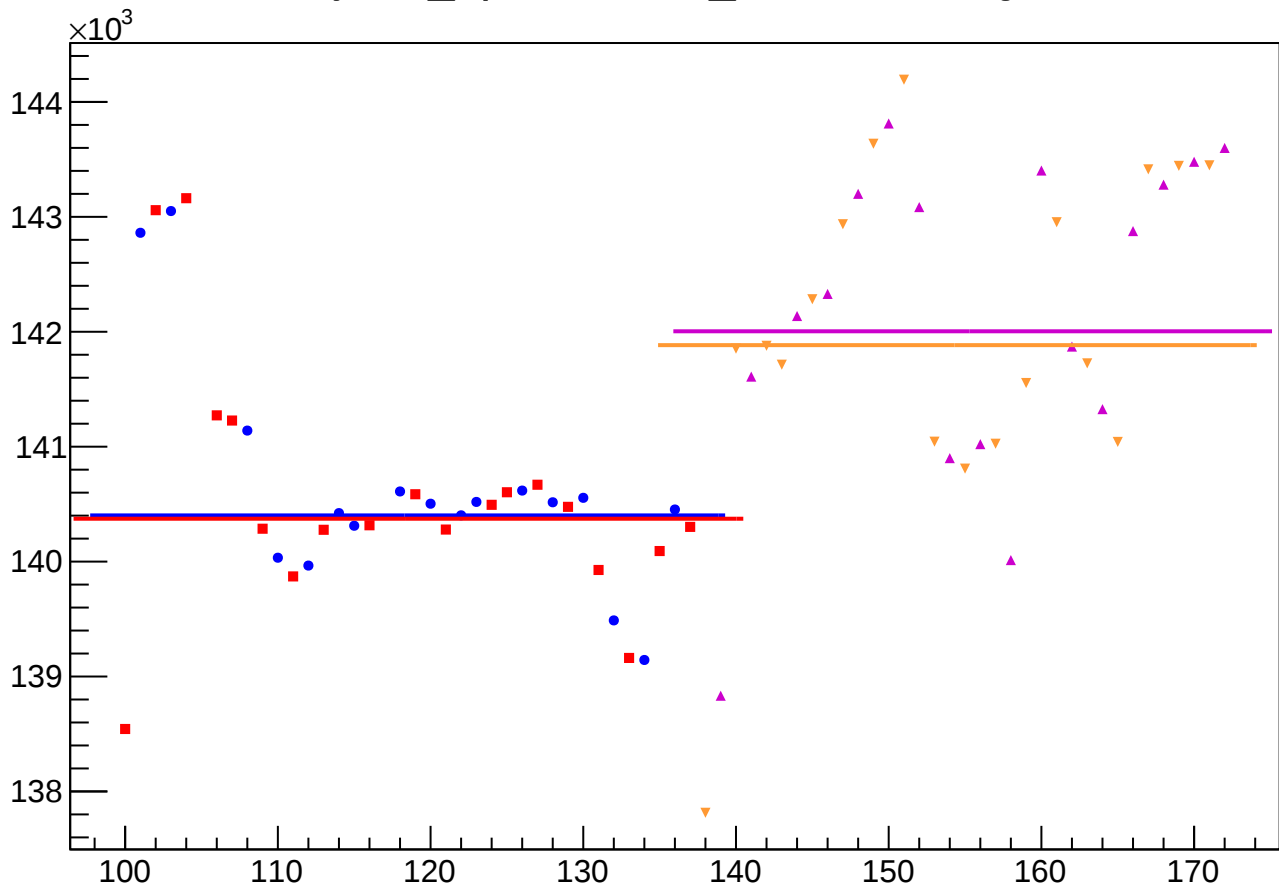
Left In: 182.945 $\pm$ 0.036 χ^2 /NDF: 489763.6/16

+ sign 167.159 $\pm$ 0.027 χ^2 /NDF: 2017376.9/34

All: 165.218 $\pm$ 0.019 χ^2 /NDF: 4361282.7/70

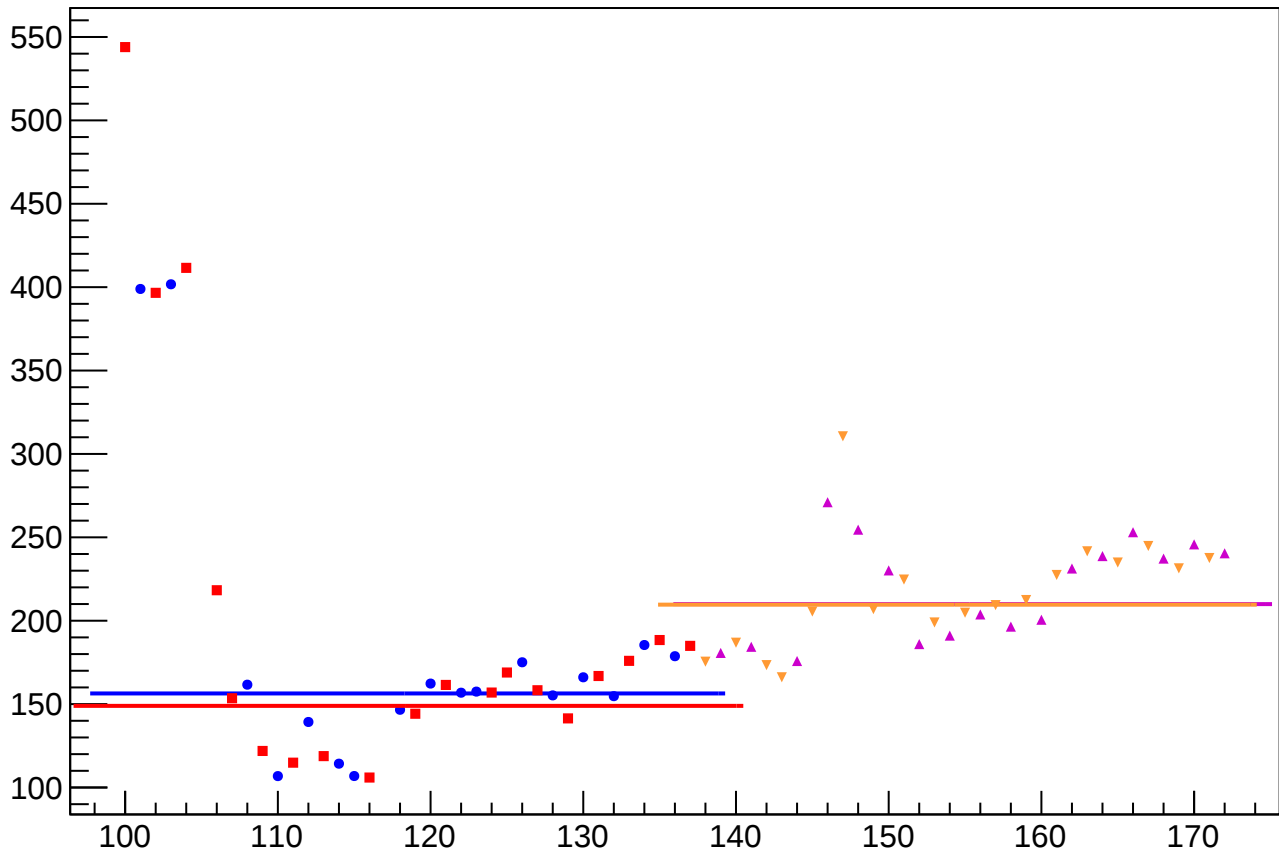
- sign 163.361 $\pm$ 0.027 χ^2 /NDF: 2334061.3/35

yield_bpm0l07WS_mean vs Slug



Right In: 140402.010+/-0.064	χ^2/NDF : 88071774.7/16	+ sign 141215.419+/-0.043	χ^2/NDF : 1083121389.7/17
Left Out: 141883.608+/-0.058	χ^2/NDF : 703996476.8/17	All: 141208.461+/-0.030	χ^2/NDF : 213215103.0/17
Right Out: 140373.163+/-0.060	χ^2/NDF : 99854533.3/18	- sign 141201.895+/-0.042	χ^2/NDF : 1048979242.9/17
Left In: 142004.138+/-0.059	χ^2/NDF : 571796066.4/16		

yield_bpm0l07WS_rms vs Slug



Right In: 156.394 $\pm$ 0.046 χ^2 /NDF: 1154804.2/16

Left Out: 209.638 $\pm$ 0.041 χ^2 /NDF: 494355.6/17

Right Out: 148.949 $\pm$ 0.042 χ^2 /NDF: 1307651.5/18

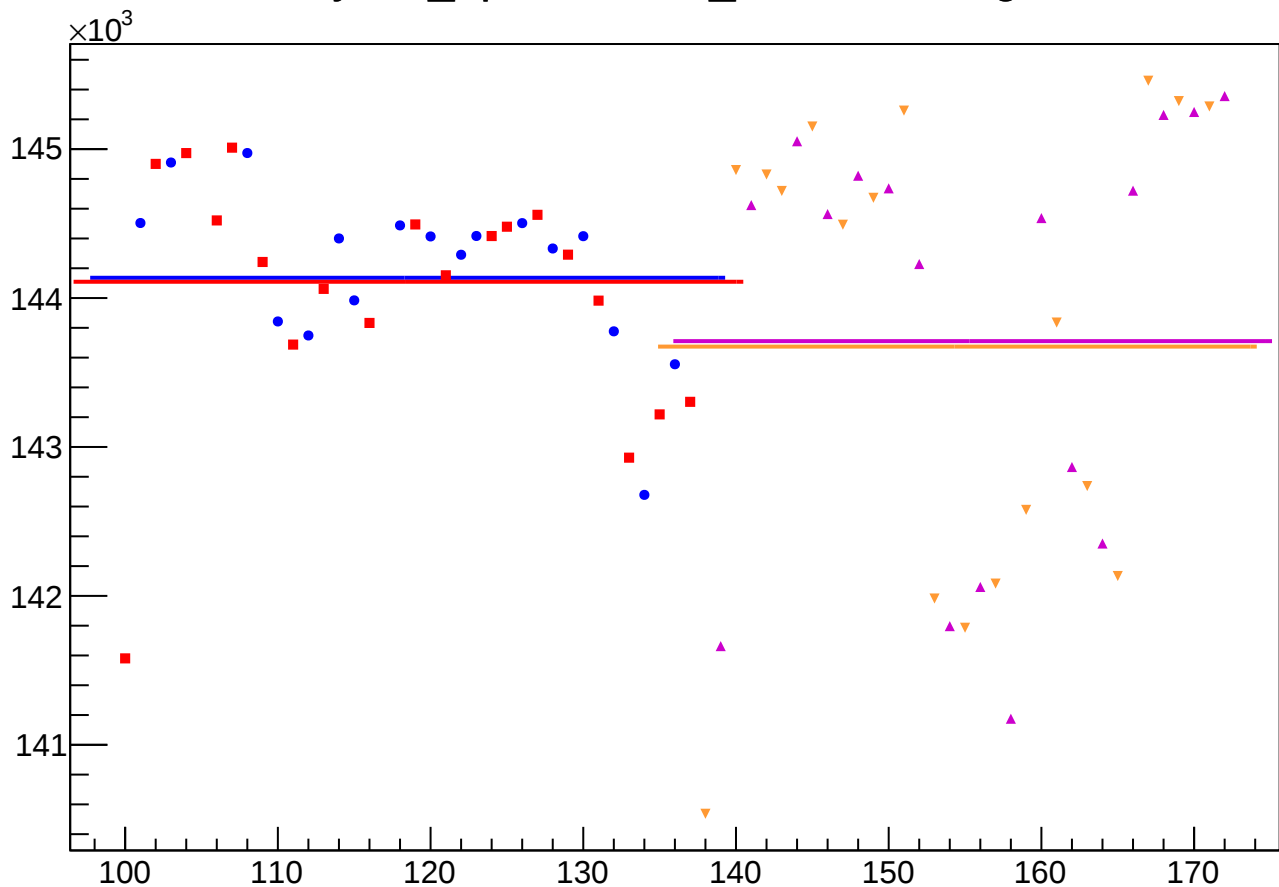
Left In: 209.964 $\pm$ 0.042 χ^2 /NDF: 465671.0/16

+ sign 185.625 $\pm$ 0.031 χ^2 /NDF: 2400941.3/34

All: 182.706 $\pm$ 0.021 χ^2 /NDF: 5248140.6/70

- sign 179.952 $\pm$ 0.030 χ^2 /NDF: 2829463.0/35

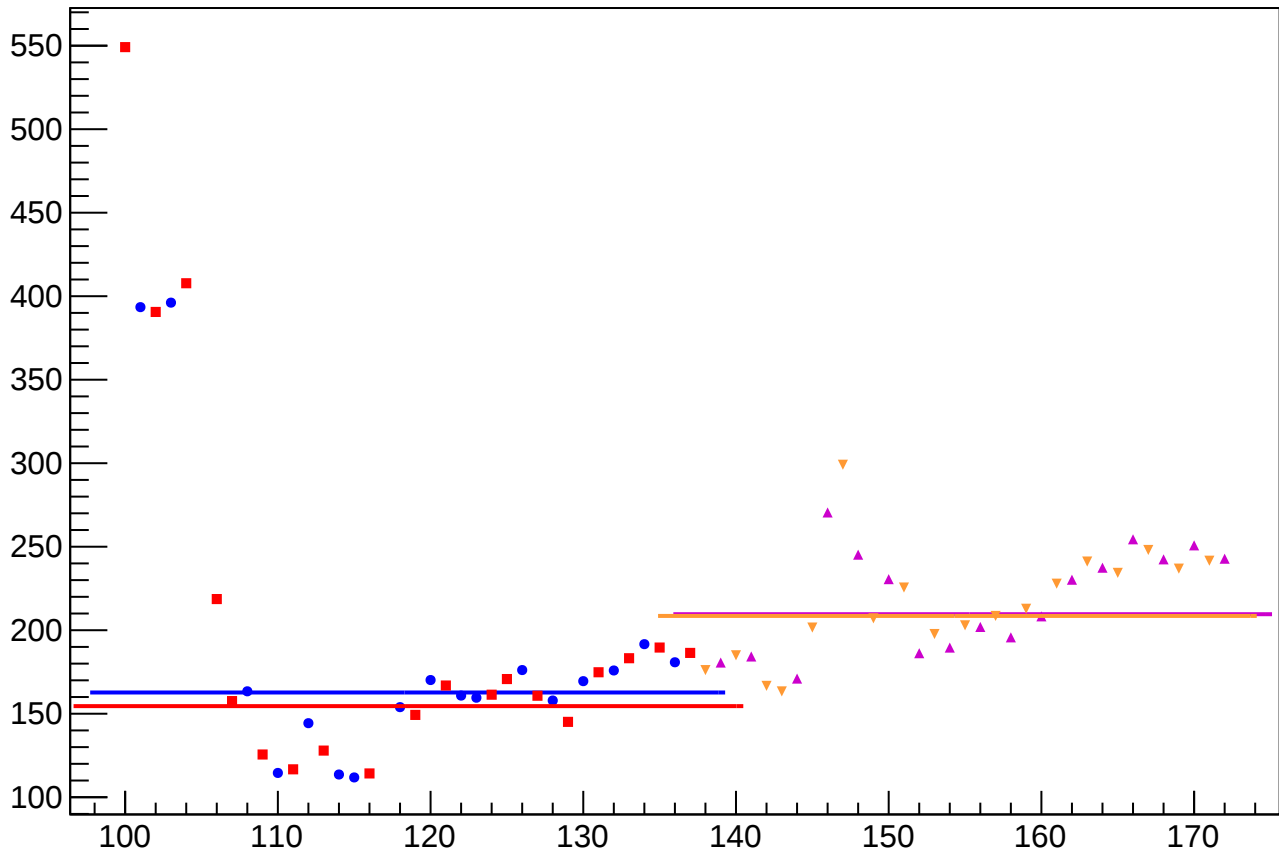
yield_bpm0l08WS_mean vs Slug



Right In: 144136.118 $\pm$ 0.067 χ^2 /NDF: 47069480.3/16
 Left Out: 143673.974 $\pm$ 0.058 χ^2 /NDF: 741025031.3/17
 Right Out: 144109.419 $\pm$ 0.062 χ^2 /NDF: 65258627.2/18
 Left In: 143710.705 $\pm$ 0.059 χ^2 /NDF: 621566418.4/16

+ sign 143872.814 $\pm$ 0.044 χ^2 /NDF: 815389248.1/3
 All: 143886.788 $\pm$ 0.031 χ^2 /NDF: 152422397
 - sign 143900.028 $\pm$ 0.043 χ^2 /NDF: 708636481.2/3

yield_bpm0l08WS_rms vs Slug



Right In: 162.714 $\pm$ 0.047 χ^2 /NDF: 1066482.0/16

Left Out: 208.558 $\pm$ 0.041 χ^2 /NDF: 526410.2/17

Right Out: 154.547 $\pm$ 0.044 χ^2 /NDF: 1217495.9/18

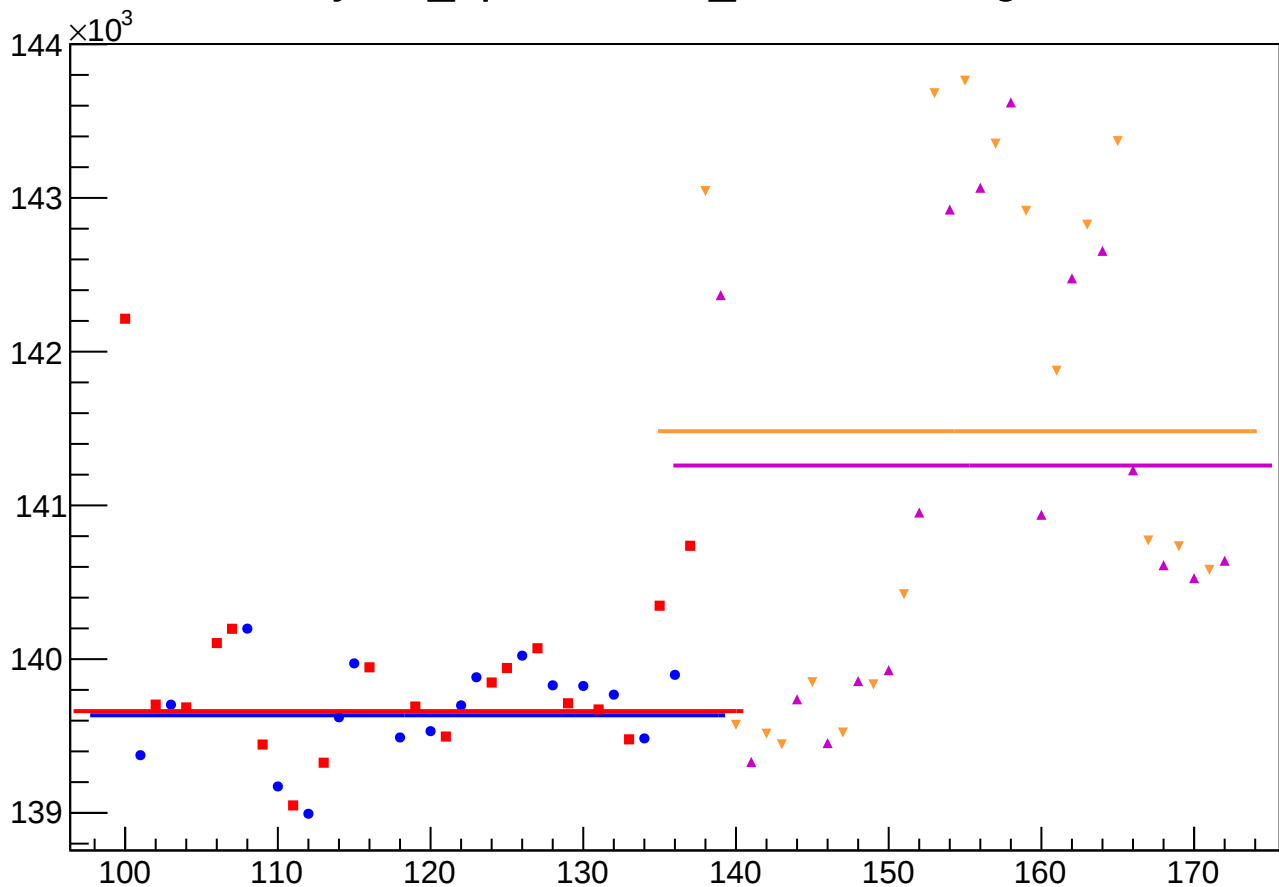
Left In: 209.586 $\pm$ 0.042 χ^2 /NDF: 492860.6/16

+ sign 188.833 $\pm$ 0.031 χ^2 /NDF: 2130070.4/34

All: 186.070 $\pm$ 0.022 χ^2 /NDF: 4687190.6/70

- sign 183.452 $\pm$ 0.030 χ^2 /NDF: 2541613.7/35

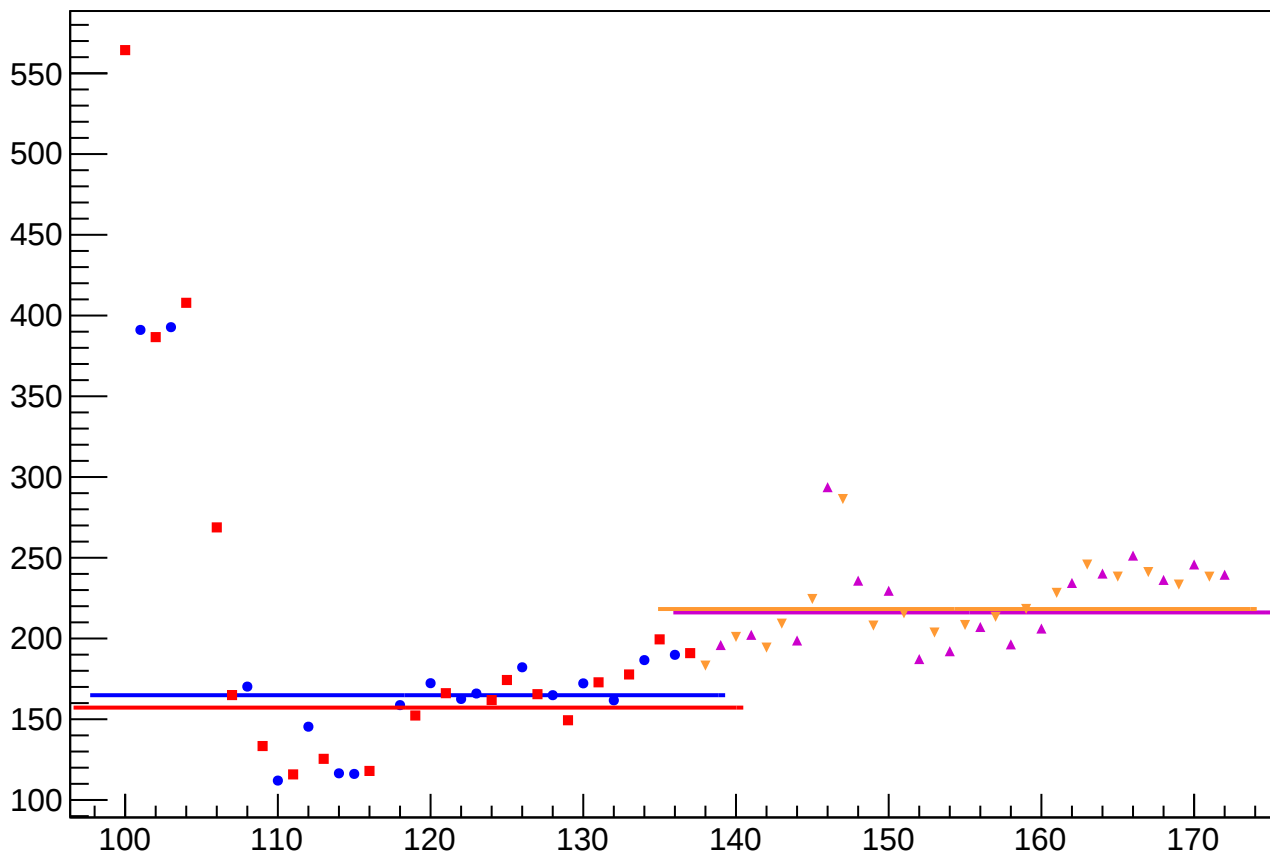
yield_bpm0l09WS_mean vs Slug



Right In: 139634.700 ± 0.068 $\chi^2/\text{NDF}: 24844912.0/16$
 Left Out: 141482.584 ± 0.060 $\chi^2/\text{NDF}: 730702623.4/17$
 Right Out: 139661.970 ± 0.063 $\chi^2/\text{NDF}: 38372985.0/18$
 Left In: 141259.354 ± 0.060 $\chi^2/\text{NDF}: 530444784.0/16$

+ sign 140665.645 ± 0.045 $\chi^2/\text{NDF}: 1170267842.6$
 All: 140576.845 ± 0.031 $\chi^2/\text{NDF}: 208090529$
 - sign 140493.546 ± 0.044 $\chi^2/\text{NDF}: 903112158.4/3$

yield_bpm0l09WS_rms vs Slug



Right In: 164.884 $\pm$ 0.048 χ^2 /NDF: 1066270.8/16

Left Out: 218.255 $\pm$ 0.043 χ^2 /NDF: 245310.2/17

Right Out: 157.207 $\pm$ 0.045 χ^2 /NDF: 1245030.9/18

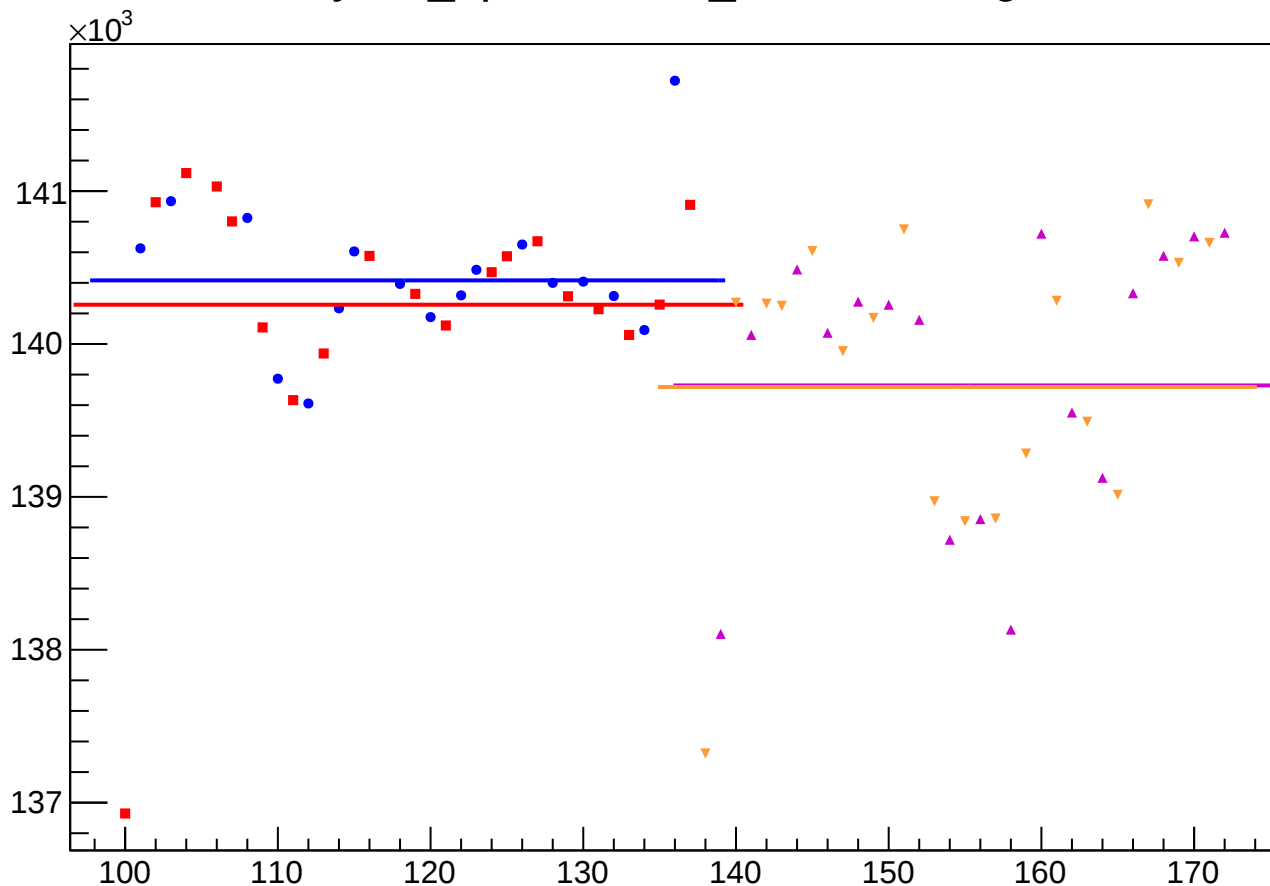
Left In: 216.135 $\pm$ 0.043 χ^2 /NDF: 337749.8/16

+ sign 194.660 $\pm$ 0.032 χ^2 /NDF: 2003484.3/34

All: 191.164 $\pm$ 0.022 χ^2 /NDF: 4519475.8/70

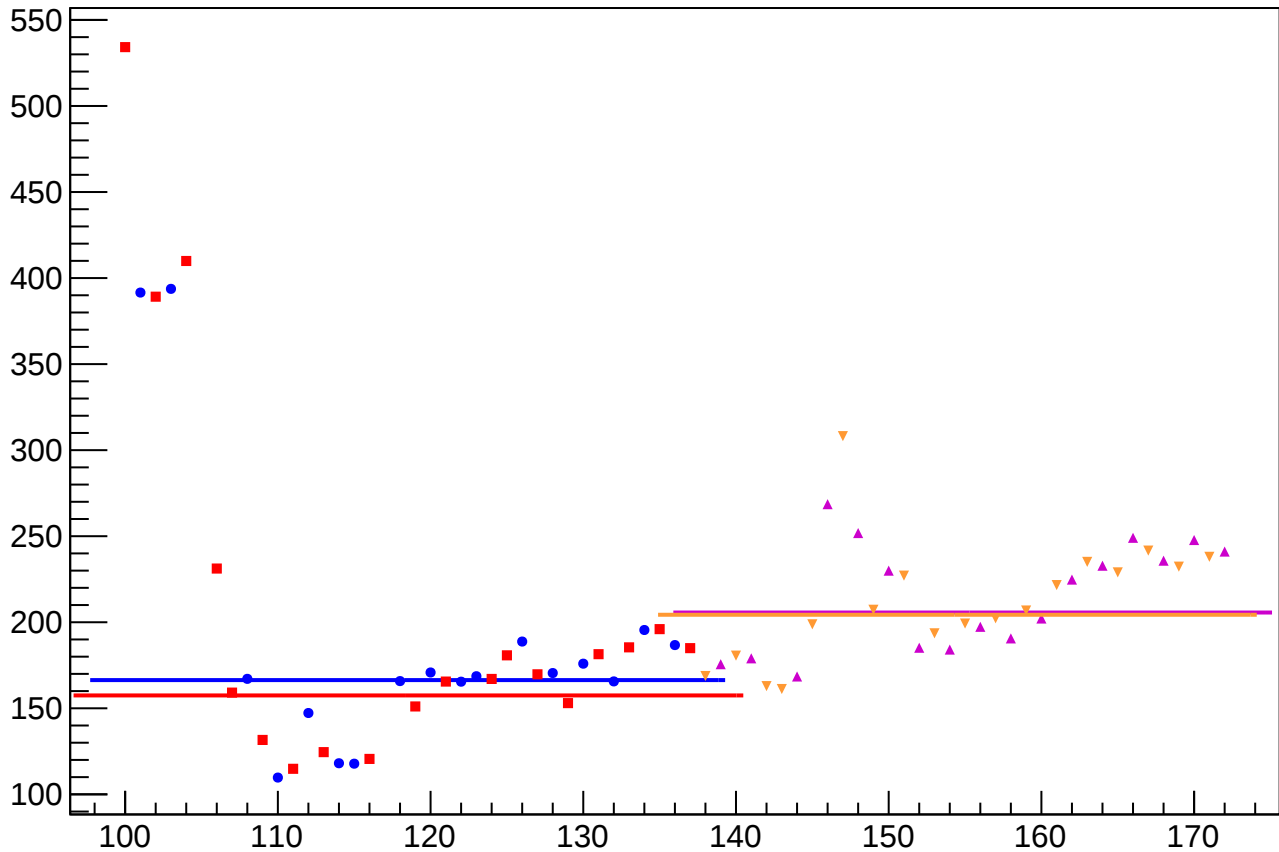
- sign 187.884 $\pm$ 0.031 χ^2 /NDF: 2492660.8/35

yield_bpm0l10WS_mean vs Slug



Right In: 140416.064 $\pm$ 0.068	χ^2 /NDF: 69975821.3/16	+ sign 140003.556 $\pm$ 0.044	χ^2 /NDF: 424455711.4/3
Left Out: 139718.522 $\pm$ 0.057	χ^2 /NDF: 292966911.0/17	All: 139985.995 $\pm$ 0.031	χ^2 /NDF: 751016028
Right Out: 140256.992 $\pm$ 0.063	χ^2 /NDF: 38063371.4/18	- sign 139969.318 $\pm$ 0.043	χ^2 /NDF: 326245751.6/3
Left In: 139728.921 $\pm$ 0.058	χ^2 /NDF: 250081515.5/16		

yield_bpm0l10WS_rms vs Slug



Right In: 166.388 $\pm$ 0.048 χ^2 /NDF: 1080964.8/16

Left Out: 204.353 $\pm$ 0.040 χ^2 /NDF: 574952.2/17

Right Out: 157.475 $\pm$ 0.045 χ^2 /NDF: 1229886.8/18

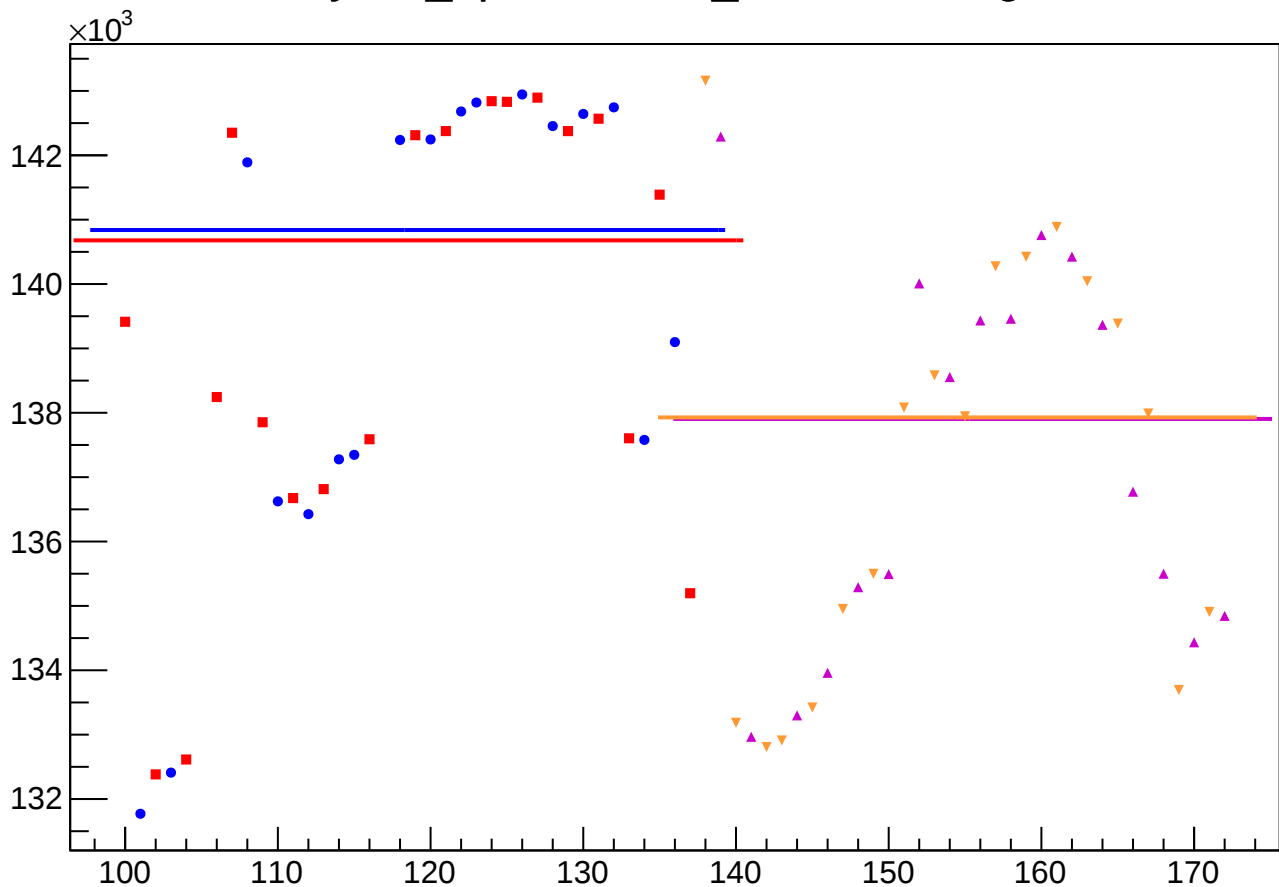
Left In: 205.653 $\pm$ 0.041 χ^2 /NDF: 534302.6/16

+ sign 188.840 $\pm$ 0.031 χ^2 /NDF: 2020368.5/34

All: 186.214 $\pm$ 0.022 χ^2 /NDF: 4432903.3/70

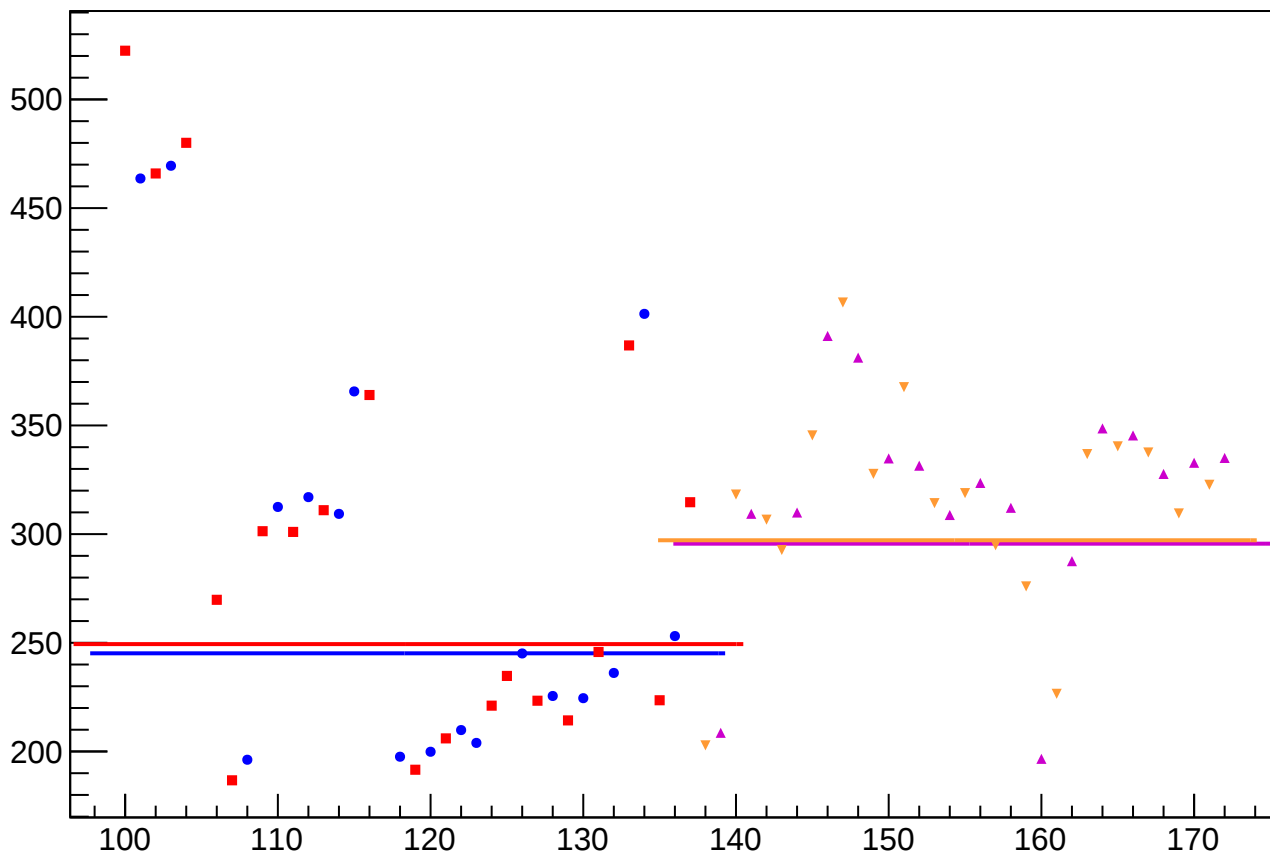
- sign 183.721 $\pm$ 0.030 χ^2 /NDF: 2398472.6/35

yield_bpm0r03WS_mean vs Slug



Right In: 140839.133 $\pm$ 0.100	χ^2 /NDF: 822682996.3/16	+ sign 139123.776 $\pm$ 0.064	χ^2 /NDF: 2956950555.0
Left Out: 137928.017 $\pm$ 0.084	χ^2 /NDF: 1635024241.5/17	All: 139095.823 $\pm$ 0.045	χ^2 /NDF: 558529719
Right Out: 140678.513 $\pm$ 0.099	χ^2 /NDF: 840695274.4/18	- sign 139067.802 $\pm$ 0.064	χ^2 /NDF: 2627965800.6/16
Left In: 137904.494 $\pm$ 0.084	χ^2 /NDF: 1332308099.6/16		

yield_bpm0r03WS_rms vs Slug



Right In: 245.159 ± 0.071 χ^2/NDF : 869491.6/16

Left Out: 297.170 ± 0.059 χ^2/NDF : 770959.7/17

Right Out: 249.397 ± 0.070 χ^2/NDF : 1009731.2/18

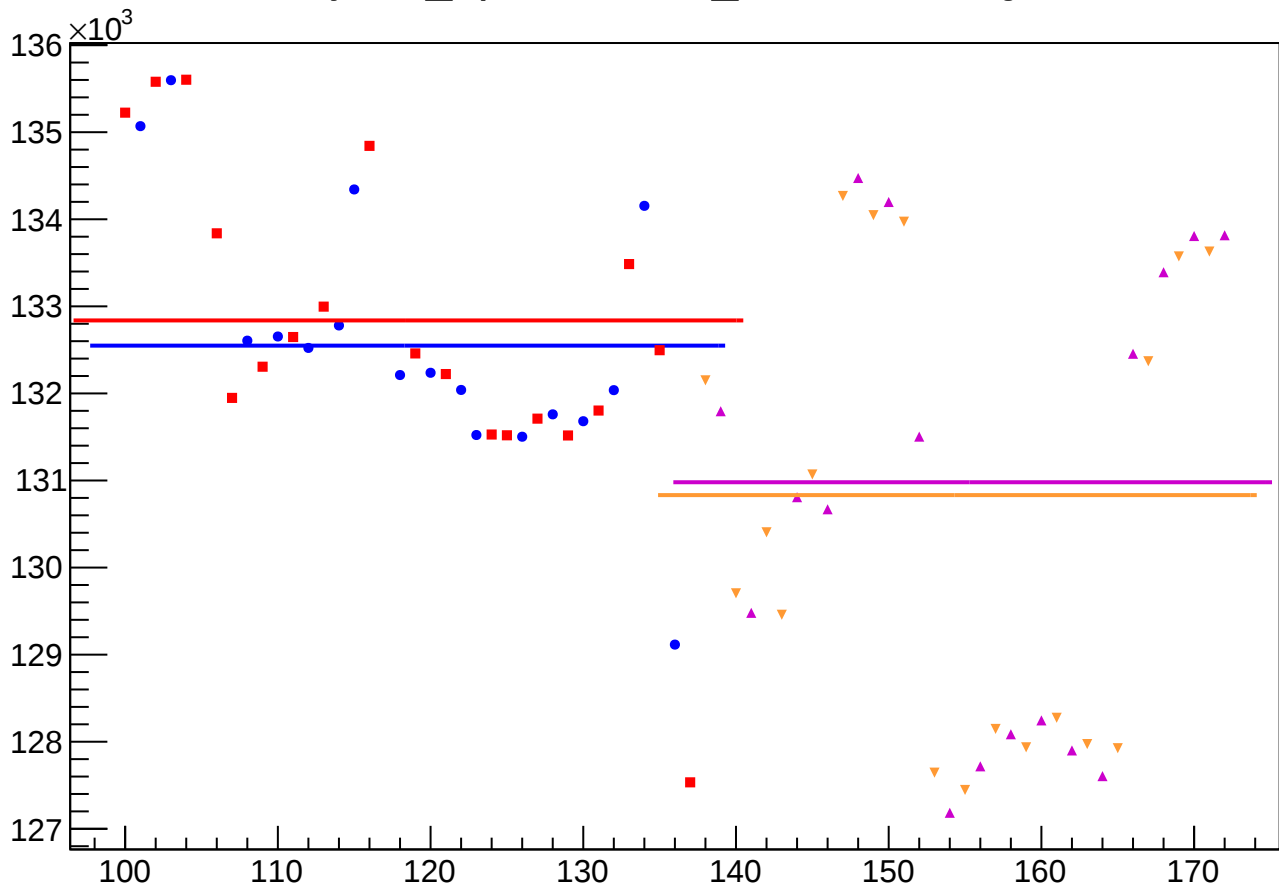
Left In: 295.602 ± 0.060 χ^2/NDF : 966131.0/16

+ sign 275.806 ± 0.045 χ^2/NDF : 1959179.2/34

All: 276.016 ± 0.032 χ^2/NDF : 4187530.7/70

- sign 276.226 ± 0.045 χ^2/NDF : 2228308.8/35

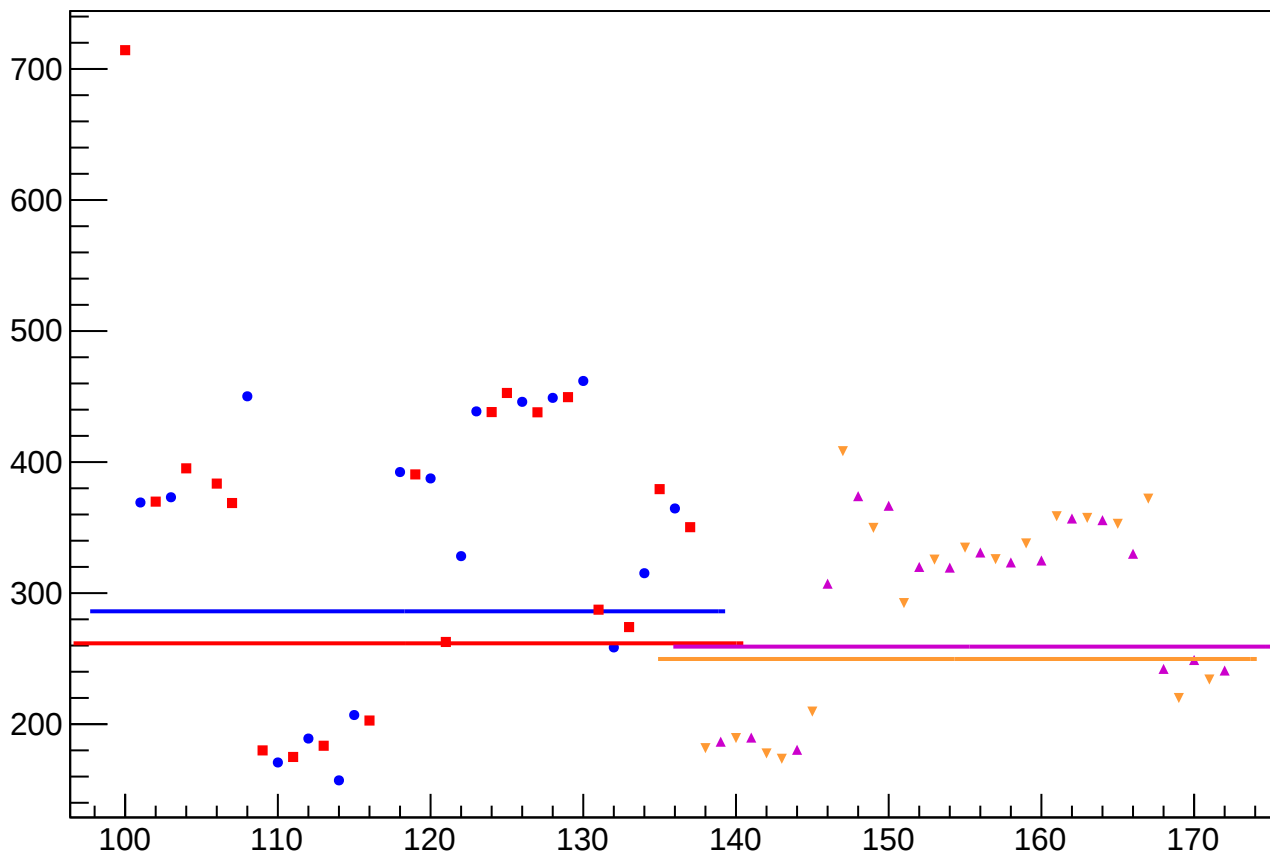
yield_bpm0r05WS_mean vs Slug



Right In: 132548.888 ± 0.119 $\chi^2/\text{NDF}: 161115079.9/16$
 Left Out: 130832.265 ± 0.072 $\chi^2/\text{NDF}: 953004478.9/17$
 Right Out: 132838.294 ± 0.107 $\chi^2/\text{NDF}: 149611447.6/18$
 Left In: 130979.986 ± 0.075 $\chi^2/\text{NDF}: 913828318.2/16$

+ sign 131289.397 ± 0.062 $\chi^2/\text{NDF}: 1265849096.2/19$
 All: 131439.411 ± 0.043 $\chi^2/\text{NDF}: 254368703.1/20$
 - sign 131587.708 ± 0.061 $\chi^2/\text{NDF}: 1266044693.5/21$

yield_bpm0r05WS_rms vs Slug



Right In: 286.122 $\pm$ 0.084 χ^2 /NDF: 1525266.4/16

Left Out: 249.735 $\pm$ 0.051 χ^2 /NDF: 2138276.6/17

Right Out: 261.686 $\pm$ 0.076 χ^2 /NDF: 1623174.1/18

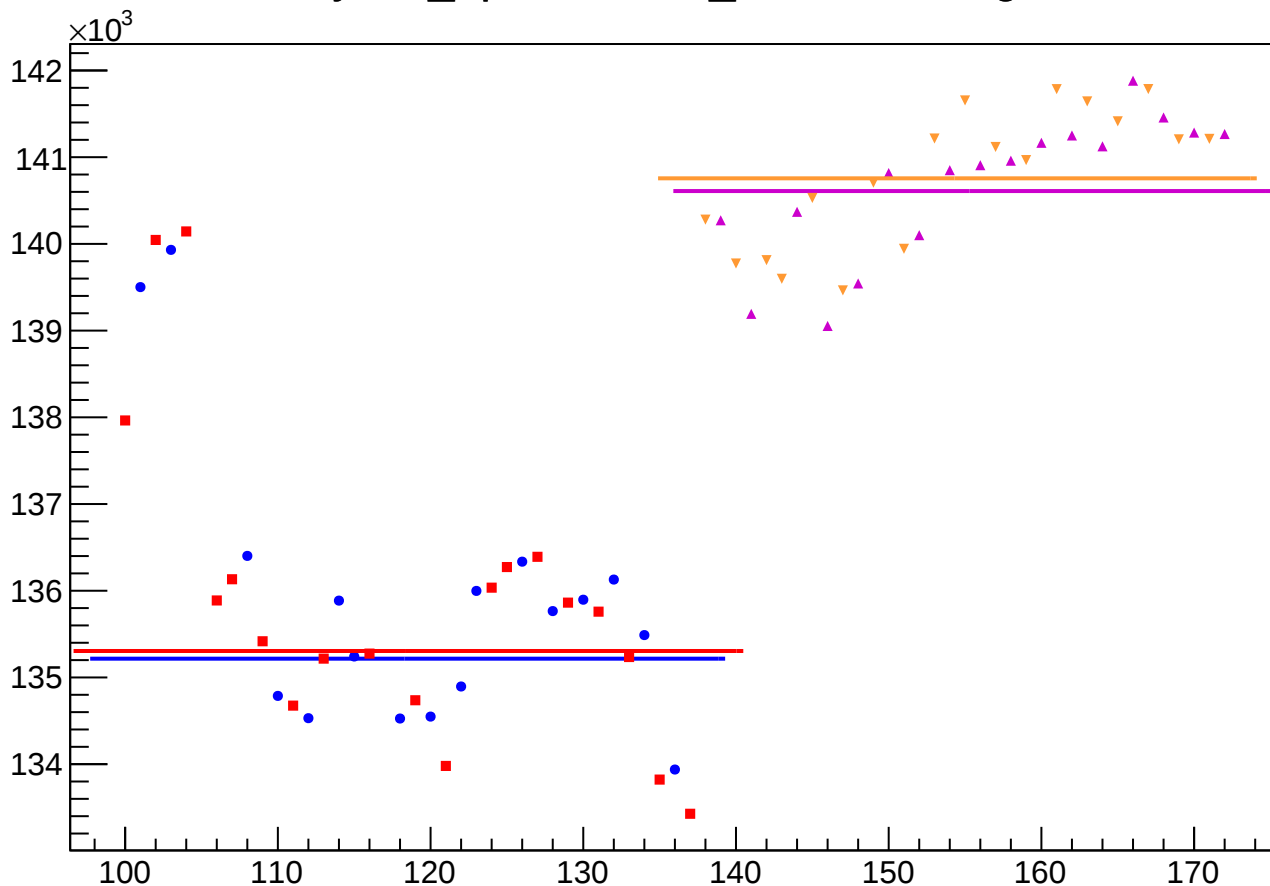
Left In: 259.167 $\pm$ 0.053 χ^2 /NDF: 1656436.6/16

+ sign 259.425 $\pm$ 0.044 χ^2 /NDF: 3799887.5/34

All: 259.710 $\pm$ 0.031 χ^2 /NDF: 7080327.8/70

- sign 259.991 $\pm$ 0.043 χ^2 /NDF: 3280355.4/35

yield_bpm0i02WS_mean vs Slug



Right In: 135216.588 $\pm$ 0.054 χ^2 /NDF: 371347707.3/16

Left Out: 140756.178 $\pm$ 0.053 χ^2 /NDF: 201363151.5/17

Right Out: 135305.135 $\pm$ 0.051 χ^2 /NDF: 357636841.6/18

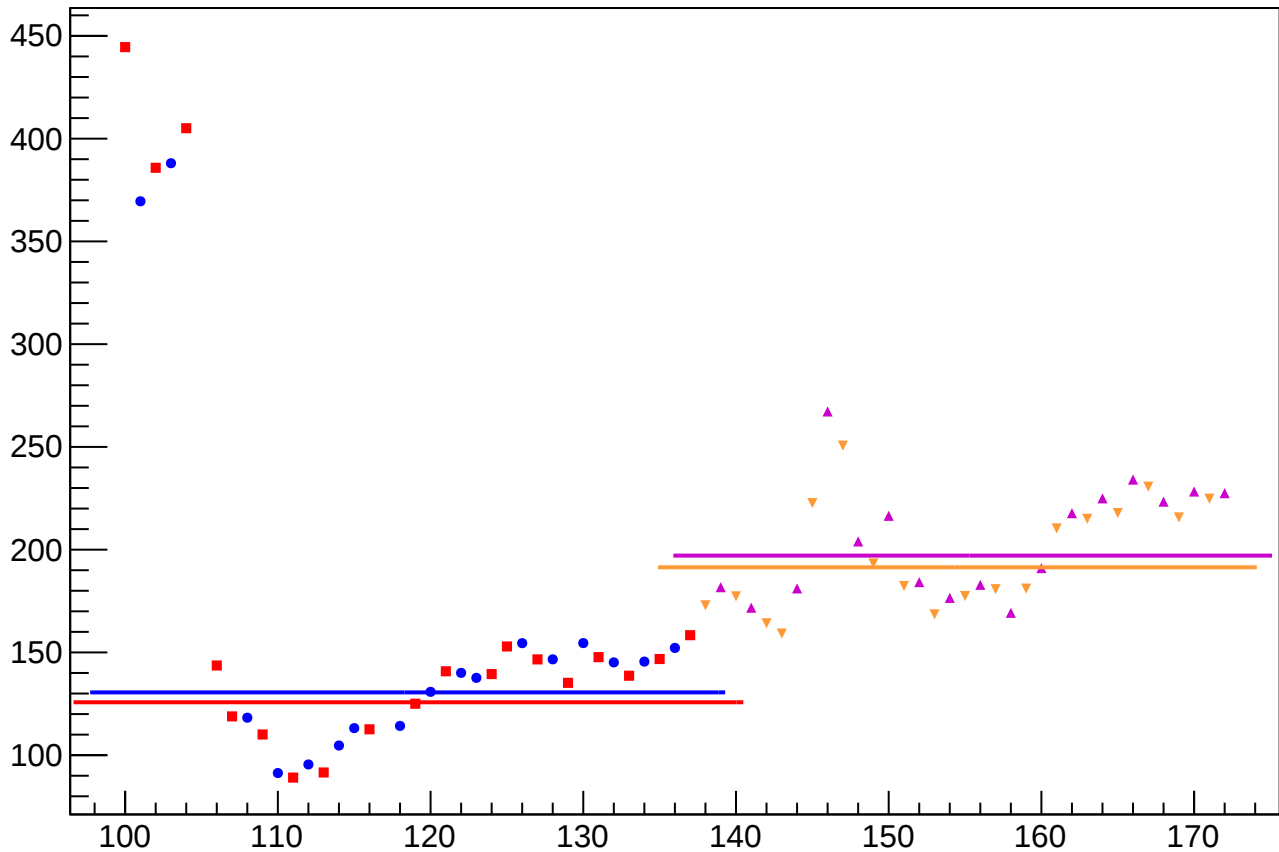
Left In: 140609.422 $\pm$ 0.055 χ^2 /NDF: 178447776.4/16

+ sign 138046.640 $\pm$ 0.038 χ^2 /NDF: 5878822540.4

All: 137897.528 $\pm$ 0.027 χ^2 /NDF: 114080057

- sign 137752.160 $\pm$ 0.038 χ^2 /NDF: 5498798532.6

yield_bpm0i02WS_rms vs Slug



Right In: 130.552 $\pm$ 0.038 χ^2 /NDF: 1373104.9/16

Left Out: 191.421 $\pm$ 0.038 χ^2 /NDF: 414455.6/17

Right Out: 125.746 $\pm$ 0.036 χ^2 /NDF: 1440002.5/18

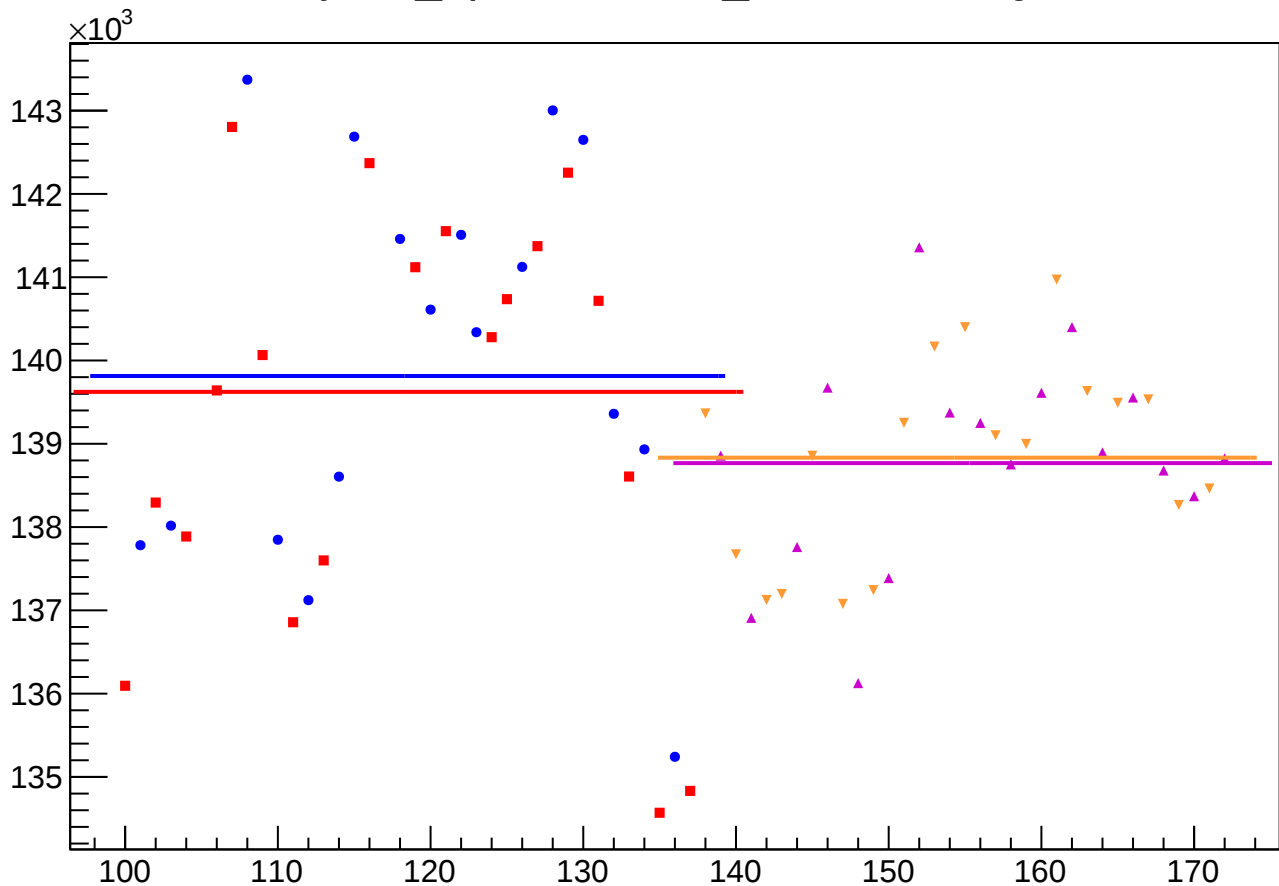
Left In: 197.115 $\pm$ 0.039 χ^2 /NDF: 398069.9/16

+ sign 161.649 $\pm$ 0.027 χ^2 /NDF: 3068870.5/34

All: 160.141 $\pm$ 0.019 χ^2 /NDF: 6710046.4/70

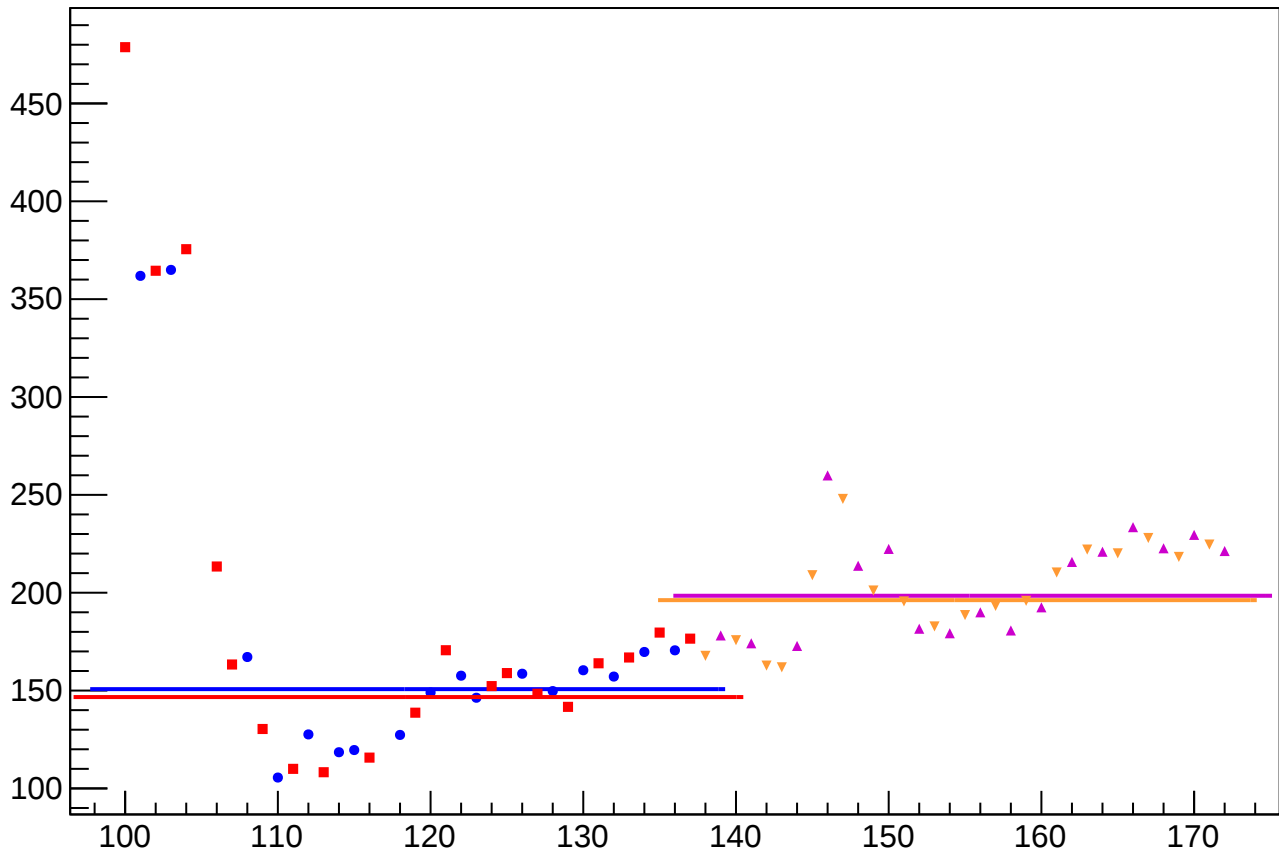
- sign 158.670 $\pm$ 0.027 χ^2 /NDF: 3634960.9/35

yield_bpm0i02aWS_mean vs Slug



Right In: 139813.664 $\pm$ 0.062 χ^2 /NDF: 1689865533.6/16
 Left Out: 138833.161 $\pm$ 0.055 χ^2 /NDF: 448725453.2/17
 Right Out: 139623.387 $\pm$ 0.059 χ^2 /NDF: 1505731109.1/18
 Left In: 138767.834 $\pm$ 0.056 χ^2 /NDF: 526606610.6/16
 All: 139215.627 $\pm$ 0.029 χ^2 /NDF: 442580533.6/17
 + sign 139261.764 $\pm$ 0.041 χ^2 /NDF: 2279719079.3/17
 - sign 139170.500 $\pm$ 0.040 χ^2 /NDF: 2143574105.1/17

yield_bpm0i02aWS_rms vs Slug



Right In: 150.733+/-0.044 χ^2/NDF : 1050071.6/16

Left Out: 196.201+/-0.039 χ^2/NDF : 351061.0/17

Right Out: 146.686+/-0.042 χ^2/NDF : 1203106.6/18

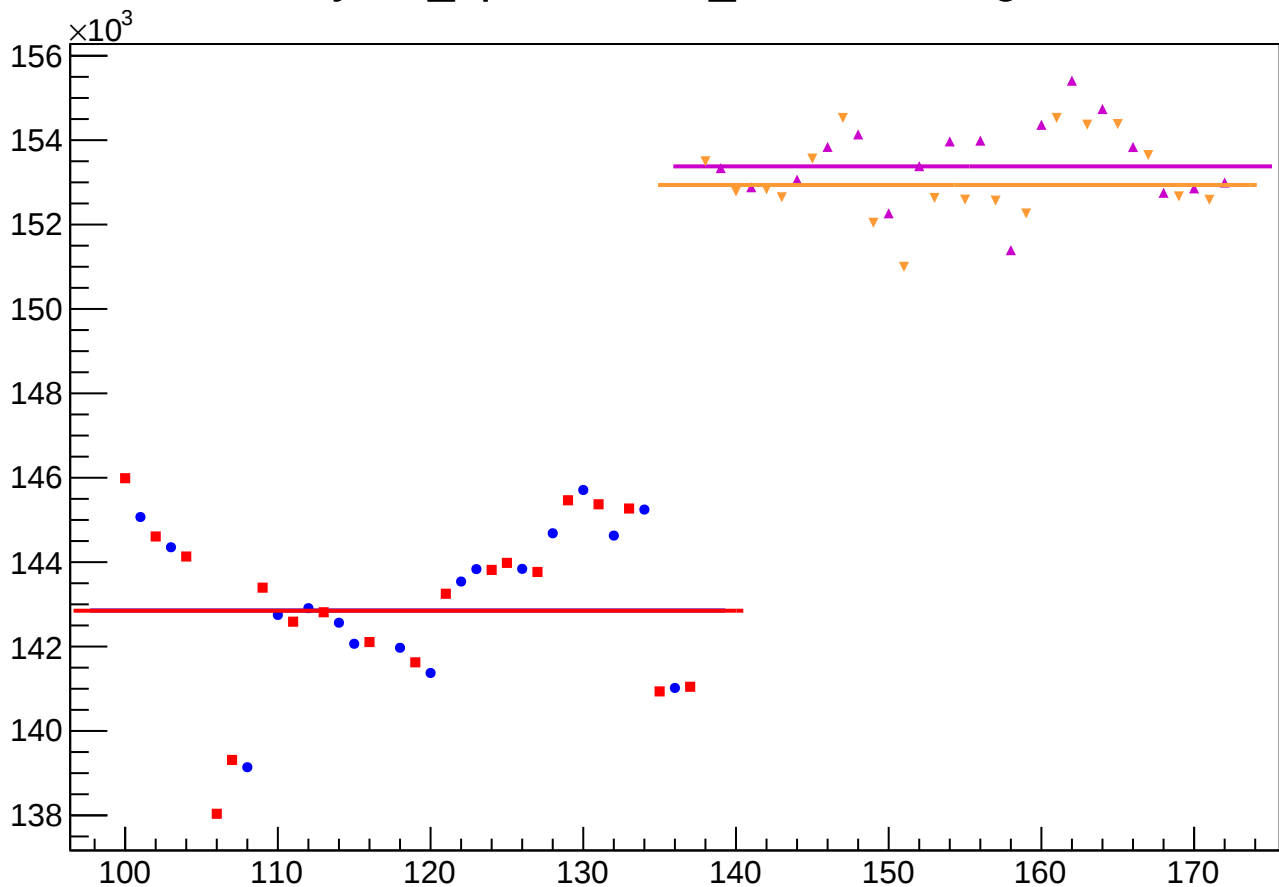
Left In: 198.449+/-0.039 χ^2/NDF : 362562.3/16

+ sign 176.326+/-0.029 χ^2/NDF : 2008101.2/34

All: 175.194+/-0.020 χ^2/NDF : 4391166.3/70

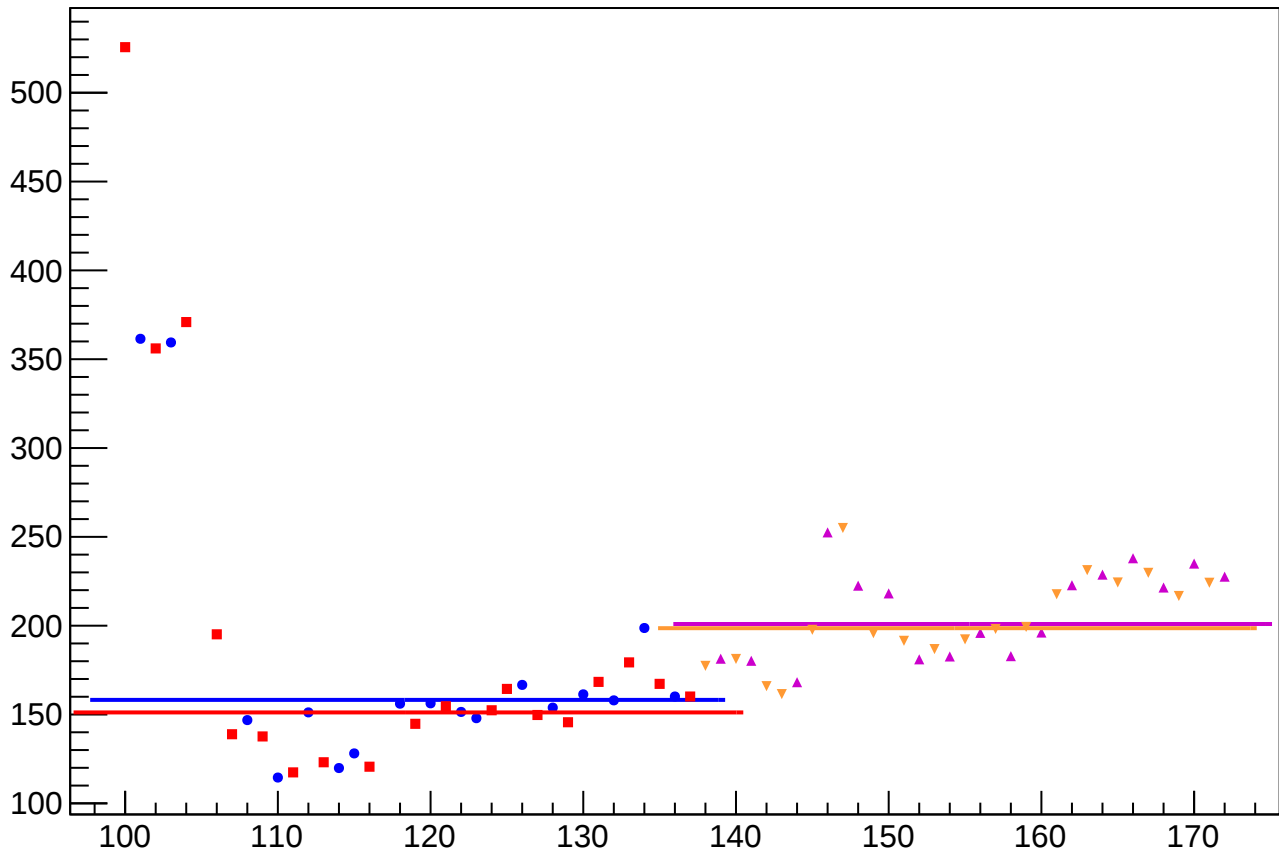
- sign 174.086+/-0.029 χ^2/NDF : 2380039.6/35

yield_bpm0i05WS_mean vs Slug



Right In: 142854.268 $\pm$ 0.065	χ^2 /NDF: 740367386.5/16	+ sign 148692.038 $\pm$ 0.042	χ^2 /NDF: 15081989119.
Left Out: 152938.206 $\pm$ 0.055	χ^2 /NDF: 262601968.6/17	All: 148585.915 $\pm$ 0.029	χ^2 /NDF: 324814583.
Right Out: 142849.362 $\pm$ 0.060	χ^2 /NDF: 850066807.5/18	- sign 148483.699 $\pm$ 0.041	χ^2 /NDF: 17386911393.4
Left In: 153378.982 $\pm$ 0.056	χ^2 /NDF: 272399302.5/16		

yield_bpm0i05WS_rms vs Slug



Right In: 158.233 ± 0.046 χ^2/NDF : 883513.4/16

Left Out: 198.591 ± 0.039 χ^2/NDF : 336605.7/17

Right Out: 151.174 ± 0.043 χ^2/NDF : 1003301.6/18

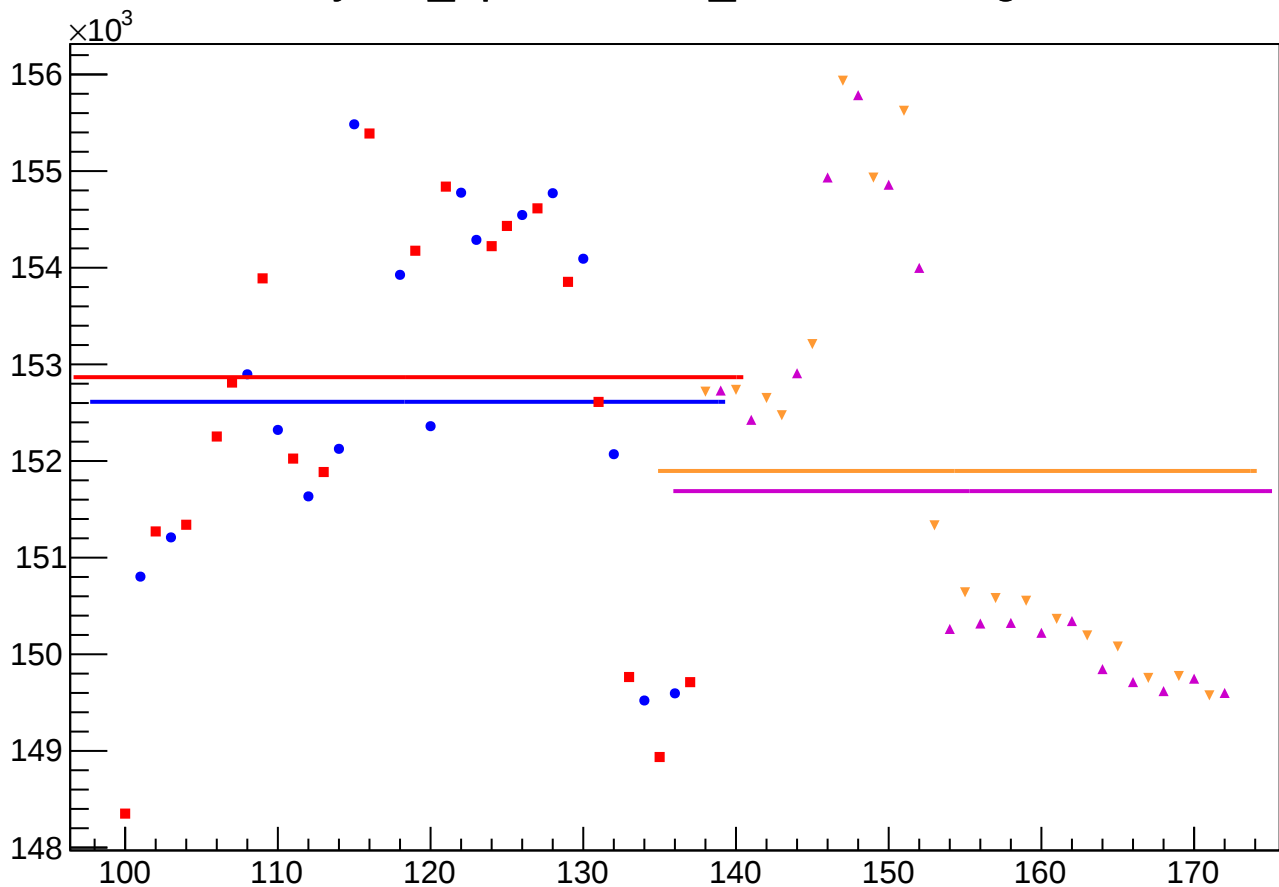
Left In: 200.950 ± 0.040 χ^2/NDF : 370120.9/16

+ sign 181.597 ± 0.030 χ^2/NDF : 1671160.3/34

All: 179.667 ± 0.021 χ^2/NDF : 3779797.5/70

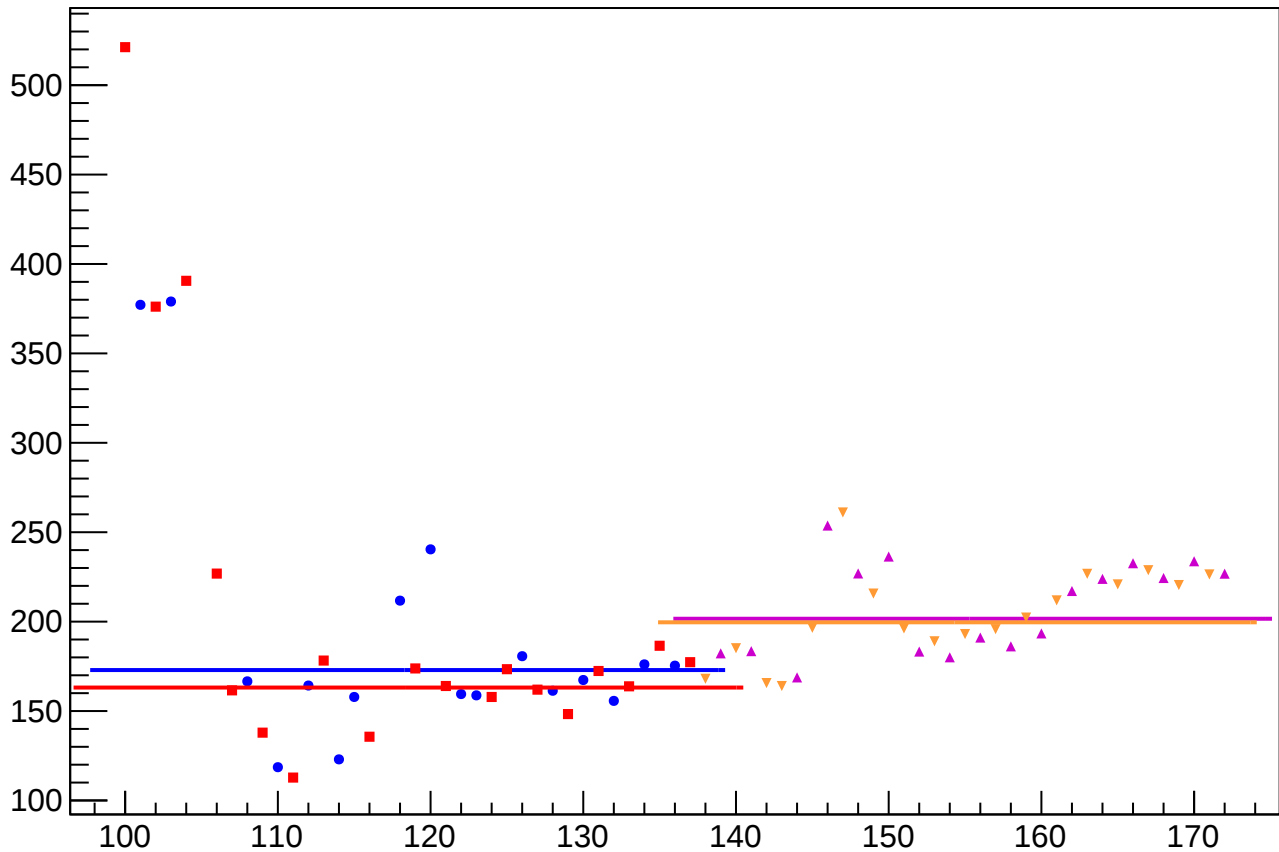
- sign 177.809 ± 0.029 χ^2/NDF : 2100334.0/35

yield_bpm0i07WS_mean vs Slug



Right In: 152612.586 $\pm$ 0.072	χ^2 /NDF: 621416187.4/16	+ sign 152161.389 $\pm$ 0.044	χ^2 /NDF: 1852095991.4
Left Out: 151897.063 $\pm$ 0.055	χ^2 /NDF: 1168688848.6/17	All: 152172.816 $\pm$ 0.031	χ^2 /NDF: 397300898
Right Out: 152867.453 $\pm$ 0.066	χ^2 /NDF: 719075986.4/18	- sign 152183.757 $\pm$ 0.043	χ^2 /NDF: 2120780130.3/19
Left In: 151688.498 $\pm$ 0.056	χ^2 /NDF: 1217868306.7/16		

yield_bpm0i07WS_rms vs Slug



Right In: 172.921 $\pm$ 0.051 χ^2 /NDF: 941954.0/16

Left Out: 199.620 $\pm$ 0.039 χ^2 /NDF: 357774.2/17

Right Out: 163.138 $\pm$ 0.047 χ^2 /NDF: 1033751.2/18

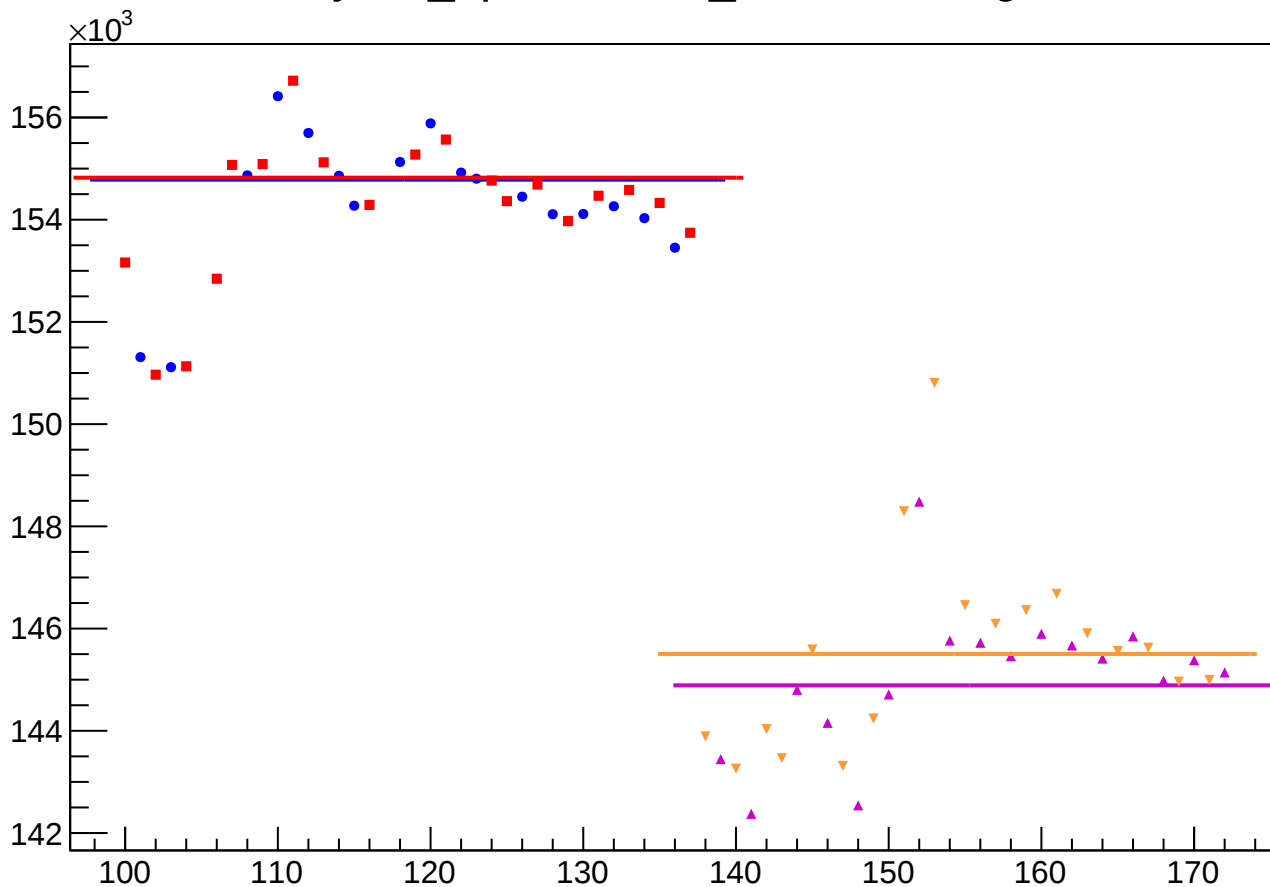
Left In: 201.612 $\pm$ 0.040 χ^2 /NDF: 379856.3/16

+ sign 189.757 $\pm$ 0.031 χ^2 /NDF: 1472356.2/34

All: 187.556 $\pm$ 0.022 χ^2 /NDF: 3287371.1/70

- sign 185.450 $\pm$ 0.030 χ^2 /NDF: 1805161.4/35

yield_bpm1i02WS_mean vs Slug



Right In: 154783.944 $\pm$ 0.065 χ^2 /NDF: 265581398.0/16

Left Out: 145502.661 $\pm$ 0.052 χ^2 /NDF: 1491167775.8/17

Right Out: 154822.113 $\pm$ 0.061 χ^2 /NDF: 293850525.9/18

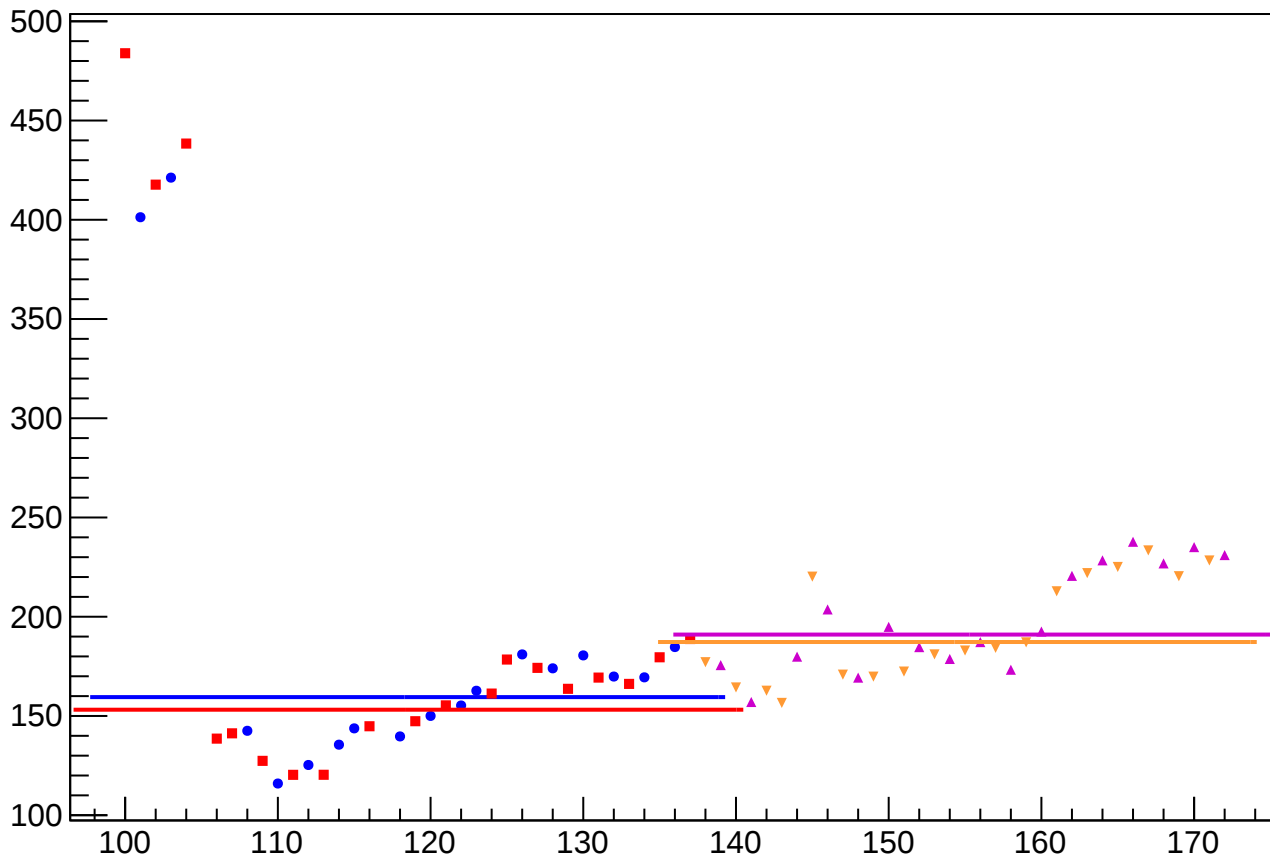
Left In: 144889.574 $\pm$ 0.053 χ^2 /NDF: 827081604.9/16

+ sign 149081.842 $\pm$ 0.041 χ^2 /NDF: 14142237935.9

All: 149140.568 $\pm$ 0.029 χ^2 /NDF: 303355713

- sign 149197.879 $\pm$ 0.040 χ^2 /NDF: 16189198034.9

yield_bpm1i02WS_rms vs Slug



Right In: 159.504 $\pm$ 0.046 χ^2 /NDF: 1131844.5/16

Left Out: 187.266 $\pm$ 0.037 χ^2 /NDF: 423263.9/17

Right Out: 153.153 $\pm$ 0.043 χ^2 /NDF: 1173739.7/18

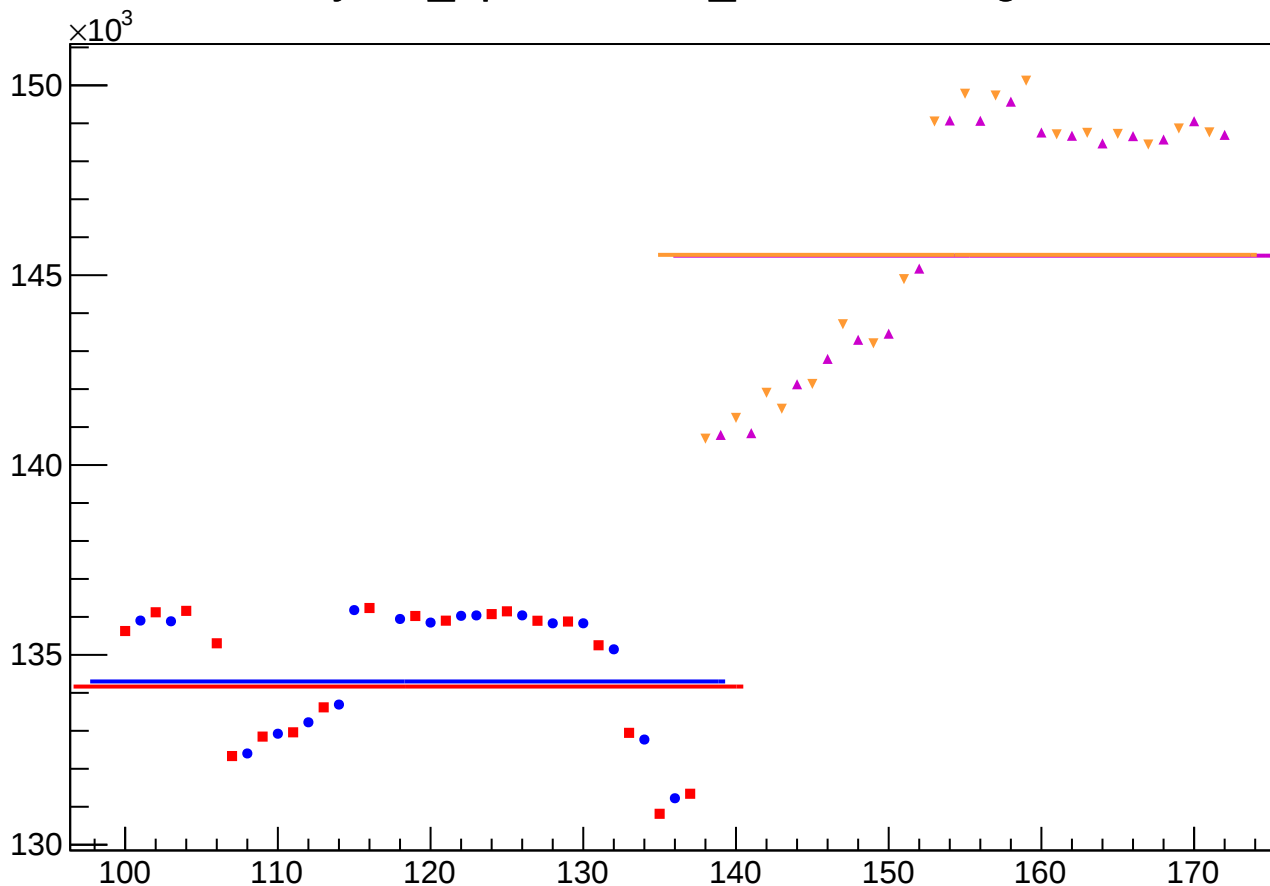
Left In: 191.010 $\pm$ 0.038 χ^2 /NDF: 396262.8/16

+ sign 176.560 $\pm$ 0.029 χ^2 /NDF: 1776742.5/34

All: 175.563 $\pm$ 0.020 χ^2 /NDF: 3786904.2/70

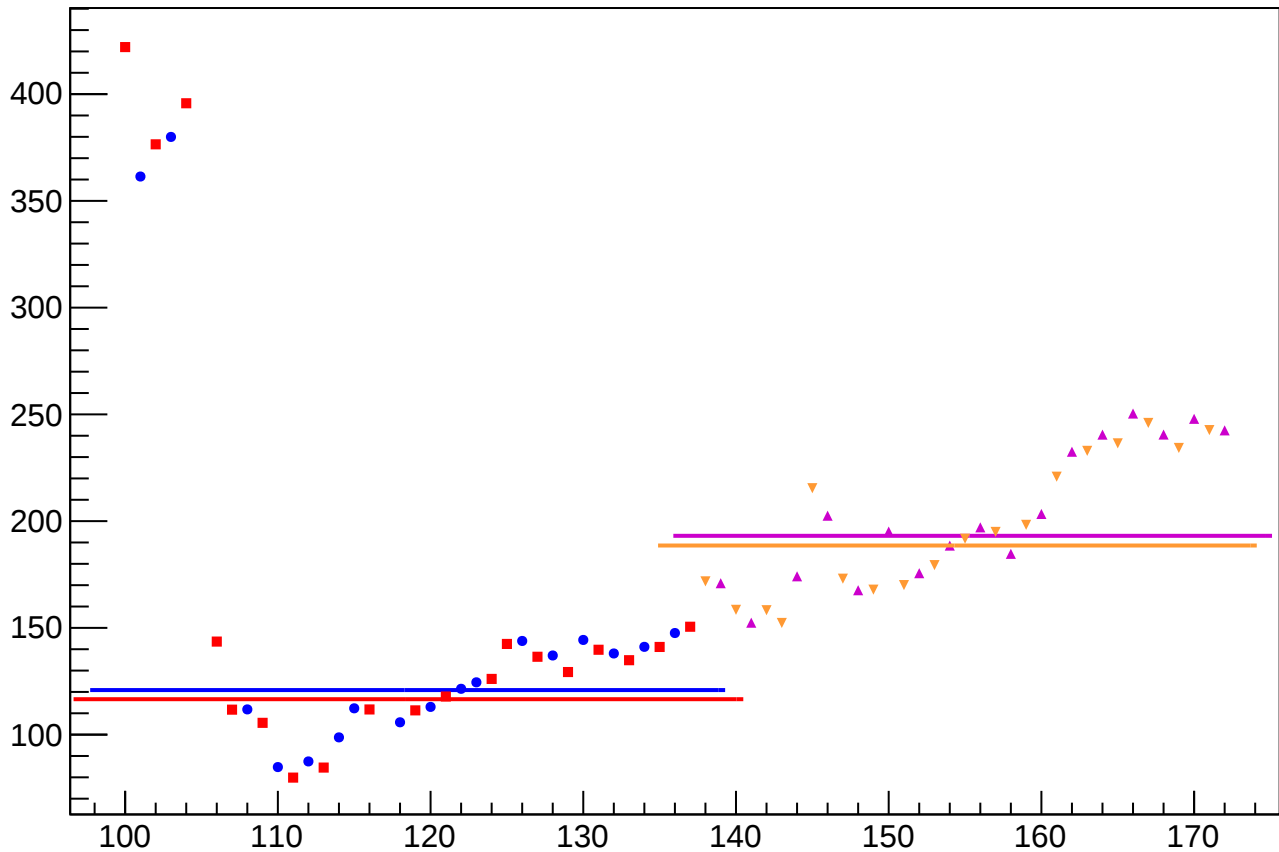
- sign 174.589 $\pm$ 0.028 χ^2 /NDF: 2007776.5/35

yield_bpm1i04WS_mean vs Slug



Right In: 134300.025 $\pm$ 0.050 χ^2 /NDF: 1149581803.2/16
 Left Out: 145535.916 $\pm$ 0.052 χ^2 /NDF: 4542155616.2/17
 Right Out: 134165.615 $\pm$ 0.047 χ^2 /NDF: 1211471052.4/18
 Left In: 145514.264 $\pm$ 0.054 χ^2 /NDF: 3872560869.4/16
 All: 139388.967 $\pm$ 0.025 χ^2 /NDF: 597336999
 + sign 139696.337 $\pm$ 0.036 χ^2 /NDF: 29616090472.
 - sign 139092.363 $\pm$ 0.036 χ^2 /NDF: 29976667348.7

yield_bpm1i04WS_rms vs Slug



Right In: 120.872 $\pm$ 0.036 χ^2 /NDF: 1463728.4/16

Left Out: 188.581 $\pm$ 0.037 χ^2 /NDF: 620918.1/17

Right Out: 116.595 $\pm$ 0.034 χ^2 /NDF: 1541338.5/18

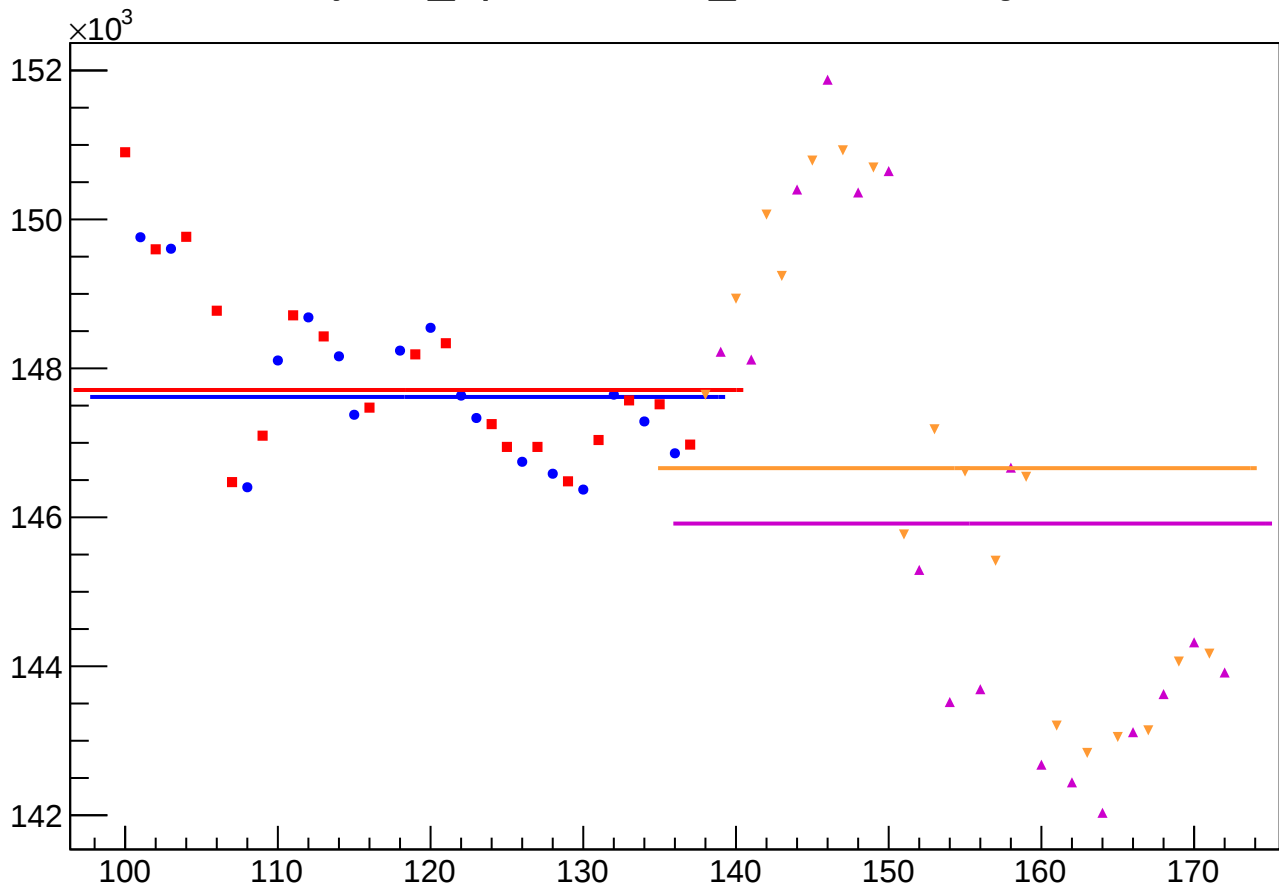
Left In: 193.123 $\pm$ 0.038 χ^2 /NDF: 574147.3/16

+ sign 153.391 $\pm$ 0.026 χ^2 /NDF: 3822234.7/34

All: 151.573 $\pm$ 0.018 χ^2 /NDF: 8211486.1/70

- sign 149.818 $\pm$ 0.025 χ^2 /NDF: 4379382.3/35

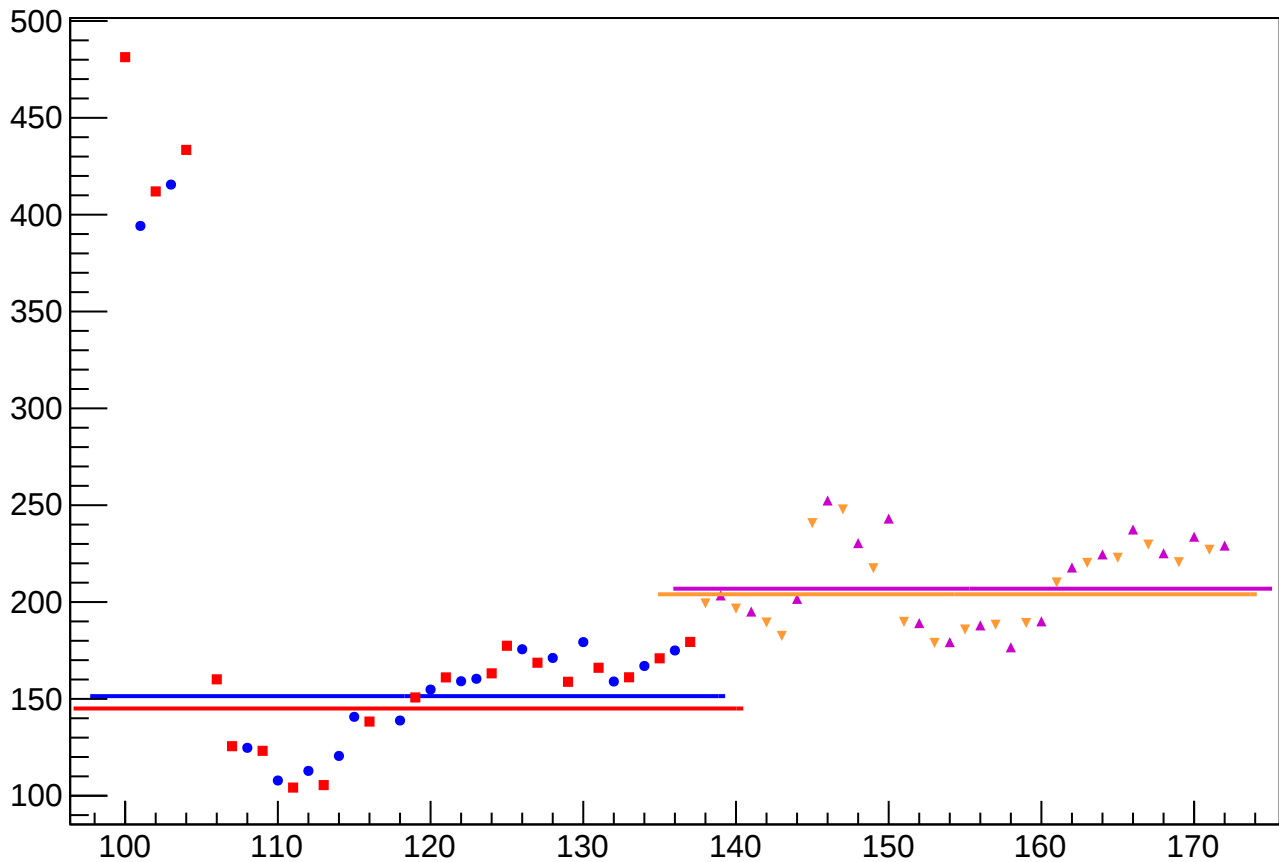
yield_bpm1i06WS_mean vs Slug



Right In: 147616.150+/-0.062 χ^2/NDF : 199263428.7/16
 Left Out: 146660.247+/-0.056 χ^2/NDF : 2147738764.9/17
 Right Out: 147709.723+/-0.058 χ^2/NDF : 203906685.9/18
 Left In: 145916.269+/-0.058 χ^2/NDF : 2803336779.5/16

+ sign 147088.620+/-0.042 χ^2/NDF : 2476162962.0
 All: 146942.951+/-0.029 χ^2/NDF : 598524698
 - sign 146802.923+/-0.041 χ^2/NDF : 3485297473.8/

yield_bpm1i06WS_rms vs Slug



Right In: 151.424 $\pm$ 0.044 χ^2 /NDF: 1257843.0/16

Left Out: 204.012 $\pm$ 0.040 χ^2 /NDF: 253468.2/17

Right Out: 145.039 $\pm$ 0.041 χ^2 /NDF: 1375972.0/18

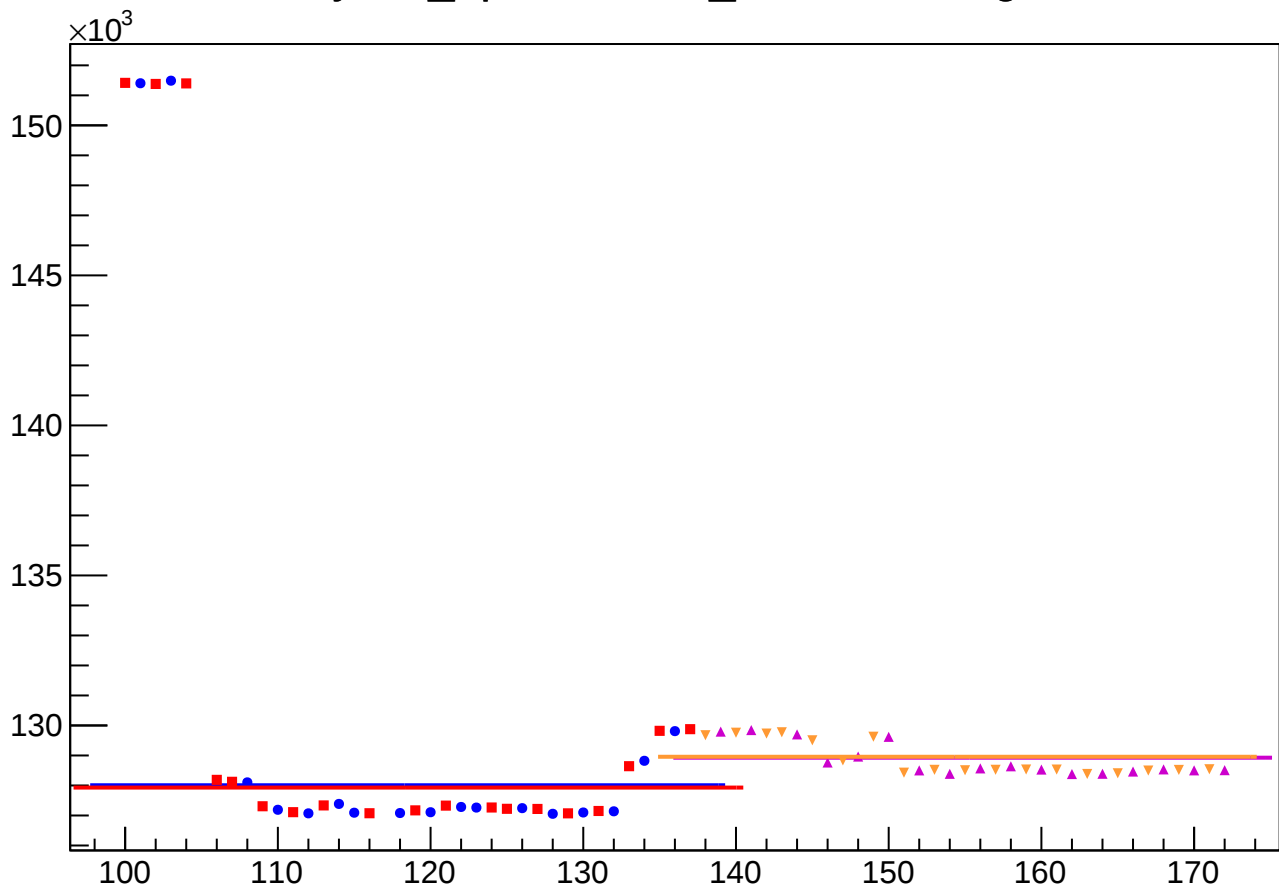
Left In: 206.896 $\pm$ 0.041 χ^2 /NDF: 317467.3/16

+ sign 180.446 $\pm$ 0.030 χ^2 /NDF: 2293131.0/34

All: 178.340 $\pm$ 0.021 χ^2 /NDF: 5133882.8/70

- sign 176.315 $\pm$ 0.029 χ^2 /NDF: 2830808.7/35

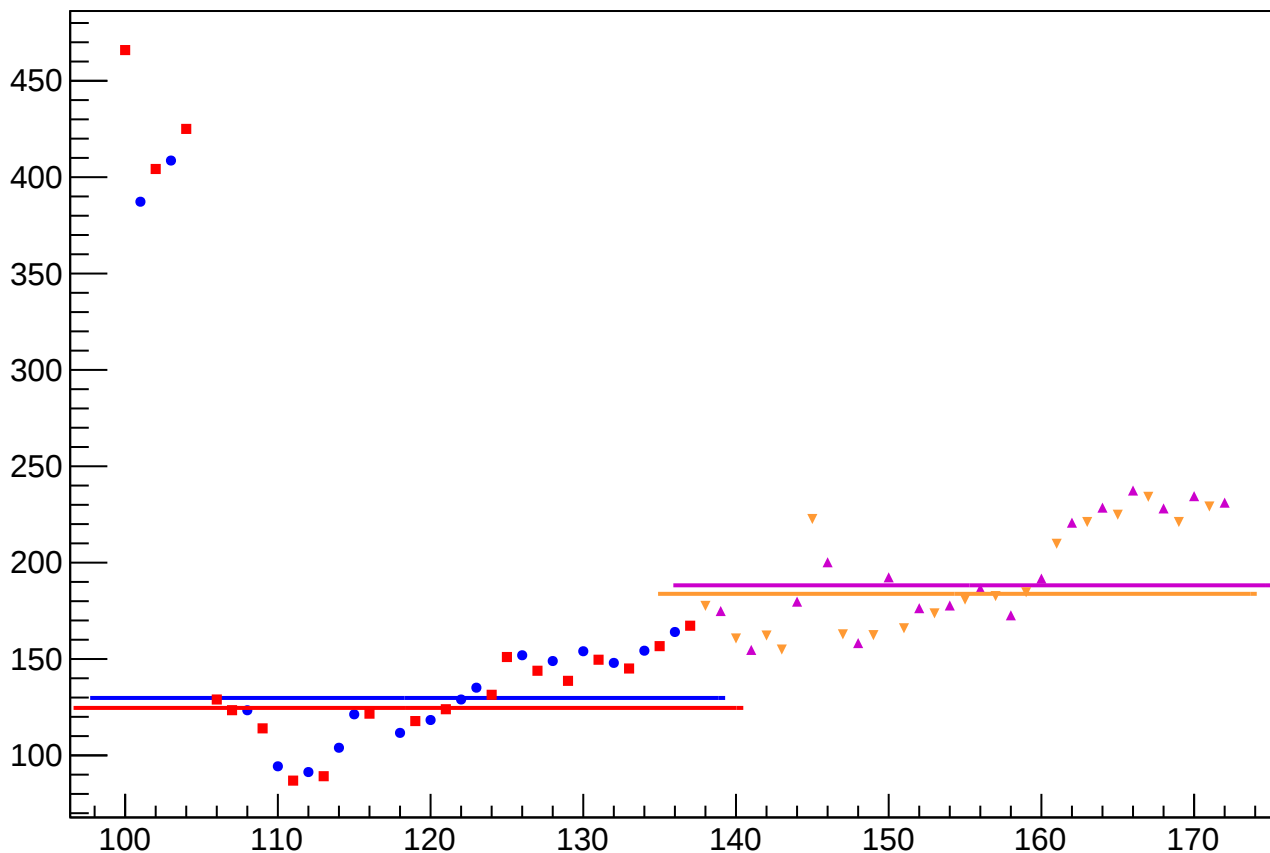
yield_bpm2i01WS_mean vs Slug



Right In: 128007.364 $\pm$ 0.054 χ^2 /NDF: 4319785674.5/16
 Left Out: 128956.906 $\pm$ 0.051 χ^2 /NDF: 124146181.1/17
 Right Out: 127930.136 $\pm$ 0.050 χ^2 /NDF: 3768176193.0/18
 Left In: 128925.936 $\pm$ 0.053 χ^2 /NDF: 111741489.9/16

+ sign 128511.574 $\pm$ 0.037 χ^2 /NDF: 4607369061.0
 All: 128458.137 $\pm$ 0.026 χ^2 /NDF: 867831263
 - sign 128406.654 $\pm$ 0.036 χ^2 /NDF: 4066862737.1

yield_bpm2i01WS_rms vs Slug



Right In: 129.796 ± 0.038 χ^2/NDF : 1485294.2/16

Left Out: 183.817 ± 0.036 χ^2/NDF : 502204.7/17

Right Out: 124.625 ± 0.036 χ^2/NDF : 1531827.4/18

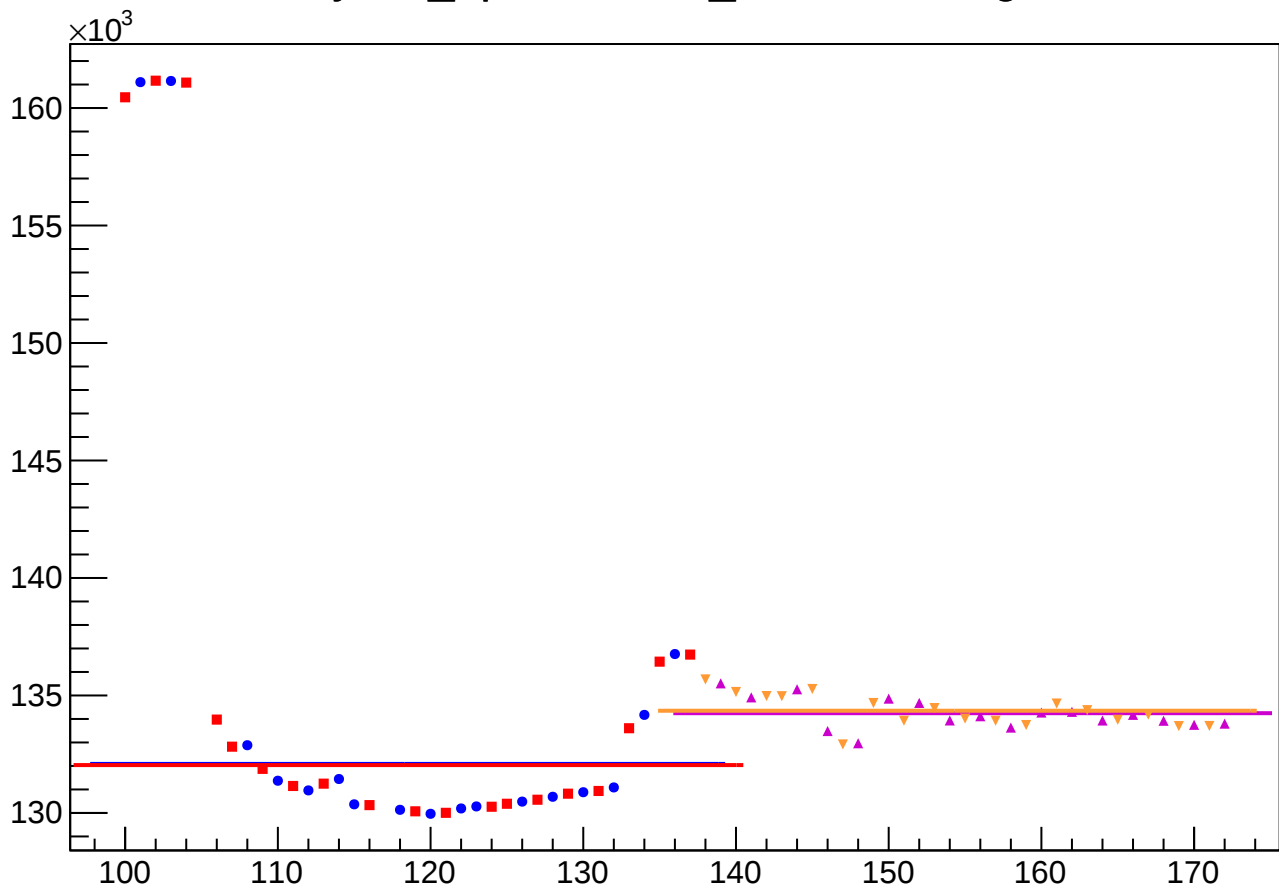
Left In: 188.235 ± 0.037 χ^2/NDF : 458429.7/16

+ sign 158.481 ± 0.026 χ^2/NDF : 3045473.1/34

All: 156.741 ± 0.018 χ^2/NDF : 6570042.0/70

- sign 155.064 ± 0.026 χ^2/NDF : 3515910.3/35

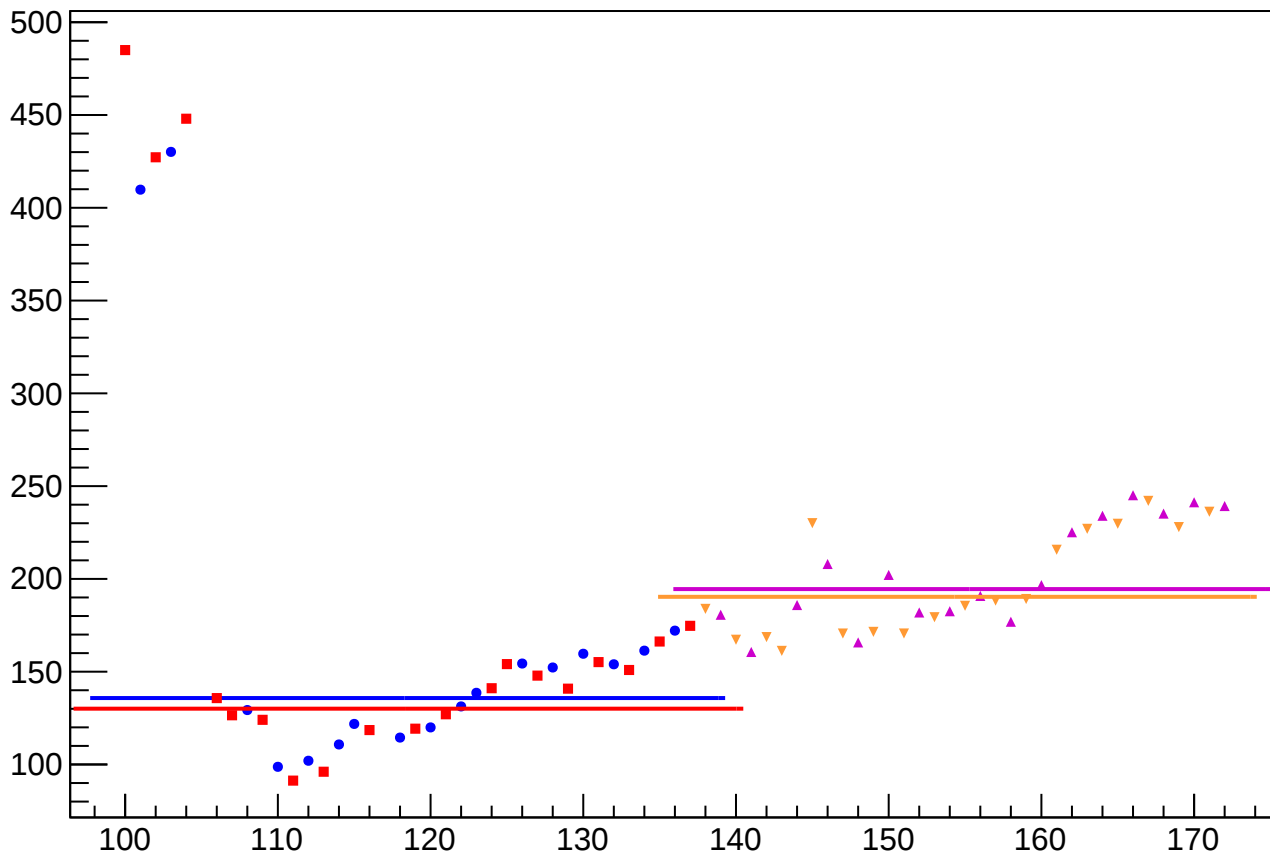
yield_bpm2i02WS_mean vs Slug



Right In: 132086.794 $\pm$ 0.057 χ^2 /NDF: 6733230928.7/16
 Left Out: 134350.215 $\pm$ 0.053 χ^2 /NDF: 176990397.7/17
 Right Out: 132037.539 $\pm$ 0.053 χ^2 /NDF: 5882115872.9/18
 Left In: 134245.915 $\pm$ 0.054 χ^2 /NDF: 165465525.7/16

+ sign 133298.701 $\pm$ 0.039 χ^2 /NDF: 7768741473.9
 - sign 133104.400 $\pm$ 0.038 χ^2 /NDF: 6901414317.0
 All: 133199.614 $\pm$ 0.027 χ^2 /NDF: 146831263

yield_bpm2i02WS_rms vs Slug



Right In: 135.796 ± 0.040 χ^2/NDF : 1441904.9/16

Left Out: 190.350 ± 0.037 χ^2/NDF : 469991.0/17

Right Out: 130.070 ± 0.037 χ^2/NDF : 1503997.6/18

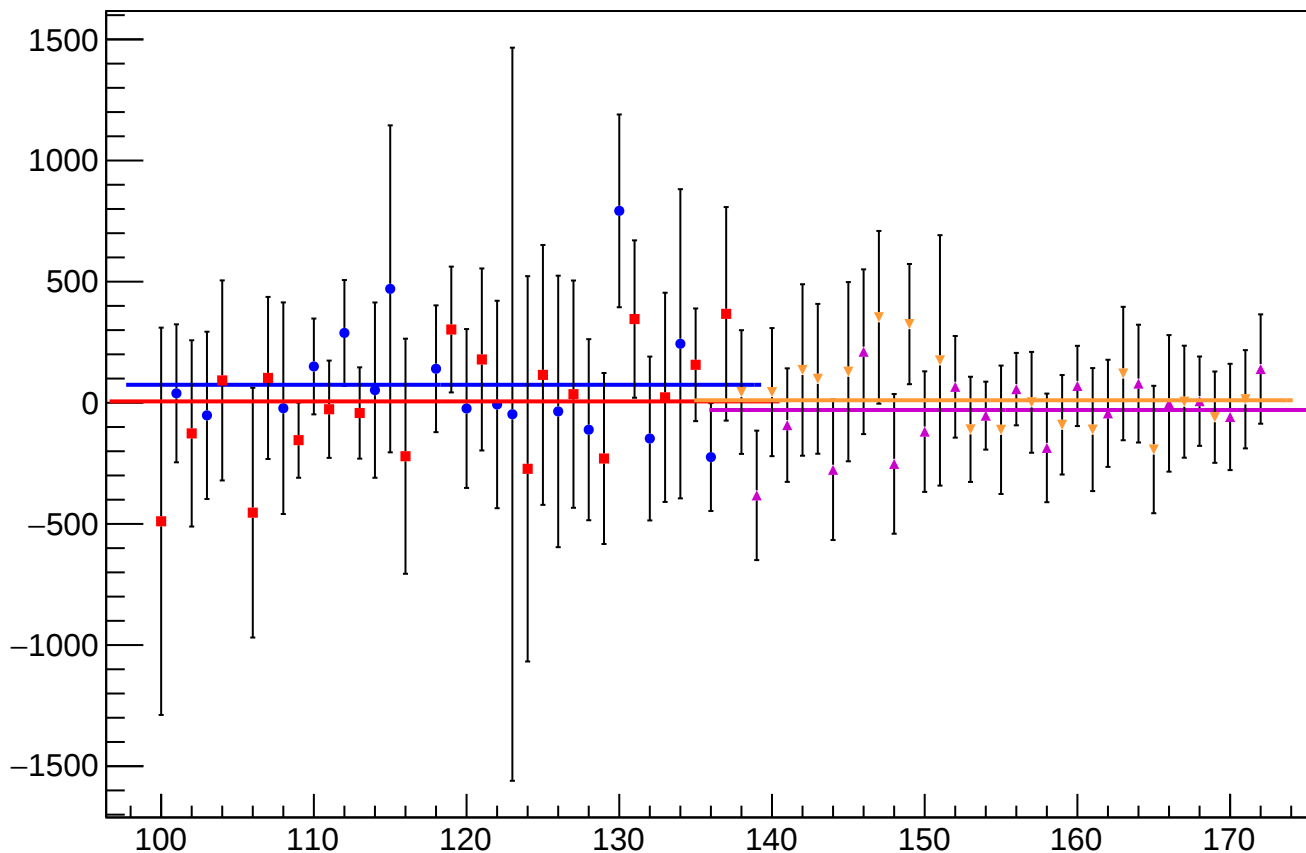
Left In: 194.518 ± 0.038 χ^2/NDF : 441660.6/16

+ sign 165.006 ± 0.027 χ^2/NDF : 2909362.5/34

All: 163.067 ± 0.019 χ^2/NDF : 6319350.0/70

- sign 161.204 ± 0.027 χ^2/NDF : 3400057.2/35

asym_bcm_an_ds_mean vs Slug



Right In: 74.294+/-79.018 χ^2/NDF : 7.7/16

Left Out: 10.417+/-59.778 χ^2/NDF : 4.9/17

Right Out: 5.739+/-70.069 χ^2/NDF : 7.1/18

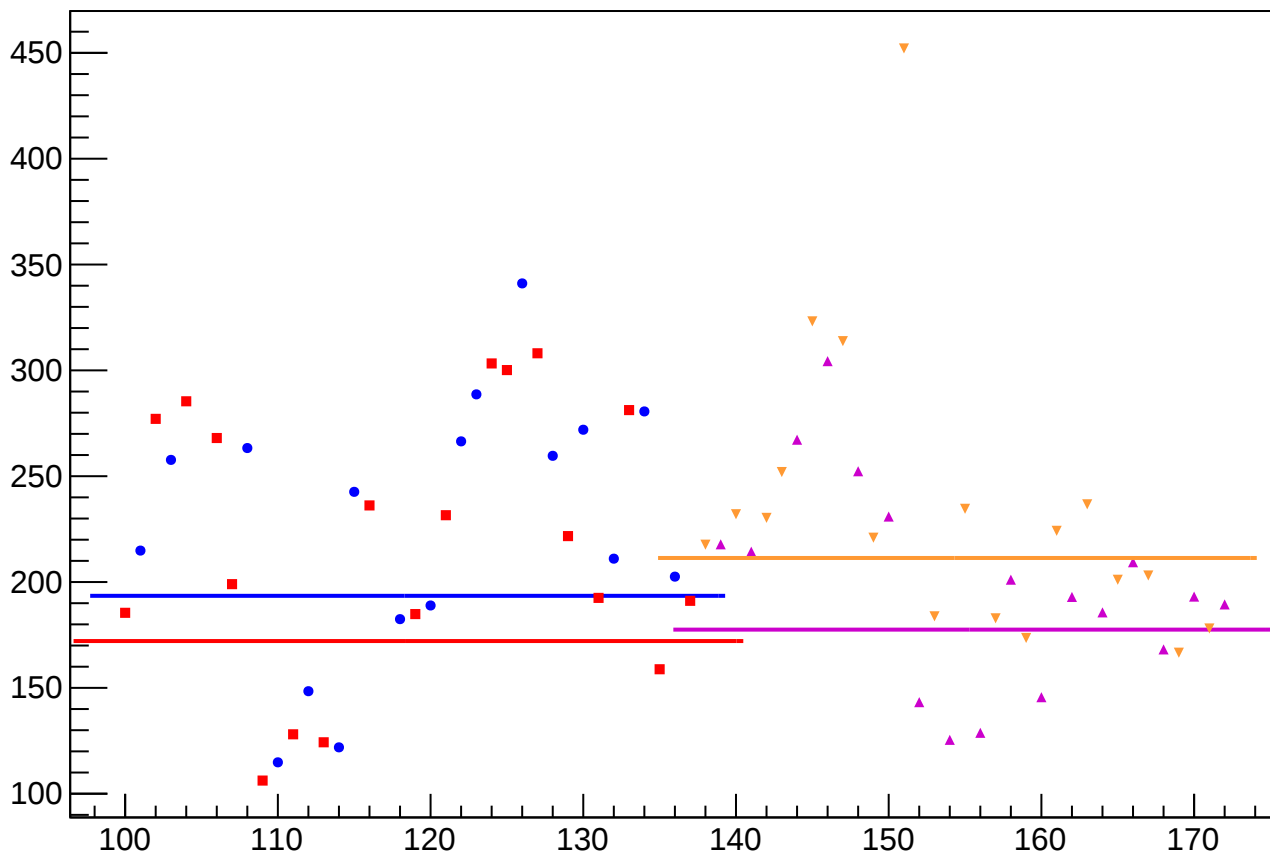
Left In: -29.723+/-51.614 χ^2/NDF : 6.0/16

+ sign 33.668+/-47.673 χ^2/NDF : 13.0/34

All: 4.735+/-31.326 χ^2/NDF : 26.9/70

- sign -17.249+/-41.556 χ^2/NDF : 13.3/35

asym_bcm_an_ds_rms vs Slug



Right In: 193.488 $\pm$ 0.056 χ^2 /NDF: 1017195.7/16

Left Out: 211.369 $\pm$ 0.042 χ^2 /NDF:1185558.8/17

Right Out: 172.122 $\pm$ 0.050 χ^2 /NDF: 1579840.2/18

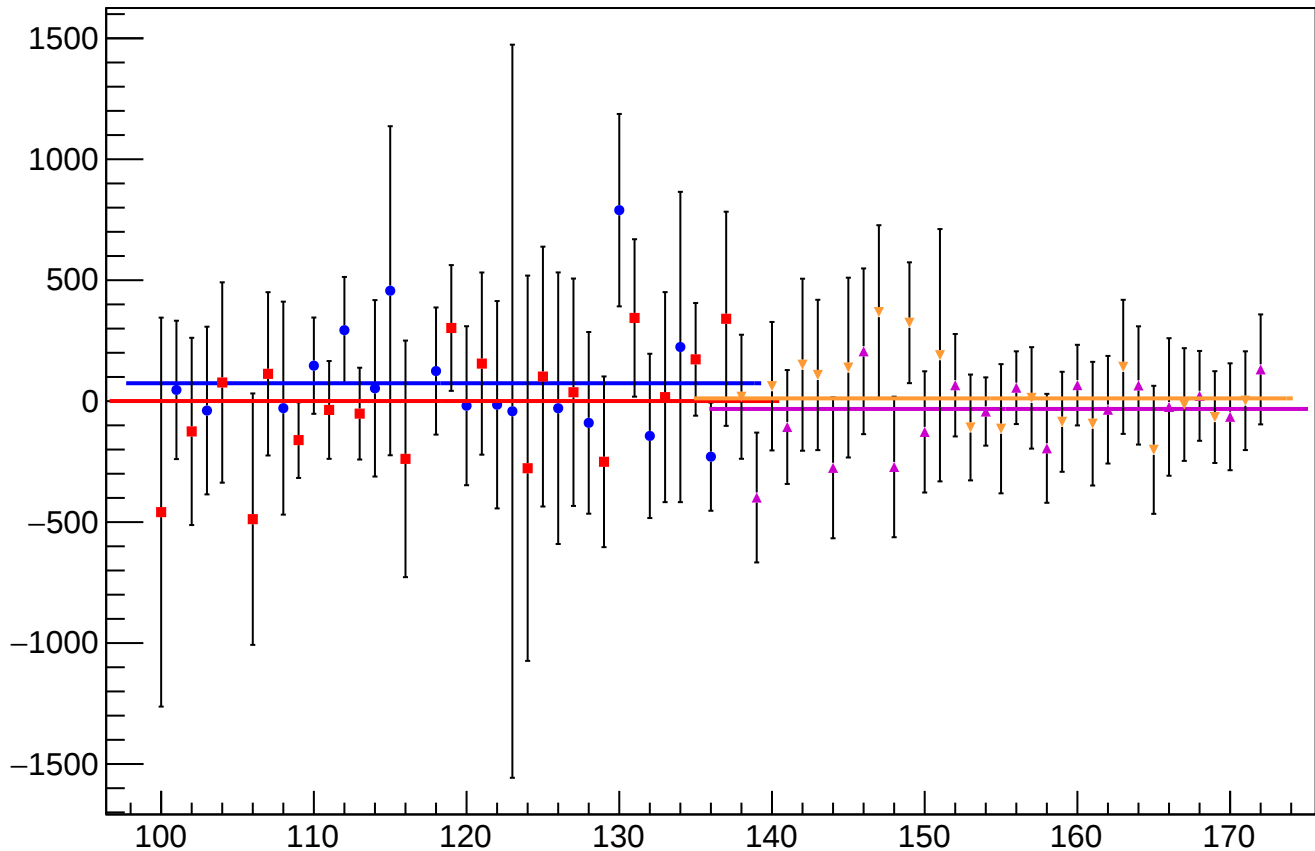
Left In: 177.519 $\pm$ 0.036 χ^2 /NDF:1488163.7/16

+ sign 204.860 $\pm$ 0.034 χ^2 /NDF: 2267888.3/34

All: 188.245 $\pm$ 0.022 χ^2 /NDF: 5771094.5/70

- sign 175.621 $\pm$ 0.029 χ^2 /NDF: 3075693.8/35

asym_bcm_an_ds3_mean vs Slug



Right In: 74.098 ± 79.404 χ^2/NDF : 7.6/16

Left Out: 11.500 ± 60.170 χ^2/NDF : 5.0/17

Right Out: 0.503 ± 70.437 χ^2/NDF : 7.3/18

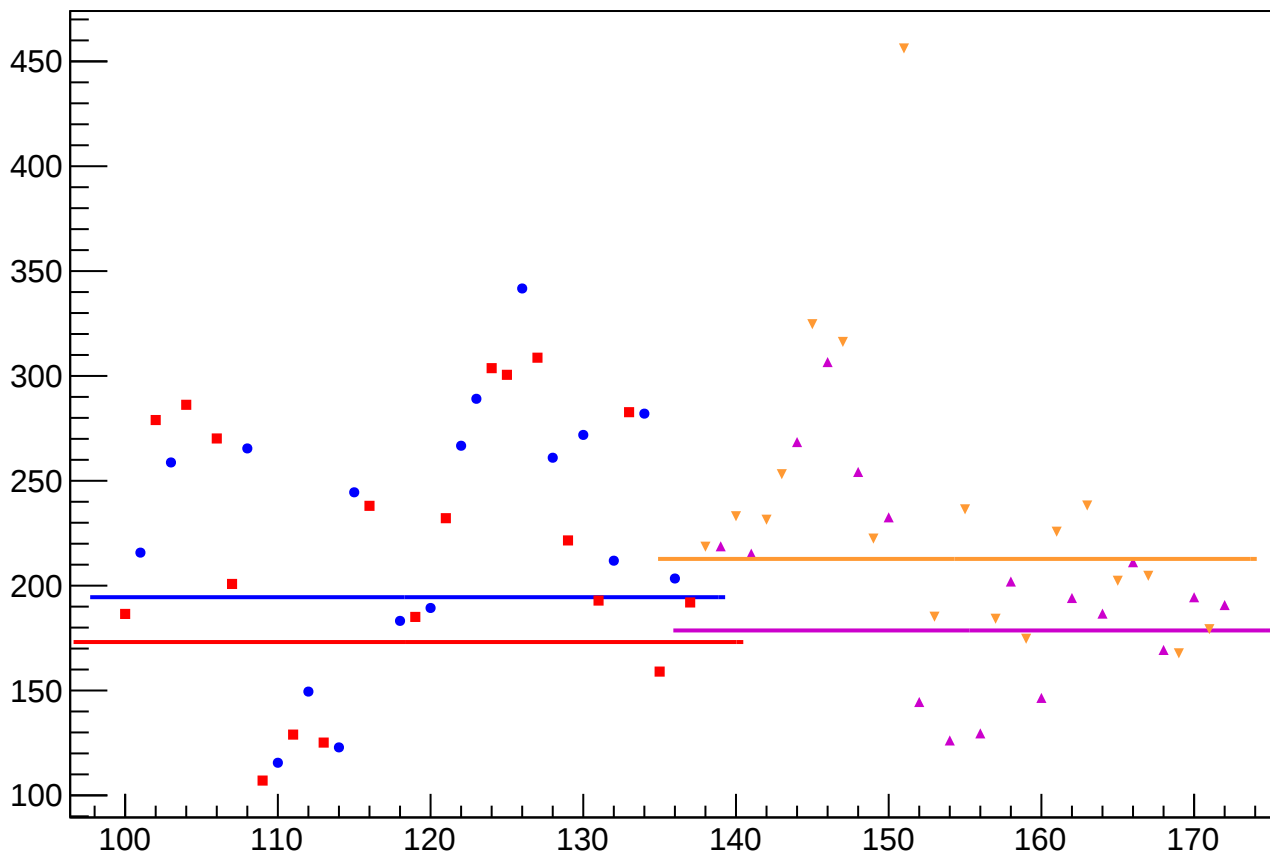
Left In: -32.223 ± 51.939 χ^2/NDF : 6.2/16

+ sign 34.333 ± 47.956 χ^2/NDF : 13.0/34

All: 3.063 ± 31.512 χ^2/NDF : 27.4/70

- sign -20.697 ± 41.803 χ^2/NDF : 13.6/35

asym_bcm_an_ds3_rms vs Slug



Right In: 194.496 $\pm$ 0.056 χ^2 /NDF: 1008514.7/16

Left Out: 212.750 $\pm$ 0.043 χ^2 /NDF: 1184471.3/17

Right Out: 173.111 $\pm$ 0.050 χ^2 /NDF: 1567374.3/18

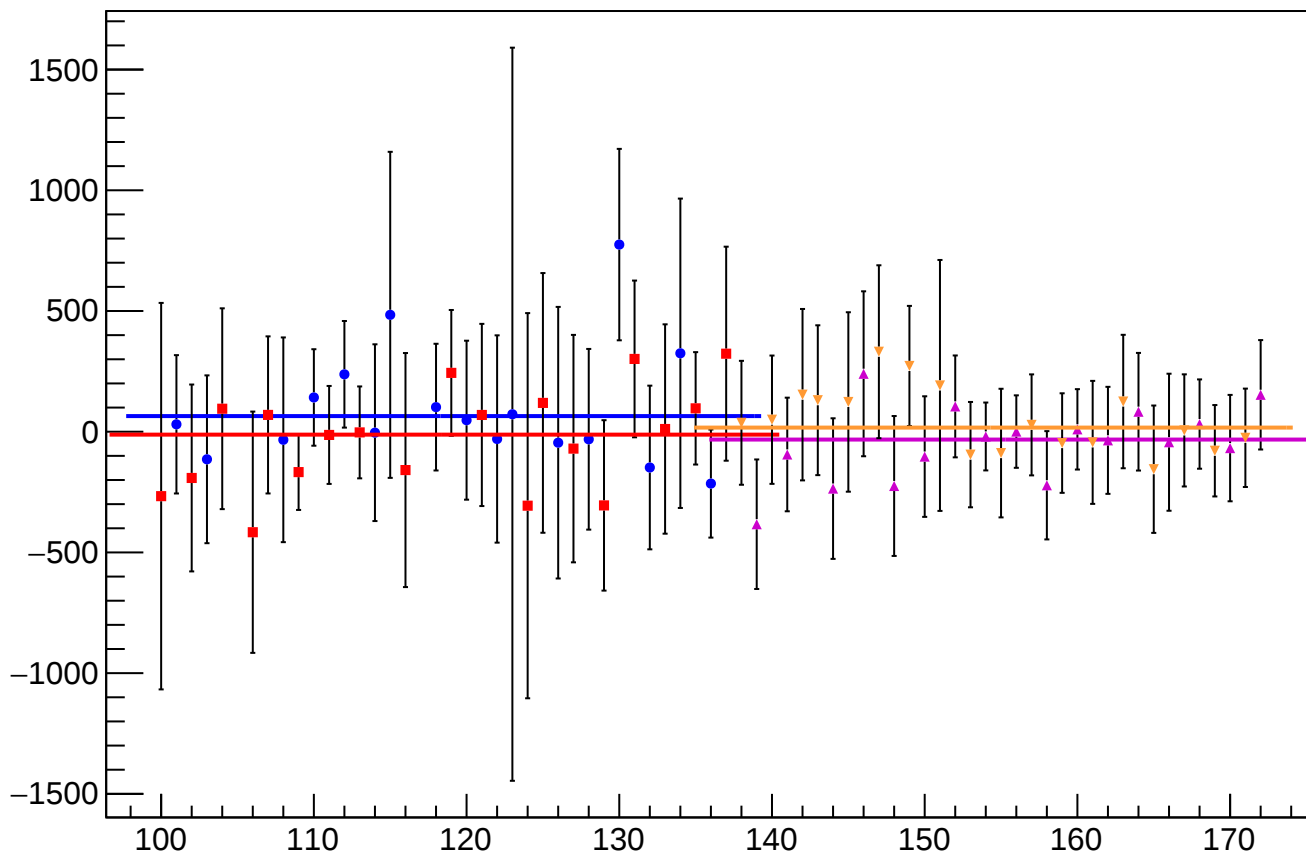
Left In: 178.634 $\pm$ 0.037 χ^2 /NDF: 1487038.7/16

+ sign 206.092 $\pm$ 0.034 χ^2 /NDF: 2260126.3/34

All: 189.384 $\pm$ 0.022 χ^2 /NDF: 5749716.2/70

- sign 176.689 $\pm$ 0.030 χ^2 /NDF: 3062378.4/35

asym_bcm_an_us_mean vs Slug



Right In: 64.733 ± 79.399 χ^2/NDF : 7.0/16

Left Out: 17.093 ± 60.034 χ^2/NDF : 3.8/17

Right Out: -12.094 ± 70.361 χ^2/NDF : 5.8/18

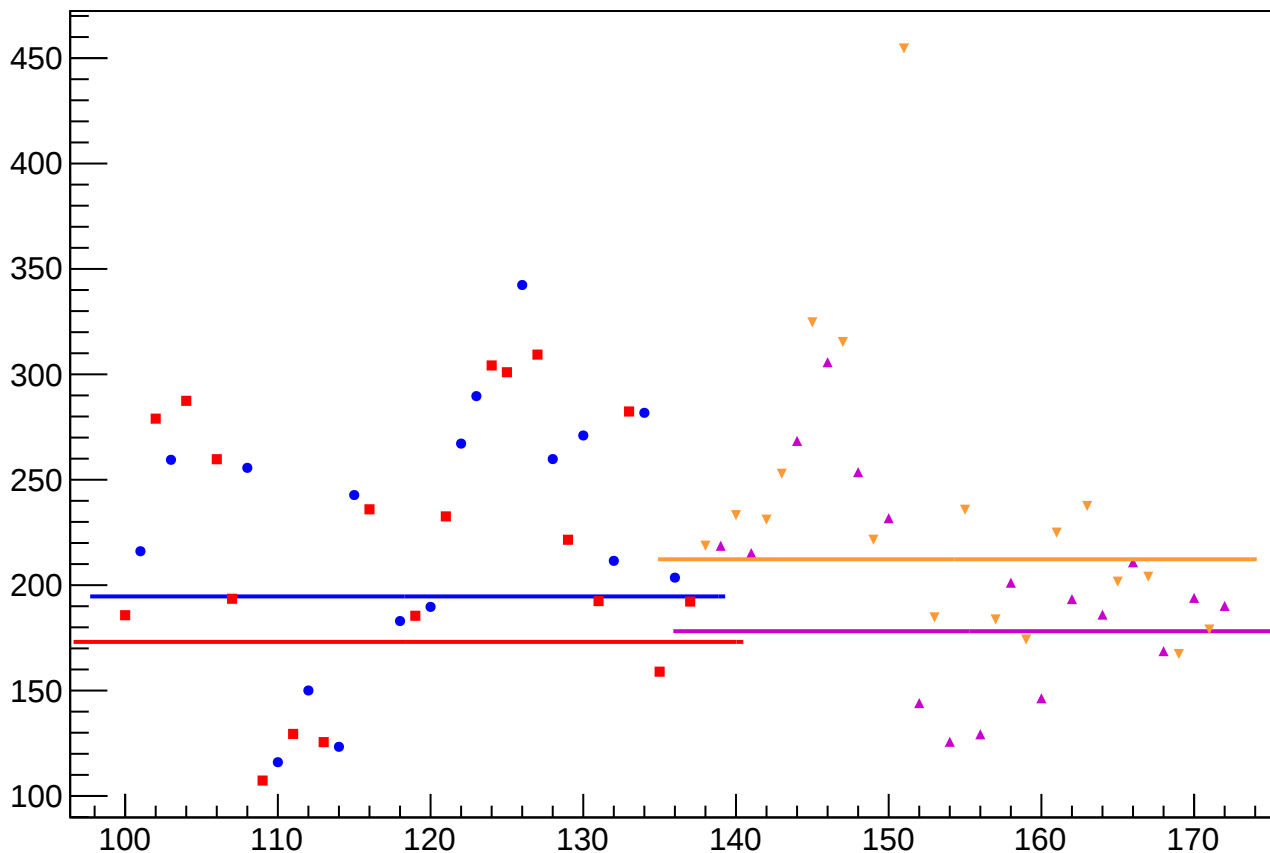
Left In: -32.520 ± 51.804 χ^2/NDF : 5.7/16

+ sign 34.421 ± 47.886 χ^2/NDF : 11.0/34

All: 0.445 ± 31.455 χ^2/NDF : 23.5/70

- sign -25.340 ± 41.716 χ^2/NDF : 11.6/35

asym_bcm_an_us_rms vs Slug



Right In: 194.652 $\pm$ 0.056 χ^2 /NDF: 986798.9/16

Left Out: 212.263 $\pm$ 0.042 χ^2 /NDF:1186086.7/17

Right Out: 173.089 $\pm$ 0.050 χ^2 /NDF: 1544540.9/18

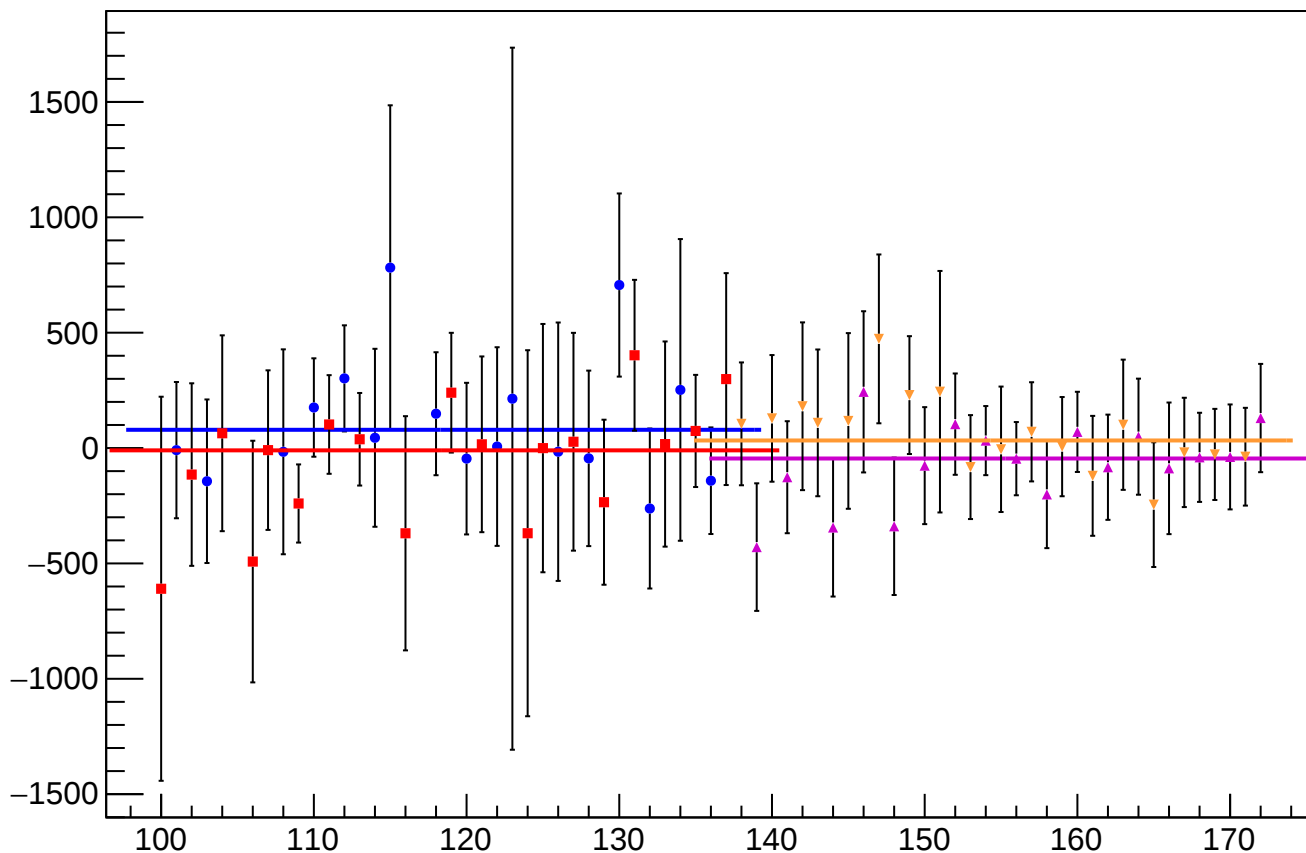
Left In: 178.158 $\pm$ 0.037 χ^2 /NDF:1490655.4/16

+ sign 205.857 $\pm$ 0.034 χ^2 /NDF: 2235493.5/34

All: 189.096 $\pm$ 0.022 χ^2 /NDF: 5708401.5/70

- sign 176.376 $\pm$ 0.029 χ^2 /NDF: 3041927.5/35

asym_bcm_dg_us_mean vs Slug



Right In: 79.128 $\pm$ 81.874 χ^2 /NDF: 7.5/16

Left Out: 32.874 $\pm$ 61.834 χ^2 /NDF: 4.7/17

Right Out: -9.982 $\pm$ 73.310 χ^2 /NDF: 7.9/18

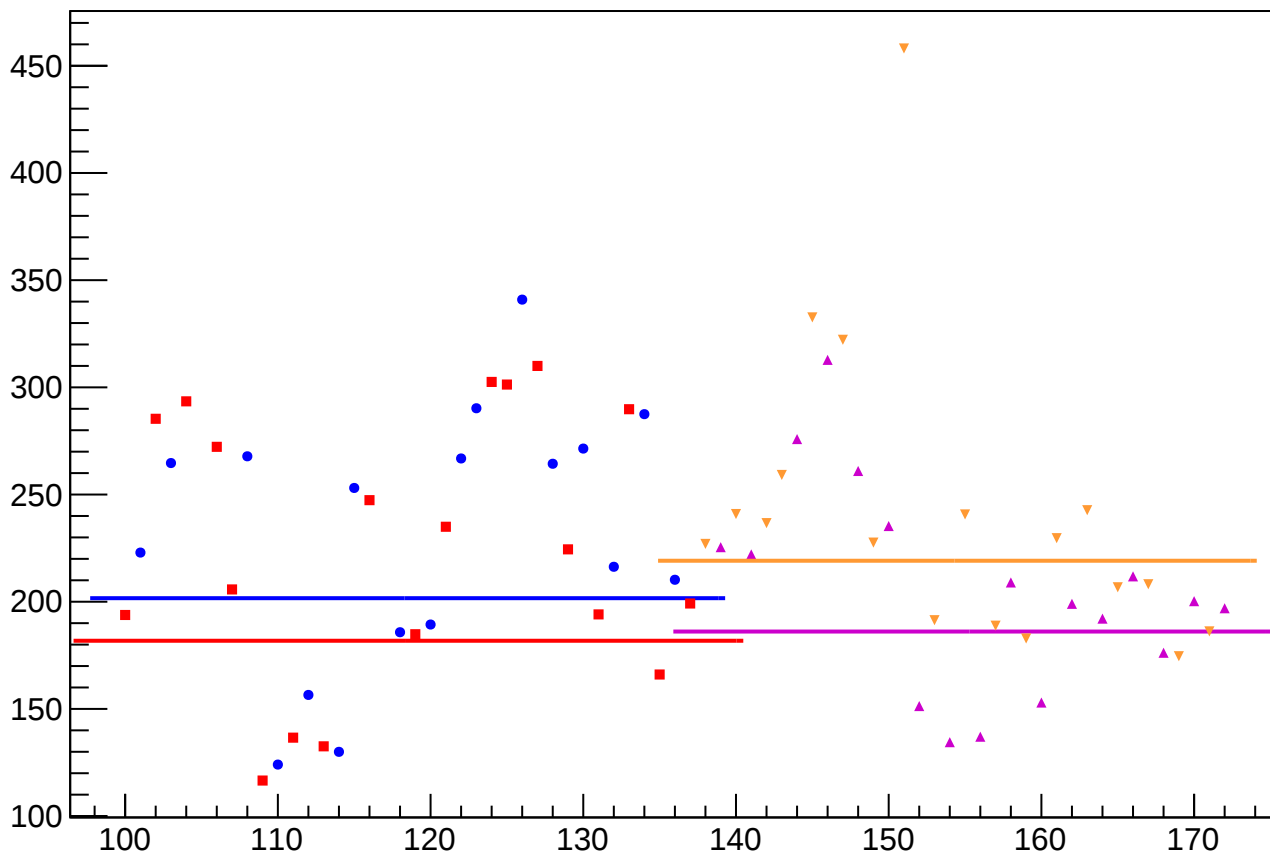
Left In: -45.281 $\pm$ 53.877 χ^2 /NDF: 7.1/16

+ sign 49.674 $\pm$ 49.343 χ^2 /NDF: 12.4/34

All: 3.129 $\pm$ 32.594 χ^2 /NDF: 29.1/70

- sign -32.902 $\pm$ 43.414 χ^2 /NDF: 15.1/35

asym_bcm_dg_us_rms vs Slug



Right In: 201.654 $\pm$ 0.058 χ^2 /NDF: 883179.7/16

Left Out: 219.121 $\pm$ 0.044 χ^2 /NDF:1121901.7/17

Right Out: 181.797 $\pm$ 0.052 χ^2 /NDF: 1377449.9/18

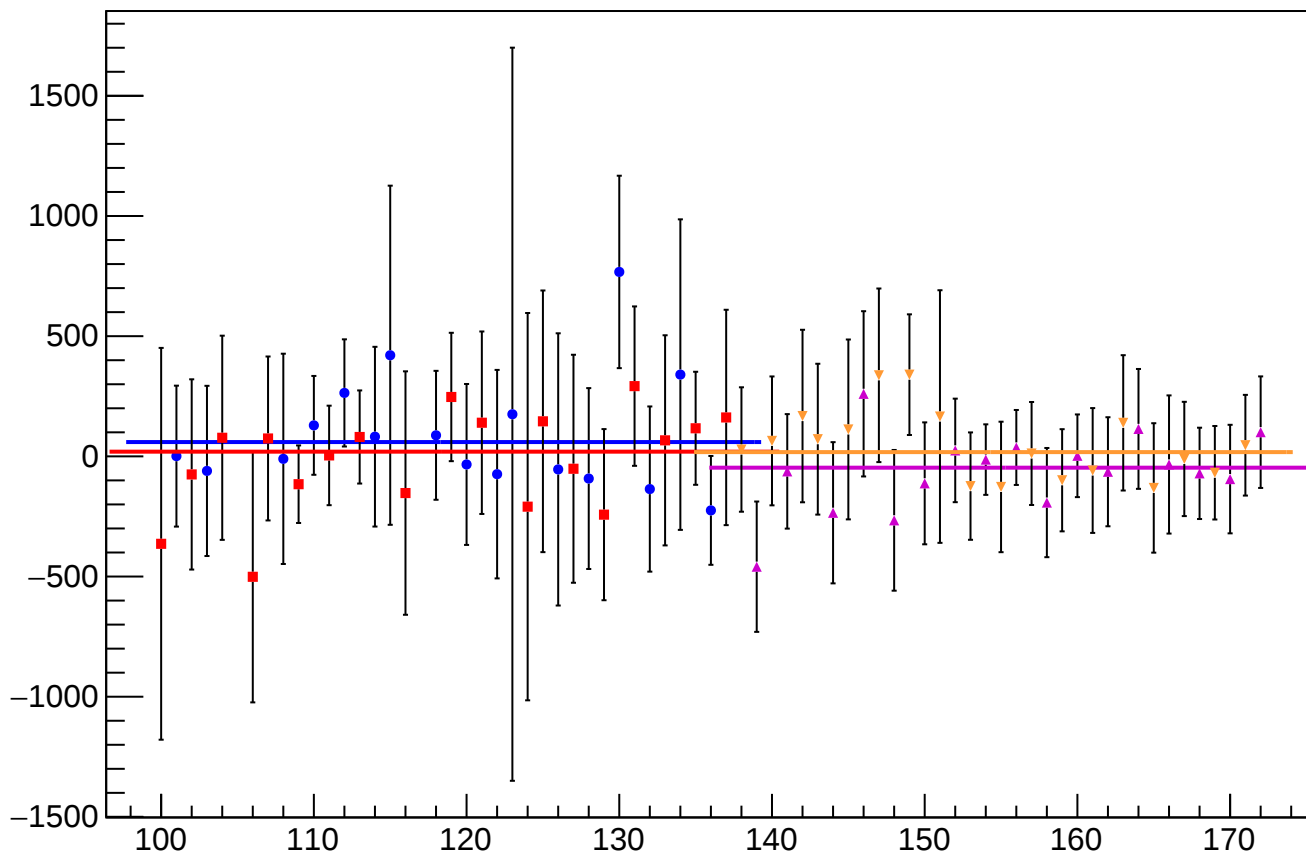
Left In: 186.092 $\pm$ 0.038 χ^2 /NDF:1341777.0/16

+ sign 212.777 $\pm$ 0.035 χ^2 /NDF: 2063045.5/34

All: 196.887 $\pm$ 0.023 χ^2 /NDF: 5154696.4/70

- sign 184.586 $\pm$ 0.031 χ^2 /NDF: 2723684.3/35

asym_bcm_dg_ds_mean vs Slug



Right In: 59.496 ± 80.808 χ^2/NDF : 7.0/16

Left Out: 17.680 ± 61.225 χ^2/NDF : 4.6/17

Right Out: 19.541 ± 71.866 χ^2/NDF : 4.7/18

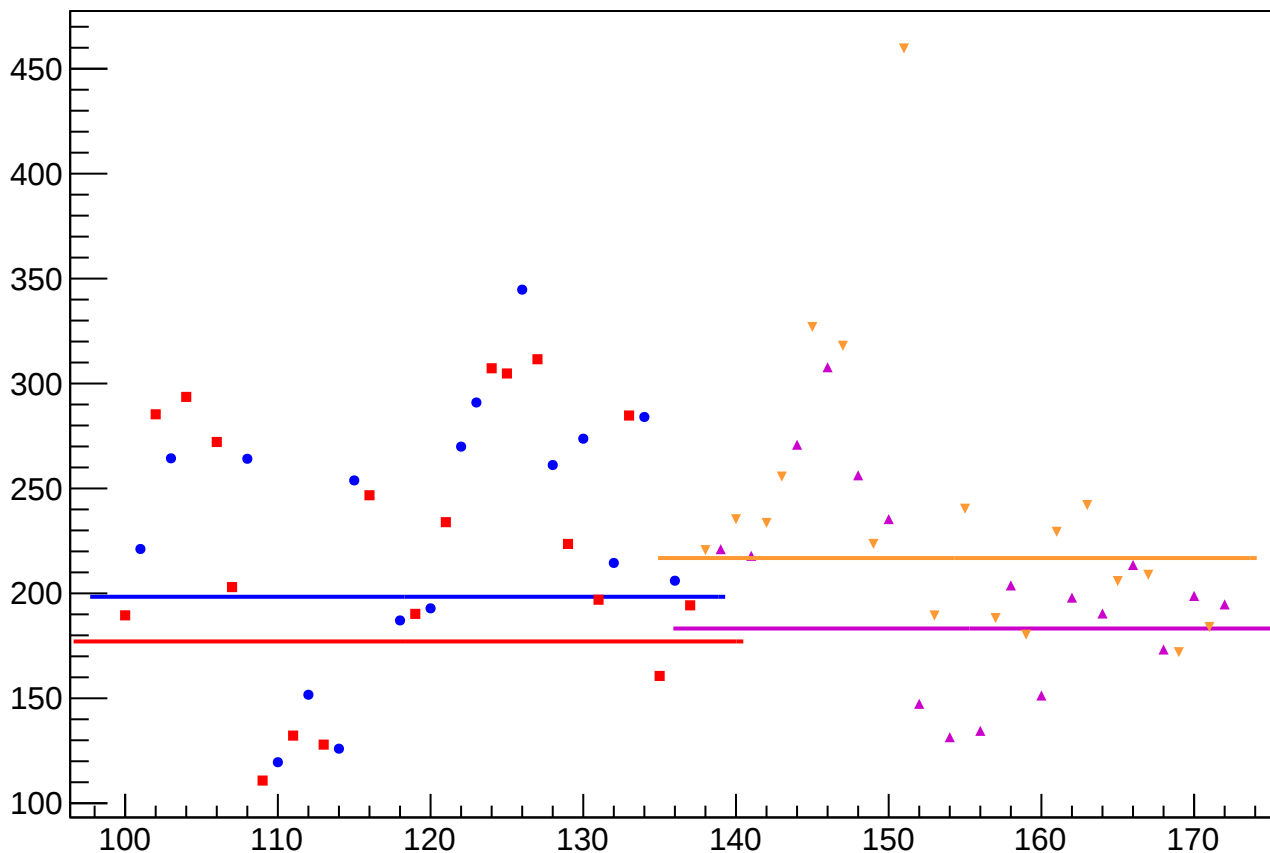
Left In: -47.114 ± 53.125 χ^2/NDF : 6.0/16

+ sign 32.930 ± 48.800 χ^2/NDF : 11.8/34

All: 0.948 ± 32.144 χ^2/NDF : 23.8/70

- sign -23.561 ± 42.720 χ^2/NDF : 11.3/35

asym_bcm_dg_ds_rms vs Slug



Right In: 198.378 ± 0.057 $\chi^2/\text{NDF}: 963672.6/16$

Left Out: 216.842 ± 0.043 $\chi^2/\text{NDF}: 1124986.2/17$

Right Out: 177.096 ± 0.051 $\chi^2/\text{NDF}: 1524763.6/18$

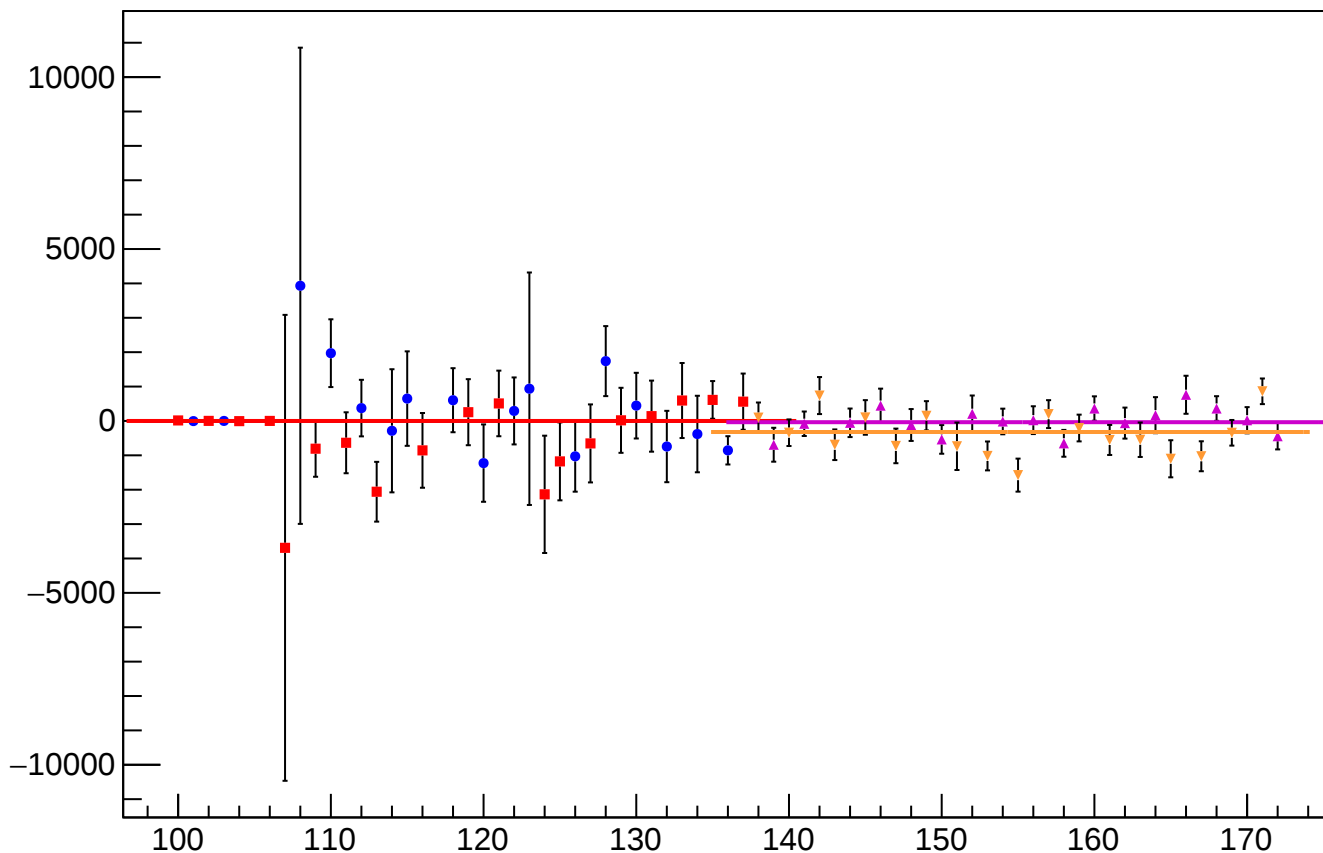
Left In: 183.258 ± 0.038 $\chi^2/\text{NDF}: 1367794.4/16$

+ sign 210.108 ± 0.035 $\chi^2/\text{NDF}: 2154989.8/34$

All: 193.674 ± 0.023 $\chi^2/\text{NDF}: 5457674.4/70$

- sign 181.080 ± 0.030 $\chi^2/\text{NDF}: 2902065.8/35$

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 17.0/16

Left Out: -321.434 ± 104.901 χ^2/NDF : 35.0/17

Right Out: -0.727 ± 2.111 χ^2/NDF : 19.3/18

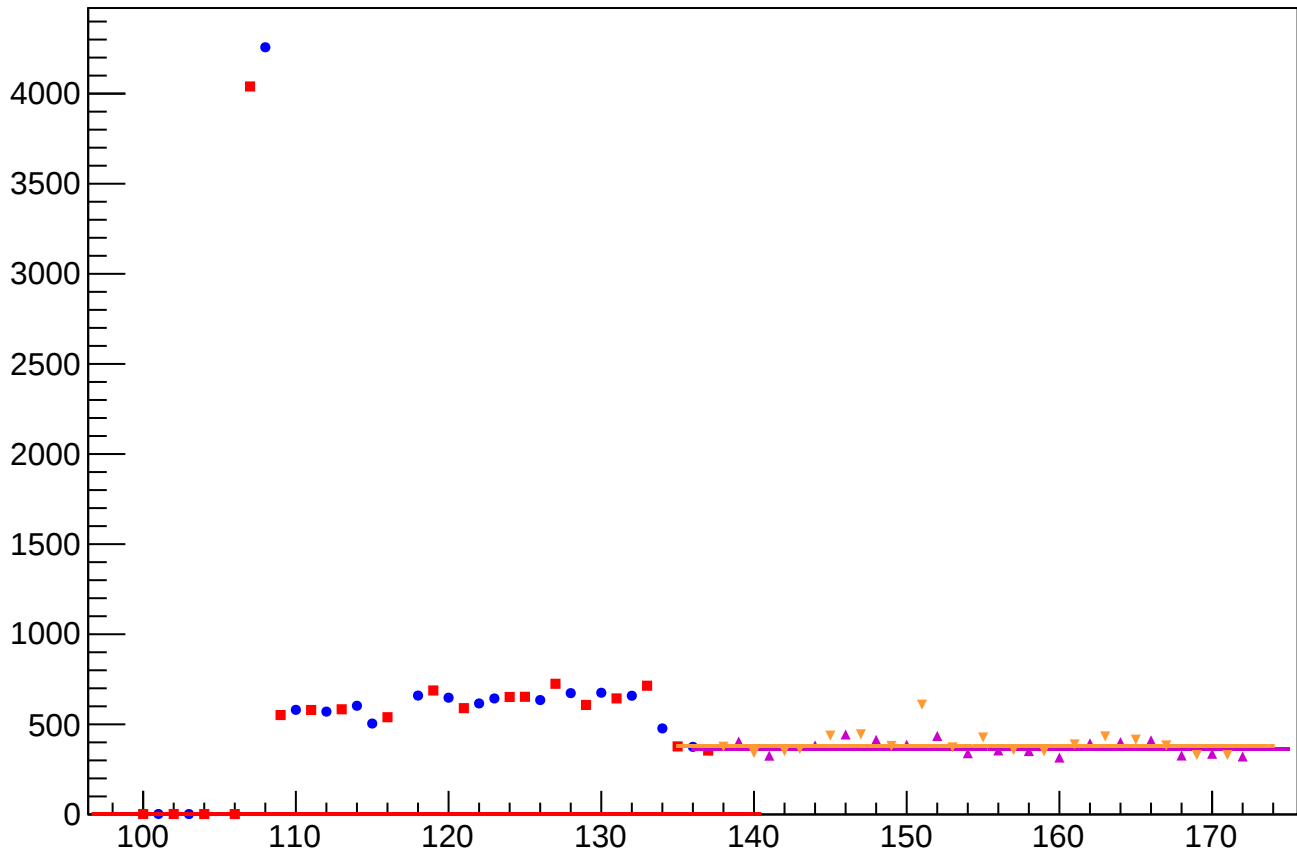
Left In: -36.415 ± 101.564 χ^2/NDF : 12.8/16

+ sign -1.677 ± 2.251 χ^2/NDF : 61.2/34

All: -1.179 ± 1.540 χ^2/NDF : 93.6/70

- sign -0.742 ± 2.111 χ^2/NDF : 32.2/35

asym_cav4bQ_rms vs Slug



Right In: 2.457+/-0.002 χ^2/NDF : 10847802.4/16

Left Out: 379.894+/-0.074 χ^2/NDF : 451729.5/17

Right Out: 2.437+/-0.001 χ^2/NDF : 11147393.9/18

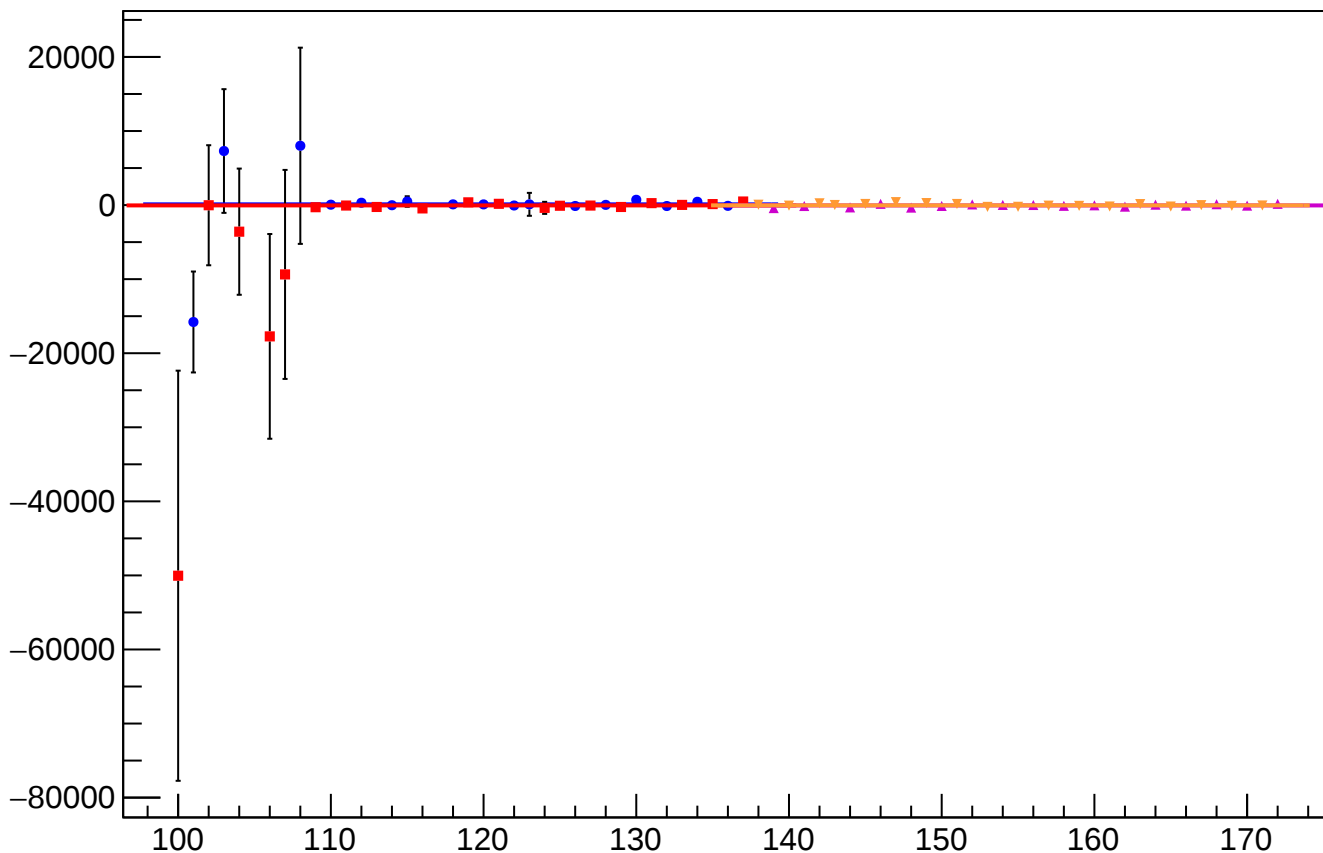
Left In: 363.227+/-0.072 χ^2/NDF : 295863.9/16

+ sign 2.630+/-0.002 χ^2/NDF : 37179346.0/34

All: 2.610+/-0.001 χ^2/NDF : 73850297.4/70

- sign 2.593+/-0.001 χ^2/NDF : 36670649.9/35

asym_cav4cQ_mean vs Slug



Right In: 98.643+/-90.860 χ^2/NDF : 11.9/16

Left Out: -35.927+/-63.716 χ^2/NDF : 6.1/17

Right Out: -42.302+/-84.496 χ^2/NDF : 13.9/18

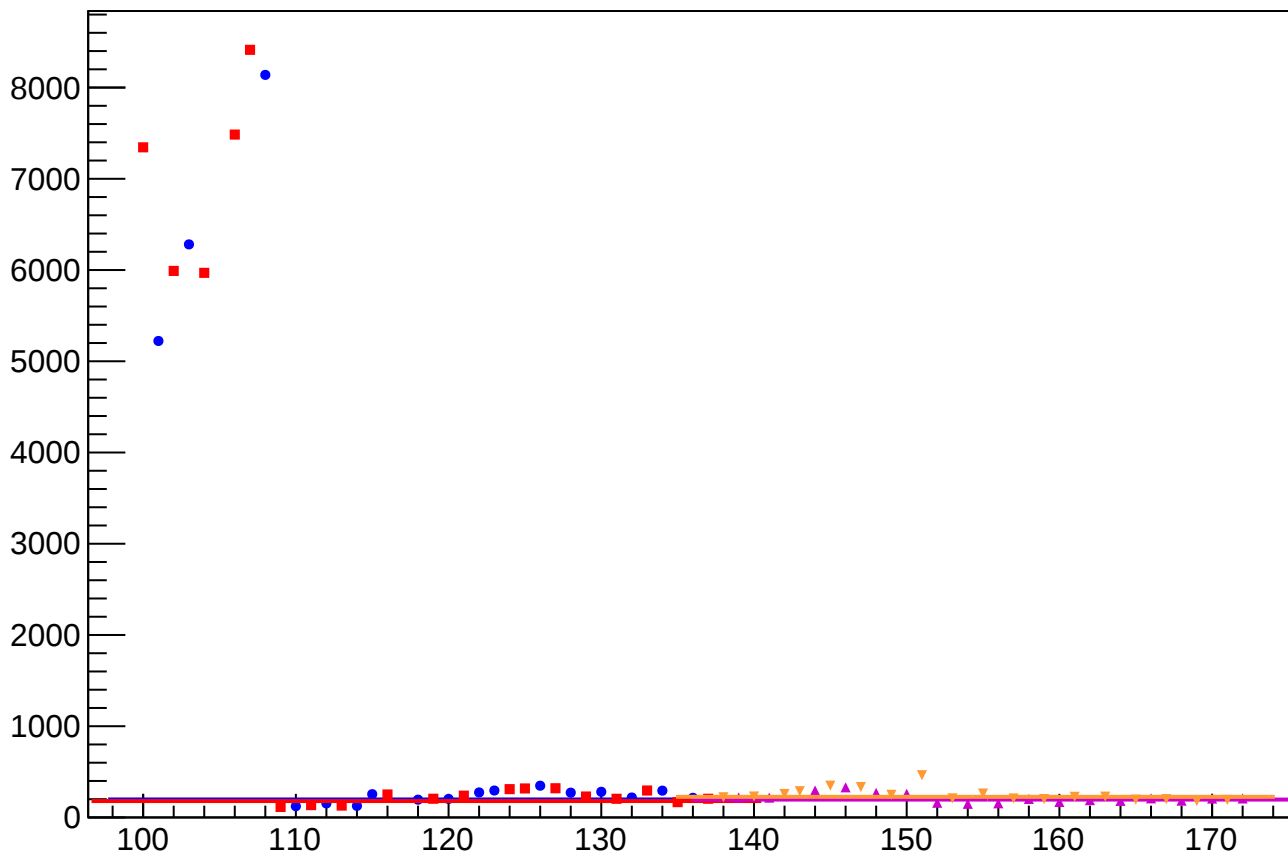
Left In: -45.046+/-56.397 χ^2/NDF : 6.8/16

+ sign 8.435+/-52.168 χ^2/NDF : 19.4/34

All: -20.669+/-34.881 χ^2/NDF : 40.6/70

- sign -44.200+/-46.908 χ^2/NDF : 20.7/35

asym_cav4cQ_rms vs Slug



Right In: 197.086 $\pm$ 0.064 χ^2 /NDF: 3693614.0/16

Left Out: 226.101 $\pm$ 0.045 χ^2 /NDF: 1108346.7/17

Right Out: 179.949 $\pm$ 0.060 χ^2 /NDF: 4321173.8/18

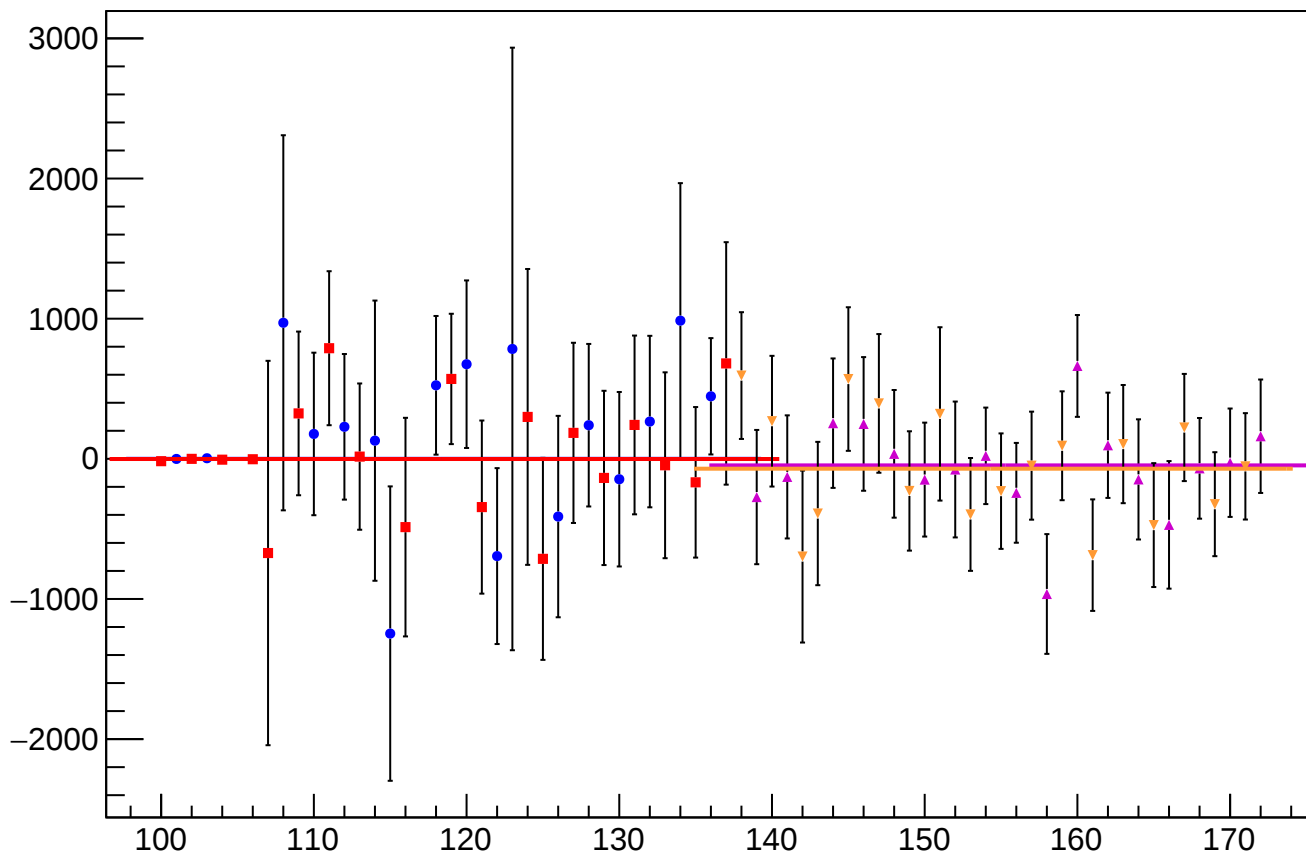
Left In: 196.028 $\pm$ 0.040 χ^2 /NDF: 1079529.4/16

+ sign 216.536 $\pm$ 0.037 χ^2 /NDF: 4938686.6/34

All: 202.457 $\pm$ 0.025 χ^2 /NDF: 10652962.7/70

- sign 191.073 $\pm$ 0.033 χ^2 /NDF: 5450805.1/35

asym_cav4dQ_mean vs Slug



Right In: -0.138 ± 1.737 χ^2/NDF : 9.7/16

Left Out: -70.489 ± 102.319 χ^2/NDF : 12.6/17

Right Out: -1.323 ± 1.623 χ^2/NDF : 9.6/18

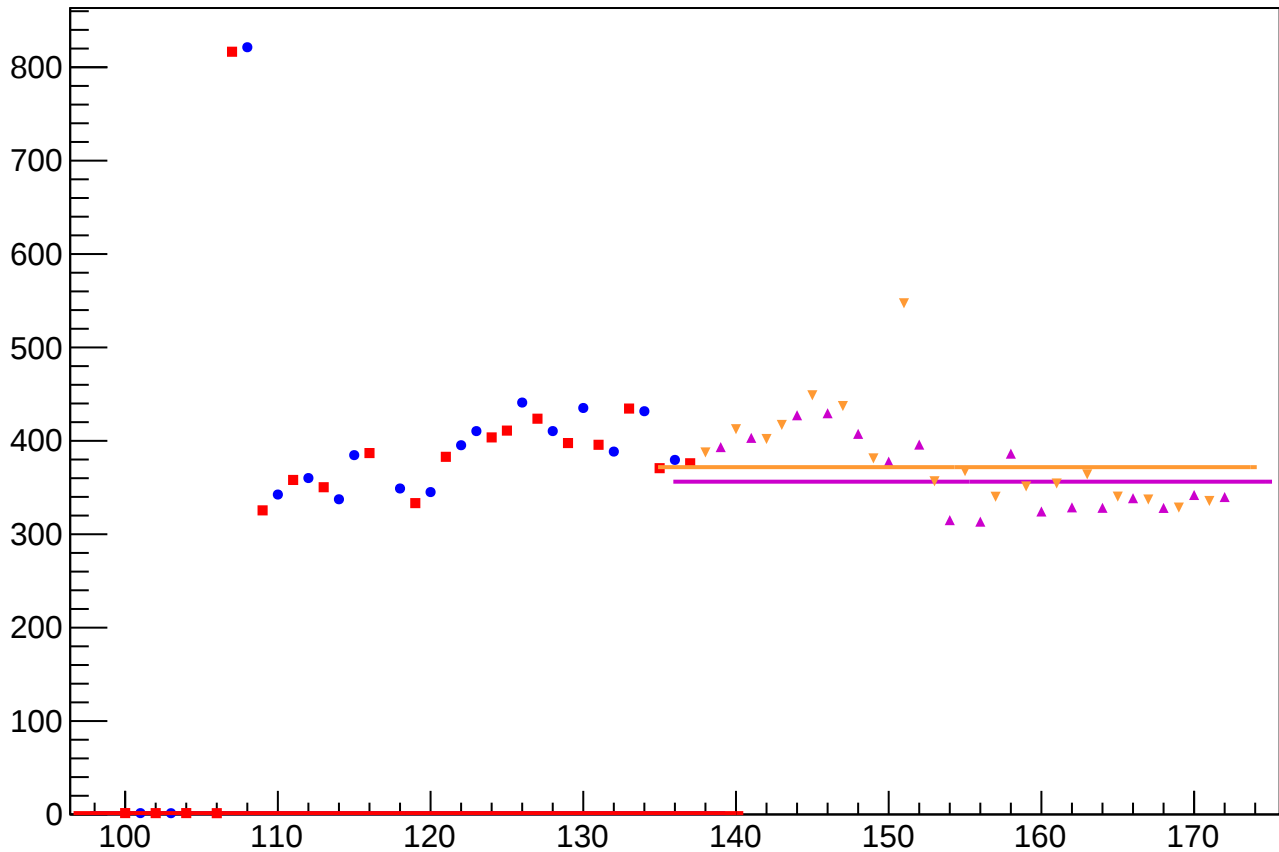
Left In: -46.860 ± 99.489 χ^2/NDF : 11.3/16

+ sign -0.158 ± 1.736 χ^2/NDF : 22.8/34

All: -0.787 ± 1.185 χ^2/NDF : 44.1/70

- sign -1.336 ± 1.622 χ^2/NDF : 21.1/35

asym_cav4dQ_rms vs Slug



Right In: 1.453+/-0.001 χ^2/NDF : 10957986.8/16

Left Out: 371.841+/-0.072 χ^2/NDF : 378863.4/17

Right Out: 1.451+/-0.001 χ^2/NDF : 10880737.7/18

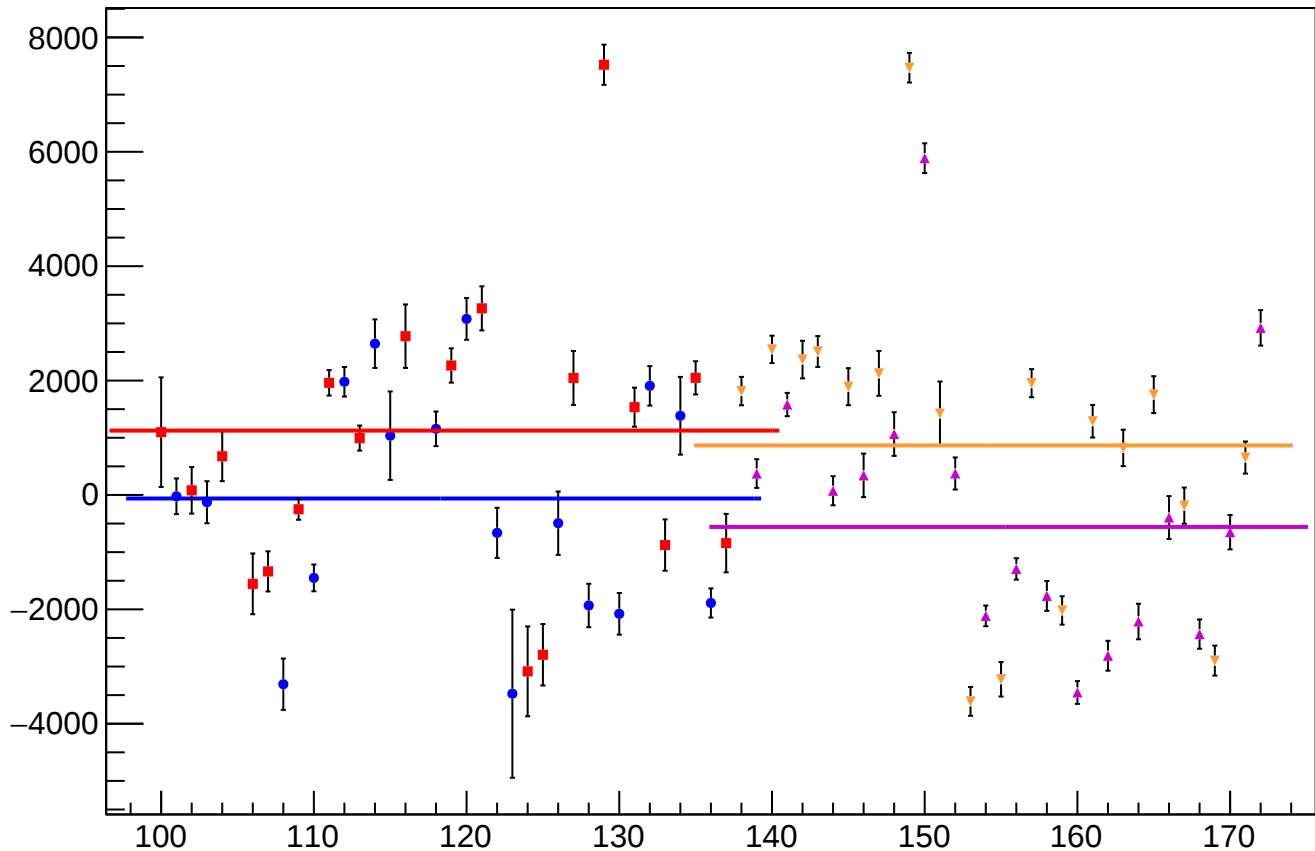
Left In: 356.278+/-0.070 χ^2/NDF : 296958.5/16

+ sign 1.559+/-0.001 χ^2/NDF : 37537286.1/34

All: 1.552+/-0.001 χ^2/NDF : 74147995.1/70

- sign 1.545+/-0.001 χ^2/NDF : 36610638.7/35

asym_bcm0l02_mean vs Slug



Right In: -62.164 ± 87.424 $\chi^2/\text{NDF}: 433.9/16$

Left Out: 866.000 ± 67.516 $\chi^2/\text{NDF}: 1678.1/17$

Right Out: 1125.437 ± 78.370 $\chi^2/\text{NDF}: 671.2/18$

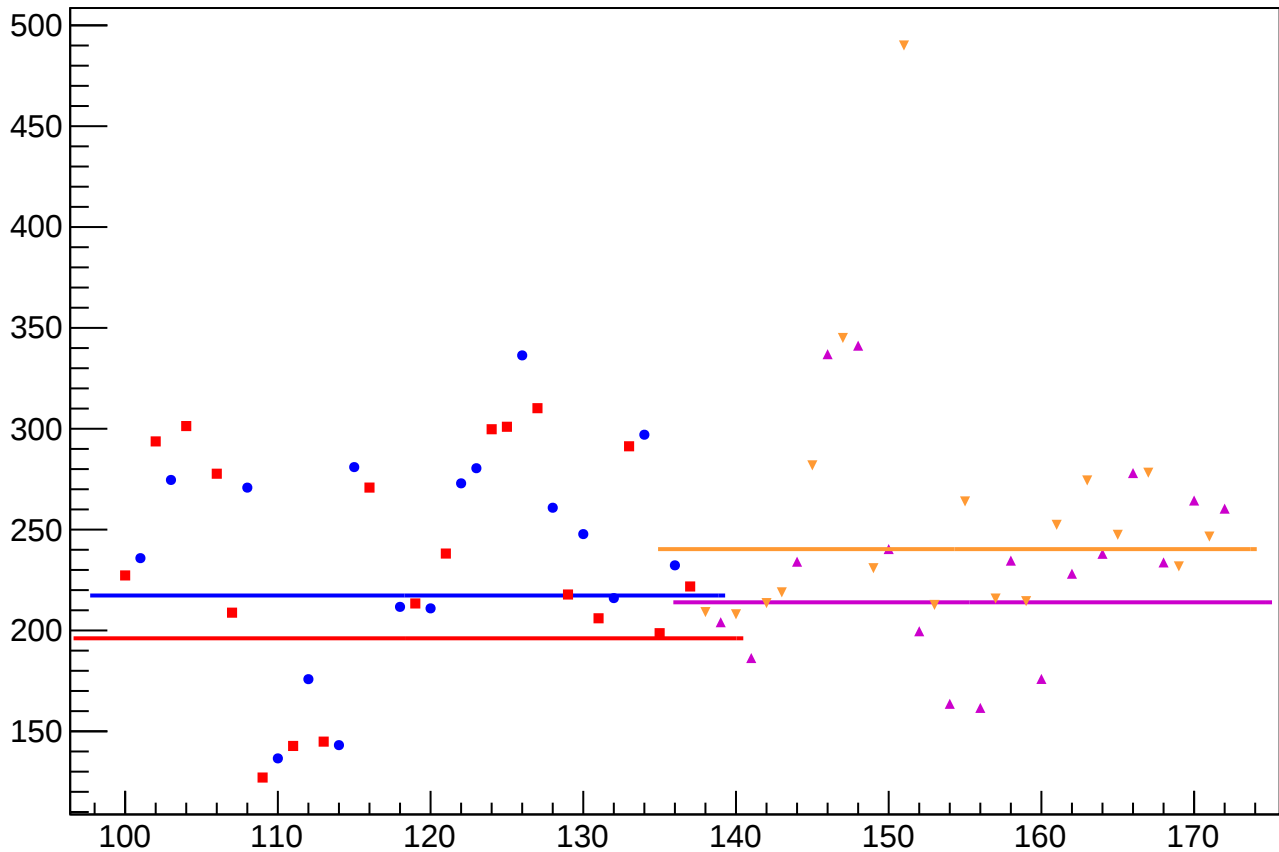
Left In: -559.398 ± 61.472 $\chi^2/\text{NDF}: 1386.6/16$

+ sign 519.241 ± 53.436 $\chi^2/\text{NDF}: 2182.7/34$

All: 279.111 ± 35.859 $\chi^2/\text{NDF}: 4563.4/70$

- sign 82.368 ± 48.368 $\chi^2/\text{NDF}: 2344.0/35$

asym_bcm0l02_rms vs Slug



Right In: 217.330 $\pm$ 0.062 χ^2 /NDF: 652722.5/16

Left Out: 240.325 $\pm$ 0.048 χ^2 /NDF: 805170.4/17

Right Out: 196.105 $\pm$ 0.055 χ^2 /NDF: 1190733.6/18

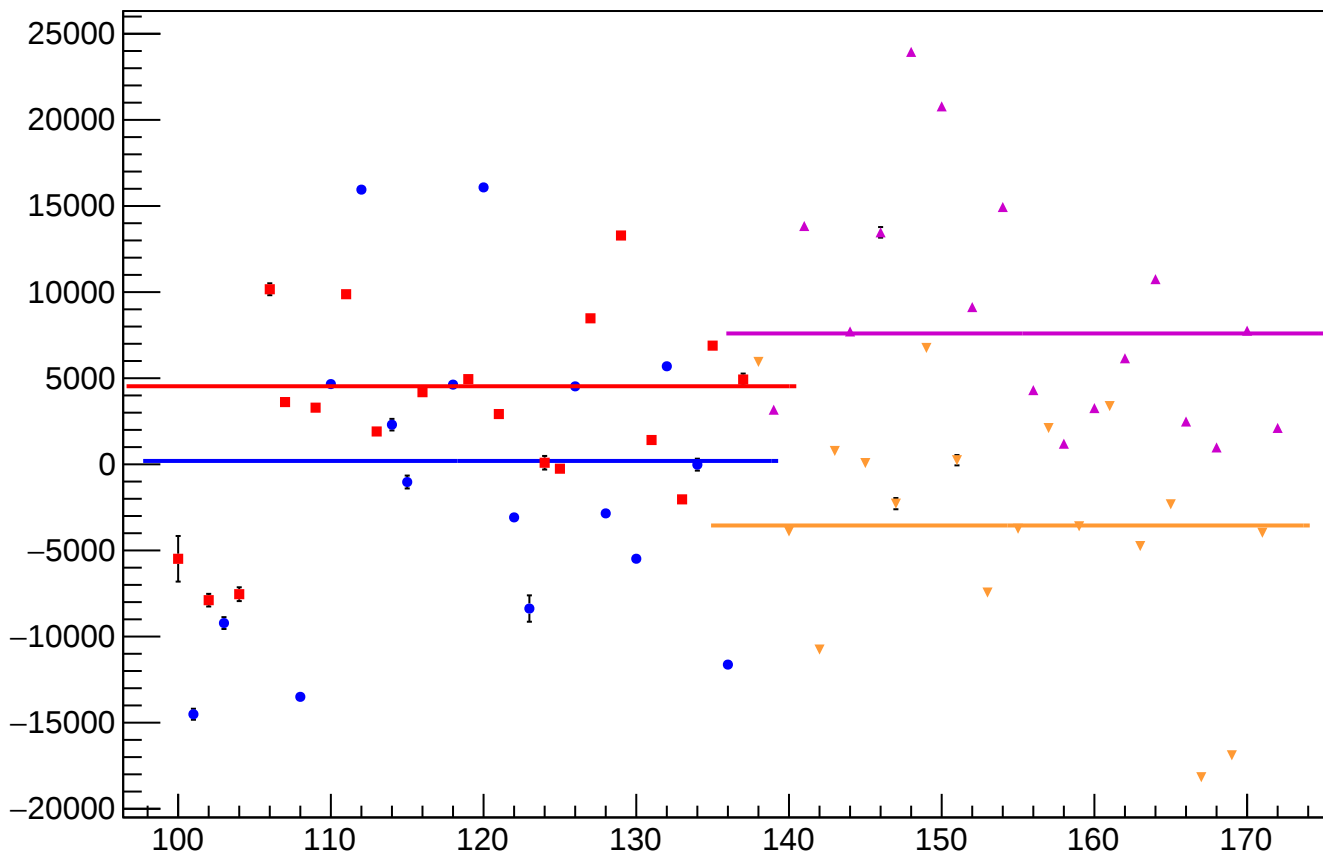
Left In: 213.953 $\pm$ 0.043 χ^2 /NDF: 1096254.0/16

+ sign 231.734 $\pm$ 0.038 χ^2 /NDF: 1544567.7/34

All: 218.224 $\pm$ 0.025 χ^2 /NDF: 4128371.5/70

- sign 207.154 $\pm$ 0.034 χ^2 /NDF: 2351203.0/35

asym_bpm0i02WS_mean vs Slug



Right In: 197.008+/-54.799 χ^2/NDF : 30658.3/16

Left Out: -3550.364+/-47.085 χ^2/NDF :19806.9/17

Right Out: 4534.200+/-52.462 χ^2/NDF : 7477.2/18

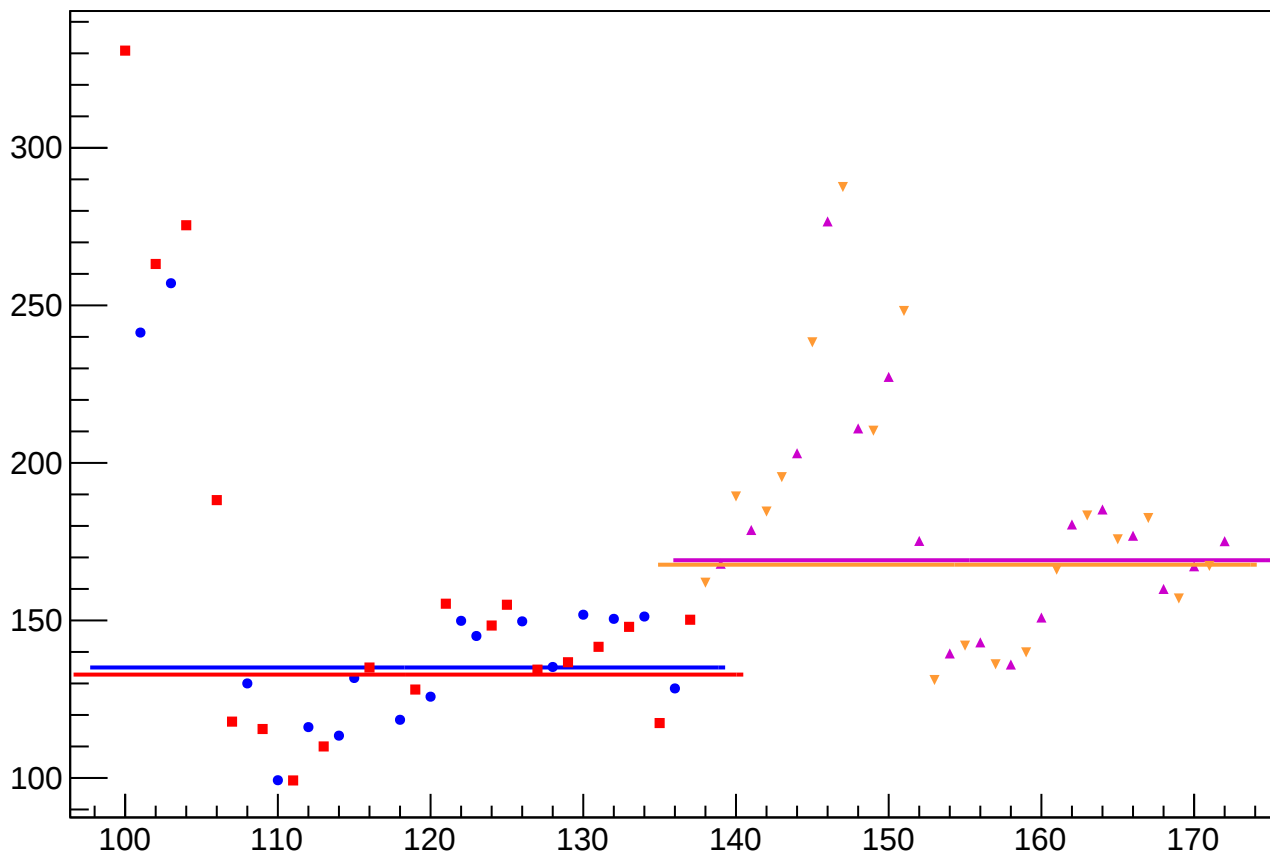
Left In: 7599.351+/-48.089 χ^2/NDF :17192.2/16

+ sign -1958.783+/-35.712 χ^2/NDF : 53155.5/34

All: 2150.668+/-25.159 χ^2/NDF : 105968.0/70

- sign 6199.807+/-35.449 χ^2/NDF : 26524.4/35

asym_bpm0i02WS_rms vs Slug



Right In: 135.072+/-0.039 χ^2/NDF : 658703.5/16

Left Out: 167.695+/-0.033 χ^2/NDF :1020786.2/17

Right Out: 132.816+/-0.037 χ^2/NDF : 831191.5/18

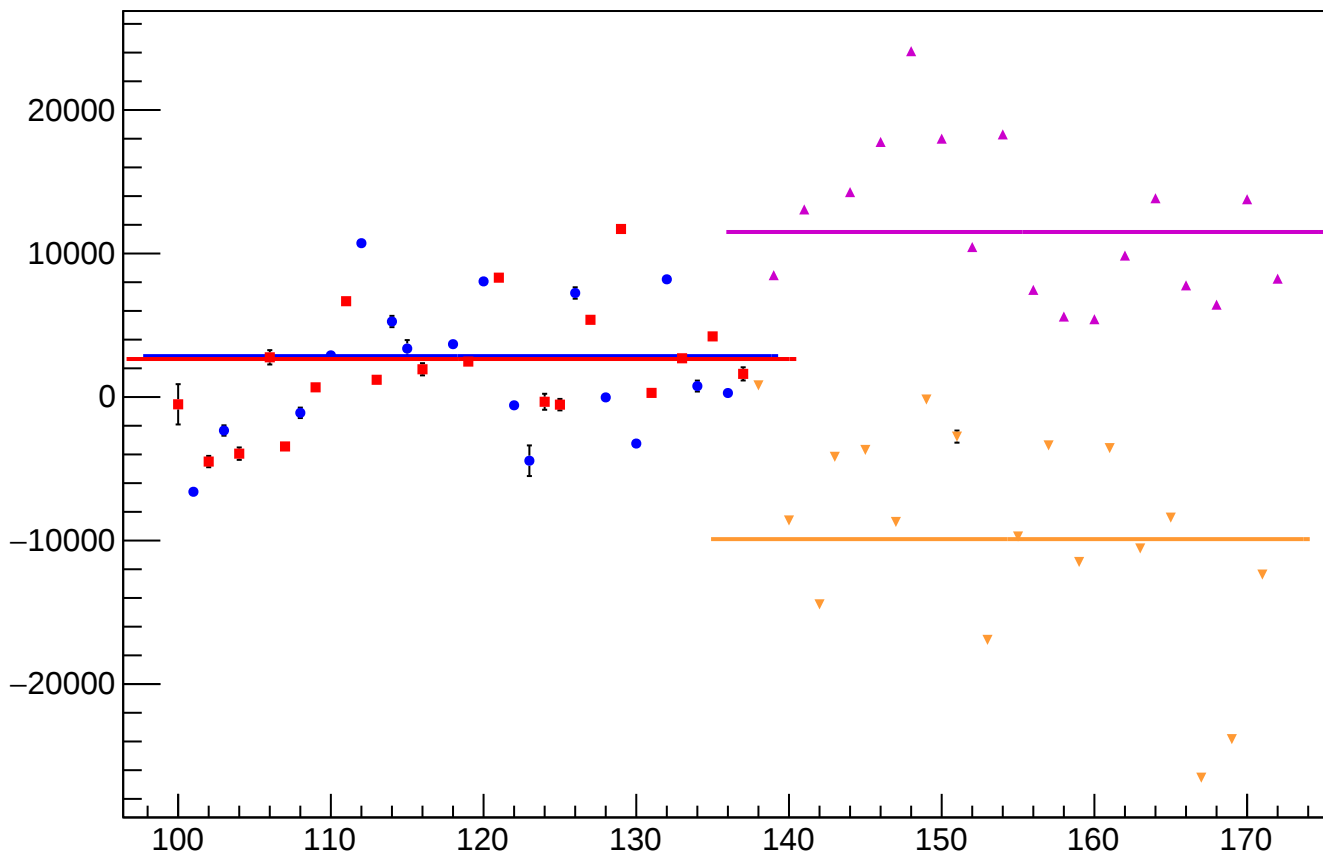
Left In: 169.110+/-0.034 χ^2/NDF :738636.3/16

+ sign 153.839+/-0.025 χ^2/NDF : 2087262.5/34

All: 153.184+/-0.018 χ^2/NDF : 4178586.0/70

- sign 152.538+/-0.025 χ^2/NDF : 2089987.2/35

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437 $\pm$ 70.753 χ^2 /NDF: 4178.1/16

Left Out: -9900.273 $\pm$ 53.180 χ^2 /NDF:21012.0/17

Right Out: 2649.142 $\pm$ 65.731 χ^2 /NDF: 3175.7/18

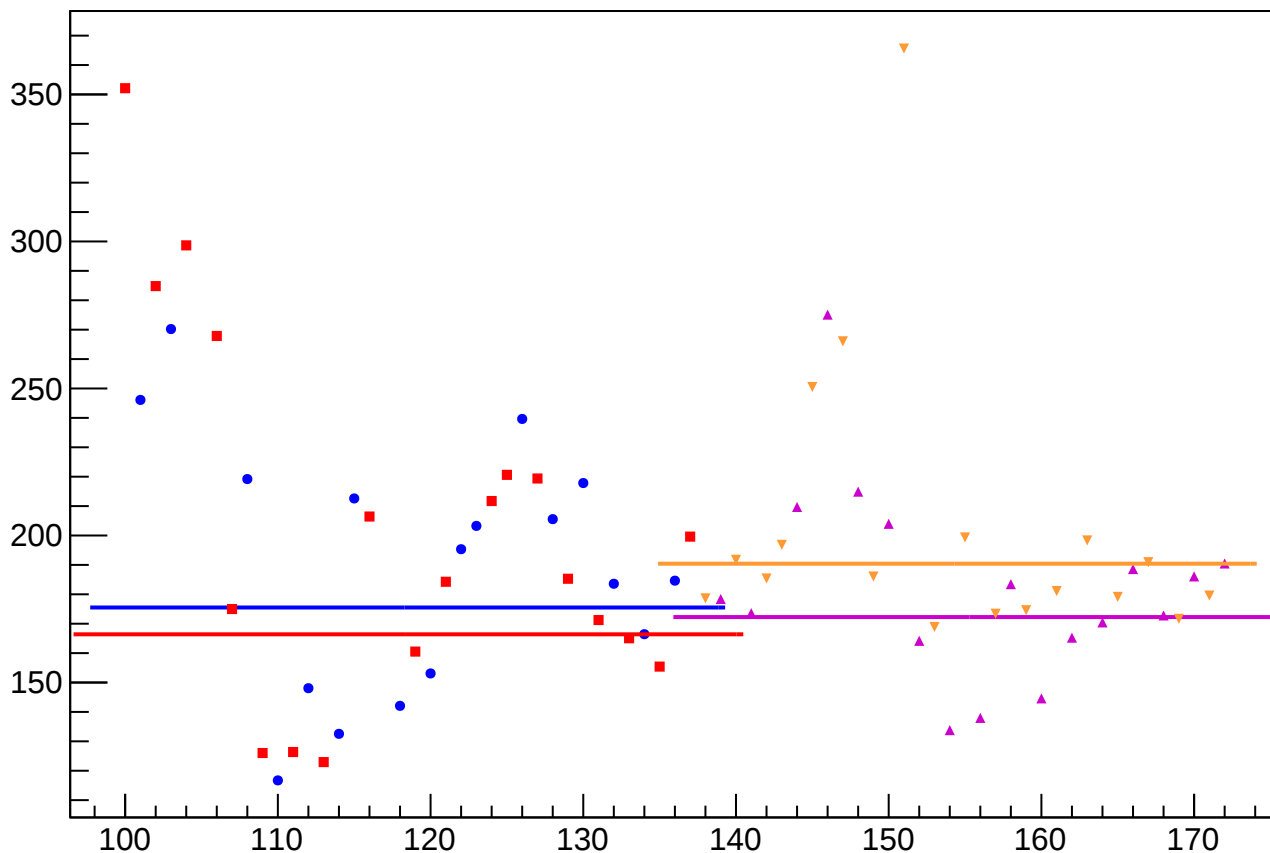
Left In: 11500.001 $\pm$ 49.042 χ^2 /NDF:10804.2/16

+ sign -5296.977 $\pm$ 42.511 χ^2 /NDF: 45946.4/34

All: 2051.944 $\pm$ 28.860 χ^2 /NDF: 127009.1/70

- sign 8334.924 $\pm$ 39.307 χ^2 /NDF: 25627.5/35

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514 $\pm$ 0.050 χ^2 /NDF: 689642.3/16

Left Out: 190.410 $\pm$ 0.038 χ^2 /NDF: 656155.6/17

Right Out: 166.393 $\pm$ 0.046 χ^2 /NDF: 929534.5/18

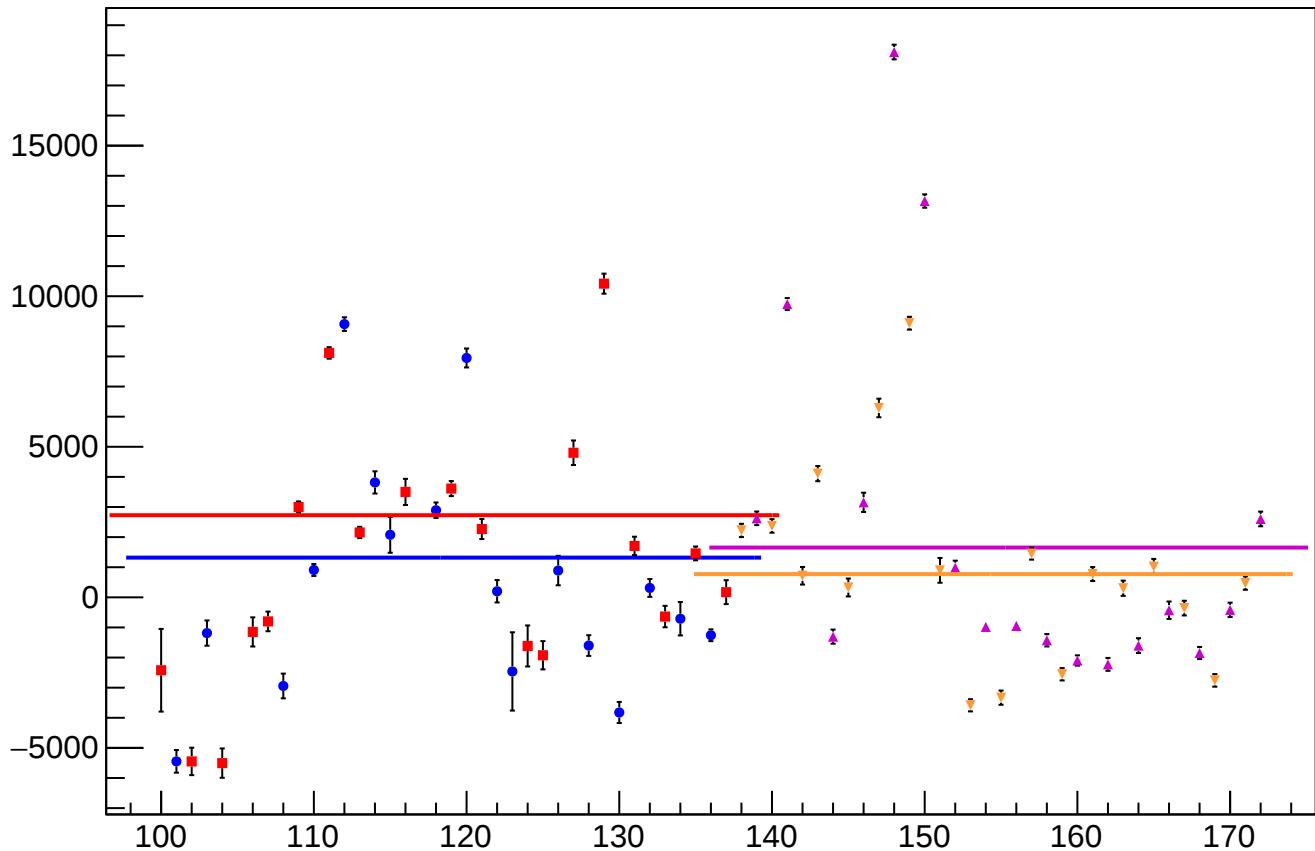
Left In: 172.262 $\pm$ 0.035 χ^2 /NDF: 710439.7/16

+ sign 185.033 $\pm$ 0.030 χ^2 /NDF: 1402443.7/34

All: 177.017 $\pm$ 0.020 χ^2 /NDF: 3184576.6/70

- sign 170.163 $\pm$ 0.028 χ^2 /NDF: 1650218.2/35

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009 $\pm$ 77.146 χ^2 /NDF: 2667.0/16

Left Out: 771.369 $\pm$ 56.147 χ^2 /NDF:3467.1/17

Right Out: 2727.798 $\pm$ 70.029 χ^2 /NDF: 2495.9/18

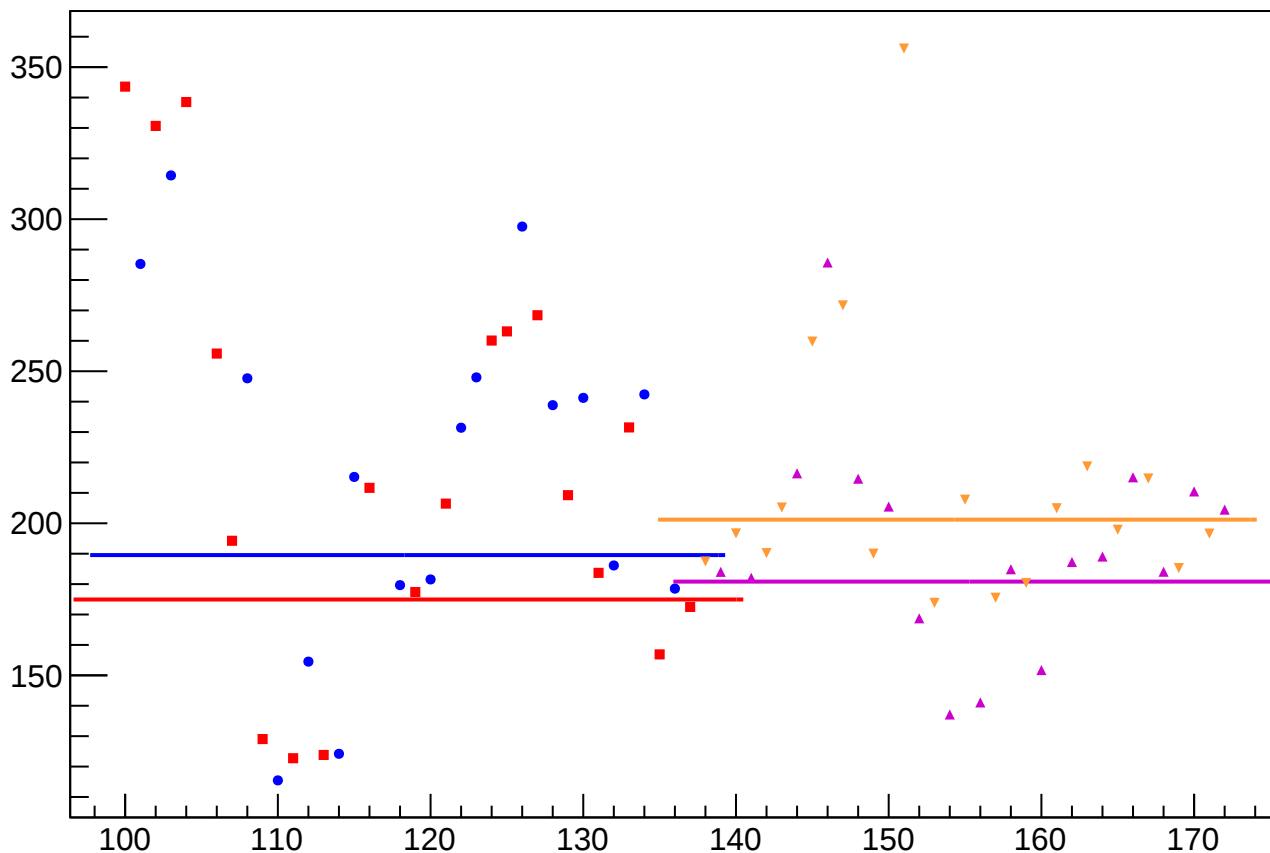
Left In: 1652.600 $\pm$ 51.553 χ^2 /NDF:11302.8/16

+ sign 961.006 $\pm$ 45.397 χ^2 /NDF: 6167.0/34

All: 1543.402 $\pm$ 30.637 χ^2 /NDF: 20420.8/70

- sign 2030.497 $\pm$ 41.517 χ^2 /NDF: 13951.6/35

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 $\pm$ 0.055 χ^2 /NDF: 980744.6/16

Left Out: 201.202 $\pm$ 0.040 χ^2 /NDF: 601848.4/17

Right Out: 174.944 $\pm$ 0.050 χ^2 /NDF: 1297106.6/18

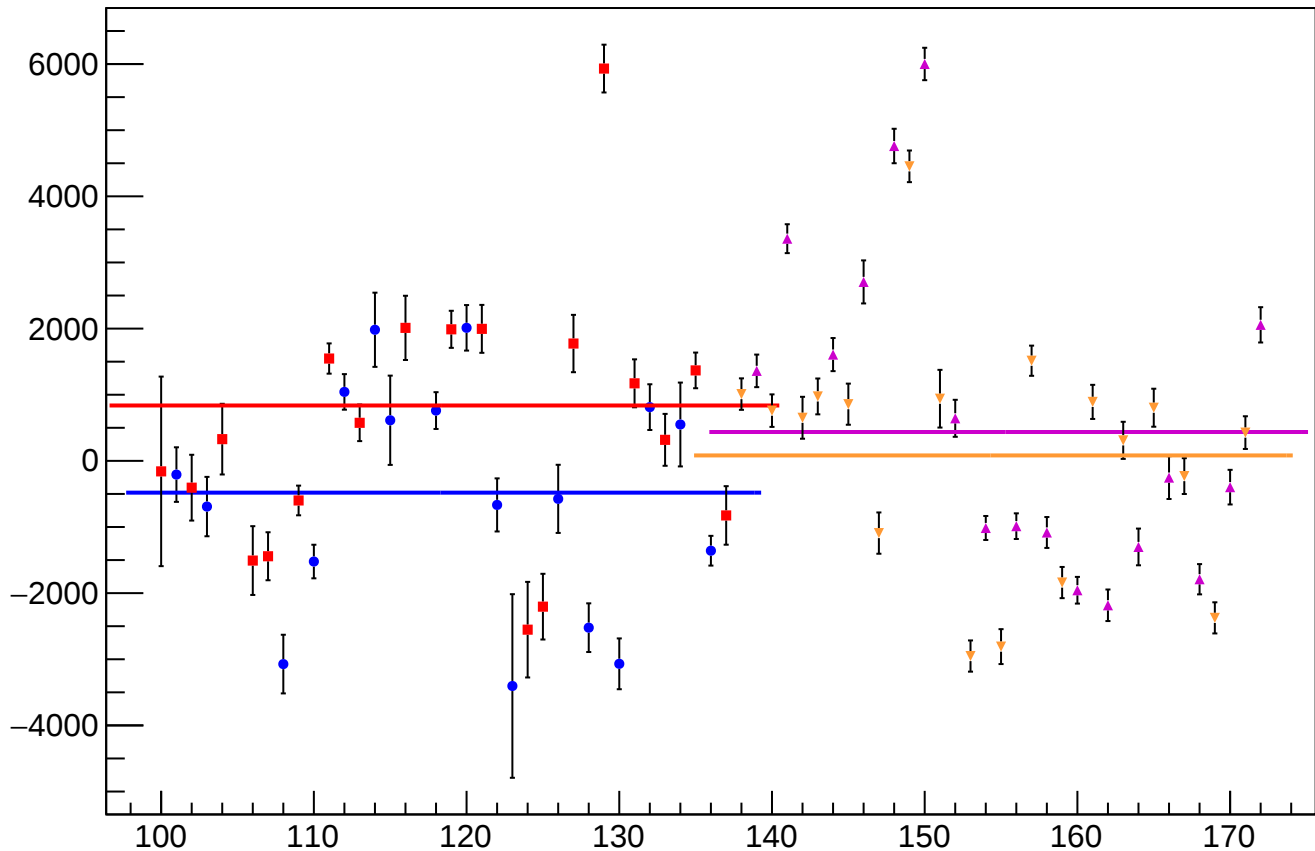
Left In: 180.823 $\pm$ 0.036 χ^2 /NDF: 757073.6/16

+ sign 197.165 $\pm$ 0.032 χ^2 /NDF: 1612445.8/34

All: 187.140 $\pm$ 0.022 χ^2 /NDF: 3854855.1/70

- sign 178.756 $\pm$ 0.029 χ^2 /NDF: 2063321.3/35

asym_bpm0i07WS_mean vs Slug



Right In: -480.578 ± 88.640 χ^2/NDF : 290.7/16

Left Out: 82.318 ± 62.201 χ^2/NDF : 914.7/17

Right Out: 837.442 ± 82.243 χ^2/NDF : 435.3/18

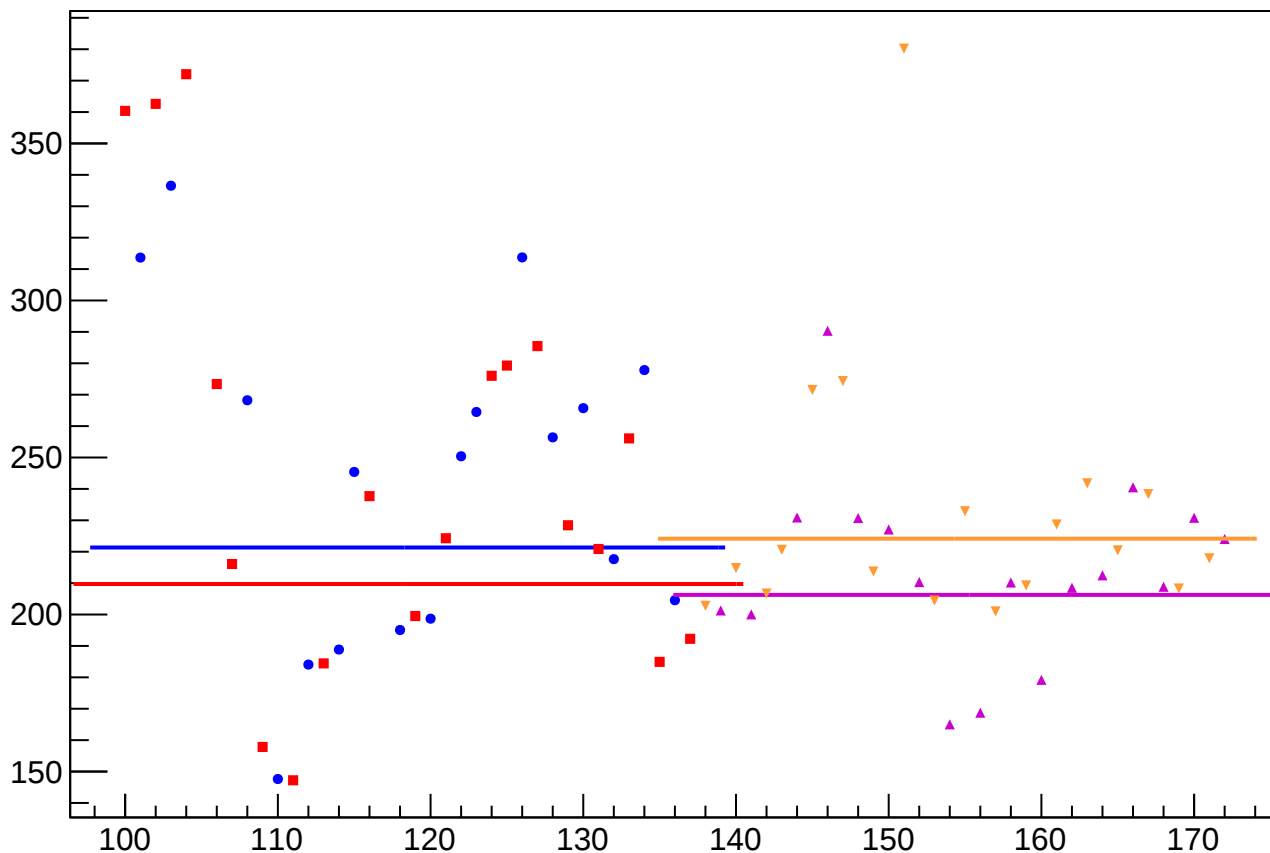
Left In: 436.447 ± 58.251 χ^2/NDF : 1662.6/16

+ sign -103.407 ± 50.916 χ^2/NDF : 1232.5/34

All: 256.608 ± 34.746 χ^2/NDF : 3439.8/70

- sign 570.406 ± 47.535 χ^2/NDF : 2113.7/35

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 224.152 $\pm$ 0.044 χ^2 /NDF: 452663.1/17

Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

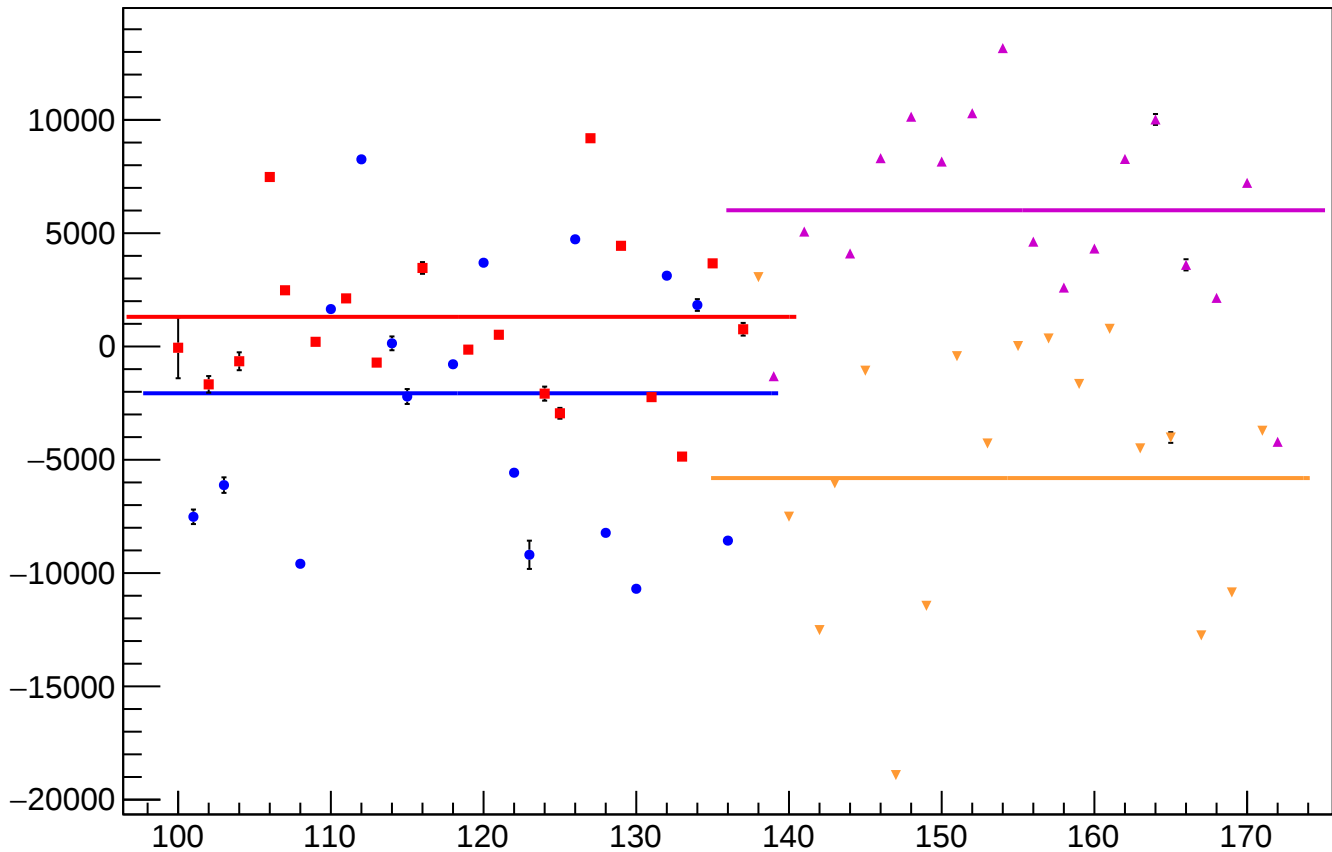
Left In: 206.253 $\pm$ 0.041 χ^2 /NDF: 452900.9/16

+ sign 223.225 $\pm$ 0.036 χ^2 /NDF: 1099698.1/34

All: 214.775 $\pm$ 0.025 χ^2 /NDF: 2541975.6/70

- sign 207.410 $\pm$ 0.034 χ^2 /NDF: 1339180.7/35

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 $\chi^2/\text{NDF}: 16533.3/16$

Left Out: -5807.080 ± 36.075 $\chi^2/\text{NDF}: 30142.5/17$

Right Out: 1308.512 ± 45.001 $\chi^2/\text{NDF}: 5894.4/18$

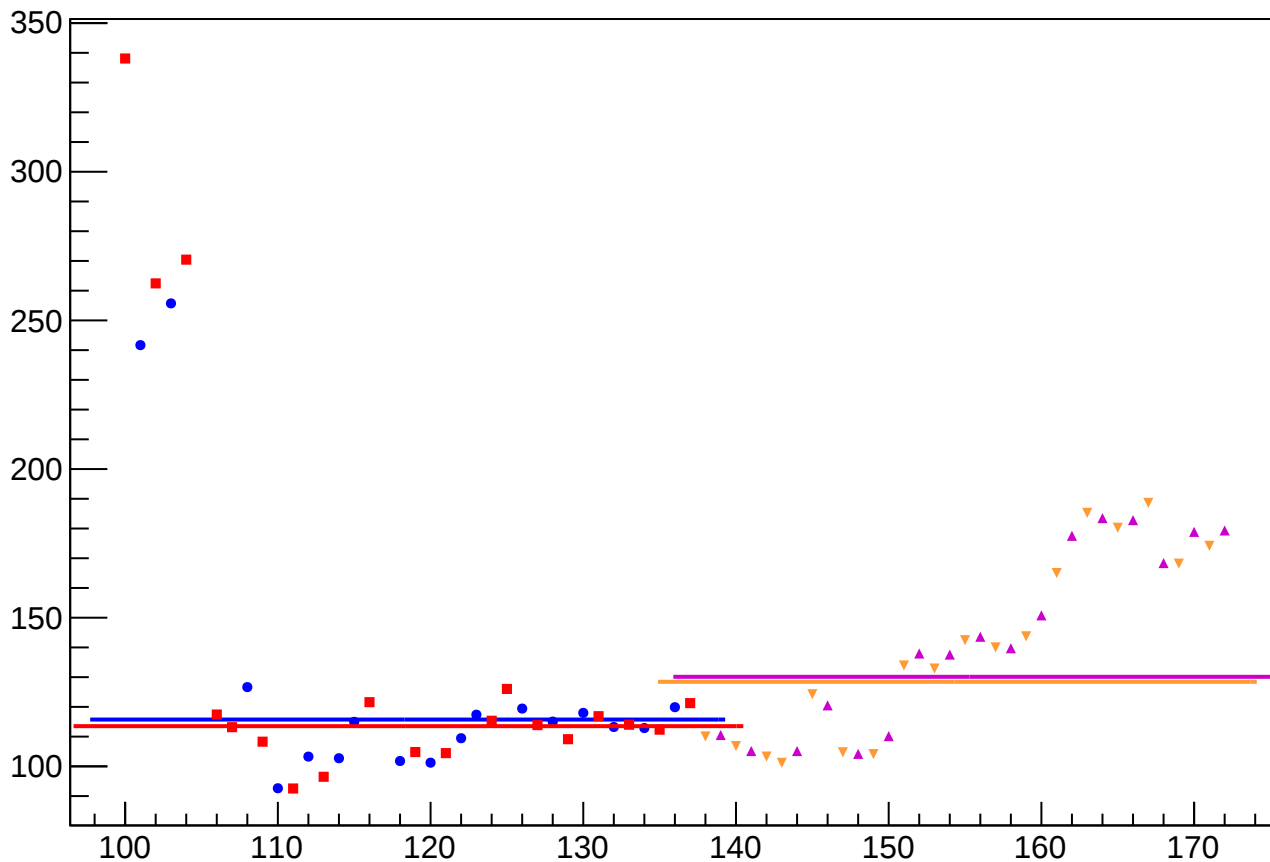
Left In: 6011.899 ± 36.873 $\chi^2/\text{NDF}: 12005.0/16$

+ sign -4431.752 ± 28.689 $\chi^2/\text{NDF}: 50630.3/34$

All: -129.451 ± 20.227 $\chi^2/\text{NDF}: 119779.9/70$

- sign 4122.591 ± 28.521 $\chi^2/\text{NDF}: 24435.2/35$

asym_bpm1i02WS_rms vs Slug



Right In: 115.741+/-0.033 χ^2/NDF : 744017.7/16

Left Out: 128.441+/-0.026 χ^2/NDF : 1125852.0/17

Right Out: 113.519+/-0.032 χ^2/NDF : 796640.6/18

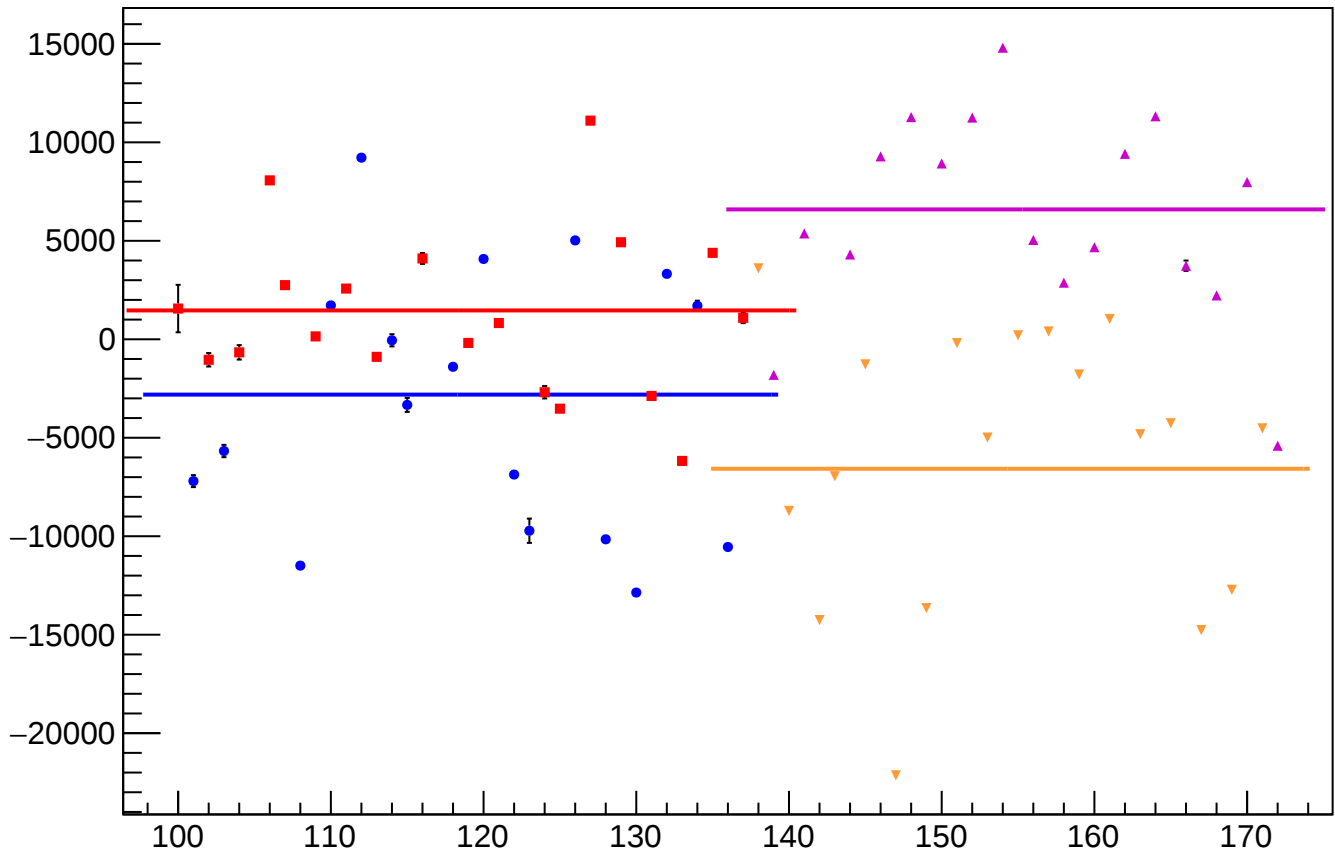
Left In: 130.115+/-0.026 χ^2/NDF : 1059627.3/16

+ sign 123.773+/-0.020 χ^2/NDF : 1960974.7/34

All: 123.610+/-0.014 χ^2/NDF : 3980111.1/70

- sign 123.448+/-0.020 χ^2/NDF : 2019007.8/35

asym_bpm2i01WS_mean vs Slug



Right In: -2809.101 ± 48.284 χ^2/NDF : 21263.1/16

Left Out: -6573.995 ± 38.304 χ^2/NDF : 36468.7/17

Right Out: 1465.074 ± 46.394 χ^2/NDF : 8004.7/18

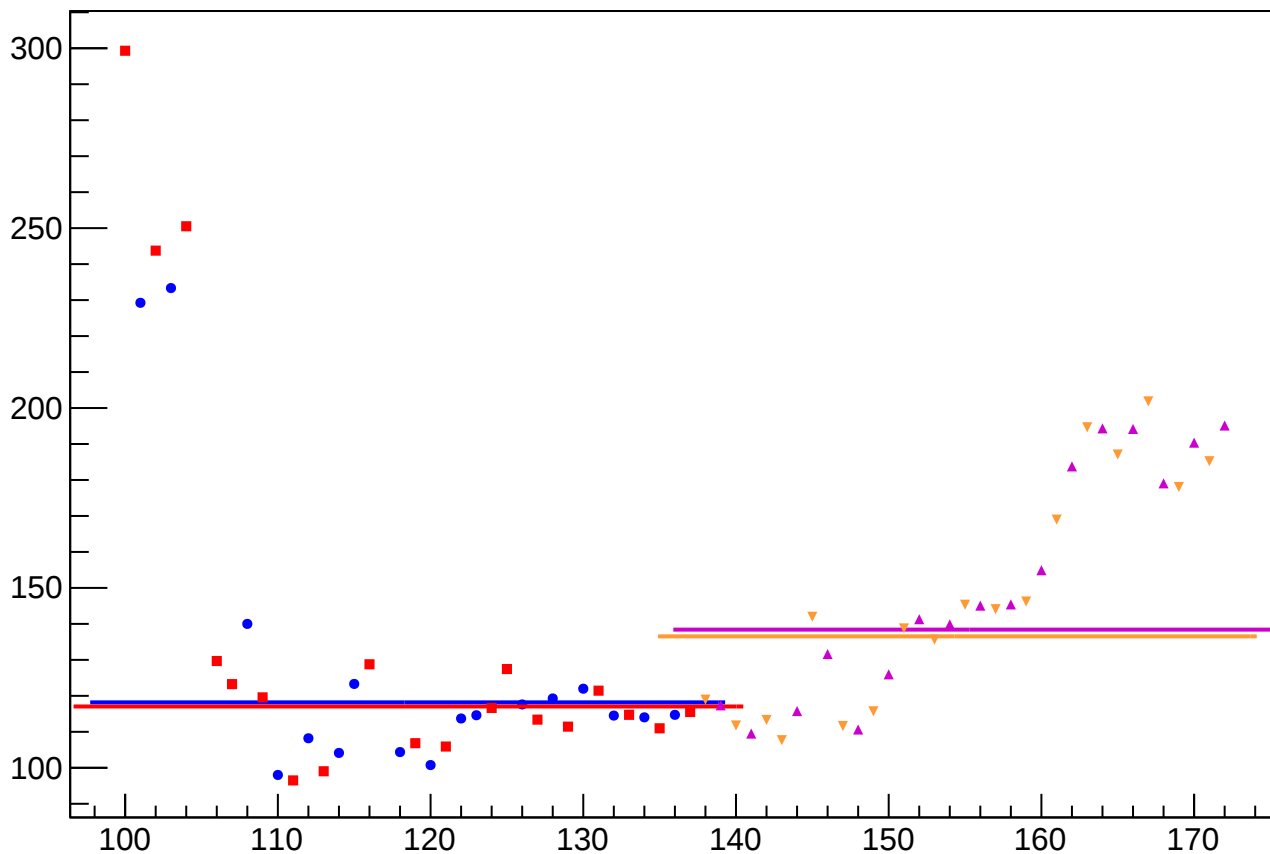
Left In: 6594.887 ± 39.191 χ^2/NDF : 14112.4/16

+ sign -5119.820 ± 30.008 χ^2/NDF : 61463.4/34

All: -319.474 ± 21.194 χ^2/NDF : 141776.5/70

- sign 4458.703 ± 29.939 χ^2/NDF : 29251.7/35

asym_bpm2i01WS_rms vs Slug



Right In: 118.188+/-0.034 χ^2/NDF : 636252.0/16

Left Out: 136.532+/-0.027 χ^2/NDF :1007774.7/17

Right Out: 117.046+/-0.033 χ^2/NDF : 690635.5/18

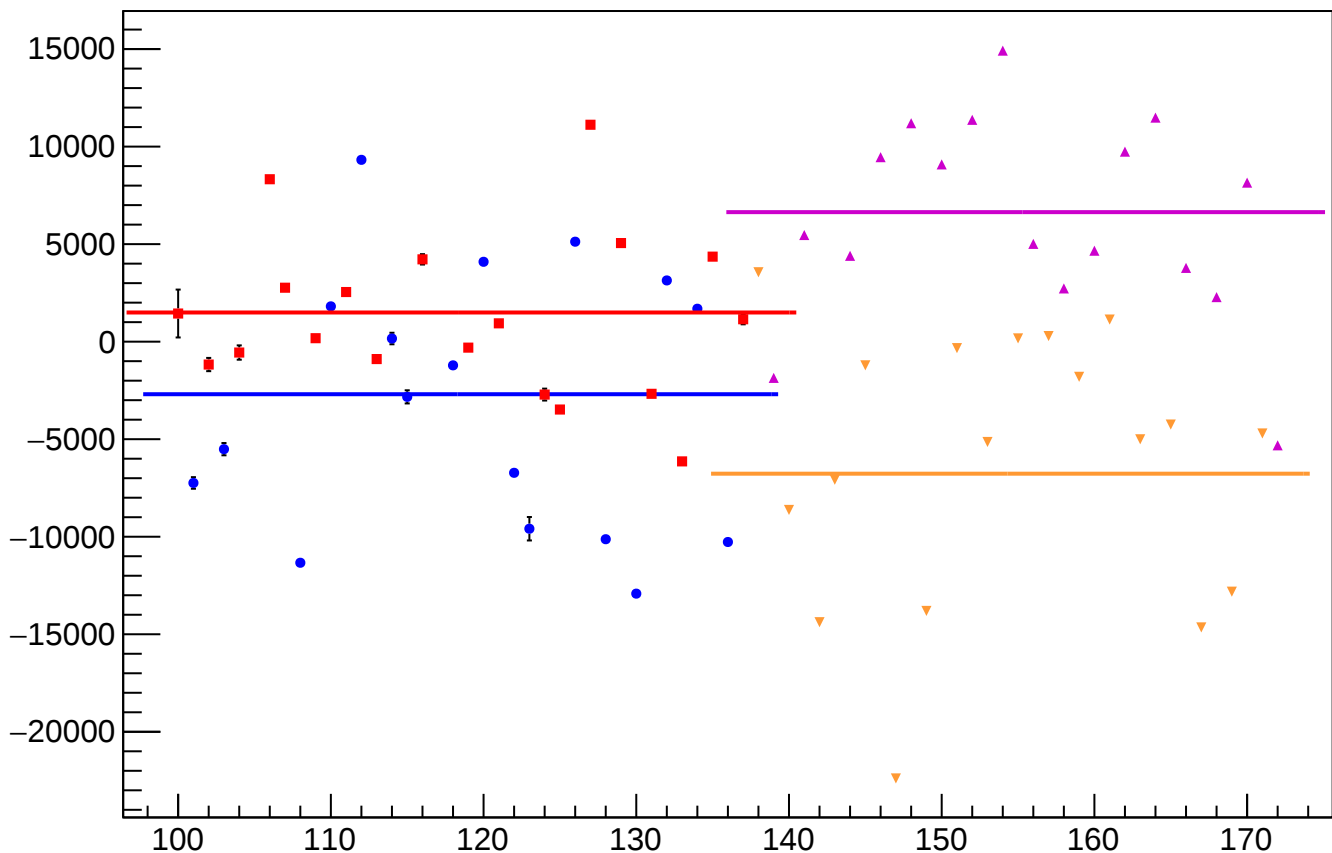
Left In: 138.409+/-0.028 χ^2/NDF :966244.5/16

+ sign 129.447+/-0.021 χ^2/NDF : 1821199.0/34

All: 129.480+/-0.015 χ^2/NDF : 3725563.5/70

- sign 129.513+/-0.021 χ^2/NDF : 1904359.7/35

asym_bpm2i02WS_mean vs Slug



Right In: -2694.260 ± 46.347 $\chi^2/\text{NDF}: 22860.3/16$

Left Out: -6768.249 ± 37.397 $\chi^2/\text{NDF}: 39598.4/17$

Right Out: 1495.744 ± 44.445 $\chi^2/\text{NDF}: 8717.2/18$

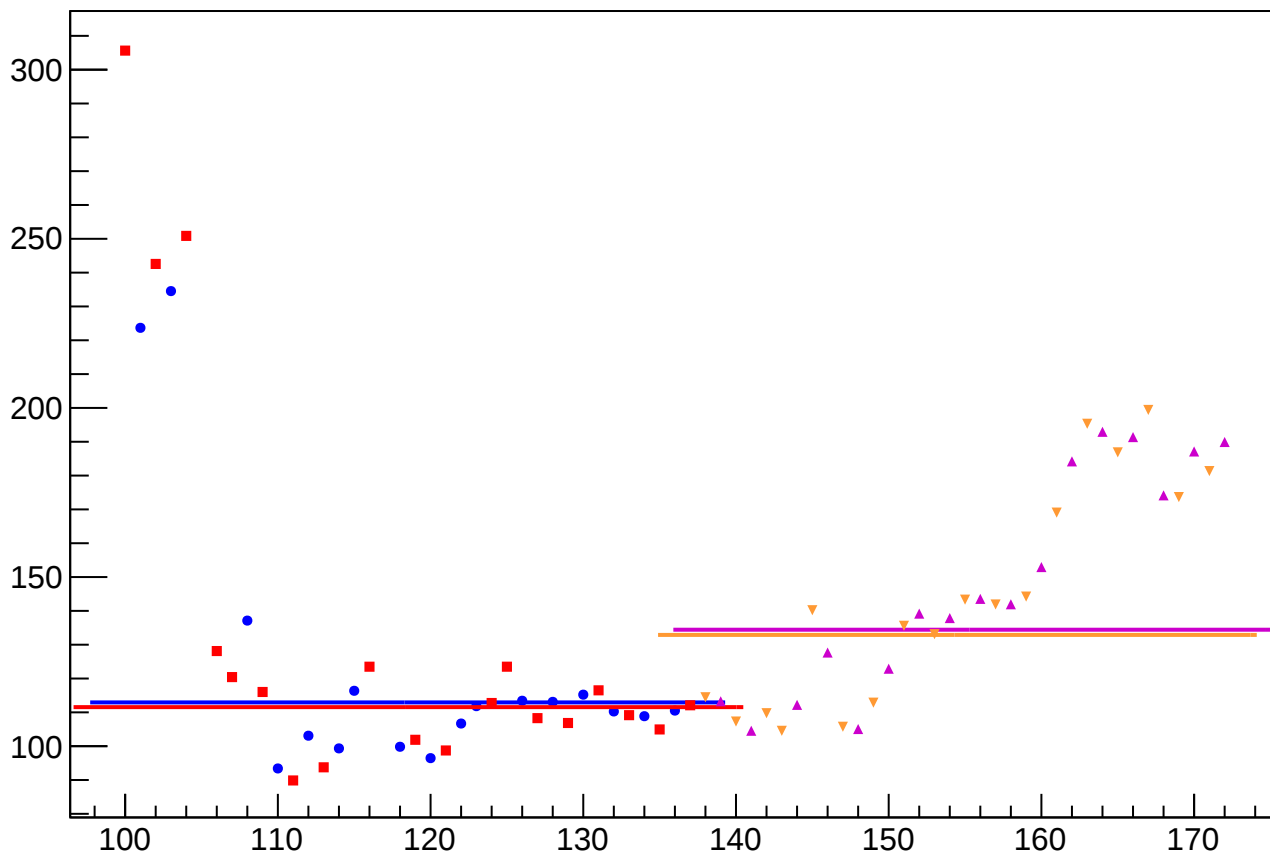
Left In: 6640.344 ± 38.178 $\chi^2/\text{NDF}: 15111.8/16$

+ sign -5161.755 ± 29.104 $\chi^2/\text{NDF}: 67138.6/34$

All: -329.060 ± 20.529 $\chi^2/\text{NDF}: 153550.3/70$

- sign 4456.024 ± 28.960 $\chi^2/\text{NDF}: 31538.7/35$

asym_bpm2i02WS_rms vs Slug



Right In: 112.940 $\pm$ 0.033 χ^2 /NDF: 680283.1/16

Left Out: 132.893 $\pm$ 0.026 χ^2 /NDF:1120318.1/17

Right Out: 111.544 $\pm$ 0.031 χ^2 /NDF: 765502.6/18

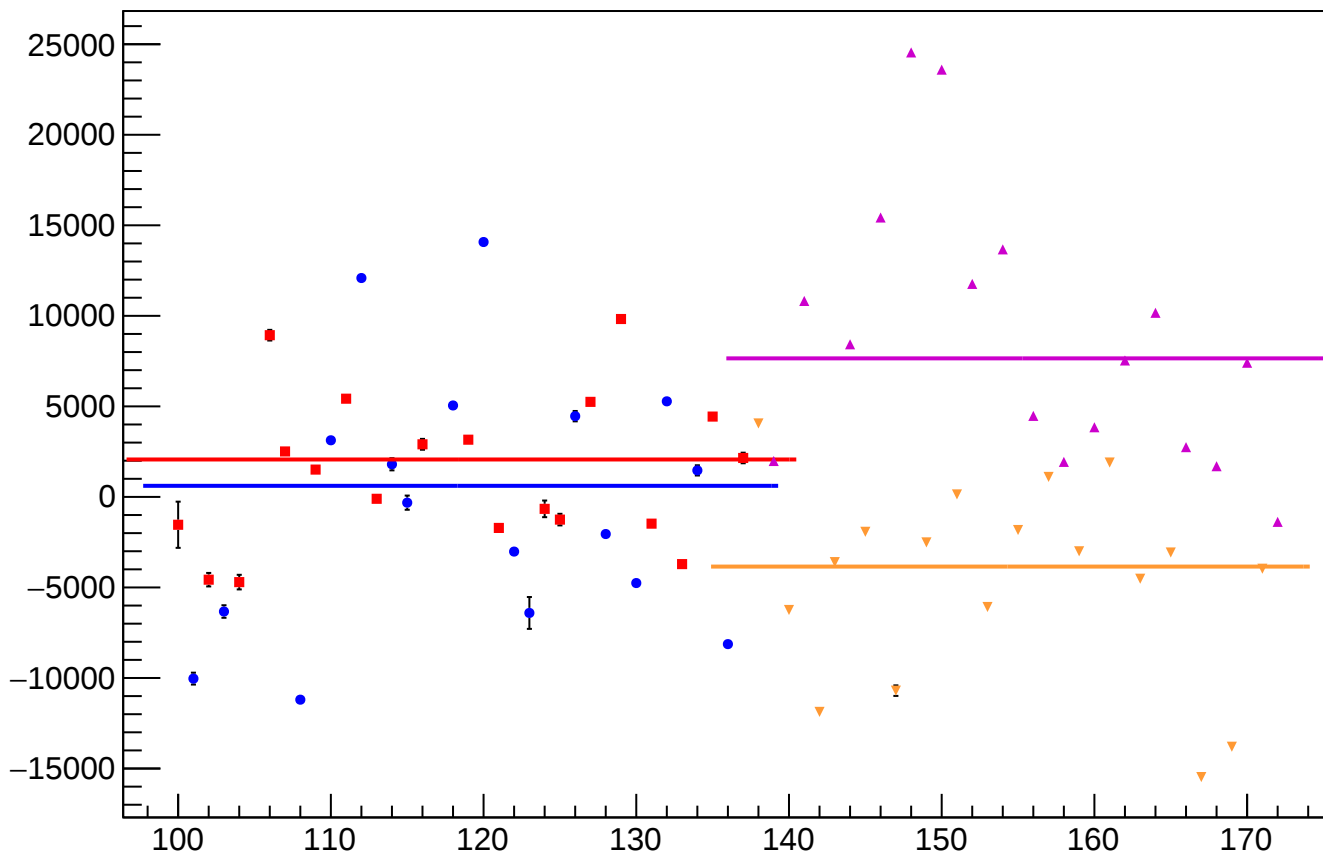
Left In: 134.431 $\pm$ 0.027 χ^2 /NDF:1068225.3/16

+ sign 125.025 $\pm$ 0.021 χ^2 /NDF: 2025106.0/34

All: 124.869 $\pm$ 0.015 χ^2 /NDF: 4164140.3/70

- sign 124.713 $\pm$ 0.020 χ^2 /NDF: 2138918.9/35

asym_bpm0i01WS_mean vs Slug



Right In: 612.621 ± 56.062 $\chi^2/\text{NDF}: 18243.4/16$

Left Out: -3847.231 ± 43.708 $\chi^2/\text{NDF}: 13560.2/17$

Right Out: 2067.410 ± 53.931 $\chi^2/\text{NDF}: 4642.7/18$

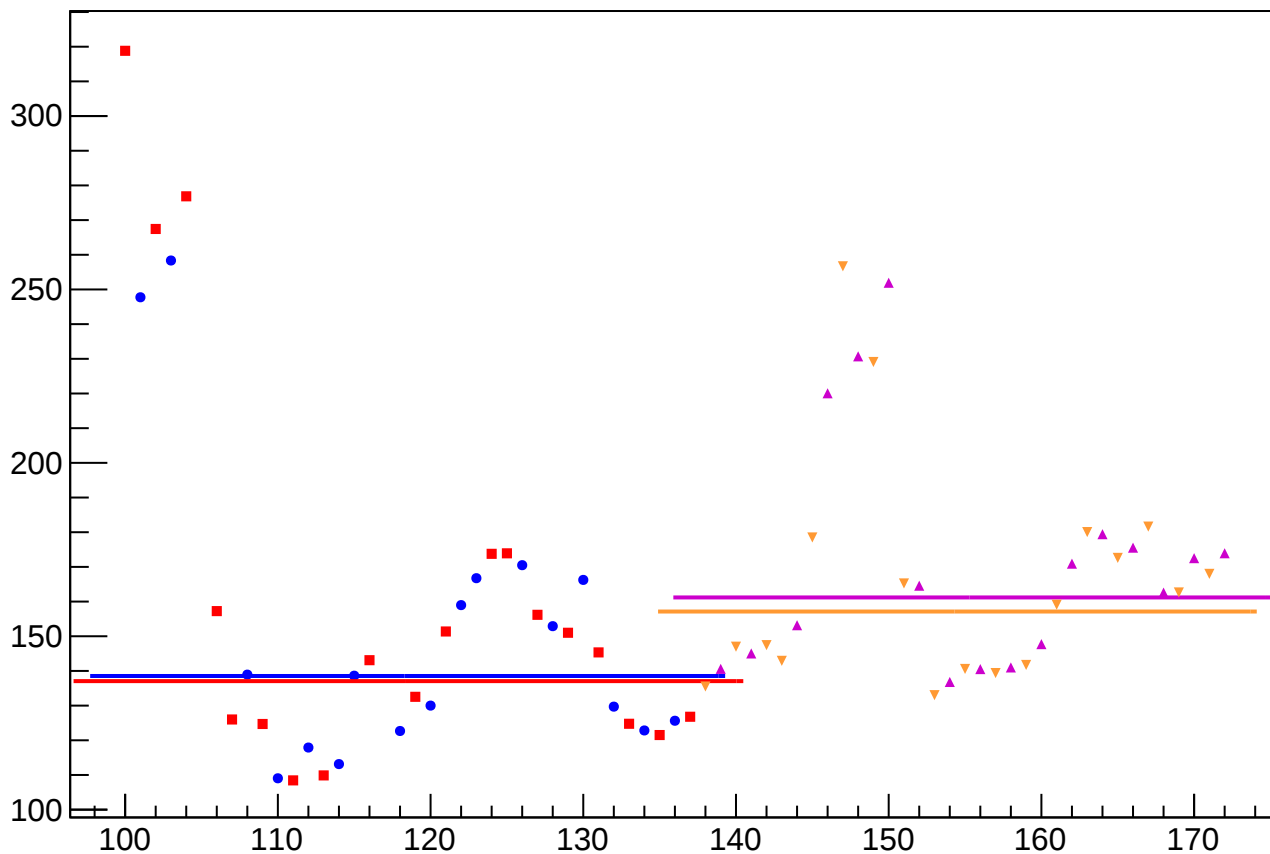
Left In: 7651.277 ± 45.397 $\chi^2/\text{NDF}: 18004.5/16$

+ sign -2161.215 ± 34.470 $\chi^2/\text{NDF}: 35739.7/34$

All: 1558.898 ± 24.465 $\chi^2/\text{NDF}: 88133.6/70$

- sign 5335.551 ± 34.731 $\chi^2/\text{NDF}: 28921.5/35$

asym_bpm0i01WS_rms vs Slug



Right In: 138.542 $\pm$ 0.040 χ^2 /NDF: 668941.7/16

Left Out: 157.131 $\pm$ 0.031 χ^2 /NDF: 665803.4/17

Right Out: 137.061 $\pm$ 0.038 χ^2 /NDF: 755491.9/18

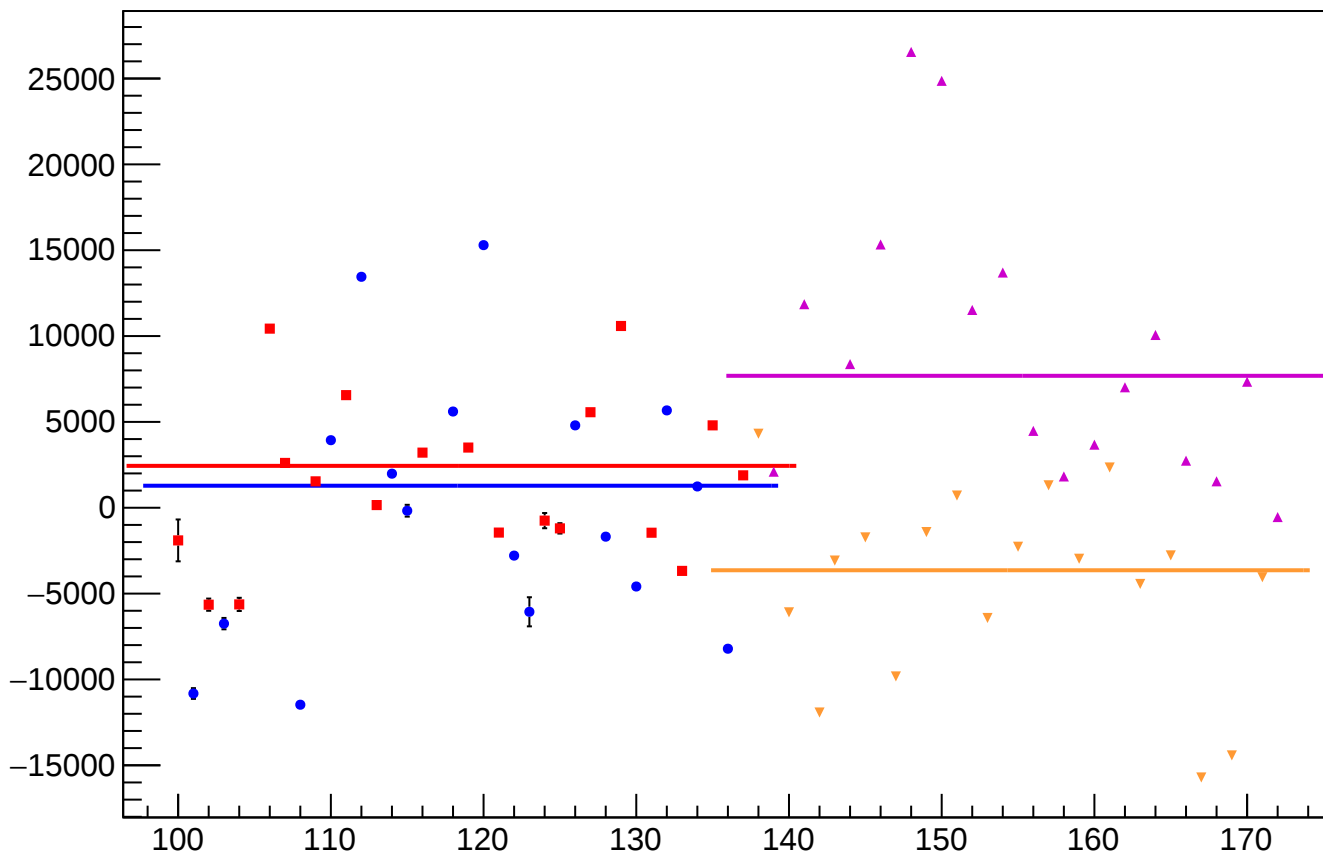
Left In: 161.191 $\pm$ 0.032 χ^2 /NDF: 705847.2/16

+ sign 150.103 $\pm$ 0.024 χ^2 /NDF: 1471509.7/34

All: 150.639 $\pm$ 0.017 χ^2 /NDF: 3168161.6/70

- sign 151.184 $\pm$ 0.025 χ^2 /NDF: 1695677.0/35

asym_bpm0i01aWS_mean vs Slug



Right In: 1282.978+/-46.572 χ^2/NDF : 30540.8/16

Left Out: -3640.773+/-39.131 χ^2/NDF : 17849.5/17

Right Out: 2440.256+/-44.286 χ^2/NDF : 7677.5/18

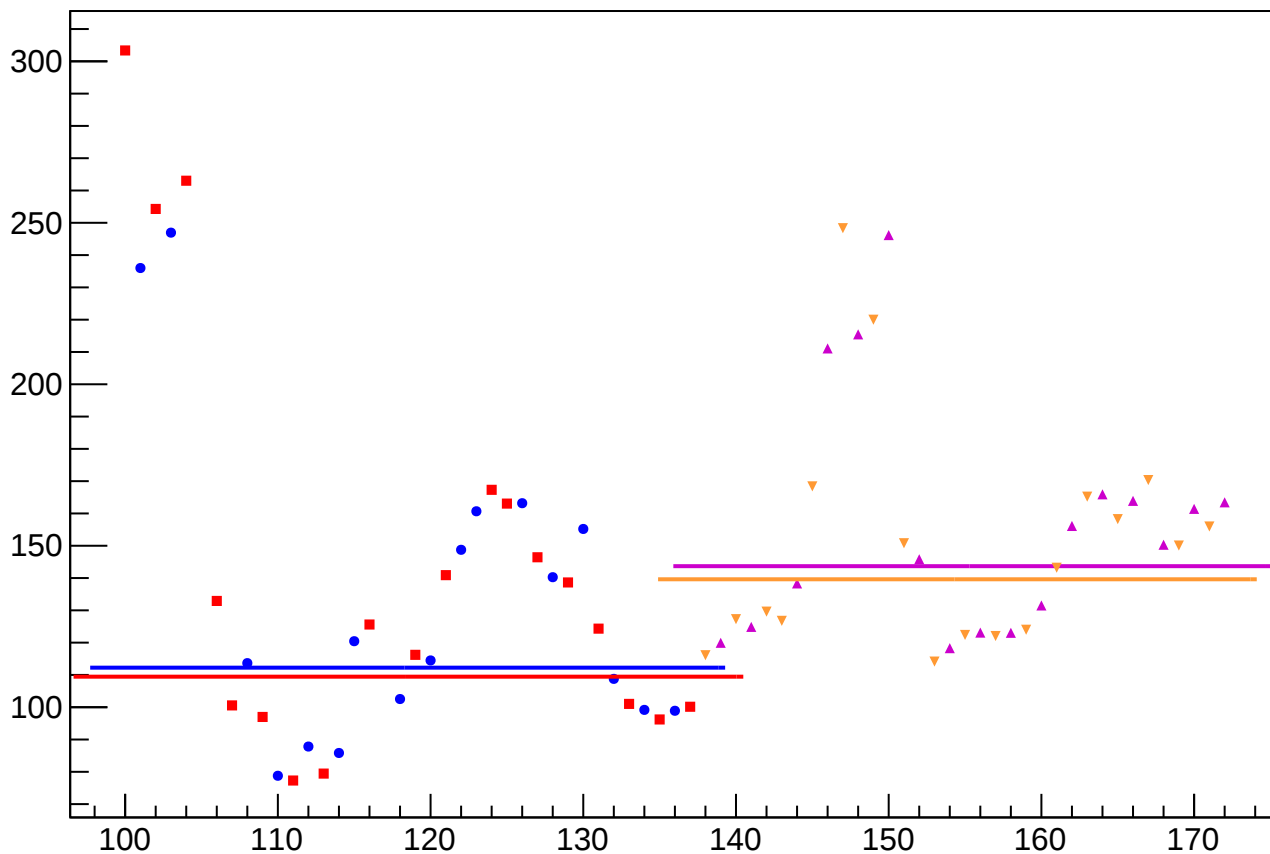
Left In: 7685.138+/-40.823 χ^2/NDF : 22977.8/16

+ sign -1603.222+/-29.959 χ^2/NDF : 54942.3/34

All: 1829.783+/-21.204 χ^2/NDF : 119491.1/70

- sign 5275.752+/-30.016 χ^2/NDF : 38238.2/35

asym_bpm0i01aWS_rms vs Slug



Right In: 112.251+/-0.033 χ^2/NDF : 1125537.4/16

Left Out: 139.616+/-0.028 χ^2/NDF : 949422.2/17

Right Out: 109.460+/-0.031 χ^2/NDF : 1269633.4/18

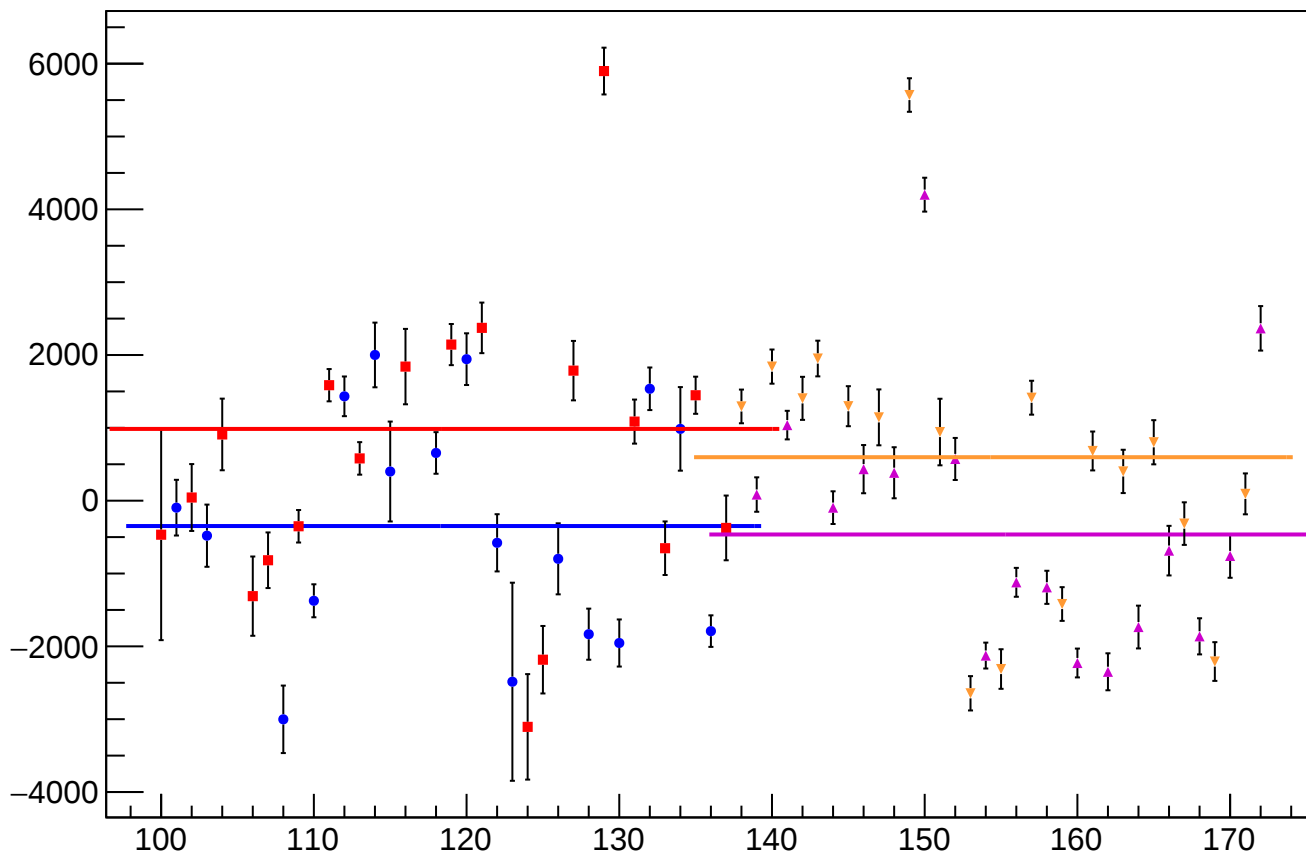
Left In: 143.676+/-0.029 χ^2/NDF : 992176.3/16

+ sign 128.292+/-0.021 χ^2/NDF : 2479742.0/34

All: 128.125+/-0.015 χ^2/NDF : 5387109.1/70

- sign 127.958+/-0.021 χ^2/NDF : 2907243.2/35

asym_bpm0l01WS_mean vs Slug



Right In: -348.055 ± 83.826 χ^2/NDF : 317.3/16

Left Out: 597.053 ± 62.986 χ^2/NDF : 1067.6/17

Right Out: 985.242 ± 77.683 χ^2/NDF : 476.6/18

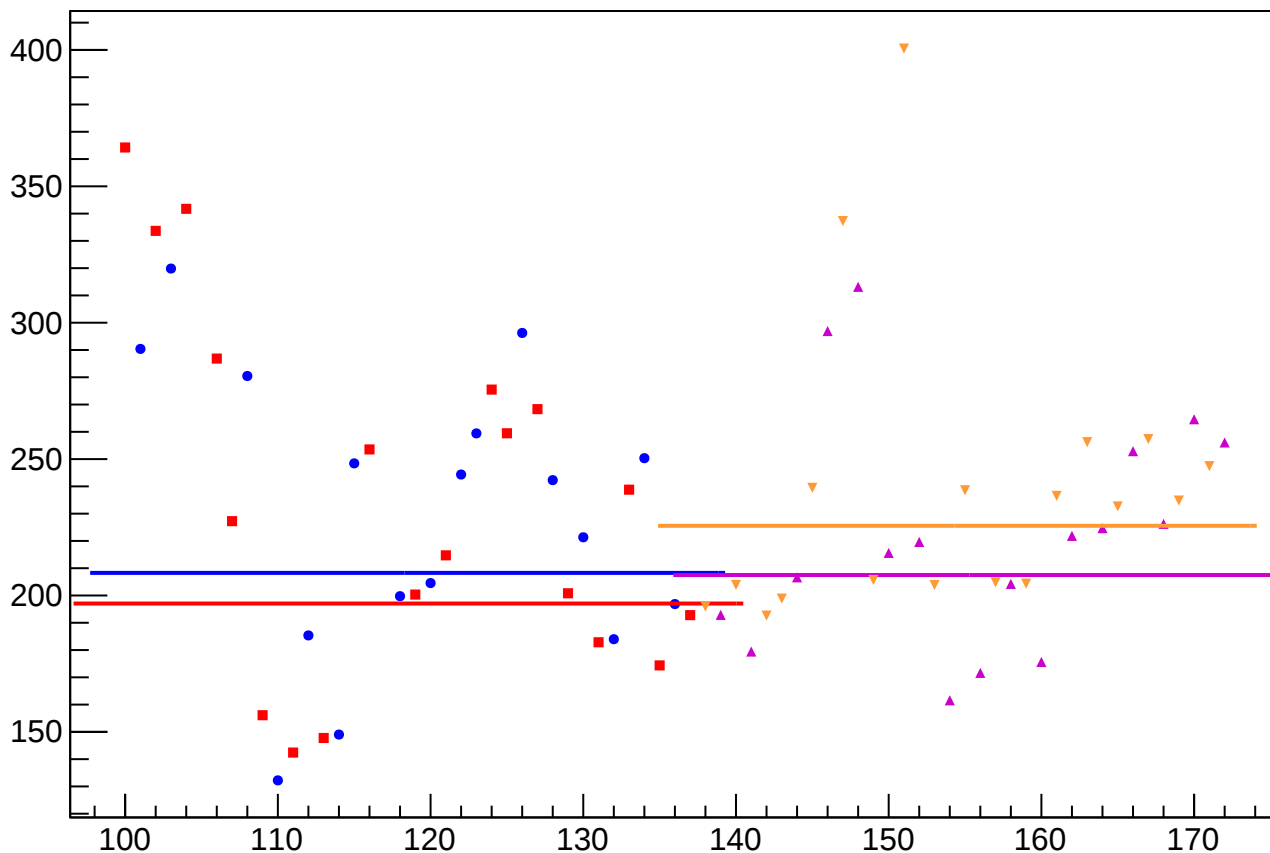
Left In: -463.993 ± 59.011 χ^2/NDF : 875.7/16

+ sign 256.009 ± 50.355 χ^2/NDF : 1466.2/34

All: 154.600 ± 34.355 χ^2/NDF : 3046.7/70

- sign 66.290 ± 46.991 χ^2/NDF : 1573.0/35

asym_bpm0l01WS_rms vs Slug



Right In: 208.288+/-0.059 χ^2/NDF : 698491.0/16

Left Out: 225.552+/-0.045 χ^2/NDF : 699235.3/17

Right Out: 197.051+/-0.055 χ^2/NDF : 926786.6/18

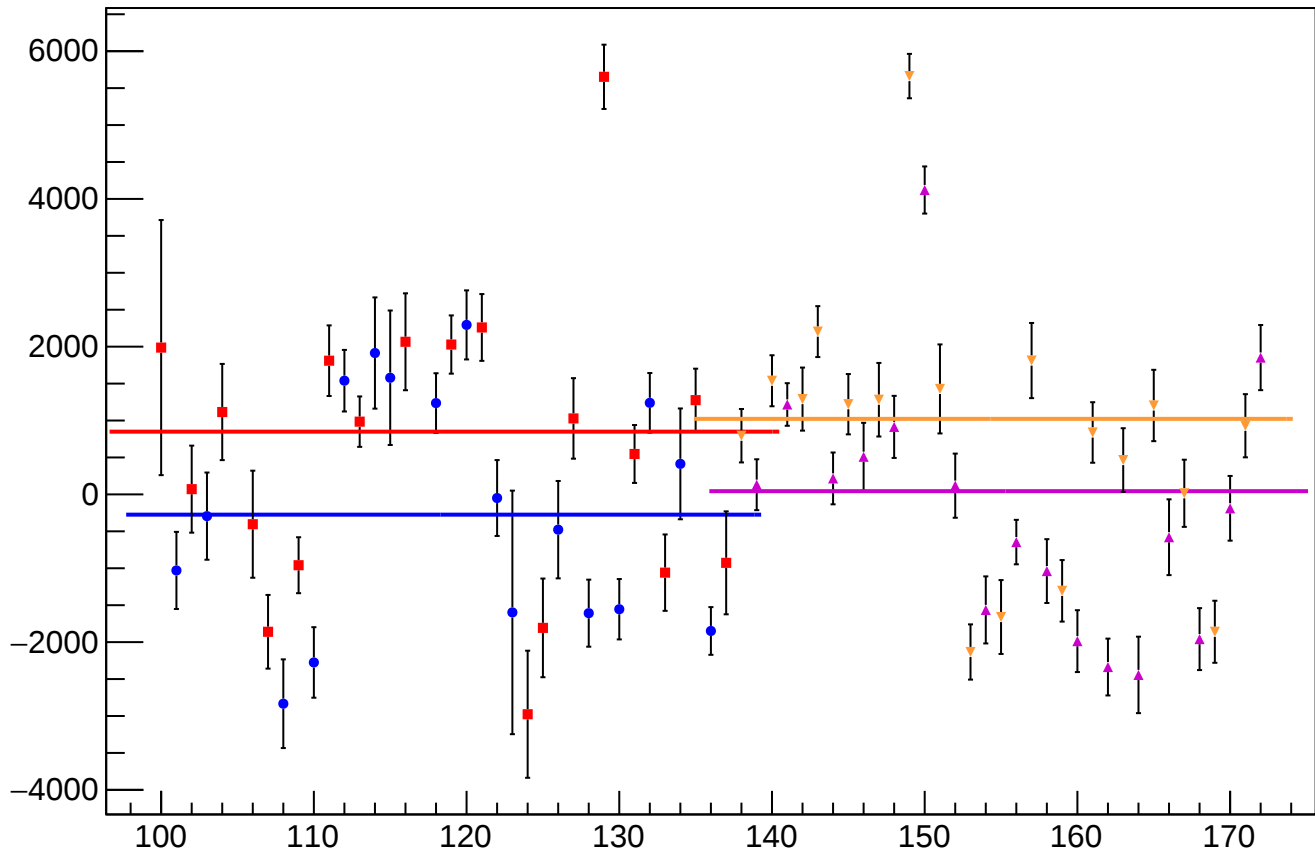
Left In: 207.499+/-0.042 χ^2/NDF : 816583.1/16

+ sign 219.322+/-0.036 χ^2/NDF : 1451951.4/34

All: 210.959+/-0.024 χ^2/NDF : 3321471.4/70

- sign 203.676+/-0.033 χ^2/NDF : 1766311.4/35

asym_bpm0l02WS_mean vs Slug



Right In: -274.260 ± 121.326 χ^2/NDF : 171.6/16

Left Out: 1022.672 ± 97.045 χ^2/NDF : 442.0/17

Right Out: 849.413 ± 115.349 χ^2/NDF : 263.3/18

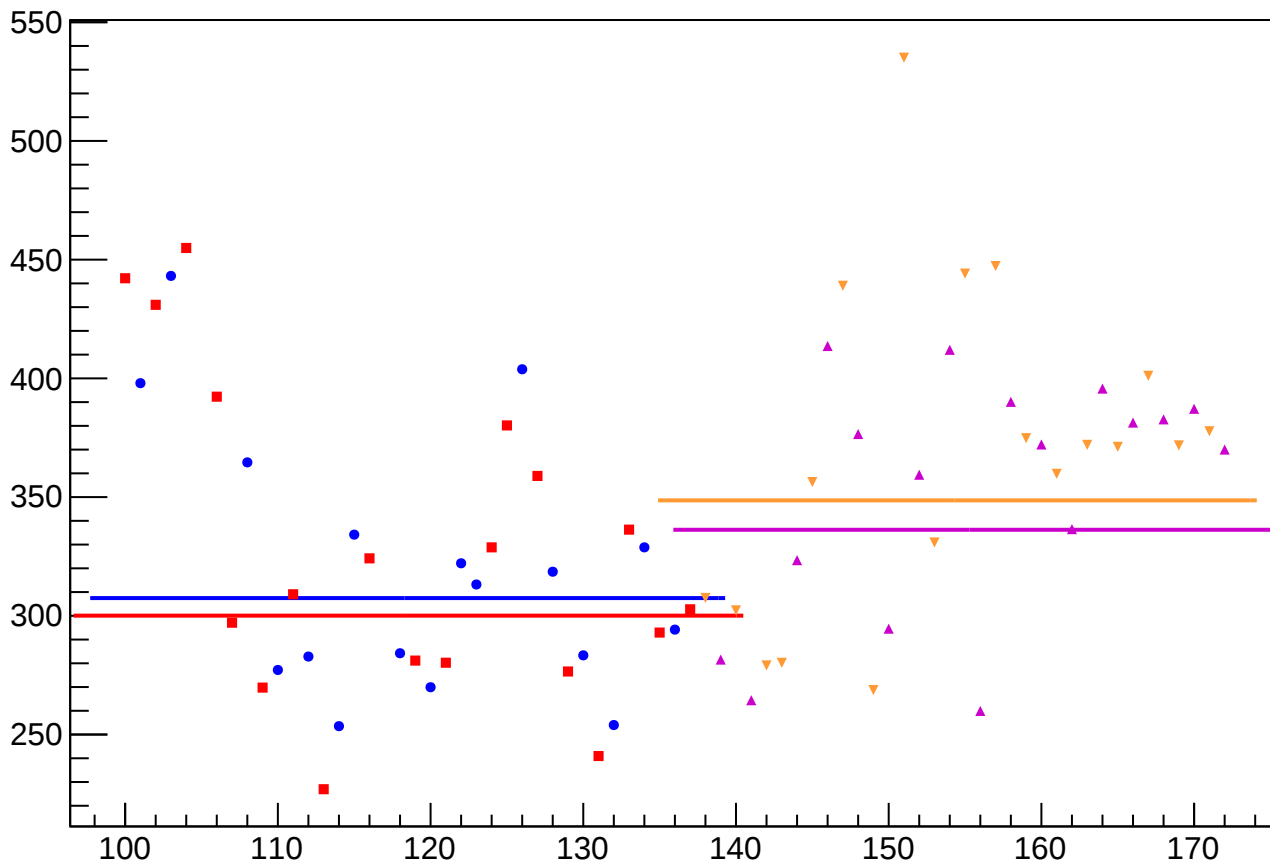
Left In: 43.733 ± 94.755 χ^2/NDF : 335.8/16

+ sign 516.652 ± 75.784 χ^2/NDF : 683.2/34

All: 439.951 ± 52.657 χ^2/NDF : 1313.4/70

- sign 368.356 ± 73.219 χ^2/NDF : 628.2/35

asym_bpm0l02WS_rms vs Slug



Right In: 307.468 $\pm$ 0.086 χ^2 /NDF: 323096.7/16

Left Out: 348.618 $\pm$ 0.069 χ^2 /NDF: 807417.2/17

Right Out: 300.069 $\pm$ 0.082 χ^2 /NDF: 490398.9/18

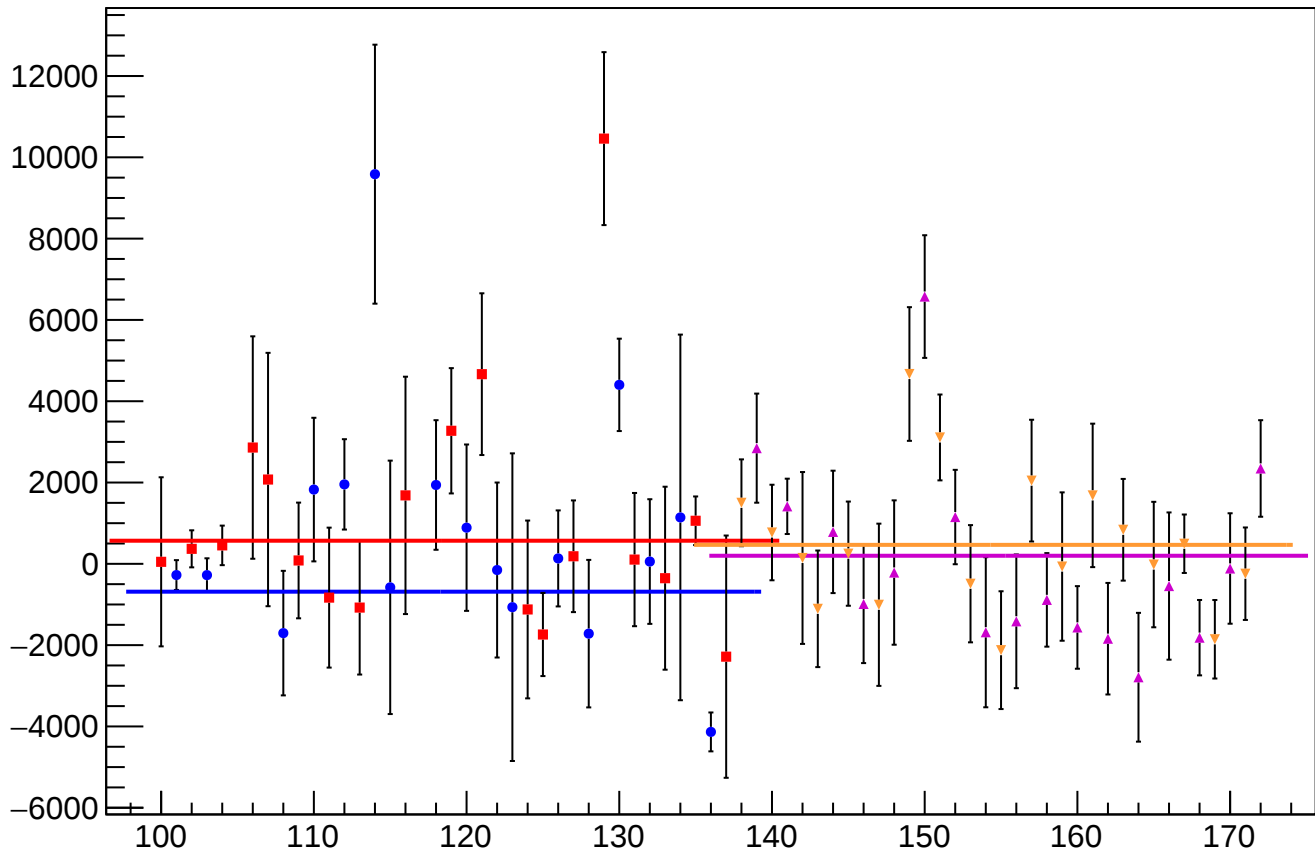
Left In: 336.235 $\pm$ 0.067 χ^2 /NDF: 627126.6/16

+ sign 332.562 $\pm$ 0.054 χ^2 /NDF: 1270817.9/34

All: 326.925 $\pm$ 0.037 χ^2 /NDF: 2527129.7/70

- sign 321.663 $\pm$ 0.052 χ^2 /NDF: 1234917.0/35

asym_bpm0l03WS_mean vs Slug



Right In: -685.056 $\pm$ 210.341 χ^2 /NDF: 97.4/16

Left Out: 466.722 $\pm$ 297.481 χ^2 /NDF:27.3/17

Right Out: 568.651 $\pm$ 243.251 χ^2 /NDF: 39.7/18

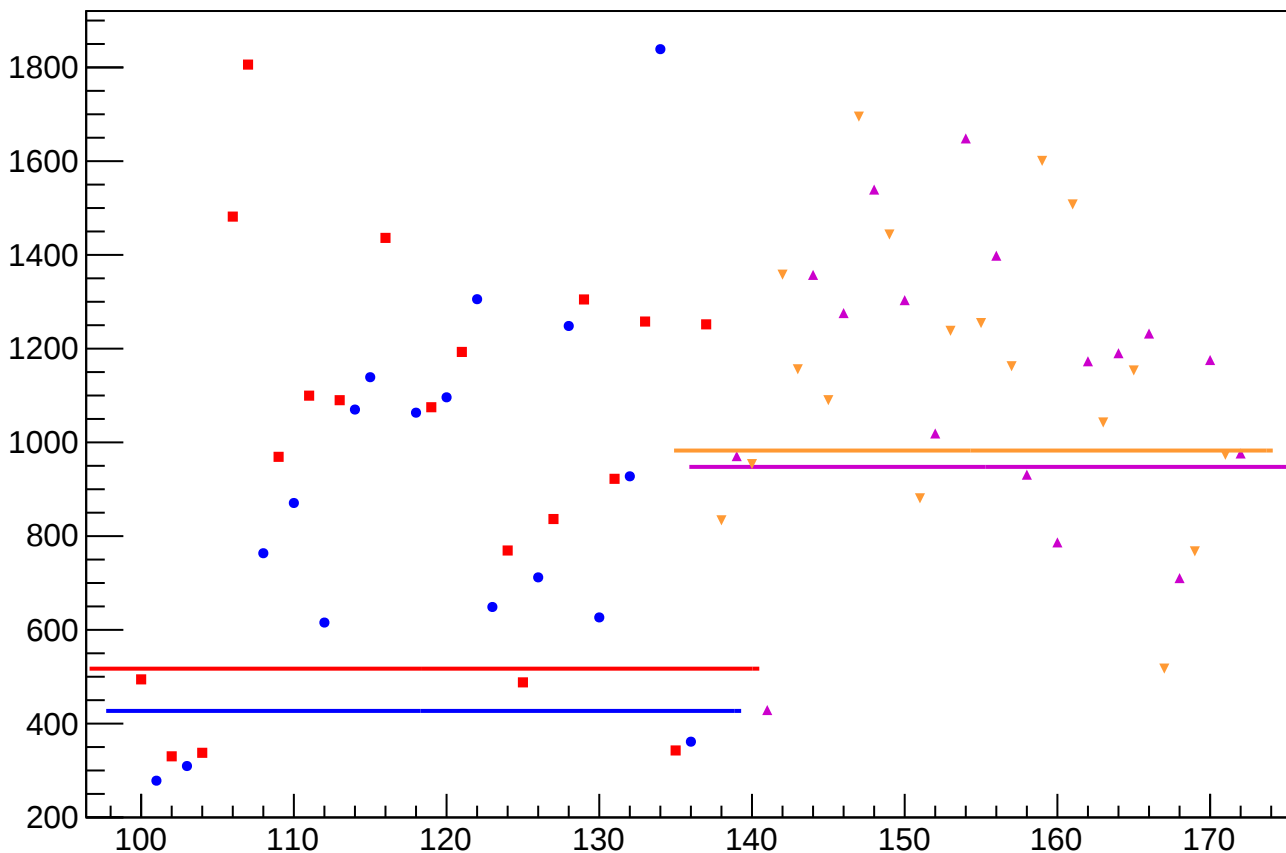
Left In: 198.725 $\pm$ 299.307 χ^2 /NDF:46.4/16

+ sign -301.154 $\pm$ 171.745 χ^2 /NDF: 134.6/34

All: 26.123 $\pm$ 127.036 χ^2 /NDF: 229.7/70

- sign 421.504 $\pm$ 188.771 χ^2 /NDF: 87.0/35

asym_bpm0l03WS_rms vs Slug



Right In: 427.079+/-0.149 χ^2/NDF : 2865678.7/16

Left Out: 982.591+/-0.210 χ^2/NDF : 2111337.9/17

Right Out: 517.234+/-0.172 χ^2/NDF : 3605111.9/18

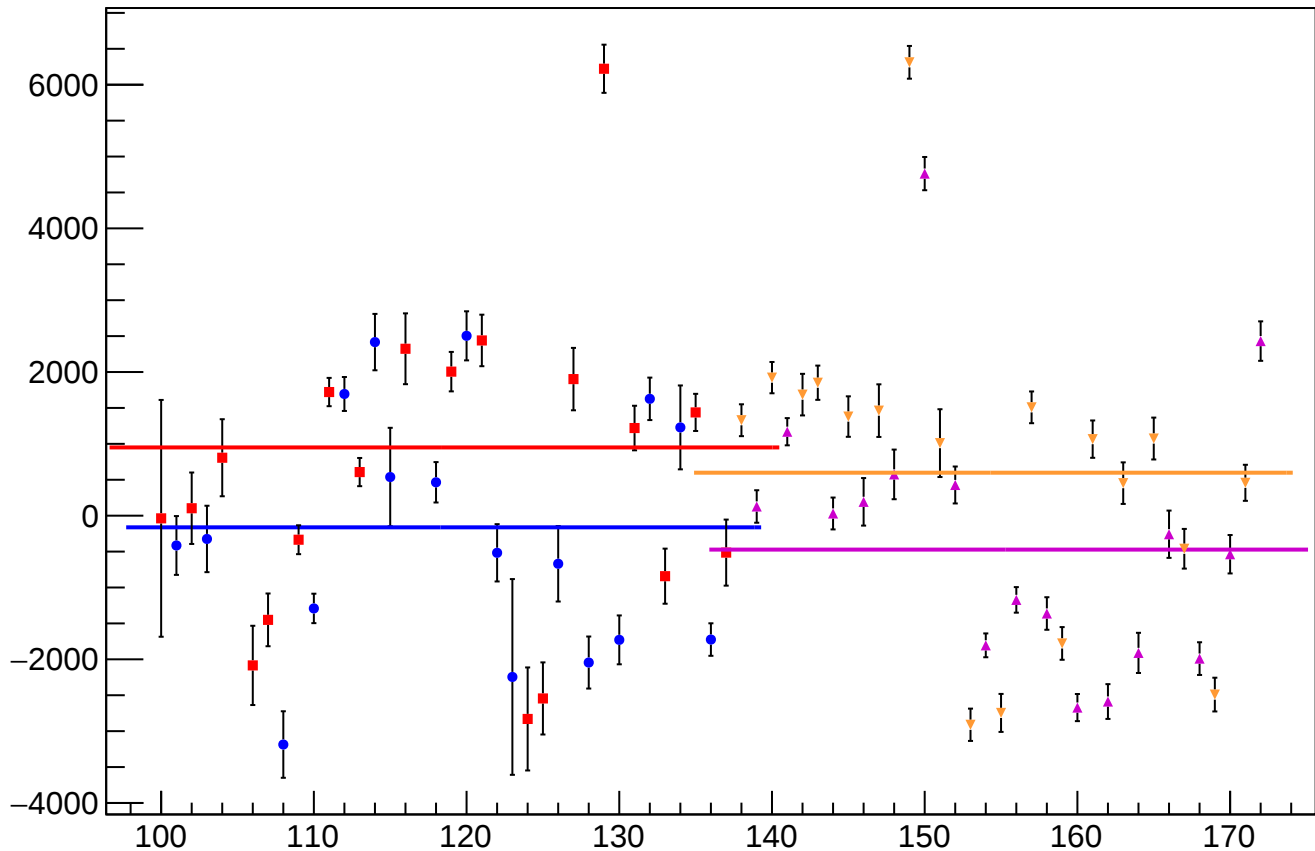
Left In: 947.718+/-0.212 χ^2/NDF : 2581079.6/16

+ sign 612.238+/-0.121 χ^2/NDF : 9626673.5/34

All: 646.762+/-0.090 χ^2/NDF : 18482853.7/70

- sign 688.469+/-0.133 χ^2/NDF : 8677733.8/35

asym_bpm0l04WS_mean vs Slug



Right In: -162.333 ± 82.350 $\chi^2/\text{NDF}: 387.6/16$

Left Out: 598.282 ± 60.398 $\chi^2/\text{NDF}: 1455.1/17$

Right Out: 950.093 ± 75.133 $\chi^2/\text{NDF}: 539.8/18$

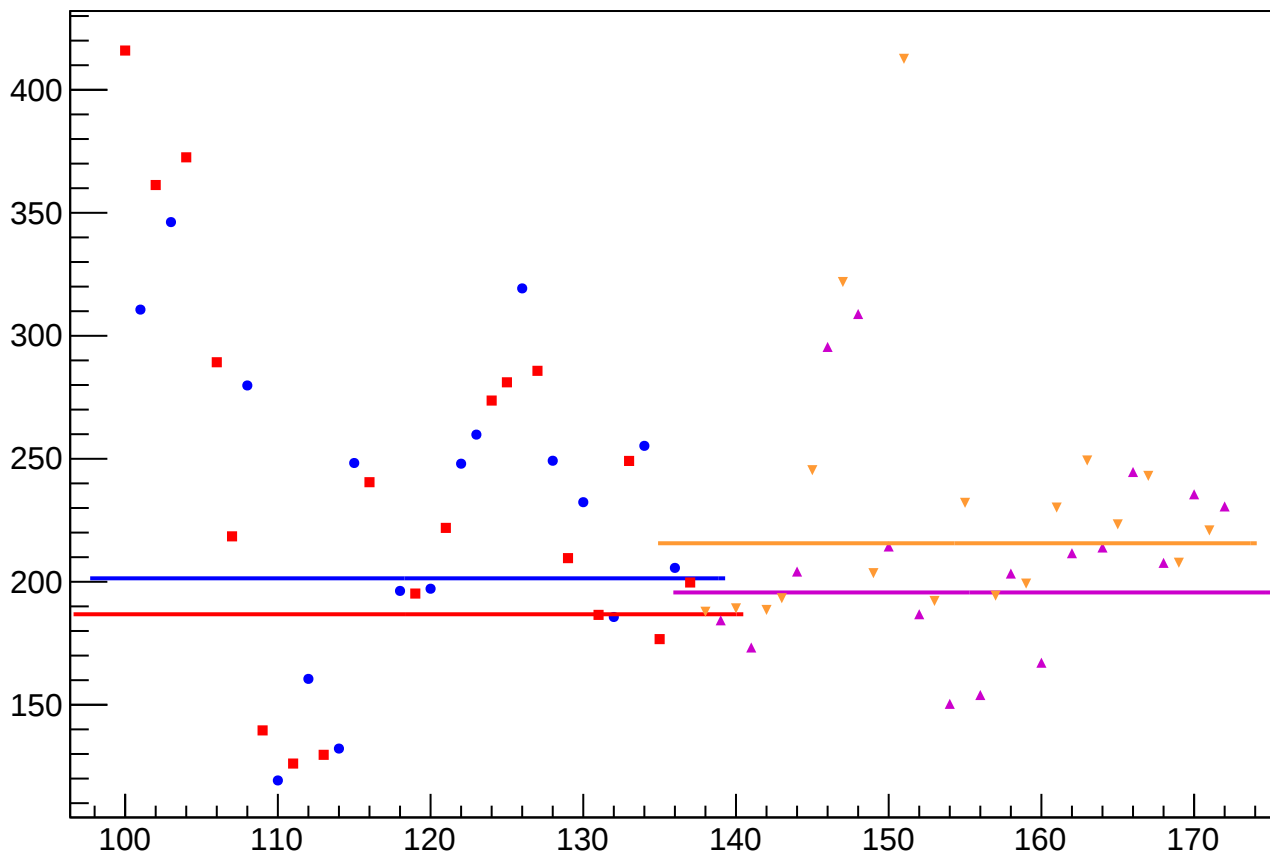
Left In: -472.336 ± 55.894 $\chi^2/\text{NDF}: 1114.9/16$

+ sign 332.242 ± 48.703 $\chi^2/\text{NDF}: 1898.1/34$

All: 171.076 ± 32.990 $\chi^2/\text{NDF}: 3803.7/70$

- sign 34.428 ± 44.846 $\chi^2/\text{NDF}: 1885.4/35$

asym_bpm0l04WS_rms vs Slug



Right In: 201.409 $\pm$ 0.058 χ^2 /NDF: 1056022.1/16

Left Out: 215.662 $\pm$ 0.043 χ^2 /NDF: 756305.7/17

Right Out: 186.797 $\pm$ 0.053 χ^2 /NDF: 1393162.0/18

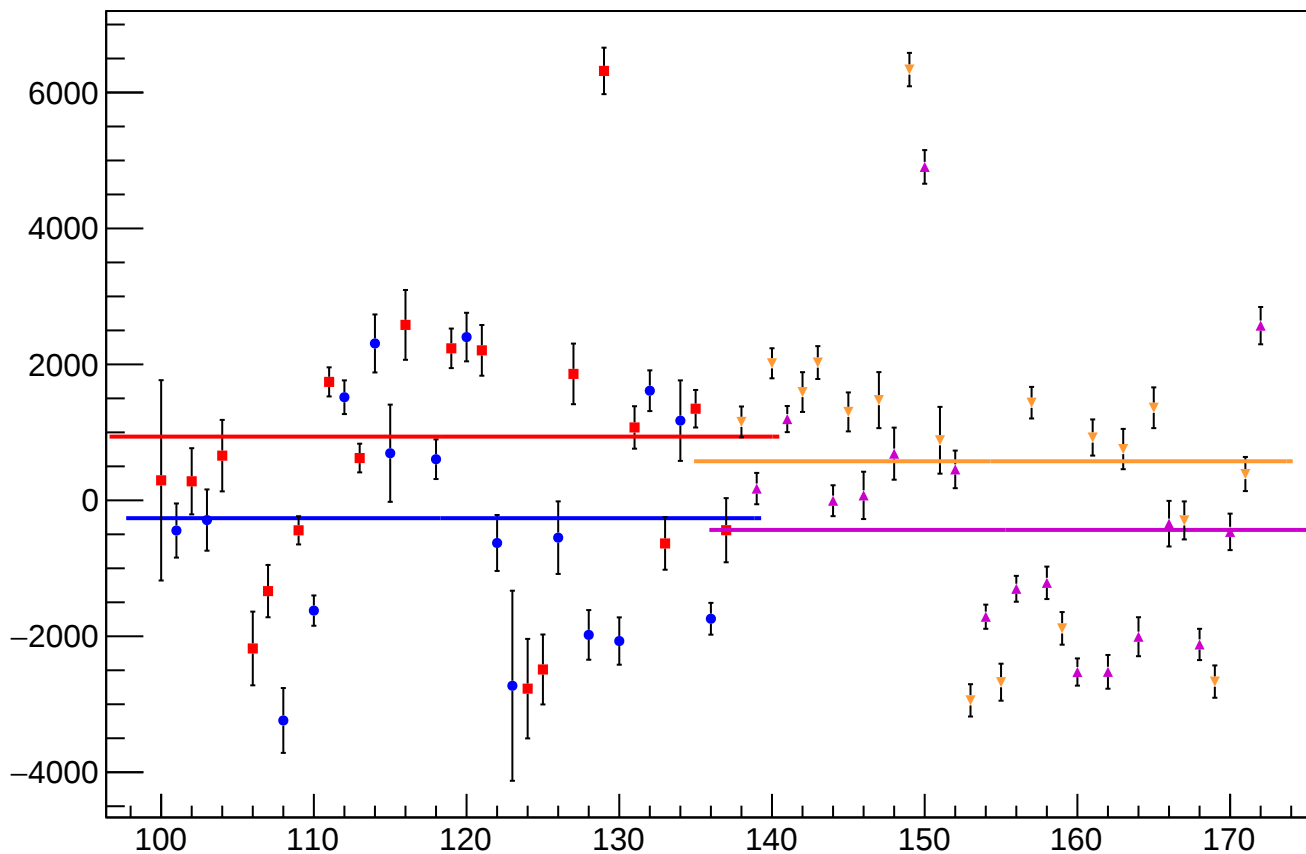
Left In: 195.664 $\pm$ 0.040 χ^2 /NDF: 898723.8/16

+ sign 210.677 $\pm$ 0.034 χ^2 /NDF: 1851283.3/34

All: 200.843 $\pm$ 0.023 χ^2 /NDF: 4311771.6/70

- sign 192.505 $\pm$ 0.032 χ^2 /NDF: 2309816.9/35

asym_bpm0l05WS_mean vs Slug



Right In: -262.324 ± 85.433 χ^2/NDF : 368.7/16

Left Out: 575.001 ± 62.306 χ^2/NDF : 1344.4/17

Right Out: 937.678 ± 78.434 χ^2/NDF : 521.9/18

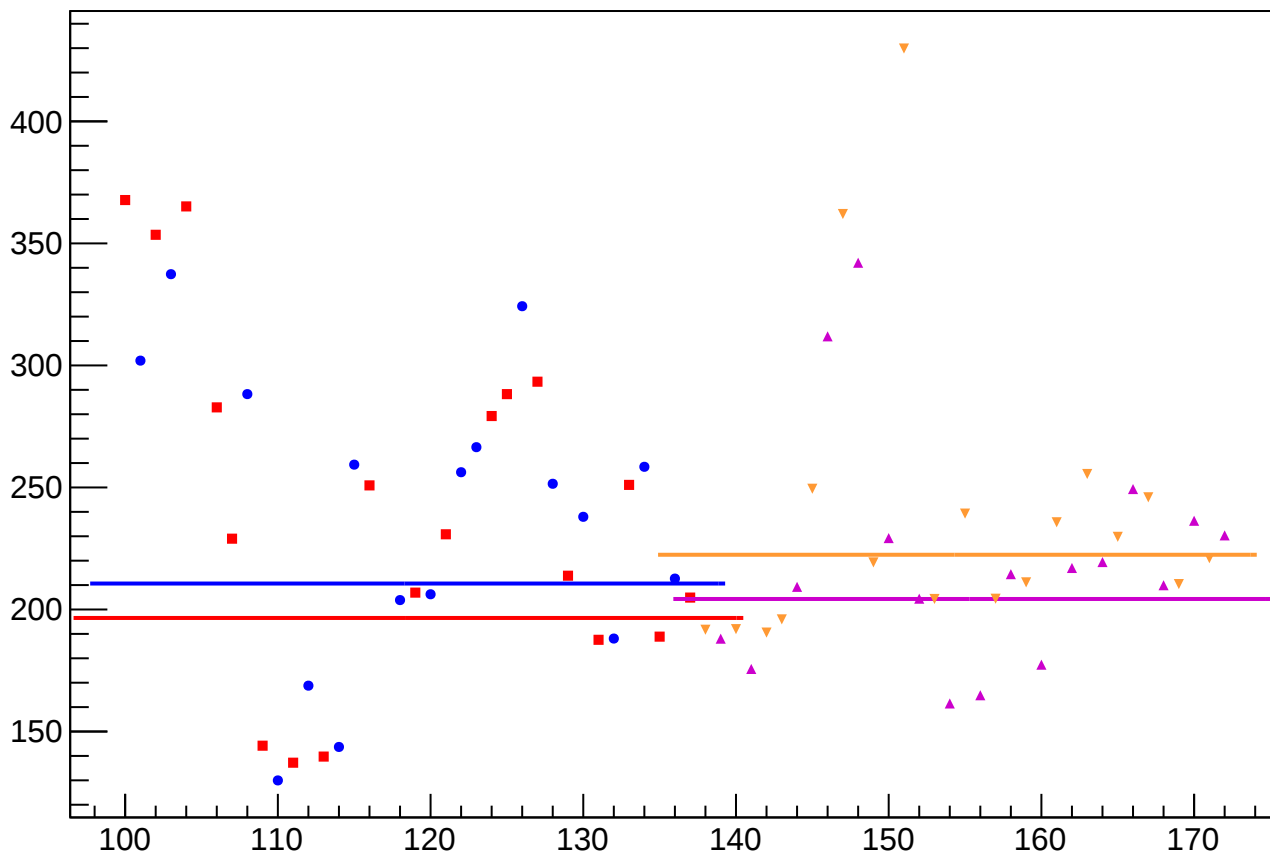
Left In: -435.051 ± 58.237 χ^2/NDF : 1035.9/16

+ sign 284.277 ± 50.341 χ^2/NDF : 1775.8/34

All: 160.001 ± 34.259 χ^2/NDF : 3542.5/70

- sign 52.788 ± 46.757 χ^2/NDF : 1755.3/35

asym_bpm0l05WS_rms vs Slug



Right In: 210.636+/-0.060 χ^2/NDF : 875776.4/16

Left Out: 222.426+/-0.044 χ^2/NDF : 812875.6/17

Right Out: 196.528+/-0.055 χ^2/NDF : 1205091.0/18

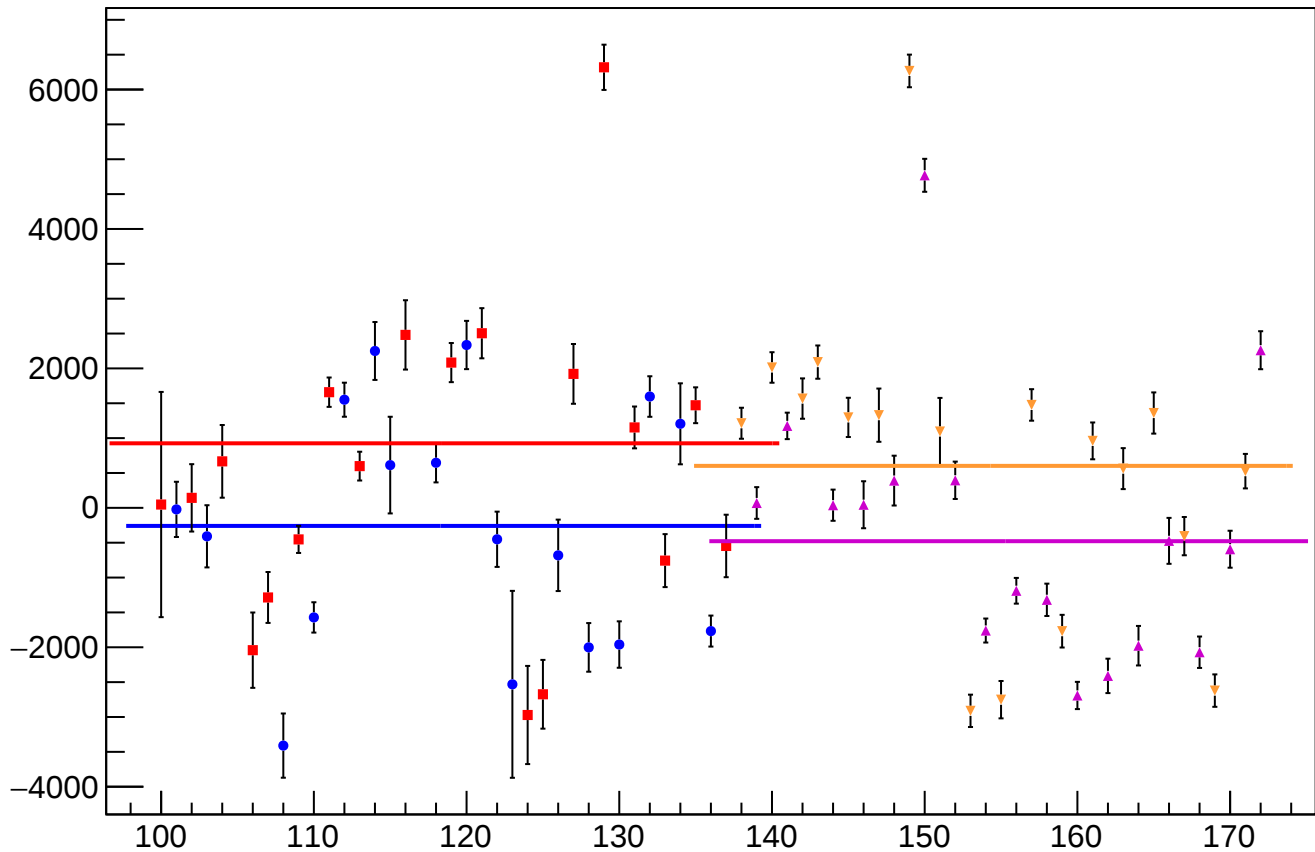
Left In: 204.306+/-0.041 χ^2/NDF : 862069.3/16

+ sign 218.332+/-0.036 χ^2/NDF : 1713516.2/34

All: 209.318+/-0.024 χ^2/NDF : 3912799.8/70

- sign 201.542+/-0.033 χ^2/NDF : 2079836.6/35

asym_bpm0l06WS_mean vs Slug



Right In: -259.139 ± 82.802 χ^2/NDF : 391.2/16

Left Out: 602.076 ± 61.040 χ^2/NDF : 1413.5/17

Right Out: 925.534 ± 75.503 χ^2/NDF : 581.9/18

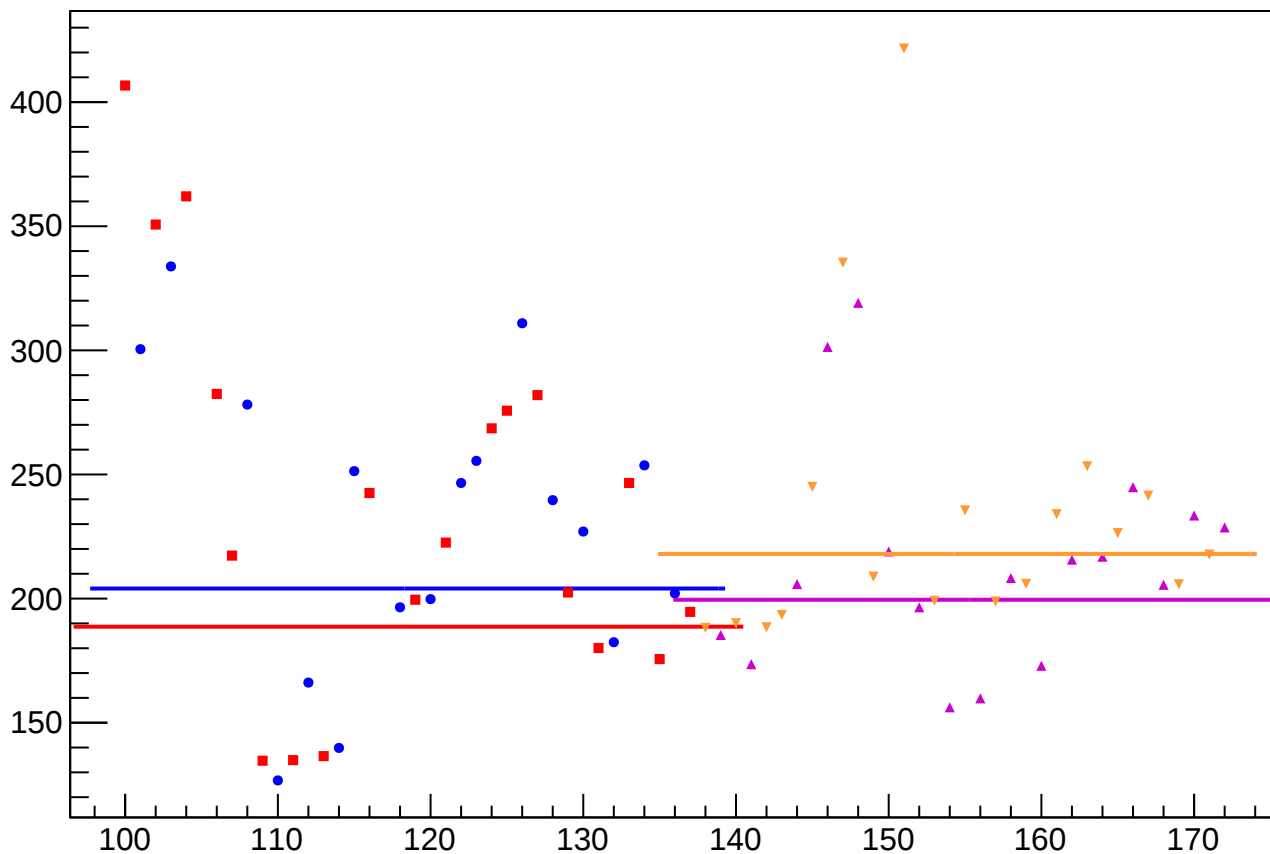
Left In: -478.304 ± 56.889 χ^2/NDF : 1051.2/16

+ sign 298.849 ± 49.132 χ^2/NDF : 1874.8/34

All: 153.965 ± 33.358 χ^2/NDF : 3744.5/70

- sign 30.064 ± 45.436 χ^2/NDF : 1853.6/35

asym_bpm0l06WS_rms vs Slug



Right In: 204.051+/-0.059 χ^2/NDF : 868423.0/16

Left Out: 217.991+/-0.043 χ^2/NDF : 777213.5/17

+ sign 213.083+/-0.035 χ^2/NDF : 1682364.2/34

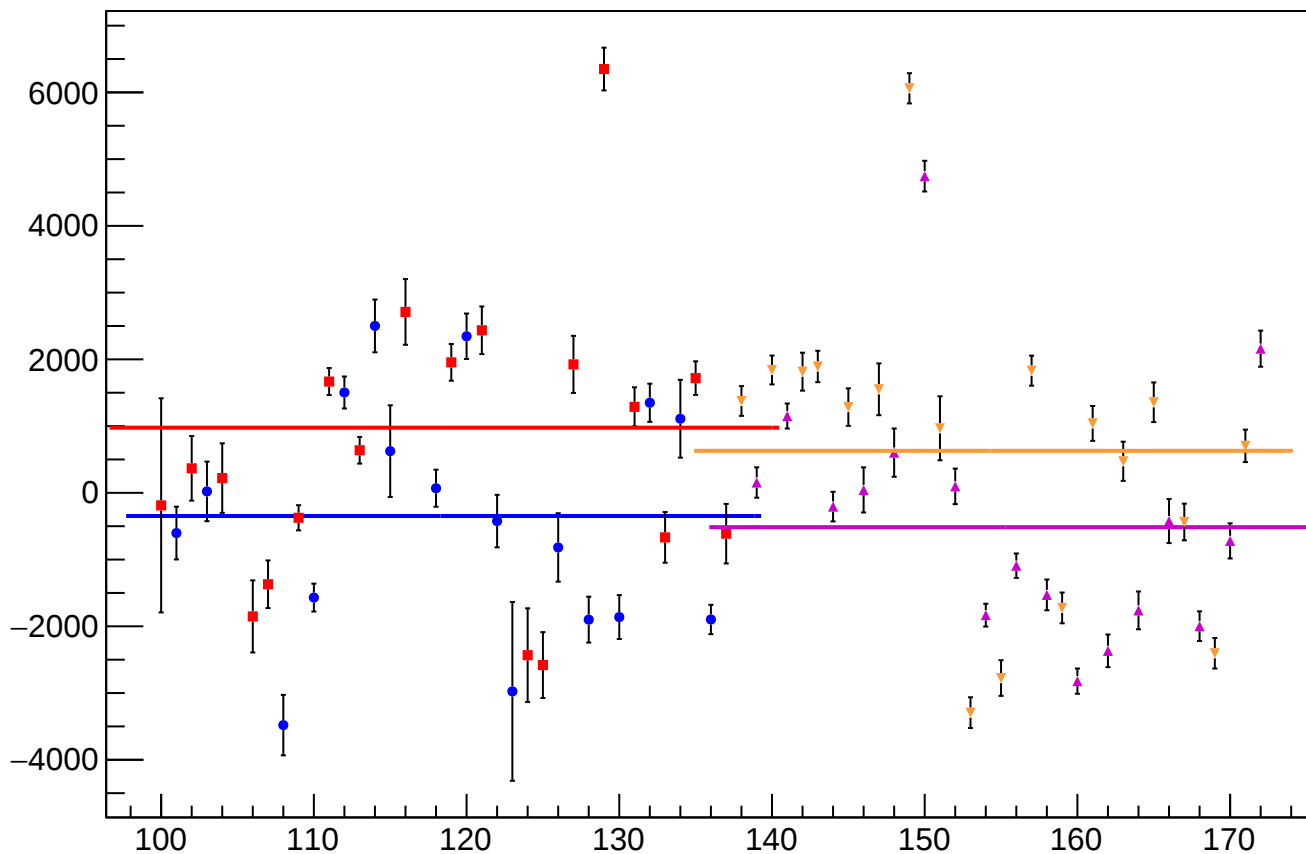
Right Out: 188.681+/-0.053 χ^2/NDF : 1251107.4/18

All: 203.663+/-0.024 χ^2/NDF : 3934116.3/70

Left In: 199.540+/-0.040 χ^2/NDF : 837867.4/16

- sign 195.607+/-0.032 χ^2/NDF : 2115365.1/35

asym_bpm0l07WS_mean vs Slug



Right In: -347.240 ± 81.318 χ^2/NDF : 399.1/16

Left Out: 629.668 ± 60.480 χ^2/NDF : 1459.5/17

Right Out: 976.286 ± 73.889 χ^2/NDF : 585.7/18

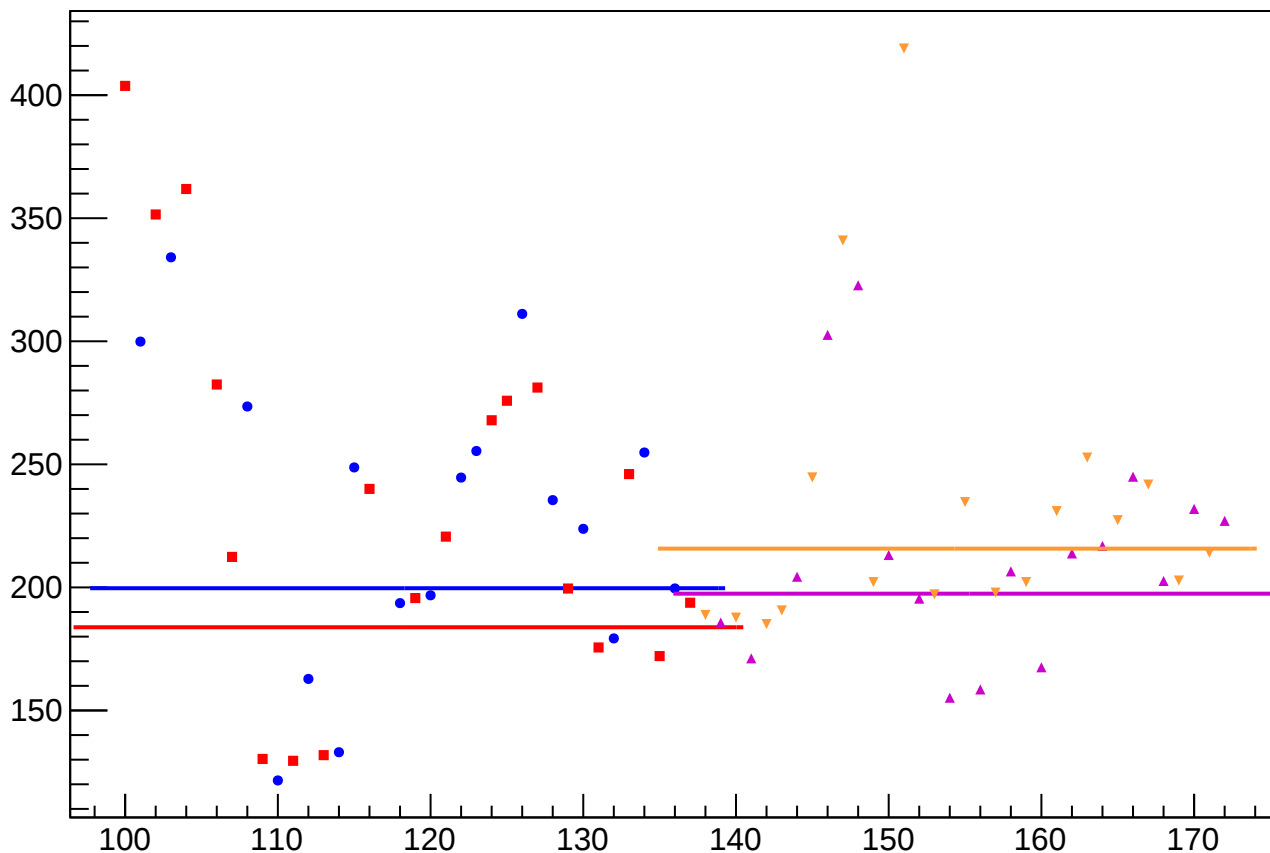
Left In: -514.240 ± 56.345 χ^2/NDF : 1086.7/16

+ sign 281.738 ± 48.529 χ^2/NDF : 1951.5/34

All: 147.896 ± 32.920 χ^2/NDF : 3895.3/70

- sign 33.813 ± 44.804 χ^2/NDF : 1929.7/35

asym_bpm0l07WS_rms vs Slug



Right In: 199.669 ± 0.058 χ^2/NDF : 943155.1/16

Left Out: 215.757 ± 0.043 χ^2/NDF : 813474.9/17

Right Out: 183.808 ± 0.052 χ^2/NDF : 1349625.1/18

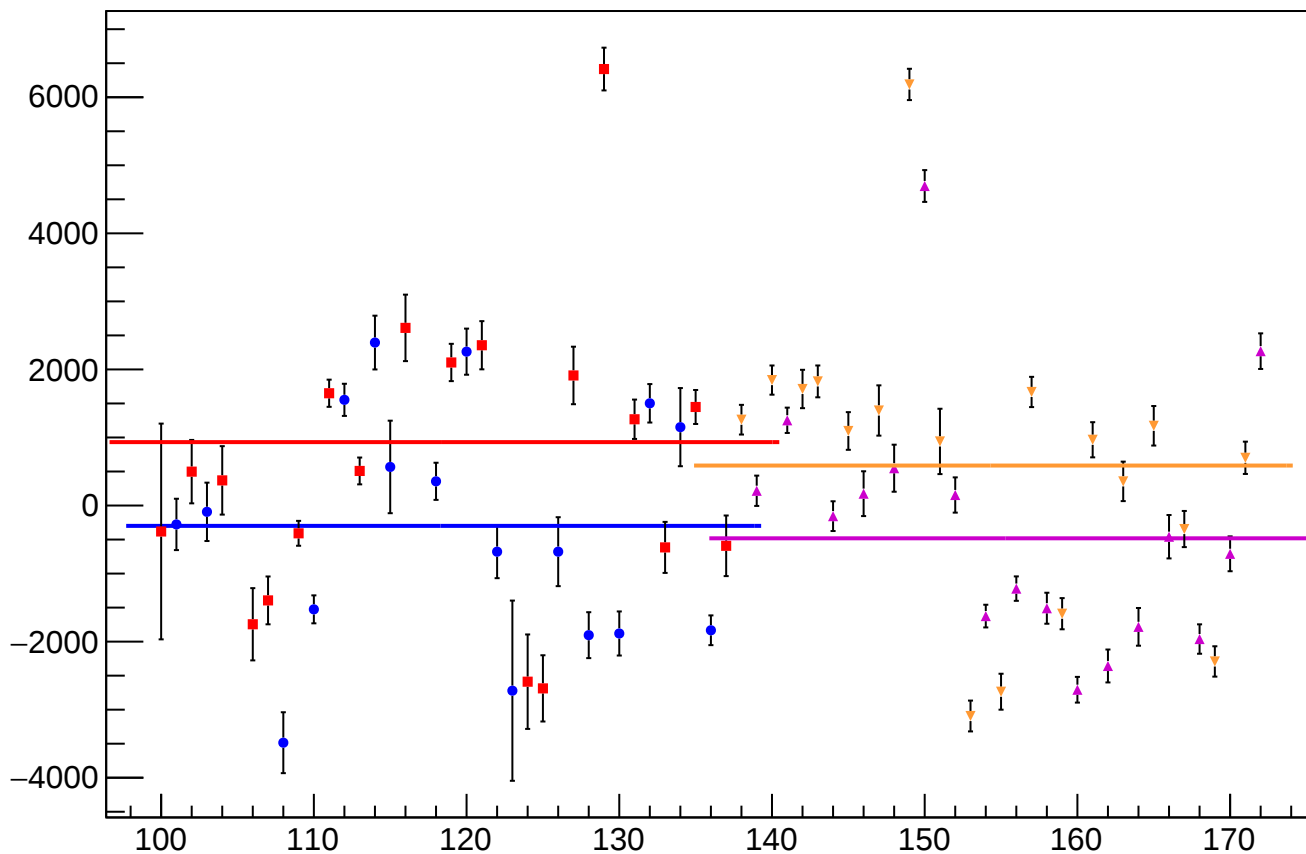
Left In: 197.451 ± 0.040 χ^2/NDF : 874598.7/16

+ sign 210.027 ± 0.034 χ^2/NDF : 1807029.8/34

All: 200.530 ± 0.023 χ^2/NDF : 4216252.3/70

- sign 192.435 ± 0.032 χ^2/NDF : 2267337.3/35

asym_bpm0l08WS_mean vs Slug



Right In: -298.963 ± 80.162 χ^2/NDF : 406.6/16

Left Out: 587.612 ± 59.649 χ^2/NDF : 1411.8/17

Right Out: 931.843 ± 72.751 χ^2/NDF : 614.8/18

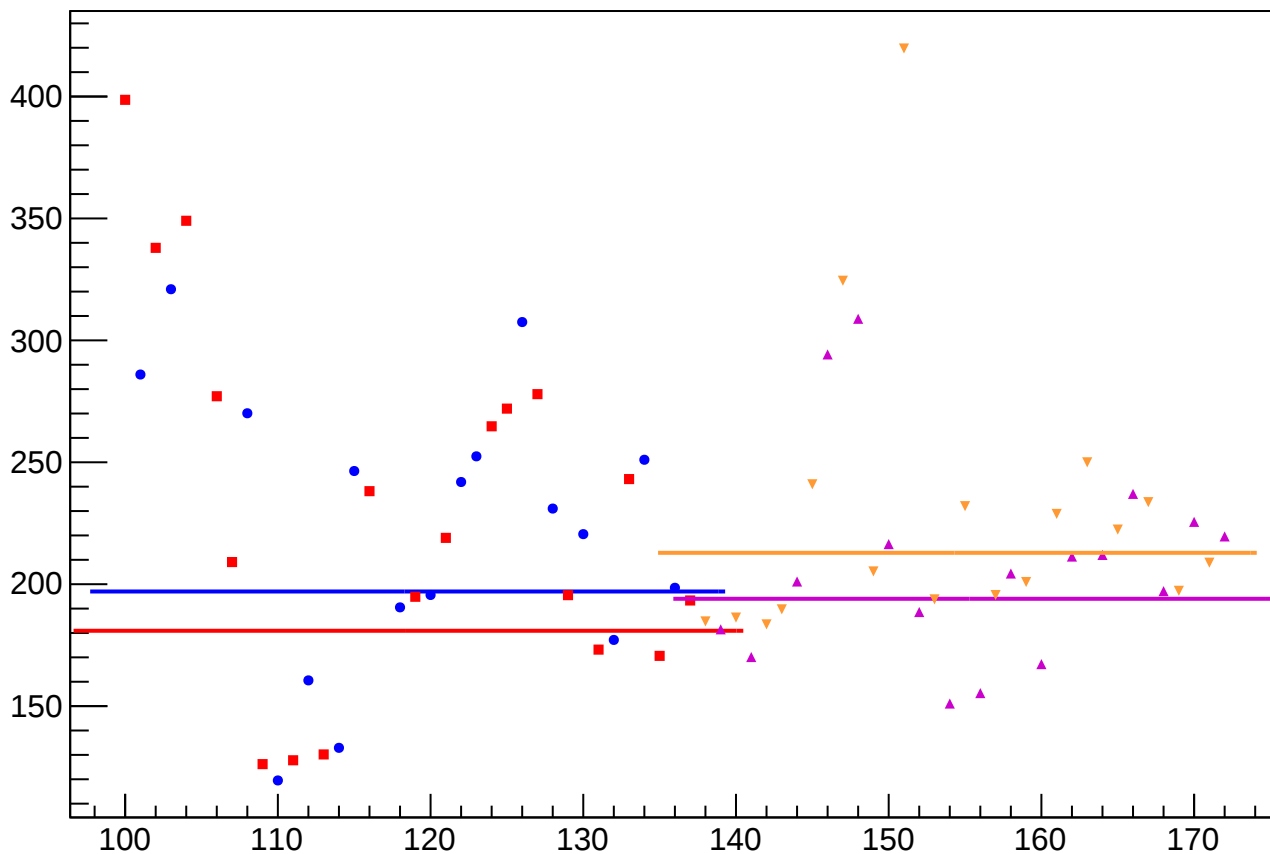
Left In: -481.786 ± 55.359 χ^2/NDF : 1072.4/16

+ sign 271.658 ± 47.854 χ^2/NDF : 1897.1/34

All: 144.423 ± 32.412 χ^2/NDF : 3836.4/70

- sign 36.590 ± 44.055 χ^2/NDF : 1926.3/35

asym_bpm0l08WS_rms vs Slug



Right In: 197.013+/-0.057 χ^2/NDF : 911923.5/16

Left Out: 212.877+/-0.042 χ^2/NDF : 788981.9/17

Right Out: 180.906+/-0.051 χ^2/NDF : 1345685.7/18

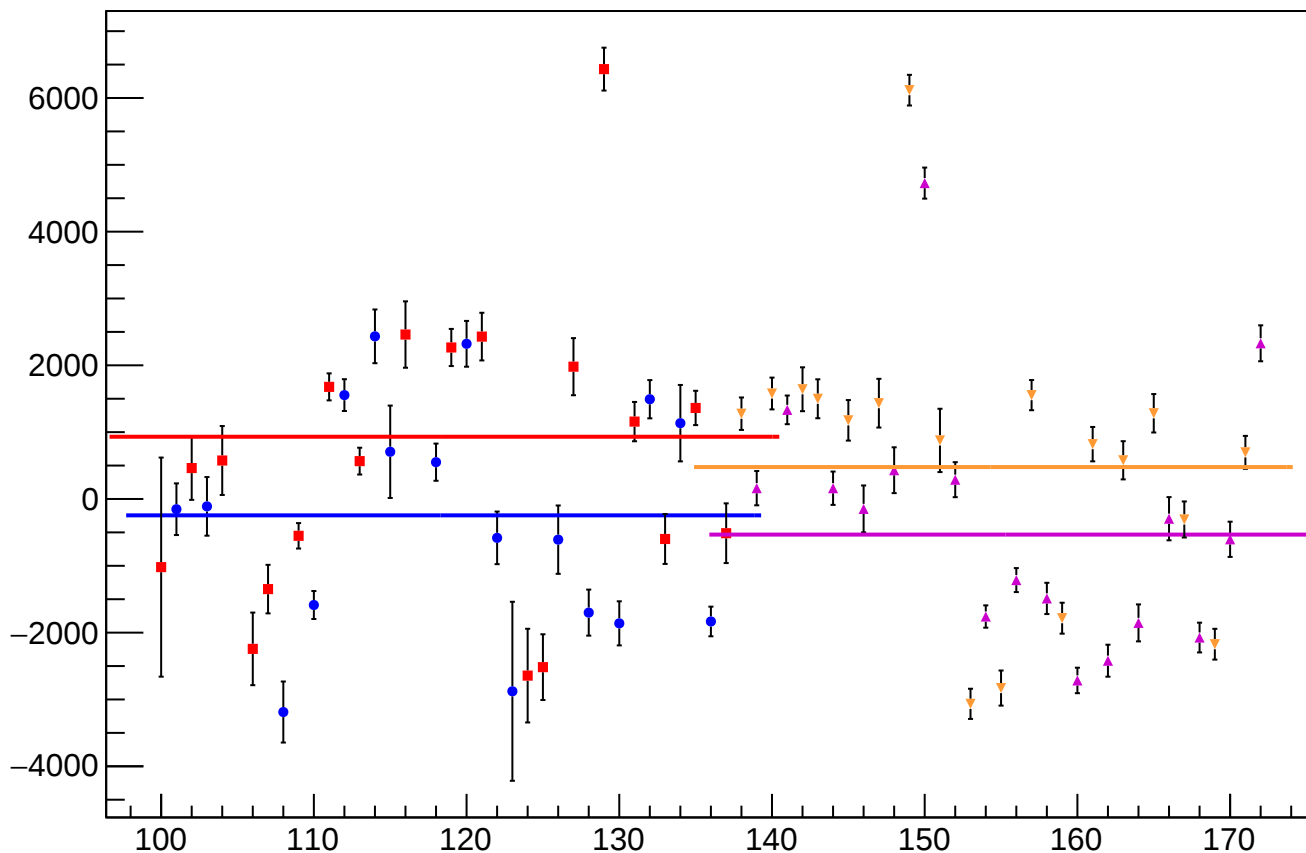
Left In: 194.020+/-0.039 χ^2/NDF : 841680.7/16

+ sign 207.224+/-0.034 χ^2/NDF : 1751319.9/34

All: 197.474+/-0.023 χ^2/NDF : 4133220.1/70

- sign 189.211+/-0.031 χ^2/NDF : 2228521.8/35

asym_bpm0l09WS_mean vs Slug



Right In: -244.925 $\pm$ 81.395 χ^2/NDF : 391.4/16

Left Out: 477.576 $\pm$ 62.193 χ^2/NDF :1349.1/17

Right Out: 931.272 $\pm$ 74.206 χ^2/NDF : 609.7/18

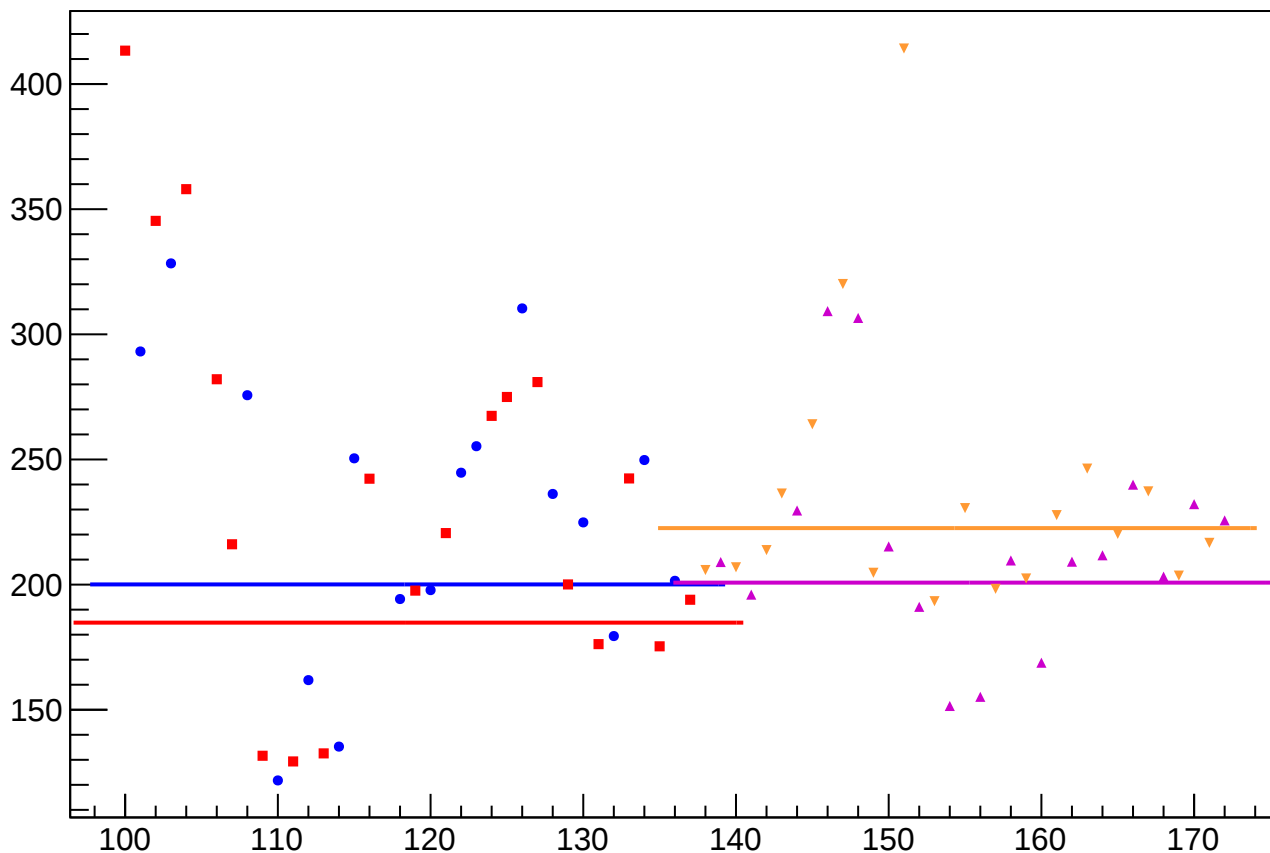
Left In: -532.945 $\pm$ 57.361 χ^2/NDF :1084.7/16

+ sign 211.246 $\pm$ 49.418 χ^2/NDF : 1790.2/34

All: 104.630 $\pm$ 33.426 χ^2/NDF : 3737.0/70

- sign 14.717 $\pm$ 45.383 χ^2/NDF : 1938.2/35

asym_bpm0l09WS_rms vs Slug



Right In: 200.078+/-0.058 χ^2/NDF : 918309.2/16

Left Out: 222.579+/-0.044 χ^2/NDF : 653159.9/17

Right Out: 184.807+/-0.052 χ^2/NDF : 1318267.6/18

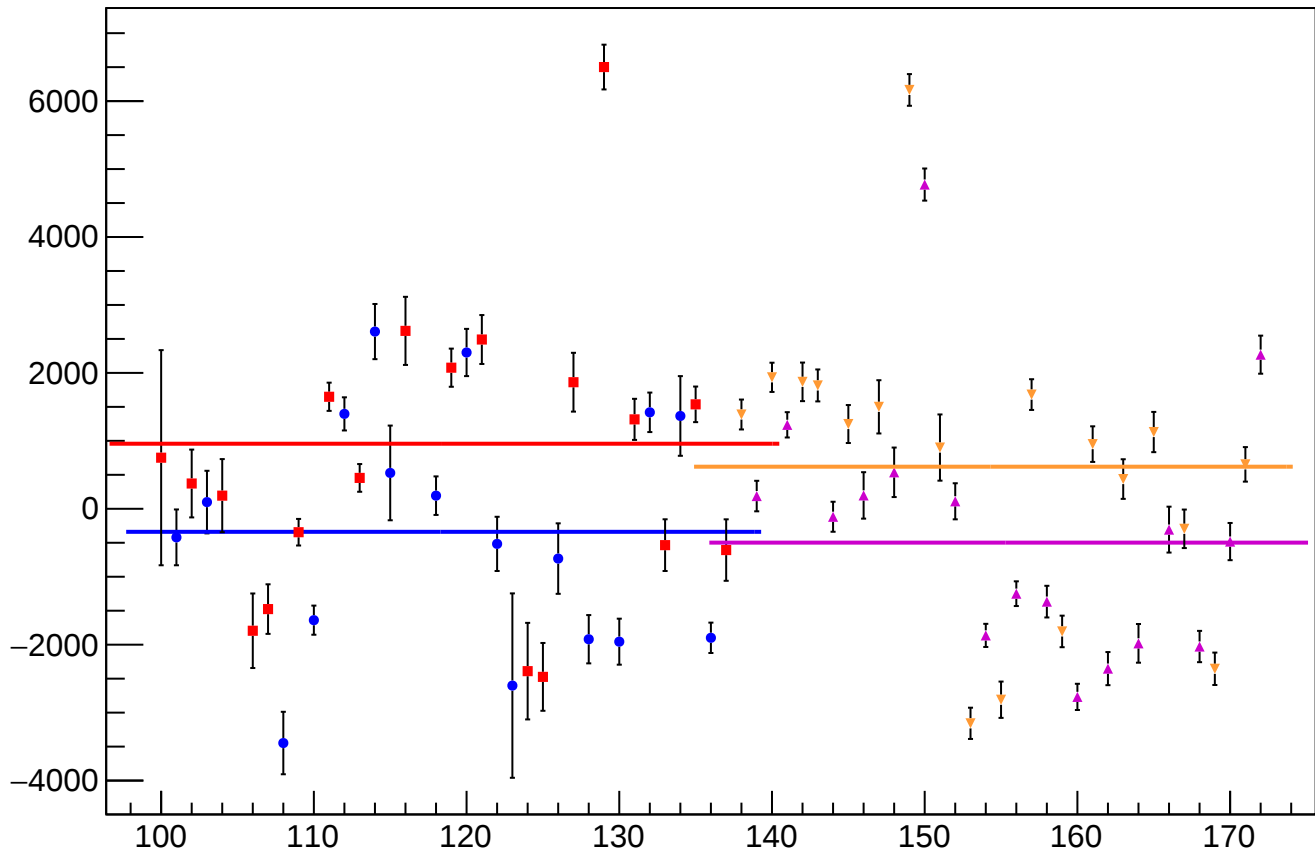
Left In: 200.792+/-0.041 χ^2/NDF : 864697.8/16

+ sign 214.284+/-0.035 χ^2/NDF : 1667963.2/34

All: 203.721+/-0.024 χ^2/NDF : 4077457.2/70

- sign 194.813+/-0.032 χ^2/NDF : 2241054.0/35

asym_bpm0l10WS_mean vs Slug



Right In: -338.966 ± 83.123 χ^2/NDF : 389.5/16

Left Out: 619.539 ± 60.981 χ^2/NDF : 1406.7/17

Right Out: 957.615 ± 75.749 χ^2/NDF : 570.3/18

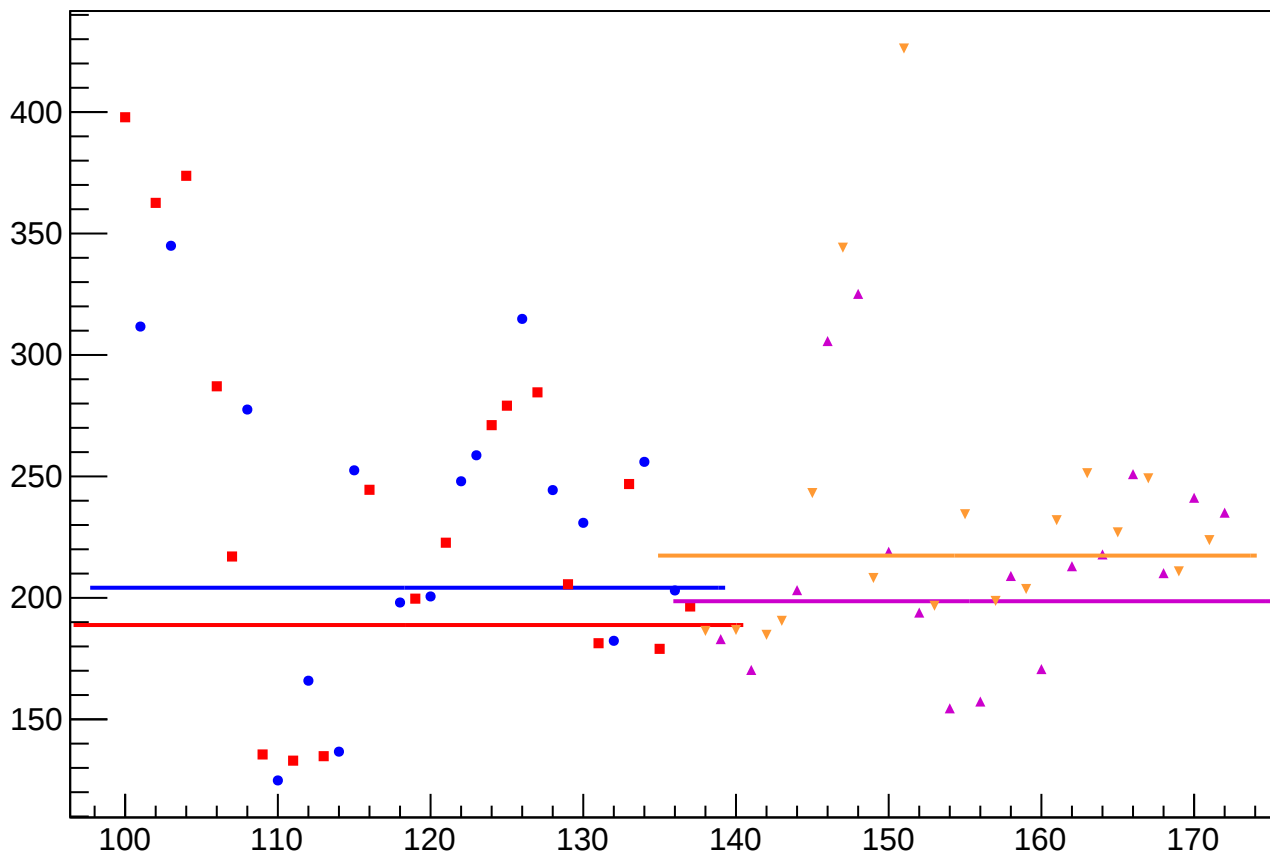
Left In: -498.038 ± 56.775 χ^2/NDF : 1074.2/16

+ sign 284.165 ± 49.168 χ^2/NDF : 1882.7/34

All: 144.667 ± 33.368 χ^2/NDF : 3778.5/70

- sign 25.571 ± 45.431 χ^2/NDF : 1880.9/35

asym_bpm0l10WS_rms vs Slug



Right In: 204.175 $\pm$ 0.059 χ^2 /NDF: 947438.5/16

Left Out: 217.408 $\pm$ 0.043 χ^2 /NDF: 837374.3/17

Right Out: 188.821 $\pm$ 0.054 χ^2 /NDF: 1314891.2/18

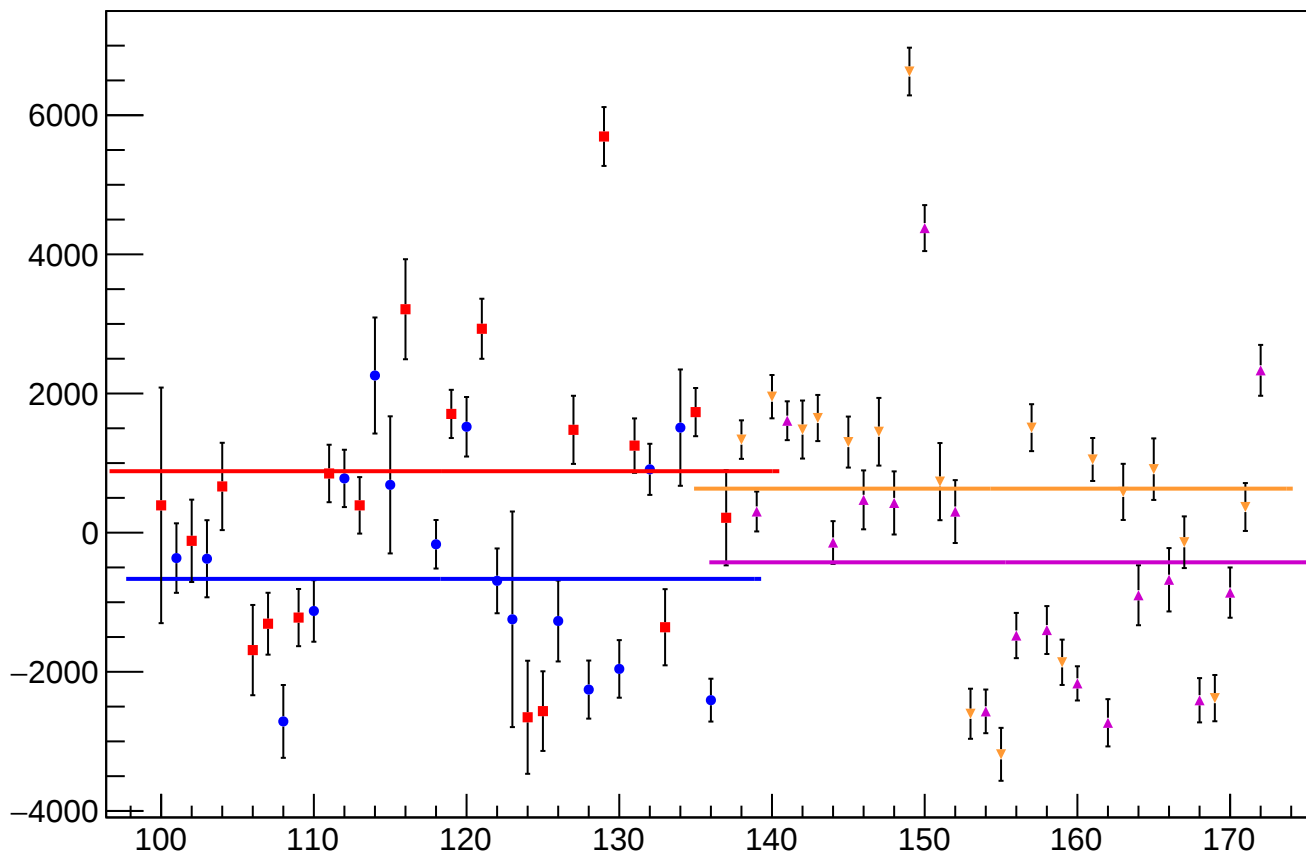
Left In: 198.622 $\pm$ 0.040 χ^2 /NDF: 944501.6/16

+ sign 212.778 $\pm$ 0.035 χ^2 /NDF: 1817766.1/34

All: 203.240 $\pm$ 0.024 χ^2 /NDF: 4238120.9/70

- sign 195.097 $\pm$ 0.032 χ^2 /NDF: 2280831.9/35

asym_bpm0r03WS_mean vs Slug



Right In: -664.383 ± 113.949 χ^2/NDF : 154.3/16

Left Out: 632.653 ± 84.241 χ^2/NDF : 686.0/17

Right Out: 883.255 ± 110.875 χ^2/NDF : 320.1/18

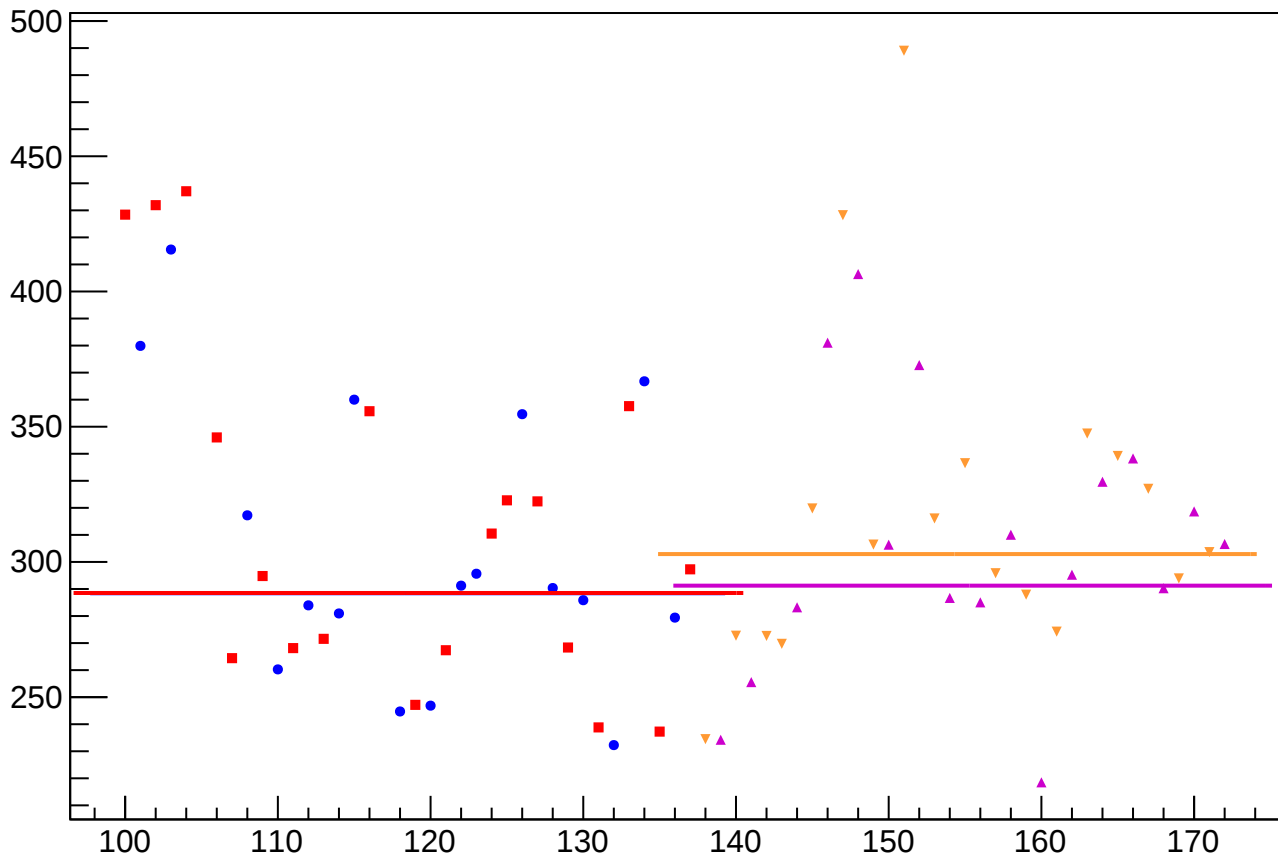
Left In: -426.273 ± 82.050 χ^2/NDF : 542.4/16

+ sign 174.284 ± 67.739 χ^2/NDF : 924.1/34

All: 103.863 ± 47.255 χ^2/NDF : 1878.8/70

- sign 37.105 ± 65.954 χ^2/NDF : 952.6/35

asym_bpm0r03WS_rms vs Slug



Right In: 288.428 $\pm$ 0.081 χ^2 /NDF: 339820.0/16

Left Out: 302.910 $\pm$ 0.060 χ^2 /NDF: 622284.8/17

Right Out: 288.522 $\pm$ 0.078 χ^2 /NDF: 455410.1/18

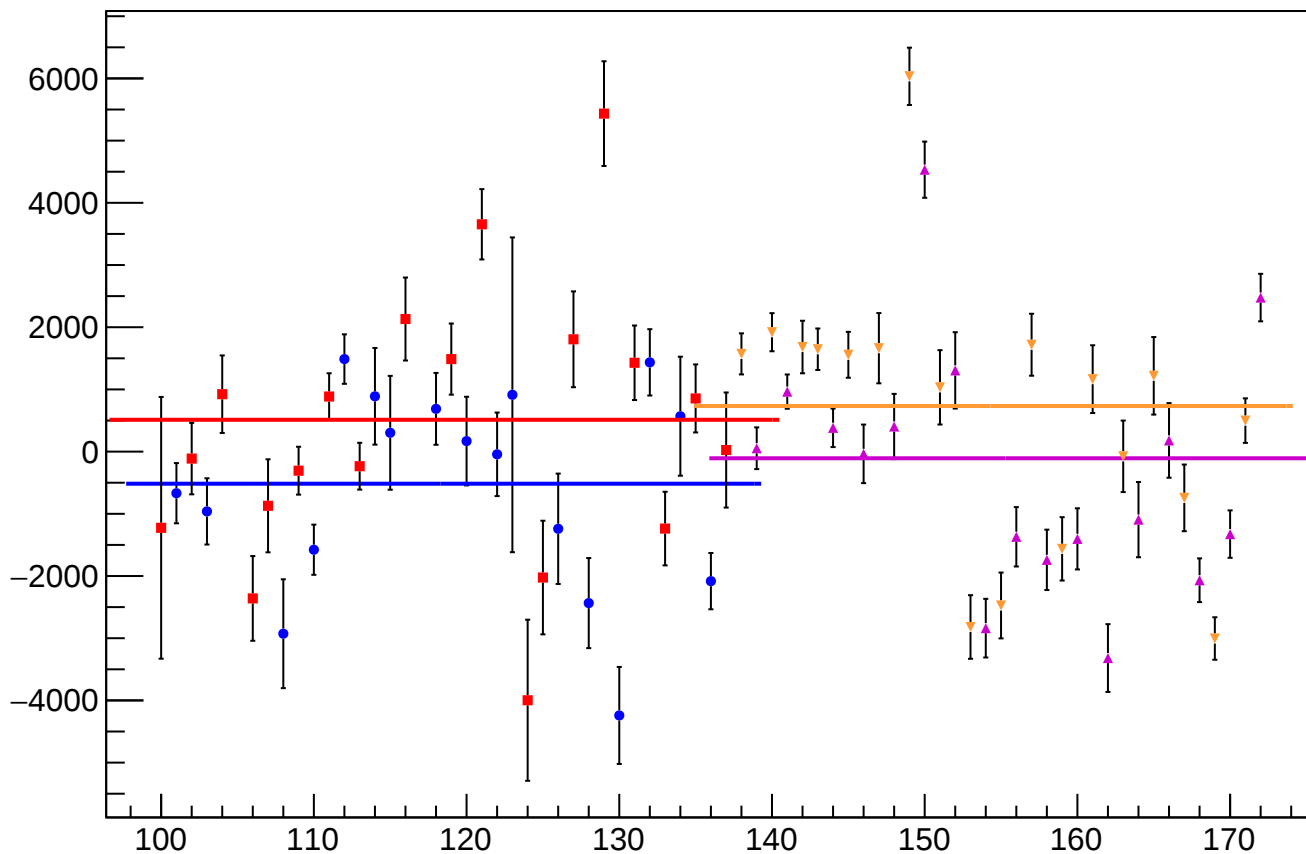
Left In: 291.232 $\pm$ 0.058 χ^2 /NDF: 635985.7/16

+ sign 297.792 $\pm$ 0.048 χ^2 /NDF: 982992.4/34

All: 293.932 $\pm$ 0.033 χ^2 /NDF: 2087809.5/70

- sign 290.273 $\pm$ 0.047 χ^2 /NDF: 1092168.0/35

asym_bpm0r05WS_mean vs Slug



Right In: -515.894 ± 147.326 $\chi^2/\text{NDF}: 108.0/16$

Left Out: 732.849 ± 101.785 $\chi^2/\text{NDF}: 414.5/17$

Right Out: 511.851 ± 135.798 $\chi^2/\text{NDF}: 141.3/18$

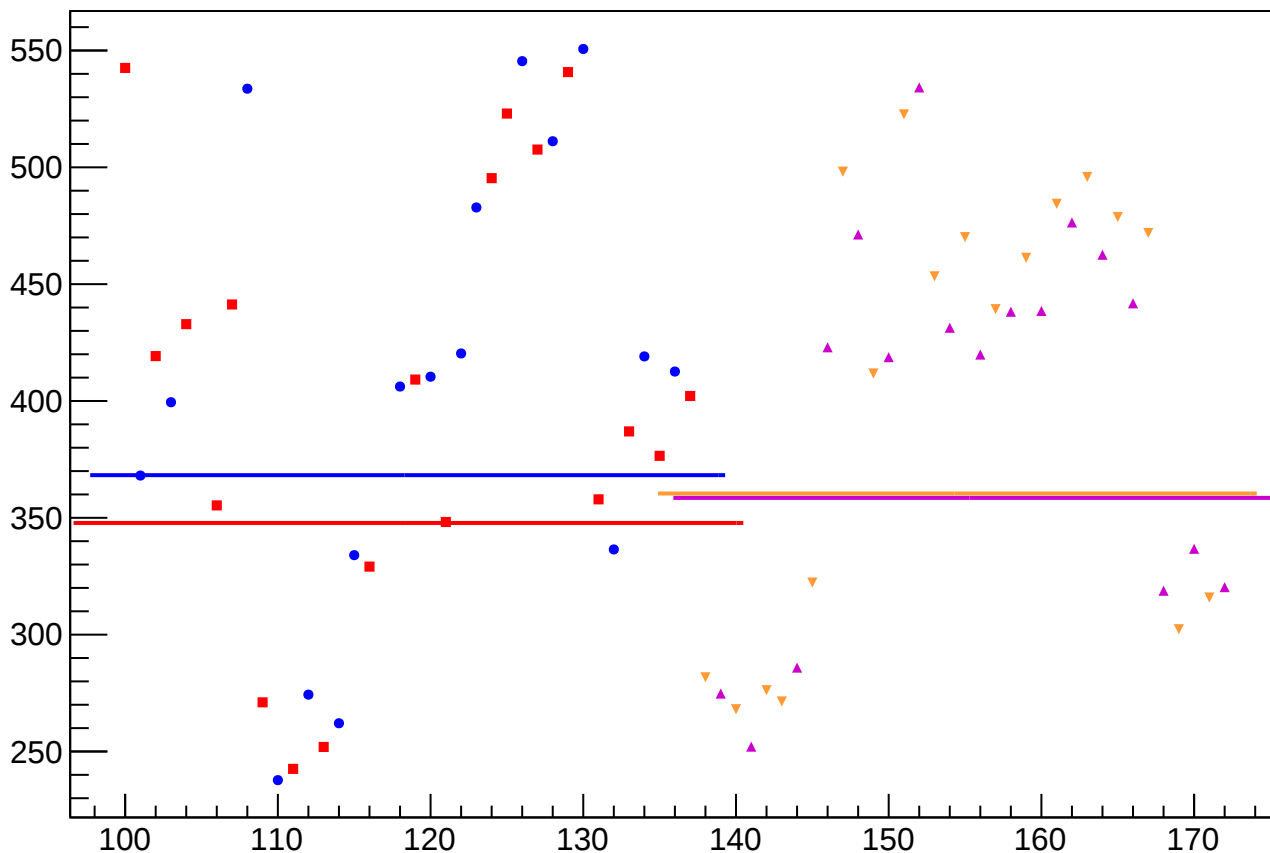
Left In: -107.017 ± 101.956 $\chi^2/\text{NDF}: 313.2/16$

+ sign 329.382 ± 83.743 $\chi^2/\text{NDF}: 571.2/34$

All: 219.879 ± 58.419 $\chi^2/\text{NDF}: 1042.3/70$

- sign 116.077 ± 81.534 $\chi^2/\text{NDF}: 467.8/35$

asym_bpm0r05WS_rms vs Slug



Right In: 368.264+/-0.104 χ^2/NDF : 770116.6/16

Left Out: 360.412+/-0.072 χ^2/NDF : 1572502.3/17

Right Out: 347.802+/-0.096 χ^2/NDF : 821862.5/18

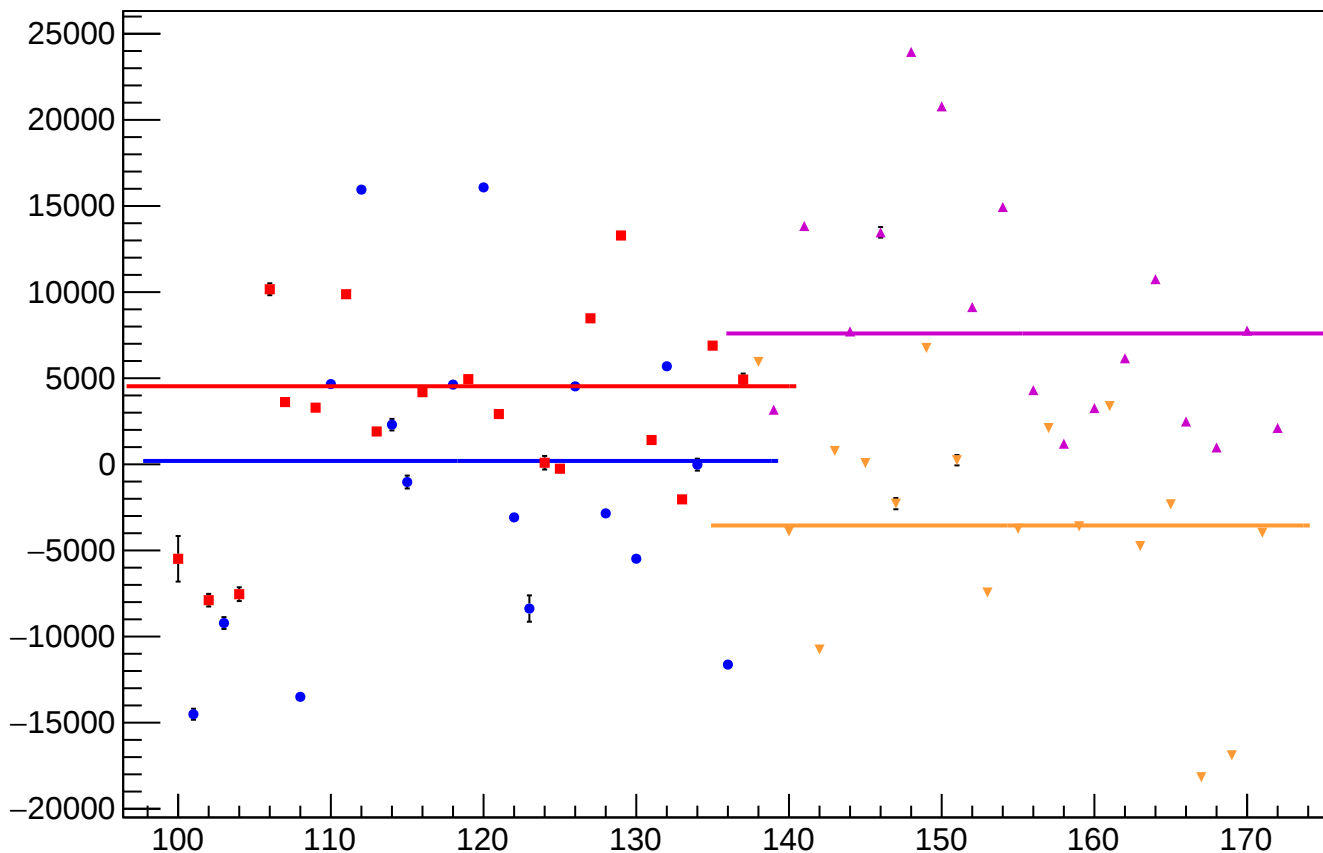
Left In: 358.536+/-0.072 χ^2/NDF : 1294261.7/16

+ sign 362.949+/-0.059 χ^2/NDF : 2346464.1/34

All: 358.697+/-0.041 χ^2/NDF : 4480623.3/70

- sign 354.666+/-0.058 χ^2/NDF : 2124114.8/35

asym_bpm0i02WS_mean vs Slug



Right In: 197.008 $\pm$ 54.799 χ^2 /NDF: 30658.3/16

Left Out: -3550.364 $\pm$ 47.085 χ^2 /NDF:19806.9/17

Right Out: 4534.200 $\pm$ 52.462 χ^2 /NDF: 7477.2/18

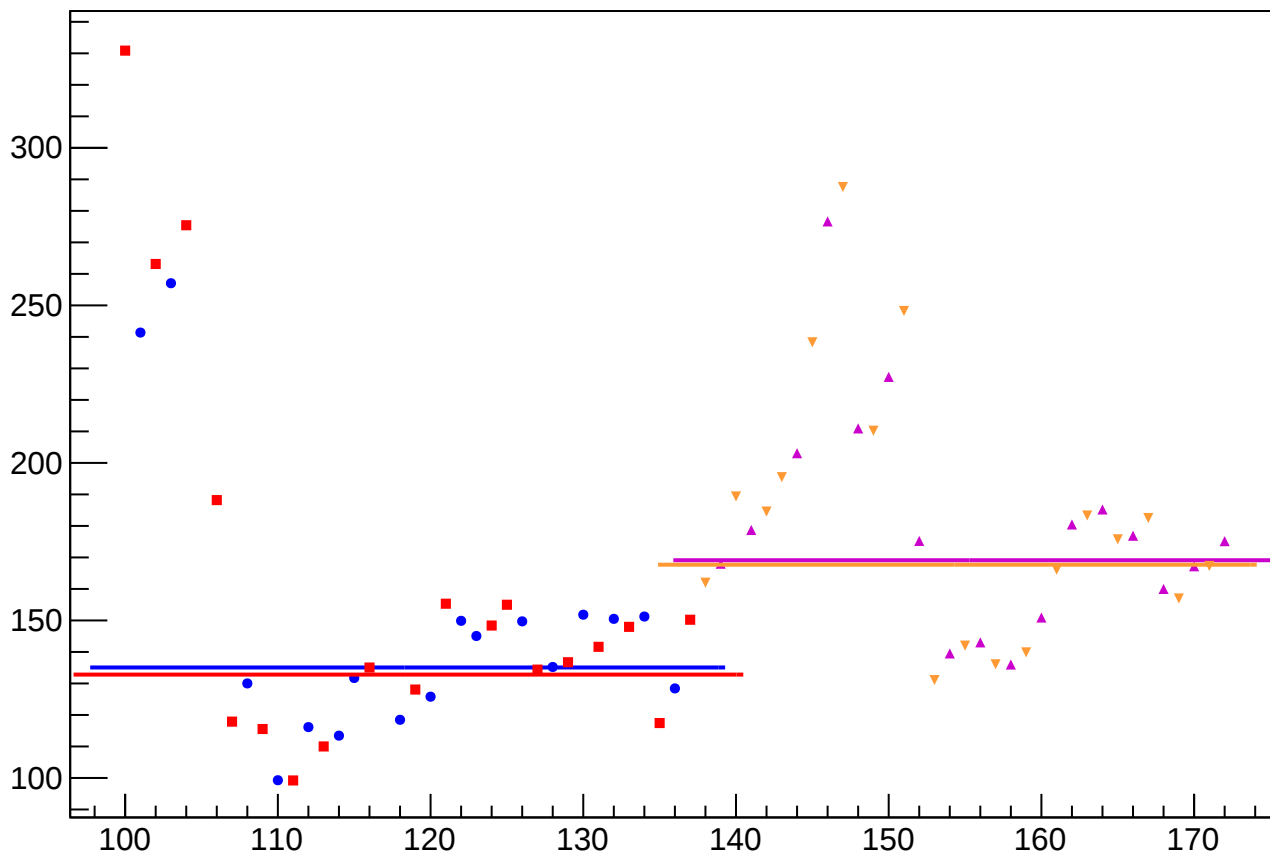
Left In: 7599.351 $\pm$ 48.089 χ^2 /NDF:17192.2/16

+ sign -1958.783 $\pm$ 35.712 χ^2 /NDF: 53155.5/34

All: 2150.668 $\pm$ 25.159 χ^2 /NDF: 105968.0/70

- sign 6199.807 $\pm$ 35.449 χ^2 /NDF: 26524.4/35

asym_bpm0i02WS_rms vs Slug



Right In: 135.072+/-0.039 χ^2/NDF : 658703.5/16

Left Out: 167.695+/-0.033 χ^2/NDF : 1020786.2/17

Right Out: 132.816+/-0.037 χ^2/NDF : 831191.5/18

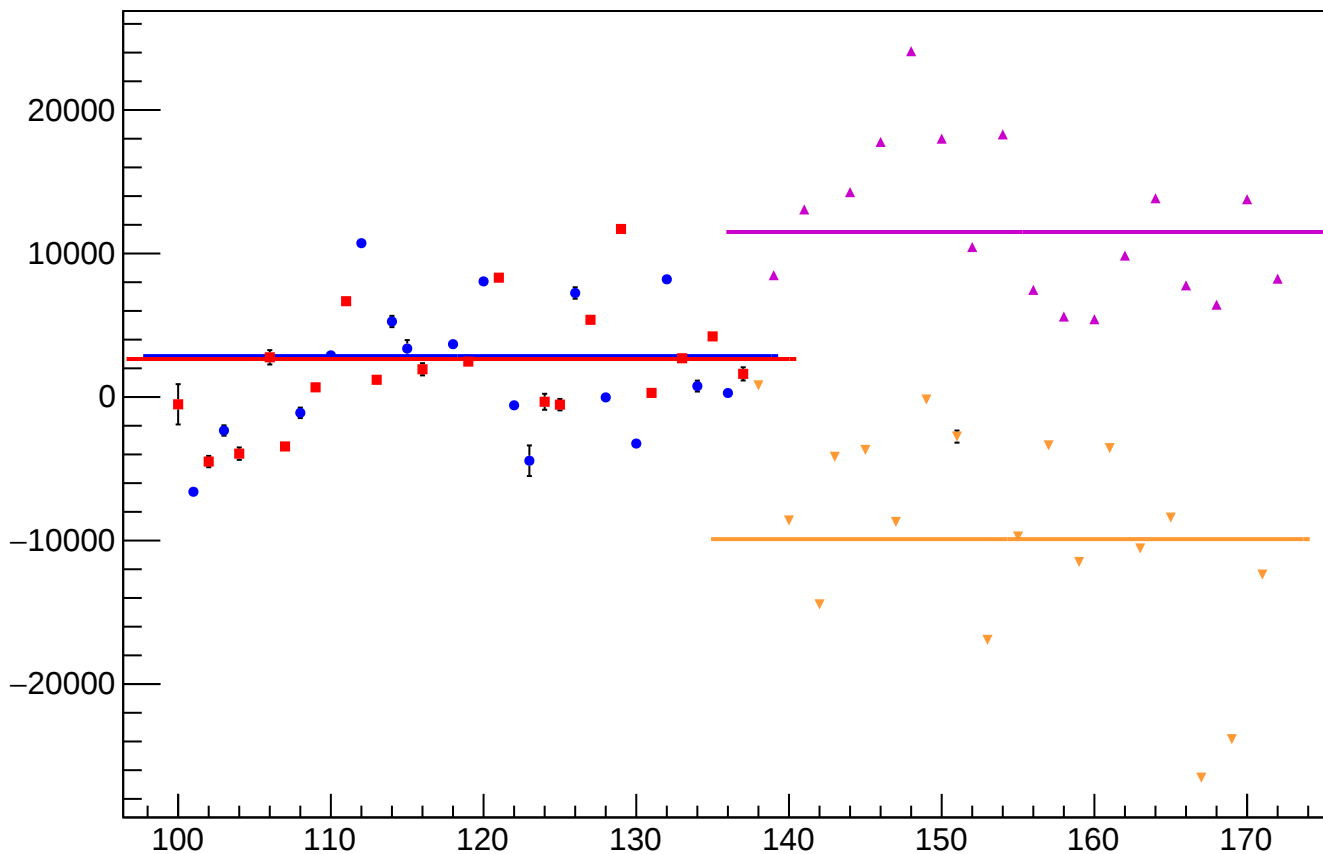
Left In: 169.110+/-0.034 χ^2/NDF : 738636.3/16

+ sign 153.839+/-0.025 χ^2/NDF : 2087262.5/34

All: 153.184+/-0.018 χ^2/NDF : 4178586.0/70

- sign 152.538+/-0.025 χ^2/NDF : 2089987.2/35

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437 $\pm$ 70.753 χ^2 /NDF: 4178.1/16

Left Out: -990.273 $\pm$ 53.180 χ^2 /NDF:21012.0/17

Right Out: 2649.142 $\pm$ 65.731 χ^2 /NDF: 3175.7/18

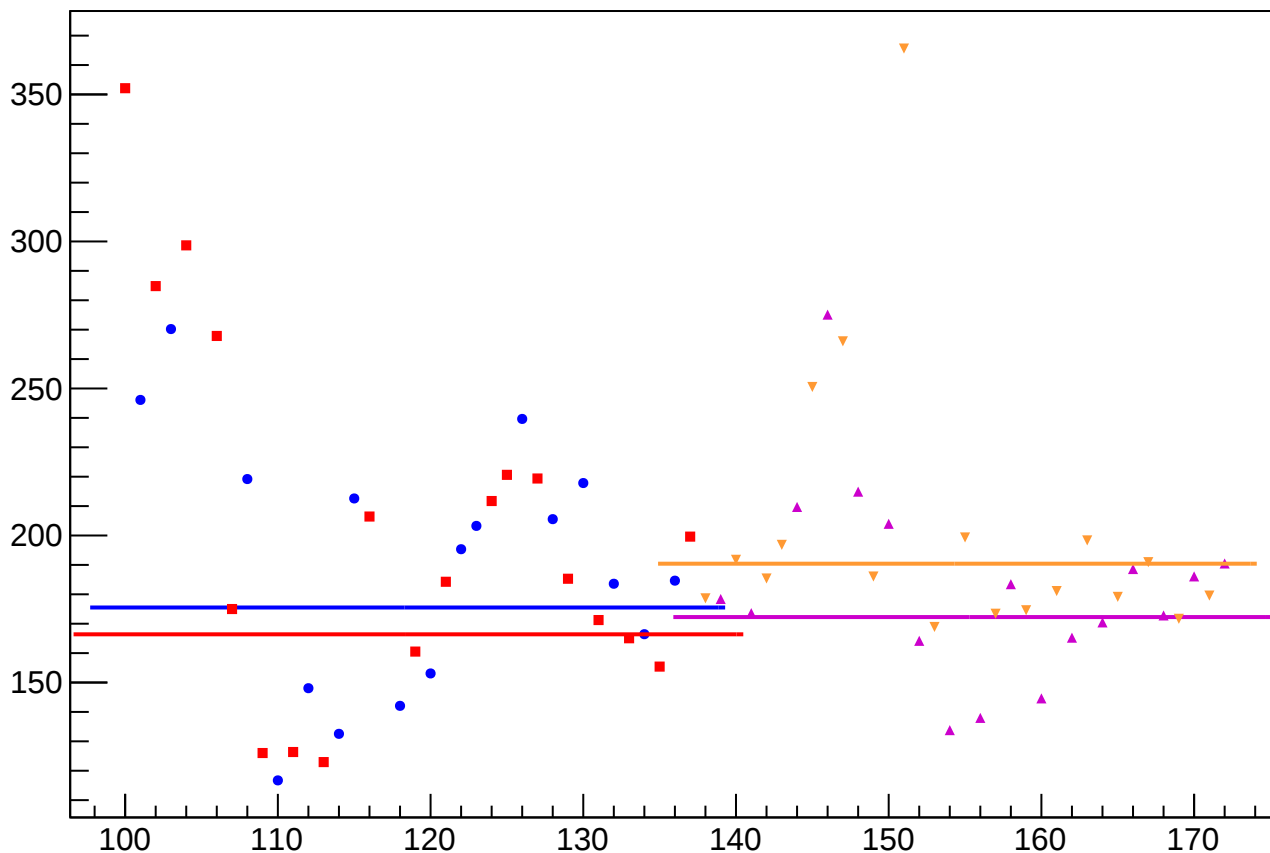
Left In: 11500.001 $\pm$ 49.042 χ^2 /NDF:10804.2/16

+ sign -5296.977 $\pm$ 42.511 χ^2 /NDF: 45946.4/34

All: 2051.944 $\pm$ 28.860 χ^2 /NDF: 127009.1/70

- sign 8334.924 $\pm$ 39.307 χ^2 /NDF: 25627.5/35

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514 $\pm$ 0.050 χ^2 /NDF: 689642.3/16

Left Out: 190.410 $\pm$ 0.038 χ^2 /NDF: 656155.6/17

Right Out: 166.393 $\pm$ 0.046 χ^2 /NDF: 929534.5/18

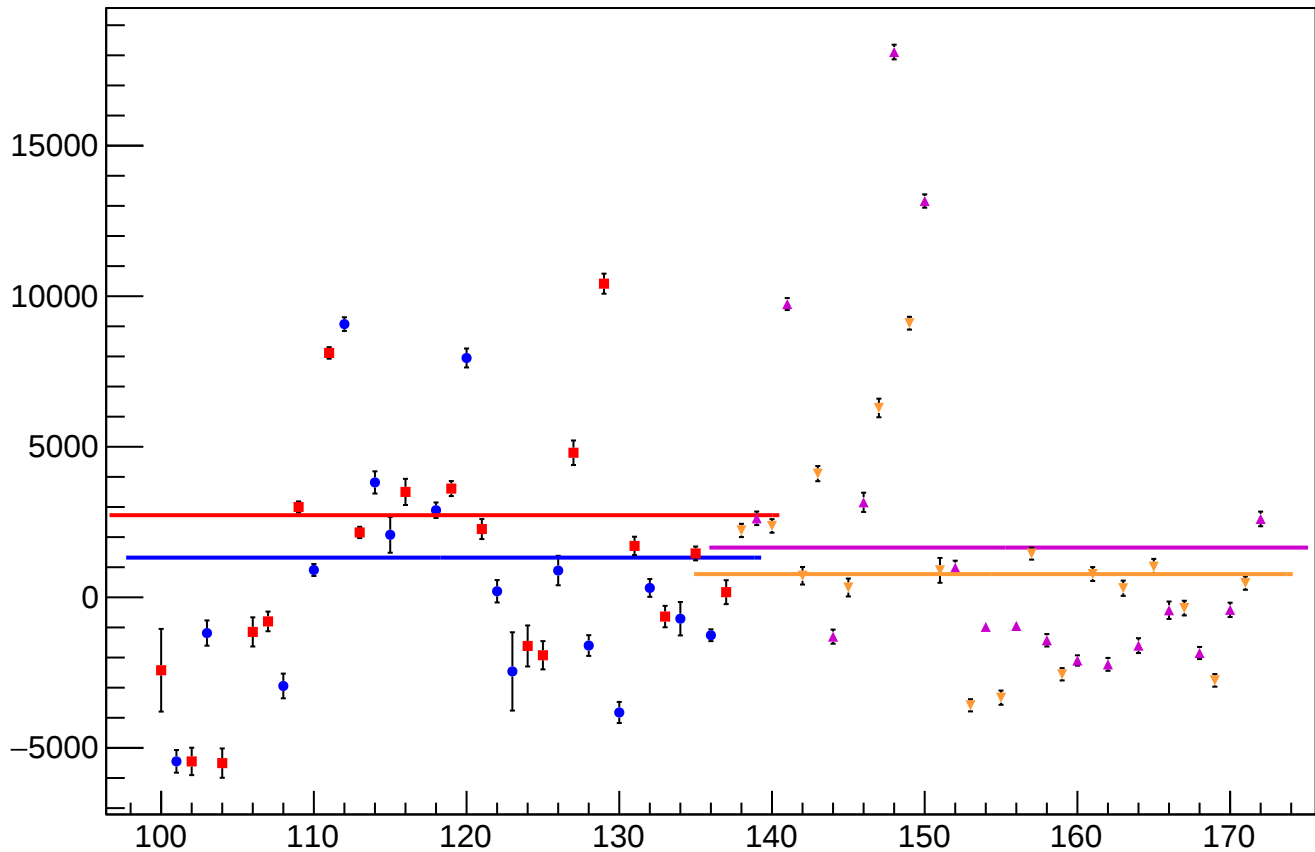
Left In: 172.262 $\pm$ 0.035 χ^2 /NDF: 710439.7/16

+ sign 185.033 $\pm$ 0.030 χ^2 /NDF: 1402443.7/34

All: 177.017 $\pm$ 0.020 χ^2 /NDF: 3184576.6/70

- sign 170.163 $\pm$ 0.028 χ^2 /NDF: 1650218.2/35

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009 $\pm$ 77.146 χ^2 /NDF: 2667.0/16

Left Out: 771.369 $\pm$ 56.147 χ^2 /NDF:3467.1/17

Right Out: 2727.798 $\pm$ 70.029 χ^2 /NDF: 2495.9/18

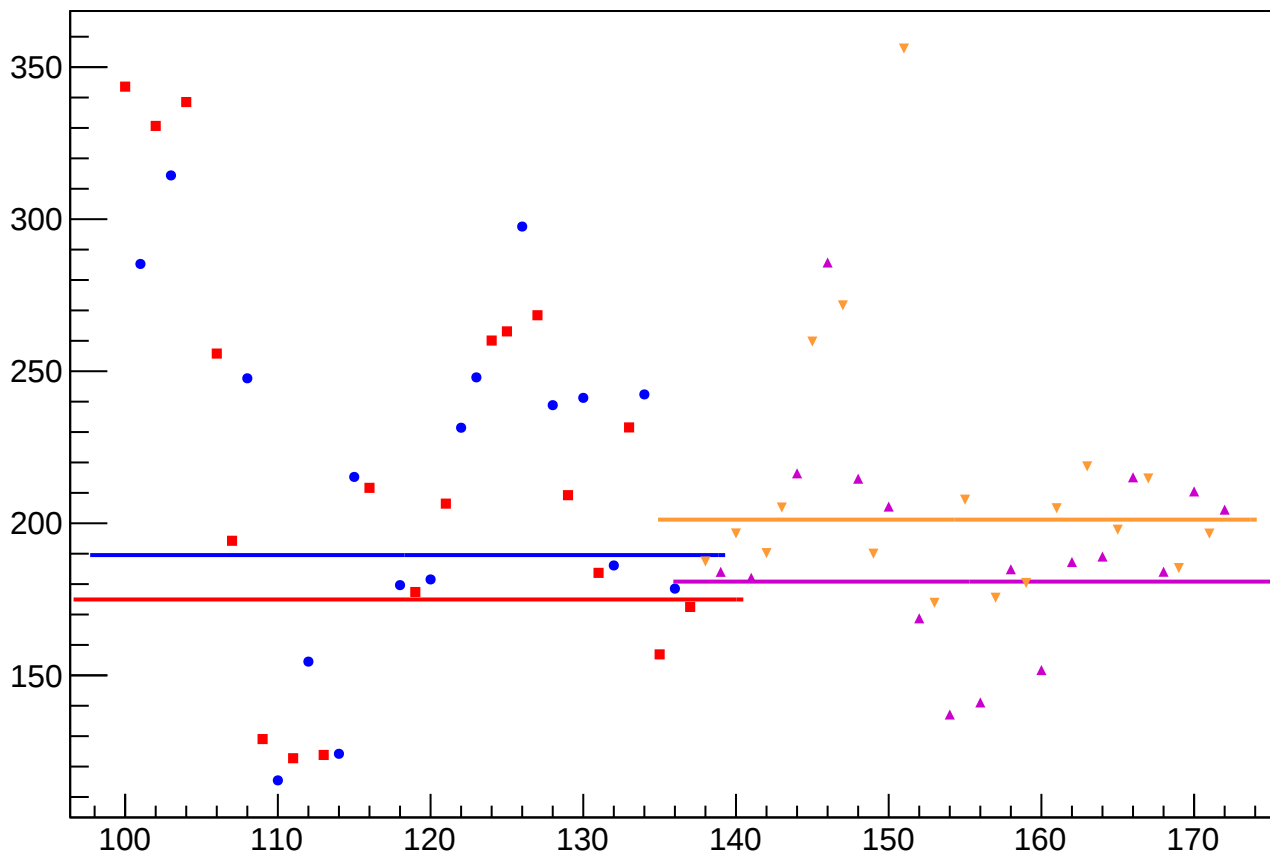
Left In: 1652.600 $\pm$ 51.553 χ^2 /NDF:11302.8/16

+ sign 961.006 $\pm$ 45.397 χ^2 /NDF: 6167.0/34

All: 1543.402 $\pm$ 30.637 χ^2 /NDF: 20420.8/70

- sign 2030.497 $\pm$ 41.517 χ^2 /NDF: 13951.6/35

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 $\pm$ 0.055 χ^2 /NDF: 980744.6/16

Left Out: 201.202 $\pm$ 0.040 χ^2 /NDF: 601848.4/17

Right Out: 174.944 $\pm$ 0.050 χ^2 /NDF: 1297106.6/18

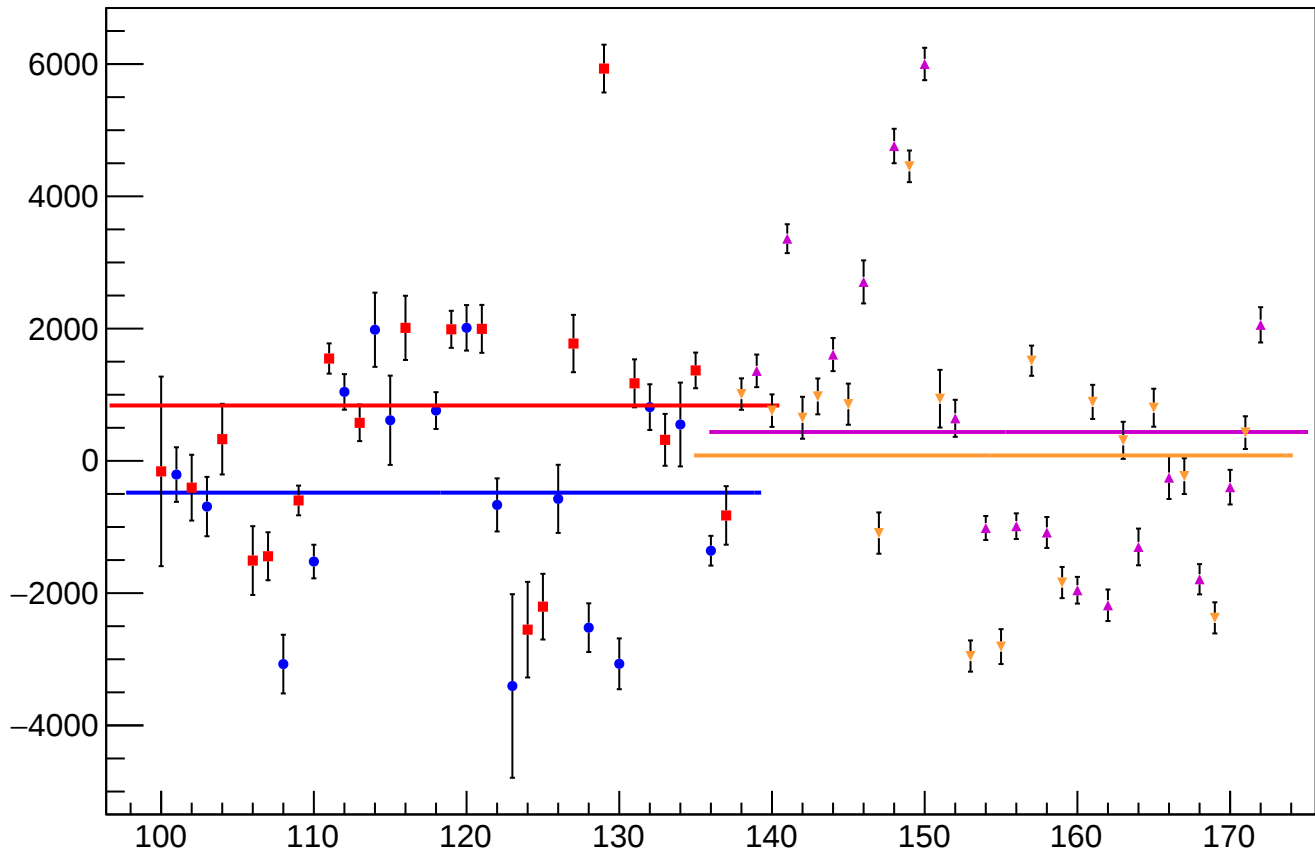
Left In: 180.823 $\pm$ 0.036 χ^2 /NDF: 757073.6/16

+ sign 197.165 $\pm$ 0.032 χ^2 /NDF: 1612445.8/34

All: 187.140 $\pm$ 0.022 χ^2 /NDF: 3854855.1/70

- sign 178.756 $\pm$ 0.029 χ^2 /NDF: 2063321.3/35

asym_bpm0i07WS_mean vs Slug



Right In: -480.578 ± 88.640 χ^2/NDF : 290.7/16

Left Out: 82.318 ± 62.201 χ^2/NDF : 914.7/17

Right Out: 837.442 ± 82.243 χ^2/NDF : 435.3/18

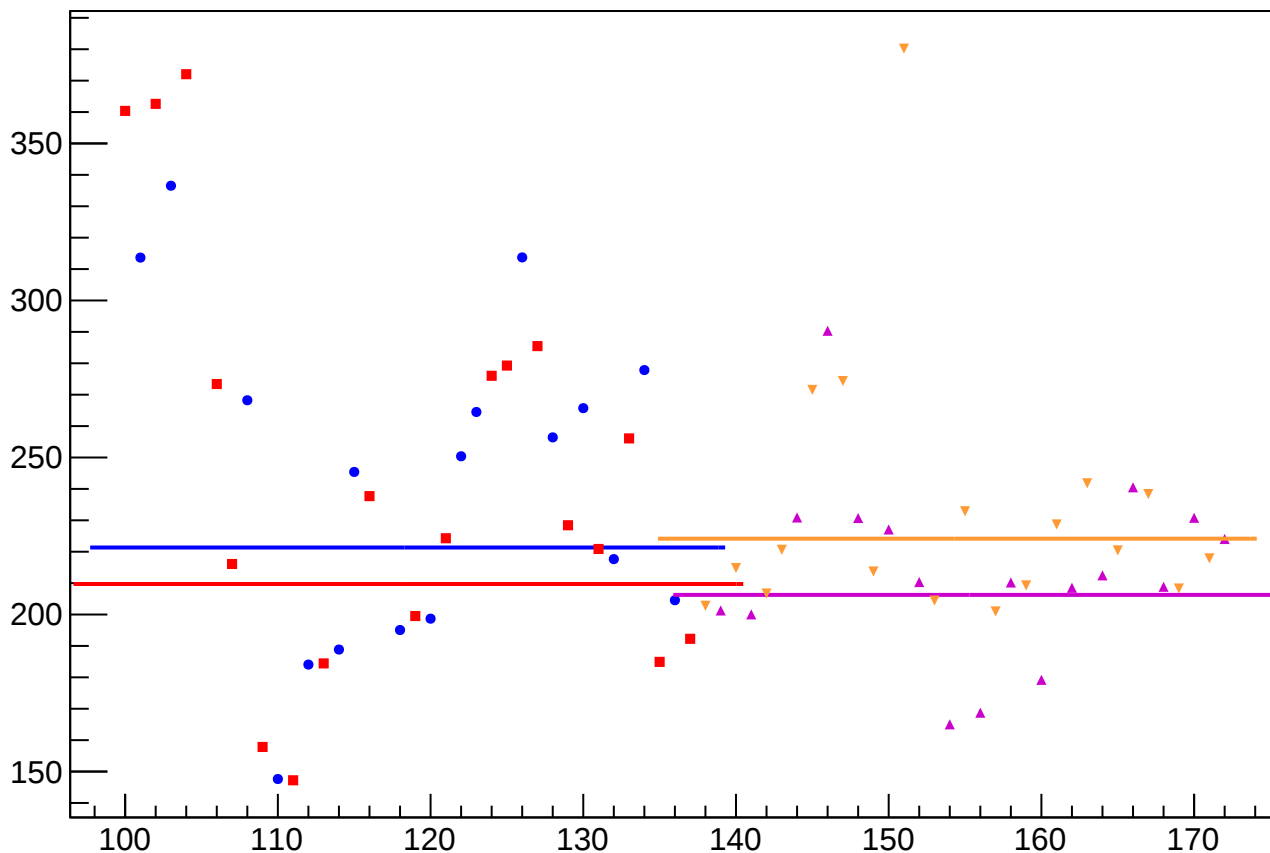
Left In: 436.447 ± 58.251 χ^2/NDF : 1662.6/16

+ sign -103.407 ± 50.916 χ^2/NDF : 1232.5/34

All: 256.608 ± 34.746 χ^2/NDF : 3439.8/70

- sign 570.406 ± 47.535 χ^2/NDF : 2113.7/35

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 224.152 $\pm$ 0.044 χ^2 /NDF: 452663.1/17

Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

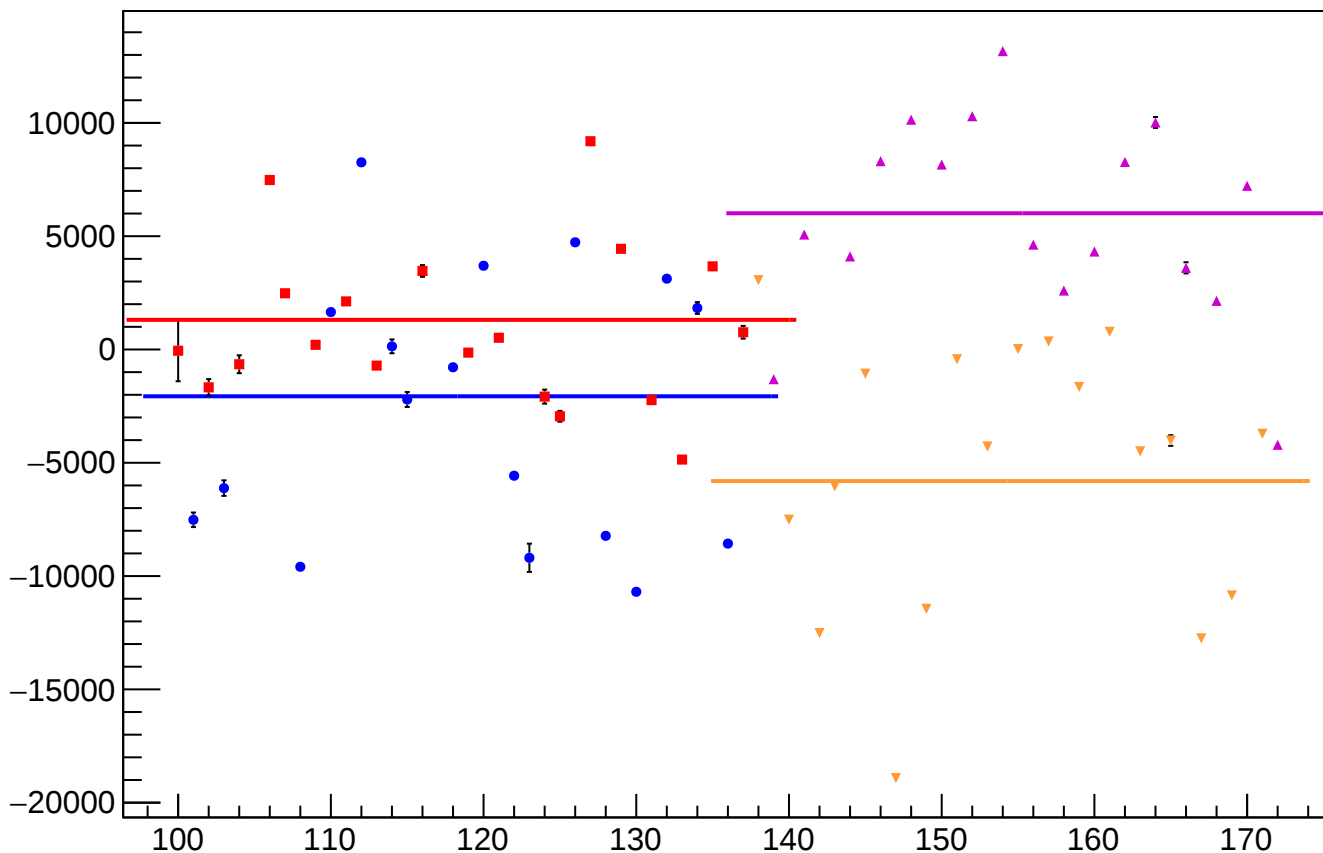
Left In: 206.253 $\pm$ 0.041 χ^2 /NDF: 452900.9/16

+ sign 223.225 $\pm$ 0.036 χ^2 /NDF: 1099698.1/34

All: 214.775 $\pm$ 0.025 χ^2 /NDF: 2541975.6/70

- sign 207.410 $\pm$ 0.034 χ^2 /NDF: 1339180.7/35

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 χ^2/NDF : 16533.3/16

Left Out: -5807.080 ± 36.075 χ^2/NDF : 30142.5/17

Right Out: 1308.512 ± 45.001 χ^2/NDF : 5894.4/18

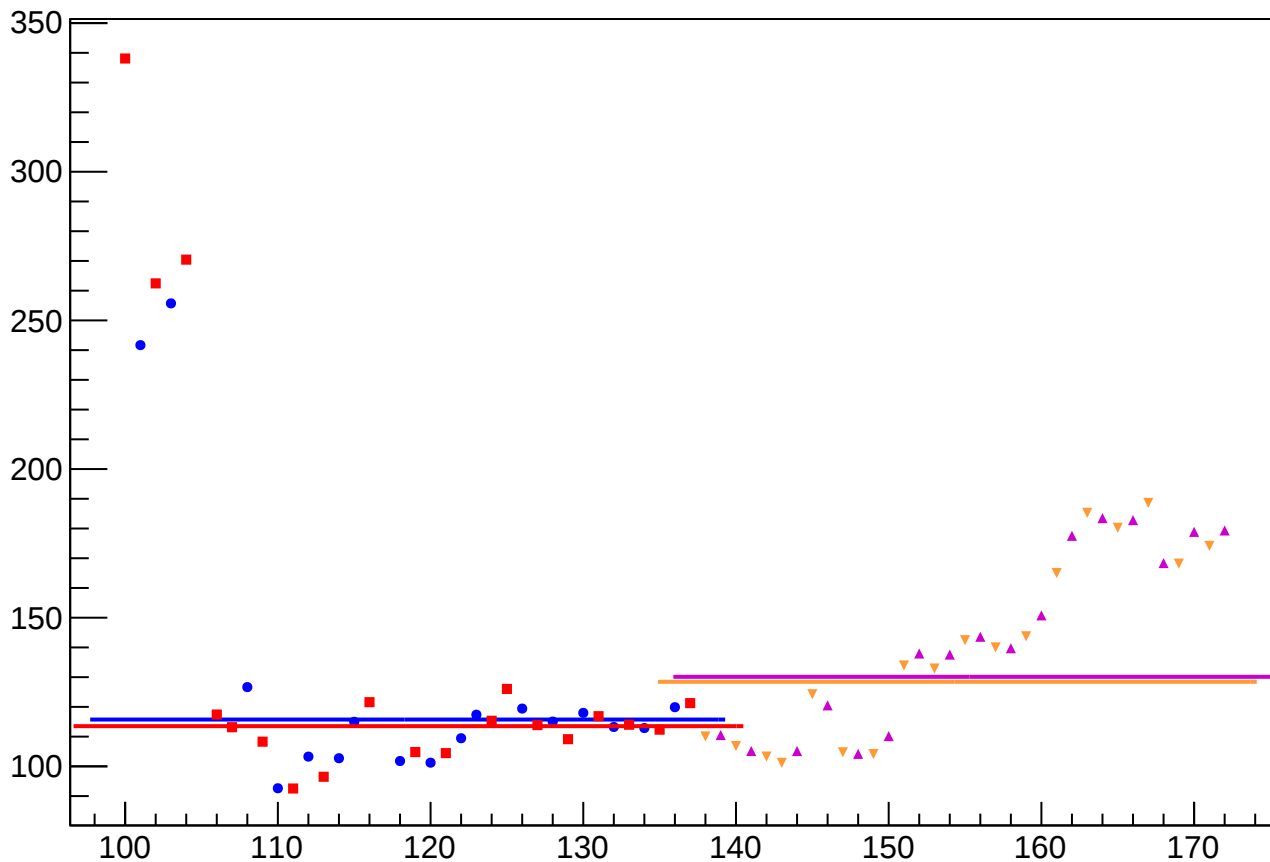
Left In: 6011.899 ± 36.873 χ^2/NDF : 12005.0/16

+ sign -4431.752 ± 28.689 χ^2/NDF : 50630.3/34

All: -129.451 ± 20.227 χ^2/NDF : 119779.9/70

- sign 4122.591 ± 28.521 χ^2/NDF : 24435.2/35

asym_bpm1i02WS_rms vs Slug



Right In: 115.741+/-0.033 χ^2/NDF : 744017.7/16

Left Out: 128.441+/-0.026 χ^2/NDF : 1125852.0/17

Right Out: 113.519+/-0.032 χ^2/NDF : 796640.6/18

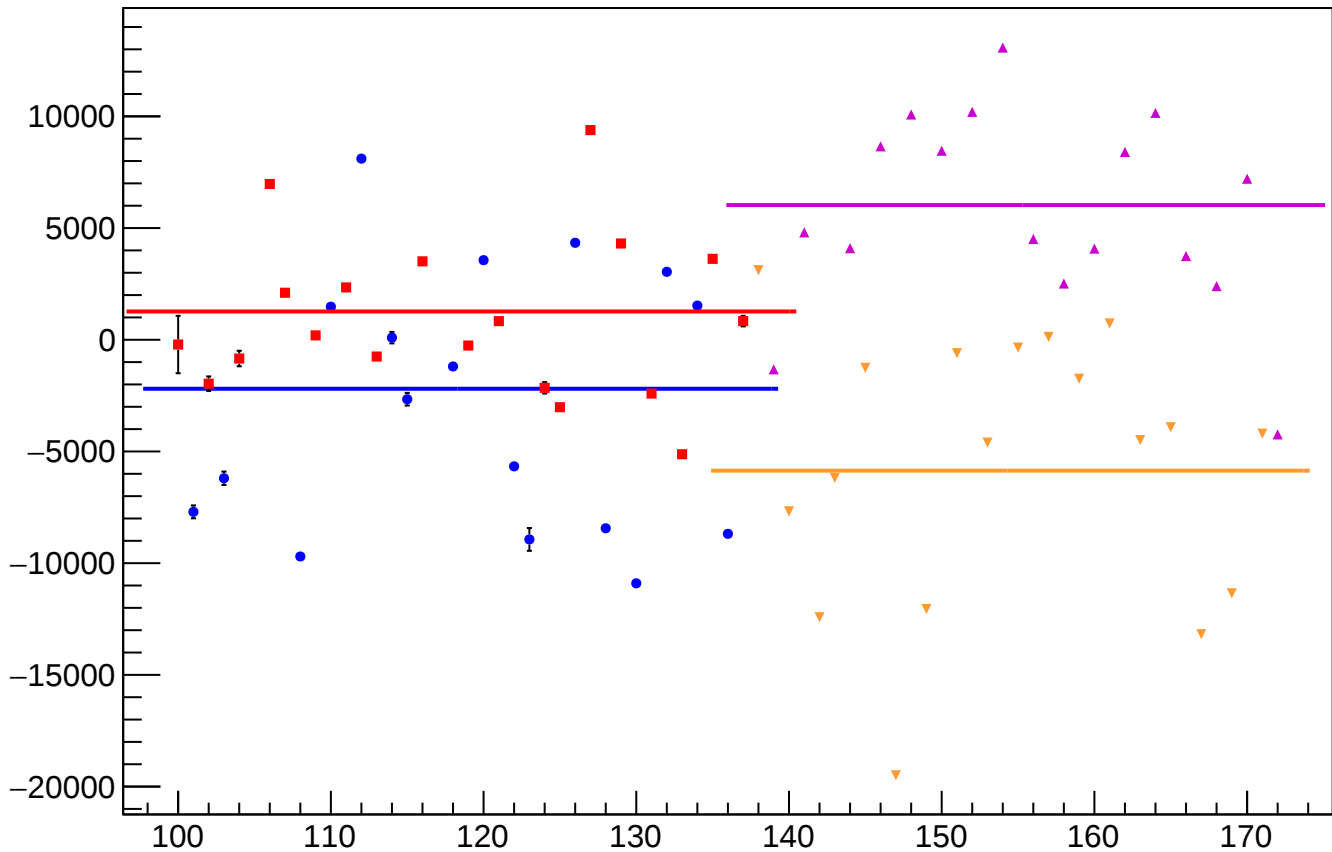
Left In: 130.115+/-0.026 χ^2/NDF : 1059627.3/16

+ sign 123.773+/-0.020 χ^2/NDF : 1960974.7/34

All: 123.610+/-0.014 χ^2/NDF : 3980111.1/70

- sign 123.448+/-0.020 χ^2/NDF : 2019007.8/35

asym_bpm1i04WS_mean vs Slug



Right In: -2192.327 ± 39.944 χ^2/NDF : 22813.5/16

Left Out: -5858.597 ± 32.636 χ^2/NDF : 36919.3/17

Right Out: 1266.189 ± 38.048 χ^2/NDF : 8550.5/18

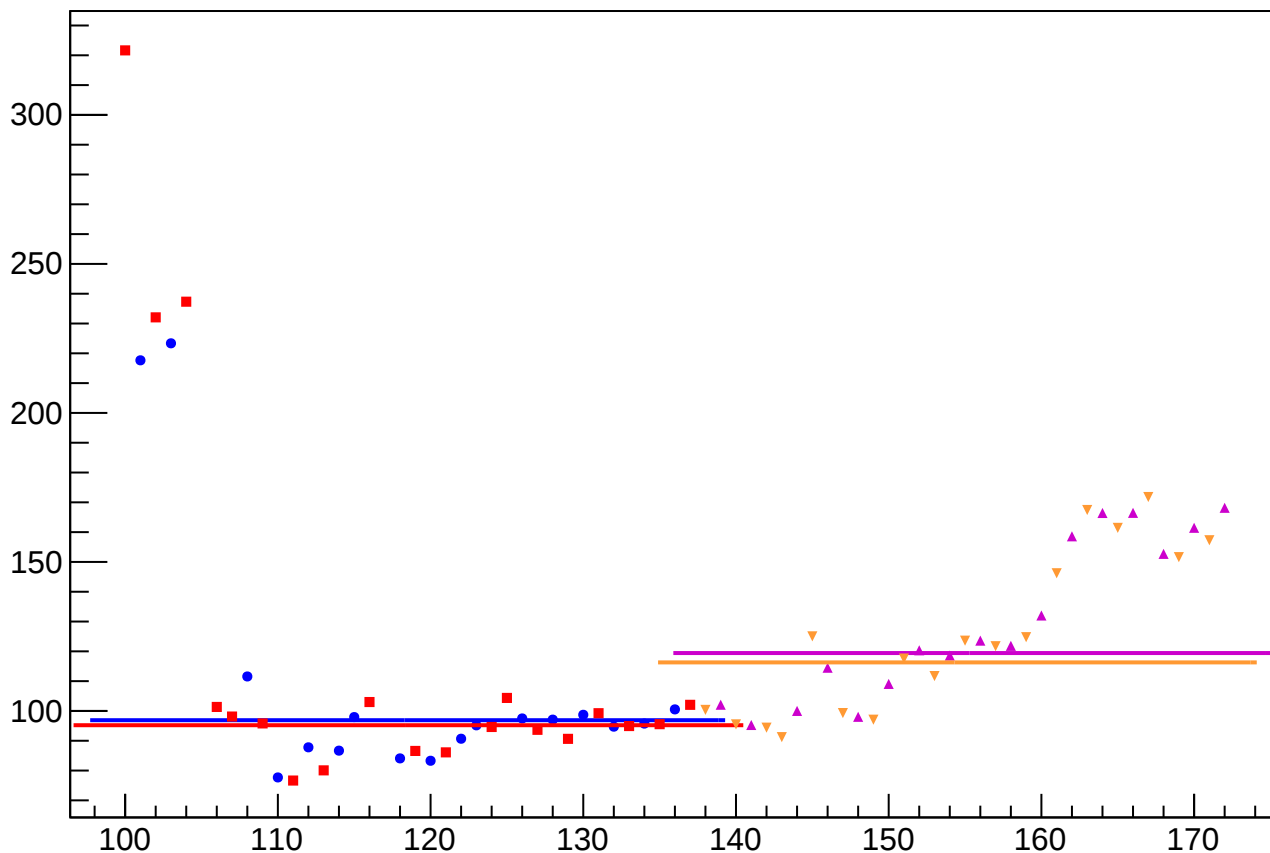
Left In: 6029.026 ± 33.763 χ^2/NDF : 14641.7/16

+ sign -4390.898 ± 25.273 χ^2/NDF : 64784.9/34

All: -226.876 ± 17.864 χ^2/NDF : 150995.1/70

- sign 3930.803 ± 25.254 χ^2/NDF : 31958.8/35

asym_bpm1i04WS_rms vs Slug



Right In: 96.894 $\pm$ 0.028 χ^2 /NDF: 817229.9/16

Left Out: 116.289 $\pm$ 0.023 χ^2 /NDF: 1028358.8/17

Right Out: 95.213 $\pm$ 0.027 χ^2 /NDF: 859809.7/18

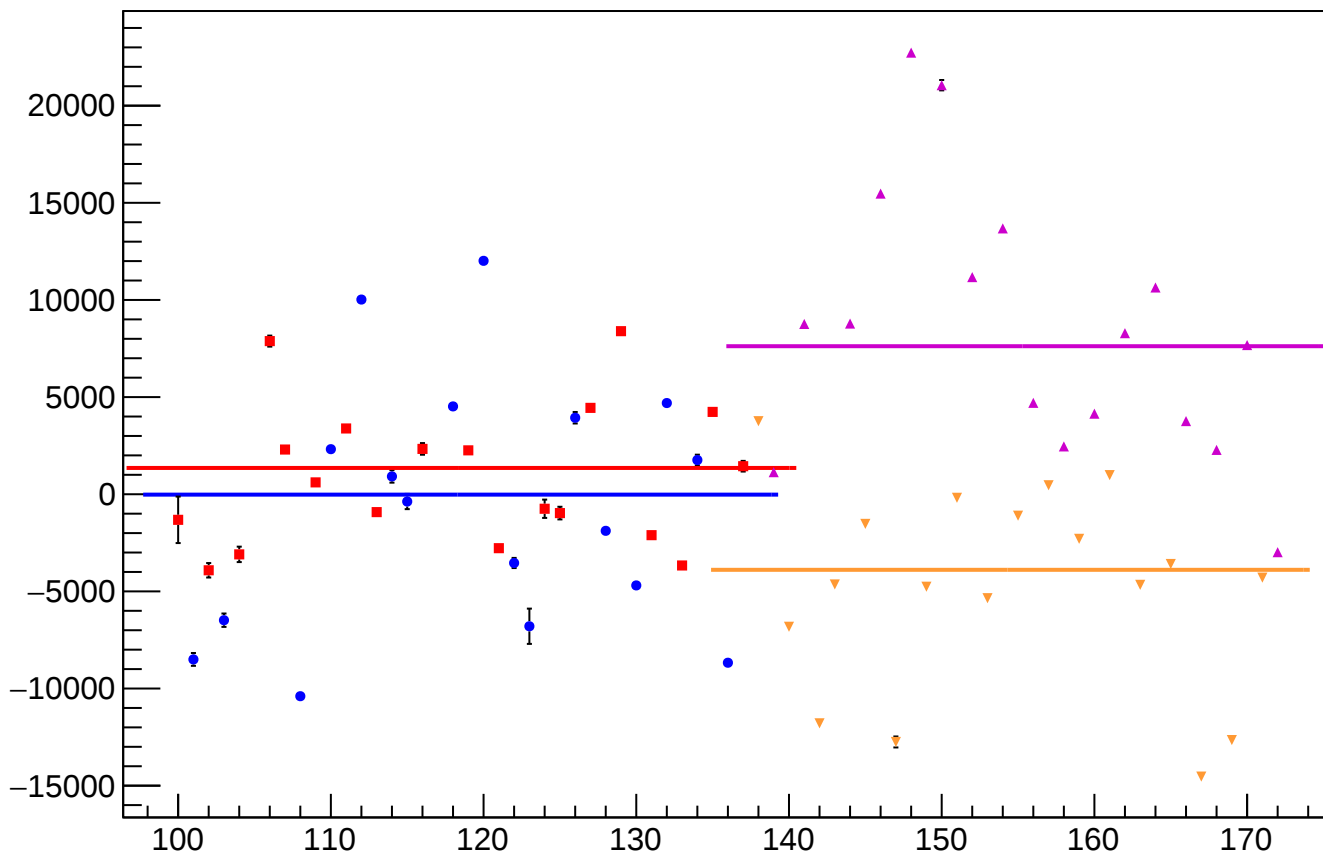
Left In: 119.429 $\pm$ 0.024 χ^2 /NDF: 892127.2/16

+ sign 108.525 $\pm$ 0.018 χ^2 /NDF: 2128359.9/34

All: 108.643 $\pm$ 0.013 χ^2 /NDF: 4333617.1/70

- sign 108.761 $\pm$ 0.018 χ^2 /NDF: 2205169.7/35

asym_bpm1i06WS_mean vs Slug



Right In: -19.990 ± 54.643 $\chi^2/\text{NDF}: 16361.0/16$

Left Out: -3889.892 ± 44.598 $\chi^2/\text{NDF}: 11660.6/17$

Right Out: 1353.461 ± 52.367 $\chi^2/\text{NDF}: 3837.2/18$

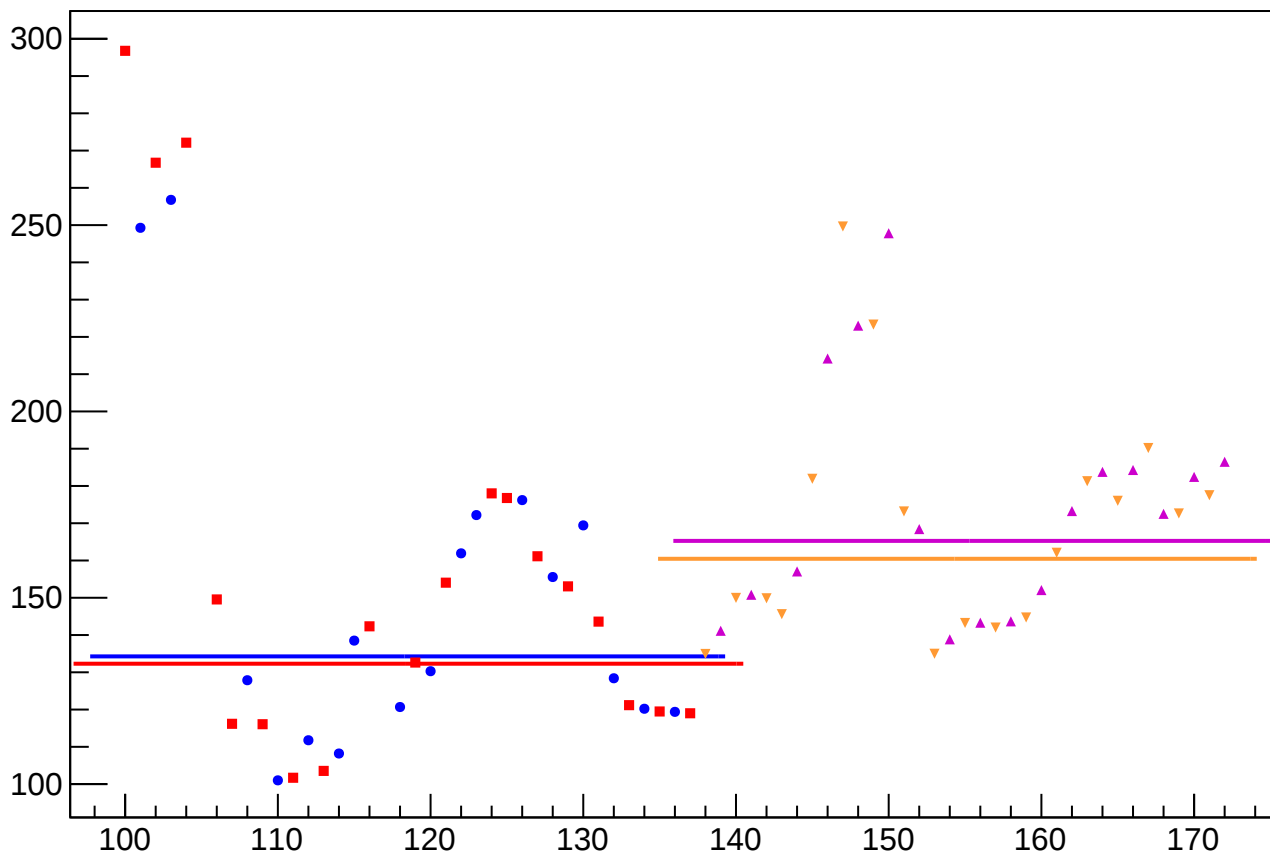
Left In: 7619.521 ± 46.496 $\chi^2/\text{NDF}: 15813.9/16$

+ sign -2342.673 ± 34.551 $\chi^2/\text{NDF}: 31032.0/34$

All: 1234.751 ± 24.508 $\chi^2/\text{NDF}: 80265.4/70$

- sign 4857.307 ± 34.769 $\chi^2/\text{NDF}: 27657.4/35$

asym_bpm1i06WS_rms vs Slug



Right In: 134.268 $\pm$ 0.039 χ^2 /NDF: 788647.0/16

Left Out: 160.459 $\pm$ 0.032 χ^2 /NDF: 645069.0/17

Right Out: 132.302 $\pm$ 0.037 χ^2 /NDF: 869892.7/18

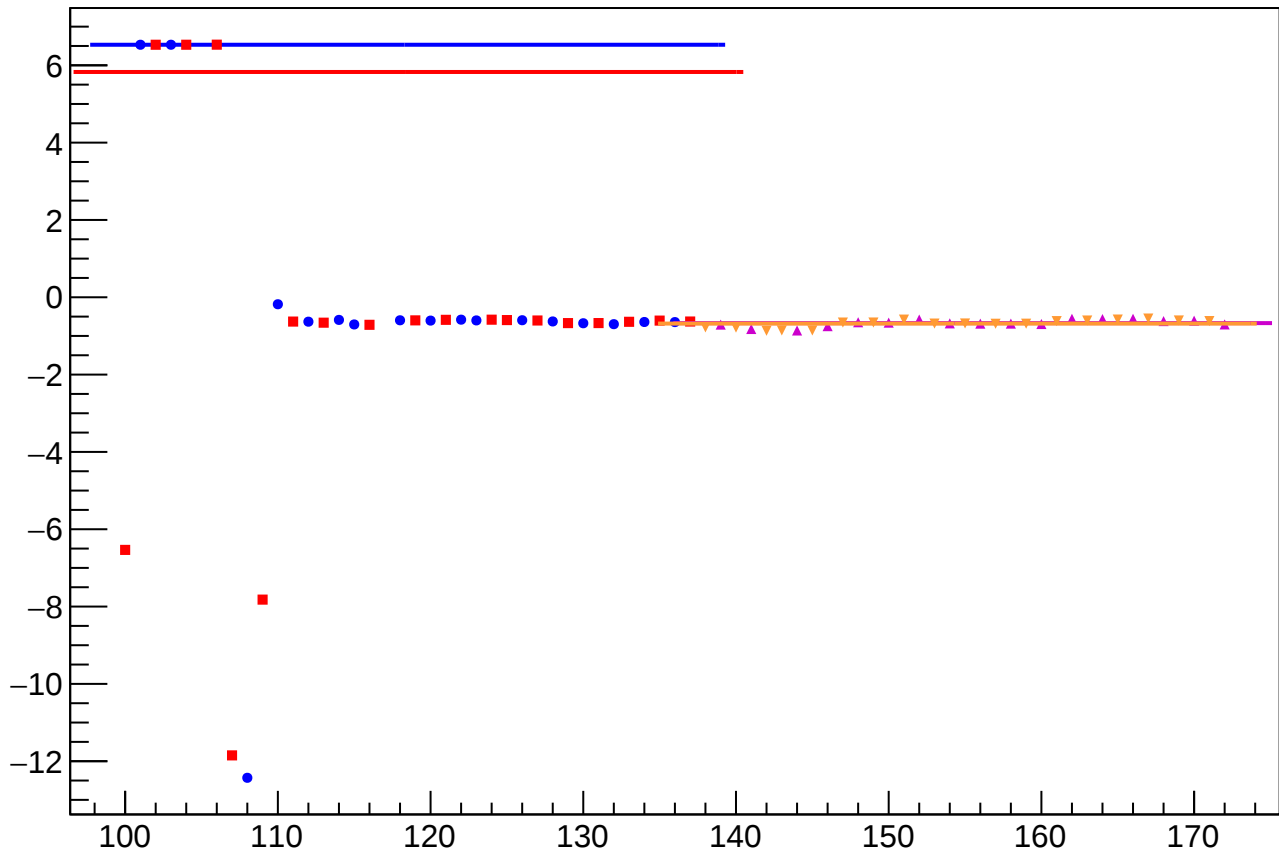
Left In: 165.262 $\pm$ 0.033 χ^2 /NDF: 644633.7/16

+ sign 149.988 $\pm$ 0.024 χ^2 /NDF: 1709503.4/34

All: 150.358 $\pm$ 0.017 χ^2 /NDF: 3667536.0/70

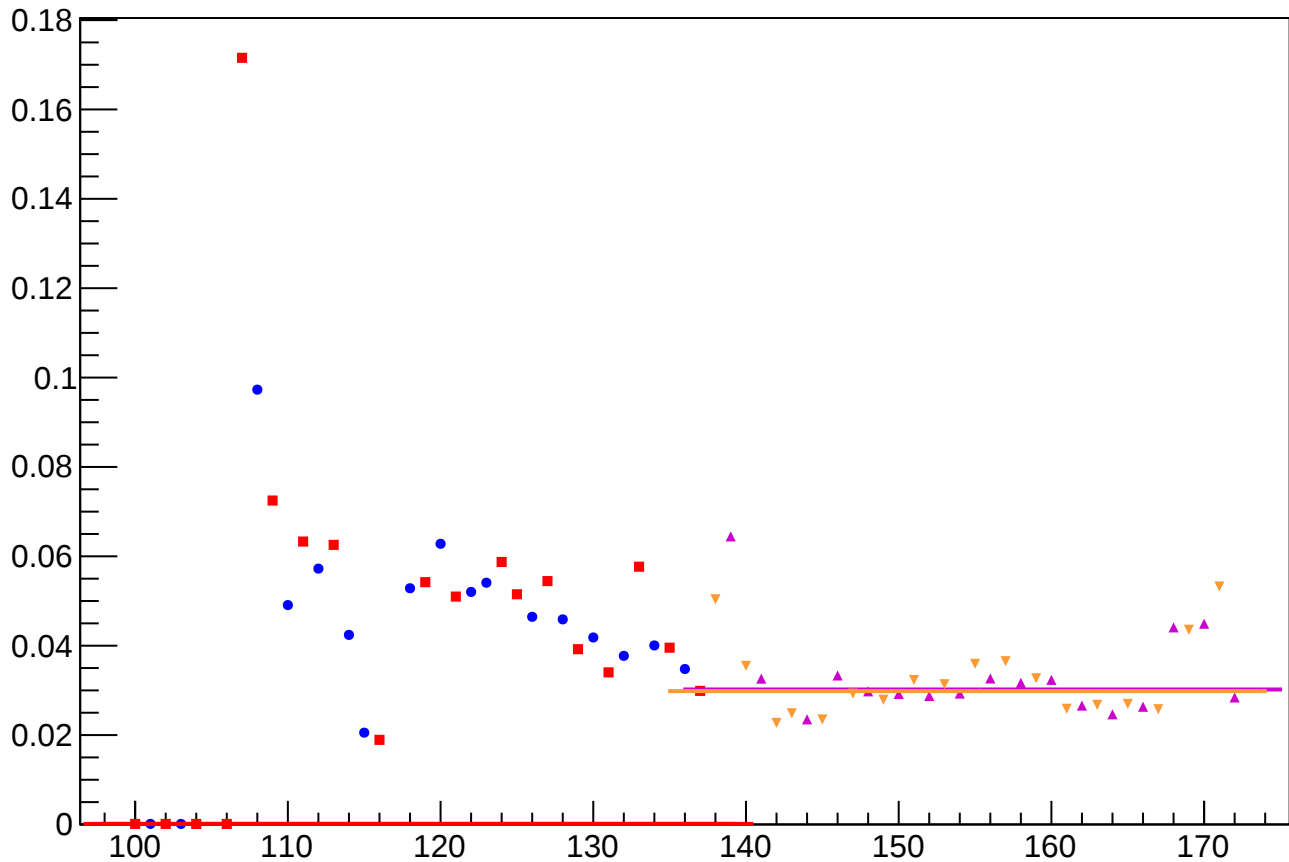
- sign 150.733 $\pm$ 0.025 χ^2 /NDF: 1957570.4/35

yield_cav4bX_mean vs Slug



Right In: 6.532 ± 0.000 χ^2/NDF : 127906780672.7/16
 Left Out: -0.680 ± 0.000 χ^2/NDF : 127326523.5/17
 Right Out: 5.827 ± 0.000 χ^2/NDF : 755948646460090.5/18
 Left In: -0.668 ± 0.000 χ^2/NDF : 97114706.8/16
 All: 6.154 ± 0.000 χ^2/NDF : 77715796500925
 + sign 6.530 ± 0.000 χ^2/NDF : 742627251428.6/34
 - sign 5.827 ± 0.000 χ^2/NDF : 756425376879949.1/17

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9028405.7/16

Left Out: 0.030+/-0.000 χ^2/NDF : 1003956.7/17

Right Out: 0.000+/-0.000 χ^2/NDF : 9373556.8/18

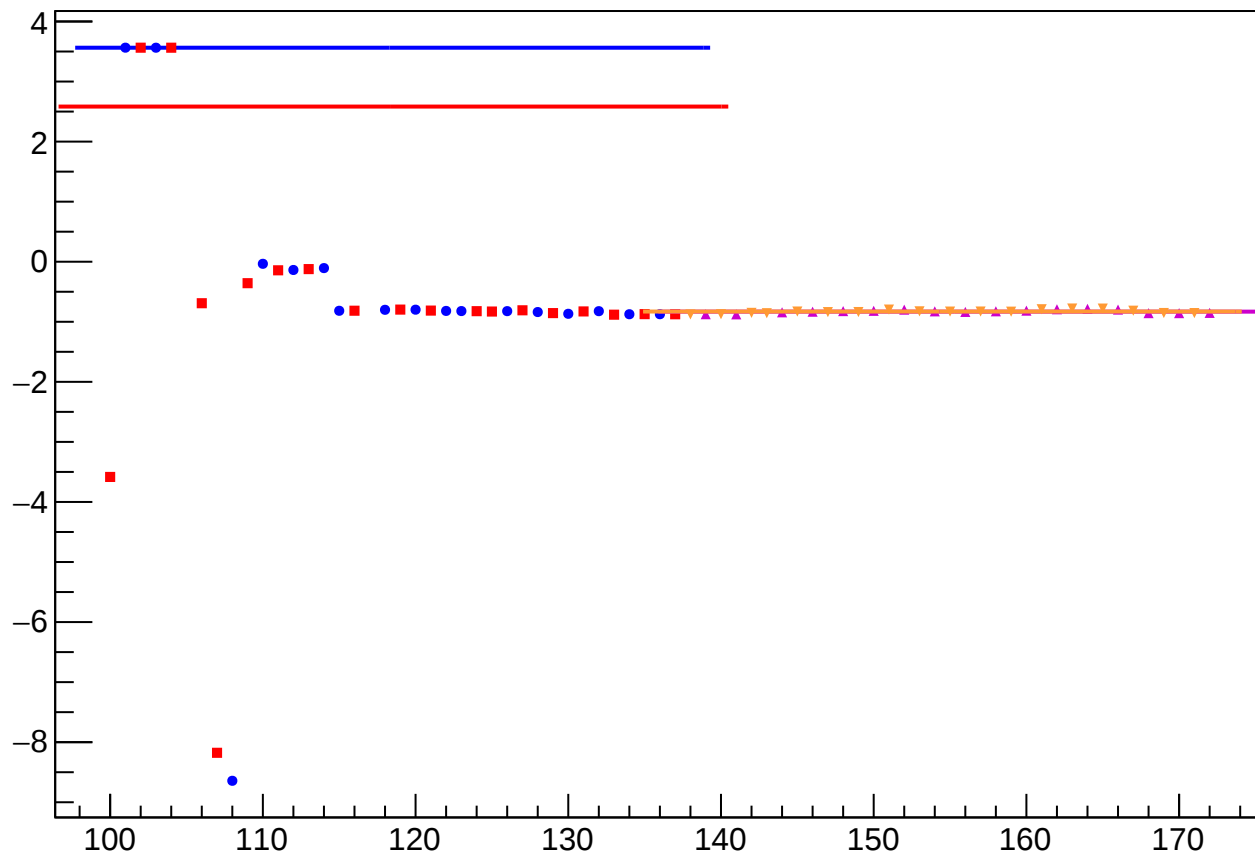
Left In: 0.030+/-0.000 χ^2/NDF : 886888.8/16

+ sign 0.000+/-0.000 χ^2/NDF : 30898182.1/34

All: 0.000+/-0.000 χ^2/NDF : 61602008.9/70

- sign 0.000+/-0.000 χ^2/NDF : 30703322.8/35

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 486958795673.0/16

Left Out: -0.829+/-0.000 χ^2/NDF : 138307637.8/17

Right Out: 2.583+/-0.000 χ^2/NDF : 1253505323583154.2/18

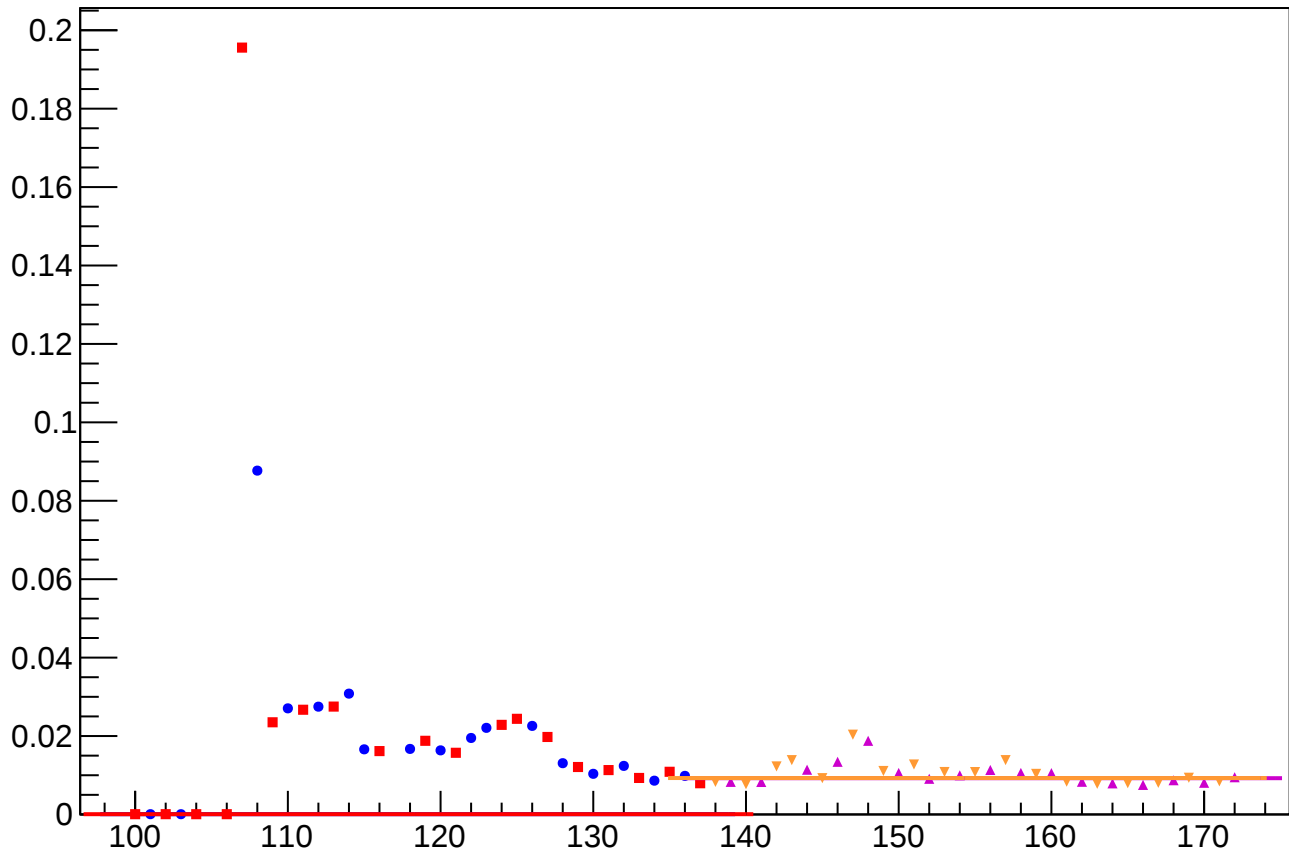
Left In: -0.831+/-0.000 χ^2/NDF : 119856666.4/16

+ sign 3.561+/-0.000 χ^2/NDF : 2903487494472.4/34

All: 3.039+/-0.000 χ^2/NDF : 13860129749800

- sign 2.582+/-0.000 χ^2/NDF : 1254963348495944.0

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9848258.0/16

Left Out: 0.009+/-0.000 χ^2/NDF :1076185.8/17

Right Out: 0.000+/-0.000 χ^2/NDF : 9880078.9/18

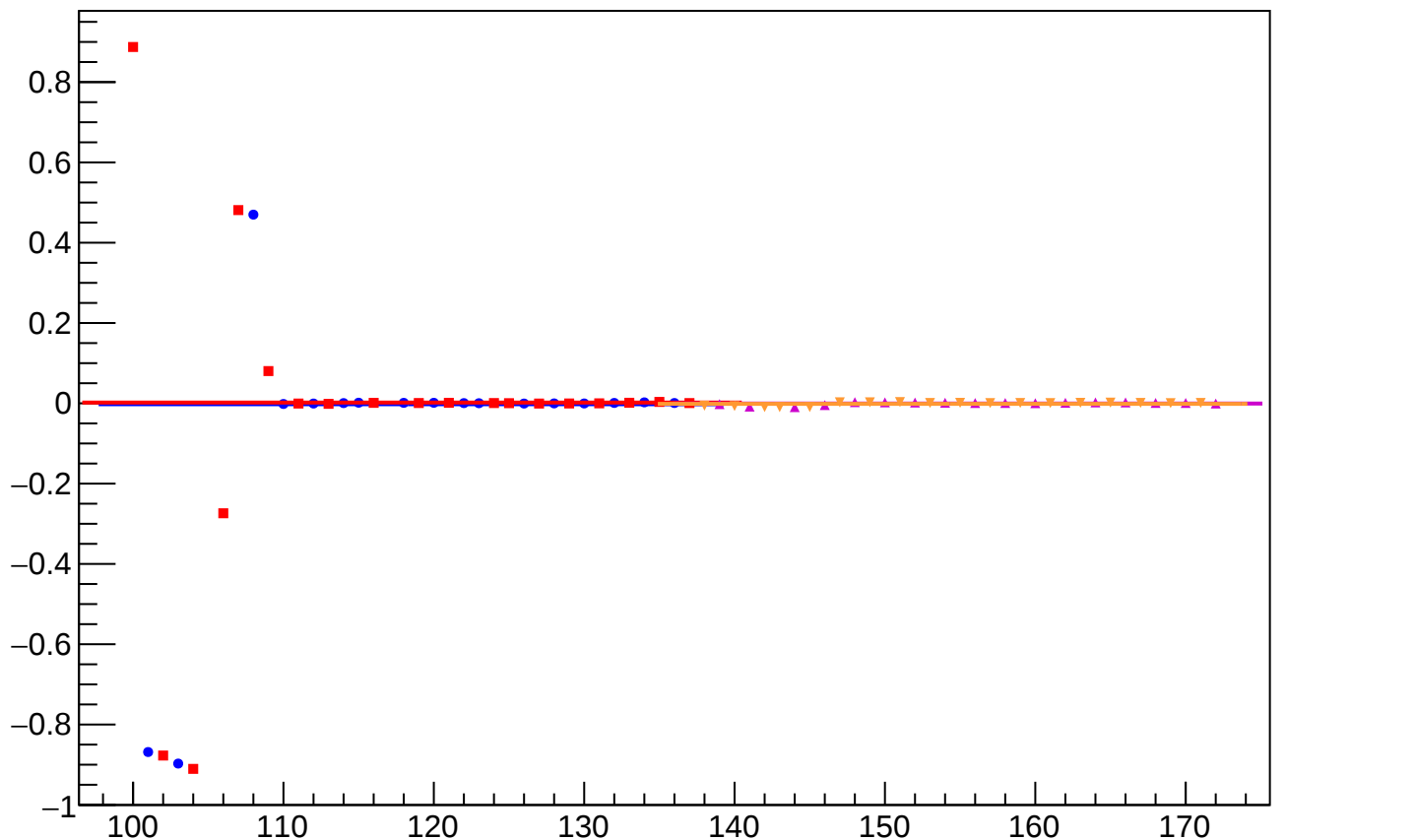
Left In: 0.009+/-0.000 χ^2/NDF :791593.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 32207173.9/34

All: 0.000+/-0.000 χ^2/NDF : 63955555.9/70

- sign 0.000+/-0.000 χ^2/NDF : 31747670.4/35

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2 /NDF: 9795424036.3/16

Left Out: -0.001+/-0.000 χ^2 /NDF: 94613291.9/17

Right Out: 0.002+/-0.000 χ^2 /NDF: 3041331104.7/18

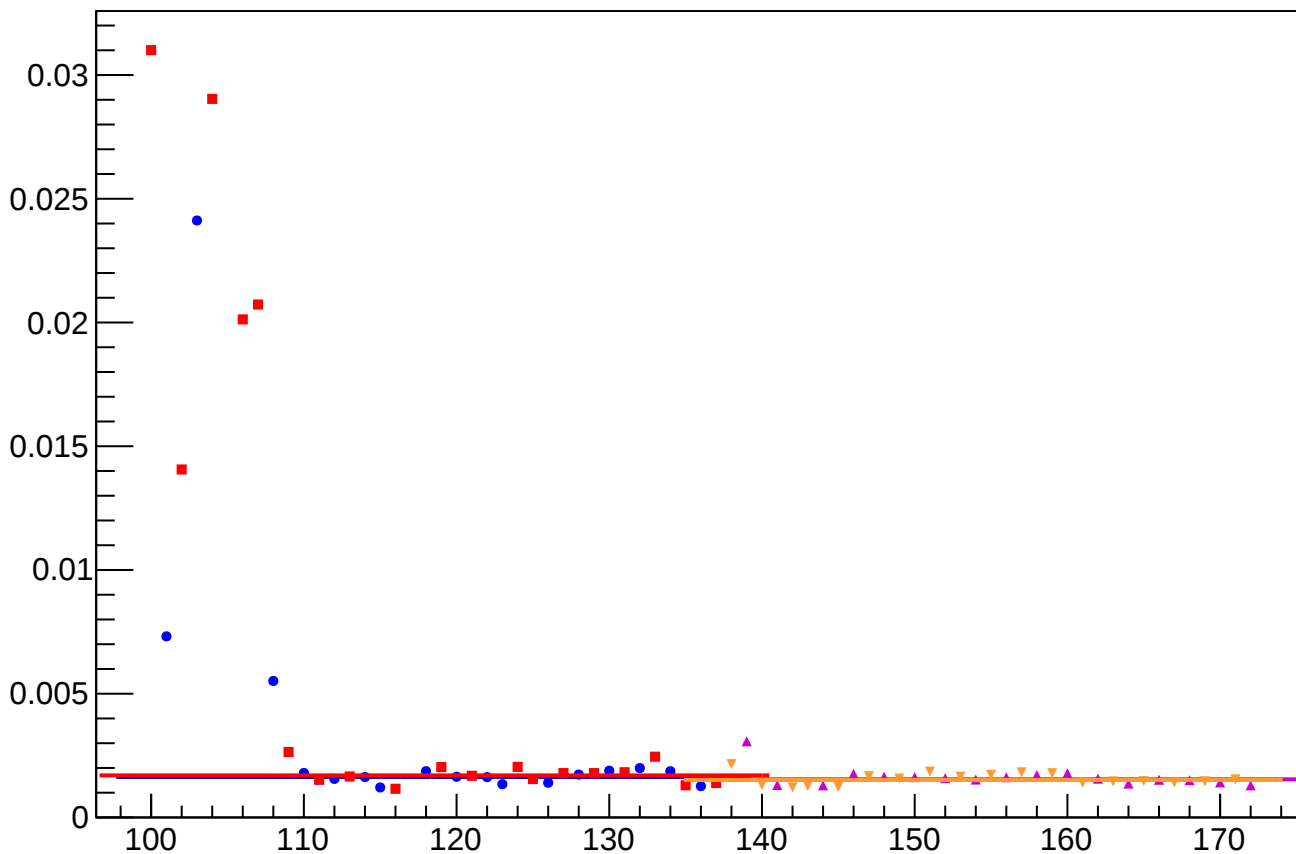
Left In: -0.001+/-0.000 χ^2 /NDF: 67347968.8/16

+ sign -0.002+/-0.000 χ^2 /NDF: 9891039934.2/34

All: -0.001+/-0.000 χ^2 /NDF: 13015102251.9/35

- sign 0.000+/-0.000 χ^2 /NDF: 3115456516.8/35

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1919127.9/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 430229.1/17

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3025332.9/18

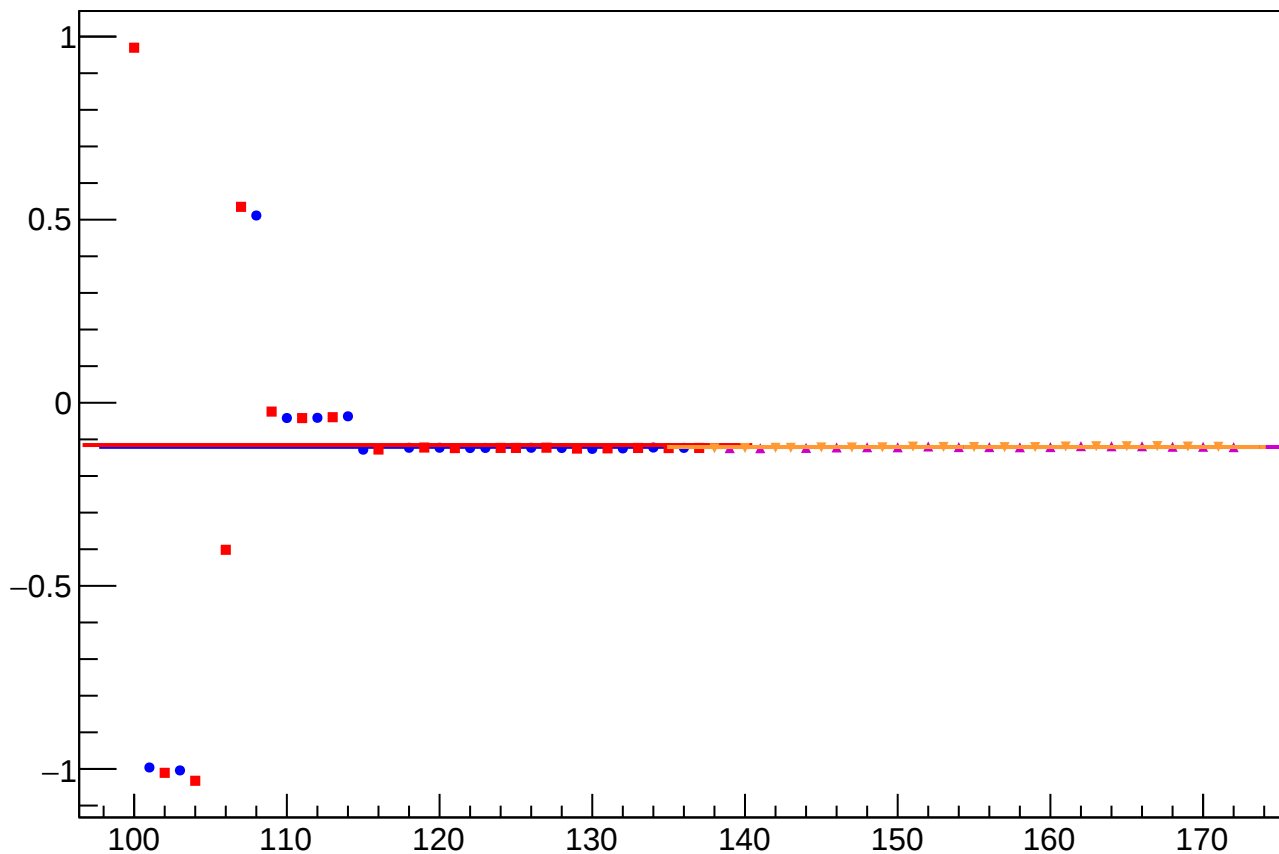
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 554706.8/16

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2385740.6/34

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6031014.0/70

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3638042.1/35

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932311162.8/16

Left Out: -0.121+/-0.000 χ^2/NDF : 32074511.8/17

Right Out: -0.115+/-0.000 χ^2/NDF : 2457092455.9/18

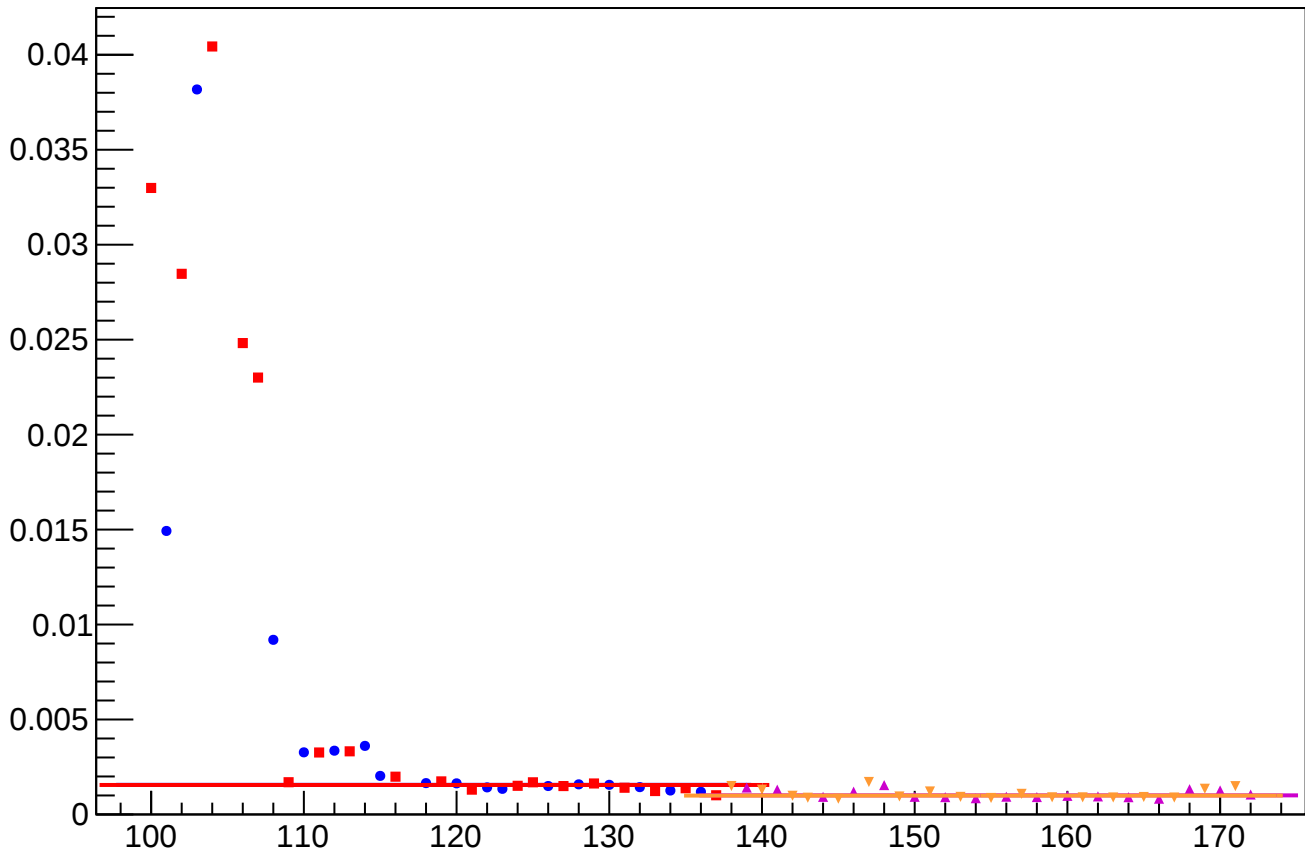
Left In: -0.121+/-0.000 χ^2/NDF : 28105179.9/16

+ sign -0.121+/-0.000 χ^2/NDF : 3964754995.0/34

All: -0.120+/-0.000 χ^2/NDF : 6500982056.5/7

- sign -0.120+/-0.000 χ^2/NDF : 2533169019.7/35

yield_cav4cY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2903607.4/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:1012513.6/17

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3538622.3/18

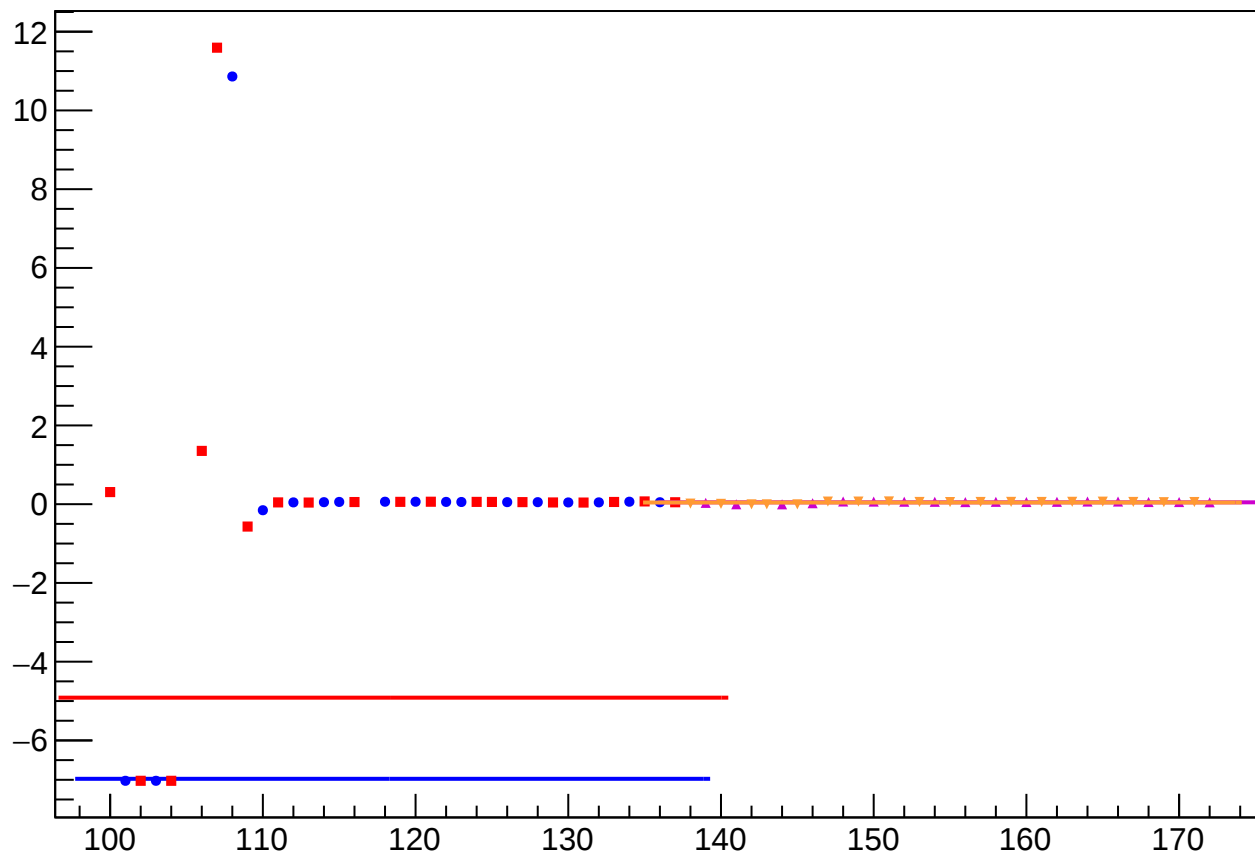
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:736193.6/16

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 4964748.9/34

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 10222395.3/70

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5255979.2/35

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2 /NDF: 8787948713830.4/16

Left Out: 0.043+/-0.000 χ^2 /NDF:95571541.5/17

Right Out: -4.914+/-0.000 χ^2 /NDF: 365362215369689.4/18

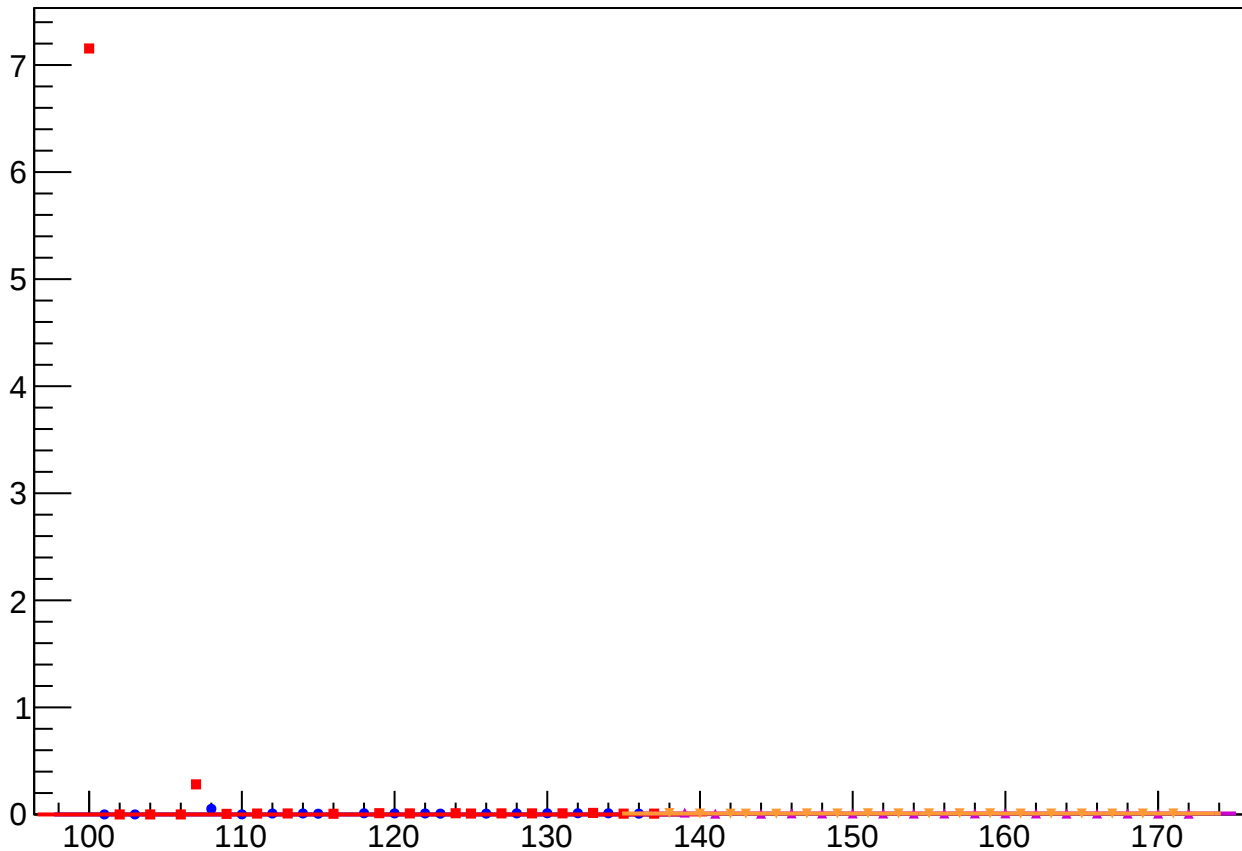
Left In: 0.047+/-0.000 χ^2 /NDF:74626340.1/16

+ sign -6.938+/-0.000 χ^2 /NDF: 15380524018899.5/17

All: -5.870+/-0.000 χ^2 /NDF: 4395735884835.4/17

- sign -4.891+/-0.000 χ^2 /NDF: 368497904440850.9/17

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8362763.6/16

Left Out: 0.009+/-0.000 χ^2/NDF :423368.6/17

Right Out: 0.000+/-0.000 χ^2/NDF : 8802124.3/18

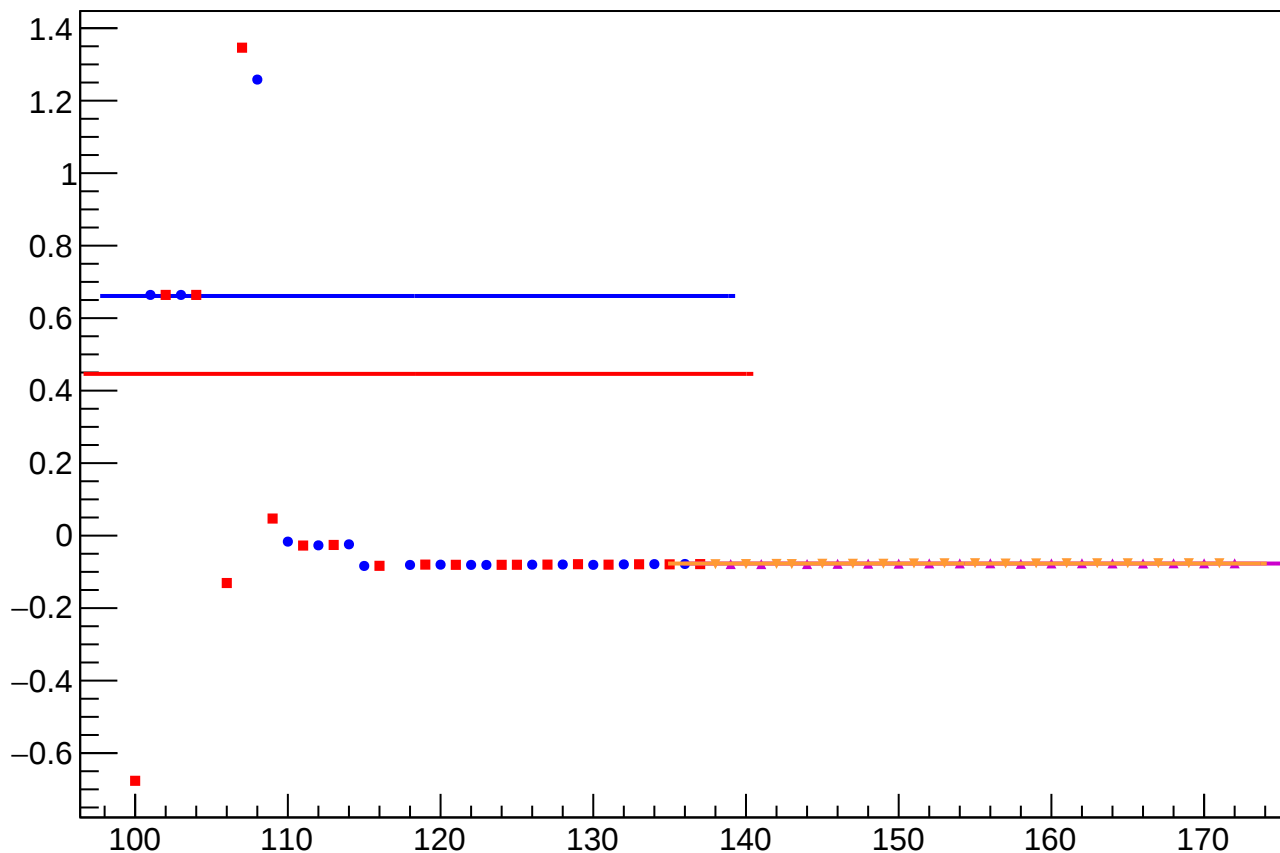
Left In: 0.009+/-0.000 χ^2/NDF :556690.0/16

+ sign 0.000+/-0.000 χ^2/NDF : 29359685.6/34

All: 0.000+/-0.000 χ^2/NDF : 58941082.5/70

- sign 0.000+/-0.000 χ^2/NDF : 29579352.7/35

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5678332616622.1/16

Left Out: -0.077 $\pm$ 0.000 χ^2 /NDF: 33531667.1/17

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405428604683882.5/18

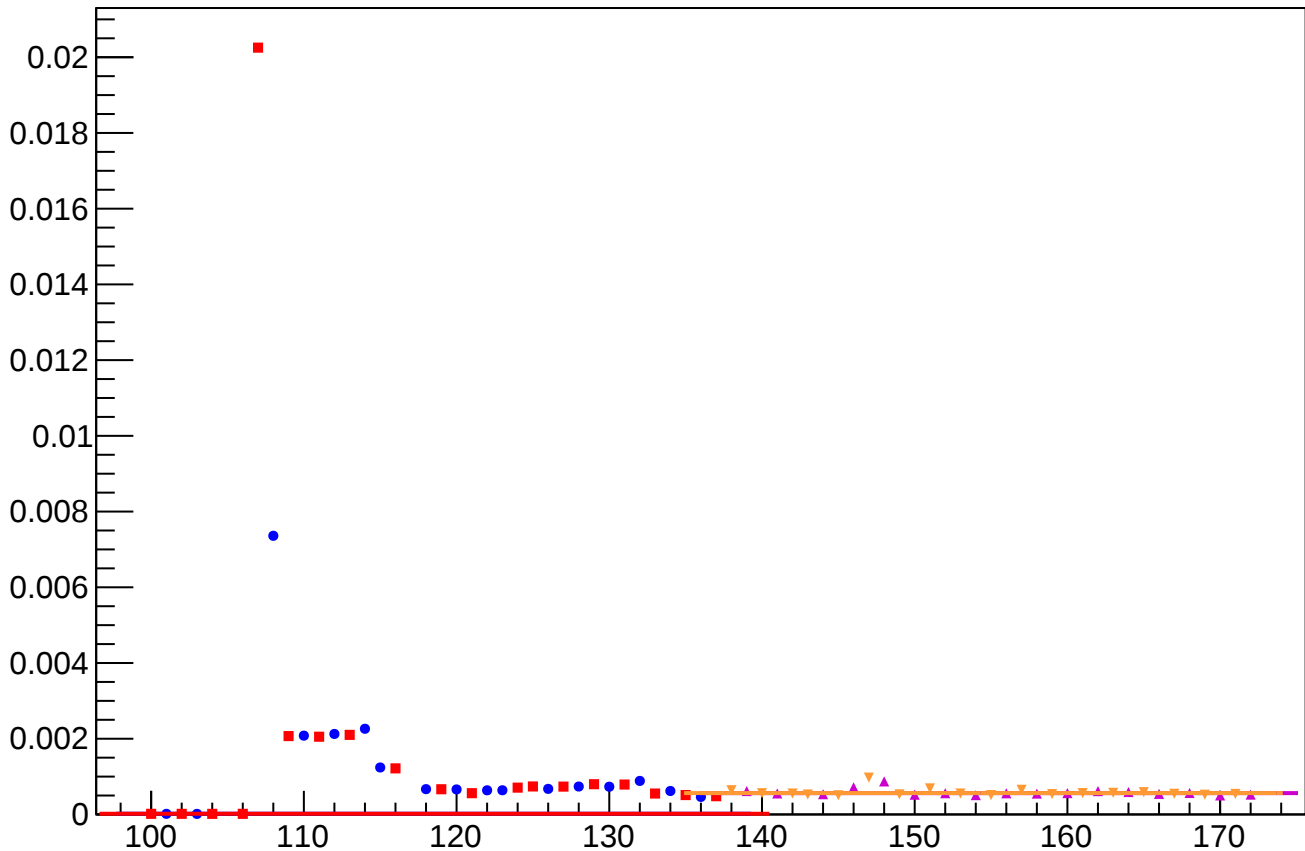
Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 24341452.6/16

+ sign 0.650 $\pm$ 0.000 χ^2 /NDF: 27133824084180.0/3

All: 0.540 $\pm$ 0.000 χ^2 /NDF: 50468321882074

- sign 0.439 $\pm$ 0.000 χ^2 /NDF: 416084175599812.7/

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9997012.7/16

Left Out: 0.001+/-0.000 χ^2/NDF : 426088.5/17

Right Out: 0.000+/-0.000 χ^2/NDF : 9500798.4/18

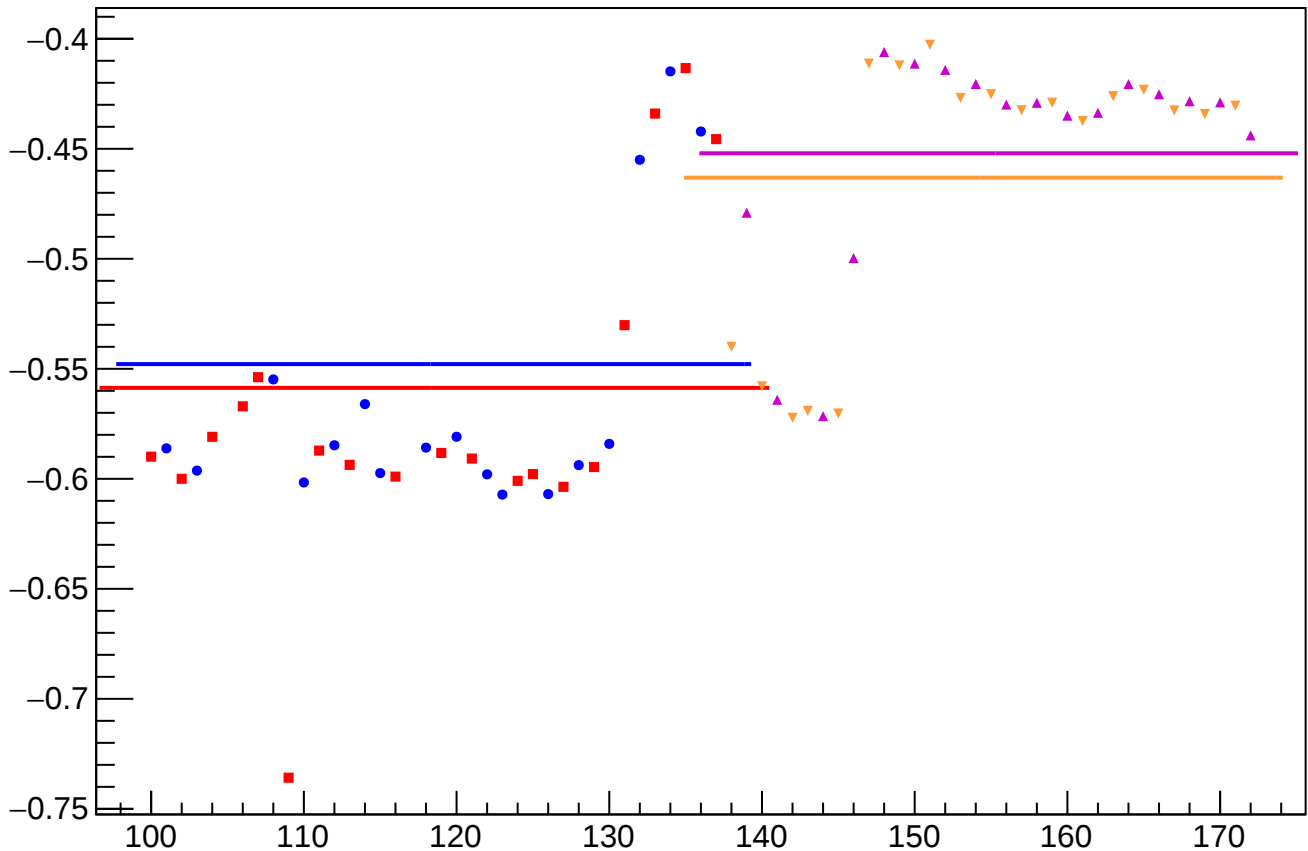
Left In: 0.001+/-0.000 χ^2/NDF : 351530.1/16

+ sign 0.000+/-0.000 χ^2/NDF : 33904774.8/34

All: 0.000+/-0.000 χ^2/NDF : 66907493.8/70

- sign 0.000+/-0.000 χ^2/NDF : 33000525.1/35

yield_bpm4aX_mean vs Slug



Right In: -0.548 ± 0.000 χ^2/NDF : 48579920.8/16

Left Out: -0.463 ± 0.000 χ^2/NDF : 105722575.7/17

Right Out: -0.559 ± 0.000 χ^2/NDF : 65682293.5/18

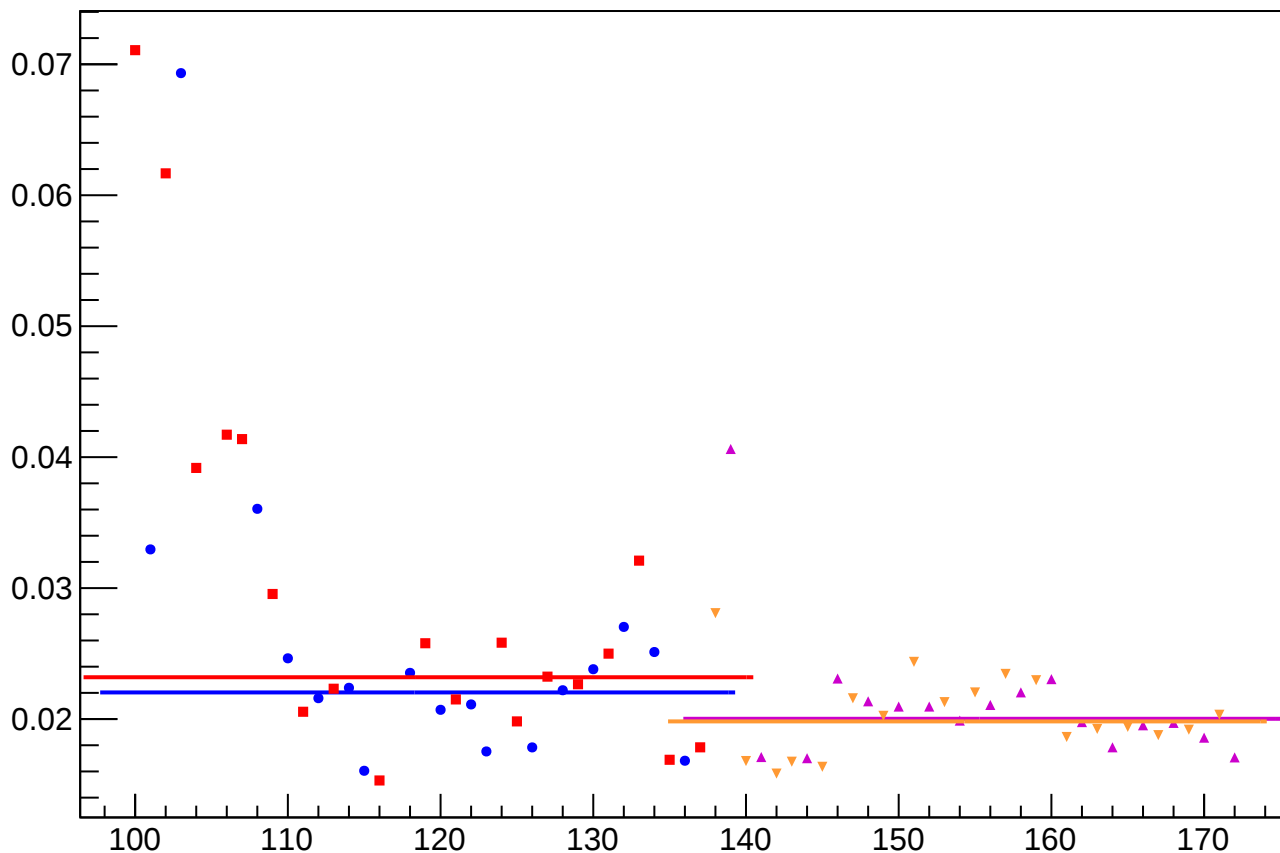
Left In: -0.452 ± 0.000 χ^2/NDF : 75219193.1/16

+ sign -0.487 ± 0.000 χ^2/NDF : 208819236.2/34

All: -0.484 ± 0.000 χ^2/NDF : 432068909.5/70

- sign -0.481 ± 0.000 χ^2/NDF : 222708299.4/35

yield_bpm4aX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 958966.6/16

Left Out: 0.020 $\pm$ 0.000 χ^2 /NDF:399823.6/17

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1156989.7/18

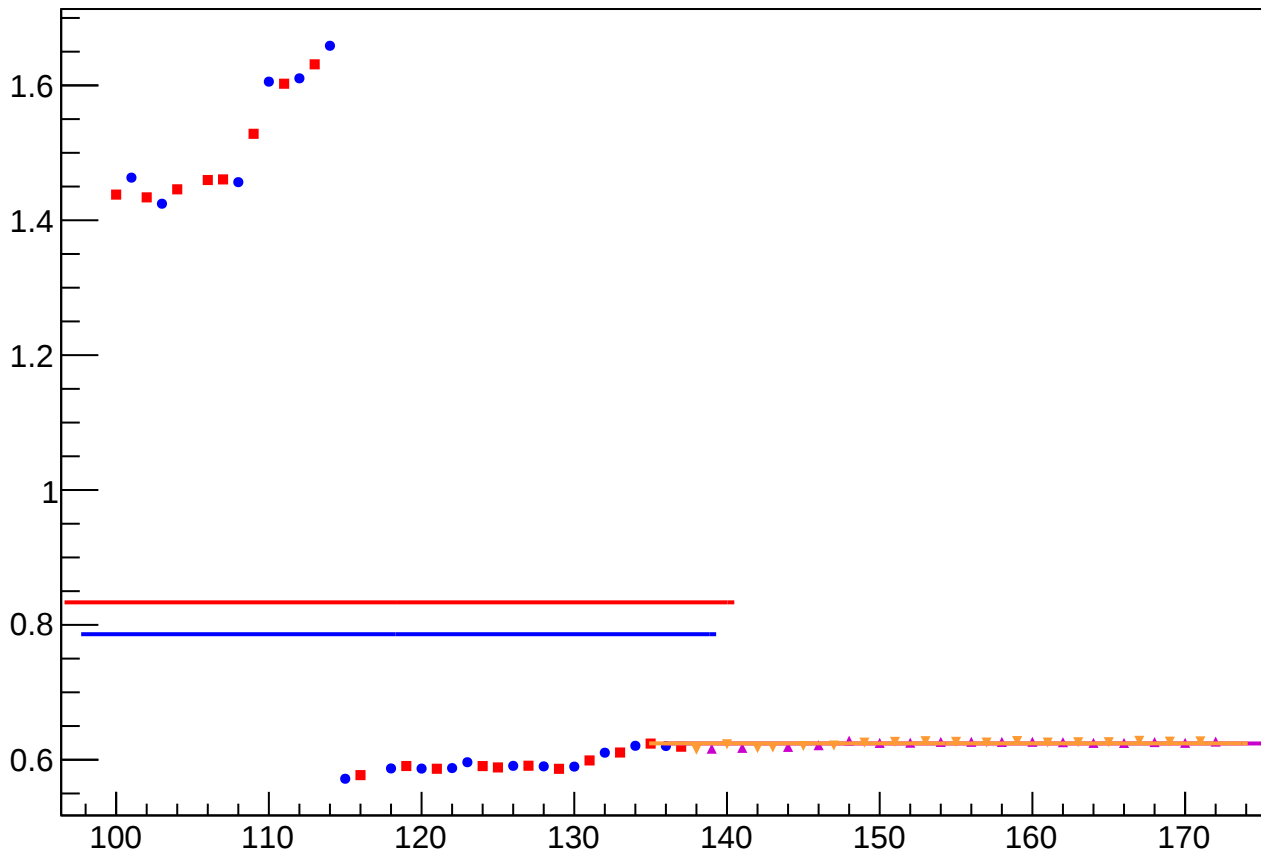
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:547578.8/16

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1433073.9/34

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 3290140.7/70

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 1849449.4/35

yield_bpm4aY_mean vs Slug



Right In: 0.786 $\pm$ 0.000 χ^2/NDF : 3590113316.1/16

Left Out: 0.624 $\pm$ 0.000 χ^2/NDF :1234905.5/17

Right Out: 0.833 $\pm$ 0.000 χ^2/NDF : 4156812252.4/18

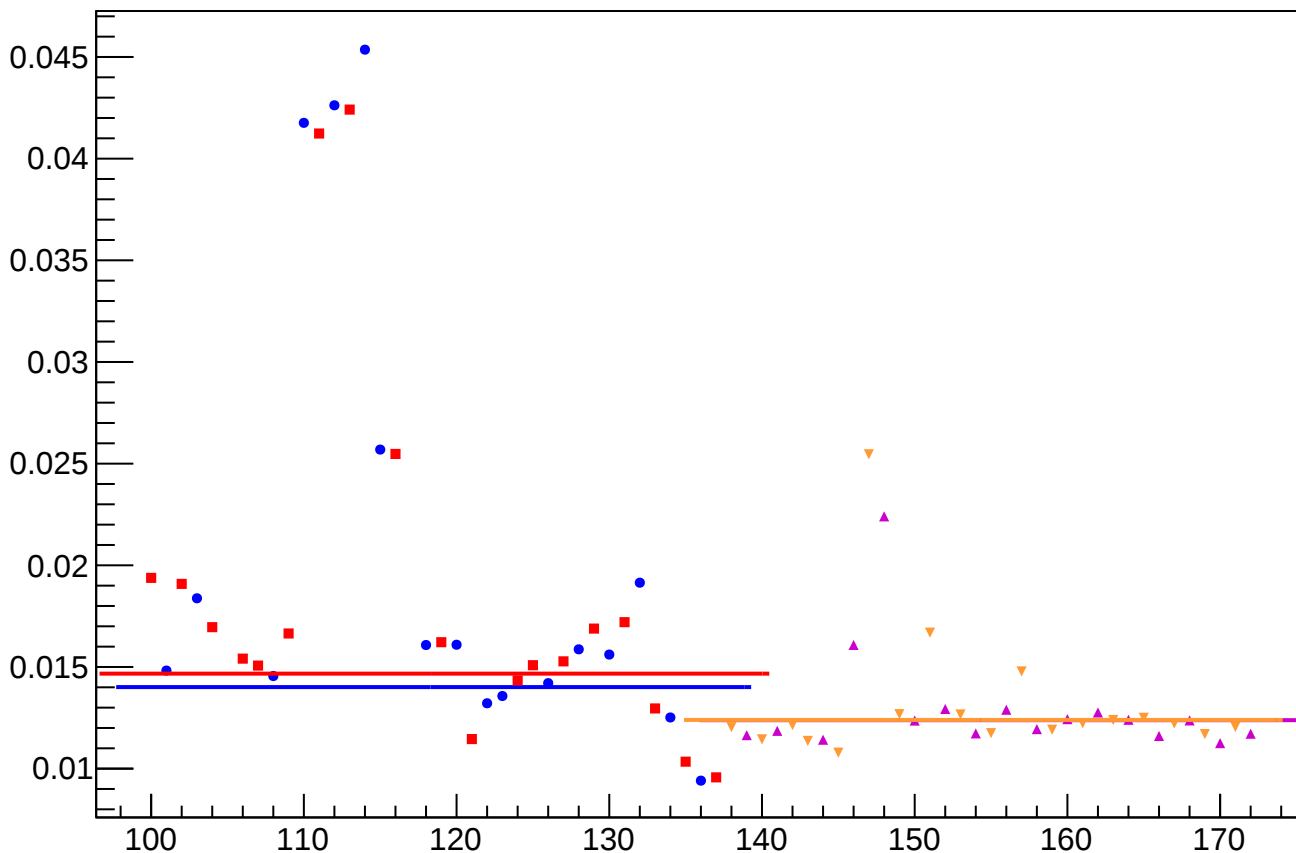
Left In: 0.624 $\pm$ 0.000 χ^2/NDF :967896.7/16

+ sign 0.666 $\pm$ 0.000 χ^2/NDF : 4153596385.7/34

All: 0.672 $\pm$ 0.000 χ^2/NDF : 9231140329.8/70

- sign 0.677 $\pm$ 0.000 χ^2/NDF : 5070701371.9/35

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1404865.3/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:596866.7/17

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1263462.0/18

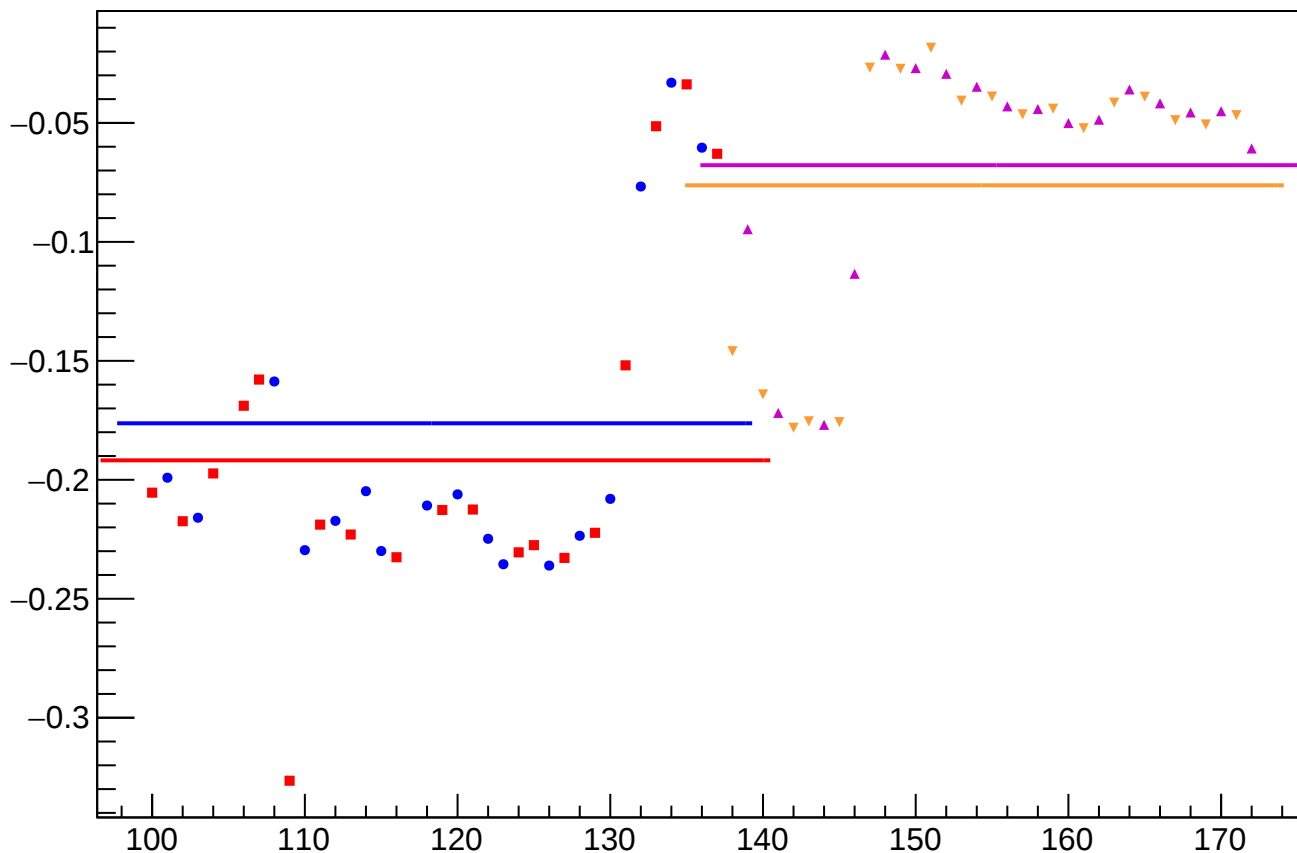
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:440449.5/16

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2113638.1/34

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4038476.5/70

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1922299.4/35

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70137178.3/16

Left Out: -0.076+/-0.000 χ^2/NDF : 100764638.4/17

Right Out: -0.192+/-0.000 χ^2/NDF : 83809115.6/18

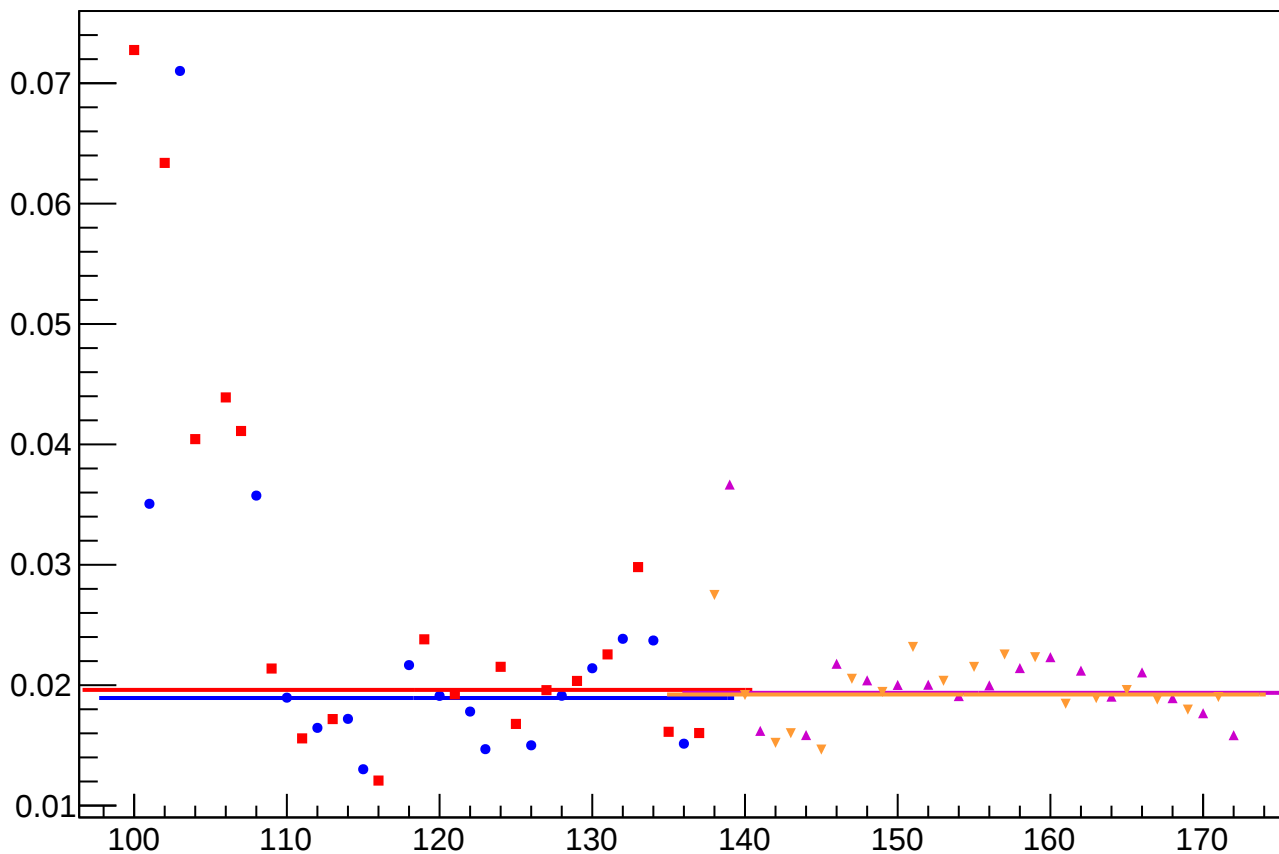
Left In: -0.068+/-0.000 χ^2/NDF : 75579899.4/16

+ sign -0.108+/-0.000 χ^2/NDF : 265659541.2/34

All: -0.108+/-0.000 χ^2/NDF : 565832805.2/70

- sign -0.108+/-0.000 χ^2/NDF : 300165086.4/35

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1205858.0/16

Left Out: 0.019+/-0.000 χ^2/NDF : 425831.2/17

Right Out: 0.020+/-0.000 χ^2/NDF : 1457660.9/18

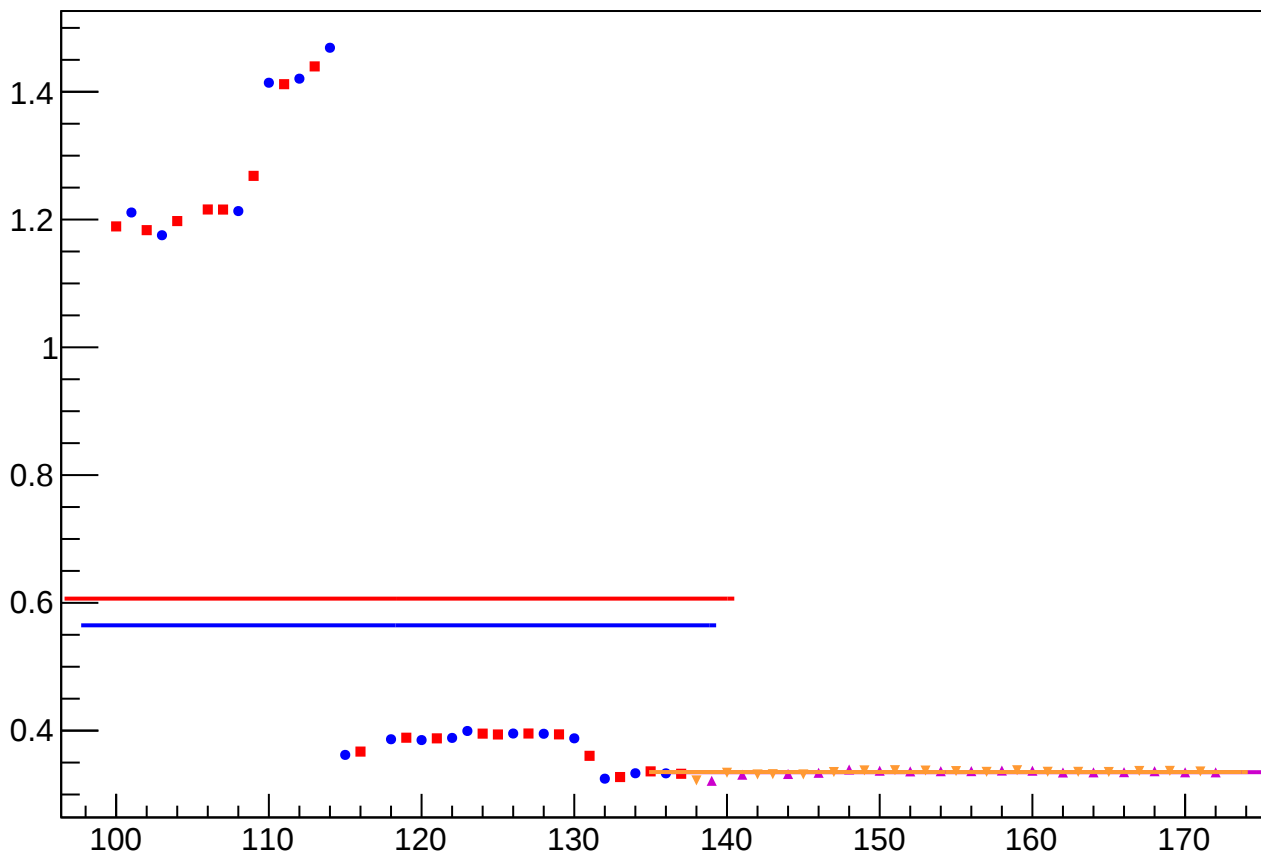
Left In: 0.019+/-0.000 χ^2/NDF : 550084.5/16

+ sign 0.019+/-0.000 χ^2/NDF : 1633302.5/34

All: 0.019+/-0.000 χ^2/NDF : 3646251.1/70

- sign 0.019+/-0.000 χ^2/NDF : 2008838.9/35

yield_bpm4eY_mean vs Slug



Right In: 0.565+/-0.000 χ^2/NDF : 5030969499.3/16

Left Out: 0.335+/-0.000 χ^2/NDF :1130368.4/17

Right Out: 0.607+/-0.000 χ^2/NDF : 5513752213.8/18

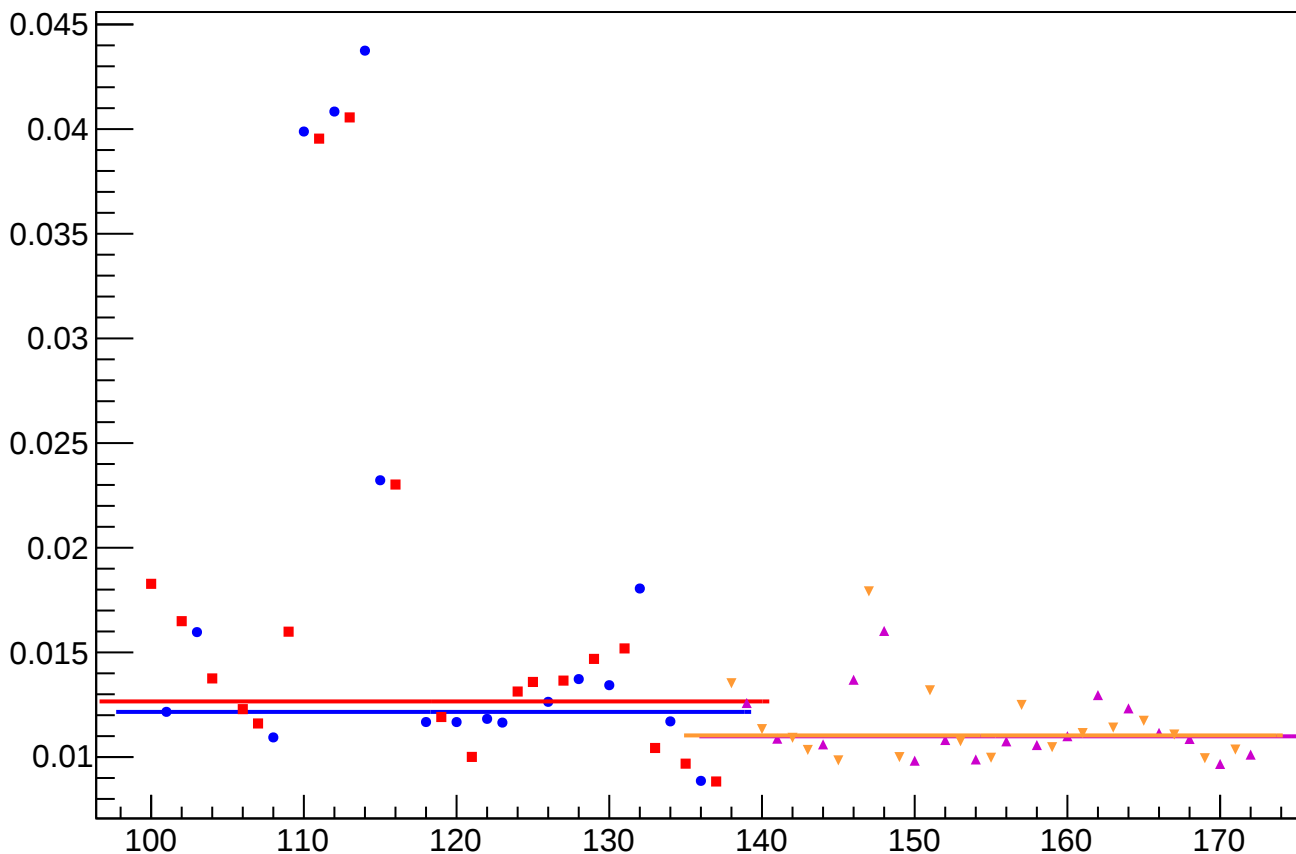
Left In: 0.335+/-0.000 χ^2/NDF :1171758.5/16

+ sign 0.397+/-0.000 χ^2/NDF : 6511873852.6/34

All: 0.401+/-0.000 χ^2/NDF : 14036656122.9/7

- sign 0.406+/-0.000 χ^2/NDF : 7518594591.1/35

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1309888.8/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:427459.9/17

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1270689.5/18

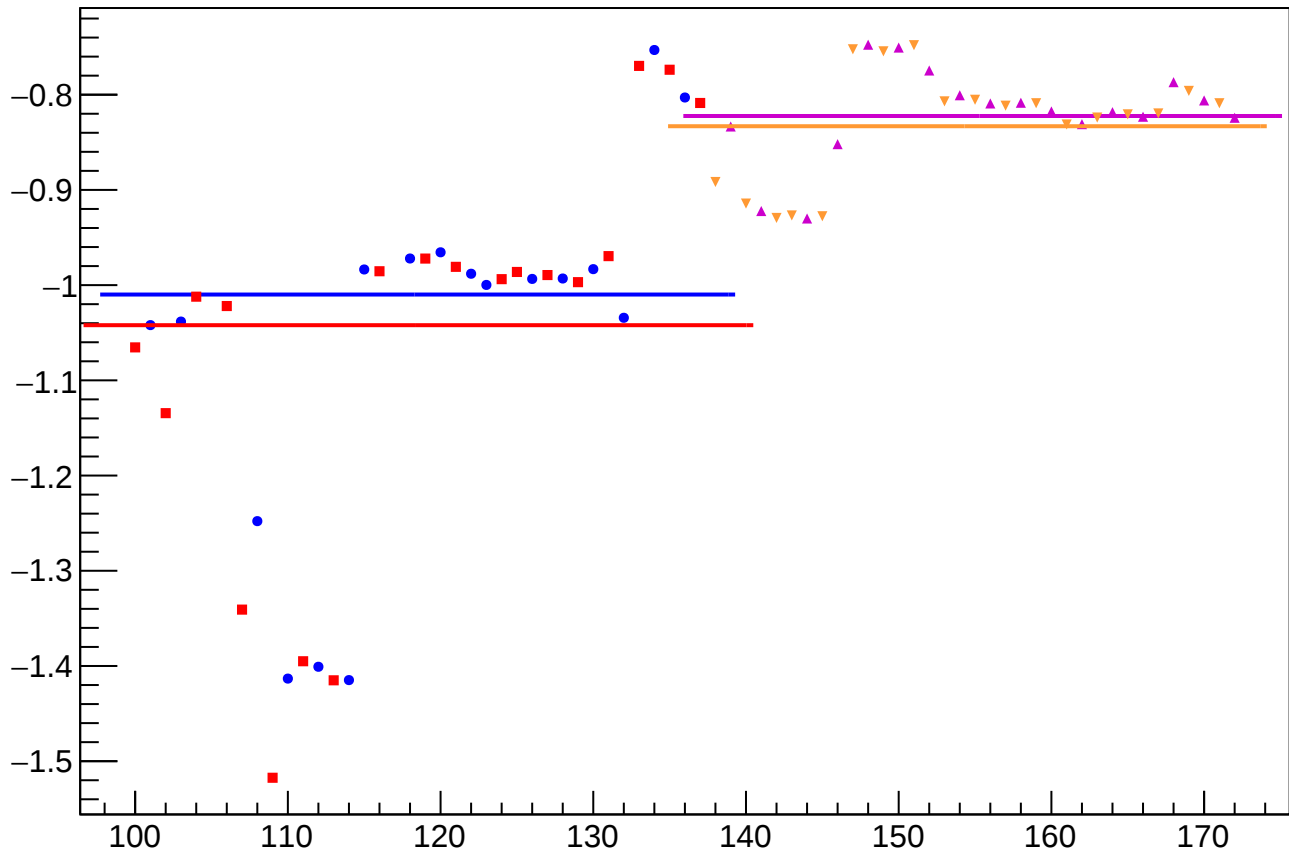
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:368049.1/16

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1808153.8/34

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3599034.8/70

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1789679.6/35

yield_bpm4acX_mean vs Slug



Right In: -1.010 $\pm$ 0.000 χ^2 /NDF: 387650332.0/16

Left Out: -0.833 $\pm$ 0.000 χ^2 /NDF: 97577348.2/17

Right Out: -1.042 $\pm$ 0.000 χ^2 /NDF: 530106141.8/18

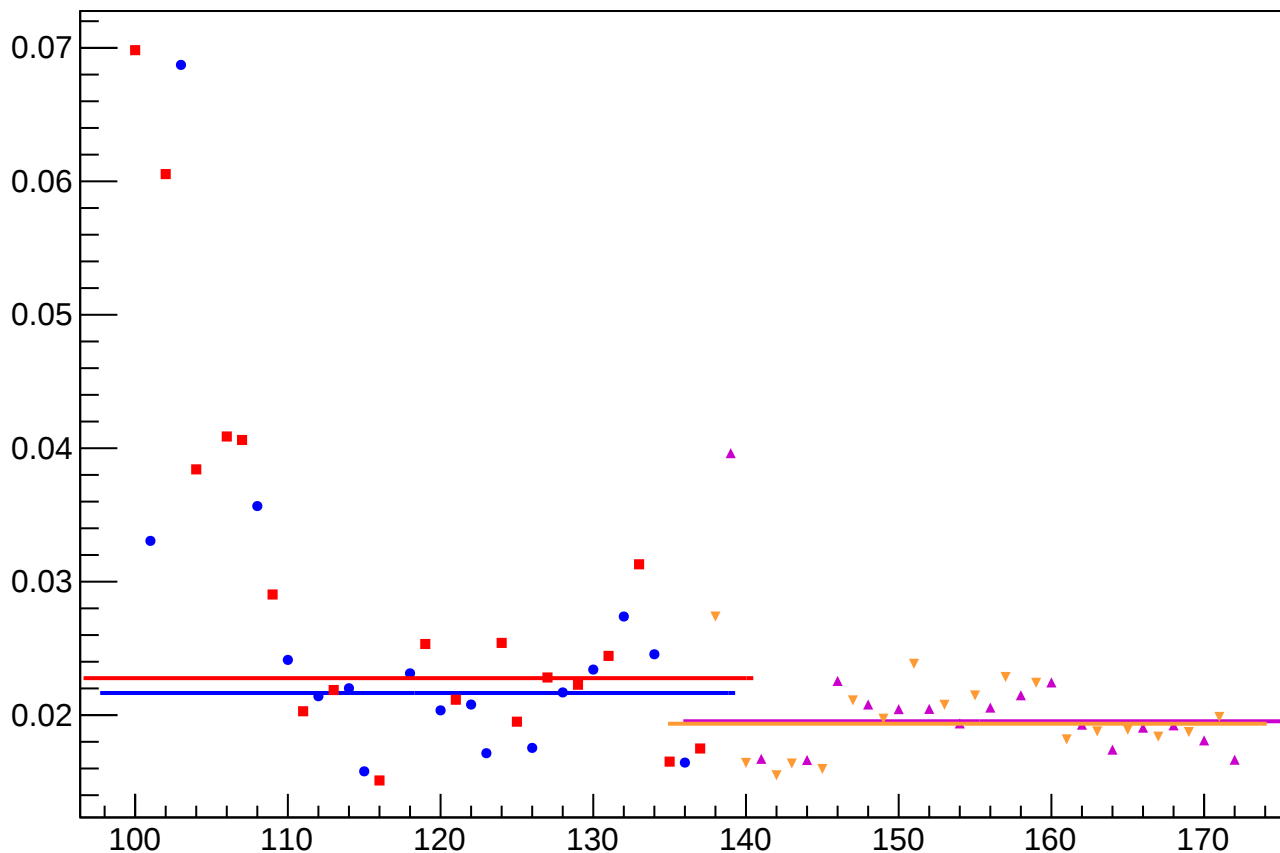
Left In: -0.822 $\pm$ 0.000 χ^2 /NDF: 73592597.4/16

+ sign -0.882 $\pm$ 0.000 χ^2 /NDF: 731389182.5/34

All: -0.882 $\pm$ 0.000 χ^2 /NDF: 1696148193.6/7

- sign -0.882 $\pm$ 0.000 χ^2 /NDF: 964757776.7/35

yield_bpm4acX_rms vs Slug



Right In: 0.022 ± 0.000 χ^2/NDF : 983499.8/16

Left Out: 0.019 ± 0.000 χ^2/NDF : 397530.0/17

Right Out: 0.023 ± 0.000 χ^2/NDF : 1152617.8/18

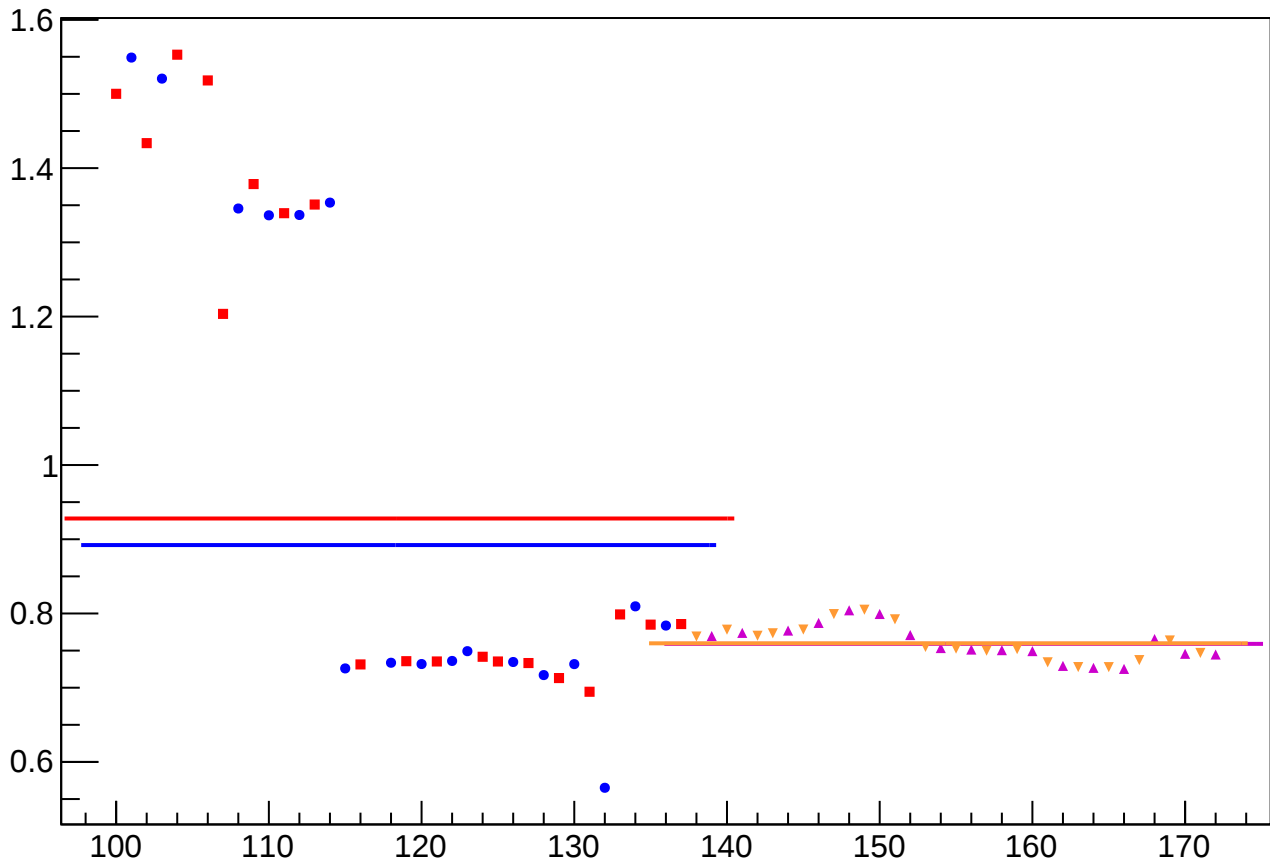
Left In: 0.020 ± 0.000 χ^2/NDF : 545010.5/16

+ sign 0.020 ± 0.000 χ^2/NDF : 1464582.7/34

All: 0.020 ± 0.000 χ^2/NDF : 3325525.3/70

- sign 0.020 ± 0.000 χ^2/NDF : 1853909.0/35

yield_bpm4acY_mean vs Slug



Right In: 0.892+/-0.000 χ^2/NDF : 2413732173.6/16

Left Out: 0.760+/-0.000 χ^2/NDF : 37018973.0/17

+ sign 0.793+/-0.000 χ^2/NDF : 2815683959.7/34

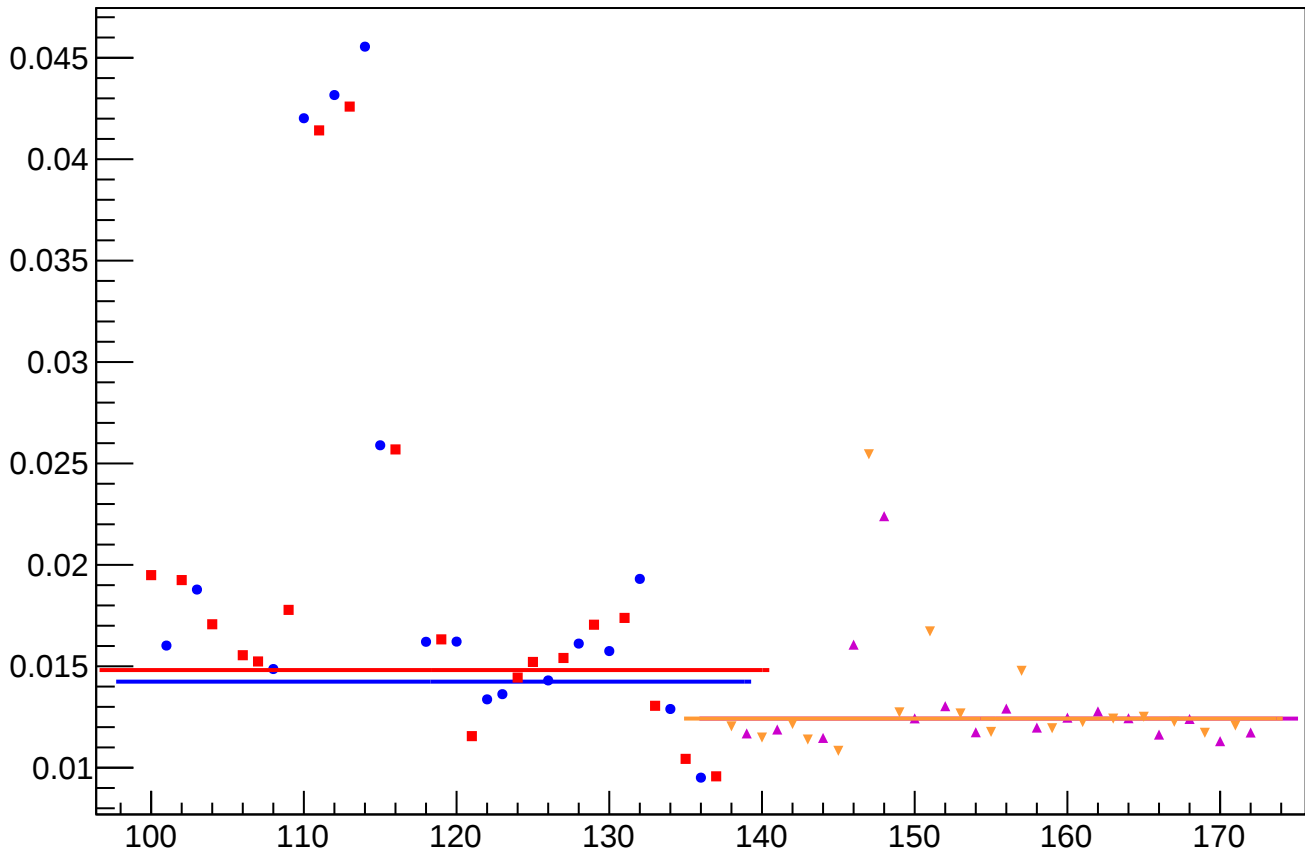
Right Out: 0.928+/-0.000 χ^2/NDF : 2437542089.2/18

All: 0.797+/-0.000 χ^2/NDF : 5875577963.1/70

- sign 0.801+/-0.000 χ^2/NDF : 3056204259.8/35

Left In: 0.759+/-0.000 χ^2/NDF : 34998553.0/16

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 1415681.3/16

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF : 592259.3/17

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1274172.7/18

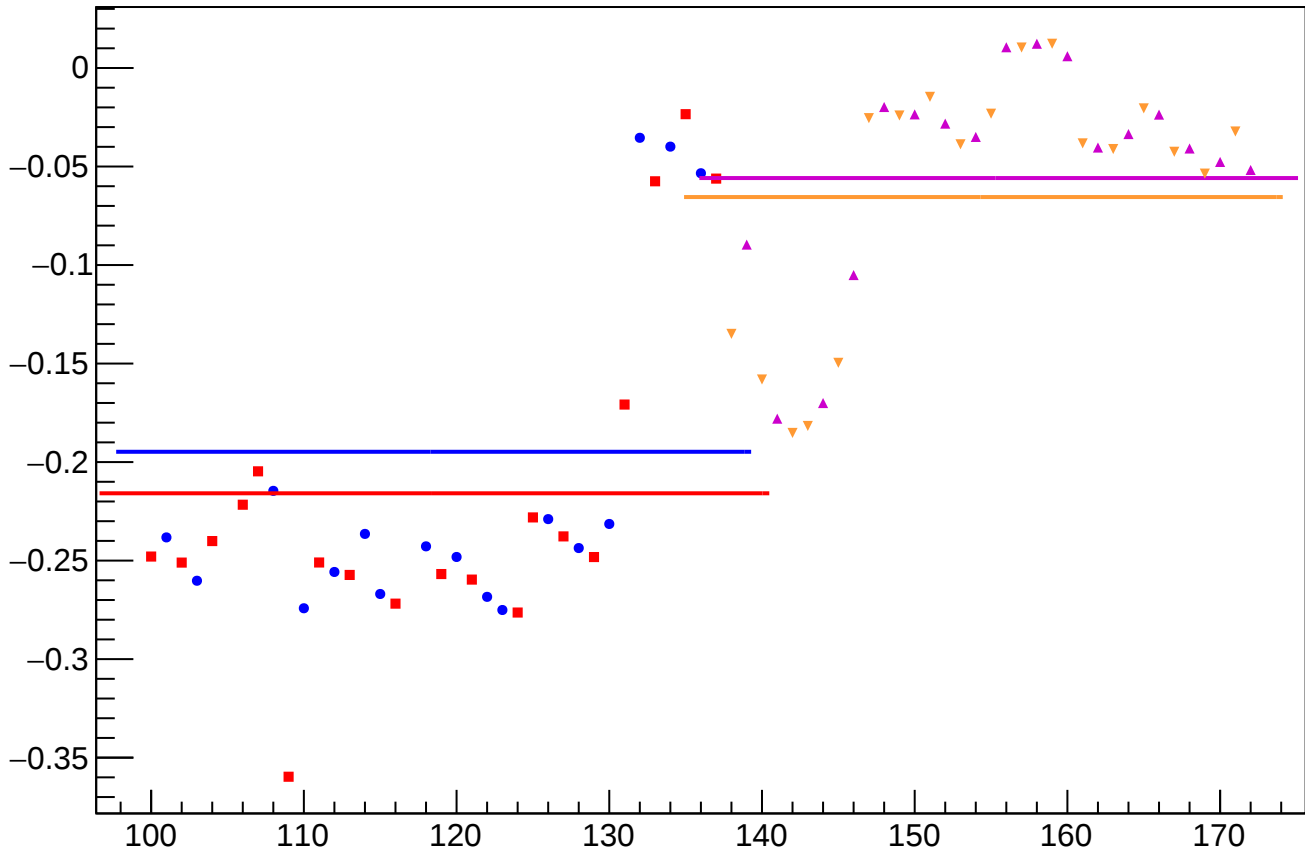
Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 435988.2/16

+ sign 0.013 $\pm$ 0.000 χ^2/NDF : 2145937.9/34

All: 0.013 $\pm$ 0.000 χ^2/NDF : 4092463.3/70

- sign 0.013 $\pm$ 0.000 χ^2/NDF : 1944400.6/35

yield_bpm4ecX_mean vs Slug



Right In: -0.195+/-0.000 χ^2/NDF : 108656195.5/16

Left Out: -0.065+/-0.000 χ^2/NDF : 117050300.7/17

Right Out: -0.216+/-0.000 χ^2/NDF : 111983904.6/18

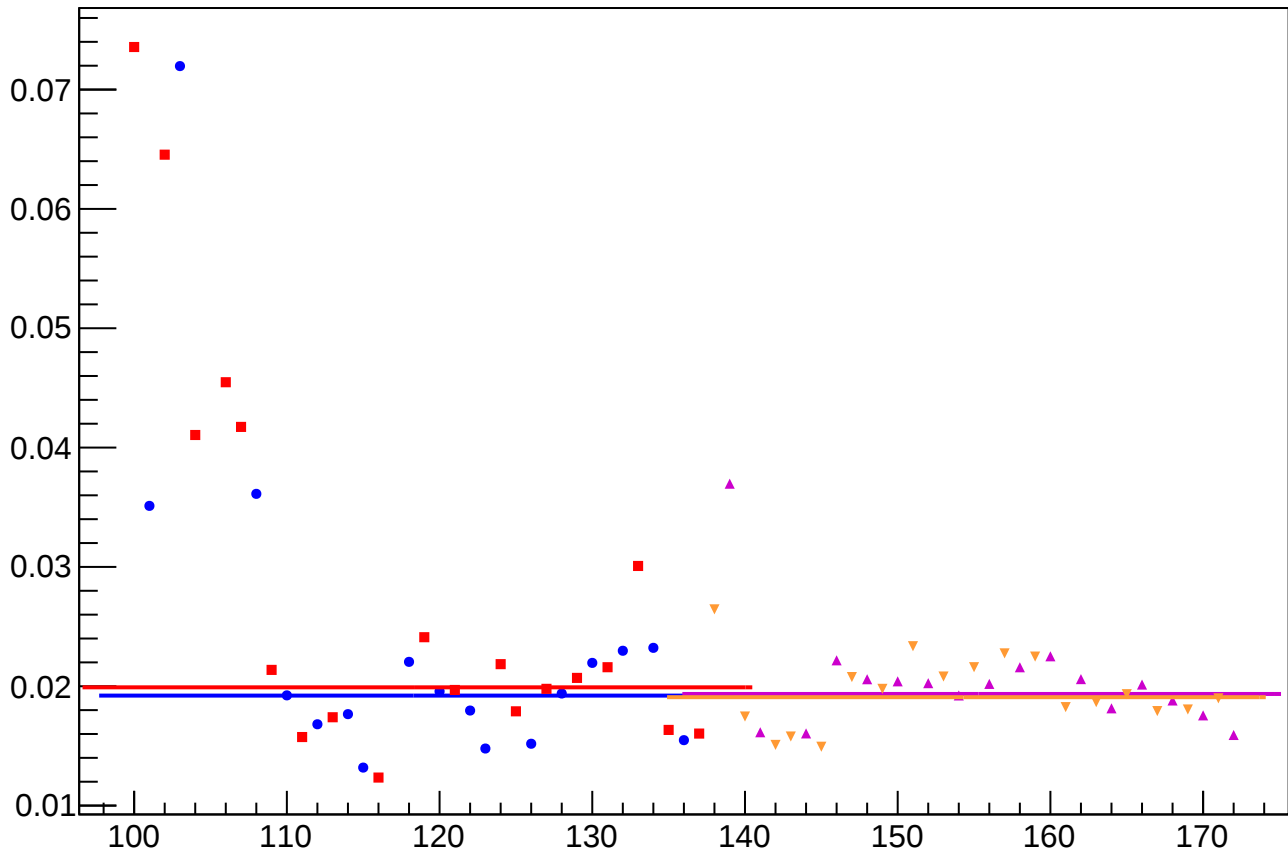
Left In: -0.056+/-0.000 χ^2/NDF : 97434804.8/16

+ sign -0.106+/-0.000 χ^2/NDF : 381387393.9/34

All: -0.106+/-0.000 χ^2/NDF : 819554204.4/70

- sign -0.107+/-0.000 χ^2/NDF : 438162751.3/35

yield_bpm4ecX_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1177085.4/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:431717.4/17

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1446950.0/18

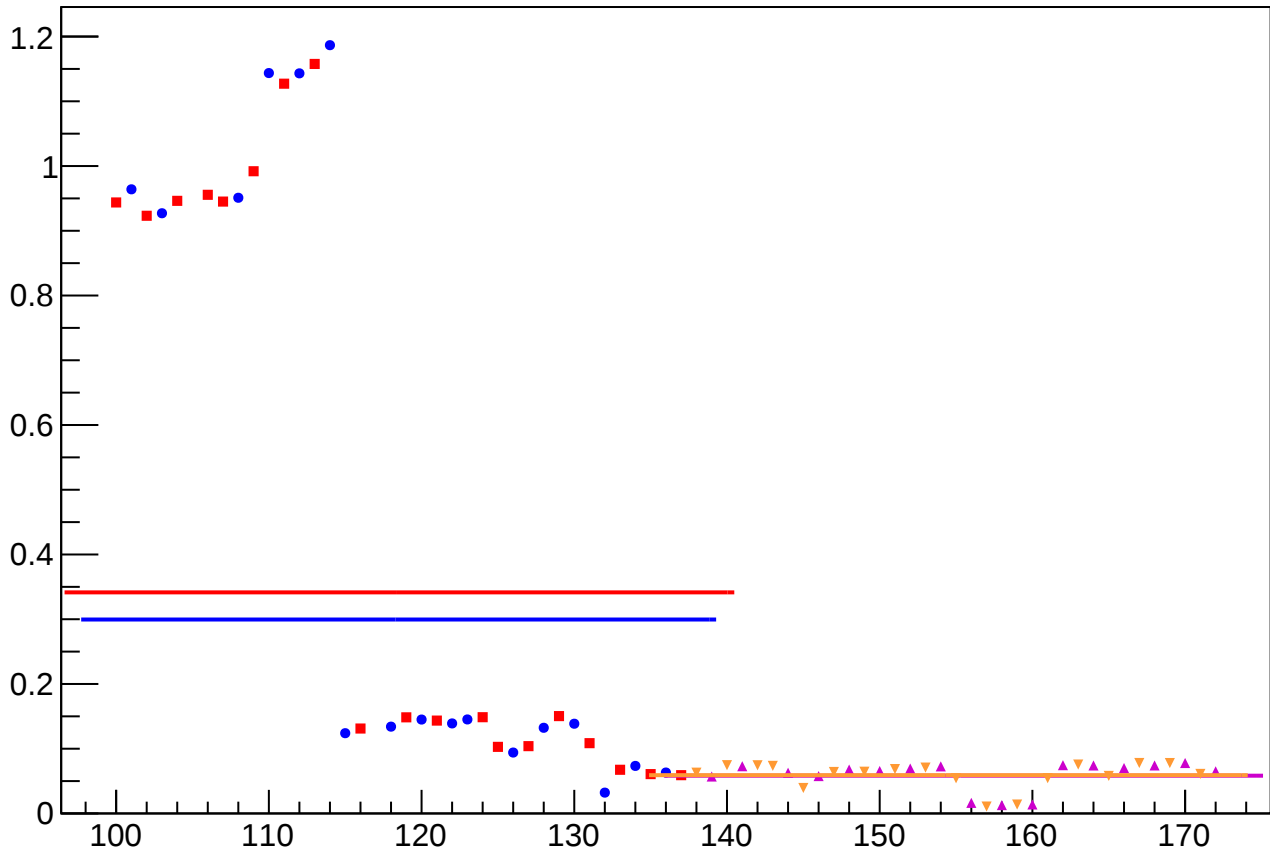
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:558070.3/16

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1609132.7/34

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 3626585.6/70

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 2010545.2/35

yield_bpm4ecY_mean vs Slug



Right In: 0.300 $\pm$ 0.000 χ^2 /NDF: 5165052137.6/16

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 43422189.6/17

Right Out: 0.341 $\pm$ 0.000 χ^2 /NDF: 5450600455.1/18

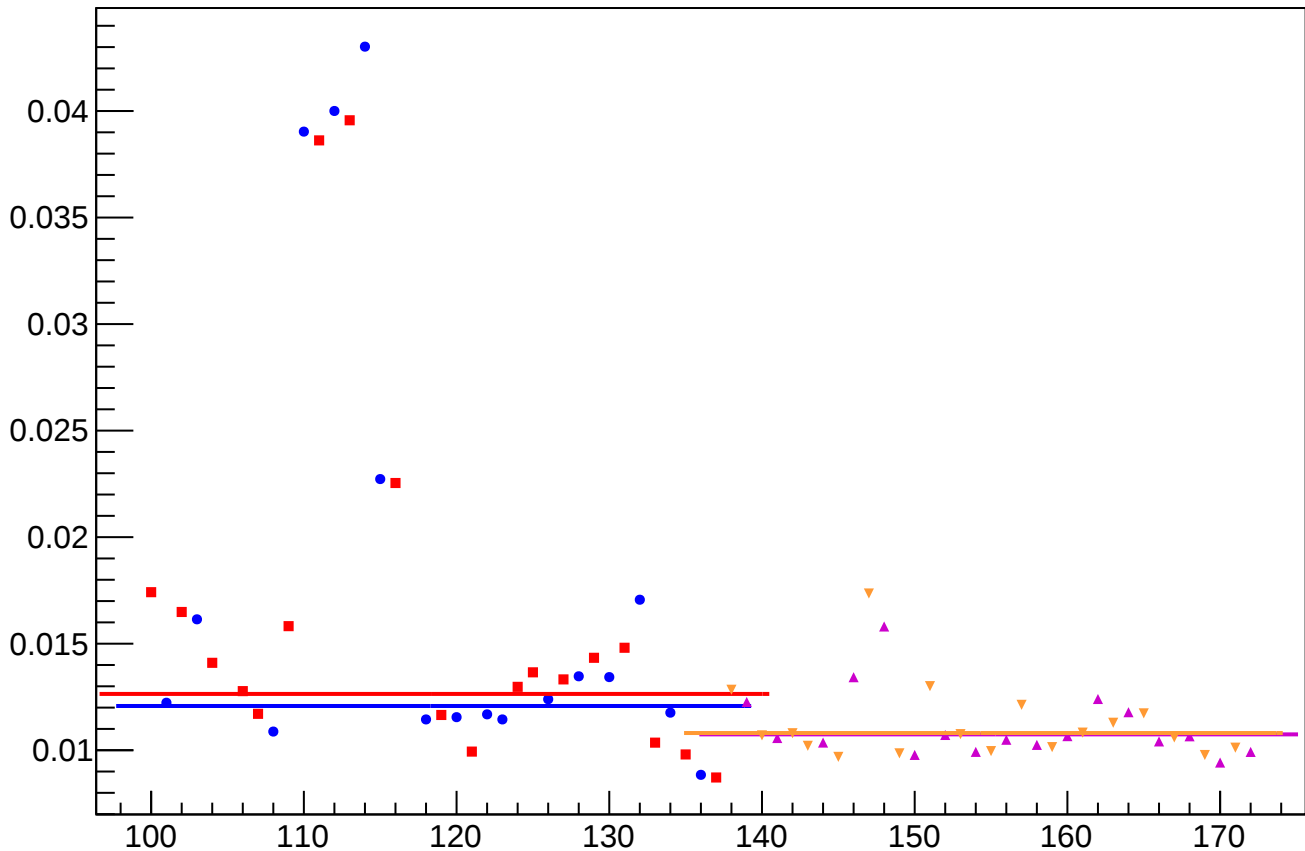
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF: 55148334.1/16

+ sign 0.122 $\pm$ 0.000 χ^2 /NDF: 6866477159.8/34

All: 0.126 $\pm$ 0.000 χ^2 /NDF: 14582698601.3/35

- sign 0.130 $\pm$ 0.000 χ^2 /NDF: 7711532392.8/35

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1282097.7/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:399591.0/17

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1237706.0/18

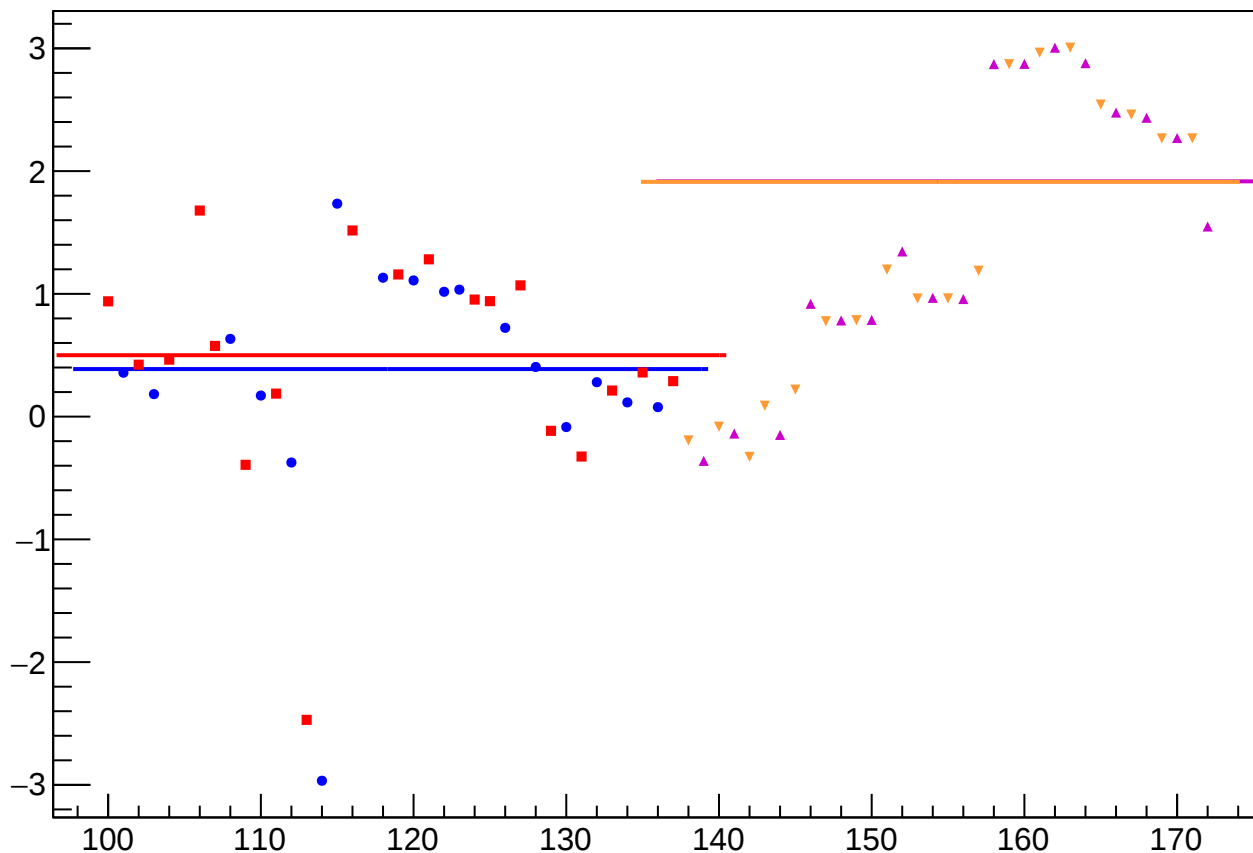
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:349148.0/16

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1774003.3/34

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3560212.8/70

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1785141.1/35

yield_bpm1X_mean vs Slug



Right In: 0.387+/-0.000 χ^2/NDF : 247912593.5/16

Left Out: 1.913+/-0.000 χ^2/NDF : 26789309269.6/17

Right Out: 0.500+/-0.000 χ^2/NDF : 983360928.1/18

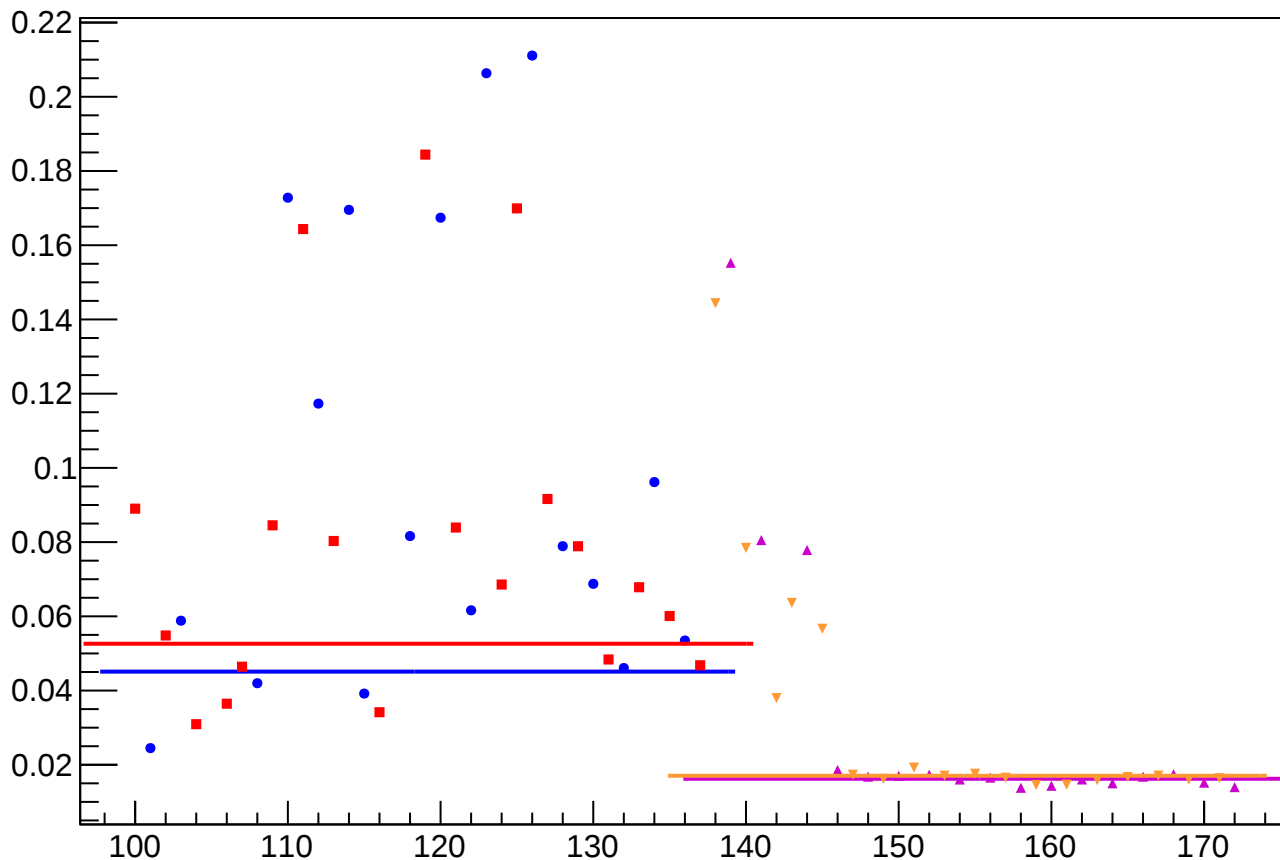
Left In: 1.917+/-0.000 χ^2/NDF : 28506159602.9/16

+ sign 1.837+/-0.000 χ^2/NDF : 30903864958.7/34

All: 1.850+/-0.000 χ^2/NDF : 63282409267.3/35

- sign 1.861+/-0.000 χ^2/NDF : 32367443354.3/35

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2846218.9/16

Left Out: 0.017+/-0.000 χ^2/NDF : 2738568.2/17

Right Out: 0.053+/-0.000 χ^2/NDF : 2190515.9/18

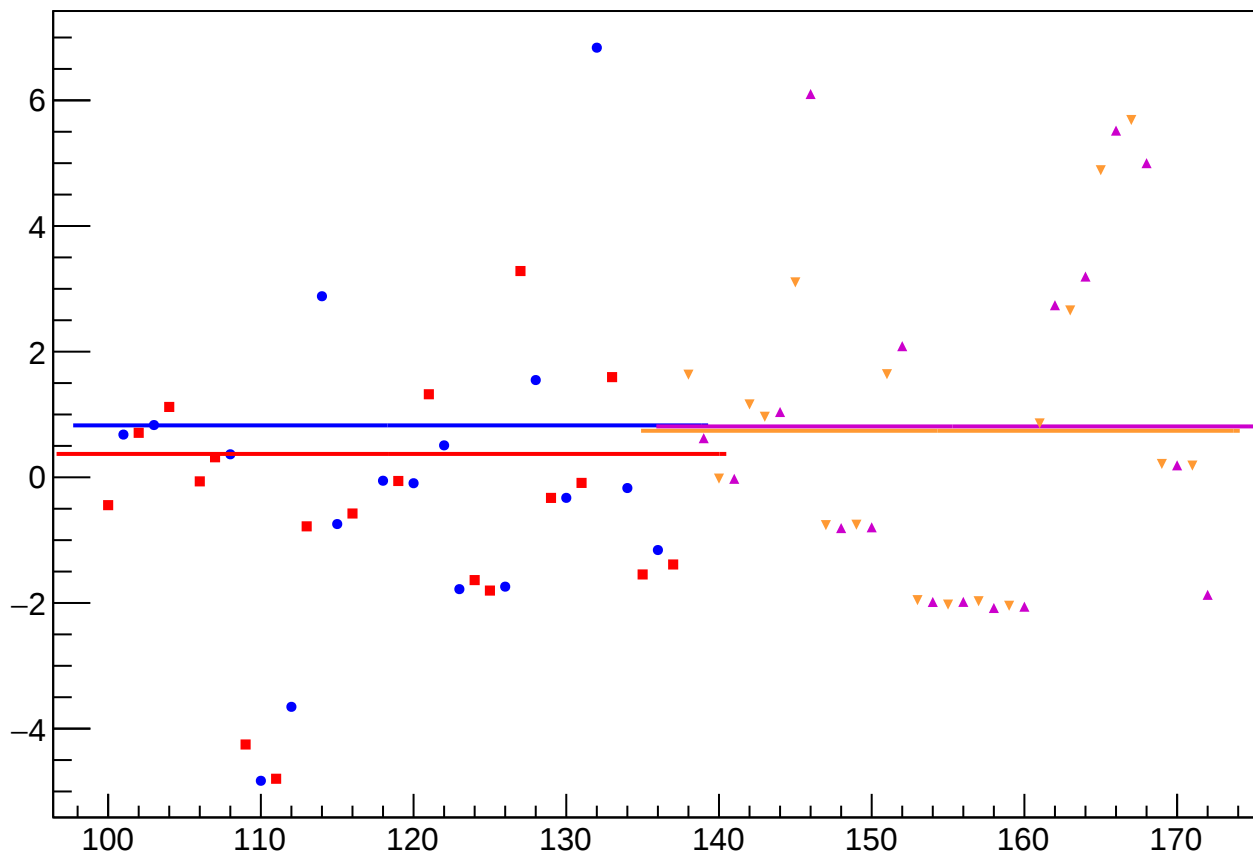
Left In: 0.016+/-0.000 χ^2/NDF : 2380551.9/16

+ sign 0.018+/-0.000 χ^2/NDF : 8202557.4/34

All: 0.018+/-0.000 χ^2/NDF : 16595461.8/70

- sign 0.018+/-0.000 χ^2/NDF : 8369980.4/35

yield_bpm1Y_mean vs Slug



Right In: 0.827 ± 0.000 χ^2/NDF : 10936458870.4/16

Left Out: 0.741 ± 0.000 χ^2/NDF : 364674282687.9/17

Right Out: 0.372 ± 0.000 χ^2/NDF : 4972900338.2/18

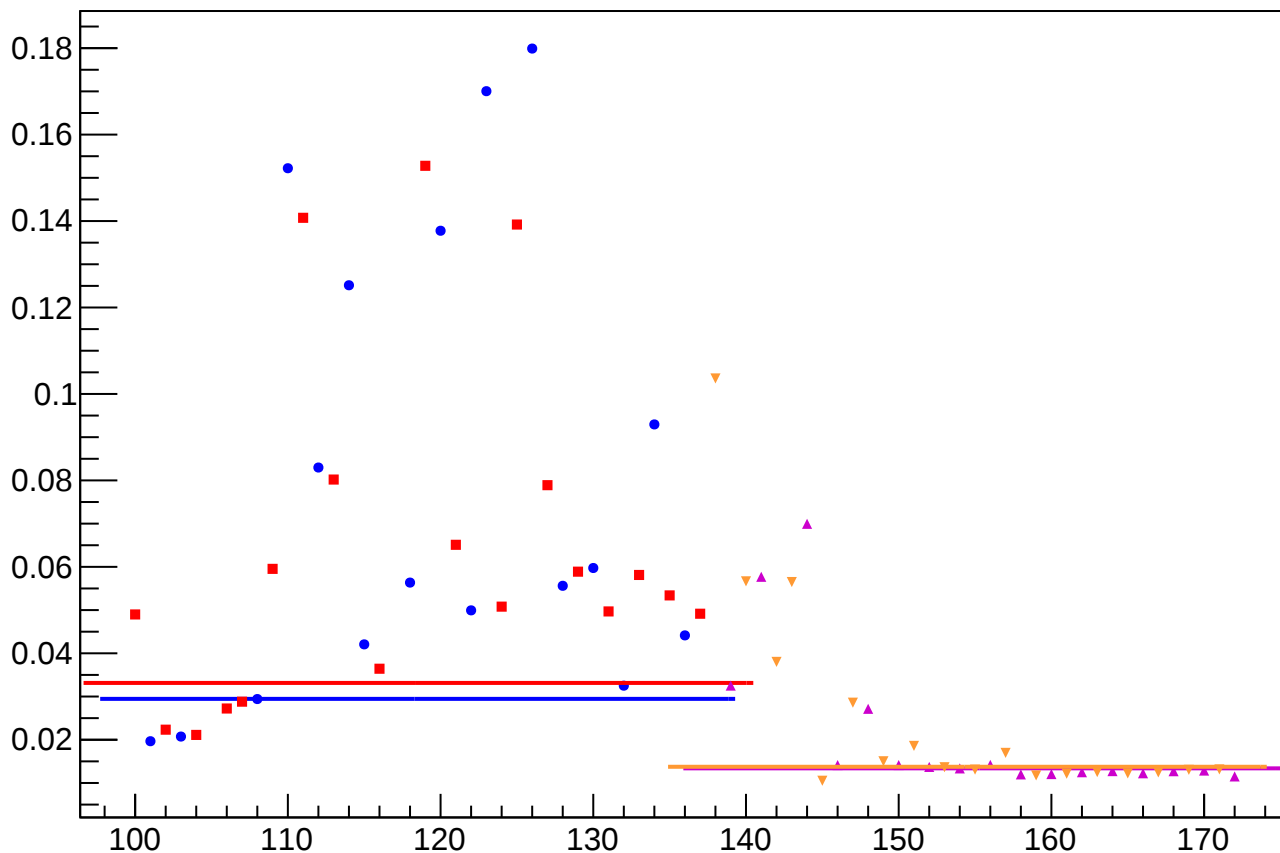
Left In: 0.810 ± 0.000 χ^2/NDF : 517255122317.4/16

+ sign 0.747 ± 0.000 χ^2/NDF : 375637635992.0/34

All: 0.767 ± 0.000 χ^2/NDF : 898544857364.3

- sign 0.786 ± 0.000 χ^2/NDF : 522861083212.1/35

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 3053519.6/16

Left Out: 0.014+/-0.000 χ^2/NDF :2845724.5/17

Right Out: 0.033+/-0.000 χ^2/NDF : 3096820.9/18

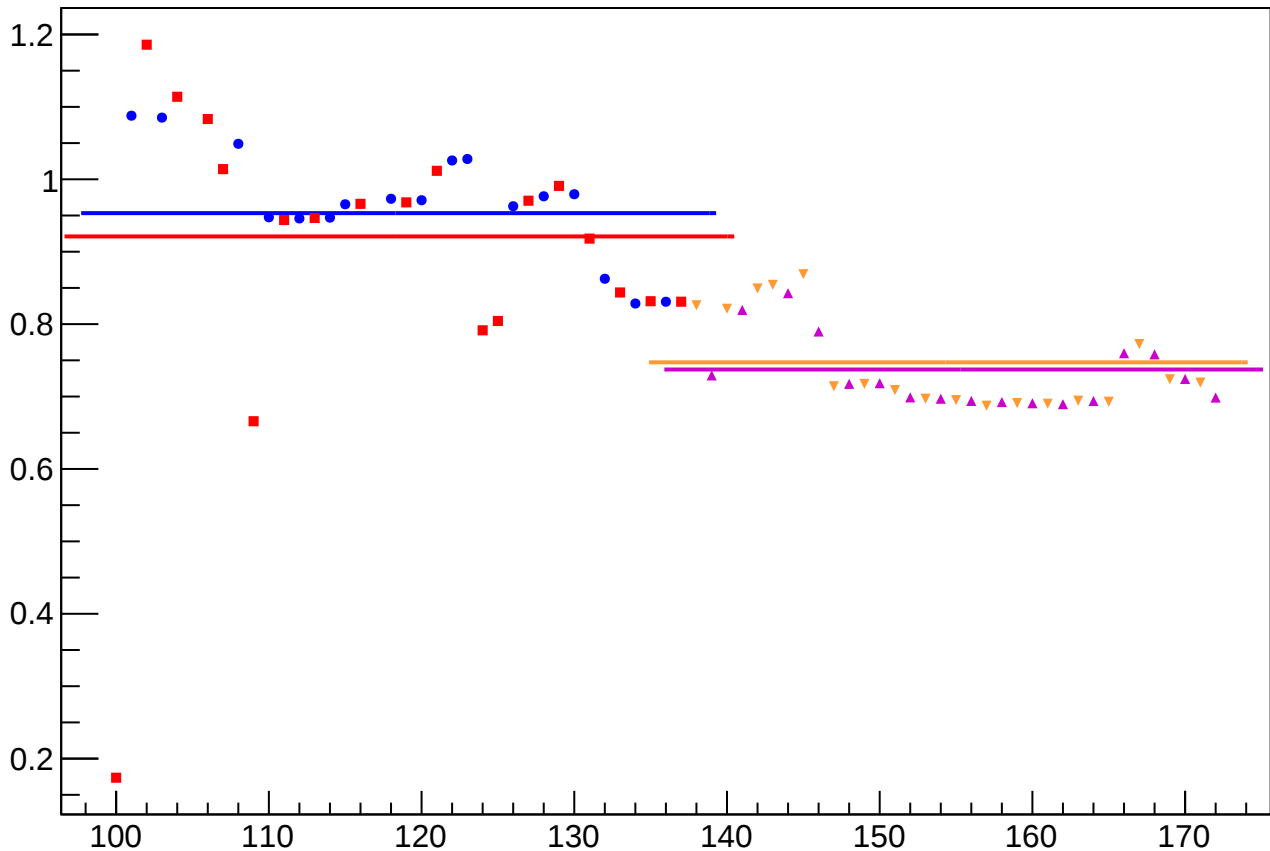
Left In: 0.013+/-0.000 χ^2/NDF :1911811.2/16

+ sign 0.015+/-0.000 χ^2/NDF : 7711249.2/34

All: 0.015+/-0.000 χ^2/NDF : 15307109.9/70

- sign 0.014+/-0.000 χ^2/NDF : 7589550.8/35

yield_bpm11X_mean vs Slug



Right In: 0.953 ± 0.000 χ^2/NDF : 175396553.4/16

Left Out: 0.747 ± 0.000 χ^2/NDF : 264714780.9/17

+ sign 0.814 ± 0.000 χ^2/NDF : 1328400143.9/34

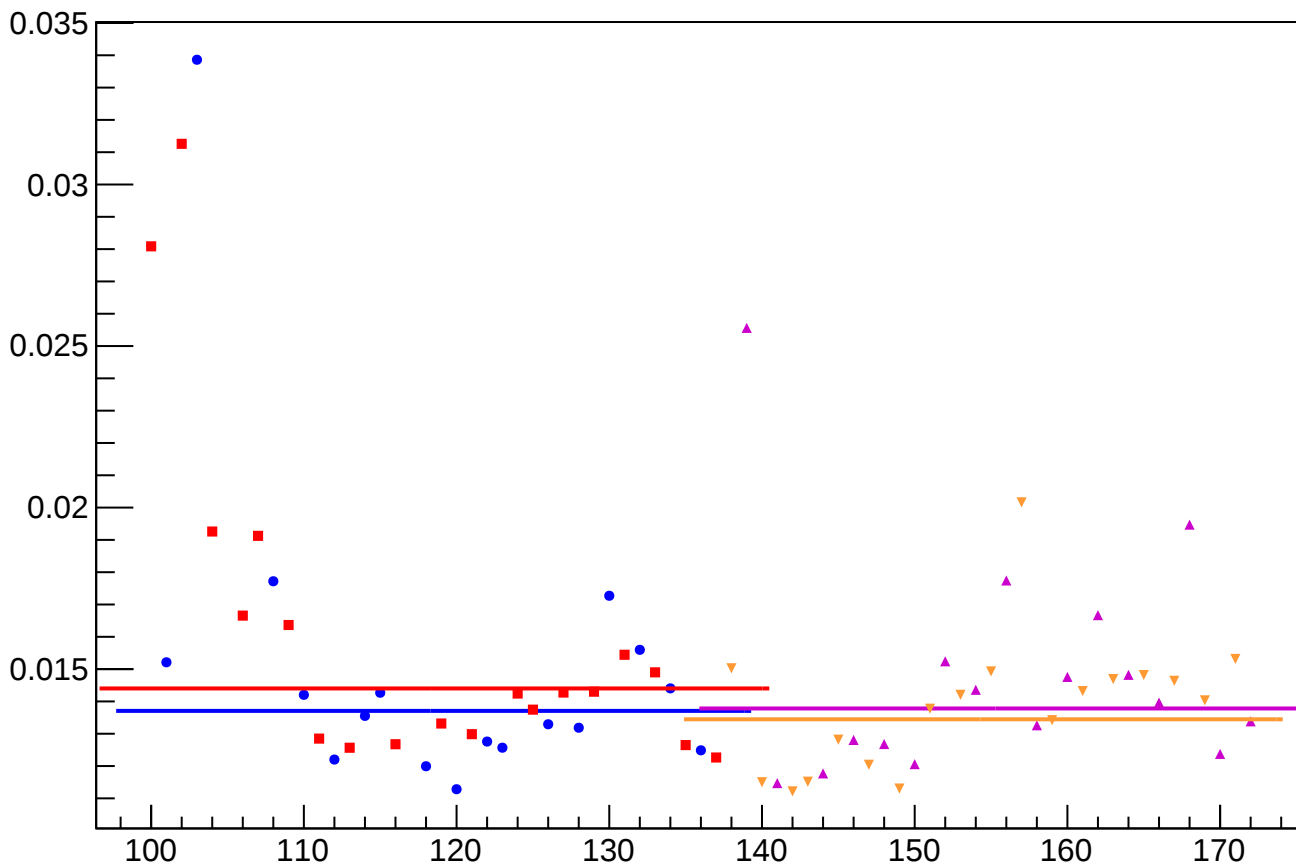
Right Out: 0.921 ± 0.000 χ^2/NDF : 374221279.1/18

All: 0.806 ± 0.000 χ^2/NDF : 2549726972.0/70

- sign 0.797 ± 0.000 χ^2/NDF : 1207742707.6/35

Left In: 0.737 ± 0.000 χ^2/NDF : 163568662.1/16

yield_bpm11X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 546317.6/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:393006.8/17

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 501768.8/18

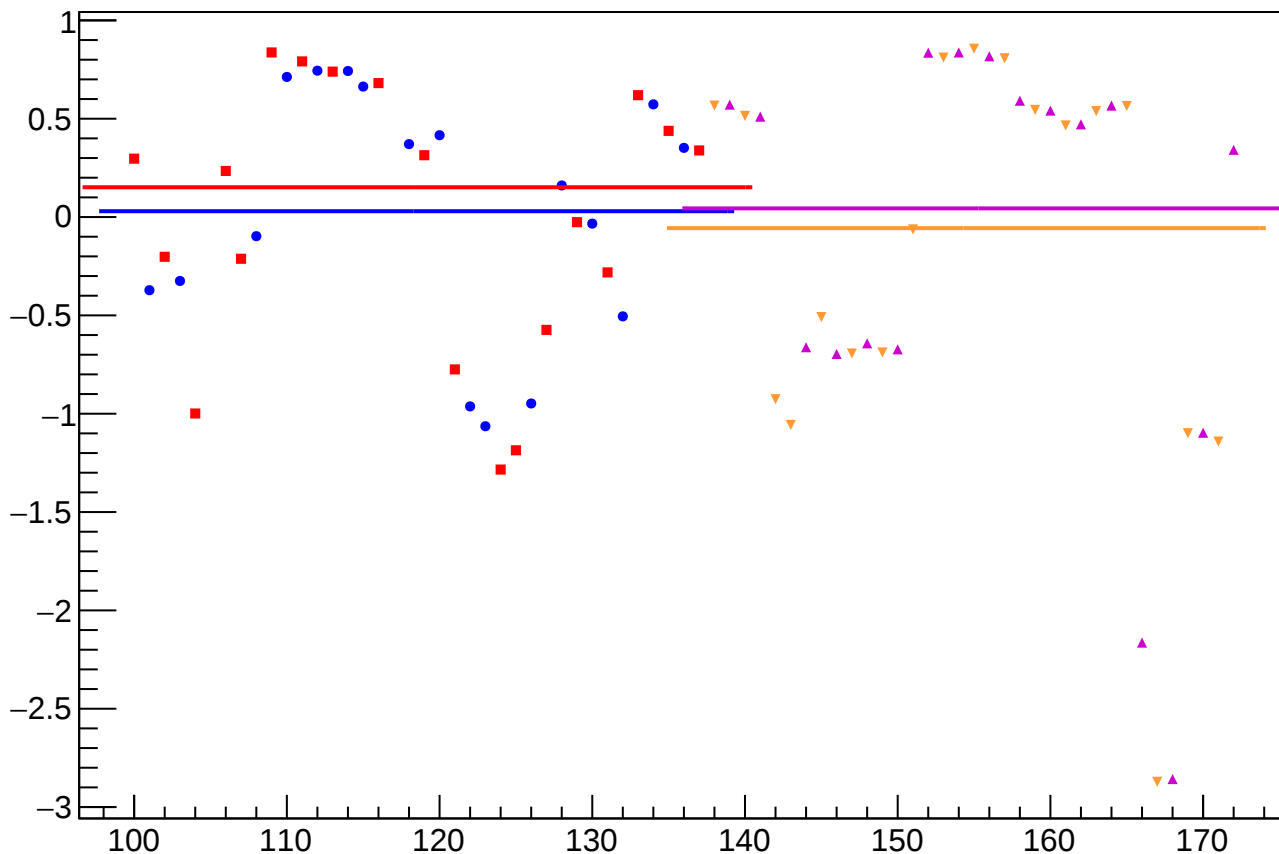
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:725621.4/16

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 942170.0/34

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2203768.1/70

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1242631.5/35

yield_bpm11Y_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 6294824795.0/16

Left Out: -0.056 $\pm$ 0.000 χ^2 /NDF: 72469680485.2/17

Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 12661812059.7/18

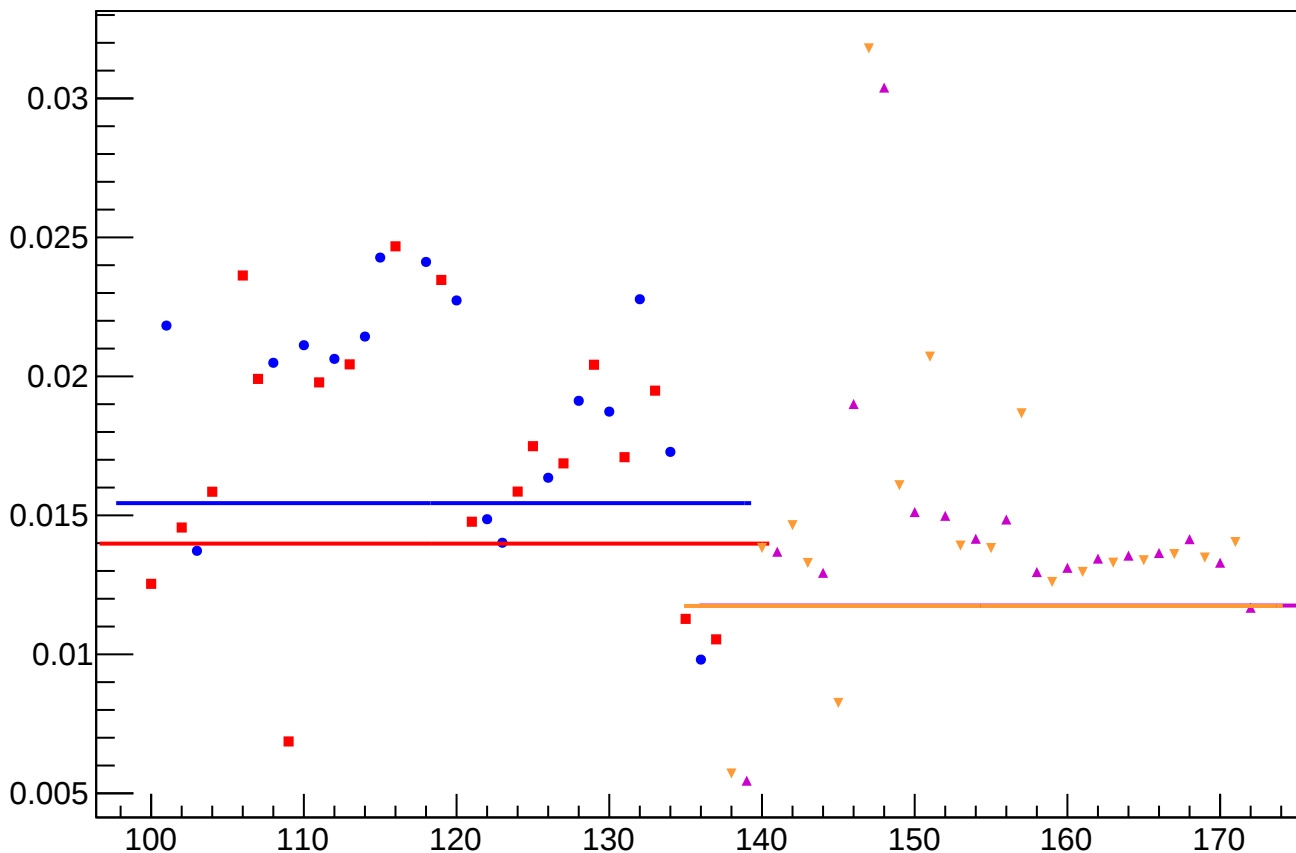
Left In: 0.044 $\pm$ 0.000 χ^2 /NDF: 78137996209.2/16

+ sign -0.037 $\pm$ 0.000 χ^2 /NDF: 78900408859.1/34

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 170582179498.8

- sign 0.072 $\pm$ 0.000 χ^2 /NDF: 91043135923.2/35

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1161852.5/16

Left Out: 0.012+/-0.000 χ^2/NDF : 3013548.8/17

Right Out: 0.014+/-0.000 χ^2/NDF : 1560788.2/18

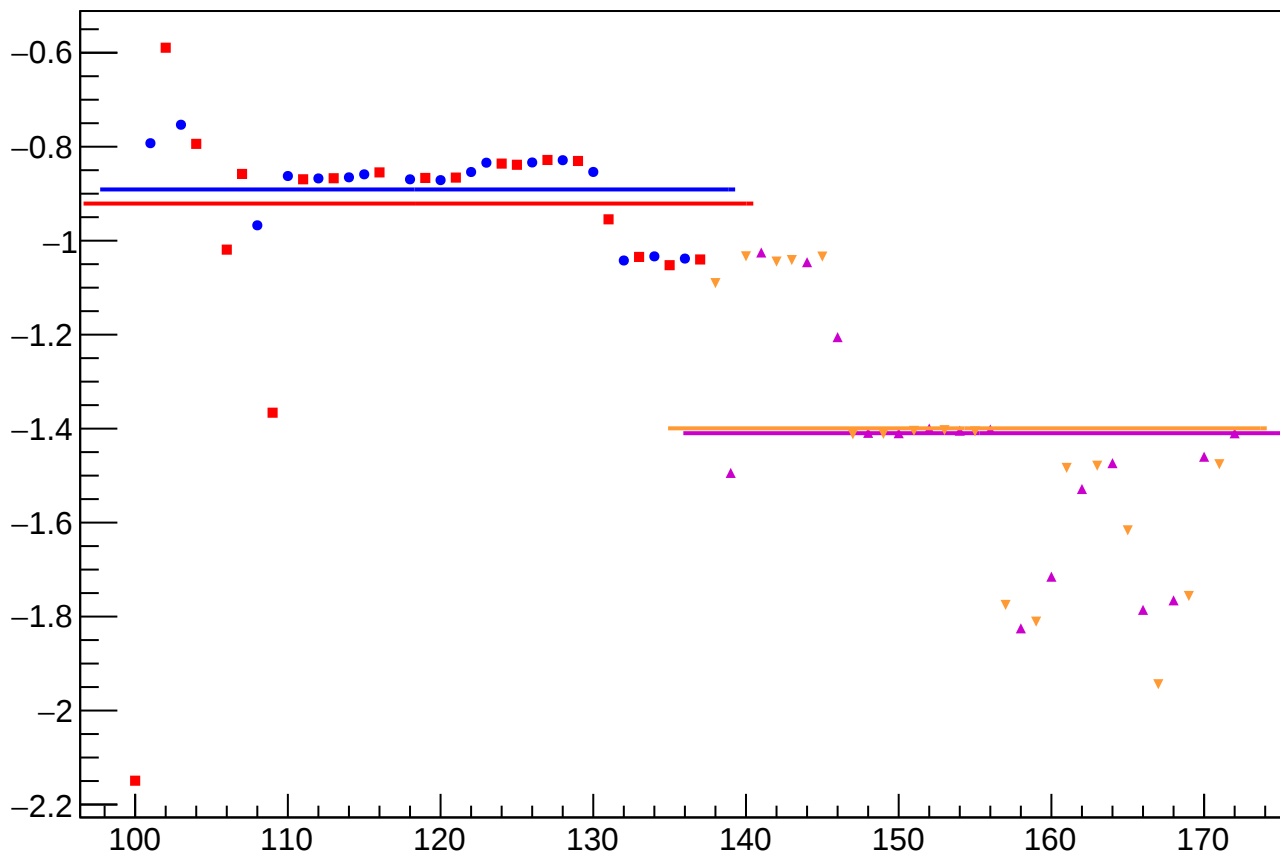
Left In: 0.012+/-0.000 χ^2/NDF : 2938928.8/16

+ sign 0.013+/-0.000 χ^2/NDF : 4678014.6/34

All: 0.012+/-0.000 χ^2/NDF : 9393309.1/70

- sign 0.012+/-0.000 χ^2/NDF : 4709353.3/35

yield_bpm12X_mean vs Slug



Right In: -0.891+/-0.000 χ^2/NDF : 39578323.2/16

Left Out: -1.399+/-0.000 χ^2/NDF : 717958378.4/17

Right Out: -0.921+/-0.000 χ^2/NDF : 131183059.9/18

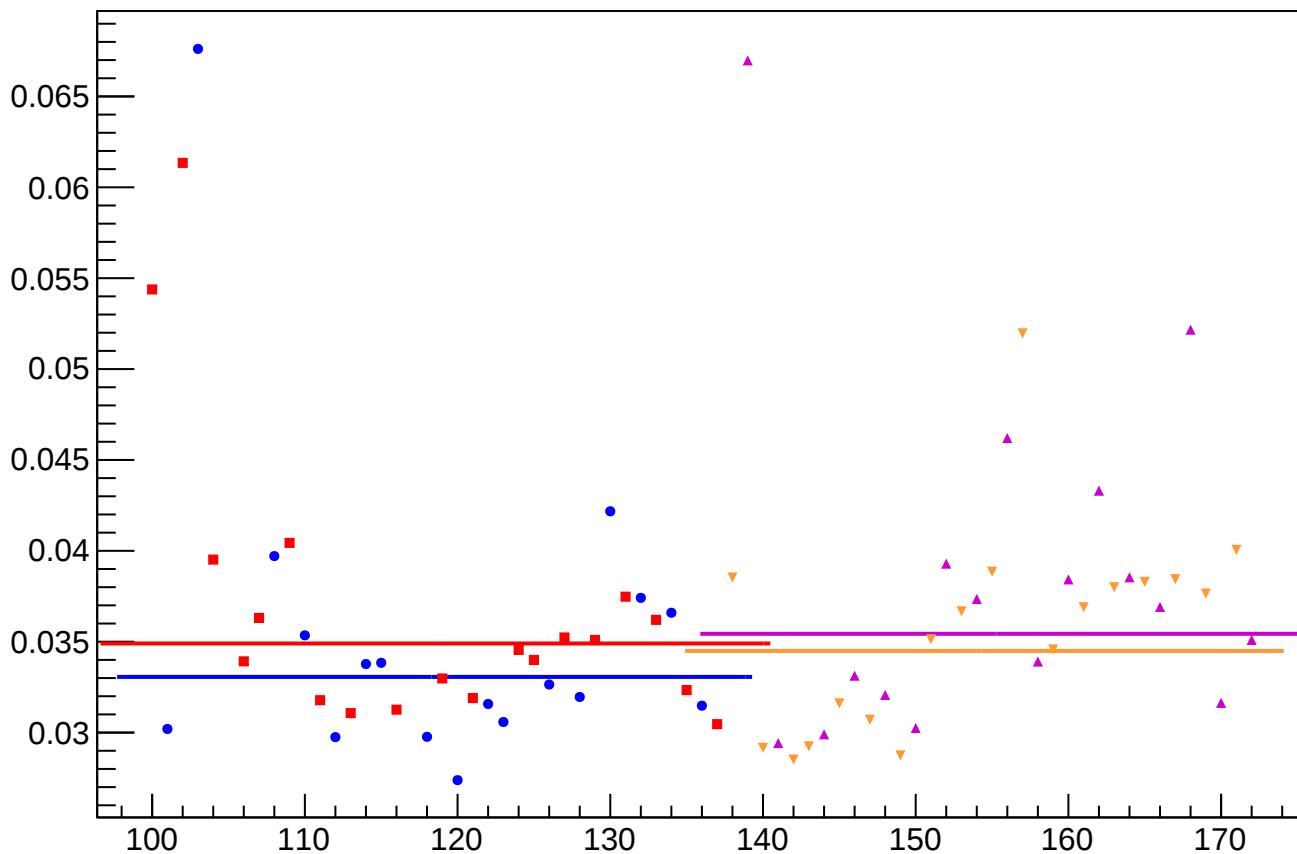
Left In: -1.410+/-0.000 χ^2/NDF : 511069892.1/16

+ sign -1.218+/-0.000 χ^2/NDF : 1651391061.6/34

All: -1.227+/-0.000 χ^2/NDF : 3073551291.3/7

- sign -1.236+/-0.000 χ^2/NDF : 1419893704.6/35

yield_bpm12X_rms vs Slug



Right In: 0.033 $\pm$ 0.000 χ^2 /NDF: 409286.7/16

Left Out: 0.034 $\pm$ 0.000 χ^2 /NDF: 448505.1/17

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 274270.8/18

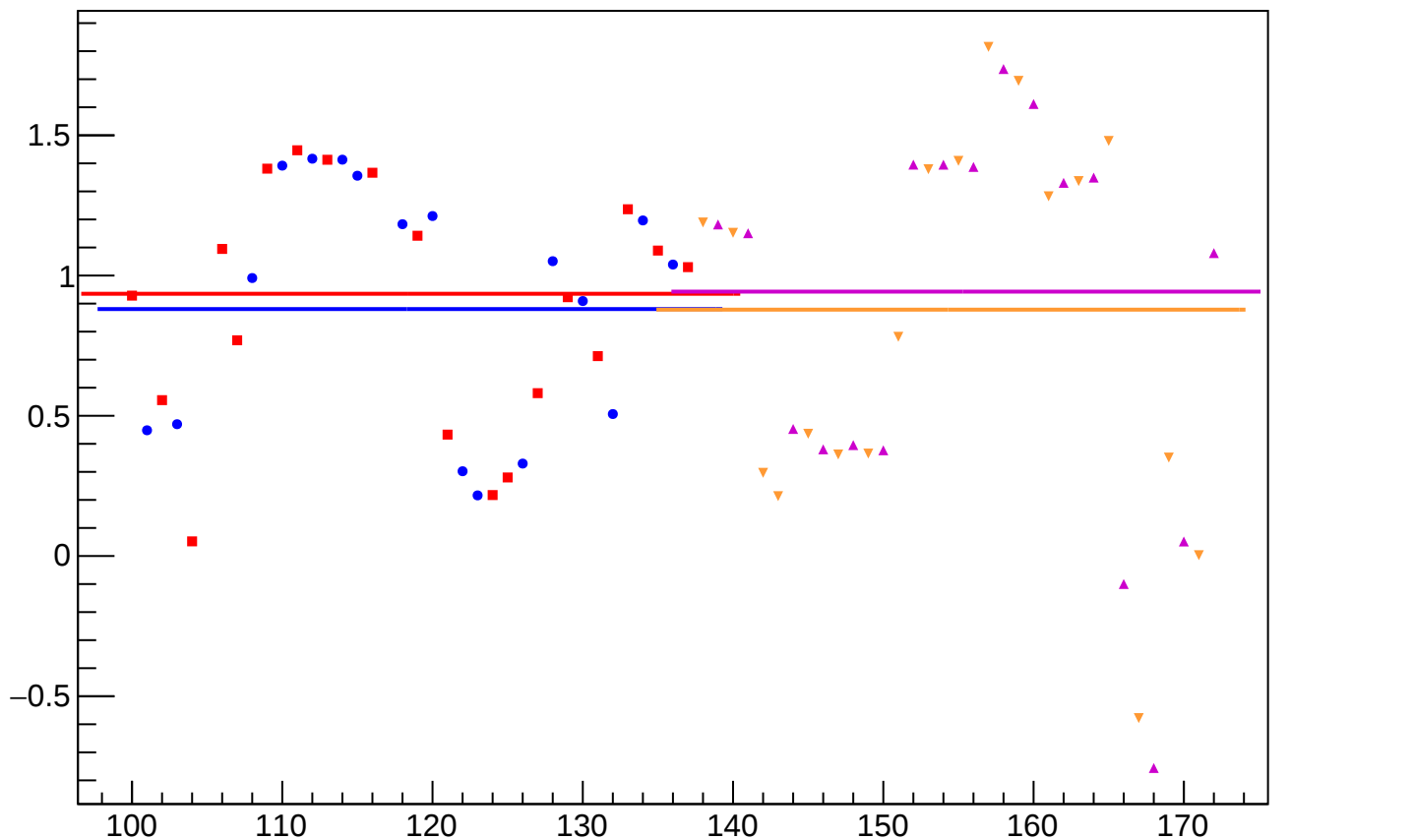
Left In: 0.035 $\pm$ 0.000 χ^2 /NDF: 808866.4/16

+ sign 0.034 $\pm$ 0.000 χ^2 /NDF: 871947.8/34

All: 0.035 $\pm$ 0.000 χ^2 /NDF: 1980235.3/70

- sign 0.035 $\pm$ 0.000 χ^2 /NDF: 1084986.8/35

yield_bpm12Y_mean vs Slug



Right In: 0.880 $\pm$ 0.000 χ^2 /NDF: 6400108121.4/16

Left Out: 0.878 $\pm$ 0.000 χ^2 /NDF: 63381596675.1/17

Right Out: 0.935 $\pm$ 0.000 χ^2 /NDF: 9833525935.6/18

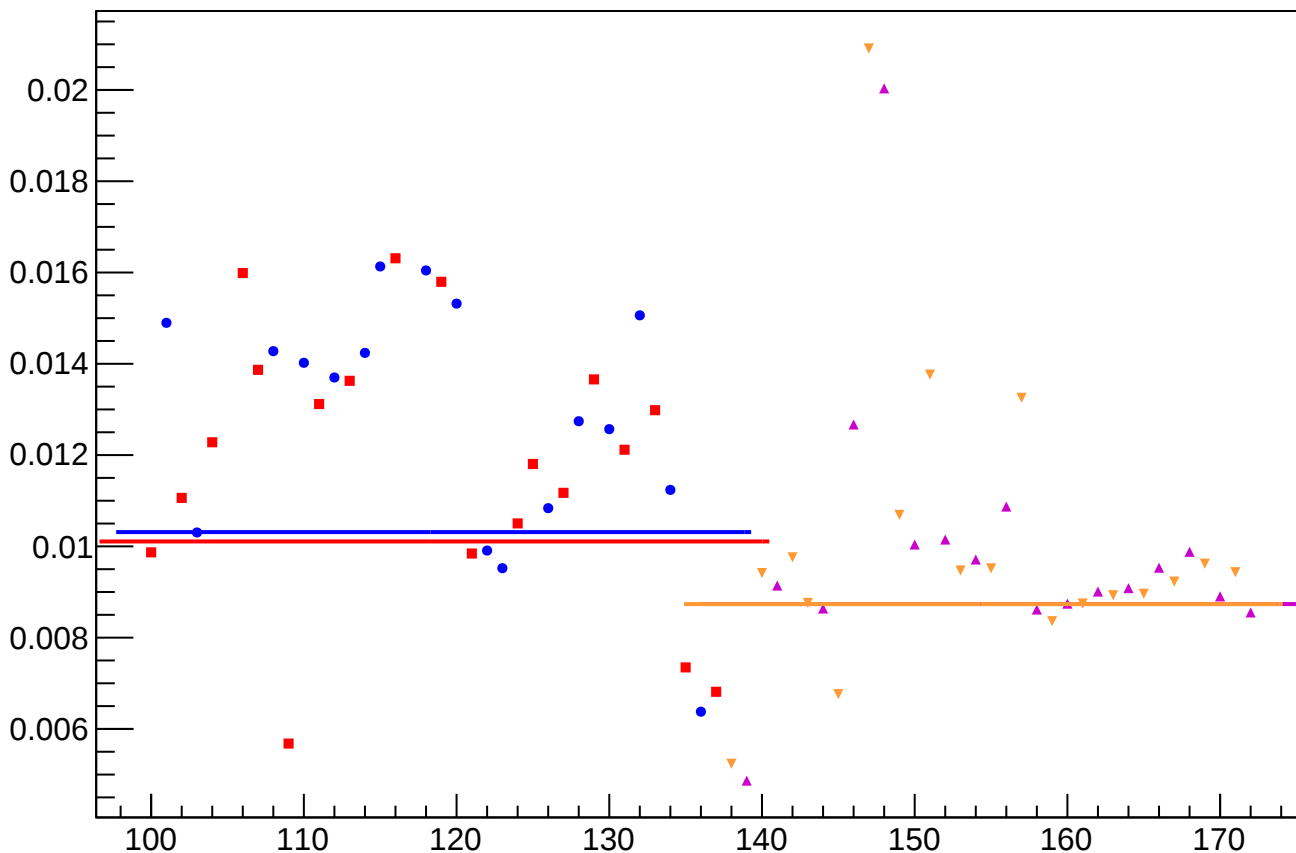
Left In: 0.943 $\pm$ 0.000 χ^2 /NDF: 65214633198.6/16

+ sign 0.879 $\pm$ 0.000 χ^2 /NDF: 69781875651.3/34

All: 0.910 $\pm$ 0.000 χ^2 /NDF: 145233346032.8

- sign 0.941 $\pm$ 0.000 χ^2 /NDF: 75050602679.4/35

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1231066.2/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1687537.0/17

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1178489.1/18

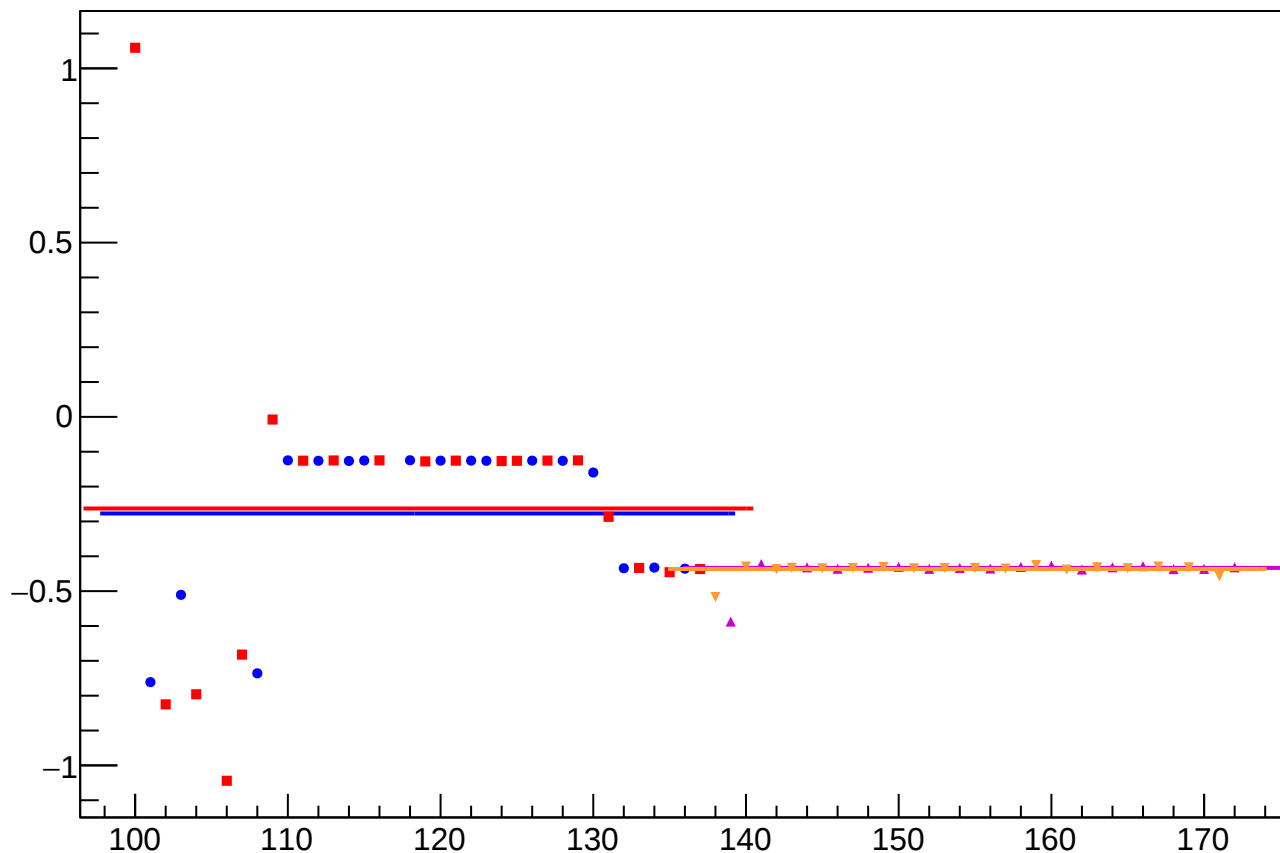
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1593016.3/16

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3115038.5/34

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6043559.0/70

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2928383.9/35

yield_bpm16X_mean vs Slug



Right In: -0.277 ± 0.000 χ^2/NDF : 940562986.7/16

Left Out: -0.437 ± 0.000 χ^2/NDF : 28633177.0/17

Right Out: -0.263 ± 0.000 χ^2/NDF : 1008398102.0/18

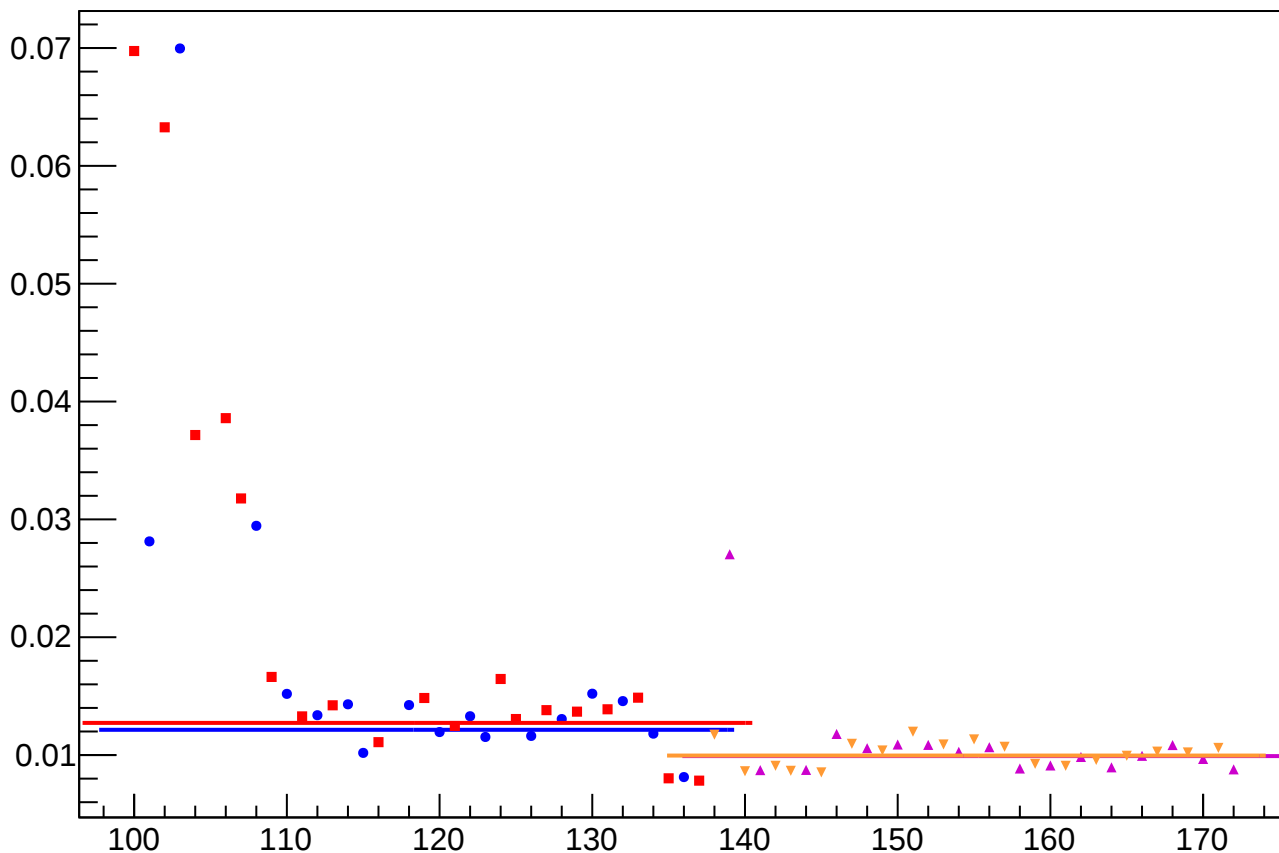
Left In: -0.433 ± 0.000 χ^2/NDF : 23651030.0/16

+ sign -0.402 ± 0.000 χ^2/NDF : 1603456818.9/34

All: -0.399 ± 0.000 χ^2/NDF : 3321361633.5/7

- sign -0.397 ± 0.000 χ^2/NDF : 1716507927.3/35

yield_bpm16X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1727494.7/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:233011.0/17

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1969165.0/18

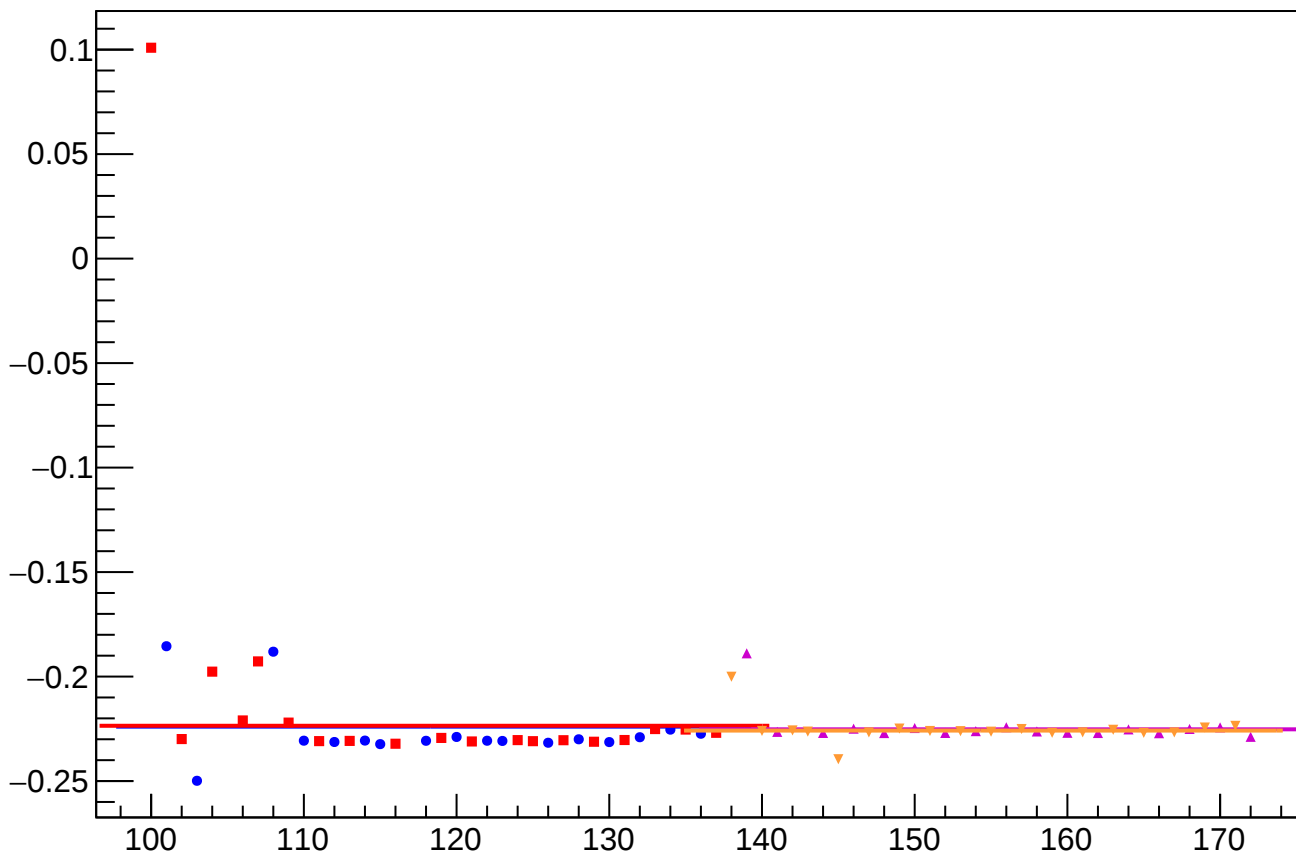
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:724119.7/16

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2198774.9/34

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 5266784.8/70

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3067277.6/35

yield_bpm16Y_mean vs Slug



Right In: -0.224+/-0.000 χ^2/NDF : 74704721.6/16

Left Out: -0.226+/-0.000 χ^2/NDF : 20834147.5/17

Right Out: -0.224+/-0.000 χ^2/NDF : 168125914.6/18

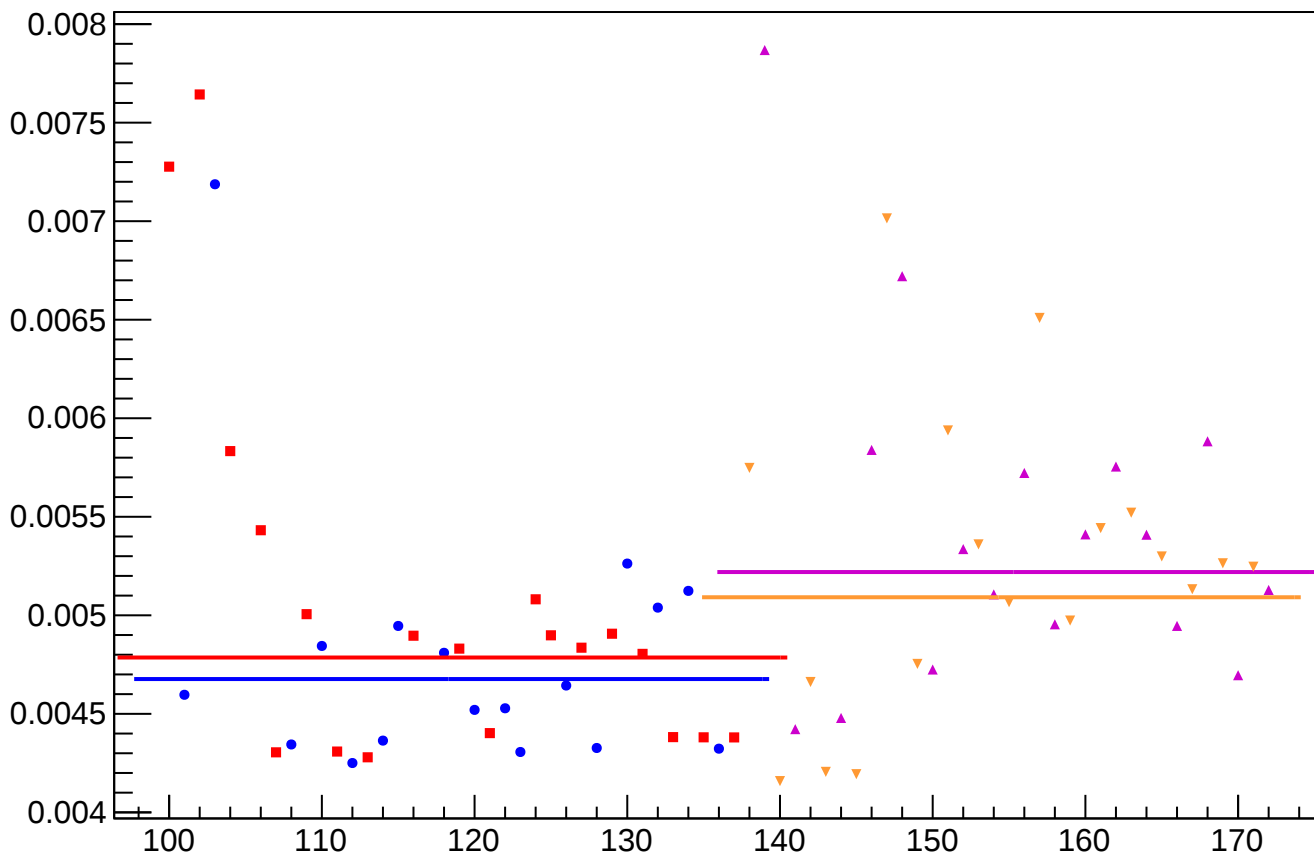
Left In: -0.225+/-0.000 χ^2/NDF : 14693340.4/16

+ sign -0.225+/-0.000 χ^2/NDF : 96168631.0/34

All: -0.225+/-0.000 χ^2/NDF : 279599407.0/70

- sign -0.225+/-0.000 χ^2/NDF : 183316112.9/35

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 181335.1/16

Left Out: 0.005+/-0.000 χ^2/NDF : 451092.8/17

Right Out: 0.005+/-0.000 χ^2/NDF : 248196.8/18

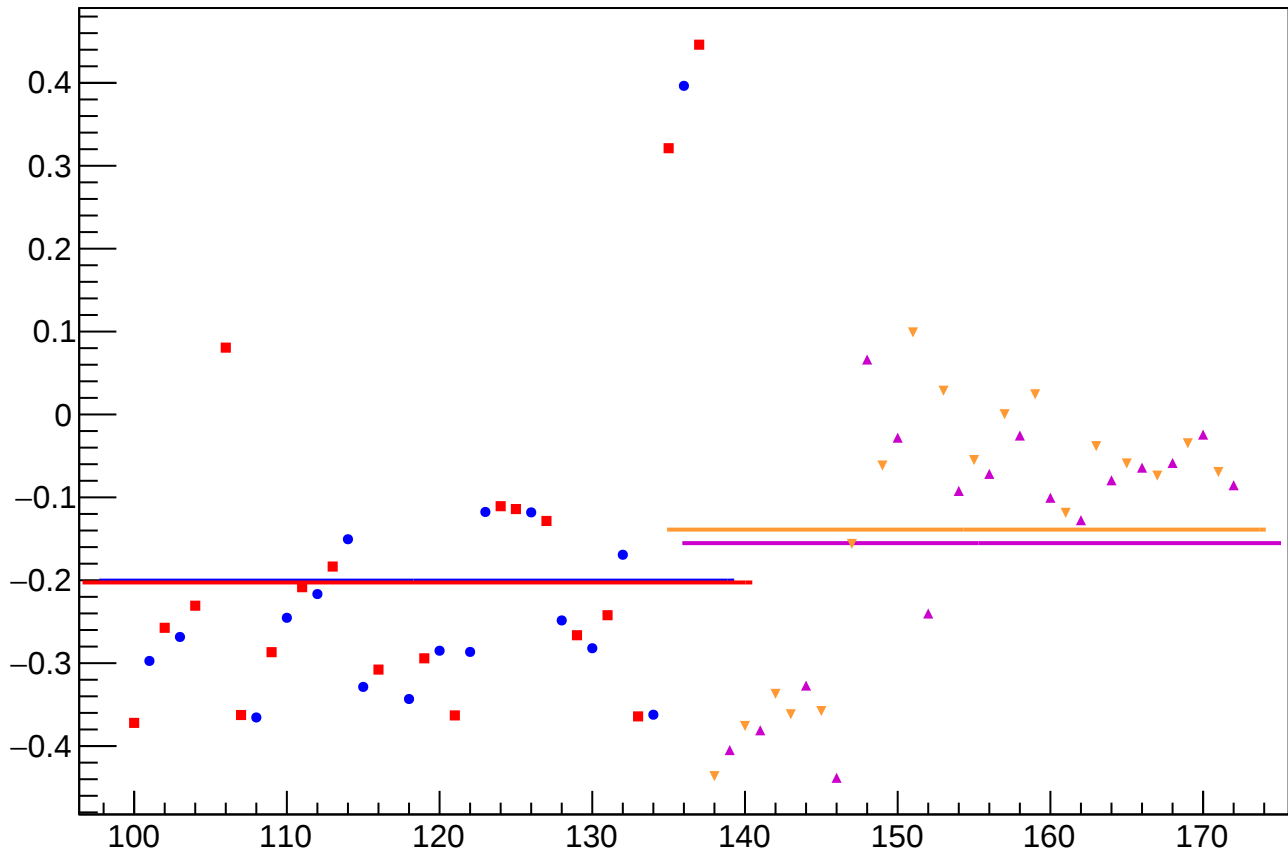
Left In: 0.005+/-0.000 χ^2/NDF : 426156.1/16

+ sign 0.005+/-0.000 χ^2/NDF : 692844.4/34

All: 0.005+/-0.000 χ^2/NDF : 1441709.8/70

- sign 0.005+/-0.000 χ^2/NDF : 739254.6/35

yield_bpm0i02X_mean vs Slug



Right In: -0.200 ± 0.000 χ^2/NDF : 5973556486.0/16

Left Out: -0.139 ± 0.000 χ^2/NDF : 11627581915.9/17

Right Out: -0.203 ± 0.000 χ^2/NDF : 5028268807.1/18

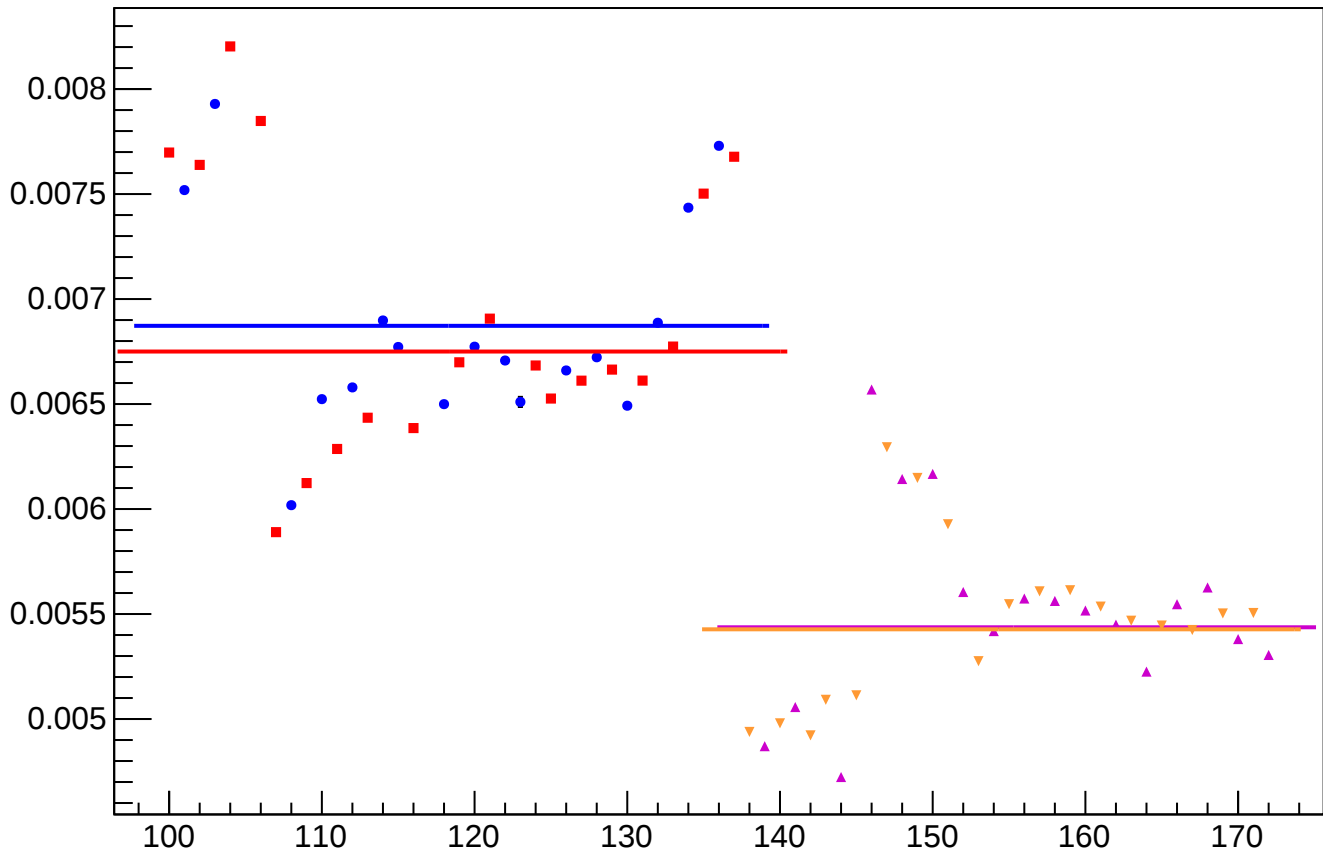
Left In: -0.155 ± 0.000 χ^2/NDF : 8888558486.5/16

+ sign -0.154 ± 0.000 χ^2/NDF : 17998663058.1/34

All: -0.161 ± 0.000 χ^2/NDF : 32219583873.8/35

- sign -0.168 ± 0.000 χ^2/NDF : 14166386425.0/35

yield_bpm0i02X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 78611.6/16

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:106254.9/17

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 105124.4/18

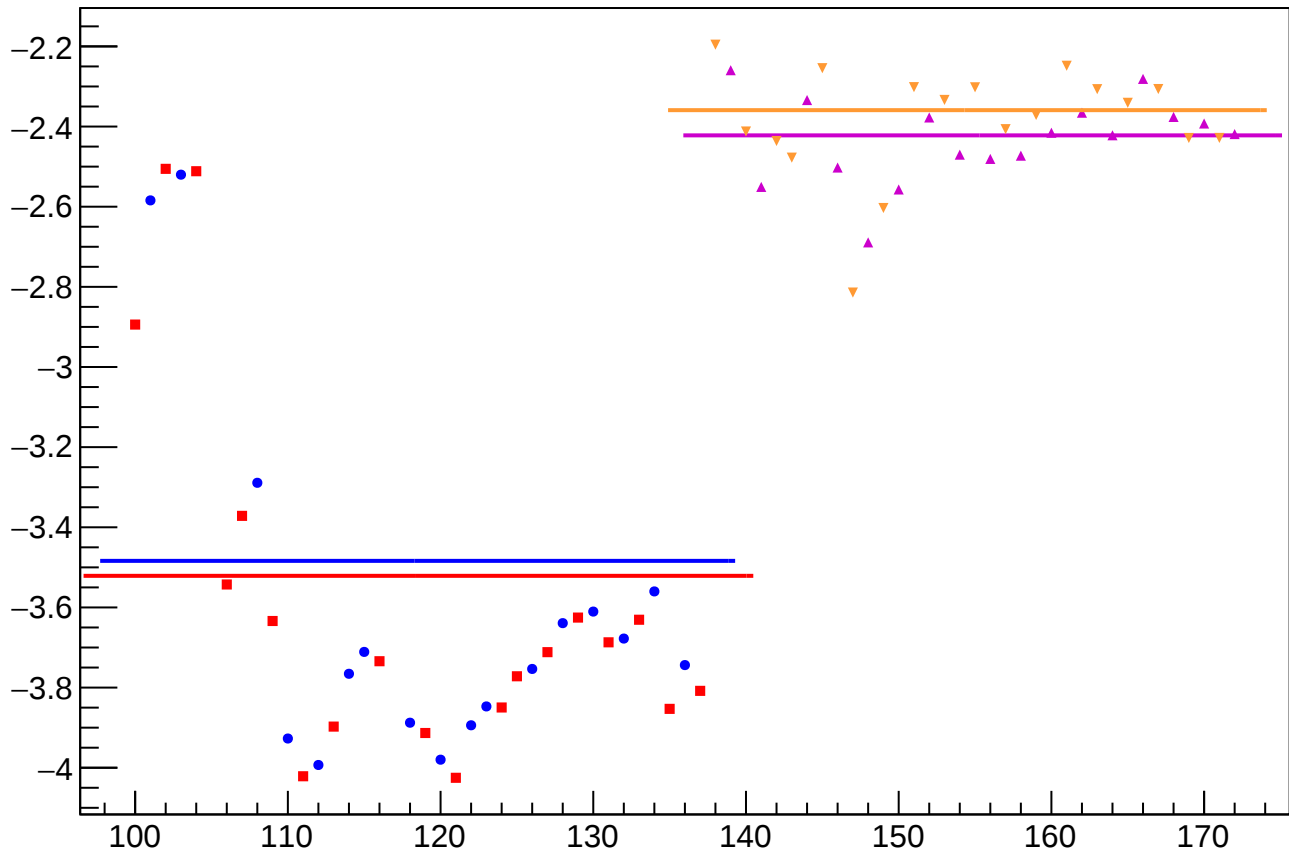
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:149115.8/16

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 623306.1/34

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 1259759.7/70

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 636440.4/35

yield_bpm0i02Y_mean vs Slug



Right In: -3.484 $\pm$ 0.000 χ^2 /NDF: 27174302276.9/16

Left Out: -2.359 $\pm$ 0.000 χ^2 /NDF: 1793326872.8/17

Right Out: -3.521 $\pm$ 0.000 χ^2 /NDF: 26472007419.8/18

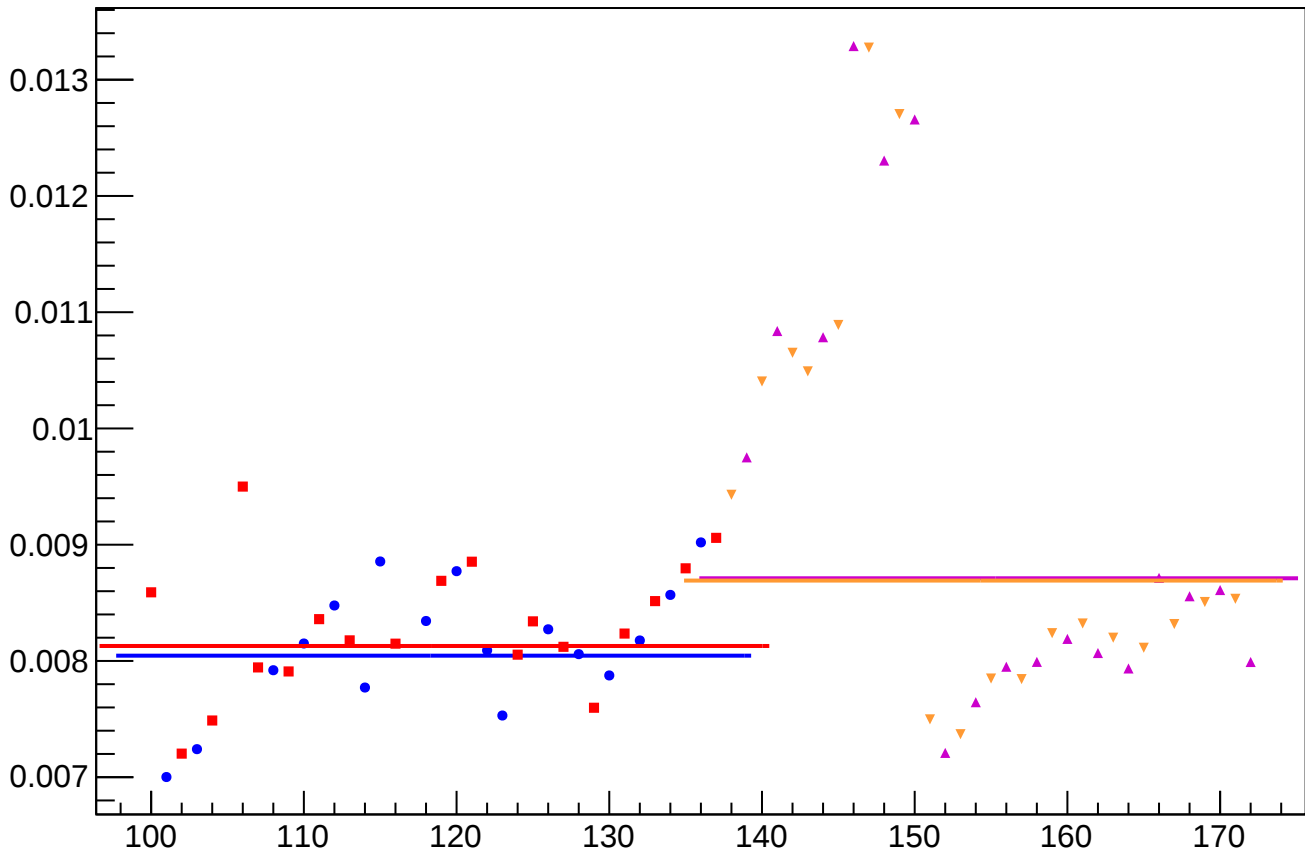
Left In: -2.422 $\pm$ 0.000 χ^2 /NDF: 1136088086.9/16

+ sign -2.787 $\pm$ 0.000 χ^2 /NDF: 107800542176.1/34

All: -2.819 $\pm$ 0.000 χ^2 /NDF: 211445760807.3

- sign -2.851 $\pm$ 0.000 χ^2 /NDF: 103096363083.6/35

yield_bpm0i02Y_rms vs Slug



Right In: 0.008 ± 0.000 $\chi^2/\text{NDF}: 71989.8/16$

Left Out: 0.009 ± 0.000 $\chi^2/\text{NDF}: 594546.3/17$

Right Out: 0.008 ± 0.000 $\chi^2/\text{NDF}: 57478.2/18$

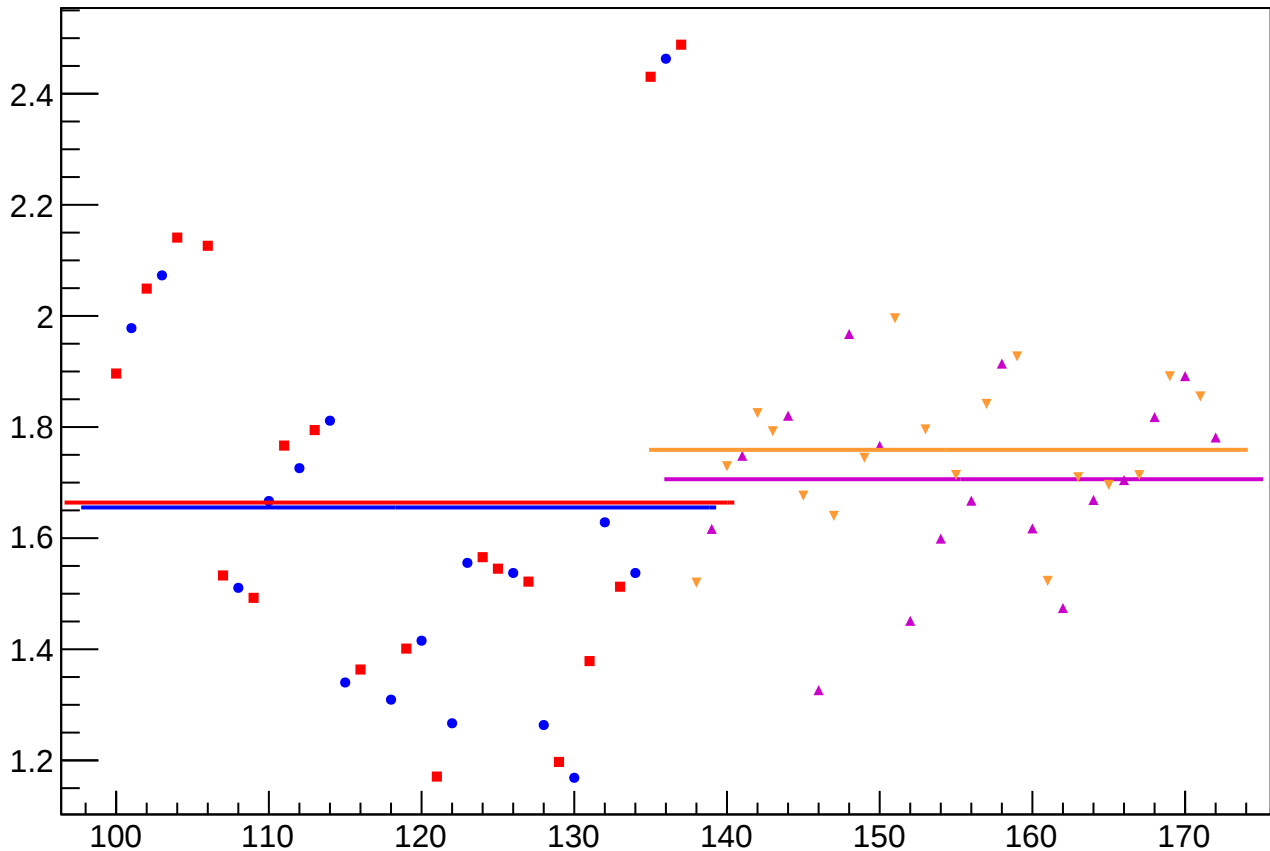
Left In: 0.009 ± 0.000 $\chi^2/\text{NDF}: 712617.7/16$

+ sign 0.008 ± 0.000 $\chi^2/\text{NDF}: 718563.6/34$

All: 0.008 ± 0.000 $\chi^2/\text{NDF}: 1531428.4/70$

- sign 0.008 ± 0.000 $\chi^2/\text{NDF}: 812486.5/35$

yield_bpm0i02aX_mean vs Slug



Right In: 1.655 $\pm$ 0.000 χ^2 /NDF: 6476474909.3/16

Left Out: 1.759 $\pm$ 0.000 χ^2 /NDF: 1751837573.8/17

Right Out: 1.664 $\pm$ 0.000 χ^2 /NDF: 5944262279.7/18

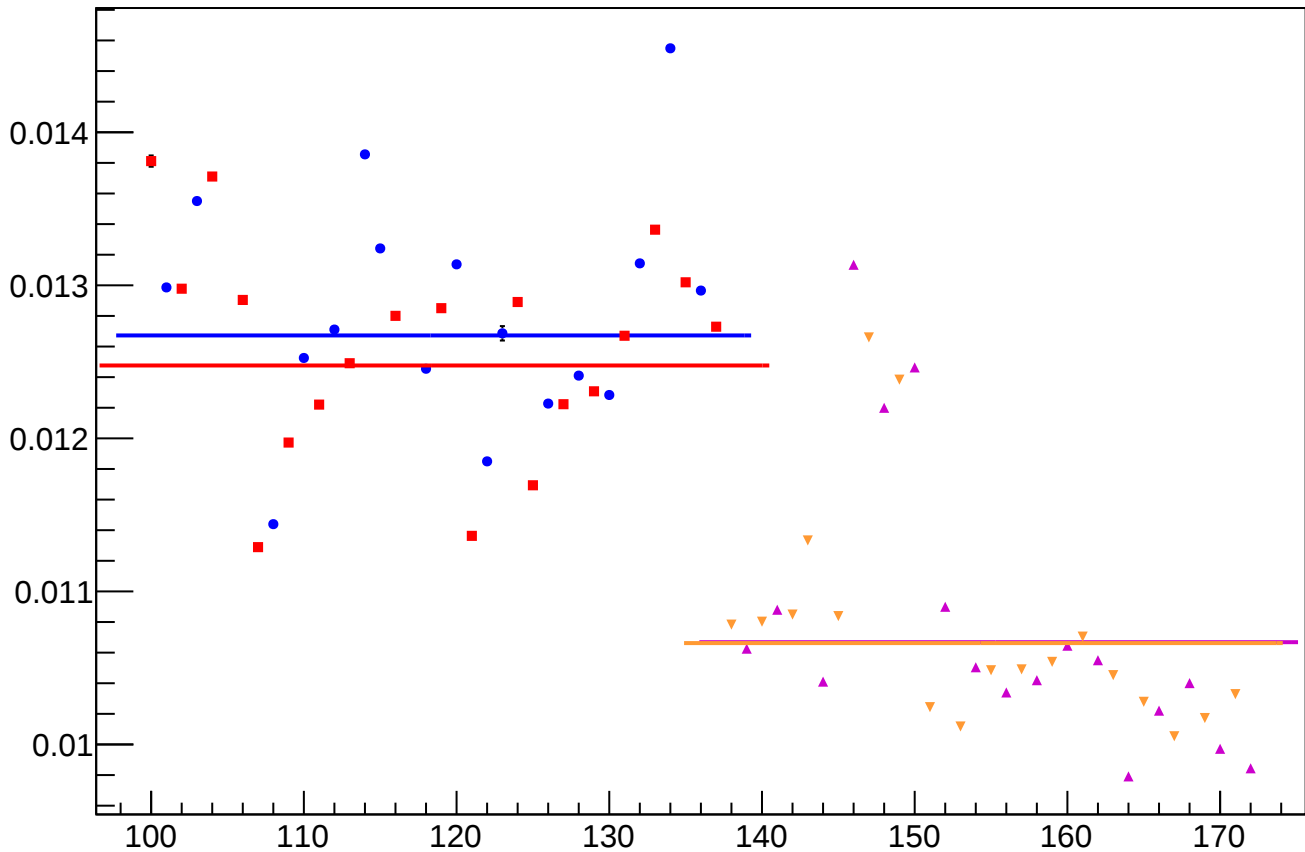
Left In: 1.706 $\pm$ 0.000 χ^2 /NDF: 2749825619.7/16

+ sign 1.731 $\pm$ 0.000 χ^2 /NDF: 8551073964.0/34

All: 1.713 $\pm$ 0.000 χ^2 /NDF: 17408419086.6/71

- sign 1.694 $\pm$ 0.000 χ^2 /NDF: 8749768838.1/35

yield_bpm0i02aX_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 31801.3/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:90986.7/17

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 39134.8/18

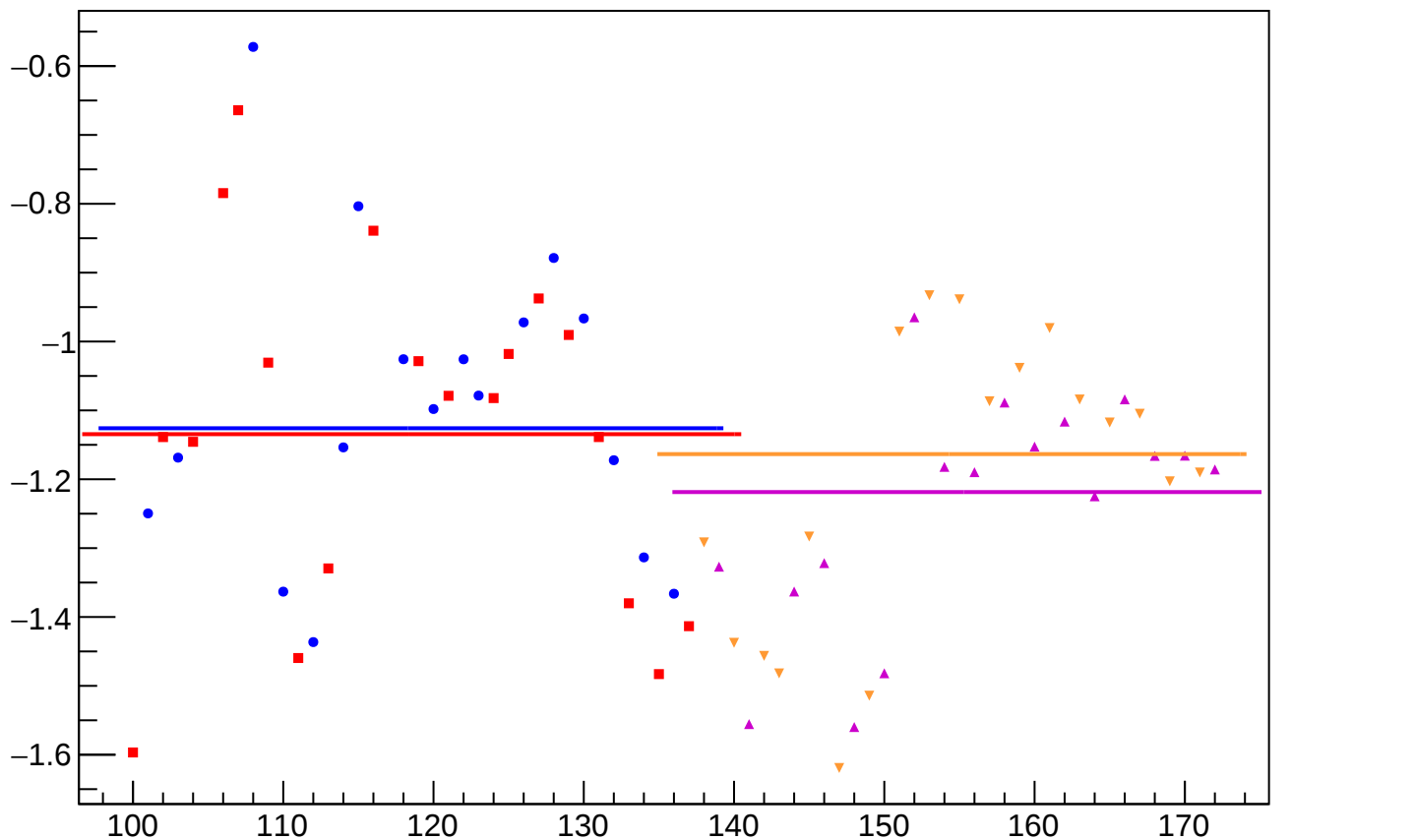
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:139948.3/16

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 365159.8/34

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 750527.8/70

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 385353.3/35

yield_bpm0i02aY_mean vs Slug



Right In: -1.126+/-0.000 χ^2/NDF : 3574776639.2/16

Left Out: -1.163+/-0.000 χ^2/NDF : 7124013915.8/17

Right Out: -1.135+/-0.000 χ^2/NDF : 3677461023.4/18

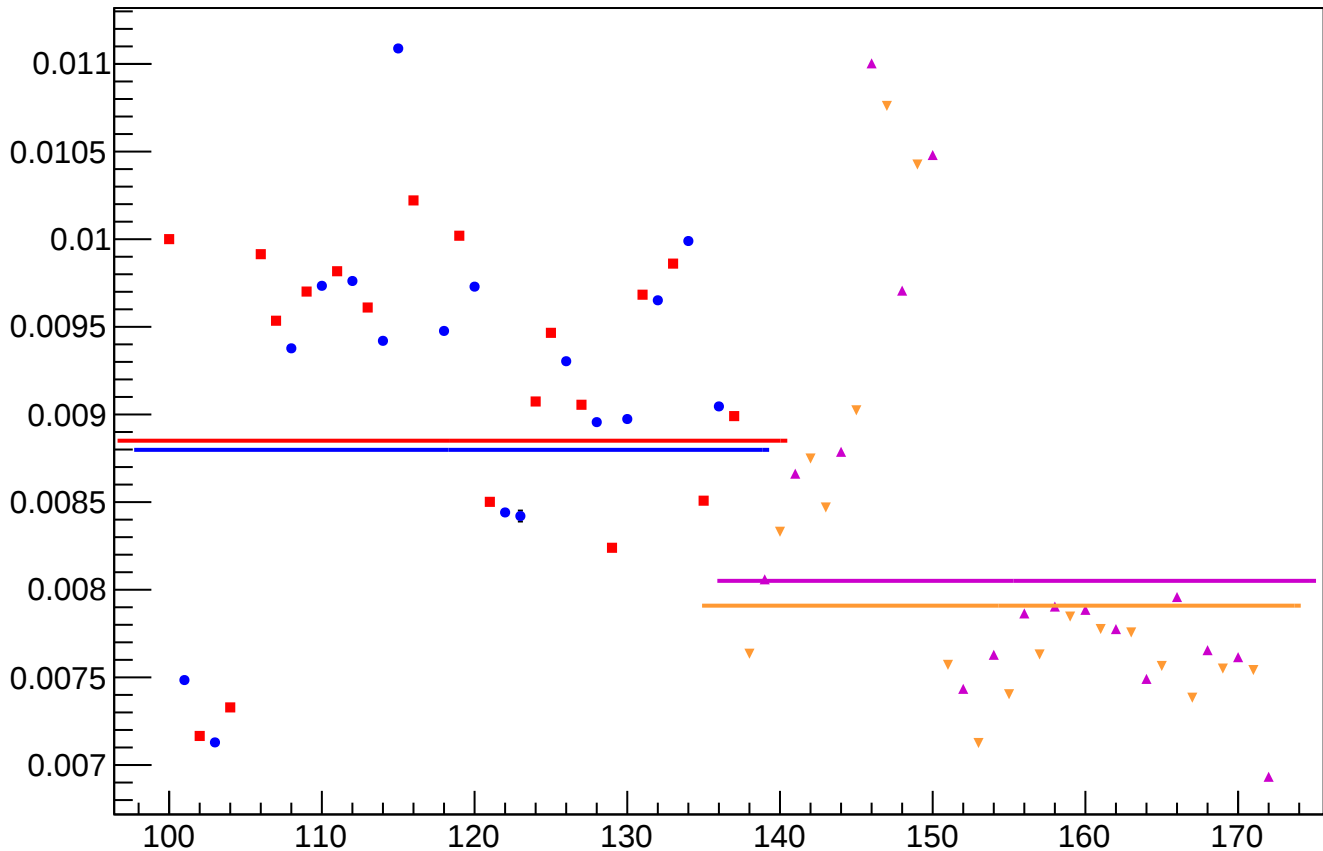
Left In: -1.219+/-0.000 χ^2/NDF : 4519322918.1/16

+ sign -1.152+/-0.000 χ^2/NDF : 10780571562.0/34

All: -1.172+/-0.000 χ^2/NDF : 19611961946.0/35

- sign -1.193+/-0.000 χ^2/NDF : 8608726793.5/35

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 151586.8/16

Left Out: 0.008+/-0.000 χ^2/NDF : 252412.3/17

Right Out: 0.009+/-0.000 χ^2/NDF : 173958.0/18

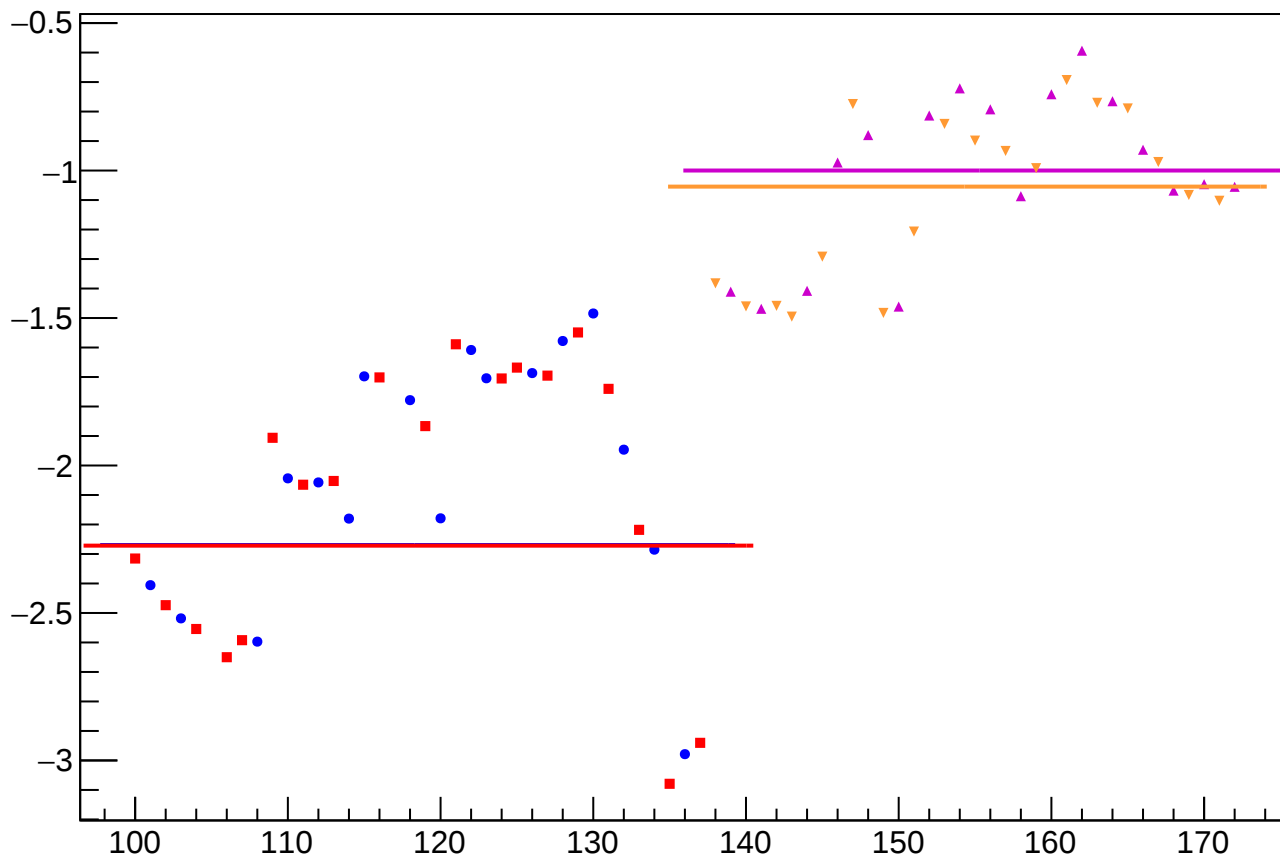
Left In: 0.008+/-0.000 χ^2/NDF : 298071.7/16

+ sign 0.008+/-0.000 χ^2/NDF : 495872.7/34

All: 0.008+/-0.000 χ^2/NDF : 1046955.8/70

- sign 0.008+/-0.000 χ^2/NDF : 546596.4/35

yield_bpm0i05X_mean vs Slug



Right In: -2.270+/-0.000 χ^2/NDF : 17408567065.9/16

Left Out: -1.054+/-0.000 χ^2/NDF : 17611071746.6/17

Right Out: -2.272+/-0.000 χ^2/NDF : 19009331715.4/18

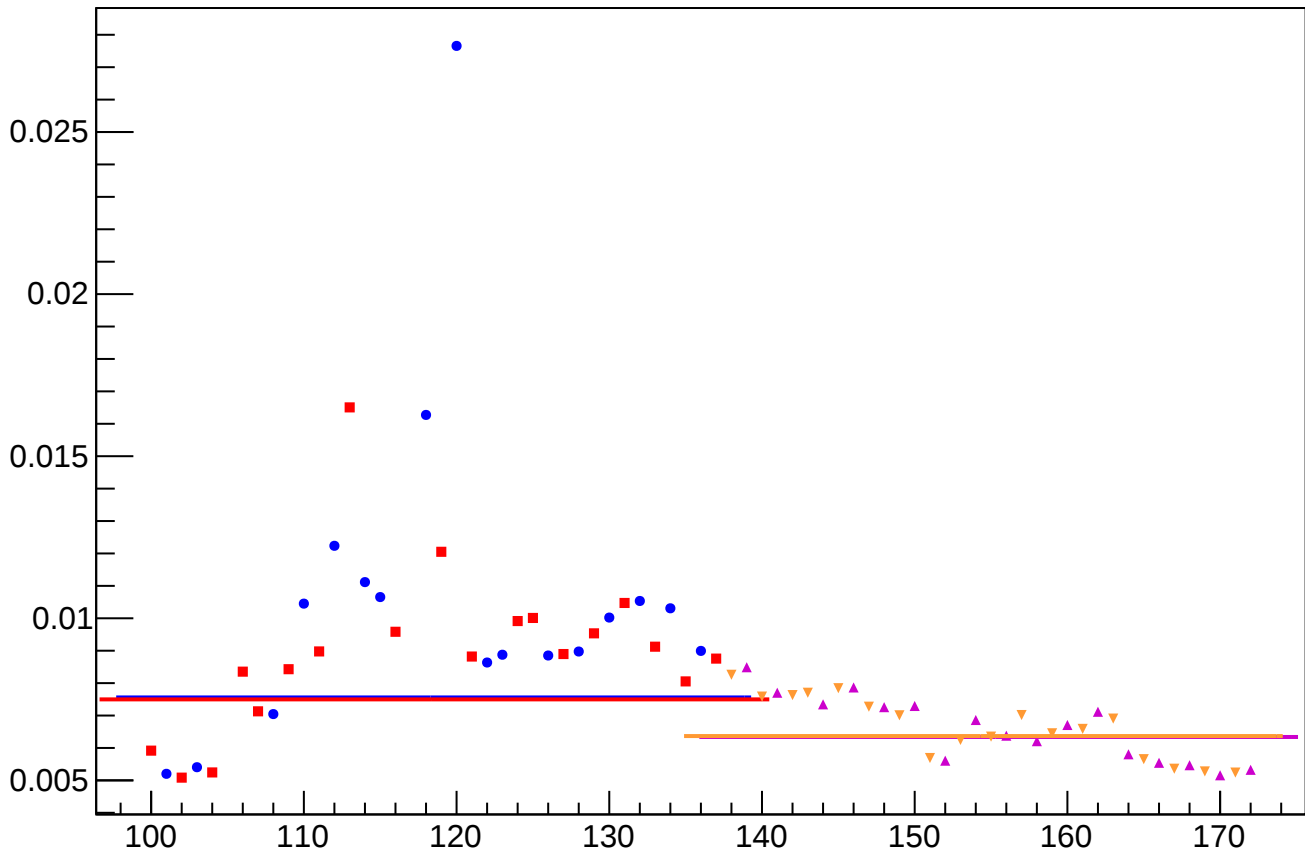
Left In: -1.000+/-0.000 χ^2/NDF : 18092168443.4/16

+ sign -1.331+/-0.000 χ^2/NDF : 135495616594.2/34

All: -1.324+/-0.000 χ^2/NDF : 293526326122.2

- sign -1.317+/-0.000 χ^2/NDF : 157991587992.3/35

yield_bpm0i05X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1221004.0/16

Left Out: 0.006+/-0.000 χ^2/NDF :497535.1/17

Right Out: 0.007+/-0.000 χ^2/NDF : 933998.1/18

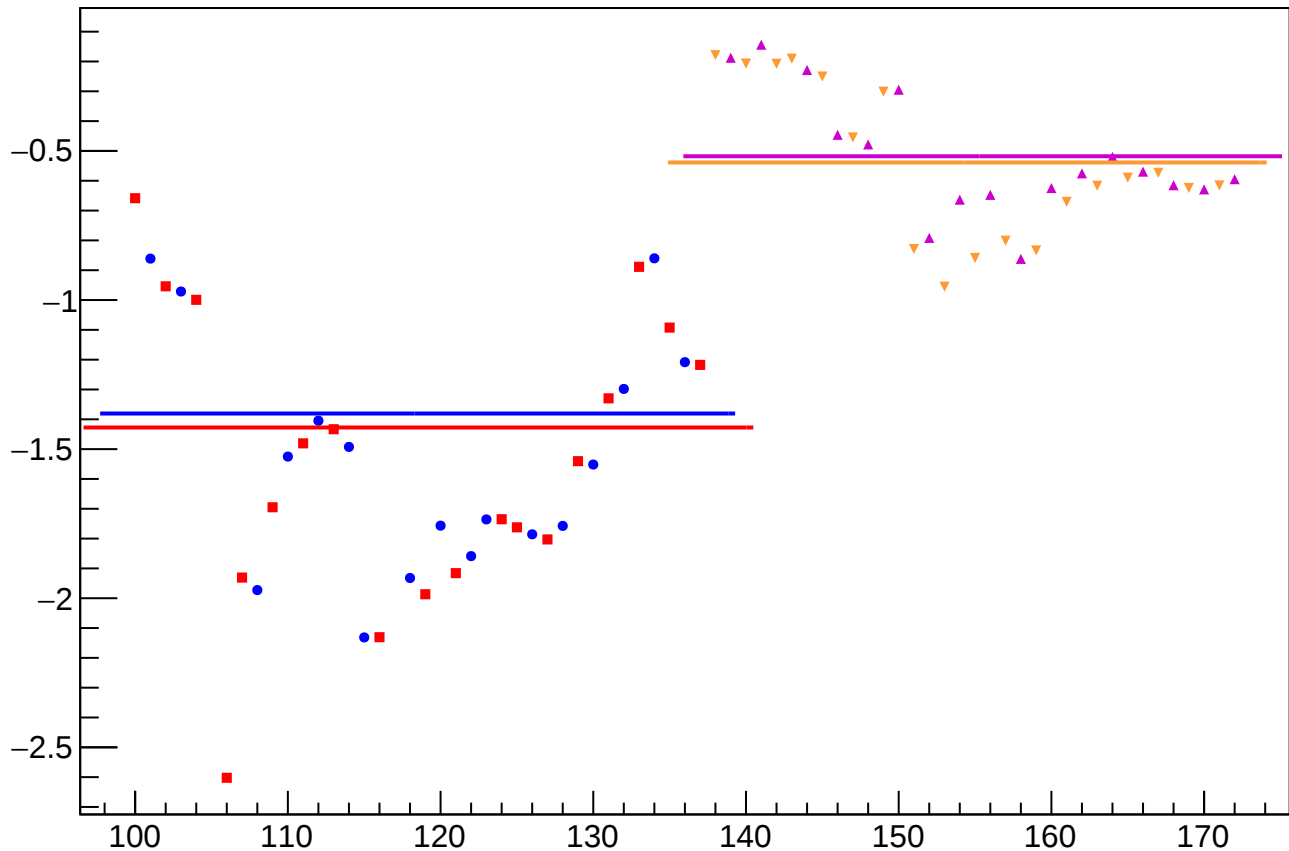
Left In: 0.006+/-0.000 χ^2/NDF :528949.3/16

+ sign 0.007+/-0.000 χ^2/NDF : 1911627.9/34

All: 0.007+/-0.000 χ^2/NDF : 3575717.5/70

- sign 0.007+/-0.000 χ^2/NDF : 1664048.1/35

yield_bpm0i05Y_mean vs Slug



Right In: -1.381+/-0.000 χ^2/NDF : 20001018652.5/16

Left Out: -0.539+/-0.000 χ^2/NDF : 45312322362.3/17

Right Out: -1.427+/-0.000 χ^2/NDF : 29616178528.0/18

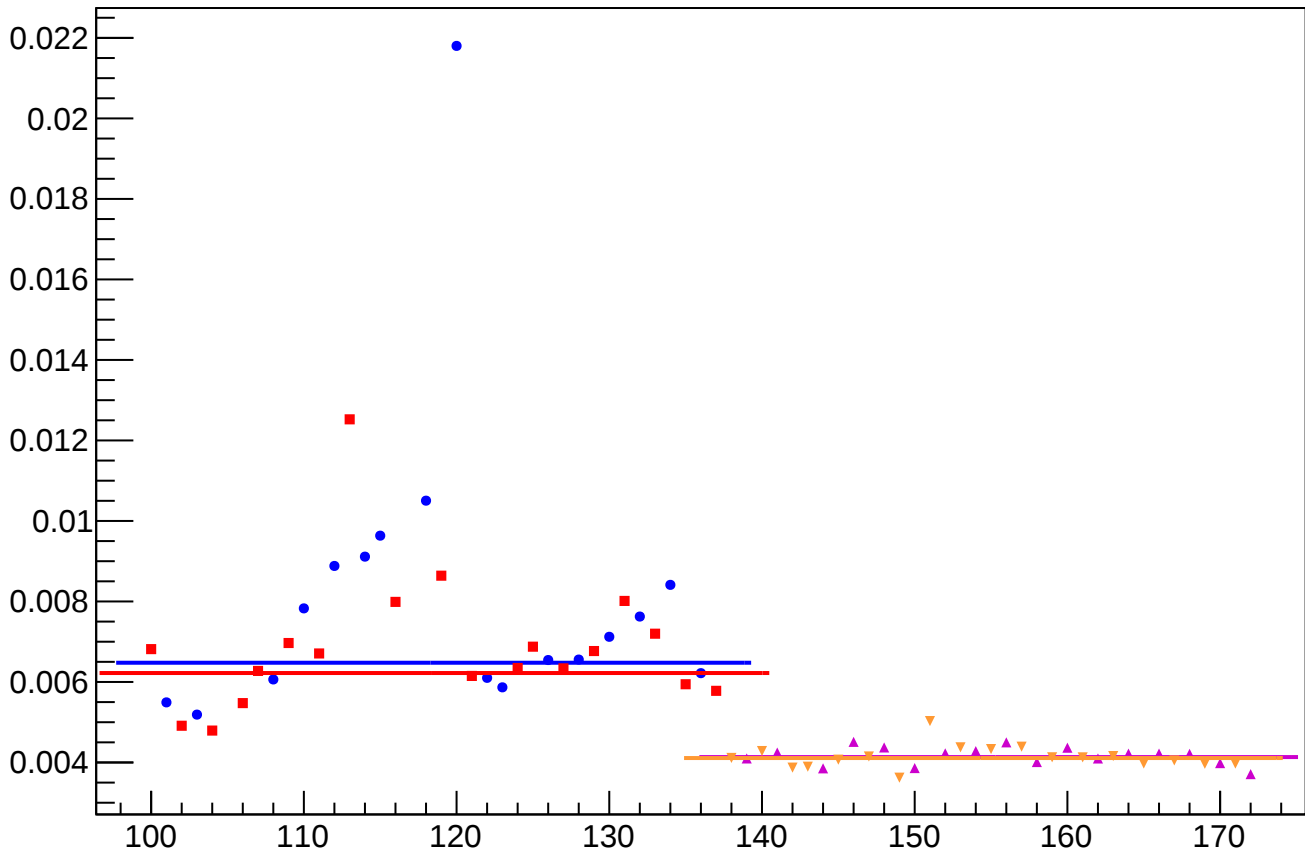
Left In: -0.518+/-0.000 χ^2/NDF : 29835665546.3/16

+ sign -0.667+/-0.000 χ^2/NDF : 143309173871.4/34

All: -0.673+/-0.000 χ^2/NDF : 306221627832.9

- sign -0.679+/-0.000 χ^2/NDF : 162849480831.2/35

yield_bpm0i05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 572678.4/16

Left Out: 0.004+/-0.000 χ^2/NDF : 94288.7/17

Right Out: 0.006+/-0.000 χ^2/NDF : 423437.1/18

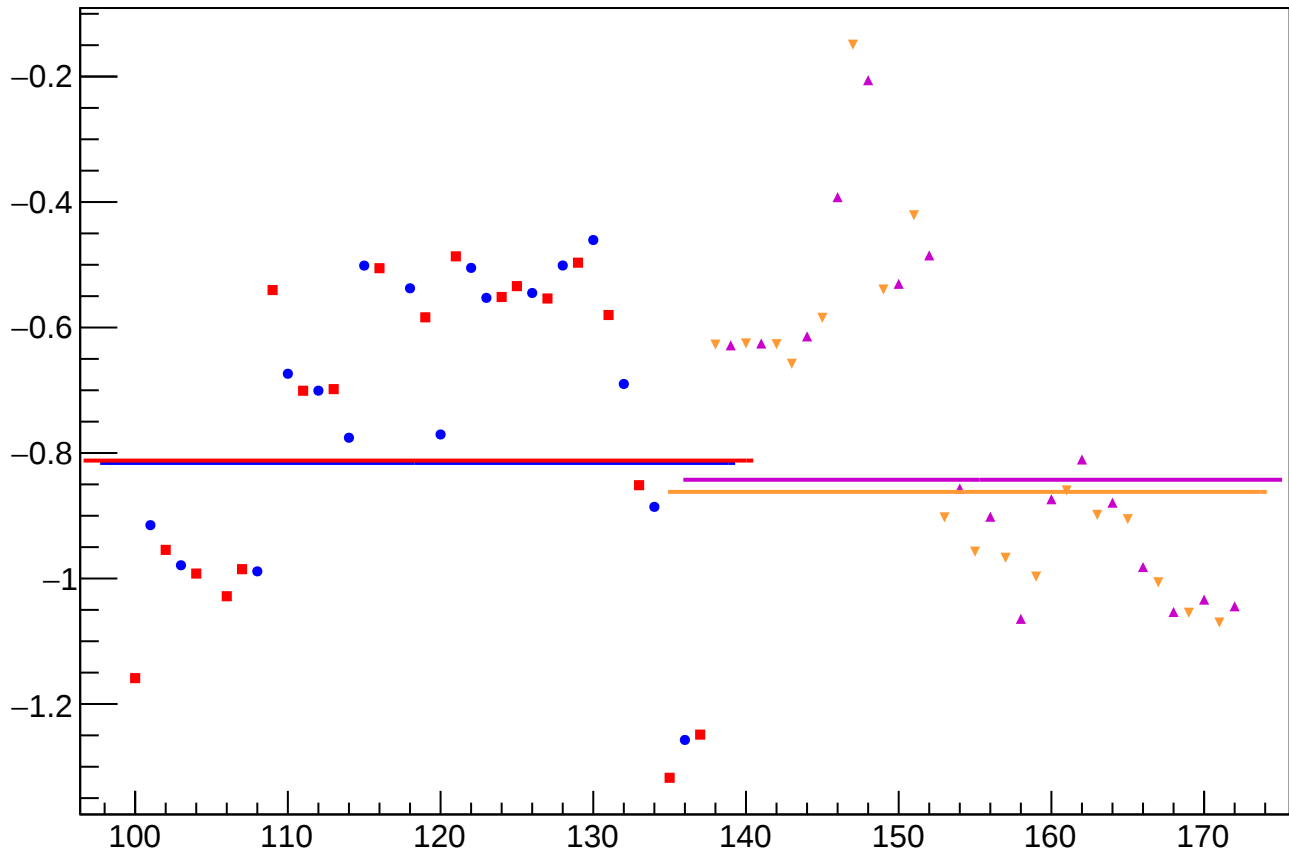
Left In: 0.004+/-0.000 χ^2/NDF : 69544.6/16

+ sign 0.004+/-0.000 χ^2/NDF : 1900667.8/34

All: 0.004+/-0.000 χ^2/NDF : 3484032.2/70

- sign 0.005+/-0.000 χ^2/NDF : 1582399.7/35

yield_bpm0i07X_mean vs Slug



Right In: -0.816+/-0.000 χ^2/NDF : 14172884795.2/16

Left Out: -0.862+/-0.000 χ^2/NDF : 37154856623.2/17

Right Out: -0.812+/-0.000 χ^2/NDF : 16815852448.9/18

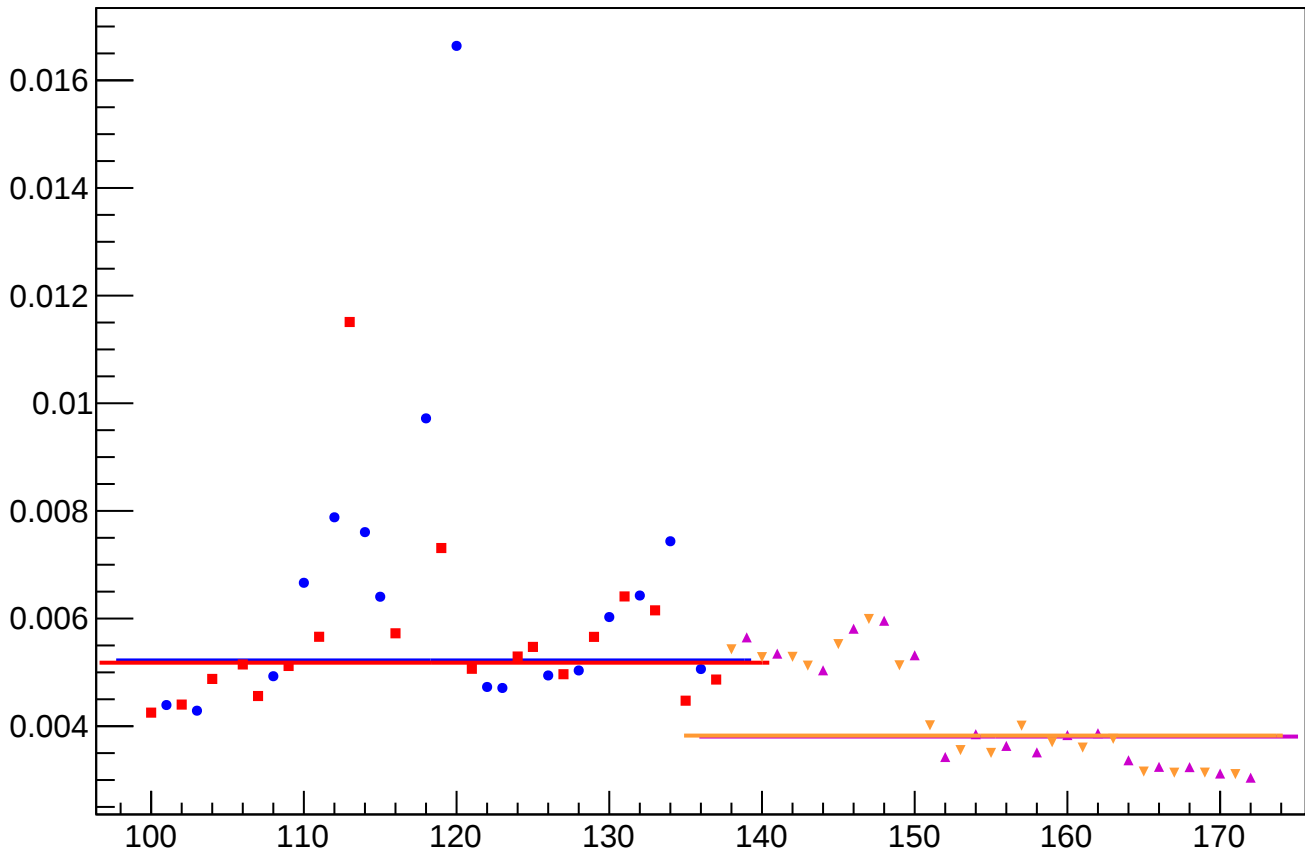
Left In: -0.843+/-0.000 χ^2/NDF : 41456338148.6/16

+ sign -0.853+/-0.000 χ^2/NDF : 51663164265.7/34

All: -0.844+/-0.000 χ^2/NDF : 110242639301.4

- sign -0.836+/-0.000 χ^2/NDF : 58434977524.9/35

yield_bpm0i07X_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 664386.8/16

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1088298.9/17

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 363781.3/18

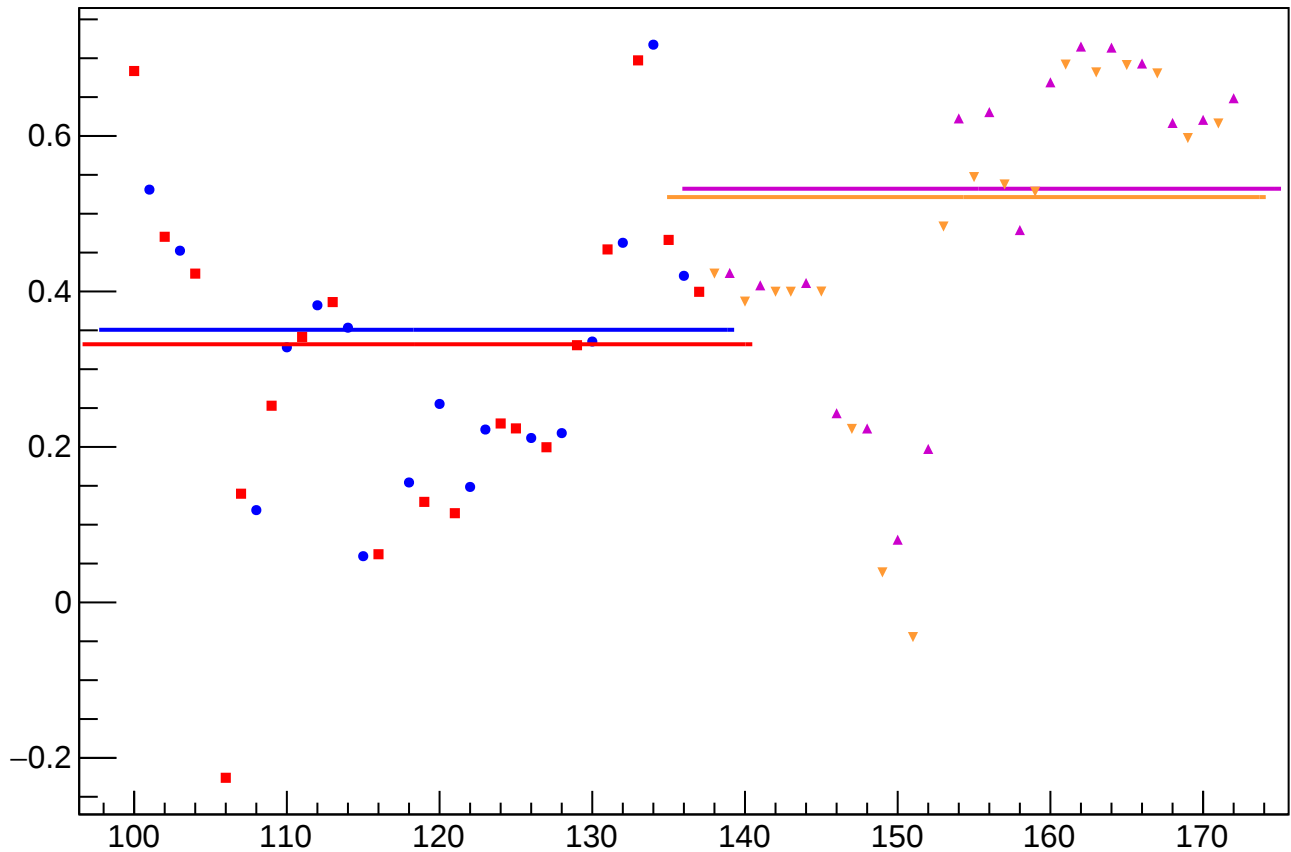
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1149973.2/16

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2367593.2/34

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4536585.7/70

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2168980.3/35

yield_bpm0i07Y_mean vs Slug



Right In: 0.351+/-0.000 χ^2/NDF : 7410859446.3/16

Left Out: 0.521+/-0.000 χ^2/NDF :38623607652.5/17

Right Out: 0.332+/-0.000 χ^2/NDF : 11796213425.9/18

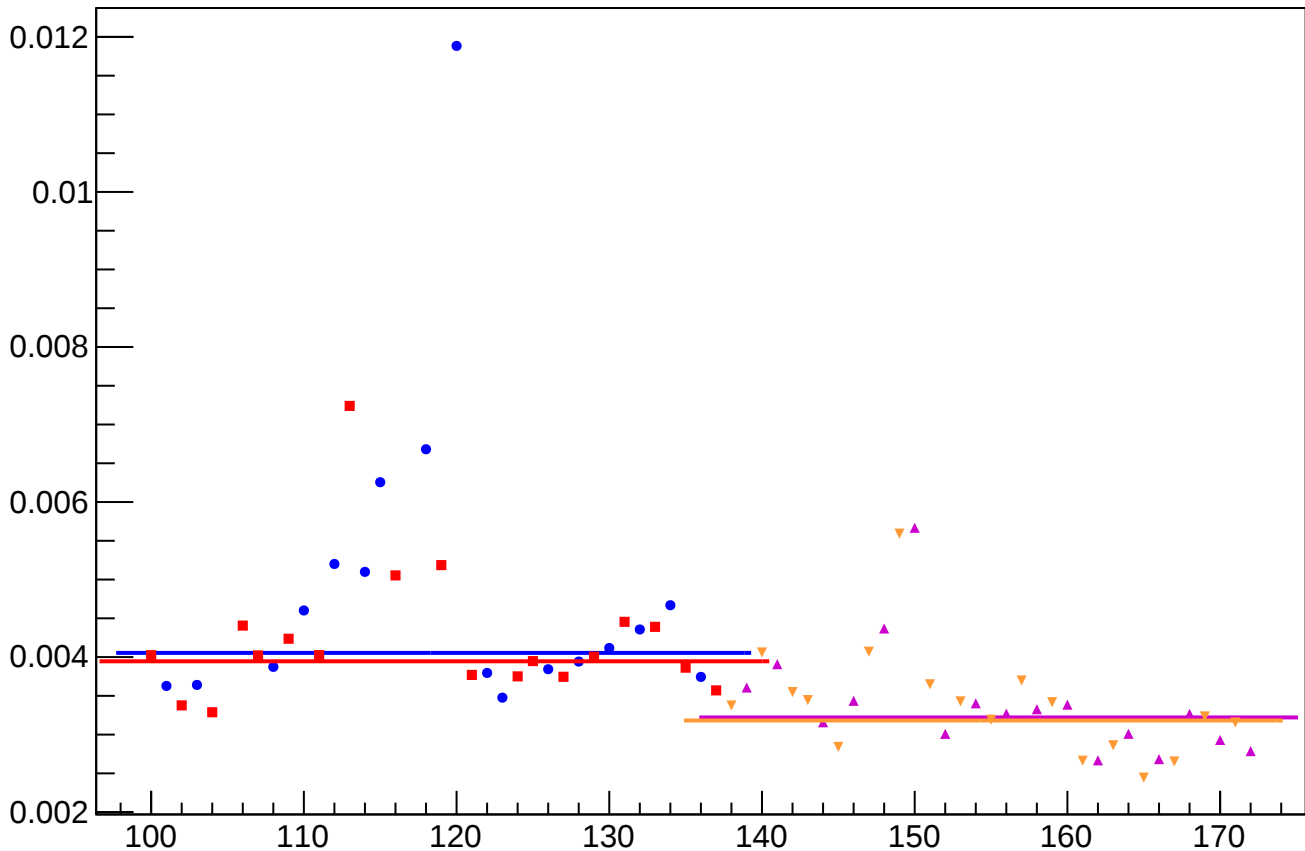
Left In: 0.532+/-0.000 χ^2/NDF :36526092103.9/16

+ sign 0.482+/-0.000 χ^2/NDF : 53783184904.8/34

All: 0.481+/-0.000 χ^2/NDF : 113738744200.7

- sign 0.480+/-0.000 χ^2/NDF : 59953461284.2/35

yield_bpm0i07Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 455318.3/16

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 708645.0/17

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 260968.0/18

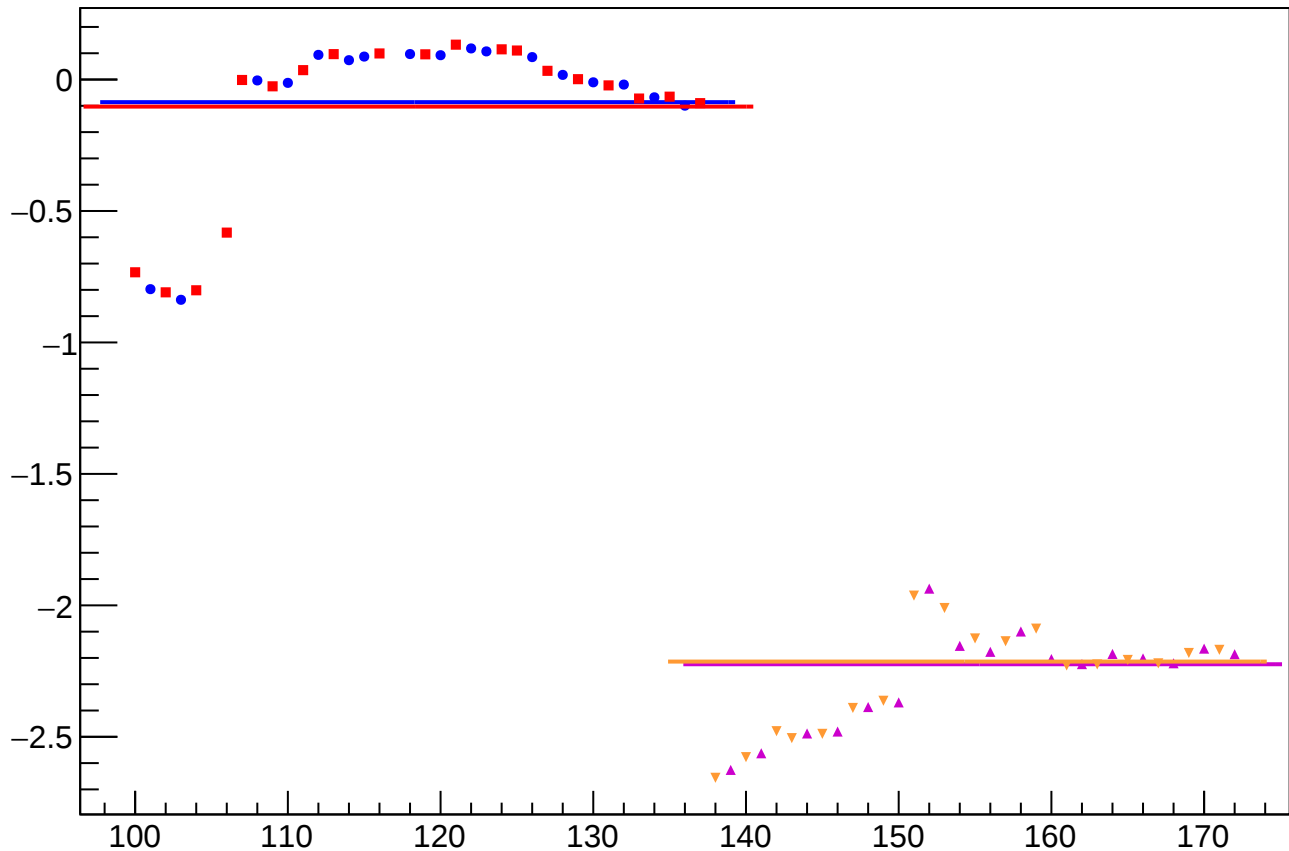
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 614054.2/16

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1568634.3/34

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2749318.6/70

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1179727.4/35

yield_bpm1i02X_mean vs Slug



Right In: -0.086+/-0.000 χ^2/NDF : 4989387592.7/16

Left Out: -2.214+/-0.000 χ^2/NDF : 3443483031.5/17

Right Out: -0.103+/-0.000 χ^2/NDF : 5553039516.7/18

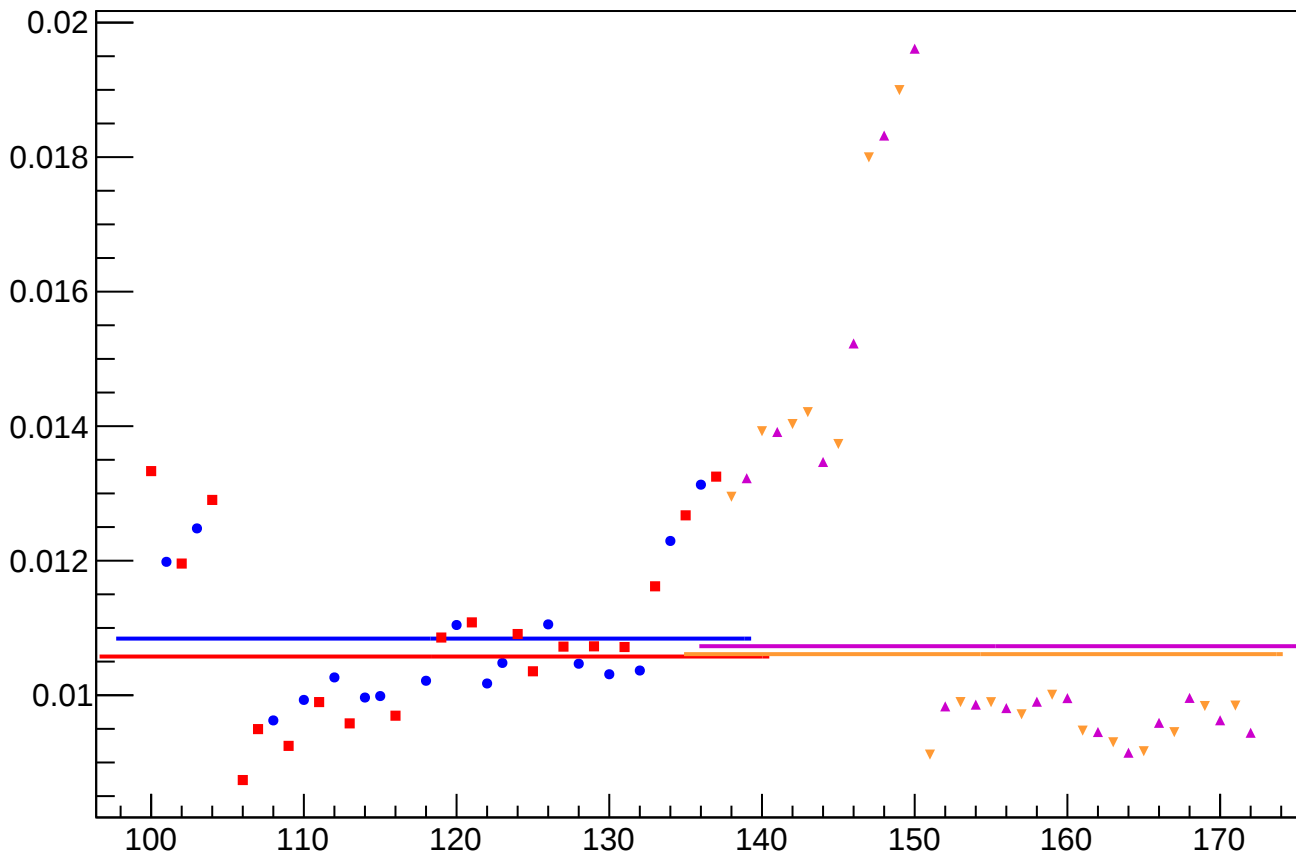
Left In: -2.224+/-0.000 χ^2/NDF : 2738948603.1/16

+ sign -1.507+/-0.000 χ^2/NDF : 179218601056.6/34

All: -1.478+/-0.000 χ^2/NDF : 366718215190.5

- sign -1.448+/-0.000 χ^2/NDF : 187198199209.6/35

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 124260.3/16

Left Out: 0.011+/-0.000 χ^2/NDF : 1125634.1/17

Right Out: 0.011+/-0.000 χ^2/NDF : 178967.4/18

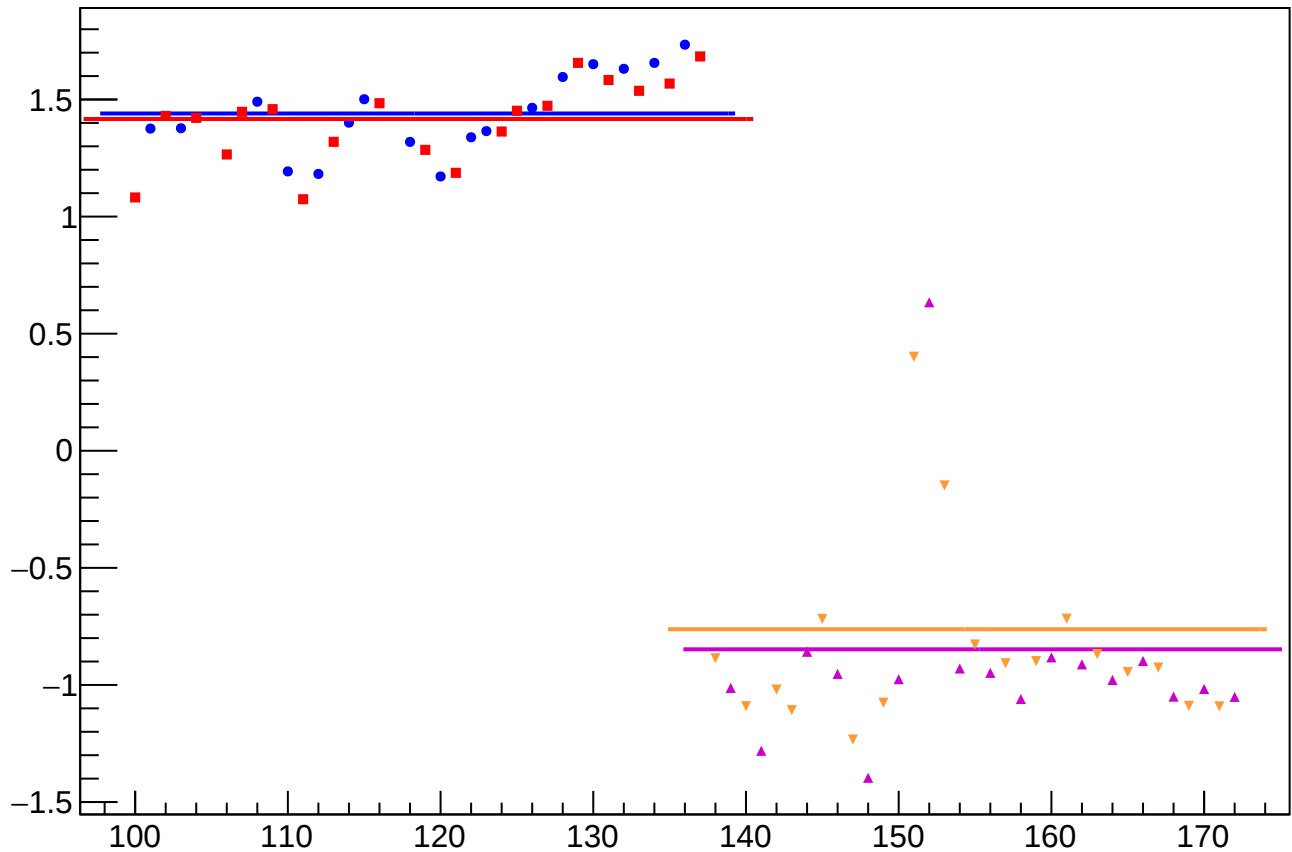
Left In: 0.011+/-0.000 χ^2/NDF : 1173488.4/16

+ sign 0.011+/-0.000 χ^2/NDF : 1253922.5/34

All: 0.011+/-0.000 χ^2/NDF : 2608294.7/70

- sign 0.011+/-0.000 χ^2/NDF : 1354334.8/35

yield_bpm1i02Y_mean vs Slug



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3449252780.8/16

Left Out: -0.762 $\pm$ 0.000 χ^2 /NDF: 33813498407.8/17

Right Out: 1.417 $\pm$ 0.000 χ^2 /NDF: 2674064512.3/18

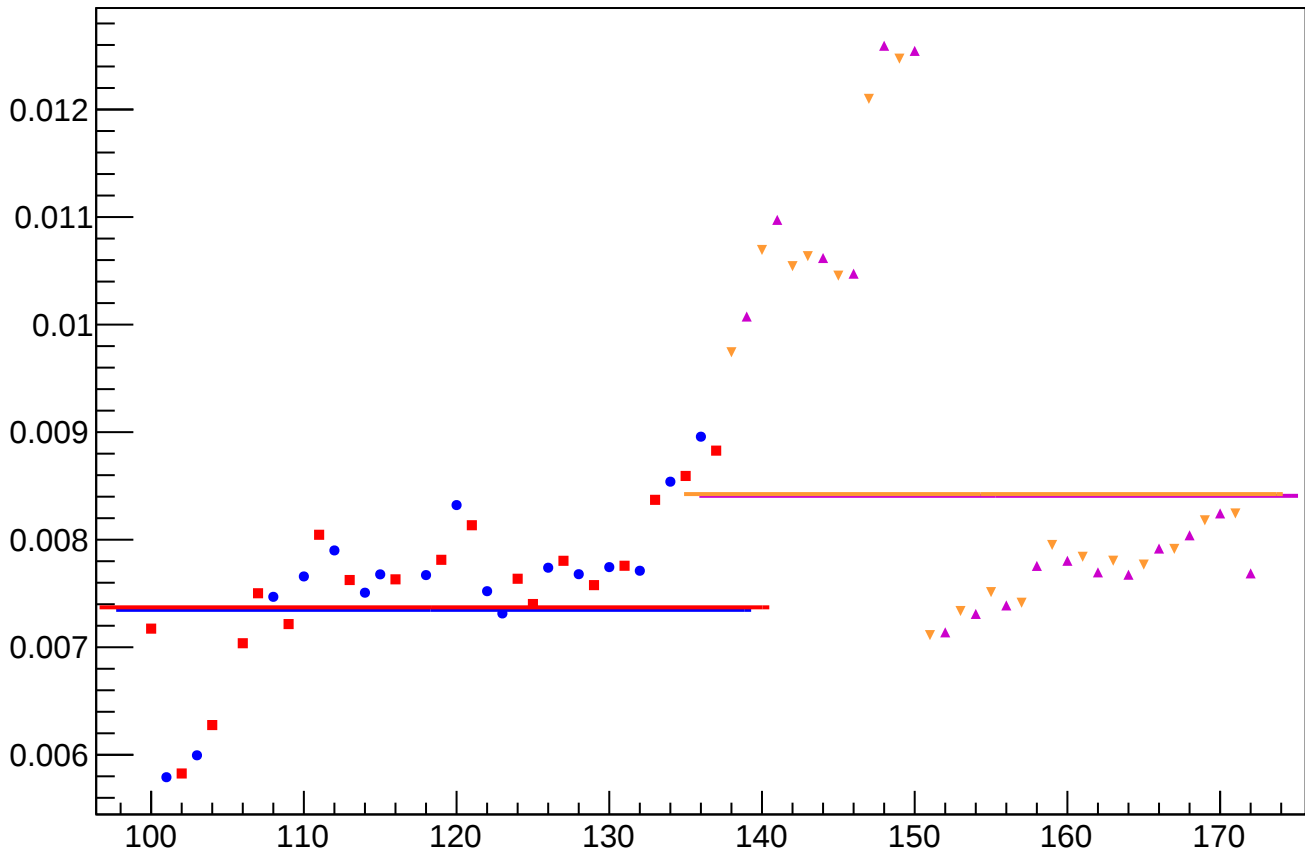
Left In: -0.848 $\pm$ 0.000 χ^2 /NDF: 41263041722.3/16

+ sign 0.119 $\pm$ 0.000 χ^2 /NDF: 392426341937.9/34

All: 0.109 $\pm$ 0.000 χ^2 /NDF: 821832607646.4

- sign 0.099 $\pm$ 0.000 χ^2 /NDF: 429344630220.9/35

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 228163.6/16

Left Out: 0.008+/-0.000 χ^2/NDF : 741357.2/17

Right Out: 0.007+/-0.000 χ^2/NDF : 172689.5/18

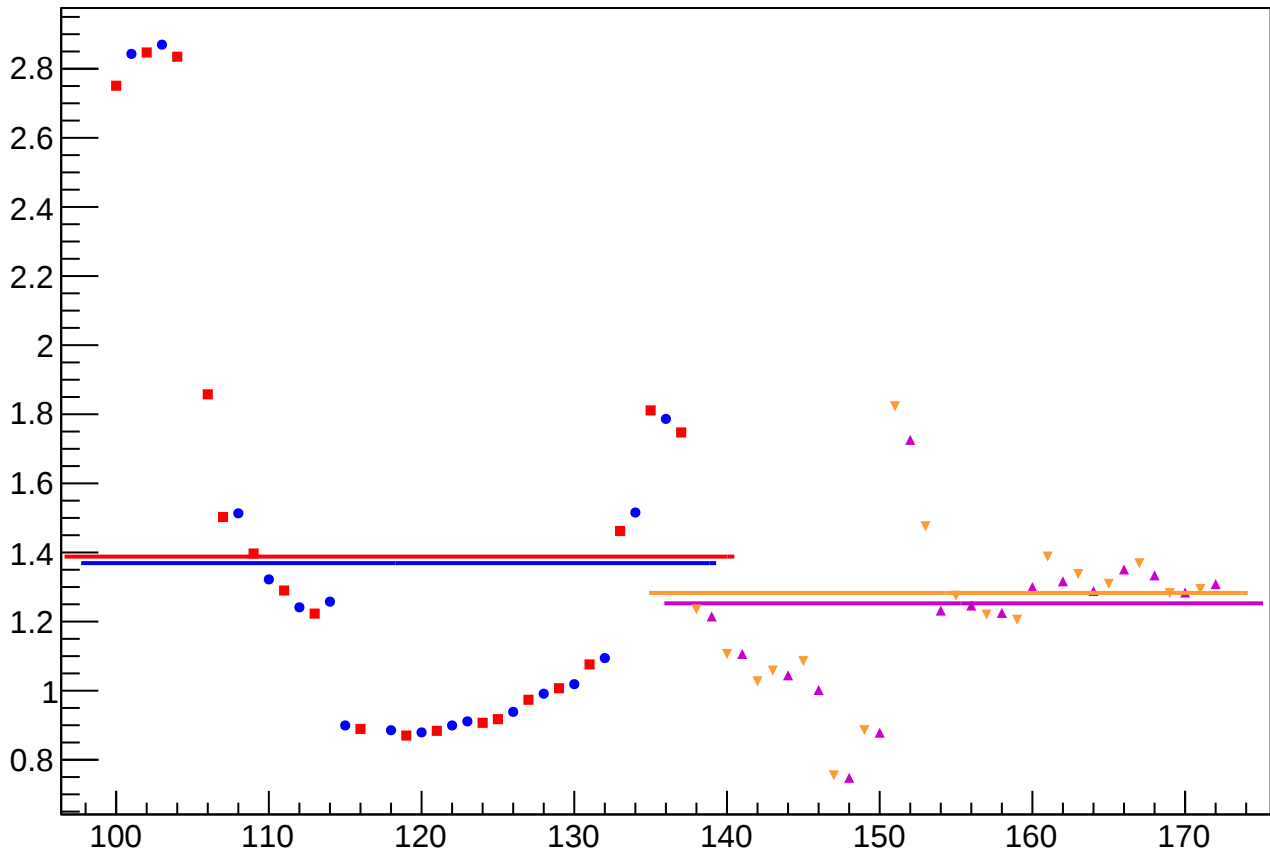
Left In: 0.008+/-0.000 χ^2/NDF : 816255.6/16

+ sign 0.008+/-0.000 χ^2/NDF : 1139180.6/34

All: 0.008+/-0.000 χ^2/NDF : 2289804.8/70

- sign 0.008+/-0.000 χ^2/NDF : 1150513.1/35

yield_bpm1i04X_mean vs Slug



Right In: 1.369 ± 0.000 χ^2/NDF : 54205395389.8/16

Left Out: 1.283 ± 0.000 χ^2/NDF : 9116632402.4/17

Right Out: 1.388 ± 0.000 χ^2/NDF : 49900245868.0/18

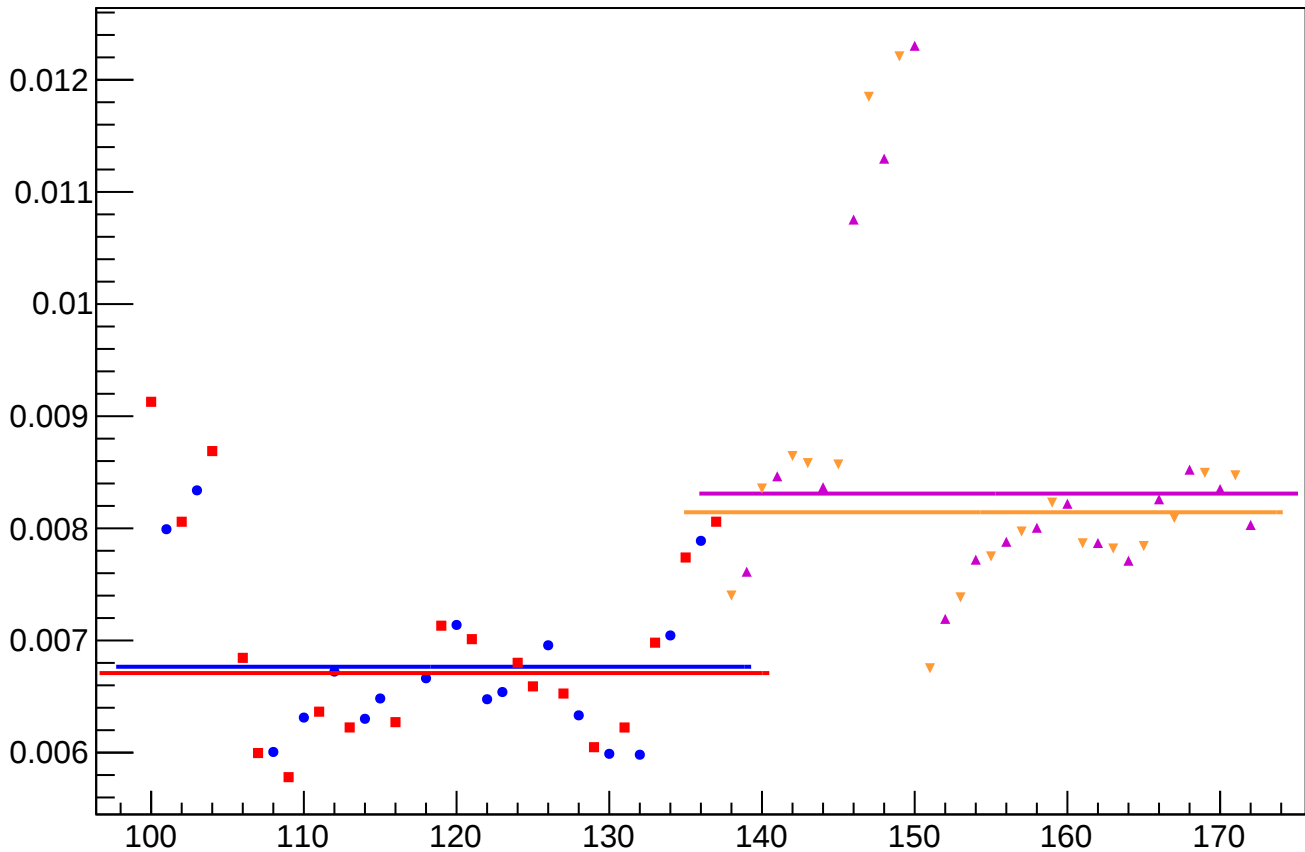
Left In: 1.253 ± 0.000 χ^2/NDF : 7283931556.8/16

+ sign 1.320 ± 0.000 χ^2/NDF : 63936760890.3/34

All: 1.317 ± 0.000 χ^2/NDF : 122663516180.2

- sign 1.315 ± 0.000 χ^2/NDF : 58722615888.9/35

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 159554.9/16

Left Out: 0.008+/-0.000 χ^2/NDF : 416780.1/17

Right Out: 0.007+/-0.000 χ^2/NDF : 187826.7/18

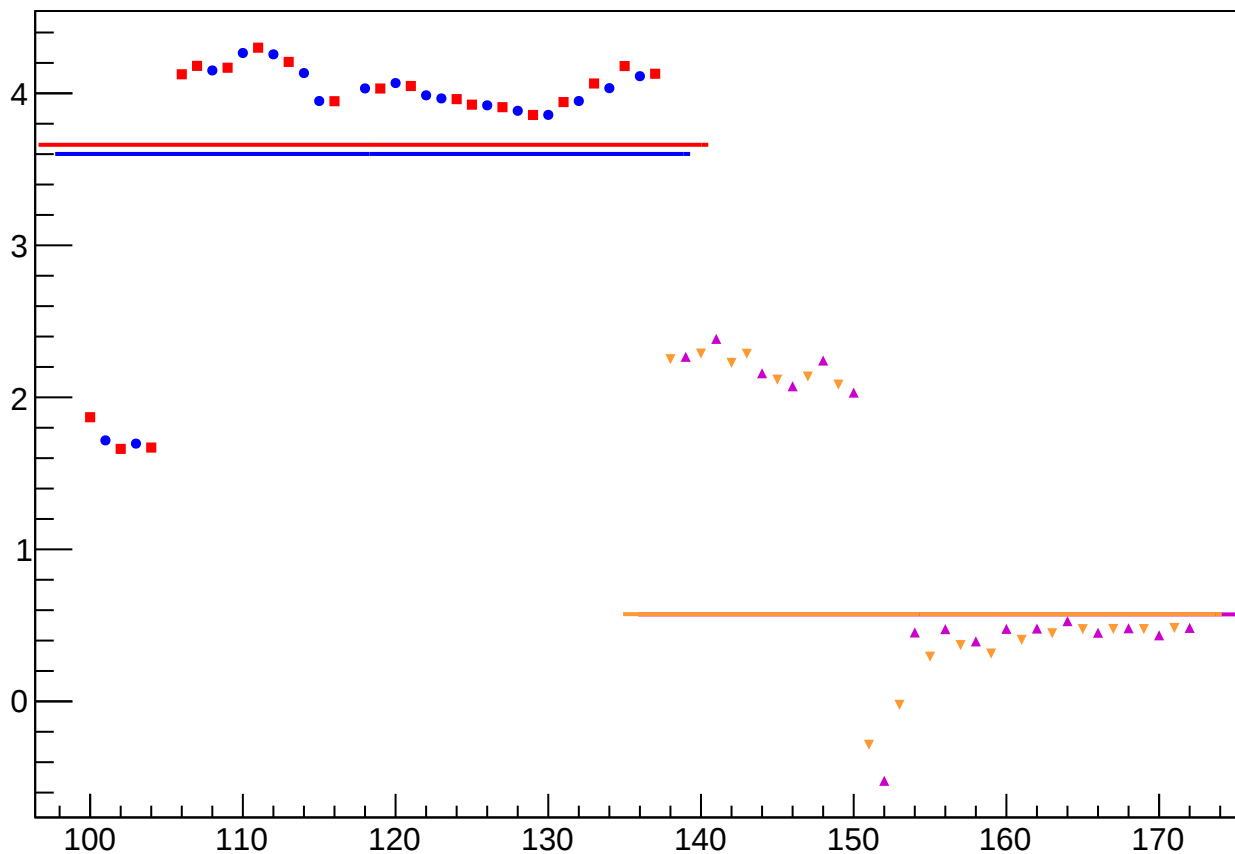
Left In: 0.008+/-0.000 χ^2/NDF : 430712.7/16

+ sign 0.008+/-0.000 χ^2/NDF : 890296.8/34

All: 0.008+/-0.000 χ^2/NDF : 1939853.8/70

- sign 0.008+/-0.000 χ^2/NDF : 1049411.7/35

yield_bpm1i04Y_mean vs Slug



Right In: 3.601 $\pm$ 0.000 χ^2 /NDF: 185806937655.3/16

Left Out: 0.574 $\pm$ 0.000 χ^2 /NDF: 257944665883.3/17

Right Out: 3.661 $\pm$ 0.000 χ^2 /NDF: 192519897222.5/18

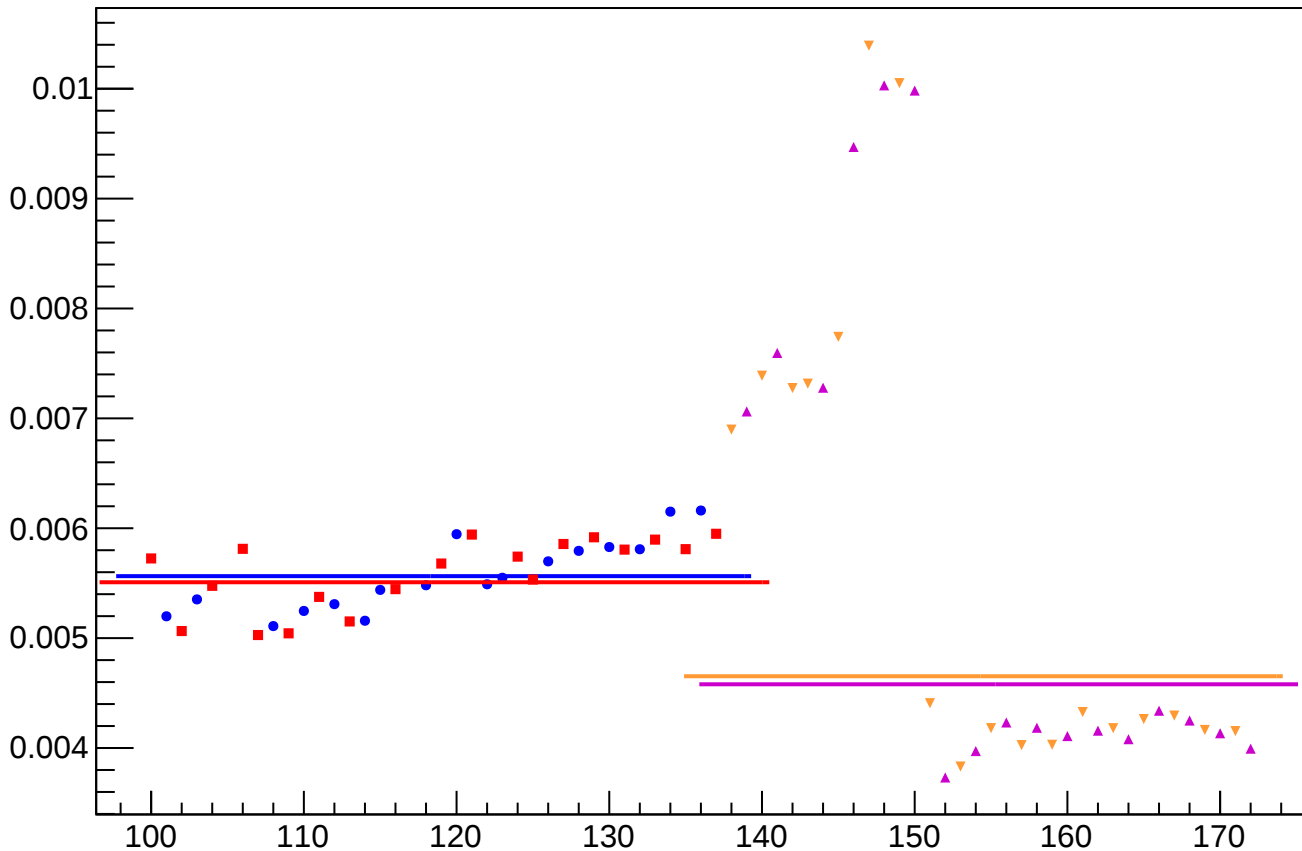
Left In: 0.572 $\pm$ 0.000 χ^2 /NDF: 254927167234.2/16

+ sign 1.429 $\pm$ 0.000 χ^2 /NDF: 1863316735642.0/34

All: 1.453 $\pm$ 0.000 χ^2 /NDF: 3859039753178.

- sign 1.476 $\pm$ 0.000 χ^2 /NDF: 1994872046998.8/35

yield_bpm1i04Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 47588.2/16

Left Out: 0.005+/-0.000 χ^2/NDF :1967984.0/17

Right Out: 0.006+/-0.000 χ^2/NDF : 52634.8/18

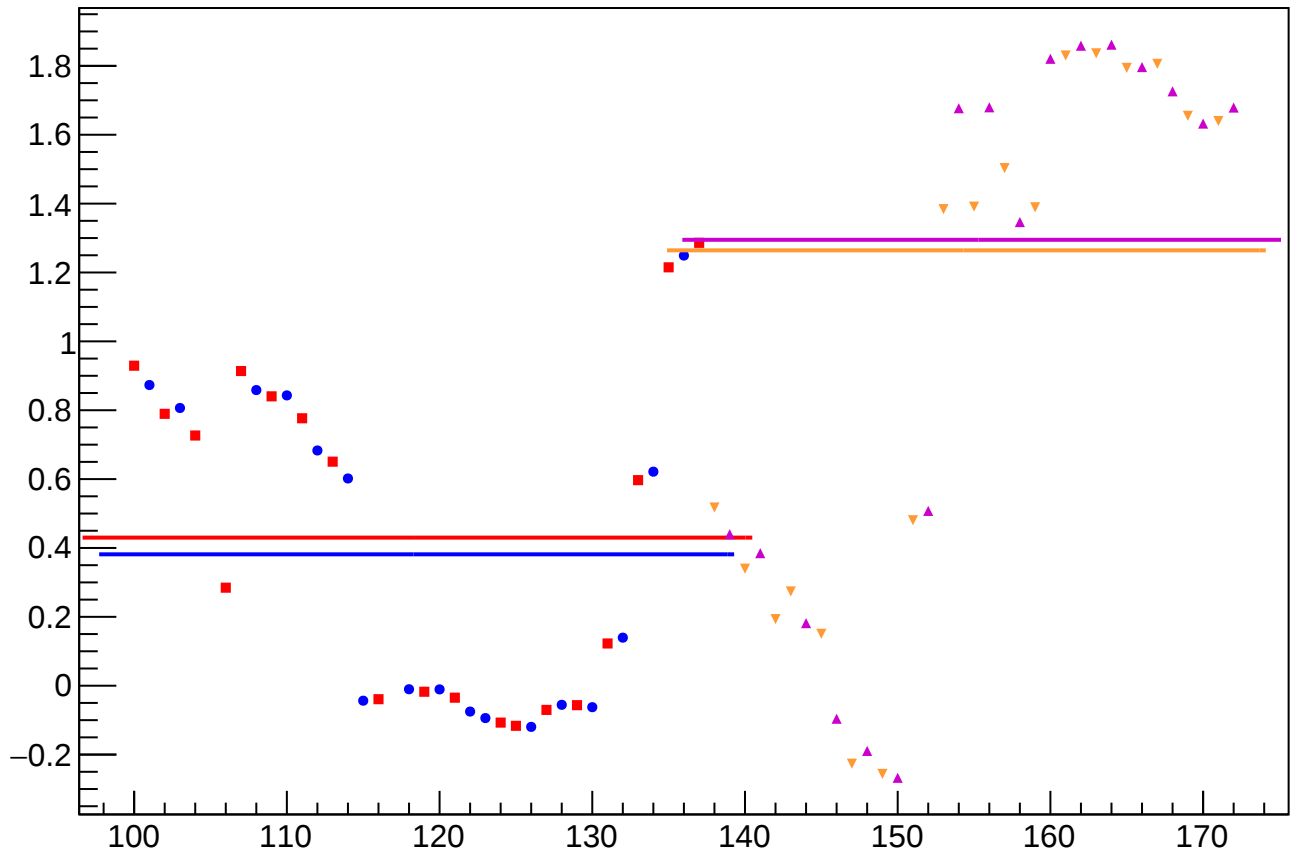
Left In: 0.005+/-0.000 χ^2/NDF :2177739.8/16

+ sign 0.005+/-0.000 χ^2/NDF : 2272643.8/34

All: 0.005+/-0.000 χ^2/NDF : 4785321.0/70

- sign 0.005+/-0.000 χ^2/NDF : 2509995.3/35

yield_bpm1i06X_mean vs Slug



Right In: 0.382 $\pm$ 0.000 χ^2 /NDF: 7124759123.1/16

Left Out: 1.264 $\pm$ 0.000 χ^2 /NDF: 40430094974.5/17

Right Out: 0.430 $\pm$ 0.000 χ^2 /NDF: 6676199135.9/18

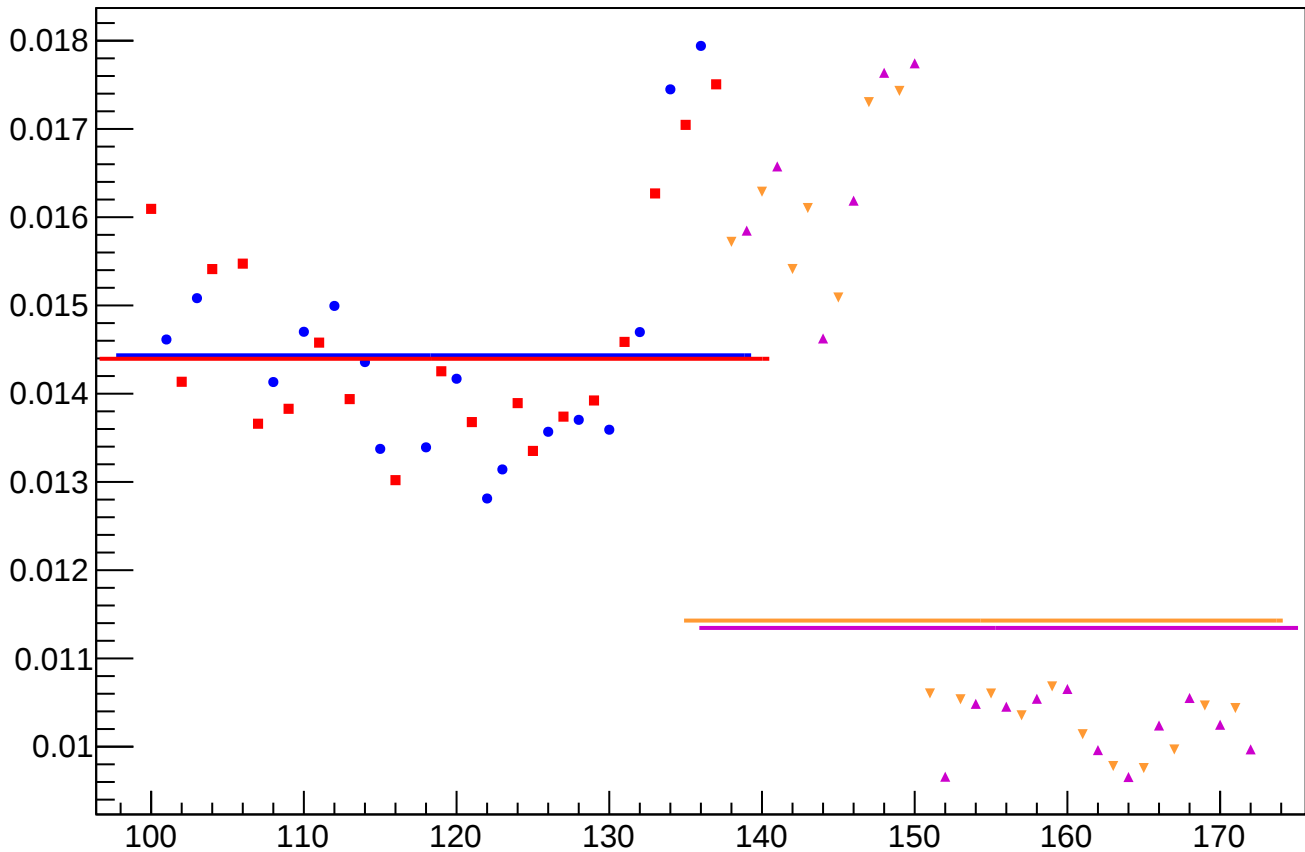
Left In: 1.295 $\pm$ 0.000 χ^2 /NDF: 46061657167.5/16

+ sign 1.047 $\pm$ 0.000 χ^2 /NDF: 66229328127.4/34

All: 1.060 $\pm$ 0.000 χ^2 /NDF: 137632246642.2

- sign 1.073 $\pm$ 0.000 χ^2 /NDF: 71360130334.0/35

yield_bpm1i06X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 110224.4/16

Left Out: 0.011+/-0.000 χ^2/NDF :1085658.2/17

Right Out: 0.014+/-0.000 χ^2/NDF : 74531.6/18

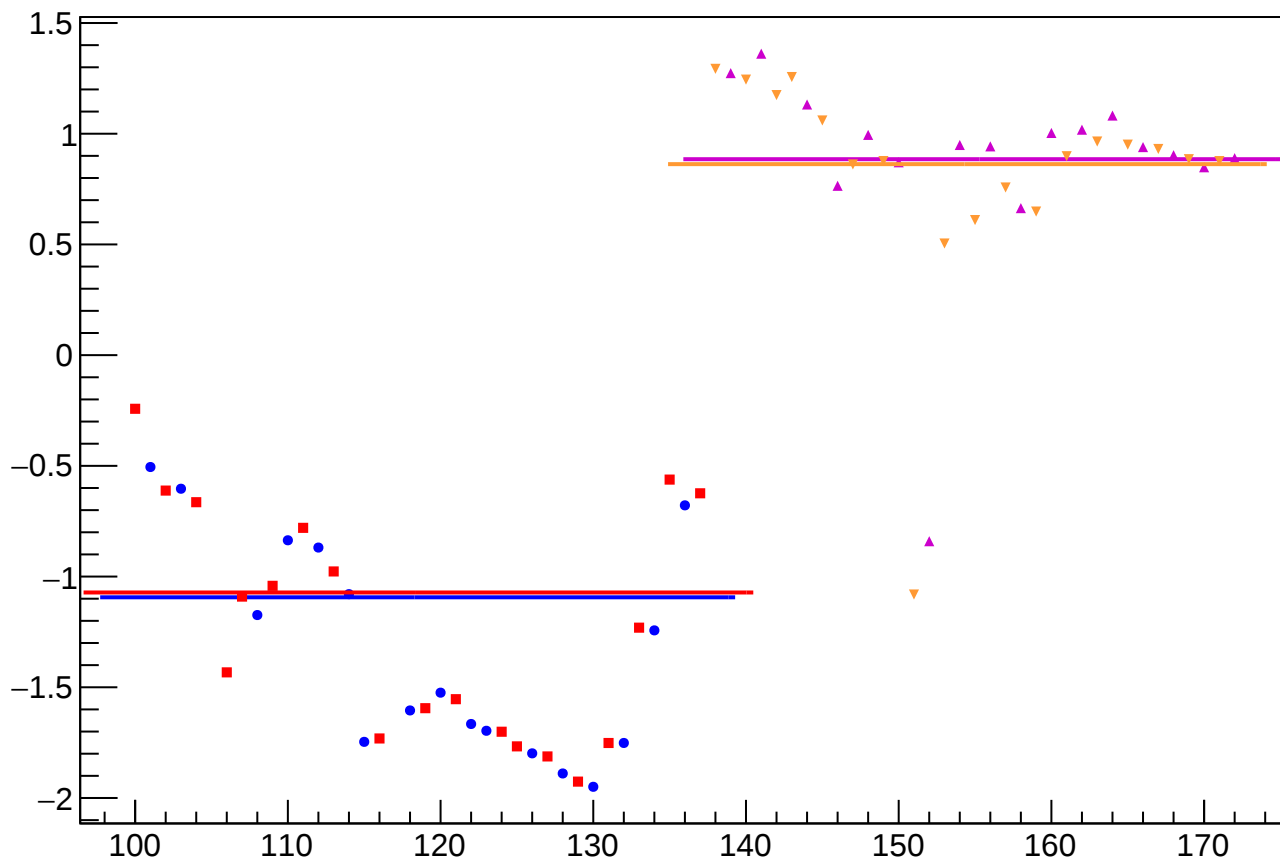
Left In: 0.011+/-0.000 χ^2/NDF :1147681.7/16

+ sign 0.012+/-0.000 χ^2/NDF : 1628926.8/34

All: 0.012+/-0.000 χ^2/NDF : 3314609.3/70

- sign 0.012+/-0.000 χ^2/NDF : 1685477.3/35

yield_bpm1i06Y_mean vs Slug



Right In: -1.094+/-0.000 χ^2/NDF : 55960104370.4/16

Left Out: 0.863+/-0.000 χ^2/NDF : 124811802503.4/17

Right Out: -1.072+/-0.000 χ^2/NDF : 46896017480.0/18

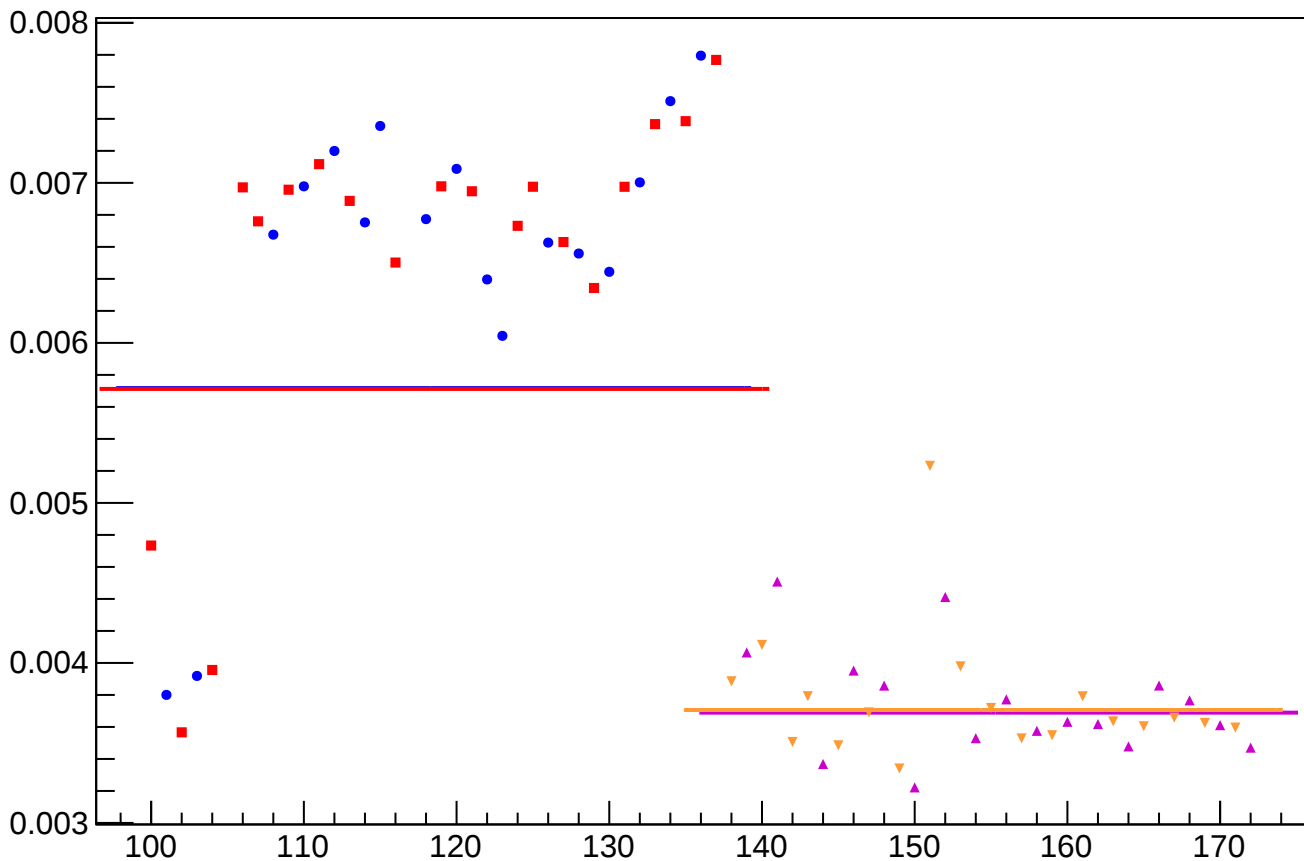
Left In: 0.885+/-0.000 χ^2/NDF : 145802825569.4/16

+ sign 0.529+/-0.000 χ^2/NDF : 757312581615.3/34

All: 0.533+/-0.000 χ^2/NDF : 1544504103146.

- sign 0.537+/-0.000 χ^2/NDF : 787158036715.7/35

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 837775.0/16

Left Out: 0.004+/-0.000 χ^2/NDF : 163770.6/17

Right Out: 0.006+/-0.000 χ^2/NDF : 923899.1/18

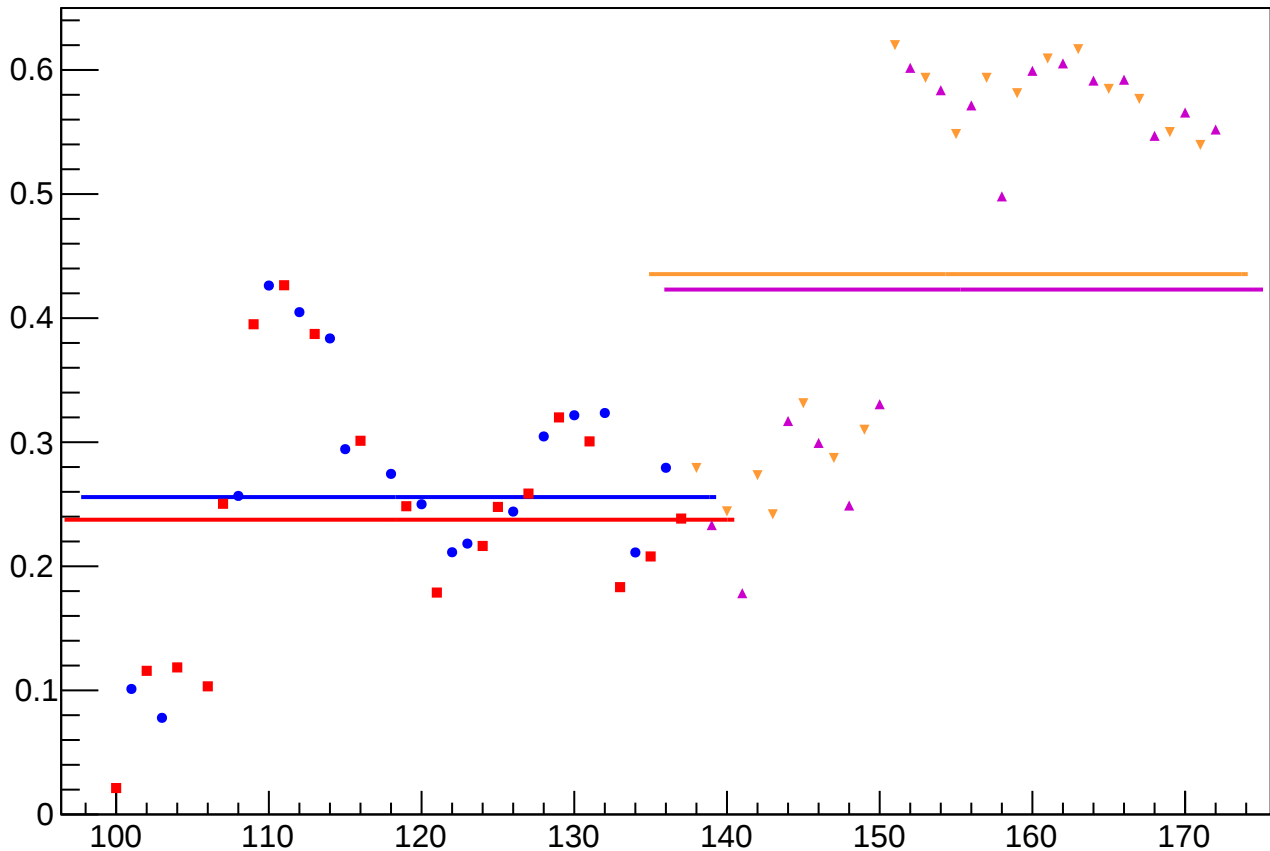
Left In: 0.004+/-0.000 χ^2/NDF : 177536.0/16

+ sign 0.004+/-0.000 χ^2/NDF : 2220763.3/34

All: 0.004+/-0.000 χ^2/NDF : 4592949.8/70

- sign 0.004+/-0.000 χ^2/NDF : 2372186.4/35

yield_bpm2i01X_mean vs Slug



Right In: 0.256+/-0.000 χ^2/NDF : 21365489849.4/16

Left Out: 0.435+/-0.000 χ^2/NDF : 84682324453.2/17

Right Out: 0.238+/-0.000 χ^2/NDF : 26057284646.9/18

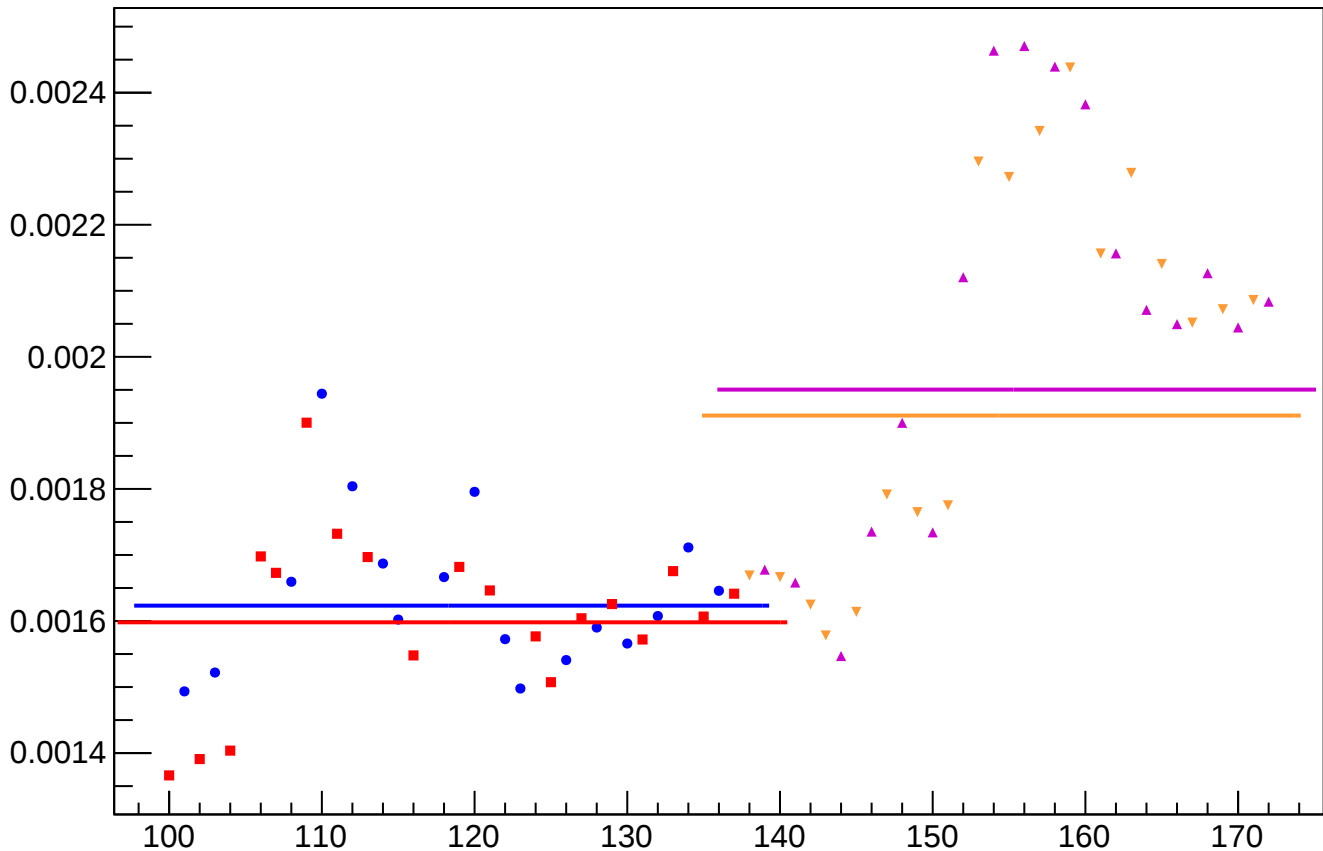
Left In: 0.423+/-0.000 χ^2/NDF : 83046792643.3/16

+ sign 0.362+/-0.000 χ^2/NDF : 152922935714.0/34

All: 0.351+/-0.000 χ^2/NDF : 315149864138.6

- sign 0.340+/-0.000 χ^2/NDF : 160646163008.4/35

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 52468.7/16

Left Out: 0.002+/-0.000 χ^2/NDF : 540798.9/17

Right Out: 0.002+/-0.000 χ^2/NDF : 90678.4/18

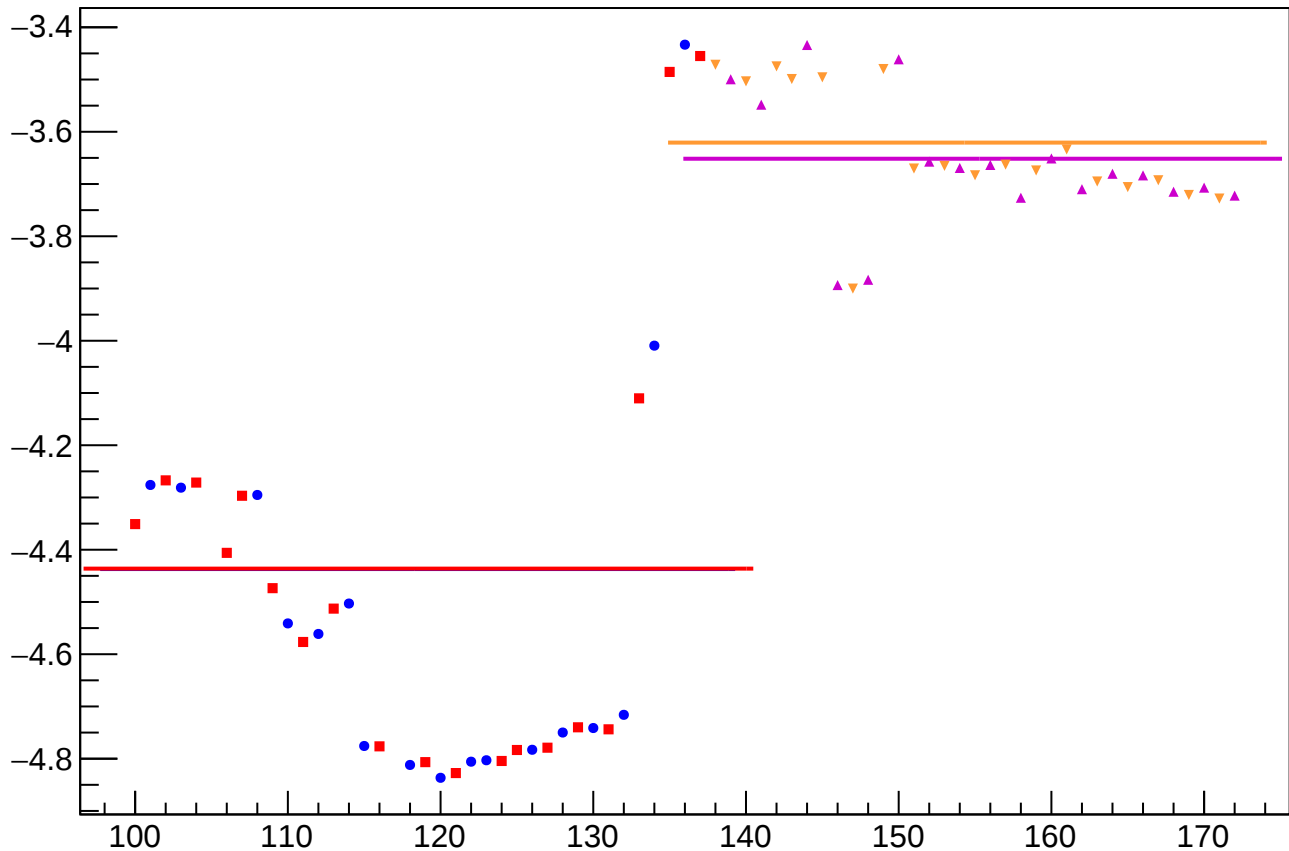
Left In: 0.002+/-0.000 χ^2/NDF : 563419.6/16

+ sign 0.002+/-0.000 χ^2/NDF : 833848.2/34

All: 0.002+/-0.000 χ^2/NDF : 1860005.5/70

- sign 0.002+/-0.000 χ^2/NDF : 1026124.9/35

yield_bpm2i01Y_mean vs Slug



Right In: -4.437+/-0.000 χ^2/NDF : 392812415429.0/16

Left Out: -3.621+/-0.000 χ^2/NDF : 38238364629.3/17

Right Out: -4.436+/-0.000 χ^2/NDF : 325183860699.4/18

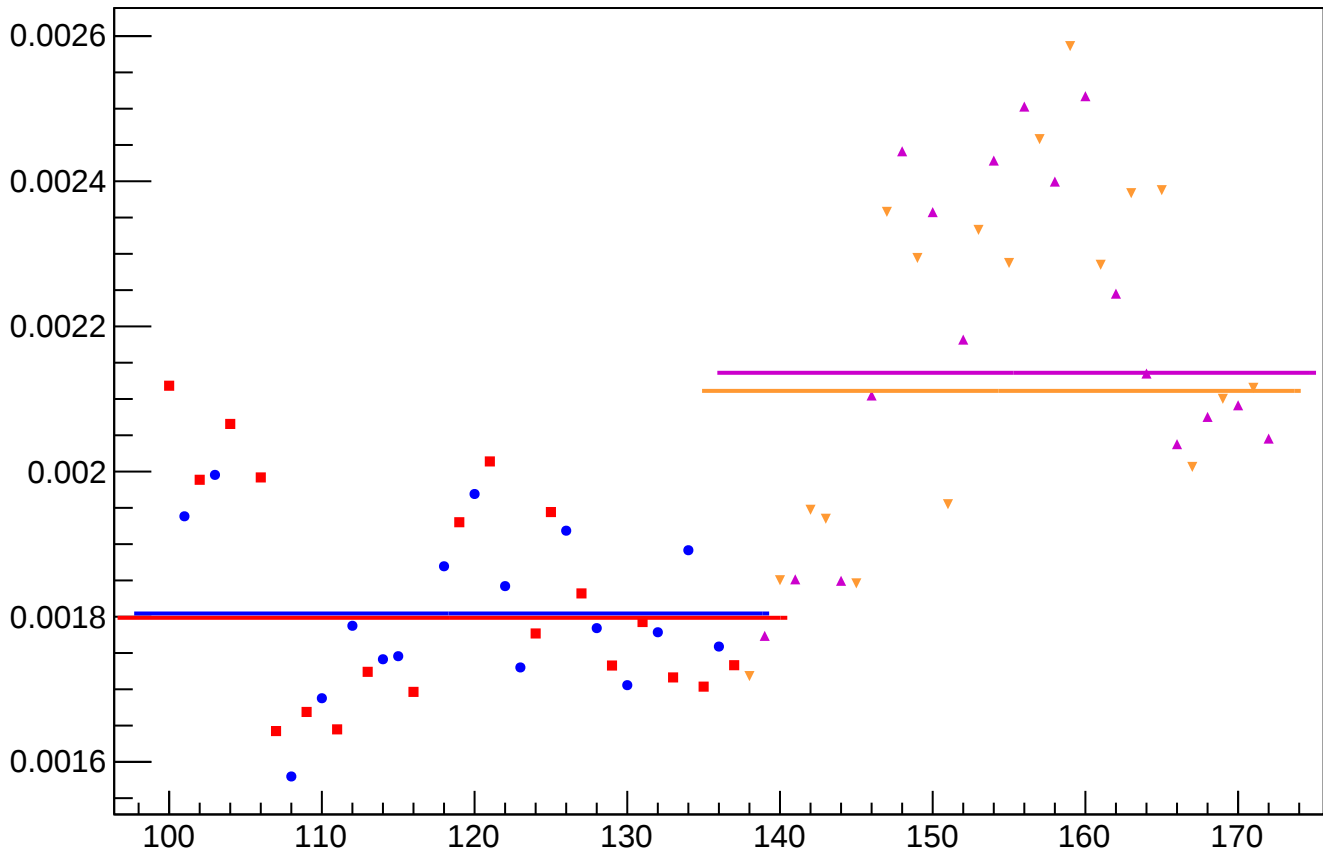
Left In: -3.652+/-0.000 χ^2/NDF : 45674799344.2/16

+ sign -3.953+/-0.000 χ^2/NDF : 1220422651570.8/3

All: -3.971+/-0.000 χ^2/NDF : 2338600844527

- sign -3.990+/-0.000 χ^2/NDF : 1114869464602.9/3

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 49103.2/16

Left Out: 0.002+/-0.000 χ^2/NDF : 342728.2/17

Right Out: 0.002+/-0.000 χ^2/NDF : 81021.0/18

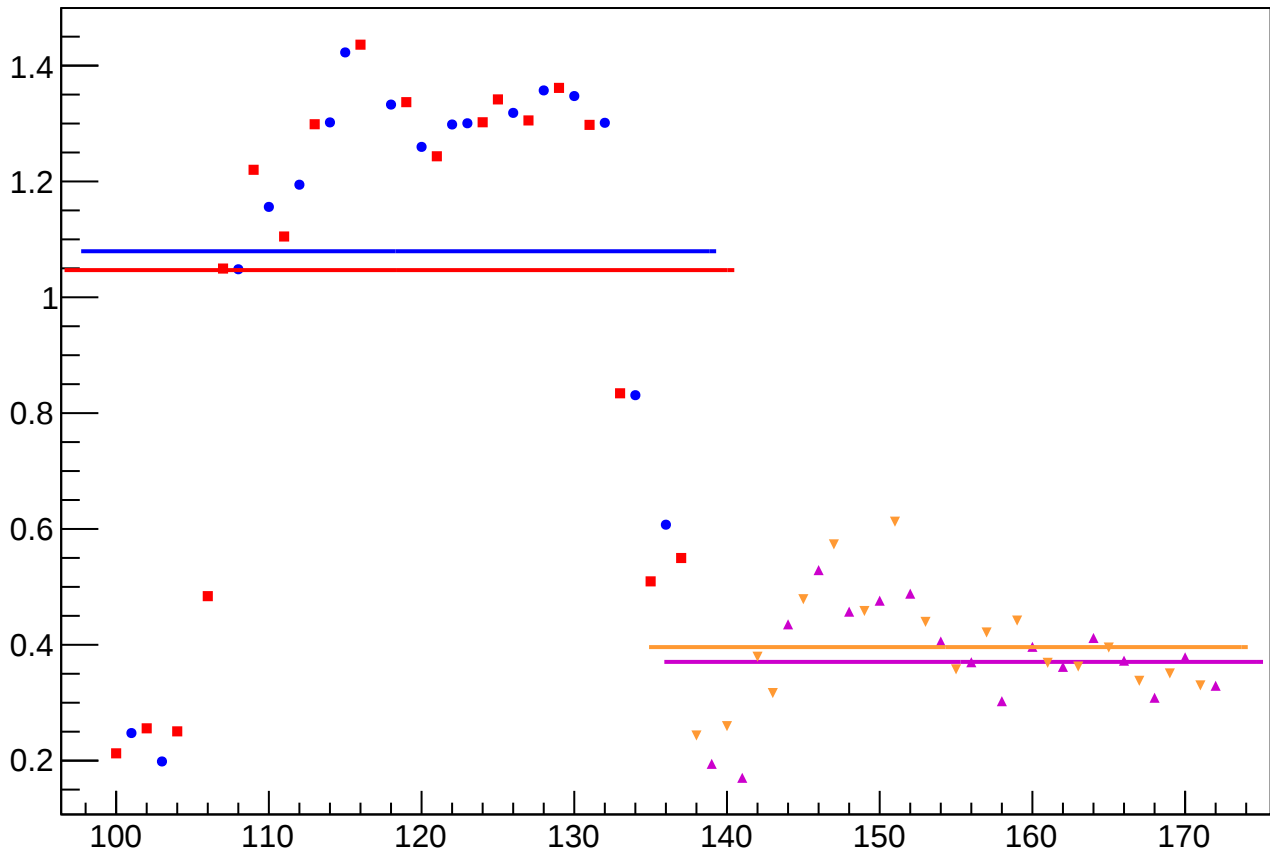
Left In: 0.002+/-0.000 χ^2/NDF : 299220.4/16

+ sign 0.002+/-0.000 χ^2/NDF : 614776.2/34

All: 0.002+/-0.000 χ^2/NDF : 1270587.3/70

- sign 0.002+/-0.000 χ^2/NDF : 655718.6/35

yield_bpm2i02X_mean vs Slug



Right In: 1.080 $\pm$ 0.000 χ^2/NDF : 17533321220.5/16

Left Out: 0.396 $\pm$ 0.000 χ^2/NDF : 1330971027.2/17

Right Out: 1.047 $\pm$ 0.000 χ^2/NDF : 19683192379.0/18

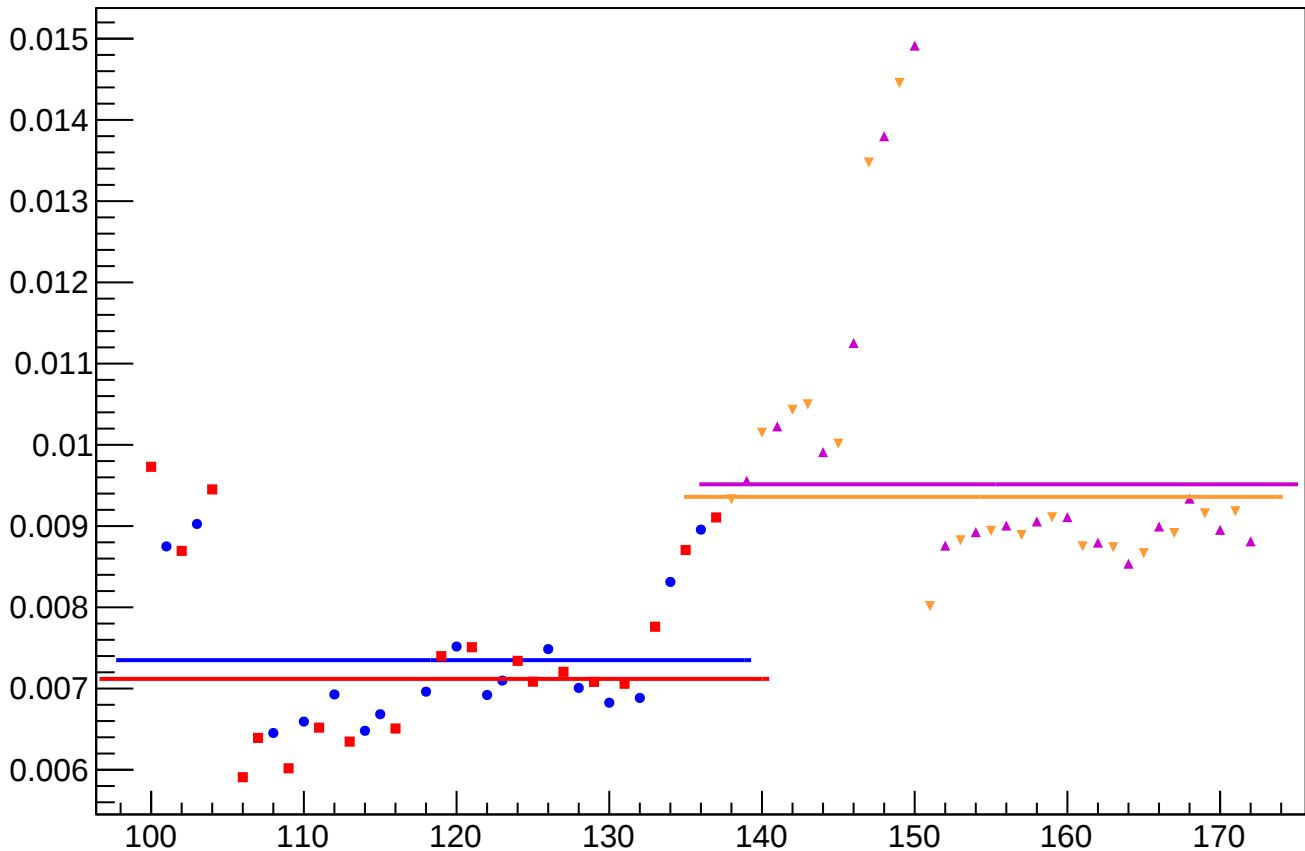
Left In: 0.370 $\pm$ 0.000 χ^2/NDF : 1104362157.5/16

+ sign 0.703 $\pm$ 0.000 χ^2/NDF : 50332920195.3/34

All: 0.703 $\pm$ 0.000 χ^2/NDF : 103106630631.1

- sign 0.703 $\pm$ 0.000 χ^2/NDF : 52773693913.0/35

yield_bpm2i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 180818.7/16

Left Out: 0.009+/-0.000 χ^2/NDF : 471691.2/17

Right Out: 0.007+/-0.000 χ^2/NDF : 259112.0/18

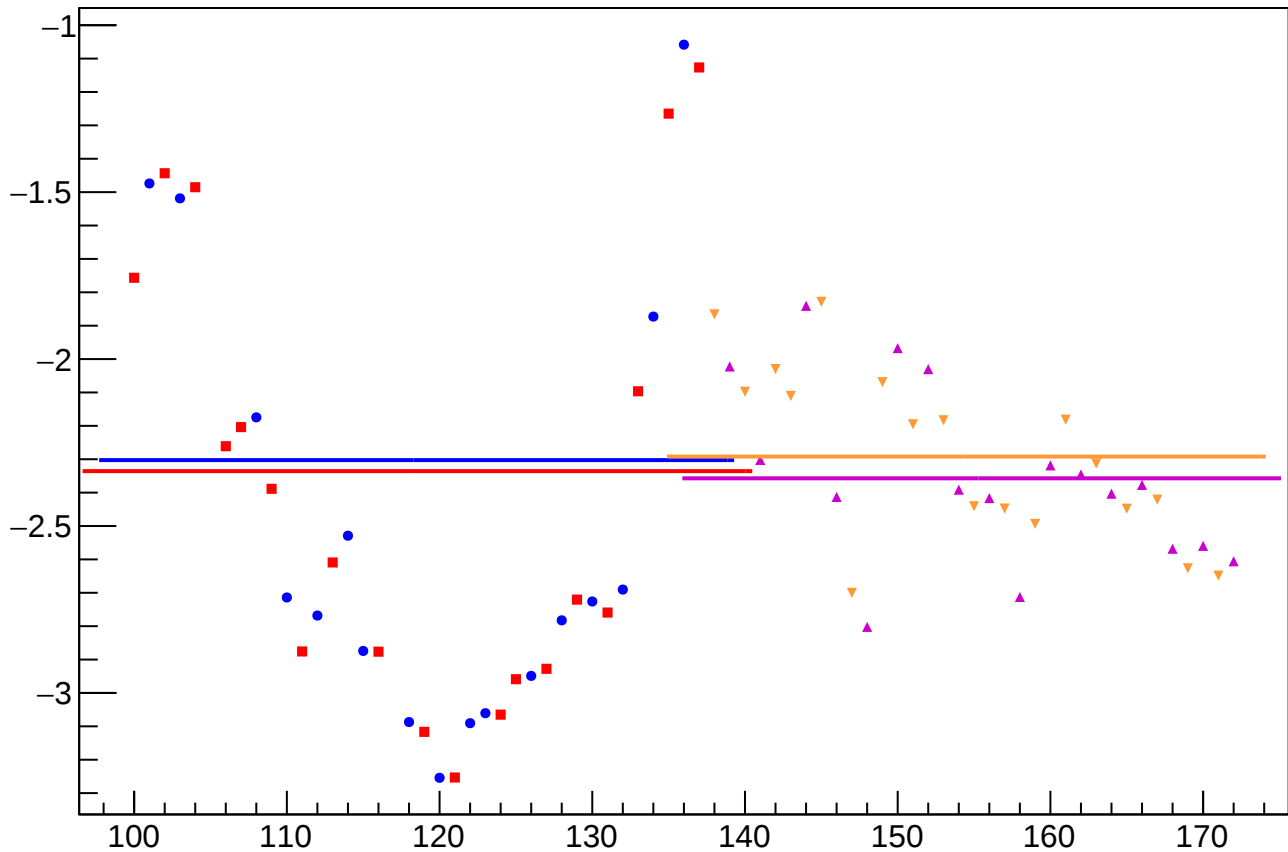
Left In: 0.010+/-0.000 χ^2/NDF : 506123.3/16

+ sign 0.008+/-0.000 χ^2/NDF : 1196935.7/34

All: 0.008+/-0.000 χ^2/NDF : 2768378.2/70

- sign 0.008+/-0.000 χ^2/NDF : 1567374.1/35

yield_bpm2i02Y_mean vs Slug



Right In: -2.303 ± 0.000 χ^2/NDF : 73755914805.8/16

Left Out: -2.292 ± 0.000 χ^2/NDF : 10528189477.9/17

Right Out: -2.336 ± 0.000 χ^2/NDF : 64499162456.4/18

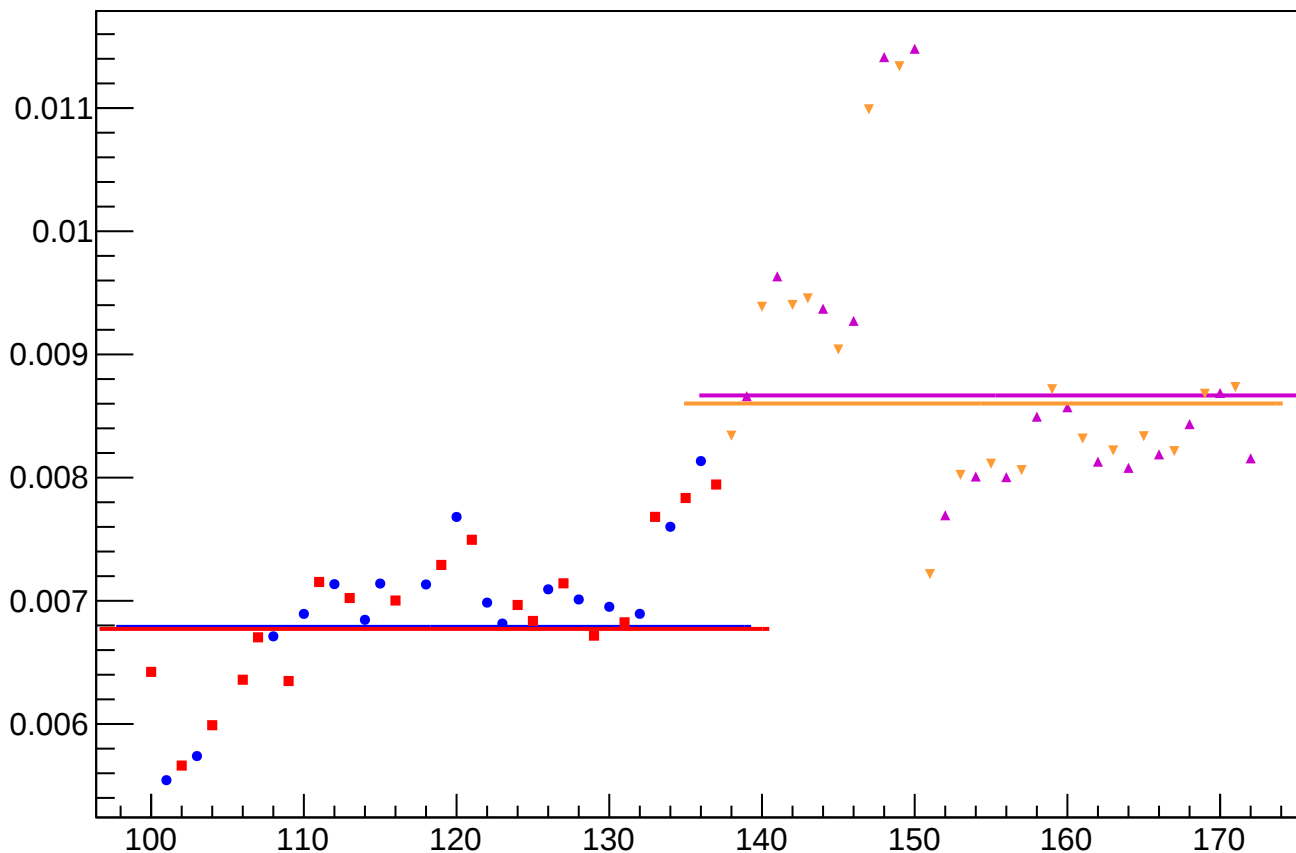
Left In: -2.357 ± 0.000 χ^2/NDF : 10522457996.8/16

+ sign -2.297 ± 0.000 χ^2/NDF : 84293097304.7/34

All: -2.322 ± 0.000 χ^2/NDF : 159764336706.9

- sign -2.347 ± 0.000 χ^2/NDF : 75059700554.1/35

yield_bpm2i02Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 165199.2/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 290201.5/17

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 123244.0/18

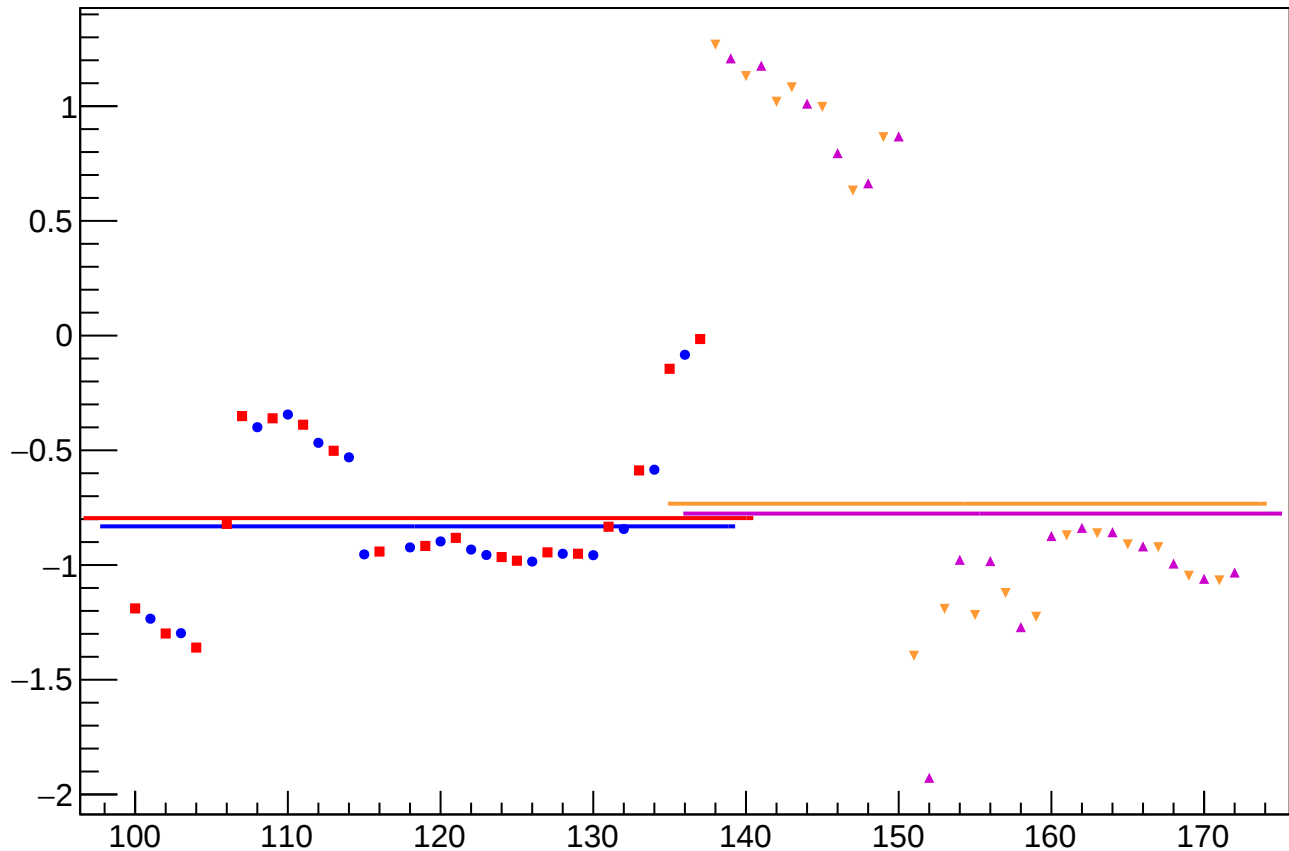
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 302910.2/16

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 980535.5/34

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 1991927.1/70

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1011279.7/35

yield_bpm0i01X_mean vs Slug



Right In: -0.831 ± 0.000 χ^2/NDF : 6692170860.9/16

Left Out: -0.733 ± 0.000 χ^2/NDF : 115824672417.2/17

Right Out: -0.796 ± 0.000 χ^2/NDF : 7821744046.6/18

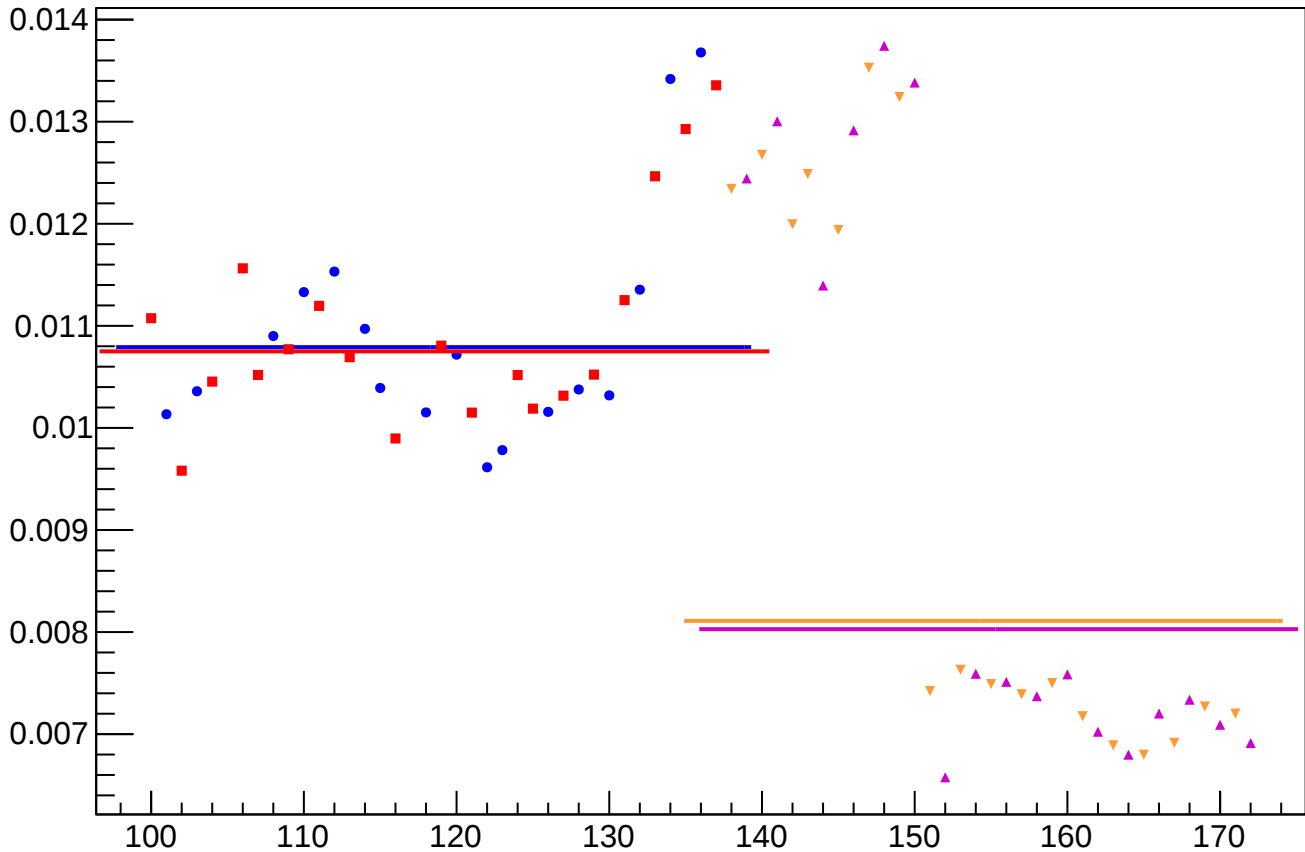
Left In: -0.776 ± 0.000 χ^2/NDF : 122445518471.1/16

+ sign -0.755 ± 0.000 χ^2/NDF : 122941102997.7/34

All: -0.768 ± 0.000 χ^2/NDF : 253303856966.7

- sign -0.781 ± 0.000 χ^2/NDF : 130284881622.2/35

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 125802.4/16

Left Out: 0.008+/-0.000 χ^2/NDF : 1516794.9/17

Right Out: 0.011+/-0.000 χ^2/NDF : 90220.8/18

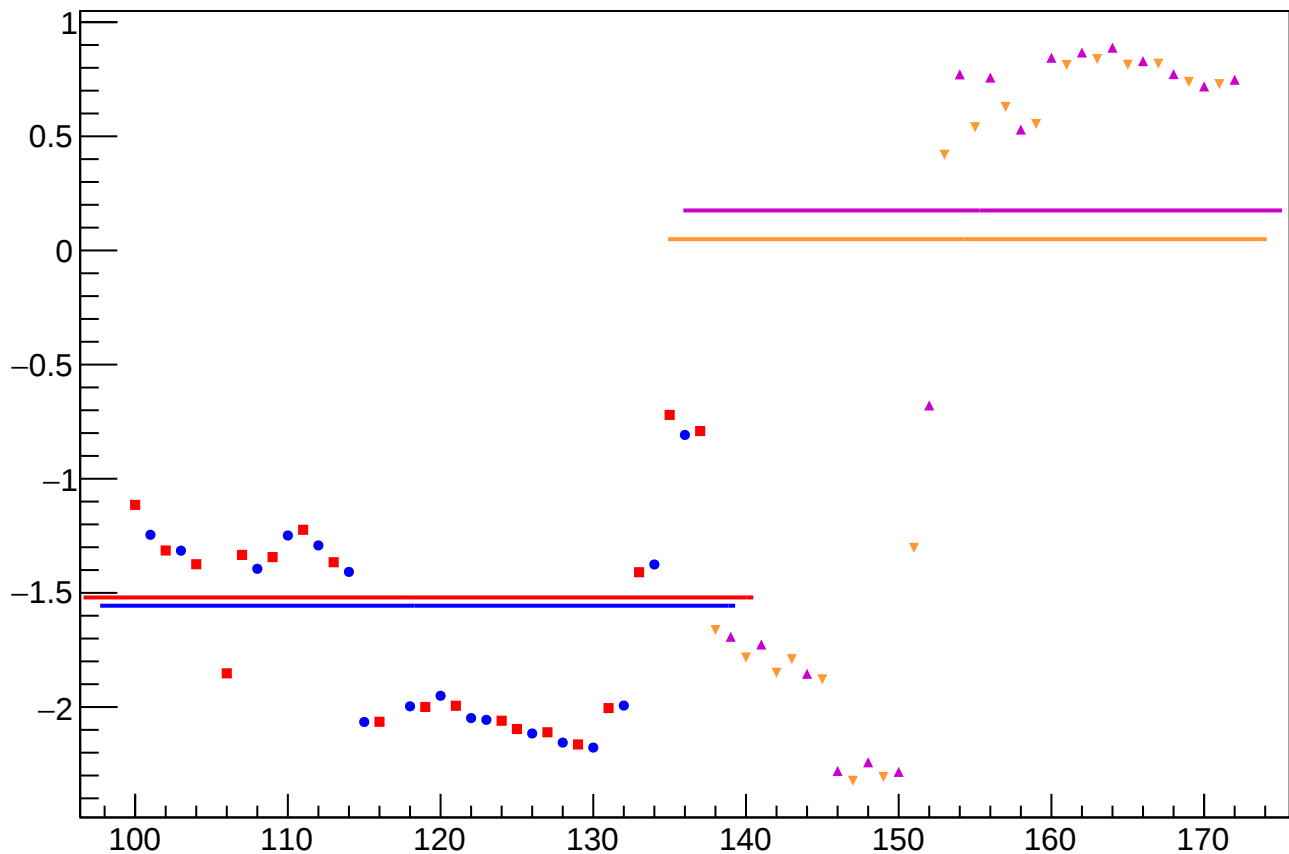
Left In: 0.008+/-0.000 χ^2/NDF : 1592947.8/16

+ sign 0.009+/-0.000 χ^2/NDF : 2267339.7/34

All: 0.009+/-0.000 χ^2/NDF : 4622223.2/70

- sign 0.009+/-0.000 χ^2/NDF : 2354410.1/35

yield_bpm0i01Y_mean vs Slug



Right In: -1.556+/-0.000 χ^2/NDF : 154972763568.8/16

Left Out: 0.050+/-0.000 χ^2/NDF : 2236804886038.7/17

Right Out: -1.520+/-0.000 χ^2/NDF : 138464991806.4/18

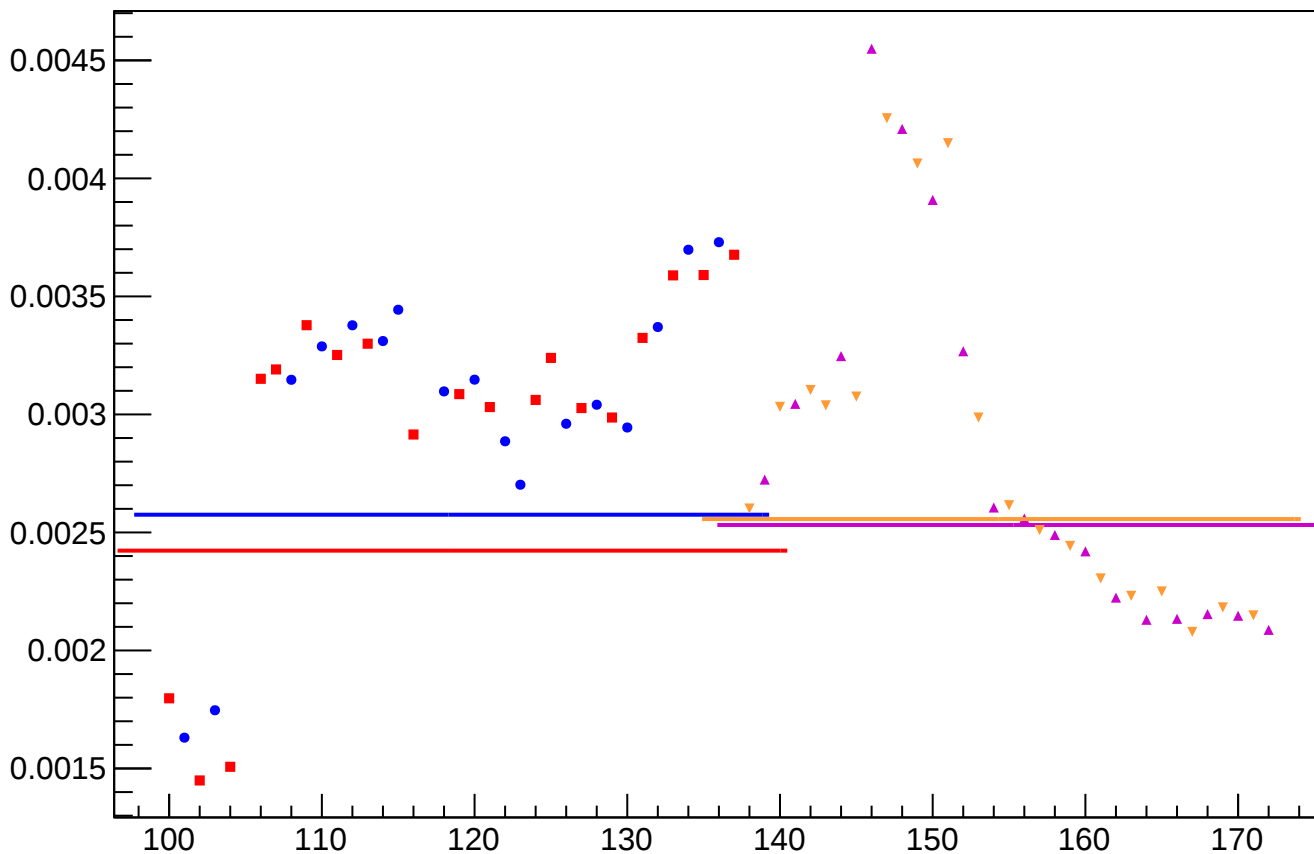
Left In: 0.175+/-0.000 χ^2/NDF : 2092067714985.6/16

+ sign -0.471+/-0.000 χ^2/NDF : 3878504952655.4/3

All: -0.448+/-0.000 χ^2/NDF : 7905346193137

- sign -0.425+/-0.000 χ^2/NDF : 4023943241680.0/3

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 1013833.9/16

Left Out: 0.003+/-0.000 χ^2/NDF :936010.6/17

Right Out: 0.002+/-0.000 χ^2/NDF : 1490134.1/18

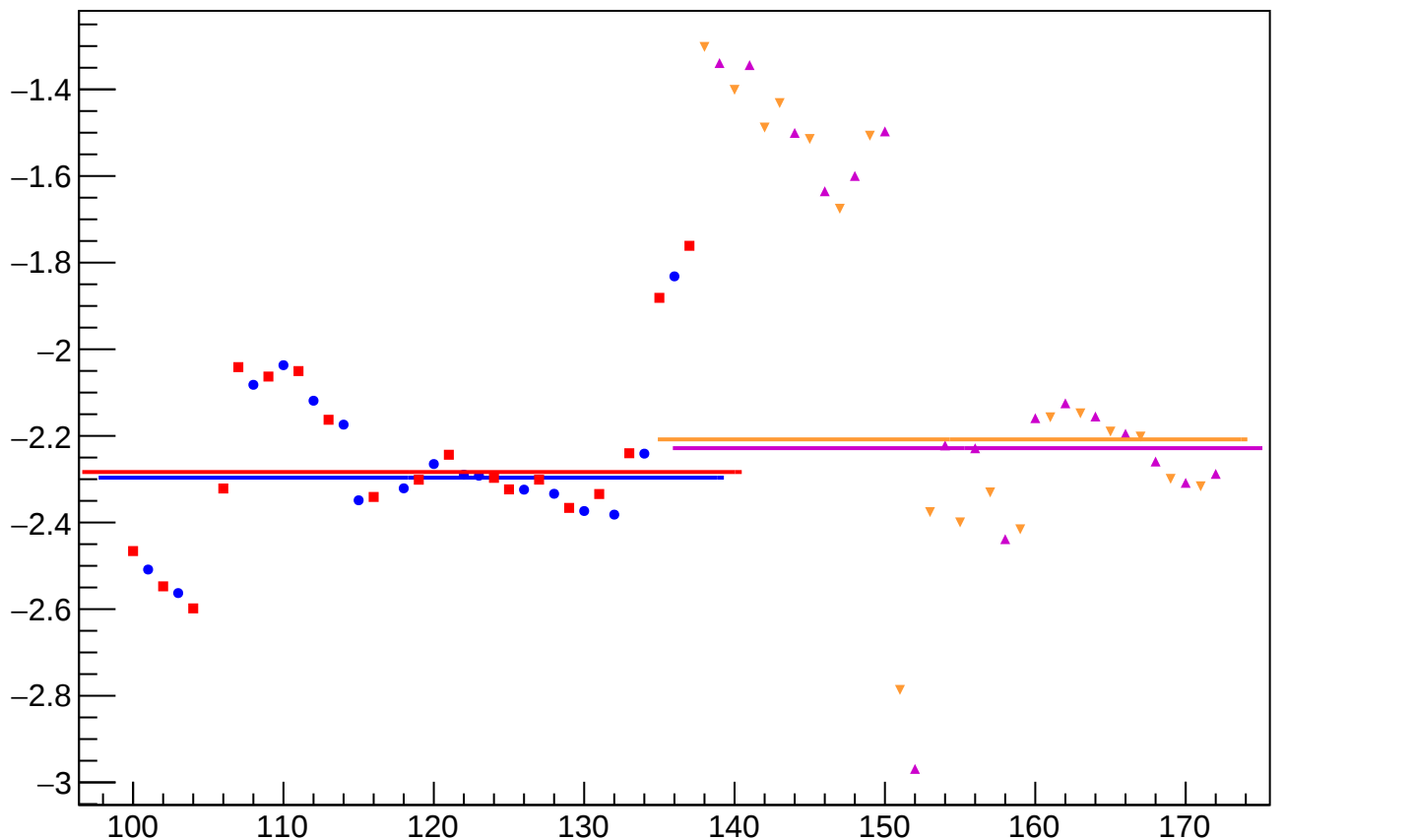
Left In: 0.003+/-0.000 χ^2/NDF :1040097.5/16

+ sign 0.003+/-0.000 χ^2/NDF : 1950239.5/34

All: 0.003+/-0.000 χ^2/NDF : 4508172.6/70

- sign 0.002+/-0.000 χ^2/NDF : 2544983.2/35

yield_bpm0i01aX_mean vs Slug



Right In: -2.296+/-0.000 χ^2/NDF : 5782980938.4/16

Left Out: -2.208+/-0.000 χ^2/NDF : 52035062073.4/17

Right Out: -2.283+/-0.000 χ^2/NDF : 6548716896.9/18

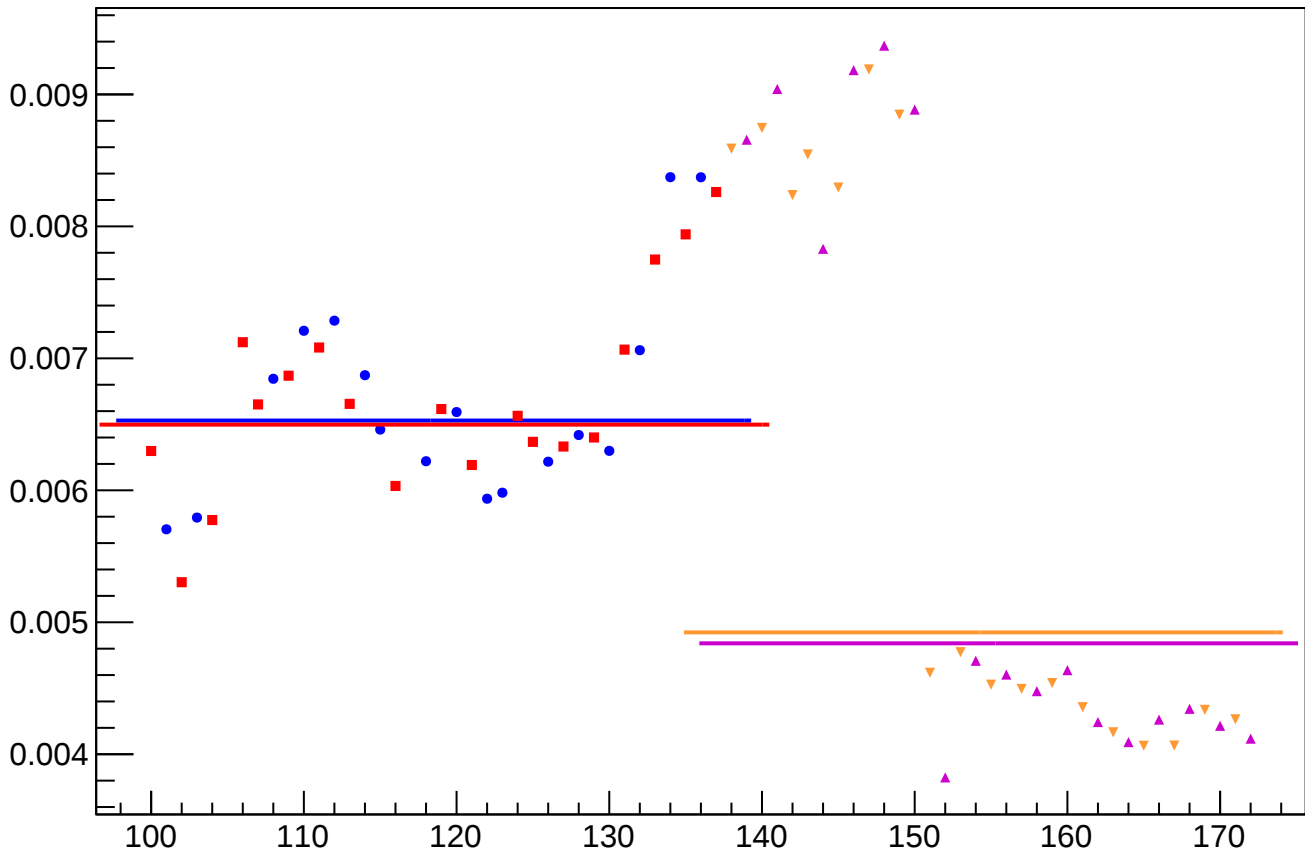
Left In: -2.228+/-0.000 χ^2/NDF : 66850793826.2/16

+ sign -2.229+/-0.000 χ^2/NDF : 58723391727.6/34

All: -2.235+/-0.000 χ^2/NDF : 132545471218.6

- sign -2.242+/-0.000 χ^2/NDF : 73768052588.7/35

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 176467.7/16

Left Out: 0.005+/-0.000 χ^2/NDF : 2081502.6/17

Right Out: 0.006+/-0.000 χ^2/NDF : 164144.2/18

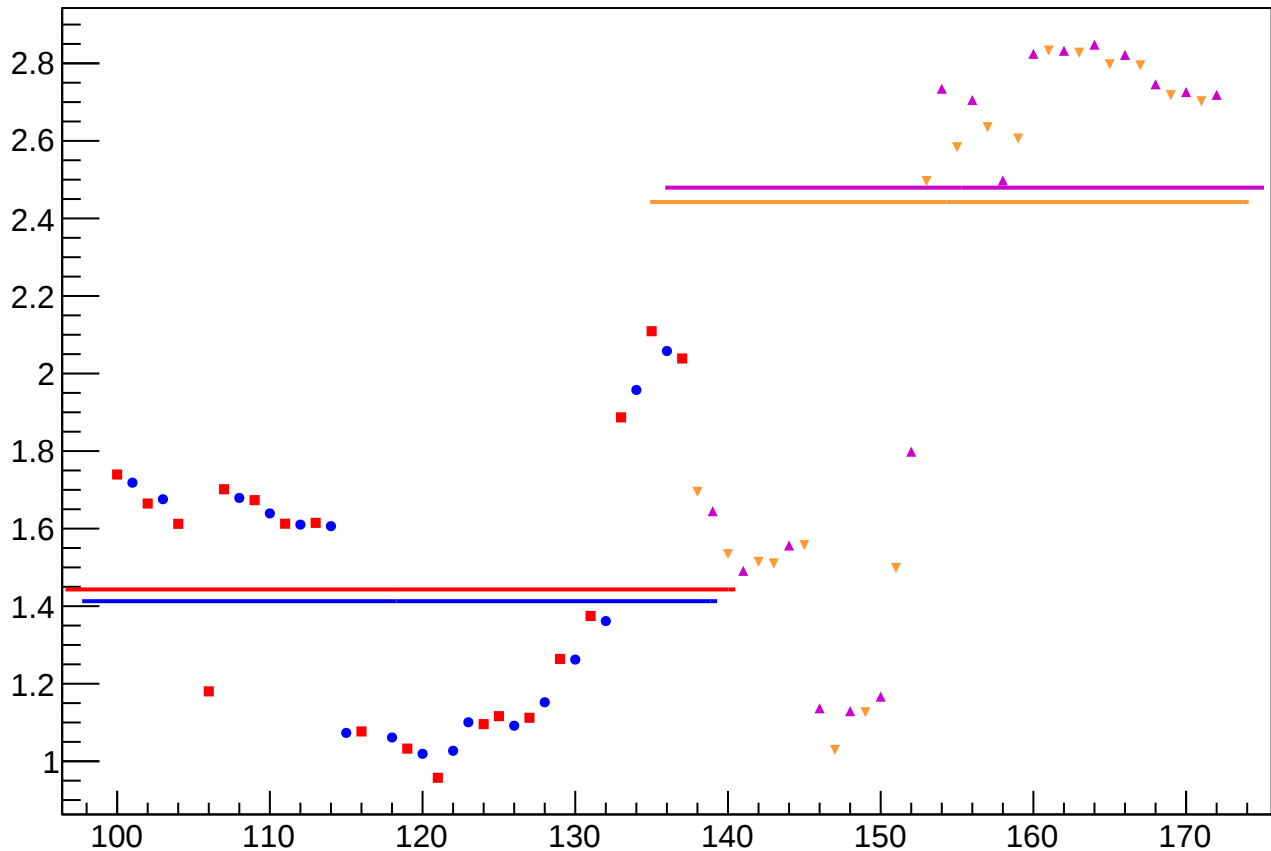
Left In: 0.005+/-0.000 χ^2/NDF : 2191351.0/16

+ sign 0.005+/-0.000 χ^2/NDF : 2855634.1/34

All: 0.005+/-0.000 χ^2/NDF : 5879752.0/70

- sign 0.005+/-0.000 χ^2/NDF : 3022107.3/35

yield_bpm0i01aY_mean vs Slug



Right In: 1.413+/-0.000 χ^2/NDF : 172560306608.0/16

Left Out: 2.442+/-0.000 χ^2/NDF : 235081929470.2/17

Right Out: 1.443+/-0.000 χ^2/NDF : 173290449342.2/18

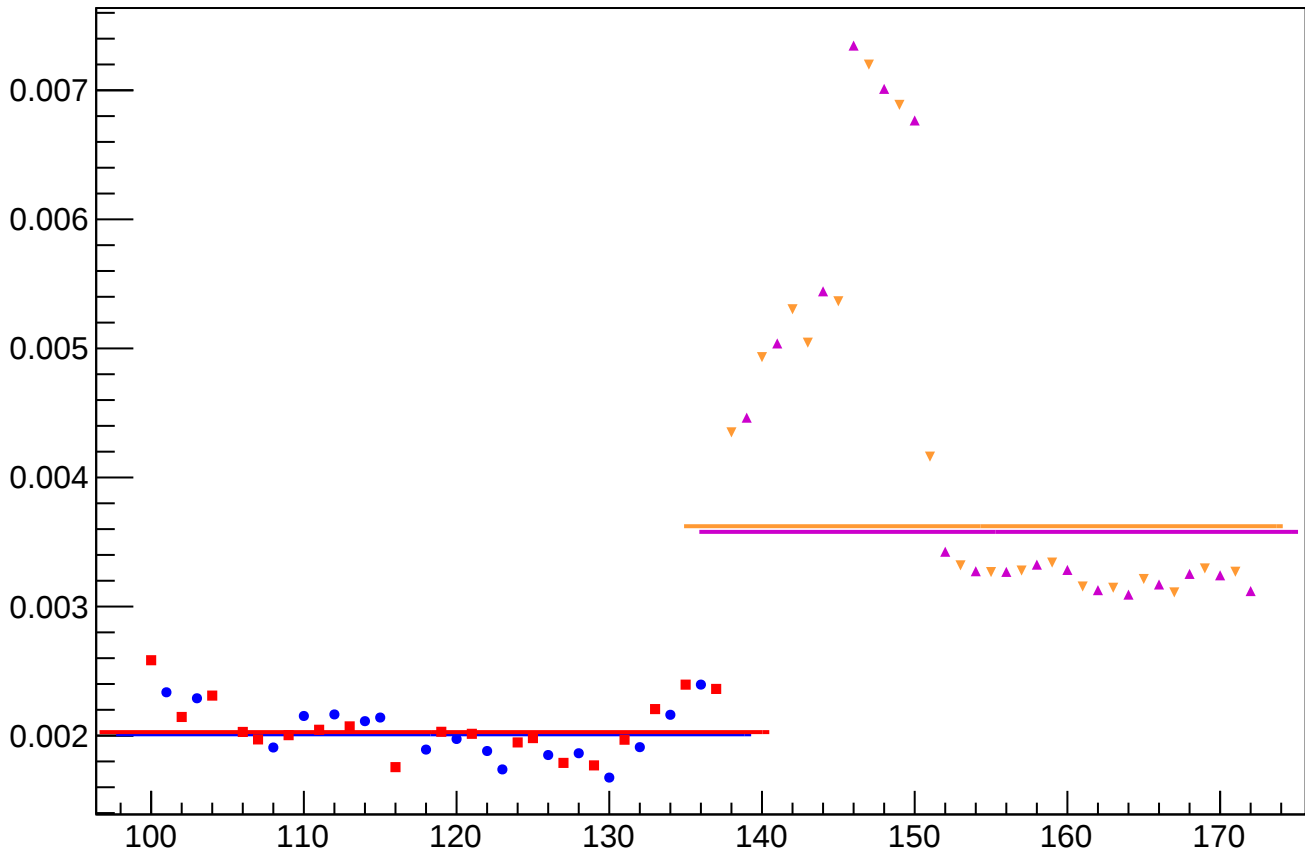
Left In: 2.479+/-0.000 χ^2/NDF : 235156724074.4/16

+ sign 1.797+/-0.000 χ^2/NDF : 1011034000897.5/34

All: 1.809+/-0.000 χ^2/NDF : 2036868423301.0

- sign 1.820+/-0.000 χ^2/NDF : 1025154261374.6/35

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 152530.4/16

Left Out: 0.004+/-0.000 χ^2/NDF : 1294093.2/17

Right Out: 0.002+/-0.000 χ^2/NDF : 103926.2/18

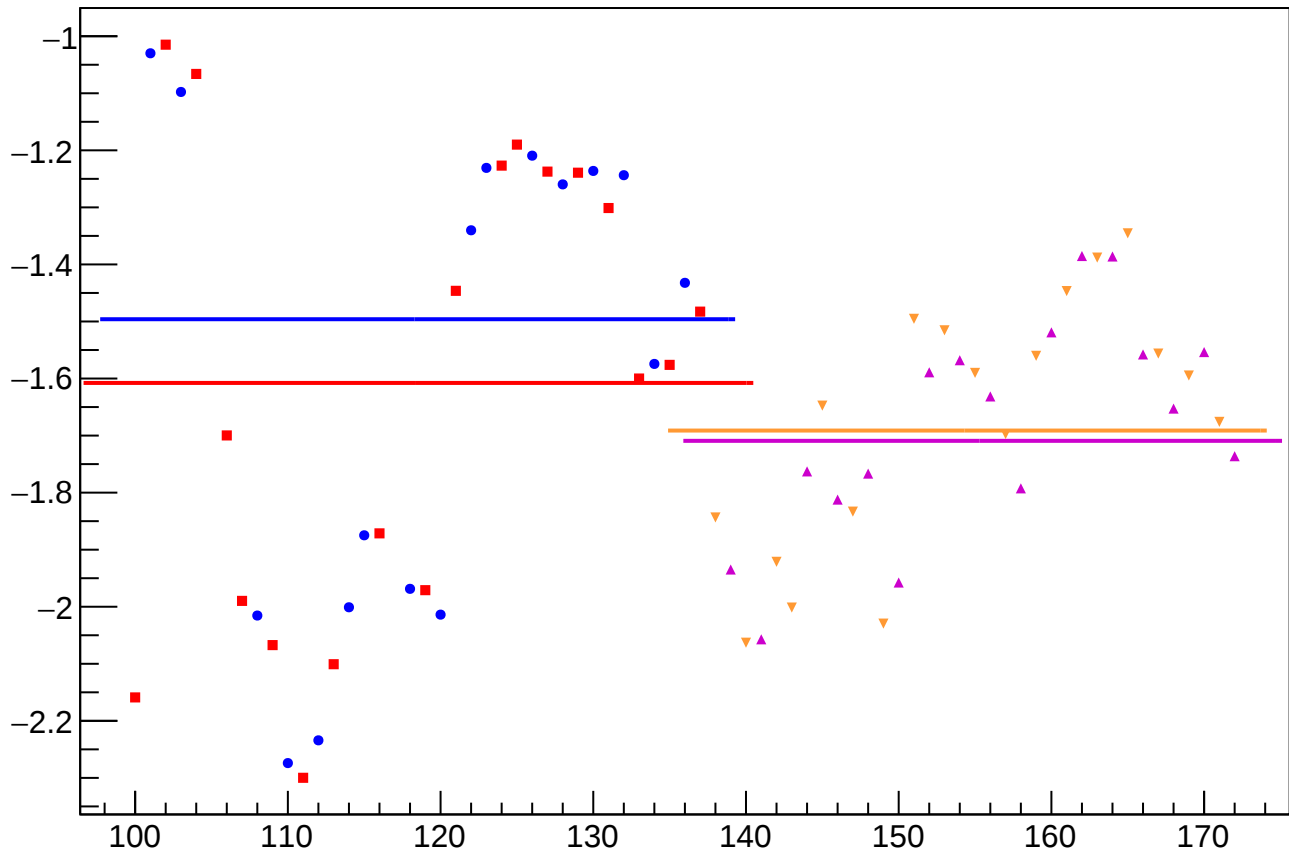
Left In: 0.004+/-0.000 χ^2/NDF : 1498108.2/16

+ sign 0.003+/-0.000 χ^2/NDF : 4406052.4/34

All: 0.003+/-0.000 χ^2/NDF : 8773913.7/70

- sign 0.003+/-0.000 χ^2/NDF : 4366928.5/35

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22525130000.3/16

Left Out: -1.691+/-0.000 χ^2/NDF : 15679264559.4/17

Right Out: -1.608+/-0.000 χ^2/NDF : 27836461057.4/18

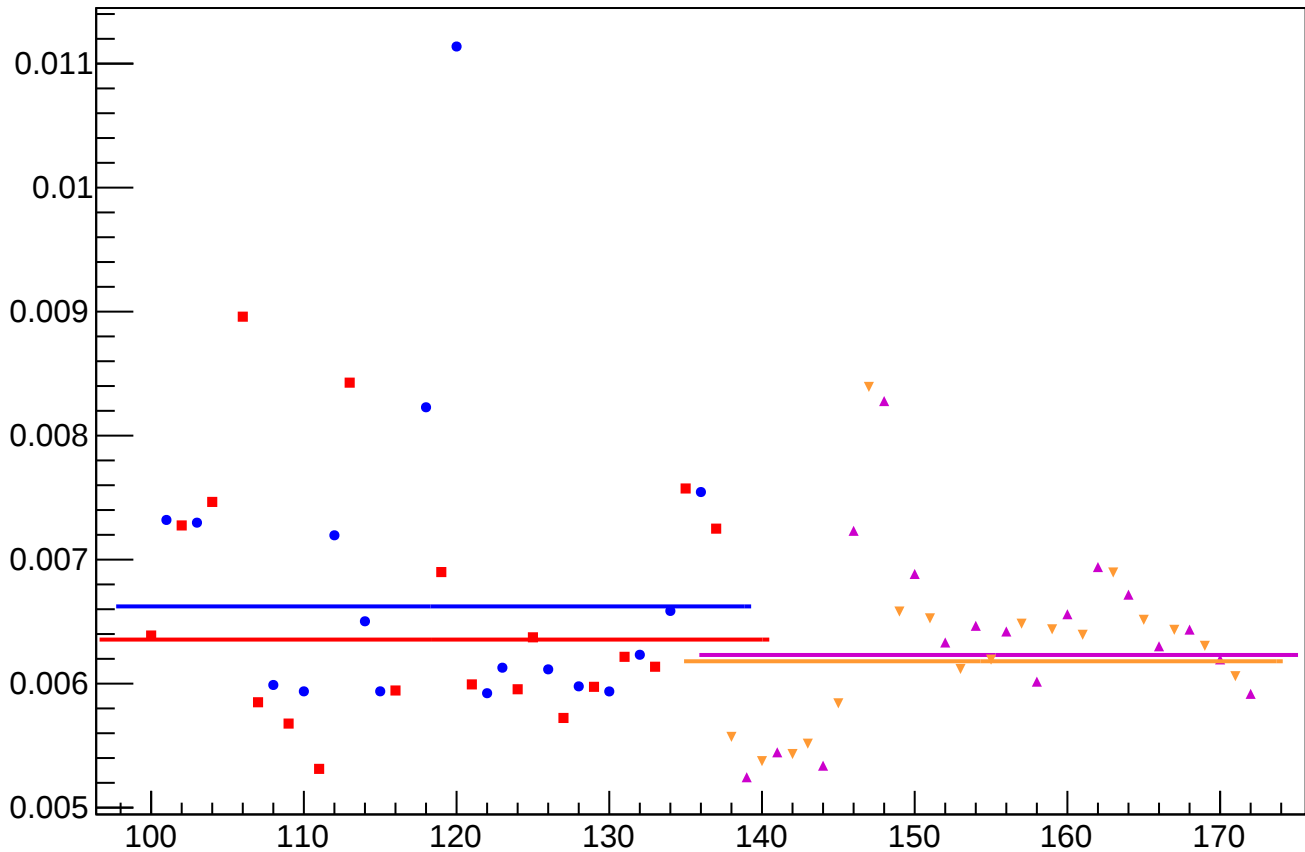
Left In: -1.709+/-0.000 χ^2/NDF : 11255680936.0/16

+ sign -1.634+/-0.000 χ^2/NDF : 41932801747.4/34

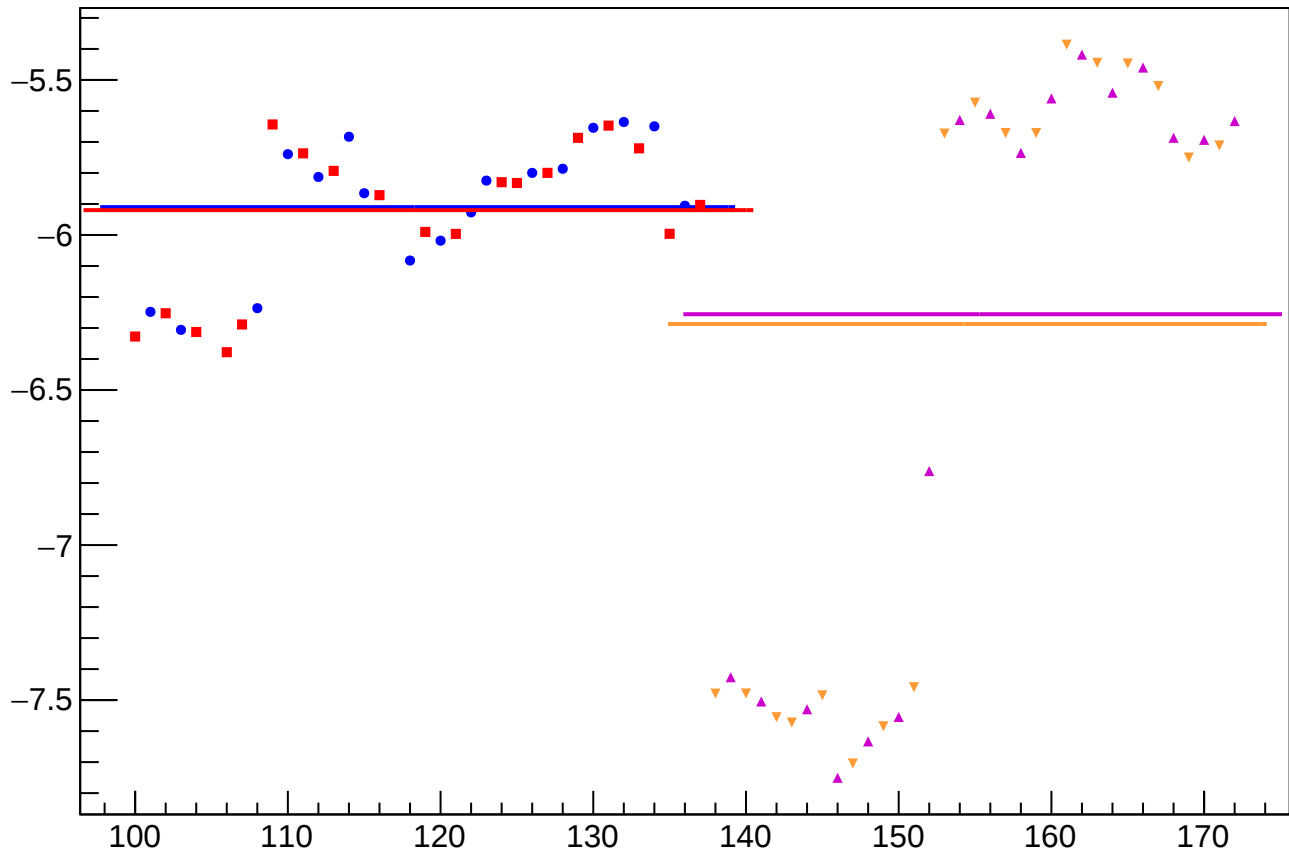
All: -1.654+/-0.000 χ^2/NDF : 82539597270.8

- sign -1.675+/-0.000 χ^2/NDF : 40203491561.0/35

yield_bpm0l01X_rms vs Slug



yield_bpm0l01Y_mean vs Slug



Right In: -5.910+/-0.000 χ^2/NDF : 11154434512.7/16

Left Out: -6.287+/-0.000 χ^2/NDF : 167268461975.3/17

Right Out: -5.920+/-0.000 χ^2/NDF : 12785618366.8/18

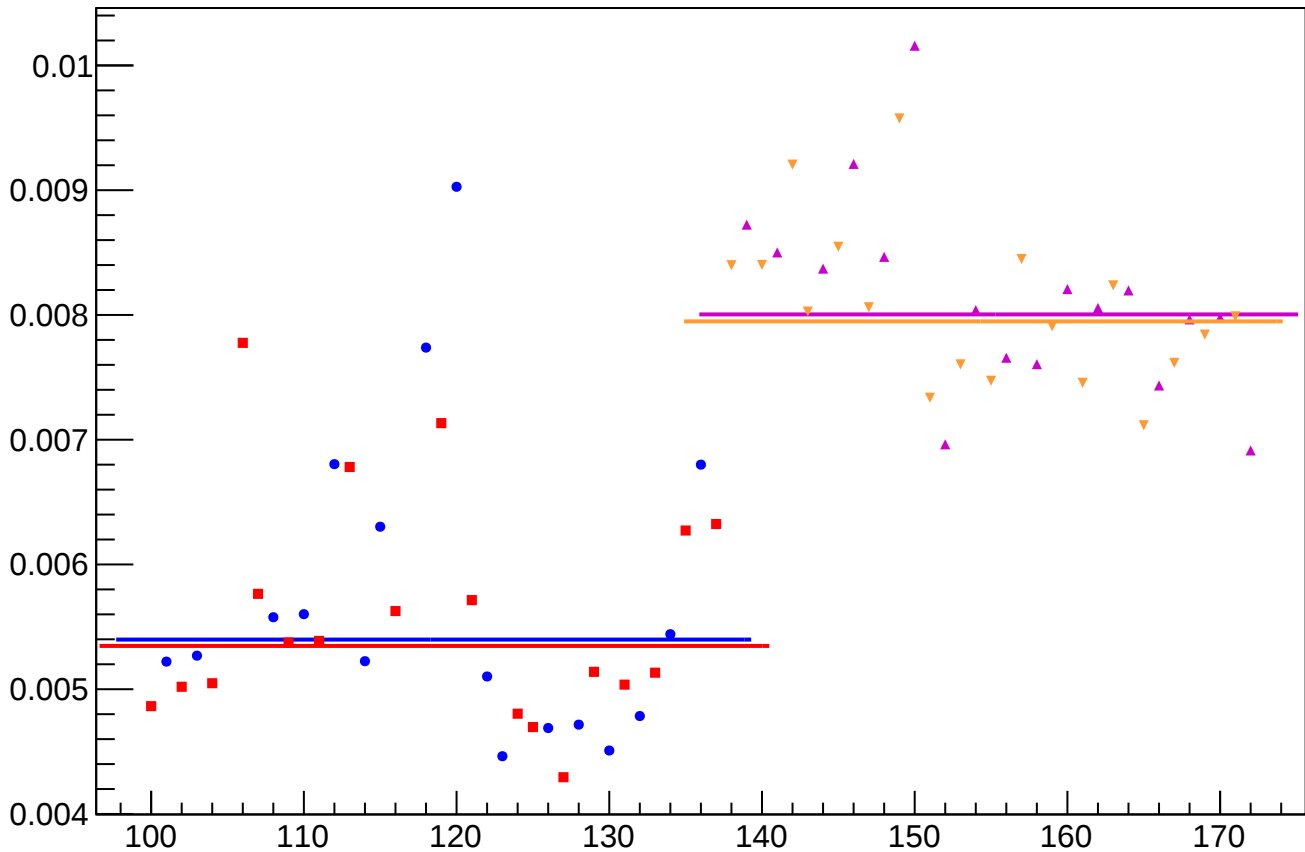
Left In: -6.256+/-0.000 χ^2/NDF : 144603537366.5/16

+ sign -6.092+/-0.000 χ^2/NDF : 192286929111.8/34

All: -6.082+/-0.000 χ^2/NDF : 361131200152.1

- sign -6.072+/-0.000 χ^2/NDF : 168768486301.0/35

yield_bpm0l01Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 371347.4/16

Left Out: 0.008+/-0.000 χ^2/NDF :115771.1/17

Right Out: 0.005+/-0.000 χ^2/NDF : 249377.5/18

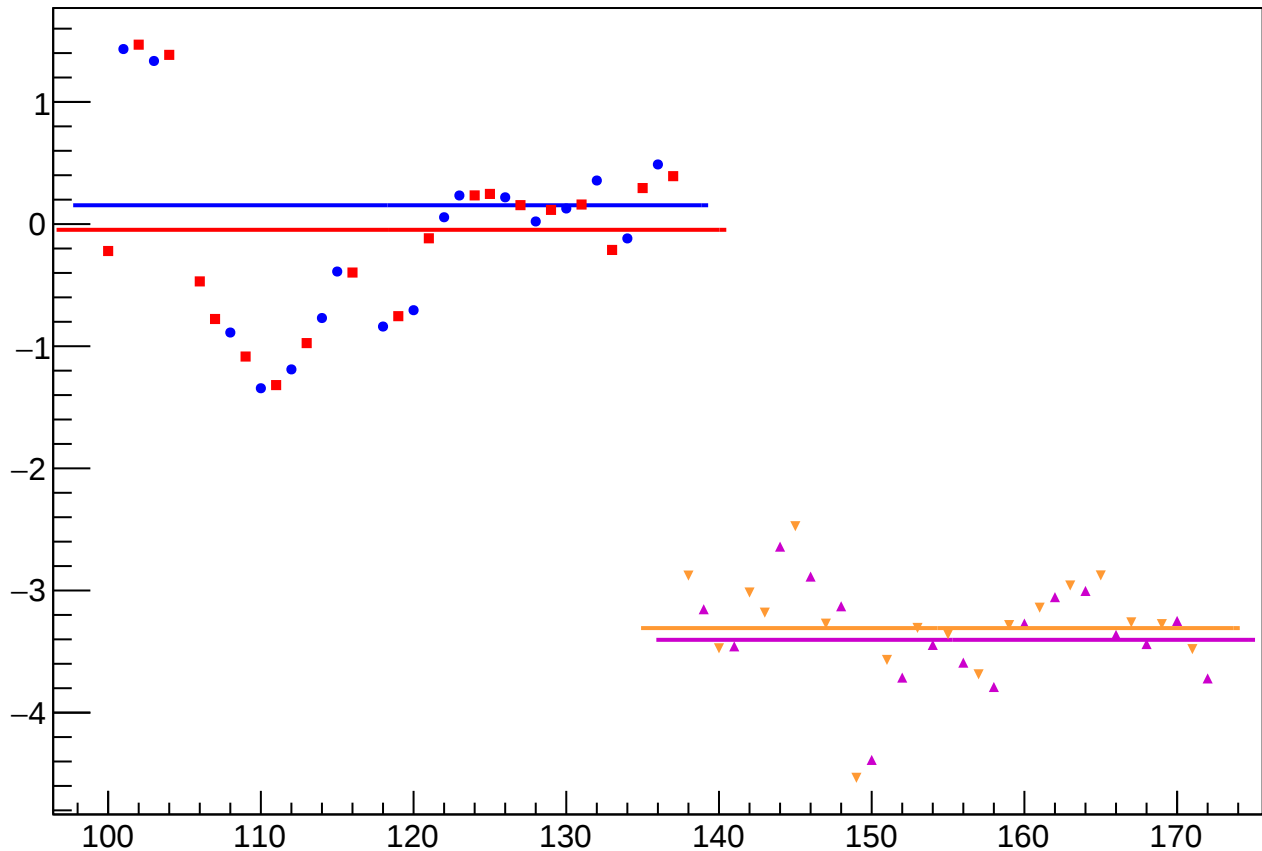
Left In: 0.008+/-0.000 χ^2/NDF :189486.5/16

+ sign 0.007+/-0.000 χ^2/NDF : 1757224.1/34

All: 0.007+/-0.000 χ^2/NDF : 3624654.5/70

- sign 0.007+/-0.000 χ^2/NDF : 1865284.3/35

yield_bpm0l02X_mean vs Slug



Right In: 0.154+/-0.000 χ^2/NDF : 16988256953.8/16

Left Out: -3.308+/-0.000 χ^2/NDF : 8055261396.6/17

Right Out: -0.047+/-0.000 χ^2/NDF : 21211430471.1/18

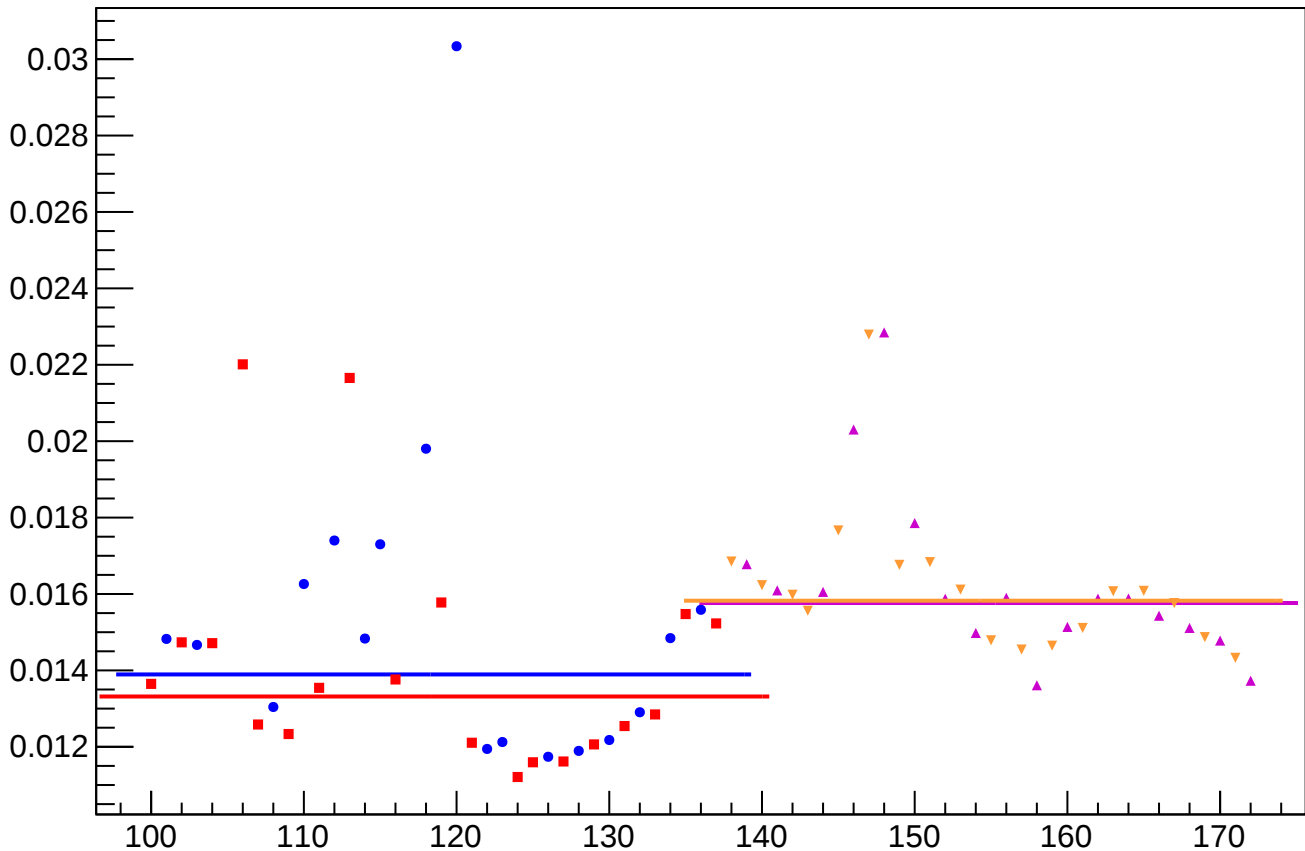
Left In: -3.404+/-0.000 χ^2/NDF : 7324093989.0/16

+ sign -2.011+/-0.000 χ^2/NDF : 254895947250.5/34

All: -2.002+/-0.000 χ^2/NDF : 521502622090.8

- sign -1.994+/-0.000 χ^2/NDF : 266594651751.0/35

yield_bpm0l02X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 400569.4/16

Left Out: 0.016 $\pm$ 0.000 χ^2 /NDF:221564.9/17

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 291358.0/18

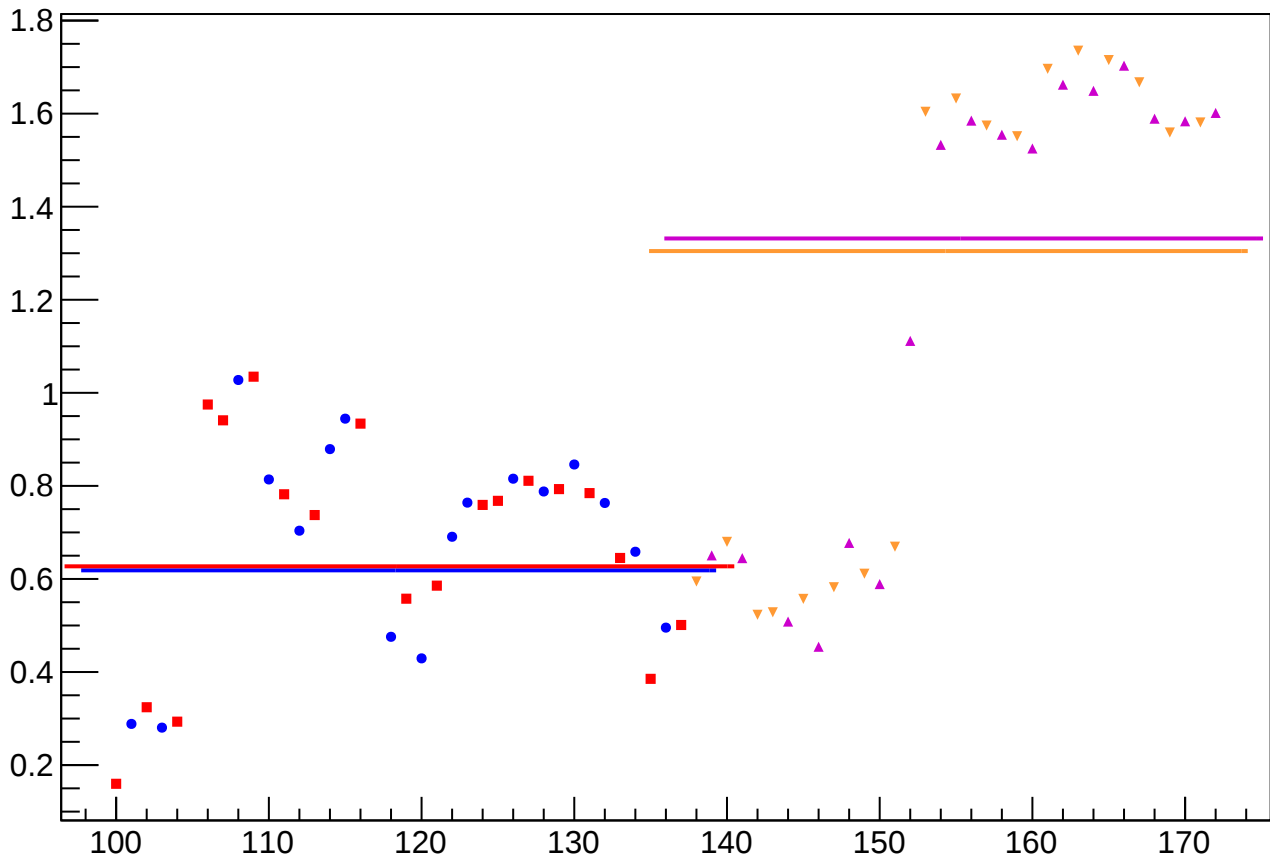
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:326751.7/16

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 764983.2/34

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 1647288.0/70

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 871085.8/35

yield_bpm0l02Y_mean vs Slug



Right In: 0.619 $\pm$ 0.000 χ^2 /NDF: 5416939288.1/16

Left Out: 1.305 $\pm$ 0.000 χ^2 /NDF: 68420931737.5/17

Right Out: 0.627 $\pm$ 0.000 χ^2 /NDF: 6337935219.4/18

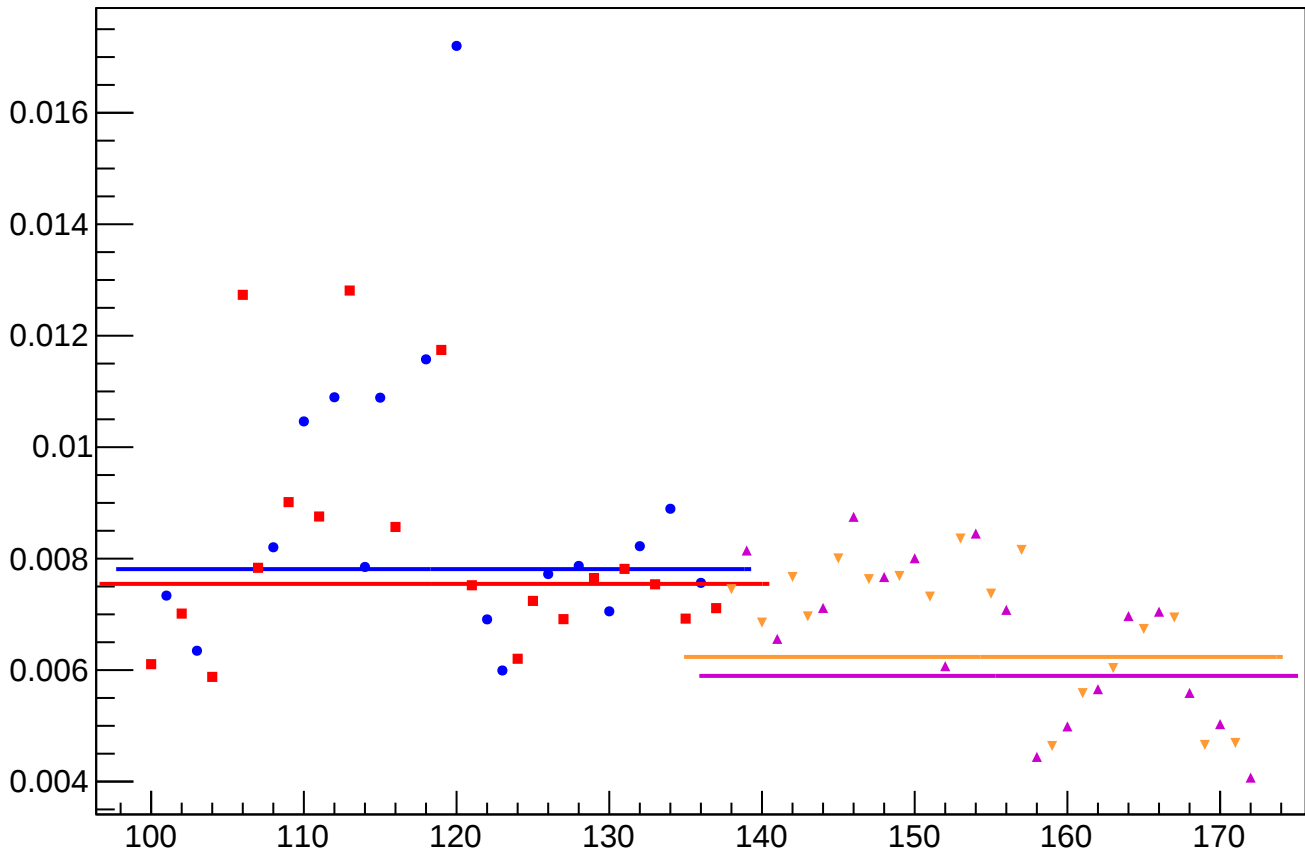
Left In: 1.332 $\pm$ 0.000 χ^2 /NDF: 60371931216.9/16

+ sign 1.142 $\pm$ 0.000 χ^2 /NDF: 108066539918.6/34

All: 1.152 $\pm$ 0.000 χ^2 /NDF: 215709390483.1

- sign 1.161 $\pm$ 0.000 χ^2 /NDF: 107567714283.8/35

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 466827.3/16

Left Out: 0.006+/-0.000 χ^2/NDF :1066282.5/17

Right Out: 0.008+/-0.000 χ^2/NDF : 441823.4/18

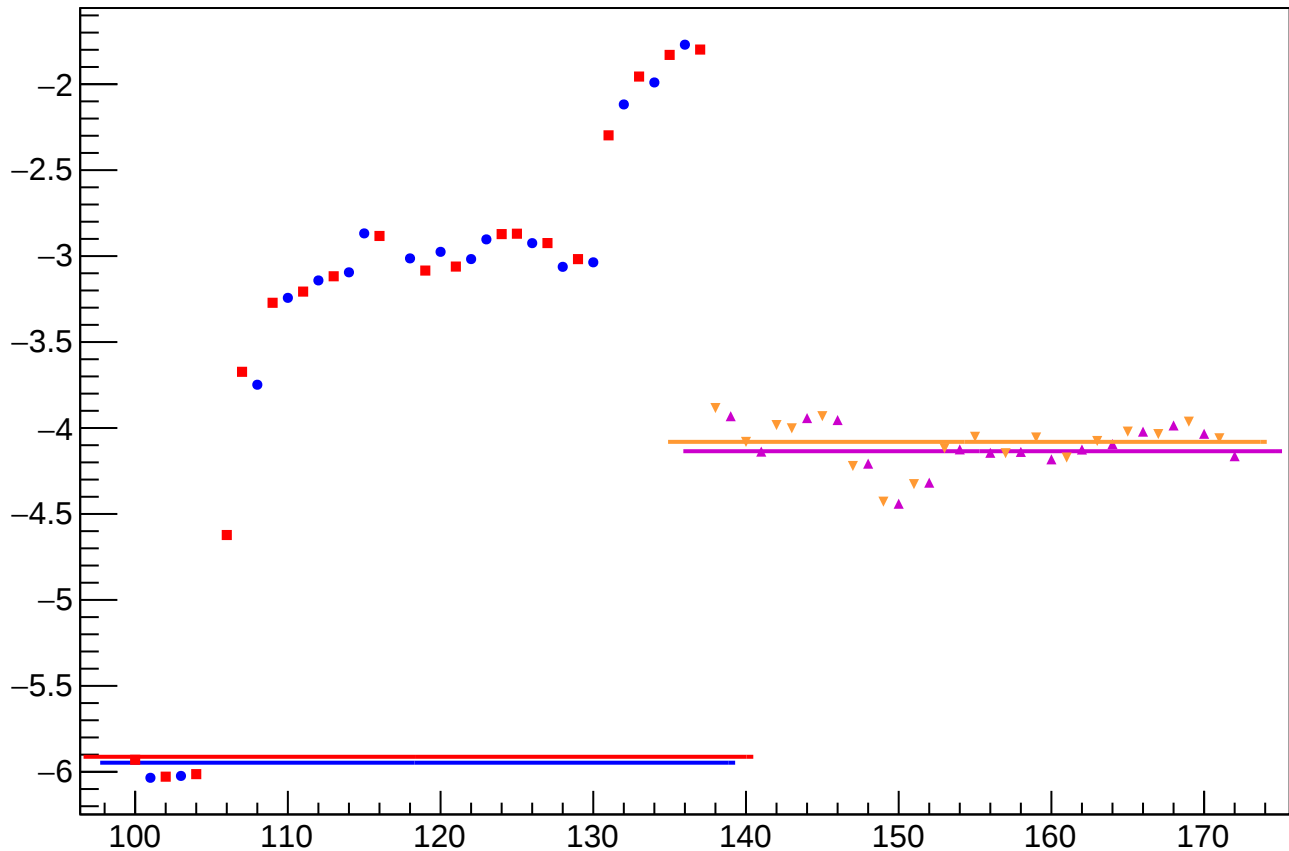
Left In: 0.006+/-0.000 χ^2/NDF :1293366.6/16

+ sign 0.007+/-0.000 χ^2/NDF : 1893986.0/34

All: 0.006+/-0.000 χ^2/NDF : 4119381.5/70

- sign 0.006+/-0.000 χ^2/NDF : 2183813.7/35

yield_bpm0l03X_mean vs Slug



Right In: -5.947+/-0.000 χ^2/NDF : 13165963559.5/16

Left Out: -4.081+/-0.000 χ^2/NDF : 33875769.3/17

Right Out: -5.912+/-0.000 χ^2/NDF : 14619971495.0/18

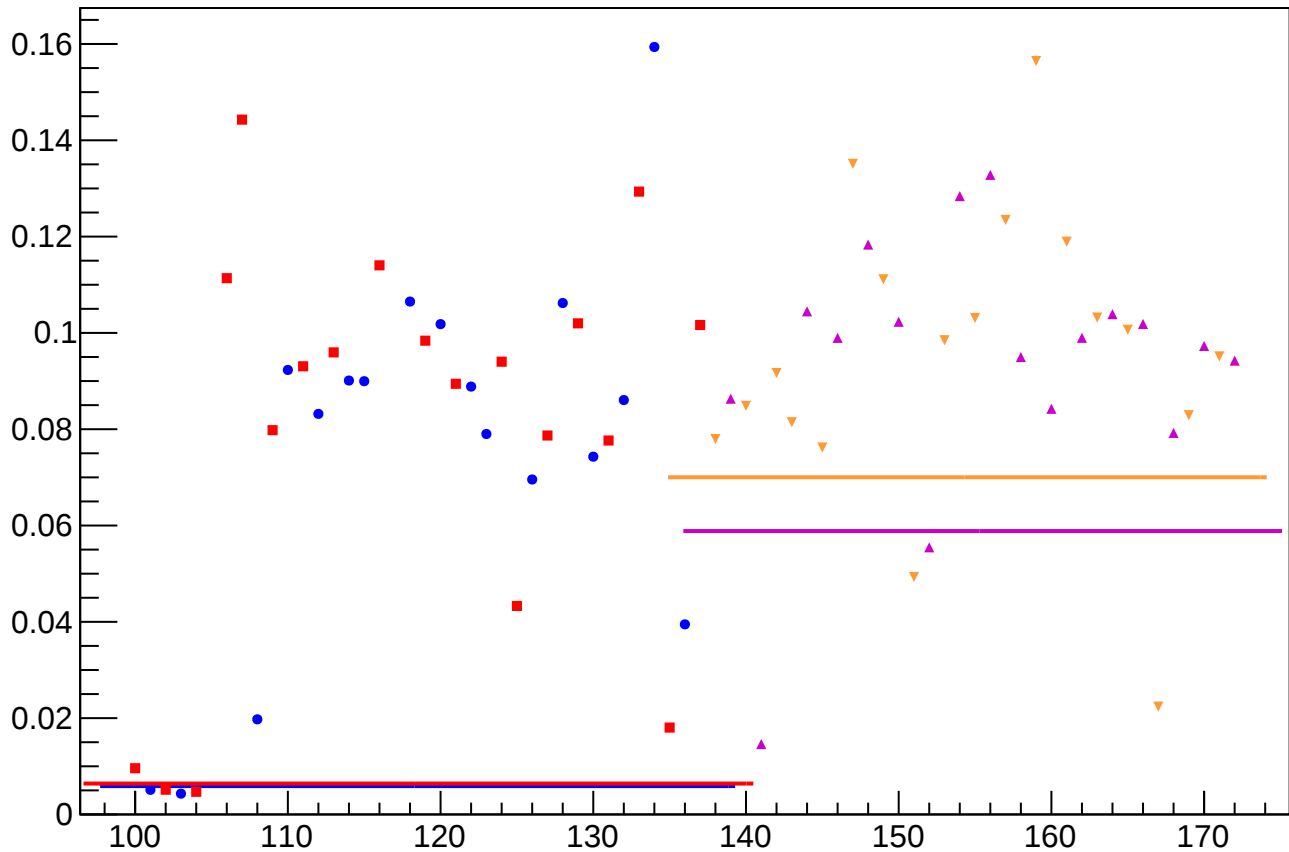
Left In: -4.135+/-0.000 χ^2/NDF : 25102033.0/16

+ sign -5.877+/-0.000 χ^2/NDF : 19424196080.7/34

All: -5.852+/-0.000 χ^2/NDF : 40320271948.0/35

- sign -5.821+/-0.000 χ^2/NDF : 20828530111.0/35

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 7934545.2/16

Left Out: 0.070 $\pm$ 0.000 χ^2 /NDF:4601142.1/17

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 8498586.9/18

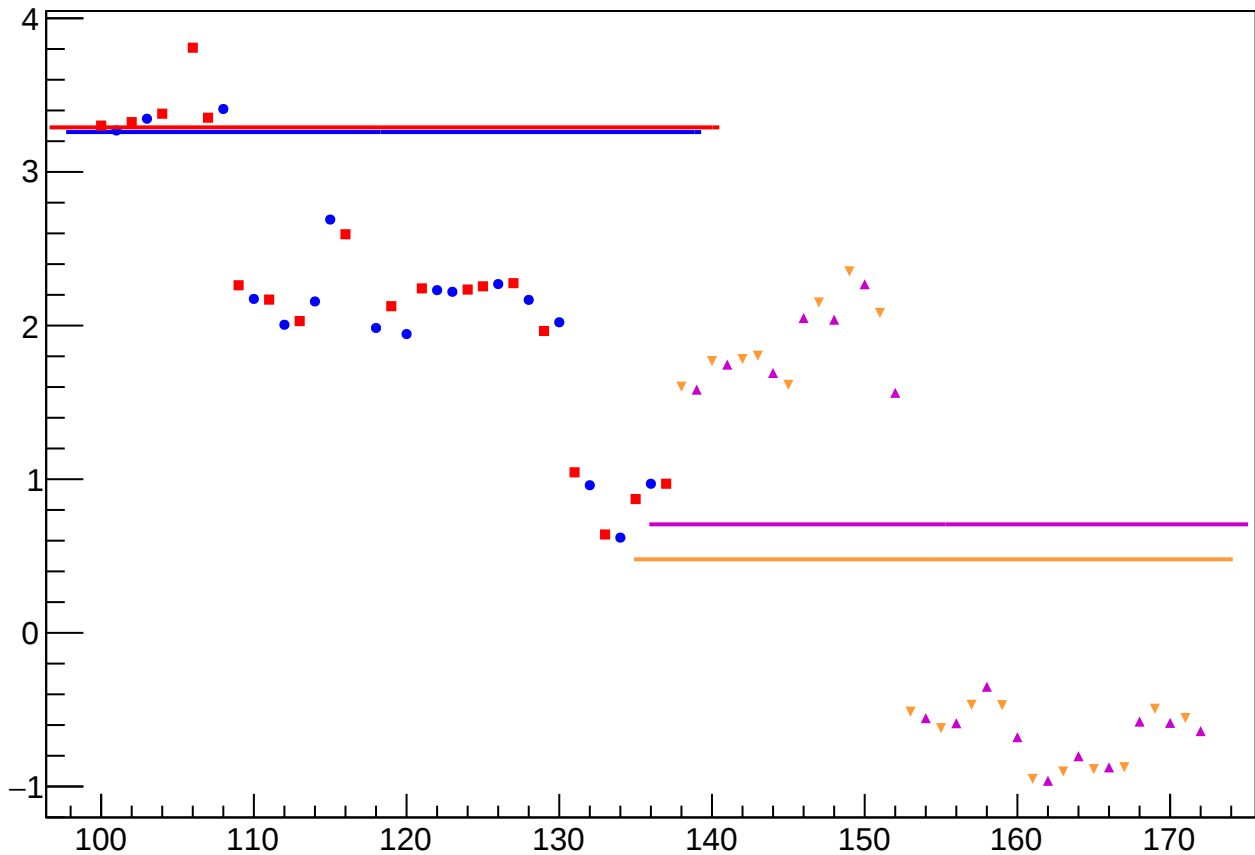
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF:6907775.2/16

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 27234290.7/34

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 53433733.4/70

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 26171367.8/35

yield_bpm0l03Y_mean vs Slug



Right In: 3.259 $\pm$ 0.000 χ^2 /NDF: 2921931976.8/16

Left Out: 0.479 $\pm$ 0.000 χ^2 /NDF: 2736511123.2/17

Right Out: 3.290 $\pm$ 0.000 χ^2 /NDF: 3262231575.5/18

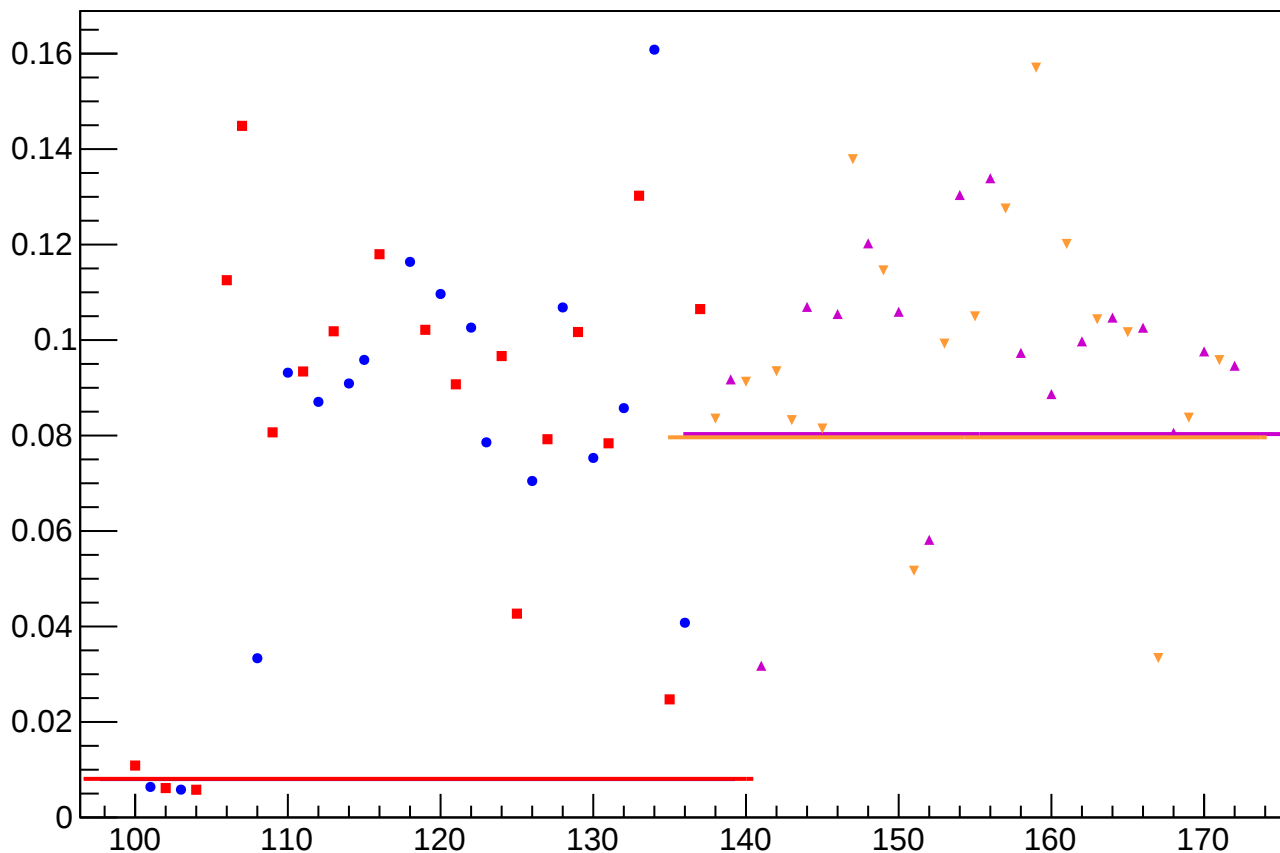
Left In: 0.706 $\pm$ 0.000 χ^2 /NDF: 2149910168.1/16

+ sign 3.115 $\pm$ 0.000 χ^2 /NDF: 17220539585.7/34

All: 3.134 $\pm$ 0.000 χ^2 /NDF: 31840017663.4/35

- sign 3.156 $\pm$ 0.000 χ^2 /NDF: 14595274584.9/35

yield_bpm0l03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7742048.1/16

Left Out: 0.080 $\pm$ 0.000 χ^2 /NDF: 3012078.4/17

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8309426.5/18

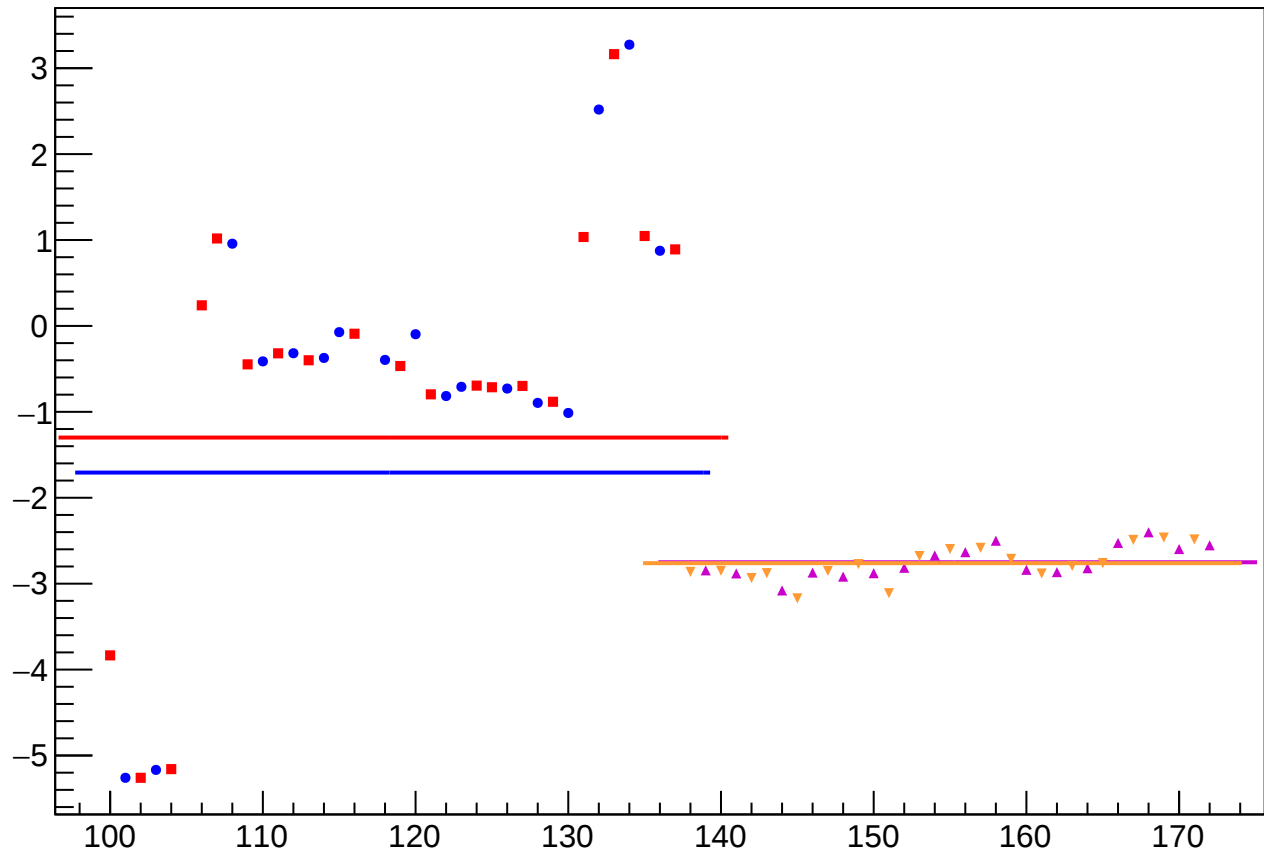
Left In: 0.080 $\pm$ 0.000 χ^2 /NDF: 2833846.1/16

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 26080581.6/34

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 51575813.9/70

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 25495064.4/35

yield_bpm0l04X_mean vs Slug



Right In: -1.707+/-0.000 χ^2/NDF : 166125579390.4/16

Left Out: -2.761+/-0.000 χ^2/NDF : 8393667779.6/17

Right Out: -1.299+/-0.000 χ^2/NDF : 178036726841.2/18

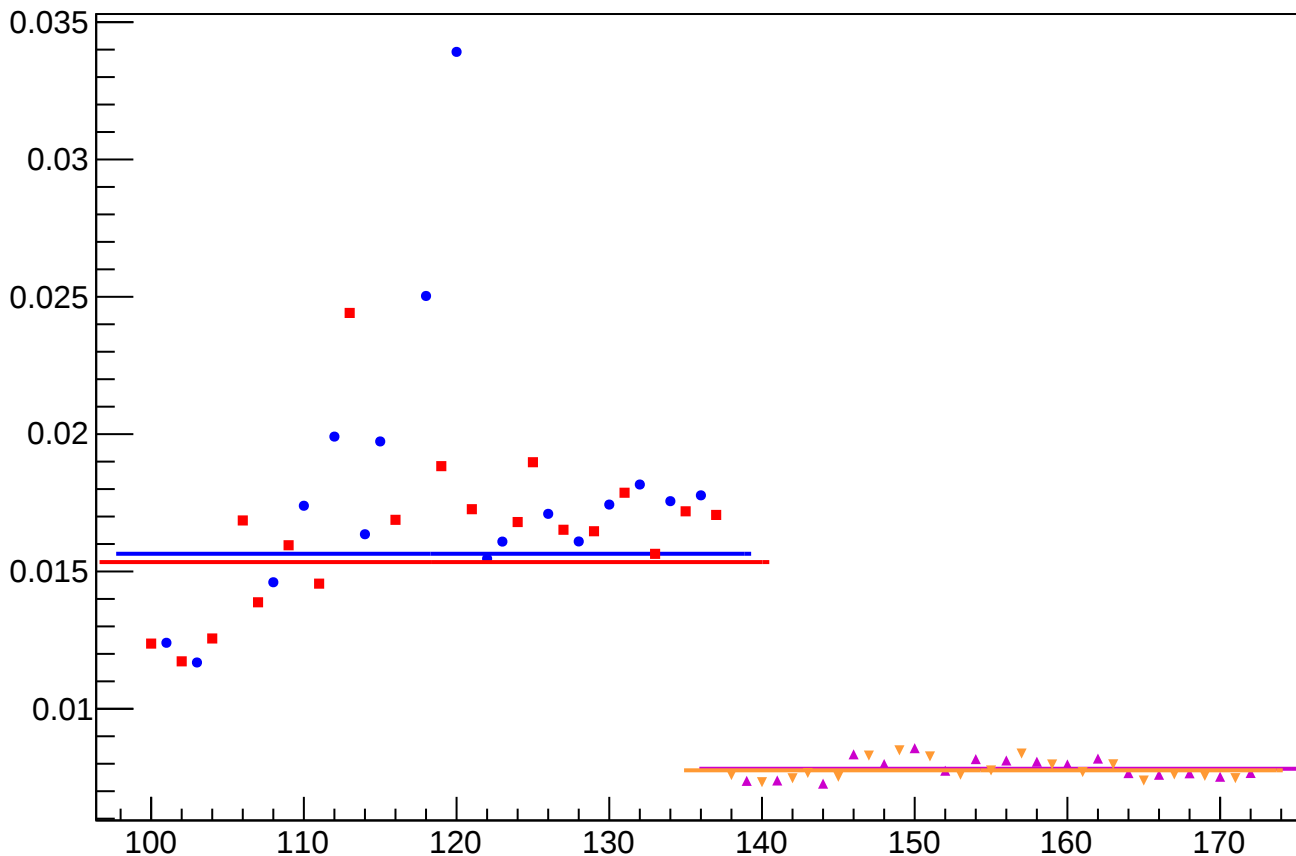
Left In: -2.751+/-0.000 χ^2/NDF : 7013345251.3/16

+ sign -2.659+/-0.000 χ^2/NDF : 197515408238.8/34

All: -2.623+/-0.000 χ^2/NDF : 432397080690.1

- sign -2.587+/-0.000 χ^2/NDF : 234270521097.8/35

yield_bpm0l04X_rms vs Slug



Right In: 0.016 $\pm$ 0.000 χ^2 /NDF: 578244.3/16

Left Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 49348.1/17

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 353806.7/18

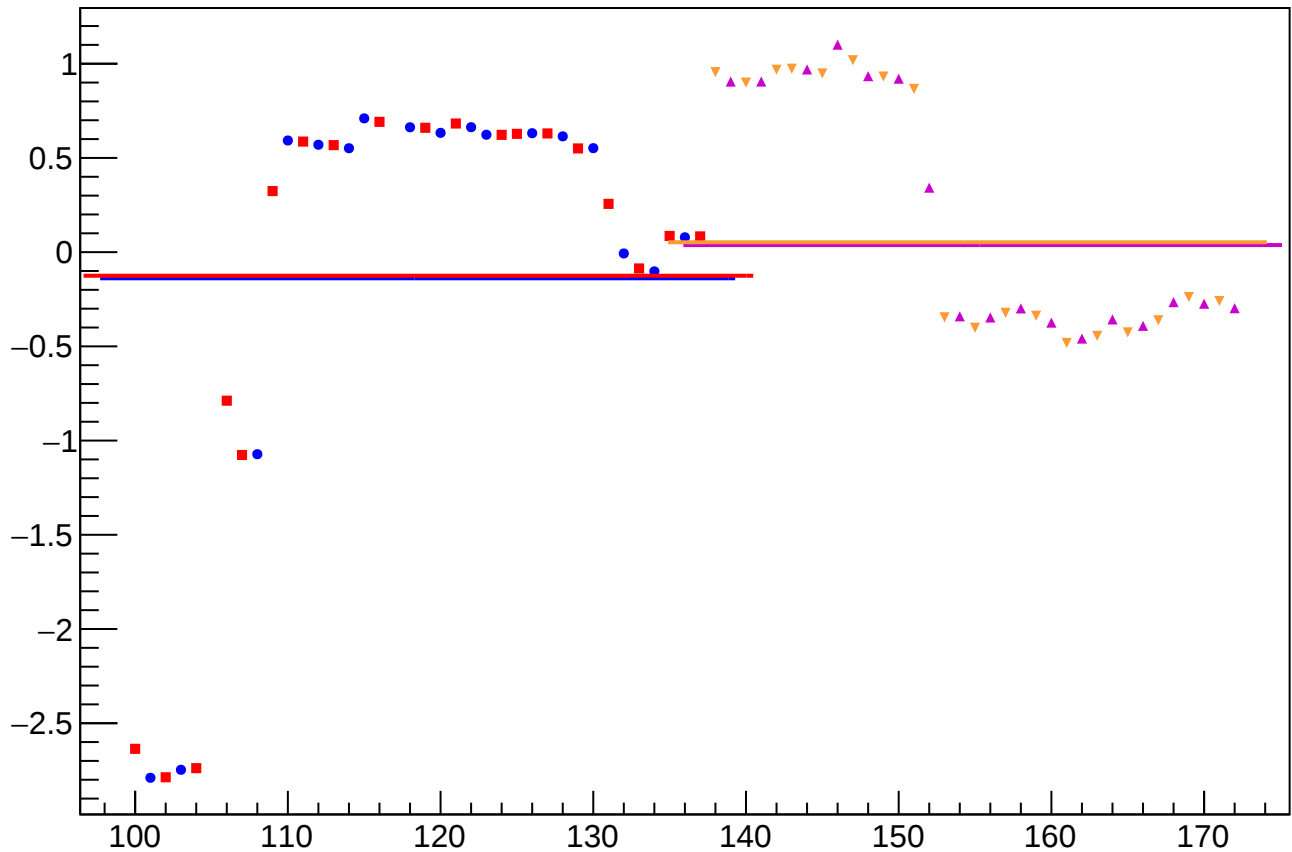
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 54166.0/16

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3199256.7/34

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6257595.5/70

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3053574.6/35

yield_bpm0l04Y_mean vs Slug



Right In: -0.139 ± 0.000 χ^2/NDF : 715049983856.2/16

Left Out: 0.052 ± 0.000 χ^2/NDF : 125331122700.3/17

Right Out: -0.125 ± 0.000 χ^2/NDF : 761496762534.7/18

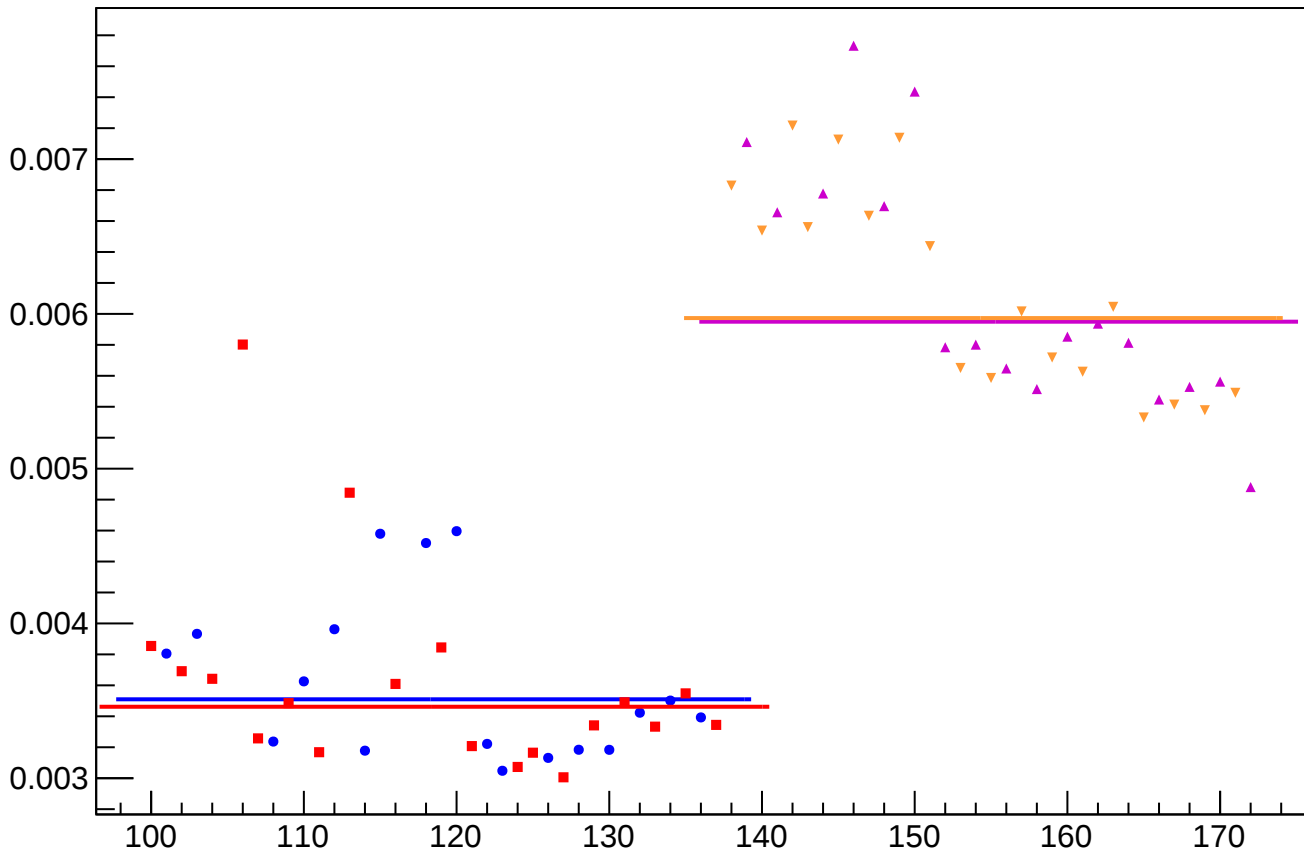
Left In: 0.038 ± 0.000 χ^2/NDF : 106966902268.8/16

+ sign -0.063 ± 0.000 χ^2/NDF : 847849359507.0/34

All: -0.063 ± 0.000 χ^2/NDF : 1721917126414

- sign -0.064 ± 0.000 χ^2/NDF : 874067138551.1/35

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 171337.9/16

Left Out: 0.006+/-0.000 χ^2/NDF : 237116.1/17

Right Out: 0.003+/-0.000 χ^2/NDF : 215974.1/18

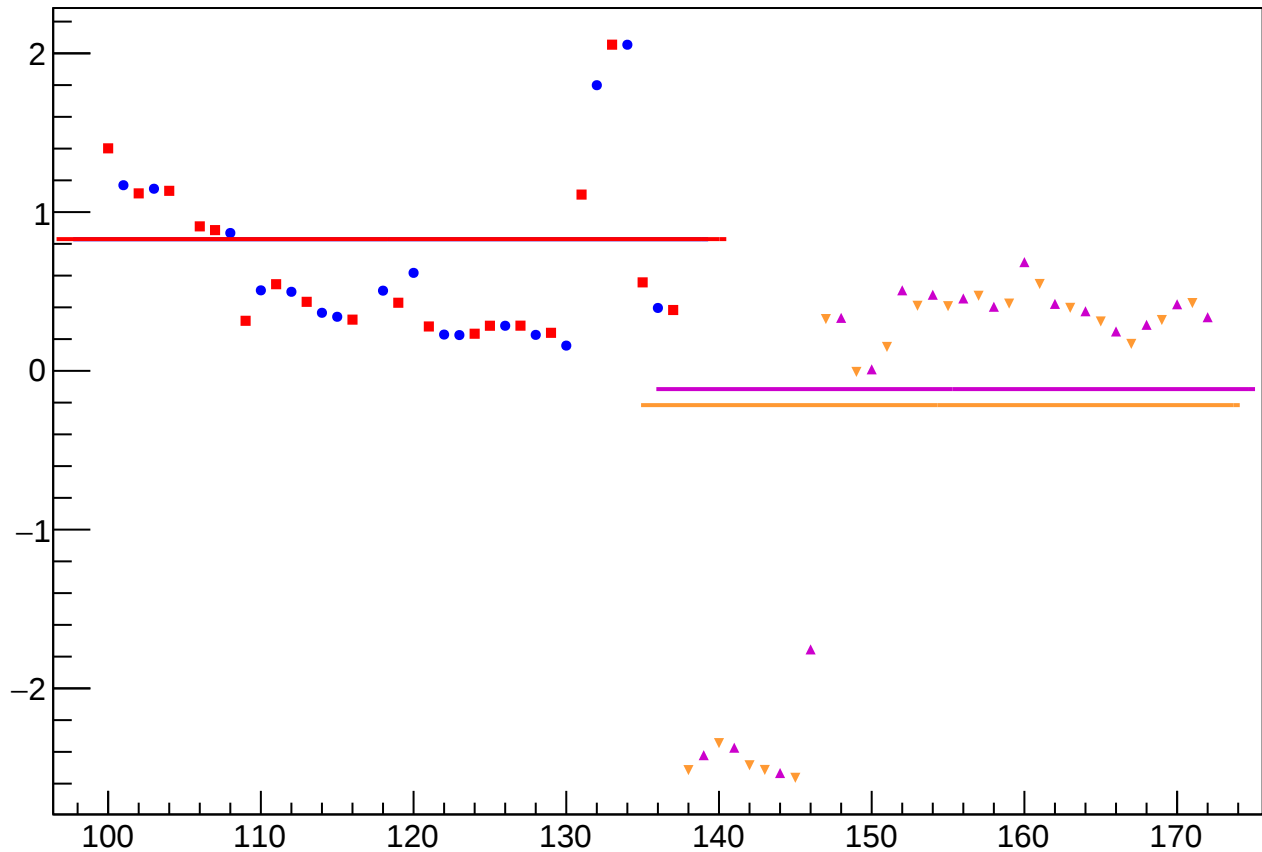
Left In: 0.006+/-0.000 χ^2/NDF : 328642.4/16

+ sign 0.004+/-0.000 χ^2/NDF : 2887500.9/34

All: 0.004+/-0.000 χ^2/NDF : 6058254.3/70

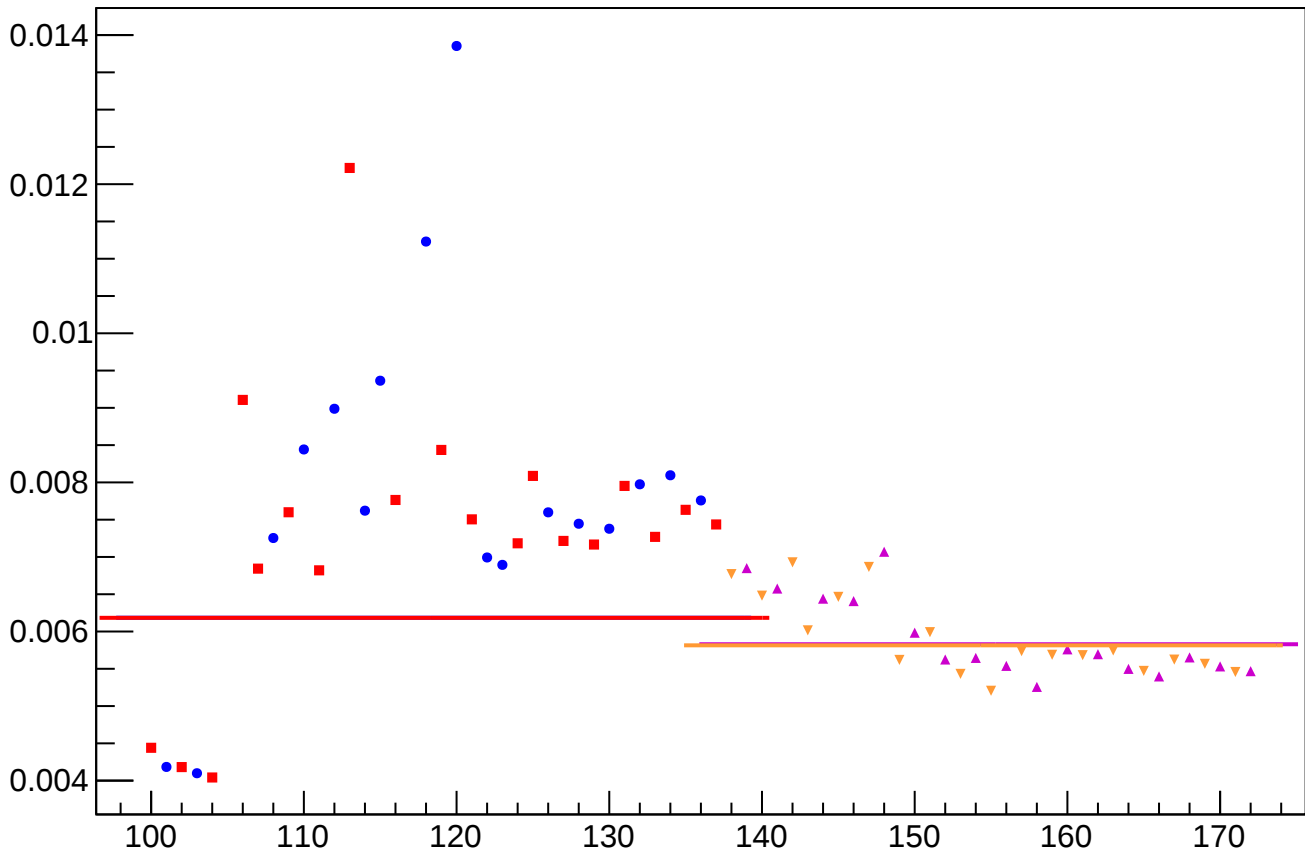
- sign 0.004+/-0.000 χ^2/NDF : 3163463.3/35

yield_bpm0l05X_mean vs Slug



Right In: 0.829+/-0.000	χ^2/NDF : 31718573821.2/16	+ sign 0.070+/-0.000	χ^2/NDF : 611847625370.0/34
Left Out: -0.216+/-0.000	χ^2/NDF : 469935645137.3/17	All: 0.117+/-0.000	χ^2/NDF : 1147194454220.0/35
Right Out: 0.830+/-0.000	χ^2/NDF : 33335665437.8/18	- sign 0.164+/-0.000	χ^2/NDF : 533082272741.4/35
Left In: -0.115+/-0.000	χ^2/NDF : 404210740426.0/16		

yield_bpm0l05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1228962.4/16

Left Out: 0.006+/-0.000 χ^2/NDF : 159749.4/17

Right Out: 0.006+/-0.000 χ^2/NDF : 1026836.0/18

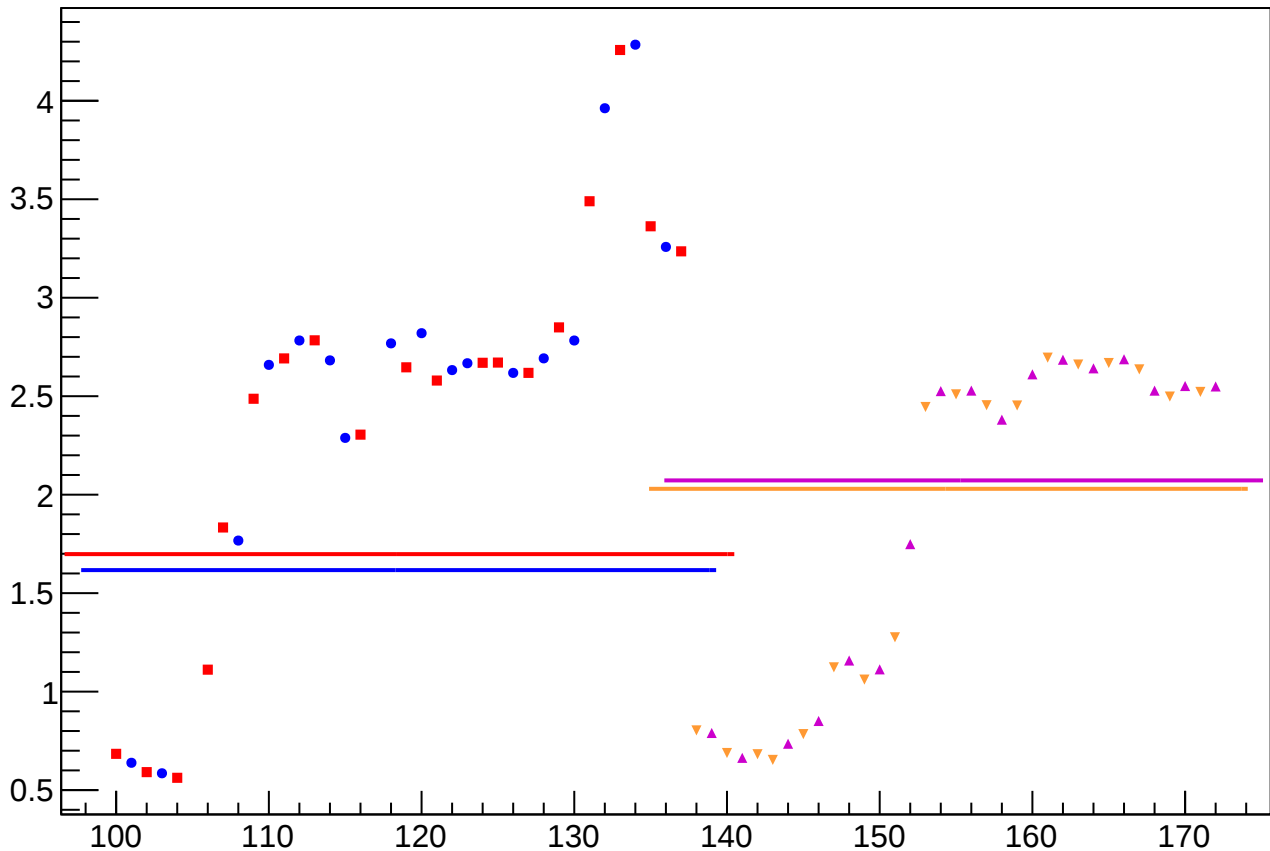
Left In: 0.006+/-0.000 χ^2/NDF : 172071.0/16

+ sign 0.006+/-0.000 χ^2/NDF : 1416360.9/34

All: 0.006+/-0.000 χ^2/NDF : 2642307.2/70

- sign 0.006+/-0.000 χ^2/NDF : 1225781.0/35

yield_bpm0l05Y_mean vs Slug



Right In: 1.617+/-0.000 χ^2/NDF : 202886791000.7/16

Left Out: 2.030+/-0.000 χ^2/NDF : 259166737171.9/17

Right Out: 1.698+/-0.000 χ^2/NDF : 227408345801.7/18

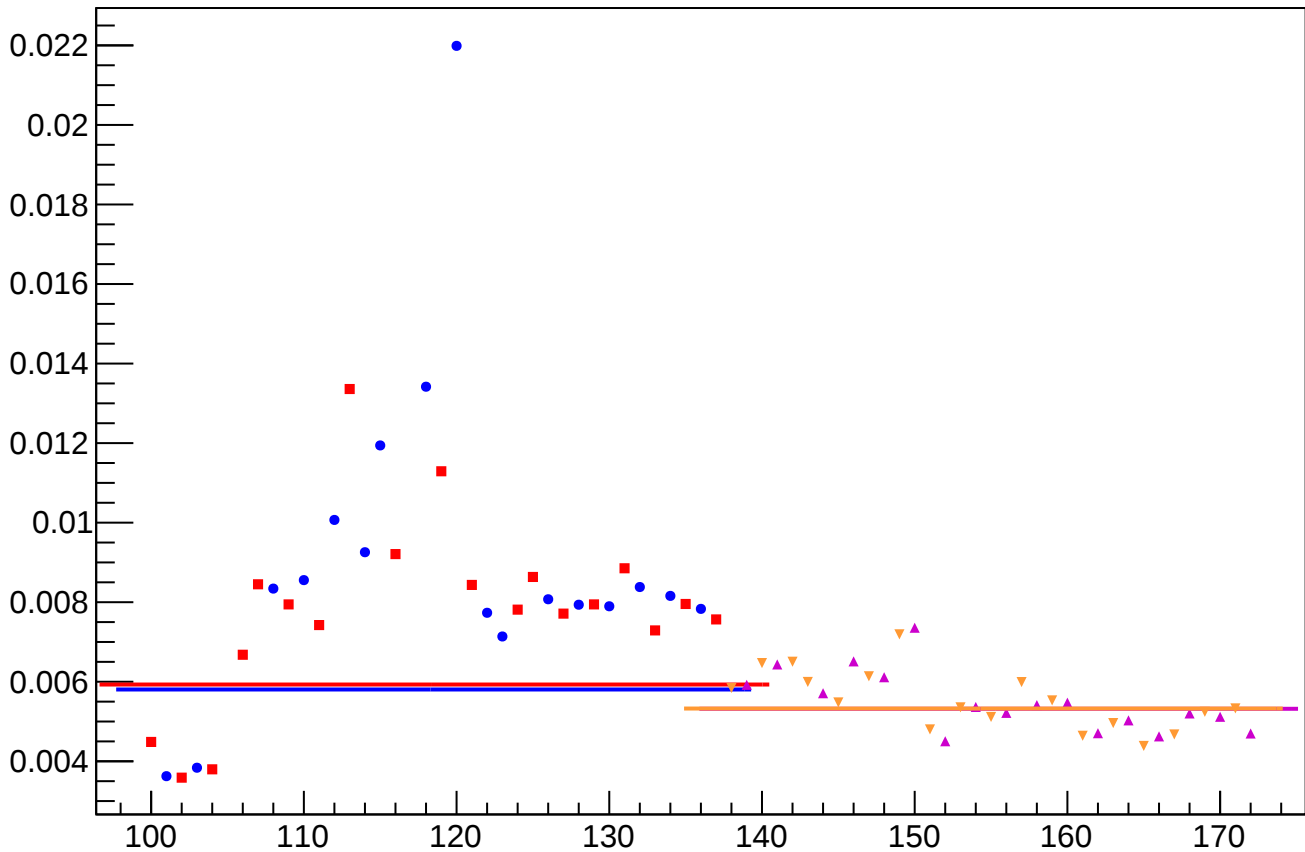
Left In: 2.072+/-0.000 χ^2/NDF : 228315880877.6/16

+ sign 1.924+/-0.000 χ^2/NDF : 480230165701.7/34

All: 1.949+/-0.000 χ^2/NDF : 952245475301.0

- sign 1.972+/-0.000 χ^2/NDF : 471364728605.8/35

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1917989.1/16

Left Out: 0.005+/-0.000 χ^2/NDF : 361446.5/17

Right Out: 0.006+/-0.000 χ^2/NDF : 1685563.6/18

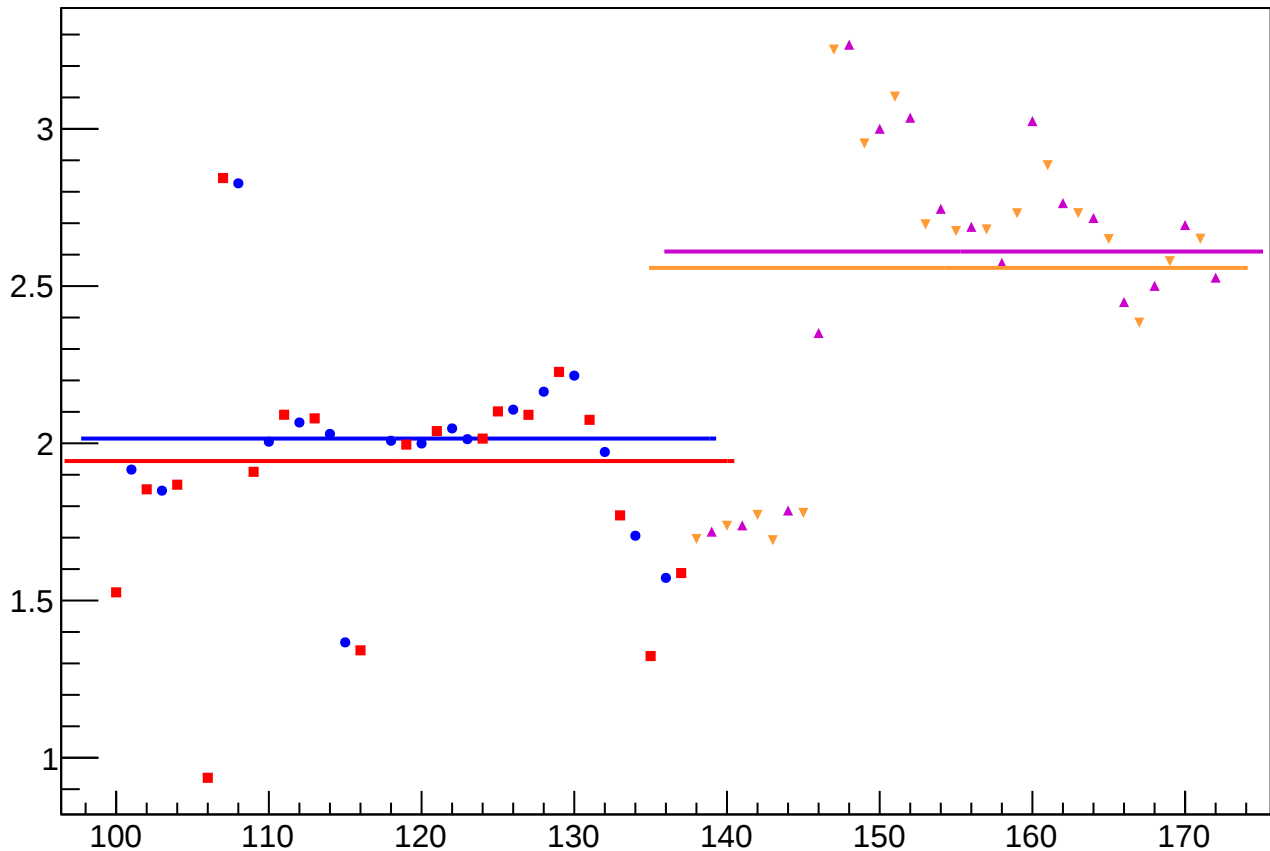
Left In: 0.005+/-0.000 χ^2/NDF : 372456.9/16

+ sign 0.005+/-0.000 χ^2/NDF : 2328370.0/34

All: 0.005+/-0.000 χ^2/NDF : 4470199.5/70

- sign 0.005+/-0.000 χ^2/NDF : 2141159.7/35

yield_bpm0l06X_mean vs Slug



Right In: 2.015+/-0.000 χ^2/NDF : 12228403202.6/16

Left Out: 2.558+/-0.000 χ^2/NDF : 48705166189.1/17

Right Out: 1.944+/-0.000 χ^2/NDF : 21427099579.0/18

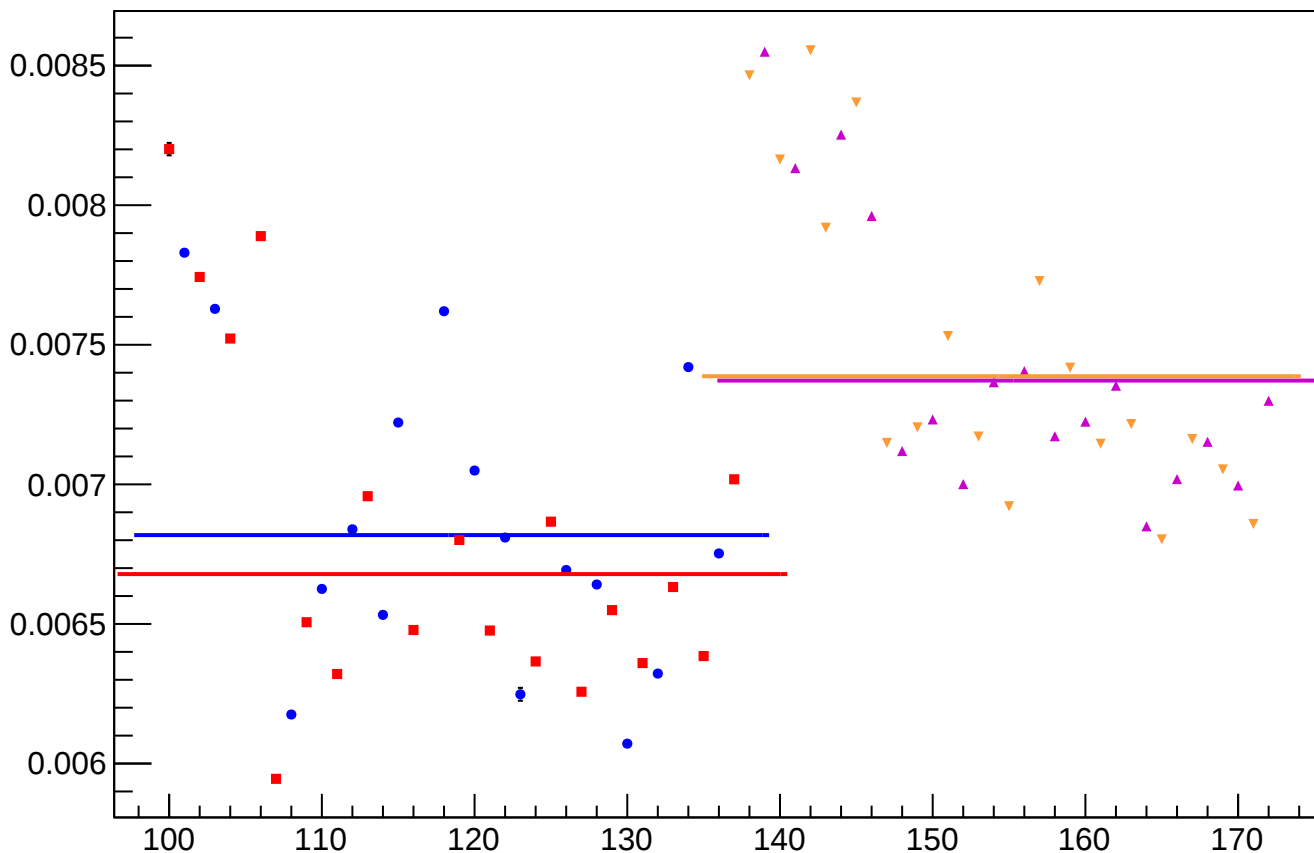
Left In: 2.610+/-0.000 χ^2/NDF : 41303234161.5/16

+ sign 2.357+/-0.000 χ^2/NDF : 86331315195.6/34

All: 2.351+/-0.000 χ^2/NDF : 189849444518.5

- sign 2.346+/-0.000 χ^2/NDF : 103493497095.2/35

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 75813.9/16

Left Out: 0.007+/-0.000 χ^2/NDF :115282.9/17

Right Out: 0.007+/-0.000 χ^2/NDF : 75718.4/18

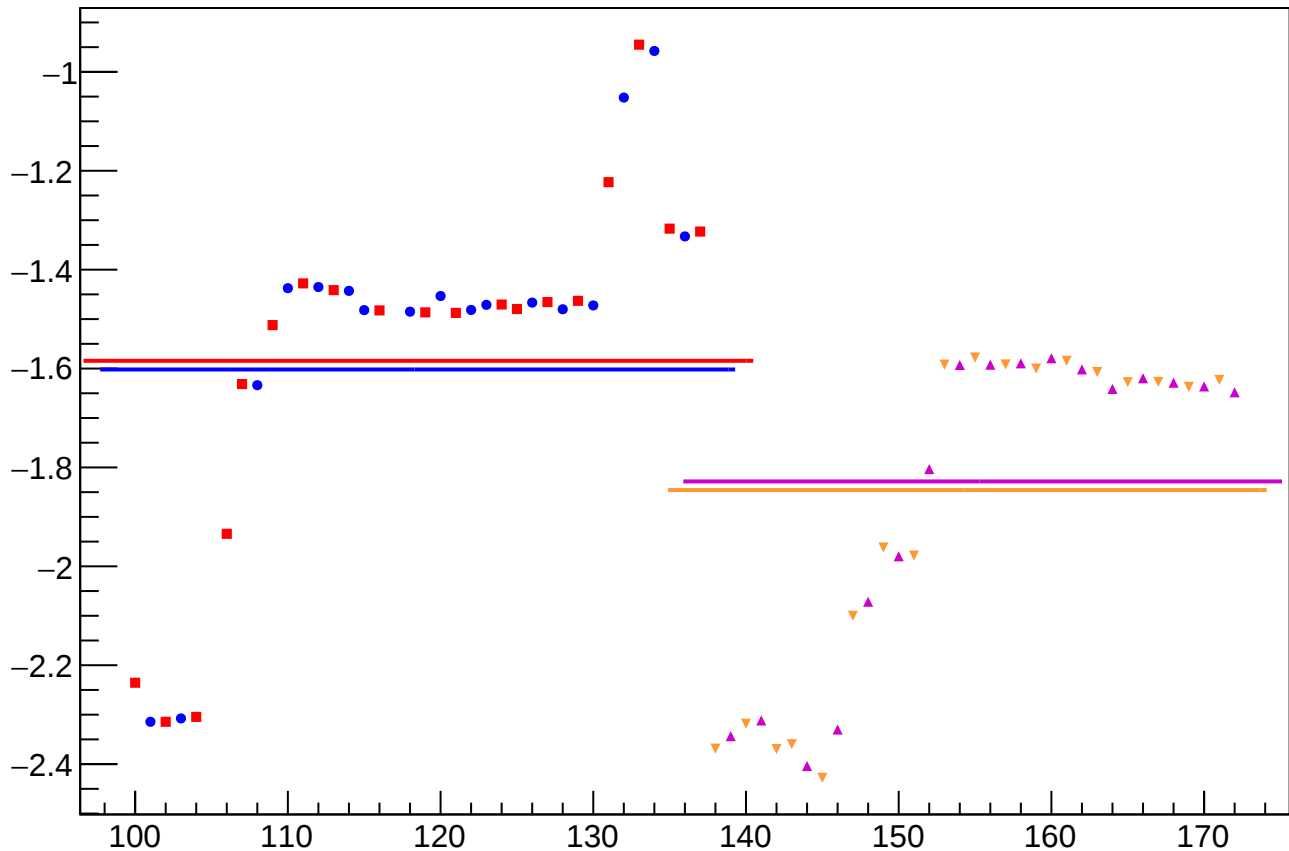
Left In: 0.007+/-0.000 χ^2/NDF :90442.8/16

+ sign 0.007+/-0.000 χ^2/NDF : 246938.3/34

All: 0.007+/-0.000 χ^2/NDF : 503732.6/70

- sign 0.007+/-0.000 χ^2/NDF : 254386.7/35

yield_bpm0l06Y_mean vs Slug



Right In: -1.602+/-0.000 χ^2/NDF : 140200656044.3/16

Left Out: -1.846+/-0.000 χ^2/NDF : 168283272327.9/17

Right Out: -1.584+/-0.000 χ^2/NDF : 143578606614.3/18

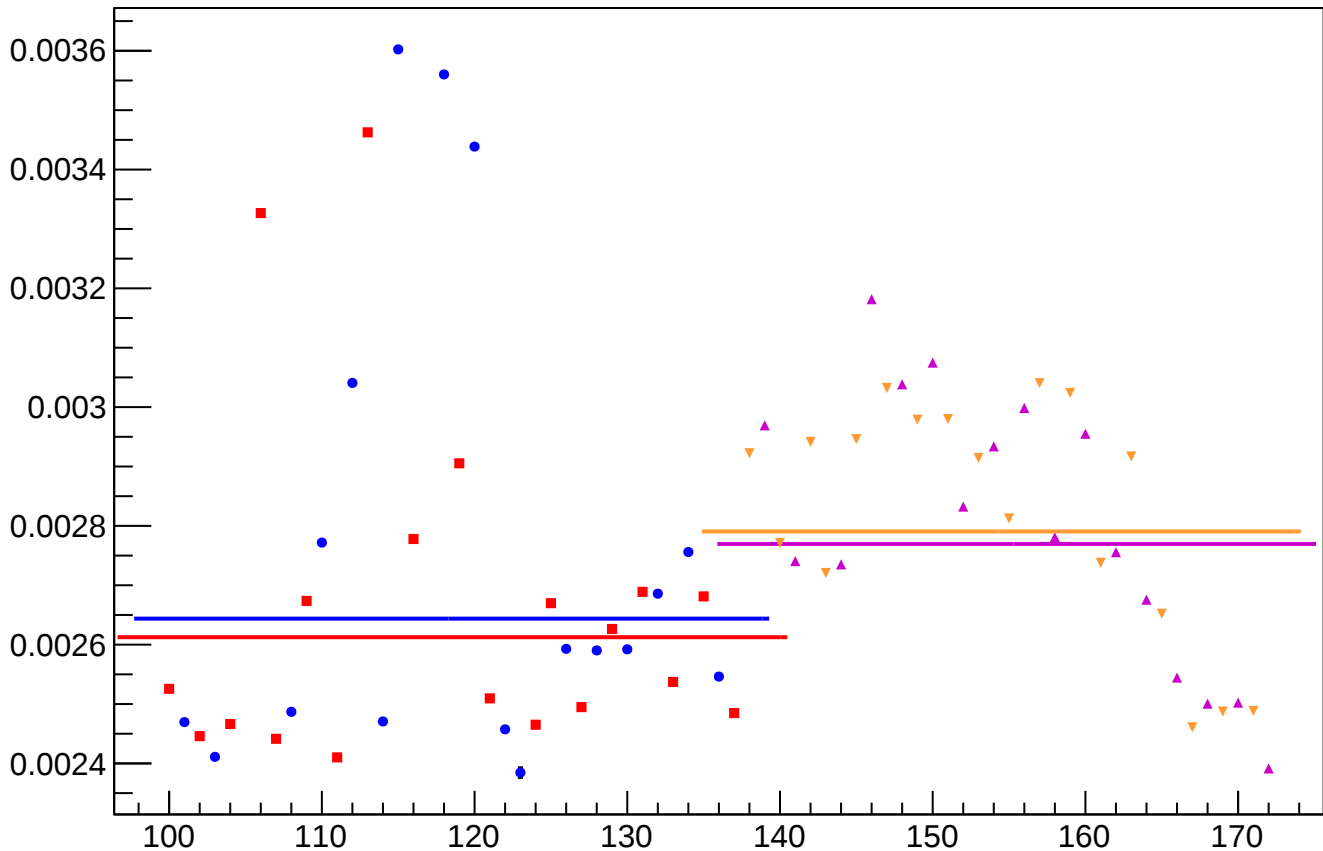
Left In: -1.828+/-0.000 χ^2/NDF : 150968496581.3/16

+ sign -1.759+/-0.000 χ^2/NDF : 342891865428.6/34

All: -1.748+/-0.000 χ^2/NDF : 674487169444.7

- sign -1.737+/-0.000 χ^2/NDF : 330972480859.6/35

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 151383.5/16

Left Out: 0.003+/-0.000 χ^2/NDF :132516.0/17

Right Out: 0.003+/-0.000 χ^2/NDF : 105296.2/18

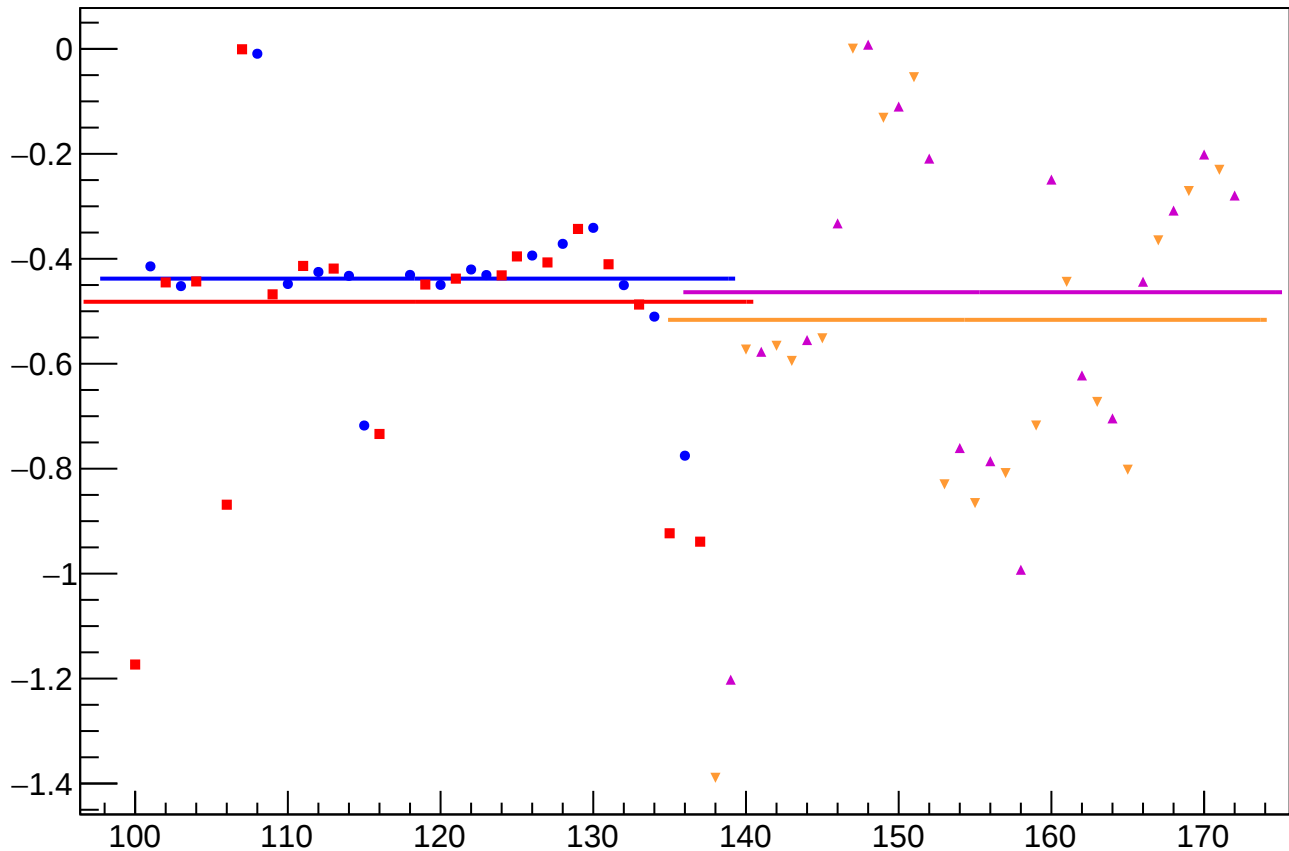
Left In: 0.003+/-0.000 χ^2/NDF :159898.1/16

+ sign 0.003+/-0.000 χ^2/NDF : 308842.2/34

All: 0.003+/-0.000 χ^2/NDF : 606174.7/70

- sign 0.003+/-0.000 χ^2/NDF : 295377.1/35

yield_bpm0l07X_mean vs Slug



Right In: -0.438+/-0.000 χ^2/NDF : 1462454117.6/16

Left Out: -0.516+/-0.000 χ^2/NDF : 8927582865.6/17

Right Out: -0.482+/-0.000 χ^2/NDF : 2694625740.7/18

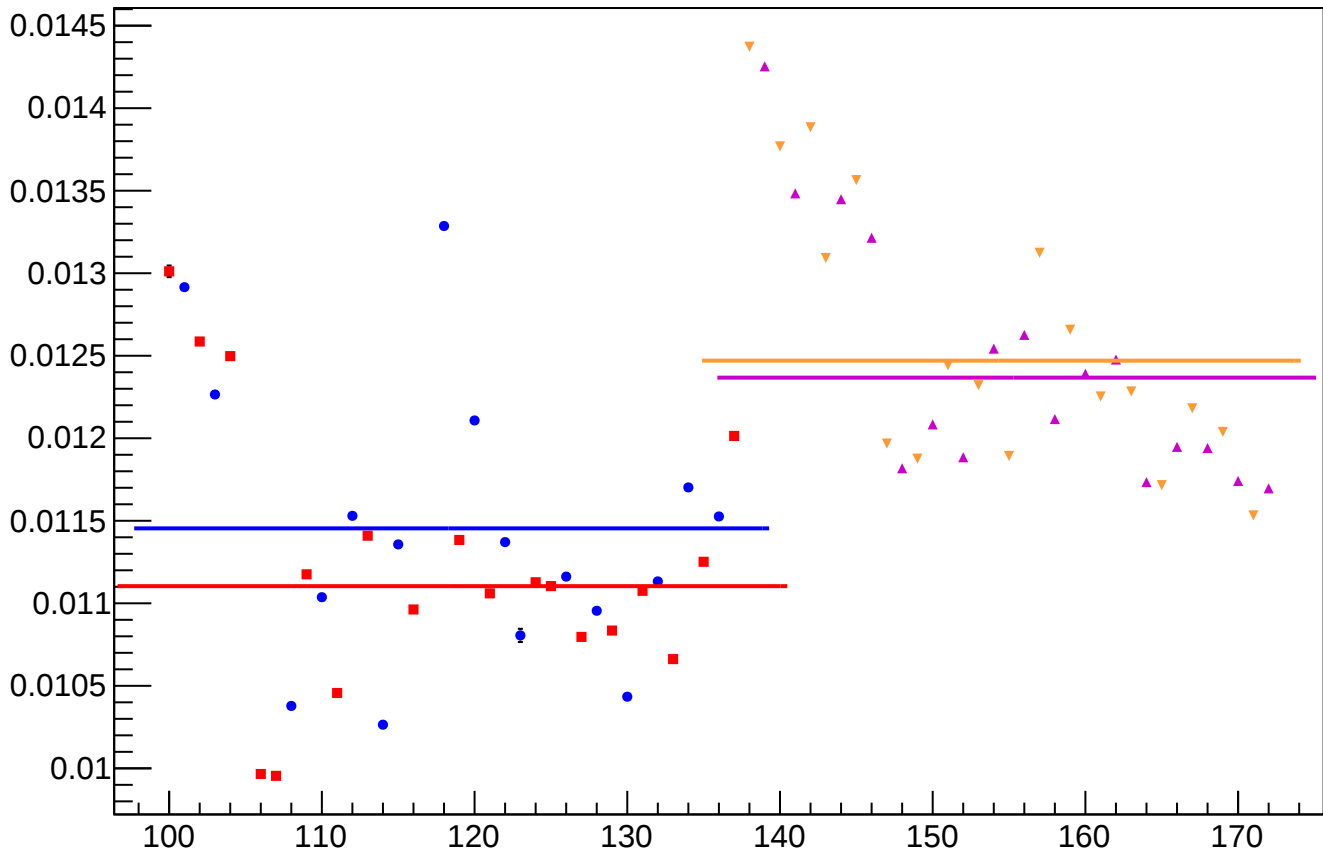
Left In: -0.464+/-0.000 χ^2/NDF : 7964658856.2/16

+ sign -0.487+/-0.000 χ^2/NDF : 10580223497.8/34

All: -0.479+/-0.000 χ^2/NDF : 21267358184.9

- sign -0.471+/-0.000 χ^2/NDF : 10670359608.0/35

yield_bpm0l07X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 64687.8/16

Left Out: 0.012+/-0.000 χ^2/NDF : 89761.0/17

Right Out: 0.011+/-0.000 χ^2/NDF : 56045.0/18

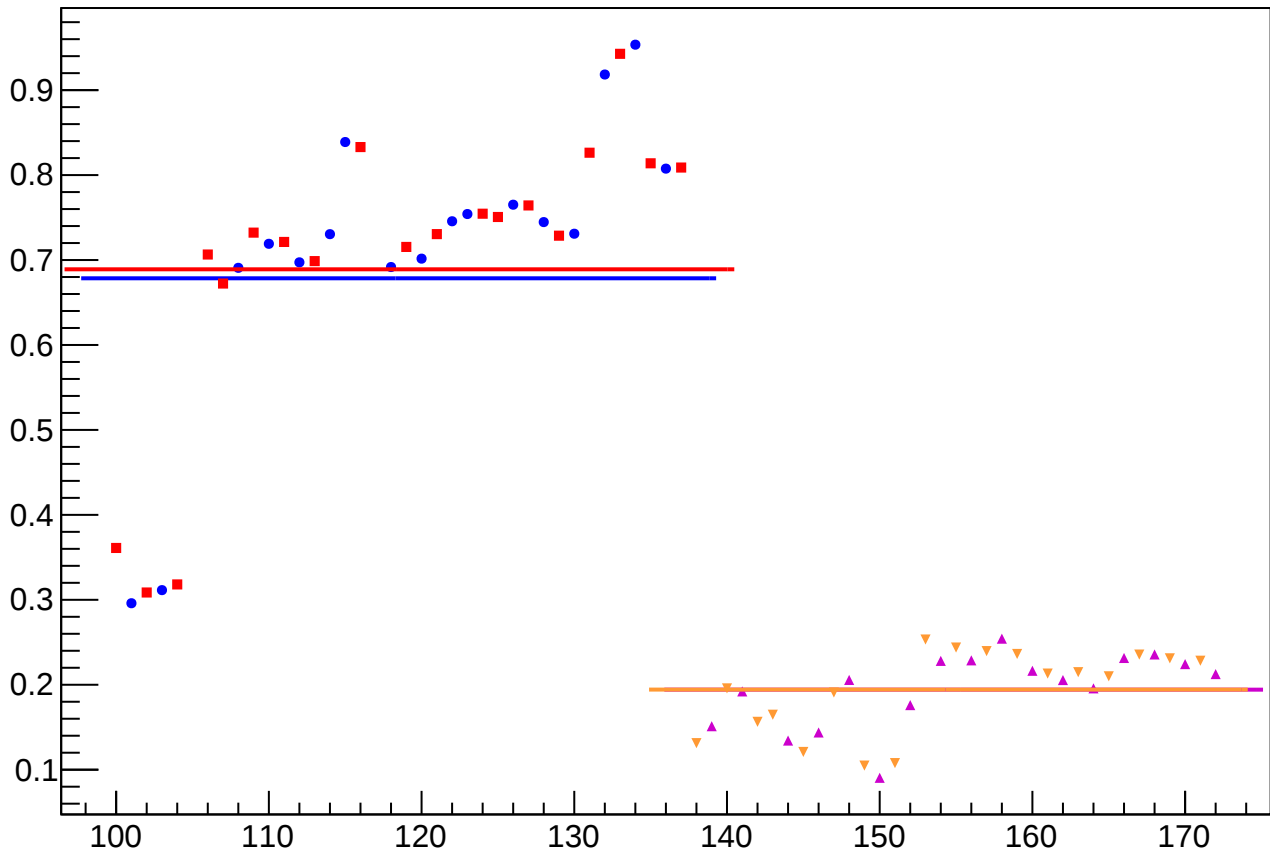
Left In: 0.012+/-0.000 χ^2/NDF : 74573.5/16

+ sign 0.012+/-0.000 χ^2/NDF : 218102.7/34

All: 0.012+/-0.000 χ^2/NDF : 462794.2/70

- sign 0.012+/-0.000 χ^2/NDF : 237225.6/35

yield_bpm0l07Y_mean vs Slug



Right In: 0.678 $\pm$ 0.000 χ^2 /NDF: 38506442638.3/16

Left Out: 0.194 $\pm$ 0.000 χ^2 /NDF: 6498223030.4/17

+ sign 0.324 $\pm$ 0.000 χ^2 /NDF: 219380032659.4/34

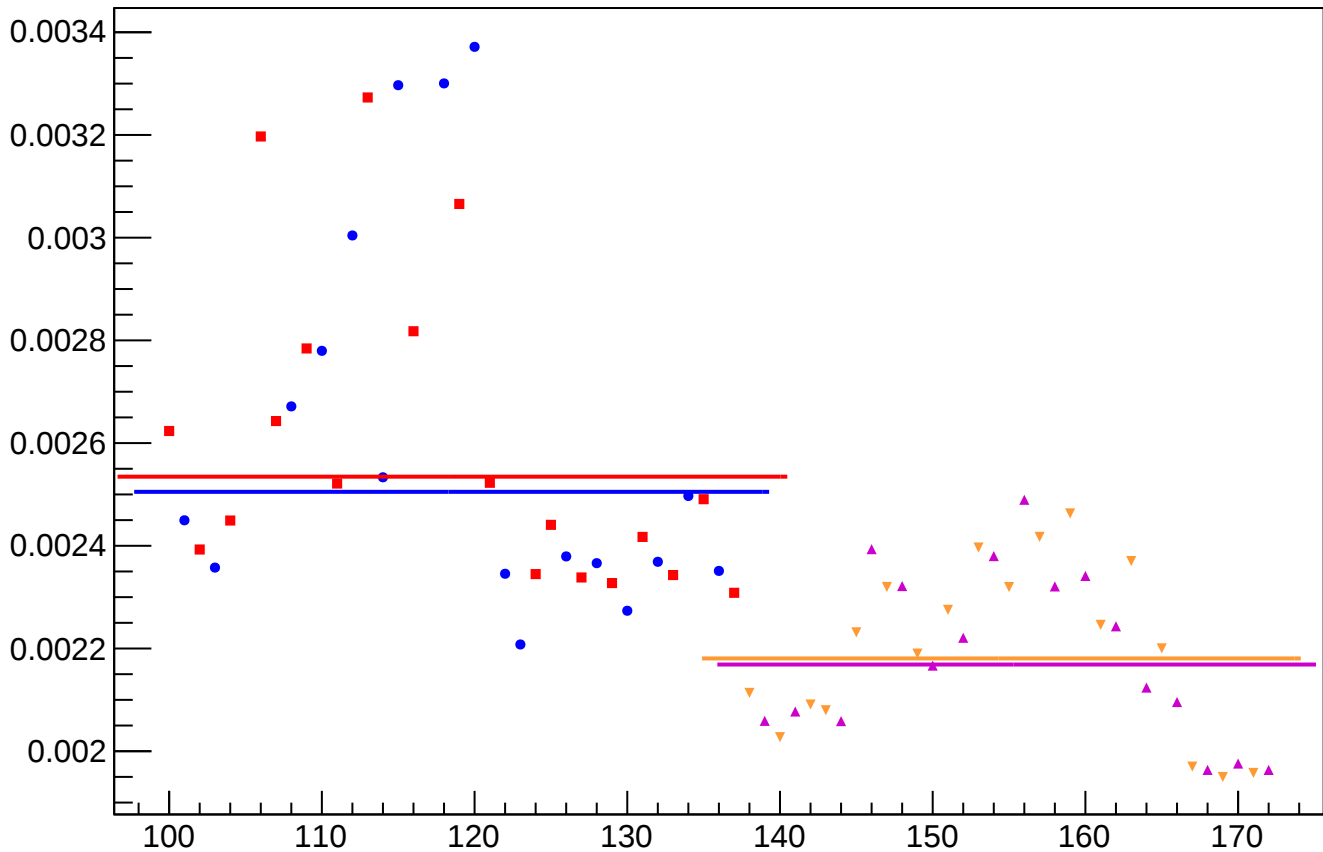
Right Out: 0.689 $\pm$ 0.000 χ^2 /NDF: 35358596931.1/18

All: 0.327 $\pm$ 0.000 χ^2 /NDF: 445391604920.3

Left In: 0.194 $\pm$ 0.000 χ^2 /NDF: 5161546800.7/16

- sign 0.330 $\pm$ 0.000 χ^2 /NDF: 225940347254.3/35

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 175524.0/16

Left Out: 0.002+/-0.000 χ^2/NDF :149774.2/17

Right Out: 0.003+/-0.000 χ^2/NDF : 131609.0/18

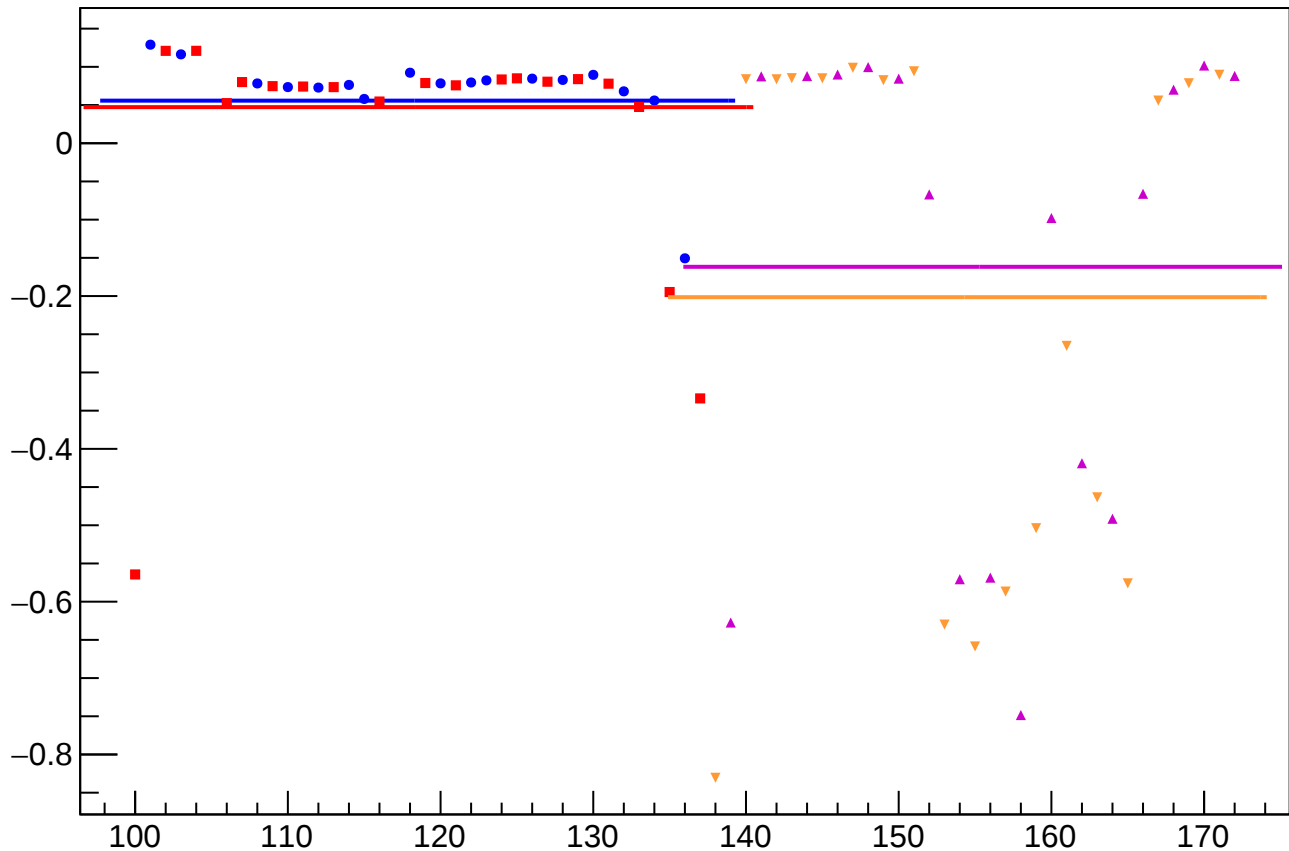
Left In: 0.002+/-0.000 χ^2/NDF :140378.1/16

+ sign 0.002+/-0.000 χ^2/NDF : 481914.8/34

All: 0.002+/-0.000 χ^2/NDF : 956556.7/70

- sign 0.002+/-0.000 χ^2/NDF : 474630.9/35

yield_bpm0l08X_mean vs Slug



Right In: 0.056+/-0.000 χ^2/NDF : 423003688.1/16

Left Out: -0.201+/-0.000 χ^2/NDF : 11080972215.0/17

Right Out: 0.047+/-0.000 χ^2/NDF : 819588537.2/18

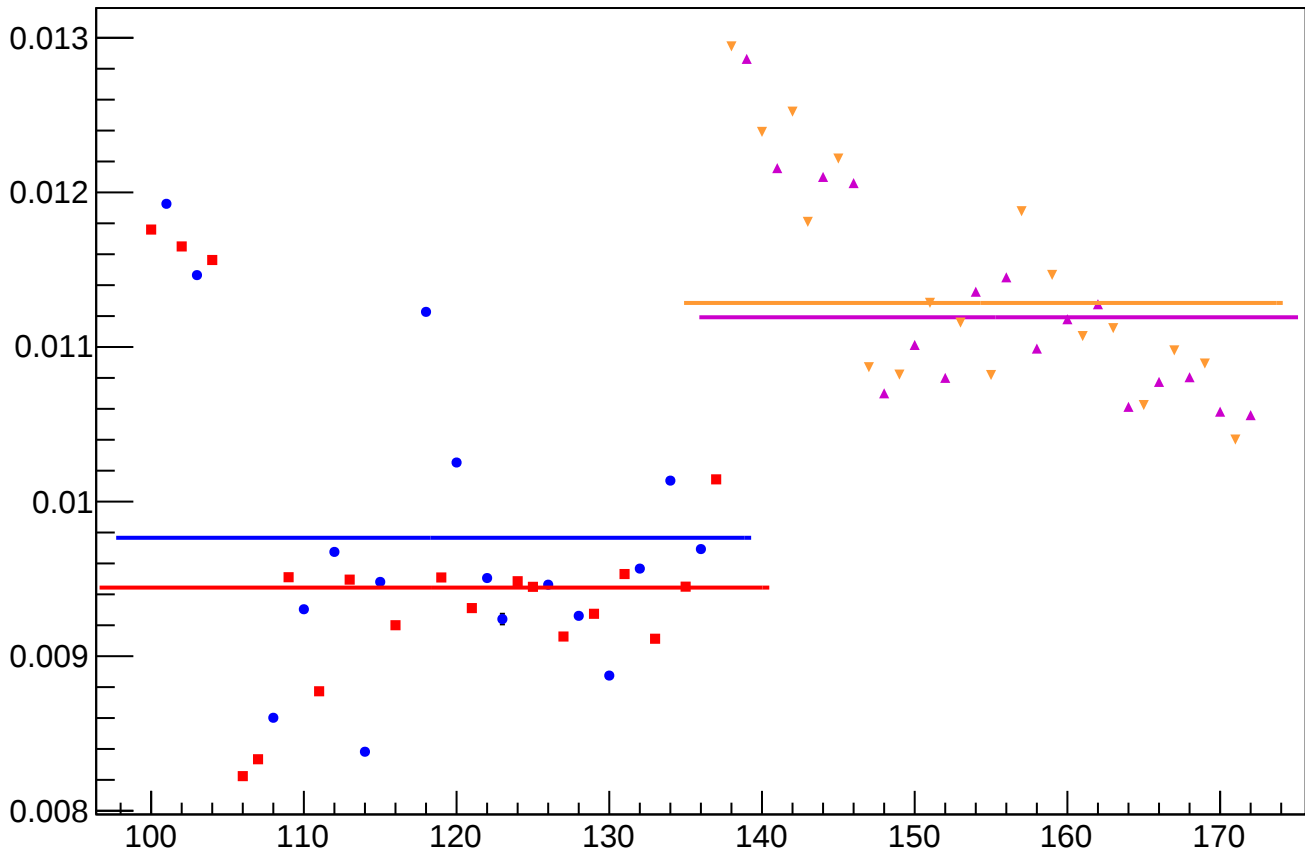
Left In: -0.162+/-0.000 χ^2/NDF : 9323287311.8/16

+ sign -0.098+/-0.000 χ^2/NDF : 14175606915.6/34

All: -0.084+/-0.000 χ^2/NDF : 26291366886.1/35

- sign -0.071+/-0.000 χ^2/NDF : 12050722837.2/35

yield_bpm0l08X_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 116638.3/16

Left Out: 0.011+/-0.000 χ^2/NDF : 84050.7/17

Right Out: 0.009+/-0.000 χ^2/NDF : 110693.8/18

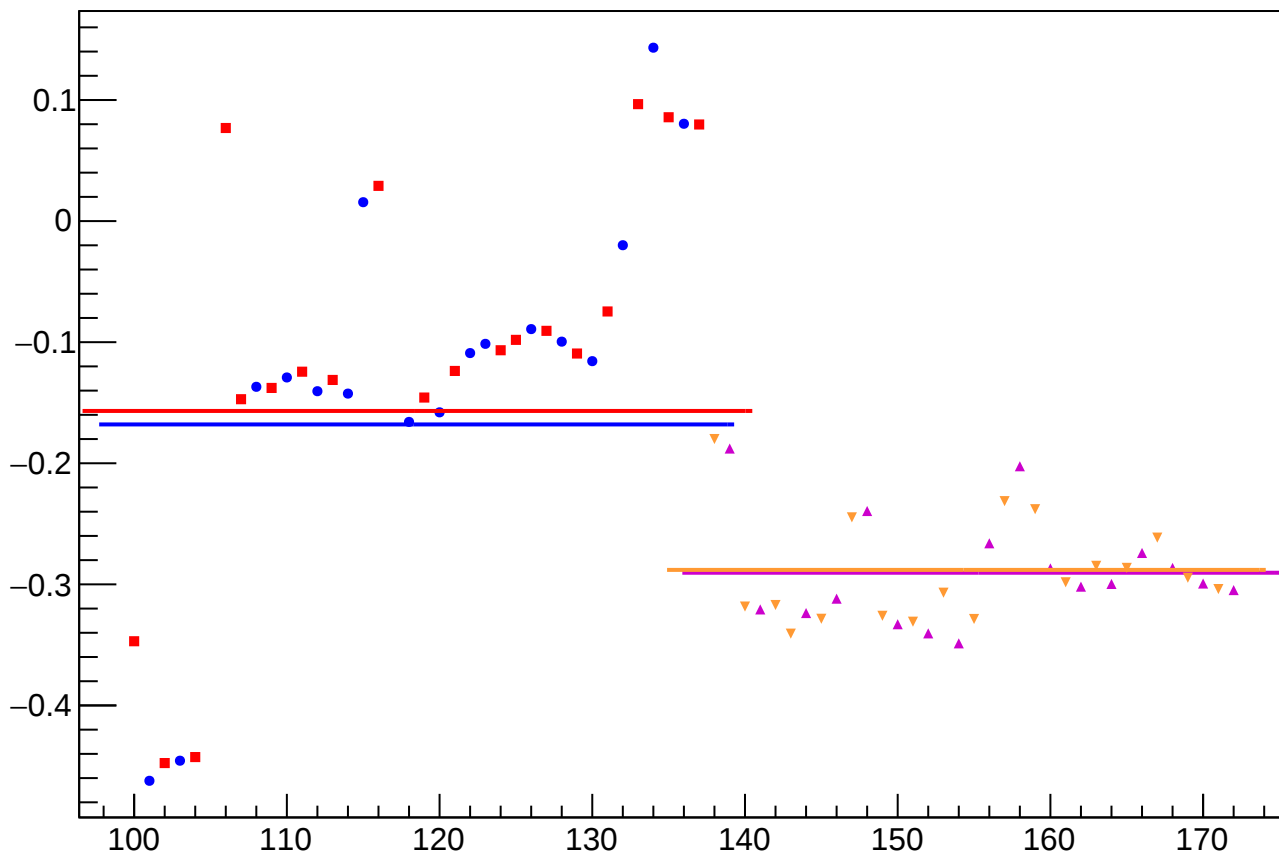
Left In: 0.011+/-0.000 χ^2/NDF : 73560.3/16

+ sign 0.011+/-0.000 χ^2/NDF : 386992.8/34

All: 0.011+/-0.000 χ^2/NDF : 848662.8/70

- sign 0.010+/-0.000 χ^2/NDF : 451396.3/35

yield_bpm0l08Y_mean vs Slug



Right In: -0.168+/-0.000 χ^2/NDF : 12331812610.6/16

Left Out: -0.288+/-0.000 χ^2/NDF : 2807017606.8/17

Right Out: -0.157+/-0.000 χ^2/NDF : 11026962470.3/18

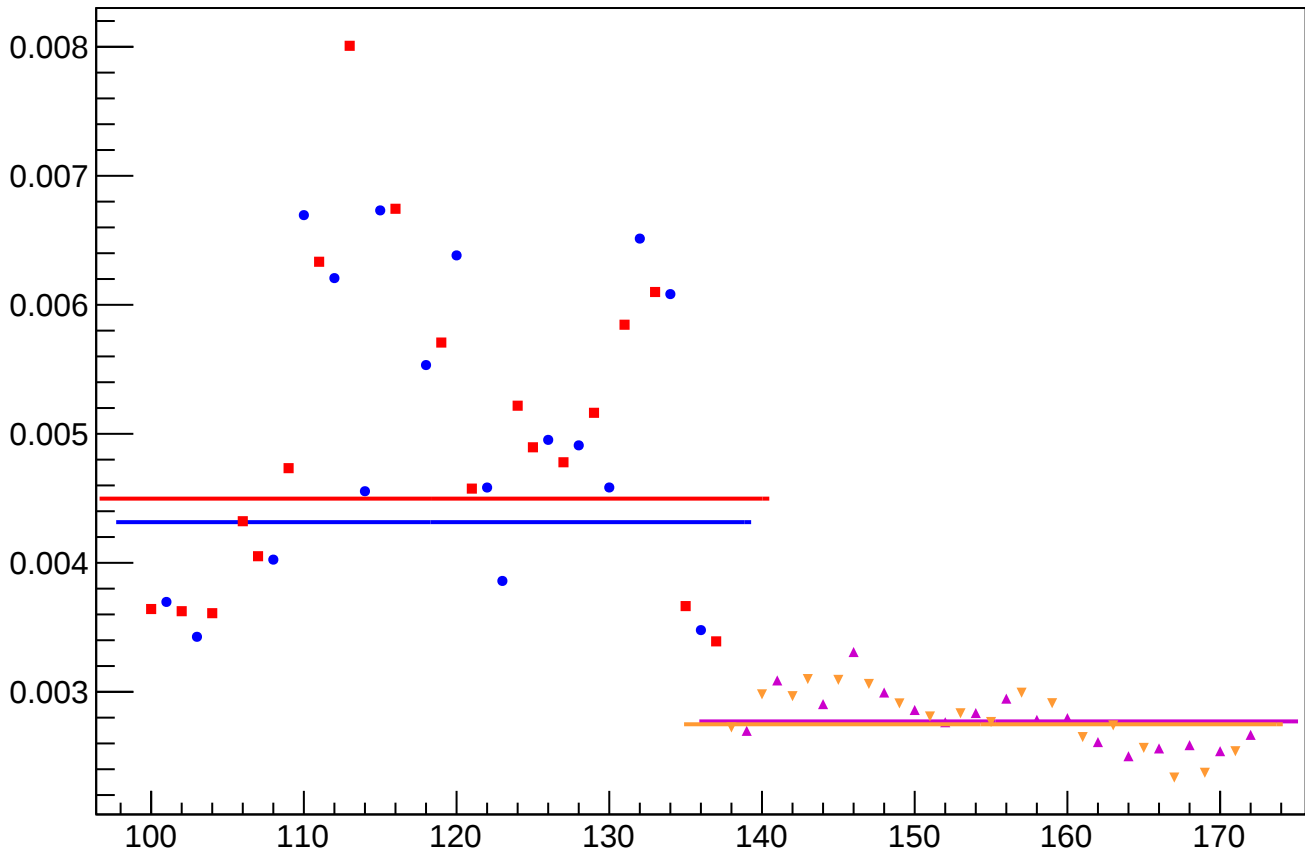
Left In: -0.290+/-0.000 χ^2/NDF : 3114221622.7/16

+ sign -0.269+/-0.000 χ^2/NDF : 18939326721.8/34

All: -0.269+/-0.000 χ^2/NDF : 37700820679.7

- sign -0.269+/-0.000 χ^2/NDF : 18761479885.4/35

yield_bpm0l08Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 619744.7/16

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:189394.2/17

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 649708.4/18

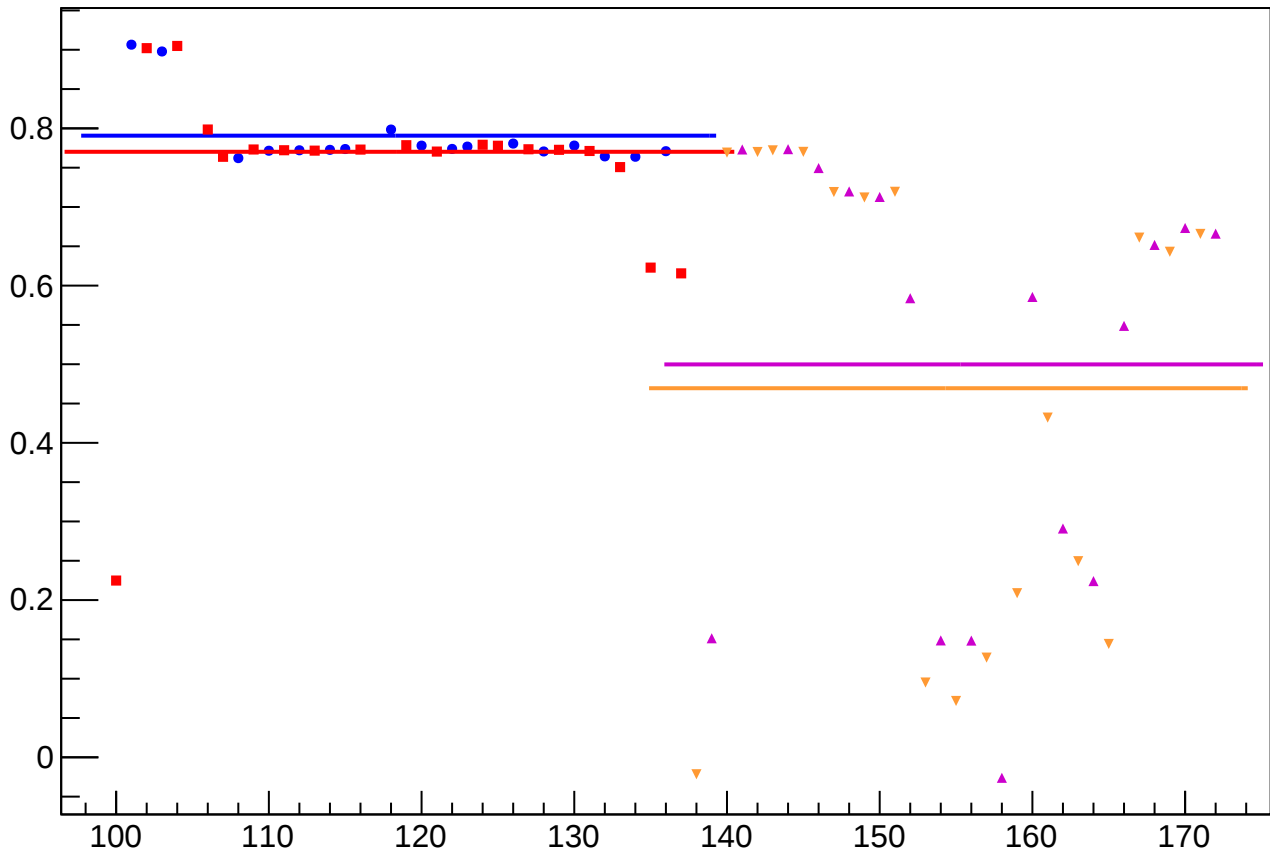
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:123904.7/16

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2102119.7/34

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 4424487.6/70

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2317045.3/35

yield_bpm0l09X_mean vs Slug



Right In: 0.791 $\pm$ 0.000 χ^2 /NDF: 106705767.1/16

Left Out: 0.469 $\pm$ 0.000 χ^2 /NDF: 8552585912.5/17

Right Out: 0.770 $\pm$ 0.000 χ^2 /NDF: 375442189.7/18

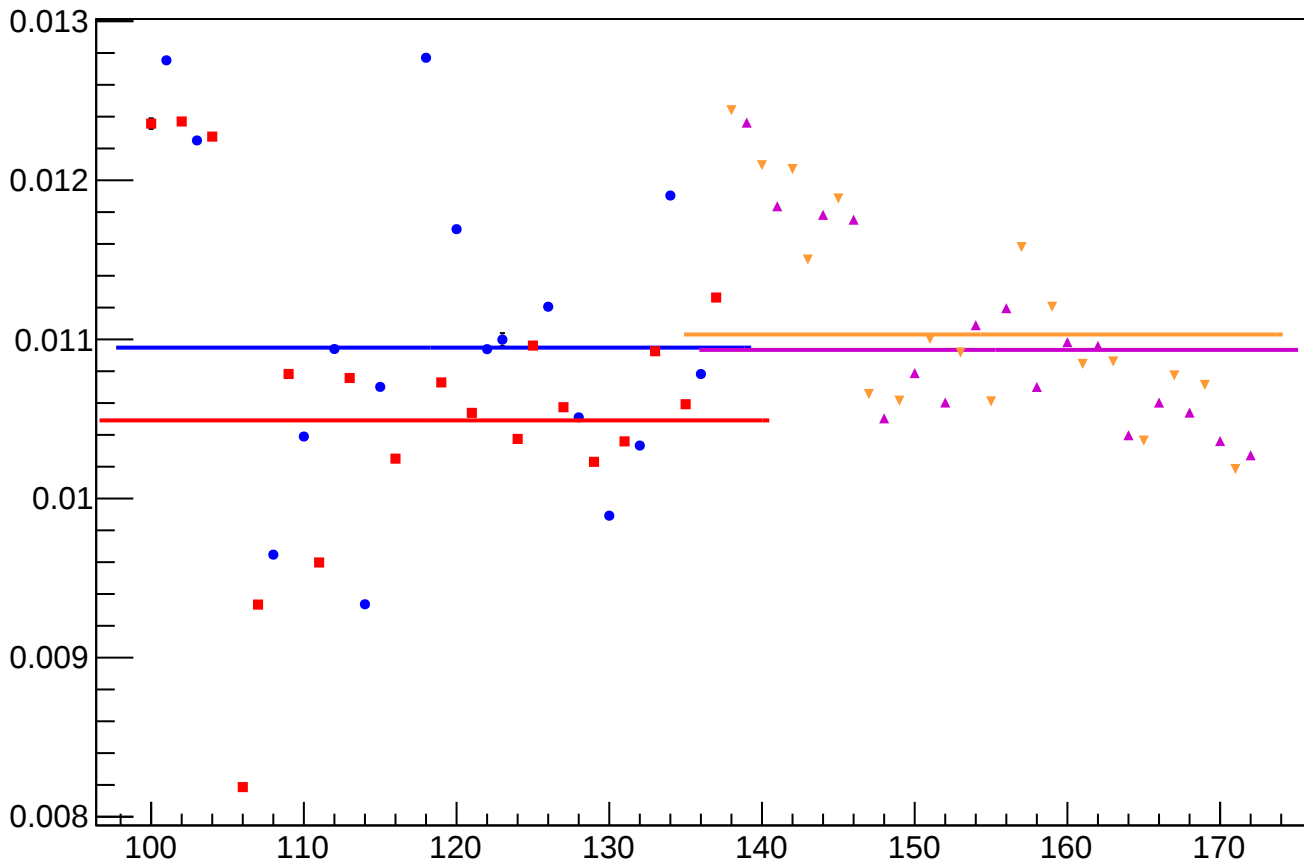
Left In: 0.500 $\pm$ 0.000 χ^2 /NDF: 7245281001.6/16

+ sign 0.578 $\pm$ 0.000 χ^2 /NDF: 12338441949.7/34

All: 0.589 $\pm$ 0.000 χ^2 /NDF: 22880118624.5/35

- sign 0.600 $\pm$ 0.000 χ^2 /NDF: 10499262711.1/35

yield_bpm0l09X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 98551.4/16

Left Out: 0.011+/-0.000 χ^2/NDF : 73353.8/17

Right Out: 0.010+/-0.000 χ^2/NDF : 119420.8/18

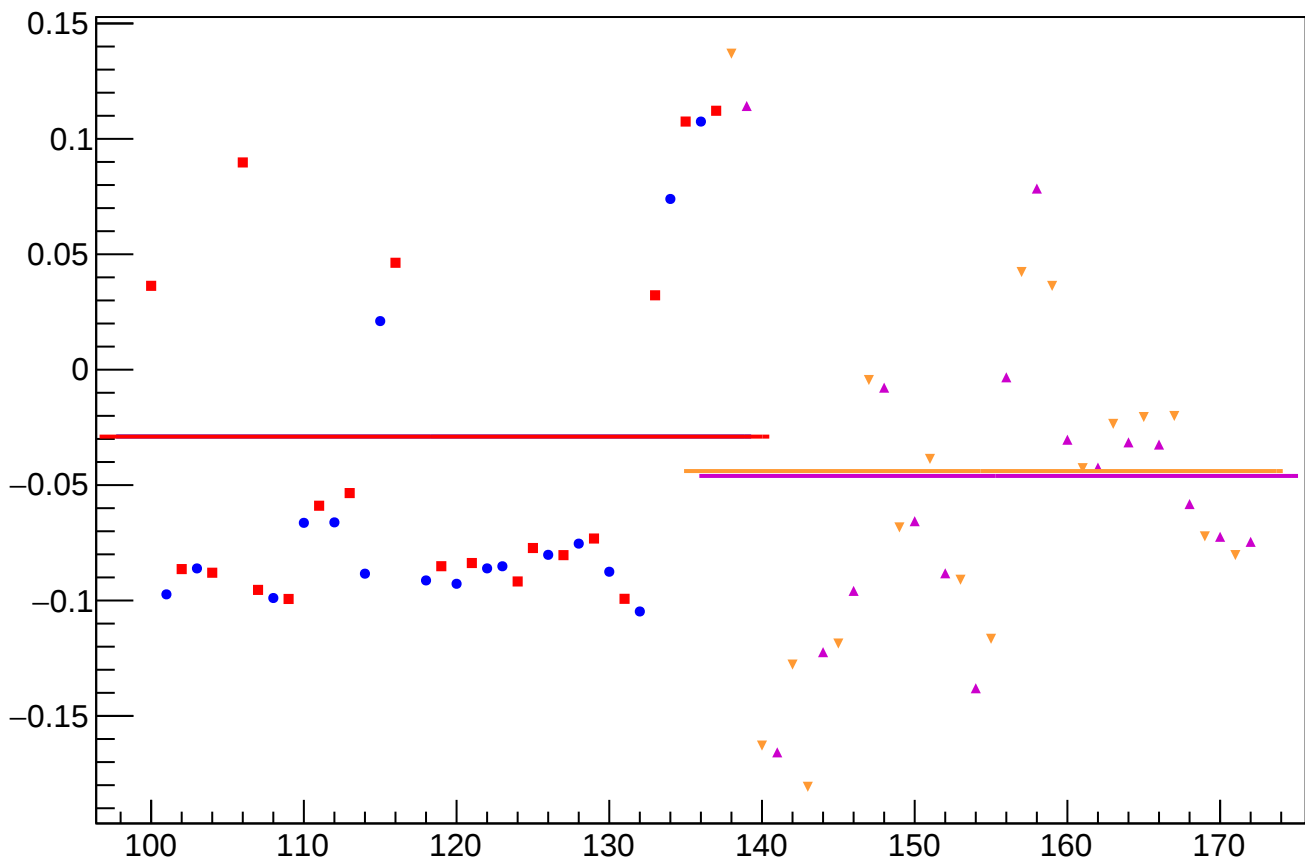
Left In: 0.011+/-0.000 χ^2/NDF : 65855.6/16

+ sign 0.011+/-0.000 χ^2/NDF : 172391.7/34

All: 0.011+/-0.000 χ^2/NDF : 382106.3/70

- sign 0.011+/-0.000 χ^2/NDF : 200737.9/35

yield_bpm0l09Y_mean vs Slug



Right In: -0.029+/-0.000 χ^2/NDF : 2445975608.2/16

Left Out: -0.044+/-0.000 χ^2/NDF : 6988308362.3/17

Right Out: -0.029+/-0.000 χ^2/NDF : 2113349669.8/18

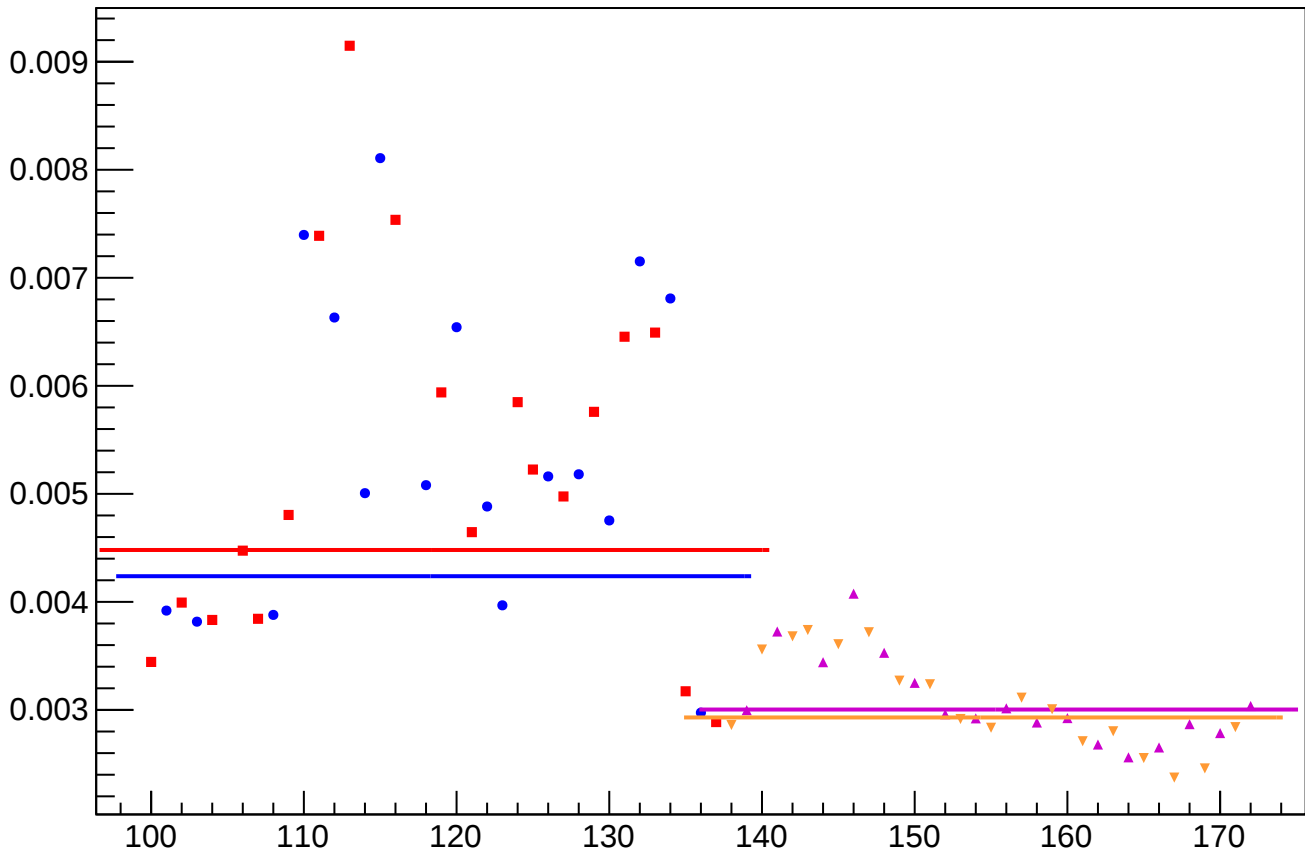
Left In: -0.046+/-0.000 χ^2/NDF : 6009801563.8/16

+ sign -0.041+/-0.000 χ^2/NDF : 9490701483.2/34

All: -0.042+/-0.000 χ^2/NDF : 17685863309.5/35

- sign -0.043+/-0.000 χ^2/NDF : 8192698186.5/35

yield_bpm0l09Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 881584.1/16

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 461286.9/17

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 984186.1/18

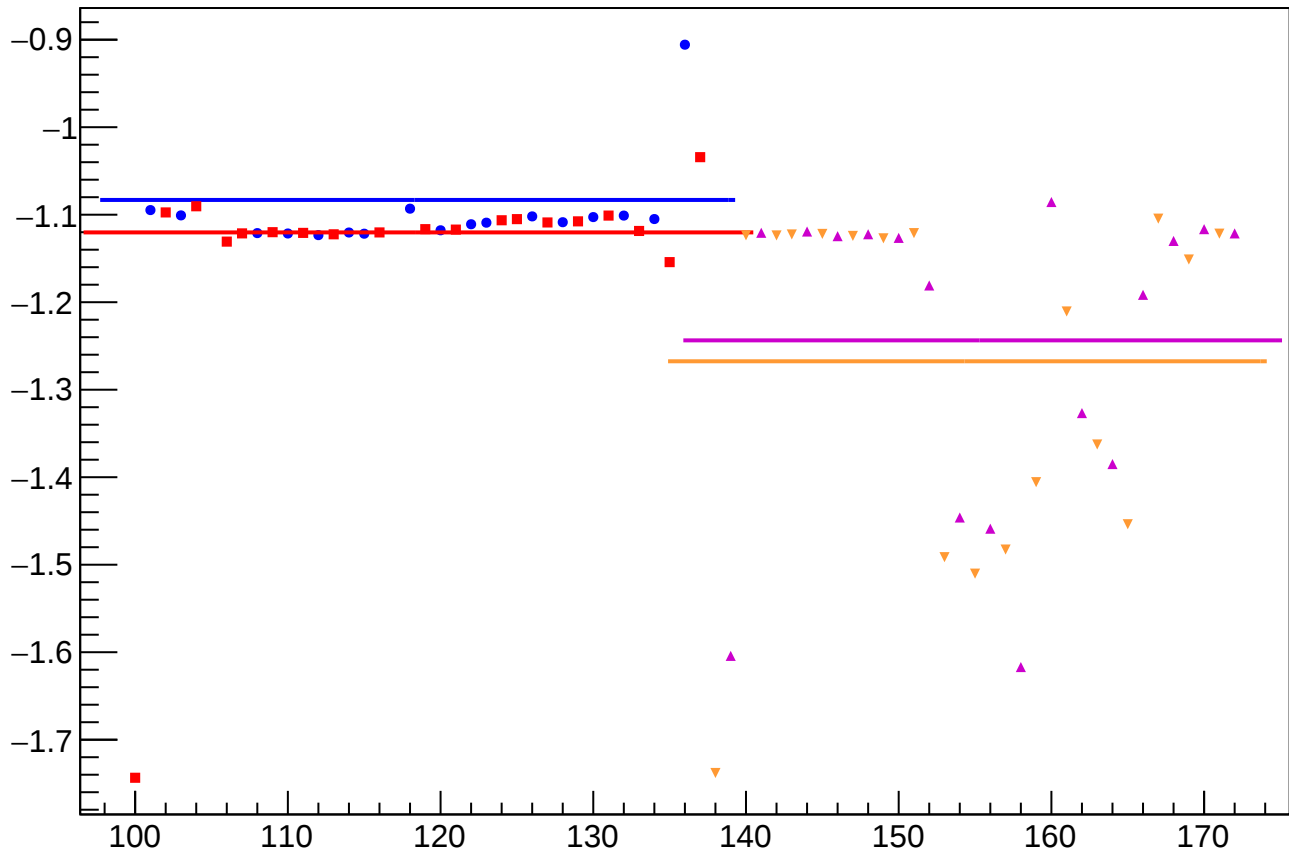
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 309046.9/16

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2203210.1/34

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 4560923.3/70

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2338132.7/35

yield_bpm0l10X_mean vs Slug



Right In: -1.083+/-0.000 χ^2/NDF : 202920901.6/16

Left Out: -1.268+/-0.000 χ^2/NDF : 4400260468.0/17

Right Out: -1.120+/-0.000 χ^2/NDF : 220571280.7/18

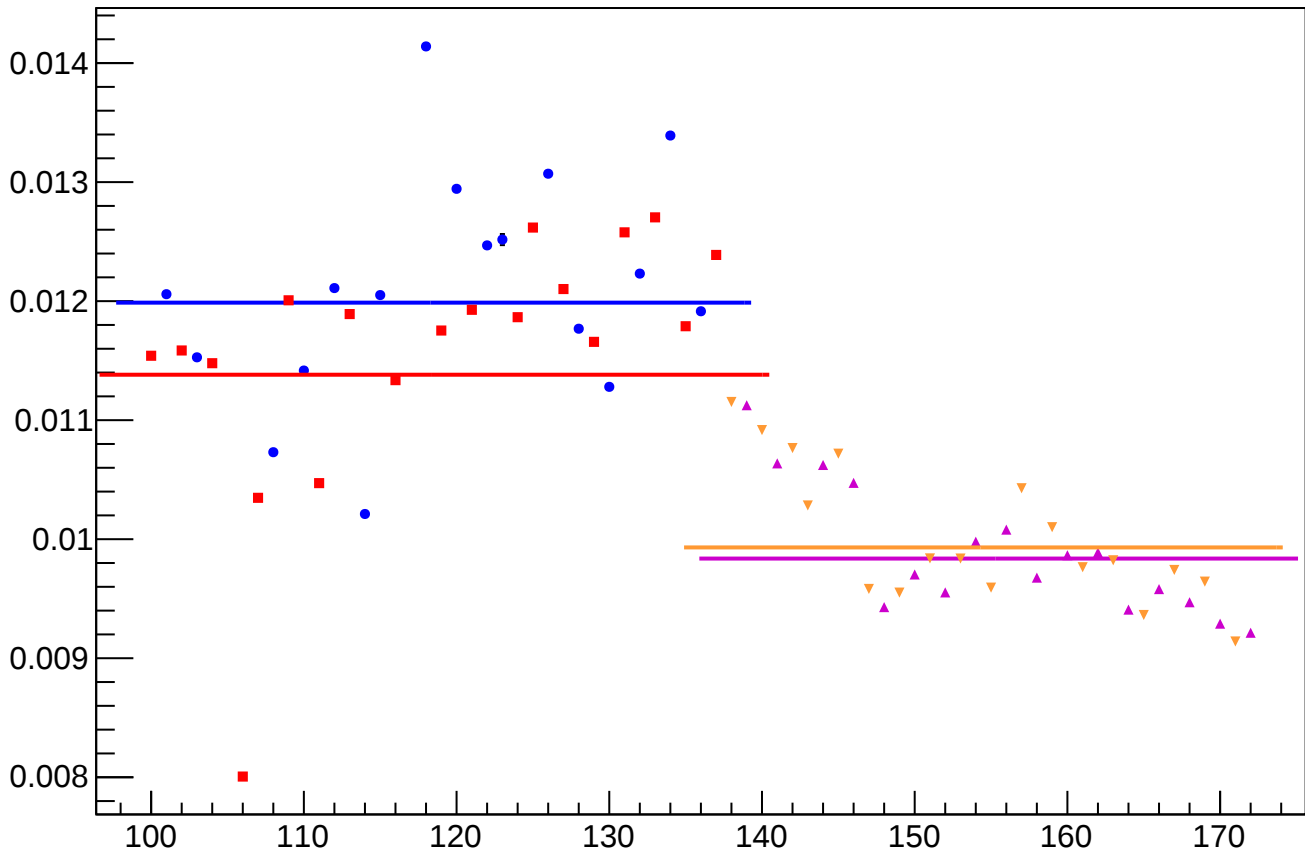
Left In: -1.244+/-0.000 χ^2/NDF : 3954579986.4/16

+ sign -1.221+/-0.000 χ^2/NDF : 5738356263.2/34

All: -1.214+/-0.000 χ^2/NDF : 10500902733.6/35

- sign -1.208+/-0.000 χ^2/NDF : 4748737764.7/35

yield_bpm0l10X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 60402.0/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 71748.4/17

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 154529.8/18

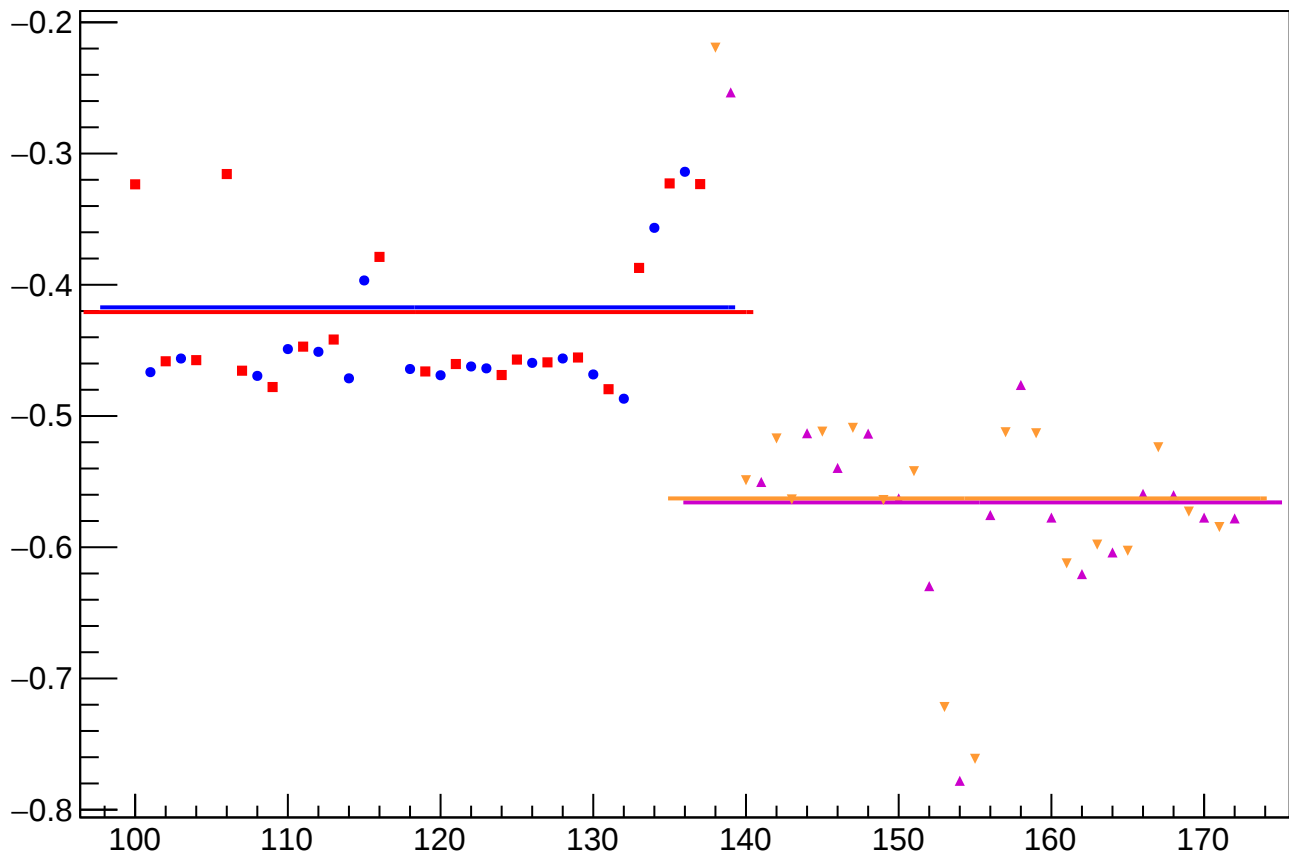
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 65164.1/16

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 414599.7/34

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 819490.0/70

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 399462.8/35

yield_bpm0l10Y_mean vs Slug



Right In: -0.417+/-0.000 χ^2/NDF : 2039045143.8/16

Left Out: -0.563+/-0.000 χ^2/NDF : 13289521094.1/17

Right Out: -0.421+/-0.000 χ^2/NDF : 1646463410.7/18

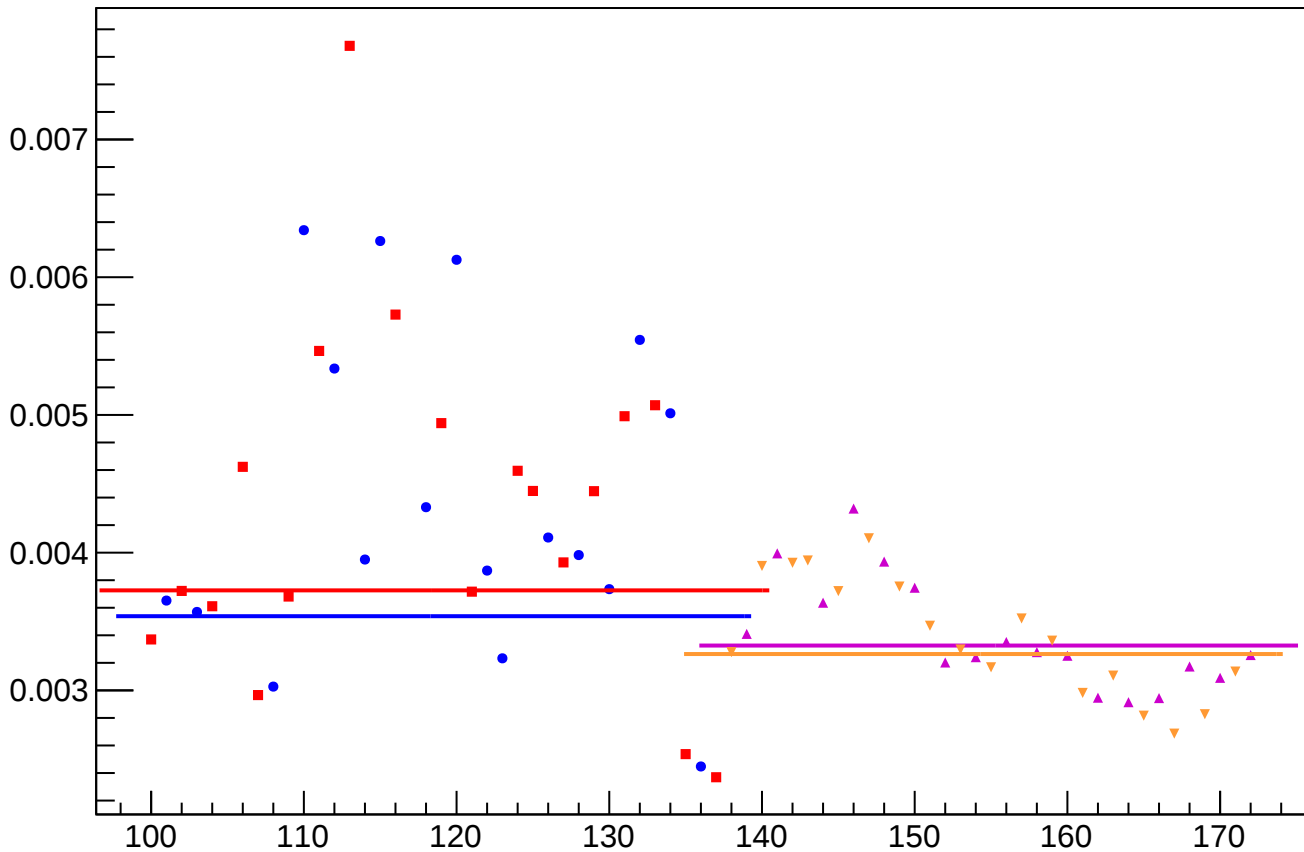
Left In: -0.566+/-0.000 χ^2/NDF : 10431426254.2/16

+ sign -0.523+/-0.000 χ^2/NDF : 22039565216.8/34

All: -0.524+/-0.000 χ^2/NDF : 40540964096.3/35

- sign -0.526+/-0.000 χ^2/NDF : 18496824334.8/35

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 ± 0.000 χ^2/NDF : 836154.0/16

Left Out: 0.003 ± 0.000 χ^2/NDF : 372486.2/17

Right Out: 0.004 ± 0.000 χ^2/NDF : 898447.6/18

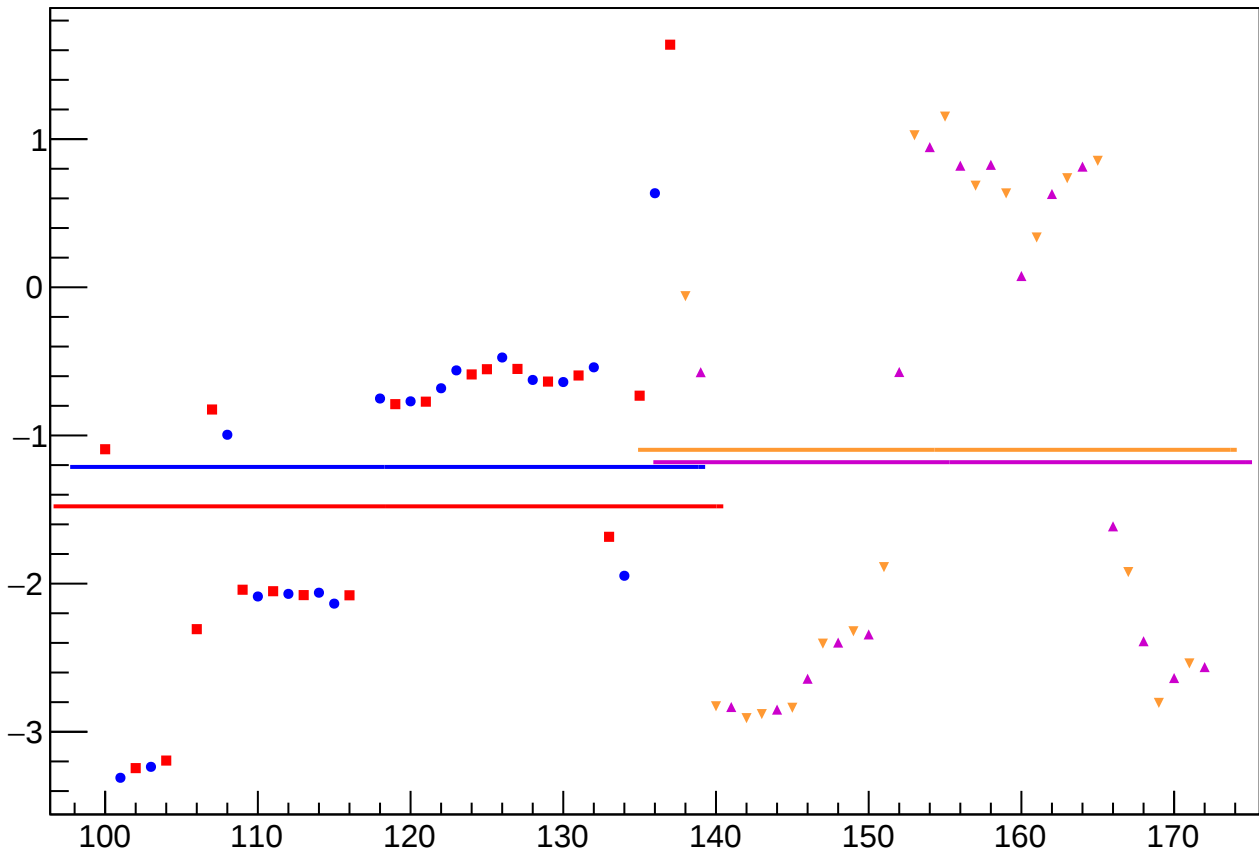
Left In: 0.003 ± 0.000 χ^2/NDF : 262345.3/16

+ sign 0.003 ± 0.000 χ^2/NDF : 1256432.7/34

All: 0.003 ± 0.000 χ^2/NDF : 2530171.7/70

- sign 0.003 ± 0.000 χ^2/NDF : 1258763.6/35

yield_bpm0r03X_mean vs Slug



Right In: -1.212 $\pm$ 0.000 χ^2 /NDF: 1992853443.9/16

Left Out: -1.097 $\pm$ 0.000 χ^2 /NDF: 6121585428.2/17

Right Out: -1.478 $\pm$ 0.000 χ^2 /NDF: 1578264383.8/18

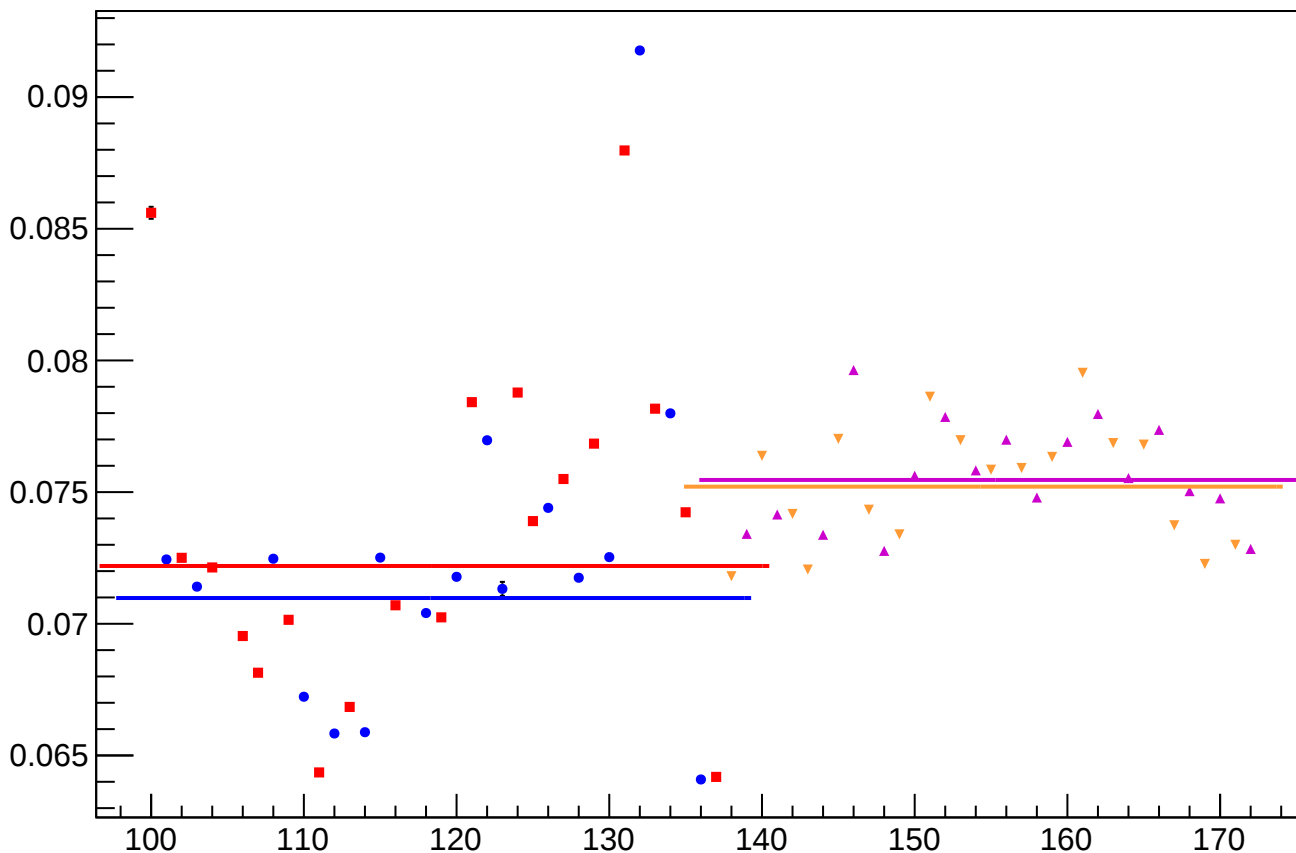
Left In: -1.180 $\pm$ 0.000 χ^2 /NDF: 5182199445.2/16

+ sign -1.138 $\pm$ 0.000 χ^2 /NDF: 8125610419.6/34

All: -1.214 $\pm$ 0.000 χ^2 /NDF: 15002849547.1/35

- sign -1.291 $\pm$ 0.000 χ^2 /NDF: 6835071192.6/35

yield_bpm0r03X_rms vs Slug



Right In: 0.071 ± 0.000 $\chi^2/\text{NDF}: 77589.5/16$

Left Out: 0.075 ± 0.000 $\chi^2/\text{NDF}: 23104.9/17$

Right Out: 0.072 ± 0.000 $\chi^2/\text{NDF}: 73228.9/18$

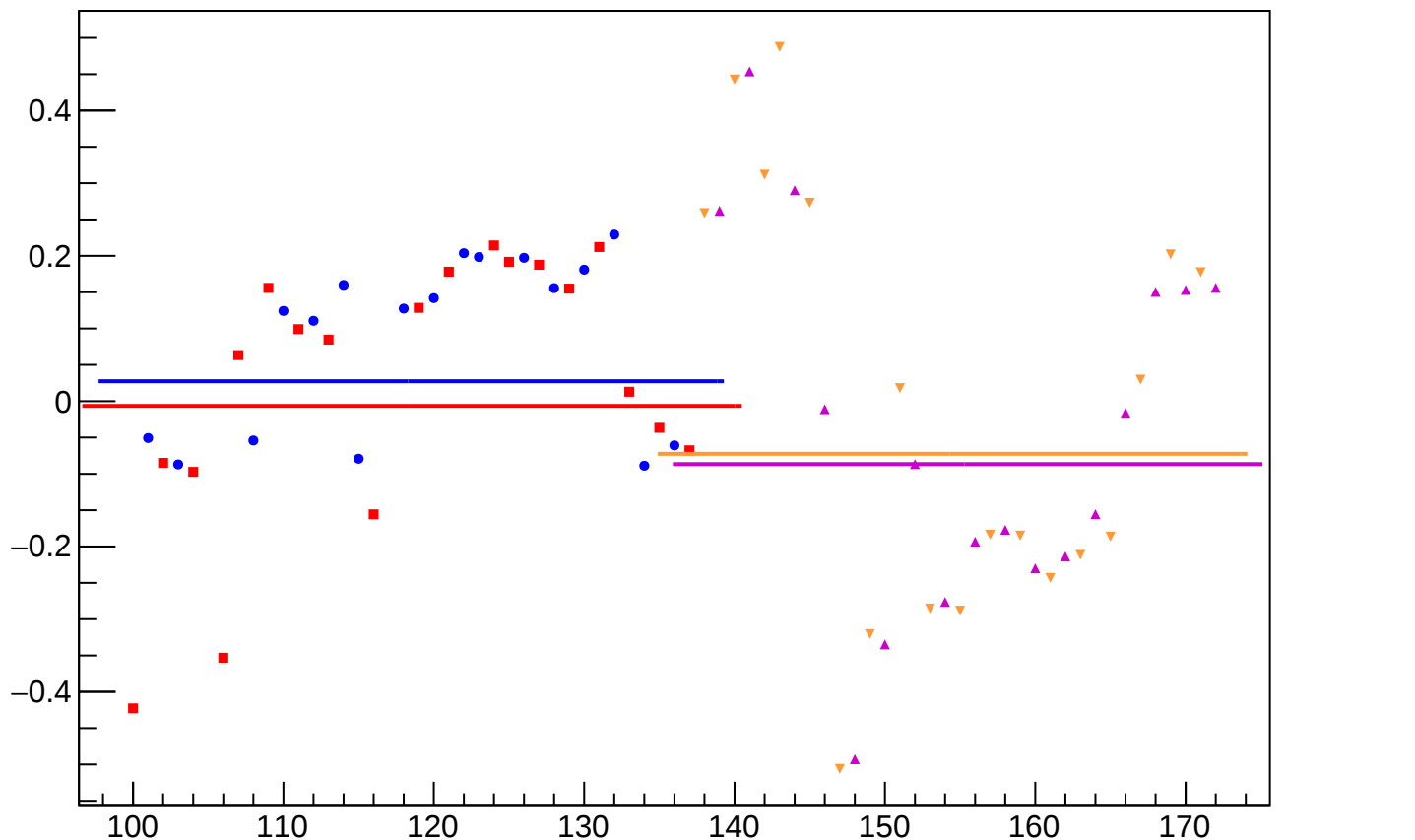
Left In: 0.075 ± 0.000 $\chi^2/\text{NDF}: 16200.6/16$

+ sign 0.074 ± 0.000 $\chi^2/\text{NDF}: 130647.1/34$

All: 0.074 ± 0.000 $\chi^2/\text{NDF}: 239137.8/70$

- sign 0.074 ± 0.000 $\chi^2/\text{NDF}: 107362.9/35$

yield_bpm0r03Y_mean vs Slug



Right In: 0.027+/-0.000 χ^2/NDF : 562337631.4/16

Left Out: -0.072+/-0.000 χ^2/NDF : 17395235746.8/17

Right Out: -0.007+/-0.000 χ^2/NDF : 1199278894.0/18

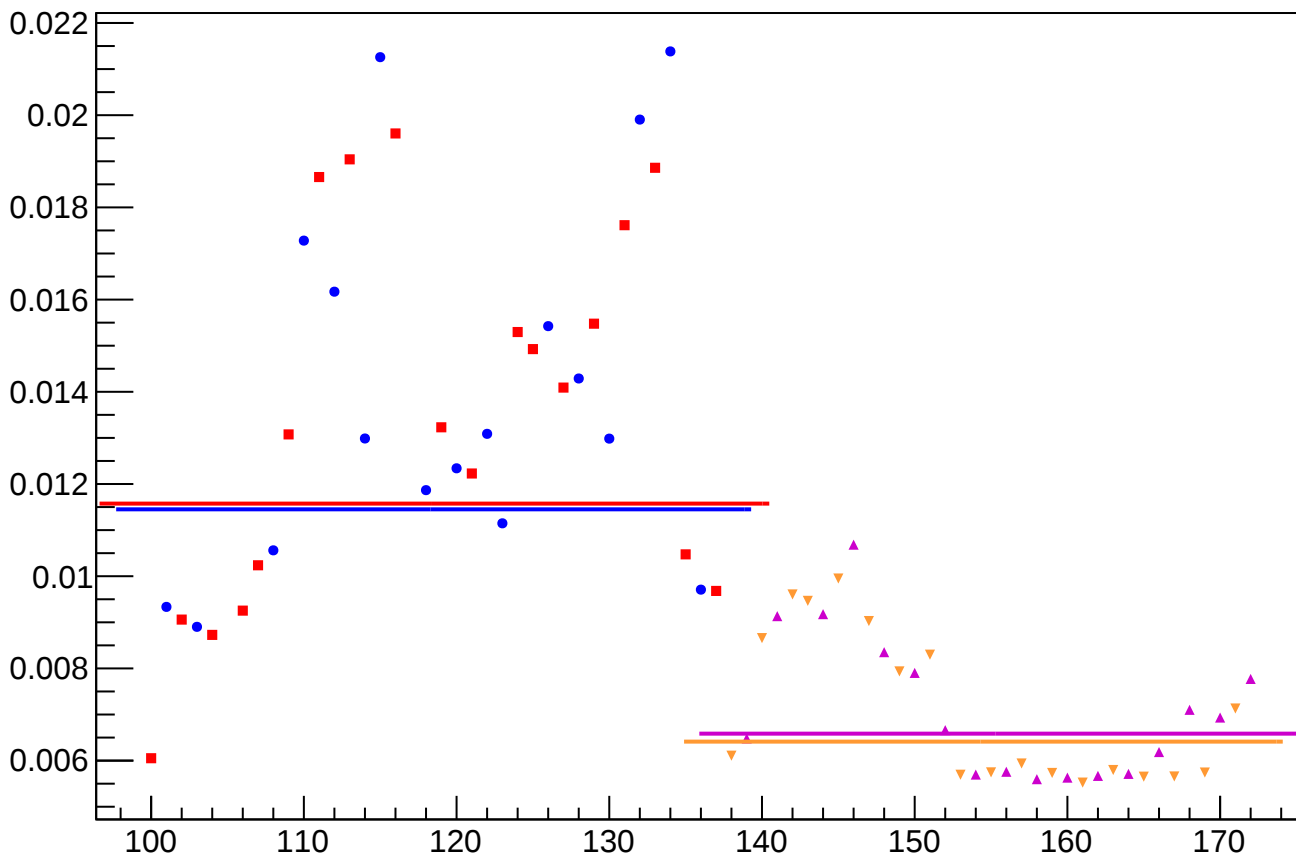
Left In: -0.087+/-0.000 χ^2/NDF : 13220935053.8/16

+ sign -0.060+/-0.000 χ^2/NDF : 18338740651.5/34

All: -0.067+/-0.000 χ^2/NDF : 33045254582.3/35

- sign -0.075+/-0.000 χ^2/NDF : 14664797903.6/35

yield_bpm0r03Y_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 679628.0/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:942064.4/17

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 997161.1/18

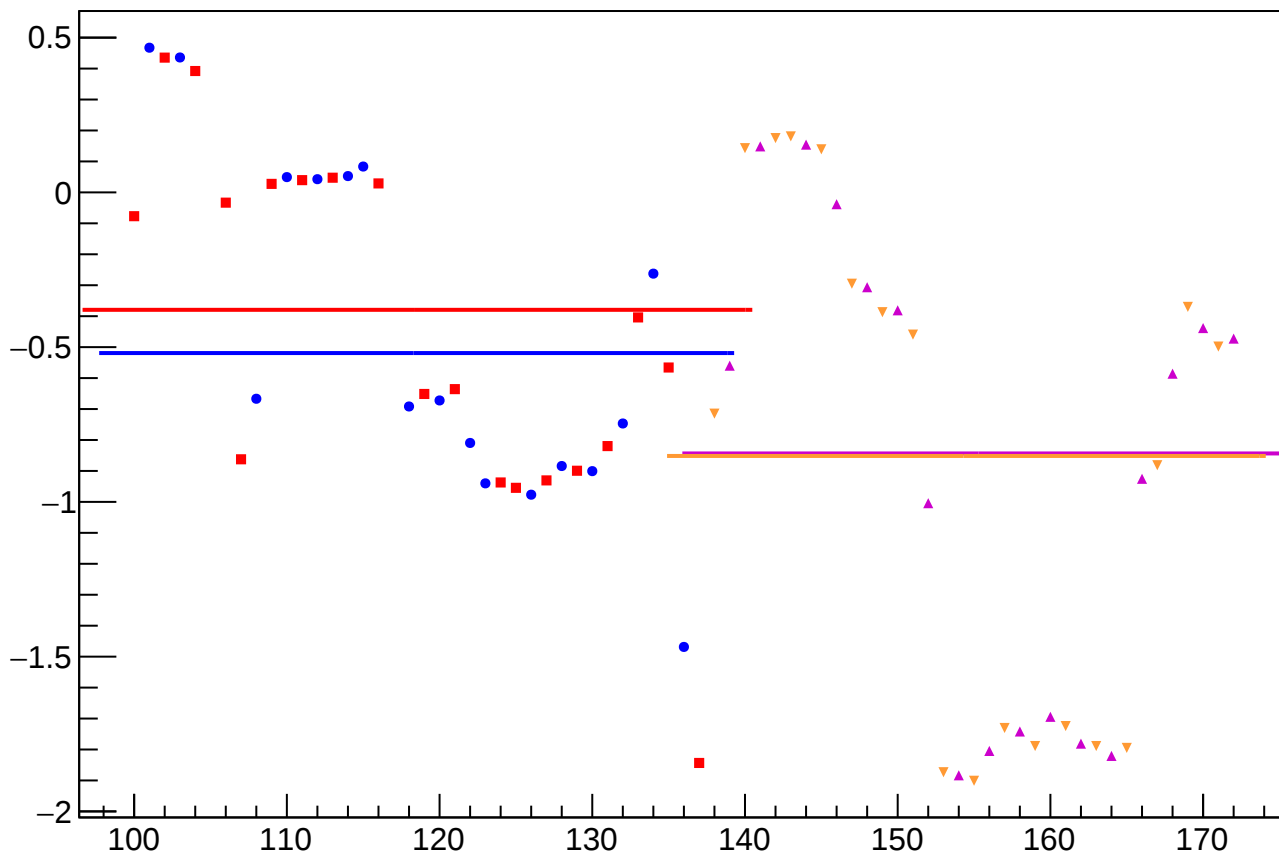
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:828440.6/16

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3561614.9/34

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 7303039.8/70

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3725954.7/35

yield_bpm0r05X_mean vs Slug



Right In: -0.519+/-0.000 χ^2/NDF : 339383872.4/16

Left Out: -0.852+/-0.000 χ^2/NDF : 1052080272.7/17

Right Out: -0.379+/-0.000 χ^2/NDF : 268621179.0/18

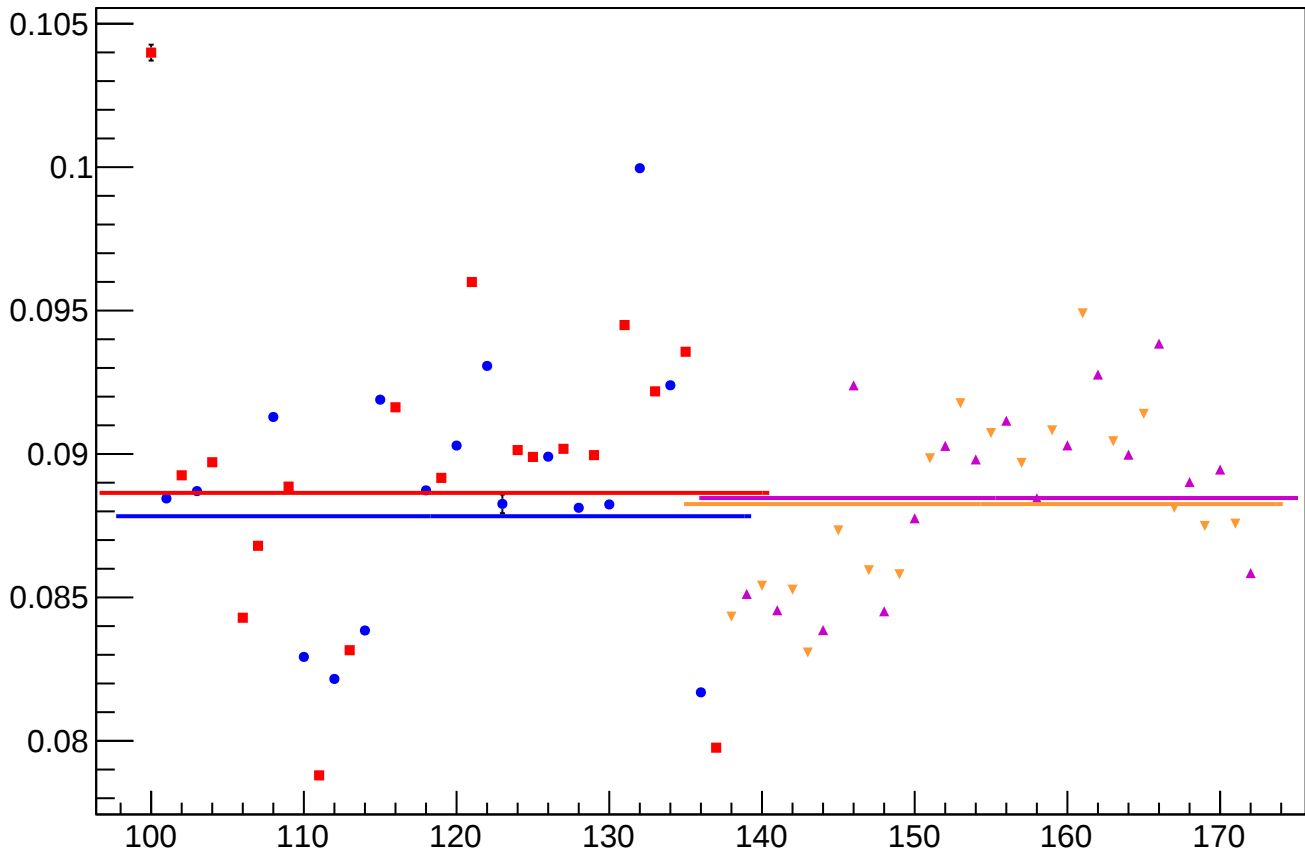
Left In: -0.843+/-0.000 χ^2/NDF : 899286477.9/16

+ sign -0.740+/-0.000 χ^2/NDF : 1455124493.5/34

All: -0.710+/-0.000 χ^2/NDF : 2753763839.6/7

- sign -0.681+/-0.000 χ^2/NDF : 1294091418.7/35

yield_bpm0r05X_rms vs Slug



Right In: 0.088+/-0.000 χ^2/NDF : 34954.4/16

Left Out: 0.088+/-0.000 χ^2/NDF : 29616.3/17

Right Out: 0.089+/-0.000 χ^2/NDF : 39722.9/18

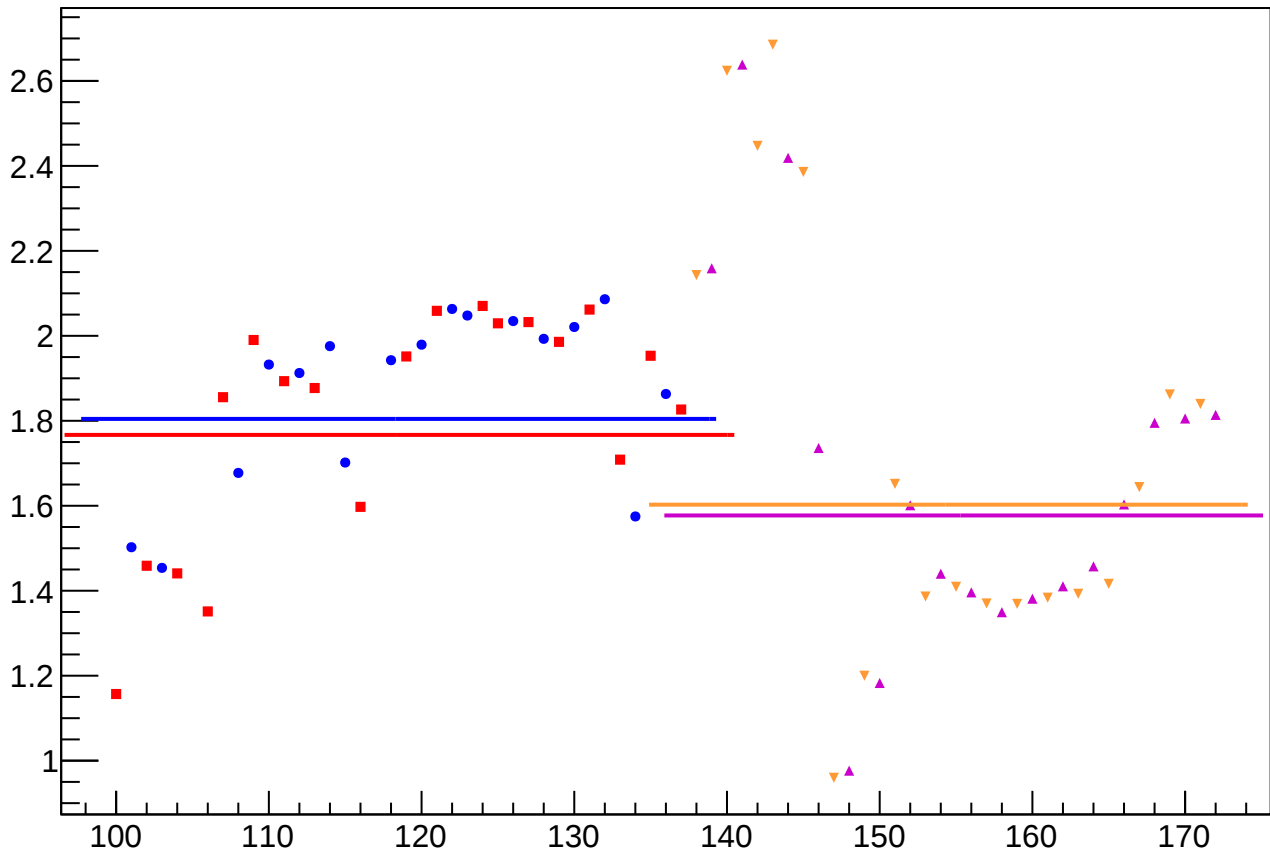
Left In: 0.088+/-0.000 χ^2/NDF : 29078.4/16

+ sign 0.088+/-0.000 χ^2/NDF : 64777.0/34

All: 0.088+/-0.000 χ^2/NDF : 134061.7/70

- sign 0.089+/-0.000 χ^2/NDF : 68839.0/35

yield_bpm0r05Y_mean vs Slug



Right In: 1.804 $\pm$ 0.000 χ^2 /NDF: 1156747883.2/16

Left Out: 1.603 $\pm$ 0.000 χ^2 /NDF: 24797155174.2/17

Right Out: 1.767 $\pm$ 0.000 χ^2 /NDF: 1709259284.5/18

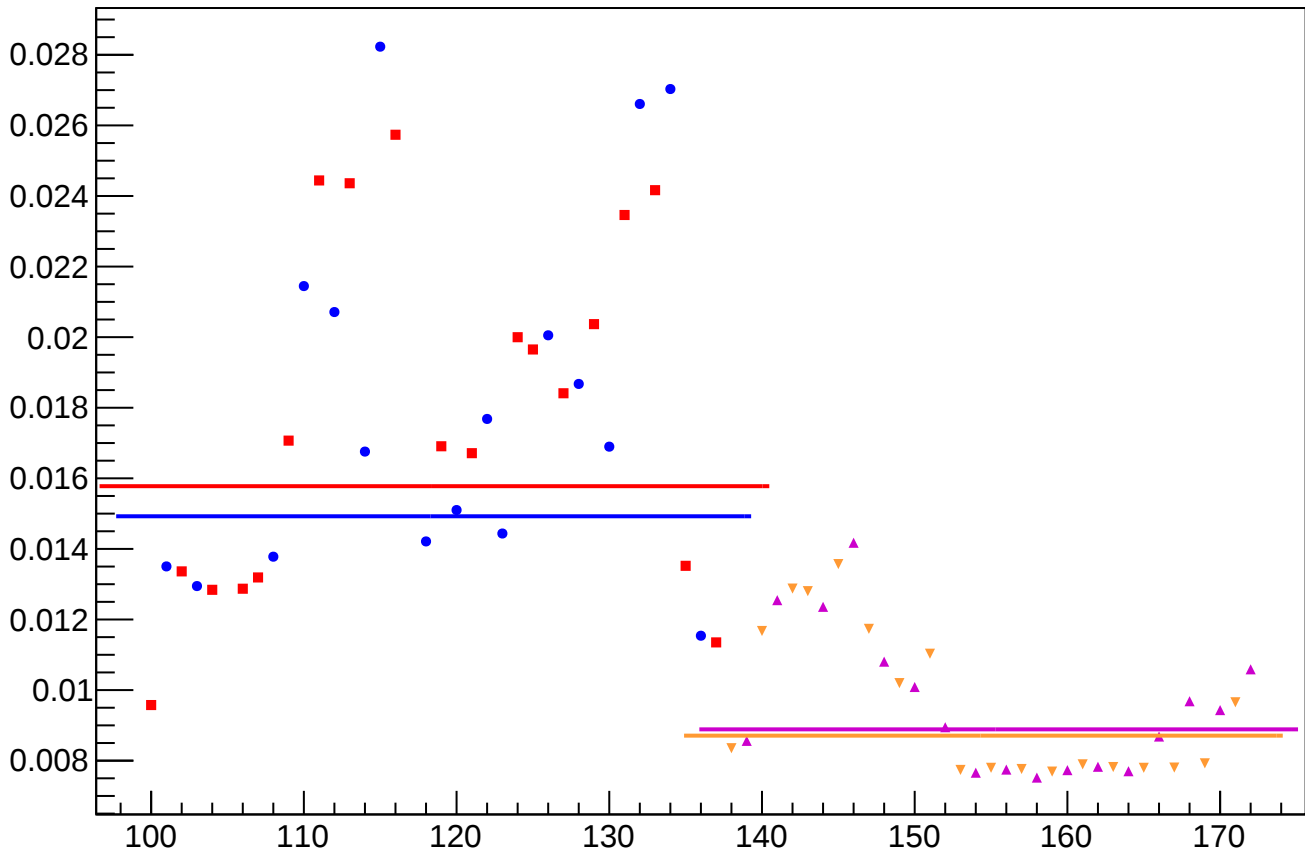
Left In: 1.577 $\pm$ 0.000 χ^2 /NDF: 19269972555.4/16

+ sign 1.630 $\pm$ 0.000 χ^2 /NDF: 26863090915.6/34

All: 1.617 $\pm$ 0.000 χ^2 /NDF: 48661607733.8/7

- sign 1.603 $\pm$ 0.000 χ^2 /NDF: 21731649859.9/35

yield_bpm0r05Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 643651.9/16

Left Out: 0.009+/-0.000 χ^2/NDF : 857833.6/17

Right Out: 0.016+/-0.000 χ^2/NDF : 786107.1/18

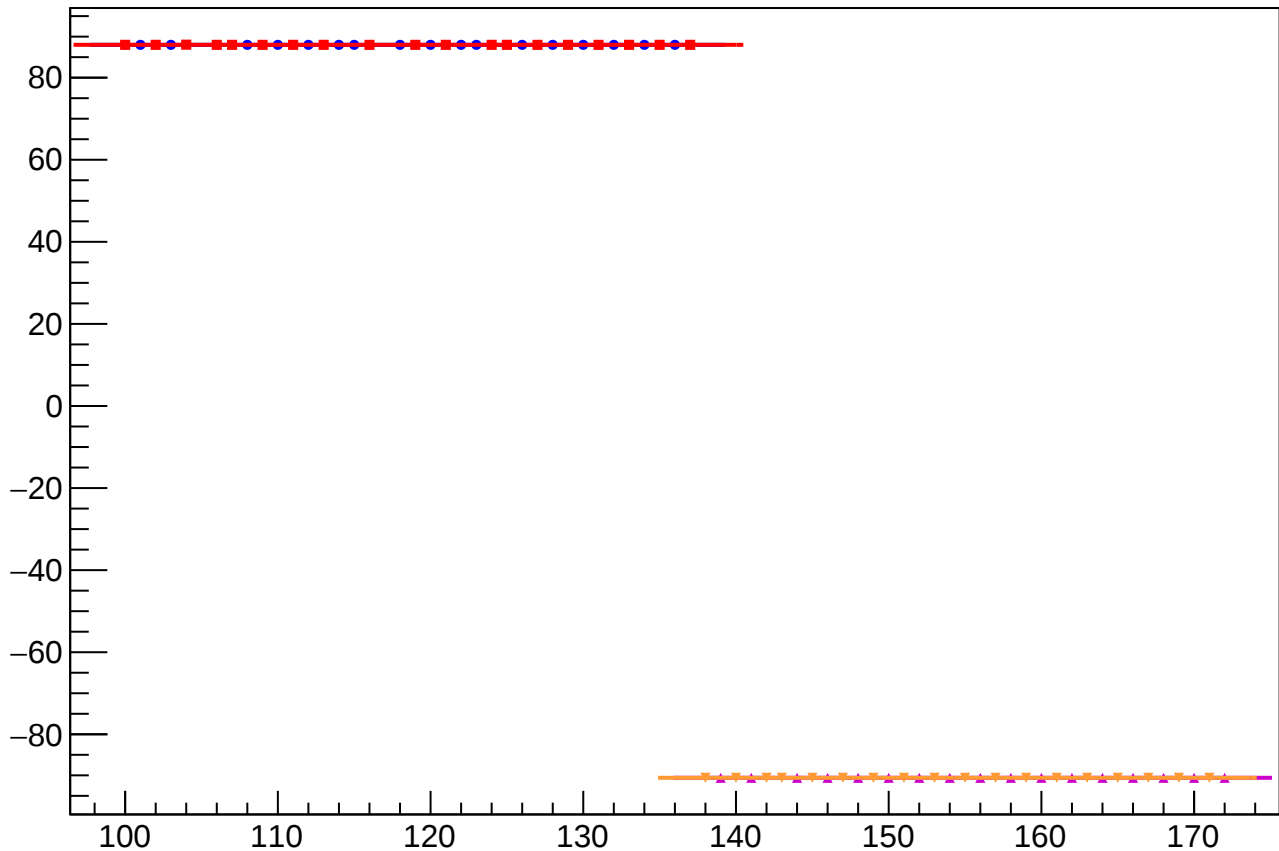
Left In: 0.009+/-0.000 χ^2/NDF : 780055.3/16

+ sign 0.010+/-0.000 χ^2/NDF : 3225133.2/34

All: 0.010+/-0.000 χ^2/NDF : 6791948.4/70

- sign 0.010+/-0.000 χ^2/NDF : 3553209.7/35

epics_VWienAngles_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 1852068.7/16

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 5502891.7/17

Right Out: 88.004 $\pm$ 0.000 χ^2 /NDF: 77545892857504626270604886016.0/18

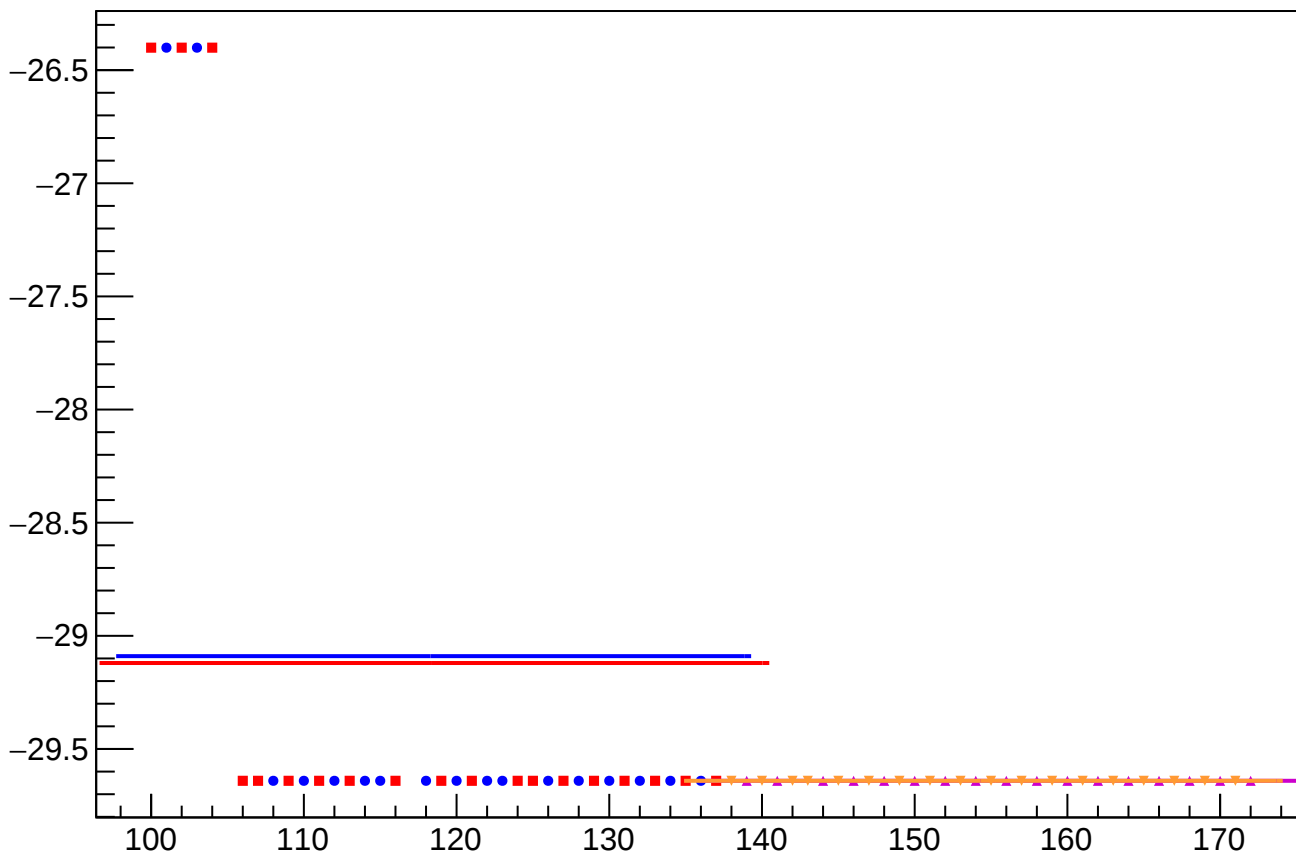
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 5425545.5/16

+ sign -31.152 $\pm$ 0.000 χ^2 /NDF: 147687401812182

All: -29.908 $\pm$ 0.000 χ^2 /NDF: 298194987253

- sign -28.663 $\pm$ 0.000 χ^2 /NDF: 1504430700208136

epics_HWienAngles_mean vs Slug



Right In: -29.090+/-0.000 χ^2/NDF : 1028099246109521929793835198578688.0/16

Left Out: -29.641+/-0.000 χ^2/NDF : 222345.2/17

Right Out: -29.120+/-0.000 χ^2/NDF : 1022076578393359839206130891882496.0/18

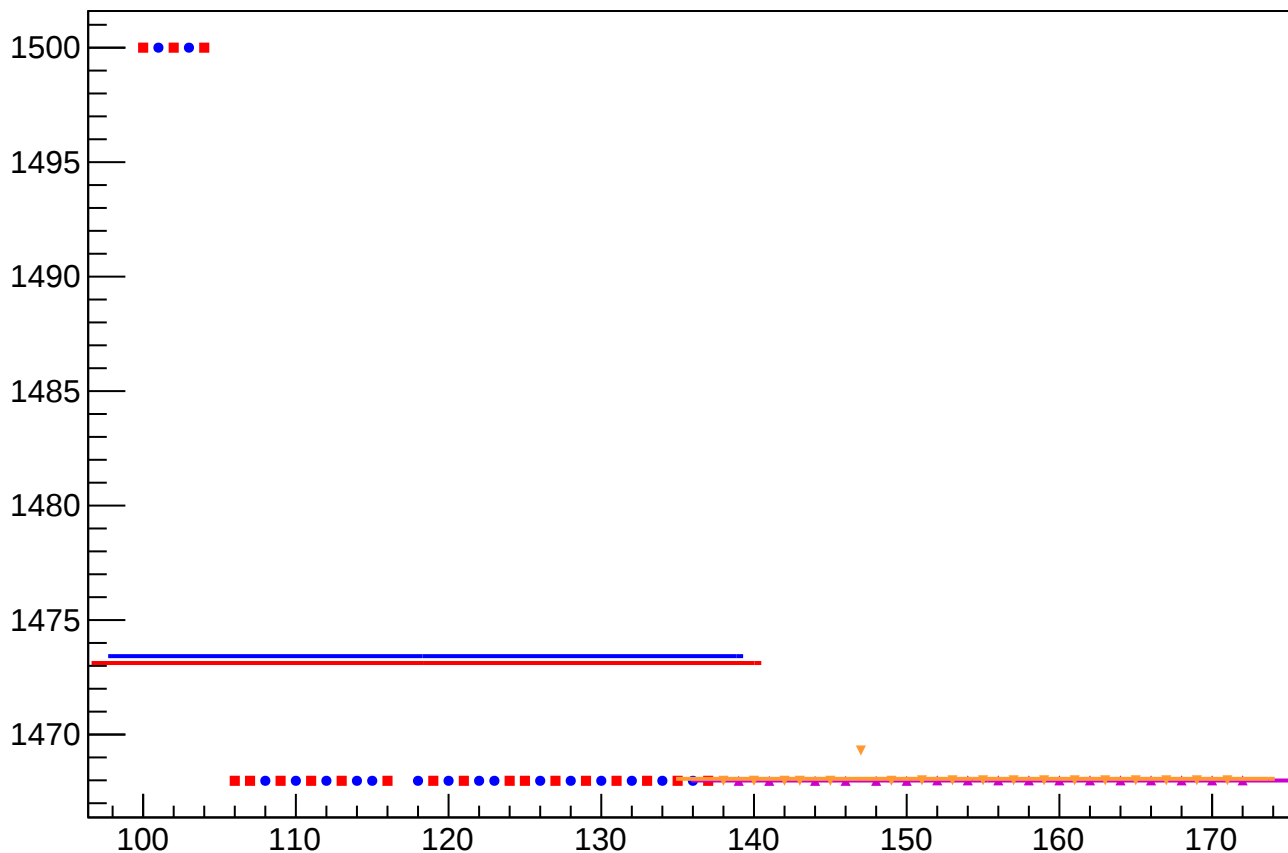
Left In: -29.641+/-0.000 χ^2/NDF : 283636.5/16

+ sign -29.457+/-0.000 χ^2/NDF : 116861196431653

All: -29.459+/-0.000 χ^2/NDF : 231849585485

- sign -29.460+/-0.000 χ^2/NDF : 1149875439769429

epics_psub_pl_poss_mean vs Slug



Right In: 1473.424+/-0.000 χ^2/NDF : 100421295828245505125784497044848640.0/16

Left Out: 1468.066+/-0.000 χ^2/NDF : 126252457479657231880678260342784.0/17

Right Out: 1473.124+/-0.000 χ^2/NDF : 99833021788859785886082809393577984.0/18

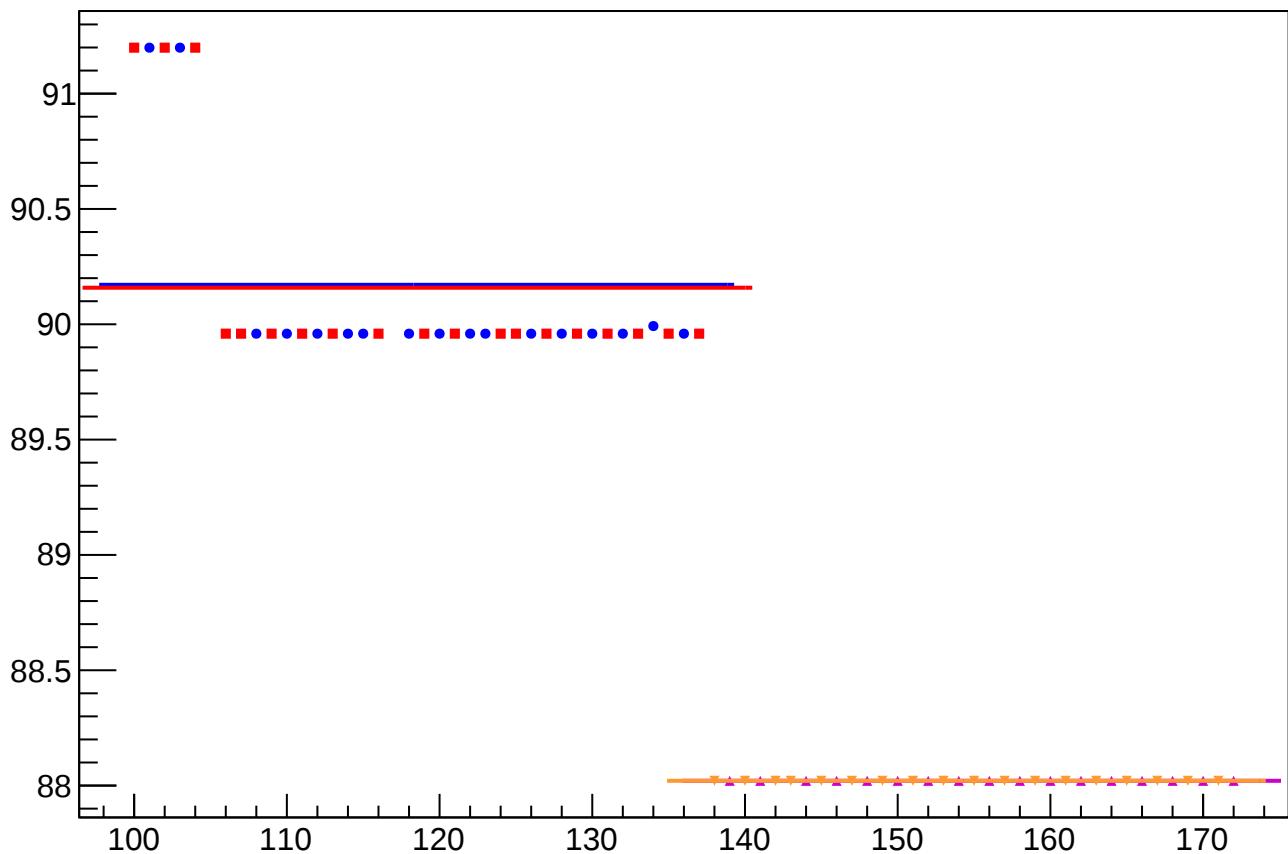
Left In: 1467.992+/-0.000 χ^2/NDF : 126576176442352566252488097792.0/16

+ sign 1469.849+/-0.000 χ^2/NDF : 11383861046161

All: 1469.811+/-0.000 χ^2/NDF : 22609979619

- sign 1469.772+/-0.000 χ^2/NDF : 11225488751401

epics_Phi_FGs_mean vs Slug



Right In: 90.171+/-0.000 χ^2/NDF : 150316905454500935857801185460224.0/16

Left Out: 88.021+/-0.000 χ^2/NDF : 4526673.2/17

Right Out: 90.159+/-0.000 χ^2/NDF : 149705165651000025160777180643328.0/18

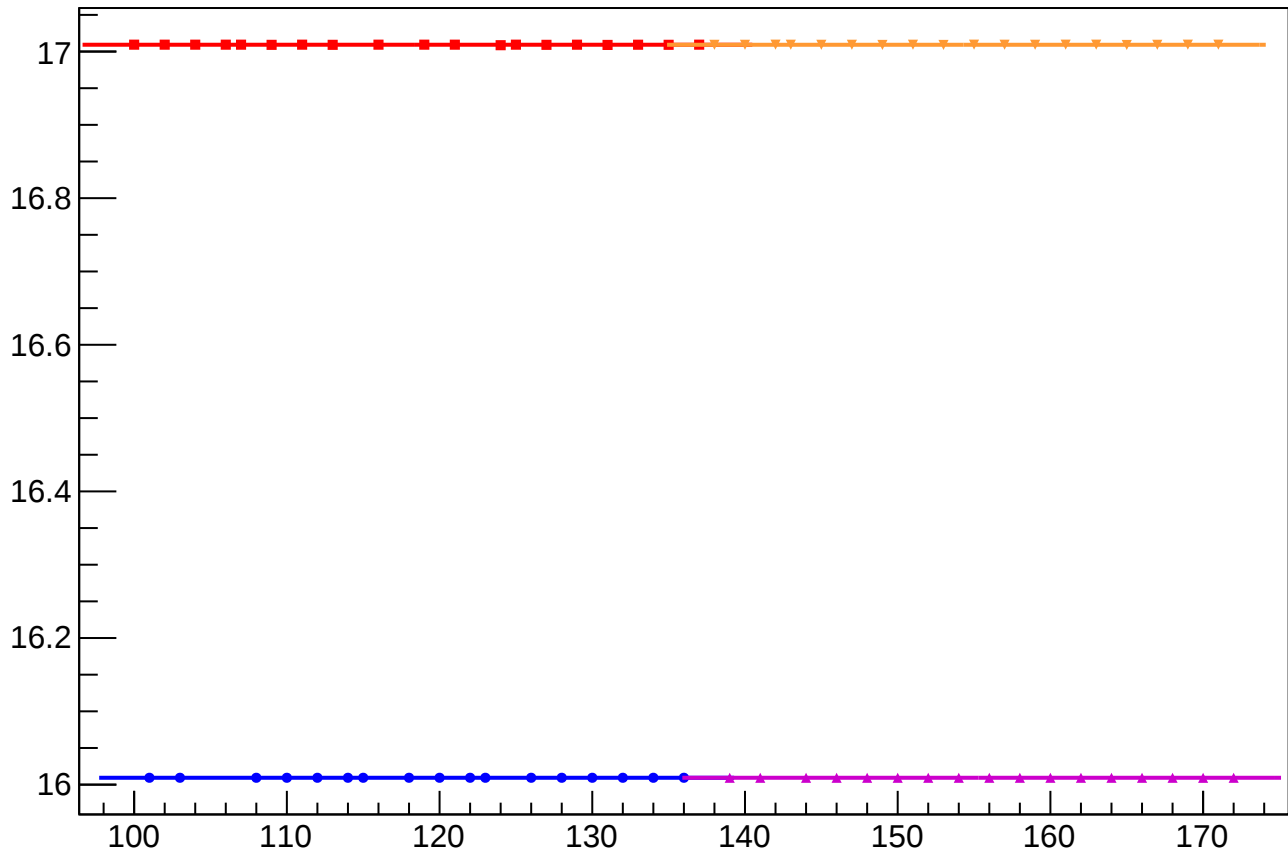
Left In: 88.021+/-0.000 χ^2/NDF : 5929810.6/16

+ sign 88.736+/-0.000 χ^2/NDF : 2291387421574307

All: 88.749+/-0.000 χ^2/NDF : 4597218878724

- sign 88.762+/-0.000 χ^2/NDF : 2305149895478200

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2/NDF : 44327.7/16

Left Out: 17.009 $\pm$ 0.000 χ^2/NDF : 20873096962013805181665280.0/17

Right Out: 17.009 $\pm$ 0.000 χ^2/NDF : 12516014336037541461884928.0/18

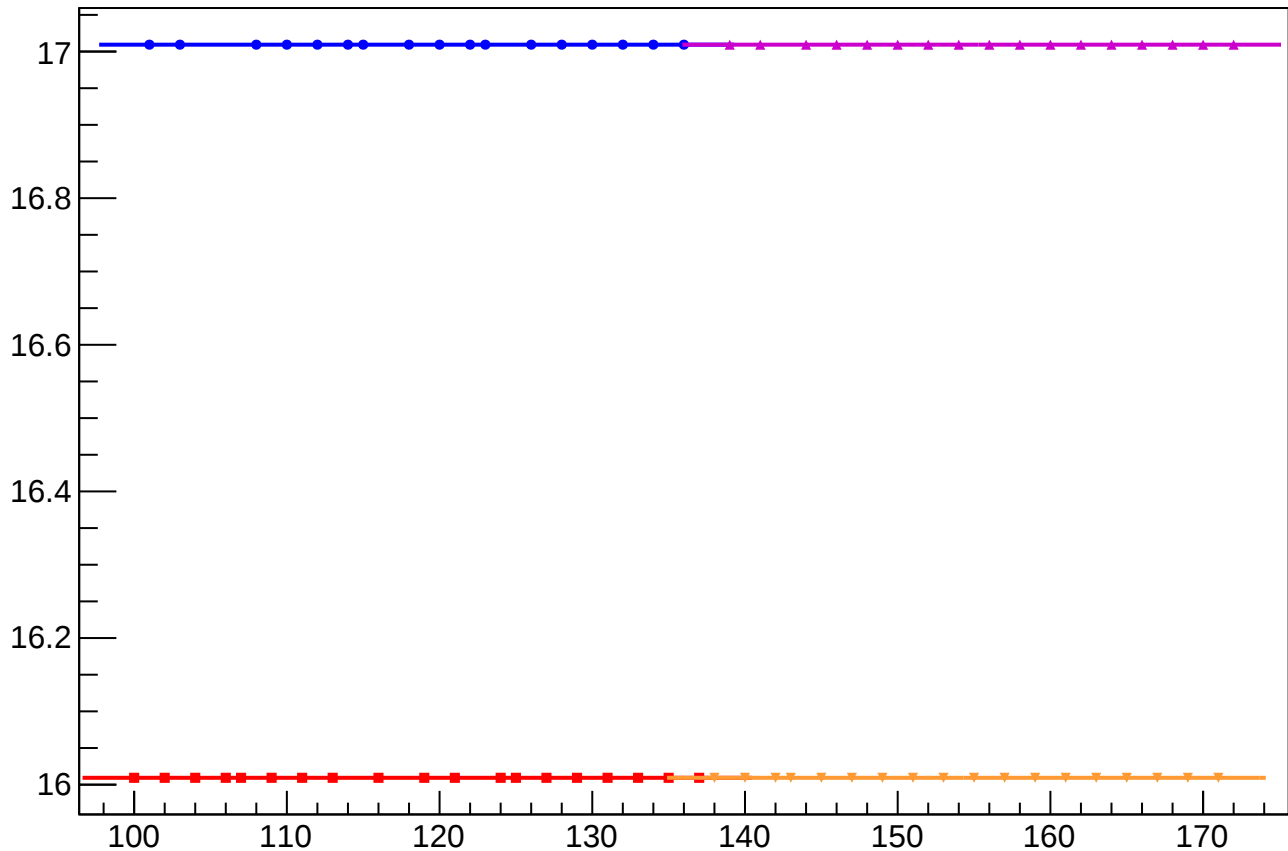
Left In: 16.009 $\pm$ 0.000 χ^2/NDF : 12601286947283106660352.0/16

+ sign 16.670 $\pm$ 0.000 χ^2/NDF : 4371459993943241

All: 16.512 $\pm$ 0.000 χ^2/NDF : 9652465869597

- sign 16.351 $\pm$ 0.000 χ^2/NDF : 4302231854533449

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009 $\pm$ 0.000 χ^2 /NDF: 132629.6/16

Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 50992.0/17

Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 39518.8/18

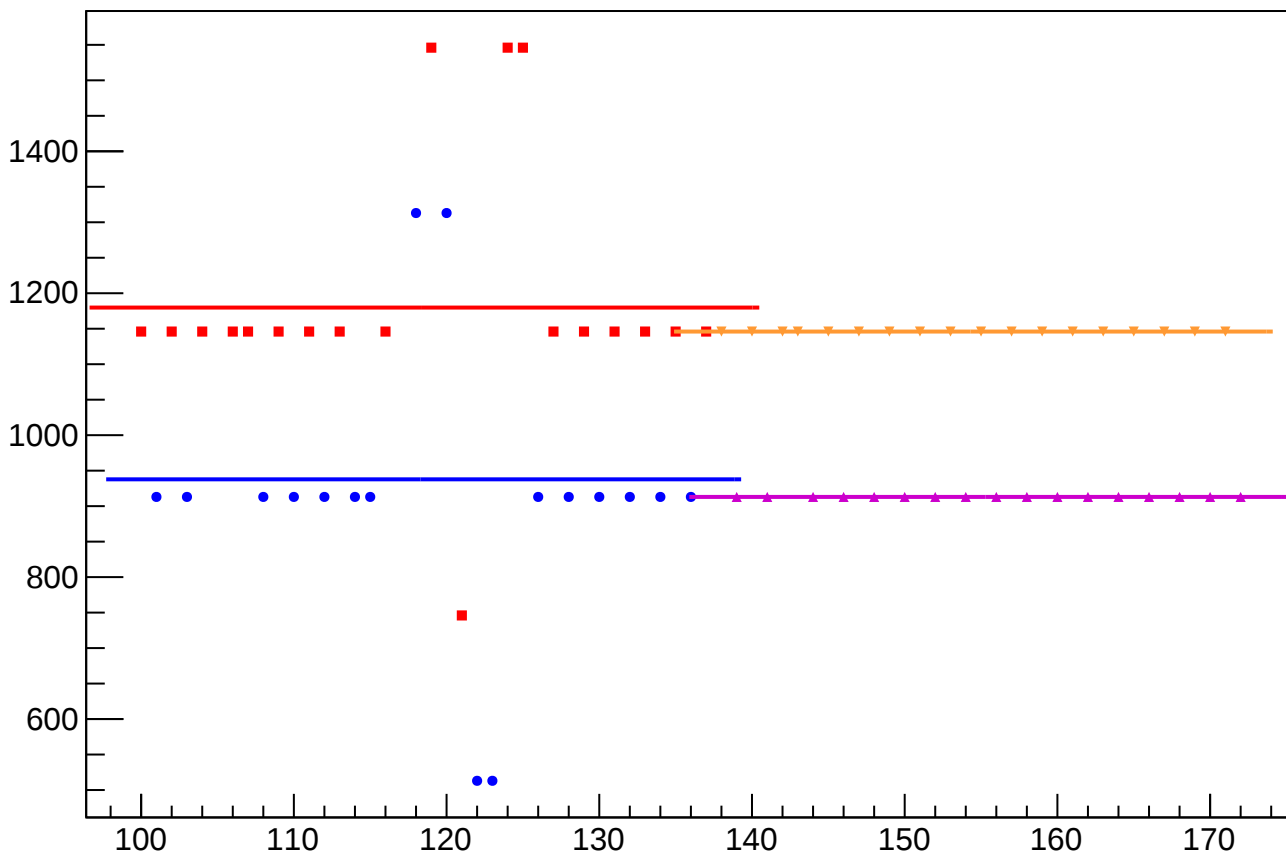
Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 113242713141386548346880.0/16

+ sign 16.333 $\pm$ 0.000 χ^2 /NDF: 4476997555012163

All: 16.497 $\pm$ 0.000 χ^2 /NDF: 1022861477279

- sign 16.660 $\pm$ 0.000 χ^2 /NDF: 4654980631953085

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 937.779+/-0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

Left Out: 1146.011+/-0.000 χ^2/NDF : 4455133713440933889722810368.0/17

Right Out: 1179.805+/-0.000 χ^2/NDF : 21416114436530132796905703778824486912.0/18

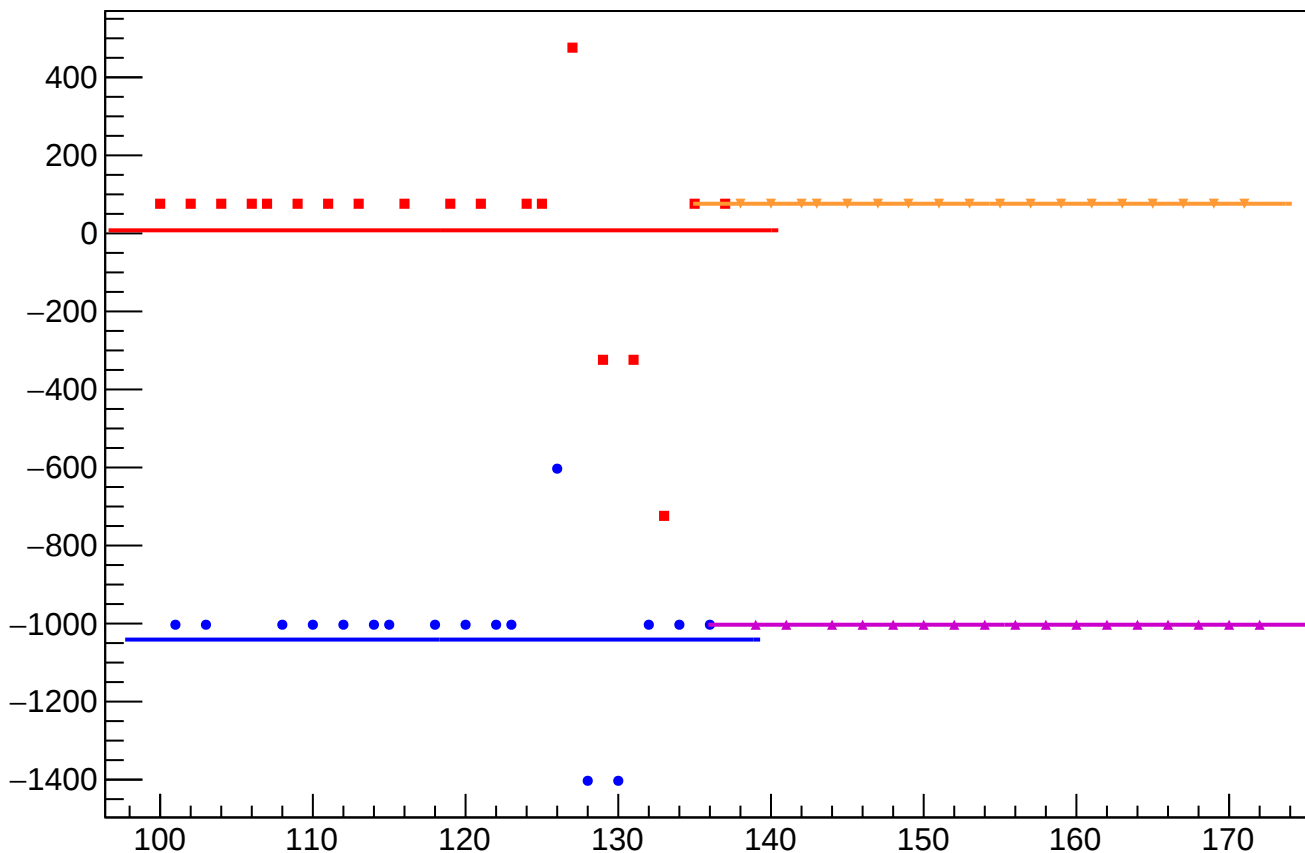
Left In: 912.995+/-0.000 χ^2/NDF : 18118402996388068783445508096.0/16

All: 1041.136+/-0.000 χ^2/NDF : 10119915765

+ sign 1076.700+/-0.000 χ^2/NDF : 40930960203709

- sign 1005.520+/-0.000 χ^2/NDF : 54989960059759

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1041.030+/-0.000 χ^2/NDF : 22675401109943882512554797113855180800.0/16

Left Out: 76.011+/-0.000 χ^2/NDF : 10379508717637800306933760000.0/17 + sign -295.800+/-0.000 χ^2/NDF : 60039694349605

Right Out: 7.865+/-0.000 χ^2/NDF : 43846919472163570410830042713366200320.0/18 All: -473.993+/-0.000 χ^2/NDF : 12586664905

Left In: -1002.990+/-0.000 χ^2/NDF : 2036549959284489034691248128.0/16 - sign -652.444+/-0.000 χ^2/NDF : 525764602216273