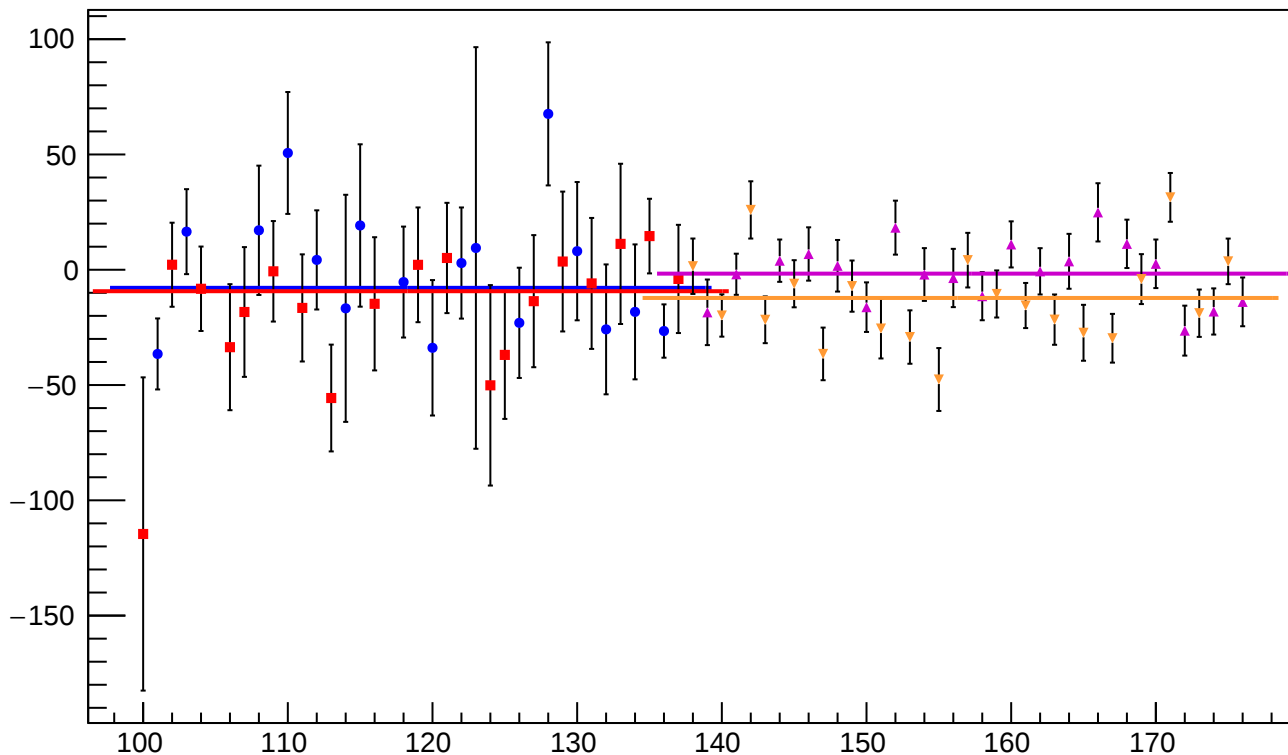


diff_bpm4aX_mean vs Slug



Right In: -7.841 ± 5.608

χ^2/NDF : 22.6/16

Left Out: -12.234 ± 2.442

χ^2/NDF : 55.0/19

Right Out: -9.309 ± 5.677

χ^2/NDF : 13.2/18

Left In: -1.686 ± 2.480

χ^2/NDF : 25.2/18

+ sign -11.534 ± 2.239

χ^2/NDF : 78.1/36

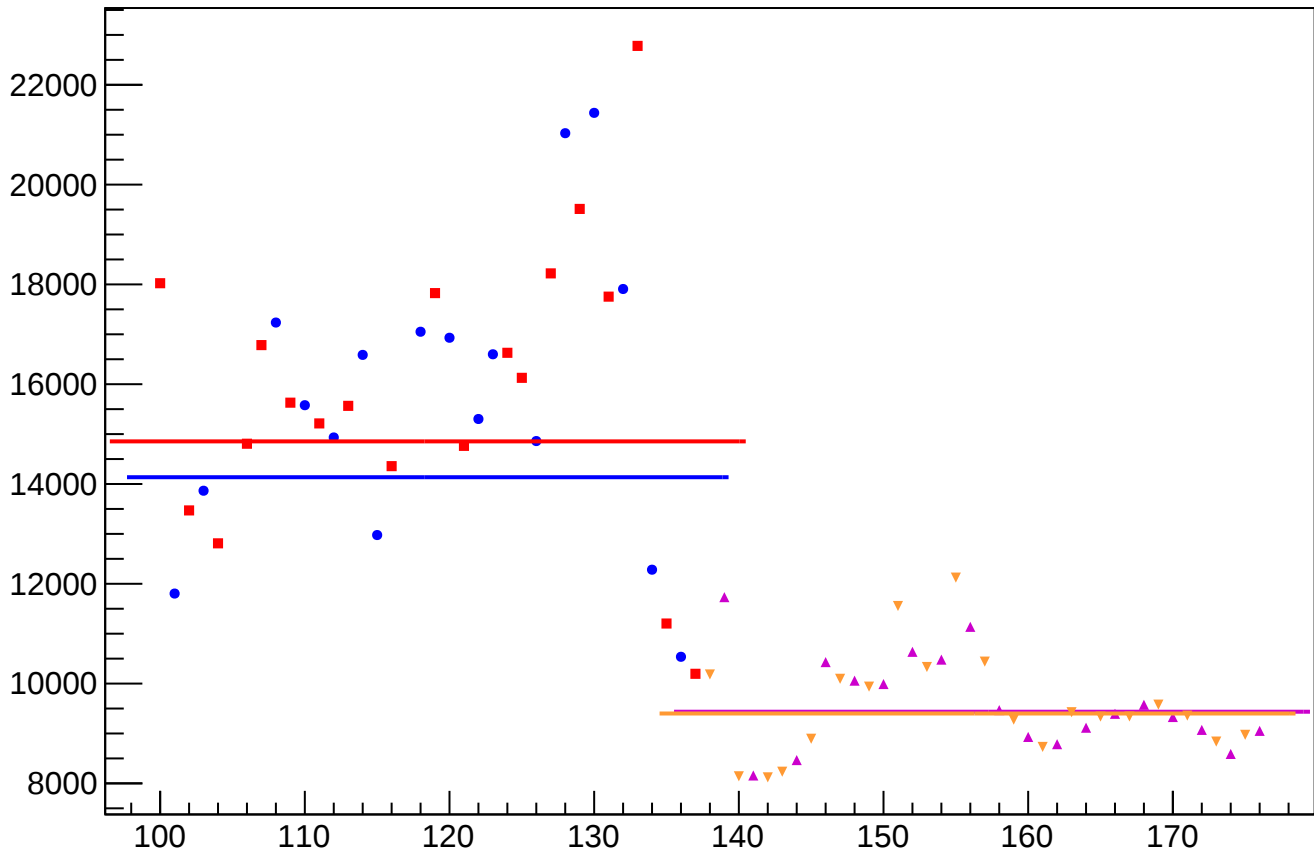
All: -7.283 ± 1.595

χ^2/NDF : 125.4/74

- sign -2.907 ± 2.272

χ^2/NDF : 39.9/37

diff_bpm4aX_rms vs Slug



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

Left Out: 9400.329 $\pm$ 1.727 χ^2 /NDF:294178.9/19

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

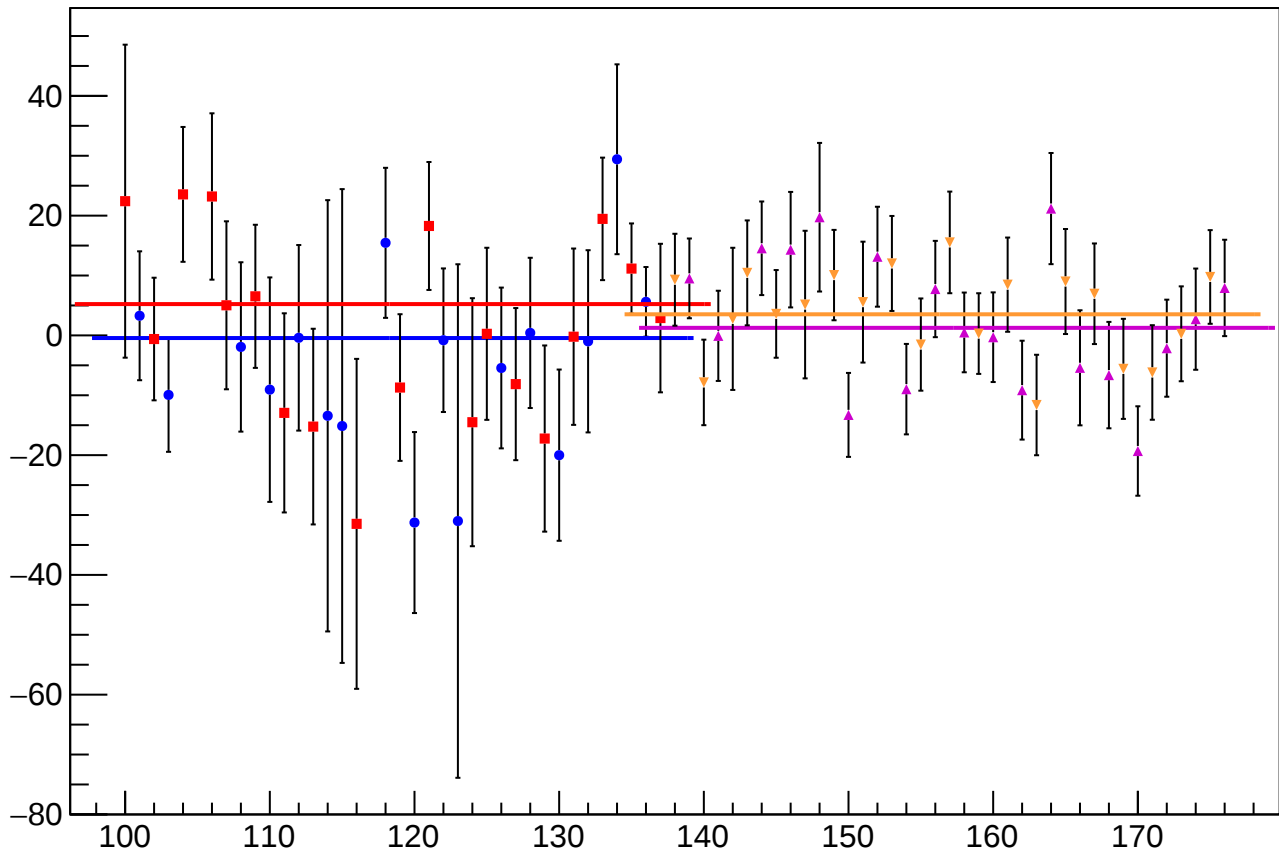
Left In: 9436.068 $\pm$ 1.753 χ^2 /NDF:250415.2/18

+ sign 10155.289 $\pm$ 1.583 χ^2 /NDF: 2089937.4/36

All: 10228.569 $\pm$ 1.128 χ^2 /NDF: 4346425.0/7

- sign 10304.025 $\pm$ 1.607 χ^2 /NDF: 2252140.4/37

diff_bpm4aY_mean vs Slug



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

Left Out: 3.524 ± 1.831 χ^2/NDF : 16.1/19

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

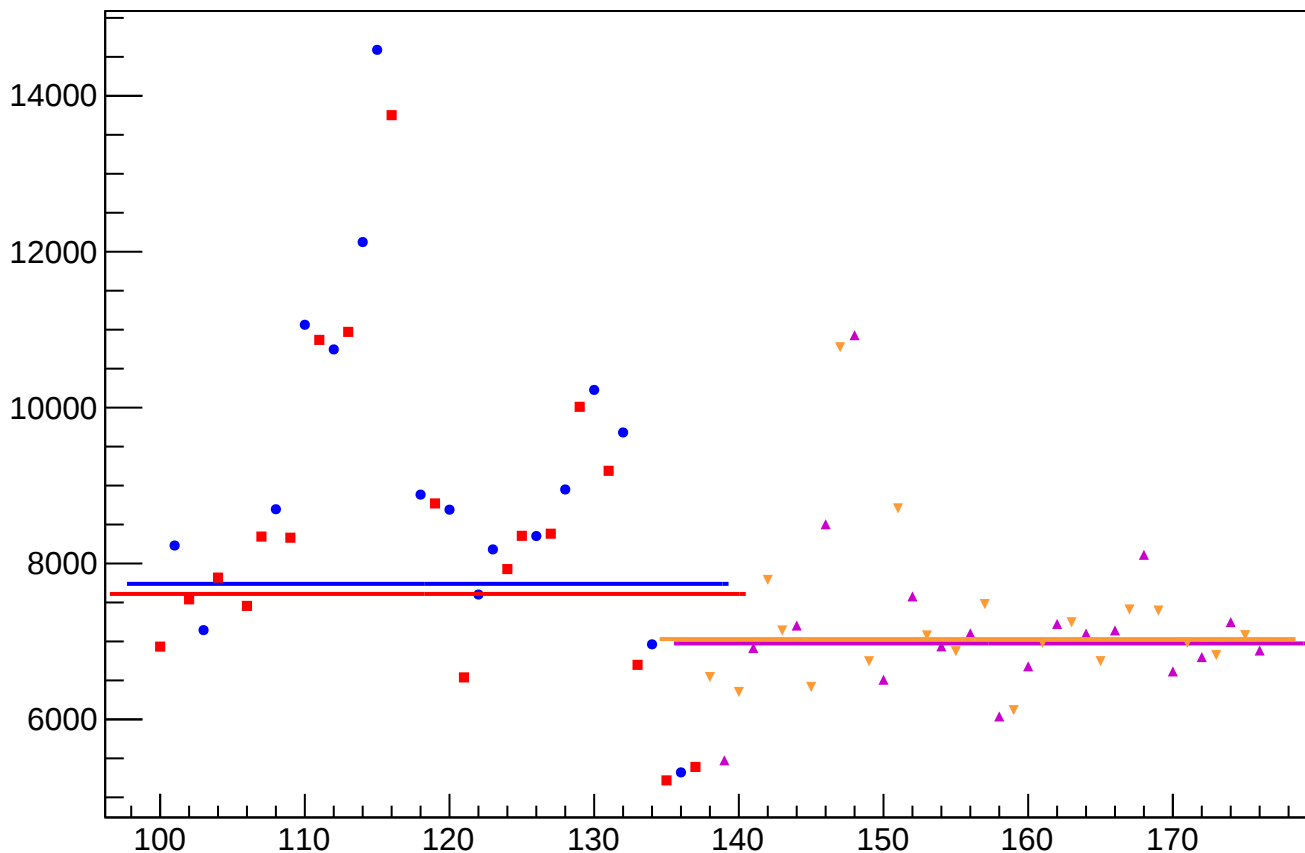
Left In: 1.261 ± 1.844 χ^2/NDF : 33.3/18

+ sign 2.484 ± 1.573 χ^2/NDF : 31.8/36

All: 2.433 ± 1.108 χ^2/NDF : 85.8/74

- sign 2.383 ± 1.561 χ^2/NDF : 54.0/37

diff_bpm4aY_rms vs Slug



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

Left Out: 7030.644 $\pm$ 1.295 χ^2 /NDF: 347370.2/19

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

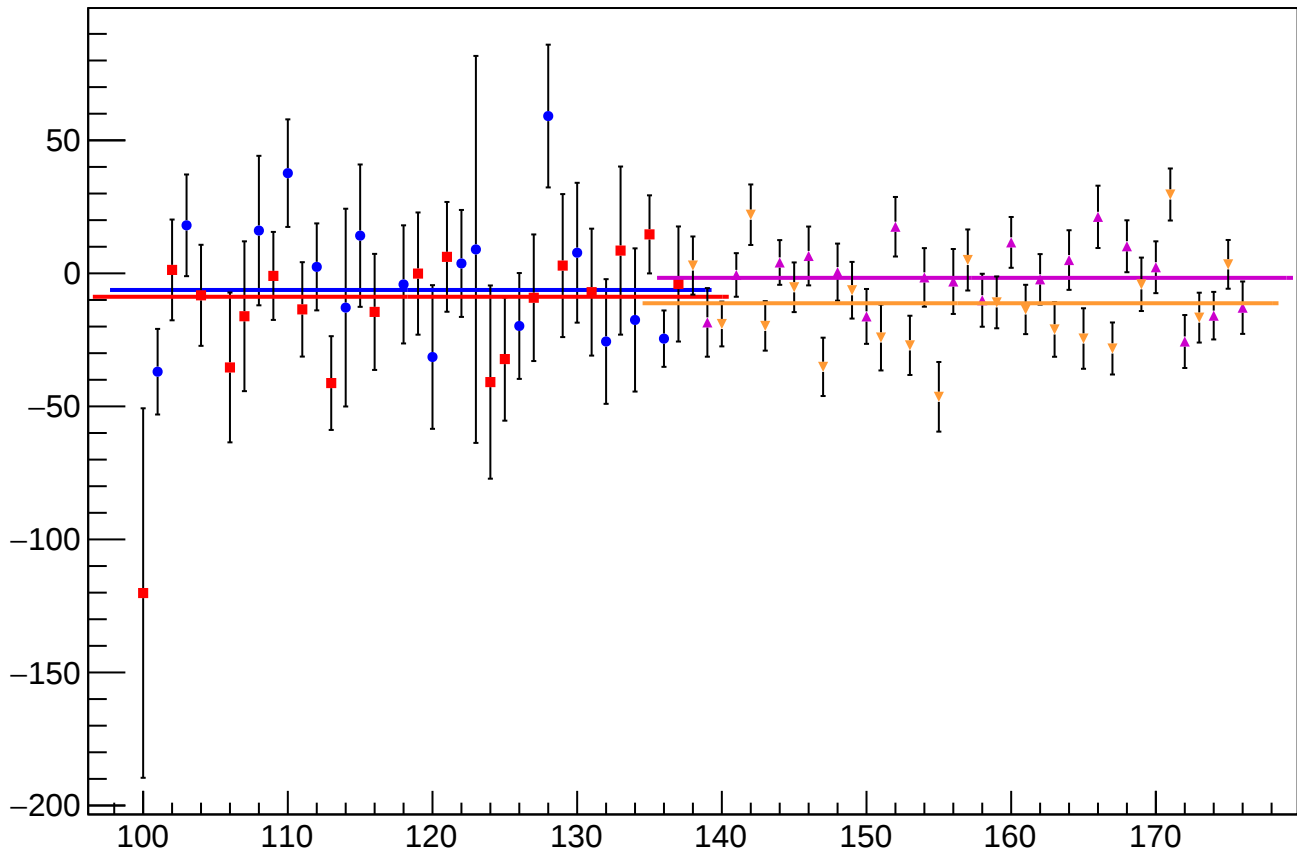
Left In: 6974.420 $\pm$ 1.304 χ^2 /NDF: 462544.4/18

+ sign 7216.438 $\pm$ 1.112 χ^2 /NDF: 1166673.2/36

All: 7185.004 $\pm$ 0.784 χ^2 /NDF: 2377112.0/74

- sign 7154.035 $\pm$ 1.104 χ^2 /NDF: 1208853.2/37

diff_bpm4eX_mean vs Slug



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

Left Out: -11.234 ± 2.282 χ^2/NDF : 55.9/19

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

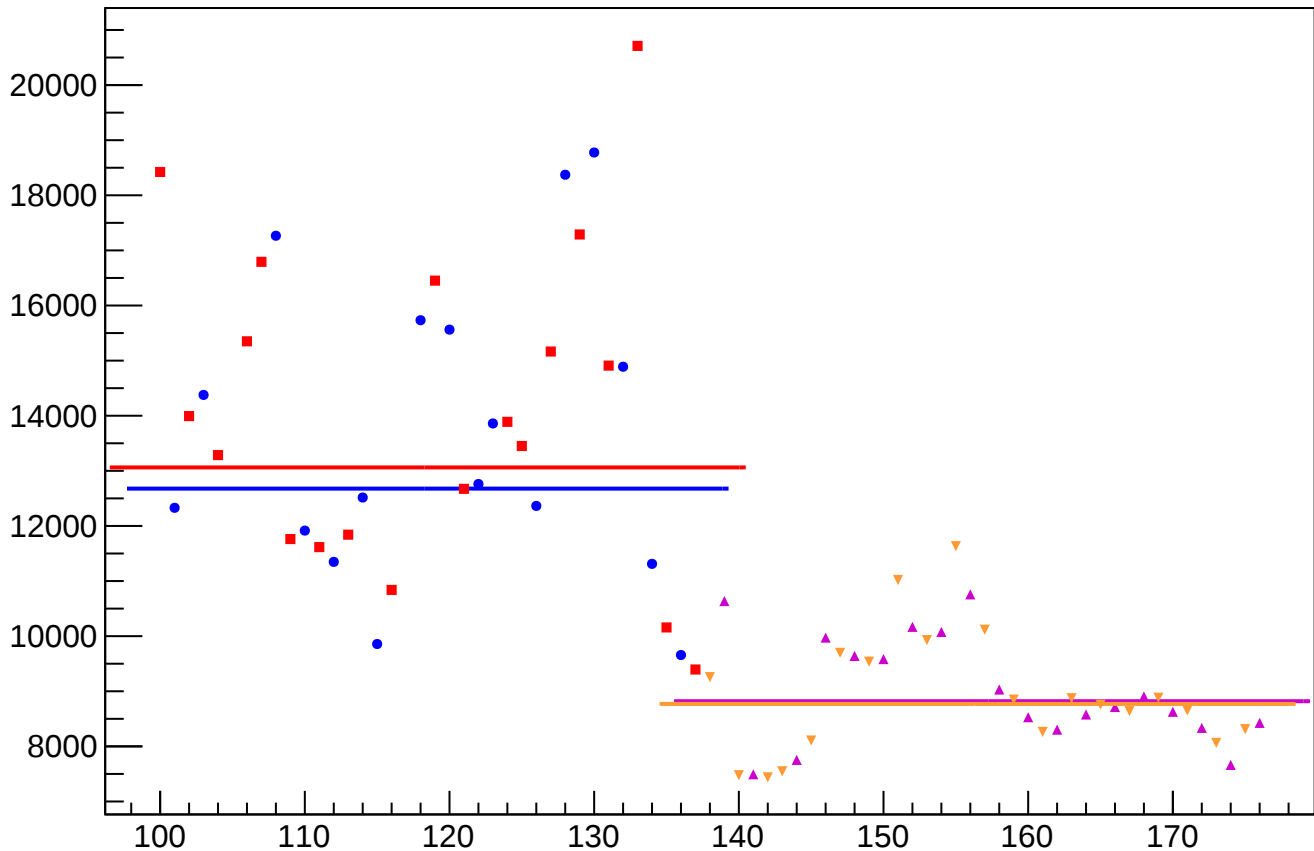
Left In: -1.692 ± 2.321 χ^2/NDF : 25.8/18

+ sign -10.379 ± 2.078 χ^2/NDF : 79.9/36

All: -6.714 ± 1.479 χ^2/NDF : 126.8/74

- sign -2.953 ± 2.105 χ^2/NDF : 40.6/37

diff_bpm4eX_rms vs Slug



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

Left Out: 8770.480+/-1.614 χ^2/NDF : 382570.9/19

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

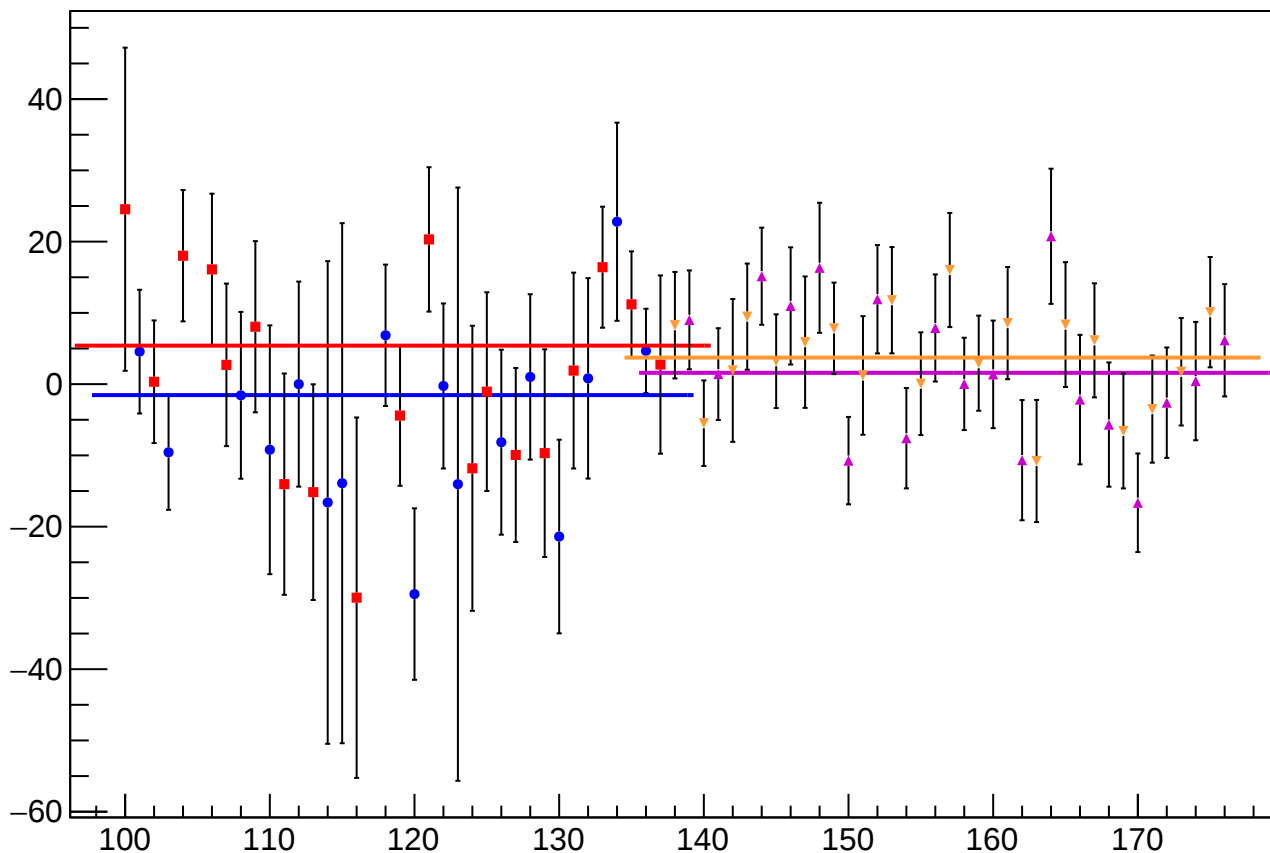
Left In: 8819.886+/-1.641 χ^2/NDF : 326448.1/18

+ sign 9440.381+/-1.469 χ^2/NDF : 1940999.4/36

All: 9505.268+/-1.046 χ^2/NDF : 3953508.0/74

- sign 9571.874+/-1.488 χ^2/NDF : 2008555.1/37

diff_bpm4eY_mean vs Slug



Right In: -1.538 ± 2.790 χ^2/NDF : 14.8/16

Left Out: 3.727 ± 1.695 χ^2/NDF : 14.6/19

Right Out: 5.405 ± 2.640 χ^2/NDF : 18.6/18

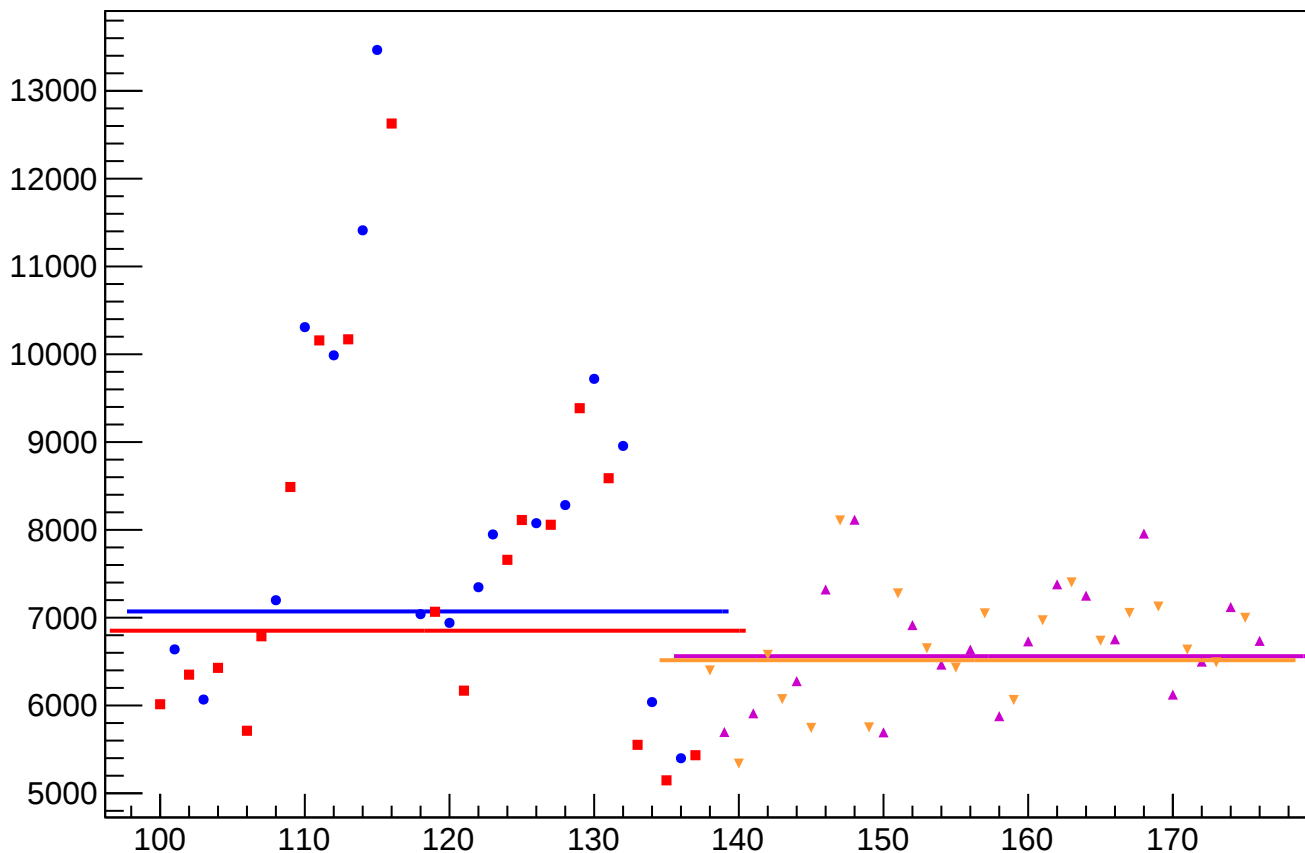
Left In: 1.589 ± 1.728 χ^2/NDF : 32.0/18

+ sign 2.309 ± 1.448 χ^2/NDF : 32.1/36

All: 2.521 ± 1.023 χ^2/NDF : 84.2/74

- sign 2.733 ± 1.446 χ^2/NDF : 52.1/37

diff_bpm4eY_rms vs Slug



Right In: 7071.043+/-1.973 χ^2/NDF : 600748.1/16

Left Out: 6515.559+/-1.198 χ^2/NDF : 294001.3/19

Right Out: 6851.604+/-1.866 χ^2/NDF : 684398.7/18

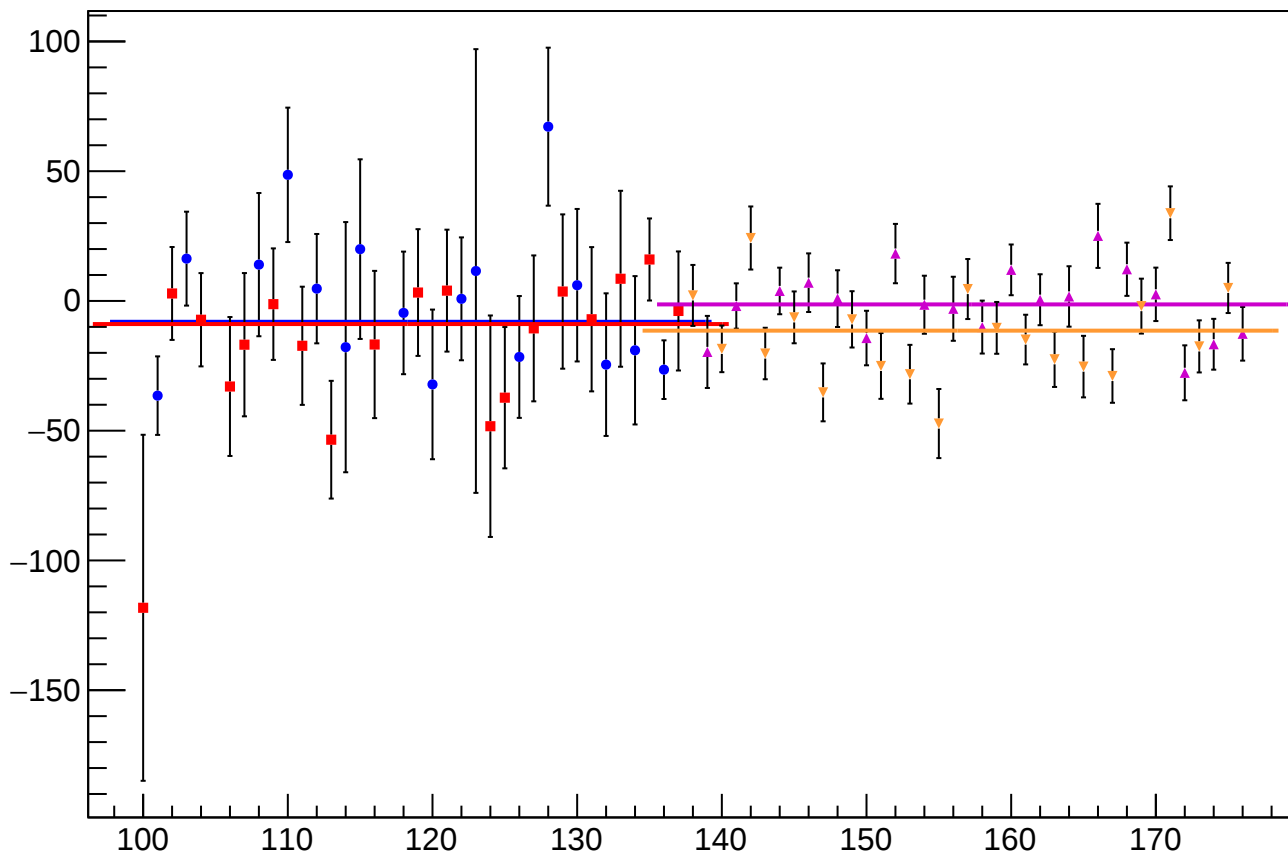
Left In: 6561.431+/-1.222 χ^2/NDF : 298005.7/18

+ sign 6665.231+/-1.024 χ^2/NDF : 952652.5/36

All: 6656.825+/-0.723 χ^2/NDF : 1952112.2/74

- sign 6648.453+/-1.022 χ^2/NDF : 999325.3/37

diff_bpm4acX_mean vs Slug



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

Left Out: -11.445 ± 2.388 χ^2/NDF : 57.5/19

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

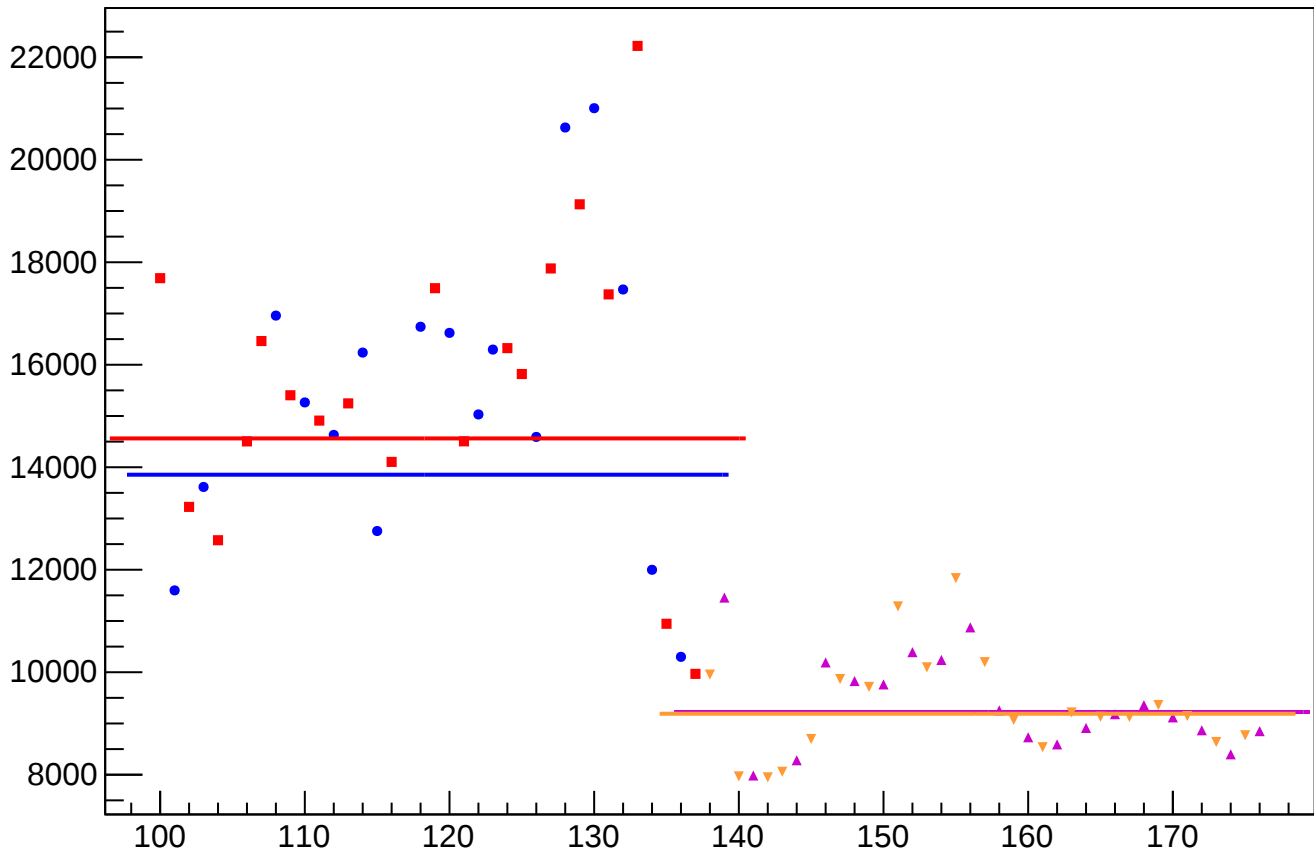
Left In: -1.334 ± 2.424 χ^2/NDF : 26.2/18

+ sign -10.904 ± 2.190 χ^2/NDF : 80.4/36

All: -6.784 ± 1.560 χ^2/NDF : 129.0/74

- sign -2.541 ± 2.222 χ^2/NDF : 41.4/37

diff_bpm4acX_rms vs Slug



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

Left Out: 9189.738+/-1.688 χ^2/NDF : 291064.5/19

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

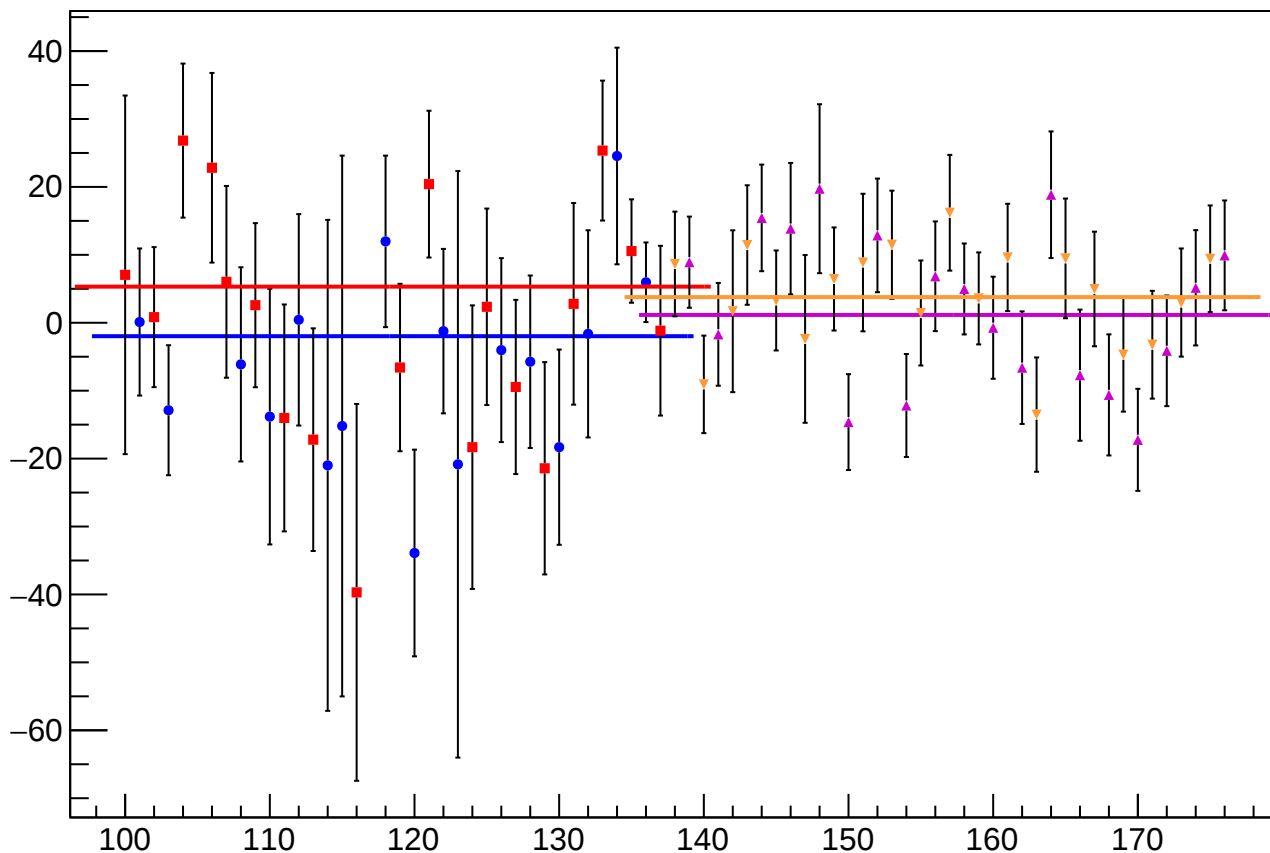
Left In: 9224.225+/-1.714 χ^2/NDF : 247672.8/18

+ sign 9929.916+/-1.548 χ^2/NDF : 2103397.1/36

All: 10001.421+/-1.103 χ^2/NDF : 4375941.8/7

- sign 10075.051+/-1.571 χ^2/NDF : 2268216.7/37

diff_bpm4acY_mean vs Slug



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

Left Out: 3.777 ± 1.840 χ^2/NDF : 15.7/19

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

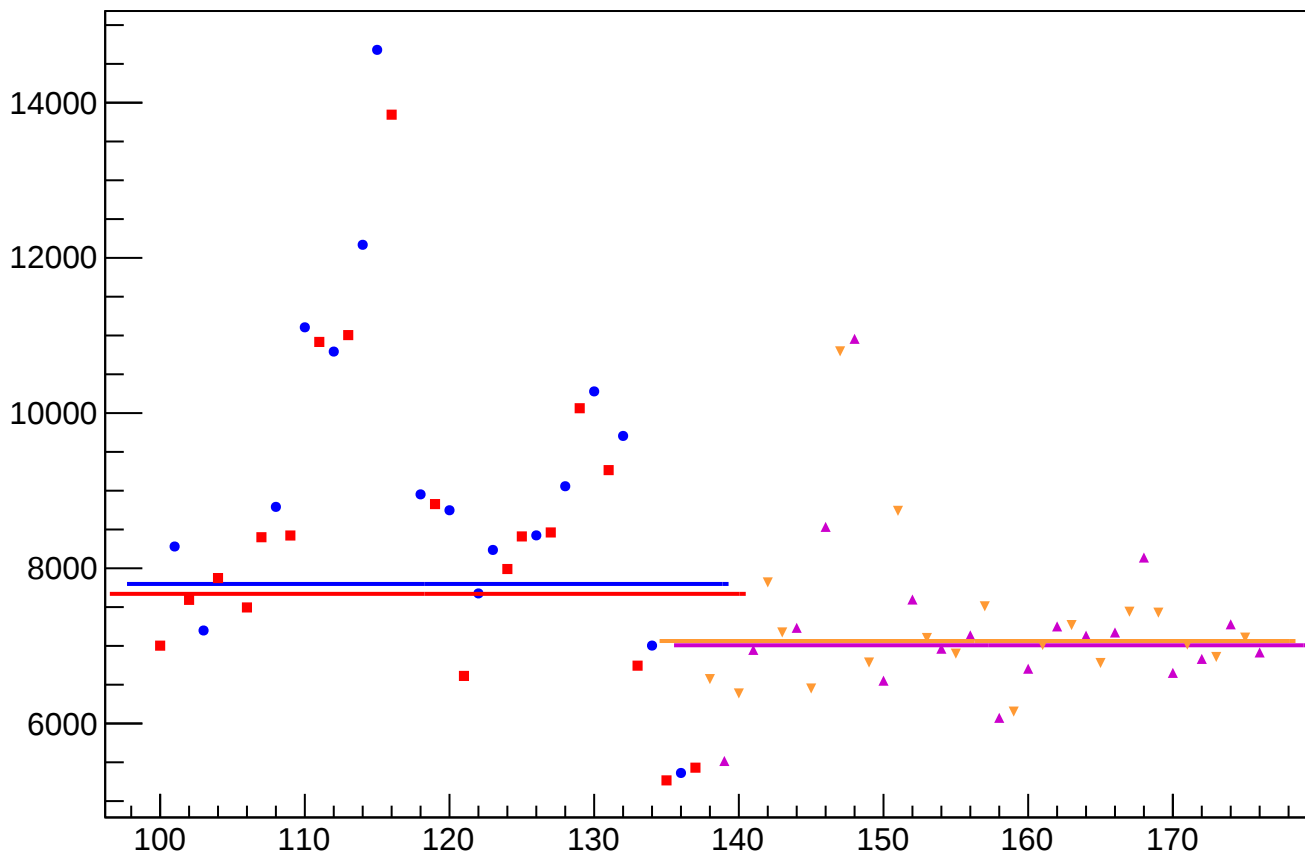
Left In: 1.150 ± 1.852 χ^2/NDF : 34.6/18

+ sign 2.274 ± 1.581 χ^2/NDF : 32.3/36

All: 2.299 ± 1.114 χ^2/NDF : 92.6/74

- sign 2.324 ± 1.570 χ^2/NDF : 60.3/37

diff_bpm4acY_rms vs Slug



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

Left Out: 7062.940+/-1.301 χ^2/NDF :343434.6/19

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

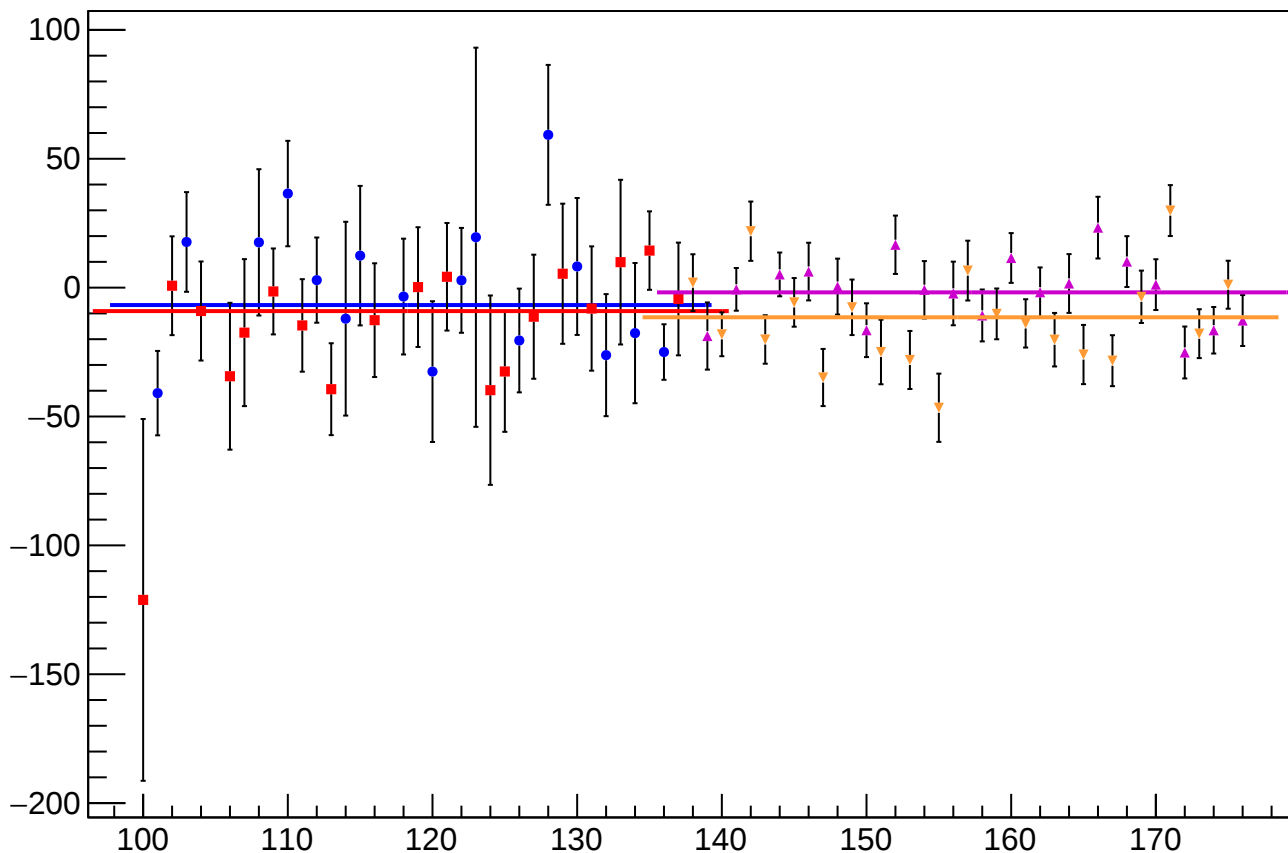
Left In: 7007.912+/-1.310 χ^2/NDF :455468.7/18

+ sign 7254.985+/-1.118 χ^2/NDF : 1163183.8/36

All: 7224.521+/-0.788 χ^2/NDF : 2364908.2/74

- sign 7194.491+/-1.110 χ^2/NDF : 1200250.1/37

diff_bpm4ecX_mean vs Slug



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

Left Out: -11.503 ± 2.308 χ^2/NDF : 54.8/19

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

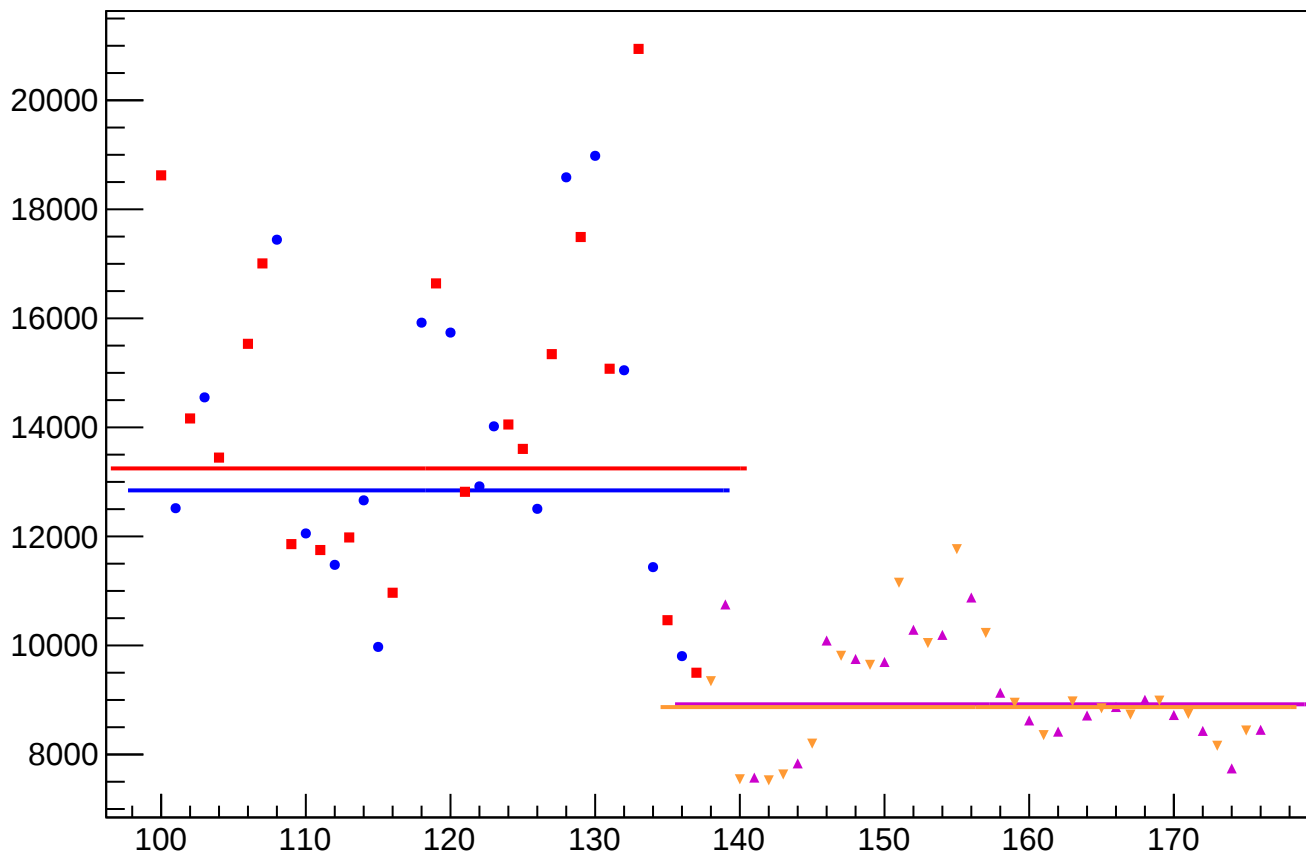
Left In: -1.834 ± 2.348 χ^2/NDF : 25.6/18

+ sign -10.693 ± 2.102 χ^2/NDF : 79.2/36

All: -6.956 ± 1.496 χ^2/NDF : 125.2/74

- sign -3.117 ± 2.130 χ^2/NDF : 39.5/37

diff_bpm4ecX_rms vs Slug



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

Left Out: 8869.357+/-1.632 χ^2/NDF : 383112.4/19

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

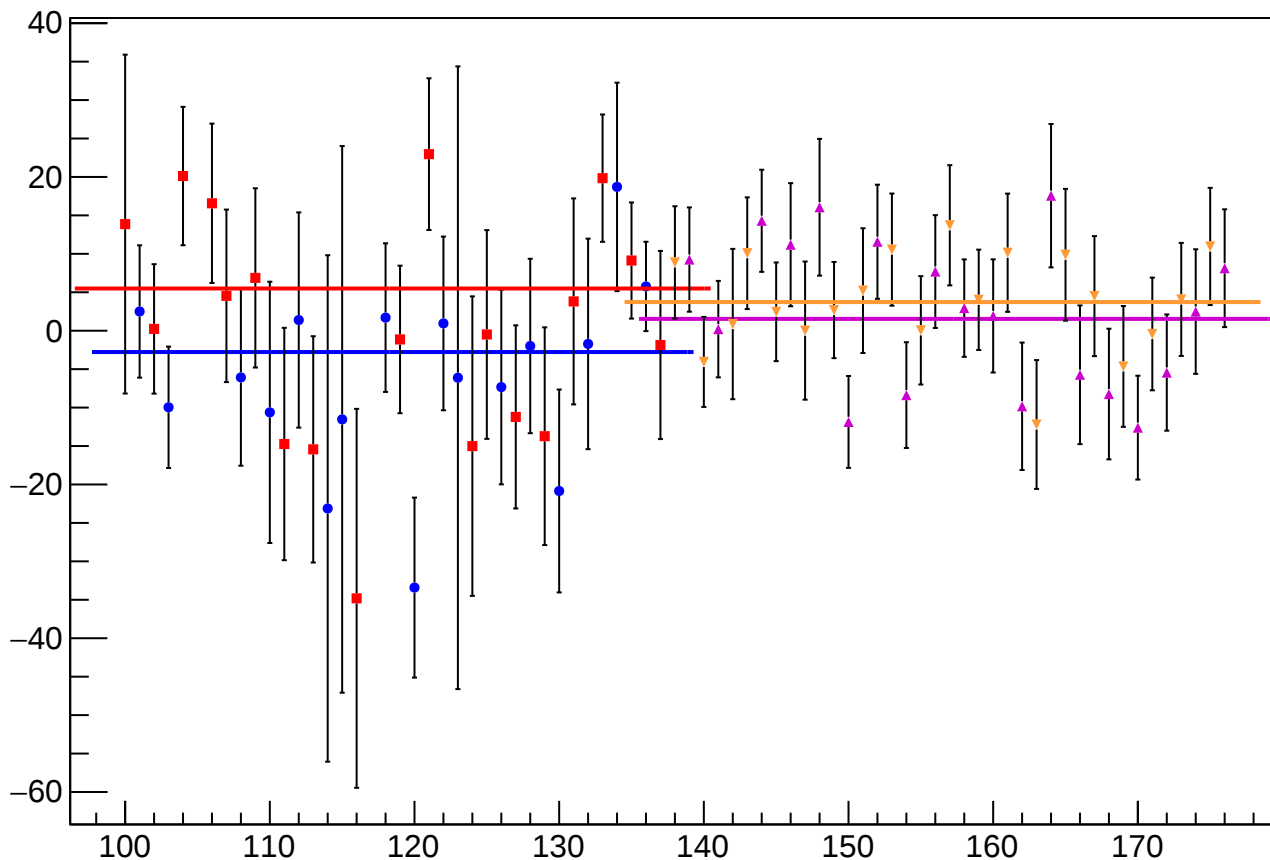
Left In: 8920.222+/-1.660 χ^2/NDF : 328049.1/18

+ sign 9548.553+/-1.486 χ^2/NDF : 1943803.8/36

All: 9615.382+/-1.058 χ^2/NDF : 3960838.0/74

- sign 9684.037+/-1.506 χ^2/NDF : 2012935.0/37

diff_bpm4ecY_mean vs Slug



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

Left Out: 3.725 ± 1.655 χ^2/NDF : 13.4/19

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

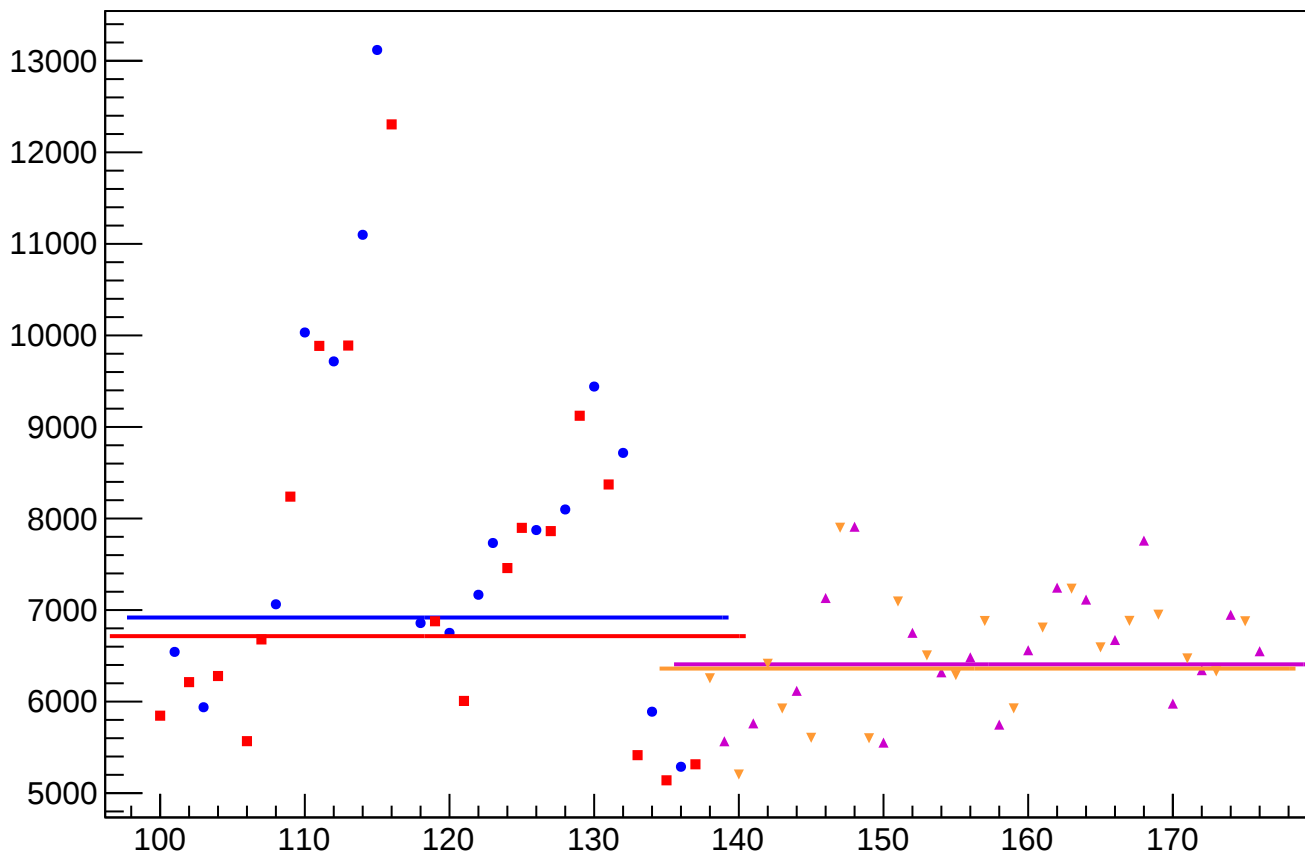
Left In: 1.537 ± 1.688 χ^2/NDF : 31.6/18

+ sign 1.981 ± 1.415 χ^2/NDF : 33.4/36

All: 2.349 ± 1.000 χ^2/NDF : 90.0/74

- sign 2.717 ± 1.413 χ^2/NDF : 56.4/37

diff_bpm4ecY_rms vs Slug



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

Left Out: 6360.677+/-1.170 χ^2/NDF : 296784.5/19

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

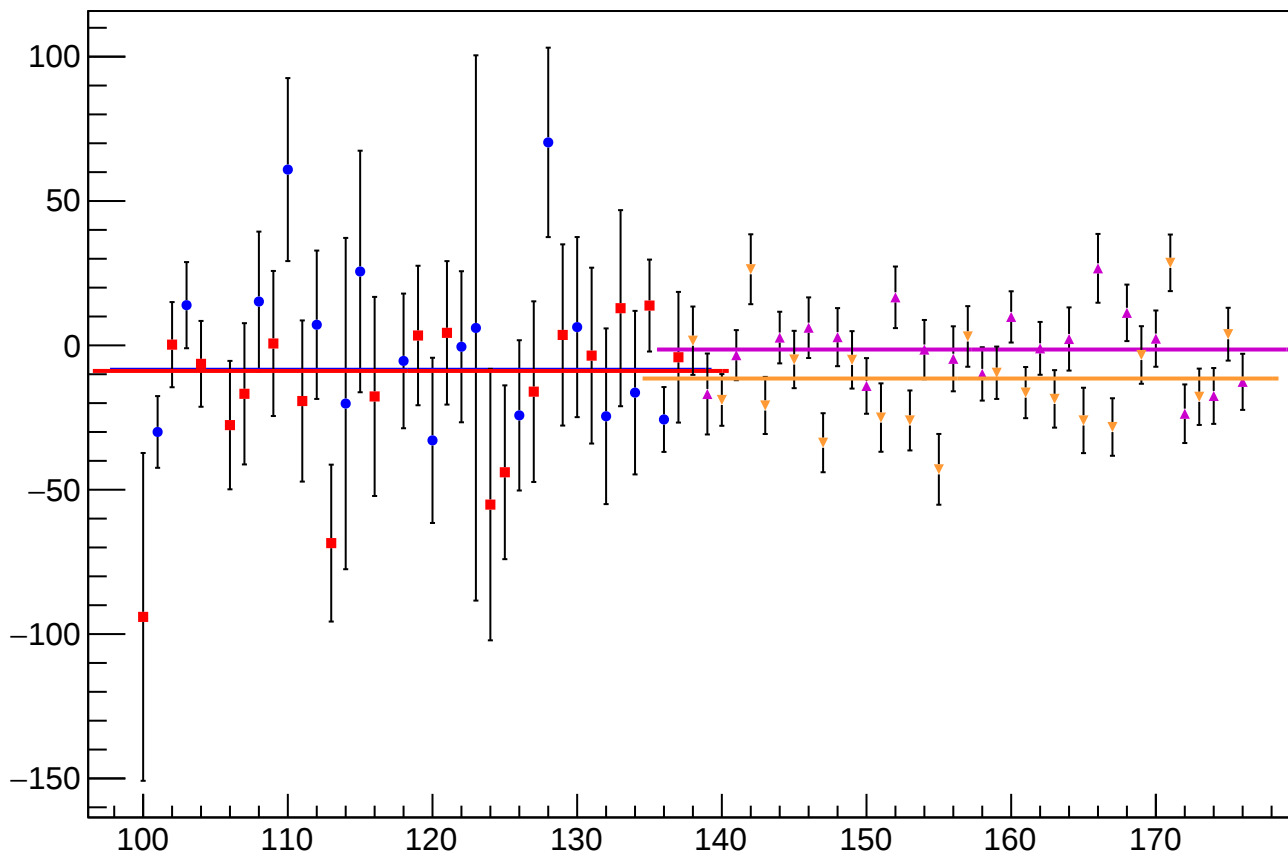
Left In: 6406.833+/-1.193 χ^2/NDF : 299507.8/18

+ sign 6510.389+/-1.001 χ^2/NDF : 944835.1/36

All: 6504.589+/-0.707 χ^2/NDF : 1920327.1/74

- sign 6498.803+/-0.999 χ^2/NDF : 975424.9/37

diff_bpm1X_mean vs Slug



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

Left Out: -11.482 ± 2.268 χ^2/NDF : 55.9/19

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

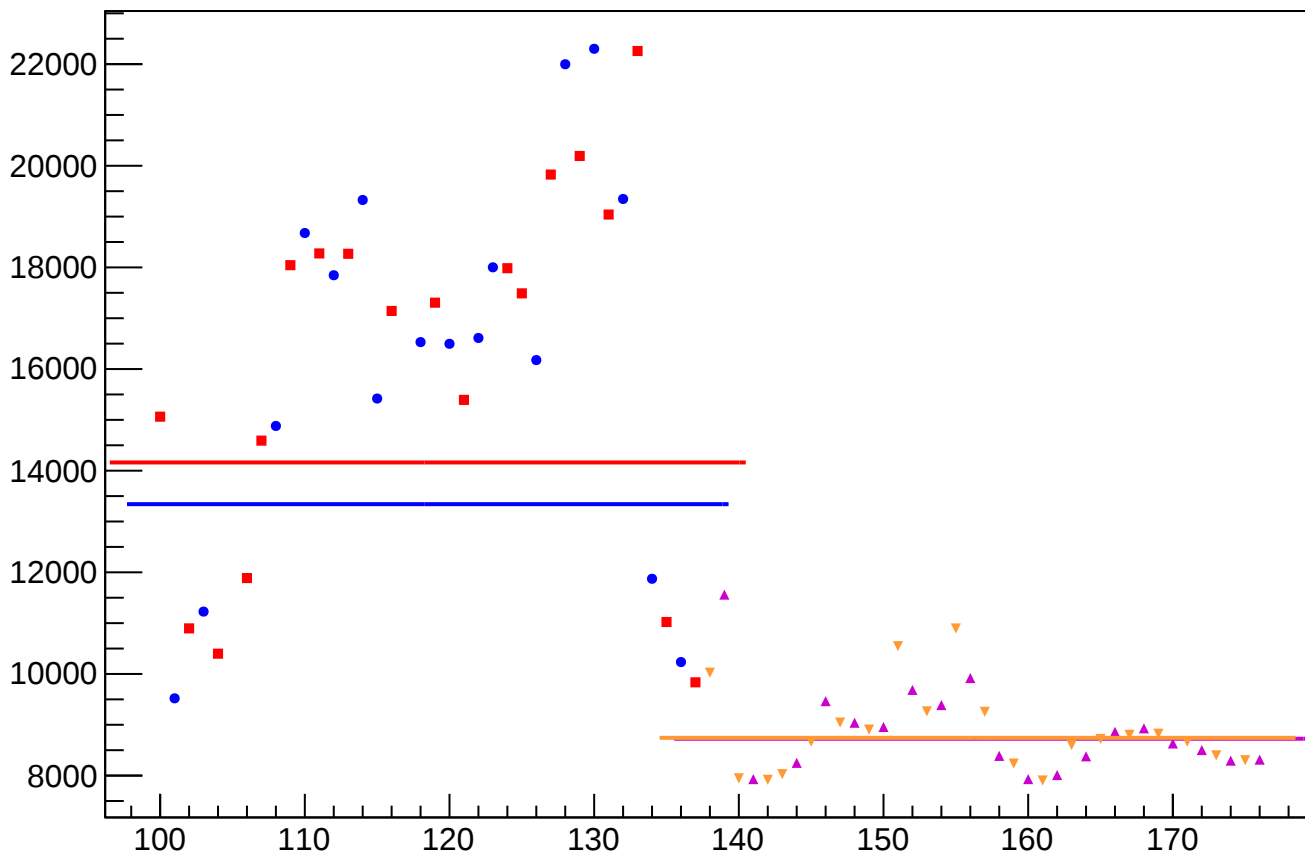
Left In: -1.439 ± 2.291 χ^2/NDF : 25.7/18

+ sign -11.026 ± 2.091 χ^2/NDF : 78.2/36

All: -6.829 ± 1.487 χ^2/NDF : 127.8/74

- sign -2.532 ± 2.116 χ^2/NDF : 41.5/37

diff_bpm1X_rms vs Slug



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

Left Out: 8742.942+/-1.604 χ^2/NDF : 211275.0/19

+ sign 9434.020+/-1.478 χ^2/NDF : 2491184.8/36

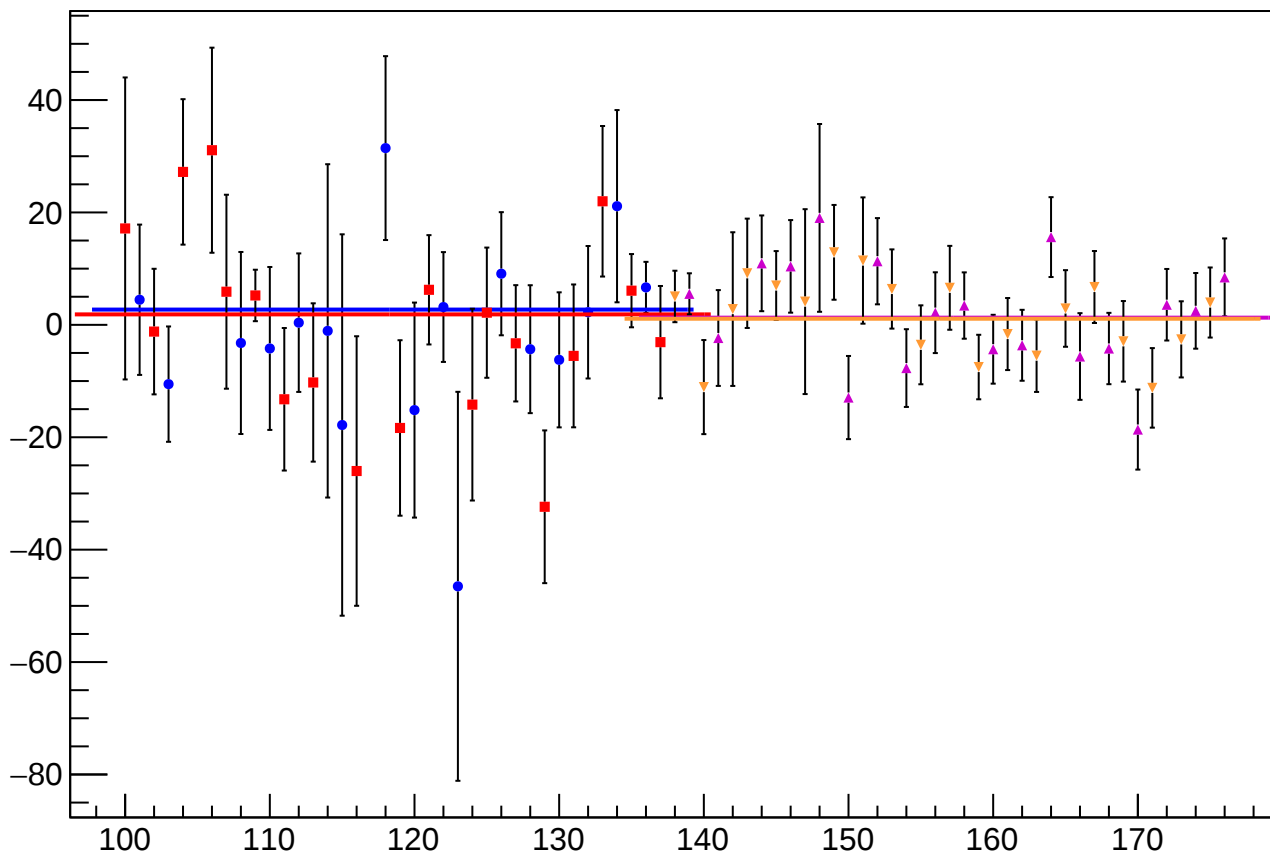
Right Out: 14161.826+/-3.895 χ^2/NDF : 931787.3/18

All: 9480.024+/-1.052 χ^2/NDF : 5292967.8/74

- sign 9527.124+/-1.496 χ^2/NDF : 2799823.3/37

Left In: 8725.225+/-1.620 χ^2/NDF : 207173.6/18

diff_bpm1Y_mean vs Slug



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

Left Out: 1.089 ± 1.581 χ^2/NDF : 17.0/19

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

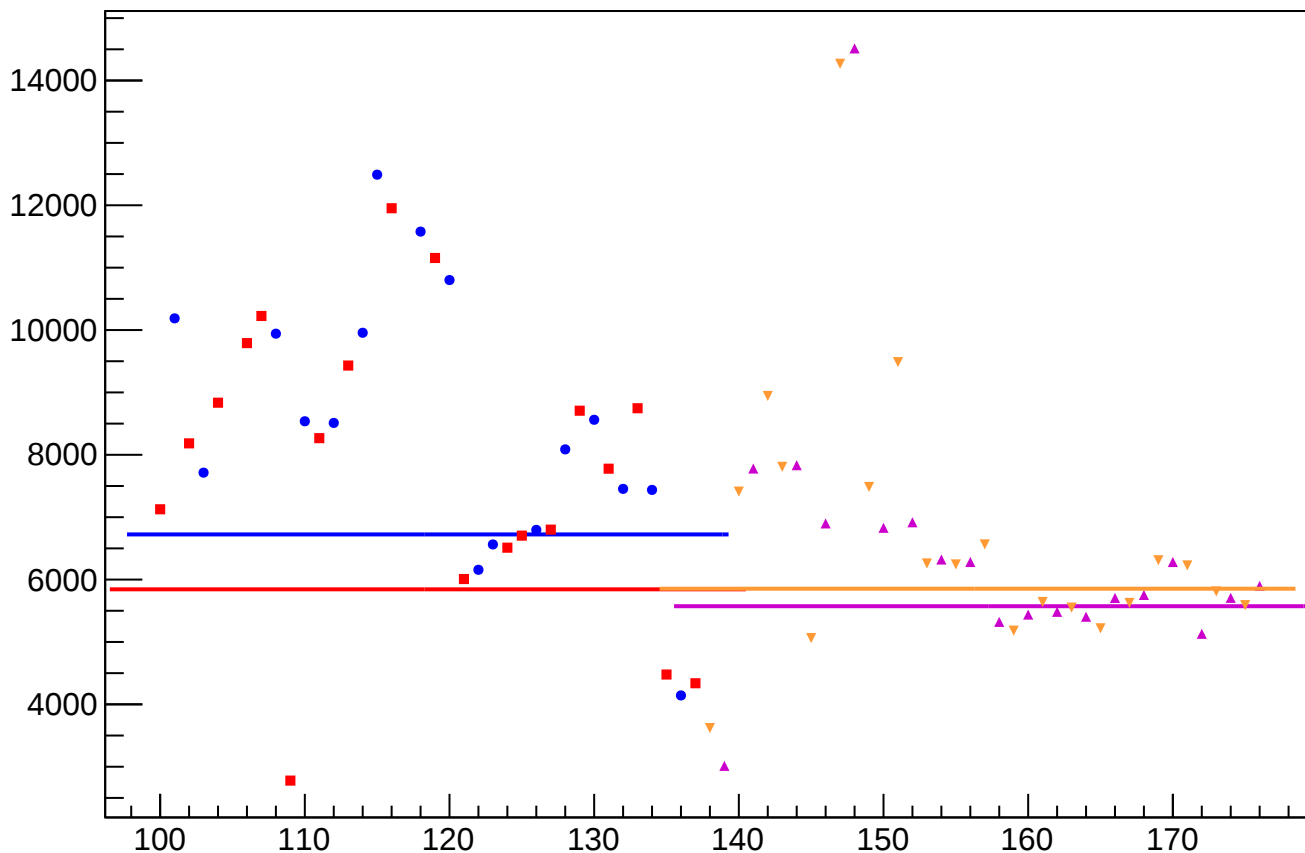
Left In: 1.278 ± 1.533 χ^2/NDF : 28.5/18

+ sign 1.493 ± 1.371 χ^2/NDF : 28.9/36

All: 1.467 ± 0.943 χ^2/NDF : 81.0/74

- sign 1.443 ± 1.298 χ^2/NDF : 52.1/37

diff_bpm1Y_rms vs Slug



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

Left Out: 5853.498+/-1.118 χ^2/NDF : 1670821.4/19

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

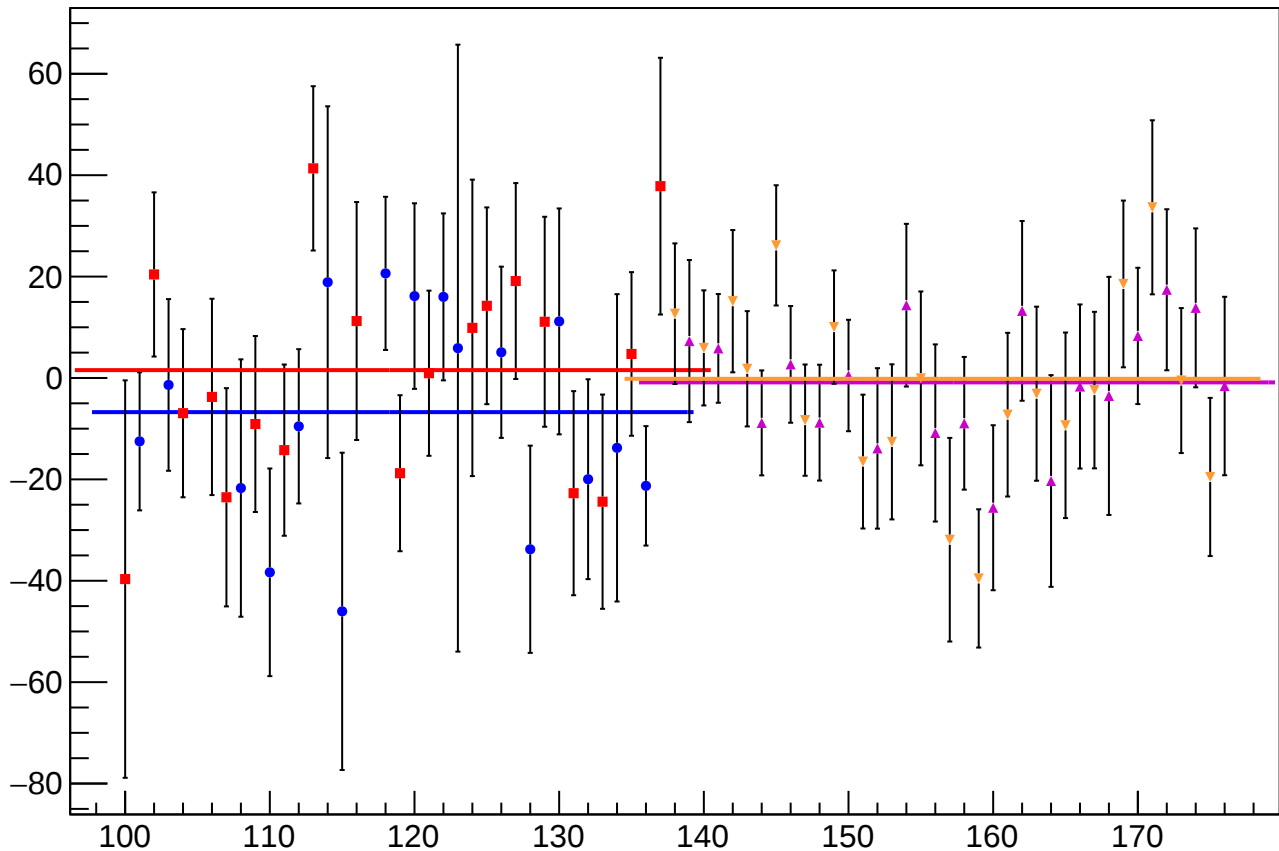
Left In: 5573.022+/-1.084 χ^2/NDF : 2084862.6/18

+ sign 6069.444+/-0.969 χ^2/NDF : 3213306.1/36

All: 5848.140+/-0.666 χ^2/NDF : 7691925.7/74

- sign 5649.726+/-0.918 χ^2/NDF : 4379760.5/37

diff_bpm11X_mean vs Slug



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

Left Out: -0.160 ± 3.147 χ^2/NDF : 28.9/19

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

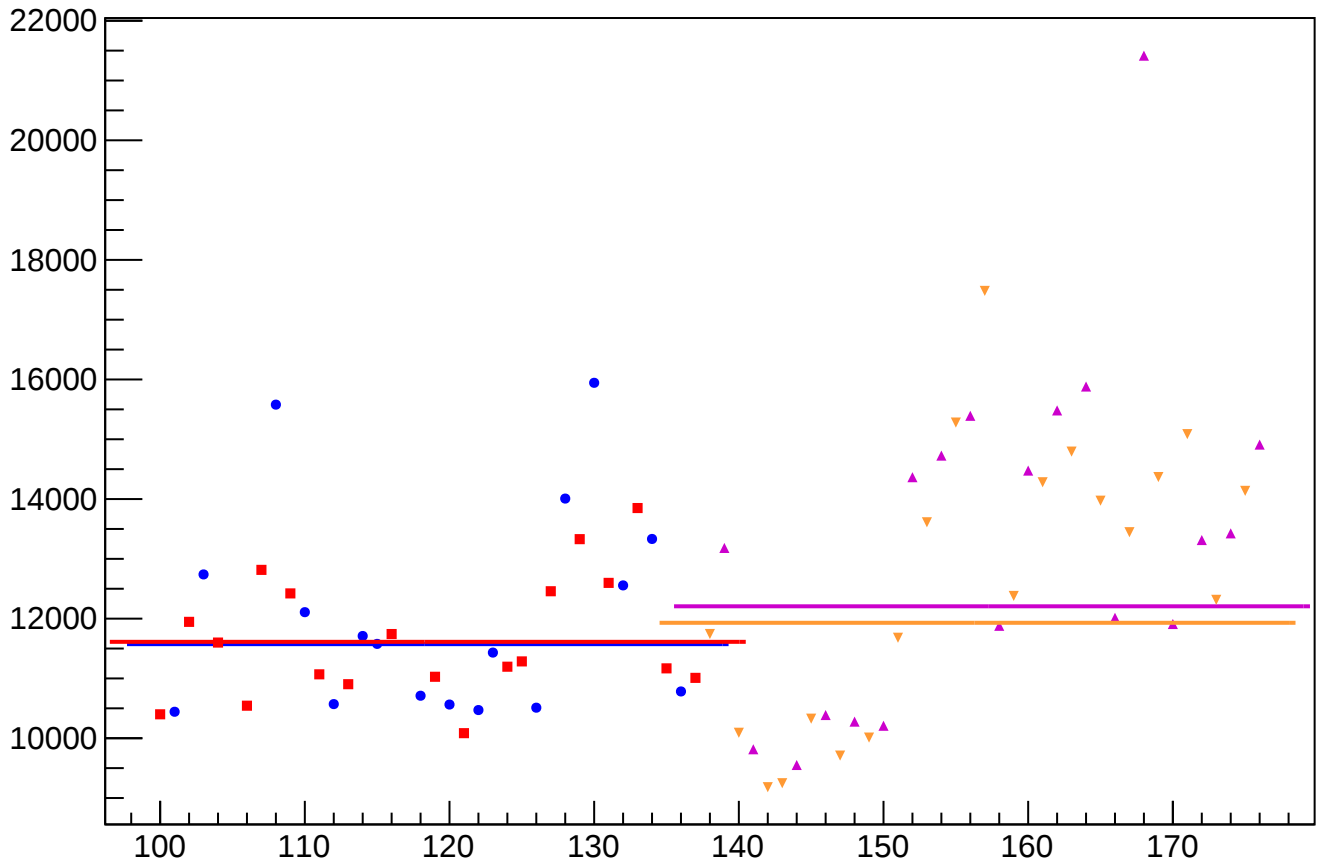
Left In: -0.871 ± 3.260 χ^2/NDF : 10.6/18

+ sign -2.312 ± 2.582 χ^2/NDF : 47.2/36

All: -1.173 ± 1.837 χ^2/NDF : 78.4/74

- sign -0.006 ± 2.614 χ^2/NDF : 30.8/37

diff_bpm11X_rms vs Slug



Right In: 11573.490 ± 3.191 $\chi^2/\text{NDF}: 238734.7/16$

Left Out: 11930.644 ± 2.226 $\chi^2/\text{NDF}: 969573.1/19$

Right Out: 11612.220 ± 3.092 $\chi^2/\text{NDF}: 94308.1/18$

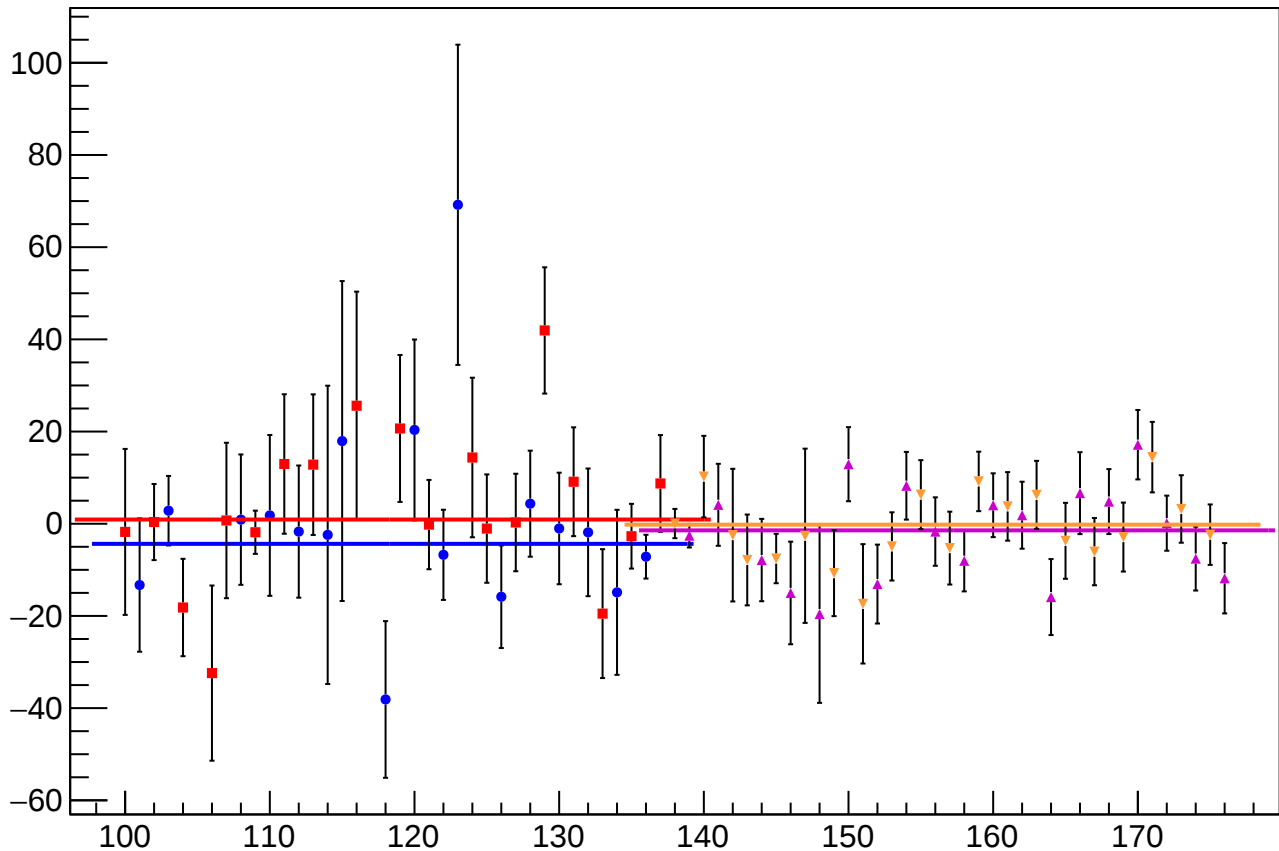
Left In: 12206.416 ± 2.305 $\chi^2/\text{NDF}: 1112769.7/18$

+ sign 11813.773 ± 1.825 $\chi^2/\text{NDF}: 1216735.2/36$

All: 11902.834 ± 1.299 $\chi^2/\text{NDF}: 2452372.5/71$

- sign 11994.115 ± 1.848 $\chi^2/\text{NDF}: 1230817.3/37$

diff_bpm11Y_mean vs Slug



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

Left Out: -0.200 ± 1.571 χ^2/NDF : 16.7/19

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

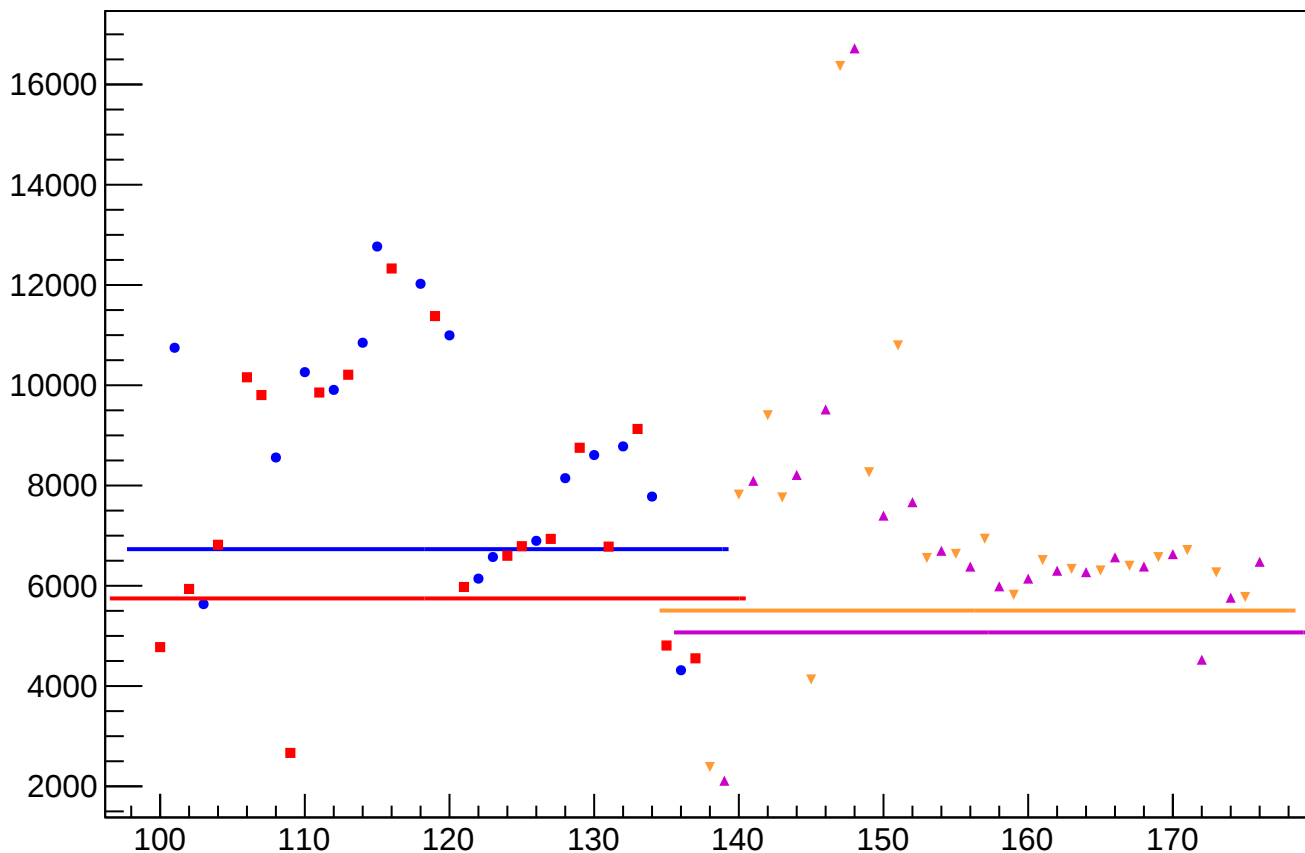
Left In: -1.437 ± 1.494 χ^2/NDF : 25.6/18

+ sign -1.209 ± 1.367 χ^2/NDF : 32.9/36

All: -0.985 ± 0.931 χ^2/NDF : 82.7/74

- sign -0.790 ± 1.272 χ^2/NDF : 49.8/37

diff_bpm11Y_rms vs Slug



Right In: 6730.725 $\pm$ 1.963 χ^2 /NDF: 1445240.4/16

Left Out: 5506.428 $\pm$ 1.111 χ^2 /NDF: 4001252.2/19

Right Out: 5747.643 $\pm$ 1.716 χ^2 /NDF: 2162236.7/18

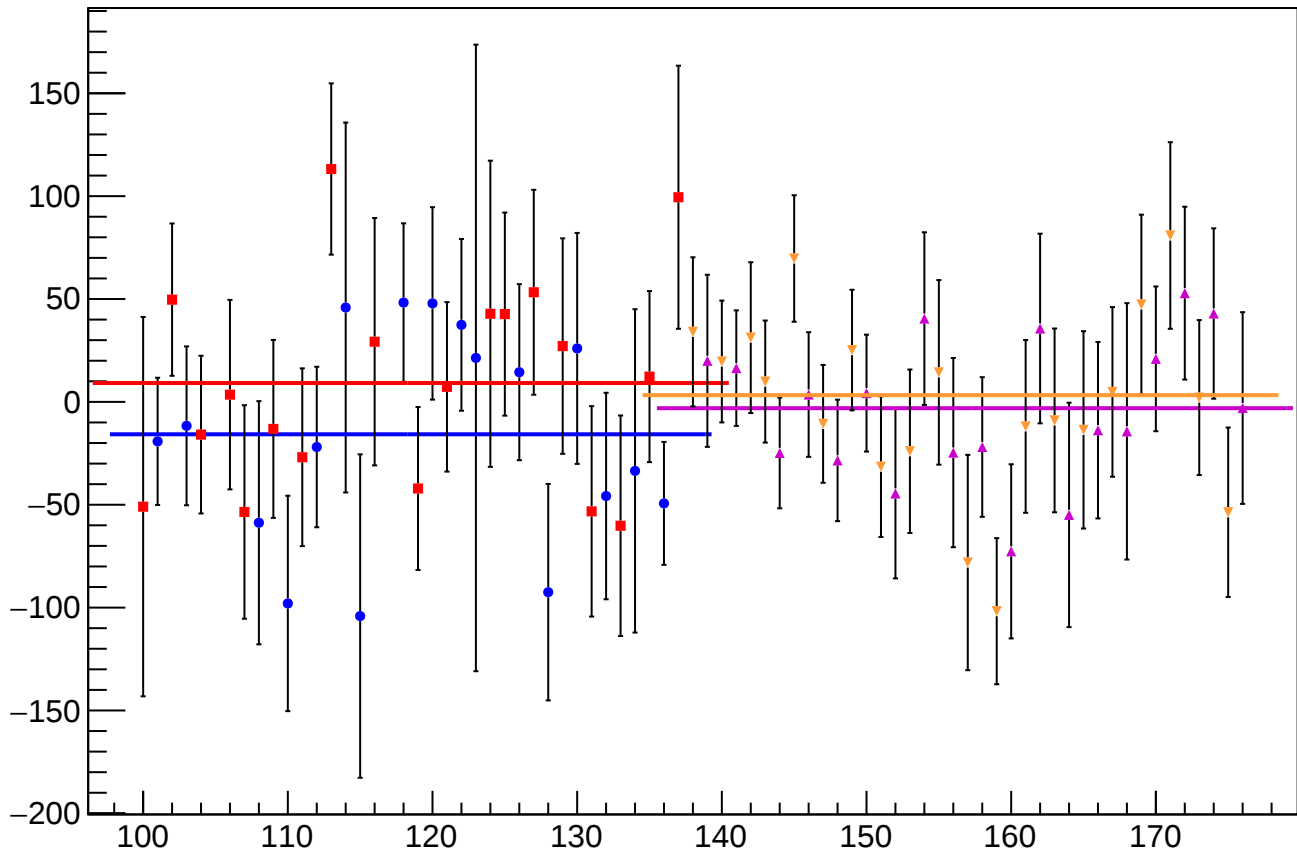
Left In: 5069.941 $\pm$ 1.057 χ^2 /NDF: 5213190.3/18

+ sign 5803.405 $\pm$ 0.967 χ^2 /NDF: 5741086.3/36

All: 5510.206 $\pm$ 0.659 χ^2 /NDF: 13401235.0/7

- sign 5256.336 $\pm$ 0.900 χ^2 /NDF: 7488565.3/37

diff_bpm12X_mean vs Slug



Right In: -15.751 ± 11.207 $\chi^2/\text{NDF}: 15.9/16$

Left Out: 3.275 ± 8.229 $\chi^2/\text{NDF}: 26.0/19$

Right Out: 9.179 ± 10.889 $\chi^2/\text{NDF}: 19.3/18$

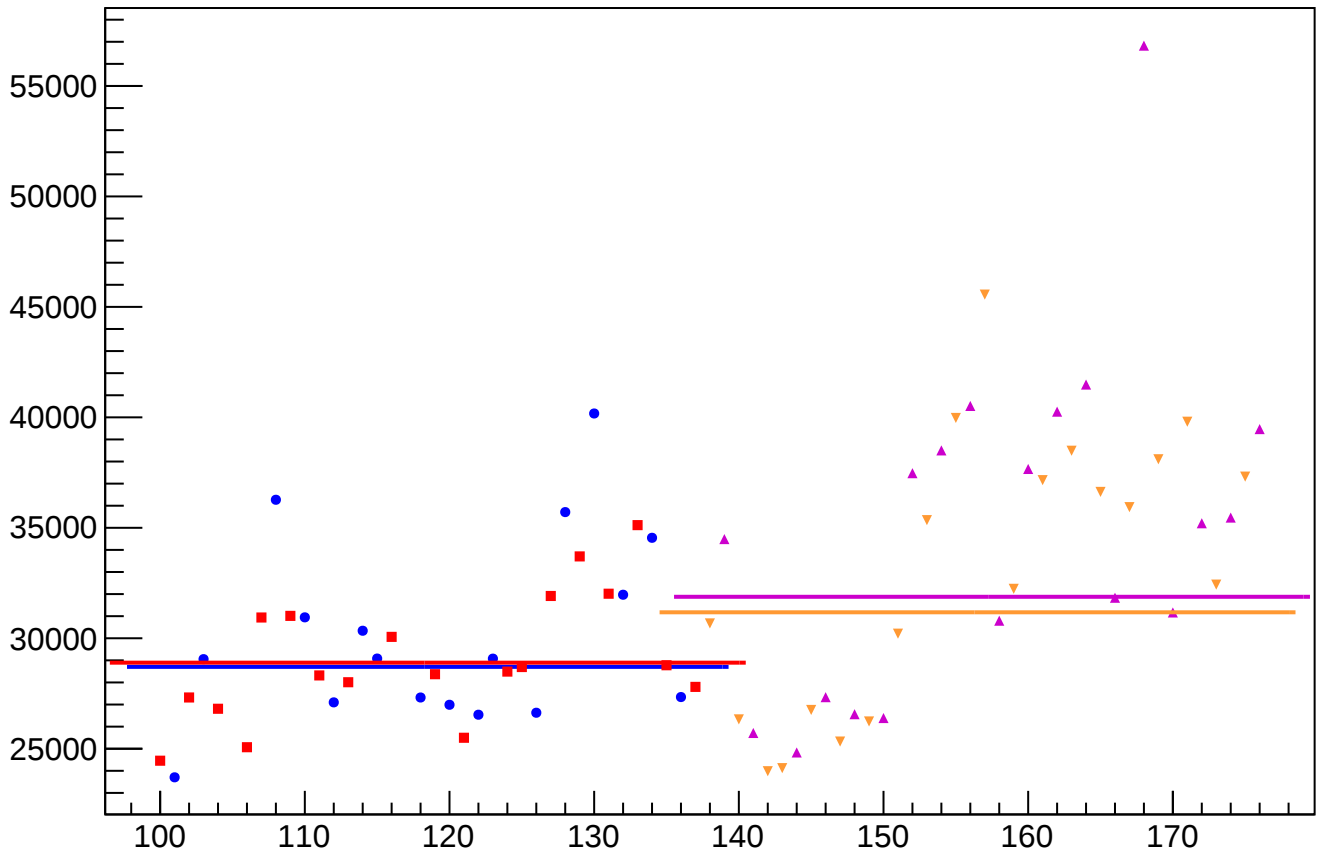
Left In: -3.064 ± 8.520 $\chi^2/\text{NDF}: 12.8/18$

+ sign -3.390 ± 6.633 $\chi^2/\text{NDF}: 43.8/36$

All: -0.931 ± 4.717 $\chi^2/\text{NDF}: 76.9/74$

- sign 1.585 ± 6.710 $\chi^2/\text{NDF}: 32.8/37$

diff_bpm12X_rms vs Slug



Right In: 28705.569 $\pm$ 7.925 χ^2 /NDF: 250992.5/16

Left Out: 31175.454 $\pm$ 5.819 χ^2 /NDF:995403.2/19

Right Out: 28895.535 $\pm$ 7.700 χ^2 /NDF: 111212.6/18

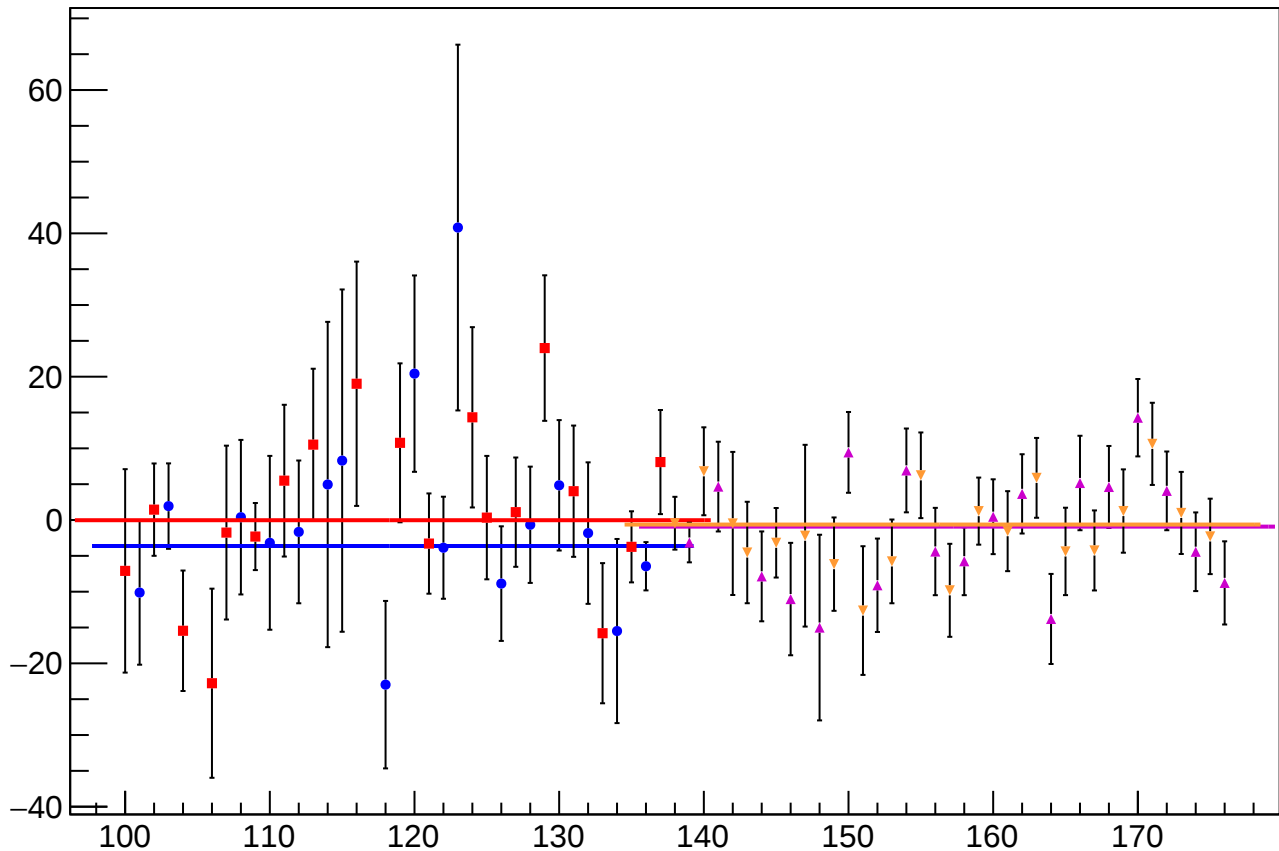
Left In: 31877.632 $\pm$ 6.024 χ^2 /NDF:1152442.6/18

+ sign 30310.294 $\pm$ 4.690 χ^2 /NDF: 1309504.8/36

All: 30525.272 $\pm$ 3.336 χ^2 /NDF: 2670451.1/7

- sign 30745.268 $\pm$ 4.745 χ^2 /NDF: 1356695.7/37

diff_bpm12Y_mean vs Slug



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

Left Out: -0.633 ± 1.300 χ^2/NDF : 15.2/19

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

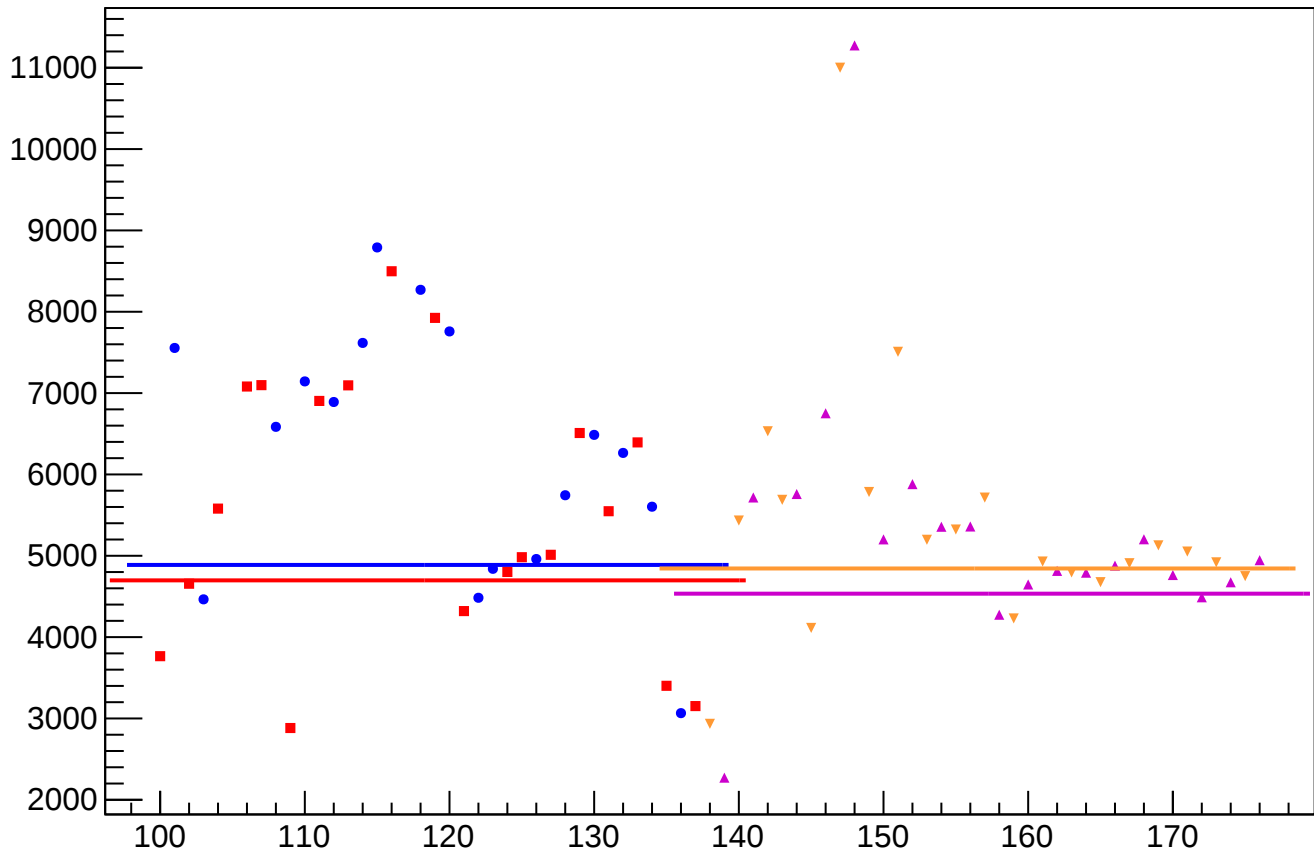
Left In: -0.921 ± 1.251 χ^2/NDF : 31.4/18

+ sign -1.518 ± 1.091 χ^2/NDF : 30.5/36

All: -1.064 ± 0.754 χ^2/NDF : 84.4/74

- sign -0.649 ± 1.043 χ^2/NDF : 53.6/37

diff_bpm12Y_rms vs Slug



Right In: 4887.515 ± 1.418 χ^2/NDF : 1409296.8/16

Left Out: 4843.834 ± 0.919 χ^2/NDF : 1477487.0/19

Right Out: 4697.726 ± 1.336 χ^2/NDF : 1313121.0/18

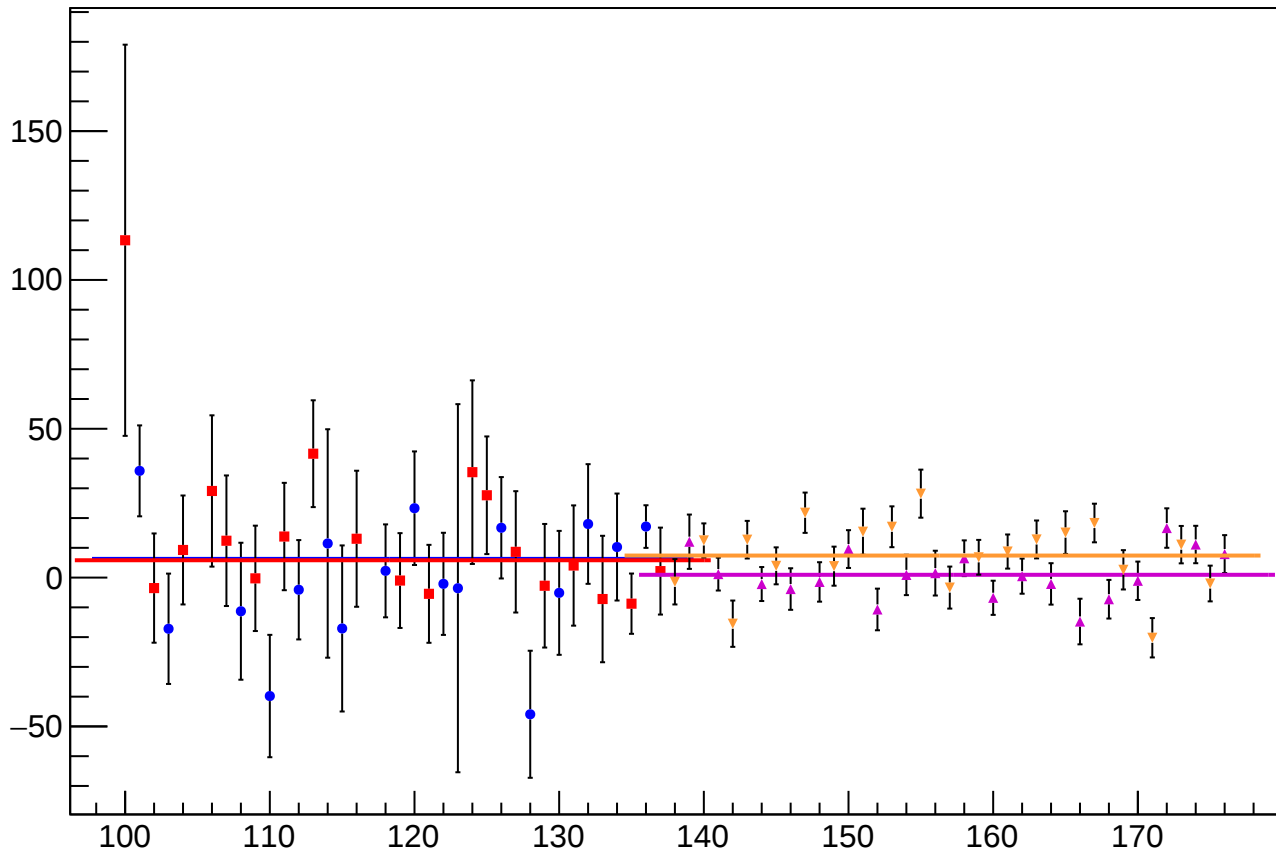
Left In: 4534.056 ± 0.885 χ^2/NDF : 2444025.9/18

+ sign 4856.756 ± 0.772 χ^2/NDF : 2887451.5/36

All: 4714.246 ± 0.533 χ^2/NDF : 6720346.7/74

- sign 4583.934 ± 0.738 χ^2/NDF : 3767575.1/37

diff_bpm16X_mean vs Slug



Right In: 6.283 ± 4.064 $\chi^2/\text{NDF}: 22.5/16$

Left Out: 7.406 ± 1.474 $\chi^2/\text{NDF}: 54.2/19$

Right Out: 5.828 ± 4.219 $\chi^2/\text{NDF}: 13.8/18$

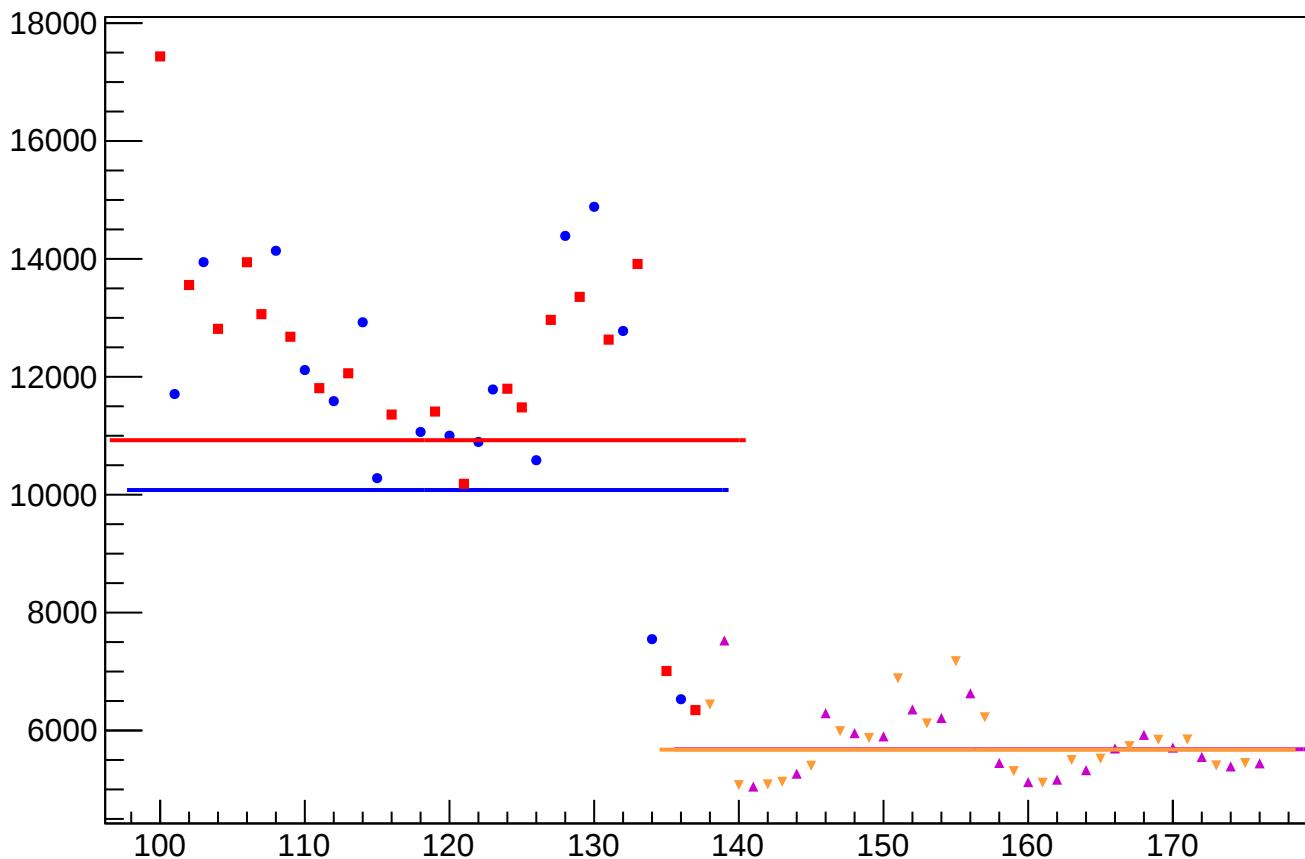
Left In: 0.937 ± 1.493 $\chi^2/\text{NDF}: 25.2/18$

+ sign 7.275 ± 1.386 $\chi^2/\text{NDF}: 76.8/36$

All: 4.424 ± 0.987 $\chi^2/\text{NDF}: 125.6/74$

- sign 1.482 ± 1.408 $\chi^2/\text{NDF}: 40.2/37$

diff_bpm16X_rms vs Slug



Right In: 10079.454+/-2.874 χ^2/NDF : 994683.1/16

Left Out: 5675.910+/-1.042 χ^2/NDF : 255942.2/19

Right Out: 10924.541+/-2.983 χ^2/NDF : 768447.5/18

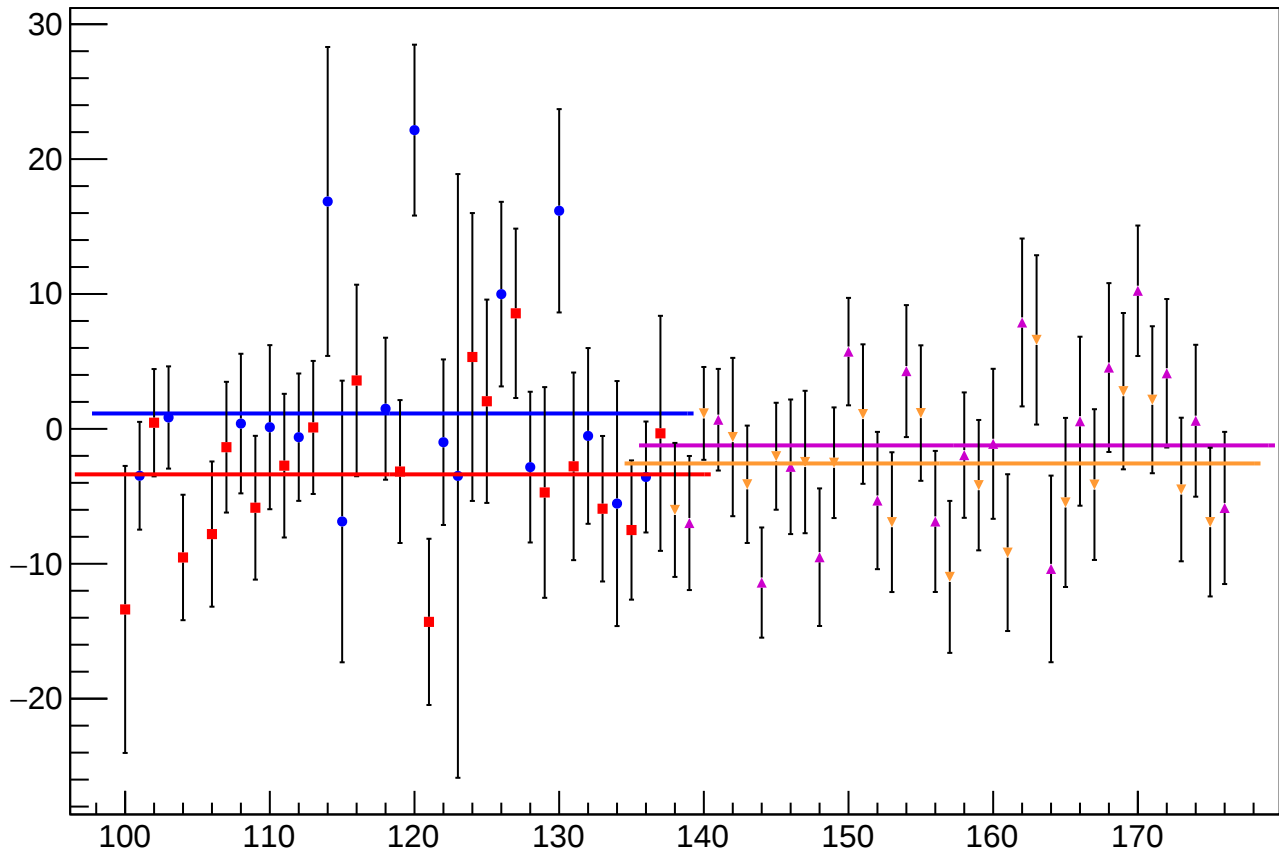
Left In: 5681.774+/-1.056 χ^2/NDF : 255454.4/18

+ sign 6187.782+/-0.980 χ^2/NDF : 3325700.5/36

All: 6225.971+/-0.698 χ^2/NDF : 7097175.1/74

- sign 6265.385+/-0.995 χ^2/NDF : 3768387.5/37

diff_bpm16Y_mean vs Slug



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

Left Out: -2.563 ± 1.119 χ^2/NDF : 12.1/19

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

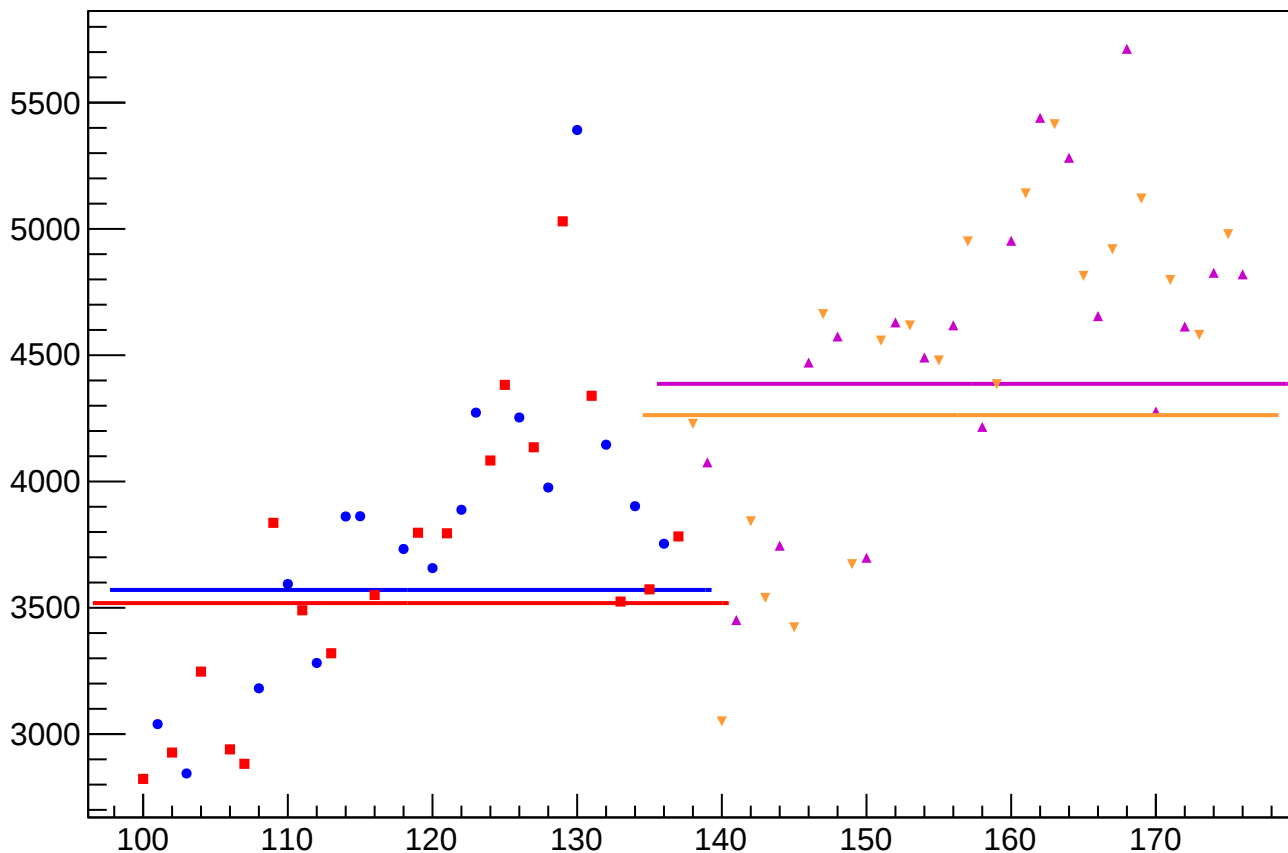
Left In: -1.224 ± 1.159 χ^2/NDF : 28.9/18

+ sign -1.113 ± 0.873 χ^2/NDF : 39.6/36

All: -1.630 ± 0.618 χ^2/NDF : 85.7/74

- sign -2.148 ± 0.875 χ^2/NDF : 45.4/37

diff_bpm16Y_rms vs Slug



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

Left Out: 4262.734+/-0.791 χ^2/NDF : 767410.7/19

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

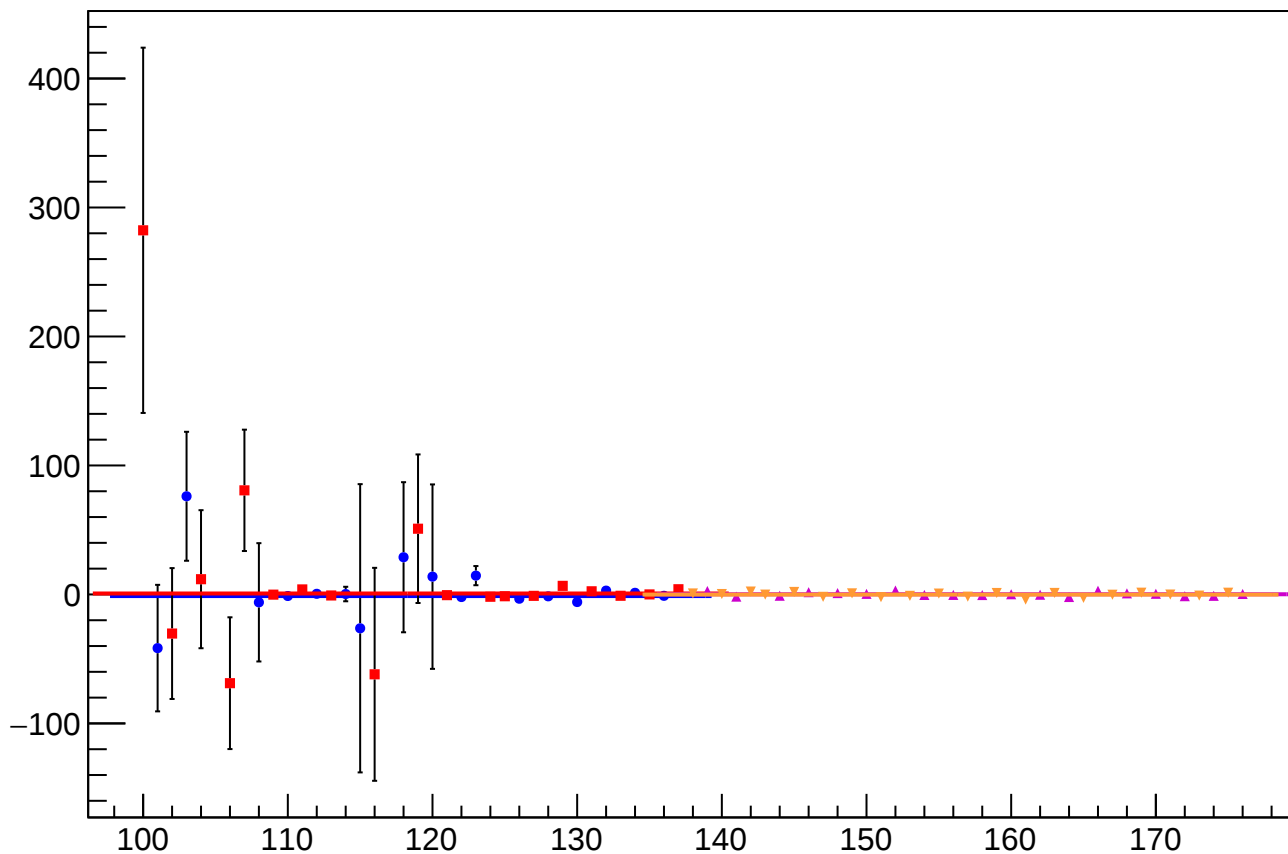
Left In: 4386.598+/-0.819 χ^2/NDF : 488828.8/18

+ sign 3991.828+/-0.617 χ^2/NDF : 1376401.2/36

All: 4002.402+/-0.437 χ^2/NDF : 2641943.7/74

- sign 4013.016+/-0.618 χ^2/NDF : 1264954.5/37

diff_bpm1p02bX_mean vs Slug



Right In: -1.261 $\pm$ 0.748 χ^2 /NDF: 16.3/16

Left Out: -0.110 $\pm$ 0.273 χ^2 /NDF: 33.7/19

Right Out: 0.733 $\pm$ 0.710 χ^2 /NDF: 22.1/18

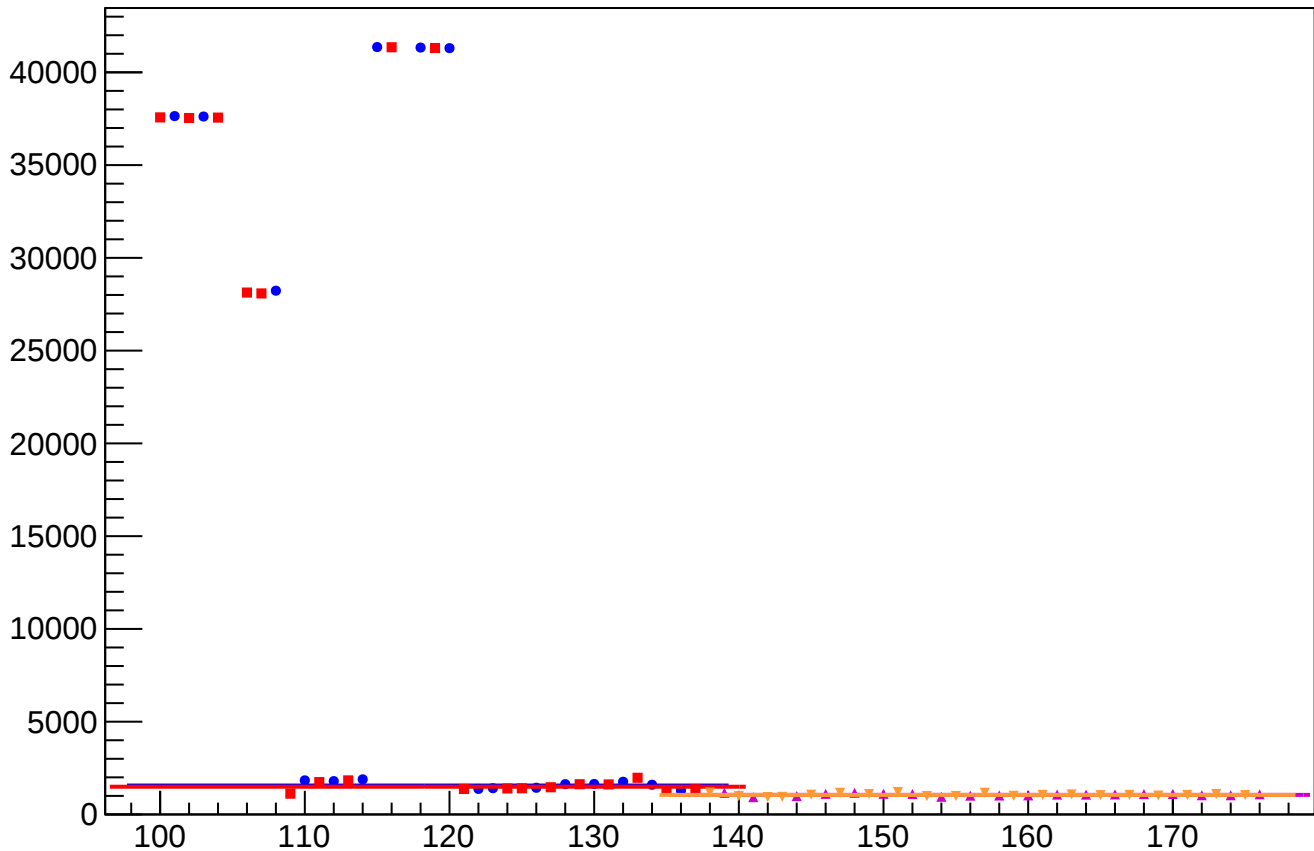
Left In: 0.141 $\pm$ 0.276 χ^2 /NDF: 25.0/18

+ sign -0.245 $\pm$ 0.256 χ^2 /NDF: 52.1/36

All: -0.014 $\pm$ 0.182 χ^2 /NDF: 101.3/74

- sign 0.219 $\pm$ 0.258 χ^2 /NDF: 47.6/37

diff_bpm1p02bX_rms vs Slug



Right In: 1558.988+/-0.529 χ^2/NDF : 4753669.7/16

Left Out: 1053.684+/-0.193 χ^2/NDF : 134722.3/19

Right Out: 1494.619+/-0.502 χ^2/NDF : 4892920.0/18

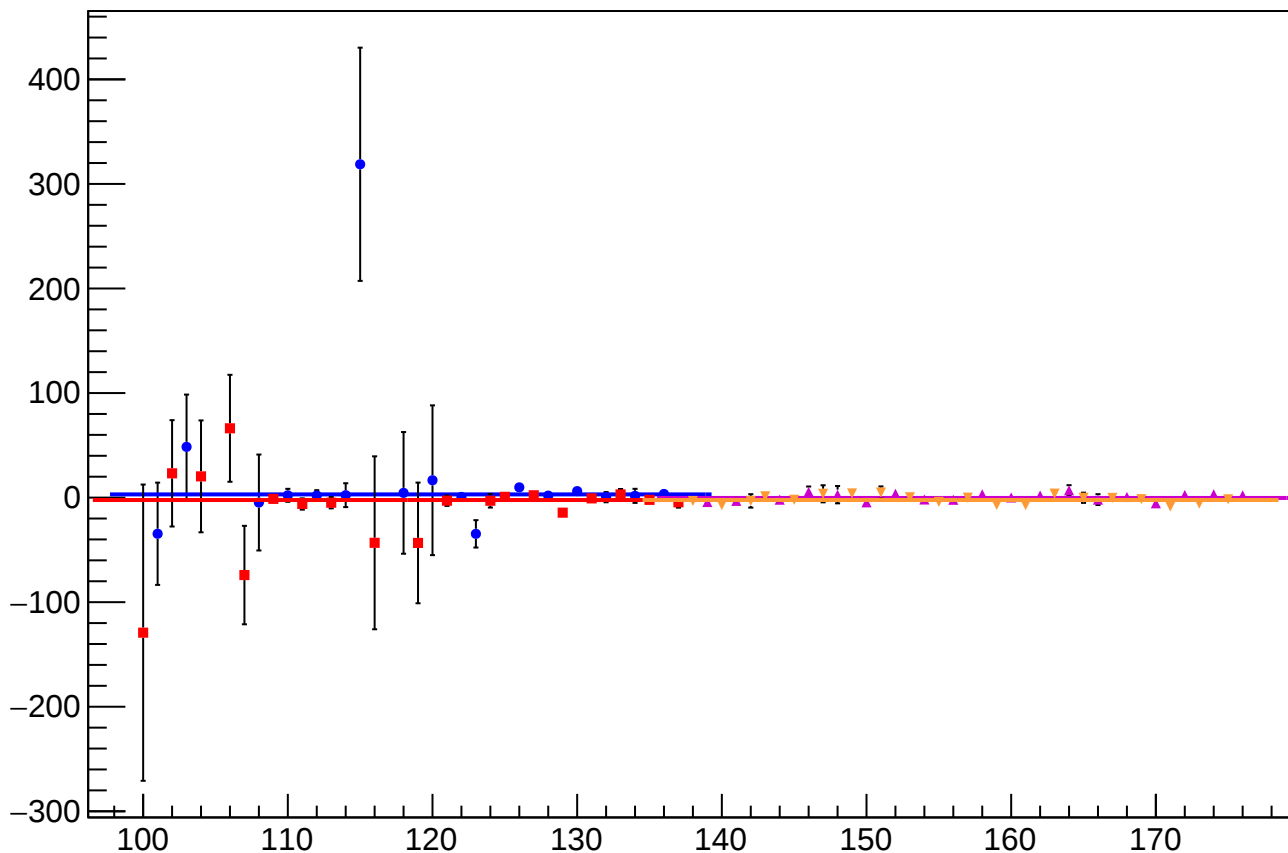
Left In: 1054.291+/-0.195 χ^2/NDF : 107074.9/18

+ sign 1113.000+/-0.181 χ^2/NDF : 5694264.3/36

All: 1112.600+/-0.128 χ^2/NDF : 11361808.2/7

- sign 1112.195+/-0.182 χ^2/NDF : 5667534.1/37

diff_bpm1p02bY_mean vs Slug



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

Left Out: -2.288+/-0.894 χ^2/NDF : 15.7/19

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

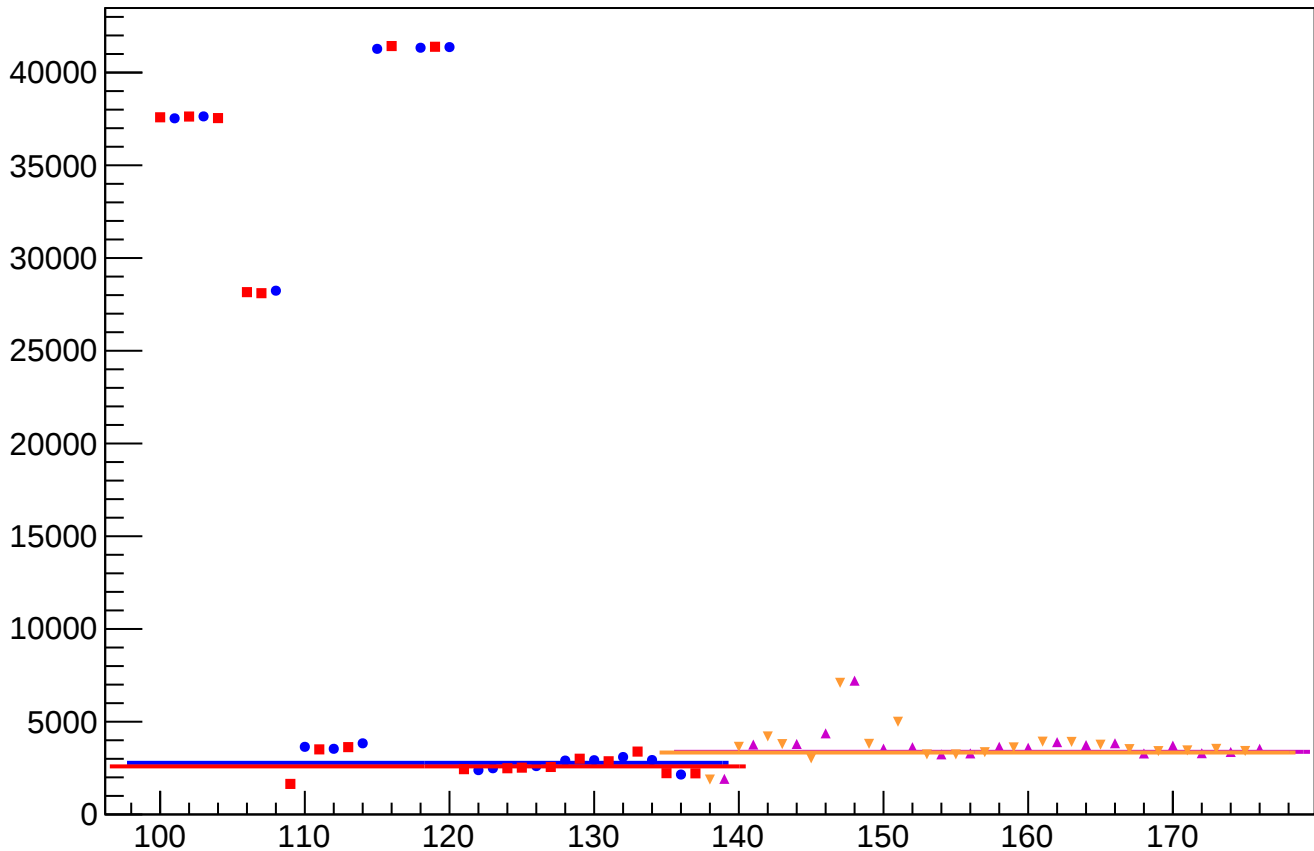
Left In: -0.330+/-0.912 χ^2/NDF : 14.0/18

+ sign -0.608+/-0.741 χ^2/NDF : 48.8/36

All: -0.820+/-0.521 χ^2/NDF : 81.6/74

- sign -1.027+/-0.733 χ^2/NDF : 32.6/37

diff_bpm1p02bY_rms vs Slug



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

Left Out: 3339.029+/-0.632 χ^2/NDF : 1626427.2/19

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

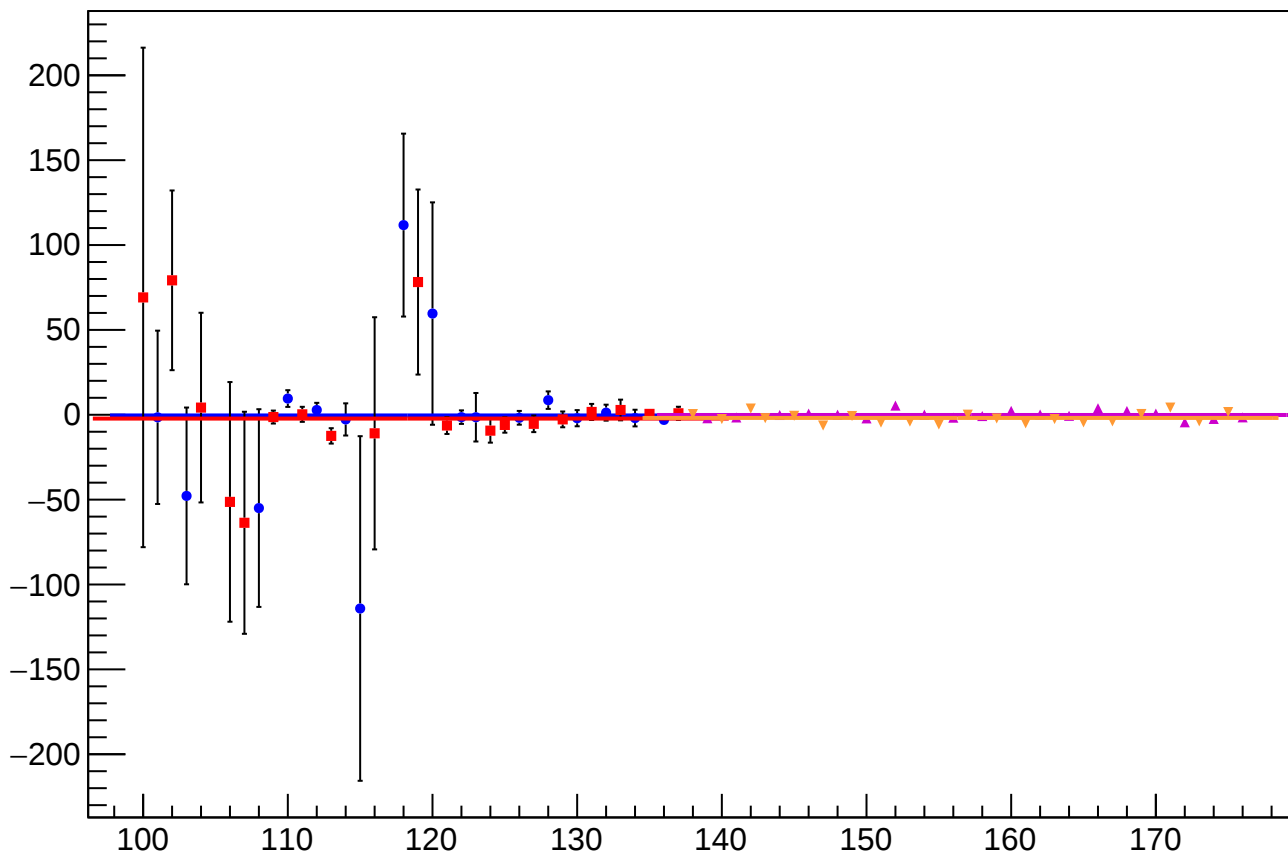
Left In: 3376.358+/-0.645 χ^2/NDF : 1406909.6/18

+ sign 3165.141+/-0.524 χ^2/NDF : 6445502.1/36

All: 3131.840+/-0.369 χ^2/NDF : 13230604.2/77

- sign 3099.178+/-0.519 χ^2/NDF : 6777093.2/37

diff_bpm1p03aX_mean vs Slug



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

Left Out: -1.862 ± 0.431 χ^2/NDF : 42.4/19

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

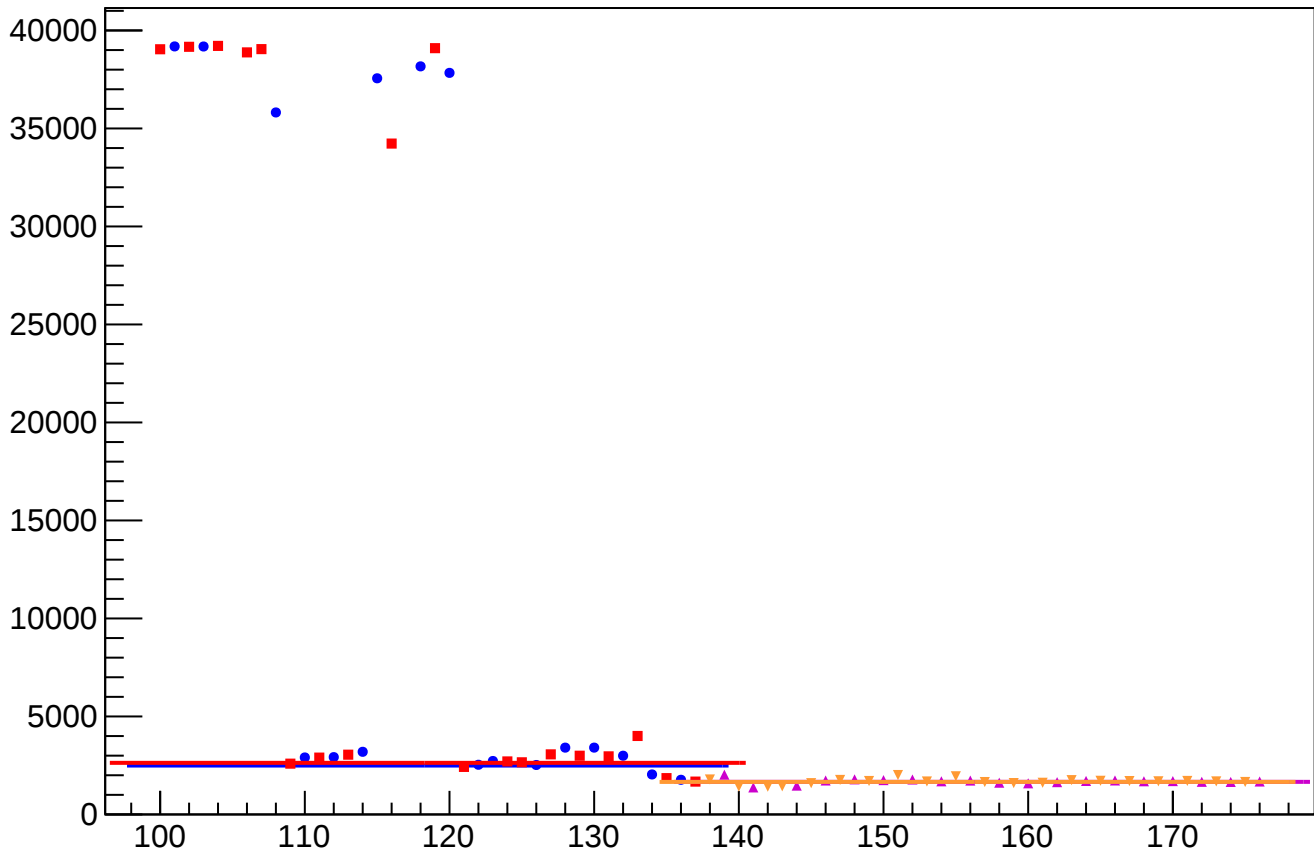
Left In: -0.127 ± 0.437 χ^2/NDF : 24.8/18

+ sign -1.700 ± 0.406 χ^2/NDF : 62.0/36

All: -1.039 ± 0.289 χ^2/NDF : 112.2/74

- sign -0.359 ± 0.412 χ^2/NDF : 44.8/37

diff_bpm1p03aX_rms vs Slug



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

Left Out: 1660.817 $\pm$ 0.305 χ^2 /NDF: 214837.5/19

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

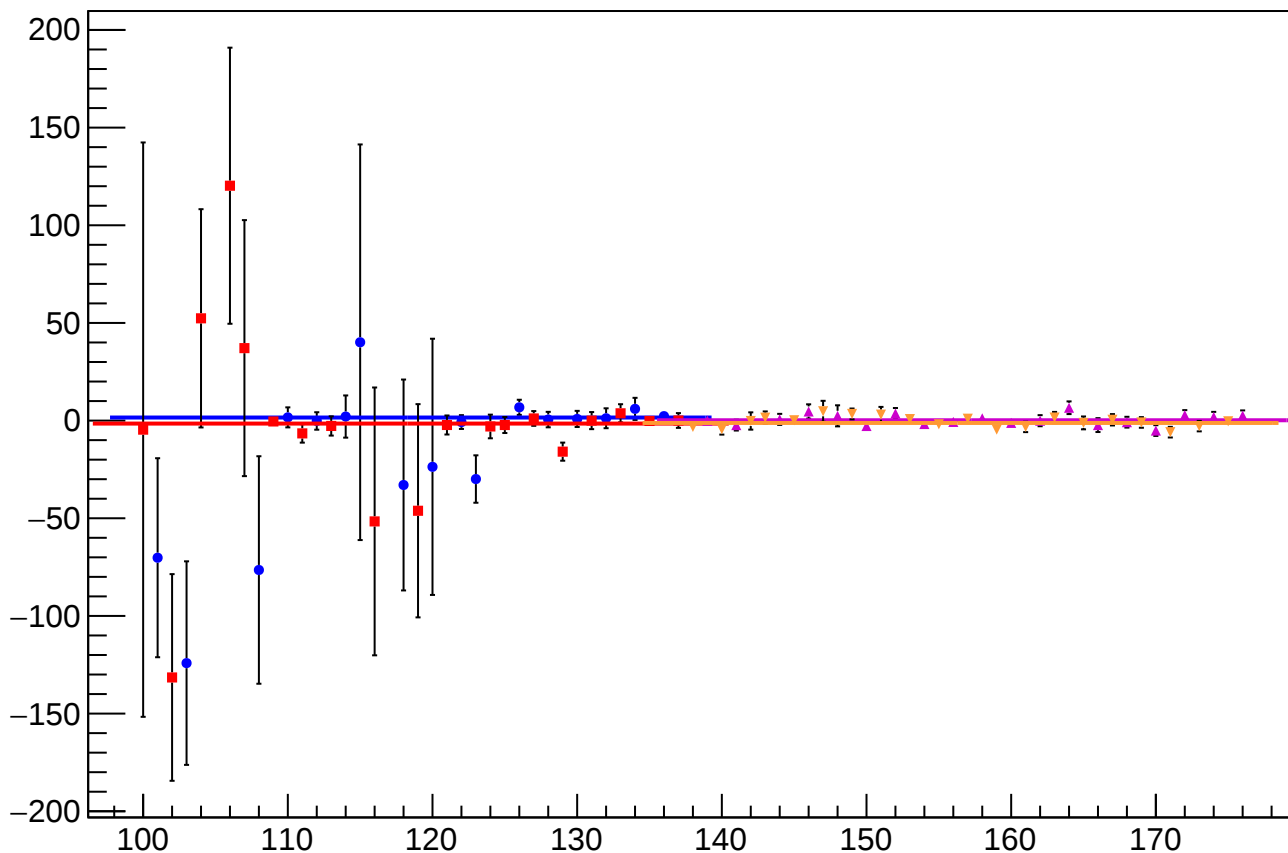
Left In: 1663.390 $\pm$ 0.309 χ^2 /NDF: 178377.8/18

+ sign 1753.614 $\pm$ 0.287 χ^2 /NDF: 5932446.4/36

All: 1761.430 $\pm$ 0.205 χ^2 /NDF: 12052160.5/7

- sign 1769.481 $\pm$ 0.291 χ^2 /NDF: 6118209.6/37

diff_bpm1p03aY_mean vs Slug



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

Left Out: -1.206 ± 0.591 χ^2/NDF : 18.5/19

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

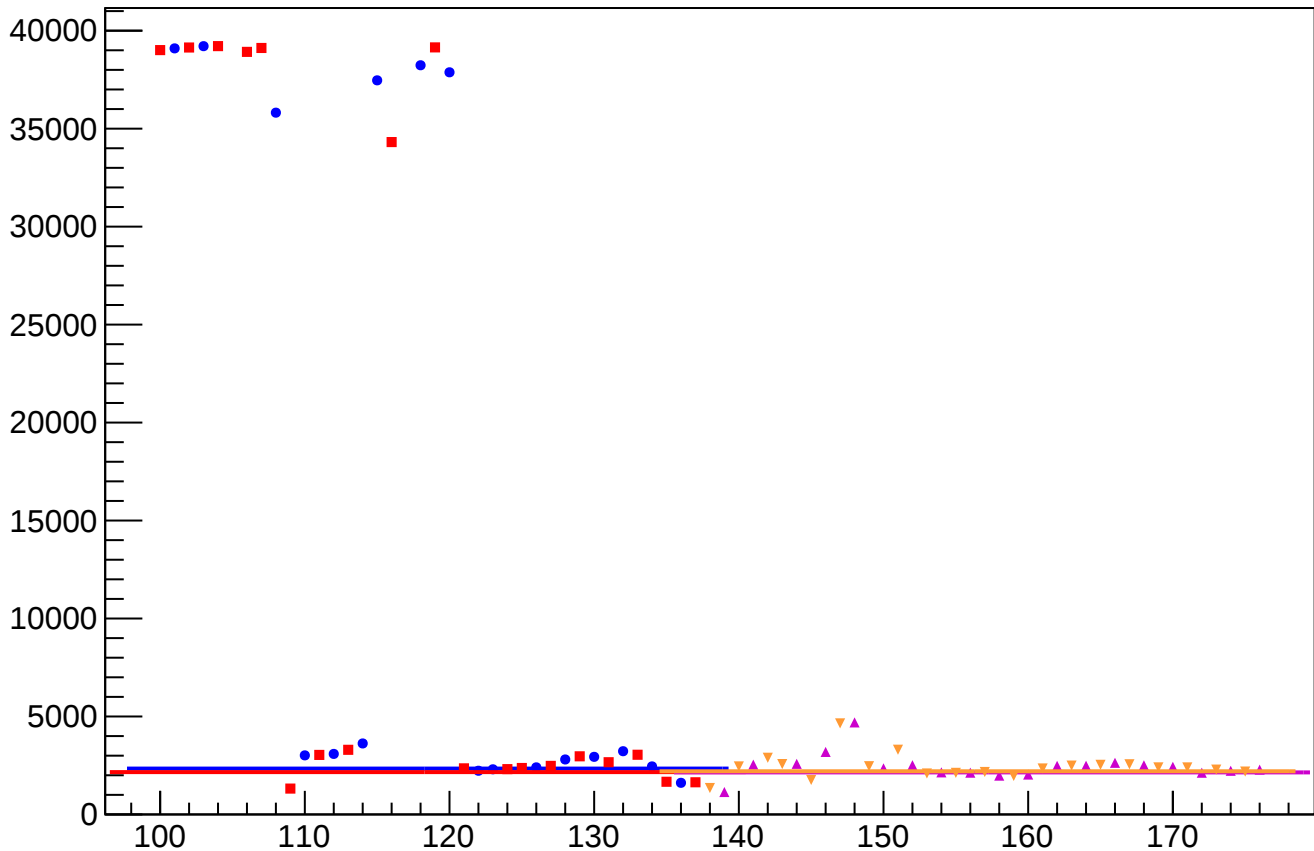
Left In: 0.176 ± 0.586 χ^2/NDF : 17.1/18

+ sign -0.618 ± 0.525 χ^2/NDF : 43.5/36

All: -0.415 ± 0.367 χ^2/NDF : 87.8/74

- sign -0.221 ± 0.513 χ^2/NDF : 44.1/37

diff_bpm1p03aY_rms vs Slug



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

Left Out: 2203.299+/-0.418 χ^2/NDF : 1404666.7/19

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

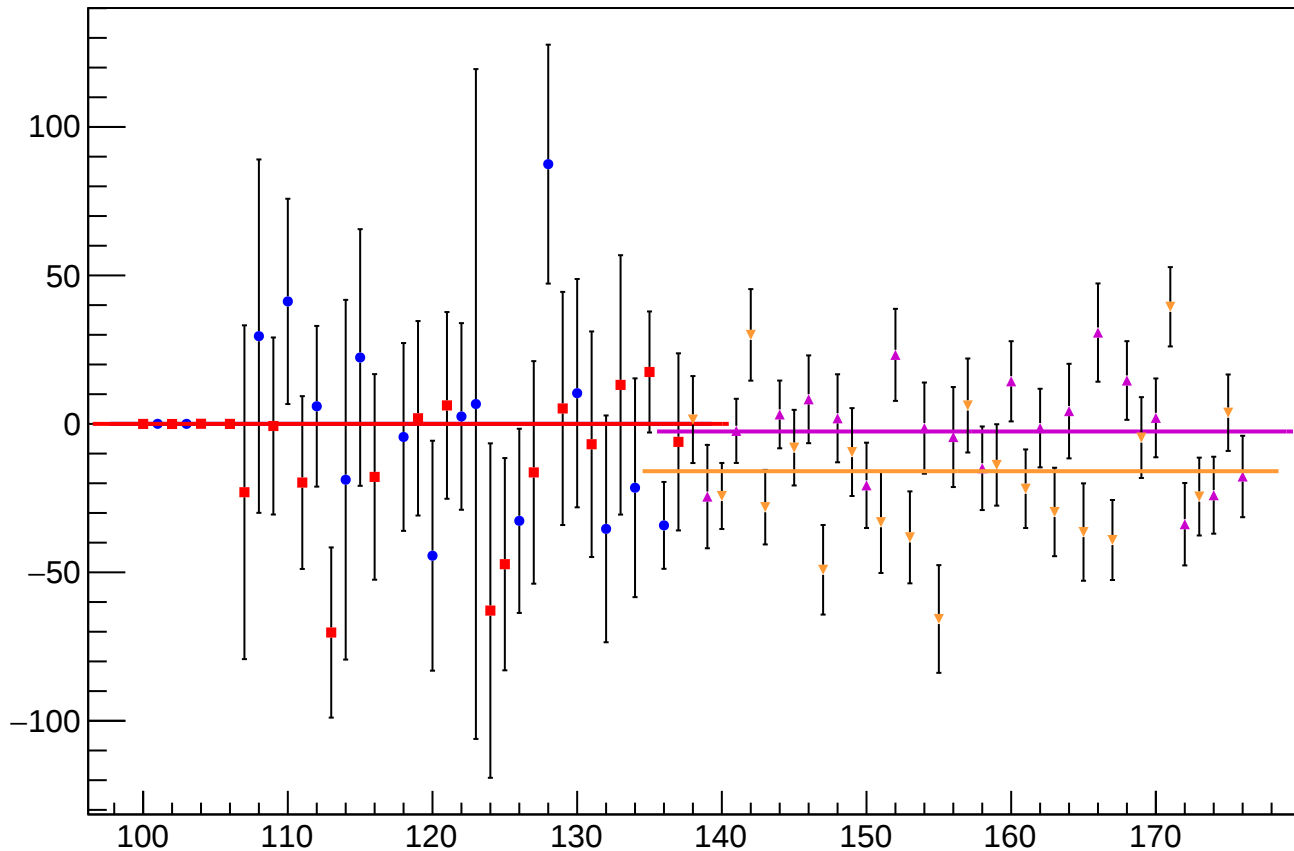
Left In: 2146.319+/-0.415 χ^2/NDF : 1951999.3/18

+ sign 2232.390+/-0.371 χ^2/NDF : 6434477.3/36

All: 2190.153+/-0.260 χ^2/NDF : 13711134.0/71

- sign 2149.786+/-0.363 χ^2/NDF : 7251348.7/37

diff_cav4bX_mean vs Slug



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

Left Out: -15.931 ± 3.152 χ^2/NDF : 56.0/19

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

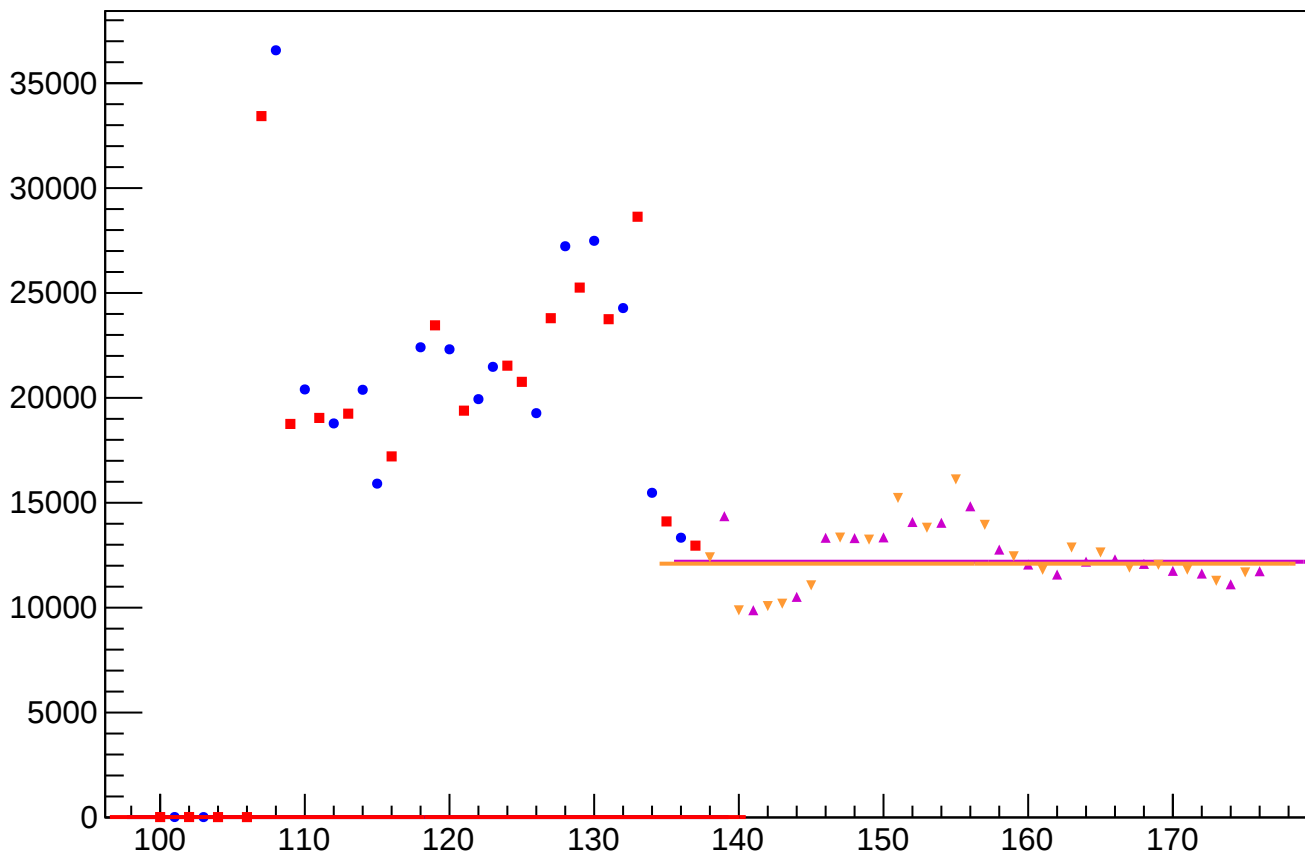
Left In: -2.559 ± 3.209 χ^2/NDF : 24.3/18

+ sign 0.013 ± 0.017 χ^2/NDF : 97.7/36

All: 0.008 ± 0.012 χ^2/NDF : 138.7/74

- sign 0.003 ± 0.016 χ^2/NDF : 40.8/37

diff_cav4bX_rms vs Slug



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

Left Out: 12096.793 $\pm$ 2.229 χ^2 /NDF: 438166.5/19

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

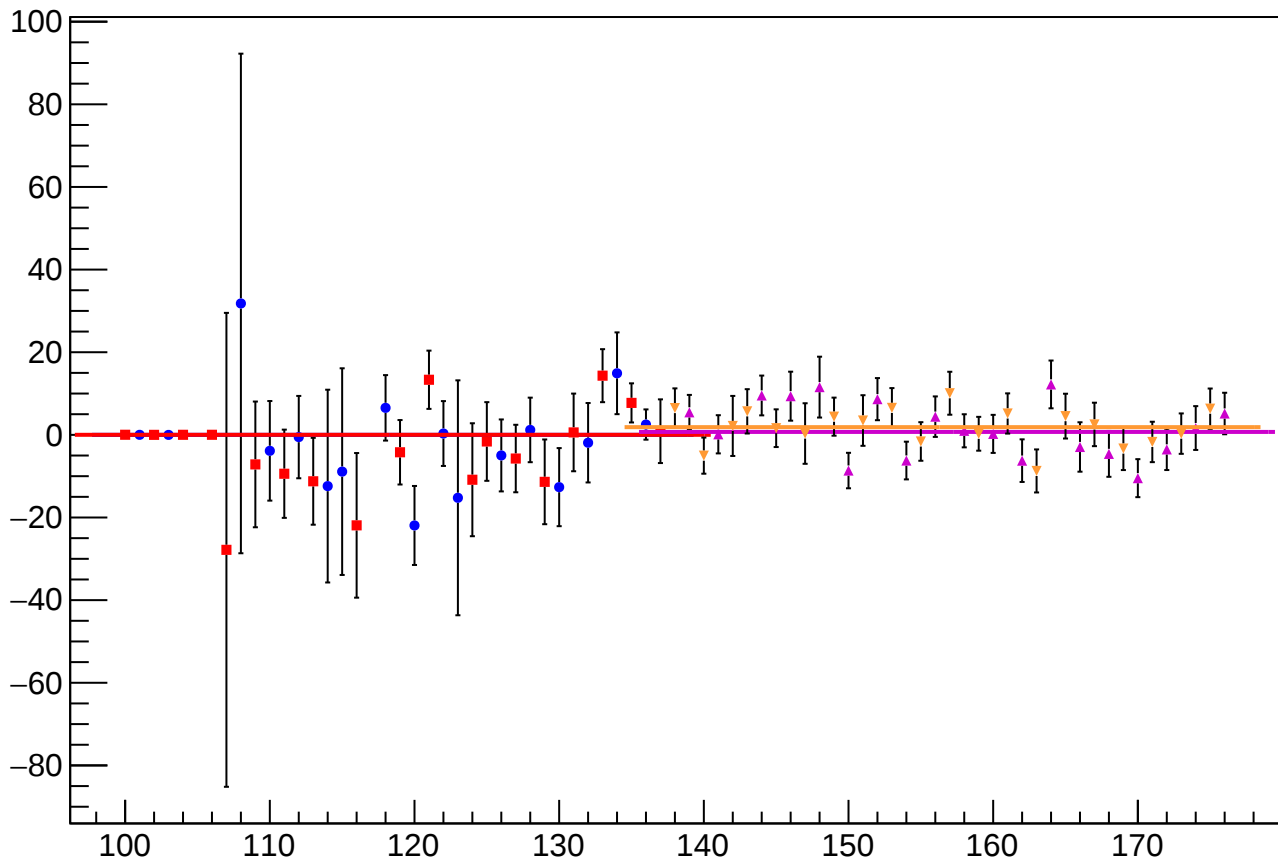
Left In: 12189.149 $\pm$ 2.269 χ^2 /NDF: 340106.7/18

+ sign 19.007 $\pm$ 0.012 χ^2 /NDF: 40789865.6/36

All: 18.797 $\pm$ 0.008 χ^2 /NDF: 81016263.8/74

- sign 18.617 $\pm$ 0.011 χ^2 /NDF: 40225853.3/37

diff_cav4bY_mean vs Slug



Right In: 0.001 ± 0.009 χ^2/NDF : 13.0/16

Left Out: 1.868 ± 1.126 χ^2/NDF : 15.8/19

Right Out: 0.014 ± 0.009 χ^2/NDF : 18.6/18

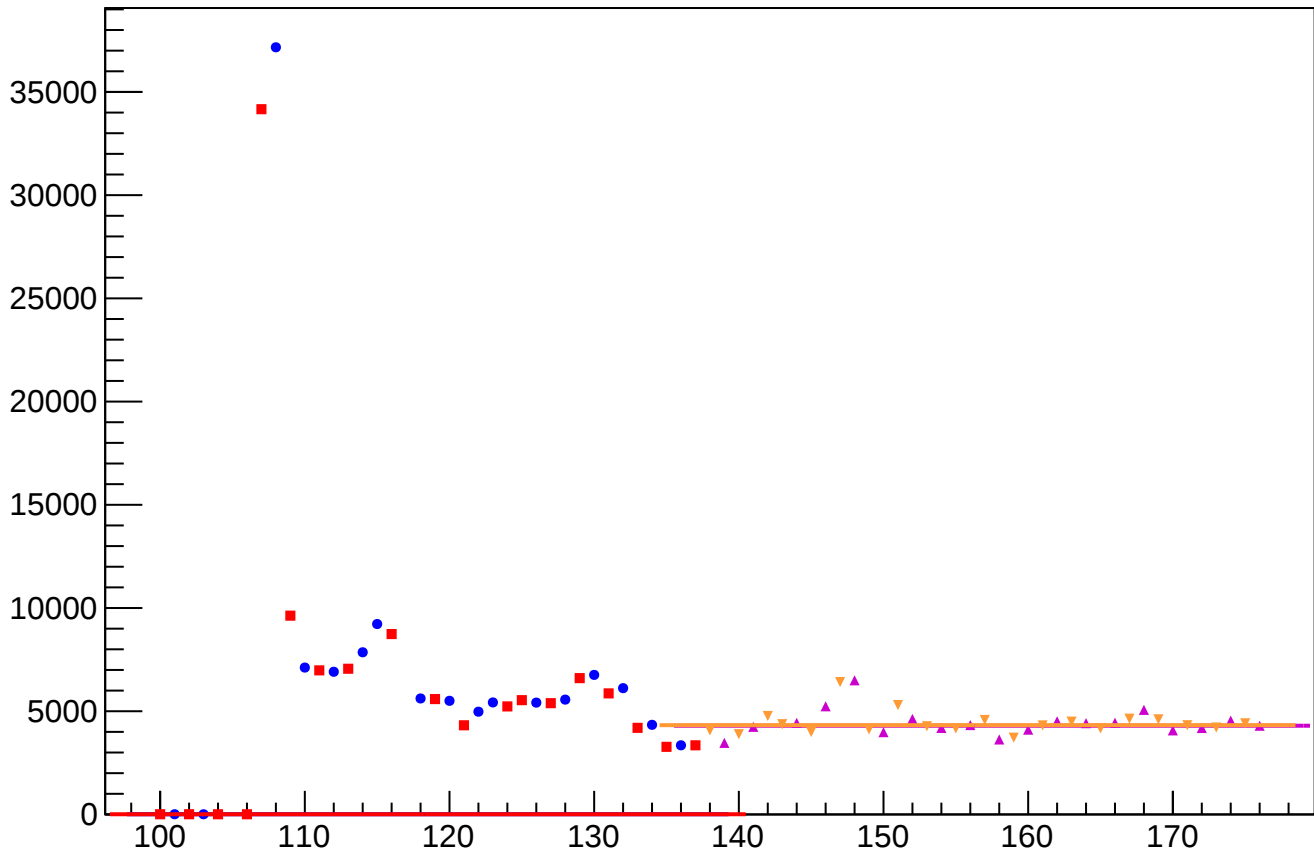
Left In: 0.711 ± 1.136 χ^2/NDF : 33.5/18

+ sign 0.001 ± 0.009 χ^2/NDF : 31.6/36

All: 0.008 ± 0.006 χ^2/NDF : 85.2/74

- sign 0.014 ± 0.009 χ^2/NDF : 52.5/37

diff_cav4bY_rms vs Slug



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

Left Out: 4325.392+/-0.796 χ^2/NDF : 330157.3/19

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

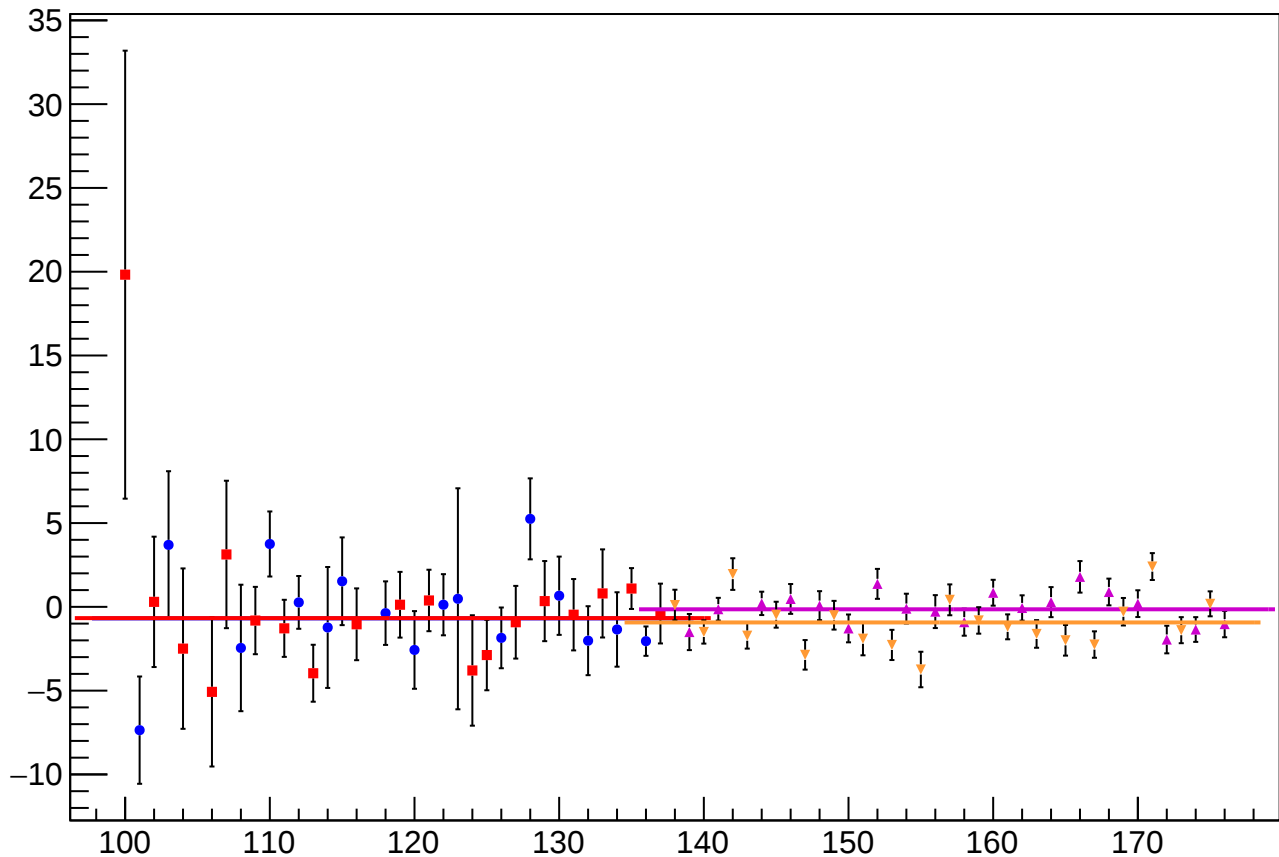
Left In: 4298.612+/-0.803 χ^2/NDF : 441350.6/18

+ sign 10.227+/-0.007 χ^2/NDF : 40812942.7/36

All: 10.161+/-0.004 χ^2/NDF : 80943522.1/74

- sign 10.103+/-0.006 χ^2/NDF : 40130387.0/37

diff_cav4cX_mean vs Slug



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

Left Out: -0.931 ± 0.186 χ^2/NDF : 55.6/19

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

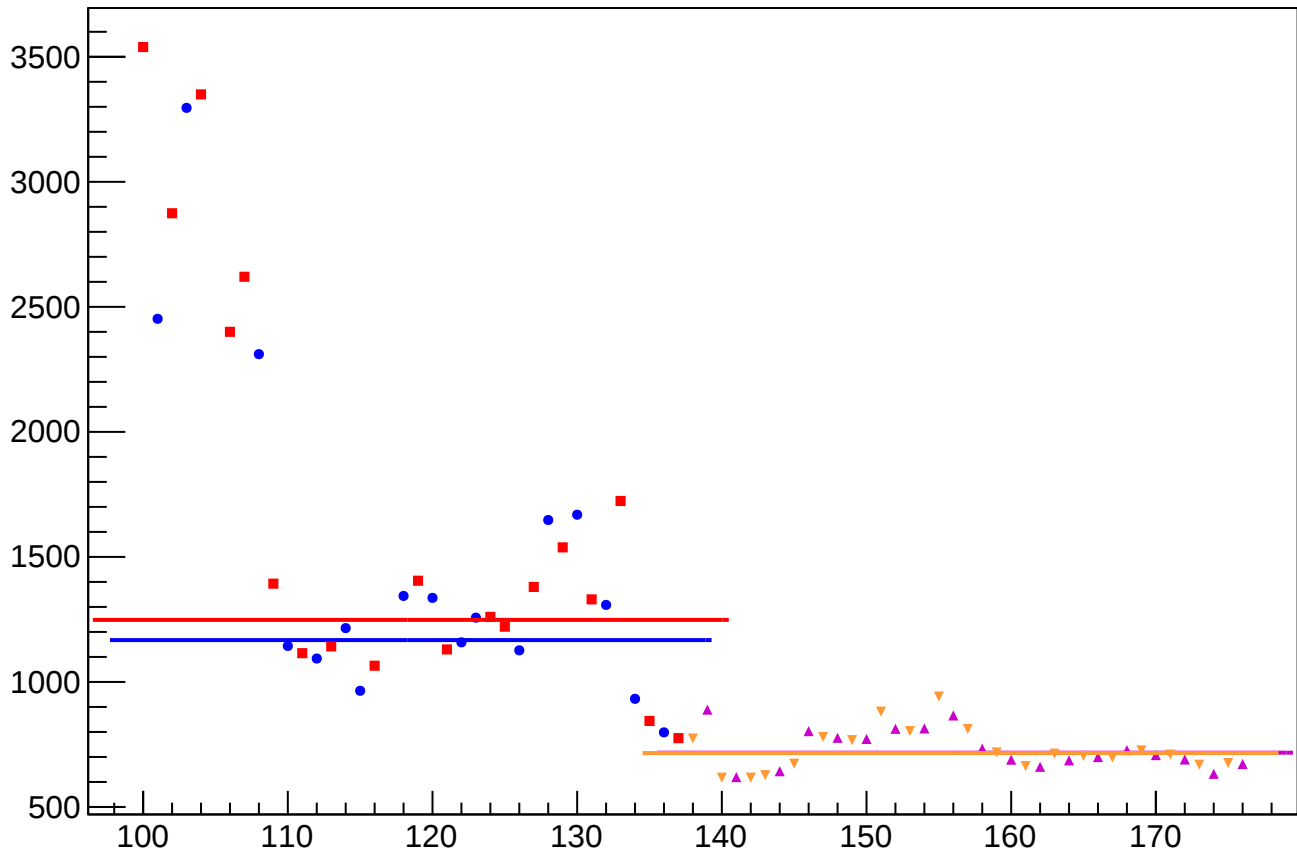
Left In: -0.146 ± 0.189 χ^2/NDF : 24.8/18

+ sign -0.899 ± 0.174 χ^2/NDF : 78.3/36

All: -0.561 ± 0.124 χ^2/NDF : 125.1/74

- sign -0.211 ± 0.176 χ^2/NDF : 39.1/37

diff_cav4cX_rms vs Slug



Right In: 1167.397+/-0.341 χ^2 /NDF: 1578328.1/16

Left Out: 715.655+/-0.132 χ^2 /NDF: 332819.0/19

Right Out: 1248.241+/-0.354 χ^2 /NDF: 1654028.9/18

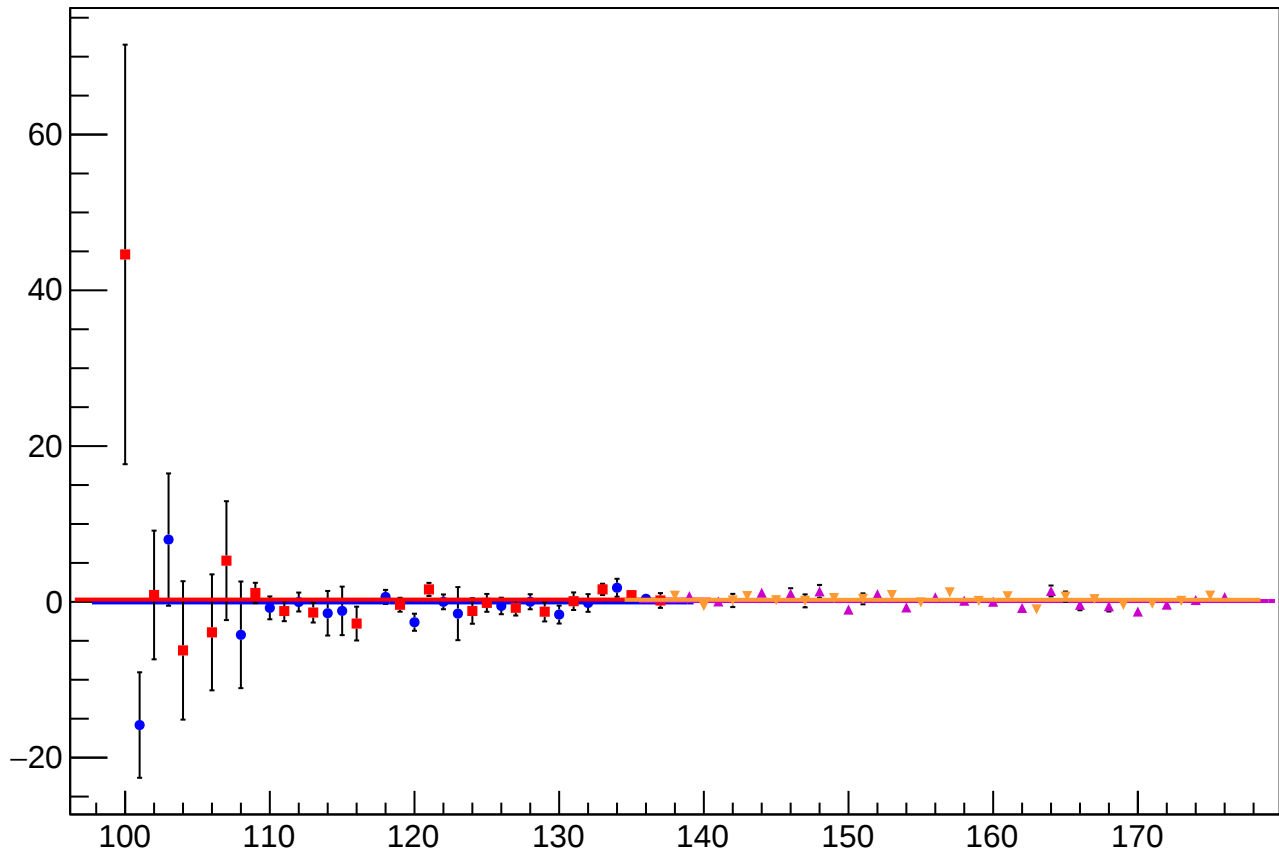
Left In: 717.146+/-0.133 χ^2 /NDF: 297902.6/18

+ sign 774.188+/-0.123 χ^2 /NDF: 3438565.5/36

All: 778.591+/-0.088 χ^2 /NDF: 7363861.5/74

- sign 783.141+/-0.125 χ^2 /NDF: 3922680.8/37

diff_cav4cY_mean vs Slug



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

Left Out: 0.267 ± 0.135 χ^2/NDF : 15.4/19

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

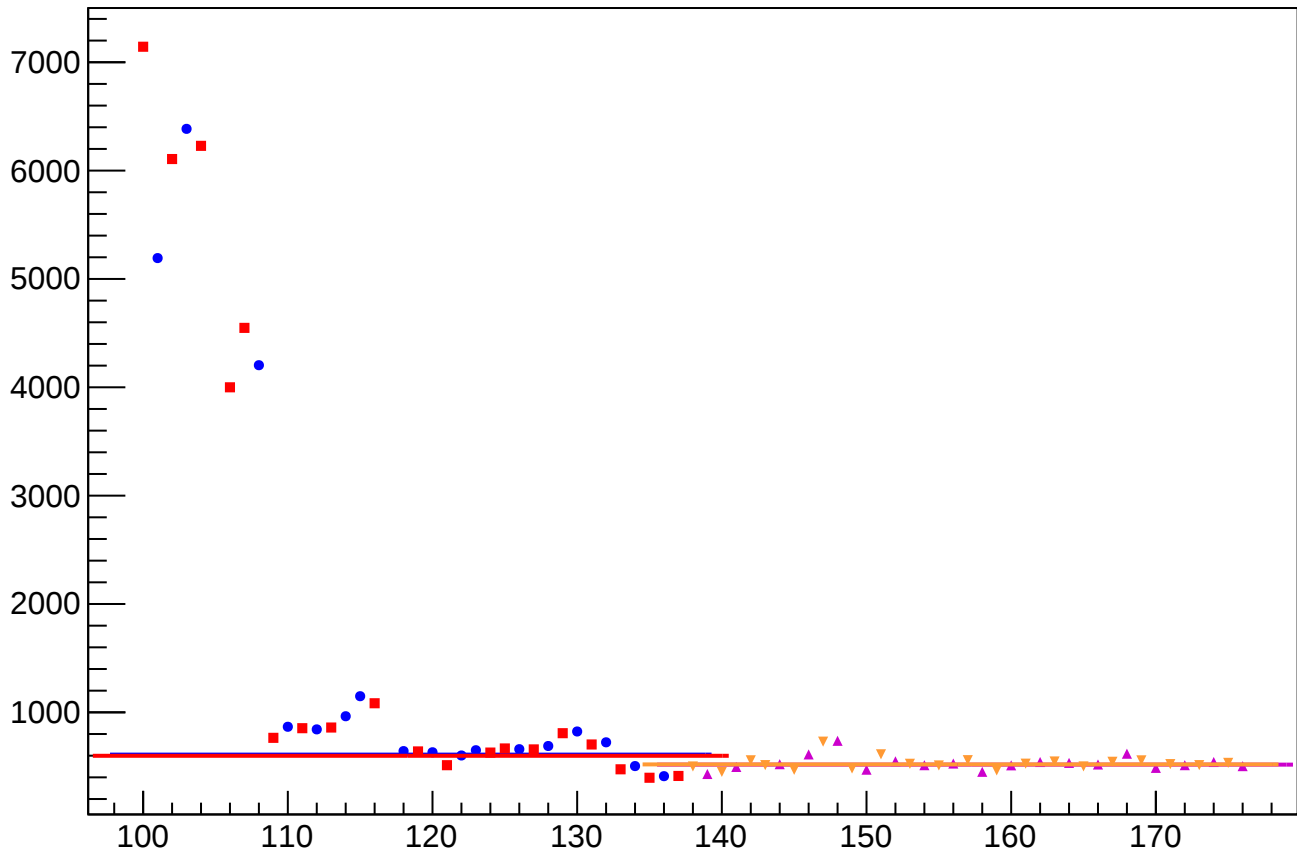
Left In: 0.107 ± 0.136 χ^2/NDF : 33.0/18

+ sign 0.198 ± 0.121 χ^2/NDF : 35.9/36

All: 0.173 ± 0.086 χ^2/NDF : 89.6/74

- sign 0.147 ± 0.121 χ^2/NDF : 53.6/37

diff_cav4cY_rms vs Slug



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

Left Out: 519.455 $\pm$ 0.096 χ^2 /NDF: 282283.4/19

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

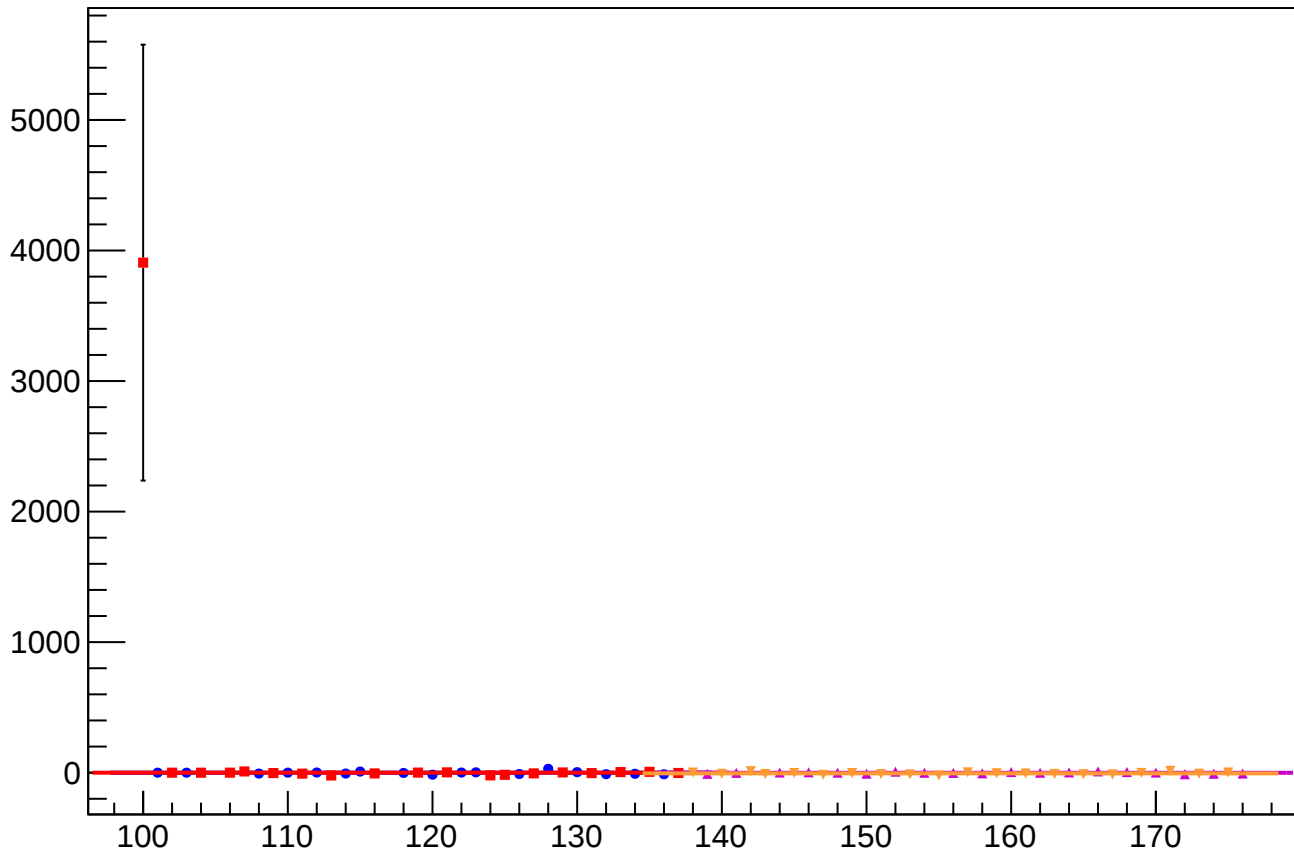
Left In: 517.361 $\pm$ 0.096 χ^2 /NDF: 350967.2/18

+ sign 537.692 $\pm$ 0.085 χ^2 /NDF: 3598793.6/36

All: 536.141 $\pm$ 0.060 χ^2 /NDF: 7653912.1/74

- sign 534.577 $\pm$ 0.086 χ^2 /NDF: 4054455.3/37

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 15.6/16

Left Out: -5.352 ± 1.082 χ^2/NDF : 55.6/19

Right Out: -0.027 ± 0.020 χ^2/NDF : 17.9/18

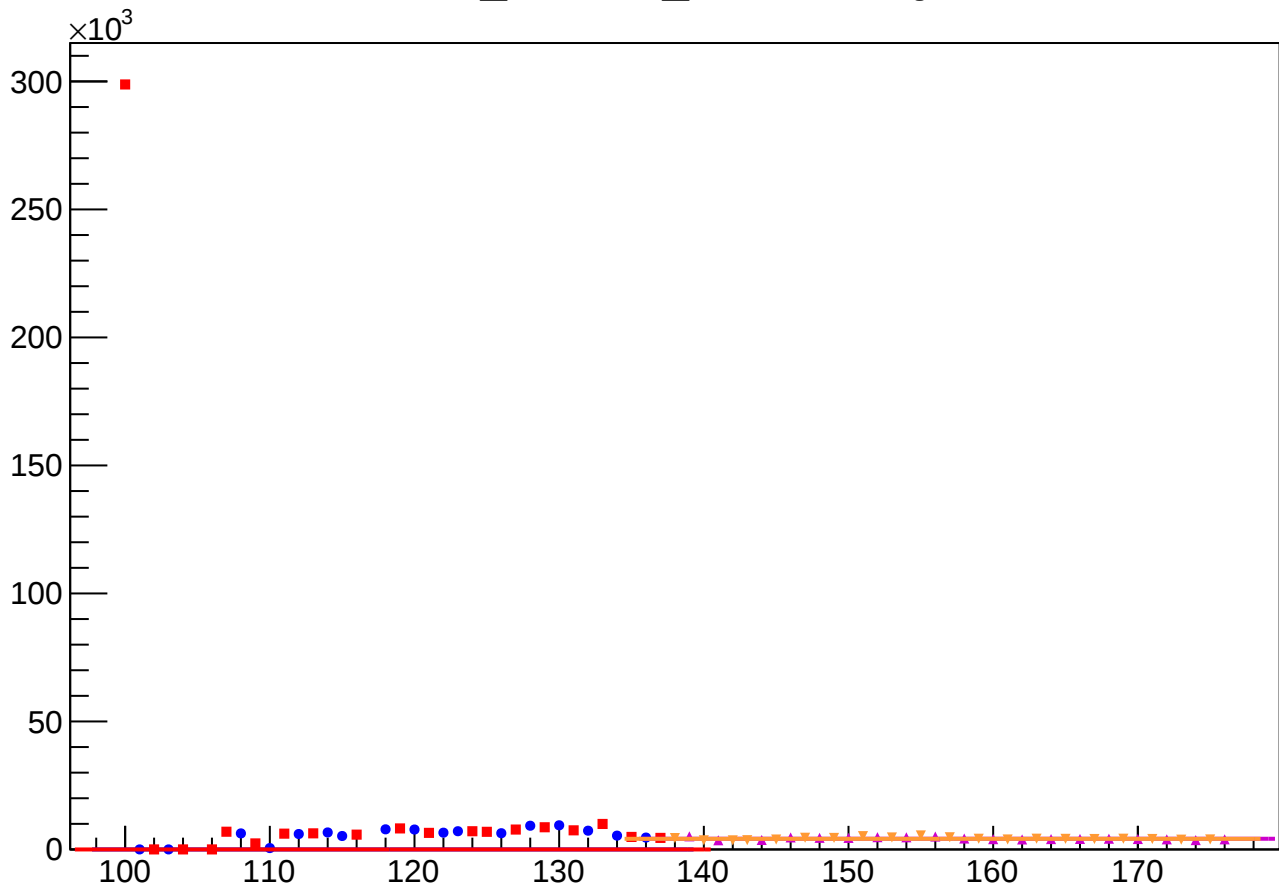
Left In: -0.902 ± 1.099 χ^2/NDF : 25.0/18

+ sign -0.024 ± 0.021 χ^2/NDF : 95.5/36

All: -0.025 ± 0.014 χ^2/NDF : 139.0/74

- sign -0.027 ± 0.020 χ^2/NDF : 43.5/37

diff_cav4dX_rms vs Slug



Right In: 17.341 $\pm$ 0.015 χ^2 /NDF: 10501445.0/16

Left Out: 4159.154 $\pm$ 0.765 χ^2 /NDF: 356931.1/19

Right Out: 17.269 $\pm$ 0.014 χ^2 /NDF: 10820611.7/18

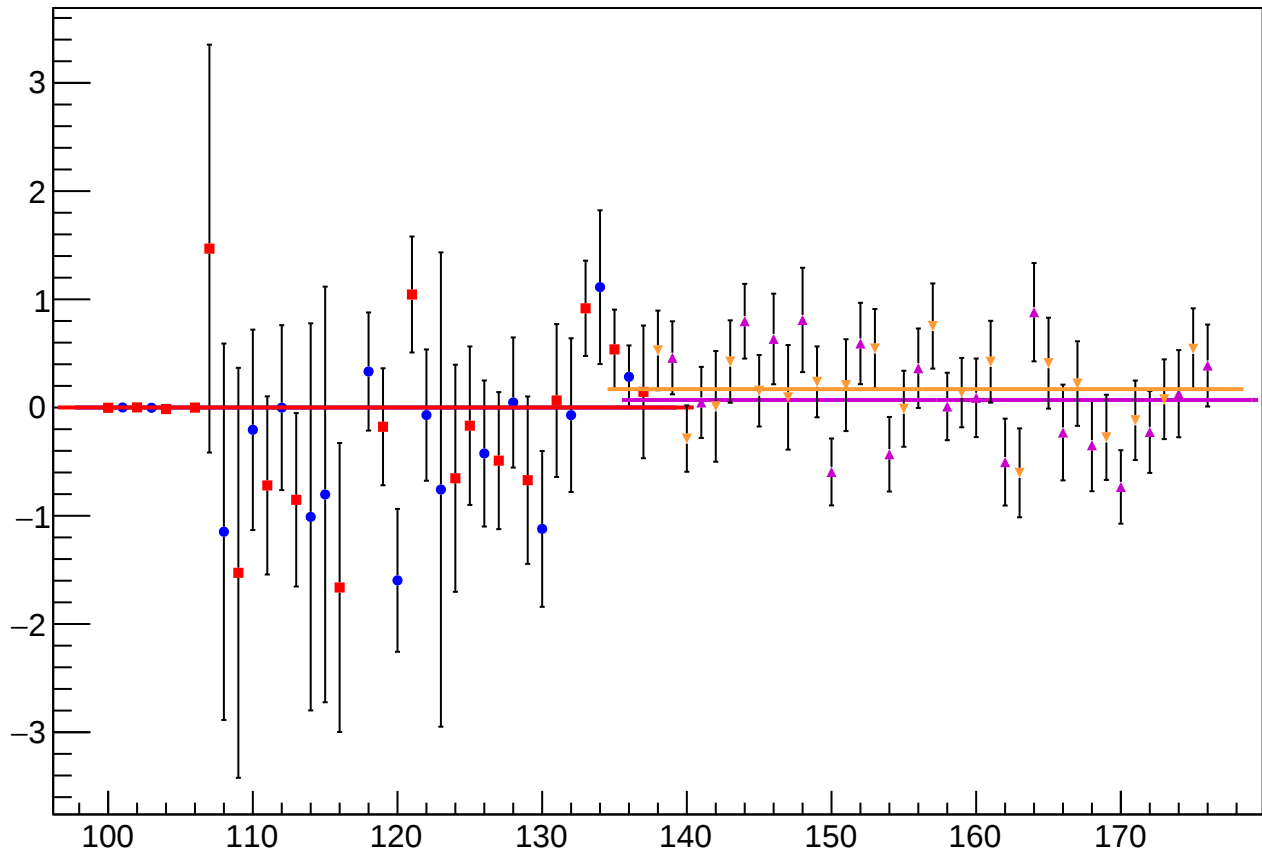
Left In: 4177.685 $\pm$ 0.777 χ^2 /NDF: 307881.6/18

+ sign 18.870 $\pm$ 0.015 χ^2 /NDF: 40160056.1/36

All: 18.737 $\pm$ 0.010 χ^2 /NDF: 79948776.2/74

- sign 18.616 $\pm$ 0.014 χ^2 /NDF: 39788562.8/37

diff_cav4dY_mean vs Slug



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

Left Out: 0.170 ± 0.084 χ^2/NDF : 14.6/19

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

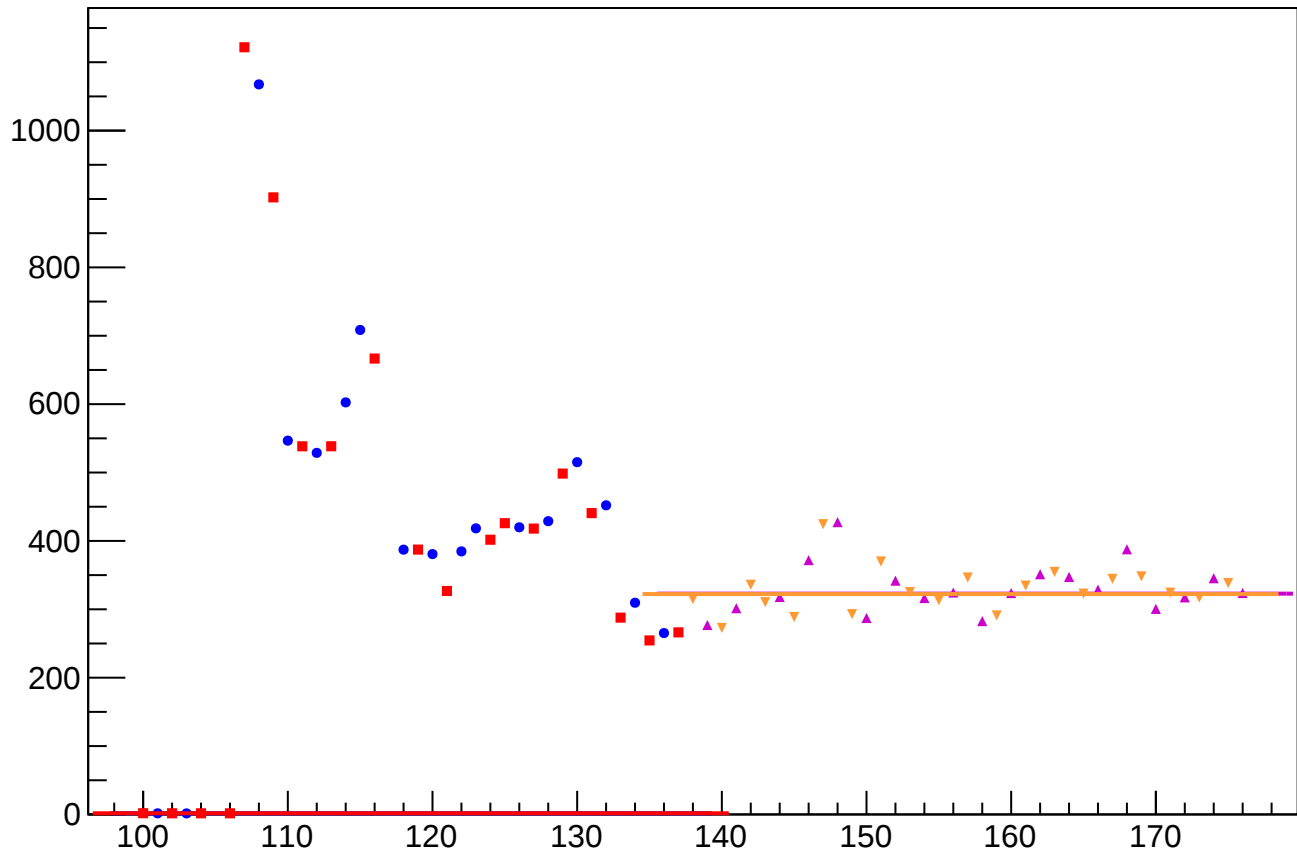
Left In: 0.070 ± 0.085 χ^2/NDF : 32.9/18

+ sign 0.000 ± 0.002 χ^2/NDF : 32.5/36

All: 0.001 ± 0.001 χ^2/NDF : 84.0/74

- sign 0.001 ± 0.002 χ^2/NDF : 51.5/37

diff_cav4dY_rms vs Slug



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

Left Out: 322.280+/-0.059 χ^2/NDF : 269615.5/19

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

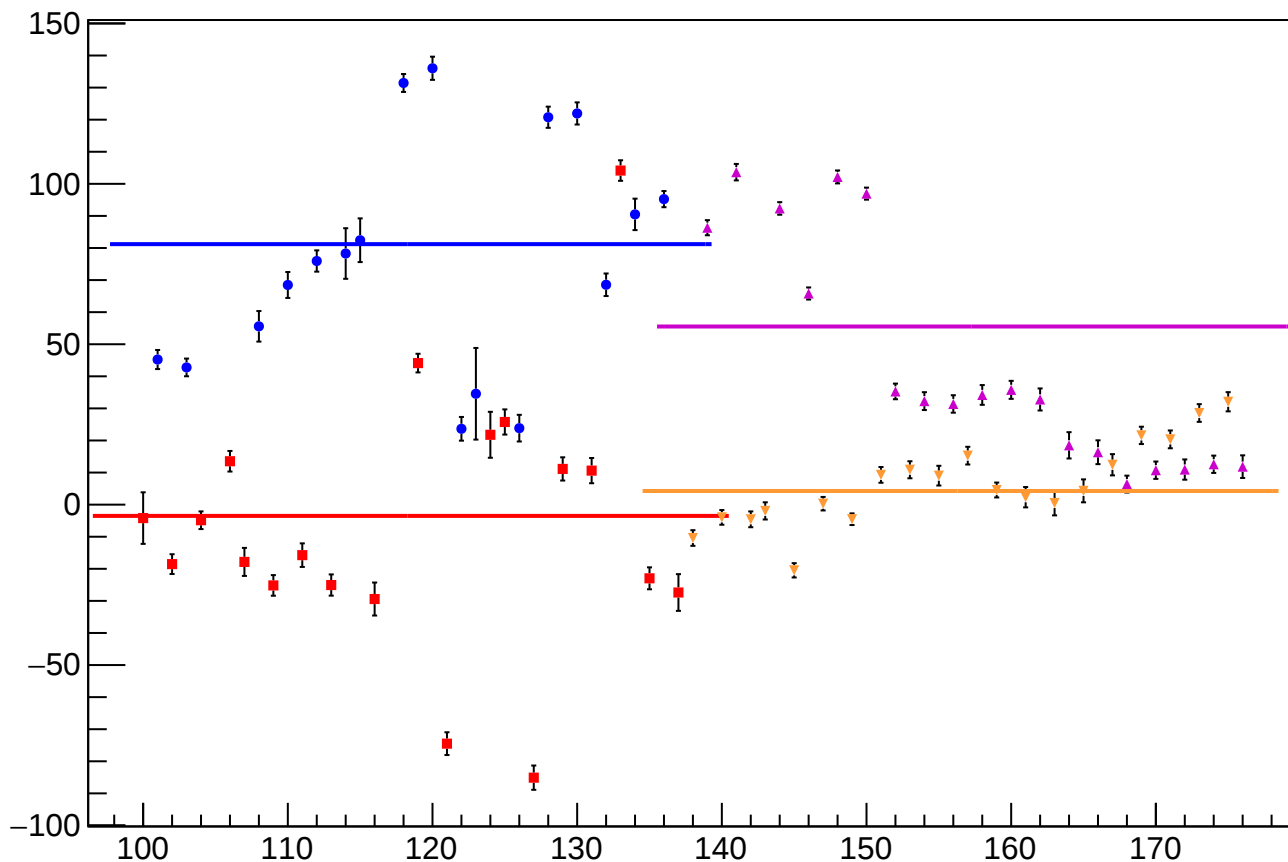
Left In: 322.898+/-0.060 χ^2/NDF : 310998.2/18

+ sign 1.886+/-0.001 χ^2/NDF : 40582256.4/36

All: 1.891+/-0.001 χ^2/NDF : 80137692.5/74

- sign 1.895+/-0.001 χ^2/NDF : 39555416.1/37

diff_bpm0i01X_mean vs Slug



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

Left Out: 4.256 $\pm$ 0.581 χ^2 /NDF: 491.4/19

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

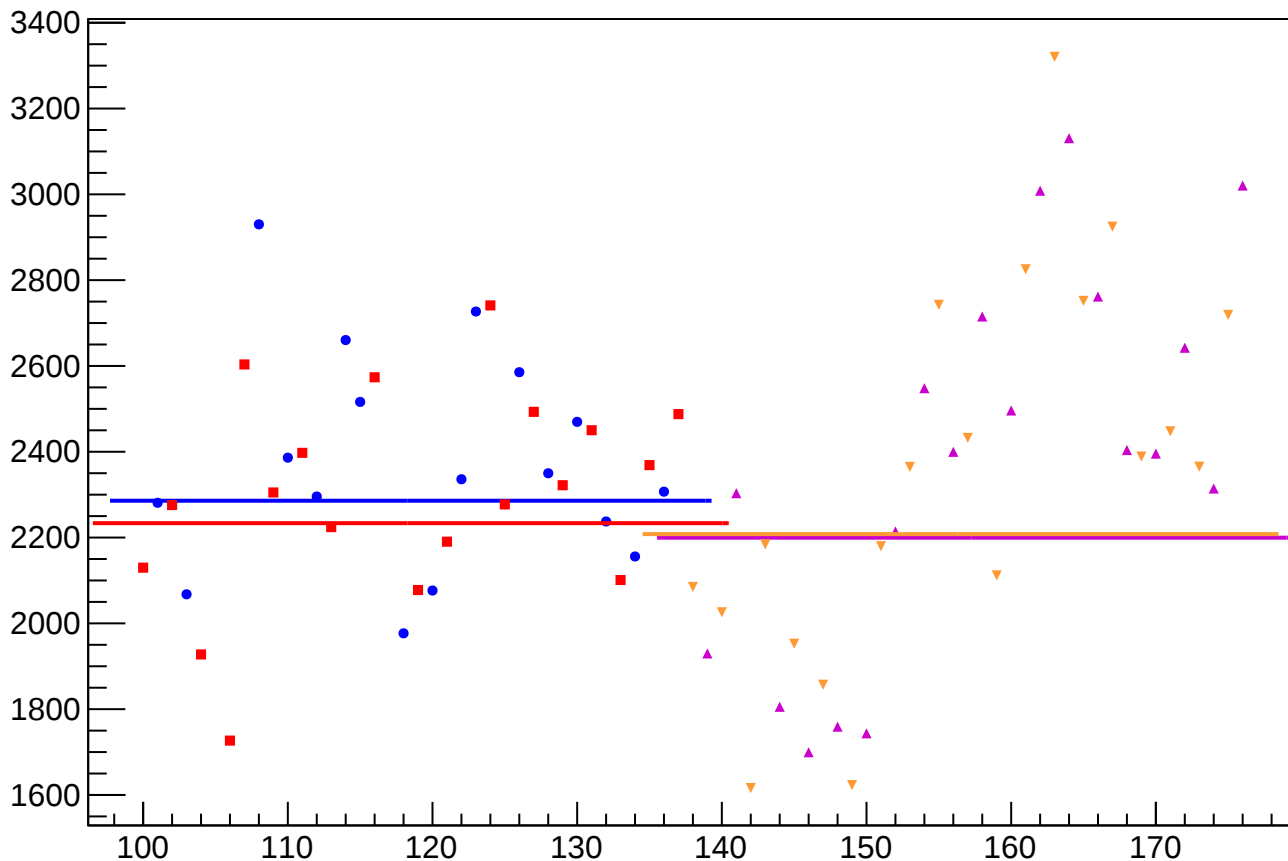
Left In: 55.528 $\pm$ 0.589 χ^2 /NDF: 3702.8/18

+ sign 27.378 $\pm$ 0.486 χ^2 /NDF: 7480.6/36

All: 31.785 $\pm$ 0.342 χ^2 /NDF: 17244.1/74

- sign 36.143 $\pm$ 0.483 χ^2 /NDF: 9599.6/37

diff_bpm0i01X_rms vs Slug



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

Left Out: 2208.022+/-0.410 χ^2/NDF : 977636.3/19

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

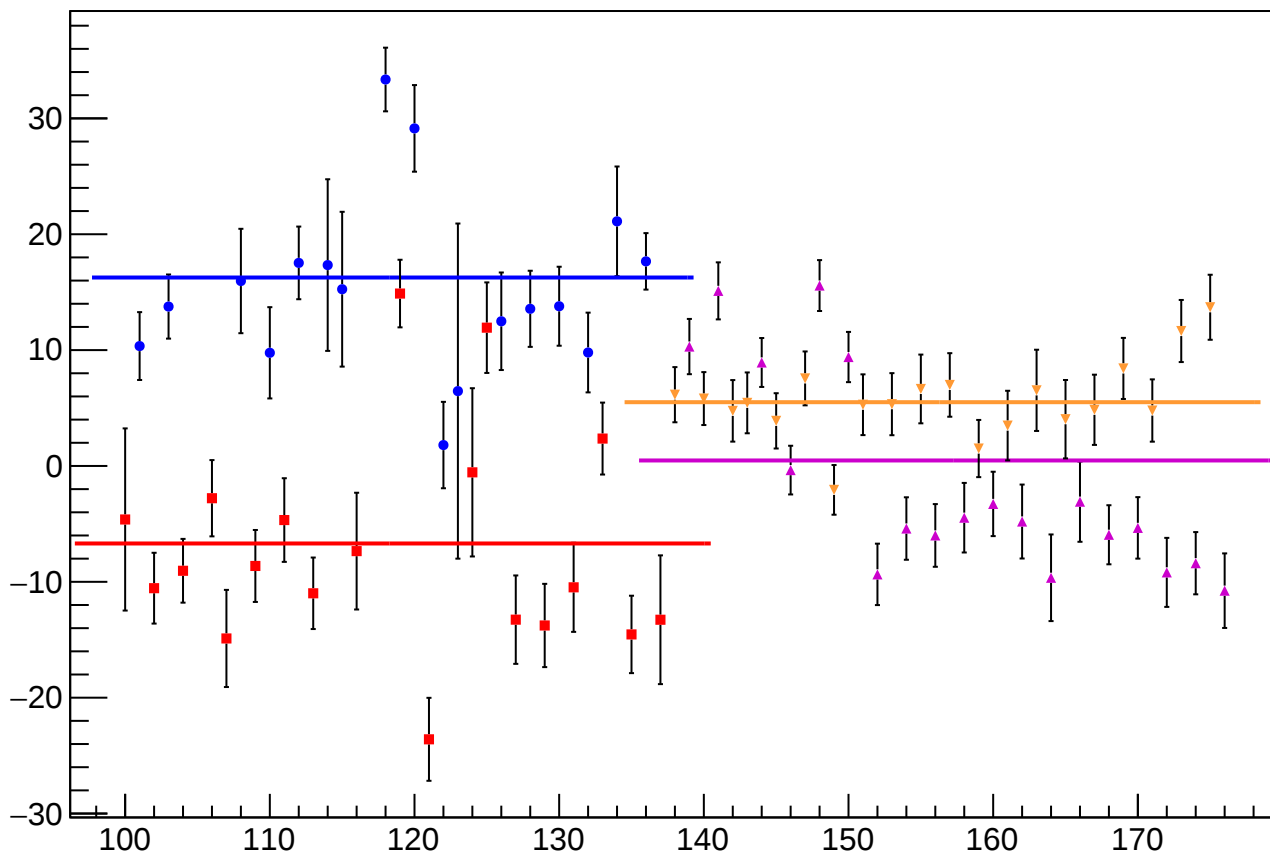
Left In: 2199.709+/-0.417 χ^2/NDF : 1018187.3/18

+ sign 2231.411+/-0.343 χ^2/NDF : 1097776.8/36

All: 2221.057+/-0.242 χ^2/NDF : 2266788.3/74

- sign 2210.820+/-0.341 χ^2/NDF : 1167202.7/37

diff_bpm0i01Y_mean vs Slug



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

Left Out: 5.504 ± 0.591 χ^2/NDF : 32.8/19

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

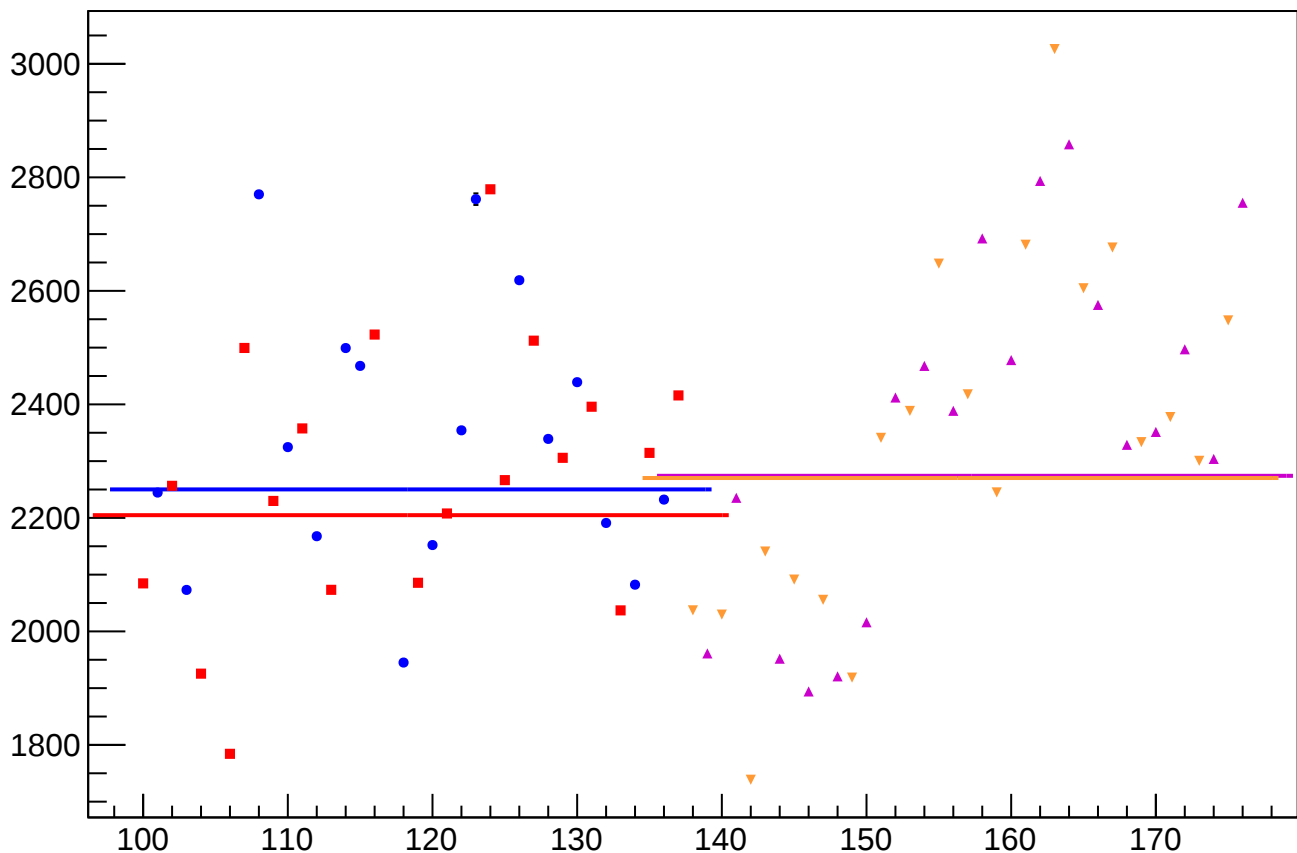
Left In: 0.474 ± 0.601 χ^2/NDF : 217.3/18

+ sign 8.892 ± 0.489 χ^2/NDF : 218.1/36

All: 3.431 ± 0.345 χ^2/NDF : 866.7/74

- sign -1.989 ± 0.487 χ^2/NDF : 400.1/37

diff_bpm0i01Y_rms vs Slug



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

Left Out: 2270.240+/-0.418 χ^2/NDF : 462258.6/19

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

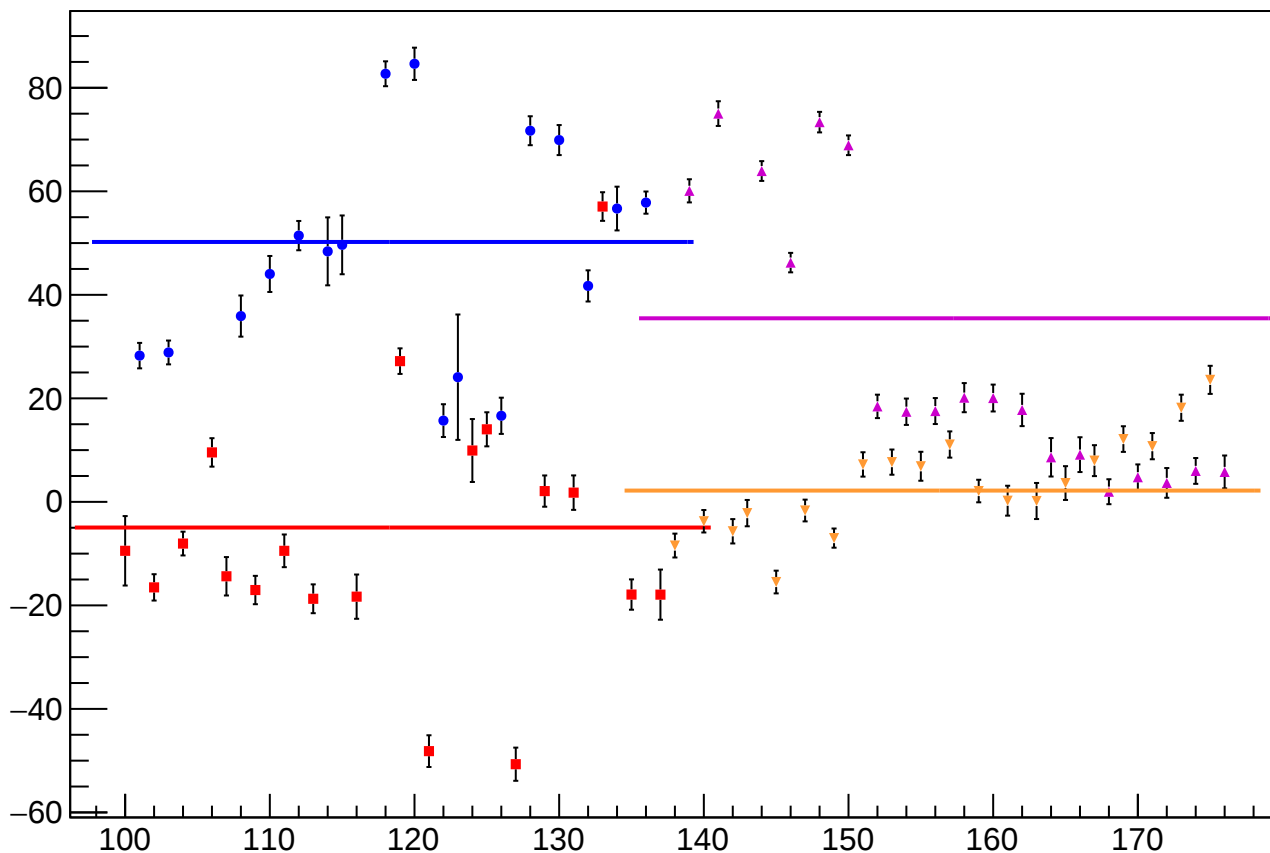
Left In: 2274.123+/-0.425 χ^2/NDF : 471617.8/18

+ sign 2263.923+/-0.346 χ^2/NDF : 560563.1/36

All: 2257.078+/-0.244 χ^2/NDF : 1168330.6/74

- sign 2250.285+/-0.344 χ^2/NDF : 606986.6/37

diff_bpm0i01aX_mean vs Slug



Right In: 50.215 $\pm$ 0.751 χ^2/NDF : 830.3/16

Left Out: 2.182 $\pm$ 0.549 χ^2/NDF : 295.0/19

Right Out: -4.958 $\pm$ 0.713 χ^2/NDF : 1262.6/18

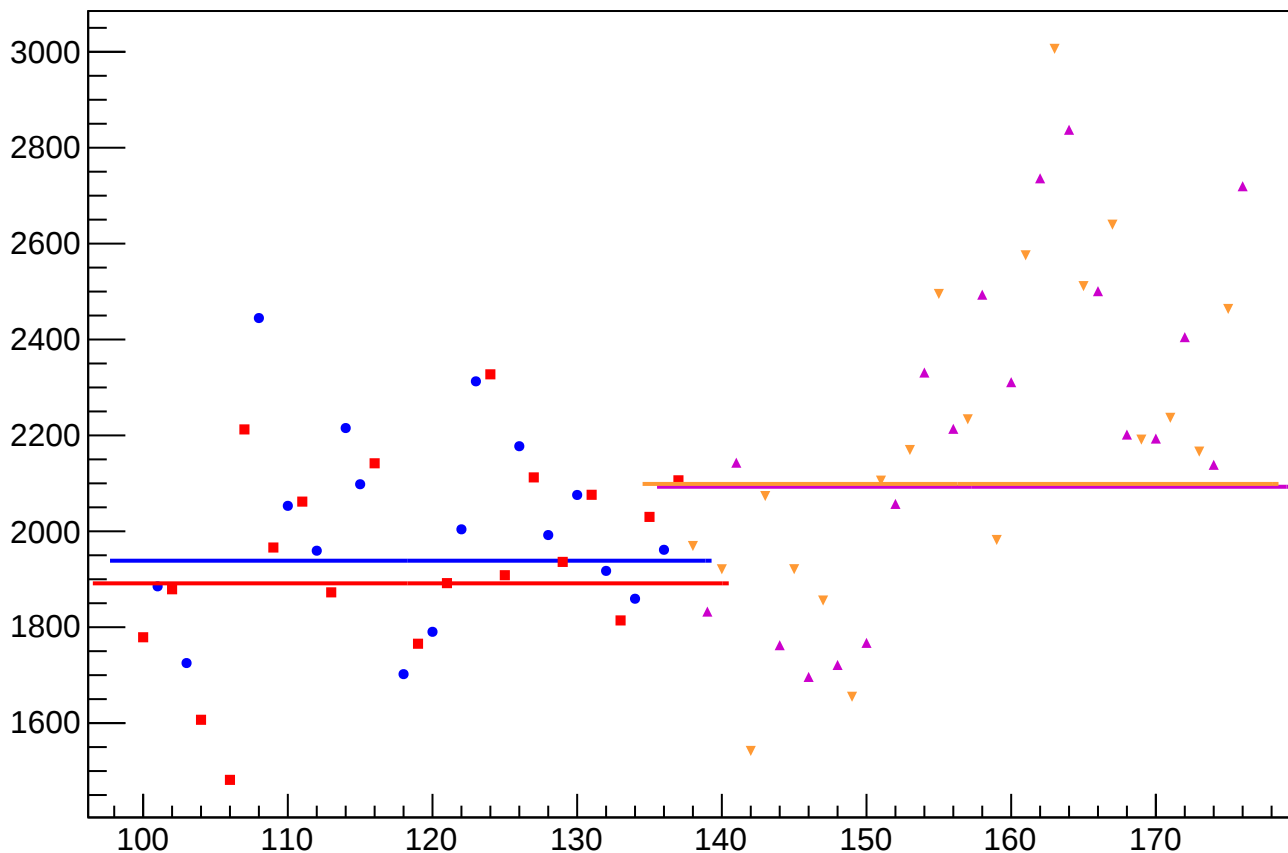
Left In: 35.466 $\pm$ 0.557 χ^2/NDF : 2389.1/18

+ sign 18.898 $\pm$ 0.443 χ^2/NDF : 3794.0/36

All: 19.534 $\pm$ 0.312 χ^2/NDF : 9444.7/74

- sign 20.159 $\pm$ 0.439 χ^2/NDF : 5646.6/37

diff_bpm0i01aX_rms vs Slug



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

Left Out: 2098.811+/-0.388 χ^2/NDF : 673633.0/19

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

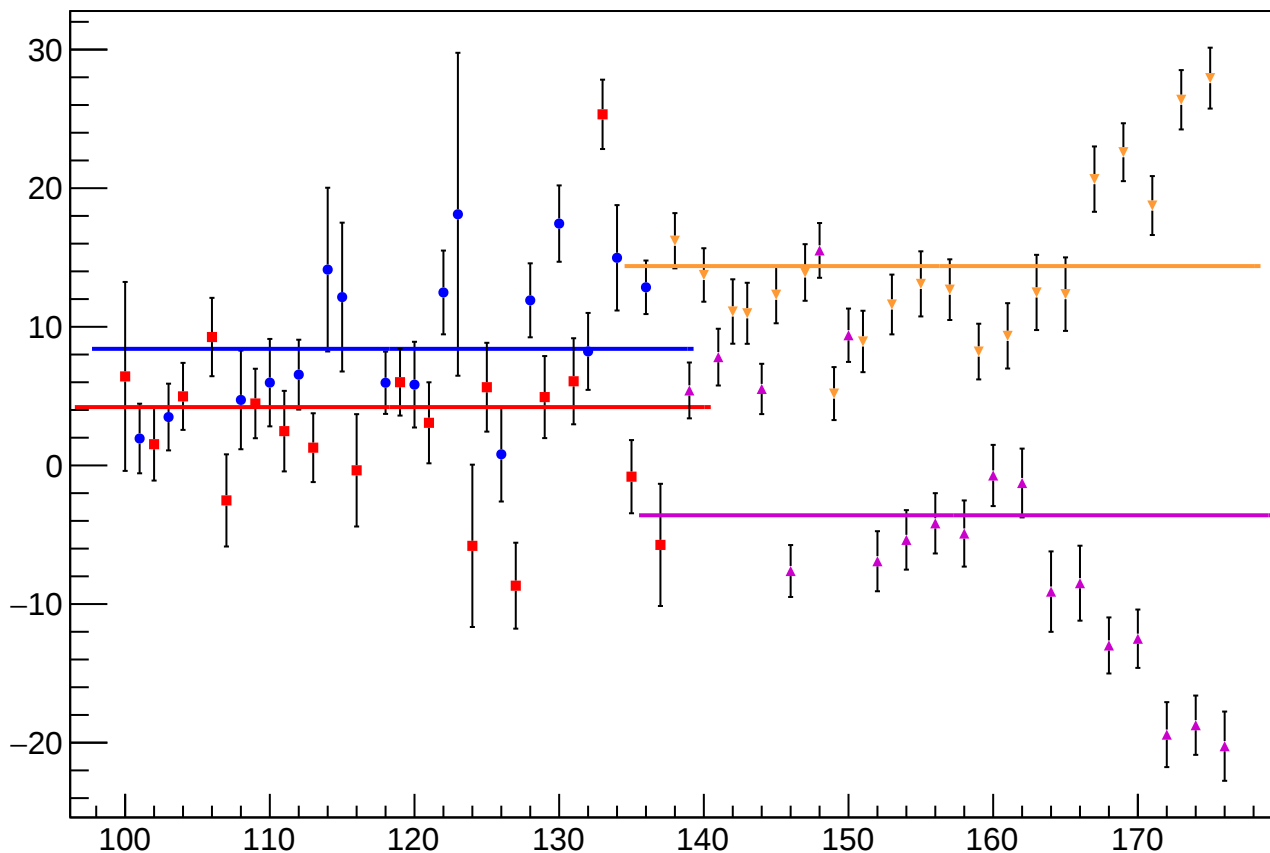
Left In: 2092.917+/-0.394 χ^2/NDF : 686699.1/18

+ sign 2043.085+/-0.313 χ^2/NDF : 833087.6/36

All: 2029.743+/-0.220 χ^2/NDF : 1769096.2/74

- sign 2016.637+/-0.310 χ^2/NDF : 932411.3/37

diff_bpm0i01aY_mean vs Slug



Right In: 8.411 ± 0.711 χ^2/NDF : 44.6/16

Left Out: 14.380 ± 0.486 χ^2/NDF : 149.5/19

Right Out: 4.208 ± 0.682 χ^2/NDF : 113.1/18

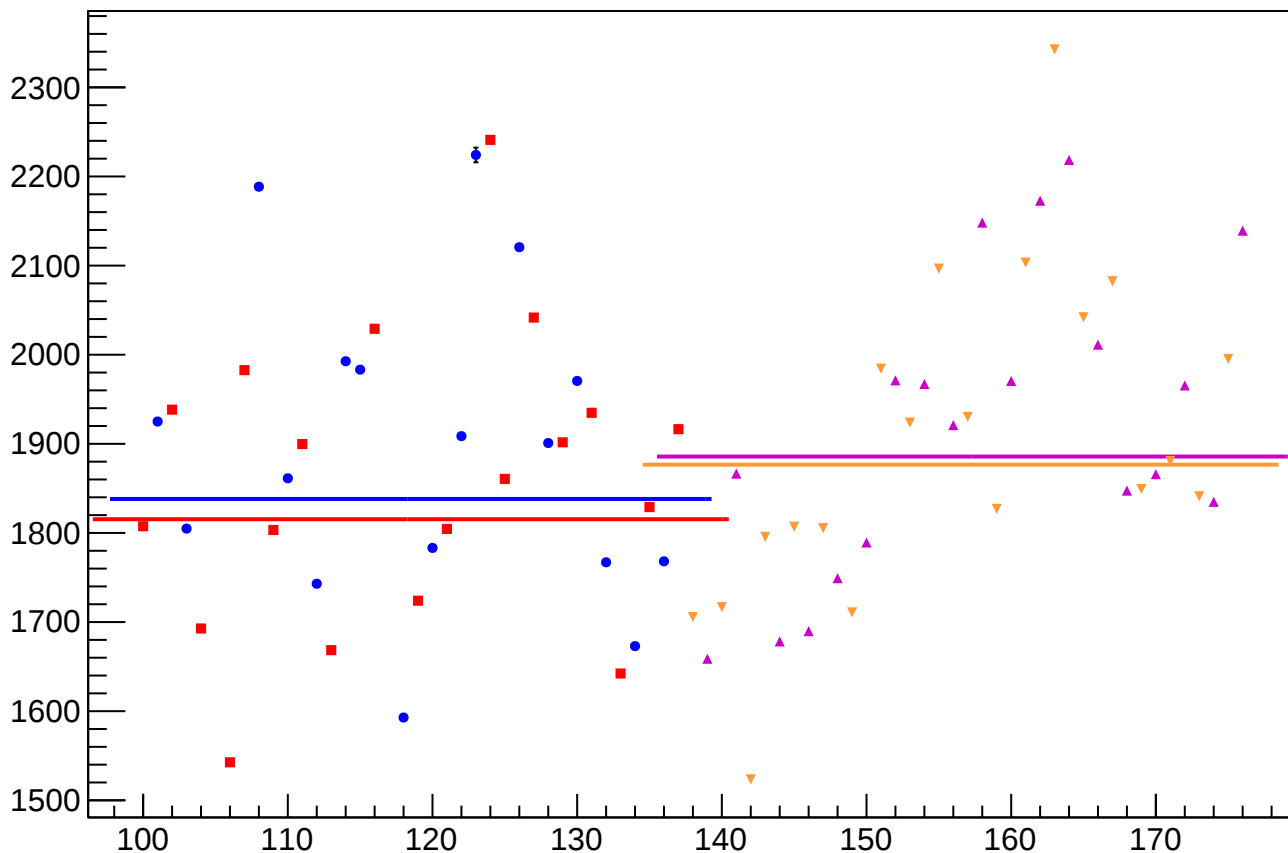
Left In: -3.597 ± 0.496 χ^2/NDF : 412.5/18

+ sign 12.479 ± 0.401 χ^2/NDF : 242.1/36

All: 5.784 ± 0.284 χ^2/NDF : 1409.6/74

- sign -0.901 ± 0.401 χ^2/NDF : 611.2/37

diff_bpm0i01aY_rms vs Slug



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

Left Out: 1876.634 $\pm$ 0.344 χ^2 /NDF: 230063.6/19

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

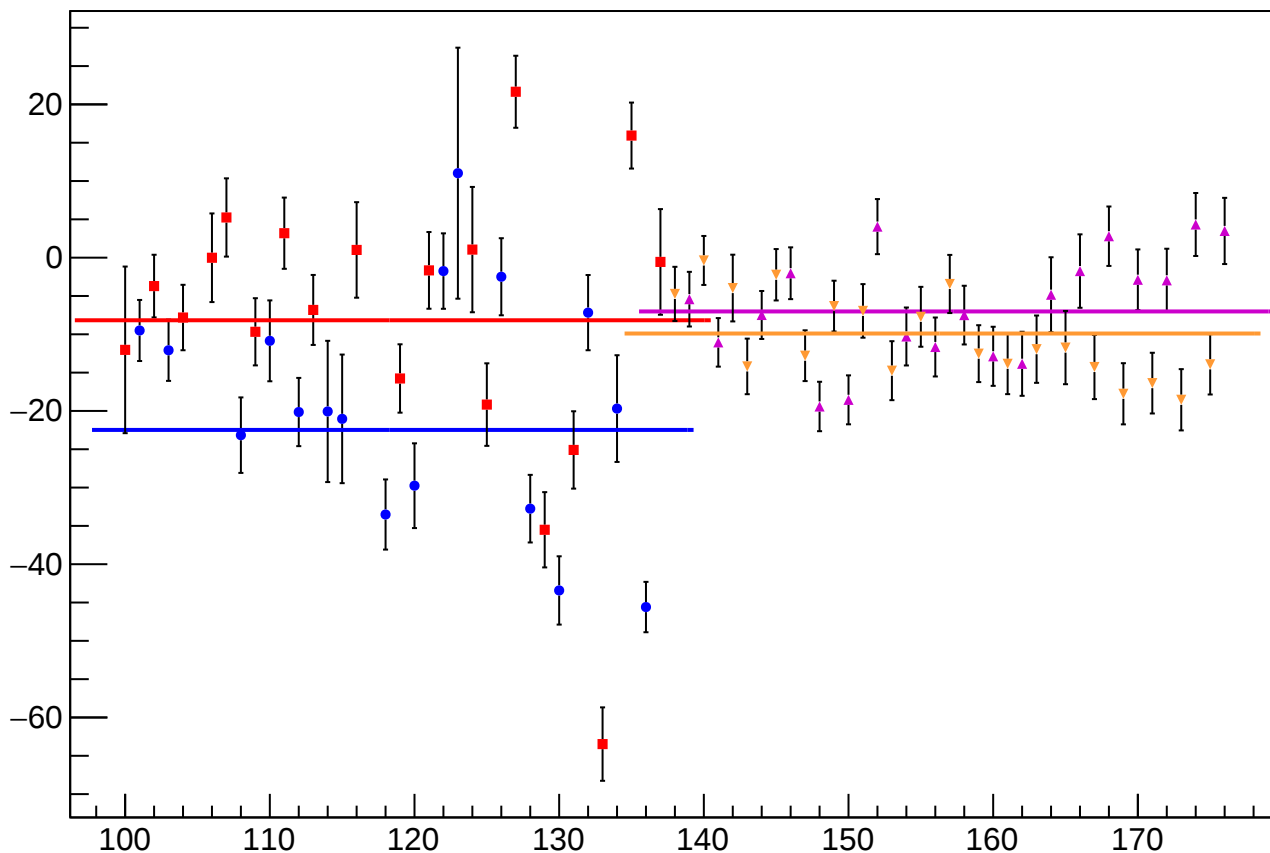
Left In: 1885.755 $\pm$ 0.350 χ^2 /NDF: 204163.1/18

+ sign 1864.379 $\pm$ 0.284 χ^2 /NDF: 316935.0/36

All: 1862.920 $\pm$ 0.201 χ^2 /NDF: 622487.3/74

- sign 1861.463 $\pm$ 0.284 χ^2 /NDF: 305499.5/37

diff_bpm0l01X_mean vs Slug



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

Left Out: -9.898+/-0.844 χ^2/NDF : 42.2/19

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

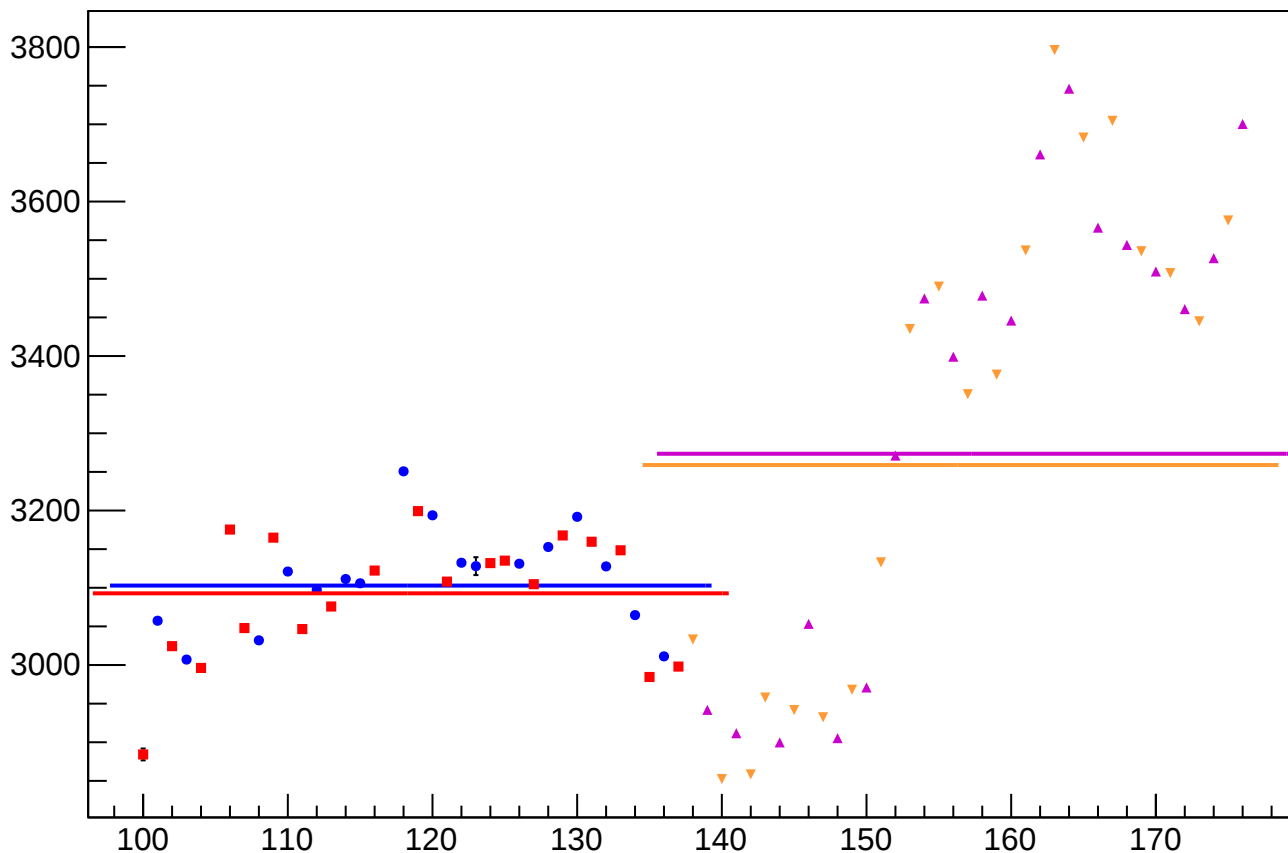
Left In: -7.018+/-0.858 χ^2/NDF : 71.9/18

+ sign -14.084+/-0.689 χ^2/NDF : 270.9/36

All: -10.756+/-0.487 χ^2/NDF : 667.0/74

- sign -7.427+/-0.689 χ^2/NDF : 349.5/37

diff_bpm0l01X_rms vs Slug



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

Left Out: 3258.884 $\pm$ 0.597 χ^2 /NDF: 253763.2/19

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

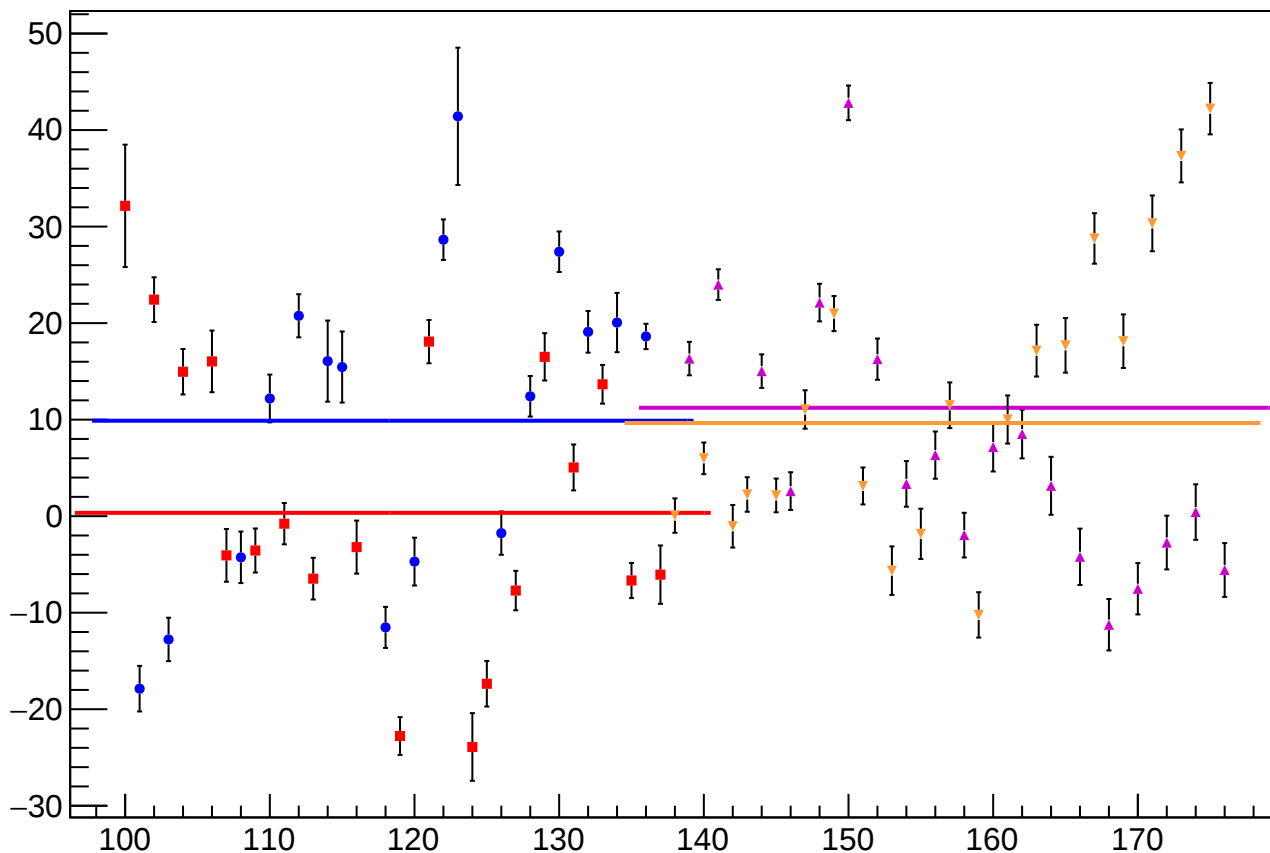
Left In: 3273.500 $\pm$ 0.607 χ^2 /NDF: 233315.9/18

+ sign 3206.957 $\pm$ 0.487 χ^2 /NDF: 283870.6/36

All: 3208.133 $\pm$ 0.345 χ^2 /NDF: 556444.2/74

- sign 3209.309 $\pm$ 0.487 χ^2 /NDF: 272561.9/37

diff_bpm0l01Y_mean vs Slug



Right In: 9.887 $\pm$ 0.559 χ^2 /NDF: 703.6/16

Left Out: 9.653 $\pm$ 0.493 χ^2 /NDF: 653.7/19

Right Out: 0.346 $\pm$ 0.547 χ^2 /NDF: 628.9/18

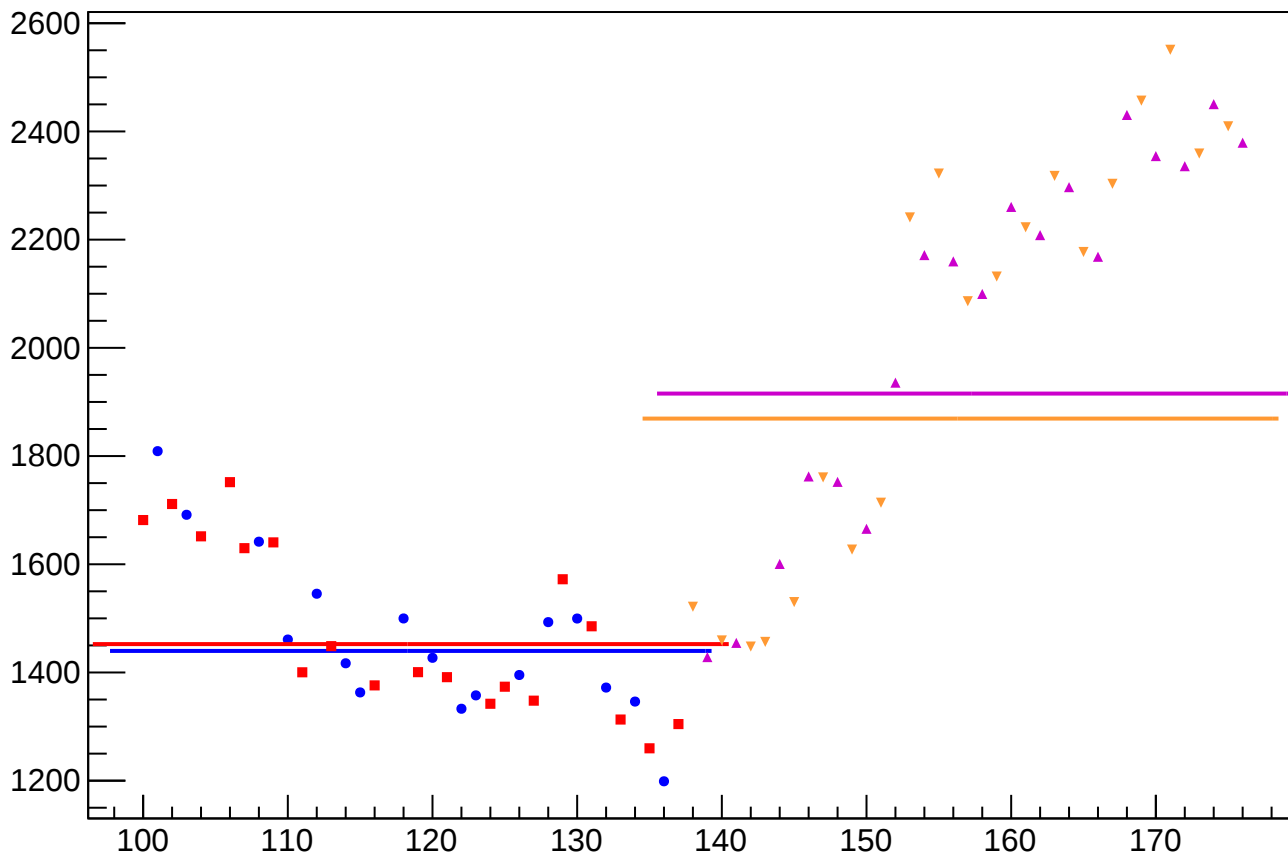
Left In: 11.231 $\pm$ 0.510 χ^2 /NDF: 727.3/18

+ sign 9.755 $\pm$ 0.370 χ^2 /NDF: 1357.5/36

All: 7.979 $\pm$ 0.263 χ^2 /NDF: 2972.3/74

- sign 6.173 $\pm$ 0.373 χ^2 /NDF: 1568.3/37

diff_bpm0l01Y_rms vs Slug



Right In: 1439.826 $\pm$ 0.396 χ^2 /NDF: 172823.5/16

Left Out: 1869.266 $\pm$ 0.348 χ^2 /NDF: 1178622.0/19

Right Out: 1452.452 $\pm$ 0.387 χ^2 /NDF: 138519.7/18

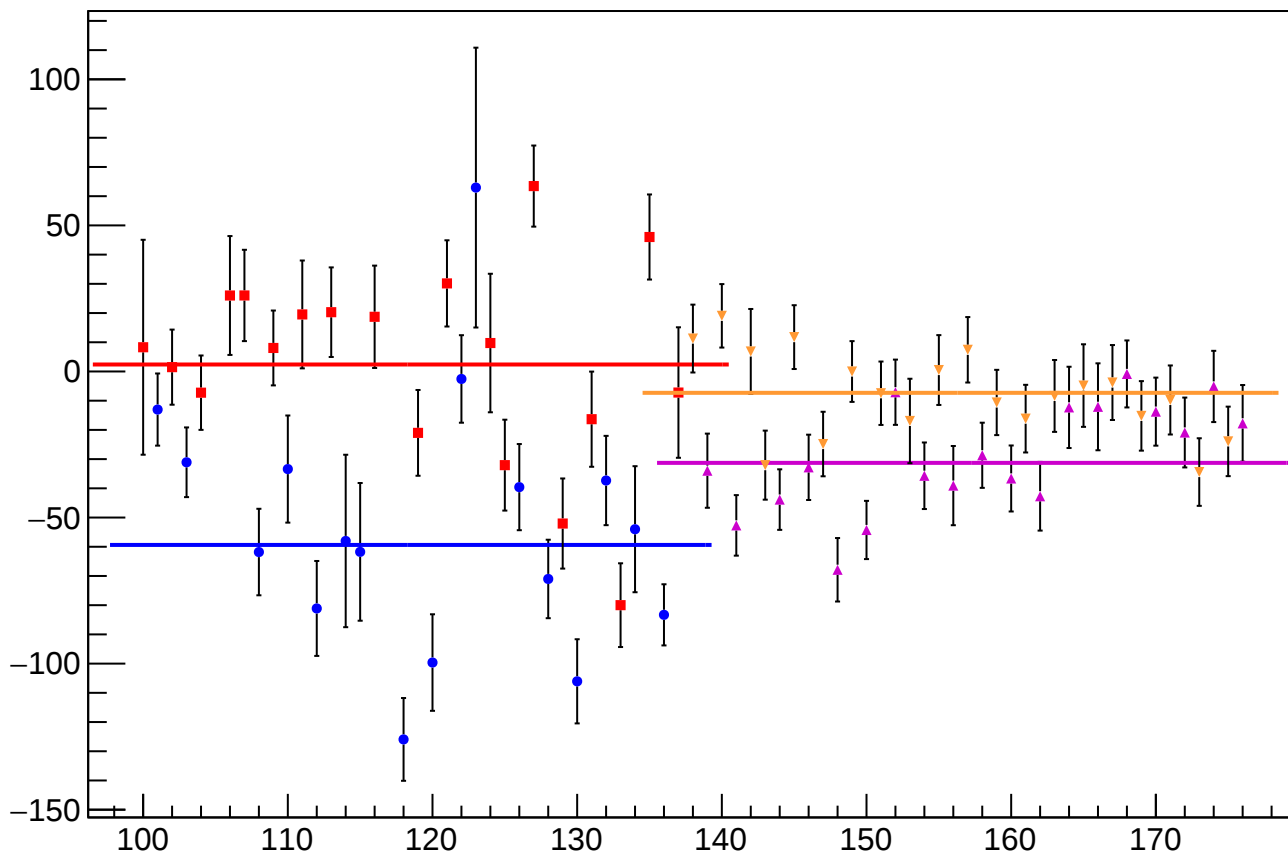
Left In: 1915.487 $\pm$ 0.360 χ^2 /NDF: 924814.5/18

+ sign 1681.729 $\pm$ 0.261 χ^2 /NDF: 2015190.9/36

All: 1690.940 $\pm$ 0.186 χ^2 /NDF: 3848486.0/74

- sign 1700.306 $\pm$ 0.264 χ^2 /NDF: 1830791.5/37

diff_bpm0l02X_mean vs Slug



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

Left Out: -7.309 ± 2.637 χ^2/NDF : 31.2/19

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

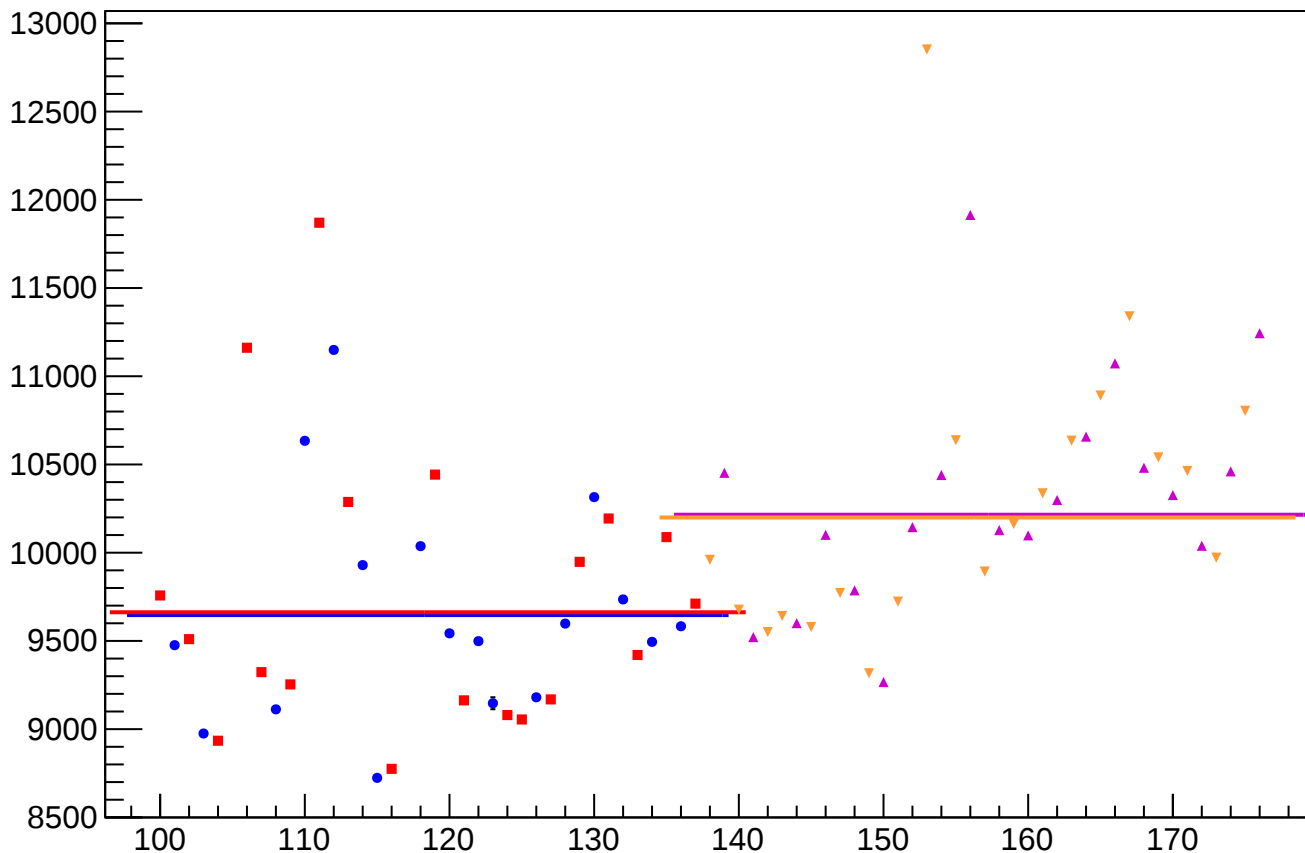
Left In: -31.285 ± 2.674 χ^2/NDF : 48.1/18

+ sign -24.668 ± 2.153 χ^2/NDF : 254.0/36

All: -22.053 ± 1.522 χ^2/NDF : 454.8/74

- sign -19.438 ± 2.153 χ^2/NDF : 197.8/37

diff_bpm0l02X_rms vs Slug



Right In: 9646.480+/-2.637 χ^2/NDF : 44060.3/16

Left Out: 10199.452+/-1.865 χ^2/NDF : 145235.1/19

Right Out: 9662.363+/-2.567 χ^2/NDF : 77584.0/18

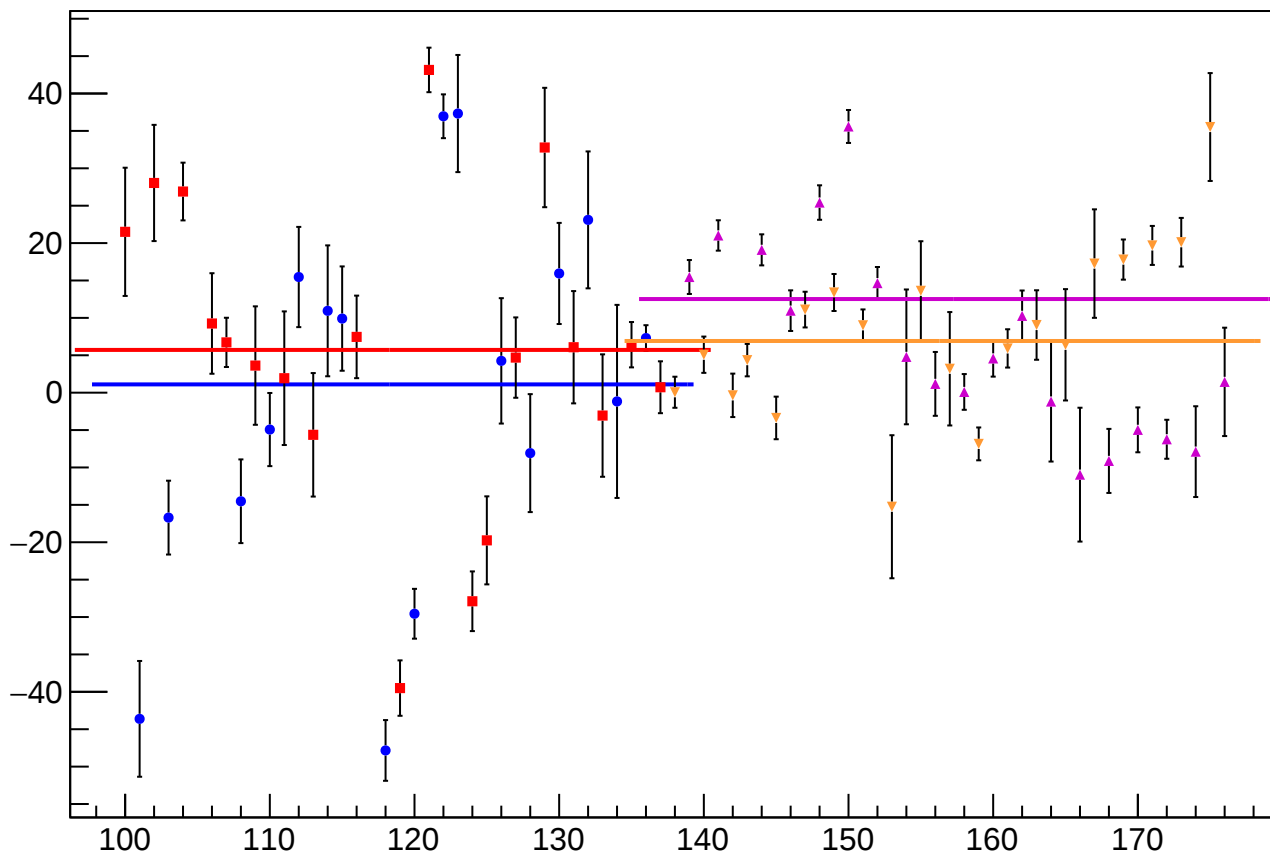
Left In: 10215.212+/-1.891 χ^2/NDF : 94279.8/18

+ sign 10015.087+/-1.522 χ^2/NDF : 218614.6/36

All: 10017.900+/-1.076 χ^2/NDF : 420560.4/74

- sign 10020.712+/-1.522 χ^2/NDF : 201938.9/37

diff_bpm0l02Y_mean vs Slug



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

Left Out: 6.911 ± 0.658 χ^2/NDF : 164.1/19

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

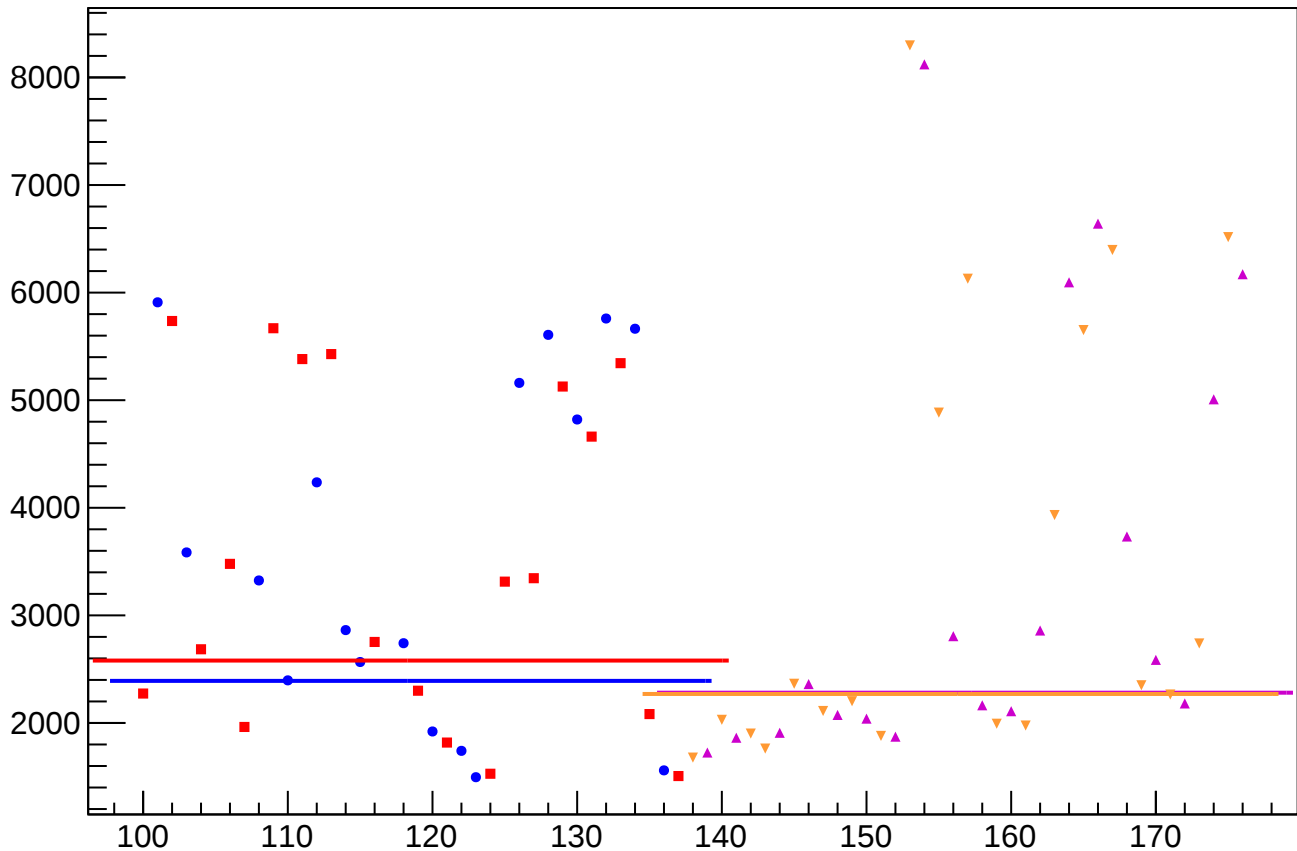
Left In: 12.520 ± 0.659 χ^2/NDF : 352.2/18

+ sign 5.312 ± 0.560 χ^2/NDF : 675.2/36

All: 7.983 ± 0.397 χ^2/NDF : 1557.8/74

- sign 10.699 ± 0.564 χ^2/NDF : 836.7/37

diff_bpm0l02Y_rms vs Slug



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

Left Out: 2269.559 ± 0.465 χ^2/NDF : 4139014.2/19

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

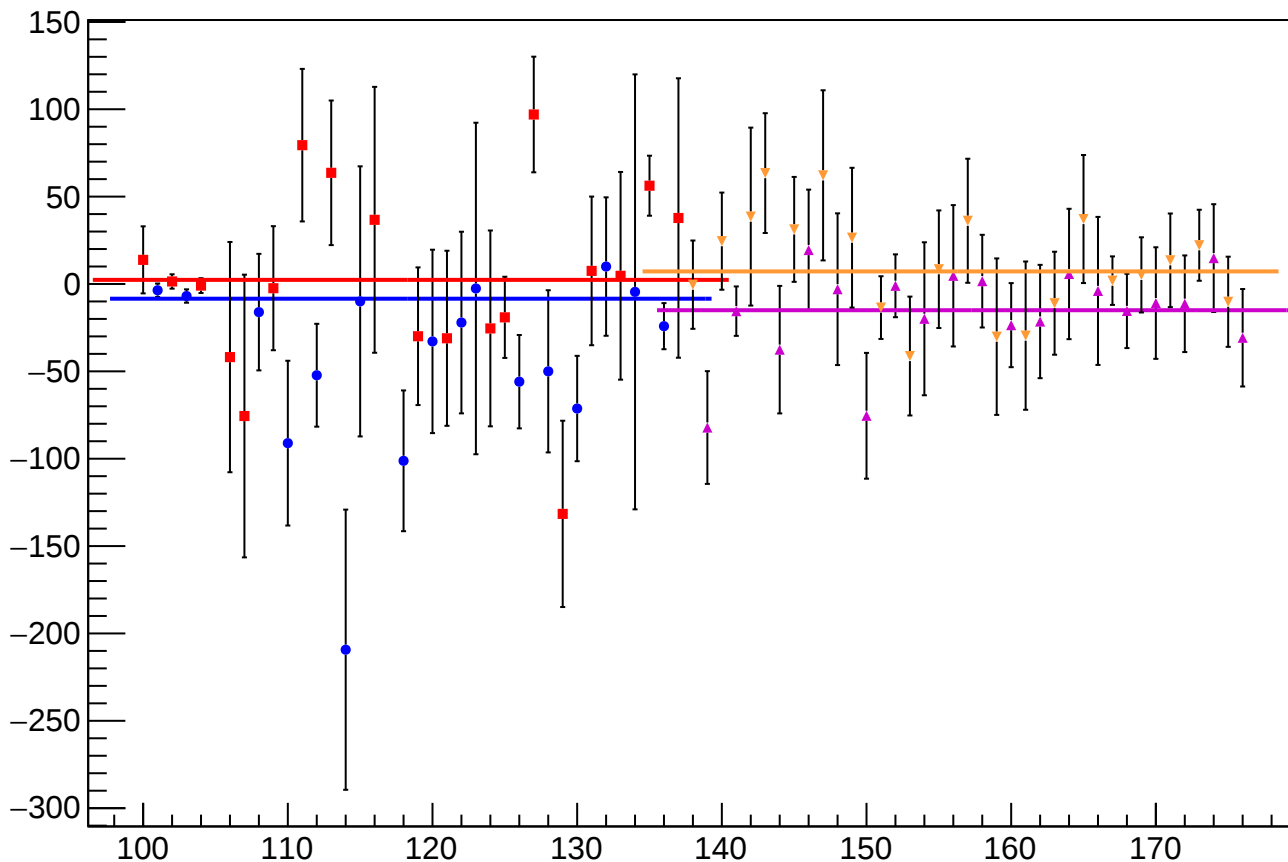
Left In: 2281.385 ± 0.466 χ^2/NDF : 3486652.3/18

+ sign 2303.063 ± 0.396 χ^2/NDF : 6758400.3/36

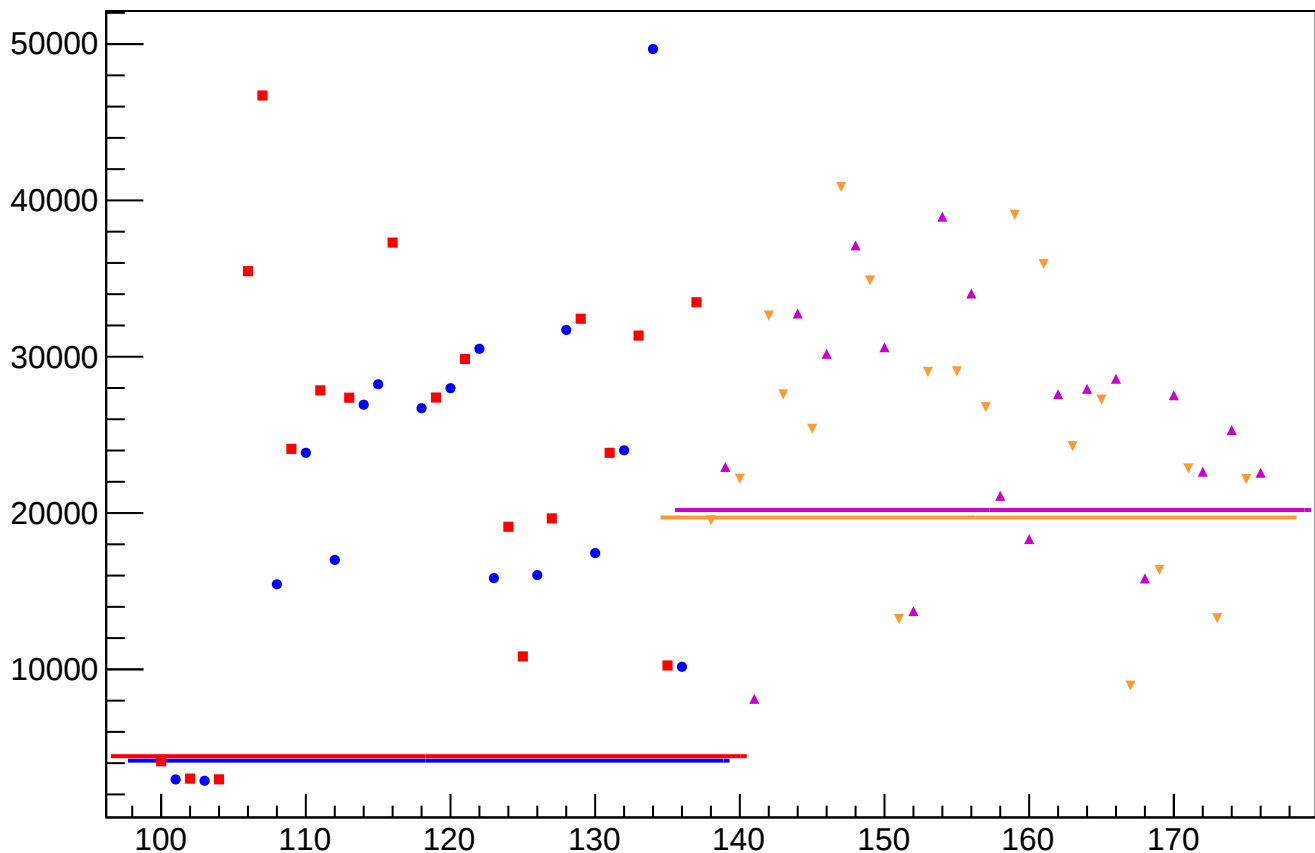
All: 2331.939 ± 0.281 χ^2/NDF : 12730805.0/7

- sign 2361.292 ± 0.399 χ^2/NDF : 5961673.1/37

diff_bpm0l03X_mean vs Slug



diff_bpm0l03X_rms vs Slug



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

Left Out: 19714.378+/-4.262 χ^2/NDF : 3927368.0/19

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

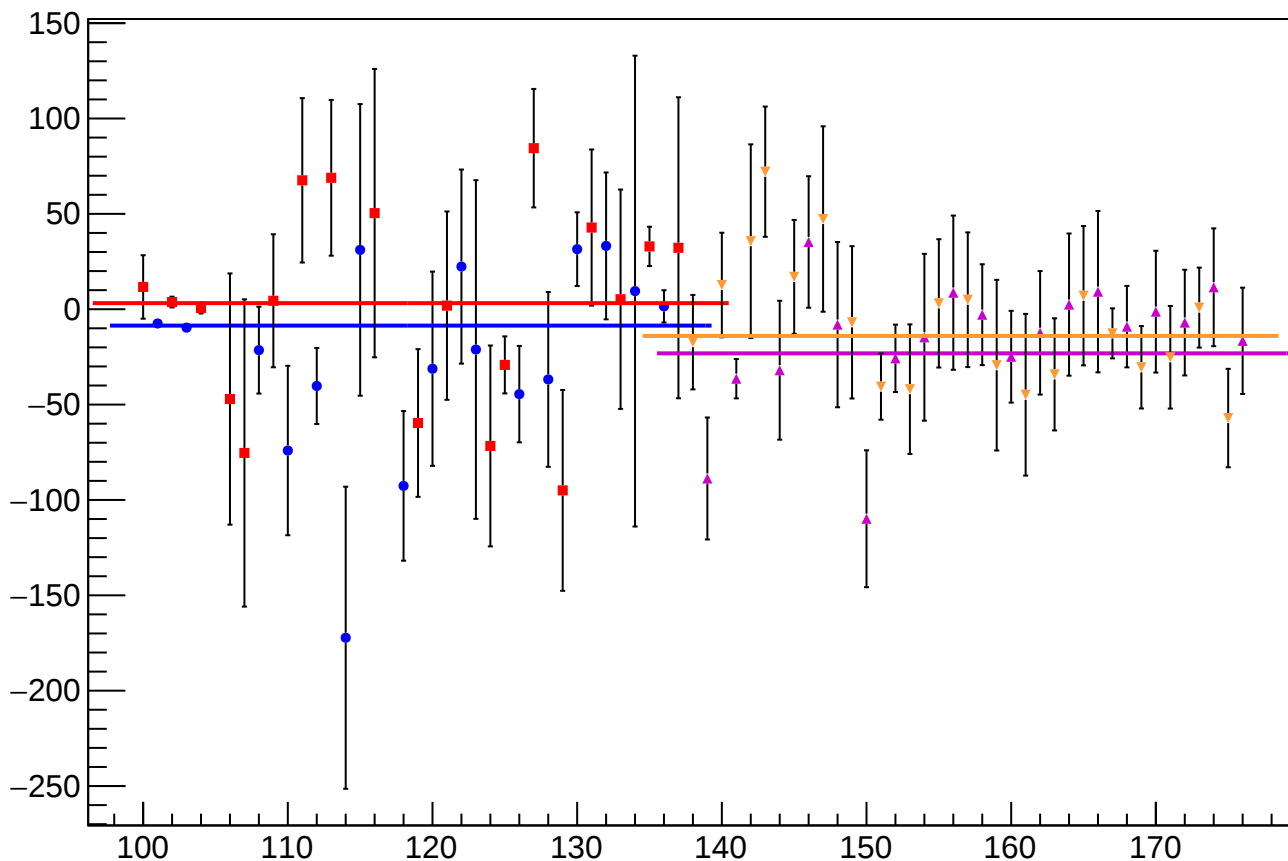
Left In: 20193.657+/-4.447 χ^2/NDF : 3767687.5/18

+ sign 6581.924+/-1.681 χ^2/NDF : 21159025.1/36

All: 6791.338+/-1.229 χ^2/NDF : 42867957.3/7

- sign 7031.811+/-1.802 χ^2/NDF : 21675601.3/37

diff_bpm0l03Y_mean vs Slug



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

Left Out: -13.990 ± 5.940 χ^2/NDF : 20.1/19

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

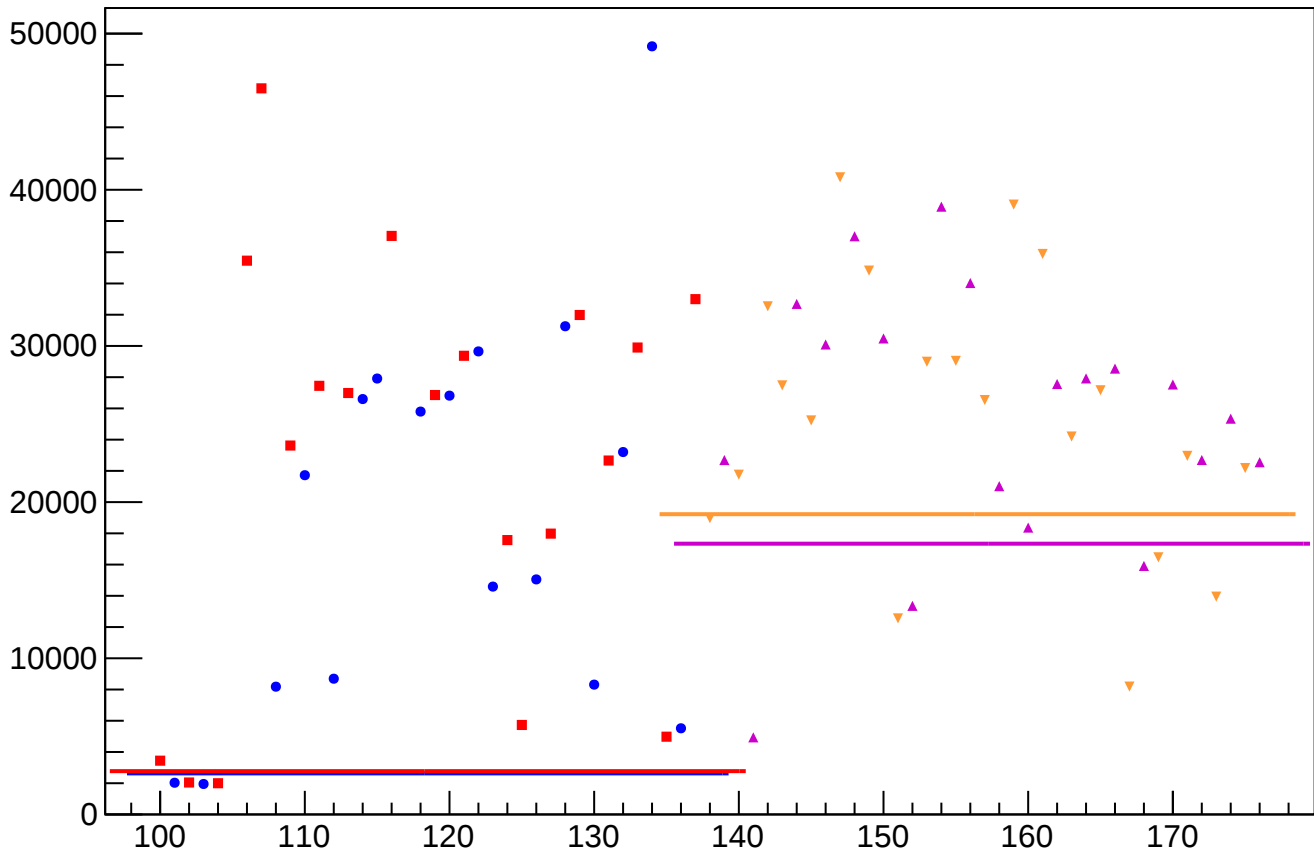
Left In: -23.129 ± 5.790 χ^2/NDF : 19.7/18

+ sign -9.031 ± 1.703 χ^2/NDF : 45.2/36

All: -4.555 ± 1.245 χ^2/NDF : 135.3/74

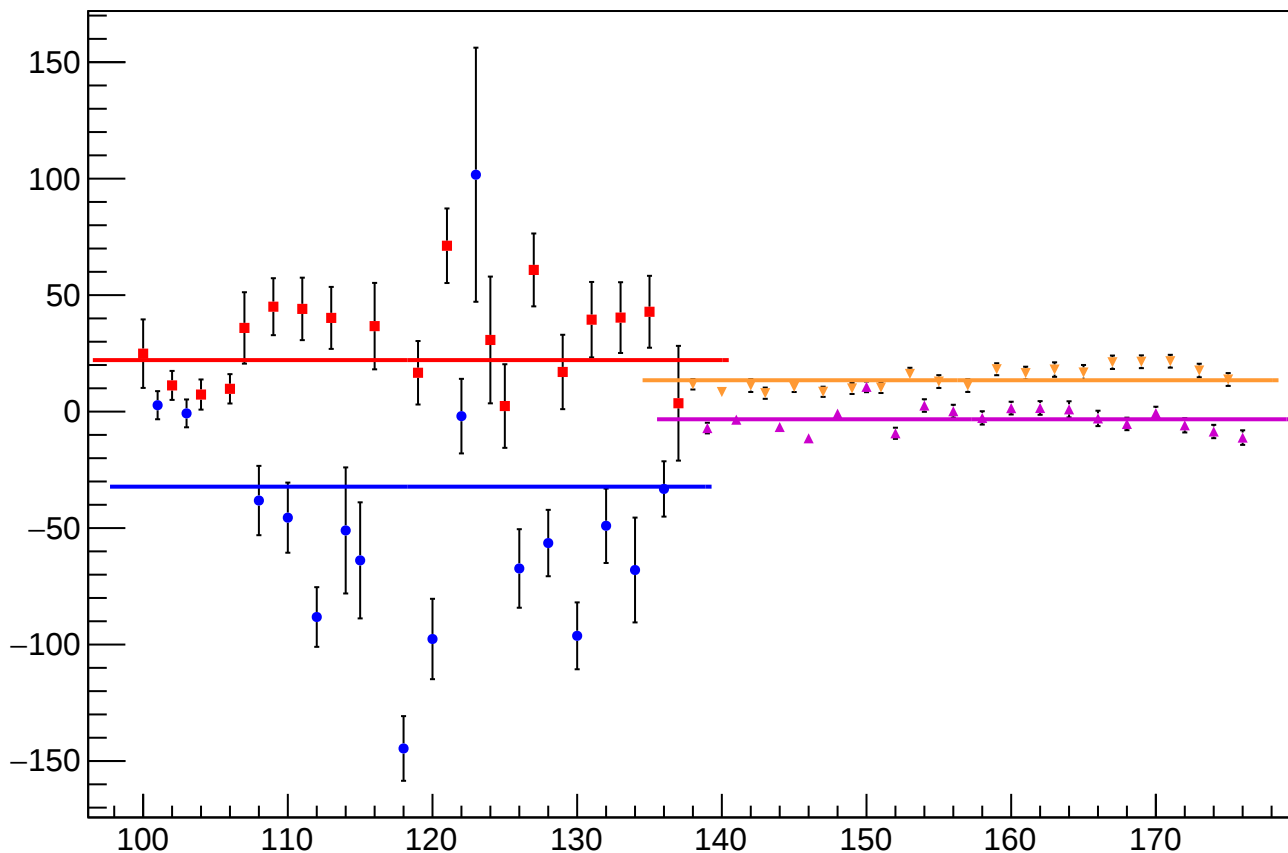
- sign 0.580 ± 1.824 χ^2/NDF : 75.2/37

diff_bpm0l03Y_rms vs Slug



Right In: 2630.547+/-1.257	χ^2/NDF : 5588981.6/16	+ sign 3994.752+/-1.204	χ^2/NDF : 24180645.8/36
Left Out: 19226.425+/-4.200	χ^2/NDF : 4264263.3/19	All: 4099.407+/-0.880	χ^2/NDF : 49656940.0/7
Right Out: 2773.446+/-1.359	χ^2/NDF : 7835878.7/18	- sign 4219.487+/-1.290	χ^2/NDF : 25460077.1/37
Left In: 17337.693+/-4.094	χ^2/NDF : 6224724.6/18		

diff_bpm0l04X_mean vs Slug



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

Left Out: 13.461 ± 0.576 χ^2/NDF : 58.8/19

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

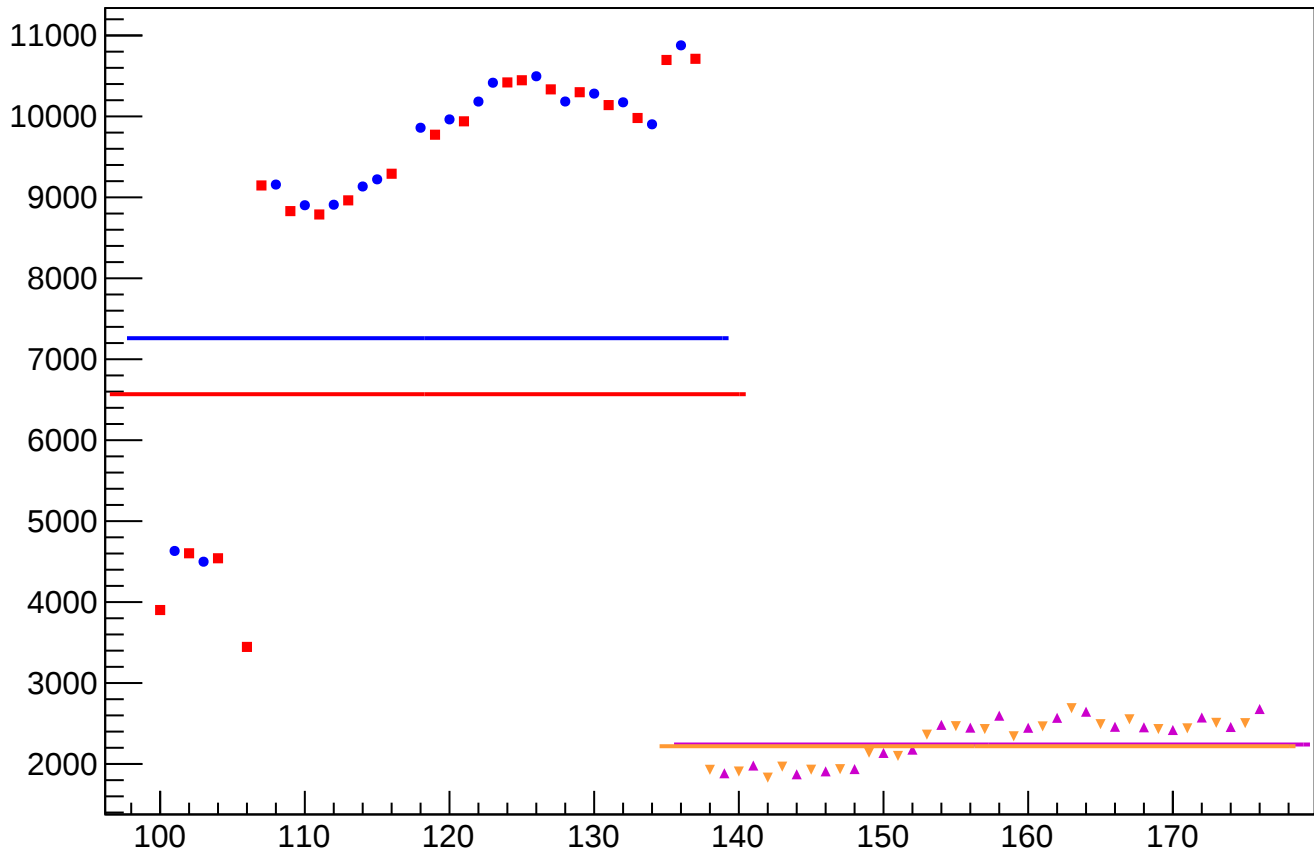
Left In: -3.295 ± 0.590 χ^2/NDF : 90.2/18

+ sign 11.815 ± 0.566 χ^2/NDF : 488.8/36

All: 4.979 ± 0.404 χ^2/NDF : 1006.3/74

- sign -2.111 ± 0.576 χ^2/NDF : 220.3/37

diff_bpm0l04X_rms vs Slug



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

Left Out: 2219.222 $\pm$ 0.408 χ^2 /NDF: 418744.3/19

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

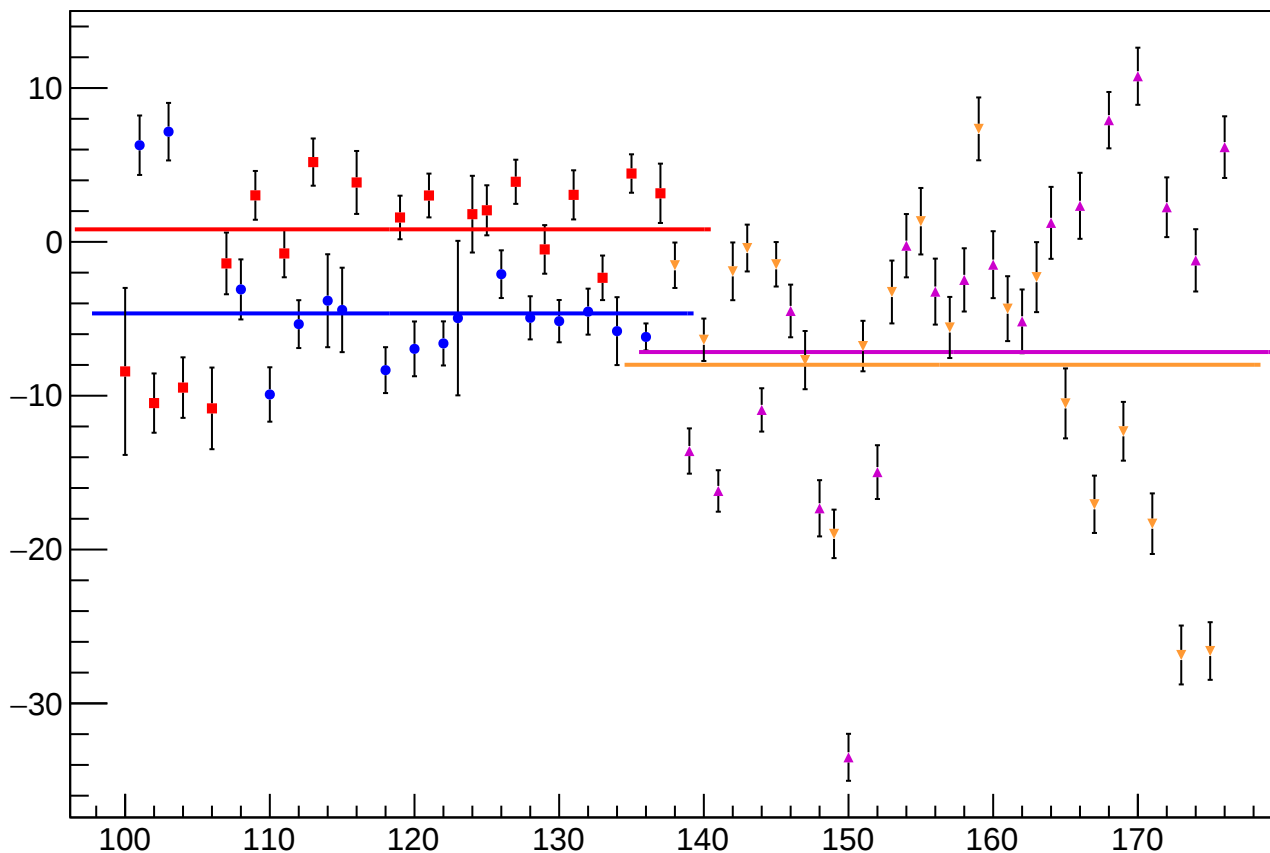
Left In: 2240.429 $\pm$ 0.417 χ^2 /NDF: 464816.4/18

+ sign 2400.844 $\pm$ 0.400 χ^2 /NDF: 7566525.3/36

All: 2421.127 $\pm$ 0.286 χ^2 /NDF: 15245301.8/7

- sign 2442.162 $\pm$ 0.408 χ^2 /NDF: 7673542.9/37

diff_bpm0l04Y_mean vs Slug



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

Left Out: -7.989 ± 0.403 χ^2/NDF : 470.0/19

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

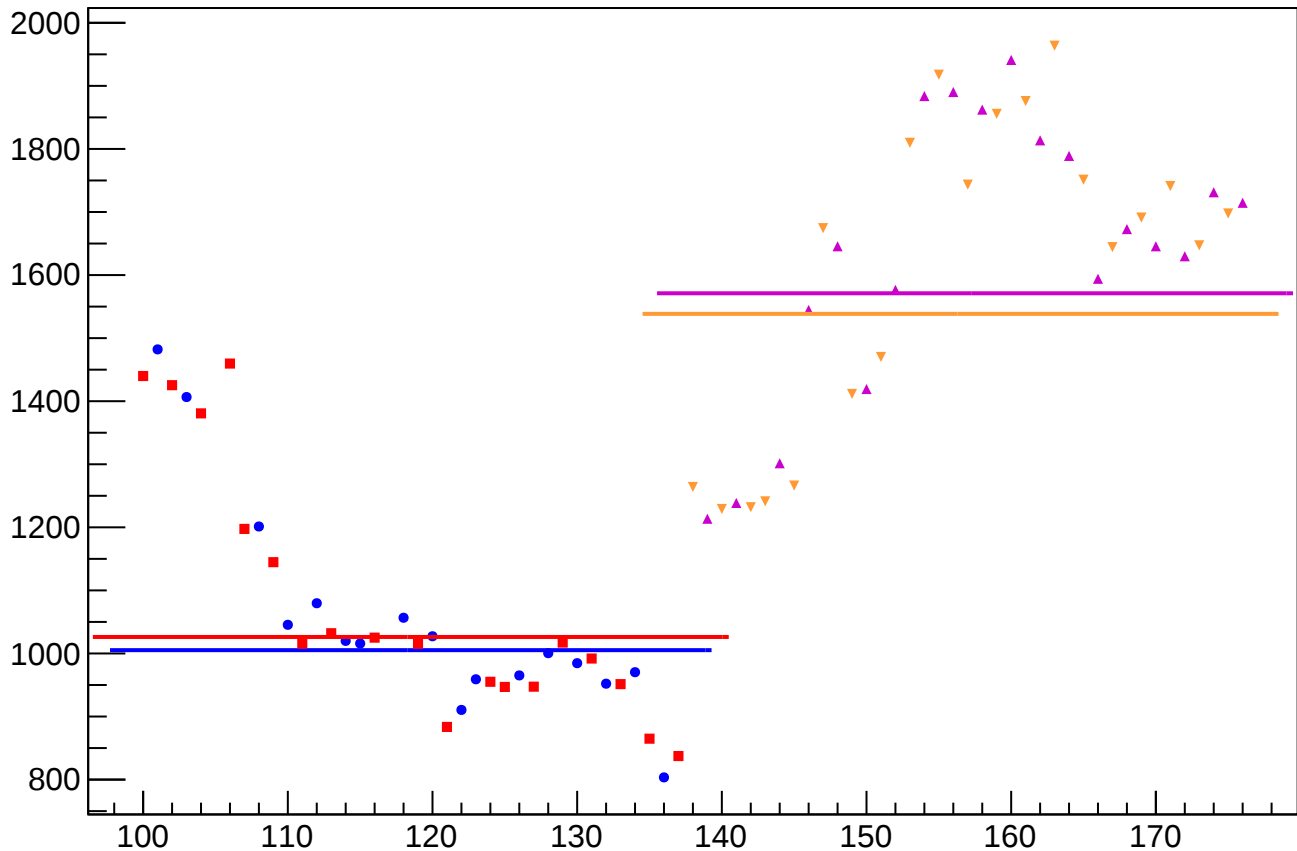
Left In: -7.162 ± 0.415 χ^2/NDF : 719.3/18

+ sign -6.278 ± 0.281 χ^2/NDF : 602.8/36

All: -4.608 ± 0.200 χ^2/NDF : 1713.6/74

- sign -2.906 ± 0.284 χ^2/NDF : 1039.6/37

diff_bpm0l04Y_rms vs Slug



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

Left Out: 1538.494 $\pm$ 0.285 χ^2 /NDF: 763485.1/19

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

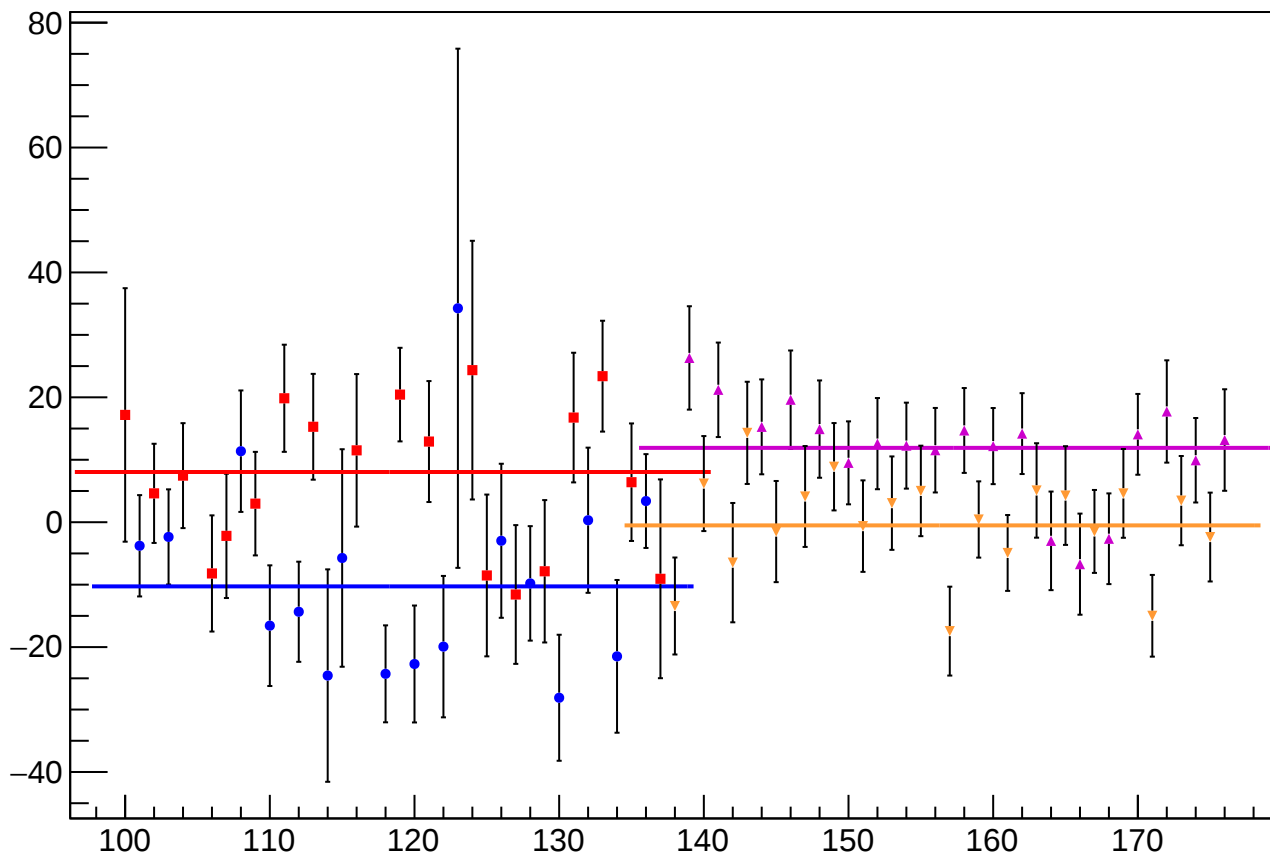
Left In: 1571.116 $\pm$ 0.294 χ^2 /NDF: 604017.0/18

+ sign 1265.155 $\pm$ 0.199 χ^2 /NDF: 2923767.0/36

All: 1272.697 $\pm$ 0.141 χ^2 /NDF: 5699614.6/74

- sign 1280.382 $\pm$ 0.201 χ^2 /NDF: 2772941.1/37

diff_bpm0l05X_mean vs Slug



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

Left Out: -0.509 ± 1.625 χ^2/NDF : 23.1/19

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

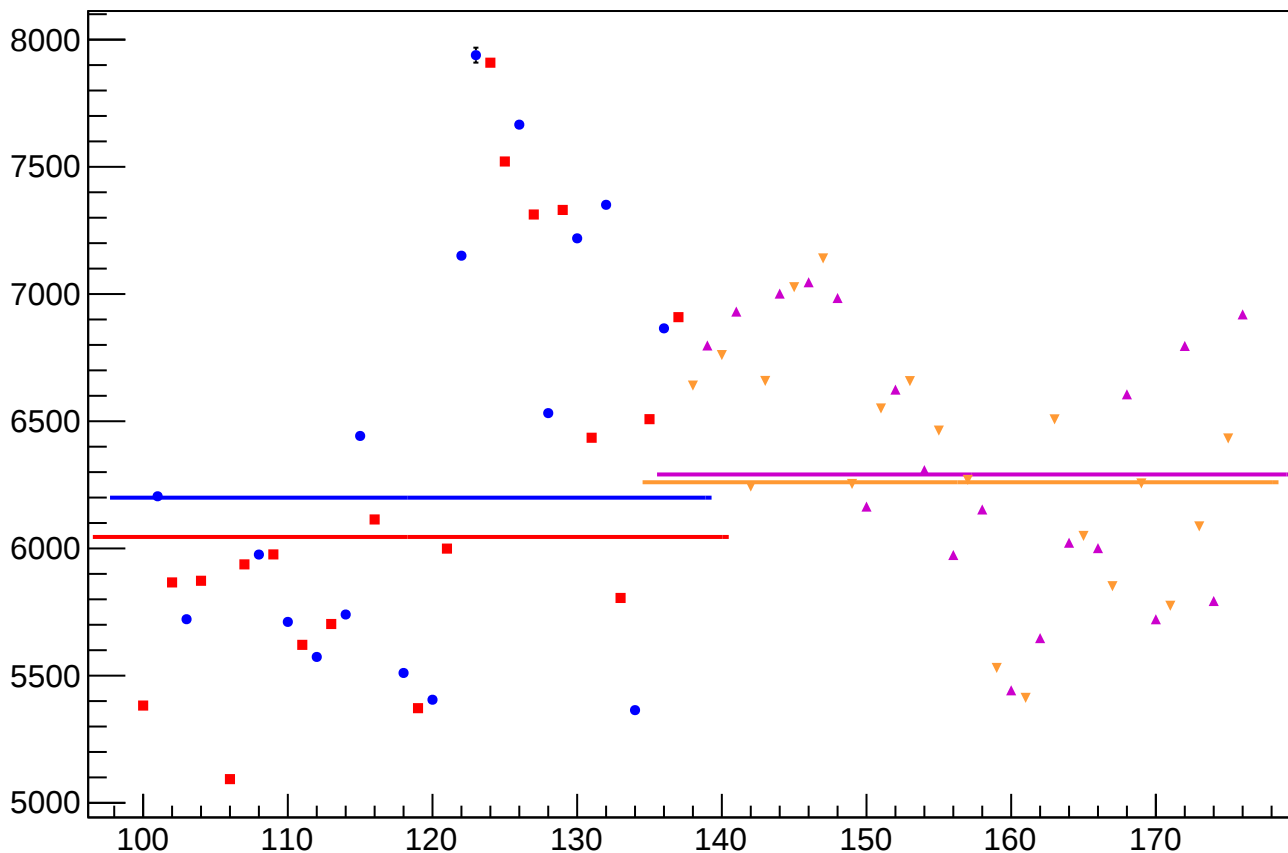
Left In: 11.905 ± 1.656 χ^2/NDF : 19.9/18

+ sign -3.566 ± 1.347 χ^2/NDF : 57.9/36

All: 3.542 ± 0.950 χ^2/NDF : 157.8/74

- sign 10.570 ± 1.339 χ^2/NDF : 44.5/37

diff_bpm0l05X_rms vs Slug



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

Left Out: 6260.176 $\pm$ 1.149 χ^2 /NDF: 162156.2/19

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

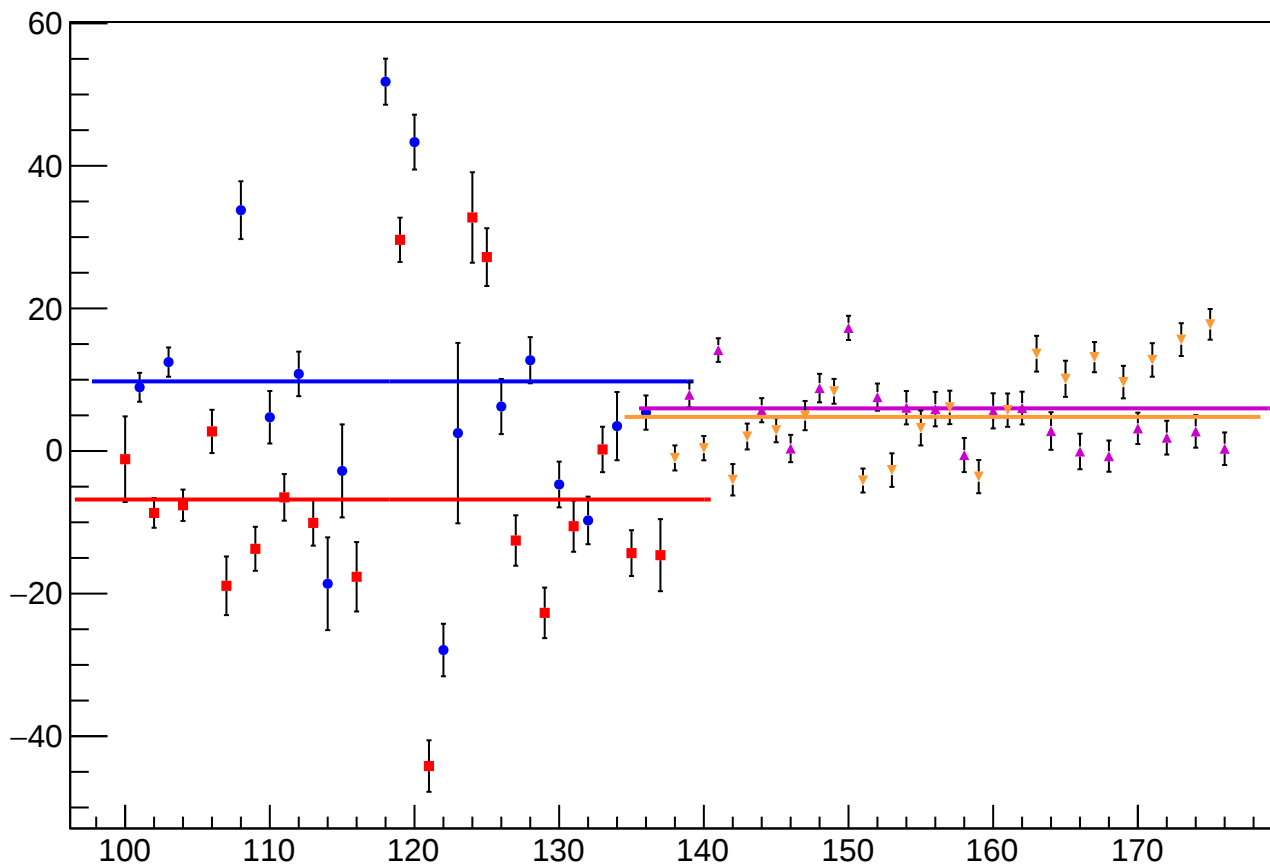
Left In: 6290.813 $\pm$ 1.171 χ^2 /NDF: 196643.9/18

+ sign 6241.222 $\pm$ 0.953 χ^2 /NDF: 334785.8/36

All: 6223.470 $\pm$ 0.672 χ^2 /NDF: 705656.1/74

- sign 6205.917 $\pm$ 0.947 χ^2 /NDF: 370179.5/37

diff_bpm0l05Y_mean vs Slug



Right In: 9.764 ± 0.797 χ^2/NDF : 473.8/16

Left Out: 4.786 ± 0.463 χ^2/NDF : 200.6/19

Right Out: -6.801 ± 0.765 χ^2/NDF : 421.8/18

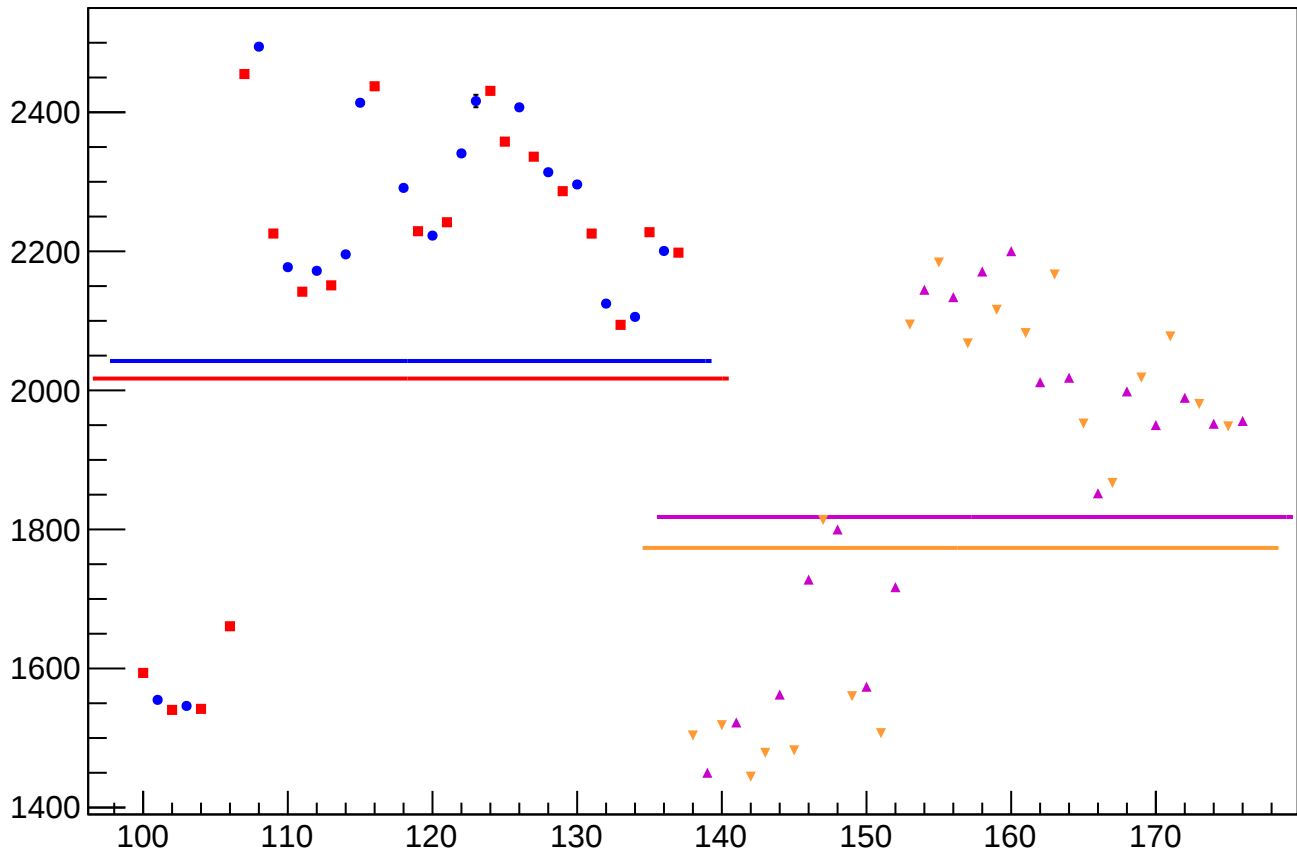
Left In: 5.982 ± 0.480 χ^2/NDF : 118.2/18

+ sign 6.043 ± 0.400 χ^2/NDF : 703.6/36

All: 4.235 ± 0.285 χ^2/NDF : 1485.5/74

- sign 2.373 ± 0.406 χ^2/NDF : 740.5/37

diff_bpm0l05Y_rms vs Slug



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

Left Out: 1773.420+/-0.327 χ^2/NDF : 681667.9/19

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

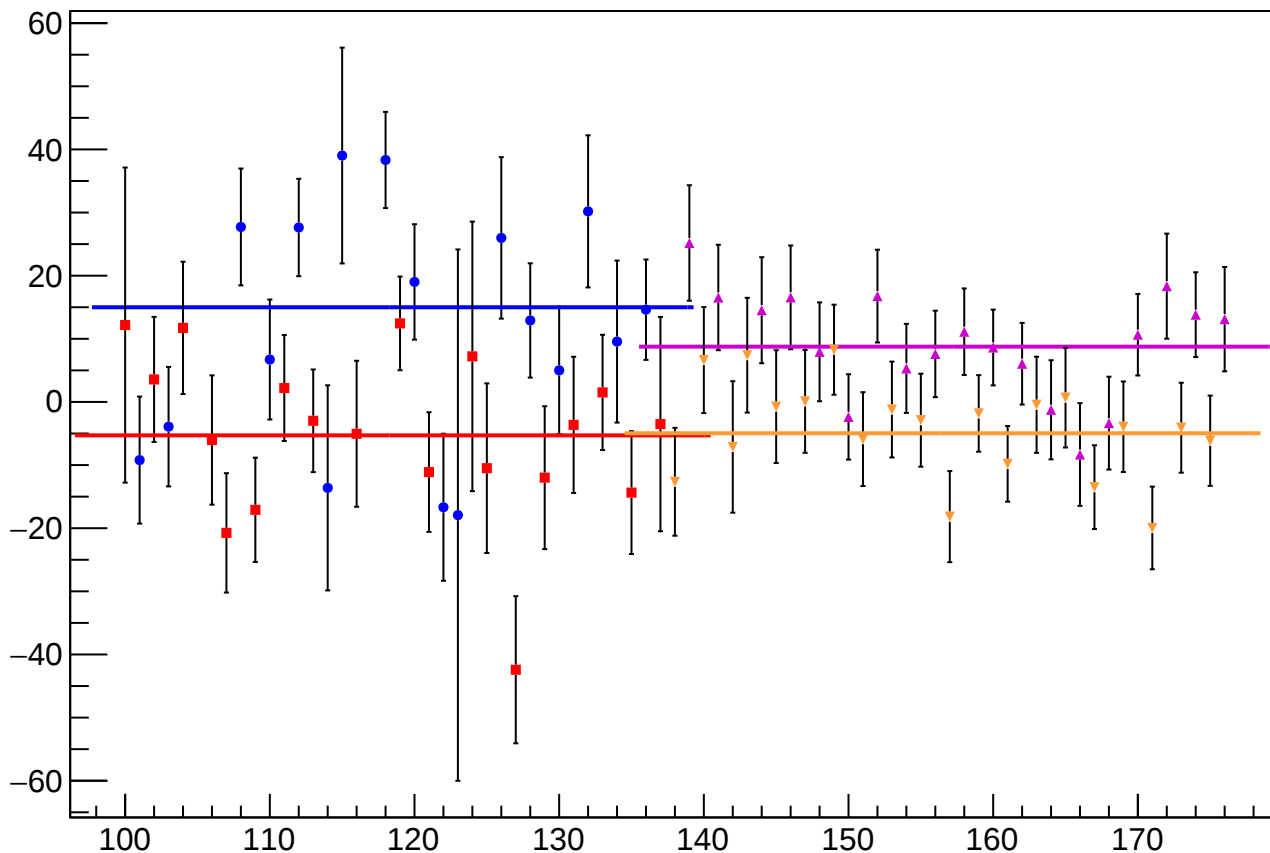
Left In: 1817.897+/-0.339 χ^2/NDF : 485002.9/18

+ sign 1841.309+/-0.283 χ^2/NDF : 1208665.2/36

All: 1857.470+/-0.202 χ^2/NDF : 2173227.6/74

- sign 1874.113+/-0.287 χ^2/NDF : 957949.4/37

diff_bpm0l06X_mean vs Slug



Right In: 14.997 ± 2.485 $\chi^2/\text{NDF}: 41.3/16$

Left Out: -4.960 ± 1.660 $\chi^2/\text{NDF}: 21.1/19$

Right Out: -5.291 ± 2.357 $\chi^2/\text{NDF}: 28.1/18$

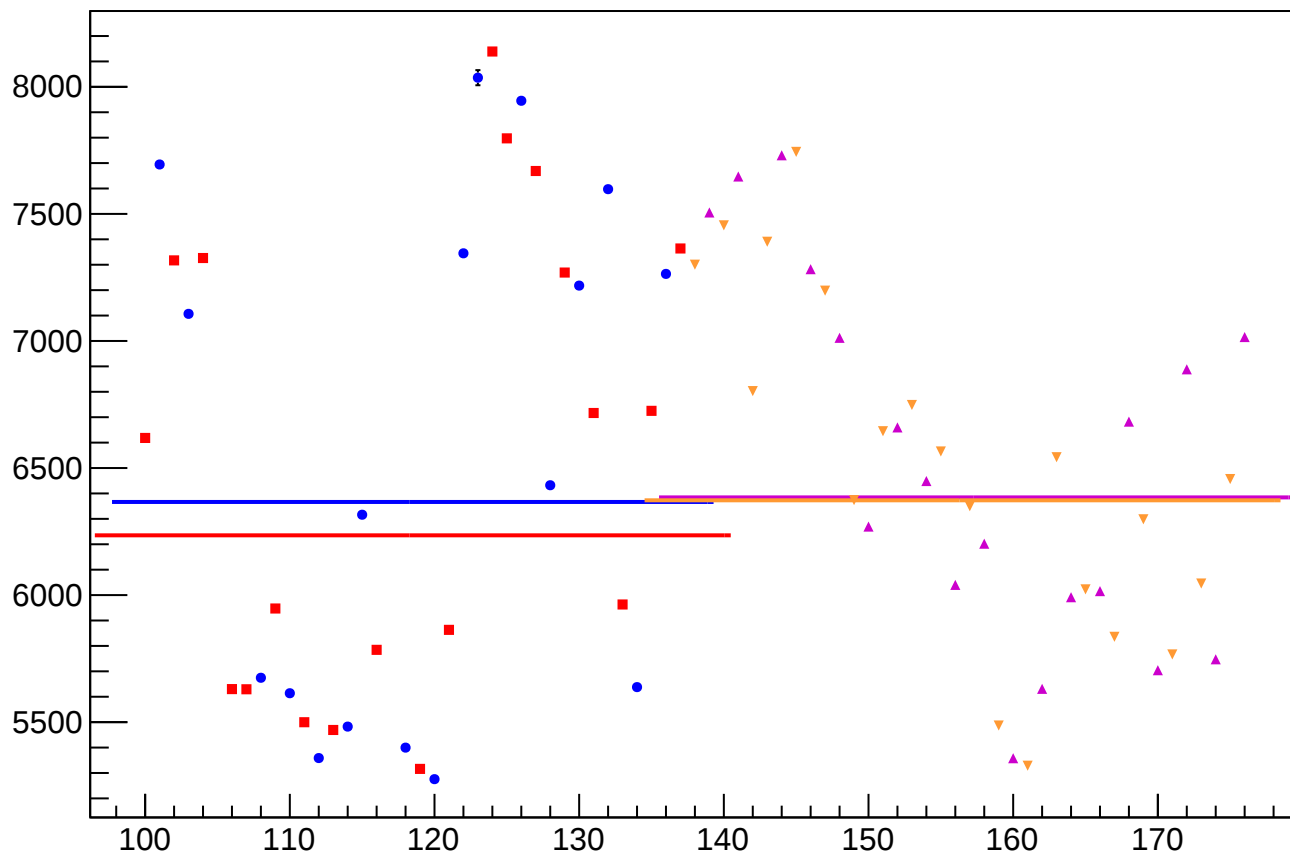
Left In: 8.759 ± 1.687 $\chi^2/\text{NDF}: 20.9/18$

+ sign 1.199 ± 1.381 $\chi^2/\text{NDF}: 107.0/36$

All: 2.609 ± 0.973 $\chi^2/\text{NDF}: 181.6/74$

- sign 4.000 ± 1.372 $\chi^2/\text{NDF}: 72.5/37$

diff_bpm0l06X_rms vs Slug



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

Left Out: 6372.982+/-1.174 χ^2/NDF : 305229.6/19

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

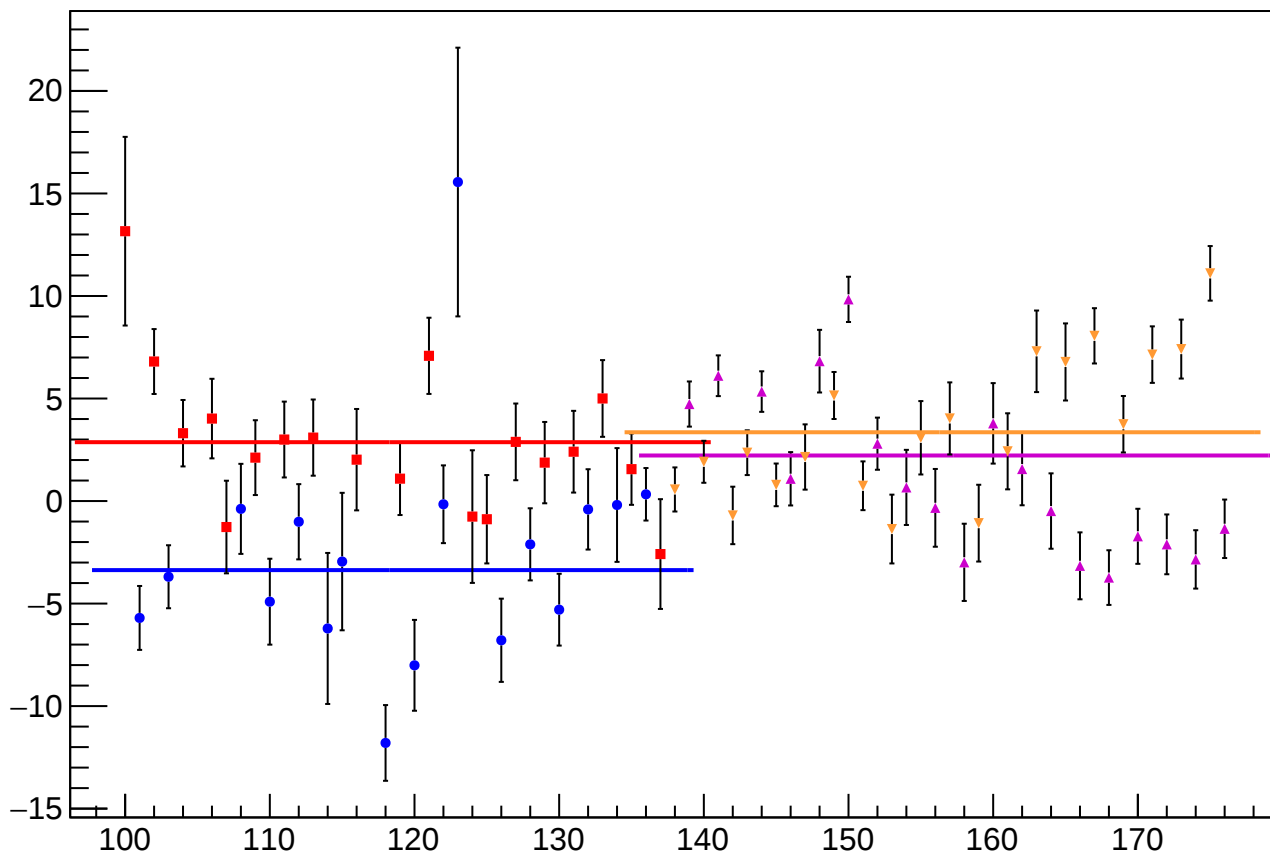
Left In: 6384.425+/-1.193 χ^2/NDF : 331064.7/18

+ sign 6370.979+/-0.976 χ^2/NDF : 591733.5/36

All: 6352.310+/-0.688 χ^2/NDF : 1172030.2/74

- sign 6333.876+/-0.970 χ^2/NDF : 579569.9/37

diff_bpm0l06Y_mean vs Slug



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

Left Out: 3.355 ± 0.306 χ^2/NDF : 114.7/19

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

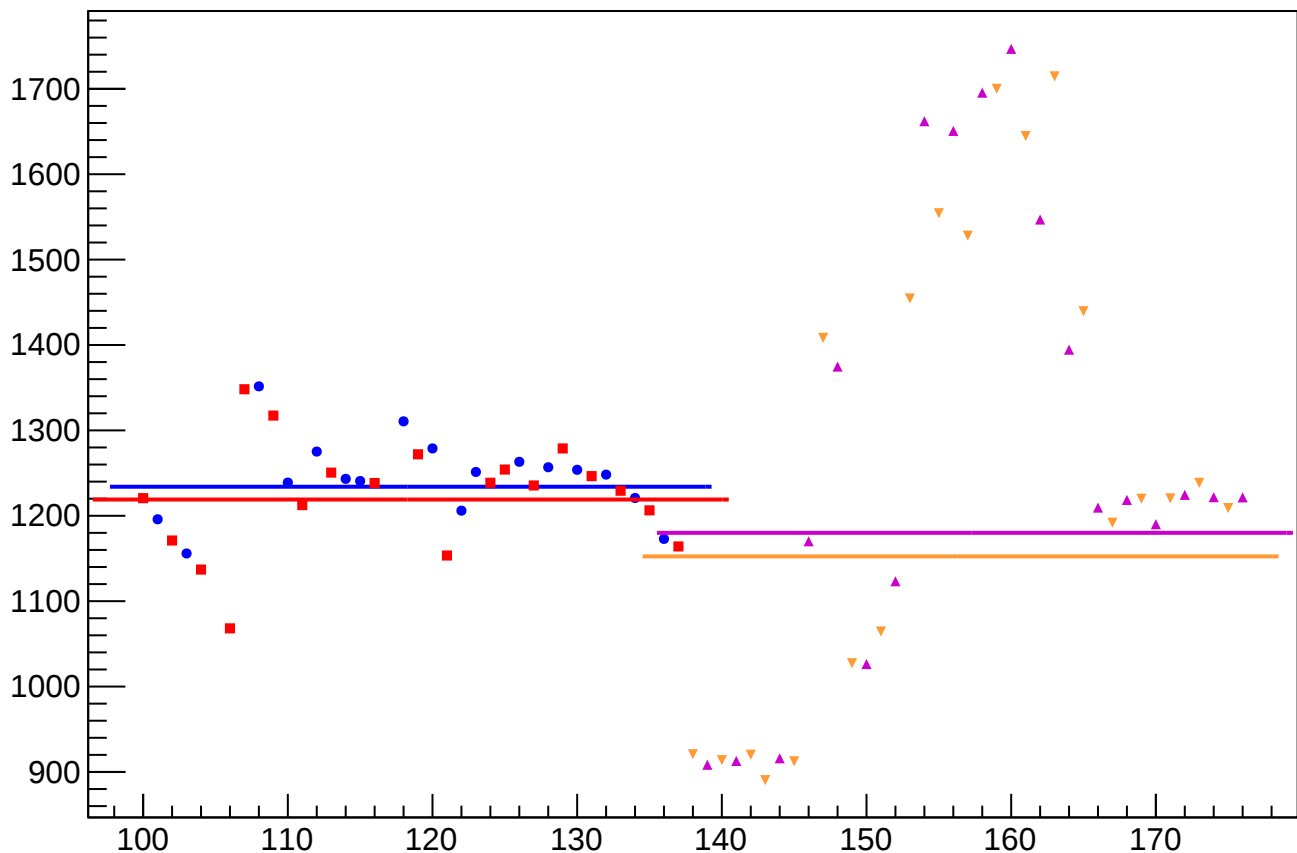
Left In: 2.222 ± 0.316 χ^2/NDF : 168.4/18

+ sign 1.390 ± 0.257 χ^2/NDF : 316.0/36

All: 1.905 ± 0.183 χ^2/NDF : 526.0/74

- sign 2.432 ± 0.260 χ^2/NDF : 201.9/37

diff_bpm0l06Y_rms vs Slug



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

Left Out: 1152.422 $\pm$ 0.216 χ^2 /NDF: 1361962.1/19

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

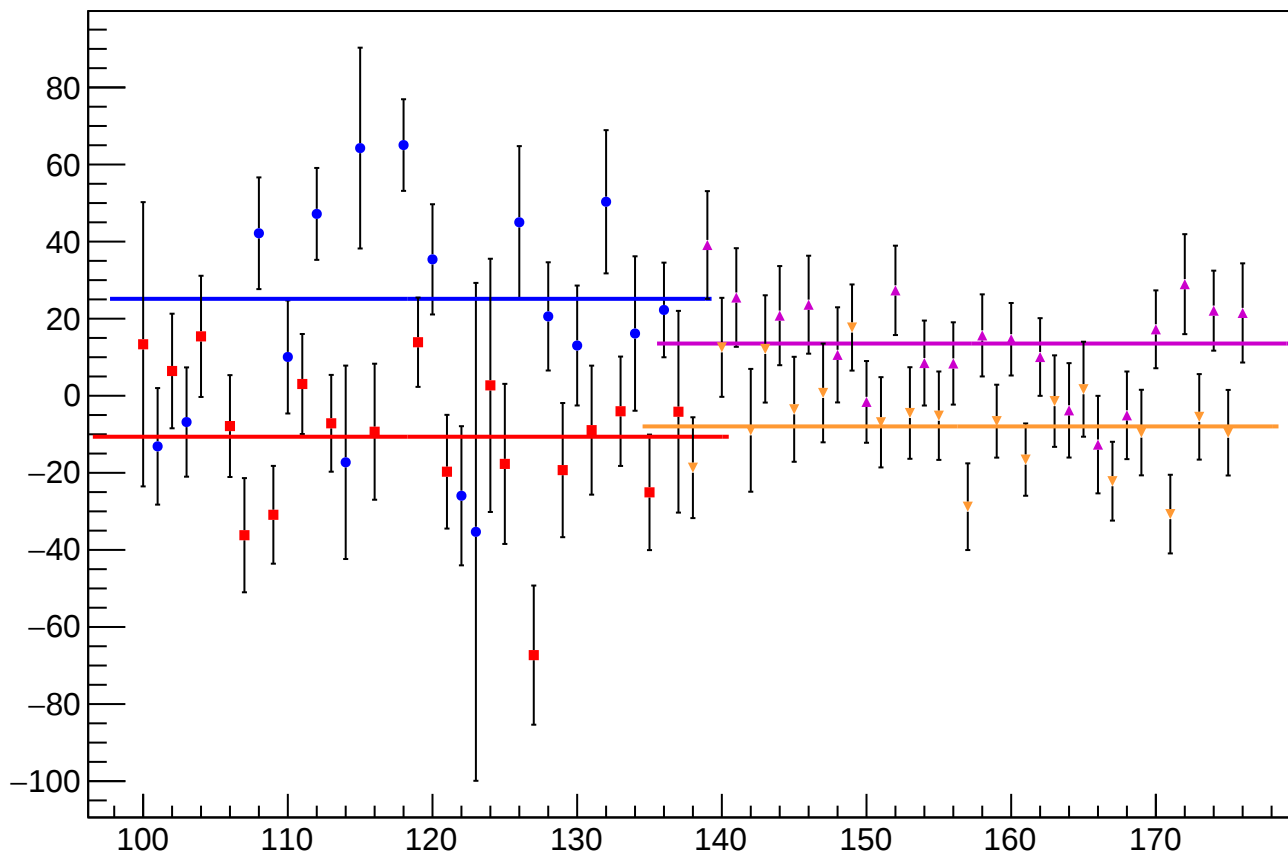
Left In: 1180.027 $\pm$ 0.224 χ^2 /NDF: 1183836.7/18

+ sign 1176.276 $\pm$ 0.182 χ^2 /NDF: 1427216.4/36

All: 1184.388 $\pm$ 0.129 χ^2 /NDF: 2665325.0/74

- sign 1192.679 $\pm$ 0.184 χ^2 /NDF: 1234082.0/37

diff_bpm0l07X_mean vs Slug



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

Left Out: -7.958 ± 2.581 $\chi^2/\text{NDF}: 23.5/19$

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

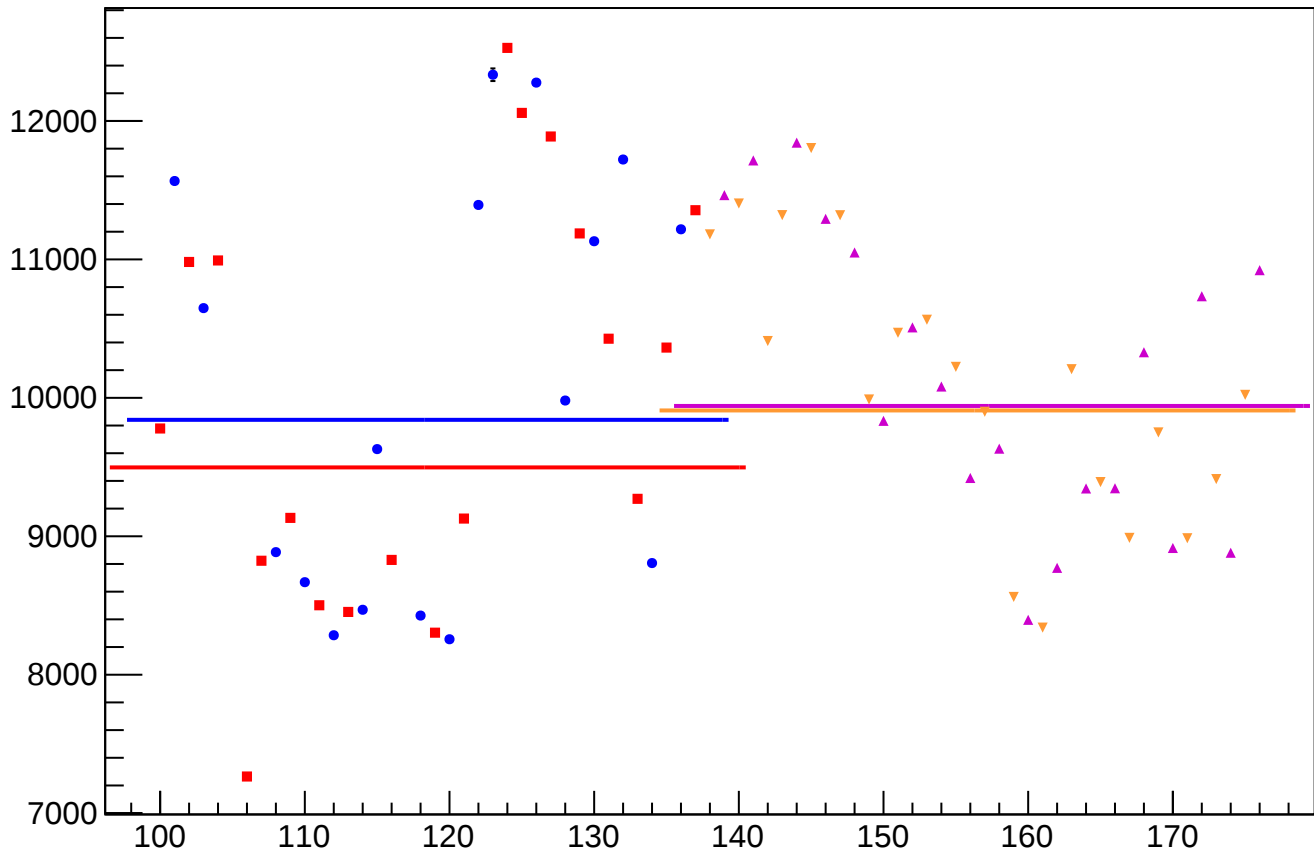
Left In: 13.548 ± 2.626 $\chi^2/\text{NDF}: 20.9/18$

+ sign 2.354 ± 2.142 $\chi^2/\text{NDF}: 121.7/36$

All: 3.758 ± 1.507 $\chi^2/\text{NDF}: 200.6/74$

- sign 5.134 ± 2.120 $\chi^2/\text{NDF}: 78.1/37$

diff_bpm0l07X_rms vs Slug



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

Left Out: 9908.988+/-1.825 χ^2/NDF : 282216.8/19

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

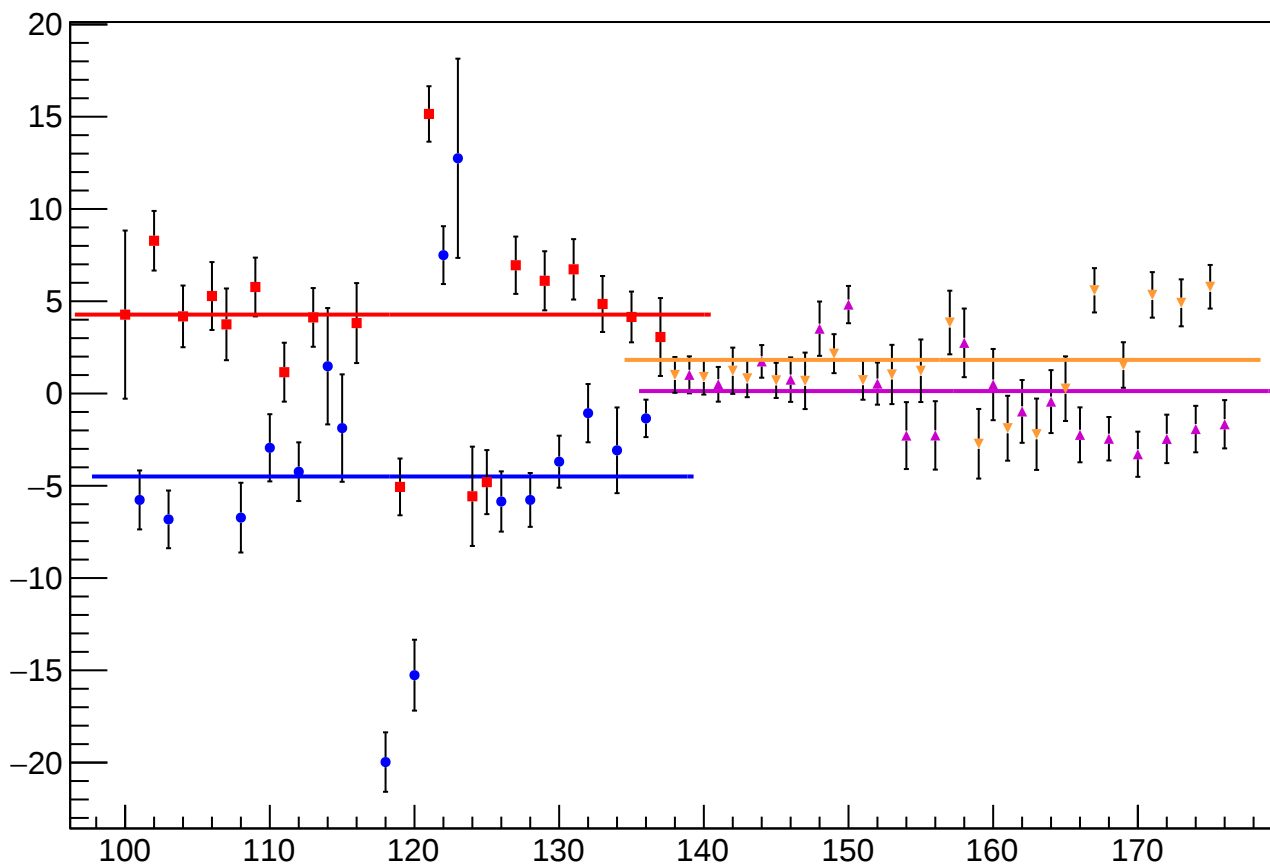
Left In: 9941.437+/-1.857 χ^2/NDF : 309338.7/18

+ sign 9887.866+/-1.514 χ^2/NDF : 542709.3/36

All: 9836.913+/-1.065 χ^2/NDF : 1150881.7/74

- sign 9786.969+/-1.499 χ^2/NDF : 605930.8/37

diff_bpm0l07Y_mean vs Slug



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

Left Out: 1.823 +/- 0.281 χ^2/NDF : 58.2/19

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

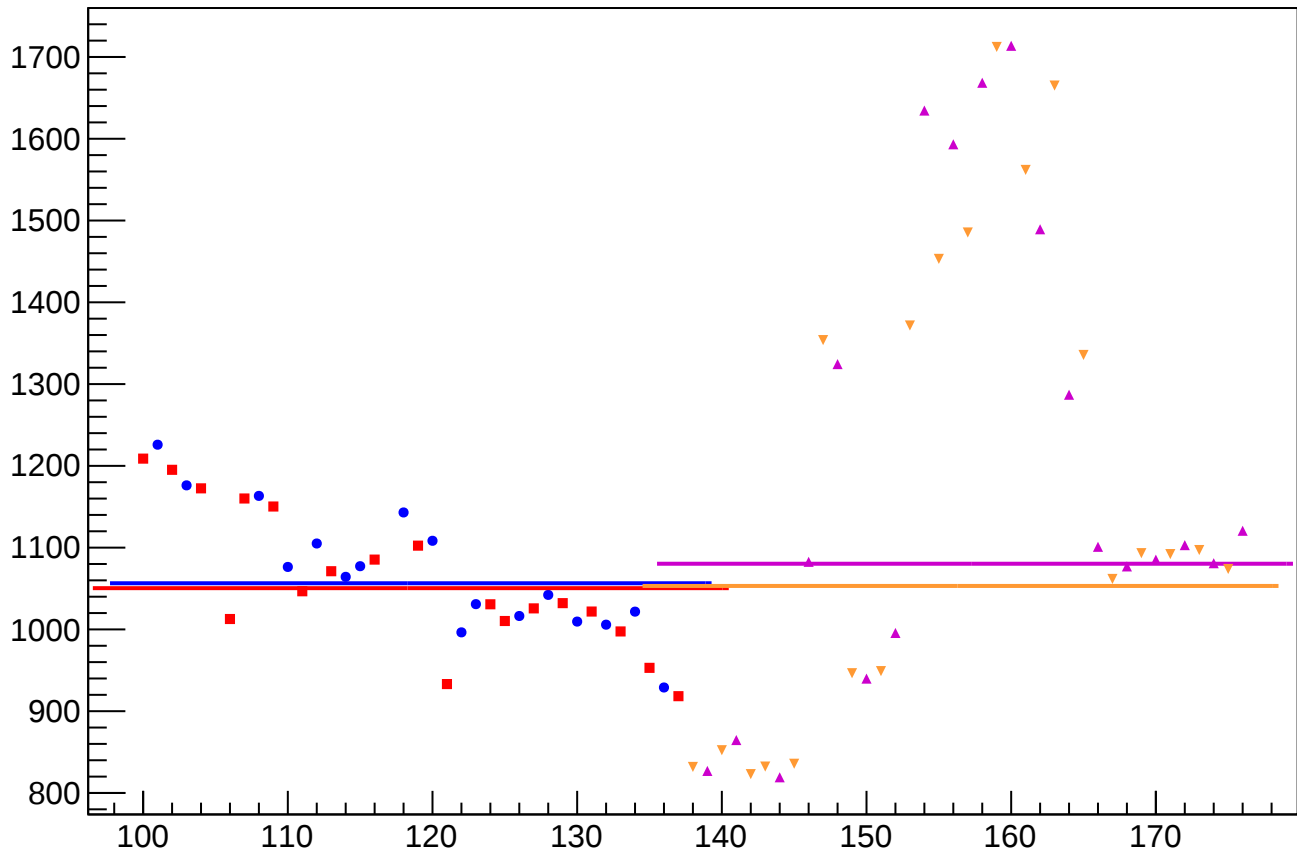
Left In: 0.133 +/- 0.291 χ^2/NDF : 61.0/18

+ sign -0.208 +/- 0.231 χ^2/NDF : 439.3/36

All: 0.684 +/- 0.165 χ^2/NDF : 750.2/74

- sign 1.599 +/- 0.234 χ^2/NDF : 280.8/37

diff_bpm0l07Y_rms vs Slug



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

Left Out: 1053.153 $\pm$ 0.199 χ^2 /NDF:1561216.5/19

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

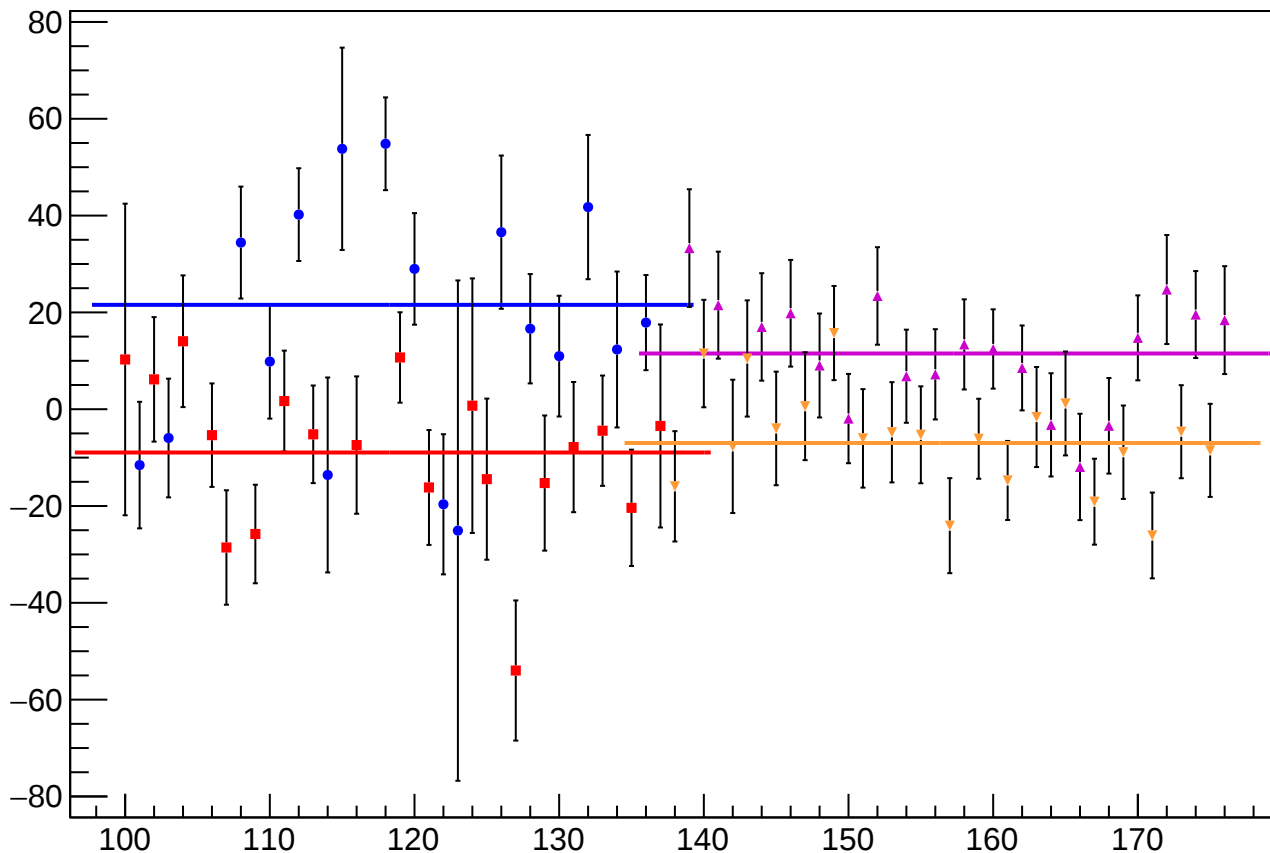
Left In: 1080.310 $\pm$ 0.206 χ^2 /NDF:1415134.9/18

+ sign 1054.208 $\pm$ 0.164 χ^2 /NDF: 1652077.3/36

All: 1061.879 $\pm$ 0.116 χ^2 /NDF: 3161493.1/74

- sign 1069.745 $\pm$ 0.166 χ^2 /NDF: 1504962.3/37

diff_bpm0l08X_mean vs Slug



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

Left Out: -6.980 $\pm$ 2.243 χ^2 /NDF:23.0/19

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

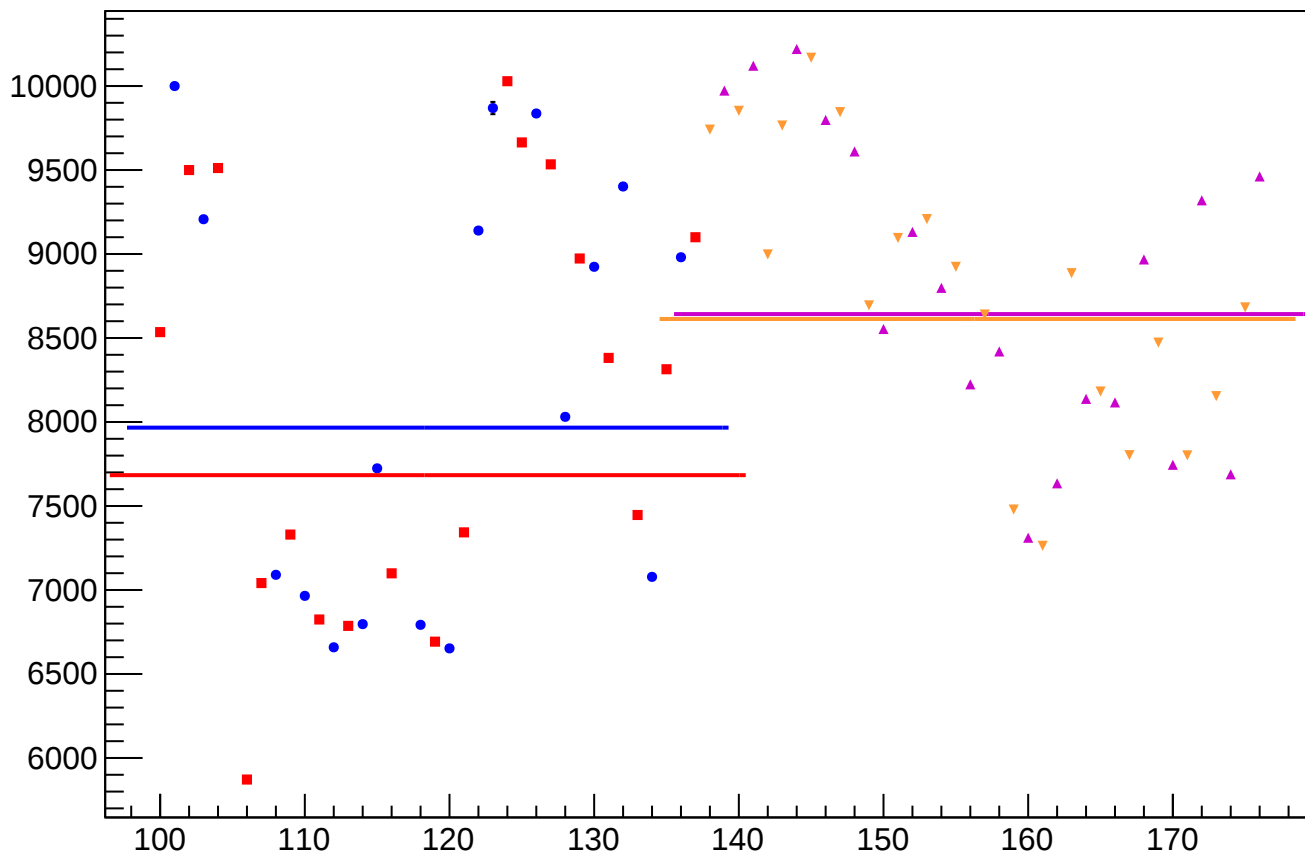
Left In: 11.513 $\pm$ 2.282 χ^2 /NDF:20.5/18

+ sign 2.785 $\pm$ 1.819 χ^2 /NDF: 126.8/36

All: 3.263 $\pm$ 1.278 χ^2 /NDF: 205.4/74

- sign 3.729 $\pm$ 1.796 χ^2 /NDF: 78.5/37

diff_bpm0l08X_rms vs Slug



Right In: 7966.405 $\pm$ 2.199 χ^2 /NDF: 296611.1/16

Left Out: 8613.215 $\pm$ 1.586 χ^2 /NDF: 272746.8/19

Right Out: 7683.479 $\pm$ 2.059 χ^2 /NDF: 315033.7/18

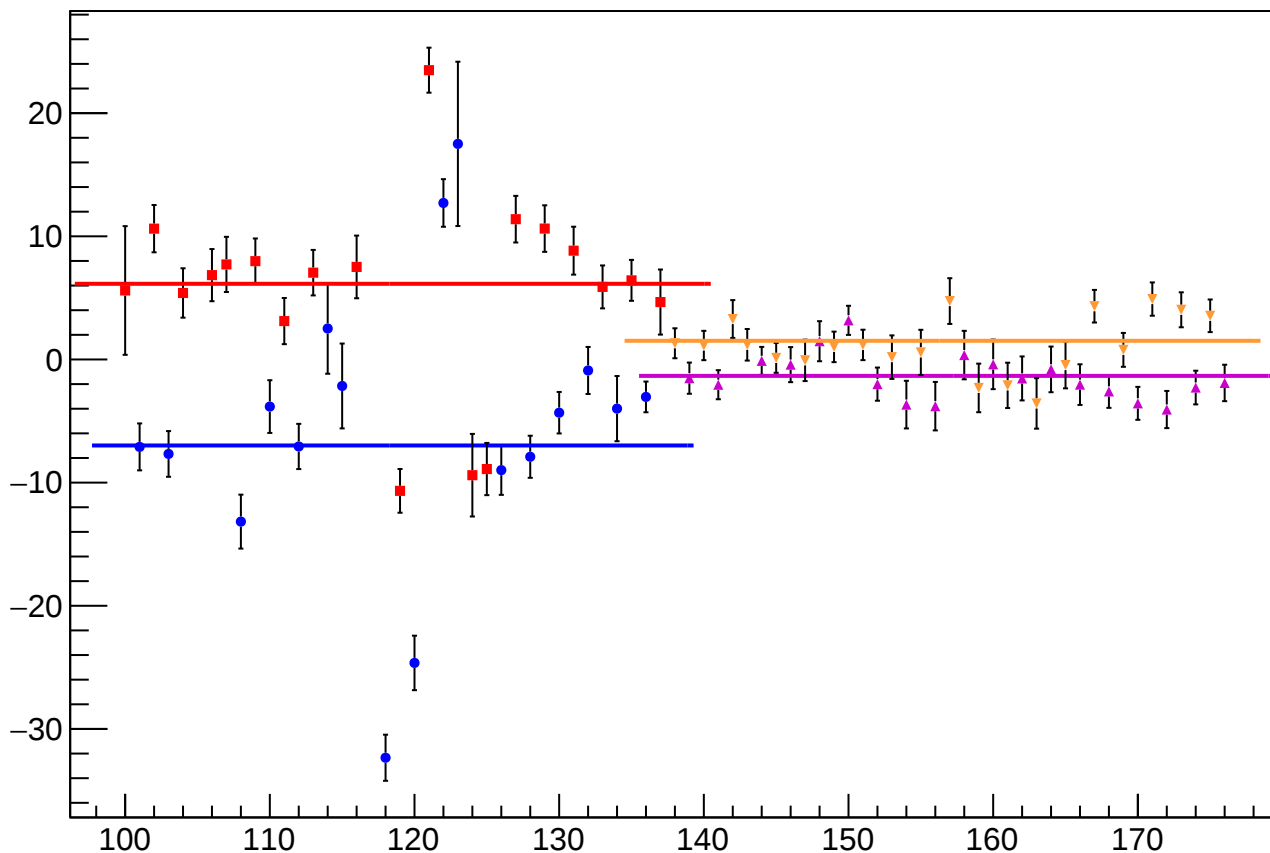
Left In: 8642.460 $\pm$ 1.614 χ^2 /NDF: 300941.8/18

+ sign 8391.919 $\pm$ 1.286 χ^2 /NDF: 626256.4/36

All: 8334.001 $\pm$ 0.904 χ^2 /NDF: 1380613.3/74

- sign 8277.543 $\pm$ 1.270 χ^2 /NDF: 750354.1/37

diff_bpm0l08Y_mean vs Slug



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

Left Out: 1.516 ± 0.325 χ^2/NDF : 39.2/19

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

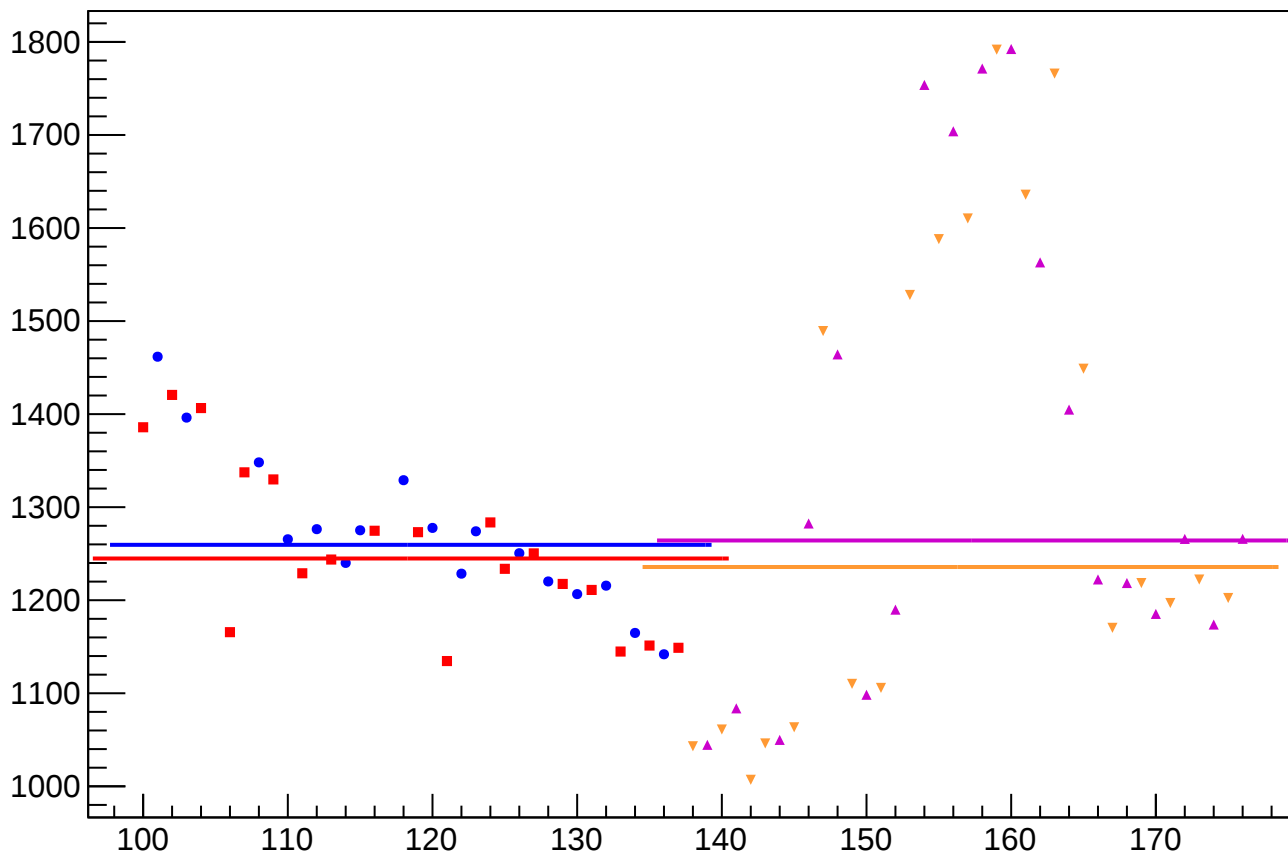
Left In: -1.332 ± 0.337 χ^2/NDF : 31.6/18

+ sign -1.114 ± 0.270 χ^2/NDF : 658.8/36

All: 0.046 ± 0.192 χ^2/NDF : 1173.9/74

- sign 1.229 ± 0.273 χ^2/NDF : 477.9/37

diff_bpm0l08Y_rms vs Slug



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

Left Out: 1235.701 $\pm$ 0.230 χ^2 /NDF: 940648.5/19

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

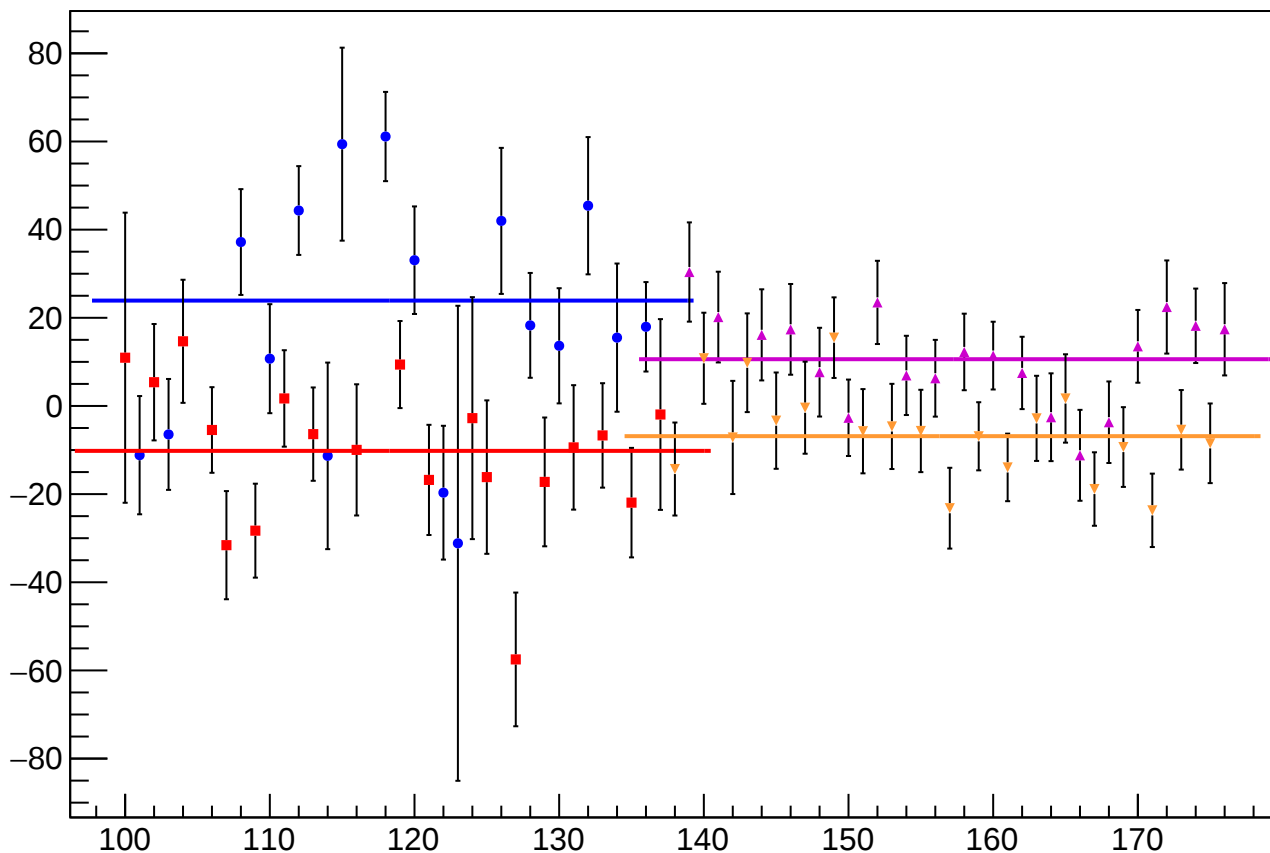
Left In: 1264.203 $\pm$ 0.238 χ^2 /NDF: 839442.3/18

+ sign 1243.074 $\pm$ 0.191 χ^2 /NDF: 1008811.0/36

All: 1250.250 $\pm$ 0.136 χ^2 /NDF: 1920188.4/74

- sign 1257.569 $\pm$ 0.193 χ^2 /NDF: 908532.9/37

diff_bpm0l09X_mean vs Slug



Right In: 23.904 $\pm$ 3.251 χ^2 /NDF: 52.4/16

Left Out: -6.852 $\pm$ 2.099 χ^2 /NDF:23.4/19

Right Out: -10.190 $\pm$ 3.006 χ^2 /NDF: 27.9/18

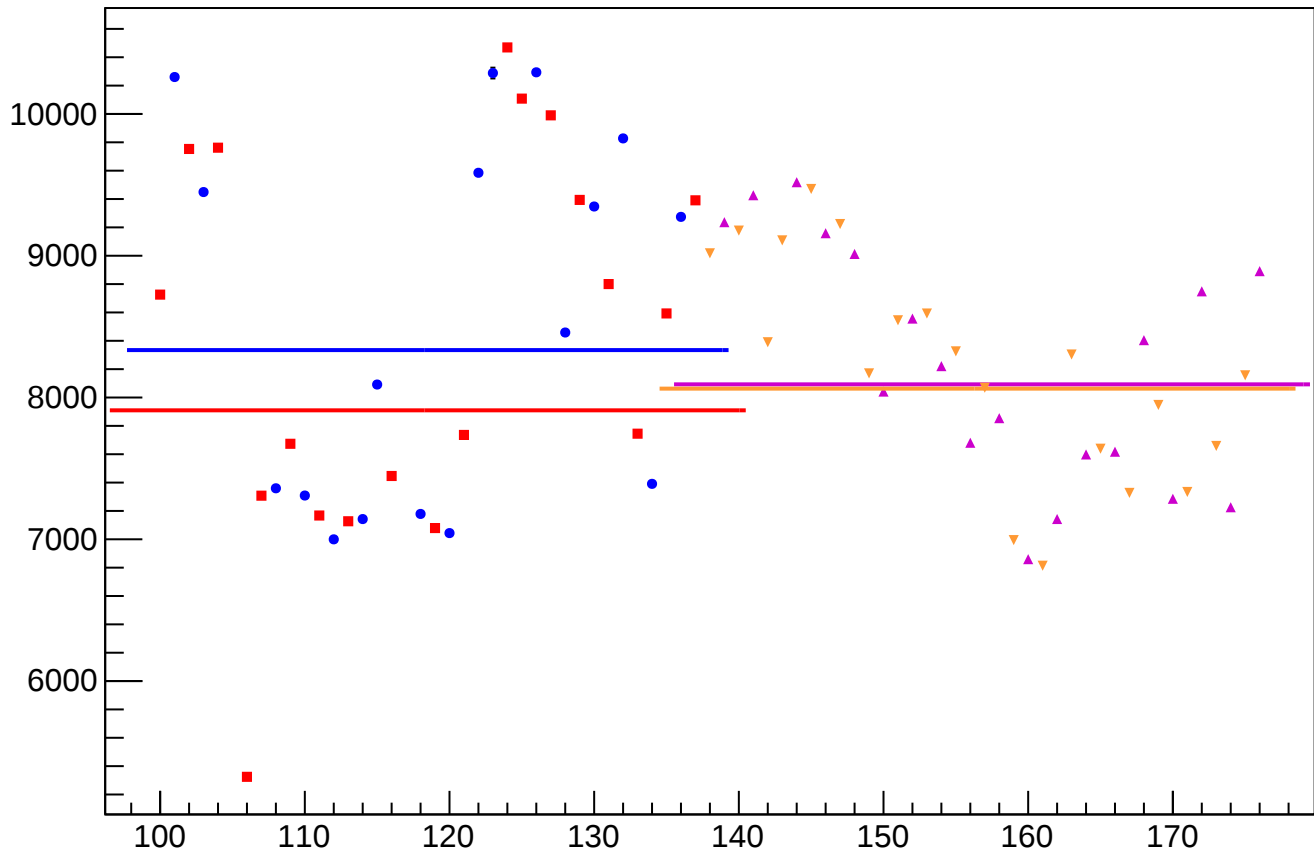
Left In: 10.605 $\pm$ 2.136 χ^2 /NDF:20.8/18

+ sign 2.200 $\pm$ 1.763 χ^2 /NDF: 139.0/36

All: 2.921 $\pm$ 1.239 χ^2 /NDF: 219.9/74

- sign 3.625 $\pm$ 1.741 χ^2 /NDF: 80.5/37

diff_bpm0l09X_rms vs Slug



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

Left Out: 8062.680+/-1.484 χ^2/NDF : 260937.7/19

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

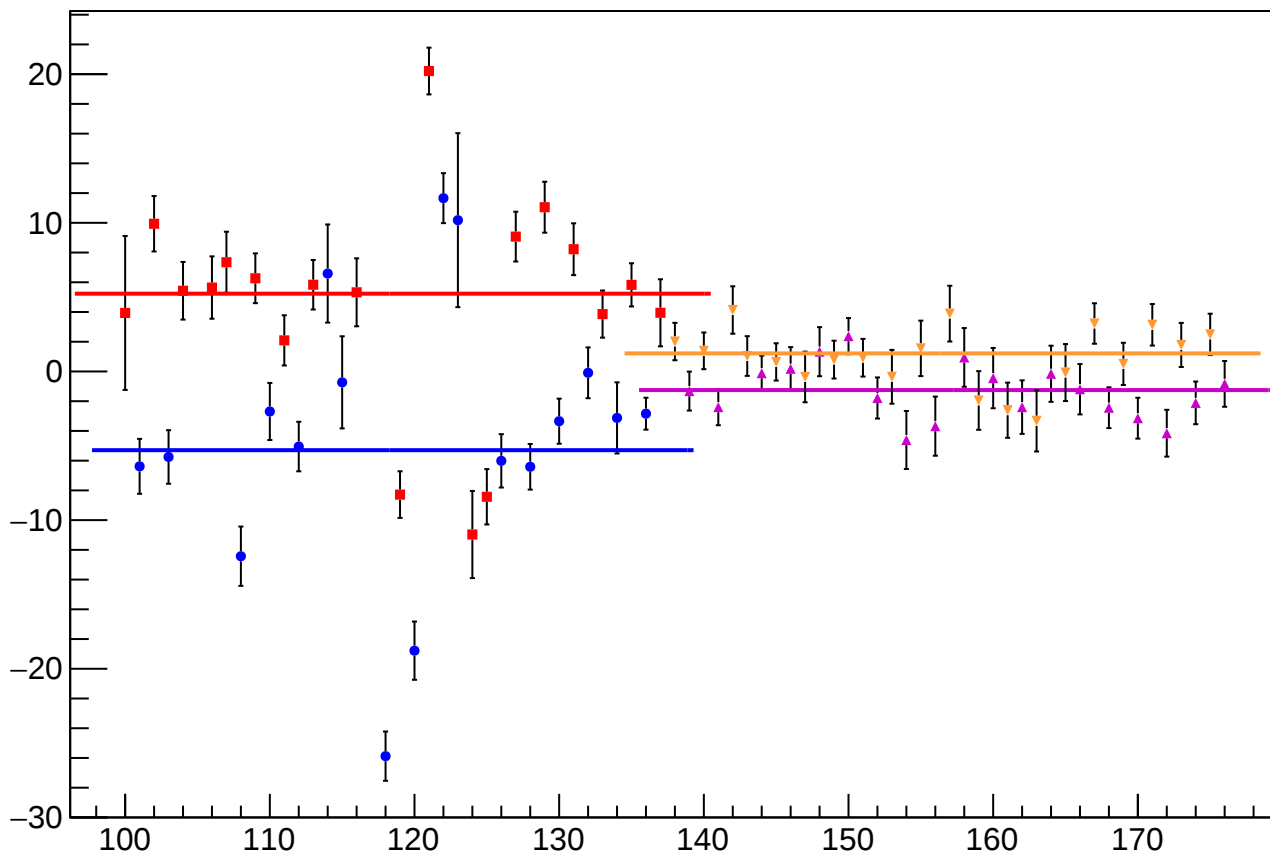
Left In: 8092.842+/-1.511 χ^2/NDF : 290959.6/18

+ sign 8142.677+/-1.247 χ^2/NDF : 543110.4/36

All: 8086.308+/-0.876 χ^2/NDF : 1233863.4/74

- sign 8031.338+/-1.231 χ^2/NDF : 686716.4/37

diff_bpm0l09Y_mean vs Slug



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

Left Out: 1.215+/-0.335 χ^2 /NDF:25.3/19

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

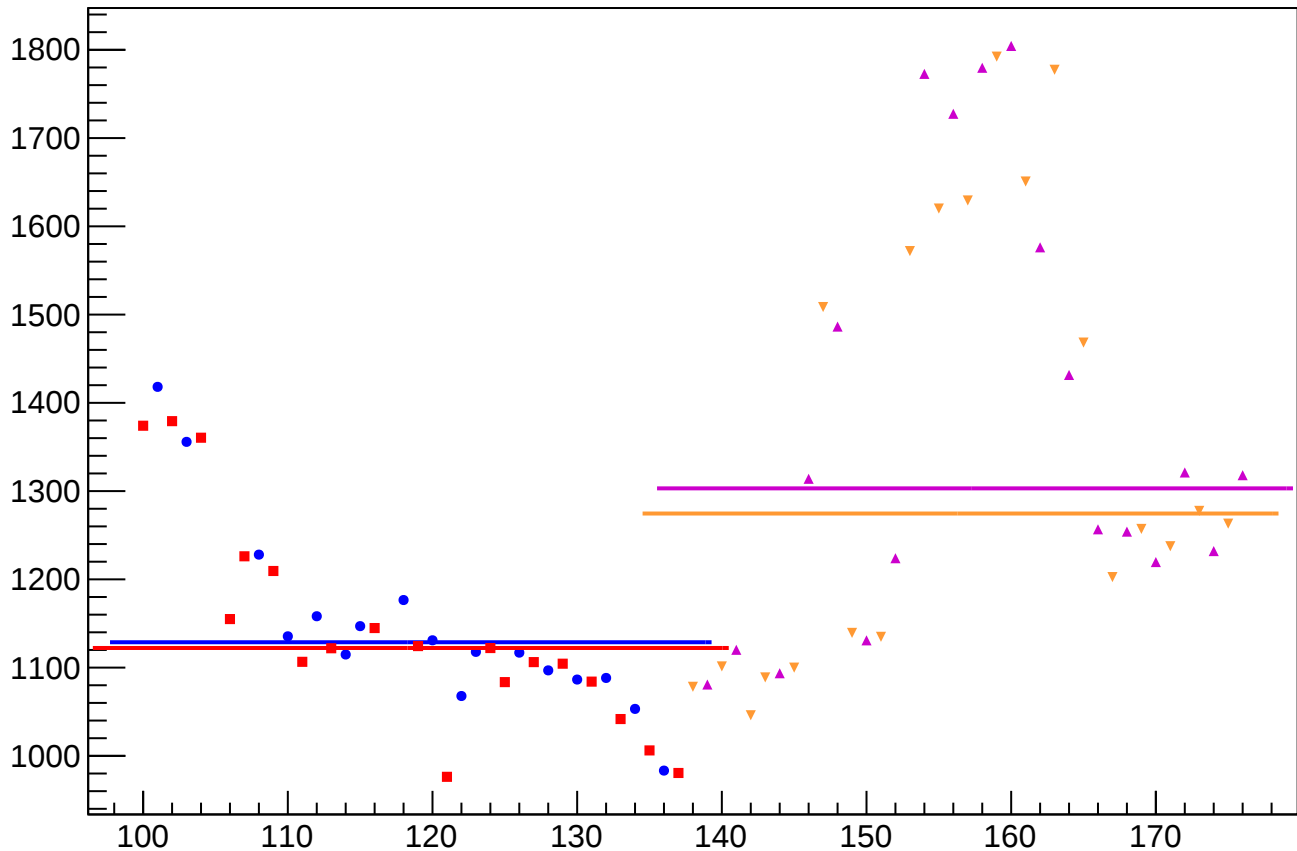
Left In: -1.252+/-0.346 χ^2 /NDF:27.3/18

+ sign -1.195+/-0.266 χ^2 /NDF: 523.3/36

All: 0.074+/-0.189 χ^2 /NDF: 1019.6/74

- sign 1.362+/-0.268 χ^2 /NDF: 450.4/37

diff_bpm0l09Y_rms vs Slug



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

Left Out: 1274.594 $\pm$ 0.237 χ^2 /NDF: 852039.3/19

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

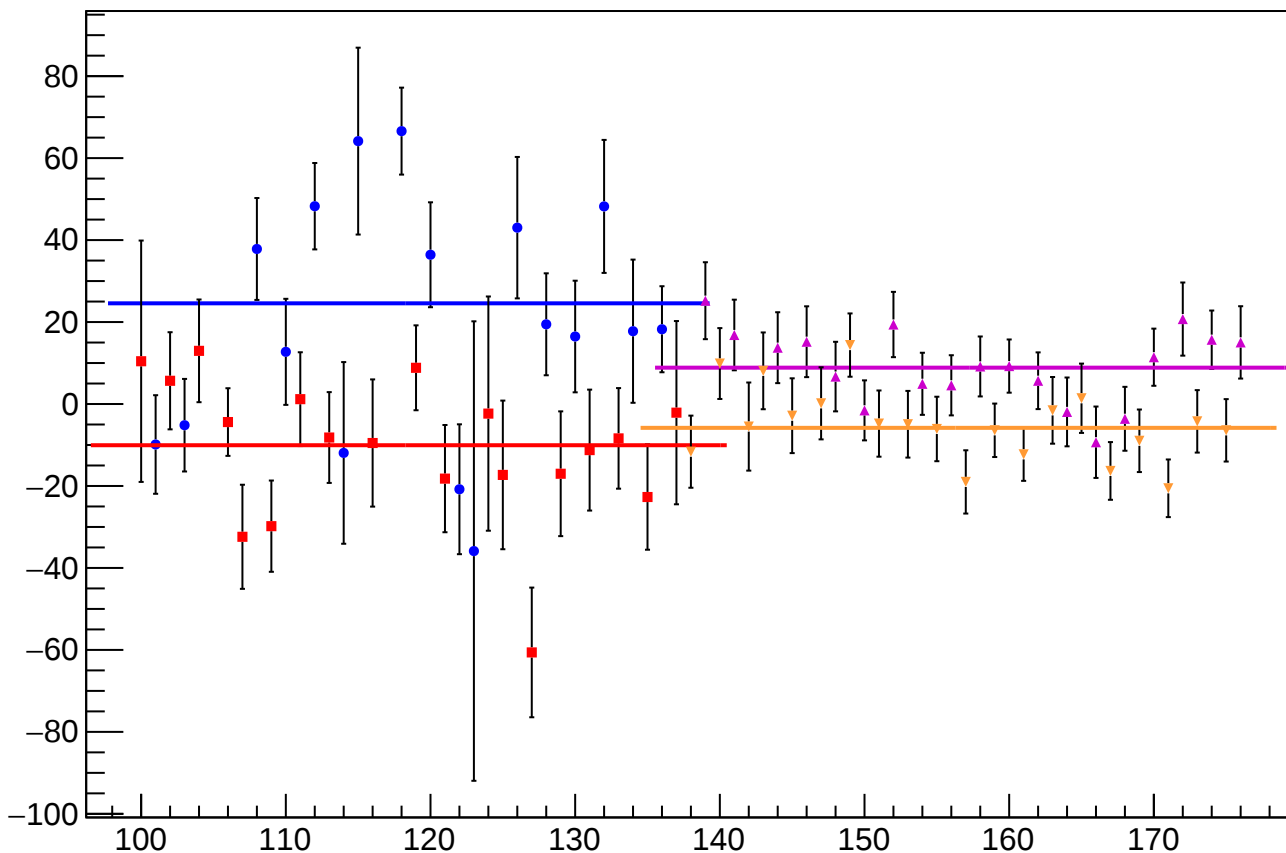
Left In: 1303.091 $\pm$ 0.245 χ^2 /NDF: 754450.2/18

+ sign 1220.595 $\pm$ 0.188 χ^2 /NDF: 1125549.0/36

All: 1225.363 $\pm$ 0.133 χ^2 /NDF: 2230537.6/74

- sign 1230.199 $\pm$ 0.189 χ^2 /NDF: 1103692.5/37

diff_bpm0l10X_mean vs Slug



Right In: 24.569 ± 3.318 $\chi^2/\text{NDF}: 58.1/16$

Left Out: -5.815 ± 1.768 $\chi^2/\text{NDF}: 25.2/19$

Right Out: -10.057 ± 3.008 $\chi^2/\text{NDF}: 28.8/18$

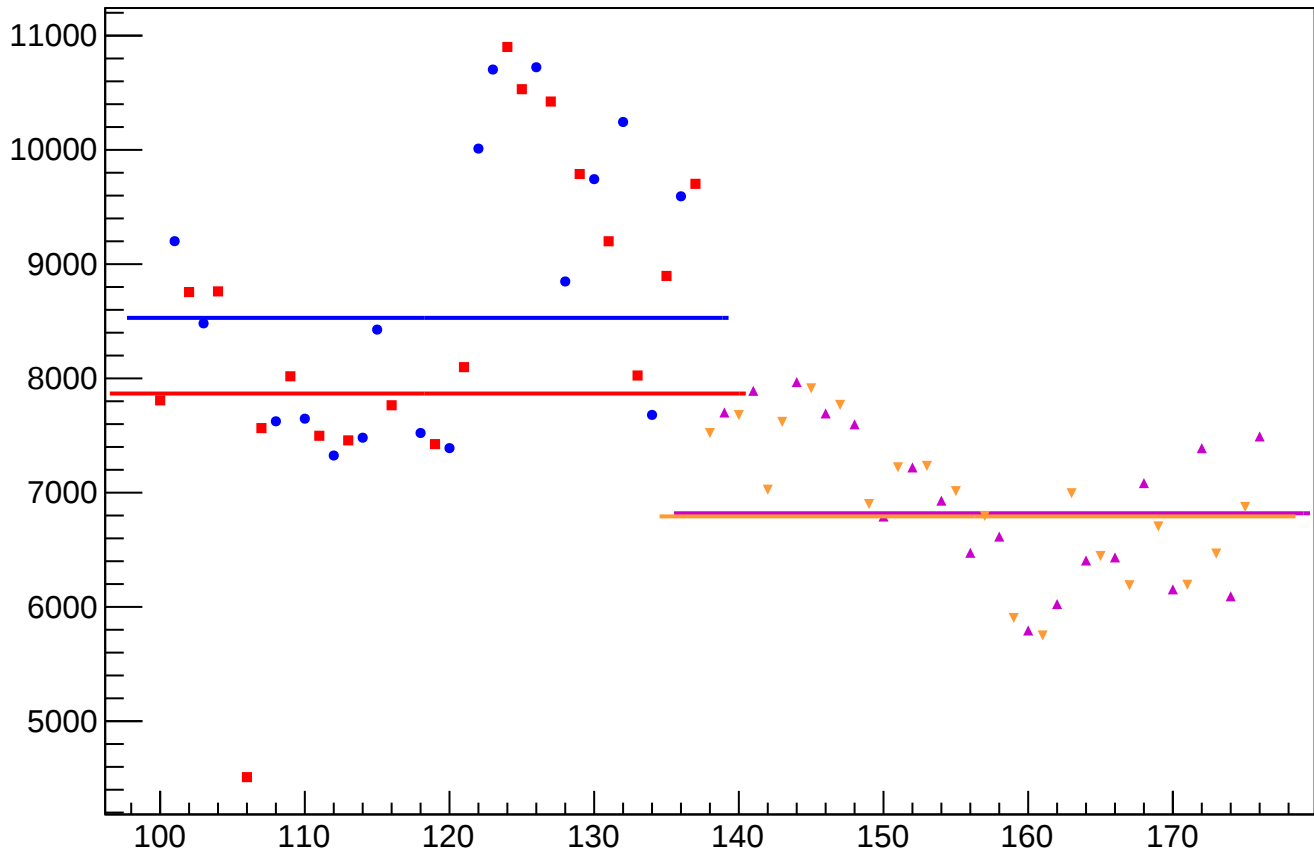
Left In: 8.869 ± 1.800 $\chi^2/\text{NDF}: 21.3/18$

+ sign 0.902 ± 1.560 $\chi^2/\text{NDF}: 148.6/36$

All: 2.405 ± 1.098 $\chi^2/\text{NDF}: 229.7/74$

- sign 3.879 ± 1.544 $\chi^2/\text{NDF}: 79.3/37$

diff_bpm0l10X_rms vs Slug



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

Left Out: 6792.194+/-1.250 χ^2/NDF : 246624.2/19

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

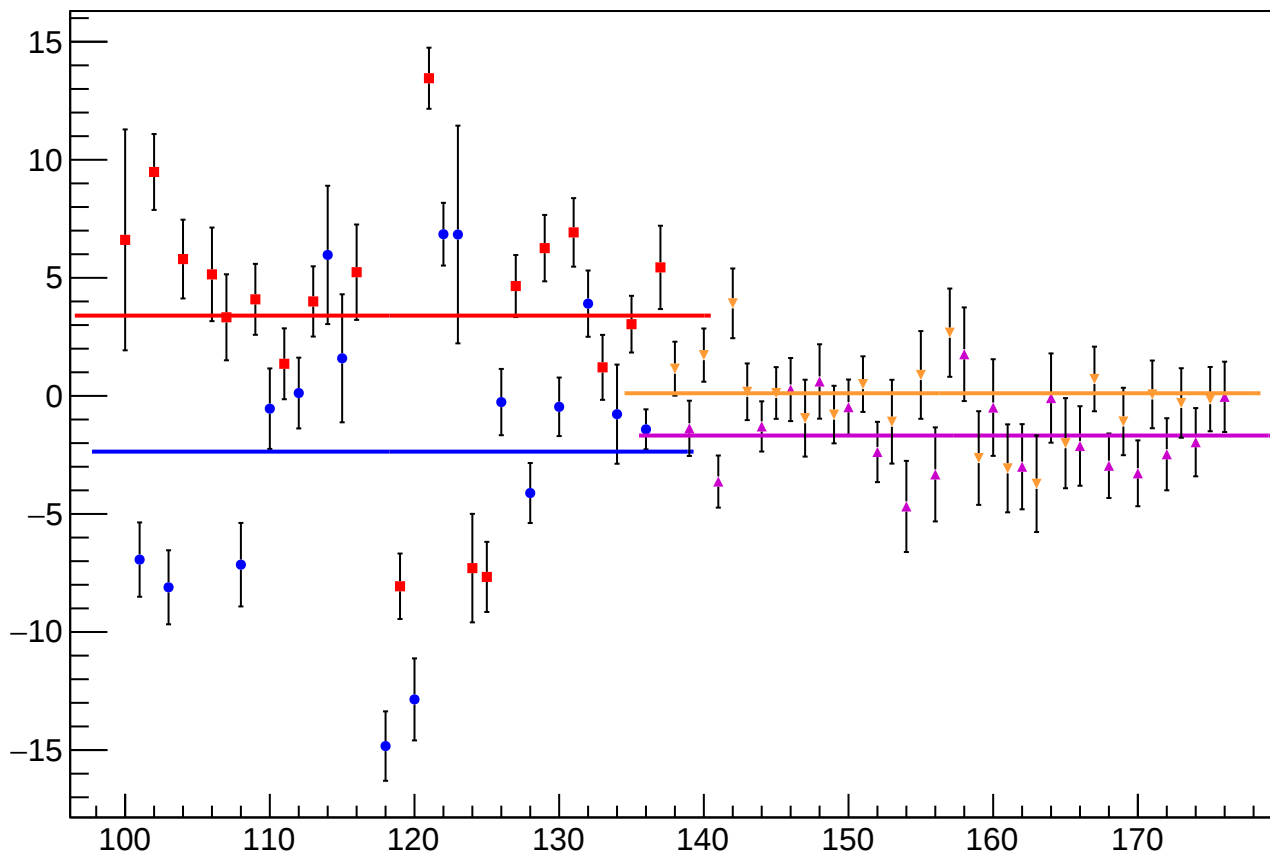
Left In: 6819.675+/-1.273 χ^2/NDF : 278892.8/18

+ sign 7176.320+/-1.103 χ^2/NDF : 882125.6/36

All: 7135.747+/-0.776 χ^2/NDF : 1898305.3/74

- sign 7095.991+/-1.092 χ^2/NDF : 1013501.9/37

diff_bpm0l10Y_mean vs Slug



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

Left Out: 0.112 ± 0.320 χ^2/NDF : 23.7/19

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

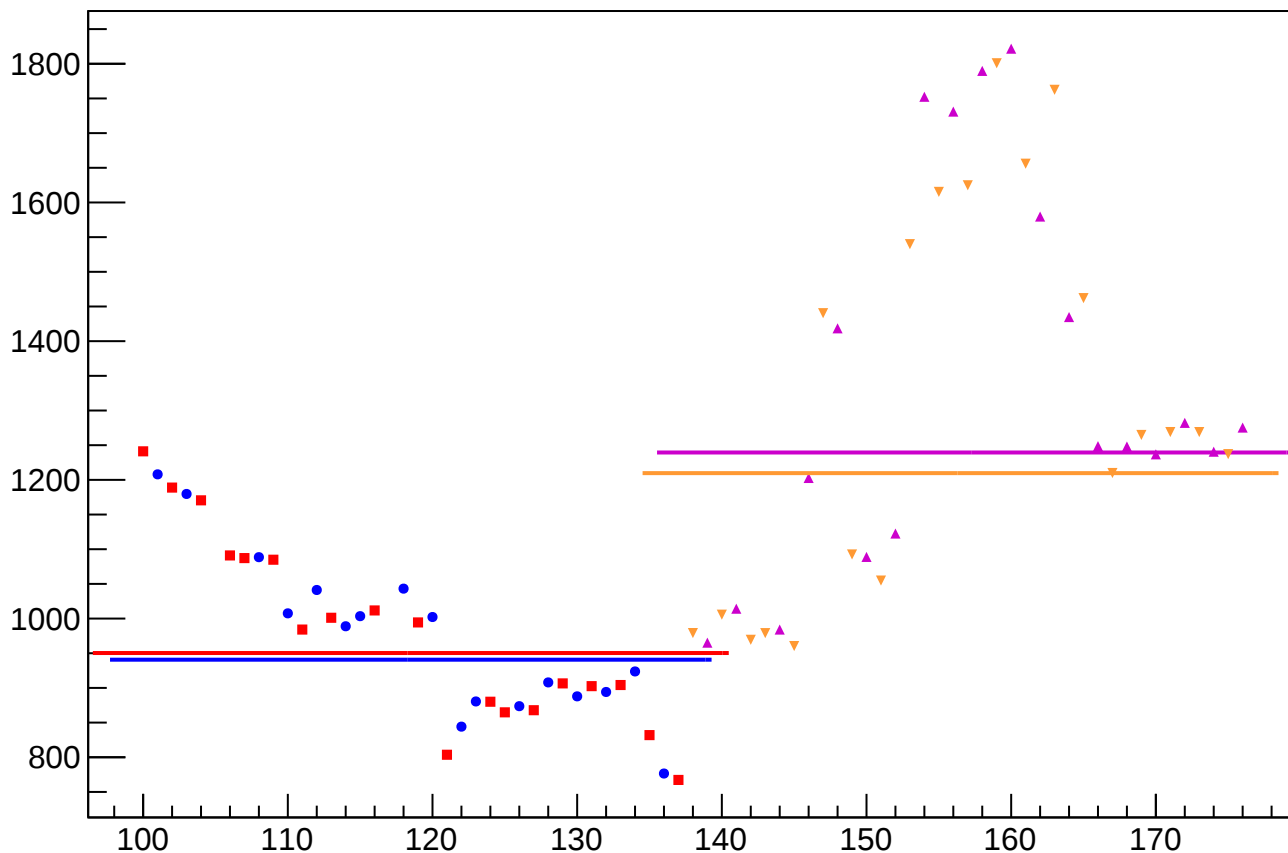
Left In: -1.679 ± 0.331 χ^2/NDF : 20.4/18

+ sign -0.960 ± 0.241 χ^2/NDF : 281.6/36

All: -0.157 ± 0.171 χ^2/NDF : 674.3/74

- sign 0.664 ± 0.243 χ^2/NDF : 370.2/37

diff_bpm0l10Y_rms vs Slug



Right In: 940.683 $\pm$ 0.258 χ^2 /NDF: 241768.4/16

Left Out: 1209.716 $\pm$ 0.226 χ^2 /NDF: 1217989.6/19

Right Out: 950.316 $\pm$ 0.253 χ^2 /NDF: 220678.1/18

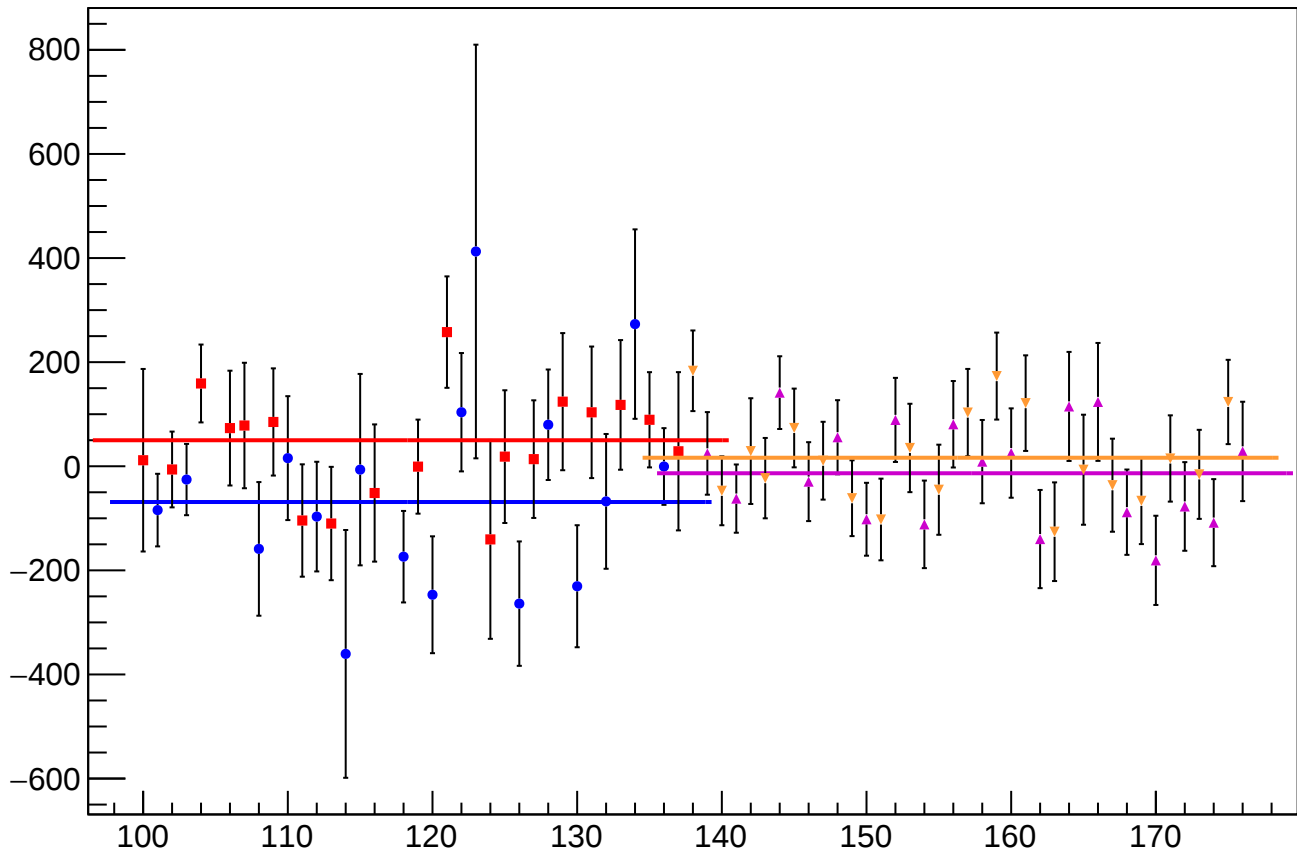
Left In: 1239.475 $\pm$ 0.234 χ^2 /NDF: 1060017.0/18

+ sign 1093.047 $\pm$ 0.170 χ^2 /NDF: 2073277.3/36

All: 1099.504 $\pm$ 0.121 χ^2 /NDF: 4059056.9/74

- sign 1106.099 $\pm$ 0.172 χ^2 /NDF: 1982870.6/37

diff_bpm0r03X_mean vs Slug



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

Left Out: 16.368 ± 18.424 χ^2/NDF : 21.8/19

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

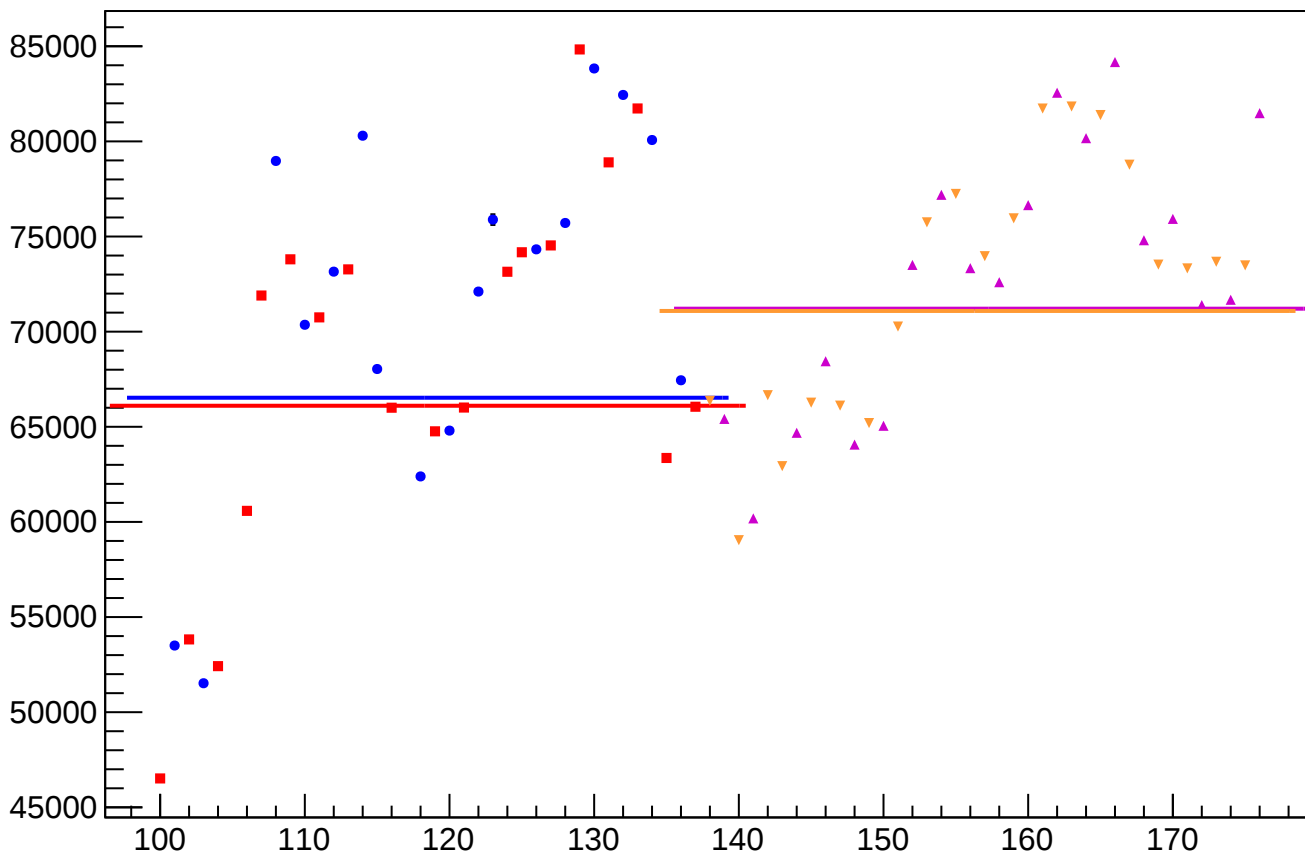
Left In: -13.444 ± 18.699 χ^2/NDF : 24.3/18

+ sign -12.144 ± 15.022 χ^2/NDF : 50.7/36

All: -1.402 ± 10.607 χ^2/NDF : 94.2/74

- sign 9.278 ± 14.978 χ^2/NDF : 42.4/37

diff_bpm0r03X_rms vs Slug



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

Left Out: 71087.911+/-13.028 χ^2/NDF : 248415.5/19

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

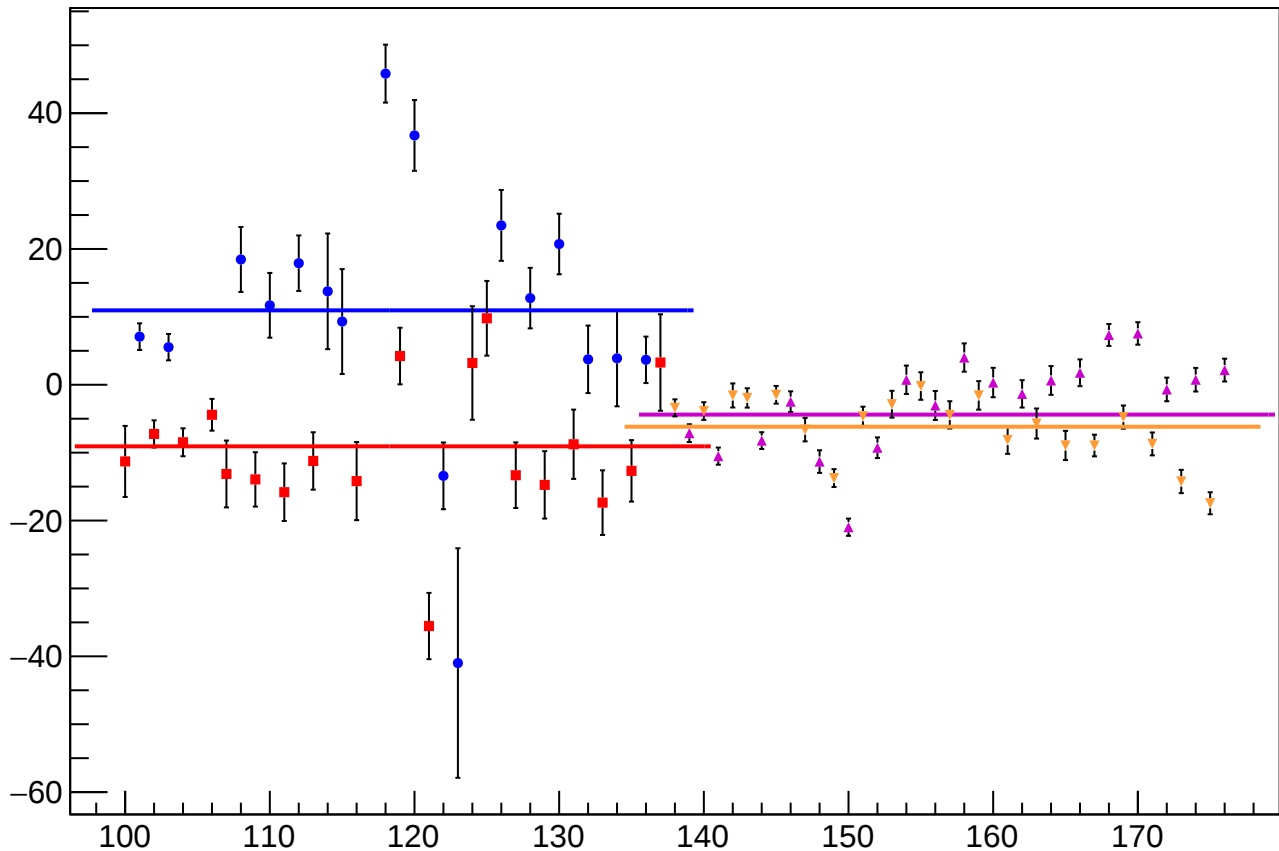
Left In: 71207.228+/-13.222 χ^2/NDF : 247496.5/18

+ sign 69559.115+/-10.622 χ^2/NDF : 610382.6/36

All: 69468.789+/-7.500 χ^2/NDF : 1209857.2/7

- sign 69378.992+/-10.591 χ^2/NDF : 599330.4/37

diff_bpm0r03Y_mean vs Slug



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

Left Out: -6.180 ± 0.366 χ^2/NDF : 167.1/19

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

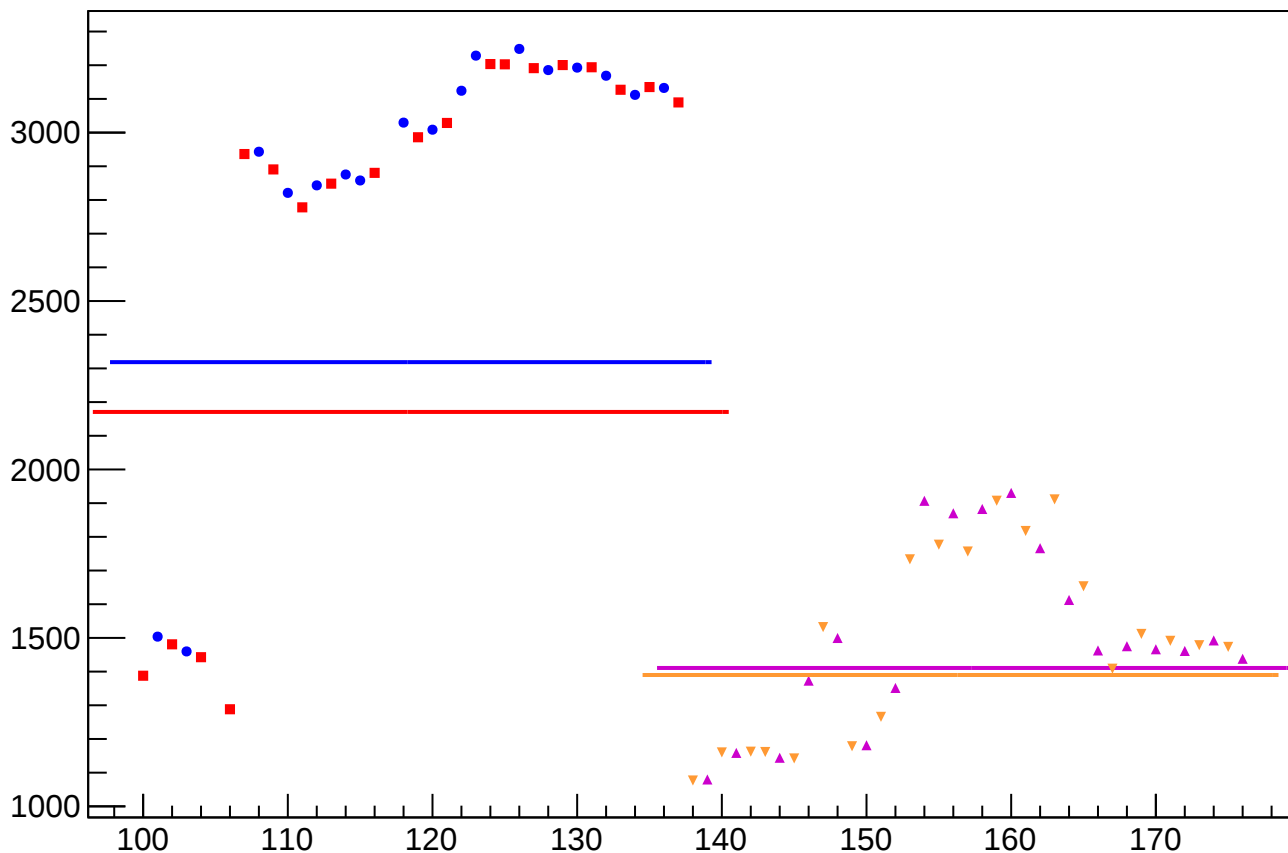
Left In: -4.396 ± 0.376 χ^2/NDF : 415.5/18

+ sign -3.941 ± 0.341 χ^2/NDF : 615.1/36

All: -4.532 ± 0.242 χ^2/NDF : 1134.3/74

- sign -5.135 ± 0.345 χ^2/NDF : 513.1/37

diff_bpm0r03Y_rms vs Slug



Right In: 2318.624 $\pm$ 0.667 χ^2 /NDF: 1408300.4/16

Left Out: 1389.923 $\pm$ 0.259 χ^2 /NDF: 1002002.0/19

Right Out: 2170.786 $\pm$ 0.613 χ^2 /NDF: 1753687.8/18

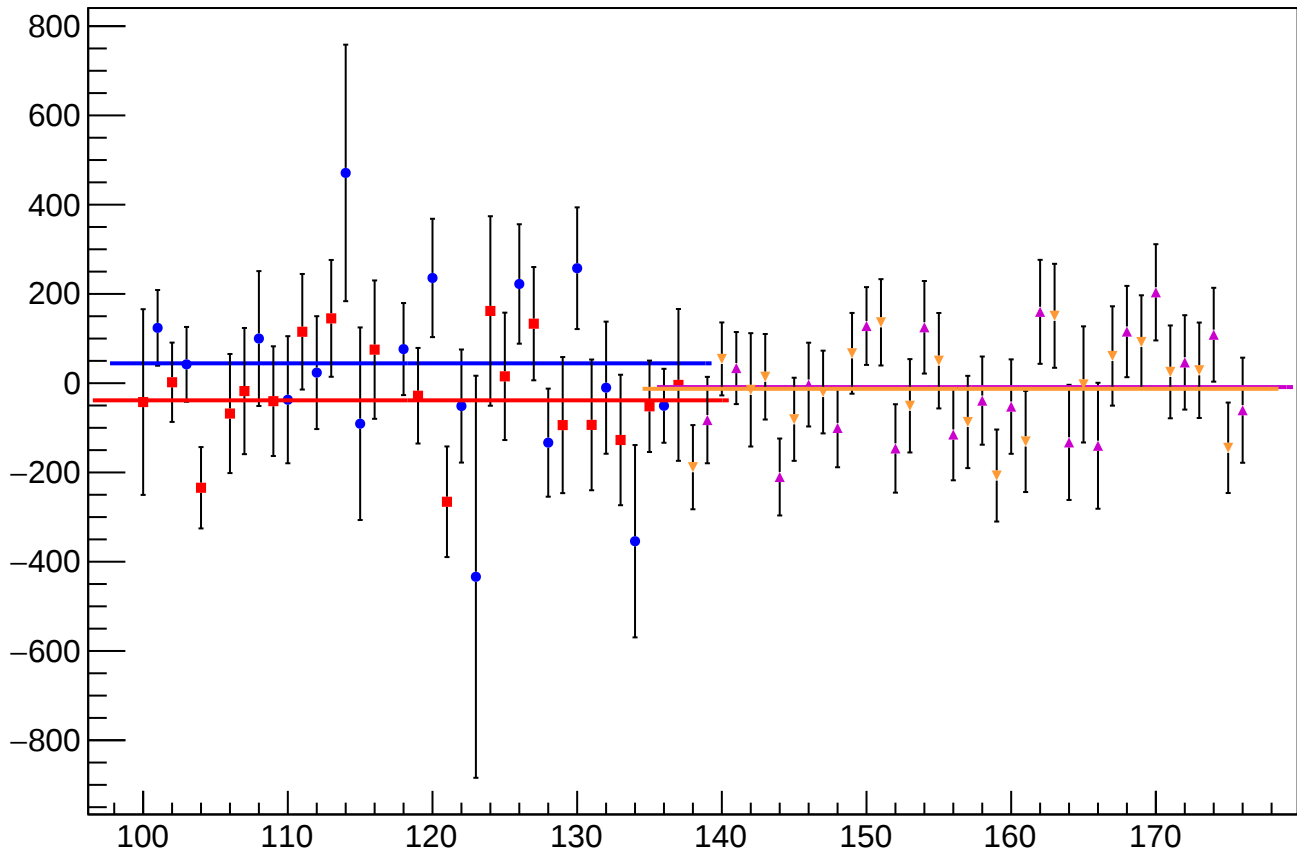
Left In: 1410.789 $\pm$ 0.266 χ^2 /NDF: 892276.2/18

+ sign 1511.255 $\pm$ 0.241 χ^2 /NDF: 4096025.0/36

All: 1521.017 $\pm$ 0.171 χ^2 /NDF: 8041010.2/74

- sign 1530.987 $\pm$ 0.244 χ^2 /NDF: 3941670.4/37

diff_bpm0r05X_mean vs Slug



Right In: 44.484 ± 30.432 χ^2/NDF : 19.1/16

Left Out: -12.589 ± 22.820 χ^2/NDF : 18.9/19

Right Out: -38.425 ± 29.435 χ^2/NDF : 15.7/18

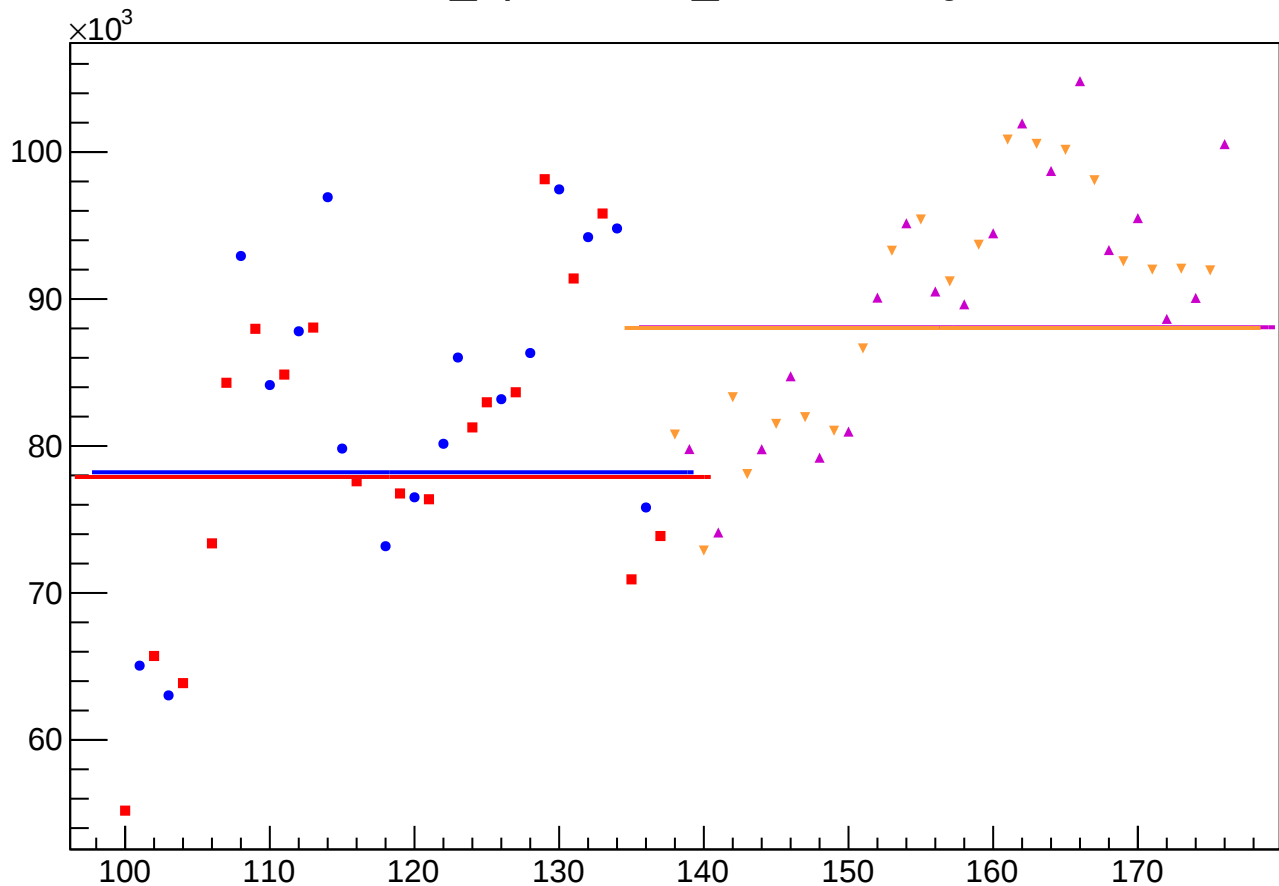
Left In: -8.709 ± 23.136 χ^2/NDF : 25.8/18

+ sign 7.953 ± 18.257 χ^2/NDF : 40.3/36

All: -6.104 ± 12.886 χ^2/NDF : 83.6/74

- sign -20.057 ± 18.190 χ^2/NDF : 42.1/37

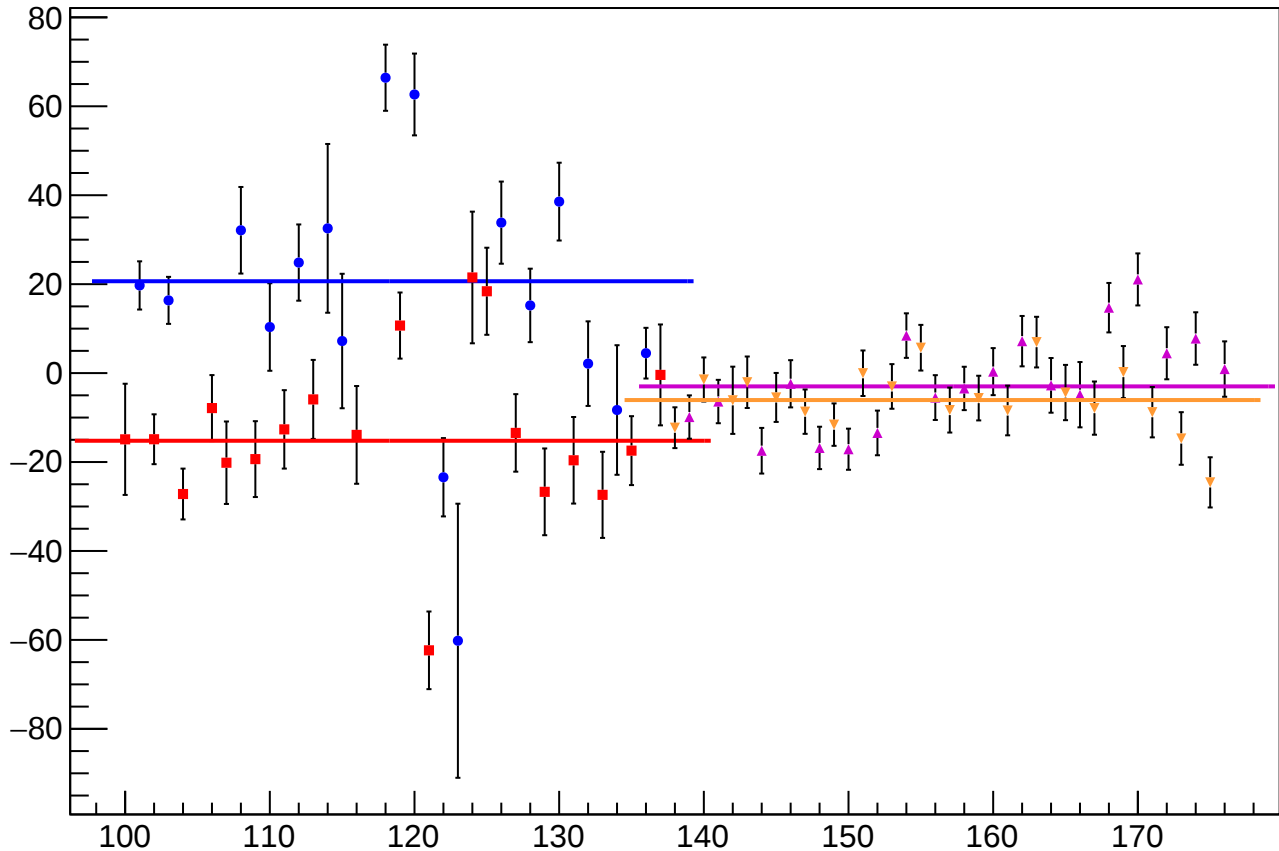
diff_bpm0r05X_rms vs Slug



Right In: 78213.025 ± 21.519 χ^2/NDF : 251056.7/16
 Left Out: 88031.010 ± 16.136 χ^2/NDF : 252906.5/19
 Right Out: 77891.938 ± 20.814 χ^2/NDF : 246970.2/18
 Left In: 88080.190 ± 16.359 χ^2/NDF : 256248.9/18

+ sign 84497.250 ± 12.910 χ^2/NDF : 637207.8/36
 All: 84342.859 ± 9.112 χ^2/NDF : 1288820.9/7
 - sign 84189.610 ± 12.862 χ^2/NDF : 651328.1/37

diff_bpm0r05Y_mean vs Slug



Right In: 20.657 $\pm$ 2.036 χ^2 /NDF: 117.7/16

Left Out: -6.061 $\pm$ 1.209 χ^2 /NDF: 31.9/19

Right Out: -15.216 $\pm$ 1.955 χ^2 /NDF: 71.3/18

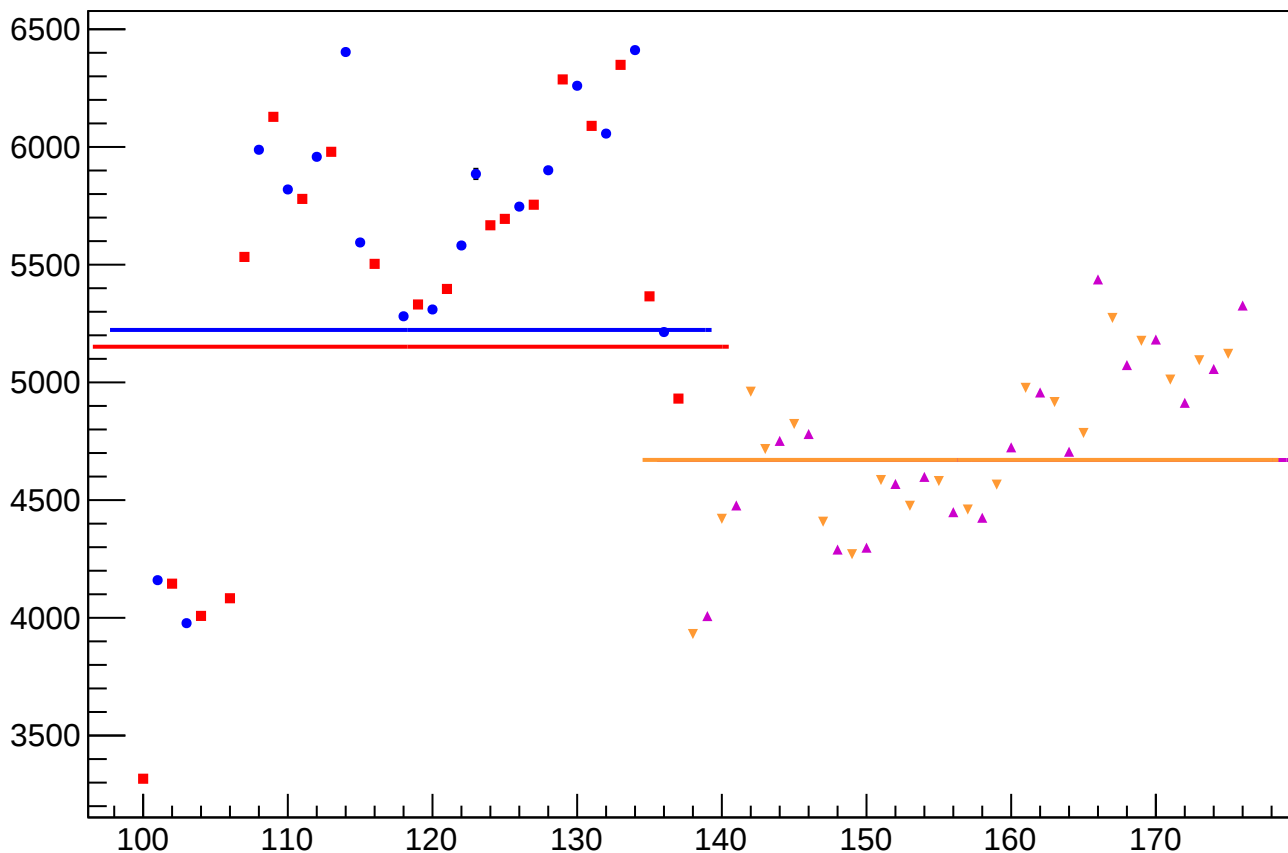
Left In: -2.990 $\pm$ 1.225 χ^2 /NDF: 74.1/18

+ sign 0.903 $\pm$ 1.039 χ^2 /NDF: 277.0/36

All: -2.772 $\pm$ 0.734 χ^2 /NDF: 475.4/74

- sign -6.438 $\pm$ 1.038 χ^2 /NDF: 173.5/37

diff_bpm0r05Y_rms vs Slug



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

Left Out: 4670.732 $\pm$ 0.855 χ^2 /NDF:165730.3/19

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

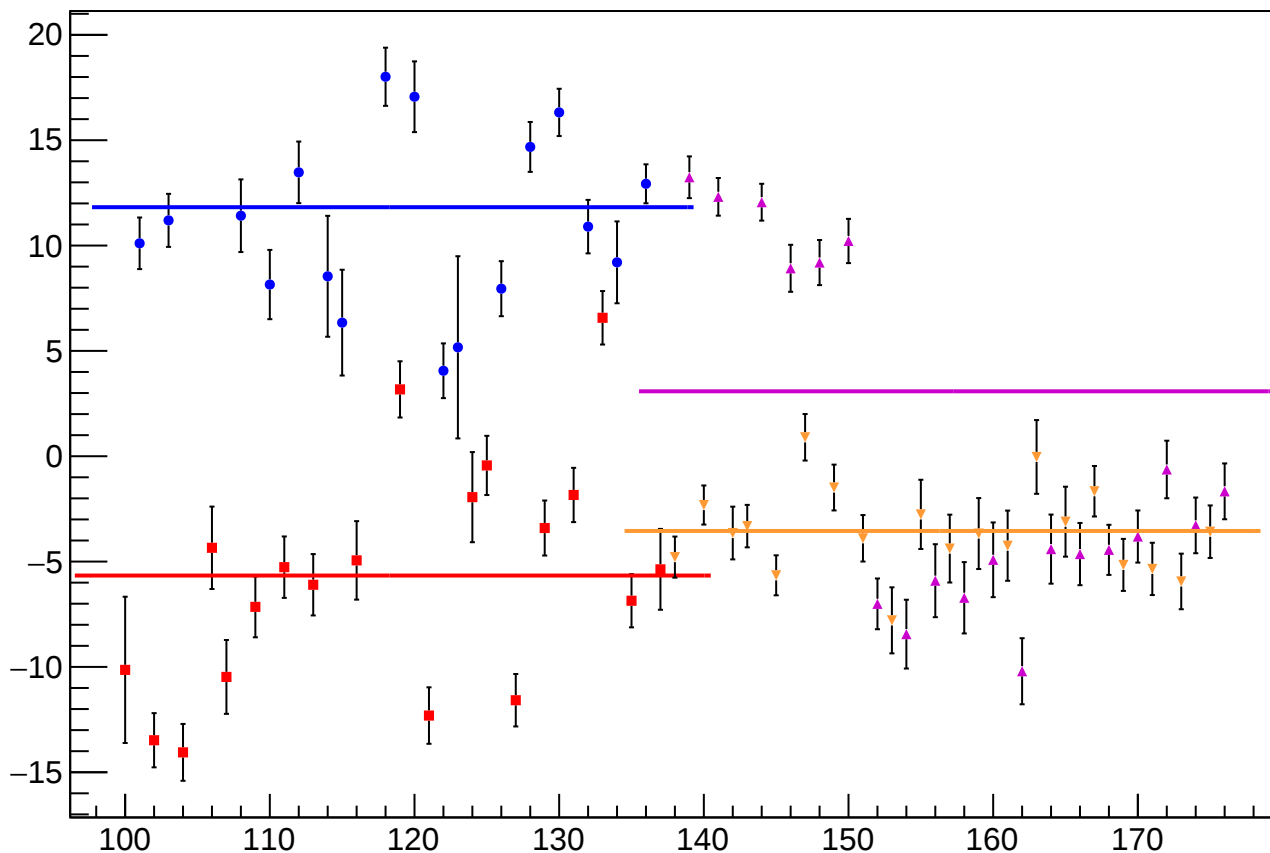
Left In: 4670.346 $\pm$ 0.866 χ^2 /NDF:164684.4/18

+ sign 4814.625 $\pm$ 0.735 χ^2 /NDF: 586946.8/36

All: 4810.321 $\pm$ 0.519 χ^2 /NDF: 1226407.7/74

- sign 4806.029 $\pm$ 0.734 χ^2 /NDF: 639392.3/37

diff_bpm2i01X_mean vs Slug



Right In: 11.821 ± 0.344 $\chi^2/\text{NDF}: 117.0/16$

Left Out: -3.547 ± 0.275 $\chi^2/\text{NDF}: 50.0/19$

Right Out: -5.663 ± 0.338 $\chi^2/\text{NDF}: 300.1/18$

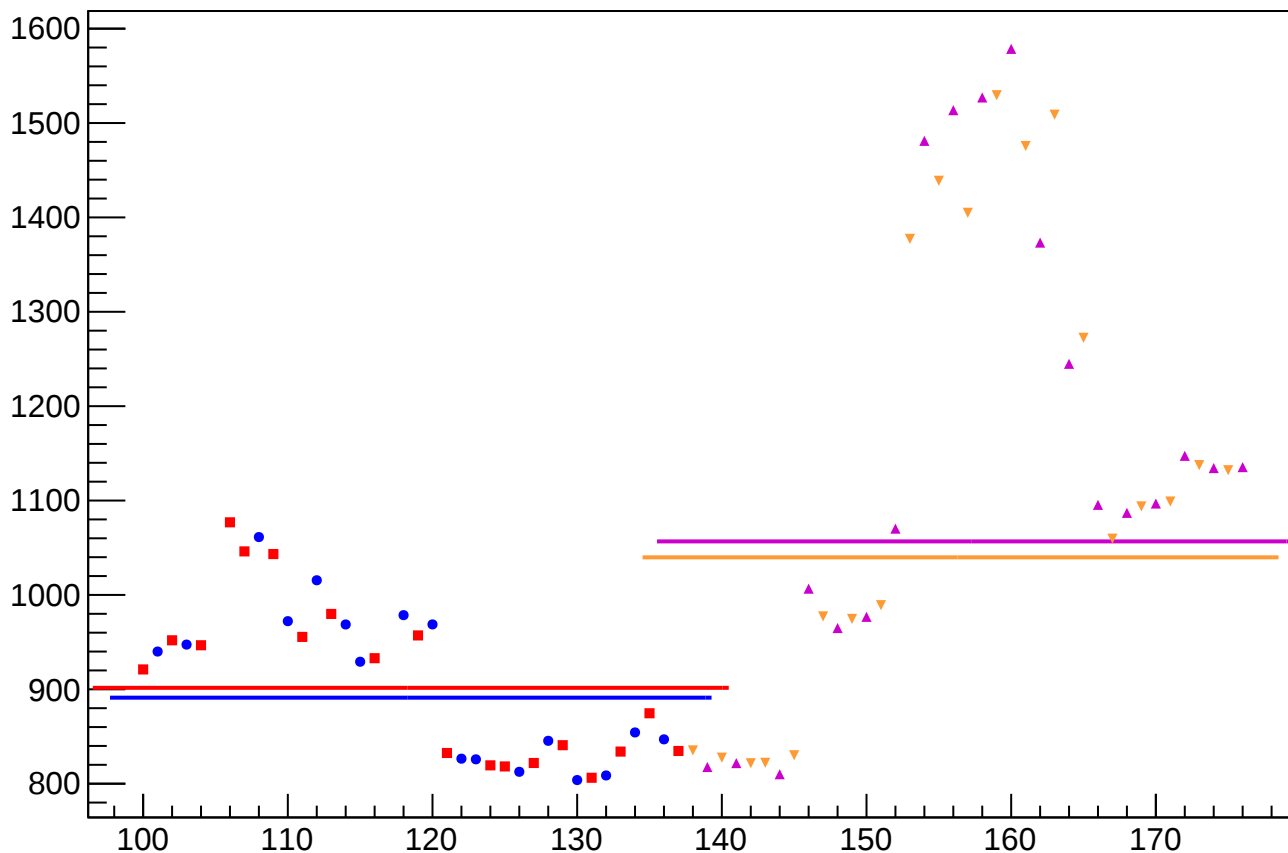
Left In: 3.082 ± 0.283 $\chi^2/\text{NDF}: 858.5/18$

+ sign 2.435 ± 0.215 $\chi^2/\text{NDF}: 1382.3/36$

All: 0.975 ± 0.153 $\chi^2/\text{NDF}: 3027.2/74$

- sign -0.514 ± 0.217 $\chi^2/\text{NDF}: 1551.6/37$

diff_bpm2i01X_rms vs Slug



Right In: 891.149 ± 0.244 χ^2/NDF : 101659.1/16

Left Out: 1039.824 ± 0.194 χ^2/NDF : 1295373.1/19

Right Out: 901.588 ± 0.239 χ^2/NDF : 114590.8/18

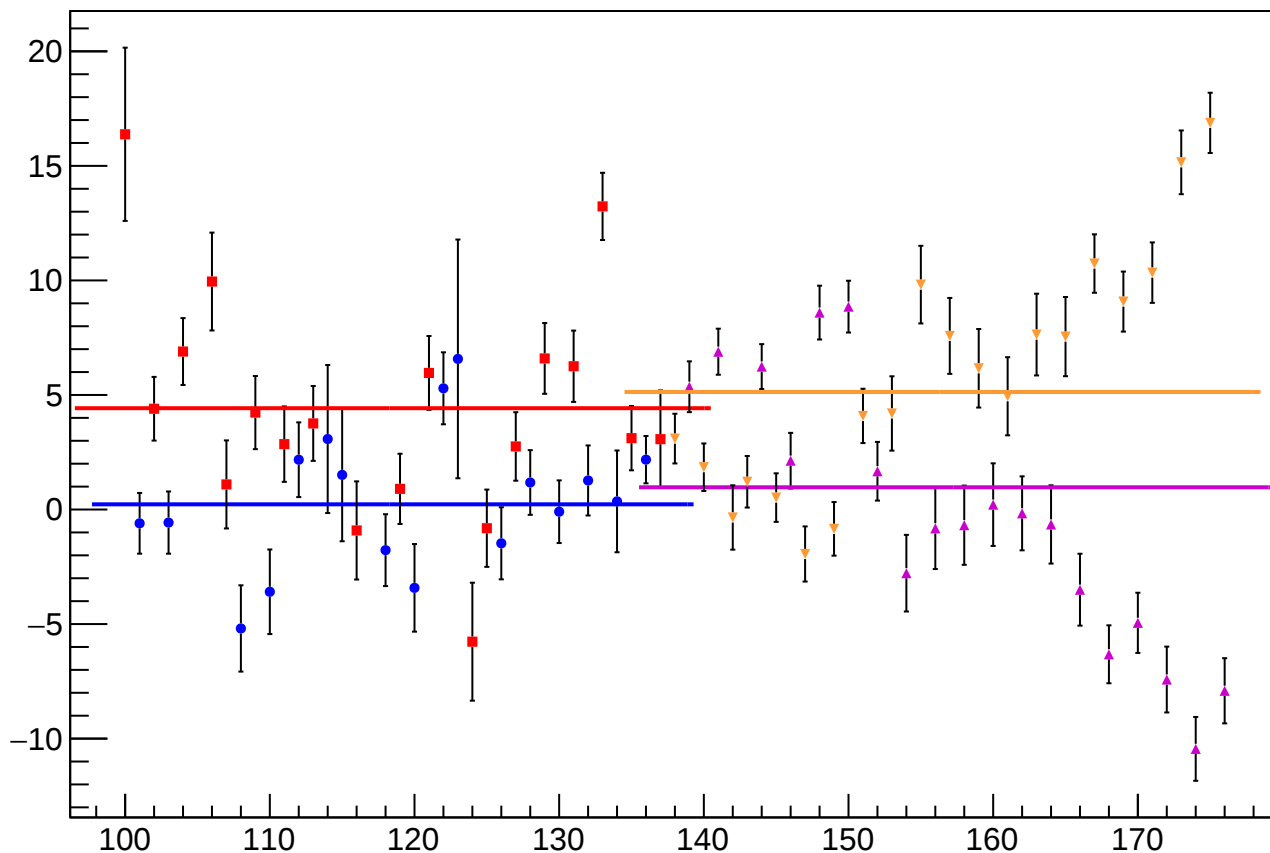
Left In: 1056.718 ± 0.200 χ^2/NDF : 1181400.0/18

+ sign 981.948 ± 0.152 χ^2/NDF : 1624529.4/36

All: 987.384 ± 0.108 χ^2/NDF : 3170476.6/74

- sign 992.927 ± 0.153 χ^2/NDF : 1543363.4/37

diff_bpm2i01Y_mean vs Slug



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

Left Out: 5.131 ± 0.296 χ^2/NDF : 311.3/19

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

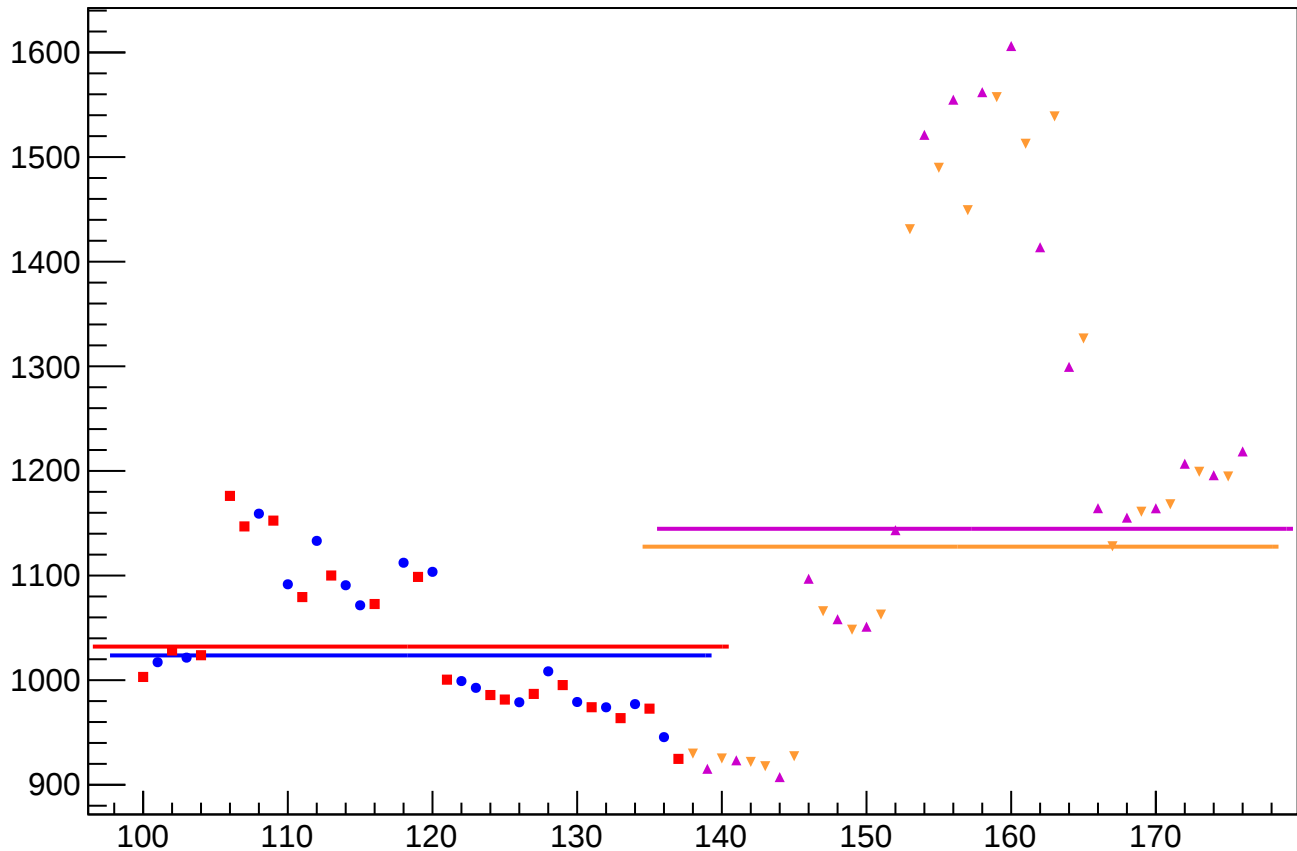
Left In: 0.970 ± 0.304 χ^2/NDF : 381.8/18

+ sign 3.365 ± 0.237 χ^2/NDF : 448.5/36

All: 2.833 ± 0.168 χ^2/NDF : 993.0/74

- sign 2.291 ± 0.239 χ^2/NDF : 534.3/37

diff_bpm2i01Y_rms vs Slug



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

Left Out: 1127.610+/-0.210 χ^2/NDF : 957935.3/19

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

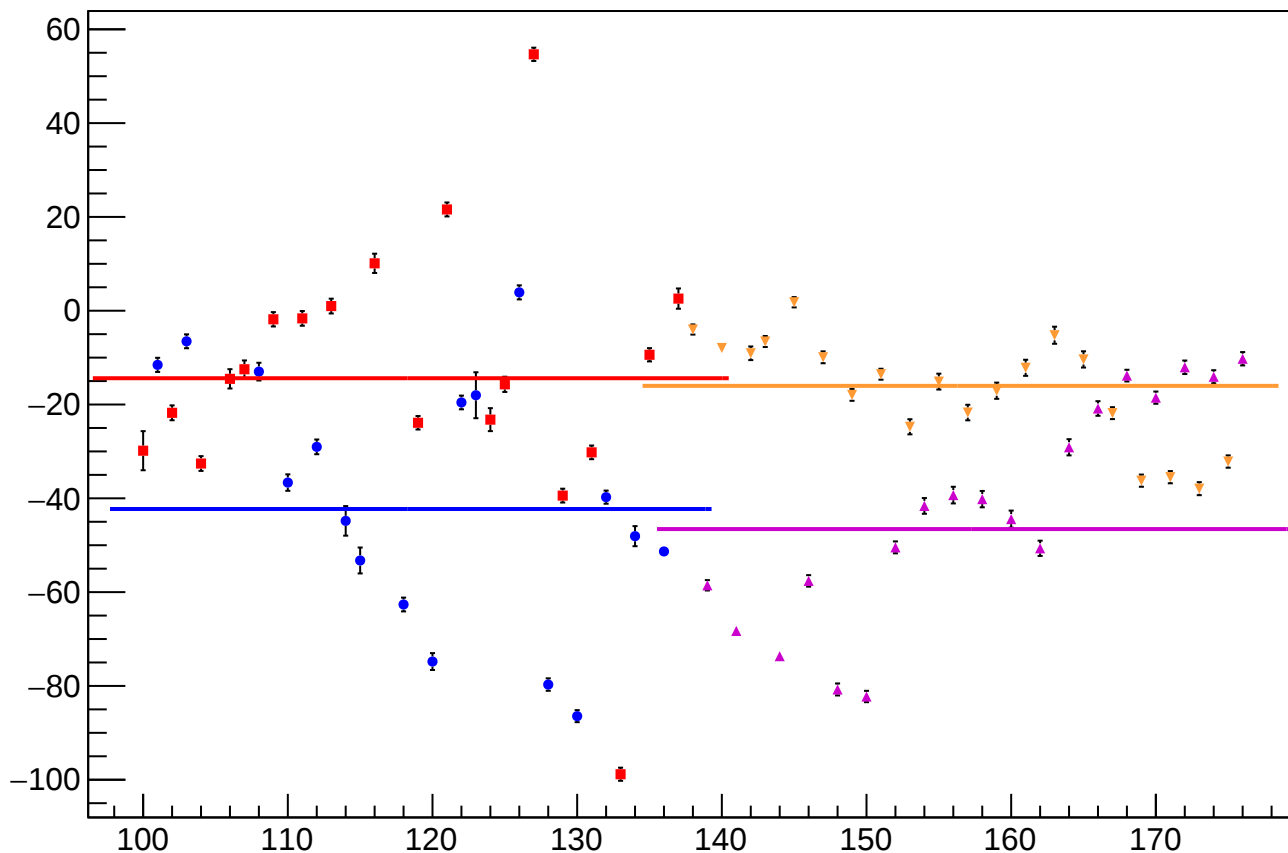
Left In: 1144.692+/-0.215 χ^2/NDF : 868049.1/18

+ sign 1090.178+/-0.168 χ^2/NDF : 1098961.2/36

All: 1095.843+/-0.119 χ^2/NDF : 2133358.8/74

- sign 1101.613+/-0.169 χ^2/NDF : 1032091.8/37

diff_bpm2i02X_mean vs Slug



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

Left Out: -16.020 ± 0.301 χ^2/NDF : 1540.4/19

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

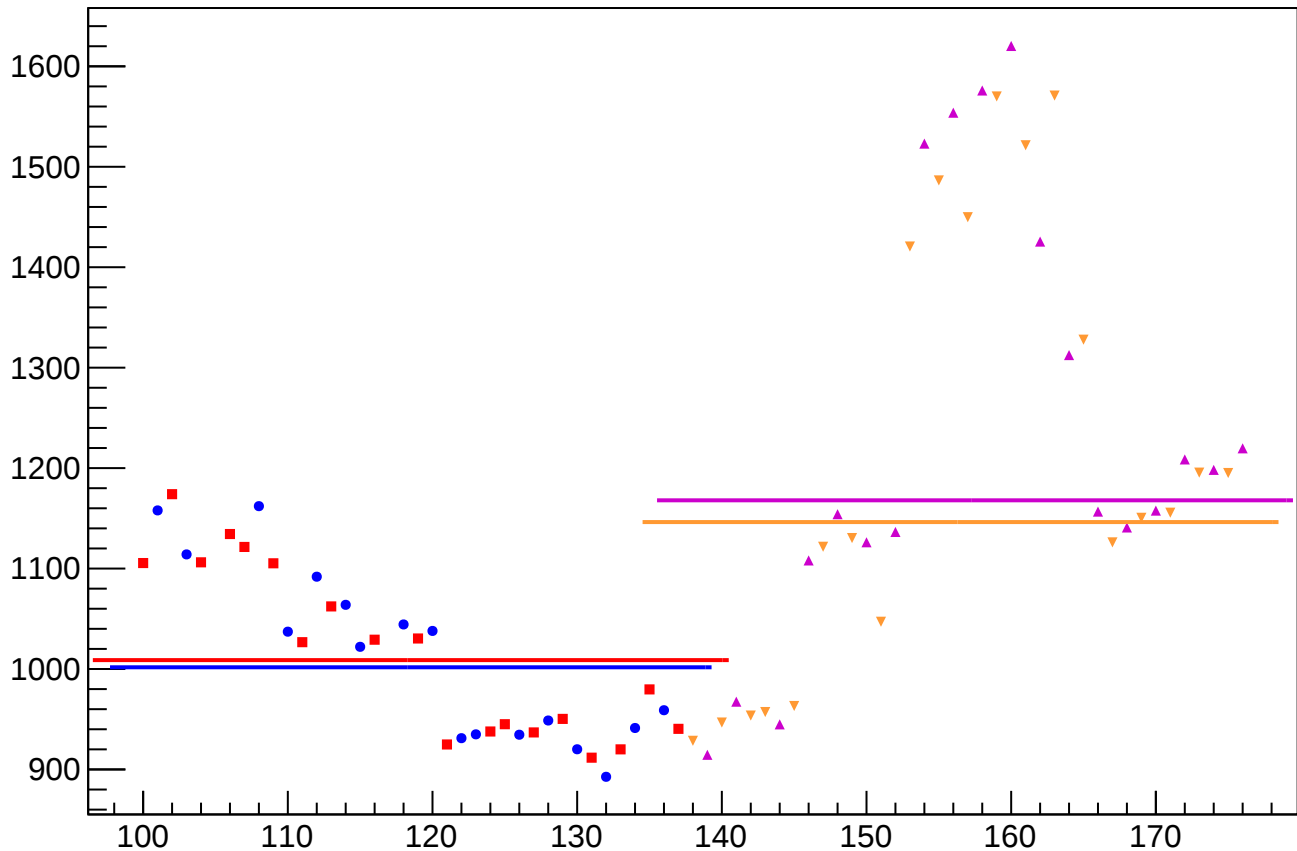
Left In: -46.554 ± 0.310 χ^2/NDF : 6255.3/18

+ sign -25.905 ± 0.238 χ^2/NDF : 9536.1/36

All: -29.730 ± 0.169 χ^2/NDF : 28304.7/74

- sign -33.631 ± 0.240 χ^2/NDF : 18244.8/37

diff_bpm2i02X_rms vs Slug



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

Left Out: 1146.283 $\pm$ 0.213 χ^2 /NDF: 867472.4/19

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

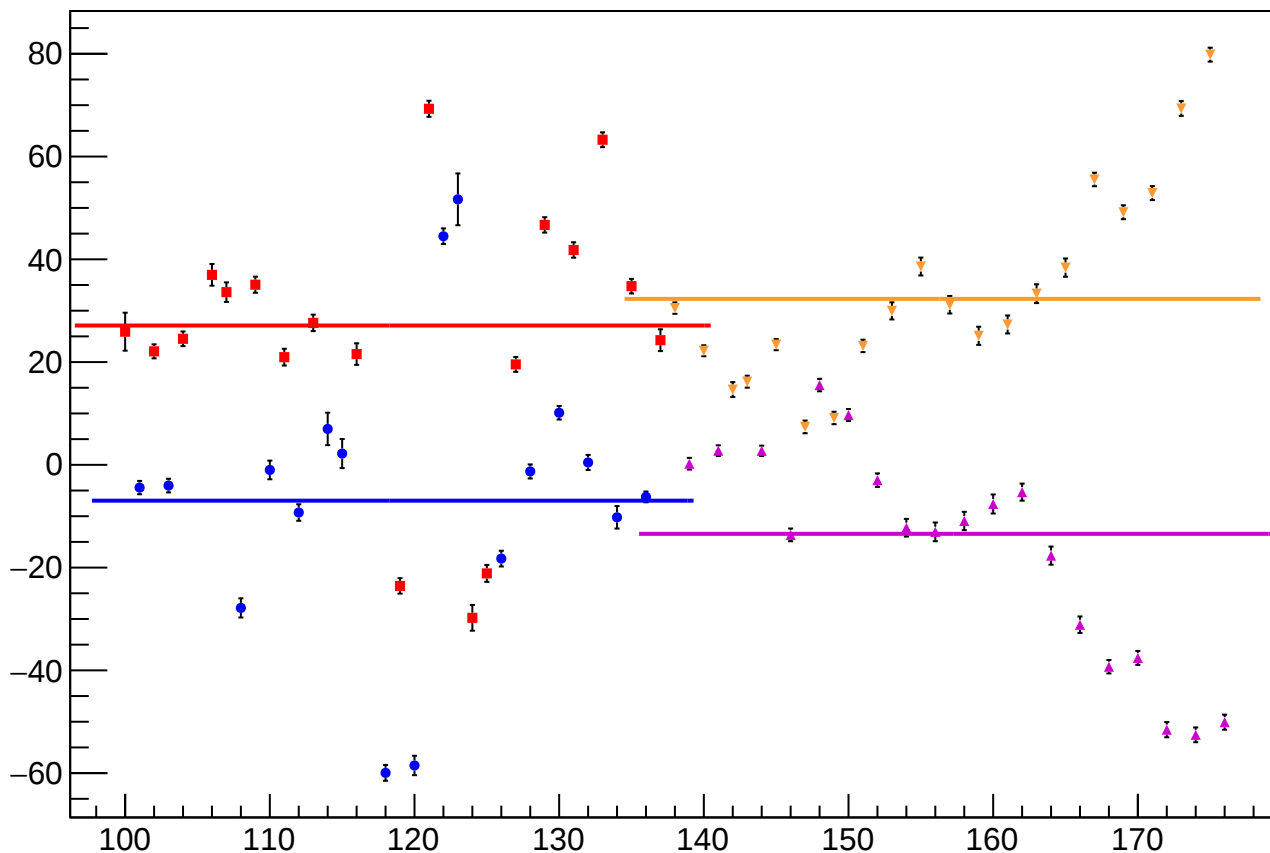
Left In: 1167.941 $\pm$ 0.219 χ^2 /NDF: 768766.6/18

+ sign 1091.857 $\pm$ 0.168 χ^2 /NDF: 1136892.0/36

All: 1097.876 $\pm$ 0.119 χ^2 /NDF: 2215013.2/74

- sign 1104.015 $\pm$ 0.170 χ^2 /NDF: 1075527.2/37

diff_bpm2i02Y_mean vs Slug



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

Left Out: 32.302 ± 0.305 χ^2/NDF : 3961.2/19

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

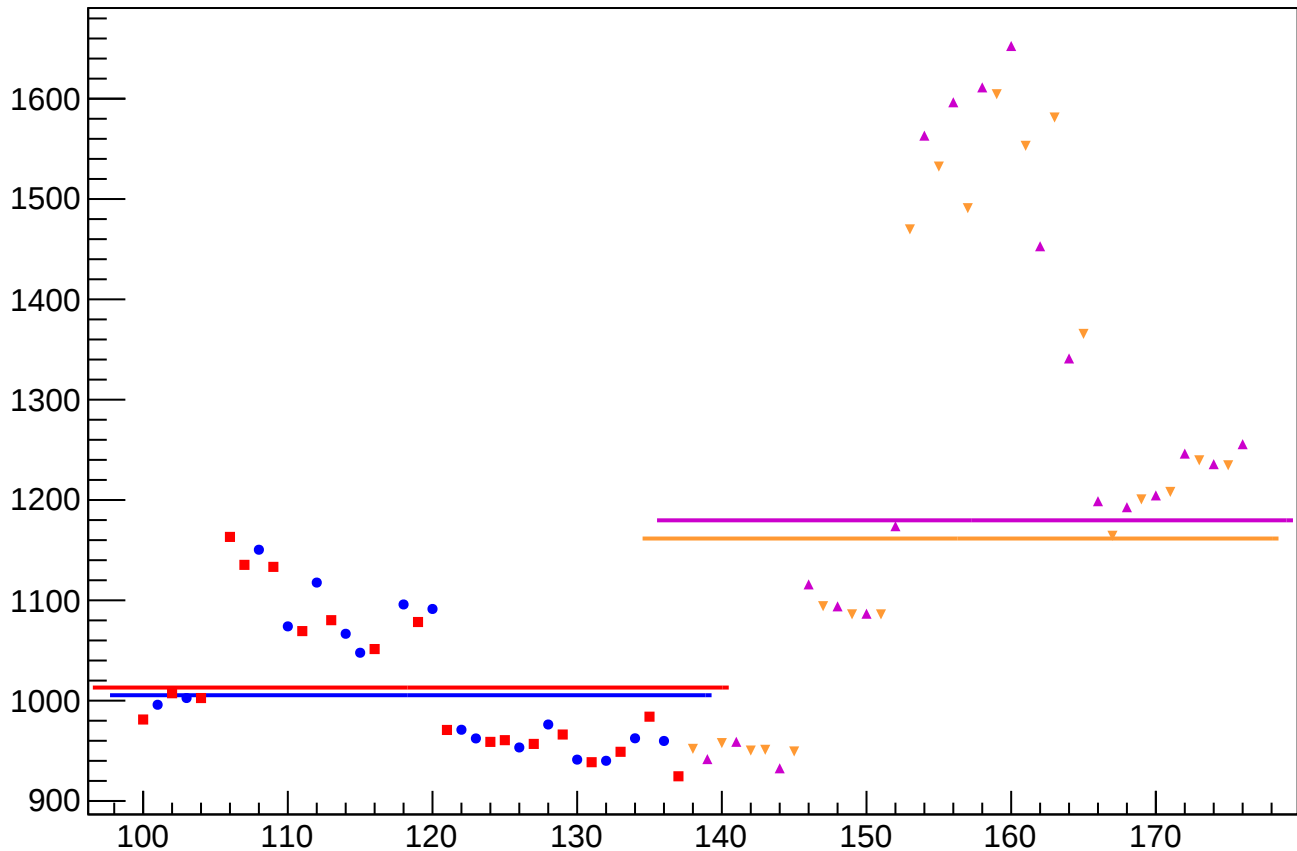
Left In: -13.425 ± 0.314 χ^2/NDF : 4559.0/18

+ sign 17.288 ± 0.240 χ^2/NDF : 13929.5/36

All: 10.215 ± 0.170 χ^2/NDF : 31302.9/74

- sign 3.027 ± 0.242 χ^2/NDF : 15620.1/37

diff_bpm2i02Y_rms vs Slug



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

Left Out: 1161.603 $\pm$ 0.216 χ^2 /NDF: 955601.9/19

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

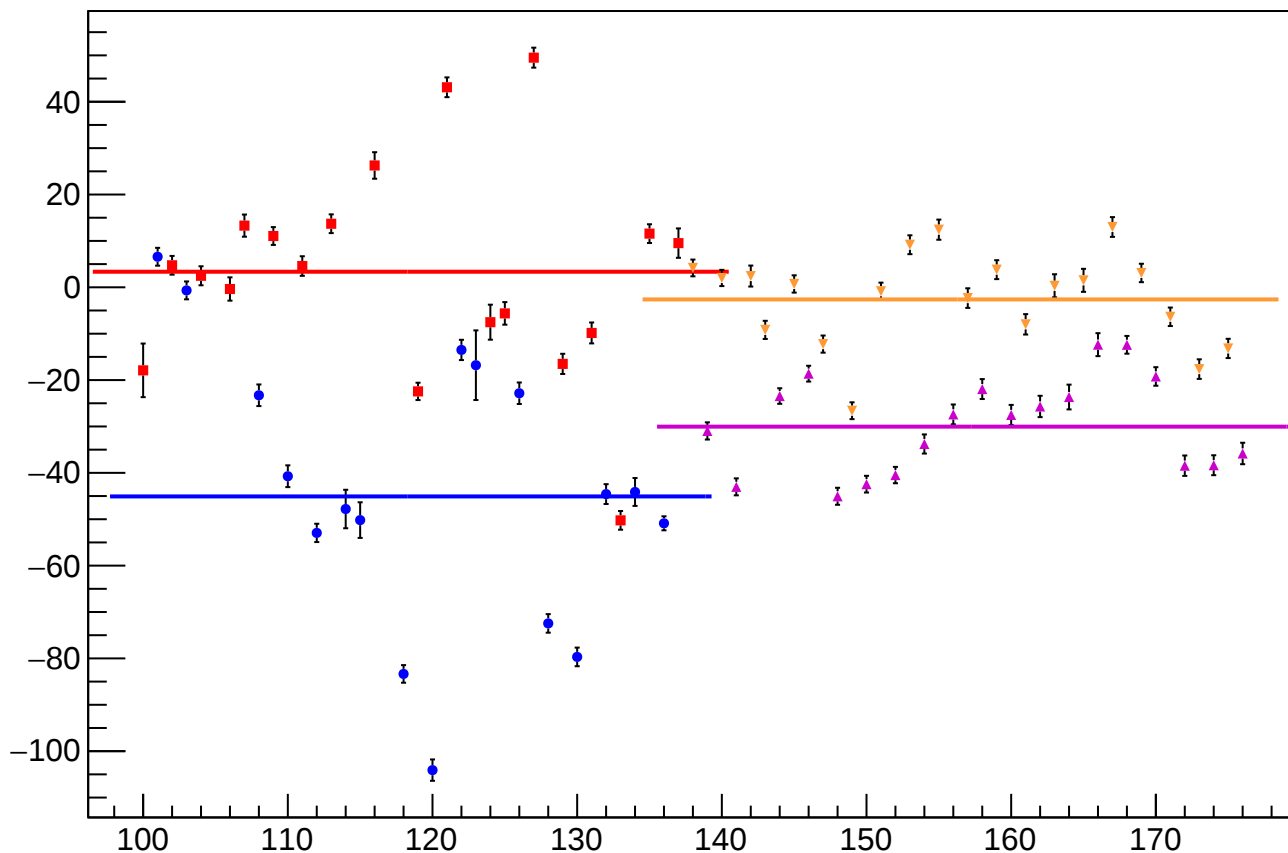
Left In: 1179.742 $\pm$ 0.222 χ^2 /NDF: 861012.7/18

+ sign 1101.897 $\pm$ 0.170 χ^2 /NDF: 1210451.3/36

All: 1106.958 $\pm$ 0.120 χ^2 /NDF: 2365652.3/74

- sign 1112.102 $\pm$ 0.171 χ^2 /NDF: 1153405.5/37

diff_bpm0i02X_mean vs Slug



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

Left Out: -2.611 ± 0.452 χ^2/NDF : 487.2/19

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

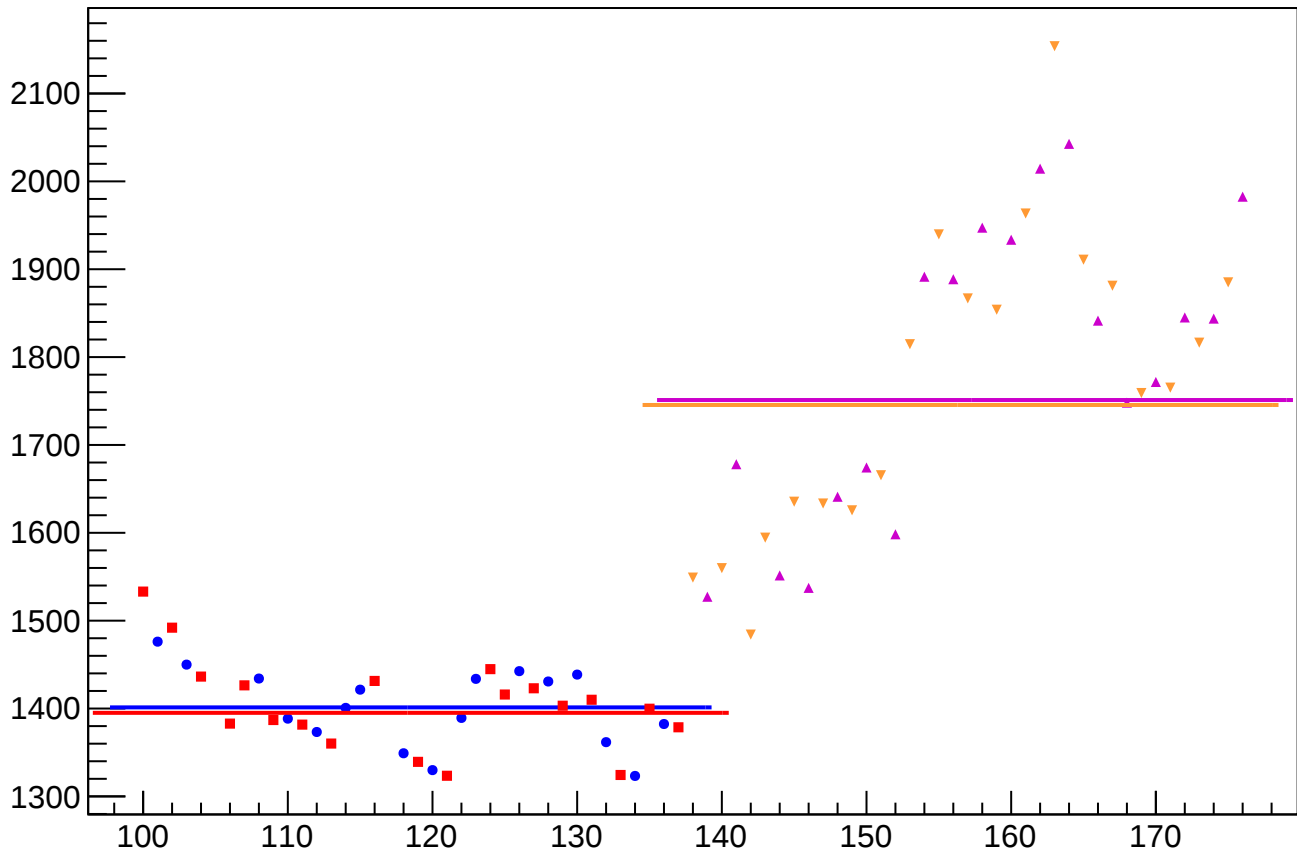
Left In: -30.038 ± 0.460 χ^2/NDF : 491.3/18

+ sign -20.120 ± 0.347 χ^2/NDF : 7364.9/36

All: -17.769 ± 0.244 χ^2/NDF : 12258.9/74

- sign -15.439 ± 0.345 χ^2/NDF : 4802.4/37

diff_bpm0i02X_rms vs Slug



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

Left Out: 1745.496+/-0.320 χ^2/NDF : 244054.1/19

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

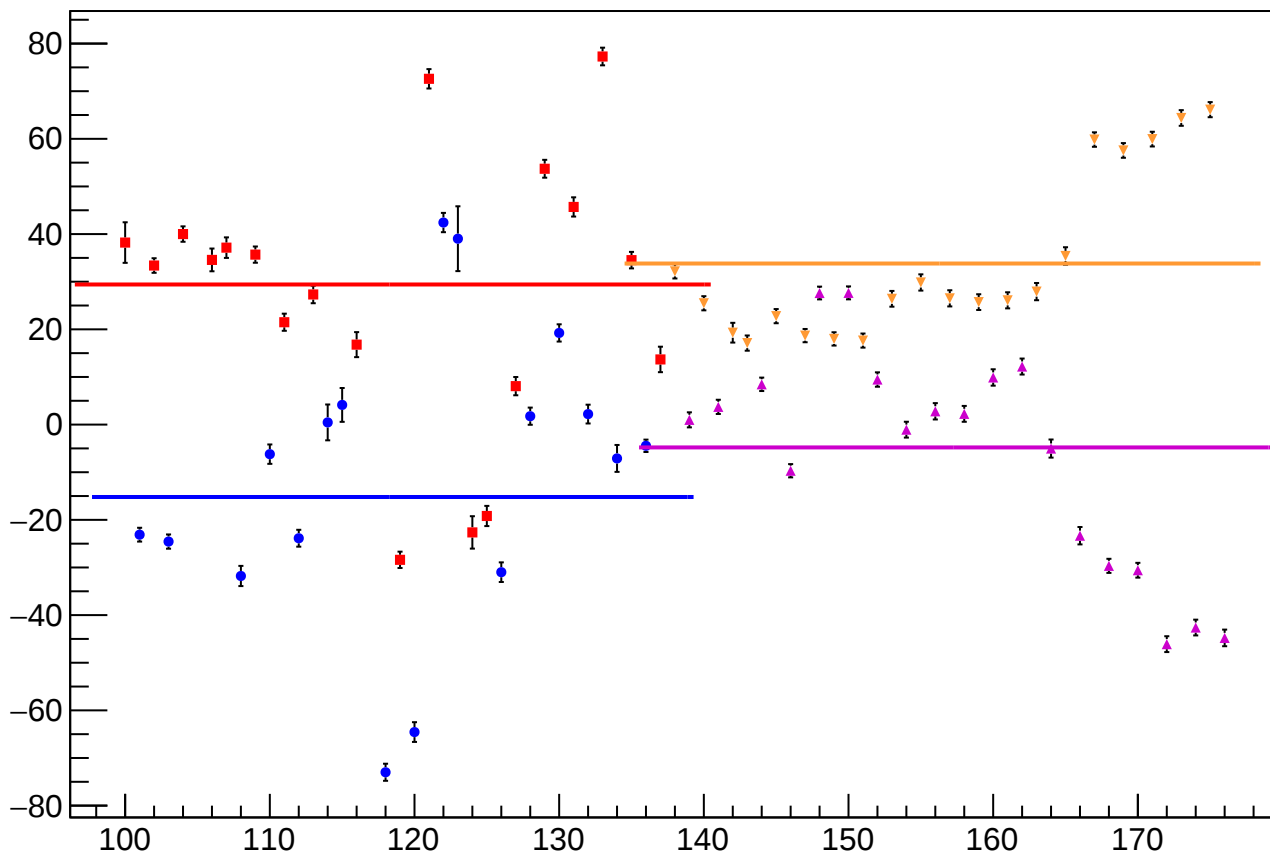
Left In: 1751.139+/-0.325 χ^2/NDF : 246912.4/18

+ sign 1603.601+/-0.245 χ^2/NDF : 735001.3/36

All: 1599.532+/-0.173 χ^2/NDF : 1522033.3/74

- sign 1595.498+/-0.244 χ^2/NDF : 786482.8/37

diff_bpm0i02Y_mean vs Slug



Right In: -15.202 ± 0.472 $\chi^2/\text{NDF}: 3362.5/16$

Left Out: 33.820 ± 0.356 $\chi^2/\text{NDF}: 2289.5/19$

Right Out: 29.418 ± 0.456 $\chi^2/\text{NDF}: 3544.8/18$

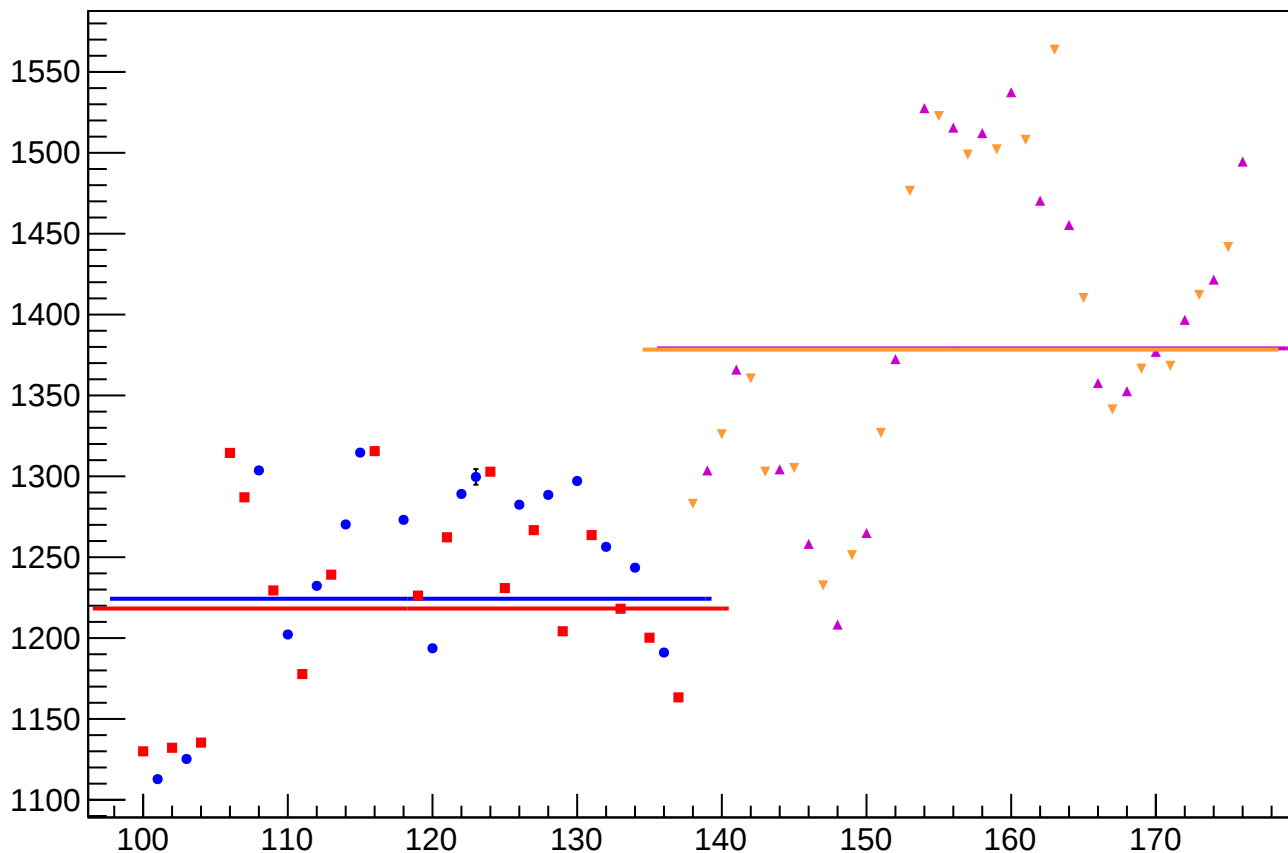
Left In: -4.794 ± 0.361 $\chi^2/\text{NDF}: 3931.5/18$

+ sign 16.029 ± 0.284 $\chi^2/\text{NDF}: 12520.6/36$

All: 12.197 ± 0.201 $\chi^2/\text{NDF}: 23814.7/74$

- sign 8.395 ± 0.283 $\chi^2/\text{NDF}: 10932.4/37$

diff_bpm0i02Y_rms vs Slug



Right In: 1224.320+/-0.334 χ^2/NDF : 38778.2/16

Left Out: 1378.334+/-0.252 χ^2/NDF : 142420.0/19

Right Out: 1218.276+/-0.323 χ^2/NDF : 27572.9/18

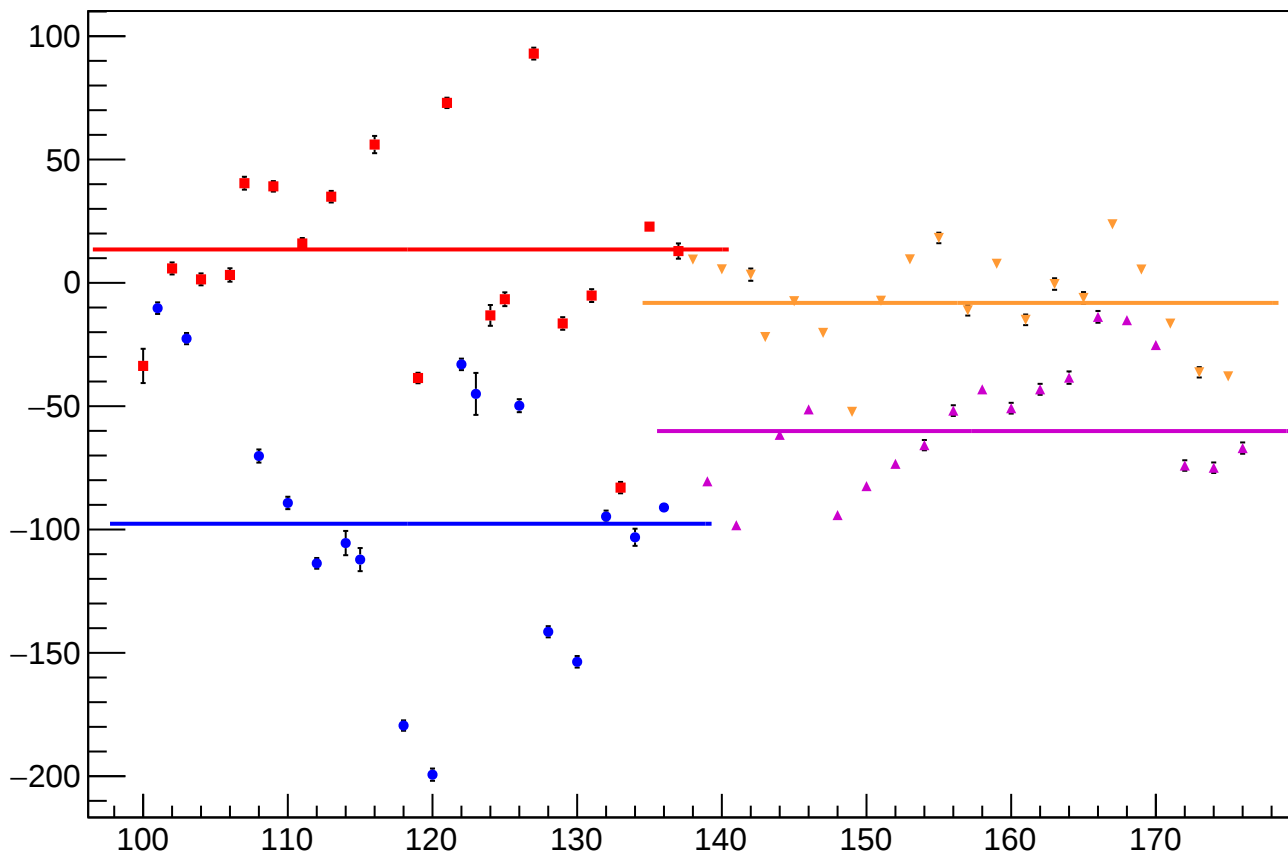
Left In: 1379.094+/-0.256 χ^2/NDF : 150604.3/18

+ sign 1322.441+/-0.201 χ^2/NDF : 316797.6/36

All: 1319.757+/-0.142 χ^2/NDF : 648055.8/74

- sign 1317.095+/-0.200 χ^2/NDF : 330903.4/37

diff_bpm0i02aX_mean vs Slug



Right In: -97.657+/-0.601 χ^2/NDF : 7936.6/16

Left Out: -8.123+/-0.449 χ^2/NDF : 1873.3/19

Right Out: 13.538+/-0.579 χ^2/NDF : 5128.2/18

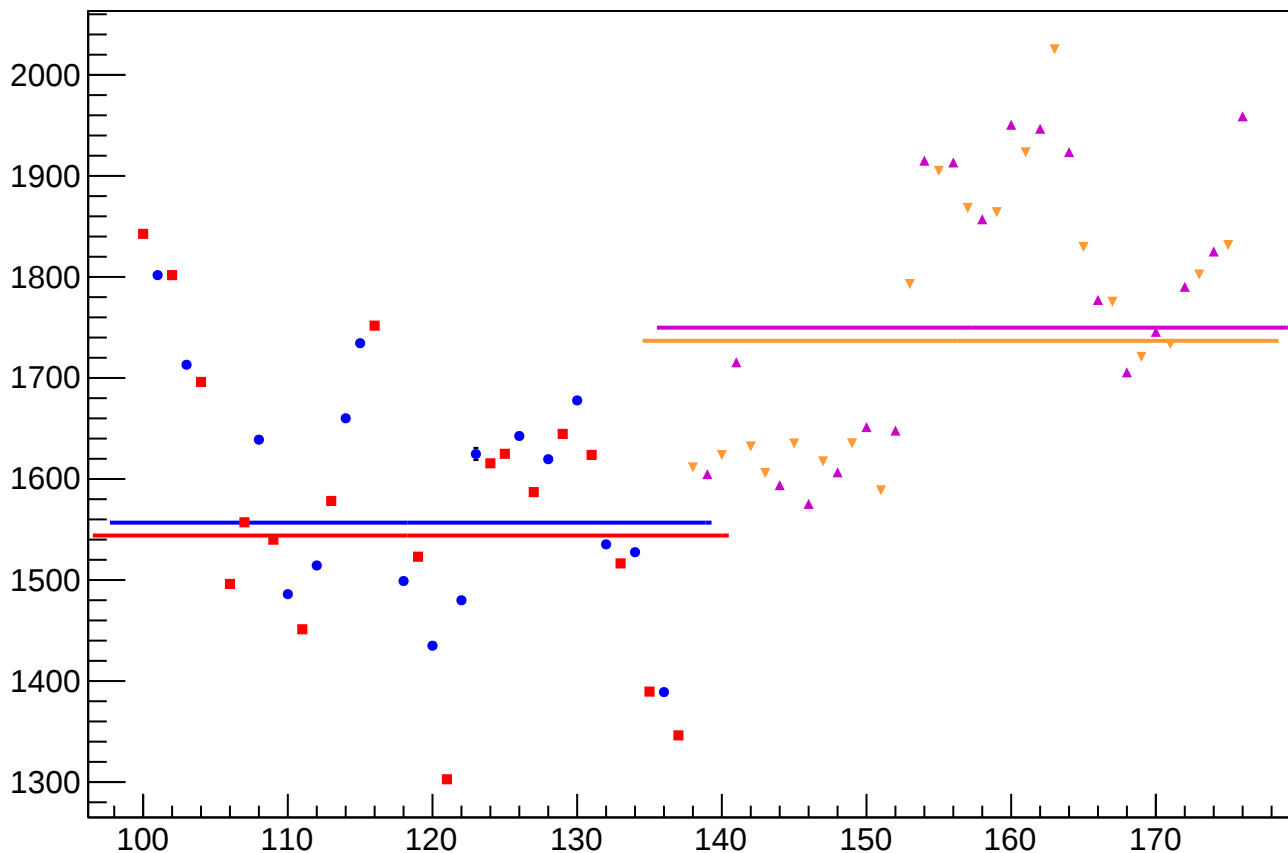
Left In: -60.084+/-0.459 χ^2/NDF : 2737.5/18

+ sign -40.187+/-0.360 χ^2/NDF : 24040.5/36

All: -35.950+/-0.254 χ^2/NDF : 42109.3/74

- sign -31.719+/-0.360 χ^2/NDF : 17791.8/37

diff_bpm0i02aX_rms vs Slug



Right In: 1556.799 $\pm$ 0.425 χ^2 /NDF: 81549.2/16

Left Out: 1736.793 $\pm$ 0.318 χ^2 /NDF:148499.0/19

Right Out: 1544.034 $\pm$ 0.410 χ^2 /NDF: 100501.7/18

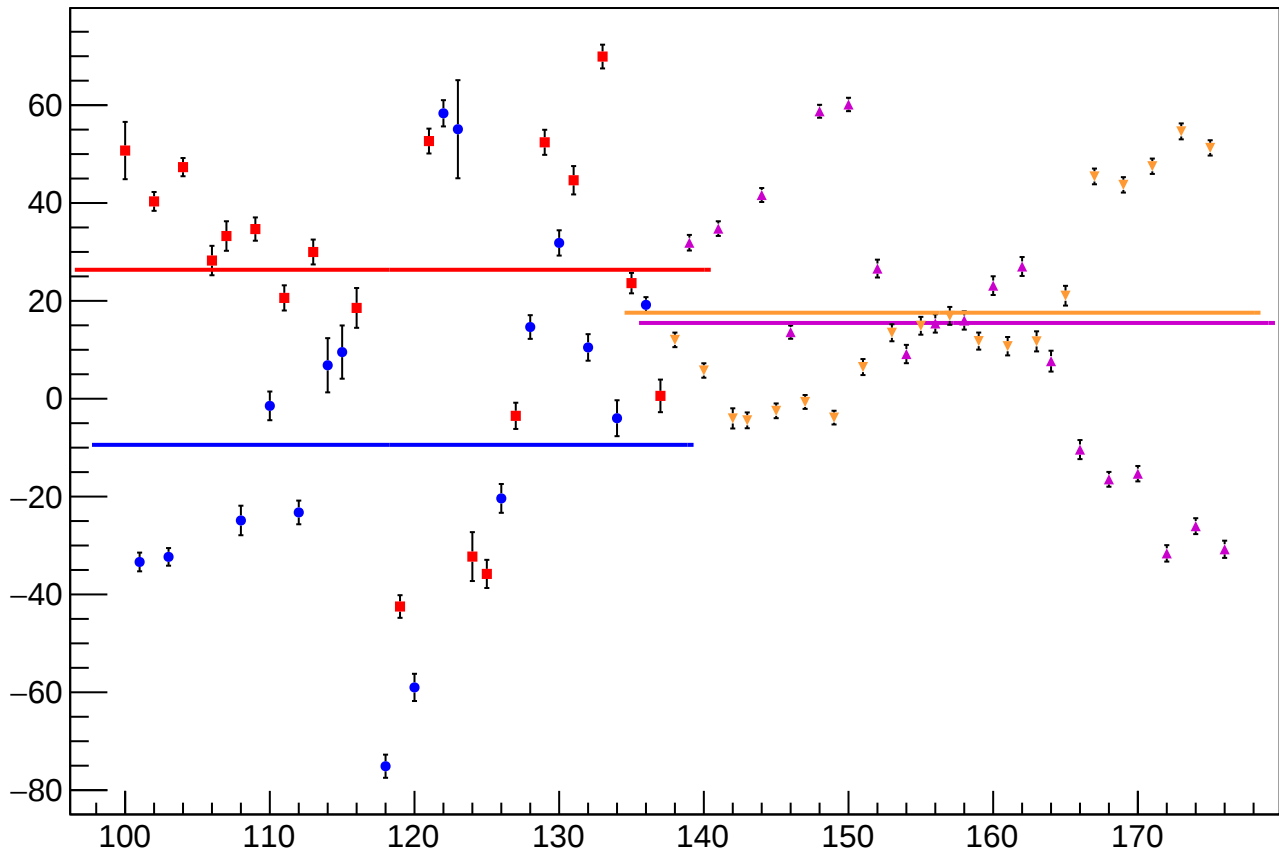
Left In: 1749.809 $\pm$ 0.324 χ^2 /NDF:166433.9/18

+ sign 1672.335 $\pm$ 0.254 χ^2 /NDF: 345073.6/36

All: 1671.431 $\pm$ 0.180 χ^2 /NDF: 767121.6/74

- sign 1670.528 $\pm$ 0.254 χ^2 /NDF: 422022.8/37

diff_bpm0i02aY_mean vs Slug



Right In: -9.427 ± 0.626 χ^2/NDF : 2924.1/16

Left Out: 17.580 ± 0.369 χ^2/NDF : 2956.8/19

Right Out: 26.354 ± 0.603 χ^2/NDF : 2472.1/18

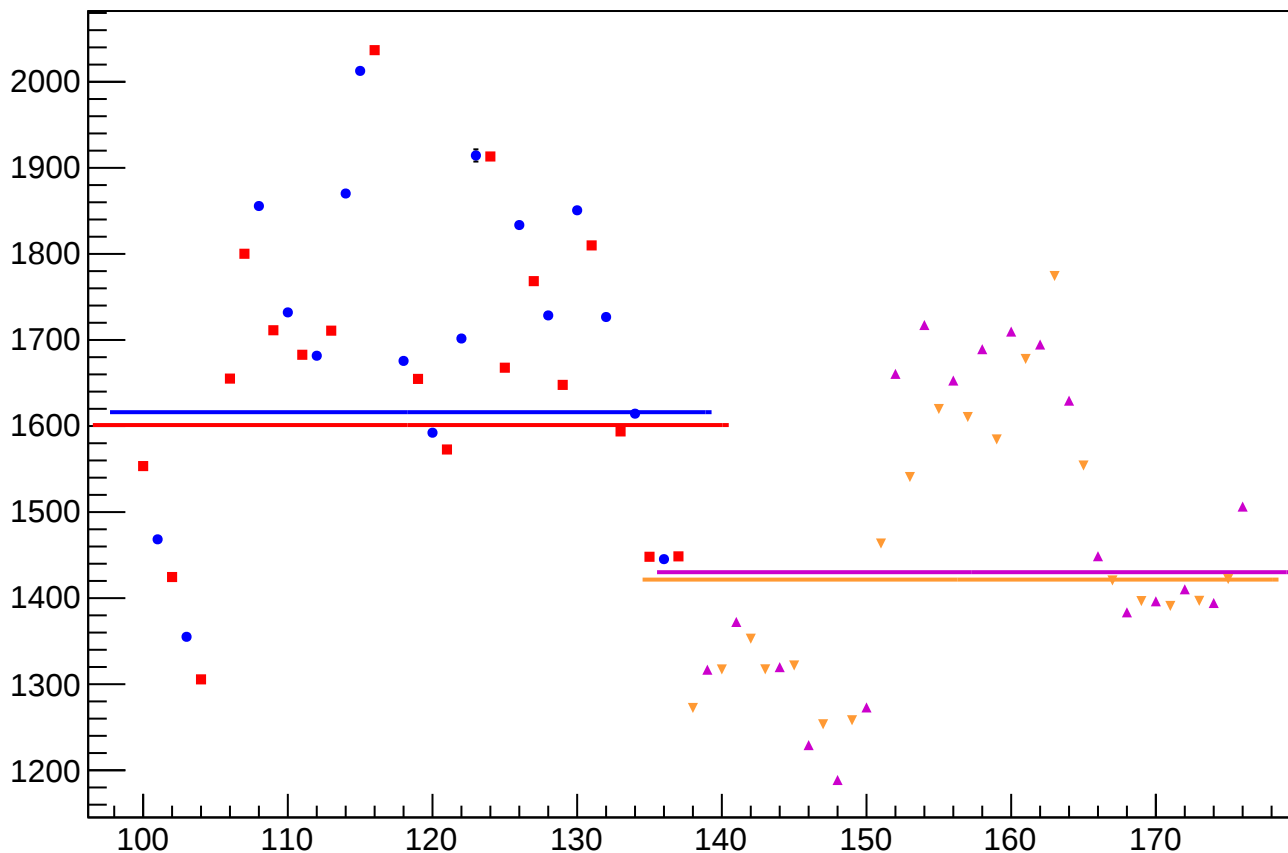
Left In: 15.486 ± 0.377 χ^2/NDF : 5992.0/18

+ sign 10.630 ± 0.318 χ^2/NDF : 7261.2/36

All: 14.564 ± 0.225 χ^2/NDF : 16267.1/74

- sign 18.538 ± 0.319 χ^2/NDF : 8697.9/37

diff_bpm0i02aY_rms vs Slug



Right In: 1616.094+/-0.443 χ^2/NDF : 149596.3/16

Left Out: 1421.553+/-0.261 χ^2/NDF : 284586.7/19

Right Out: 1601.134+/-0.426 χ^2/NDF : 153651.5/18

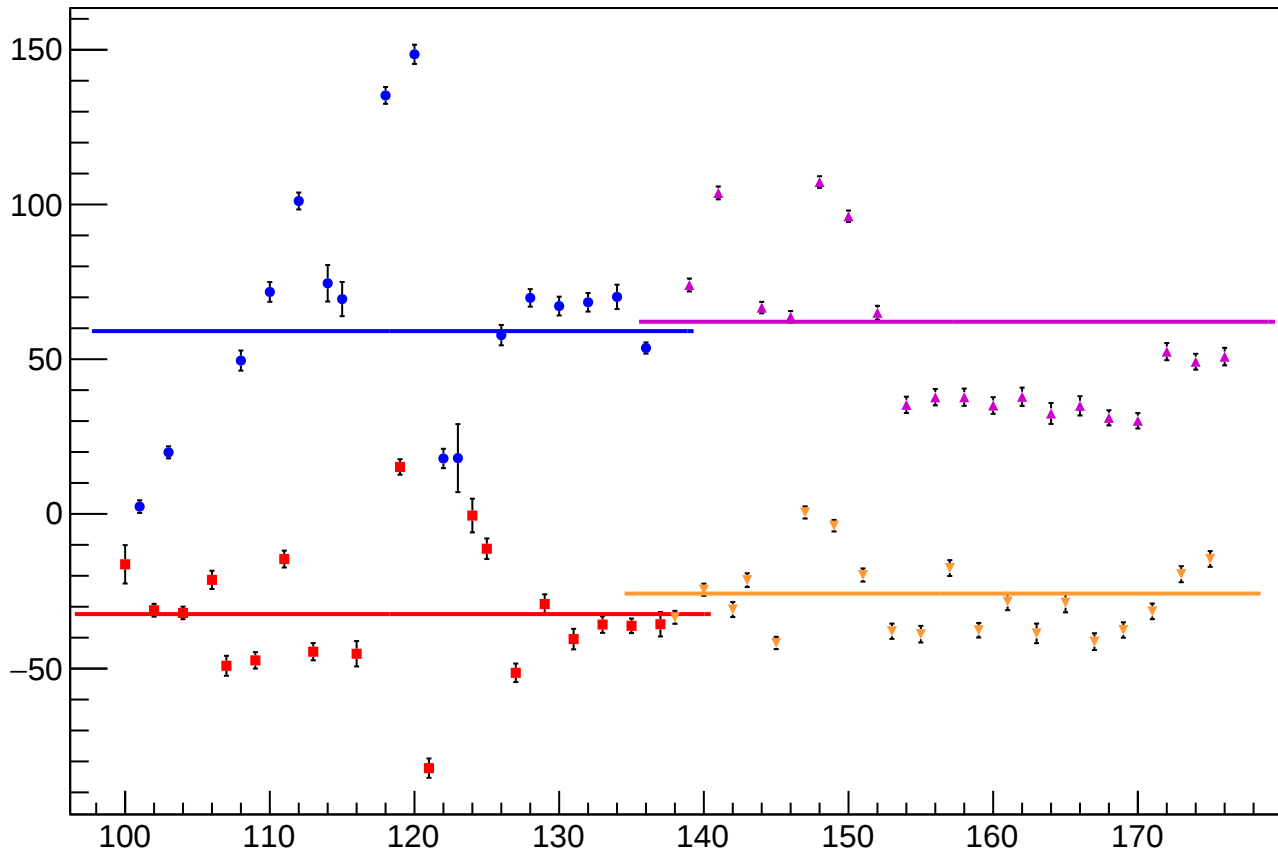
Left In: 1430.163+/-0.266 χ^2/NDF : 412913.0/18

+ sign 1471.612+/-0.225 χ^2/NDF : 577425.9/36

All: 1474.876+/-0.159 χ^2/NDF : 1260128.5/74

- sign 1478.173+/-0.226 χ^2/NDF : 682278.7/37

diff_bpm0i05X_mean vs Slug



Right In: 59.081 ± 0.699 χ^2/NDF : 3293.6/16

Left Out: -25.749 ± 0.528 χ^2/NDF : 597.5/19

Right Out: -32.382 ± 0.666 χ^2/NDF : 891.5/18

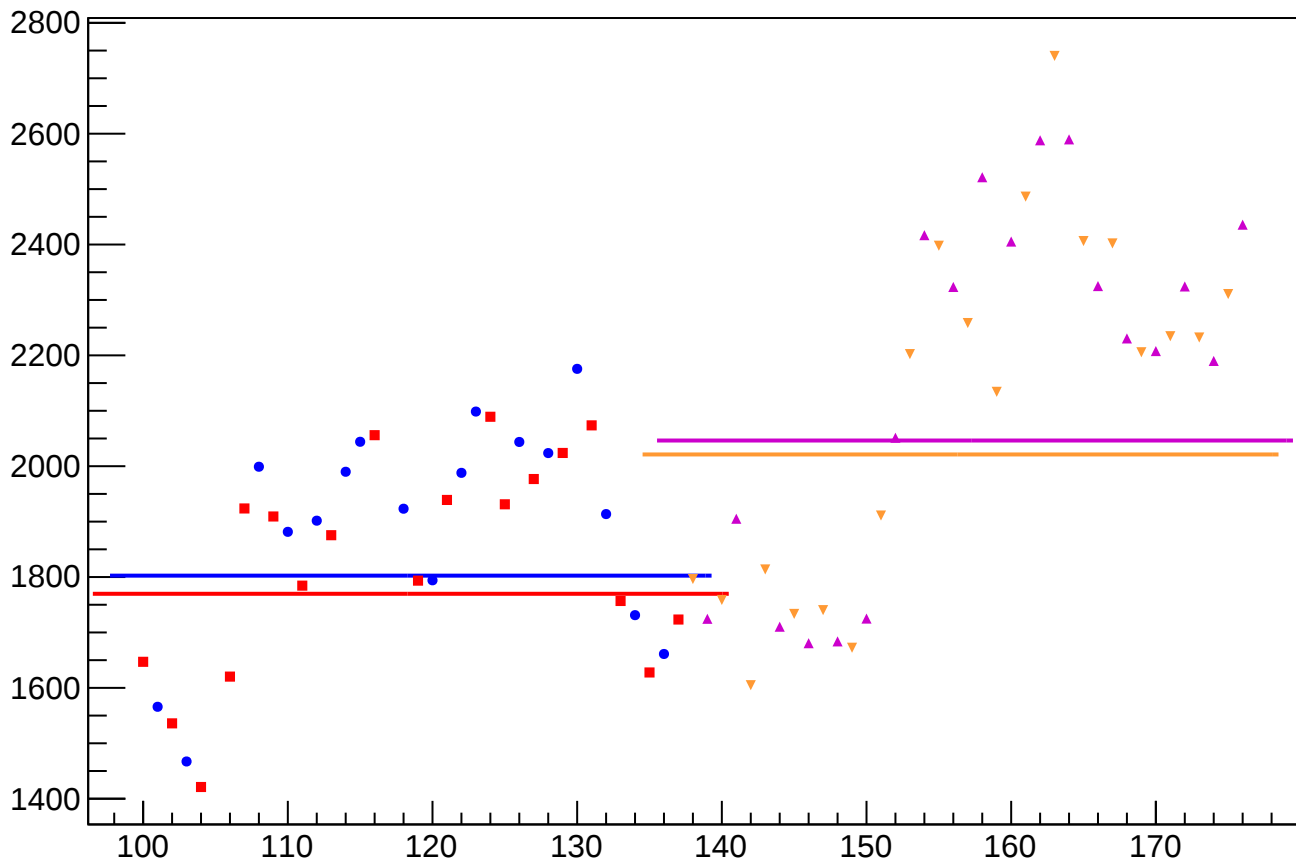
Left In: 62.107 ± 0.542 χ^2/NDF : 2322.8/18

+ sign 5.013 ± 0.421 χ^2/NDF : 13266.1/36

All: 14.769 ± 0.298 χ^2/NDF : 29649.6/74

- sign 24.492 ± 0.421 χ^2/NDF : 15312.4/37

diff_bpm0i05X_rms vs Slug



Right In: 1802.524+/-0.495 χ^2/NDF : 184069.0/16

Left Out: 2021.201+/-0.373 χ^2/NDF : 655644.5/19

Right Out: 1769.772+/-0.471 χ^2/NDF : 177893.4/18

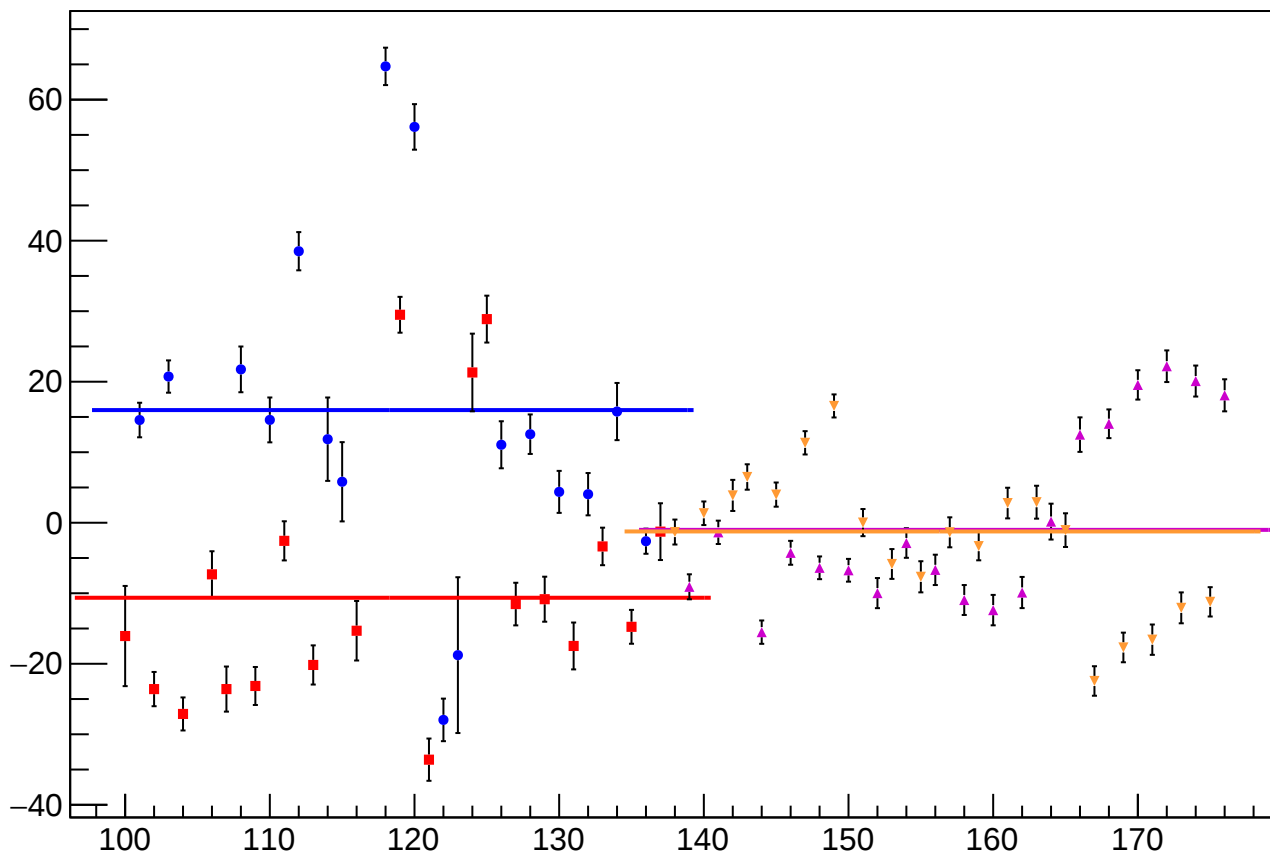
Left In: 2046.353+/-0.383 χ^2/NDF : 707567.7/18

+ sign 1941.901+/-0.298 χ^2/NDF : 964307.1/36

All: 1939.071+/-0.210 χ^2/NDF : 2057262.7/74

- sign 1936.250+/-0.297 χ^2/NDF : 1092775.3/37

diff_bpm0i05Y_mean vs Slug



Right In: 15.976 ± 0.722 $\chi^2/\text{NDF}: 938.4/16$

Left Out: -1.235 ± 0.442 $\chi^2/\text{NDF}: 495.4/19$

Right Out: -10.638 ± 0.693 $\chi^2/\text{NDF}: 642.1/18$

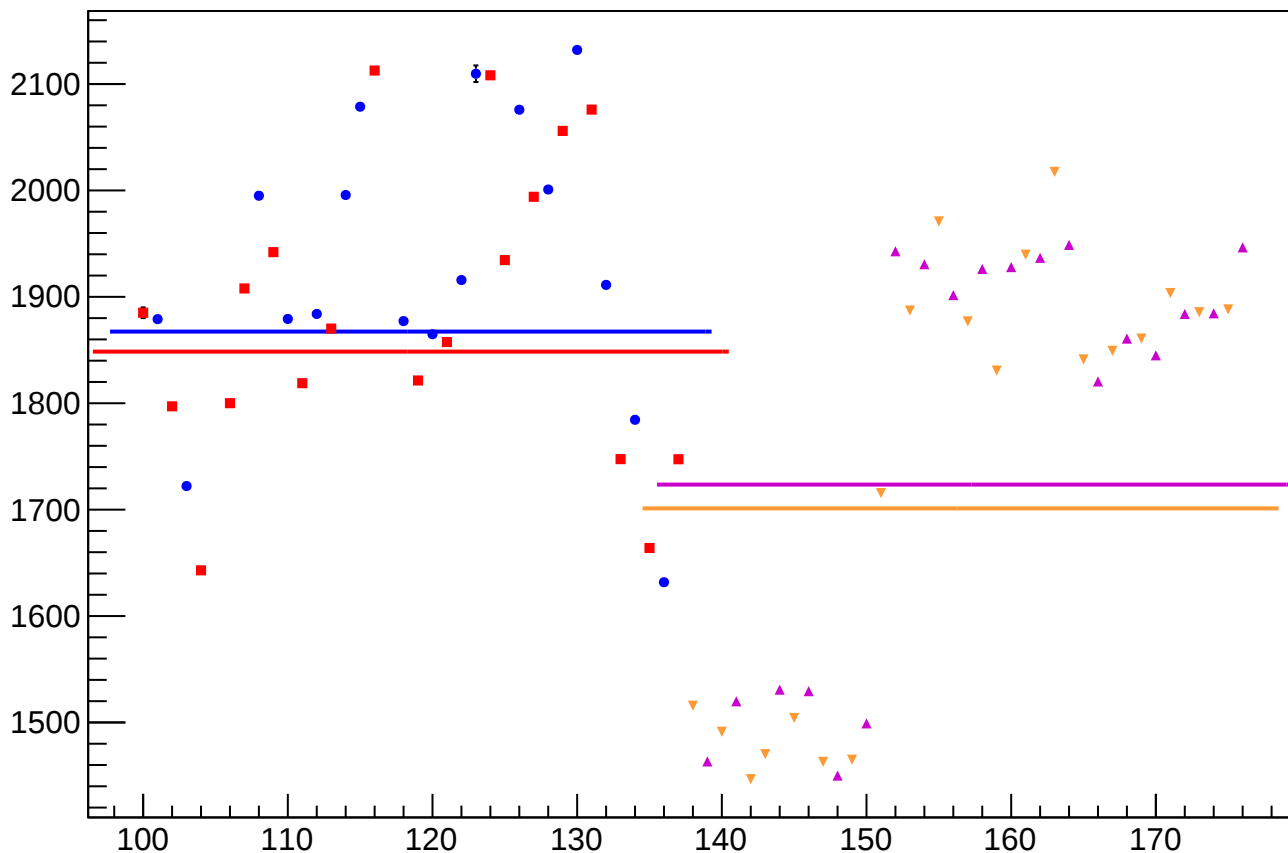
Left In: -1.010 ± 0.454 $\chi^2/\text{NDF}: 668.7/18$

+ sign 3.461 ± 0.377 $\chi^2/\text{NDF}: 1847.4/36$

All: -0.192 ± 0.267 $\chi^2/\text{NDF}: 3482.4/74$

- sign -3.895 ± 0.380 $\chi^2/\text{NDF}: 1445.8/37$

diff_bpm0i05Y_rms vs Slug



Right In: 1867.343 $\pm$ 0.510 χ^2 /NDF: 80926.4/16

Left Out: 1701.163 $\pm$ 0.313 χ^2 /NDF: 427255.2/19

Right Out: 1848.532 $\pm$ 0.490 χ^2 /NDF: 72527.3/18

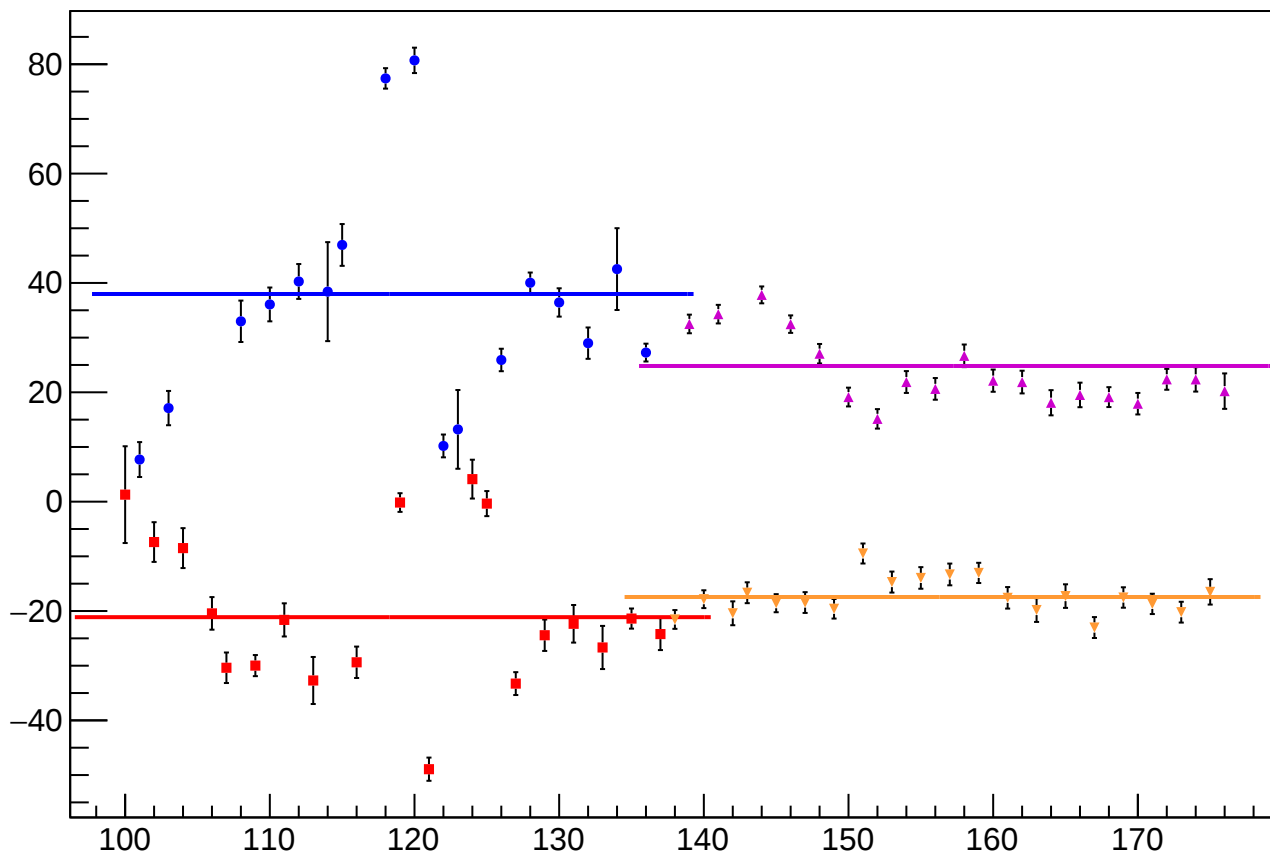
Left In: 1723.559 $\pm$ 0.321 χ^2 /NDF: 406843.5/18

+ sign 1746.503 $\pm$ 0.267 χ^2 /NDF: 585306.7/36

All: 1753.708 $\pm$ 0.189 χ^2 /NDF: 1111652.5/74

- sign 1761.013 $\pm$ 0.268 χ^2 /NDF: 524874.2/37

diff_bpm0i07X_mean vs Slug



Right In: 37.979 ± 0.637 $\chi^2/\text{NDF}: 1204.3/16$

Left Out: -17.437 ± 0.426 $\chi^2/\text{NDF}: 56.5/19$

Right Out: -21.124 ± 0.608 $\chi^2/\text{NDF}: 573.6/18$

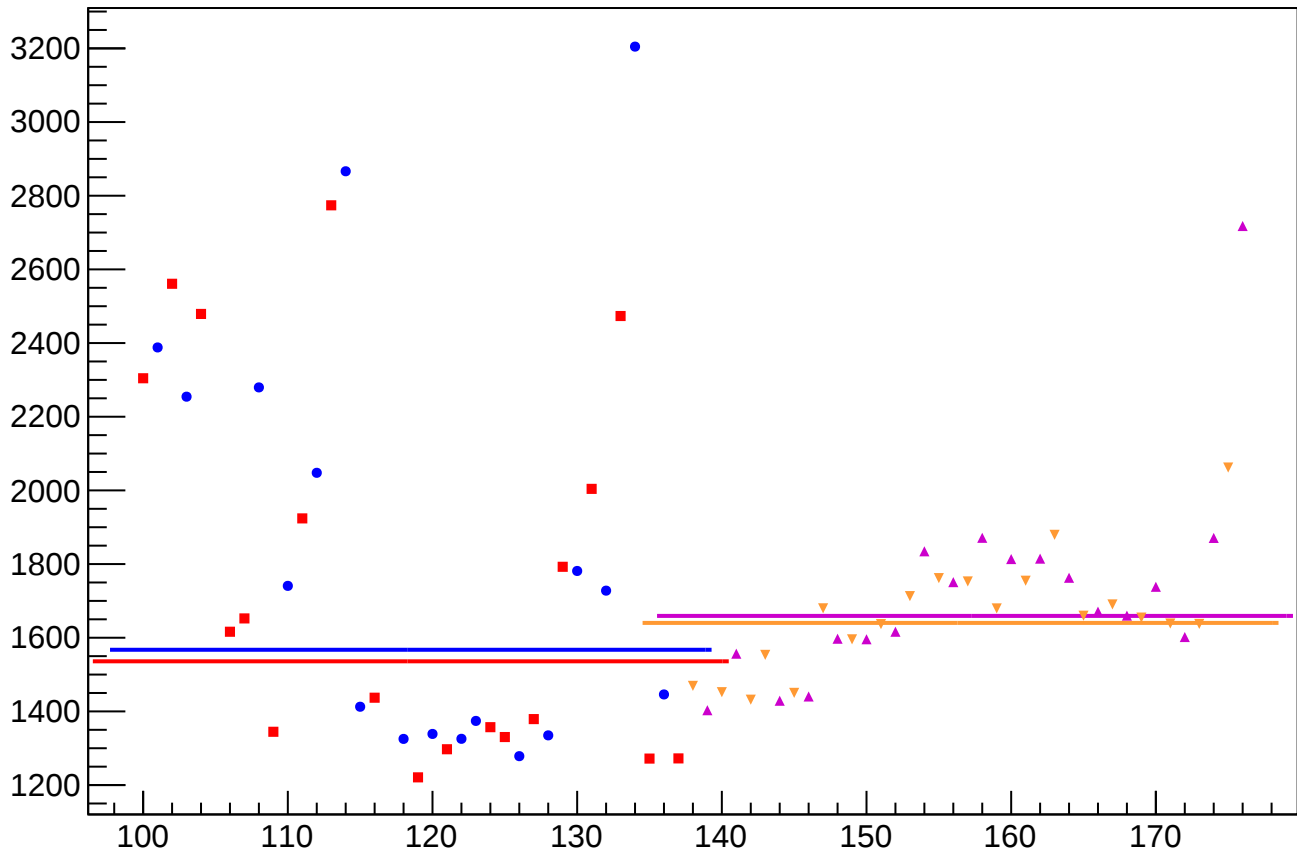
Left In: 24.814 ± 0.438 $\chi^2/\text{NDF}: 239.5/18$

+ sign -0.350 ± 0.354 $\chi^2/\text{NDF}: 6489.4/36$

All: 4.355 ± 0.251 $\chi^2/\text{NDF}: 11410.5/74$

- sign 9.108 ± 0.356 $\chi^2/\text{NDF}: 4565.9/37$

diff_bpm0i07X_rms vs Slug



Right In: 1567.328 $\pm$ 0.451 χ^2 /NDF: 673450.6/16

Left Out: 1640.261 $\pm$ 0.301 χ^2 /NDF:213638.4/19

Right Out: 1535.967 $\pm$ 0.430 χ^2 /NDF: 882098.2/18

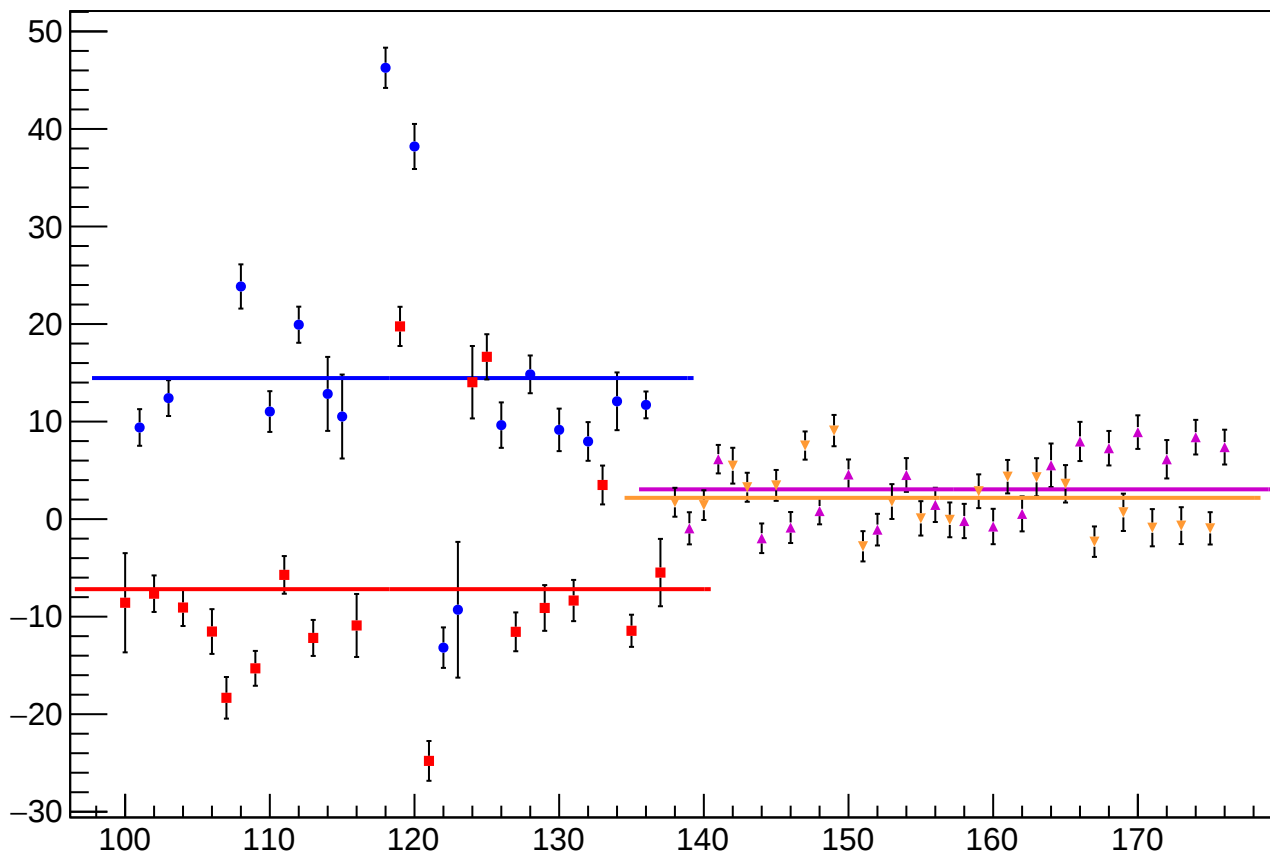
Left In: 1659.275 $\pm$ 0.310 χ^2 /NDF:444656.7/18

+ sign 1617.773 $\pm$ 0.250 χ^2 /NDF: 905202.4/36

All: 1617.447 $\pm$ 0.177 χ^2 /NDF: 2286038.1/74

- sign 1617.118 $\pm$ 0.252 χ^2 /NDF: 1380832.2/37

diff_bpm0i07Y_mean vs Slug



Right In: 14.461 ± 0.523 χ^2/NDF : 595.9/16

Left Out: 2.181 ± 0.376 χ^2/NDF : 71.1/19

Right Out: -7.181 ± 0.494 χ^2/NDF : 495.7/18

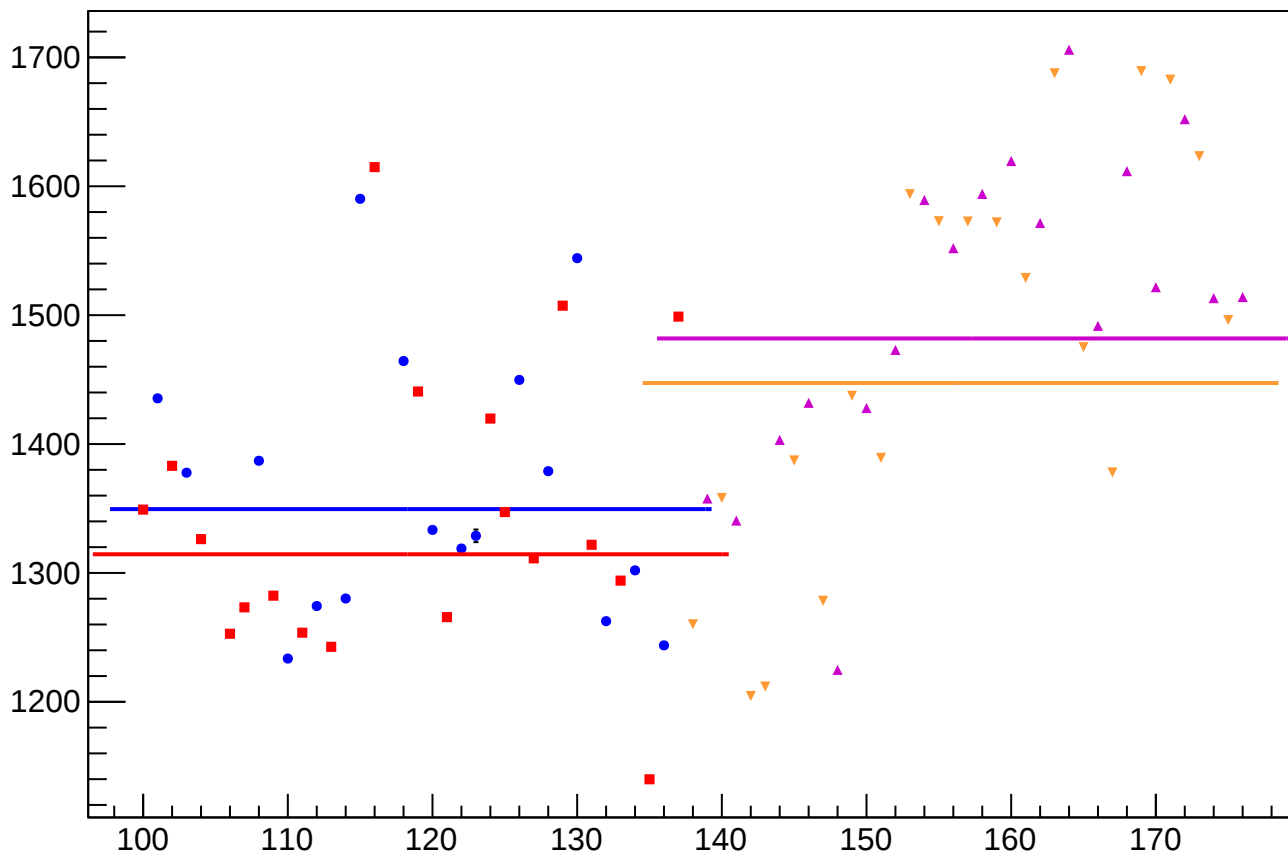
Left In: 3.054 ± 0.389 χ^2/NDF : 90.7/18

+ sign 6.362 ± 0.305 χ^2/NDF : 1030.3/36

All: 2.756 ± 0.216 χ^2/NDF : 2160.8/74

- sign -0.863 ± 0.306 χ^2/NDF : 851.0/37

diff_bpm0i07Y_rms vs Slug



Right In: 1349.522 $\pm$ 0.370 χ^2 /NDF: 64667.6/16

Left Out: 1447.347 $\pm$ 0.266 χ^2 /NDF: 321568.0/19

Right Out: 1314.485 $\pm$ 0.350 χ^2 /NDF: 80952.7/18

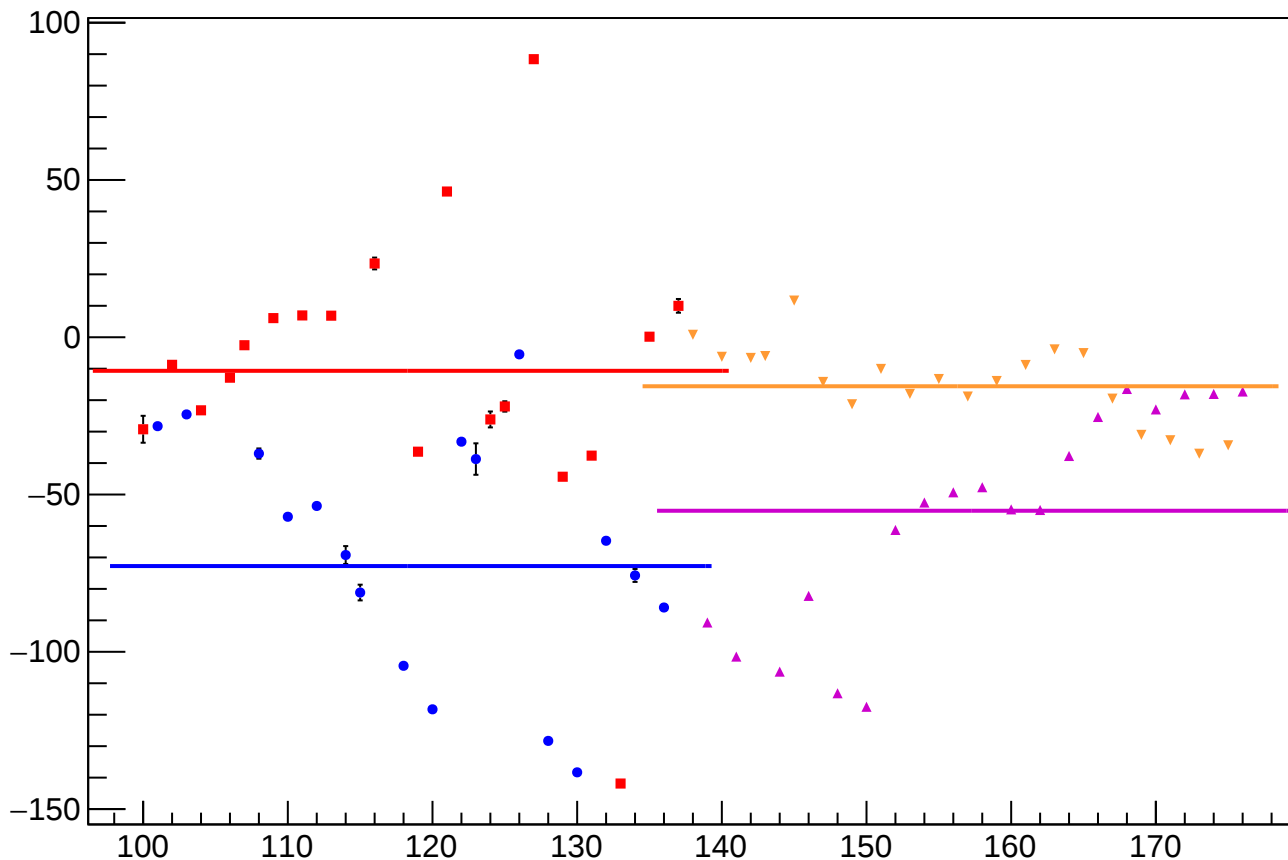
Left In: 1481.926 $\pm$ 0.275 χ^2 /NDF: 195140.4/18

+ sign 1414.041 $\pm$ 0.216 χ^2 /NDF: 432348.4/36

All: 1415.943 $\pm$ 0.153 χ^2 /NDF: 850233.7/74

- sign 1417.852 $\pm$ 0.216 χ^2 /NDF: 417729.7/37

diff_bpm1i02X_mean vs Slug



Right In: -72.741 ± 0.362 χ^2/NDF : 11690.4/16

Left Out: -15.581 ± 0.235 χ^2/NDF : 2875.4/19

Right Out: -10.671 ± 0.352 χ^2/NDF : 18171.0/18

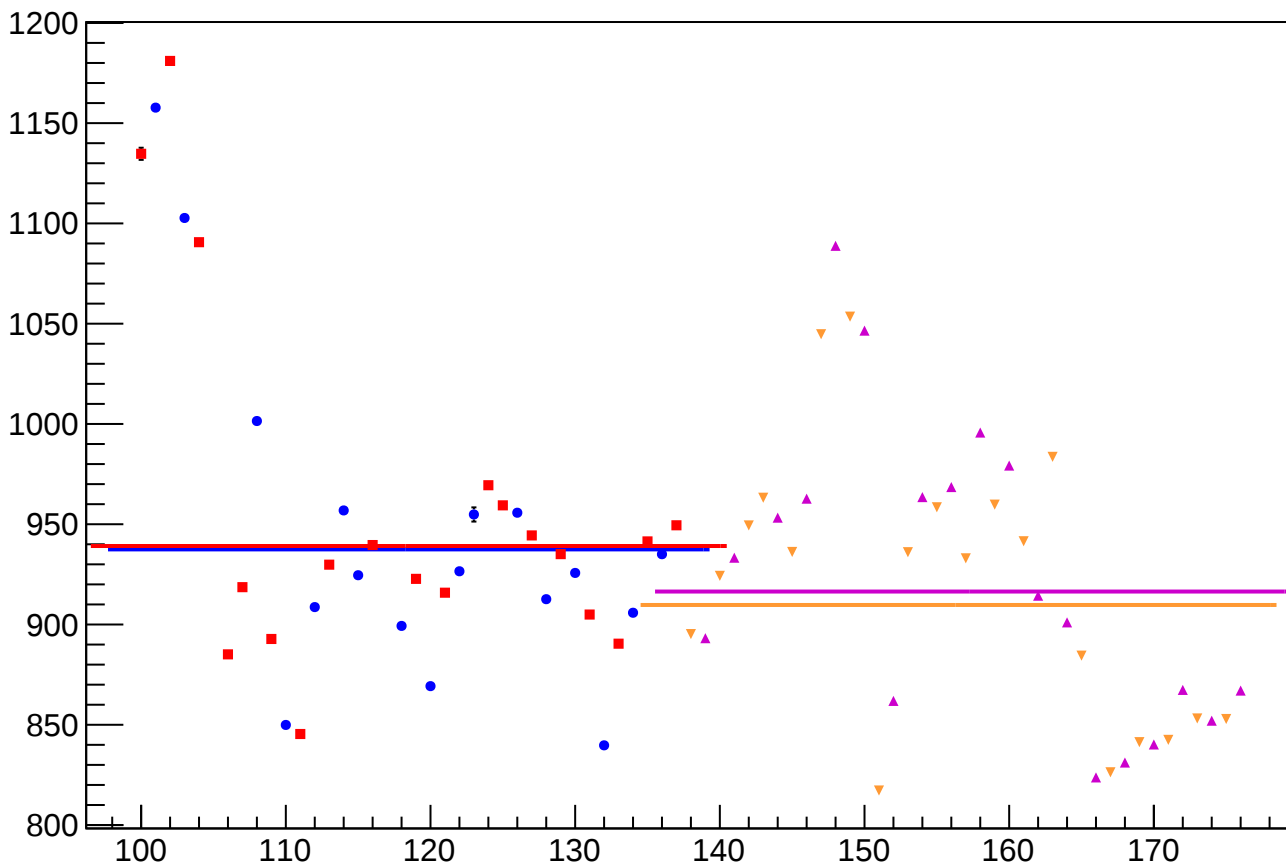
Left In: -55.158 ± 0.240 χ^2/NDF : 19762.7/18

+ sign -32.537 ± 0.197 χ^2/NDF : 32068.1/36

All: -36.763 ± 0.140 χ^2/NDF : 81807.9/74

- sign -41.039 ± 0.198 χ^2/NDF : 48817.1/37

diff_bpm1i02X_rms vs Slug



Right In: 937.454+/-0.256 χ^2/NDF : 98307.6/16

Left Out: 909.741+/-0.166 χ^2/NDF : 156430.0/19

Right Out: 939.140+/-0.249 χ^2/NDF : 90253.2/18

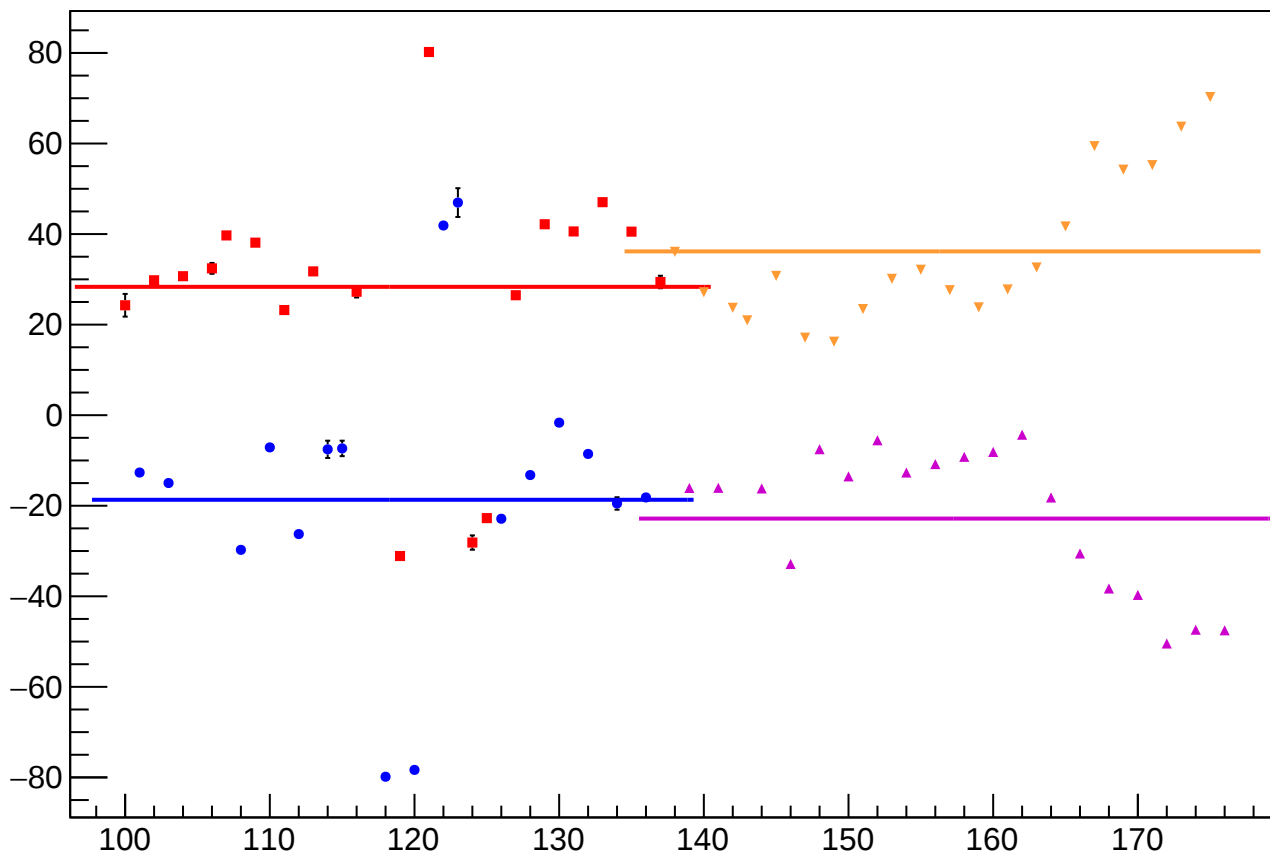
Left In: 916.438+/-0.170 χ^2/NDF : 169823.5/18

+ sign 917.961+/-0.140 χ^2/NDF : 262966.0/36

All: 920.786+/-0.099 χ^2/NDF : 529535.0/74

- sign 923.643+/-0.140 χ^2/NDF : 265744.8/37

diff_bpm1i02Y_mean vs Slug



Right In: -18.683 ± 0.243 χ^2/NDF : 13006.2/16

Left Out: 36.175 ± 0.185 χ^2/NDF : 7791.7/19

Right Out: 28.347 ± 0.235 χ^2/NDF : 12508.1/18

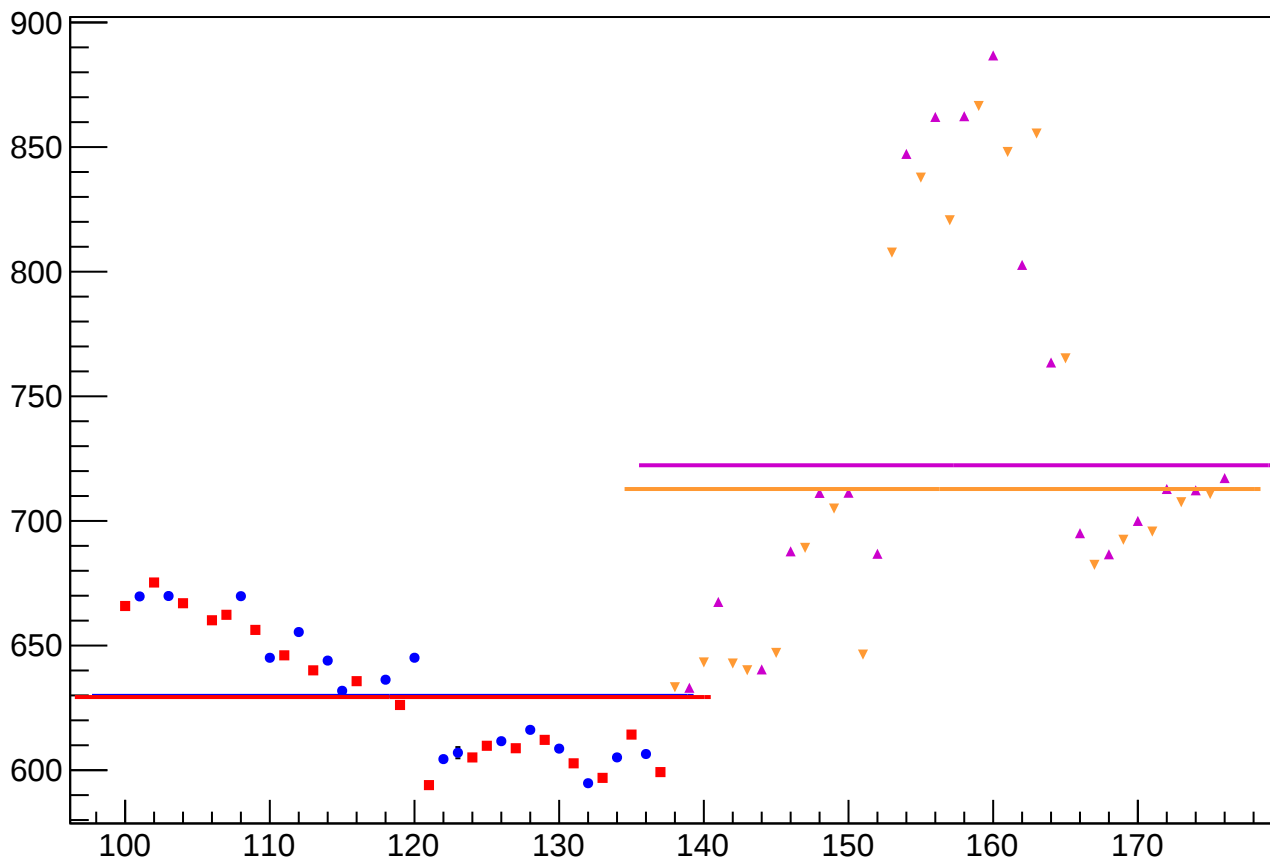
Left In: -22.836 ± 0.190 χ^2/NDF : 6344.5/18

+ sign 16.008 ± 0.147 χ^2/NDF : 53117.1/36

All: 6.708 ± 0.104 χ^2/NDF : 108634.6/74

- sign -2.674 ± 0.148 χ^2/NDF : 47491.2/37

diff_bpm1i02Y_rms vs Slug



Right In: 629.815 $\pm$ 0.172 χ^2 /NDF: 23298.3/16

Left Out: 712.808 $\pm$ 0.131 χ^2 /NDF:332292.8/19

Right Out: 629.340 $\pm$ 0.166 χ^2 /NDF: 25538.5/18

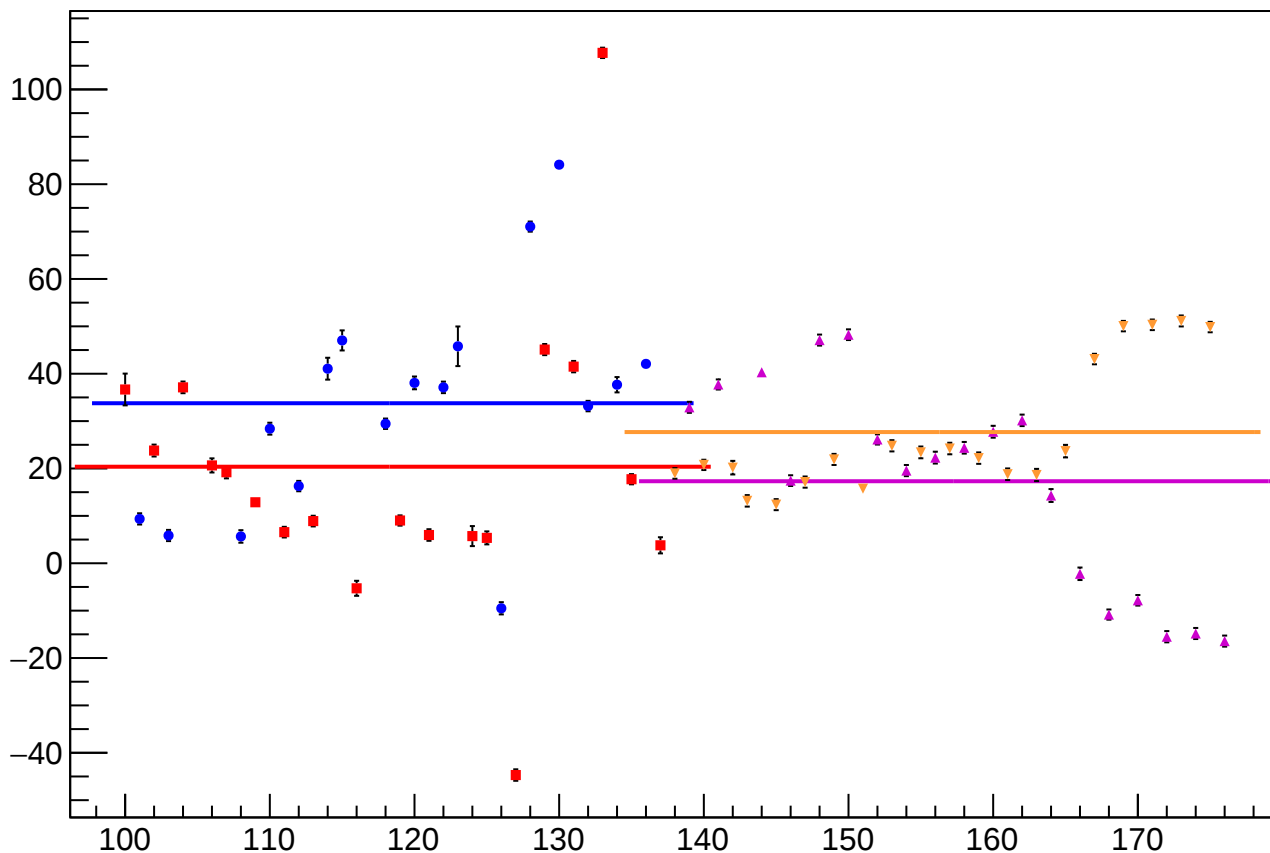
Left In: 722.335 $\pm$ 0.134 χ^2 /NDF:278273.7/18

+ sign 682.298 $\pm$ 0.104 χ^2 /NDF: 503535.6/36

All: 683.993 $\pm$ 0.074 χ^2 /NDF: 996963.1/74

- sign 685.702 $\pm$ 0.104 χ^2 /NDF: 492894.7/37

diff_bpm1i04X_mean vs Slug



Right In: 33.773 $\pm$ 0.300 χ^2 /NDF: 6487.9/16

Left Out: 27.689 $\pm$ 0.263 χ^2 /NDF: 2664.2/19

Right Out: 20.375 $\pm$ 0.293 χ^2 /NDF: 11287.7/18

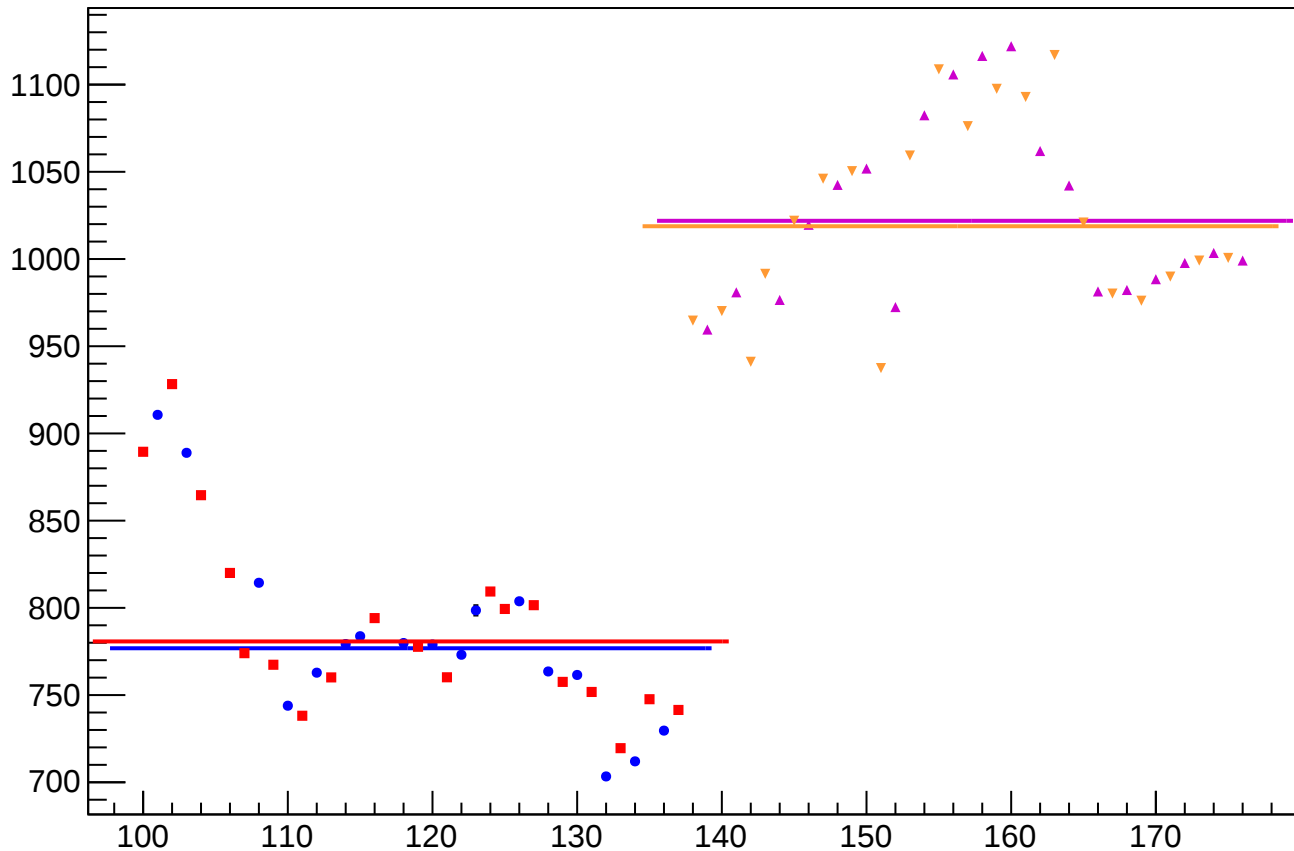
Left In: 17.312 $\pm$ 0.267 χ^2 /NDF: 6501.6/18

+ sign 30.336 $\pm$ 0.198 χ^2 /NDF: 9384.6/36

All: 24.509 $\pm$ 0.140 χ^2 /NDF: 28965.6/74

- sign 18.706 $\pm$ 0.197 χ^2 /NDF: 17848.9/37

diff_bpm1i04X_rms vs Slug



Right In: 776.838 $\pm$ 0.212 χ^2 /NDF: 67487.1/16

Left Out: 1018.793 $\pm$ 0.186 χ^2 /NDF: 82571.8/19

Right Out: 780.755 $\pm$ 0.207 χ^2 /NDF: 57428.9/18

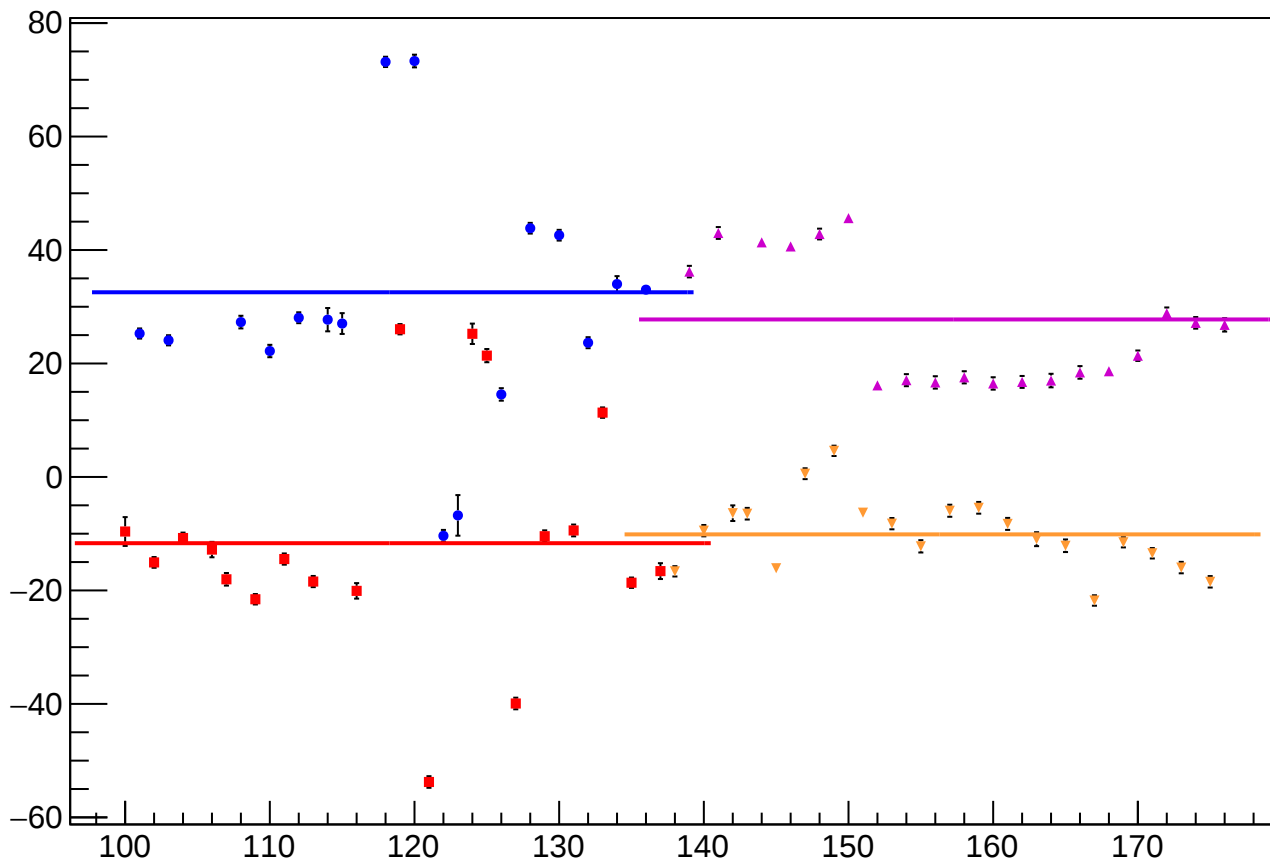
Left In: 1021.909 $\pm$ 0.189 χ^2 /NDF: 68556.3/18

+ sign 913.542 $\pm$ 0.140 χ^2 /NDF: 885601.0/36

All: 912.828 $\pm$ 0.099 χ^2 /NDF: 1752062.5/74

- sign 912.118 $\pm$ 0.140 χ^2 /NDF: 866409.6/37

diff_bpm1i04Y_mean vs Slug



Right In: 32.552 ± 0.253 χ^2/NDF : 6073.0/16

Left Out: -10.120 ± 0.222 χ^2/NDF : 853.0/19

Right Out: -11.674 ± 0.247 χ^2/NDF : 6357.6/18

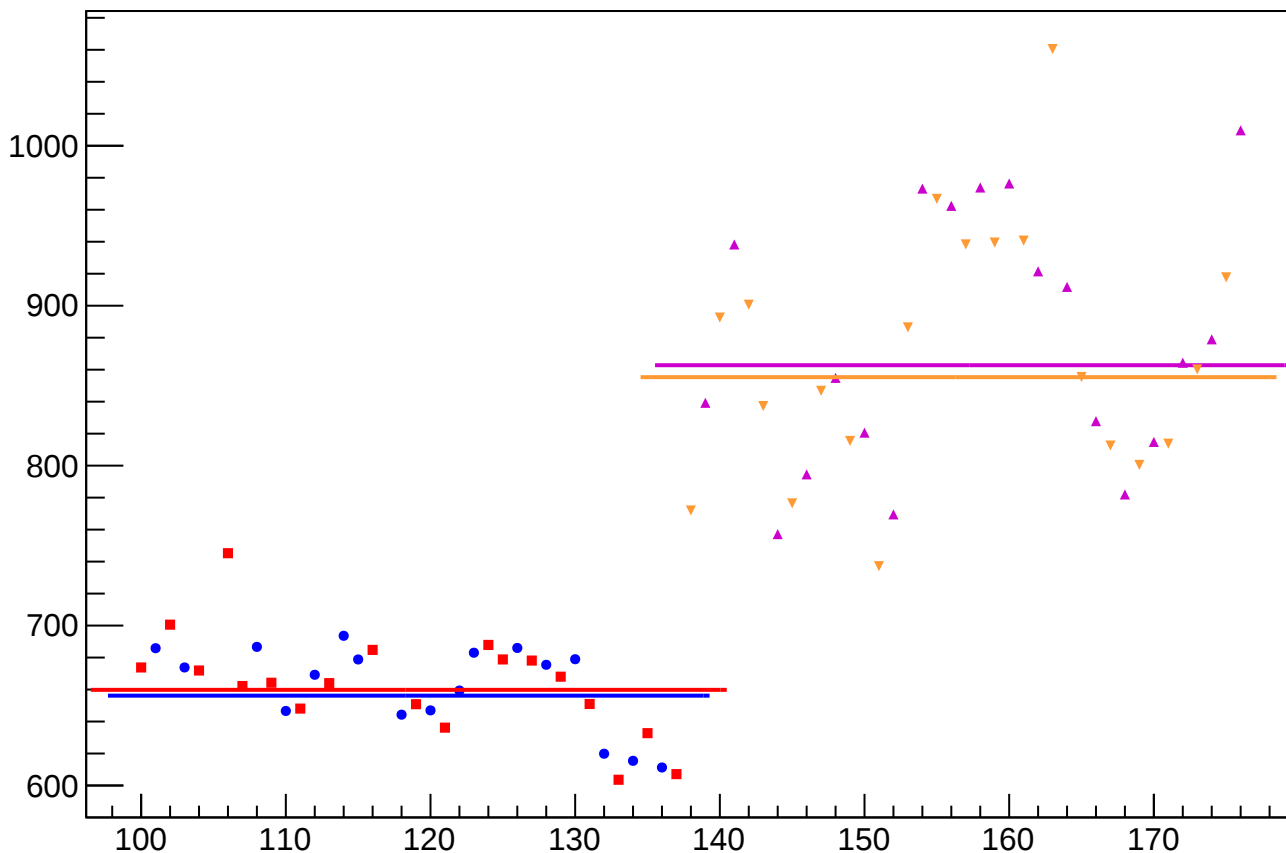
Left In: 27.761 ± 0.227 χ^2/NDF : 2438.8/18

+ sign 8.444 ± 0.167 χ^2/NDF : 23015.6/36

All: 9.072 ± 0.118 χ^2/NDF : 45659.0/74

- sign 9.703 ± 0.167 χ^2/NDF : 22614.9/37

diff_bpm1i04Y_rms vs Slug



Right In: 656.181 ± 0.179 χ^2/NDF : 23569.6/16

Left Out: 855.315 ± 0.157 χ^2/NDF : 224208.9/19

Right Out: 659.813 ± 0.175 χ^2/NDF : 28325.7/18

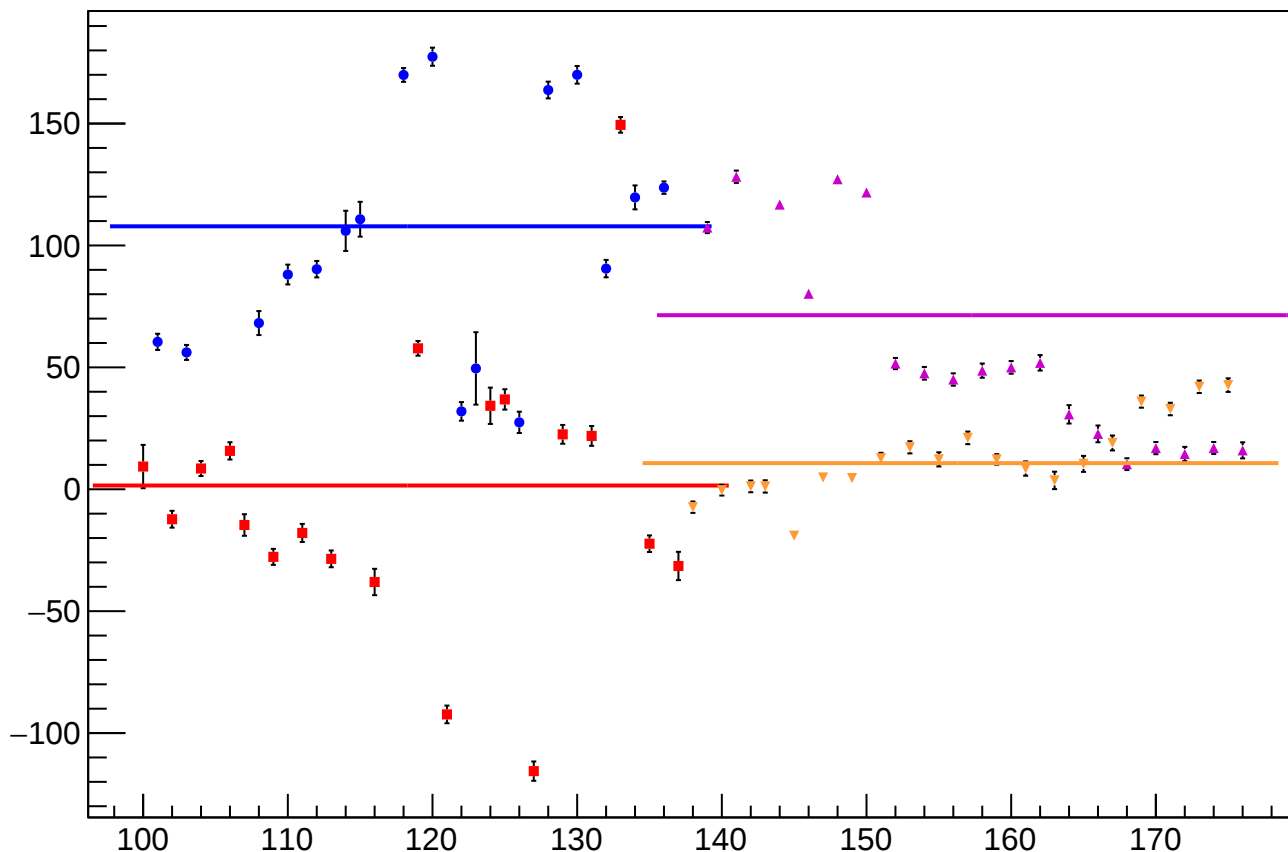
Left In: 862.787 ± 0.161 χ^2/NDF : 232401.8/18

+ sign 768.686 ± 0.118 χ^2/NDF : 948555.0/36

All: 769.263 ± 0.083 χ^2/NDF : 1941507.5/74

- sign 769.842 ± 0.118 χ^2/NDF : 992904.6/37

diff_bpm1i06X_mean vs Slug



Right In: 107.852 ± 0.922 χ^2/NDF : 2809.0/16

Left Out: 10.712 ± 0.539 χ^2/NDF : 849.0/19

Right Out: 1.542 ± 0.883 χ^2/NDF : 4523.8/18

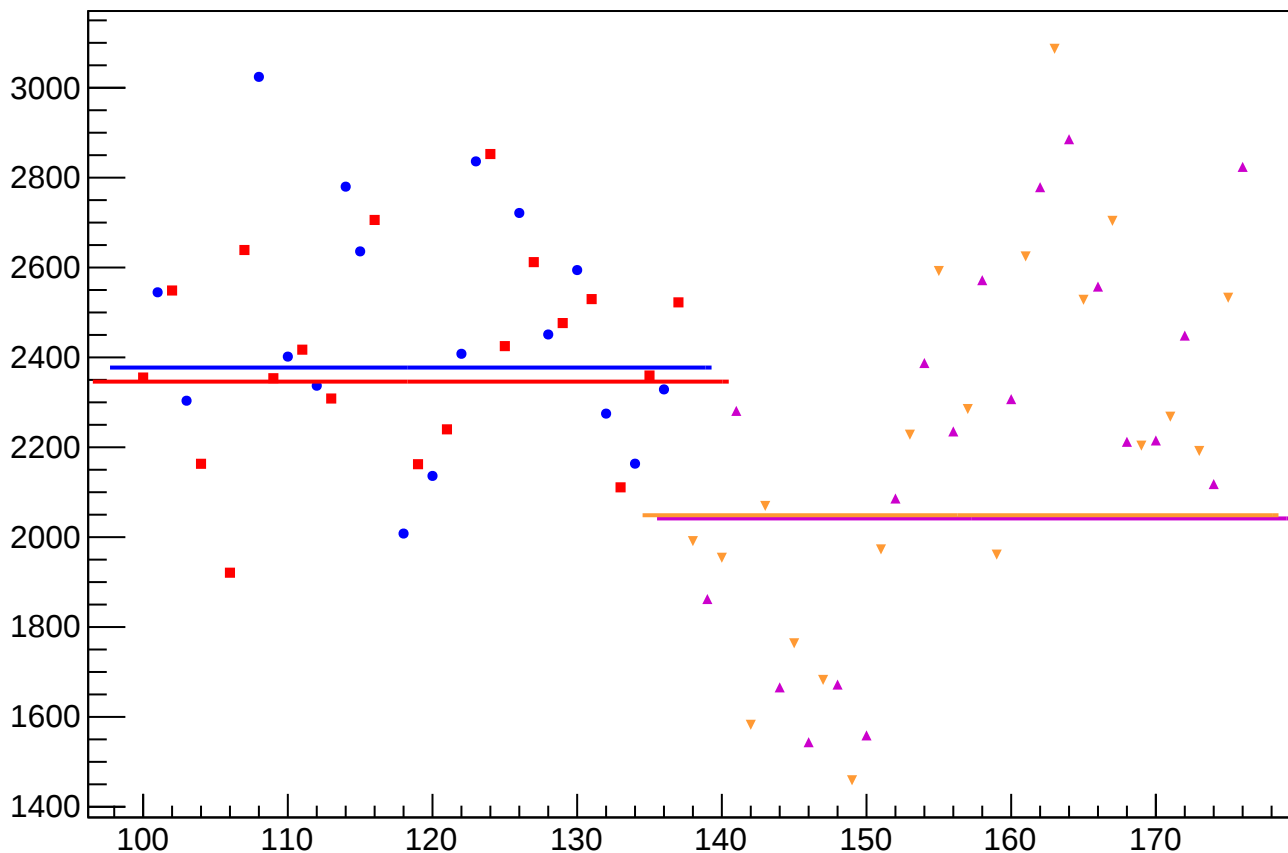
Left In: 71.398 ± 0.547 χ^2/NDF : 6172.3/18

+ sign 35.502 ± 0.466 χ^2/NDF : 11933.7/36

All: 43.772 ± 0.329 χ^2/NDF : 27780.5/74

- sign 52.028 ± 0.465 χ^2/NDF : 15216.2/37

diff_bpm1i06X_rms vs Slug



Right In: 2377.423+/-0.652 χ^2/NDF : 119648.6/16

Left Out: 2048.781+/-0.381 χ^2/NDF : 1023570.2/19

Right Out: 2346.121+/-0.625 χ^2/NDF : 108257.3/18

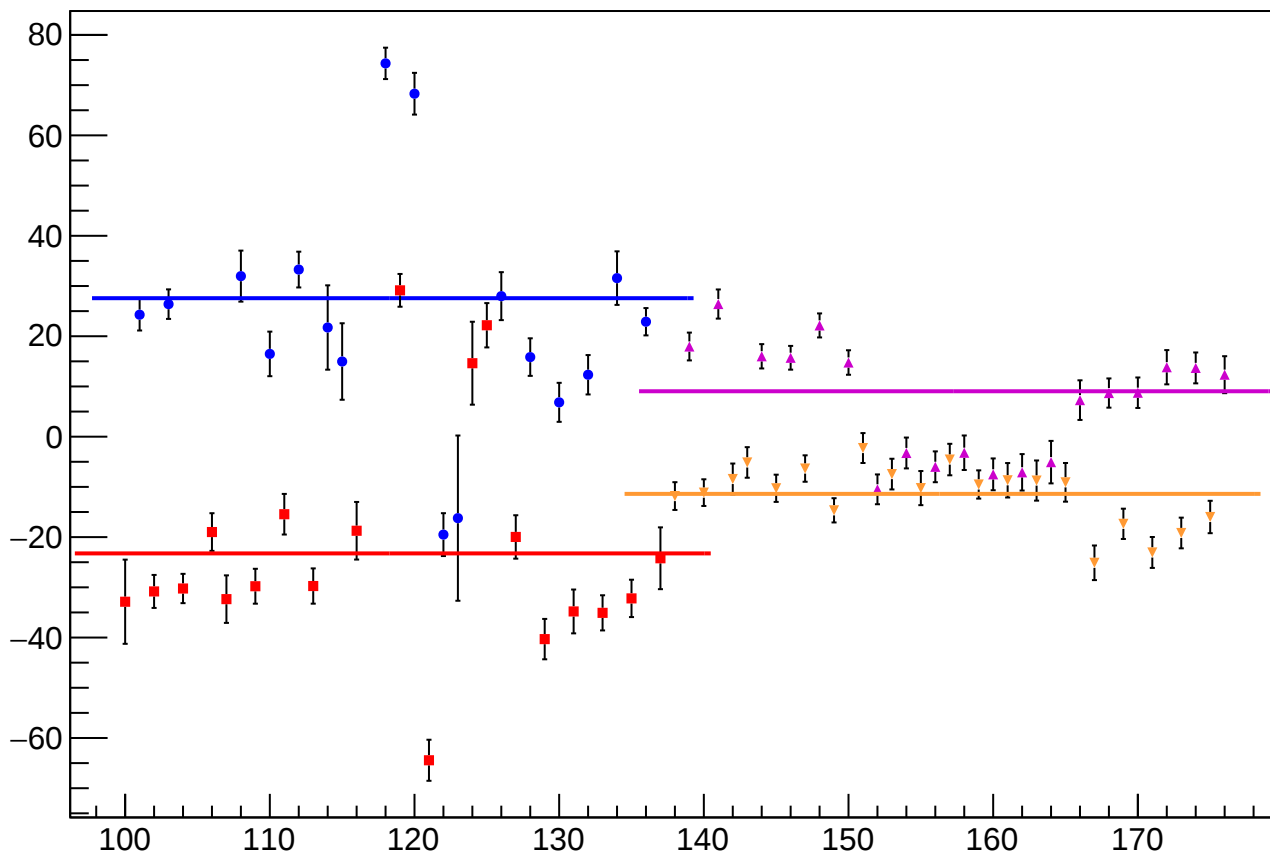
Left In: 2041.661+/-0.387 χ^2/NDF : 1086437.9/18

+ sign 2132.651+/-0.329 χ^2/NDF : 1332666.4/36

All: 2129.365+/-0.233 χ^2/NDF : 2699284.4/74

- sign 2126.083+/-0.329 χ^2/NDF : 1366418.7/37

diff_bpm1i06Y_mean vs Slug



Right In: 27.577 ± 0.975 χ^2/NDF : 519.6/16

Left Out: -11.390 ± 0.676 χ^2/NDF : 71.3/19

Right Out: -23.243 ± 0.927 χ^2/NDF : 557.9/18

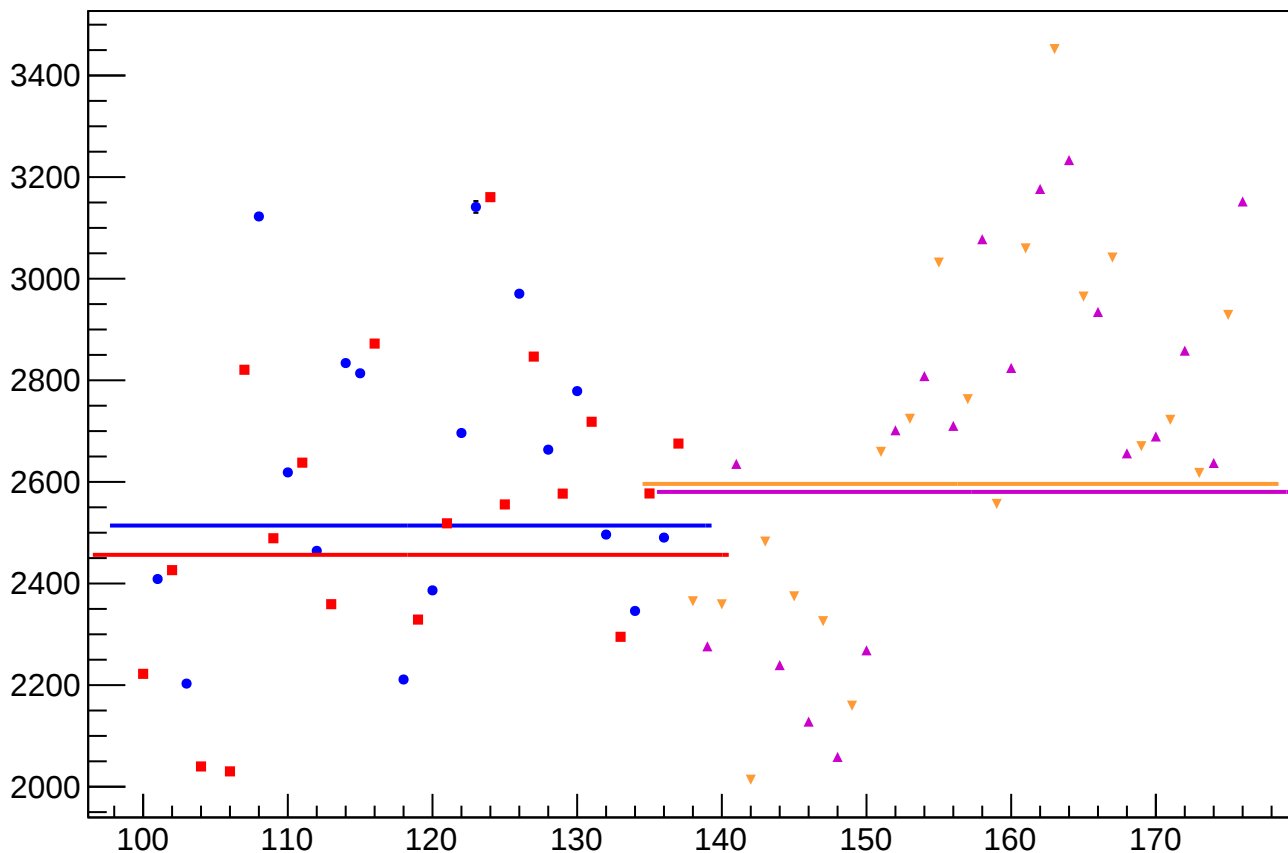
Left In: 9.044 ± 0.684 χ^2/NDF : 257.4/18

+ sign 1.255 ± 0.555 χ^2/NDF : 1670.3/36

All: -0.554 ± 0.391 χ^2/NDF : 3292.4/74

- sign -2.330 ± 0.550 χ^2/NDF : 1601.0/37

diff_bpm1i06Y_rms vs Slug



Right In: 2514.088+/-0.689 χ^2/NDF : 120961.3/16

Left Out: 2596.090+/-0.478 χ^2/NDF : 453300.7/19

Right Out: 2456.460+/-0.655 χ^2/NDF : 149732.7/18

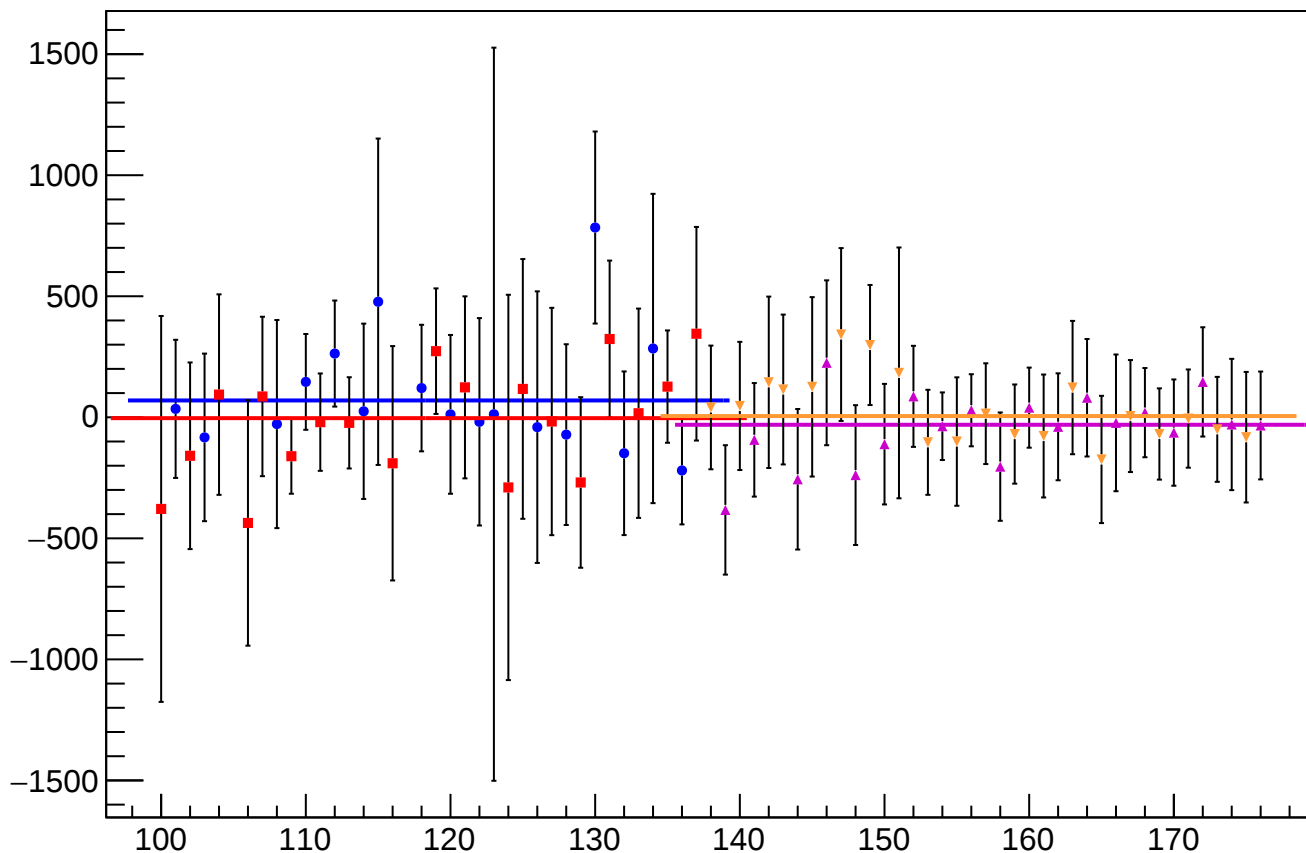
Left In: 2580.306+/-0.483 χ^2/NDF : 521211.5/18

+ sign 2569.479+/-0.393 χ^2/NDF : 583822.7/36

All: 2552.927+/-0.276 χ^2/NDF : 1281410.2/74

- sign 2536.676+/-0.389 χ^2/NDF : 694065.7/37

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: 5.051+/-56.357 χ^2/NDF : 4.5/19

Right Out: -3.562+/-69.980 χ^2/NDF : 6.4/18

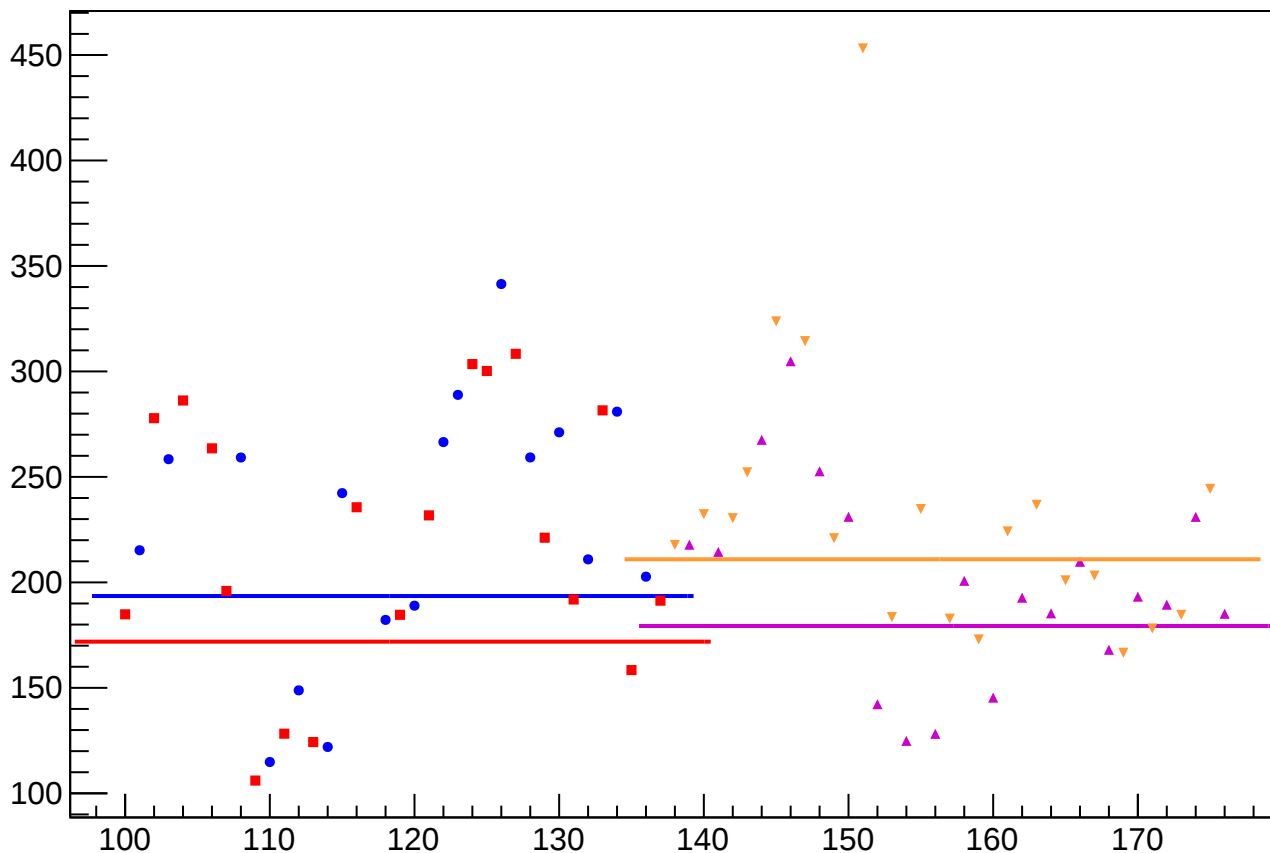
Left In: -30.915+/-49.372 χ^2/NDF : 5.8/18

+ sign 26.809+/-45.884 χ^2/NDF : 12.2/36

All: -0.621+/-30.297 χ^2/NDF : 25.1/74

- sign -21.825+/-40.342 χ^2/NDF : 12.3/37

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: 210.951 $\pm$ 0.040 χ^2 /NDF:1253837.1/19

Right Out: 171.901 $\pm$ 0.049 χ^2 /NDF: 1576883.7/18

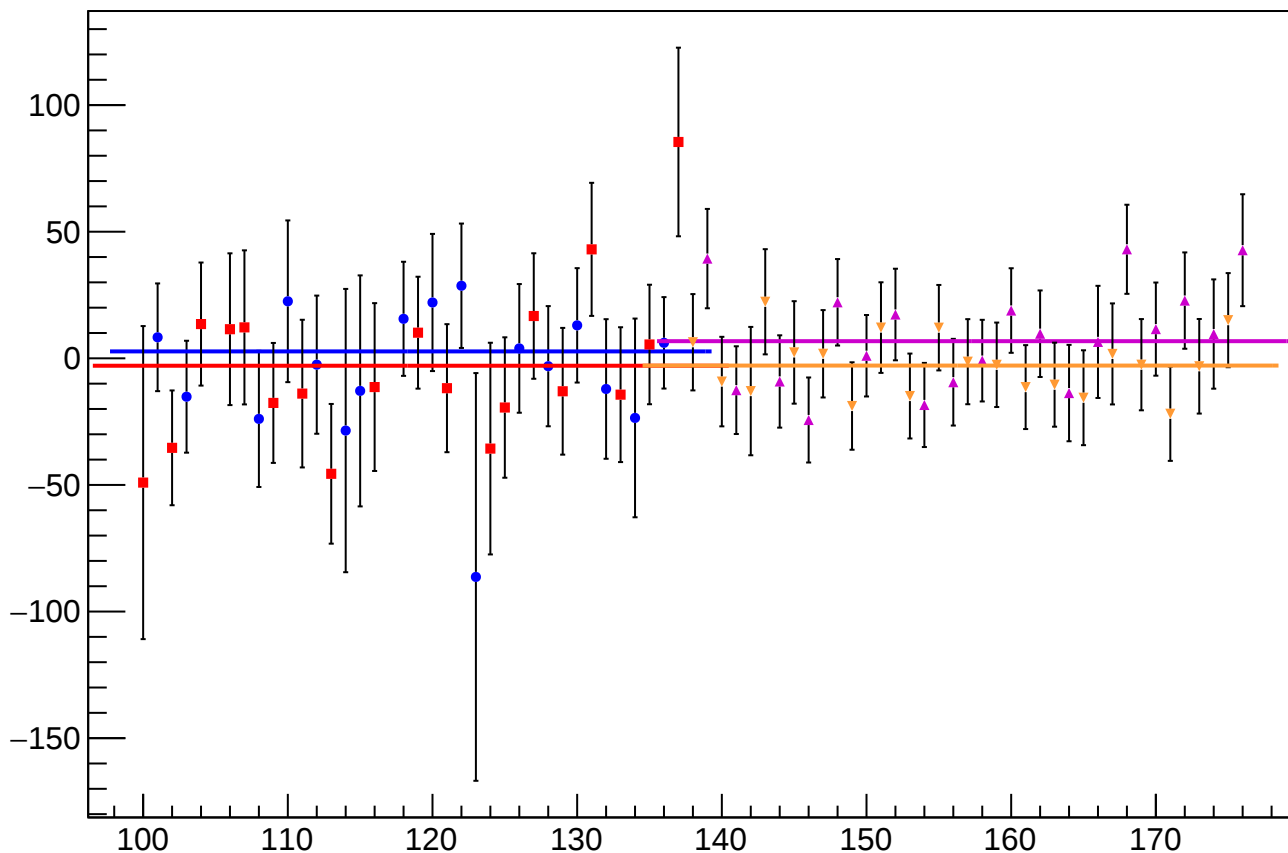
Left In: 179.325 $\pm$ 0.035 χ^2 /NDF:1589452.8/18

+ sign 205.079 $\pm$ 0.032 χ^2 /NDF: 2328673.0/36

All: 189.162 $\pm$ 0.021 χ^2 /NDF: 5936765.4/74

- sign 176.857 $\pm$ 0.029 χ^2 /NDF: 3181365.0/37

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.733 ± 6.424 $\chi^2/\text{NDF}: 6.8/16$

Left Out: -2.860 ± 4.059 $\chi^2/\text{NDF}: 8.0/19$

Right Out: -2.928 ± 6.279 $\chi^2/\text{NDF}: 17.8/18$

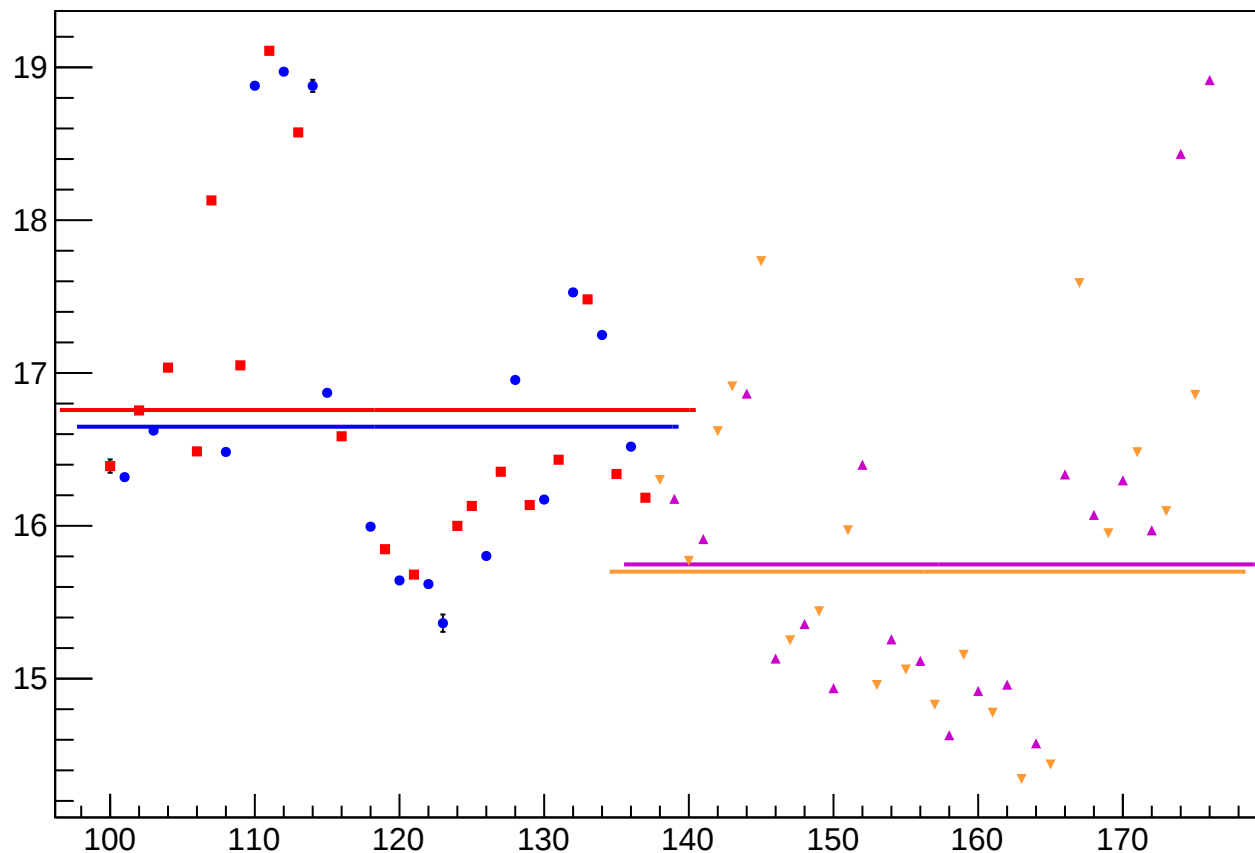
Left In: 6.773 ± 4.128 $\chi^2/\text{NDF}: 22.3/18$

+ sign -1.264 ± 3.431 $\chi^2/\text{NDF}: 15.3/36$

All: 1.277 ± 2.433 $\chi^2/\text{NDF}: 58.1/74$

- sign 3.845 ± 3.449 $\chi^2/\text{NDF}: 41.7/37$

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: 15.700 $\pm$ 0.003 χ^2 /NDF:107333.7/19

Right Out: 16.758 $\pm$ 0.004 χ^2 /NDF: 39950.7/18

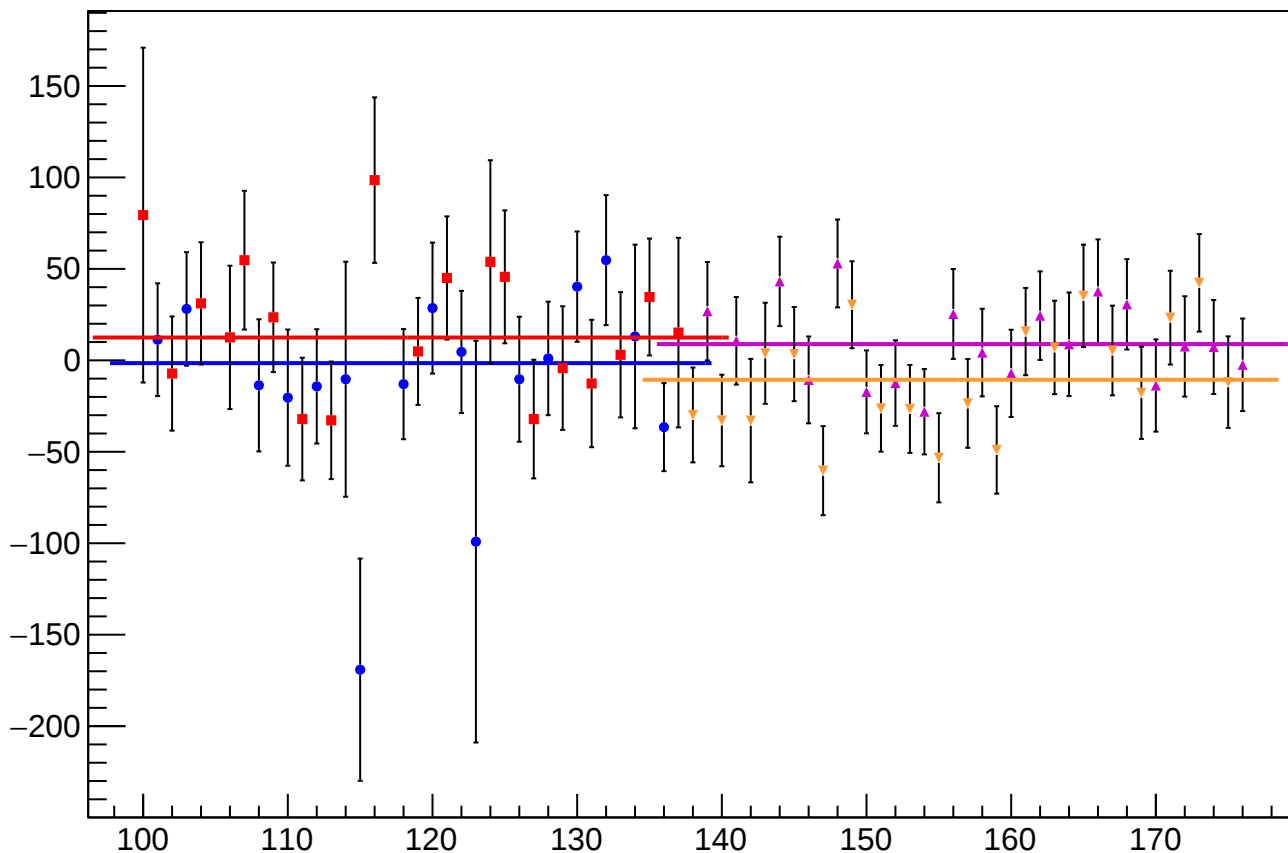
Left In: 15.748 $\pm$ 0.003 χ^2 /NDF:127137.5/18

+ sign 15.971 $\pm$ 0.002 χ^2 /NDF: 181063.5/36

All: 16.011 $\pm$ 0.002 χ^2 /NDF: 384864.4/74

- sign 16.052 $\pm$ 0.002 χ^2 /NDF: 203235.4/37

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: -10.615 ± 5.660 χ^2/NDF : 26.9/19

Right Out: 12.475 ± 8.210 χ^2/NDF : 15.6/18

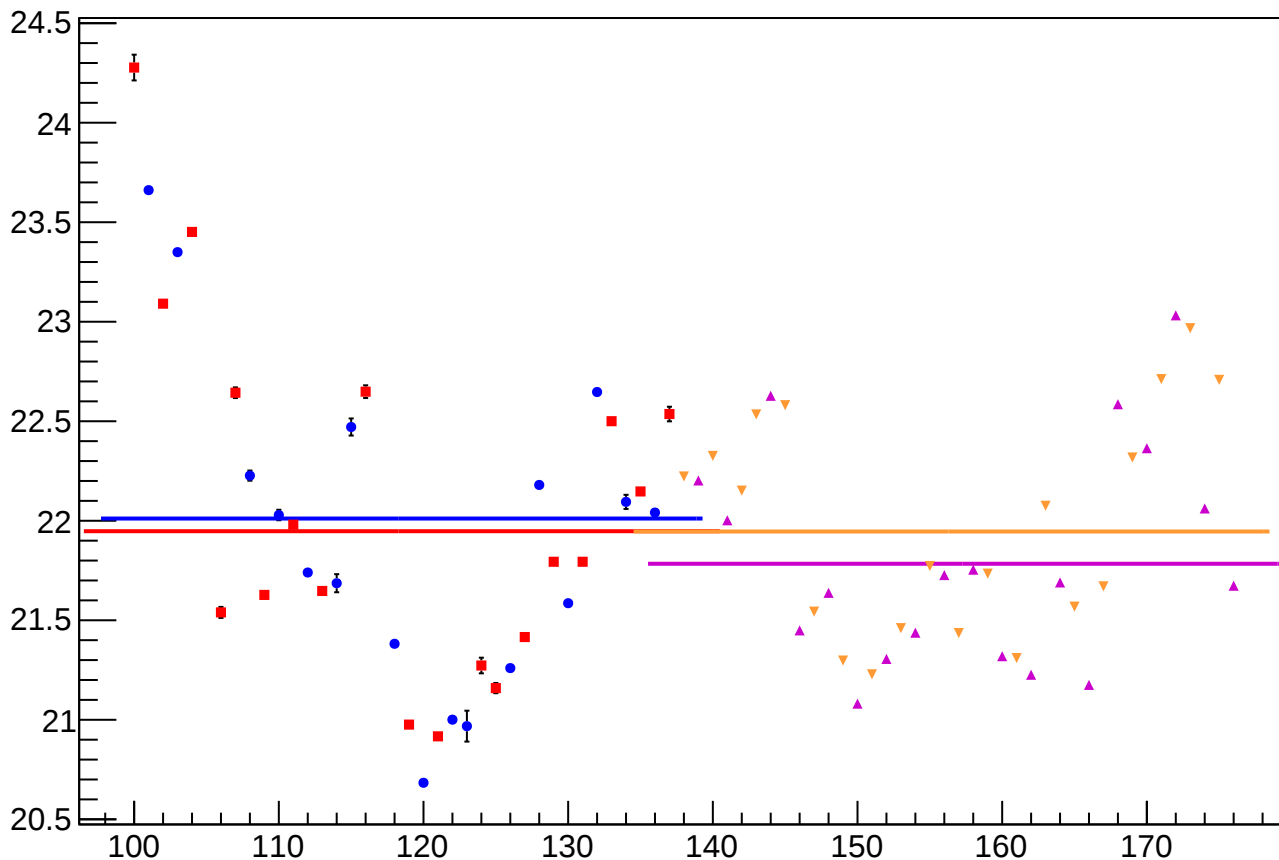
Left In: 8.896 ± 5.691 χ^2/NDF : 15.3/18

+ sign -7.815 ± 4.709 χ^2/NDF : 45.3/36

All: 1.180 ± 3.318 χ^2/NDF : 83.6/74

- sign 10.057 ± 4.677 χ^2/NDF : 31.0/37

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: 21.946 $\pm$ 0.004 χ^2 /NDF:17814.1/19

Right Out: 21.947 $\pm$ 0.006 χ^2 /NDF: 16592.7/18

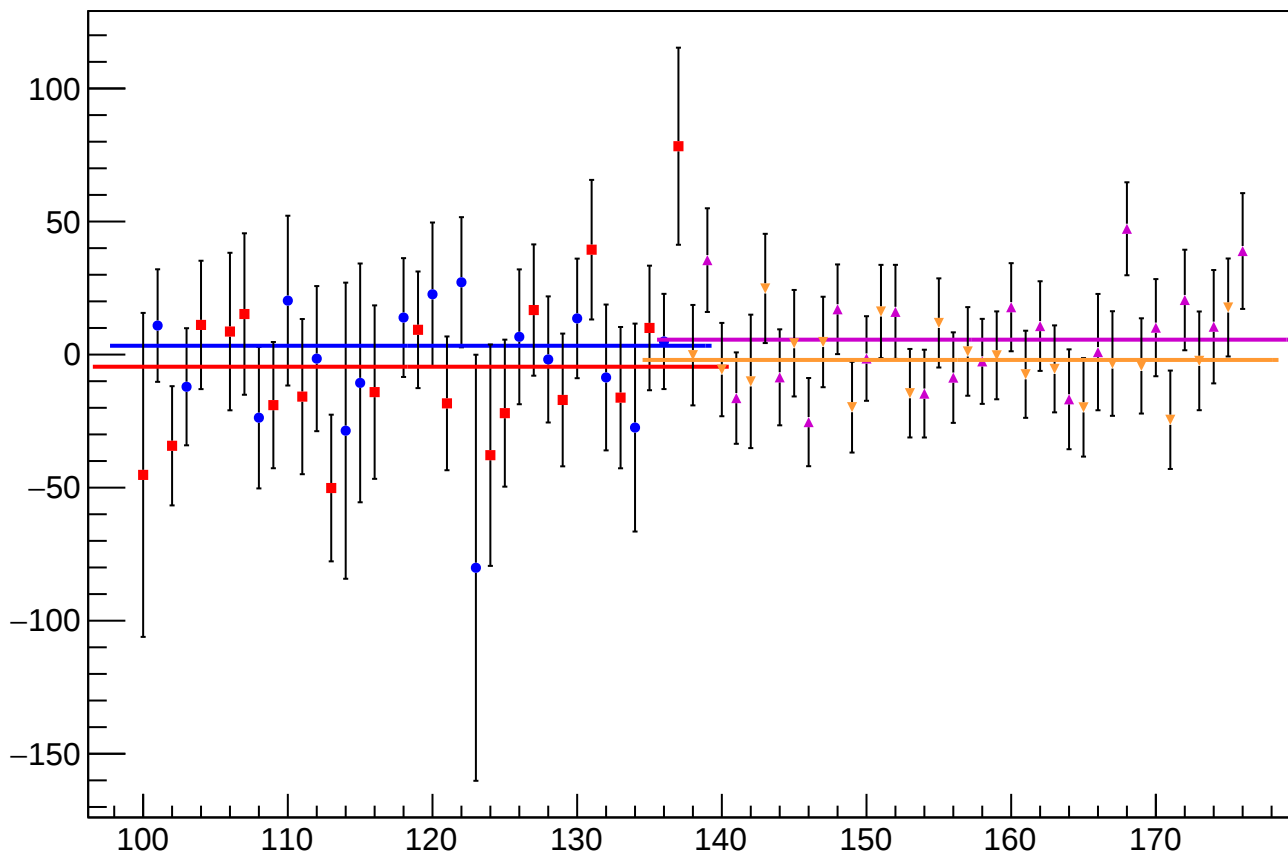
Left In: 21.784 $\pm$ 0.004 χ^2 /NDF:17049.9/18

+ sign 21.966 $\pm$ 0.003 χ^2 /NDF: 35442.7/36

All: 21.901 $\pm$ 0.002 χ^2 /NDF: 70377.5/74

- sign 21.837 $\pm$ 0.003 χ^2 /NDF: 34178.6/37

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: -2.011 ± 4.016 χ^2/NDF : 9.3/19

Right Out: -4.561 ± 6.244 χ^2/NDF : 17.7/18

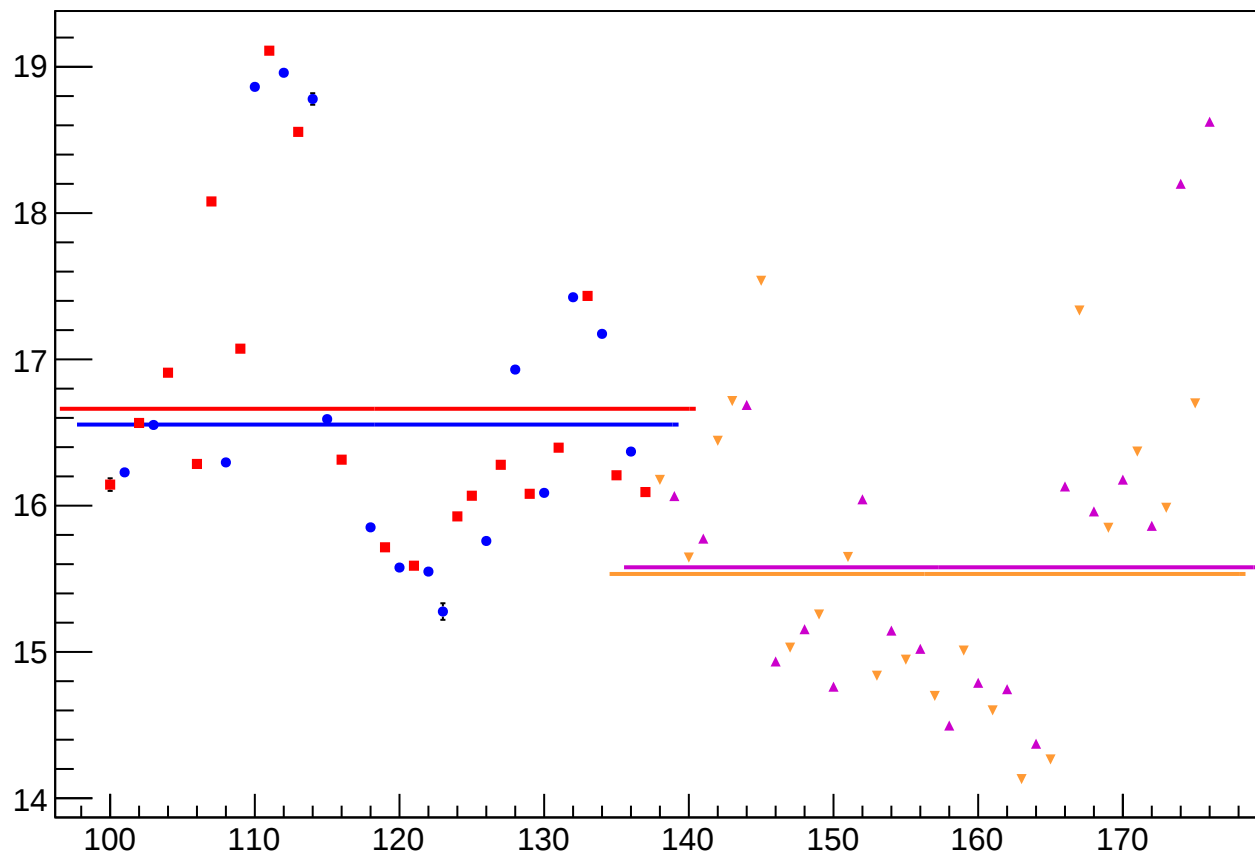
Left In: 5.605 ± 4.083 χ^2/NDF : 22.5/18

+ sign -0.502 ± 3.400 χ^2/NDF : 16.1/36

All: 1.020 ± 2.410 χ^2/NDF : 58.5/74

- sign 2.559 ± 3.417 χ^2/NDF : 42.0/37

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: 15.533 $\pm$ 0.003 χ^2 /NDF: 108409.6/19

Right Out: 16.662 $\pm$ 0.004 χ^2 /NDF: 43063.6/18

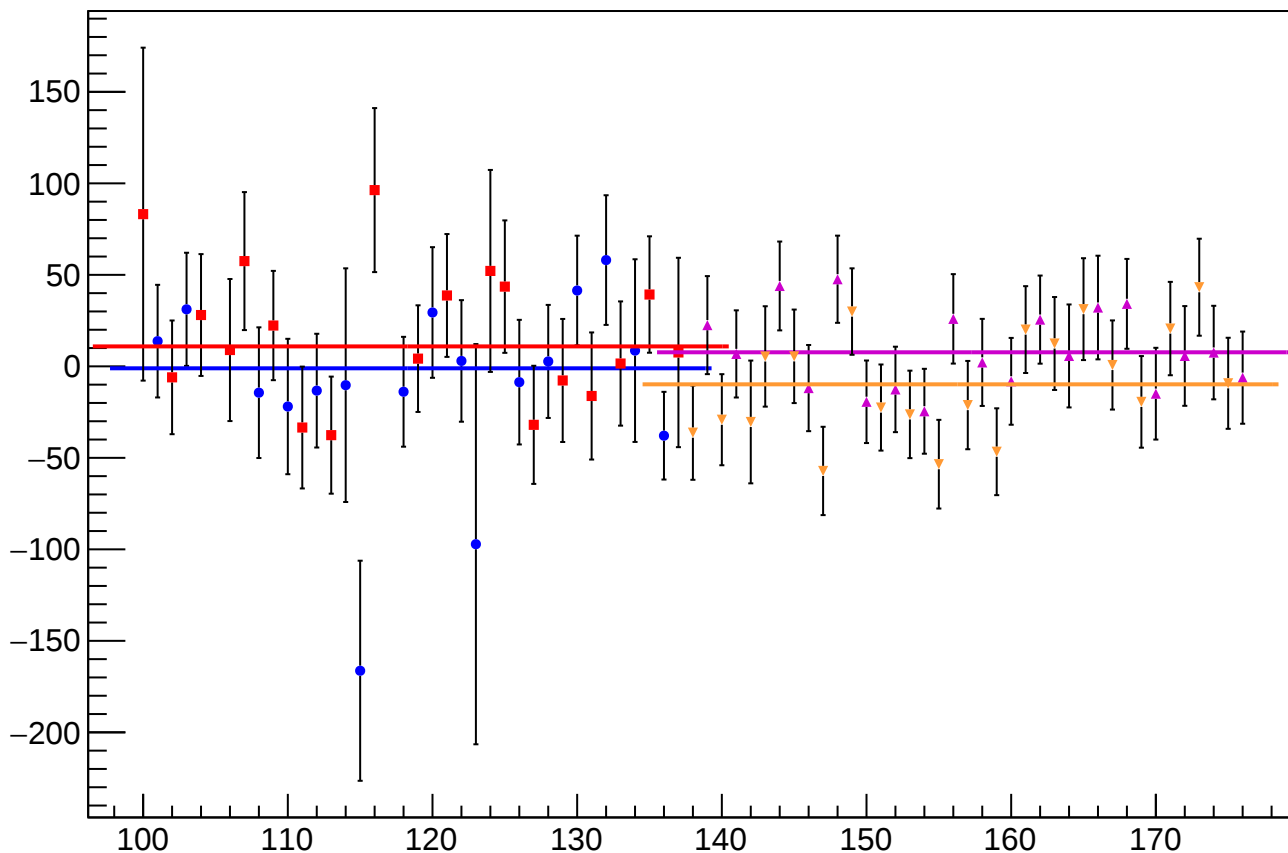
Left In: 15.579 $\pm$ 0.003 χ^2 /NDF: 124756.9/18

+ sign 15.822 $\pm$ 0.002 χ^2 /NDF: 189524.6/36

All: 15.863 $\pm$ 0.002 χ^2 /NDF: 400103.8/74

- sign 15.903 $\pm$ 0.002 χ^2 /NDF: 210014.3/37

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -1.068 ± 8.444 χ^2/NDF : 18.5/16

Left Out: -9.823 ± 5.624 χ^2/NDF : 26.3/19

Right Out: 10.900 ± 8.169 χ^2/NDF : 16.2/18

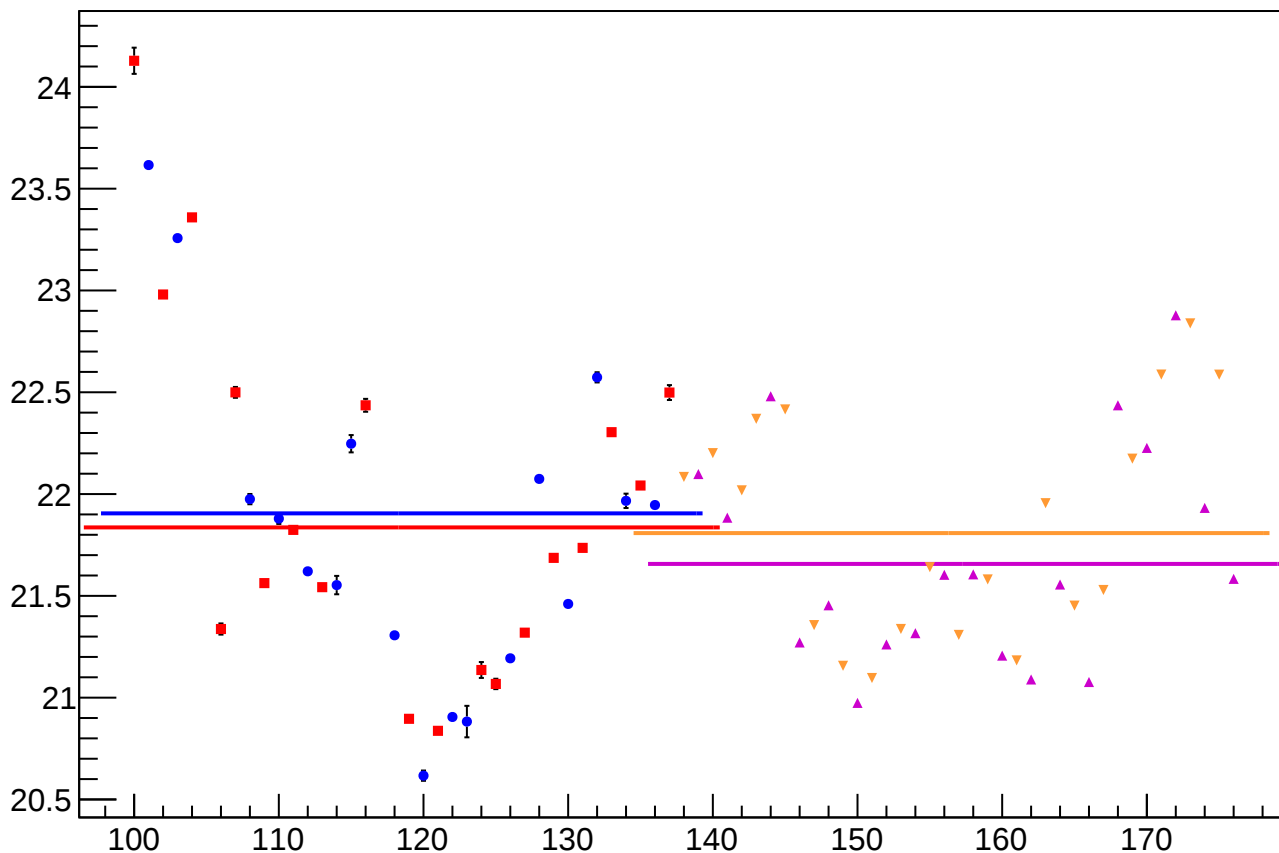
Left In: 7.682 ± 5.658 χ^2/NDF : 14.8/18

+ sign -7.133 ± 4.681 χ^2/NDF : 45.5/36

All: 0.847 ± 3.299 χ^2/NDF : 82.5/74

- sign 8.725 ± 4.651 χ^2/NDF : 31.2/37

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: 21.808 $\pm$ 0.004 χ^2 /NDF: 18059.5/19

Right Out: 21.836 $\pm$ 0.006 χ^2 /NDF: 16251.2/18

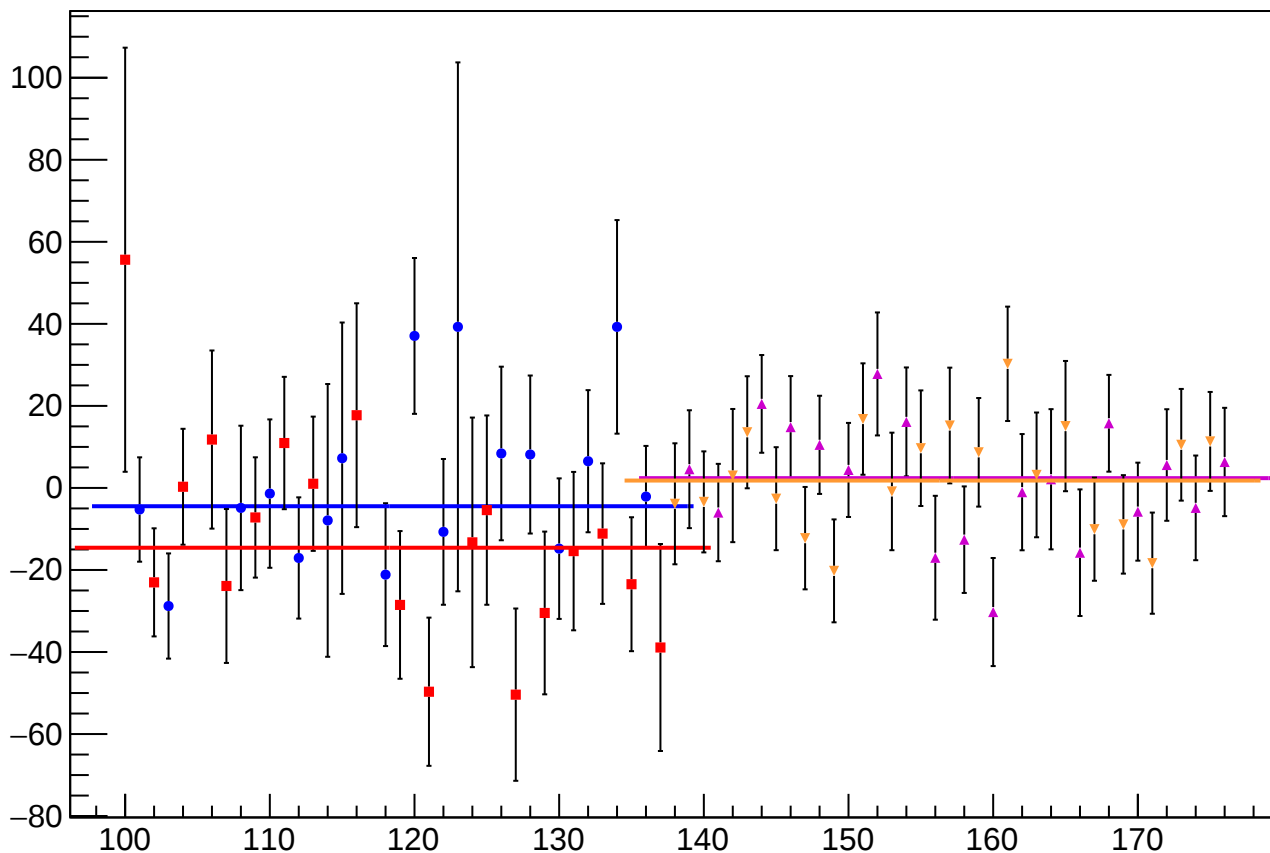
Left In: 21.657 $\pm$ 0.004 χ^2 /NDF: 16574.7/18

+ sign 21.838 $\pm$ 0.003 χ^2 /NDF: 36036.0/36

All: 21.776 $\pm$ 0.002 χ^2 /NDF: 70208.6/74

- sign 21.715 $\pm$ 0.003 χ^2 /NDF: 33477.1/37

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: 1.801 ± 3.001 χ^2/NDF : 18.5/19

Right Out: -14.579 ± 4.264 χ^2/NDF : 19.5/18

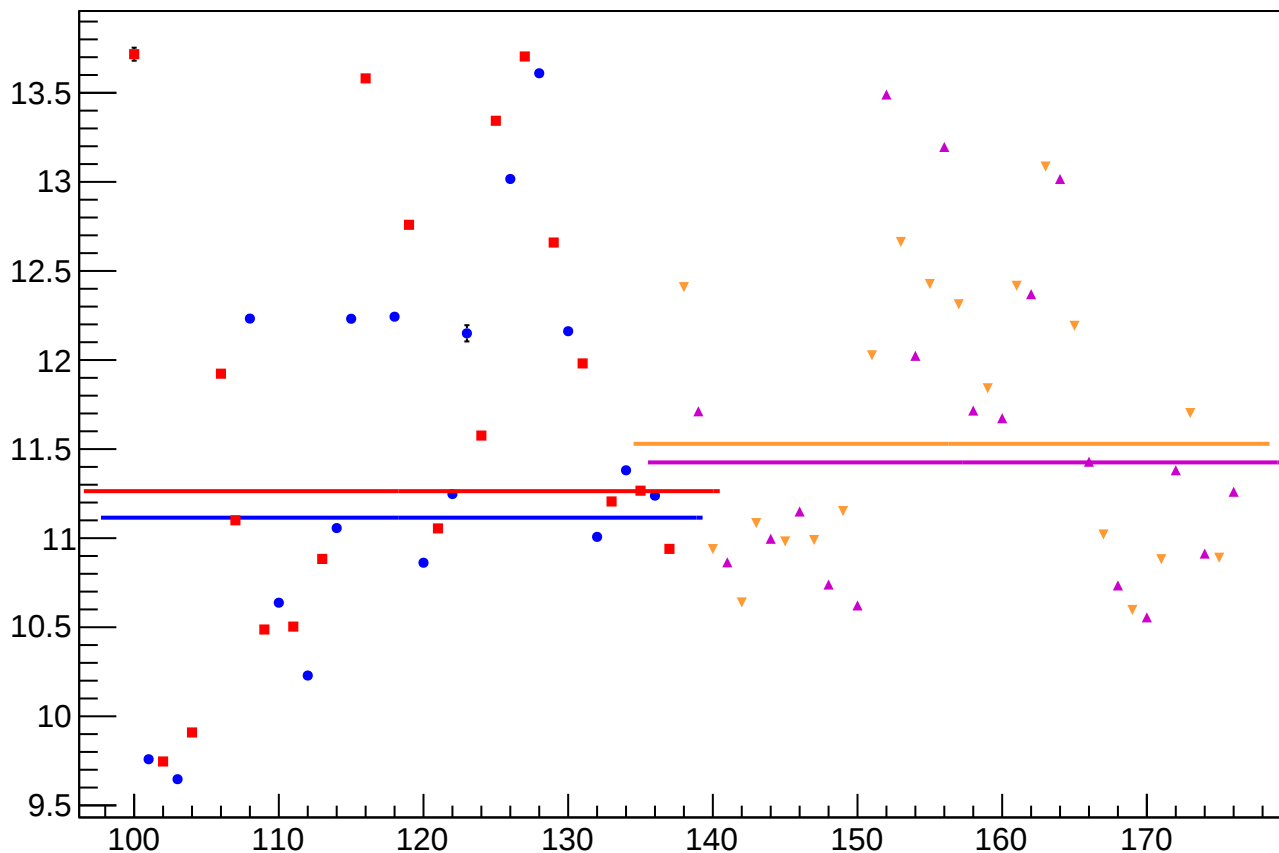
Left In: 2.384 ± 3.011 χ^2/NDF : 21.0/18

+ sign -0.231 ± 2.466 χ^2/NDF : 35.2/36

All: -1.750 ± 1.741 χ^2/NDF : 87.0/74

- sign -3.260 ± 2.459 χ^2/NDF : 51.1/37

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: 11.530 $\pm$ 0.002 χ^2 /NDF: 119124.5/19

Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147483.5/18

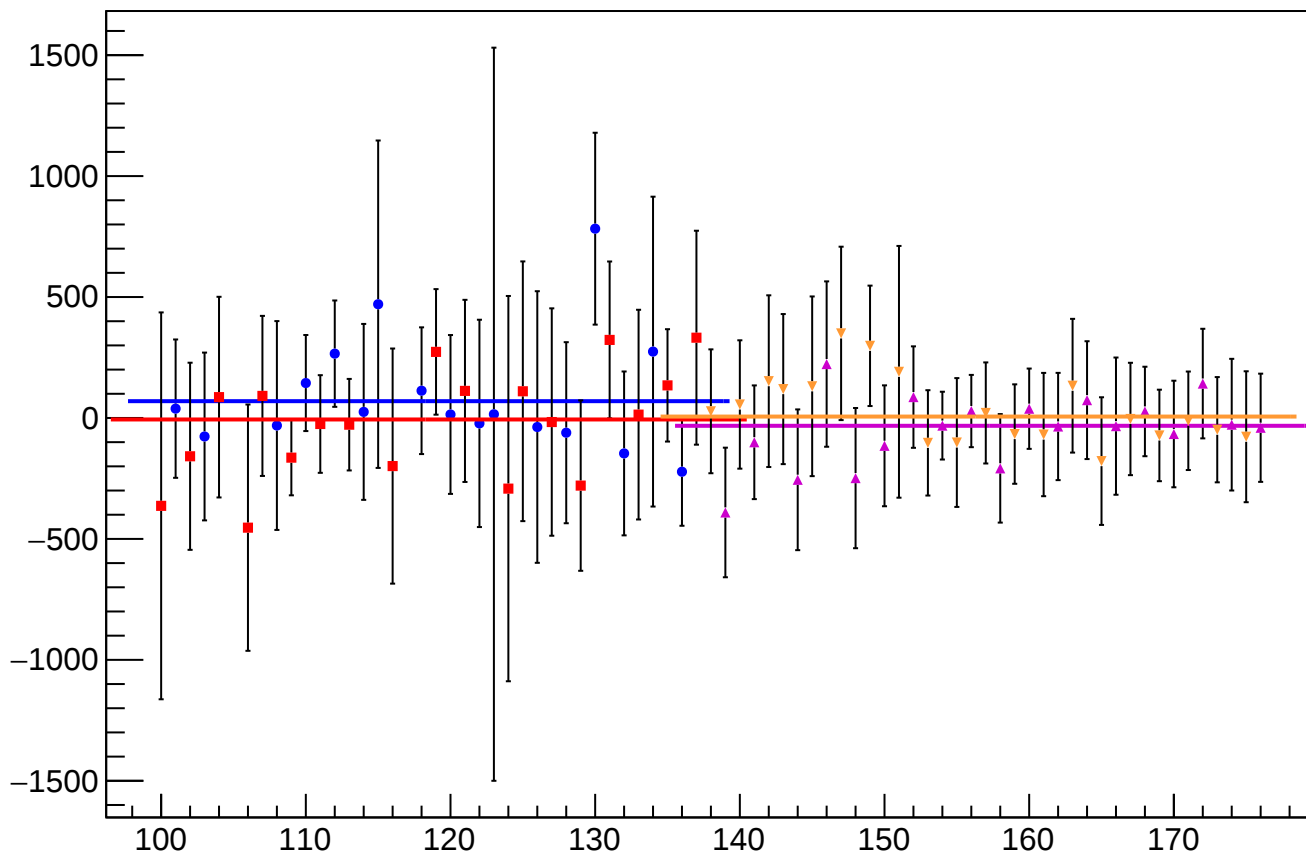
Left In: 11.425 $\pm$ 0.002 χ^2 /NDF: 143649.5/18

+ sign 11.395 $\pm$ 0.002 χ^2 /NDF: 264572.3/36

All: 11.383 $\pm$ 0.001 χ^2 /NDF: 557706.2/74

- sign 11.372 $\pm$ 0.002 χ^2 /NDF: 293043.4/37

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: 5.832 ± 56.556 χ^2/NDF : 4.5/19

Right Out: -6.194 ± 70.182 χ^2/NDF : 6.5/18

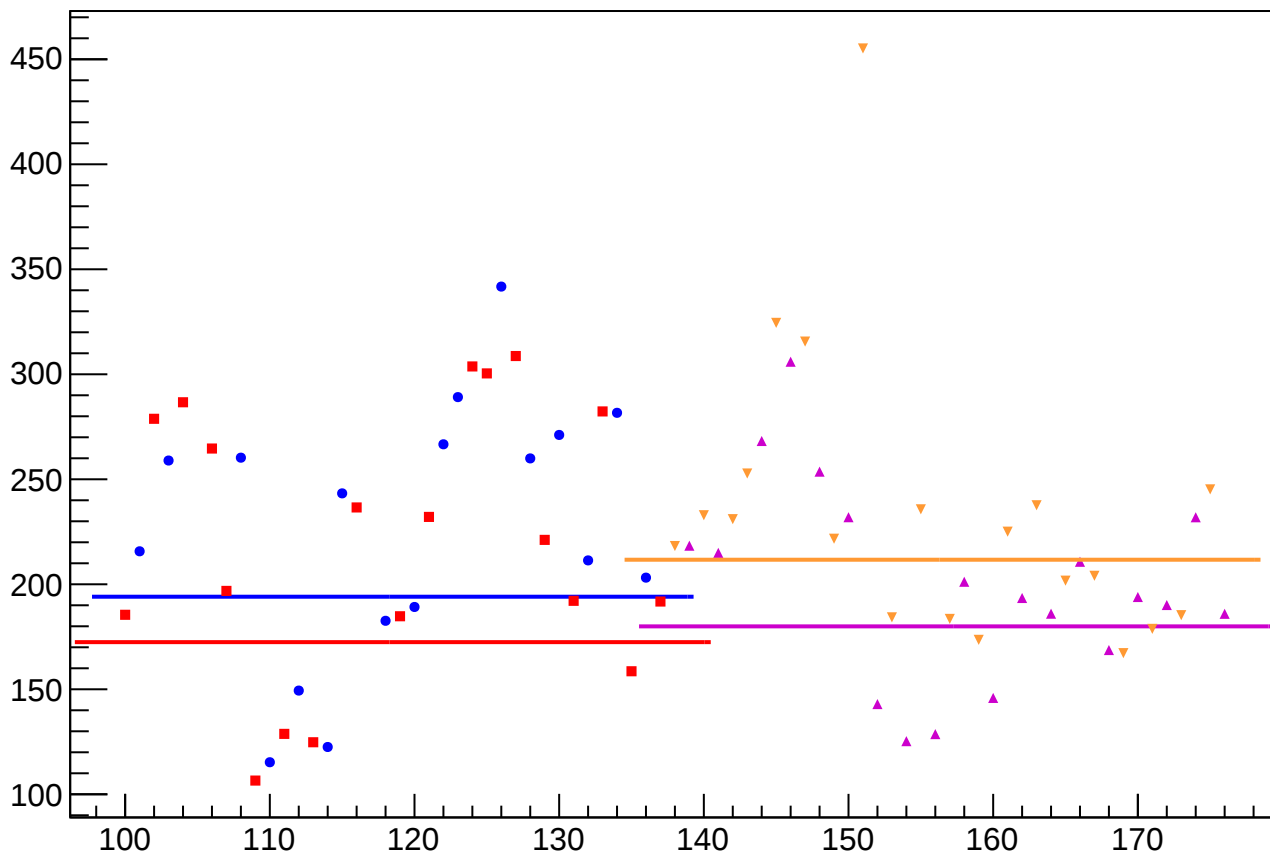
Left In: -32.335 ± 49.545 χ^2/NDF : 5.9/18

+ sign 27.312 ± 46.032 χ^2/NDF : 12.2/36

All: -1.423 ± 30.396 χ^2/NDF : 25.4/74

- sign -23.641 ± 40.476 χ^2/NDF : 12.5/37

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: 211.696 $\pm$ 0.040 χ^2 /NDF:1252864.8/19

Right Out: 172.452 $\pm$ 0.050 χ^2 /NDF: 1569463.1/18

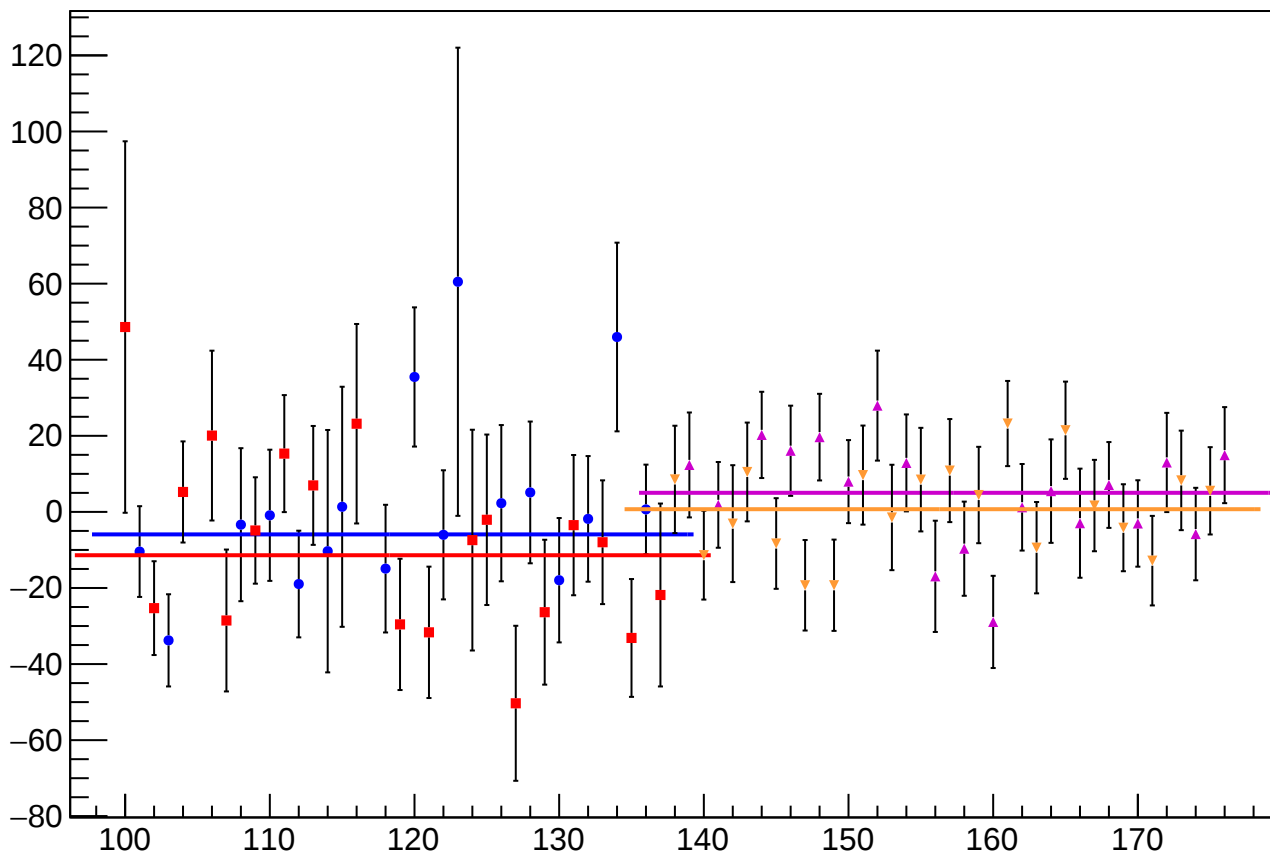
Left In: 179.959 $\pm$ 0.035 χ^2 /NDF:1587771.5/18

+ sign 205.750 $\pm$ 0.033 χ^2 /NDF: 2323741.4/36

All: 189.797 $\pm$ 0.021 χ^2 /NDF: 5922213.5/74

- sign 177.462 $\pm$ 0.029 χ^2 /NDF: 3172508.0/37

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: 0.711 ± 2.795 χ^2/NDF : 19.1/19

Right Out: -11.391 ± 4.079 χ^2/NDF : 22.9/18

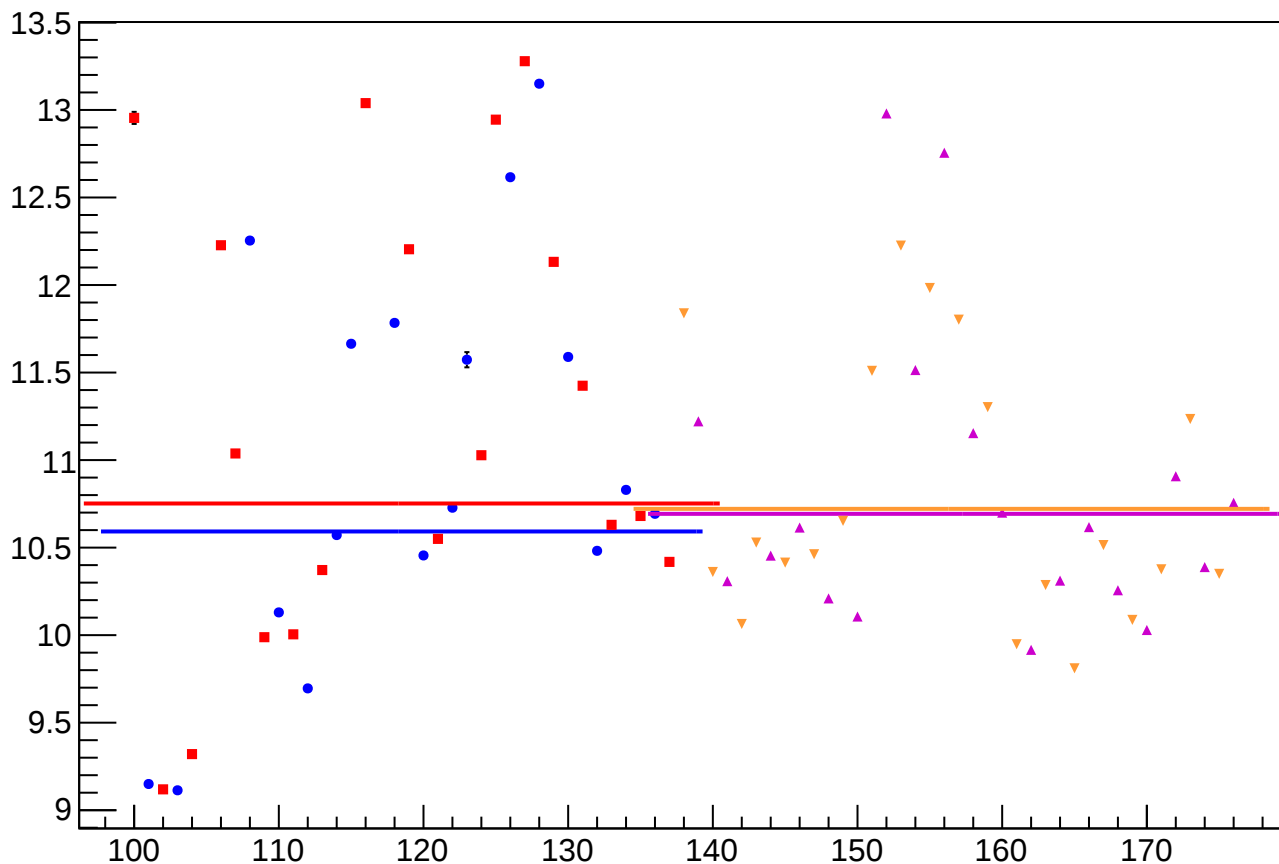
Left In: 5.020 ± 2.821 χ^2/NDF : 21.9/18

+ sign -1.367 ± 2.315 χ^2/NDF : 39.7/36

All: -0.831 ± 1.639 χ^2/NDF : 95.5/74

- sign -0.292 ± 2.320 χ^2/NDF : 55.7/37

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.592 ± 0.003 χ^2/NDF : 160397.9/16

Left Out: 10.721 ± 0.002 χ^2/NDF : 121866.8/19

Right Out: 10.752 ± 0.003 χ^2/NDF : 176895.3/18

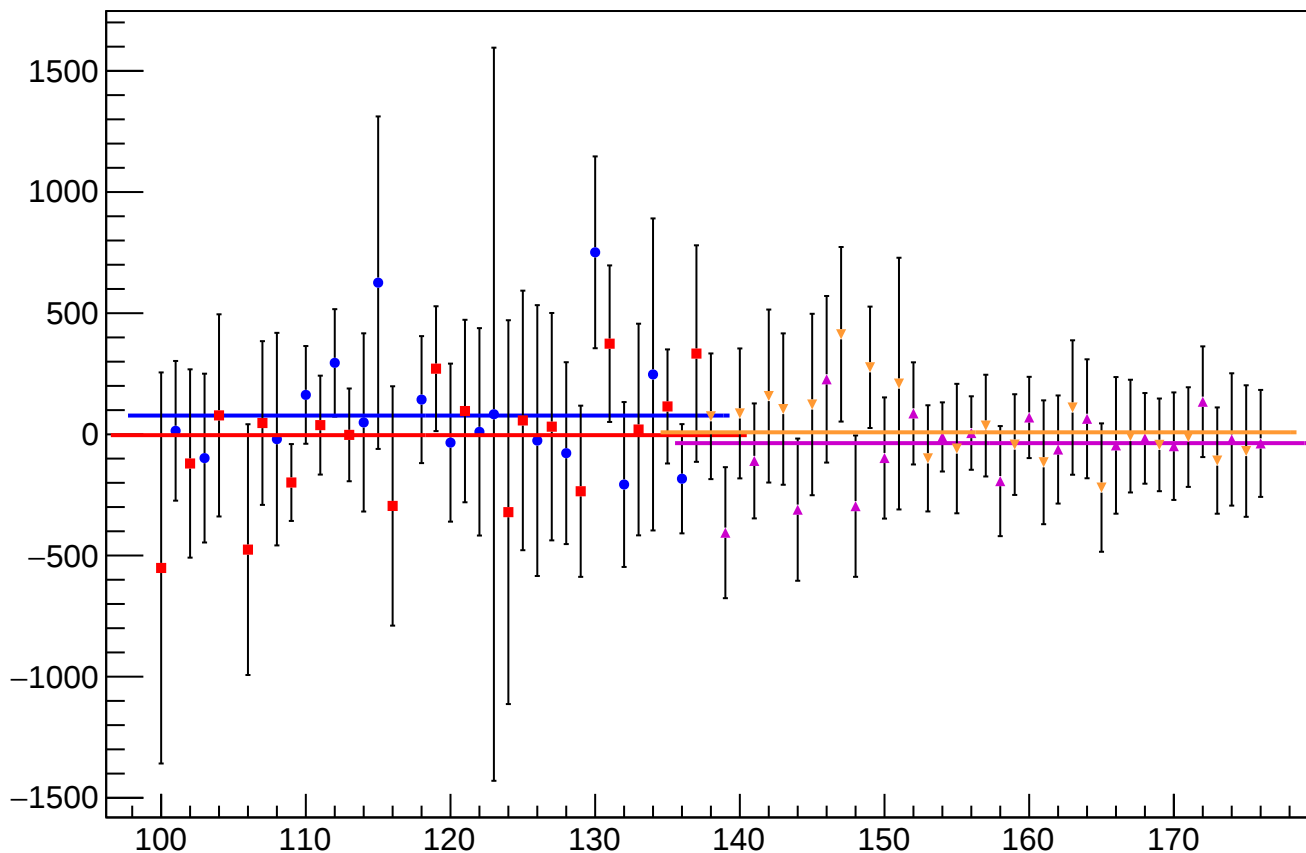
Left In: 10.693 ± 0.002 χ^2/NDF : 139185.0/18

+ sign 10.681 ± 0.002 χ^2/NDF : 283605.7/36

All: 10.696 ± 0.001 χ^2/NDF : 600150.5/74

- sign 10.712 ± 0.002 χ^2/NDF : 316364.3/37

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 77.589 $\pm$ 79.751 χ^2 /NDF: 7.6/16

Left Out: 8.432 $\pm$ 56.939 χ^2 /NDF: 5.0/19

Right Out: -3.305 $\pm$ 70.855 χ^2 /NDF: 7.4/18

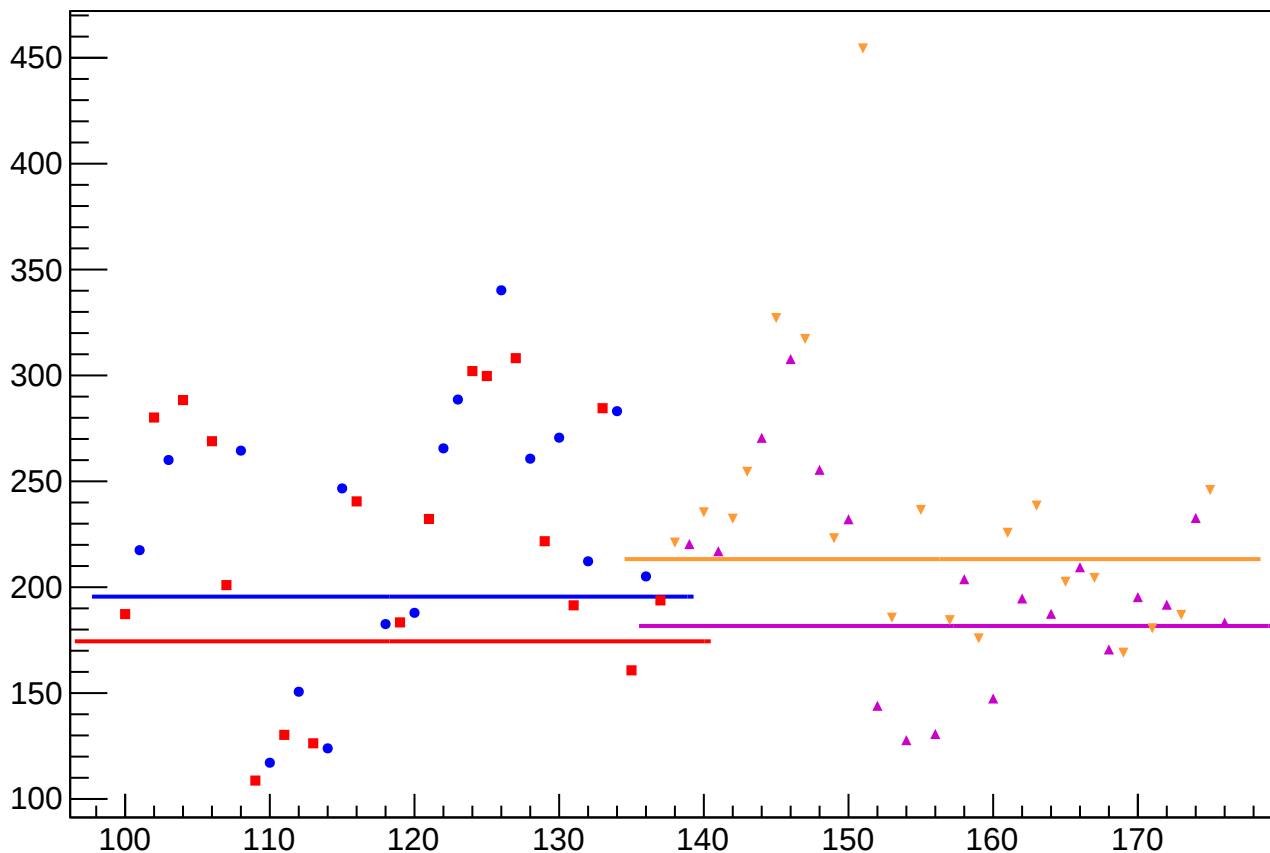
Left In: -36.243 $\pm$ 49.966 χ^2 /NDF: 6.4/18

+ sign 31.782 $\pm$ 46.340 χ^2 /NDF: 13.1/36

All: -0.353 $\pm$ 30.637 χ^2 /NDF: 27.8/74

- sign -25.304 $\pm$ 40.834 χ^2 /NDF: 13.9/37

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: 213.273 $\pm$ 0.040 χ^2 /NDF:1233804.1/19

Right Out: 174.449 $\pm$ 0.050 χ^2 /NDF: 1528629.1/18

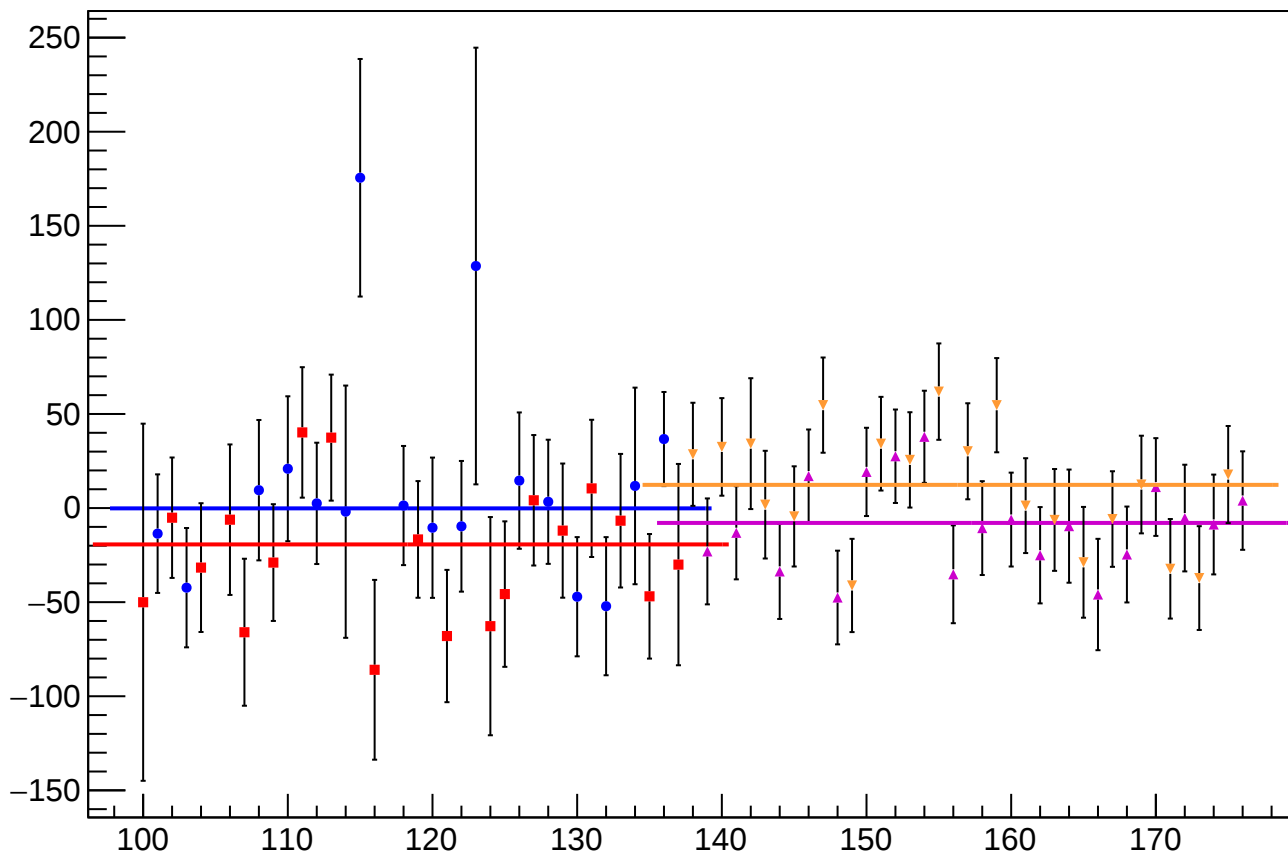
Left In: 181.701 $\pm$ 0.035 χ^2 /NDF:1539988.8/18

+ sign 207.289 $\pm$ 0.033 χ^2 /NDF: 2279158.1/36

All: 191.529 $\pm$ 0.022 χ^2 /NDF: 5772704.2/74

- sign 179.293 $\pm$ 0.029 χ^2 /NDF: 3082610.1/37

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: 12.332 ± 5.905 χ^2/NDF : 26.7/19

Right Out: -19.316 ± 8.554 χ^2/NDF : 14.8/18

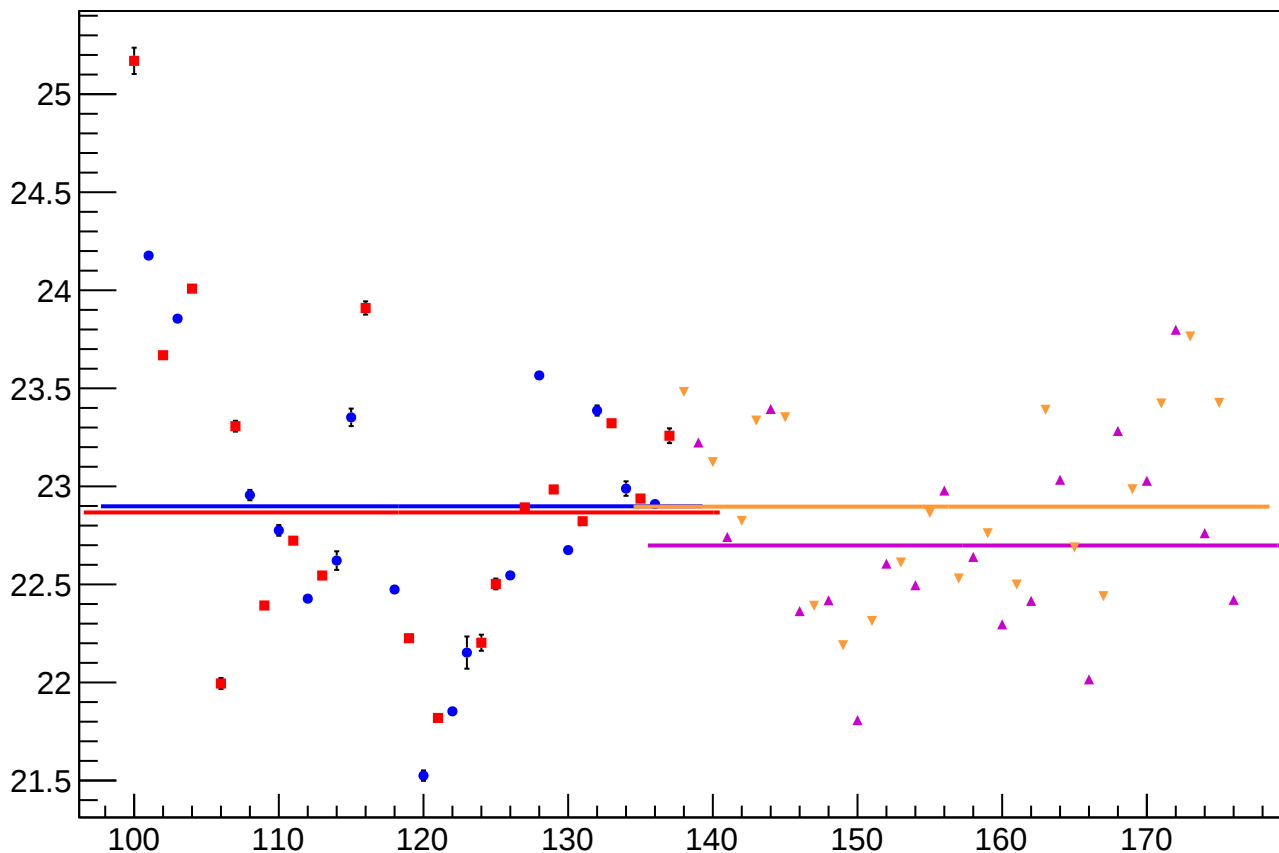
Left In: -7.894 ± 5.930 χ^2/NDF : 16.2/18

+ sign 8.470 ± 4.908 χ^2/NDF : 46.2/36

All: -1.637 ± 3.458 χ^2/NDF : 86.8/74

- sign -11.602 ± 4.874 χ^2/NDF : 32.2/37

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.898 ± 0.006 χ^2/NDF : 12143.3/16

Left Out: 22.897 ± 0.004 χ^2/NDF : 11925.3/19

Right Out: 22.867 ± 0.006 χ^2/NDF : 11048.4/18

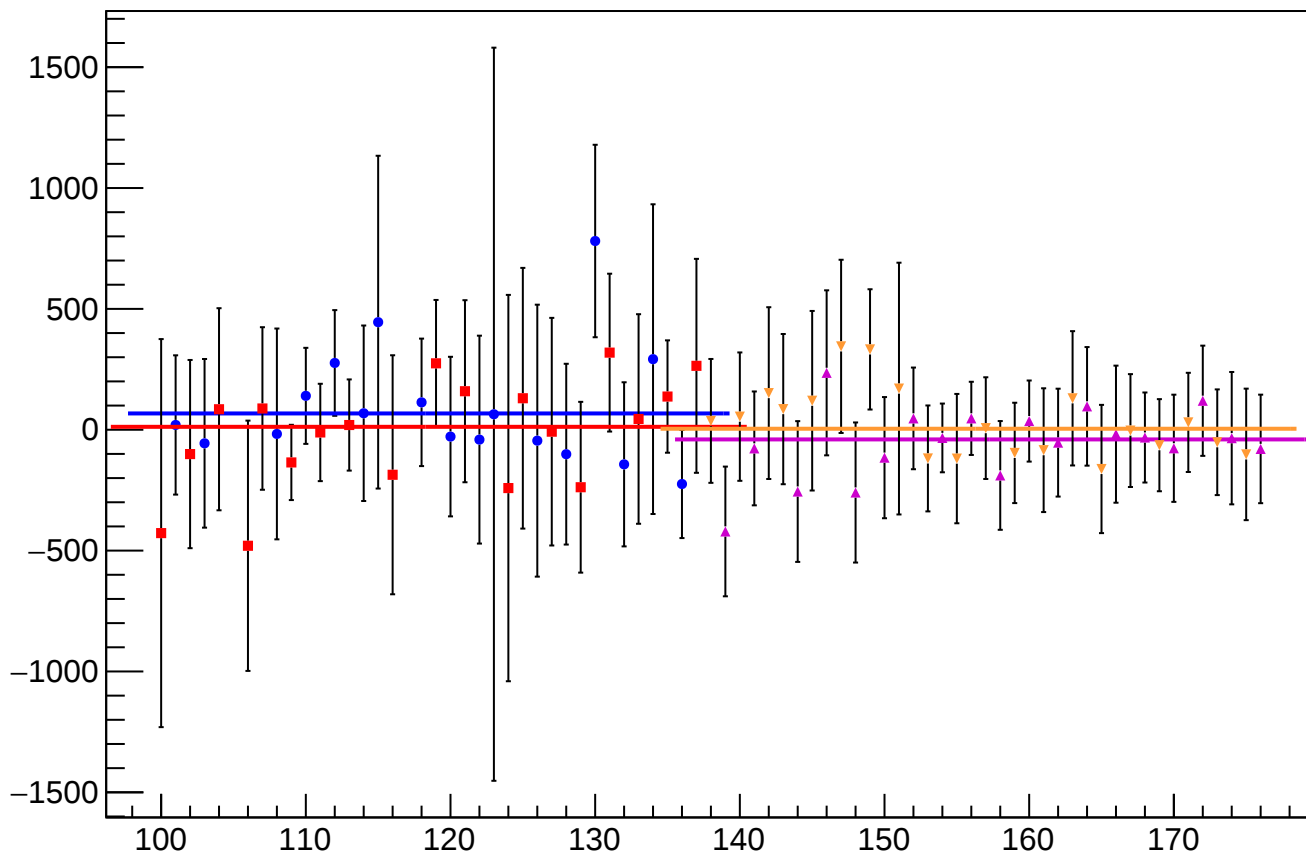
Left In: 22.699 ± 0.004 χ^2/NDF : 12829.0/18

+ sign 22.897 ± 0.003 χ^2/NDF : 24068.6/36

All: 22.825 ± 0.002 χ^2/NDF : 49336.2/74

- sign 22.753 ± 0.003 χ^2/NDF : 24401.2/37

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: 4.145 $\pm$ 56.827 χ^2 /NDF: 5.0/19

Right Out: 12.117 $\pm$ 70.355 χ^2 /NDF: 5.8/18

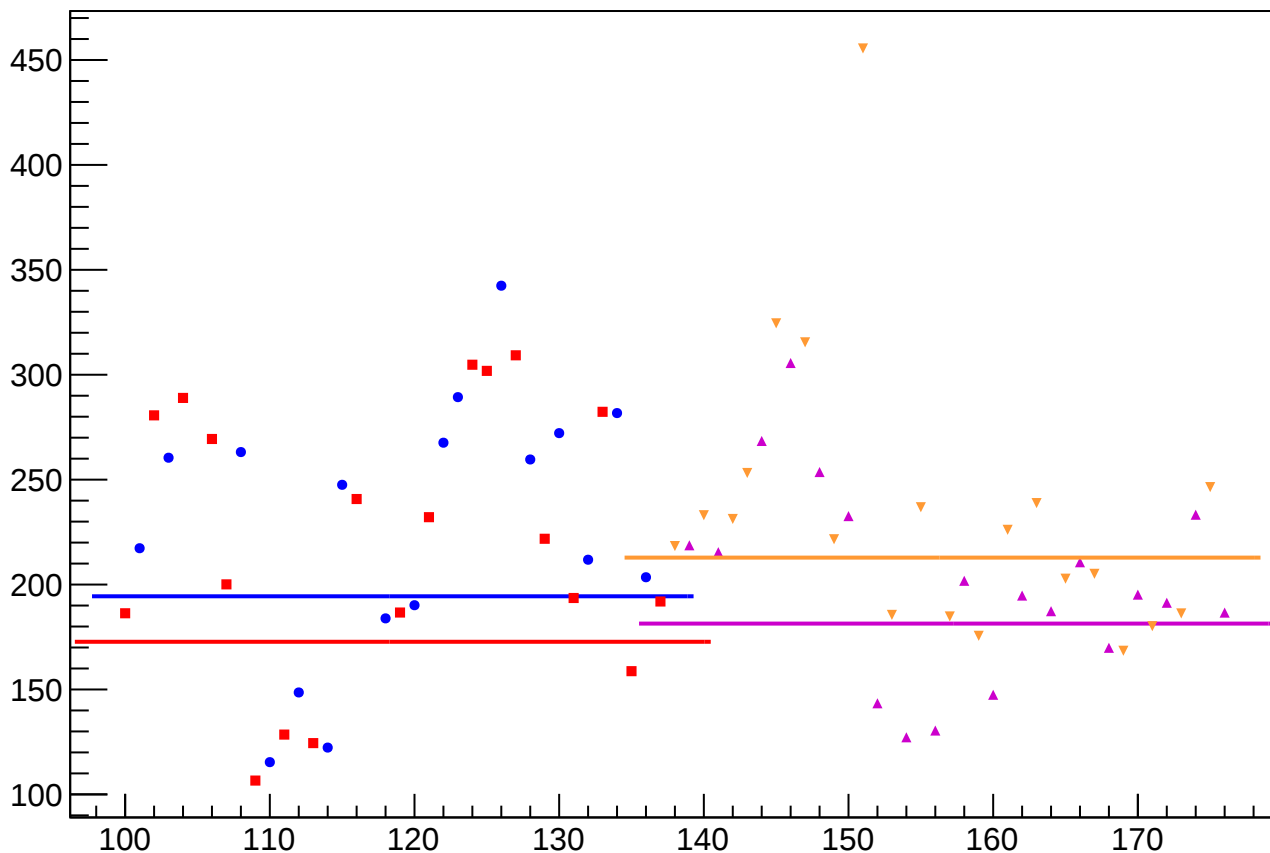
Left In: -40.016 $\pm$ 49.885 χ^2 /NDF: 5.9/18

+ sign 25.586 $\pm$ 46.212 χ^2 /NDF: 12.8/36

All: -1.540 $\pm$ 30.540 χ^2 /NDF: 25.4/74

- sign -22.575 $\pm$ 40.694 χ^2 /NDF: 12.0/37

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: 212.847 $\pm$ 0.040 χ^2 /NDF:1227399.4/19

Right Out: 172.730 $\pm$ 0.050 χ^2 /NDF: 1596758.0/18

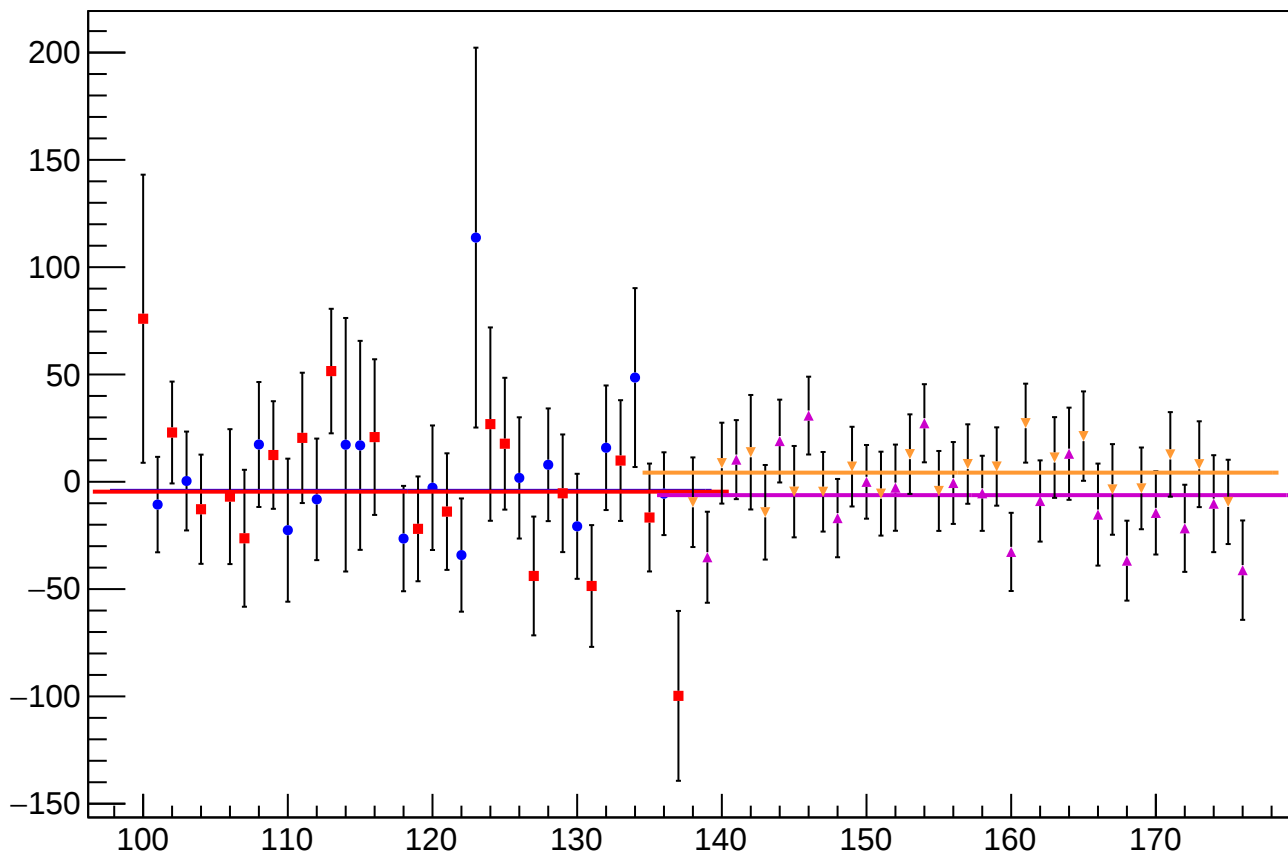
Left In: 181.400 $\pm$ 0.035 χ^2 /NDF:1533999.7/18

+ sign 206.602 $\pm$ 0.033 χ^2 /NDF: 2318612.0/36

All: 190.774 $\pm$ 0.022 χ^2 /NDF: 5886184.9/74

- sign 178.499 $\pm$ 0.029 χ^2 /NDF: 3150966.5/37

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: 4.261 ± 4.399 χ^2/NDF : 5.9/19

Right Out: -4.599 ± 6.725 χ^2/NDF : 21.1/18

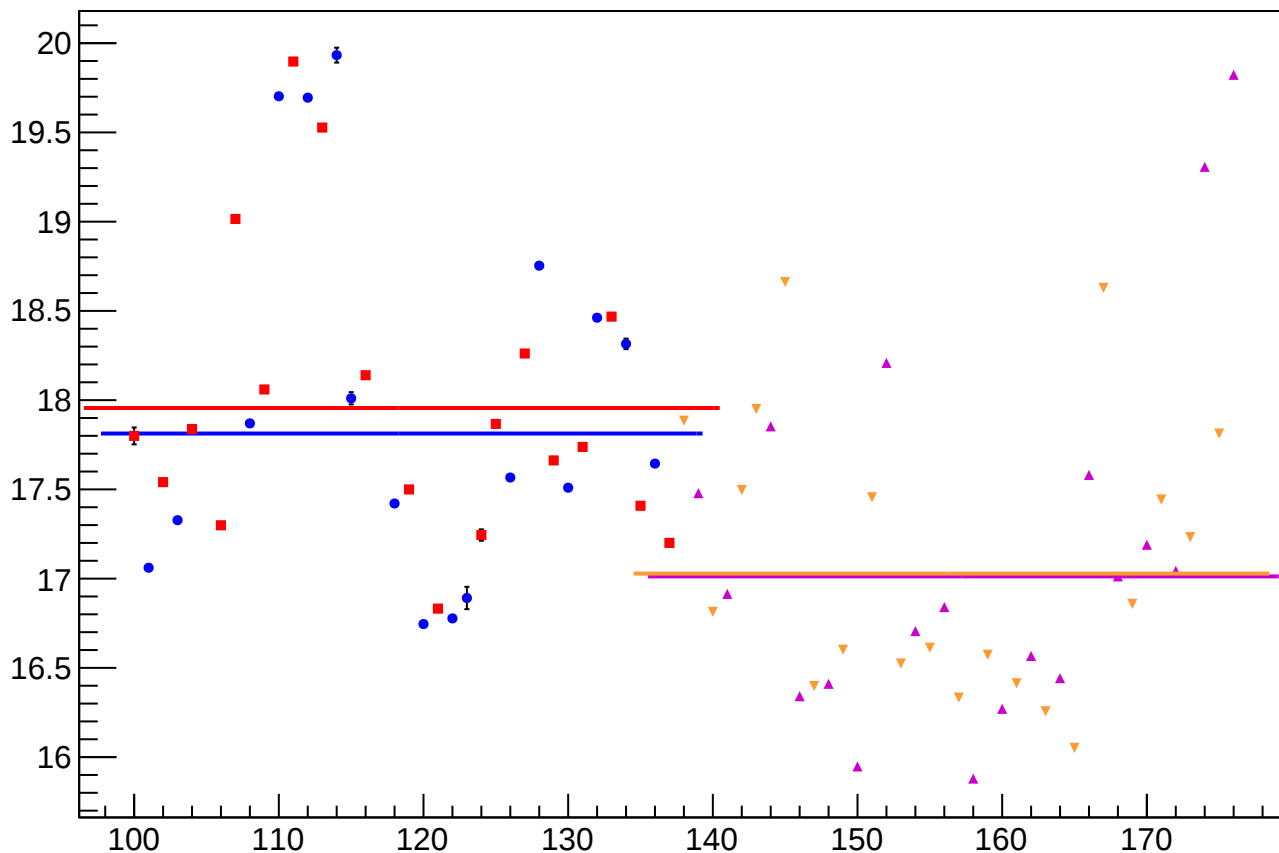
Left In: -6.224 ± 4.457 χ^2/NDF : 21.4/18

+ sign 1.795 ± 3.705 χ^2/NDF : 15.0/36

All: -1.956 ± 2.623 χ^2/NDF : 59.5/74

- sign -5.728 ± 3.715 χ^2/NDF : 42.5/37

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: 17.028 $\pm$ 0.003 χ^2 /NDF: 56305.5/19

Right Out: 17.956 $\pm$ 0.005 χ^2 /NDF: 25445.3/18

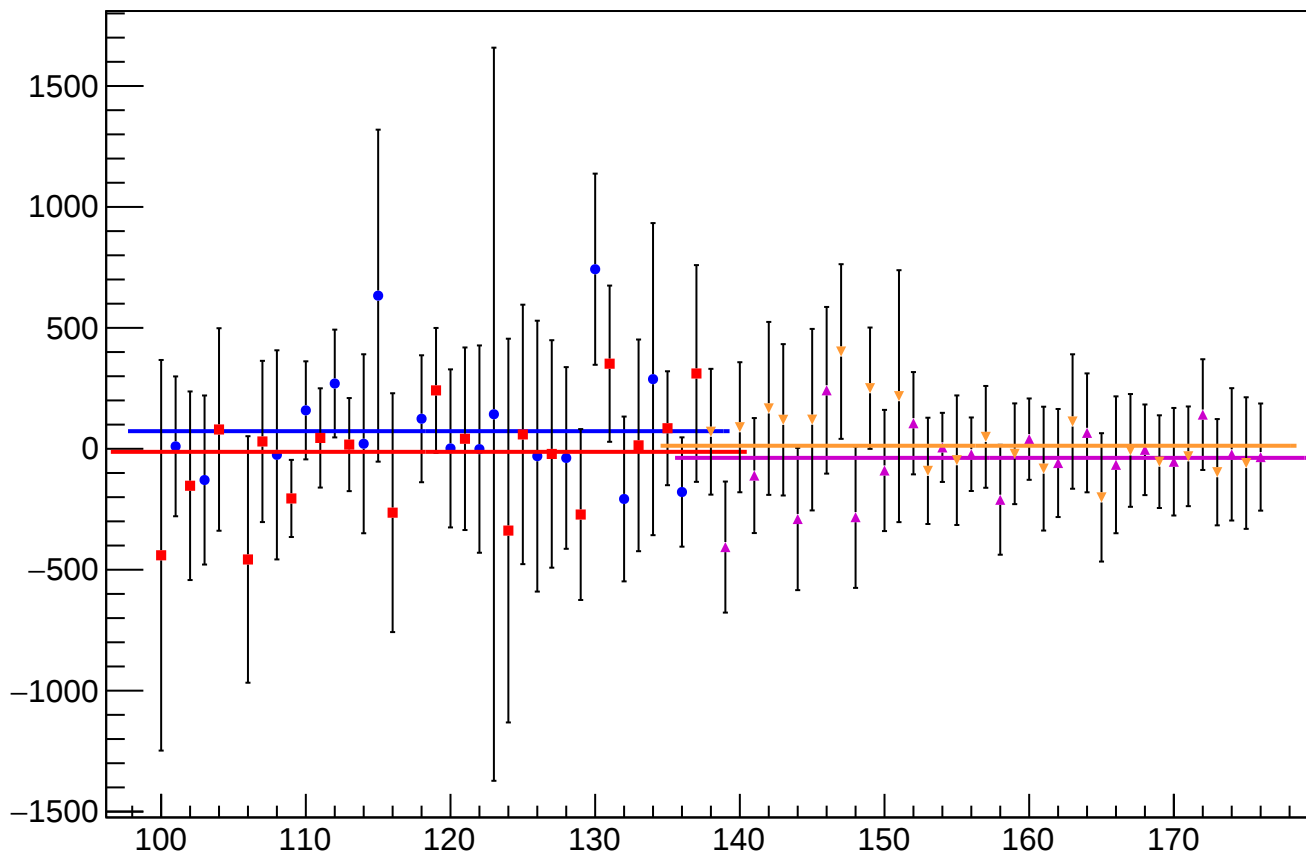
Left In: 17.012 $\pm$ 0.003 χ^2 /NDF: 90886.5/18

+ sign 17.256 $\pm$ 0.003 χ^2 /NDF: 106836.6/36

All: 17.278 $\pm$ 0.002 χ^2 /NDF: 250665.0/74

- sign 17.300 $\pm$ 0.003 χ^2 /NDF: 143688.6/37

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: 12.628 $\pm$ 57.066 χ^2 /NDF: 4.5/19

Right Out: -12.565 $\pm$ 71.013 χ^2 /NDF: 6.7/18

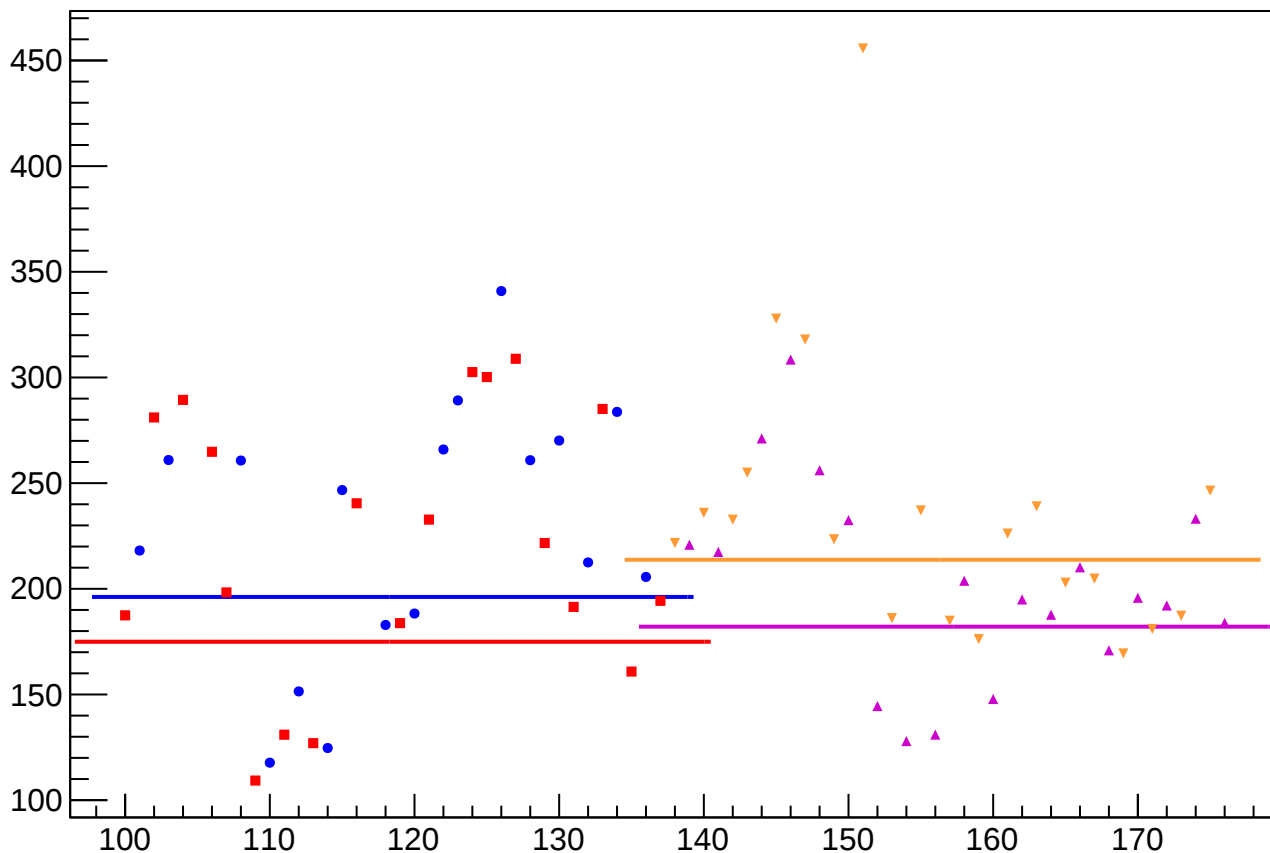
Left In: -37.490 $\pm$ 50.070 χ^2 /NDF: 6.3/18

+ sign 32.967 $\pm$ 46.447 χ^2 /NDF: 12.1/36

All: -2.040 $\pm$ 30.704 χ^2 /NDF: 26.2/74

- sign -29.213 $\pm$ 40.921 χ^2 /NDF: 13.1/37

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.151+/-0.057 χ^2/NDF : 964998.4/16

Left Out: 213.744+/-0.040 χ^2/NDF : 1234049.5/19

Right Out: 174.965+/-0.050 χ^2/NDF : 1510956.5/18

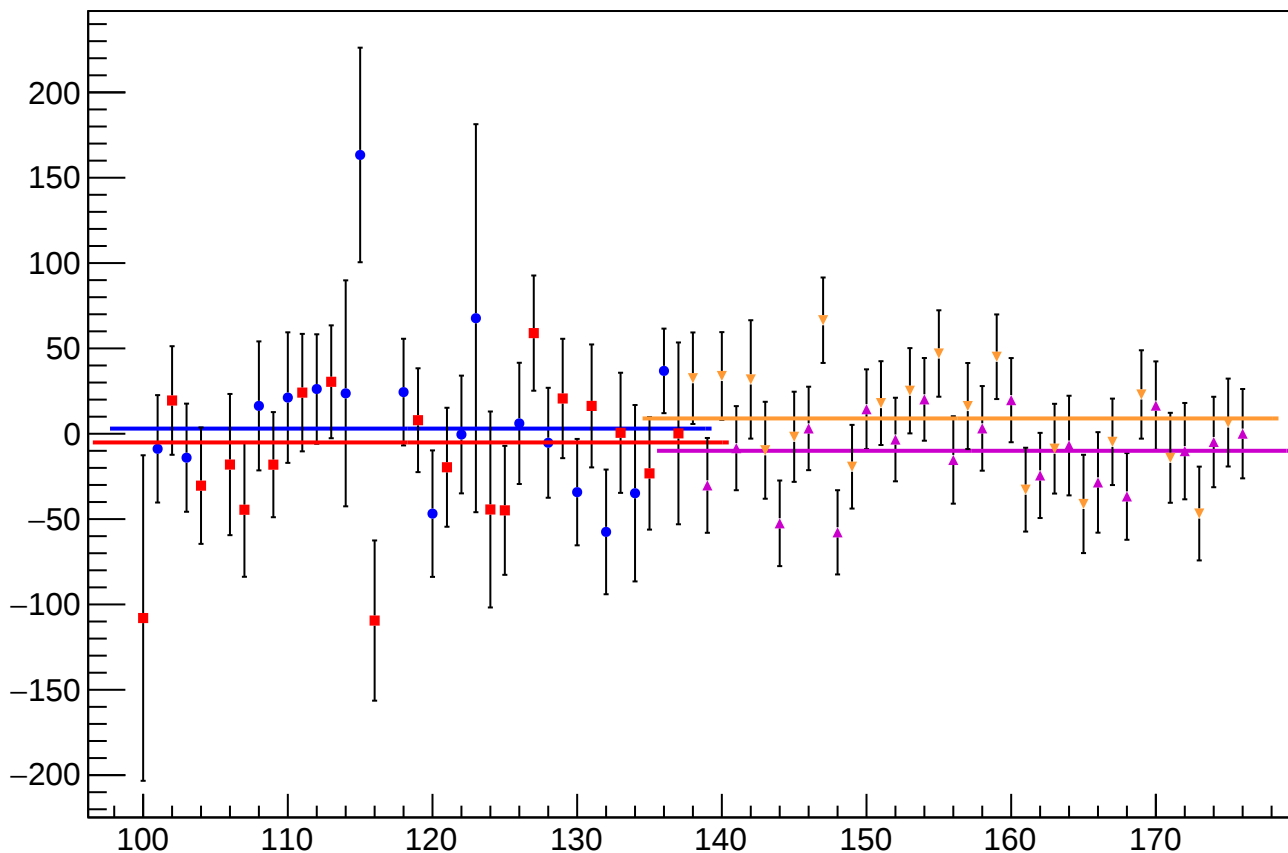
Left In: 182.082+/-0.035 χ^2/NDF : 1539757.8/18

+ sign 207.806+/-0.033 χ^2/NDF : 2263211.0/36

All: 191.993+/-0.022 χ^2/NDF : 5739097.5/74

- sign 179.719+/-0.029 χ^2/NDF : 3064134.3/37

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: 8.970 ± 5.839 χ^2/NDF : 26.2/19

Right Out: -5.092 ± 8.477 χ^2/NDF : 17.2/18

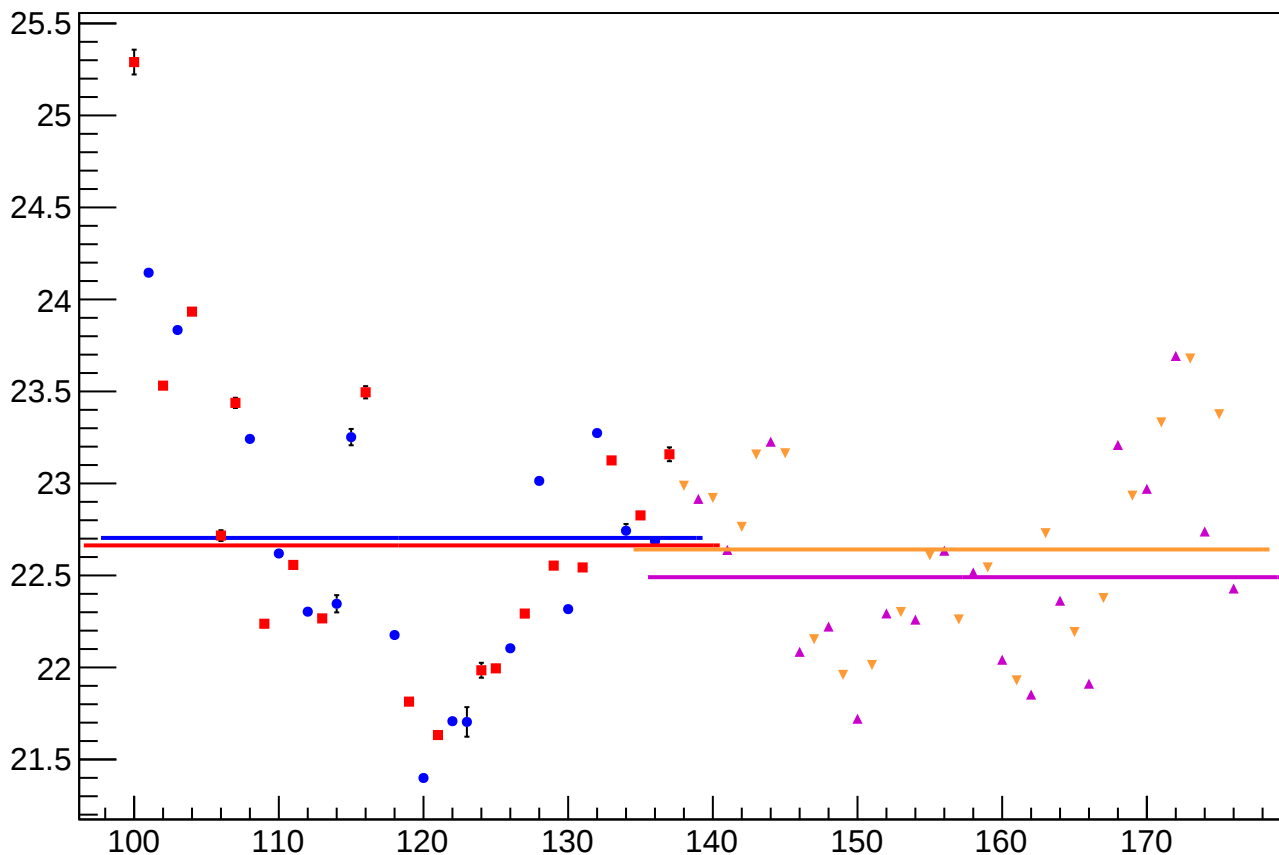
Left In: -9.987 ± 5.876 χ^2/NDF : 15.0/18

+ sign 7.138 ± 4.857 χ^2/NDF : 43.7/36

All: -0.675 ± 3.425 χ^2/NDF : 81.3/74

- sign -8.398 ± 4.829 χ^2/NDF : 32.4/37

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.704+/-0.006 χ^2 /NDF: 14105.8/16

Left Out: 22.641+/-0.004 χ^2 /NDF:15028.3/19

Right Out: 22.663+/-0.006 χ^2 /NDF: 12943.4/18

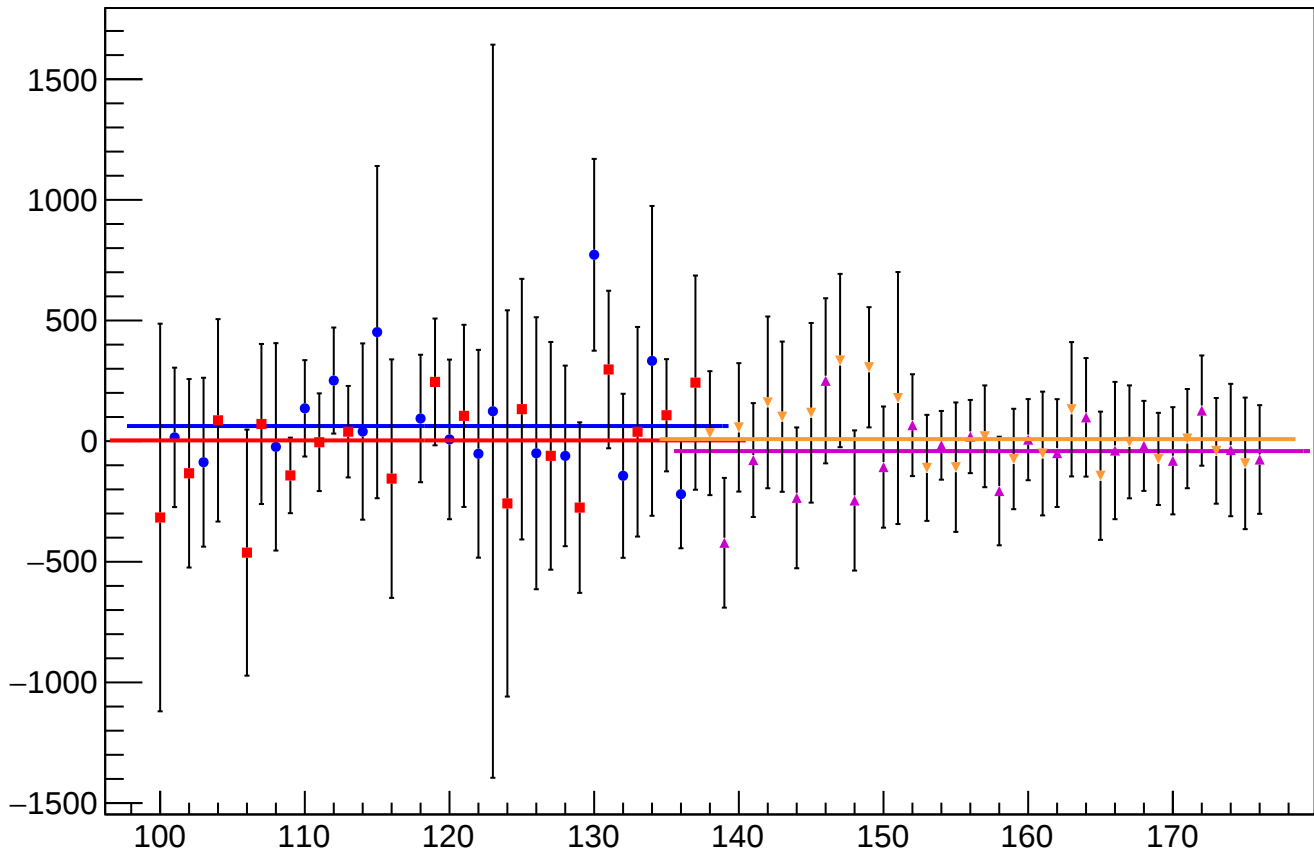
Left In: 22.491+/-0.004 χ^2 /NDF:14485.1/18

+ sign 22.661+/-0.003 χ^2 /NDF: 29205.2/36

All: 22.603+/-0.002 χ^2 /NDF: 57747.0/74

- sign 22.547+/-0.003 χ^2 /NDF: 27988.6/37

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: 8.393 $\pm$ 56.953 χ^2 /NDF: 4.4/19

Right Out: 3.038 $\pm$ 70.518 χ^2 /NDF: 5.2/18

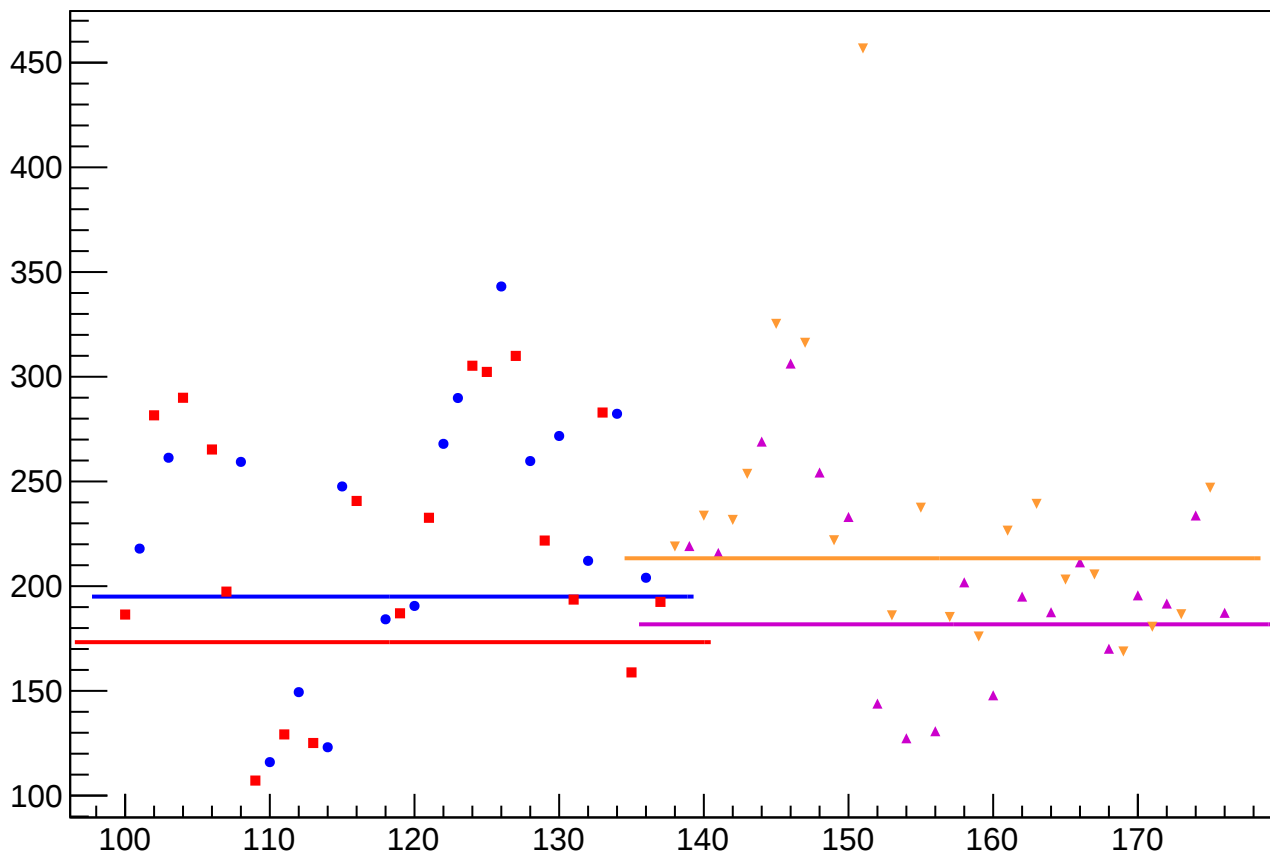
Left In: -41.208 $\pm$ 49.989 χ^2 /NDF: 5.8/18

+ sign 26.737 $\pm$ 46.319 χ^2 /NDF: 11.7/36

All: -3.202 $\pm$ 30.609 χ^2 /NDF: 23.7/74

- sign -26.410 $\pm$ 40.782 χ^2 /NDF: 11.2/37

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.022 $\pm$ 0.056 χ^2 /NDF: 1004284.9/16

Left Out: 213.317 $\pm$ 0.040 χ^2 /NDF:1227650.3/19

Right Out: 173.262 $\pm$ 0.050 χ^2 /NDF: 1578202.7/18

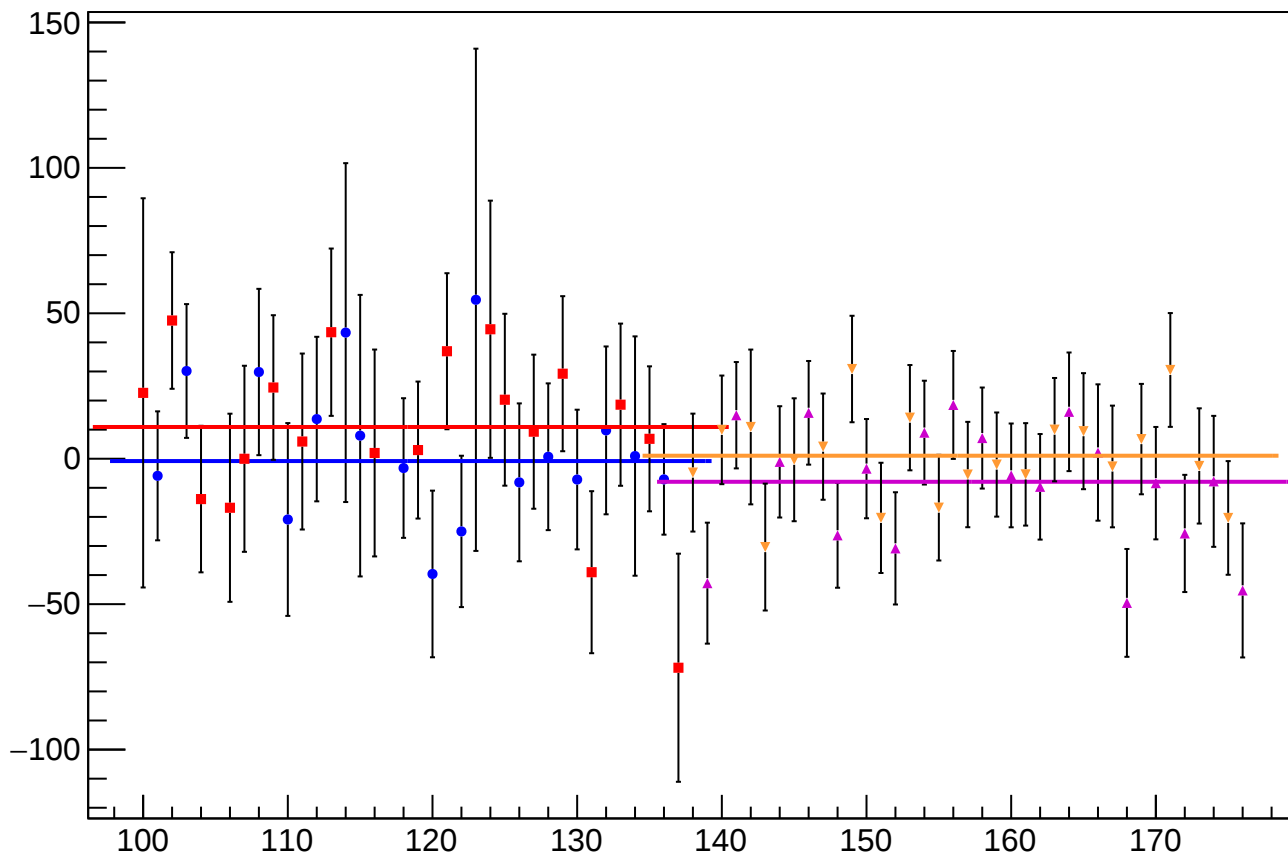
Left In: 181.778 $\pm$ 0.035 χ^2 /NDF:1533936.8/18

+ sign 207.123 $\pm$ 0.033 χ^2 /NDF: 2301810.9/36

All: 191.241 $\pm$ 0.022 χ^2 /NDF: 5850762.2/74

- sign 178.930 $\pm$ 0.029 χ^2 /NDF: 3131555.9/37

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -0.801 ± 6.770 χ^2/NDF : 7.8/16

Left Out: 1.035 ± 4.311 χ^2/NDF : 12.3/19

Right Out: 10.912 ± 6.626 χ^2/NDF : 15.9/18

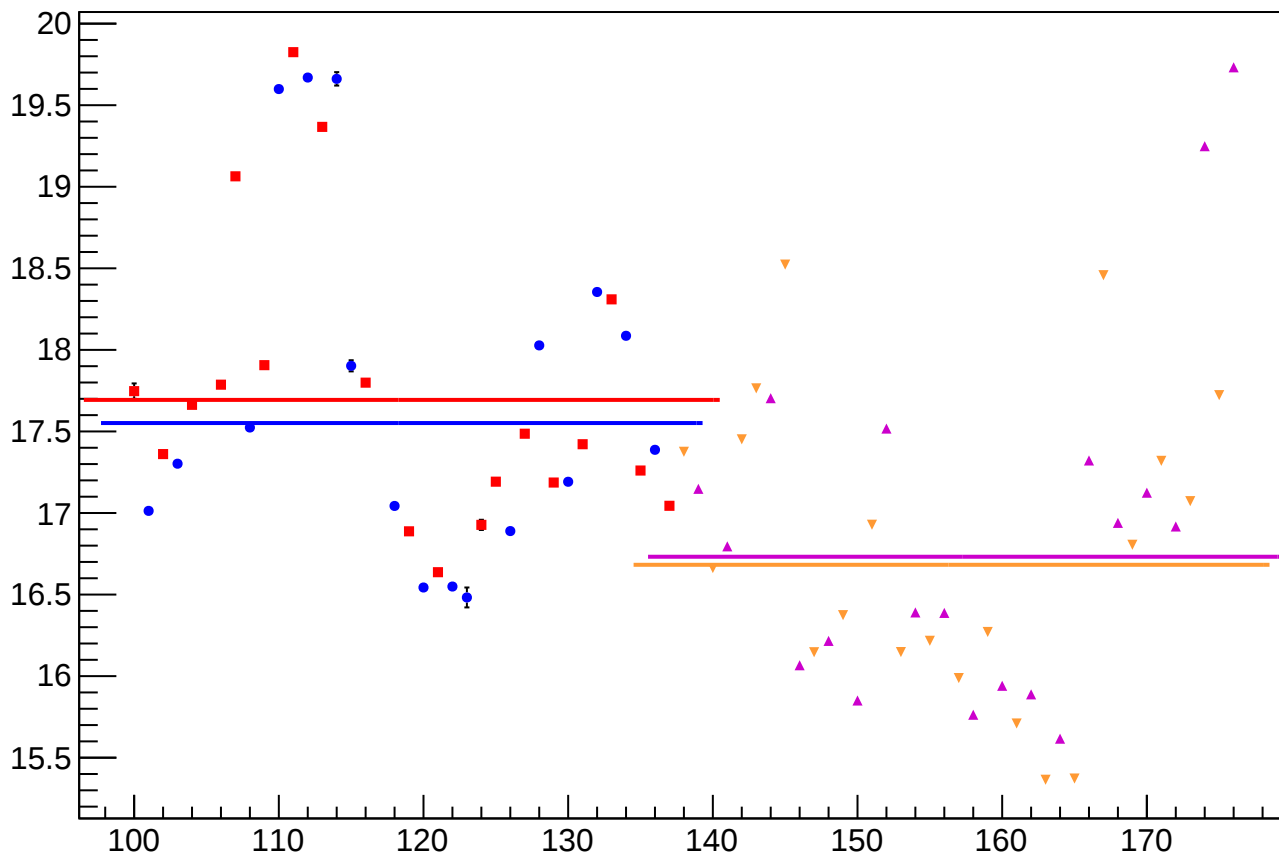
Left In: -7.928 ± 4.383 χ^2/NDF : 22.5/18

+ sign 0.505 ± 3.636 χ^2/NDF : 20.1/36

All: -0.837 ± 2.578 χ^2/NDF : 64.5/74

- sign -2.194 ± 3.656 χ^2/NDF : 44.1/37

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.552 ± 0.005 χ^2/NDF : 34027.1/16

Left Out: 16.683 ± 0.003 χ^2/NDF : 82561.9/19

Right Out: 17.693 ± 0.005 χ^2/NDF : 30742.0/18

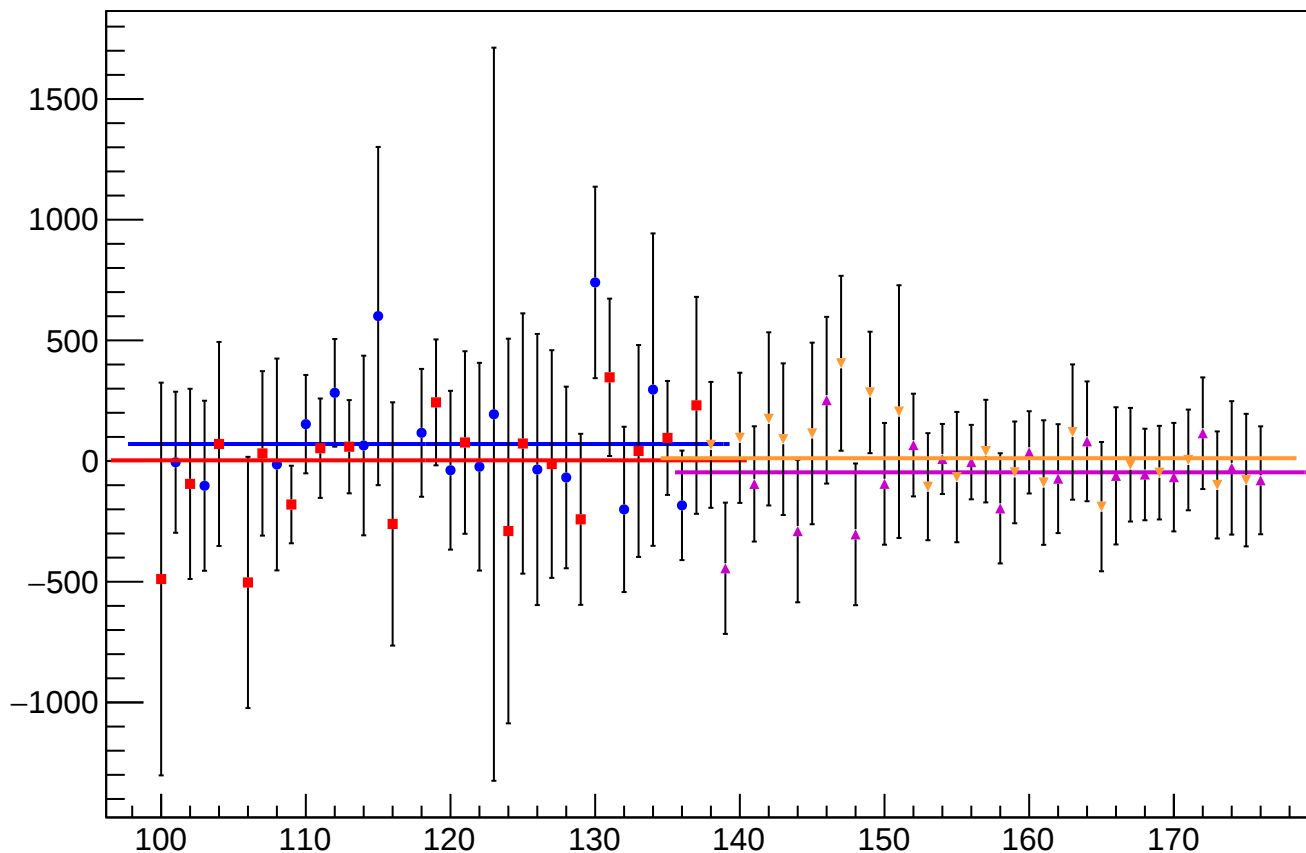
Left In: 16.732 ± 0.003 χ^2/NDF : 102330.1/18

+ sign 16.933 ± 0.003 χ^2/NDF : 140036.9/36

All: 16.979 ± 0.002 χ^2/NDF : 303028.9/74

- sign 17.025 ± 0.003 χ^2/NDF : 162364.0/37

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 70.634 $\pm$ 80.409 χ^2 /NDF: 7.2/16

Left Out: 11.835 $\pm$ 57.536 χ^2 /NDF: 4.8/19

Right Out: 3.063 $\pm$ 71.508 χ^2 /NDF: 6.2/18

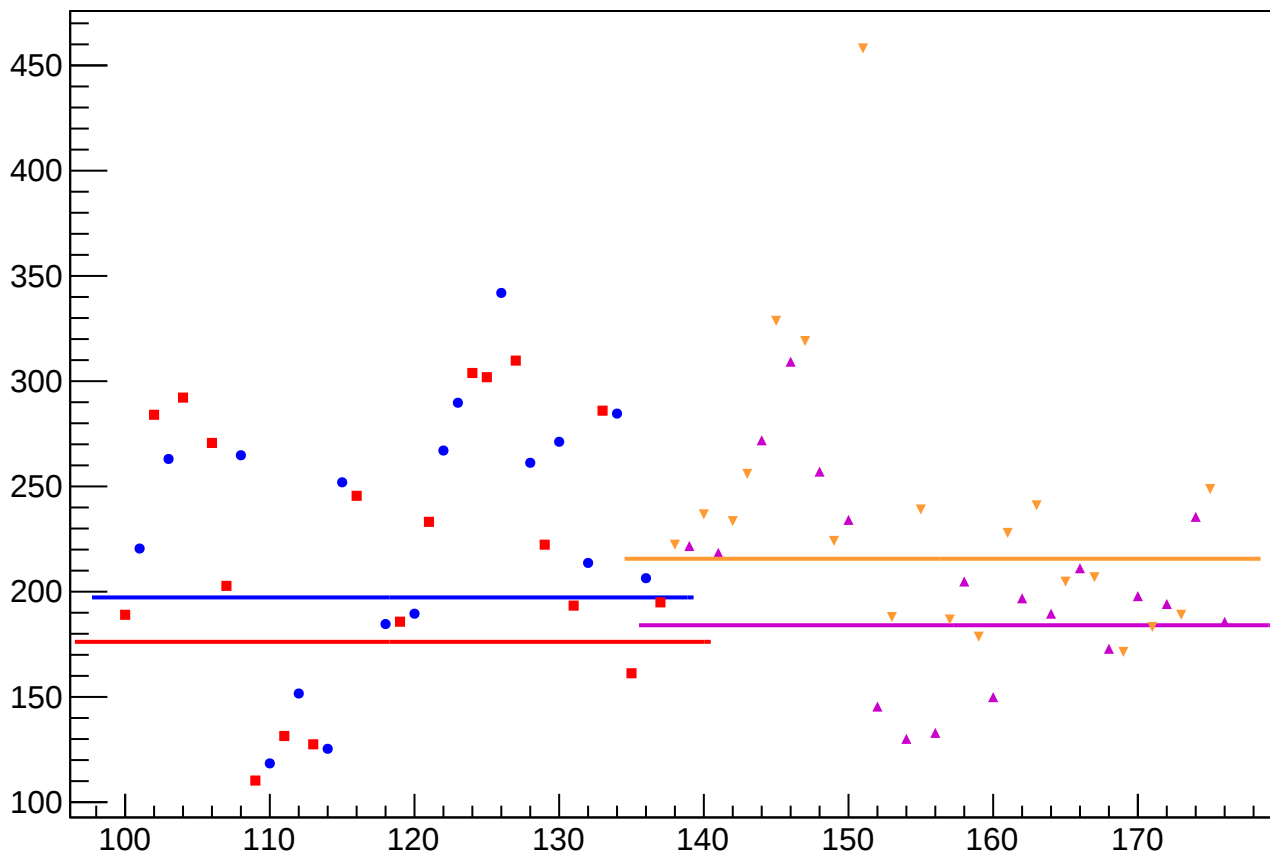
Left In: -46.661 $\pm$ 50.565 χ^2 /NDF: 6.4/18

+ sign 31.746 $\pm$ 46.791 χ^2 /NDF: 12.3/36

All: -3.019 $\pm$ 30.958 χ^2 /NDF: 26.2/74

- sign -30.085 $\pm$ 41.286 χ^2 /NDF: 12.9/37

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: 215.637 $\pm$ 0.041 χ^2 /NDF:1207864.8/19

Right Out: 176.181 $\pm$ 0.051 χ^2 /NDF: 1519707.5/18

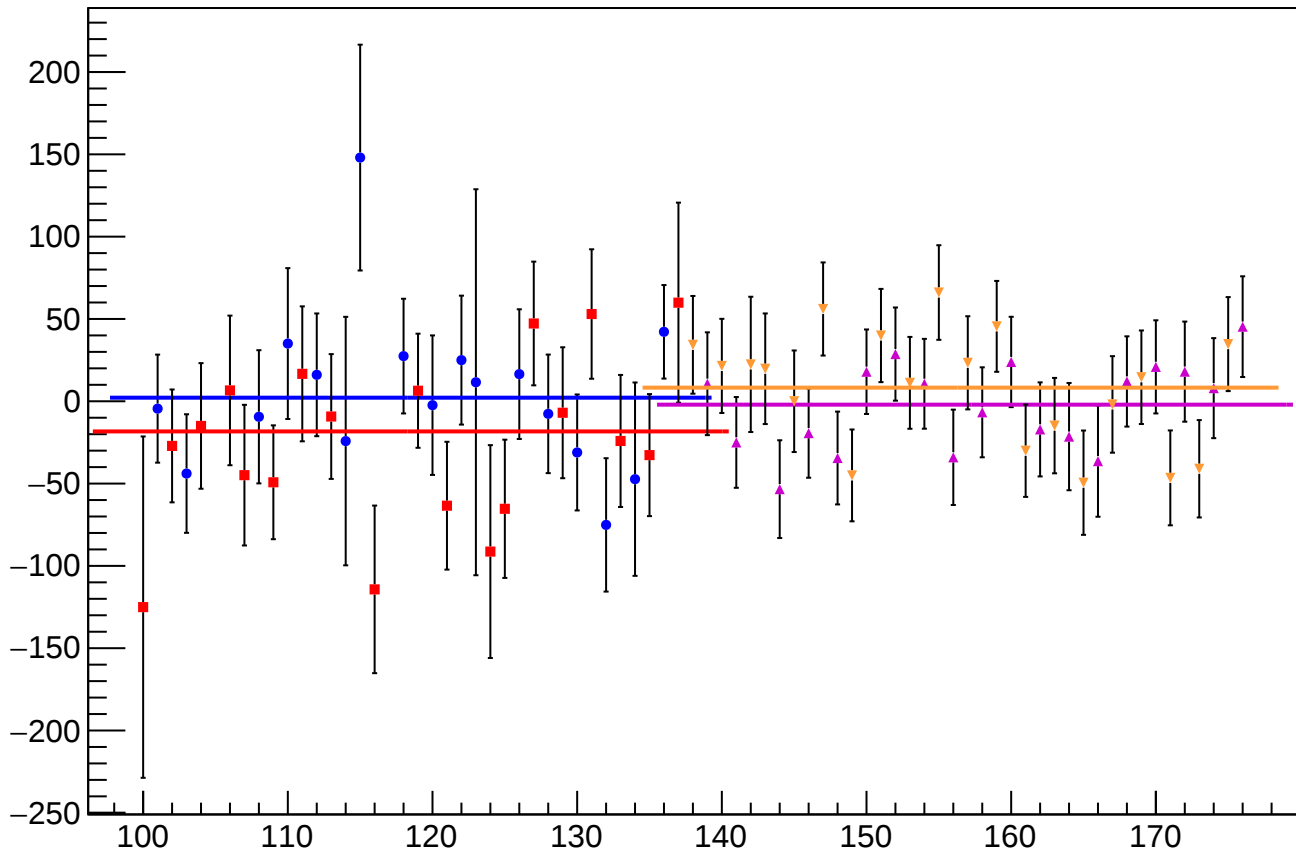
Left In: 184.055 $\pm$ 0.036 χ^2 /NDF:1495092.1/18

+ sign 209.418 $\pm$ 0.033 χ^2 /NDF: 2246420.3/36

All: 193.681 $\pm$ 0.022 χ^2 /NDF: 5679709.3/74

- sign 181.430 $\pm$ 0.029 χ^2 /NDF: 3030969.0/37

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: 8.275 ± 6.571 χ^2/NDF : 28.4/19

Right Out: -18.320 ± 9.497 χ^2/NDF : 19.6/18

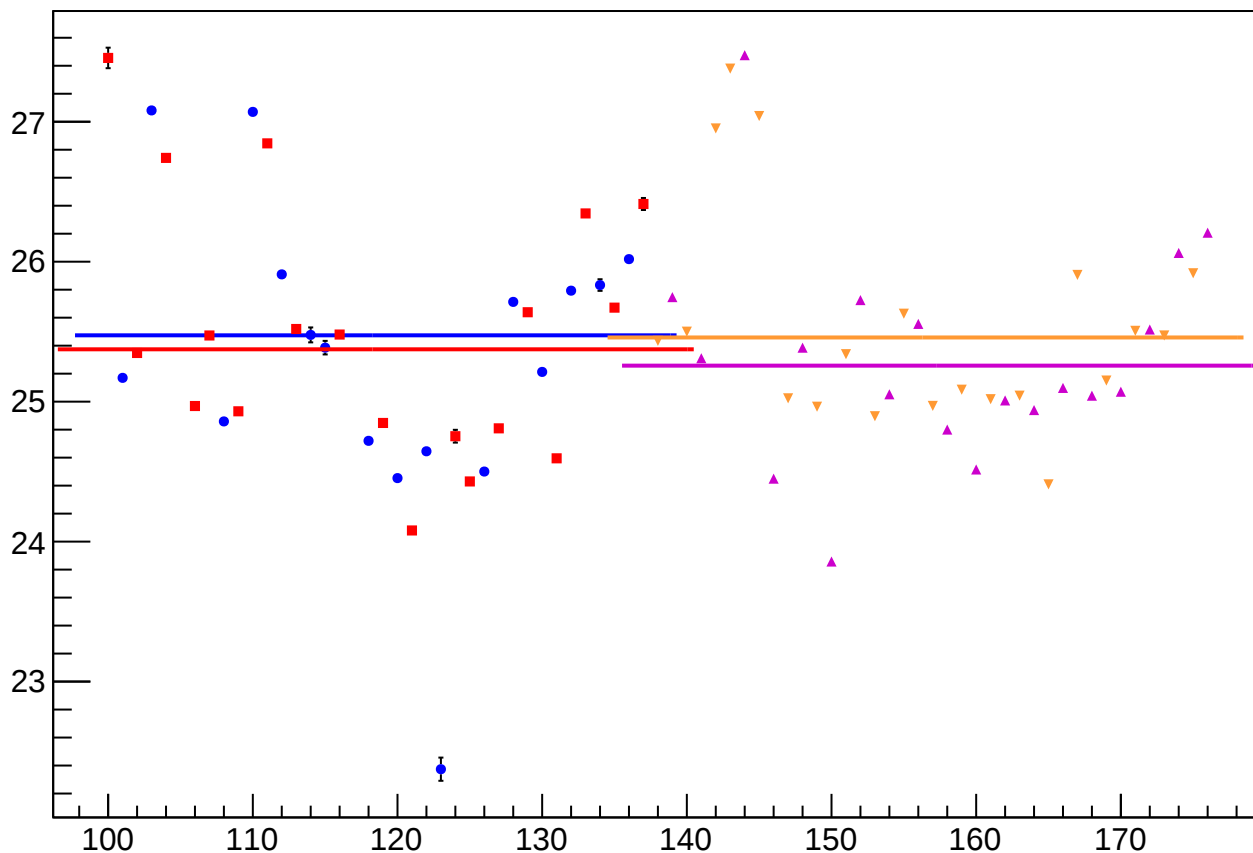
Left In: -2.060 ± 6.605 χ^2/NDF : 15.2/18

+ sign 6.391 ± 5.462 χ^2/NDF : 44.1/36

All: -0.535 ± 3.848 χ^2/NDF : 84.1/74

- sign -7.361 ± 5.423 χ^2/NDF : 36.8/37

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: 25.459+/-0.005 χ^2/NDF : 21752.6/19

Right Out: 25.374+/-0.007 χ^2/NDF : 13581.2/18

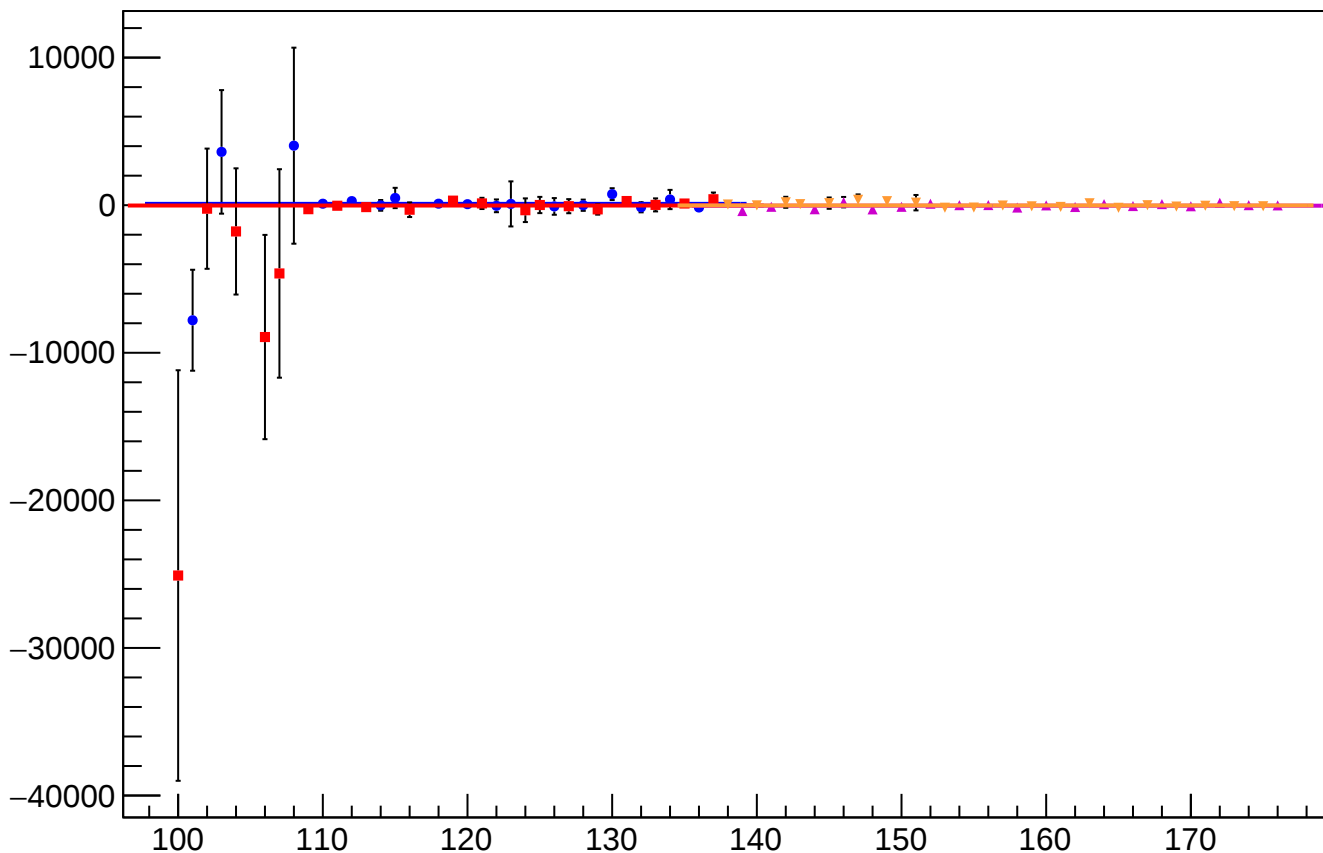
Left In: 25.257+/-0.005 χ^2/NDF : 26387.2/18

+ sign 25.463+/-0.004 χ^2/NDF : 35817.2/36

All: 25.379+/-0.003 χ^2/NDF : 76942.2/74

- sign 25.295+/-0.004 χ^2/NDF : 40172.1/37

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: -16.815+/-57.913 χ^2/NDF : 4.9/19

Right Out: -22.614+/-80.902 χ^2/NDF : 11.9/18

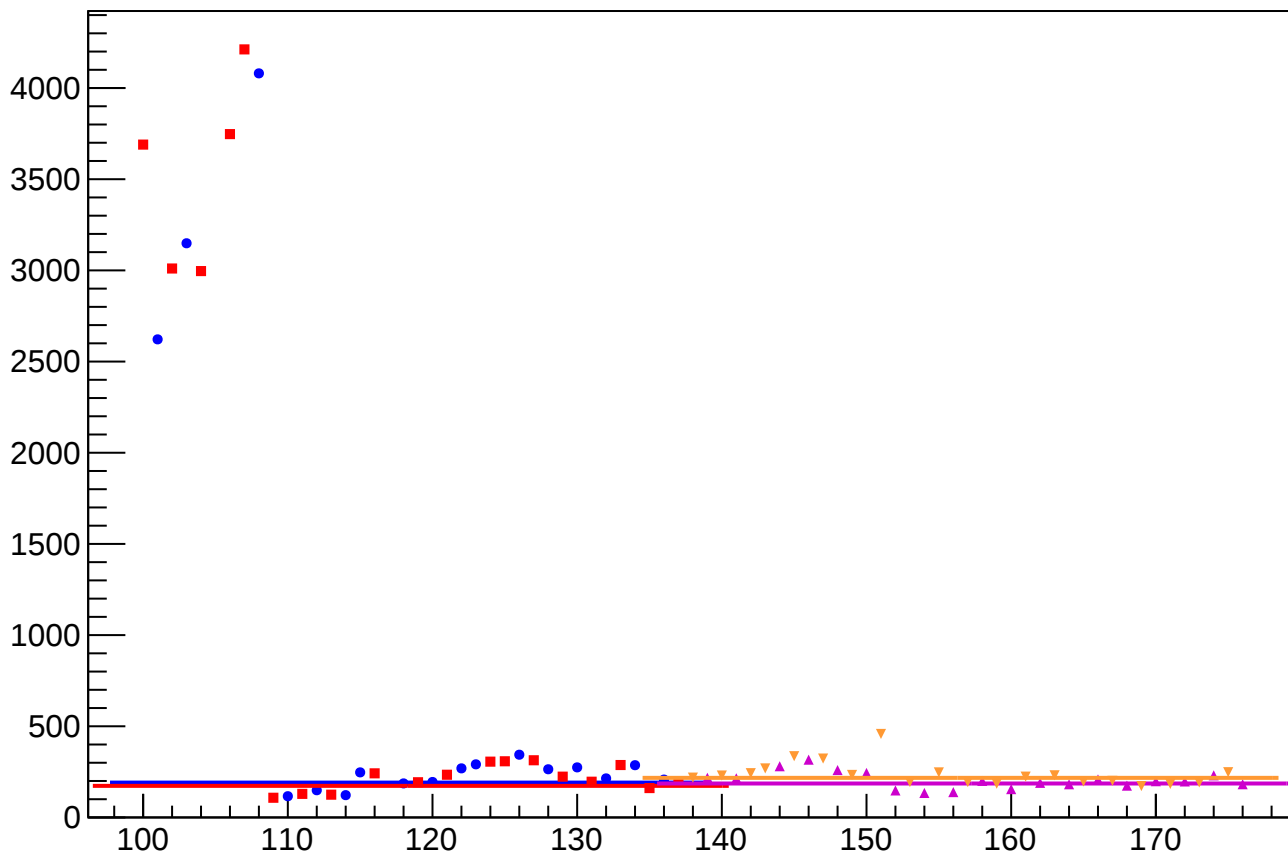
Left In: -34.636+/-51.015 χ^2/NDF : 6.1/18

+ sign 15.539+/-48.315 χ^2/NDF : 18.3/36

All: -10.469+/-32.184 χ^2/NDF : 36.8/74

- sign -31.216+/-43.152 χ^2/NDF : 18.0/37

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: 217.168+/-0.041 χ^2/NDF :1201897.8/19

Right Out: 173.269+/-0.057 χ^2/NDF : 4207191.5/18

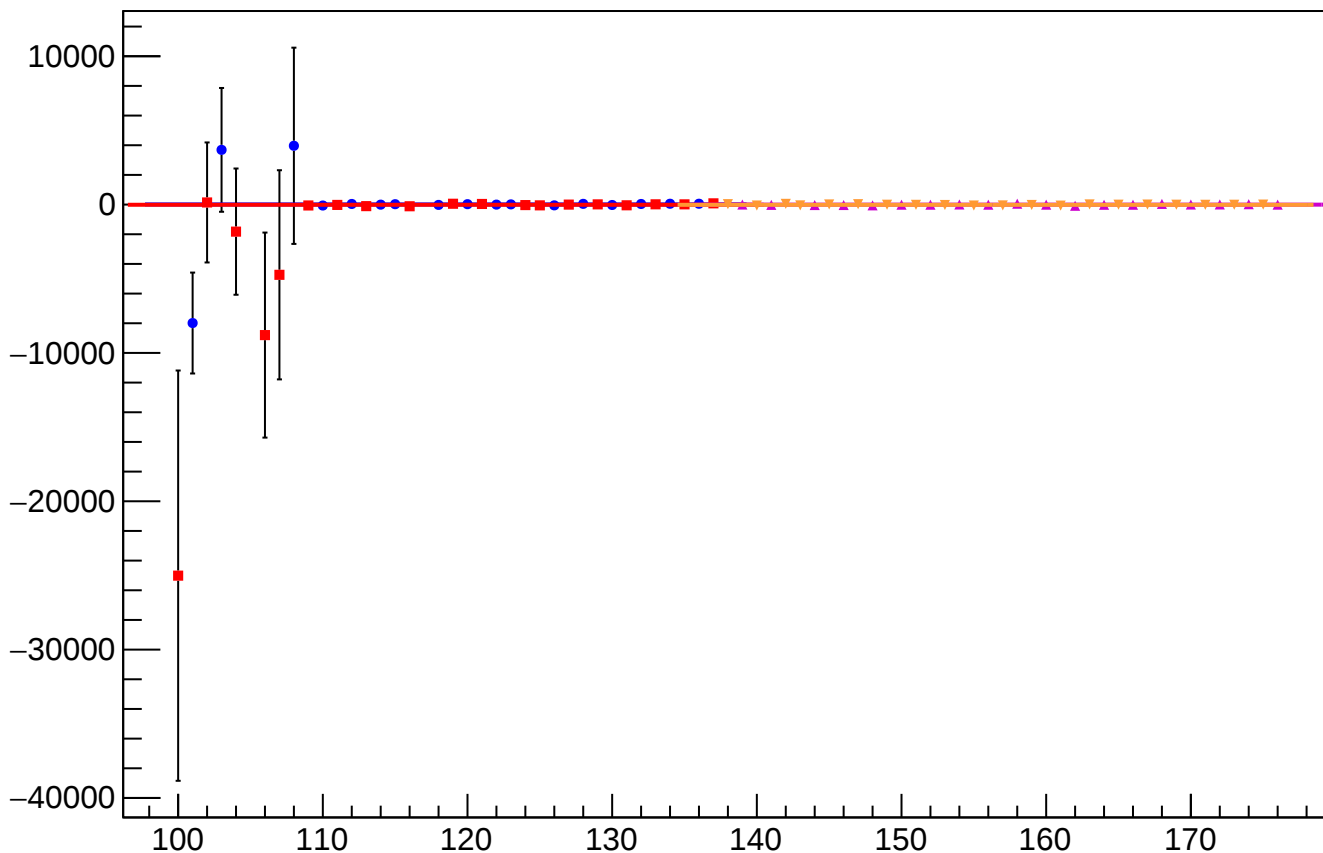
Left In: 186.193+/-0.036 χ^2/NDF :1372984.4/18

+ sign 209.271+/-0.034 χ^2/NDF : 4895980.4/36

All: 194.388+/-0.023 χ^2/NDF : 10853831.1/74

- sign 182.516+/-0.031 χ^2/NDF : 5616695.7/37

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: -16.408+/-7.465 χ^2/NDF : 16.4/19

Right Out: -12.947+/-12.227 χ^2/NDF : 24.4/18

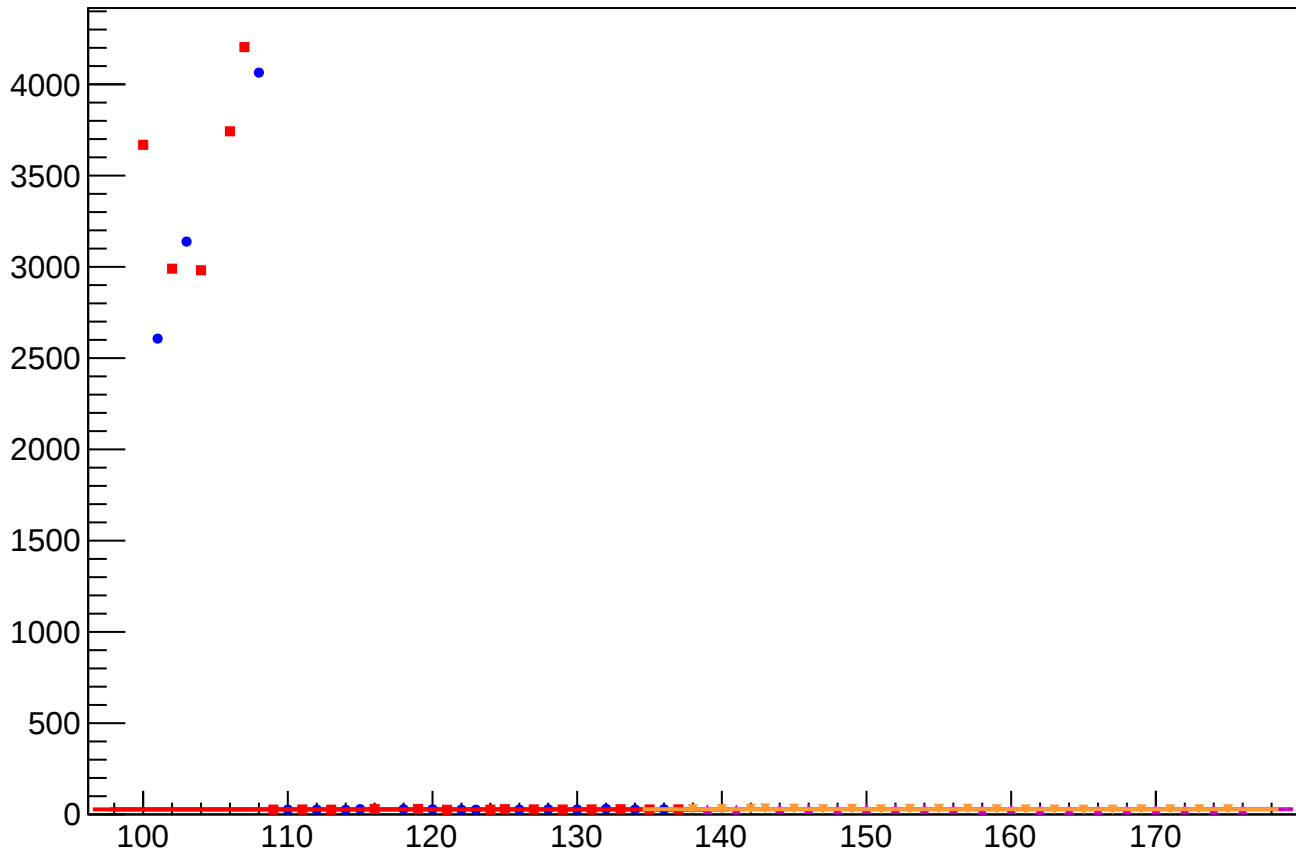
Left In: -4.697+/-7.518 χ^2/NDF : 18.7/18

+ sign -9.097+/-6.366 χ^2/NDF : 38.2/36

All: -8.035+/-4.515 χ^2/NDF : 81.7/74

- sign -6.960+/-6.404 χ^2/NDF : 43.4/37

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: 28.867 $\pm$ 0.005 χ^2 /NDF: 96589.8/19

Right Out: 27.694 $\pm$ 0.009 χ^2 /NDF: 3476801.0/18

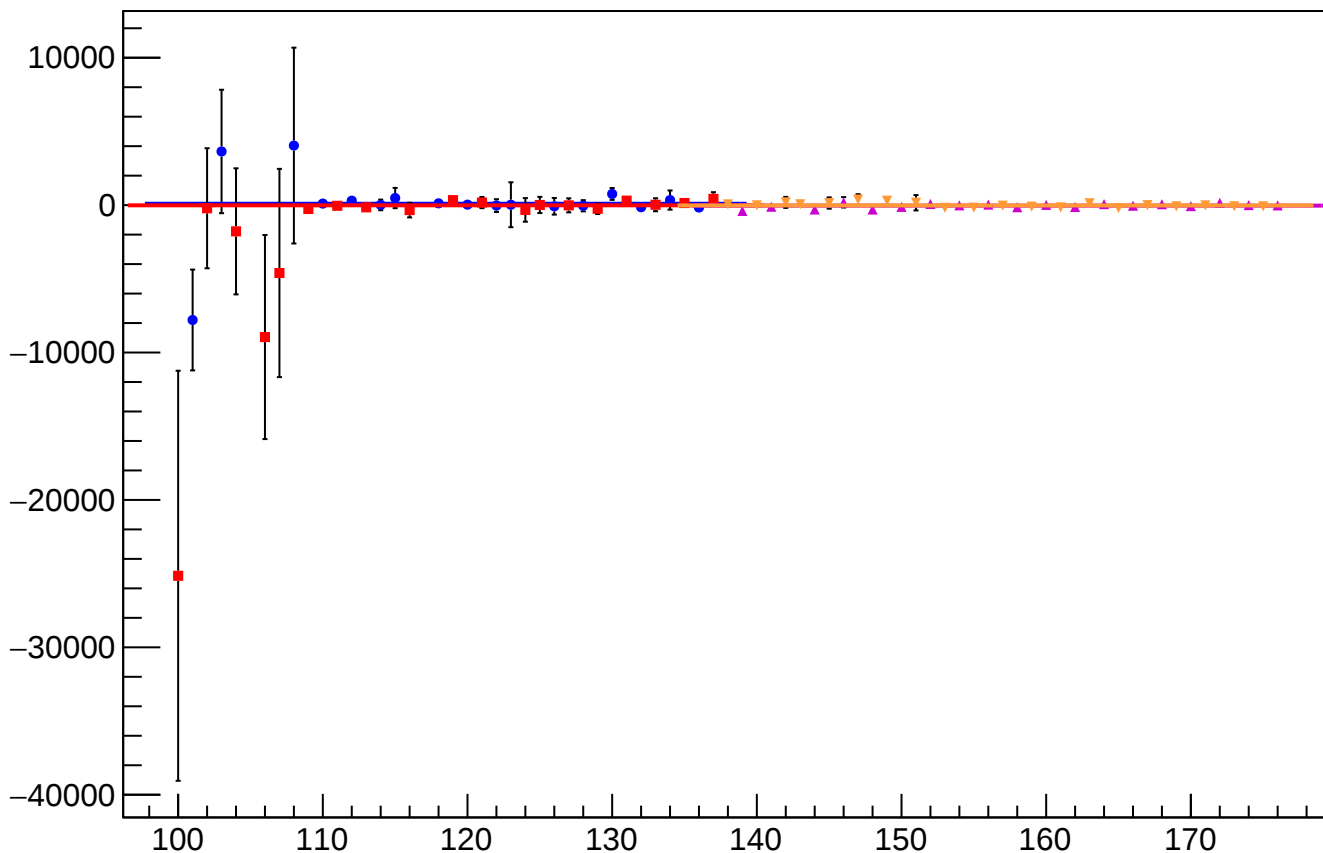
Left In: 28.678 $\pm$ 0.005 χ^2 /NDF: 116574.2/18

+ sign 28.586 $\pm$ 0.005 χ^2 /NDF: 3133868.3/36

All: 28.497 $\pm$ 0.003 χ^2 /NDF: 6737416.7/74

- sign 28.408 $\pm$ 0.005 χ^2 /NDF: 3602772.1/37

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 92.840+/-87.359 χ^2/NDF : 12.6/16

Left Out: -21.191+/-57.788 χ^2/NDF : 5.6/19

Right Out: -12.772+/-80.640 χ^2/NDF : 12.7/18

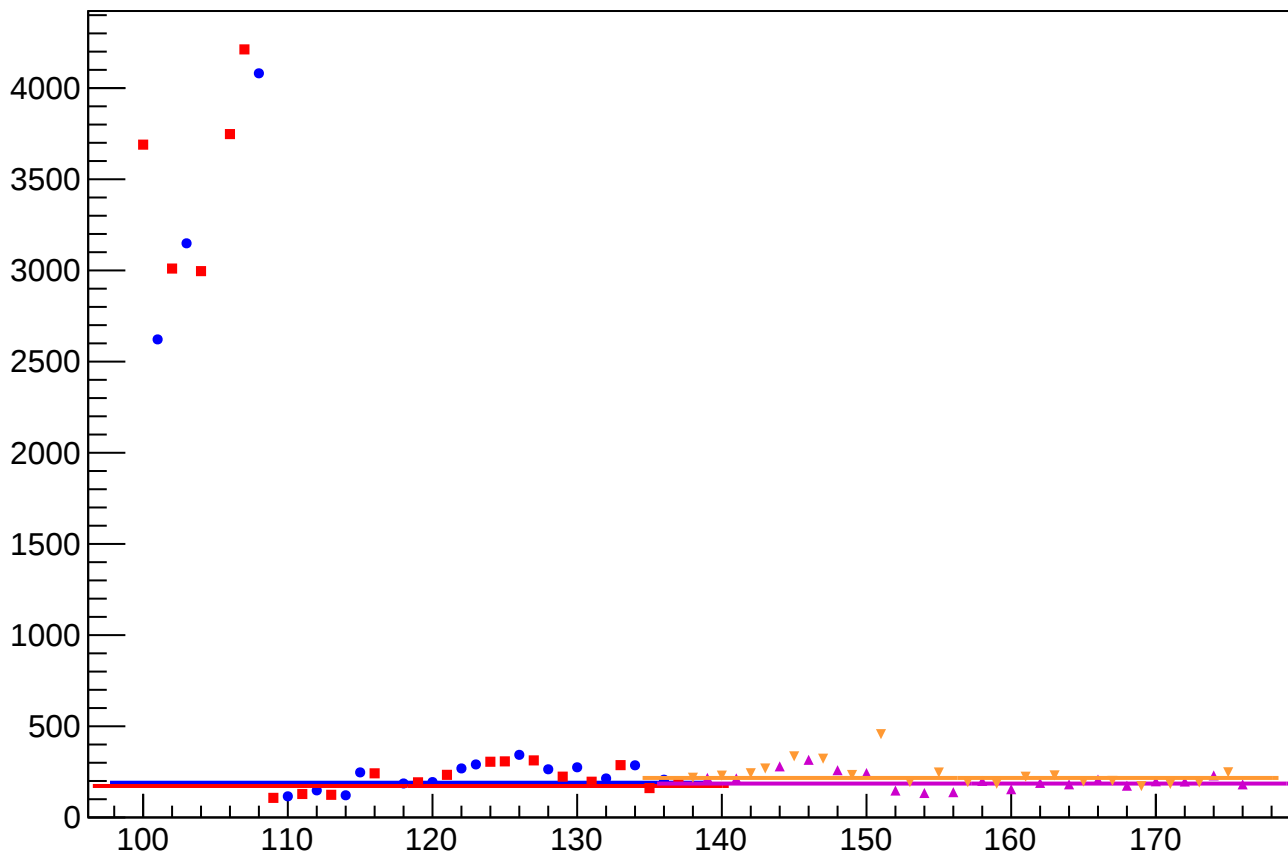
Left In: -33.590+/-50.911 χ^2/NDF : 6.1/18

+ sign 13.518+/-48.197 χ^2/NDF : 19.4/36

All: -9.385+/-32.107 χ^2/NDF : 38.6/74

- sign -27.657+/-43.050 χ^2/NDF : 18.8/37

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: 216.703+/-0.041 χ^2/NDF :1201502.3/19

Right Out: 172.601+/-0.057 χ^2/NDF : 4218384.5/18

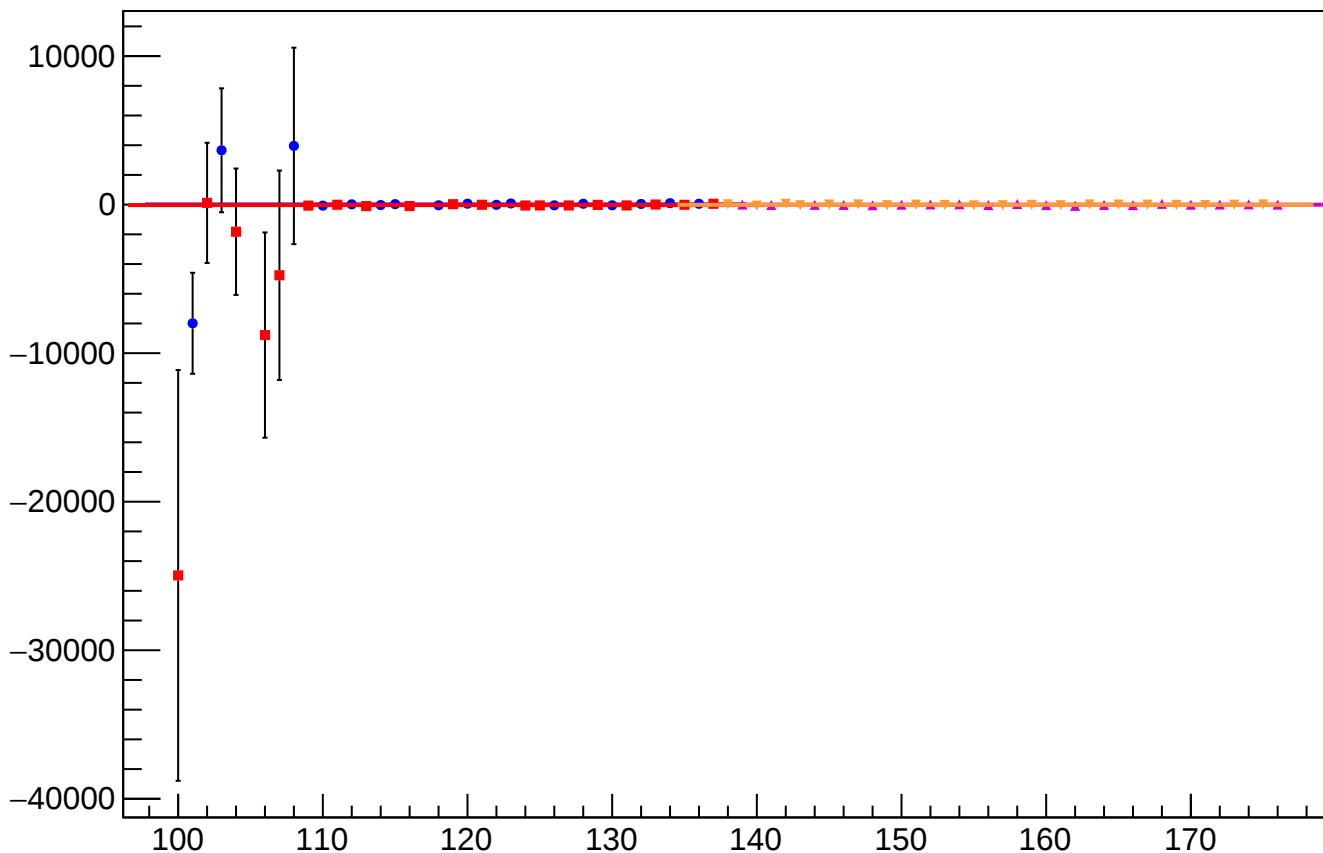
Left In: 185.816+/-0.036 χ^2/NDF :1372821.2/18

+ sign 208.723+/-0.034 χ^2/NDF : 4910379.2/36

All: 193.886+/-0.023 χ^2/NDF : 10880688.4/74

- sign 182.050+/-0.030 χ^2/NDF : 5629607.1/37

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: -12.849 $\pm$ 7.513 χ^2 /NDF:11.5/19

Right Out: -29.627 $\pm$ 12.328 χ^2 /NDF: 16.5/18

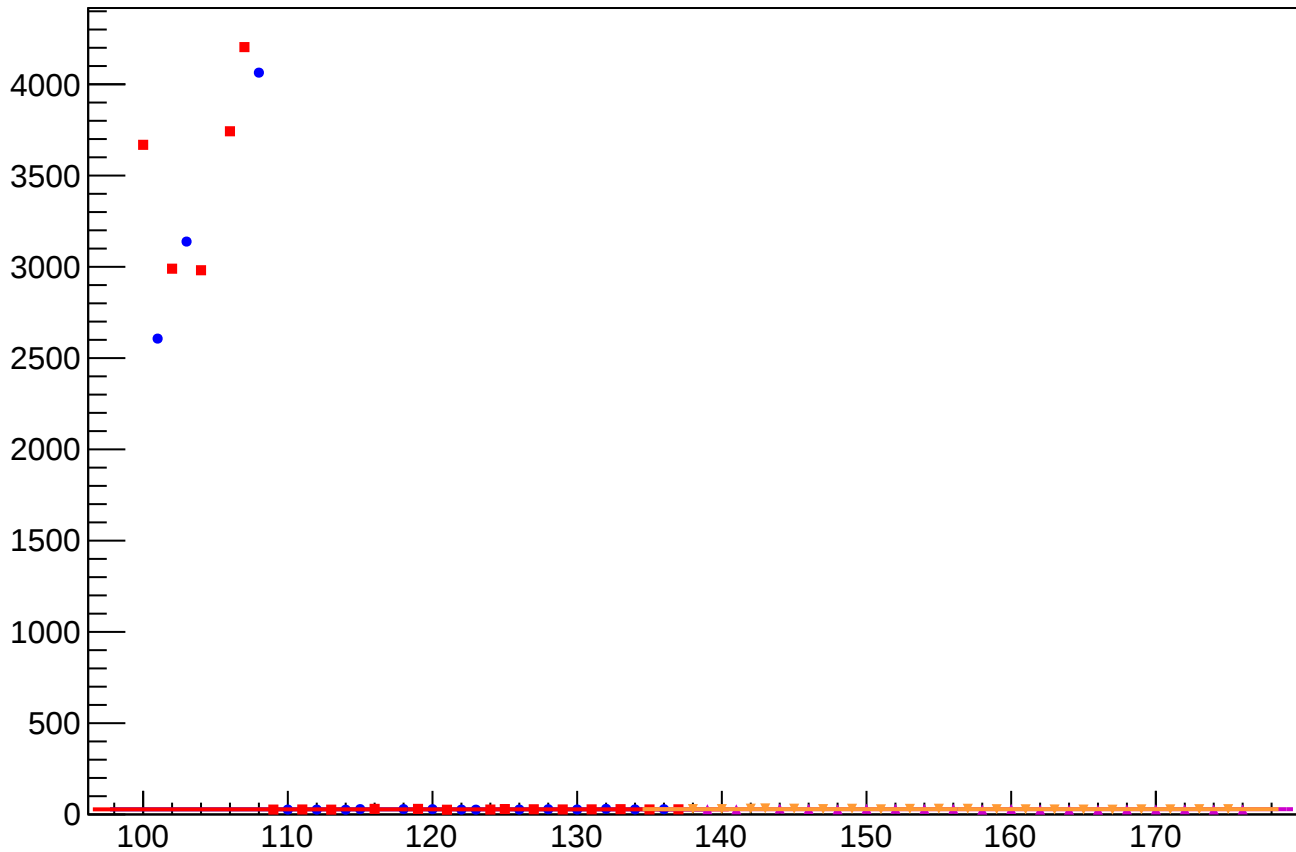
Left In: -3.537 $\pm$ 7.554 χ^2 /NDF:18.5/18

+ sign -6.729 $\pm$ 6.408 χ^2 /NDF: 37.2/36

All: -8.684 $\pm$ 4.543 χ^2 /NDF: 75.7/74

- sign -10.659 $\pm$ 6.441 χ^2 /NDF: 38.3/37

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: 29.051+/-0.005 χ^2/NDF : 102477.6/19

Right Out: 27.917+/-0.009 χ^2/NDF : 3479610.6/18

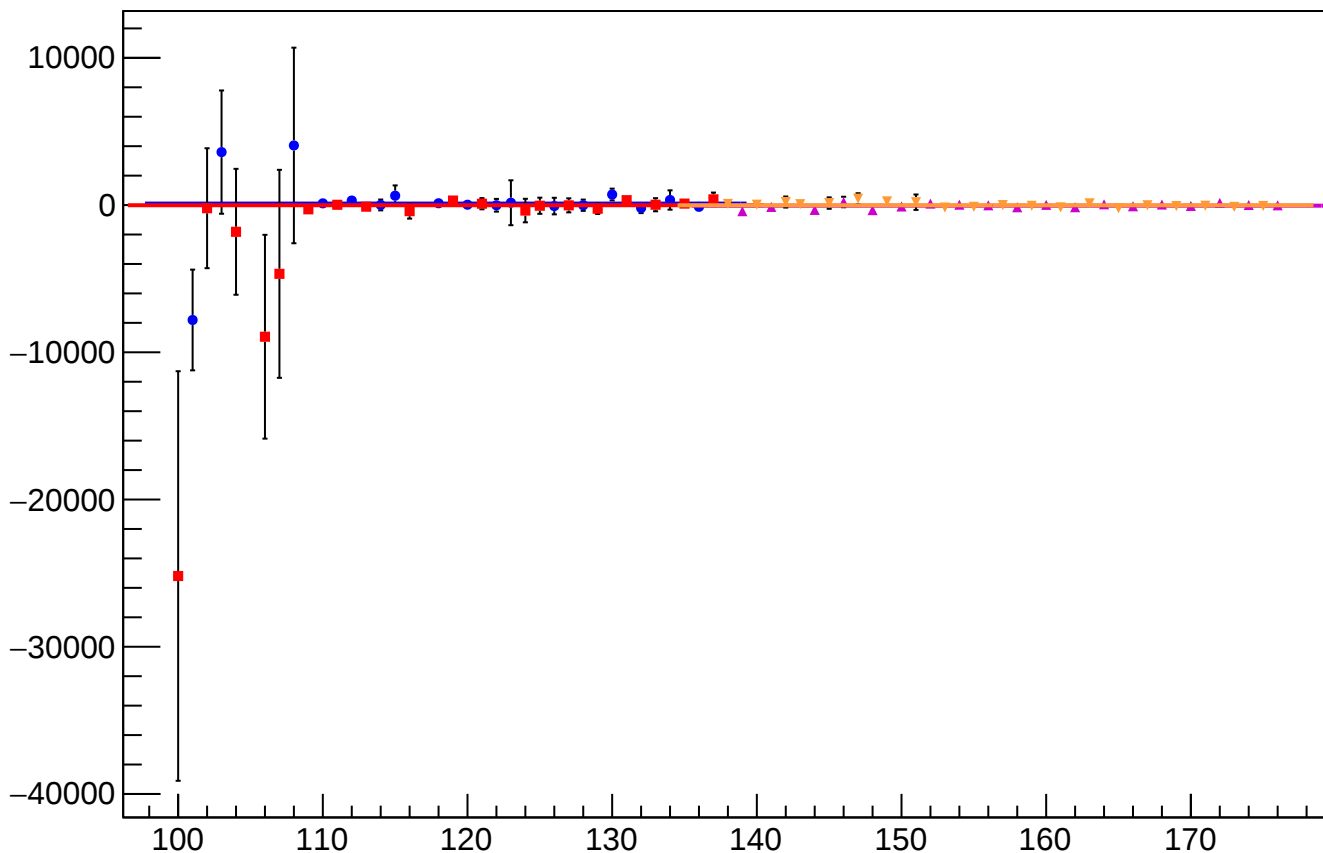
Left In: 28.817+/-0.005 χ^2/NDF : 120222.0/18

+ sign 28.771+/-0.005 χ^2/NDF : 3139696.6/36

All: 28.672+/-0.003 χ^2/NDF : 6748248.5/74

- sign 28.572+/-0.005 χ^2/NDF : 3607588.9/37

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: -13.830 $\pm$ 58.473 χ^2 /NDF: 5.5/19

Right Out: -11.229 $\pm$ 81.728 χ^2 /NDF: 12.2/18

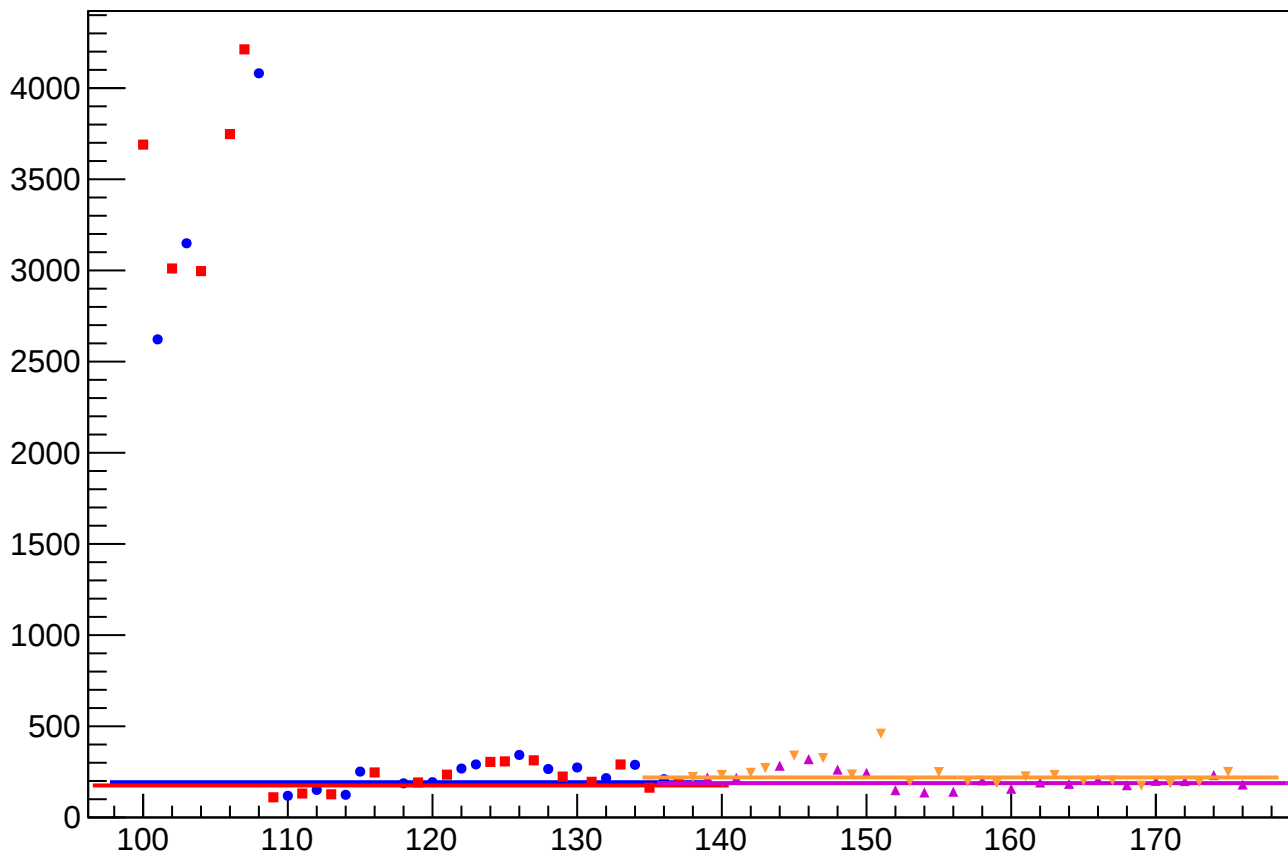
Left In: -40.396 $\pm$ 51.564 χ^2 /NDF: 6.7/18

+ sign 21.360 $\pm$ 48.768 χ^2 /NDF: 19.1/36

All: -8.341 $\pm$ 32.508 χ^2 /NDF: 38.8/74

- sign -32.091 $\pm$ 43.610 χ^2 /NDF: 19.0/37

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: 219.388+/-0.041 χ^2/NDF : 1186350.0/19

Right Out: 175.485+/-0.058 χ^2/NDF : 4165391.7/18

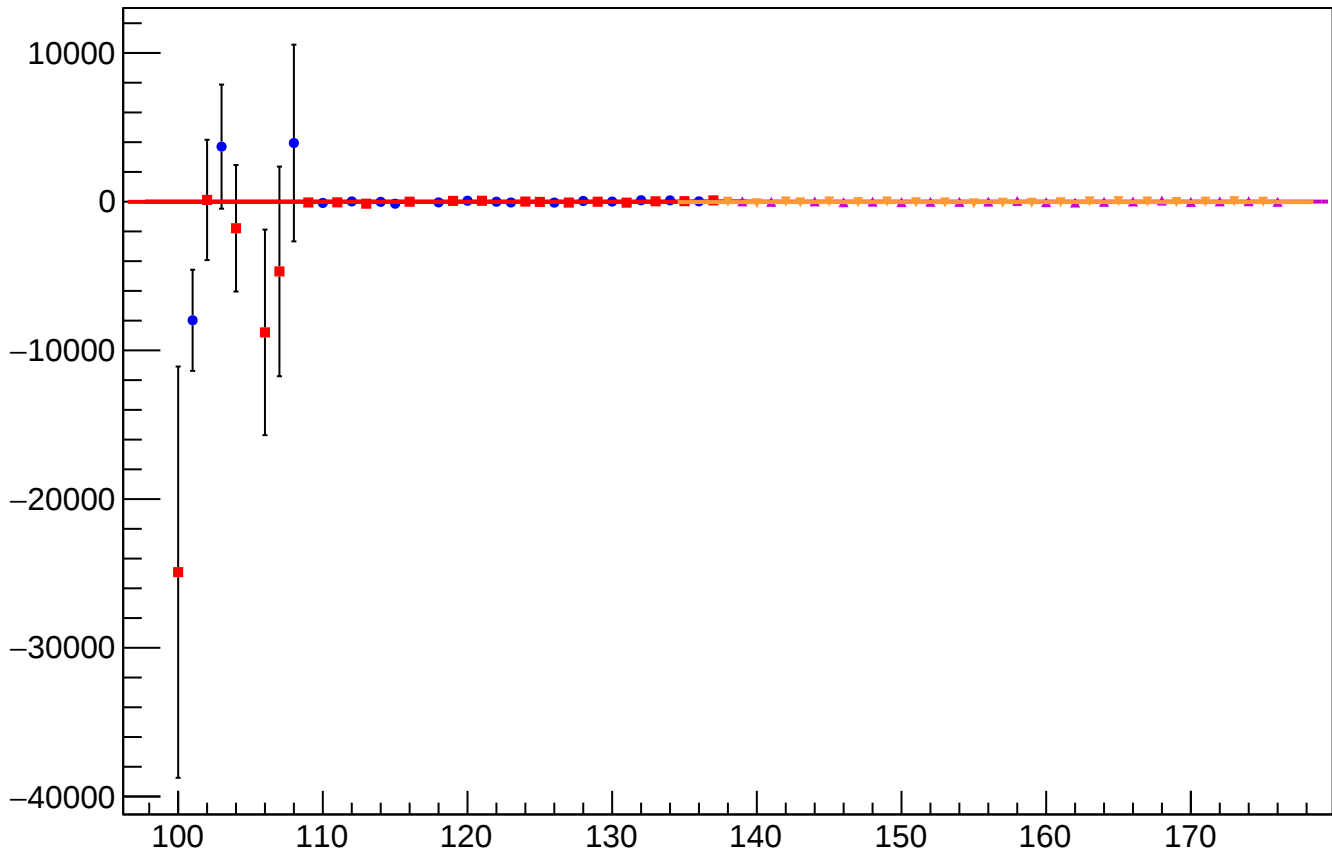
Left In: 188.351+/-0.036 χ^2/NDF : 1342539.5/18

+ sign 211.413+/-0.034 χ^2/NDF : 4844678.9/36

All: 196.563+/-0.023 χ^2/NDF : 10721800.6/74

- sign 184.688+/-0.031 χ^2/NDF : 5543382.5/37

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: -26.267 ± 8.977 χ^2/NDF : 21.3/19

Right Out: -12.487 ± 14.947 χ^2/NDF : 21.7/18

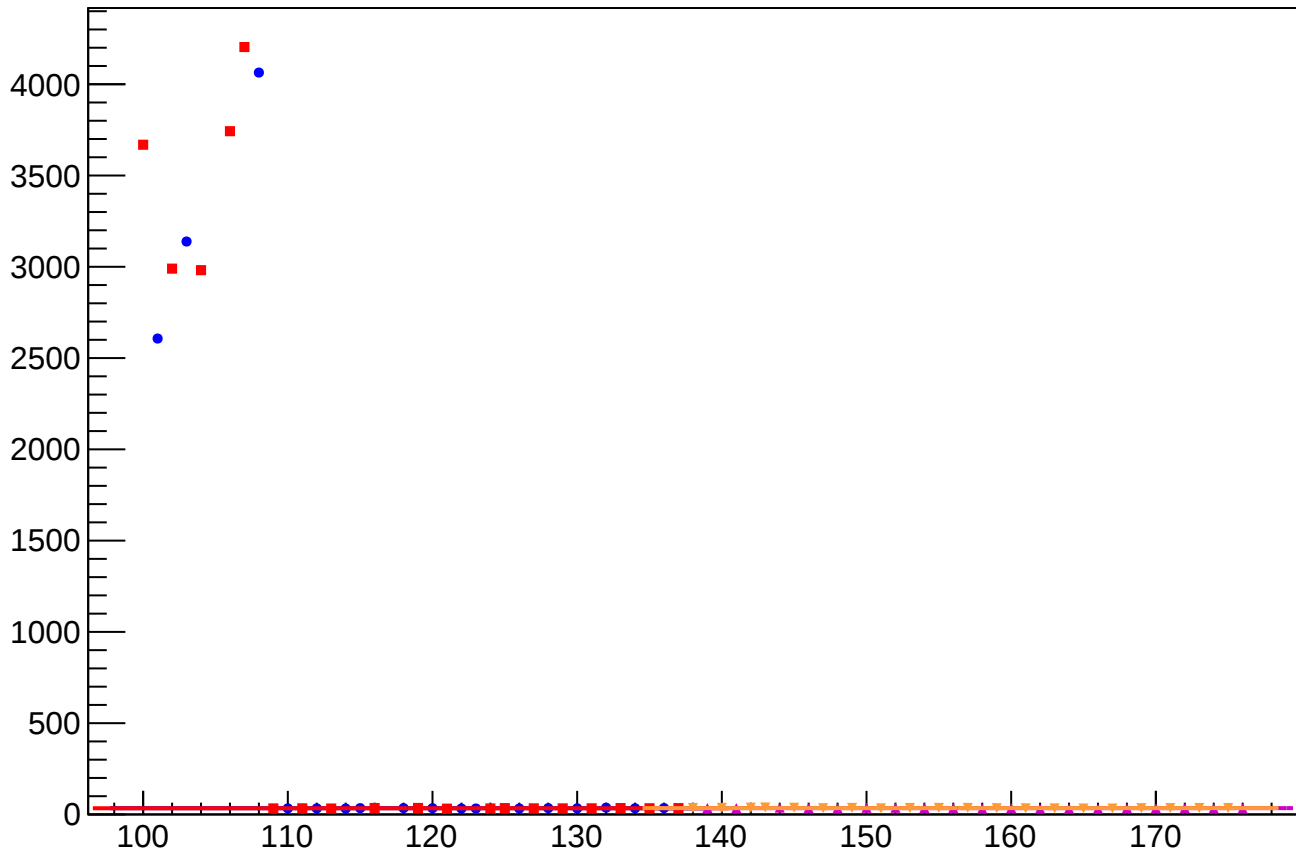
Left In: 4.921 ± 9.051 χ^2/NDF : 12.8/18

+ sign -18.061 ± 7.694 χ^2/NDF : 44.9/36

All: -8.963 ± 5.457 χ^2/NDF : 83.2/74

- sign 0.251 ± 7.742 χ^2/NDF : 35.5/37

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: 34.766 $\pm$ 0.006 χ^2 /NDF: 47649.7/19

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451888.1/18

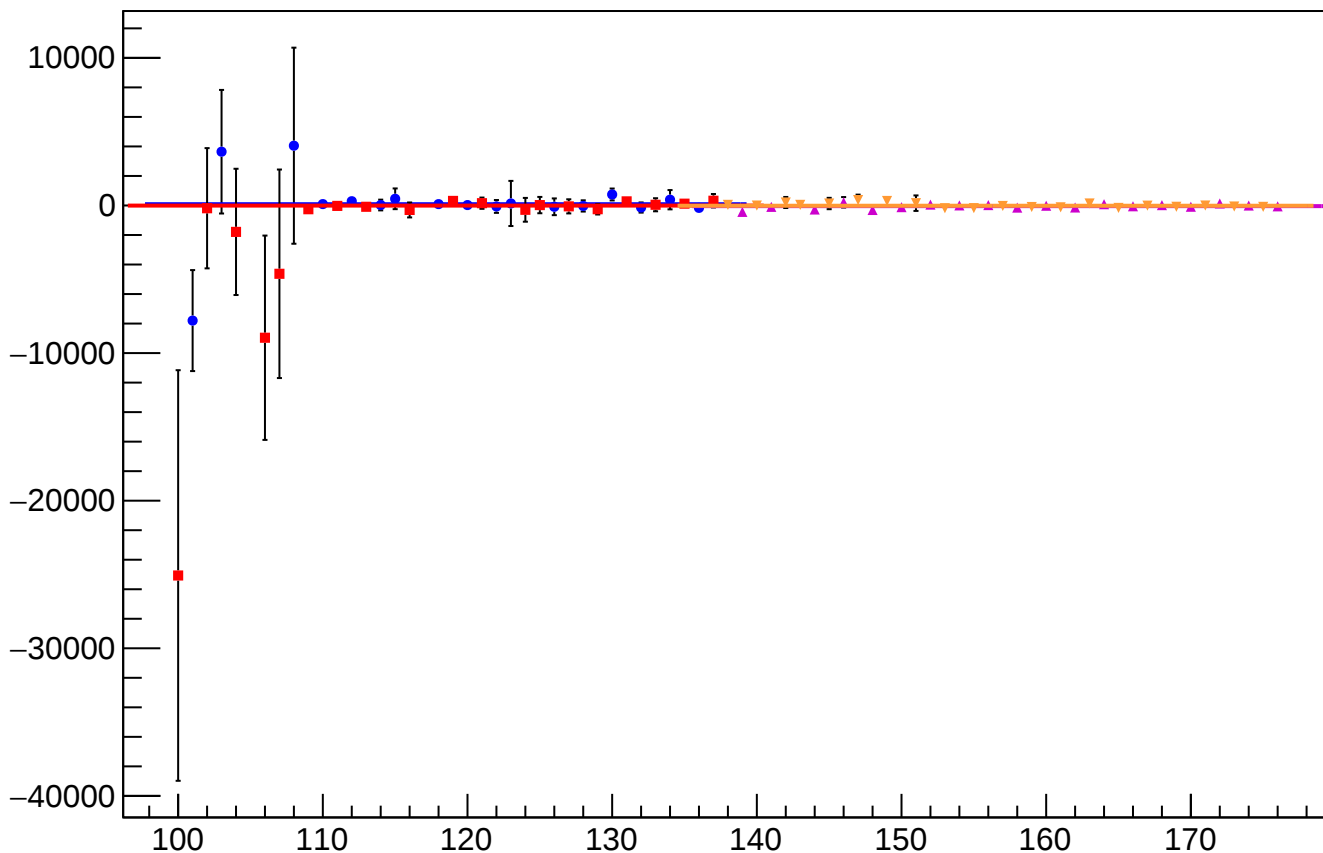
Left In: 34.592 $\pm$ 0.006 χ^2 /NDF: 54079.6/18

+ sign 34.599 $\pm$ 0.005 χ^2 /NDF: 3056501.4/36

All: 34.505 $\pm$ 0.004 χ^2 /NDF: 6566094.8/74

- sign 34.409 $\pm$ 0.005 χ^2 /NDF: 3508989.3/37

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: -17.501+/-58.364 χ^2/NDF : 5.4/19

Right Out: -7.296+/-81.208 χ^2/NDF : 11.1/18

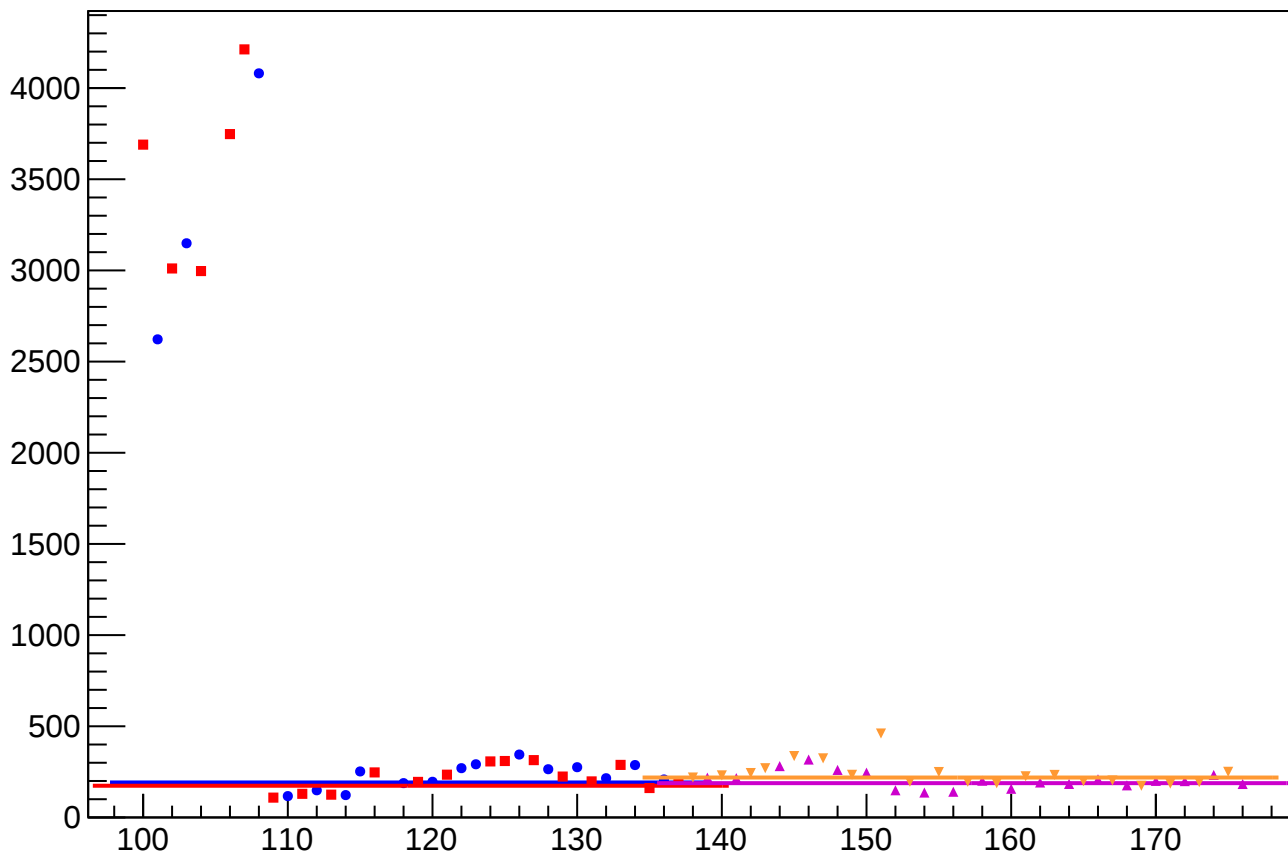
Left In: -44.099+/-51.494 χ^2/NDF : 6.1/18

+ sign 14.157+/-48.630 χ^2/NDF : 18.8/36

All: -12.349+/-32.417 χ^2/NDF : 36.6/74

- sign -33.545+/-43.488 χ^2/NDF : 17.3/37

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: 218.979 $\pm$ 0.041 χ^2 /NDF:1179410.7/19

Right Out: 173.928 $\pm$ 0.057 χ^2 /NDF: 4211385.1/18

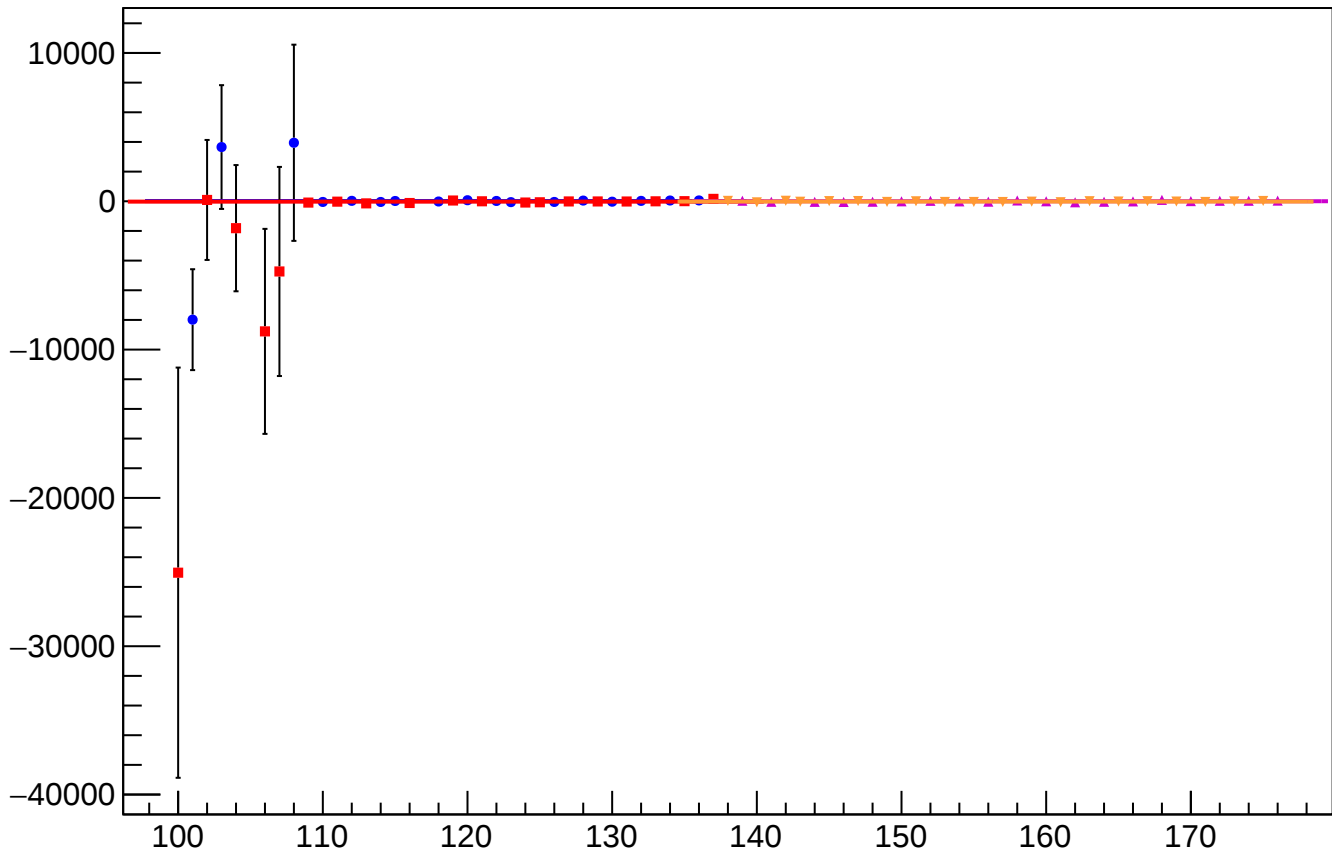
Left In: 188.106 $\pm$ 0.036 χ^2 /NDF:1331208.6/18

+ sign 210.693 $\pm$ 0.034 χ^2 /NDF: 4884295.4/36

All: 195.883 $\pm$ 0.023 χ^2 /NDF: 10804203.1/74

- sign 184.040 $\pm$ 0.031 χ^2 /NDF: 5586073.9/37

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: -18.800+/-8.125 χ^2/NDF : 13.5/19

Right Out: -23.374+/-13.655 χ^2/NDF : 27.5/18

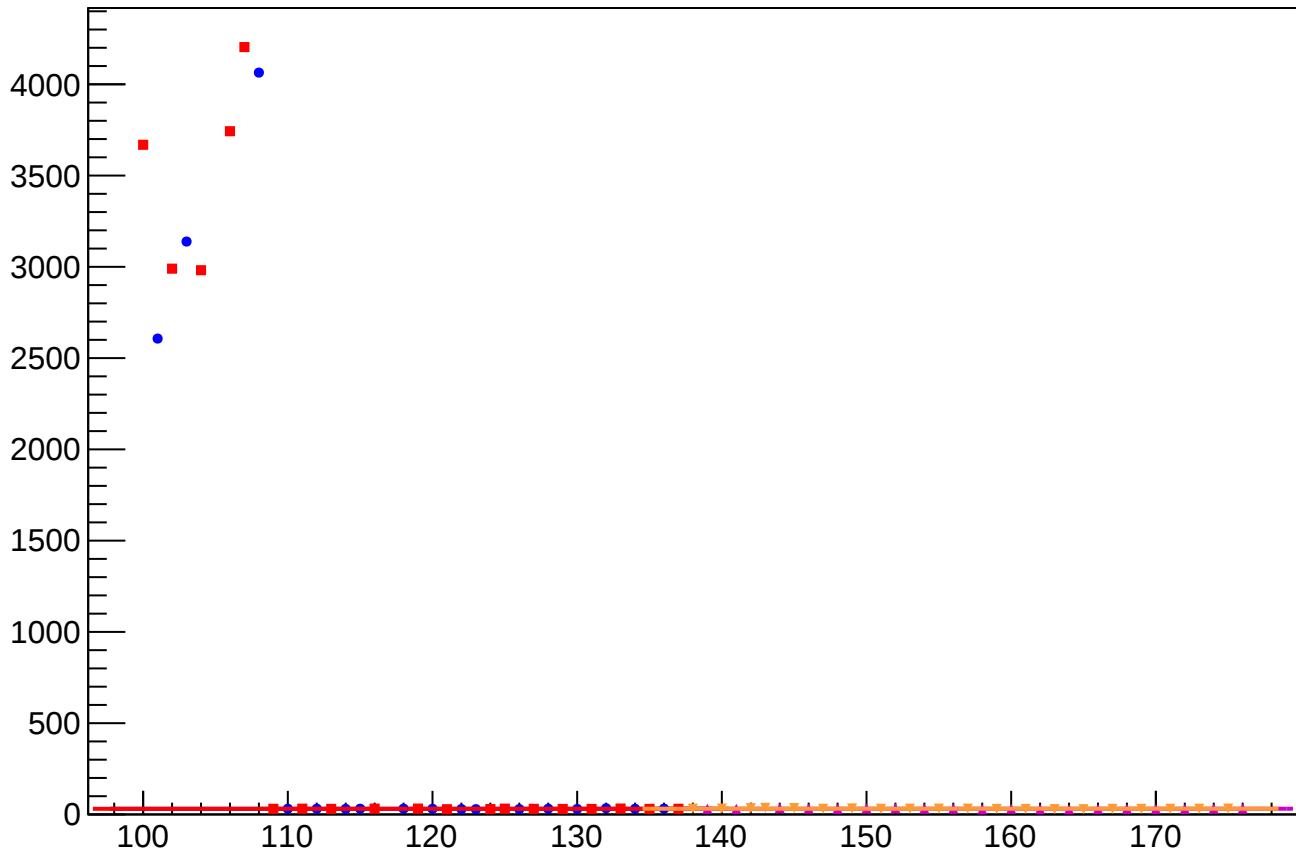
Left In: 3.183+/-8.226 χ^2/NDF : 25.0/18

+ sign -10.157+/-6.978 χ^2/NDF : 33.0/36

All: -7.053+/-4.958 χ^2/NDF : 88.6/74

- sign -3.888+/-7.046 χ^2/NDF : 55.2/37

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: 31.440 $\pm$ 0.006 χ^2 /NDF: 73792.4/19

Right Out: 30.963 $\pm$ 0.010 χ^2 /NDF: 3458945.1/18

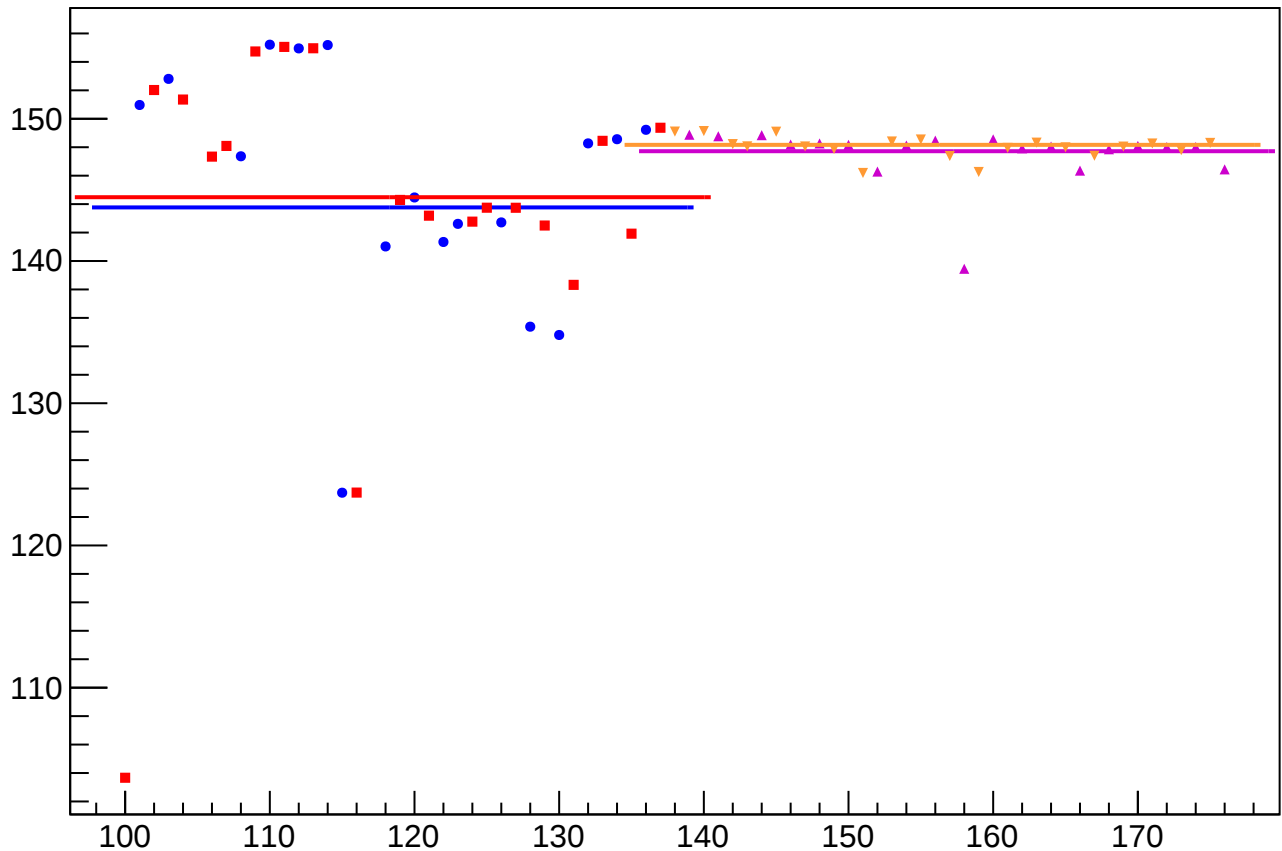
Left In: 31.397 $\pm$ 0.006 χ^2 /NDF: 84580.7/18

+ sign 31.358 $\pm$ 0.005 χ^2 /NDF: 3088998.1/36

All: 31.320 $\pm$ 0.004 χ^2 /NDF: 6634121.2/74

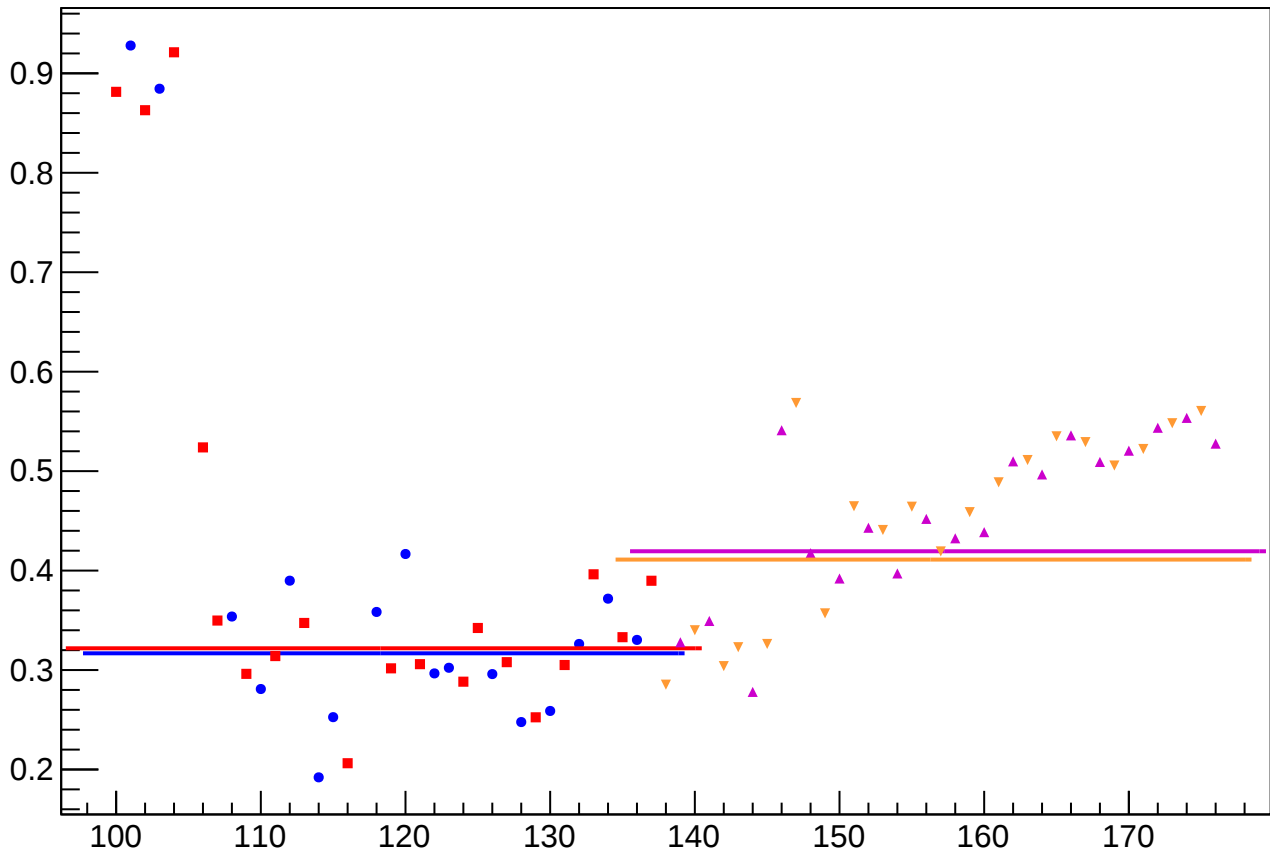
- sign 31.281 $\pm$ 0.005 χ^2 /NDF: 3545004.1/37

yield_bcm_an_ds_mean vs Slug



Right In: 143.768 $\pm$ 0.000	χ^2 /NDF: 3532173868.5/16	+ sign 146.385 $\pm$ 0.000	χ^2 /NDF: 4225850900.7/36
Left Out: 148.167 $\pm$ 0.000	χ^2 /NDF: 52918458.6/19	All: 146.370 $\pm$ 0.000	χ^2 /NDF: 9080552678.1
Right Out: 144.486 $\pm$ 0.000	χ^2 /NDF: 4183608291.3/18	- sign 146.354 $\pm$ 0.000	χ^2 /NDF: 4854635399.1/37
Left In: 147.720 $\pm$ 0.000	χ^2 /NDF: 329117172.4/18		

yield_bcm_an_ds_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1278613.2/16

Left Out: 0.411 ± 0.000 χ^2/NDF : 1417552.1/19

Right Out: 0.322 ± 0.000 χ^2/NDF : 1217762.5/18

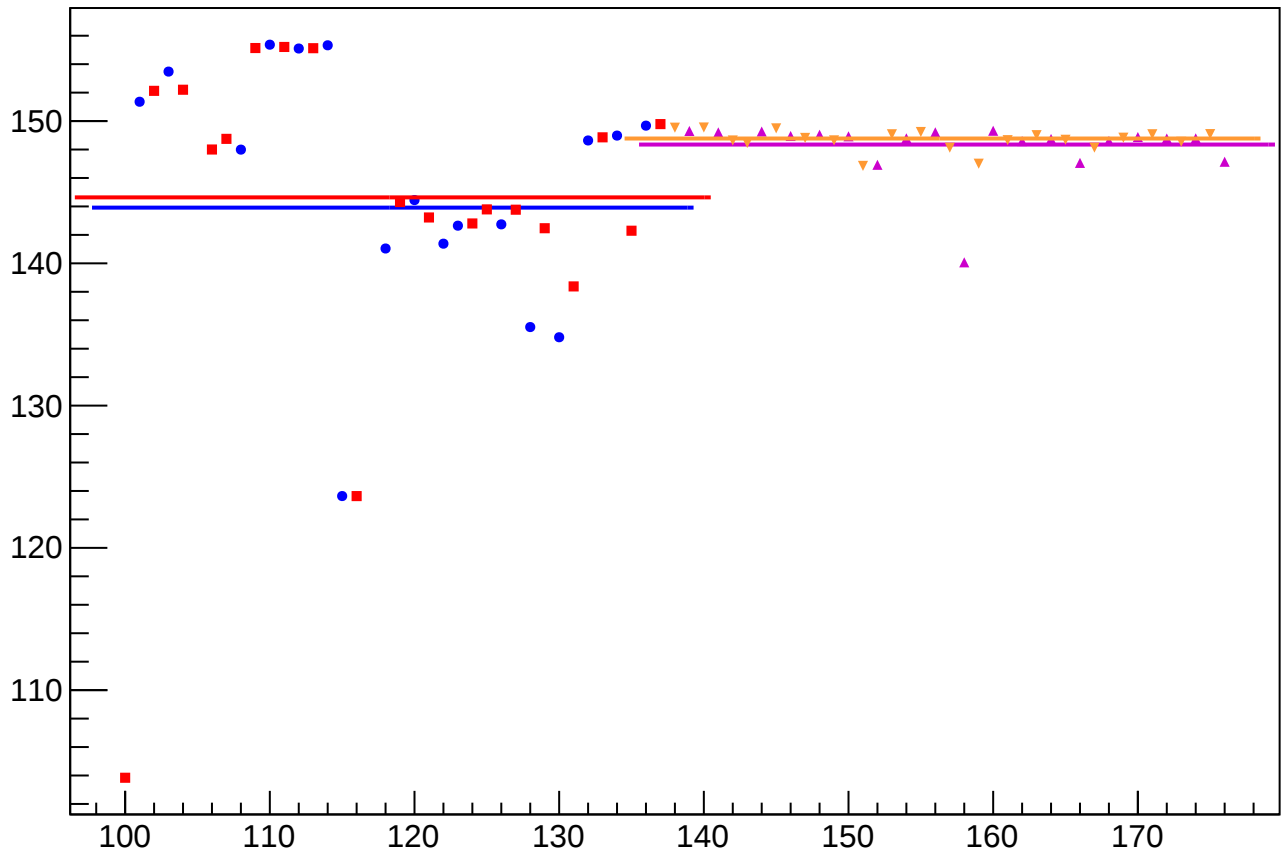
Left In: 0.419 ± 0.000 χ^2/NDF : 1161044.3/18

+ sign 0.373 ± 0.000 χ^2/NDF : 3284439.9/36

All: 0.376 ± 0.000 χ^2/NDF : 6289387.7/74

- sign 0.378 ± 0.000 χ^2/NDF : 3001082.1/37

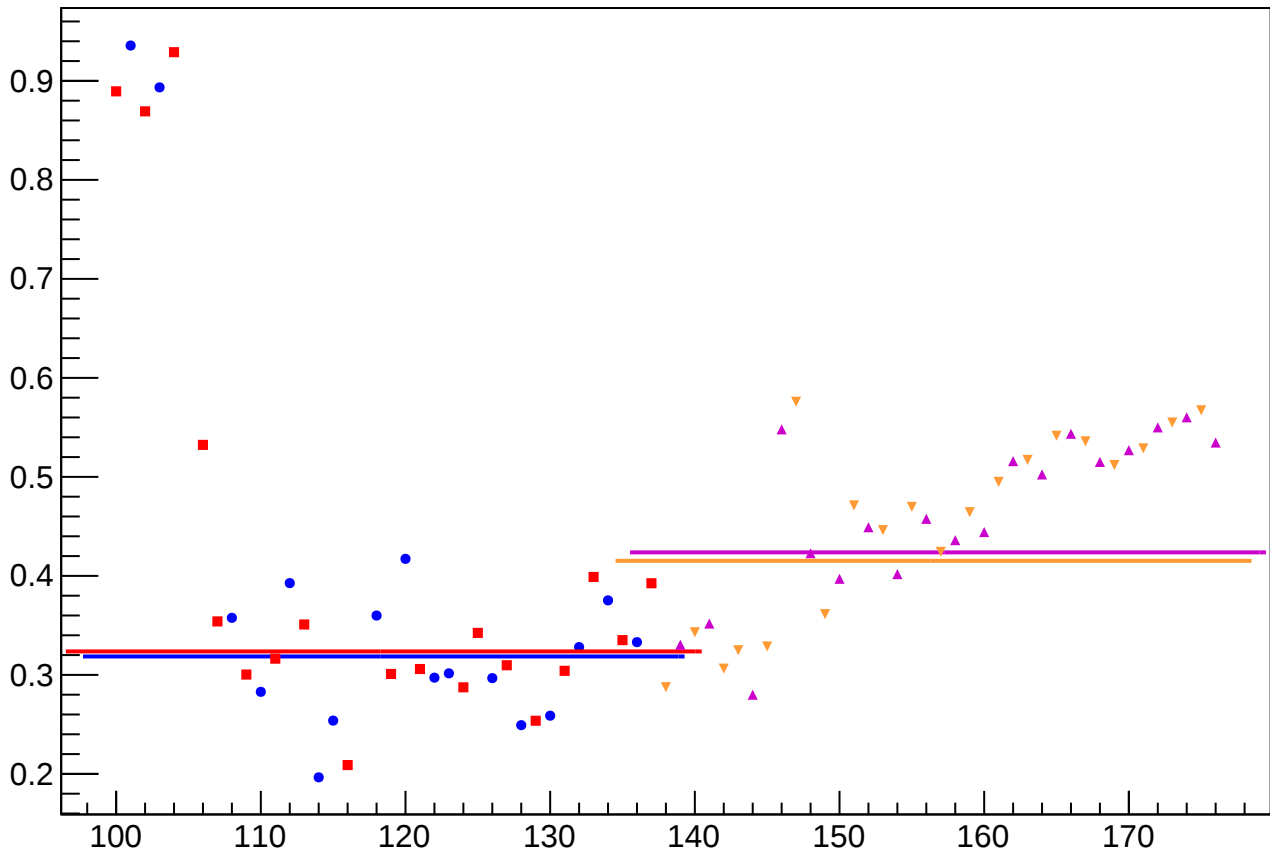
yield_bcm_an_ds3_mean vs Slug



Right In: 143.917 $\pm$ 0.000 χ^2 /NDF: 3584662767.5/16
 Left Out: 148.774 $\pm$ 0.000 χ^2 /NDF: 41596405.0/19
 Right Out: 144.637 $\pm$ 0.000 χ^2 /NDF: 4210524953.9/18
 Left In: 148.350 $\pm$ 0.000 χ^2 /NDF: 318527335.2/18

+ sign 146.795 $\pm$ 0.000 χ^2 /NDF: 4395660114.6/36
 All: 146.784 $\pm$ 0.000 χ^2 /NDF: 9368376491.1
 - sign 146.773 $\pm$ 0.000 χ^2 /NDF: 4972684020.7/37

yield_bcm_an_ds3_rms vs Slug



Right In: 0.319 ± 0.000 χ^2/NDF : 1280748.9/16

Left Out: 0.415 ± 0.000 χ^2/NDF : 1442123.9/19

Right Out: 0.324 ± 0.000 χ^2/NDF : 1220898.3/18

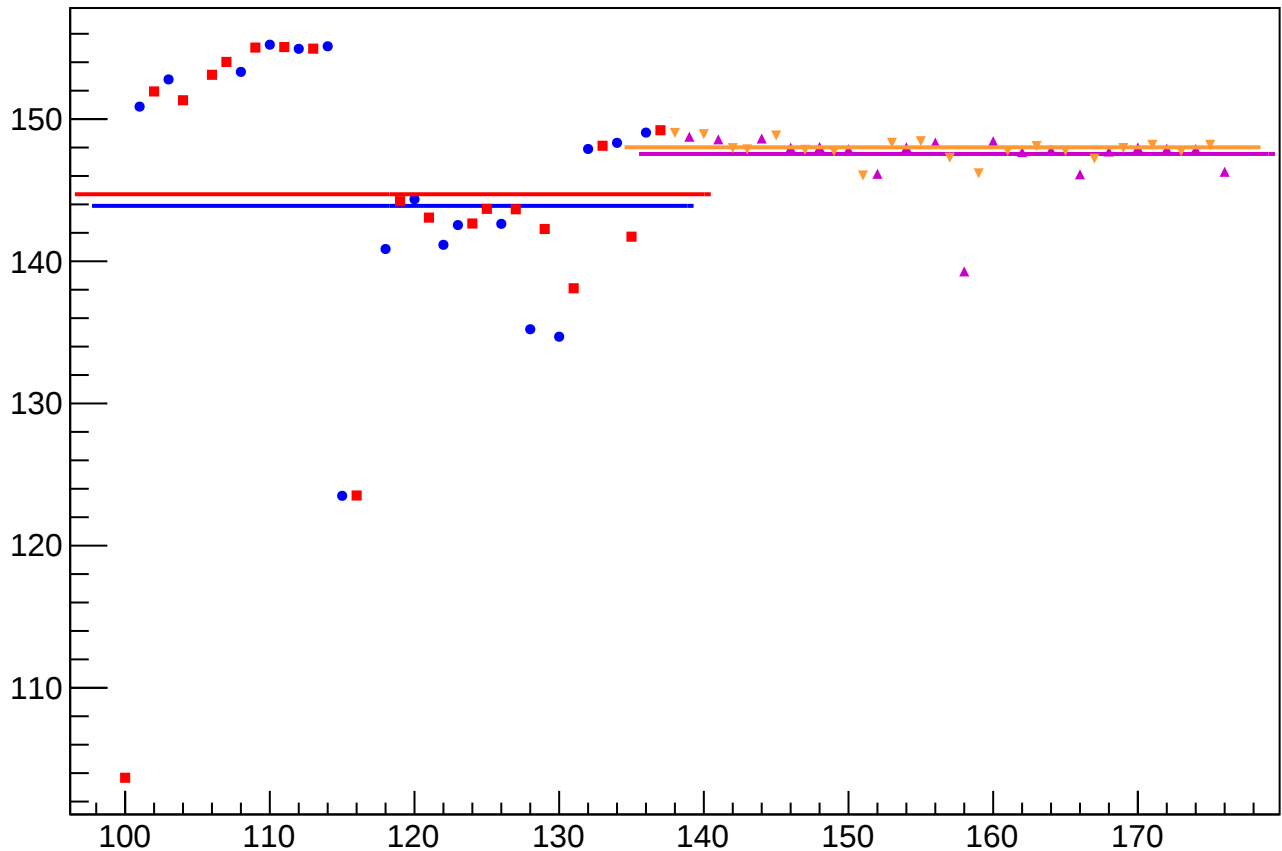
Left In: 0.424 ± 0.000 χ^2/NDF : 1182663.5/18

+ sign 0.376 ± 0.000 χ^2/NDF : 3331509.2/36

All: 0.379 ± 0.000 χ^2/NDF : 6383266.8/74

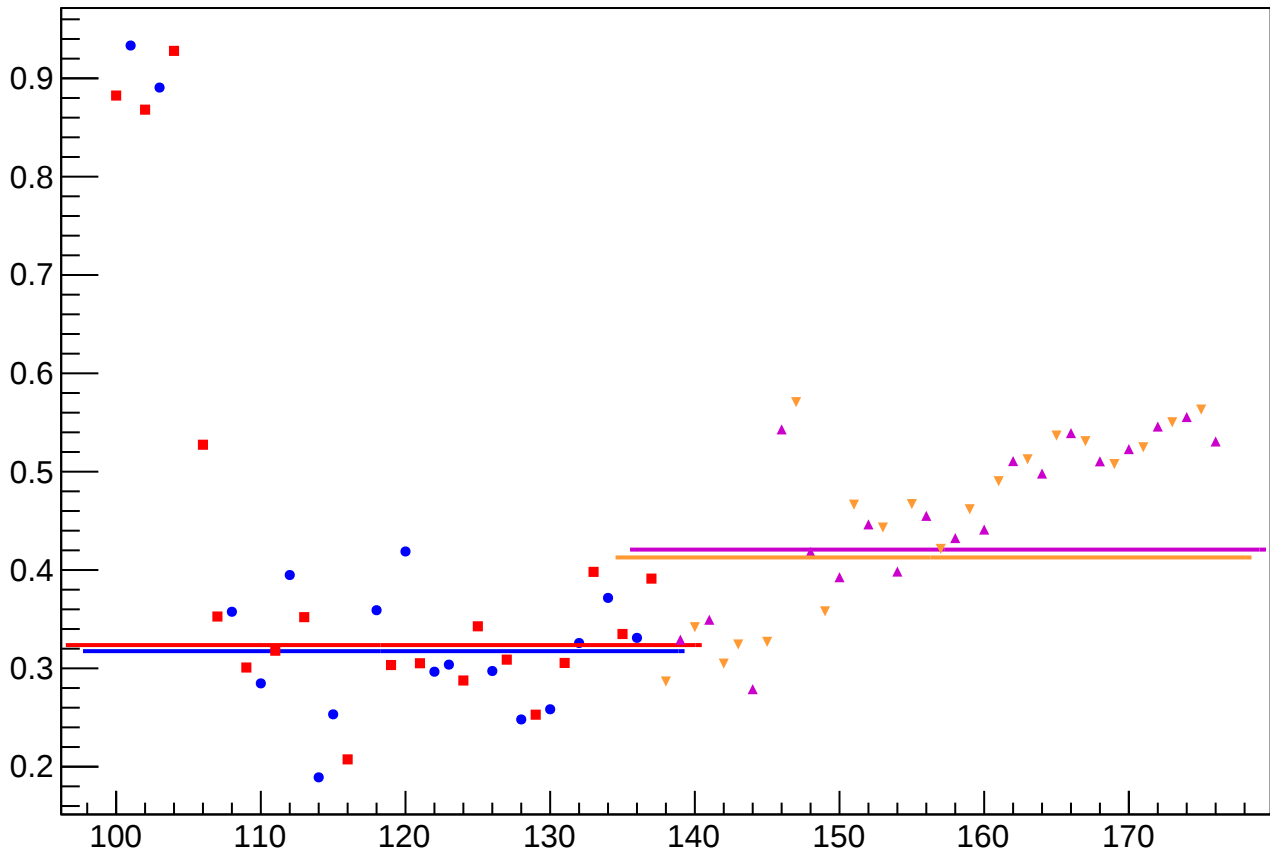
- sign 0.381 ± 0.000 χ^2/NDF : 3047834.4/37

yield_bcm_an_us_mean vs Slug



Right In: 143.899 $\pm$ 0.000	χ^2 /NDF: 3749888331.0/16	+ sign 146.346 $\pm$ 0.000	χ^2 /NDF: 4358628749.5/36
Left Out: 148.016 $\pm$ 0.000	χ^2 /NDF: 51300128.9/19	All: 146.350 $\pm$ 0.000	χ^2 /NDF: 9421234256.6
Right Out: 144.715 $\pm$ 0.000	χ^2 /NDF: 4474458988.7/18	- sign 146.355 $\pm$ 0.000	χ^2 /NDF: 5062599871.1/37
Left In: 147.548 $\pm$ 0.000	χ^2 /NDF: 328182080.3/18		

yield_bcm_an_us_rms vs Slug



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1293179.2/16

Left Out: 0.413 $\pm$ 0.000 χ^2 /NDF:1419050.5/19

Right Out: 0.324 $\pm$ 0.000 χ^2 /NDF: 1221676.7/18

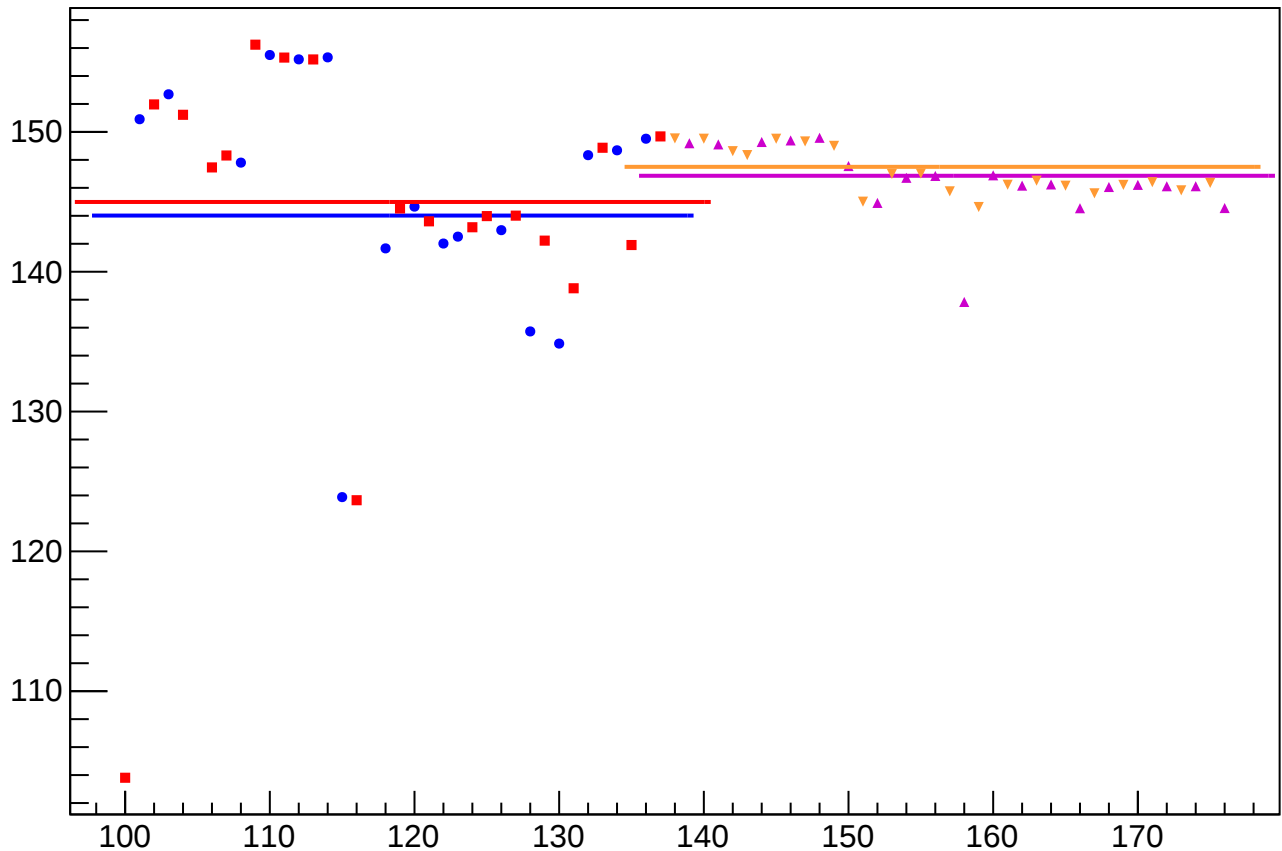
Left In: 0.421 $\pm$ 0.000 χ^2 /NDF:1168314.5/18

+ sign 0.374 $\pm$ 0.000 χ^2 /NDF: 3309247.3/36

All: 0.377 $\pm$ 0.000 χ^2 /NDF: 6314383.1/74

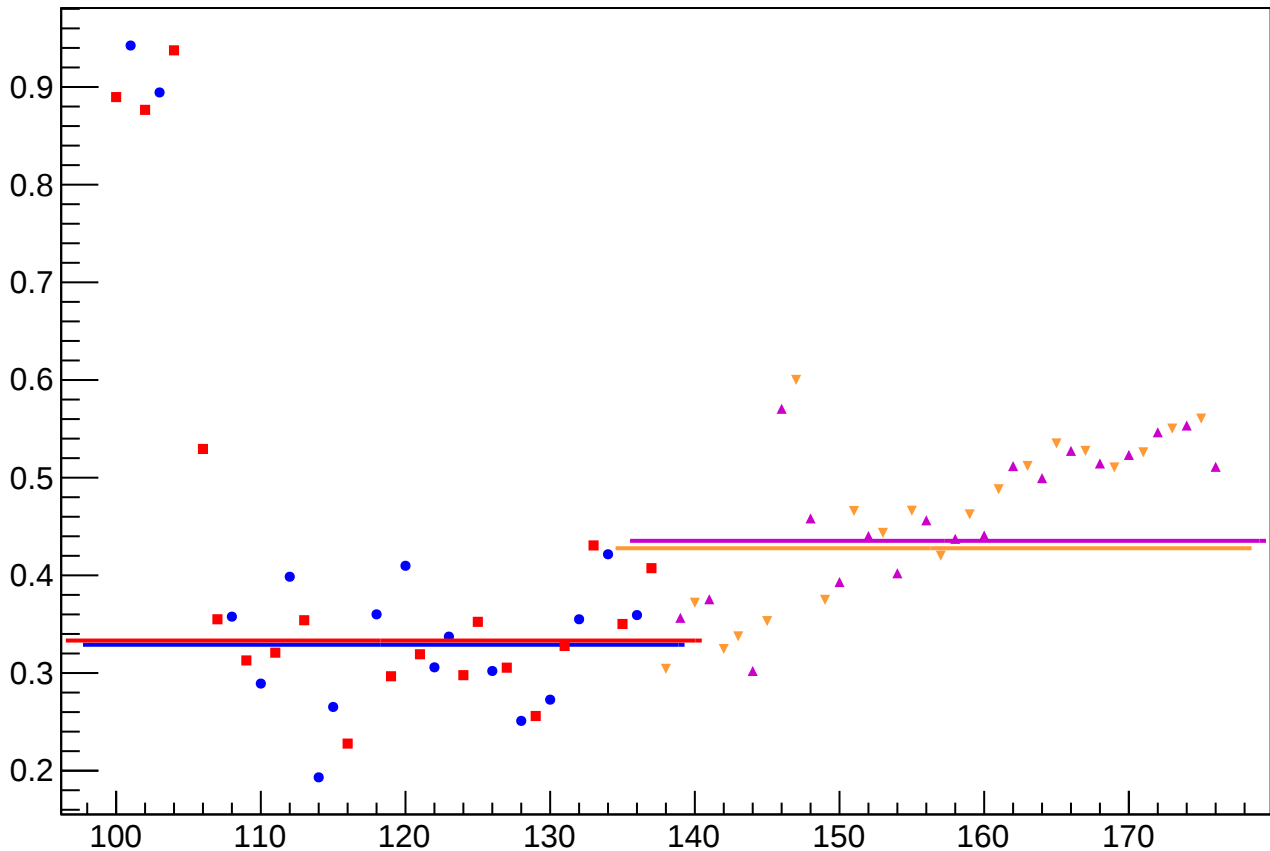
- sign 0.380 $\pm$ 0.000 χ^2 /NDF: 3000695.3/37

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: 3822049495.0/36
Left Out: 147.503 $\pm$ 0.000	χ^2 /NDF: 211004632.8/19	All: 146.086 $\pm$ 0.000	χ^2 /NDF: 8304240424.9
Right Out: 144.990 $\pm$ 0.000	χ^2 /NDF: 3853449012.9/18	- sign 146.075 $\pm$ 0.000	χ^2 /NDF: 4482158252.0/37
Left In: 146.864 $\pm$ 0.000	χ^2 /NDF: 521537709.2/18		

yield_bcm_dg_us_rms vs Slug



Right In: 0.329 ± 0.000 χ^2/NDF : 1276118.3/16

Left Out: 0.428 ± 0.000 χ^2/NDF : 1107373.1/19

Right Out: 0.333 ± 0.000 χ^2/NDF : 1182496.7/18

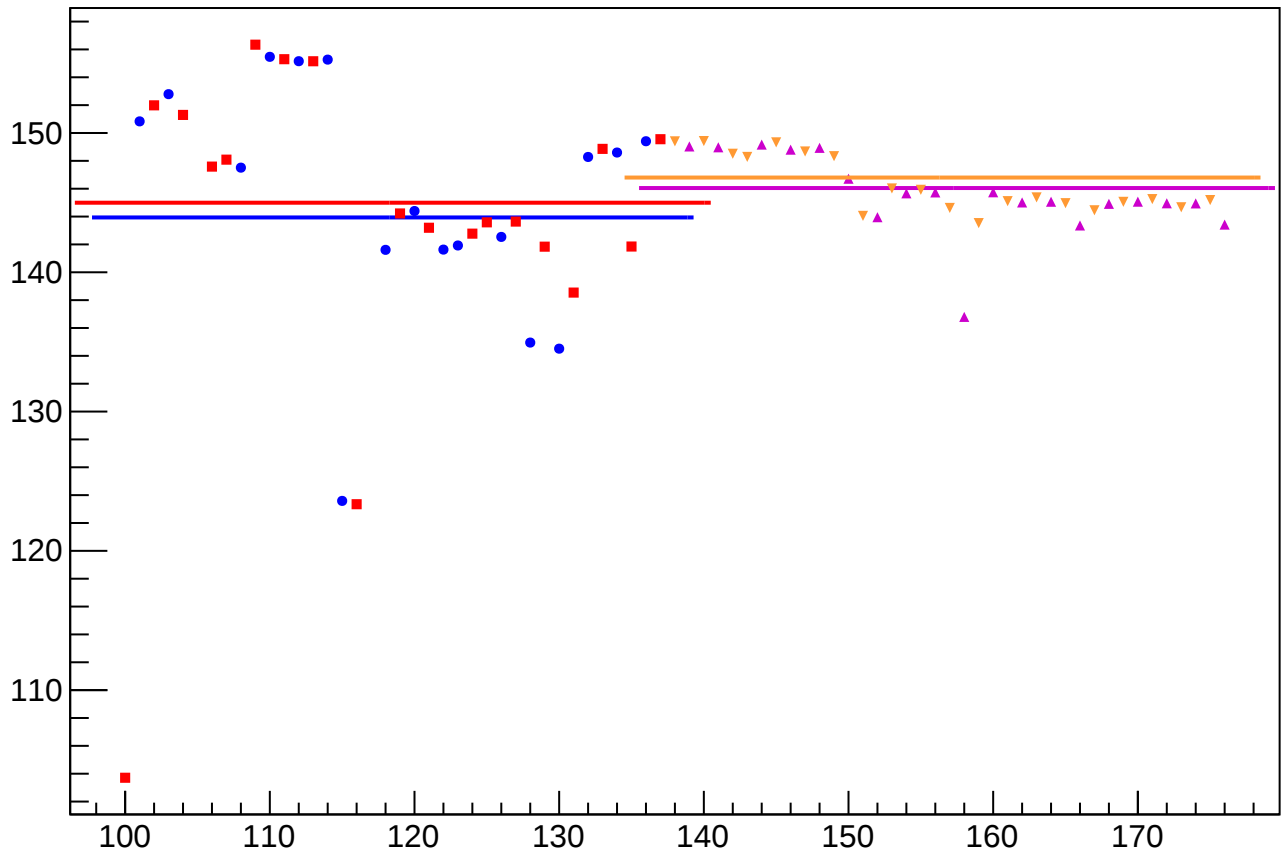
Left In: 0.435 ± 0.000 χ^2/NDF : 872949.5/18

+ sign 0.388 ± 0.000 χ^2/NDF : 2982520.5/36

All: 0.390 ± 0.000 χ^2/NDF : 5676708.8/74

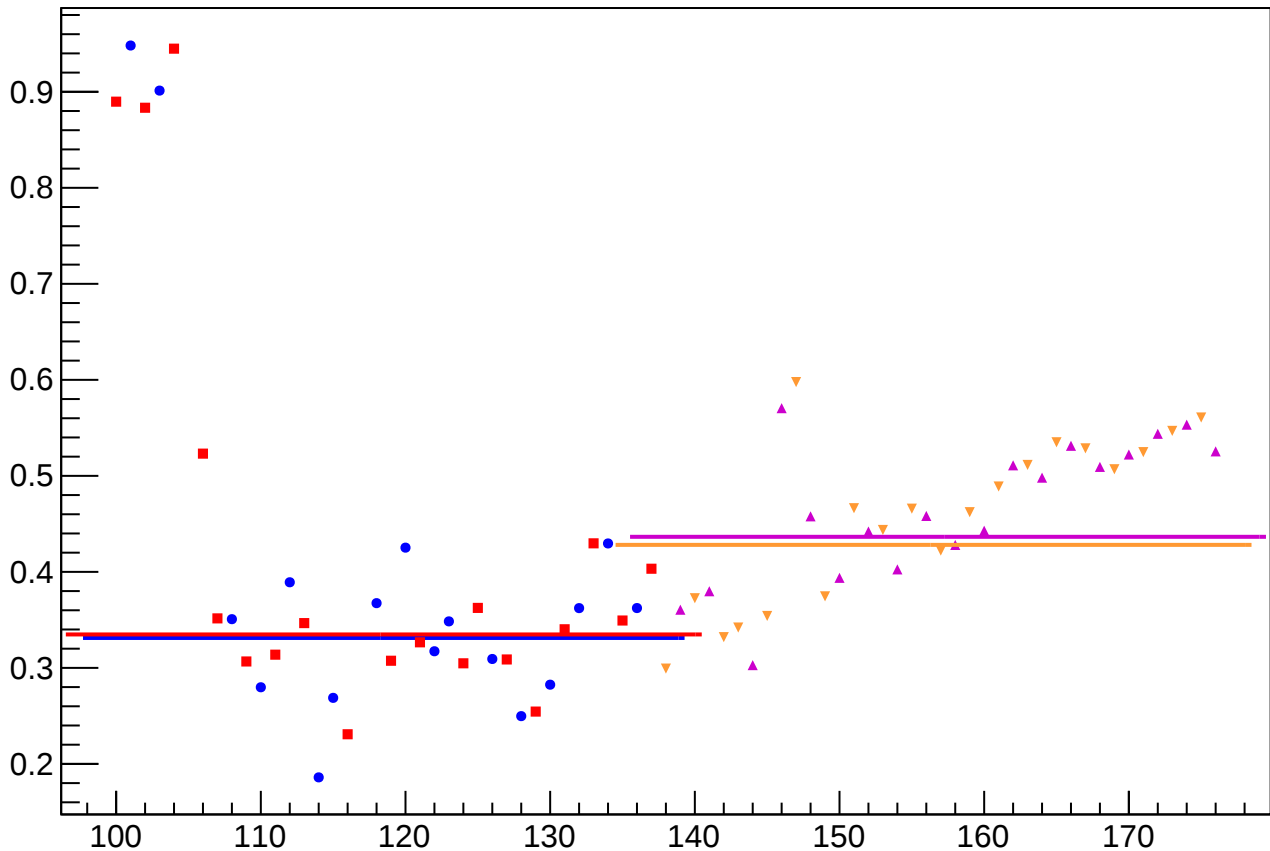
- sign 0.392 ± 0.000 χ^2/NDF : 2691703.5/37

yield_bcm_dg_ds_mean vs Slug



Right In: 143.937 $\pm$ 0.000	χ^2 /NDF: 3379203532.9/16	+ sign 145.657 $\pm$ 0.000	χ^2 /NDF: 3957683504.8/36
Left Out: 146.802 $\pm$ 0.000	χ^2 /NDF: 329568633.9/19	All: 145.632 $\pm$ 0.000	χ^2 /NDF: 8573261854.3
Right Out: 144.995 $\pm$ 0.000	χ^2 /NDF: 3934069043.2/18	- sign 145.606 $\pm$ 0.000	χ^2 /NDF: 4615415806.8/37
Left In: 146.048 $\pm$ 0.000	χ^2 /NDF: 647770033.8/18		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.331+/-0.000 χ^2/NDF : 1295749.0/16

Left Out: 0.428+/-0.000 χ^2/NDF : 1096431.0/19

Right Out: 0.335+/-0.000 χ^2/NDF : 1172239.8/18

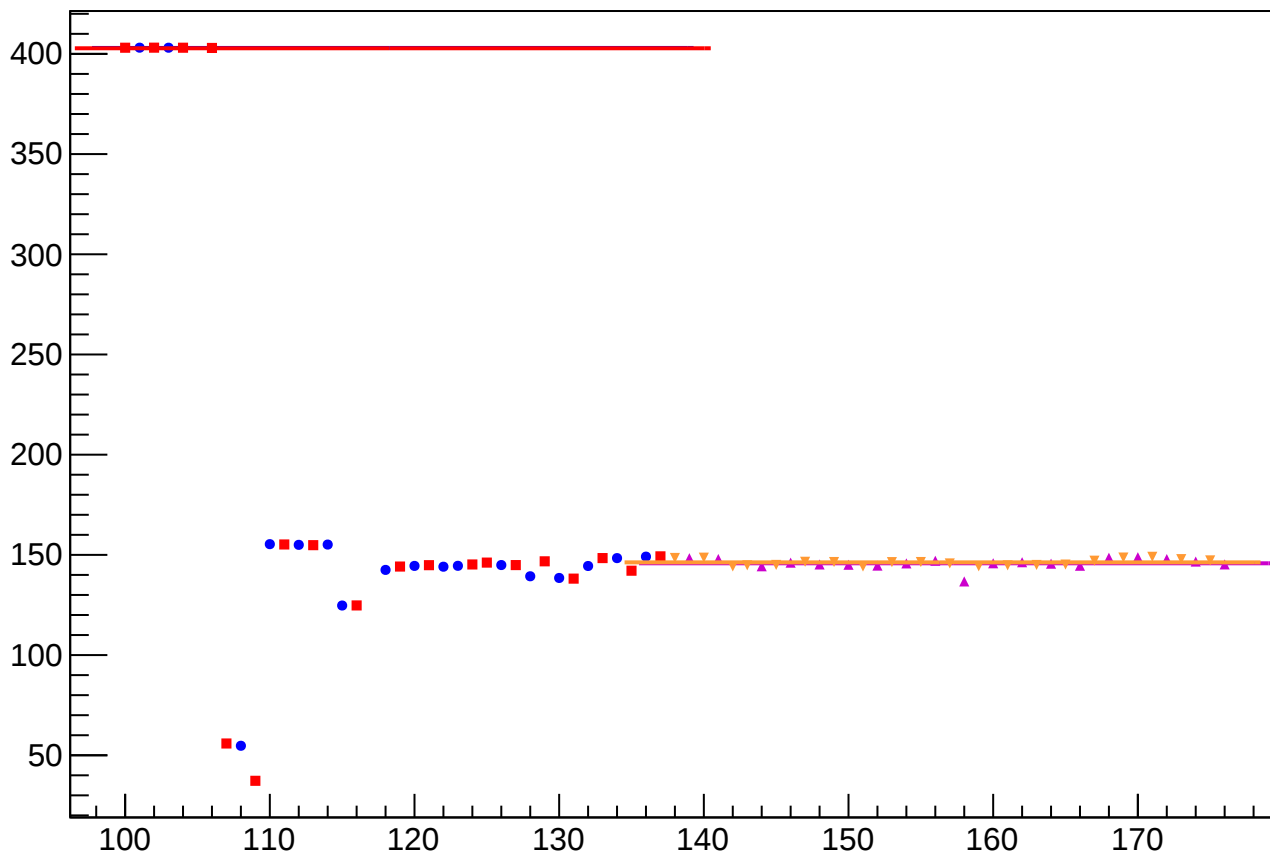
Left In: 0.437+/-0.000 χ^2/NDF : 854632.3/18

+ sign 0.389+/-0.000 χ^2/NDF : 2962259.8/36

All: 0.392+/-0.000 χ^2/NDF : 5617343.1/74

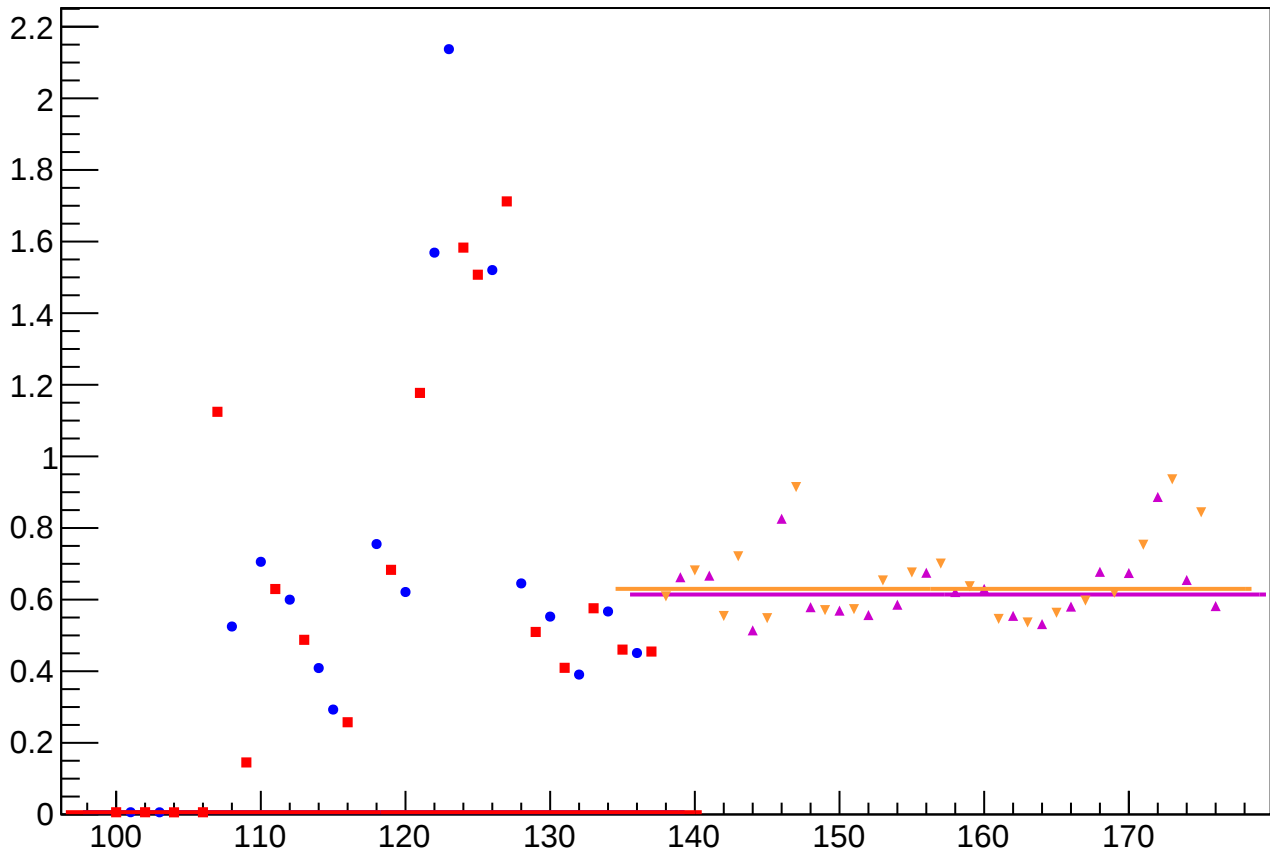
- sign 0.394+/-0.000 χ^2/NDF : 2652592.8/37

yield_cav4bQ_mean vs Slug



Right In: 402.957+/-0.000	χ^2/NDF : 1096710296821.6/16	+ sign 402.725+/-0.000	χ^2/NDF : 2952218699442.4
Left Out: 146.264+/-0.000	χ^2/NDF : 73655962.7/19	All: 402.650+/-0.000	χ^2/NDF : 80075902880.0
Right Out: 402.799+/-0.000	χ^2/NDF : 3103890772575.4/18	- sign 402.583+/-0.000	χ^2/NDF : 5055038057979.1
Left In: 145.799+/-0.000	χ^2/NDF : 170174184.4/18		

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9161050.1/16

Left Out: 0.630+/-0.000 χ^2/NDF :548137.7/19

Right Out: 0.006+/-0.000 χ^2/NDF : 9212402.0/18

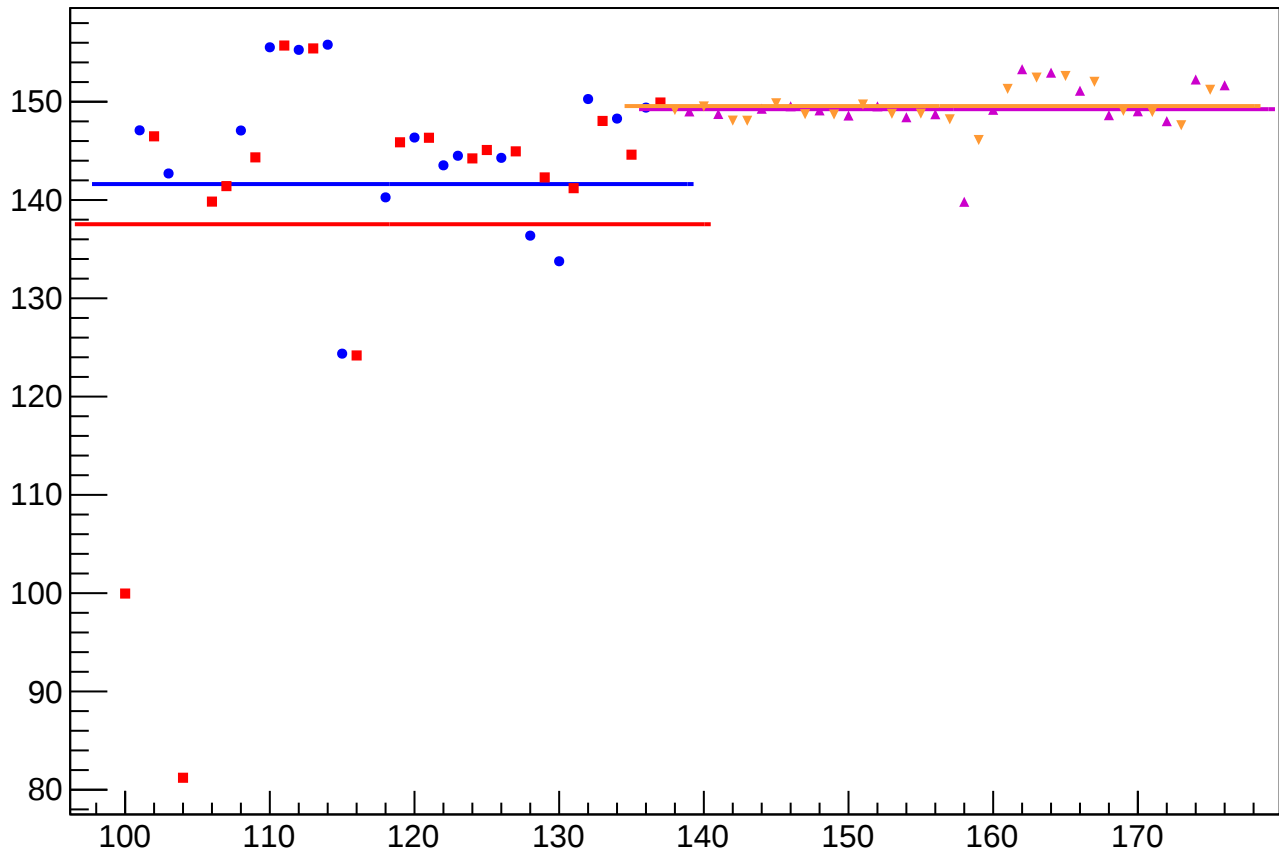
Left In: 0.614+/-0.000 χ^2/NDF :350578.9/18

+ sign 0.007+/-0.000 χ^2/NDF : 31618135.9/36

All: 0.007+/-0.000 χ^2/NDF : 63014220.5/74

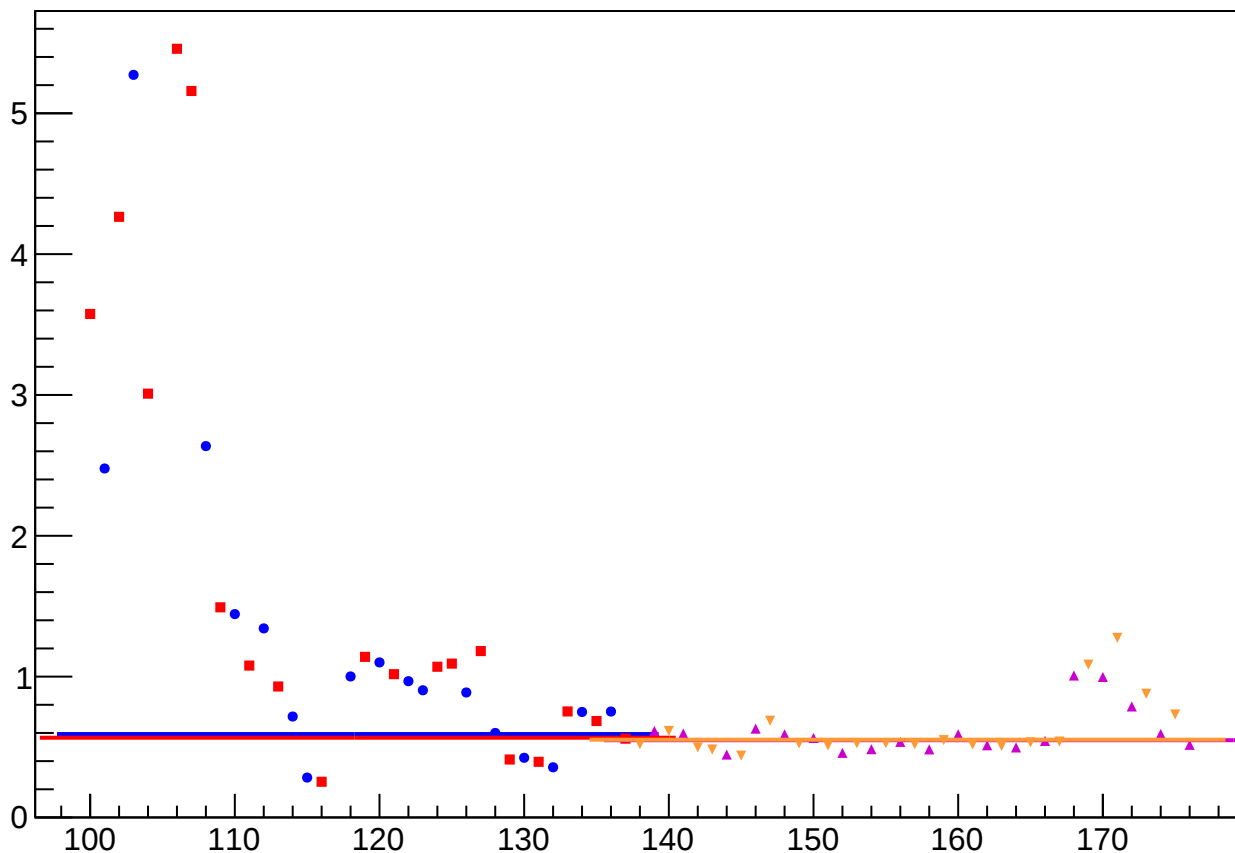
- sign 0.007+/-0.000 χ^2/NDF : 31395940.8/37

yield_cav4cQ_mean vs Slug



Right In: 141.622 $\pm$ 0.000	χ^2 /NDF: 982037737.7/16	+ sign 148.008 $\pm$ 0.000	χ^2 /NDF: 1621331537.3/36
Left Out: 149.558 $\pm$ 0.000	χ^2 /NDF: 126381907.7/19	All: 147.439 $\pm$ 0.000	χ^2 /NDF: 4533574662.5
Right Out: 137.536 $\pm$ 0.000	χ^2 /NDF: 1315768553.6/18	- sign 146.878 $\pm$ 0.000	χ^2 /NDF: 2878878392.3/37
Left In: 149.242 $\pm$ 0.000	χ^2 /NDF: 401779590.9/18		

yield_cav4cQ_rms vs Slug



Right In: 0.592+/-0.000 χ^2/NDF : 3521577.2/16

Left Out: 0.552+/-0.000 χ^2/NDF :1310721.7/19

Right Out: 0.566+/-0.000 χ^2/NDF : 4682140.9/18

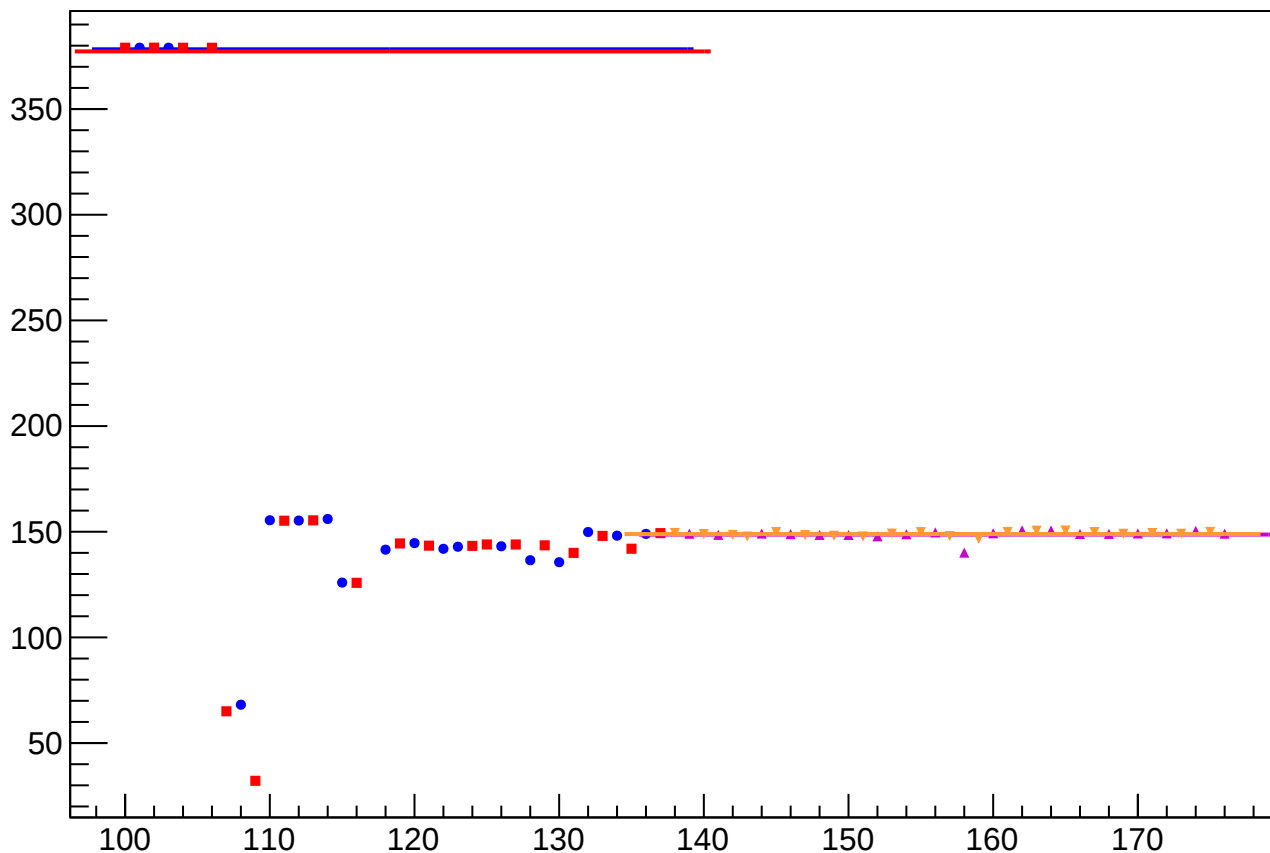
Left In: 0.549+/-0.000 χ^2/NDF :967488.8/18

+ sign 0.560+/-0.000 χ^2/NDF : 4858472.2/36

All: 0.556+/-0.000 χ^2/NDF : 10516652.9/74

- sign 0.552+/-0.000 χ^2/NDF : 5654910.4/37

yield_cav4dQ_mean vs Slug



Right In: 378.281+/-0.000 χ^2/NDF : 2512261599188.1/16

Left Out: 148.903+/-0.000 χ^2/NDF : 62991493.4/19

Right Out: 377.289+/-0.000 χ^2/NDF : 8279468194444.1/18

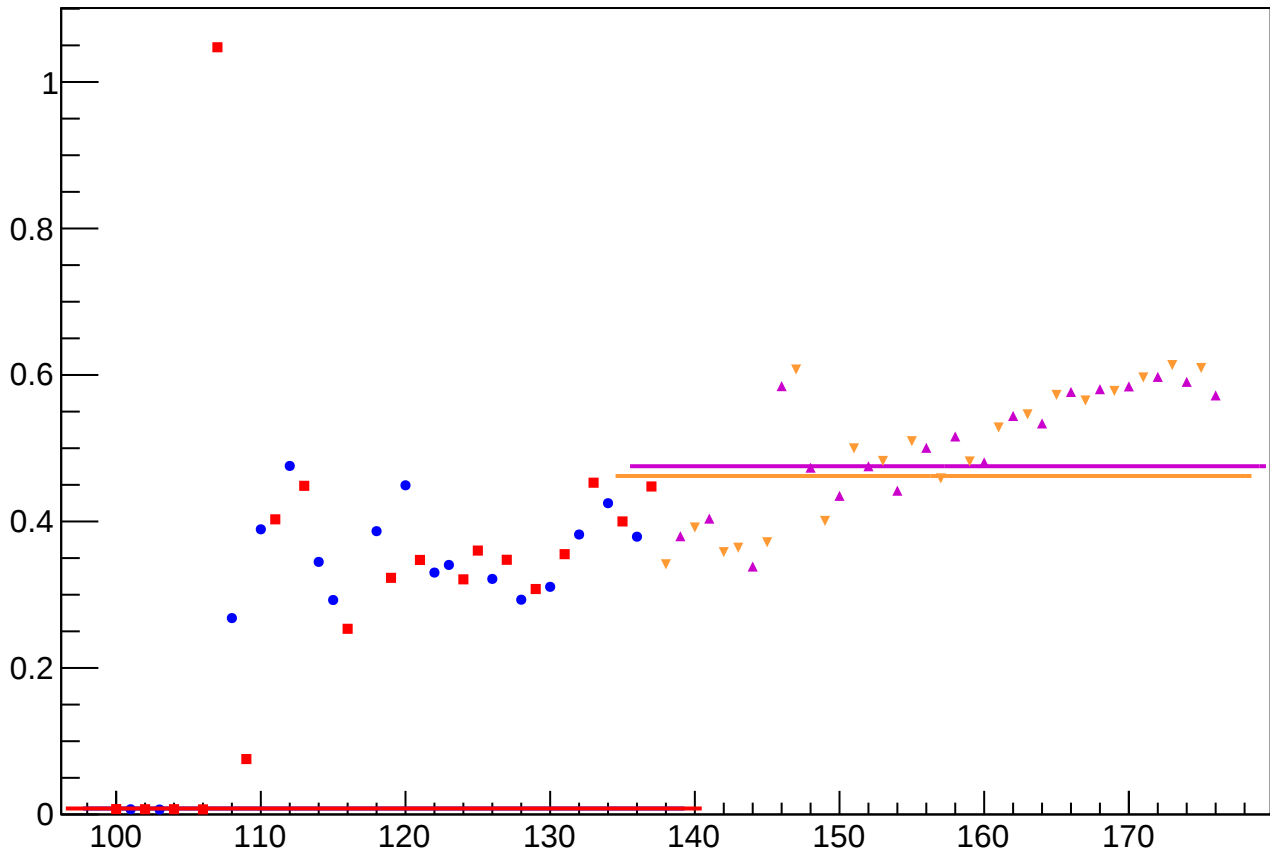
Left In: 148.663+/-0.000 χ^2/NDF : 242456048.6/18

+ sign 377.156+/-0.000 χ^2/NDF : 5948683729305.7

All: 376.738+/-0.000 χ^2/NDF : 174182675829

- sign 376.371+/-0.000 χ^2/NDF : 11465193129247.8

yield_cav4dQ_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 9885759.8/16

Left Out: 0.462 $\pm$ 0.000 χ^2 /NDF: 1105193.7/19

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 9535410.6/18

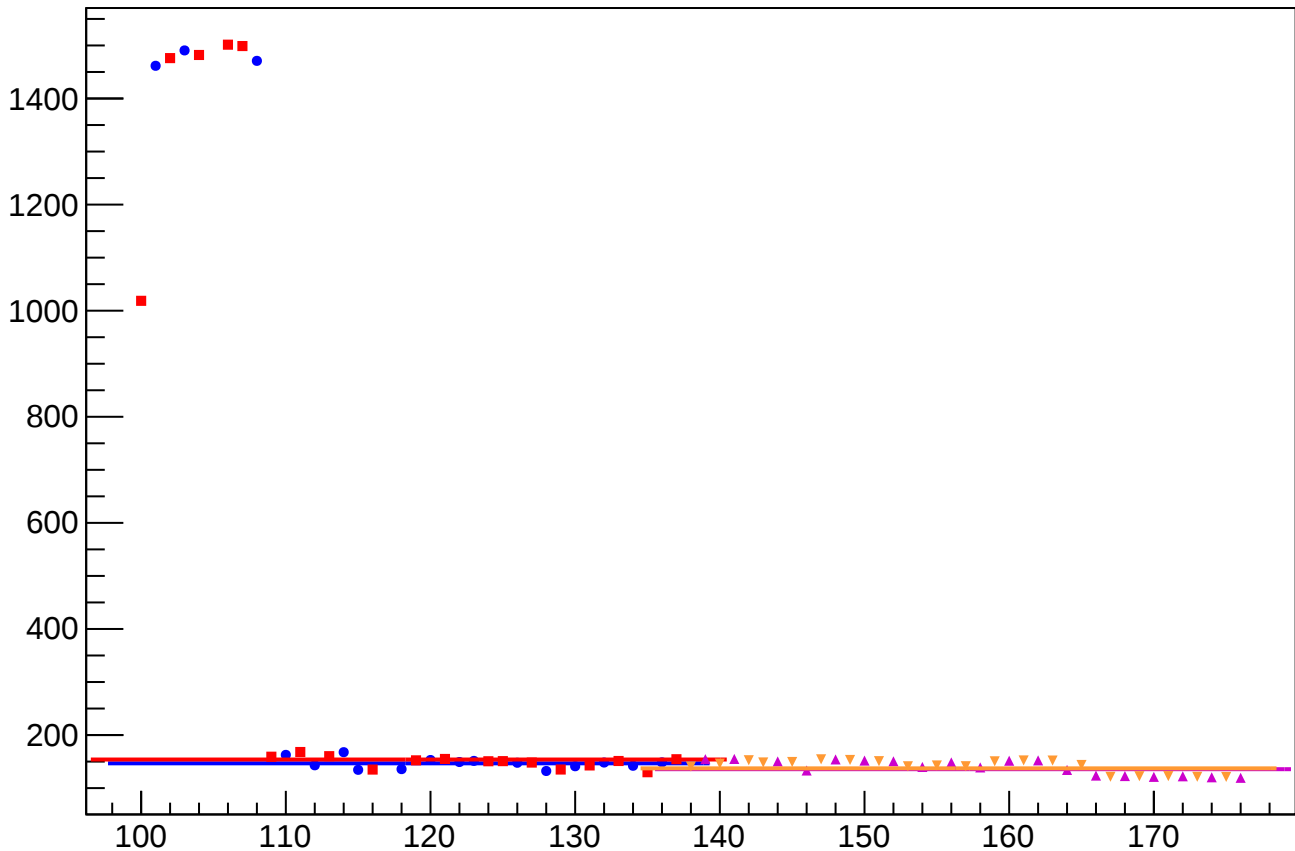
Left In: 0.475 $\pm$ 0.000 χ^2 /NDF: 835317.1/18

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 37910243.7/36

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 74896906.2/74

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 36985098.5/37

yield_bcm0l02_mean vs Slug



Right In: 146.723+/-0.000 χ^2/NDF : 24350870553.3/16

Left Out: 137.224+/-0.000 χ^2/NDF : 3270427209.9/19

Right Out: 153.887+/-0.000 χ^2/NDF : 33738118250.9/18

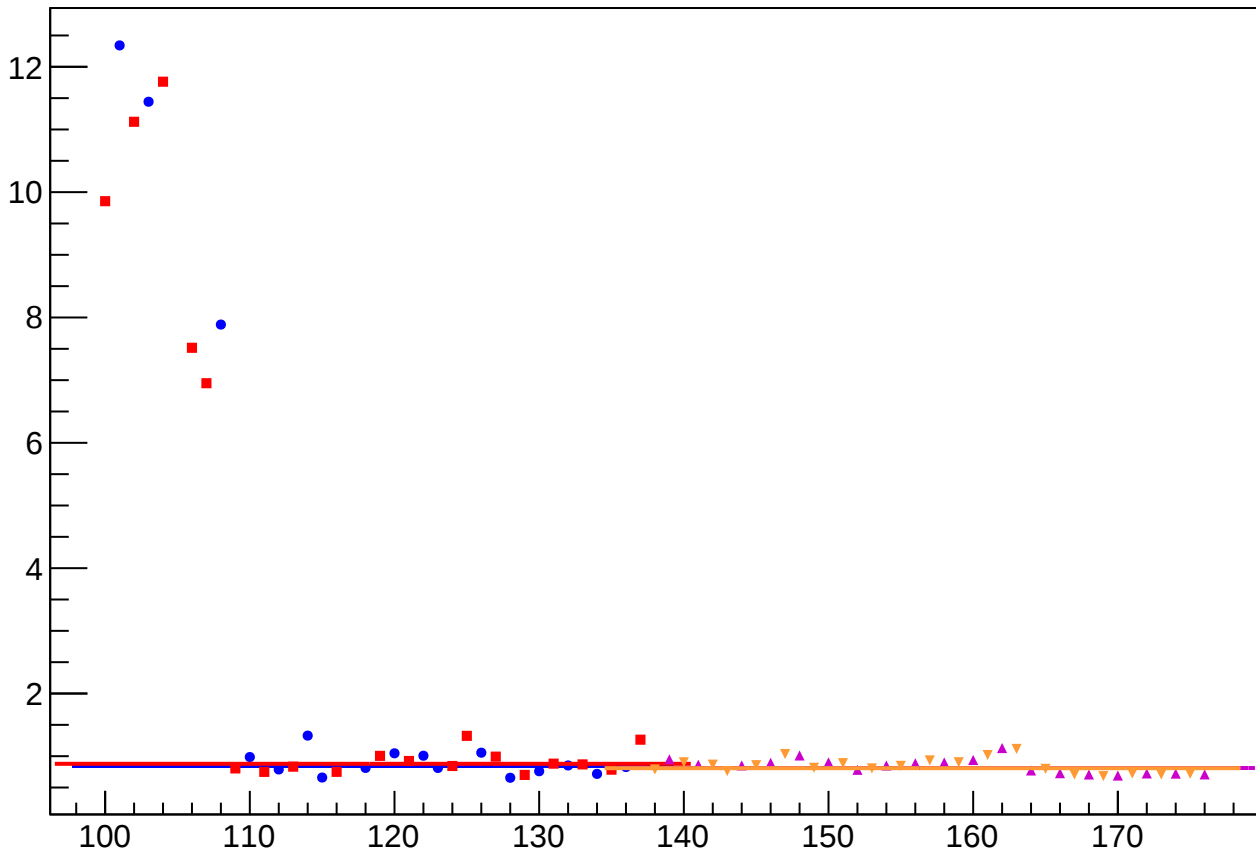
Left In: 135.663+/-0.000 χ^2/NDF : 3570240939.2/18

+ sign 139.313+/-0.000 χ^2/NDF : 27998262632.0/36

All: 139.496+/-0.000 χ^2/NDF : 66678007954.0/72

- sign 139.683+/-0.000 χ^2/NDF : 38678089069.4/37

yield_bcm0l02_rms vs Slug



Right In: 0.844 ± 0.000 χ^2/NDF : 2670470.7/16

Left Out: 0.809 ± 0.000 χ^2/NDF : 448006.2/19

Right Out: 0.878 ± 0.000 χ^2/NDF : 2812500.6/18

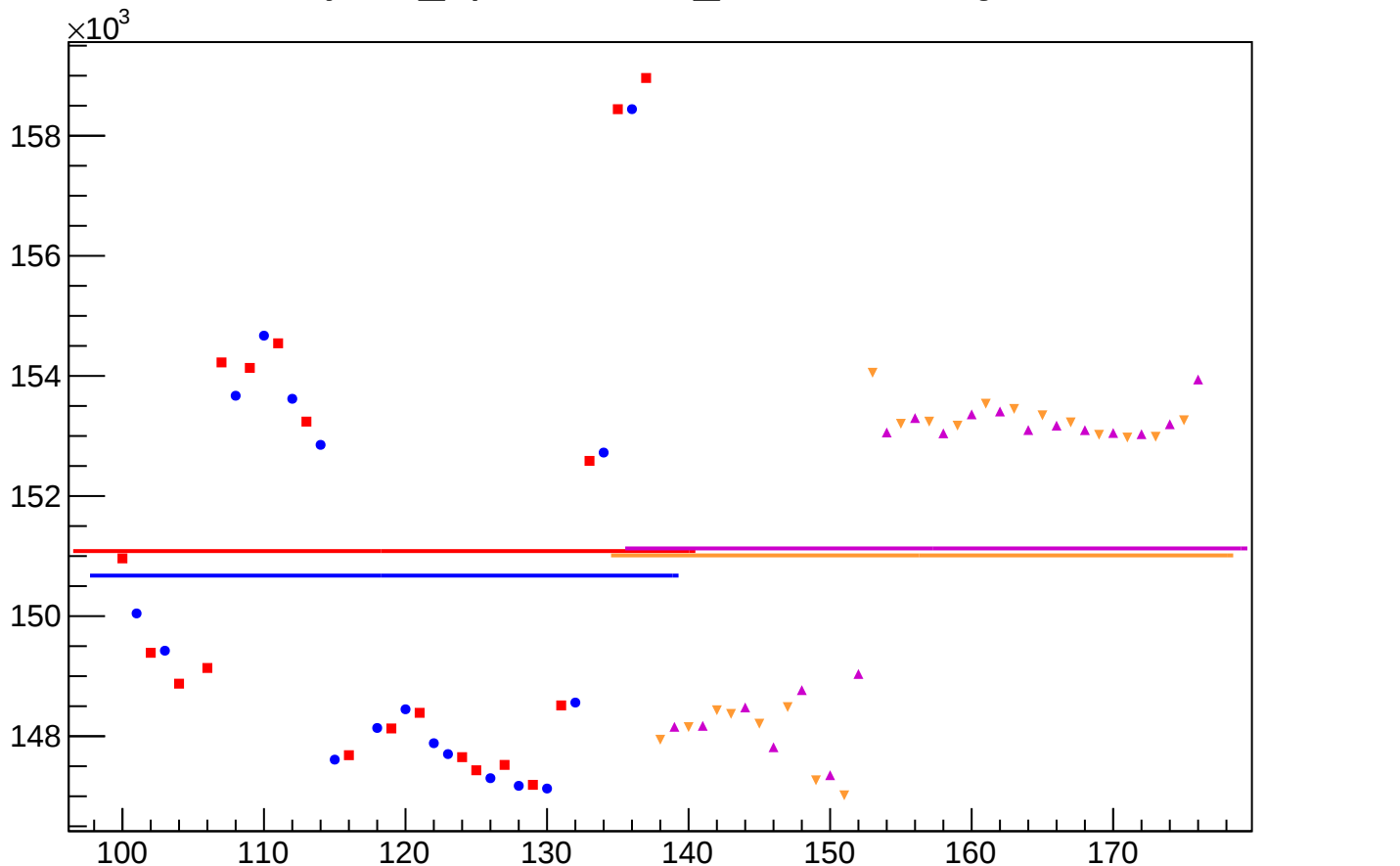
Left In: 0.811 ± 0.000 χ^2/NDF : 434048.7/18

+ sign 0.816 ± 0.000 χ^2/NDF : 3128754.9/36

All: 0.821 ± 0.000 χ^2/NDF : 6414718.3/74

- sign 0.826 ± 0.000 χ^2/NDF : 3283655.4/37

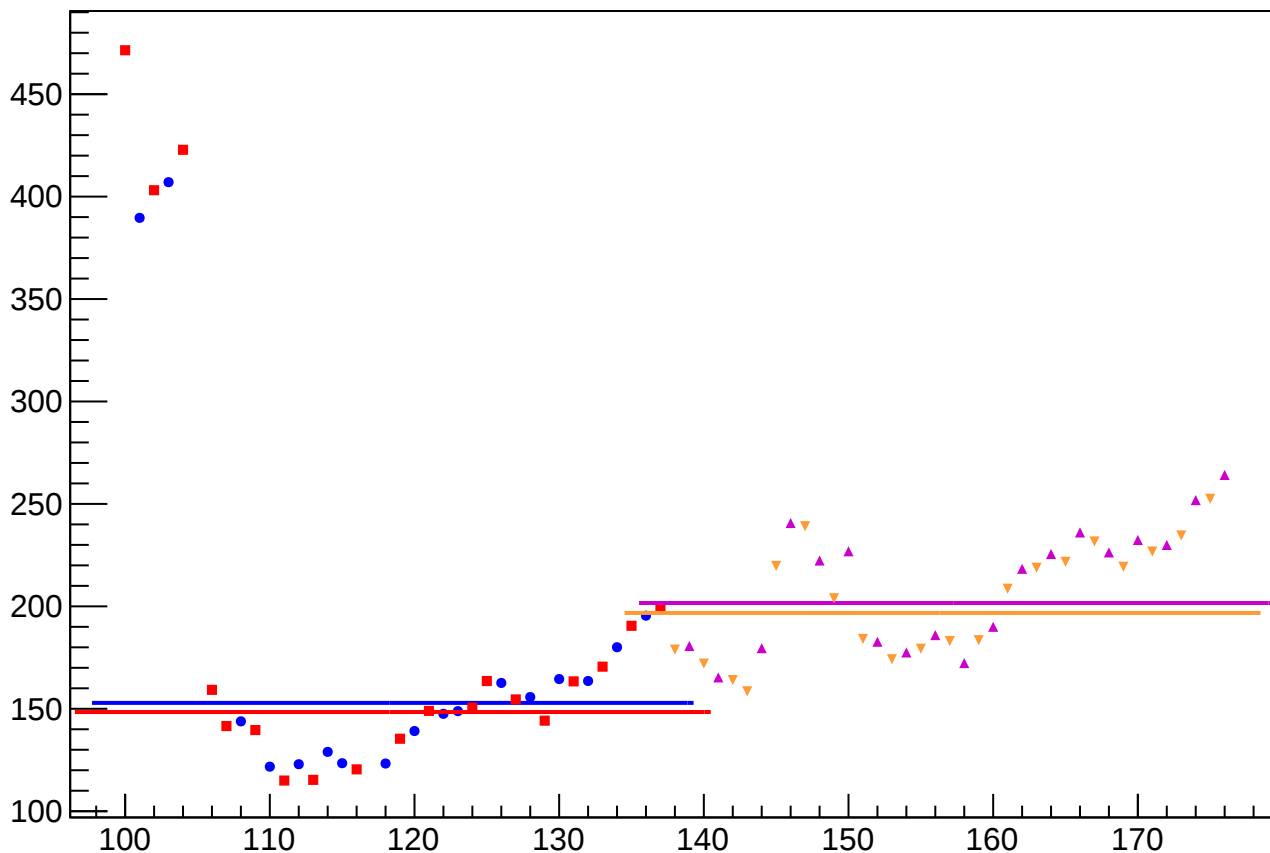
yield_bpm0i01WS_mean vs Slug



Right In: 150675.025 ± 0.063 $\chi^2/\text{NDF}: 3309974859.4/16$
 Left Out: 151011.181 ± 0.051 $\chi^2/\text{NDF}: 2734986250.9/19$
 Right Out: 151083.268 ± 0.060 $\chi^2/\text{NDF}: 3300830370.5/18$
 Left In: 151127.316 ± 0.053 $\chi^2/\text{NDF}: 2096478792.7/18$

+ sign 150876.464 ± 0.040 $\chi^2/\text{NDF}: 6062042842.3$
 All: 150992.157 ± 0.028 $\chi^2/\text{NDF}: 114764937$
 - sign 151107.702 ± 0.040 $\chi^2/\text{NDF}: 5397611209.7$

yield_bpm0i01WS_rms vs Slug



Right In: 152.883 $\pm$ 0.045 χ^2 /NDF: 1154088.7/16

Left Out: 196.784 $\pm$ 0.036 χ^2 /NDF: 522457.1/19

Right Out: 148.418 $\pm$ 0.042 χ^2 /NDF: 1191577.6/18

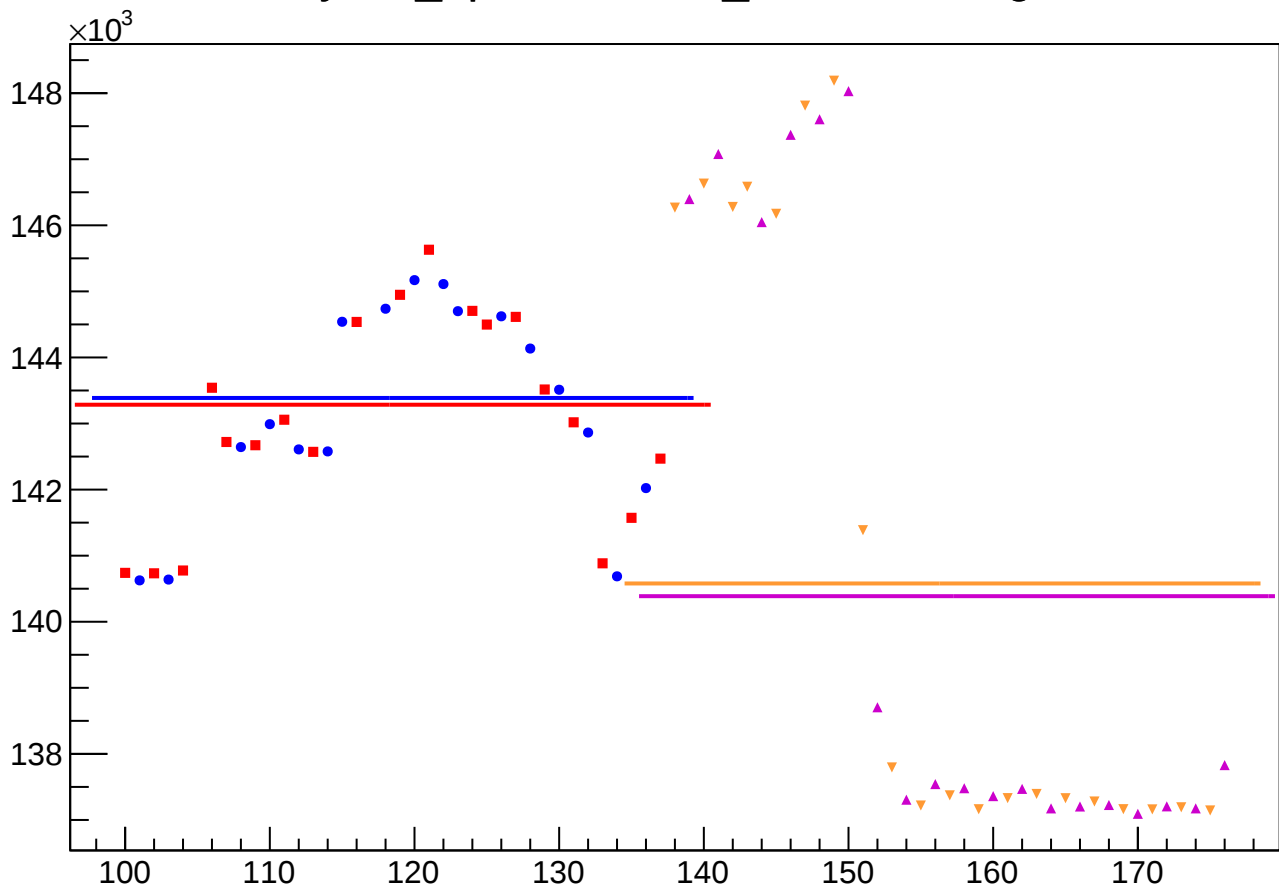
Left In: 201.636 $\pm$ 0.038 χ^2 /NDF: 567759.9/18

+ sign 179.190 $\pm$ 0.028 χ^2 /NDF: 2259223.5/36

All: 178.564 $\pm$ 0.020 χ^2 /NDF: 4901379.3/74

- sign 177.939 $\pm$ 0.028 χ^2 /NDF: 2641168.9/37

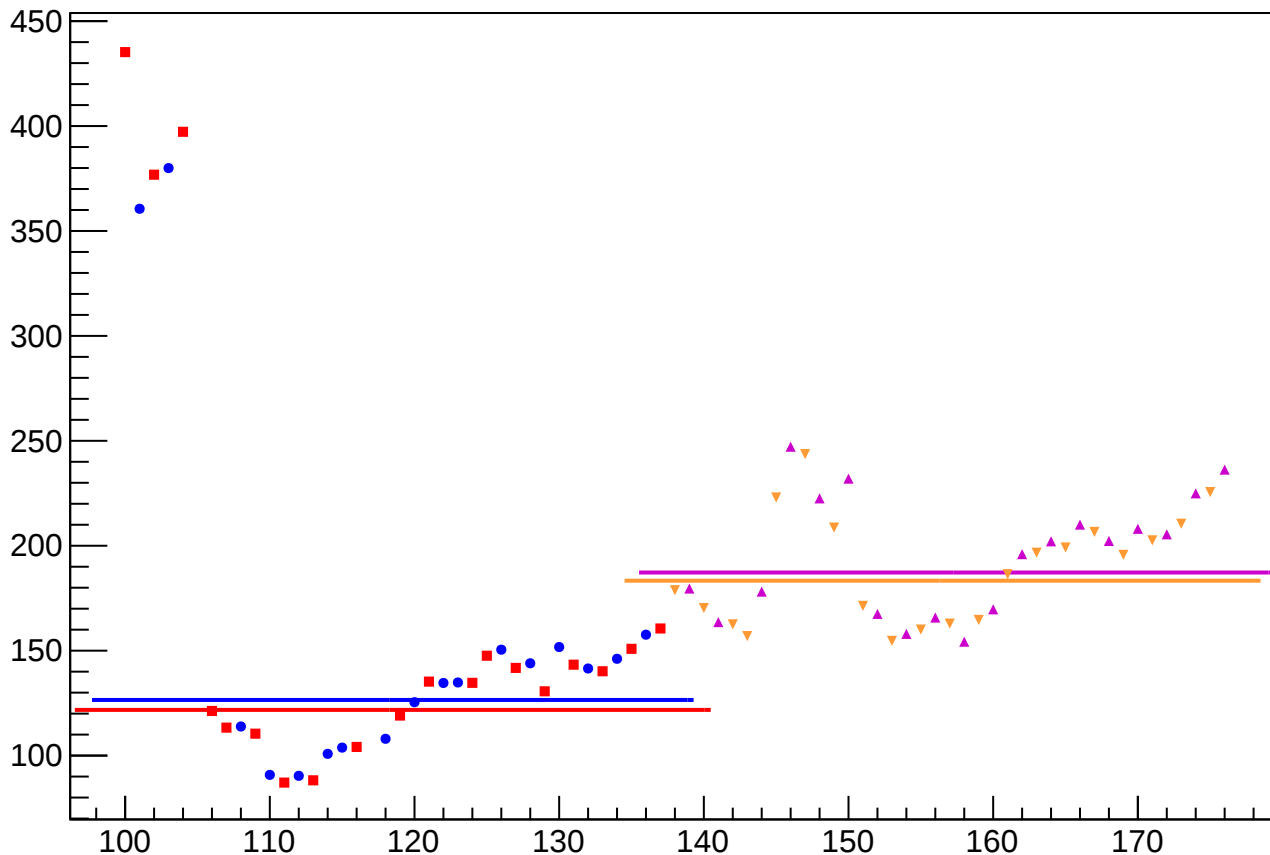
yield_bpm0i01aWS_mean vs Slug



Right In: 143387.099+/-0.053 χ^2/NDF : 521299875.7/16
 Left Out: 140579.395+/-0.048 χ^2/NDF : 8282326079.0/19
 Right Out: 143284.757+/-0.049 χ^2/NDF : 608634820.1/18
 Left In: 140387.042+/-0.050 χ^2/NDF : 7808182698.8/18

+ sign 141851.614+/-0.035 χ^2/NDF : 10354520689.
 All: 141852.879+/-0.025 χ^2/NDF : 204908873.
 - sign 141854.106+/-0.035 χ^2/NDF : 10136364155.8

yield_bpm0i01aWS_rms vs Slug



Right In: 126.514 $\pm$ 0.037 χ^2 /NDF: 1441685.0/16

Left Out: 183.341 $\pm$ 0.034 χ^2 /NDF: 504145.3/19

Right Out: 121.772 $\pm$ 0.035 χ^2 /NDF: 1463829.4/18

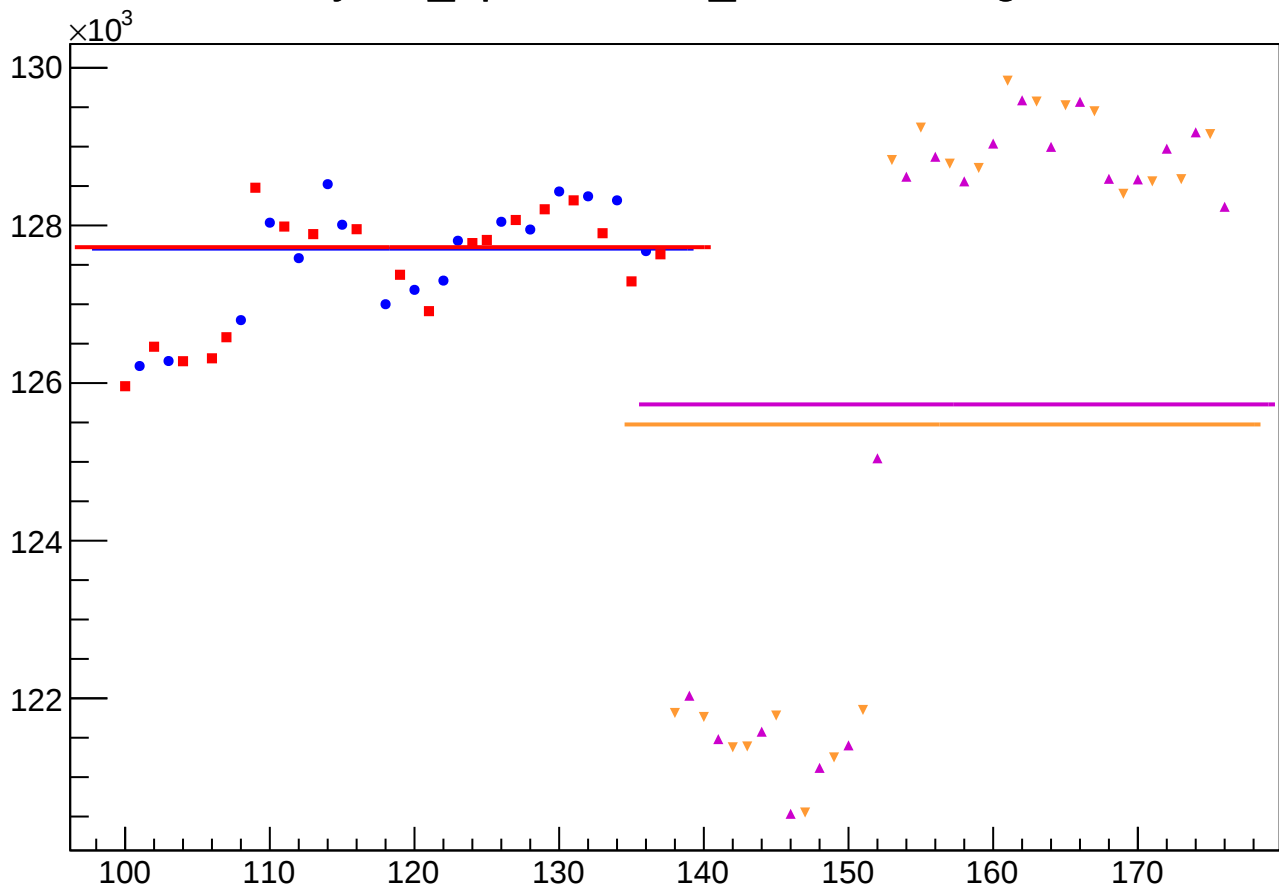
Left In: 187.239 $\pm$ 0.035 χ^2 /NDF: 596472.0/18

+ sign 157.592 $\pm$ 0.025 χ^2 /NDF: 3216475.9/36

All: 155.816 $\pm$ 0.018 χ^2 /NDF: 7042049.7/74

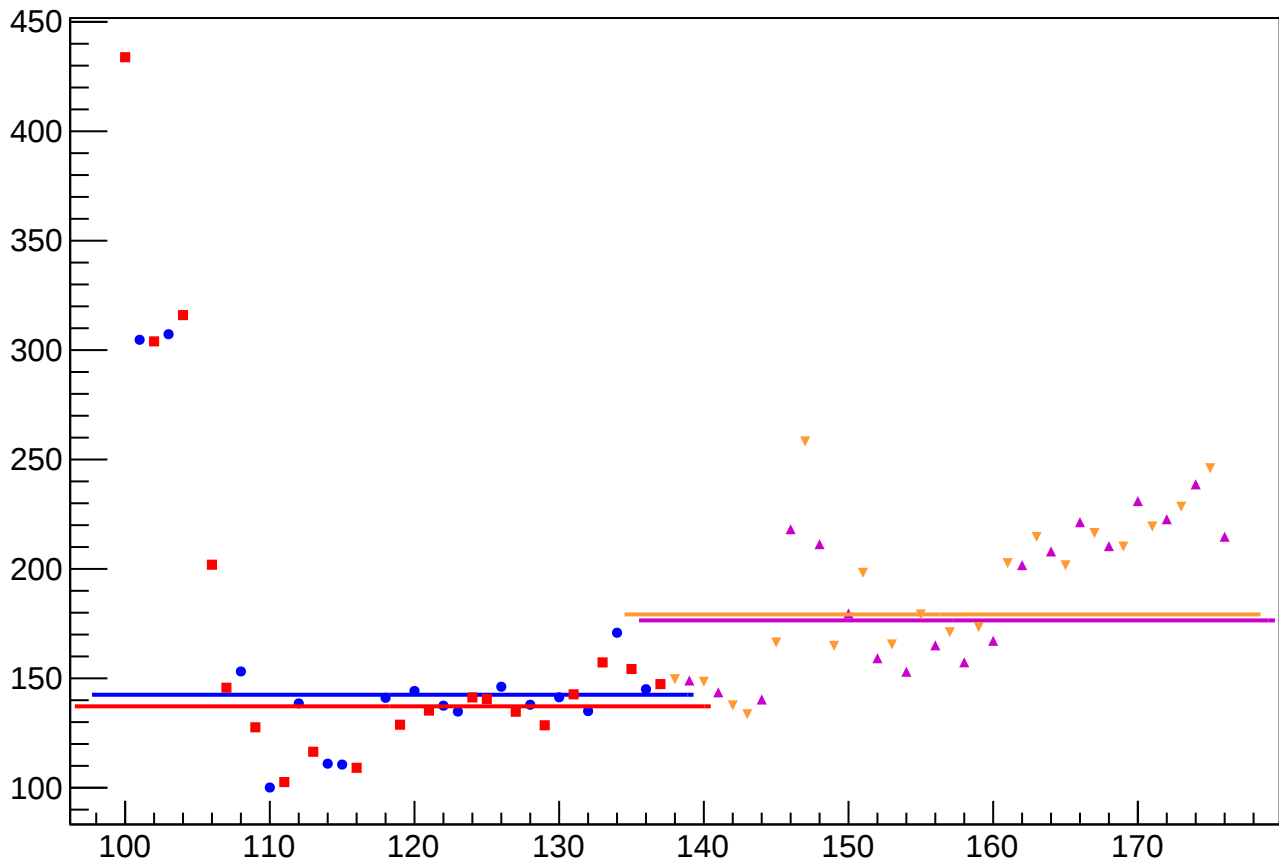
- sign 154.094 $\pm$ 0.025 χ^2 /NDF: 3815709.1/37

yield_bpm0l01WS_mean vs Slug



Right In: 127706.194 $\pm$ 0.058 χ^2 /NDF: 97860521.1/16
 Left Out: 125474.929 $\pm$ 0.048 χ^2 /NDF: 6248249618.6/19
 Right Out: 127724.256 $\pm$ 0.055 χ^2 /NDF: 112614317.2/18
 Left In: 125729.307 $\pm$ 0.047 χ^2 /NDF: 5577717983.9/18
 + sign 126370.612 $\pm$ 0.037 χ^2 /NDF: 7230163422.0
 All: 126481.319 $\pm$ 0.026 χ^2 /NDF: 137020132
 - sign 126585.747 $\pm$ 0.036 χ^2 /NDF: 6454248732.5/

yield_bpm0l01WS_rms vs Slug



Right In: 142.502 $\pm$ 0.041 χ^2 /NDF: 836263.7/16

Left Out: 179.213 $\pm$ 0.034 χ^2 /NDF: 938412.6/19

Right Out: 137.211 $\pm$ 0.039 χ^2 /NDF: 957317.1/18

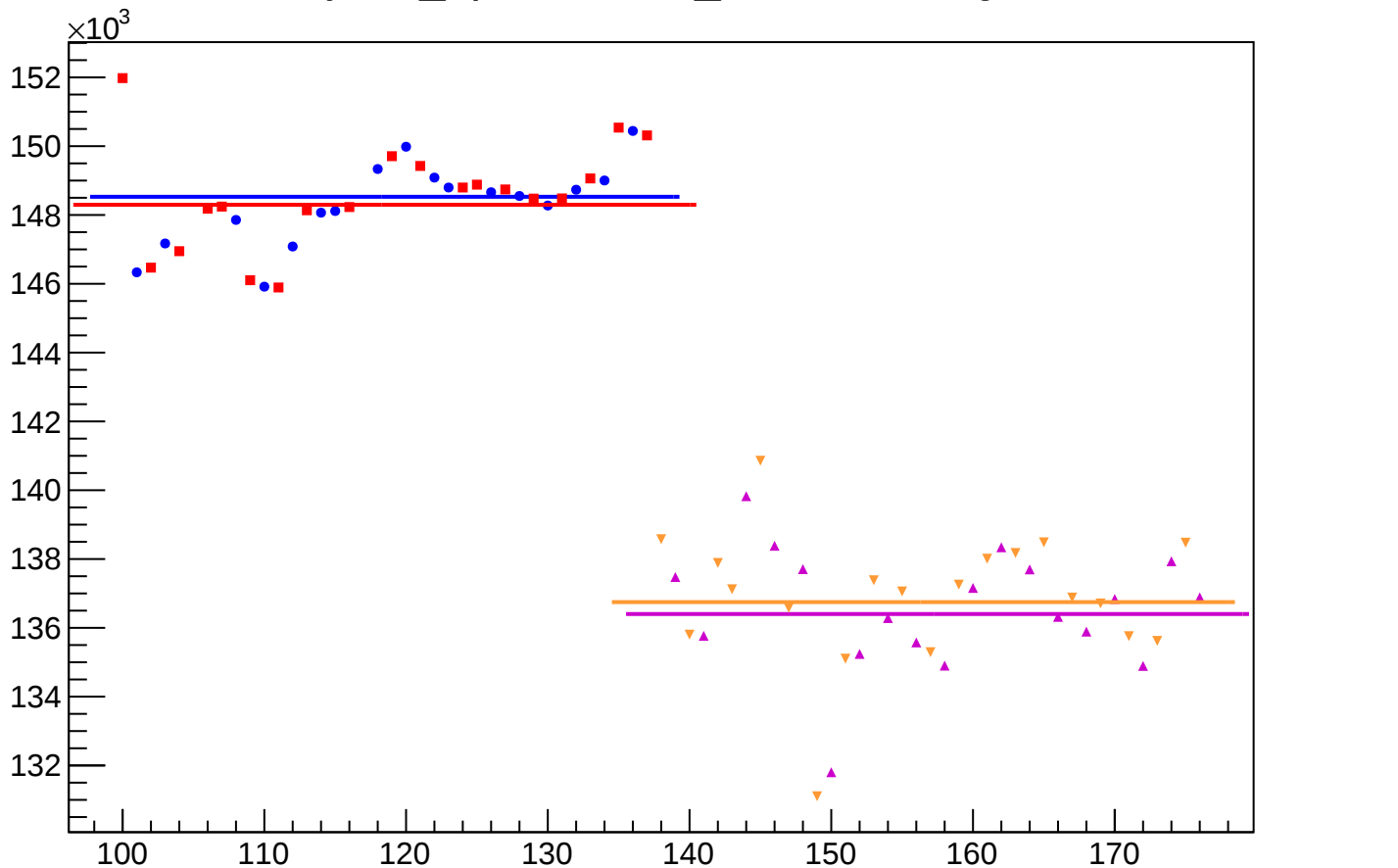
Left In: 176.470 $\pm$ 0.033 χ^2 /NDF: 869087.7/18

+ sign 164.476 $\pm$ 0.026 χ^2 /NDF: 2253304.4/36

All: 161.975 $\pm$ 0.018 χ^2 /NDF: 4689351.6/74

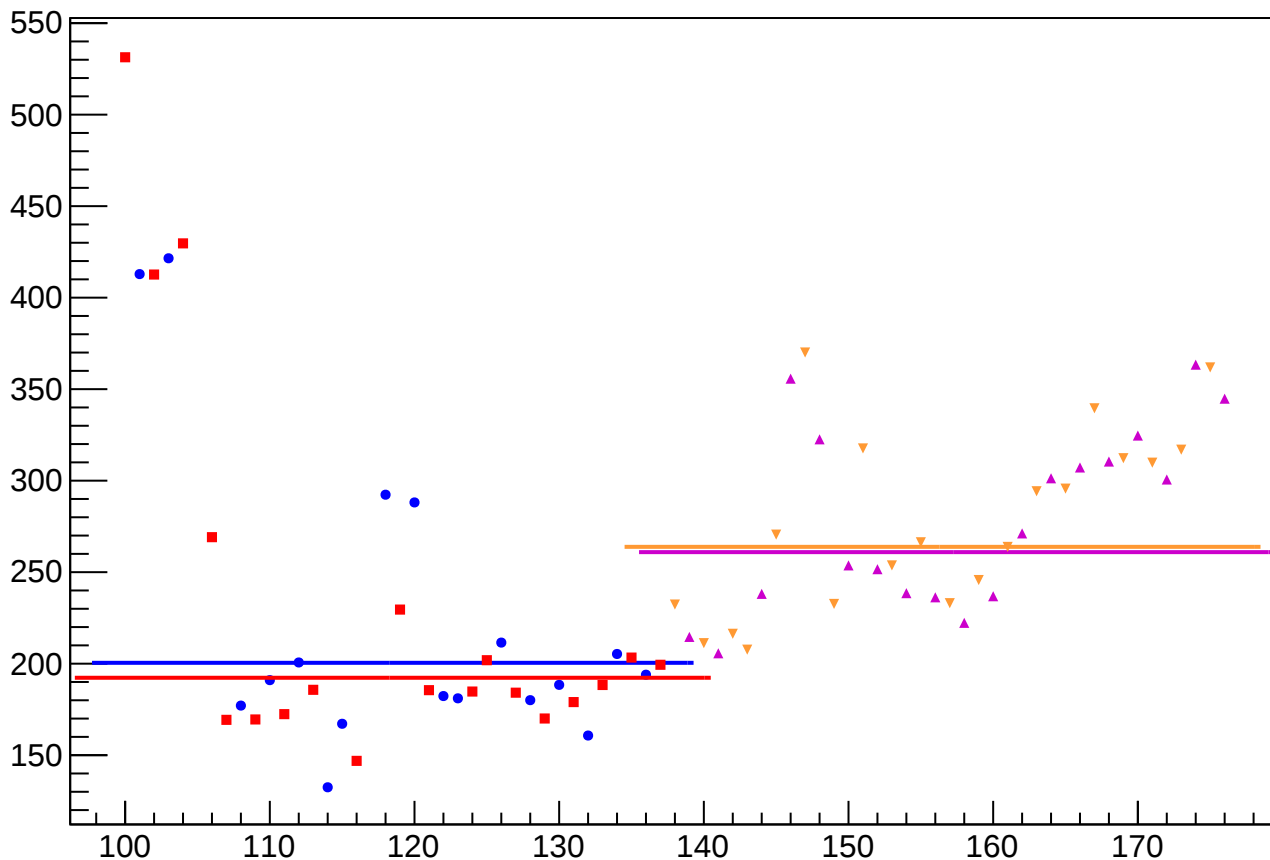
- sign 159.616 $\pm$ 0.025 χ^2 /NDF: 2418086.0/37

yield_bpm0l02WS_mean vs Slug



Right In: 148528.851 ± 0.082	$\chi^2/\text{NDF}: 209986594.2/16$	+ sign 141678.368 ± 0.053	$\chi^2/\text{NDF}: 13057493598.$
Left Out: 136748.281 ± 0.070	$\chi^2/\text{NDF}: 866017548.2/19$	All: 141742.870 ± 0.037	$\chi^2/\text{NDF}: 272562030$
Right Out: 148297.126 ± 0.076	$\chi^2/\text{NDF}: 293244556.5/18$	- sign 141803.539 ± 0.051	$\chi^2/\text{NDF}: 14195845750.8$
Left In: 136402.152 ± 0.070	$\chi^2/\text{NDF}: 673296870.4/18$		

yield_bpm0l02WS_rms vs Slug



Right In: 200.472 $\pm$ 0.058 χ^2 /NDF: 936547.2/16

Left Out: 263.843 $\pm$ 0.049 χ^2 /NDF:837637.7/19

Right Out: 192.304 $\pm$ 0.054 χ^2 /NDF: 844504.1/18

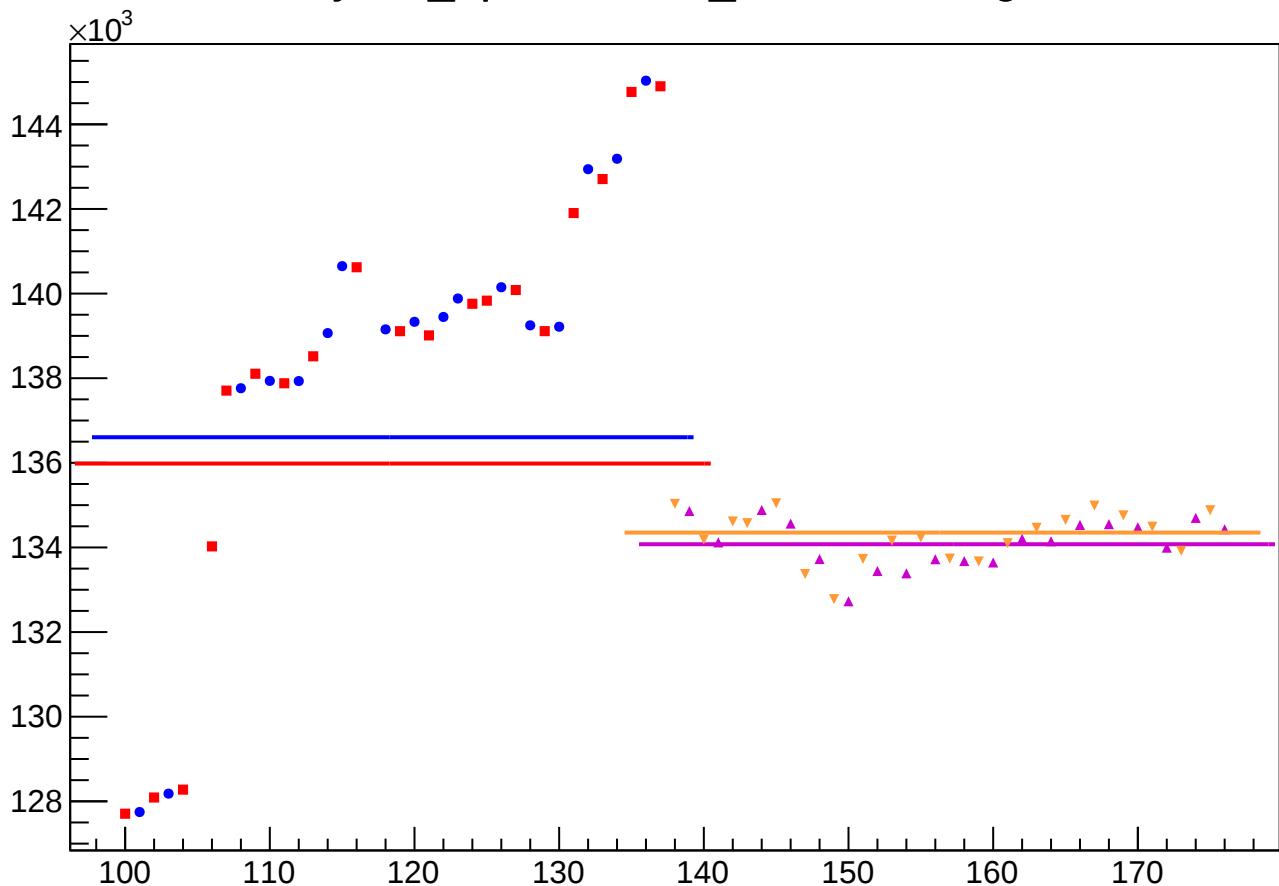
Left In: 260.947 $\pm$ 0.049 χ^2 /NDF:844609.1/18

+ sign 237.323 $\pm$ 0.038 χ^2 /NDF: 2467598.8/36

All: 233.434 $\pm$ 0.026 χ^2 /NDF: 5058644.9/74

- sign 229.777 $\pm$ 0.036 χ^2 /NDF: 2570226.8/37

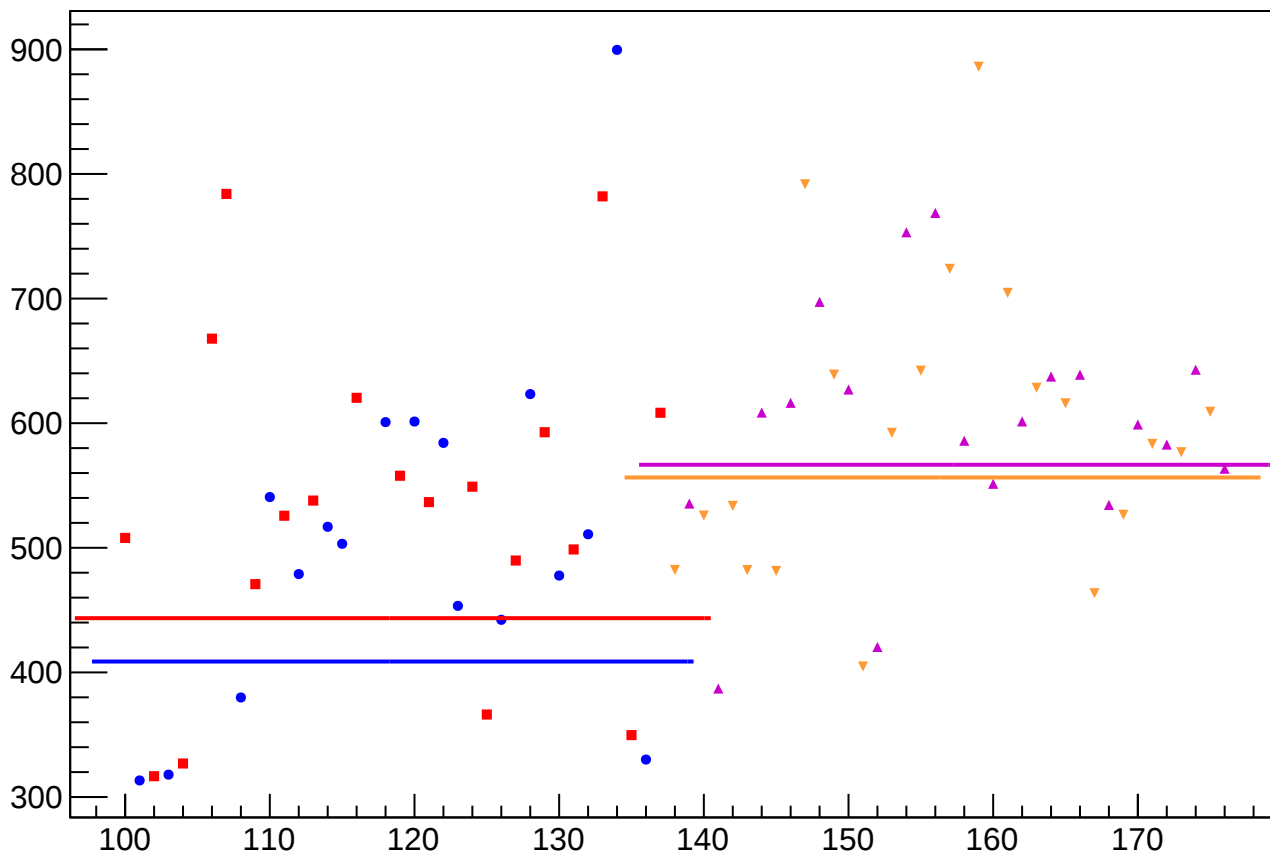
yield_bpm0l03WS_mean vs Slug



Right In: 136604.632 $\pm$ 0.171 χ^2 /NDF: 1494354557.3/16
 Left Out: 134351.264 $\pm$ 0.154 χ^2 /NDF: 14304347.1/19
 Right Out: 135982.842 $\pm$ 0.183 χ^2 /NDF: 1082431147.9/18
 Left In: 134075.710 $\pm$ 0.160 χ^2 /NDF: 11831773.8/18

+ sign 135356.438 $\pm$ 0.115 χ^2 /NDF: 1604355551.7
 All: 135142.812 $\pm$ 0.083 χ^2 /NDF: 276749053
 - sign 134906.055 $\pm$ 0.121 χ^2 /NDF: 1155796448.2/

yield_bpm0l03WS_rms vs Slug



Right In: 408.729+/-0.121 χ^2/NDF : 823262.8/16

Left Out: 556.435+/-0.109 χ^2/NDF : 901391.3/19

Right Out: 443.521+/-0.129 χ^2/NDF : 917492.4/18

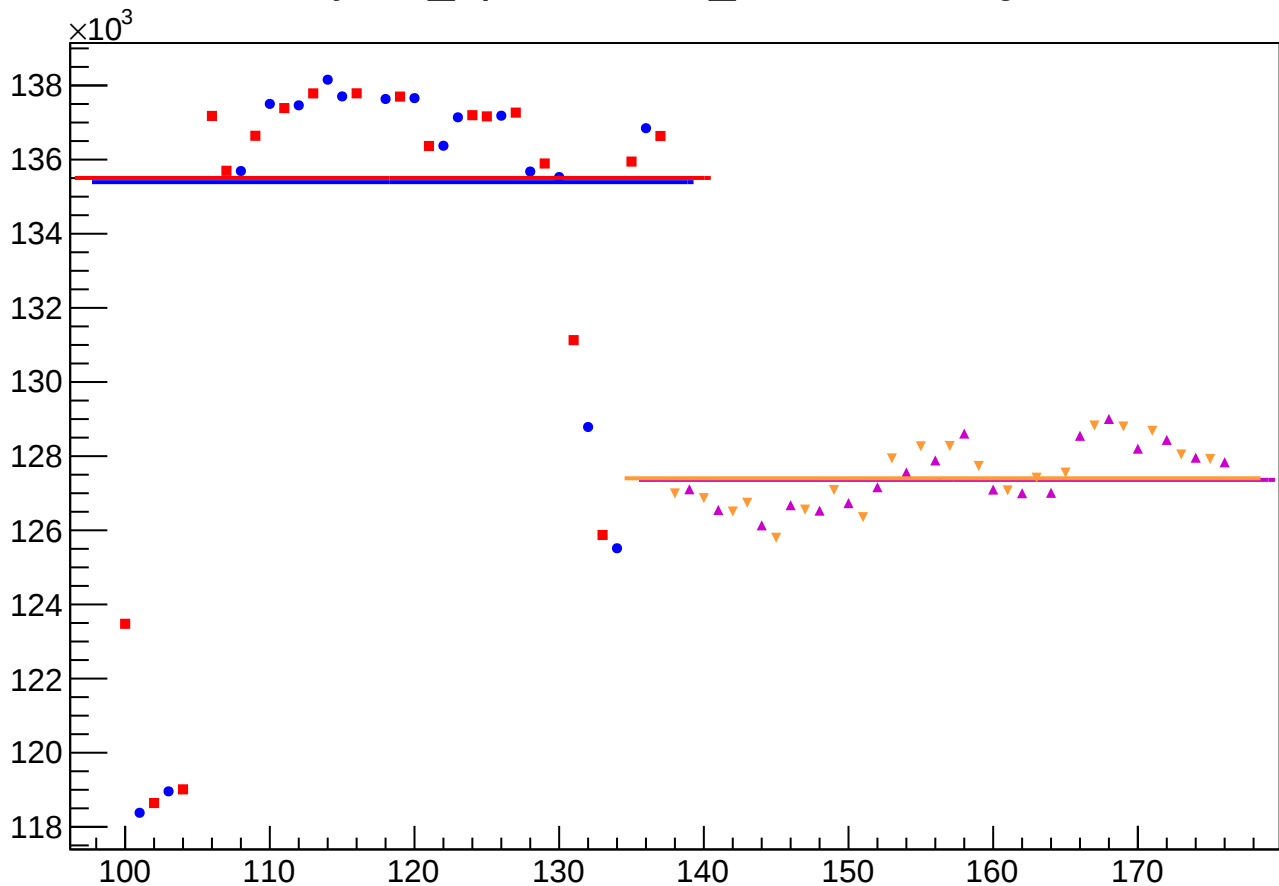
Left In: 566.618+/-0.113 χ^2/NDF : 768761.2/18

+ sign 490.547+/-0.081 χ^2/NDF : 2547008.2/36

All: 501.208+/-0.059 χ^2/NDF : 4782522.3/74

- sign 513.023+/-0.085 χ^2/NDF : 2198963.6/37

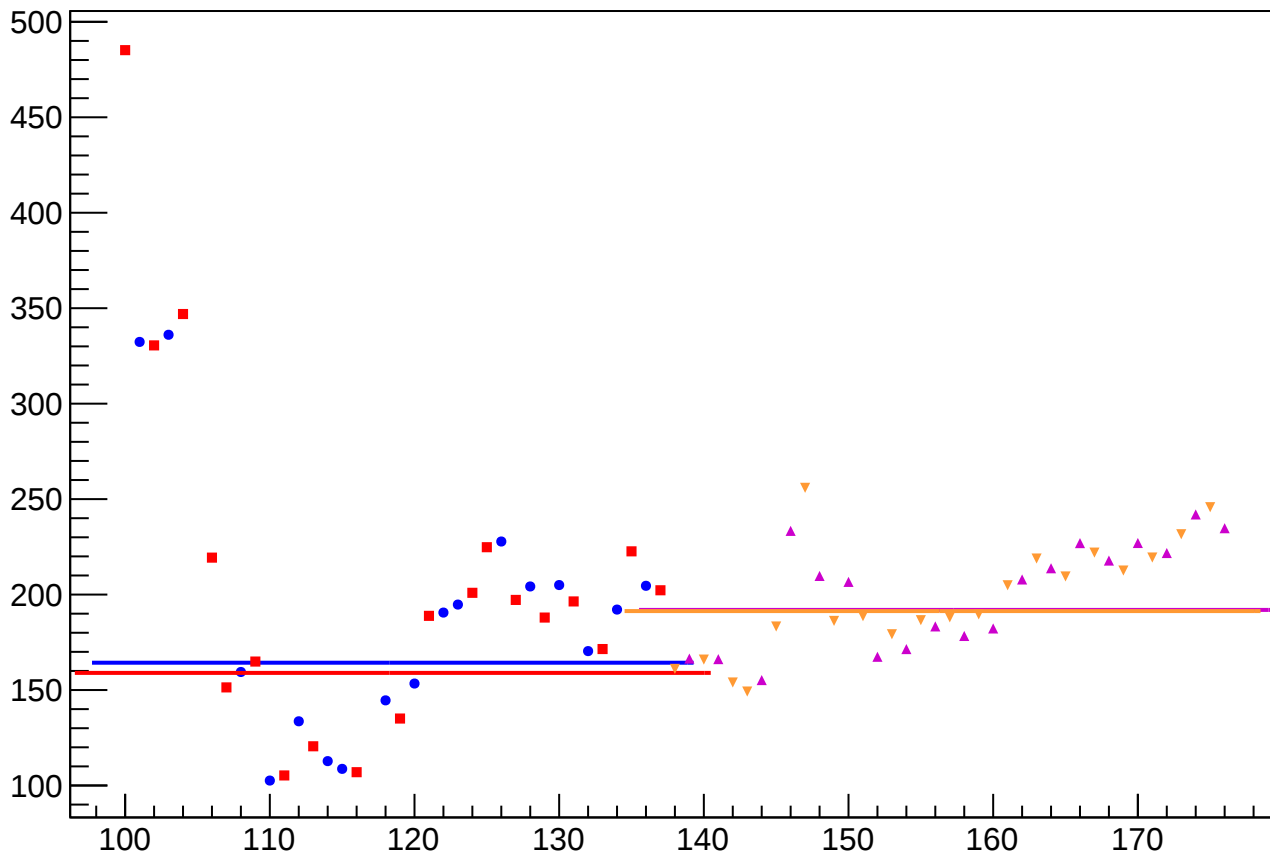
yield_bpm0l04WS_mean vs Slug



Right In: 135391.458 $\pm$ 0.068 χ^2 /NDF: 4580024611.0/16
 Left Out: 127402.869 $\pm$ 0.050 χ^2 /NDF: 278547250.1/19
 Right Out: 135504.836 $\pm$ 0.064 χ^2 /NDF: 4730667469.8/18
 Left In: 127360.062 $\pm$ 0.051 χ^2 /NDF: 252588851.2/18

+ sign 130212.093 $\pm$ 0.040 χ^2 /NDF: 13737604617.
 All: 130358.592 $\pm$ 0.028 χ^2 /NDF: 285751114
 - sign 130501.563 $\pm$ 0.040 χ^2 /NDF: 14811628348.5

yield_bpm0l04WS_rms vs Slug



Right In: 164.311 ± 0.048 χ^2/NDF : 1230487.8/16

Left Out: 191.355 ± 0.036 χ^2/NDF : 586286.6/19

Right Out: 158.977 ± 0.046 χ^2/NDF : 1384059.2/18

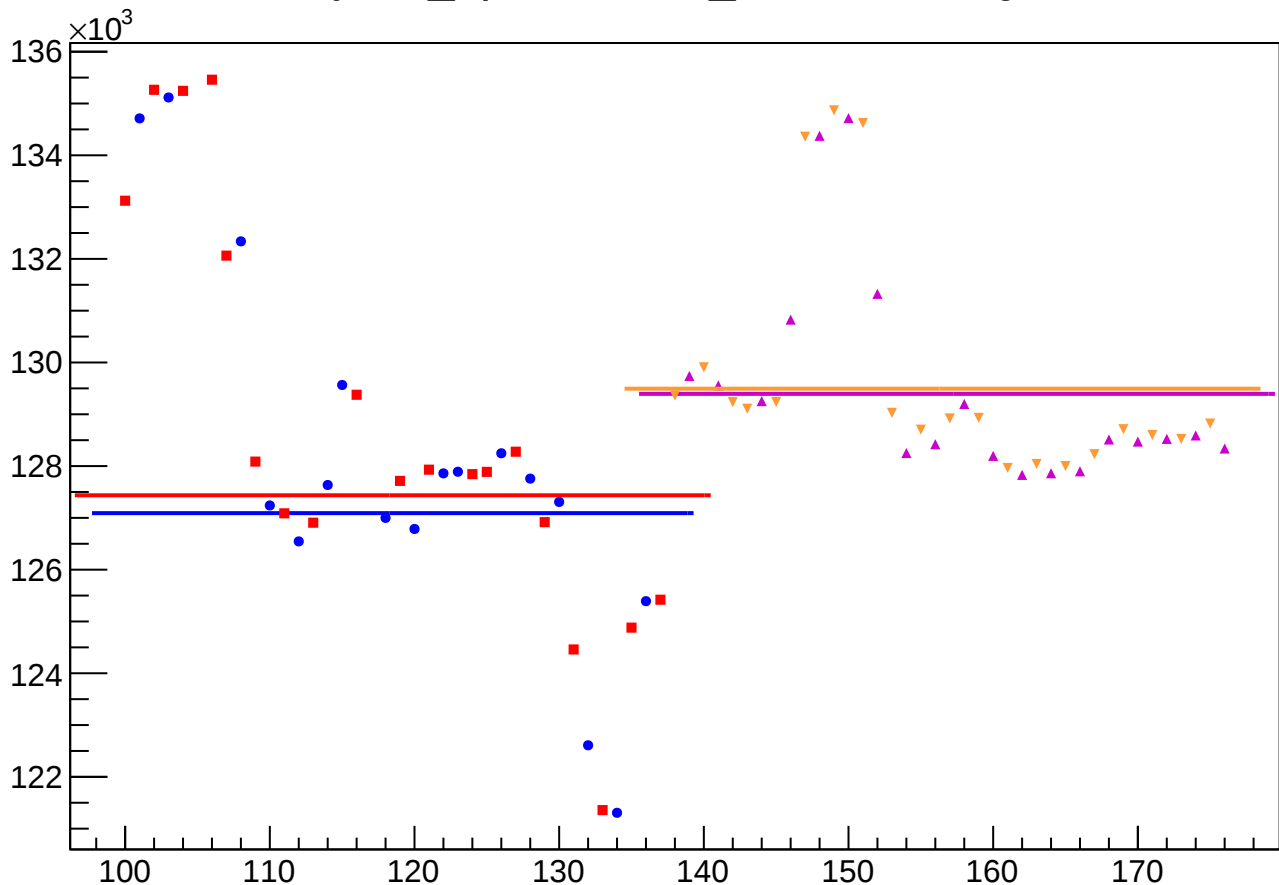
Left In: 191.966 ± 0.036 χ^2/NDF : 555963.4/18

+ sign 181.845 ± 0.029 χ^2/NDF : 2020286.9/36

All: 180.528 ± 0.020 χ^2/NDF : 4286960.3/74

- sign 179.242 ± 0.028 χ^2/NDF : 2262488.8/37

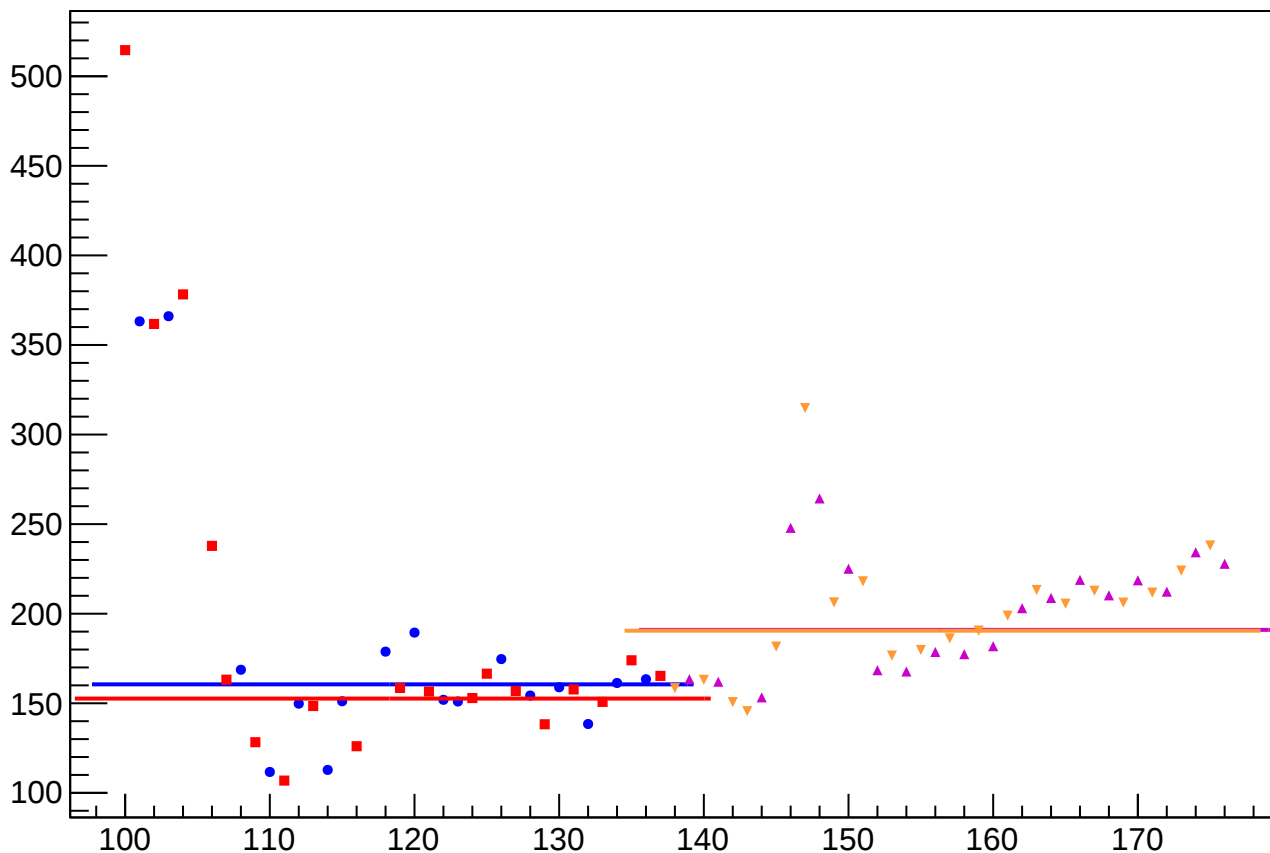
yield_bpm0l05WS_mean vs Slug



Right In: 127091.500 $\pm$ 0.066 χ^2 /NDF: 1717208780.6/16
 Left Out: 129494.224 $\pm$ 0.050 χ^2 /NDF: 1374841513.6/19
 Right Out: 127436.101 $\pm$ 0.062 χ^2 /NDF: 2079075713.9/18
 Left In: 129394.031 $\pm$ 0.051 χ^2 /NDF: 1150679688.6/18

+ sign 128616.880 $\pm$ 0.040 χ^2 /NDF: 3925748603.8
 All: 128607.564 $\pm$ 0.028 χ^2 /NDF: 775653453
 - sign 128598.634 $\pm$ 0.039 χ^2 /NDF: 3830680033.6

yield_bpm0l05WS_rms vs Slug



Right In: 160.564 $\pm$ 0.047 χ^2 /NDF: 942747.0/16

Left Out: 190.510 $\pm$ 0.036 χ^2 /NDF: 742928.7/19

+ sign 179.575 $\pm$ 0.028 χ^2 /NDF: 1944675.1/36

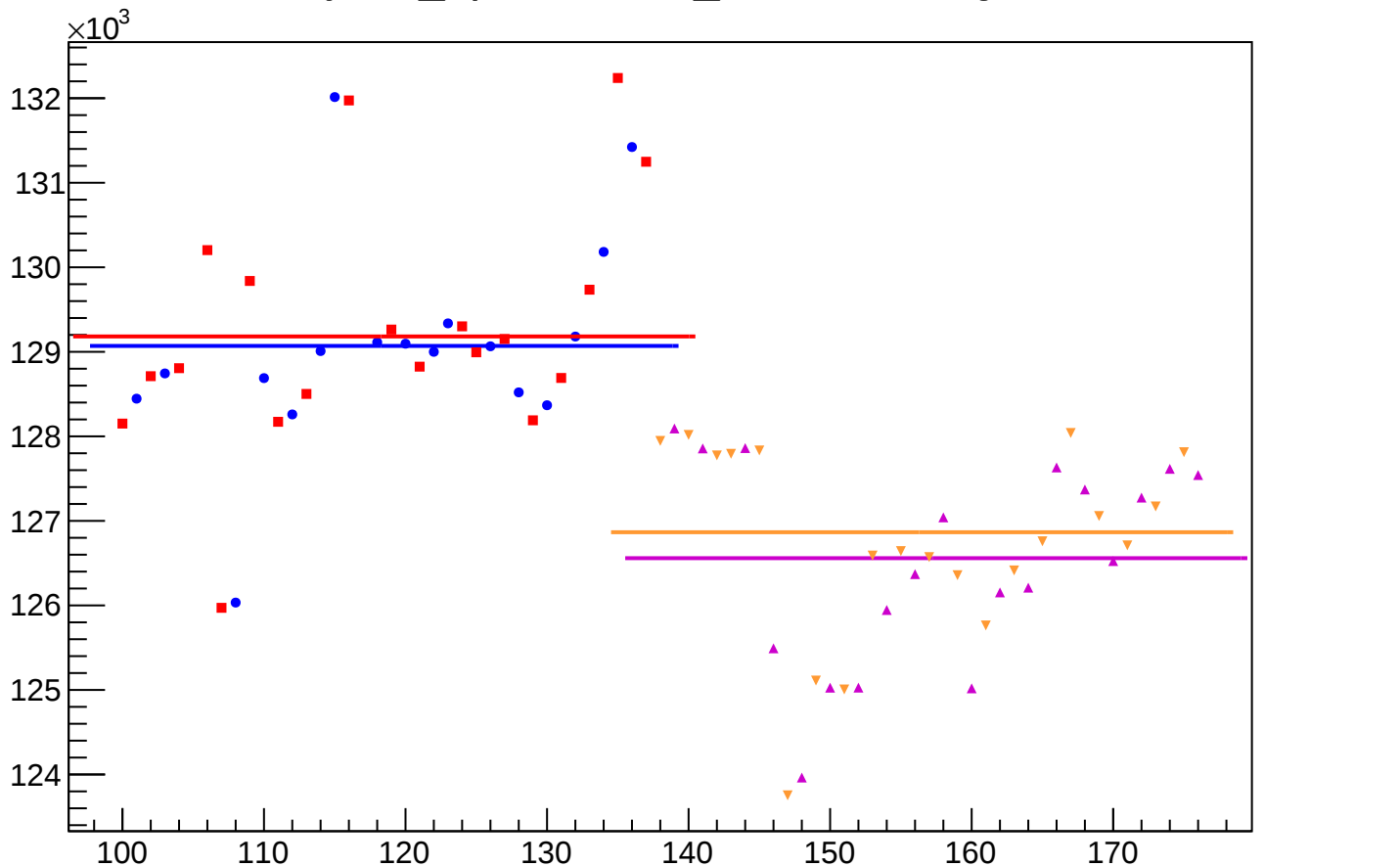
Right Out: 152.629 $\pm$ 0.044 χ^2 /NDF: 1086504.4/18

All: 177.441 $\pm$ 0.020 χ^2 /NDF: 4192514.2/74

- sign 175.396 $\pm$ 0.028 χ^2 /NDF: 2236726.4/37

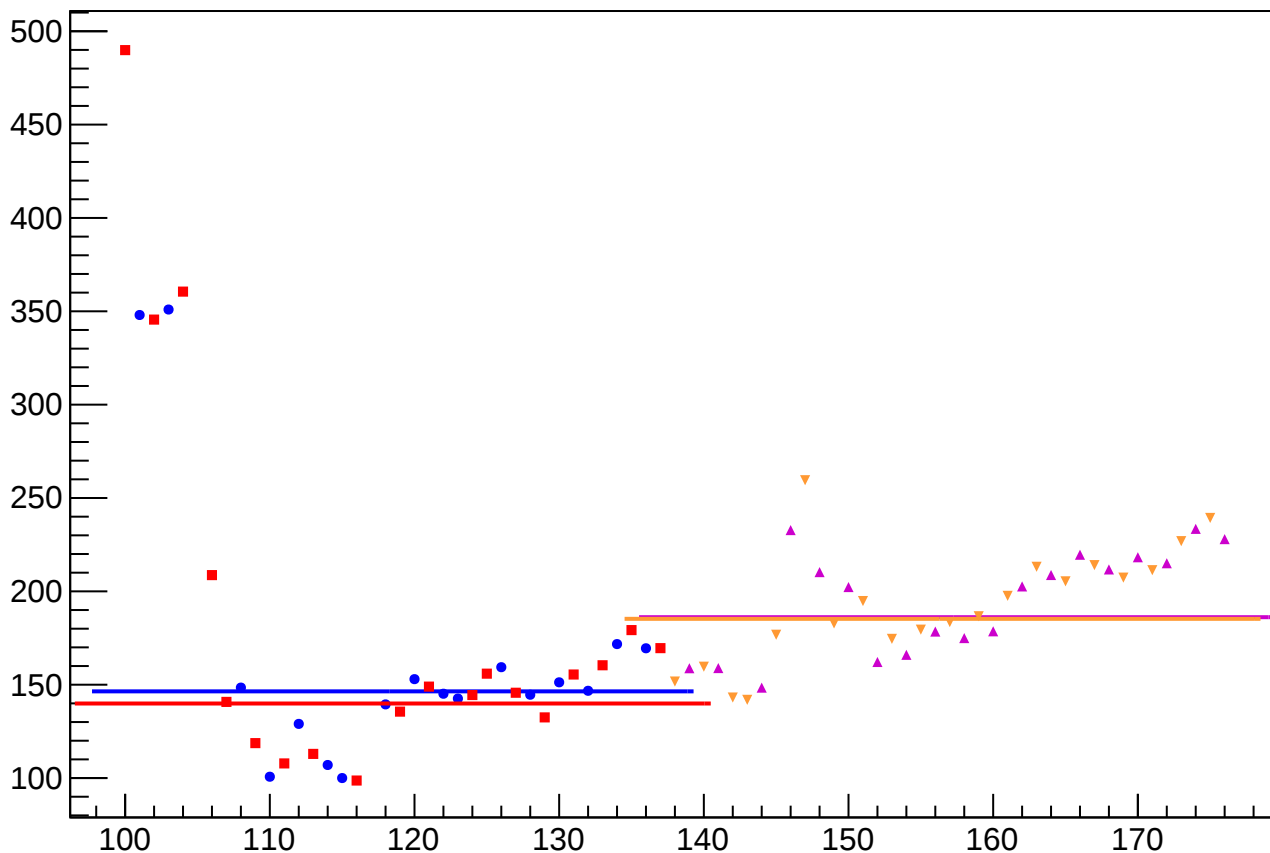
Left In: 190.973 $\pm$ 0.036 χ^2 /NDF: 689280.1/18

yield_bpm0l06WS_mean vs Slug



Right In: 129069.668 $\pm$ 0.060	χ^2 /NDF: 476692316.5/16	+ sign 127739.855 $\pm$ 0.038	χ^2 /NDF: 1763626680.1
Left Out: 126865.936 $\pm$ 0.049	χ^2 /NDF: 477487301.5/19	All: 127723.474 $\pm$ 0.027	χ^2 /NDF: 420162111
Right Out: 129181.887 $\pm$ 0.056	χ^2 /NDF: 625597399.6/18	- sign 127707.751 $\pm$ 0.037	χ^2 /NDF: 2437628128.5/
Left In: 126558.807 $\pm$ 0.050	χ^2 /NDF: 583018648.7/18		

yield_bpm0l06WS_rms vs Slug



Right In: 146.437 ± 0.043 χ^2/NDF : 1064791.0/16

Left Out: 185.283 ± 0.034 χ^2/NDF : 691401.1/19

Right Out: 139.929 ± 0.040 χ^2/NDF : 1203570.9/18

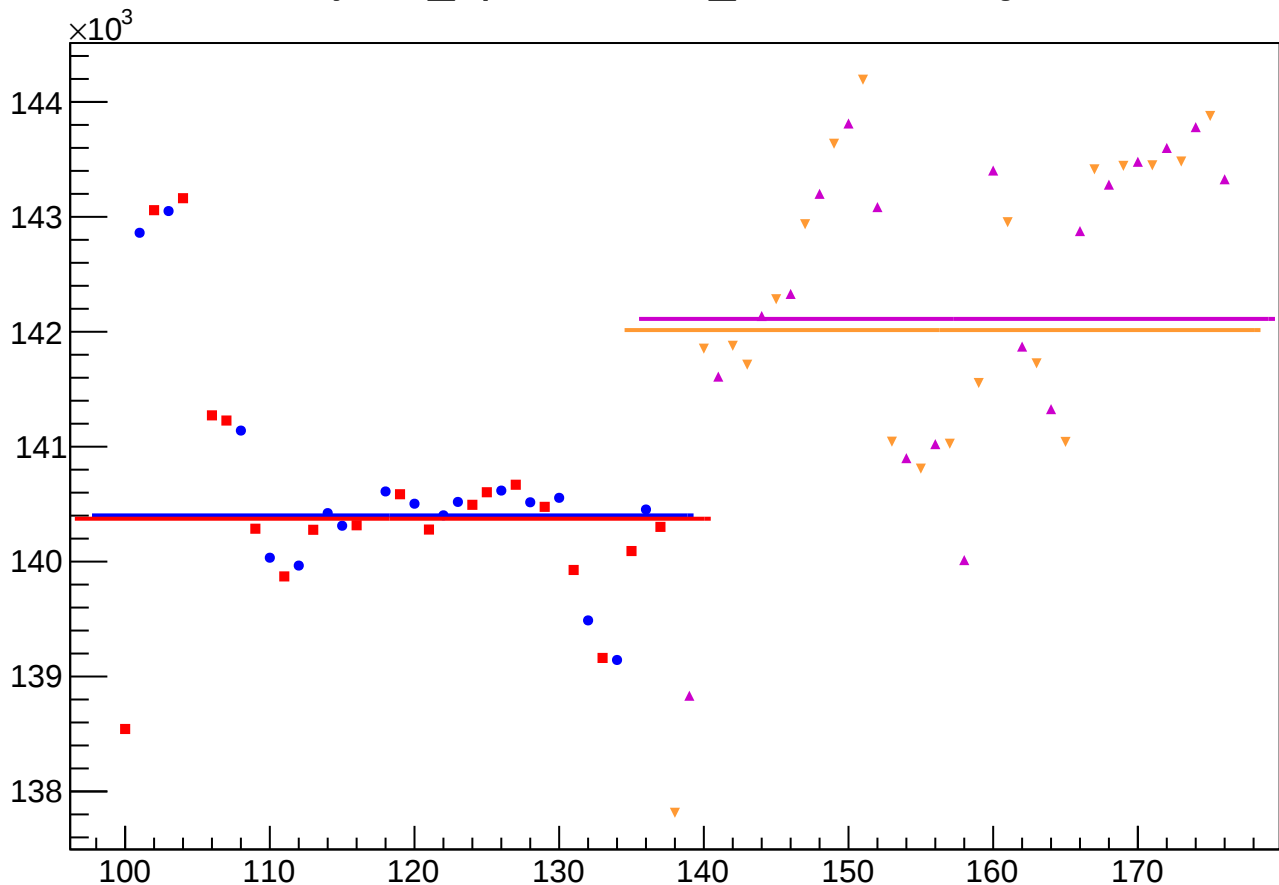
Left In: 186.162 ± 0.035 χ^2/NDF : 606968.5/18

+ sign 169.879 ± 0.027 χ^2/NDF : 2259222.7/36

All: 167.854 ± 0.019 χ^2/NDF : 4844554.1/74

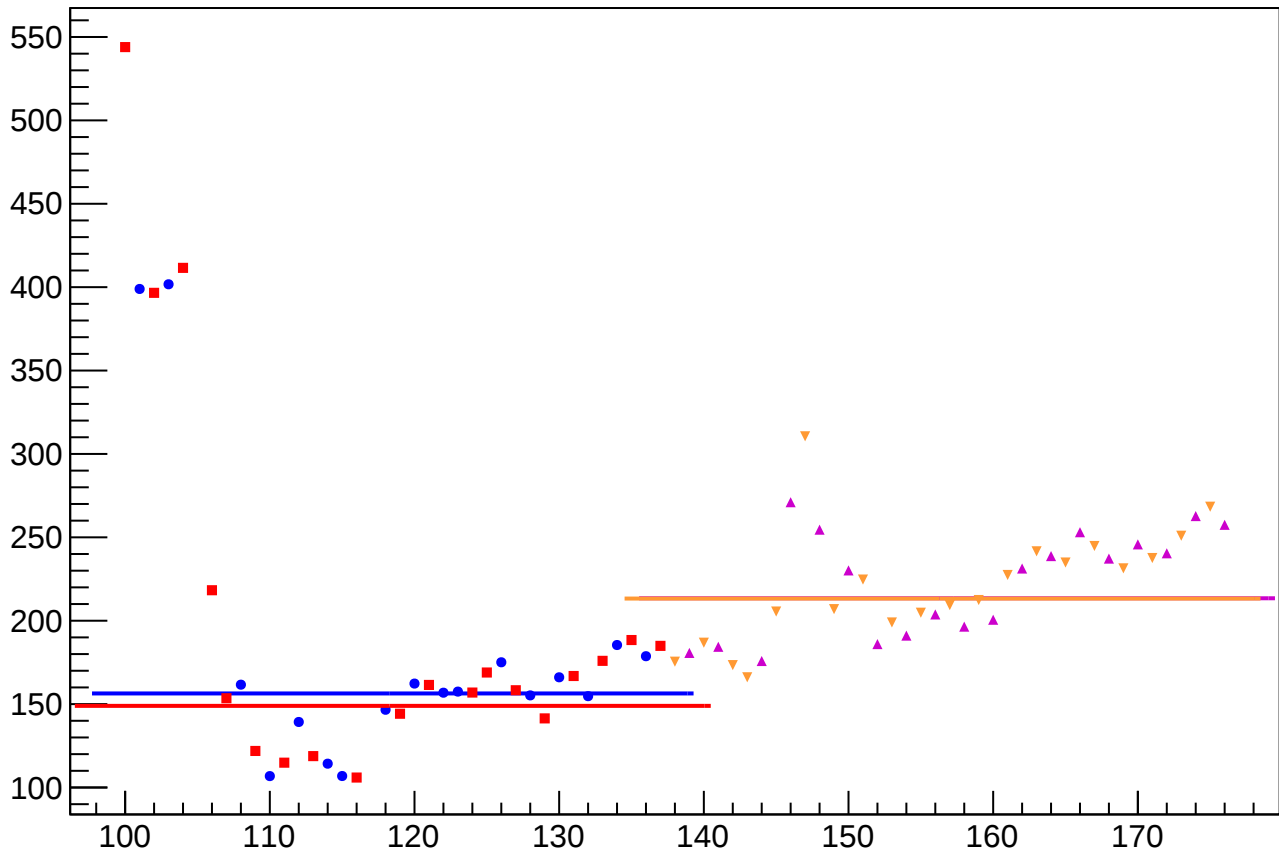
- sign 165.911 ± 0.026 χ^2/NDF : 2574145.5/37

yield_bpm0l07WS_mean vs Slug



Right In: 140402.010+/-0.064	χ^2/NDF : 88071774.7/16	+ sign 141317.617+/-0.042	χ^2/NDF : 1218760833.9/16
Left Out: 142014.760+/-0.056	χ^2/NDF : 774066592.0/19	All: 141302.460+/-0.030	χ^2/NDF : 238395556.0/35
Right Out: 140373.163+/-0.060	χ^2/NDF : 99854533.3/18	- sign 141288.087+/-0.041	χ^2/NDF : 1164944676.7/16
Left In: 142111.975+/-0.057	χ^2/NDF : 620974107.5/18		

yield_bpm0l07WS_rms vs Slug



Right In: 156.394 $\pm$ 0.046 χ^2 /NDF: 1154804.2/16

Left Out: 213.288 $\pm$ 0.040 χ^2 /NDF:604986.3/19

Right Out: 148.949 $\pm$ 0.042 χ^2 /NDF: 1307651.5/18

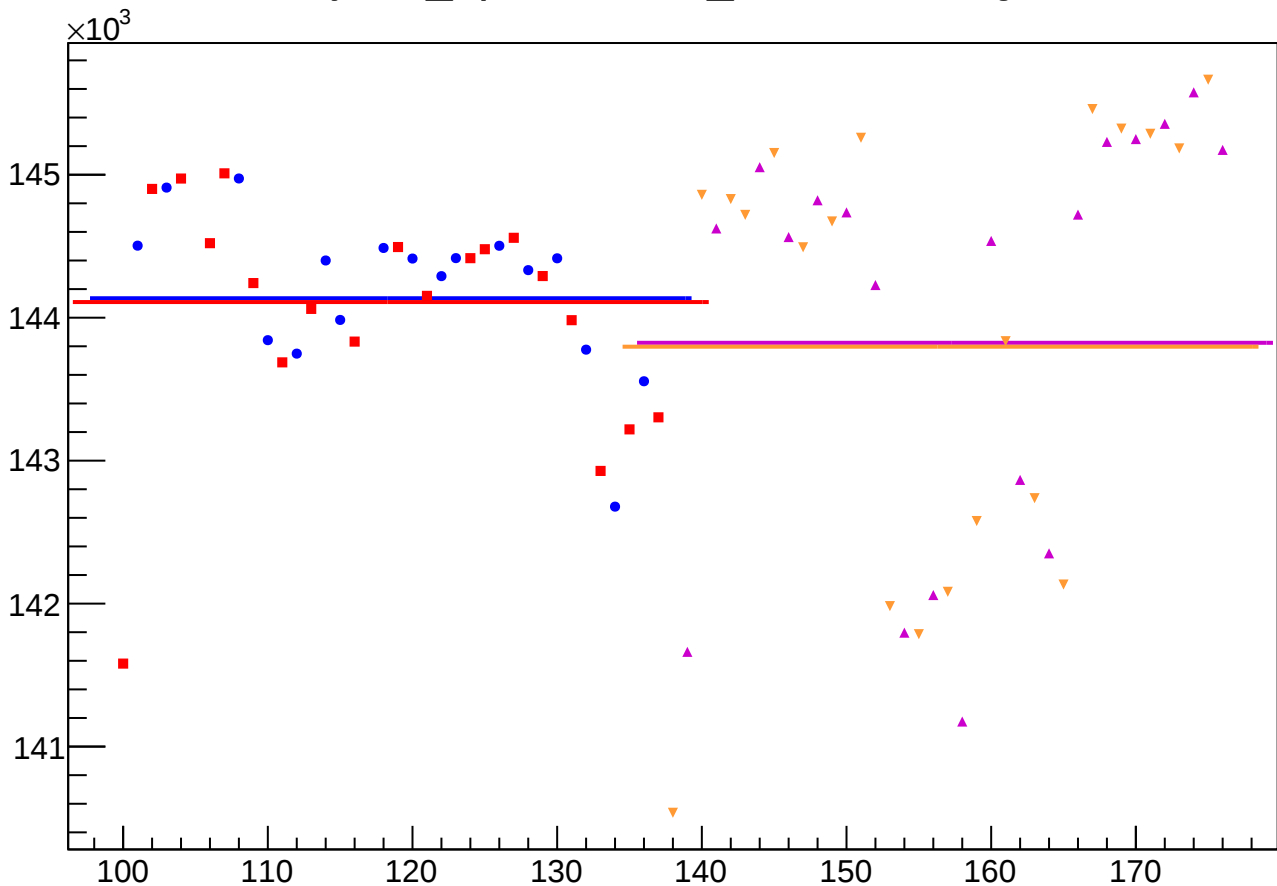
Left In: 213.460 $\pm$ 0.040 χ^2 /NDF:567035.9/18

+ sign 188.694 $\pm$ 0.030 χ^2 /NDF: 2647442.3/36

All: 185.717 $\pm$ 0.021 χ^2 /NDF: 5764044.0/74

- sign 182.894 $\pm$ 0.029 χ^2 /NDF: 3097304.0/37

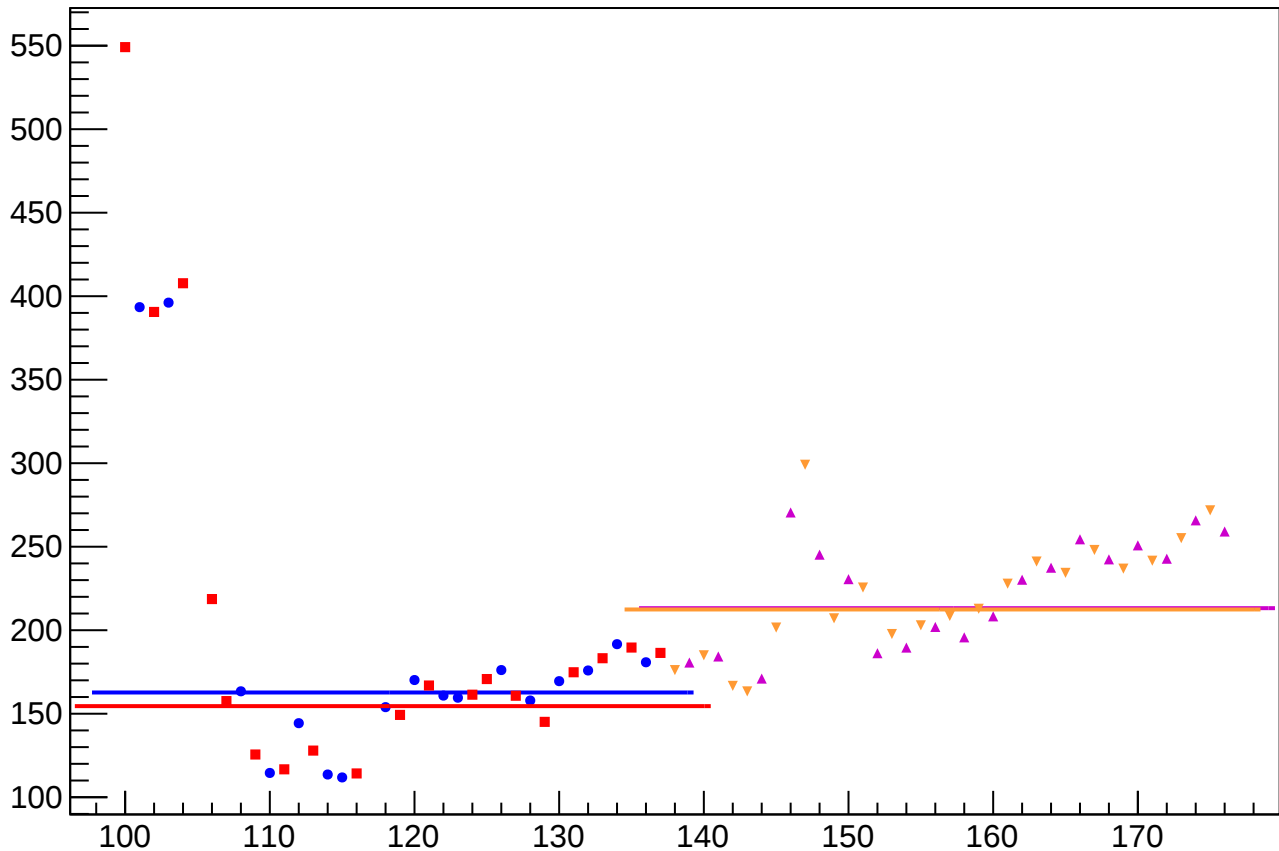
yield_bpm0l08WS_mean vs Slug



Right In: 144136.118 ± 0.067 $\chi^2/\text{NDF}: 47069480.3/16$
 Left Out: 143797.145 ± 0.056 $\chi^2/\text{NDF}: 806293110.3/19$
 Right Out: 144109.419 ± 0.062 $\chi^2/\text{NDF}: 65258627.2/18$
 Left In: 143824.418 ± 0.057 $\chi^2/\text{NDF}: 676955513.6/18$

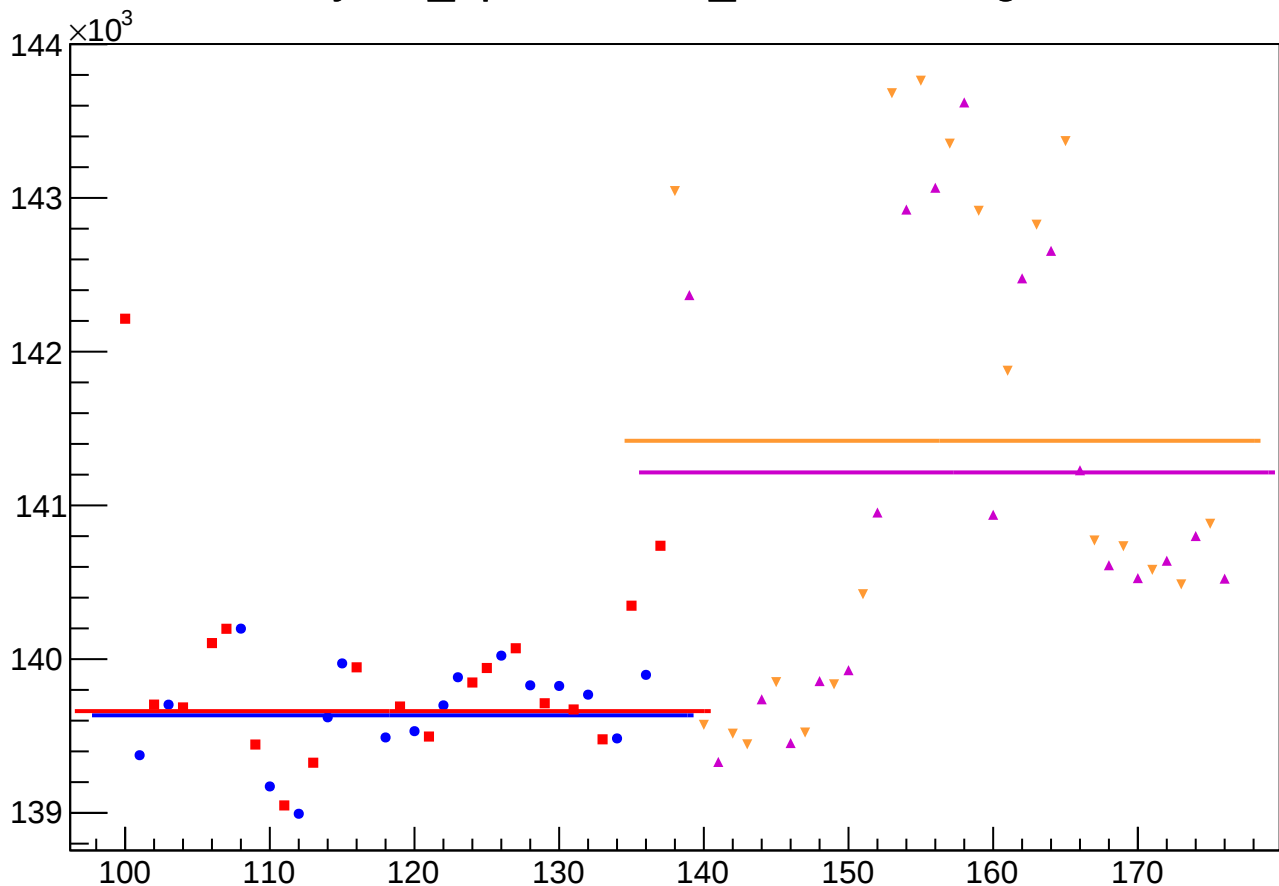
+ sign 143936.954 ± 0.043 $\chi^2/\text{NDF}: 868505918.4/3$
 All: 143946.053 ± 0.030 $\chi^2/\text{NDF}: 16223269$
 - sign 143954.713 ± 0.042 $\chi^2/\text{NDF}: 753733192.9/3$

yield_bpm0l08WS_rms vs Slug



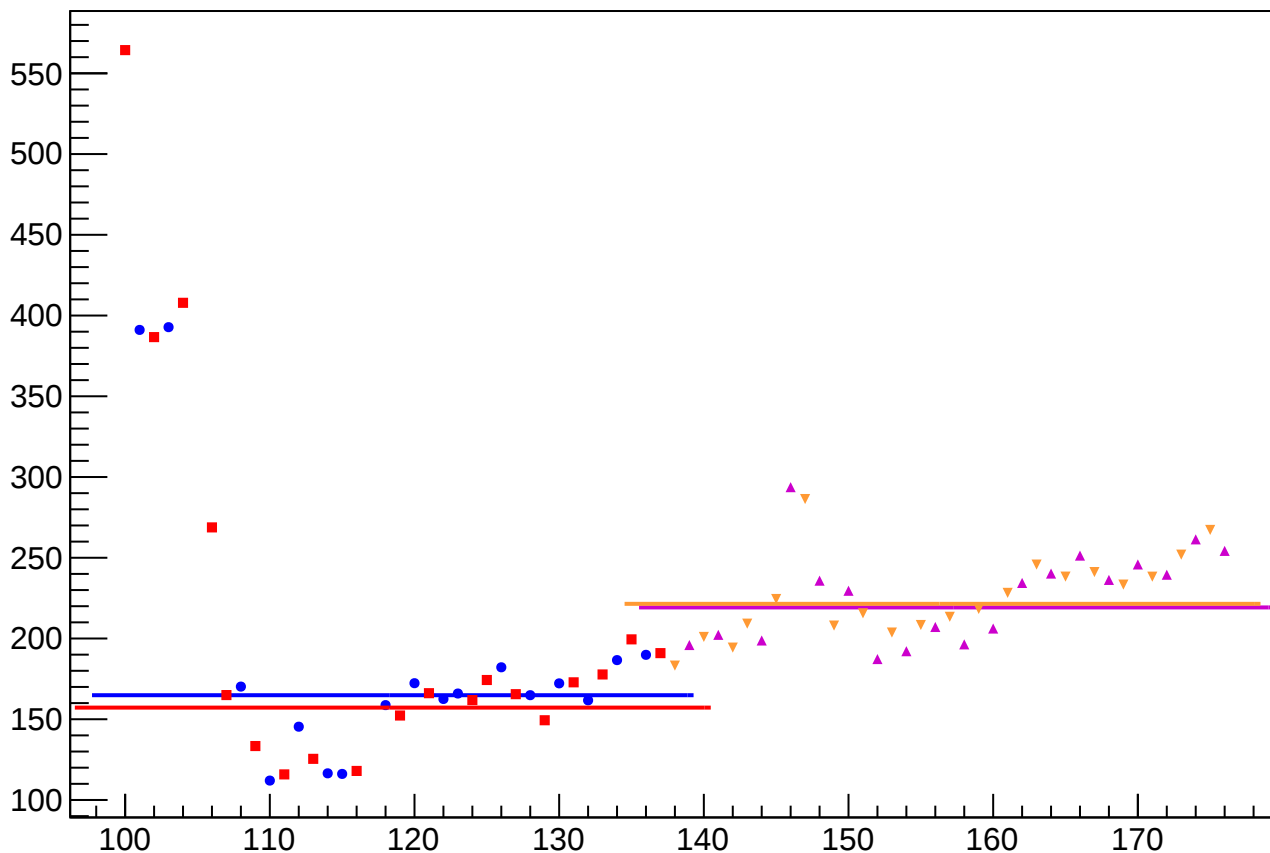
Right In: 162.714+/-0.047	χ^2/NDF : 1066482.0/16	+ sign 191.919+/-0.030	χ^2/NDF : 2373074.0/36
Left Out: 212.420+/-0.040	χ^2/NDF : 655343.6/19	All: 189.085+/-0.021	χ^2/NDF : 5187128.5/74
Right Out: 154.547+/-0.044	χ^2/NDF : 1217495.9/18	- sign 186.387+/-0.030	χ^2/NDF : 2796997.4/37
Left In: 213.203+/-0.040	χ^2/NDF : 603657.5/18		

yield_bpm0l09WS_mean vs Slug



Right In: 139634.700+/-0.068	χ^2/NDF : 24844912.0/16	+ sign 140666.413+/-0.044	χ^2/NDF : 1171174987.1
Left Out: 141420.354+/-0.058	χ^2/NDF : 745277814.4/19	All: 140580.851+/-0.031	χ^2/NDF : 208261894
Right Out: 139661.970+/-0.063	χ^2/NDF : 38372985.0/18	- sign 140500.196+/-0.043	χ^2/NDF : 904111342.8/3
Left In: 141214.549+/-0.058	χ^2/NDF : 538222243.2/18		

yield_bpm0l09WS_rms vs Slug



Right In: 164.884 $\pm$ 0.048 χ^2 /NDF: 1066270.8/16

Left Out: 221.469 $\pm$ 0.041 χ^2 /NDF: 320949.2/19

Right Out: 157.207 $\pm$ 0.045 χ^2 /NDF: 1245030.9/18

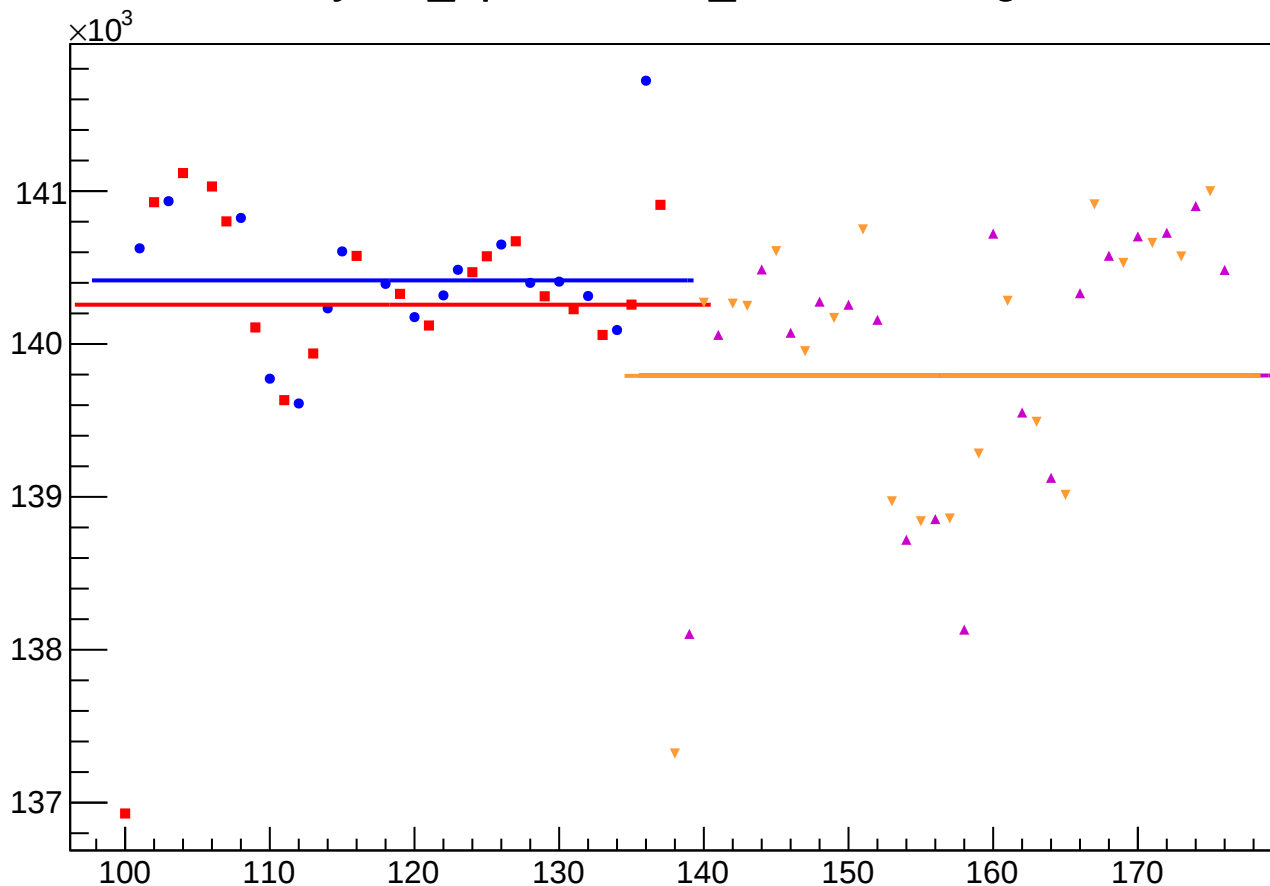
Left In: 219.239 $\pm$ 0.041 χ^2 /NDF: 408870.7/18

+ sign 197.578 $\pm$ 0.031 χ^2 /NDF: 2192651.4/36

All: 194.036 $\pm$ 0.022 χ^2 /NDF: 4917303.6/74

- sign 190.698 $\pm$ 0.030 χ^2 /NDF: 2699526.1/37

yield_bpm0l10WS_mean vs Slug



Right In: 140416.064 ± 0.068 $\chi^2/\text{NDF}: 69975821.3/16$

Left Out: 139791.809 ± 0.055 $\chi^2/\text{NDF}: 318202446.6/19$

Right Out: 140256.992 ± 0.063 $\chi^2/\text{NDF}: 38063371.4/18$

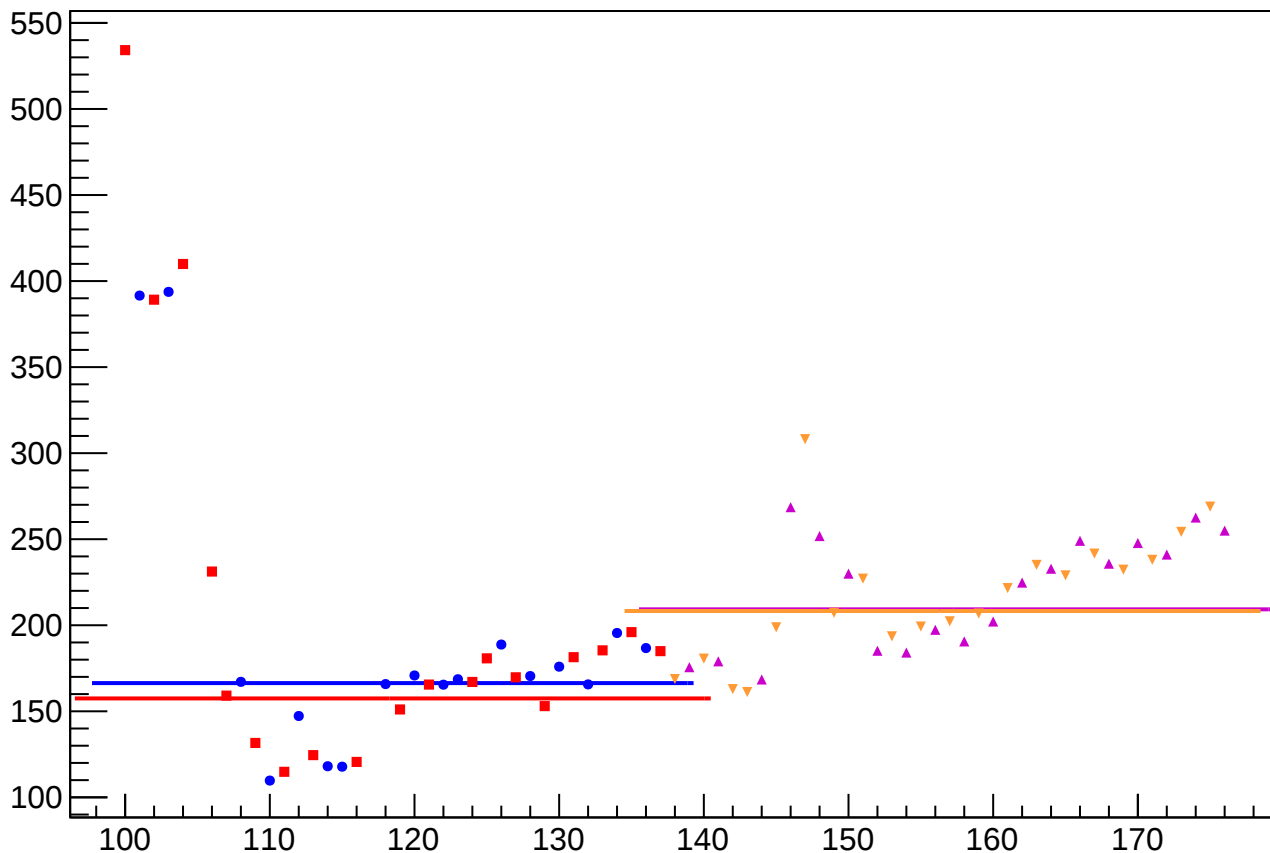
Left In: 139793.993 ± 0.056 $\chi^2/\text{NDF}: 269758614.7/18$

+ sign 140036.238 ± 0.043 $\chi^2/\text{NDF}: 438866947.0/3$

All: 140016.008 ± 0.030 $\chi^2/\text{NDF}: 777348643.0/3$

- sign 139996.725 ± 0.042 $\chi^2/\text{NDF}: 338045264.2/3$

yield_bpm0l10WS_rms vs Slug



Right In: 166.388 ± 0.048 χ^2/NDF : 1080964.8/16

Left Out: 208.285 ± 0.039 χ^2/NDF : 716670.2/19

Right Out: 157.475 ± 0.045 χ^2/NDF : 1229886.8/18

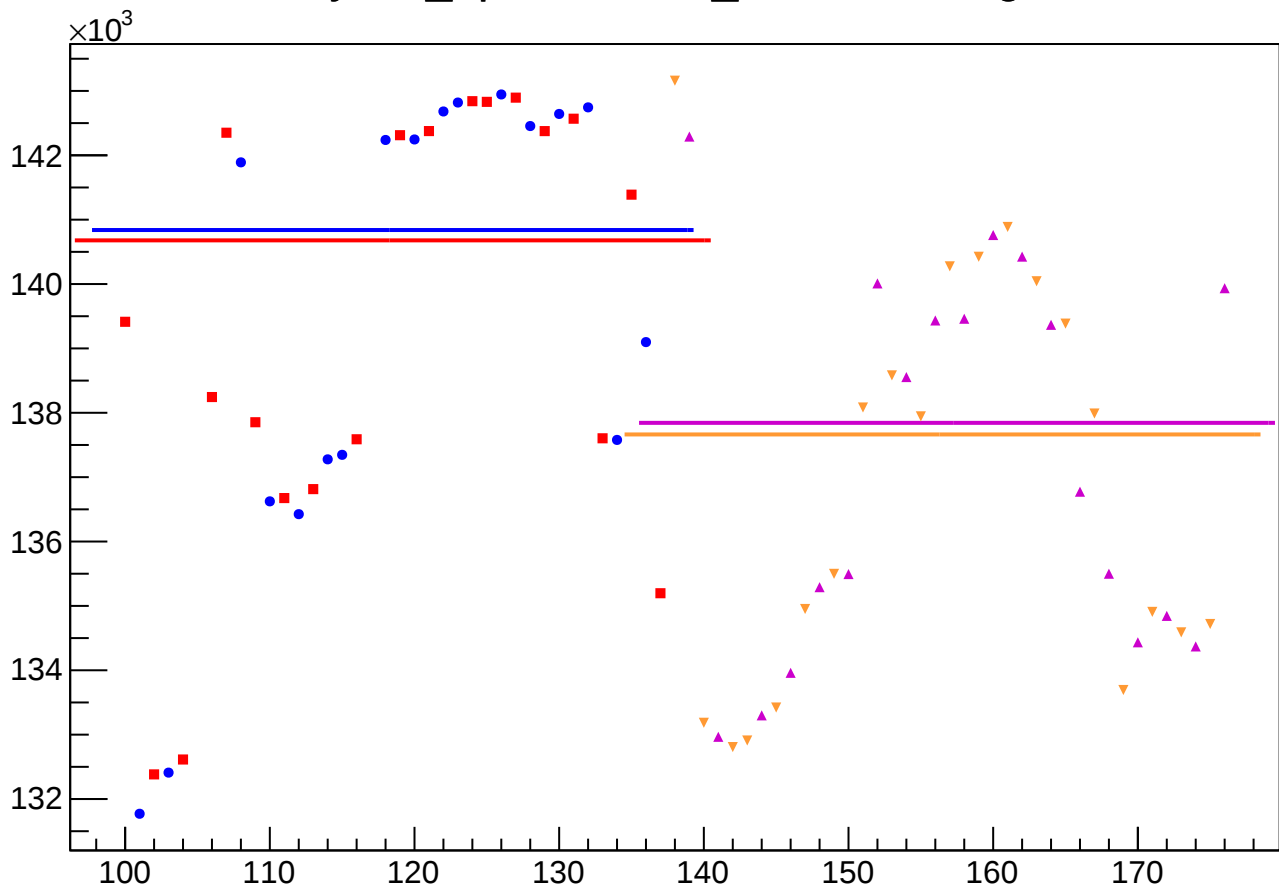
Left In: 209.253 ± 0.039 χ^2/NDF : 649495.1/18

+ sign 191.880 ± 0.030 χ^2/NDF : 2254284.6/36

All: 189.167 ± 0.021 χ^2/NDF : 4905317.1/74

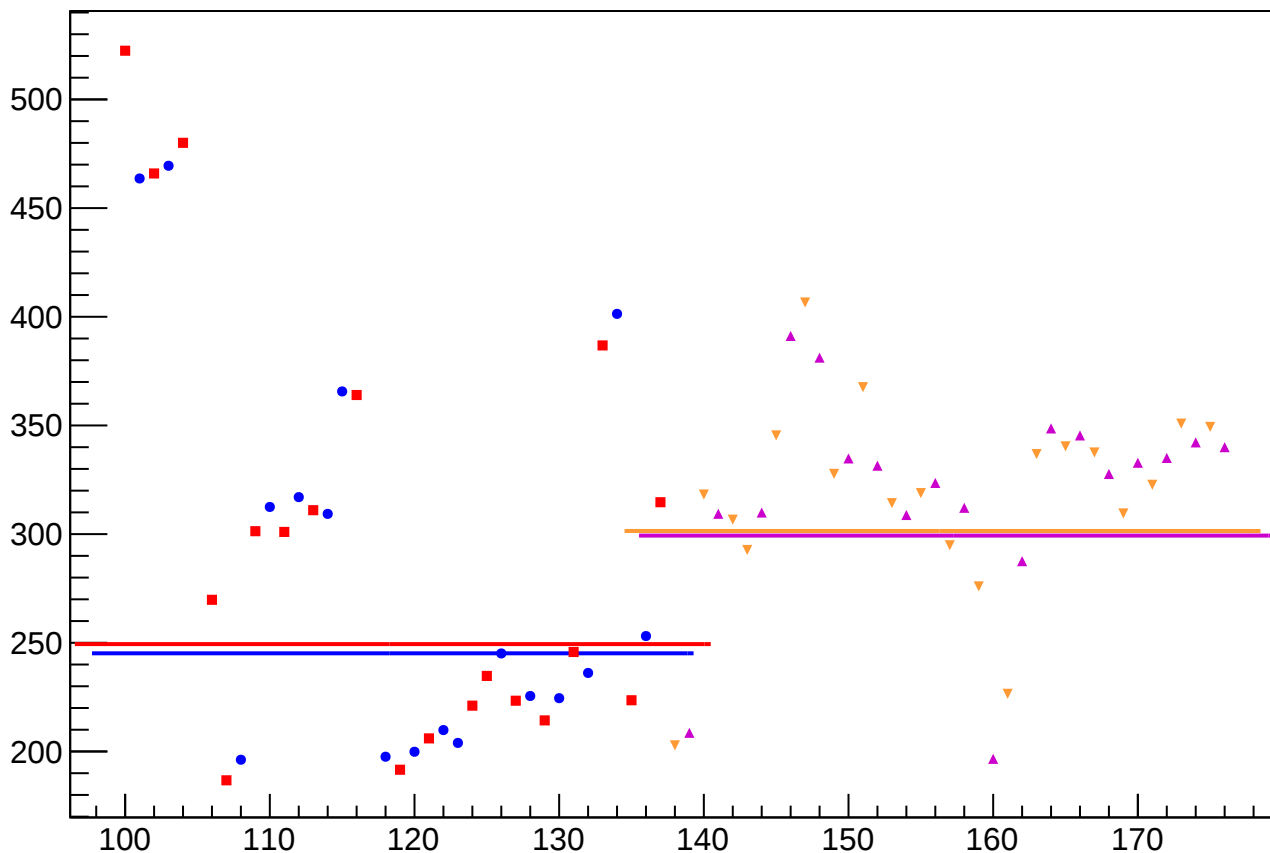
- sign 186.581 ± 0.030 χ^2/NDF : 2635335.5/37

yield_bpm0r03WS_mean vs Slug



Right In: 140839.133 $\pm$ 0.100	χ^2 /NDF: 822682996.3/16	+ sign 138903.663 $\pm$ 0.062	χ^2 /NDF: 3196231932.9
Left Out: 137663.584 $\pm$ 0.080	χ^2 /NDF: 1759075011.7/19	All: 138938.799 $\pm$ 0.044	χ^2 /NDF: 59654873
Right Out: 140678.513 $\pm$ 0.099	χ^2 /NDF: 840695274.4/18	- sign 138974.023 $\pm$ 0.063	χ^2 /NDF: 2768622468.4/18
Left In: 137843.693 $\pm$ 0.081	χ^2 /NDF: 1435923765.9/18		

yield_bpm0r03WS_rms vs Slug



Right In: 245.159+/-0.071 χ^2/NDF : 869491.6/16

Left Out: 301.446+/-0.057 χ^2/NDF : 835810.4/19

Right Out: 249.397+/-0.070 χ^2/NDF : 1009731.2/18

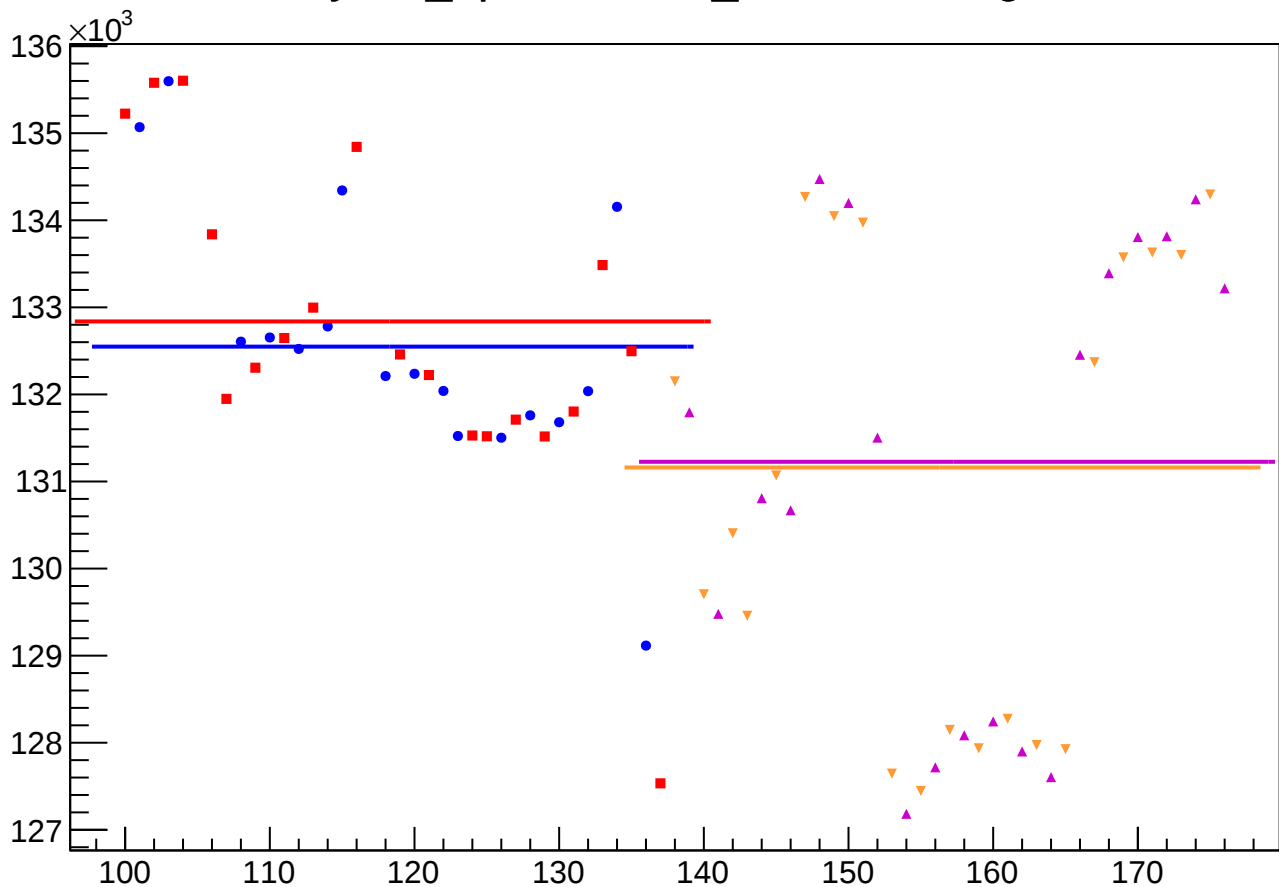
Left In: 299.324+/-0.057 χ^2/NDF : 1013913.1/18

+ sign 279.465+/-0.044 χ^2/NDF : 2091413.5/36

All: 279.441+/-0.031 χ^2/NDF : 4420286.7/74

- sign 279.417+/-0.044 χ^2/NDF : 2328872.5/37

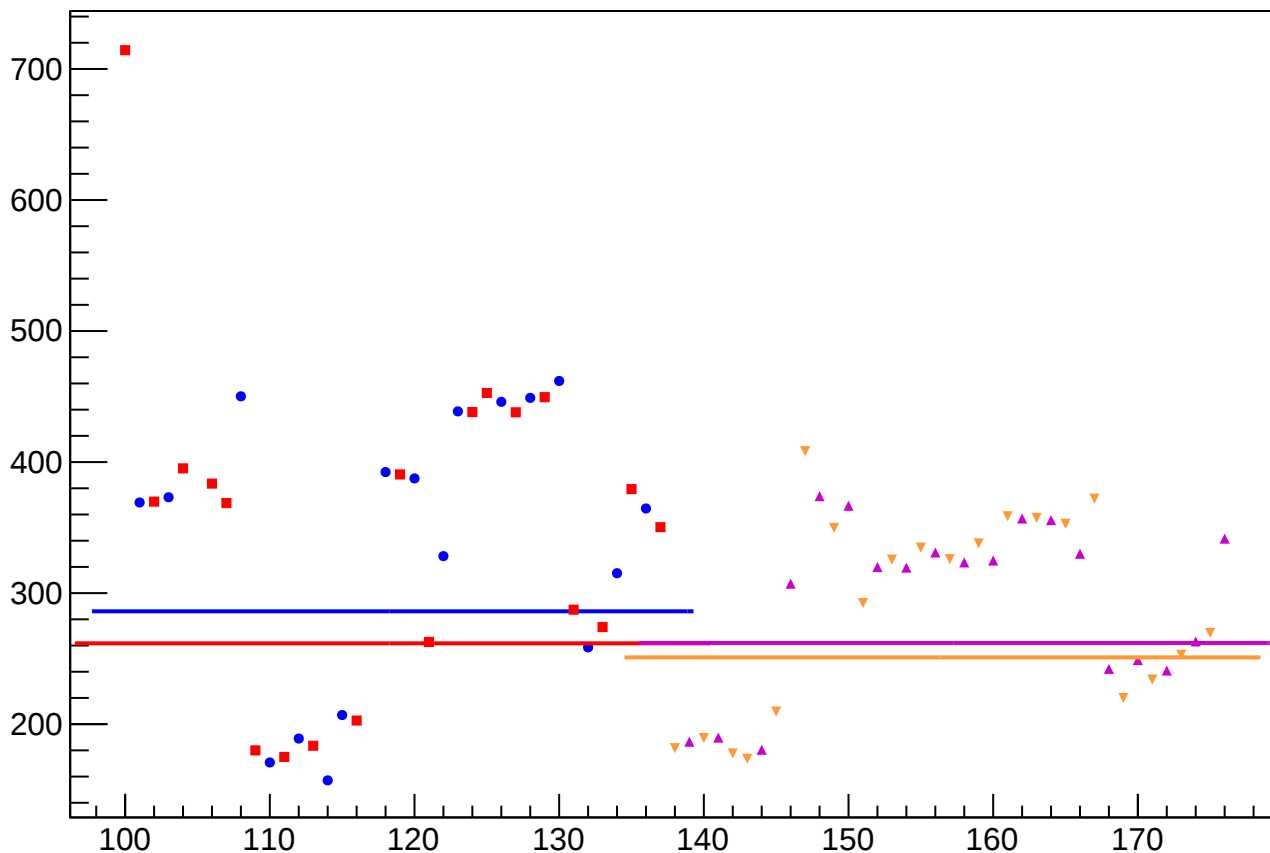
yield_bpm0r05WS_mean vs Slug



Right In: 132548.888 ± 0.119 $\chi^2/\text{NDF}: 161115079.9/16$
 Left Out: 131161.072 ± 0.068 $\chi^2/\text{NDF}: 1153771096.1/19$
 Right Out: 132838.294 ± 0.107 $\chi^2/\text{NDF}: 149611447.6/18$
 Left In: 131226.386 ± 0.071 $\chi^2/\text{NDF}: 1045390743.1/18$

+ sign 131501.189 ± 0.059 $\chi^2/\text{NDF}: 1416925715.3$
 All: 131611.183 ± 0.042 $\chi^2/\text{NDF}: 277571422$
 - sign 131722.347 ± 0.059 $\chi^2/\text{NDF}: 1351822655.7$

yield_bpm0r05WS_rms vs Slug



Right In: 286.122 $\pm$ 0.084 χ^2 /NDF: 1525266.4/16

Left Out: 250.948 $\pm$ 0.048 χ^2 /NDF:2146832.5/19

Right Out: 261.686 $\pm$ 0.076 χ^2 /NDF: 1623174.1/18

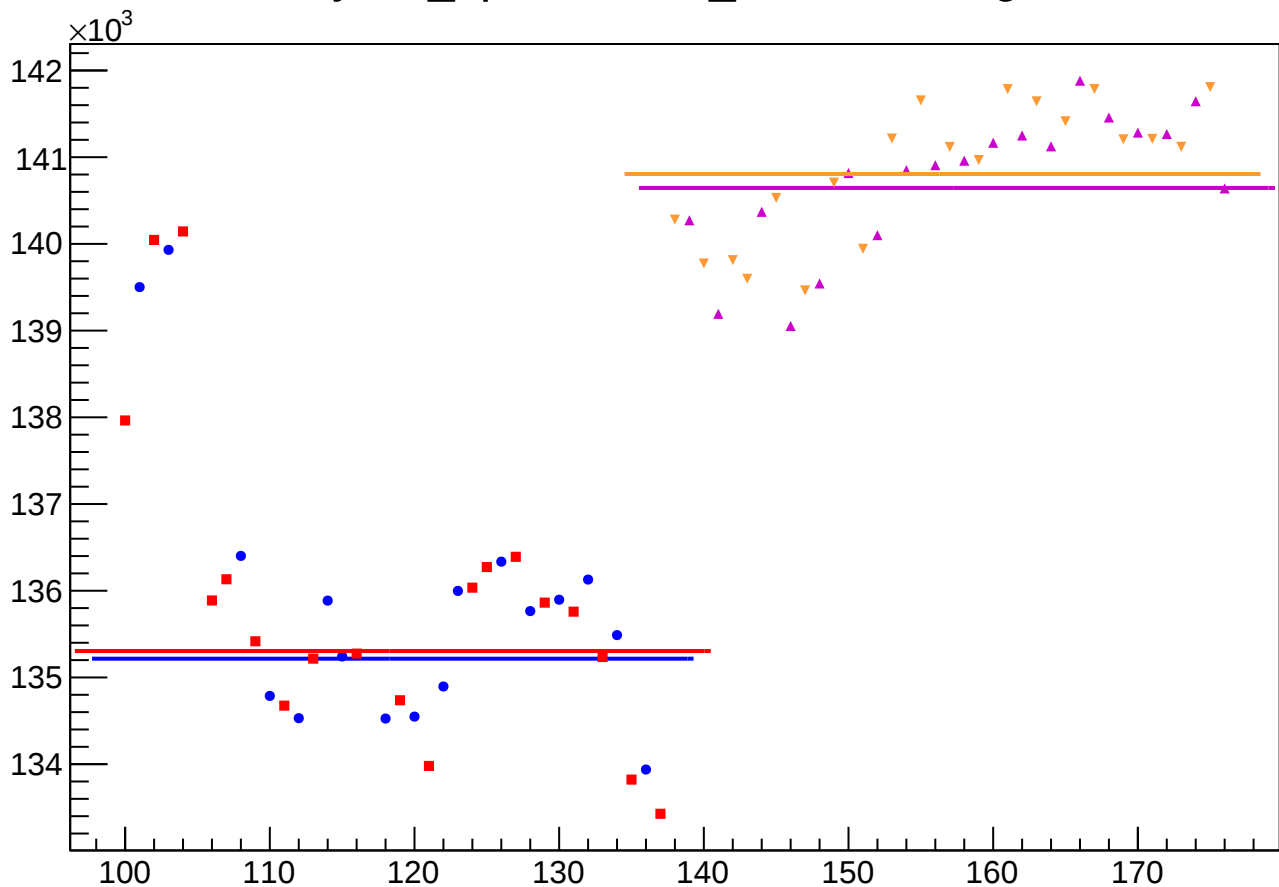
Left In: 261.979 $\pm$ 0.050 χ^2 /NDF:1737685.3/18

+ sign 259.568 $\pm$ 0.042 χ^2 /NDF: 3803194.7/36

All: 260.722 $\pm$ 0.030 χ^2 /NDF: 7165598.6/74

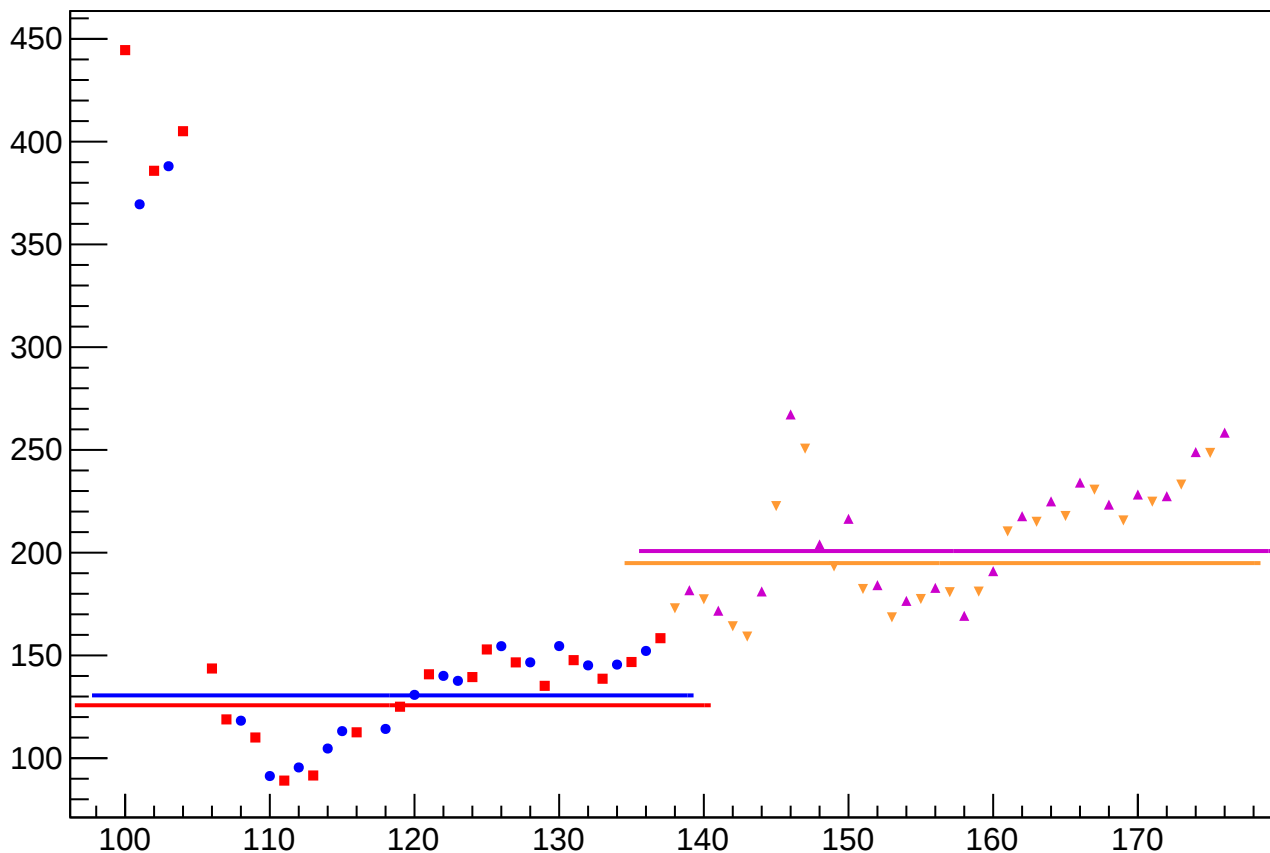
- sign 261.889 $\pm$ 0.042 χ^2 /NDF: 3360869.7/37

yield_bpm0i02WS_mean vs Slug



Right In: 135216.588 $\pm$ 0.054	χ^2 /NDF: 371347707.3/16	+ sign 138174.826 $\pm$ 0.037	χ^2 /NDF: 6184804444.6
Left Out: 140806.131 $\pm$ 0.051	χ^2 /NDF: 216993587.4/19	All: 138015.104 $\pm$ 0.026	χ^2 /NDF: 119826711
Right Out: 135305.135 $\pm$ 0.051	χ^2 /NDF: 357636841.6/18	- sign 137858.357 $\pm$ 0.037	χ^2 /NDF: 5761525018.0
Left In: 140645.371 $\pm$ 0.053	χ^2 /NDF: 190707831.1/18		

yield_bpm0i02WS_rms vs Slug



Right In: 130.552 $\pm$ 0.038 χ^2 /NDF: 1373104.9/16

Left Out: 194.921 $\pm$ 0.036 χ^2 /NDF: 539727.6/19

Right Out: 125.746 $\pm$ 0.036 χ^2 /NDF: 1440002.5/18

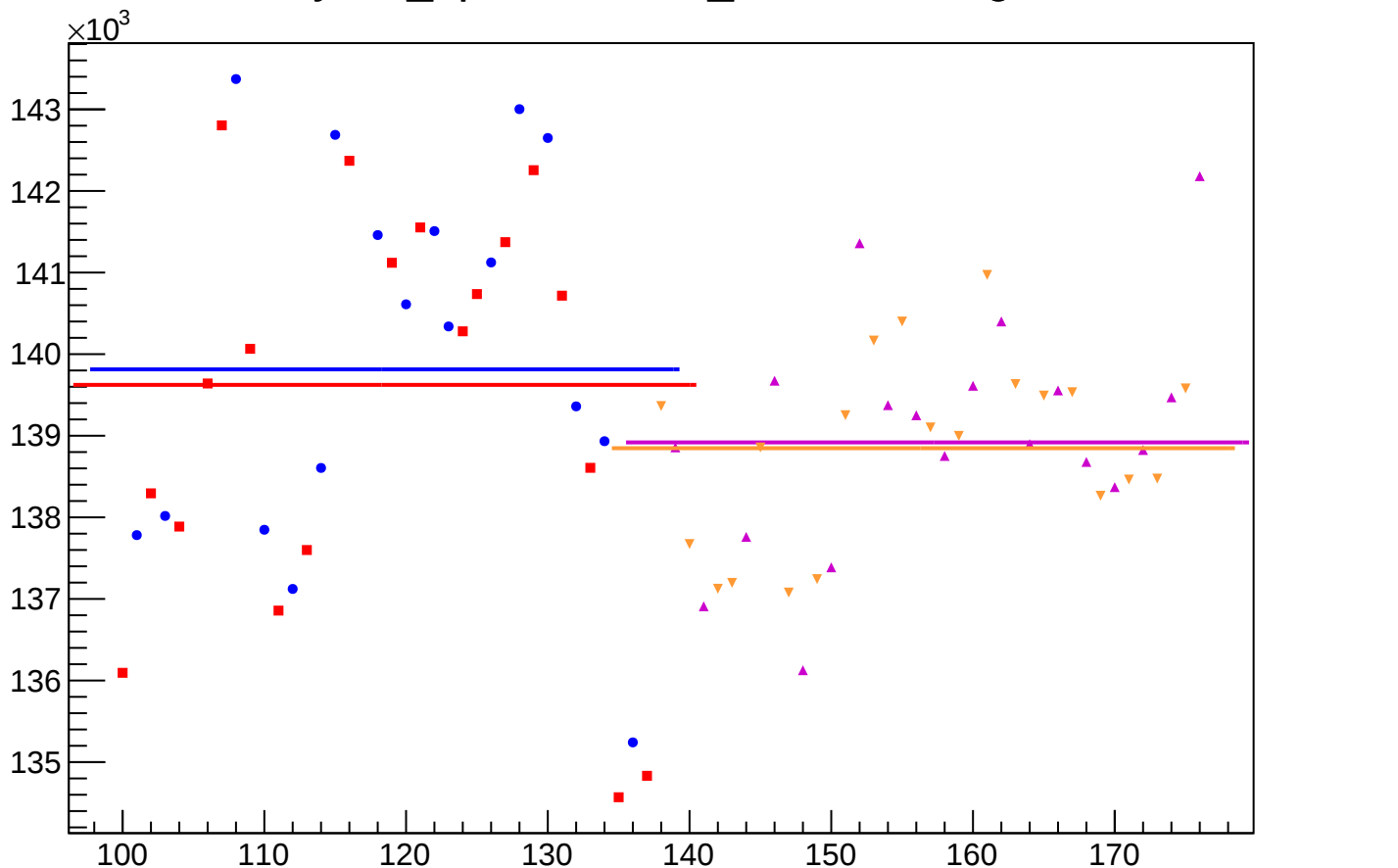
Left In: 200.789 $\pm$ 0.038 χ^2 /NDF: 534771.2/18

+ sign 164.619 $\pm$ 0.026 χ^2 /NDF: 3397244.5/36

All: 163.108 $\pm$ 0.019 χ^2 /NDF: 7437447.4/74

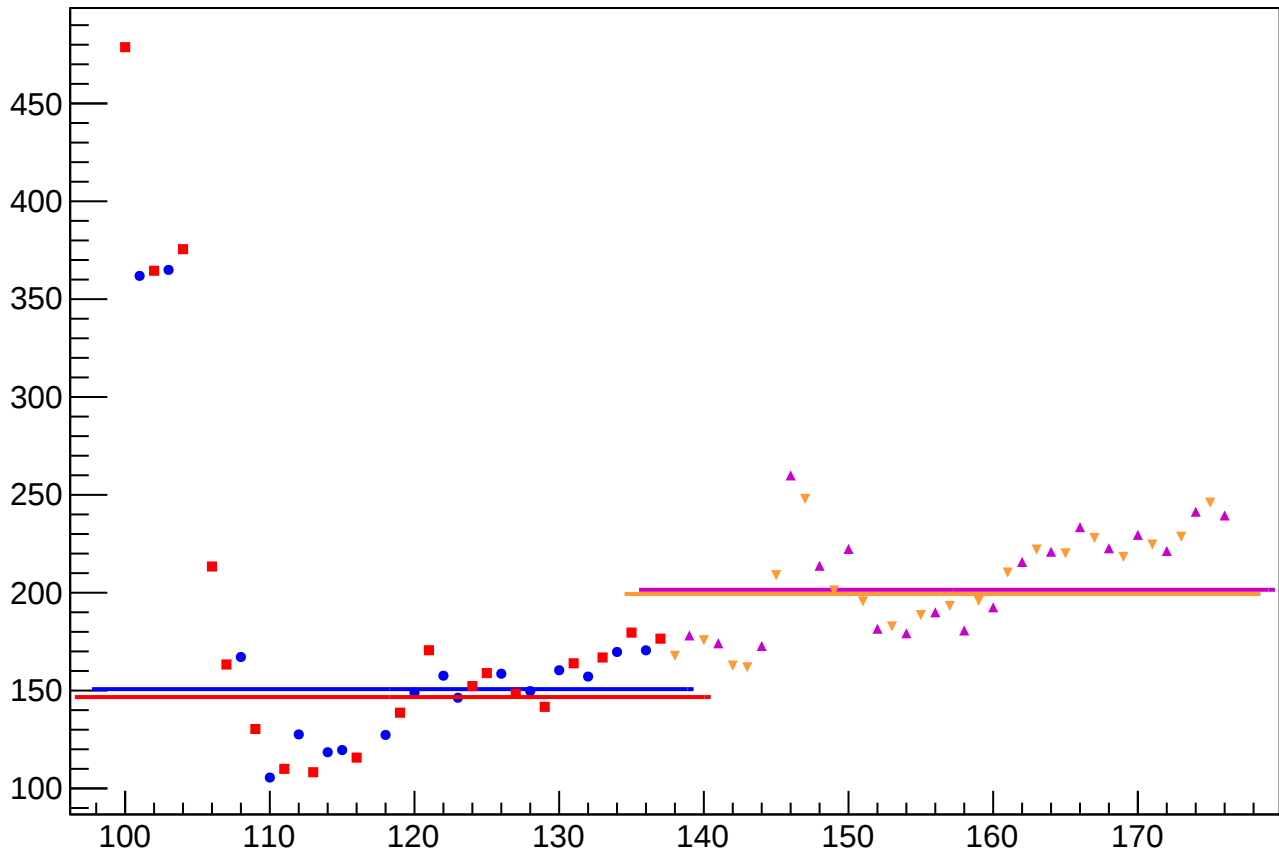
- sign 161.625 $\pm$ 0.026 χ^2 /NDF: 4033696.6/37

yield_bpm0i02aWS_mean vs Slug



Right In: 139813.664 $\pm$ 0.062 χ^2 /NDF: 1689865533.6/16
 Left Out: 138847.172 $\pm$ 0.052 χ^2 /NDF: 458076399.8/19
 Right Out: 139623.387 $\pm$ 0.059 χ^2 /NDF: 1505731109.1/18
 Left In: 138918.206 $\pm$ 0.054 χ^2 /NDF: 673503449.3/18
 All: 139243.794 $\pm$ 0.028 χ^2 /NDF: 454735213
 + sign 139250.841 $\pm$ 0.040 χ^2 /NDF: 2289806770.4
 - sign 139236.869 $\pm$ 0.040 χ^2 /NDF: 2257483893.7

yield_bpm0i02aWS_rms vs Slug



Right In: 150.733 $\pm$ 0.044 χ^2 /NDF: 1050071.6/16

Left Out: 199.331 $\pm$ 0.037 χ^2 /NDF: 441294.9/19

Right Out: 146.686 $\pm$ 0.042 χ^2 /NDF: 1203106.6/18

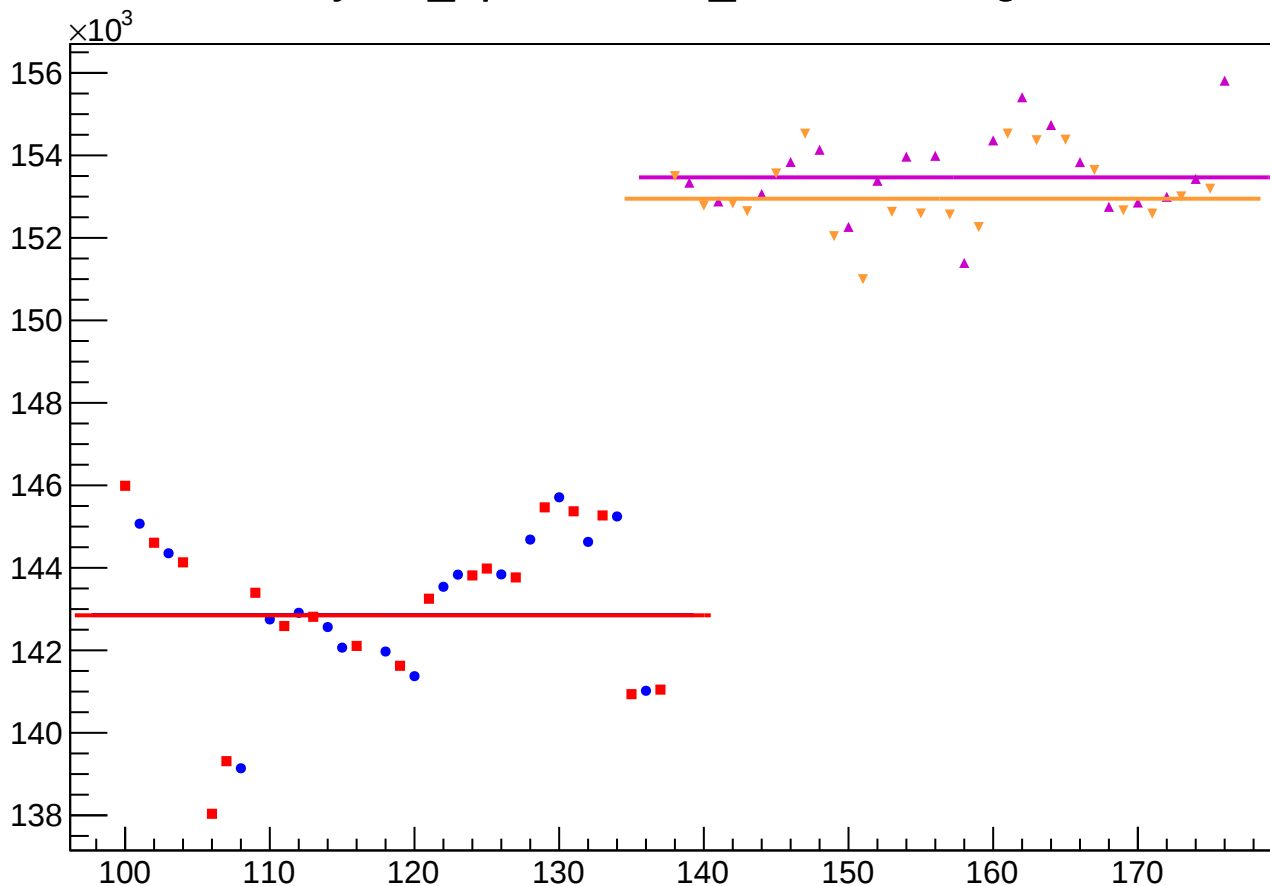
Left In: 201.502 $\pm$ 0.038 χ^2 /NDF: 445395.3/18

+ sign 179.033 $\pm$ 0.028 χ^2 /NDF: 2208741.9/36

All: 177.872 $\pm$ 0.020 χ^2 /NDF: 4806237.0/74

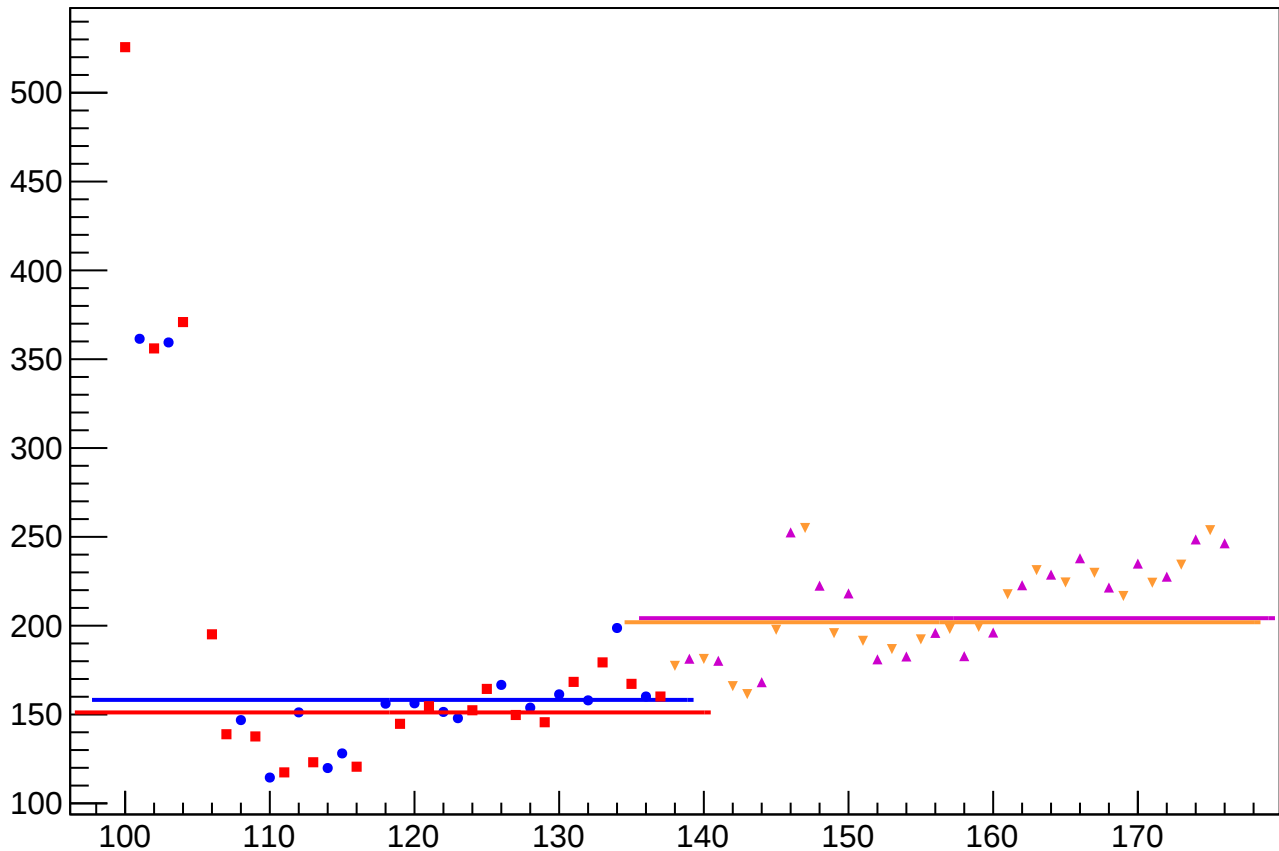
- sign 176.731 $\pm$ 0.028 χ^2 /NDF: 2594157.2/37

yield_bpm0i05WS_mean vs Slug



Right In: 142854.268 $\pm$ 0.065 χ^2 /NDF: 740367386.5/16
 Left Out: 152949.852 $\pm$ 0.053 χ^2 /NDF: 263430997.2/19
 Right Out: 142849.362 $\pm$ 0.060 χ^2 /NDF: 850066807.5/18
 Left In: 153467.120 $\pm$ 0.054 χ^2 /NDF: 341090301.6/18
 All: 148803.736 $\pm$ 0.029 χ^2 /NDF: 338665183.0
 + sign 148886.917 $\pm$ 0.041 χ^2 /NDF: 15569613162.0
 - sign 148723.173 $\pm$ 0.040 χ^2 /NDF: 18288810719.0

yield_bpm0i05WS_rms vs Slug



Right In: 158.233 ± 0.046 χ^2/NDF : 883513.4/16

Left Out: 201.940 ± 0.038 χ^2/NDF : 441112.1/19

Right Out: 151.174 ± 0.043 χ^2/NDF : 1003301.6/18

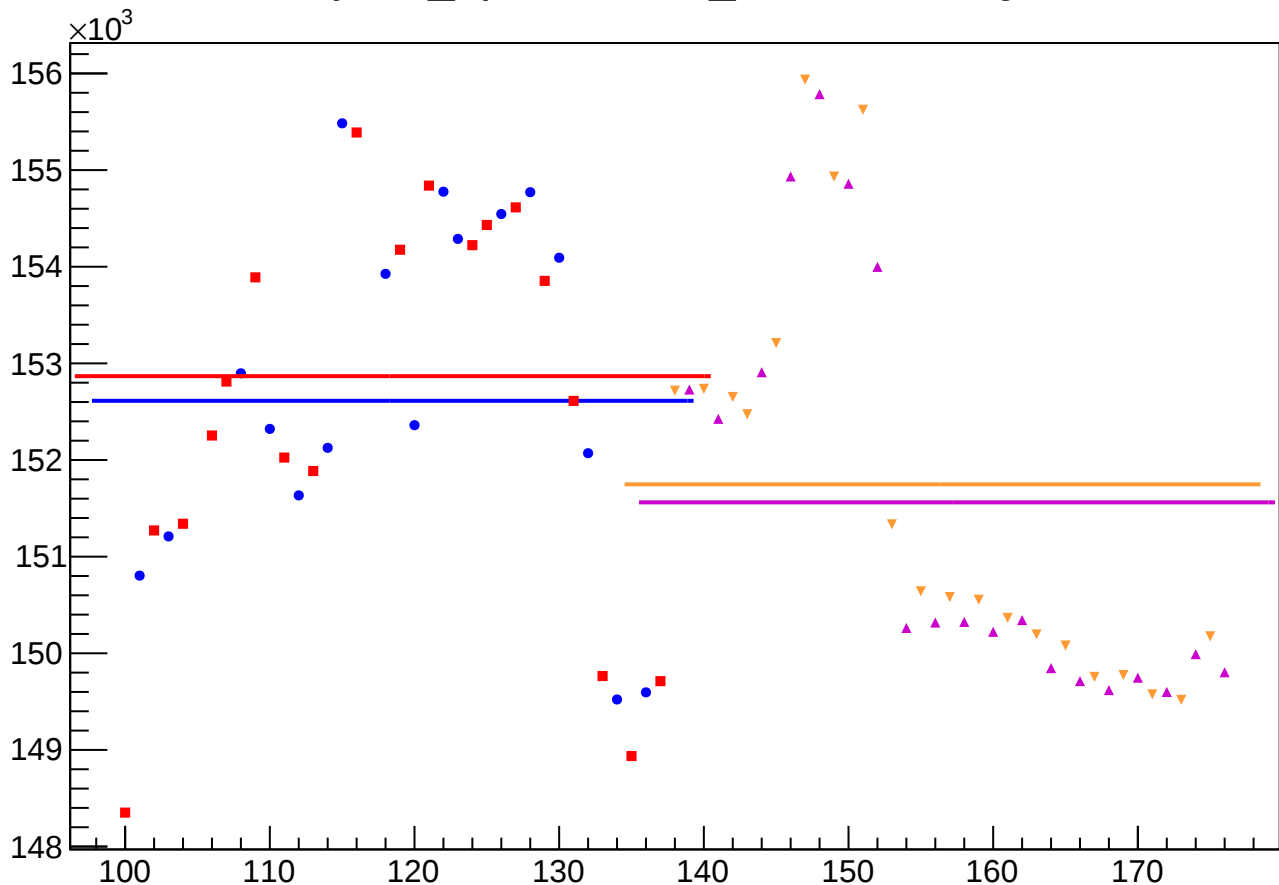
Left In: 204.226 ± 0.038 χ^2/NDF : 466335.4/18

+ sign 184.350 ± 0.029 χ^2/NDF : 1870644.2/36

All: 182.406 ± 0.020 χ^2/NDF : 4202812.5/74

- sign 180.523 ± 0.029 χ^2/NDF : 2323323.5/37

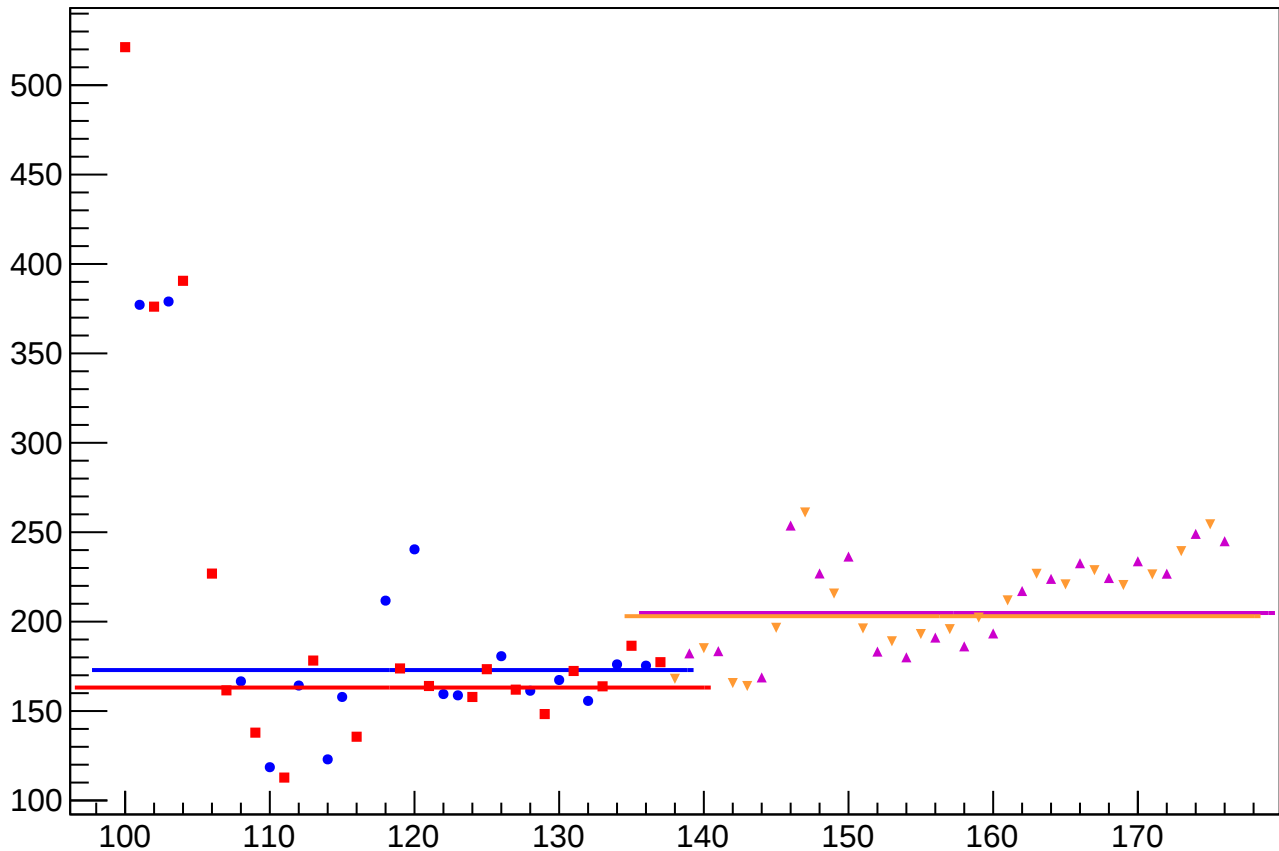
yield_bpm0i07WS_mean vs Slug



Right In: 152612.586 $\pm$ 0.072 χ^2 /NDF: 621416187.4/16
 Left Out: 151748.276 $\pm$ 0.053 χ^2 /NDF: 1271539284.2/19
 Right Out: 152867.453 $\pm$ 0.066 χ^2 /NDF: 719075986.4/18
 Left In: 151561.646 $\pm$ 0.054 χ^2 /NDF: 1289663725.7/18

+ sign 152052.567 $\pm$ 0.043 χ^2 /NDF: 1985897259.5
 All: 152070.111 $\pm$ 0.030 χ^2 /NDF: 422740123
 - sign 152086.989 $\pm$ 0.042 χ^2 /NDF: 2241174594.2/18

yield_bpm0i07WS_rms vs Slug



Right In: 172.921 $\pm$ 0.051 χ^2 /NDF: 941954.0/16

Left Out: 203.046 $\pm$ 0.038 χ^2 /NDF: 466793.5/19

Right Out: 163.138 $\pm$ 0.047 χ^2 /NDF: 1033751.2/18

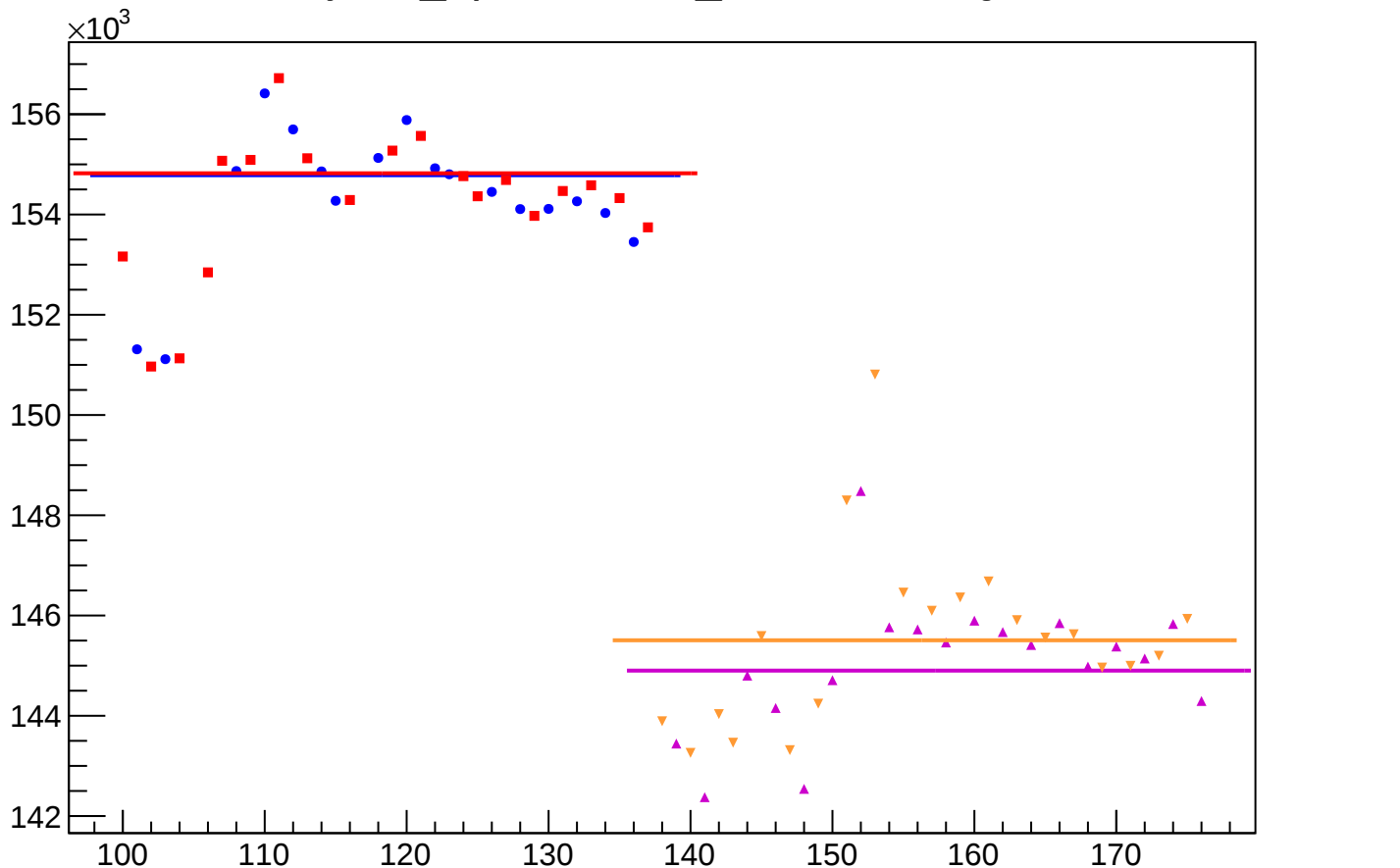
Left In: 204.824 $\pm$ 0.038 χ^2 /NDF: 471861.8/18

+ sign 192.440 $\pm$ 0.030 χ^2 /NDF: 1634571.4/36

All: 190.204 $\pm$ 0.021 χ^2 /NDF: 3624634.5/74

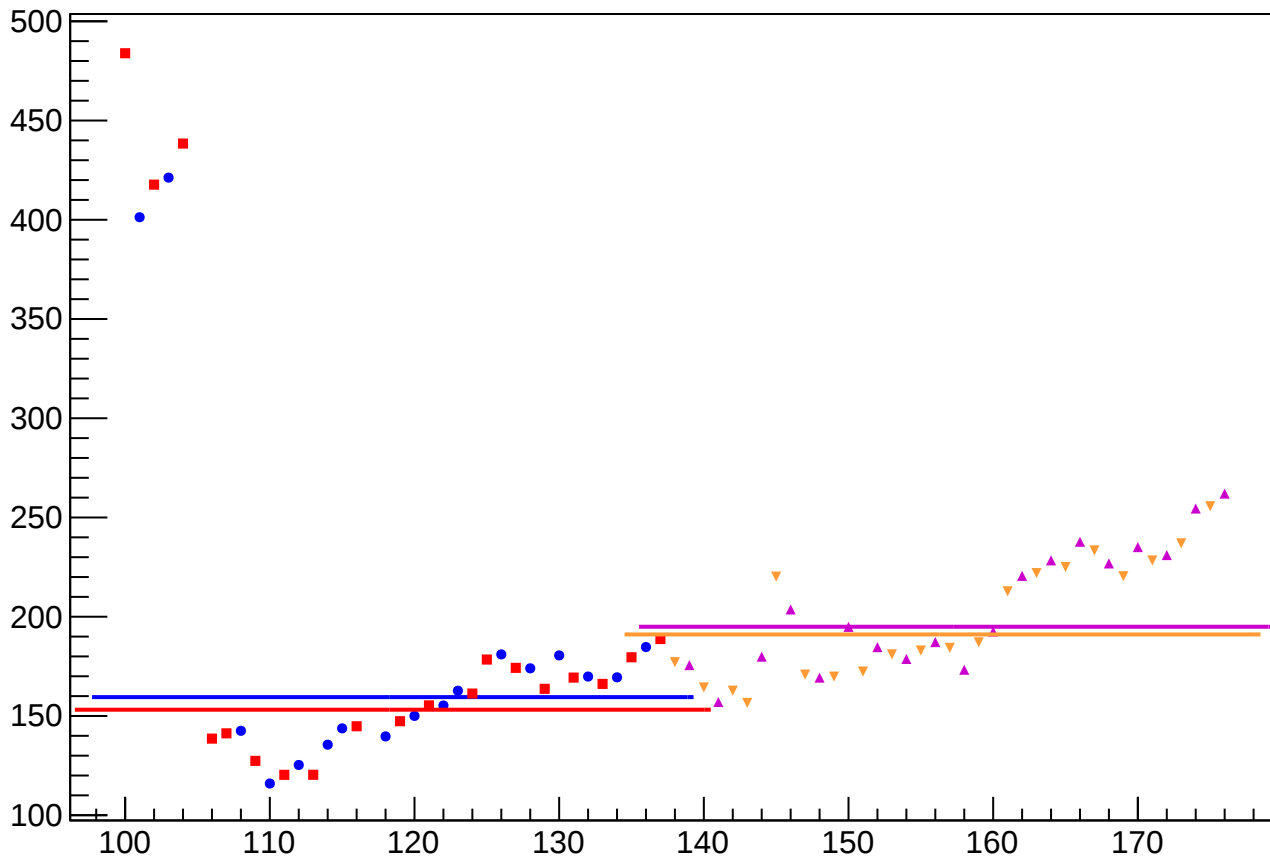
- sign 188.053 $\pm$ 0.030 χ^2 /NDF: 1979363.3/37

yield_bpm1i02WS_mean vs Slug



Right In: 154783.944 ± 0.065 χ^2/NDF : 265581398.0/16
 Left Out: 145506.176 ± 0.050 χ^2/NDF : 1494728979.5/19
 Right Out: 154822.113 ± 0.061 χ^2/NDF : 293850525.9/18
 Left In: 144901.088 ± 0.052 χ^2/NDF : 840845896.6/18

yield_bpm1i02WS_rms vs Slug



Right In: 159.504 $\pm$ 0.046 χ^2 /NDF: 1131844.5/16

Left Out: 191.077 $\pm$ 0.035 χ^2 /NDF:594945.1/19

Right Out: 153.153 $\pm$ 0.043 χ^2 /NDF: 1173739.7/18

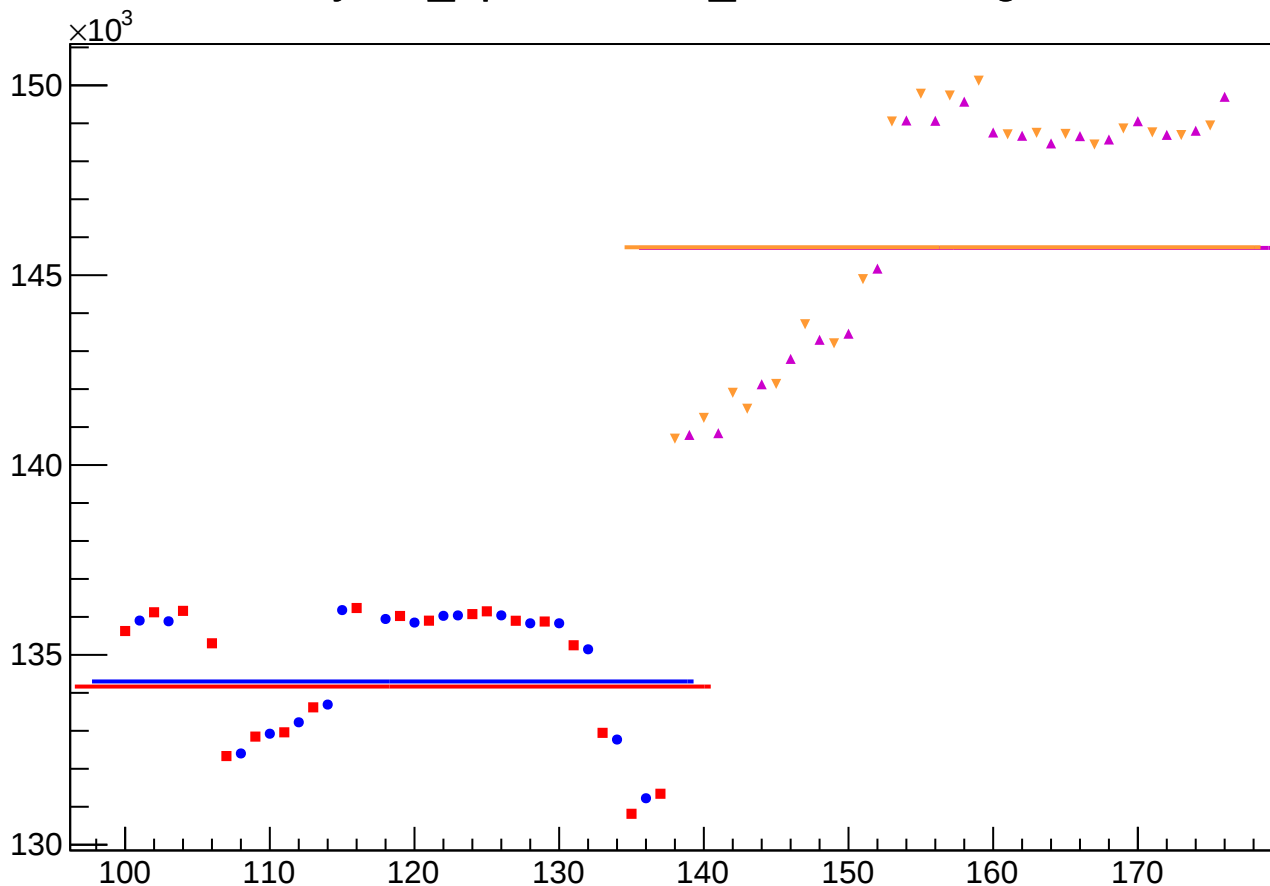
Left In: 194.958 $\pm$ 0.037 χ^2 /NDF:583627.1/18

+ sign 179.399 $\pm$ 0.028 χ^2 /NDF: 2020800.3/36

All: 178.413 $\pm$ 0.020 χ^2 /NDF: 4328416.1/74

- sign 177.444 $\pm$ 0.028 χ^2 /NDF: 2305178.2/37

yield_bpm1i04WS_mean vs Slug



Right In: 134300.025 ± 0.050 $\chi^2/\text{NDF}: 1149581803.2/16$

Left Out: 145735.327 ± 0.051 $\chi^2/\text{NDF}: 4780918464.9/19$

Right Out: 134165.615 ± 0.047 $\chi^2/\text{NDF}: 1211471052.4/18$

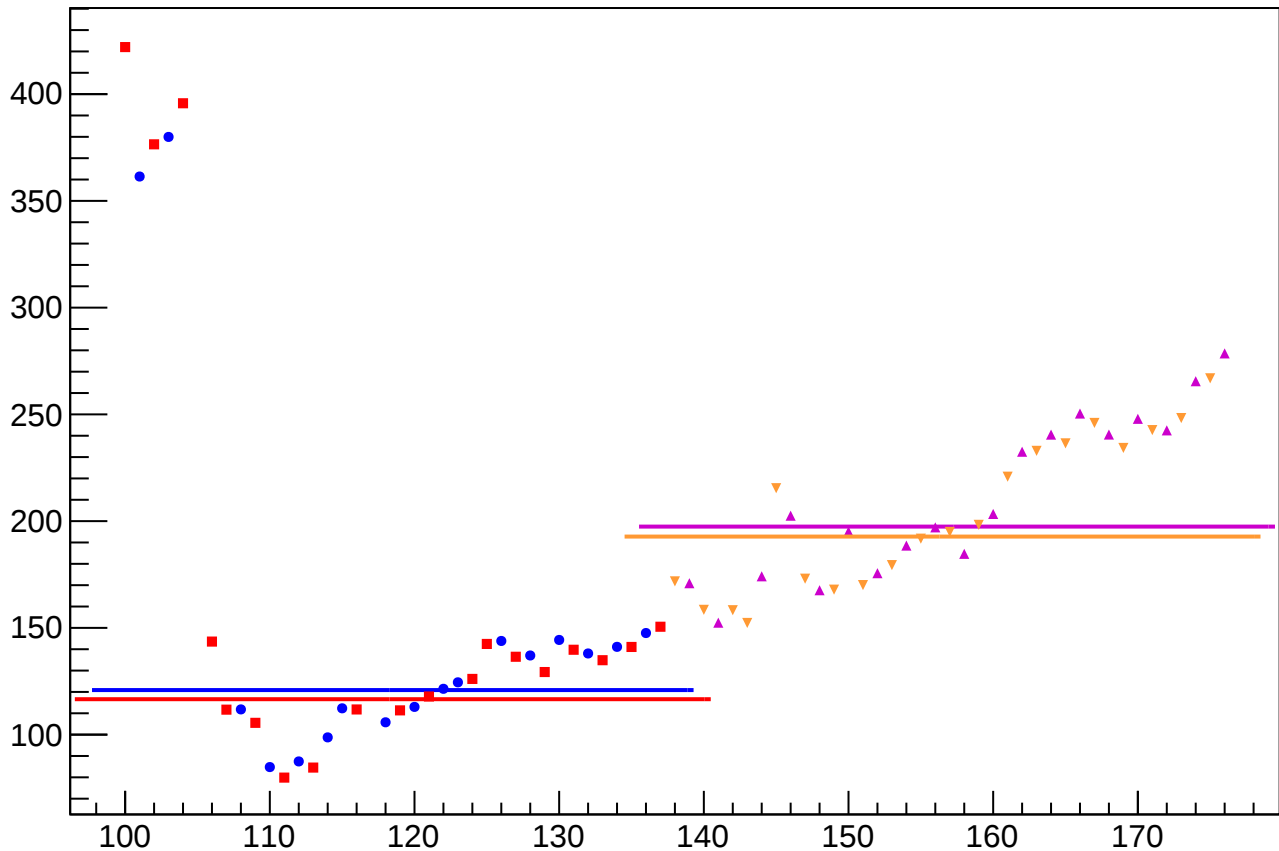
Left In: 145718.417 ± 0.053 $\chi^2/\text{NDF}: 4135665893.3/18$

+ sign 139971.389 ± 0.036 $\chi^2/\text{NDF}: 31520531658.$

All: 139651.928 ± 0.025 $\chi^2/\text{NDF}: 636489657.$

- sign 139341.892 ± 0.035 $\chi^2/\text{NDF}: 31971008903.4$

yield_bpm1i04WS_rms vs Slug



Right In: 120.872 $\pm$ 0.036 χ^2 /NDF: 1463728.4/16

Left Out: 192.768 $\pm$ 0.036 χ^2 /NDF:835136.1/19

Right Out: 116.595 $\pm$ 0.034 χ^2 /NDF: 1541338.5/18

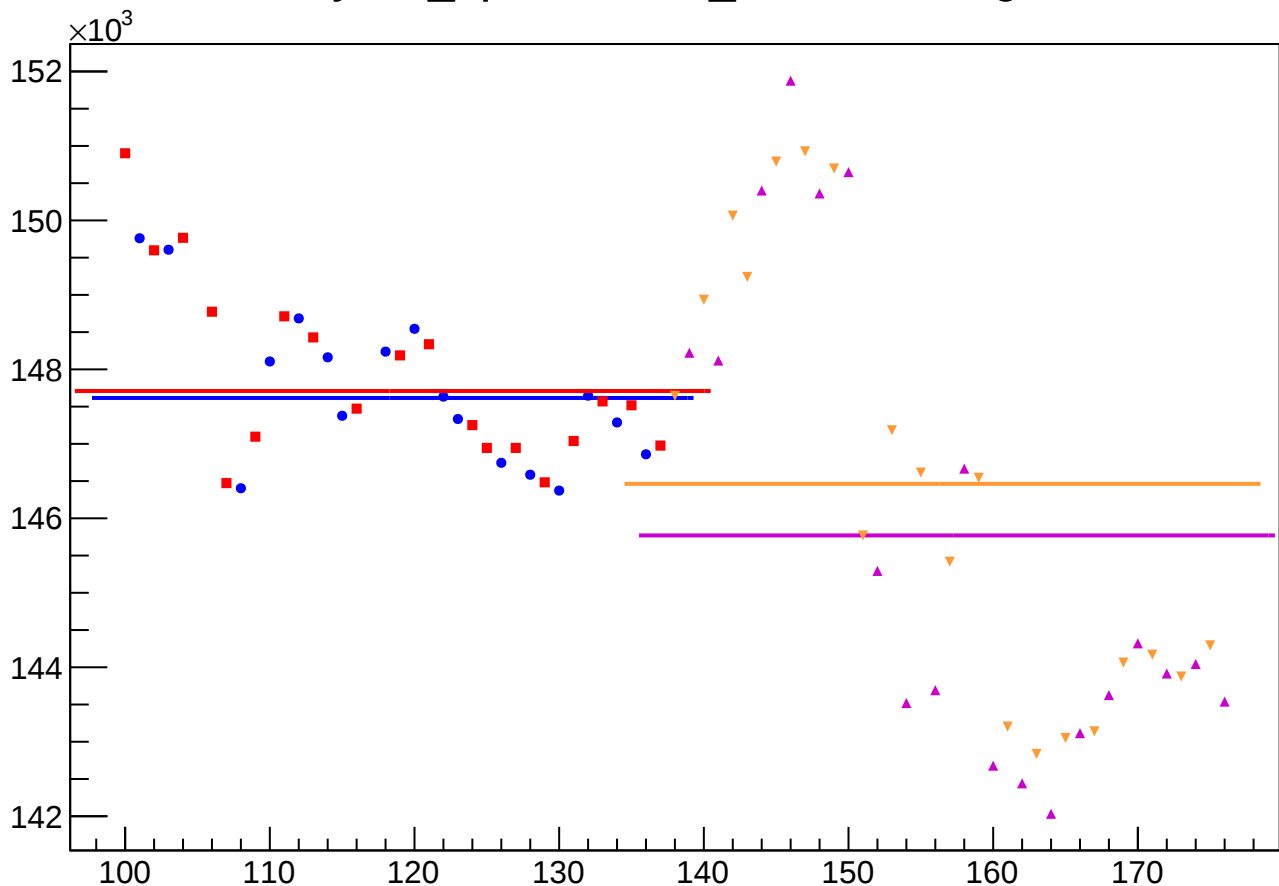
Left In: 197.441 $\pm$ 0.037 χ^2 /NDF:807753.0/18

+ sign 156.529 $\pm$ 0.025 χ^2 /NDF: 4321912.2/36

All: 154.646 $\pm$ 0.018 χ^2 /NDF: 9289614.2/74

- sign 152.818 $\pm$ 0.025 χ^2 /NDF: 4956761.7/37

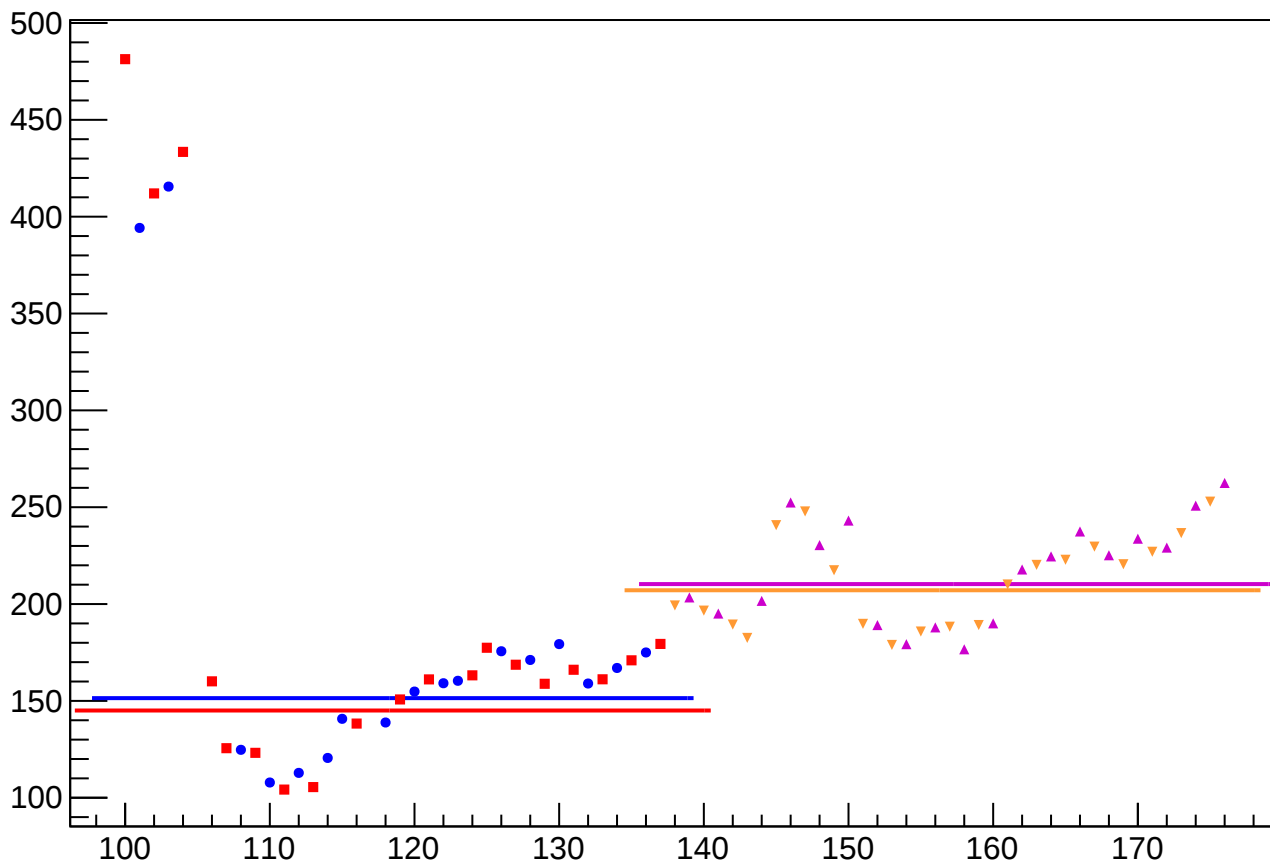
yield_bpm1i06WS_mean vs Slug



Right In: 147616.150 ± 0.062 $\chi^2/\text{NDF}: 199263428.7/16$
 Left Out: 146463.033 ± 0.054 $\chi^2/\text{NDF}: 2309277446.9/19$
 Right Out: 147709.723 ± 0.058 $\chi^2/\text{NDF}: 203906685.9/18$
 Left In: 145770.484 ± 0.056 $\chi^2/\text{NDF}: 2897368924.4/18$

+ sign 146957.199 ± 0.041 $\chi^2/\text{NDF}: 2703164776.7/16$
 All: 146823.822 ± 0.029 $\chi^2/\text{NDF}: 640404238.7/16$
 - sign 146694.591 ± 0.040 $\chi^2/\text{NDF}: 3679943271.6/16$

yield_bpm1i06WS_rms vs Slug



Right In: 151.424+/-0.044 χ^2/NDF : 1257843.0/16

Left Out: 207.119+/-0.038 χ^2/NDF : 336539.9/19

Right Out: 145.039+/-0.041 χ^2/NDF : 1375972.0/18

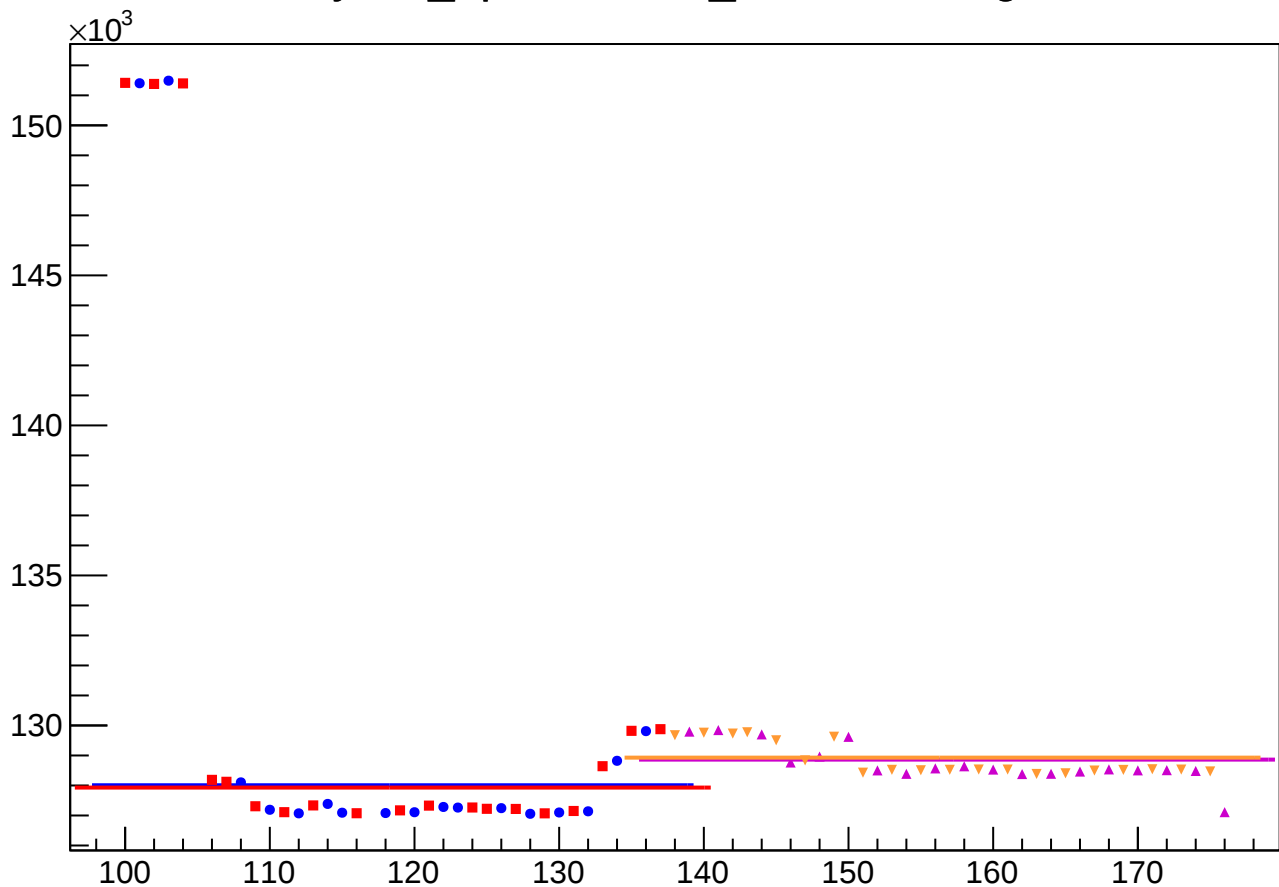
Left In: 210.311+/-0.039 χ^2/NDF : 420647.8/18

+ sign 183.251+/-0.029 χ^2/NDF : 2502441.8/36

All: 181.197+/-0.020 χ^2/NDF : 5620133.0/74

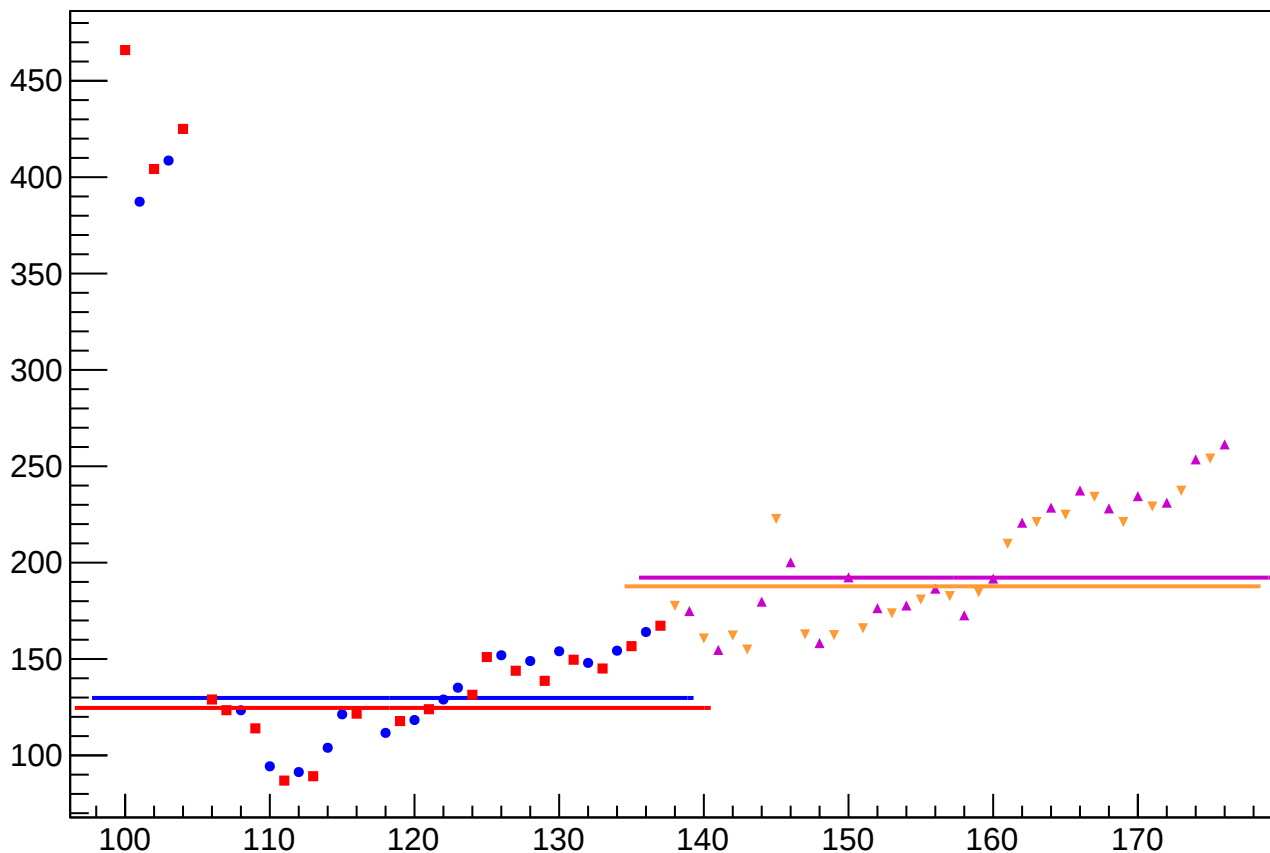
- sign 179.207+/-0.028 χ^2/NDF : 3107763.2/37

yield_bpm2i01WS_mean vs Slug



Right In: 128007.364 $\pm$ 0.054 χ^2 /NDF: 4319785674.5/16
 Left Out: 128928.130 $\pm$ 0.049 χ^2 /NDF: 129256359.0/19
 Right Out: 127930.136 $\pm$ 0.050 χ^2 /NDF: 3768176193.0/18
 Left In: 128862.027 $\pm$ 0.051 χ^2 /NDF: 147761525.7/18
 + sign 128511.165 $\pm$ 0.036 χ^2 /NDF: 4607397813.4
 All: 128449.592 $\pm$ 0.026 χ^2 /NDF: 869776143
 - sign 128389.904 $\pm$ 0.036 χ^2 /NDF: 4084735183.6

yield_bpm2i01WS_rms vs Slug



Right In: 129.796 ± 0.038 χ^2/NDF : 1485294.2/16

Left Out: 187.701 ± 0.035 χ^2/NDF : 691078.3/19

Right Out: 124.625 ± 0.036 χ^2/NDF : 1531827.4/18

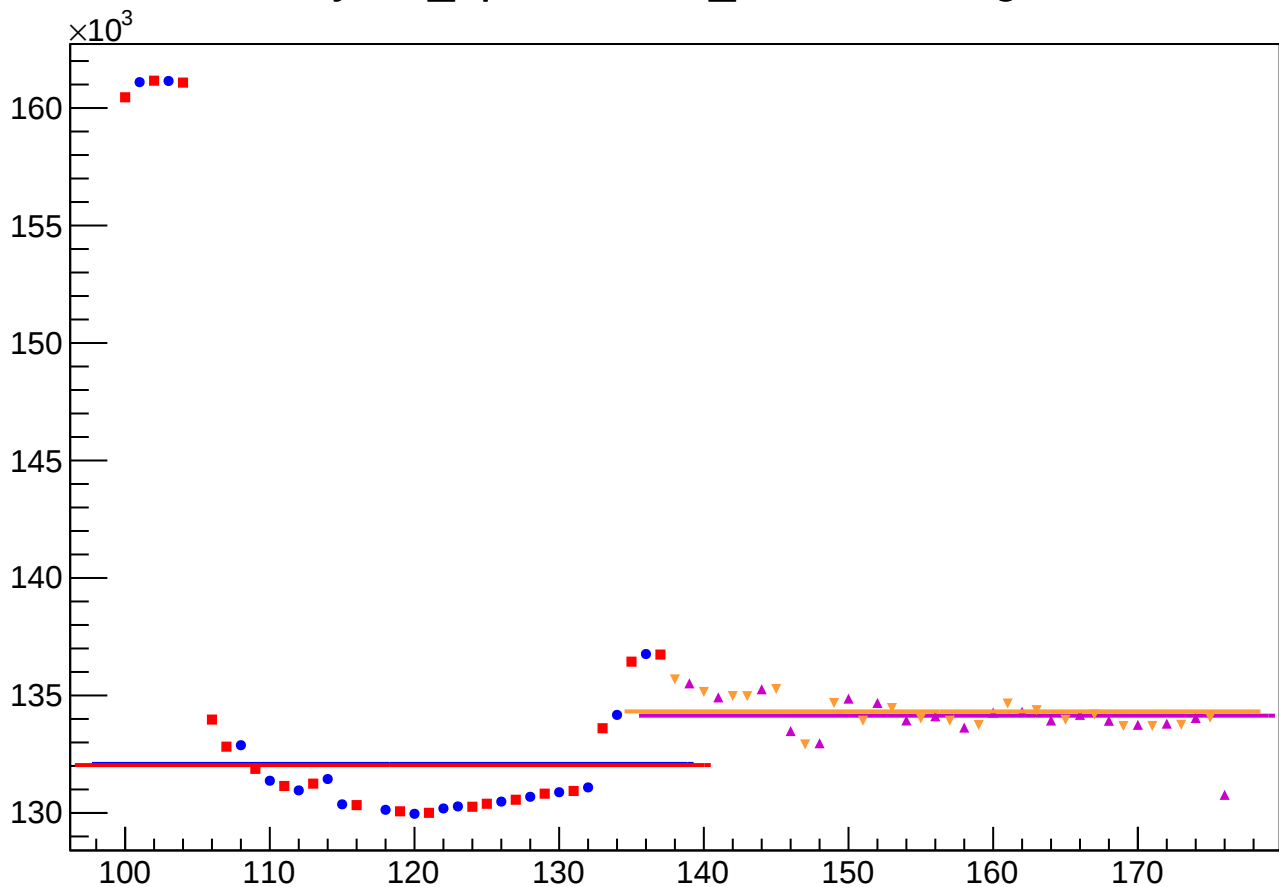
Left In: 192.223 ± 0.036 χ^2/NDF : 658393.3/18

+ sign 161.479 ± 0.026 χ^2/NDF : 3428924.3/36

All: 159.700 ± 0.018 χ^2/NDF : 7404914.7/74

- sign 157.975 ± 0.025 χ^2/NDF : 3966593.8/37

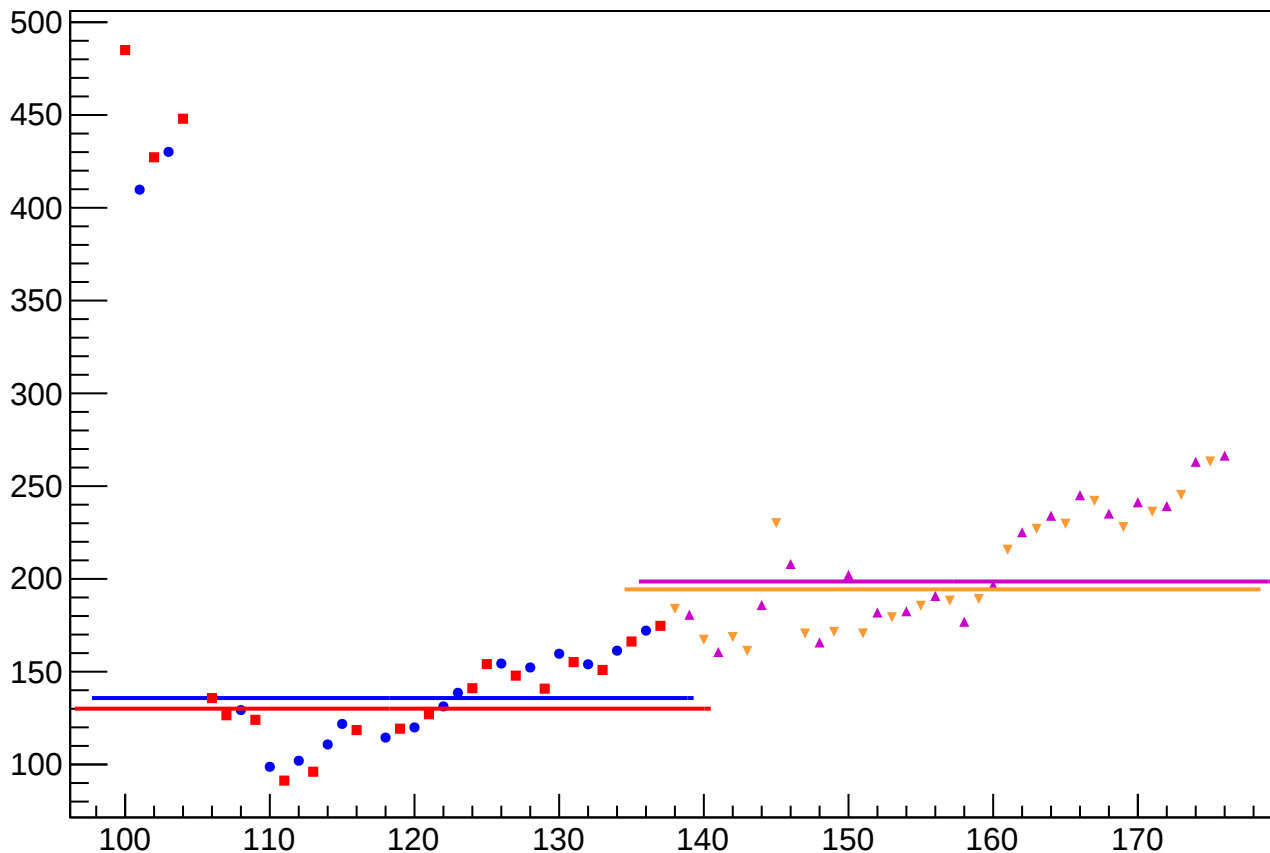
yield_bpm2i02WS_mean vs Slug



Right In: 132086.794 $\pm$ 0.057 χ^2 /NDF: 6733230928.7/16
 Left Out: 134321.854 $\pm$ 0.051 χ^2 /NDF: 182152135.3/19
 Right Out: 132037.539 $\pm$ 0.053 χ^2 /NDF: 5882115872.9/18
 Left In: 134140.197 $\pm$ 0.053 χ^2 /NDF: 286530429.7/18

+ sign 133319.572 $\pm$ 0.038 χ^2 /NDF: 7777745470.4
 All: 133200.200 $\pm$ 0.027 χ^2 /NDF: 147639809
 - sign 133084.809 $\pm$ 0.037 χ^2 /NDF: 6966676290.8

yield_bpm2i02WS_rms vs Slug



Right In: 135.796 $\pm$ 0.040 χ^2 /NDF: 1441904.9/16

Left Out: 194.364 $\pm$ 0.036 χ^2 /NDF: 658494.8/19

Right Out: 130.070 $\pm$ 0.037 χ^2 /NDF: 1503997.6/18

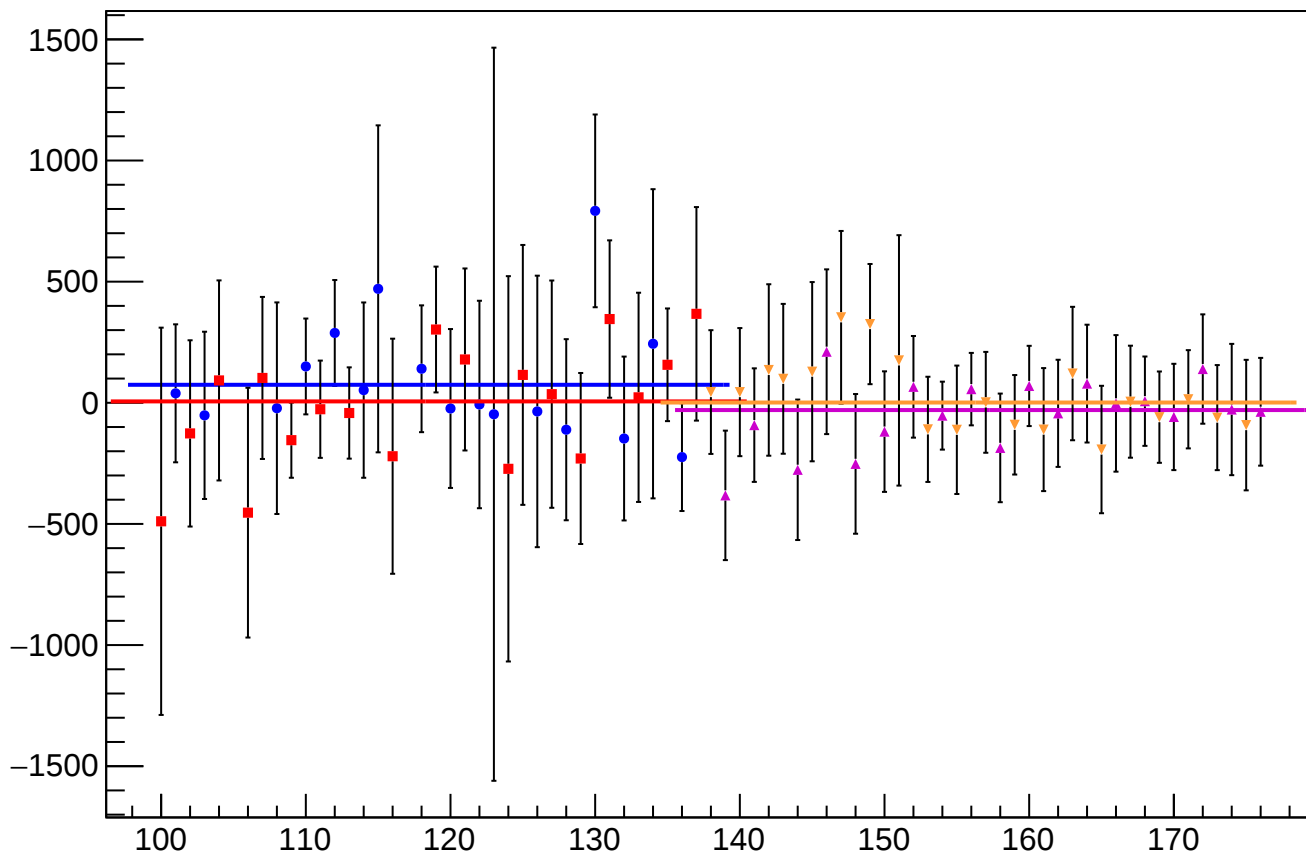
Left In: 198.603 $\pm$ 0.037 χ^2 /NDF: 636112.9/18

+ sign 168.100 $\pm$ 0.027 χ^2 /NDF: 3284673.8/36

All: 166.119 $\pm$ 0.019 χ^2 /NDF: 7131116.7/74

- sign 164.204 $\pm$ 0.026 χ^2 /NDF: 3835668.9/37

asym_bcm_an_ds_mean vs Slug



Right In: 74.294 $\pm$ 79.018 χ^2 /NDF: 7.7/16

Left Out: 1.098 $\pm$ 56.353 χ^2 /NDF: 5.1/19

Right Out: 5.739 $\pm$ 70.069 χ^2 /NDF: 7.1/18

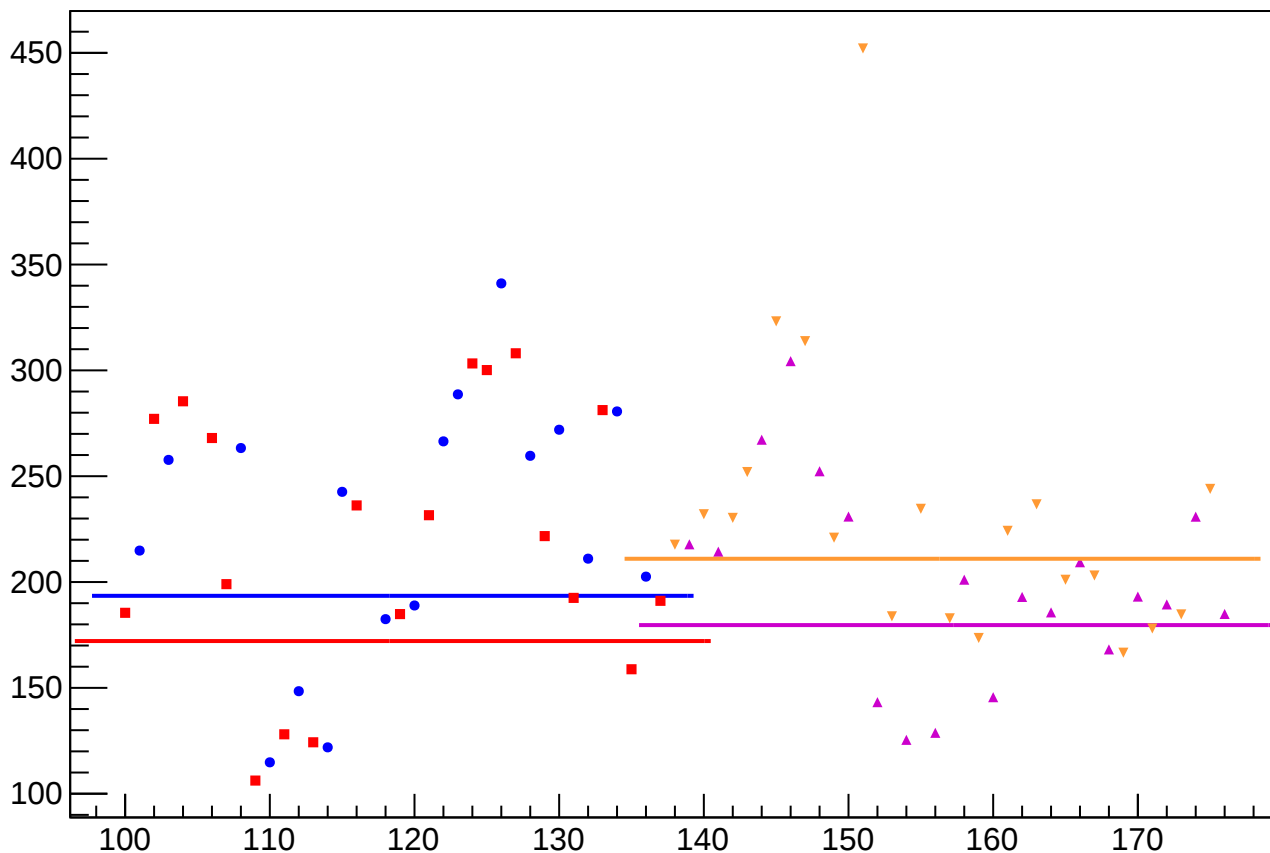
Left In: -30.020 $\pm$ 49.434 χ^2 /NDF: 6.0/18

+ sign 25.775 $\pm$ 45.881 χ^2 /NDF: 13.3/36

All: 1.037 $\pm$ 30.318 χ^2 /NDF: 27.2/74

- sign -18.136 $\pm$ 40.393 χ^2 /NDF: 13.3/37

asym_bcm_an_ds_rms vs Slug



Right In: 193.488 $\pm$ 0.056 χ^2 /NDF: 1017195.7/16

Left Out: 210.997 $\pm$ 0.040 χ^2 /NDF:1245063.3/19

Right Out: 172.122 $\pm$ 0.050 χ^2 /NDF: 1579840.2/18

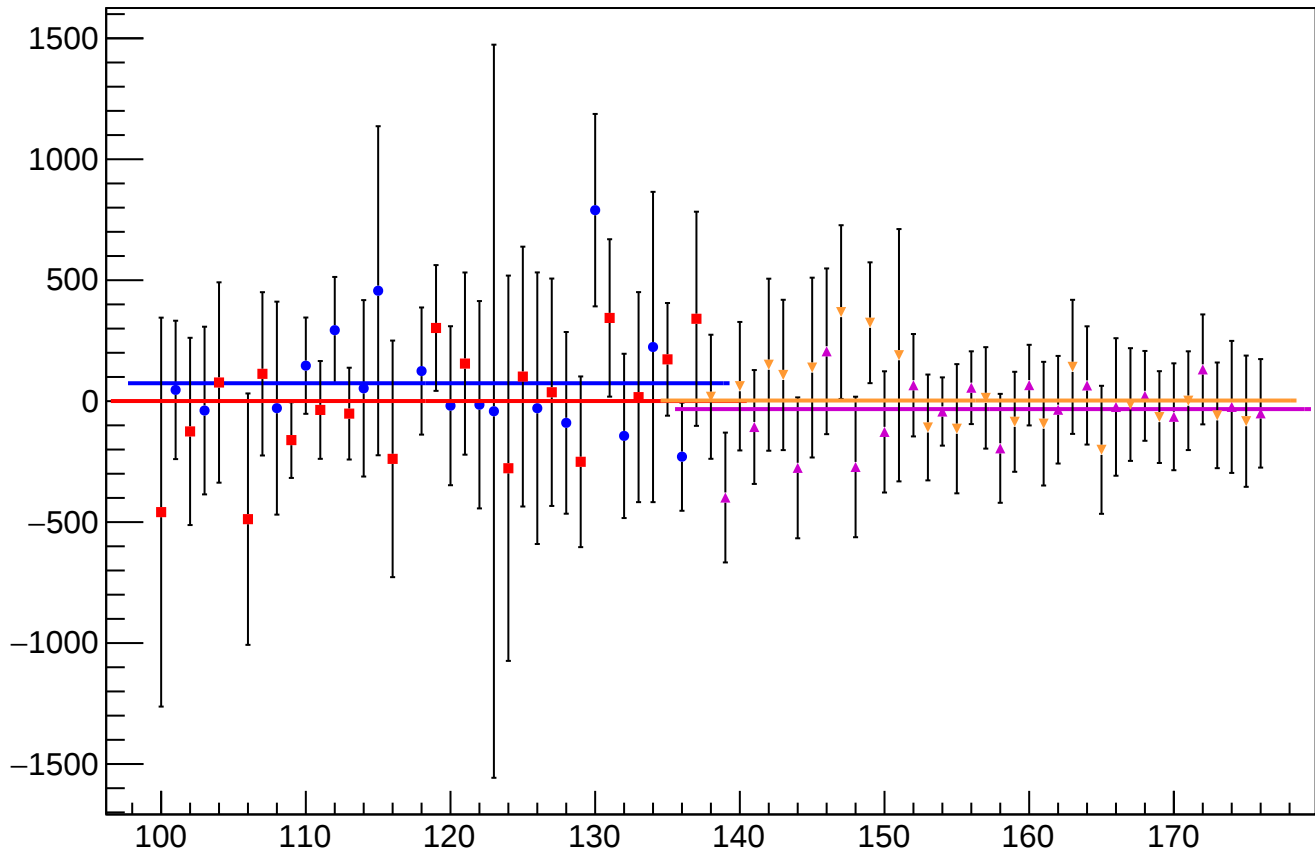
Left In: 179.660 $\pm$ 0.035 χ^2 /NDF:1564206.6/18

+ sign 205.094 $\pm$ 0.032 χ^2 /NDF: 2327350.9/36

All: 189.355 $\pm$ 0.021 χ^2 /NDF: 5904642.9/74

- sign 177.155 $\pm$ 0.029 χ^2 /NDF: 3159501.8/37

asym_bcm_an_ds3_mean vs Slug



Right In: 74.098 $\pm$ 79.404 χ^2 /NDF: 7.6/16

Left Out: 2.645 $\pm$ 56.726 χ^2 /NDF: 5.2/19

Right Out: 0.503 $\pm$ 70.437 χ^2 /NDF: 7.3/18

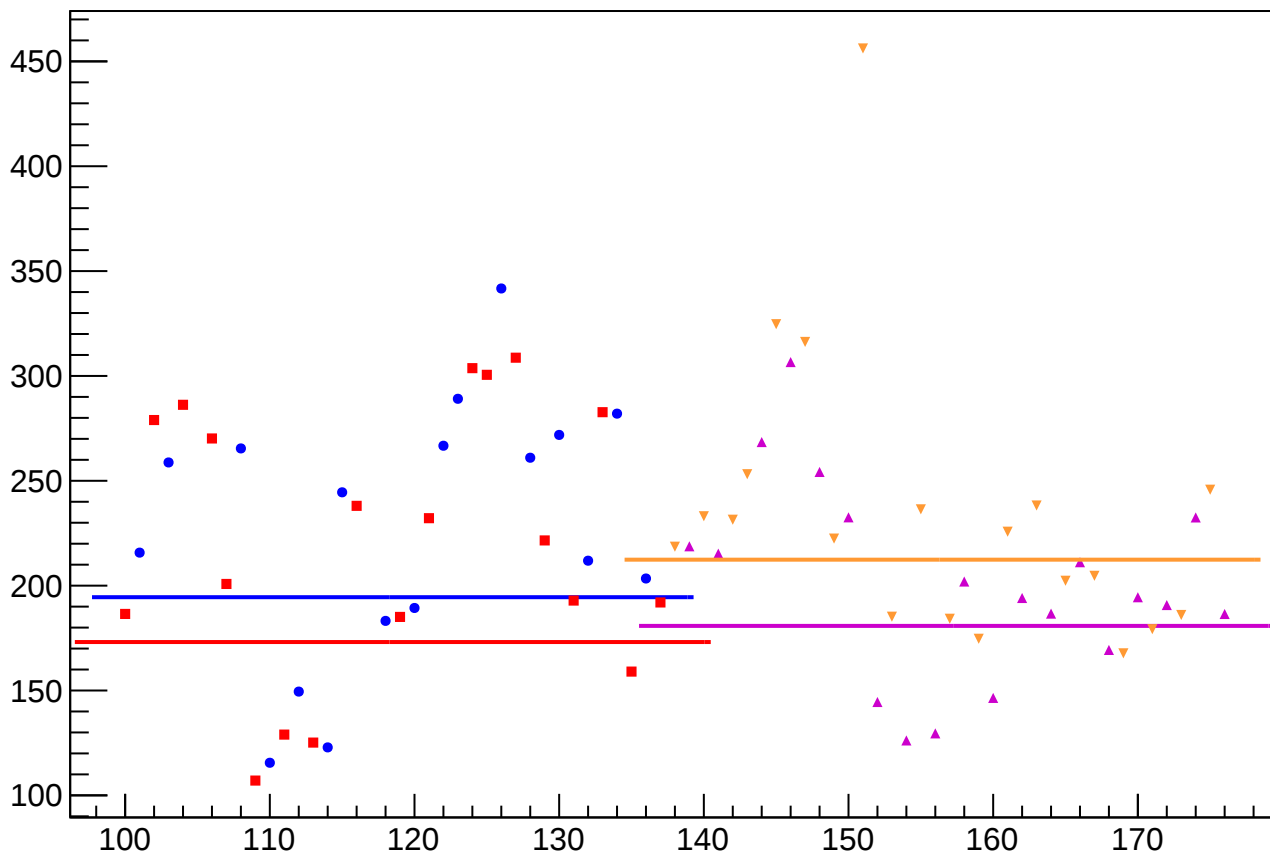
Left In: -32.834 $\pm$ 49.752 χ^2 /NDF: 6.2/18

+ sign 26.790 $\pm$ 46.157 χ^2 /NDF: 13.3/36

All: -0.548 $\pm$ 30.501 χ^2 /NDF: 27.6/74

- sign -21.738 $\pm$ 40.637 χ^2 /NDF: 13.7/37

asym_bcm_an_ds3_rms vs Slug



Right In: 194.496 $\pm$ 0.056 χ^2 /NDF: 1008514.7/16

Left Out: 212.390 $\pm$ 0.040 χ^2 /NDF:1243948.2/19

Right Out: 173.111 $\pm$ 0.050 χ^2 /NDF: 1567374.3/18

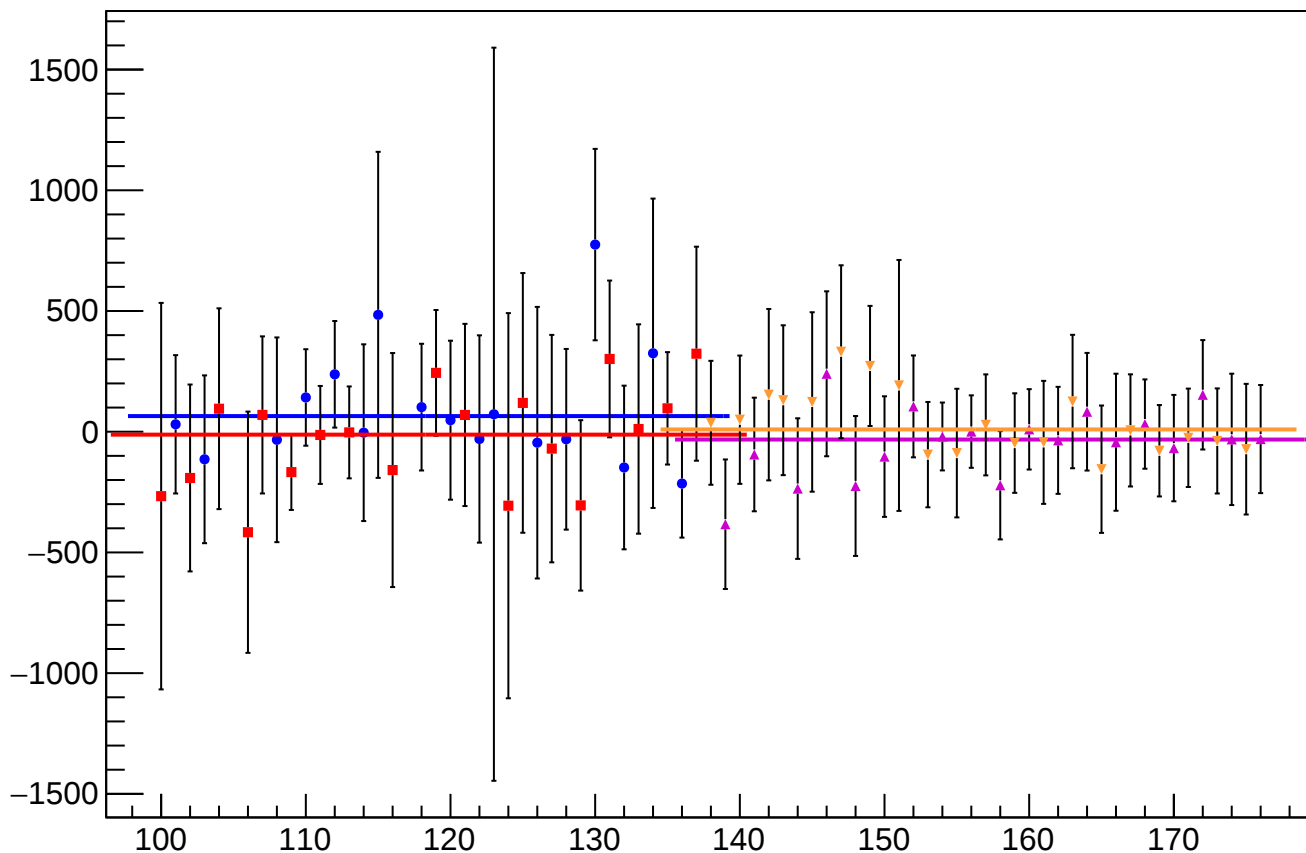
Left In: 180.812 $\pm$ 0.035 χ^2 /NDF:1563663.0/18

+ sign 206.343 $\pm$ 0.033 χ^2 /NDF: 2319706.0/36

All: 190.516 $\pm$ 0.022 χ^2 /NDF: 5884103.9/74

- sign 178.249 $\pm$ 0.029 χ^2 /NDF: 3146985.6/37

asym_bcm_an_us_mean vs Slug



Right In: 64.733 ± 79.399 χ^2/NDF : 7.0/16

Left Out: 9.441 ± 56.592 χ^2/NDF : 3.9/19

Right Out: -12.094 ± 70.361 χ^2/NDF : 5.8/18

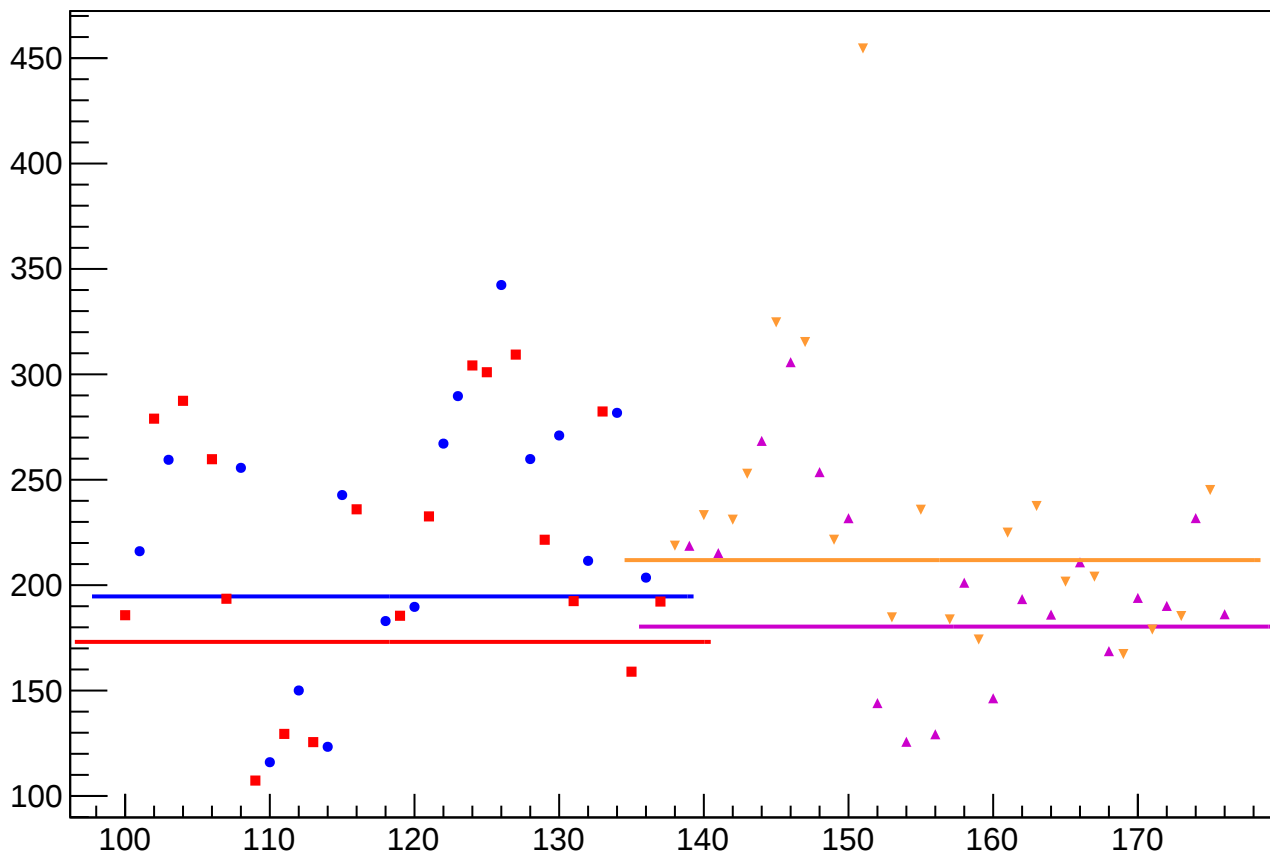
Left In: -32.391 ± 49.624 χ^2/NDF : 5.7/18

+ sign 28.068 ± 46.084 χ^2/NDF : 11.3/36

All: -2.206 ± 30.444 χ^2/NDF : 23.6/74

- sign -25.649 ± 40.553 χ^2/NDF : 11.6/37

asym_bcm_an_us_rms vs Slug



Right In: 194.652+/-0.056 χ^2/NDF : 986798.9/16

Left Out: 211.881+/-0.040 χ^2/NDF :1246109.6/19

Right Out: 173.089+/-0.050 χ^2/NDF : 1544540.9/18

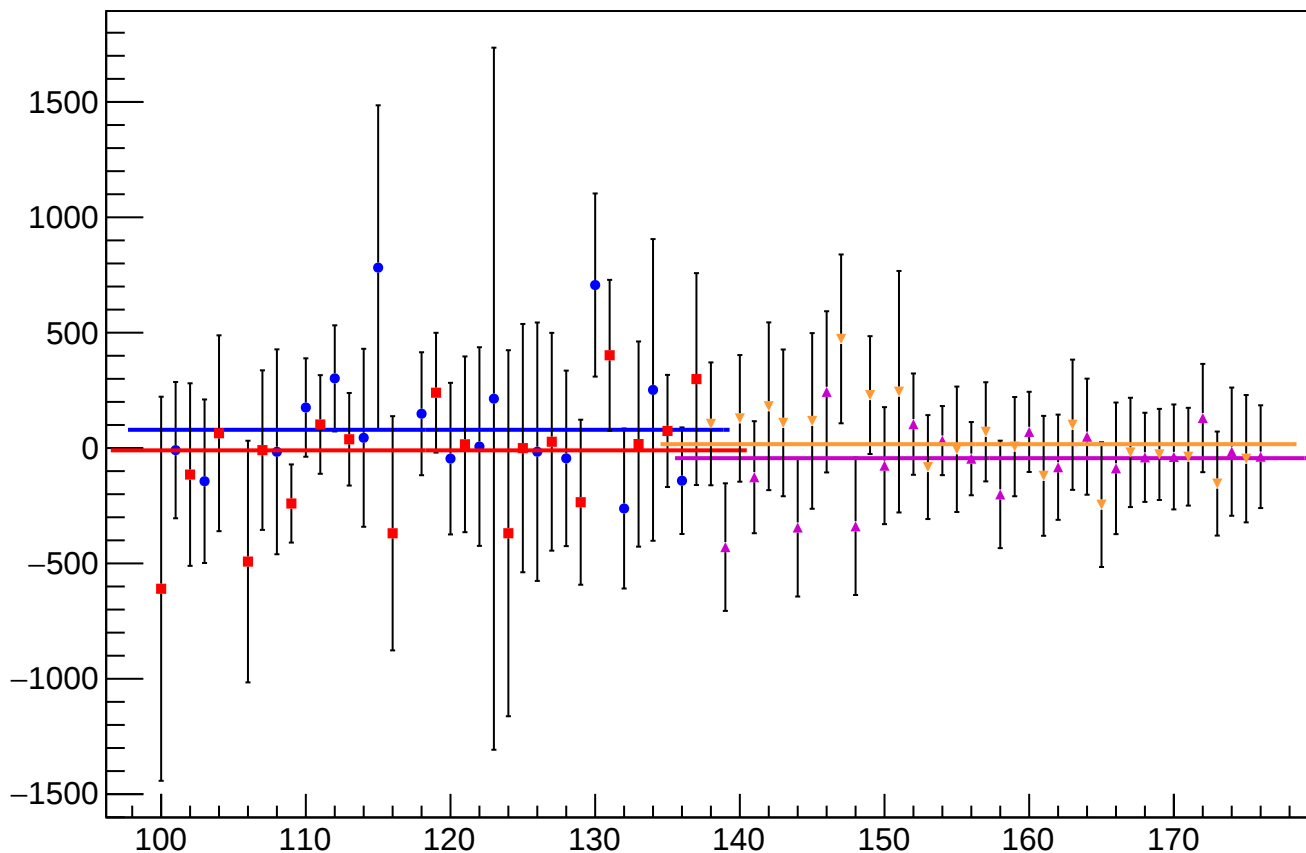
Left In: 180.338+/-0.035 χ^2/NDF :1567165.0/18

+ sign 206.077+/-0.033 χ^2/NDF : 2295354.4/36

All: 190.213+/-0.022 χ^2/NDF : 5841711.9/74

- sign 177.930+/-0.029 χ^2/NDF : 3125883.5/37

asym_bcm_dg_us_mean vs Slug



Right In: 79.128 $\pm$ 81.874 χ^2 /NDF: 7.5/16

Left Out: 16.866 $\pm$ 58.287 χ^2 /NDF: 5.4/19

Right Out: -9.982 $\pm$ 73.310 χ^2 /NDF: 7.9/18

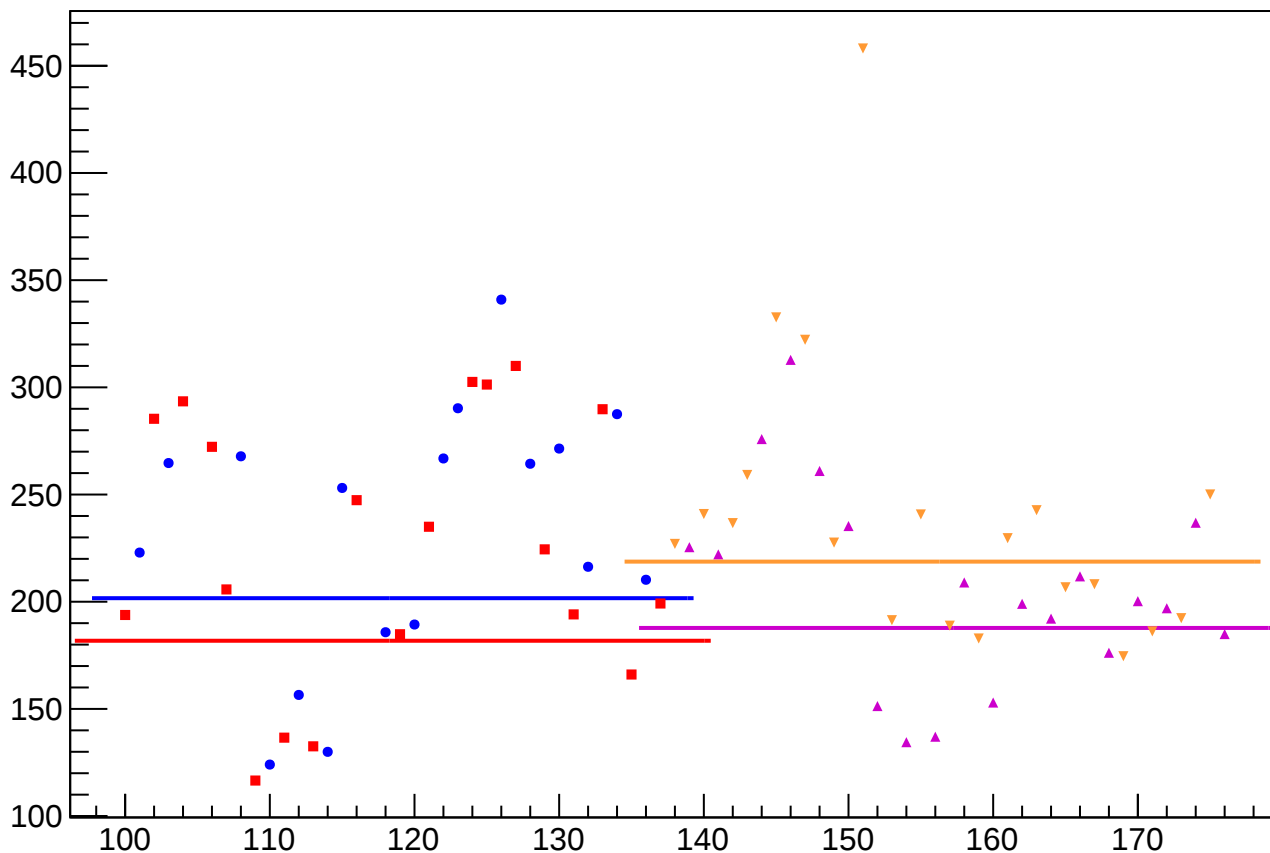
Left In: -43.841 $\pm$ 51.460 χ^2 /NDF: 7.1/18

+ sign 37.807 $\pm$ 47.483 χ^2 /NDF: 13.3/36

All: -1.633 $\pm$ 31.509 χ^2 /NDF: 29.6/74

- sign -32.665 $\pm$ 42.119 χ^2 /NDF: 15.1/37

asym_bcm_dg_us_rms vs Slug



Right In: 201.654 $\pm$ 0.058 χ^2 /NDF: 883179.7/16

Left Out: 218.710 $\pm$ 0.041 χ^2 /NDF: 1175142.8/19

Right Out: 181.797 $\pm$ 0.052 χ^2 /NDF: 1377449.9/18

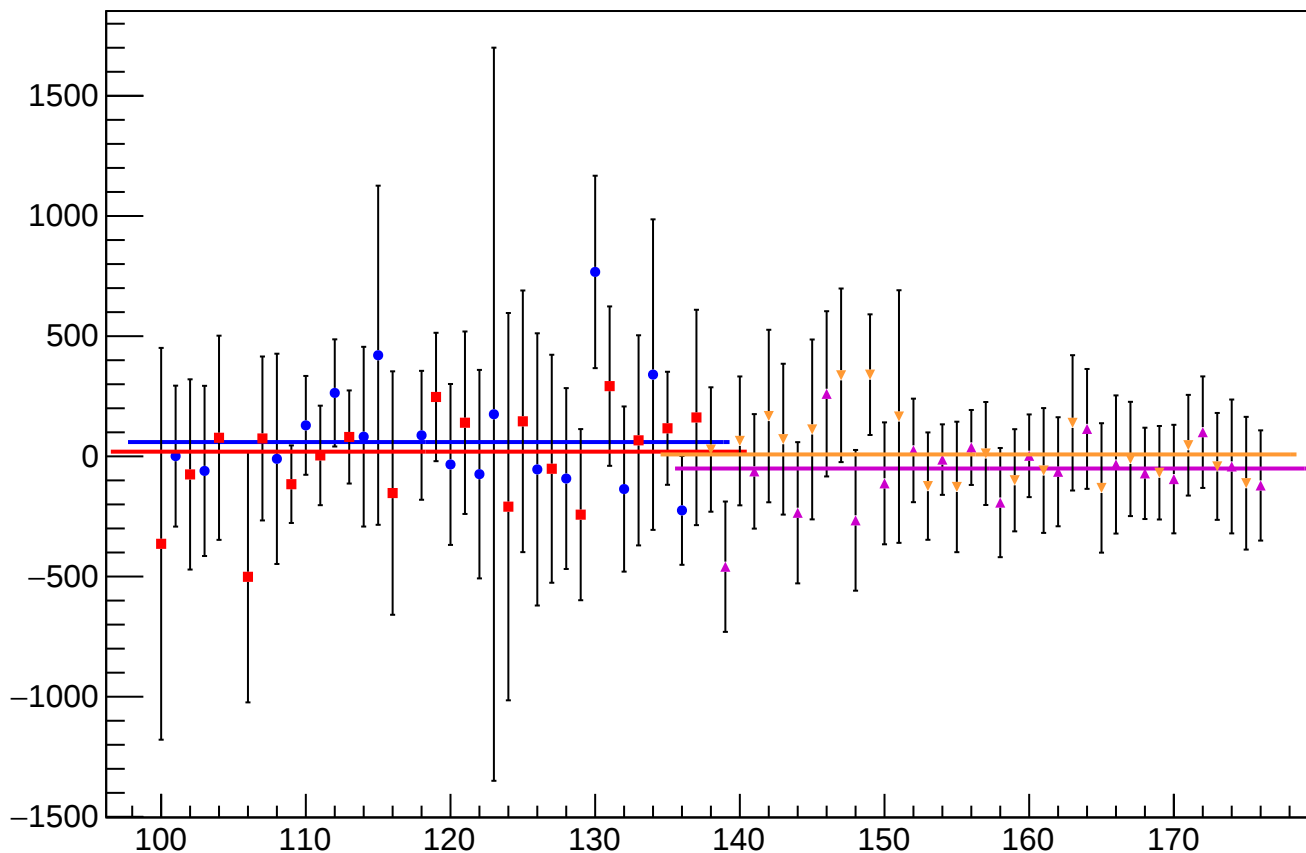
Left In: 187.771 $\pm$ 0.036 χ^2 /NDF: 1406475.8/18

+ sign 212.973 $\pm$ 0.034 χ^2 /NDF: 2115923.3/36

All: 197.765 $\pm$ 0.022 χ^2 /NDF: 5275338.5/74

- sign 185.799 $\pm$ 0.030 χ^2 /NDF: 2792821.7/37

asym_bcm_dg_ds_mean vs Slug



Right In: 59.496 $\pm$ 80.808 χ^2 /NDF: 7.0/16

Left Out: 8.016 $\pm$ 57.725 χ^2 /NDF: 4.9/19

Right Out: 19.541 $\pm$ 71.866 χ^2 /NDF: 4.7/18

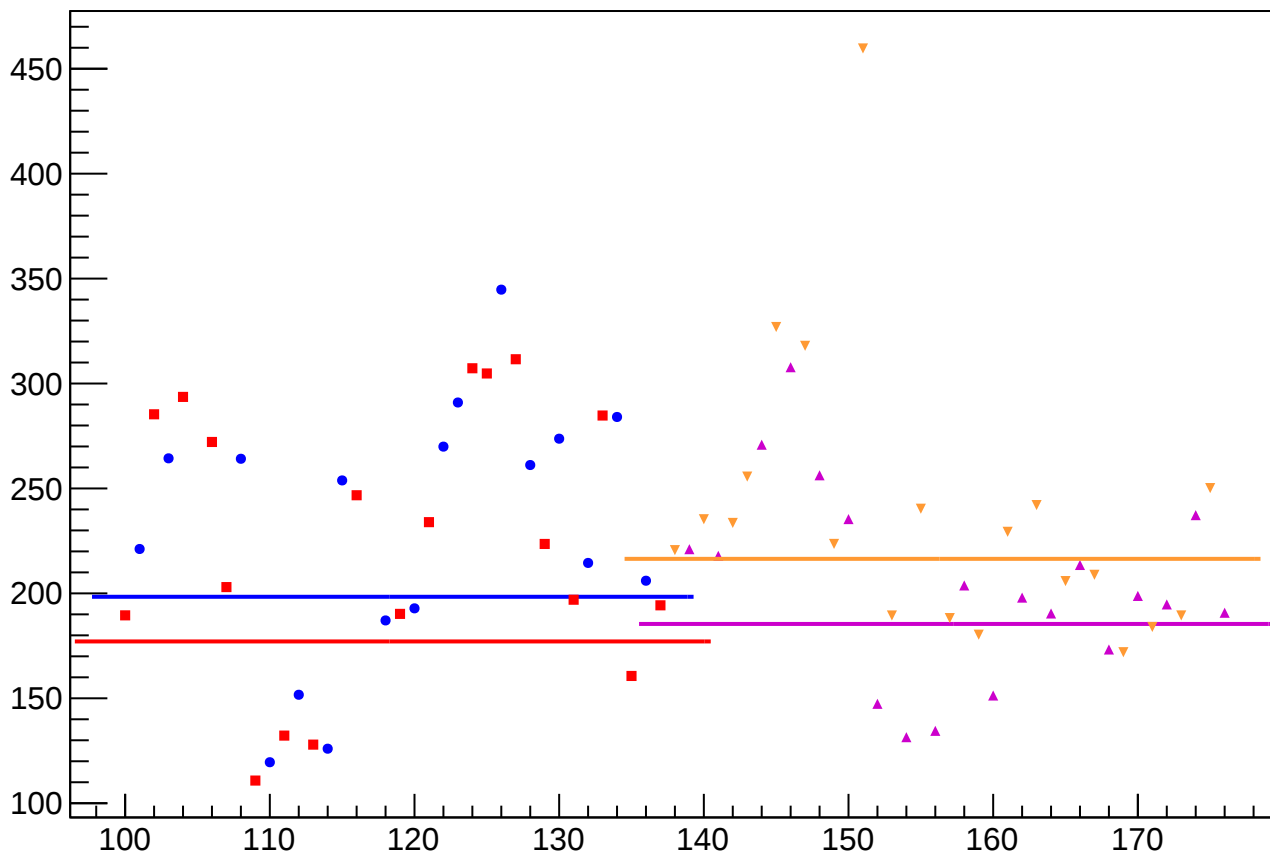
Left In: -50.588 $\pm$ 50.883 χ^2 /NDF: 6.1/18

+ sign 25.409 $\pm$ 46.971 χ^2 /NDF: 12.1/36

All: -4.103 $\pm$ 31.112 χ^2 /NDF: 24.3/74

- sign -27.171 $\pm$ 41.528 χ^2 /NDF: 11.4/37

asym_bcm_dg_ds_rms vs Slug



Right In: 198.378 $\pm$ 0.057 χ^2 /NDF: 963672.6/16

Left Out: 216.455 $\pm$ 0.041 χ^2 /NDF: 1184295.9/19

Right Out: 177.096 $\pm$ 0.051 χ^2 /NDF: 1524763.6/18

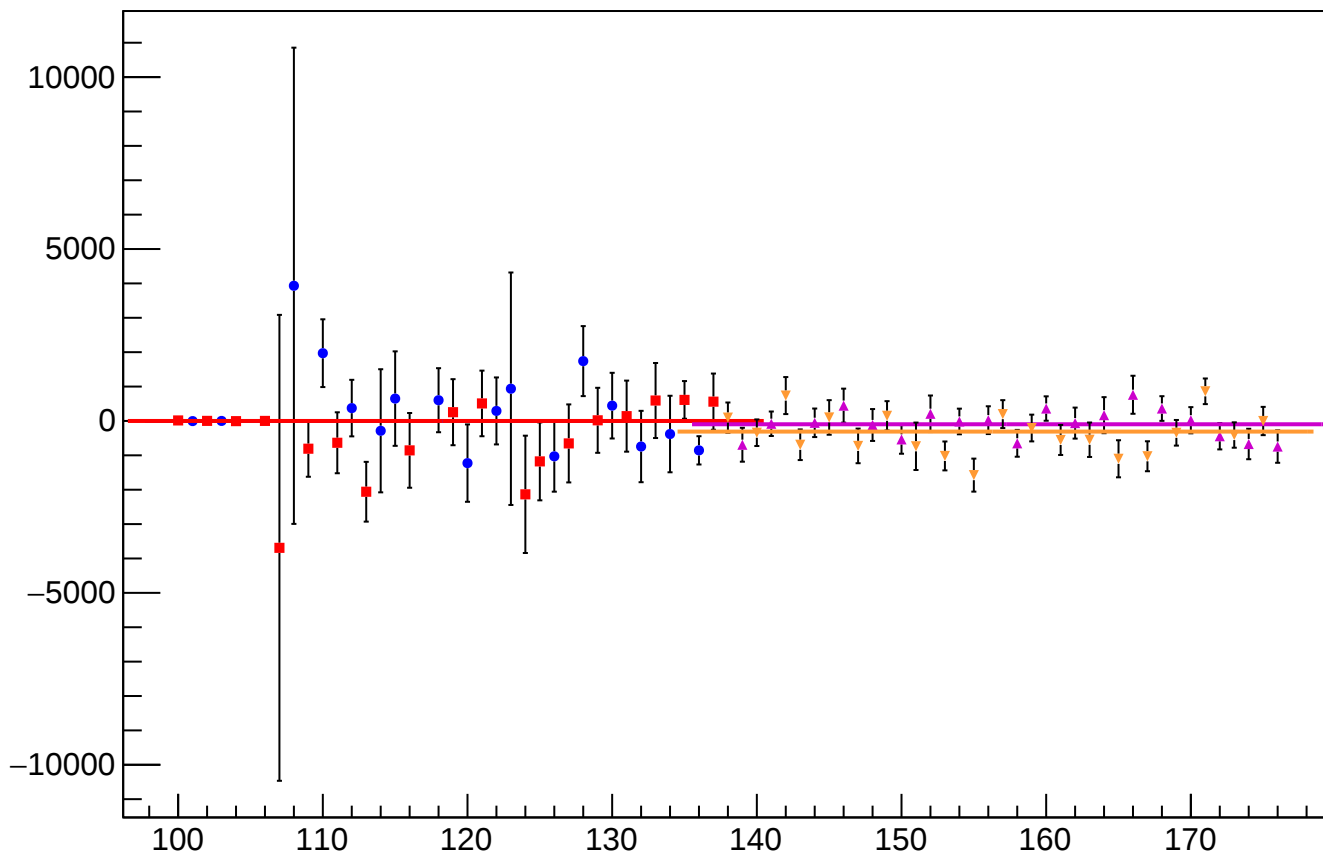
Left In: 185.432 $\pm$ 0.036 χ^2 /NDF: 1441560.0/18

+ sign 210.347 $\pm$ 0.033 χ^2 /NDF: 2214235.6/36

All: 194.801 $\pm$ 0.022 χ^2 /NDF: 5588848.4/74

- sign 182.648 $\pm$ 0.029 χ^2 /NDF: 2984246.4/37

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 17.0/16

Left Out: -309.485 ± 97.998 χ^2/NDF : 35.6/19

Right Out: -0.727 ± 2.111 χ^2/NDF : 19.3/18

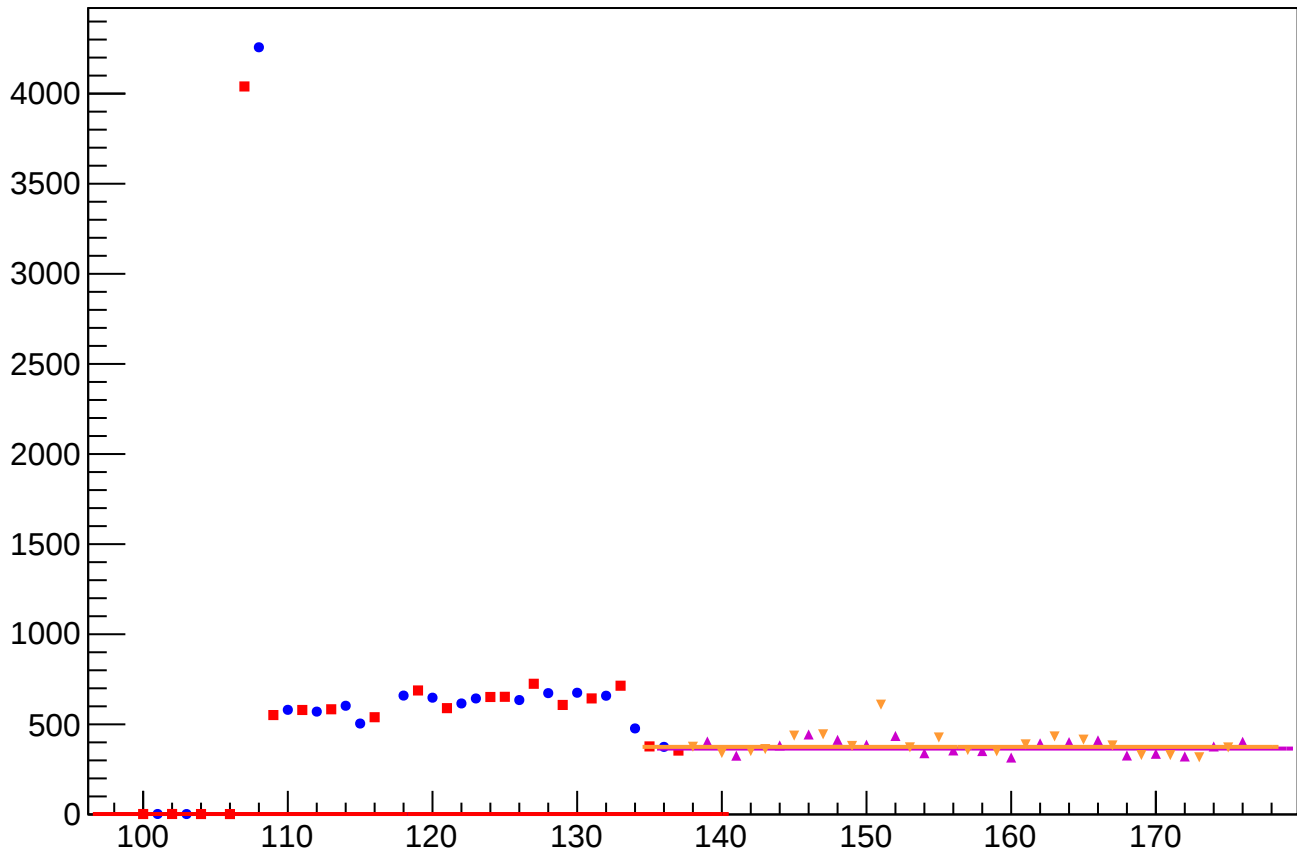
Left In: -96.630 ± 96.886 χ^2/NDF : 16.7/18

+ sign -1.692 ± 2.251 χ^2/NDF : 62.5/36

All: -1.202 ± 1.540 χ^2/NDF : 99.5/74

- sign -0.772 ± 2.111 χ^2/NDF : 37.0/37

asym_cav4bQ_rms vs Slug



Right In: 2.457+/-0.002 χ^2/NDF : 10847802.4/16

Left Out: 375.016+/-0.069 χ^2/NDF : 505319.2/19

Right Out: 2.437+/-0.001 χ^2/NDF : 11147393.9/18

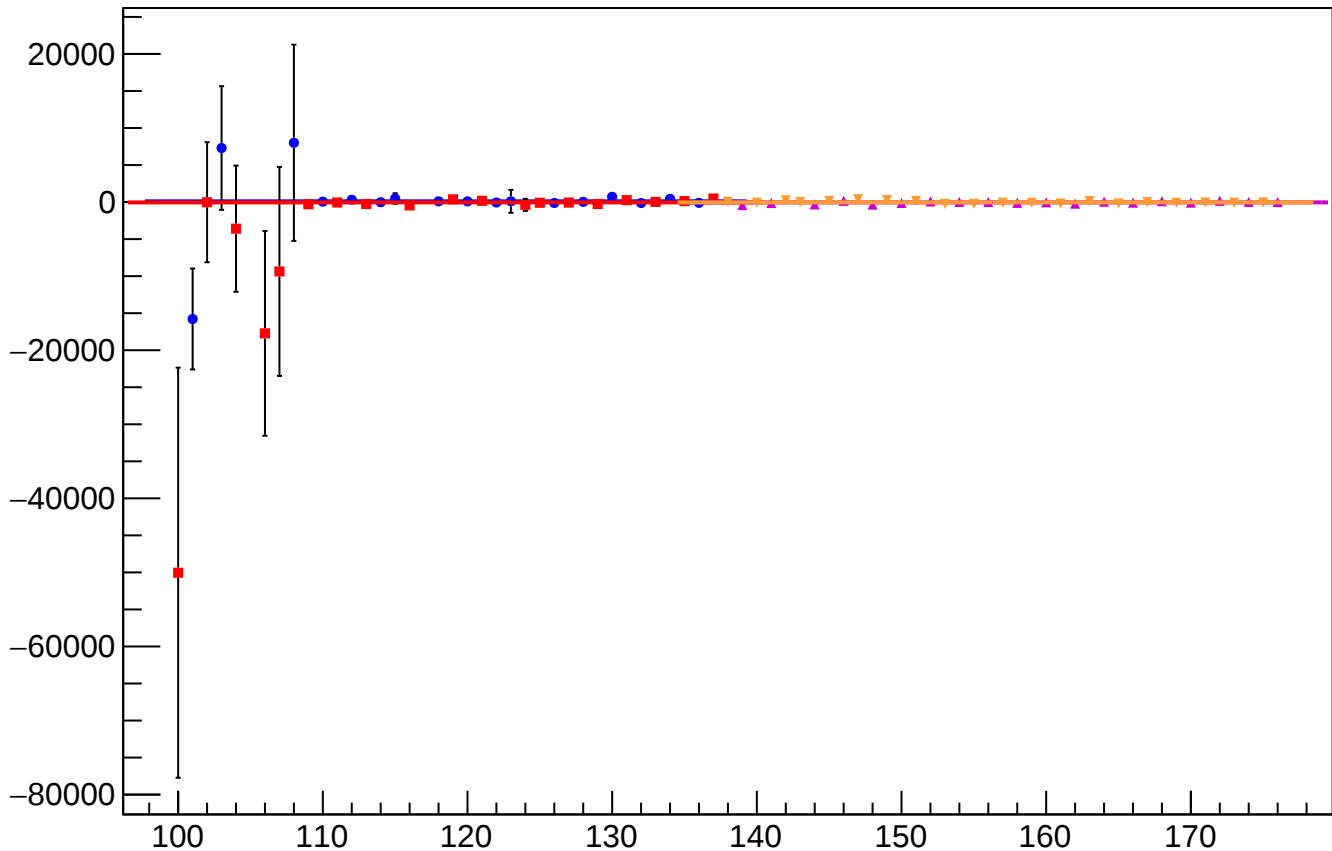
Left In: 365.592+/-0.069 χ^2/NDF : 311140.9/18

+ sign 2.653+/-0.002 χ^2/NDF : 40243879.0/36

All: 2.630+/-0.001 χ^2/NDF : 79788890.6/74

- sign 2.609+/-0.001 χ^2/NDF : 39544602.7/37

asym_cav4cQ_mean vs Slug



Right In: 98.643+/-90.860 χ^2/NDF : 11.9/16

Left Out: -41.031+/-60.112 χ^2/NDF : 6.2/19

Right Out: -42.302+/-84.496 χ^2/NDF : 13.9/18

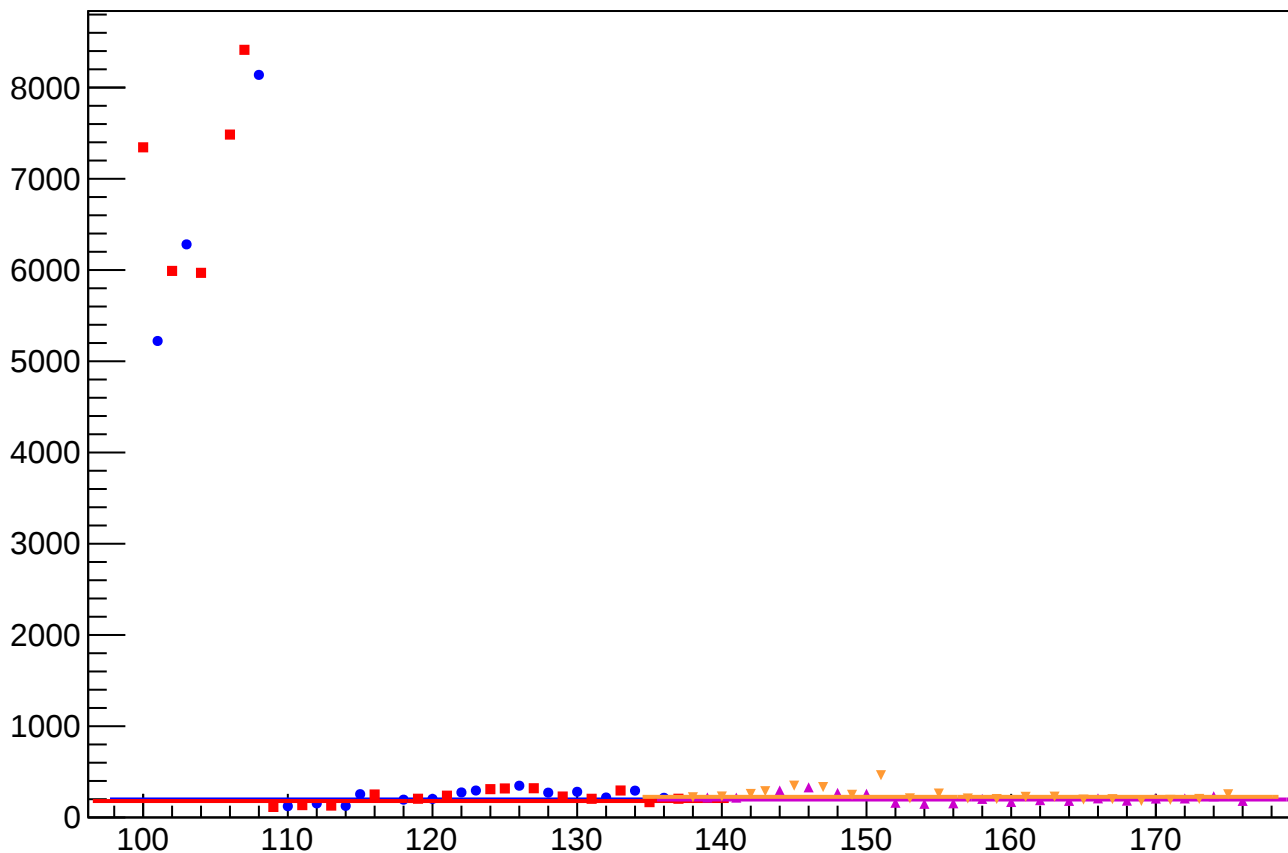
Left In: -39.124+/-53.545 χ^2/NDF : 6.9/18

+ sign 1.493+/-50.134 χ^2/NDF : 19.7/36

All: -21.402+/-33.582 χ^2/NDF : 40.8/74

- sign -40.035+/-45.229 χ^2/NDF : 20.8/37

asym_cav4cQ_rms vs Slug



Right In: 197.086 $\pm$ 0.064 χ^2 /NDF: 3693614.0/16

Left Out: 225.888 $\pm$ 0.043 χ^2 /NDF: 1146967.6/19

Right Out: 179.949 $\pm$ 0.060 χ^2 /NDF: 4321173.8/18

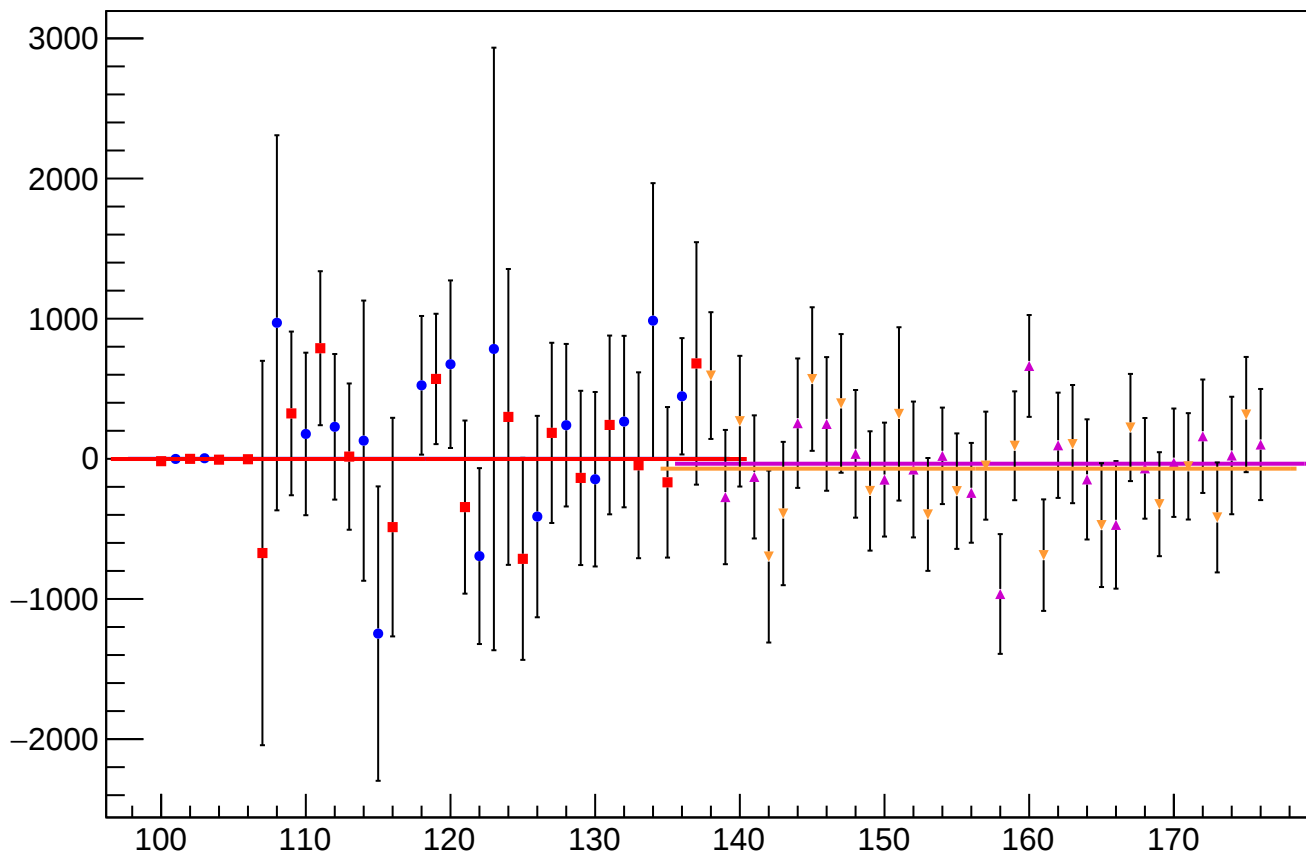
Left In: 196.594 $\pm$ 0.038 χ^2 /NDF: 1123993.1/18

+ sign 217.119 $\pm$ 0.035 χ^2 /NDF: 4980369.8/36

All: 203.175 $\pm$ 0.024 χ^2 /NDF: 10761580.1/74

- sign 191.825 $\pm$ 0.032 χ^2 /NDF: 5500539.4/37

asym_cav4dQ_mean vs Slug



Right In: -0.138 ± 1.737 χ^2/NDF : 9.7/16

Left Out: -70.232 ± 96.255 χ^2/NDF : 14.2/19

Right Out: -1.323 ± 1.623 χ^2/NDF : 9.6/18

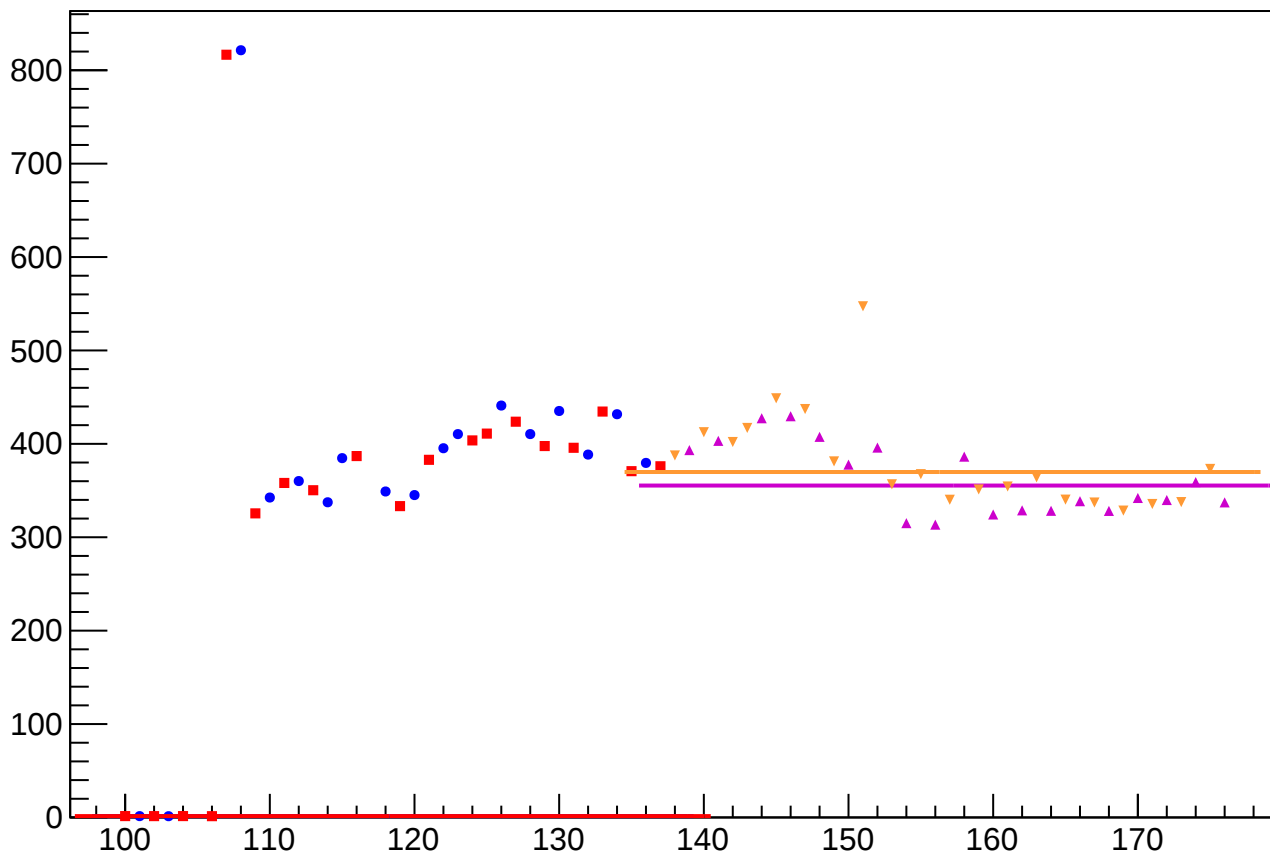
Left In: -34.930 ± 94.037 χ^2/NDF : 11.4/18

+ sign -0.161 ± 1.736 χ^2/NDF : 24.5/36

All: -0.787 ± 1.185 χ^2/NDF : 45.9/74

- sign -1.333 ± 1.622 χ^2/NDF : 21.2/37

asym_cav4dQ_rms vs Slug



Right In: 1.453+/-0.001 χ^2/NDF : 10957986.8/16

Left Out: 369.855+/-0.068 χ^2/NDF :393234.6/19

Right Out: 1.451+/-0.001 χ^2/NDF : 10880737.7/18

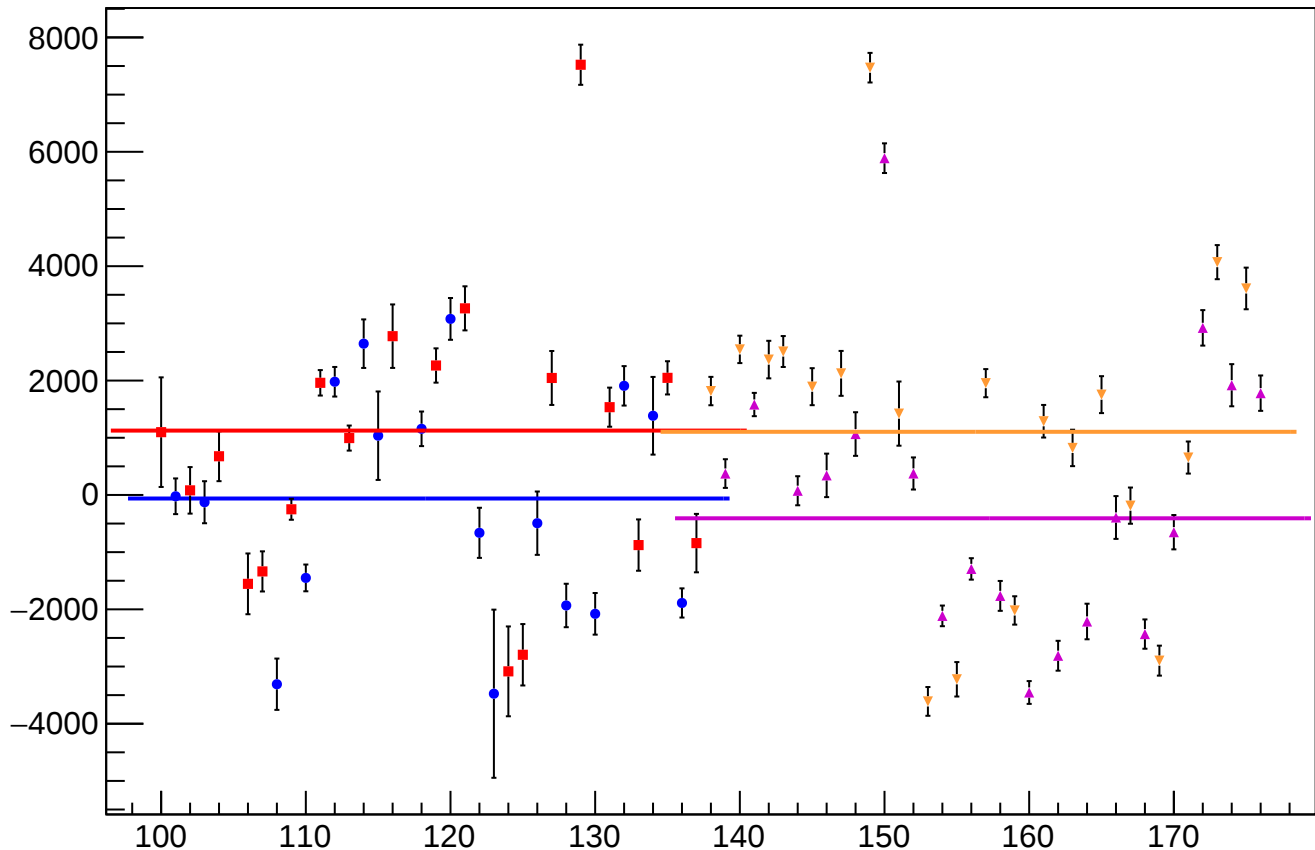
Left In: 355.352+/-0.066 χ^2/NDF :301415.6/18

+ sign 1.573+/-0.001 χ^2/NDF : 40638872.4/36

All: 1.564+/-0.001 χ^2/NDF : 80139239.3/74

- sign 1.556+/-0.001 χ^2/NDF : 39500272.7/37

asym_bcm0l02_mean vs Slug



Right In: -62.164 ± 87.424 χ^2/NDF : 433.9/16

Left Out: 1104.282 ± 64.797 χ^2/NDF : 1837.0/19

Right Out: 1125.437 ± 78.370 χ^2/NDF : 671.2/18

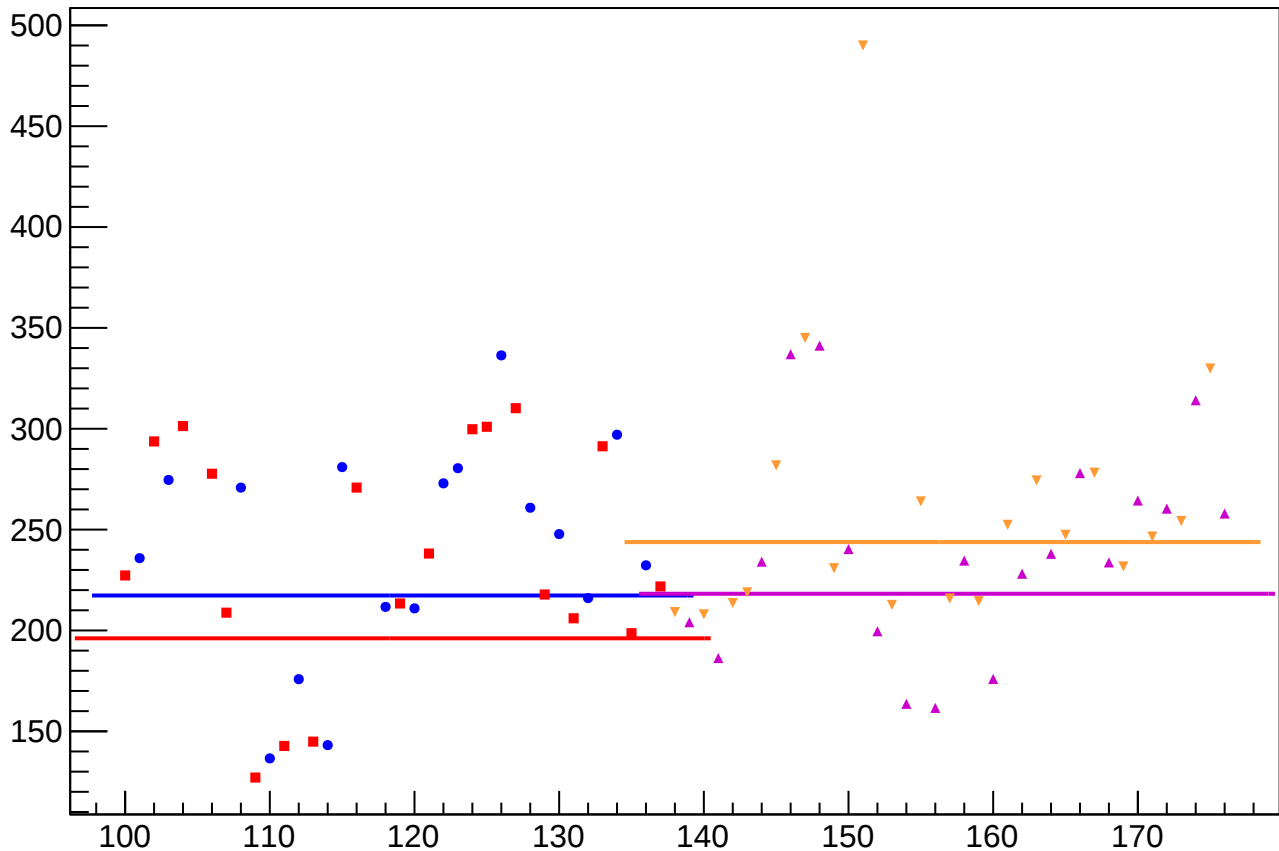
Left In: -408.148 ± 59.501 χ^2/NDF : 1482.7/18

+ sign 690.694 ± 52.057 χ^2/NDF : 2385.8/36

All: 396.459 ± 35.044 χ^2/NDF : 4841.0/74

- sign 152.620 ± 47.390 χ^2/NDF : 2396.8/37

asym_bcm0l02_rms vs Slug



Right In: 217.330 $\pm$ 0.062 χ^2 /NDF: 652722.5/16

Left Out: 243.820 $\pm$ 0.046 χ^2 /NDF: 924732.2/19

Right Out: 196.105 $\pm$ 0.055 χ^2 /NDF: 1190733.6/18

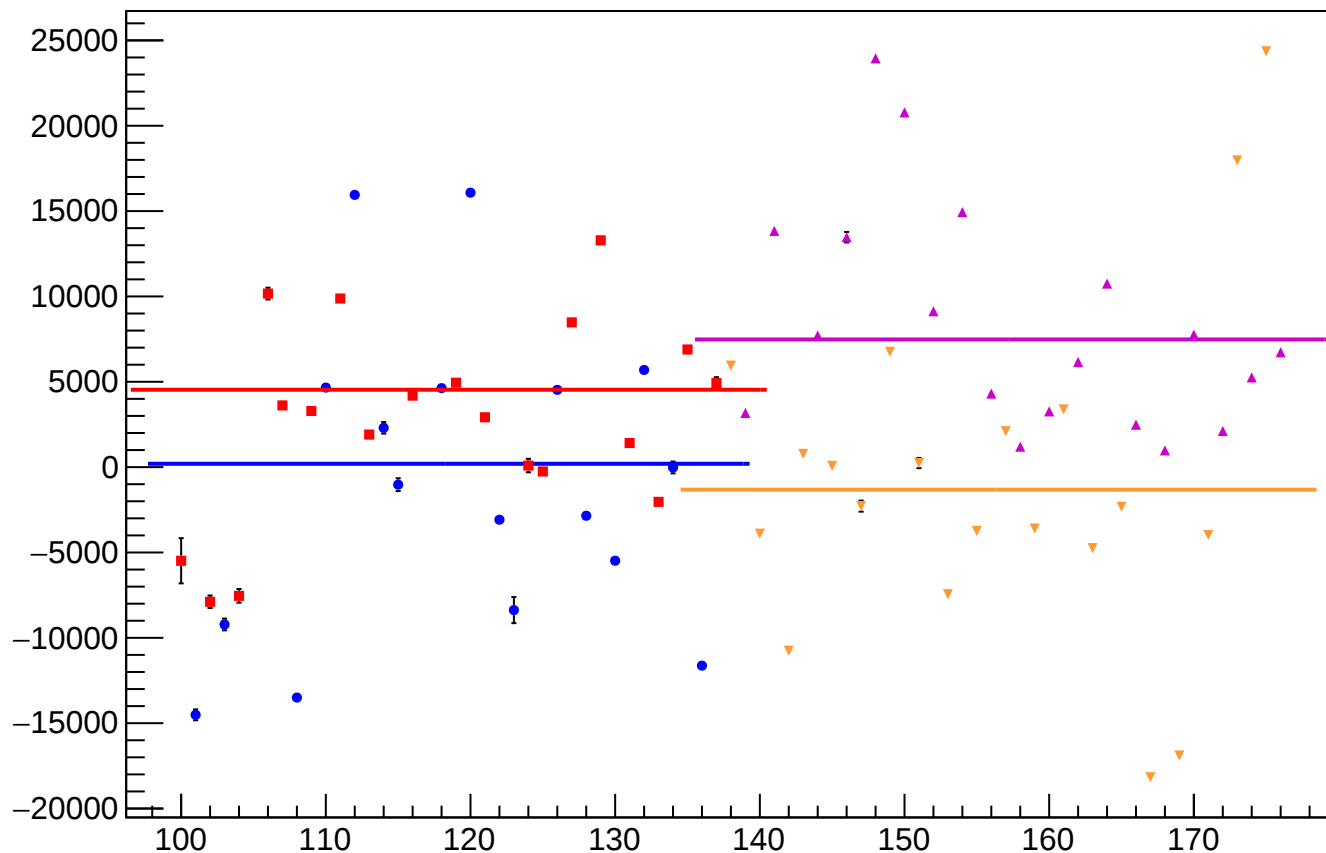
Left In: 218.195 $\pm$ 0.042 χ^2 /NDF: 1274472.2/18

+ sign 234.428 $\pm$ 0.037 χ^2 /NDF: 1695975.3/36

All: 221.134 $\pm$ 0.025 χ^2 /NDF: 4500473.5/74

- sign 210.118 $\pm$ 0.034 χ^2 /NDF: 2566002.6/37

asym_bpm0i02WS_mean vs Slug



Right In: 197.008 ± 54.799 $\chi^2/\text{NDF}: 30658.3/16$

Left Out: -1321.016 ± 44.909 $\chi^2/\text{NDF}: 45094.8/19$

Right Out: 4534.200 ± 52.462 $\chi^2/\text{NDF}: 7477.2/18$

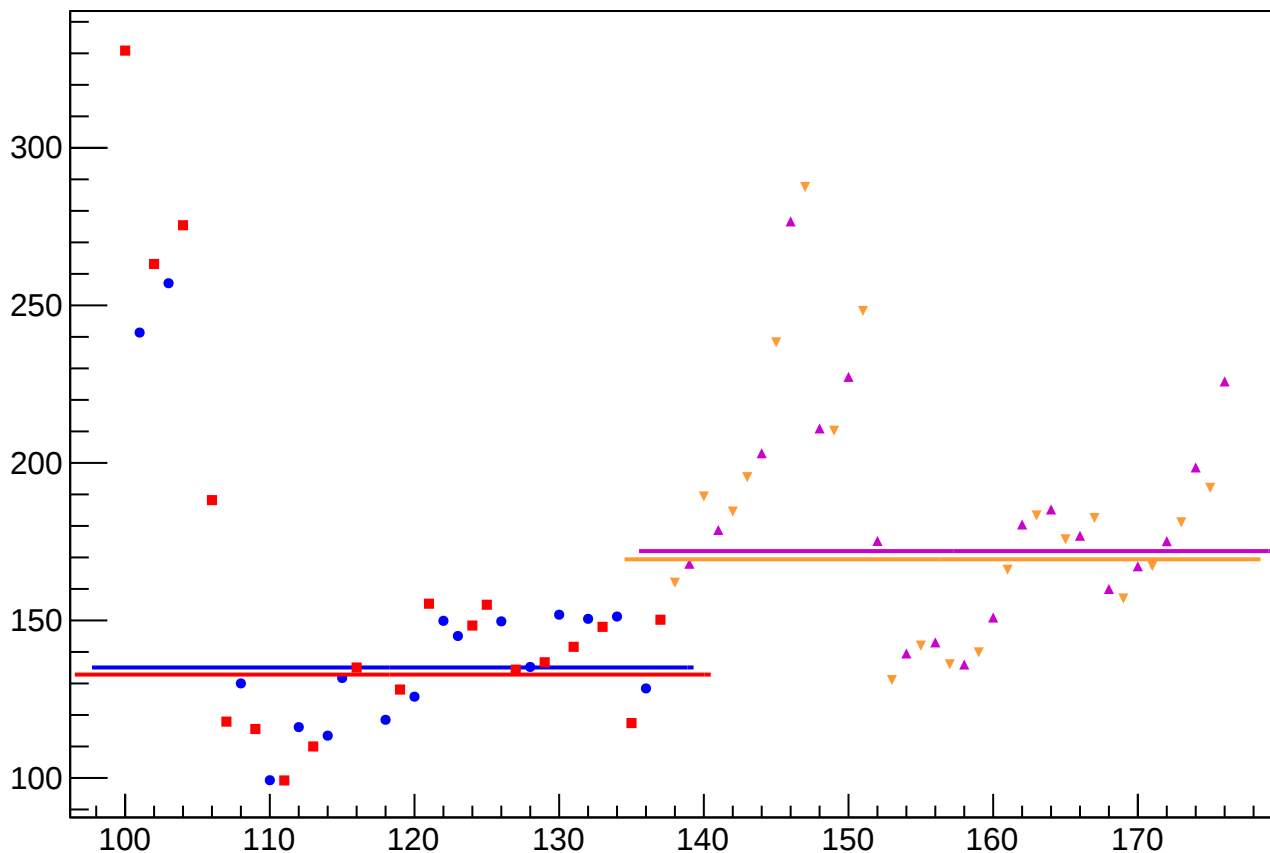
Left In: 7479.863 ± 46.370 $\chi^2/\text{NDF}: 17297.4/18$

+ sign -711.103 ± 34.735 $\chi^2/\text{NDF}: 76212.2/36$

All: 2737.536 ± 24.564 $\chi^2/\text{NDF}: 122476.9/74$

- sign 6187.915 ± 34.743 $\chi^2/\text{NDF}: 26544.6/37$

asym_bpm0i02WS_rms vs Slug



Right In: 135.072 $\pm$ 0.039 χ^2 /NDF: 658703.5/16

Left Out: 169.400 $\pm$ 0.032 χ^2 /NDF: 1052531.6/19

Right Out: 132.816 $\pm$ 0.037 χ^2 /NDF: 831191.5/18

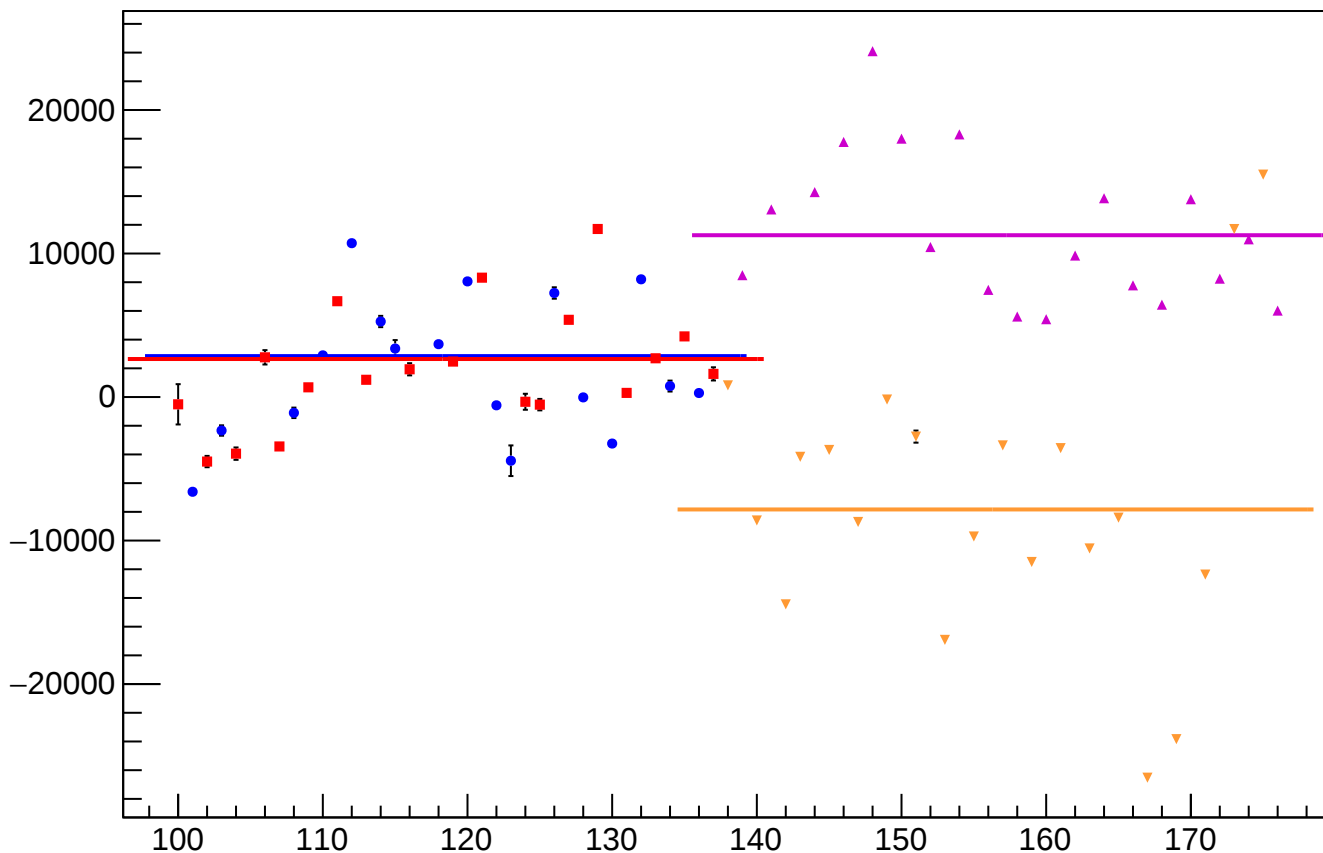
Left In: 172.015 $\pm$ 0.033 χ^2 /NDF: 854493.3/18

+ sign 155.608 $\pm$ 0.025 χ^2 /NDF: 2180755.5/36

All: 155.215 $\pm$ 0.017 χ^2 /NDF: 4493807.1/74

- sign 154.823 $\pm$ 0.025 χ^2 /NDF: 2312541.1/37

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -7833.022+/-50.761 χ^2/NDF : 38131.8/19

Right Out: 2649.142+/-65.731 χ^2/NDF : 3175.7/18

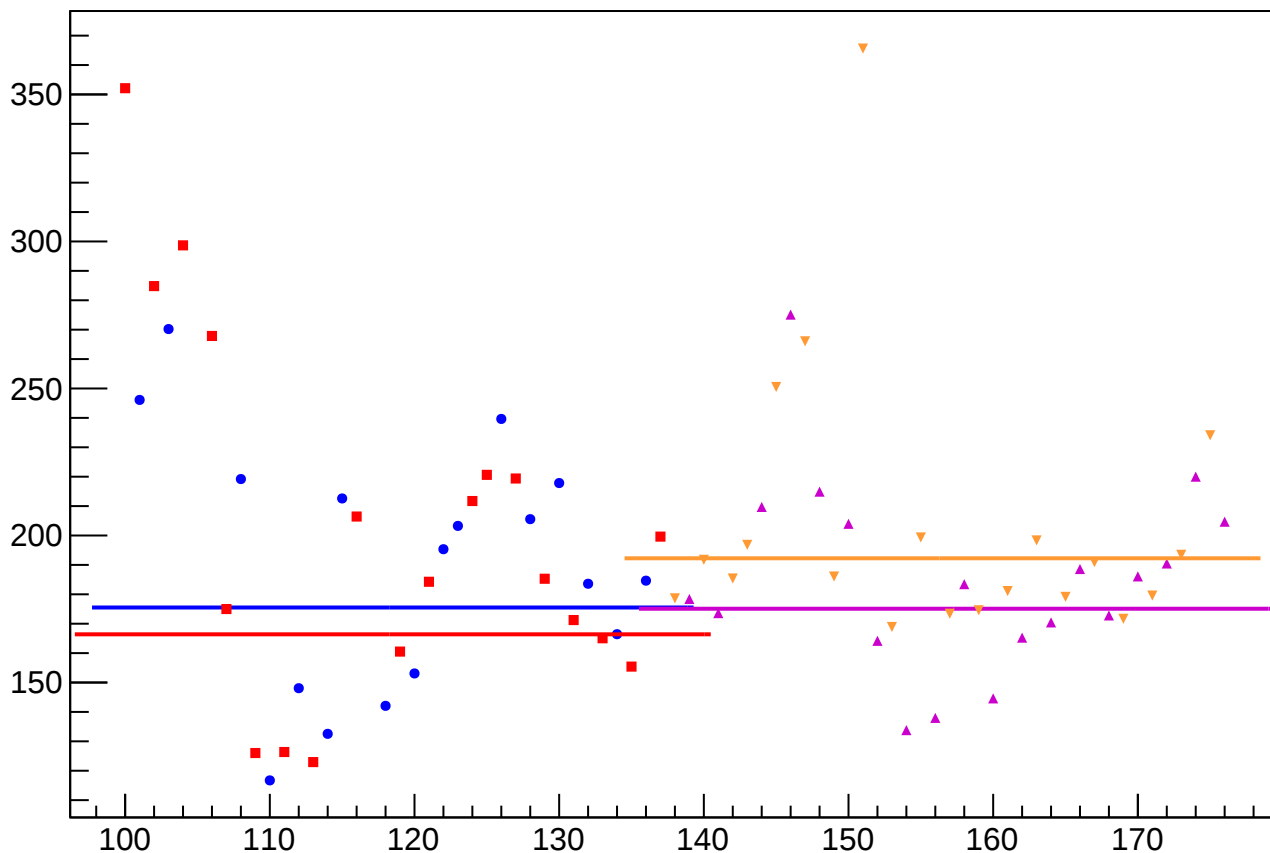
Left In: 11275.058+/-47.256 χ^2/NDF : 11295.1/18

+ sign -4202.365+/-41.244 χ^2/NDF : 57365.0/36

All: 2518.951+/-28.093 χ^2/NDF : 132730.1/74

- sign 8335.845+/-38.369 χ^2/NDF : 25824.2/37

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514 $\pm$ 0.050 χ^2 /NDF: 689642.3/16

Left Out: 192.250 $\pm$ 0.036 χ^2 /NDF: 711071.0/19

Right Out: 166.393 $\pm$ 0.046 χ^2 /NDF: 929534.5/18

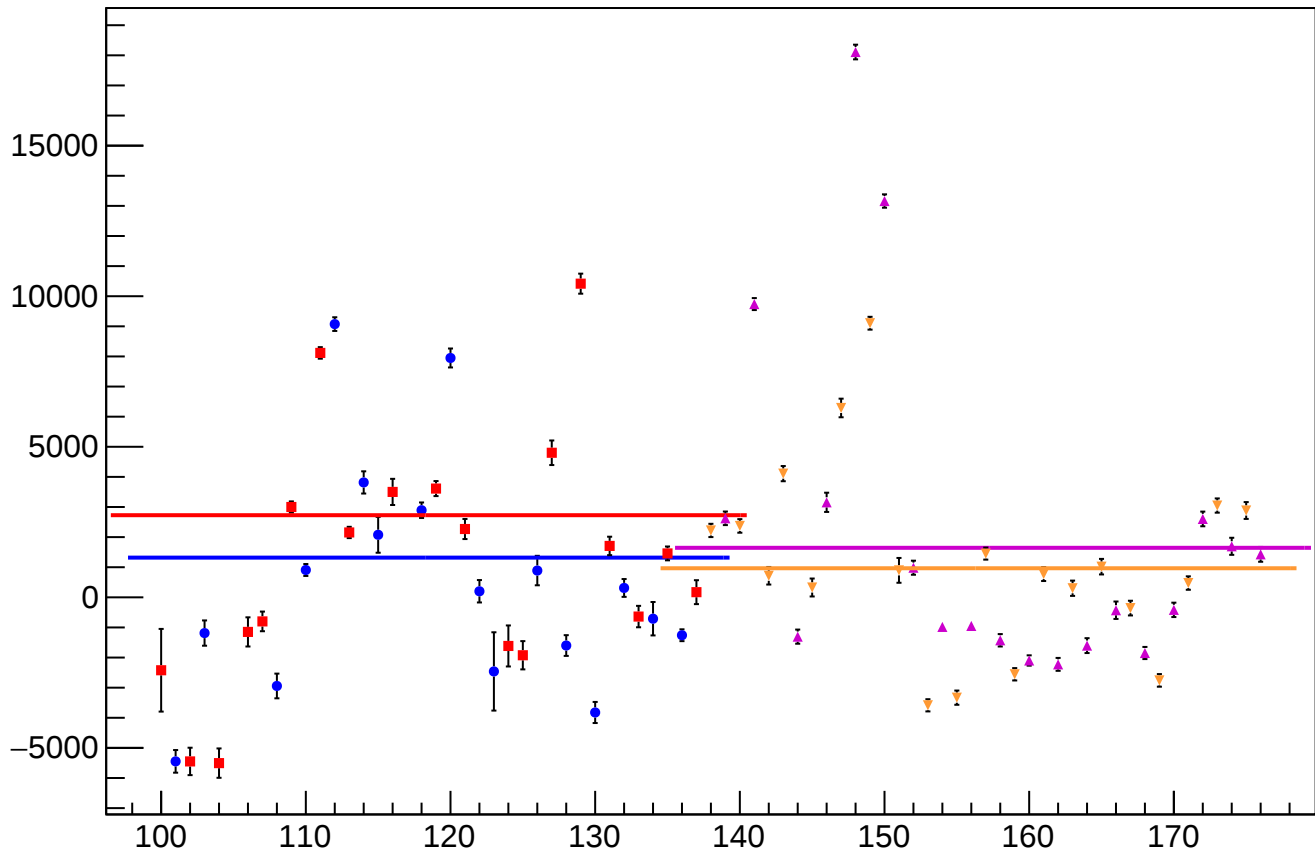
Left In: 175.096 $\pm$ 0.033 χ^2 /NDF: 807542.6/18

+ sign 186.563 $\pm$ 0.029 χ^2 /NDF: 1474584.2/36

All: 178.826 $\pm$ 0.020 χ^2 /NDF: 3366057.3/74

- sign 172.130 $\pm$ 0.027 χ^2 /NDF: 1760190.4/37

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 965.786+/-53.619 χ^2/NDF : 3603.5/19

Right Out: 2727.798+/-70.029 χ^2/NDF : 2495.9/18

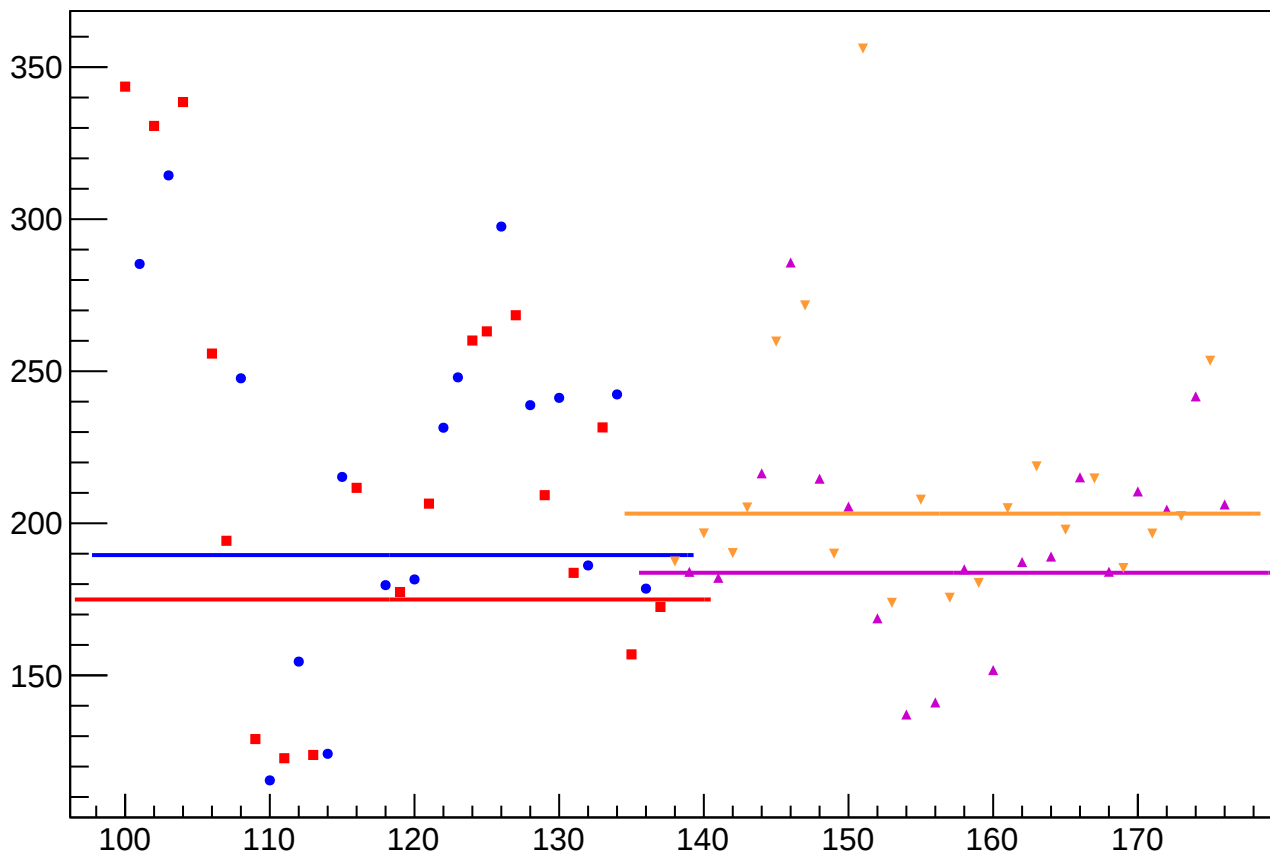
Left In: 1644.707+/-49.675 χ^2/NDF : 11303.6/18

+ sign 1080.839+/-44.029 χ^2/NDF : 6284.6/36

All: 1582.467+/-29.814 χ^2/NDF : 20483.0/74

- sign 2007.261+/-40.517 χ^2/NDF : 13958.7/37

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 $\pm$ 0.055 χ^2 /NDF: 980744.6/16

Left Out: 203.180 $\pm$ 0.038 χ^2 /NDF: 668977.3/19

Right Out: 174.944 $\pm$ 0.050 χ^2 /NDF: 1297106.6/18

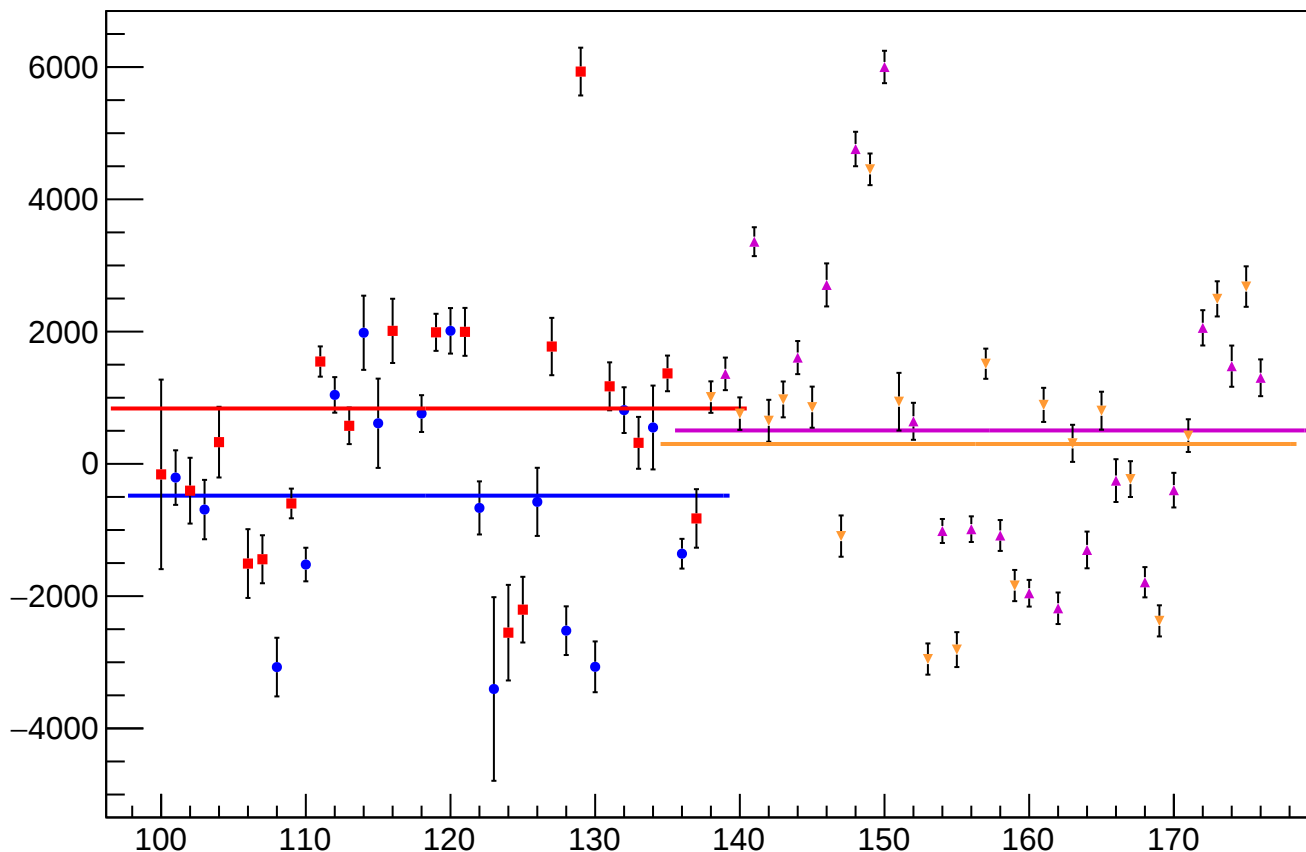
Left In: 183.730 $\pm$ 0.035 χ^2 /NDF: 863920.6/18

+ sign 198.739 $\pm$ 0.031 χ^2 /NDF: 1691853.1/36

All: 189.019 $\pm$ 0.021 χ^2 /NDF: 4053821.0/74

- sign 180.789 $\pm$ 0.029 χ^2 /NDF: 2181970.7/37

asym_bpm0i07WS_mean vs Slug



Right In: -480.578 ± 88.640 χ^2/NDF : 290.7/16

Left Out: 300.595 ± 59.415 χ^2/NDF : 1055.6/19

Right Out: 837.442 ± 82.243 χ^2/NDF : 435.3/18

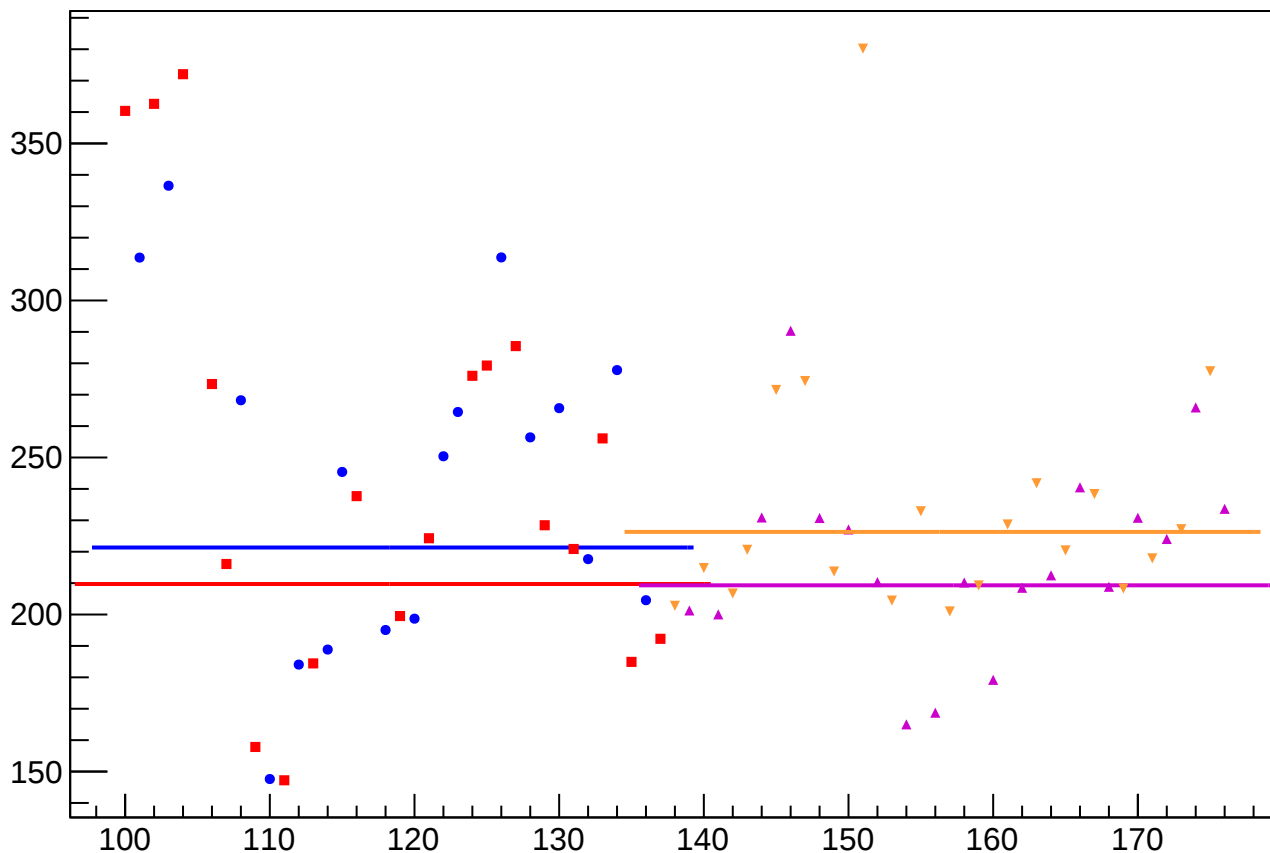
Left In: 505.379 ± 56.082 χ^2/NDF : 1681.9/18

+ sign 58.424 ± 49.354 χ^2/NDF : 1399.9/36

All: 352.010 ± 33.780 χ^2/NDF : 3594.8/74

- sign 610.777 ± 46.335 χ^2/NDF : 2128.4/37

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 226.312 $\pm$ 0.042 χ^2 /NDF: 510947.7/19

Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

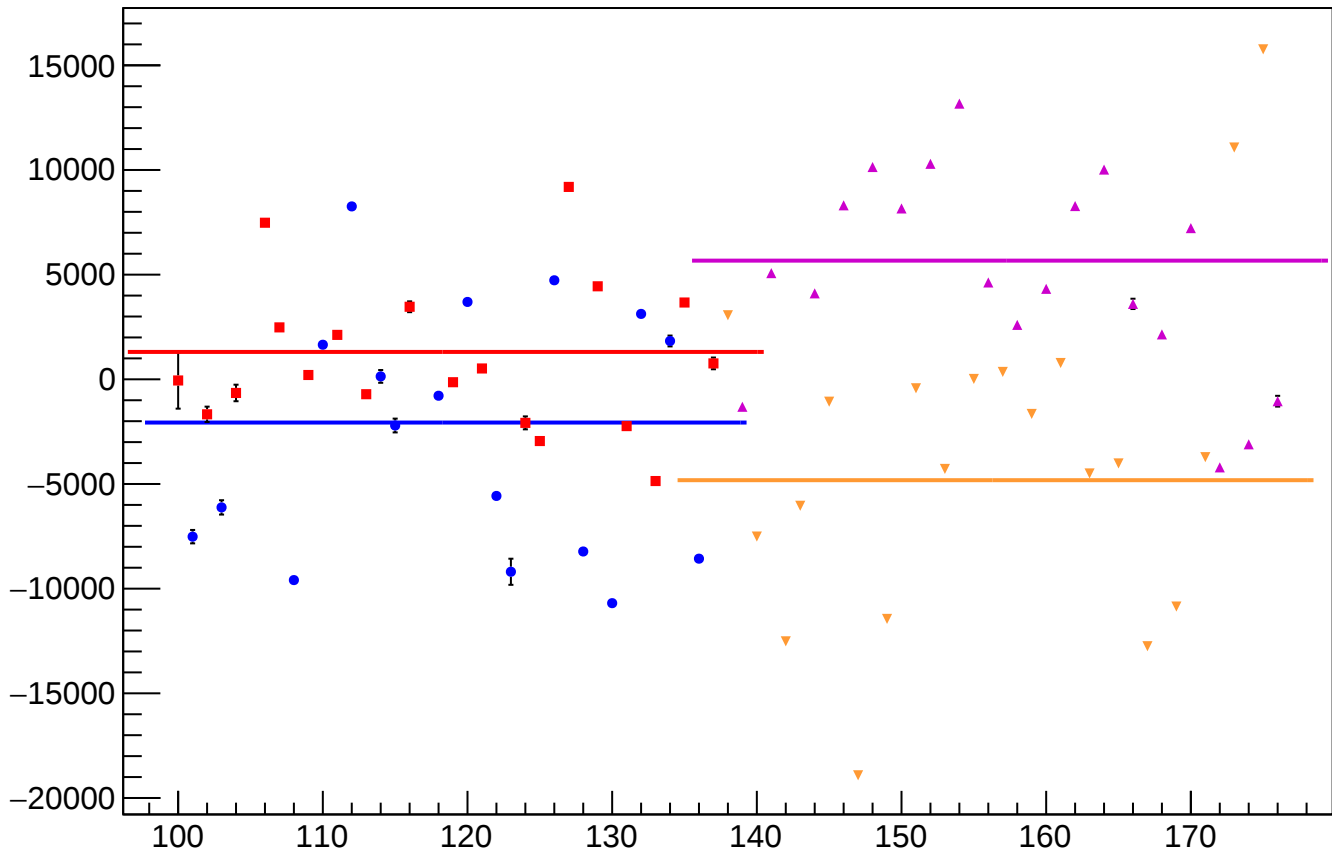
Left In: 209.303 $\pm$ 0.040 χ^2 /NDF: 539871.1/18

+ sign 224.771 $\pm$ 0.035 χ^2 /NDF: 1160973.3/36

All: 216.619 $\pm$ 0.024 χ^2 /NDF: 2687454.1/74

- sign 209.434 $\pm$ 0.033 χ^2 /NDF: 1423823.4/37

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 χ^2/NDF : 16533.3/16

Left Out: -4818.637 ± 35.131 χ^2/NDF : 44911.8/19

Right Out: 1308.512 ± 45.001 χ^2/NDF : 5894.4/18

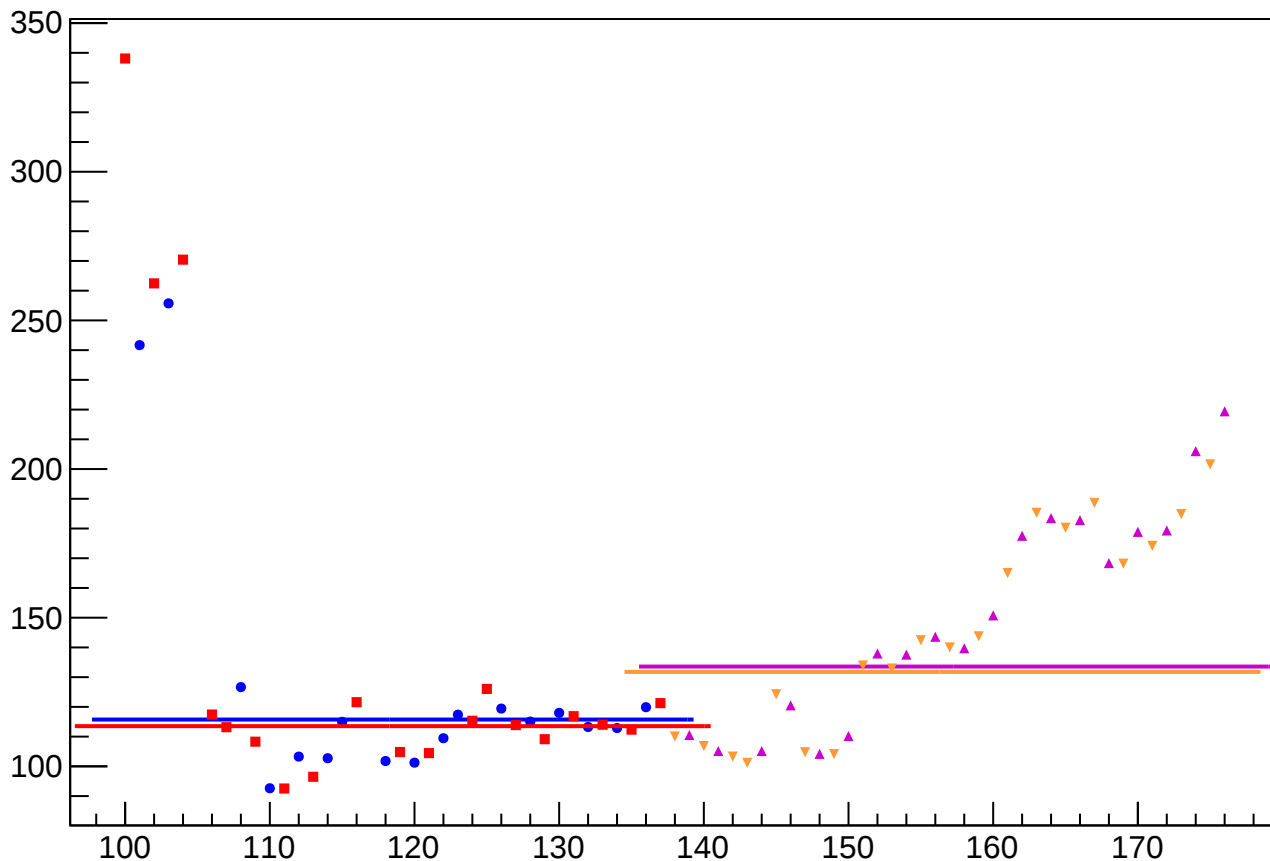
Left In: 5669.772 ± 36.091 χ^2/NDF : 14090.4/18

+ sign -3840.296 ± 28.208 χ^2/NDF : 63627.7/36

All: 68.516 ± 19.927 χ^2/NDF : 127660.9/74

- sign 3962.635 ± 28.155 χ^2/NDF : 25700.8/37

asym_bpm1i02WS_rms vs Slug



Right In: 115.741+/-0.033 χ^2/NDF : 744017.7/16

Left Out: 131.770+/-0.025 χ^2/NDF :1461629.3/19

Right Out: 113.519+/-0.032 χ^2/NDF : 796640.6/18

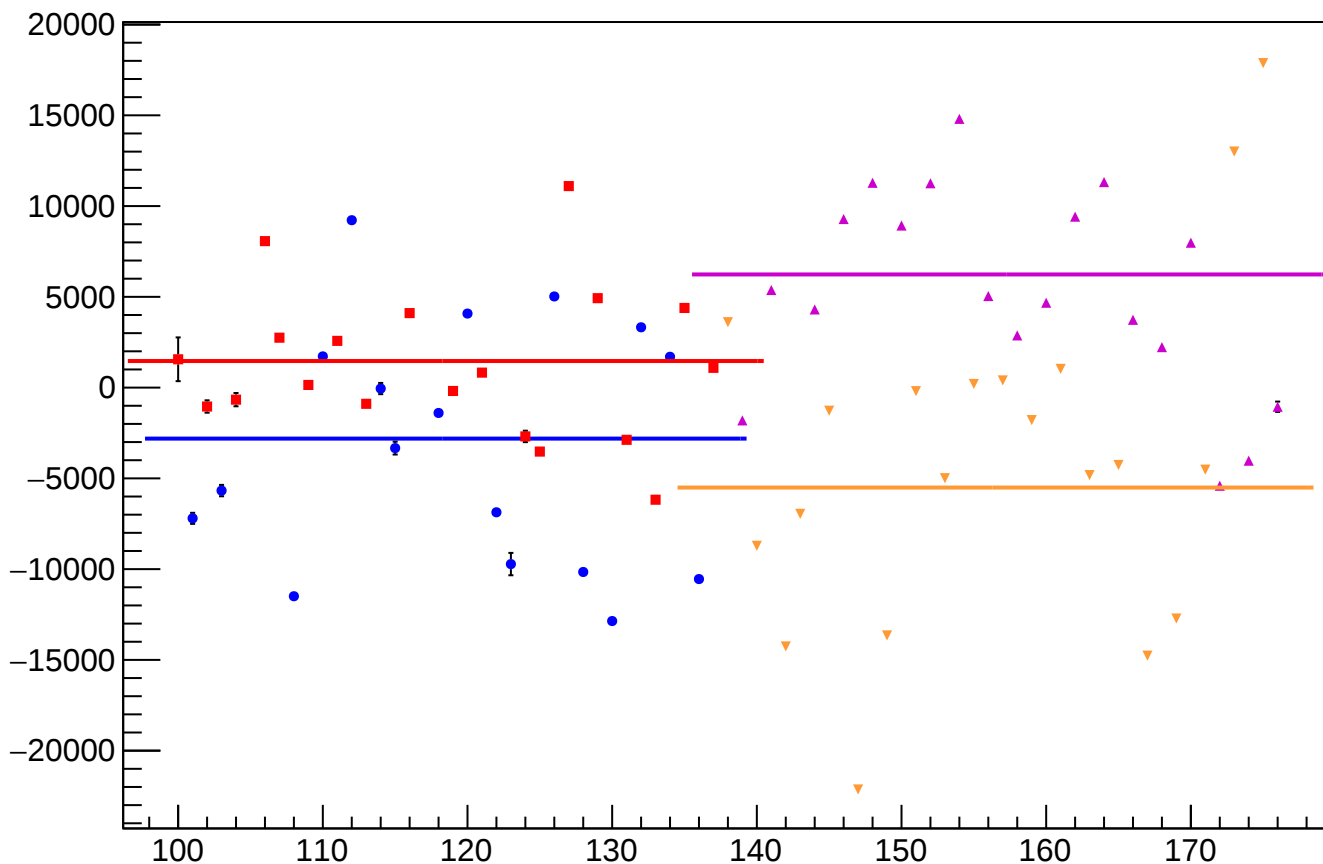
Left In: 133.564+/-0.026 χ^2/NDF :1479483.6/18

+ sign 126.075+/-0.020 χ^2/NDF : 2353591.0/36

All: 125.896+/-0.014 χ^2/NDF : 4871359.3/74

- sign 125.718+/-0.020 χ^2/NDF : 2517607.7/37

asym_bpm2i01WS_mean vs Slug



Right In: -2809.101 $\pm$ 48.284 χ^2 /NDF: 21263.1/16

Left Out: -5505.397 $\pm$ 37.359 χ^2 /NDF: 52643.9/19

Right Out: 1465.074 $\pm$ 46.394 χ^2 /NDF: 8004.7/18

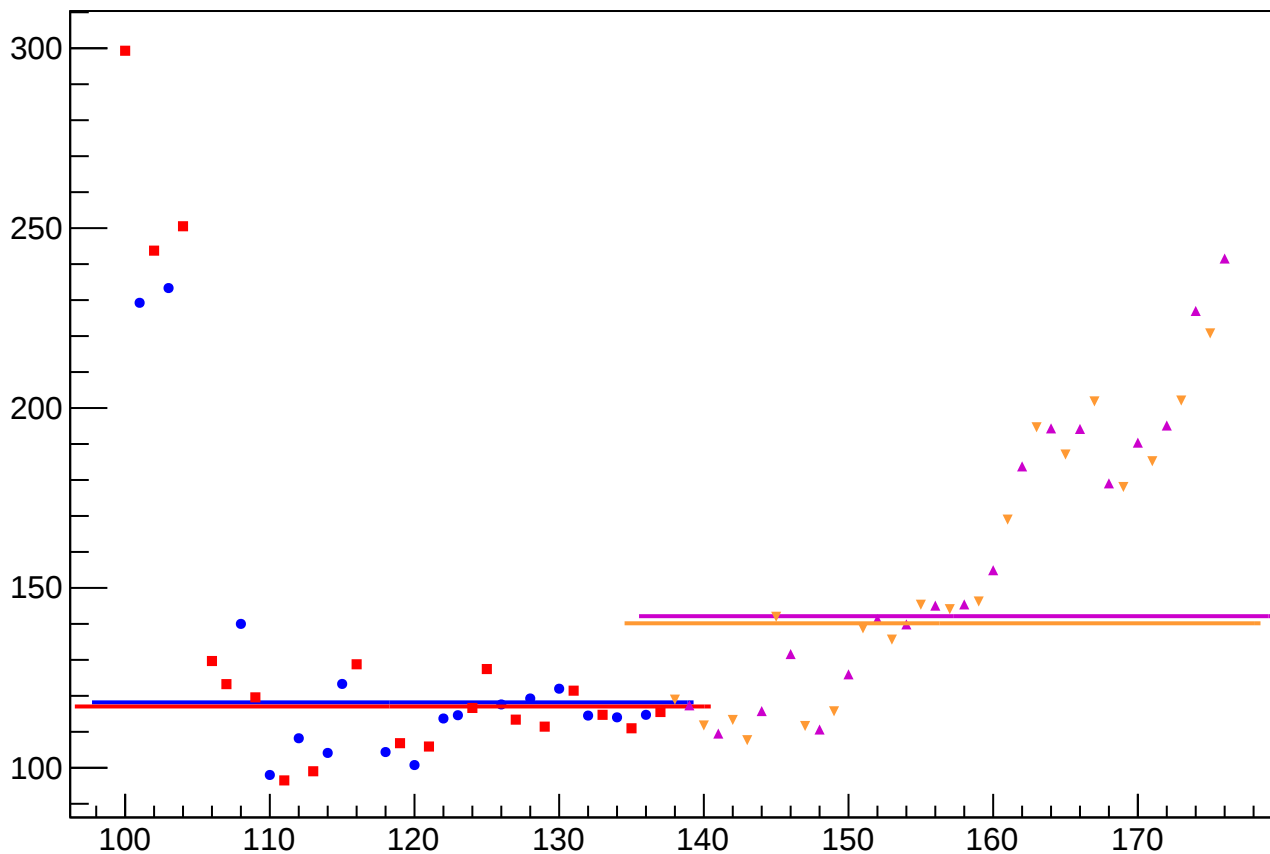
Left In: 6233.678 $\pm$ 38.416 χ^2 /NDF: 16340.8/18

+ sign -4495.716 $\pm$ 29.547 χ^2 /NDF: 75857.6/36

All: -107.080 $\pm$ 20.908 χ^2 /NDF: 150655.4/74

- sign 4294.026 $\pm$ 29.589 χ^2 /NDF: 30612.8/37

asym_bpm2i01WS_rms vs Slug



Right In: 118.188+/-0.034 χ^2/NDF : 636252.0/16

Left Out: 140.165+/-0.026 χ^2/NDF :1382964.8/19

Right Out: 117.046+/-0.033 χ^2/NDF : 690635.5/18

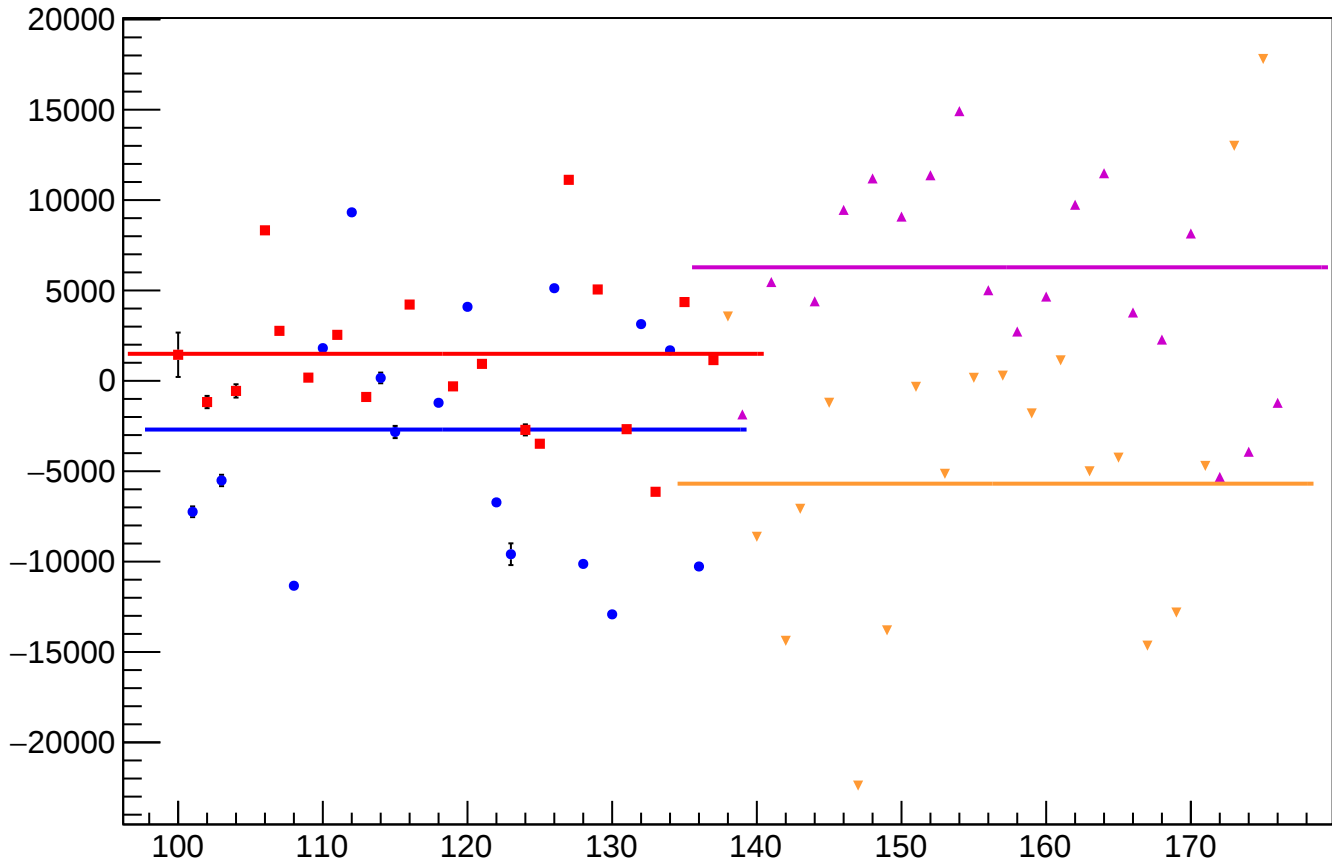
Left In: 142.144+/-0.027 χ^2/NDF :1433009.1/18

+ sign 131.935+/-0.021 χ^2/NDF : 2278393.0/36

All: 131.935+/-0.015 χ^2/NDF : 4749266.5/74

- sign 131.935+/-0.021 χ^2/NDF : 2470873.5/37

asym_bpm2i02WS_mean vs Slug



Right In: -2694.260 ± 46.347 $\chi^2/\text{NDF}: 22860.3/16$

Left Out: -5688.275 ± 36.470 $\chi^2/\text{NDF}: 56850.0/19$

Right Out: 1495.744 ± 44.445 $\chi^2/\text{NDF}: 8717.2/18$

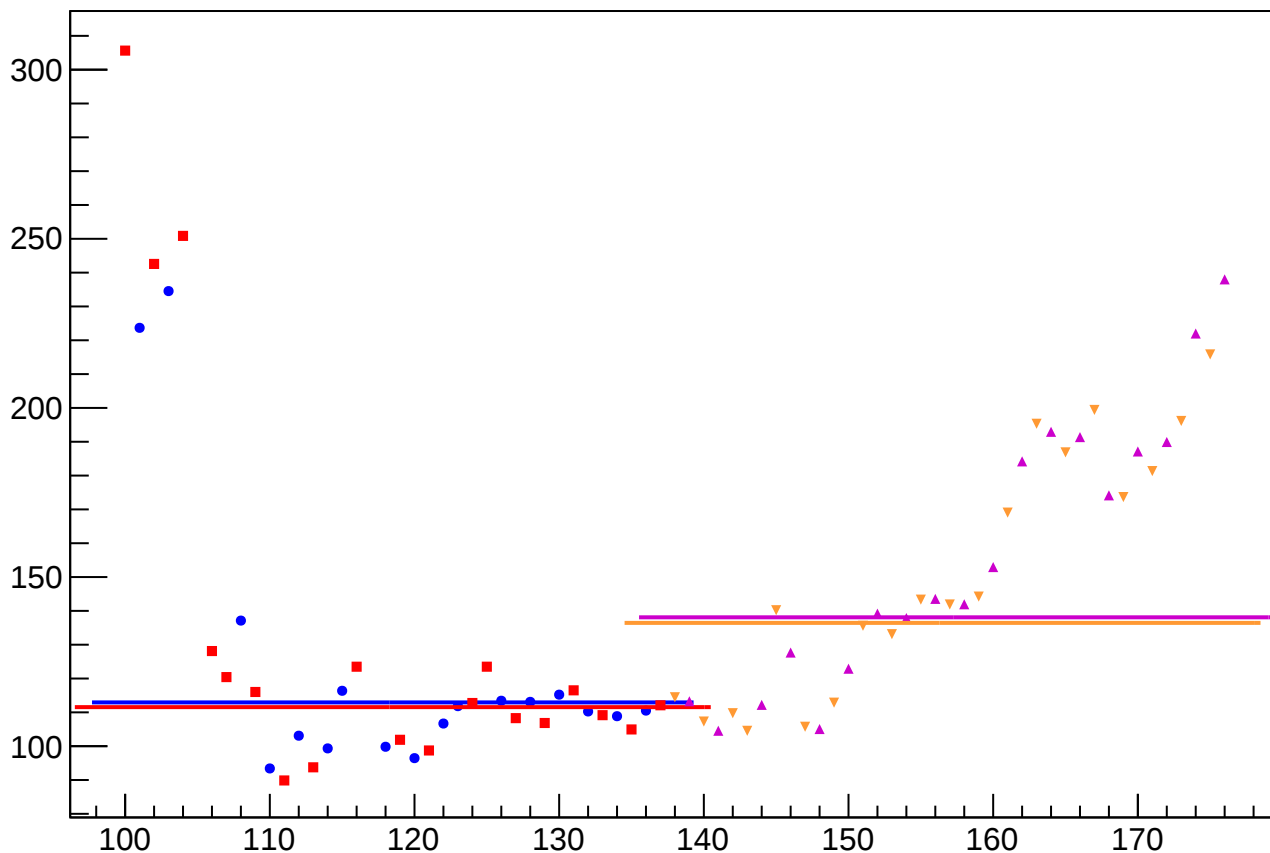
Left In: 6281.533 ± 37.434 $\chi^2/\text{NDF}: 17452.0/18$

+ sign -4543.333 ± 28.661 $\chi^2/\text{NDF}: 82287.6/36$

All: -119.479 ± 20.256 $\chi^2/\text{NDF}: 162840.7/74$

- sign 4295.407 ± 28.632 $\chi^2/\text{NDF}: 32952.1/37$

asym_bpm2i02WS_rms vs Slug



Right In: 112.940 $\pm$ 0.033 χ^2 /NDF: 680283.1/16

Left Out: 136.449 $\pm$ 0.026 χ^2 /NDF: 1496924.5/19

Right Out: 111.544 $\pm$ 0.031 χ^2 /NDF: 765502.6/18

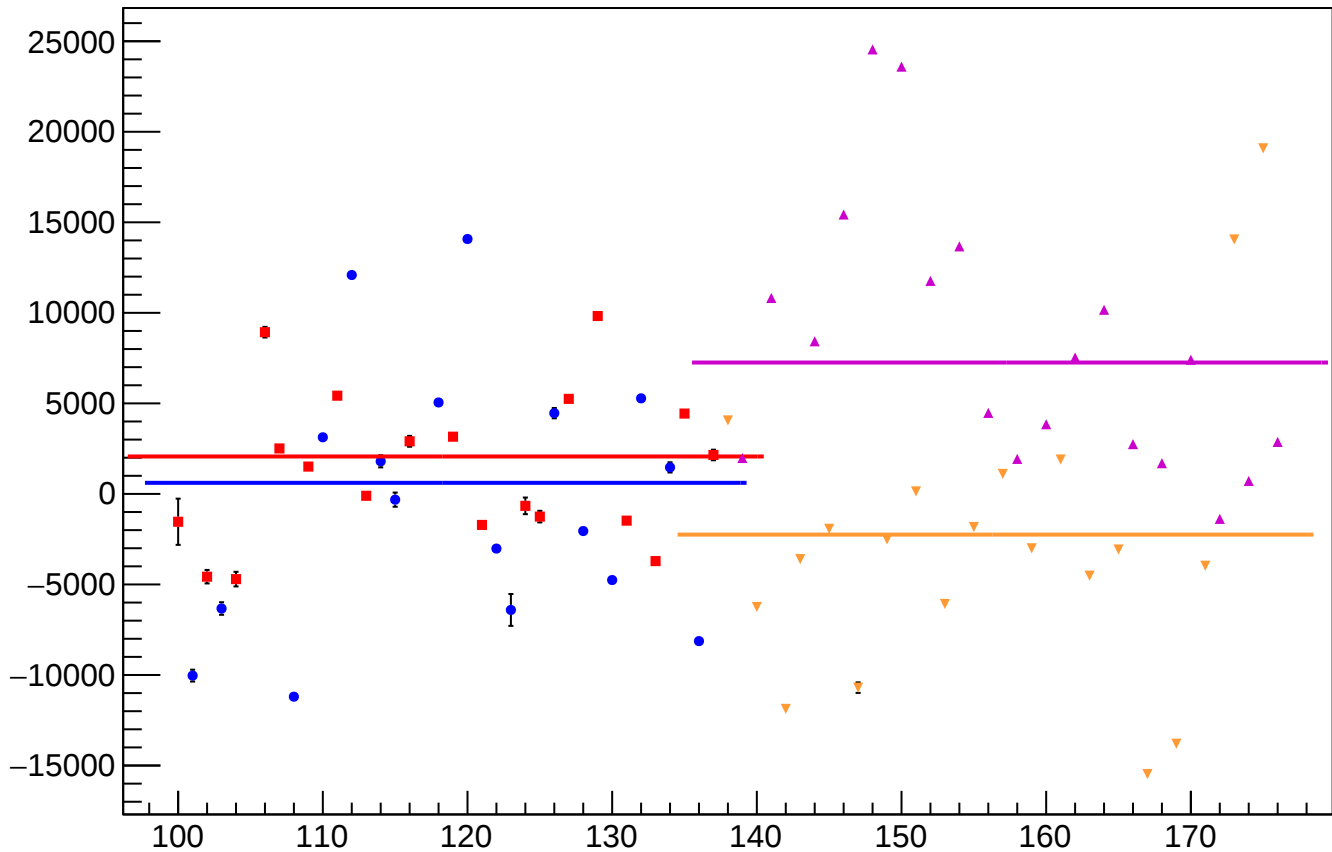
Left In: 138.096 $\pm$ 0.026 χ^2 /NDF: 1549503.3/18

+ sign 127.459 $\pm$ 0.020 χ^2 /NDF: 2495002.1/36

All: 127.268 $\pm$ 0.014 χ^2 /NDF: 5227771.1/74

- sign 127.076 $\pm$ 0.020 χ^2 /NDF: 2732590.5/37

asym_bpm0i01WS_mean vs Slug



Right In: 612.621+/-56.062 χ^2/NDF : 18243.4/16

Left Out: -2247.546+/-41.955 χ^2/NDF : 30884.0/19

Right Out: 2067.410+/-53.931 χ^2/NDF : 4642.7/18

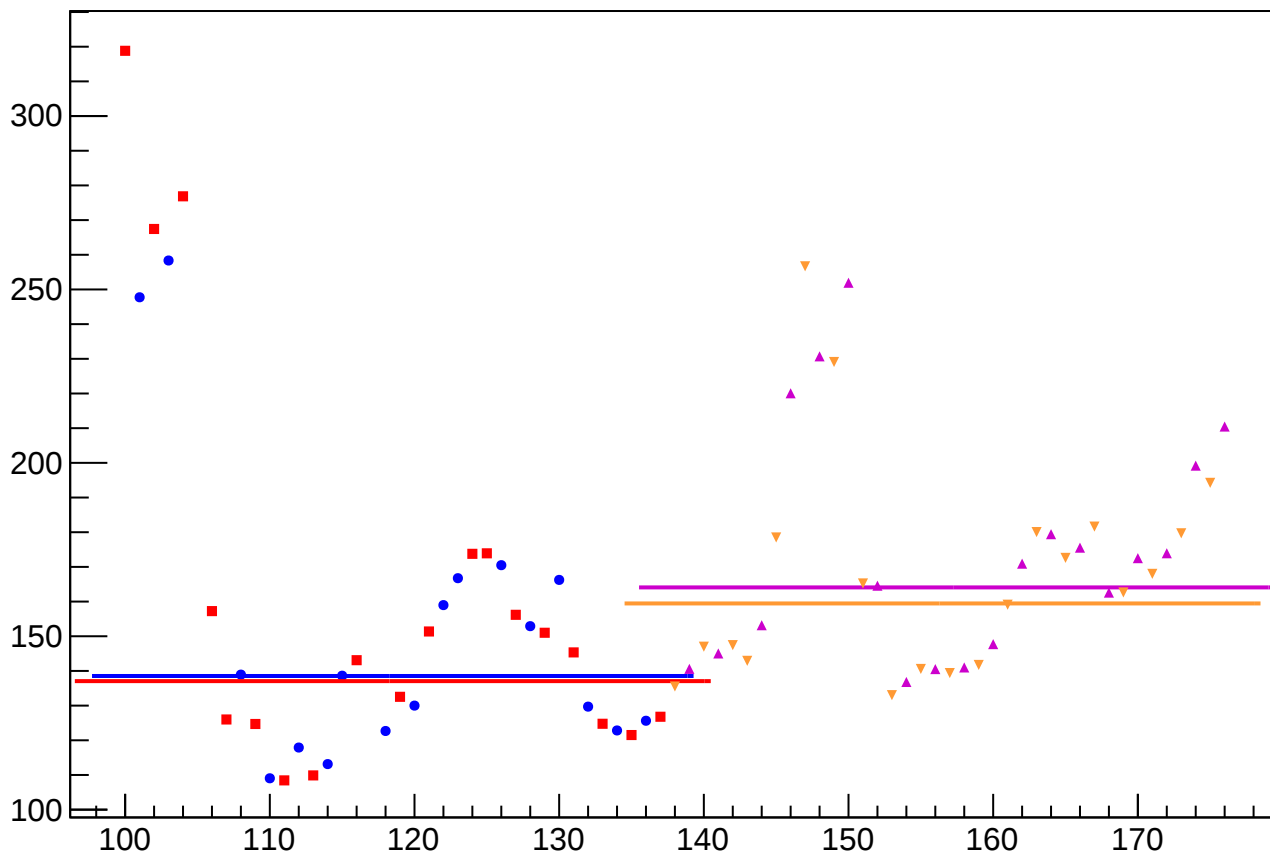
Left In: 7256.012+/-43.855 χ^2/NDF : 19179.9/18

+ sign -1220.763+/-33.590 χ^2/NDF : 50795.9/36

All: 1943.707+/-23.904 χ^2/NDF : 98172.3/74

- sign 5190.720+/-34.025 χ^2/NDF : 29394.4/37

asym_bpm0i01WS_rms vs Slug



Right In: 138.542 ± 0.040 χ^2/NDF : 668941.7/16

Left Out: 159.461 ± 0.030 χ^2/NDF : 742820.6/19

Right Out: 137.061 ± 0.038 χ^2/NDF : 755491.9/18

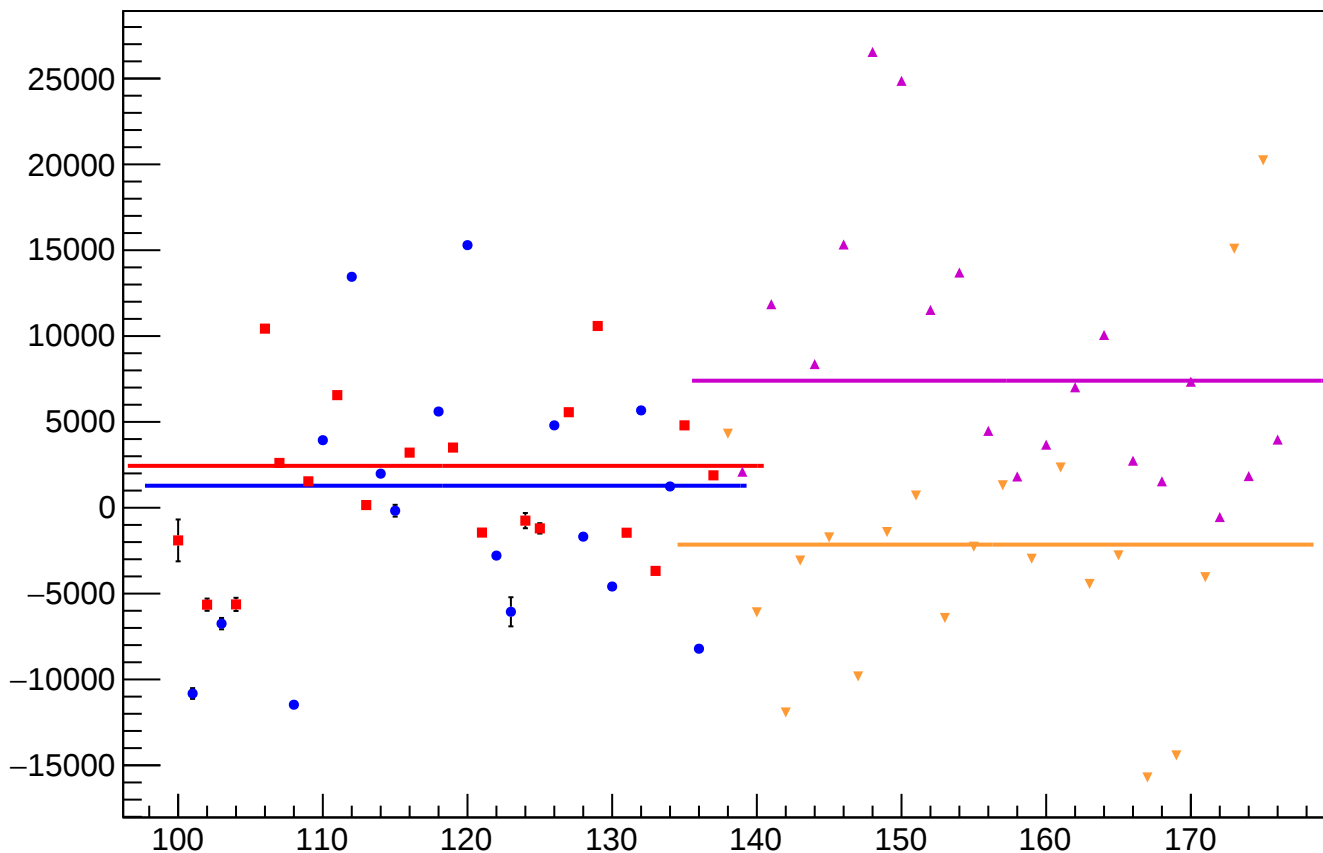
Left In: 164.085 ± 0.031 χ^2/NDF : 829739.3/18

+ sign 151.951 ± 0.024 χ^2/NDF : 1590261.6/36

All: 152.631 ± 0.017 χ^2/NDF : 3479443.5/74

- sign 153.328 ± 0.024 χ^2/NDF : 1887522.5/37

asym_bpm0i01aWS_mean vs Slug



Right In: 1282.978+/-46.572 χ^2/NDF : 30540.8/16

Left Out: -2147.125+/-37.727 χ^2/NDF : 38852.4/19

Right Out: 2440.256+/-44.286 χ^2/NDF : 7677.5/18

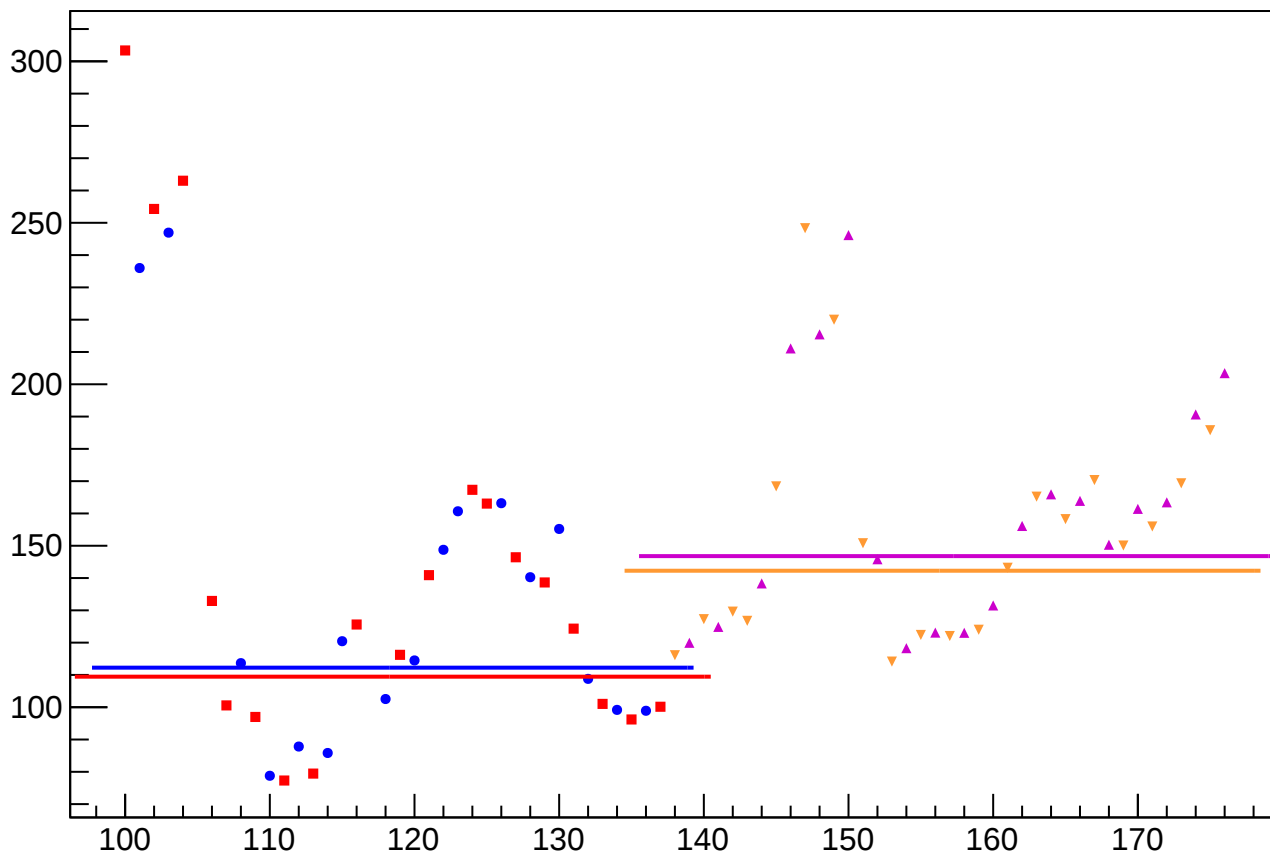
Left In: 7400.170+/-39.605 χ^2/NDF : 23848.7/18

+ sign -788.073+/-29.315 χ^2/NDF : 72668.4/36

All: 2183.033+/-20.802 χ^2/NDF : 131853.3/74

- sign 5196.131+/-29.522 χ^2/NDF : 38495.7/37

asym_bpm0i01aWS_rms vs Slug



Right In: 112.251+/-0.033 χ^2/NDF : 1125537.4/16

Left Out: 142.266+/-0.027 χ^2/NDF :1086204.3/19

Right Out: 109.460+/-0.031 χ^2/NDF : 1269633.4/18

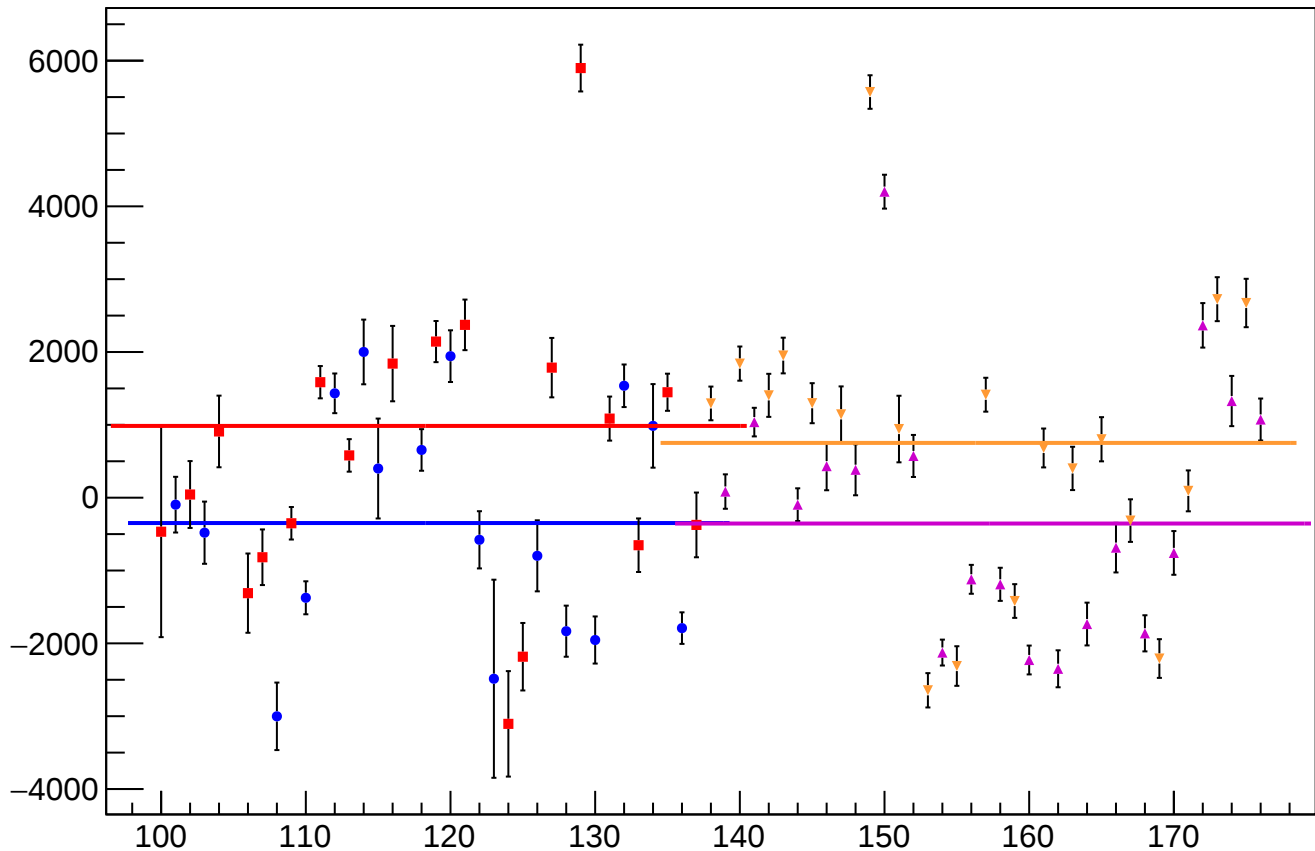
Left In: 146.790+/-0.028 χ^2/NDF :1193134.0/18

+ sign 130.373+/-0.021 χ^2/NDF : 2713323.9/36

All: 130.288+/-0.015 χ^2/NDF : 5965709.2/74

- sign 130.202+/-0.021 χ^2/NDF : 3252351.3/37

asym_bpm0l01WS_mean vs Slug



Right In: -348.055 ± 83.826 χ^2/NDF : 317.3/16

Left Out: 752.044 ± 60.622 χ^2/NDF : 1149.9/19

Right Out: 985.242 ± 77.683 χ^2/NDF : 476.6/18

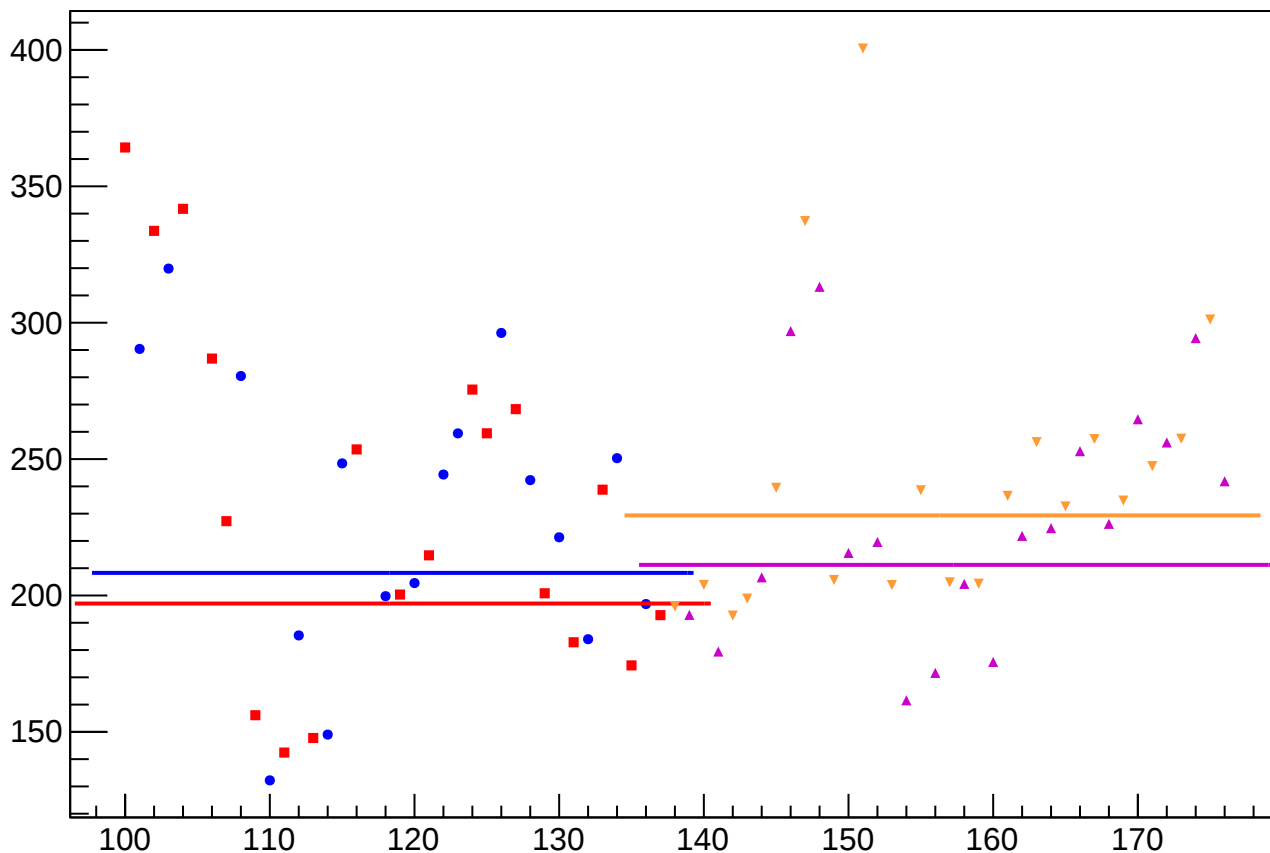
Left In: -354.818 ± 57.015 χ^2/NDF : 927.5/18

+ sign 374.266 ± 49.123 χ^2/NDF : 1580.3/36

All: 235.668 ± 33.563 χ^2/NDF : 3192.7/74

- sign -114.322 ± 45.964 χ^2/NDF : 1597.5/37

asym_bpm0l01WS_rms vs Slug



Right In: 208.288+/-0.059 χ^2/NDF : 698491.0/16

Left Out: 229.359+/-0.043 χ^2/NDF : 817354.9/19

Right Out: 197.051+/-0.055 χ^2/NDF : 926786.6/18

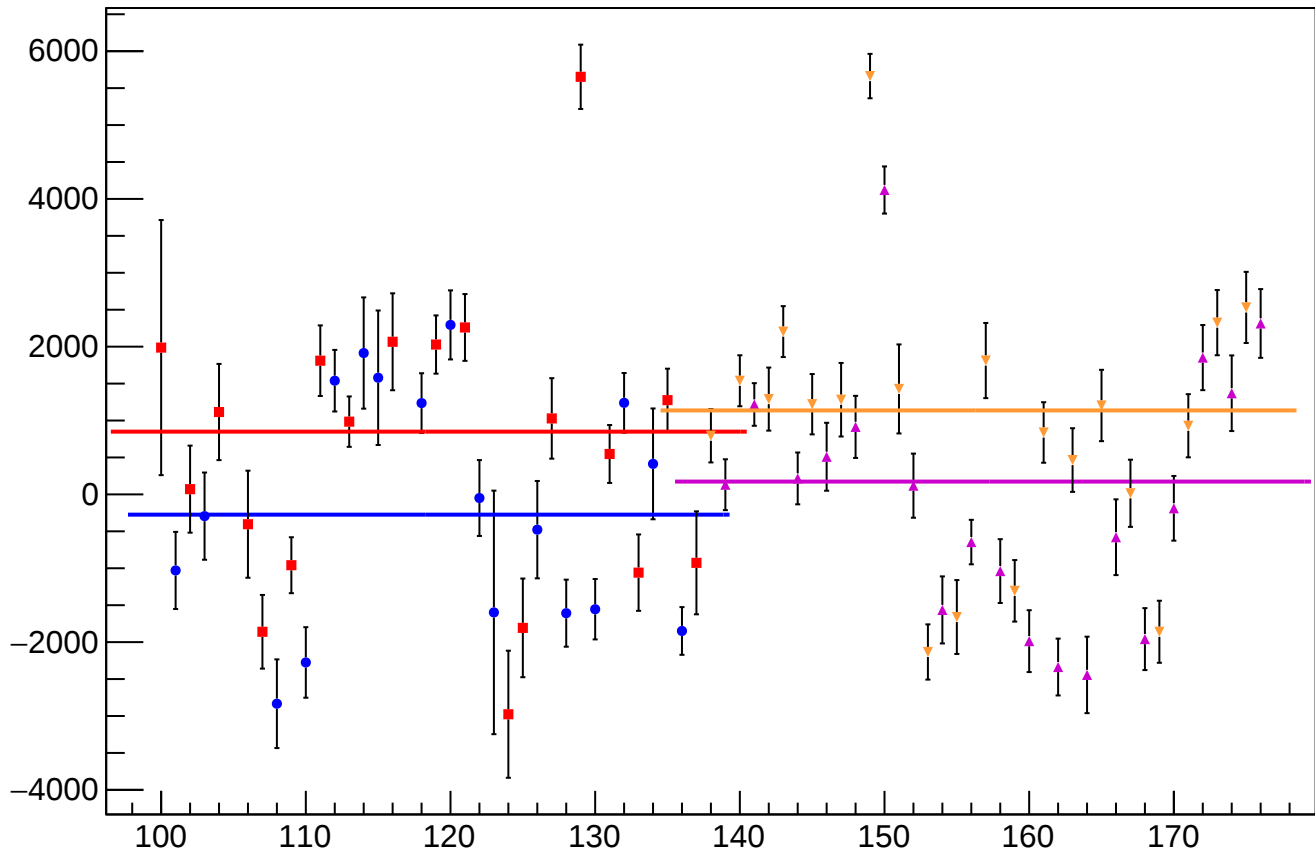
Left In: 211.220+/-0.040 χ^2/NDF : 963417.5/18

+ sign 222.123+/-0.035 χ^2/NDF : 1598819.7/36

All: 213.665+/-0.024 χ^2/NDF : 3643468.7/74

- sign 206.260+/-0.033 χ^2/NDF : 1933446.8/37

asym_bpm0l02WS_mean vs Slug



Right In: -274.260 ± 121.326 $\chi^2/\text{NDF}: 171.6/16$

Left Out: 1136.728 ± 92.997 $\chi^2/\text{NDF}: 459.0/19$

Right Out: 849.413 ± 115.349 $\chi^2/\text{NDF}: 263.3/18$

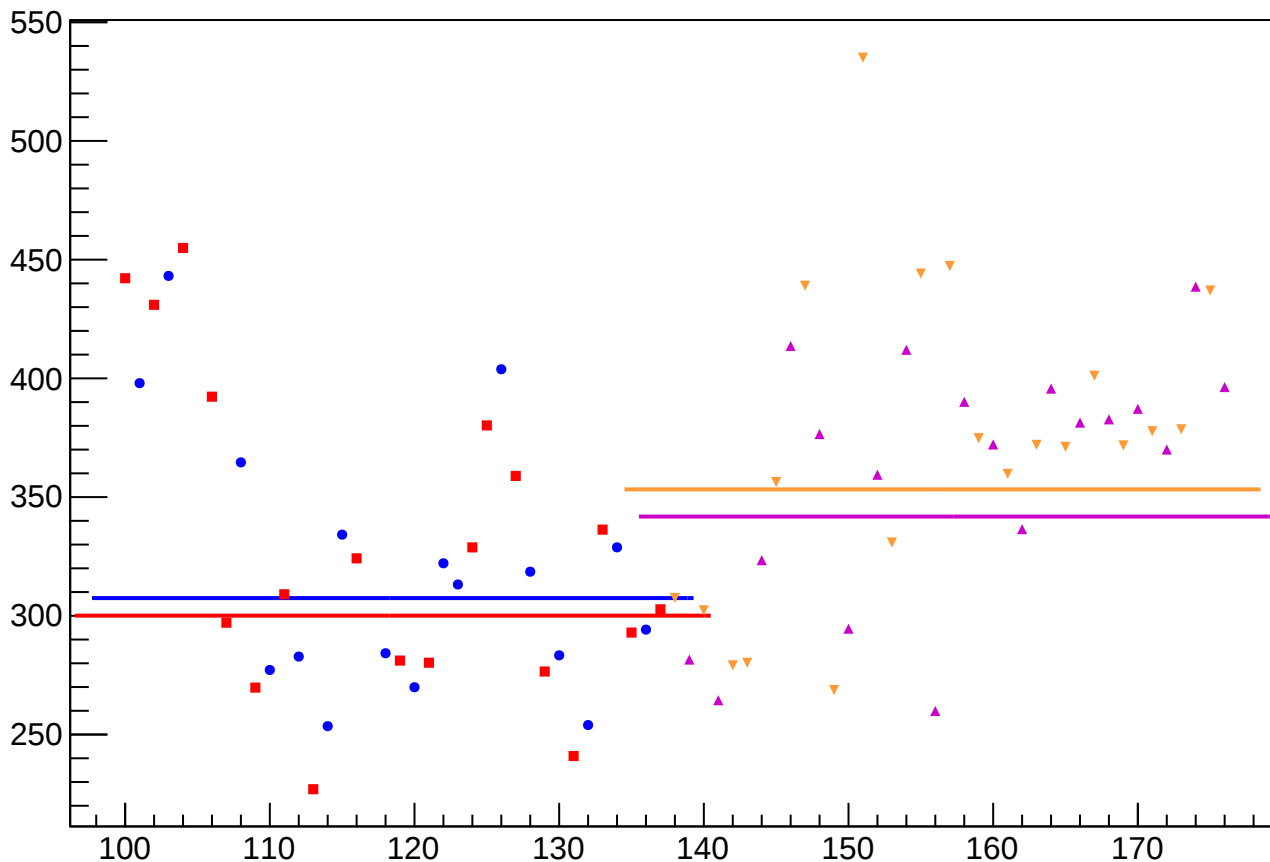
Left In: 173.434 ± 91.360 $\chi^2/\text{NDF}: 364.3/18$

+ sign 614.531 ± 73.809 $\chi^2/\text{NDF}: 715.7/36$

All: 521.556 ± 51.399 $\chi^2/\text{NDF}: 1367.5/74$

- sign 434.019 ± 71.618 $\chi^2/\text{NDF}: 648.7/37$

asym_bpm0l02WS_rms vs Slug



Right In: 307.468 $\pm$ 0.086 χ^2 /NDF: 323096.7/16

Left Out: 353.242 $\pm$ 0.066 χ^2 /NDF: 879040.7/19

Right Out: 300.069 $\pm$ 0.082 χ^2 /NDF: 490398.9/18

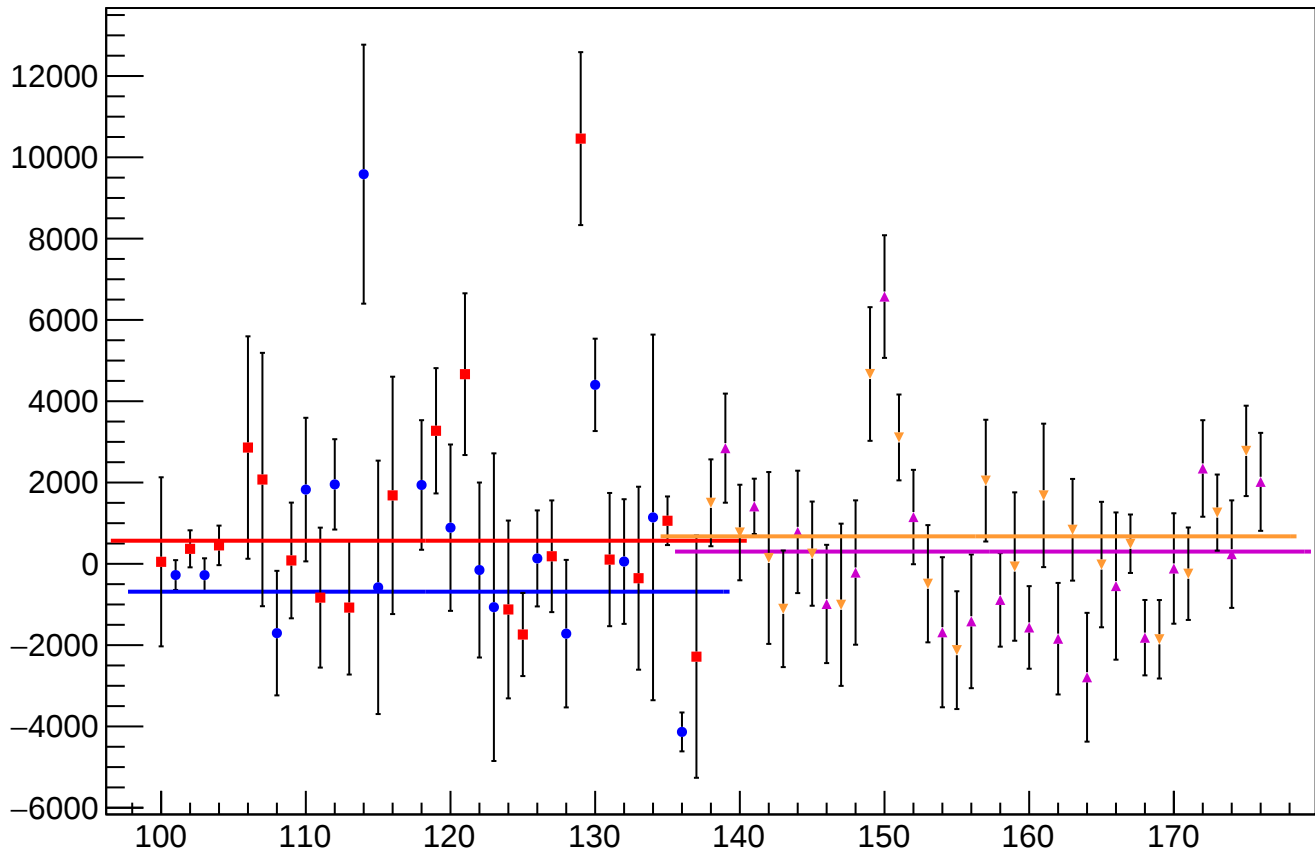
Left In: 341.811 $\pm$ 0.065 χ^2 /NDF: 733009.2/18

+ sign 336.301 $\pm$ 0.052 χ^2 /NDF: 1381462.1/36

All: 330.851 $\pm$ 0.036 χ^2 /NDF: 2786985.8/74

- sign 325.720 $\pm$ 0.051 χ^2 /NDF: 1384353.1/37

asym_bpm0l03WS_mean vs Slug



Right In: -685.056 ± 210.341 χ^2/NDF : 97.4/16

Left Out: 676.167 ± 274.727 χ^2/NDF : 31.7/19

Right Out: 568.651 ± 243.251 χ^2/NDF : 39.7/18

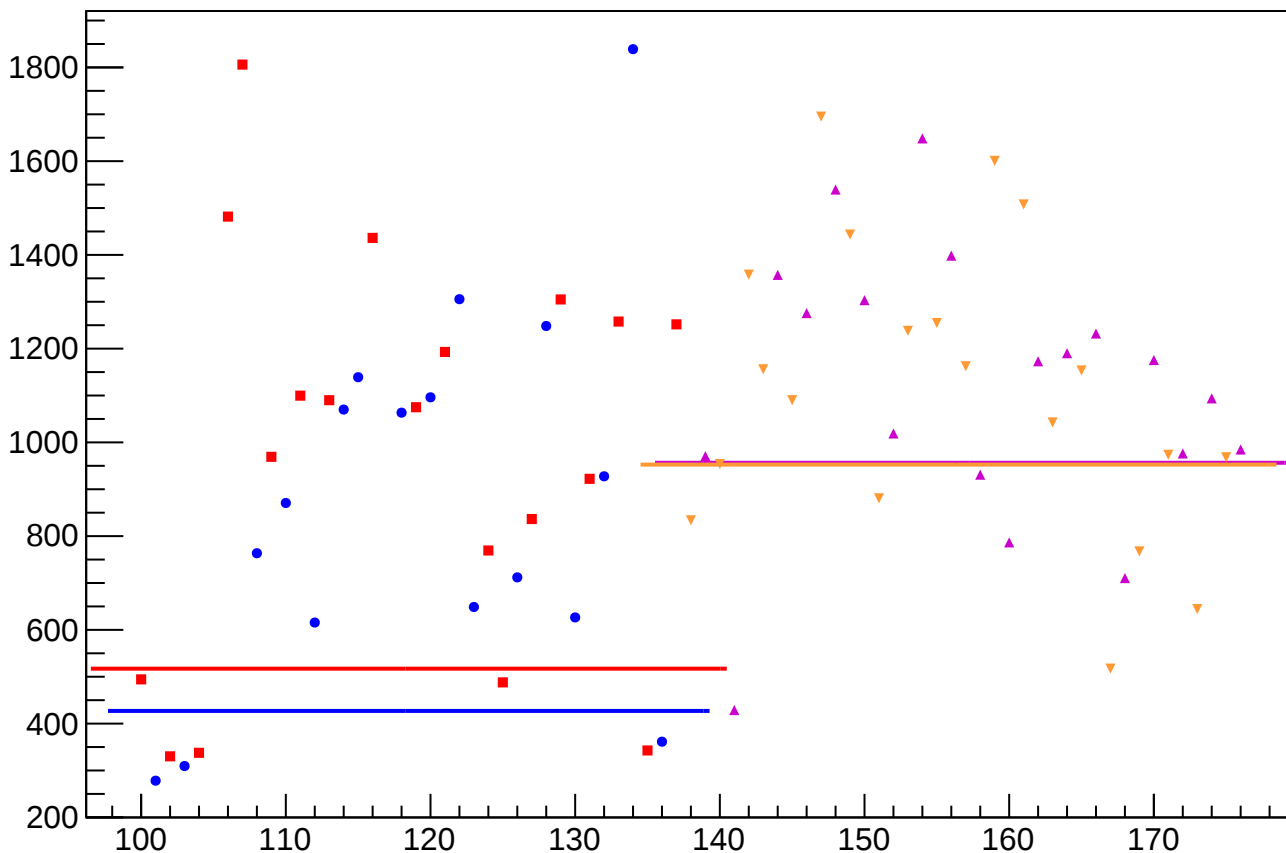
Left In: 301.336 ± 283.718 χ^2/NDF : 48.5/18

+ sign -182.001 ± 167.011 χ^2/NDF : 144.6/36

All: 104.775 ± 123.868 χ^2/NDF : 239.9/74

- sign 455.401 ± 184.669 χ^2/NDF : 88.7/37

asym_bpm0l03WS_rms vs Slug



Right In: 427.079+/-0.149 χ^2/NDF : 2865678.7/16

Left Out: 952.606+/-0.194 χ^2/NDF : 2348787.3/19

Right Out: 517.234+/-0.172 χ^2/NDF : 3605111.9/18

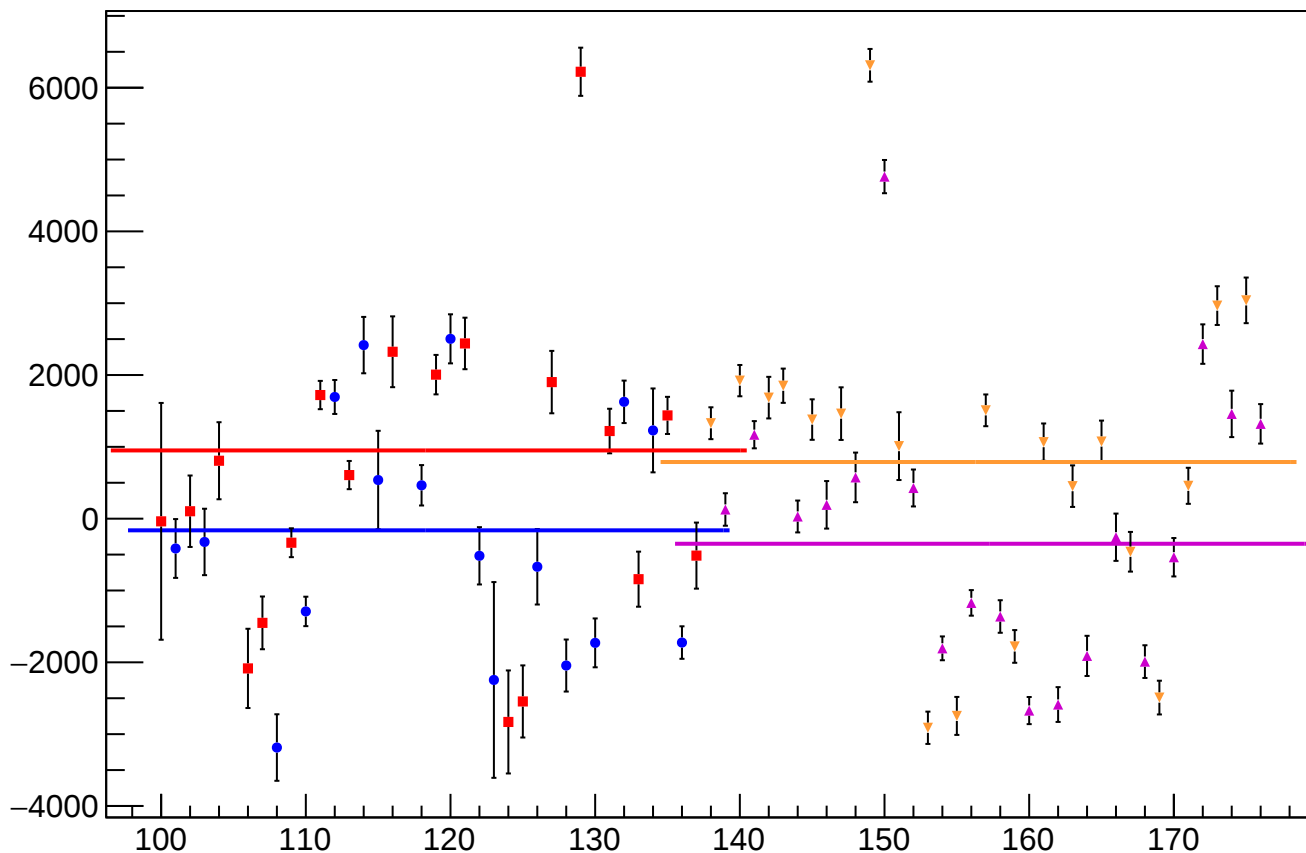
Left In: 956.501+/-0.201 χ^2/NDF : 2605491.8/18

+ sign 621.293+/-0.118 χ^2/NDF : 9828262.7/36

All: 658.204+/-0.088 χ^2/NDF : 19019067.9/74

- sign 703.333+/-0.131 χ^2/NDF : 8973674.3/37

asym_bpm0l04WS_mean vs Slug



Right In: -162.333 ± 82.350 χ^2/NDF : 387.6/16

Left Out: 788.973 ± 57.947 χ^2/NDF : 1580.5/19

Right Out: 950.093 ± 75.133 χ^2/NDF : 539.8/18

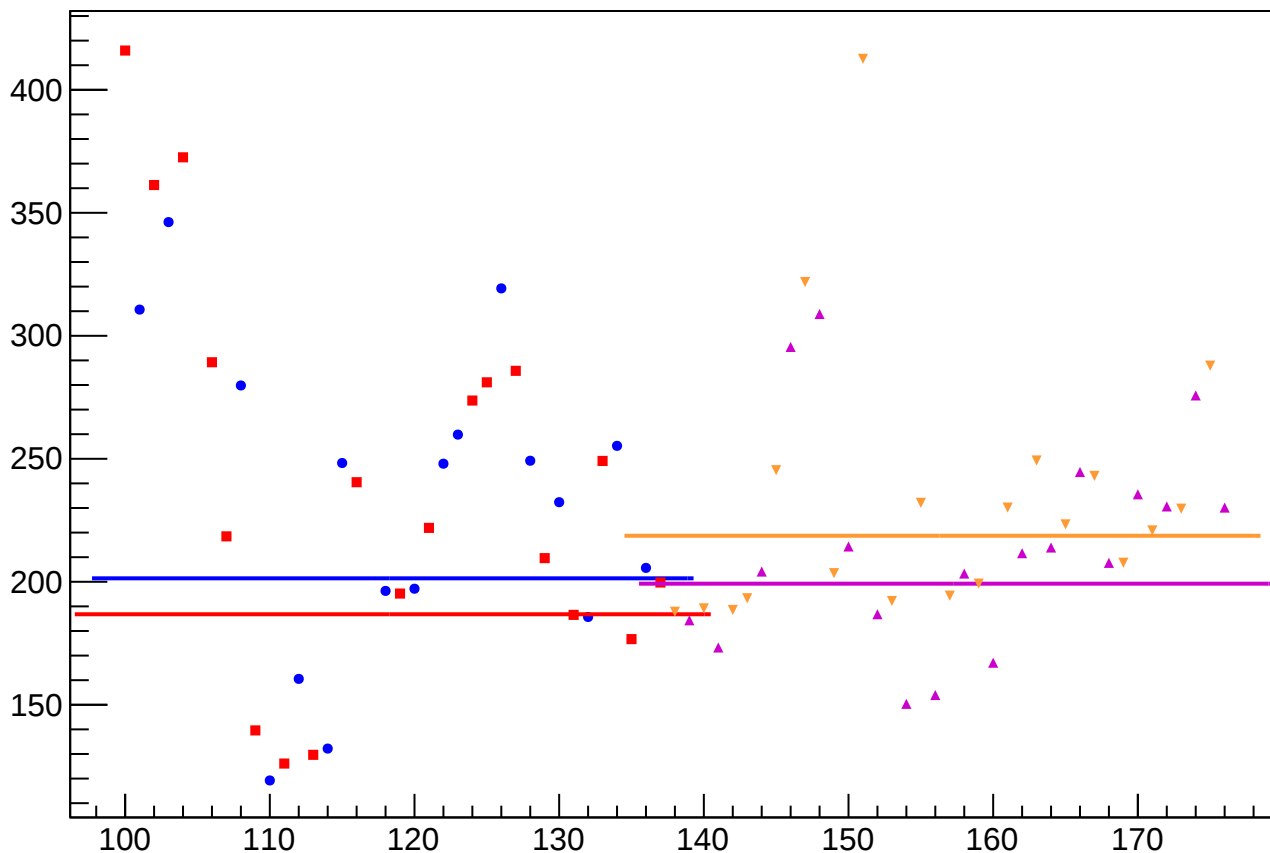
Left In: -349.257 ± 54.004 χ^2/NDF : 1187.9/18

+ sign 473.927 ± 47.391 χ^2/NDF : 2057.3/36

All: 268.903 ± 32.186 χ^2/NDF : 4016.9/74

- sign 93.359 ± 43.851 χ^2/NDF : 1924.9/37

asym_bpm0l04WS_rms vs Slug



Right In: 201.409 $\pm$ 0.058 χ^2 /NDF: 1056022.1/16

Left Out: 218.715 $\pm$ 0.041 χ^2 /NDF: 859528.6/19

Right Out: 186.797 $\pm$ 0.053 χ^2 /NDF: 1393162.0/18

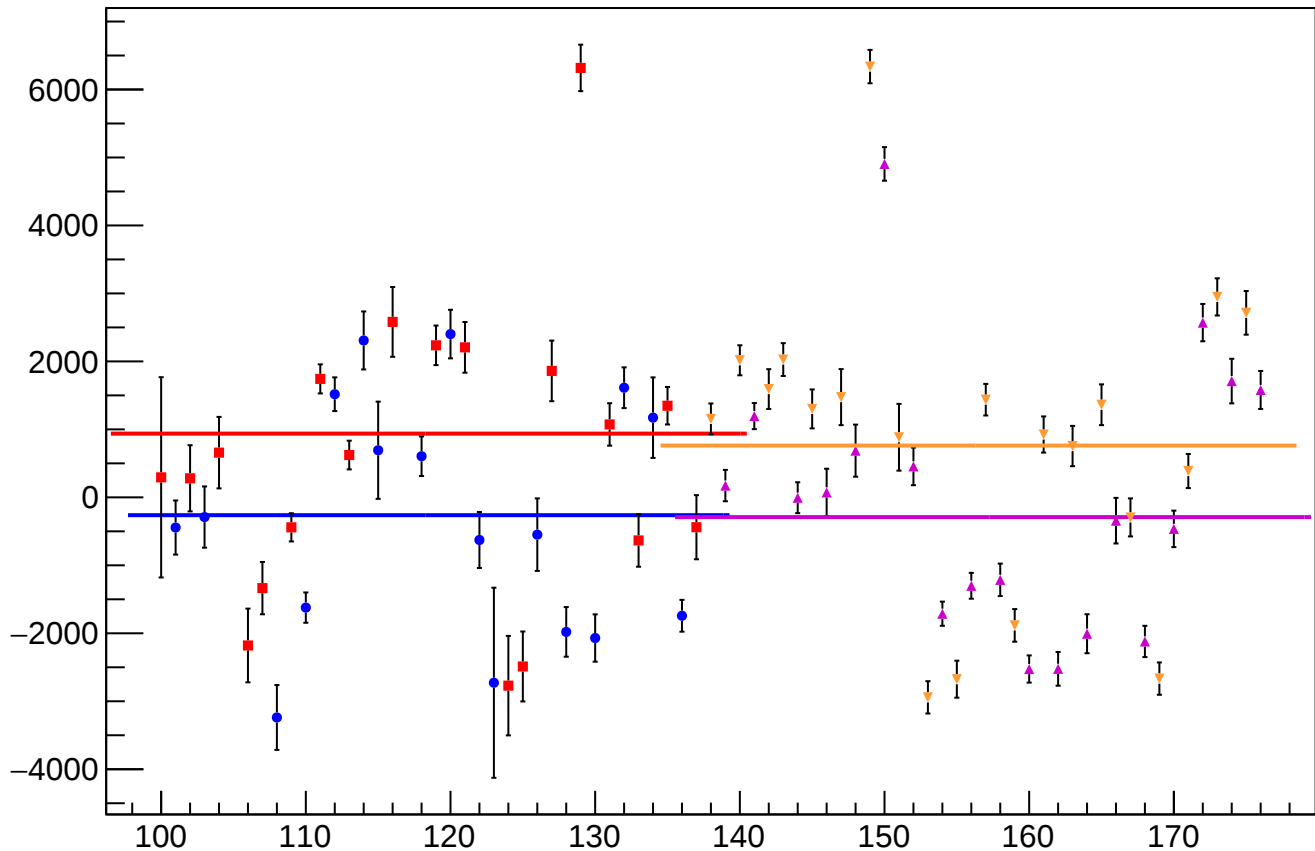
Left In: 199.232 $\pm$ 0.038 χ^2 /NDF: 1044324.7/18

+ sign 212.984 $\pm$ 0.034 χ^2 /NDF: 1974626.6/36

All: 203.293 $\pm$ 0.023 χ^2 /NDF: 4603462.9/74

- sign 194.996 $\pm$ 0.031 χ^2 /NDF: 2473605.5/37

asym_bpm0l05WS_mean vs Slug



Right In: -262.324 ± 85.433 χ^2/NDF : 368.7/16

Left Out: 761.971 ± 59.691 χ^2/NDF : 1454.3/19

Right Out: 937.678 ± 78.434 χ^2/NDF : 521.9/18

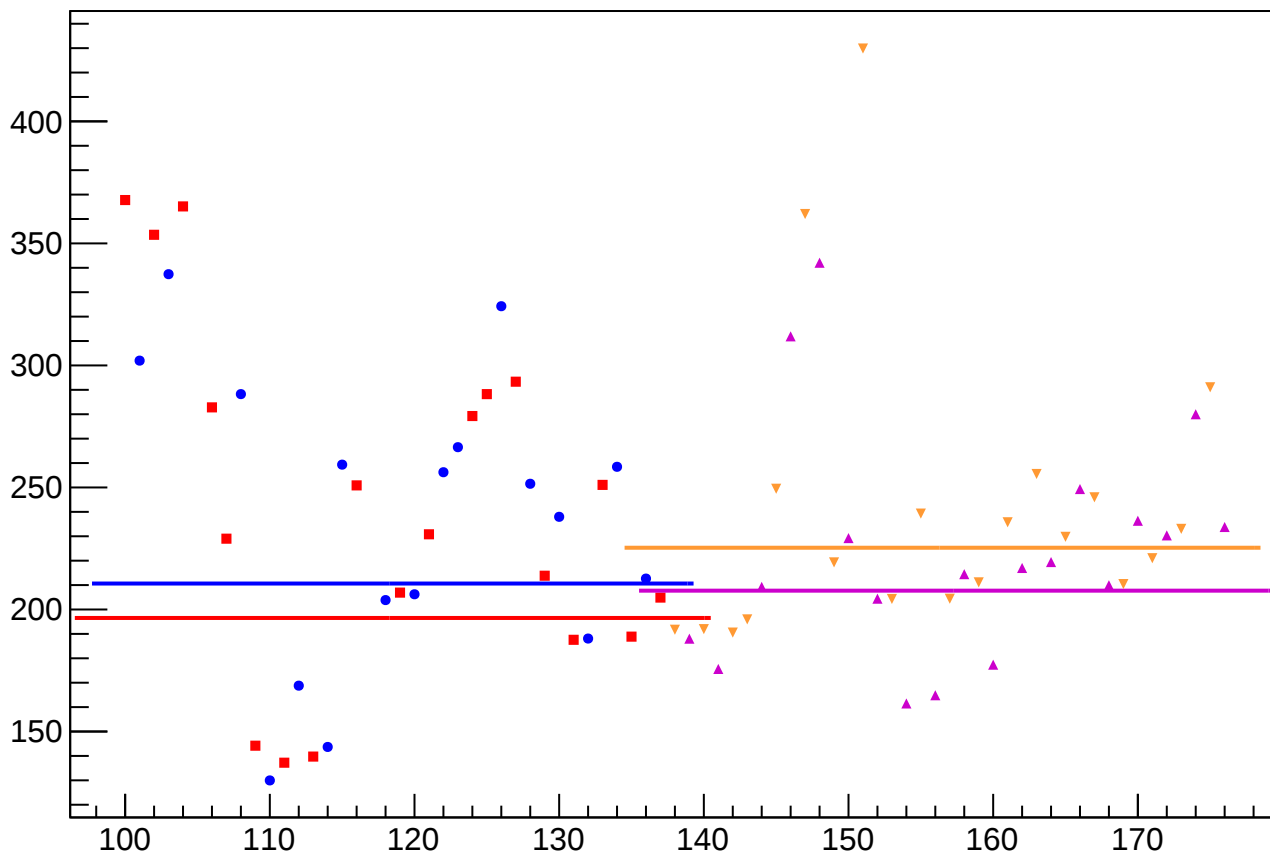
Left In: -290.770 ± 56.170 χ^2/NDF : 1124.1/18

+ sign 425.969 ± 48.931 χ^2/NDF : 1919.6/36

All: 265.476 ± 33.386 χ^2/NDF : 3747.9/74

- sign 125.679 ± 45.667 χ^2/NDF : 1808.1/37

asym_bpm0l05WS_rms vs Slug



Right In: 210.636 $\pm$ 0.060 χ^2 /NDF: 875776.4/16

Left Out: 225.302 $\pm$ 0.042 χ^2 /NDF: 902544.9/19

Right Out: 196.528 $\pm$ 0.055 χ^2 /NDF: 1205091.0/18

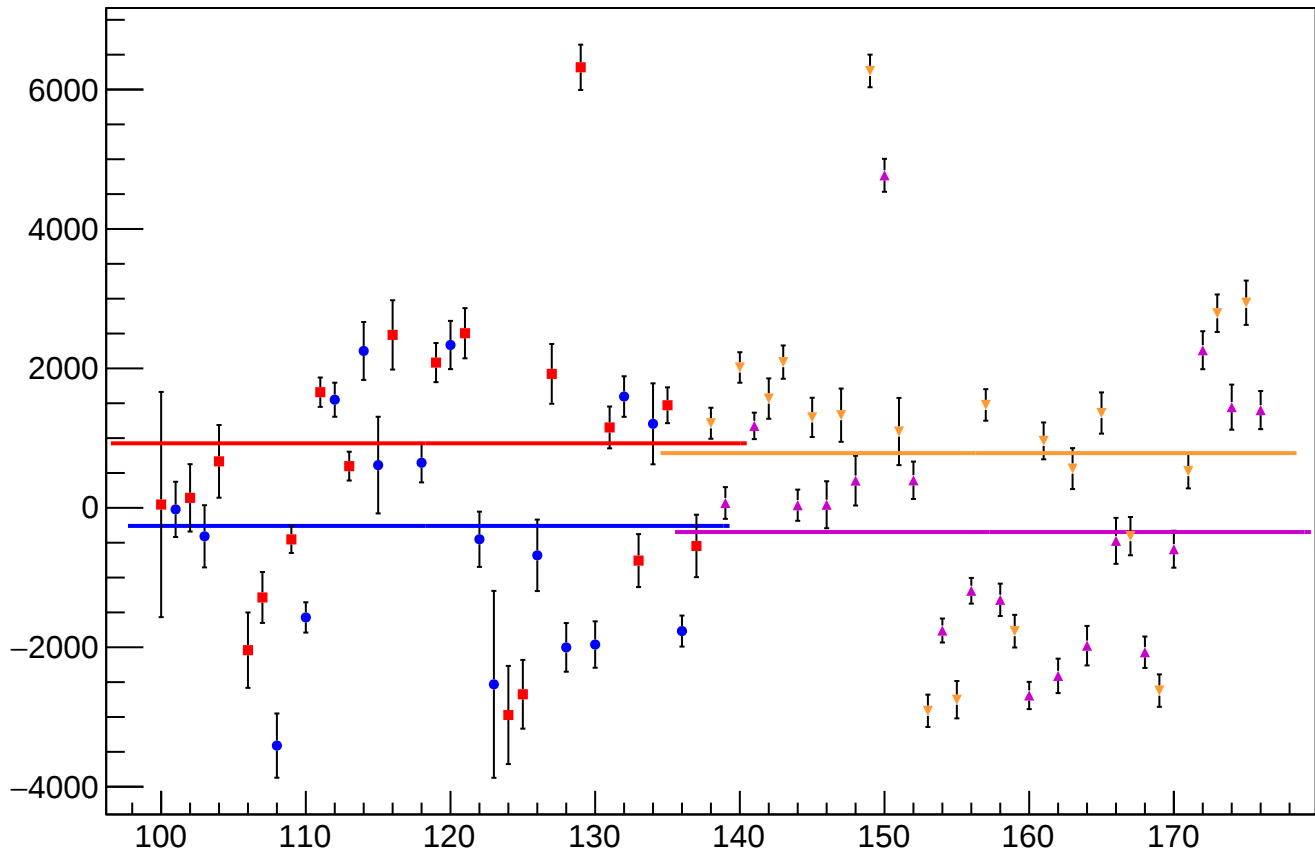
Left In: 207.715 $\pm$ 0.040 χ^2 /NDF: 983374.0/18

+ sign 220.491 $\pm$ 0.035 χ^2 /NDF: 1817925.3/36

All: 211.636 $\pm$ 0.024 χ^2 /NDF: 4155835.4/74

- sign 203.923 $\pm$ 0.032 χ^2 /NDF: 2215357.7/37

asym_bpm0l06WS_mean vs Slug



Right In: -259.139 ± 82.802 χ^2/NDF : 391.2/16

Left Out: 784.737 ± 58.512 χ^2/NDF : 1524.0/19

Right Out: 925.534 ± 75.503 χ^2/NDF : 581.9/18

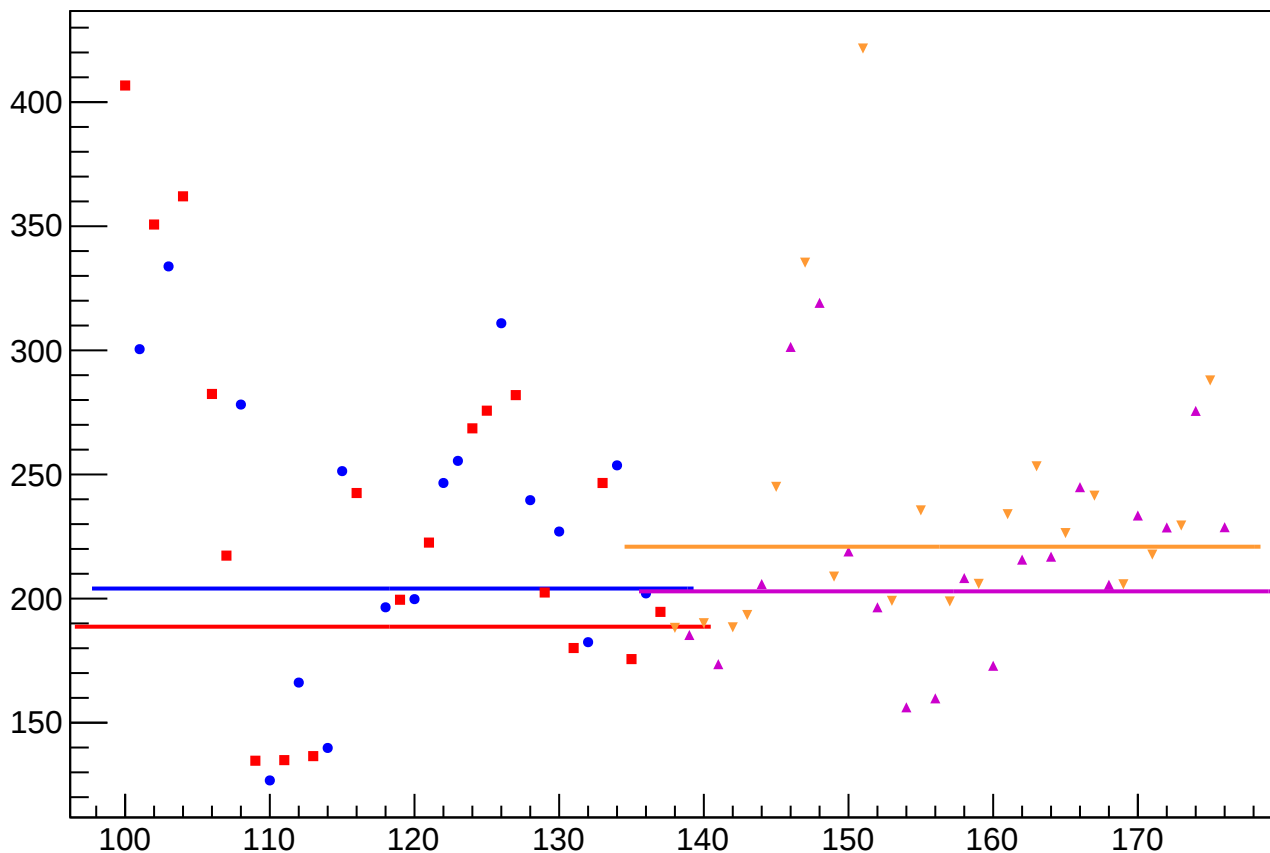
Left In: -347.086 ± 54.887 χ^2/NDF : 1128.1/18

+ sign 437.078 ± 47.785 χ^2/NDF : 2021.3/36

All: 252.362 ± 32.525 χ^2/NDF : 3945.0/74

- sign 92.918 ± 44.396 χ^2/NDF : 1895.9/37

asym_bpm0l06WS_rms vs Slug



Right In: 204.051 $\pm$ 0.059 χ^2 /NDF: 868423.0/16

Left Out: 220.903 $\pm$ 0.041 χ^2 /NDF: 872700.1/19

+ sign 215.290 $\pm$ 0.034 χ^2 /NDF: 1796371.7/36

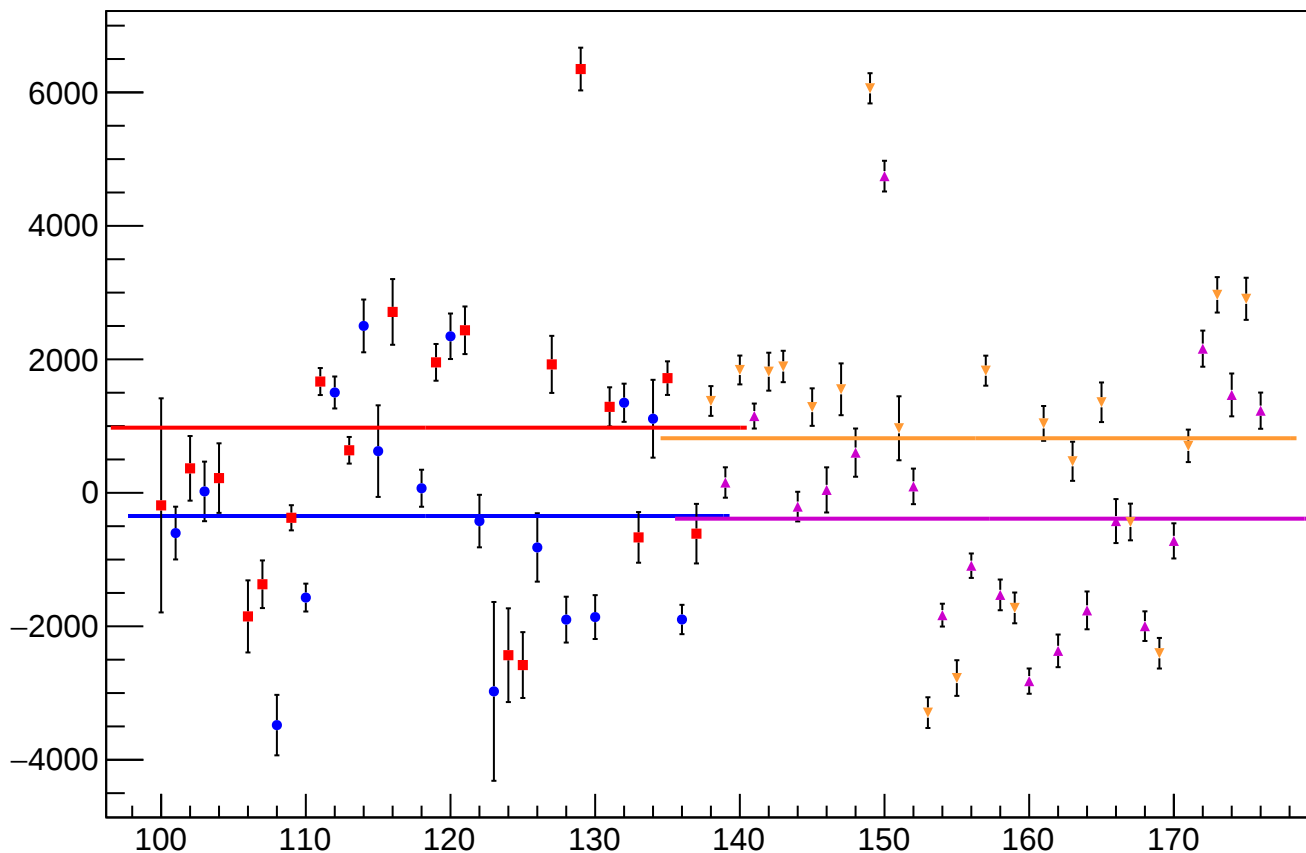
Right Out: 188.681 $\pm$ 0.053 χ^2 /NDF: 1251107.4/18

All: 206.006 $\pm$ 0.023 χ^2 /NDF: 4198693.6/74

Left In: 202.913 $\pm$ 0.039 χ^2 /NDF: 964052.9/18

- sign 197.992 $\pm$ 0.031 χ^2 /NDF: 2261653.6/37

asym_bpm0l07WS_mean vs Slug



Right In: -347.240 ± 81.318 χ^2/NDF : 399.1/16

Left Out: 818.001 ± 57.965 χ^2/NDF : 1578.6/19

Right Out: 976.286 ± 73.889 χ^2/NDF : 585.7/18

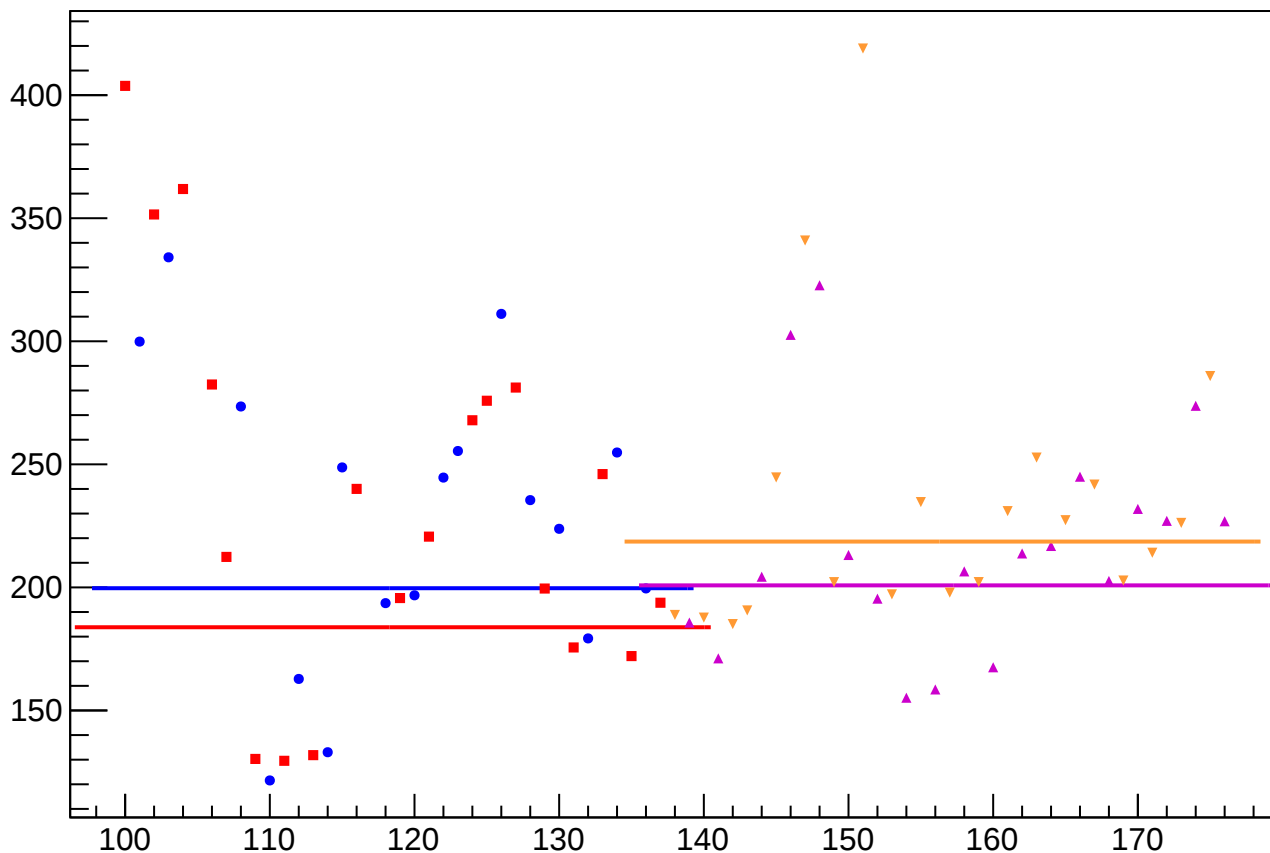
Left In: -387.318 ± 54.371 χ^2/NDF : 1160.7/18

+ sign 425.408 ± 47.201 χ^2/NDF : 2113.8/36

All: 246.058 ± 32.103 χ^2/NDF : 4108.0/74

- sign 91.674 ± 43.792 χ^2/NDF : 1967.3/37

asym_bpm0l07WS_rms vs Slug



Right In: 199.669 $\pm$ 0.058 χ^2 /NDF: 943155.1/16

Left Out: 218.622 $\pm$ 0.041 χ^2 /NDF: 910482.5/19

Right Out: 183.808 $\pm$ 0.052 χ^2 /NDF: 1349625.1/18

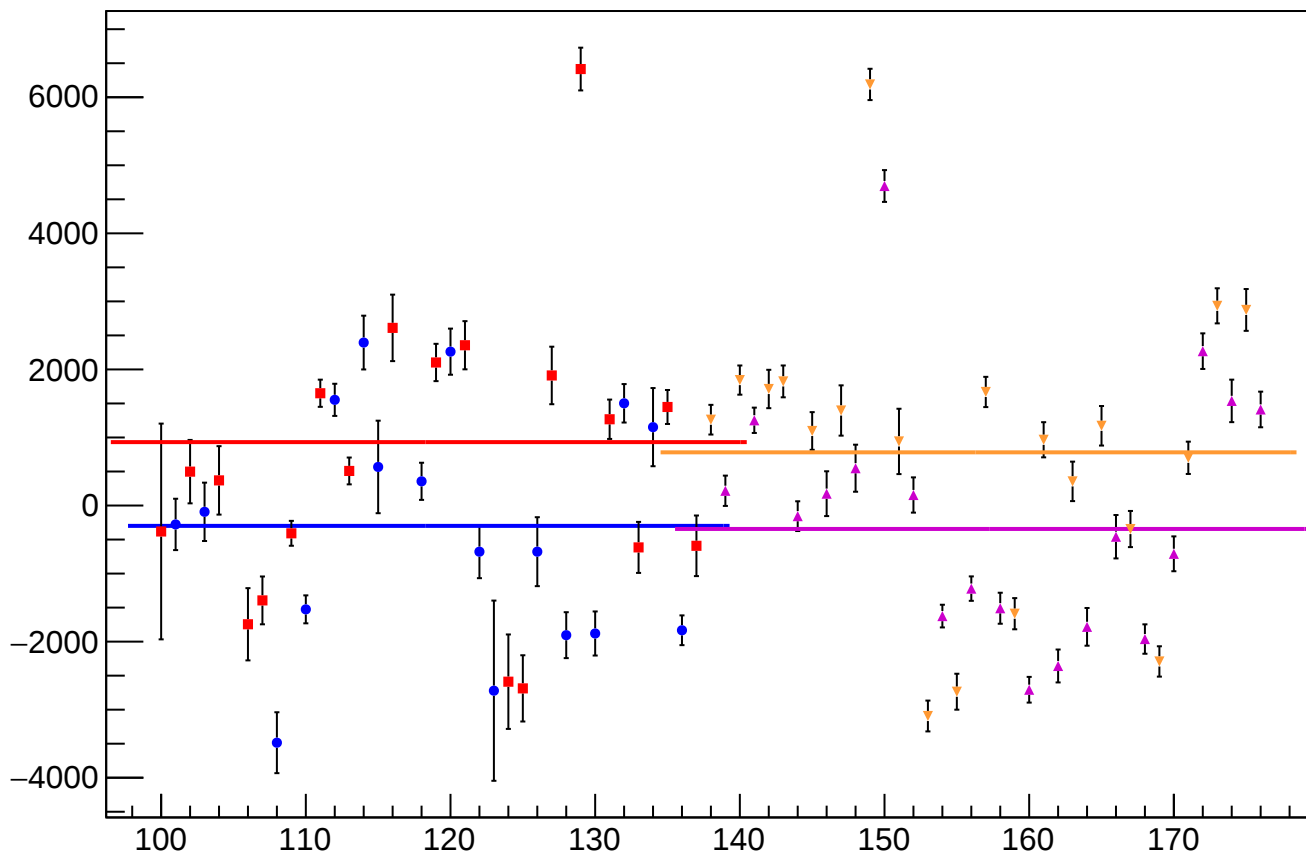
Left In: 200.823 $\pm$ 0.038 χ^2 /NDF: 1003562.9/18

+ sign 212.237 $\pm$ 0.033 χ^2 /NDF: 1925680.0/36

All: 202.891 $\pm$ 0.023 χ^2 /NDF: 4493564.8/74

- sign 194.846 $\pm$ 0.031 χ^2 /NDF: 2421988.8/37

asym_bpm0l08WS_mean vs Slug



Right In: -298.963 ± 80.162 χ^2/NDF : 406.6/16

Left Out: 781.683 ± 57.102 χ^2/NDF : 1538.4/19

Right Out: 931.843 ± 72.751 χ^2/NDF : 614.8/18

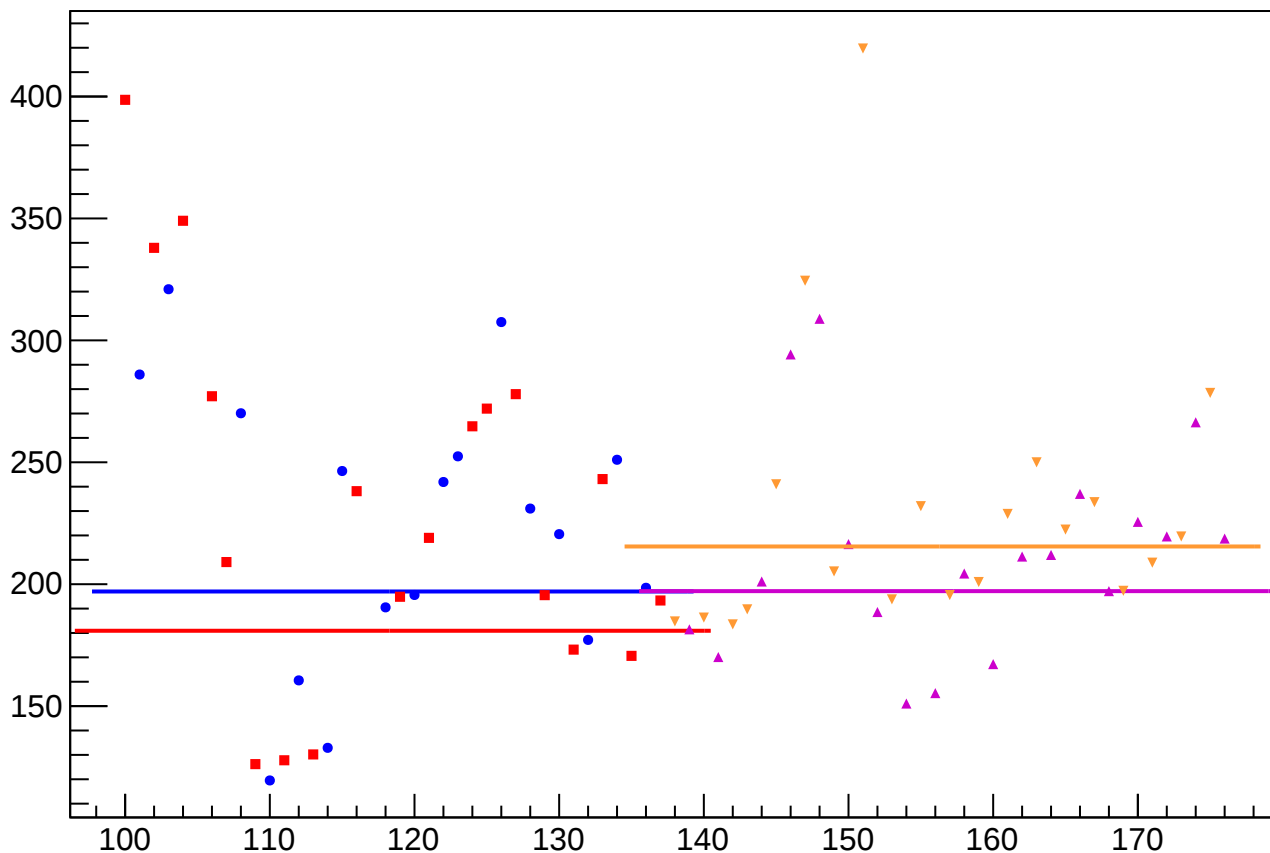
Left In: -344.203 ± 53.366 χ^2/NDF : 1159.8/18

+ sign 417.918 ± 46.509 χ^2/NDF : 2065.6/36

All: 247.815 ± 31.585 χ^2/NDF : 4065.1/74

- sign 102.208 ± 43.030 χ^2/NDF : 1974.7/37

asym_bpm0l08WS_rms vs Slug



Right In: 197.013 $\pm$ 0.057 χ^2 /NDF: 911923.5/16

Left Out: 215.470 $\pm$ 0.040 χ^2 /NDF: 877293.9/19

Right Out: 180.906 $\pm$ 0.051 χ^2 /NDF: 1345685.7/18

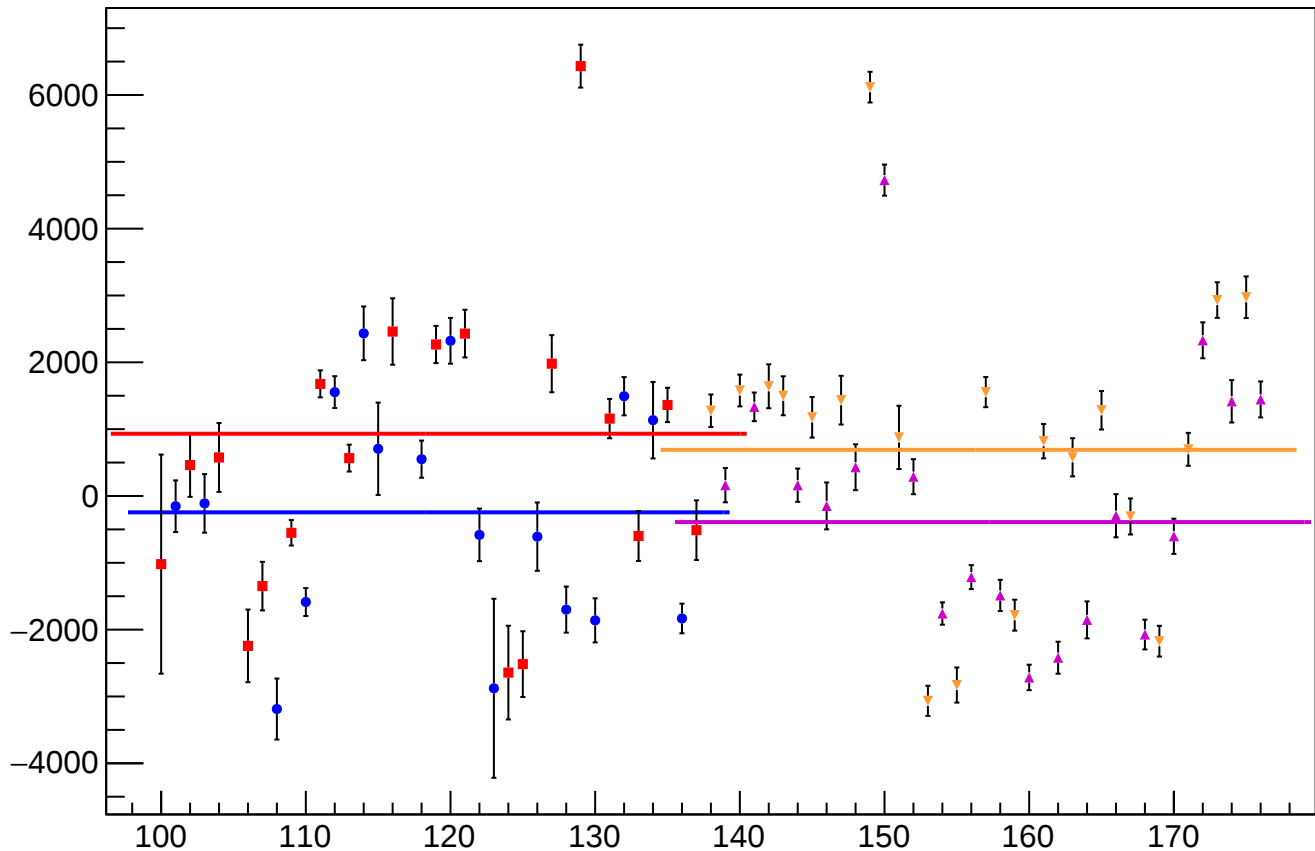
Left In: 197.159 $\pm$ 0.038 χ^2 /NDF: 959961.0/18

+ sign 209.257 $\pm$ 0.033 χ^2 /NDF: 1859553.0/36

All: 199.675 $\pm$ 0.022 χ^2 /NDF: 4387663.1/74

- sign 191.473 $\pm$ 0.030 χ^2 /NDF: 2370542.7/37

asym_bpm0l09WS_mean vs Slug



Right In: -244.925 ± 81.395 χ^2/NDF : 391.4/16

Left Out: 690.778 ± 59.451 χ^2/NDF : 1485.3/19

Right Out: 931.272 ± 74.206 χ^2/NDF : 609.7/18

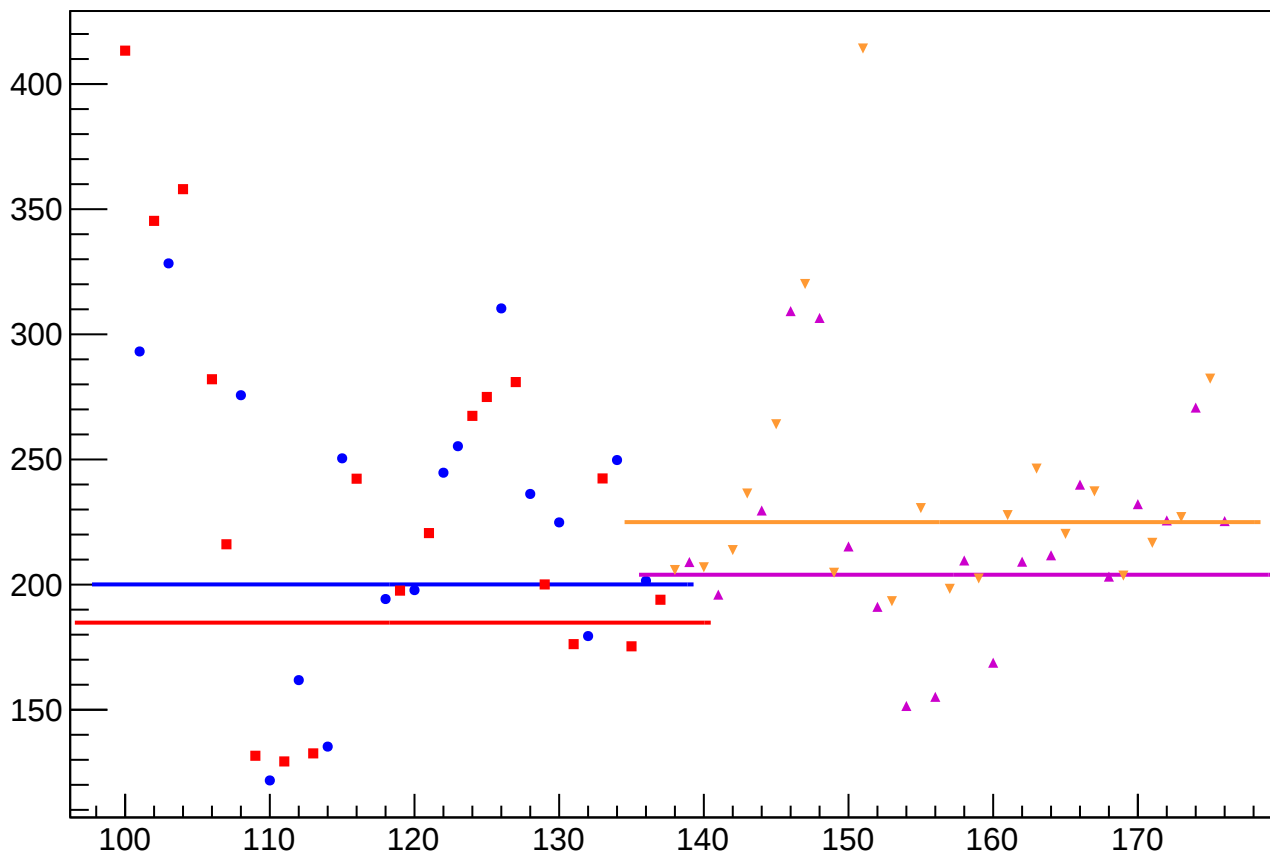
Left In: -390.651 ± 55.246 χ^2/NDF : 1169.7/18

+ sign 365.257 ± 48.009 χ^2/NDF : 1962.9/36

All: 211.640 ± 32.562 χ^2/NDF : 3965.5/74

- sign 80.761 ± 44.313 χ^2/NDF : 1983.6/37

asym_bpm0l09WS_rms vs Slug



Right In: 200.078+/-0.058 χ^2/NDF : 918309.2/16

Left Out: 224.973+/-0.042 χ^2/NDF : 723970.2/19

Right Out: 184.807+/-0.052 χ^2/NDF : 1318267.6/18

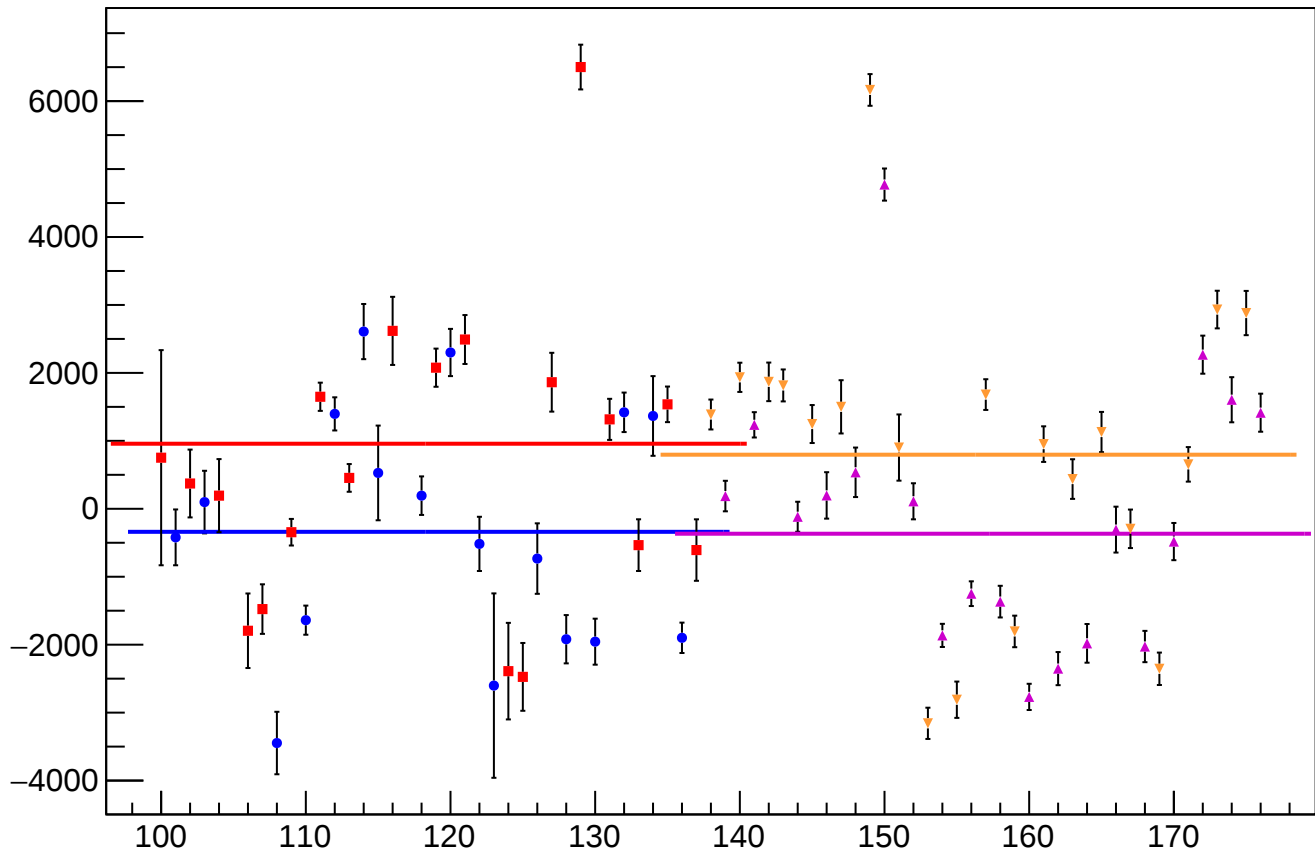
Left In: 203.947+/-0.039 χ^2/NDF : 972051.8/18

+ sign 216.312+/-0.034 χ^2/NDF : 1764282.4/36

All: 205.950+/-0.023 χ^2/NDF : 4312767.6/74

- sign 197.122+/-0.031 χ^2/NDF : 2375924.3/37

asym_bpm0l10WS_mean vs Slug



Right In: -338.966 ± 83.123 χ^2/NDF : 389.5/16

Left Out: 796.138 ± 58.584 χ^2/NDF : 1515.6/19

Right Out: 957.615 ± 75.749 χ^2/NDF : 570.3/18

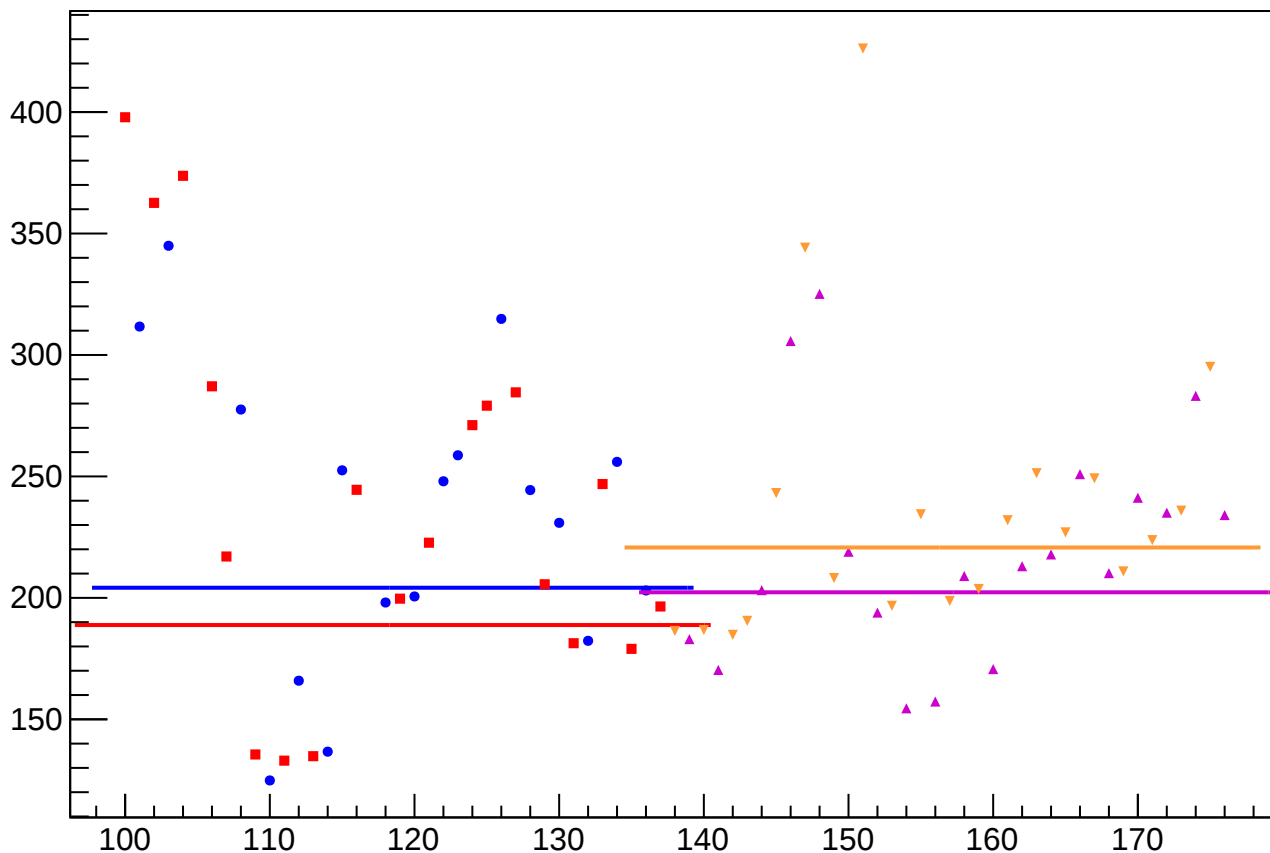
Left In: -367.088 ± 54.877 χ^2/NDF : 1155.3/18

+ sign 419.428 ± 47.886 χ^2/NDF : 2029.6/36

All: 241.831 ± 32.574 χ^2/NDF : 3981.4/74

- sign 88.870 ± 44.440 χ^2/NDF : 1926.1/37

asym_bpm0l10WS_rms vs Slug



Right In: 204.175+/-0.059 χ^2/NDF : 947438.5/16

Left Out: 220.749+/-0.041 χ^2/NDF : 953604.5/19

Right Out: 188.821+/-0.054 χ^2/NDF : 1314891.2/18

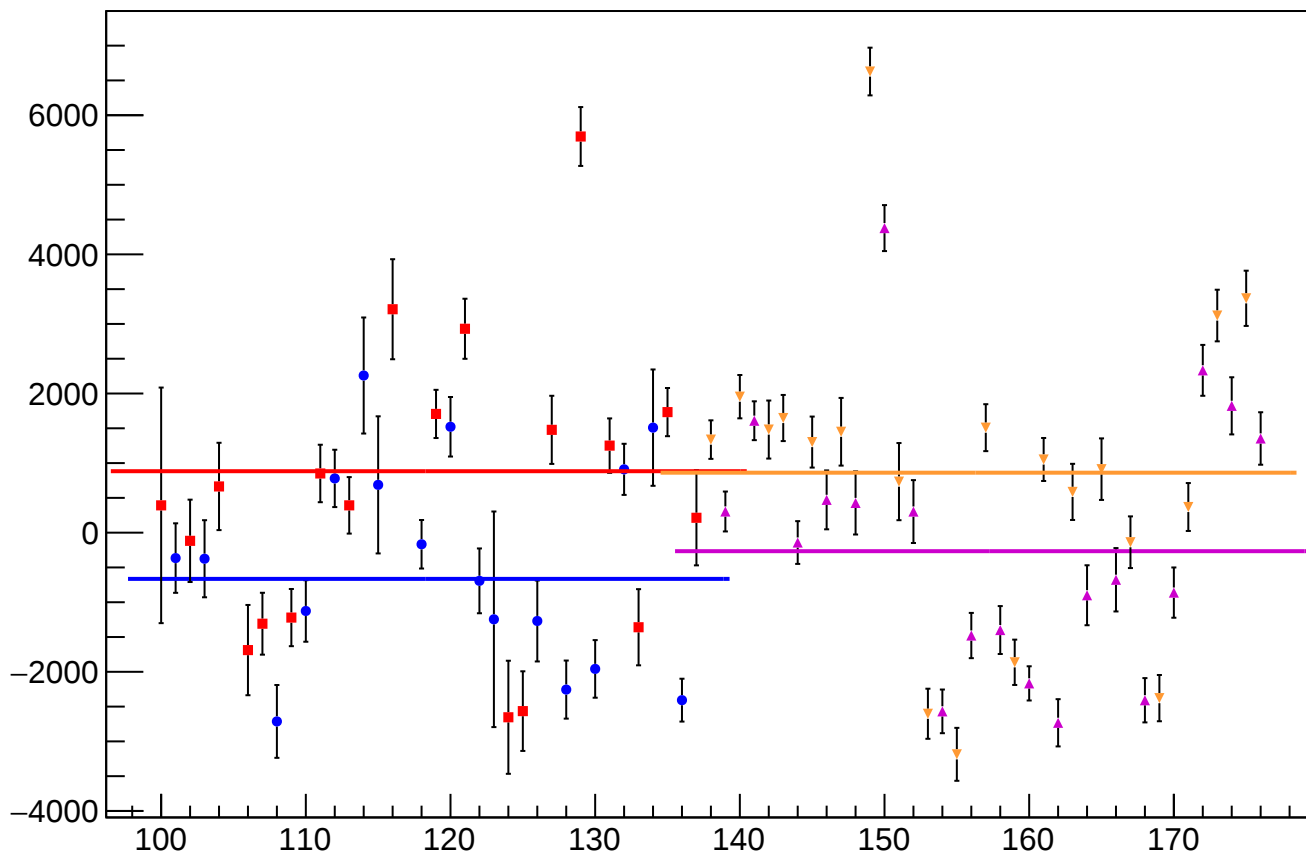
Left In: 202.295+/-0.039 χ^2/NDF : 1097385.7/18

+ sign 215.249+/-0.034 χ^2/NDF : 1954170.2/36

All: 205.798+/-0.023 χ^2/NDF : 4552959.6/74

- sign 197.658+/-0.031 χ^2/NDF : 2453779.6/37

asym_bpm0r03WS_mean vs Slug



Right In: -664.383 ± 113.949 χ^2/NDF : 154.3/16

Left Out: 861.983 ± 80.445 χ^2/NDF : 770.4/19

Right Out: 883.255 ± 110.875 χ^2/NDF : 320.1/18

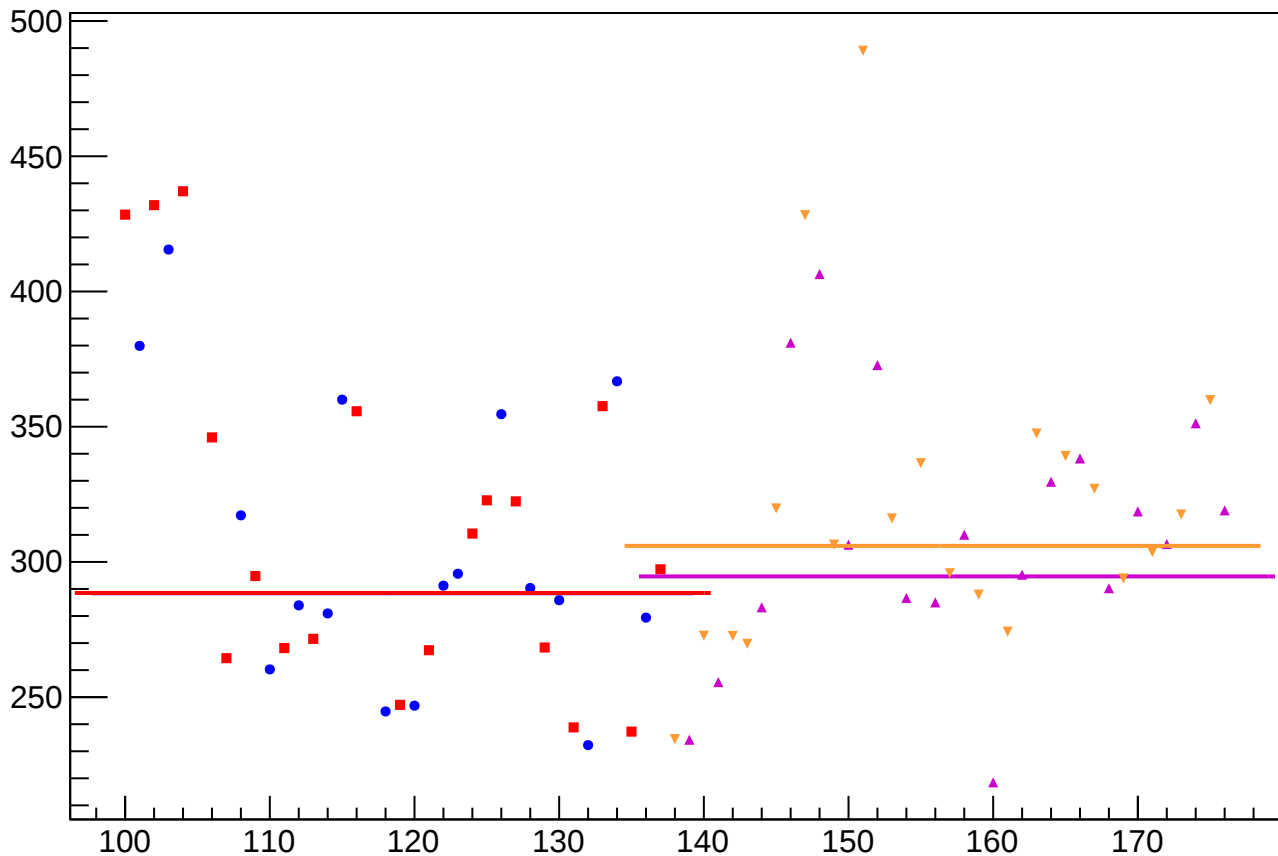
Left In: -266.207 ± 78.688 χ^2/NDF : 590.5/18

+ sign 354.279 ± 65.718 χ^2/NDF : 1044.5/36

All: 233.745 ± 45.913 χ^2/NDF : 2033.1/74

- sign 118.823 ± 64.170 χ^2/NDF : 982.1/37

asym_bpm0r03WS_rms vs Slug



Right In: 288.428 $\pm$ 0.081 χ^2 /NDF: 339820.0/16

Left Out: 305.935 $\pm$ 0.057 χ^2 /NDF: 663657.6/19

Right Out: 288.522 $\pm$ 0.078 χ^2 /NDF: 455410.1/18

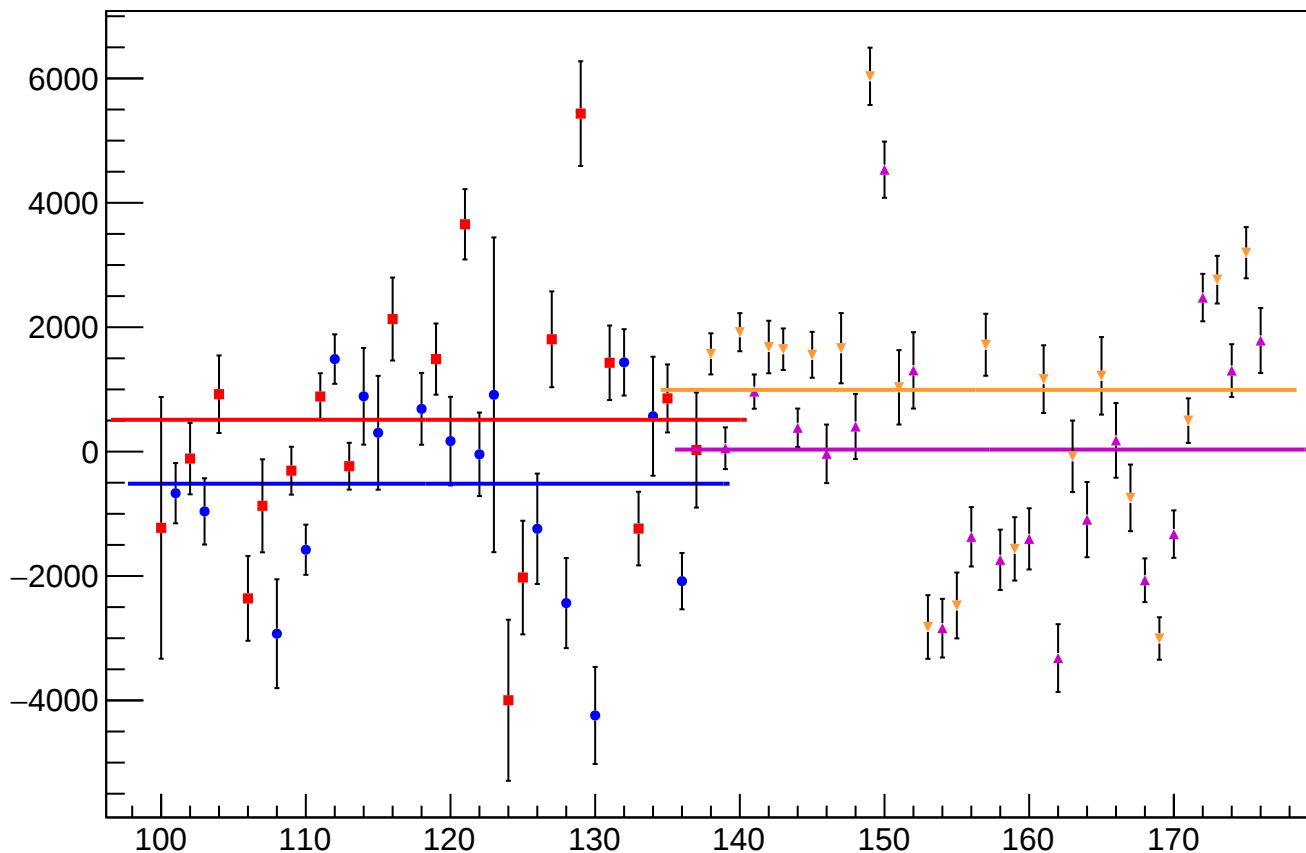
Left In: 294.649 $\pm$ 0.056 χ^2 /NDF: 685875.3/18

+ sign 300.112 $\pm$ 0.046 χ^2 /NDF: 1034983.0/36

All: 296.265 $\pm$ 0.032 χ^2 /NDF: 2193718.2/74

- sign 292.597 $\pm$ 0.045 χ^2 /NDF: 1145347.1/37

asym_bpm0r05WS_mean vs Slug



Right In: -515.894 ± 147.326 χ^2/NDF : 108.0/16

Left Out: 992.774 ± 95.679 χ^2/NDF : 471.1/19

Right Out: 511.851 ± 135.798 χ^2/NDF : 141.3/18

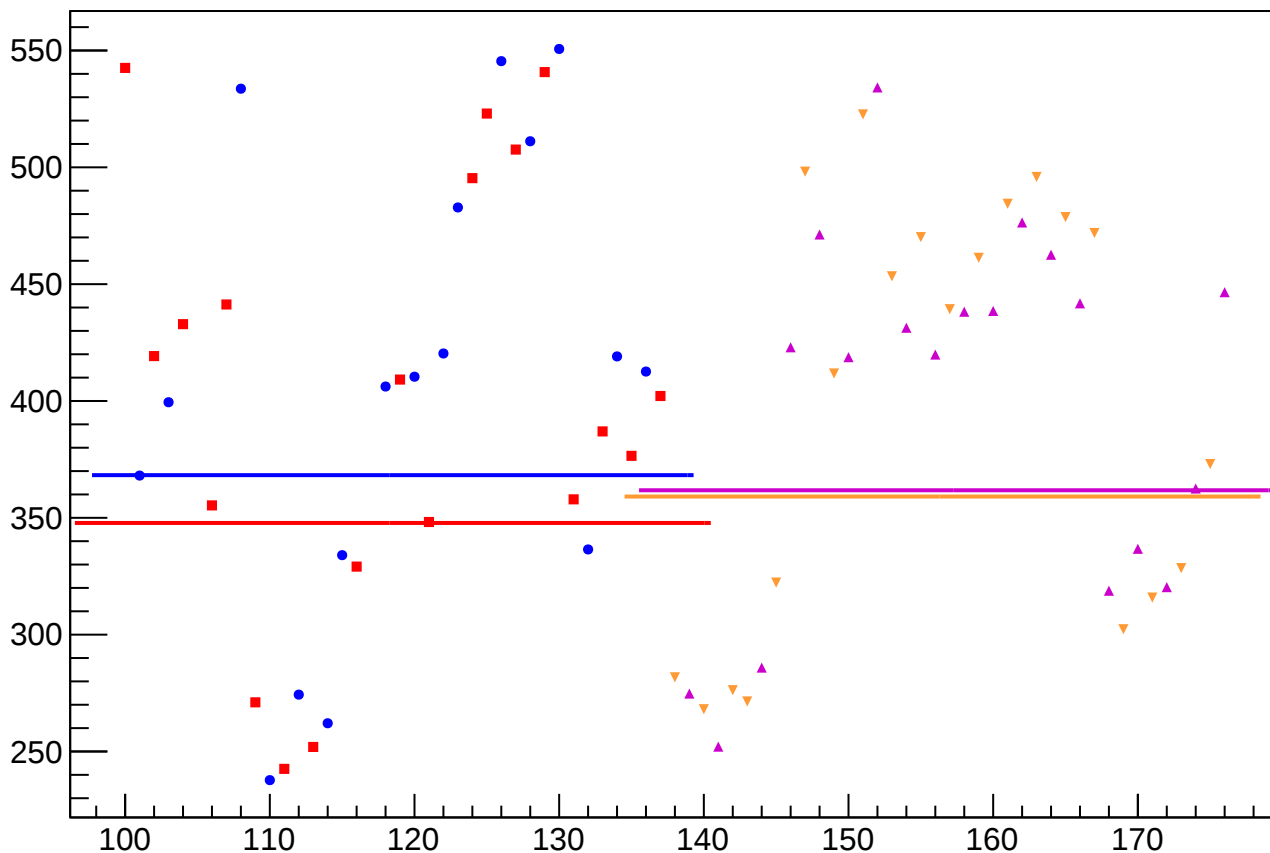
Left In: 33.081 ± 97.394 χ^2/NDF : 335.3/18

+ sign 545.229 ± 80.242 χ^2/NDF : 652.9/36

All: 368.057 ± 56.347 χ^2/NDF : 1147.3/74

- sign 195.701 ± 79.144 χ^2/NDF : 484.8/37

asym_bpm0r05WS_rms vs Slug



Right In: 368.264+/-0.104 χ^2/NDF : 770116.6/16

Left Out: 359.106+/-0.068 χ^2/NDF : 1587885.0/19

Right Out: 347.802+/-0.096 χ^2/NDF : 821862.5/18

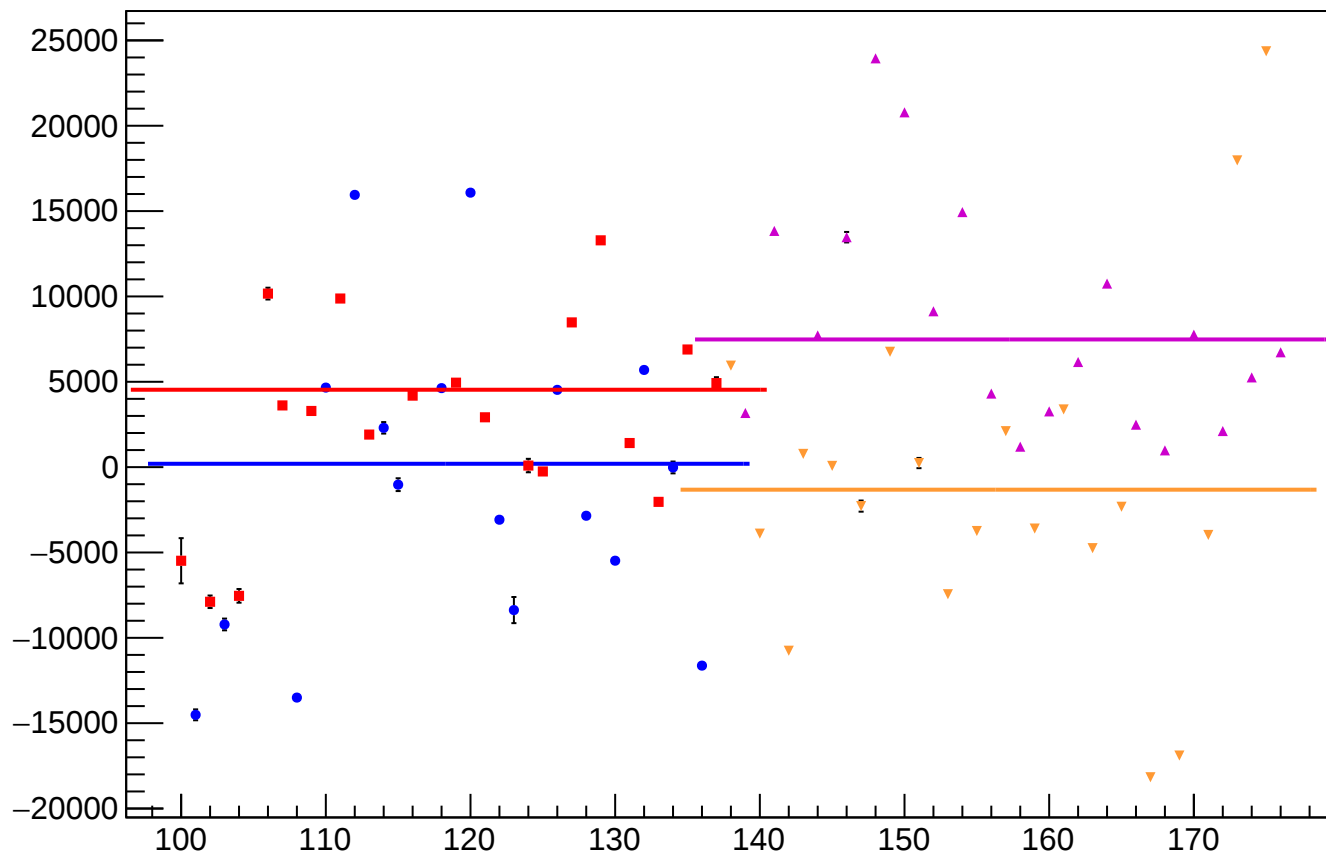
Left In: 361.794+/-0.069 χ^2/NDF : 1348750.6/18

+ sign 361.823+/-0.057 χ^2/NDF : 2363437.5/36

All: 359.399+/-0.040 χ^2/NDF : 4551670.3/74

- sign 357.042+/-0.056 χ^2/NDF : 2184633.8/37

asym_bpm0i02WS_mean vs Slug



Right In: 197.008 ± 54.799 $\chi^2/\text{NDF}: 30658.3/16$

Left Out: -1321.016 ± 44.909 $\chi^2/\text{NDF}: 45094.8/19$

Right Out: 4534.200 ± 52.462 $\chi^2/\text{NDF}: 7477.2/18$

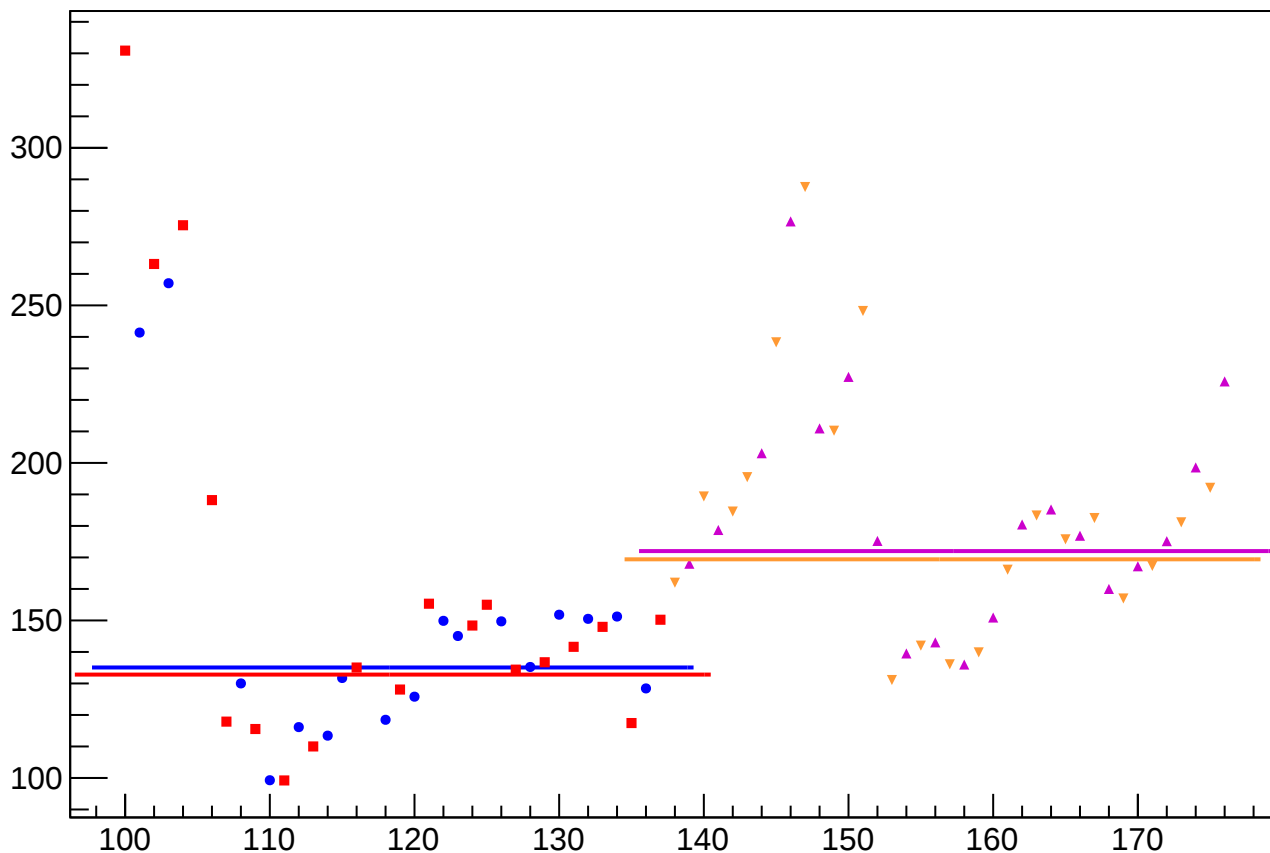
Left In: 7479.863 ± 46.370 $\chi^2/\text{NDF}: 17297.4/18$

+ sign -711.103 ± 34.735 $\chi^2/\text{NDF}: 76212.2/36$

All: 2737.536 ± 24.564 $\chi^2/\text{NDF}: 122476.9/74$

- sign 6187.915 ± 34.743 $\chi^2/\text{NDF}: 26544.6/37$

asym_bpm0i02WS_rms vs Slug



Right In: 135.072 $\pm$ 0.039 χ^2 /NDF: 658703.5/16

Left Out: 169.400 $\pm$ 0.032 χ^2 /NDF: 1052531.6/19

Right Out: 132.816 $\pm$ 0.037 χ^2 /NDF: 831191.5/18

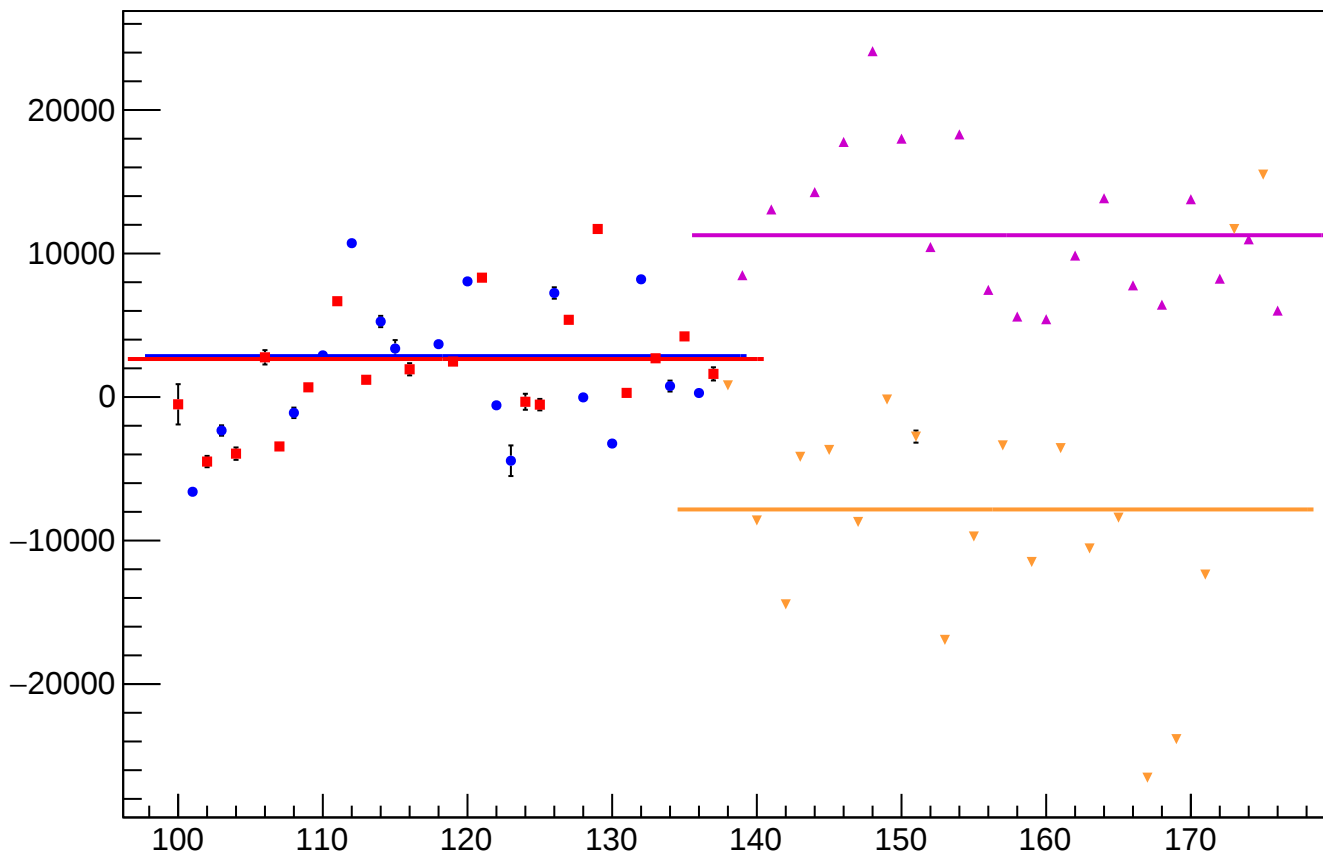
Left In: 172.015 $\pm$ 0.033 χ^2 /NDF: 854493.3/18

+ sign 155.608 $\pm$ 0.025 χ^2 /NDF: 2180755.5/36

All: 155.215 $\pm$ 0.017 χ^2 /NDF: 4493807.1/74

- sign 154.823 $\pm$ 0.025 χ^2 /NDF: 2312541.1/37

asym_bpm0i02aWS_mean vs Slug



Right In: 2851.437+/-70.753 χ^2/NDF : 4178.1/16

Left Out: -7833.022+/-50.761 χ^2/NDF : 38131.8/19

Right Out: 2649.142+/-65.731 χ^2/NDF : 3175.7/18

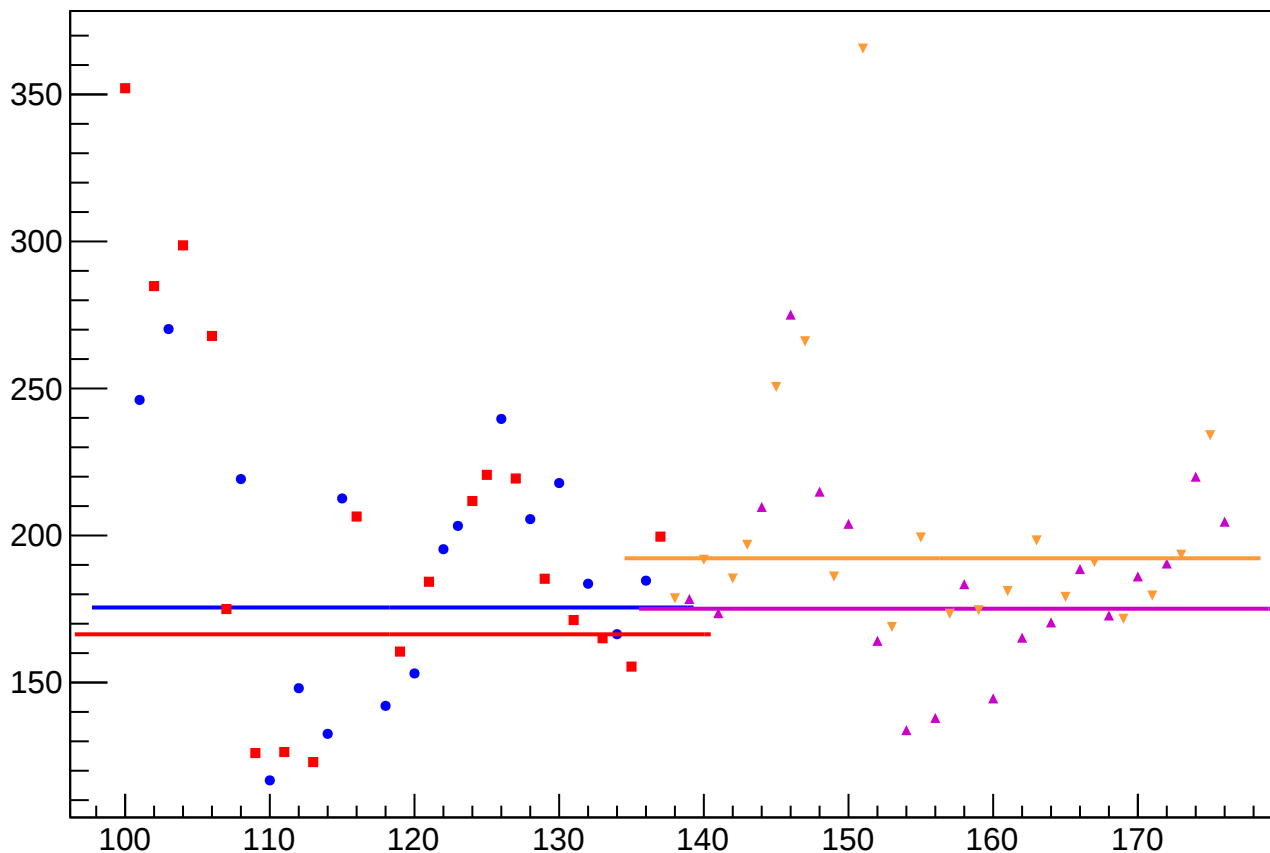
Left In: 11275.058+/-47.256 χ^2/NDF : 11295.1/18

+ sign -4202.365+/-41.244 χ^2/NDF : 57365.0/36

All: 2518.951+/-28.093 χ^2/NDF : 132730.1/74

- sign 8335.845+/-38.369 χ^2/NDF : 25824.2/37

asym_bpm0i02aWS_rms vs Slug



Right In: 175.514 $\pm$ 0.050 χ^2 /NDF: 689642.3/16

Left Out: 192.250 $\pm$ 0.036 χ^2 /NDF: 711071.0/19

Right Out: 166.393 $\pm$ 0.046 χ^2 /NDF: 929534.5/18

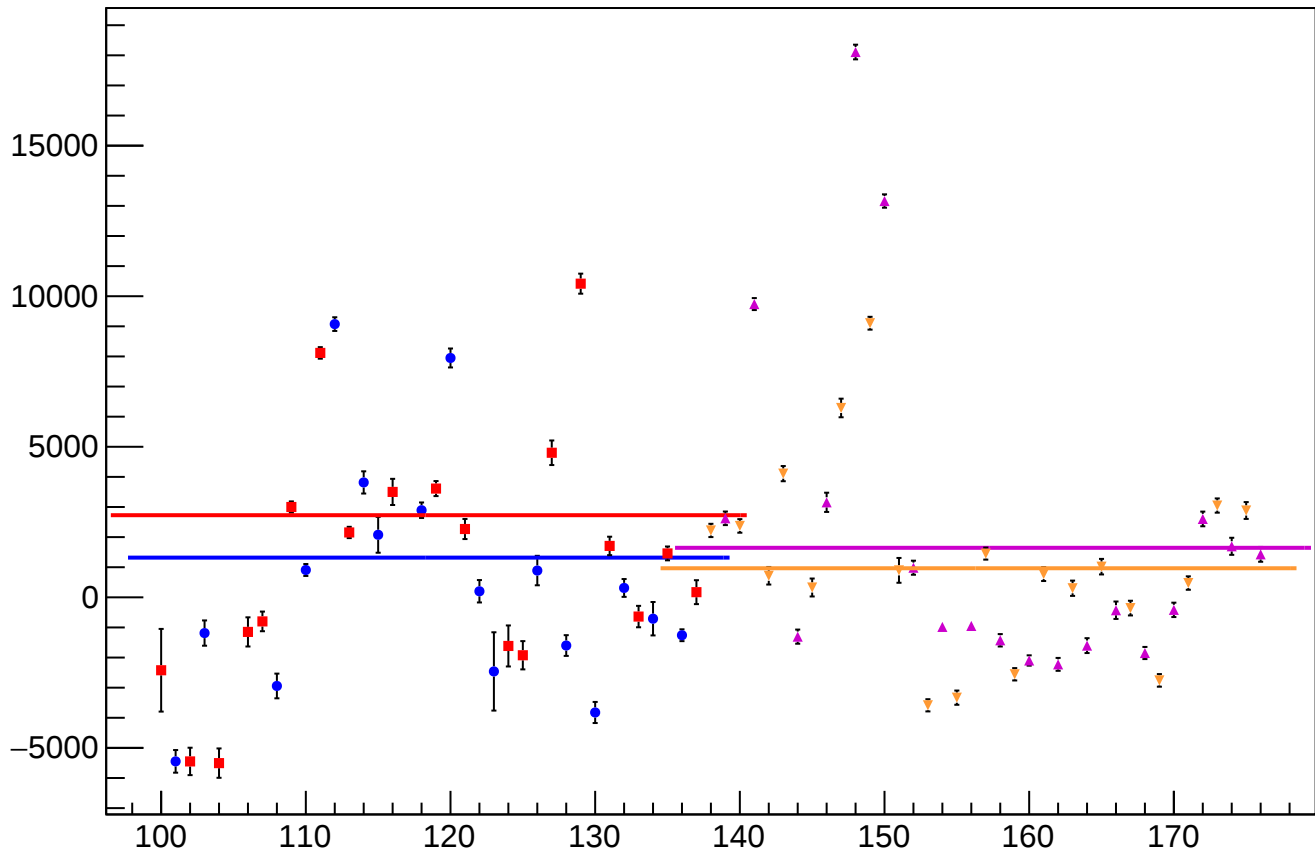
Left In: 175.096 $\pm$ 0.033 χ^2 /NDF: 807542.6/18

+ sign 186.563 $\pm$ 0.029 χ^2 /NDF: 1474584.2/36

All: 178.826 $\pm$ 0.020 χ^2 /NDF: 3366057.3/74

- sign 172.130 $\pm$ 0.027 χ^2 /NDF: 1760190.4/37

asym_bpm0i05WS_mean vs Slug



Right In: 1319.009+/-77.146 χ^2/NDF : 2667.0/16

Left Out: 965.786+/-53.619 χ^2/NDF : 3603.5/19

Right Out: 2727.798+/-70.029 χ^2/NDF : 2495.9/18

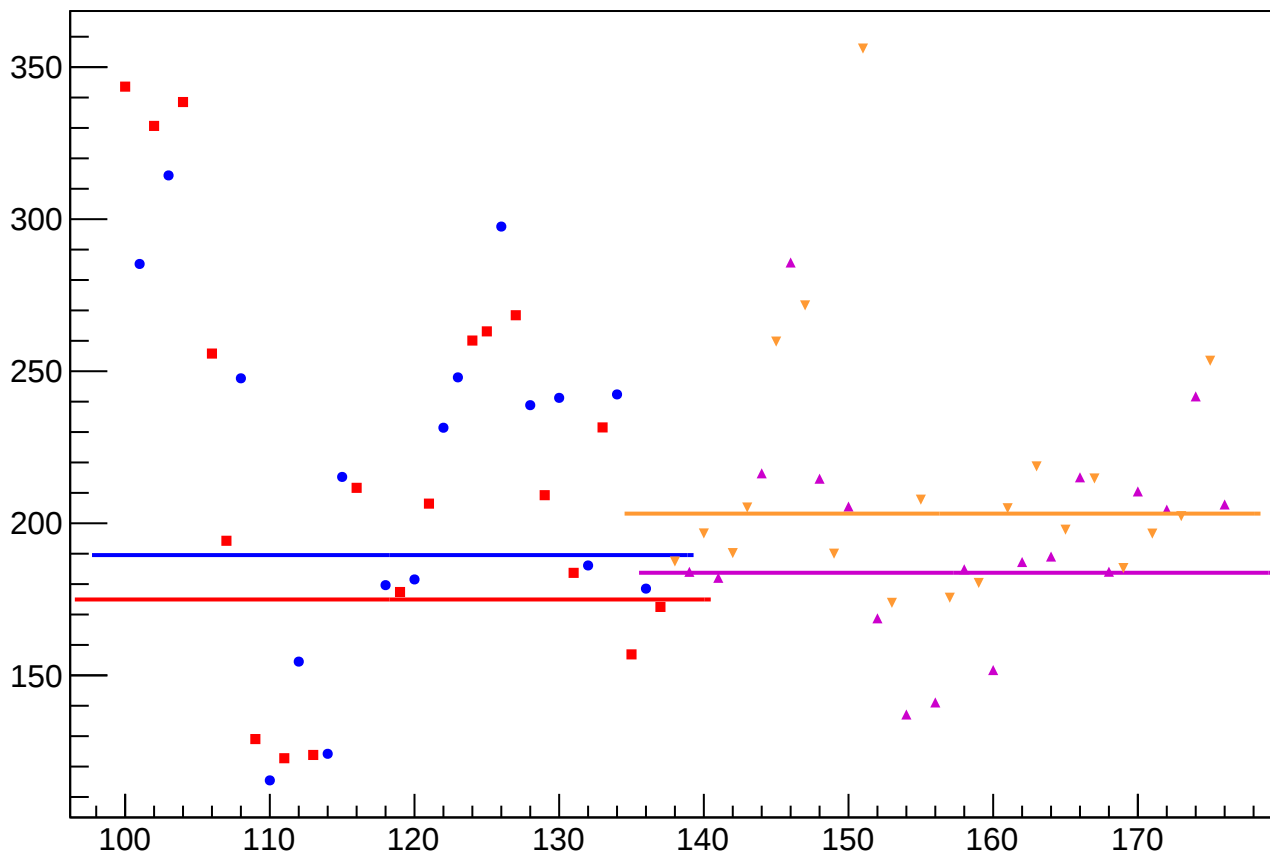
Left In: 1644.707+/-49.675 χ^2/NDF : 11303.6/18

+ sign 1080.839+/-44.029 χ^2/NDF : 6284.6/36

All: 1582.467+/-29.814 χ^2/NDF : 20483.0/74

- sign 2007.261+/-40.517 χ^2/NDF : 13958.7/37

asym_bpm0i05WS_rms vs Slug



Right In: 189.544 $\pm$ 0.055 χ^2 /NDF: 980744.6/16

Left Out: 203.180 $\pm$ 0.038 χ^2 /NDF: 668977.3/19

Right Out: 174.944 $\pm$ 0.050 χ^2 /NDF: 1297106.6/18

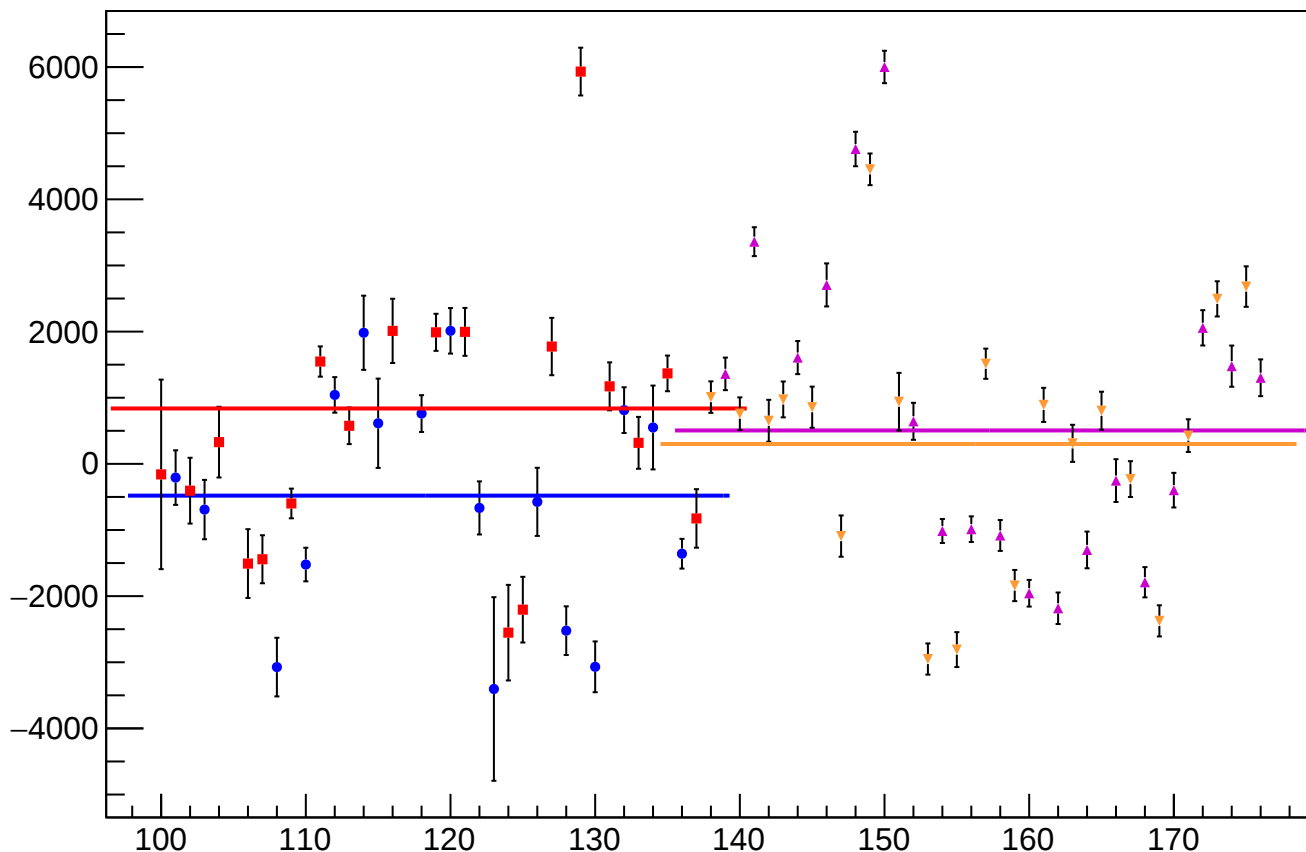
Left In: 183.730 $\pm$ 0.035 χ^2 /NDF: 863920.6/18

+ sign 198.739 $\pm$ 0.031 χ^2 /NDF: 1691853.1/36

All: 189.019 $\pm$ 0.021 χ^2 /NDF: 4053821.0/74

- sign 180.789 $\pm$ 0.029 χ^2 /NDF: 2181970.7/37

asym_bpm0i07WS_mean vs Slug



Right In: -480.578+/-88.640 χ^2/NDF : 290.7/16

Left Out: 300.595+/-59.415 χ^2/NDF : 1055.6/19

Right Out: 837.442+/-82.243 χ^2/NDF : 435.3/18

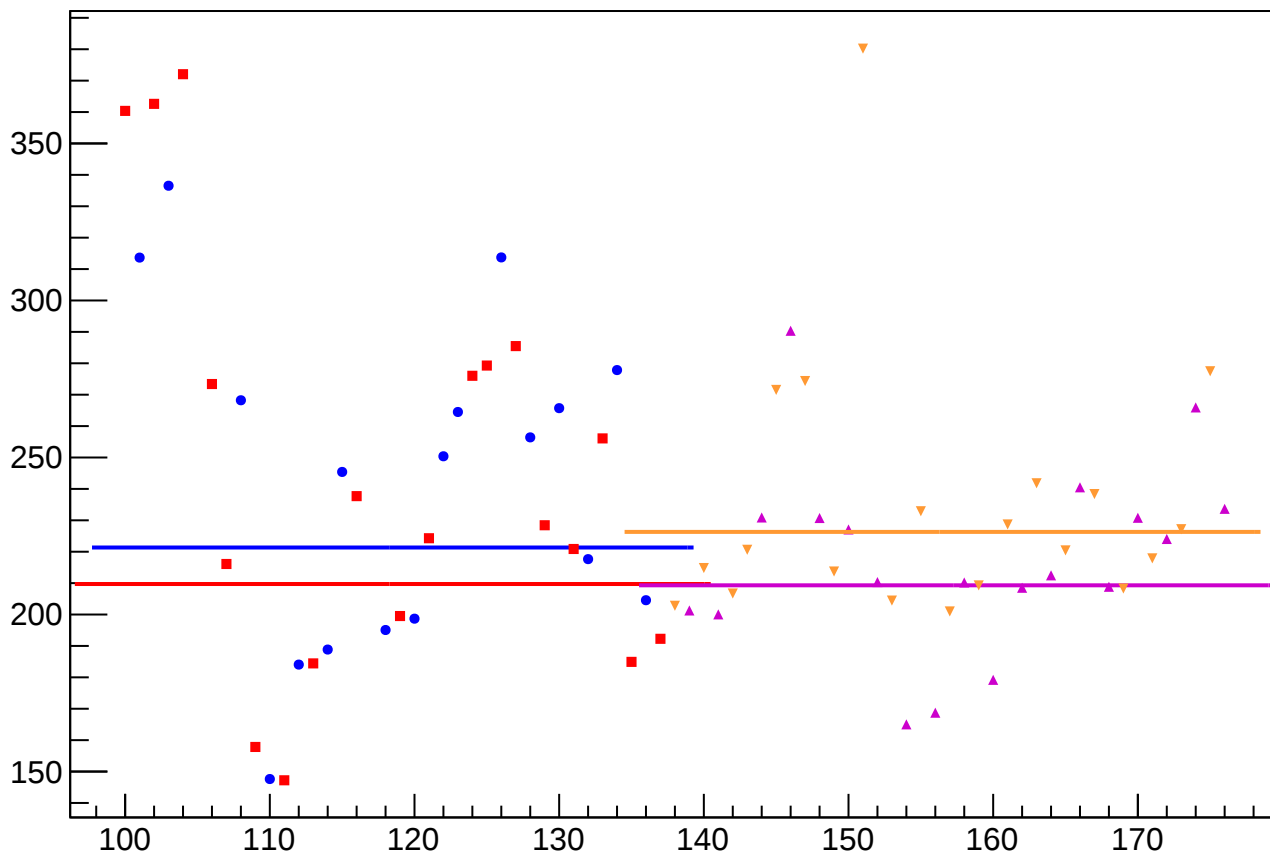
Left In: 505.379+/-56.082 χ^2/NDF : 1681.9/18

+ sign 58.424+/-49.354 χ^2/NDF : 1399.9/36

All: 352.010+/-33.780 χ^2/NDF : 3594.8/74

- sign 610.777+/-46.335 χ^2/NDF : 2128.4/37

asym_bpm0i07WS_rms vs Slug



Right In: 221.342 $\pm$ 0.063 χ^2 /NDF: 645688.1/16

Left Out: 226.312 $\pm$ 0.042 χ^2 /NDF: 510947.7/19

Right Out: 209.717 $\pm$ 0.058 χ^2 /NDF: 883917.7/18

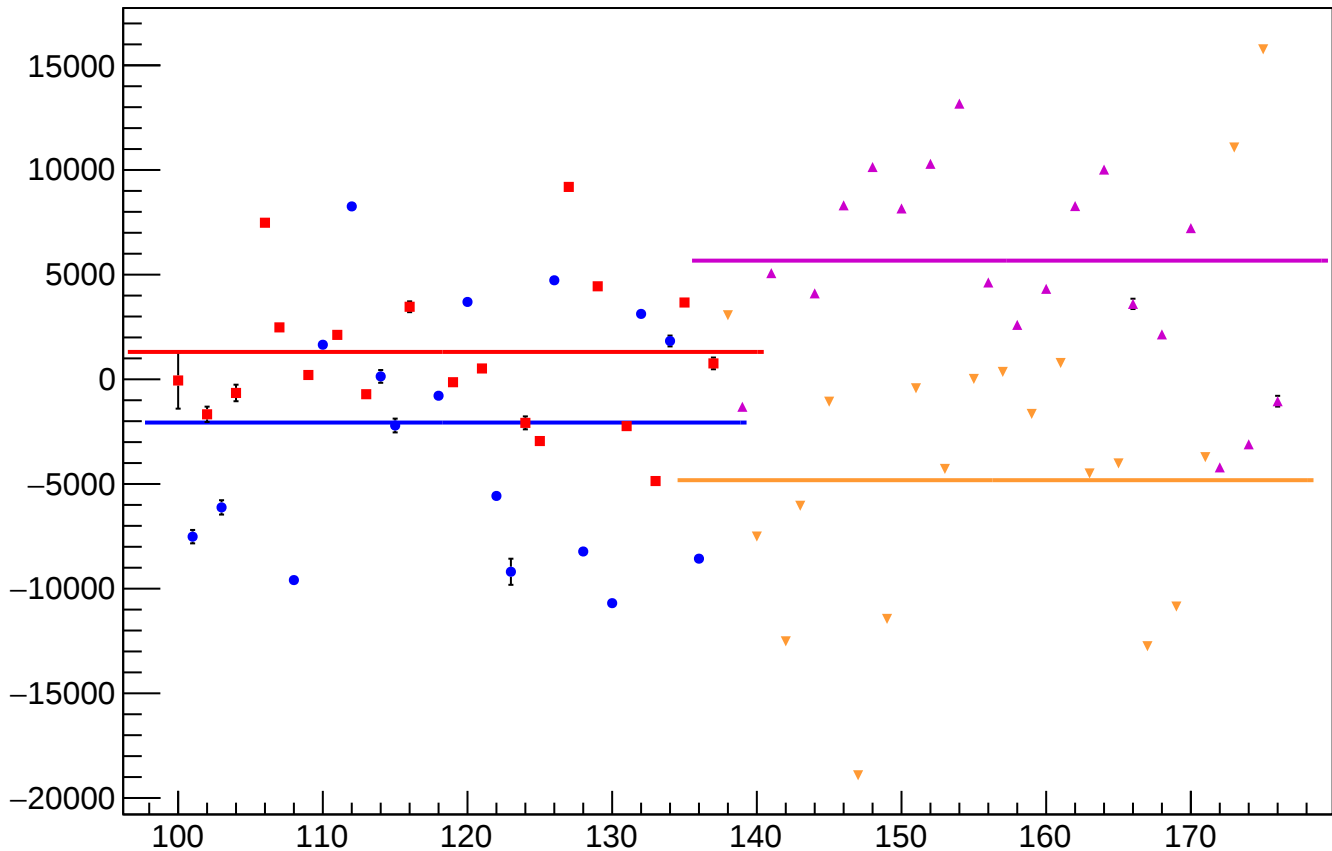
Left In: 209.303 $\pm$ 0.040 χ^2 /NDF: 539871.1/18

+ sign 224.771 $\pm$ 0.035 χ^2 /NDF: 1160973.3/36

All: 216.619 $\pm$ 0.024 χ^2 /NDF: 2687454.1/74

- sign 209.434 $\pm$ 0.033 χ^2 /NDF: 1423823.4/37

asym_bpm1i02WS_mean vs Slug



Right In: -2065.160 ± 47.322 χ^2/NDF : 16533.3/16

Left Out: -4818.637 ± 35.131 χ^2/NDF : 44911.8/19

Right Out: 1308.512 ± 45.001 χ^2/NDF : 5894.4/18

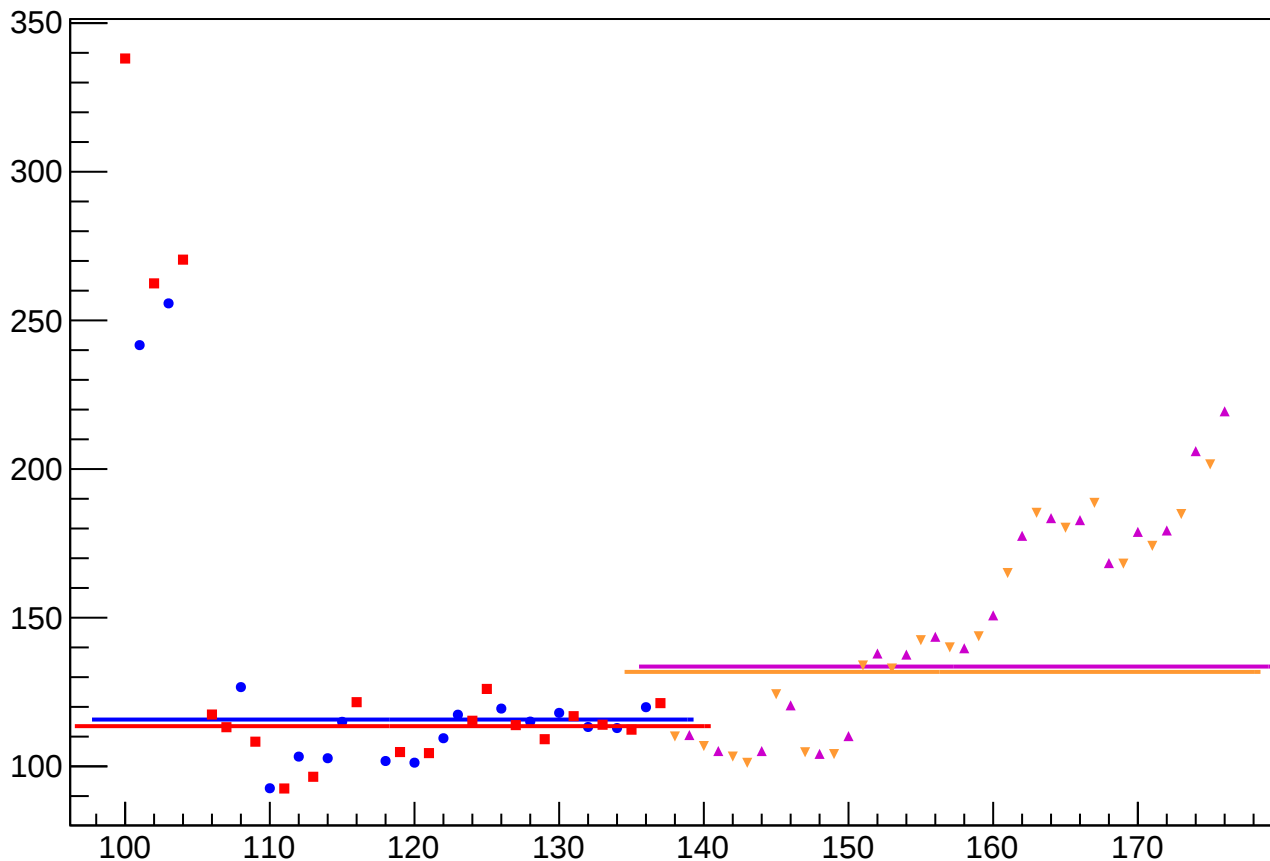
Left In: 5669.772 ± 36.091 χ^2/NDF : 14090.4/18

+ sign -3840.296 ± 28.208 χ^2/NDF : 63627.7/36

All: 68.516 ± 19.927 χ^2/NDF : 127660.9/74

- sign 3962.635 ± 28.155 χ^2/NDF : 25700.8/37

asym_bpm1i02WS_rms vs Slug



Right In: 115.741 ± 0.033 χ^2/NDF : 744017.7/16

Left Out: 131.770 ± 0.025 χ^2/NDF : 1461629.3/19

Right Out: 113.519 ± 0.032 χ^2/NDF : 796640.6/18

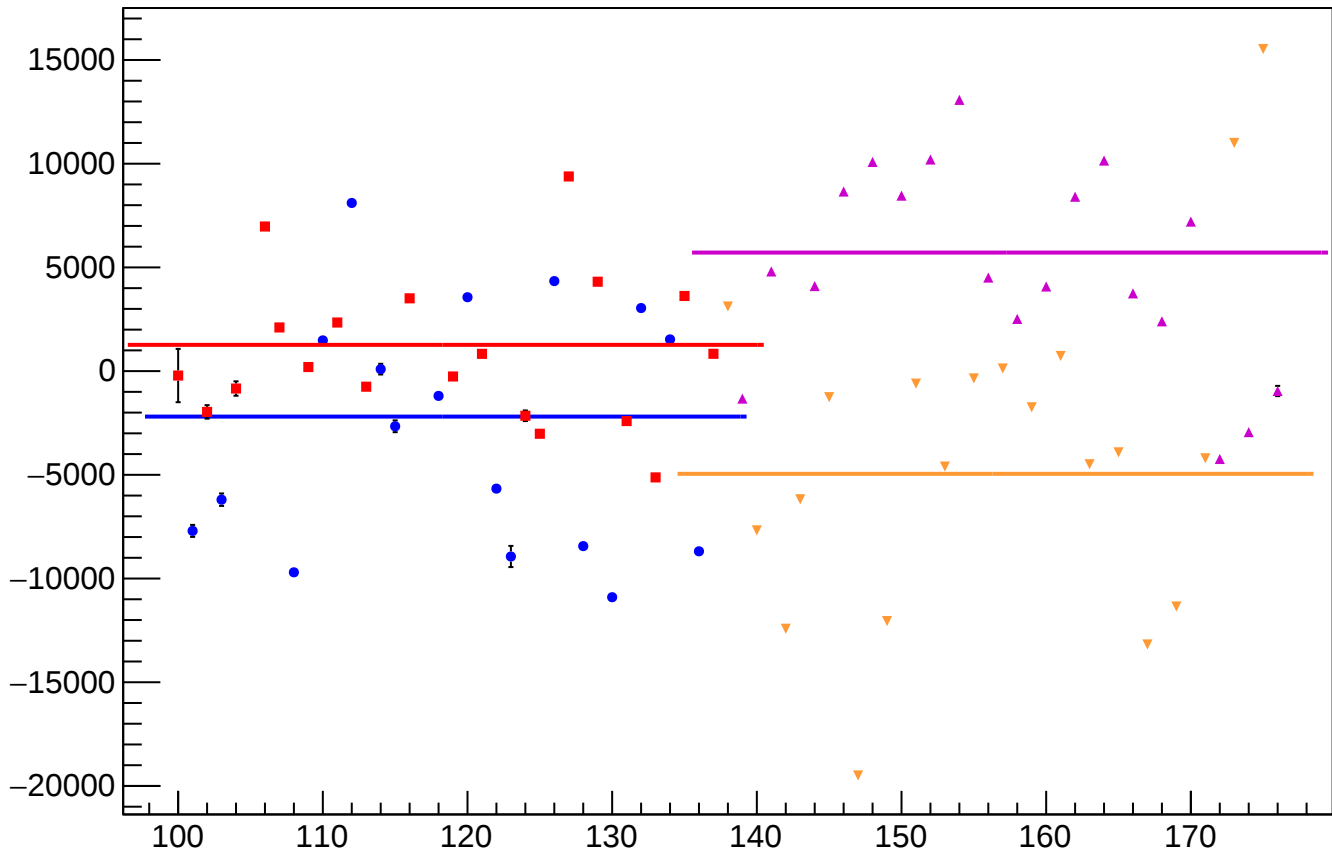
Left In: 133.564 ± 0.026 χ^2/NDF : 1479483.6/18

+ sign 126.075 ± 0.020 χ^2/NDF : 2353591.0/36

All: 125.896 ± 0.014 χ^2/NDF : 4871359.3/74

- sign 125.718 ± 0.020 χ^2/NDF : 2517607.7/37

asym_bpm1i04WS_mean vs Slug



Right In: -2192.327 ± 39.944 χ^2/NDF : 22813.5/16

Left Out: -4952.366 ± 31.851 χ^2/NDF : 53371.4/19

Right Out: 1266.189 ± 38.048 χ^2/NDF : 8550.5/18

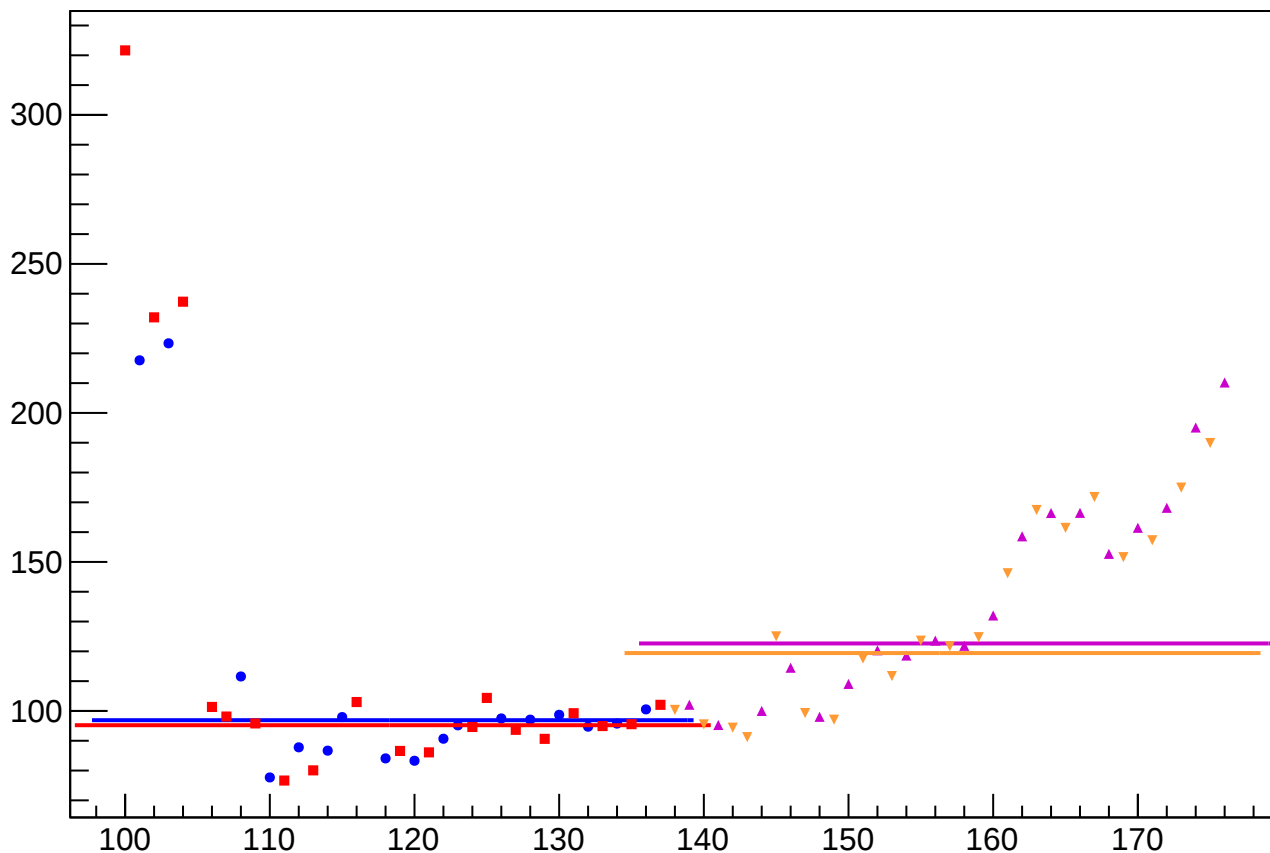
Left In: 5715.646 ± 33.100 χ^2/NDF : 16890.4/18

+ sign -3879.579 ± 24.903 χ^2/NDF : 79103.6/36

All: -51.057 ± 17.634 χ^2/NDF : 159732.0/74

- sign 3798.896 ± 24.973 χ^2/NDF : 33225.3/37

asym_bpm1i04WS_rms vs Slug



Right In: 96.894+/-0.028 χ^2/NDF : 817229.9/16

Left Out: 119.424+/-0.023 χ^2/NDF : 1421496.5/19

Right Out: 95.213+/-0.027 χ^2/NDF : 859809.7/18

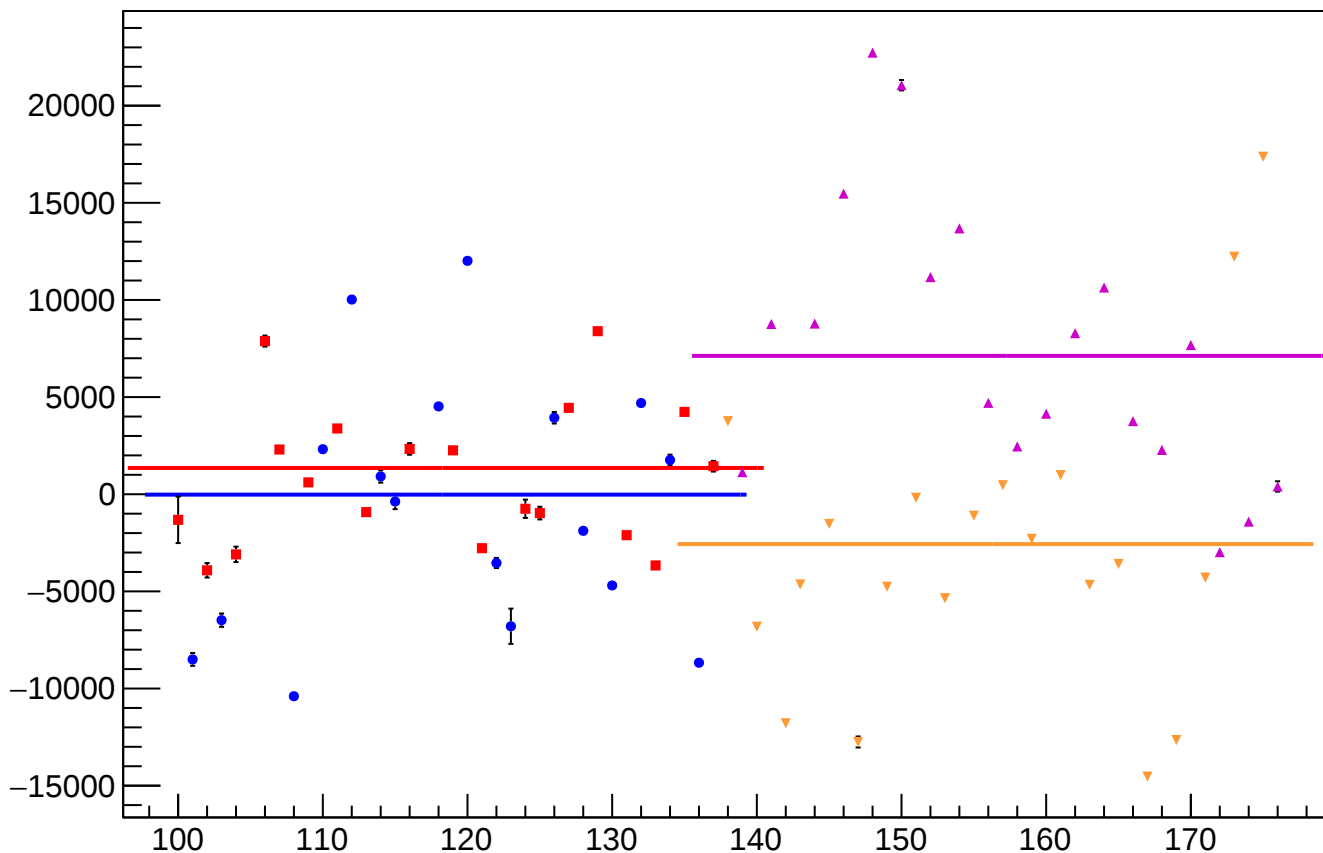
Left In: 122.646+/-0.023 χ^2/NDF : 1362712.7/18

+ sign 110.667+/-0.018 χ^2/NDF : 2627685.3/36

All: 110.747+/-0.012 χ^2/NDF : 5442039.9/74

- sign 110.828+/-0.018 χ^2/NDF : 2814312.4/37

asym_bpm1i06WS_mean vs Slug



Right In: -19.990 ± 54.643 $\chi^2/\text{NDF}: 16361.0/16$

Left Out: -2565.934 ± 42.986 $\chi^2/\text{NDF}: 24325.4/19$

Right Out: 1353.461 ± 52.367 $\chi^2/\text{NDF}: 3837.2/18$

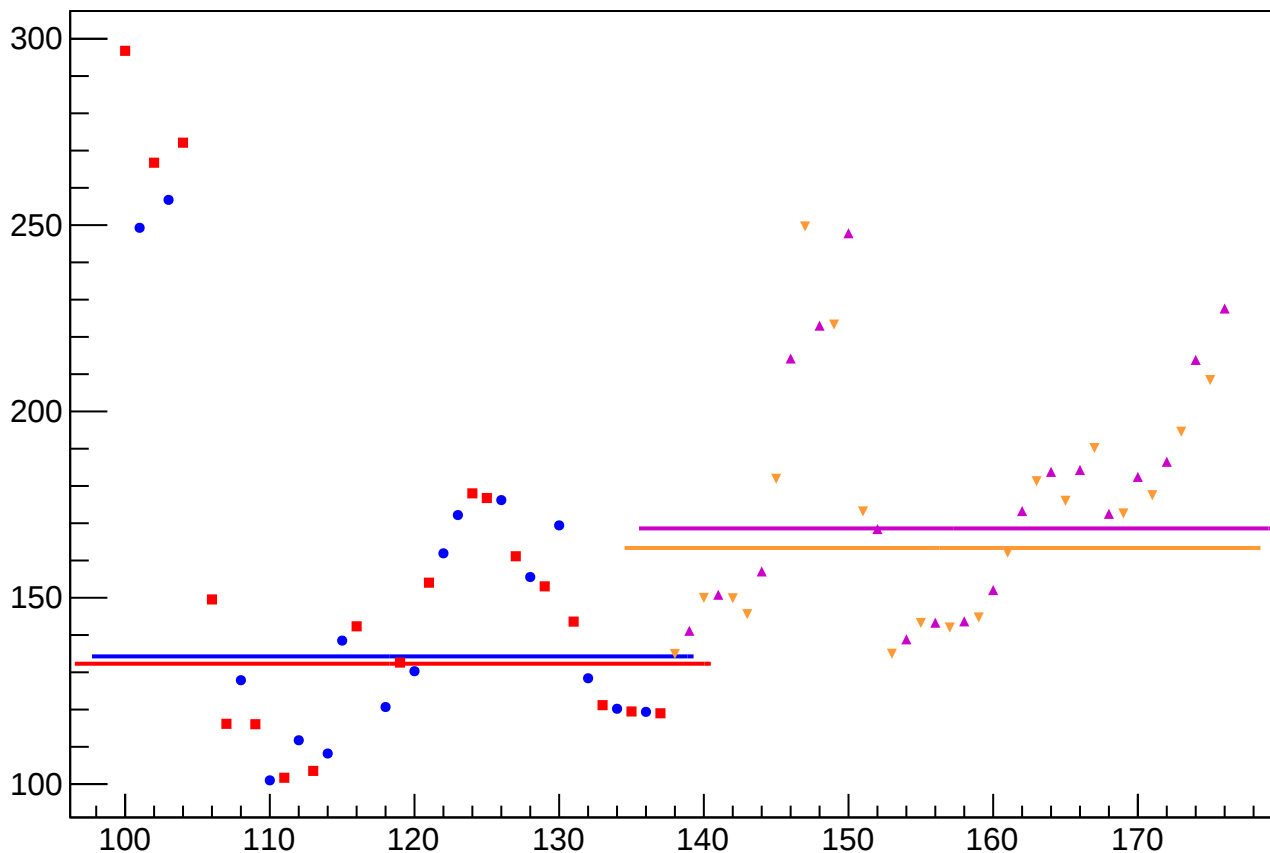
Left In: 7122.088 ± 45.060 $\chi^2/\text{NDF}: 17720.8/18$

+ sign -1592.694 ± 33.785 $\chi^2/\text{NDF}: 42027.4/36$

All: 1503.481 ± 24.020 $\chi^2/\text{NDF}: 87540.3/74$

- sign 4667.995 ± 34.156 $\chi^2/\text{NDF}: 28530.4/37$

asym_bpm1i06WS_rms vs Slug



Right In: 134.268 $\pm$ 0.039 χ^2 /NDF: 788647.0/16

Left Out: 163.364 $\pm$ 0.030 χ^2 /NDF: 768254.3/19

Right Out: 132.302 $\pm$ 0.037 χ^2 /NDF: 869892.7/18

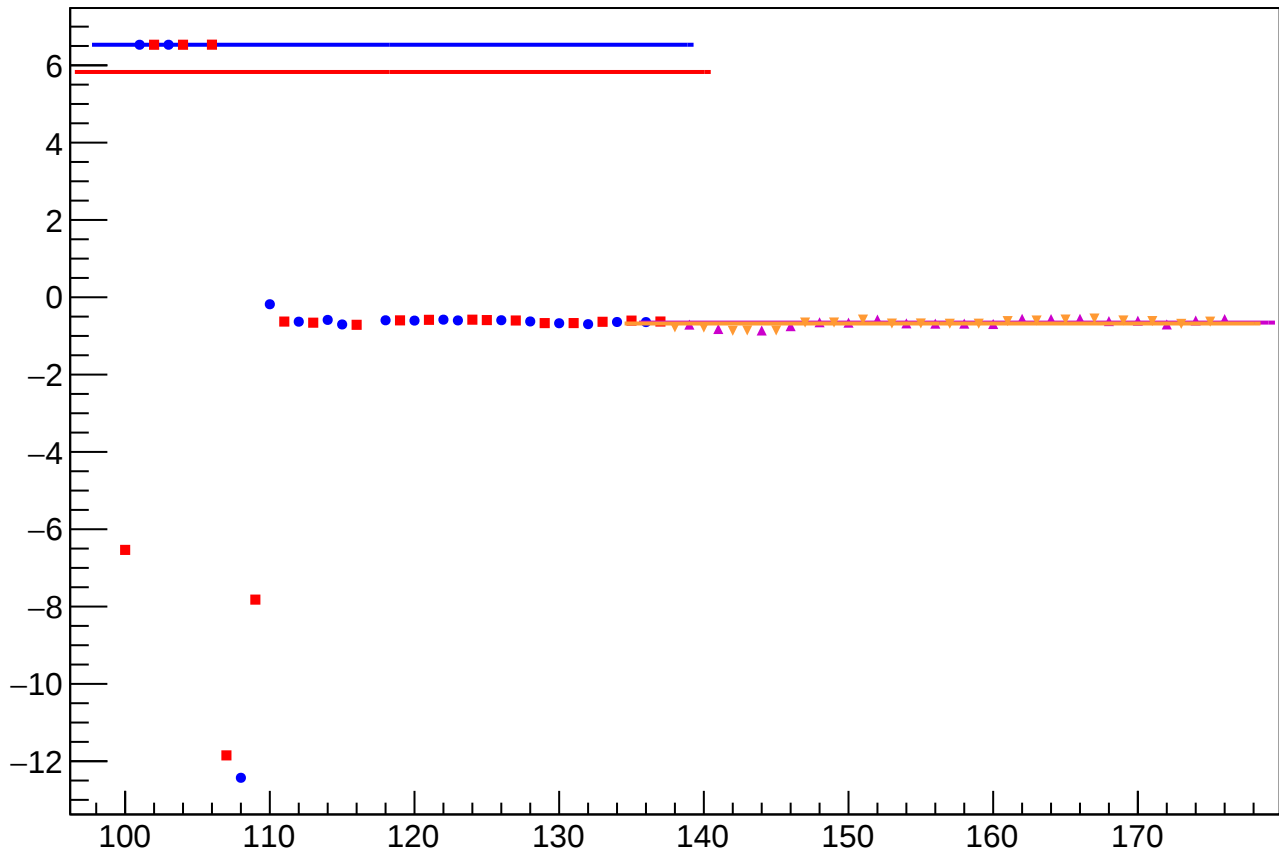
Left In: 168.608 $\pm$ 0.032 χ^2 /NDF: 817801.2/18

+ sign 152.241 $\pm$ 0.024 χ^2 /NDF: 1907200.5/36

All: 152.697 $\pm$ 0.017 χ^2 /NDF: 4147994.4/74

- sign 153.163 $\pm$ 0.024 χ^2 /NDF: 2240058.3/37

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2/NDF : 127906780672.7/16

Left Out: -0.678 $\pm$ 0.000 χ^2/NDF : 128624817.3/19

Right Out: 5.827 $\pm$ 0.000 χ^2/NDF : 755948646460090.5/18

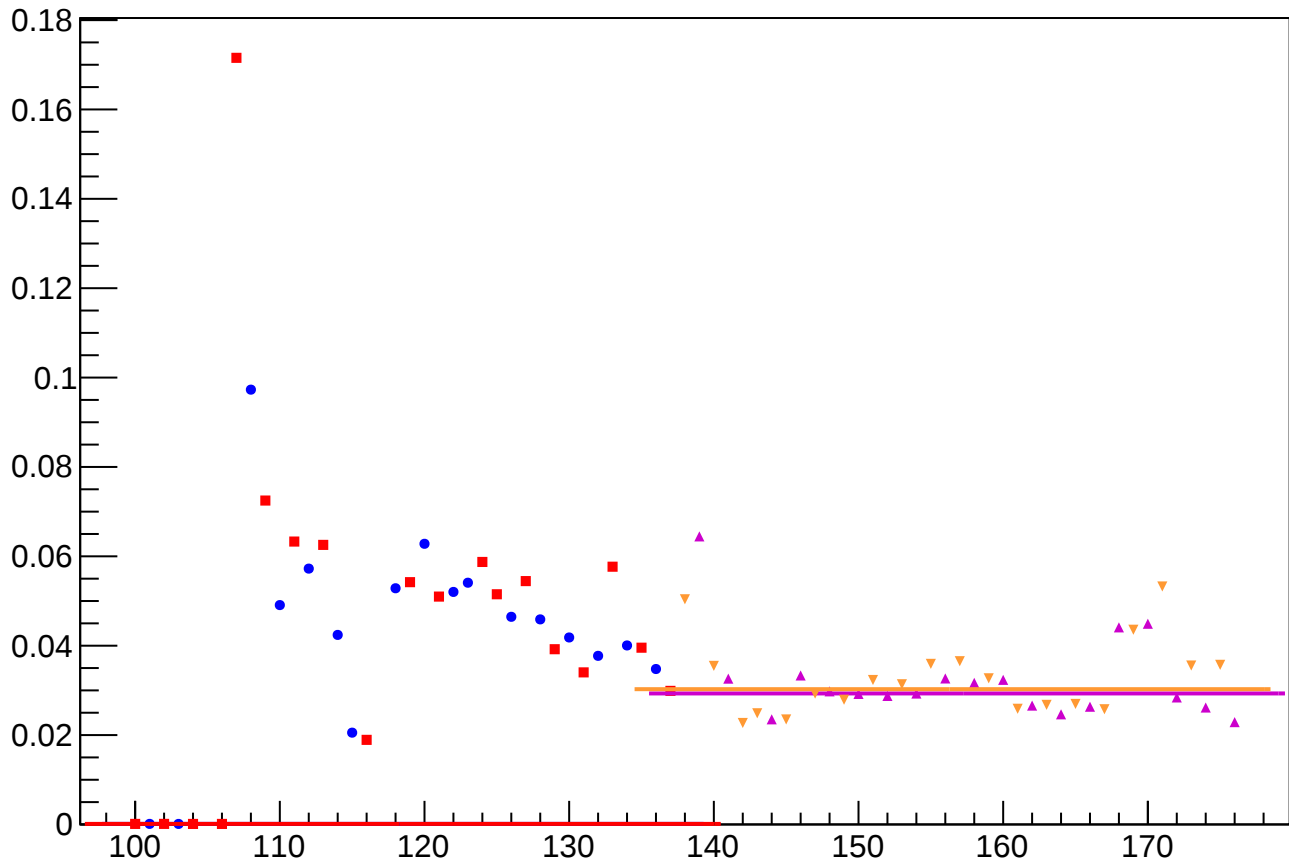
Left In: -0.655 $\pm$ 0.000 χ^2/NDF : 111270608.7/18

+ sign 6.530 $\pm$ 0.000 χ^2/NDF : 791733132258.8/36

All: 6.154 $\pm$ 0.000 χ^2/NDF : 77729288714372

- sign 5.826 $\pm$ 0.000 χ^2/NDF : 756507593279059.4/18

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 : 1063457.2/19

Right Out: 0.000+/-0.000 χ^2/NDF : 9373556.8/18

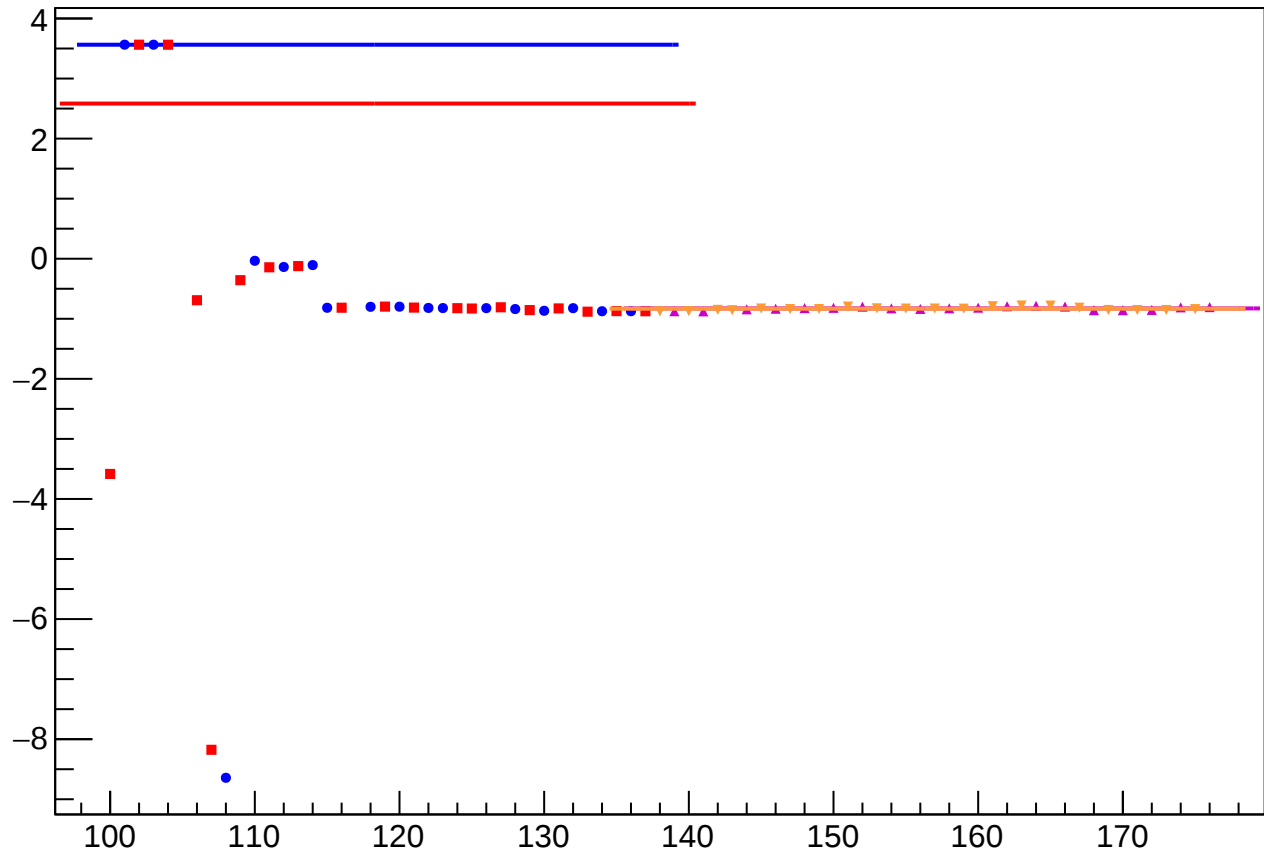
Left In: 0.029+/-0.000 χ^2/NDF : 1015505.5/18

+ sign 0.000+/-0.000 χ^2/NDF : 33297878.7/36

All: 0.000+/-0.000 χ^2/NDF : 66356274.0/74

- sign 0.000+/-0.000 χ^2/NDF : 33057934.9/37

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 486958795673.0/16

Left Out: -0.831+/-0.000 χ^2/NDF : 144048490.9/19

Right Out: 2.583+/-0.000 χ^2/NDF : 1253505323583154.2/18

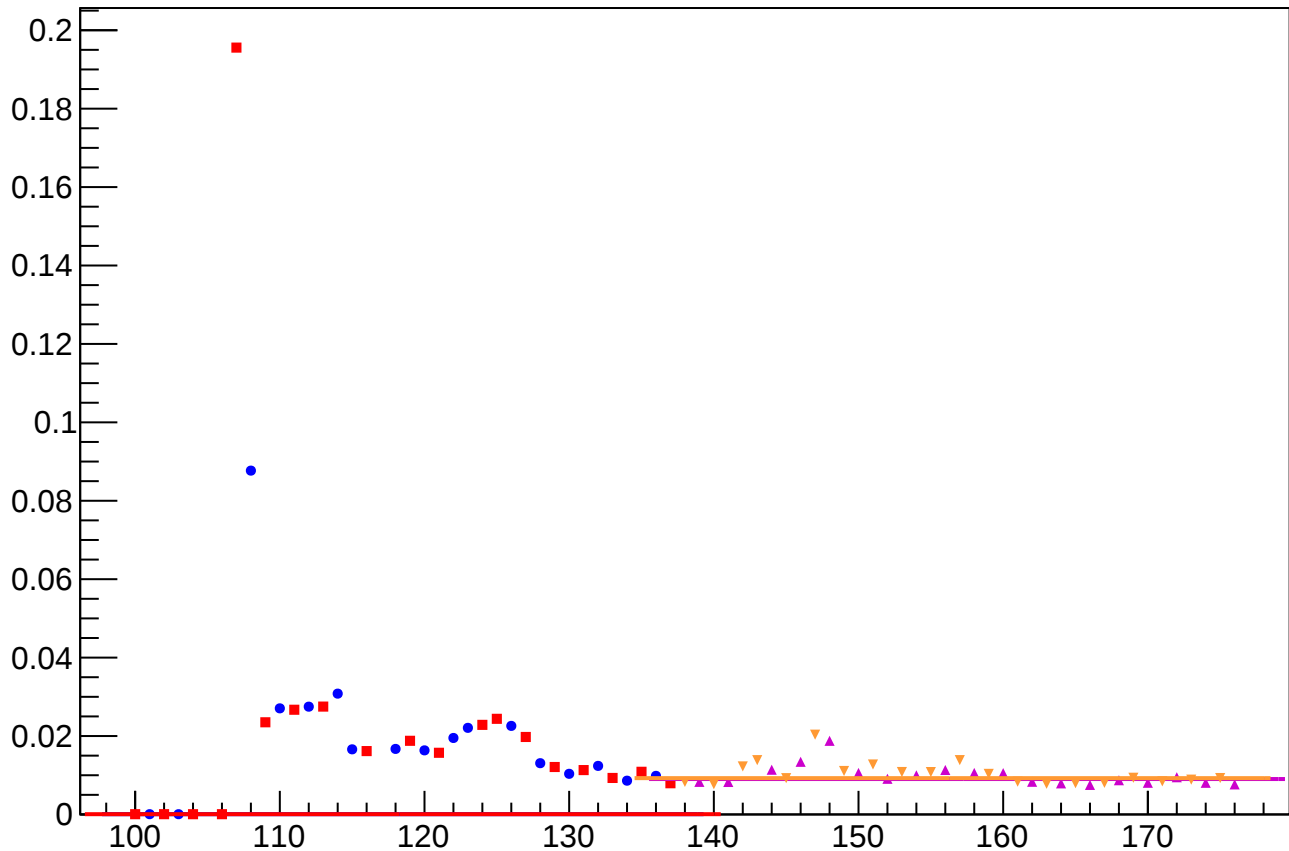
Left In: -0.828+/-0.000 χ^2/NDF : 130853959.0/18

+ sign 3.561+/-0.000 χ^2/NDF : 3245047089274.2/36

All: 3.038+/-0.000 χ^2/NDF : 13866179934809

- sign 2.582+/-0.000 χ^2/NDF : 1255227128754145.0

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 :1079038.7/19

Right Out: 0.000+/-0.000 χ^2/NDF : 9880078.9/18

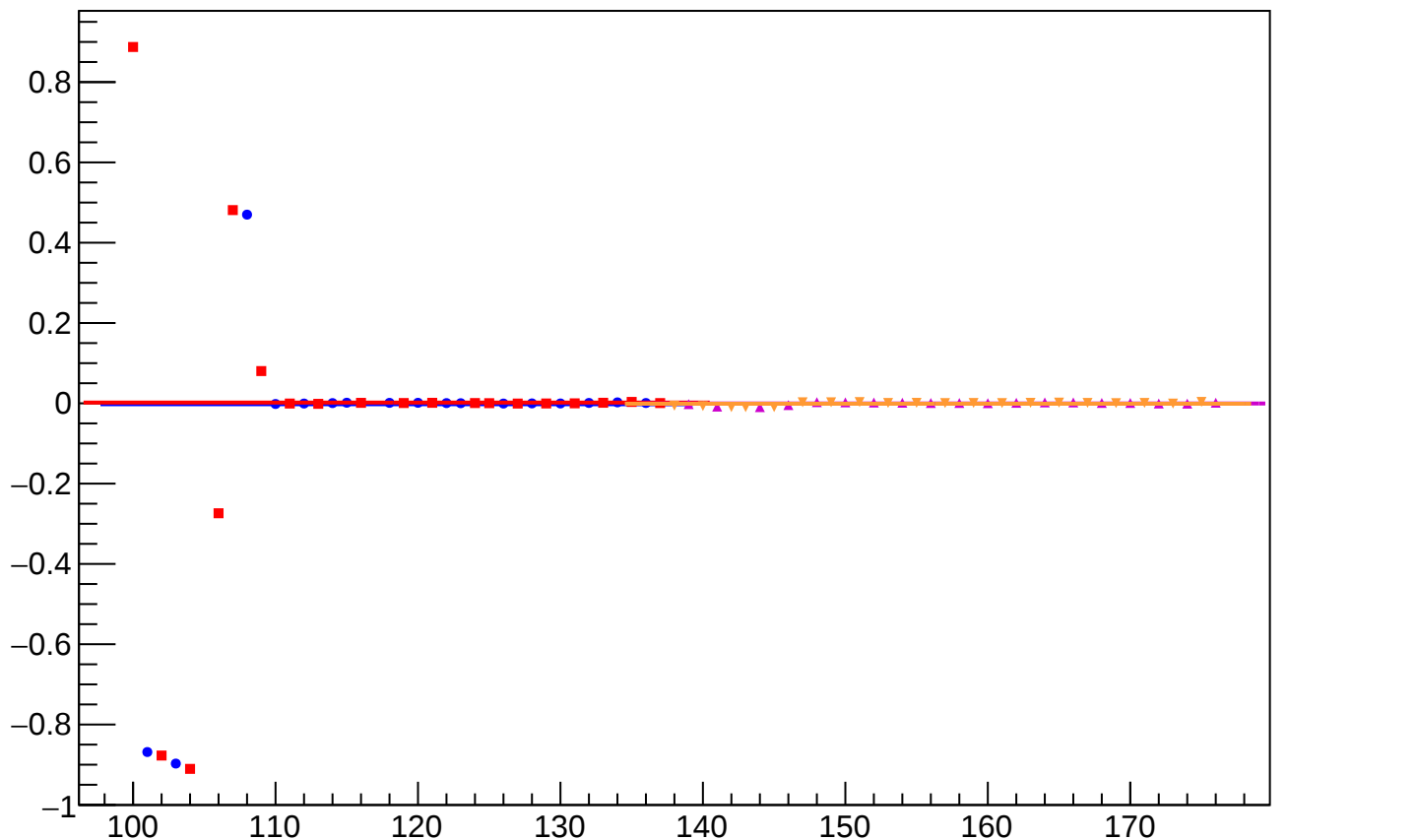
Left In: 0.009+/-0.000 χ^2/NDF :868193.1/18

+ sign 0.000+/-0.000 χ^2/NDF : 35057007.9/36

All: 0.000+/-0.000 χ^2/NDF : 69593533.2/74

- sign 0.000+/-0.000 χ^2/NDF : 34535806.9/37

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 :101734846.1/19

Right Out: 0.002+/-0.000 χ^2/NDF : 3041331104.7/18

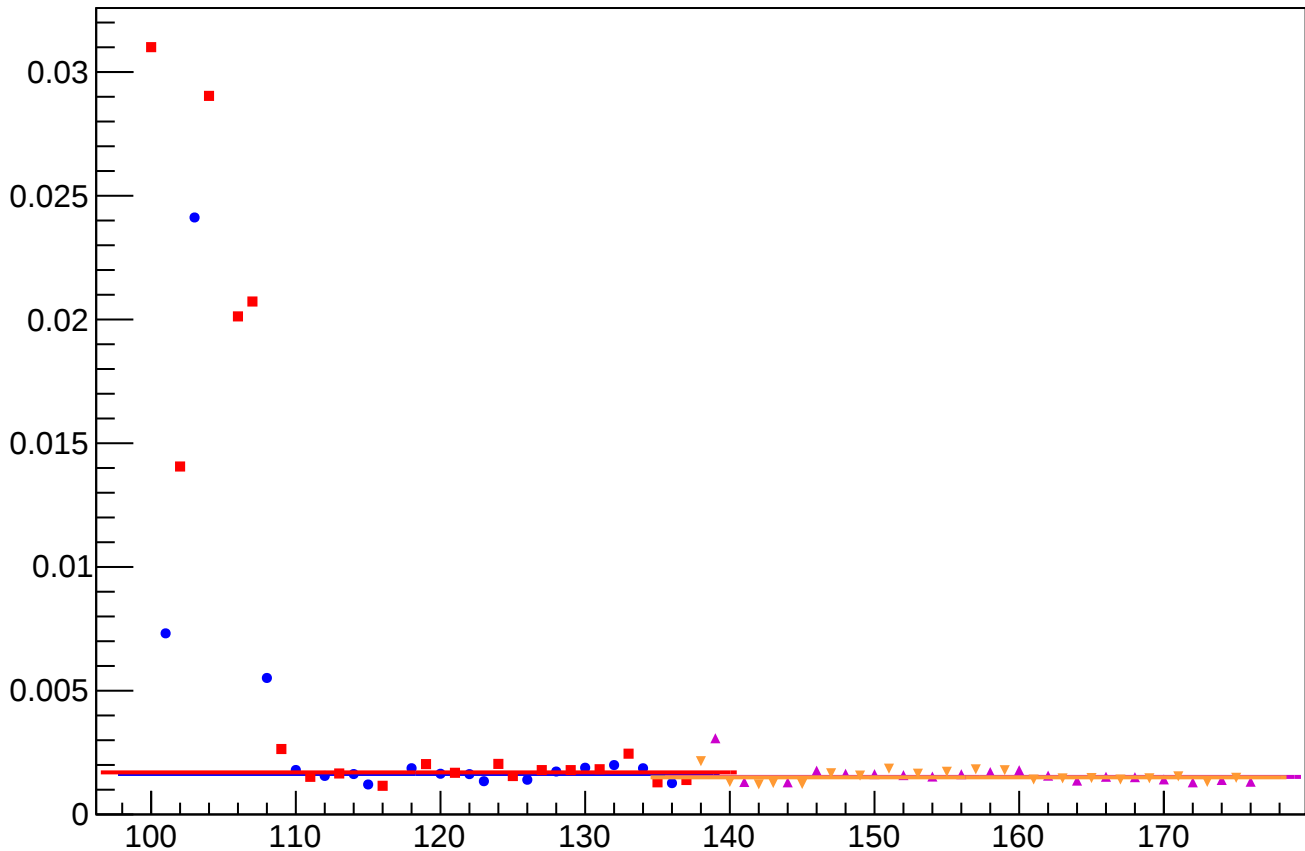
Left In: -0.000+/-0.000 χ^2/NDF :68786589.5/18

+ sign -0.001+/-0.000 χ^2/NDF : 9899110865.1/36

All: -0.001+/-0.000 χ^2/NDF : 13022509179.3/37

- sign 0.000+/-0.000 χ^2/NDF : 3116401943.8/37

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: 456209.5/19

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3025332.9/18

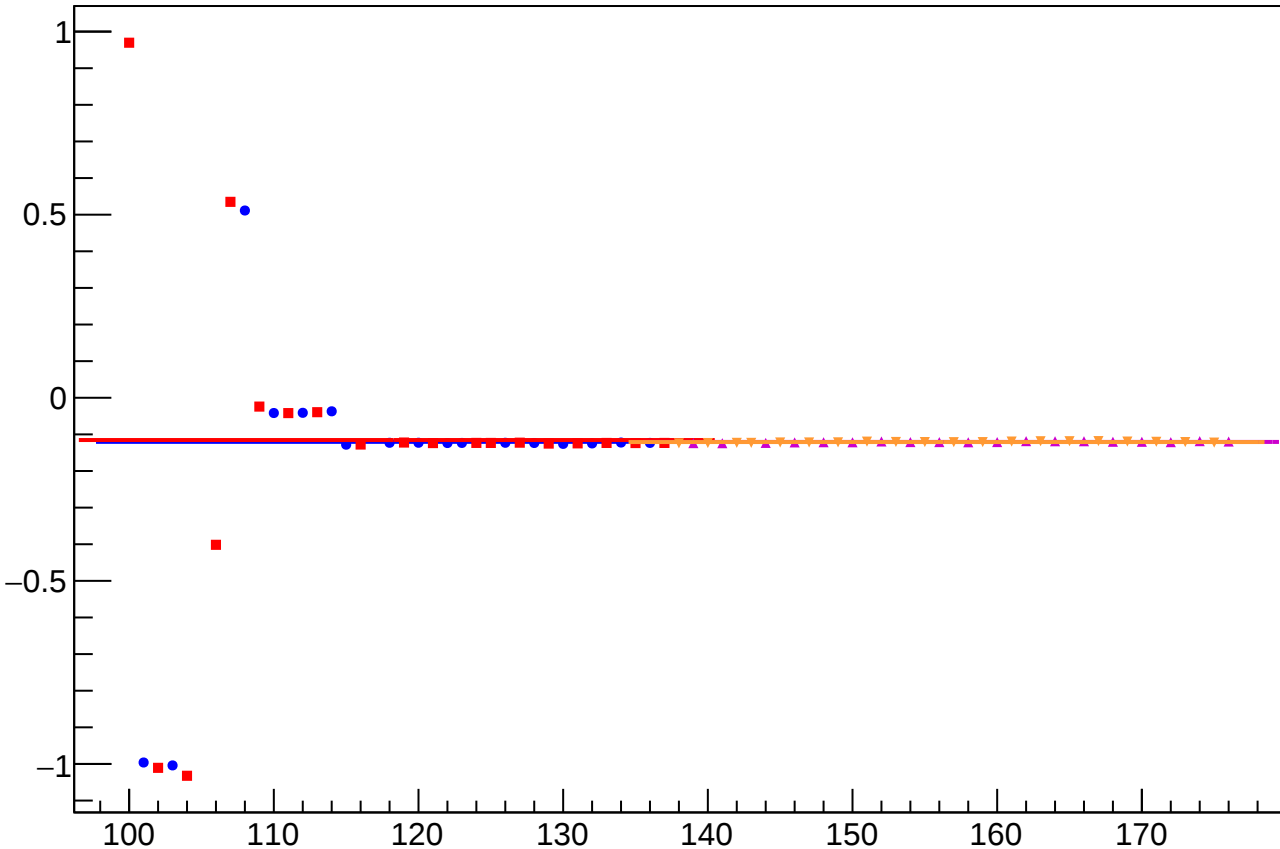
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 594962.3/18

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2422823.5/36

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6127094.9/74

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3699561.9/37

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 393231162.8/16

Left Out: -0.121+/-0.000 χ^2/NDF :34030303.3/19

Right Out: -0.115 ± 0.000 χ^2/NDF : 2457092455.9/18

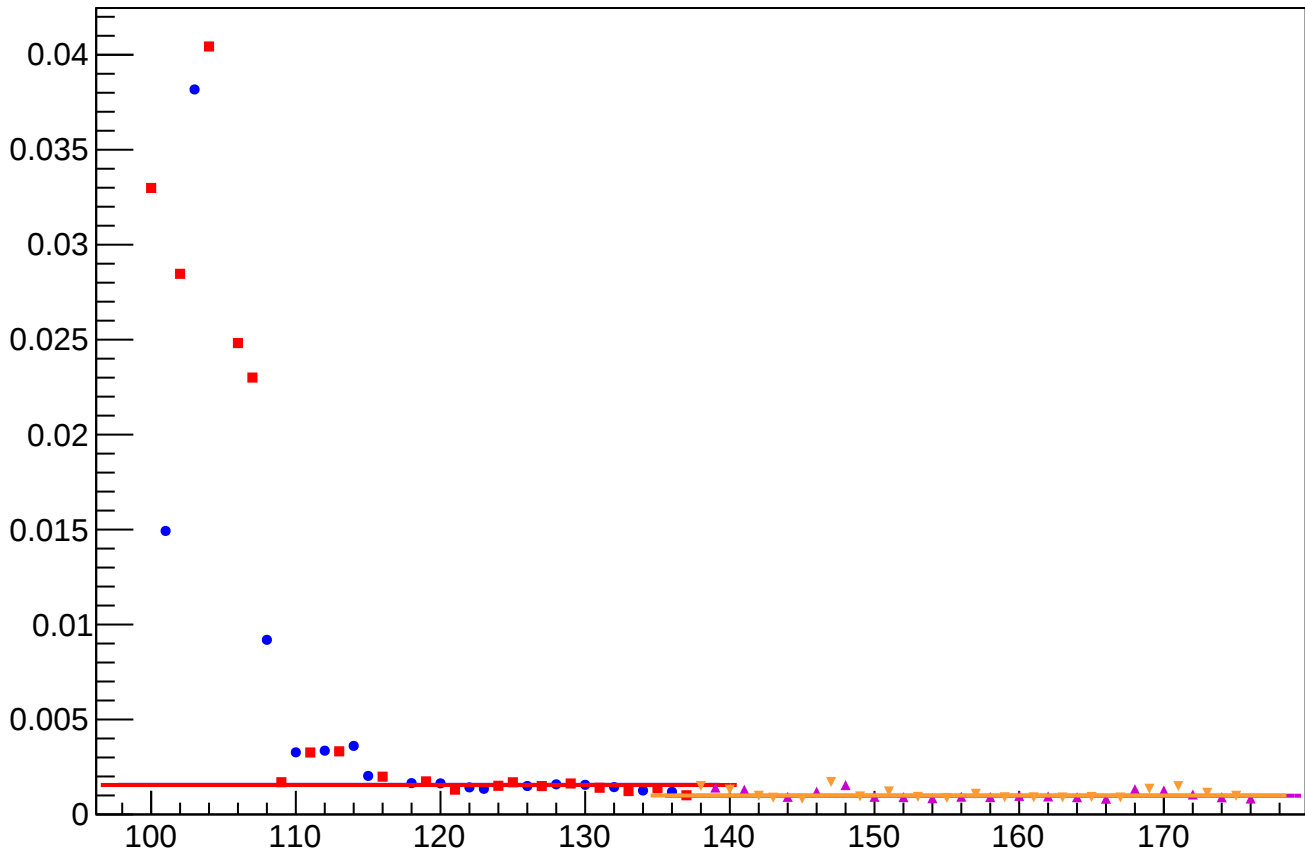
Left In: -0.121+/-0.000 χ^2/NDF :33887871.6/18

+ sign -0.121+/-0.000 χ^2/NDF : 3966891715.4/36

All: -0.120 ± 0.000 χ^2/NDF : 6508513258.5/7

- sign -0.120+/-0.000 χ^2/NDF : 2535551120.2/37

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:1034777.0/19

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3538622.3/18

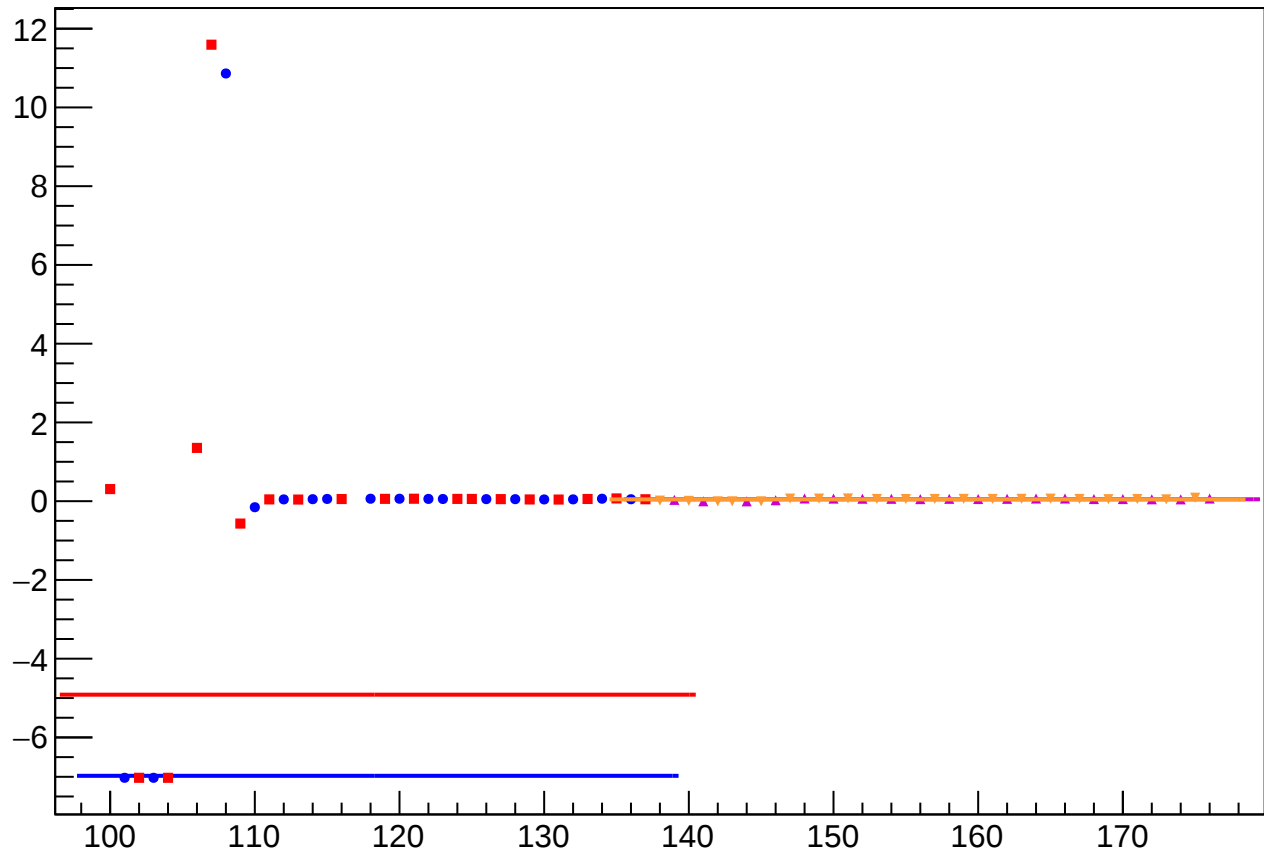
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:798361.8/18

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 4981969.6/36

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 10387576.5/74

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5403405.3/37

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8787948713830.4/16

Left Out: 0.046+/-0.000 χ^2/NDF : 112429124.2/19

Right Out: -4.914+/-0.000 χ^2/NDF : 365362215369689.4/18

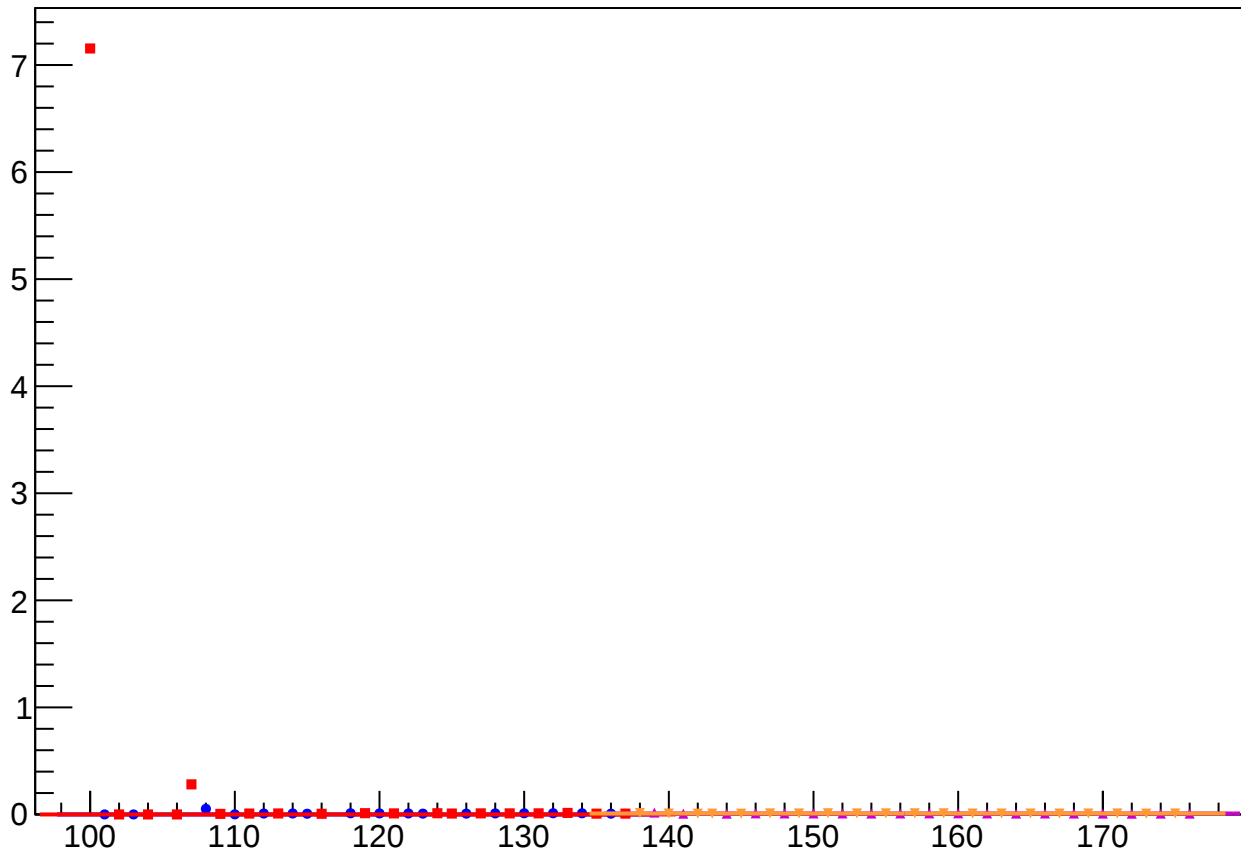
Left In: 0.048+/-0.000 χ^2/NDF : 78143090.8/18

+ sign -6.933+/-0.000 χ^2/NDF : 16308654318647.2/16

All: -5.866+/-0.000 χ^2/NDF : 4409025701943.4/16

- sign -4.888+/-0.000 χ^2/NDF : 368959339381709.4/16

yield_cav4dX_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 8362763.6/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:453860.2/19

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8802124.3/18

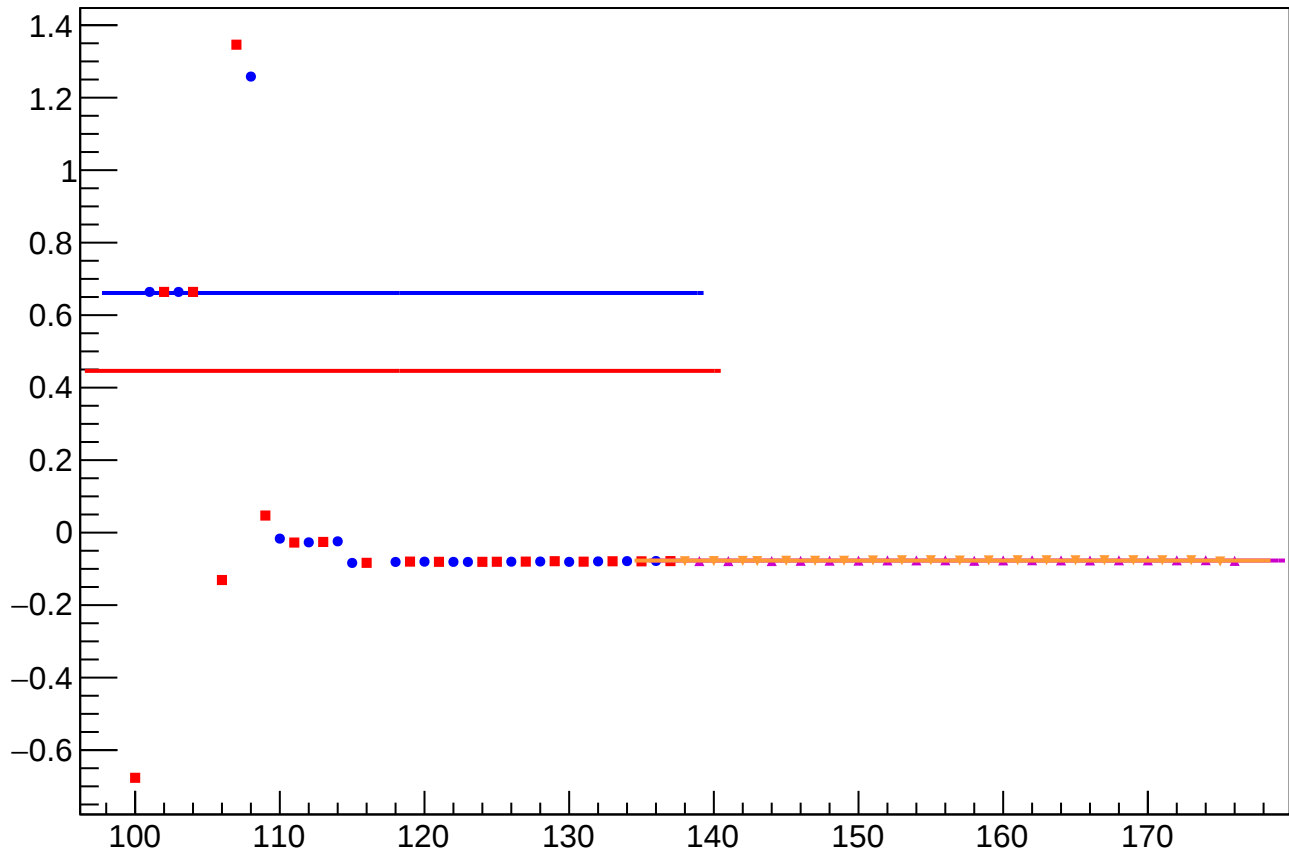
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:590297.7/18

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 31805054.2/36

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 63715637.9/74

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 31908239.9/37

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: 50980116.4/19

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405428604683882.5/18

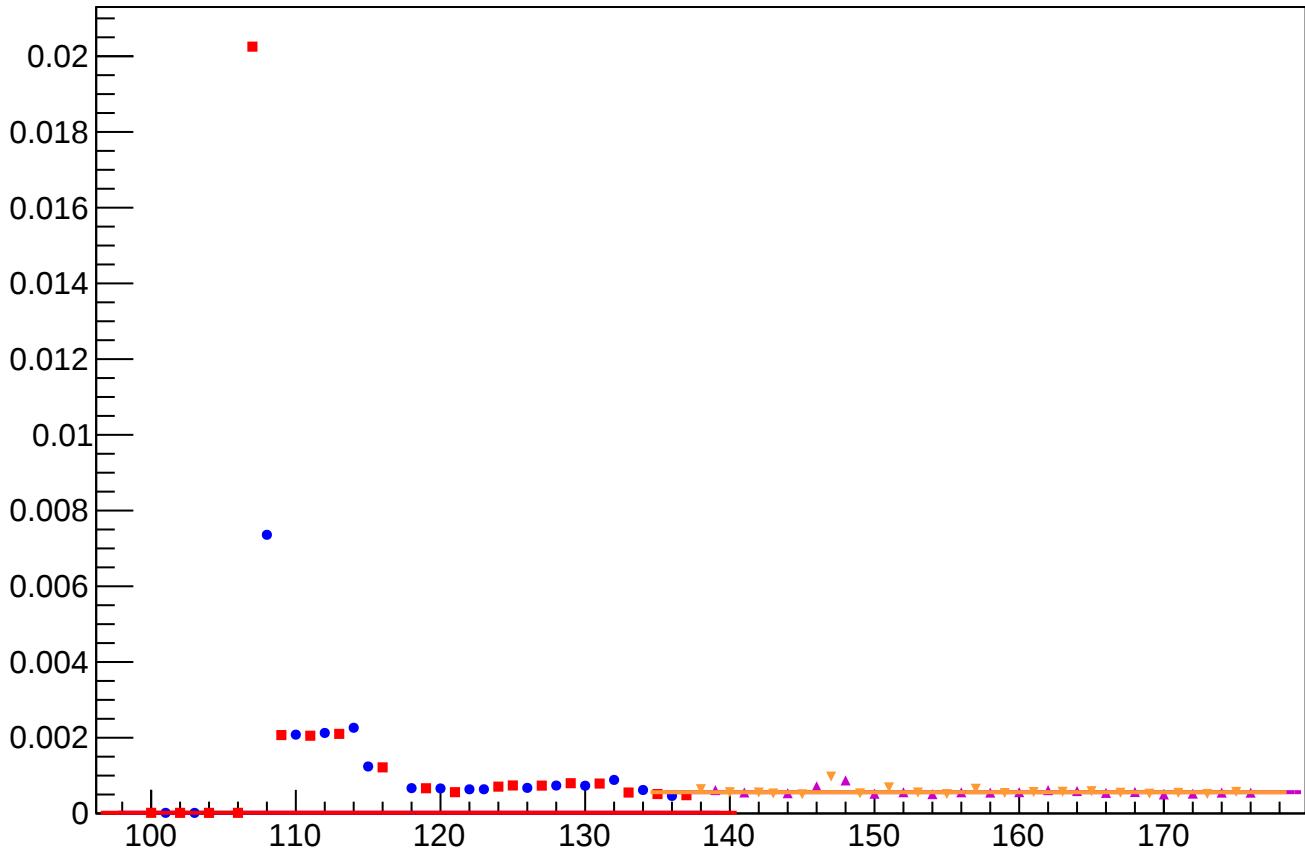
Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 28513153.0/18

+ sign 0.649 $\pm$ 0.000 χ^2 /NDF: 29903565440376.6/3

All: 0.539 $\pm$ 0.000 χ^2 /NDF: 50847583747583

- sign 0.438 $\pm$ 0.000 χ^2 /NDF: 417342469074470.7/3

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 : 439593.7/19

Right Out: 0.000+/-0.000 χ^2/NDF : 9500798.4/18

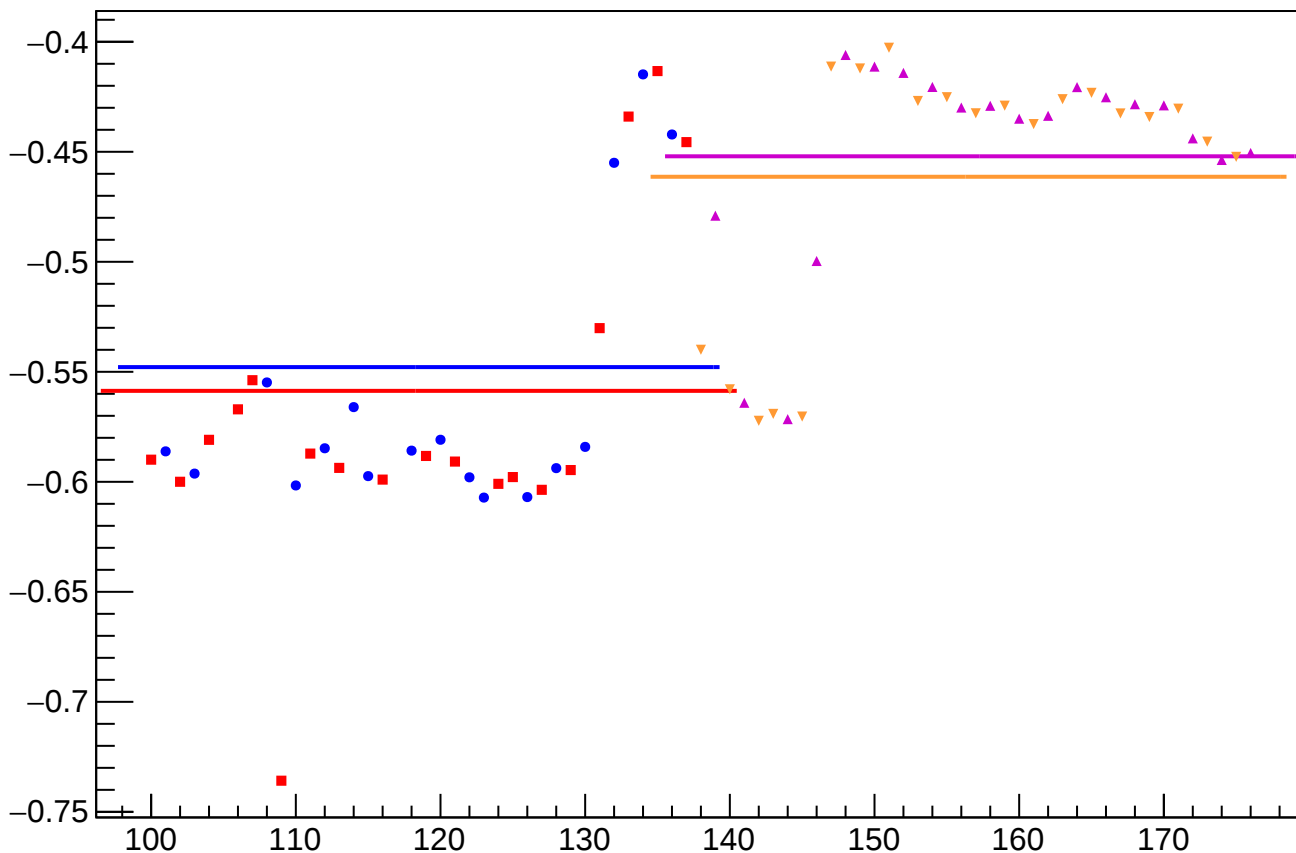
Left In: 0.001+/-0.000 χ^2/NDF : 353109.1/18

+ sign 0.000+/-0.000 χ^2/NDF : 36661535.8/36

All: 0.000+/-0.000 χ^2/NDF : 72262374.4/74

- sign 0.000+/-0.000 χ^2/NDF : 35597799.8/37

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2/NDF : 48579920.8/16

Left Out: -0.461+/-0.000 χ^2/NDF : 106468892.8/19

Right Out: -0.559+/-0.000 χ^2/NDF : 65682293.5/18

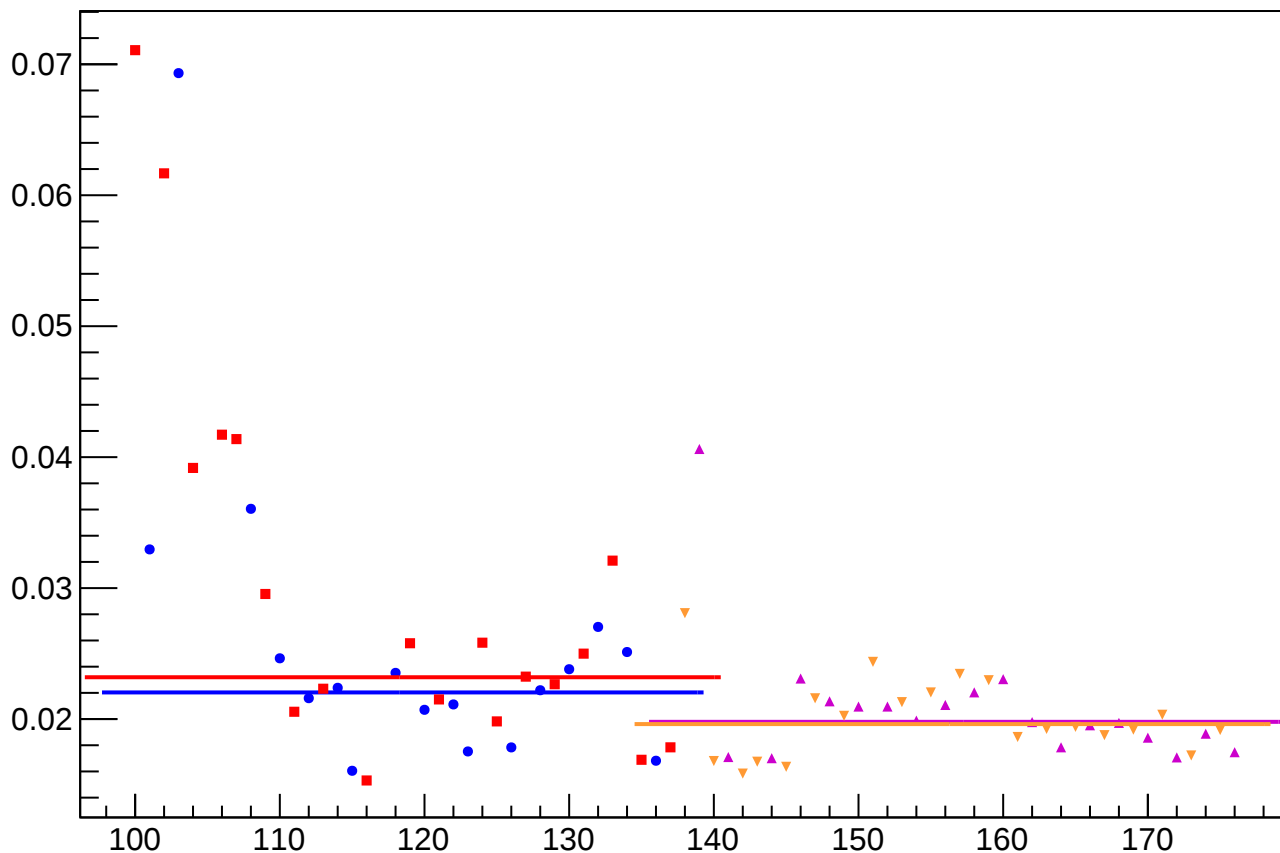
Left In: -0.452+/-0.000 χ^2/NDF : 75228540.1/18

+ sign -0.483+/-0.000 χ^2/NDF : 213910408.0/36

All: -0.481+/-0.000 χ^2/NDF : 439937793.5/74

- sign -0.479+/-0.000 χ^2/NDF : 225593119.5/37

yield_bpm4aX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 958966.6/16

Left Out: 0.020+/-0.000 χ^2/NDF : 425715.5/19

Right Out: 0.023+/-0.000 χ^2/NDF : 1156989.7/18

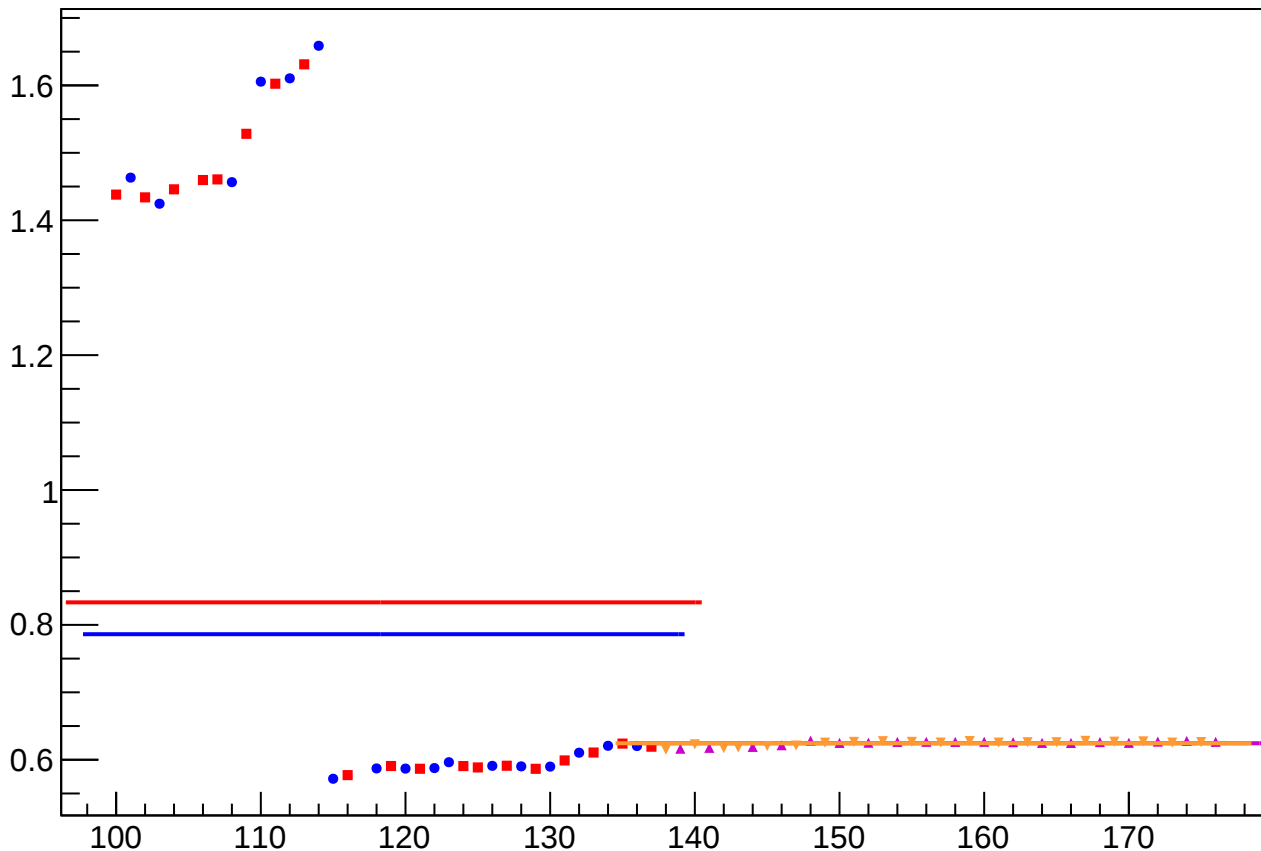
Left In: 0.020+/-0.000 χ^2/NDF : 574212.9/18

+ sign 0.020+/-0.000 χ^2/NDF : 1476576.3/36

All: 0.020+/-0.000 χ^2/NDF : 3387358.3/74

- sign 0.021+/-0.000 χ^2/NDF : 1903969.3/37

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:1262074.9/19

Right Out: 0.833 $\pm$ 0.000 χ^2 /NDF: 4156812252.4/18

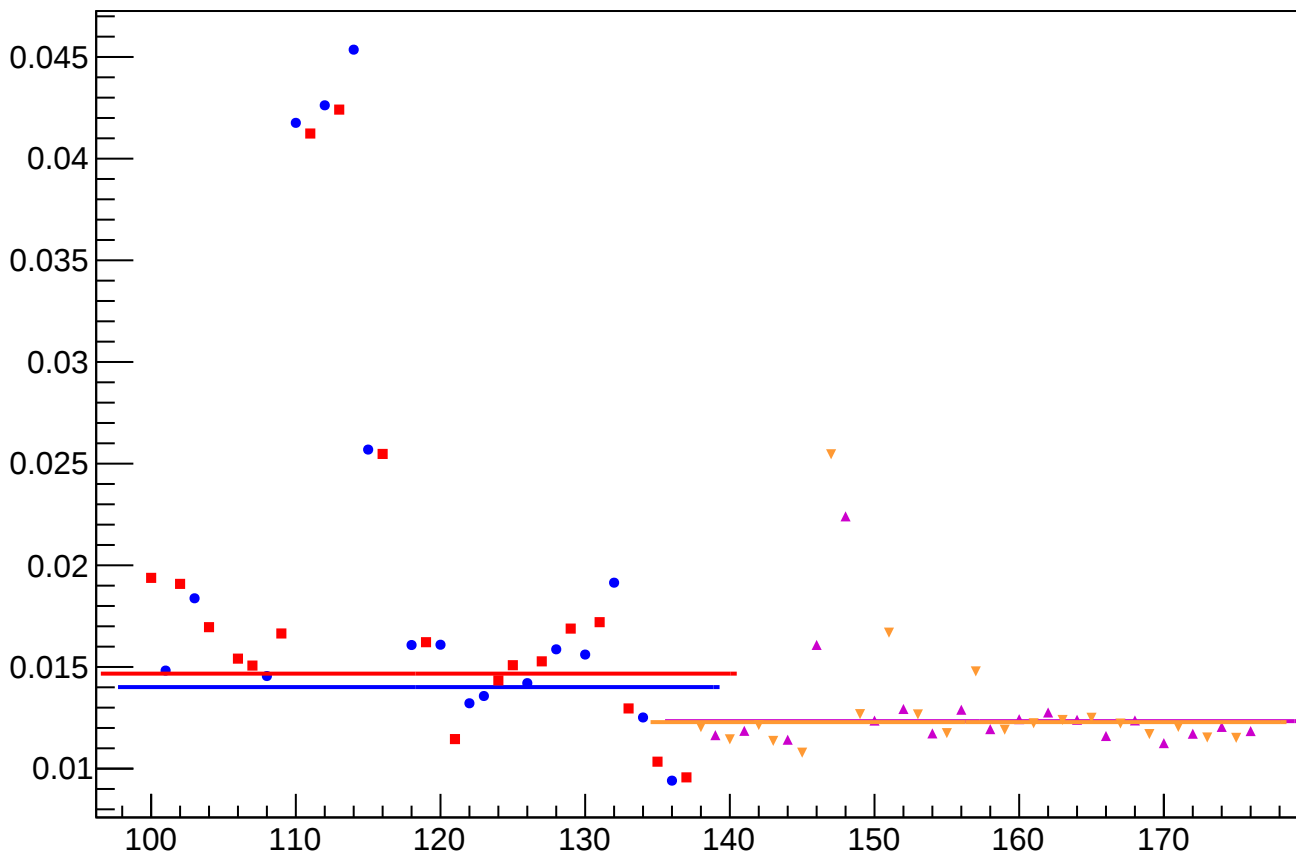
Left In: 0.624 $\pm$ 0.000 χ^2 /NDF:1058287.8/18

+ sign 0.662 $\pm$ 0.000 χ^2 /NDF: 4170748561.5/36

All: 0.668 $\pm$ 0.000 χ^2 /NDF: 9271609937.1/74

- sign 0.673 $\pm$ 0.000 χ^2 /NDF: 5093886932.8/37

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: 612485.5/19

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1263462.0/18

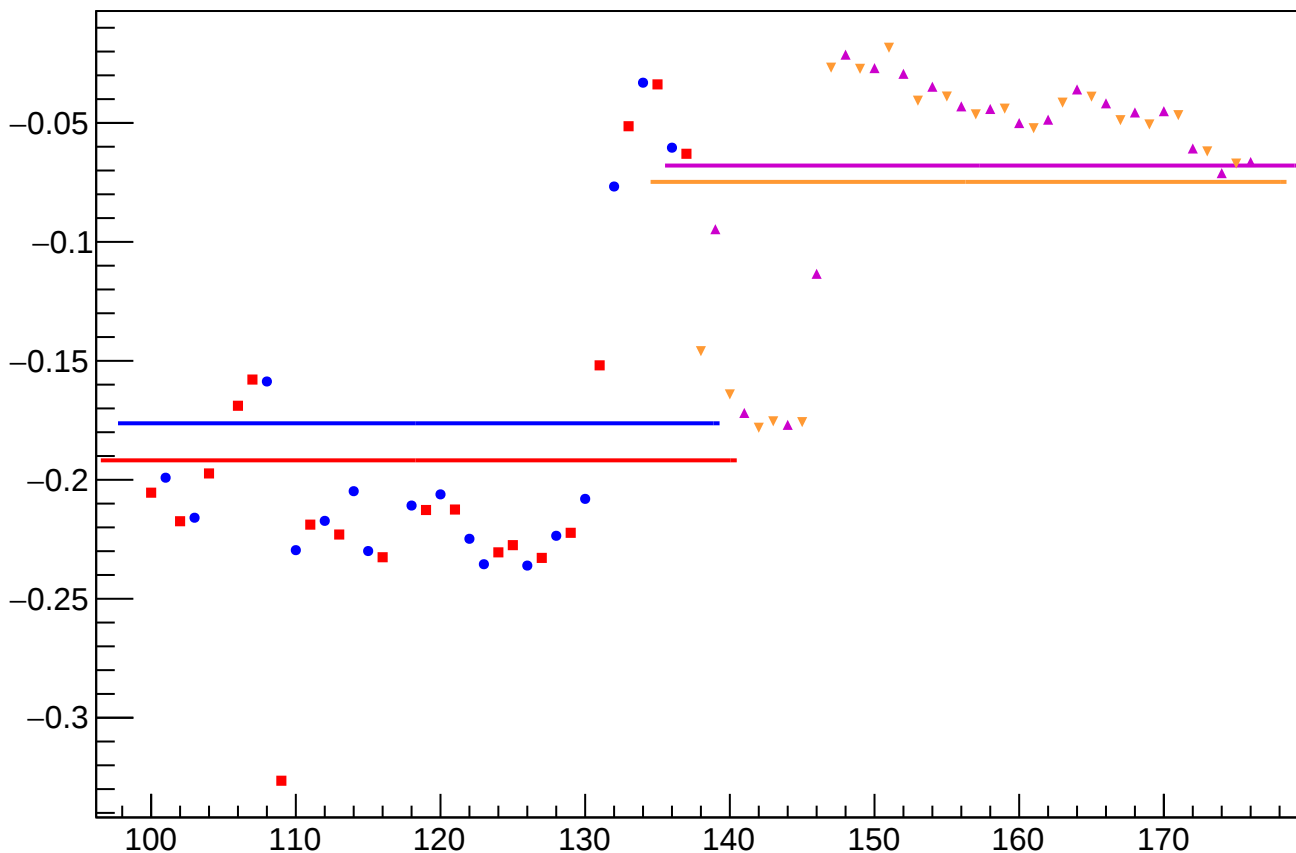
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 444059.8/18

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2148876.1/36

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4094779.3/74

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1941606.8/37

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70137178.3/16

Left Out: -0.075+/-0.000 χ^2/NDF : 101307839.4/19

Right Out: -0.192+/-0.000 χ^2/NDF : 83809115.6/18

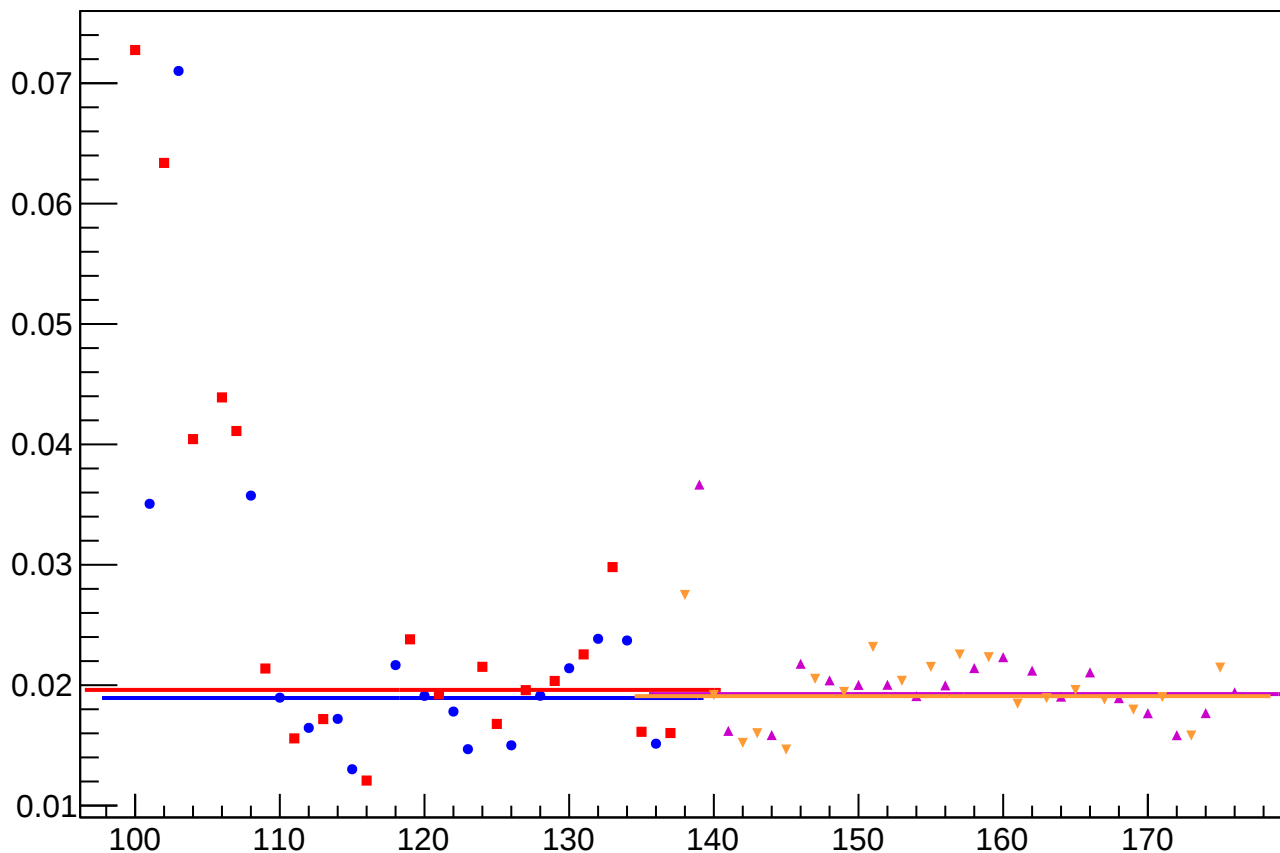
Left In: -0.068+/-0.000 χ^2/NDF : 75605032.8/18

+ sign -0.105+/-0.000 χ^2/NDF : 272816626.0/36

All: -0.105+/-0.000 χ^2/NDF : 578116371.6/74

- sign -0.105+/-0.000 χ^2/NDF : 305299635.8/37

yield_bpm4eX_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1205858.0/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:495335.7/19

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1457660.9/18

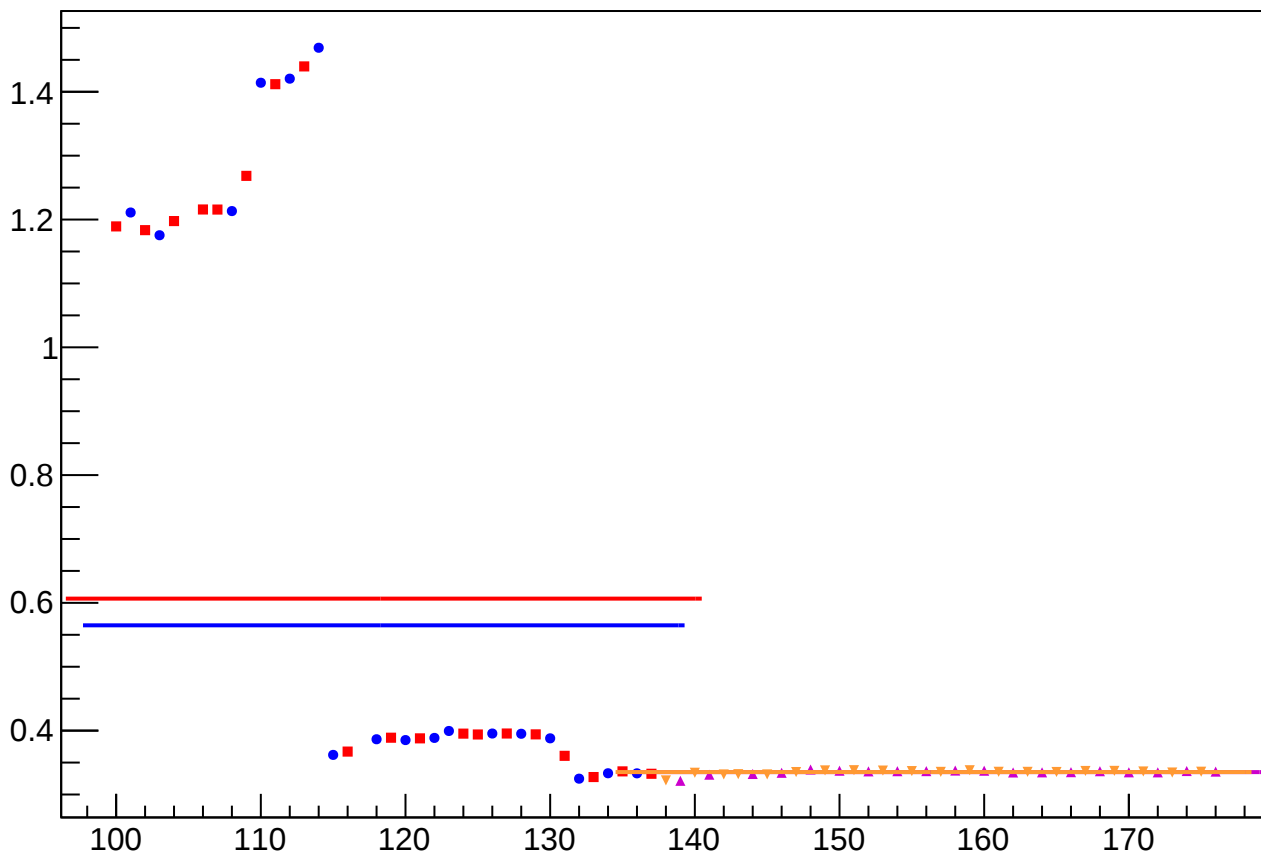
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:560991.3/18

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1701661.9/36

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 3727370.2/74

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 2020979.5/37

yield_bpm4eY_mean vs Slug



Right In: 0.565 $\pm$ 0.000 χ^2 /NDF: 5030969499.3/16

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1135961.9/19

Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5513752213.8/18

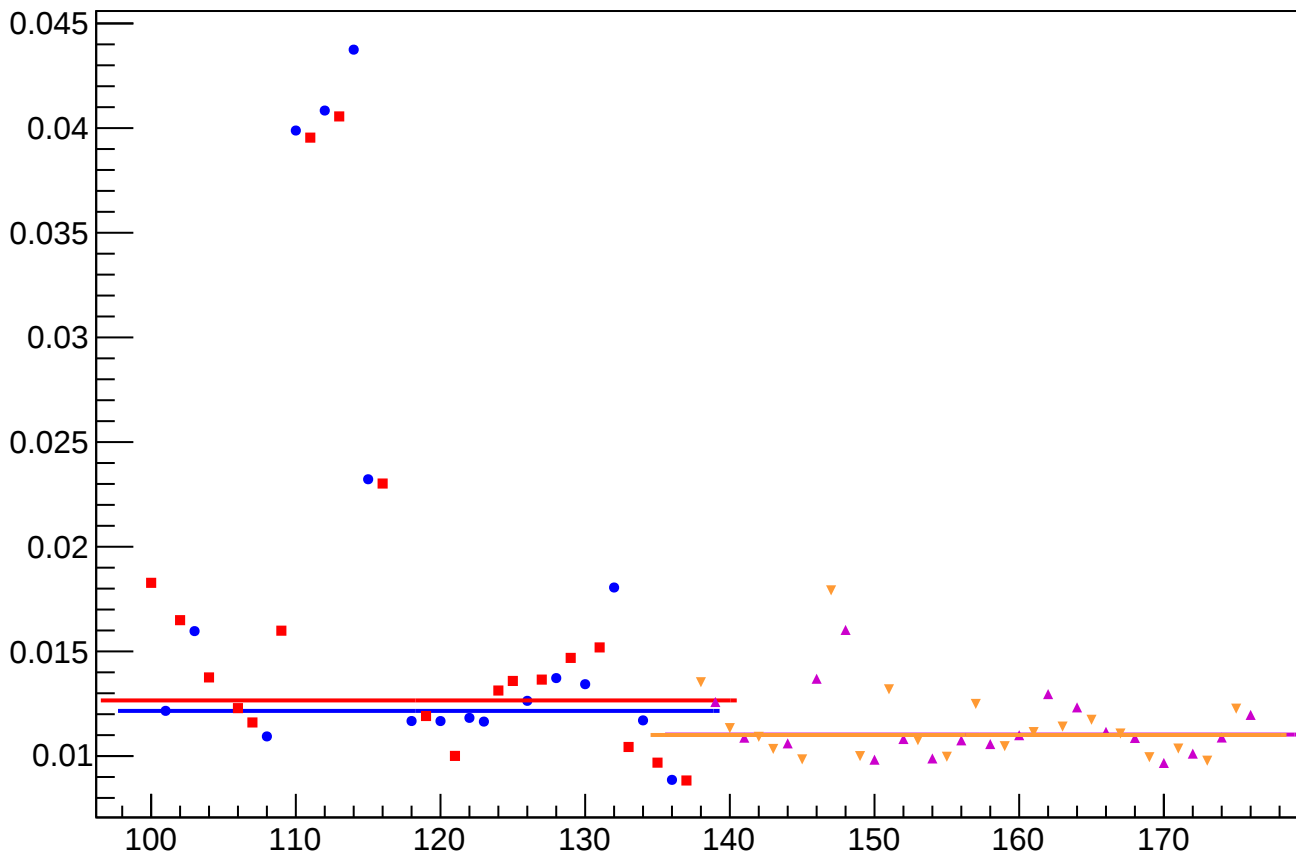
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1194898.8/18

+ sign 0.392 $\pm$ 0.000 χ^2 /NDF: 6557526295.2/36

All: 0.396 $\pm$ 0.000 χ^2 /NDF: 14132633248.1/7

- sign 0.401 $\pm$ 0.000 χ^2 /NDF: 7568262848.6/37

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: 467712.0/19

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1270689.5/18

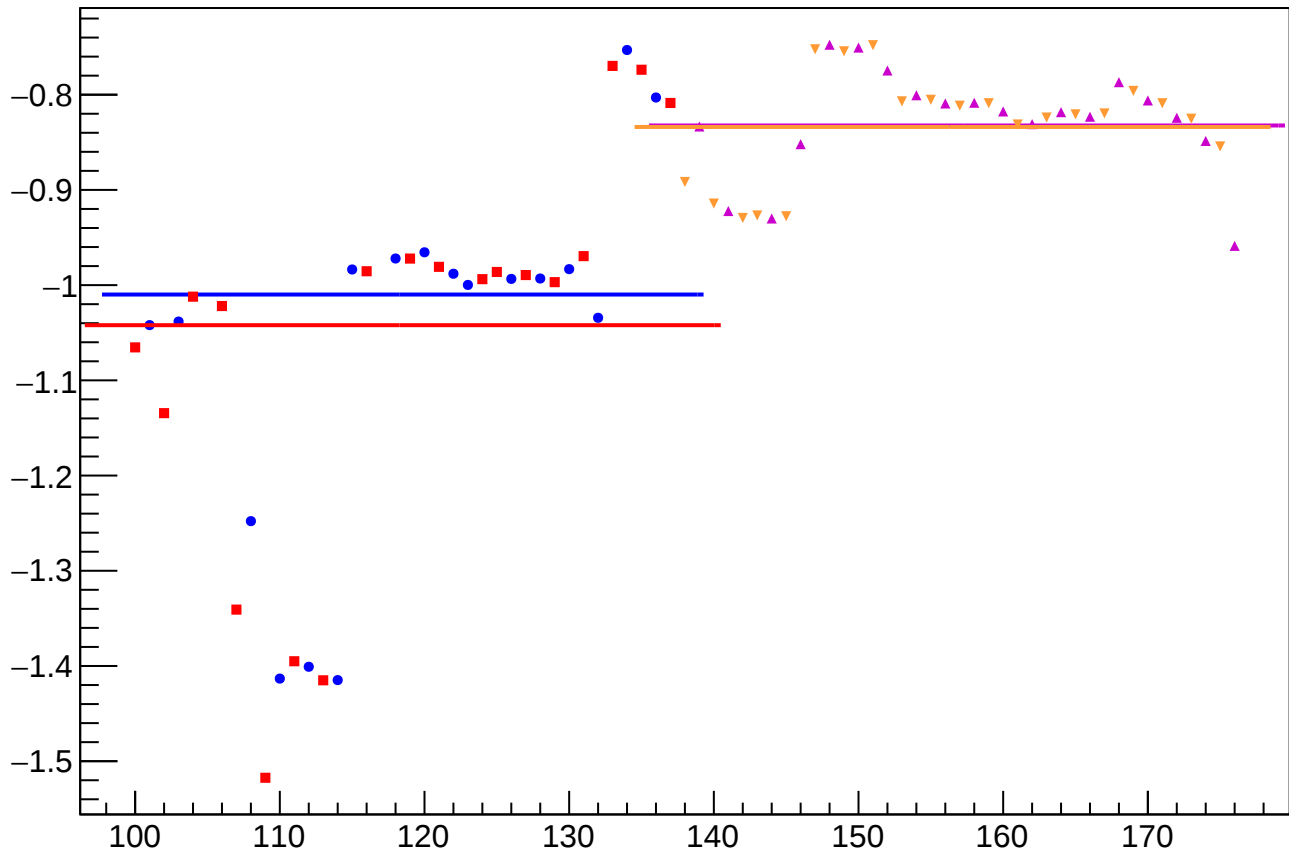
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 377169.1/18

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1854031.9/36

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3652830.9/74

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1796100.8/37

yield_bpm4acX_mean vs Slug



Right In: -1.010 ± 0.000 χ^2/NDF : 387650332.0/16

Left Out: -0.834 ± 0.000 χ^2/NDF : 98575625.5/19

Right Out: -1.042 ± 0.000 χ^2/NDF : 530106141.8/18

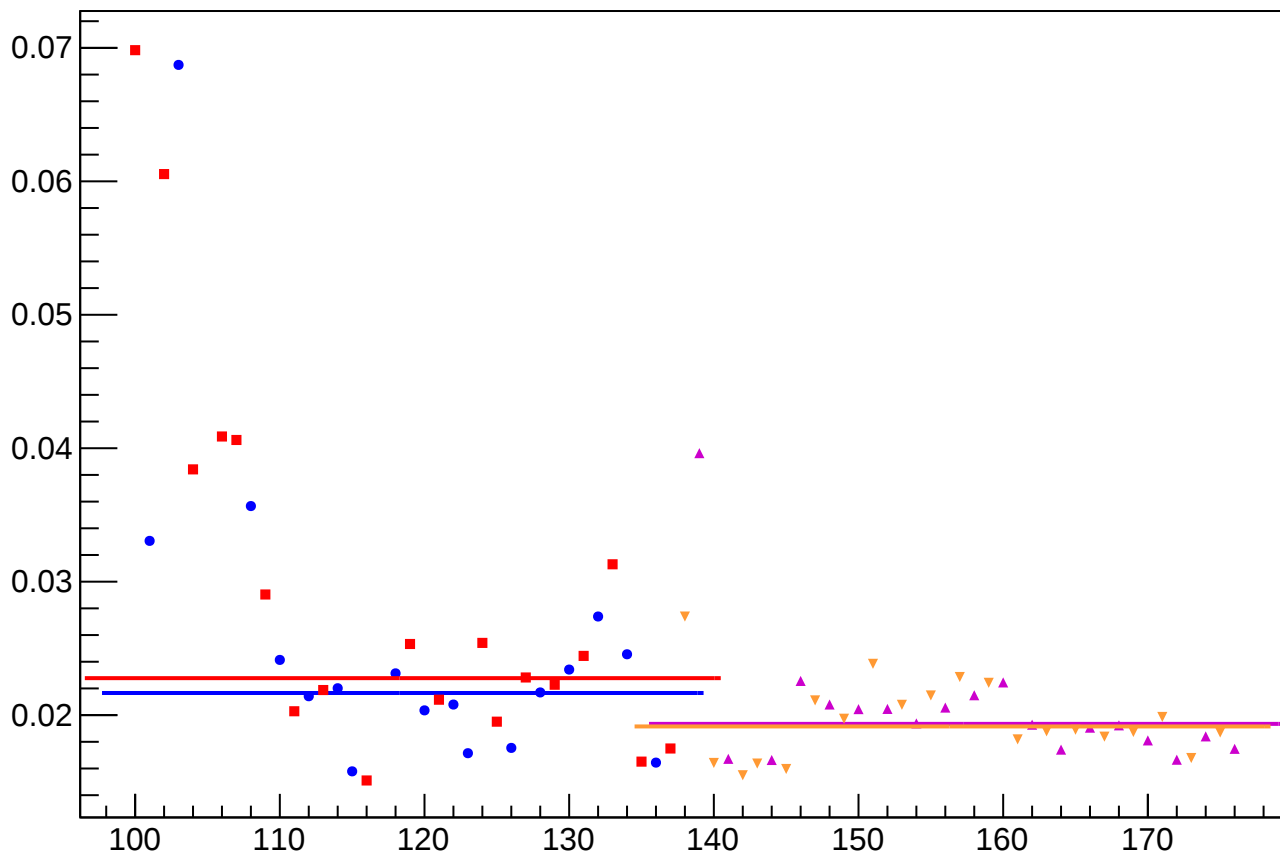
Left In: -0.832 ± 0.000 χ^2/NDF : 107713338.9/18

+ sign -0.878 ± 0.000 χ^2/NDF : 738865181.4/36

All: -0.881 ± 0.000 χ^2/NDF : 1717757227.5/7

- sign -0.884 ± 0.000 χ^2/NDF : 978053633.9/37

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 : 424160.6/19

Right Out: 0.023 ± 0.000 χ^2/NDF : 1152617.8/18

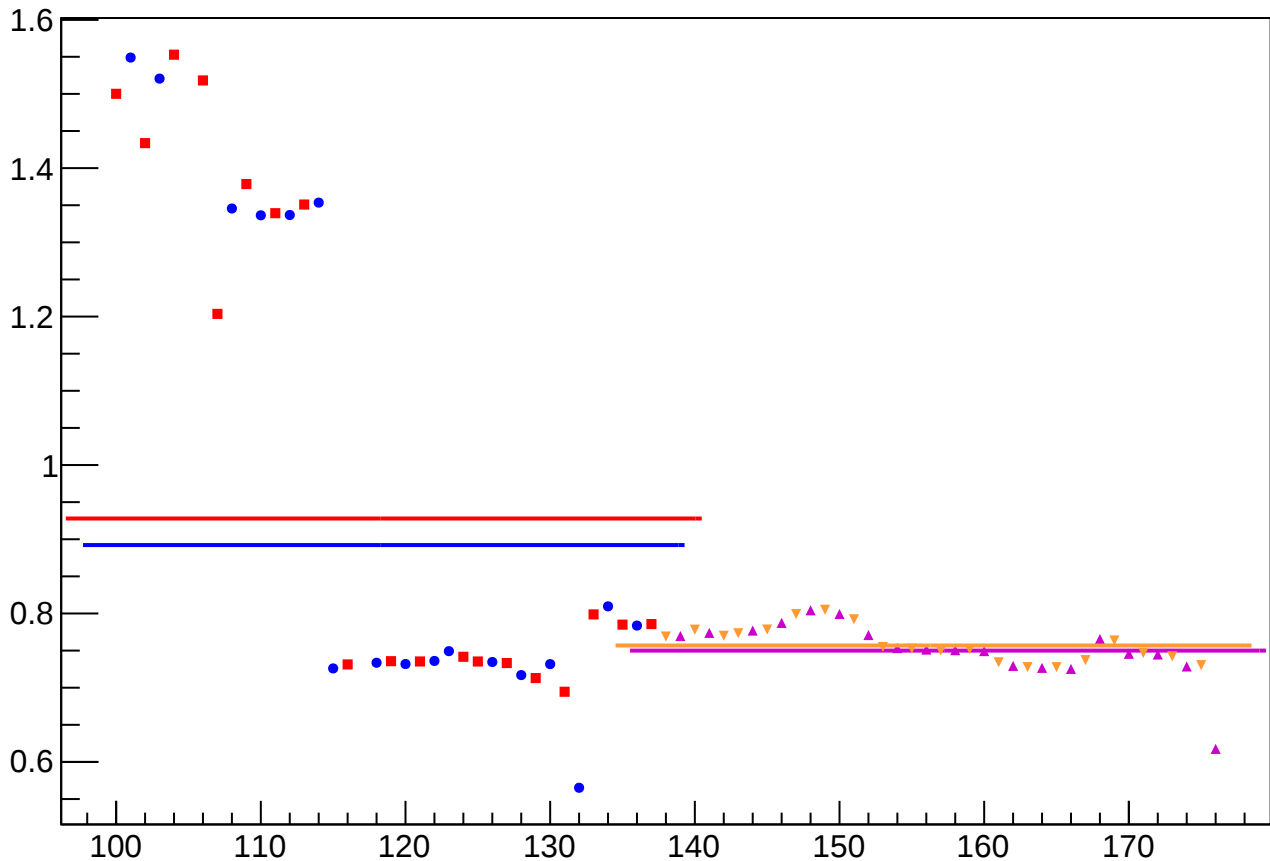
Left In: 0.019 ± 0.000 χ^2/NDF : 563869.4/18

+ sign 0.020 ± 0.000 χ^2/NDF : 1510171.0/36

All: 0.020 ± 0.000 χ^2/NDF : 3415482.2/74

- sign 0.020 ± 0.000 χ^2/NDF : 1898065.5/37

yield_bpm4acY_mean vs Slug



Right In: 0.892 $\pm$ 0.000 χ^2 /NDF: 2413732173.6/16

Left Out: 0.757 $\pm$ 0.000 χ^2 /NDF:43212302.7/19

Right Out: 0.928 $\pm$ 0.000 χ^2 /NDF: 2437542089.2/18

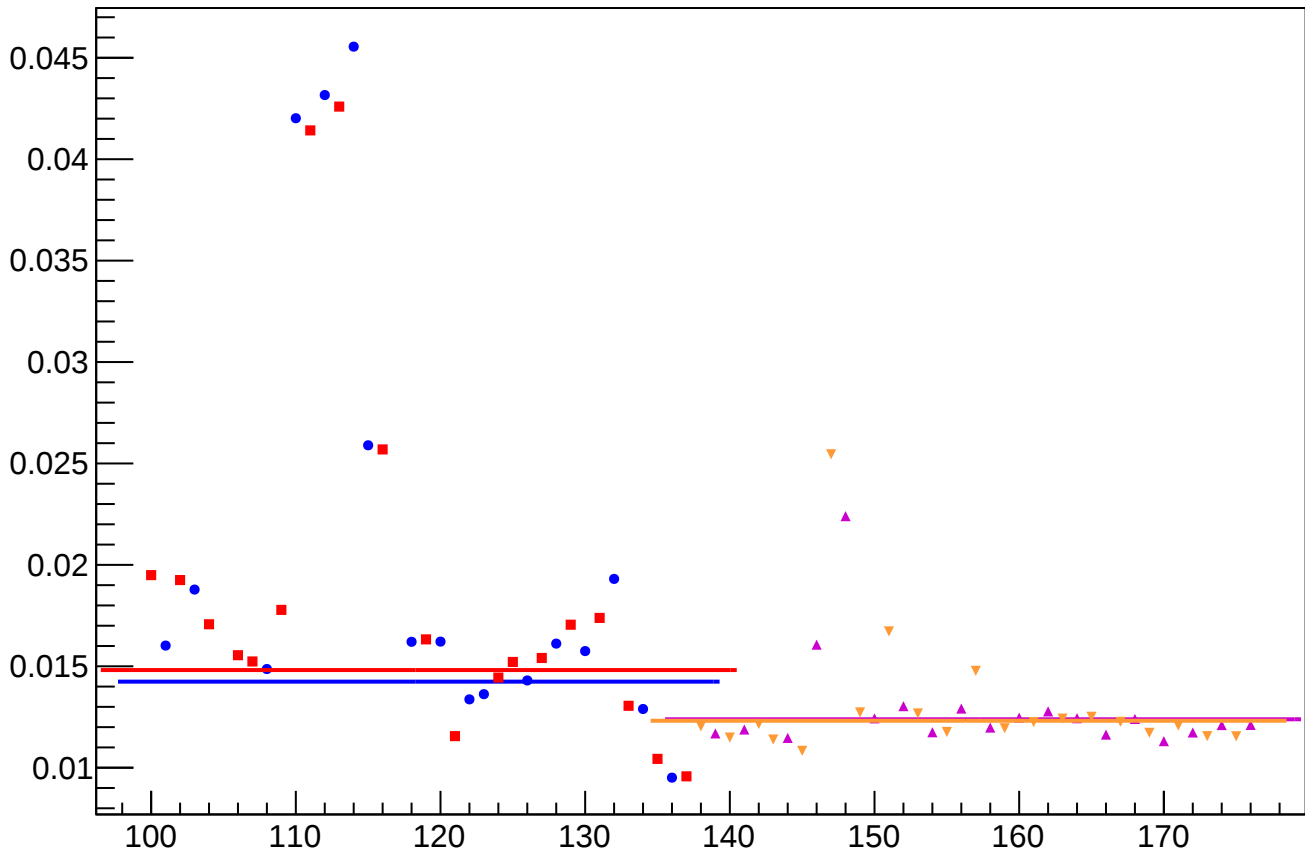
Left In: 0.750 $\pm$ 0.000 χ^2 /NDF:127938342.5/18

+ sign 0.788 $\pm$ 0.000 χ^2 /NDF: 2850475350.5/36

All: 0.789 $\pm$ 0.000 χ^2 /NDF: 6082389420.7/74

- sign 0.791 $\pm$ 0.000 χ^2 /NDF: 3231307344.2/37

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:607698.5/19

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1274172.7/18

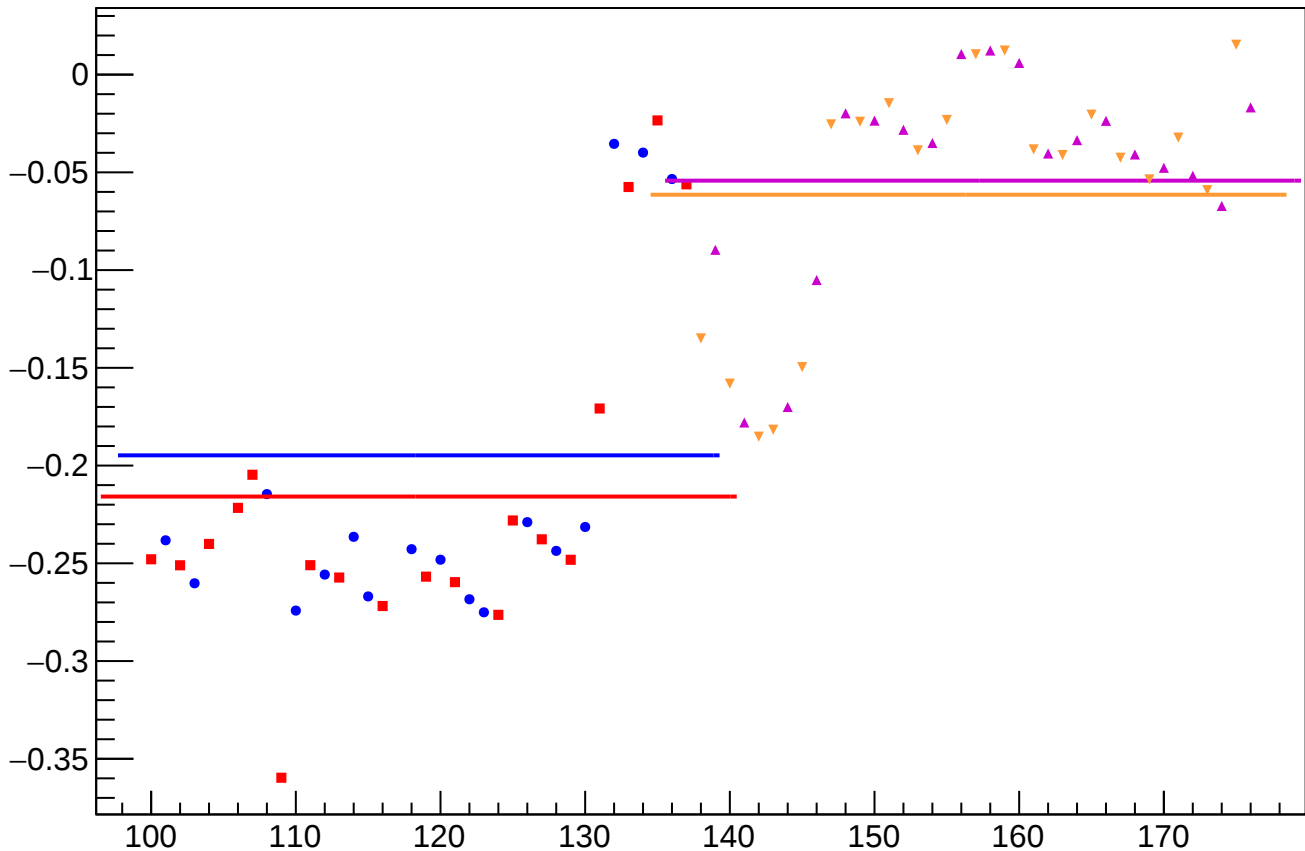
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:437725.8/18

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2183082.5/36

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4146859.8/74

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1959416.3/37

yield_bpm4ecX_mean vs Slug



Right In: -0.195+/-0.000 χ^2/NDF : 108656195.5/16

Left Out: -0.061+/-0.000 χ^2/NDF : 126349027.8/19

Right Out: -0.216+/-0.000 χ^2/NDF : 111983904.6/18

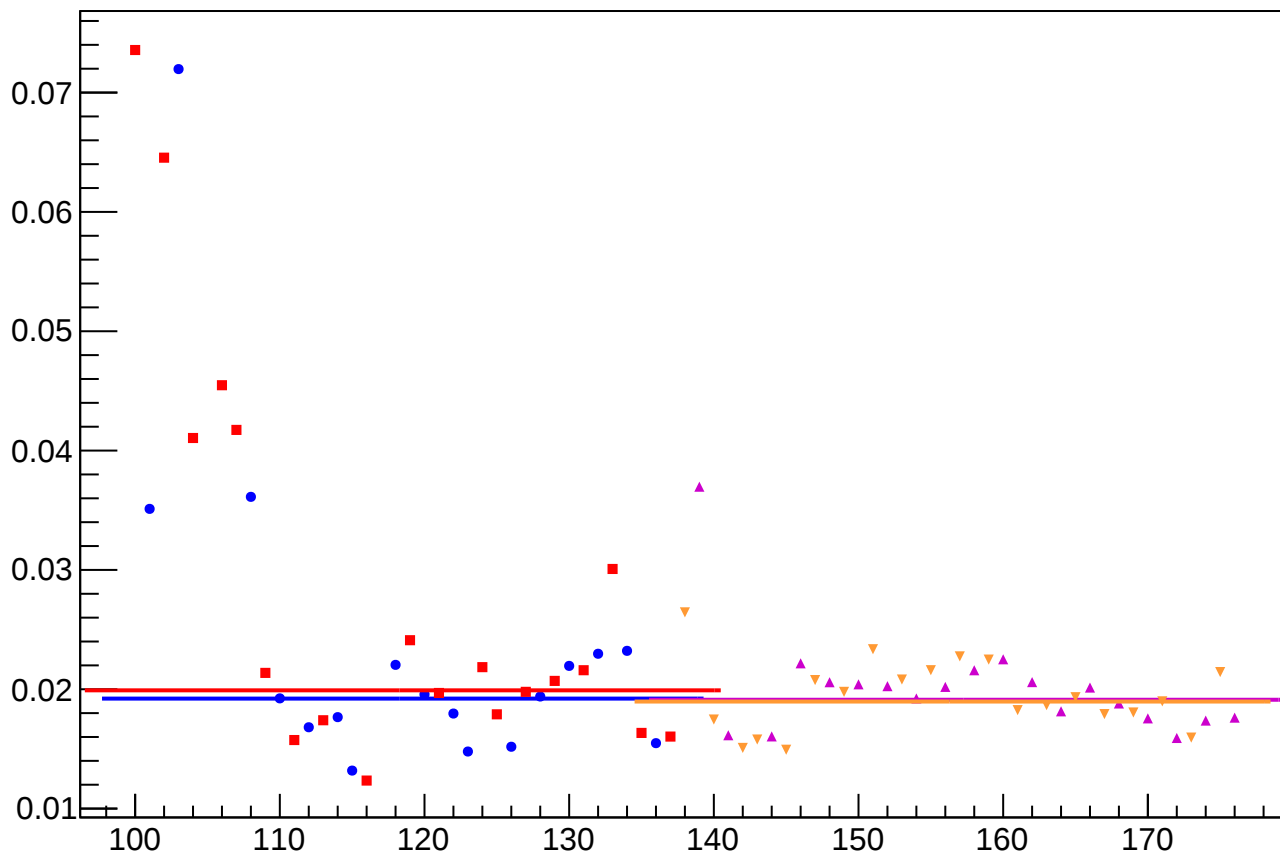
Left In: -0.054+/-0.000 χ^2/NDF : 100583846.7/18

+ sign -0.100+/-0.000 χ^2/NDF : 406762575.9/36

All: -0.100+/-0.000 χ^2/NDF : 862383824.3/74

- sign -0.101+/-0.000 χ^2/NDF : 455600422.4/37

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1177085.4/16

Left Out: 0.019+/-0.000 χ^2/NDF : 493275.4/19

Right Out: 0.020+/-0.000 χ^2/NDF : 1446950.0/18

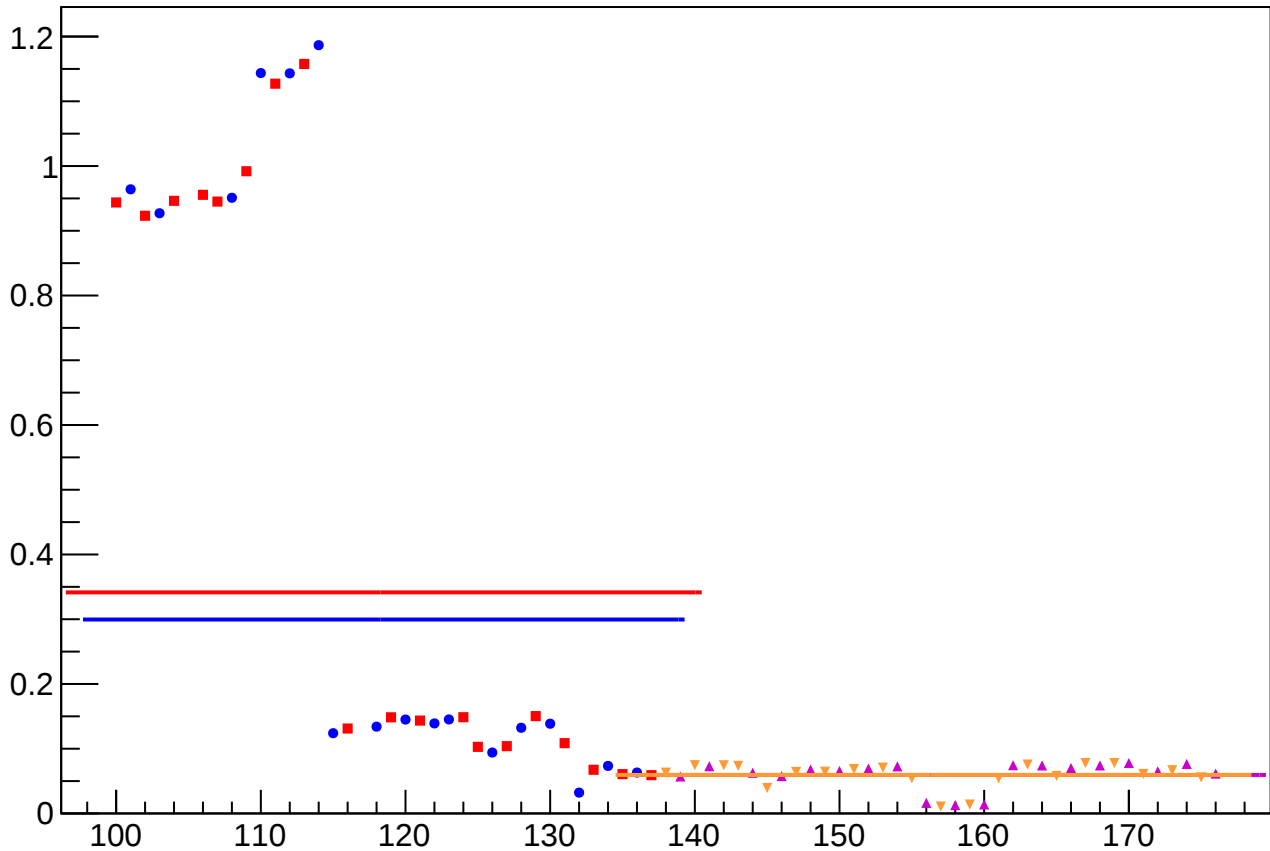
Left In: 0.019+/-0.000 χ^2/NDF : 582725.0/18

+ sign 0.019+/-0.000 χ^2/NDF : 1671532.1/36

All: 0.019+/-0.000 χ^2/NDF : 3717146.9/74

- sign 0.019+/-0.000 χ^2/NDF : 2041282.5/37

yield_bpm4ecY_mean vs Slug



Right In: 0.300+/-0.000 χ^2/NDF : 5165052137.6/16

Left Out: 0.059+/-0.000 χ^2/NDF : 43926122.8/19

+ sign 0.117+/-0.000 χ^2/NDF : 6909153943.5/36

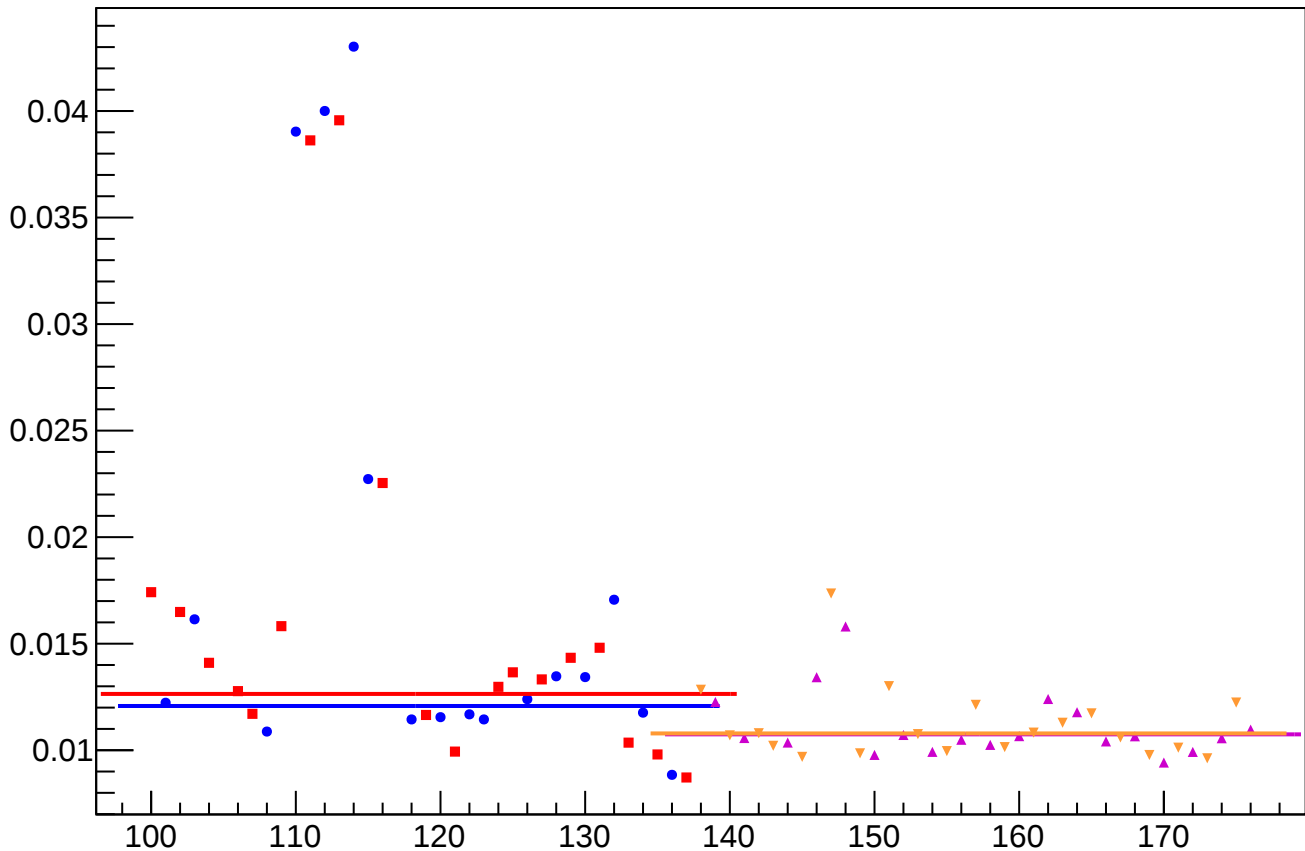
Right Out: 0.341+/-0.000 χ^2/NDF : 5450600455.1/18

All: 0.121+/-0.000 χ^2/NDF : 14668617433.1/37

Left In: 0.059+/-0.000 χ^2/NDF : 57214938.0/18

- sign 0.125+/-0.000 χ^2/NDF : 7754361303.6/37

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:442146.8/19

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1237706.0/18

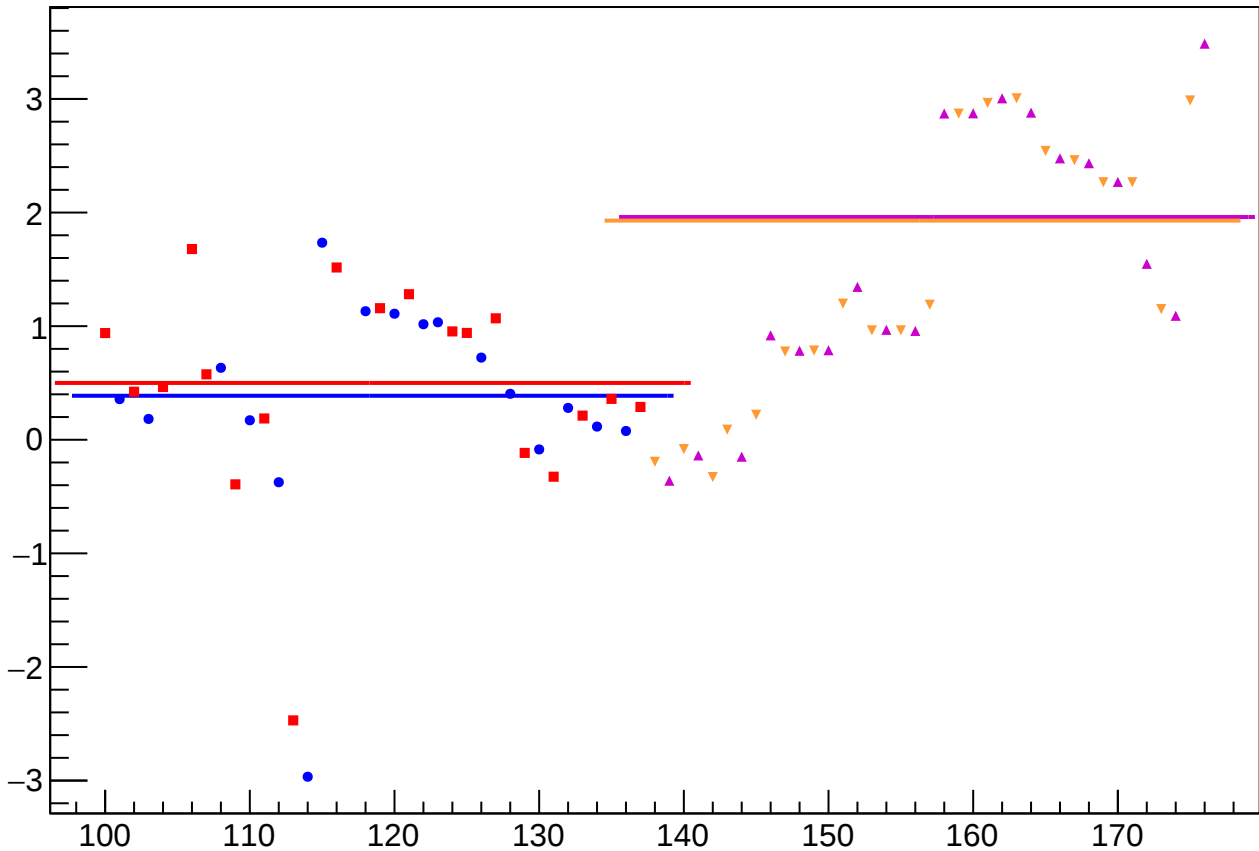
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:350164.6/18

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1822088.5/36

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3614609.4/74

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1791245.1/37

yield_bpm1X_mean vs Slug



Right In: 0.387+/-0.000 χ^2/NDF : 247912593.5/16

Left Out: 1.929+/-0.000 χ^2/NDF : 31636281444.8/19

+ sign 1.863+/-0.000 χ^2/NDF : 35863707601.3/36

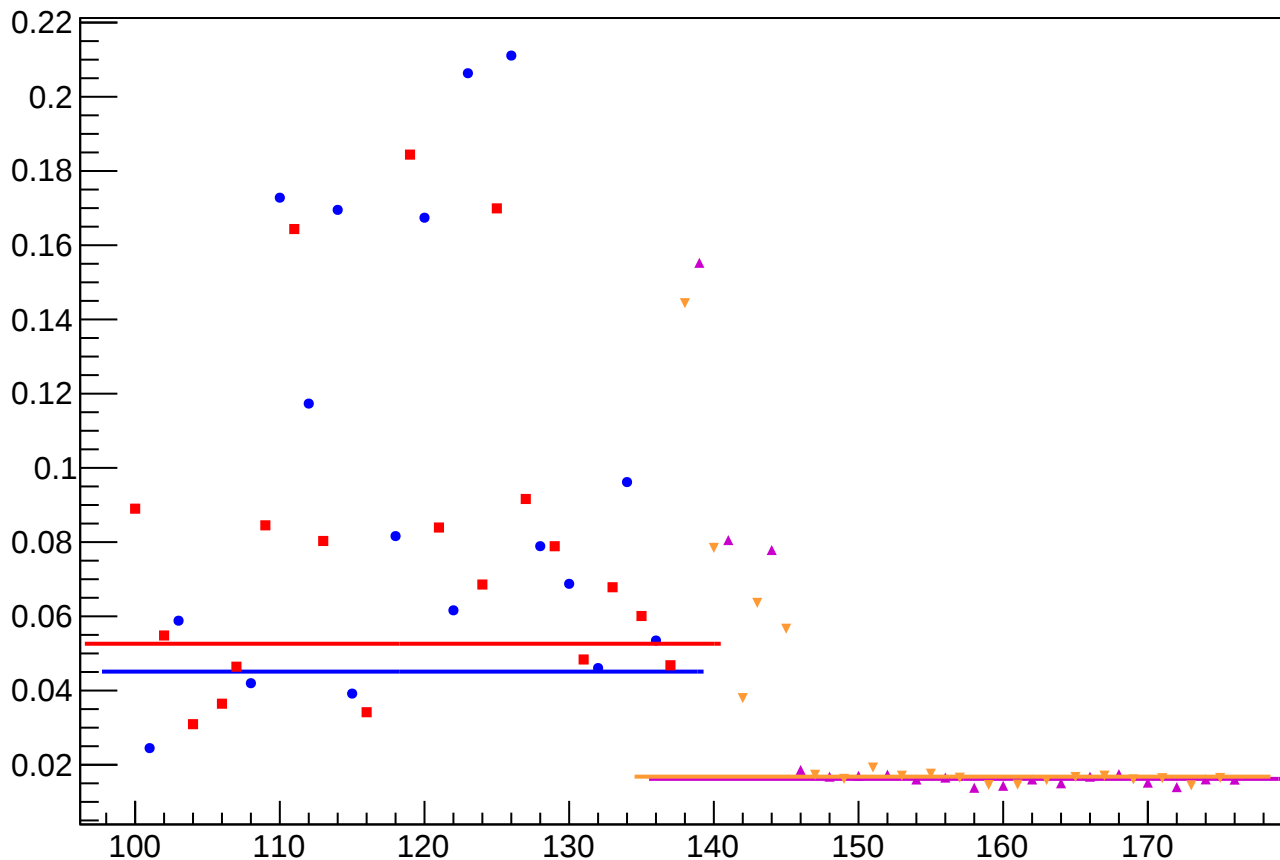
Right Out: 0.500+/-0.000 χ^2/NDF : 983360928.1/18

All: 1.888+/-0.000 χ^2/NDF : 76403722813.7/7

- sign 1.910+/-0.000 χ^2/NDF : 40492947616.1/37

Left In: 1.961+/-0.000 χ^2/NDF : 36435346735.2/18

yield_bpm1X_rms vs Slug



Right In: 0.045 $\pm$ 0.000 χ^2 /NDF: 2846218.9/16

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF: 2775850.0/19

Right Out: 0.053 $\pm$ 0.000 χ^2 /NDF: 2190515.9/18

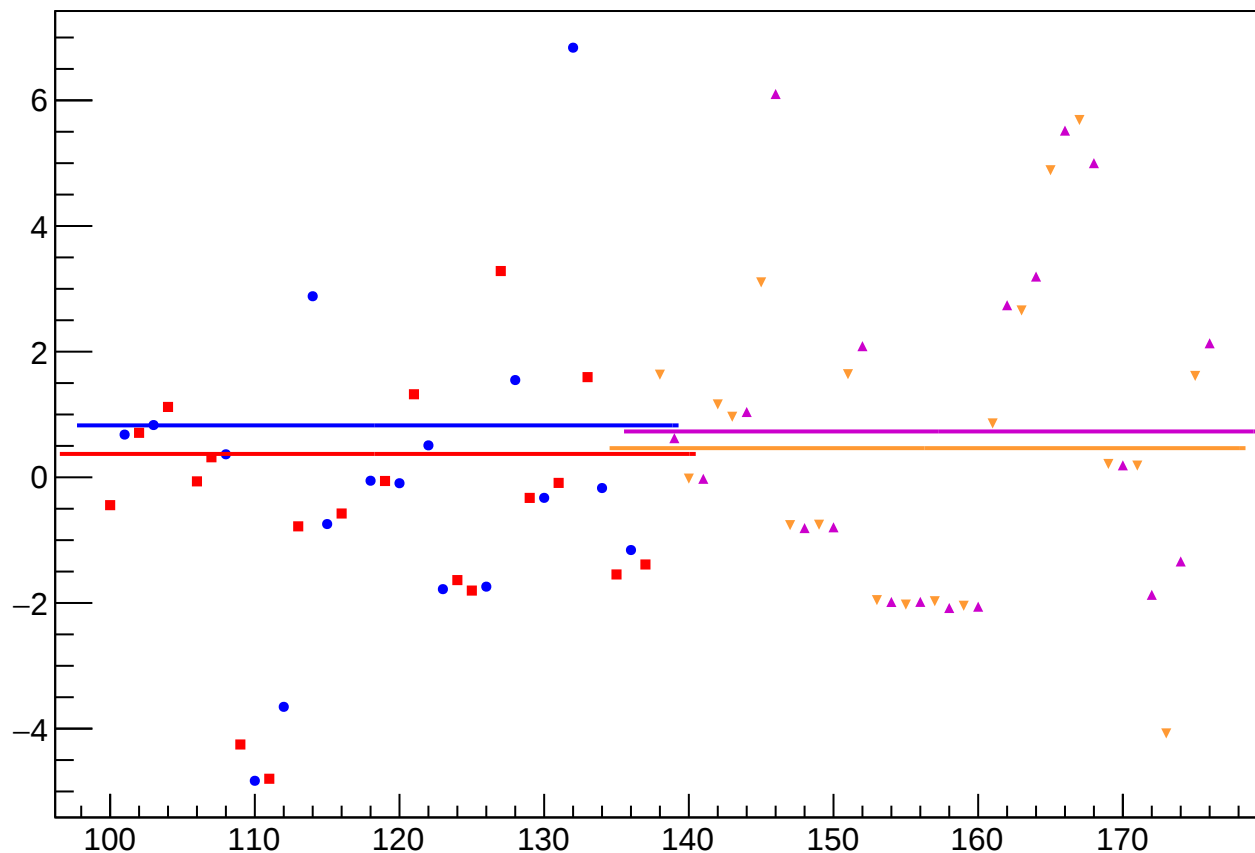
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF: 2380880.6/18

+ sign 0.018 $\pm$ 0.000 χ^2 /NDF: 8303787.5/36

All: 0.018 $\pm$ 0.000 χ^2 /NDF: 16710196.7/74

- sign 0.017 $\pm$ 0.000 χ^2 /NDF: 8393292.2/37

yield_bpm1Y_mean vs Slug



Right In: 0.827 ± 0.000 χ^2/NDF : 10936458870.4/16

Left Out: 0.464 ± 0.000 χ^2/NDF : 474340249987.1/19

Right Out: 0.372 ± 0.000 χ^2/NDF : 4972900338.2/18

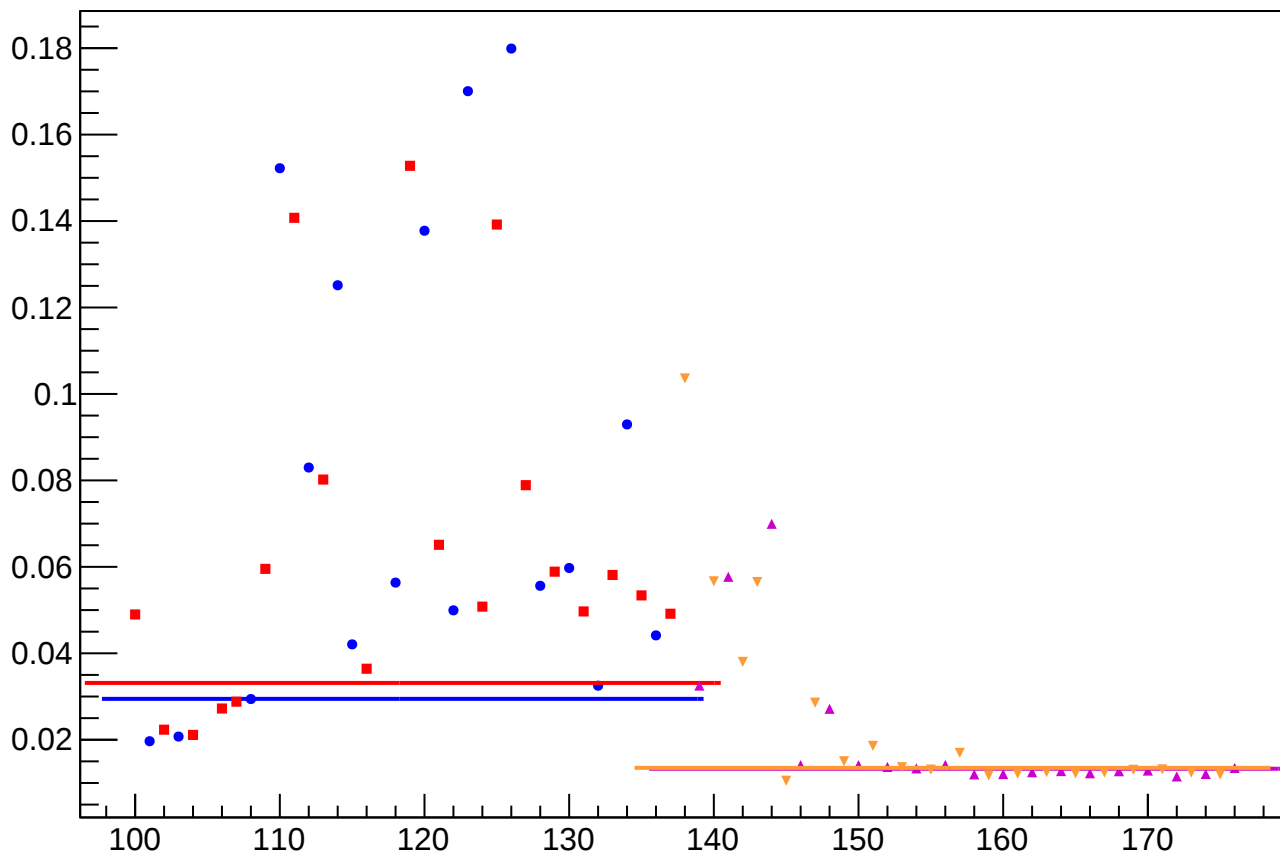
Left In: 0.730 ± 0.000 χ^2/NDF : 546616782064.8/18

+ sign 0.485 ± 0.000 χ^2/NDF : 485763778384.6/36

All: 0.601 ± 0.000 χ^2/NDF : 1039602798730.

- sign 0.713 ± 0.000 χ^2/NDF : 552015479236.1/37

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 3053519.6/16

Left Out: 0.013+/-0.000 χ^2/NDF : 2890997.5/19

Right Out: 0.033+/-0.000 χ^2/NDF : 3096820.9/18

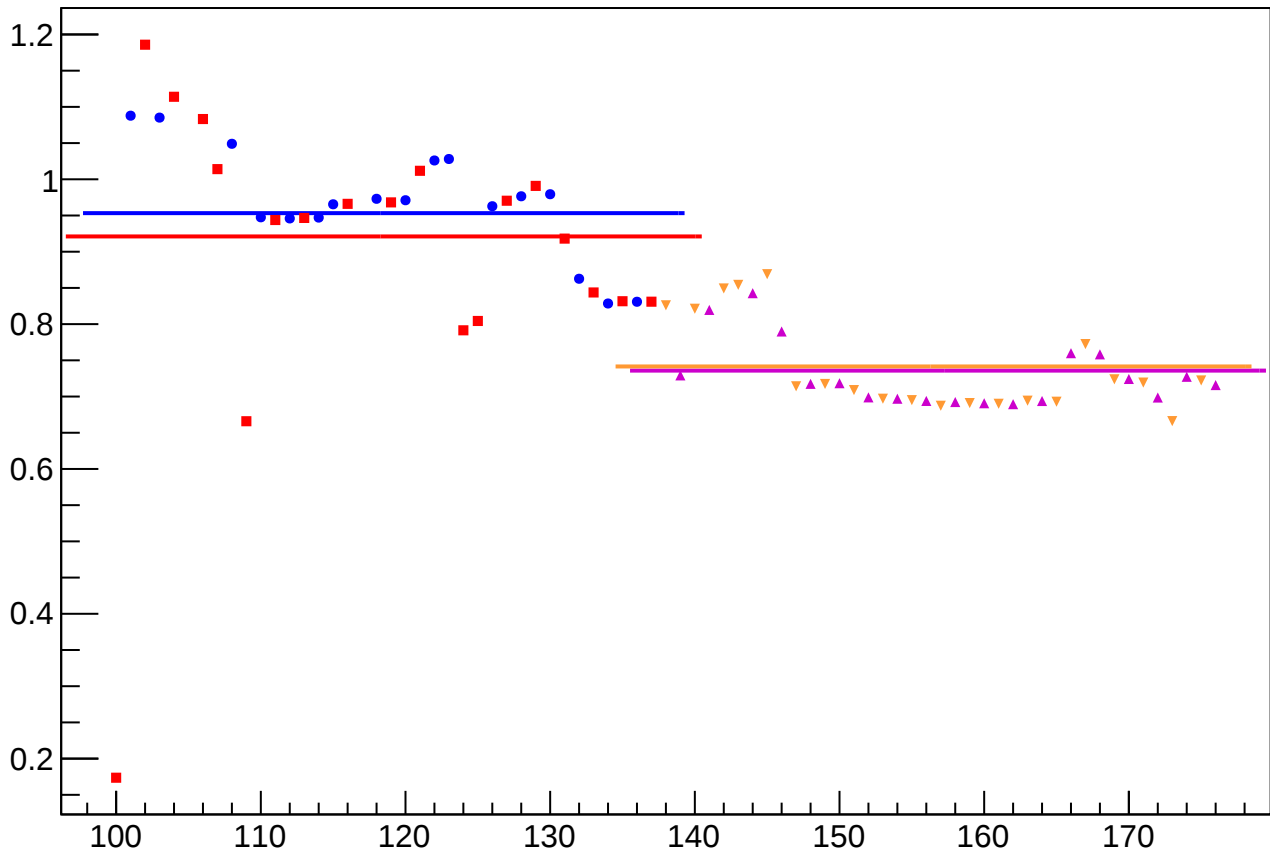
Left In: 0.013+/-0.000 χ^2/NDF : 1927640.5/18

+ sign 0.014+/-0.000 χ^2/NDF : 7835845.3/36

All: 0.014+/-0.000 χ^2/NDF : 15484996.1/74

- sign 0.014+/-0.000 χ^2/NDF : 7647669.6/37

yield_bpm11X_mean vs Slug



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175396553.4/16

Left Out: 0.742 $\pm$ 0.000 χ^2 /NDF: 290596044.1/19

+ sign 0.805 $\pm$ 0.000 χ^2 /NDF: 1437186405.3/36

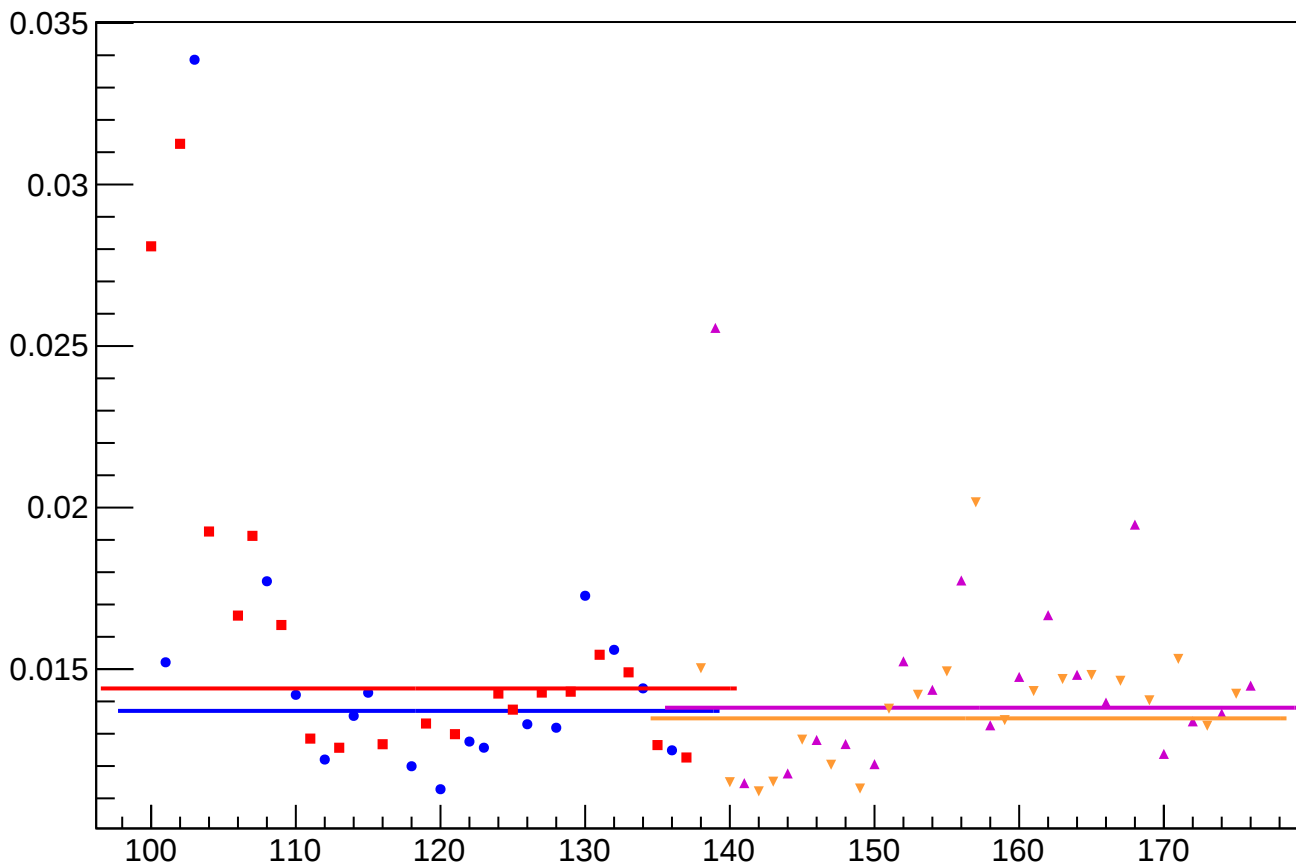
Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374221279.1/18

All: 0.799 $\pm$ 0.000 χ^2 /NDF: 2689422608.5/74

- sign 0.792 $\pm$ 0.000 χ^2 /NDF: 1243245695.0/37

Left In: 0.736 $\pm$ 0.000 χ^2 /NDF: 165204634.1/18

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: 397772.5/19

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 501768.8/18

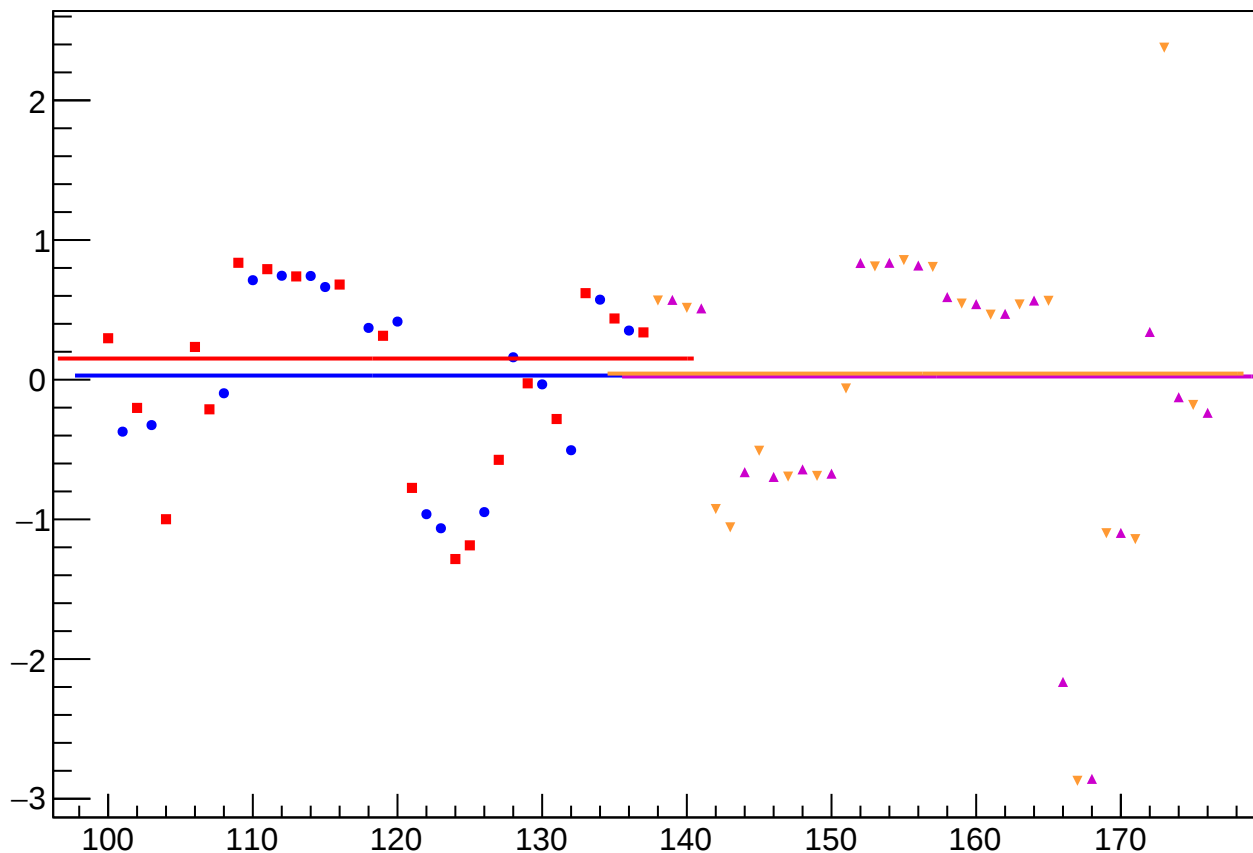
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF: 728802.3/18

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 946412.0/36

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2210933.6/74

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1245153.2/37

yield_bpm11Y_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 6294824795.0/16

Left Out: 0.044 $\pm$ 0.000 χ^2 /NDF: 95134438318.2/19

Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 12661812059.7/18

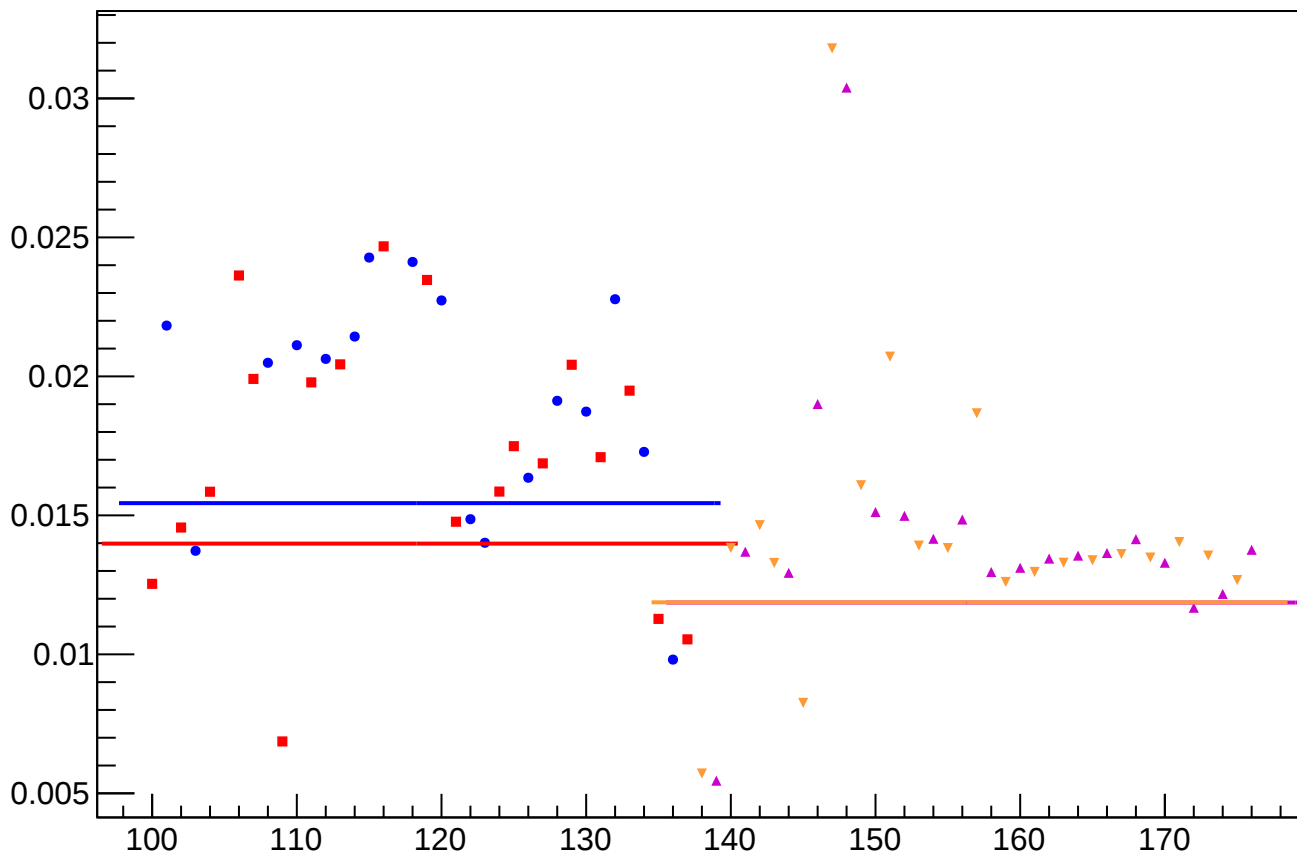
Left In: 0.023 $\pm$ 0.000 χ^2 /NDF: 78535607895.4/18

+ sign 0.041 $\pm$ 0.000 χ^2 /NDF: 101432957792.8/36

All: 0.048 $\pm$ 0.000 χ^2 /NDF: 192998553926.4

- sign 0.054 $\pm$ 0.000 χ^2 /NDF: 91554927813.3/37

yield_bpm11Y_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1161852.5/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3045231.1/19

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 1560788.2/18

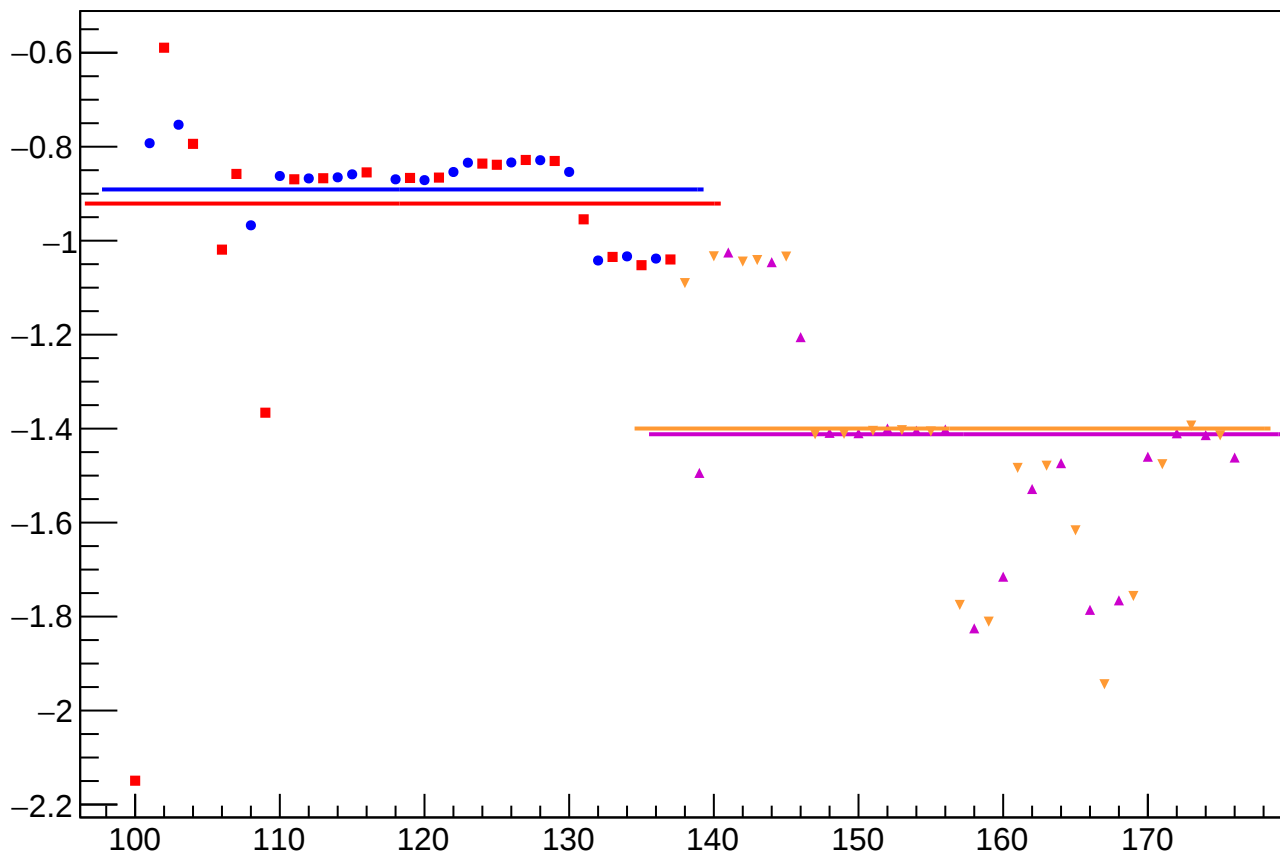
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:2969074.9/18

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 4685351.3/36

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 9416311.6/74

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 4724578.7/37

yield_bpm12X_mean vs Slug



Right In: -0.891+/-0.000 χ^2/NDF : 39578323.2/16

Left Out: -1.400+/-0.000 χ^2/NDF : 718096448.5/19

Right Out: -0.921+/-0.000 χ^2/NDF : 131183059.9/18

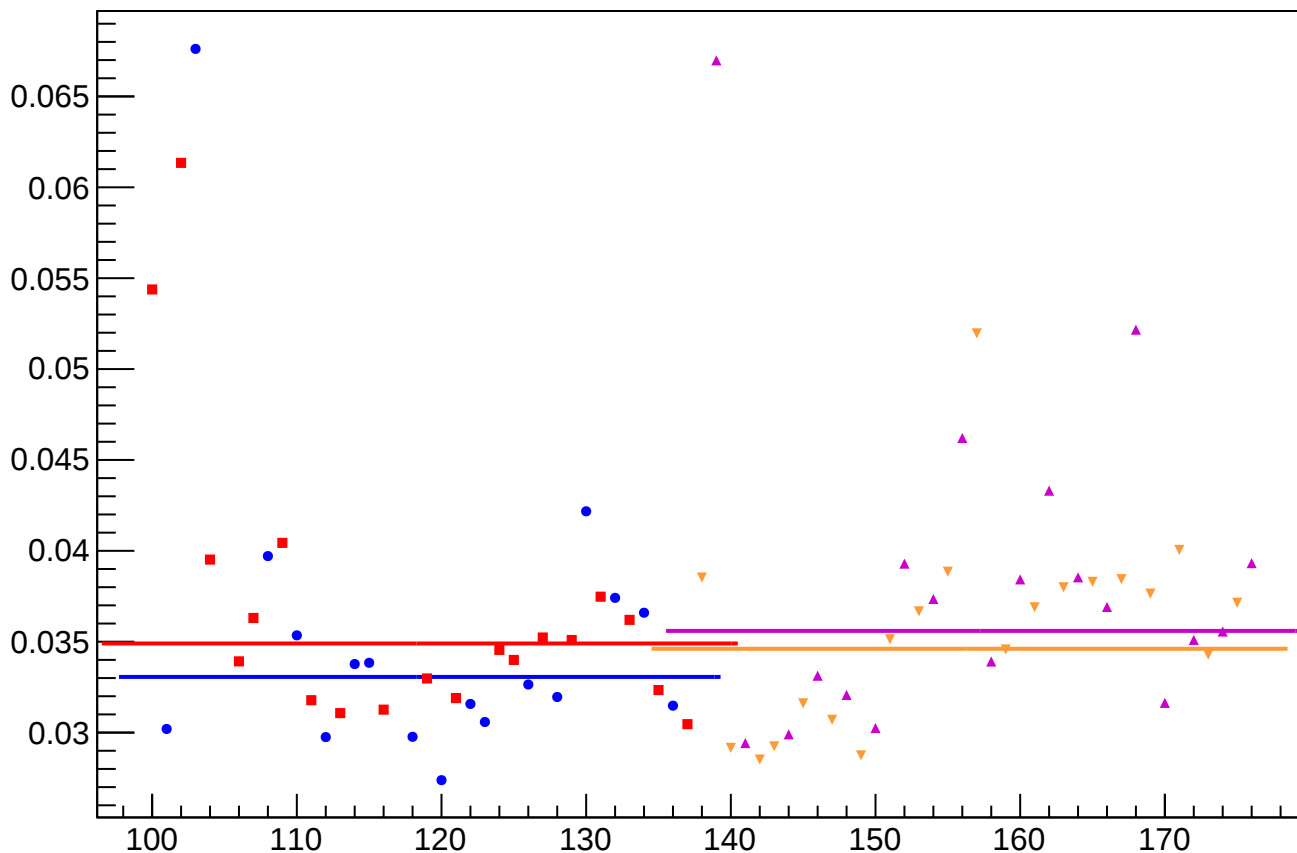
Left In: -1.412+/-0.000 χ^2/NDF : 512097209.2/18

+ sign -1.231+/-0.000 χ^2/NDF : 1687238668.4/36

All: -1.239+/-0.000 χ^2/NDF : 3144550478.5/7

- sign -1.248+/-0.000 χ^2/NDF : 1455023043.0/37

yield_bpm12X_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 409286.7/16

Left Out: 0.035+/-0.000 χ^2/NDF :455744.3/19

Right Out: 0.035+/-0.000 χ^2/NDF : 274270.8/18

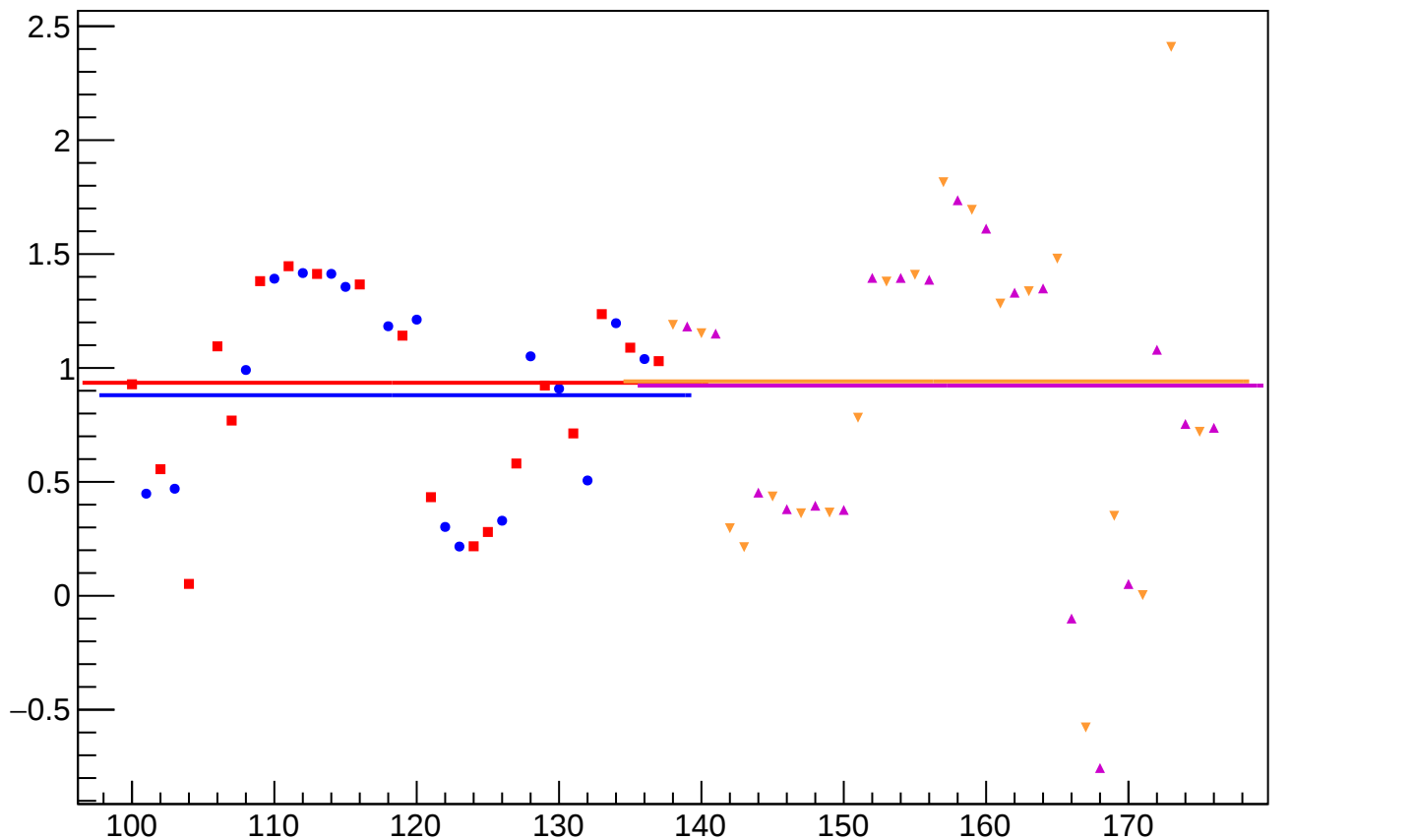
Left In: 0.036+/-0.000 χ^2/NDF :820419.1/18

+ sign 0.034+/-0.000 χ^2/NDF : 882288.6/36

All: 0.035+/-0.000 χ^2/NDF : 2005286.7/74

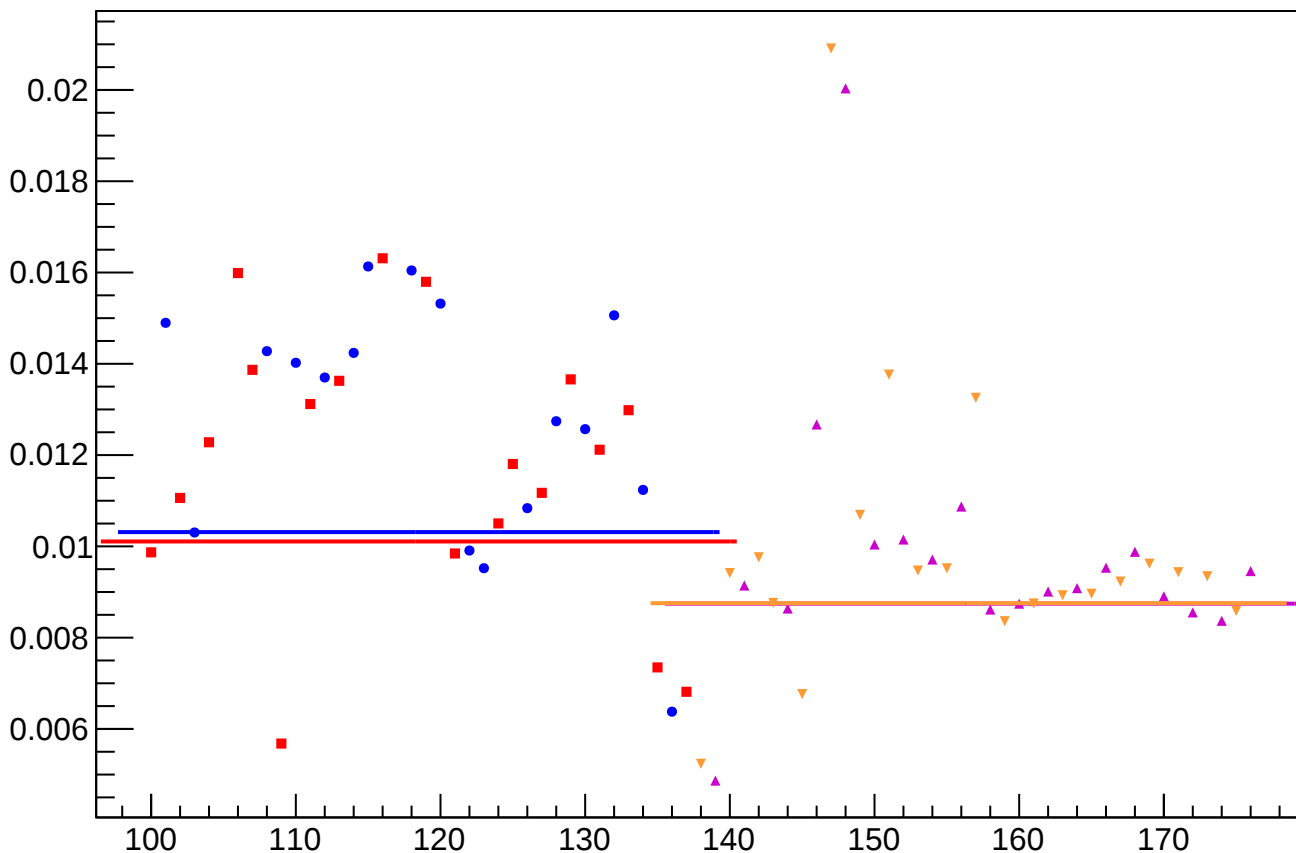
- sign 0.035+/-0.000 χ^2/NDF : 1097927.5/37

yield_bpm12Y_mean vs Slug



Right In: 0.880 ± 0.000 χ^2/NDF : 6400108121.4/16
 Left Out: 0.941 ± 0.000 χ^2/NDF : 82610868394.9/19
 Right Out: 0.935 ± 0.000 χ^2/NDF : 9833525935.6/18
 Left In: 0.923 ± 0.000 χ^2/NDF : 65817645586.8/18
 All: 0.927 ± 0.000 χ^2/NDF : 164818723641.2
 + sign 0.927 ± 0.000 χ^2/NDF : 89160814947.1/36
 - sign 0.926 ± 0.000 χ^2/NDF : 75657665086.5/37

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:1694109.8/19

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1178489.1/18

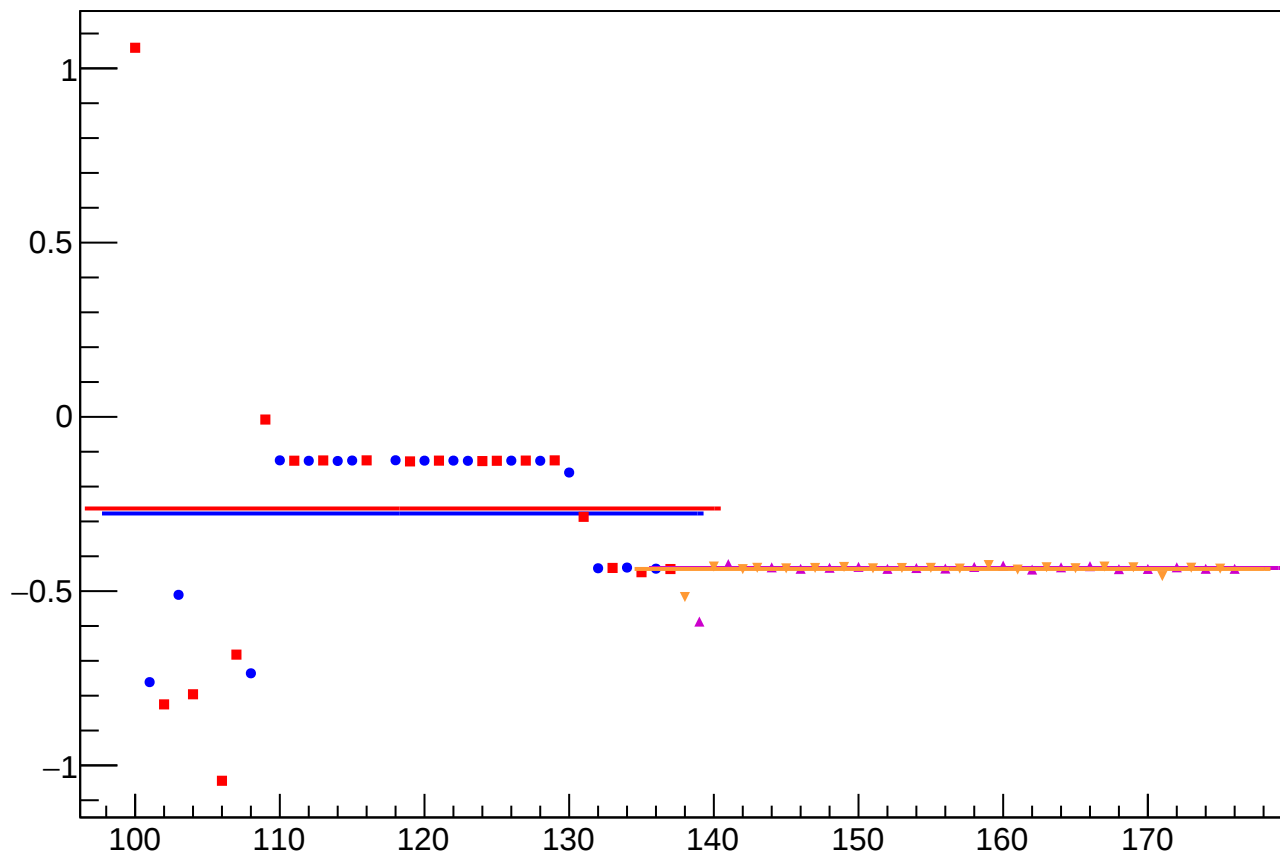
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1603356.7/18

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3122170.7/36

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6063524.4/74

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2941160.1/37

yield_bpm16X_mean vs Slug



Right In: -0.277+/-0.000 χ^2/NDF : 940562986.7/16

Left Out: -0.436+/-0.000 χ^2/NDF : 28740422.7/19

Right Out: -0.263+/-0.000 χ^2/NDF : 1008398102.0/18

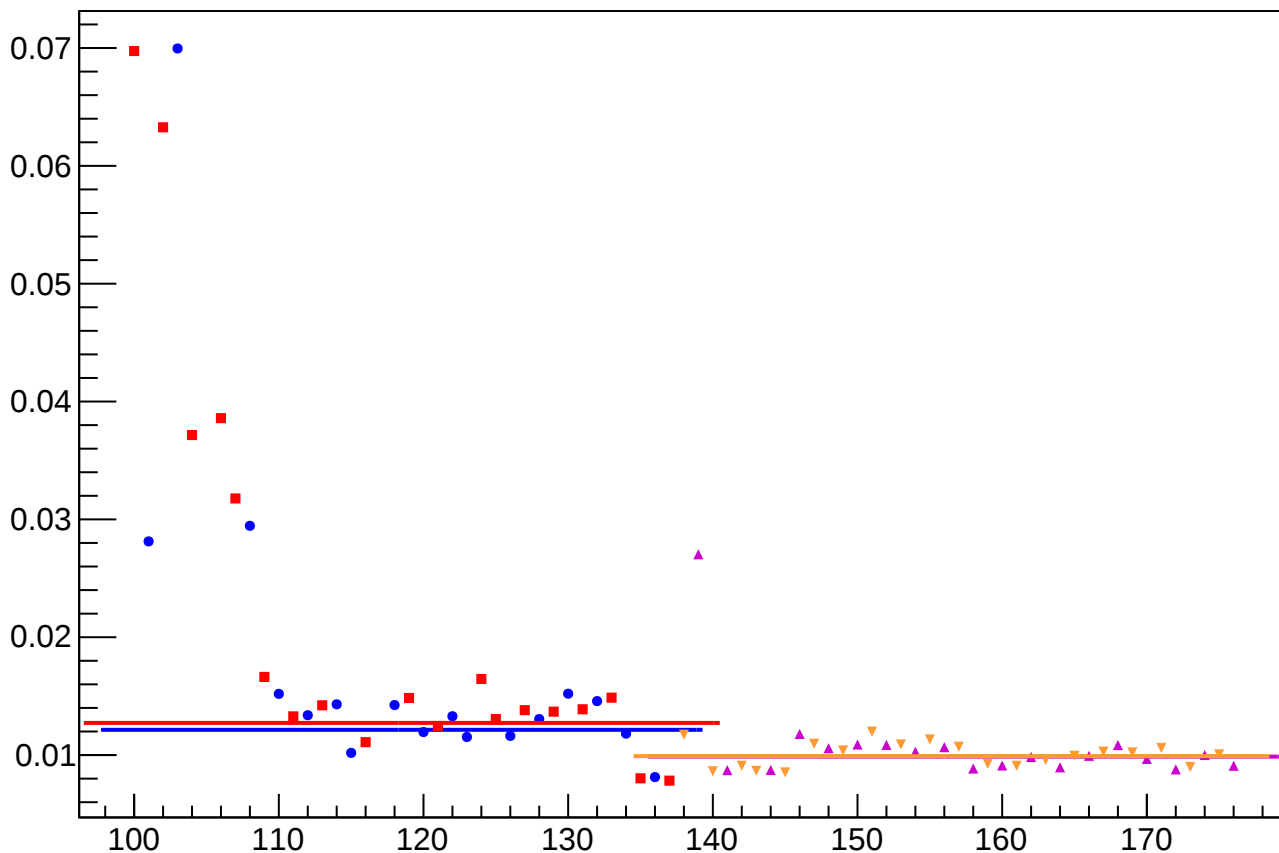
Left In: -0.434+/-0.000 χ^2/NDF : 23735784.6/18

+ sign -0.405+/-0.000 χ^2/NDF : 1617799817.0/36

All: -0.403+/-0.000 χ^2/NDF : 3355101345.3/7

- sign -0.401+/-0.000 χ^2/NDF : 1736134529.4/37

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: 246772.2/19

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1969165.0/18

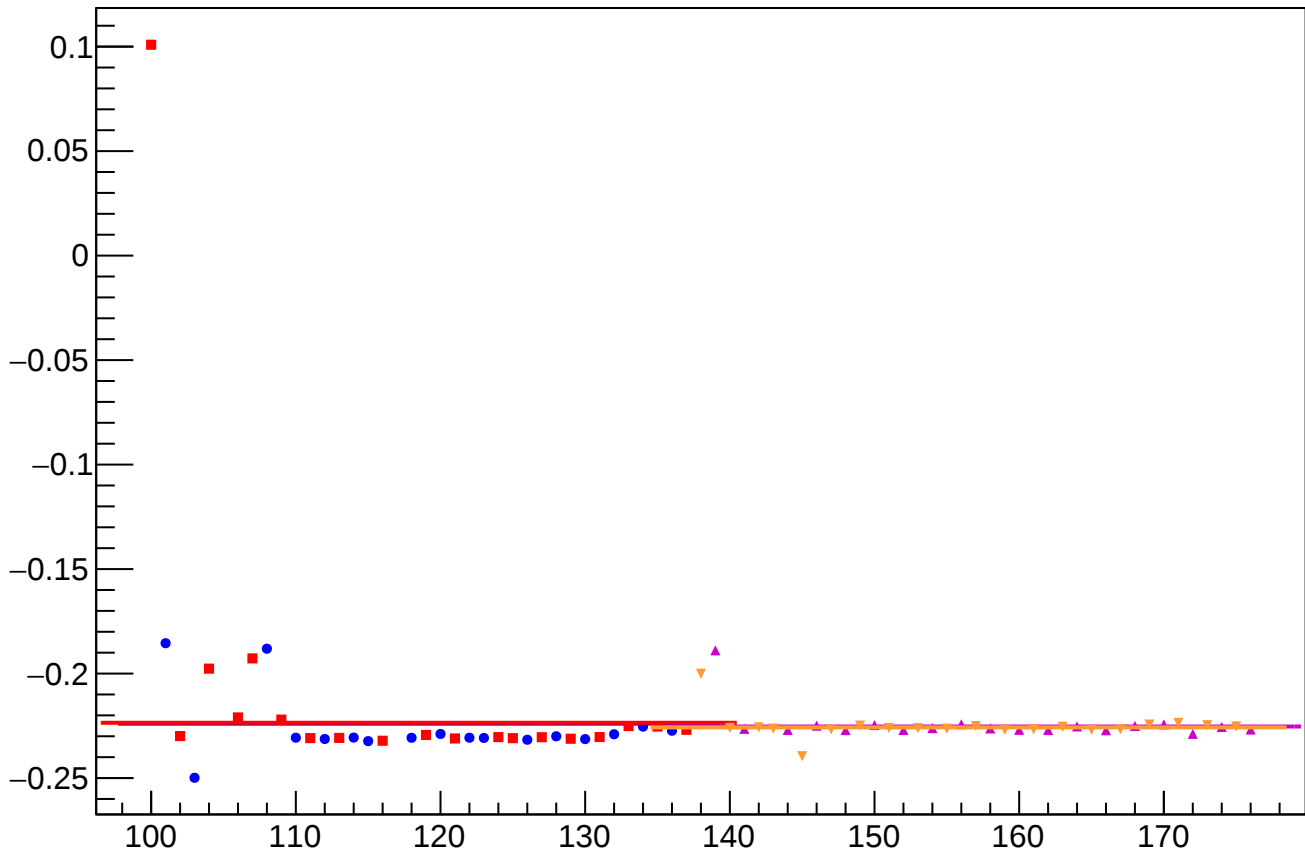
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 734091.1/18

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2230532.7/36

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 5330335.3/74

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3099128.6/37

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 : 20872004.0/19

+ sign -0.225+/-0.000 χ^2/NDF : 96174716.4/36

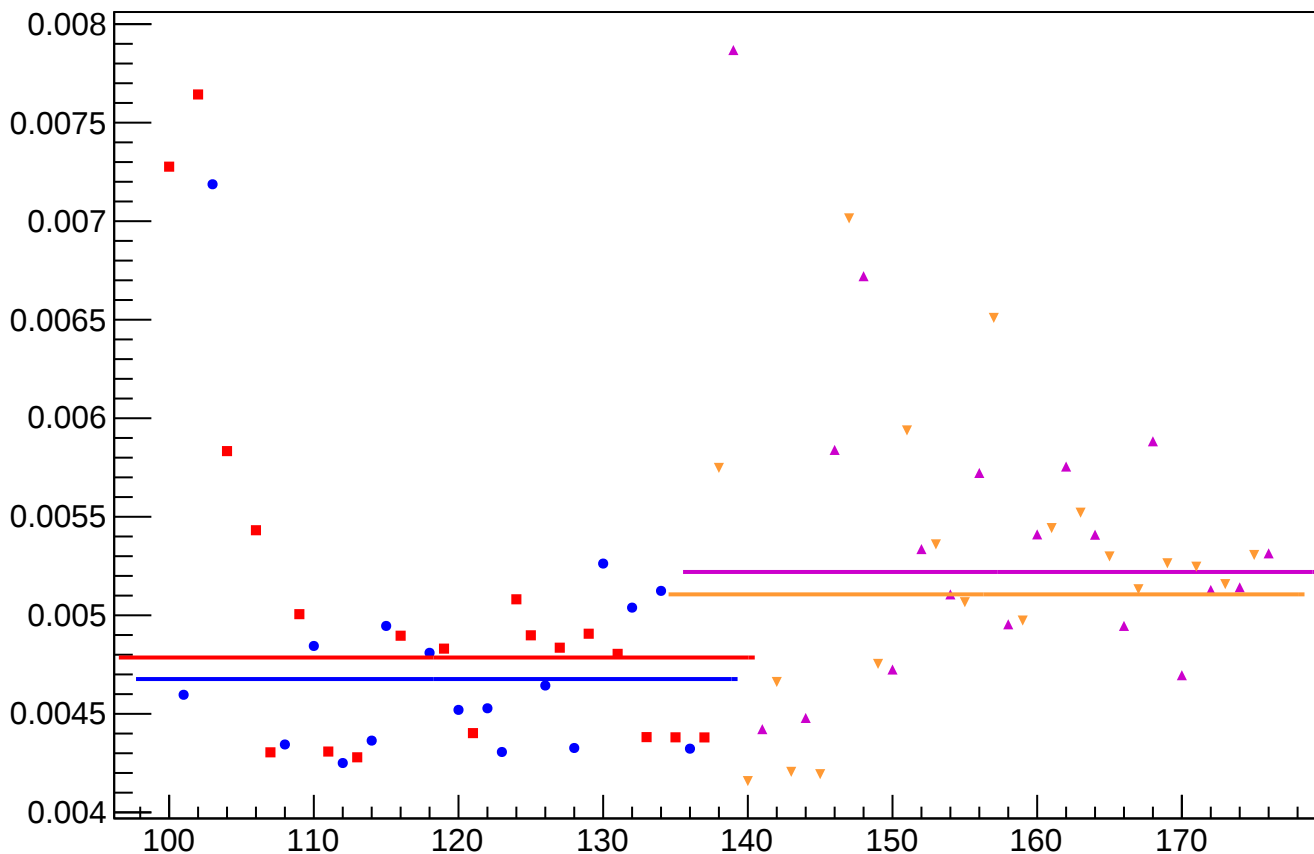
Right Out: -0.224+/-0.000 χ^2/NDF : 168125914.6/18

All: -0.225+/-0.000 χ^2/NDF : 279700936.8/74

- sign -0.225+/-0.000 χ^2/NDF : 183446547.4/37

Left In: -0.225+/-0.000 χ^2/NDF : 14747676.1/18

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 : 453698.2/19

Right Out: 0.005+/-0.000 χ^2/NDF : 248196.8/18

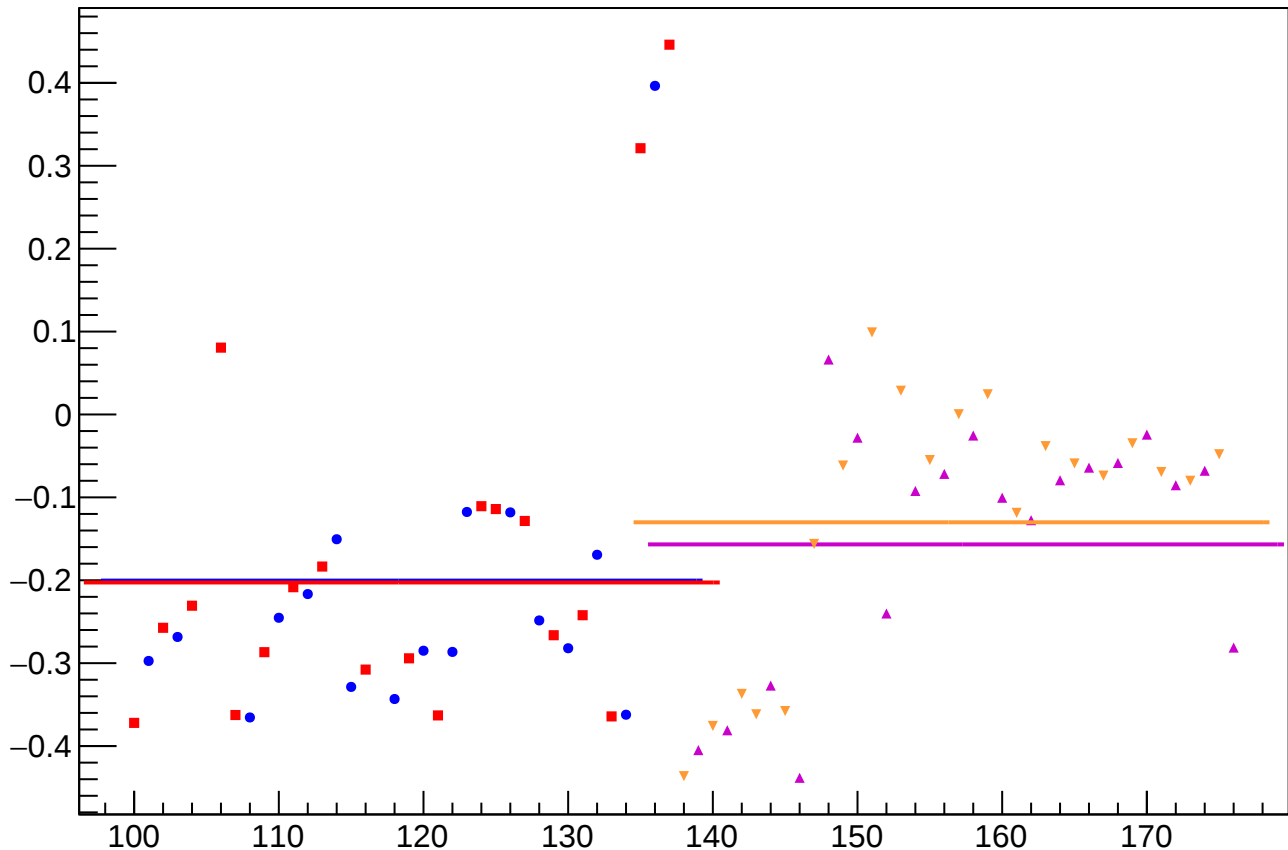
Left In: 0.005+/-0.000 χ^2/NDF : 426923.0/18

+ sign 0.005+/-0.000 χ^2/NDF : 702326.3/36

All: 0.005+/-0.000 χ^2/NDF : 1453893.4/74

- sign 0.005+/-0.000 χ^2/NDF : 742795.6/37

yield_bpm0i02X_mean vs Slug



Right In: -0.200 ± 0.000 χ^2/NDF : 5973556486.0/16

Left Out: -0.130 ± 0.000 χ^2/NDF : 11928546414.0/19

Right Out: -0.203 ± 0.000 χ^2/NDF : 5028268807.1/18

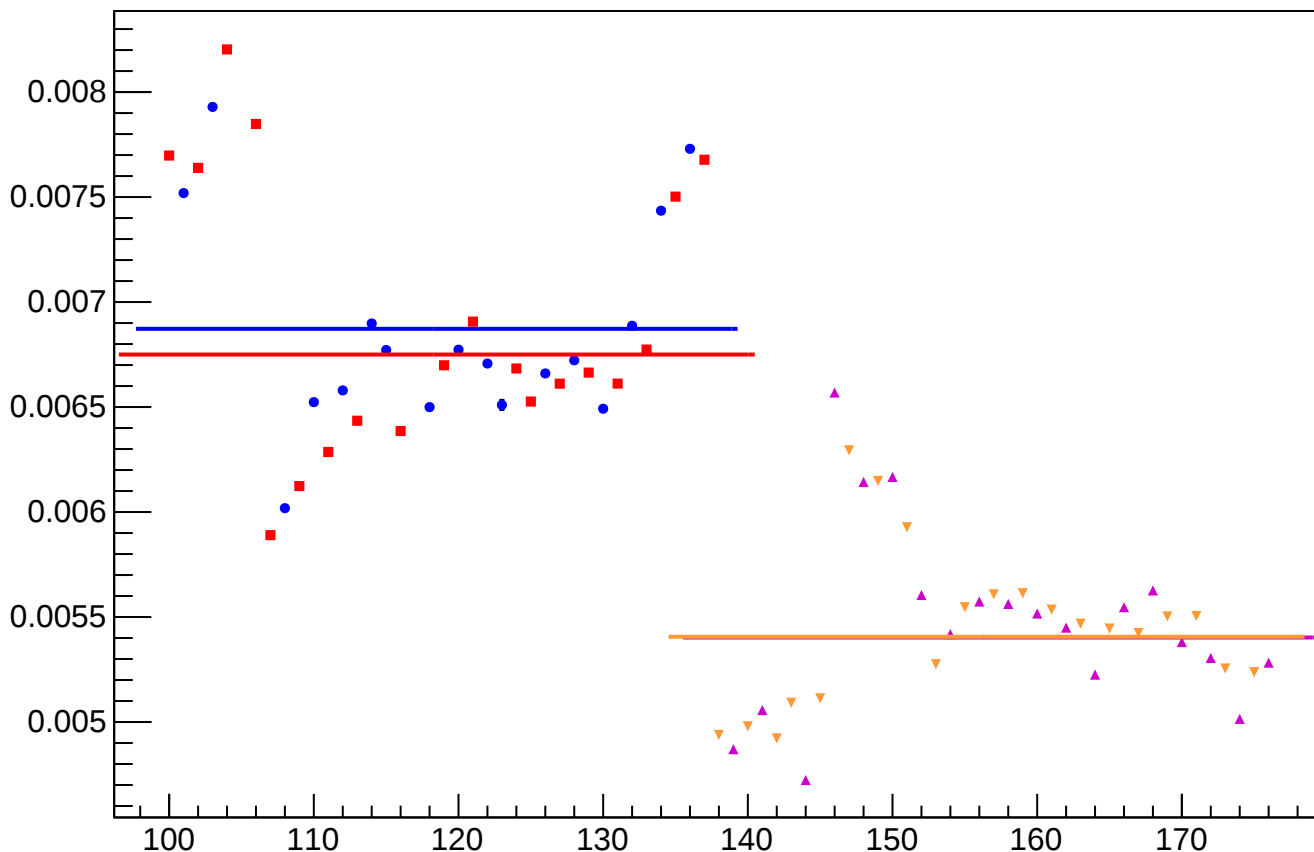
Left In: -0.157 ± 0.000 χ^2/NDF : 9521391655.9/18

+ sign -0.146 ± 0.000 χ^2/NDF : 18436790948.1/36

All: -0.157 ± 0.000 χ^2/NDF : 33380169519.2/37

- sign -0.168 ± 0.000 χ^2/NDF : 14790793675.1/37

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 78611.6/16

Left Out: 0.005+/-0.000 χ^2/NDF : 109547.4/19

Right Out: 0.007+/-0.000 χ^2/NDF : 105124.4/18

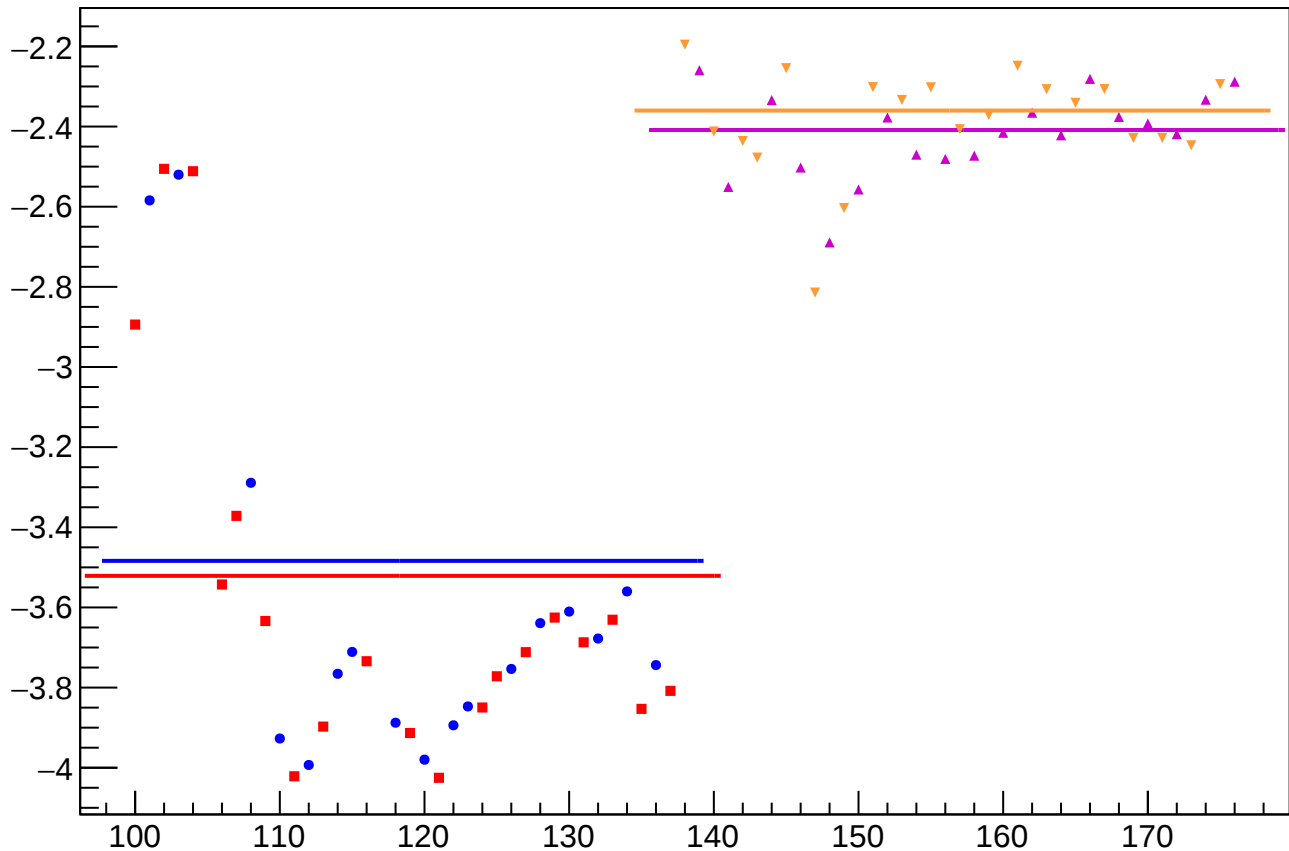
Left In: 0.005+/-0.000 χ^2/NDF : 159594.4/18

+ sign 0.006+/-0.000 χ^2/NDF : 652691.1/36

All: 0.006+/-0.000 χ^2/NDF : 1332797.6/74

- sign 0.006+/-0.000 χ^2/NDF : 680097.8/37

yield_bpm0i02Y_mean vs Slug



Right In: -3.484+/-0.000 χ^2/NDF : 27174302276.9/16

Left Out: -2.360+/-0.000 χ^2/NDF : 1926663755.6/19

+ sign -2.754+/-0.000 χ^2/NDF : 111607398833.5/36

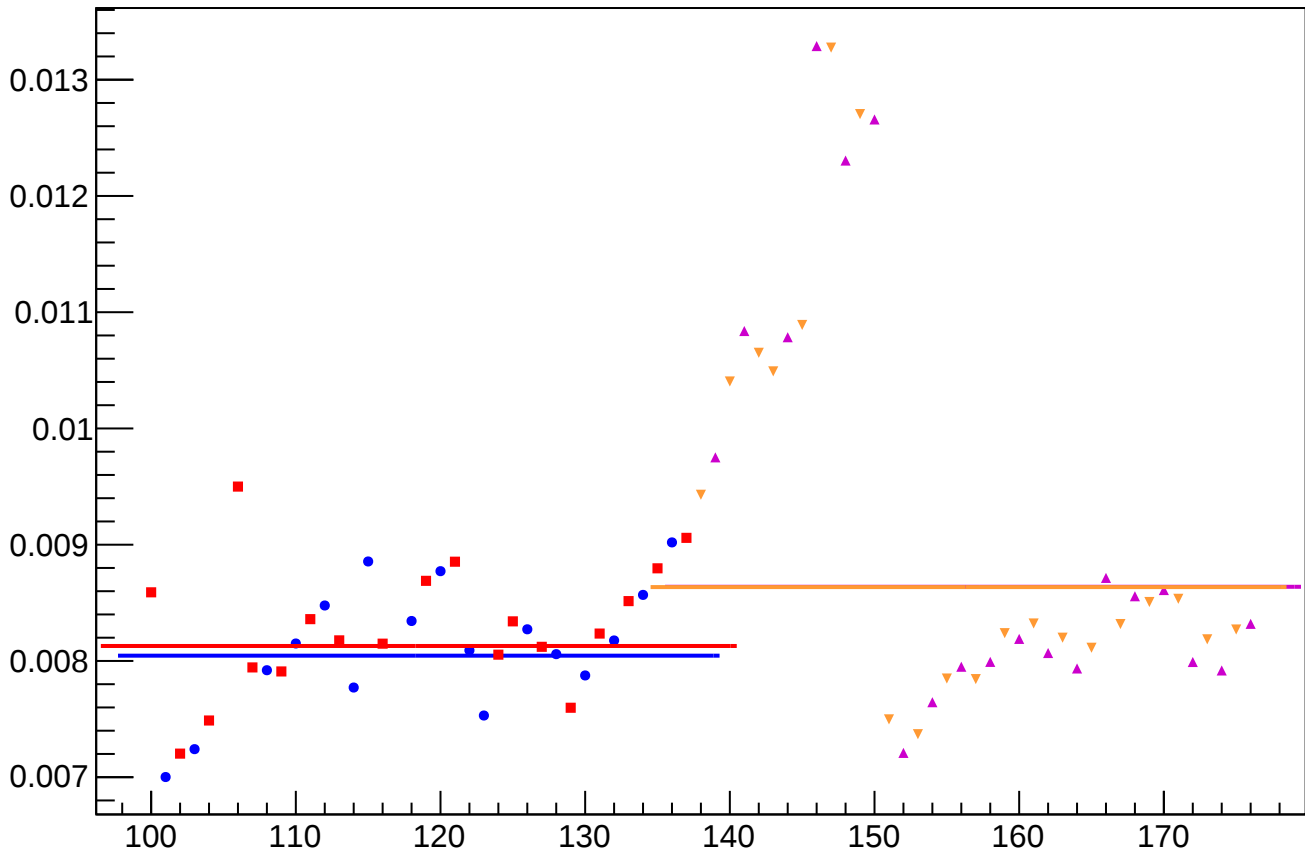
Right Out: -3.521+/-0.000 χ^2/NDF : 26472007419.8/18

All: -2.781+/-0.000 χ^2/NDF : 221089069205.2

Left In: -2.409+/-0.000 χ^2/NDF : 1382955679.9/18

- sign -2.809+/-0.000 χ^2/NDF : 109036354018.6/37

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 71989.8/16

Left Out: 0.009+/-0.000 χ^2/NDF : 603110.2/19

Right Out: 0.008+/-0.000 χ^2/NDF : 57478.2/18

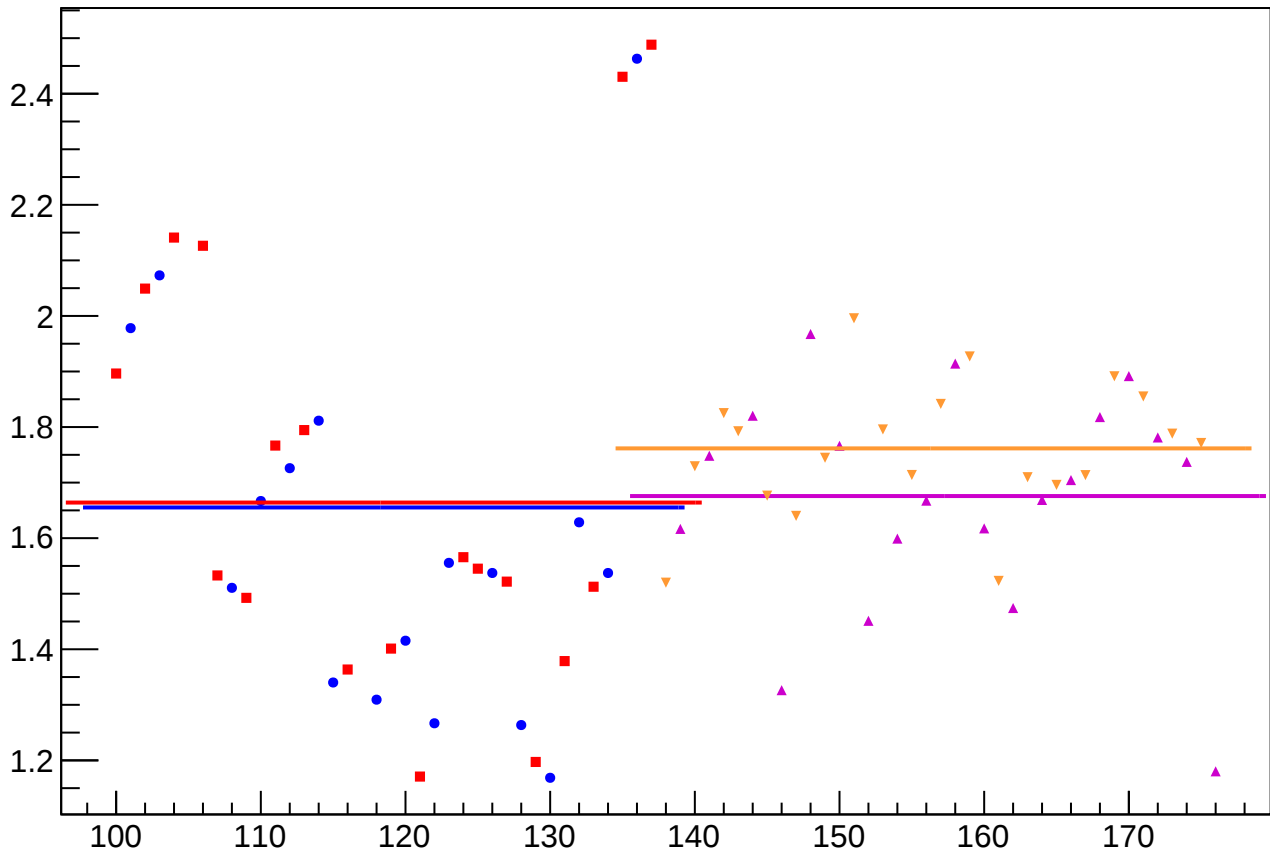
Left In: 0.009+/-0.000 χ^2/NDF : 728526.3/18

+ sign 0.008+/-0.000 χ^2/NDF : 720588.7/36

All: 0.008+/-0.000 χ^2/NDF : 1540798.3/74

- sign 0.008+/-0.000 χ^2/NDF : 820020.0/37

yield_bpm0i02aX_mean vs Slug



Right In: 1.655 $\pm$ 0.000 χ^2 /NDF: 6476474909.3/16

Left Out: 1.762 $\pm$ 0.000 χ^2 /NDF: 1758937454.0/19

Right Out: 1.664 $\pm$ 0.000 χ^2 /NDF: 5944262279.7/18

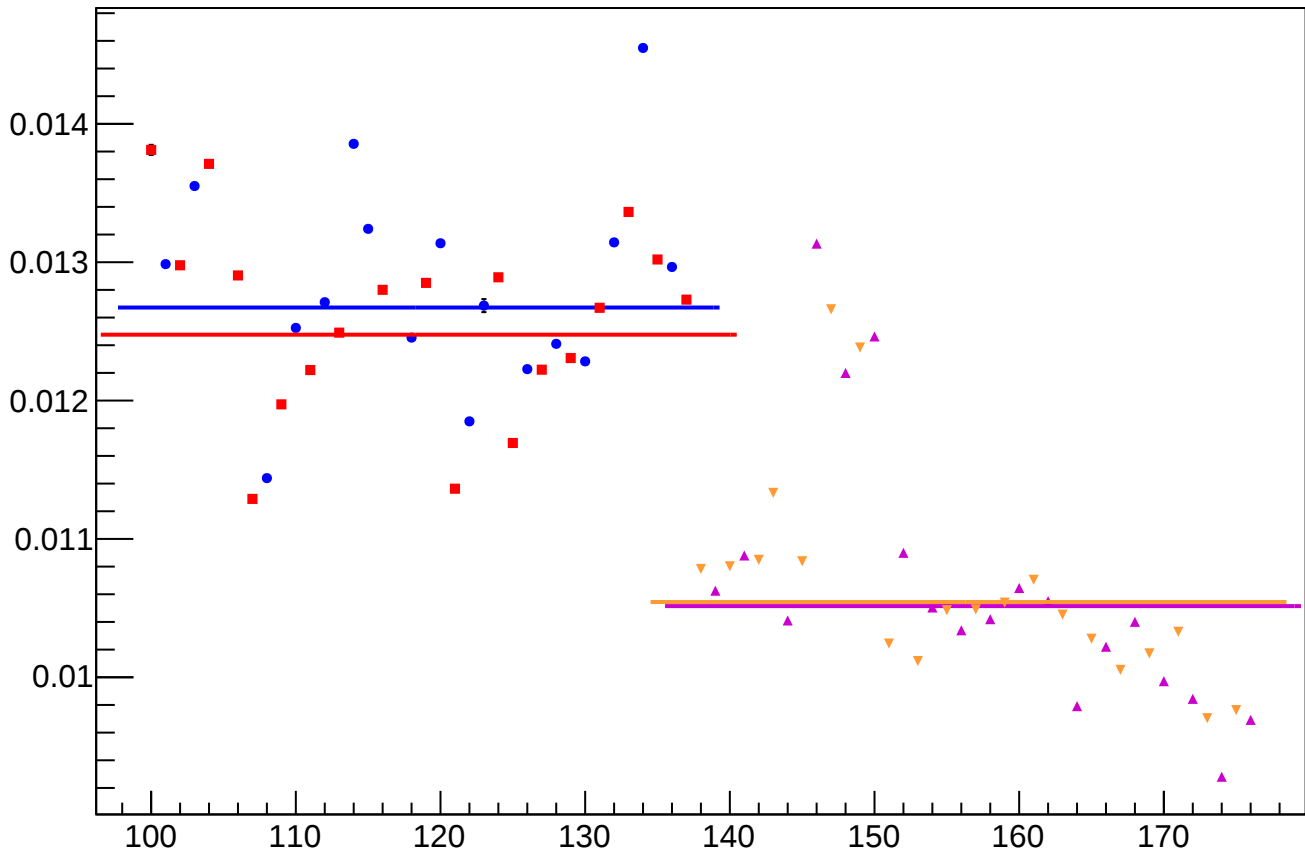
Left In: 1.676 $\pm$ 0.000 χ^2 /NDF: 4794884713.0/18

+ sign 1.736 $\pm$ 0.000 χ^2 /NDF: 8586371629.6/36

All: 1.704 $\pm$ 0.000 χ^2 /NDF: 19671375315.6/7

- sign 1.673 $\pm$ 0.000 χ^2 /NDF: 10743642559.1/37

yield_bpm0i02aX_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 31801.3/16

Left Out: 0.011+/-0.000 χ^2/NDF :115746.7/19

Right Out: 0.012+/-0.000 χ^2/NDF : 39134.8/18

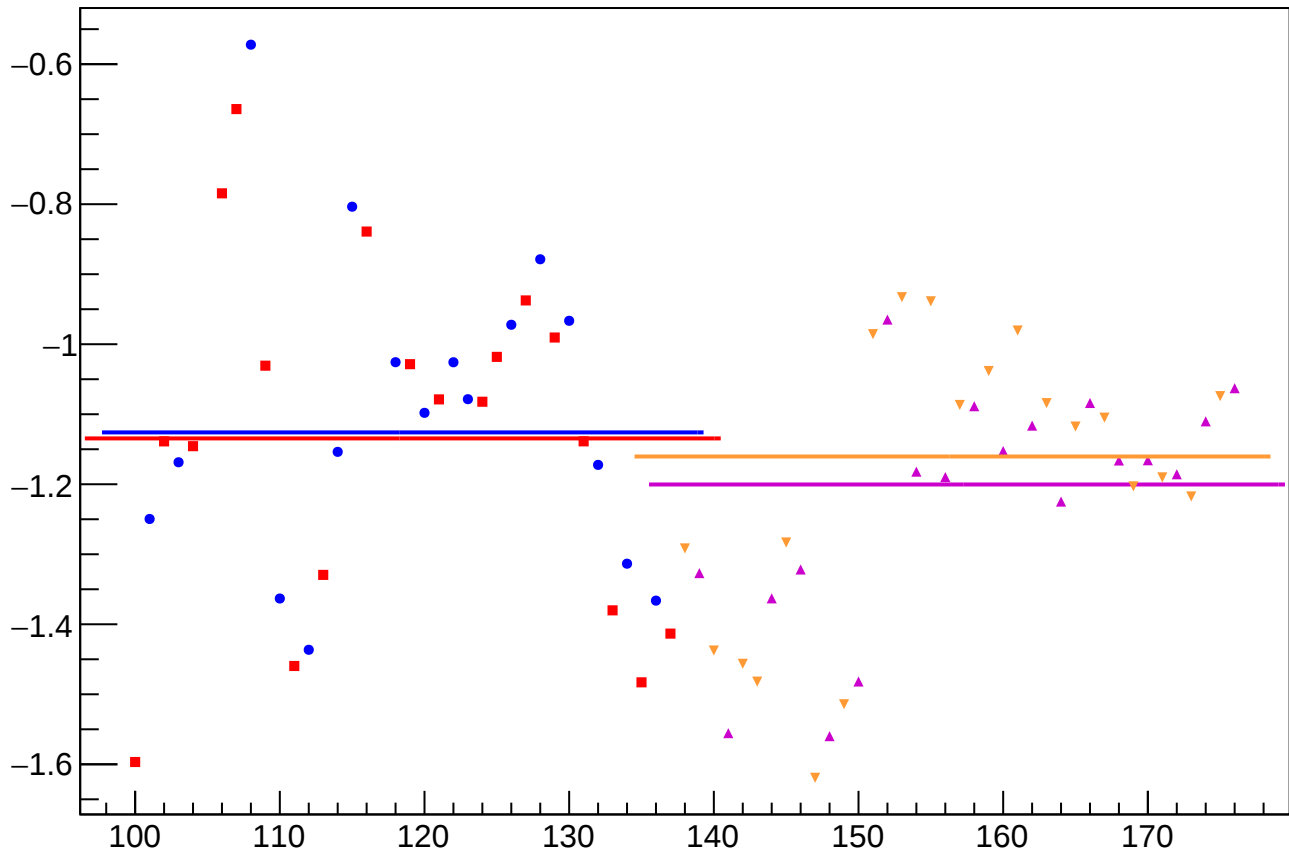
Left In: 0.011+/-0.000 χ^2/NDF :181666.6/18

+ sign 0.011+/-0.000 χ^2/NDF : 428773.4/36

All: 0.011+/-0.000 χ^2/NDF : 901987.5/74

- sign 0.011+/-0.000 χ^2/NDF : 473040.9/37

yield_bpm0i02aY_mean vs Slug



Right In: -1.126+/-0.000 χ^2/NDF : 3574776639.2/16

Left Out: -1.160+/-0.000 χ^2/NDF : 7292231684.8/19

Right Out: -1.135+/-0.000 χ^2/NDF : 3677461023.4/18

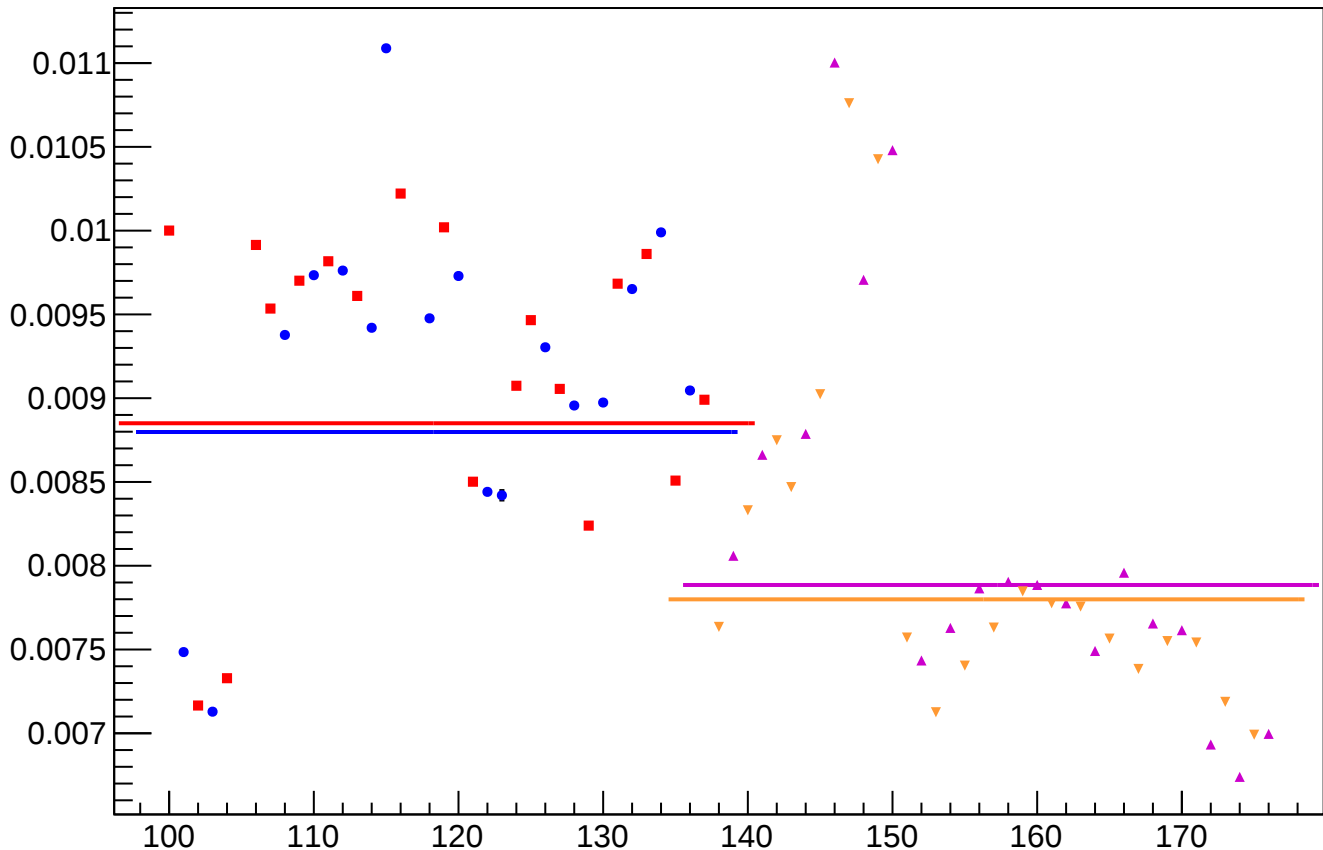
Left In: -1.200+/-0.000 χ^2/NDF : 4986969150.3/18

+ sign -1.151+/-0.000 χ^2/NDF : 10938691508.4/36

All: -1.166+/-0.000 χ^2/NDF : 20012128410.1/37

- sign -1.182+/-0.000 χ^2/NDF : 8928187373.1/37

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 : 288837.7/19

Right Out: 0.009+/-0.000 χ^2/NDF : 173958.0/18

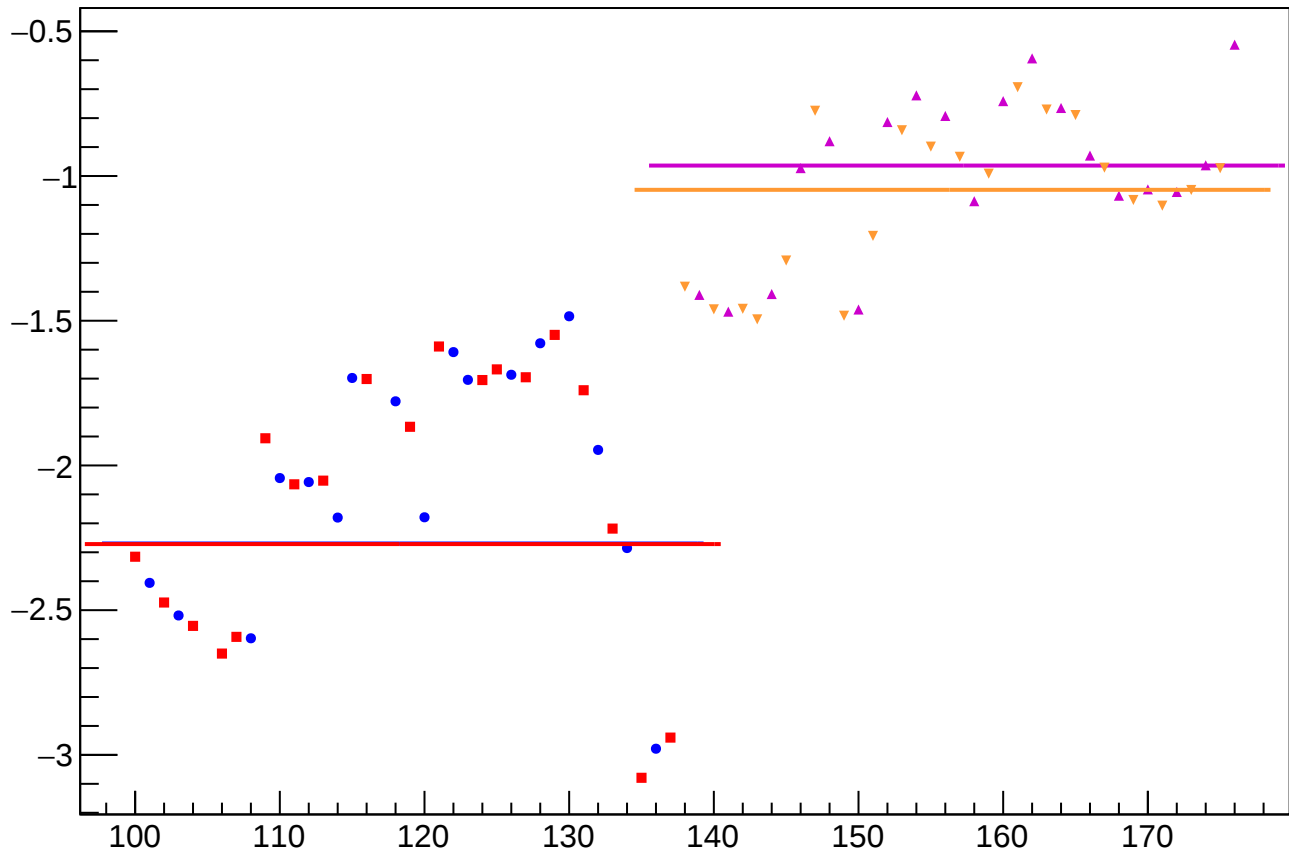
Left In: 0.008+/-0.000 χ^2/NDF : 373224.1/18

+ sign 0.008+/-0.000 χ^2/NDF : 561100.6/36

All: 0.008+/-0.000 χ^2/NDF : 1224284.0/74

- sign 0.008+/-0.000 χ^2/NDF : 660748.3/37

yield_bpm0i05X_mean vs Slug



Right In: -2.270+/-0.000 χ^2/NDF : 17408567065.9/16

Left Out: -1.048+/-0.000 χ^2/NDF : 17776282533.0/19

Right Out: -2.272+/-0.000 χ^2/NDF : 19009331715.4/18

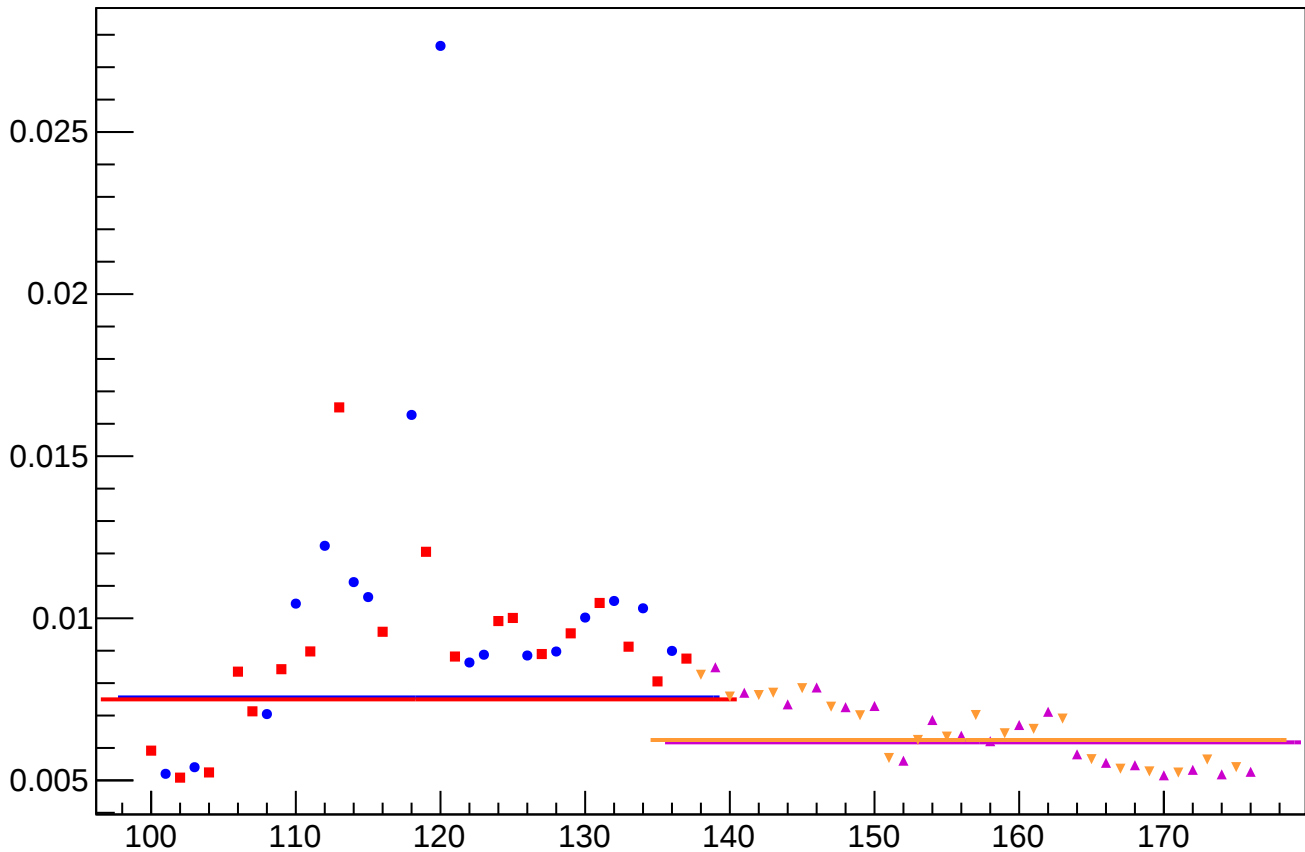
Left In: -0.964+/-0.000 χ^2/NDF : 22978486757.4/18

+ sign -1.294+/-0.000 χ^2/NDF : 140183581203.3/36

All: -1.273+/-0.000 χ^2/NDF : 315319416758.1

- sign -1.252+/-0.000 χ^2/NDF : 174742073454.1/37

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 :560819.0/19

Right Out: 0.007+/-0.000 χ^2/NDF : 933998.1/18

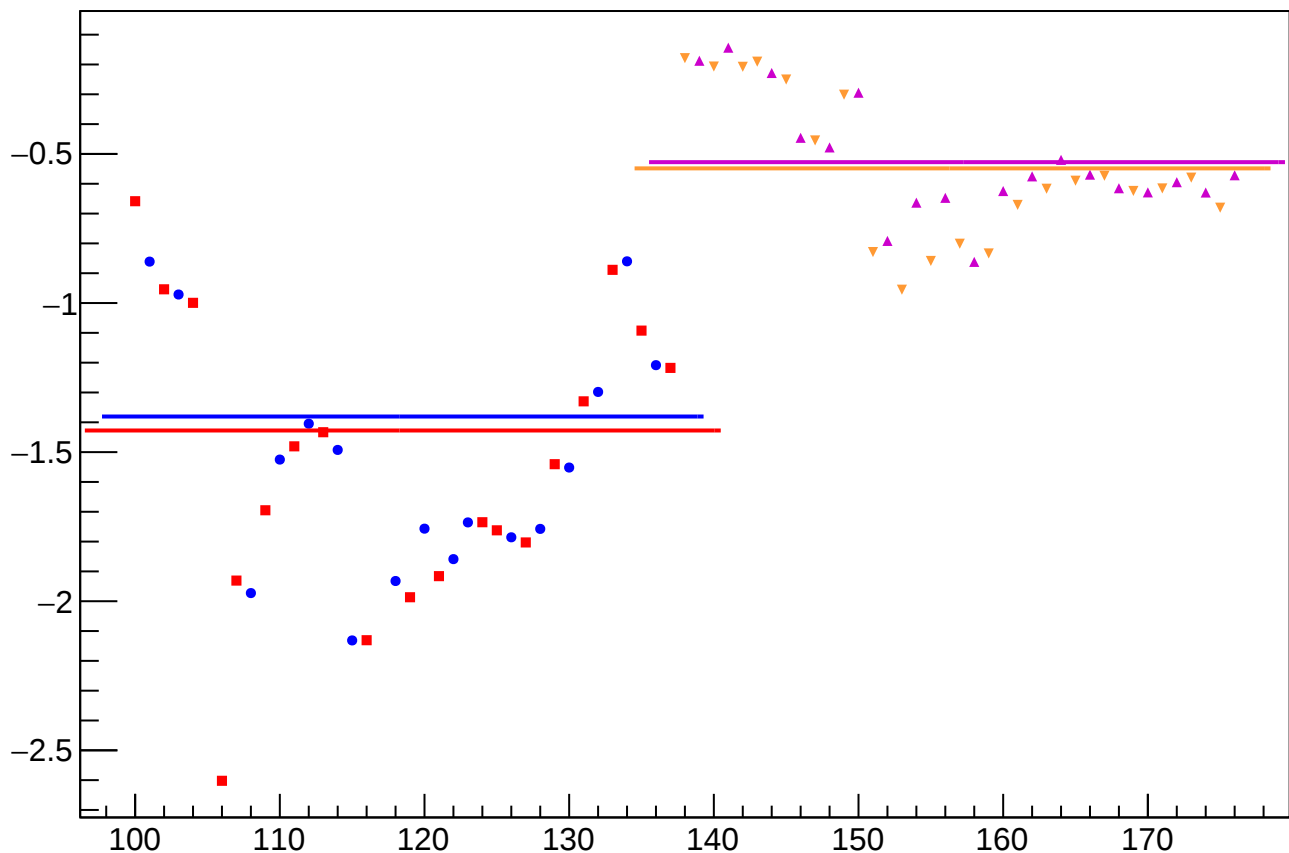
Left In: 0.006+/-0.000 χ^2/NDF :639632.0/18

+ sign 0.007+/-0.000 χ^2/NDF : 2024139.9/36

All: 0.006+/-0.000 χ^2/NDF : 3871408.6/74

- sign 0.006+/-0.000 χ^2/NDF : 1846363.4/37

yield_bpm0i05Y_mean vs Slug



Right In: -1.381+/-0.000 χ^2/NDF : 20001018652.5/16

Left Out: -0.548+/-0.000 χ^2/NDF : 46175563640.1/19

Right Out: -1.427+/-0.000 χ^2/NDF : 29616178528.0/18

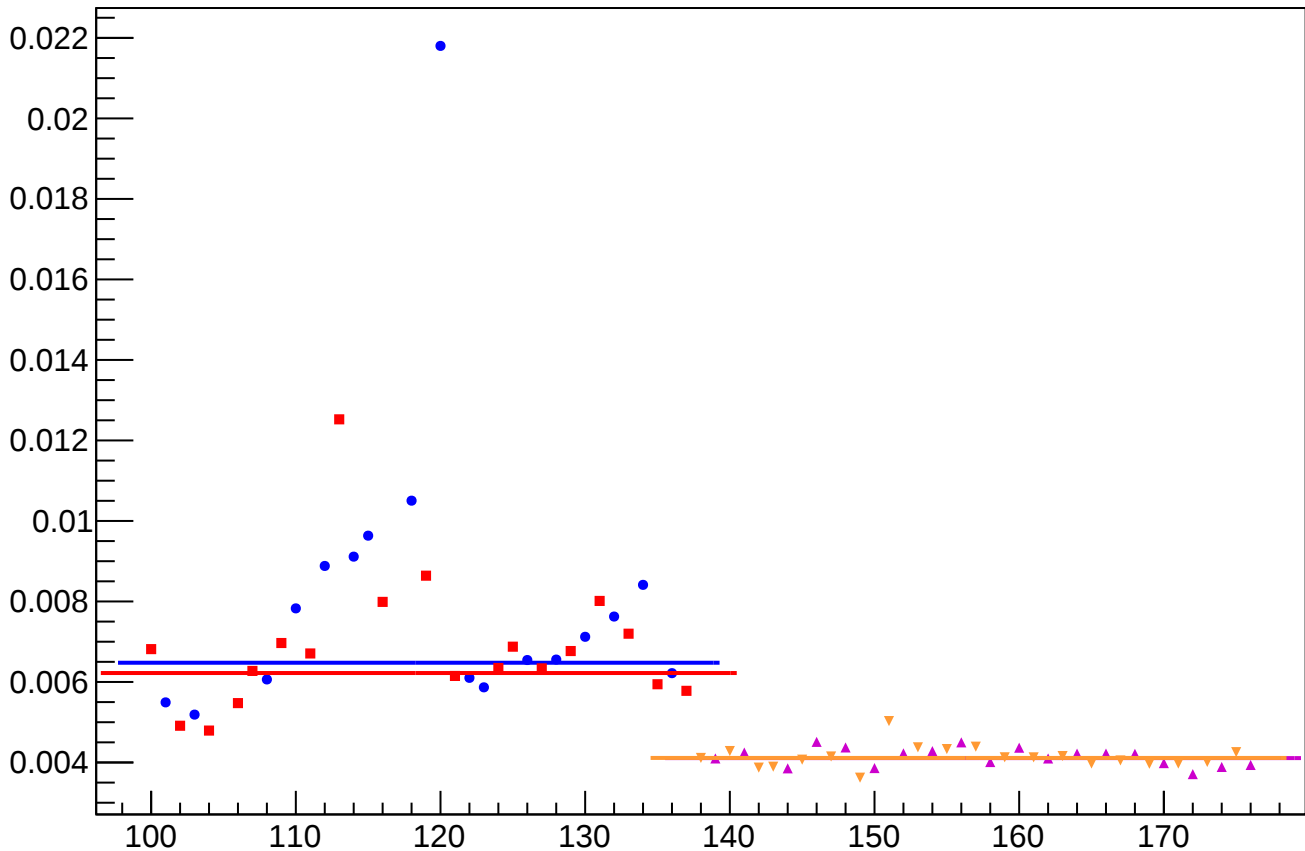
Left In: -0.528+/-0.000 χ^2/NDF : 30479847896.5/18

+ sign -0.664+/-0.000 χ^2/NDF : 143639687986.0/36

All: -0.668+/-0.000 χ^2/NDF : 307110289840.3

- sign -0.671+/-0.000 χ^2/NDF : 163440881821.9/37

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 : 96959.2/19

Right Out: 0.006+/-0.000 χ^2/NDF : 423437.1/18

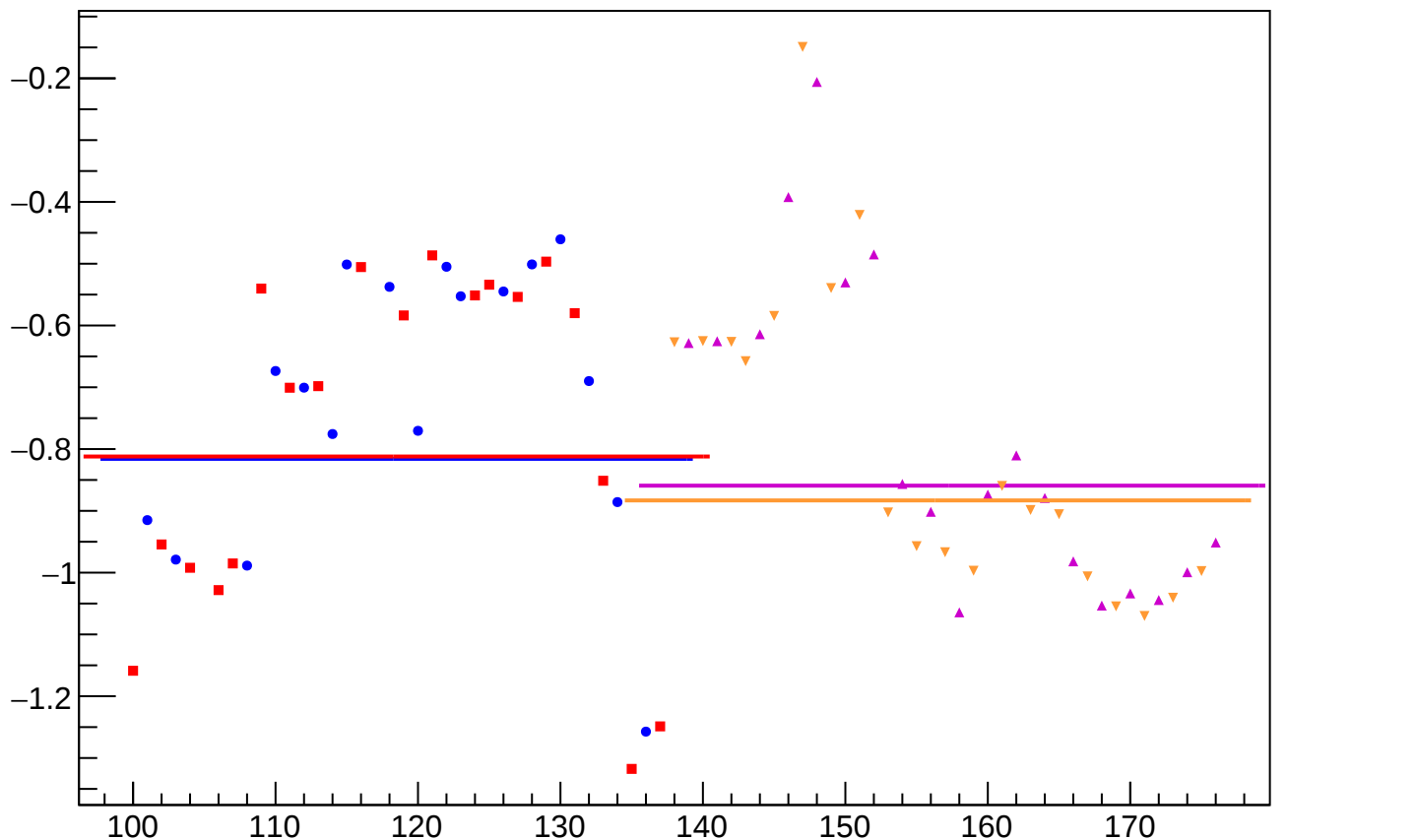
Left In: 0.004+/-0.000 χ^2/NDF : 77710.7/18

+ sign 0.004+/-0.000 χ^2/NDF : 1921141.2/36

All: 0.004+/-0.000 χ^2/NDF : 3562406.9/74

- sign 0.004+/-0.000 χ^2/NDF : 1641221.2/37

yield_bpm0i07X_mean vs Slug



Right In: -0.816+/-0.000 χ^2/NDF : 14172884795.2/16

Left Out: -0.883+/-0.000 χ^2/NDF : 39925763359.7/19

Right Out: -0.812+/-0.000 χ^2/NDF : 16815852448.9/18

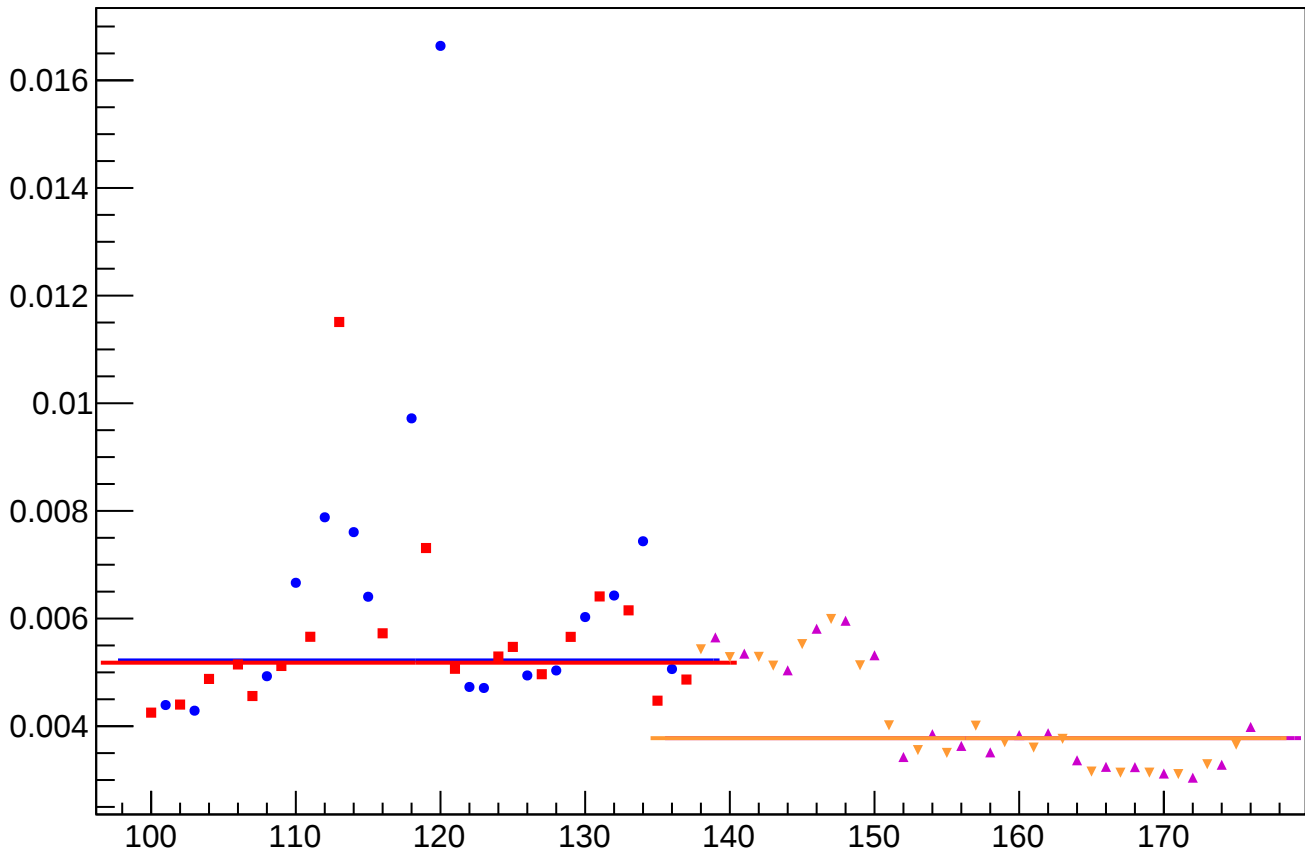
Left In: -0.859+/-0.000 χ^2/NDF : 43364102016.9/18

+ sign -0.871+/-0.000 χ^2/NDF : 54832716124.7/36

All: -0.861+/-0.000 χ^2/NDF : 115669267197.0

- sign -0.850+/-0.000 χ^2/NDF : 60577274712.8/37

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:1124610.3/19

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 363781.3/18

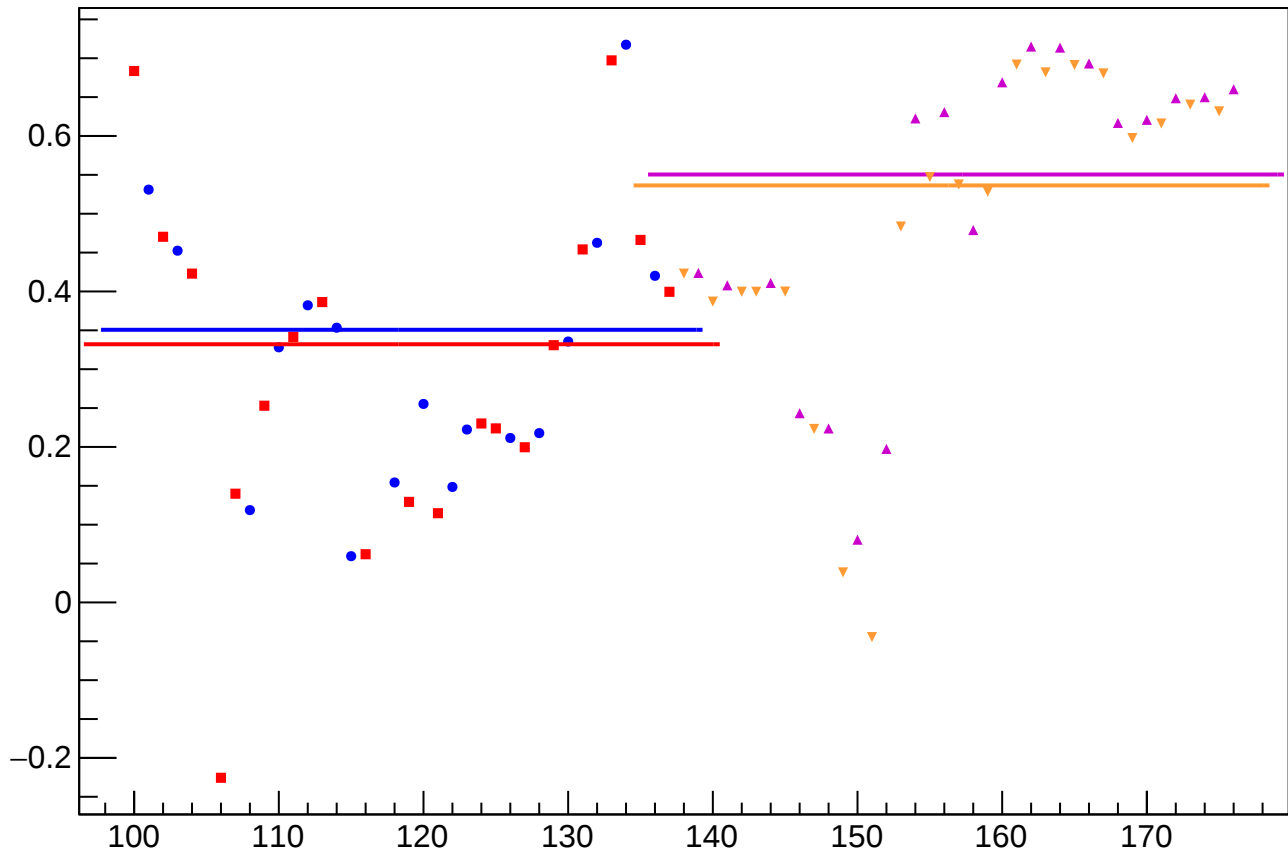
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1187663.6/18

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2464780.8/36

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4718019.7/74

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2252712.8/37

yield_bpm0i07Y_mean vs Slug



Right In: 0.351+/-0.000 χ^2/NDF : 7410859446.3/16

Left Out: 0.536+/-0.000 χ^2/NDF : 40581491919.7/19

Right Out: 0.332+/-0.000 χ^2/NDF : 11796213425.9/18

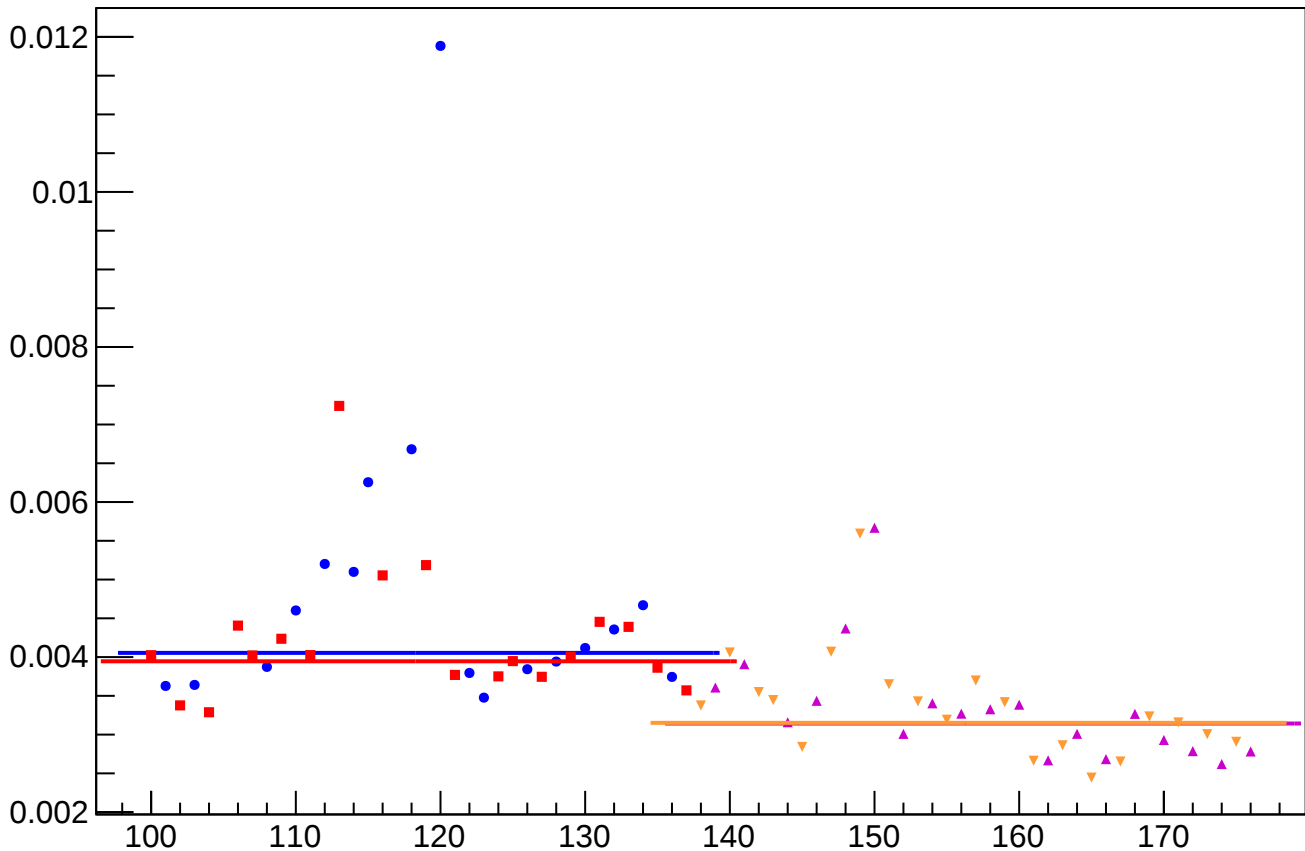
Left In: 0.550+/-0.000 χ^2/NDF : 39033459950.4/18

+ sign 0.498+/-0.000 χ^2/NDF : 57450904521.2/36

All: 0.499+/-0.000 χ^2/NDF : 122707101994.8

- sign 0.500+/-0.000 χ^2/NDF : 65251232566.9/37

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: 725286.3/19

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 260968.0/18

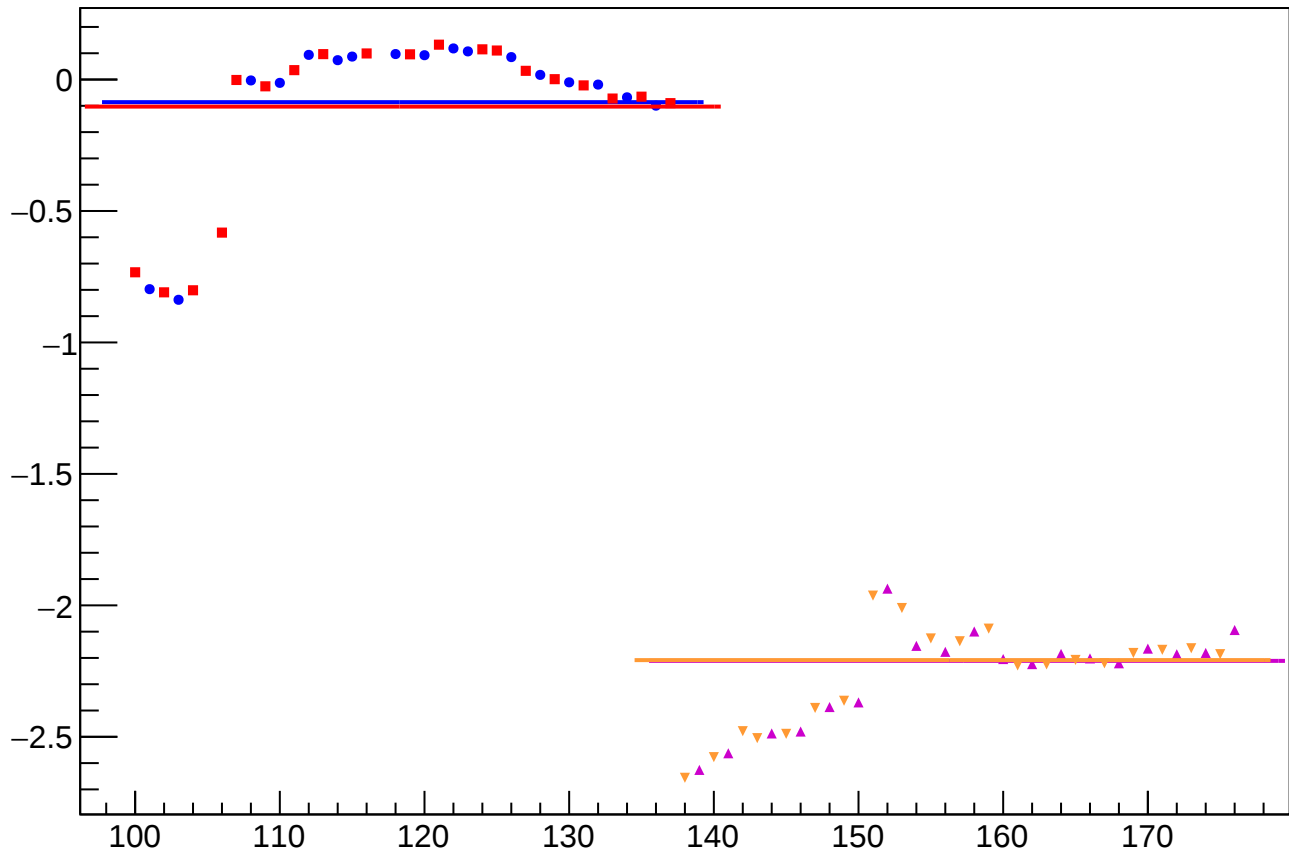
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 708619.4/18

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1627387.0/36

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2986826.6/74

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1359200.5/37

yield_bpm1i02X_mean vs Slug



Right In: -0.086+/-0.000 χ^2/NDF : 4989387592.7/16

Left Out: -2.208+/-0.000 χ^2/NDF : 3470218836.0/19

Right Out: -0.103+/-0.000 χ^2/NDF : 5553039516.7/18

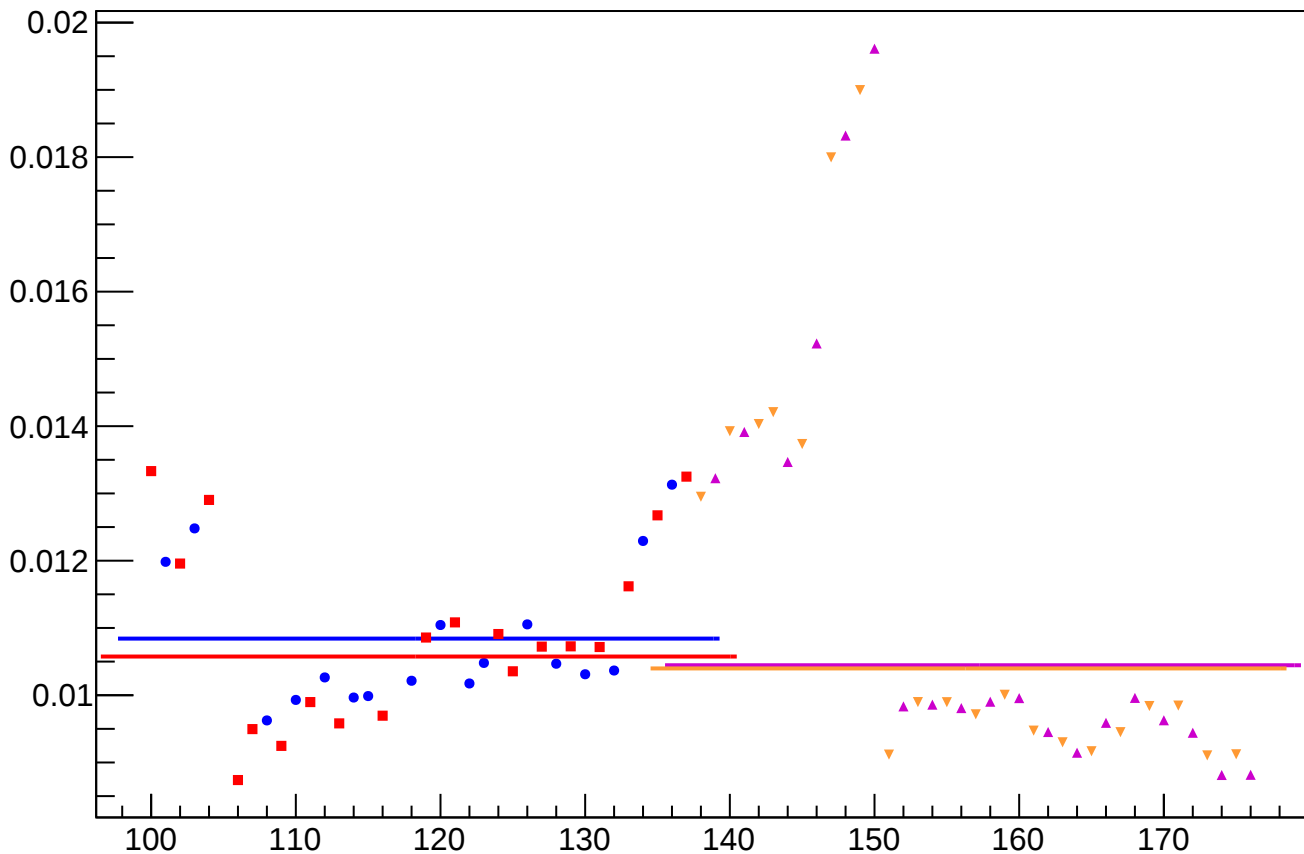
Left In: -2.211+/-0.000 χ^2/NDF : 2895498307.2/18

+ sign -1.574+/-0.000 χ^2/NDF : 186766997338.6/36

All: -1.545+/-0.000 χ^2/NDF : 382403263861.7

- sign -1.516+/-0.000 χ^2/NDF : 195323739694.7/37

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 124260.3/16

Left Out: 0.010+/-0.000 χ^2/NDF :1197944.5/19

Right Out: 0.011+/-0.000 χ^2/NDF : 178967.4/18

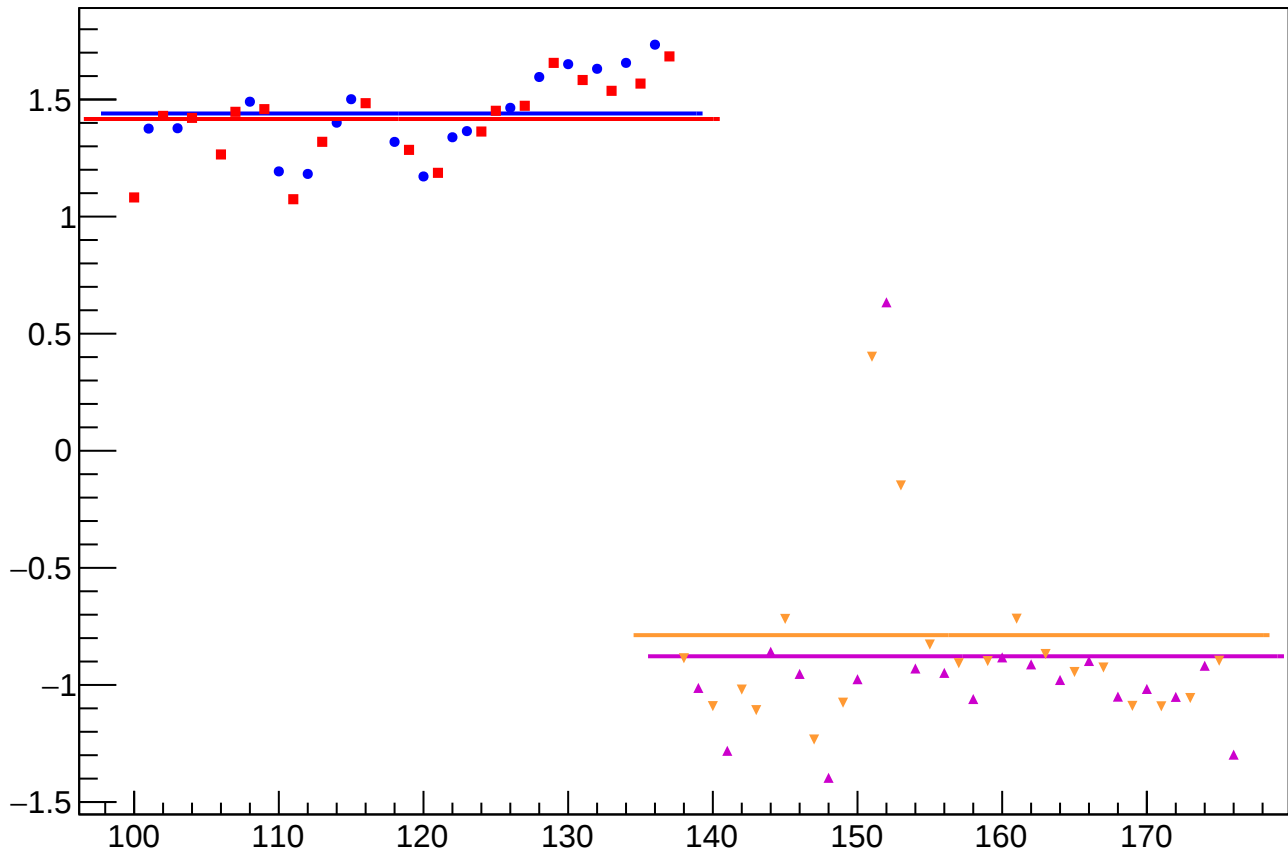
Left In: 0.010+/-0.000 χ^2/NDF :1291358.1/18

+ sign 0.011+/-0.000 χ^2/NDF : 1337787.8/36

All: 0.011+/-0.000 χ^2/NDF : 2809870.7/74

- sign 0.010+/-0.000 χ^2/NDF : 1471739.4/37

yield_bpm1i02Y_mean vs Slug



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3449252780.8/16

Left Out: -0.787 $\pm$ 0.000 χ^2 /NDF: 34948846518.2/19

Right Out: 1.417 $\pm$ 0.000 χ^2 /NDF: 2674064512.3/18

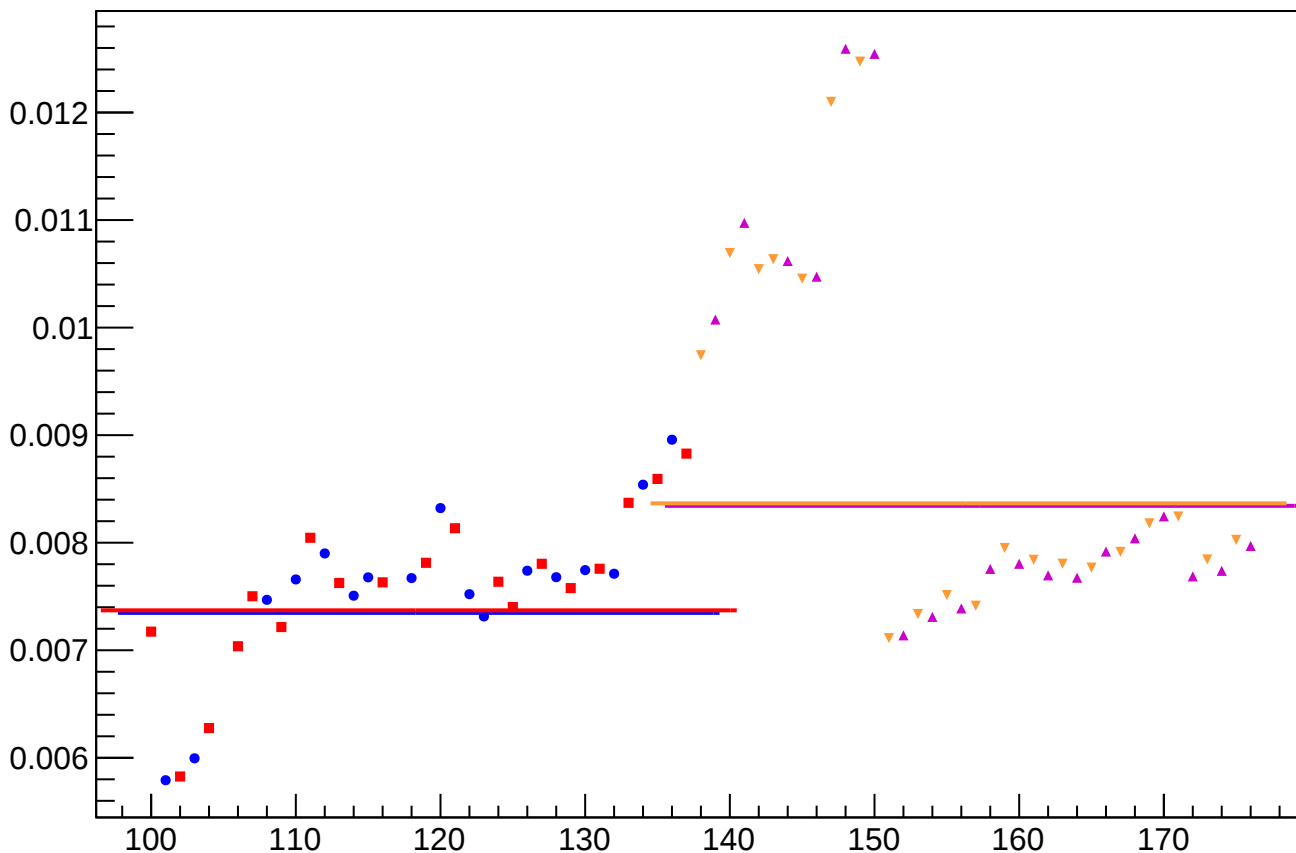
Left In: -0.878 $\pm$ 0.000 χ^2 /NDF: 43476947243.5/18

+ sign 0.037 $\pm$ 0.000 χ^2 /NDF: 419941606015.0/36

All: 0.025 $\pm$ 0.000 χ^2 /NDF: 882118658699.8

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 462082176406.1/37

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 : 752085.9/19

Right Out: 0.007+/-0.000 χ^2/NDF : 172689.5/18

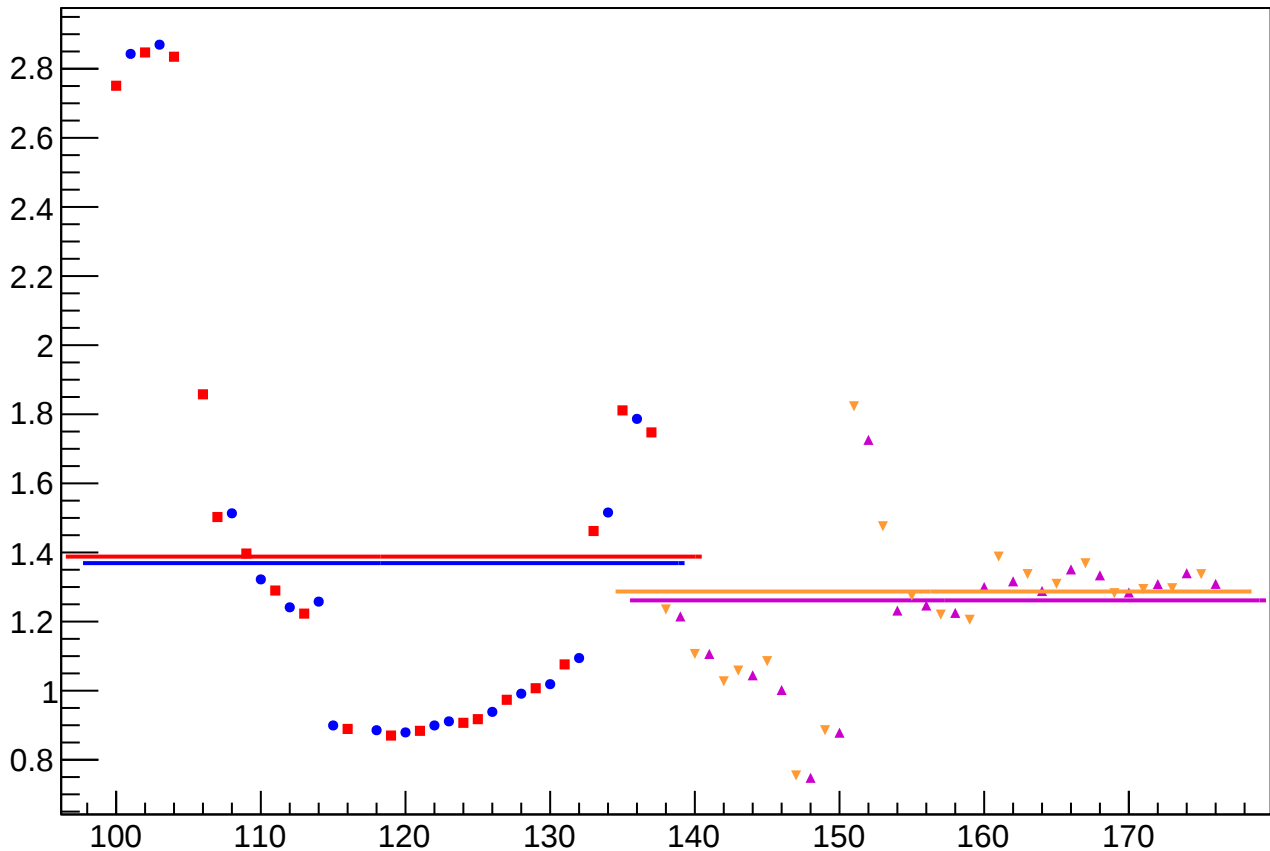
Left In: 0.008+/-0.000 χ^2/NDF : 829958.8/18

+ sign 0.008+/-0.000 χ^2/NDF : 1139732.7/36

All: 0.008+/-0.000 χ^2/NDF : 2291748.7/74

- sign 0.008+/-0.000 χ^2/NDF : 1151829.9/37

yield_bpm1i04X_mean vs Slug



Right In: 1.369 ± 0.000 χ^2/NDF : 54205395389.8/16

Left Out: 1.287 ± 0.000 χ^2/NDF : 9154655599.2/19

Right Out: 1.388 ± 0.000 χ^2/NDF : 49900245868.0/18

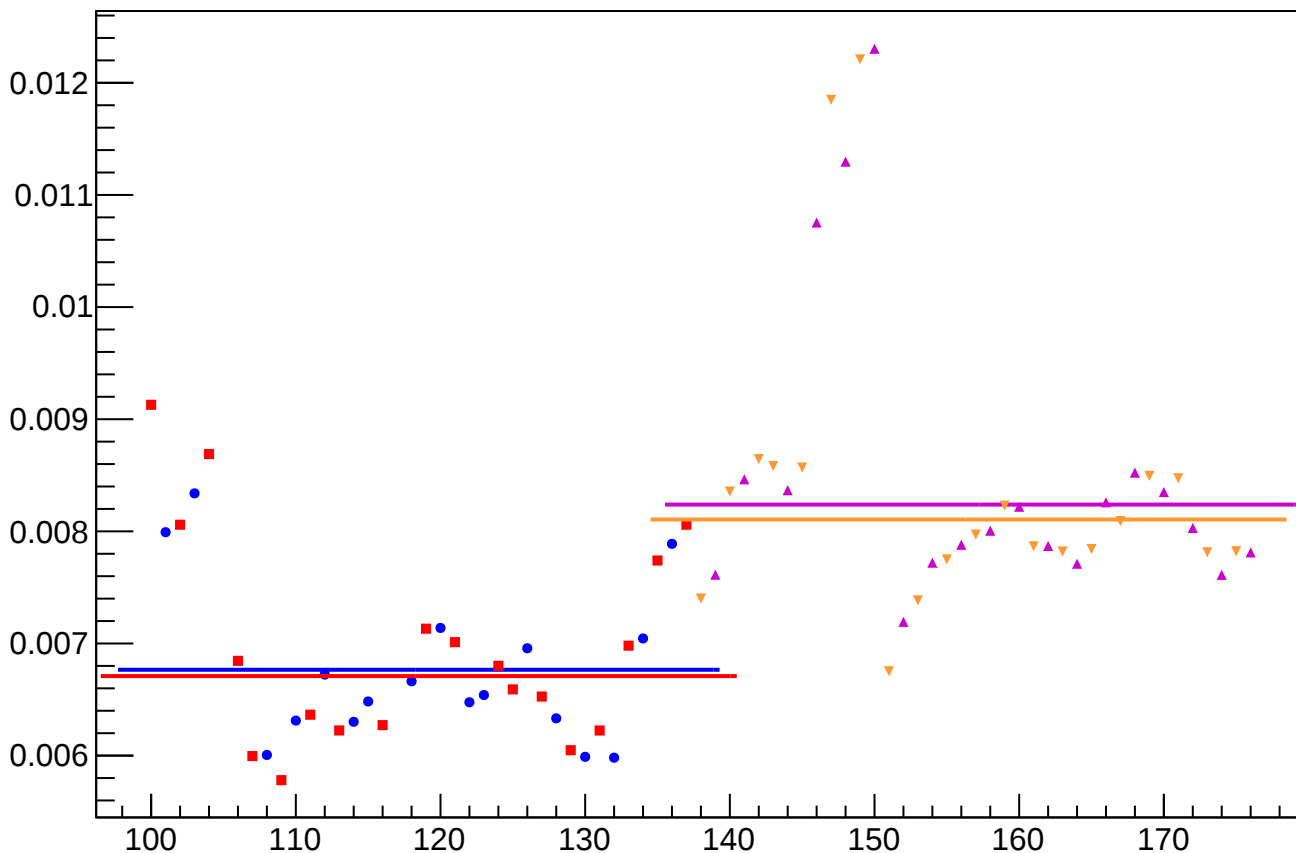
Left In: 1.261 ± 0.000 χ^2/NDF : 7402983485.8/18

+ sign 1.320 ± 0.000 χ^2/NDF : 63947373108.8/36

All: 1.318 ± 0.000 χ^2/NDF : 122681255217.4

- sign 1.316 ± 0.000 χ^2/NDF : 58730792813.4/37

yield_bpm1i04X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 159554.9/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 421555.4/19

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 187826.7/18

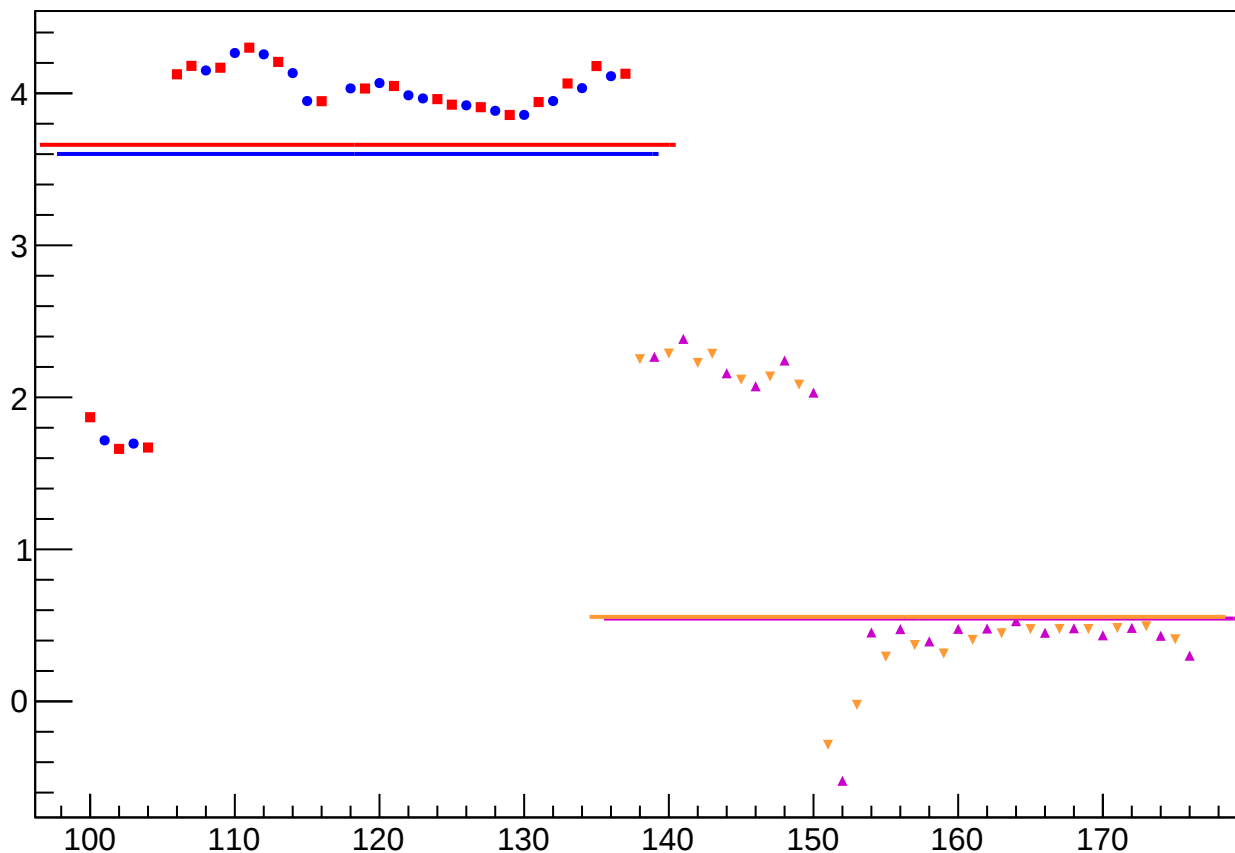
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 446852.9/18

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 893600.6/36

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 1944377.9/74

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1050730.9/37

yield_bpm1i04Y_mean vs Slug



Right In: 3.601 $\pm$ 0.000 χ^2 /NDF: 185806937655.3/16

Left Out: 0.556 $\pm$ 0.000 χ^2 /NDF: 259339027700.1/19

Right Out: 3.661 $\pm$ 0.000 χ^2 /NDF: 192519897222.5/18

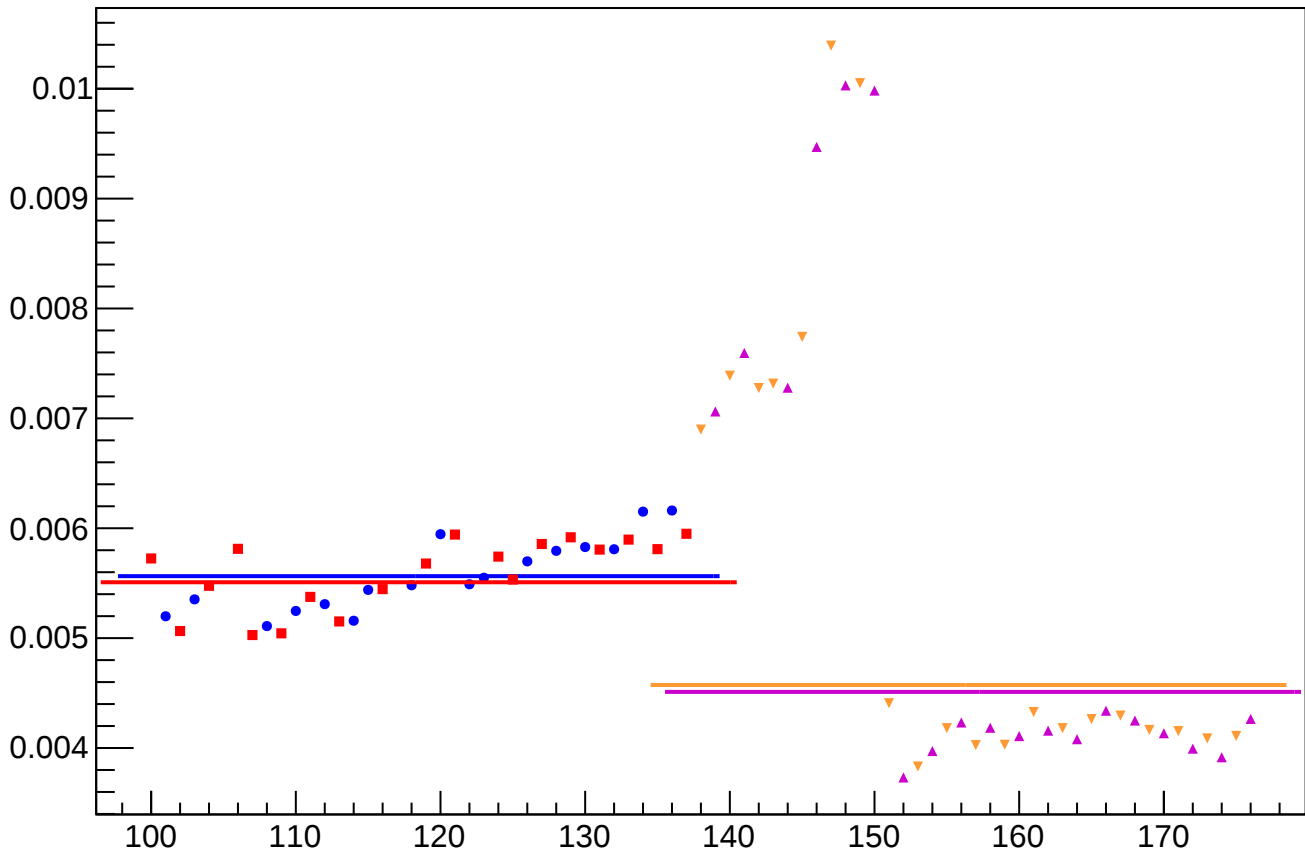
Left In: 0.545 $\pm$ 0.000 χ^2 /NDF: 258348446591.0/18

+ sign 1.324 $\pm$ 0.000 χ^2 /NDF: 1942491281409.3/36

All: 1.345 $\pm$ 0.000 χ^2 /NDF: 4034962875879.0

- sign 1.365 $\pm$ 0.000 χ^2 /NDF: 2091751233702.8/37

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 : 2016381.9/19

Right Out: 0.006+/-0.000 χ^2/NDF : 52634.8/18

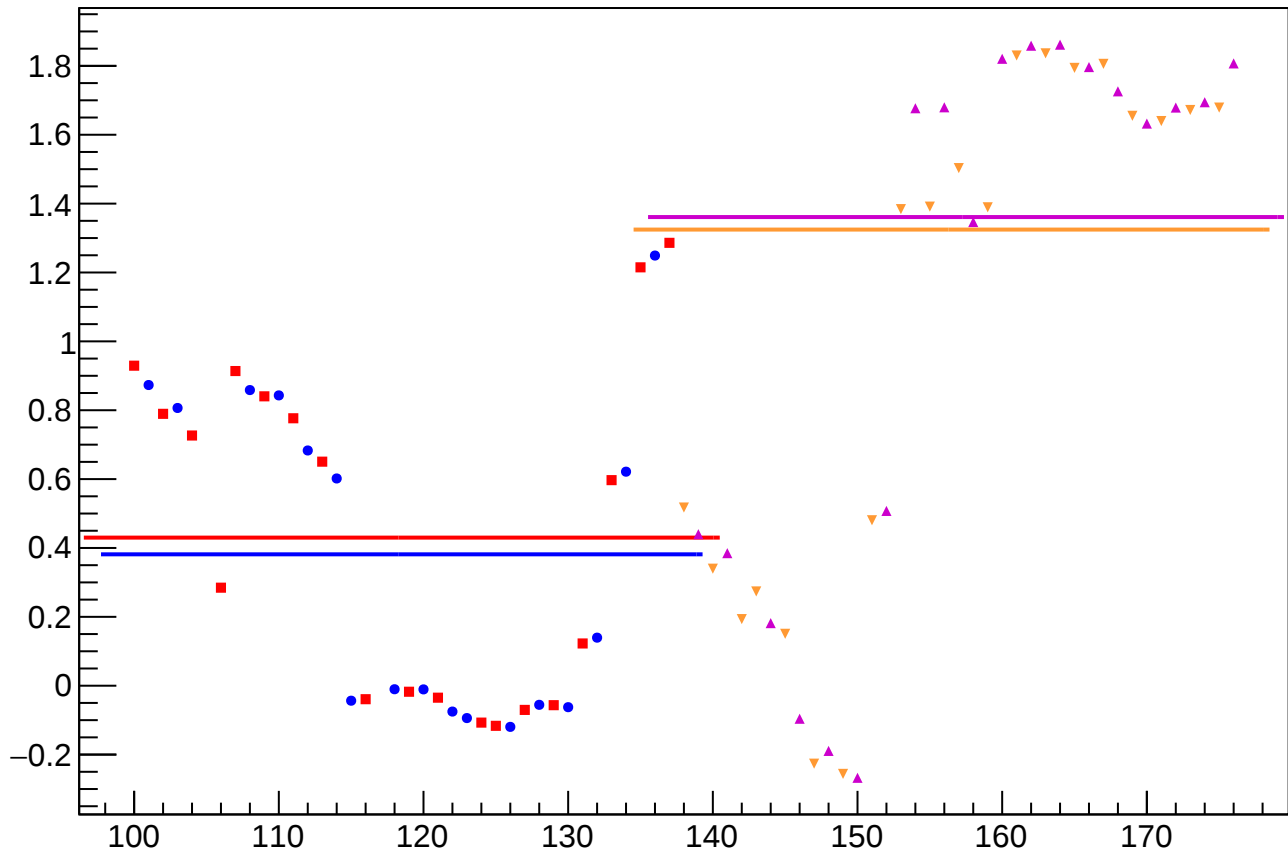
Left In: 0.005+/-0.000 χ^2/NDF : 2221786.9/18

+ sign 0.005+/-0.000 χ^2/NDF : 2380878.9/36

All: 0.005+/-0.000 χ^2/NDF : 4993814.8/74

- sign 0.005+/-0.000 χ^2/NDF : 2610773.8/37

yield_bpm1i06X_mean vs Slug



Right In: 0.382 $\pm$ 0.000 χ^2 /NDF: 7124759123.1/16

Left Out: 1.325 $\pm$ 0.000 χ^2 /NDF: 42845382204.1/19

Right Out: 0.430 $\pm$ 0.000 χ^2 /NDF: 6676199135.9/18

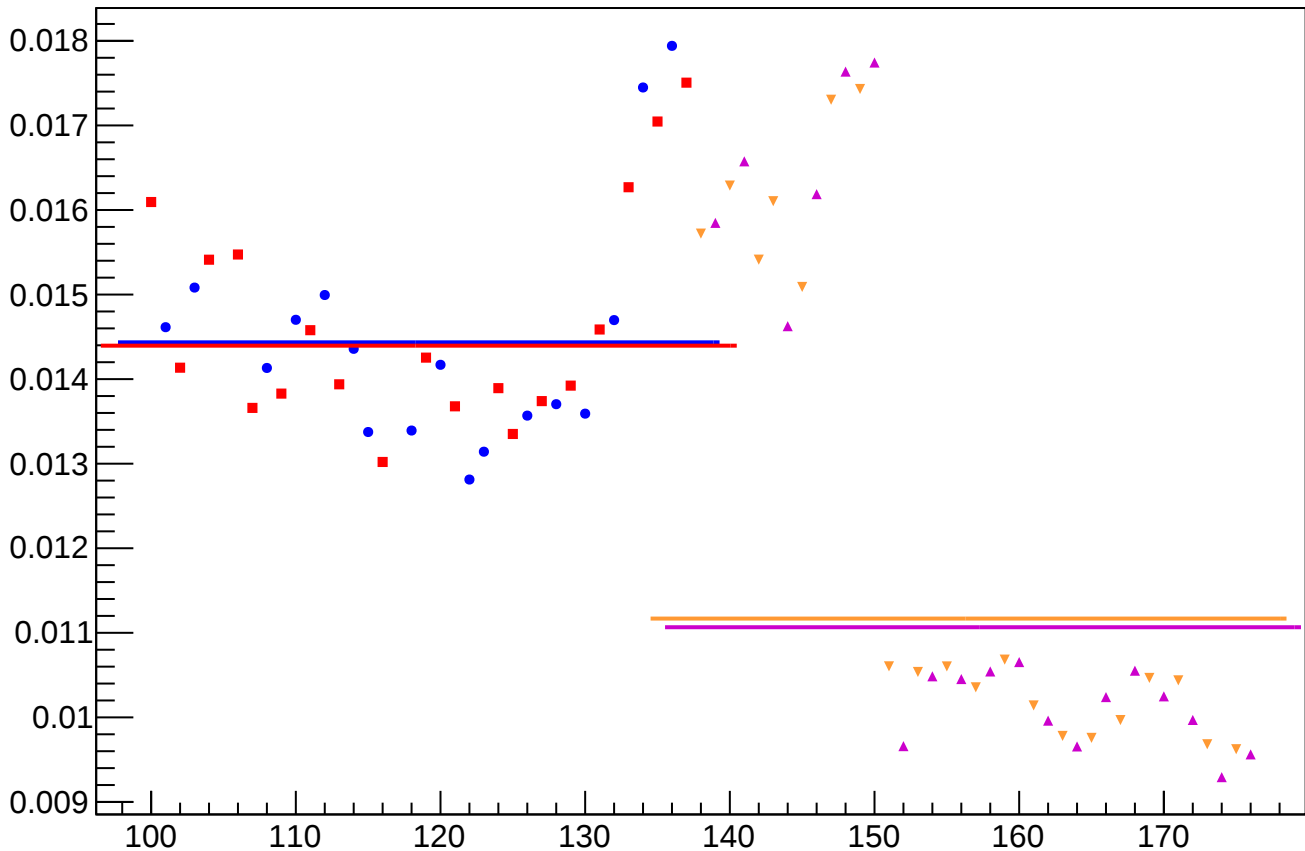
Left In: 1.361 $\pm$ 0.000 χ^2 /NDF: 49022524024.5/18

+ sign 1.119 $\pm$ 0.000 χ^2 /NDF: 72081561567.2/36

All: 1.134 $\pm$ 0.000 χ^2 /NDF: 150259008642.8

- sign 1.149 $\pm$ 0.000 χ^2 /NDF: 78113501036.1/37

yield_bpm1i06X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 110224.4/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:1175947.4/19

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 74531.6/18

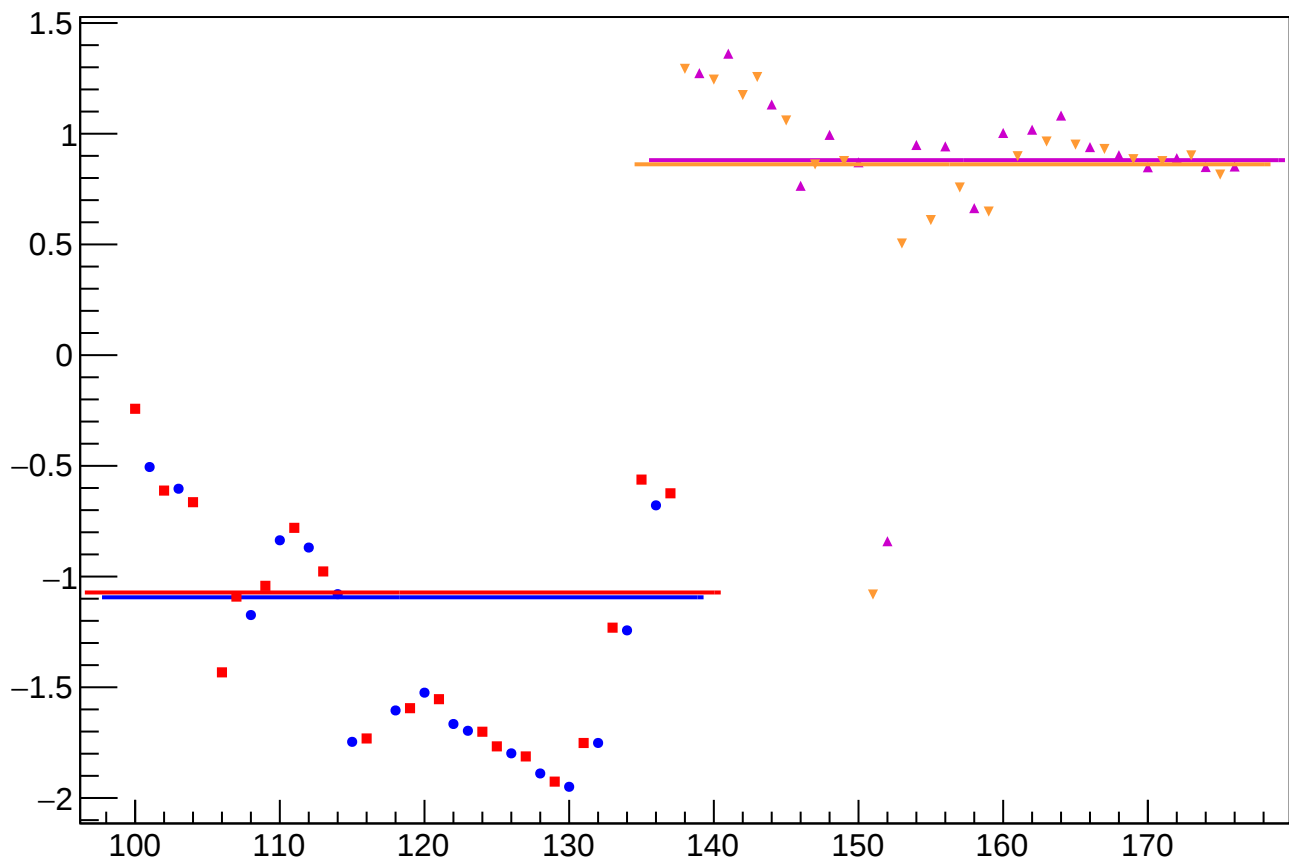
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:1252442.1/18

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1816743.9/36

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 3717700.8/74

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1900516.0/37

yield_bpm1i06Y_mean vs Slug



Right In: -1.094 ± 0.000 $\chi^2/\text{NDF}: 55960104370.4/16$

Left Out: 0.862 ± 0.000 $\chi^2/\text{NDF}: 125036381654.9/19$

Right Out: -1.072 ± 0.000 $\chi^2/\text{NDF}: 46896017480.0/18$

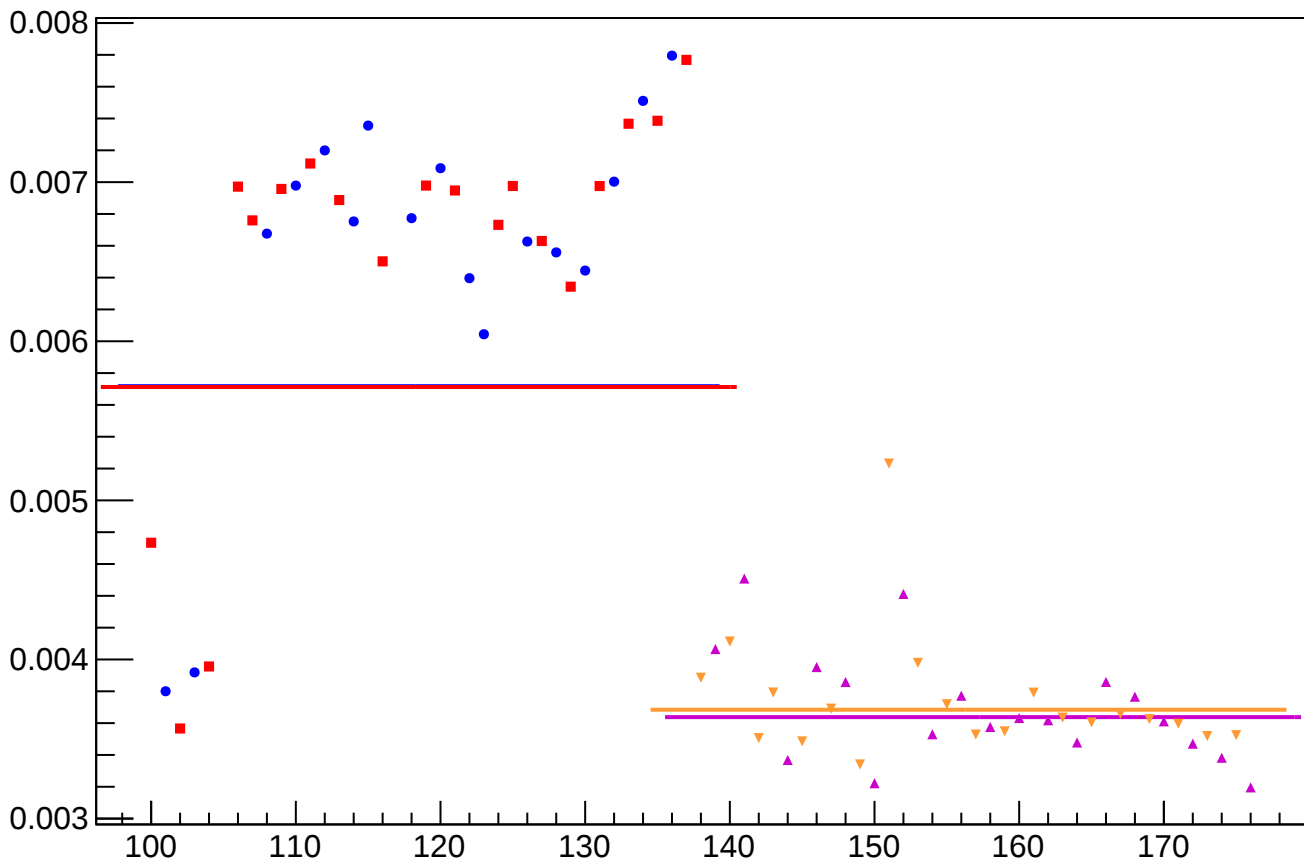
Left In: 0.881 ± 0.000 $\chi^2/\text{NDF}: 145933123110.2/18$

+ sign 0.561 ± 0.000 $\chi^2/\text{NDF}: 768948849505.6/36$

All: 0.566 ± 0.000 $\chi^2/\text{NDF}: 1567436806491.0/70$

- sign 0.570 ± 0.000 $\chi^2/\text{NDF}: 798439392591.5/37$

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 837775.0/16

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:170837.5/19

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 923899.1/18

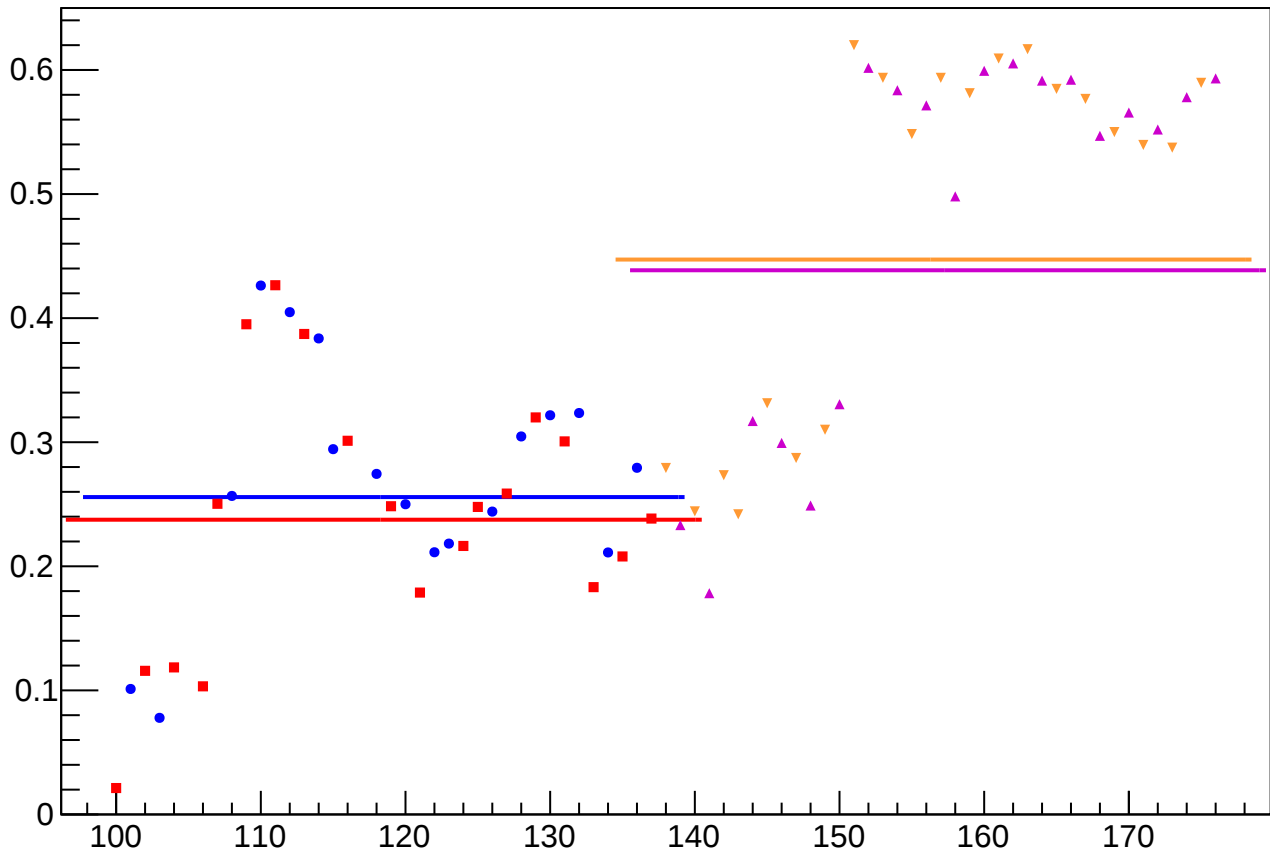
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:216188.0/18

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2279920.5/36

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4788753.9/74

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2507812.9/37

yield_bpm2i01X_mean vs Slug



Right In: 0.256+/-0.000 χ^2/NDF : 21365489849.4/16

Left Out: 0.447+/-0.000 χ^2/NDF : 90374253982.3/19

Right Out: 0.238+/-0.000 χ^2/NDF : 26057284646.9/18

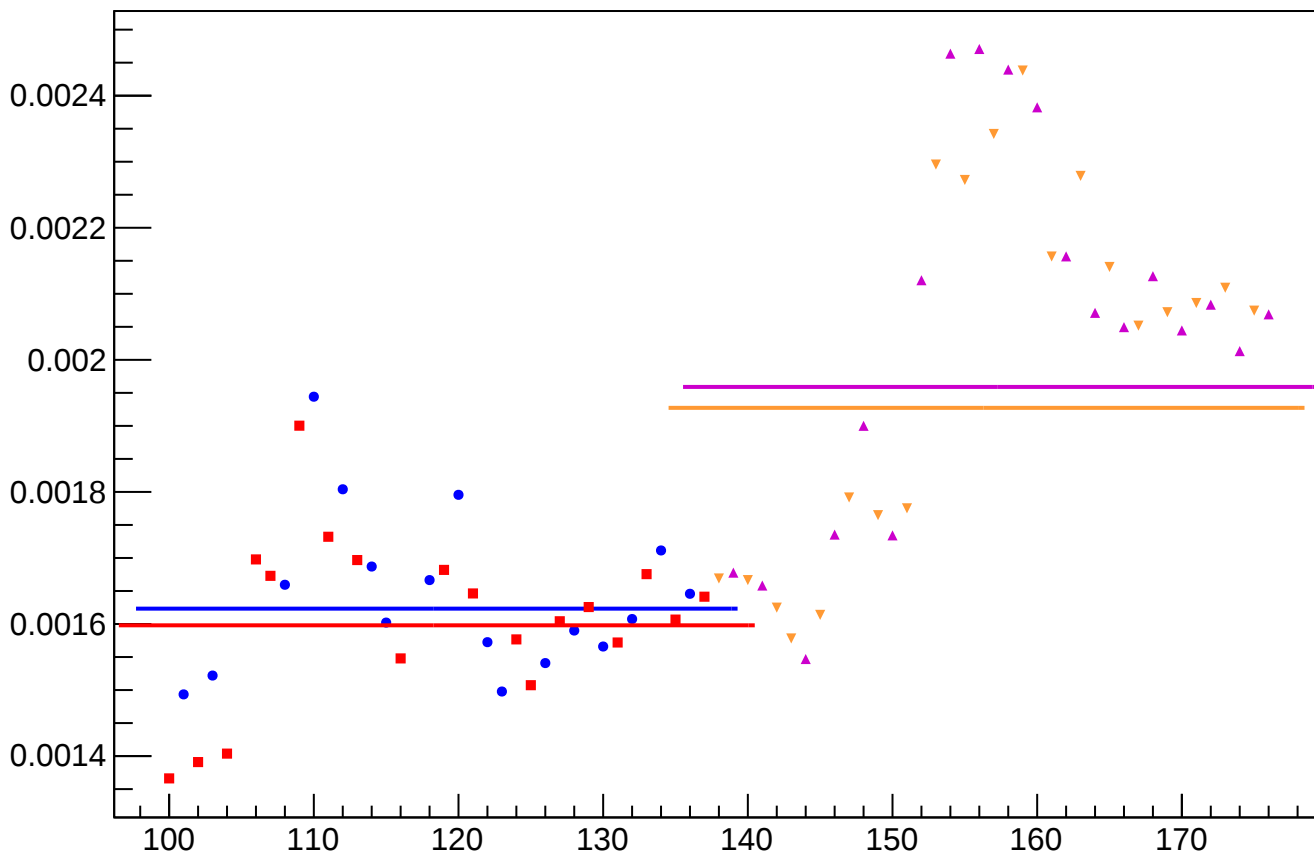
Left In: 0.439+/-0.000 χ^2/NDF : 91471295613.2/18

+ sign 0.374+/-0.000 χ^2/NDF : 166963960544.9/36

All: 0.363+/-0.000 χ^2/NDF : 349122246062.3

- sign 0.353+/-0.000 χ^2/NDF : 180795263497.7/37

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 : 561773.7/19

Right Out: 0.002+/-0.000 χ^2/NDF : 90678.4/18

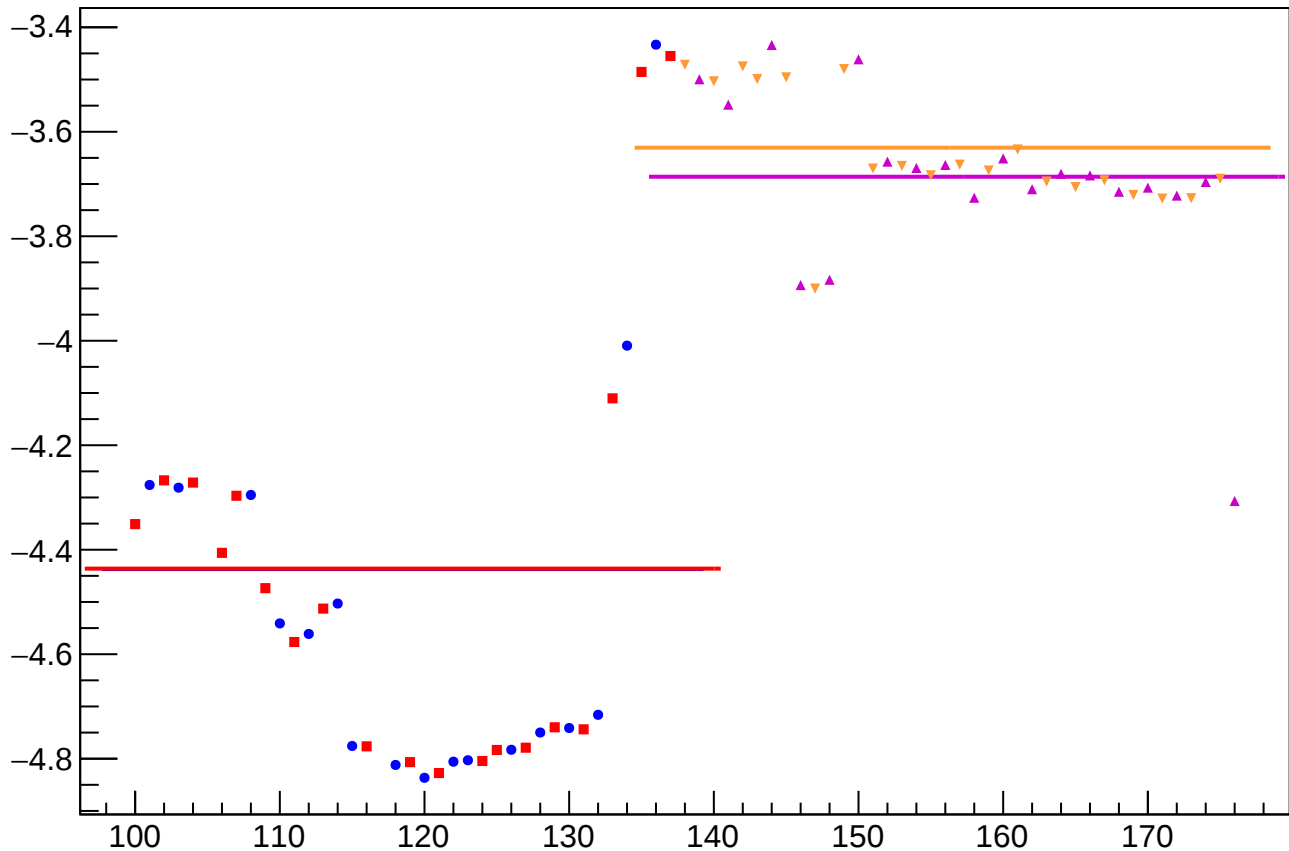
Left In: 0.002+/-0.000 χ^2/NDF : 569117.3/18

+ sign 0.002+/-0.000 χ^2/NDF : 892878.7/36

All: 0.002+/-0.000 χ^2/NDF : 1960831.3/74

- sign 0.002+/-0.000 χ^2/NDF : 1067784.3/37

yield_bpm2i01Y_mean vs Slug



Right In: -4.437+/-0.000 χ^2/NDF : 392812415429.0/16

Left Out: -3.630+/-0.000 χ^2/NDF : 40828381671.2/19

Right Out: -4.436+/-0.000 χ^2/NDF : 325183860699.4/18

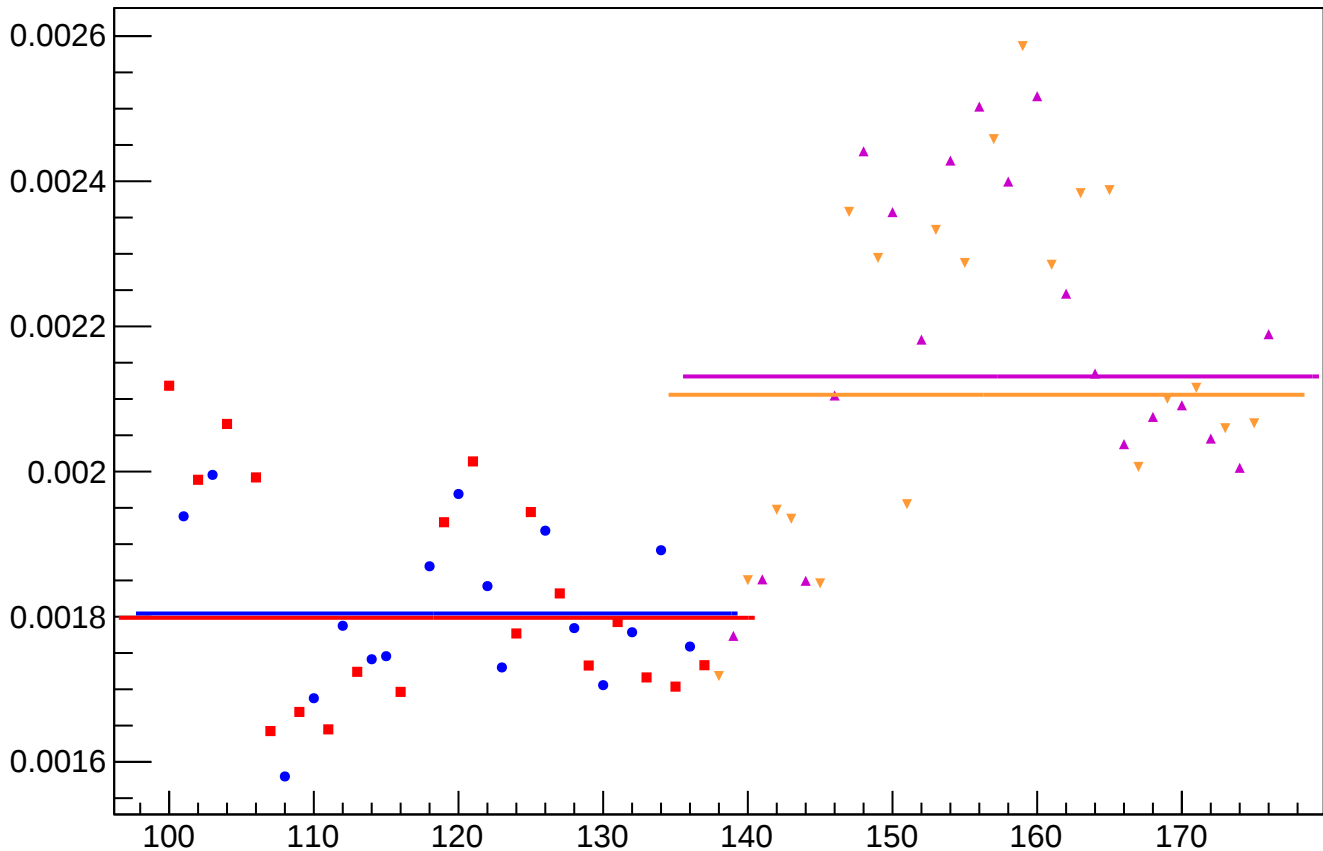
Left In: -3.686+/-0.000 χ^2/NDF : 107832792389.2/18

+ sign -3.936+/-0.000 χ^2/NDF : 1241138747059.0/3

All: -3.962+/-0.000 χ^2/NDF : 2394469984012

- sign -3.989+/-0.000 χ^2/NDF : 1145996631028.1/3

yield_bpm2i01Y_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 49103.2/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:344236.4/19

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 81021.0/18

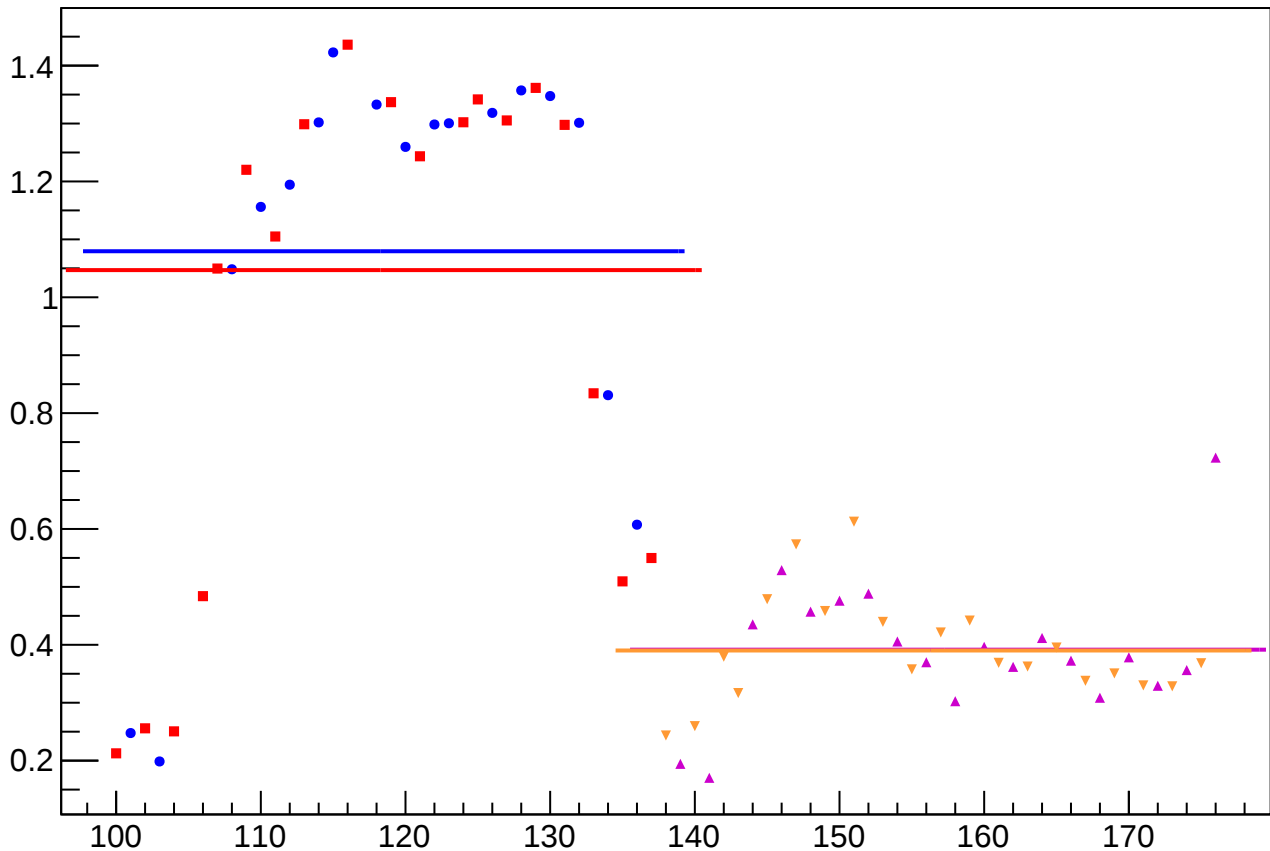
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:306199.4/18

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 618830.1/36

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 1286404.7/74

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 667429.6/37

yield_bpm2i02X_mean vs Slug



Right In: 1.080 $\pm$ 0.000 χ^2 /NDF: 17533321220.5/16

Left Out: 0.390 $\pm$ 0.000 χ^2 /NDF:1380580609.9/19

+ sign 0.677 $\pm$ 0.000 χ^2 /NDF: 52828319723.0/36

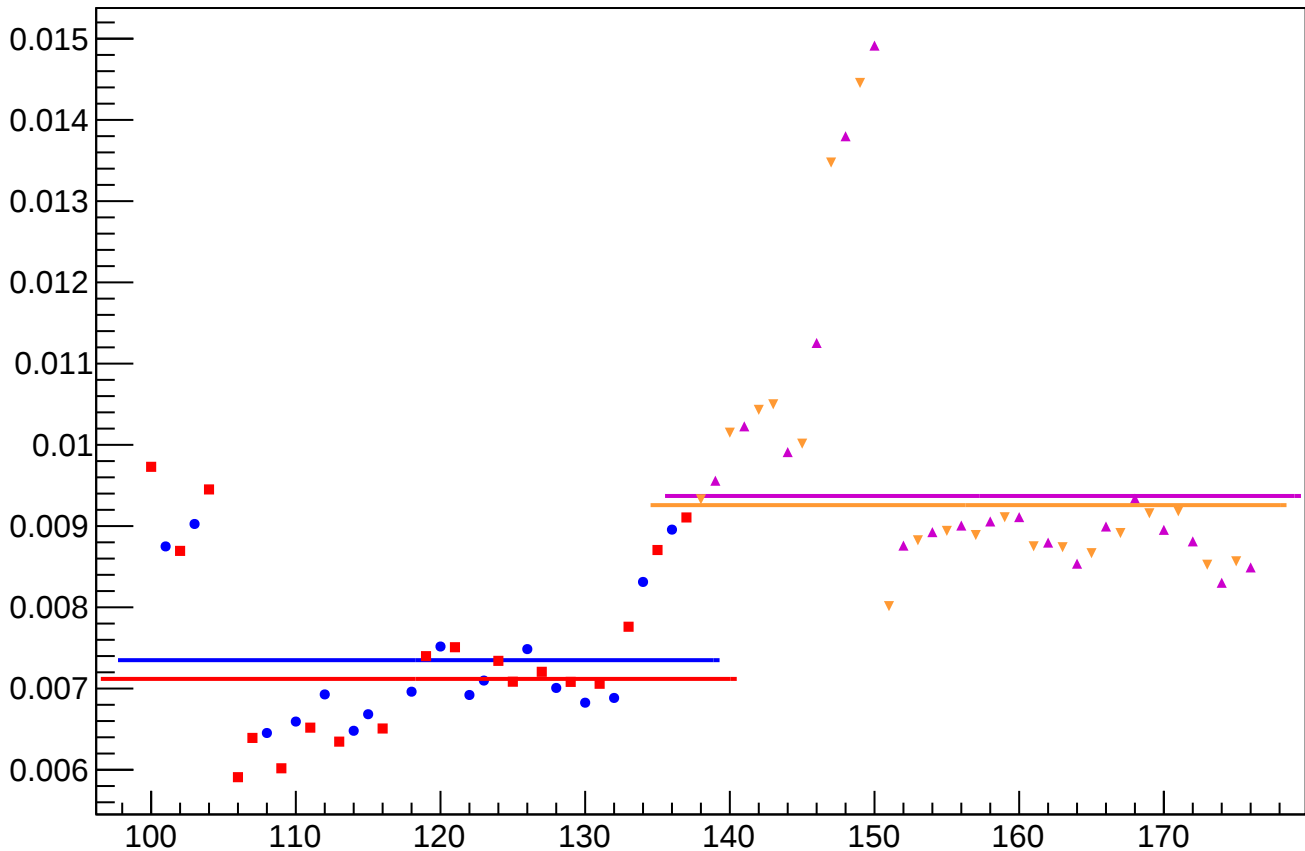
Right Out: 1.047 $\pm$ 0.000 χ^2 /NDF: 19683192379.0/18

All: 0.685 $\pm$ 0.000 χ^2 /NDF: 106882261134.0

Left In: 0.392 $\pm$ 0.000 χ^2 /NDF:2299104602.1/18

- sign 0.692 $\pm$ 0.000 χ^2 /NDF: 54022737778.2/37

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 : 496499.7/19

Right Out: 0.007+/-0.000 χ^2/NDF : 259112.0/18

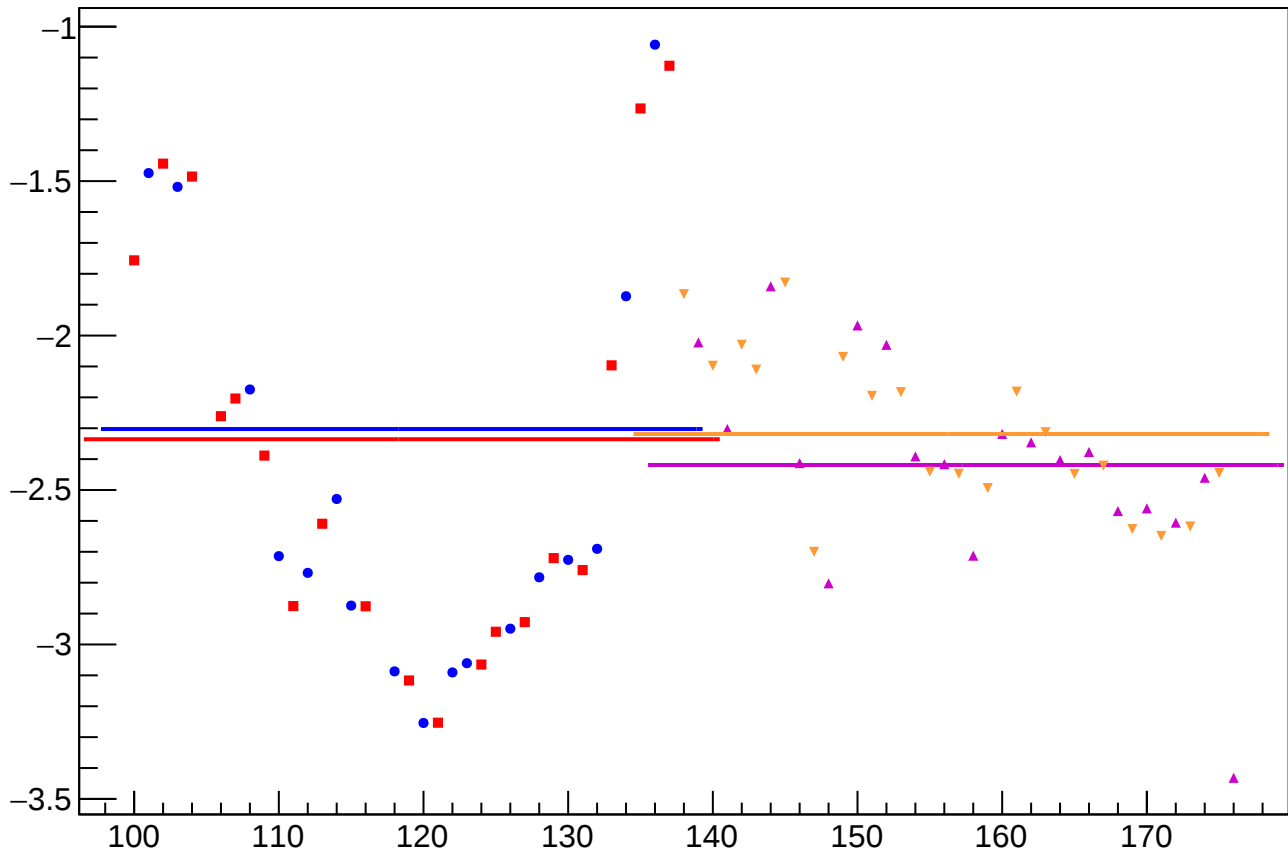
Left In: 0.009+/-0.000 χ^2/NDF : 552062.9/18

+ sign 0.008+/-0.000 χ^2/NDF : 1197275.3/36

All: 0.008+/-0.000 χ^2/NDF : 2769715.7/74

- sign 0.008+/-0.000 χ^2/NDF : 1567883.4/37

yield_bpm2i02Y_mean vs Slug



Right In: -2.303+/-0.000 χ^2/NDF : 73755914805.8/16

Left Out: -2.319+/-0.000 χ^2/NDF : 11825902160.2/19

Right Out: -2.336+/-0.000 χ^2/NDF : 64499162456.4/18

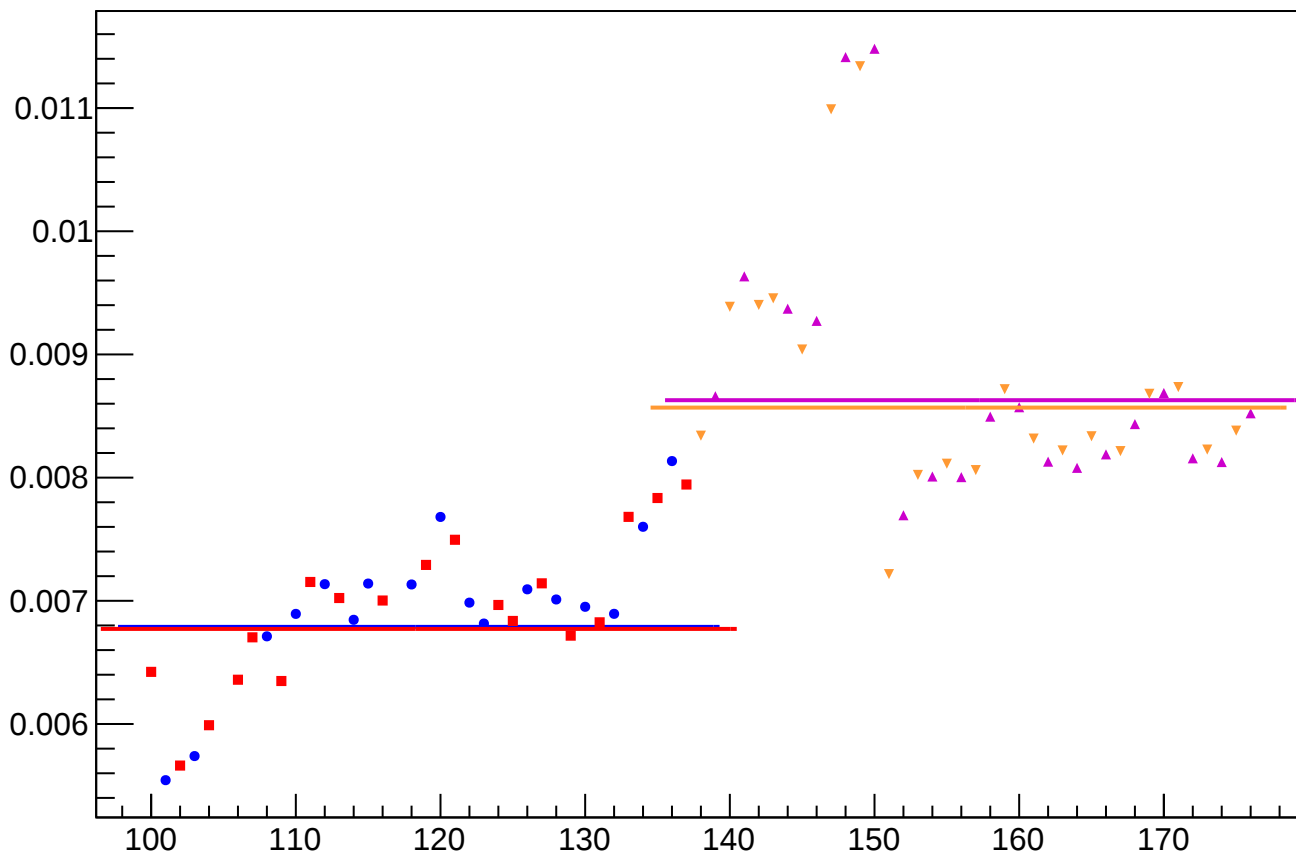
Left In: -2.419+/-0.000 χ^2/NDF : 21556401849.6/18

+ sign -2.312+/-0.000 χ^2/NDF : 85603300419.0/36

All: -2.347+/-0.000 χ^2/NDF : 173111014898.3

- sign -2.382+/-0.000 χ^2/NDF : 86652782322.5/37

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 165199.2/16

Left Out: 0.009+/-0.000 χ^2/NDF : 293959.4/19

Right Out: 0.007+/-0.000 χ^2/NDF : 123244.0/18

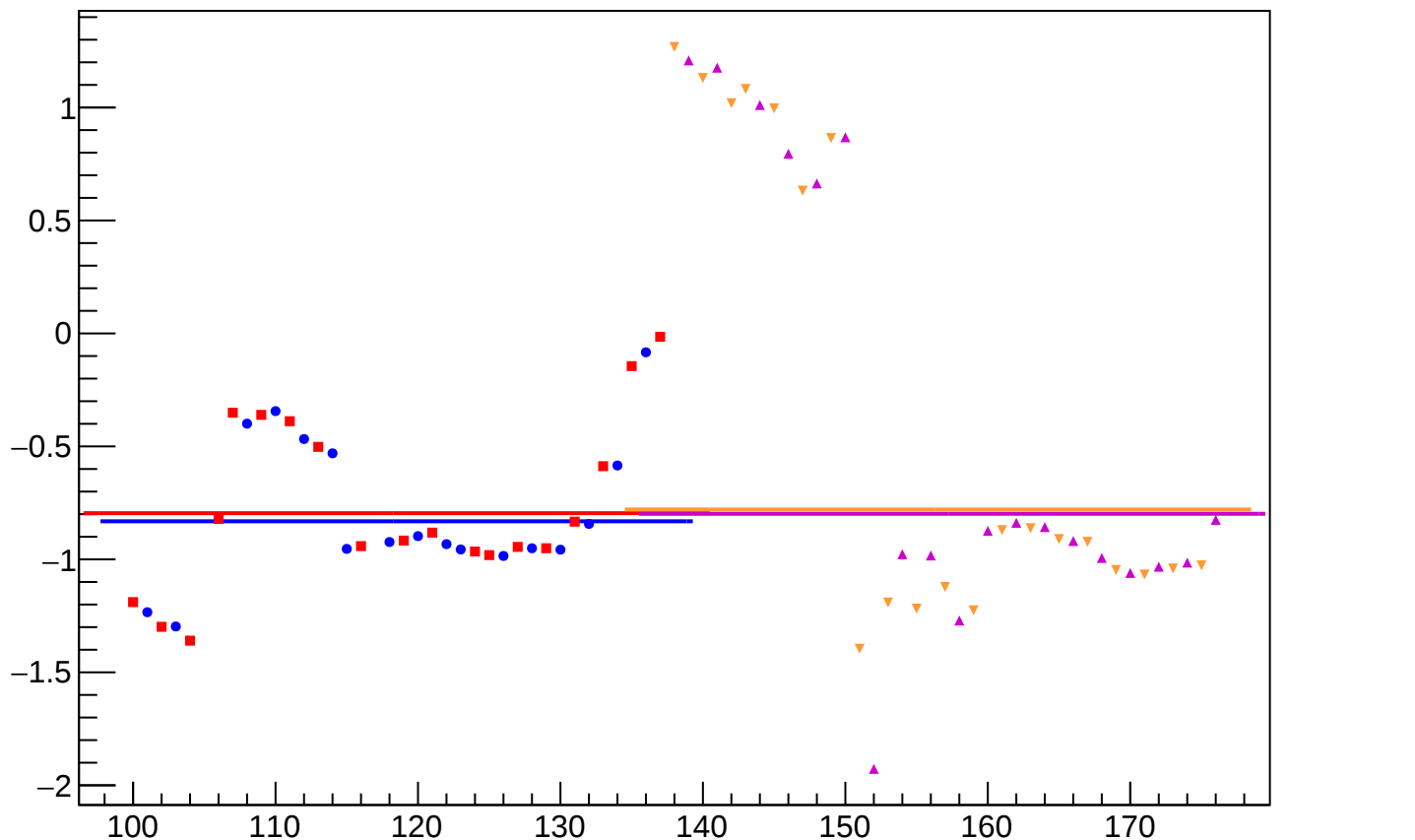
Left In: 0.009+/-0.000 χ^2/NDF : 309272.0/18

+ sign 0.008+/-0.000 χ^2/NDF : 991998.1/36

All: 0.008+/-0.000 χ^2/NDF : 2016695.9/74

- sign 0.008+/-0.000 χ^2/NDF : 1024568.4/37

yield_bpm0i01X_mean vs Slug



Right In: -0.831 ± 0.000 χ^2/NDF : 6692170860.9/16

Left Out: -0.779 ± 0.000 χ^2/NDF : 118458736738.2/19

Right Out: -0.796 ± 0.000 χ^2/NDF : 7821744046.6/18

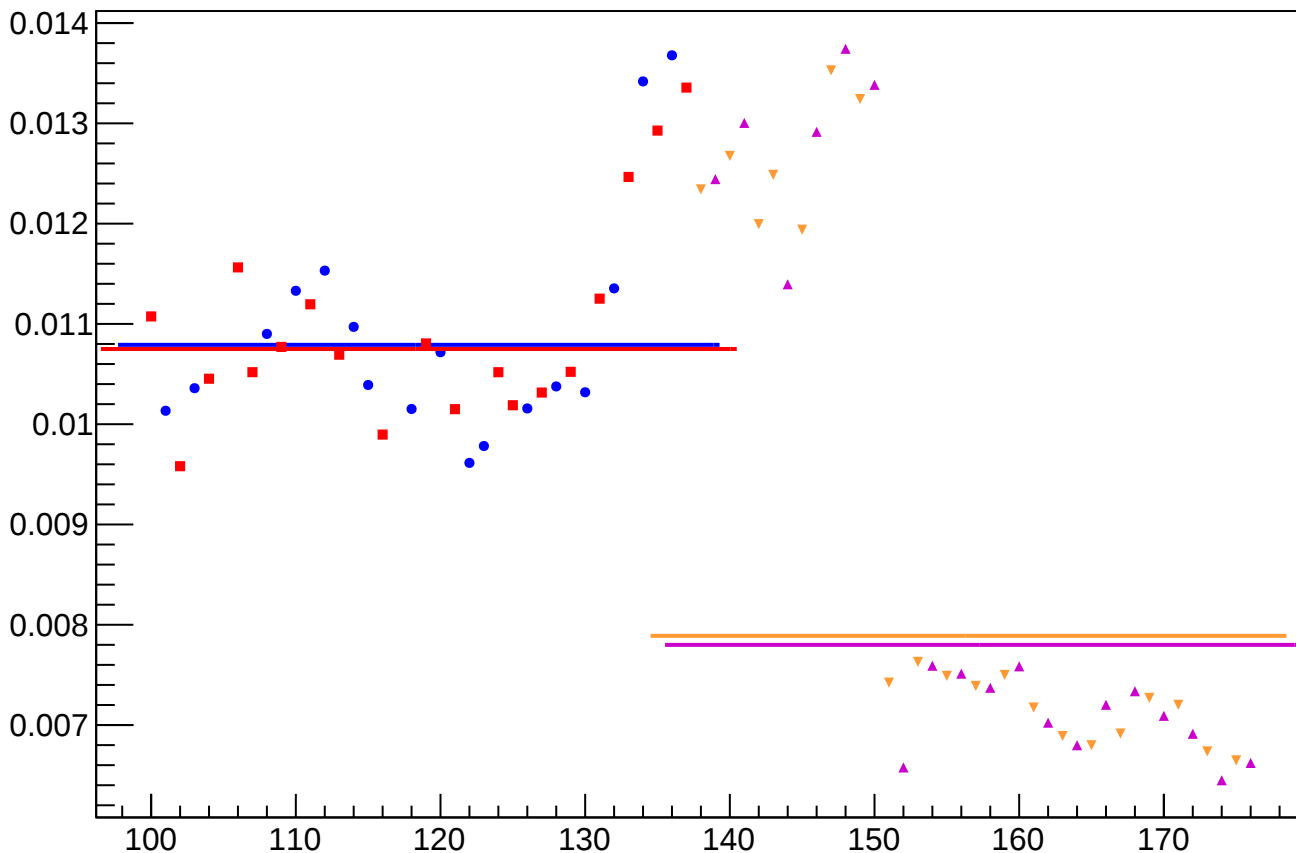
Left In: -0.798 ± 0.000 χ^2/NDF : 123371260470.0/18

+ sign -0.790 ± 0.000 χ^2/NDF : 125274411414.7/36

All: -0.794 ± 0.000 χ^2/NDF : 256476779249.0

- sign -0.798 ± 0.000 χ^2/NDF : 131193363047.8/37

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 : 1634571.0/19

Right Out: 0.011+/-0.000 χ^2/NDF : 90220.8/18

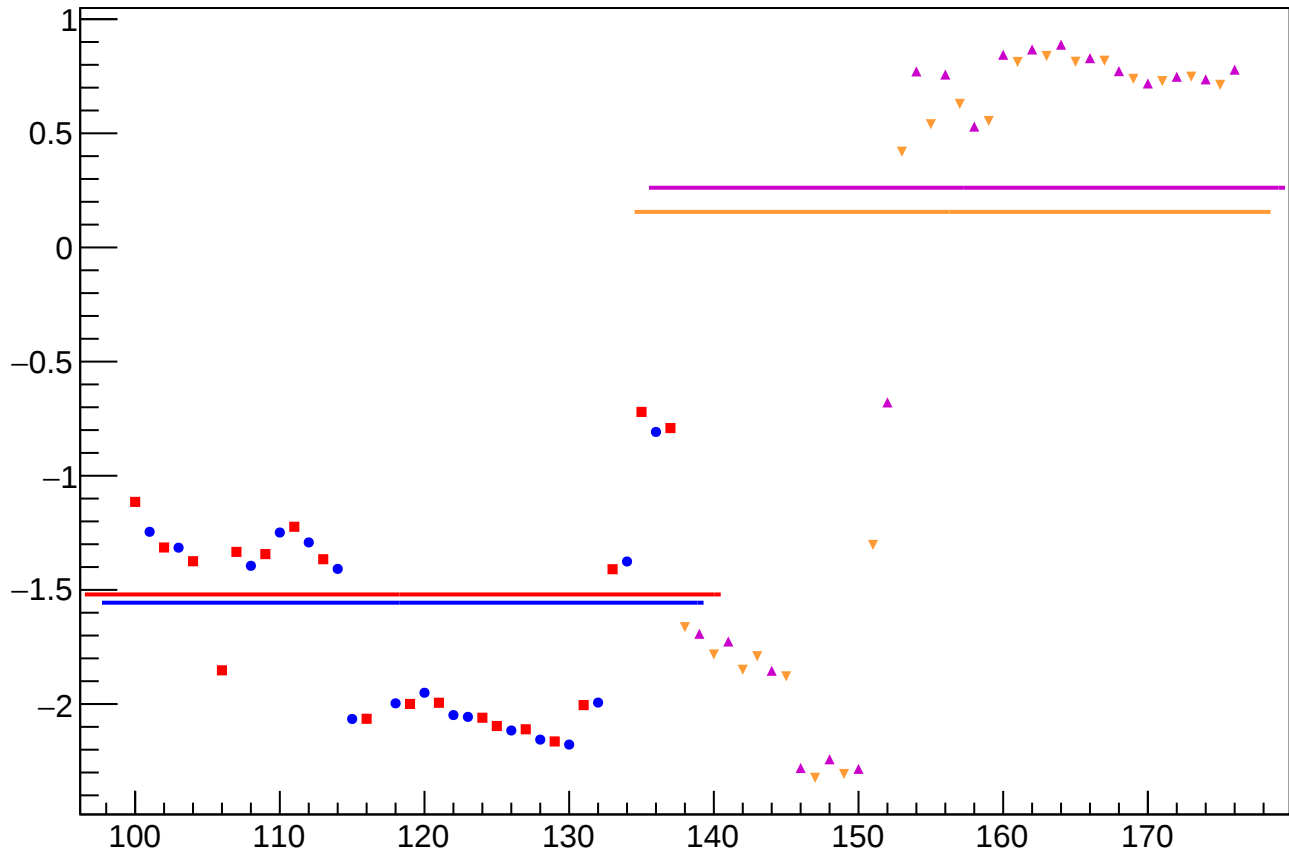
Left In: 0.008+/-0.000 χ^2/NDF : 1722361.9/18

+ sign 0.008+/-0.000 χ^2/NDF : 2518656.0/36

All: 0.008+/-0.000 χ^2/NDF : 5151094.6/74

- sign 0.008+/-0.000 χ^2/NDF : 2631684.9/37

yield_bpm0i01Y_mean vs Slug



Right In: -1.556+/-0.000 χ^2/NDF : 154972763568.8/16

Left Out: 0.156+/-0.000 χ^2/NDF : 2365299031551.6/19

Right Out: -1.520+/-0.000 χ^2/NDF : 138464991806.4/18

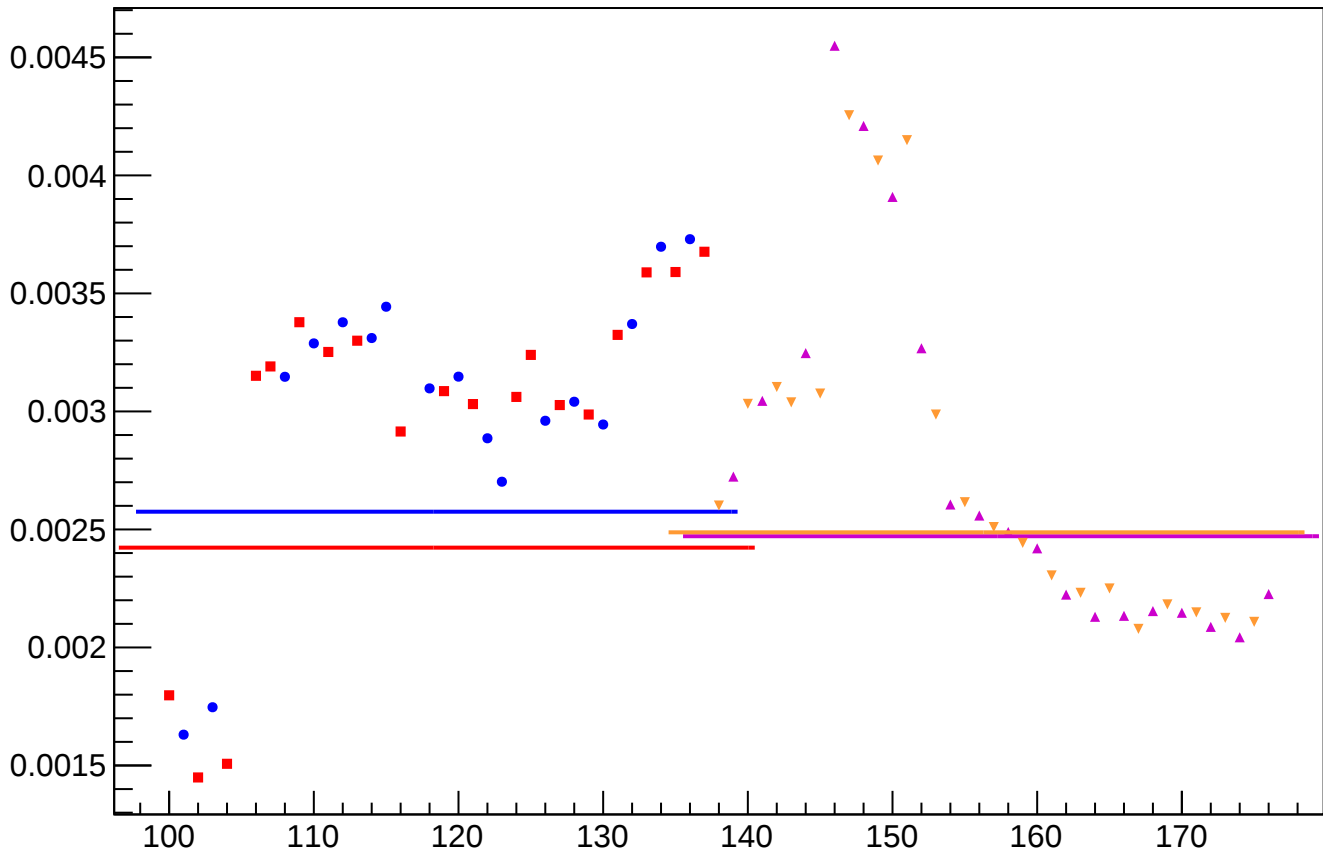
Left In: 0.262+/-0.000 χ^2/NDF : 2180654256051.5/18

+ sign -0.338+/-0.000 χ^2/NDF : 4300618070334.9/3

All: -0.321+/-0.000 χ^2/NDF : 8712431594058

- sign -0.305+/-0.000 χ^2/NDF : 4410205313903.3/3

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 1013833.9/16

Left Out: 0.002+/-0.000 χ^2/NDF :1043862.8/19

Right Out: 0.002+/-0.000 χ^2/NDF : 1490134.1/18

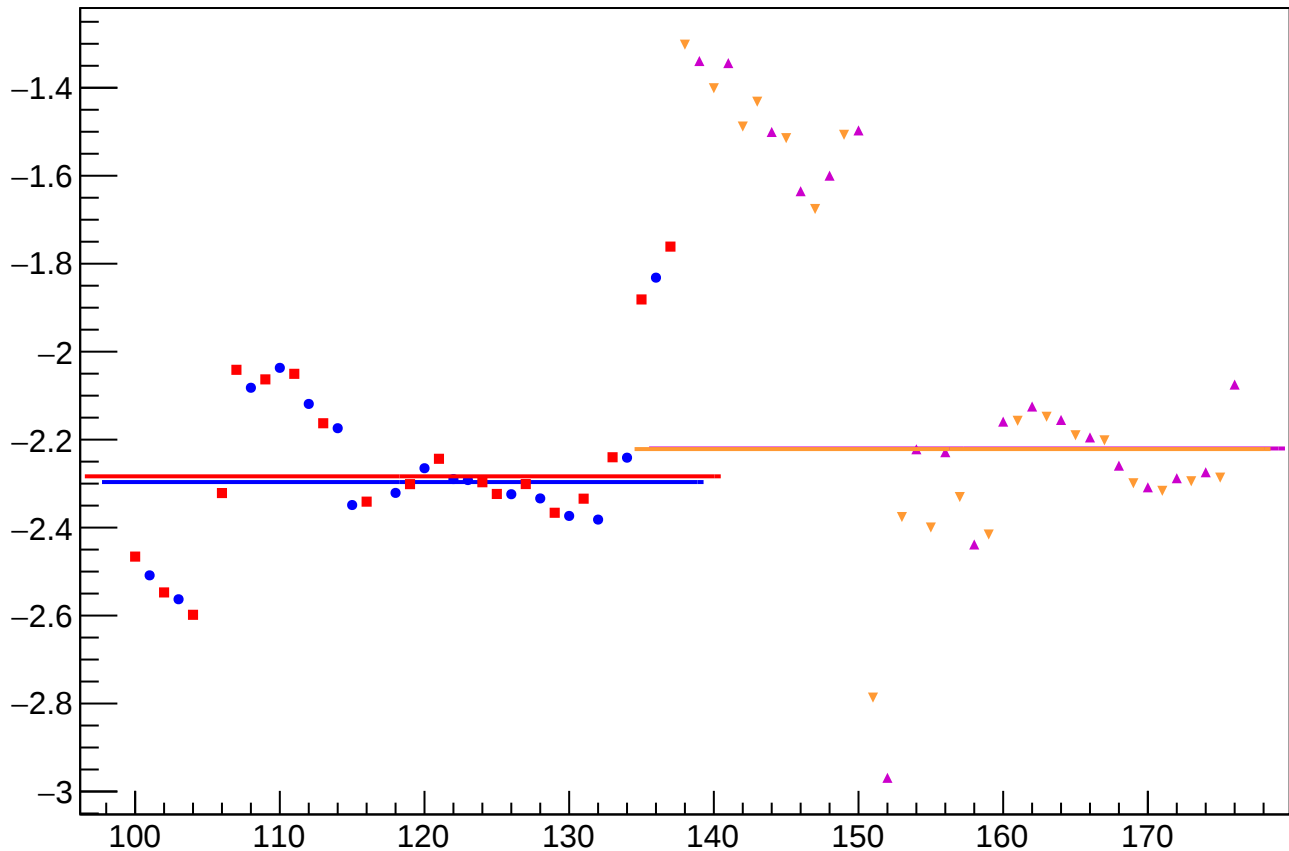
Left In: 0.002+/-0.000 χ^2/NDF :1131474.8/18

+ sign 0.003+/-0.000 χ^2/NDF : 2066970.5/36

All: 0.002+/-0.000 χ^2/NDF : 4701435.5/74

- sign 0.002+/-0.000 χ^2/NDF : 2624692.5/37

yield_bpm0i01aX_mean vs Slug



Right In: -2.296+/-0.000 χ^2/NDF : 5782980938.4/16

Left Out: -2.221+/-0.000 χ^2/NDF : 52576717150.2/19

Right Out: -2.283+/-0.000 χ^2/NDF : 6548716896.9/18

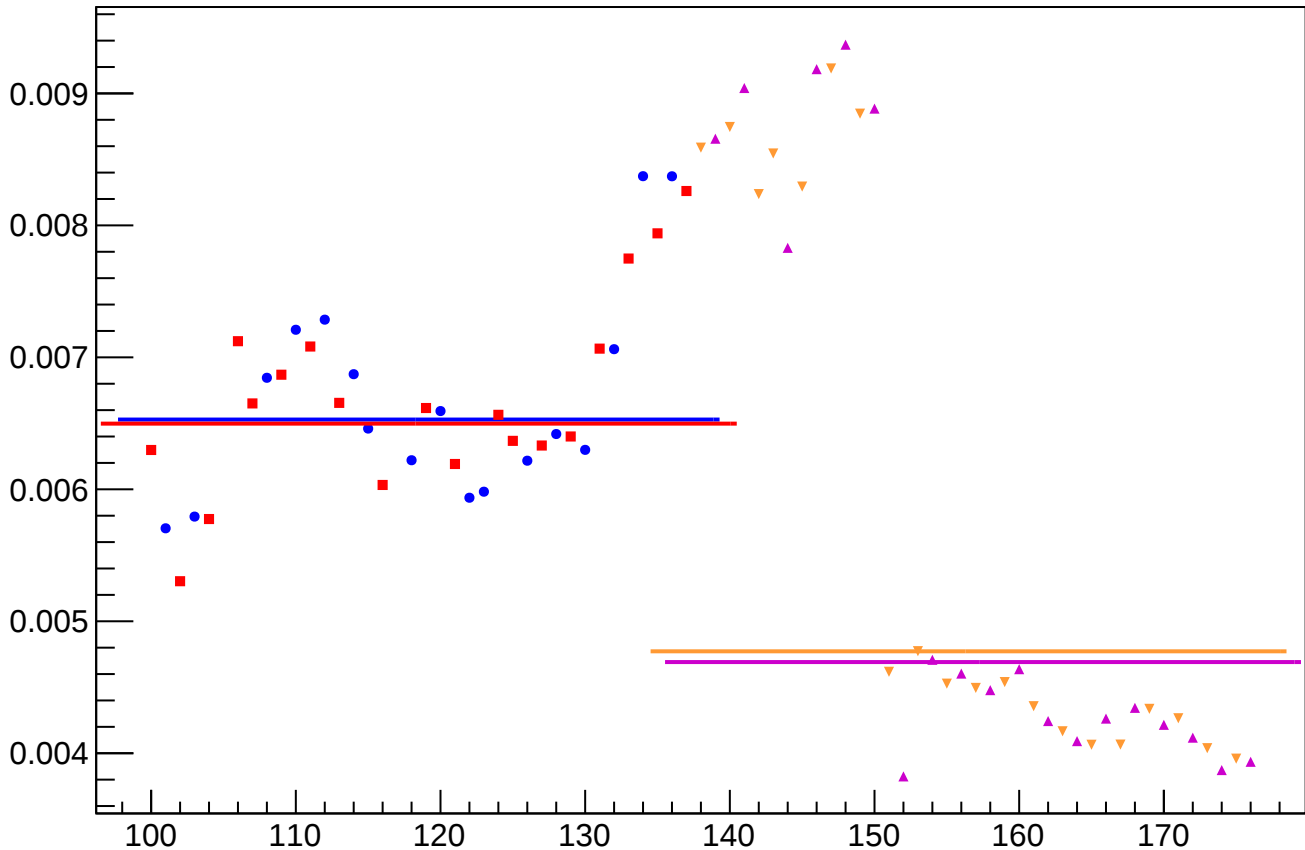
Left In: -2.220+/-0.000 χ^2/NDF : 67997292636.7/18

+ sign -2.237+/-0.000 χ^2/NDF : 59037907052.7/36

All: -2.235+/-0.000 χ^2/NDF : 134094422768.9

- sign -2.234+/-0.000 χ^2/NDF : 75052696755.7/37

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 : 2219532.2/19

Right Out: 0.006+/-0.000 χ^2/NDF : 164144.2/18

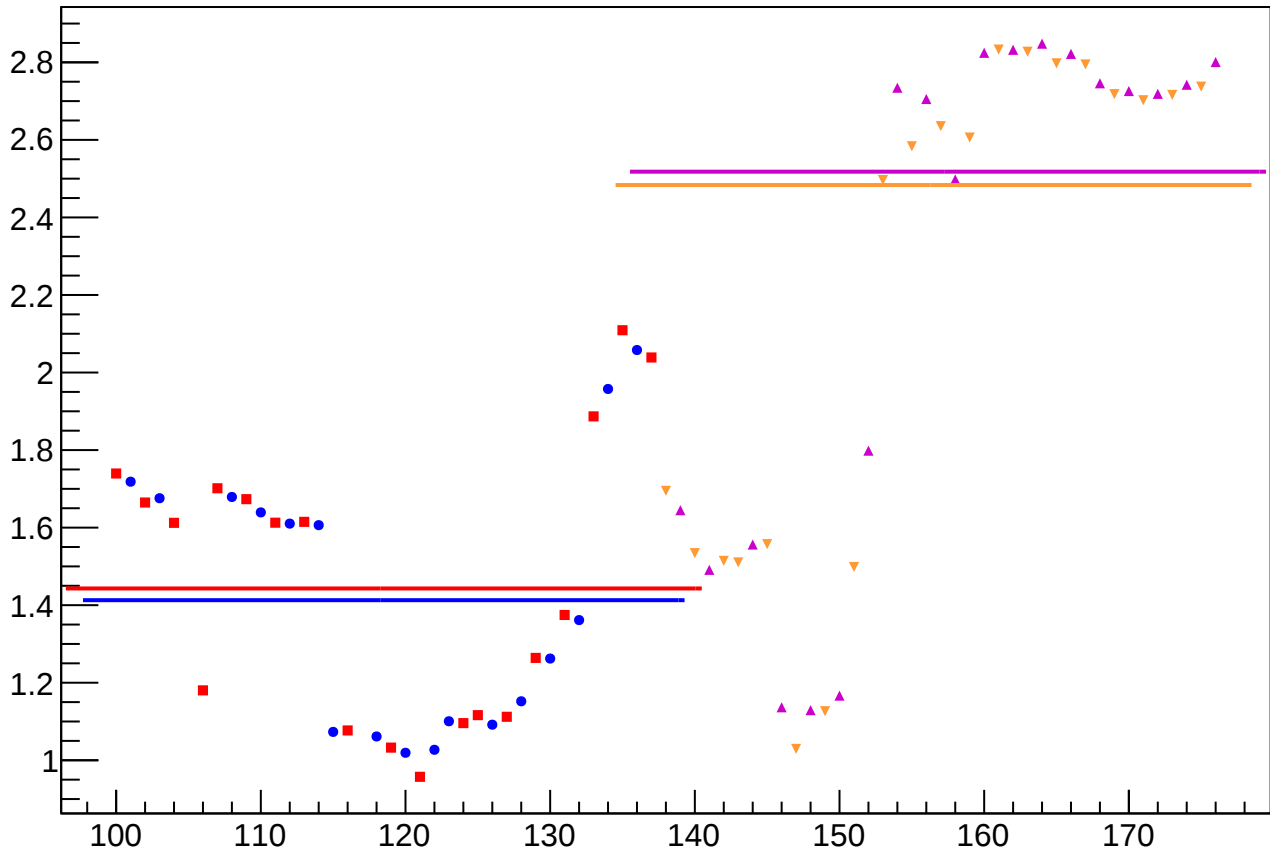
Left In: 0.005+/-0.000 χ^2/NDF : 2330732.1/18

+ sign 0.005+/-0.000 χ^2/NDF : 3139843.0/36

All: 0.005+/-0.000 χ^2/NDF : 6461646.4/74

- sign 0.005+/-0.000 χ^2/NDF : 3319530.3/37

yield_bpm0i01aY_mean vs Slug



Right In: 1.413+/-0.000 χ^2/NDF : 172560306608.0/16

Left Out: 2.484+/-0.000 χ^2/NDF : 245735790976.4/19

Right Out: 1.443+/-0.000 χ^2/NDF : 173290449342.2/18

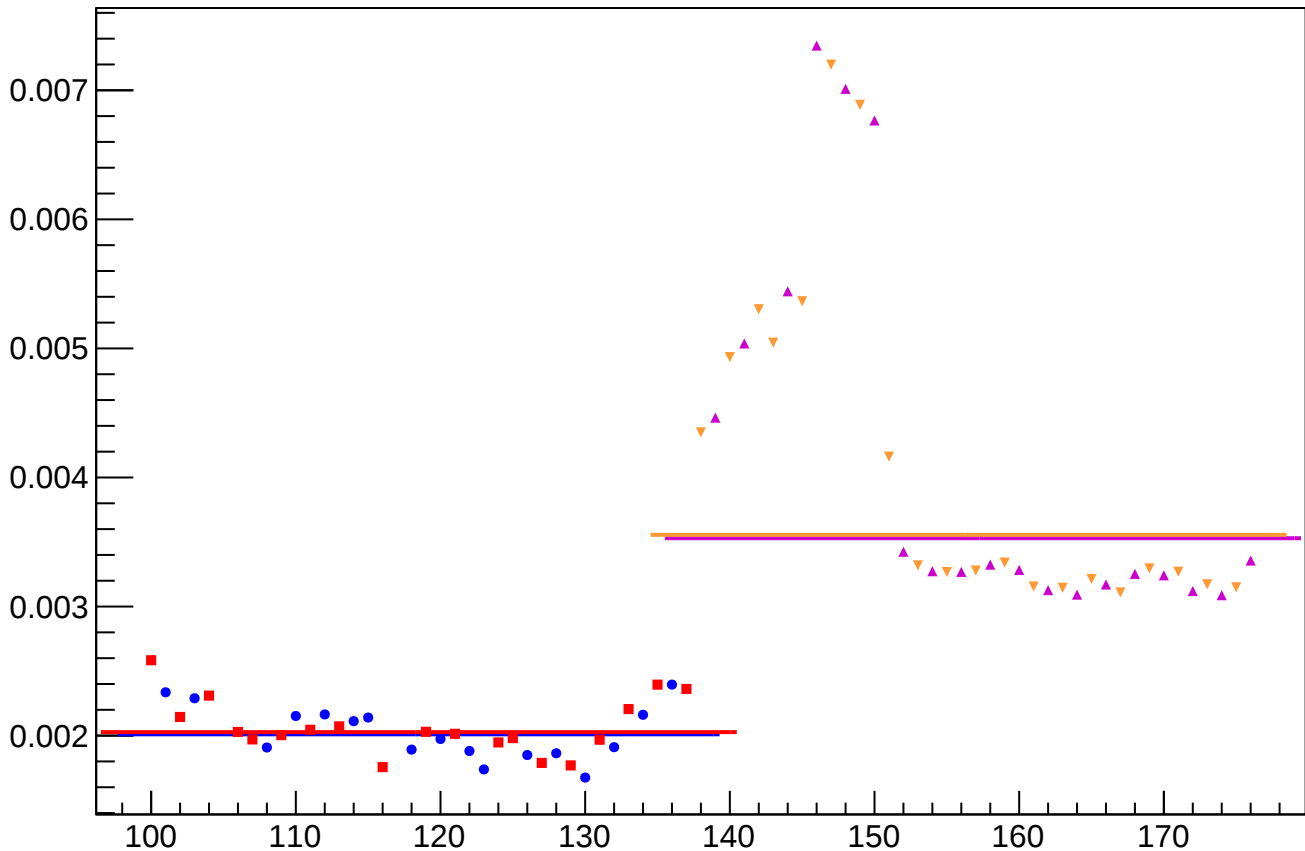
Left In: 2.518+/-0.000 χ^2/NDF : 245374074738.6/18

+ sign 1.852+/-0.000 χ^2/NDF : 1135865421819.4/36

All: 1.861+/-0.000 χ^2/NDF : 2280131921458.0

- sign 1.871+/-0.000 χ^2/NDF : 1143806331504.3/37

yield_bpm0i01aY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 152530.4/16

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1350189.7/19

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 103926.2/18

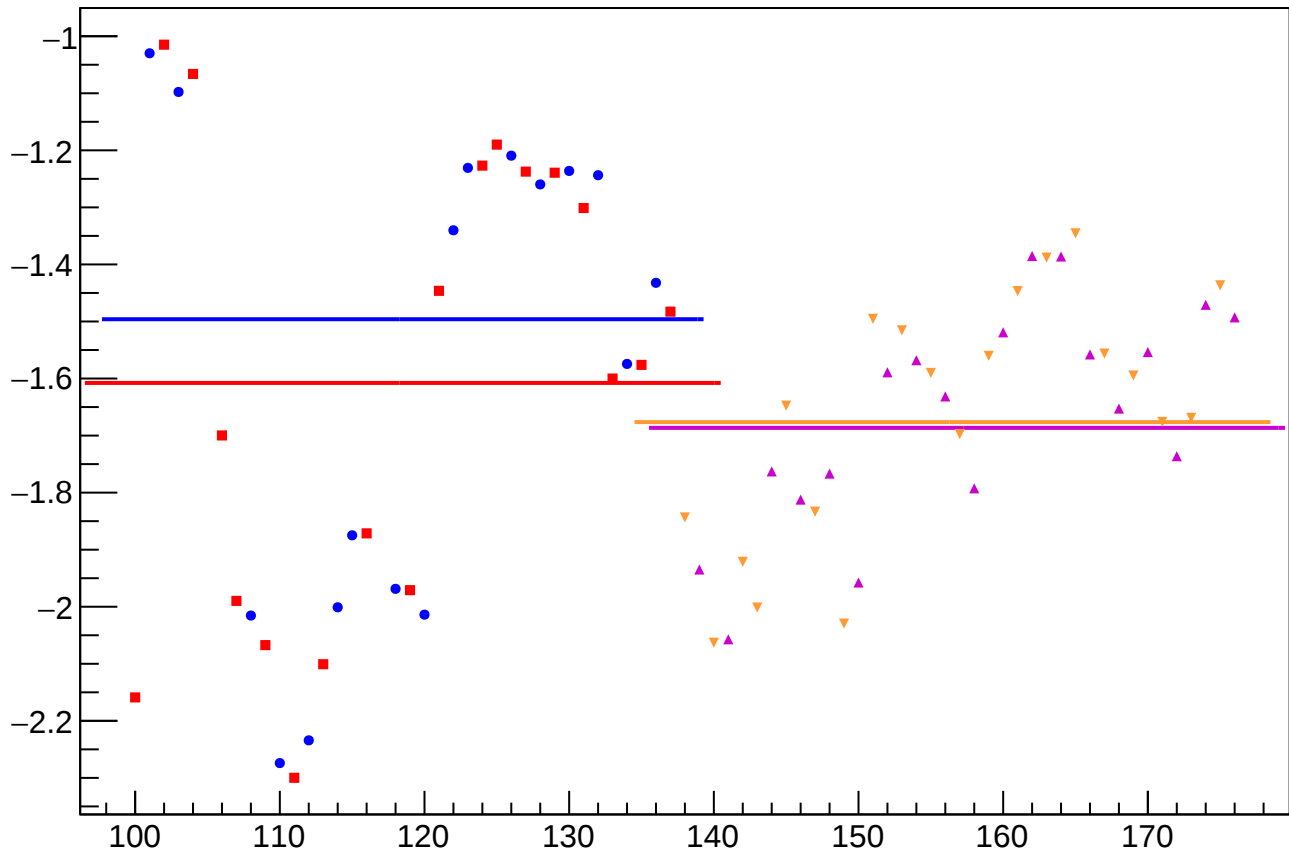
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1535829.5/18

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 4492901.8/36

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 8966490.1/74

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 4472634.4/37

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22525130000.3/16

Left Out: -1.676+/-0.000 χ^2/NDF : 16900357640.1/19

Right Out: -1.608+/-0.000 χ^2/NDF : 27836461057.4/18

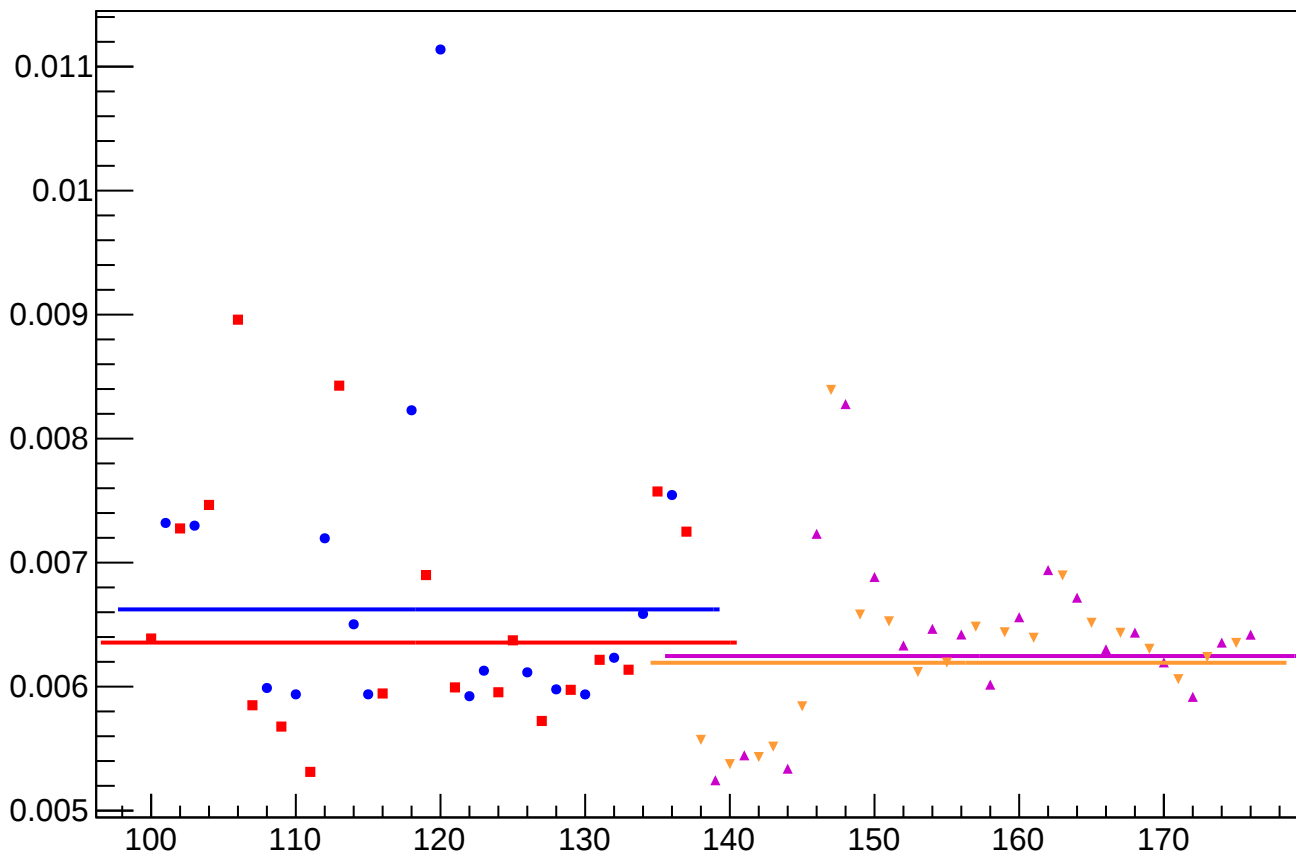
Left In: -1.686+/-0.000 χ^2/NDF : 12908597309.2/18

+ sign -1.627+/-0.000 χ^2/NDF : 42709444064.9/36

All: -1.645+/-0.000 χ^2/NDF : 84449834157.8/37

- sign -1.662+/-0.000 χ^2/NDF : 41437254597.2/37

yield_bpm0l01X_rms vs Slug



Right In: 0.007 ± 0.000 χ^2/NDF : 232630.4/16

Left Out: 0.006 ± 0.000 χ^2/NDF : 228286.6/19

Right Out: 0.006 ± 0.000 χ^2/NDF : 227861.1/18

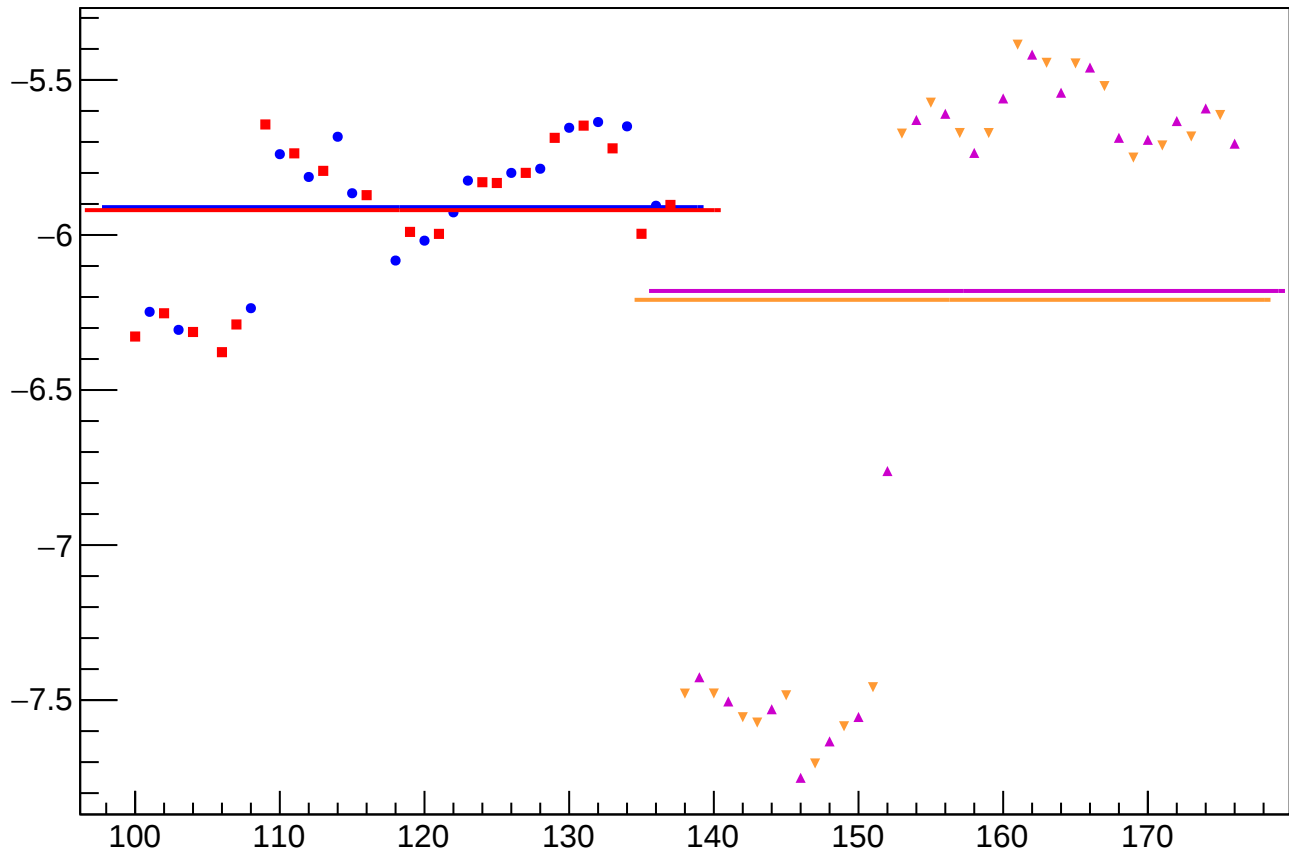
Left In: 0.006 ± 0.000 χ^2/NDF : 294164.9/18

+ sign 0.006 ± 0.000 χ^2/NDF : 498316.3/36

All: 0.006 ± 0.000 χ^2/NDF : 1023398.9/74

- sign 0.006 ± 0.000 χ^2/NDF : 524657.6/37

yield_bpm0l01Y_mean vs Slug



Right In: -5.910+/-0.000 χ^2/NDF : 11154434512.7/16

Left Out: -6.209+/-0.000 χ^2/NDF : 176670646822.2/19

Right Out: -5.920+/-0.000 χ^2/NDF : 12785618366.8/18

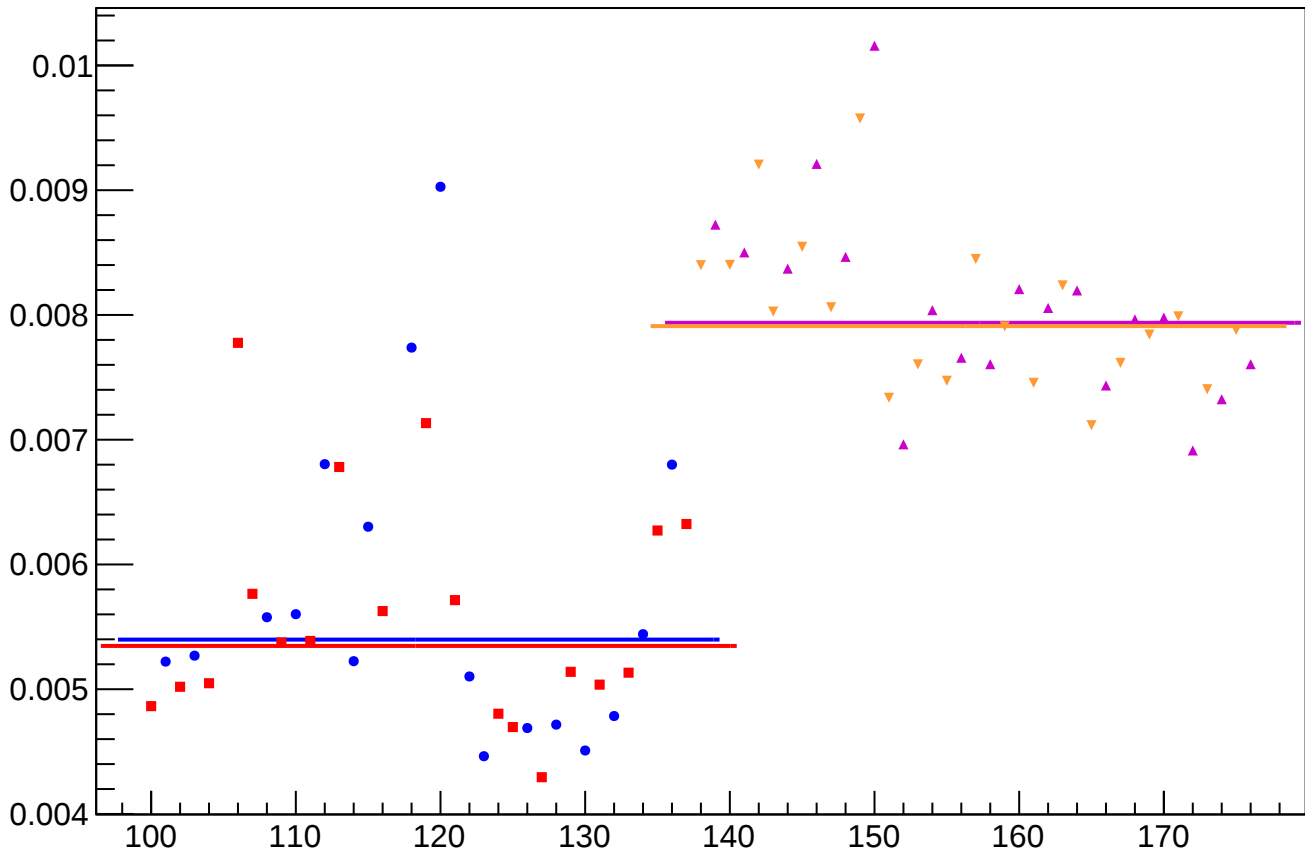
Left In: -6.181+/-0.000 χ^2/NDF : 153132455789.9/18

+ sign -6.064+/-0.000 χ^2/NDF : 197136045599.0/36

All: -6.055+/-0.000 χ^2/NDF : 370473882096.8

- sign -6.047+/-0.000 χ^2/NDF : 173275120883.0/37

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 :123149.1/19

Right Out: 0.005+/-0.000 χ^2/NDF : 249377.5/18

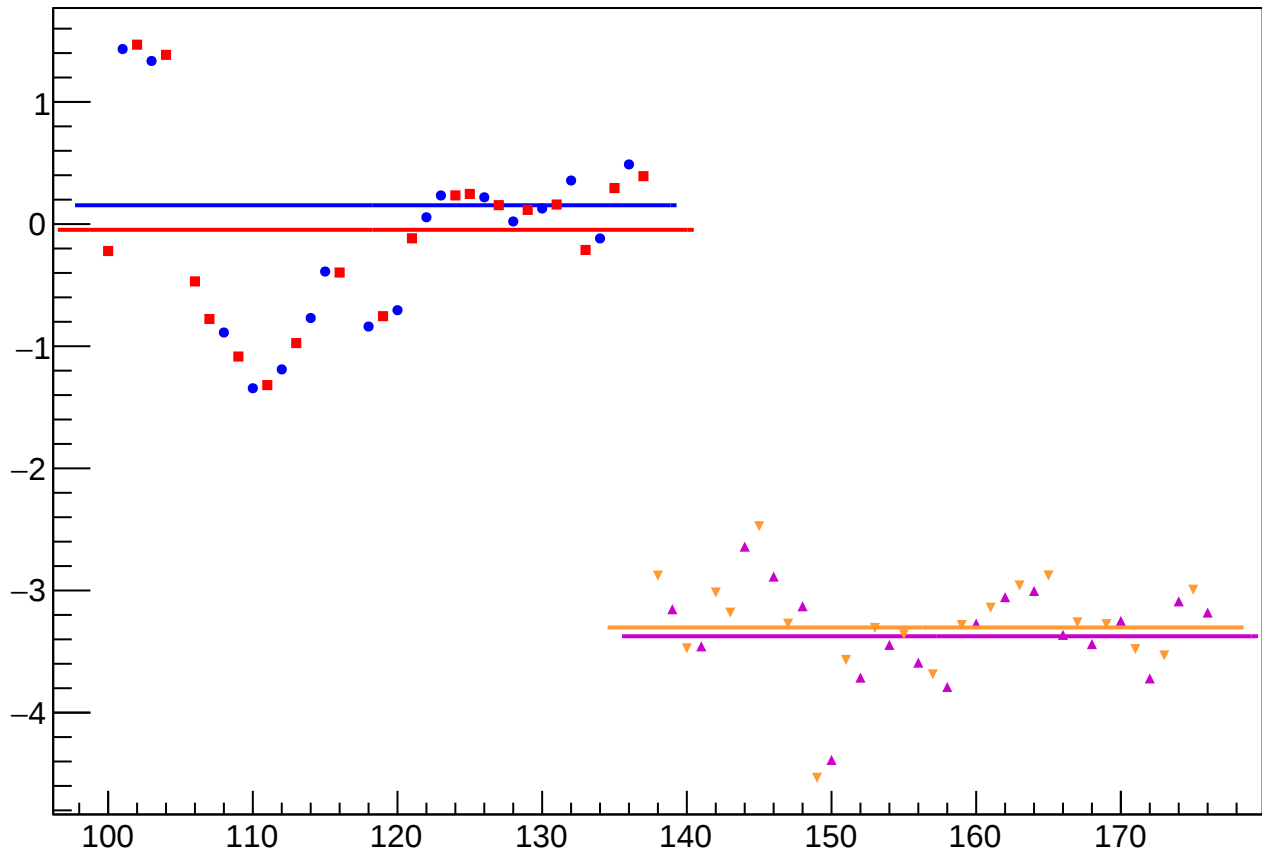
Left In: 0.008+/-0.000 χ^2/NDF :204033.9/18

+ sign 0.007+/-0.000 χ^2/NDF : 1810403.7/36

All: 0.007+/-0.000 χ^2/NDF : 3719735.3/74

- sign 0.007+/-0.000 χ^2/NDF : 1906436.1/37

yield_bpm0l02X_mean vs Slug



Right In: 0.154+/-0.000 χ^2/NDF : 16988256953.8/16

Left Out: -3.303+/-0.000 χ^2/NDF : 8557978219.7/19

Right Out: -0.047+/-0.000 χ^2/NDF : 21211430471.1/18

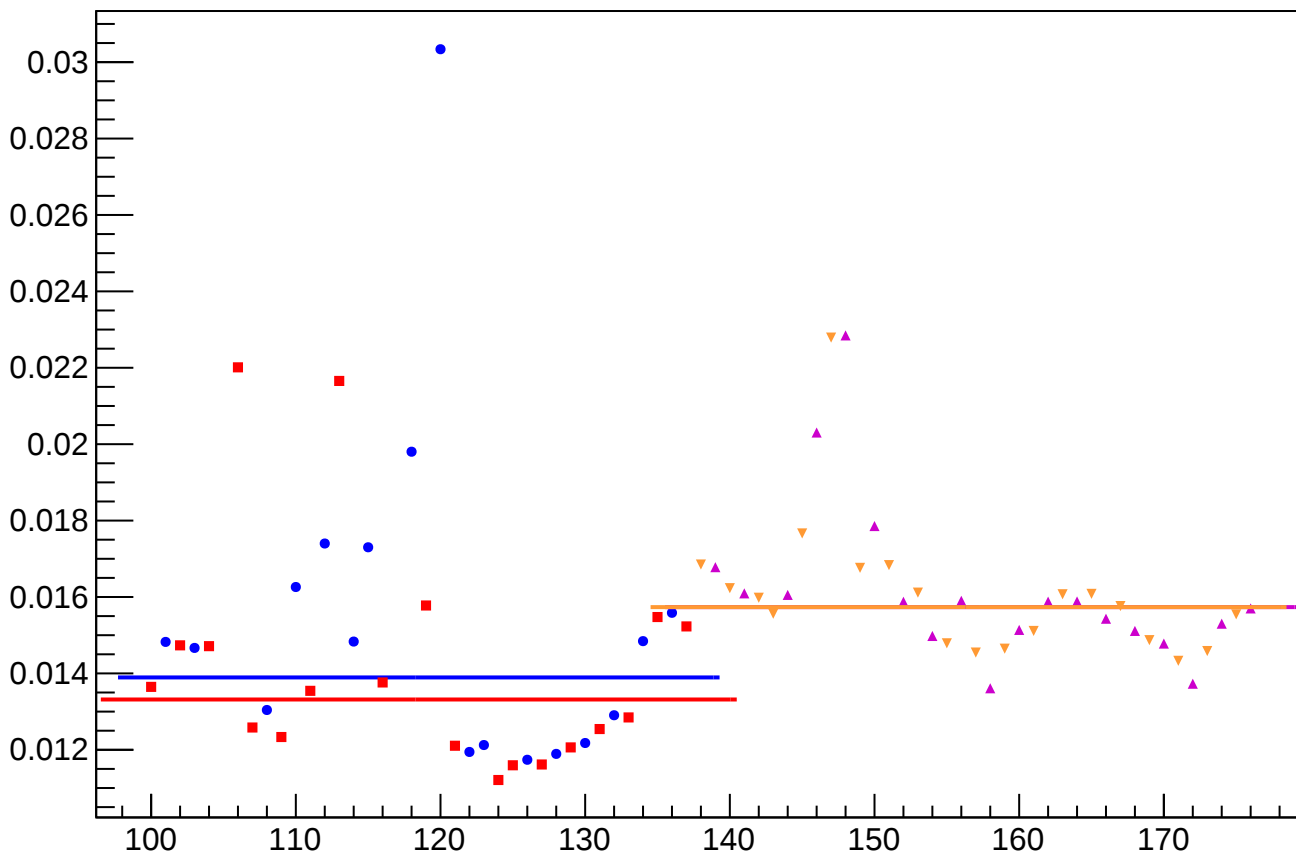
Left In: -3.375+/-0.000 χ^2/NDF : 7732899273.8/18

+ sign -2.107+/-0.000 χ^2/NDF : 265256458513.6/36

All: -2.087+/-0.000 χ^2/NDF : 539290469468.2

- sign -2.068+/-0.000 χ^2/NDF : 273966690712.0/37

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:231670.8/19

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 291358.0/18

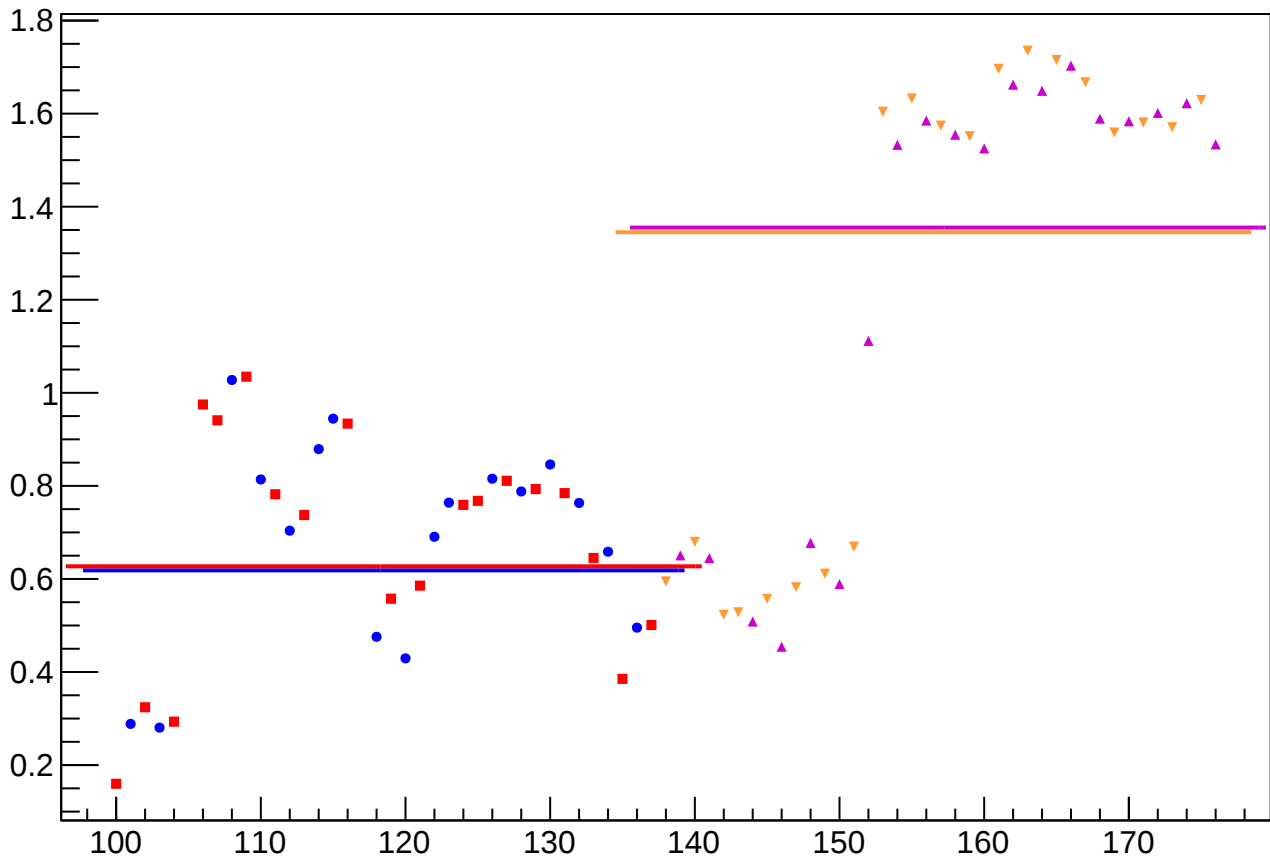
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:328015.0/18

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 768135.8/36

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 1655086.0/74

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 878105.0/37

yield_bpm0l02Y_mean vs Slug



Right In: 0.619 $\pm$ 0.000 χ^2 /NDF: 5416939288.1/16

Left Out: 1.345 $\pm$ 0.000 χ^2 /NDF: 72004675203.6/19

Right Out: 0.627 $\pm$ 0.000 χ^2 /NDF: 6337935219.4/18

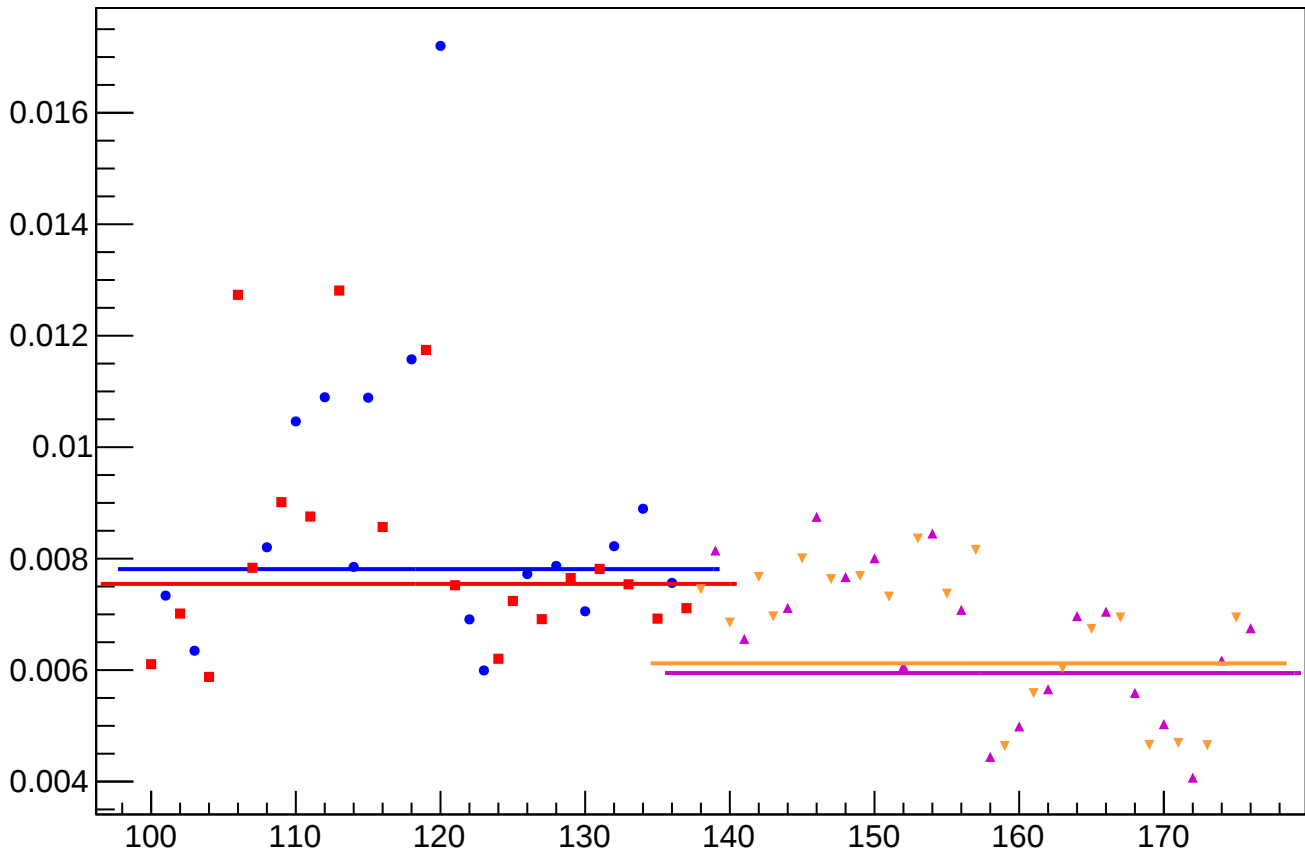
Left In: 1.355 $\pm$ 0.000 χ^2 /NDF: 62424517666.1/18

+ sign 1.192 $\pm$ 0.000 χ^2 /NDF: 117148175686.4/36

All: 1.192 $\pm$ 0.000 χ^2 /NDF: 230543963155.3

- sign 1.191 $\pm$ 0.000 χ^2 /NDF: 113395638220.3/37

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 :1242480.4/19

Right Out: 0.008+/-0.000 χ^2/NDF : 441823.4/18

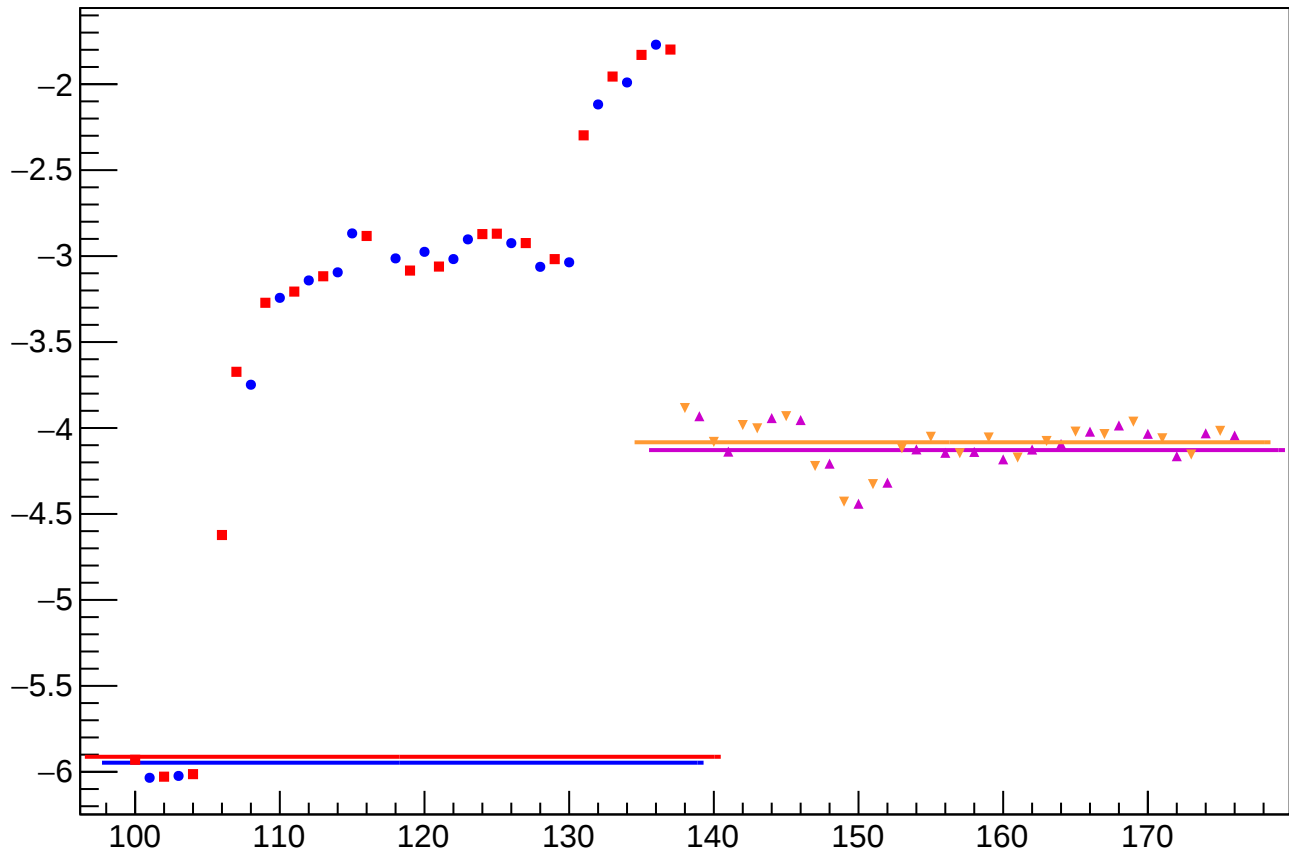
Left In: 0.006+/-0.000 χ^2/NDF :1317791.1/18

+ sign 0.006+/-0.000 χ^2/NDF : 2139641.8/36

All: 0.006+/-0.000 χ^2/NDF : 4344024.6/74

- sign 0.006+/-0.000 χ^2/NDF : 2190889.8/37

yield_bpm0l03X_mean vs Slug



Right In: -5.947 ± 0.000 χ^2/NDF : 13165963559.5/16

Left Out: -4.083 ± 0.000 χ^2/NDF : 34945262.1/19

Right Out: -5.912 ± 0.000 χ^2/NDF : 14619971495.0/18

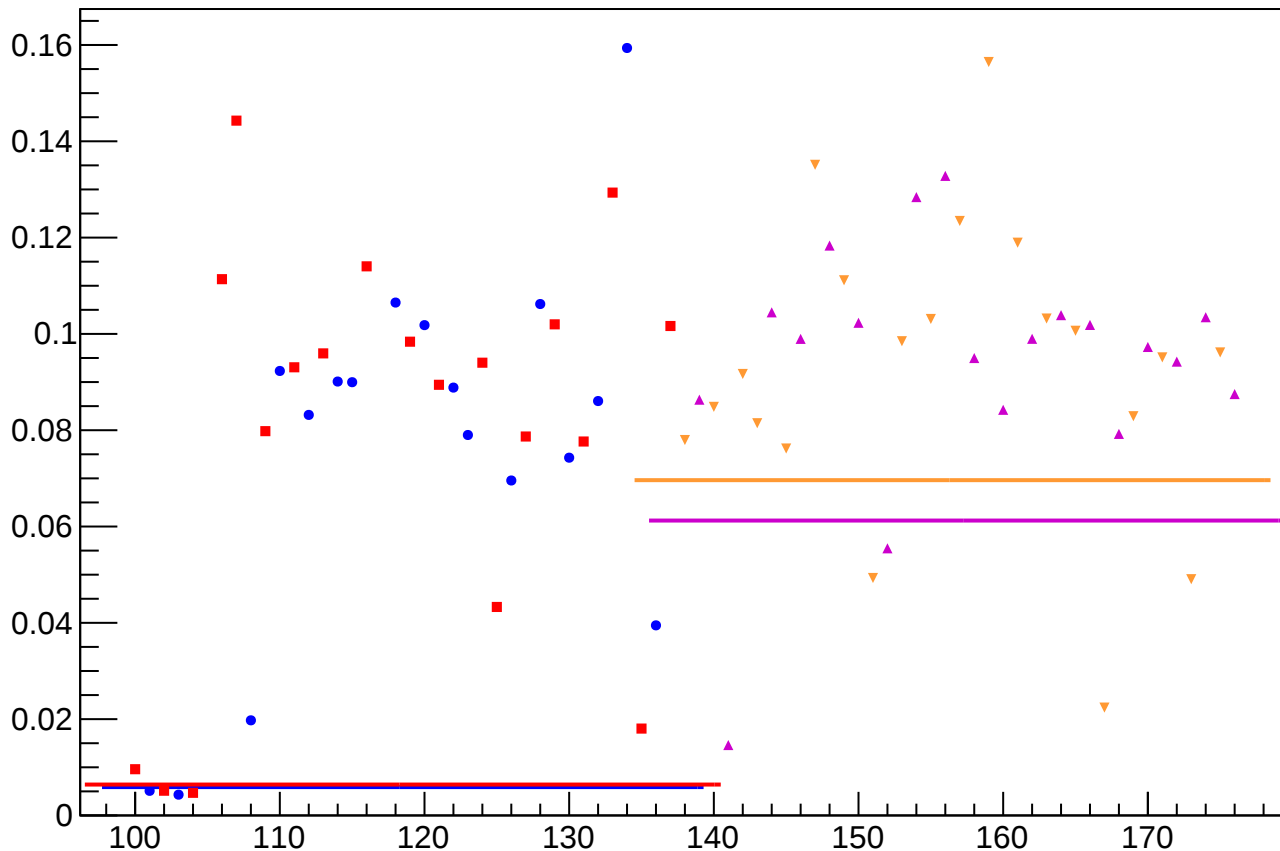
Left In: -4.129 ± 0.000 χ^2/NDF : 26410445.0/18

+ sign -5.869 ± 0.000 χ^2/NDF : 20109468526.2/36

All: -5.844 ± 0.000 χ^2/NDF : 41474822179.4/37

- sign -5.815 ± 0.000 χ^2/NDF : 21300590911.3/37

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:4831663.7/19

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 8498586.9/18

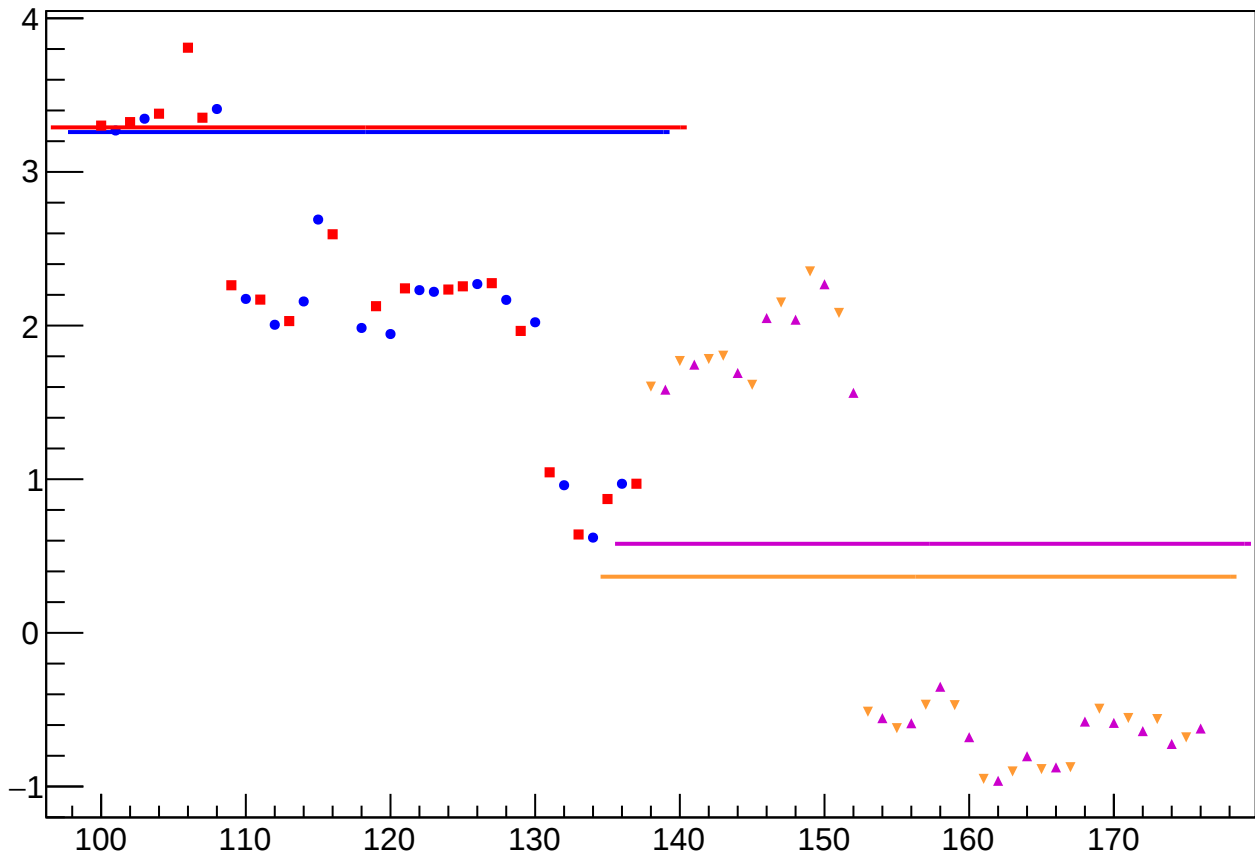
Left In: 0.061 $\pm$ 0.000 χ^2 /NDF:7274800.1/18

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 28923401.8/36

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 57299232.9/74

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 28343395.3/37

yield_bpm0l03Y_mean vs Slug



Right In: 3.259+/-0.000 χ^2/NDF : 2921931976.8/16

Left Out: 0.366+/-0.000 χ^2/NDF : 2931966112.4/19

Right Out: 3.290+/-0.000 χ^2/NDF : 3262231575.5/18

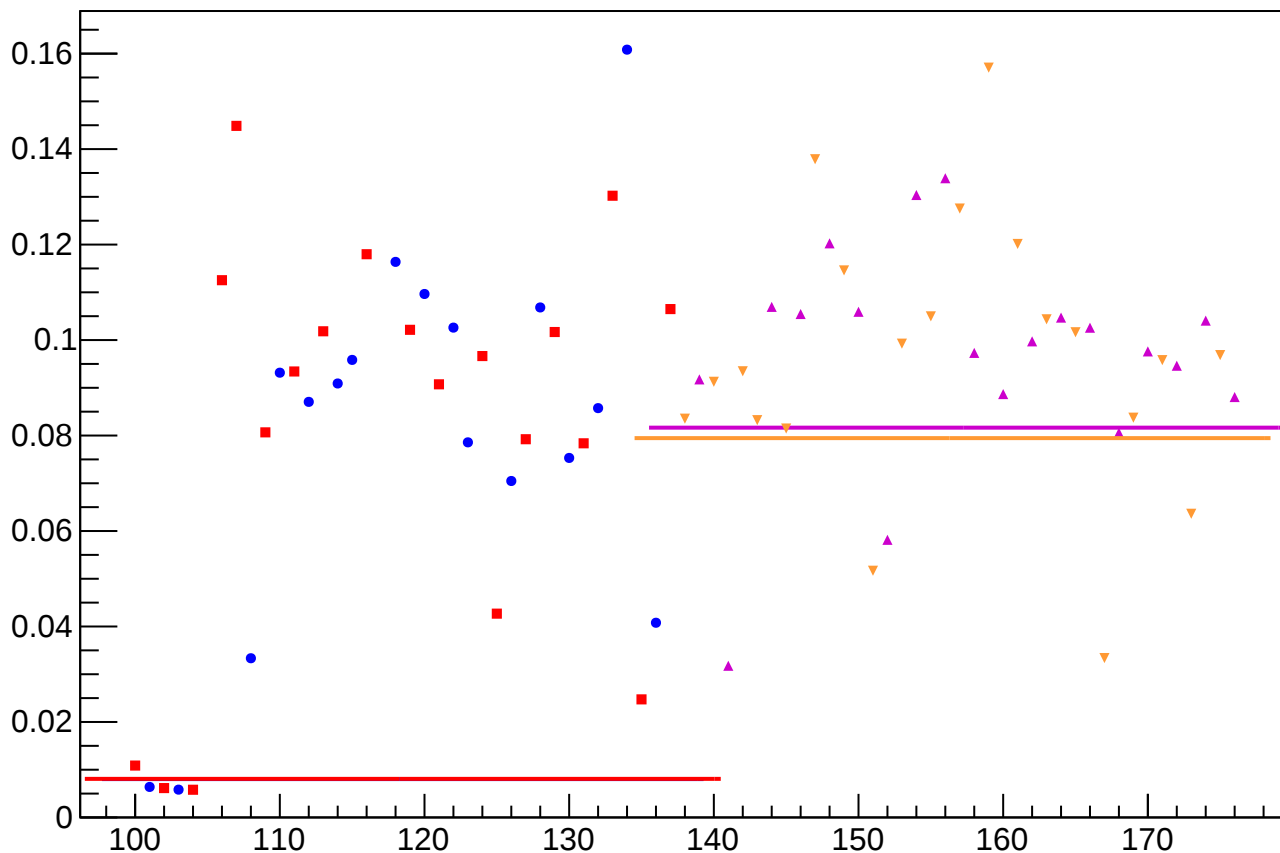
Left In: 0.580+/-0.000 χ^2/NDF : 2402051300.6/18

+ sign 3.093+/-0.000 χ^2/NDF : 19741512407.7/36

All: 3.113+/-0.000 χ^2/NDF : 36506346034.0/7

- sign 3.136+/-0.000 χ^2/NDF : 16737792829.6/37

yield_bpm0l03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7742048.1/16

Left Out: 0.079 $\pm$ 0.000 χ^2 /NDF:3111917.2/19

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8309426.5/18

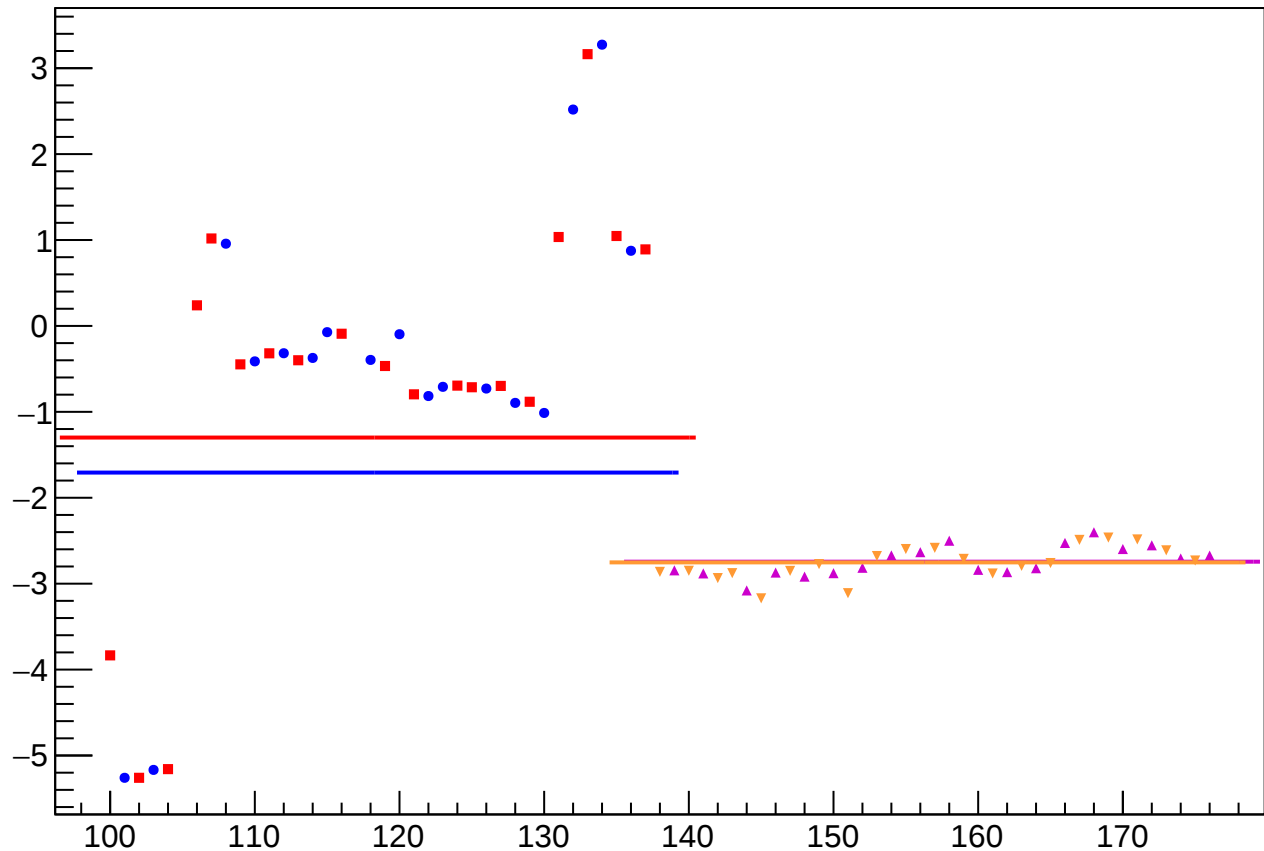
Left In: 0.082 $\pm$ 0.000 χ^2 /NDF:2908893.1/18

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 27771545.2/36

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 55307743.9/74

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 27535803.8/37

yield_bpm0l04X_mean vs Slug



Right In: -1.707+/-0.000 χ^2/NDF : 166125579390.4/16

Left Out: -2.752+/-0.000 χ^2/NDF : 8643912050.1/19

Right Out: -1.299+/-0.000 χ^2/NDF : 178036726841.2/18

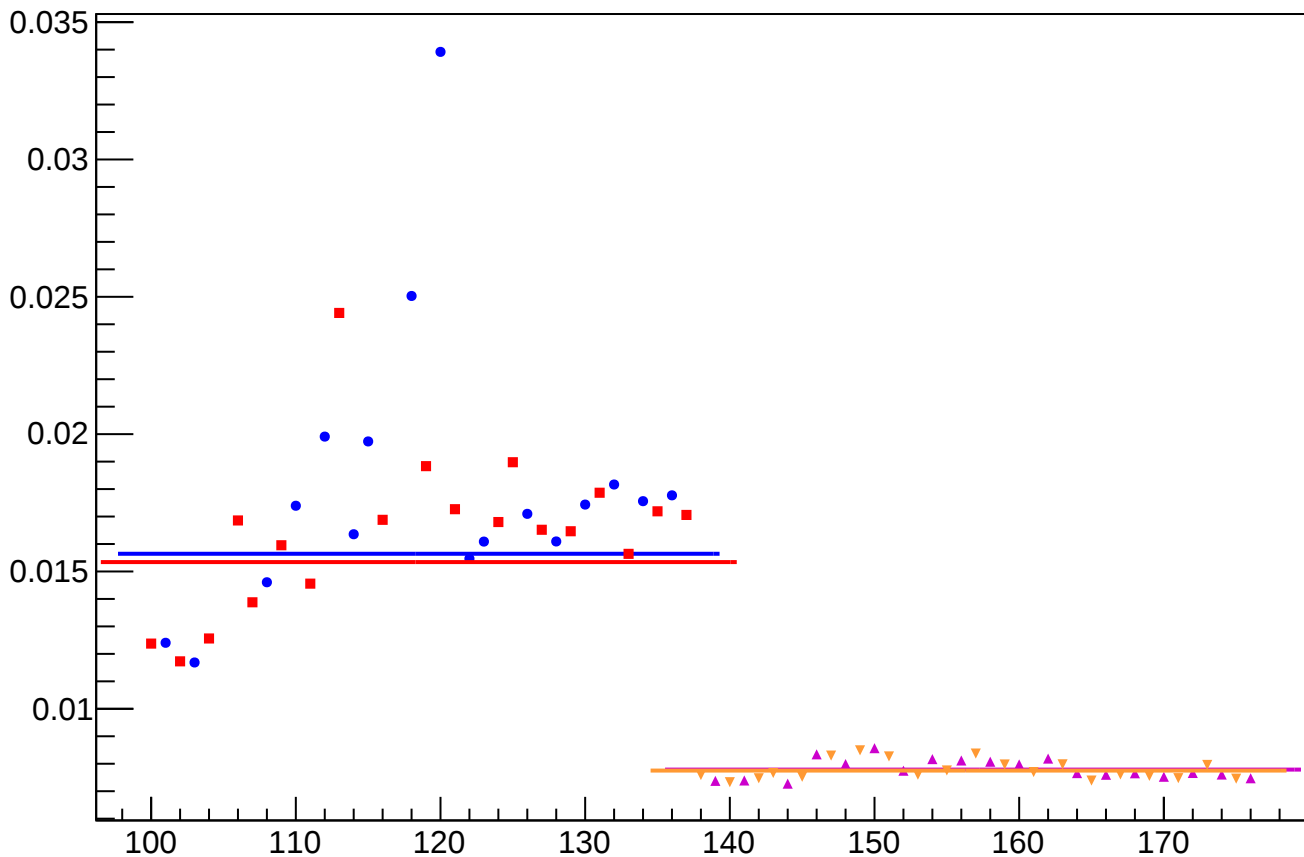
Left In: -2.744+/-0.000 χ^2/NDF : 7105655461.5/18

+ sign -2.661+/-0.000 χ^2/NDF : 197613751658.4/36

All: -2.629+/-0.000 χ^2/NDF : 432665067610.3

- sign -2.597+/-0.000 χ^2/NDF : 234518329093.0/37

yield_bpm0l04X_rms vs Slug



Right In: 0.016 $\pm$ 0.000 χ^2 /NDF: 578244.3/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 52882.8/19

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 353806.7/18

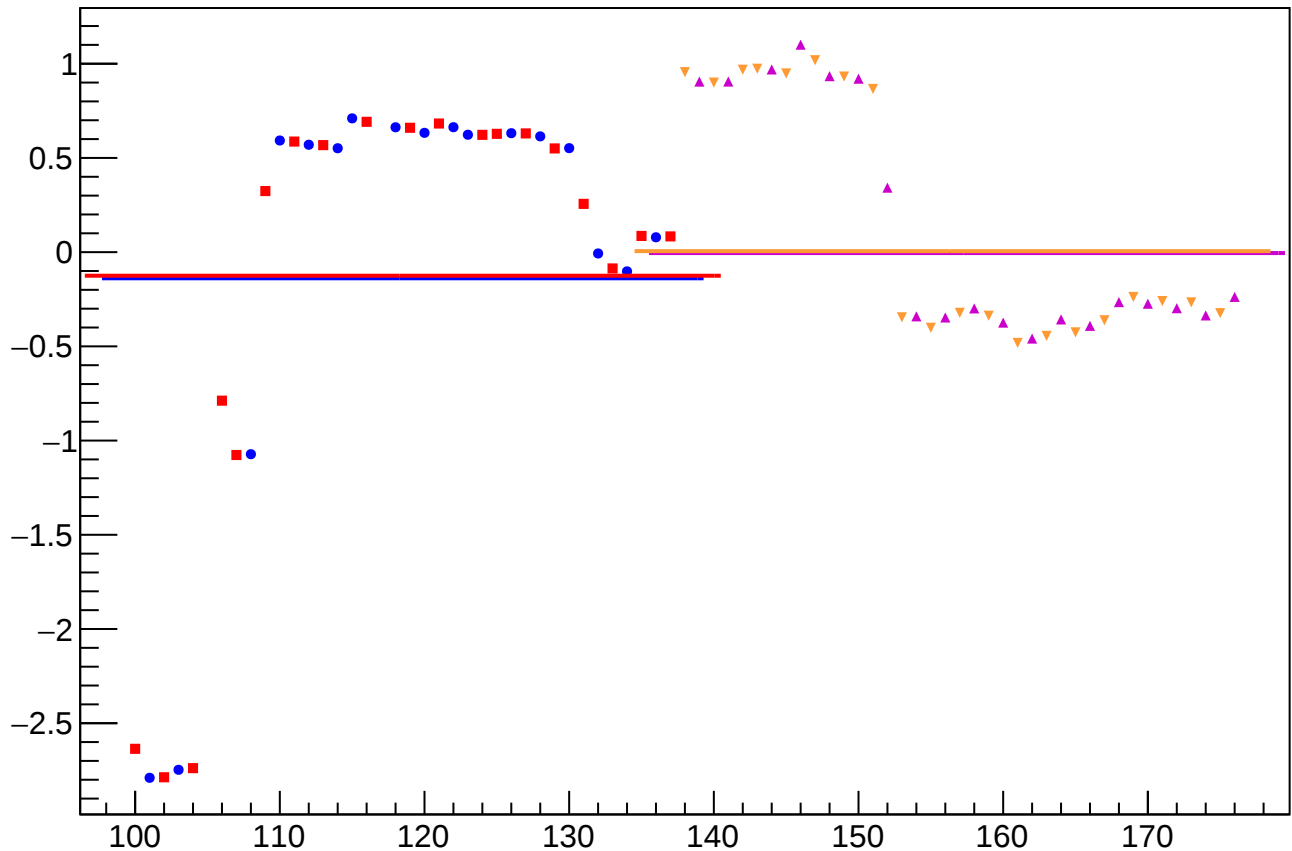
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 57924.9/18

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 3236114.9/36

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 6351738.0/74

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3112139.5/37

yield_bpm0l04Y_mean vs Slug



Right In: -0.139 ± 0.000 χ^2/NDF : 715049983856.2/16

Left Out: 0.005 ± 0.000 χ^2/NDF : 130923601449.9/19

Right Out: -0.125 ± 0.000 χ^2/NDF : 761496762534.7/18

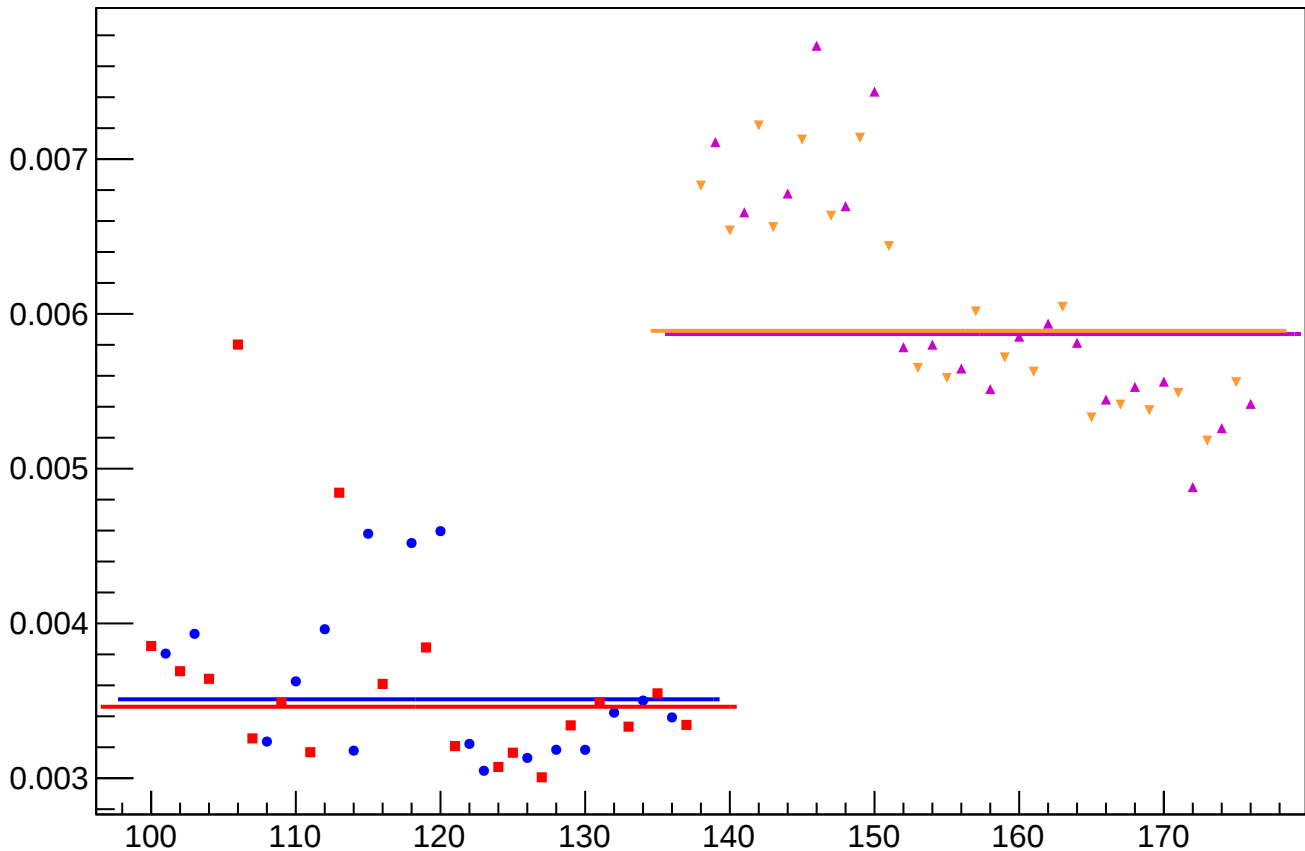
Left In: -0.005 ± 0.000 χ^2/NDF : 111792289335.8/18

+ sign -0.076 ± 0.000 χ^2/NDF : 850593964250.1/36

All: -0.076 ± 0.000 χ^2/NDF : 1727213967743

- sign -0.076 ± 0.000 χ^2/NDF : 876619911018.3/37

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 : 274970.3/19

Right Out: 0.003+/-0.000 χ^2/NDF : 215974.1/18

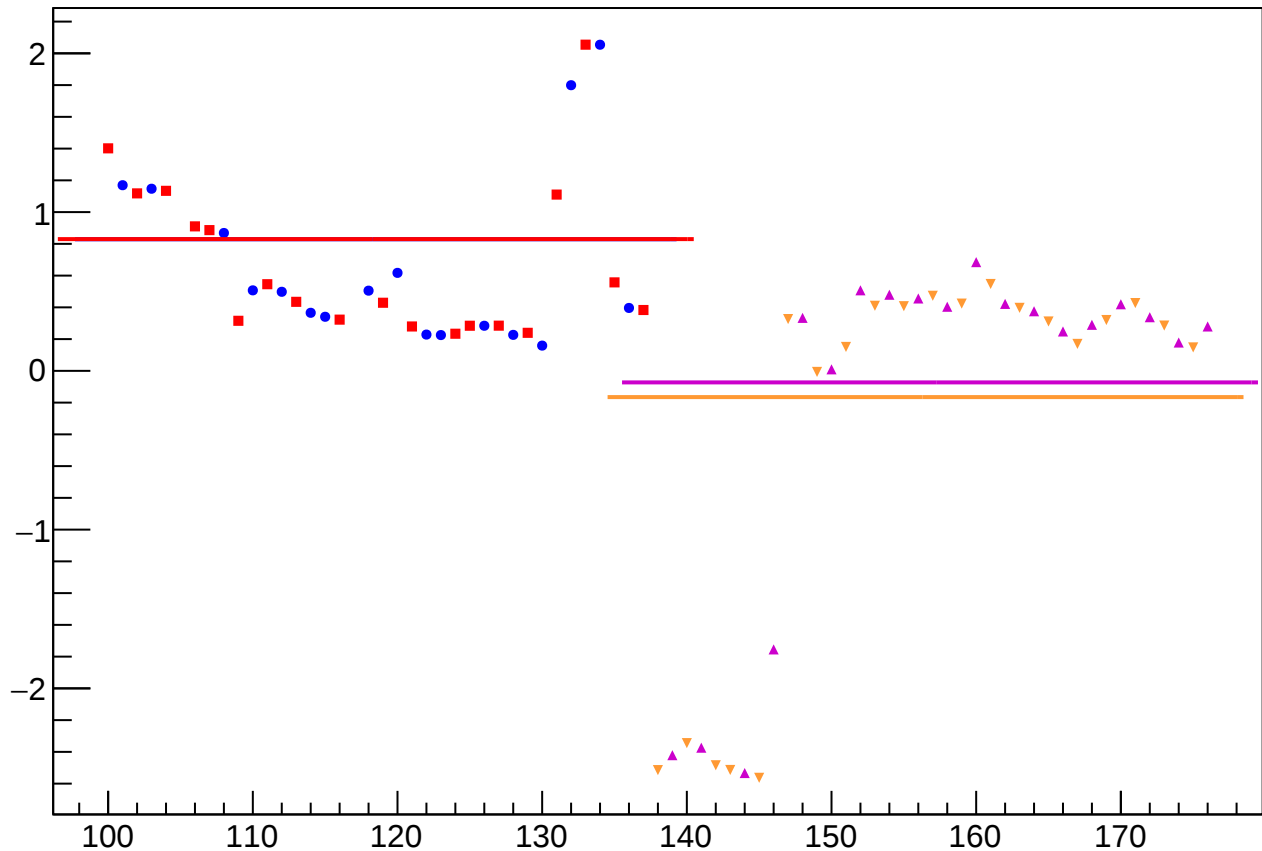
Left In: 0.006+/-0.000 χ^2/NDF : 362418.4/18

+ sign 0.005+/-0.000 χ^2/NDF : 2967880.4/36

All: 0.004+/-0.000 χ^2/NDF : 6224575.6/74

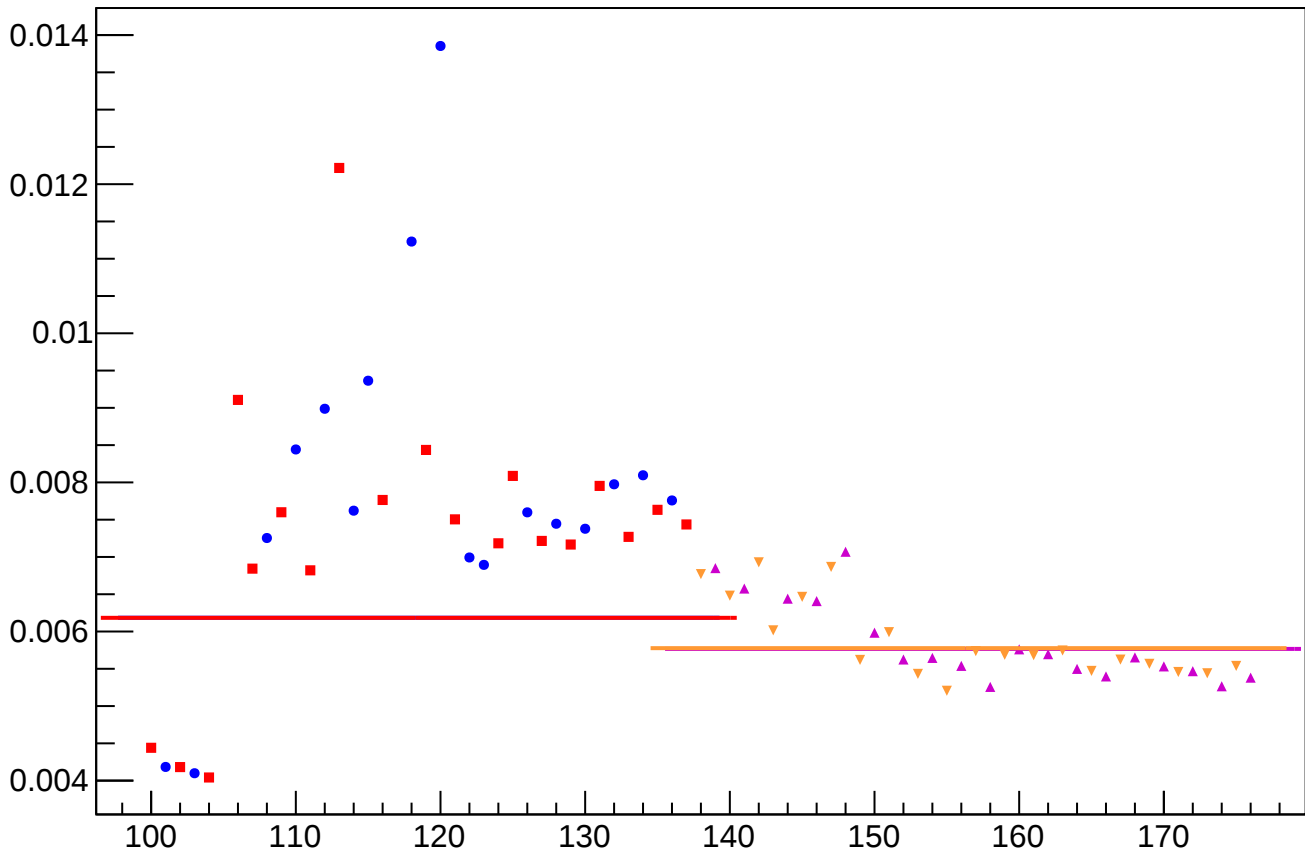
- sign 0.004+/-0.000 χ^2/NDF : 3248752.6/37

yield_bpm0l05X_mean vs Slug



Right In: 0.829+/-0.000	χ^2/NDF : 31718573821.2/16	+ sign 0.083+/-0.000	χ^2/NDF : 613002250582.6/36
Left Out: -0.165+/-0.000	χ^2/NDF : 478173585636.7/19	All: 0.127+/-0.000	χ^2/NDF : 1148532408632.6/37
Right Out: 0.830+/-0.000	χ^2/NDF : 33335665437.8/18	- sign 0.170+/-0.000	χ^2/NDF : 533397903633.5/37
Left In: -0.073+/-0.000	χ^2/NDF : 409575396998.5/18		

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 :169072.4/19

Right Out: 0.006+/-0.000 χ^2/NDF : 1026836.0/18

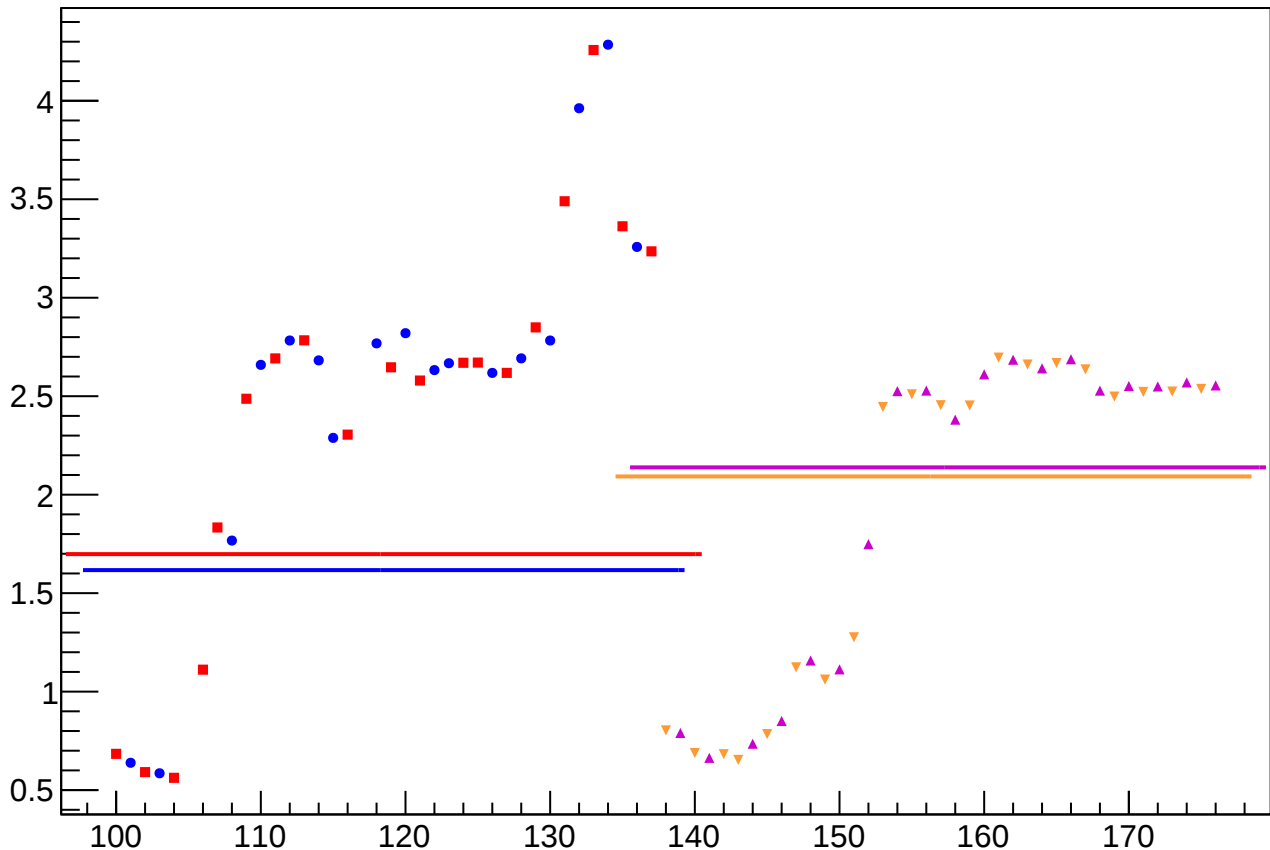
Left In: 0.006+/-0.000 χ^2/NDF :195427.7/18

+ sign 0.006+/-0.000 χ^2/NDF : 1432788.3/36

All: 0.006+/-0.000 χ^2/NDF : 2693660.5/74

- sign 0.006+/-0.000 χ^2/NDF : 1260872.2/37

yield_bpm0l05Y_mean vs Slug



Right In: 1.617+/-0.000 χ^2/NDF : 202886791000.7/16

Left Out: 2.093+/-0.000 χ^2/NDF : 272314011003.8/19

Right Out: 1.698+/-0.000 χ^2/NDF : 227408345801.7/18

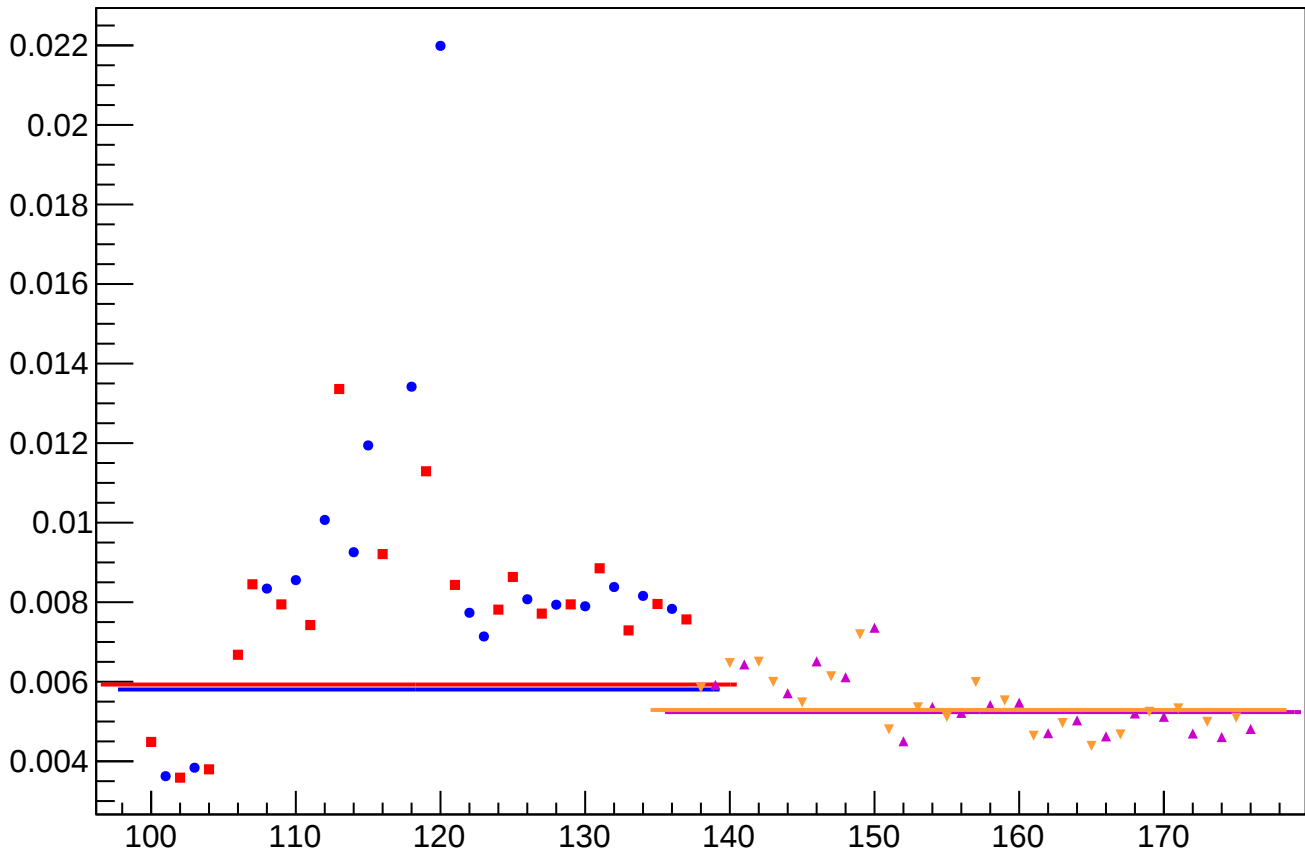
Left In: 2.139+/-0.000 χ^2/NDF : 241855052044.2/18

+ sign 1.983+/-0.000 χ^2/NDF : 500122237674.2/36

All: 2.008+/-0.000 χ^2/NDF : 992636273816.3

- sign 2.033+/-0.000 χ^2/NDF : 491727799098.6/37

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 : 370033.0/19

Right Out: 0.006+/-0.000 χ^2/NDF : 1685563.6/18

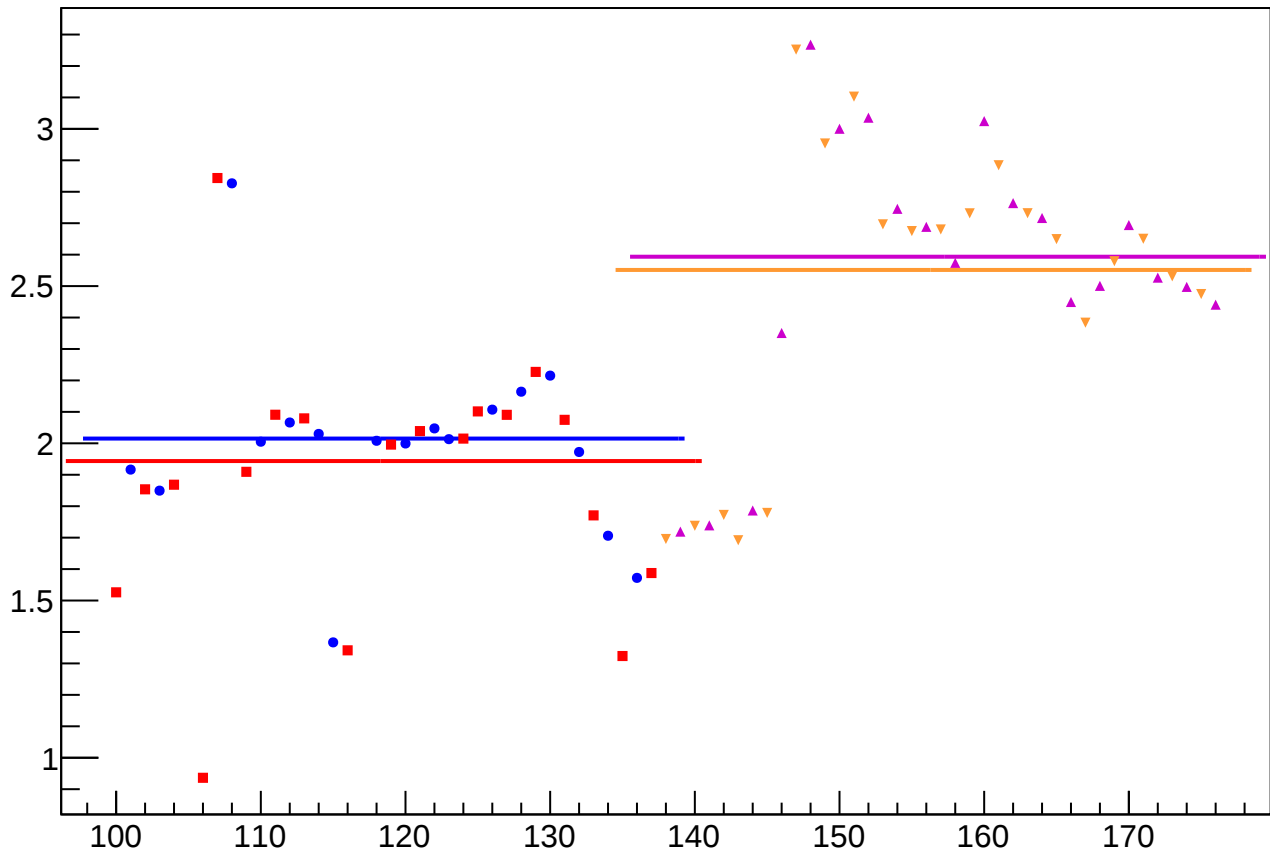
Left In: 0.005+/-0.000 χ^2/NDF : 416191.9/18

+ sign 0.005+/-0.000 χ^2/NDF : 2346275.8/36

All: 0.005+/-0.000 χ^2/NDF : 4559278.9/74

- sign 0.005+/-0.000 χ^2/NDF : 2212977.8/37

yield_bpm0l06X_mean vs Slug



Right In: 2.015+/-0.000 χ^2/NDF : 12228403202.6/16

Left Out: 2.551+/-0.000 χ^2/NDF : 48816142794.0/19

Right Out: 1.944+/-0.000 χ^2/NDF : 21427099579.0/18

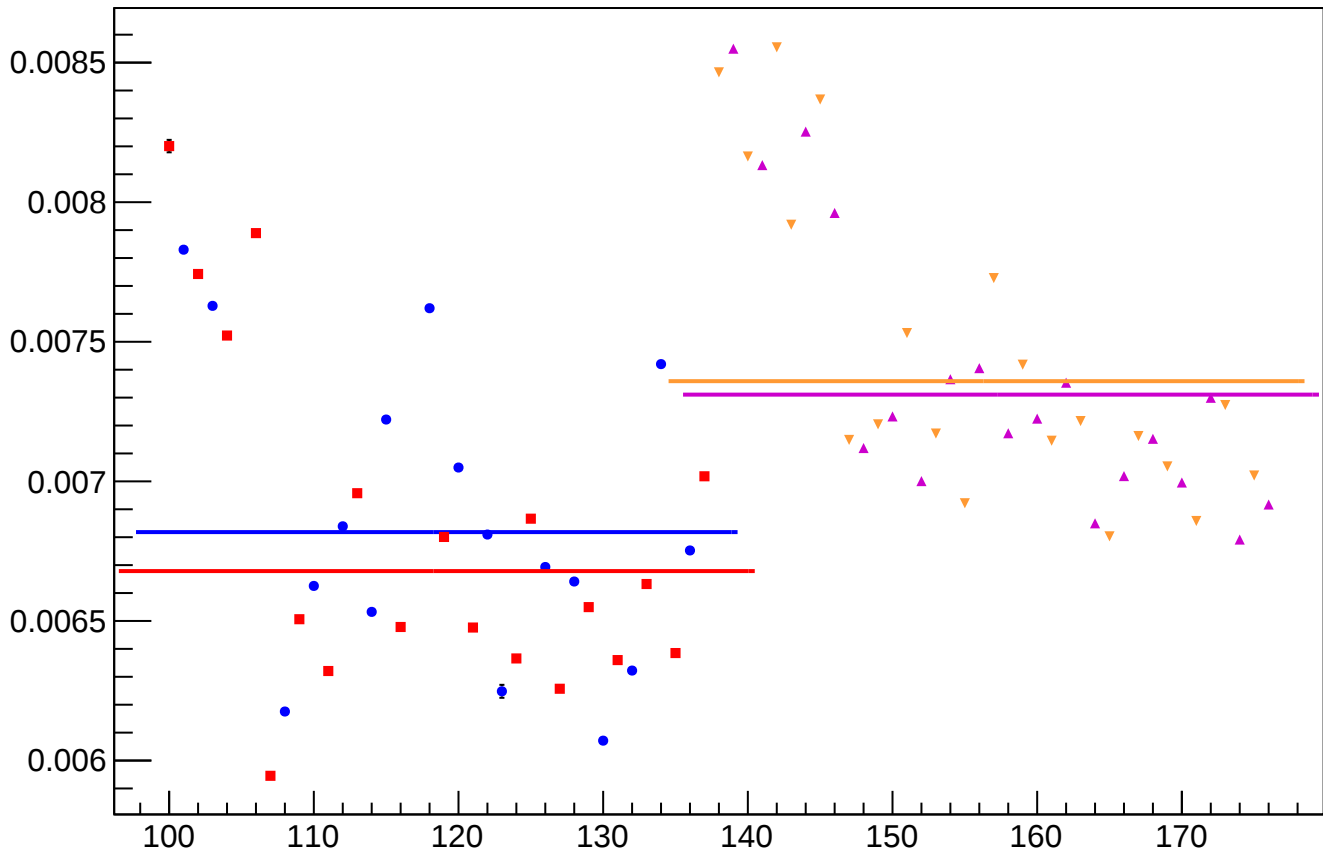
Left In: 2.593+/-0.000 χ^2/NDF : 41862203920.5/18

+ sign 2.368+/-0.000 χ^2/NDF : 86913411154.2/36

All: 2.361+/-0.000 χ^2/NDF : 190905975560.2

- sign 2.355+/-0.000 χ^2/NDF : 103959470698.0/37

yield_bpm0l06X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 75813.9/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:119572.2/19

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 75718.4/18

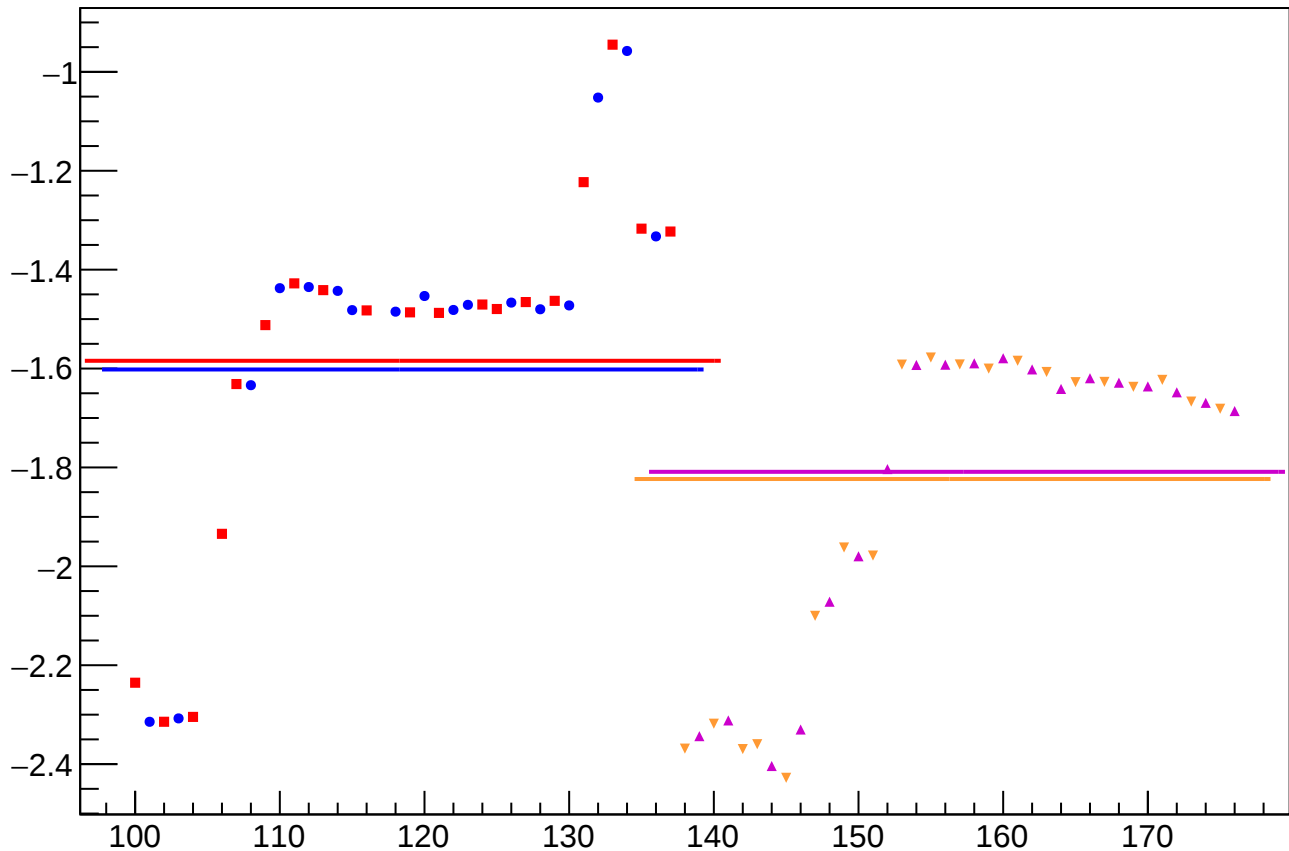
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:105374.4/18

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 247969.1/36

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 509682.0/74

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 258040.2/37

yield_bpm0l06Y_mean vs Slug



Right In: -1.602+/-0.000 χ^2/NDF : 140200656044.3/16

Left Out: -1.823+/-0.000 χ^2/NDF : 174518709708.5/19

Right Out: -1.584+/-0.000 χ^2/NDF : 143578606614.3/18

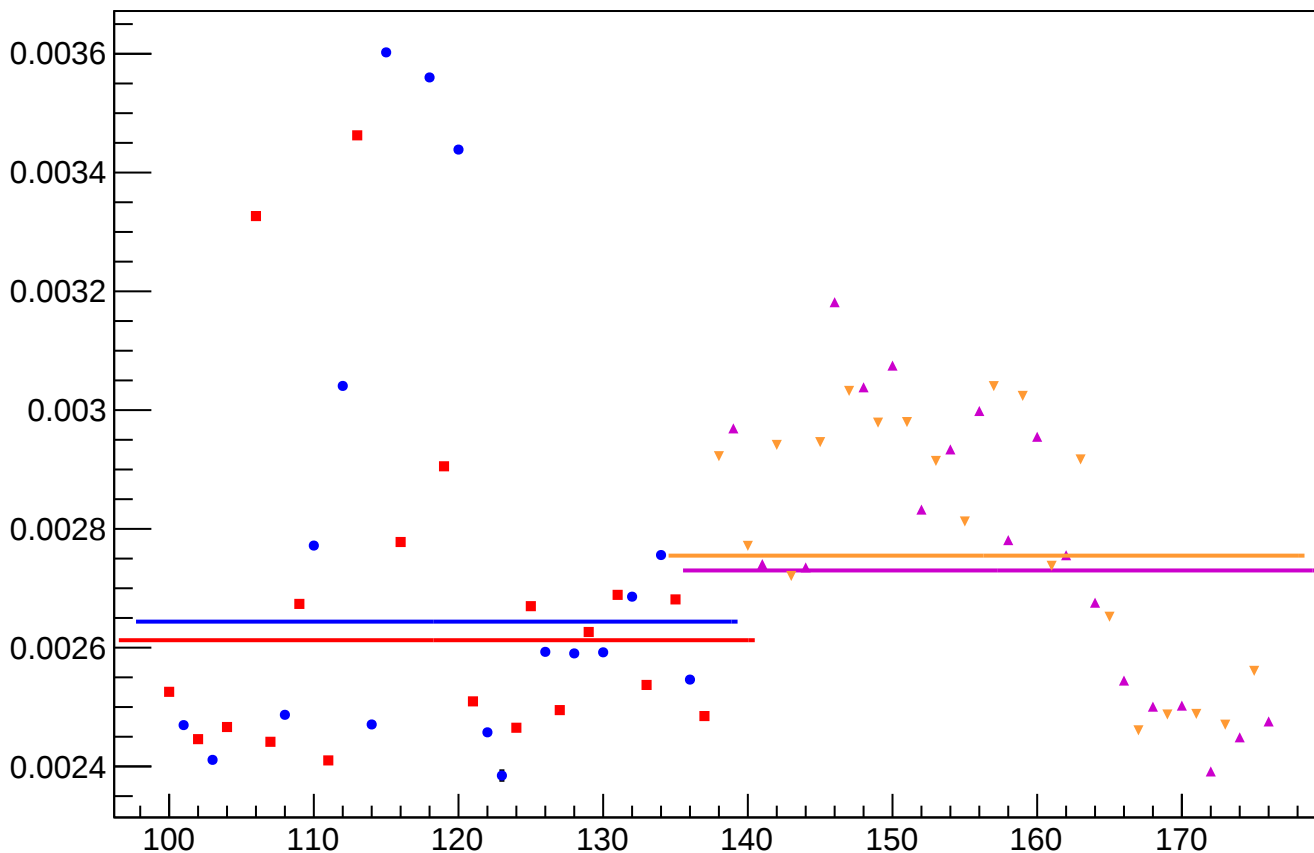
Left In: -1.809+/-0.000 χ^2/NDF : 155768851920.6/18

+ sign -1.751+/-0.000 χ^2/NDF : 344496690464.1/36

All: -1.742+/-0.000 χ^2/NDF : 676805992976.6

- sign -1.732+/-0.000 χ^2/NDF : 331768998658.3/37

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 :165298.2/19

Right Out: 0.003+/-0.000 χ^2/NDF : 105296.2/18

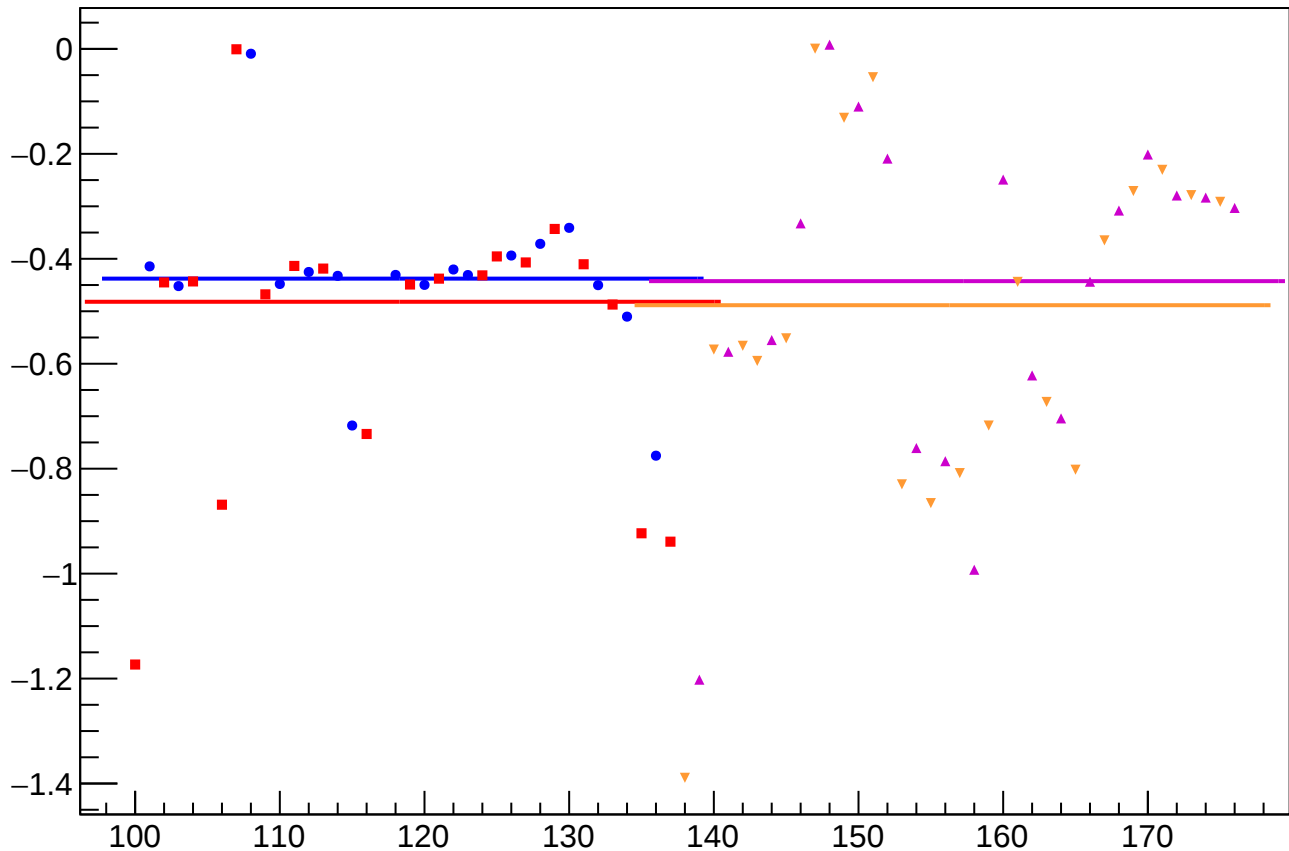
Left In: 0.003+/-0.000 χ^2/NDF :199746.2/18

+ sign 0.003+/-0.000 χ^2/NDF : 331672.1/36

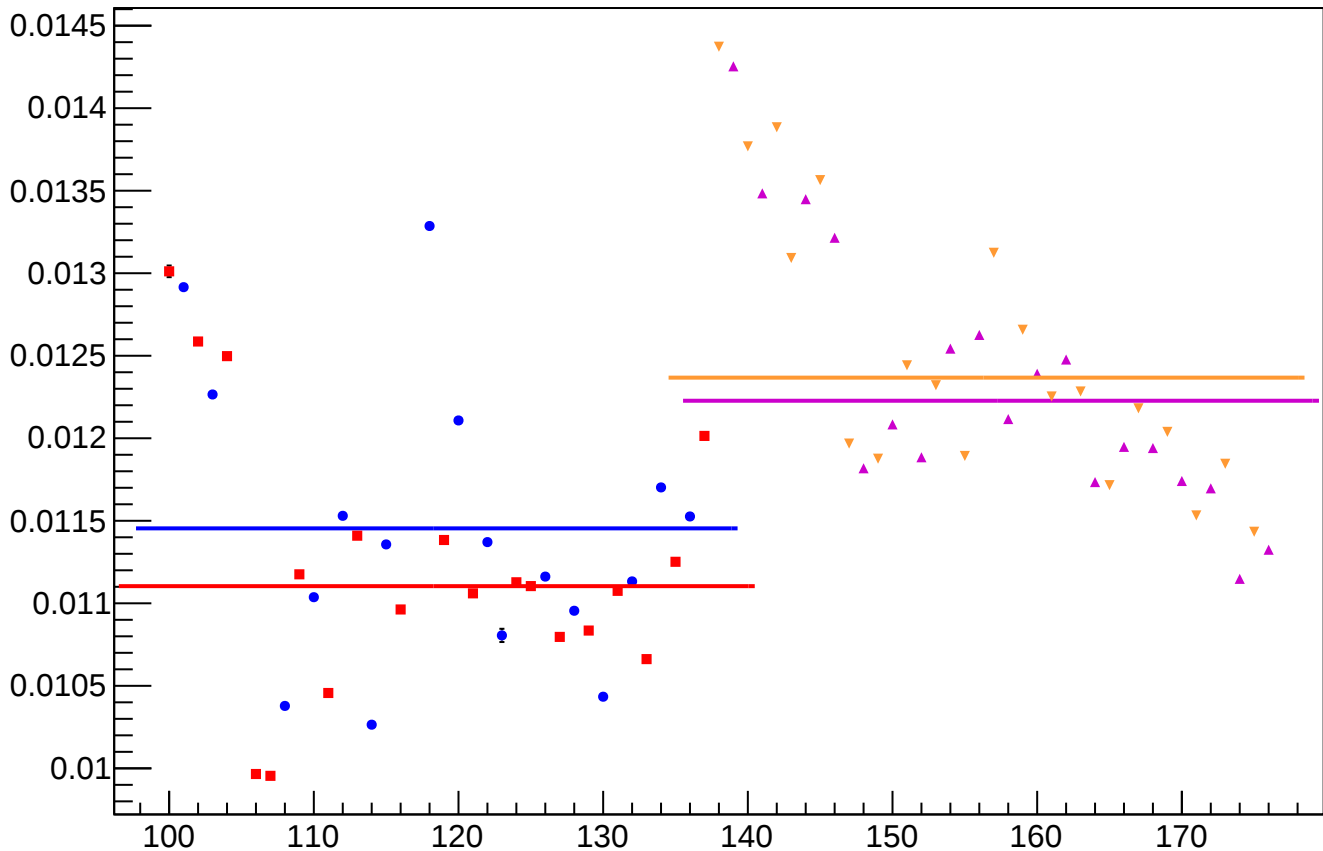
All: 0.003+/-0.000 χ^2/NDF : 656840.4/74

- sign 0.003+/-0.000 χ^2/NDF : 322781.0/37

yield_bpm0l07X_mean vs Slug



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 :105093.1/19

Right Out: 0.011+/-0.000 χ^2/NDF : 56045.0/18

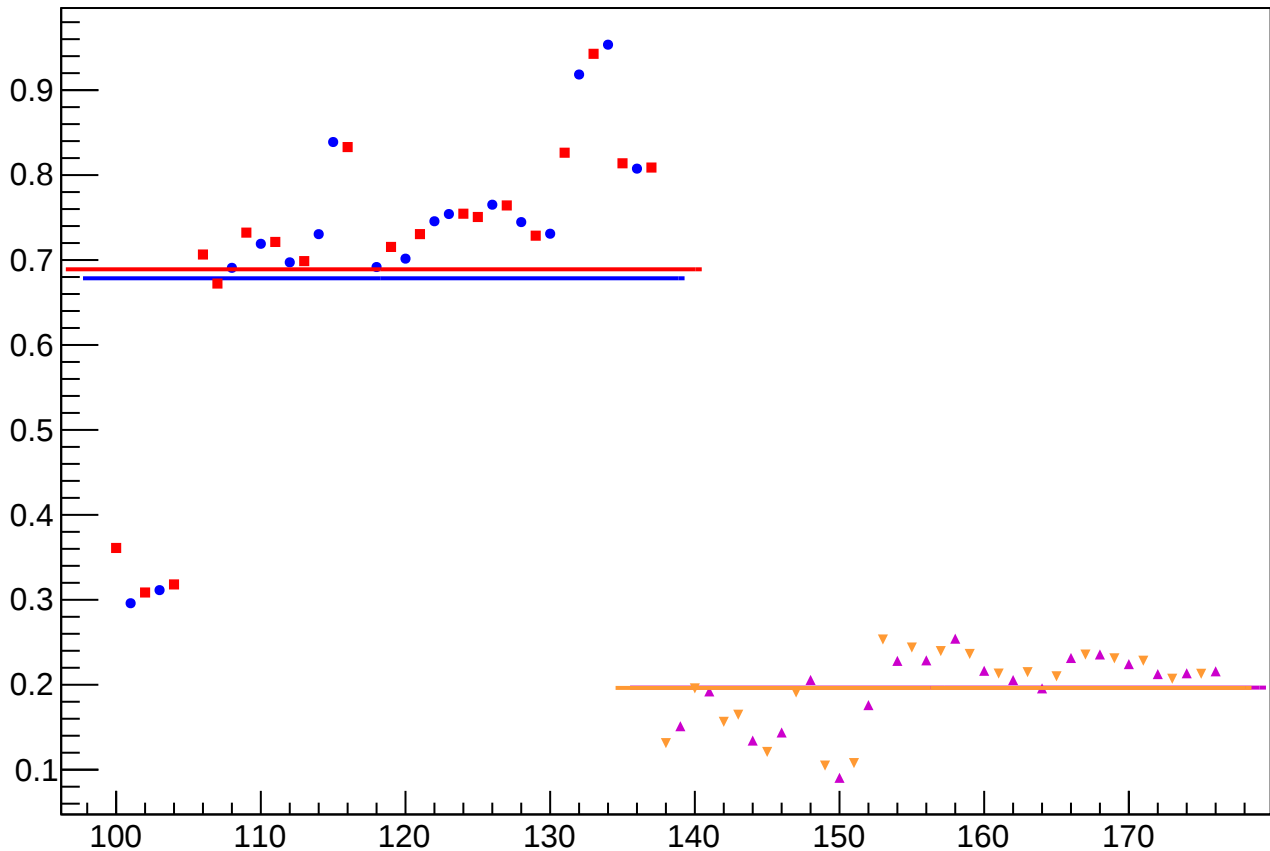
Left In: 0.012+/-0.000 χ^2/NDF :100804.1/18

+ sign 0.012+/-0.000 χ^2/NDF : 223644.0/36

All: 0.012+/-0.000 χ^2/NDF : 478089.6/74

- sign 0.012+/-0.000 χ^2/NDF : 245596.9/37

yield_bpm0l07Y_mean vs Slug



Right In: 0.678 $\pm$ 0.000 χ^2 /NDF: 38506442638.3/16

Left Out: 0.196 $\pm$ 0.000 χ^2 /NDF: 6588298474.7/19

Right Out: 0.689 $\pm$ 0.000 χ^2 /NDF: 35358596931.1/18

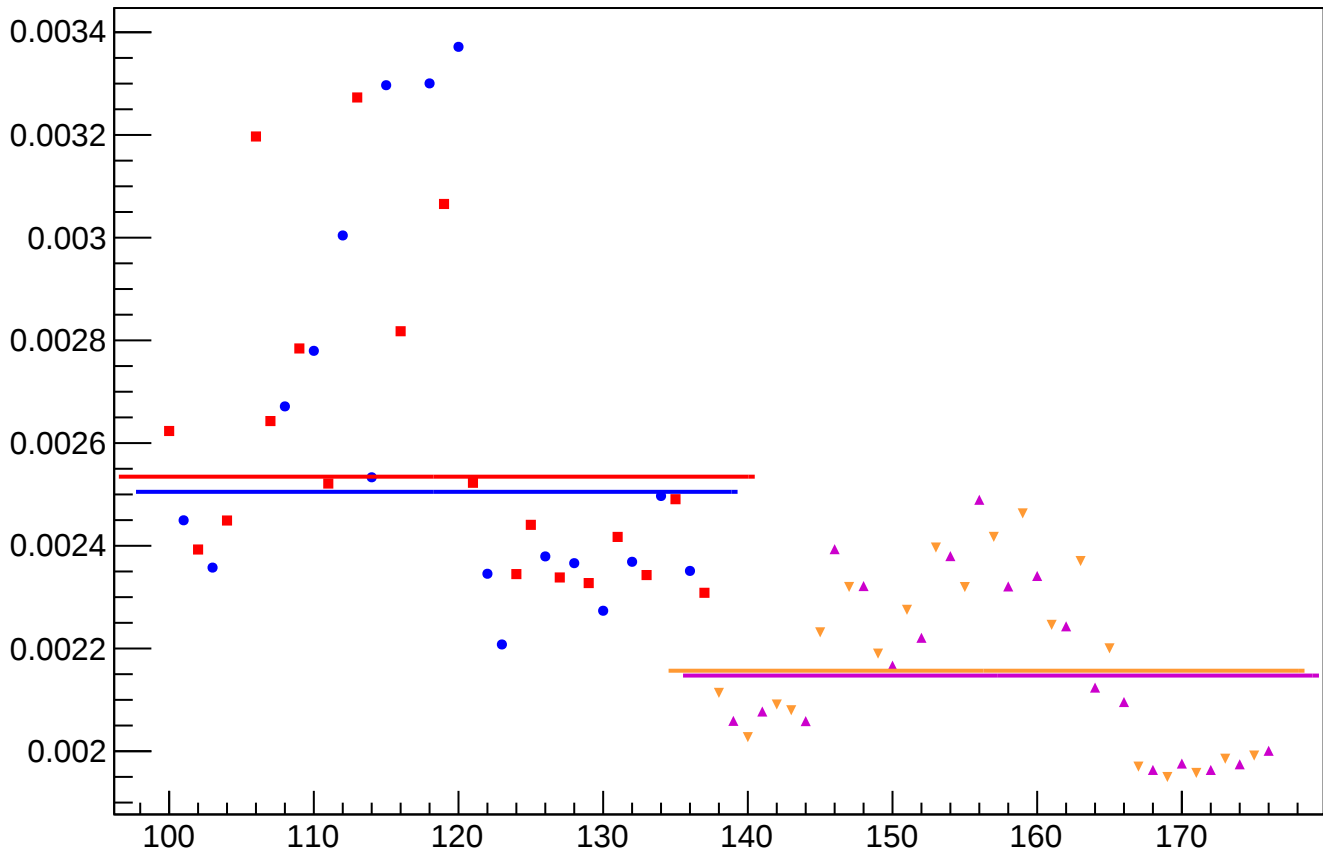
Left In: 0.197 $\pm$ 0.000 χ^2 /NDF: 5298807556.8/18

+ sign 0.313 $\pm$ 0.000 χ^2 /NDF: 224003185638.3/36

All: 0.316 $\pm$ 0.000 χ^2 /NDF: 454528571784.6

- sign 0.320 $\pm$ 0.000 χ^2 /NDF: 230434811588.5/37

yield_bpm0l07Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 175524.0/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:175293.9/19

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 131609.0/18

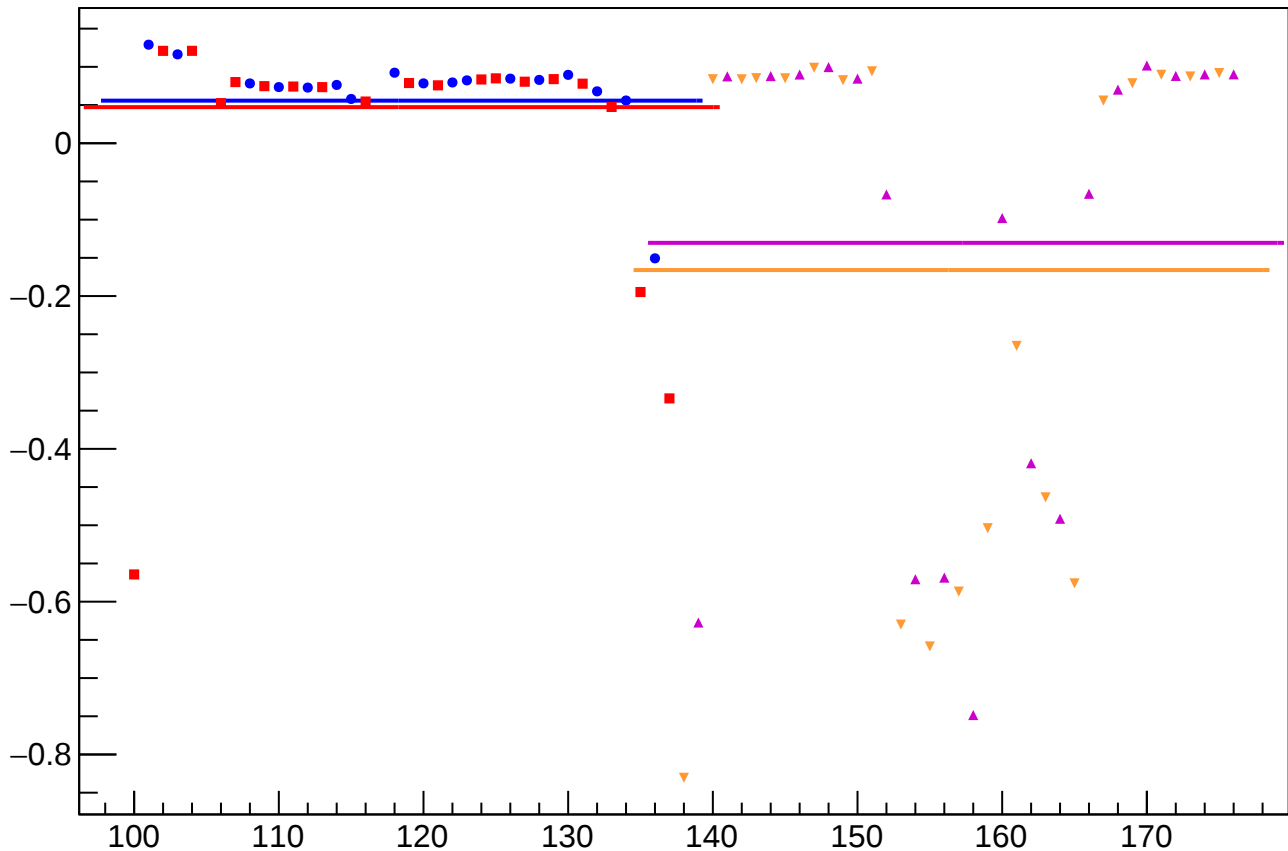
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:162036.1/18

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 537542.8/36

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 1066015.9/74

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 528437.2/37

yield_bpm0l08X_mean vs Slug



Right In: 0.056+/-0.000 χ^2/NDF : 423003688.1/16

Left Out: -0.166+/-0.000 χ^2/NDF : 12121465465.5/19

Right Out: 0.047+/-0.000 χ^2/NDF : 819588537.2/18

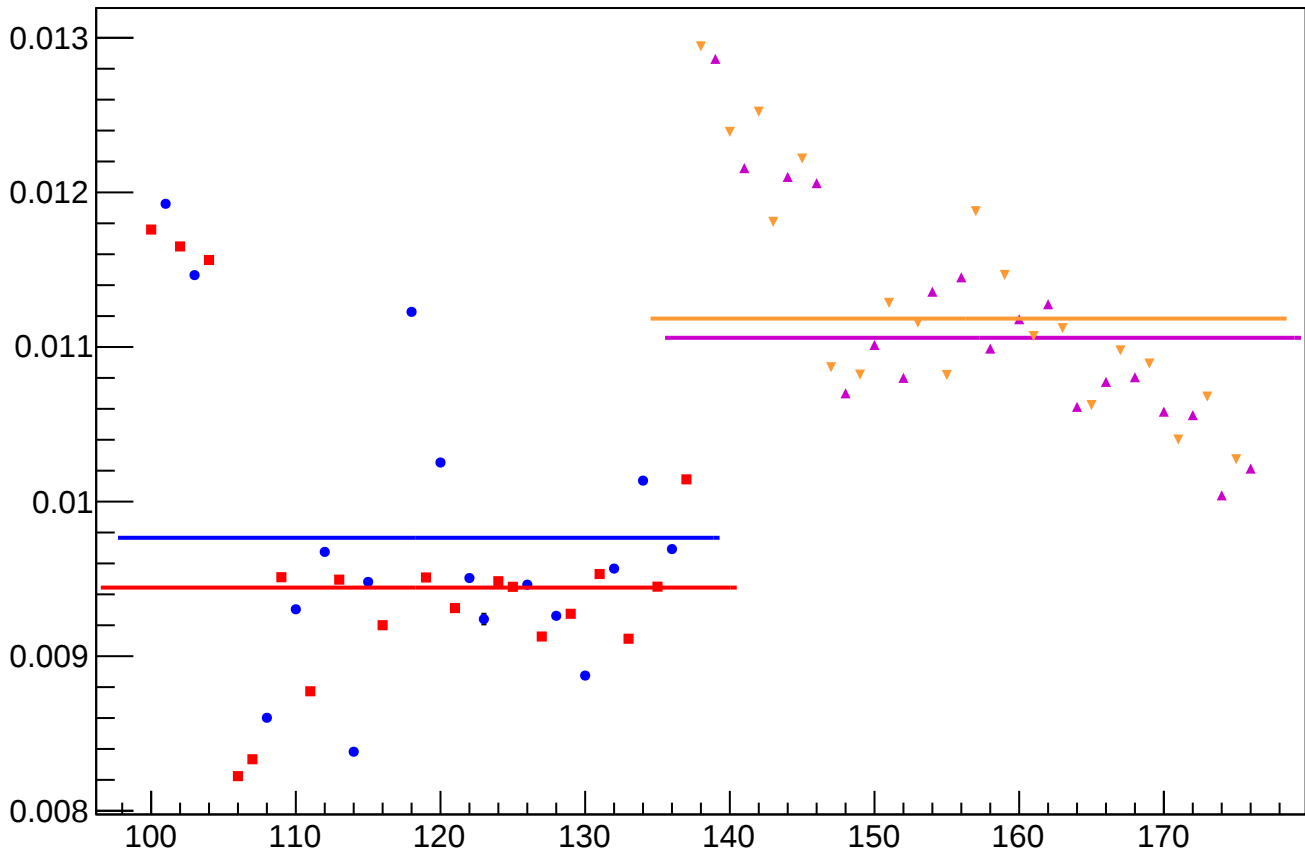
Left In: -0.130+/-0.000 χ^2/NDF : 10115570084.5/18

+ sign -0.084+/-0.000 χ^2/NDF : 14631276412.6/36

All: -0.071+/-0.000 χ^2/NDF : 27081954640.4/37

- sign -0.059+/-0.000 χ^2/NDF : 12392429803.9/37

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 : 102038.0/19

Right Out: 0.009+/-0.000 χ^2/NDF : 110693.8/18

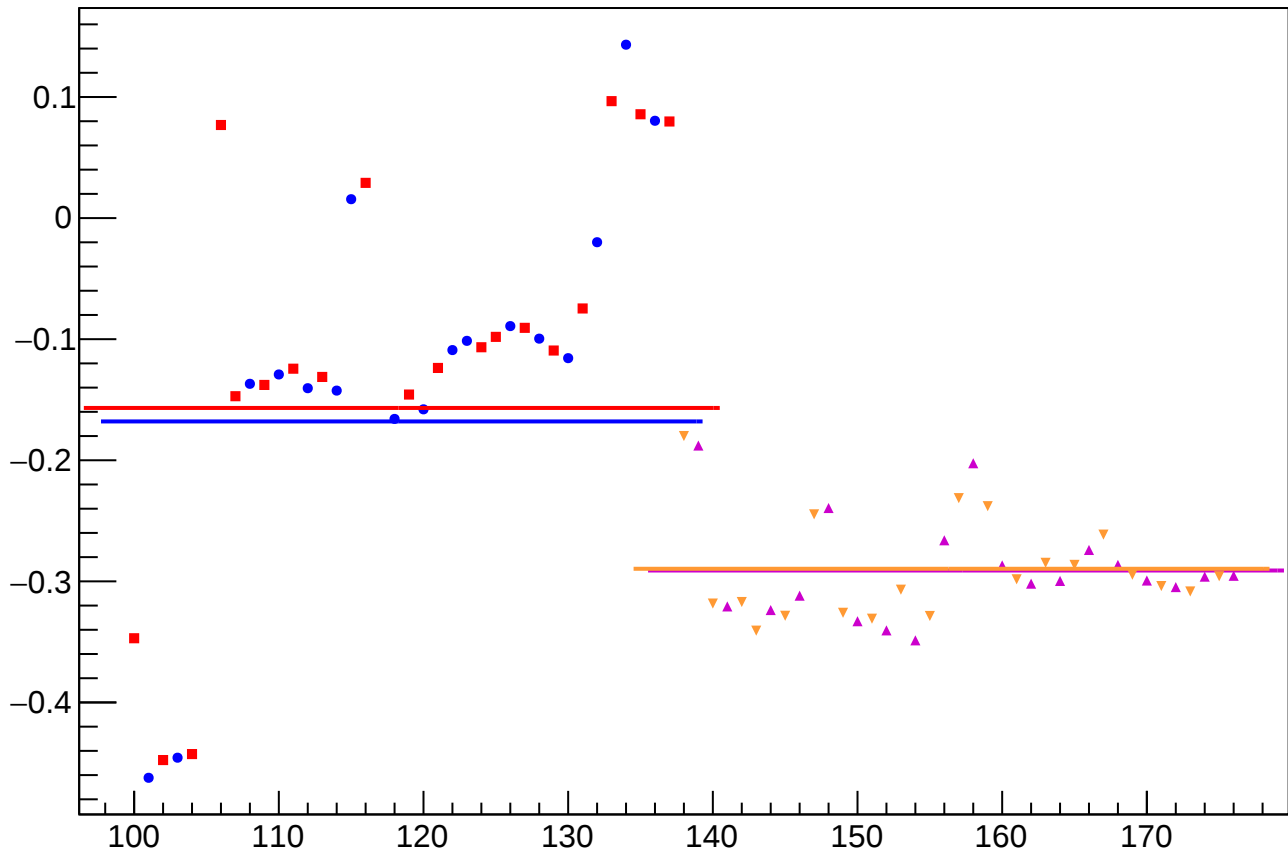
Left In: 0.011+/-0.000 χ^2/NDF : 102216.2/18

+ sign 0.011+/-0.000 χ^2/NDF : 389362.9/36

All: 0.011+/-0.000 χ^2/NDF : 855098.3/74

- sign 0.010+/-0.000 χ^2/NDF : 454077.0/37

yield_bpm0l08Y_mean vs Slug



Right In: -0.168+/-0.000 χ^2/NDF : 12331812610.6/16

Left Out: -0.290+/-0.000 χ^2/NDF : 2850896909.6/19

Right Out: -0.157+/-0.000 χ^2/NDF : 11026962470.3/18

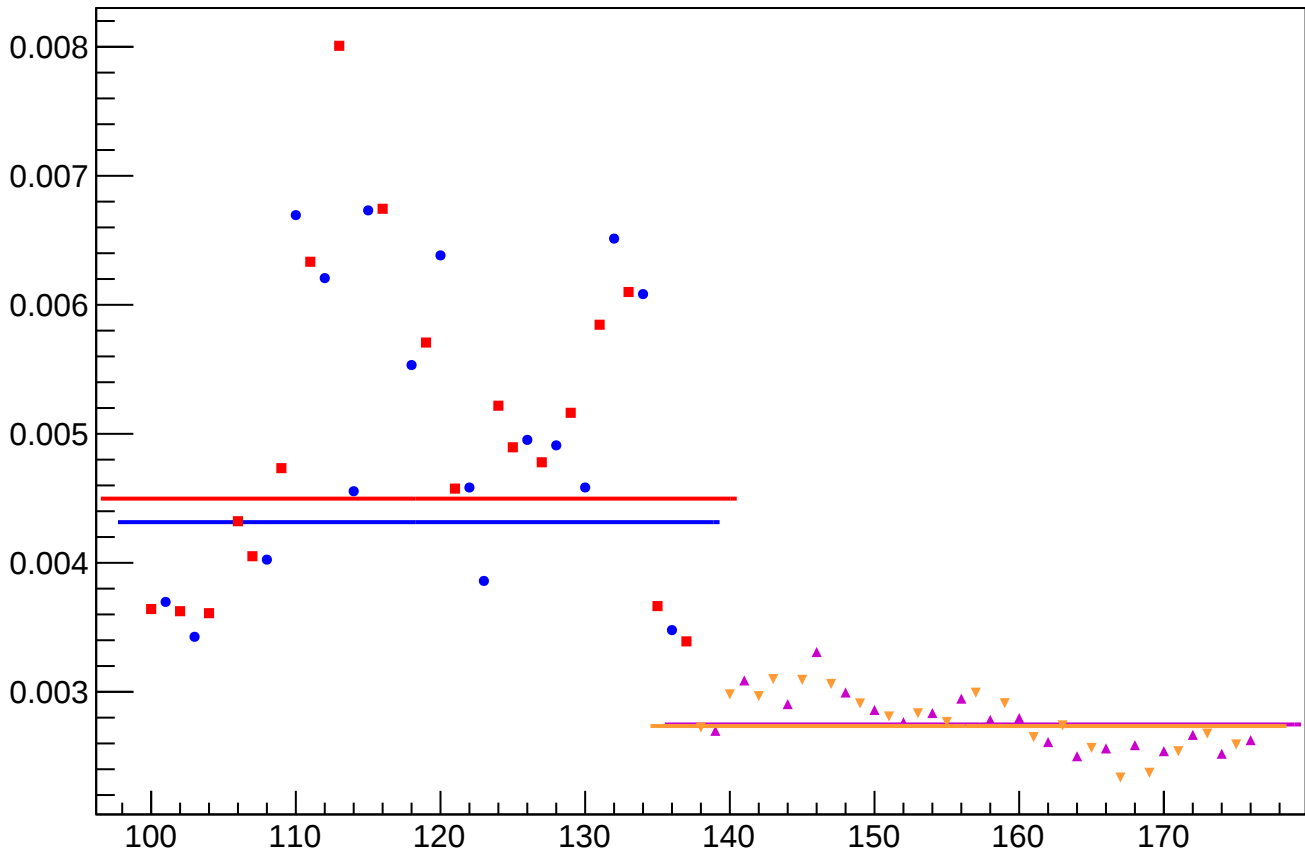
Left In: -0.291+/-0.000 χ^2/NDF : 3119830550.1/18

+ sign -0.273+/-0.000 χ^2/NDF : 19153333363.8/36

All: -0.272+/-0.000 χ^2/NDF : 38054276754.9/37

- sign -0.272+/-0.000 χ^2/NDF : 18900534874.3/37

yield_bpm0l08Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 619744.7/16

Left Out: 0.003+/-0.000 χ^2/NDF :195650.8/19

Right Out: 0.004+/-0.000 χ^2/NDF : 649708.4/18

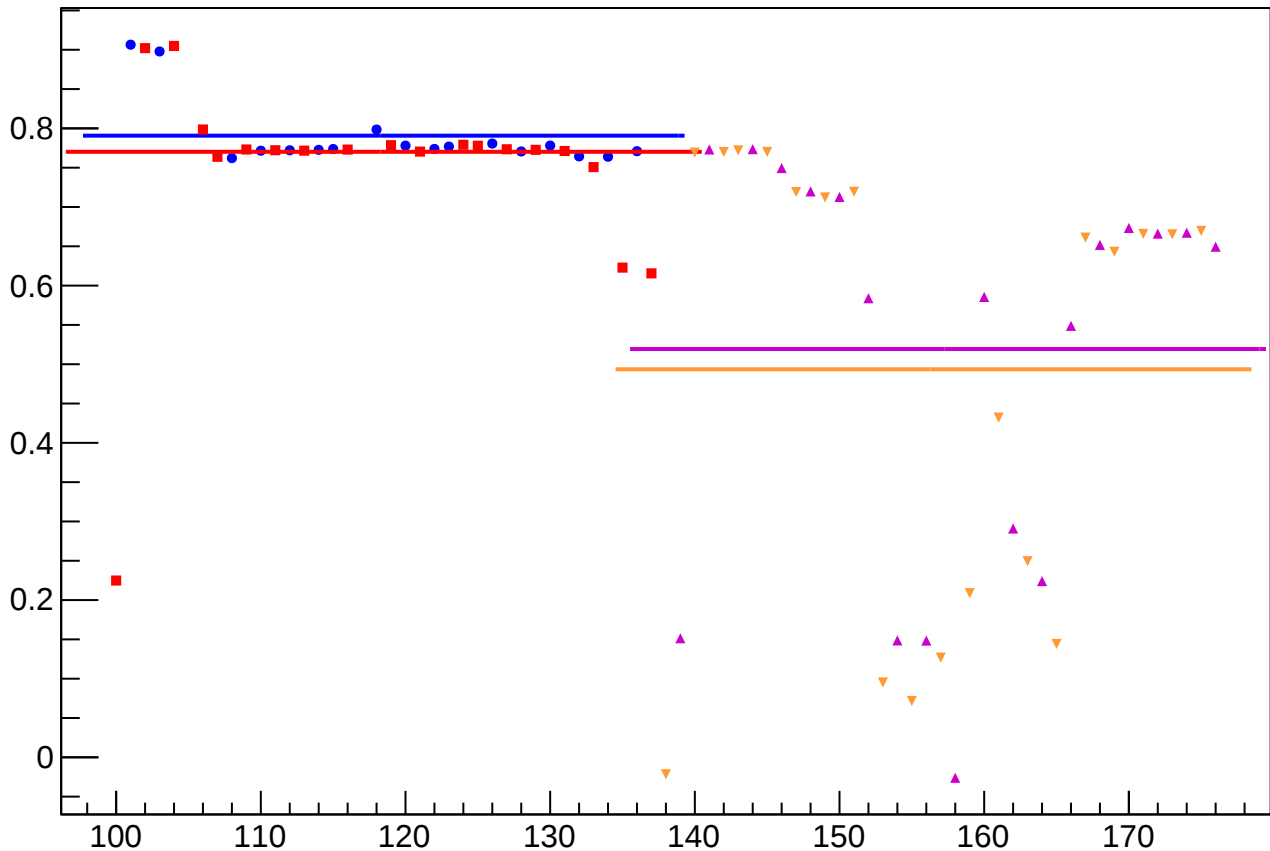
Left In: 0.003+/-0.000 χ^2/NDF :140704.8/18

+ sign 0.003+/-0.000 χ^2/NDF : 2155137.9/36

All: 0.003+/-0.000 χ^2/NDF : 4565621.8/74

- sign 0.003+/-0.000 χ^2/NDF : 2407028.8/37

yield_bpm0l09X_mean vs Slug



Right In: 0.791 ± 0.000 χ^2/NDF : 106705767.1/16

Left Out: 0.494 ± 0.000 χ^2/NDF : 9058306923.2/19

Right Out: 0.770 ± 0.000 χ^2/NDF : 375442189.7/18

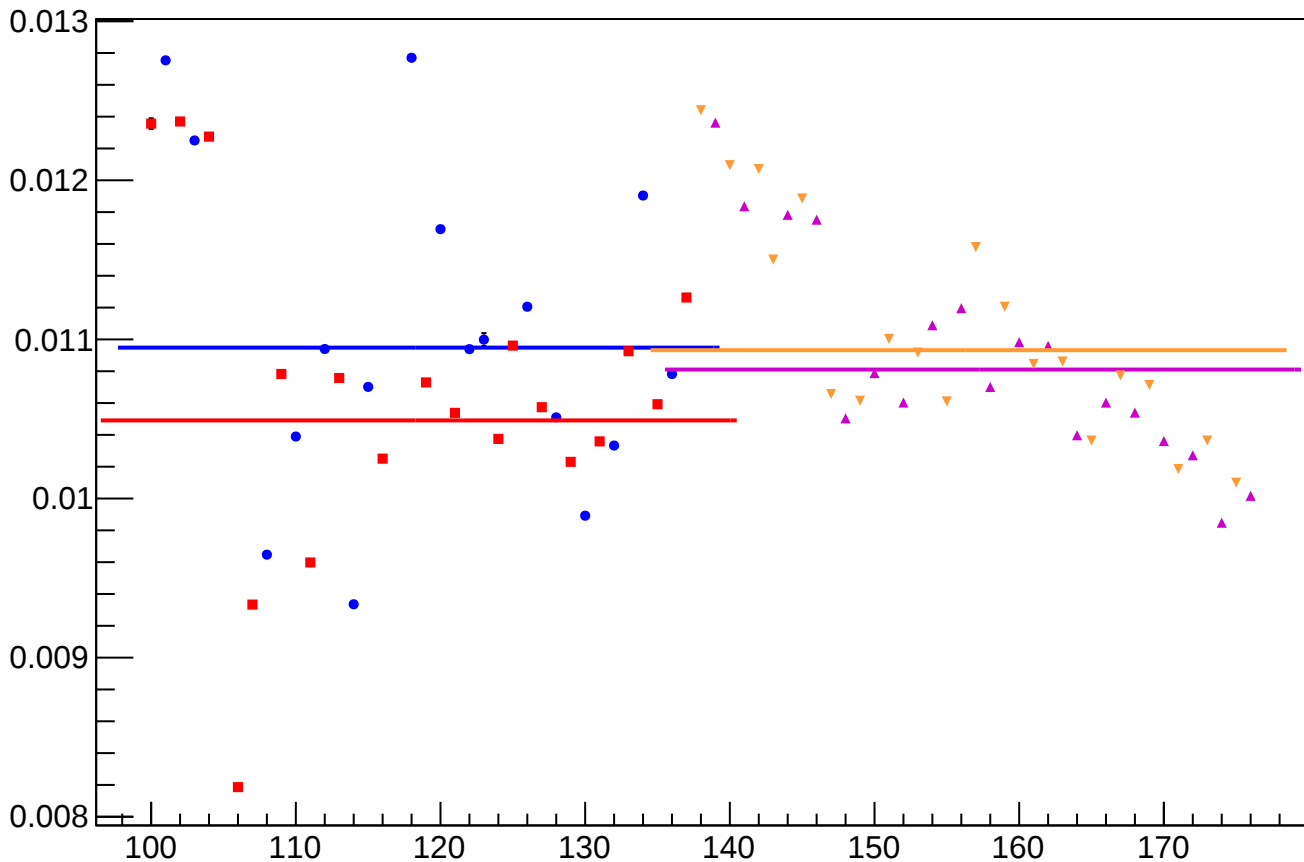
Left In: 0.519 ± 0.000 χ^2/NDF : 7574890969.6/18

+ sign 0.585 ± 0.000 χ^2/NDF : 12447052276.2/36

All: 0.595 ± 0.000 χ^2/NDF : 23028945266.9/7

- sign 0.605 ± 0.000 χ^2/NDF : 10546538414.1/37

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 : 90788.2/19

Right Out: 0.010+/-0.000 χ^2/NDF : 119420.8/18

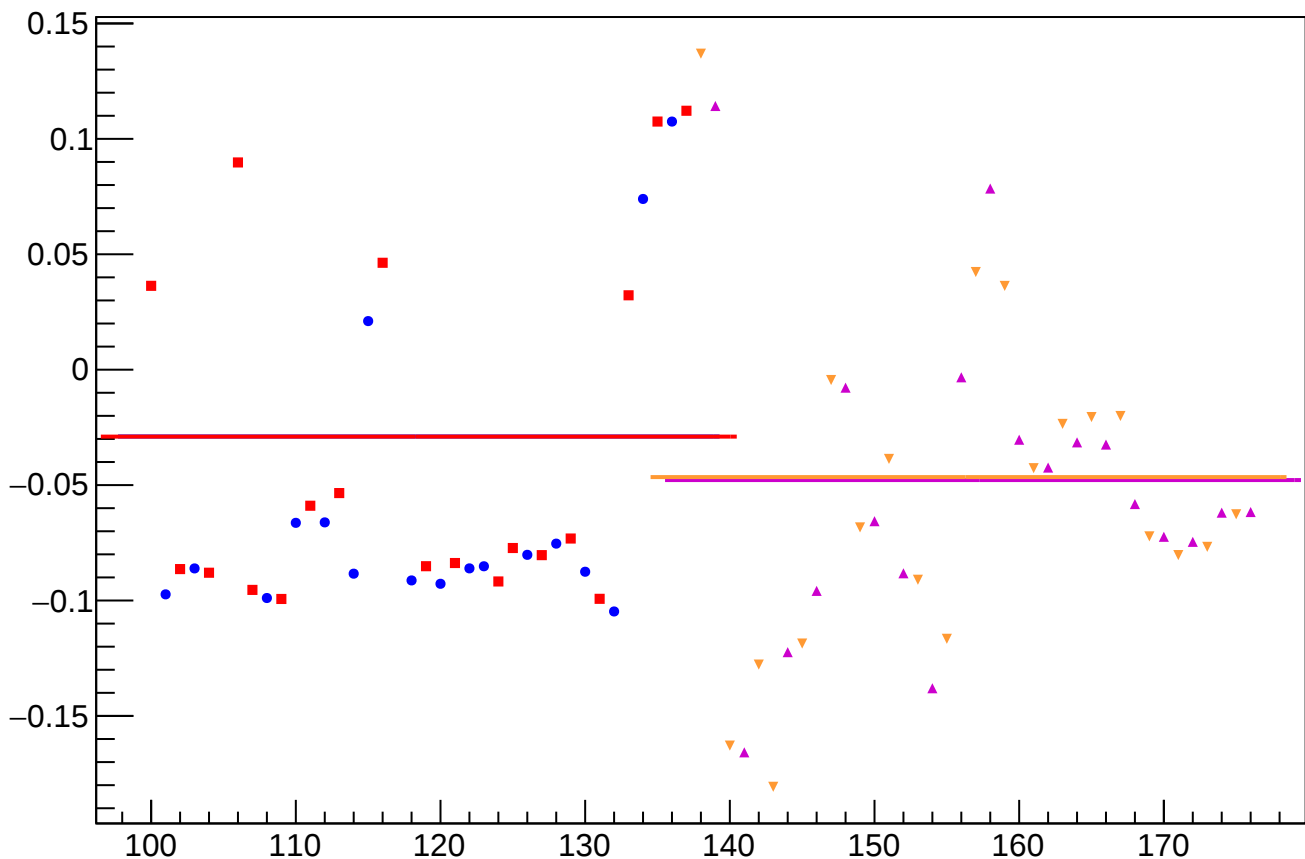
Left In: 0.011+/-0.000 χ^2/NDF : 92295.4/18

+ sign 0.011+/-0.000 χ^2/NDF : 189358.8/36

All: 0.011+/-0.000 χ^2/NDF : 419460.6/74

- sign 0.011+/-0.000 χ^2/NDF : 220141.5/37

yield_bpm0l09Y_mean vs Slug



Right In: -0.029+/-0.000 χ^2/NDF : 2445975608.2/16

Left Out: -0.047+/-0.000 χ^2/NDF : 7091037489.5/19

Right Out: -0.029+/-0.000 χ^2/NDF : 2113349669.8/18

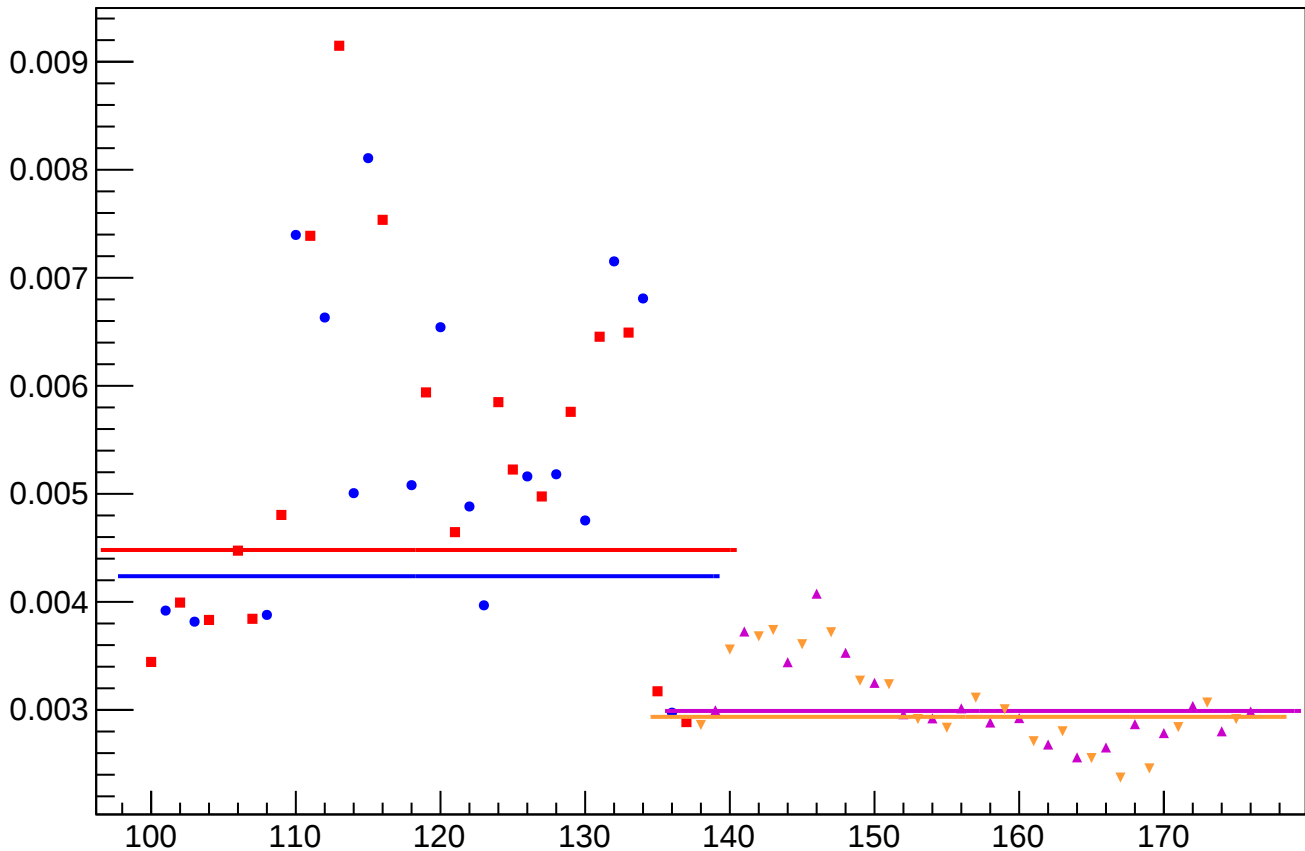
Left In: -0.048+/-0.000 χ^2/NDF : 6047852536.6/18

+ sign -0.044+/-0.000 χ^2/NDF : 9616319578.8/36

All: -0.044+/-0.000 χ^2/NDF : 17865175758.9/37

- sign -0.045+/-0.000 χ^2/NDF : 8247811195.6/37

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: 464076.8/19

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 984186.1/18

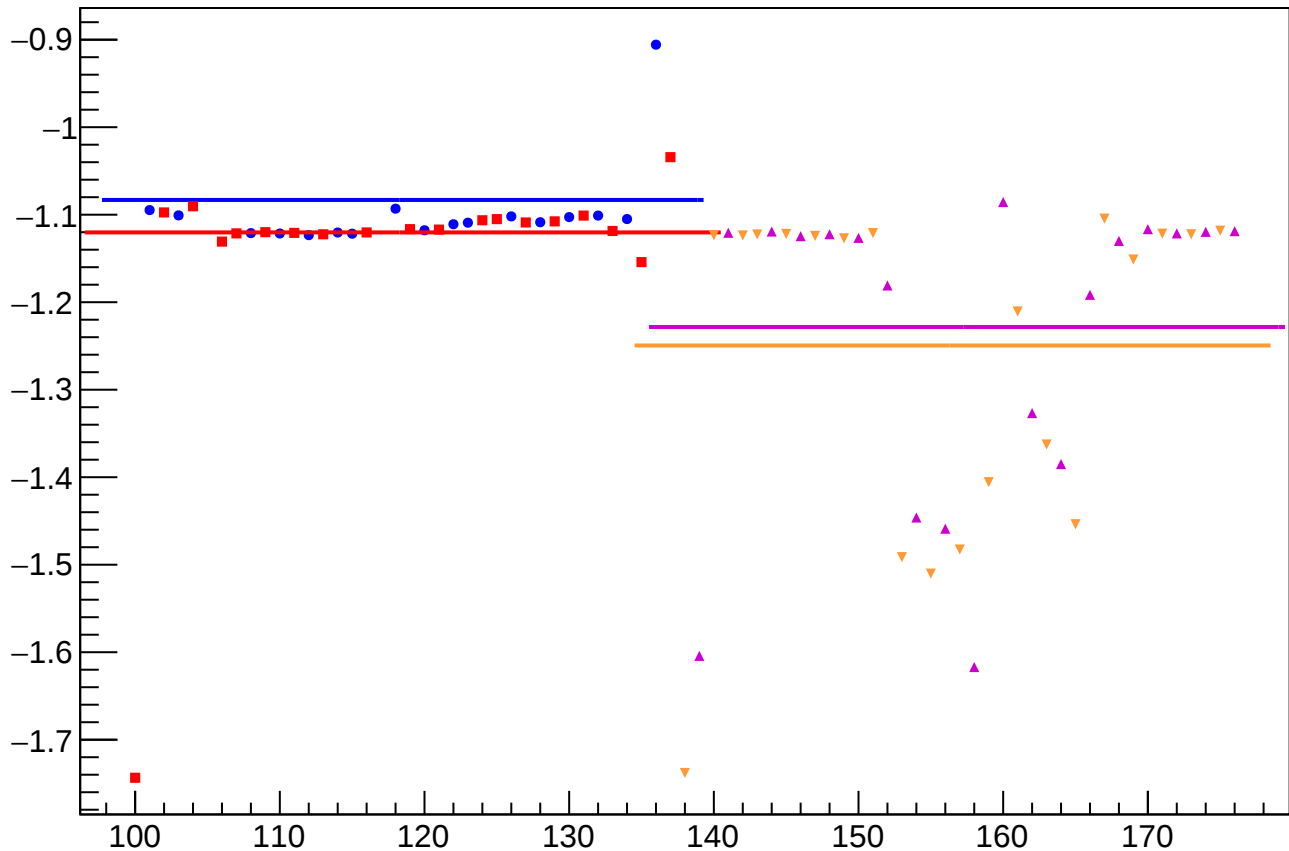
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 316068.4/18

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2214669.0/36

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 4614420.0/74

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2385610.5/37

yield_bpm0l10X_mean vs Slug



Right In: -1.083 ± 0.000 χ^2/NDF : 202920901.6/16

Left Out: -1.249 ± 0.000 χ^2/NDF : 4749424232.6/19

Right Out: -1.120 ± 0.000 χ^2/NDF : 220571280.7/18

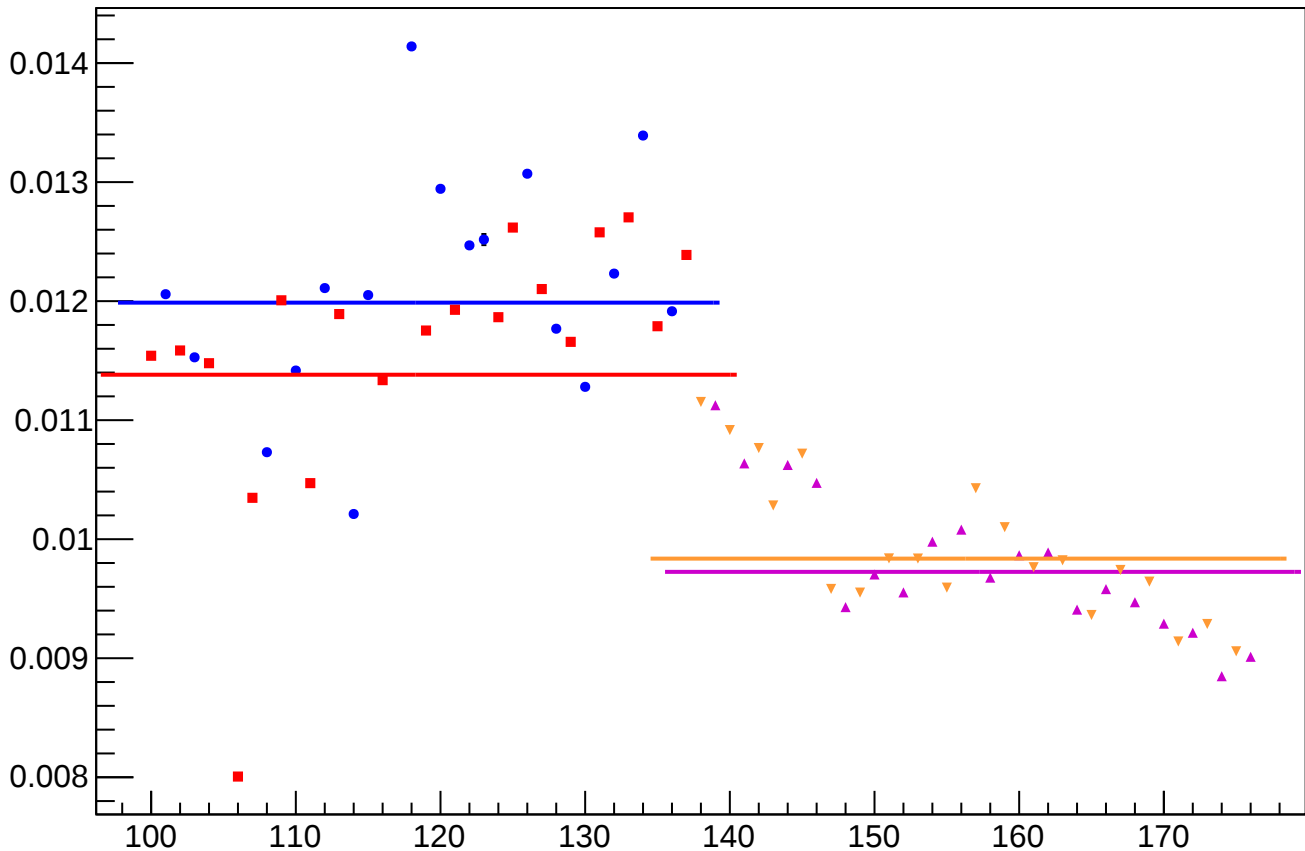
Left In: -1.228 ± 0.000 χ^2/NDF : 4204348204.2/18

+ sign -1.211 ± 0.000 χ^2/NDF : 5905803681.8/36

All: -1.205 ± 0.000 χ^2/NDF : 10799022272.8/73

- sign -1.200 ± 0.000 χ^2/NDF : 4881209904.1/37

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: 91171.4/19

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 154529.8/18

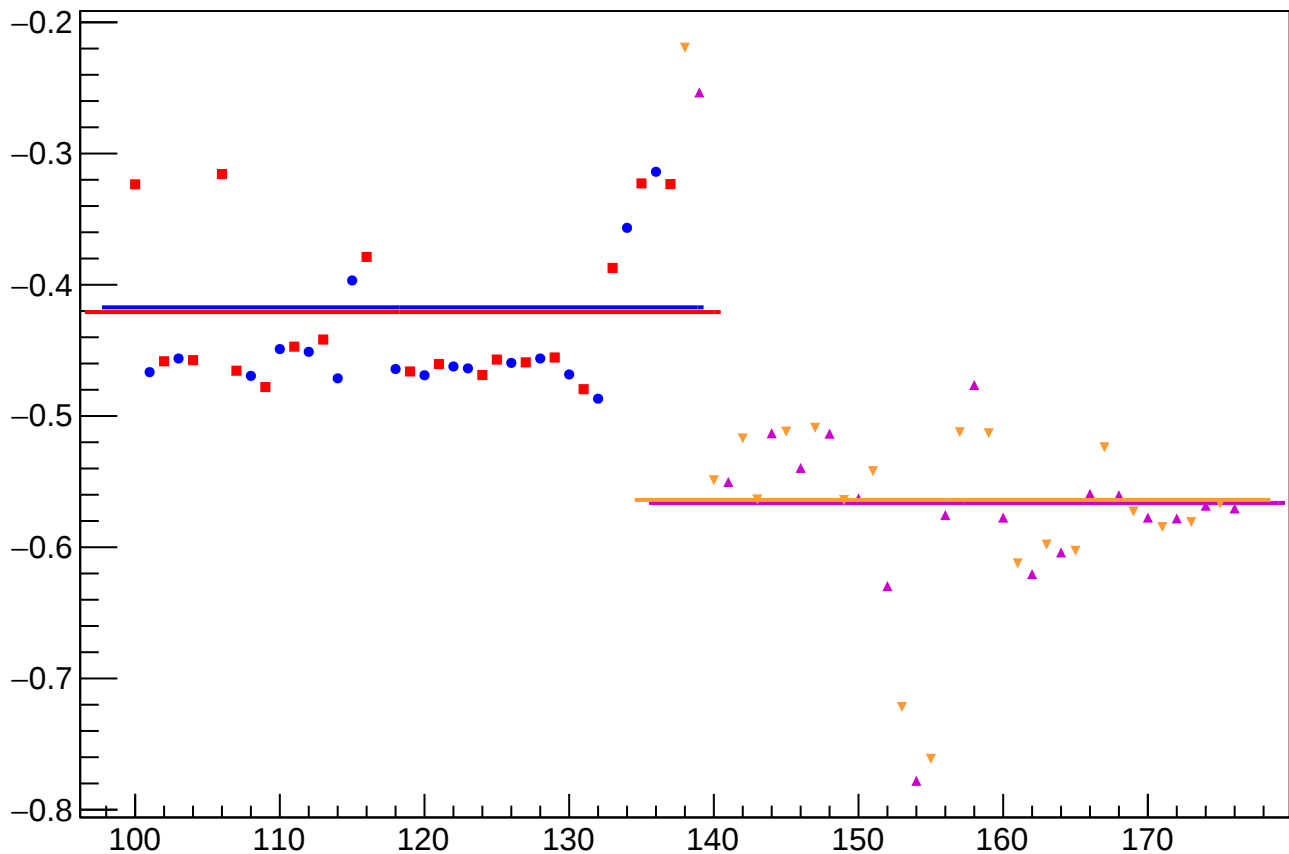
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 92044.1/18

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 470392.3/36

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 937294.9/74

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 460845.0/37

yield_bpm0l10Y_mean vs Slug



Right In: -0.417+/-0.000 χ^2/NDF : 2039045143.8/16

Left Out: -0.564+/-0.000 χ^2/NDF : 13310484066.5/19

Right Out: -0.421+/-0.000 χ^2/NDF : 1646463410.7/18

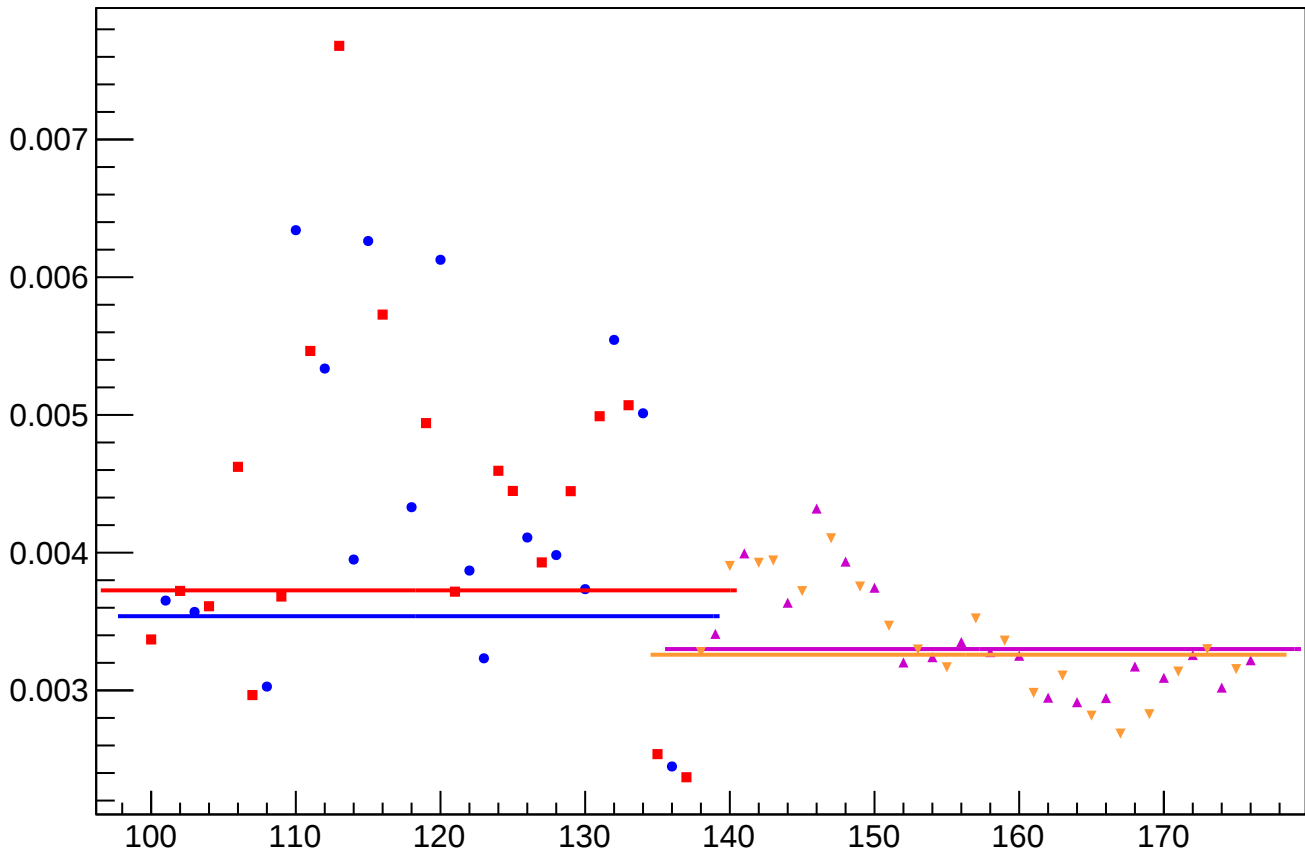
Left In: -0.566+/-0.000 χ^2/NDF : 10433180504.7/18

+ sign -0.527+/-0.000 χ^2/NDF : 22381132145.1/36

All: -0.529+/-0.000 χ^2/NDF : 41140531584.2/37

- sign -0.530+/-0.000 χ^2/NDF : 18755574748.0/37

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2/NDF : 836154.0/16

Left Out: 0.003 $\pm$ 0.000 χ^2/NDF :374539.0/19

Right Out: 0.004 $\pm$ 0.000 χ^2/NDF : 898447.6/18

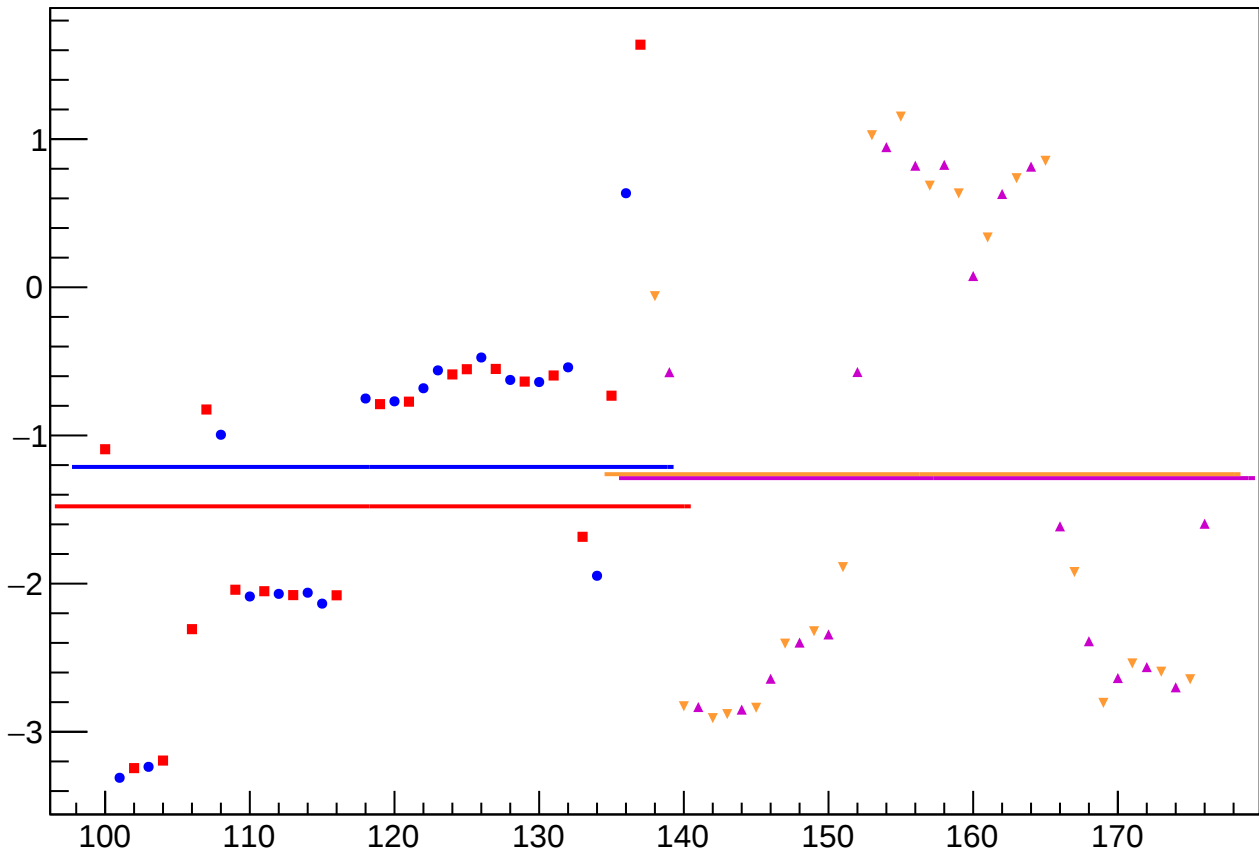
Left In: 0.003 $\pm$ 0.000 χ^2/NDF :277193.8/18

+ sign 0.003 $\pm$ 0.000 χ^2/NDF : 1261810.6/36

All: 0.003 $\pm$ 0.000 χ^2/NDF : 2562714.8/74

- sign 0.003 $\pm$ 0.000 χ^2/NDF : 1290199.4/37

yield_bpm0r03X_mean vs Slug



Right In: -1.212 $\pm$ 0.000 χ^2 /NDF: 1992853443.9/16

Left Out: -1.261 $\pm$ 0.000 χ^2 /NDF: 6708406159.5/19

Right Out: -1.478 $\pm$ 0.000 χ^2 /NDF: 1578264383.8/18

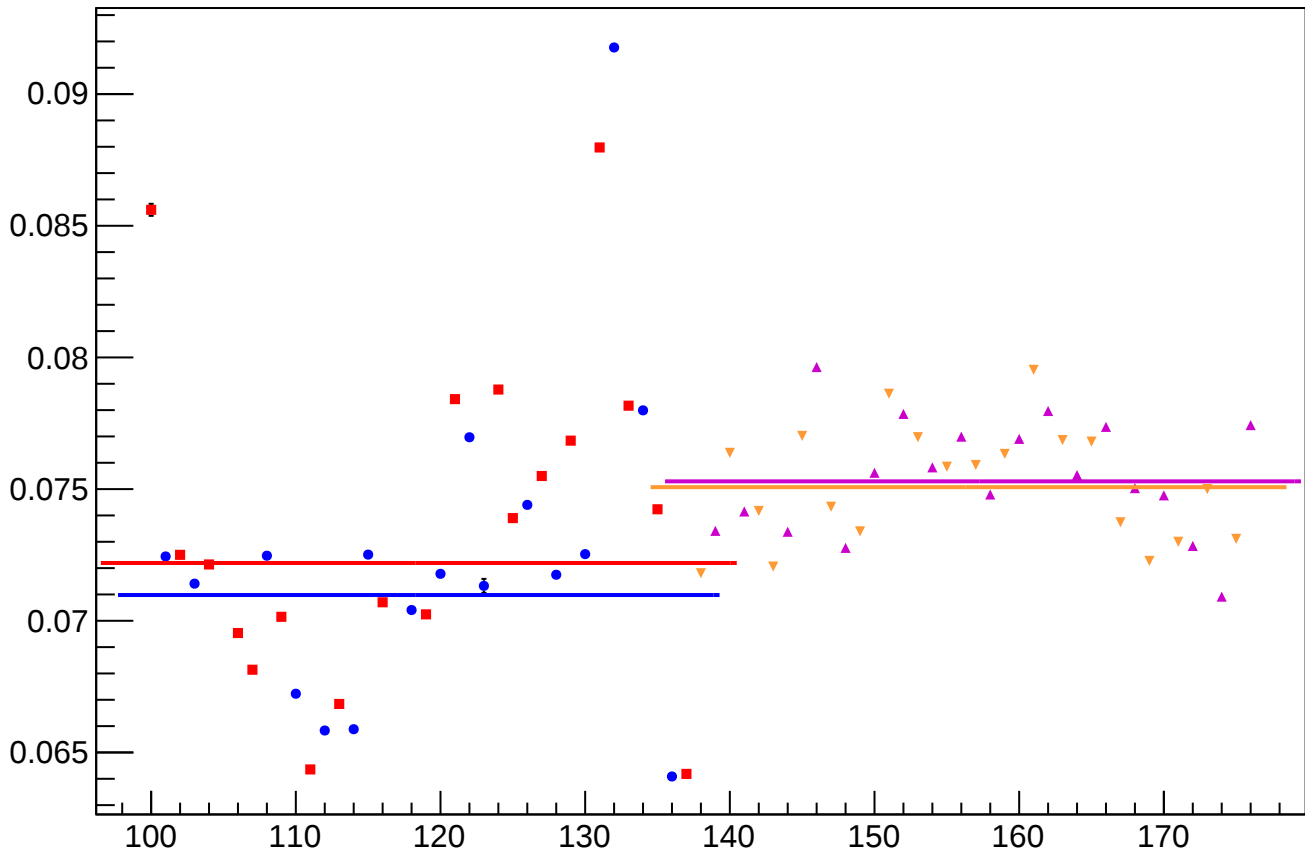
Left In: -1.288 $\pm$ 0.000 χ^2 /NDF: 5510882063.2/18

+ sign -1.245 $\pm$ 0.000 χ^2 /NDF: 8703345564.8/36

All: -1.299 $\pm$ 0.000 χ^2 /NDF: 15847181584.0/37

- sign -1.354 $\pm$ 0.000 χ^2 /NDF: 7120895629.2/37

yield_bpm0r03X_rms vs Slug



Right In: 0.071+/-0.000 χ^2/NDF : 77589.5/16

Left Out: 0.075+/-0.000 χ^2/NDF : 24372.4/19

Right Out: 0.072+/-0.000 χ^2/NDF : 73228.9/18

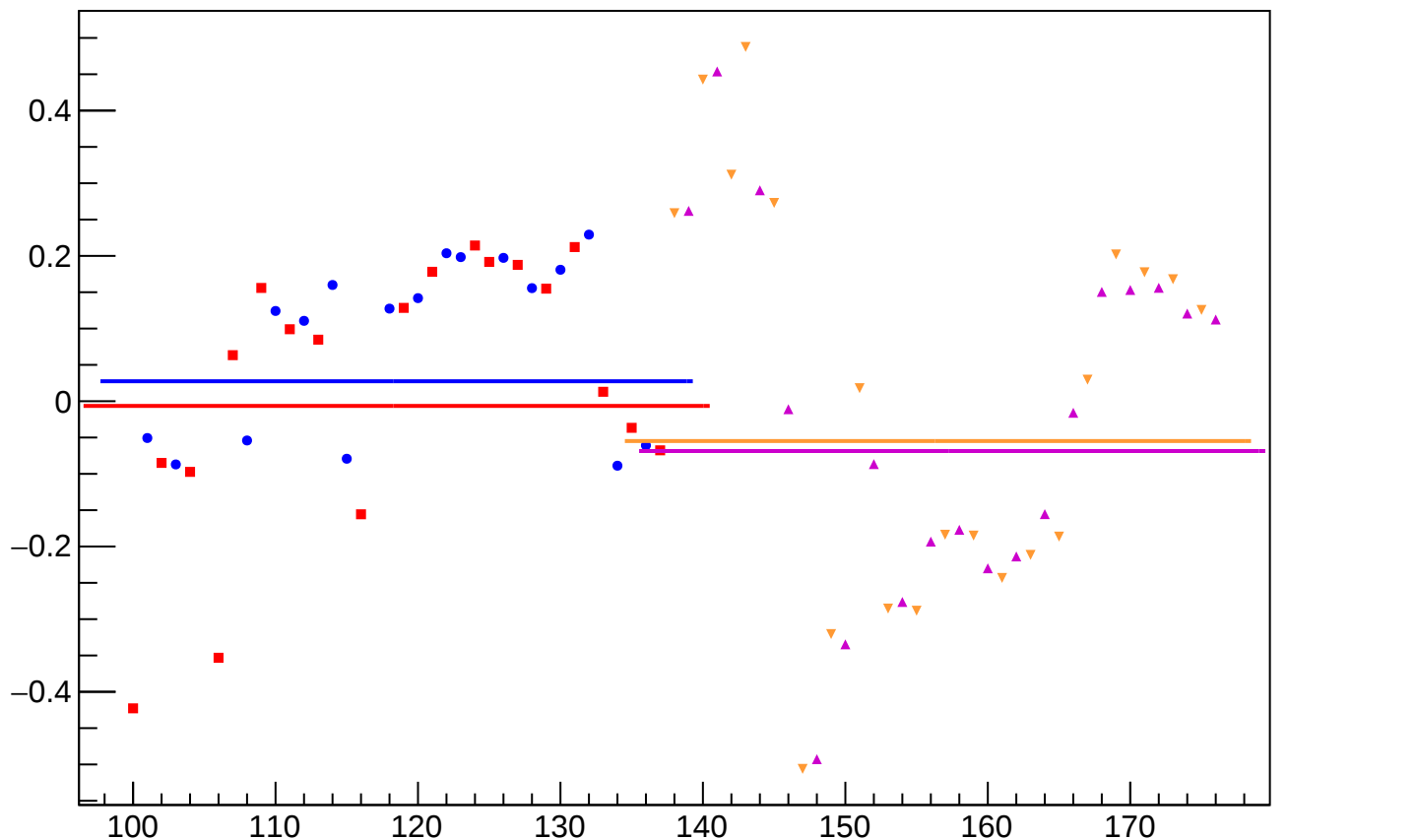
Left In: 0.075+/-0.000 χ^2/NDF : 23034.9/18

+ sign 0.074+/-0.000 χ^2/NDF : 131189.6/36

All: 0.074+/-0.000 χ^2/NDF : 245281.9/74

- sign 0.074+/-0.000 χ^2/NDF : 113069.7/37

yield_bpm0r03Y_mean vs Slug



Right In: 0.027+/-0.000 χ^2/NDF : 562337631.4/16

Left Out: -0.055+/-0.000 χ^2/NDF : 18542651678.8/19

Right Out: -0.007+/-0.000 χ^2/NDF : 1199278894.0/18

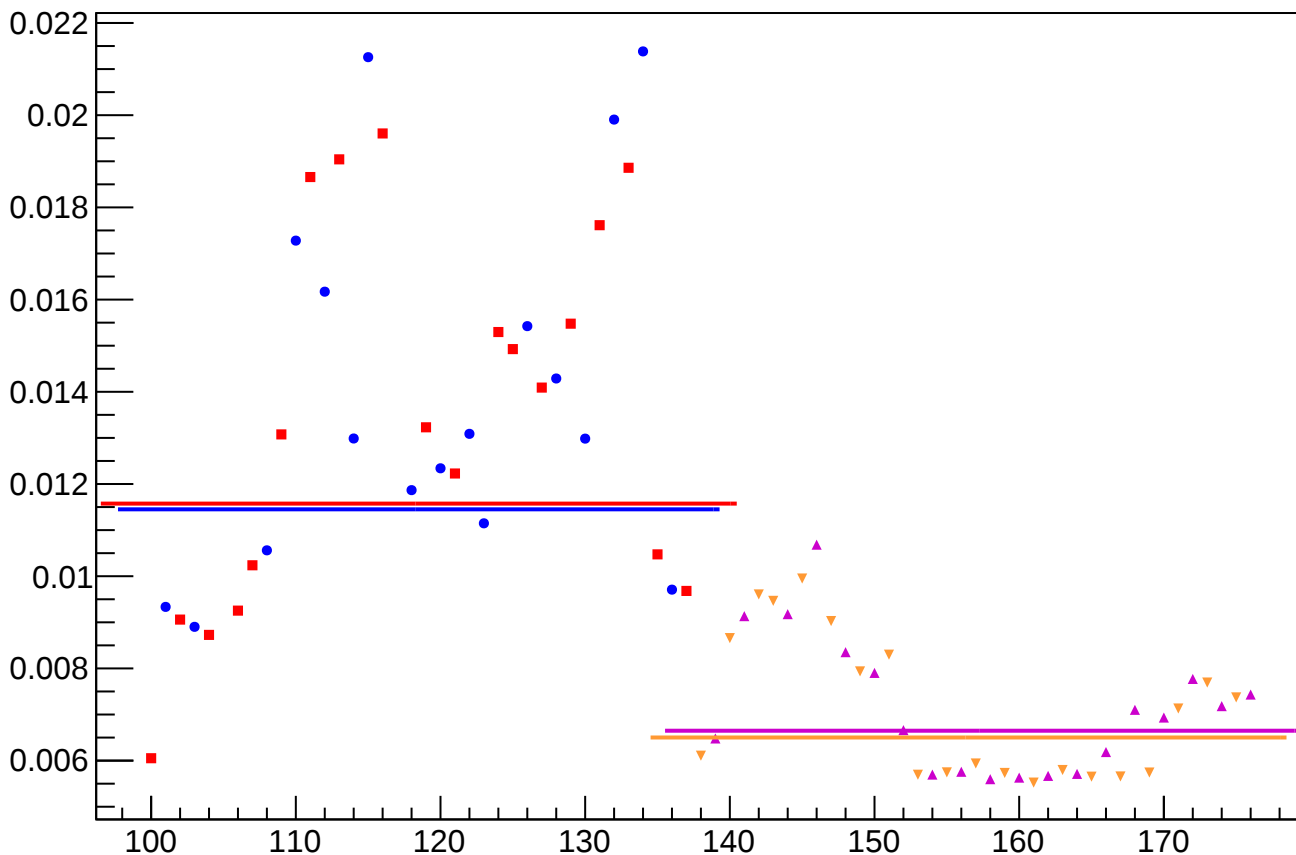
Left In: -0.069+/-0.000 χ^2/NDF : 14230751708.1/18

+ sign -0.045+/-0.000 χ^2/NDF : 19366402843.2/36

All: -0.053+/-0.000 χ^2/NDF : 34988861297.0/37

- sign -0.061+/-0.000 χ^2/NDF : 15578844067.5/37

yield_bpm0r03Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 679628.0/16

Left Out: 0.007+/-0.000 χ^2/NDF :1002122.6/19

Right Out: 0.012+/-0.000 χ^2/NDF : 997161.1/18

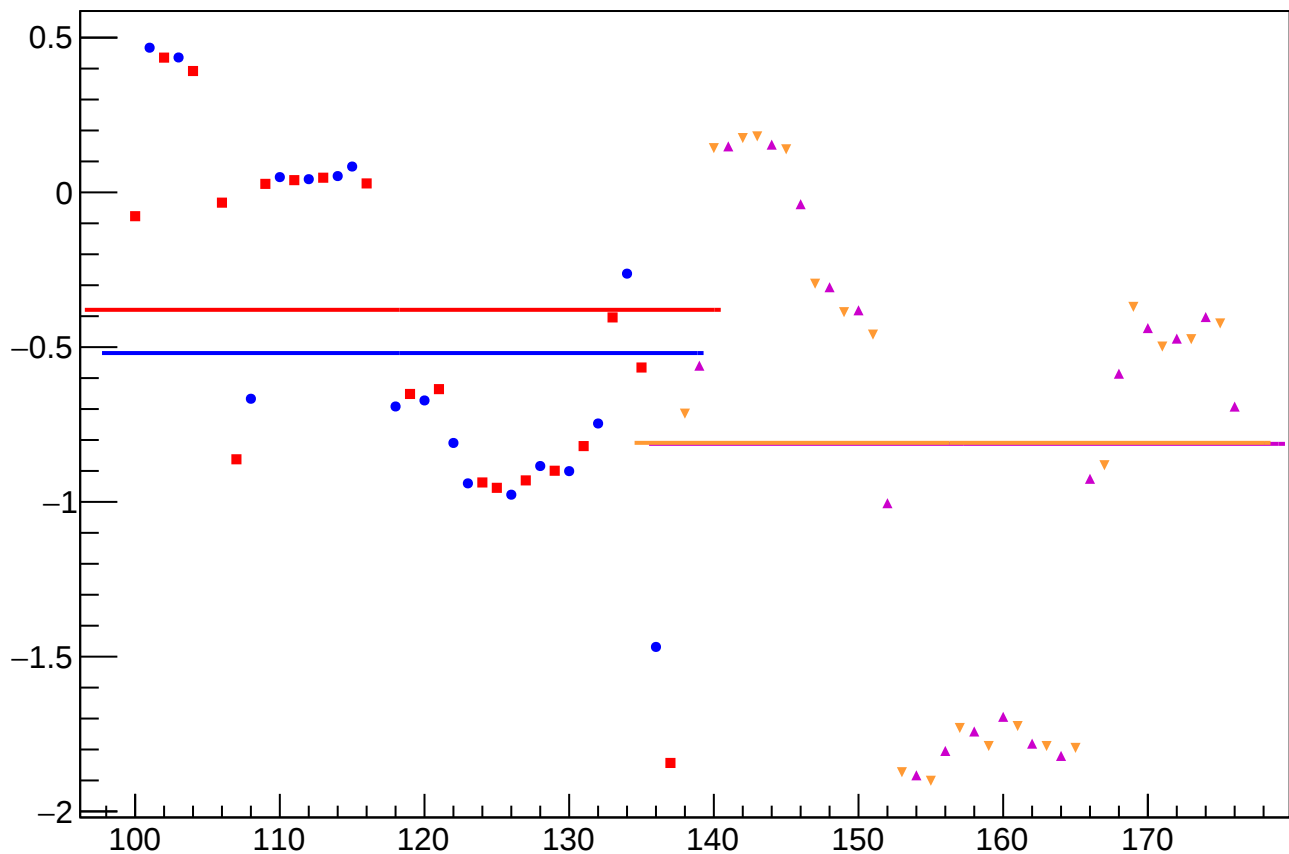
Left In: 0.007+/-0.000 χ^2/NDF :854388.2/18

+ sign 0.007+/-0.000 χ^2/NDF : 3573099.3/36

All: 0.007+/-0.000 χ^2/NDF : 7312266.7/74

- sign 0.007+/-0.000 χ^2/NDF : 3726833.9/37

yield_bpm0r05X_mean vs Slug



Right In: -0.519 ± 0.000 χ^2/NDF : 339383872.4/16

Left Out: -0.809 ± 0.000 χ^2/NDF : 1081657273.6/19

Right Out: -0.379 ± 0.000 χ^2/NDF : 268621179.0/18

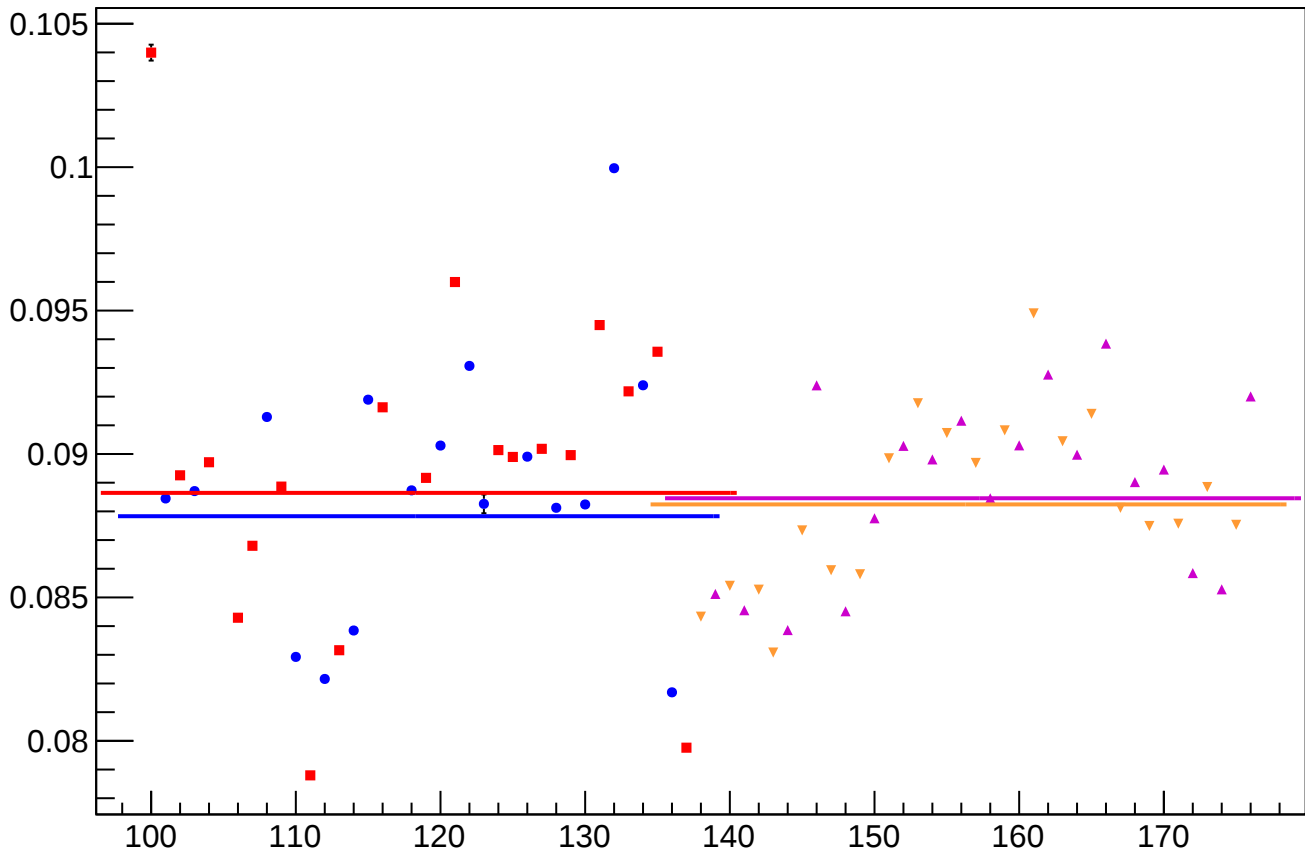
Left In: -0.812 ± 0.000 χ^2/NDF : 919114144.6/18

+ sign -0.719 ± 0.000 χ^2/NDF : 1471267812.7/36

All: -0.695 ± 0.000 χ^2/NDF : 2776114227.9/7

- sign -0.671 ± 0.000 χ^2/NDF : 1301644088.9/37

yield_bpm0r05X_rms vs Slug



Right In: 0.088 $\pm$ 0.000 χ^2 /NDF: 34954.4/16

Left Out: 0.088 $\pm$ 0.000 χ^2 /NDF:29794.3/19

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 39722.9/18

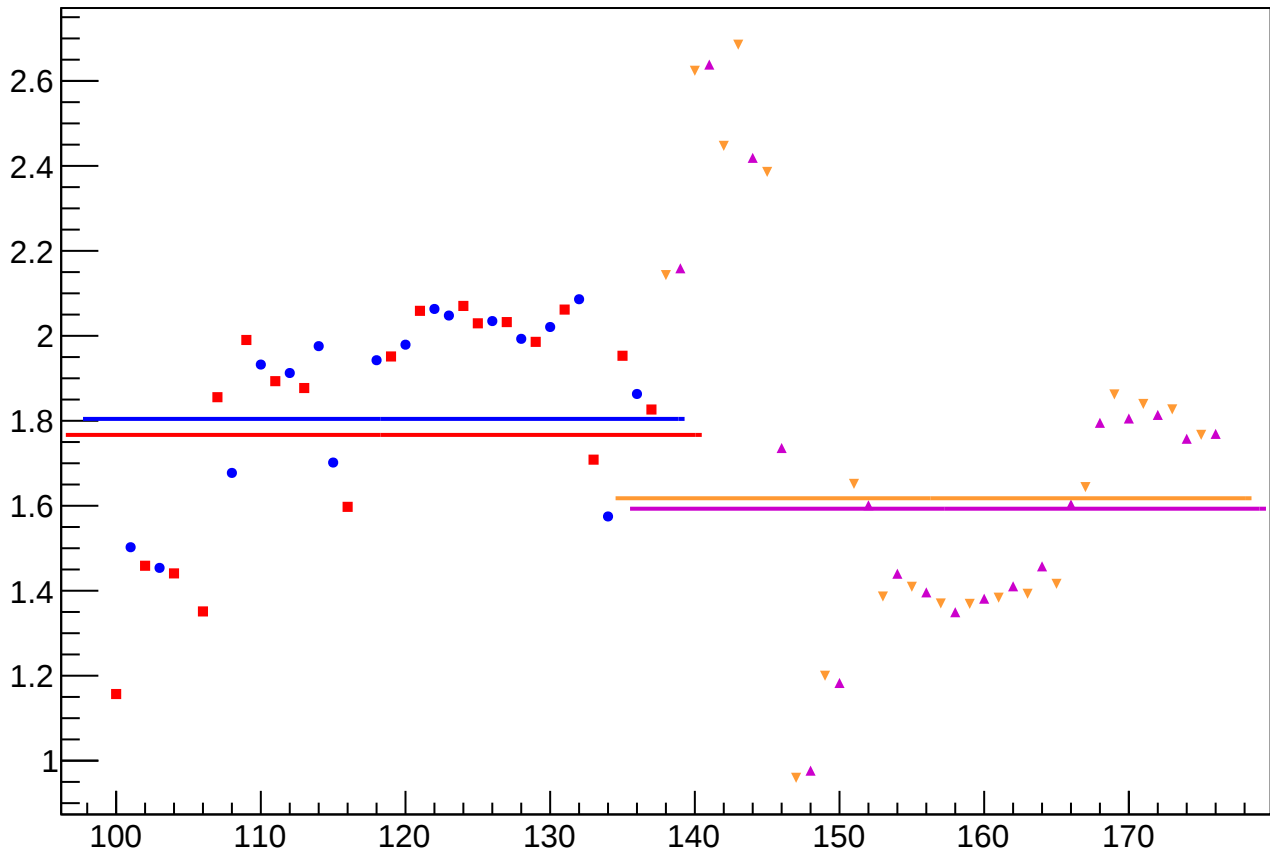
Left In: 0.088 $\pm$ 0.000 χ^2 /NDF:33298.7/18

+ sign 0.088 $\pm$ 0.000 χ^2 /NDF: 64951.1/36

All: 0.088 $\pm$ 0.000 χ^2 /NDF: 138467.3/74

- sign 0.089 $\pm$ 0.000 χ^2 /NDF: 73064.2/37

yield_bpm0r05Y_mean vs Slug



Right In: 1.804+/-0.000 χ^2/NDF : 1156747883.2/16

Left Out: 1.618+/-0.000 χ^2/NDF : 25281612424.1/19

Right Out: 1.767+/-0.000 χ^2/NDF : 1709259284.5/18

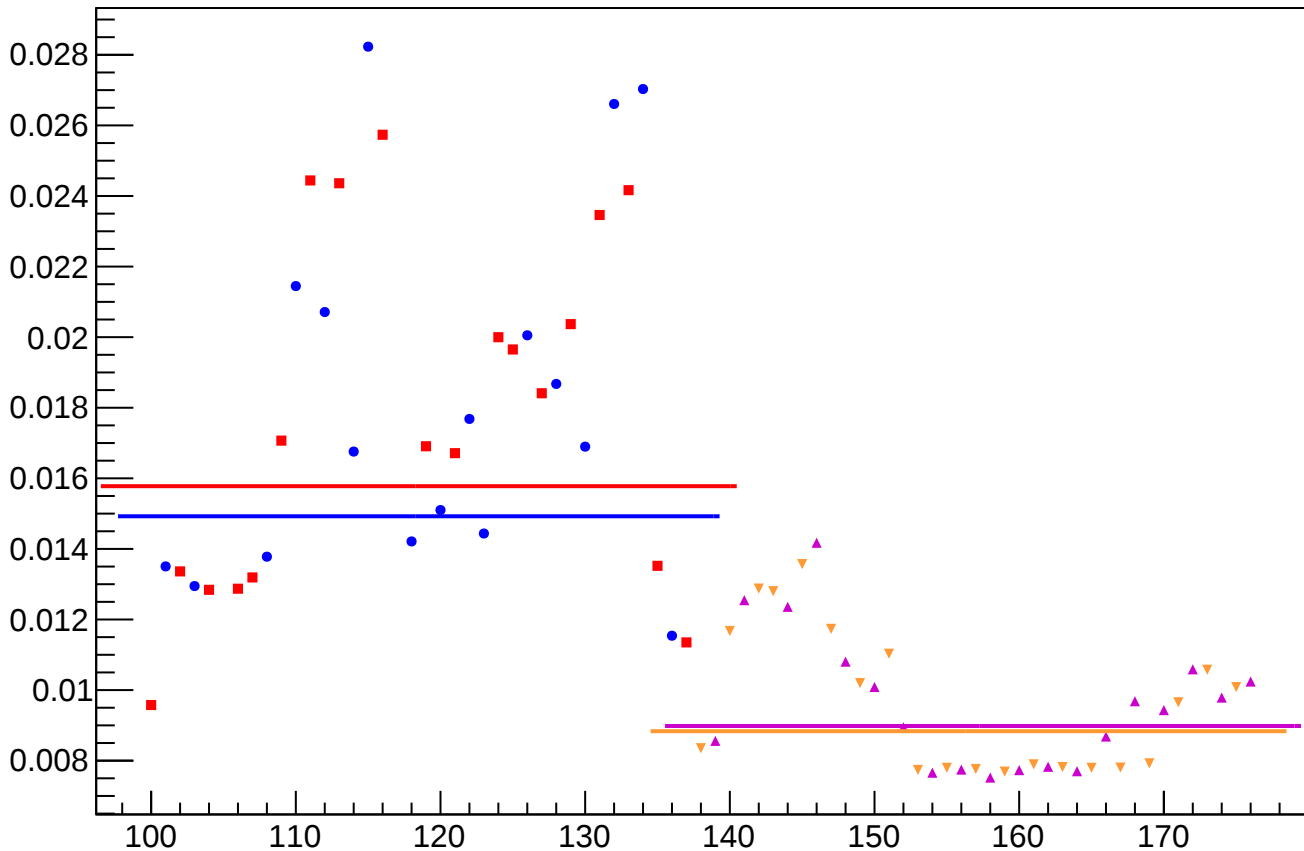
Left In: 1.593+/-0.000 χ^2/NDF : 19723908569.6/18

+ sign 1.641+/-0.000 χ^2/NDF : 27225146434.1/36

All: 1.629+/-0.000 χ^2/NDF : 49365734330.0/7

- sign 1.615+/-0.000 χ^2/NDF : 22072112824.3/37

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 :925277.0/19

Right Out: 0.016+/-0.000 χ^2/NDF : 786107.1/18

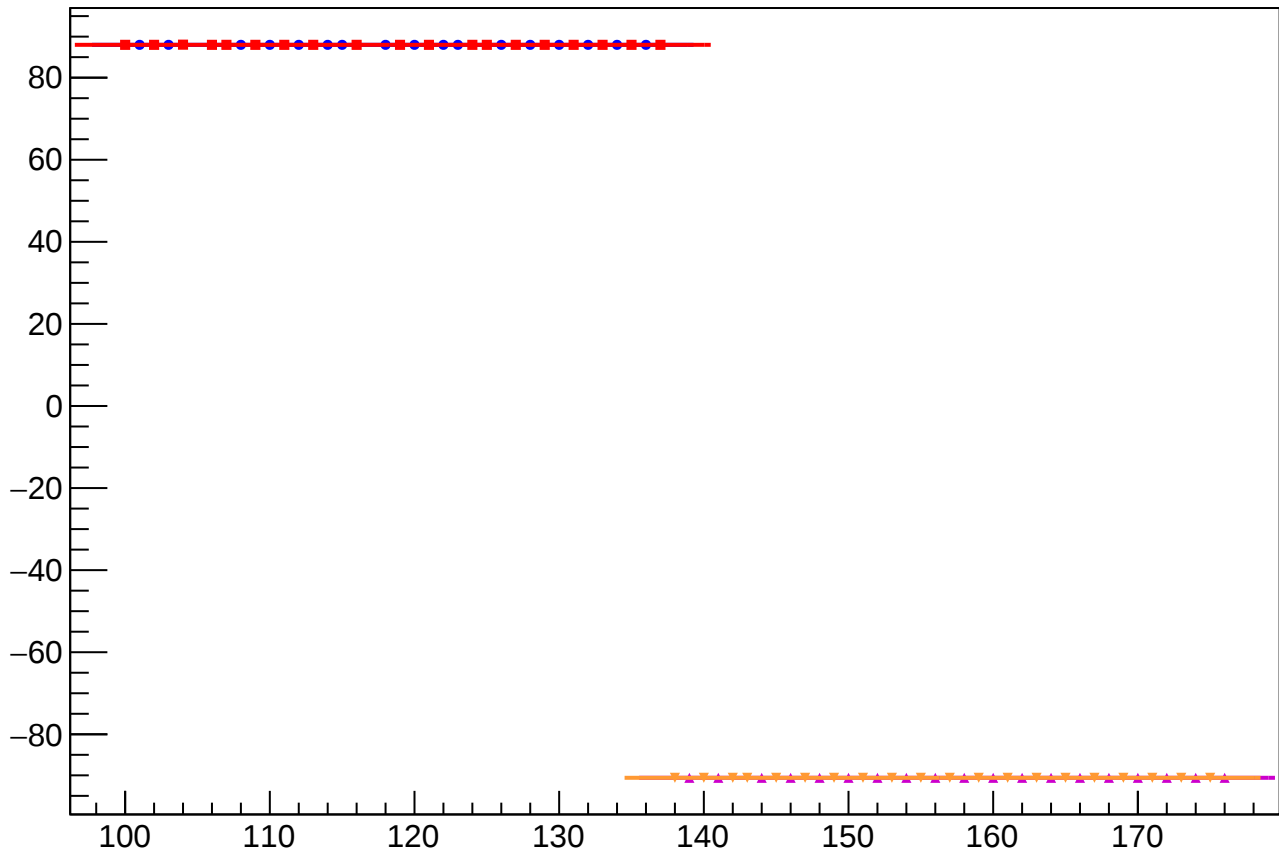
Left In: 0.009+/-0.000 χ^2/NDF :814141.3/18

+ sign 0.010+/-0.000 χ^2/NDF : 3241418.9/36

All: 0.010+/-0.000 χ^2/NDF : 6807721.5/74

- sign 0.010+/-0.000 χ^2/NDF : 3555495.7/37

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: 5932032.1/19

Right Out: 88.004 $\pm$ 0.000 χ^2 /NDF: 77545892857504626270604886016.0/18

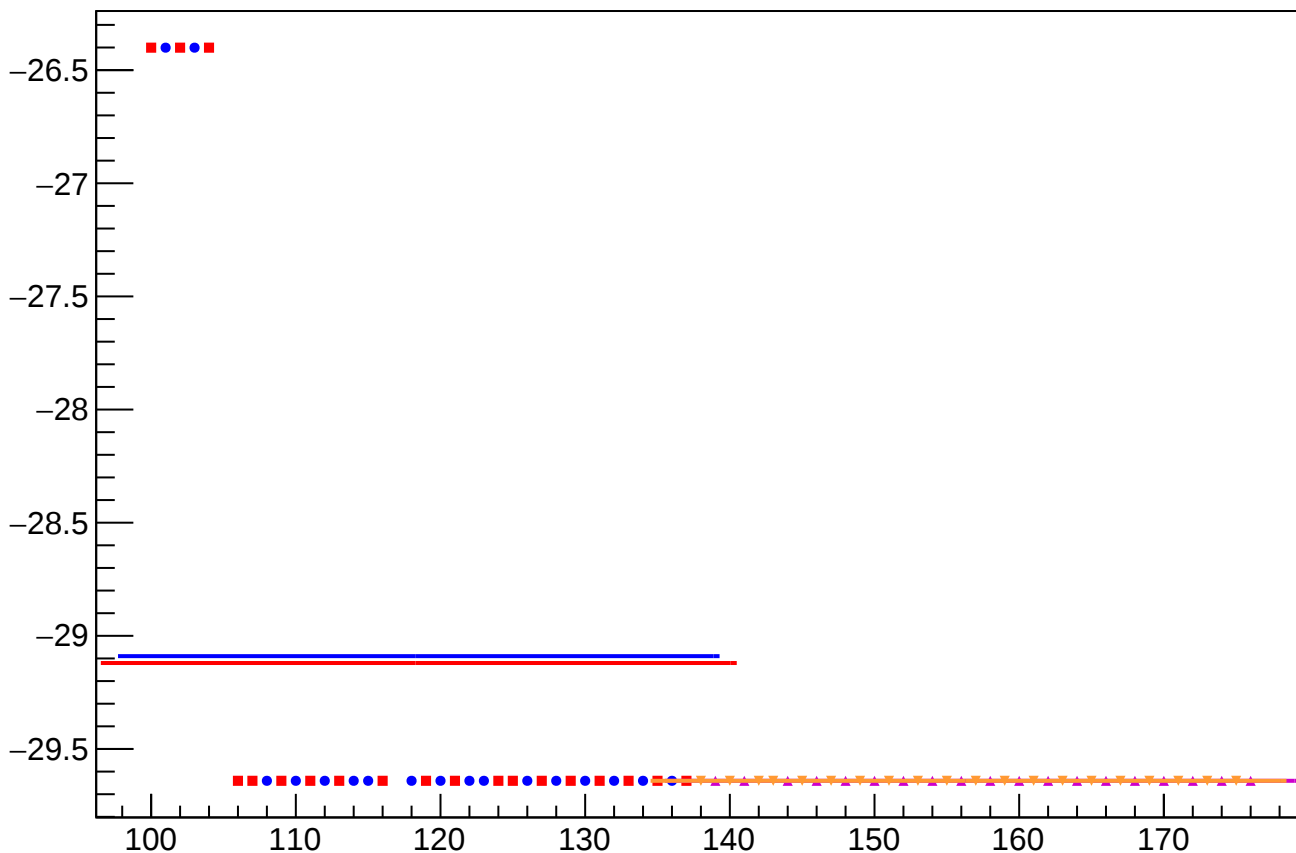
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 5460280.6/18

+ sign -35.388 $\pm$ 0.000 χ^2 /NDF: 152938854148062

All: -34.186 $\pm$ 0.000 χ^2 /NDF: 309014092464

- sign -32.980 $\pm$ 0.000 χ^2 /NDF: 1560102465226938

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 : 226636.6/19

Right Out: -29.120+/-0.000 χ^2/NDF : 1022076578393359839206130891882496.0/18

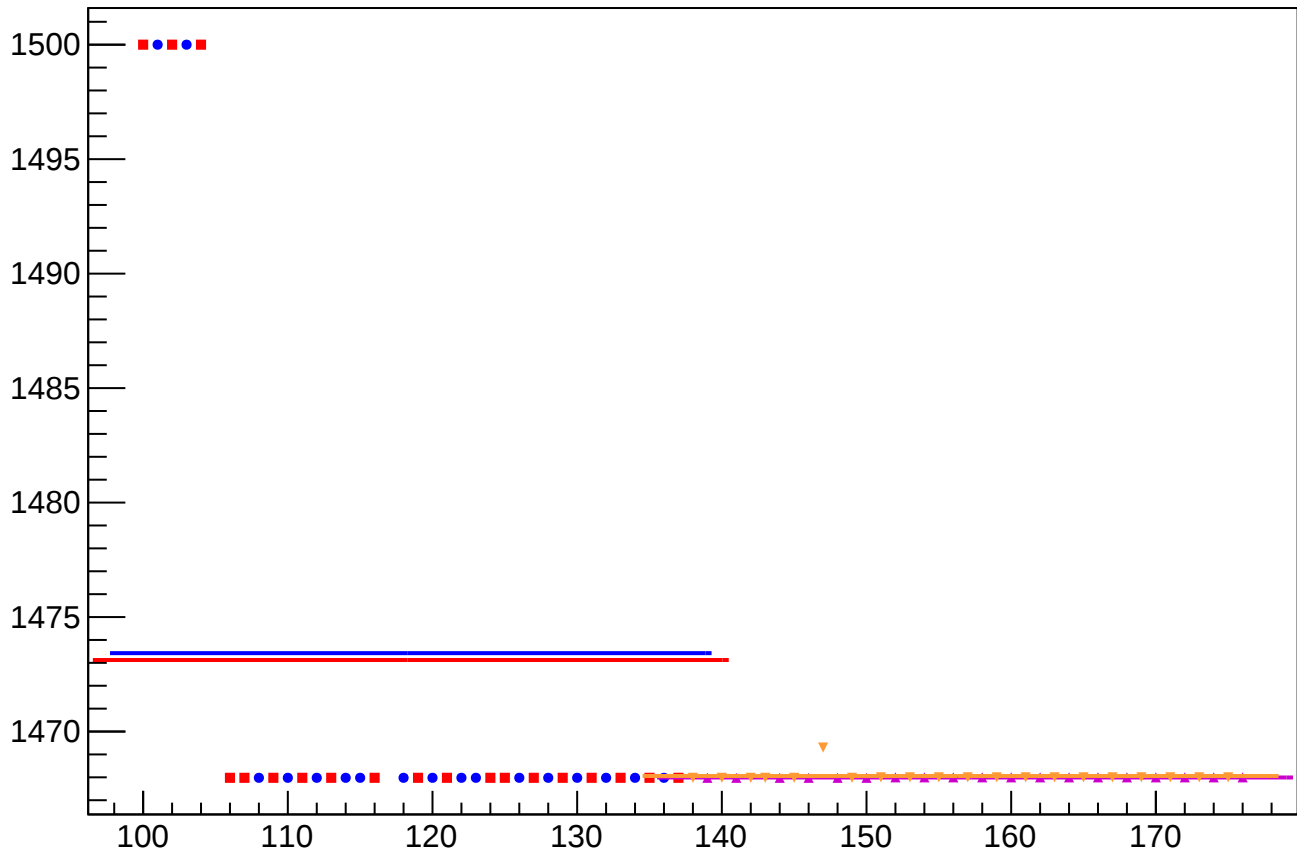
Left In: -29.641+/-0.000 χ^2/NDF : 159387.8/18

+ sign -29.470+/-0.000 χ^2/NDF : 117360830004452

All: -29.472+/-0.000 χ^2/NDF : 232821921962

- sign -29.473+/-0.000 χ^2/NDF : 1154604662734561

epics_psub_pl_poss_mean vs Slug



Right In: 1473.424+/-0.000 χ^2/NDF : 100421295828245505125784497044848640.0/16

Left Out: 1468.059+/-0.000 χ^2/NDF : 126891306721397132257831331823616.0/19

Right Out: 1473.124+/-0.000 χ^2/NDF : 99833021788859785886082809393577984.0/18

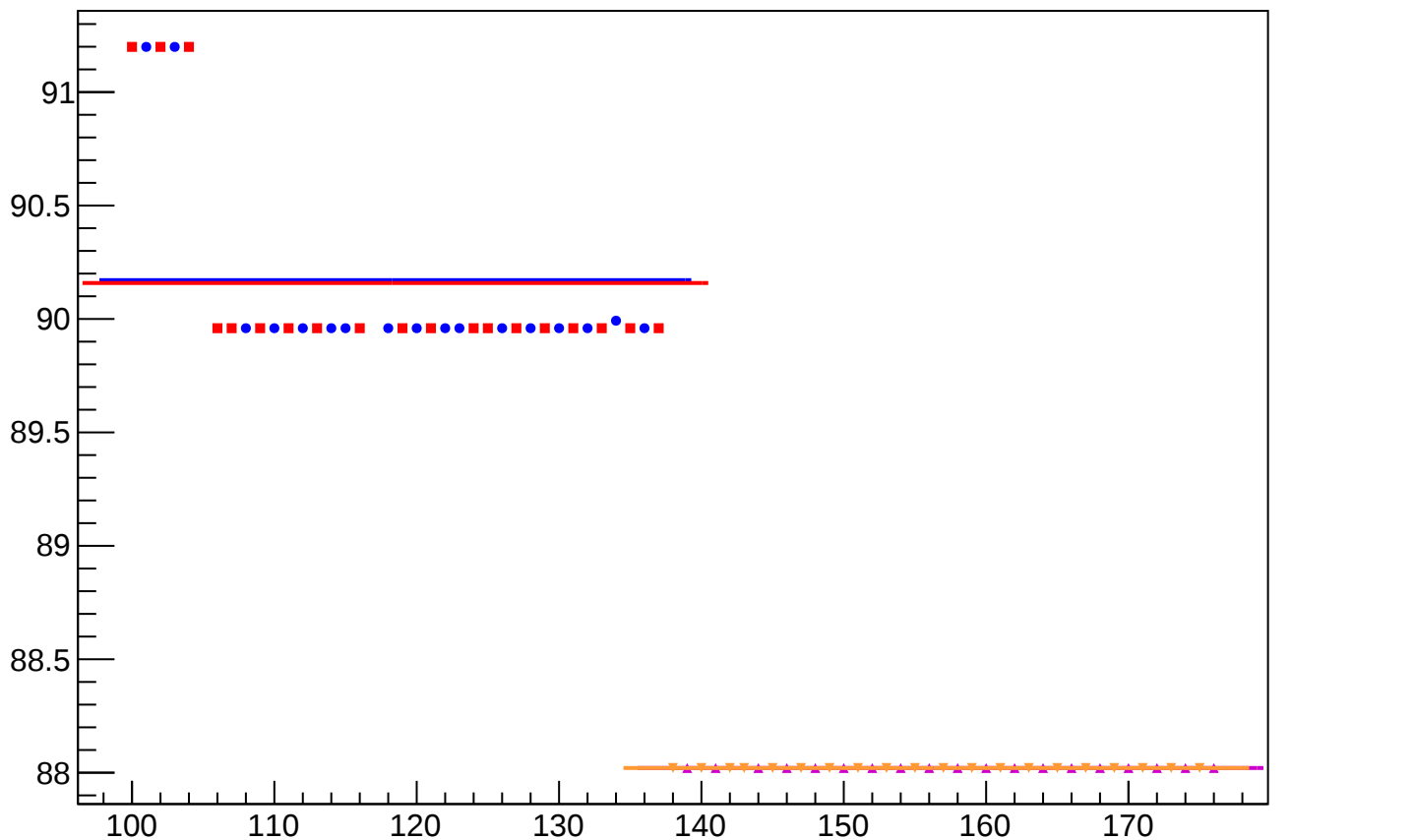
Left In: 1467.993+/-0.000 χ^2/NDF : 134172823188822308703673778176.0/18

+ sign 1469.718+/-0.000 χ^2/NDF : 11434723837958

All: 1469.683+/-0.000 χ^2/NDF : 22706340113

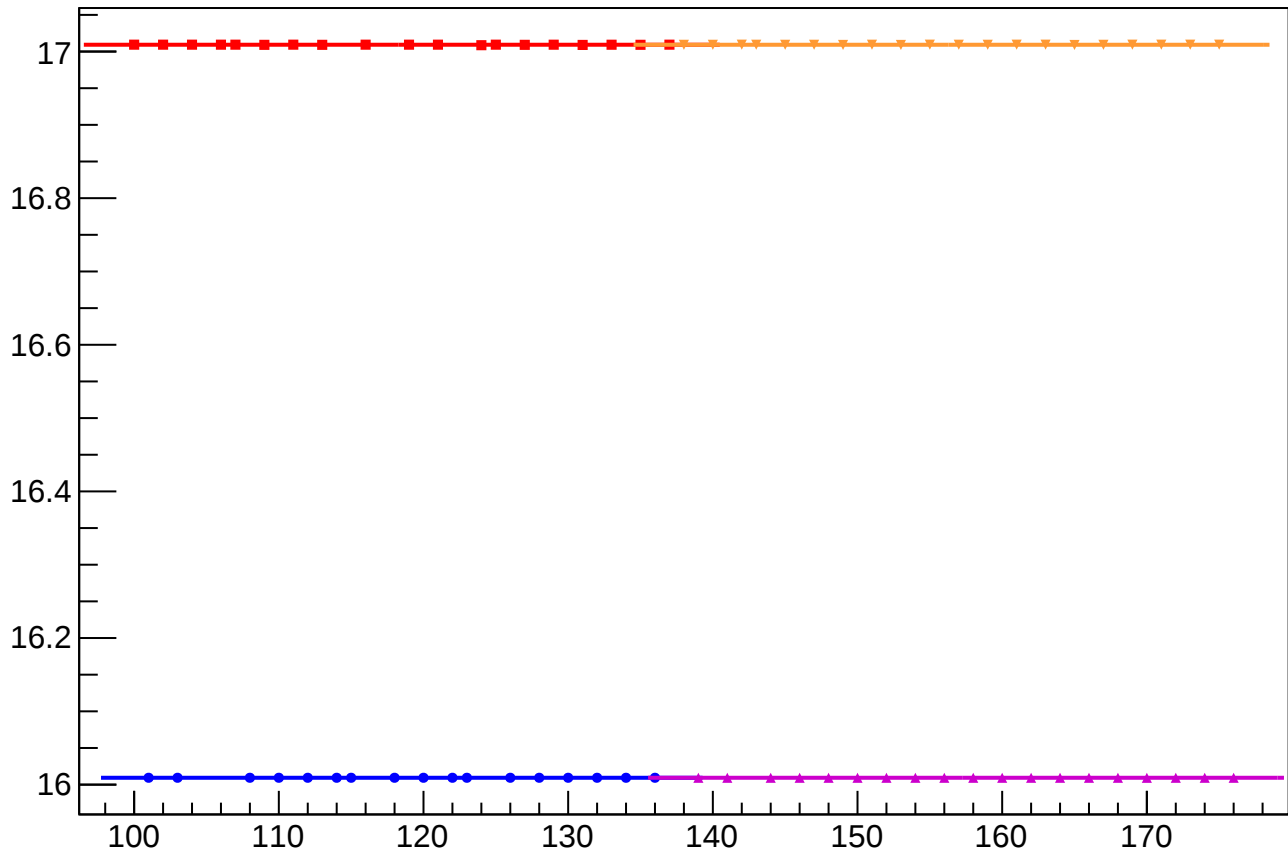
- sign 1469.648+/-0.000 χ^2/NDF : 11271075851508

epics_Phi_FGs_mean vs Slug



Right In: 90.171 $\pm$ 0.000 χ^2 /NDF: 150316905454500935857801185460224.0/16
 Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 4681163.7/19
 Right Out: 90.159 $\pm$ 0.000 χ^2 /NDF: 149705165651000025160777180643328.0/18
 Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 5343756.4/18
 + sign 88.685 $\pm$ 0.000 χ^2 /NDF: 2367519370712803
 All: 88.698 $\pm$ 0.000 χ^2 /NDF: 4753127655114
 - sign 88.710 $\pm$ 0.000 χ^2 /NDF: 2384912567904307

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 ± 0.000 $\chi^2/\text{NDF}: 44327.7/16$

Left Out: 17.009 ± 0.000 $\chi^2/\text{NDF}: 23069002005628370915688448.0/19$

Right Out: 17.009 ± 0.000 $\chi^2/\text{NDF}: 12516014336037541461884928.0/18$

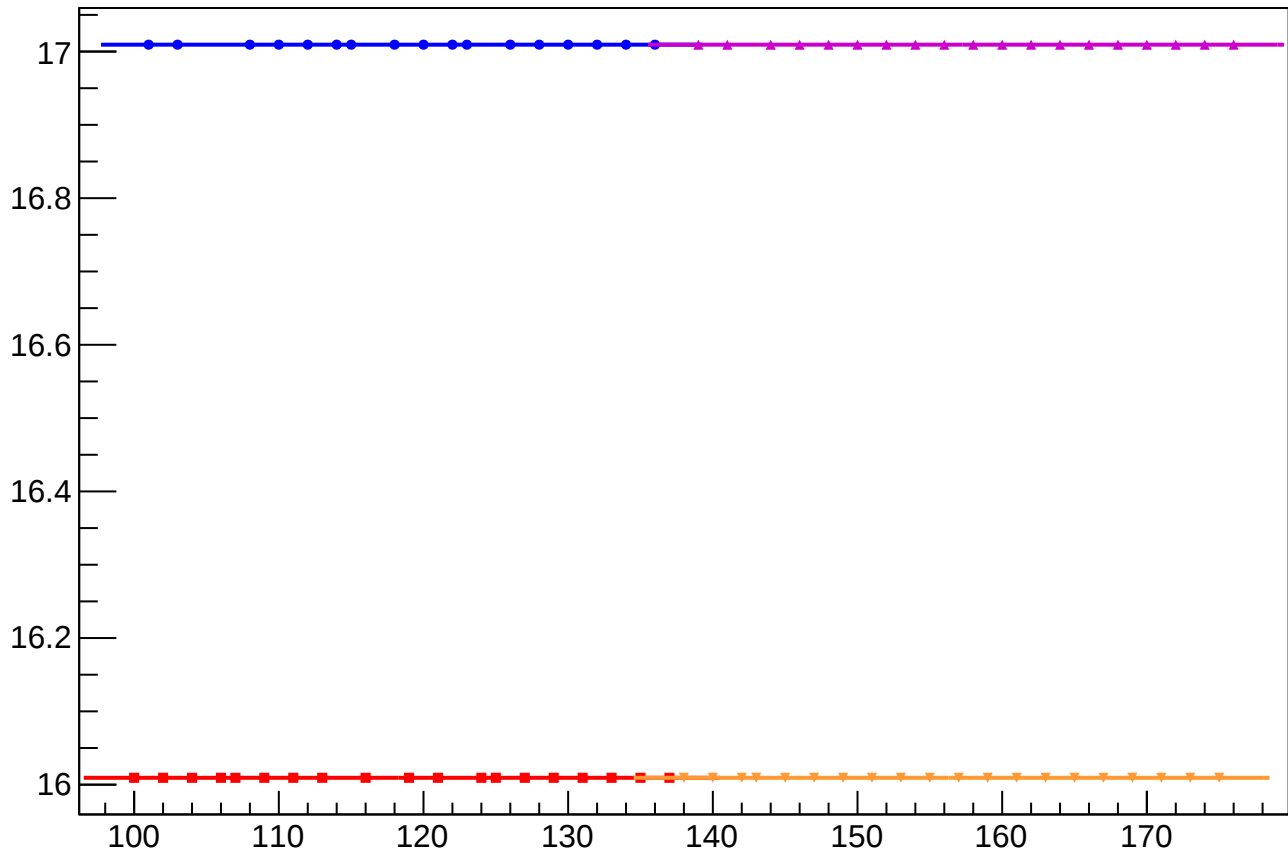
Left In: 16.009 ± 0.000 $\chi^2/\text{NDF}: 126869302310193420304384.0/18$

+ sign 16.693 ± 0.000 $\chi^2/\text{NDF}: 4527086897337731$

All: 16.511 ± 0.000 $\chi^2/\text{NDF}: 1040519950956$

- sign 16.326 ± 0.000 $\chi^2/\text{NDF}: 4470948783370801$

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: 91520.5/19

Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 39518.8/18

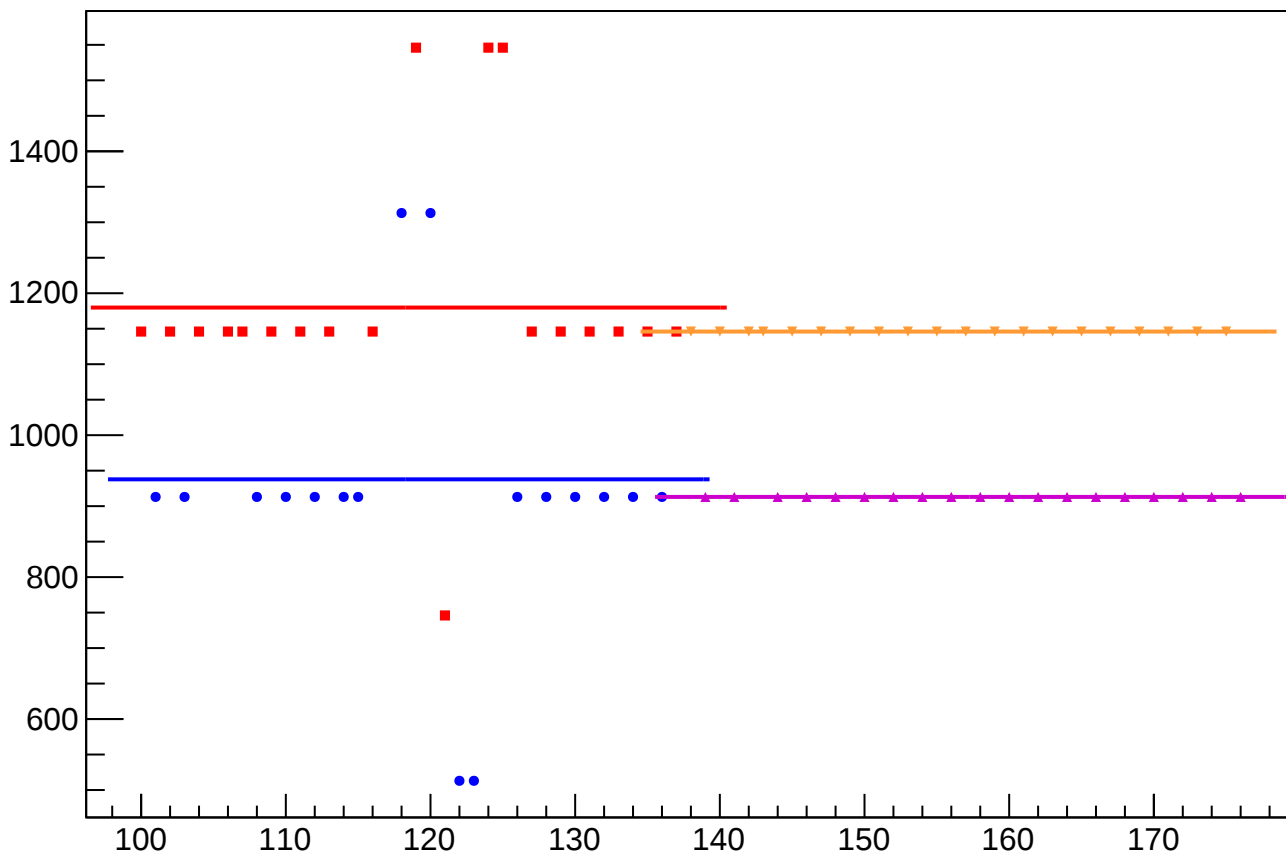
Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 113964876343063642898432.0/18

+ sign 16.312 $\pm$ 0.000 χ^2 /NDF: 4617971676564576

All: 16.498 $\pm$ 0.000 χ^2 /NDF: 1095426548361

- sign 16.684 $\pm$ 0.000 χ^2 /NDF: 4820936362208567

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 937.779+/-0.000 χ^2/NDF : 20855047225839389243005638100272545792.0/16

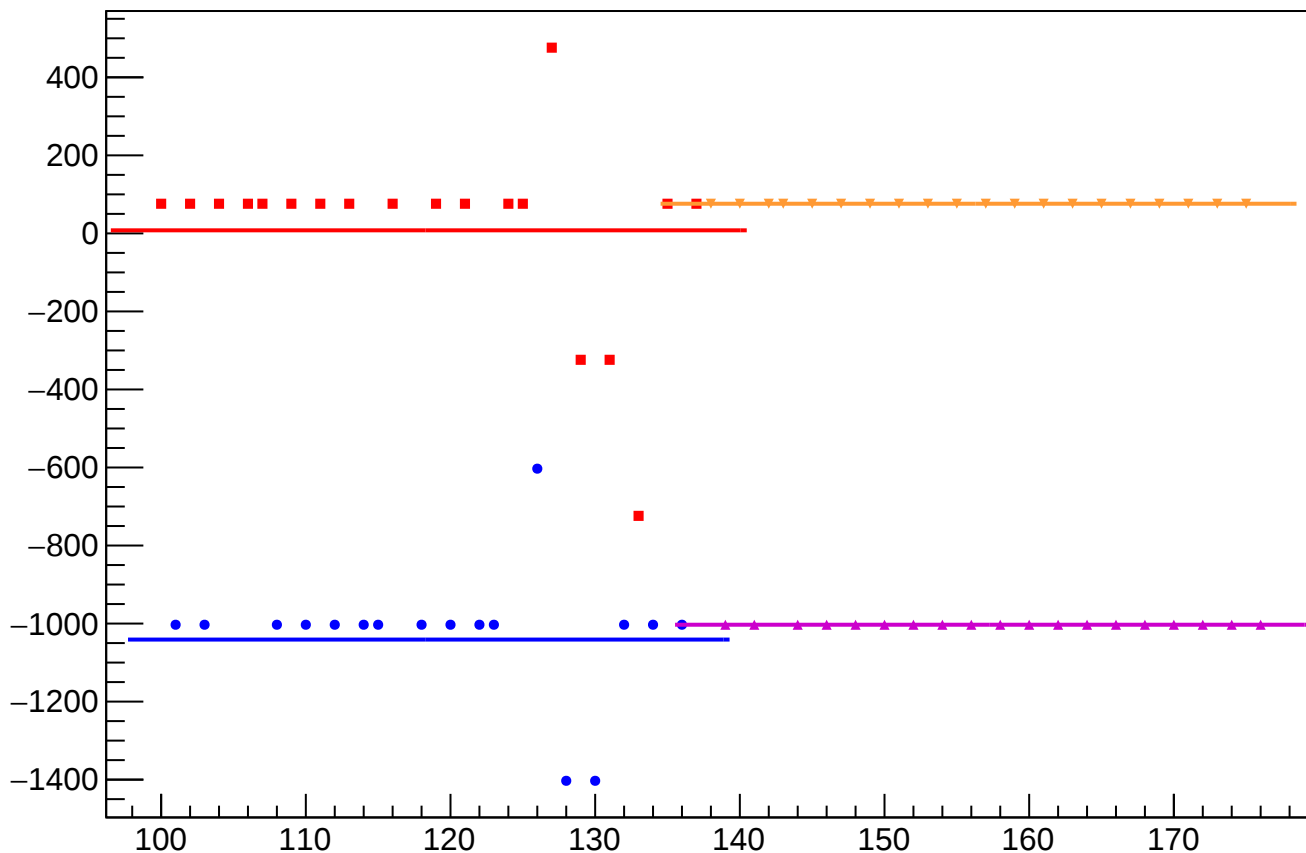
Left Out: 1146.011+/-0.000 χ^2/NDF : 4724563426576791584603373568.0/19

Right Out: 1179.805+/-0.000 χ^2/NDF : 21416114436530132796905703778824486912.0/18

Left In: 912.995+/-0.000 χ^2/NDF : 24371317349658929596402237440.0/18

All: 1040.420+/-0.000 χ^2/NDF : 10551794918.0/18

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 : 10538331205992568207813115904.0/19 + sign -269.301+/-0.000 χ^2/NDF : 62093952649137

Right Out: 7.865+/-0.000 χ^2/NDF : 43846919472163570410830042713366200320.0/18 All: -472.772+/-0.000 χ^2/NDF : 13507151763

Left In: -1002.990+/-0.000 χ^2/NDF : 2290209791729334035144507392.0/18 - sign -676.878+/-0.000 χ^2/NDF : 543598031535062