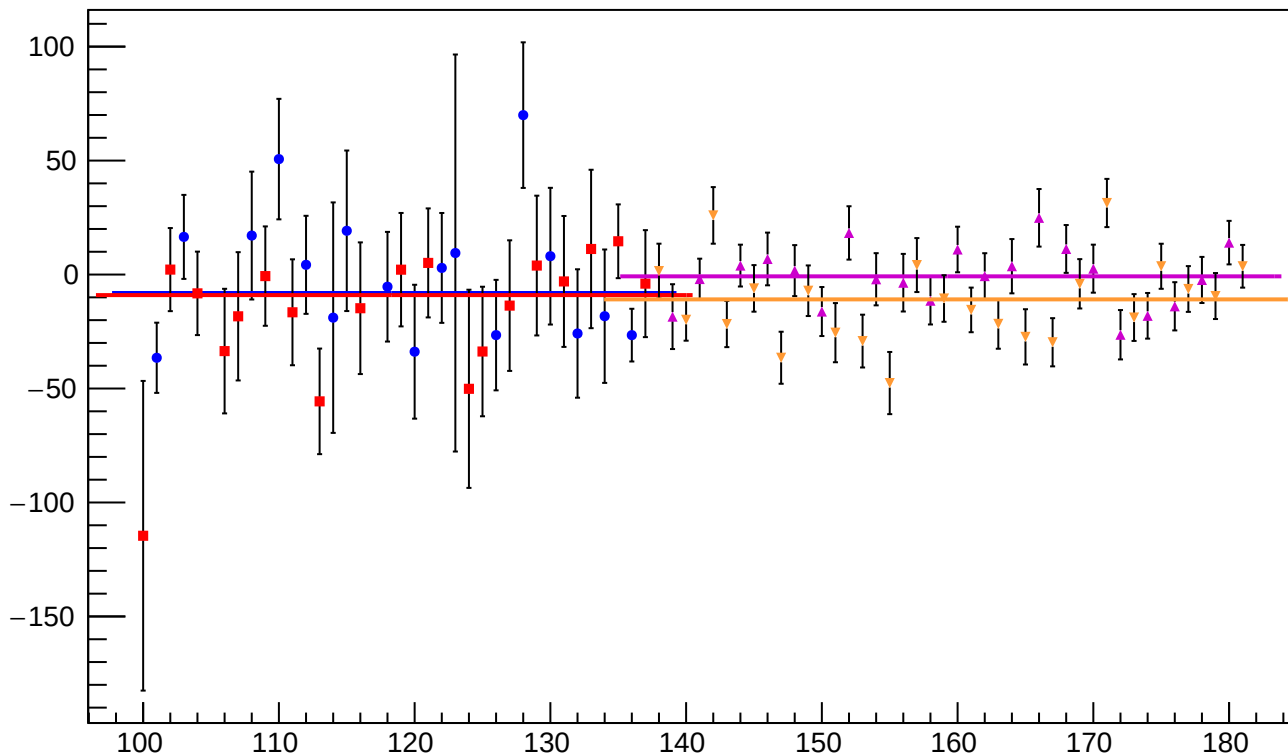


diff_bpm4aX_mean vs Slug



Right In: -8.097 ± 5.619

χ^2/NDF : 22.9/16

Left Out: -10.892 ± 2.243

χ^2/NDF : 57.9/22

Right Out: -9.015 ± 5.687

χ^2/NDF : 13.0/18

Left In: -0.783 ± 2.335

χ^2/NDF : 27.8/20

+ sign -10.508 ± 2.083

χ^2/NDF : 81.0/39

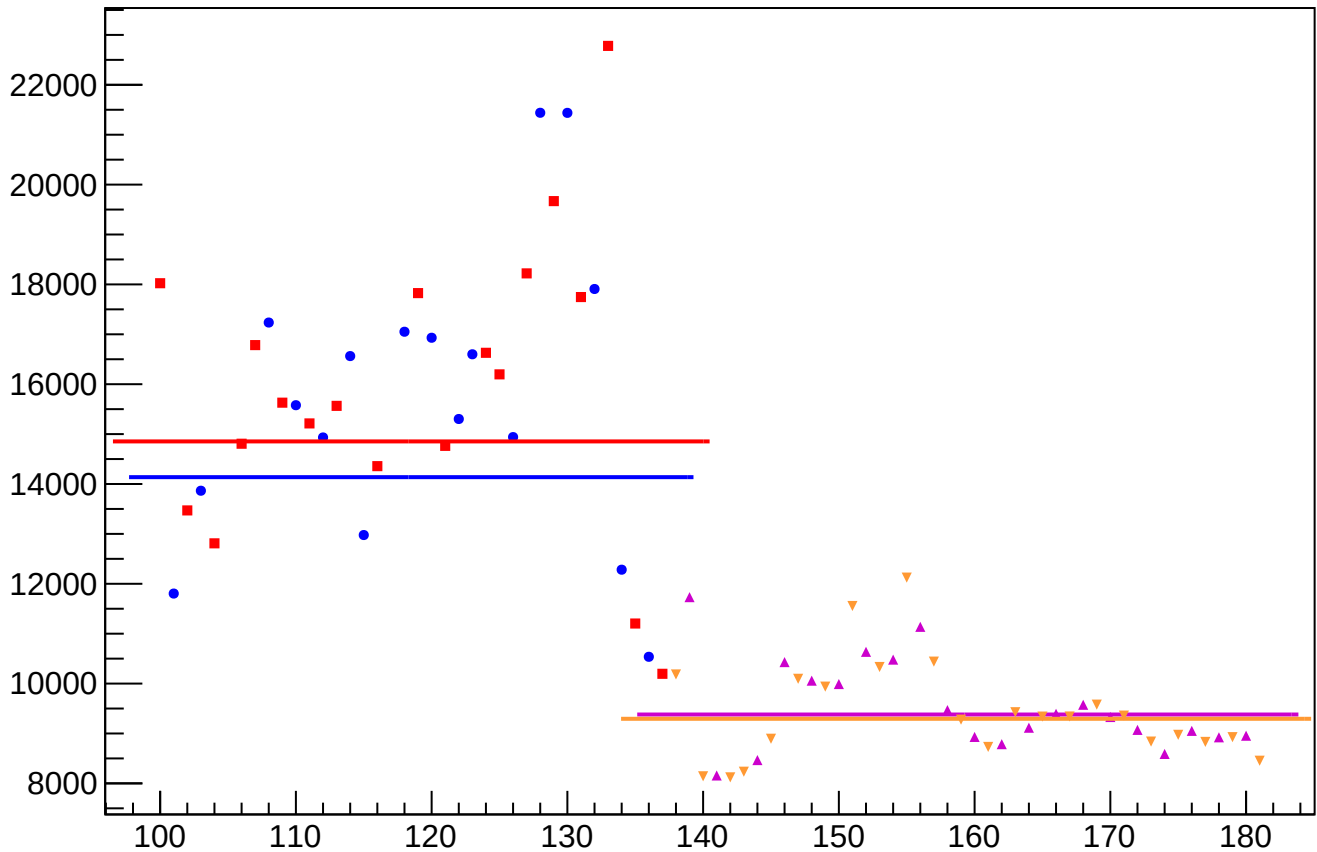
All: -6.394 ± 1.500

χ^2/NDF : 131.6/79

- sign -1.971 ± 2.160

χ^2/NDF : 42.6/39

diff_bpm4aX_rms vs Slug



Right In: 14137.038+/-3.974 χ^2/NDF : 603041.9/16

Left Out: 9294.282+/-1.586 χ^2/NDF : 320941.7/22

Right Out: 14853.365+/-4.022 χ^2/NDF : 473842.5/18

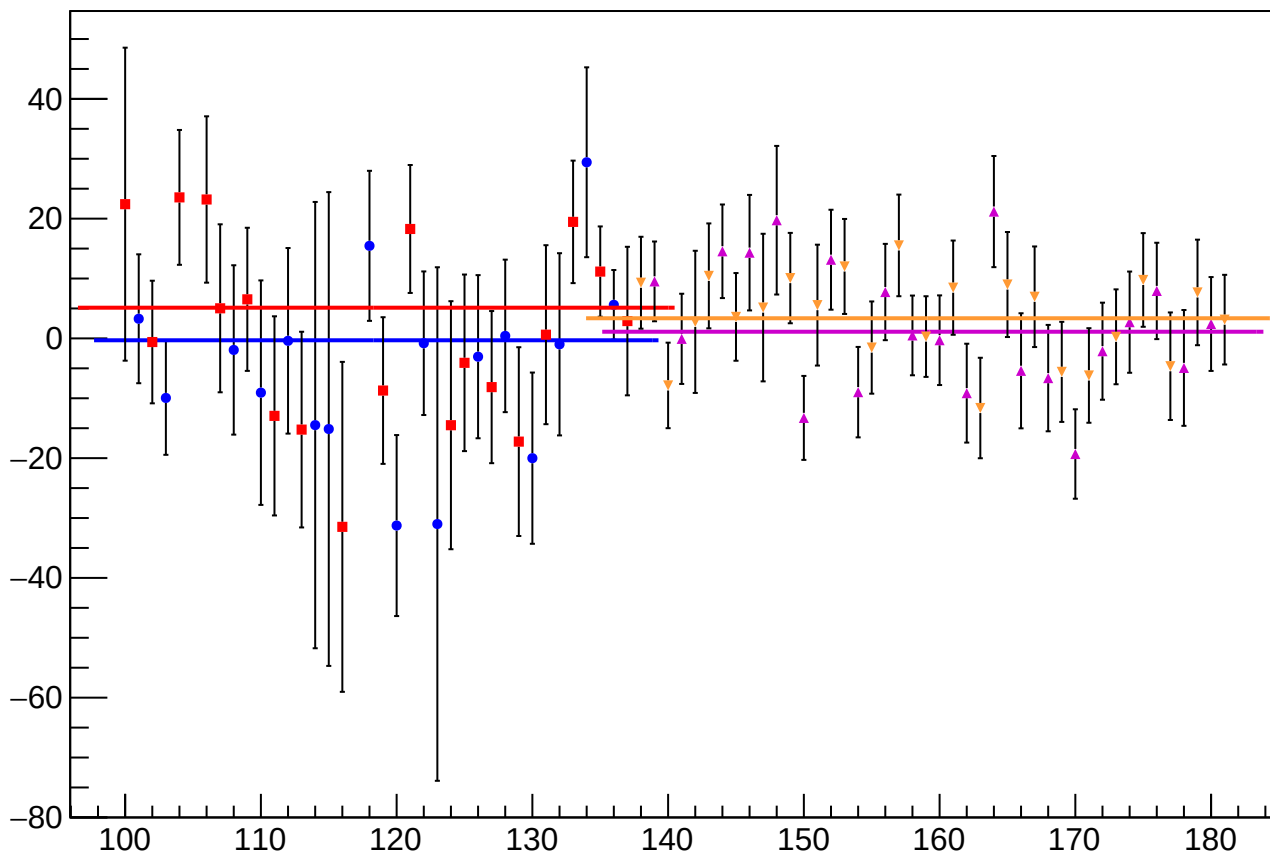
Left In: 9379.975+/-1.651 χ^2/NDF : 259474.0/20

+ sign 9959.804+/-1.473 χ^2/NDF : 2205188.1/39

All: 10060.889+/-1.060 χ^2/NDF : 4533429.6/7

- sign 10169.578+/-1.527 χ^2/NDF : 2318469.1/39

diff_bpm4aY_mean vs Slug



Right In: -0.315 ± 3.077 χ^2/NDF : 14.4/16

Left Out: 3.363 ± 1.712 χ^2/NDF : 17.1/22

Right Out: 5.127 ± 2.942 χ^2/NDF : 19.5/18

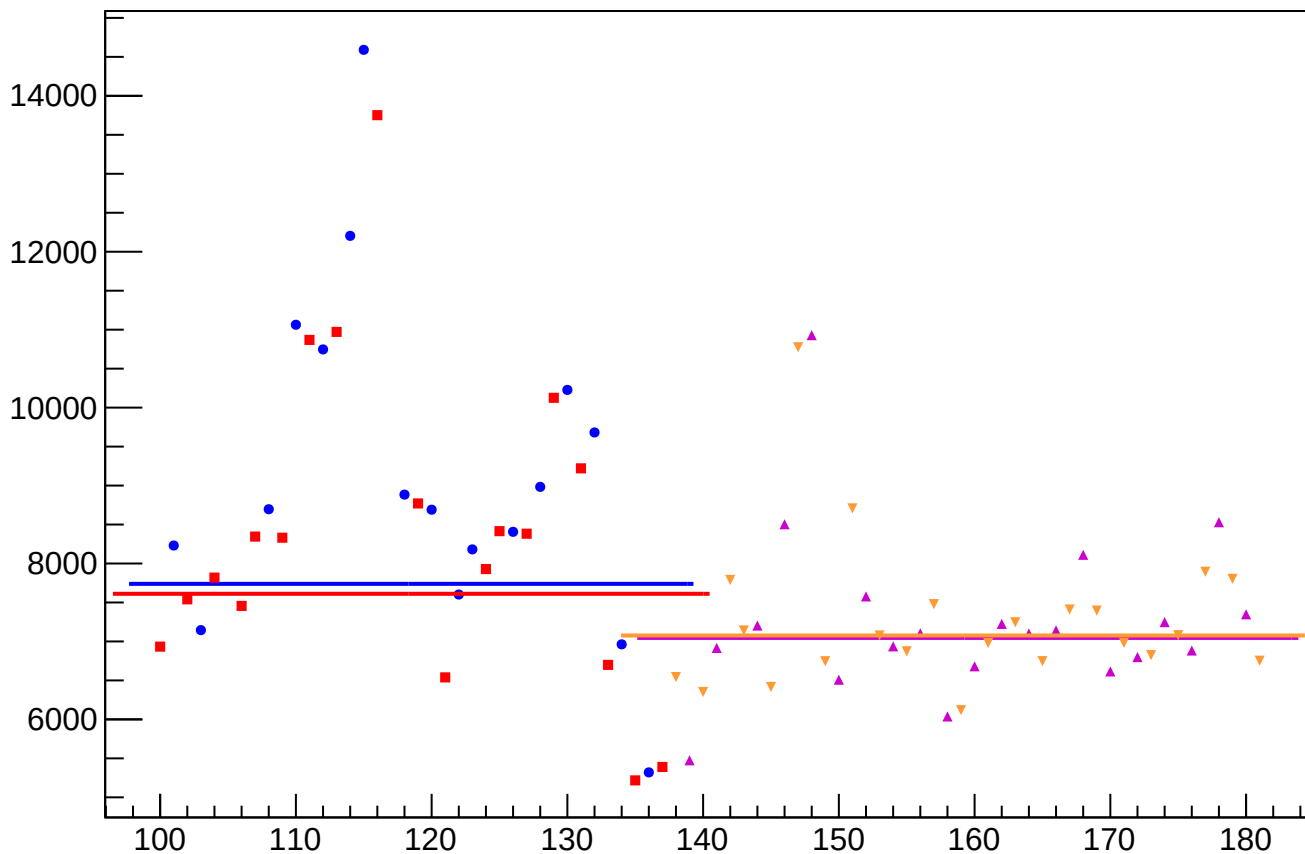
Left In: 1.113 ± 1.764 χ^2/NDF : 33.7/20

+ sign 2.494 ± 1.496 χ^2/NDF : 32.6/39

All: 2.336 ± 1.064 χ^2/NDF : 87.3/79

- sign 2.175 ± 1.513 χ^2/NDF : 54.6/39

diff_bpm4aY_rms vs Slug



Right In: 7738.934+/-2.176 χ^2/NDF : 740969.1/16

Left Out: 7076.653+/-1.210 χ^2/NDF : 382538.9/22

Right Out: 7611.390+/-2.080 χ^2/NDF : 683263.4/18

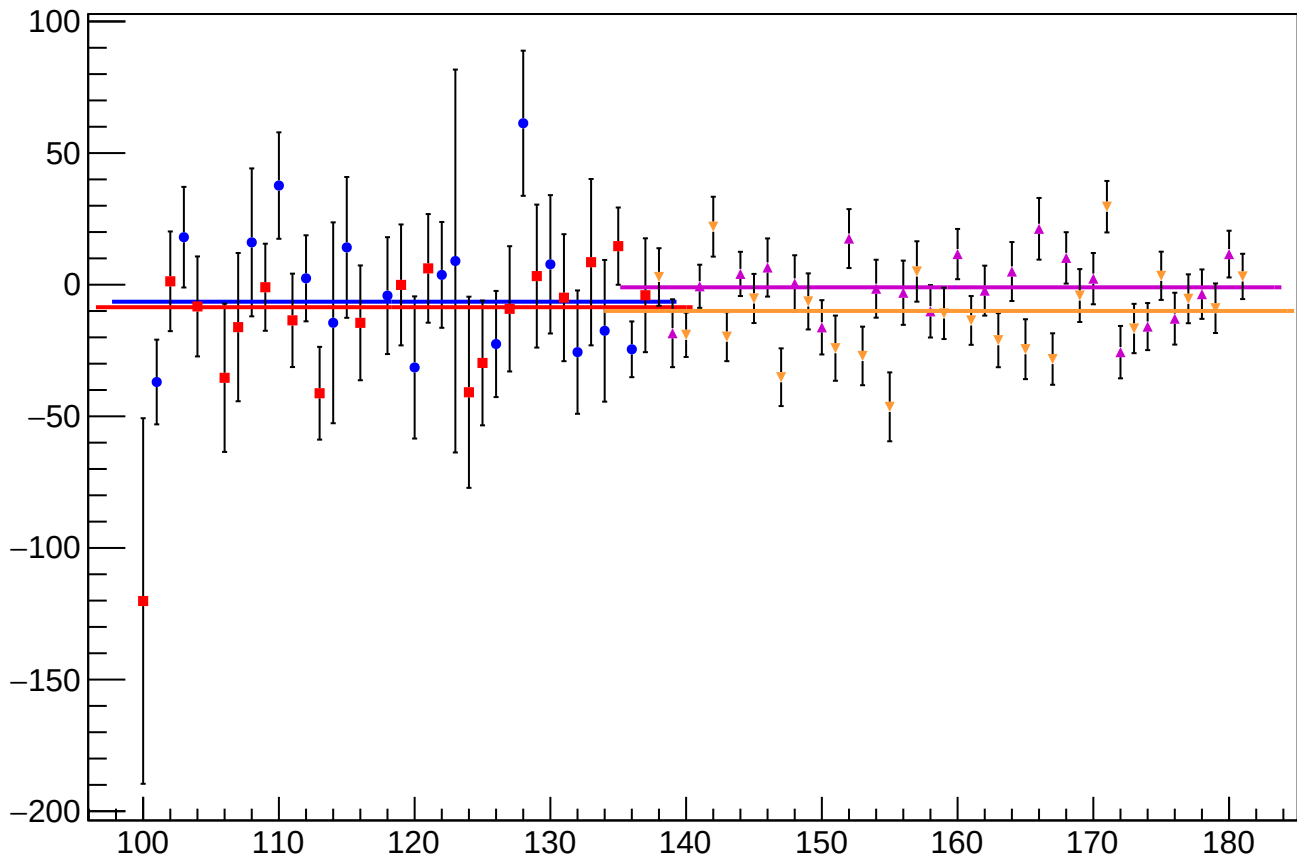
Left In: 7045.125+/-1.248 χ^2/NDF : 515592.9/20

+ sign 7233.195+/-1.058 χ^2/NDF : 1194268.9/39

All: 7214.279+/-0.752 χ^2/NDF : 2448263.3/79

- sign 7194.922+/-1.070 χ^2/NDF : 1253347.3/39

diff_bpm4eX_mean vs Slug



Right In: -6.463 ± 5.029 χ^2/NDF : 23.5/16

Left Out: -9.971 ± 2.093 χ^2/NDF : 58.7/22

Right Out: -8.548 ± 5.009 χ^2/NDF : 12.9/18

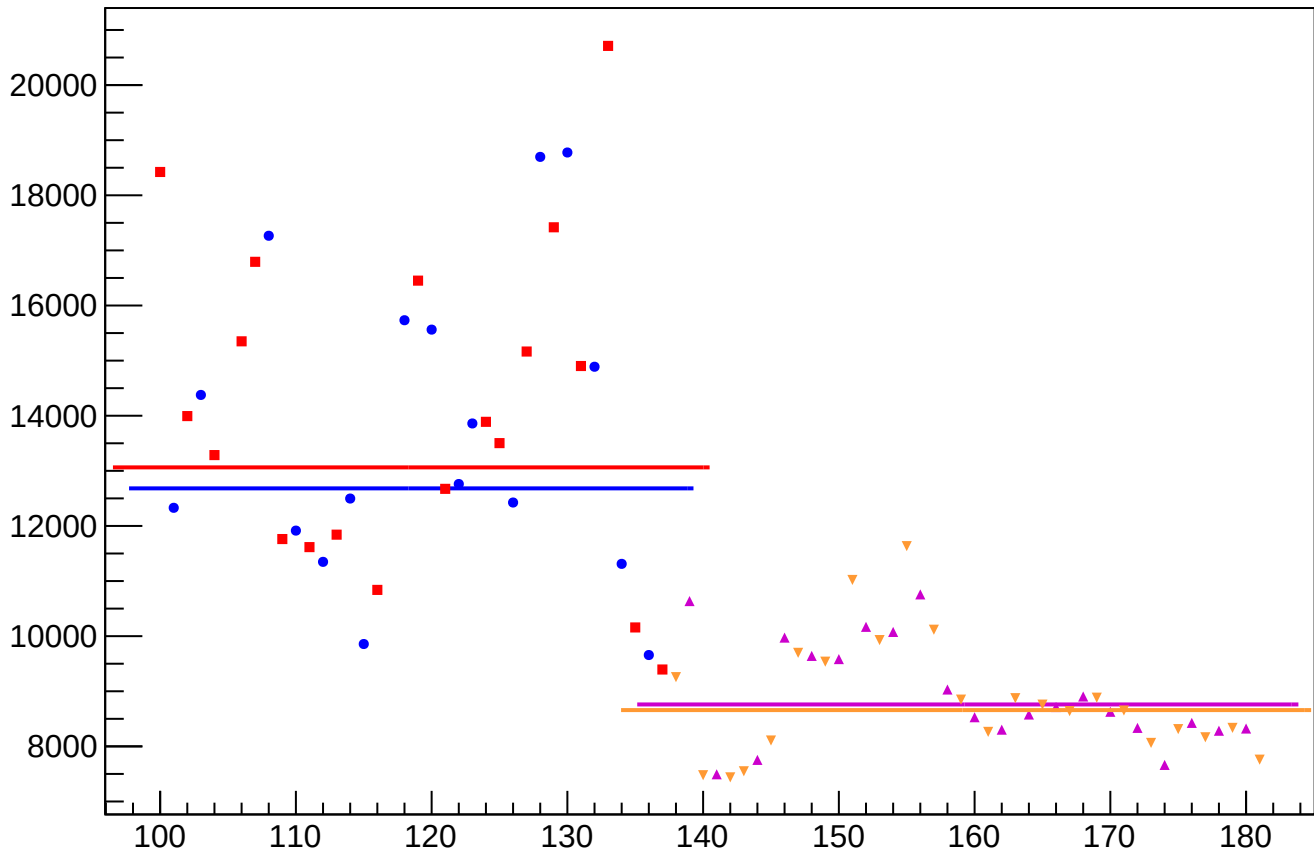
Left In: -0.989 ± 2.184 χ^2/NDF : 28.0/20

+ sign -9.453 ± 1.932 χ^2/NDF : 82.6/39

All: -5.953 ± 1.390 χ^2/NDF : 132.3/79

- sign -2.196 ± 2.002 χ^2/NDF : 42.8/39

diff_bpm4eX_rms vs Slug



Right In: 12681.868+/-3.556 χ^2/NDF : 558641.1/16

Left Out: 8658.390+/-1.480 χ^2/NDF : 417254.1/22

+ sign 9252.356+/-1.366 χ^2/NDF : 2067298.0/39

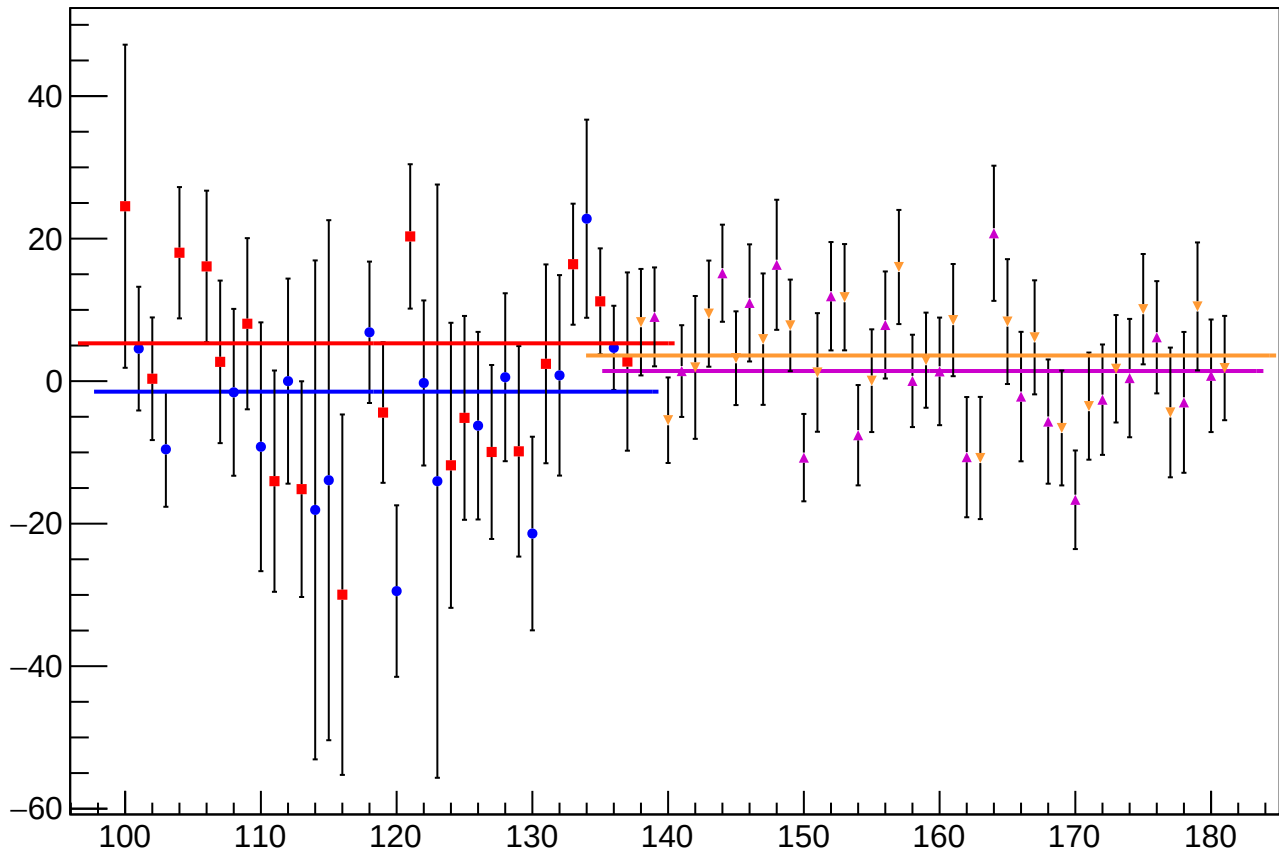
Right Out: 13062.676+/-3.542 χ^2/NDF : 499222.2/18

All: 9346.684+/-0.983 χ^2/NDF : 4153801.9/79

- sign 9447.930+/-1.415 χ^2/NDF : 2076619.7/39

Left In: 8760.902+/-1.544 χ^2/NDF : 337743.0/20

diff_bpm4eY_mean vs Slug



Right In: -1.477 ± 2.795 χ^2/NDF : 14.7/16

Left Out: 3.601 ± 1.599 χ^2/NDF : 16.0/22

Right Out: 5.307 ± 2.645 χ^2/NDF : 18.9/18

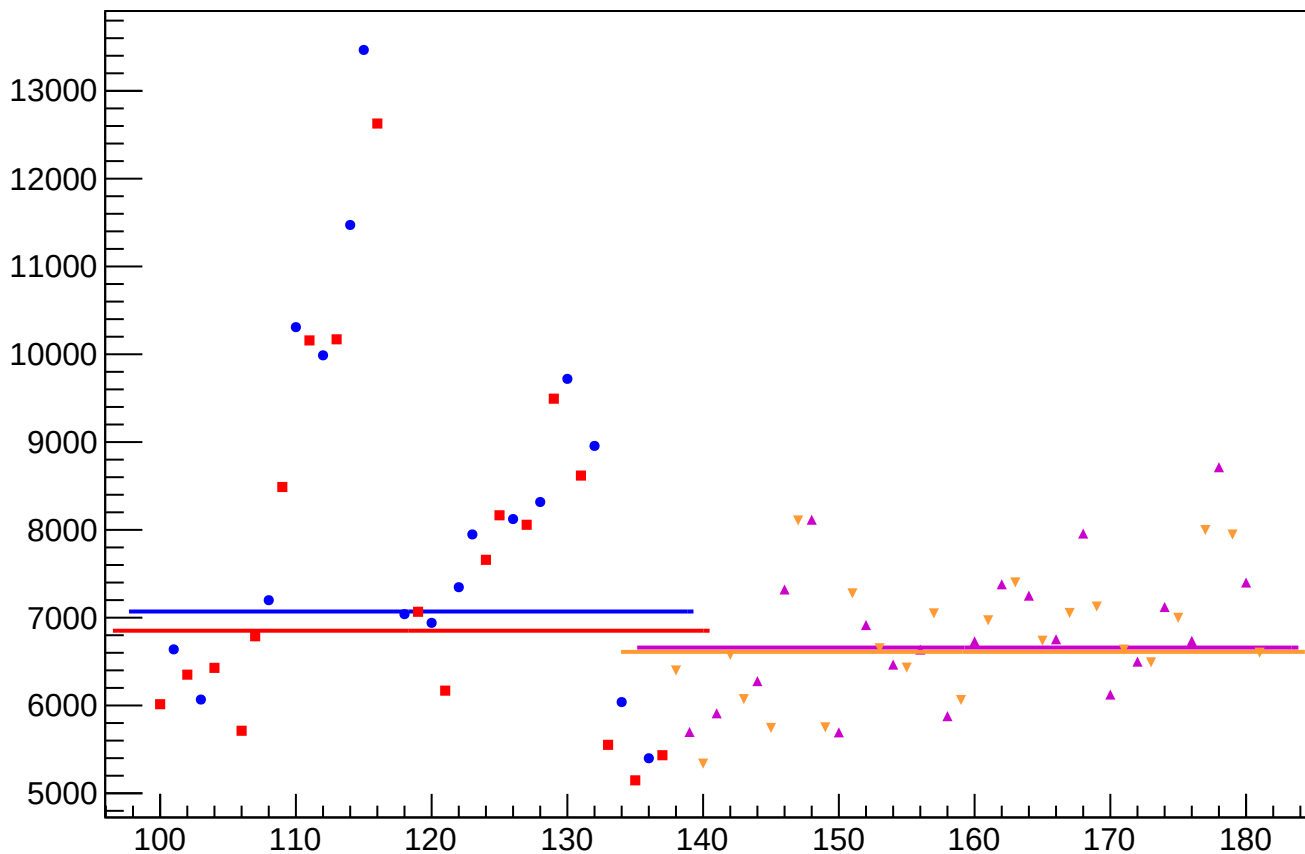
Left In: 1.422 ± 1.664 χ^2/NDF : 32.2/20

+ sign 2.349 ± 1.388 χ^2/NDF : 33.3/39

All: 2.435 ± 0.988 χ^2/NDF : 85.9/79

- sign 2.524 ± 1.408 χ^2/NDF : 52.7/39

diff_bpm4eY_rms vs Slug



Right In: 7070.220+/-1.977 χ^2/NDF : 600878.1/16

Left Out: 6610.734+/-1.130 χ^2/NDF : 391067.4/22

Right Out: 6851.593+/-1.870 χ^2/NDF : 688585.4/18

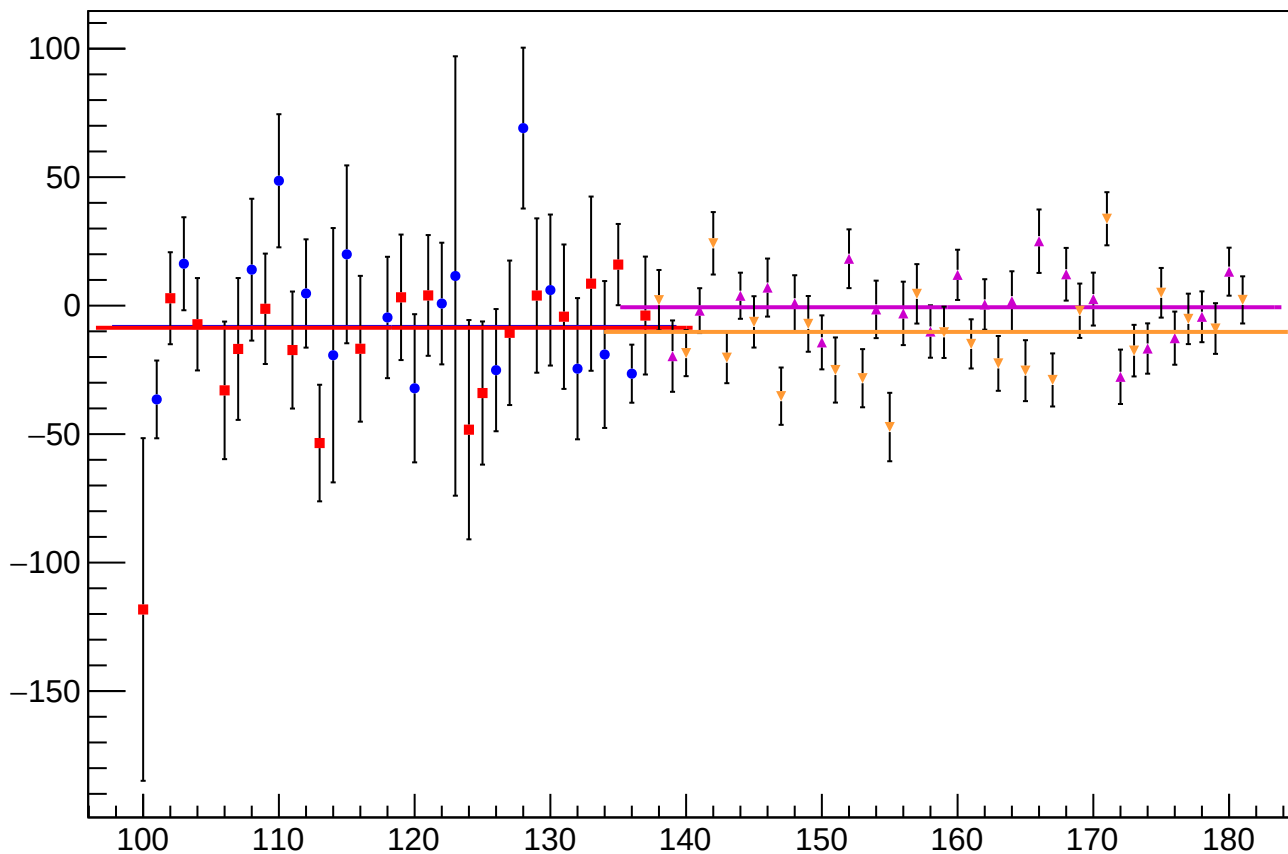
Left In: 6659.636+/-1.176 χ^2/NDF : 408435.2/20

+ sign 6723.972+/-0.981 χ^2/NDF : 1032670.7/39

All: 6719.089+/-0.699 χ^2/NDF : 2137291.2/79

- sign 6714.061+/-0.996 χ^2/NDF : 1104570.2/39

diff_bpm4acX_mean vs Slug



Right In: -8.291 ± 5.508 χ^2/NDF : 22.7/16

Left Out: -10.225 ± 2.193 χ^2/NDF : 59.9/22

Right Out: -8.615 ± 5.576 χ^2/NDF : 13.4/18

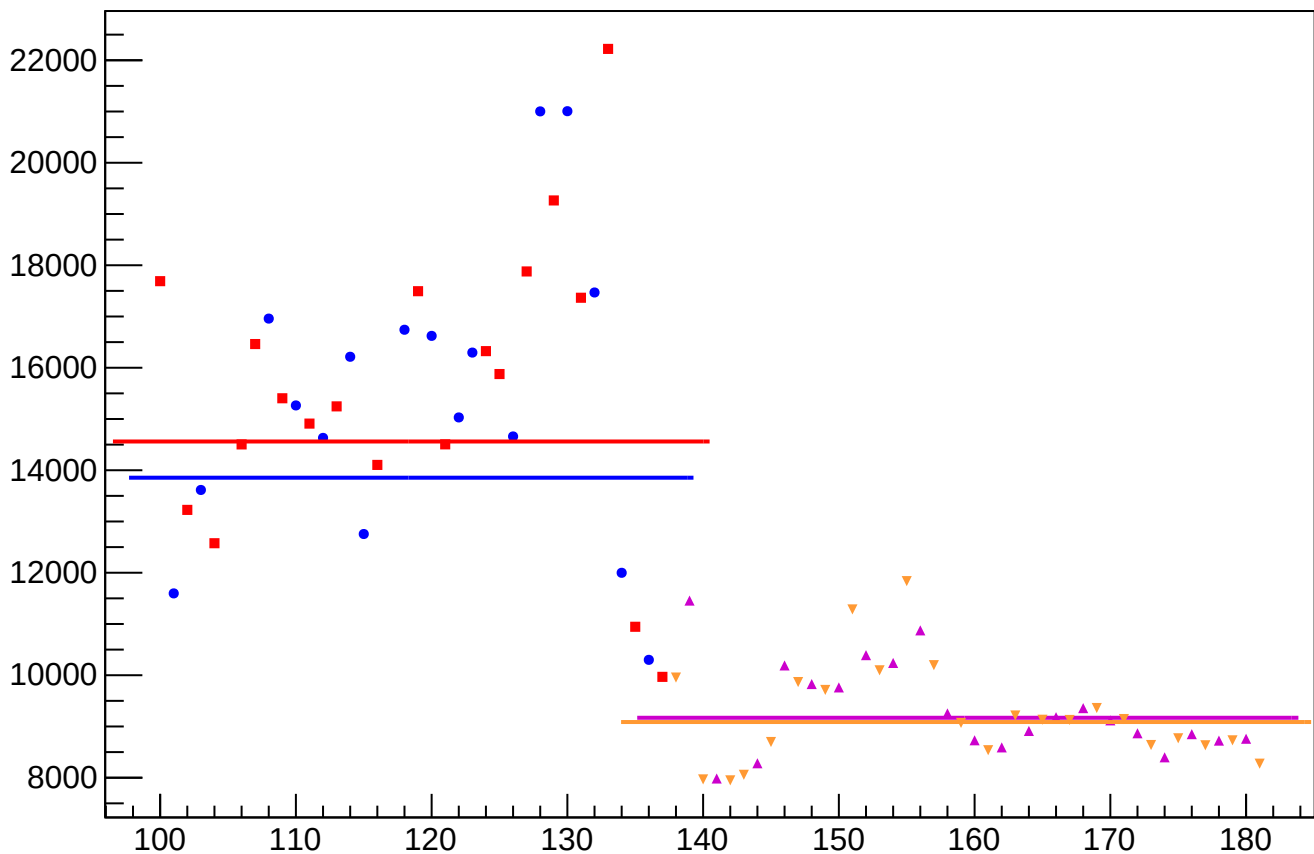
Left In: -0.625 ± 2.283 χ^2/NDF : 28.6/20

+ sign -9.960 ± 2.037 χ^2/NDF : 82.7/39

All: -6.015 ± 1.466 χ^2/NDF : 134.3/79

- sign -1.772 ± 2.113 χ^2/NDF : 43.8/39

diff_bpm4acX_rms vs Slug



Right In: 13854.498 $\pm$ 3.895 χ^2 /NDF: 606202.8/16

Left Out: 9086.892 $\pm$ 1.551 χ^2 /NDF:317376.7/22

Right Out: 14561.025 $\pm$ 3.943 χ^2 /NDF: 475761.5/18

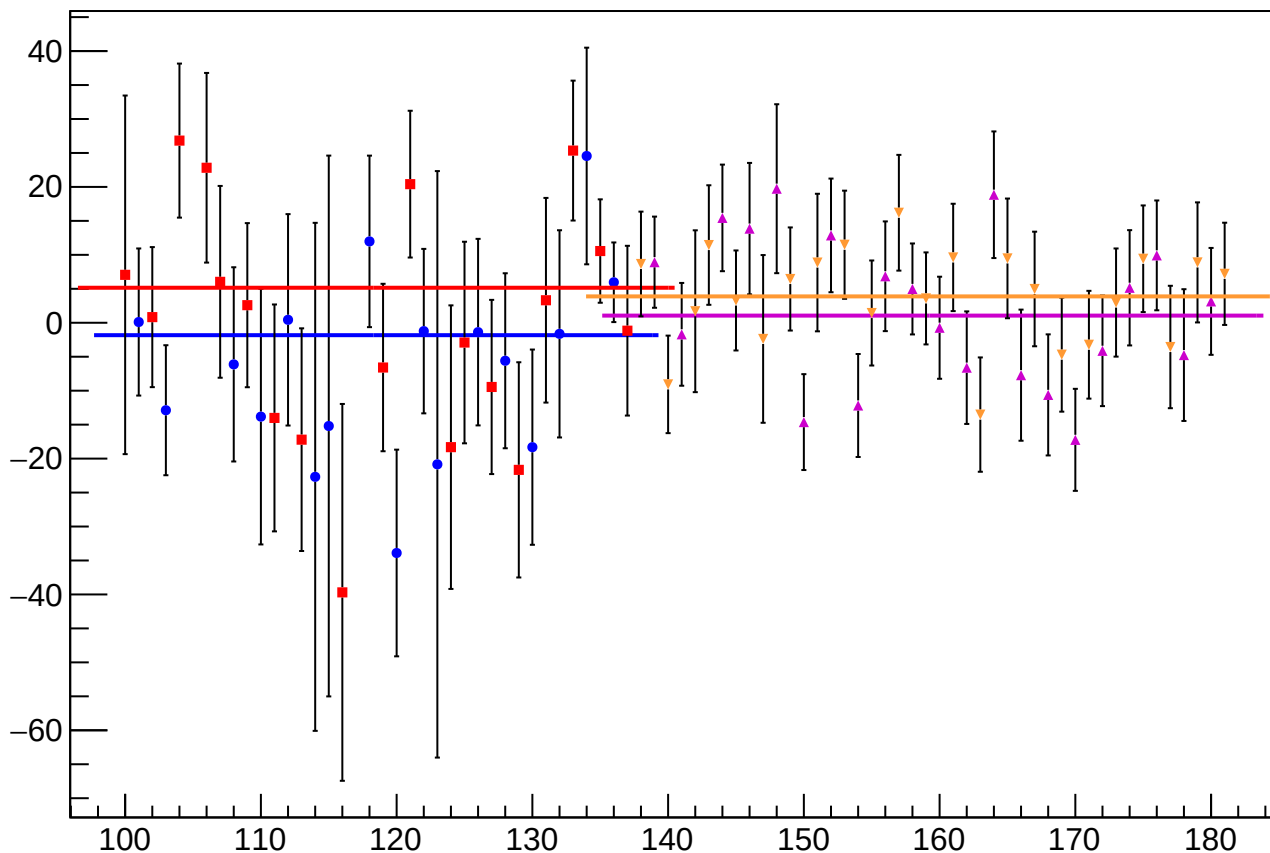
Left In: 9169.910 $\pm$ 1.614 χ^2 /NDF:256574.9/20

+ sign 9739.153 $\pm$ 1.441 χ^2 /NDF: 2217070.1/39

All: 9837.762 $\pm$ 1.037 χ^2 /NDF: 4560491.0/79

- sign 9943.789 $\pm$ 1.494 χ^2 /NDF: 2333697.1/39

diff_bpm4acY_mean vs Slug



Right In: -1.828 ± 3.100 χ^2/NDF : 14.0/16

Left Out: 3.882 ± 1.719 χ^2/NDF : 16.9/22

Right Out: 5.156 ± 2.965 χ^2/NDF : 24.5/18

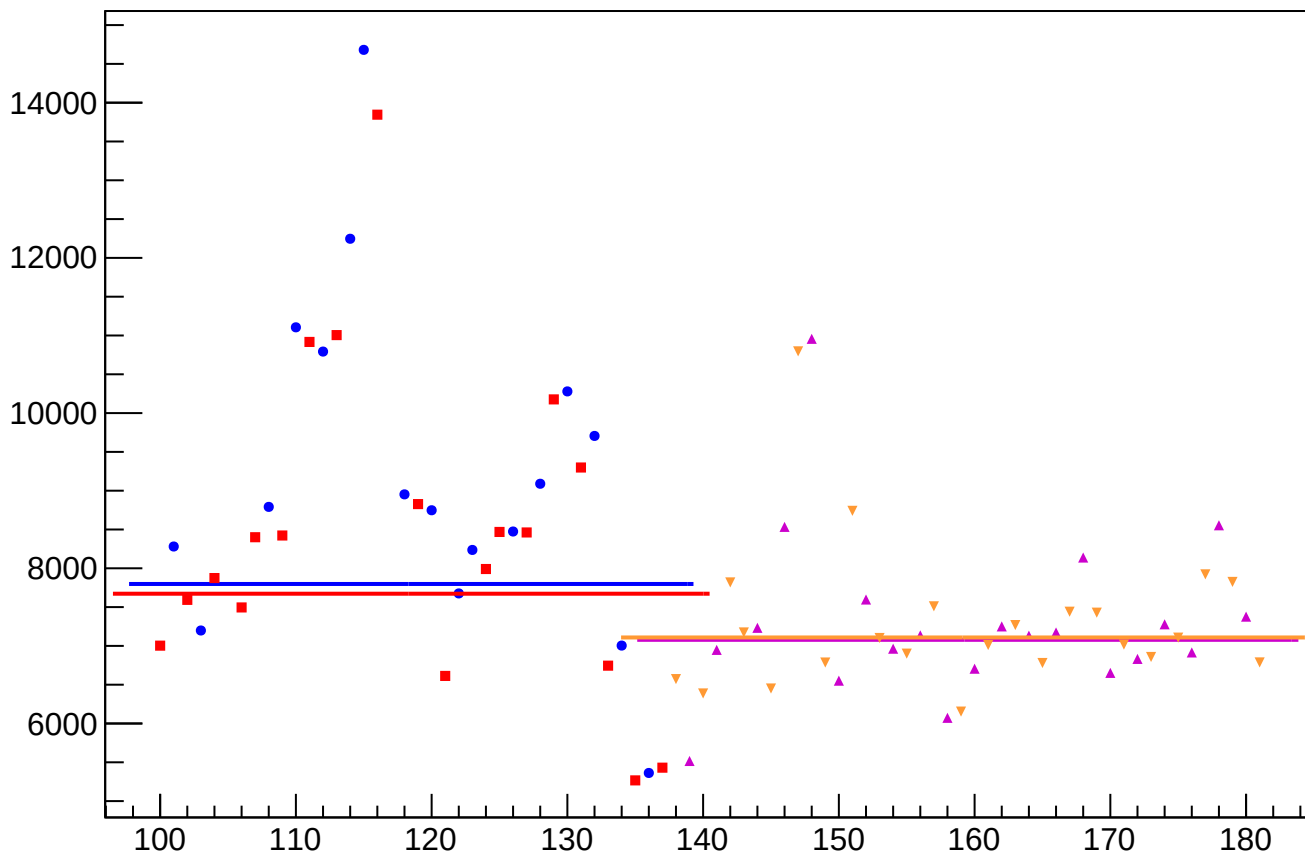
Left In: 1.054 ± 1.772 χ^2/NDF : 35.0/20

+ sign 2.539 ± 1.503 χ^2/NDF : 33.6/39

All: 2.339 ± 1.069 χ^2/NDF : 94.5/79

- sign 2.134 ± 1.521 χ^2/NDF : 60.9/39

diff_bpm4acY_rms vs Slug



Right In: 7797.989 $\pm$ 2.192 χ^2 /NDF: 736318.7/16

Left Out: 7108.629 $\pm$ 1.216 χ^2 /NDF: 377731.3/22

Right Out: 7672.429 $\pm$ 2.096 χ^2 /NDF: 676691.4/18

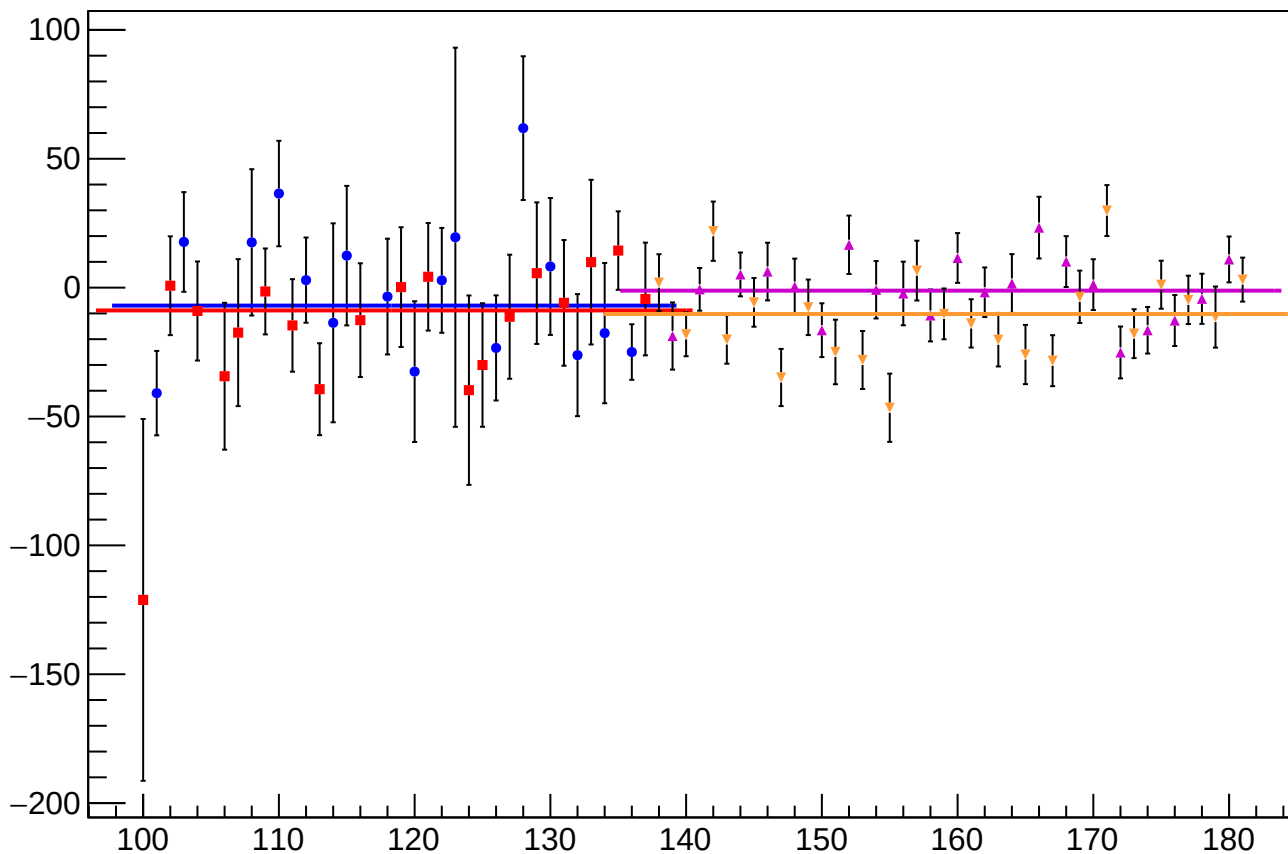
Left In: 7078.285 $\pm$ 1.253 χ^2 /NDF: 507562.3/20

+ sign 7270.821 $\pm$ 1.063 χ^2 /NDF: 1189700.0/39

All: 7252.986 $\pm$ 0.756 χ^2 /NDF: 2433695.8/79

- sign 7234.725 $\pm$ 1.076 χ^2 /NDF: 1243426.1/39

diff_bpm4ecX_mean vs Slug



Right In: -6.975 ± 5.096 $\chi^2/\text{NDF}: 24.0/16$

Left Out: -10.239 ± 2.132 $\chi^2/\text{NDF}: 57.9/22$

Right Out: -8.848 ± 5.080 $\chi^2/\text{NDF}: 12.0/18$

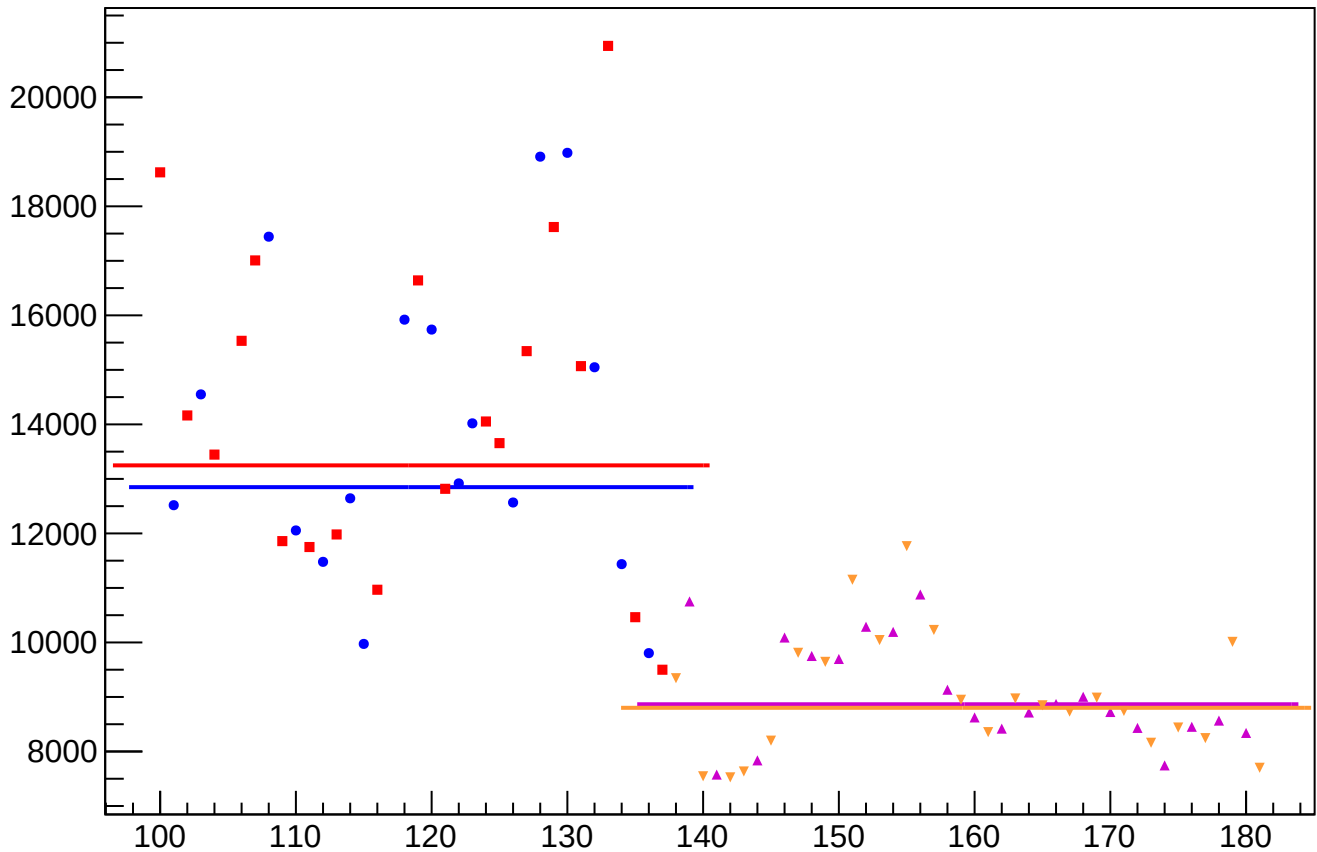
Left In: -1.173 ± 2.211 $\chi^2/\text{NDF}: 27.6/20$

+ sign -9.753 ± 1.967 $\chi^2/\text{NDF}: 82.3/39$

All: -6.184 ± 1.412 $\chi^2/\text{NDF}: 130.7/79$

- sign -2.395 ± 2.027 $\chi^2/\text{NDF}: 41.6/39$

diff_bpm4ecX_rms vs Slug



Right In: 12848.710+/-3.603 χ^2/NDF : 552210.2/16

Left Out: 8801.158+/-1.508 χ^2/NDF : 445912.9/22

+ sign 9404.313+/-1.391 χ^2/NDF : 2071810.4/39

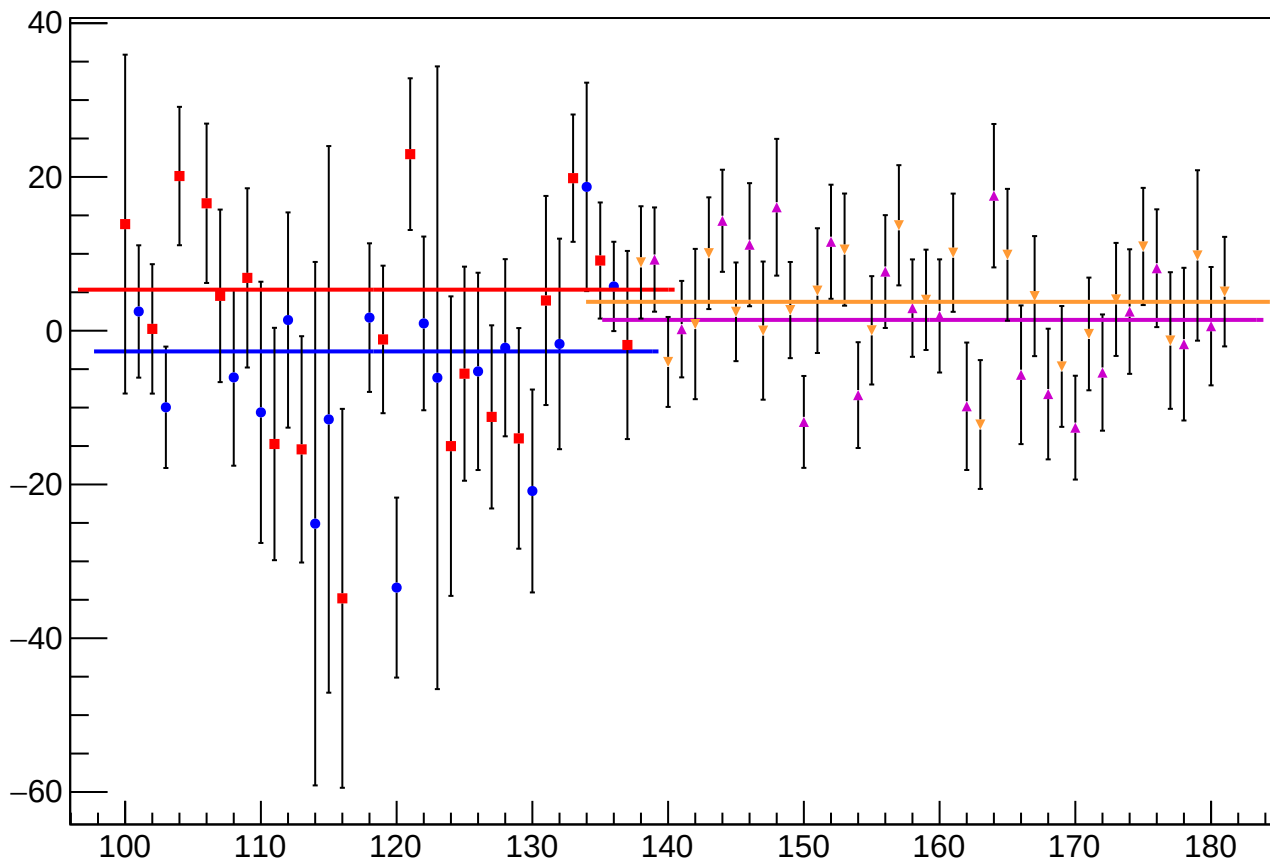
Right Out: 13248.110+/-3.592 χ^2/NDF : 487206.6/18

All: 9481.670+/-0.998 χ^2/NDF : 4154562.8/79

Left In: 8866.177+/-1.563 χ^2/NDF : 337988.9/20

- sign 9563.796+/-1.433 χ^2/NDF : 2076376.5/39

diff_bpm4ecY_mean vs Slug



Right In: -2.694 ± 2.736 χ^2/NDF : 15.9/16

Left Out: 3.756 ± 1.570 χ^2/NDF : 14.0/22

Right Out: 5.339 ± 2.592 χ^2/NDF : 23.6/18

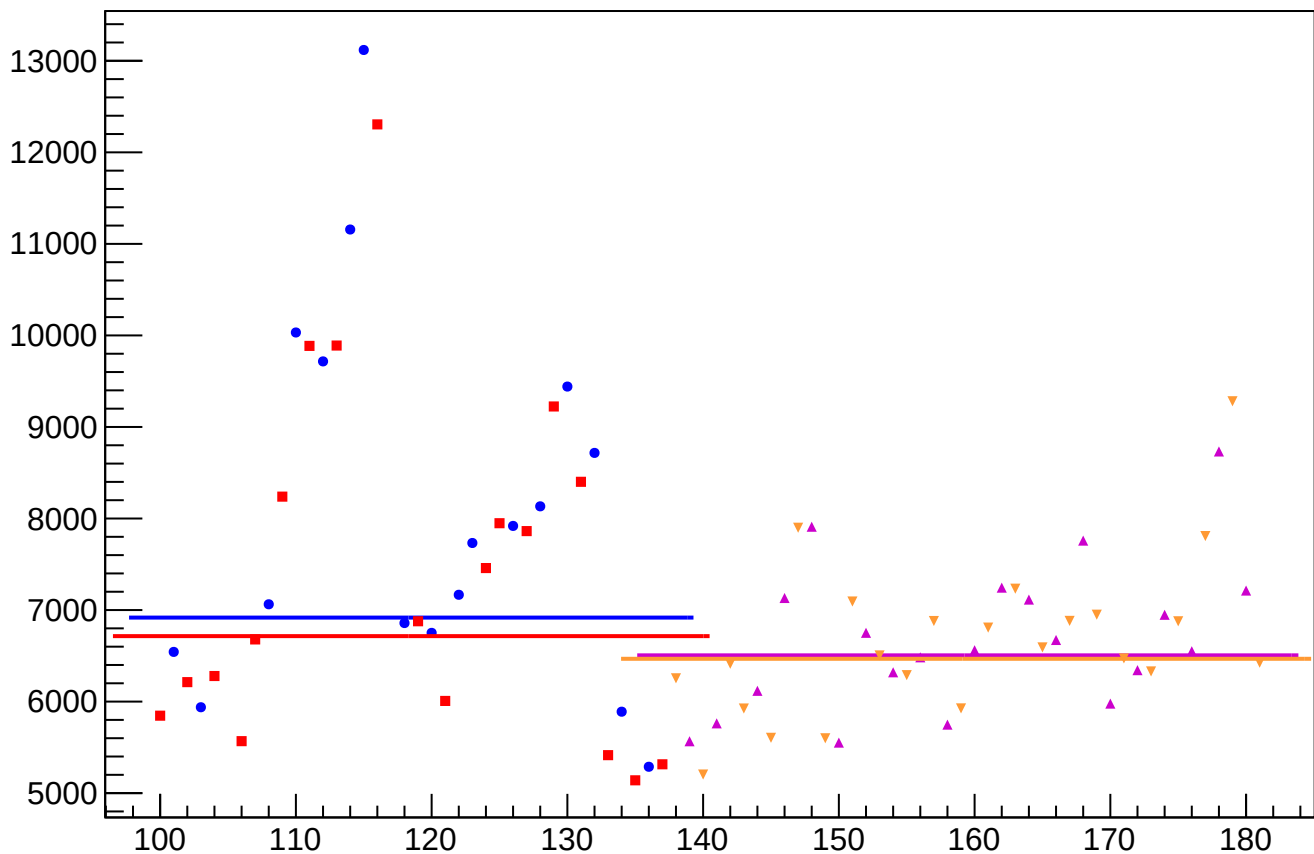
Left In: 1.407 ± 1.626 χ^2/NDF : 31.8/20

+ sign 2.159 ± 1.362 χ^2/NDF : 34.1/39

All: 2.336 ± 0.968 χ^2/NDF : 91.1/79

- sign 2.517 ± 1.378 χ^2/NDF : 57.0/39

diff_bpm4ecY_rms vs Slug



Right In: 6917.700+/-1.935 χ^2/NDF : 587164.4/16

Left Out: 6467.548+/-1.110 χ^2/NDF : 479576.7/22

Right Out: 6715.087+/-1.833 χ^2/NDF : 660008.2/18

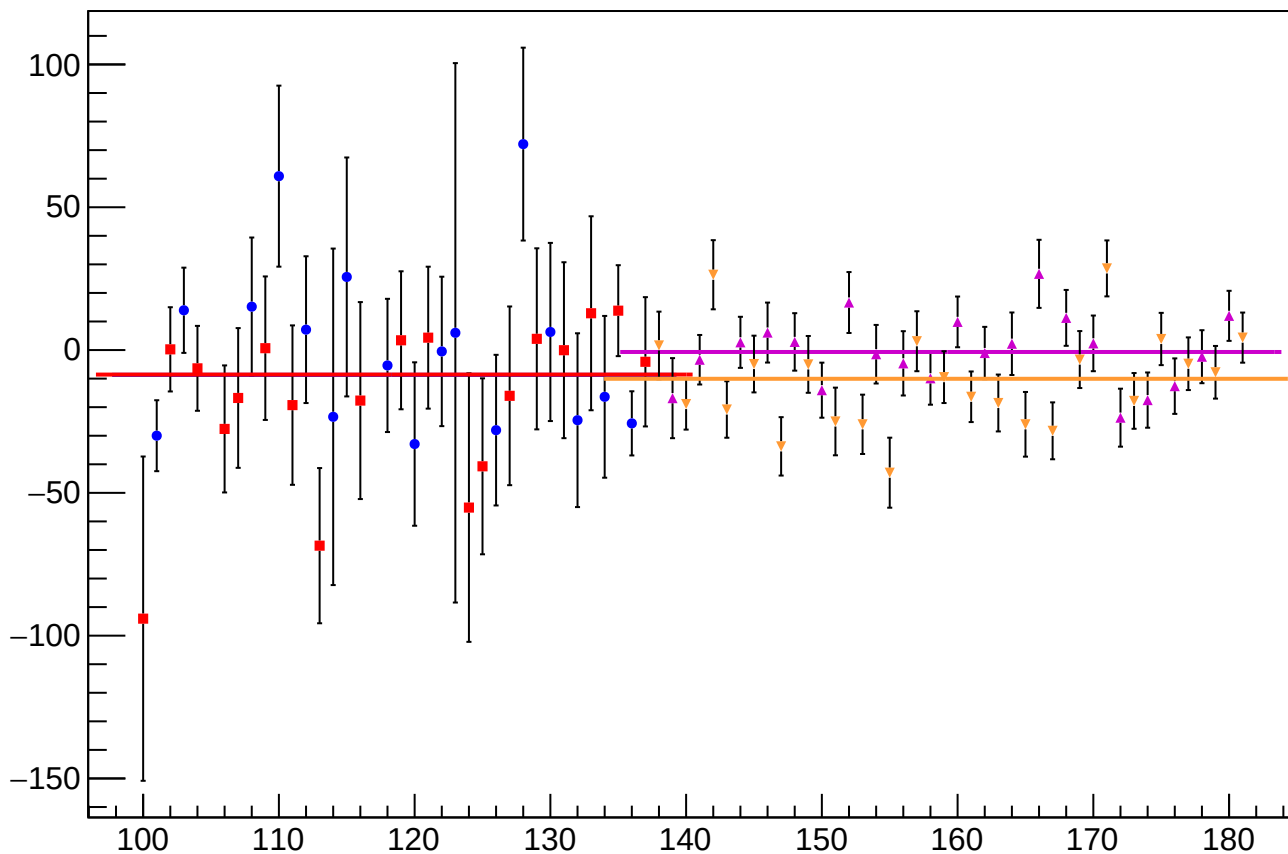
Left In: 6505.178+/-1.150 χ^2/NDF : 423843.9/20

+ sign 6579.011+/-0.963 χ^2/NDF : 1107463.4/39

All: 6571.815+/-0.685 χ^2/NDF : 2200838.9/79

- sign 6564.451+/-0.974 χ^2/NDF : 1093262.6/39

diff_bpm1X_mean vs Slug



Right In: -8.685 ± 5.401 χ^2/NDF : 22.1/16

Left Out: -10.061 ± 2.081 χ^2/NDF : 59.4/22

Right Out: -8.586 ± 5.516 χ^2/NDF : 14.0/18

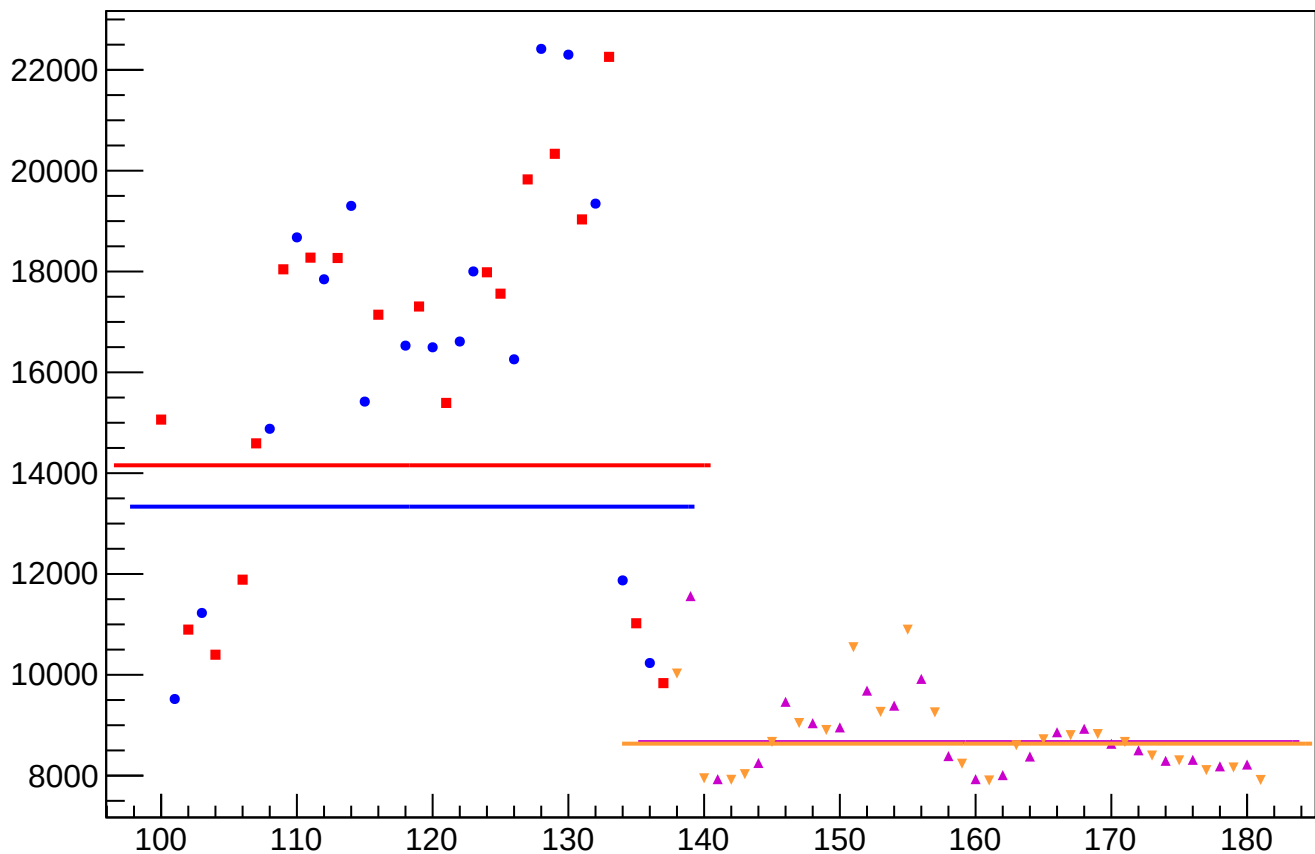
Left In: -0.674 ± 2.156 χ^2/NDF : 27.9/20

+ sign -9.884 ± 1.942 χ^2/NDF : 81.6/39

All: -5.940 ± 1.396 χ^2/NDF : 133.8/79

- sign -1.723 ± 2.008 χ^2/NDF : 43.7/39

diff_bpm1X_rms vs Slug



Right In: 13335.843+/-3.819 χ^2/NDF : 1049247.5/16

Left Out: 8634.357+/-1.472 χ^2/NDF : 241111.6/22

Right Out: 14155.967+/-3.901 χ^2/NDF : 932431.0/18

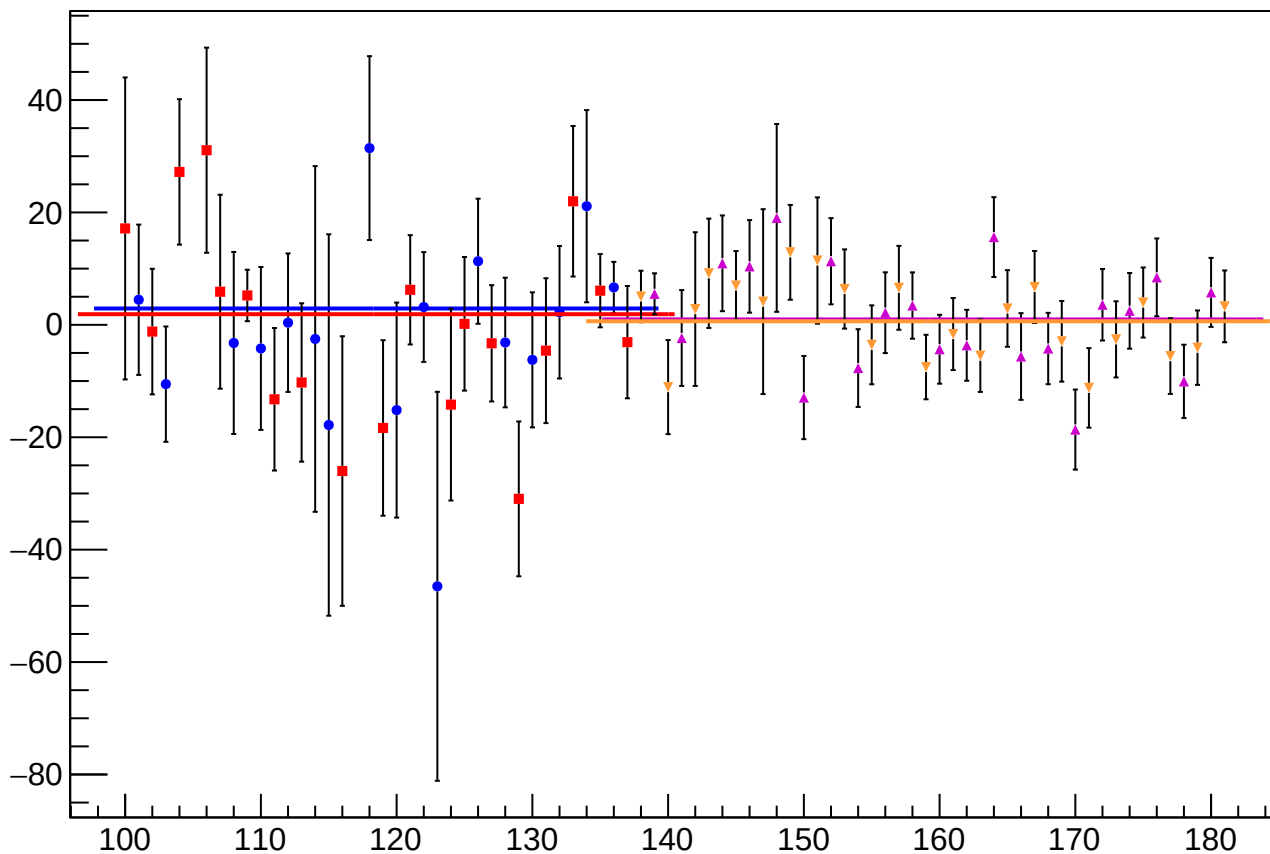
Left In: 8665.449+/-1.525 χ^2/NDF : 219073.4/20

+ sign 9242.081+/-1.373 χ^2/NDF : 2609819.6/39

All: 9315.044+/-0.987 χ^2/NDF : 5485999.9/79

- sign 9393.065+/-1.420 χ^2/NDF : 2870337.8/39

diff_bpm1Y_mean vs Slug



Right In: 2.911 ± 2.758 χ^2/NDF : 11.8/16

Left Out: 0.641 ± 1.459 χ^2/NDF : 18.6/22

Right Out: 1.892 ± 2.444 χ^2/NDF : 22.8/18

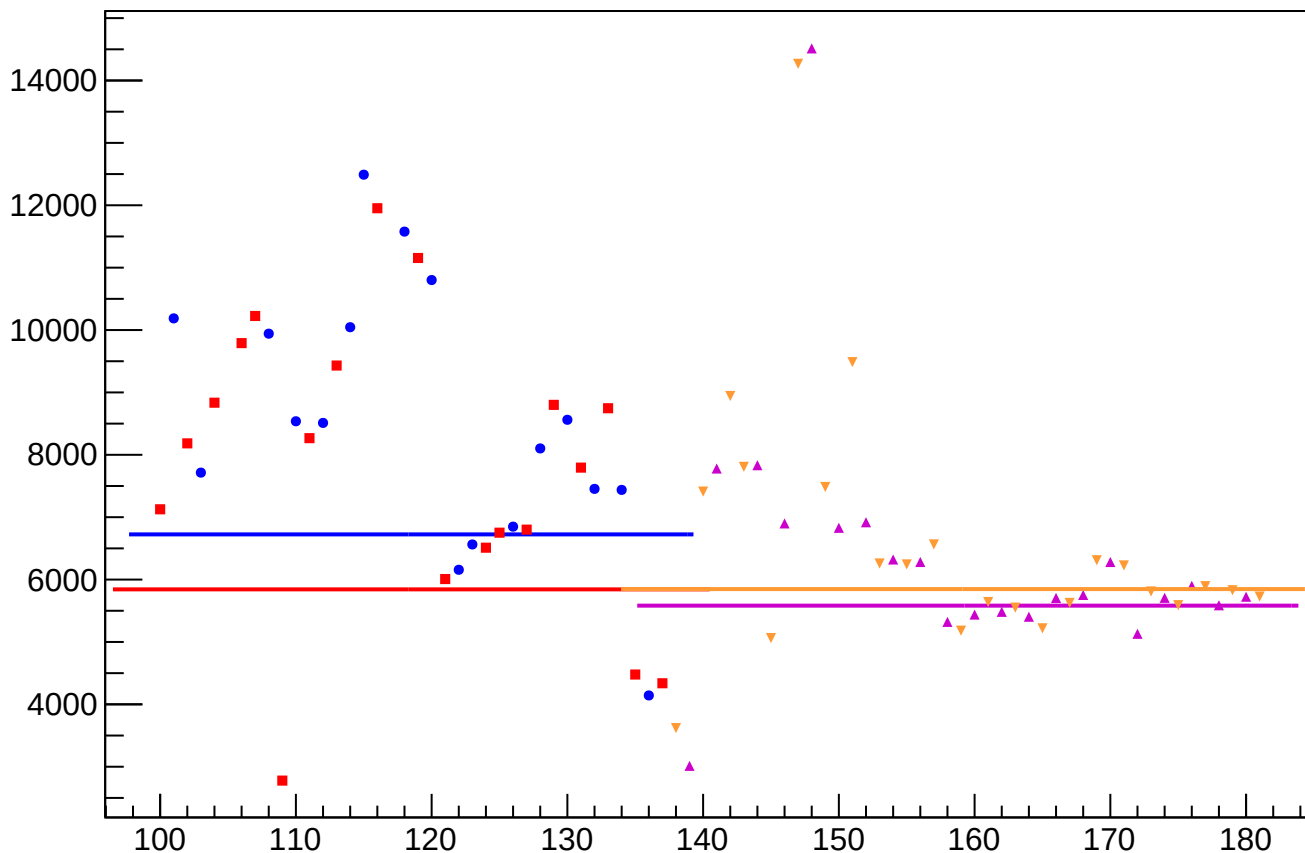
Left In: 0.968 ± 1.450 χ^2/NDF : 32.0/20

+ sign 1.138 ± 1.290 χ^2/NDF : 31.0/39

All: 1.175 ± 0.897 χ^2/NDF : 85.9/79

- sign 1.209 ± 1.247 χ^2/NDF : 54.9/39

diff_bpm1Y_rms vs Slug



Right In: 6724.403 $\pm$ 1.950 χ^2 /NDF: 1391680.1/16

Left Out: 5847.696 $\pm$ 1.032 χ^2 /NDF: 1671656.0/22

Right Out: 5843.007 $\pm$ 1.728 χ^2 /NDF: 2280742.0/18

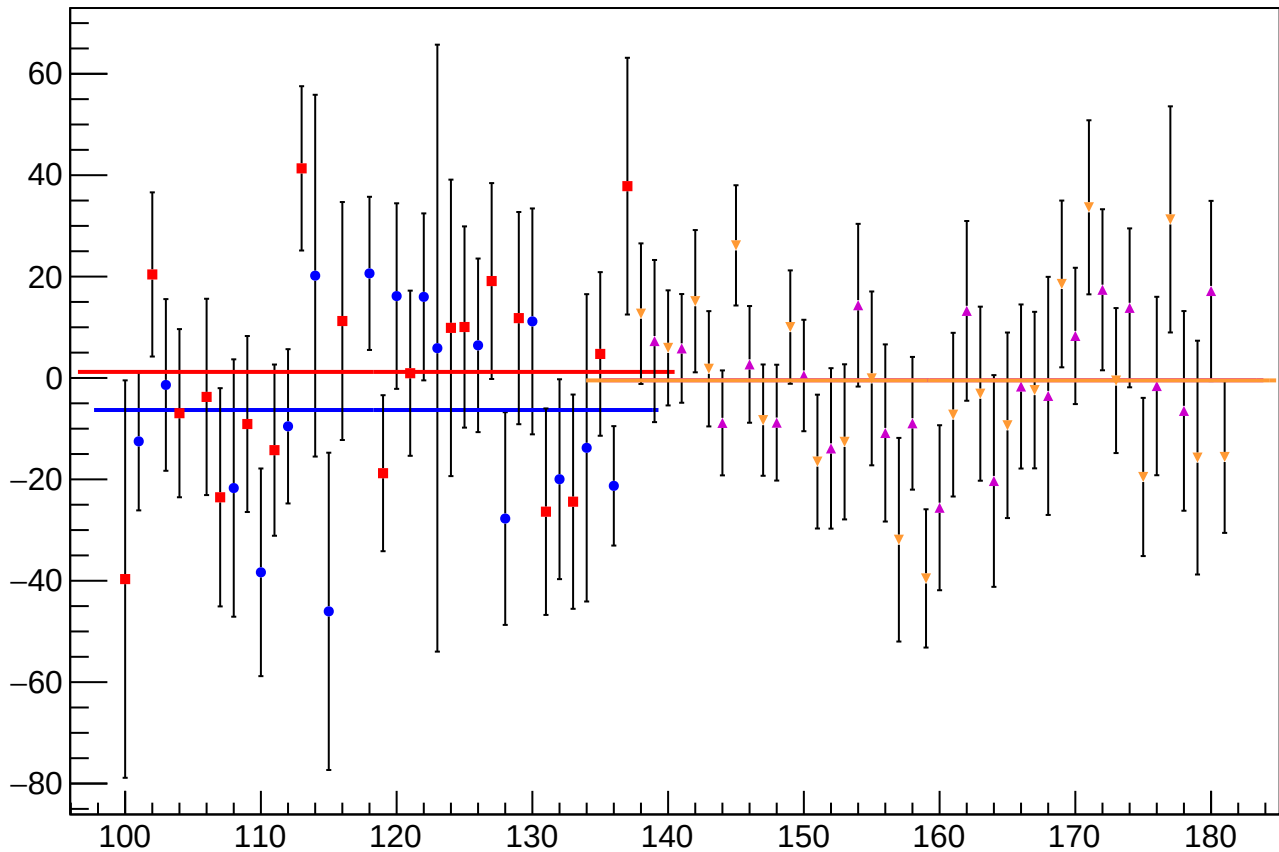
Left In: 5582.251 $\pm$ 1.025 χ^2 /NDF: 2086021.1/20

+ sign 6039.523 $\pm$ 0.912 χ^2 /NDF: 3221247.9/39

All: 5838.277 $\pm$ 0.634 χ^2 /NDF: 7699033.4/79

- sign 5650.157 $\pm$ 0.882 χ^2 /NDF: 4383601.7/39

diff_bpm11X_mean vs Slug



Right In: -6.317 ± 4.525 χ^2/NDF : 16.2/16

Left Out: -0.479 ± 3.025 χ^2/NDF : 32.4/22

Right Out: 1.197 ± 4.382 χ^2/NDF : 20.2/18

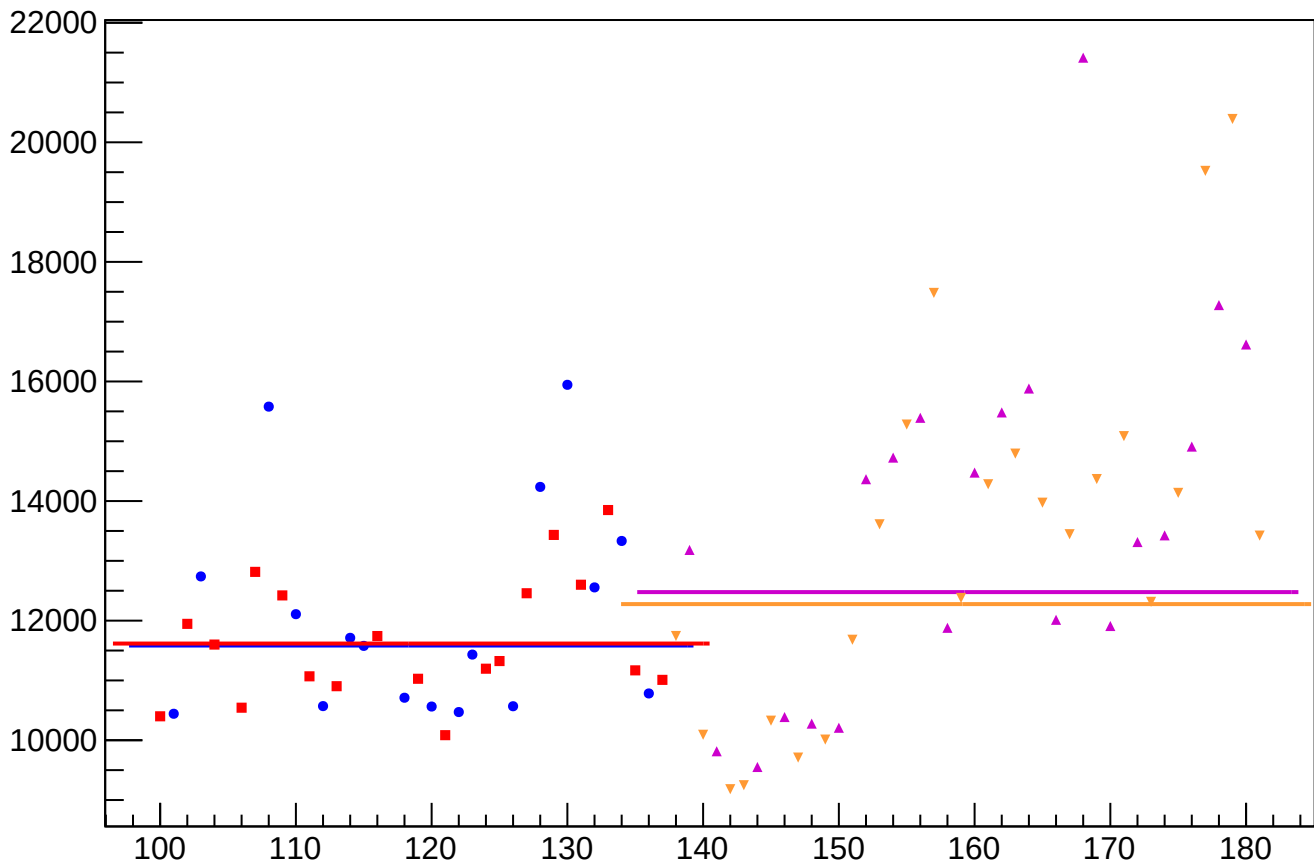
Left In: -0.444 ± 3.165 χ^2/NDF : 11.7/20

+ sign -2.282 ± 2.515 χ^2/NDF : 49.8/39

All: -1.106 ± 1.796 χ^2/NDF : 82.2/79

- sign 0.119 ± 2.566 χ^2/NDF : 32.0/39

diff_bpm11X_rms vs Slug



Right In: 11584.044 $\pm$ 3.200 χ^2 /NDF: 241550.8/16

Left Out: 12276.683 $\pm$ 2.139 χ^2 /NDF:1464113.9/22

Right Out: 11616.845 $\pm$ 3.098 χ^2 /NDF: 95463.1/18

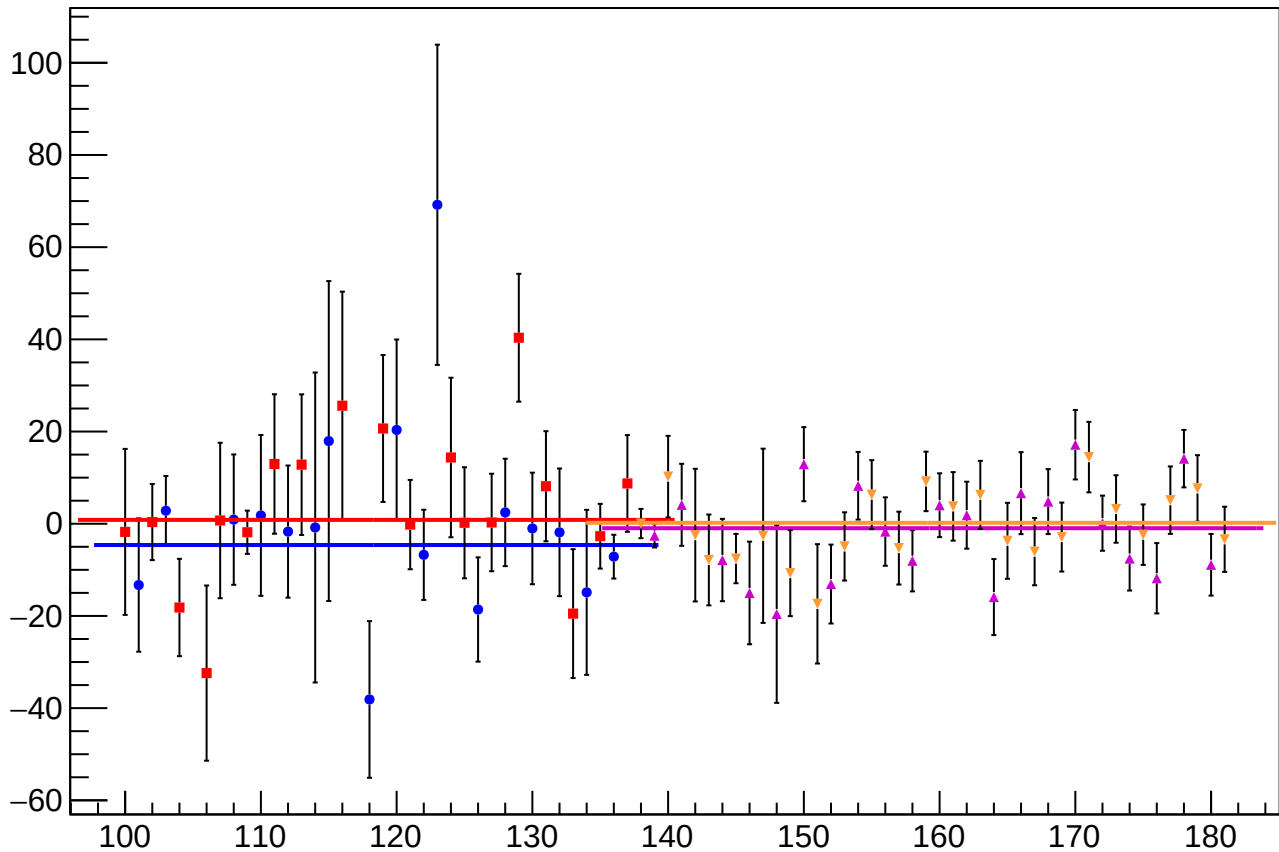
Left In: 12477.296 $\pm$ 2.238 χ^2 /NDF:1354000.3/20

+ sign 12062.768 $\pm$ 1.778 χ^2 /NDF: 1738053.4/39

All: 12121.337 $\pm$ 1.270 χ^2 /NDF: 3240414.0/7

- sign 12182.302 $\pm$ 1.814 χ^2 /NDF: 1500146.4/39

diff_bpm11Y_mean vs Slug



Right In: -4.616 ± 2.782 χ^2/NDF : 14.8/16

Left Out: 0.204 ± 1.470 χ^2/NDF : 18.5/22

Right Out: 0.841 ± 2.431 χ^2/NDF : 22.5/18

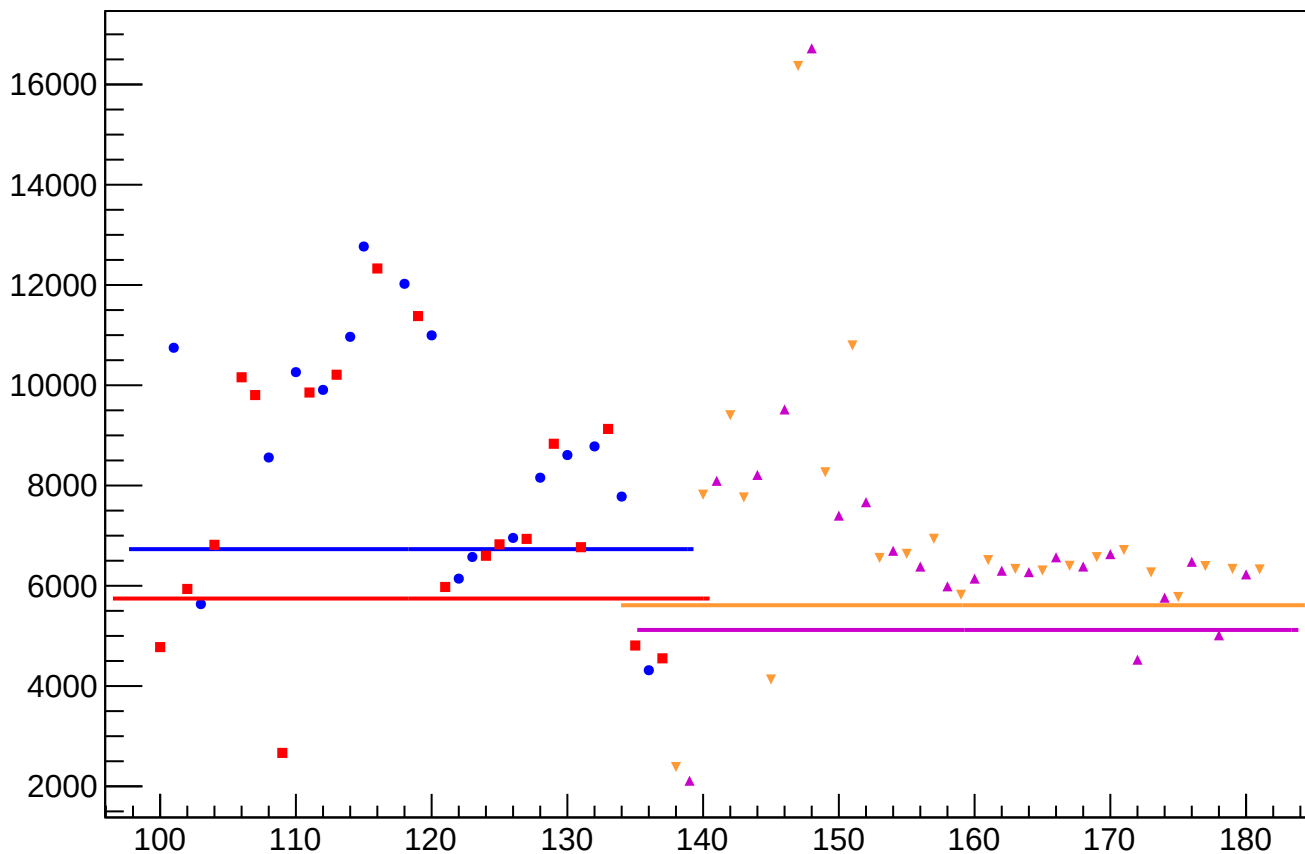
Left In: -0.966 ± 1.420 χ^2/NDF : 32.9/20

+ sign -0.847 ± 1.299 χ^2/NDF : 35.6/39

All: -0.667 ± 0.892 χ^2/NDF : 91.5/79

- sign -0.506 ± 1.226 χ^2/NDF : 55.9/39

diff_bpm11Y_rms vs Slug



Right In: 6730.931+/-1.967 χ^2/NDF : 1444572.7/16

Left Out: 5612.141+/-1.039 χ^2/NDF : 4073718.4/22

Right Out: 5745.707+/-1.719 χ^2/NDF : 2164630.9/18

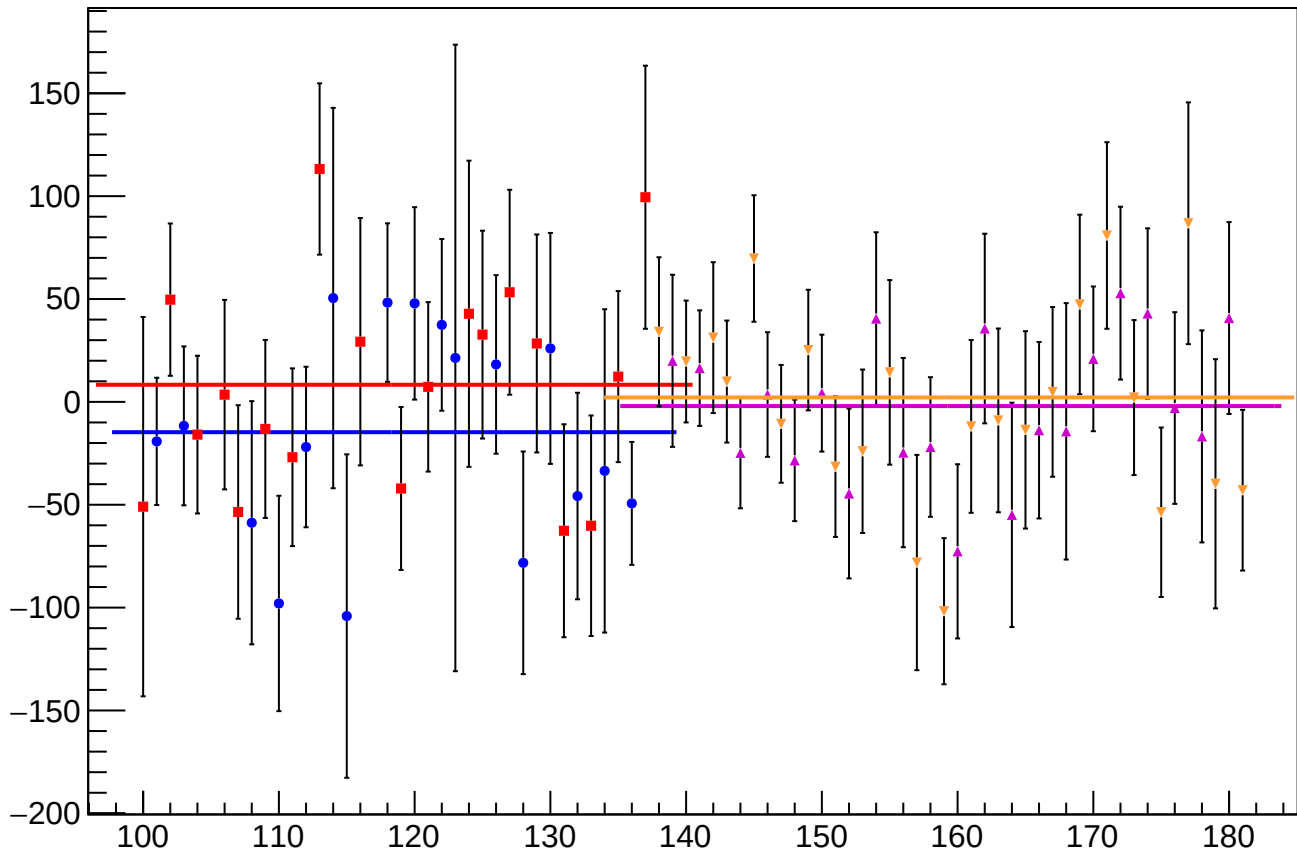
Left In: 5119.139+/-1.004 χ^2/NDF : 5270878.6/20

+ sign 5856.234+/-0.919 χ^2/NDF : 5771205.2/39

All: 5550.669+/-0.631 χ^2/NDF : 13514883.3/7

- sign 5278.578+/-0.867 χ^2/NDF : 7534588.3/39

diff_bpm12X_mean vs Slug



Right In: -14.734 ± 11.237 $\chi^2/\text{NDF}: 15.3/16$

Left Out: 2.159 ± 7.910 $\chi^2/\text{NDF}: 30.0/22$

Right Out: 8.323 ± 10.912 $\chi^2/\text{NDF}: 19.5/18$

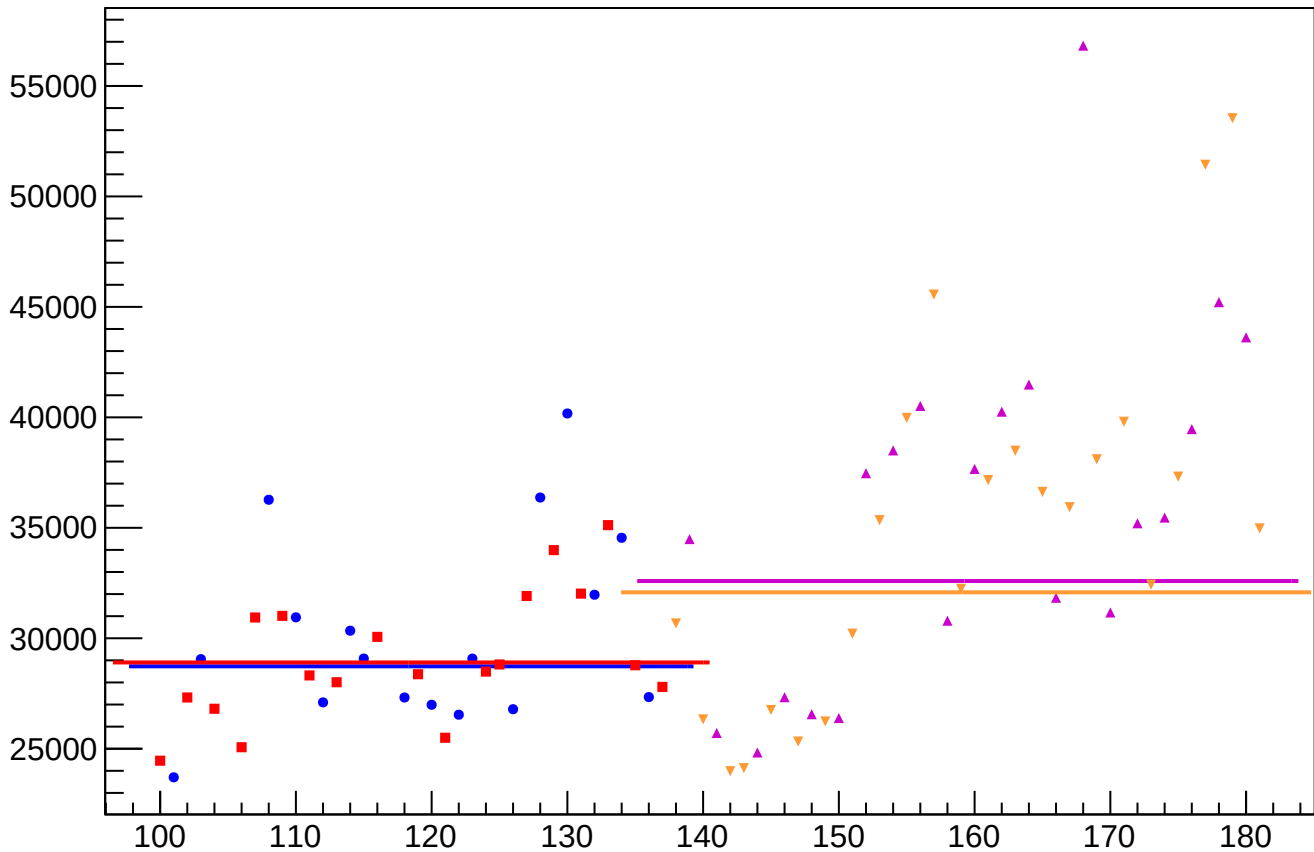
Left In: -2.039 ± 8.273 $\chi^2/\text{NDF}: 13.7/20$

+ sign -3.438 ± 6.468 $\chi^2/\text{NDF}: 46.7/39$

All: -0.897 ± 4.617 $\chi^2/\text{NDF}: 80.8/79$

- sign 1.743 ± 6.592 $\chi^2/\text{NDF}: 33.7/39$

diff_bpm12X_rms vs Slug



Right In: 28729.913 $\pm$ 7.946 χ^2 /NDF: 254816.0/16

Left Out: 32079.840 $\pm$ 5.593 χ^2 /NDF:1498743.1/22

Right Out: 28905.793 $\pm$ 7.716 χ^2 /NDF: 112668.4/18

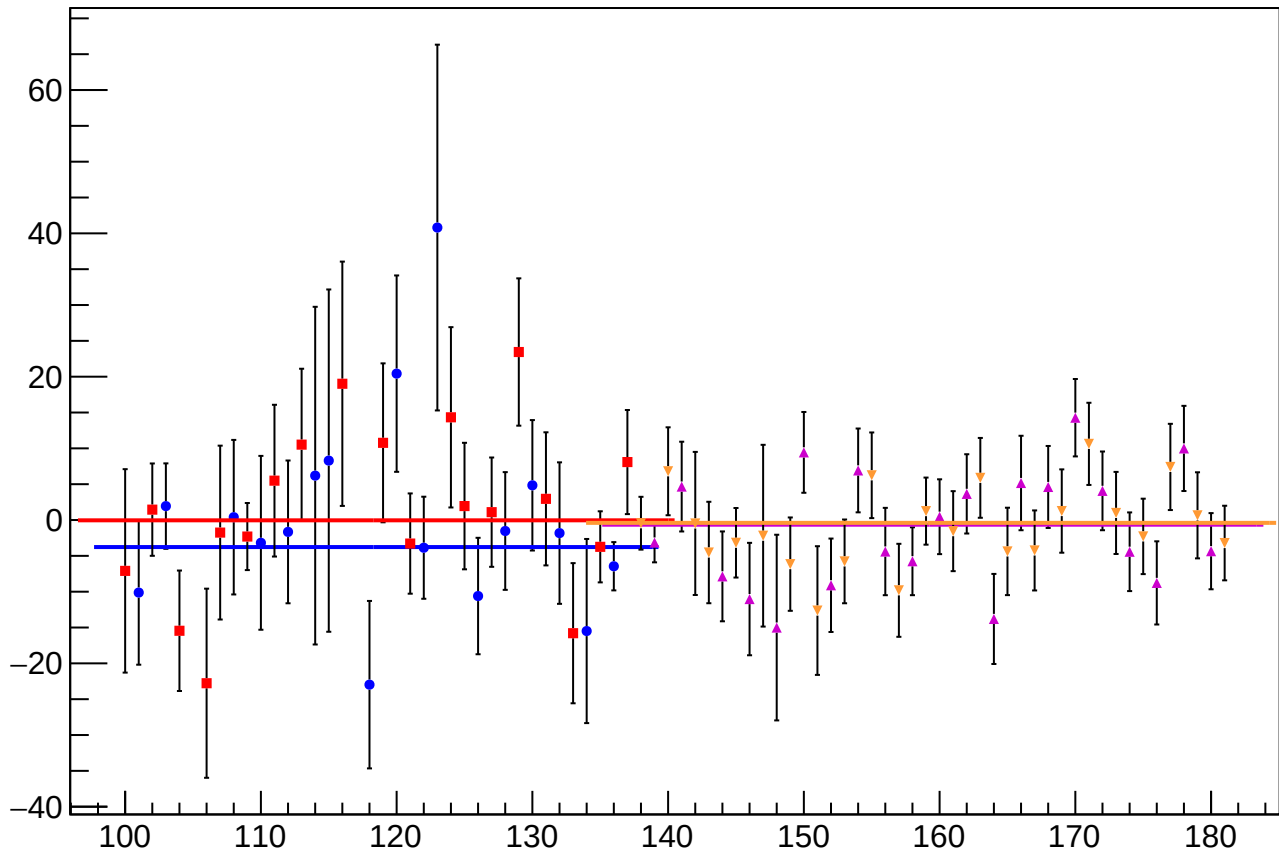
Left In: 32590.592 $\pm$ 5.850 χ^2 /NDF:1398291.4/20

+ sign 30969.979 $\pm$ 4.573 χ^2 /NDF: 1872419.0/39

All: 31105.250 $\pm$ 3.265 χ^2 /NDF: 3529981.4/7

- sign 31245.778 $\pm$ 4.661 χ^2 /NDF: 1655778.8/39

diff_bpm12Y_mean vs Slug



Right In: -3.773 ± 2.010 χ^2/NDF : 14.0/16

Left Out: -0.395 ± 1.209 χ^2/NDF : 17.2/22

Right Out: -0.042 ± 1.894 χ^2/NDF : 21.7/18

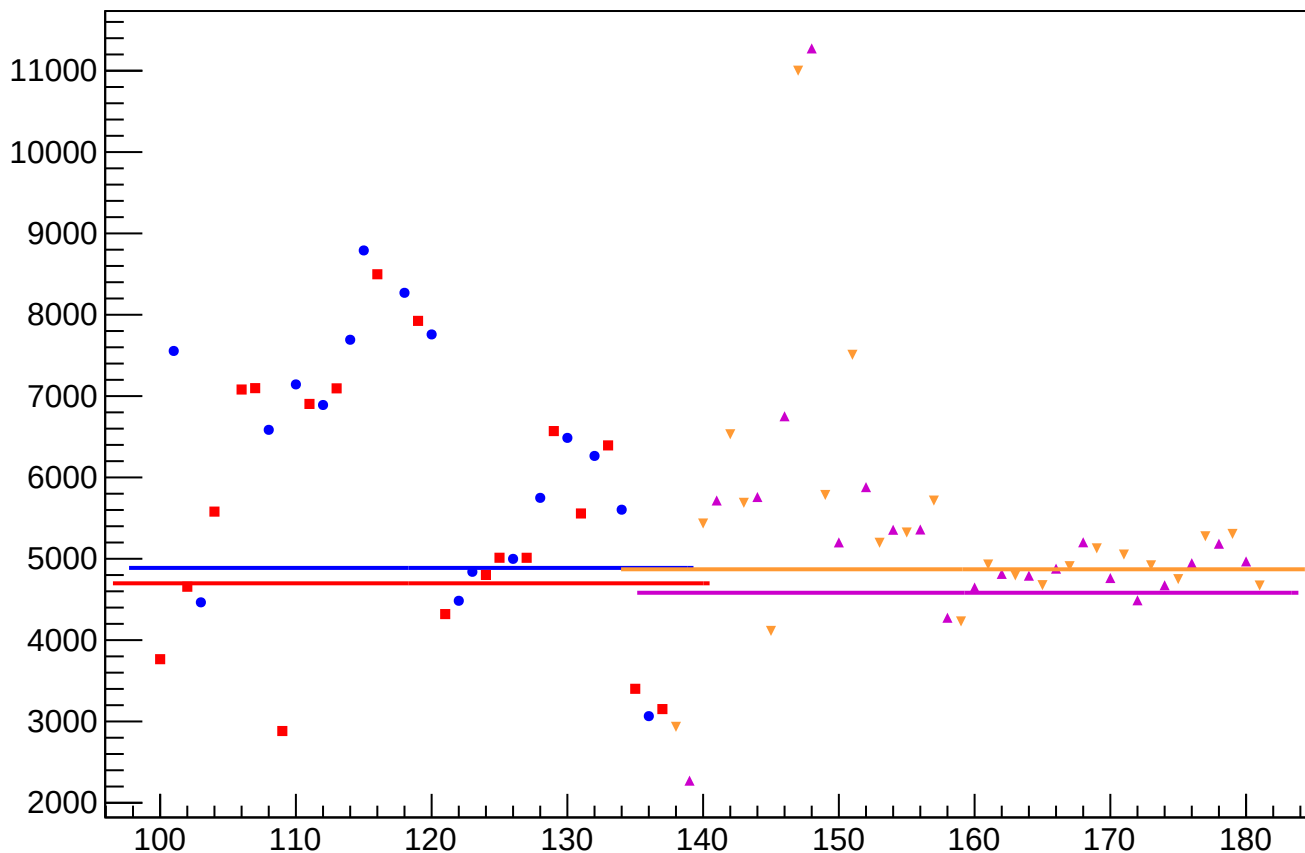
Left In: -0.654 ± 1.193 χ^2/NDF : 35.1/20

+ sign -1.293 ± 1.036 χ^2/NDF : 33.3/39

All: -0.876 ± 0.723 χ^2/NDF : 90.4/79

- sign -0.480 ± 1.010 χ^2/NDF : 56.8/39

diff_bpm12Y_rms vs Slug



Right In: 4887.759 $\pm$ 1.421 χ^2 /NDF: 1408633.3/16

Left Out: 4870.730 $\pm$ 0.855 χ^2 /NDF: 1500843.9/22

Right Out: 4698.374 $\pm$ 1.339 χ^2 /NDF: 1316063.8/18

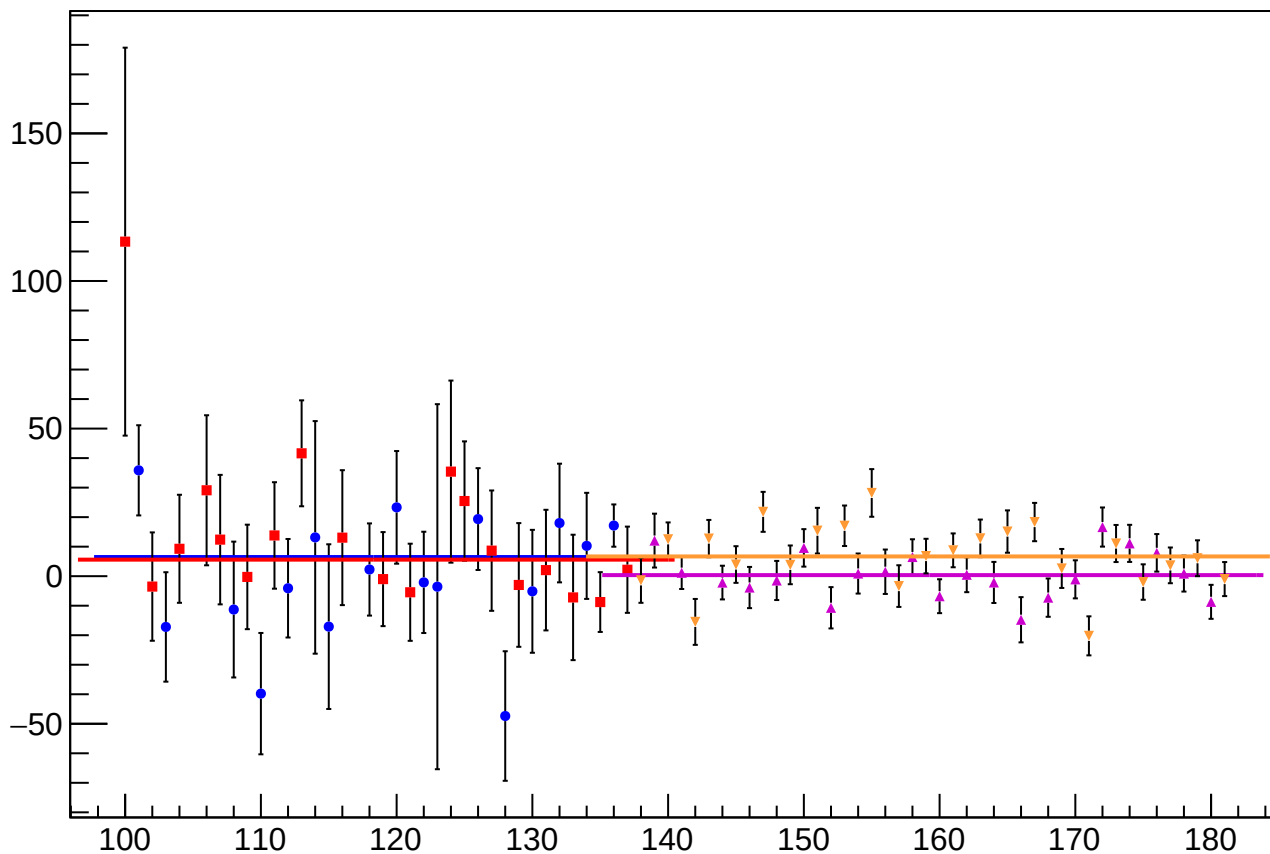
Left In: 4582.172 $\pm$ 0.844 χ^2 /NDF: 2478112.6/20

+ sign 4875.256 $\pm$ 0.733 χ^2 /NDF: 2909582.6/39

All: 4741.828 $\pm$ 0.511 χ^2 /NDF: 6773781.1/79

- sign 4615.184 $\pm$ 0.714 χ^2 /NDF: 3799565.7/39

diff_bpm16X_mean vs Slug



Right In: 6.482 ± 4.072 χ^2/NDF : 22.7/16

Left Out: 6.689 ± 1.355 χ^2/NDF : 56.5/22

Right Out: 5.601 ± 4.227 χ^2/NDF : 13.6/18

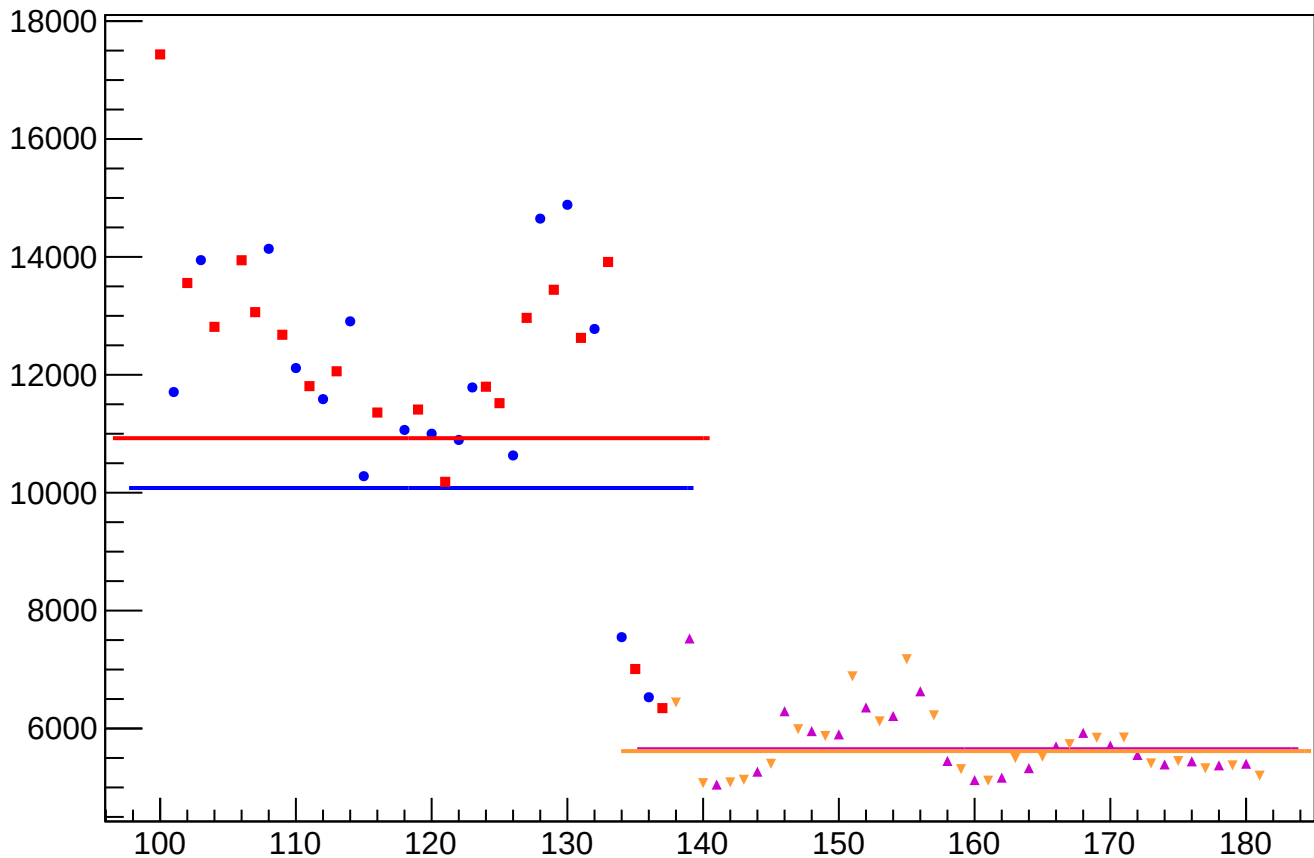
Left In: 0.360 ± 1.406 χ^2/NDF : 27.8/20

+ sign 6.669 ± 1.286 χ^2/NDF : 79.2/39

All: 3.884 ± 0.926 χ^2/NDF : 131.7/79

- sign 0.882 ± 1.334 χ^2/NDF : 42.8/39

diff_bpm16X_rms vs Slug



Right In: 10079.938 $\pm$ 2.879 χ^2 /NDF: 999414.2/16

Left Out: 5616.964 $\pm$ 0.958 χ^2 /NDF: 277496.2/22

Right Out: 10924.946 $\pm$ 2.989 χ^2 /NDF: 769663.7/18

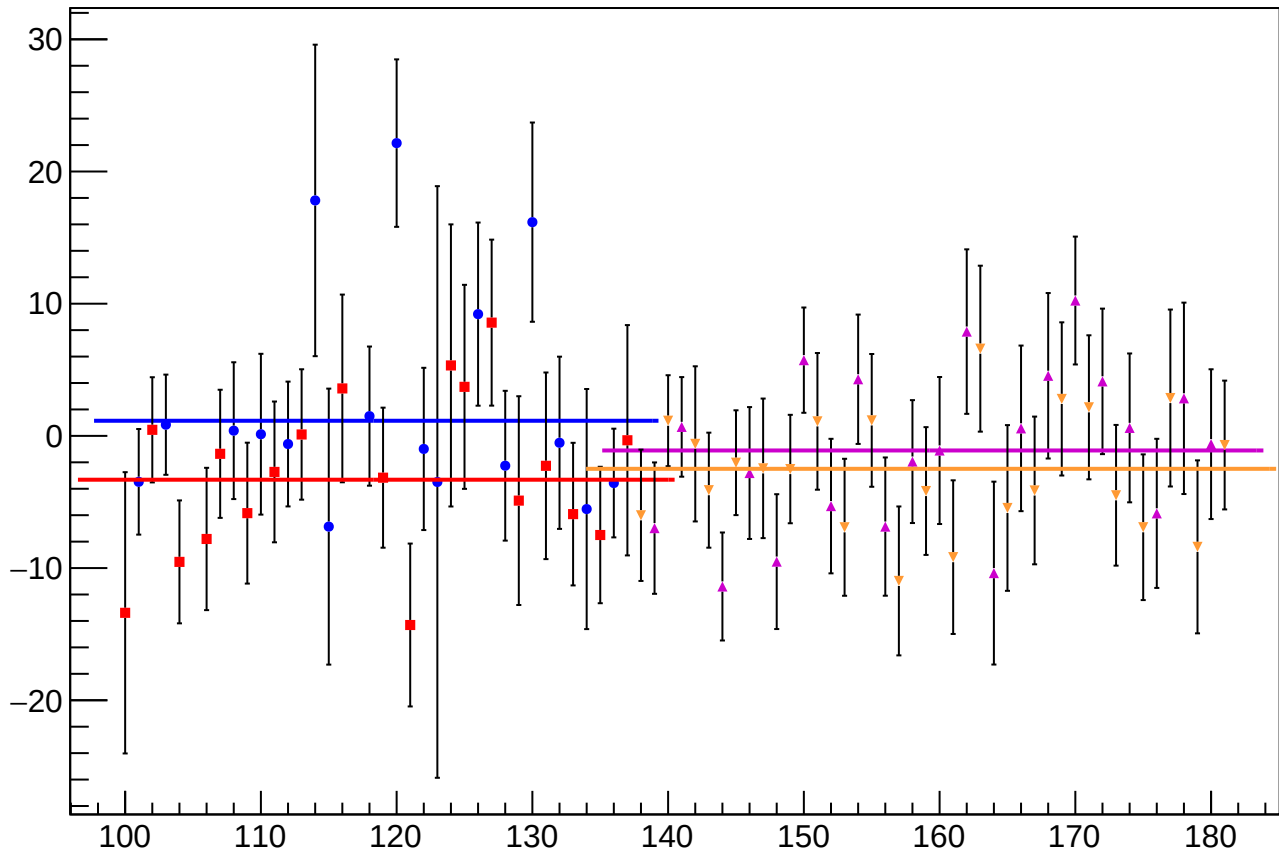
Left In: 5648.812 $\pm$ 0.994 χ^2 /NDF: 264108.5/20

+ sign 6061.740 $\pm$ 0.909 χ^2 /NDF: 3439788.8/39

All: 6116.107 $\pm$ 0.655 χ^2 /NDF: 7286472.6/79

- sign 6174.692 $\pm$ 0.944 χ^2 /NDF: 3839252.1/39

diff_bpm16Y_mean vs Slug



Right In: 1.144 ± 1.398 χ^2/NDF : 22.9/16

Left Out: -2.491 ± 1.062 χ^2/NDF : 13.7/22

Right Out: -3.316 ± 1.335 χ^2/NDF : 15.4/18

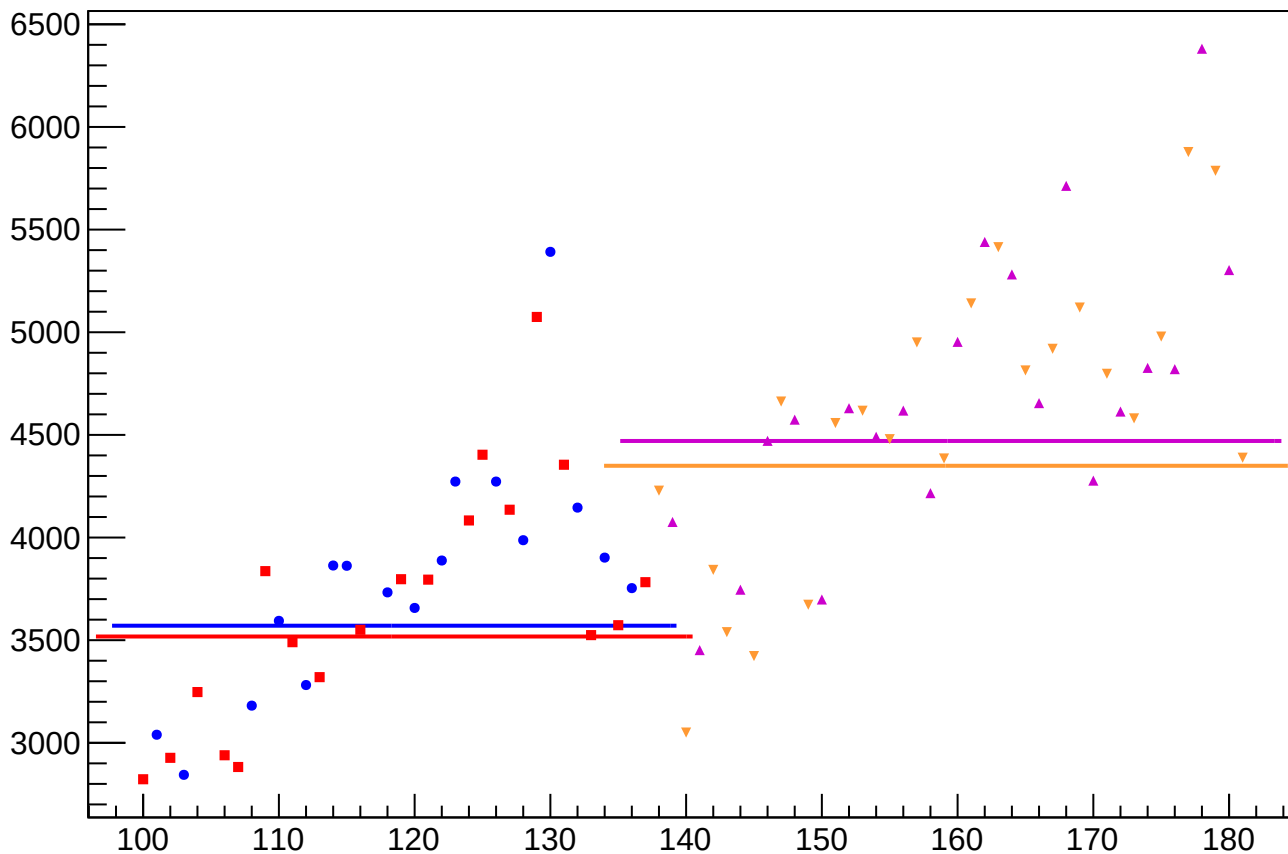
Left In: -1.103 ± 1.122 χ^2/NDF : 29.2/20

+ sign -1.160 ± 0.846 χ^2/NDF : 40.9/39

All: -1.583 ± 0.603 χ^2/NDF : 87.6/79

- sign -2.019 ± 0.859 χ^2/NDF : 46.2/39

diff_bpm16Y_rms vs Slug



Right In: 3570.545 $\pm$ 0.988 χ^2 /NDF: 310402.0/16

Left Out: 4349.560 $\pm$ 0.751 χ^2 /NDF: 980296.3/22

Right Out: 3517.953 $\pm$ 0.944 χ^2 /NDF: 296177.1/18

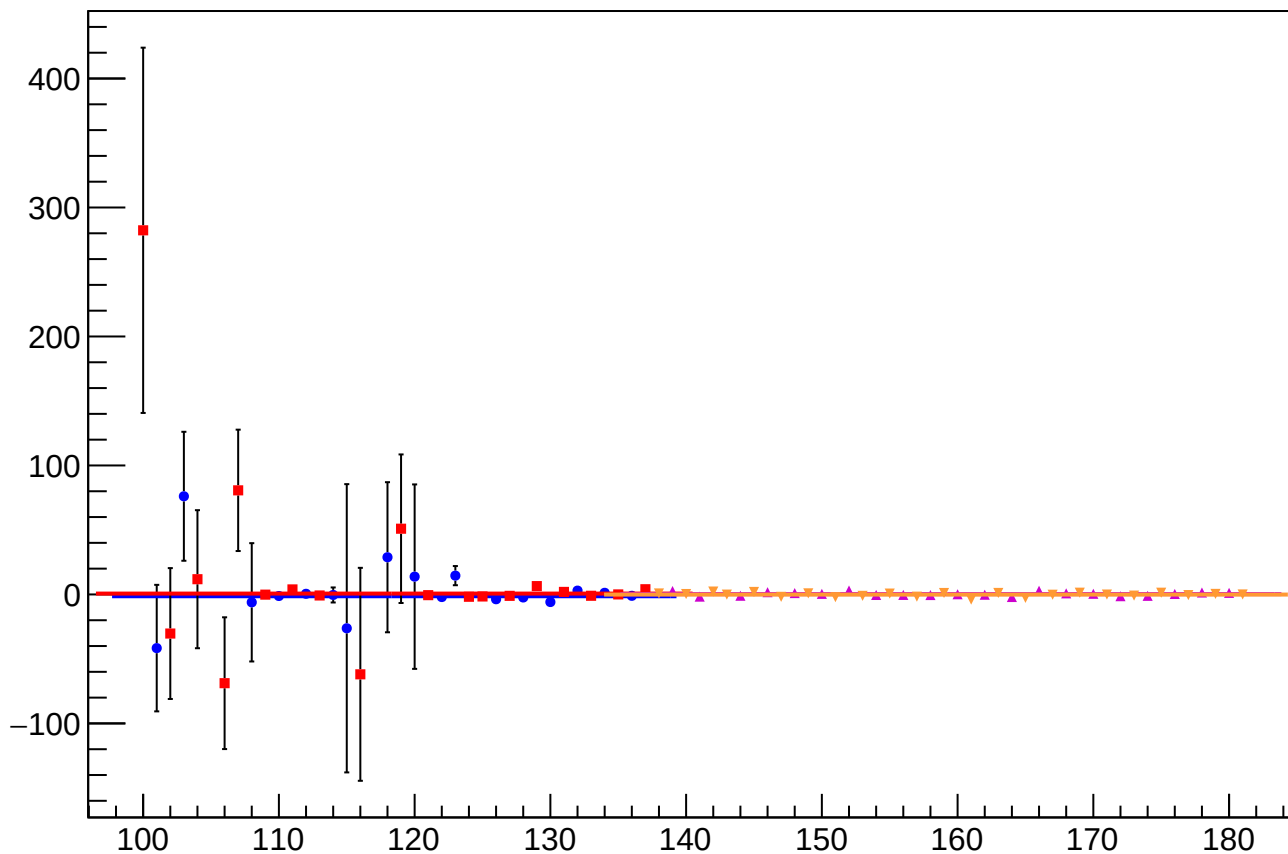
Left In: 4470.390 $\pm$ 0.793 χ^2 /NDF: 681781.4/20

+ sign 4064.375 $\pm$ 0.598 χ^2 /NDF: 1684545.7/39

All: 4070.274 $\pm$ 0.426 χ^2 /NDF: 3259299.0/79

- sign 4076.358 $\pm$ 0.607 χ^2 /NDF: 1574555.6/39

diff_bpm1p02bX_mean vs Slug



Right In: -1.402 ± 0.751 χ^2/NDF : 16.7/16

Left Out: -0.101 ± 0.255 χ^2/NDF : 34.0/22

Right Out: 0.664 ± 0.713 χ^2/NDF : 21.5/18

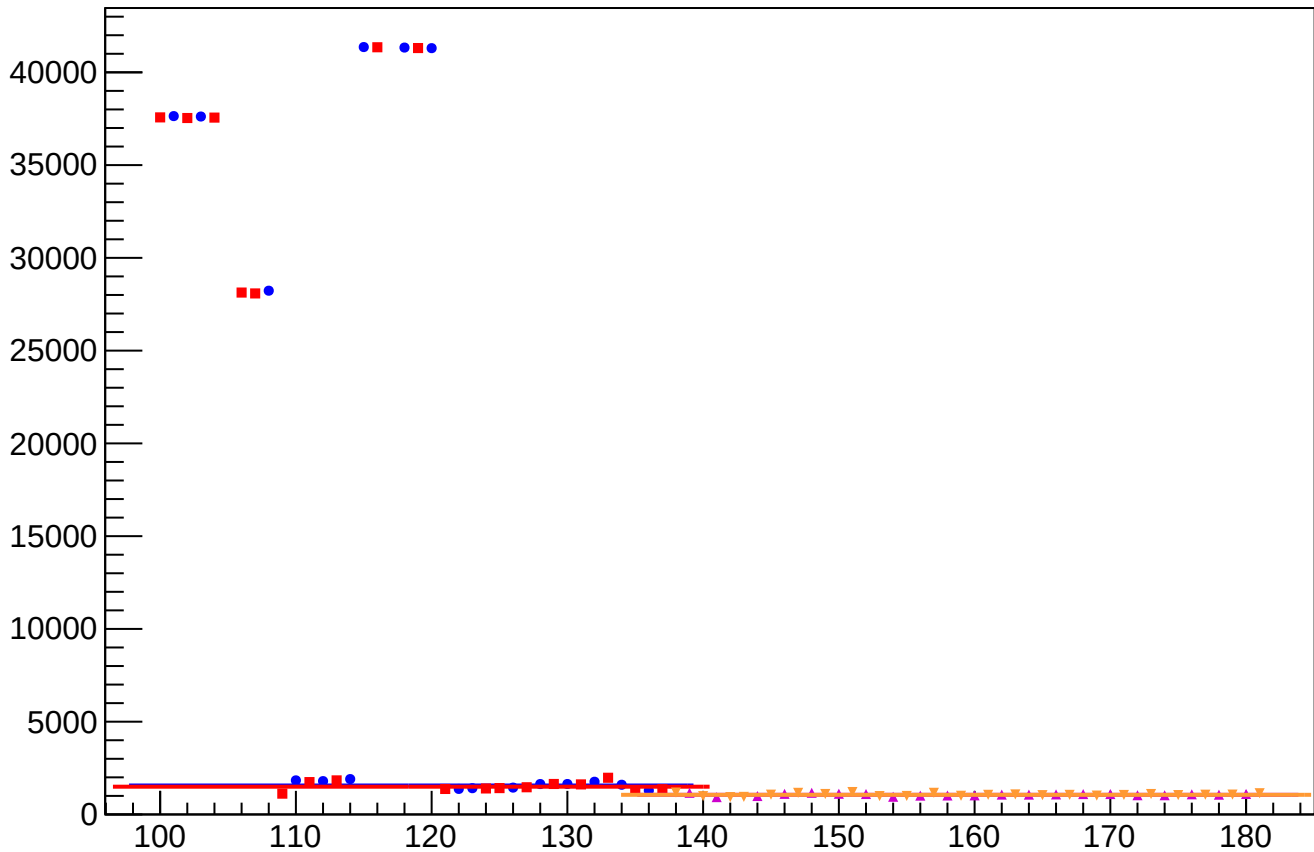
Left In: 0.259 ± 0.263 χ^2/NDF : 26.9/20

+ sign -0.235 ± 0.241 χ^2/NDF : 53.4/39

All: 0.030 ± 0.172 χ^2/NDF : 104.5/79

- sign 0.308 ± 0.246 χ^2/NDF : 48.6/39

diff_bpm1p02bX_rms vs Slug



Right In: 1560.531 $\pm$ 0.531 χ^2 /NDF: 4753218.6/16

Left Out: 1058.549 $\pm$ 0.180 χ^2 /NDF: 144567.9/22

Right Out: 1496.346 $\pm$ 0.504 χ^2 /NDF: 4893466.6/18

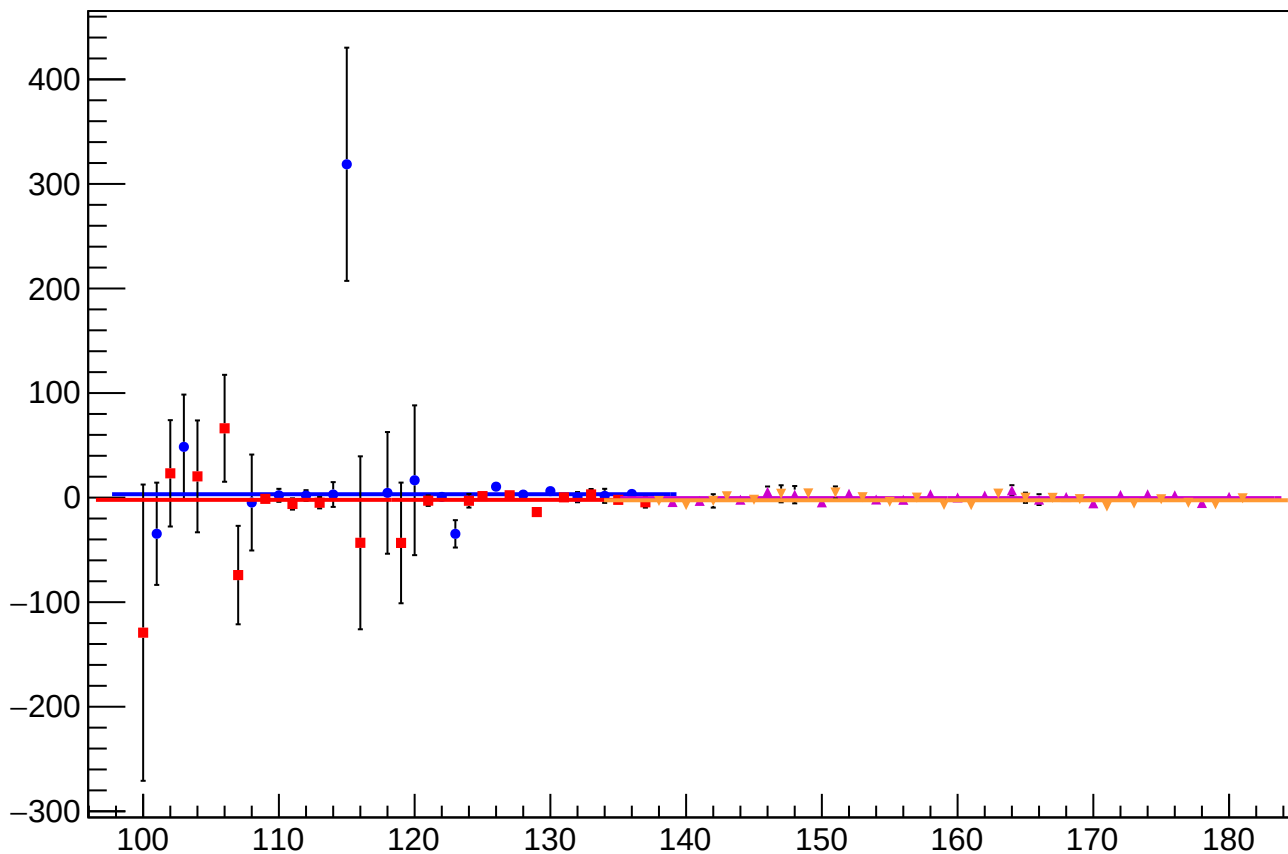
Left In: 1057.410 $\pm$ 0.186 χ^2 /NDF: 110776.5/20

+ sign 1110.332 $\pm$ 0.170 χ^2 /NDF: 5700000.3/39

All: 1110.096 $\pm$ 0.122 χ^2 /NDF: 11371567.1/7

- sign 1109.850 $\pm$ 0.174 χ^2 /NDF: 5671562.9/39

diff_bpm1p02bY_mean vs Slug



Right In: 3.232 $\pm$ 1.328 χ^2 /NDF: 22.2/16

Left Out: -2.533 $\pm$ 0.830 χ^2 /NDF: 17.4/22

Right Out: -2.138 $\pm$ 1.239 χ^2 /NDF: 16.5/18

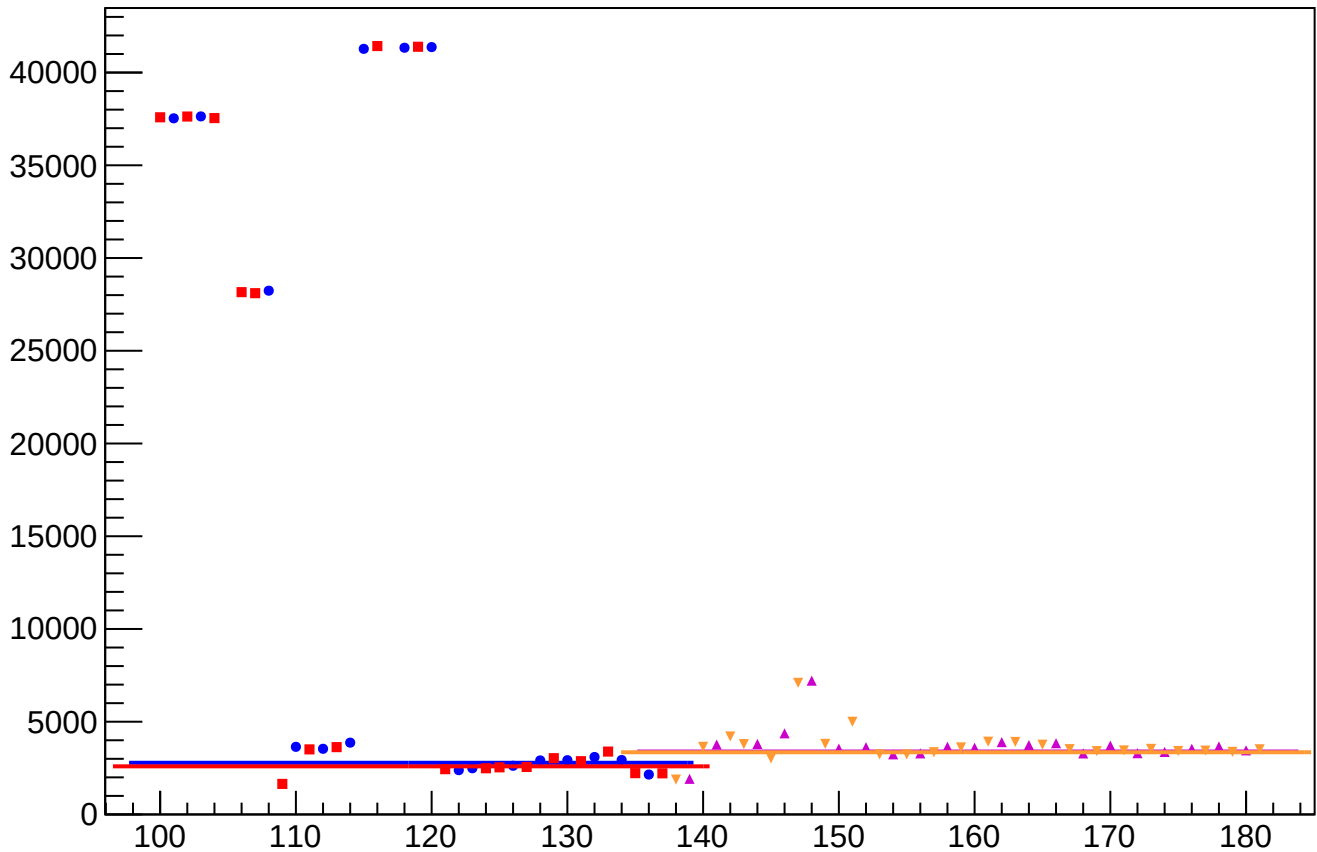
Left In: -0.479 $\pm$ 0.866 χ^2 /NDF: 15.4/20

+ sign -0.913 $\pm$ 0.704 χ^2 /NDF: 53.2/39

All: -0.968 $\pm$ 0.500 χ^2 /NDF: 86.4/79

- sign -1.023 $\pm$ 0.710 χ^2 /NDF: 33.1/39

diff_bpm1p02bY_rms vs Slug



Right In: 2786.135 $\pm$ 0.939 χ^2 /NDF: 4576694.3/16

Left Out: 3353.258 $\pm$ 0.587 χ^2 /NDF: 1631407.1/22

Right Out: 2593.843 $\pm$ 0.876 χ^2 /NDF: 4848397.1/18

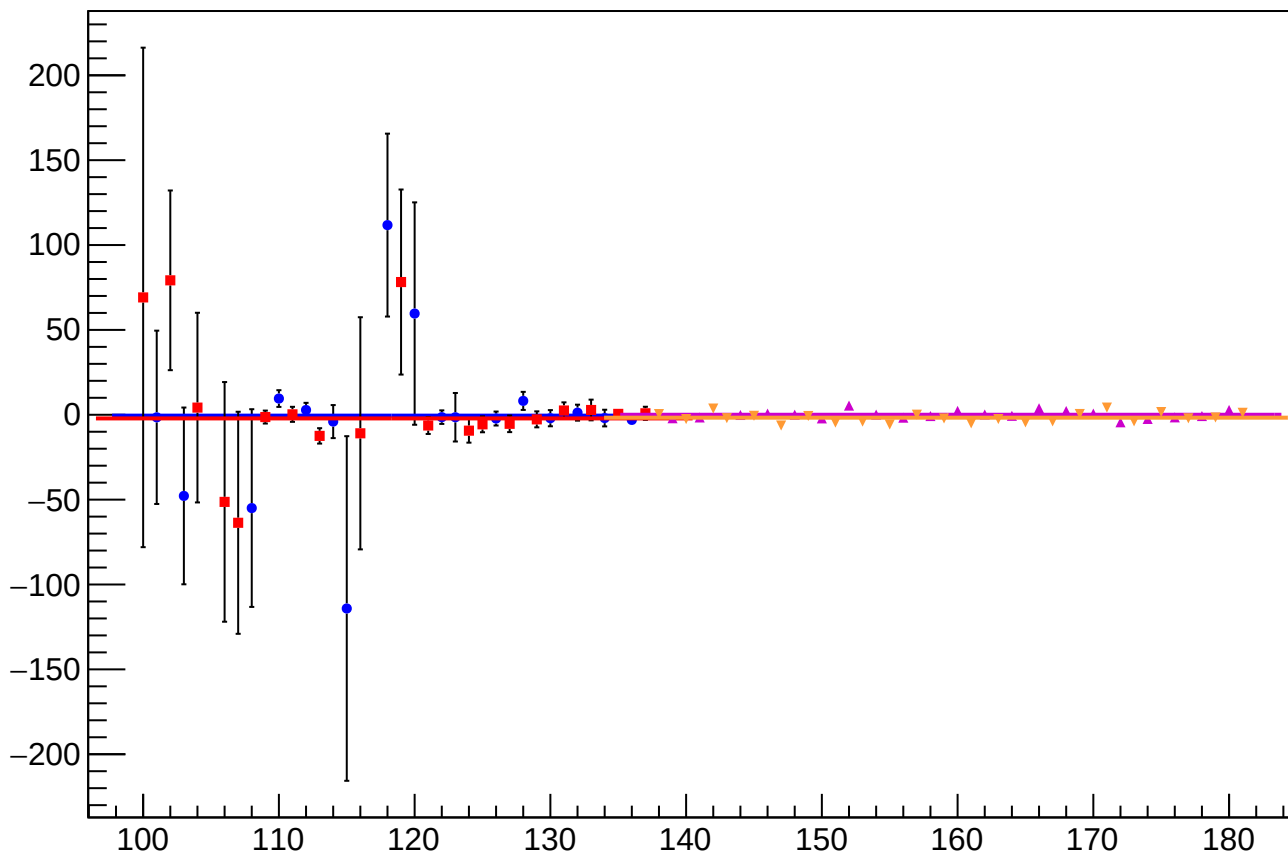
Left In: 3393.312 $\pm$ 0.612 χ^2 /NDF: 1416830.3/20

+ sign 3193.892 $\pm$ 0.498 χ^2 /NDF: 6470453.5/39

All: 3162.742 $\pm$ 0.353 χ^2 /NDF: 13302901.5/7

- sign 3131.063 $\pm$ 0.502 χ^2 /NDF: 6824546.4/39

diff_bpm1p03aX_mean vs Slug



Right In: -0.510 ± 1.222 χ^2/NDF : 18.0/16

Left Out: -1.714 ± 0.399 χ^2/NDF : 45.1/22

Right Out: -2.152 ± 1.250 χ^2/NDF : 17.6/18

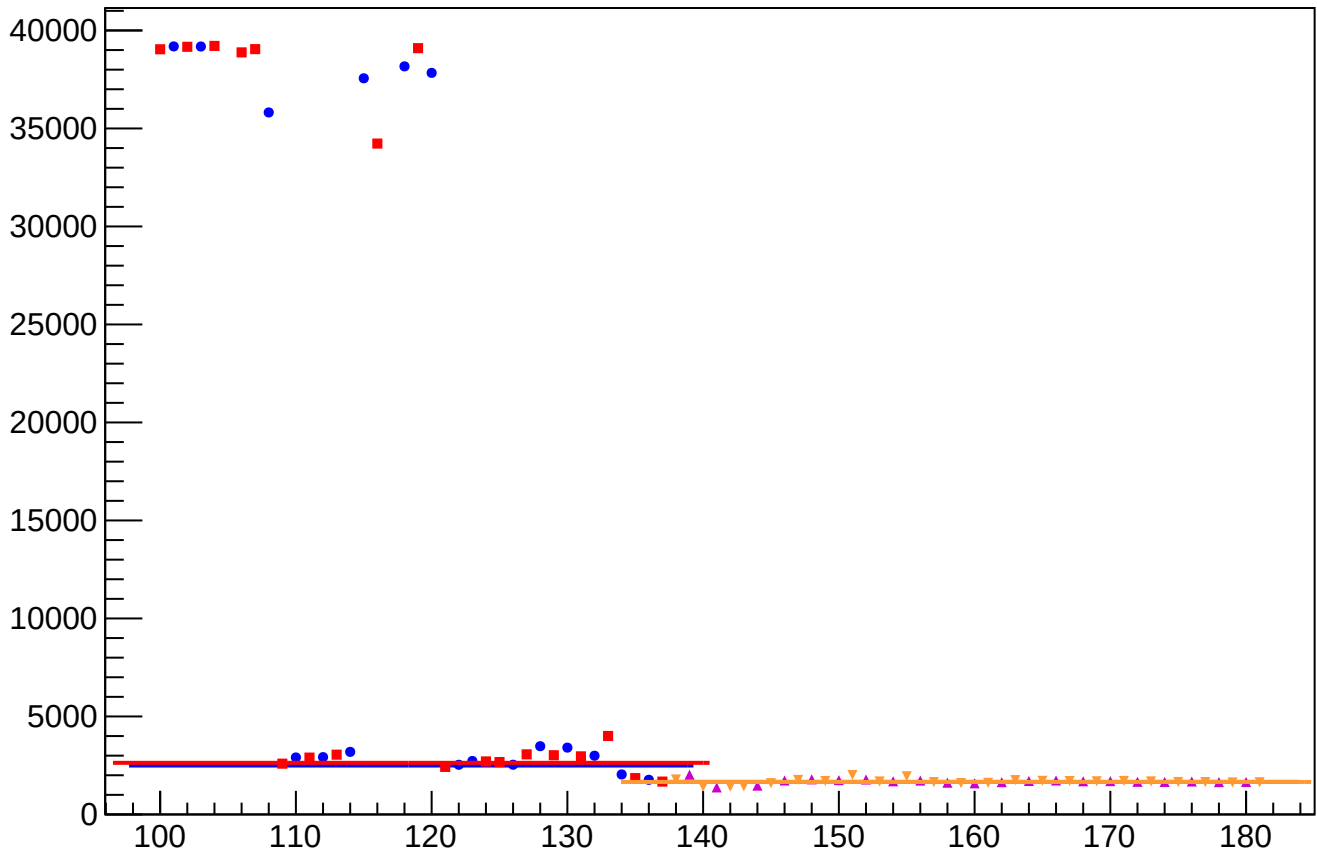
Left In: 0.005 ± 0.413 χ^2/NDF : 27.6/20

+ sign -1.598 ± 0.380 χ^2/NDF : 63.9/39

All: -0.926 ± 0.273 χ^2/NDF : 118.3/79

- sign -0.208 ± 0.393 χ^2/NDF : 47.9/39

diff_bpm1p03aX_rms vs Slug



Right In: 2496.856 ± 0.864 $\chi^2/\text{NDF}: 4887806.1/16$

Left Out: 1658.166 ± 0.282 $\chi^2/\text{NDF}: 215499.8/22$

Right Out: 2634.601 ± 0.884 $\chi^2/\text{NDF}: 4861733.2/18$

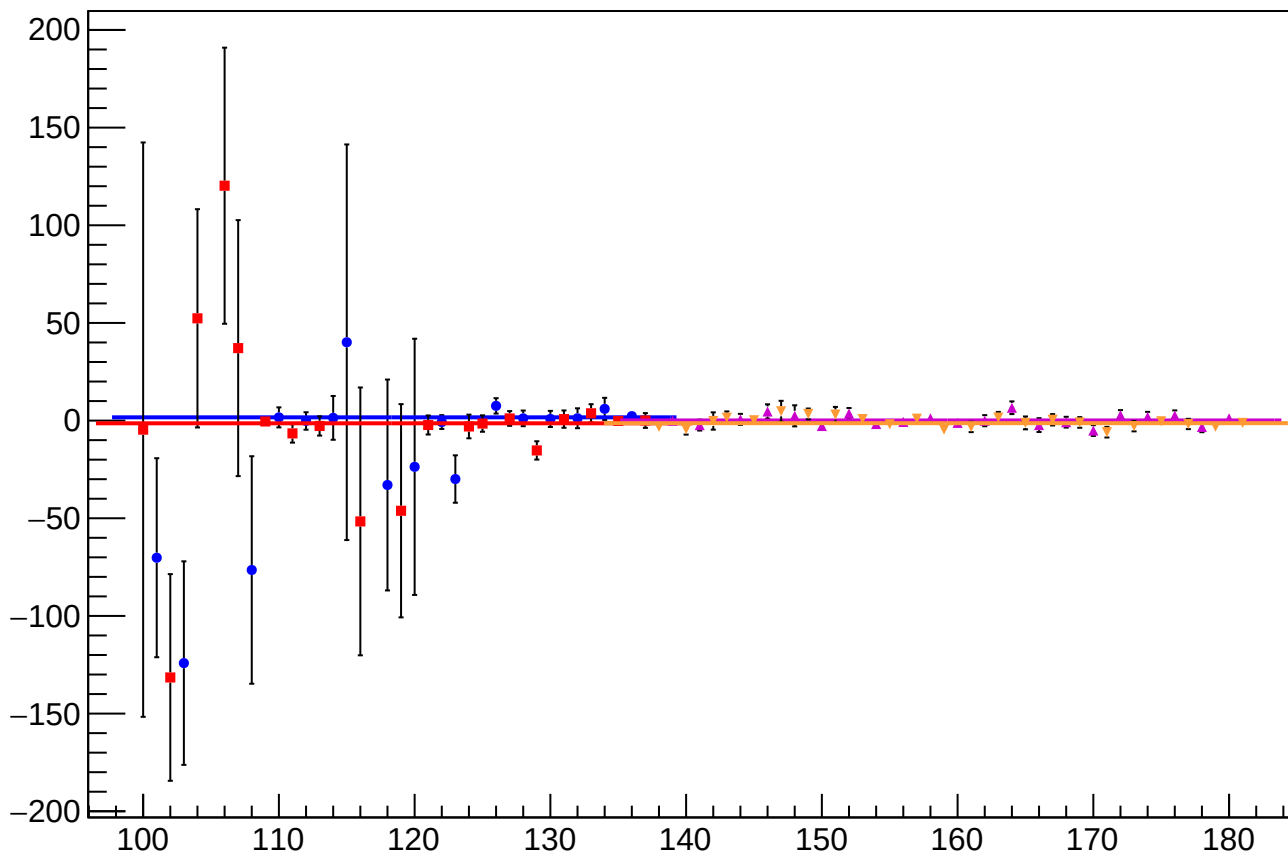
Left In: 1662.473 ± 0.292 $\chi^2/\text{NDF}: 178472.9/20$

+ sign 1739.101 ± 0.268 $\chi^2/\text{NDF}: 5954637.4/39$

All: 1748.391 ± 0.193 $\chi^2/\text{NDF}: 12087676.6/79$

- sign 1758.326 ± 0.278 $\chi^2/\text{NDF}: 6130559.9/39$

diff_bpm1p03aY_mean vs Slug



Right In: 1.671 ± 1.146 χ^2/NDF : 20.7/16

Left Out: -1.317 ± 0.549 χ^2/NDF : 19.1/22

Right Out: -1.380 ± 1.065 χ^2/NDF : 24.1/18

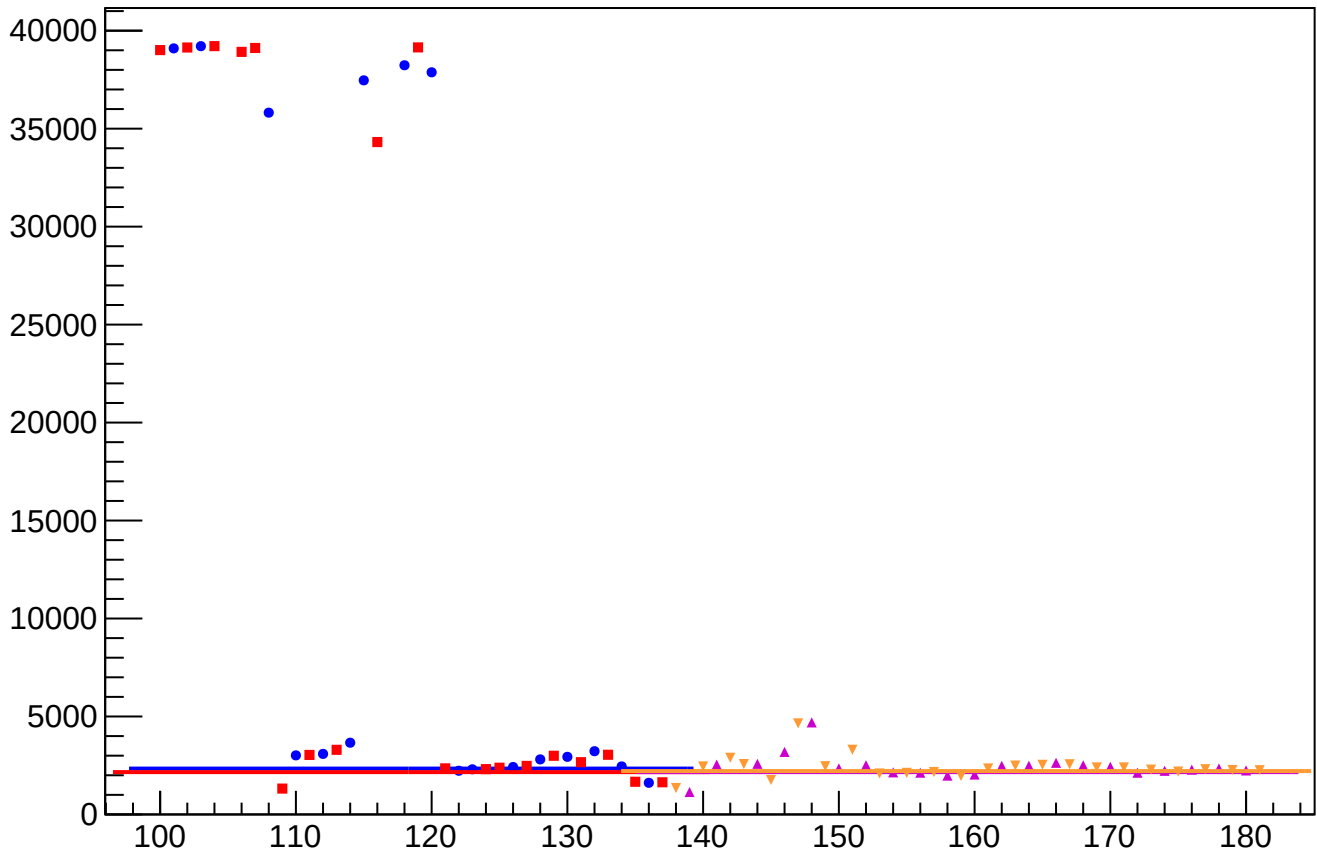
Left In: 0.080 ± 0.557 χ^2/NDF : 18.9/20

+ sign -0.759 ± 0.495 χ^2/NDF : 45.3/39

All: -0.495 ± 0.350 χ^2/NDF : 90.3/79

- sign -0.233 ± 0.494 χ^2/NDF : 44.4/39

diff_bpm1p03aY_rms vs Slug



Right In: 2341.220+/-0.810 χ^2/NDF : 5006482.9/16

Left Out: 2213.515+/-0.388 χ^2/NDF : 1409460.9/22

Right Out: 2161.211+/-0.753 χ^2/NDF : 5301782.5/18

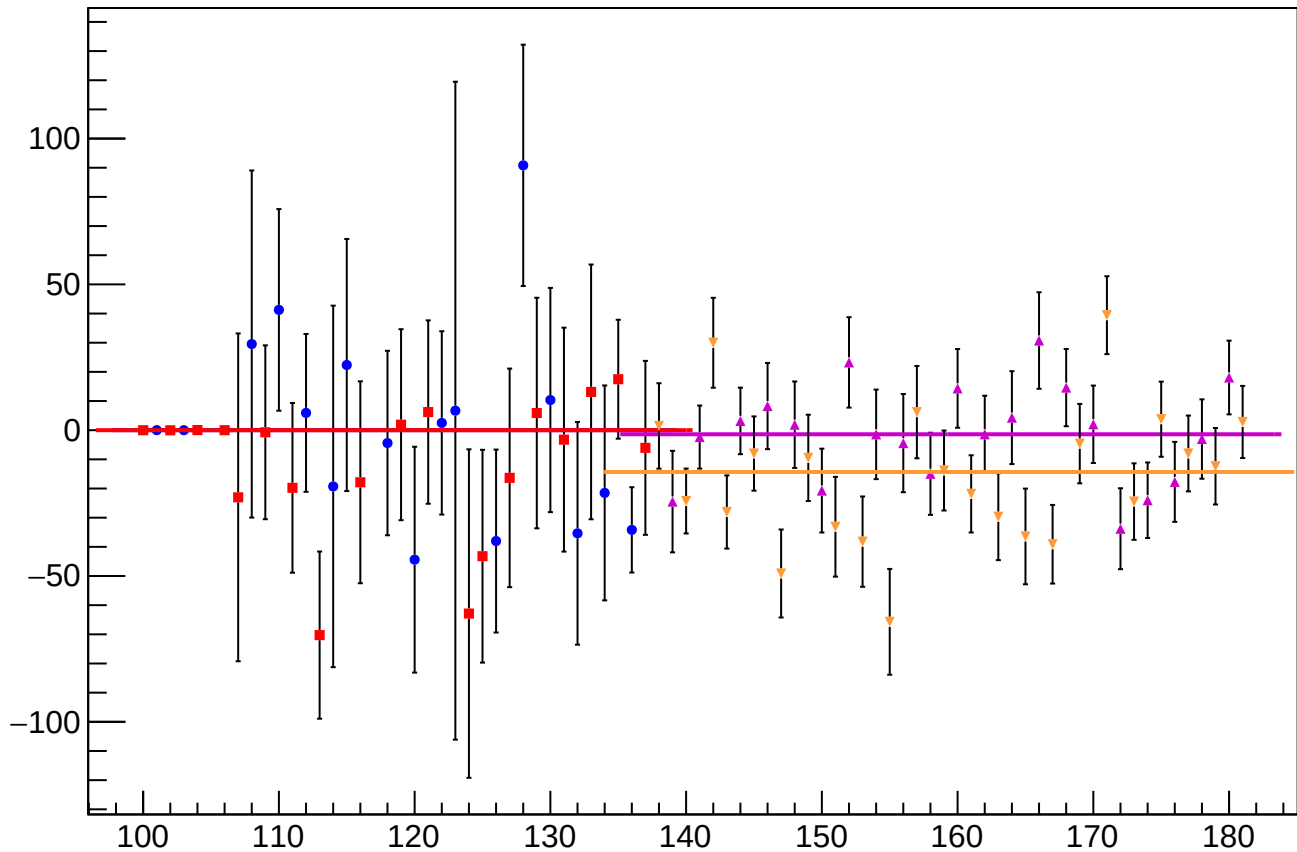
Left In: 2160.518+/-0.394 χ^2/NDF : 1965701.8/20

+ sign 2237.354+/-0.350 χ^2/NDF : 6436136.3/39

All: 2198.891+/-0.247 χ^2/NDF : 13727675.5/79

- sign 2160.667+/-0.349 χ^2/NDF : 7267485.0/39

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 16.6/16

Left Out: -14.328 ± 2.900 χ^2/NDF : 58.5/22

Right Out: 0.003 ± 0.016 χ^2/NDF : 15.5/18

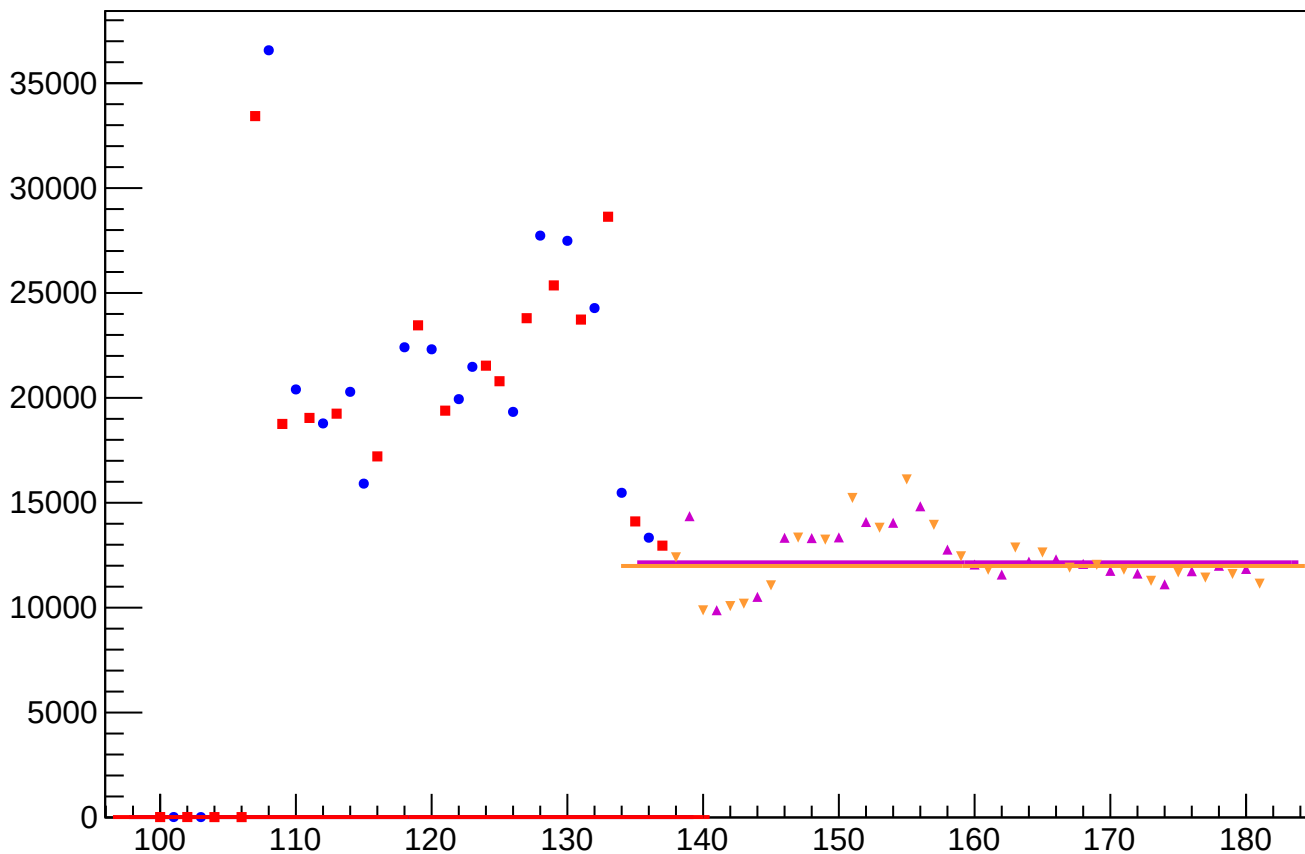
Left In: -1.396 ± 3.032 χ^2/NDF : 26.8/20

+ sign 0.013 ± 0.017 χ^2/NDF : 99.5/39

All: 0.008 ± 0.012 χ^2/NDF : 142.2/79

- sign 0.003 ± 0.016 χ^2/NDF : 42.5/39

diff_cav4bX_rms vs Slug



Right In: 18.641 $\pm$ 0.012 χ^2 /NDF: 10941777.3/16

Left Out: 11987.301 $\pm$ 2.050 χ^2 /NDF: 455228.9/22

Right Out: 18.311 $\pm$ 0.011 χ^2 /NDF: 11063399.8/18

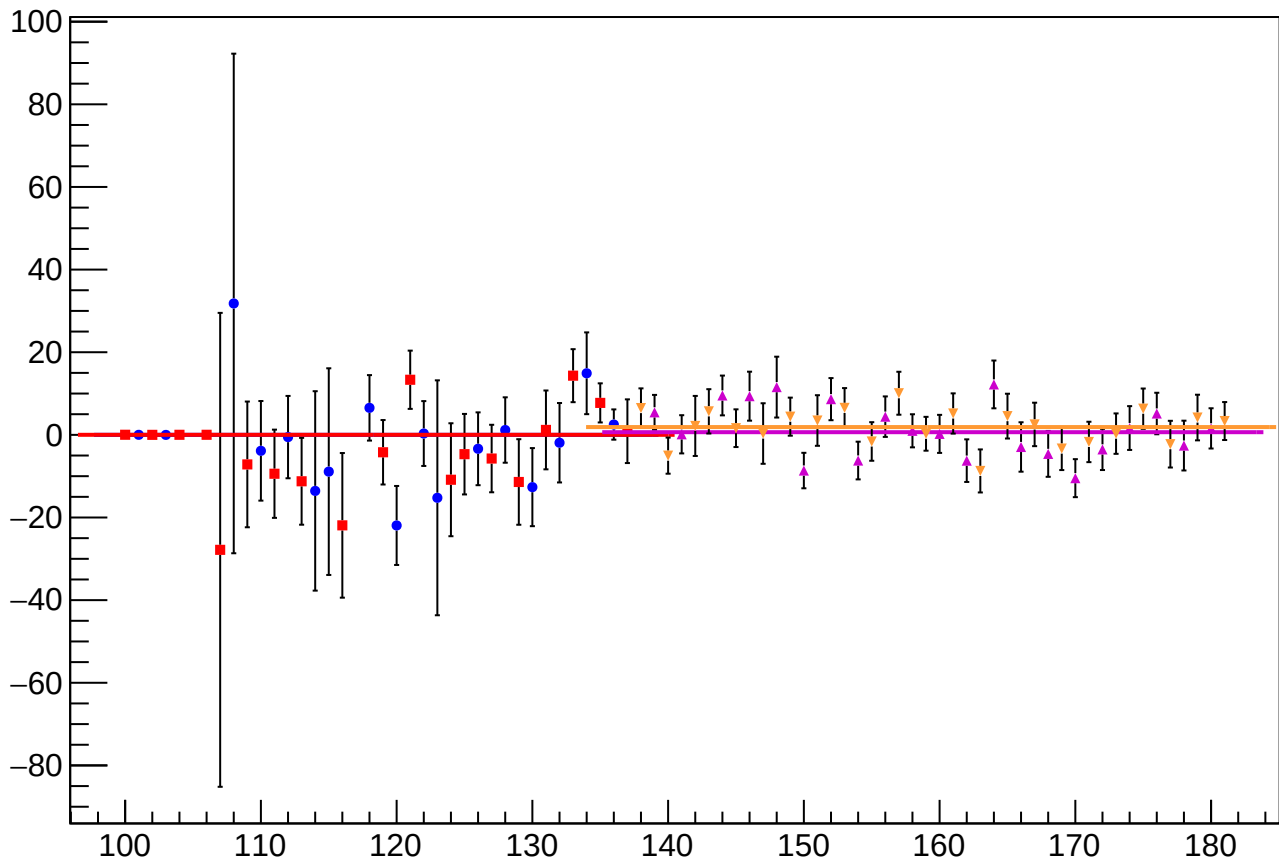
Left In: 12159.973 $\pm$ 2.144 χ^2 /NDF: 341782.1/20

+ sign 19.069 $\pm$ 0.012 χ^2 /NDF: 45470300.2/39

All: 18.845 $\pm$ 0.008 χ^2 /NDF: 88952168.2/79

- sign 18.652 $\pm$ 0.011 χ^2 /NDF: 43481246.7/39

diff_cav4bY_mean vs Slug



Right In: 0.001 ± 0.009 χ^2/NDF : 12.9/16

Left Out: 1.887 ± 1.054 χ^2/NDF : 16.6/22

Right Out: 0.014 ± 0.009 χ^2/NDF : 18.8/18

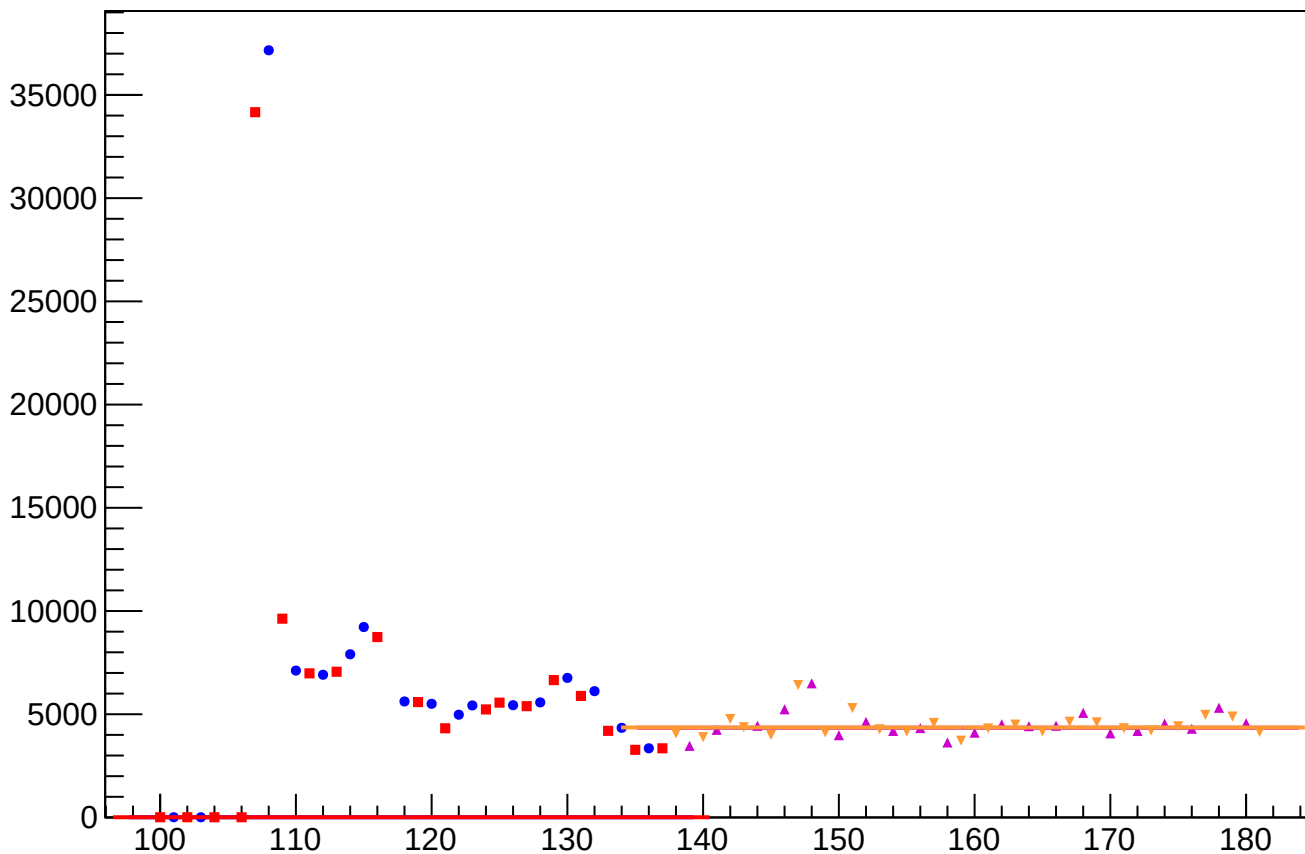
Left In: 0.646 ± 1.088 χ^2/NDF : 33.8/20

+ sign 0.001 ± 0.009 χ^2/NDF : 32.7/39

All: 0.008 ± 0.006 χ^2/NDF : 86.8/79

- sign 0.014 ± 0.009 χ^2/NDF : 52.9/39

diff_cav4bY_rms vs Slug



Right In: 9.939 $\pm$ 0.007 χ^2 /NDF: 11067258.7/16

Left Out: 4358.642 $\pm$ 0.745 χ^2 /NDF: 378049.1/22

Right Out: 9.854 $\pm$ 0.006 χ^2 /NDF: 11113759.9/18

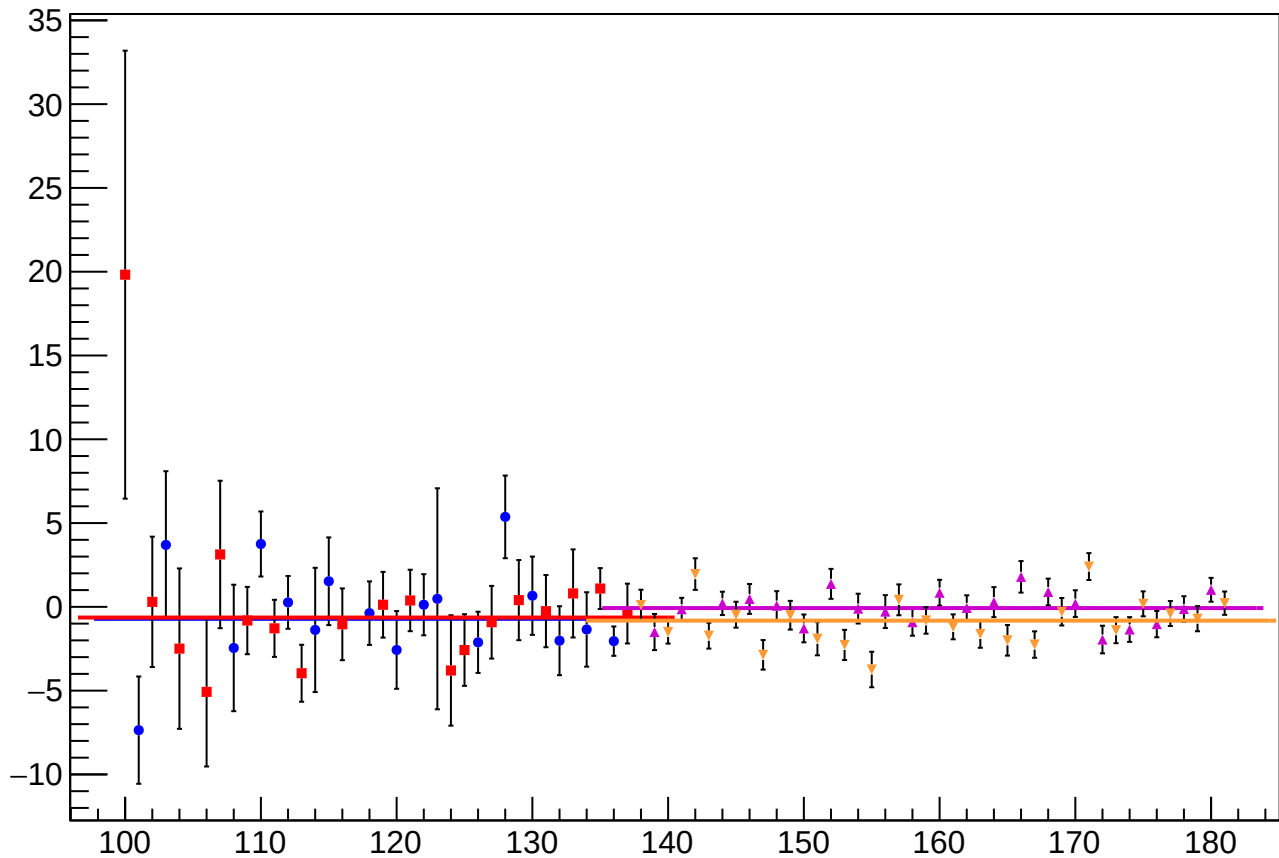
Left In: 4345.009 $\pm$ 0.769 χ^2 /NDF: 500558.0/20

+ sign 10.270 $\pm$ 0.007 χ^2 /NDF: 45484016.7/39

All: 10.195 $\pm$ 0.004 χ^2 /NDF: 88868221.9/79

- sign 10.128 $\pm$ 0.006 χ^2 /NDF: 43383952.9/39

diff_cav4cX_mean vs Slug



Right In: -0.713 ± 0.483 χ^2/NDF : 22.7/16

Left Out: -0.822 ± 0.170 χ^2/NDF : 58.5/22

Right Out: -0.638 ± 0.501 χ^2/NDF : 13.1/18

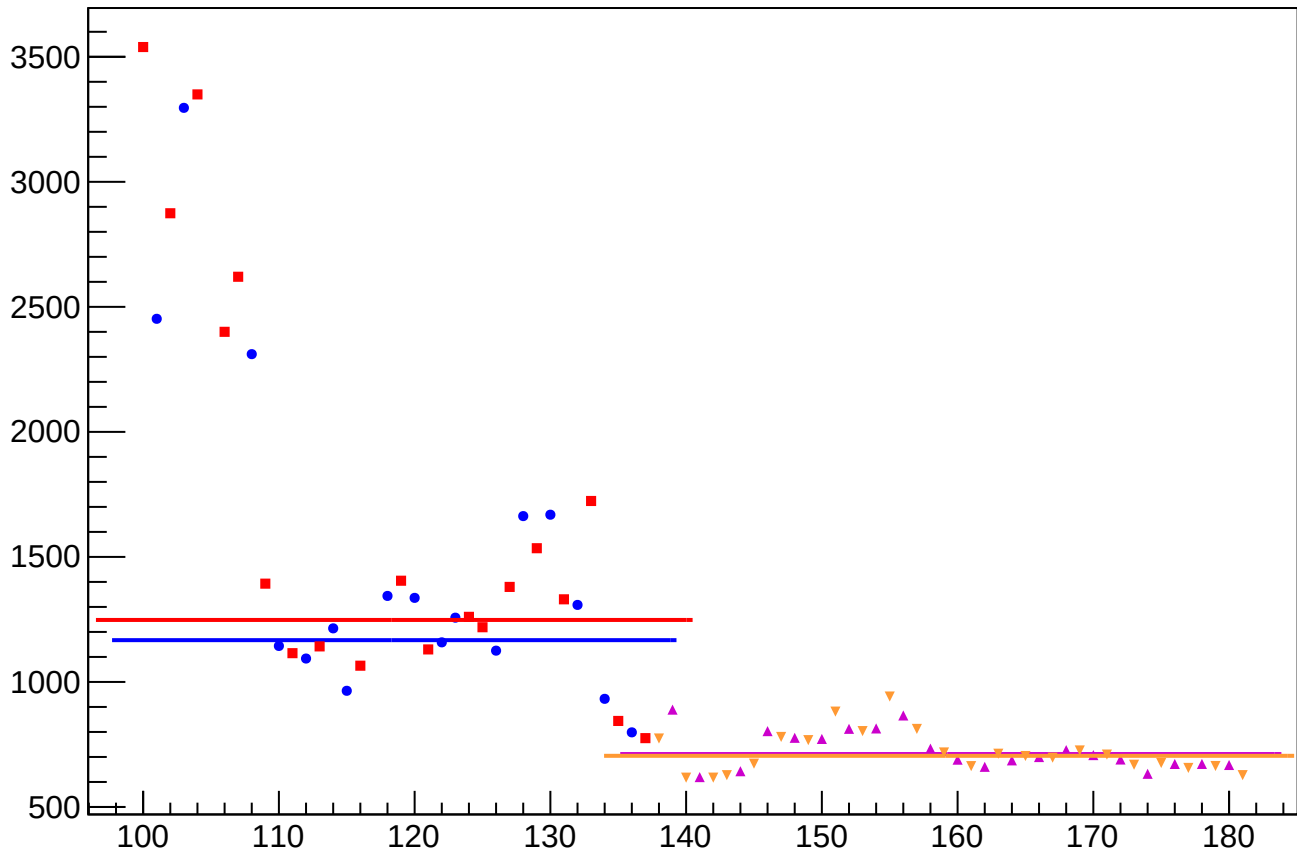
Left In: -0.073 ± 0.177 χ^2/NDF : 27.3/20

+ sign -0.810 ± 0.161 χ^2/NDF : 81.3/39

All: -0.487 ± 0.116 χ^2/NDF : 131.2/79

- sign -0.136 ± 0.167 χ^2/NDF : 41.5/39

diff_cav4cX_rms vs Slug



Right In: 1167.121 $\pm$ 0.342 χ^2 /NDF: 1580218.1/16

Left Out: 704.598 $\pm$ 0.120 χ^2 /NDF: 378948.9/22

Right Out: 1247.915 $\pm$ 0.355 χ^2 /NDF: 1653323.6/18

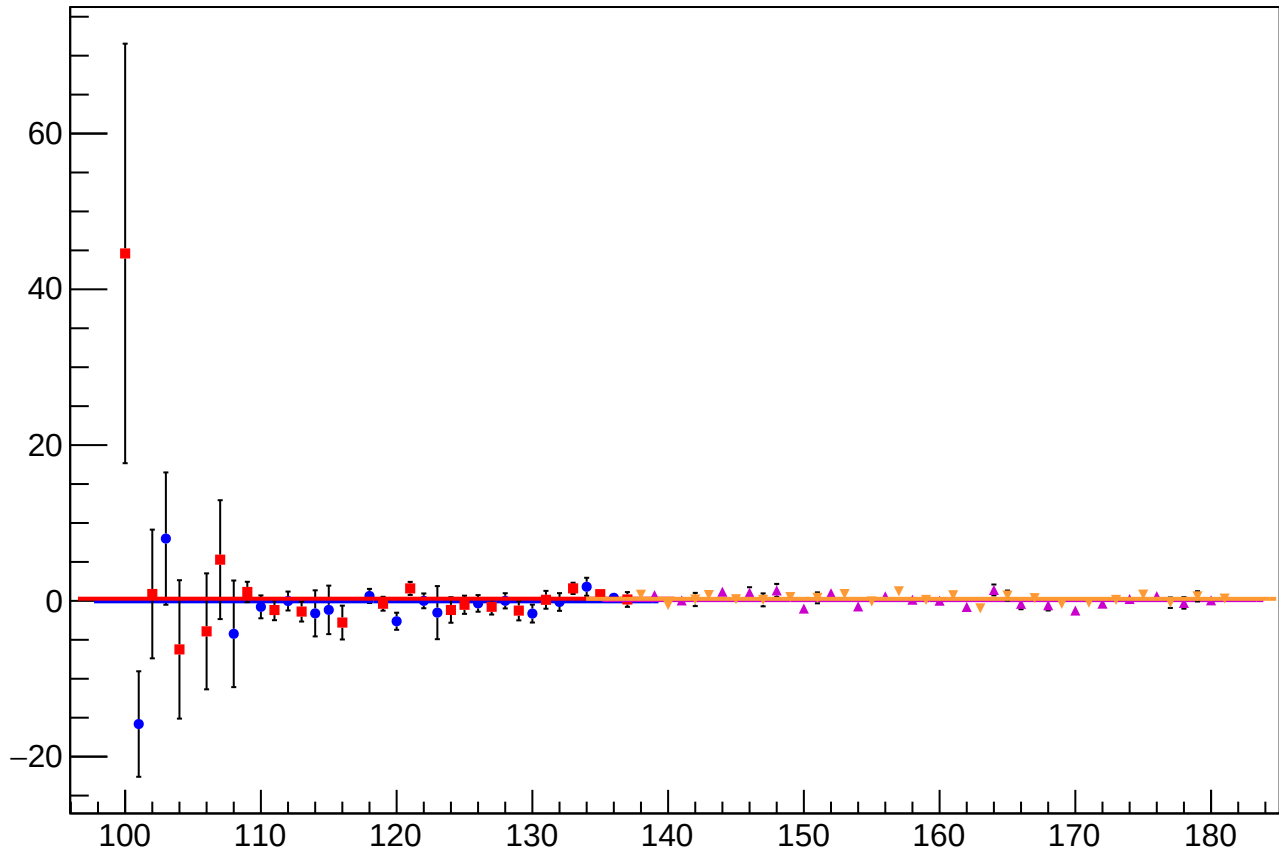
Left In: 711.662 $\pm$ 0.125 χ^2 /NDF: 312498.2/20

+ sign 755.659 $\pm$ 0.114 χ^2 /NDF: 3589880.8/39

All: 763.140 $\pm$ 0.082 χ^2 /NDF: 7597610.2/79

- sign 771.252 $\pm$ 0.118 χ^2 /NDF: 3998676.6/39

diff_cav4cY_mean vs Slug



Right In: -0.060 ± 0.269 $\chi^2/\text{NDF}: 19.1/16$

Left Out: 0.262 ± 0.126 $\chi^2/\text{NDF}: 16.2/22$

Right Out: 0.280 ± 0.264 $\chi^2/\text{NDF}: 20.5/18$

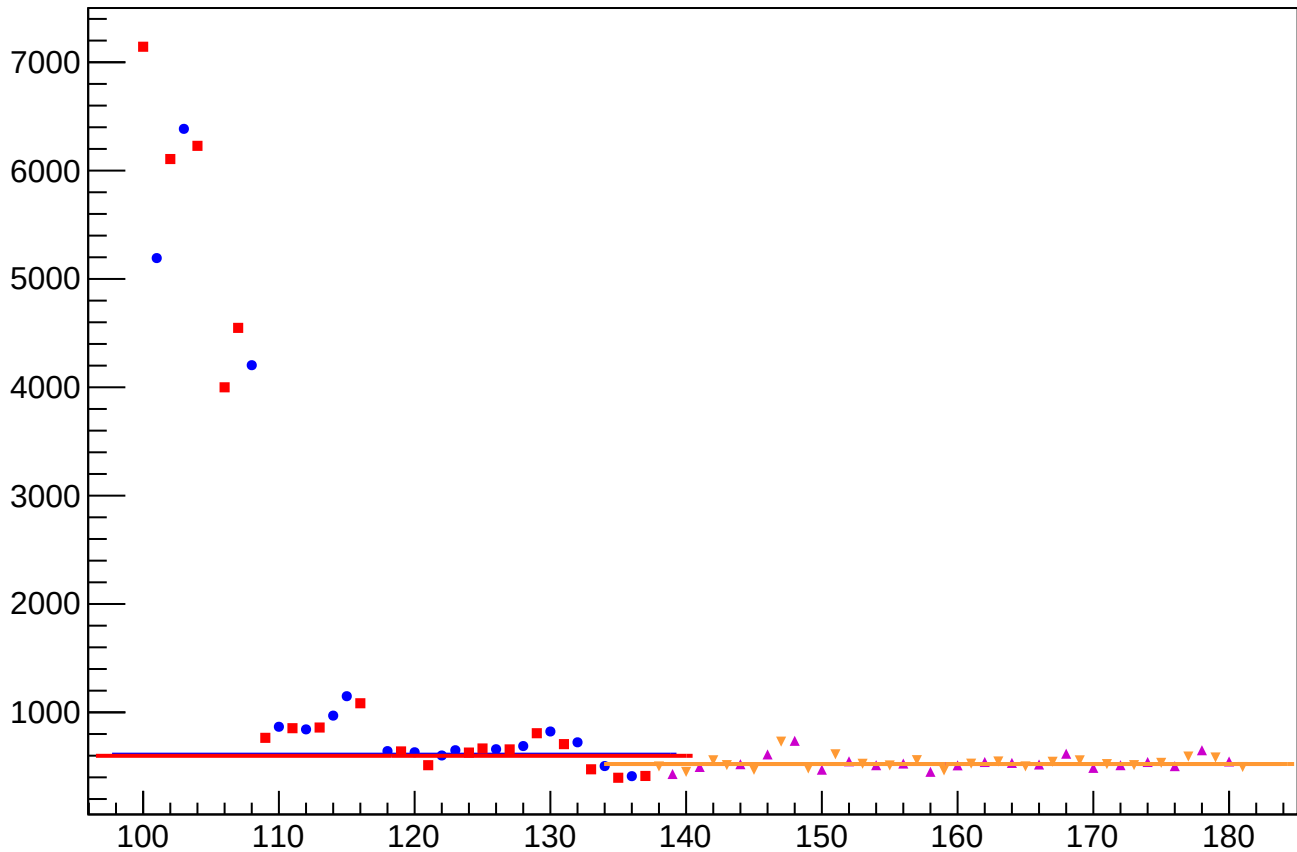
Left In: 0.094 ± 0.131 $\chi^2/\text{NDF}: 33.2/20$

+ sign 0.204 ± 0.114 $\chi^2/\text{NDF}: 36.5/39$

All: 0.168 ± 0.082 $\chi^2/\text{NDF}: 90.9/79$

- sign 0.130 ± 0.117 $\chi^2/\text{NDF}: 54.2/39$

diff_cav4cY_rms vs Slug



Right In: 609.385+/-0.190 χ^2/NDF : 3134318.6/16

Left Out: 523.082+/-0.089 χ^2/NDF : 326435.3/22

+ sign 538.685+/-0.081 χ^2/NDF : 3629400.4/39

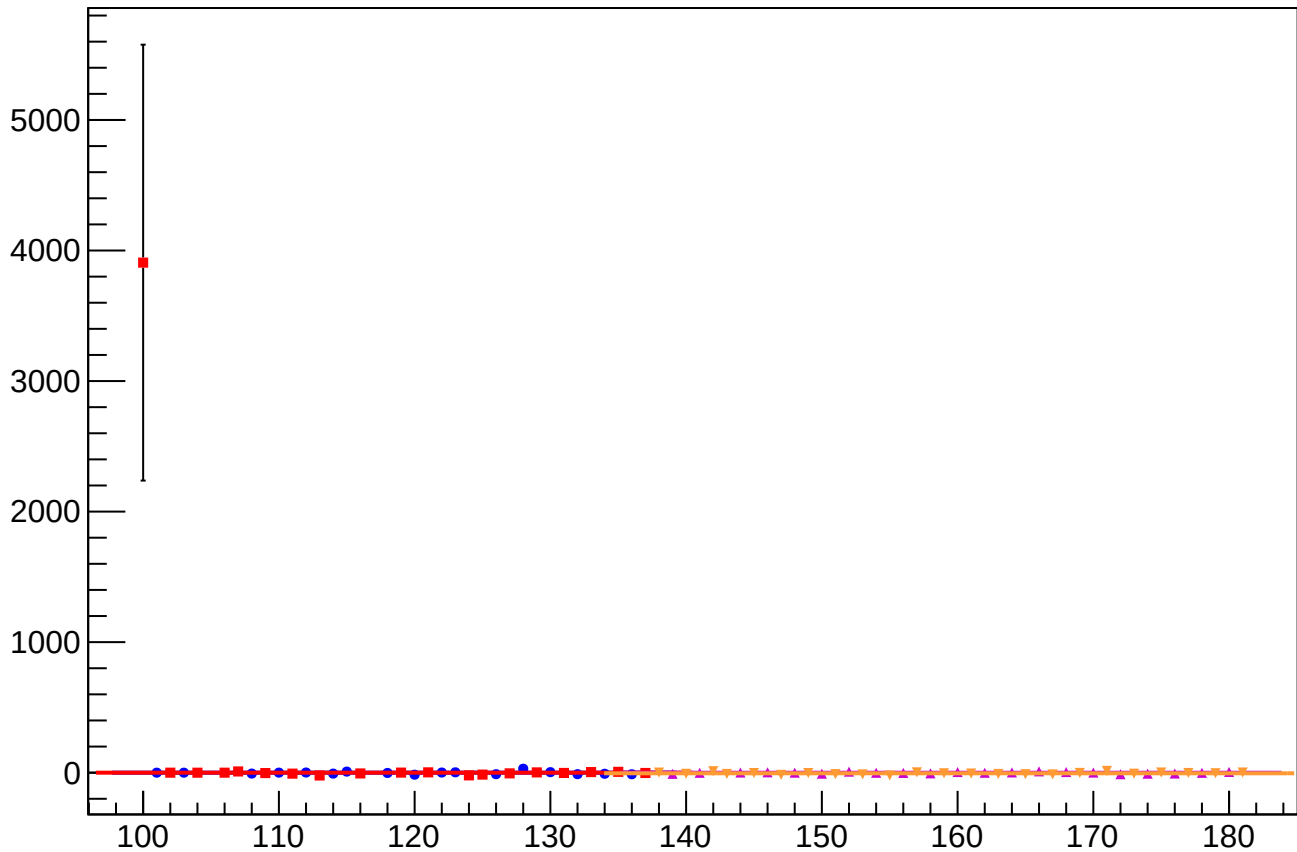
Right Out: 598.820+/-0.187 χ^2/NDF : 3552236.2/18

All: 538.302+/-0.058 χ^2/NDF : 7731045.8/79

- sign 537.899+/-0.083 χ^2/NDF : 4101599.4/39

Left In: 523.010+/-0.092 χ^2/NDF : 417252.3/20

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 16.0/16

Left Out: -4.768 ± 0.991 χ^2/NDF : 58.3/22

Right Out: -0.027 ± 0.020 χ^2/NDF : 17.4/18

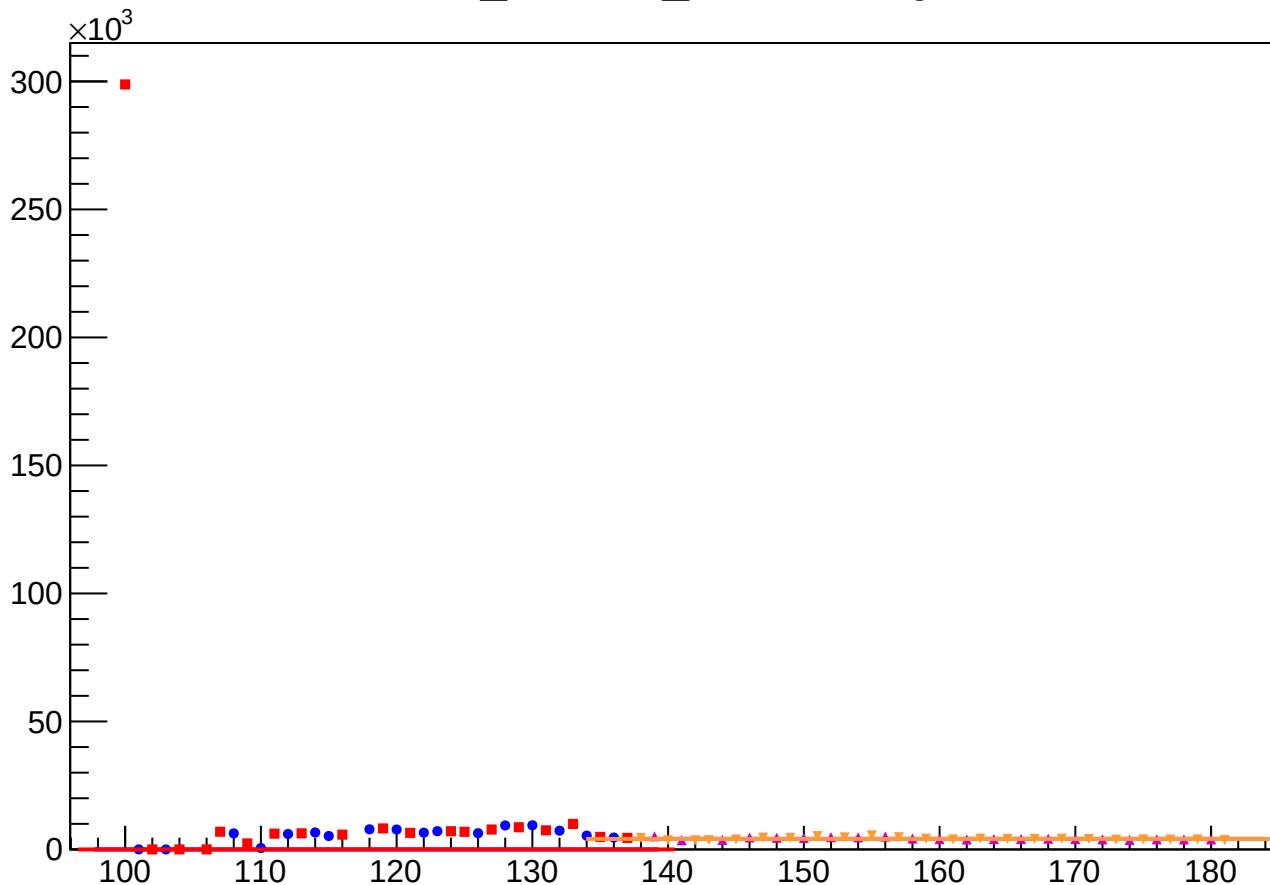
Left In: -0.495 ± 1.033 χ^2/NDF : 27.3/20

+ sign -0.024 ± 0.021 χ^2/NDF : 97.2/39

All: -0.025 ± 0.014 χ^2/NDF : 142.2/79

- sign -0.027 ± 0.020 χ^2/NDF : 45.0/39

diff_cav4dX_rms vs Slug



Right In: 17.339 $\pm$ 0.015 χ^2 /NDF: 10457335.9/16

Left Out: 4100.551 $\pm$ 0.701 χ^2 /NDF: 397874.0/22

Right Out: 17.267 $\pm$ 0.014 χ^2 /NDF: 10773848.1/18

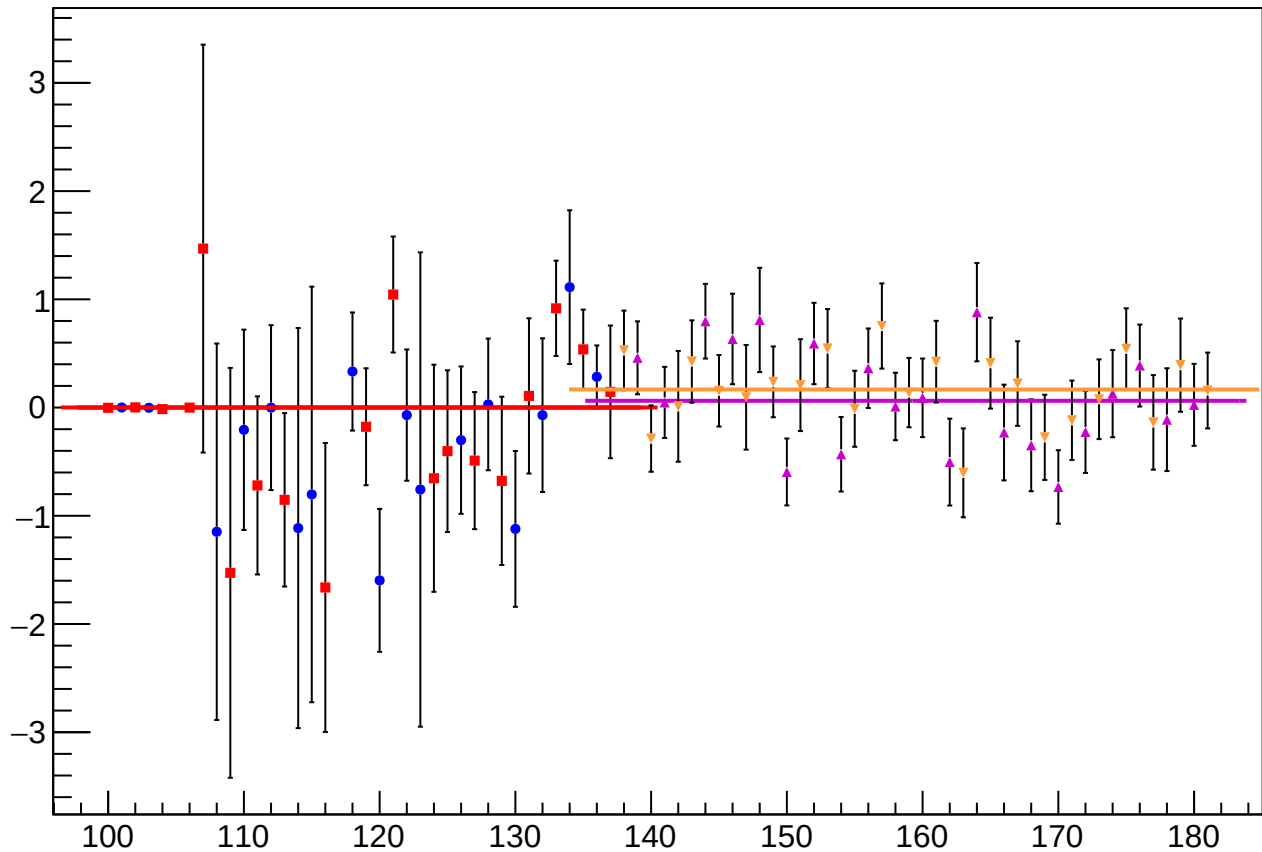
Left In: 4147.427 $\pm$ 0.731 χ^2 /NDF: 321036.5/20

+ sign 19.137 $\pm$ 0.015 χ^2 /NDF: 44809438.2/39

All: 18.949 $\pm$ 0.010 χ^2 /NDF: 87835521.0/79

- sign 18.779 $\pm$ 0.014 χ^2 /NDF: 43025771.9/39

diff_cav4dY_mean vs Slug



Right In: 0.000 ± 0.002 χ^2/NDF : 13.6/16

Left Out: 0.167 ± 0.079 χ^2/NDF : 15.4/22

Right Out: 0.001 ± 0.002 χ^2/NDF : 18.2/18

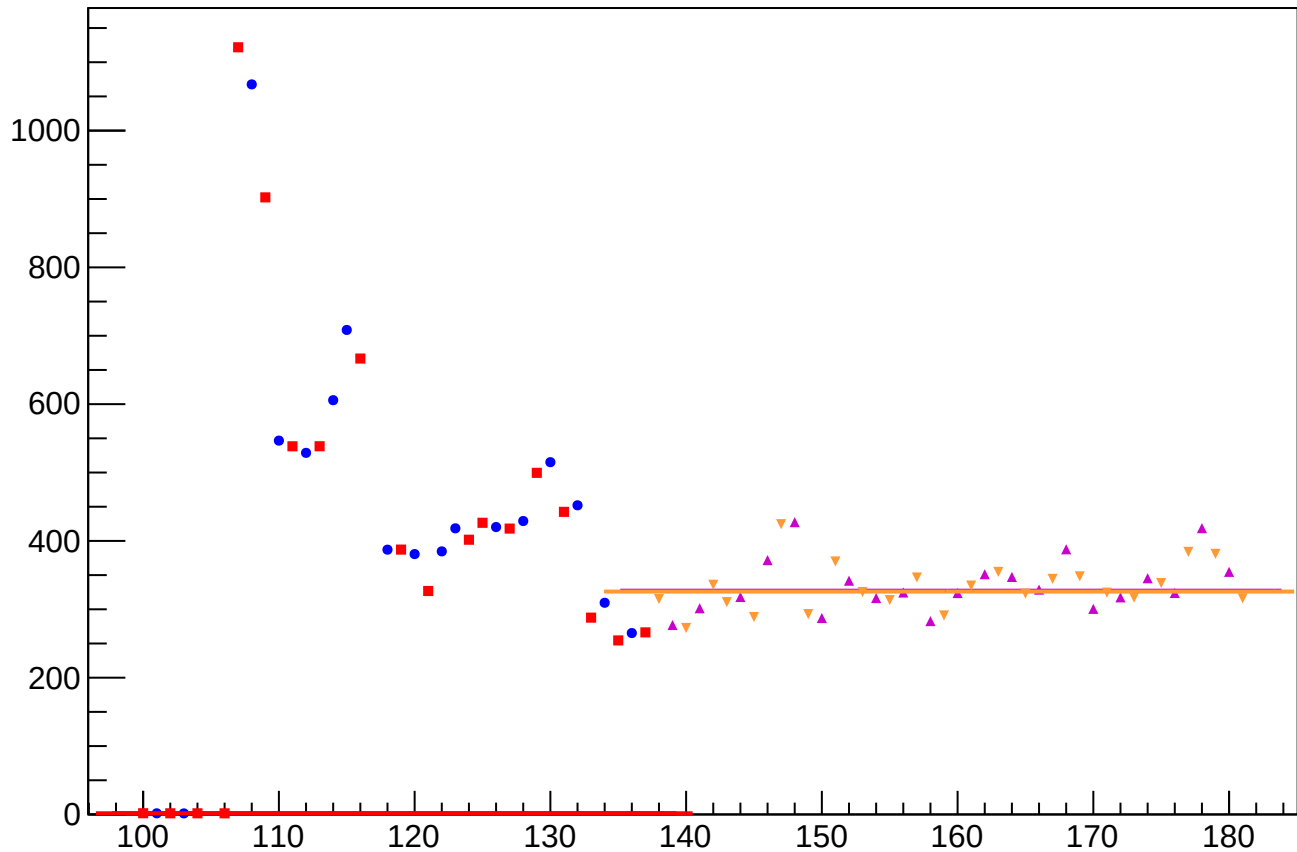
Left In: 0.063 ± 0.082 χ^2/NDF : 33.1/20

+ sign 0.000 ± 0.002 χ^2/NDF : 33.4/39

All: 0.001 ± 0.001 χ^2/NDF : 85.3/79

- sign 0.001 ± 0.002 χ^2/NDF : 51.8/39

diff_cav4dY_rms vs Slug



Right In: 1.699+/-0.001 χ^2/NDF : 11006381.5/16

Left Out: 325.934+/-0.056 χ^2/NDF : 343084.6/22

Right Out: 1.728+/-0.001 χ^2/NDF : 10697829.6/18

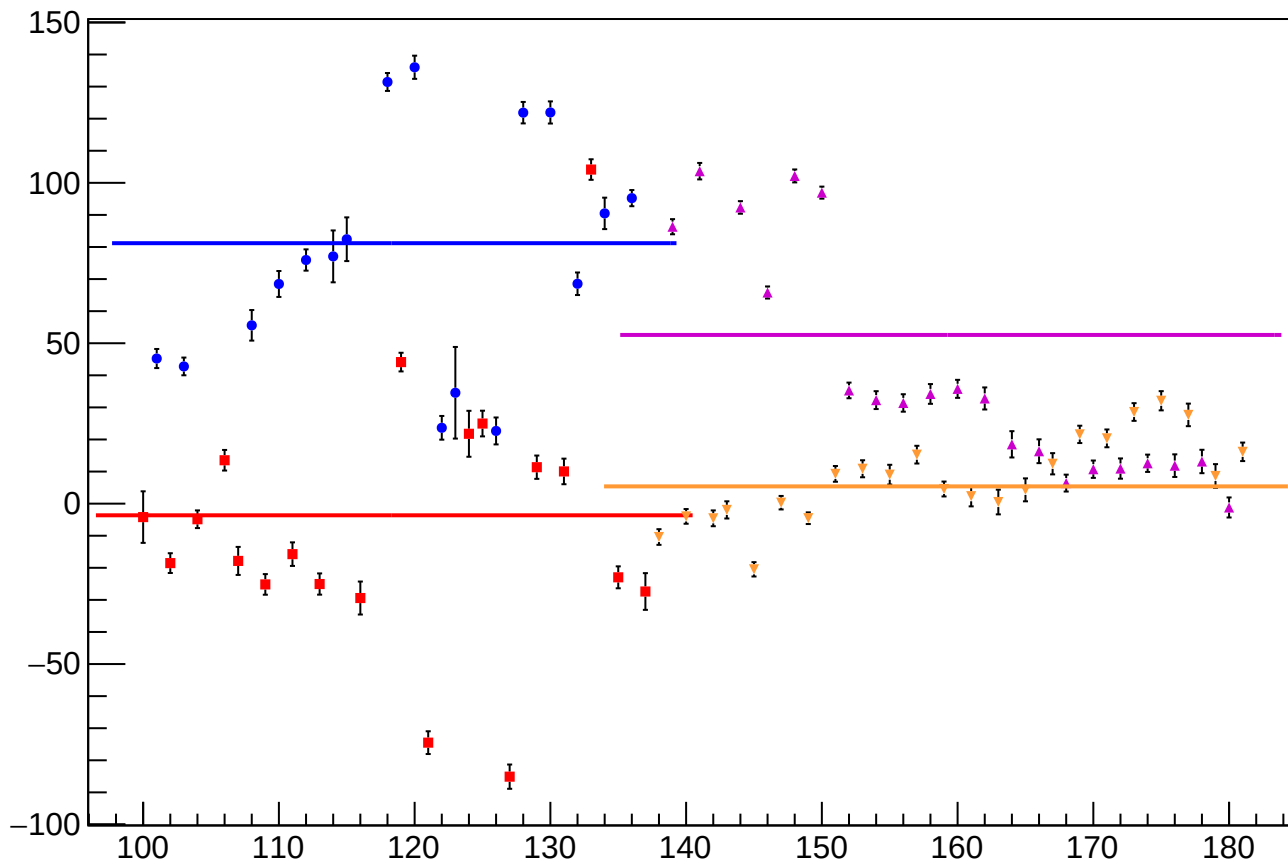
Left In: 327.223+/-0.058 χ^2/NDF : 400943.0/20

+ sign 1.913+/-0.001 χ^2/NDF : 45222401.2/39

All: 1.912+/-0.001 χ^2/NDF : 88009943.6/79

- sign 1.911+/-0.001 χ^2/NDF : 42787541.4/39

diff_bpm0i01X_mean vs Slug



Right In: 81.188 ± 0.887 χ^2/NDF : 1718.3/16

Left Out: 5.380 ± 0.555 χ^2/NDF : 550.0/22

Right Out: -3.632 ± 0.844 χ^2/NDF : 2593.1/18

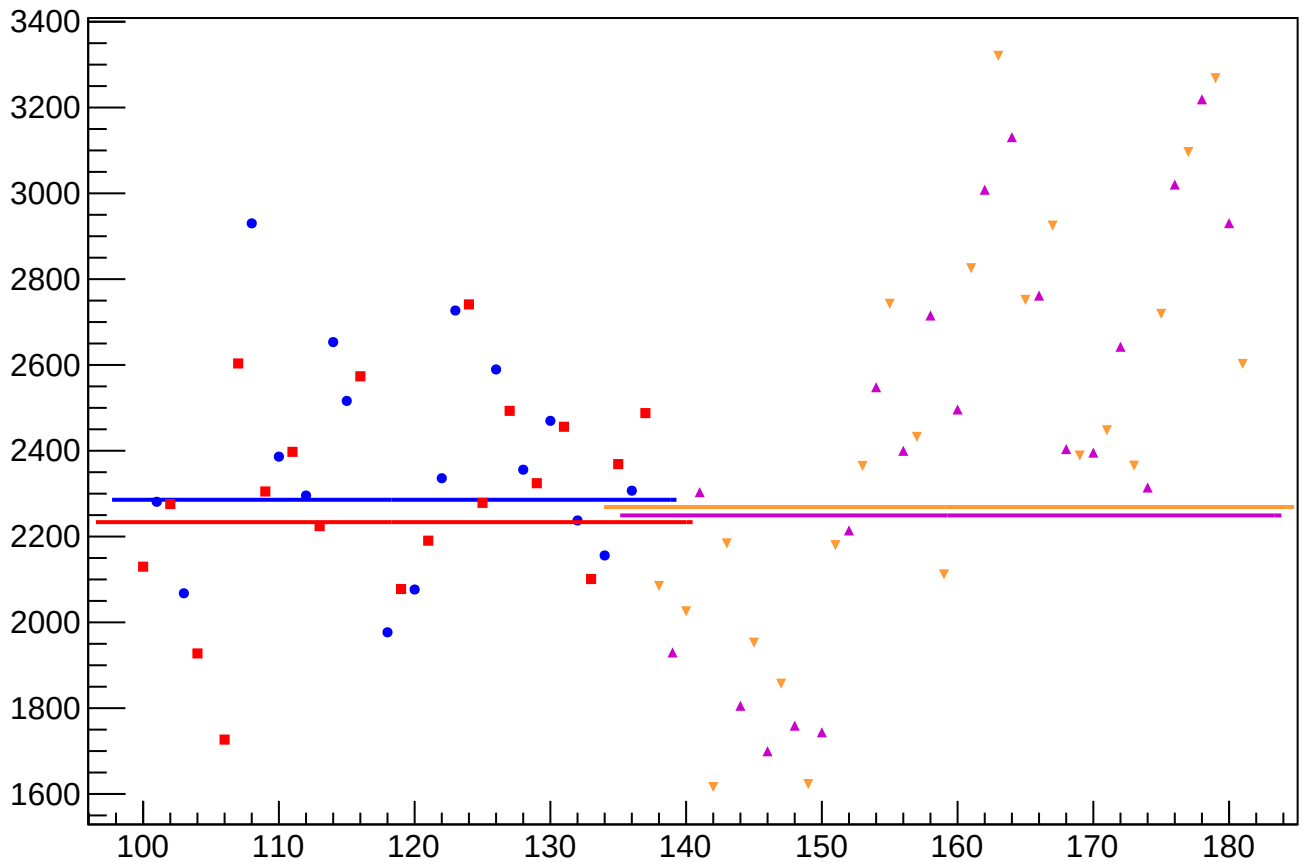
Left In: 52.586 ± 0.572 χ^2/NDF : 4141.2/20

+ sign 26.724 ± 0.471 χ^2/NDF : 7513.8/39

All: 30.790 ± 0.334 χ^2/NDF : 17439.5/79

- sign 34.902 ± 0.473 χ^2/NDF : 9775.7/39

diff_bpm0i01X_rms vs Slug



Right In: 2285.757+/-0.627 χ^2/NDF : 109159.1/16

Left Out: 2268.795+/-0.393 χ^2/NDF : 1283693.5/22

Right Out: 2233.605+/-0.597 χ^2/NDF : 147058.0/18

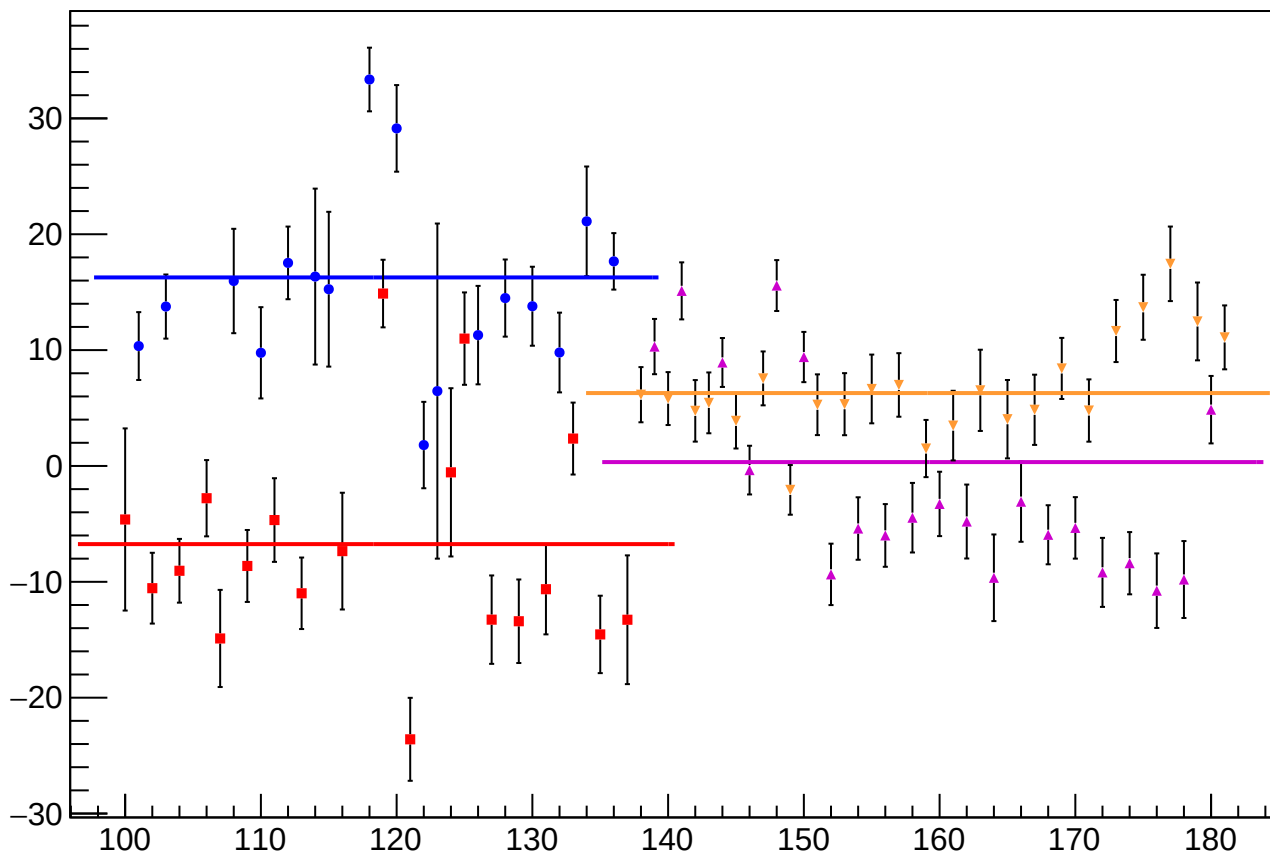
Left In: 2249.260+/-0.404 χ^2/NDF : 1269008.2/20

+ sign 2273.571+/-0.333 χ^2/NDF : 1393377.8/39

All: 2259.033+/-0.236 χ^2/NDF : 2813751.3/79

- sign 2244.336+/-0.335 χ^2/NDF : 1416537.8/39

diff_bpm0i01Y_mean vs Slug



Right In: 16.273 ± 0.873 $\chi^2/\text{NDF}: 81.0/16$

Left Out: 6.292 ± 0.561 $\chi^2/\text{NDF}: 53.0/22$

Right Out: -6.745 ± 0.832 $\chi^2/\text{NDF}: 130.5/18$

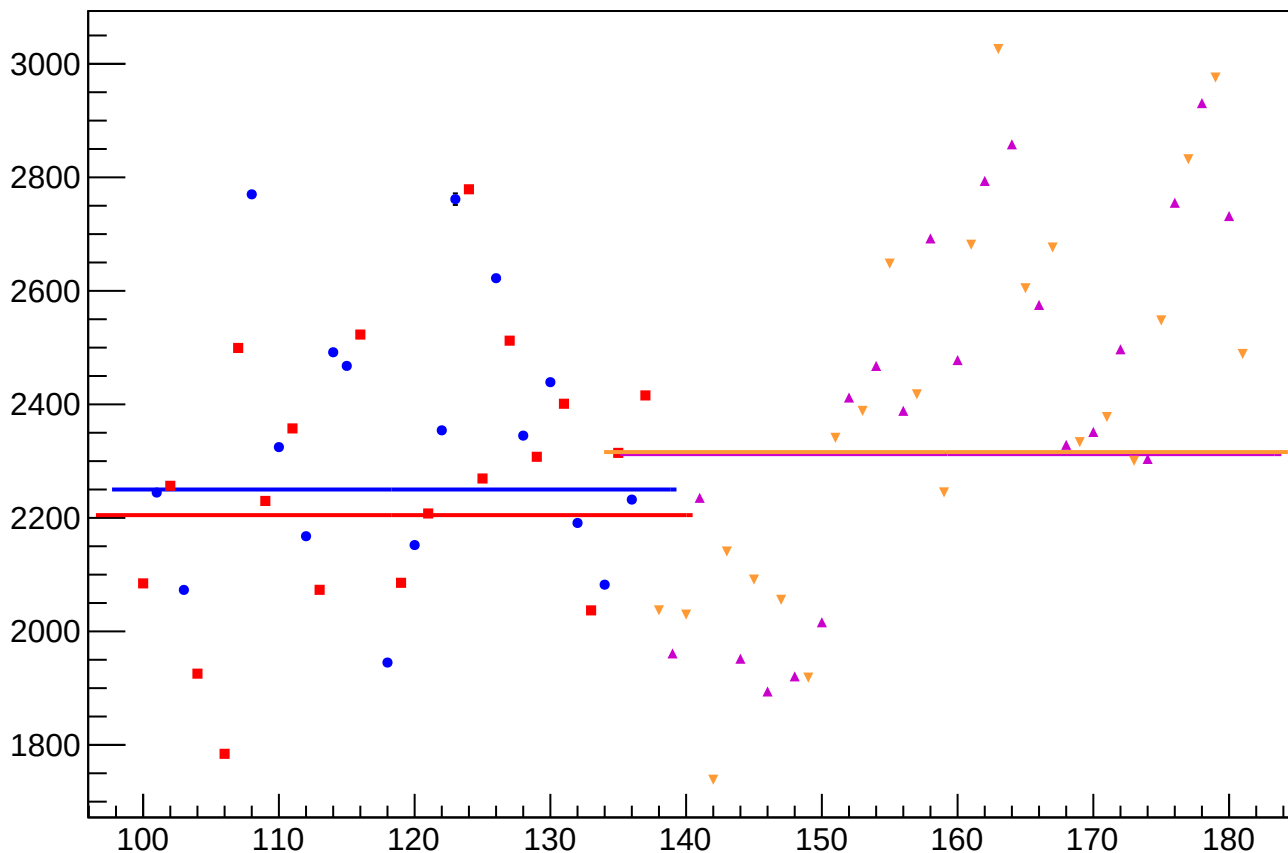
Left In: 0.335 ± 0.580 $\chi^2/\text{NDF}: 229.1/20$

+ sign 9.206 ± 0.472 $\chi^2/\text{NDF}: 226.5/39$

All: 3.661 ± 0.335 $\chi^2/\text{NDF}: 913.7/79$

- sign -1.979 ± 0.476 $\chi^2/\text{NDF}: 408.4/39$

diff_bpm0i01Y_rms vs Slug



Right In: 2249.997 $\pm$ 0.617 χ^2 /NDF: 97501.6/16

Left Out: 2315.974 $\pm$ 0.396 χ^2 /NDF: 610716.6/22

Right Out: 2204.860 $\pm$ 0.588 χ^2 /NDF: 126433.4/18

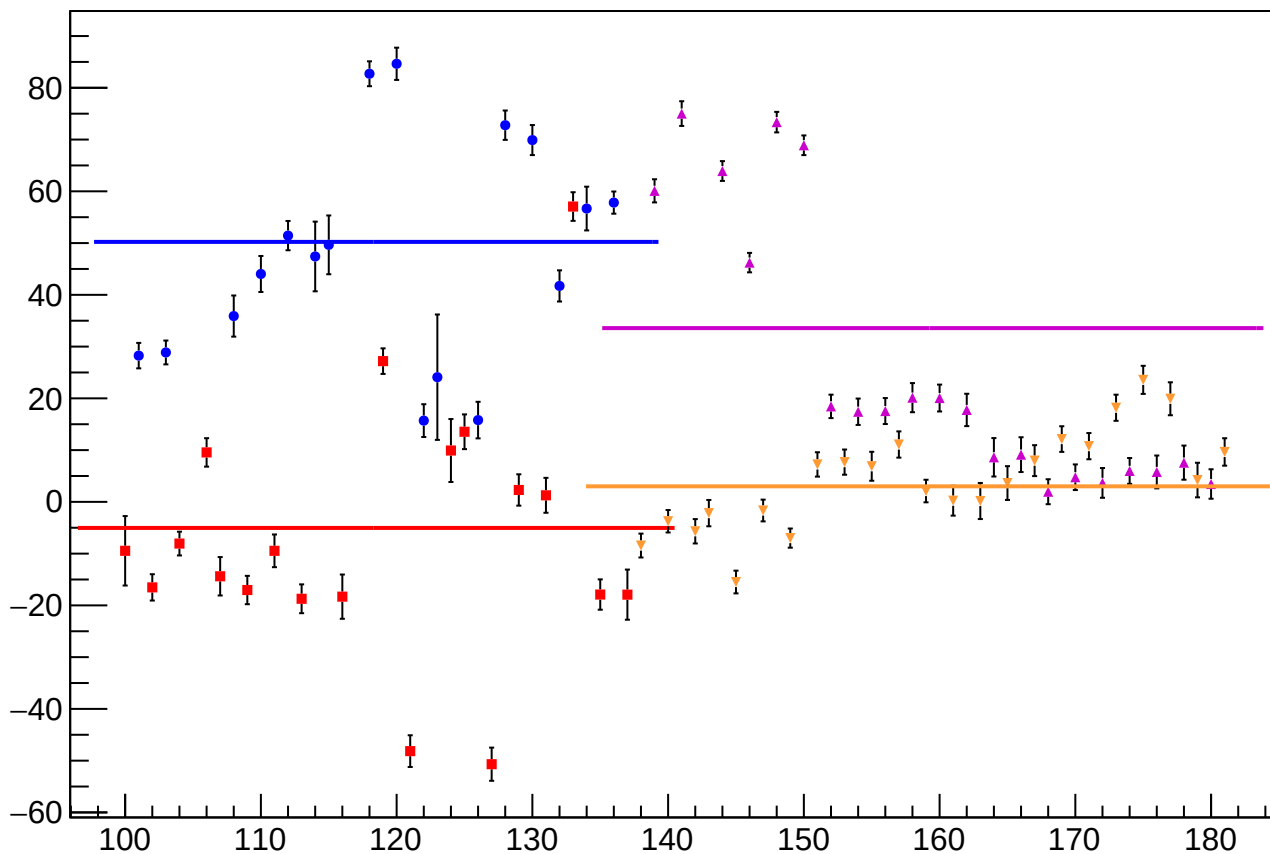
Left In: 2312.316 $\pm$ 0.410 χ^2 /NDF: 590642.3/20

+ sign 2296.710 $\pm$ 0.334 χ^2 /NDF: 716307.0/39

All: 2287.036 $\pm$ 0.237 χ^2 /NDF: 1457527.8/79

- sign 2277.195 $\pm$ 0.336 χ^2 /NDF: 739523.8/39

diff_bpm0i01aX_mean vs Slug



Right In: 50.230 ± 0.752 χ^2/NDF : 837.5/16

Left Out: 3.002 ± 0.523 χ^2/NDF : 331.9/22

Right Out: -5.035 ± 0.715 χ^2/NDF : 1259.3/18

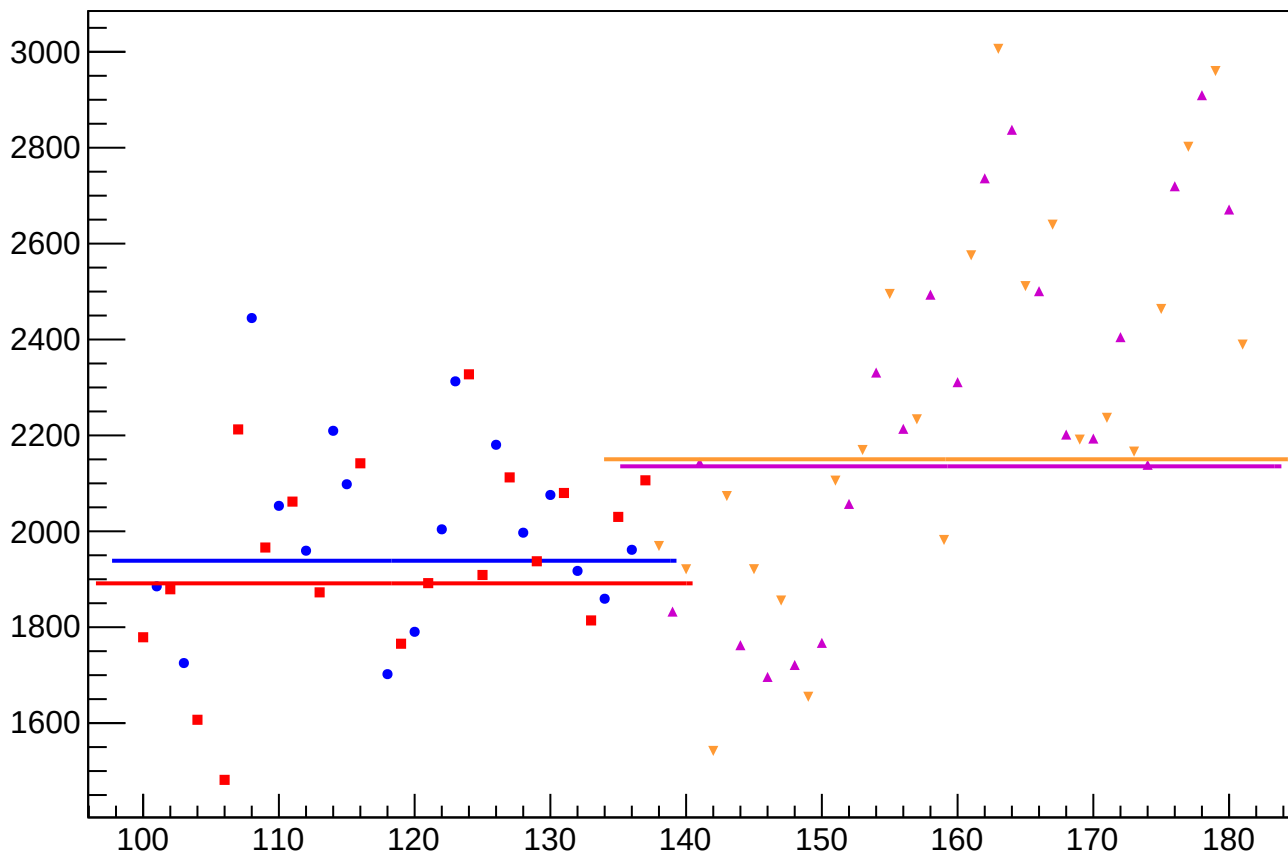
Left In: 33.571 ± 0.539 χ^2/NDF : 2574.8/20

+ sign 18.401 ± 0.429 χ^2/NDF : 3827.2/39

All: 18.982 ± 0.304 χ^2/NDF : 9524.8/79

- sign 19.565 ± 0.430 χ^2/NDF : 5693.9/39

diff_bpm0i01aX_rms vs Slug



Right In: 1938.613 $\pm$ 0.532 χ^2 /NDF: 100004.8/16

Left Out: 2150.238 $\pm$ 0.370 χ^2 /NDF: 908781.4/22

Right Out: 1891.458 $\pm$ 0.505 χ^2 /NDF: 146730.0/18

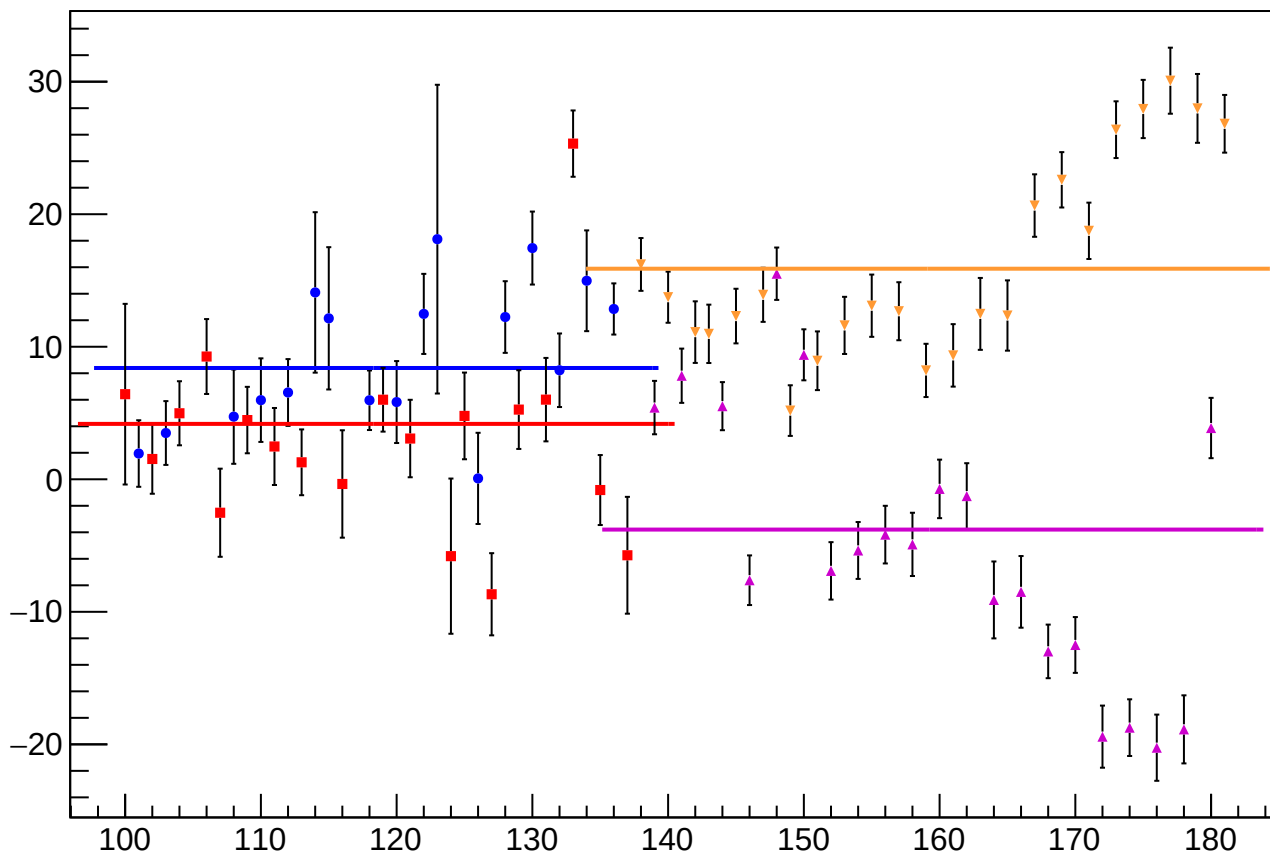
Left In: 2135.520 $\pm$ 0.381 χ^2 /NDF: 879538.7/20

+ sign 2081.234 $\pm$ 0.304 χ^2 /NDF: 1115513.3/39

All: 2064.145 $\pm$ 0.215 χ^2 /NDF: 2296789.2/79

- sign 2046.978 $\pm$ 0.304 χ^2 /NDF: 1174927.6/39

diff_bpm0i01aY_mean vs Slug



Right In: 8.398 ± 0.712 $\chi^2/\text{NDF}: 45.7/16$

Left Out: 15.888 ± 0.459 $\chi^2/\text{NDF}: 238.4/22$

Right Out: 4.180 ± 0.684 $\chi^2/\text{NDF}: 112.9/18$

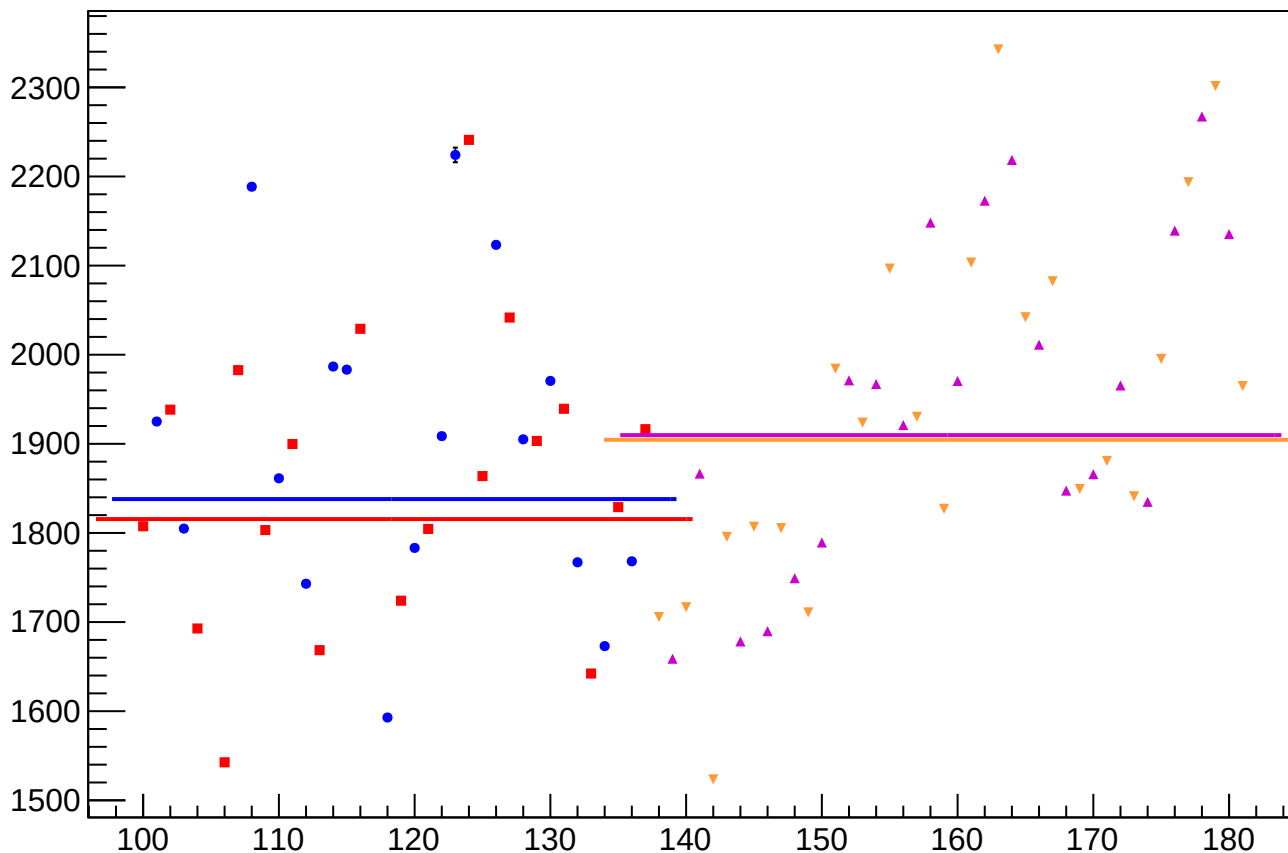
Left In: -3.795 ± 0.476 $\chi^2/\text{NDF}: 458.5/20$

+ sign 13.693 ± 0.386 $\chi^2/\text{NDF}: 362.3/39$

All: 6.344 ± 0.274 $\chi^2/\text{NDF}: 1760.7/79$

- sign -1.192 ± 0.391 $\chi^2/\text{NDF}: 663.0/39$

diff_bpm0i01aY_rms vs Slug



Right In: 1838.009+/-0.504 χ^2/NDF : 82831.2/16

Left Out: 1904.534+/-0.324 χ^2/NDF : 311784.6/22

Right Out: 1815.562+/-0.483 χ^2/NDF : 87647.1/18

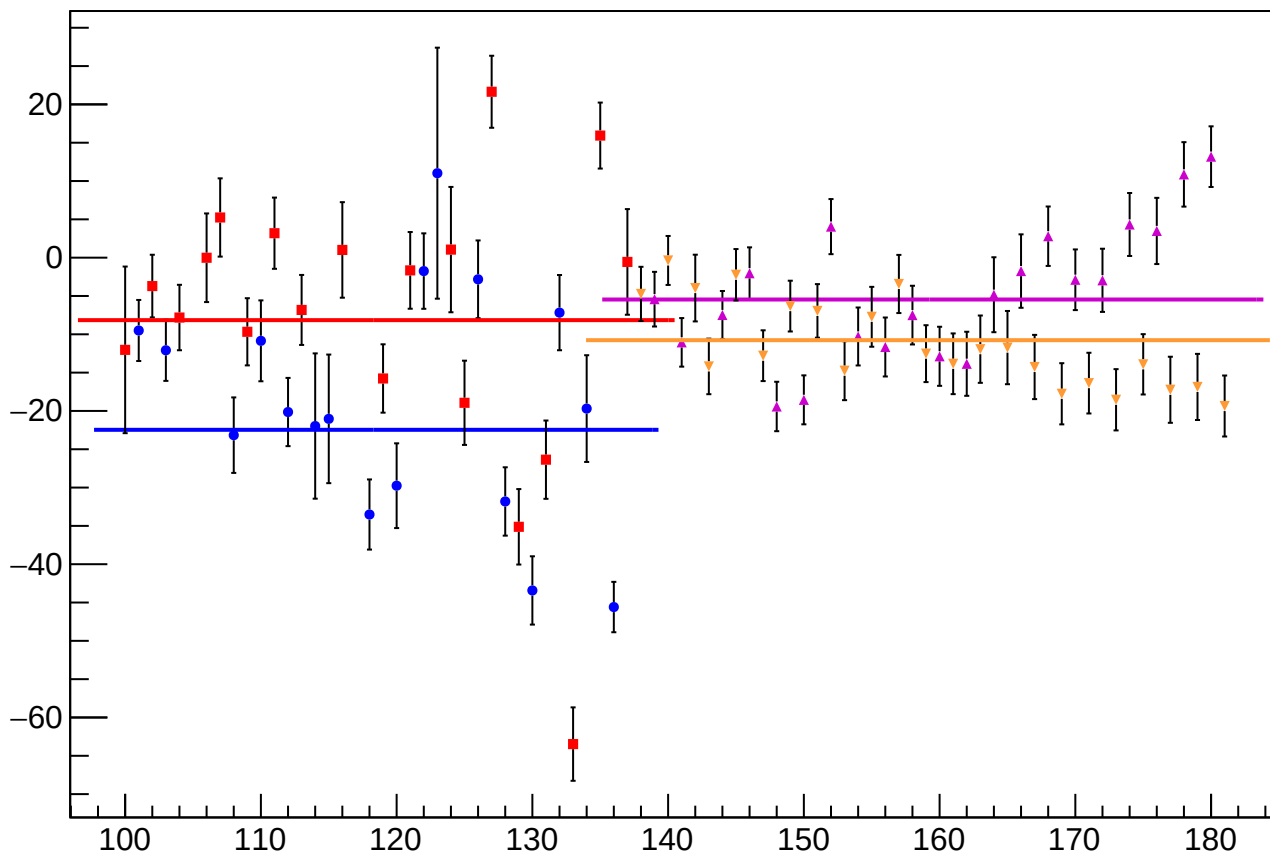
Left In: 1909.773+/-0.336 χ^2/NDF : 267294.7/20

+ sign 1885.037+/-0.273 χ^2/NDF : 406944.1/39

All: 1882.068+/-0.194 χ^2/NDF : 787714.7/79

- sign 1879.023+/-0.276 χ^2/NDF : 380530.6/39

diff_bpm0l01X_mean vs Slug



Right In: -22.463 +/- 1.197 χ^2/NDF : 152.8/16

Left Out: -10.766 +/- 0.797 χ^2/NDF : 52.2/22

Right Out: -8.153 +/- 1.158 χ^2/NDF : 277.0/18

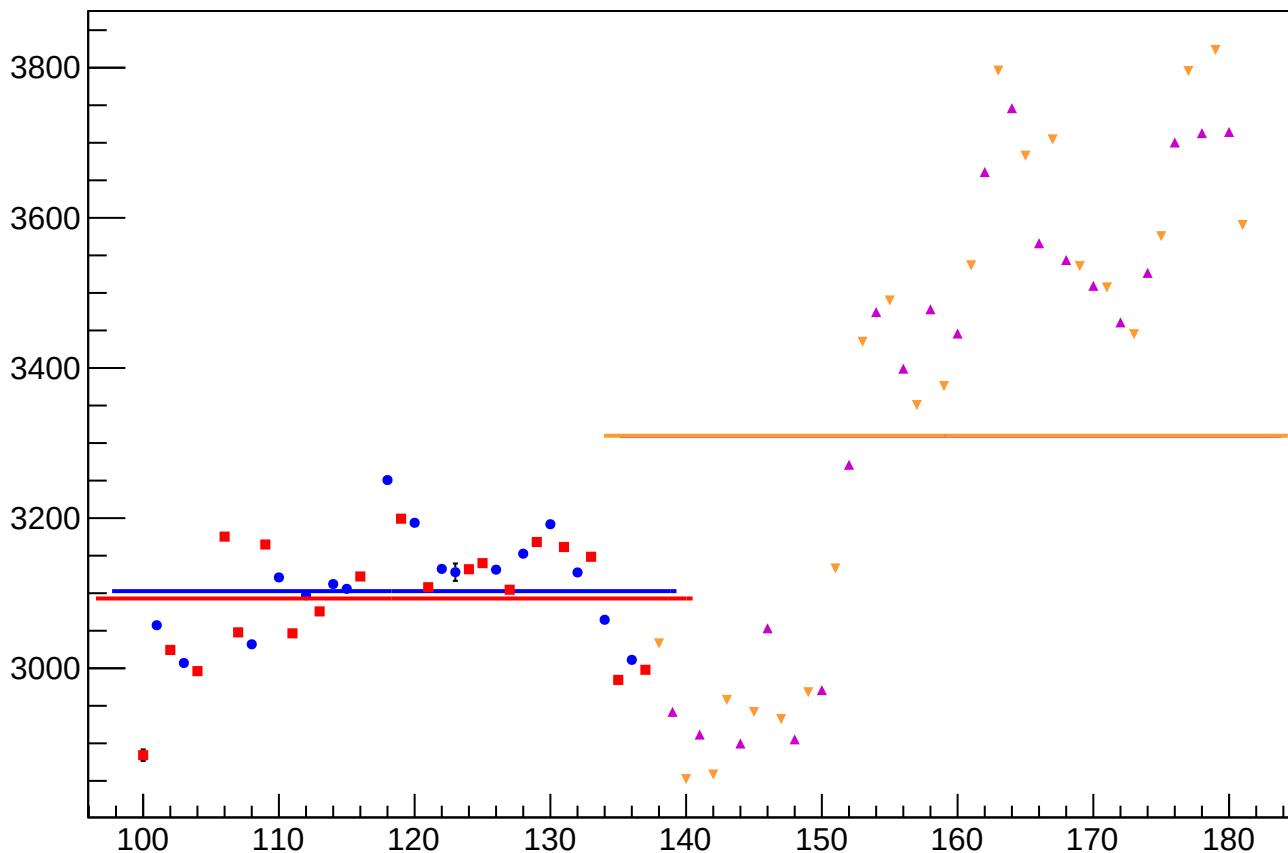
Left In: -5.460 +/- 0.823 χ^2/NDF : 112.5/20

+ sign -14.358 +/- 0.663 χ^2/NDF : 271.2/39

All: -10.406 +/- 0.472 χ^2/NDF : 736.1/79

- sign -6.363 +/- 0.671 χ^2/NDF : 393.1/39

diff_bpm0l01X_rms vs Slug



Right In: 3102.744+/-0.846 χ^2/NDF : 7337.7/16

Left Out: 3309.765+/-0.563 χ^2/NDF : 324750.5/22

Right Out: 3092.954+/-0.819 χ^2/NDF : 7802.6/18

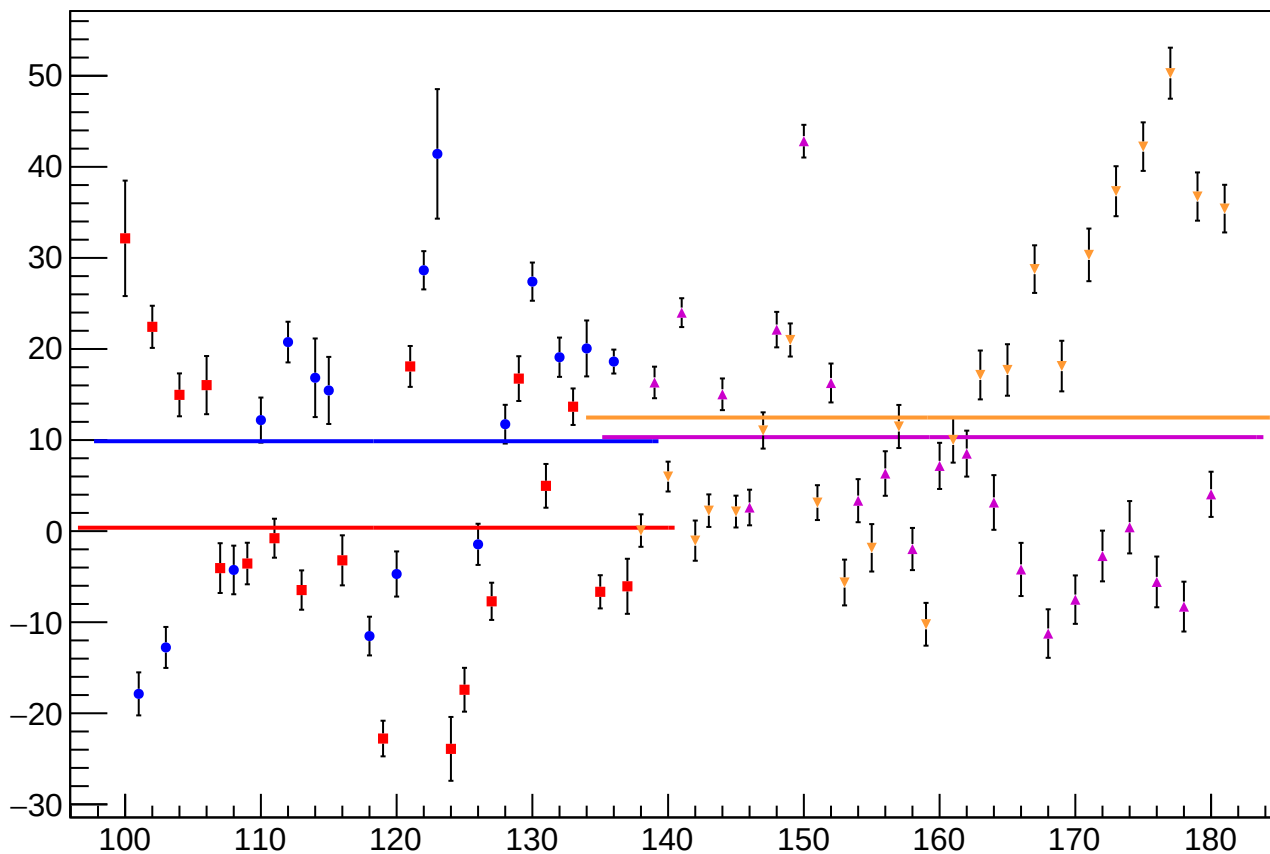
Left In: 3309.386+/-0.582 χ^2/NDF : 276196.4/20

+ sign 3246.190+/-0.469 χ^2/NDF : 373555.0/39

All: 3241.562+/-0.333 χ^2/NDF : 704154.7/79

- sign 3236.829+/-0.474 χ^2/NDF : 330402.7/39

diff_bpm0l01Y_mean vs Slug



Right In: 9.873 ± 0.560 χ^2/NDF : 701.6/16

Left Out: 12.475 ± 0.469 χ^2/NDF : 1029.5/22

Right Out: 0.377 ± 0.548 χ^2/NDF : 628.0/18

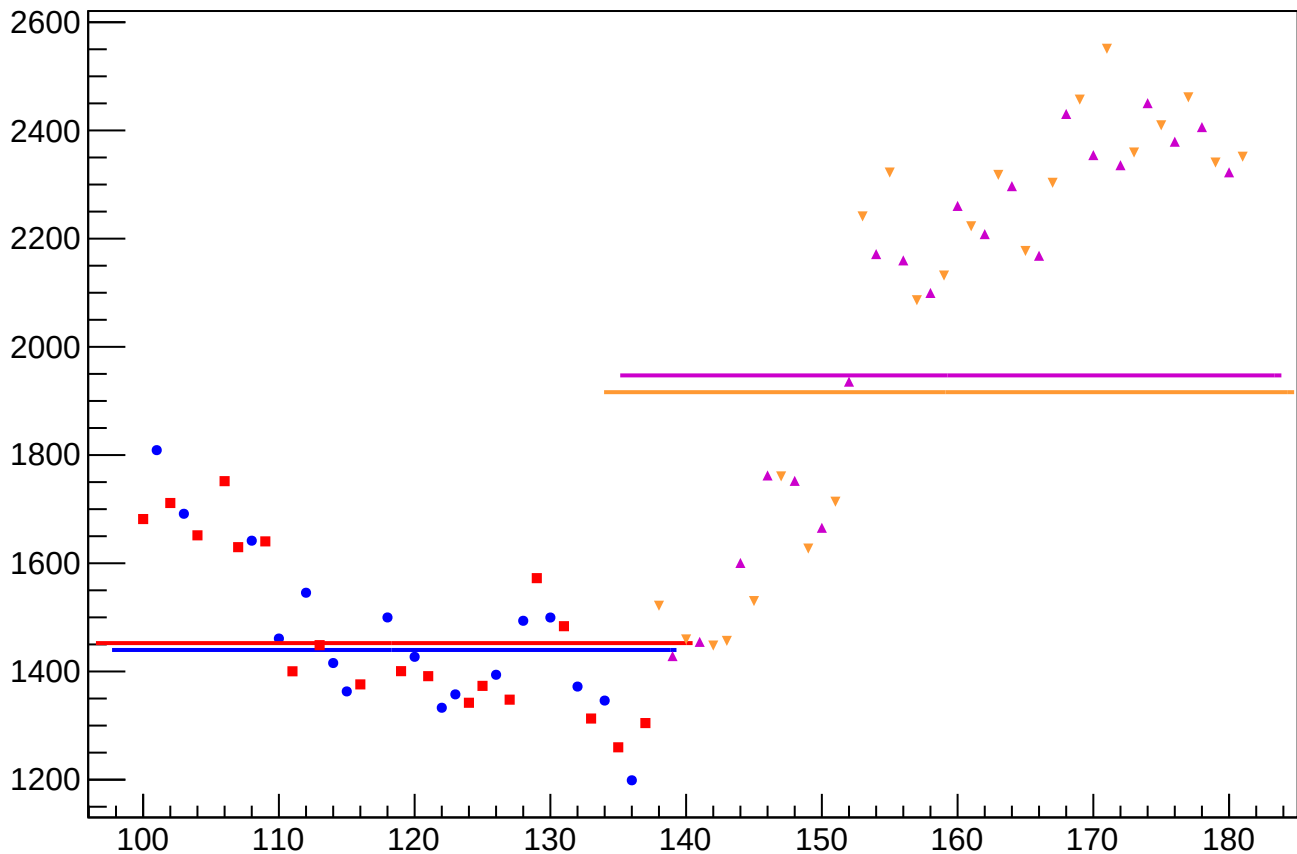
Left In: 10.321 ± 0.491 χ^2/NDF : 783.2/20

+ sign 11.402 ± 0.360 χ^2/NDF : 1743.7/39

All: 8.690 ± 0.256 χ^2/NDF : 3453.1/79

- sign 5.890 ± 0.366 χ^2/NDF : 1593.9/39

diff_bpm0l01Y_rms vs Slug



Right In: 1439.733+/-0.396 χ^2/NDF : 172867.1/16

Left Out: 1916.228+/-0.332 χ^2/NDF : 1379158.1/22

Right Out: 1452.445+/-0.387 χ^2/NDF : 138400.9/18

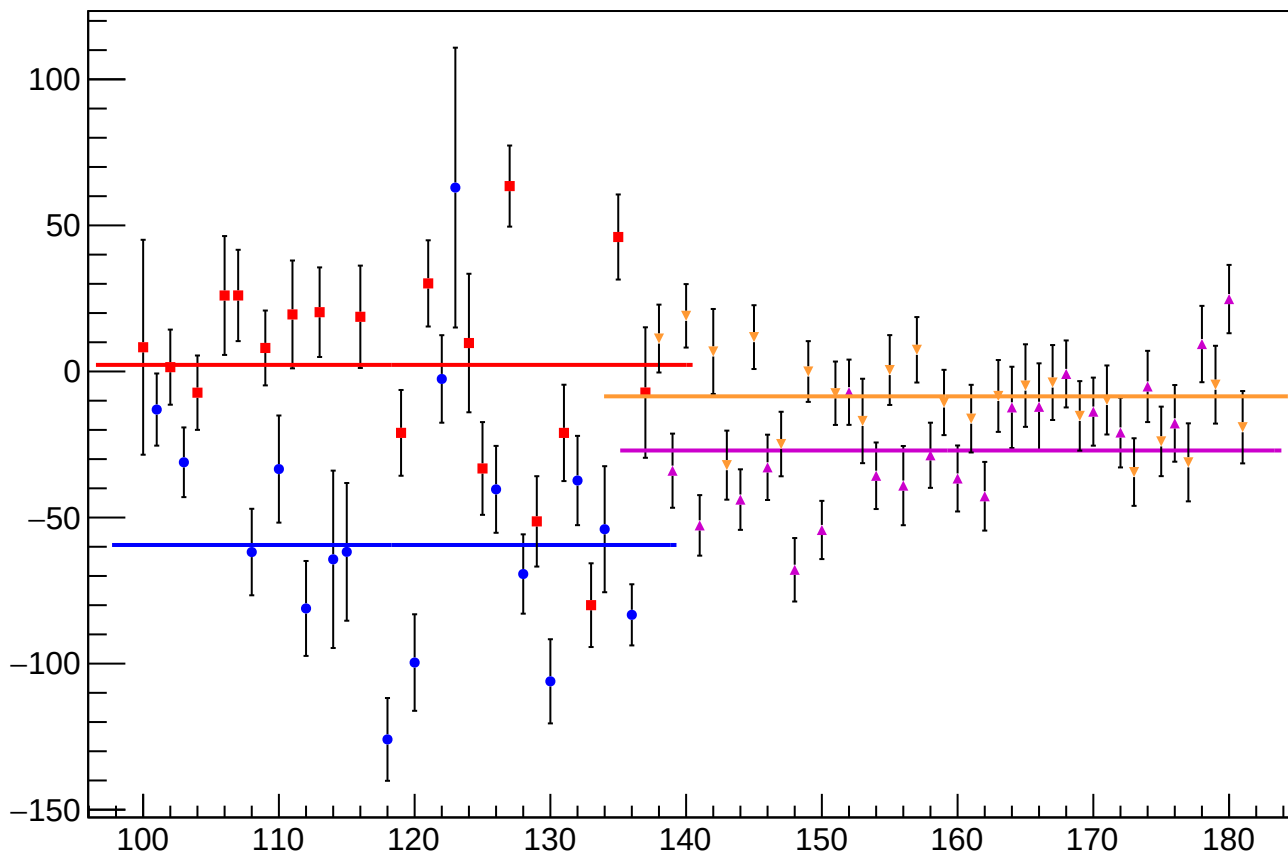
Left In: 1947.228+/-0.347 χ^2/NDF : 1034594.9/20

+ sign 1719.738+/-0.254 χ^2/NDF : 2401567.5/39

All: 1723.205+/-0.181 χ^2/NDF : 4479639.2/79

- sign 1726.783+/-0.259 χ^2/NDF : 2077694.6/39

diff_bpm0l02X_mean vs Slug



Right In: -59.392 ± 3.736 χ^2/NDF : 92.5/16

Left Out: -8.513 ± 2.488 χ^2/NDF : 35.0/22

Right Out: 2.255 ± 3.636 χ^2/NDF : 94.4/18

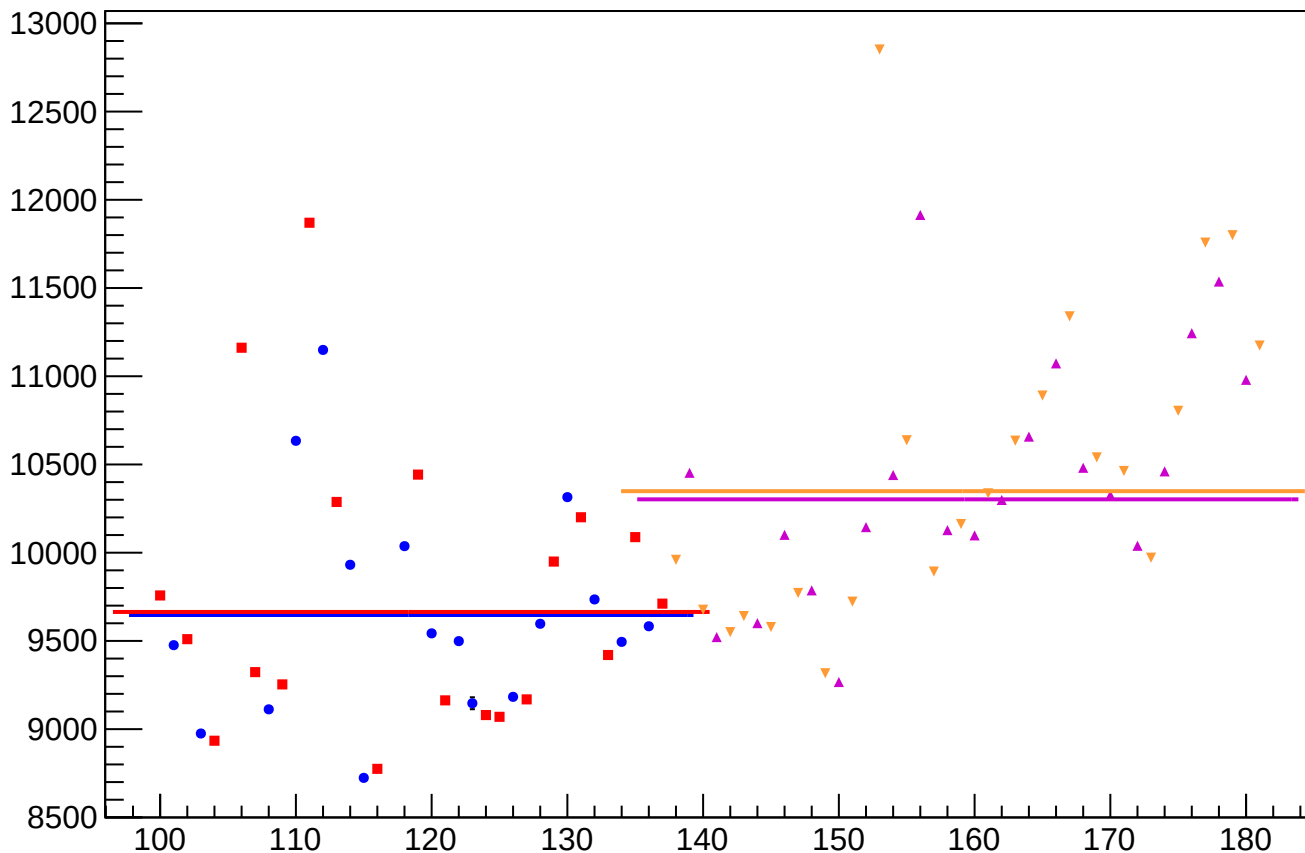
Left In: -27.048 ± 2.556 χ^2/NDF : 78.0/20

+ sign -24.147 ± 2.071 χ^2/NDF : 256.1/39

All: -20.785 ± 1.471 χ^2/NDF : 477.3/79

- sign -17.356 ± 2.091 χ^2/NDF : 215.9/39

diff_bpm0l02X_rms vs Slug



Right In: 9646.921+/-2.641 χ^2 /NDF: 43997.1/16

Left Out: 10348.703+/-1.759 χ^2 /NDF: 206516.0/22

Right Out: 9664.191+/-2.571 χ^2 /NDF: 77326.5/18

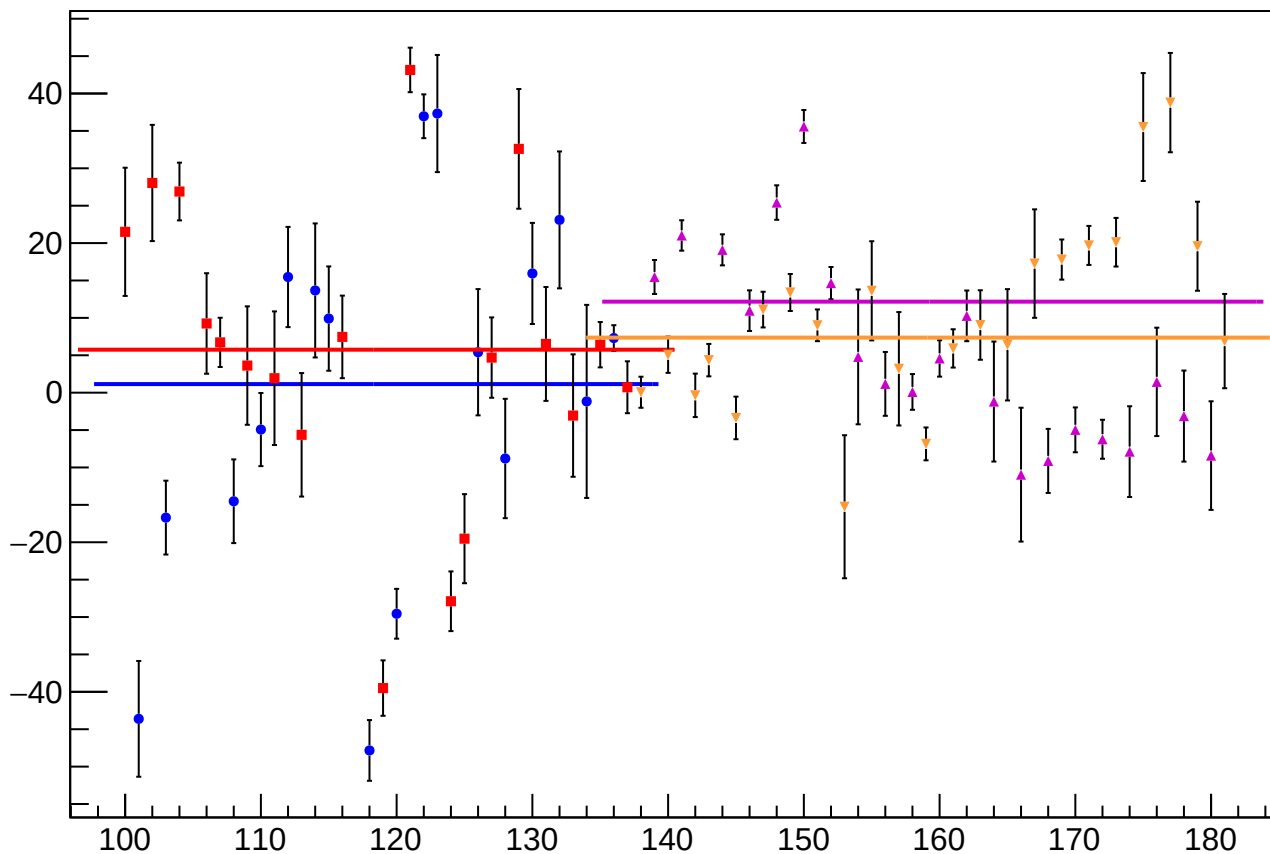
Left In: 10302.331+/-1.808 χ^2 /NDF: 120961.1/20

+ sign 10133.068+/-1.464 χ^2 /NDF: 299410.5/39

All: 10112.372+/-1.040 χ^2 /NDF: 539321.9/79

- sign 10091.261+/-1.479 χ^2 /NDF: 239507.8/39

diff_bpm0l02Y_mean vs Slug



Right In: 1.147 ± 1.067 χ^2/NDF : 490.7/16

Left Out: 7.363 ± 0.647 χ^2/NDF : 191.2/22

Right Out: 5.747 ± 1.092 χ^2/NDF : 455.0/18

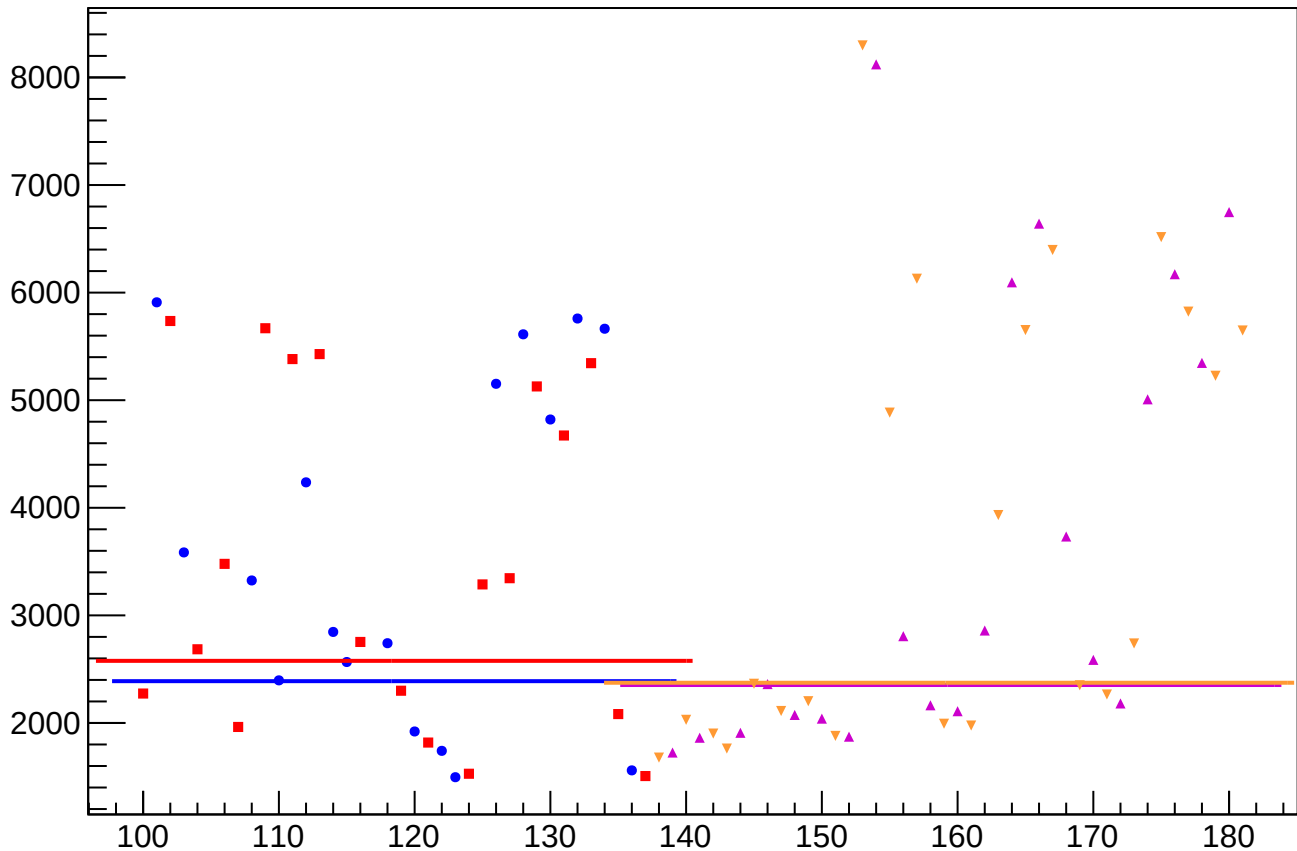
Left In: 12.170 ± 0.653 χ^2/NDF : 366.9/20

+ sign 5.692 ± 0.553 χ^2/NDF : 706.7/39

All: 8.055 ± 0.394 χ^2/NDF : 1590.9/79

- sign 10.478 ± 0.560 χ^2/NDF : 847.3/39

diff_bpm0l02Y_rms vs Slug



Right In: 2388.532 $\pm$ 0.755 χ^2 /NDF: 2588689.4/16

Left Out: 2373.844 $\pm$ 0.458 χ^2 /NDF: 5727777.9/22

Right Out: 2577.351 $\pm$ 0.772 χ^2 /NDF: 2358780.3/18

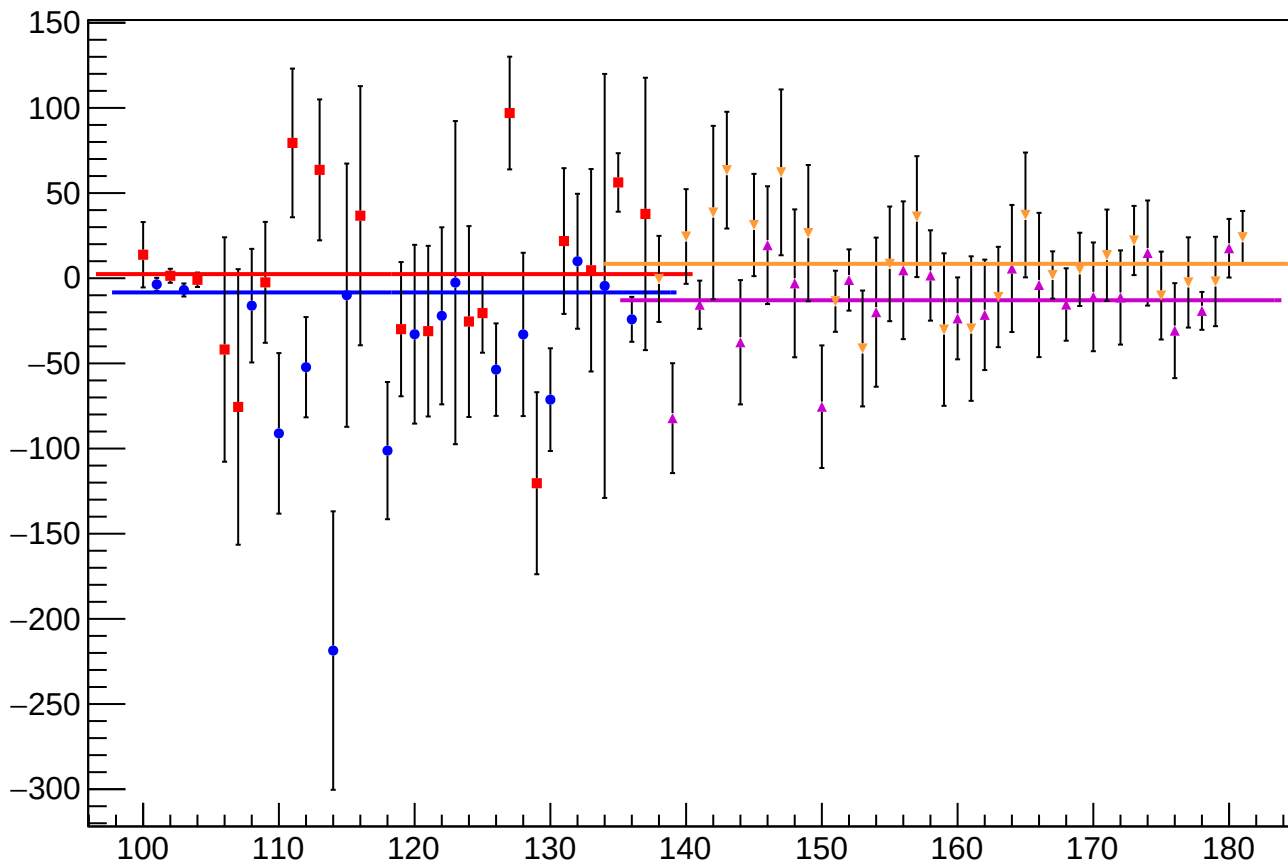
Left In: 2352.771 $\pm$ 0.462 χ^2 /NDF: 4726673.4/20

+ sign 2377.793 $\pm$ 0.391 χ^2 /NDF: 8316744.3/39

All: 2394.643 $\pm$ 0.278 χ^2 /NDF: 15468273.3/77

- sign 2411.927 $\pm$ 0.396 χ^2 /NDF: 7147771.8/39

diff_bpm0l03X_mean vs Slug



Right In: -8.339 ± 2.588 χ^2/NDF : 28.3/16

Left Out: 8.461 ± 5.376 χ^2/NDF : 14.8/22

Right Out: 2.423 ± 2.787 χ^2/NDF : 33.9/18

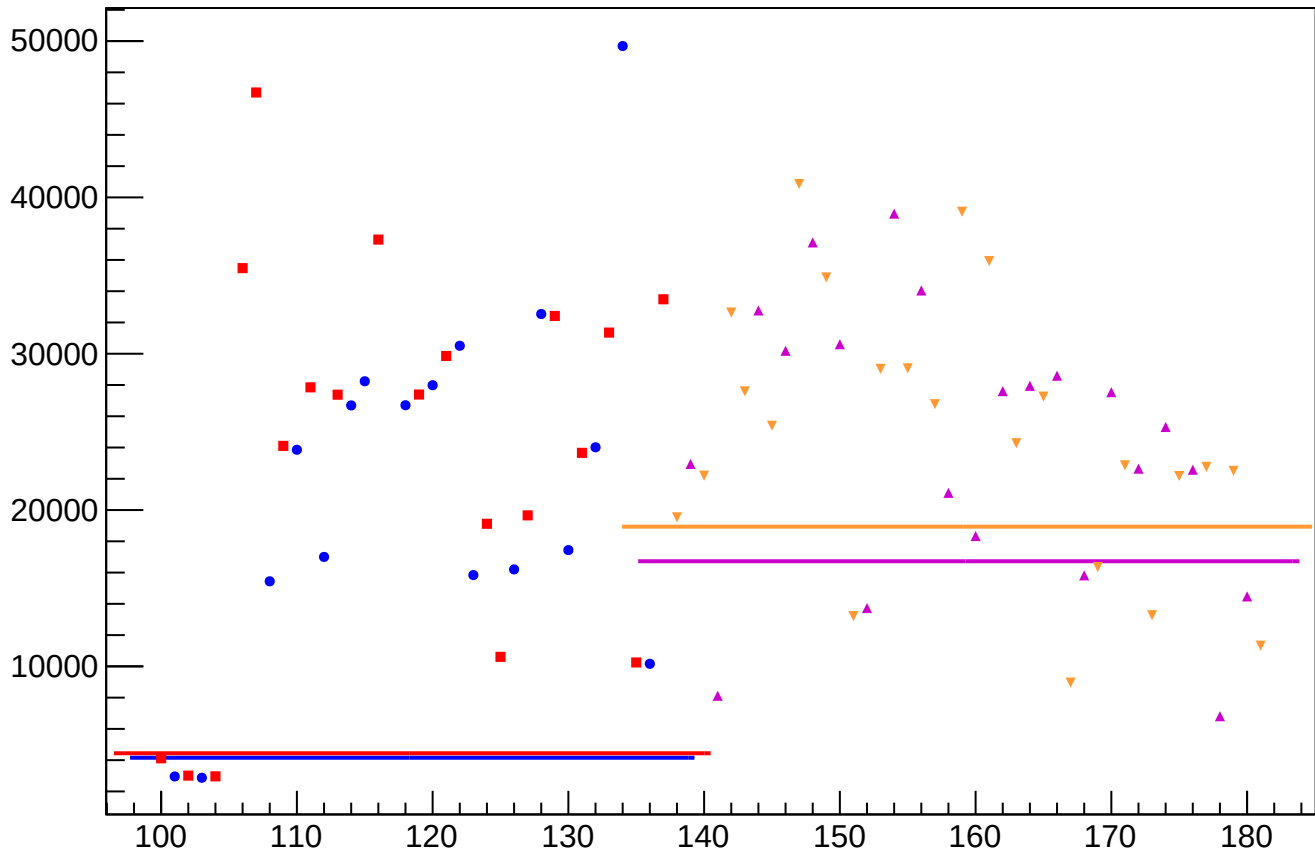
Left In: -12.934 ± 5.217 χ^2/NDF : 15.3/20

+ sign -5.178 ± 2.332 χ^2/NDF : 51.0/39

All: -3.193 ± 1.692 χ^2/NDF : 108.5/79

- sign -0.987 ± 2.458 χ^2/NDF : 55.9/39

diff_bpm0l03X_rms vs Slug



Right In: 4156.086+/-1.830 χ^2/NDF : 5974546.9/16

Left Out: 18938.282+/-3.802 χ^2/NDF : 4526316.9/22

Right Out: 4441.440+/-1.971 χ^2/NDF : 7399930.1/18

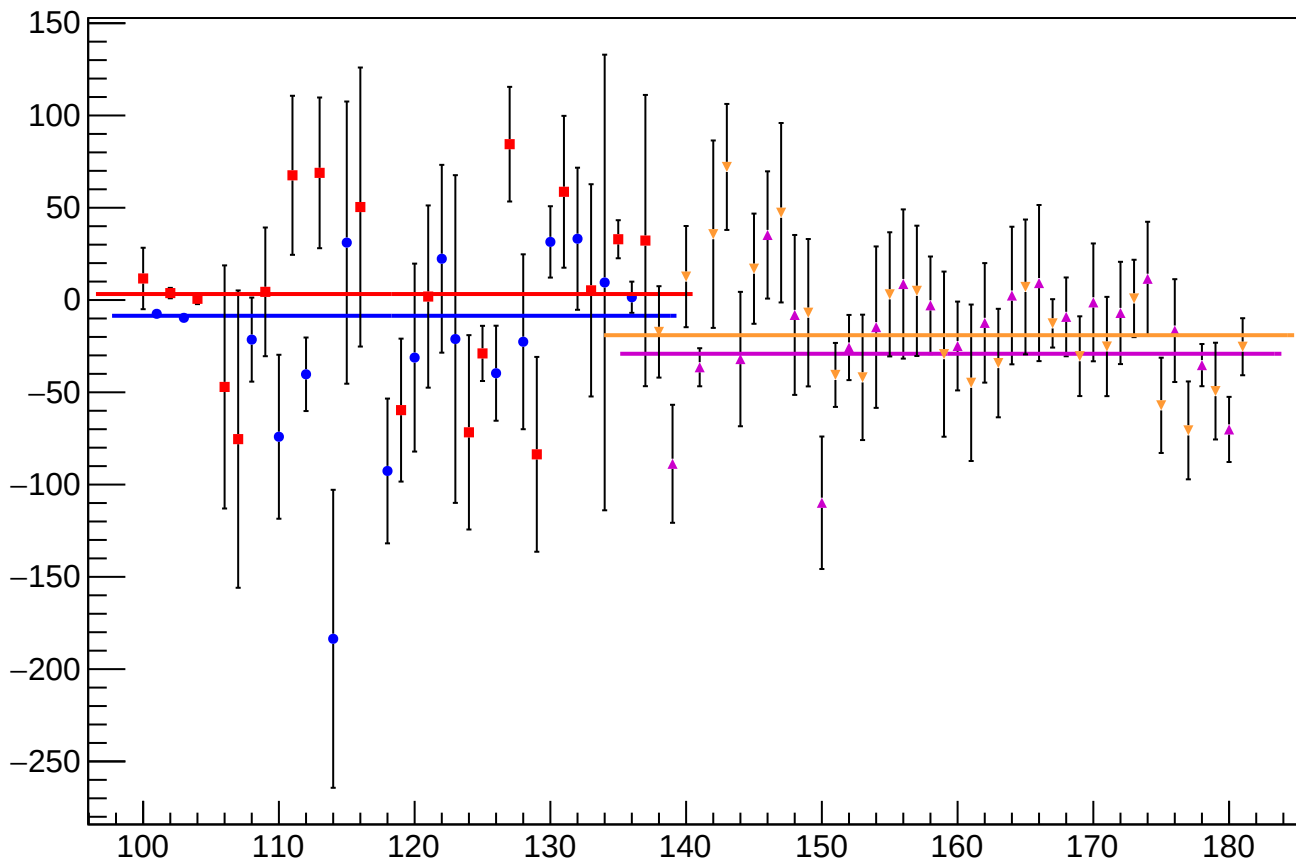
Left In: 16724.873+/-3.689 χ^2/NDF : 5998921.2/20

+ sign 6937.252+/-1.649 χ^2/NDF : 22775982.9/39

All: 7046.825+/-1.196 χ^2/NDF : 44809696.0/71

- sign 7168.583+/-1.738 χ^2/NDF : 22024390.9/39

diff_bpm0l03Y_mean vs Slug



Right In: -8.536 ± 1.778 $\chi^2/\text{NDF}: 24.0/16$

Left Out: -19.057 ± 5.315 $\chi^2/\text{NDF}: 26.1/22$

Right Out: 3.248 ± 1.922 $\chi^2/\text{NDF}: 36.9/18$

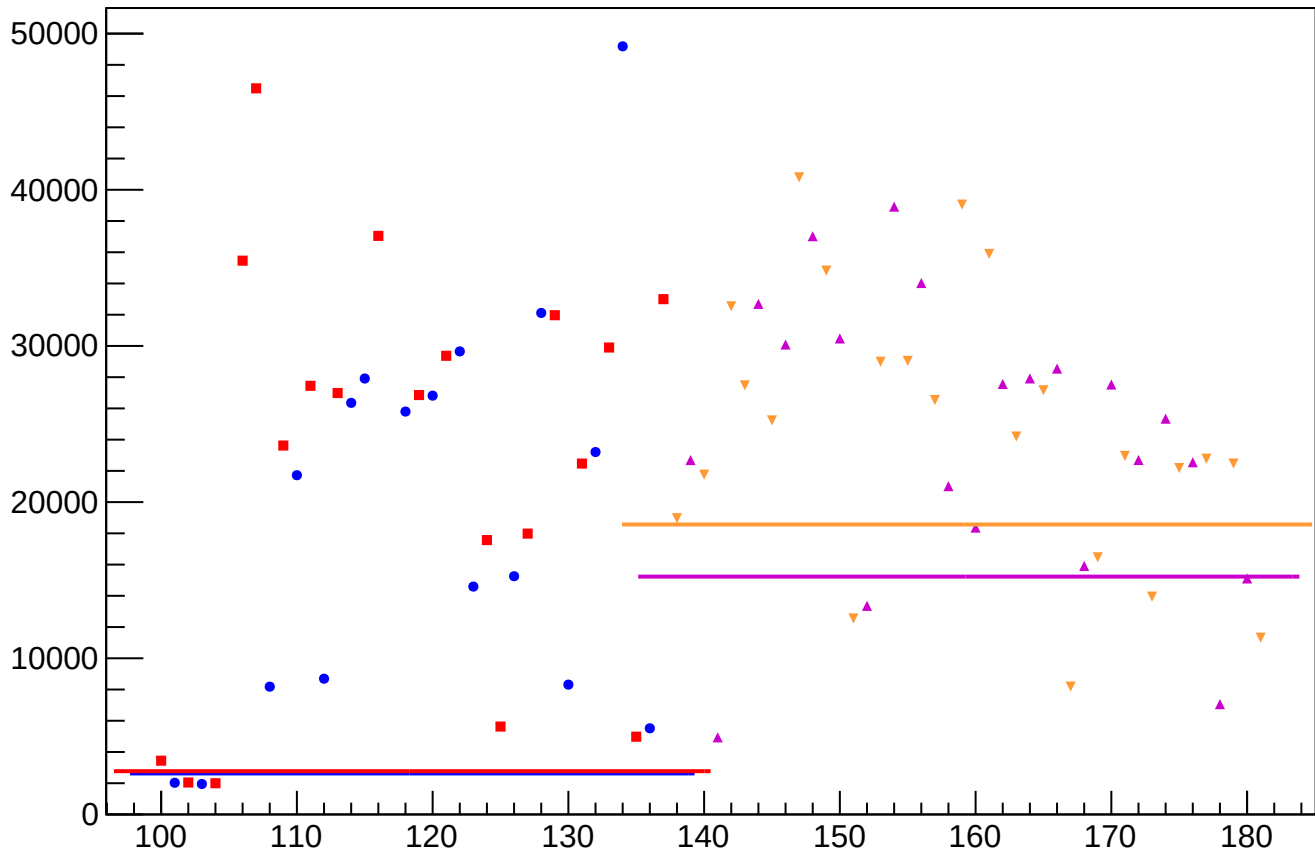
Left In: -29.118 ± 4.957 $\chi^2/\text{NDF}: 26.5/20$

+ sign -9.595 ± 1.686 $\chi^2/\text{NDF}: 53.6/39$

All: -5.552 ± 1.228 $\chi^2/\text{NDF}: 166.3/79$

- sign -0.983 ± 1.792 $\chi^2/\text{NDF}: 100.5/39$

diff_bpm0l03Y_rms vs Slug



Right In: 2627.104+/-1.257 χ^2/NDF : 5569866.4/16

Left Out: 18567.586+/-3.758 χ^2/NDF : 4823563.6/22

Right Out: 2770.651+/-1.359 χ^2/NDF : 7812778.8/18

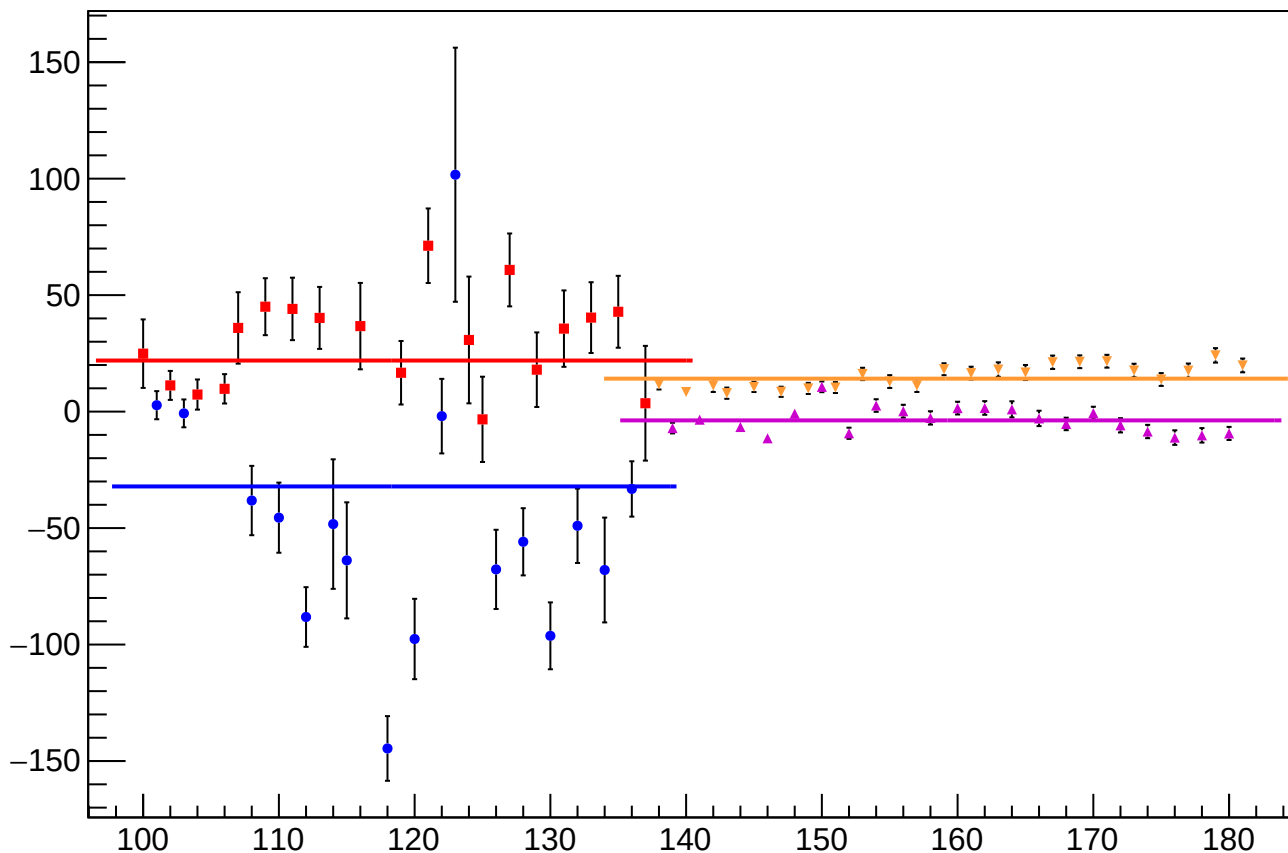
Left In: 15230.390+/-3.505 χ^2/NDF : 7510286.1/20

+ sign 4231.668+/-1.192 χ^2/NDF : 26574837.4/39

All: 4310.402+/-0.868 χ^2/NDF : 52890986.1/7

- sign 4399.354+/-1.267 χ^2/NDF : 26306861.4/39

diff_bpm0l04X_mean vs Slug



Right In: -32.125 ± 2.985 χ^2/NDF : 203.3/16

Left Out: 14.142 ± 0.548 χ^2/NDF : 75.5/22

Right Out: 21.921 ± 2.672 χ^2/NDF : 43.9/18

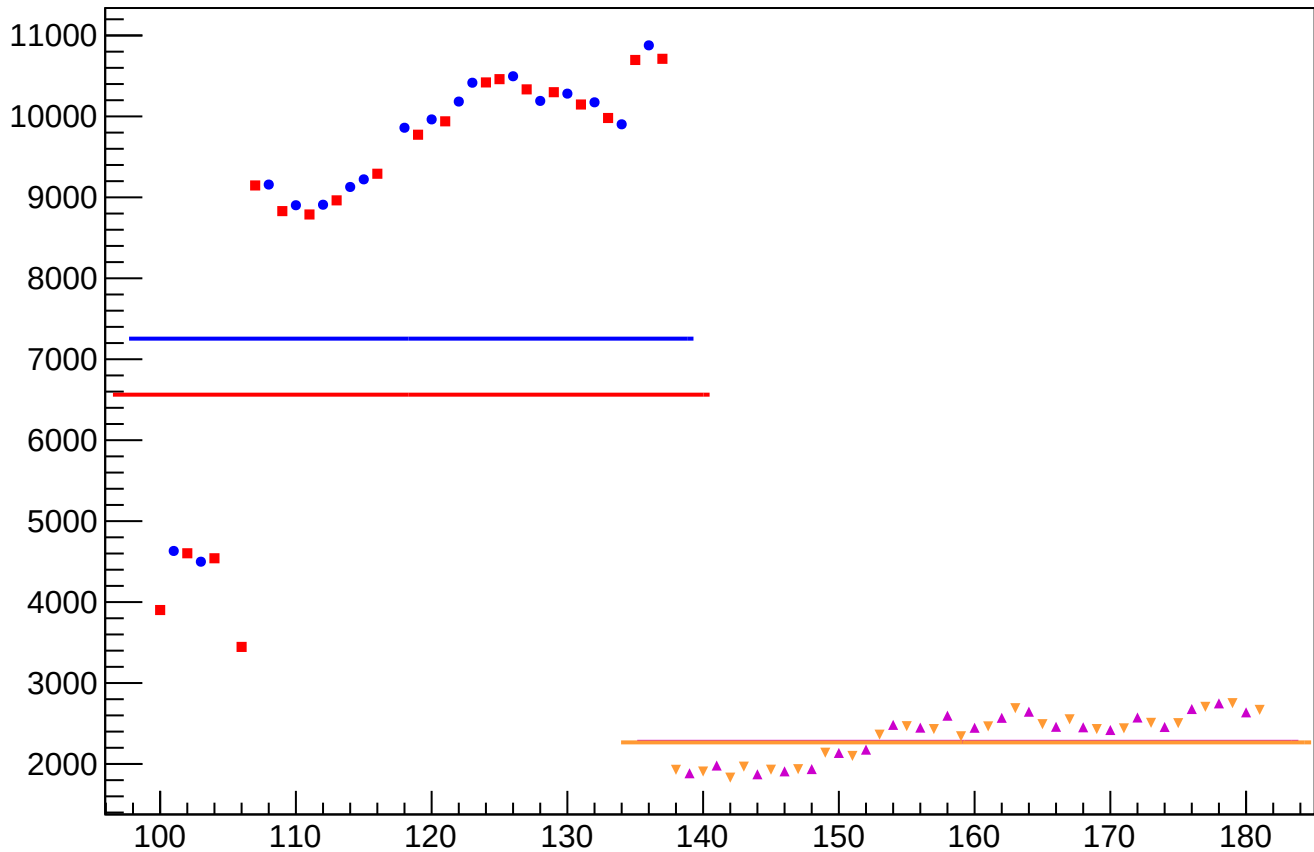
Left In: -3.772 ± 0.568 χ^2/NDF : 99.1/20

+ sign 12.635 ± 0.539 χ^2/NDF : 511.3/39

All: 5.222 ± 0.387 χ^2/NDF : 1133.5/79

- sign -2.661 ± 0.556 χ^2/NDF : 231.5/39

diff_bpm0l04X_rms vs Slug



Right In: 7254.506 $\pm$ 2.110 χ^2 /NDF: 1633073.8/16

Left Out: 2266.616 $\pm$ 0.387 χ^2 /NDF: 558668.0/22

Right Out: 6562.403 $\pm$ 1.889 χ^2 /NDF: 2190982.1/18

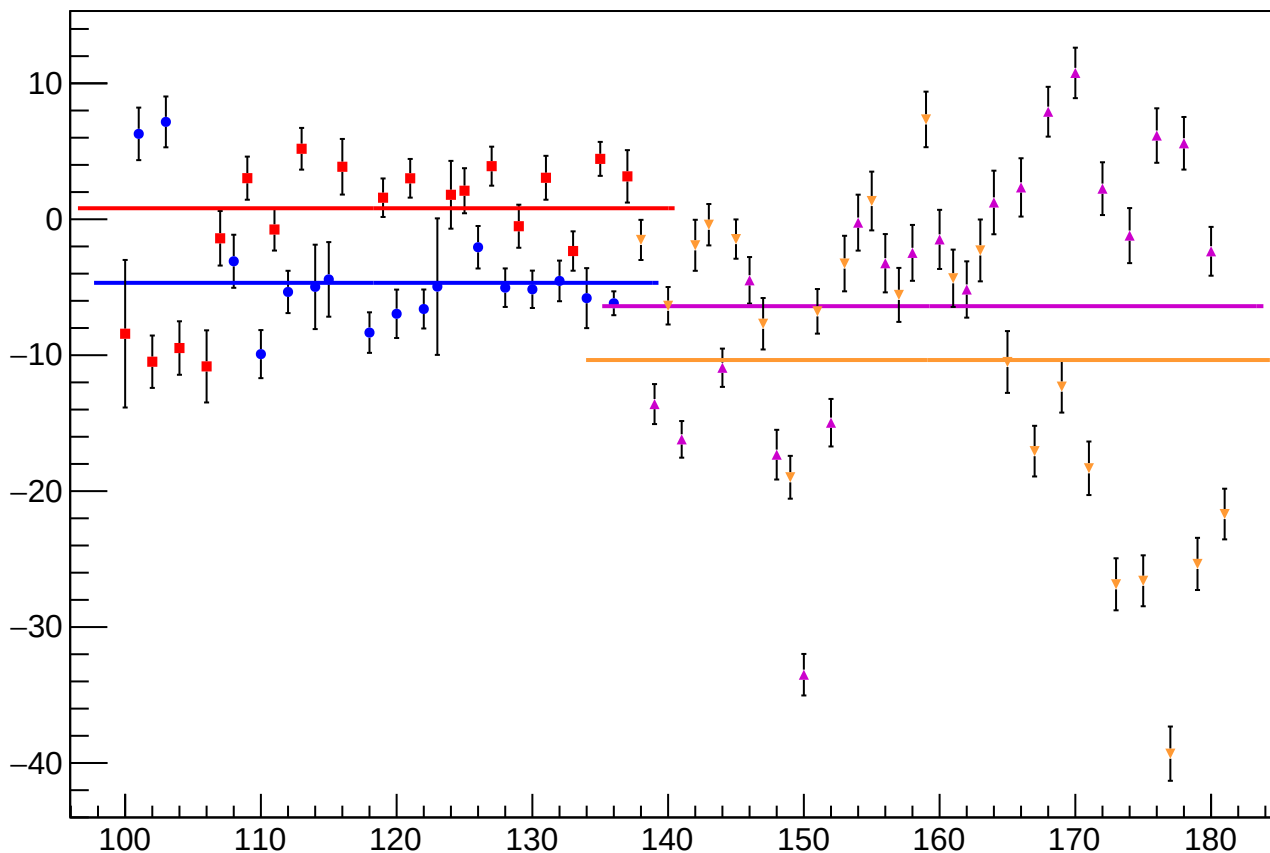
Left In: 2273.588 $\pm$ 0.402 χ^2 /NDF: 551366.3/20

+ sign 2429.098 $\pm$ 0.381 χ^2 /NDF: 7595548.7/39

All: 2443.604 $\pm$ 0.273 χ^2 /NDF: 15272459.4/7

- sign 2459.031 $\pm$ 0.393 χ^2 /NDF: 7673918.0/39

diff_bpm0l04Y_mean vs Slug



Right In: -4.677 ± 0.393 χ^2/NDF : 97.6/16

Left Out: -10.356 ± 0.379 χ^2/NDF : 813.0/22

Right Out: 0.810 ± 0.389 χ^2/NDF : 123.7/18

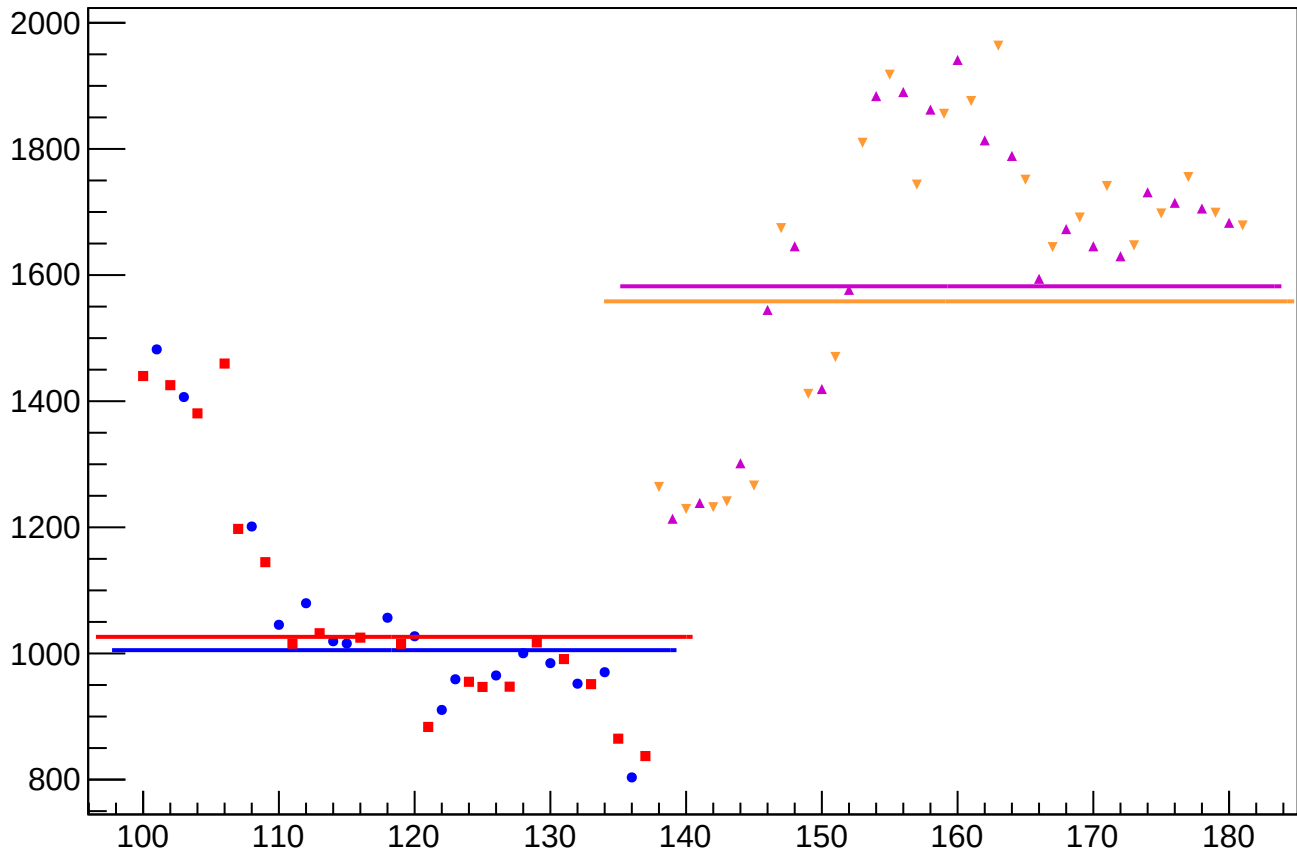
Left In: -6.393 ± 0.396 χ^2/NDF : 766.1/20

+ sign -7.625 ± 0.273 χ^2/NDF : 1018.8/39

All: -5.220 ± 0.195 χ^2/NDF : 2235.2/79

- sign -2.727 ± 0.278 χ^2/NDF : 1058.0/39

diff_bpm0l04Y_rms vs Slug



Right In: 1005.234 ± 0.278 χ^2/NDF : 361933.2/16

Left Out: 1558.315 ± 0.268 χ^2/NDF : 806901.0/22

Right Out: 1026.341 ± 0.275 χ^2/NDF : 332964.3/18

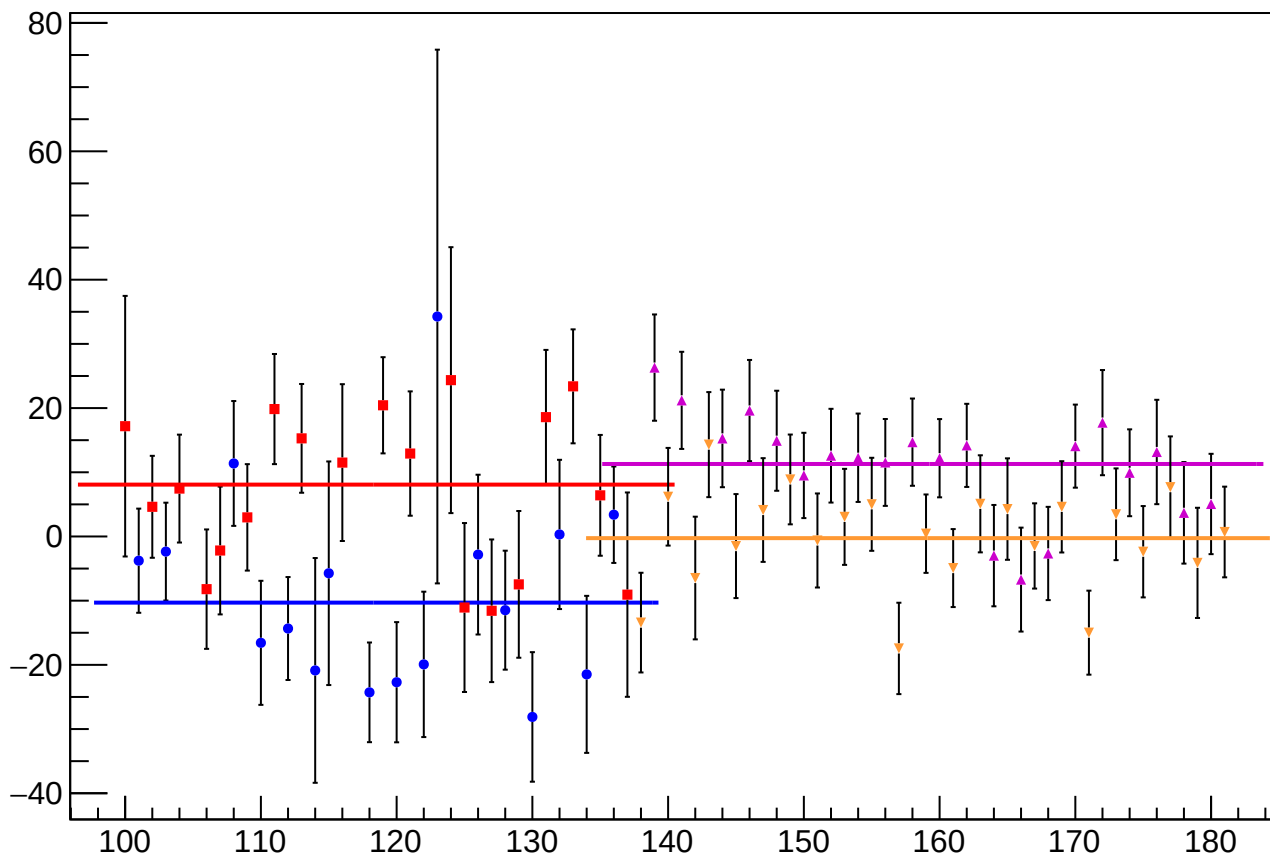
Left In: 1582.192 ± 0.280 χ^2/NDF : 619851.4/20

+ sign 1292.378 ± 0.193 χ^2/NDF : 3221825.5/39

All: 1295.795 ± 0.138 χ^2/NDF : 6178575.4/79

- sign 1299.336 ± 0.196 χ^2/NDF : 2956110.8/39

diff_bpm0l05X_mean vs Slug



Right In: -10.305 ± 2.412 χ^2/NDF : 23.2/16

Left Out: -0.261 ± 1.528 χ^2/NDF : 24.3/22

Right Out: 8.079 ± 2.281 χ^2/NDF : 23.4/18

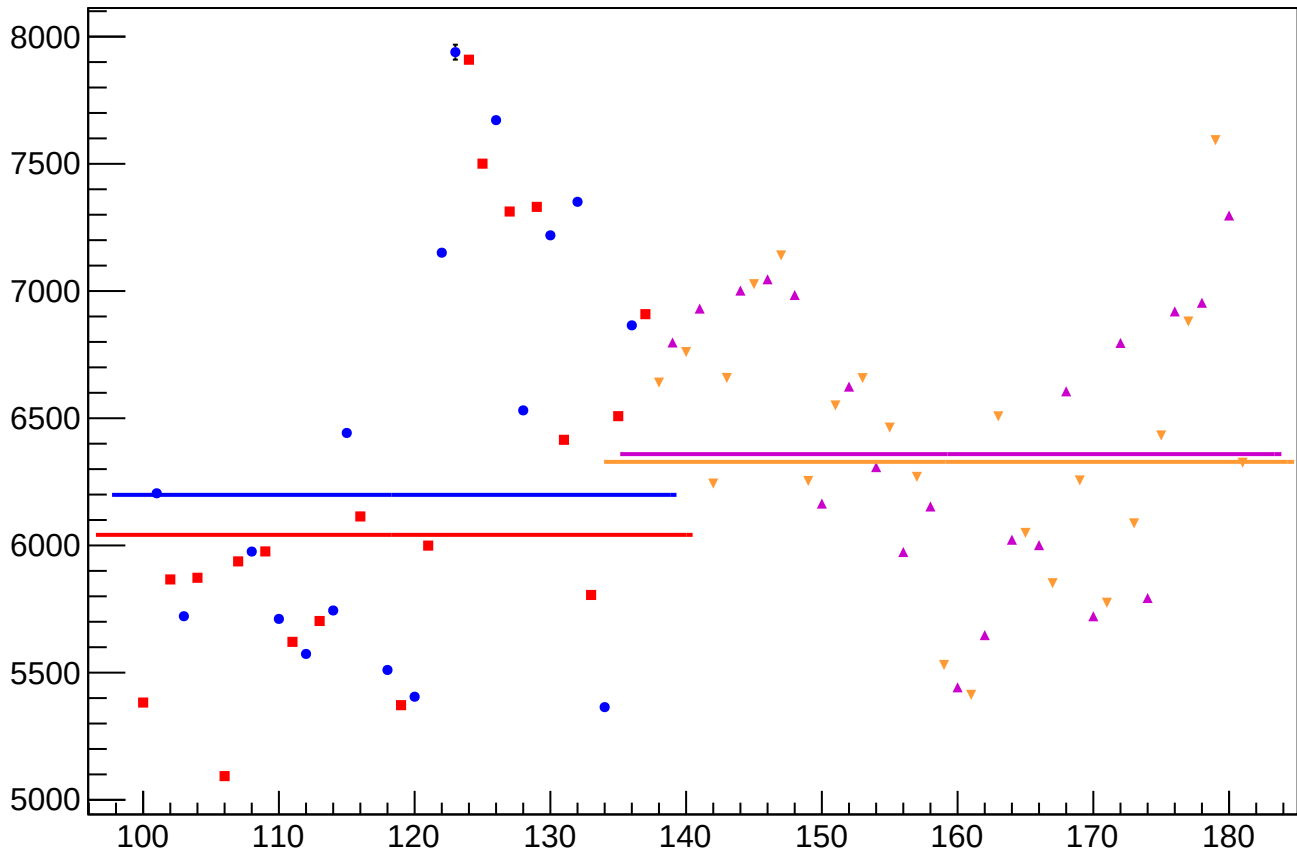
Left In: 11.292 ± 1.587 χ^2/NDF : 21.6/20

+ sign -3.138 ± 1.291 χ^2/NDF : 59.9/39

All: 3.492 ± 0.917 χ^2/NDF : 159.5/79

- sign 10.244 ± 1.303 χ^2/NDF : 46.3/39

diff_bpm0l05X_rms vs Slug



Right In: 6198.871+/-1.705 χ^2/NDF : 171305.8/16

Left Out: 6328.621+/-1.081 χ^2/NDF : 218826.3/22

Right Out: 6041.626+/-1.613 χ^2/NDF : 156387.0/18

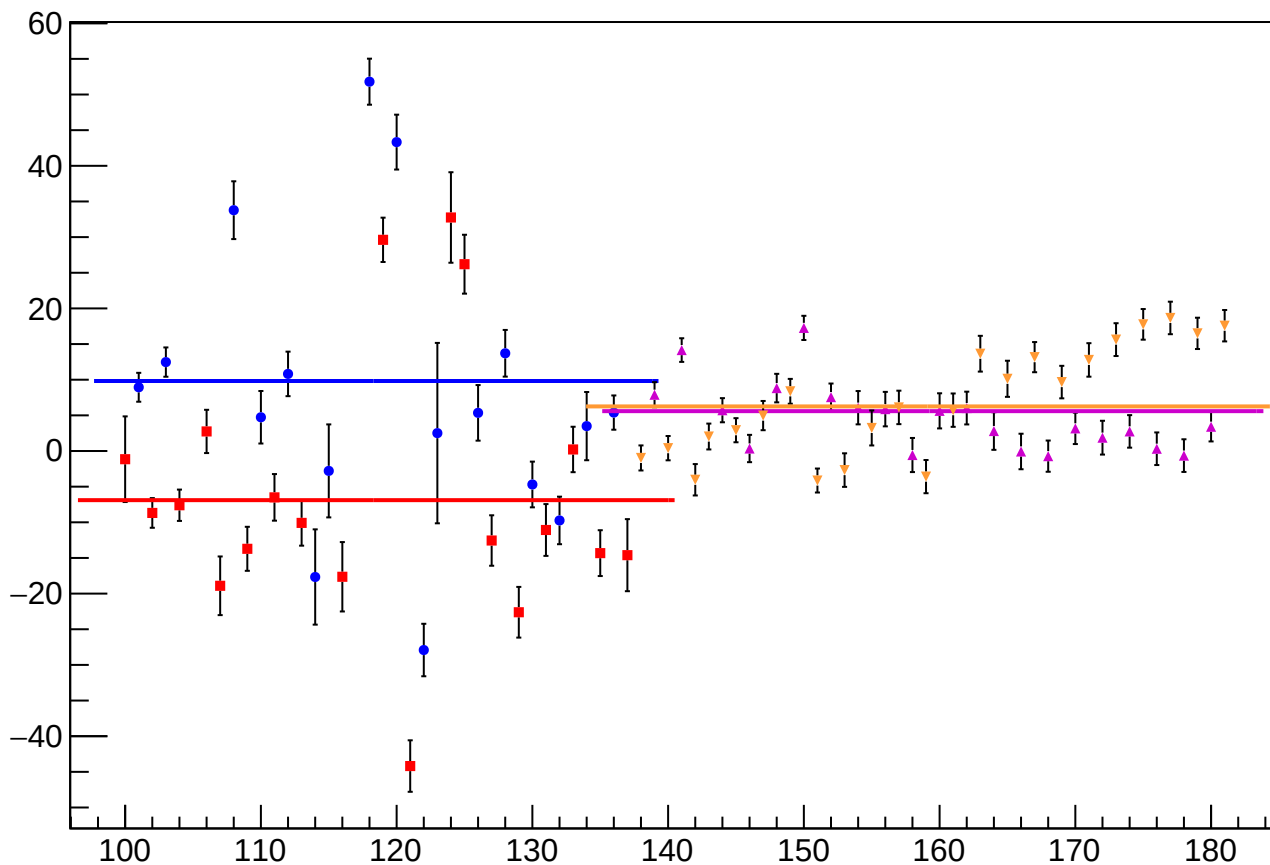
Left In: 6358.998+/-1.122 χ^2/NDF : 240166.3/20

+ sign 6291.454+/-0.913 χ^2/NDF : 394262.5/39

All: 6273.625+/-0.648 χ^2/NDF : 817680.8/79

- sign 6255.469+/-0.921 χ^2/NDF : 422648.3/39

diff_bpm0l05Y_mean vs Slug



Right In: 9.819 ± 0.798 χ^2/NDF : 472.6/16

Left Out: 6.255 ± 0.436 χ^2/NDF : 288.5/22

Right Out: -6.893 ± 0.766 χ^2/NDF : 415.2/18

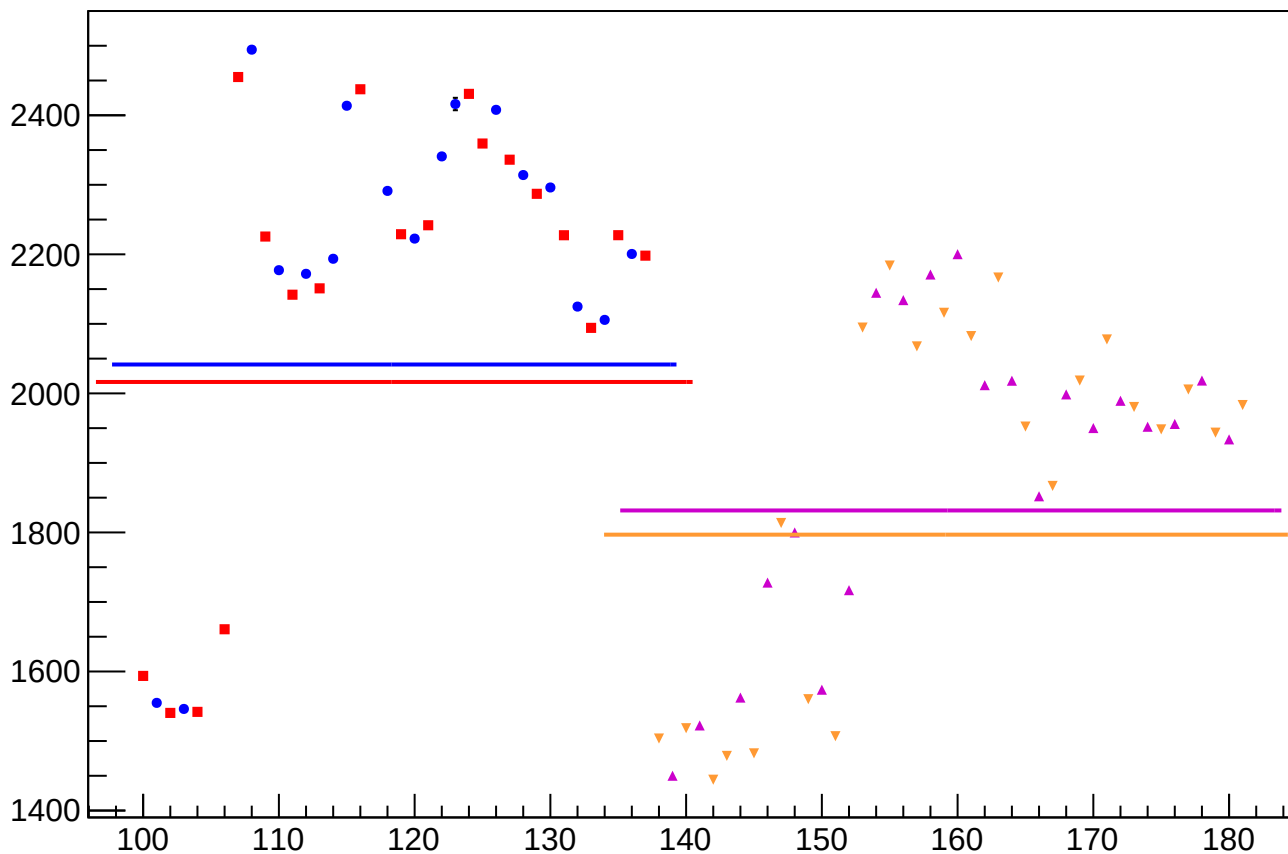
Left In: 5.590 ± 0.458 χ^2/NDF : 127.4/20

+ sign 7.073 ± 0.382 χ^2/NDF : 776.5/39

All: 4.753 ± 0.274 χ^2/NDF : 1590.5/79

- sign 2.304 ± 0.393 χ^2/NDF : 738.3/39

diff_bpm0l05Y_rms vs Slug



Right In: 2041.543 $\pm$ 0.564 χ^2 /NDF: 356223.7/16

Left Out: 1796.810 $\pm$ 0.308 χ^2 /NDF: 726803.5/22

Right Out: 2016.419 $\pm$ 0.542 χ^2 /NDF: 375150.5/18

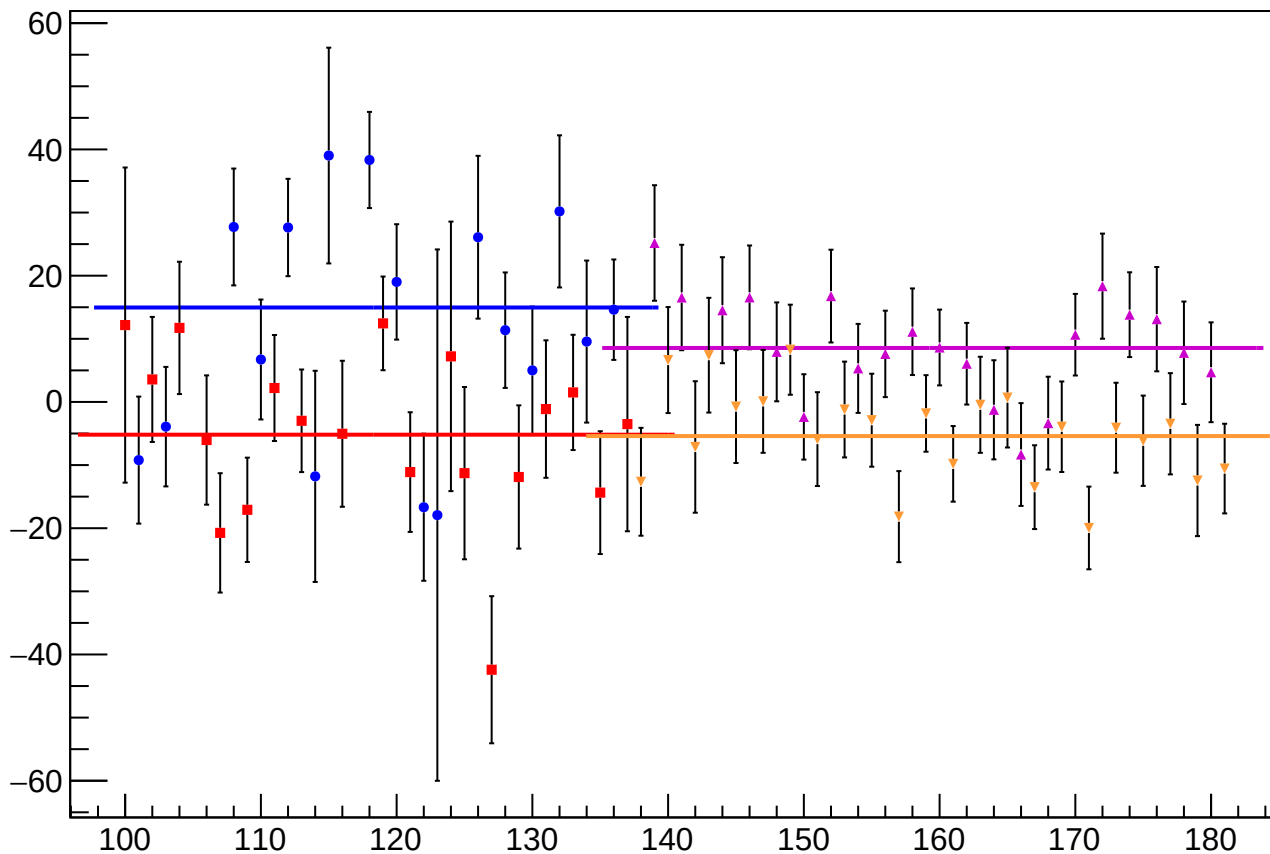
Left In: 1831.620 $\pm$ 0.324 χ^2 /NDF: 504864.7/20

+ sign 1853.013 $\pm$ 0.270 χ^2 /NDF: 1227945.0/39

All: 1866.270 $\pm$ 0.194 χ^2 /NDF: 2198705.9/79

- sign 1880.266 $\pm$ 0.278 χ^2 /NDF: 965819.5/39

diff_bpm0l06X_mean vs Slug



Right In: 14.961 ± 2.490 χ^2/NDF : 40.9/16

Left Out: -5.408 ± 1.560 χ^2/NDF : 22.4/22

Right Out: -5.187 ± 2.360 χ^2/NDF : 28.2/18

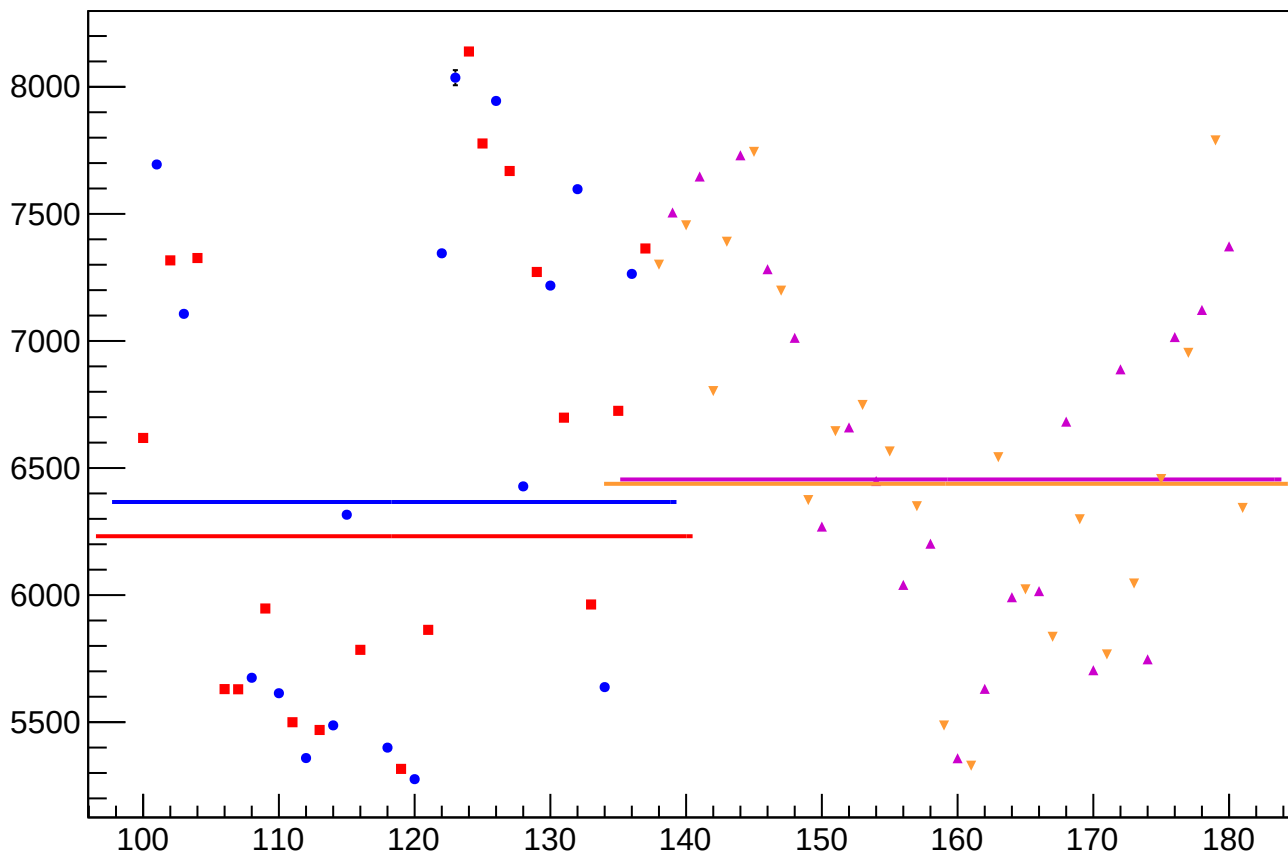
Left In: 8.551 ± 1.617 χ^2/NDF : 21.2/20

+ sign 0.334 ± 1.322 χ^2/NDF : 111.4/39

All: 2.231 ± 0.939 χ^2/NDF : 188.0/79

- sign 4.162 ± 1.334 χ^2/NDF : 72.5/39

diff_bpm0l06X_rms vs Slug



Right In: 6366.340+/-1.760 χ^2/NDF : 285567.3/16

Left Out: 6437.907+/-1.103 χ^2/NDF : 363969.9/22

Right Out: 6231.657+/-1.669 χ^2/NDF : 241308.4/18

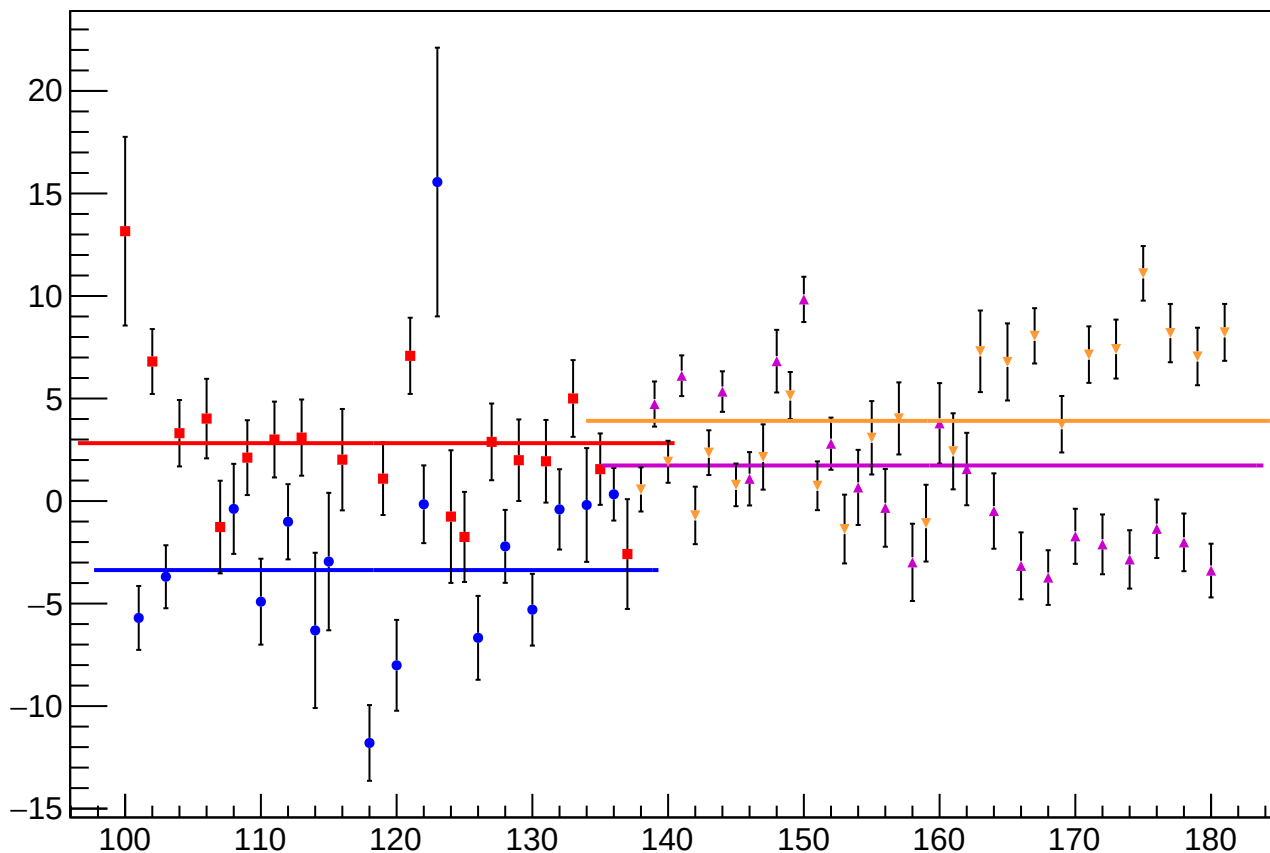
Left In: 6455.023+/-1.143 χ^2/NDF : 375002.1/20

+ sign 6417.731+/-0.935 χ^2/NDF : 650723.9/39

All: 6400.851+/-0.664 χ^2/NDF : 1279886.9/79

- sign 6383.664+/-0.943 χ^2/NDF : 628504.7/39

diff_bpm0l06Y_mean vs Slug



Right In: -3.367 ± 0.476 χ^2/NDF : 59.6/16

Left Out: 3.911 ± 0.286 χ^2/NDF : 141.7/22

Right Out: 2.823 ± 0.457 χ^2/NDF : 33.5/18

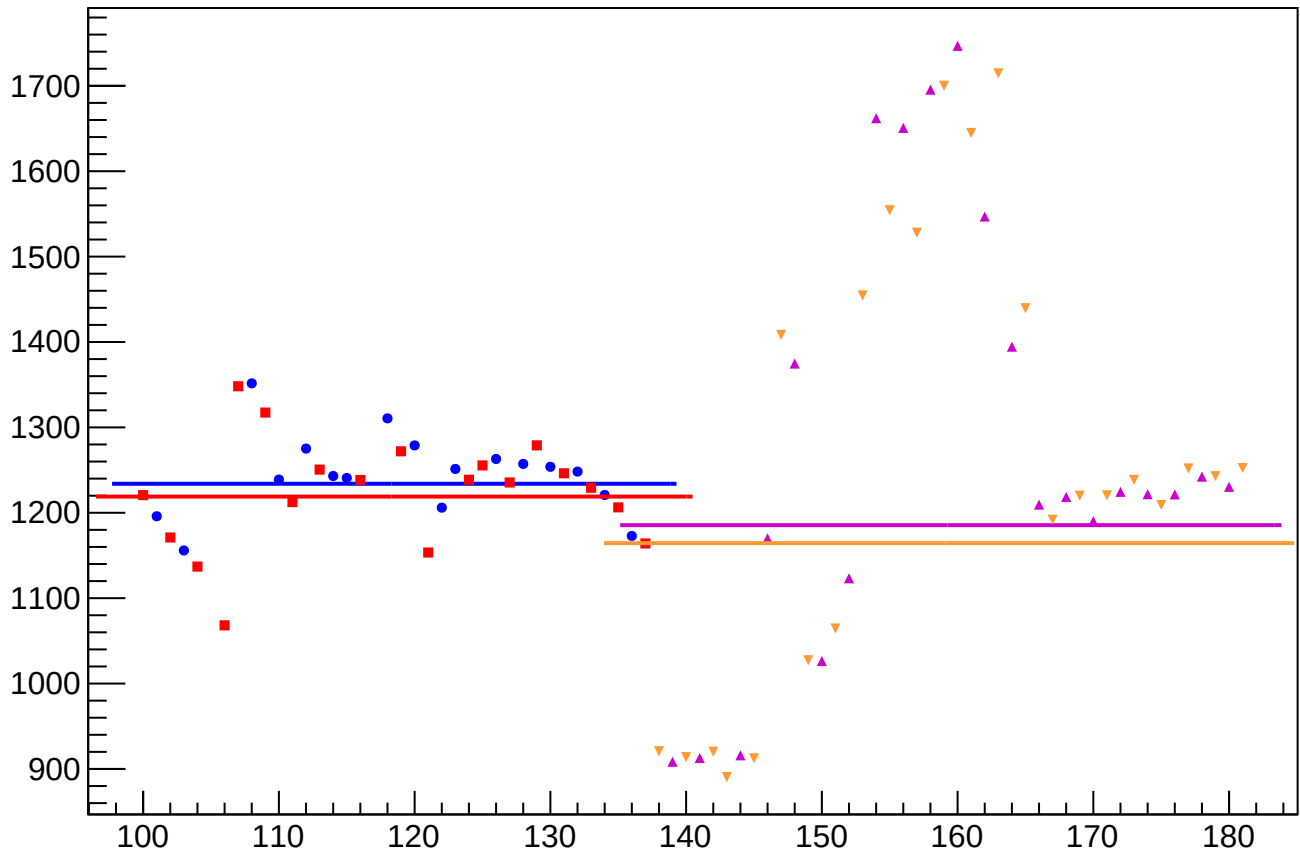
Left In: 1.734 ± 0.300 χ^2/NDF : 193.2/20

+ sign 1.983 ± 0.245 χ^2/NDF : 372.9/39

All: 2.022 ± 0.175 χ^2/NDF : 603.6/79

- sign 2.062 ± 0.251 χ^2/NDF : 230.7/39

diff_bpm0l06Y_rms vs Slug



Right In: 1233.978 $\pm$ 0.337 χ^2 /NDF: 23557.3/16

Left Out: 1164.451 $\pm$ 0.202 χ^2 /NDF:1386912.8/22

Right Out: 1218.985 $\pm$ 0.323 χ^2 /NDF: 40373.1/18

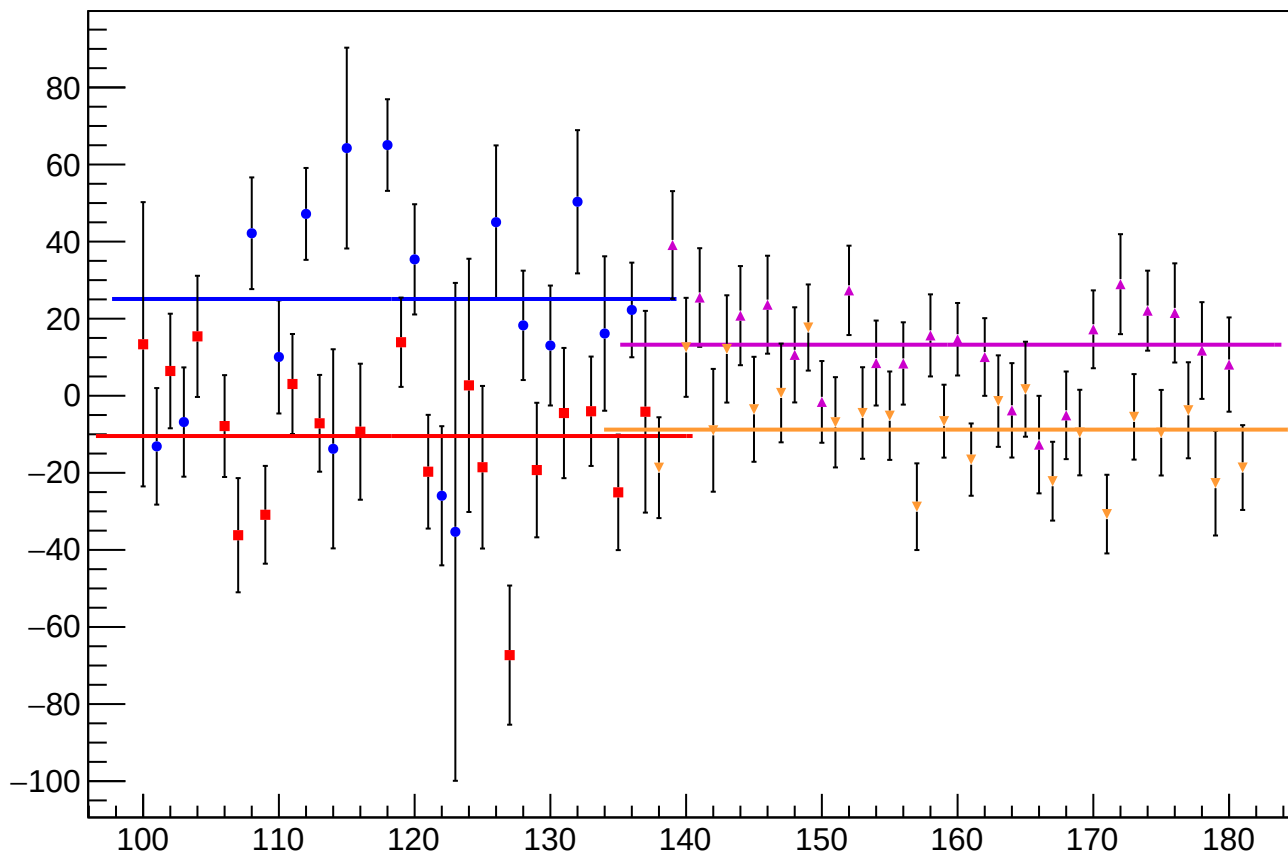
Left In: 1185.512 $\pm$ 0.212 χ^2 /NDF:1190050.7/20

+ sign 1182.869 $\pm$ 0.173 χ^2 /NDF: 1441792.6/39

All: 1189.086 $\pm$ 0.124 χ^2 /NDF: 2682341.6/79

- sign 1195.601 $\pm$ 0.177 χ^2 /NDF: 1237914.9/39

diff_bpm0l07X_mean vs Slug



Right In: 25.108 ± 3.844 $\chi^2/\text{NDF}: 46.5/16$

Left Out: -8.785 ± 2.424 $\chi^2/\text{NDF}: 25.6/22$

Right Out: -10.450 ± 3.598 $\chi^2/\text{NDF}: 27.8/18$

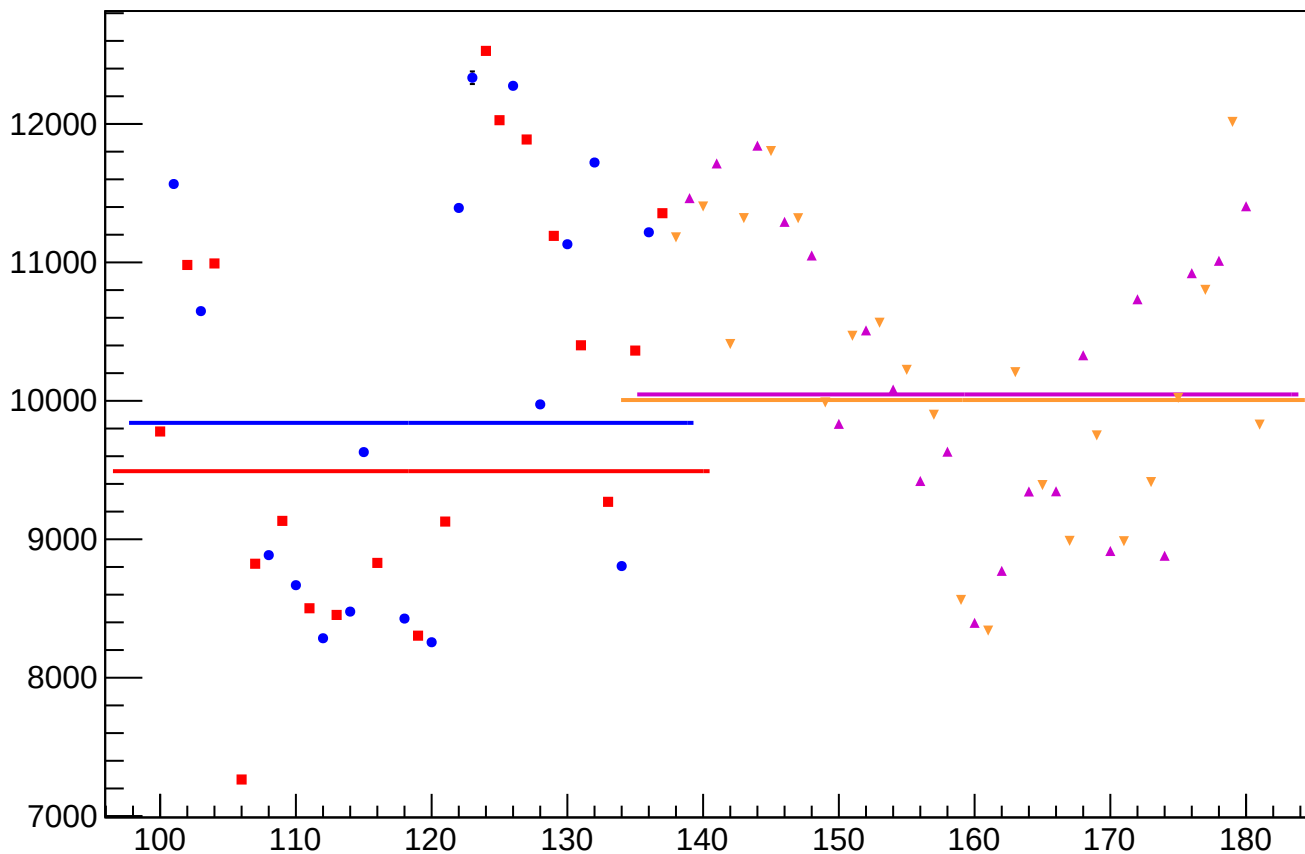
Left In: 13.245 ± 2.515 $\chi^2/\text{NDF}: 21.1/20$

+ sign 0.856 ± 2.050 $\chi^2/\text{NDF}: 127.7/39$

All: 3.149 ± 1.454 $\chi^2/\text{NDF}: 208.3/79$

- sign 5.467 ± 2.062 $\chi^2/\text{NDF}: 78.1/39$

diff_bpm0l07X_rms vs Slug



Right In: 9840.966 ± 2.718 χ^2/NDF : 259106.8/16

Left Out: 10005.843 ± 1.714 χ^2/NDF : 337423.4/22

Right Out: 9491.994 ± 2.544 χ^2/NDF : 274580.8/18

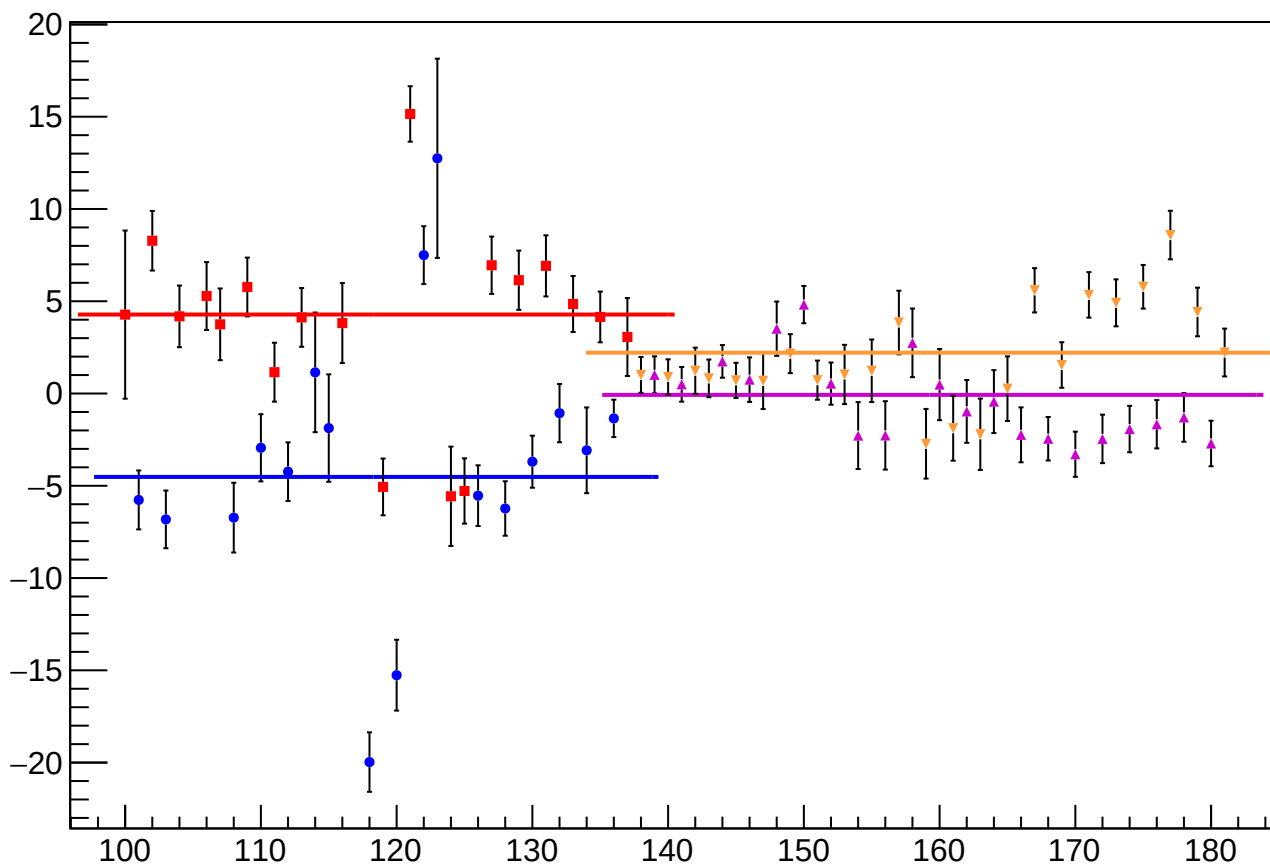
Left In: 10046.358 ± 1.779 χ^2/NDF : 349073.3/20

+ sign 9958.943 ± 1.450 χ^2/NDF : 599163.0/39

All: 9911.931 ± 1.028 χ^2/NDF : 1256821.2/79

- sign 9864.399 ± 1.458 χ^2/NDF : 655543.4/39

diff_bpm0l07Y_mean vs Slug



Right In: -4.520 ± 0.409 χ^2/NDF : 218.2/16

Left Out: 2.214 ± 0.263 χ^2/NDF : 86.4/22

Right Out: 4.279 ± 0.395 χ^2/NDF : 150.4/18

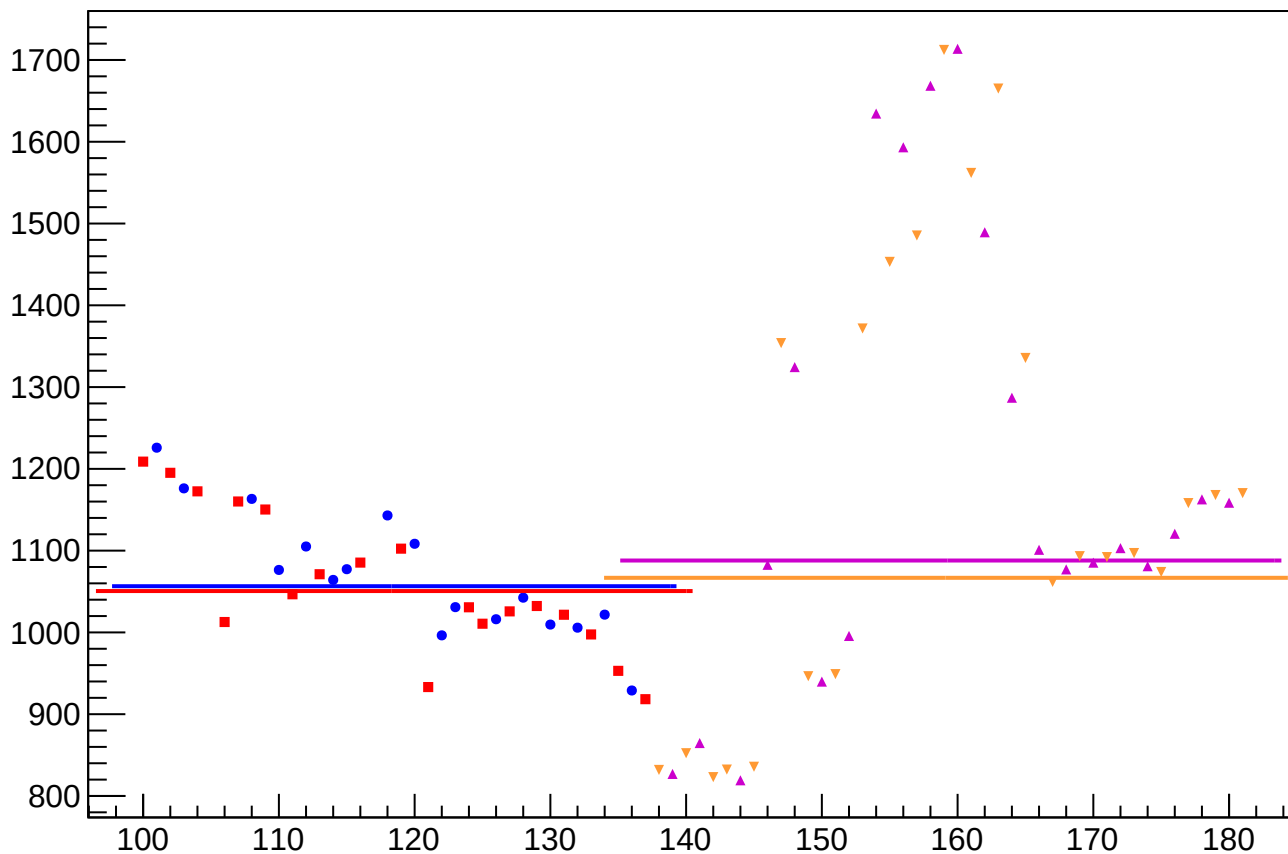
Left In: -0.074 ± 0.277 χ^2/NDF : 66.9/20

+ sign 0.240 ± 0.221 χ^2/NDF : 496.3/39

All: 0.789 ± 0.158 χ^2/NDF : 807.7/79

- sign 1.365 ± 0.227 χ^2/NDF : 298.8/39

diff_bpm0l07Y_rms vs Slug



Right In: 1056.494 $\pm$ 0.289 χ^2 /NDF: 90759.5/16

Left Out: 1066.770 $\pm$ 0.186 χ^2 /NDF:1600120.9/22

Right Out: 1050.578 $\pm$ 0.279 χ^2 /NDF: 82328.7/18

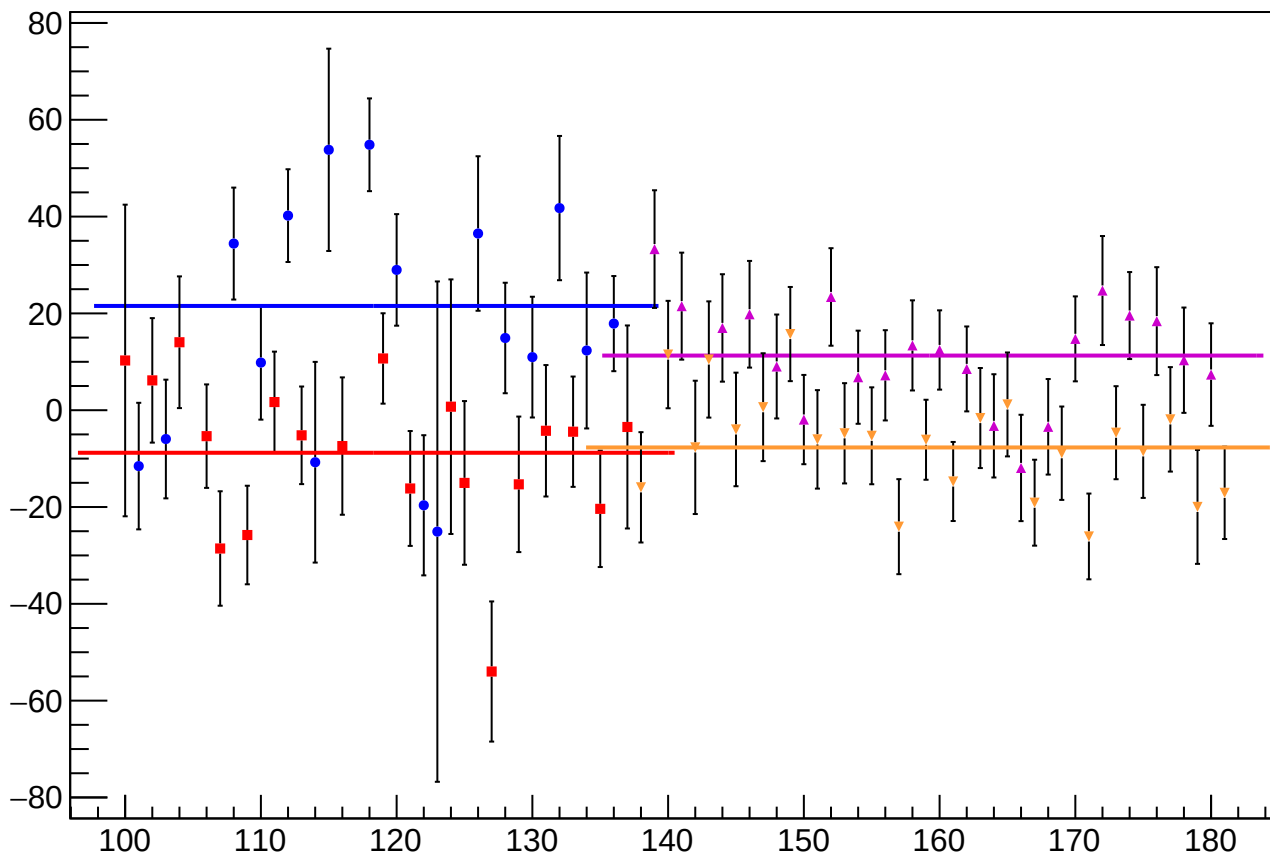
Left In: 1087.917 $\pm$ 0.196 χ^2 /NDF:1429513.4/20

+ sign 1063.759 $\pm$ 0.157 χ^2 /NDF: 1691773.4/39

All: 1069.522 $\pm$ 0.112 χ^2 /NDF: 3218383.6/79

- sign 1075.576 $\pm$ 0.160 χ^2 /NDF: 1523830.3/39

diff_bpm0l08X_mean vs Slug



Right In: 21.541 $\pm$ 3.116 χ^2/NDF : 47.9/16

Left Out: -7.694 $\pm$ 2.106 χ^2/NDF : 25.4/22

Right Out: -8.792 $\pm$ 2.915 χ^2/NDF : 27.6/18

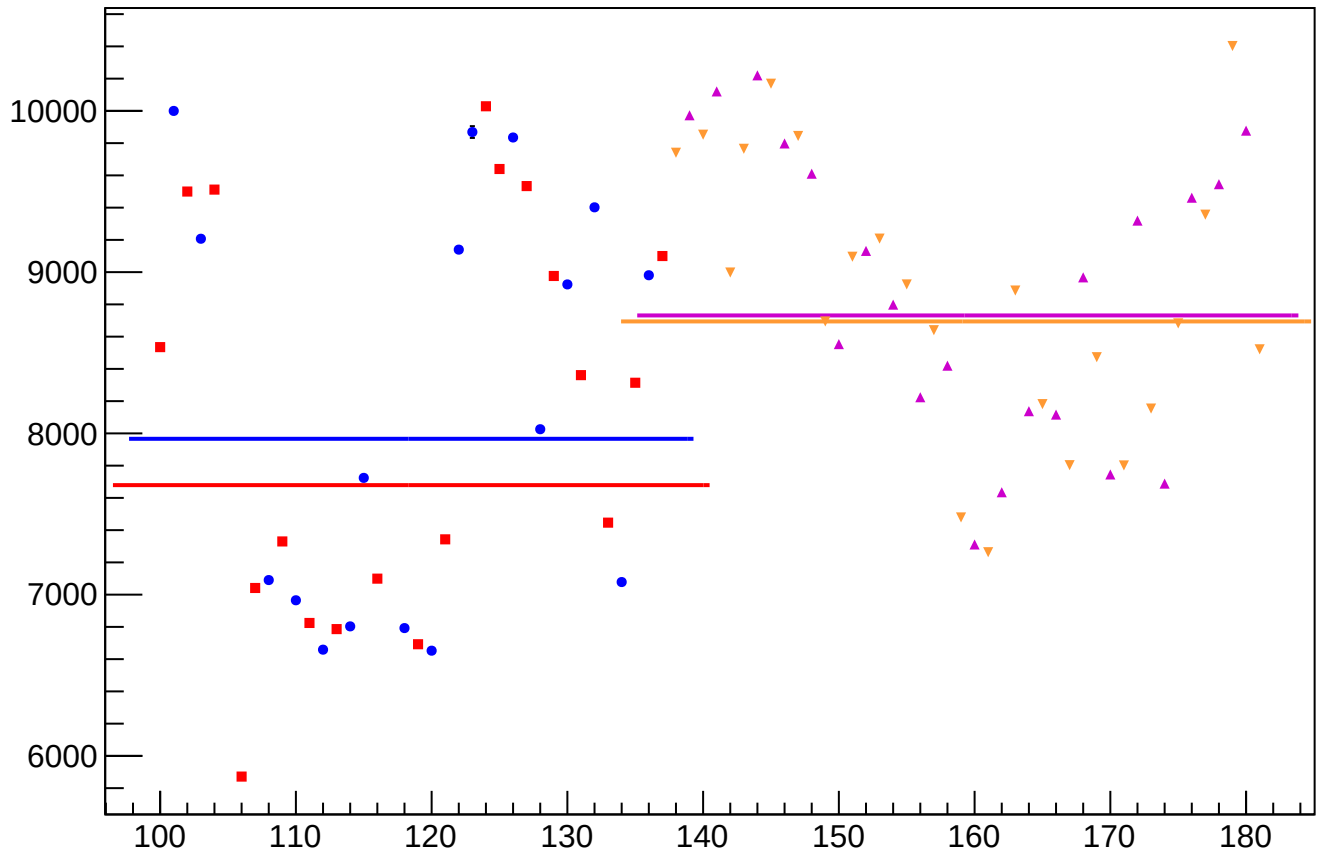
Left In: 11.288 $\pm$ 2.186 χ^2/NDF : 20.6/20

+ sign 1.471 $\pm$ 1.745 χ^2/NDF : 133.8/39

All: 2.764 $\pm$ 1.235 χ^2/NDF : 213.5/79

- sign 4.062 $\pm$ 1.749 χ^2/NDF : 78.6/39

diff_bpm0l08X_rms vs Slug



Right In: 7966.450+/-2.203 χ^2/NDF : 295660.2/16

Left Out: 8694.336+/-1.489 χ^2/NDF : 325695.7/22

Right Out: 7679.131+/-2.061 χ^2/NDF : 313051.7/18

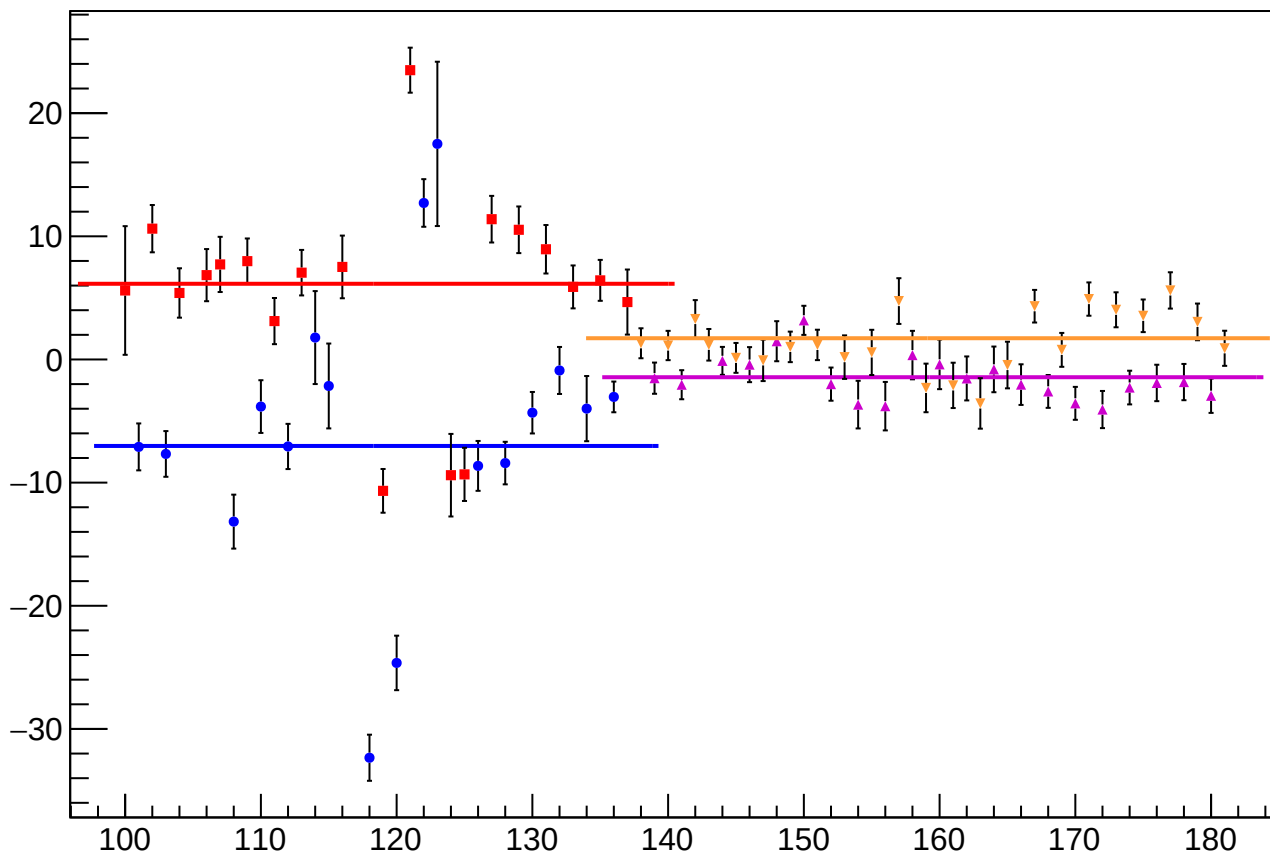
Left In: 8731.489+/-1.545 χ^2/NDF : 338595.9/20

+ sign 8466.148+/-1.234 χ^2/NDF : 696283.2/39

All: 8409.596+/-0.873 χ^2/NDF : 1519017.5/79

- sign 8352.784+/-1.236 χ^2/NDF : 818521.6/39

diff_bpm0l08Y_mean vs Slug



Right In: -7.022 ± 0.487 χ^2/NDF : 407.3/16

Left Out: 1.725 ± 0.304 χ^2/NDF : 47.7/22

Right Out: 6.146 ± 0.467 χ^2/NDF : 278.4/18

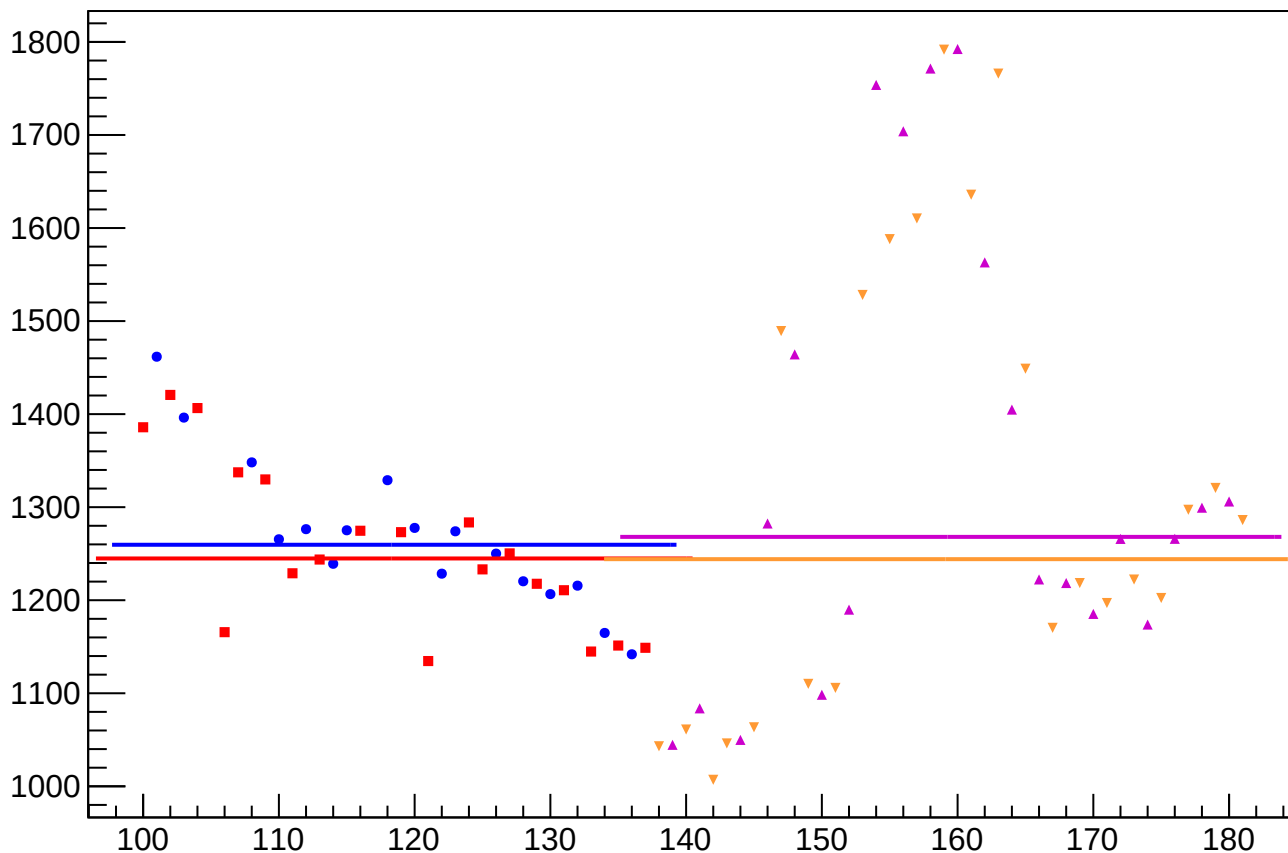
Left In: -1.441 ± 0.320 χ^2/NDF : 33.0/20

+ sign -0.723 ± 0.258 χ^2/NDF : 687.2/39

All: 0.106 ± 0.184 χ^2/NDF : 1199.3/79

- sign 0.976 ± 0.264 χ^2/NDF : 490.9/39

diff_bpm0l08Y_rms vs Slug



Right In: 1259.602 $\pm$ 0.344 χ^2 /NDF: 64816.8/16

Left Out: 1244.126 $\pm$ 0.215 χ^2 /NDF: 951596.5/22

Right Out: 1244.874 $\pm$ 0.331 χ^2 /NDF: 66819.5/18

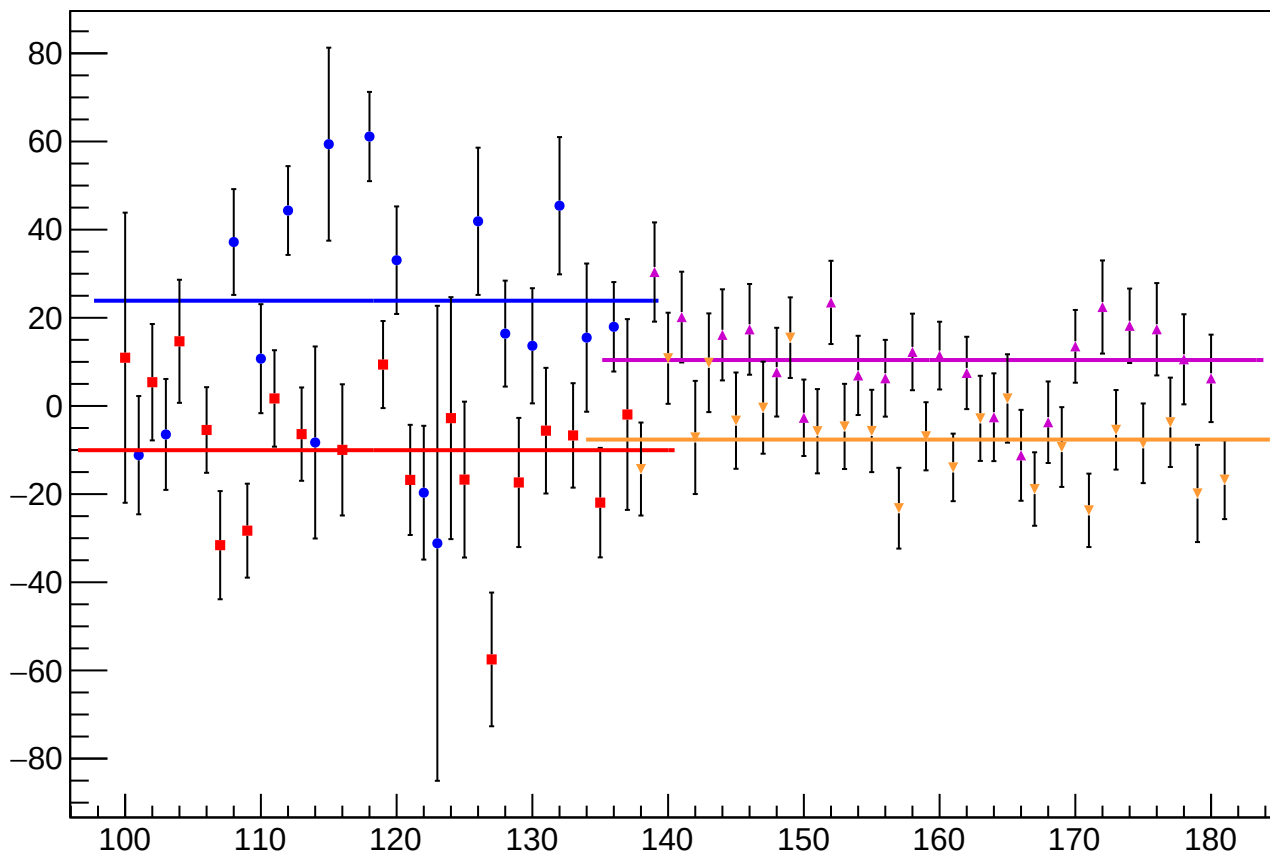
Left In: 1268.075 $\pm$ 0.226 χ^2 /NDF: 842109.7/20

+ sign 1248.458 $\pm$ 0.182 χ^2 /NDF: 1017867.2/39

All: 1254.427 $\pm$ 0.130 χ^2 /NDF: 1932352.6/79

- sign 1260.685 $\pm$ 0.187 χ^2 /NDF: 912286.8/39

diff_bpm0l09X_mean vs Slug



Right In: 23.876 ± 3.256 $\chi^2/\text{NDF}: 52.0/16$

Left Out: -7.626 ± 1.971 $\chi^2/\text{NDF}: 25.9/22$

Right Out: -10.036 ± 3.009 $\chi^2/\text{NDF}: 28.1/18$

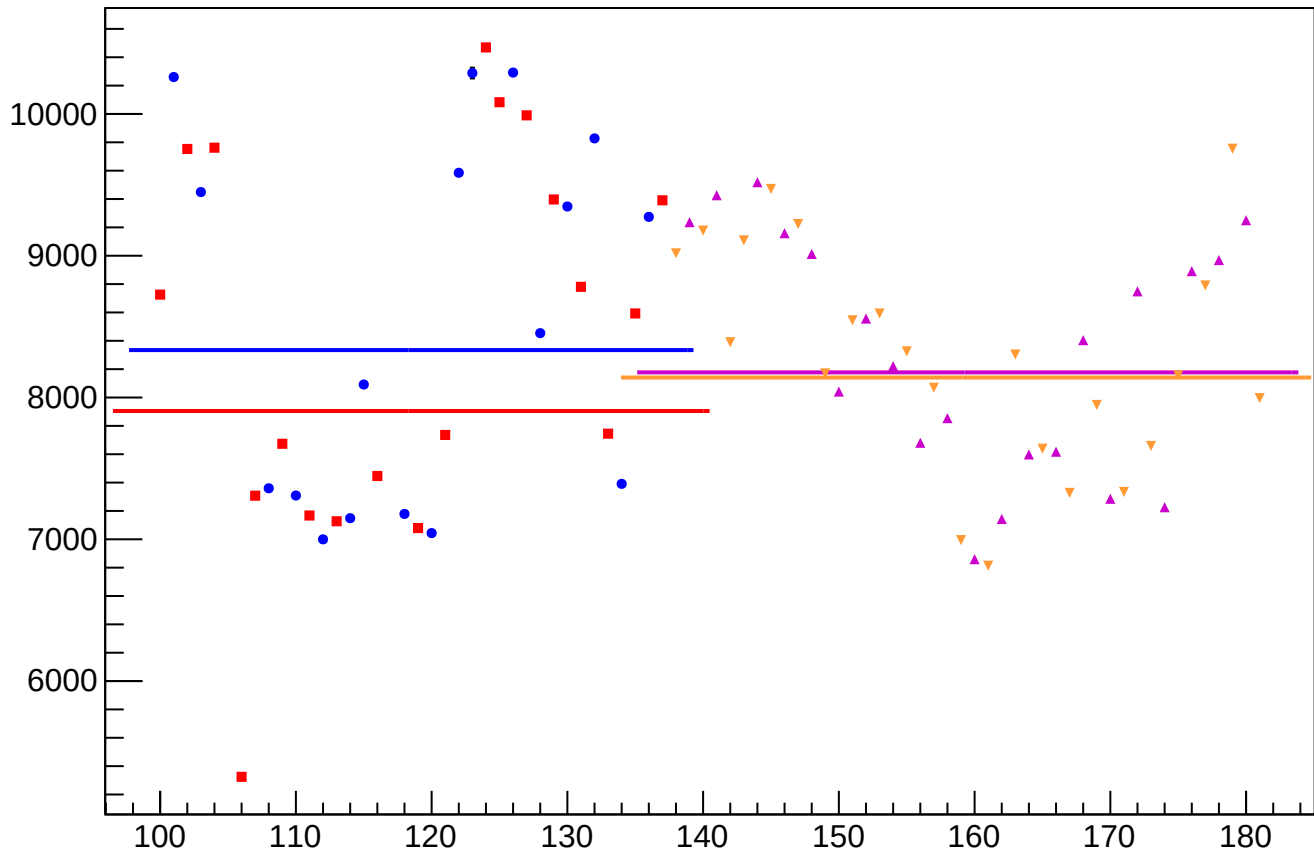
Left In: 10.420 ± 2.046 $\chi^2/\text{NDF}: 21.0/20$

+ sign 0.821 ± 1.686 $\chi^2/\text{NDF}: 146.4/39$

All: 2.380 ± 1.194 $\chi^2/\text{NDF}: 228.8/79$

- sign 3.950 ± 1.692 $\chi^2/\text{NDF}: 80.6/39$

diff_bpm0l09X_rms vs Slug



Right In: 8334.433+/-2.303 χ^2/NDF : 271366.4/16

Left Out: 8140.942+/-1.394 χ^2/NDF : 315252.4/22

Right Out: 7904.987+/-2.127 χ^2/NDF : 388597.2/18

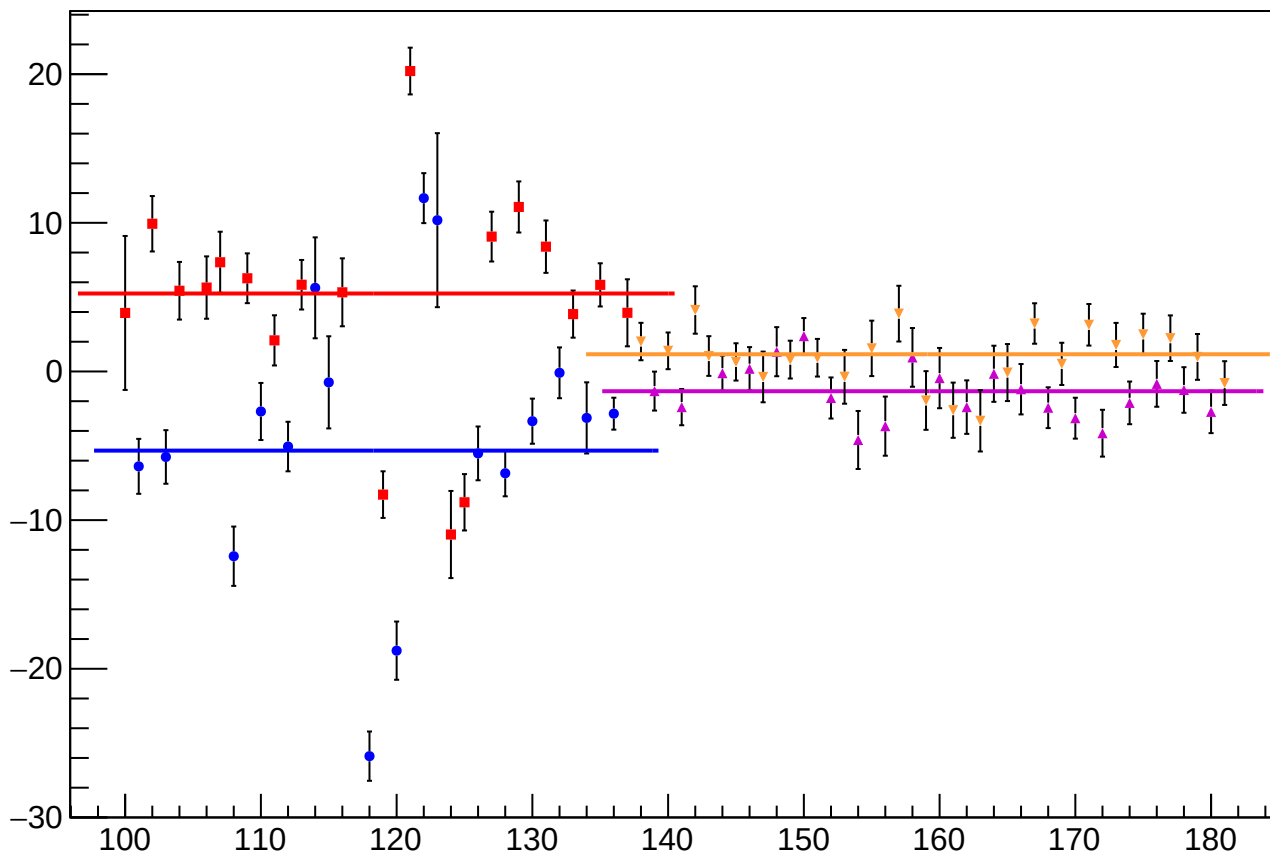
Left In: 8177.247+/-1.447 χ^2/NDF : 329513.3/20

+ sign 8192.829+/-1.192 χ^2/NDF : 591786.8/39

All: 8142.156+/-0.845 χ^2/NDF : 1324719.6/79

- sign 8091.135+/-1.196 χ^2/NDF : 729308.3/39

diff_bpm0l09Y_mean vs Slug



Right In: -5.325 ± 0.438 χ^2/NDF : 355.9/16

Left Out: 1.158 ± 0.313 χ^2/NDF : 27.5/22

Right Out: 5.245 ± 0.422 χ^2/NDF : 283.1/18

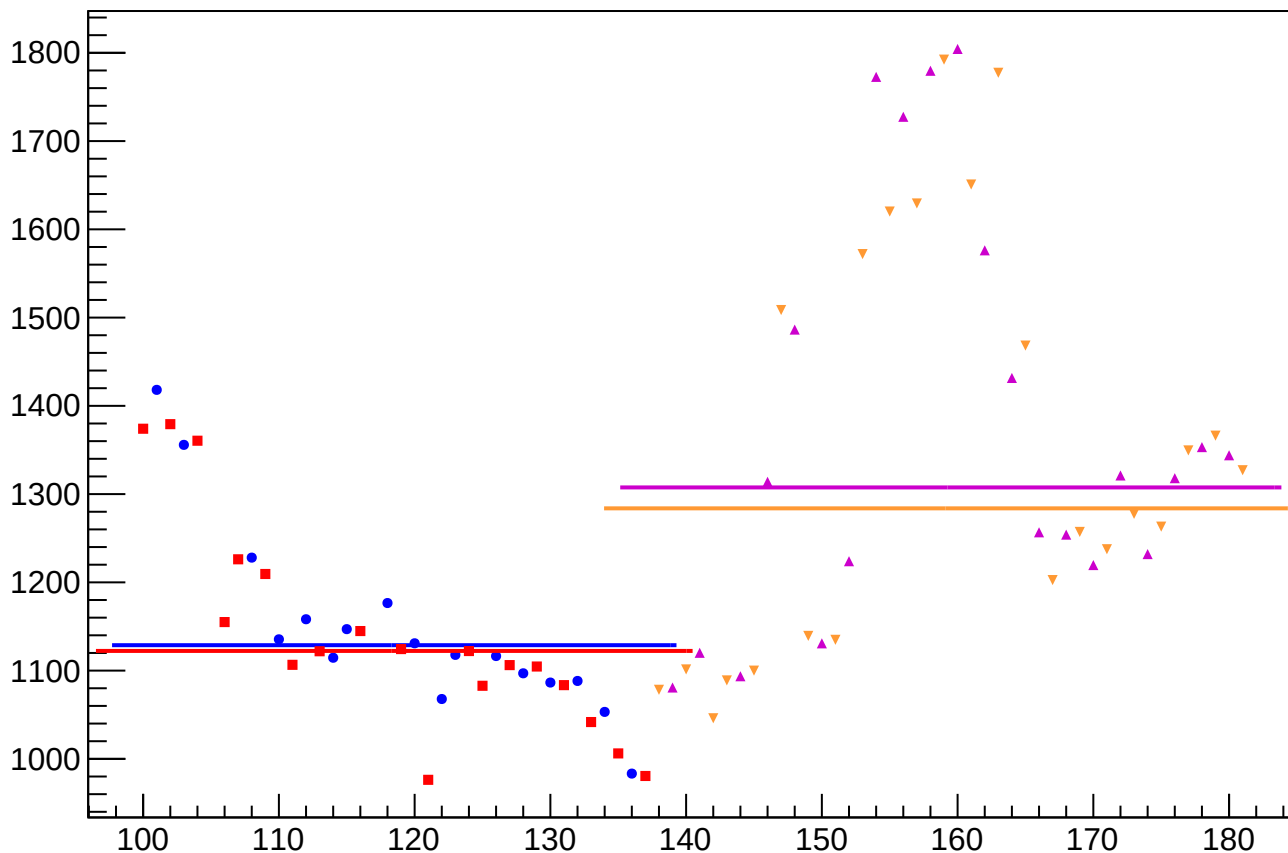
Left In: -1.329 ± 0.329 χ^2/NDF : 28.3/20

+ sign -1.034 ± 0.254 χ^2/NDF : 528.6/39

All: 0.038 ± 0.182 χ^2/NDF : 1027.0/79

- sign 1.153 ± 0.260 χ^2/NDF : 462.2/39

diff_bpm0l09Y_rms vs Slug



Right In: 1128.798 $\pm$ 0.309 χ^2 /NDF: 133077.7/16

Left Out: 1283.851 $\pm$ 0.221 χ^2 /NDF: 864665.0/22

Right Out: 1122.305 $\pm$ 0.299 χ^2 /NDF: 129605.6/18

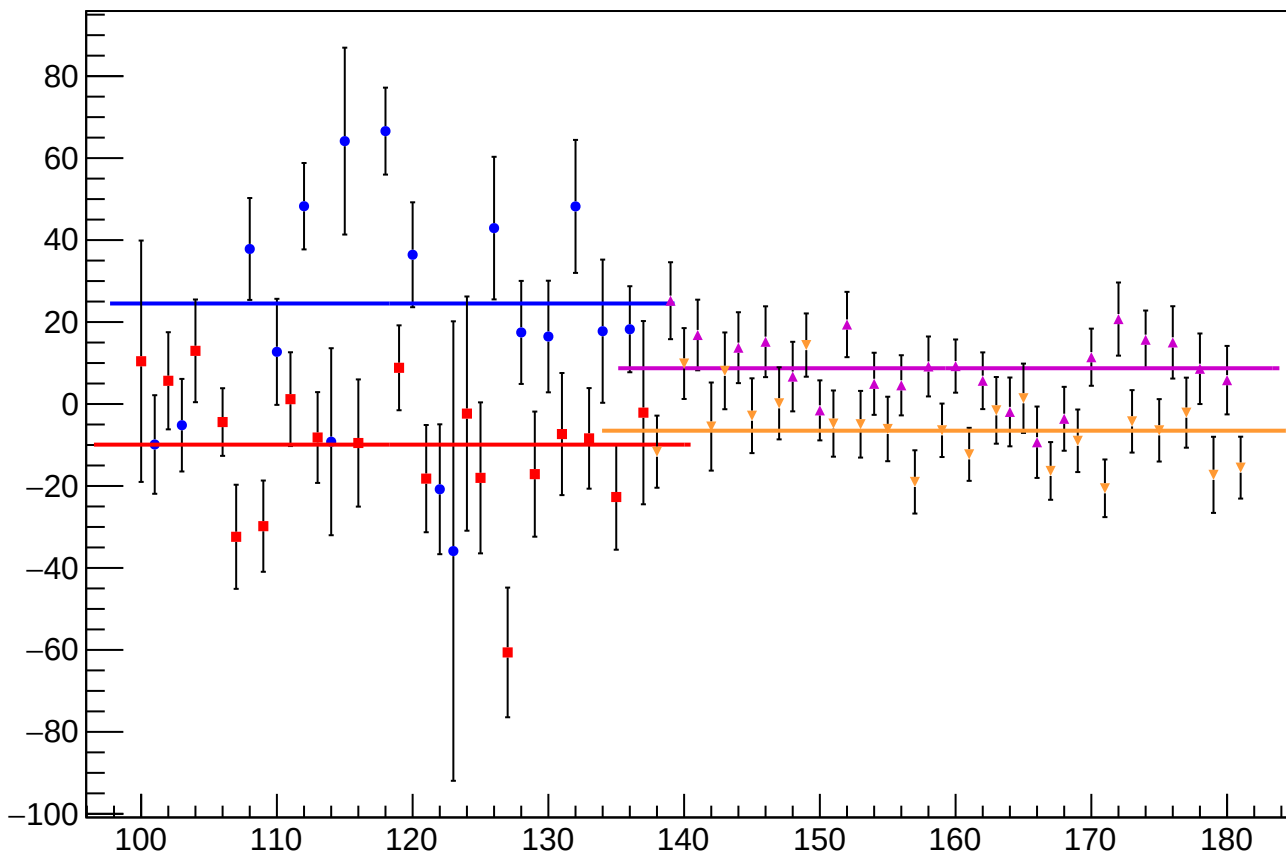
Left In: 1307.559 $\pm$ 0.233 χ^2 /NDF: 757854.9/20

+ sign 1231.429 $\pm$ 0.180 χ^2 /NDF: 1163916.5/39

All: 1234.468 $\pm$ 0.128 χ^2 /NDF: 2291462.7/79

- sign 1237.629 $\pm$ 0.183 χ^2 /NDF: 1126964.1/39

diff_bpm0l10X_mean vs Slug



Right In: 24.527 ± 3.324 $\chi^2/\text{NDF}: 57.7/16$

Left Out: -6.511 ± 1.660 $\chi^2/\text{NDF}: 28.3/22$

Right Out: -9.911 ± 3.010 $\chi^2/\text{NDF}: 28.9/18$

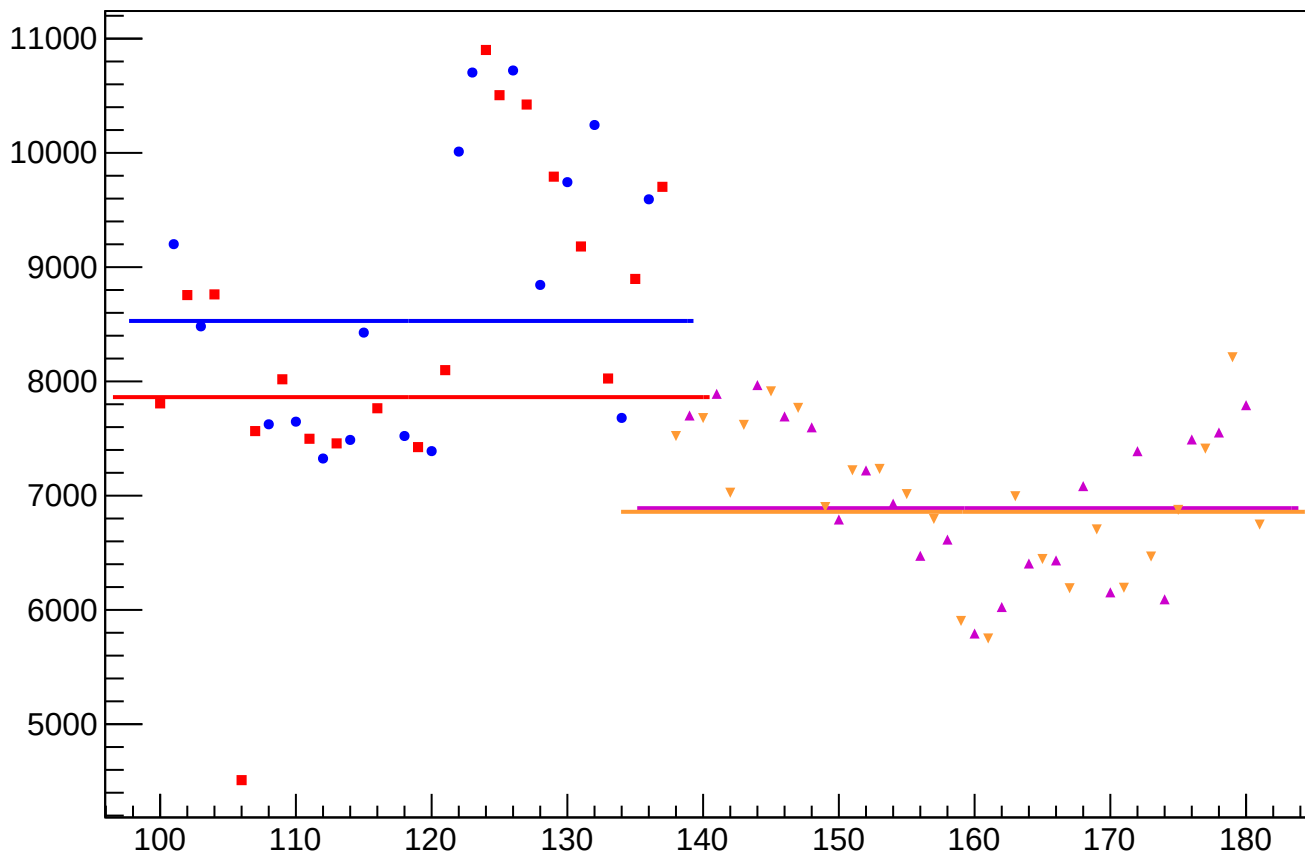
Left In: 8.729 ± 1.724 $\chi^2/\text{NDF}: 21.4/20$

+ sign -0.314 ± 1.485 $\chi^2/\text{NDF}: 155.8/39$

All: 1.890 ± 1.054 $\chi^2/\text{NDF}: 239.4/79$

- sign 4.126 ± 1.496 $\chi^2/\text{NDF}: 79.2/39$

diff_bpm0l10X_rms vs Slug



Right In: 8529.154+/-2.350 χ^2/NDF : 207392.9/16

Left Out: 6858.724+/-1.174 χ^2/NDF : 300676.0/22

Right Out: 7862.444+/-2.129 χ^2/NDF : 552825.5/18

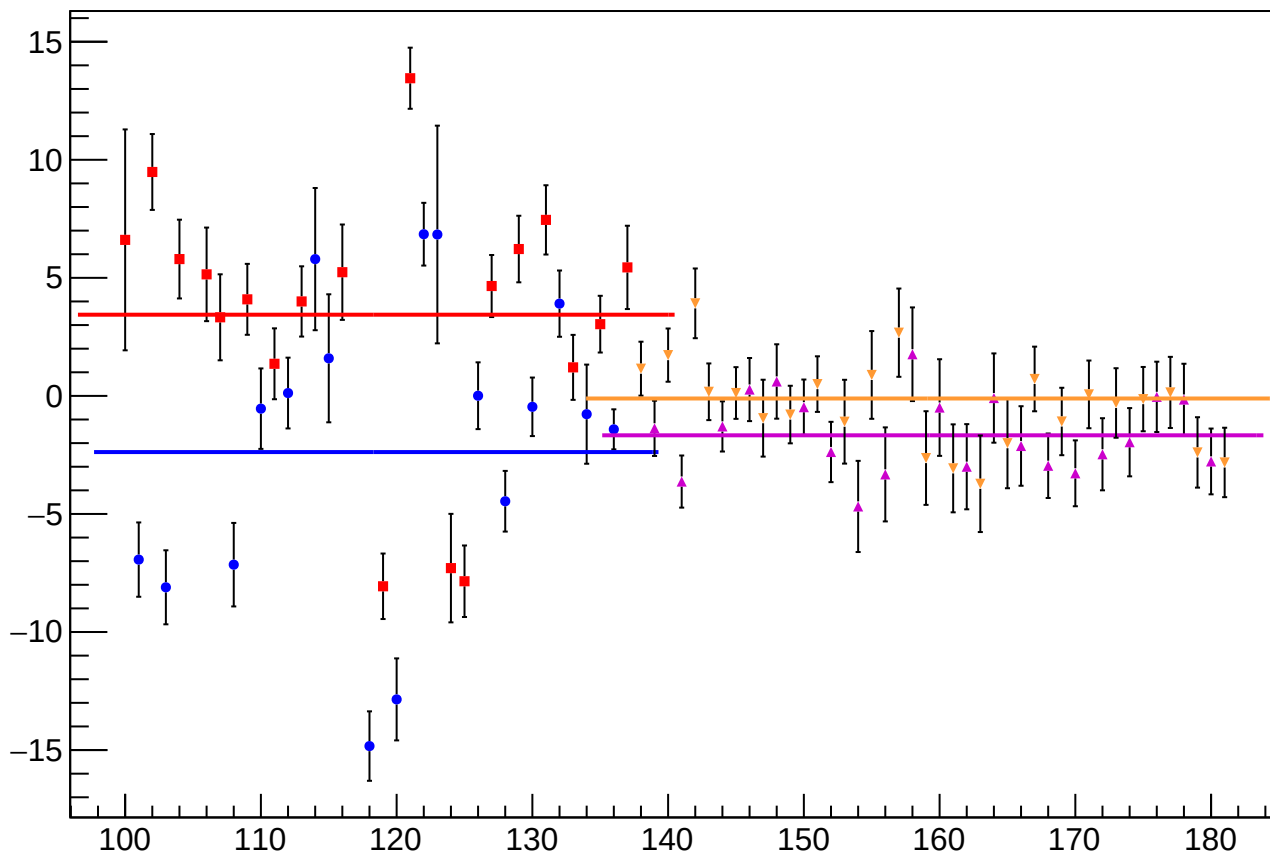
Left In: 6890.496+/-1.219 χ^2/NDF : 317137.0/20

+ sign 7192.237+/-1.050 χ^2/NDF : 912324.5/39

All: 7161.586+/-0.745 χ^2/NDF : 1940998.5/79

- sign 7130.491+/-1.058 χ^2/NDF : 1026958.1/39

diff_bpm0l10Y_mean vs Slug



Right In: -2.379 ± 0.366 χ^2/NDF : 232.6/16

Left Out: -0.110 ± 0.300 χ^2/NDF : 30.0/22

Right Out: 3.439 ± 0.359 χ^2/NDF : 242.7/18

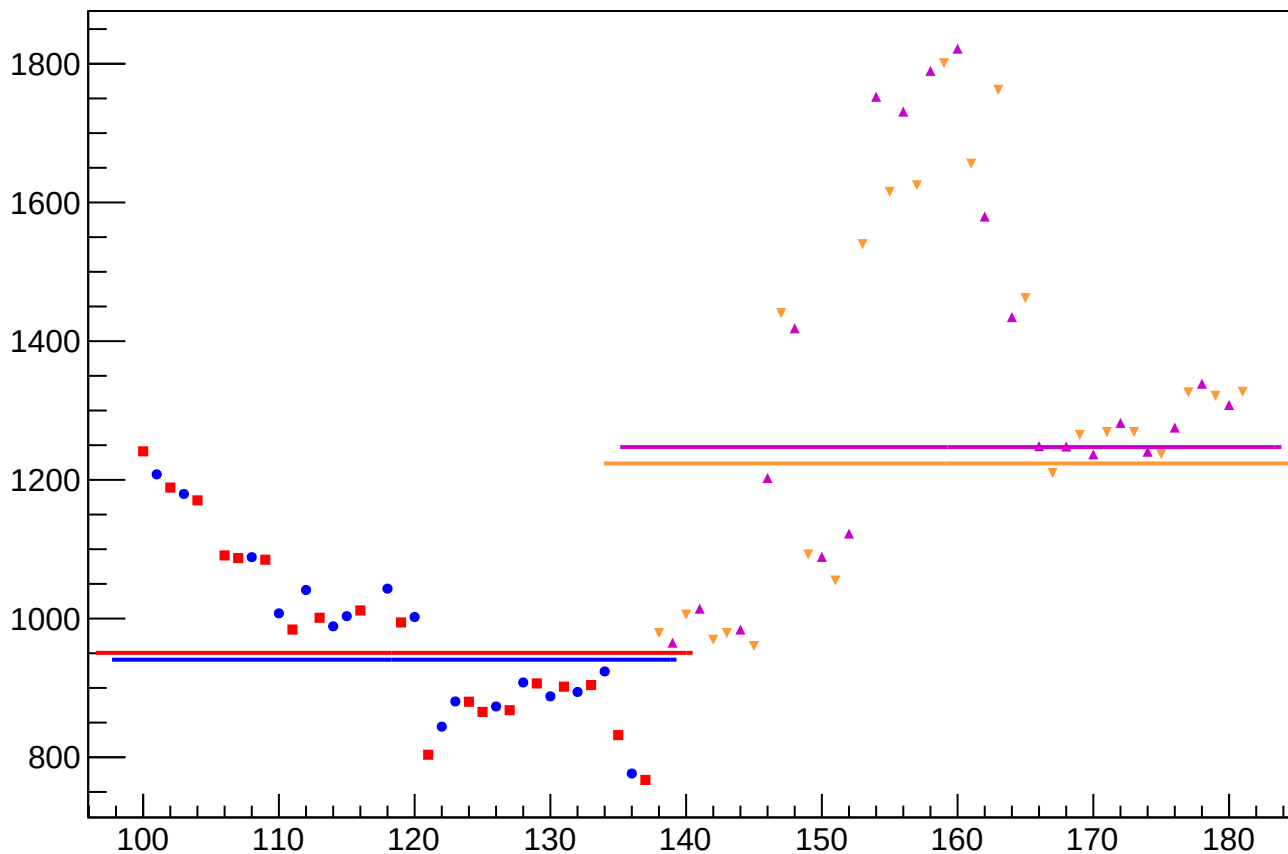
Left In: -1.669 ± 0.315 χ^2/NDF : 22.0/20

+ sign -1.020 ± 0.232 χ^2/NDF : 285.5/39

All: -0.248 ± 0.166 χ^2/NDF : 687.1/79

- sign 0.557 ± 0.237 χ^2/NDF : 379.0/39

diff_bpm0l10Y_rms vs Slug



Right In: 940.732+/-0.259 χ^2/NDF : 241704.7/16

Left Out: 1223.705+/-0.212 χ^2/NDF : 1249457.7/22

Right Out: 950.573+/-0.254 χ^2/NDF : 220343.0/18

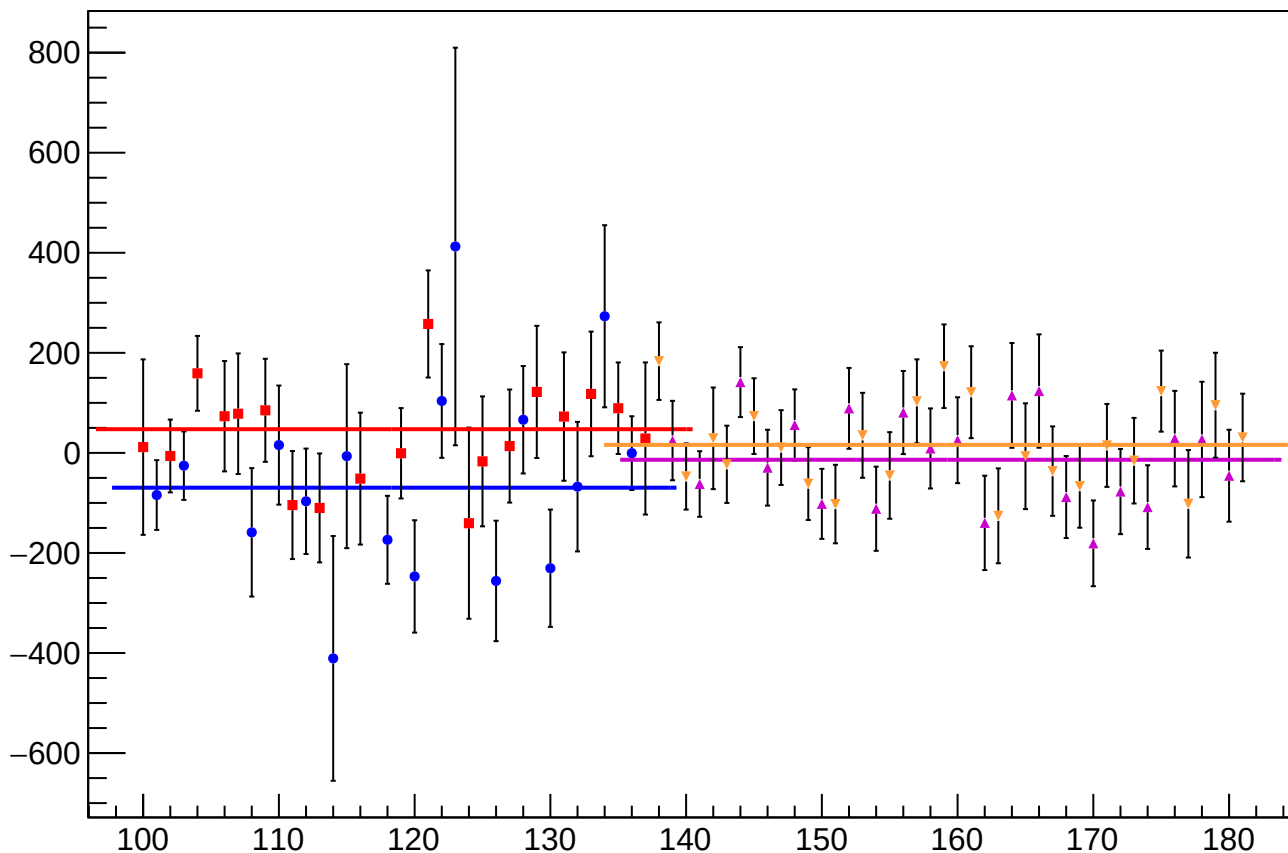
Left In: 1247.281+/-0.223 χ^2/NDF : 1072198.0/20

+ sign 1110.163+/-0.164 χ^2/NDF : 2206127.7/39

All: 1113.995+/-0.117 χ^2/NDF : 4271116.7/79

- sign 1117.991+/-0.168 χ^2/NDF : 2063874.0/39

diff_bpm0r03X_mean vs Slug



Right In: -69.559 ± 25.981 χ^2/NDF : 21.6/16

Left Out: 16.010 ± 17.531 χ^2/NDF : 23.6/22

Right Out: 47.342 ± 25.054 χ^2/NDF : 14.0/18

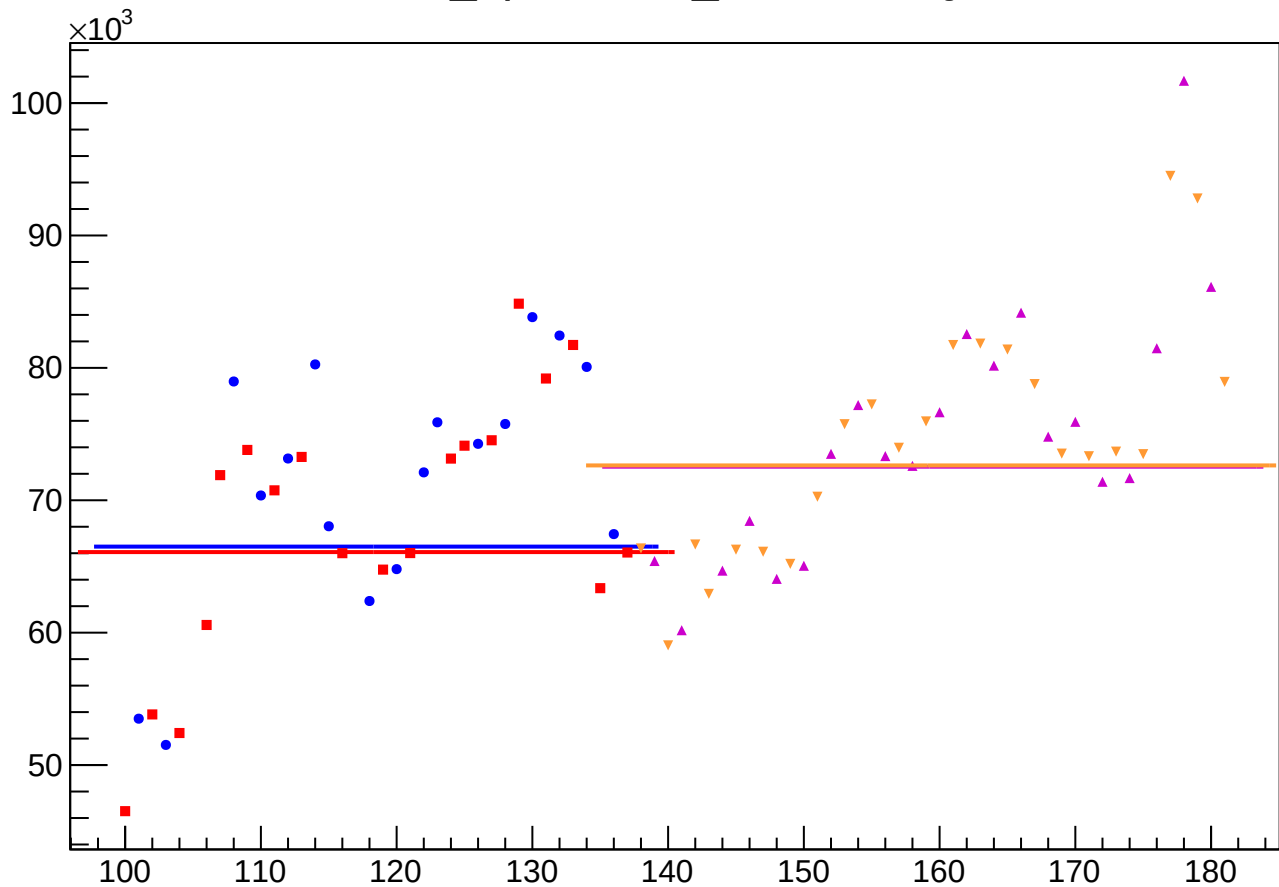
Left In: -13.700 ± 18.096 χ^2/NDF : 24.5/20

+ sign -10.761 ± 14.532 χ^2/NDF : 52.7/39

All: -1.851 ± 10.324 χ^2/NDF : 95.9/79

- sign 7.228 ± 14.670 χ^2/NDF : 42.5/39

diff_bpm0r03X_rms vs Slug



Right In: 66500.038 $\pm$ 18.371 χ^2 /NDF: 320048.0/16

Left Out: 72632.320 $\pm$ 12.396 χ^2 /NDF: 429613.8/22

Right Out: 66086.098 $\pm$ 17.716 χ^2 /NDF: 298277.2/18

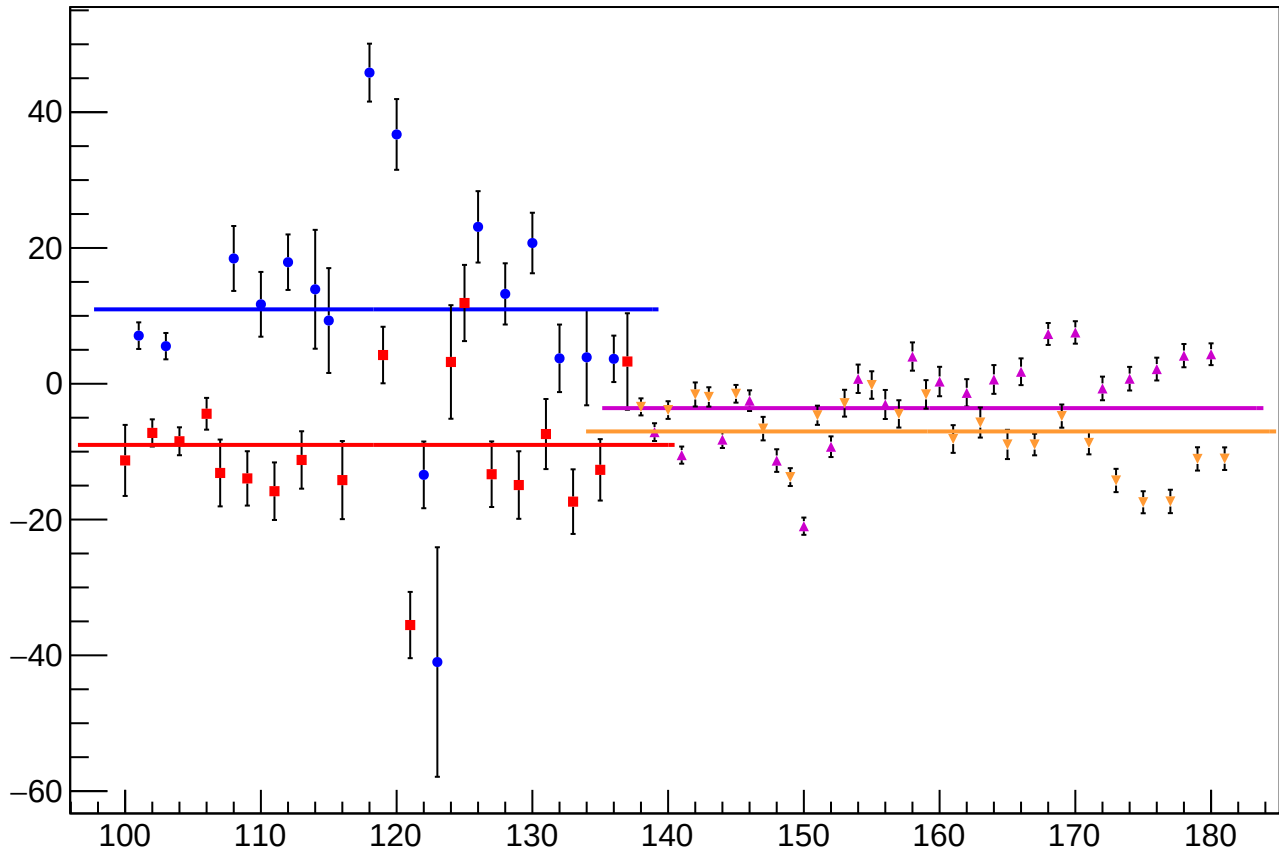
Left In: 72536.423 $\pm$ 12.796 χ^2 /NDF: 429150.0/20

+ sign 70713.806 $\pm$ 10.276 χ^2 /NDF: 826224.0/39

All: 70521.232 $\pm$ 7.300 χ^2 /NDF: 1641478.9/7

- sign 70324.991 $\pm$ 10.373 χ^2 /NDF: 814545.8/39

diff_bpm0r03Y_mean vs Slug



Right In: 10.959 ± 0.944 χ^2/NDF : 160.6/16

Left Out: -7.022 ± 0.343 χ^2/NDF : 219.6/22

Right Out: -9.006 ± 0.867 χ^2/NDF : 75.5/18

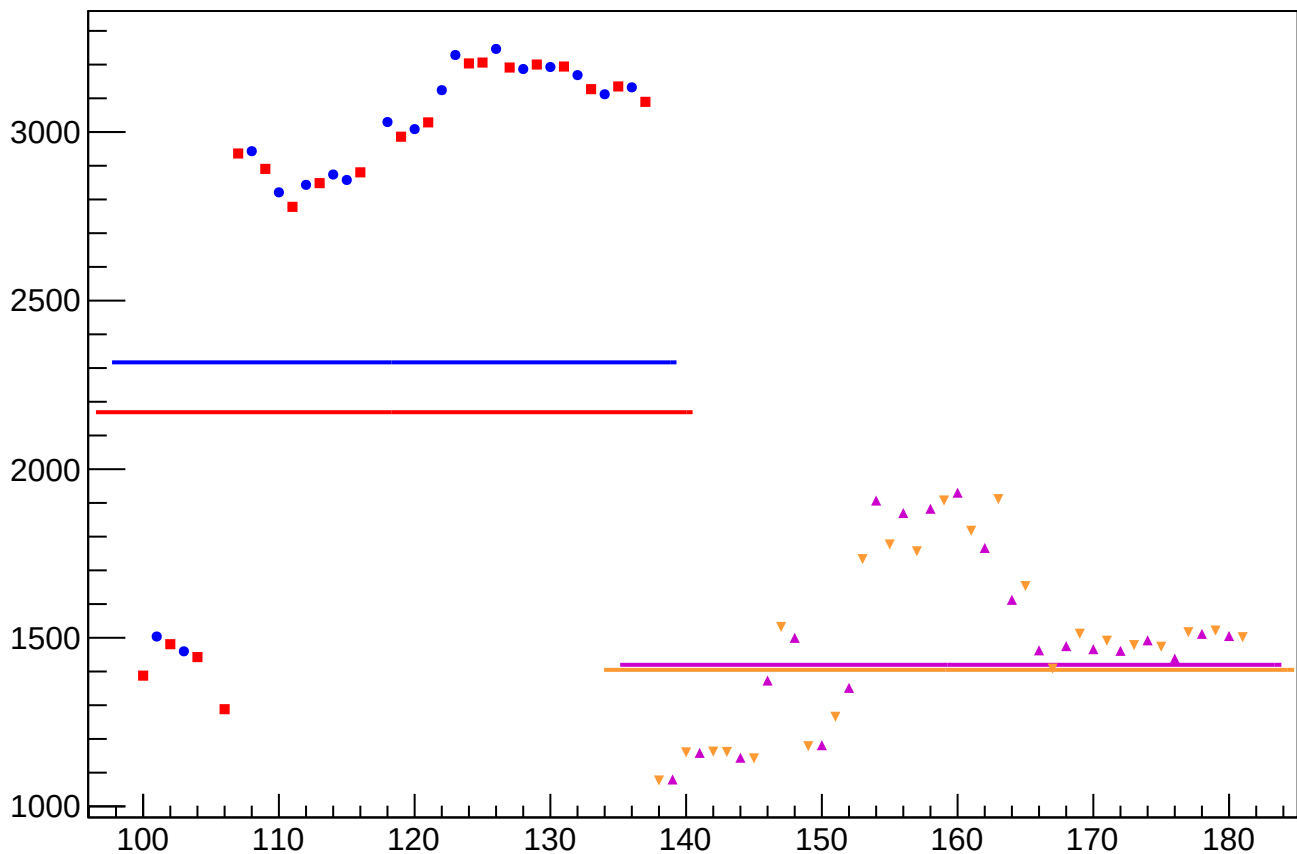
Left In: -3.589 ± 0.358 χ^2/NDF : 465.0/20

+ sign -4.929 ± 0.322 χ^2/NDF : 700.7/39

All: -4.660 ± 0.231 χ^2/NDF : 1275.9/79

- sign -4.376 ± 0.331 χ^2/NDF : 573.8/39

diff_bpm0r03Y_rms vs Slug



Right In: 2316.901 $\pm$ 0.668 χ^2 /NDF: 1405097.4/16

Left Out: 1404.906 $\pm$ 0.242 χ^2 /NDF: 1029727.8/22

Right Out: 2169.038 $\pm$ 0.613 χ^2 /NDF: 1749119.2/18

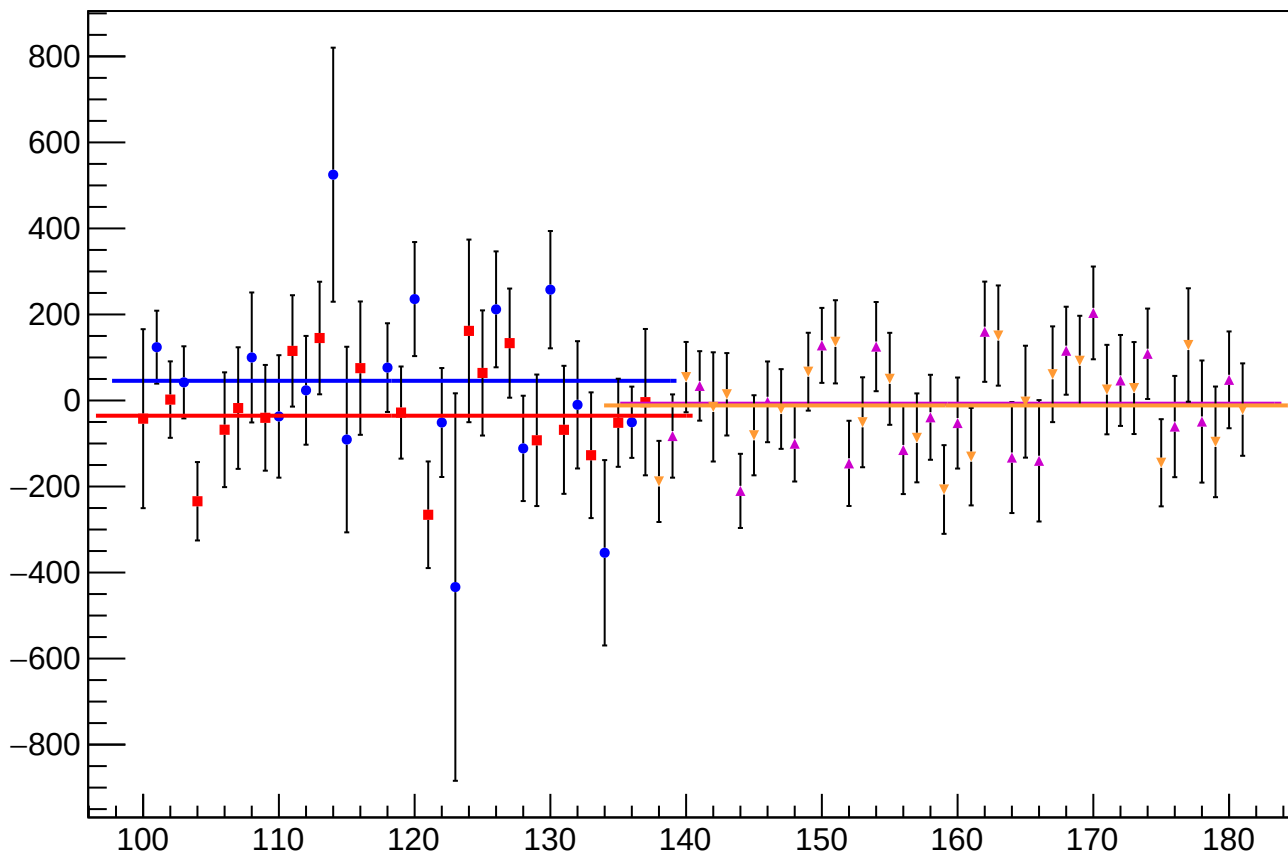
Left In: 1419.890 $\pm$ 0.253 χ^2 /NDF: 904883.4/20

+ sign 1511.036 $\pm$ 0.228 χ^2 /NDF: 4083584.1/39

All: 1519.669 $\pm$ 0.163 χ^2 /NDF: 8016427.5/79

- sign 1528.762 $\pm$ 0.234 χ^2 /NDF: 3929893.3/39

diff_bpm0r05X_mean vs Slug



Right In: 45.747 ± 30.474 χ^2/NDF : 18.8/16

Left Out: -11.484 ± 21.694 χ^2/NDF : 20.5/22

Right Out: -35.391 ± 29.480 χ^2/NDF : 16.0/18

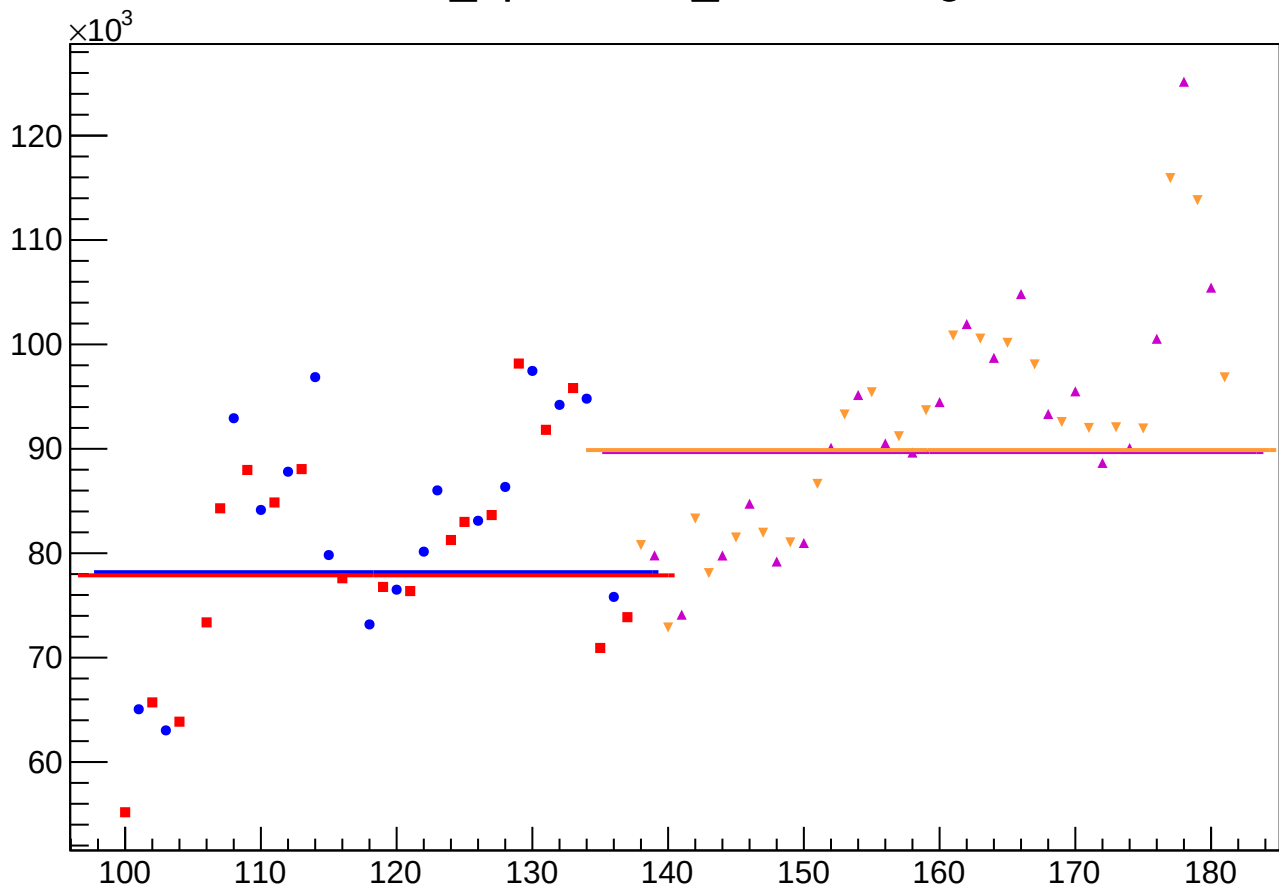
Left In: -7.467 ± 22.378 χ^2/NDF : 26.1/20

+ sign 7.765 ± 17.673 χ^2/NDF : 41.6/39

All: -4.847 ± 12.550 χ^2/NDF : 85.3/79

- sign -17.675 ± 17.824 χ^2/NDF : 42.7/39

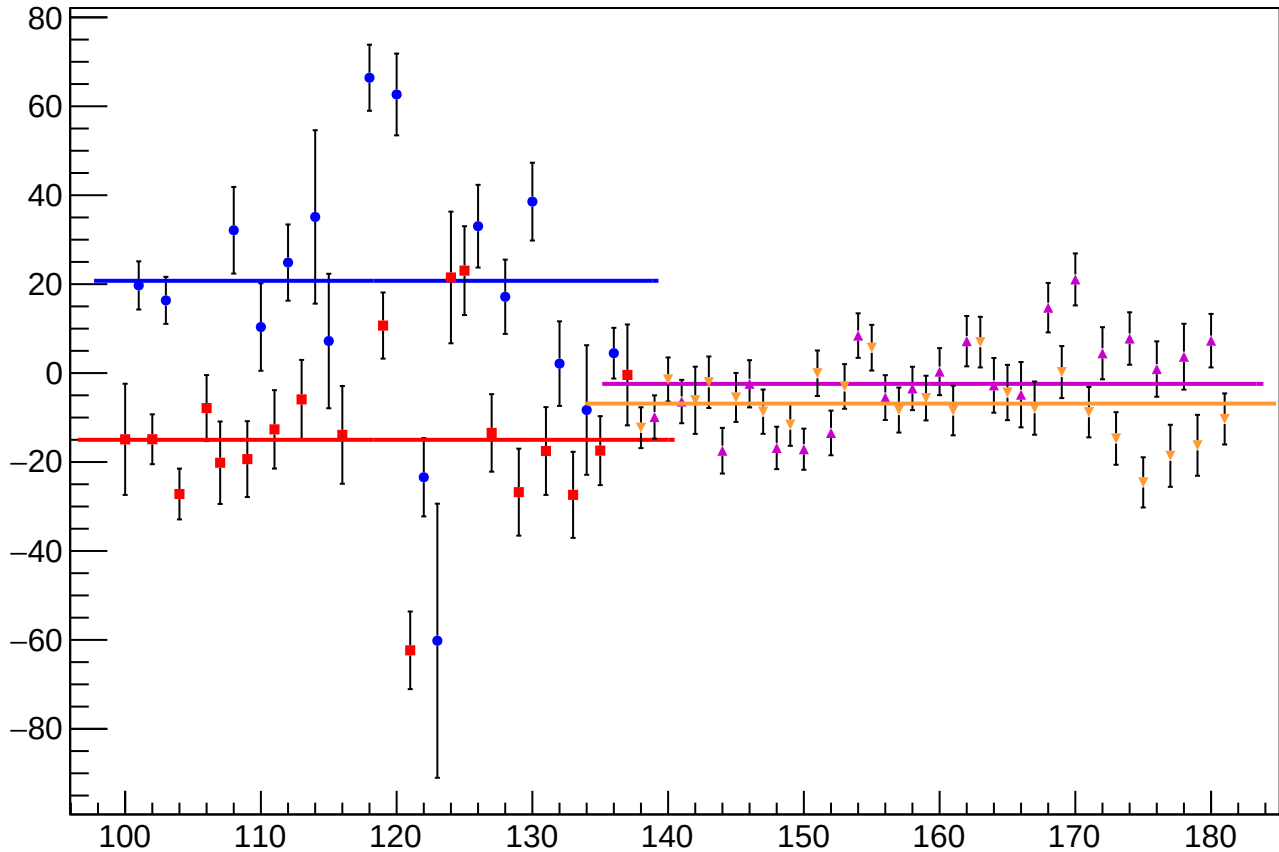
diff_bpm0r05X_rms vs Slug



Right In: 78183.588 $\pm$ 21.548 χ^2 /NDF: 250278.3/16
 Left Out: 89878.810 $\pm$ 15.340 χ^2 /NDF: 421744.3/22
 Right Out: 77880.644 $\pm$ 20.846 χ^2 /NDF: 247268.7/18
 Left In: 89688.608 $\pm$ 15.824 χ^2 /NDF: 430034.9/20

+ sign 85945.267 $\pm$ 12.497 χ^2 /NDF: 867523.7/39
 All: 85661.065 $\pm$ 8.874 χ^2 /NDF: 1749435.3/7
 - sign 85371.971 $\pm$ 12.604 χ^2 /NDF: 880868.3/39

diff_bpm0r05Y_mean vs Slug



Right In: 20.754 $\pm$ 2.039 χ^2 /NDF: 117.4/16

Left Out: -6.858 $\pm$ 1.150 χ^2 /NDF: 37.4/22

Right Out: -15.004 $\pm$ 1.958 χ^2 /NDF: 74.0/18

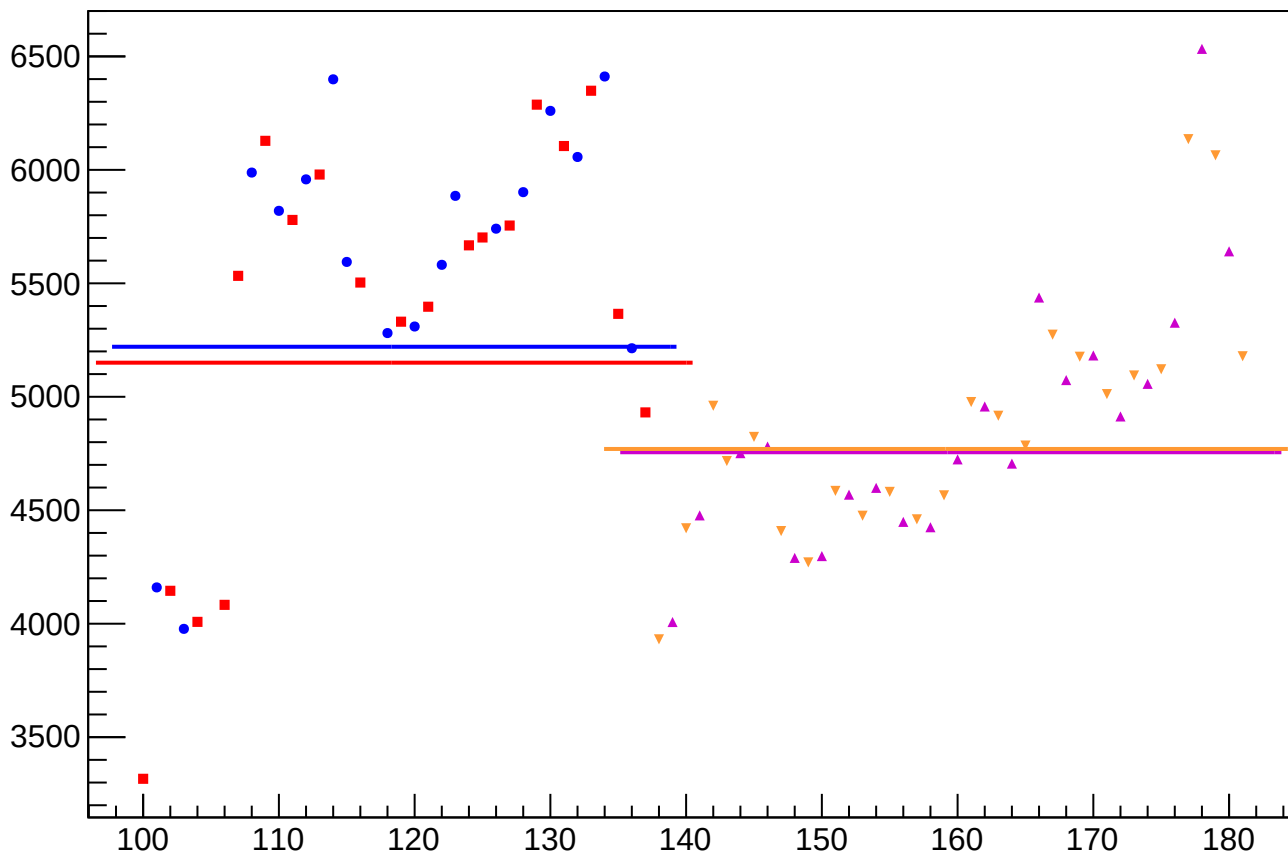
Left In: -2.421 $\pm$ 1.185 χ^2 /NDF: 77.6/20

+ sign -0.195 $\pm$ 1.001 χ^2 /NDF: 293.9/39

All: -2.961 $\pm$ 0.712 χ^2 /NDF: 491.2/79

- sign -5.795 $\pm$ 1.014 χ^2 /NDF: 181.9/39

diff_bpm0r05Y_rms vs Slug



Right In: 5220.495+/-1.441 χ^2 /NDF: 311533.7/16

Left Out: 4770.066+/-0.813 χ^2 /NDF:337240.5/22

Right Out: 5150.309+/-1.384 χ^2 /NDF: 387575.3/18

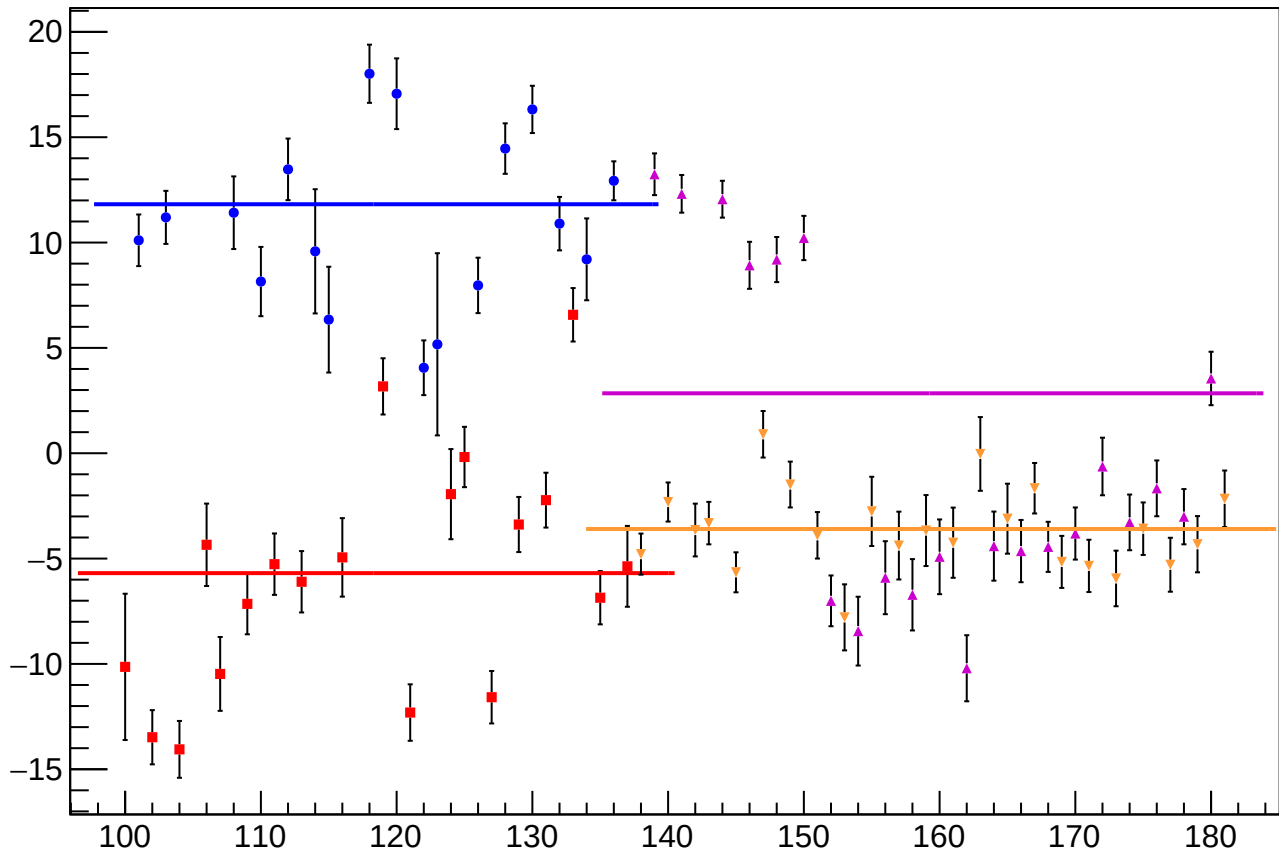
Left In: 4755.612+/-0.838 χ^2 /NDF:332799.1/20

+ sign 4878.769+/-0.708 χ^2 /NDF: 722851.7/39

All: 4870.213+/-0.504 χ^2 /NDF: 1503027.9/79

- sign 4861.447+/-0.717 χ^2 /NDF: 779880.6/39

diff_bpm2i01X_mean vs Slug



Right In: 11.819 ± 0.345 $\chi^2/\text{NDF}: 115.1/16$

Left Out: -3.596 ± 0.259 $\chi^2/\text{NDF}: 53.2/22$

Right Out: -5.691 ± 0.339 $\chi^2/\text{NDF}: 299.2/18$

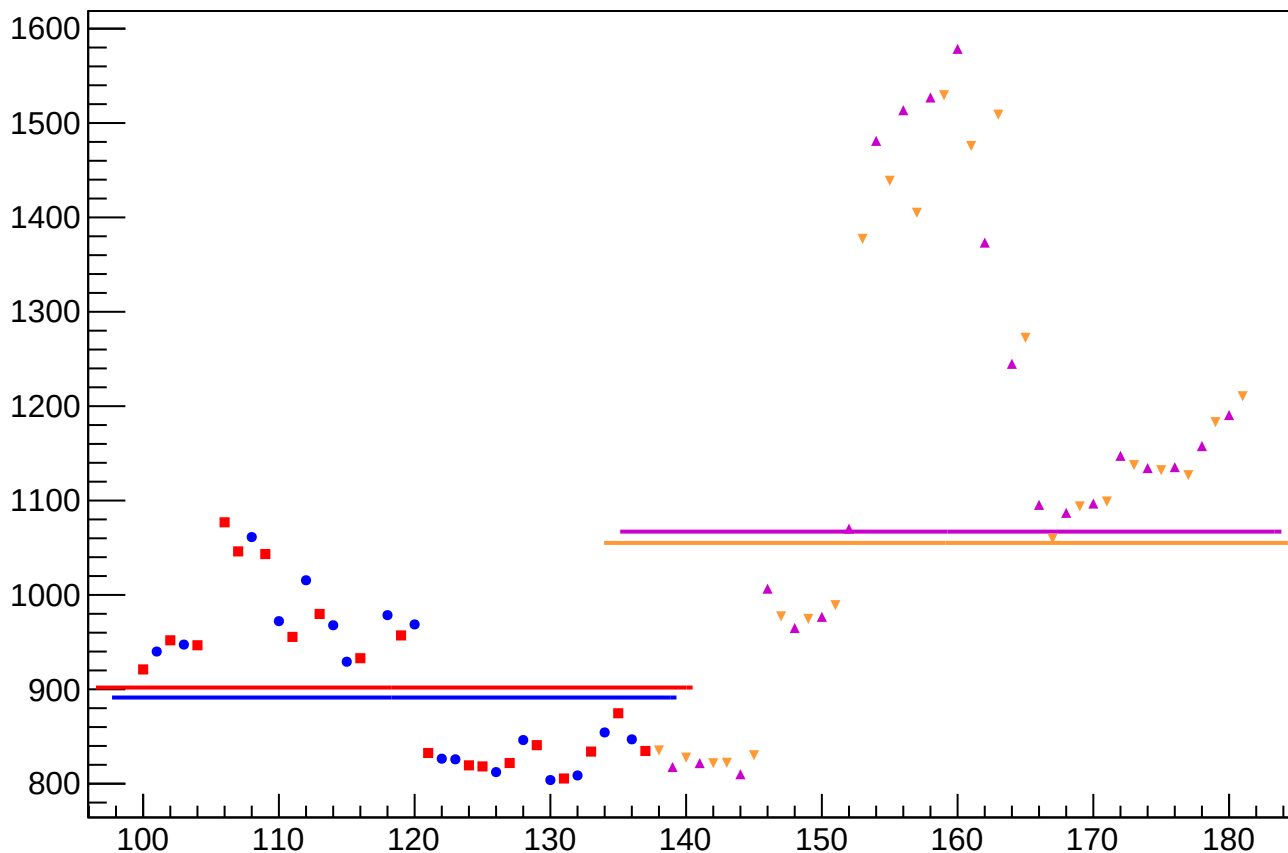
Left In: 2.845 ± 0.270 $\chi^2/\text{NDF}: 879.4/20$

+ sign 1.948 ± 0.207 $\chi^2/\text{NDF}: 1445.5/39$

All: 0.764 ± 0.148 $\chi^2/\text{NDF}: 3078.3/79$

- sign -0.469 ± 0.211 $\chi^2/\text{NDF}: 1566.1/39$

diff_bpm2i01X_rms vs Slug



Right In: 891.299 ± 0.244 $\chi^2/\text{NDF}: 101327.8/16$

Left Out: 1055.103 ± 0.183 $\chi^2/\text{NDF}: 1353045.5/22$

Right Out: 901.879 ± 0.240 $\chi^2/\text{NDF}: 114242.3/18$

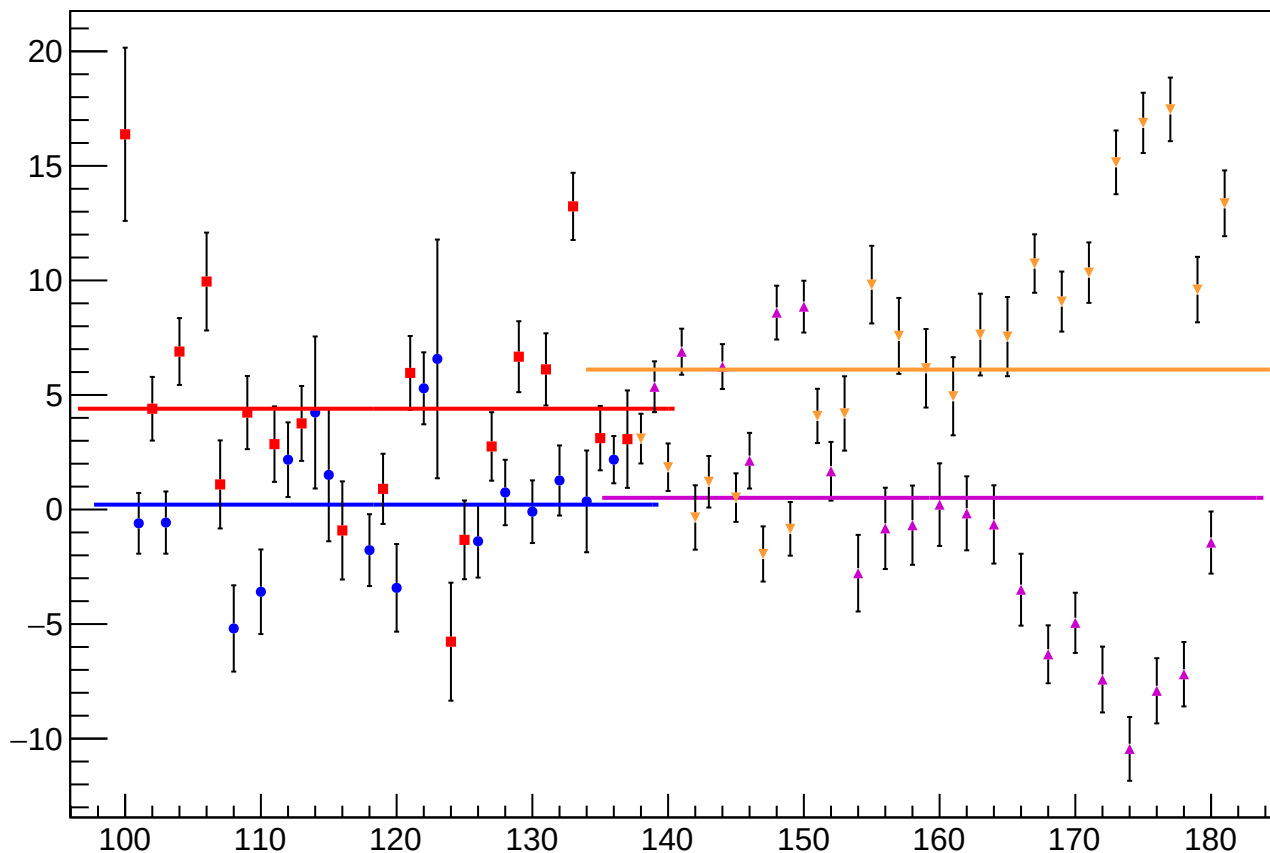
Left In: 1067.082 ± 0.191 $\chi^2/\text{NDF}: 1212621.5/20$

+ sign 996.195 ± 0.146 $\chi^2/\text{NDF}: 1742824.3/39$

All: 999.502 ± 0.105 $\chi^2/\text{NDF}: 3361086.3/79$

- sign 1002.949 ± 0.149 $\chi^2/\text{NDF}: 1617219.3/39$

diff_bpm2i01Y_mean vs Slug



Right In: 0.213 ± 0.396 $\chi^2/\text{NDF}: 38.8/16$

Left Out: 6.108 ± 0.279 $\chi^2/\text{NDF}: 420.7/22$

Right Out: 4.400 ± 0.387 $\chi^2/\text{NDF}: 104.8/18$

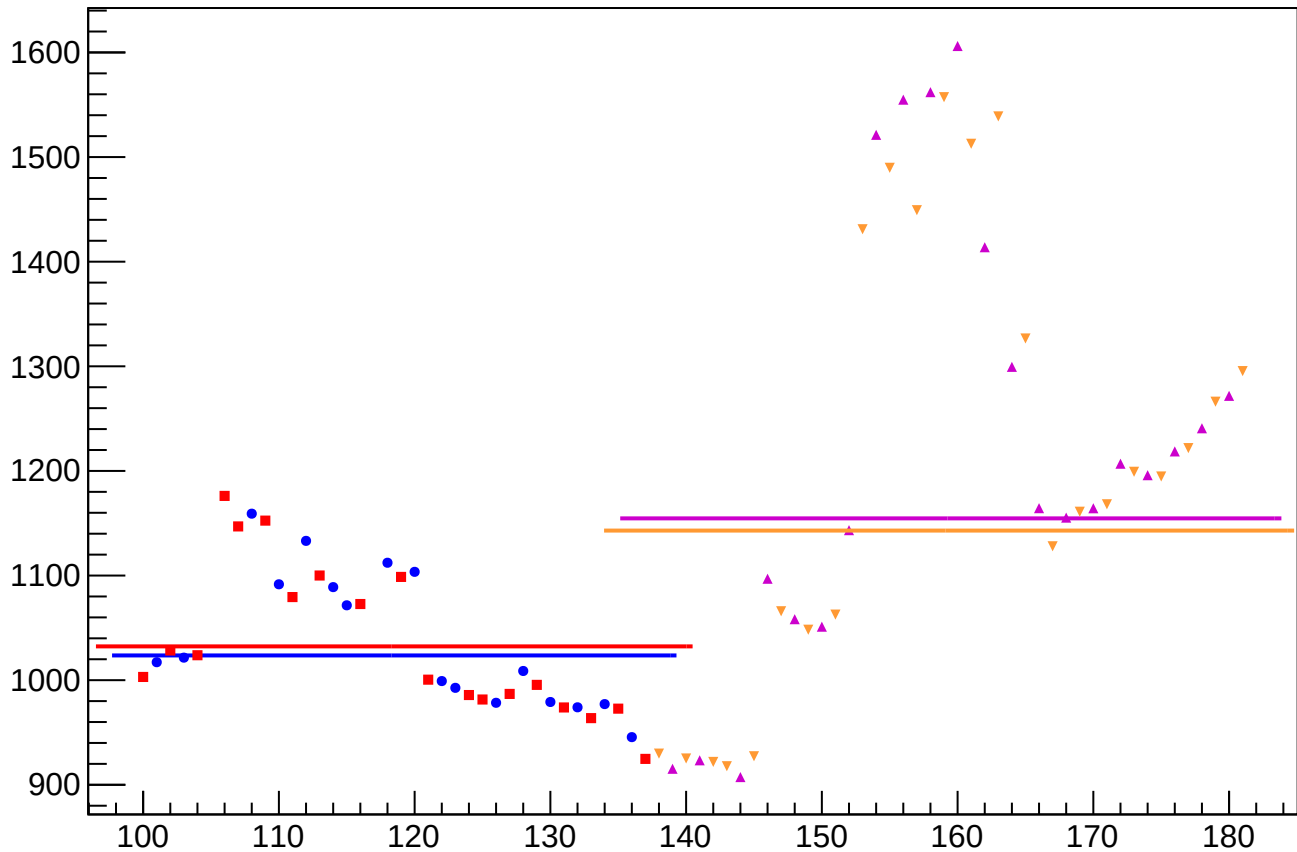
Left In: 0.510 ± 0.291 $\chi^2/\text{NDF}: 416.1/20$

+ sign 4.155 ± 0.228 $\chi^2/\text{NDF}: 607.9/39$

All: 3.056 ± 0.163 $\chi^2/\text{NDF}: 1240.8/79$

- sign 1.911 ± 0.232 $\chi^2/\text{NDF}: 585.4/39$

diff_bpm2i01Y_rms vs Slug



Right In: 1023.643 $\pm$ 0.280 χ^2 /NDF: 52282.5/16

Left Out: 1142.993 $\pm$ 0.197 χ^2 /NDF: 1007190.0/22

Right Out: 1032.299 $\pm$ 0.274 χ^2 /NDF: 59262.4/18

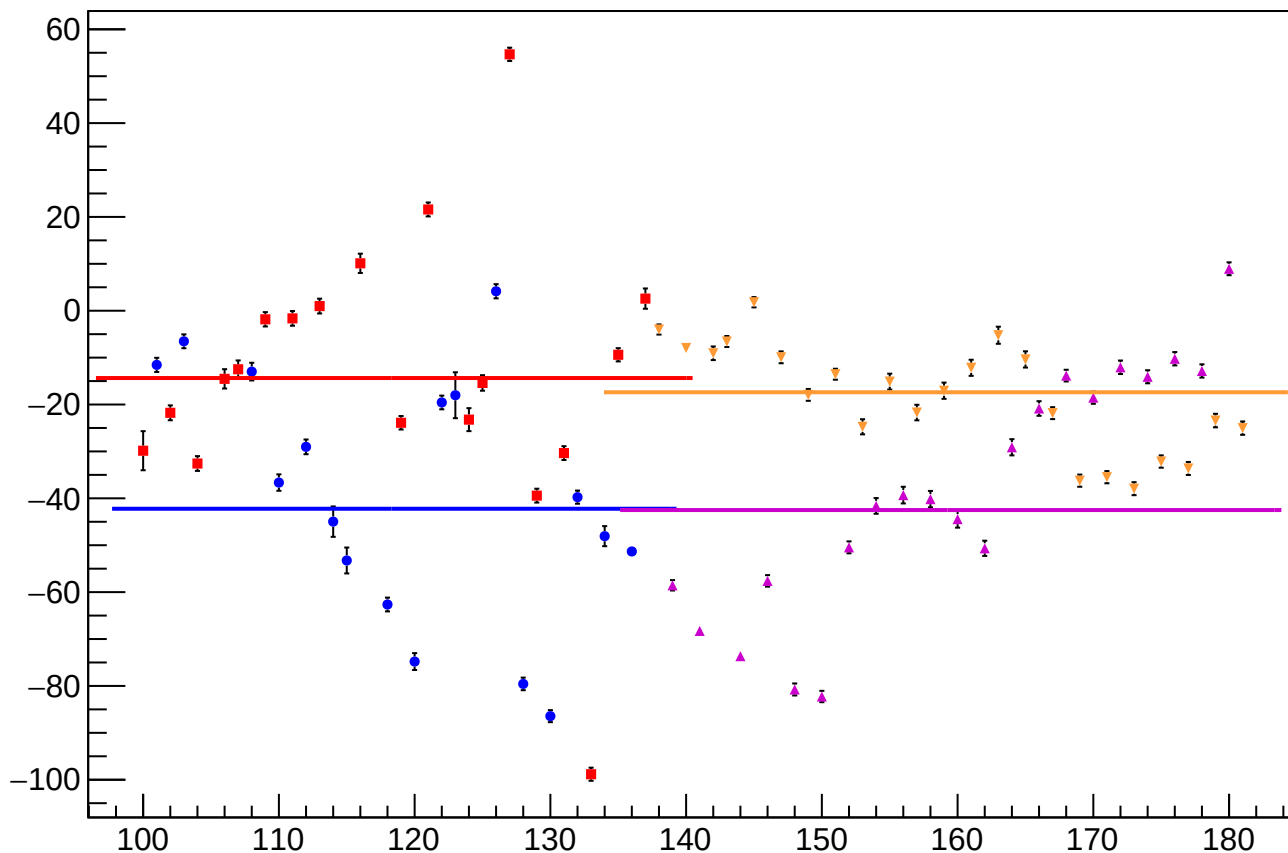
Left In: 1154.651 $\pm$ 0.206 χ^2 /NDF: 892653.5/20

+ sign 1103.438 $\pm$ 0.161 χ^2 /NDF: 1181133.5/39

All: 1106.943 $\pm$ 0.115 χ^2 /NDF: 2261658.2/79

- sign 1110.595 $\pm$ 0.164 χ^2 /NDF: 1079557.7/39

diff_bpm2i02X_mean vs Slug



Right In: -42.222 ± 0.388 χ^2/NDF : 5097.2/16

Left Out: -17.385 ± 0.282 χ^2/NDF : 1744.3/22

Right Out: -14.353 ± 0.379 χ^2/NDF : 7667.7/18

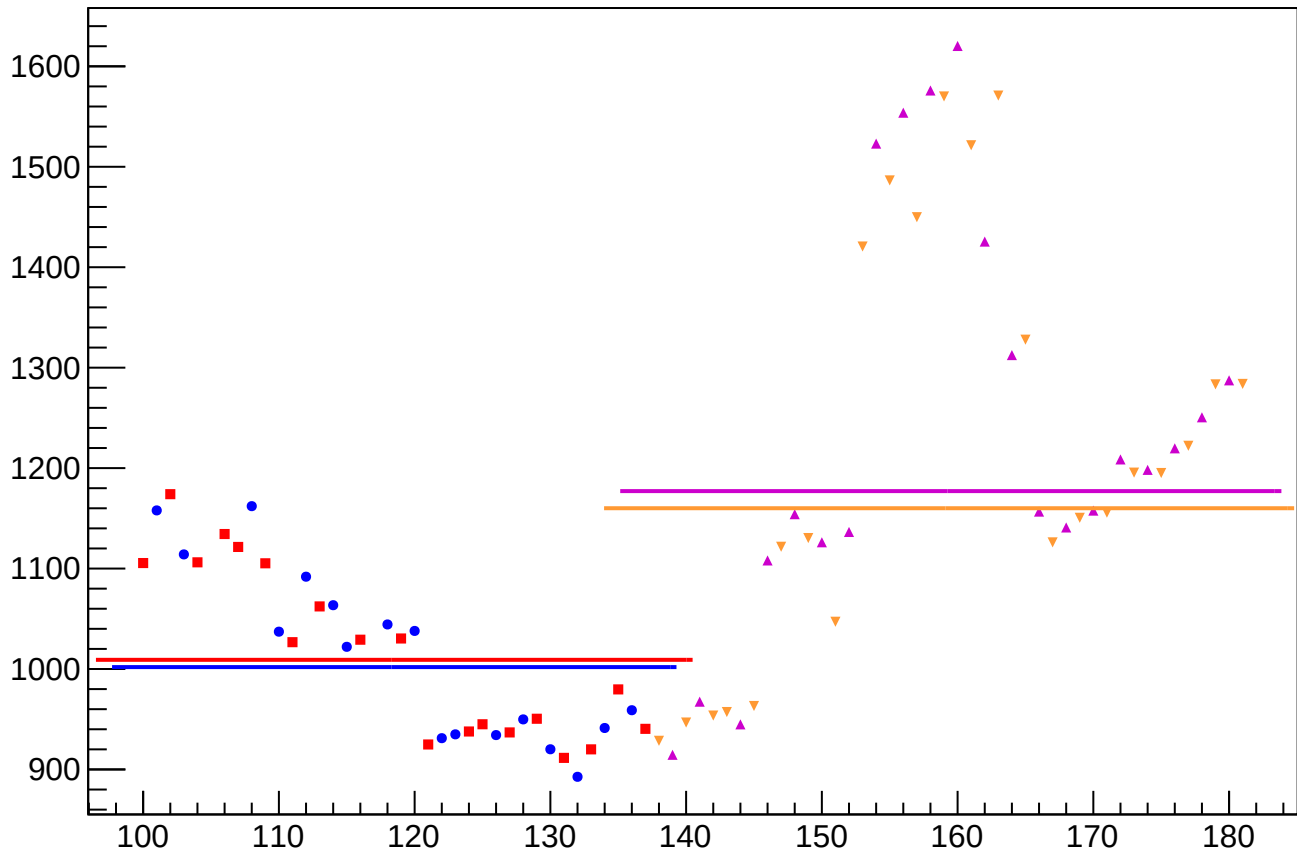
Left In: -42.499 ± 0.296 χ^2/NDF : 8272.3/20

+ sign -25.988 ± 0.228 χ^2/NDF : 9521.4/39

All: -28.855 ± 0.163 χ^2/NDF : 29208.5/79

- sign -31.848 ± 0.233 χ^2/NDF : 19364.7/39

diff_bpm2i02X_rms vs Slug



Right In: 1001.897 $\pm$ 0.274 χ^2 /NDF: 95203.3/16

Left Out: 1160.057 $\pm$ 0.200 χ^2 /NDF: 905322.6/22

Right Out: 1009.139 $\pm$ 0.268 χ^2 /NDF: 95040.9/18

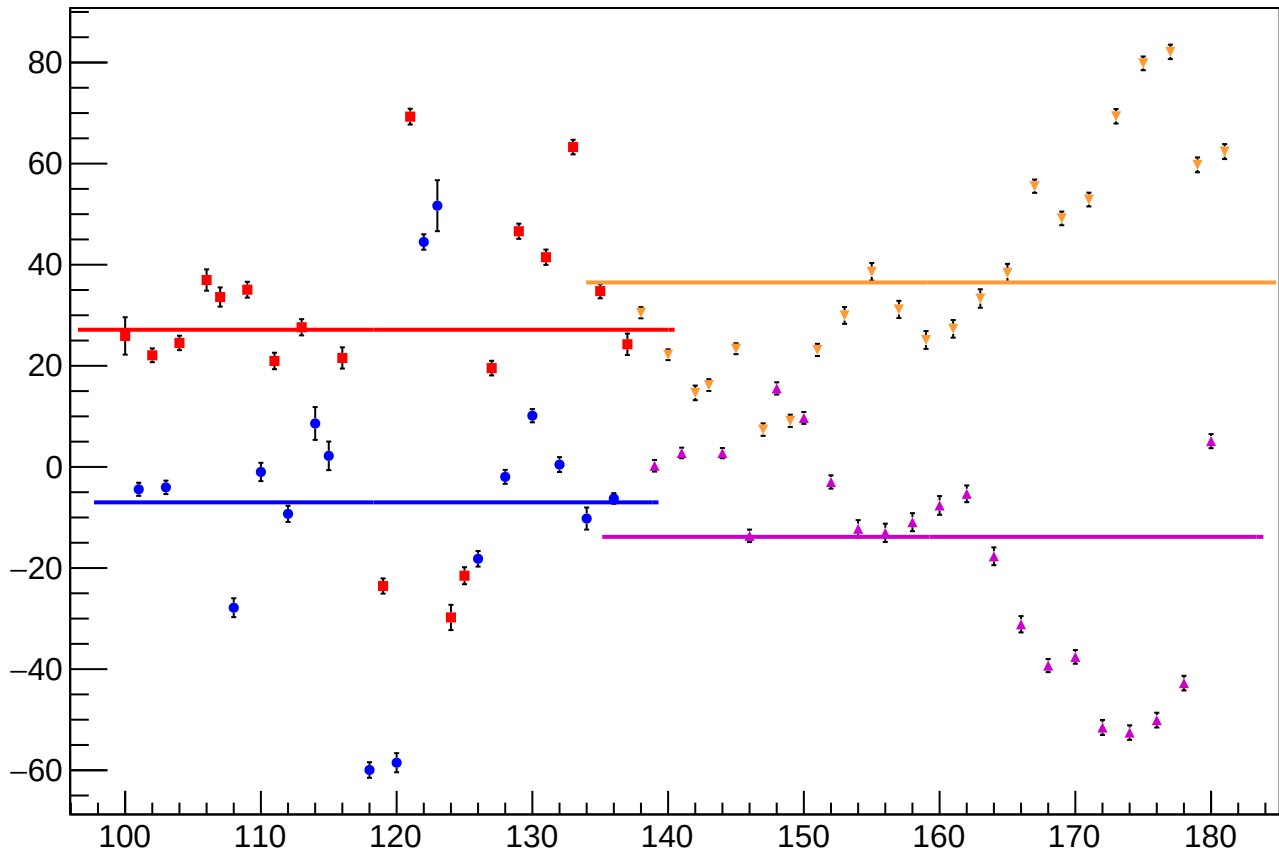
Left In: 1177.109 $\pm$ 0.209 χ^2 /NDF: 788835.9/20

+ sign 1105.273 $\pm$ 0.161 χ^2 /NDF: 1217875.3/39

All: 1109.322 $\pm$ 0.115 χ^2 /NDF: 2346972.0/79

- sign 1113.548 $\pm$ 0.165 χ^2 /NDF: 1127811.1/39

diff_bpm2i02Y_mean vs Slug



Right In: -7.011 ± 0.389 χ^2/NDF : 3634.7/16

Left Out: 36.488 ± 0.287 χ^2/NDF : 5726.9/22

Right Out: 27.137 ± 0.380 χ^2/NDF : 4257.1/18

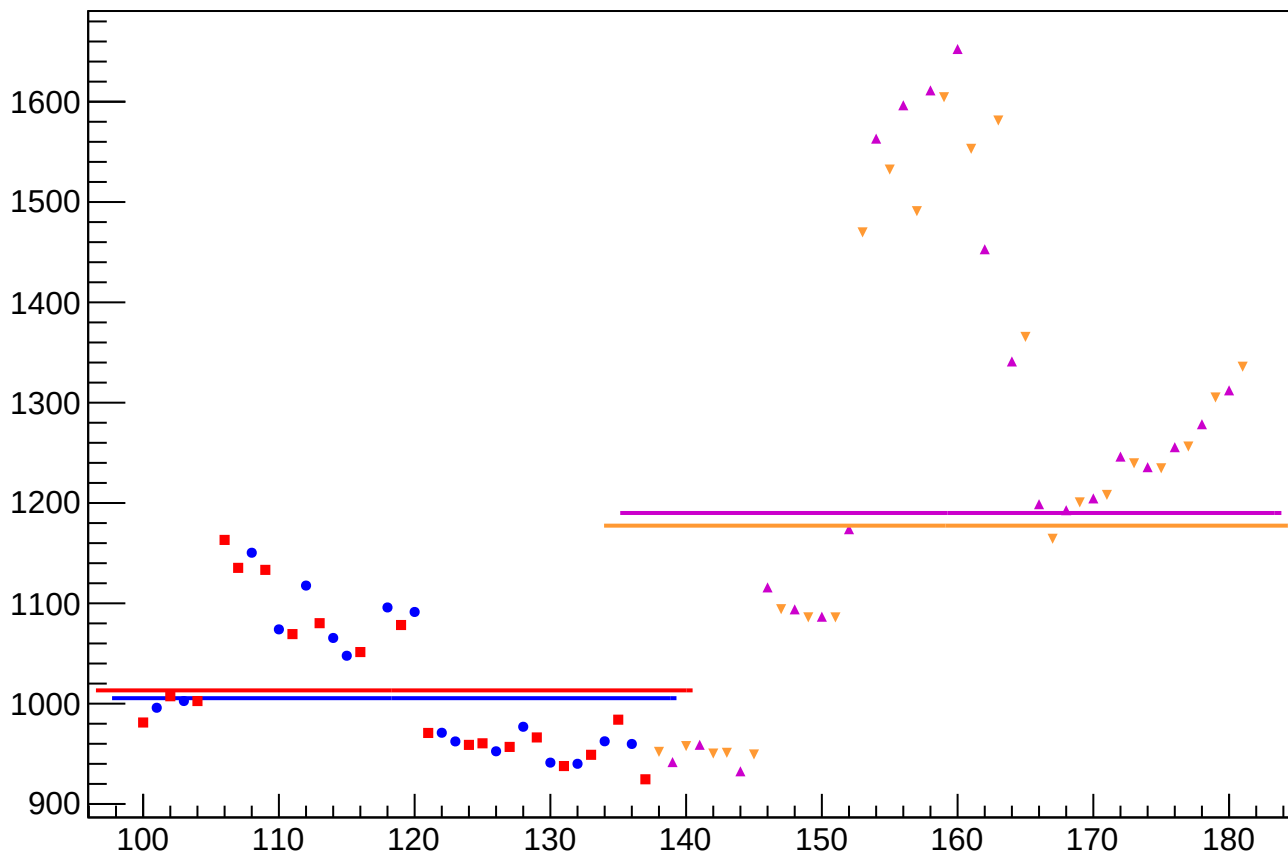
Left In: -13.830 ± 0.299 χ^2/NDF : 5143.6/20

+ sign 21.143 ± 0.231 χ^2/NDF : 17469.1/39

All: 11.680 ± 0.165 χ^2/NDF : 37458.3/79

- sign 1.851 ± 0.235 χ^2/NDF : 16563.7/39

diff_bpm2i02Y_rms vs Slug



Right In: 1005.453 $\pm$ 0.275 χ^2 /NDF: 54493.5/16

Left Out: 1177.429 $\pm$ 0.203 χ^2 /NDF:1005044.5/22

Right Out: 1013.228 $\pm$ 0.269 χ^2 /NDF: 63189.9/18

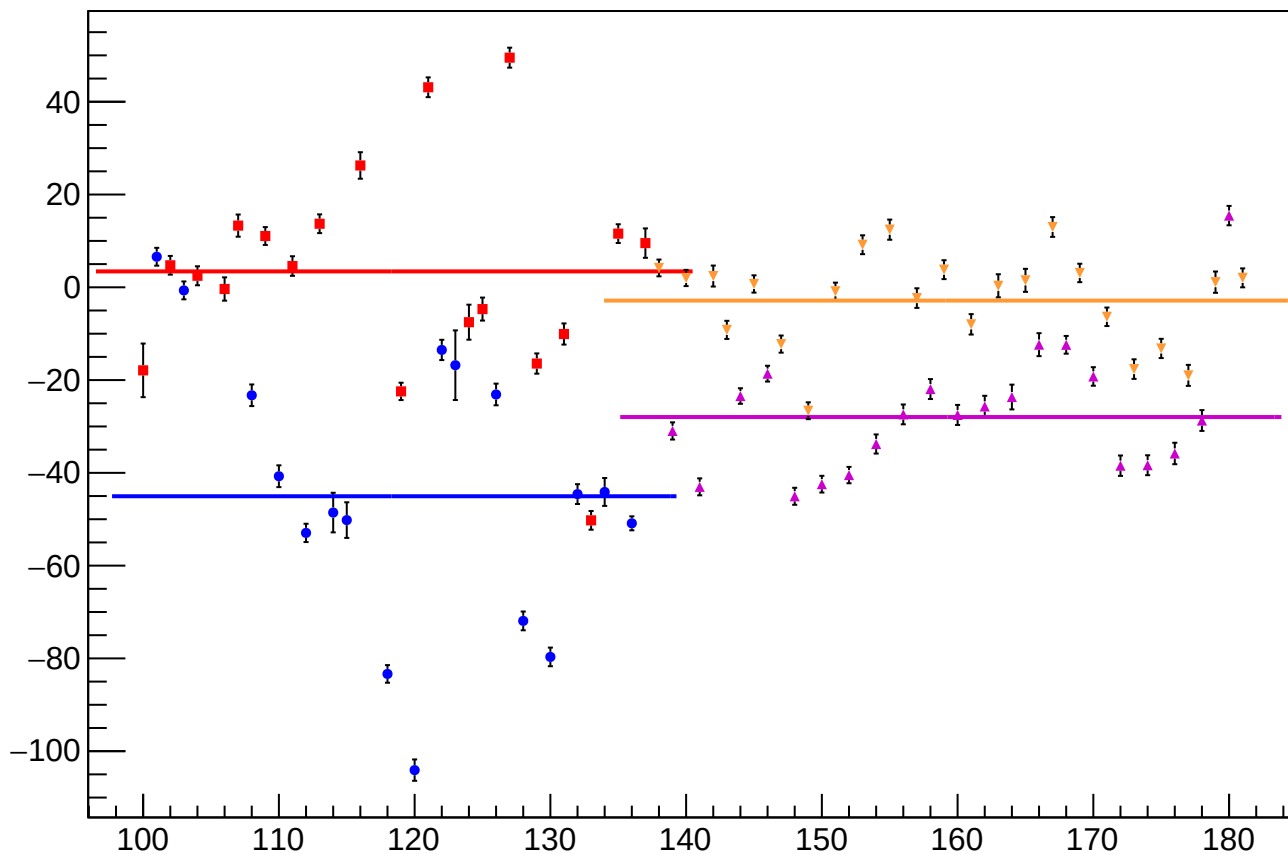
Left In: 1190.053 $\pm$ 0.212 χ^2 /NDF:885941.2/20

+ sign 1116.759 $\pm$ 0.163 χ^2 /NDF: 1312988.6/39

All: 1119.511 $\pm$ 0.117 χ^2 /NDF: 2529601.4/79

- sign 1122.369 $\pm$ 0.166 χ^2 /NDF: 1216033.6/39

diff_bpm0i02X_mean vs Slug



Right In: -45.043 ± 0.541 χ^2/NDF : 3223.5/16

Left Out: -2.860 ± 0.426 χ^2/NDF : 547.0/22

Right Out: 3.429 ± 0.523 χ^2/NDF : 2001.9/18

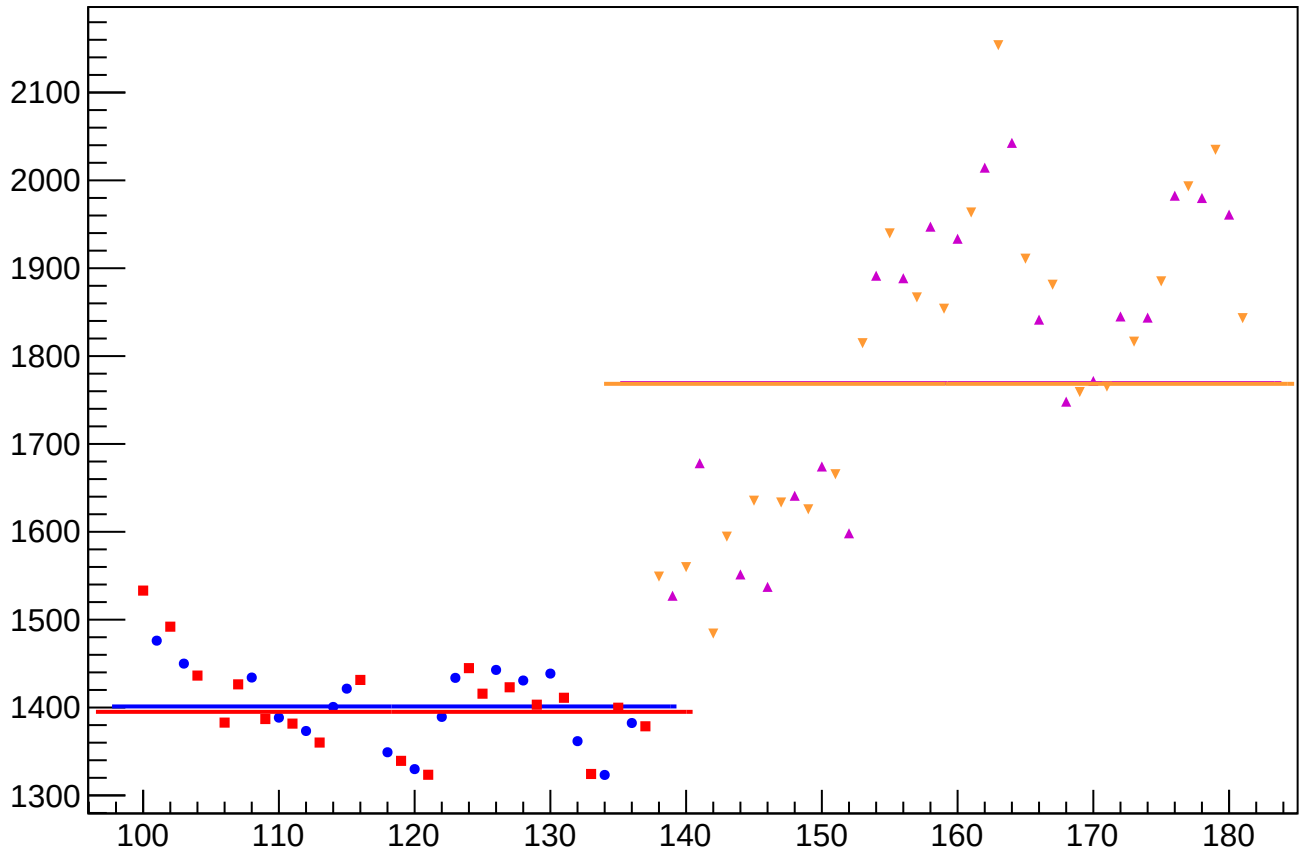
Left In: -27.965 ± 0.440 χ^2/NDF : 943.8/20

+ sign -19.003 ± 0.334 χ^2/NDF : 7528.7/39

All: -16.981 ± 0.237 χ^2/NDF : 12658.0/79

- sign -14.931 ± 0.337 χ^2/NDF : 5055.7/39

diff_bpm0i02X_rms vs Slug



Right In: 1401.235+/-0.382 χ^2/NDF : 12839.4/16

Left Out: 1768.435+/-0.301 χ^2/NDF : 298497.2/22

Right Out: 1395.100+/-0.370 χ^2/NDF : 15523.2/18

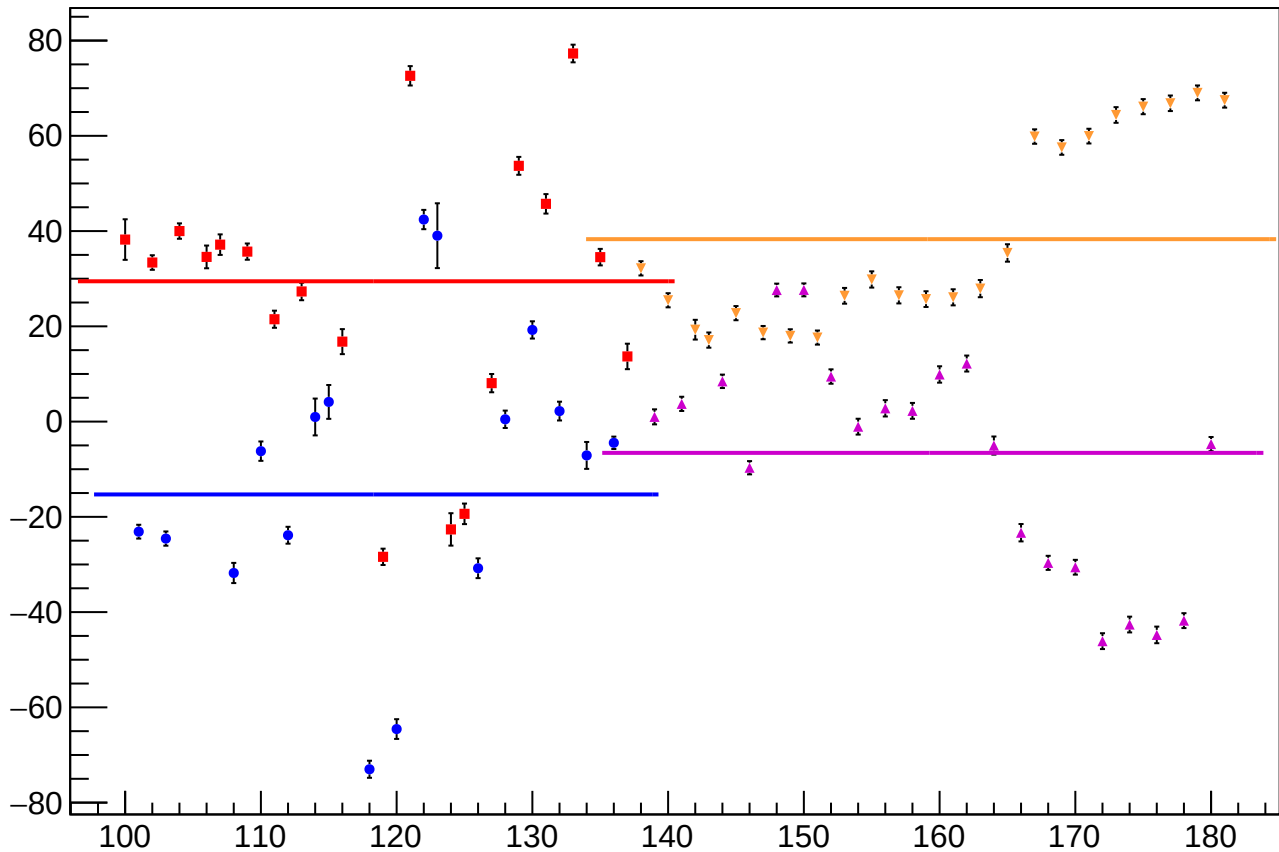
Left In: 1769.290+/-0.311 χ^2/NDF : 284528.3/20

+ sign 1627.908+/-0.236 χ^2/NDF : 880924.3/39

All: 1620.974+/-0.168 χ^2/NDF : 1782212.6/79

- sign 1613.942+/-0.238 χ^2/NDF : 899556.5/39

diff_bpm0i02Y_mean vs Slug



Right In: -15.296 ± 0.473 χ^2/NDF : 3345.6/16

Left Out: 38.303 ± 0.332 χ^2/NDF : 3490.6/22

Right Out: 29.461 ± 0.457 χ^2/NDF : 3528.0/18

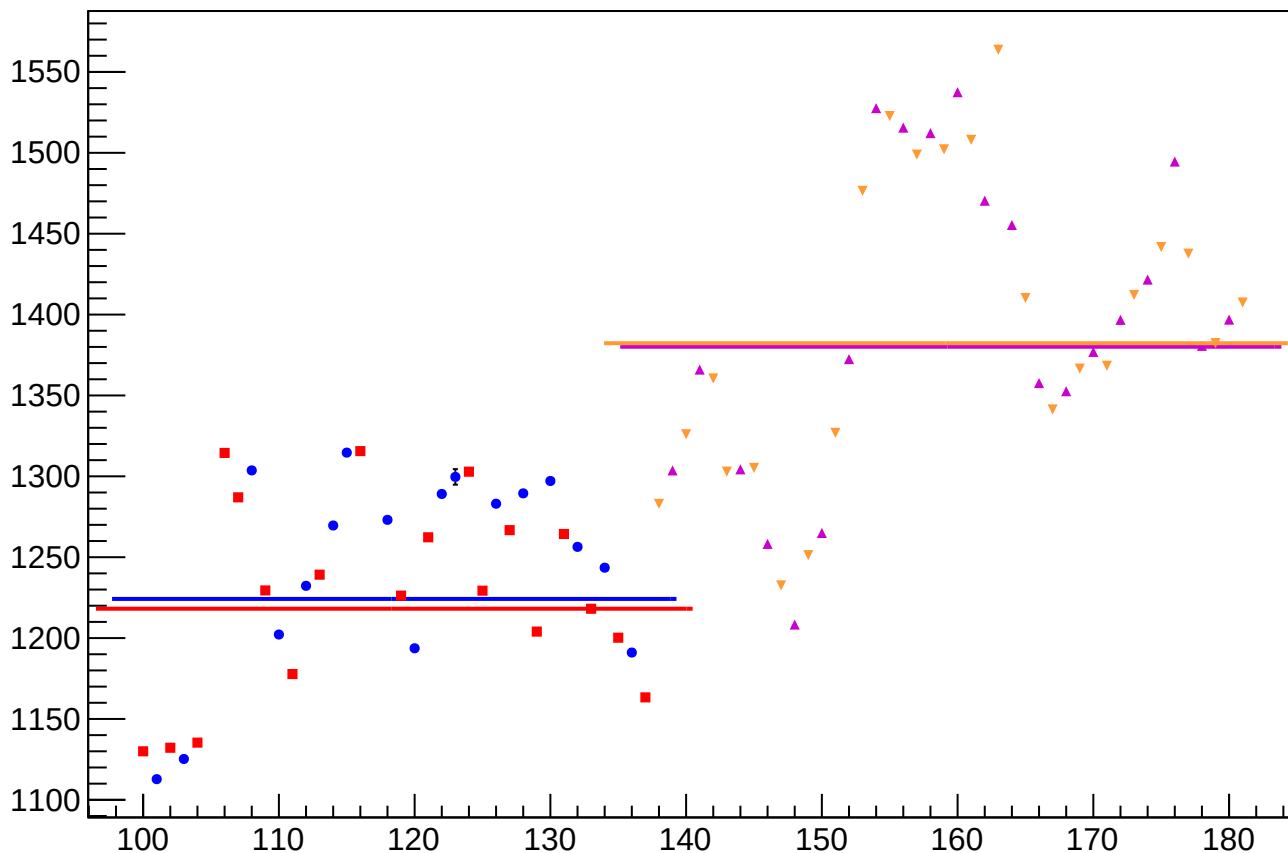
Left In: -6.567 ± 0.343 χ^2/NDF : 4464.7/20

+ sign 20.608 ± 0.272 χ^2/NDF : 15441.4/39

All: 13.566 ± 0.193 χ^2/NDF : 28769.3/79

- sign 6.400 ± 0.274 χ^2/NDF : 11972.7/39

diff_bpm0i02Y_rms vs Slug



Right In: 1224.212 $\pm$ 0.334 χ^2 /NDF: 38774.7/16

Left Out: 1382.286 $\pm$ 0.235 χ^2 /NDF: 145484.1/22

Right Out: 1218.154 $\pm$ 0.323 χ^2 /NDF: 27562.5/18

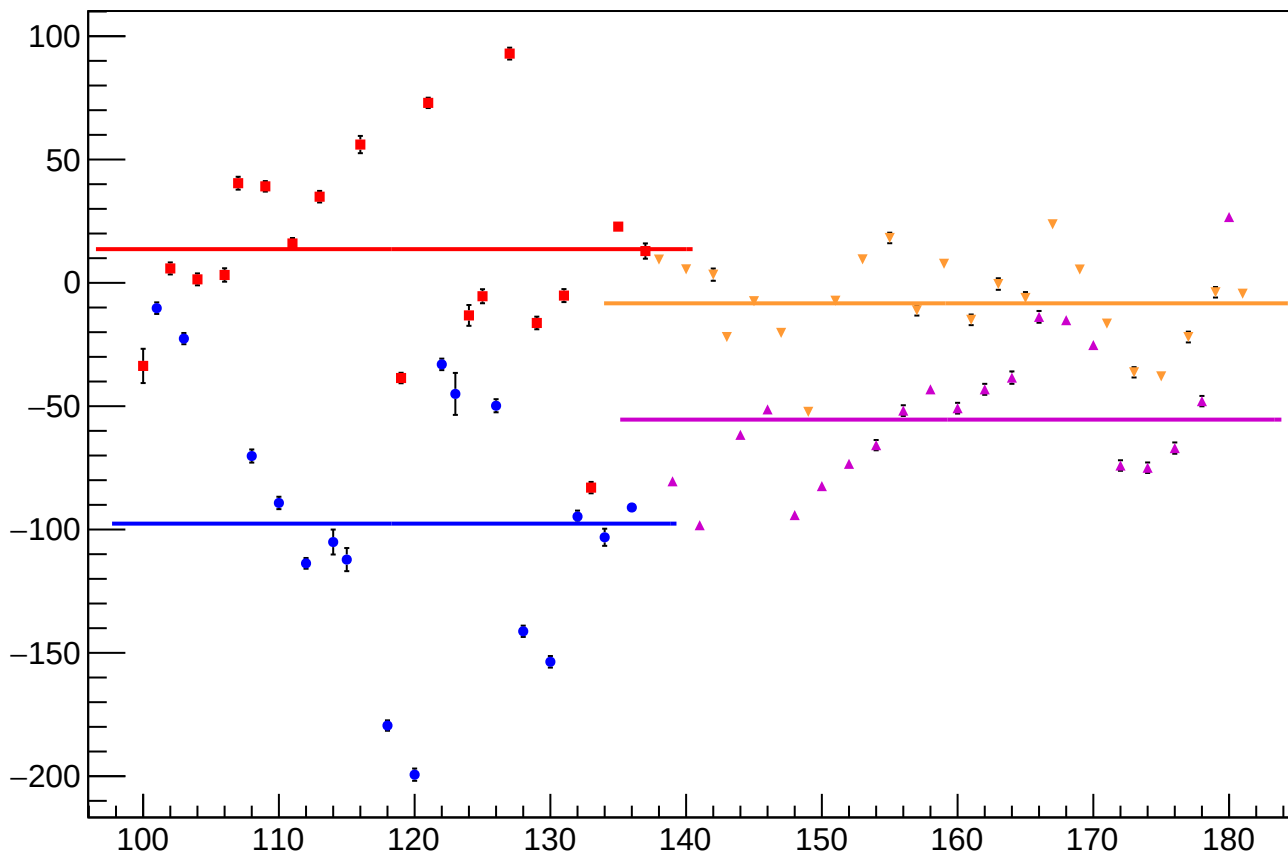
Left In: 1380.114 $\pm$ 0.242 χ^2 /NDF: 150874.8/20

+ sign 1330.100 $\pm$ 0.192 χ^2 /NDF: 333950.1/39

All: 1325.998 $\pm$ 0.136 χ^2 /NDF: 674168.9/79

- sign 1321.825 $\pm$ 0.194 χ^2 /NDF: 339299.5/39

diff_bpm0i02aX_mean vs Slug



Right In: -97.610 ± 0.602 $\chi^2/\text{NDF}: 7919.3/16$

Left Out: -8.298 ± 0.421 $\chi^2/\text{NDF}: 1920.9/22$

Right Out: 13.666 ± 0.580 $\chi^2/\text{NDF}: 5116.2/18$

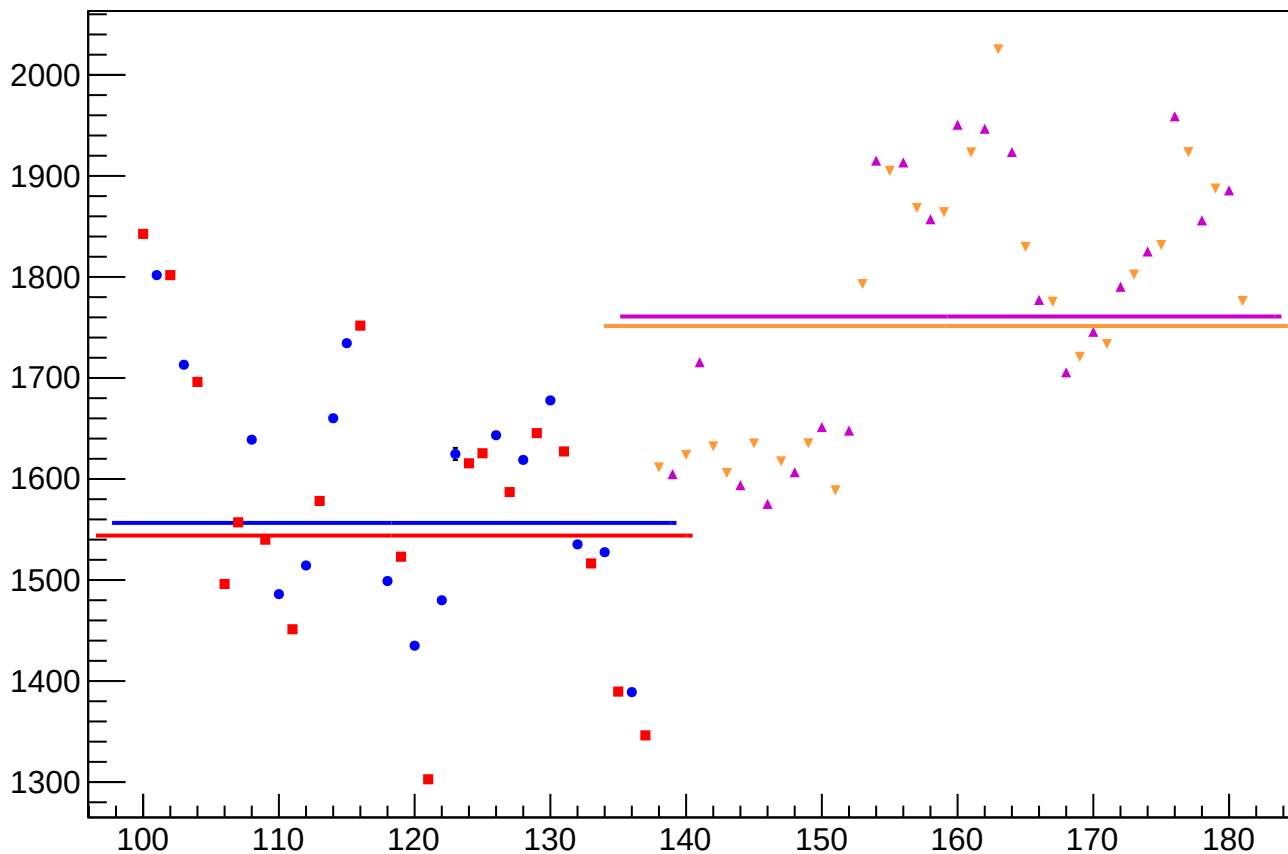
Left In: -55.444 ± 0.437 $\chi^2/\text{NDF}: 4524.7/20$

+ sign -37.603 ± 0.345 $\chi^2/\text{NDF}: 24615.1/39$

All: -34.050 ± 0.245 $\chi^2/\text{NDF}: 43515.4/79$

- sign -30.408 ± 0.349 $\chi^2/\text{NDF}: 18685.5/39$

diff_bpm0i02aX_rms vs Slug



Right In: 1556.539 $\pm$ 0.426 χ^2 /NDF: 81438.3/16

Left Out: 1751.406 $\pm$ 0.298 χ^2 /NDF:171504.6/22

Right Out: 1543.993 $\pm$ 0.410 χ^2 /NDF: 100599.9/18

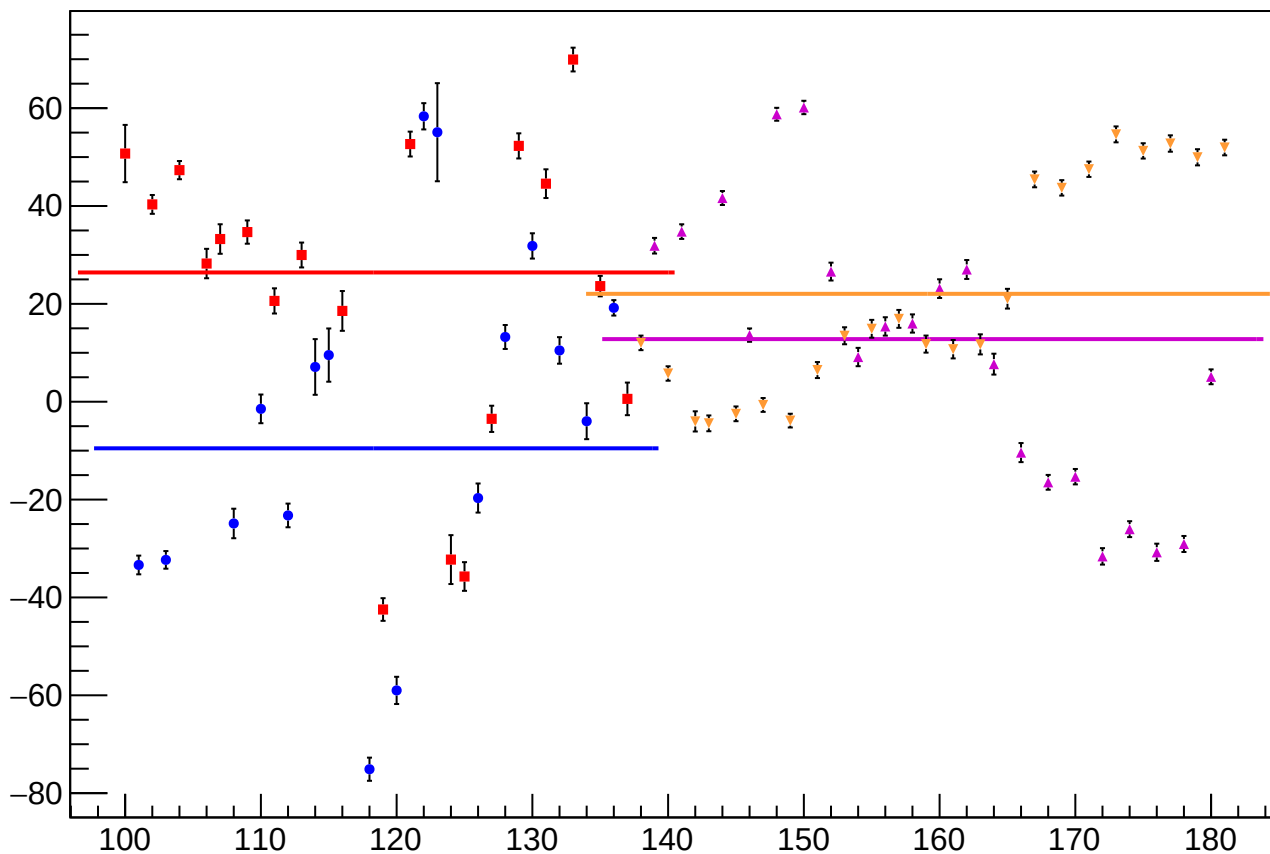
Left In: 1760.851 $\pm$ 0.309 χ^2 /NDF:179418.4/20

+ sign 1687.467 $\pm$ 0.244 χ^2 /NDF: 393616.2/39

All: 1684.911 $\pm$ 0.174 χ^2 /NDF: 851966.9/79

- sign 1682.292 $\pm$ 0.247 χ^2 /NDF: 458128.5/39

diff_bpm0i02aY_mean vs Slug



Right In: -9.523 ± 0.627 χ^2/NDF : 2908.8/16

Left Out: 22.050 ± 0.344 χ^2/NDF : 4075.5/22

Right Out: 26.417 ± 0.604 χ^2/NDF : 2451.3/18

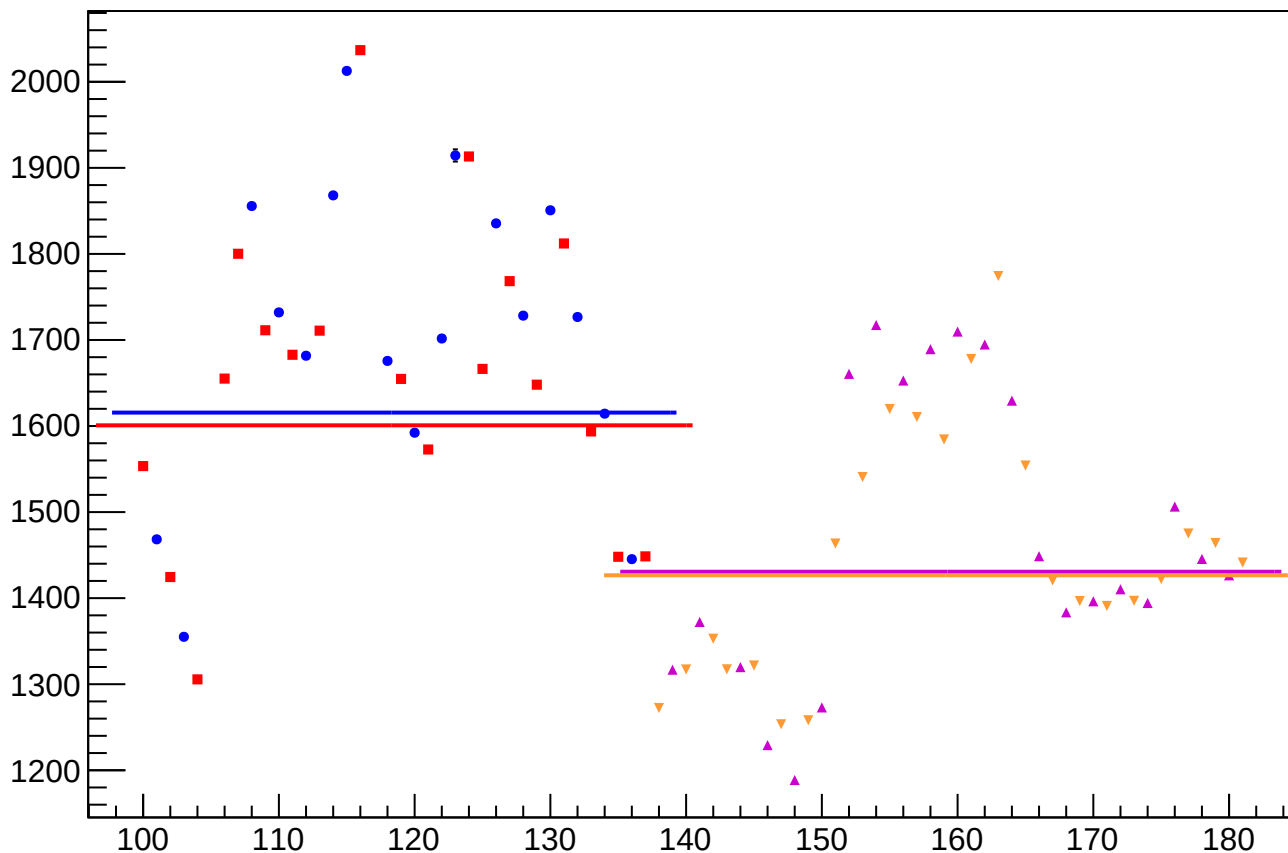
Left In: 12.797 ± 0.357 χ^2/NDF : 6722.8/20

+ sign 14.764 ± 0.301 χ^2/NDF : 8932.6/39

All: 15.529 ± 0.215 χ^2/NDF : 18497.1/79

- sign 16.323 ± 0.307 χ^2/NDF : 9551.4/39

diff_bpm0i02aY_rms vs Slug



Right In: 1615.627 $\pm$ 0.444 χ^2 /NDF: 149190.0/16

Left Out: 1426.562 $\pm$ 0.243 χ^2 /NDF: 287839.6/22

Right Out: 1600.836 $\pm$ 0.427 χ^2 /NDF: 153528.6/18

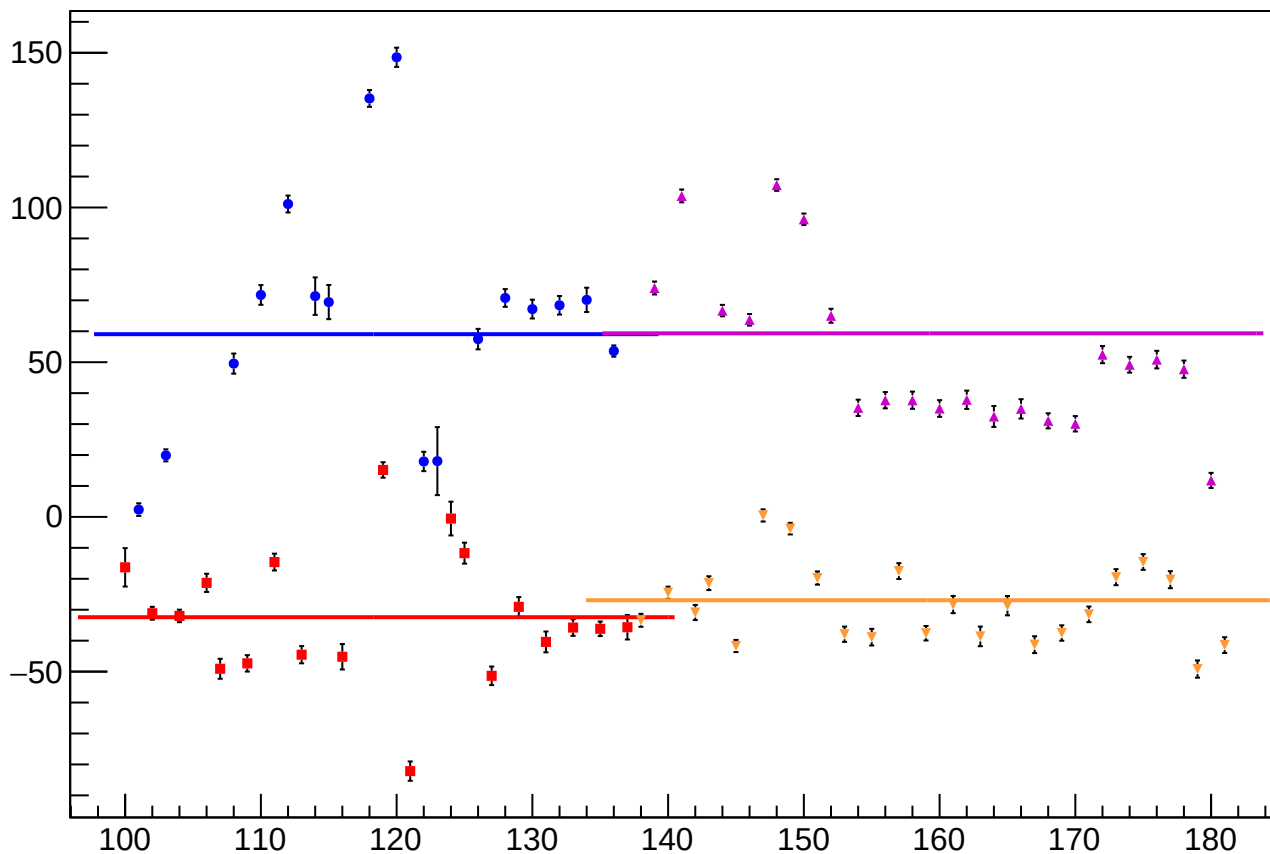
Left In: 1430.693 $\pm$ 0.252 χ^2 /NDF: 413097.5/20

+ sign 1470.194 $\pm$ 0.213 χ^2 /NDF: 576748.1/39

All: 1472.425 $\pm$ 0.152 χ^2 /NDF: 1261335.8/79

- sign 1474.742 $\pm$ 0.217 χ^2 /NDF: 684364.3/39

diff_bpm0i05X_mean vs Slug



Right In: 59.057 ± 0.700 χ^2/NDF : 3293.2/16

Left Out: -26.927 ± 0.500 χ^2/NDF : 704.8/22

Right Out: -32.417 ± 0.667 χ^2/NDF : 888.1/18

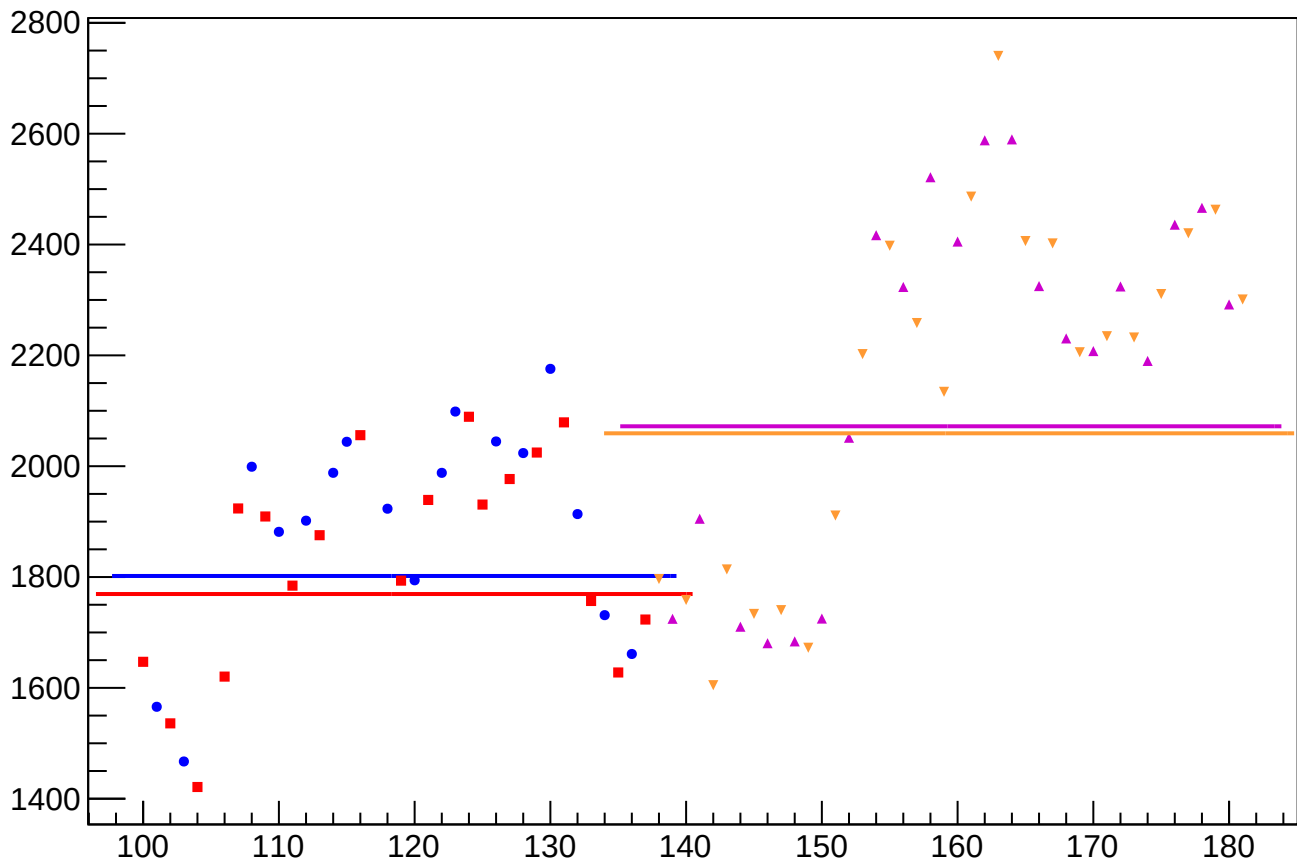
Left In: 59.329 ± 0.520 χ^2/NDF : 2745.2/20

+ sign 2.059 ± 0.407 χ^2/NDF : 13986.7/39

All: 13.275 ± 0.289 χ^2/NDF : 30914.2/79

- sign 24.683 ± 0.410 χ^2/NDF : 15393.3/39

diff_bpm0i05X_rms vs Slug



Right In: 1801.920+/-0.495 χ^2/NDF : 183555.8/16

Left Out: 2059.350+/-0.353 χ^2/NDF : 760604.5/22

Right Out: 1769.354+/-0.472 χ^2/NDF : 177813.0/18

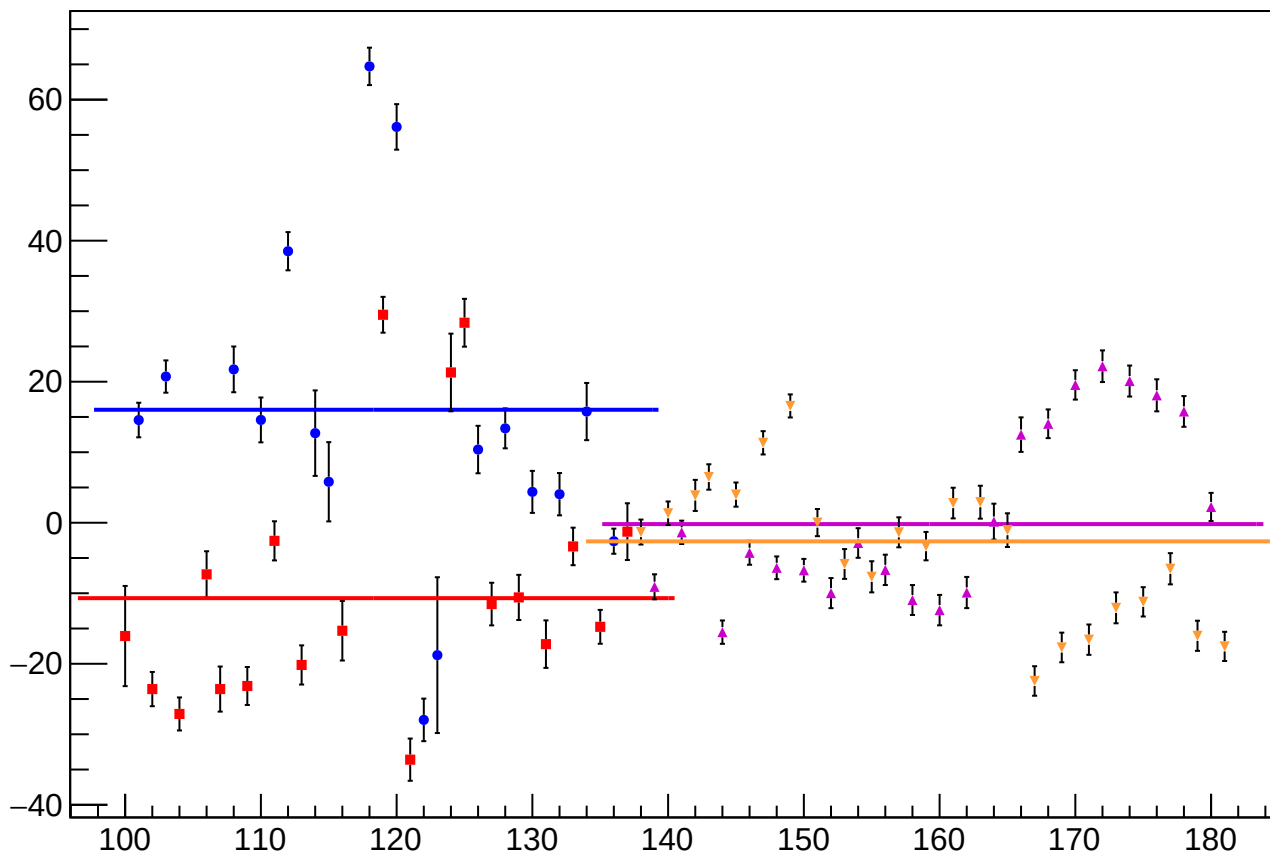
Left In: 2072.023+/-0.368 χ^2/NDF : 768090.5/20

+ sign 1972.567+/-0.288 χ^2/NDF : 1123231.4/39

All: 1965.210+/-0.204 χ^2/NDF : 2326430.9/79

- sign 1957.727+/-0.290 χ^2/NDF : 1201879.3/39

diff_bpm0i05Y_mean vs Slug



Right In: 16.023 ± 0.723 χ^2/NDF : 938.1/16

Left Out: -2.643 ± 0.416 χ^2/NDF : 599.7/22

Right Out: -10.695 ± 0.694 χ^2/NDF : 632.7/18

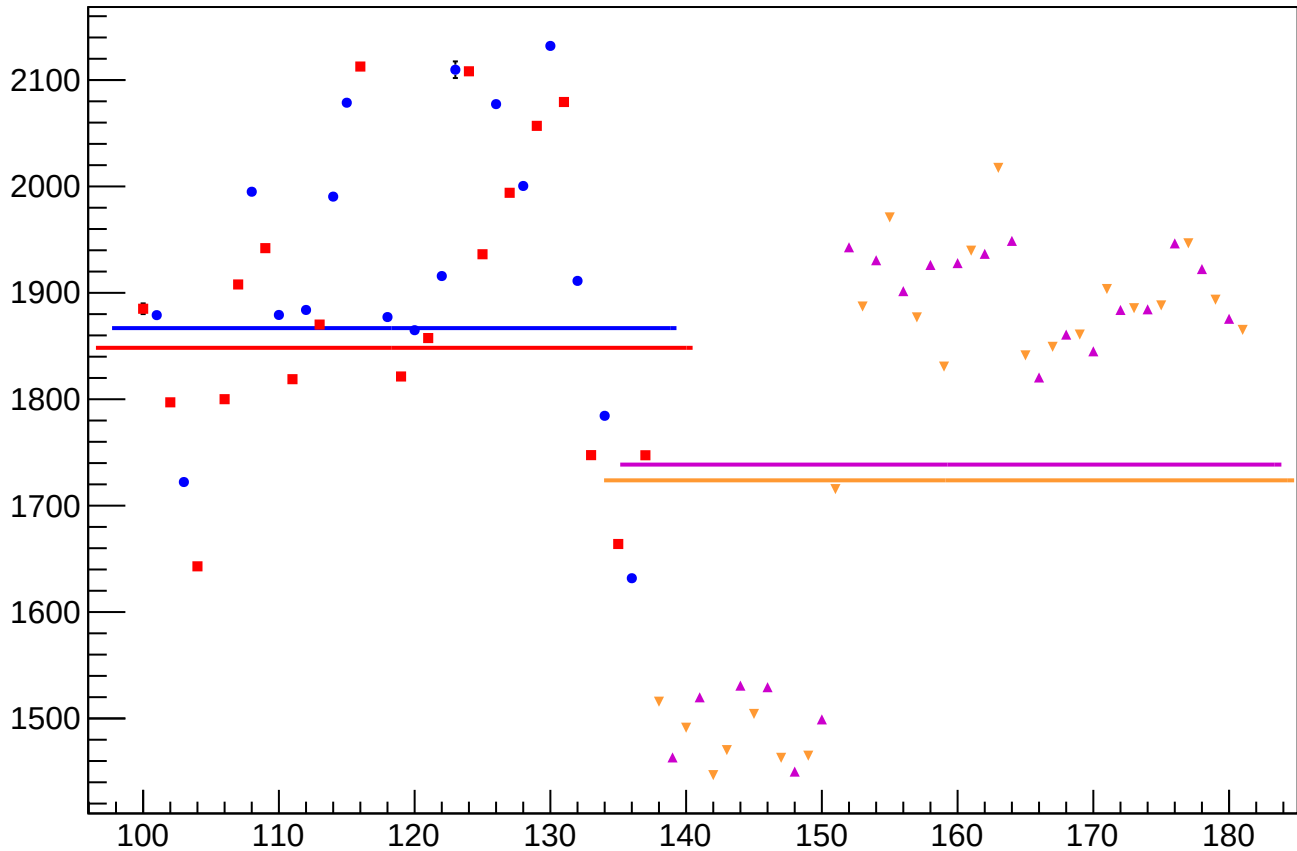
Left In: -0.192 ± 0.433 χ^2/NDF : 727.2/20

+ sign 2.005 ± 0.361 χ^2/NDF : 2038.8/39

All: -0.516 ± 0.257 χ^2/NDF : 3663.0/79

- sign -3.137 ± 0.368 χ^2/NDF : 1524.5/39

diff_bpm0i05Y_rms vs Slug



Right In: 1866.855 $\pm$ 0.511 χ^2 /NDF: 80657.5/16

Left Out: 1723.781 $\pm$ 0.294 χ^2 /NDF: 474747.8/22

Right Out: 1848.333 $\pm$ 0.491 χ^2 /NDF: 72586.9/18

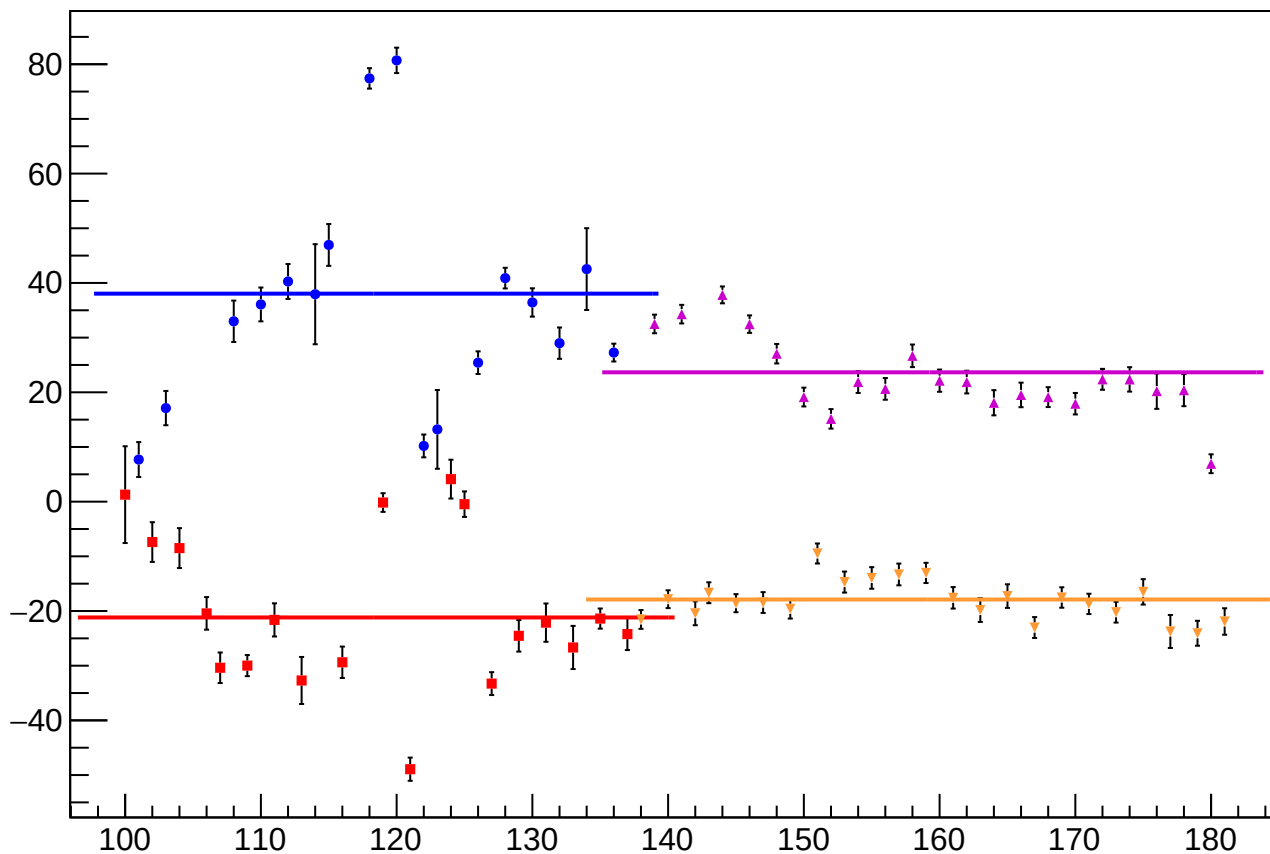
Left In: 1738.586 $\pm$ 0.307 χ^2 /NDF: 432677.1/20

+ sign 1759.404 $\pm$ 0.255 χ^2 /NDF: 614275.0/39

All: 1764.284 $\pm$ 0.182 χ^2 /NDF: 1156233.0/79

- sign 1769.359 $\pm$ 0.260 χ^2 /NDF: 541210.8/39

diff_bpm0i07X_mean vs Slug



Right In: 38.041 ± 0.639 χ^2/NDF : 1207.6/16

Left Out: -17.893 ± 0.408 χ^2/NDF : 71.6/22

Right Out: -21.178 ± 0.610 χ^2/NDF : 570.0/18

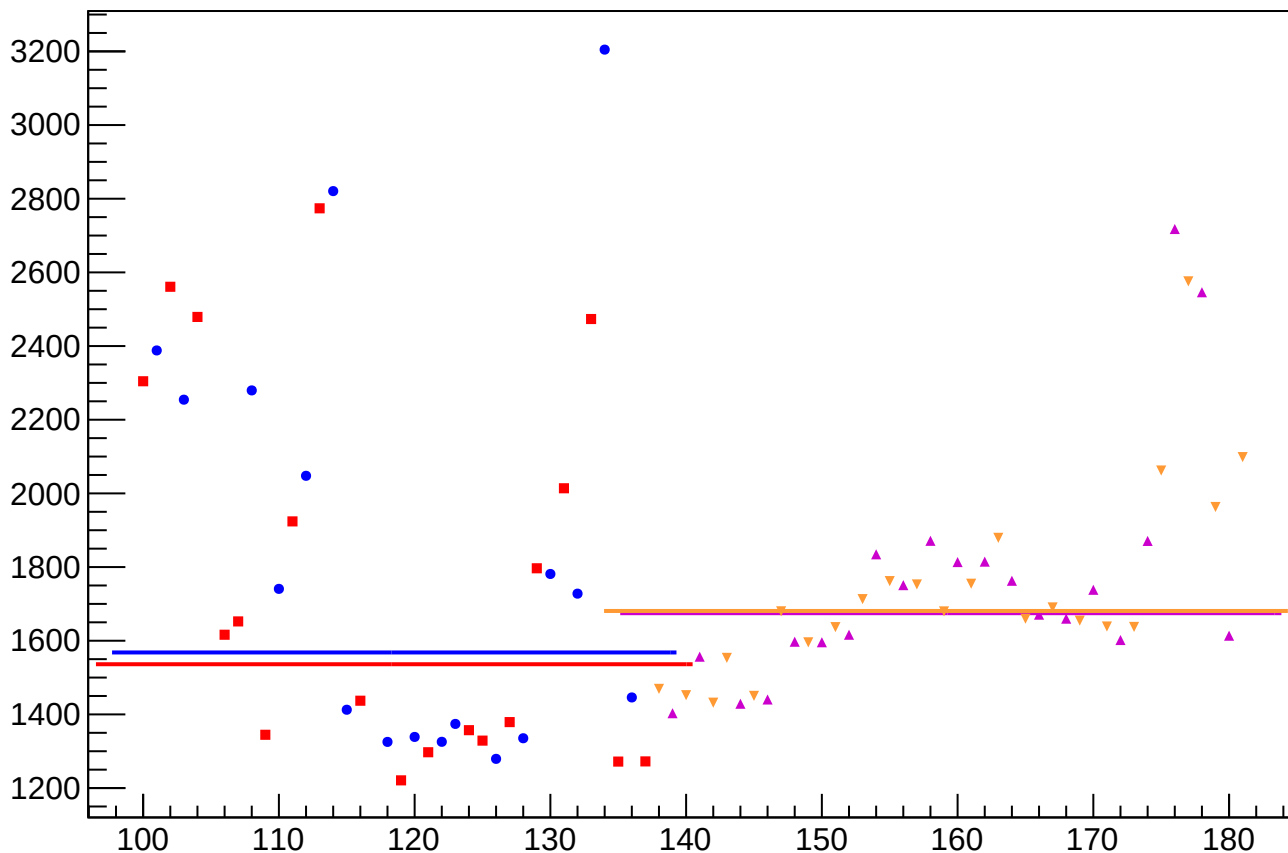
Left In: 23.657 ± 0.421 χ^2/NDF : 341.9/20

+ sign -1.662 ± 0.344 χ^2/NDF : 6722.1/39

All: 3.736 ± 0.244 χ^2/NDF : 11794.8/79

- sign 9.199 ± 0.346 χ^2/NDF : 4577.5/39

diff_bpm0i07X_rms vs Slug



Right In: 1568.172+/-0.452 χ^2/NDF : 668072.7/16

Left Out: 1680.820+/-0.289 χ^2/NDF : 497938.3/22

Right Out: 1536.208+/-0.431 χ^2/NDF : 882312.9/18

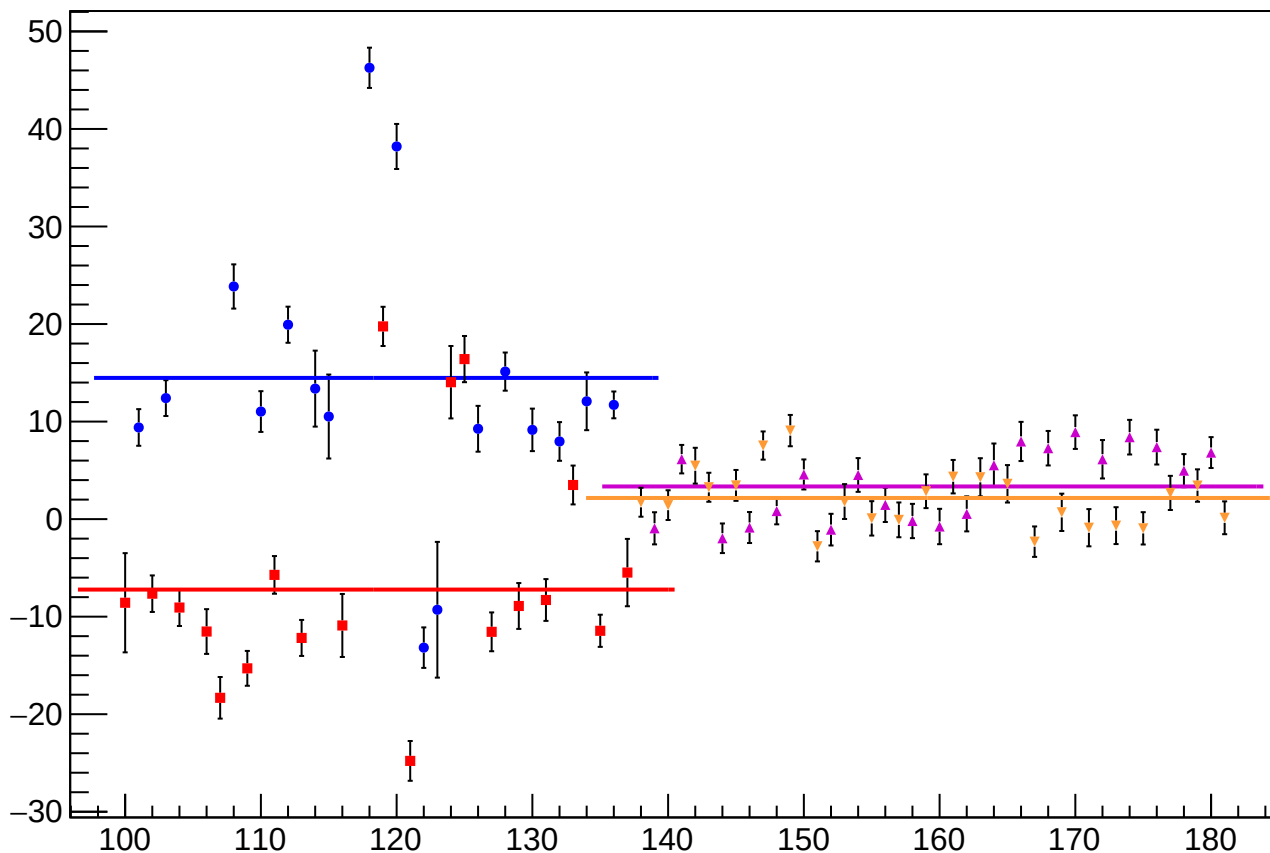
Left In: 1674.798+/-0.297 χ^2/NDF : 626267.7/20

+ sign 1648.132+/-0.243 χ^2/NDF : 1210162.7/39

All: 1639.174+/-0.173 χ^2/NDF : 2791518.6/79

- sign 1630.108+/-0.245 χ^2/NDF : 1578628.5/39

diff_bpm0i07Y_mean vs Slug



Right In: 14.477 ± 0.524 χ^2/NDF : 596.5/16

Left Out: 2.169 ± 0.351 χ^2/NDF : 73.2/22

Right Out: -7.223 ± 0.495 χ^2/NDF : 489.0/18

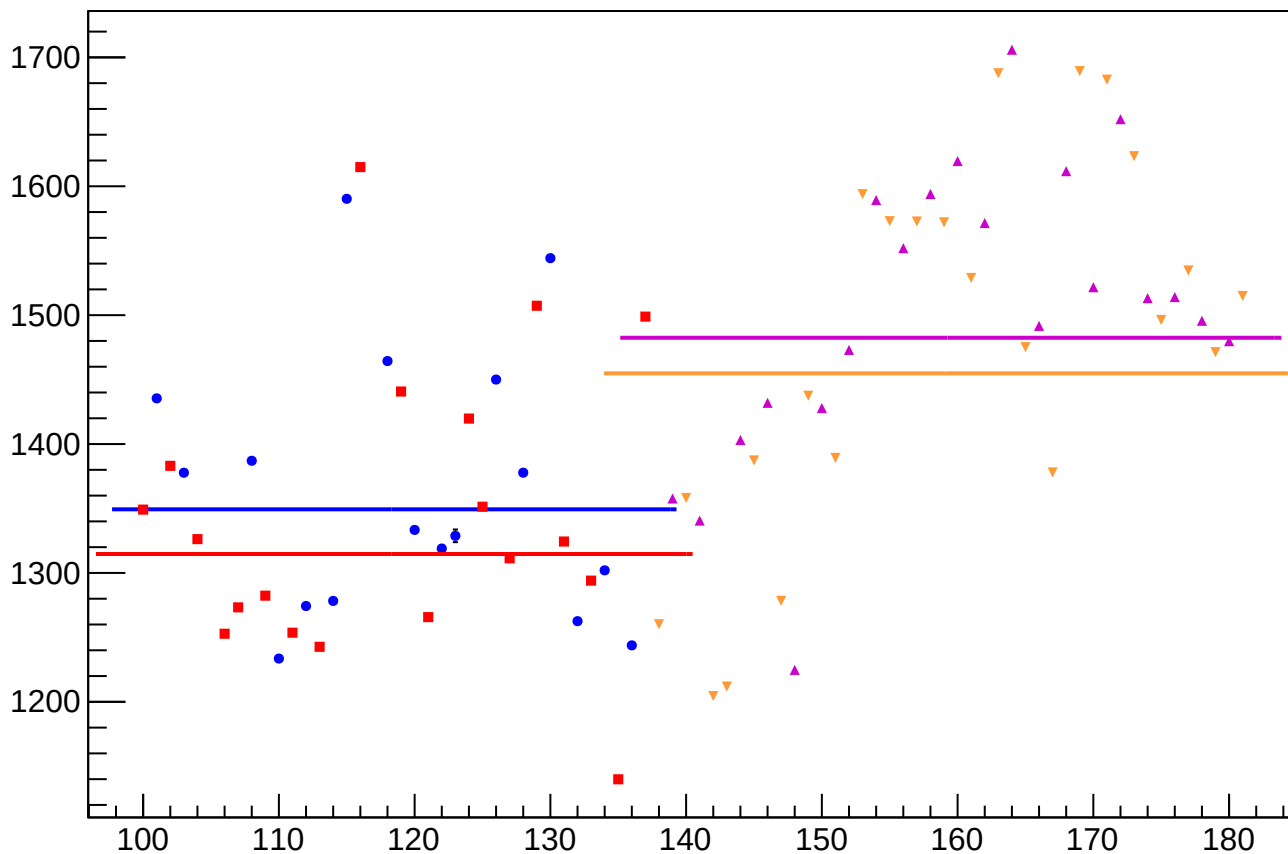
Left In: 3.349 ± 0.369 χ^2/NDF : 97.0/20

+ sign 5.980 ± 0.292 χ^2/NDF : 1050.5/39

All: 2.824 ± 0.208 χ^2/NDF : 2167.3/79

- sign -0.424 ± 0.296 χ^2/NDF : 879.1/39

diff_bpm0i07Y_rms vs Slug



Right In: 1349.357 ± 0.371 χ^2/NDF : 64580.7/16

Left Out: 1454.865 ± 0.248 χ^2/NDF : 329267.3/22

Right Out: 1314.682 ± 0.350 χ^2/NDF : 80983.6/18

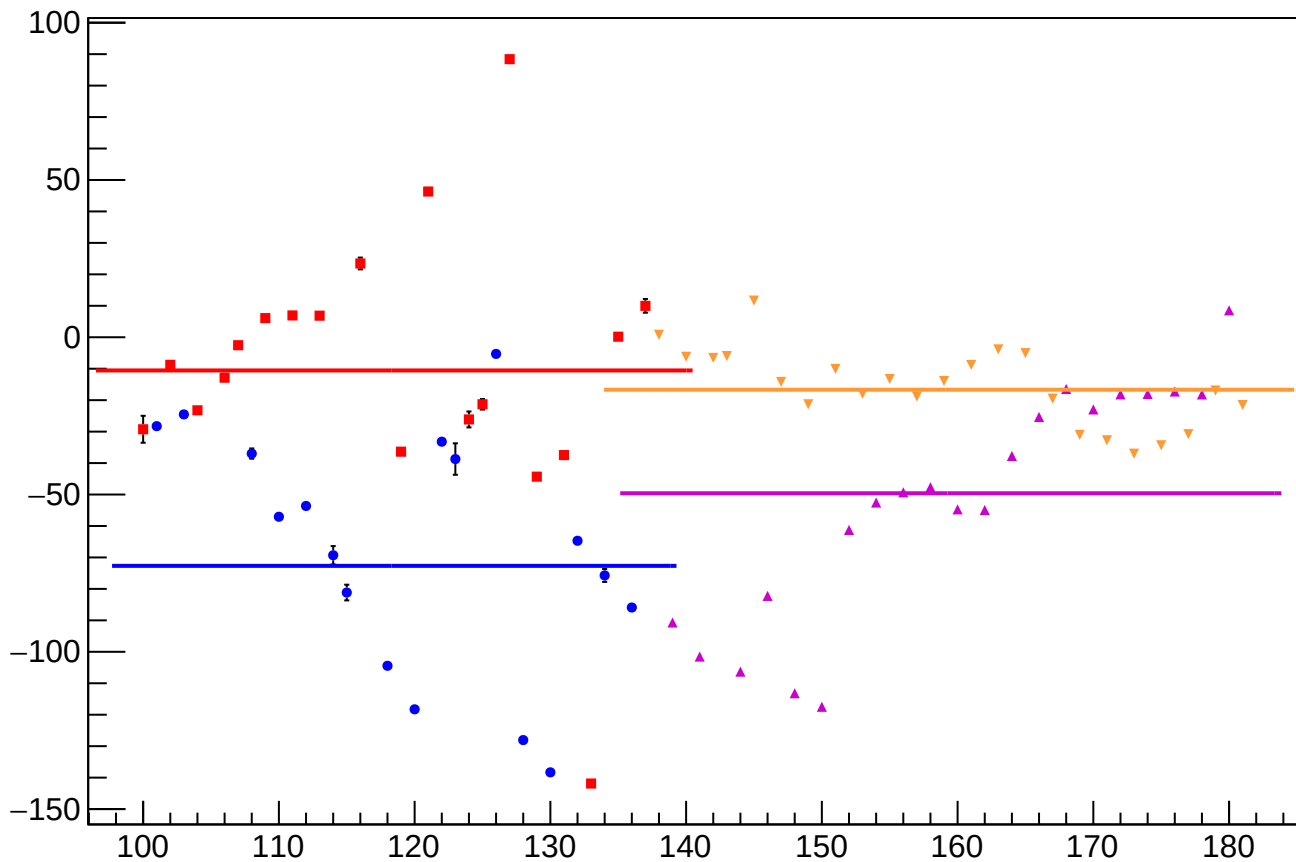
Left In: 1482.461 ± 0.261 χ^2/NDF : 195271.0/20

+ sign 1422.196 ± 0.206 χ^2/NDF : 449811.5/39

All: 1422.388 ± 0.147 χ^2/NDF : 873681.8/79

- sign 1422.585 ± 0.209 χ^2/NDF : 423868.6/39

diff_bpm1i02X_mean vs Slug



Right In: -72.674 ± 0.363 $\chi^2/\text{NDF}: 11603.9/16$

Left Out: -16.678 ± 0.218 $\chi^2/\text{NDF}: 3126.8/22$

Right Out: -10.552 ± 0.353 $\chi^2/\text{NDF}: 18145.5/18$

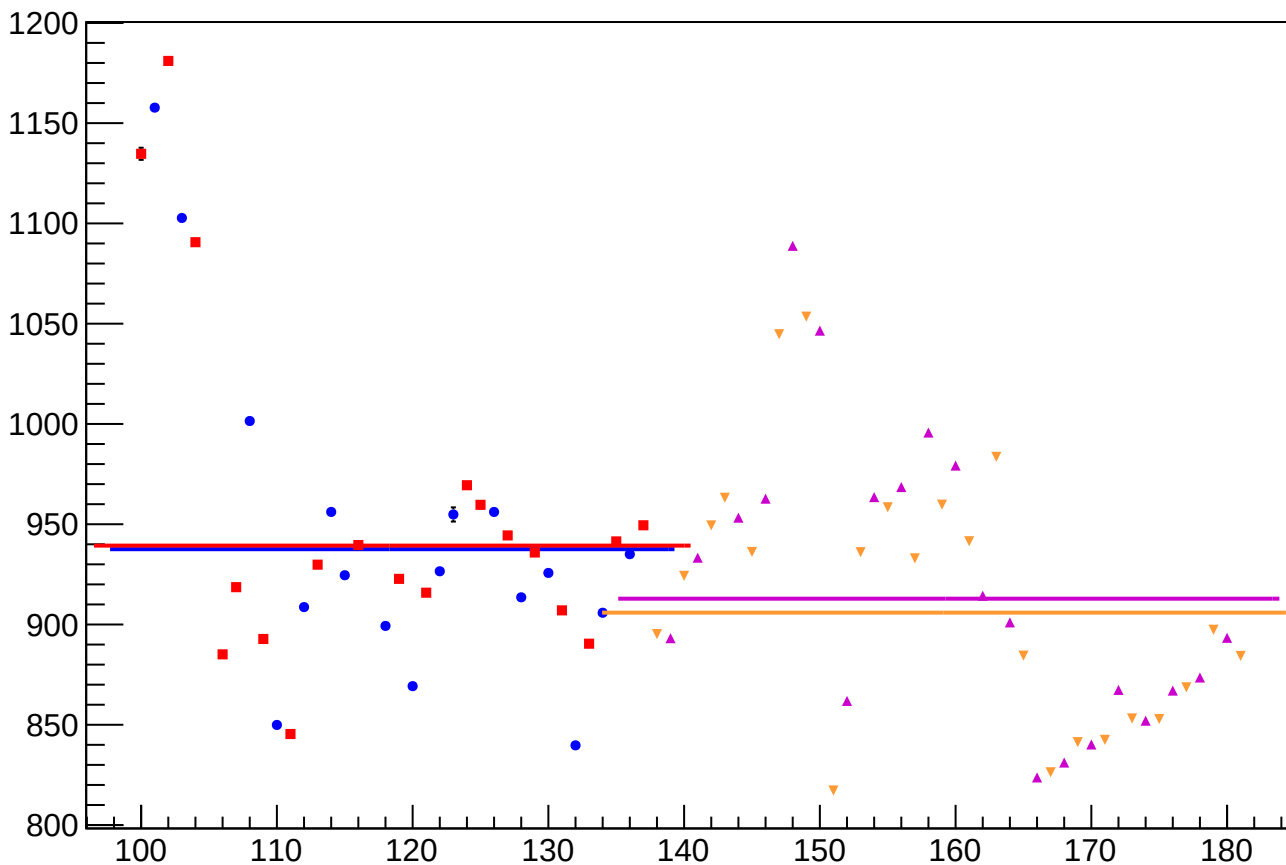
Left In: -49.599 ± 0.227 $\chi^2/\text{NDF}: 25042.4/20$

+ sign -31.487 ± 0.187 $\chi^2/\text{NDF}: 32230.1/39$

All: -34.768 ± 0.133 $\chi^2/\text{NDF}: 84711.9/79$

- sign -38.194 ± 0.191 $\chi^2/\text{NDF}: 51850.4/39$

diff_bpm1i02X_rms vs Slug



Right In: 937.550 $\pm$ 0.257 χ^2 /NDF: 98231.3/16

Left Out: 905.917 $\pm$ 0.154 χ^2 /NDF:160919.4/22

Right Out: 939.341 $\pm$ 0.250 χ^2 /NDF: 90084.9/18

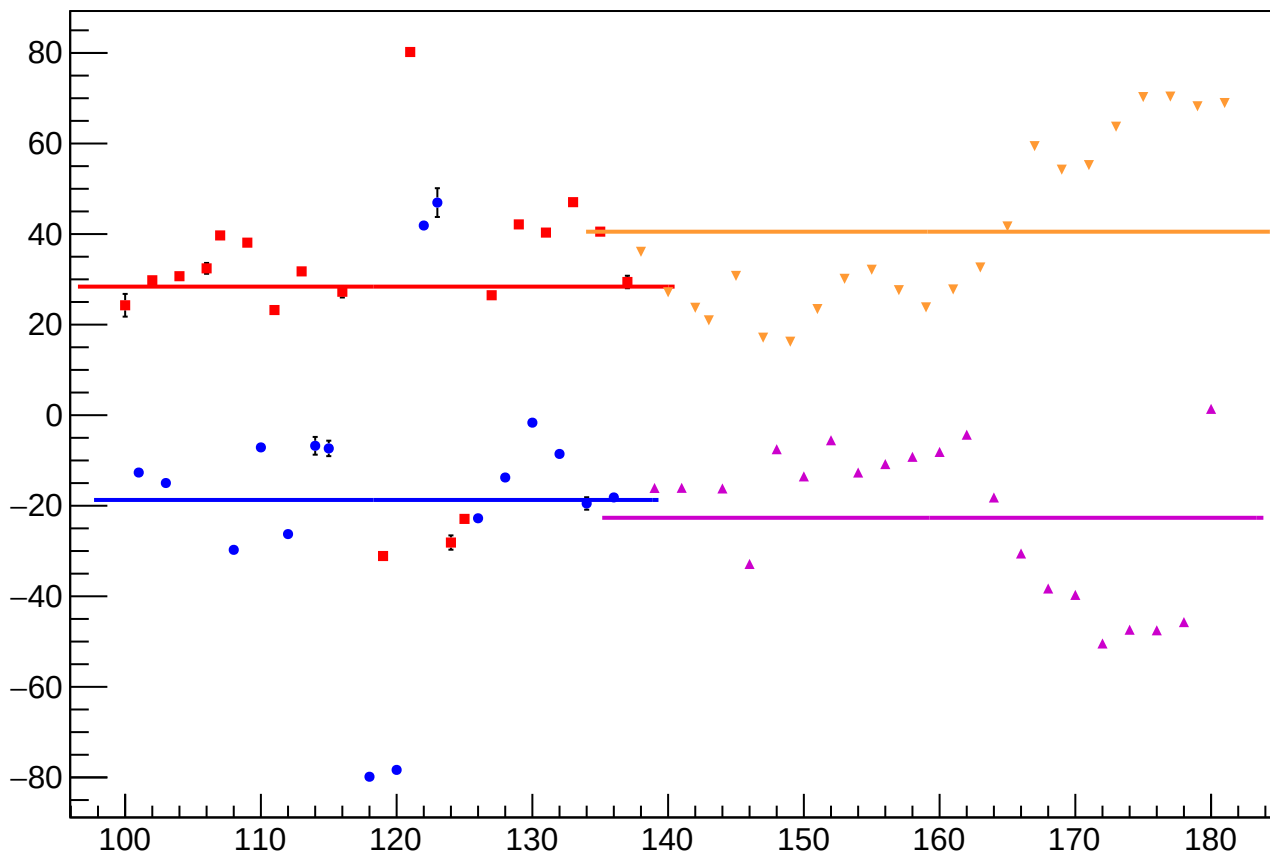
Left In: 912.878 $\pm$ 0.160 χ^2 /NDF:174258.4/20

+ sign 914.283 $\pm$ 0.132 χ^2 /NDF: 270319.9/39

All: 917.377 $\pm$ 0.094 χ^2 /NDF: 543744.1/79

- sign 920.607 $\pm$ 0.135 χ^2 /NDF: 272301.3/39

diff_bpm1i02Y_mean vs Slug



Right In: -18.723 ± 0.243 χ^2/NDF : 12999.6/16

Left Out: 40.525 ± 0.172 χ^2/NDF : 11991.4/22

Right Out: 28.395 ± 0.236 χ^2/NDF : 12424.6/18

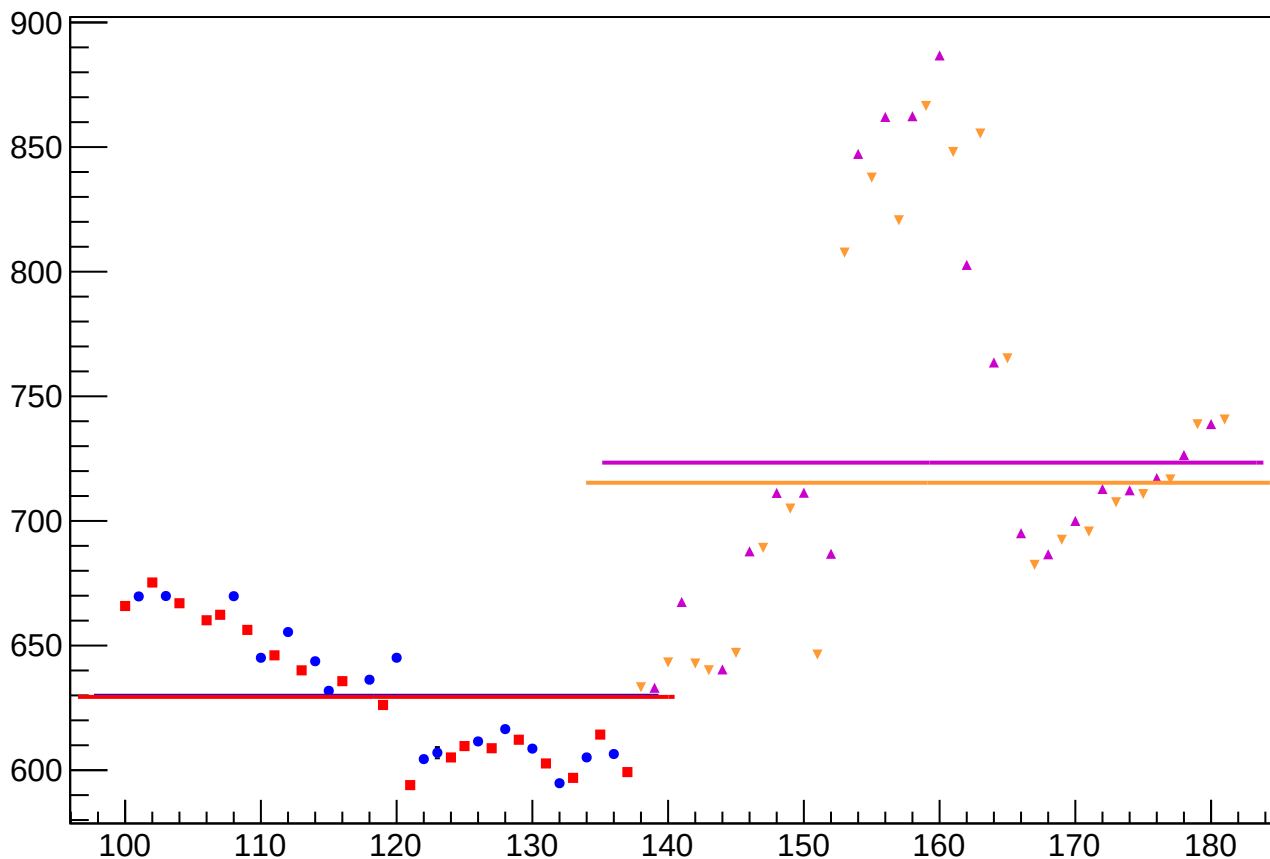
Left In: -22.662 ± 0.180 χ^2/NDF : 8064.3/20

+ sign 20.700 ± 0.141 χ^2/NDF : 64512.9/39

All: 8.634 ± 0.100 χ^2/NDF : 129593.4/79

- sign -3.864 ± 0.143 χ^2/NDF : 50092.7/39

diff_bpm1i02Y_rms vs Slug



Right In: 629.857 $\pm$ 0.172 χ^2 /NDF: 23252.7/16

Left Out: 715.321 $\pm$ 0.122 χ^2 /NDF: 336160.4/22

Right Out: 629.413 $\pm$ 0.167 χ^2 /NDF: 25484.3/18

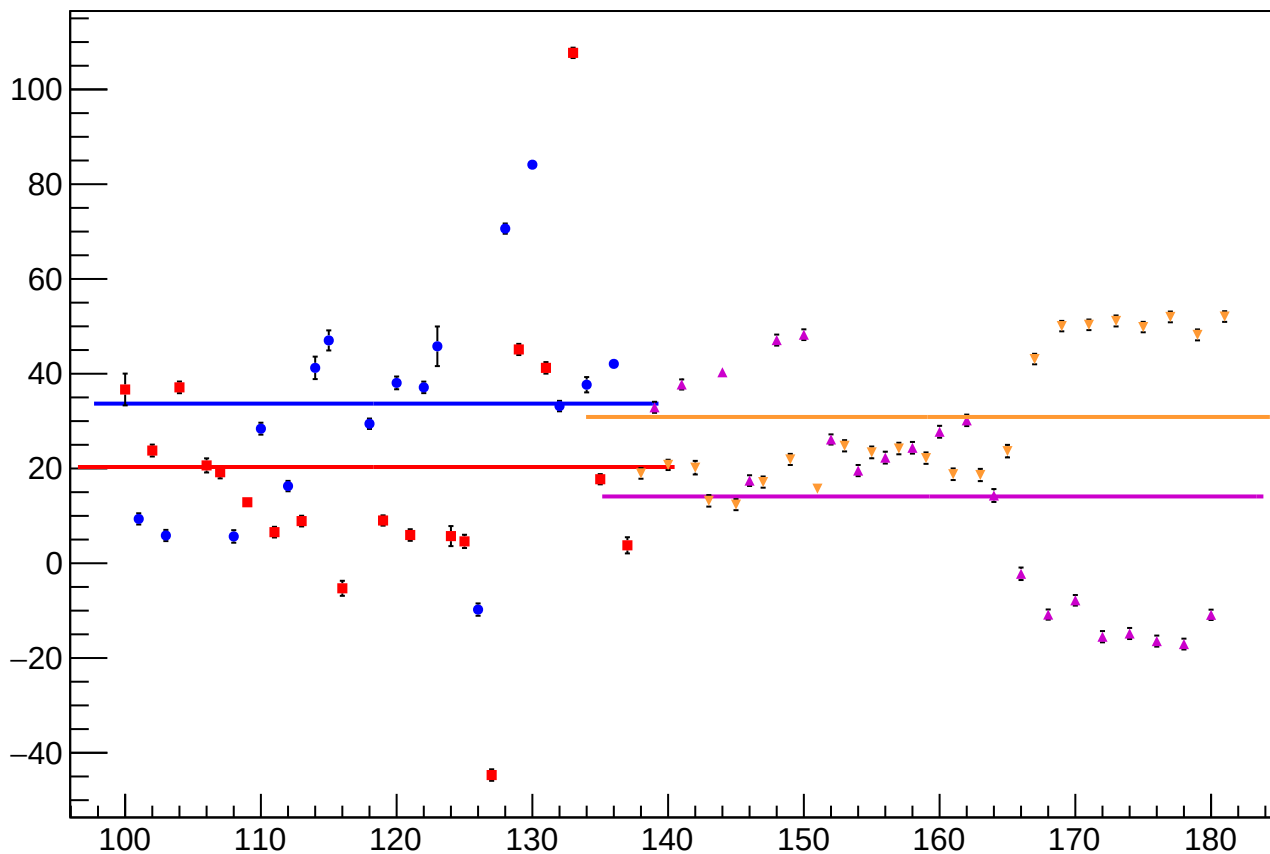
Left In: 723.398 $\pm$ 0.127 χ^2 /NDF: 279138.0/20

+ sign 686.724 $\pm$ 0.099 χ^2 /NDF: 523885.8/39

All: 687.741 $\pm$ 0.071 χ^2 /NDF: 1029349.9/79

- sign 688.795 $\pm$ 0.101 χ^2 /NDF: 505251.1/39

diff_bpm1i04X_mean vs Slug



Right In: 33.692 $\pm$ 0.300 χ^2 /NDF: 6428.2/16

Left Out: 30.876 $\pm$ 0.244 χ^2 /NDF: 3735.0/22

Right Out: 20.314 $\pm$ 0.293 χ^2 /NDF: 11278.0/18

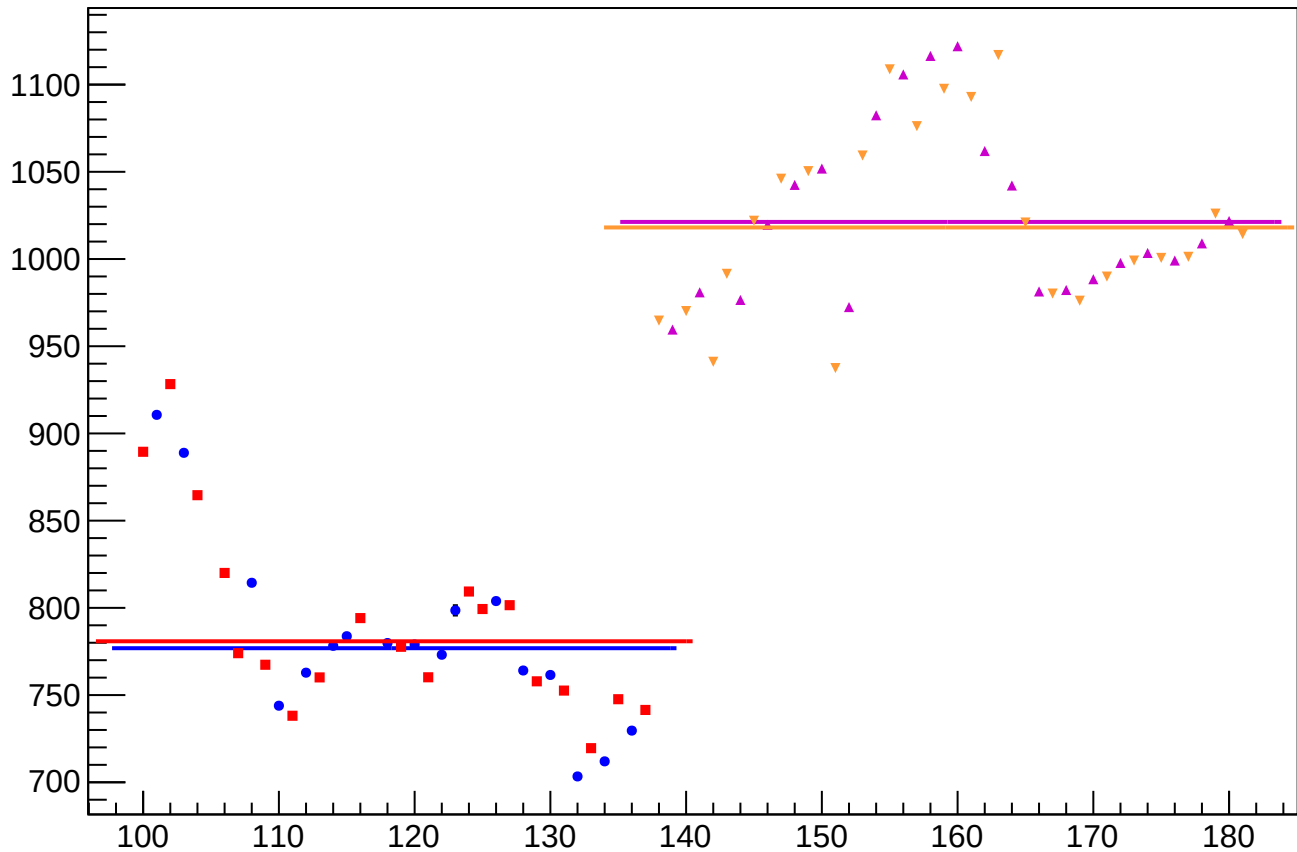
Left In: 14.097 $\pm$ 0.253 χ^2 /NDF: 7916.2/20

+ sign 31.997 $\pm$ 0.190 χ^2 /NDF: 10216.1/39

All: 24.458 $\pm$ 0.135 χ^2 /NDF: 32866.1/79

- sign 16.755 $\pm$ 0.192 χ^2 /NDF: 19451.9/39

diff_bpm1i04X_rms vs Slug



Right In: 776.869 ± 0.212 χ^2/NDF : 67447.3/16

Left Out: 1018.095 ± 0.173 χ^2/NDF : 83140.0/22

Right Out: 780.840 ± 0.207 χ^2/NDF : 57297.9/18

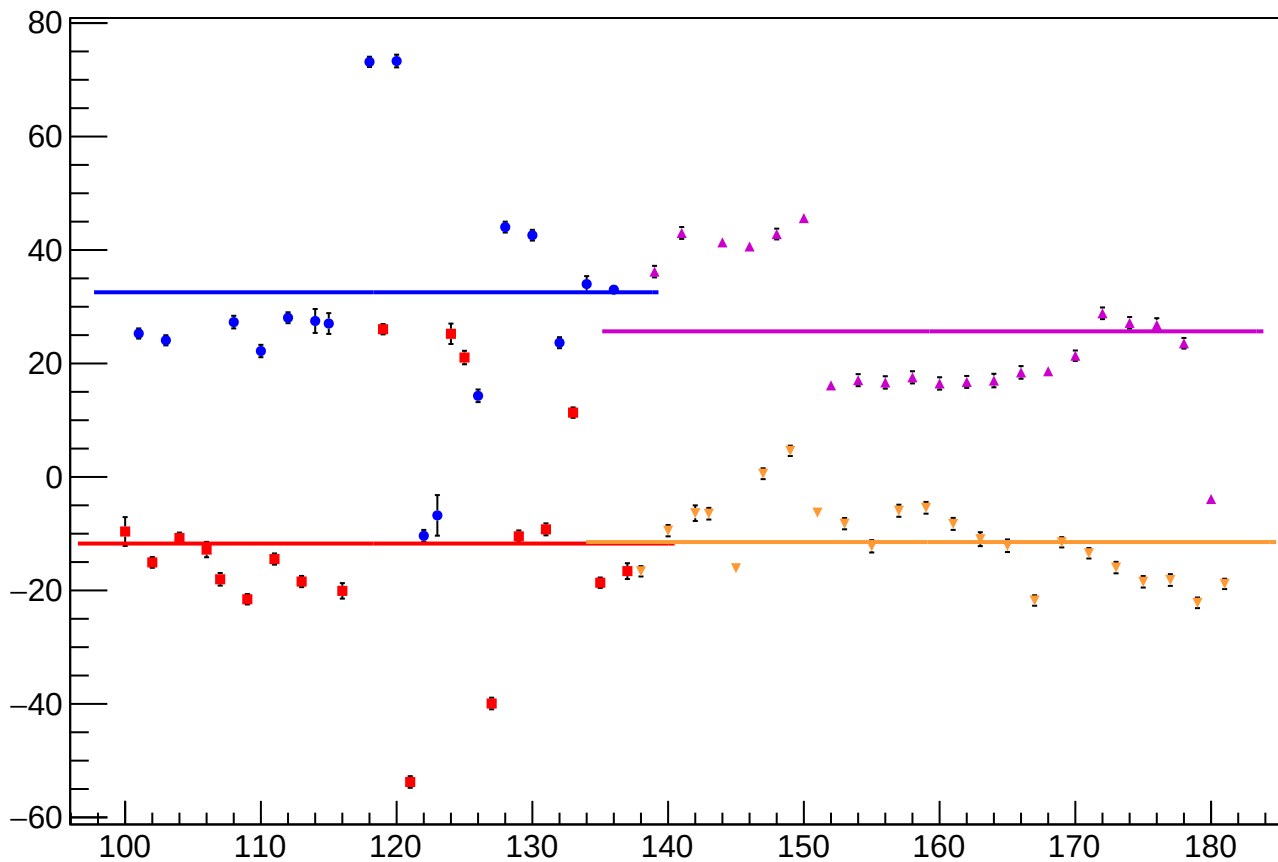
Left In: 1021.267 ± 0.179 χ^2/NDF : 68799.7/20

+ sign 922.068 ± 0.134 χ^2/NDF : 926694.8/39

All: 920.291 ± 0.095 χ^2/NDF : 1823873.4/79

- sign 918.475 ± 0.135 χ^2/NDF : 896823.0/39

diff_bpm1i04Y_mean vs Slug



Right In: 32.550 ± 0.253 χ^2/NDF : 6077.4/16

Left Out: -11.471 ± 0.206 χ^2/NDF : 1128.9/22

Right Out: -11.737 ± 0.247 χ^2/NDF : 6313.2/18

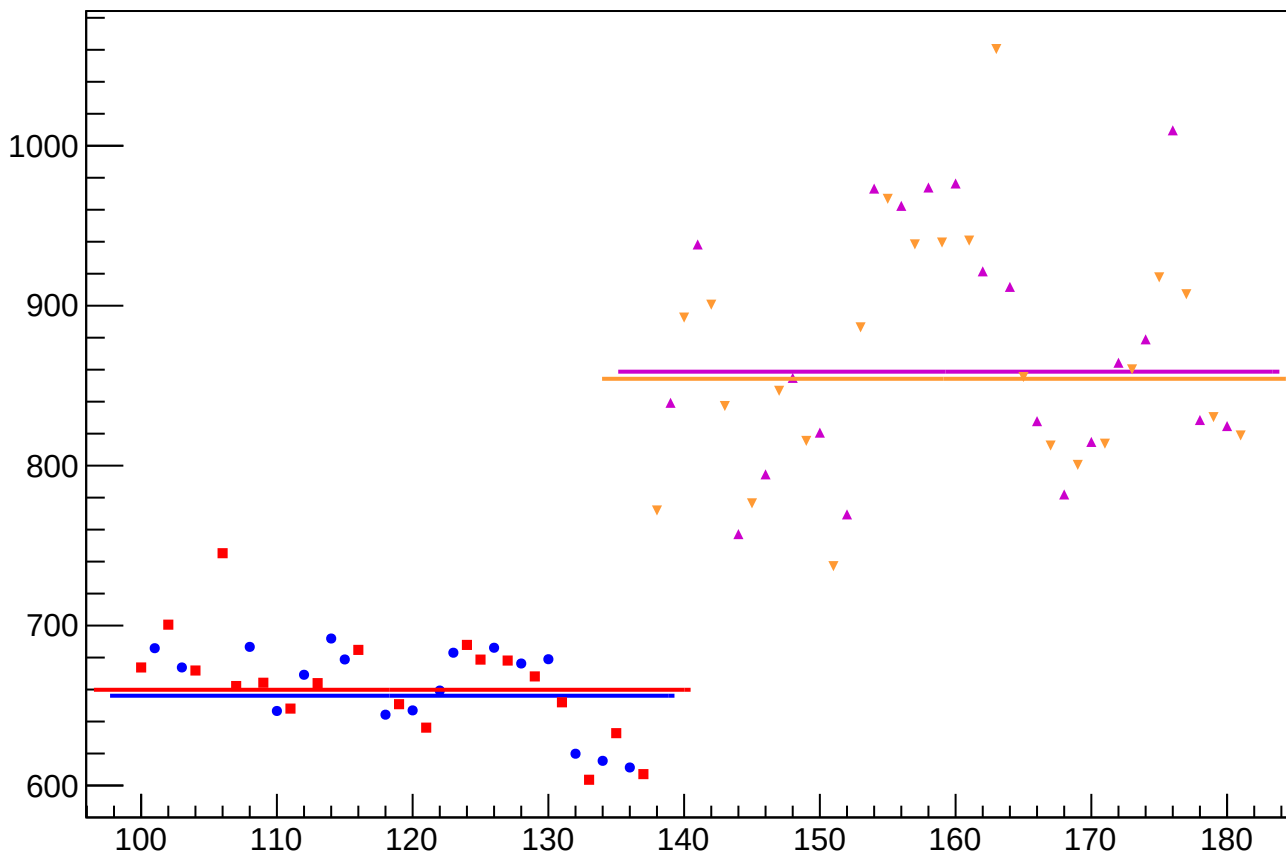
Left In: 25.664 ± 0.214 χ^2/NDF : 3660.6/20

+ sign 6.037 ± 0.160 χ^2/NDF : 25398.4/39

All: 7.824 ± 0.114 χ^2/NDF : 48698.2/79

- sign 9.659 ± 0.162 χ^2/NDF : 23046.3/39

diff_bpm1i04Y_rms vs Slug



Right In: 656.132 $\pm$ 0.179 χ^2 /NDF: 23518.0/16

Left Out: 854.295 $\pm$ 0.146 χ^2 /NDF:233856.9/22

Right Out: 659.855 $\pm$ 0.175 χ^2 /NDF: 28270.5/18

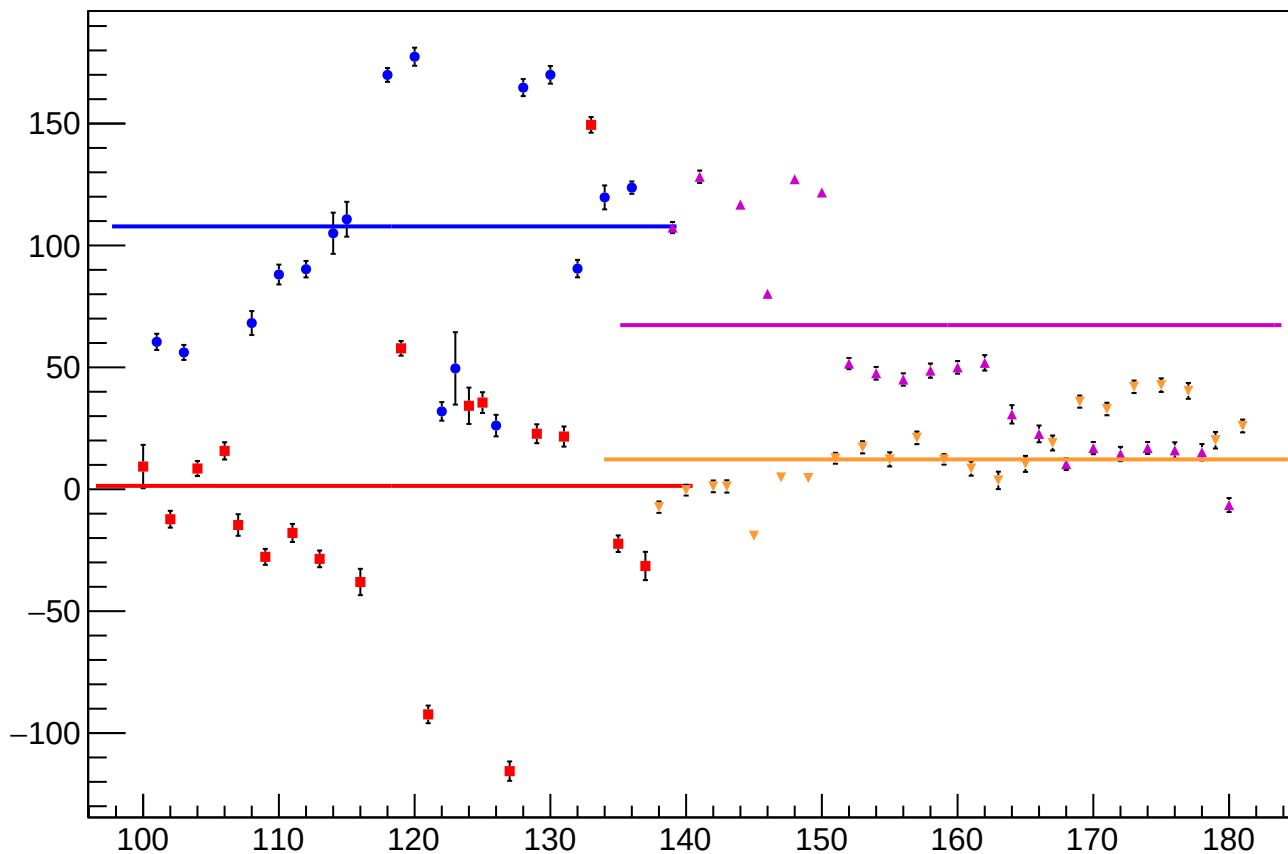
Left In: 858.748 $\pm$ 0.151 χ^2 /NDF:238103.5/20

+ sign 775.479 $\pm$ 0.113 χ^2 /NDF: 994669.7/39

All: 774.567 $\pm$ 0.080 χ^2 /NDF: 2000534.0/79

- sign 773.632 $\pm$ 0.114 χ^2 /NDF: 1005732.3/39

diff_bpm1i06X_mean vs Slug



Right In: 107.816 $\pm$ 0.923 χ^2 /NDF: 2815.8/16

Left Out: 12.255 $\pm$ 0.516 χ^2 /NDF: 964.1/22

Right Out: 1.388 $\pm$ 0.885 χ^2 /NDF: 4515.0/18

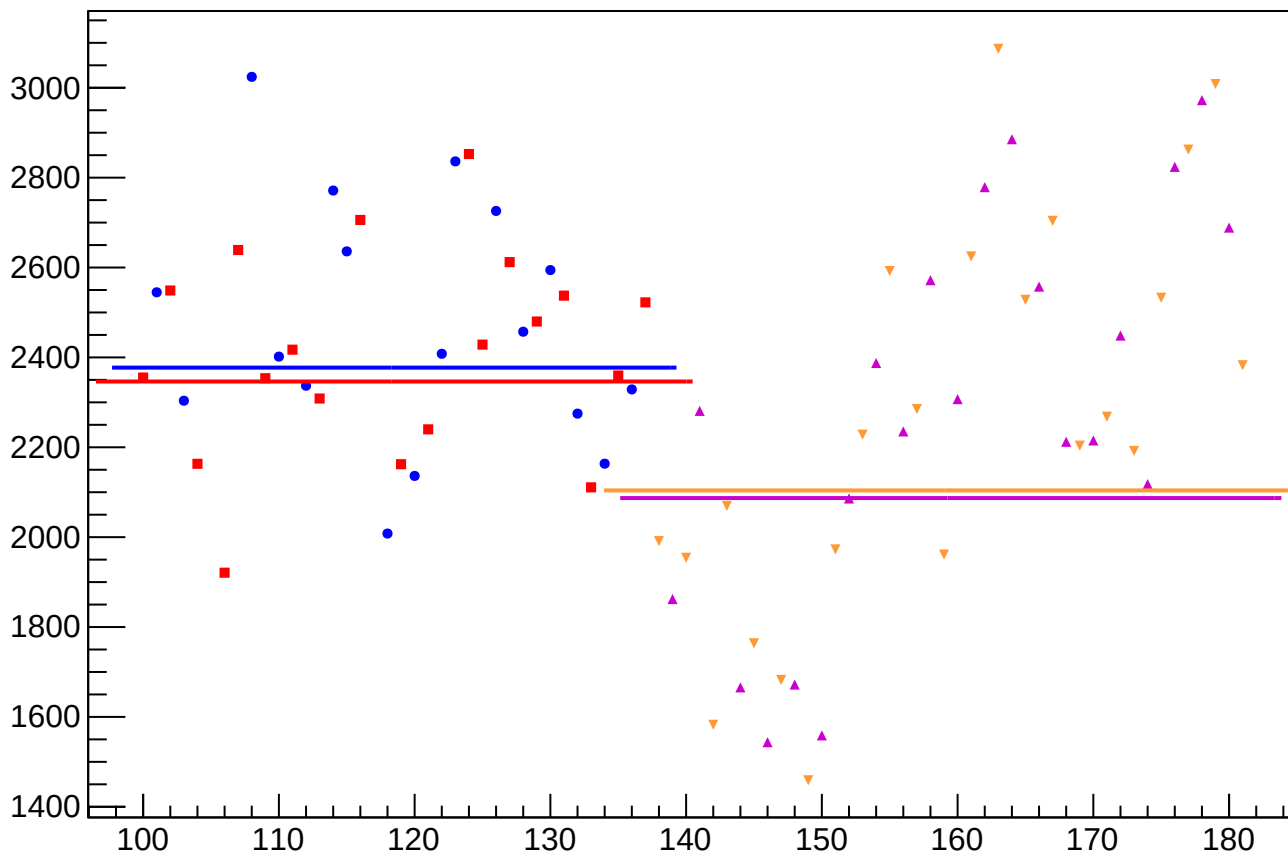
Left In: 67.331 $\pm$ 0.531 χ^2 /NDF: 7130.6/20

+ sign 34.982 $\pm$ 0.450 χ^2 /NDF: 11948.3/39

All: 42.352 $\pm$ 0.320 χ^2 /NDF: 28220.5/79

- sign 49.886 $\pm$ 0.455 χ^2 /NDF: 15730.1/39

diff_bpm1i06X_rms vs Slug



Right In: 2377.271+/-0.653 χ^2/NDF : 119441.2/16

Left Out: 2104.068+/-0.365 χ^2/NDF :1317341.6/22

Right Out: 2346.354+/-0.626 χ^2/NDF : 108612.6/18

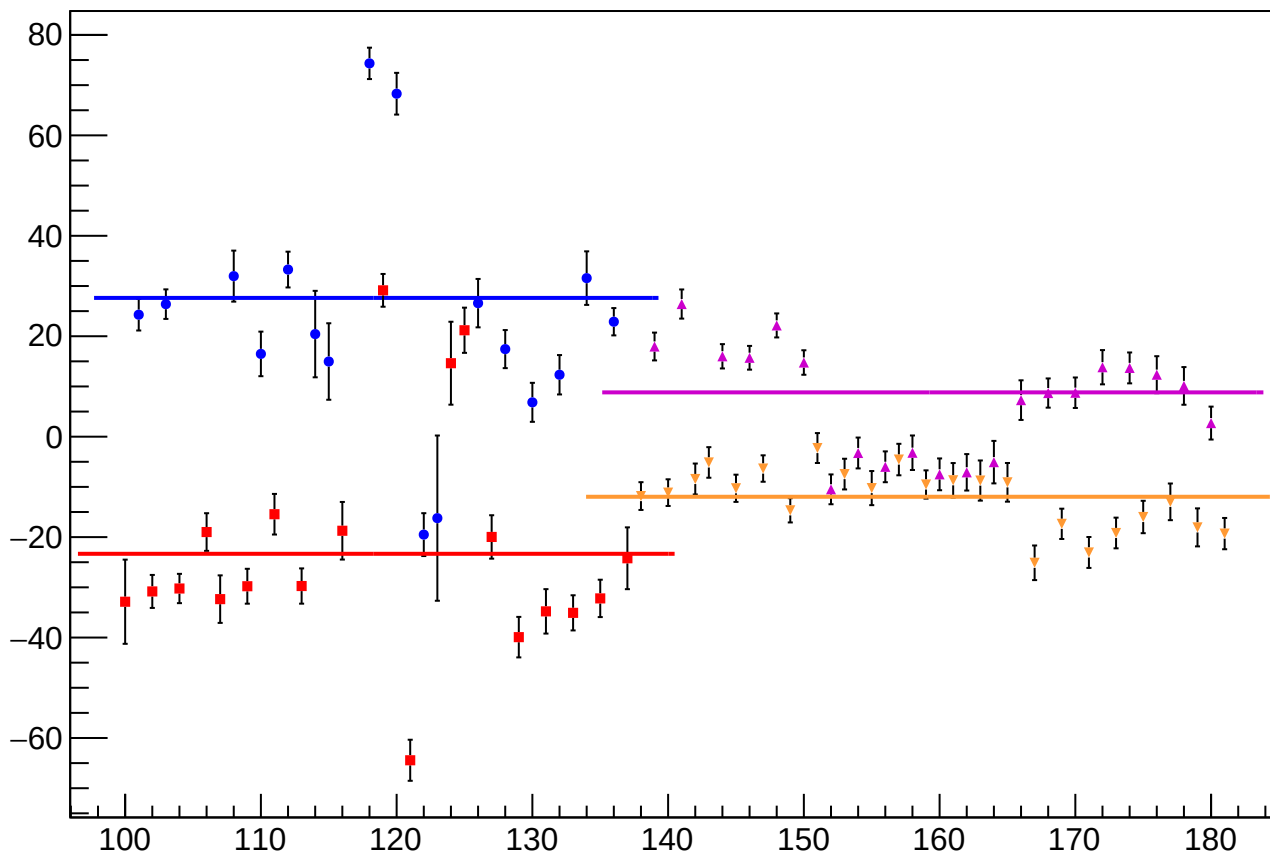
Left In: 2086.985+/-0.375 χ^2/NDF :1326725.0/20

+ sign 2169.043+/-0.318 χ^2/NDF : 1570312.5/39

All: 2162.395+/-0.226 χ^2/NDF : 3132906.2/79

- sign 2155.600+/-0.322 χ^2/NDF : 1561711.7/39

diff_bpm1i06Y_mean vs Slug



Right In: 27.633 ± 0.976 χ^2/NDF : 517.1/16

Left Out: -11.964 ± 0.640 χ^2/NDF : 80.3/22

Right Out: -23.322 ± 0.929 χ^2/NDF : 548.2/18

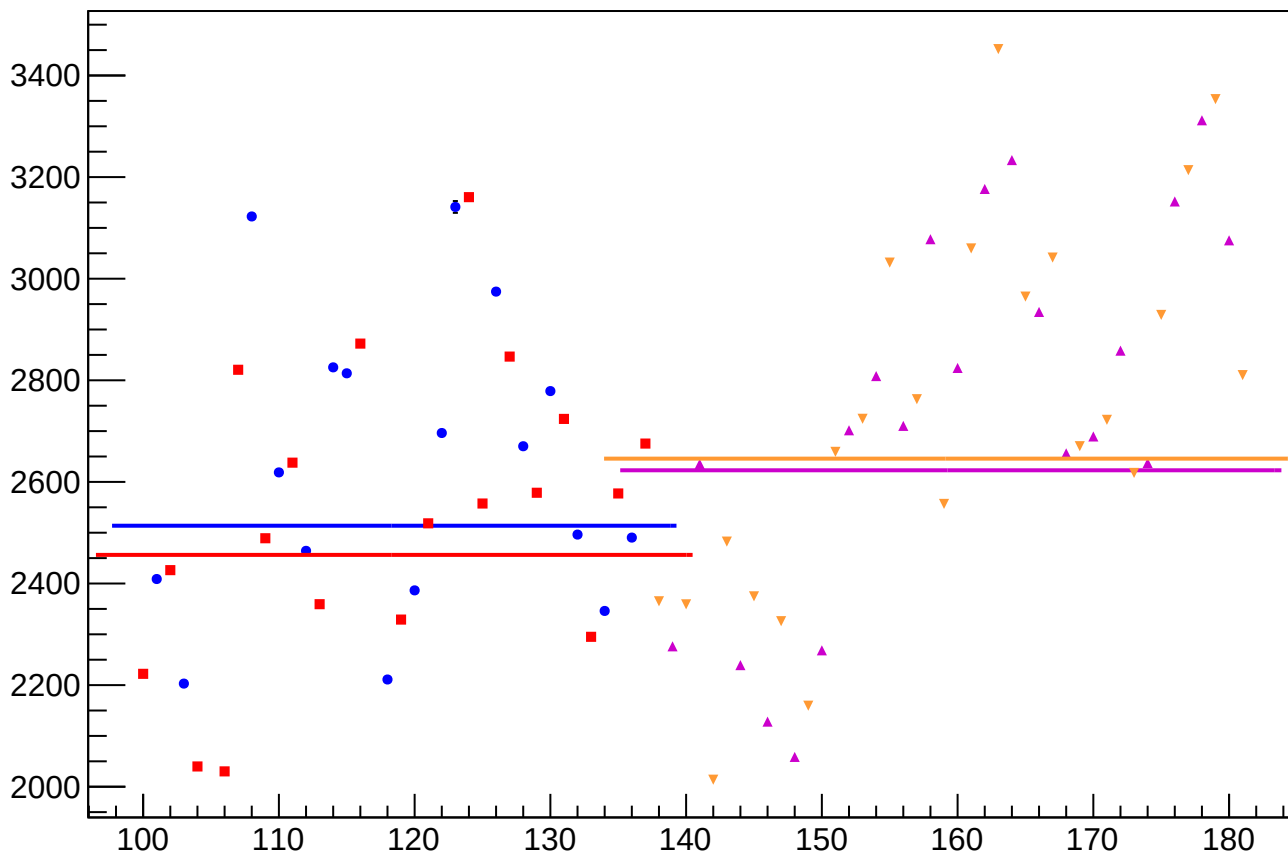
Left In: 8.821 ± 0.659 χ^2/NDF : 261.1/20

+ sign -0.054 ± 0.535 χ^2/NDF : 1747.4/39

All: -0.995 ± 0.379 χ^2/NDF : 3360.0/79

- sign -1.943 ± 0.537 χ^2/NDF : 1606.4/39

diff_bpm1i06Y_rms vs Slug



Right In: 2513.762 $\pm$ 0.690 χ^2 /NDF: 120863.4/16

Left Out: 2645.812 $\pm$ 0.453 χ^2 /NDF: 587971.7/22

Right Out: 2456.343 $\pm$ 0.657 χ^2 /NDF: 149877.3/18

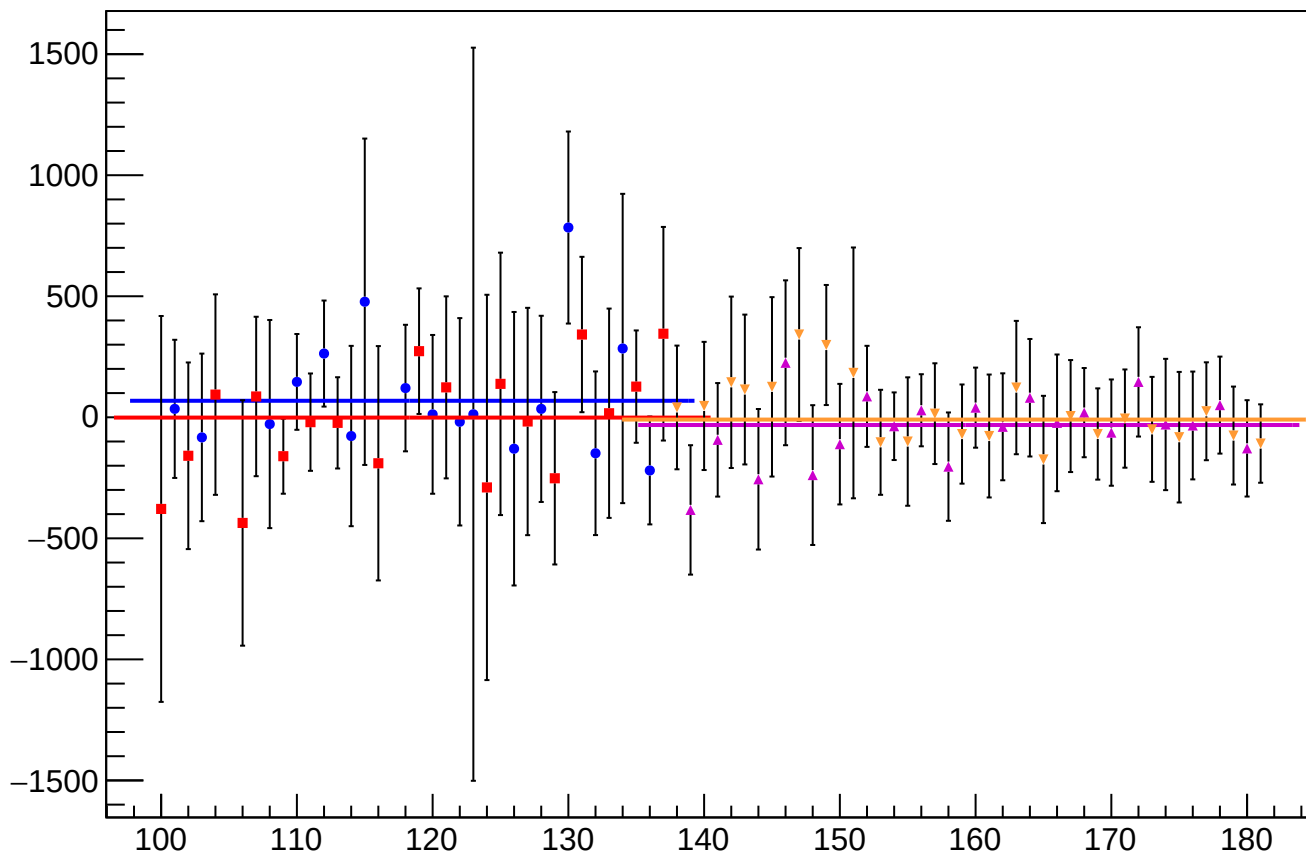
Left In: 2622.878 $\pm$ 0.466 χ^2 /NDF: 634568.4/20

+ sign 2606.092 $\pm$ 0.379 χ^2 /NDF: 734415.5/39

All: 2586.668 $\pm$ 0.268 χ^2 /NDF: 1566935.2/79

- sign 2567.108 $\pm$ 0.380 χ^2 /NDF: 827237.5/39

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 68.238 ± 79.240 χ^2/NDF : 7.4/16

Left Out: -9.397 ± 49.884 χ^2/NDF : 5.0/22

Right Out: -1.201 ± 69.991 χ^2/NDF : 6.5/18

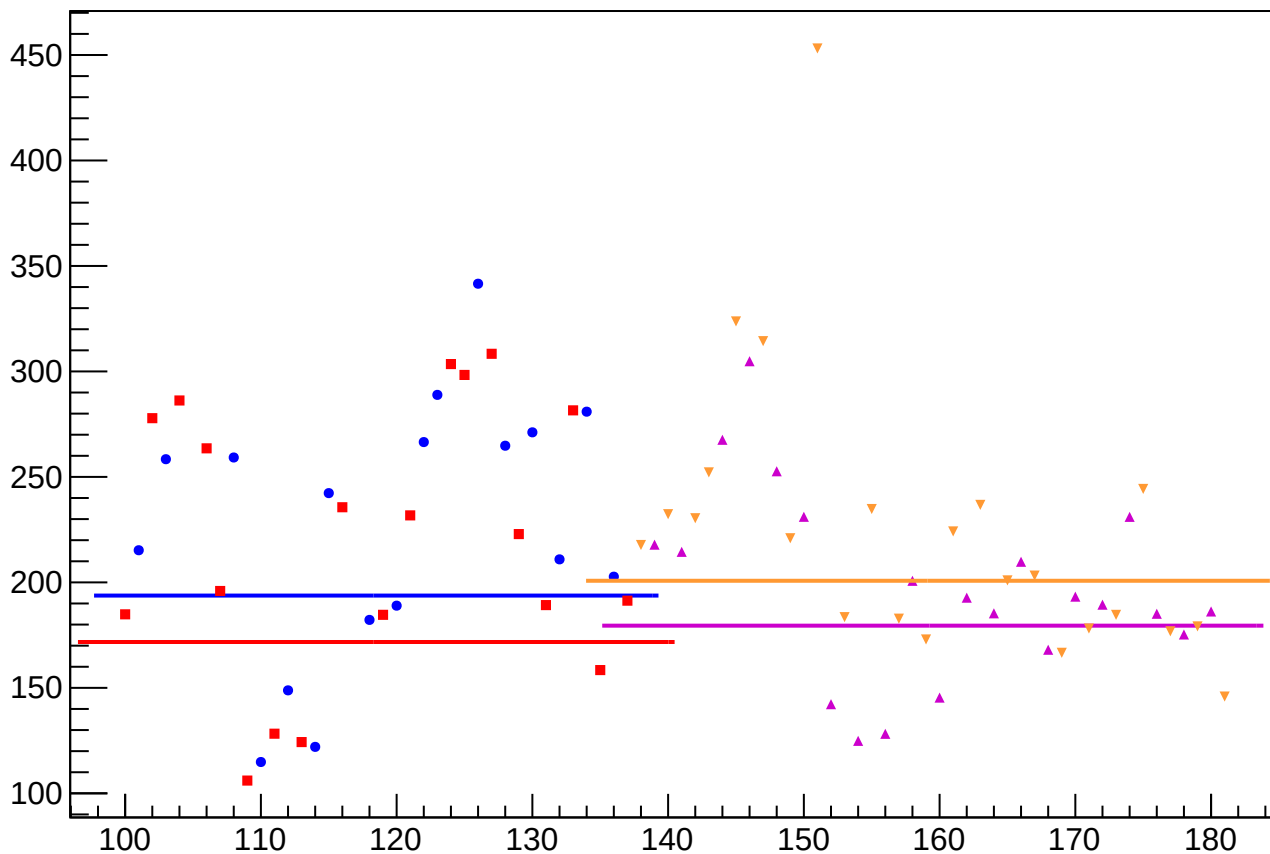
Left In: -31.859 ± 46.605 χ^2/NDF : 6.2/20

+ sign 12.637 ± 42.215 χ^2/NDF : 13.1/39

All: -6.382 ± 28.564 χ^2/NDF : 26.3/79

- sign -22.441 ± 38.792 χ^2/NDF : 12.8/39

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.749 $\pm$ 0.056 χ^2 /NDF: 1011115.2/16

Left Out: 200.766 $\pm$ 0.035 χ^2 /NDF: 1599784.1/22

Right Out: 171.741 $\pm$ 0.049 χ^2 /NDF: 1571422.7/18

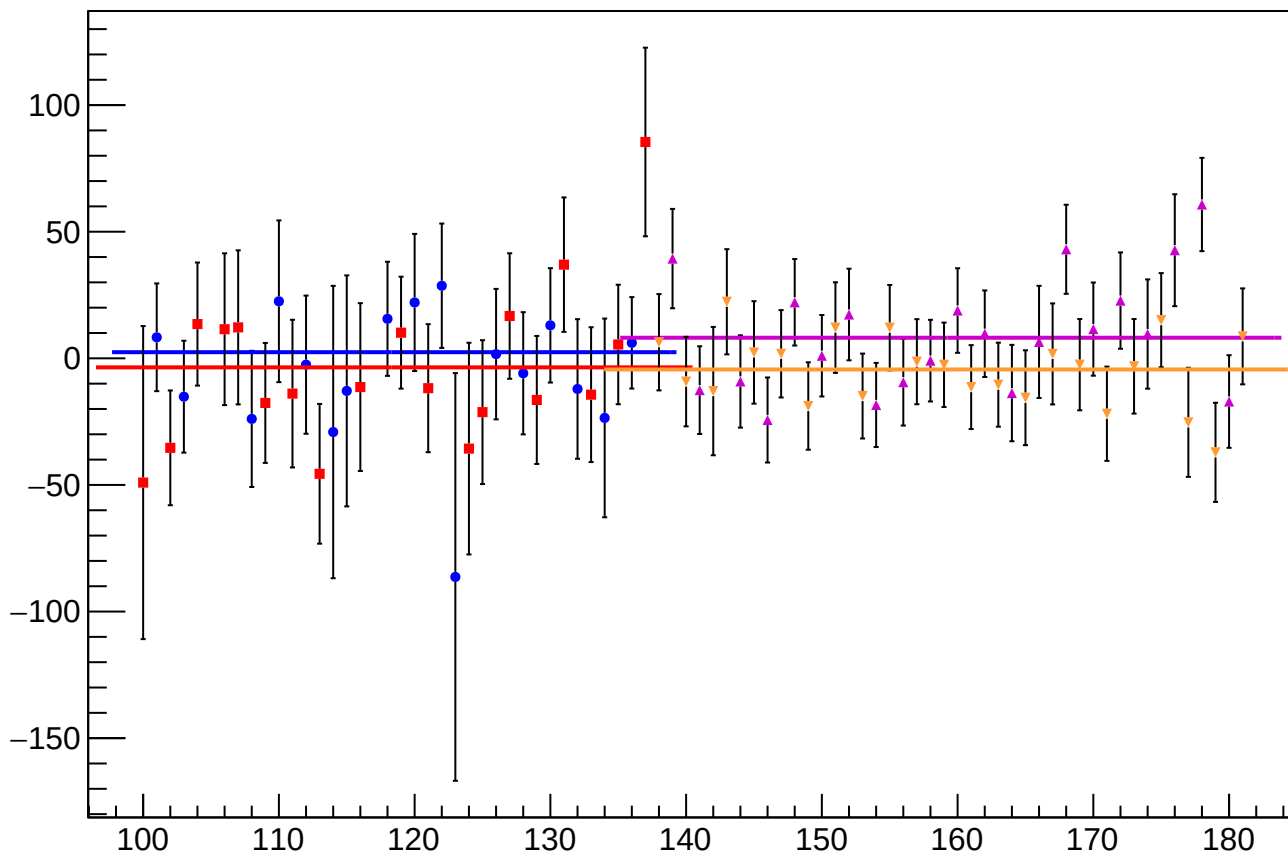
Left In: 179.485 $\pm$ 0.033 χ^2 /NDF: 1592629.2/20

+ sign 198.774 $\pm$ 0.030 χ^2 /NDF: 2622130.3/39

All: 187.026 $\pm$ 0.020 χ^2 /NDF: 6088824.0/79

- sign 177.106 $\pm$ 0.027 χ^2 /NDF: 3181013.6/39

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.423 ± 6.440 χ^2/NDF : 6.8/16

Left Out: -4.407 ± 3.828 χ^2/NDF : 12.3/22

Right Out: -3.569 ± 6.294 χ^2/NDF : 17.1/18

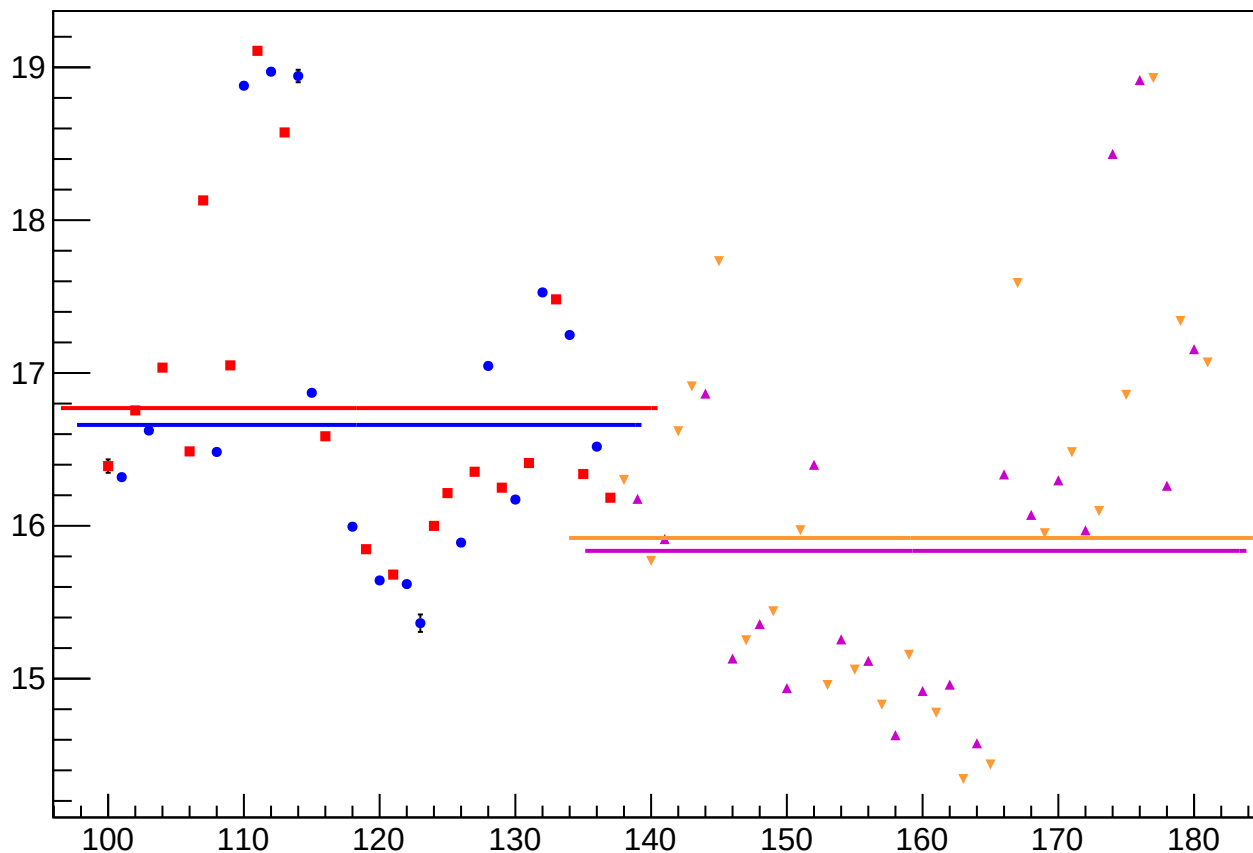
Left In: 8.130 ± 3.934 χ^2/NDF : 32.5/20

+ sign -2.624 ± 3.290 χ^2/NDF : 20.0/39

All: 1.058 ± 2.343 χ^2/NDF : 74.6/79

- sign 4.843 ± 3.336 χ^2/NDF : 52.1/39

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.660 ± 0.005 χ^2/NDF : 42269.4/16

Left Out: 15.921 ± 0.003 χ^2/NDF : 170130.0/22

Right Out: 16.770 ± 0.004 χ^2/NDF : 39259.2/18

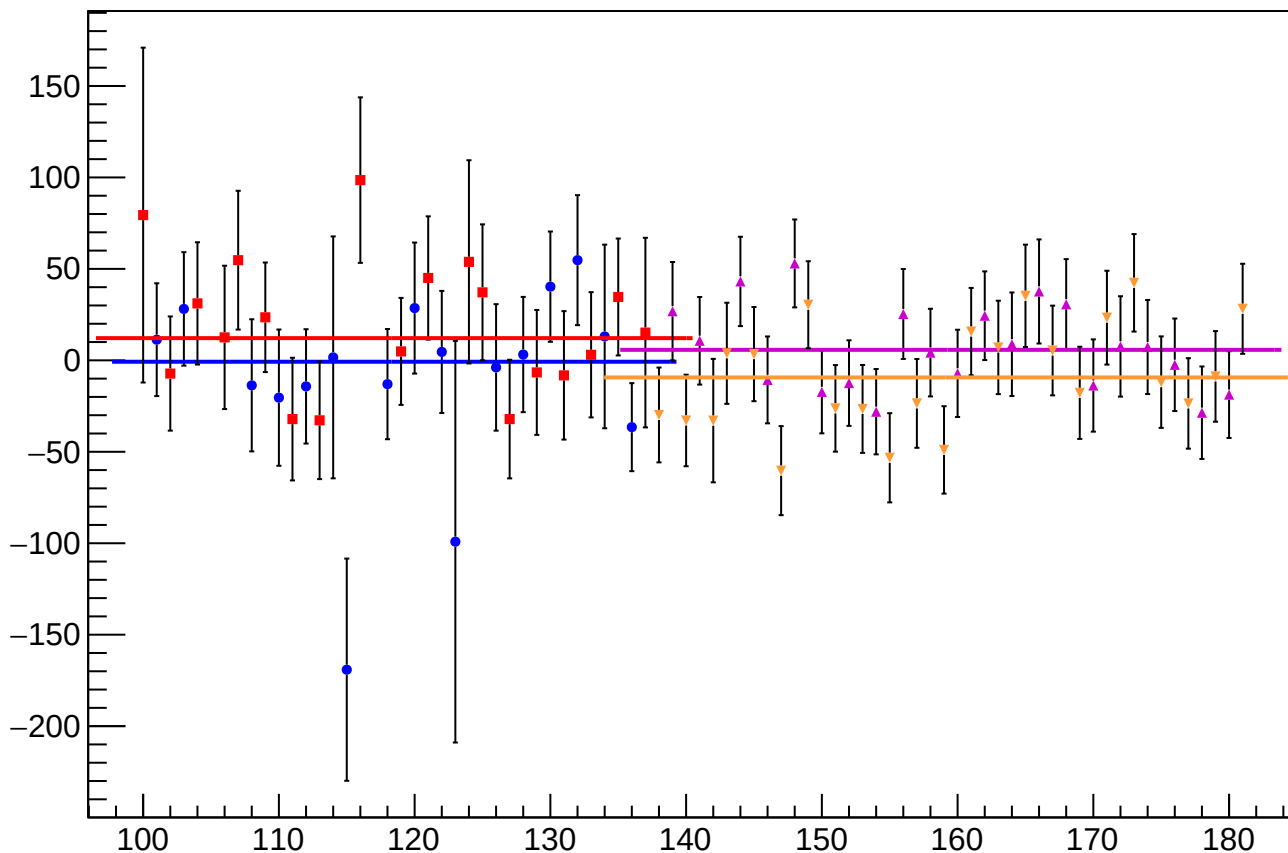
Left In: 15.836 ± 0.003 χ^2/NDF : 139555.8/20

+ sign 16.114 ± 0.002 χ^2/NDF : 231897.6/39

All: 16.106 ± 0.002 χ^2/NDF : 442413.4/79

- sign 16.099 ± 0.002 χ^2/NDF : 210495.3/39

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -0.764 ± 8.505 χ^2/NDF : 17.6/16

Left Out: -9.346 ± 5.261 χ^2/NDF : 29.6/22

Right Out: 12.135 ± 8.228 χ^2/NDF : 15.1/18

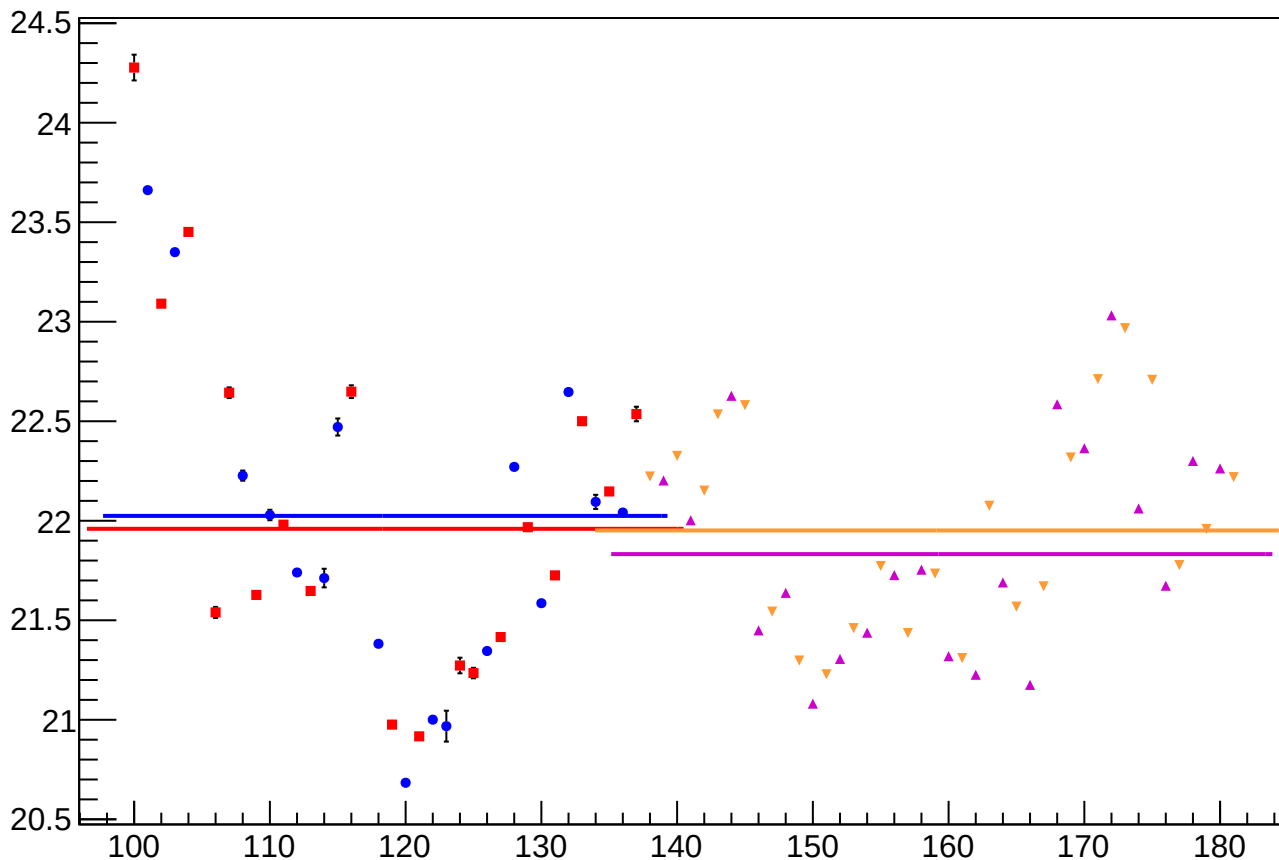
Left In: 5.742 ± 5.406 χ^2/NDF : 18.5/20

+ sign -6.971 ± 4.474 χ^2/NDF : 47.9/39

All: 0.277 ± 3.179 χ^2/NDF : 87.2/79

- sign 7.669 ± 4.518 χ^2/NDF : 34.0/39

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 22.024 $\pm$ 0.006 χ^2 /NDF: 17381.0/16

Left Out: 21.951 $\pm$ 0.004 χ^2 /NDF:18151.9/22

Right Out: 21.960 $\pm$ 0.006 χ^2 /NDF: 16383.4/18

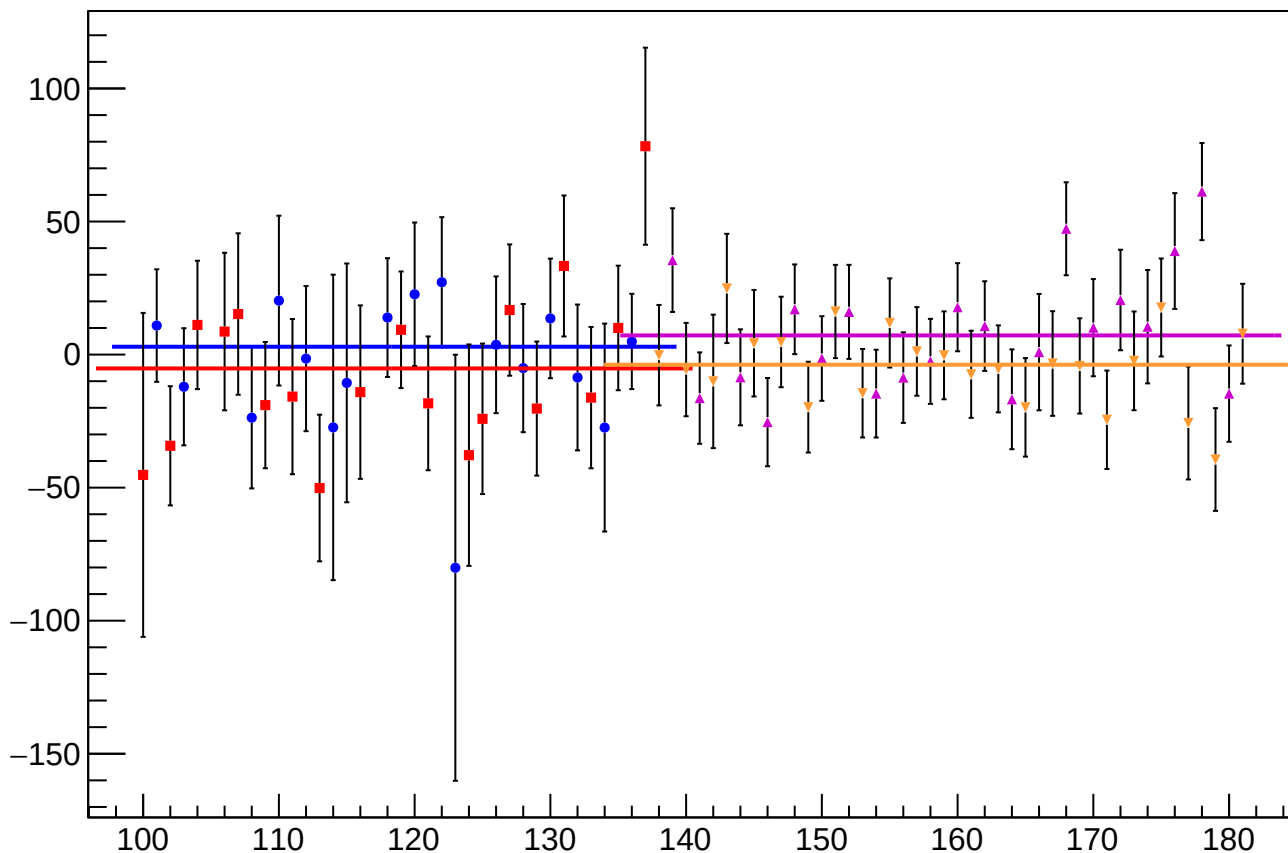
Left In: 21.832 $\pm$ 0.004 χ^2 /NDF:18540.5/20

+ sign 21.972 $\pm$ 0.003 χ^2 /NDF: 35639.7/39

All: 21.922 $\pm$ 0.002 χ^2 /NDF: 71399.8/79

- sign 21.871 $\pm$ 0.003 χ^2 /NDF: 35257.3/39

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.948 $\pm$ 6.404 χ^2 /NDF: 6.3/16

Left Out: -3.803 $\pm$ 3.786 χ^2 /NDF:14.4/22

Right Out: -5.199 $\pm$ 6.258 χ^2 /NDF: 17.2/18

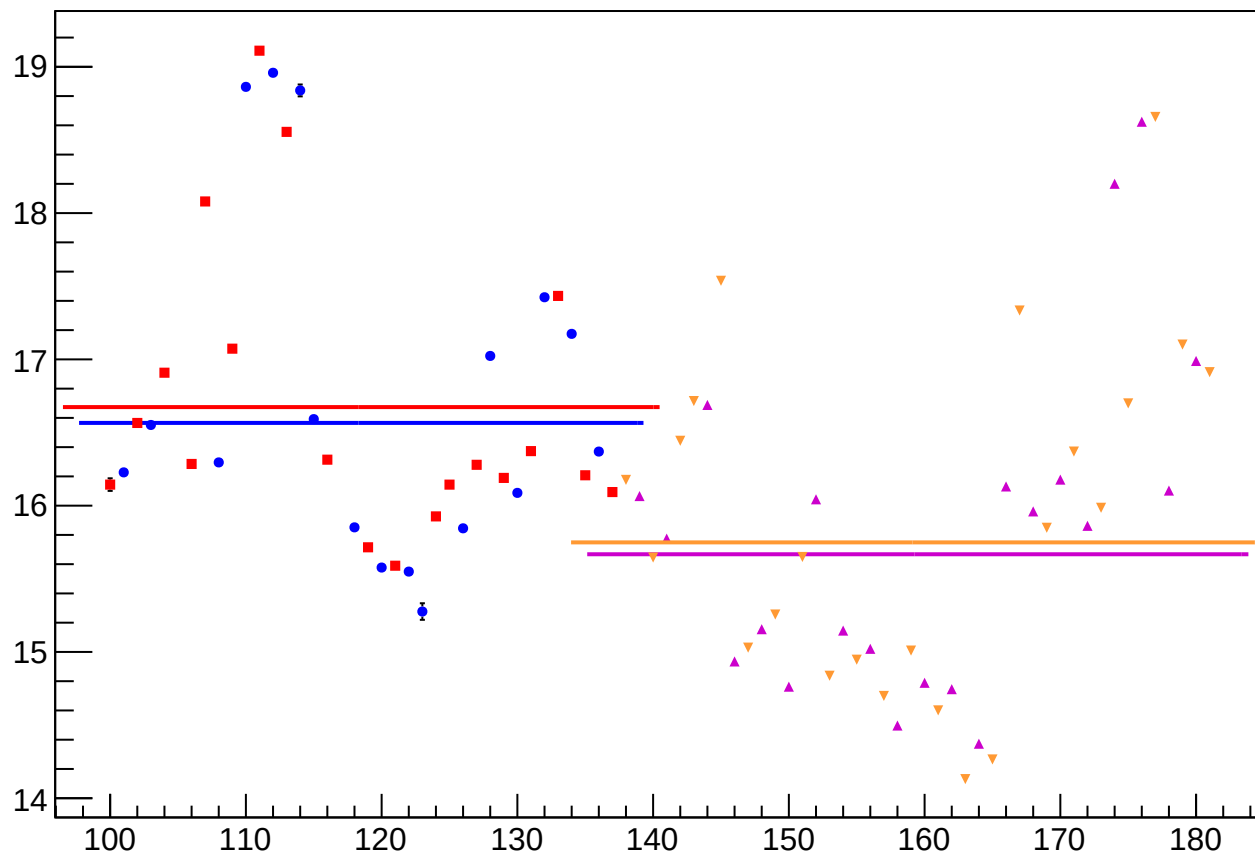
Left In: 7.200 $\pm$ 3.892 χ^2 /NDF:32.8/20

+ sign -2.054 $\pm$ 3.259 χ^2 /NDF: 21.5/39

All: 0.804 $\pm$ 2.321 χ^2 /NDF: 75.9/79

- sign 3.742 $\pm$ 3.305 χ^2 /NDF: 52.8/39

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.566 $\pm$ 0.005 χ^2 /NDF: 44242.8/16

Left Out: 15.749 $\pm$ 0.003 χ^2 /NDF: 169238.4/22

Right Out: 16.674 $\pm$ 0.004 χ^2 /NDF: 42453.5/18

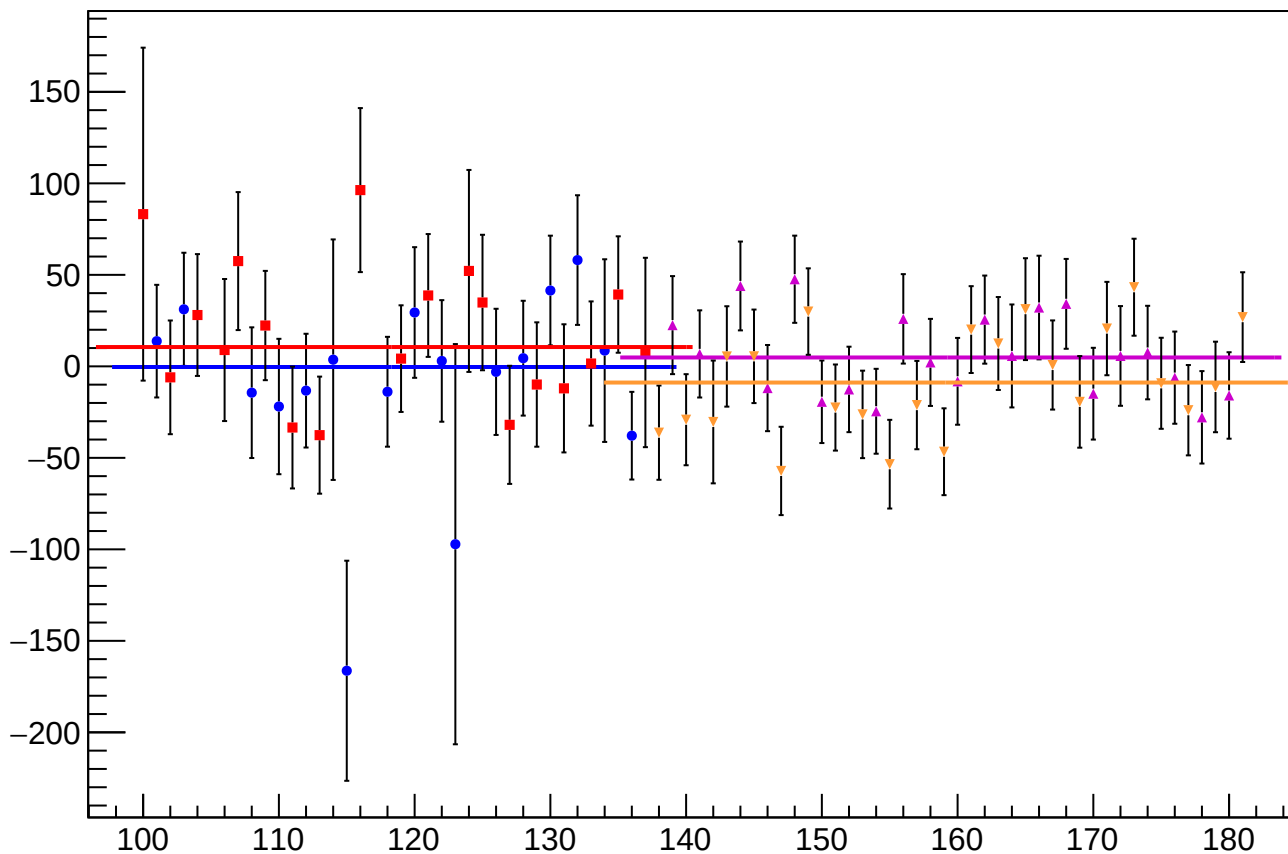
Left In: 15.668 $\pm$ 0.003 χ^2 /NDF: 137508.3/20

+ sign 15.961 $\pm$ 0.002 χ^2 /NDF: 237590.1/39

All: 15.954 $\pm$ 0.002 χ^2 /NDF: 454838.8/79

- sign 15.948 $\pm$ 0.002 χ^2 /NDF: 217234.9/39

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -0.358 ± 8.465 χ^2/NDF : 18.4/16

Left Out: -8.851 ± 5.231 χ^2/NDF : 28.9/22

Right Out: 10.548 ± 8.187 χ^2/NDF : 15.7/18

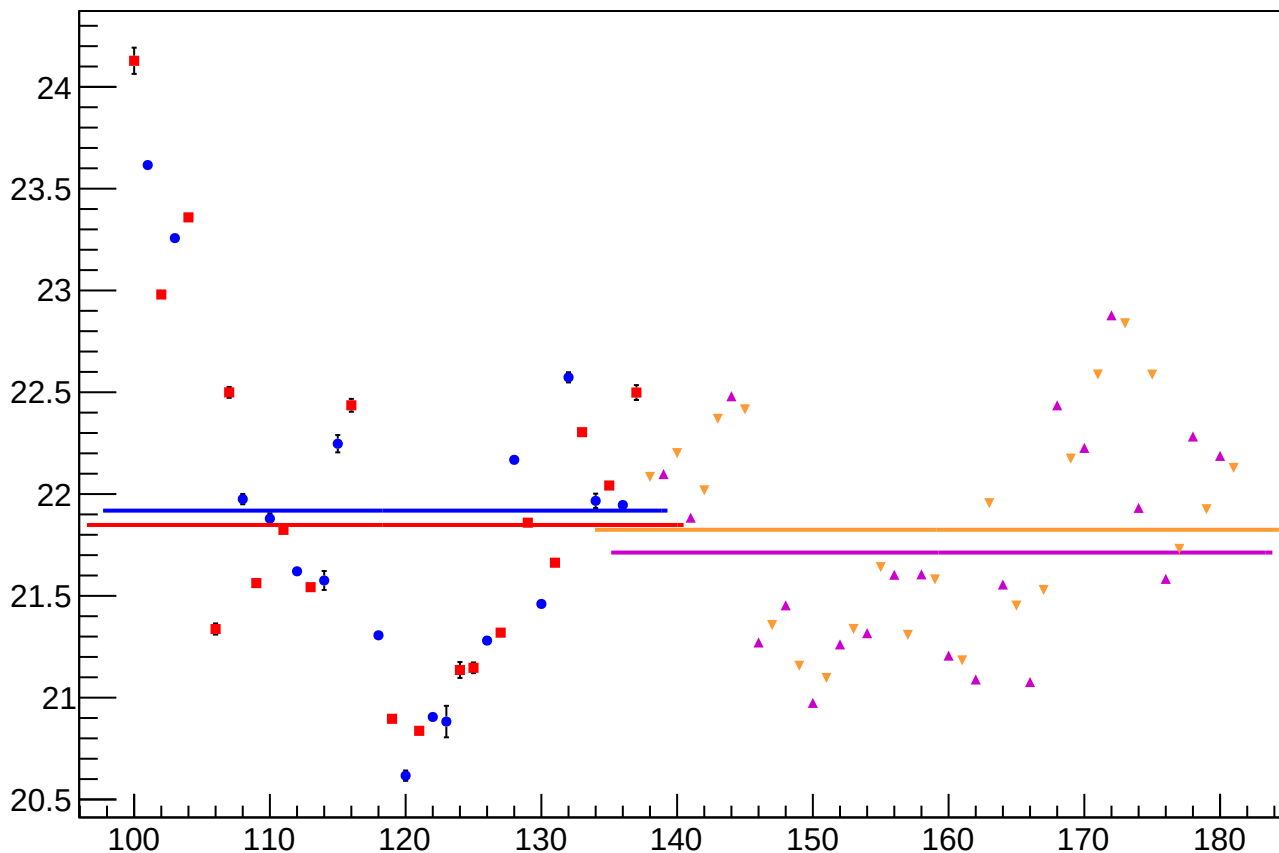
Left In: 4.850 ± 5.376 χ^2/NDF : 17.5/20

+ sign -6.504 ± 4.450 χ^2/NDF : 48.0/39

All: -0.033 ± 3.162 χ^2/NDF : 85.9/79

- sign 6.567 ± 4.494 χ^2/NDF : 33.6/39

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.919+/-0.006 χ^2/NDF : 17641.8/16

Left Out: 21.825+/-0.004 χ^2/NDF : 18445.3/22

Right Out: 21.848+/-0.006 χ^2/NDF : 16031.9/18

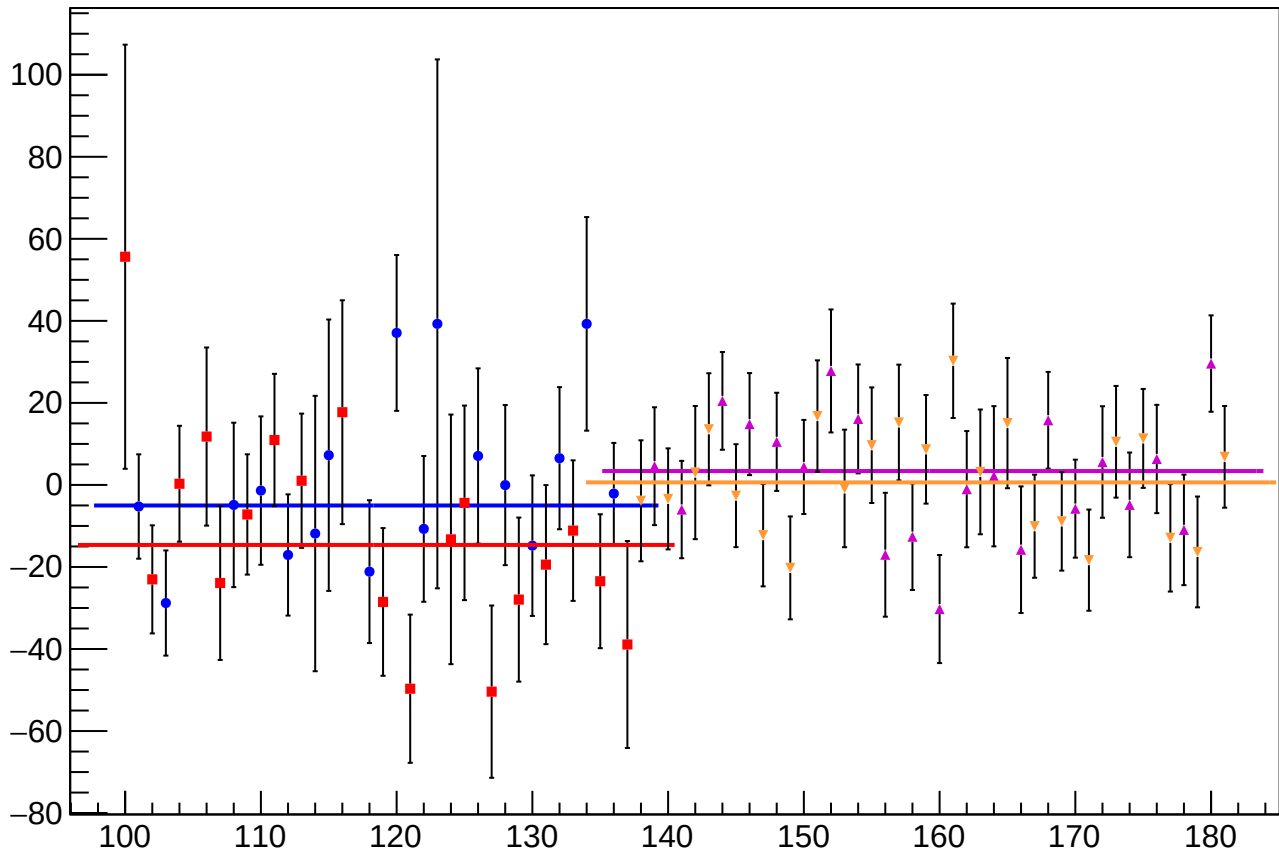
Left In: 21.713+/-0.004 χ^2/NDF : 18596.1/20

+ sign 21.851+/-0.003 χ^2/NDF : 36265.7/39

All: 21.803+/-0.002 χ^2/NDF : 71747.3/79

- sign 21.754+/-0.003 χ^2/NDF : 35010.3/39

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.010 ± 4.334 χ^2/NDF : 14.8/16

Left Out: 0.621 ± 2.786 χ^2/NDF : 21.6/22

Right Out: -14.630 ± 4.270 χ^2/NDF : 19.4/18

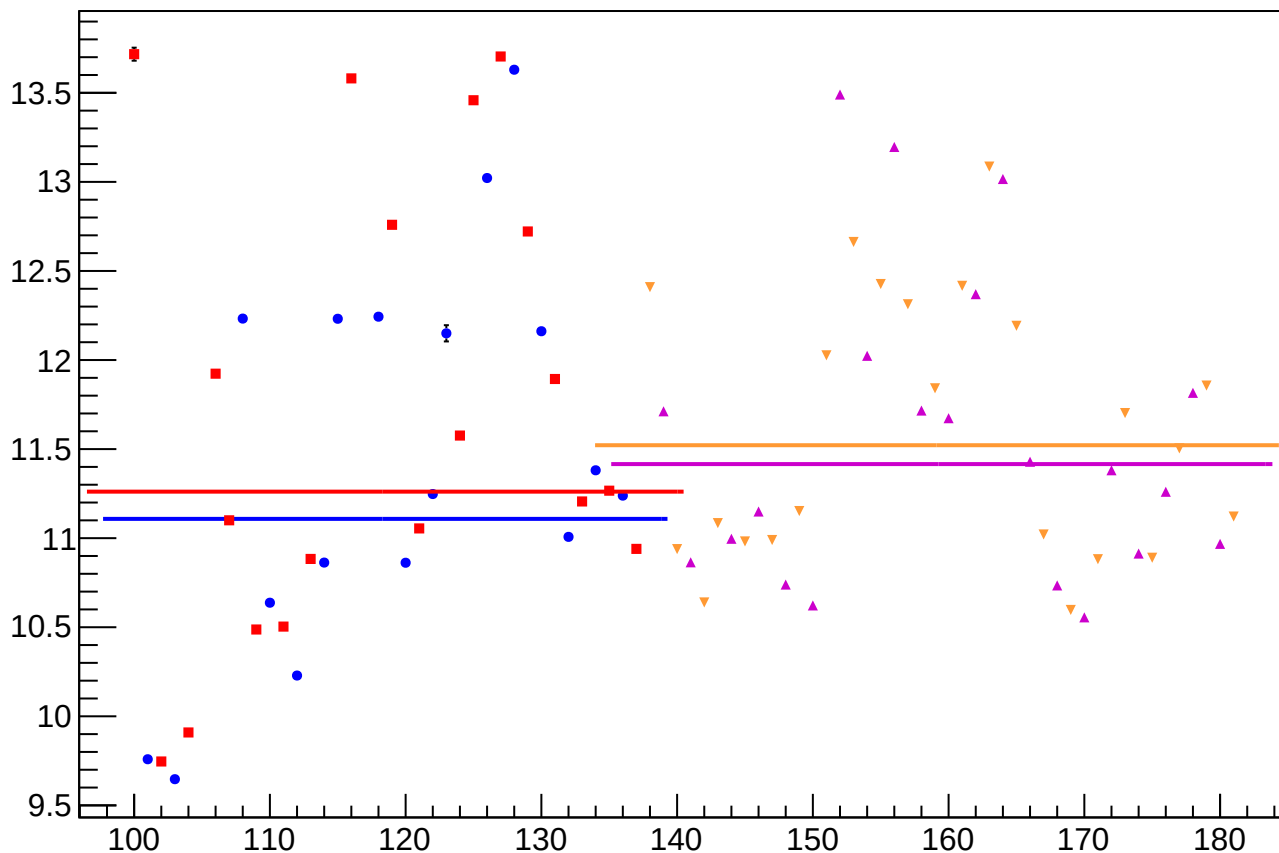
Left In: 3.389 ± 2.851 χ^2/NDF : 27.3/20

+ sign -1.025 ± 2.343 χ^2/NDF : 37.5/39

All: -1.589 ± 1.667 χ^2/NDF : 96.6/79

- sign -2.166 ± 2.371 χ^2/NDF : 59.0/39

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.108 $\pm$ 0.003 χ^2 /NDF: 132594.7/16

Left Out: 11.522 $\pm$ 0.002 χ^2 /NDF: 122457.1/22

Right Out: 11.261 $\pm$ 0.003 χ^2 /NDF: 148448.6/18

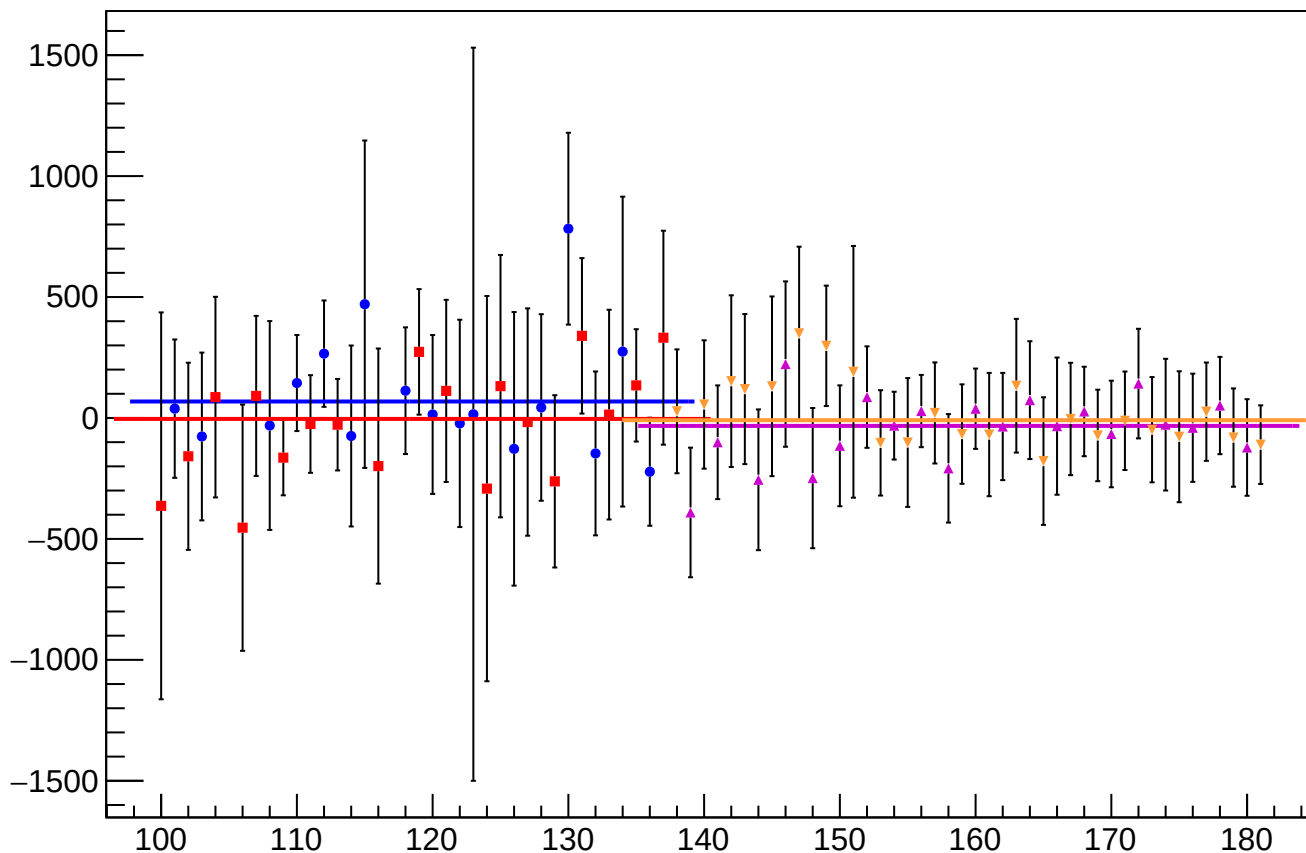
Left In: 11.416 $\pm$ 0.002 χ^2 /NDF: 148335.3/20

+ sign 11.401 $\pm$ 0.002 χ^2 /NDF: 267933.8/39

All: 11.385 $\pm$ 0.001 χ^2 /NDF: 566725.2/79

- sign 11.368 $\pm$ 0.002 χ^2 /NDF: 298599.0/39

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 68.114+/-79.449 χ^2/NDF : 7.4/16

Left Out: -9.238+/-50.068 χ^2/NDF : 5.2/22

Right Out: -3.876+/-70.195 χ^2/NDF : 6.5/18

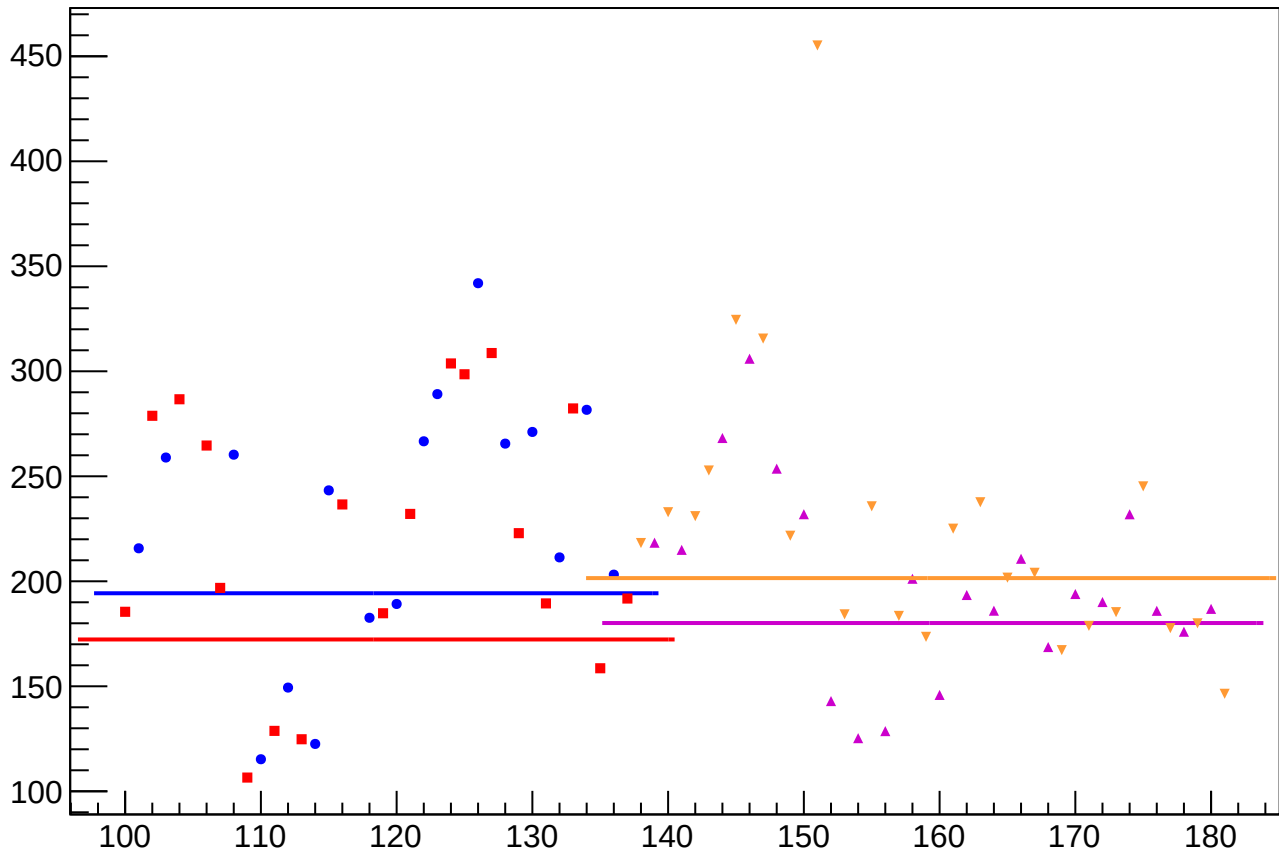
Left In: -32.724+/-46.769 χ^2/NDF : 6.3/20

+ sign 12.750+/-42.359 χ^2/NDF : 13.2/39

All: -7.098+/-28.660 χ^2/NDF : 26.5/79

- sign -23.855+/-38.921 χ^2/NDF : 12.9/39

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.298 $\pm$ 0.056 χ^2 /NDF: 1006214.8/16

Left Out: 201.515 $\pm$ 0.035 χ^2 /NDF:1597303.3/22

Right Out: 172.293 $\pm$ 0.050 χ^2 /NDF: 1564135.2/18

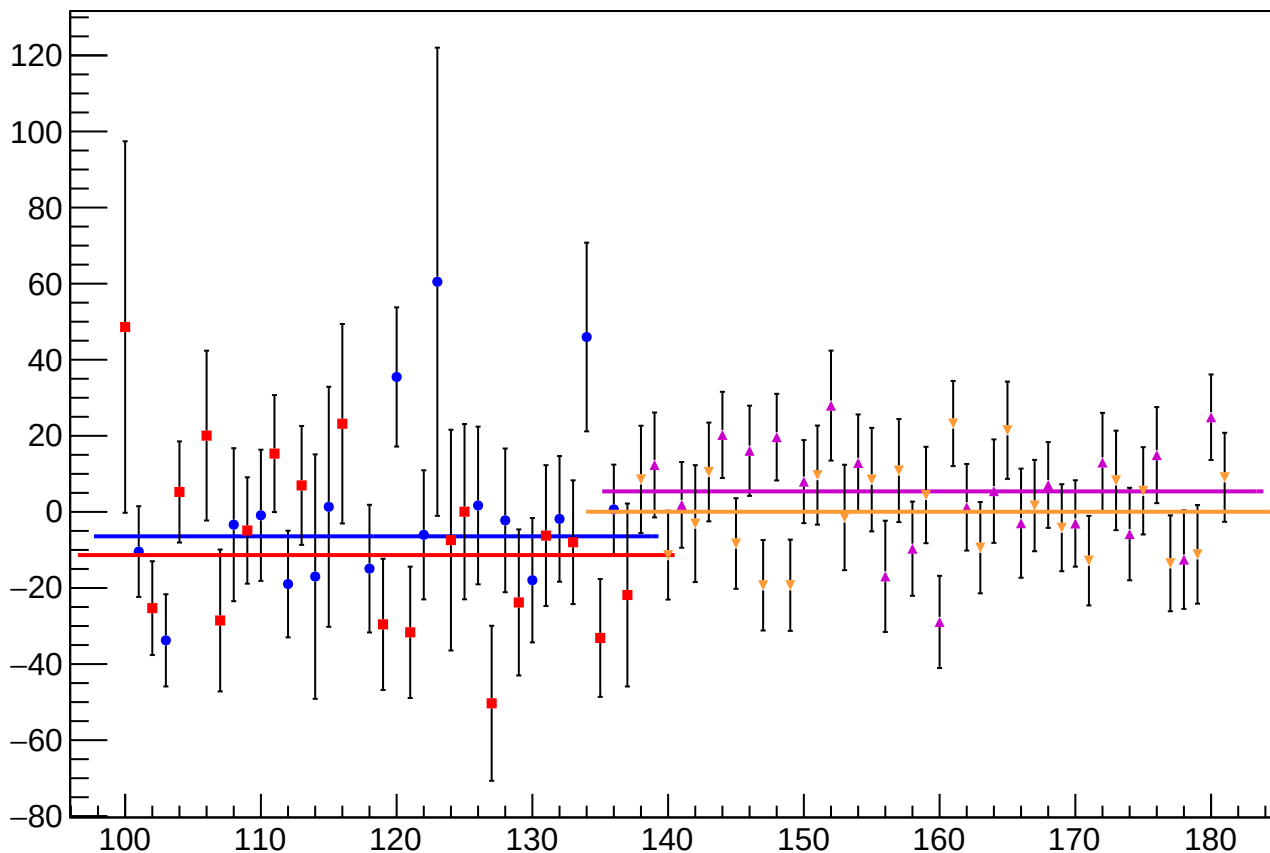
Left In: 180.124 $\pm$ 0.033 χ^2 /NDF:1590923.2/20

+ sign 199.464 $\pm$ 0.030 χ^2 /NDF: 2615331.5/39

All: 187.672 $\pm$ 0.020 χ^2 /NDF: 6073469.9/79

- sign 177.716 $\pm$ 0.028 χ^2 /NDF: 3172297.9/39

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.419 ± 4.138 χ^2/NDF : 18.6/16

Left Out: 0.040 ± 2.603 χ^2/NDF : 21.6/22

Right Out: -11.351 ± 4.084 χ^2/NDF : 22.6/18

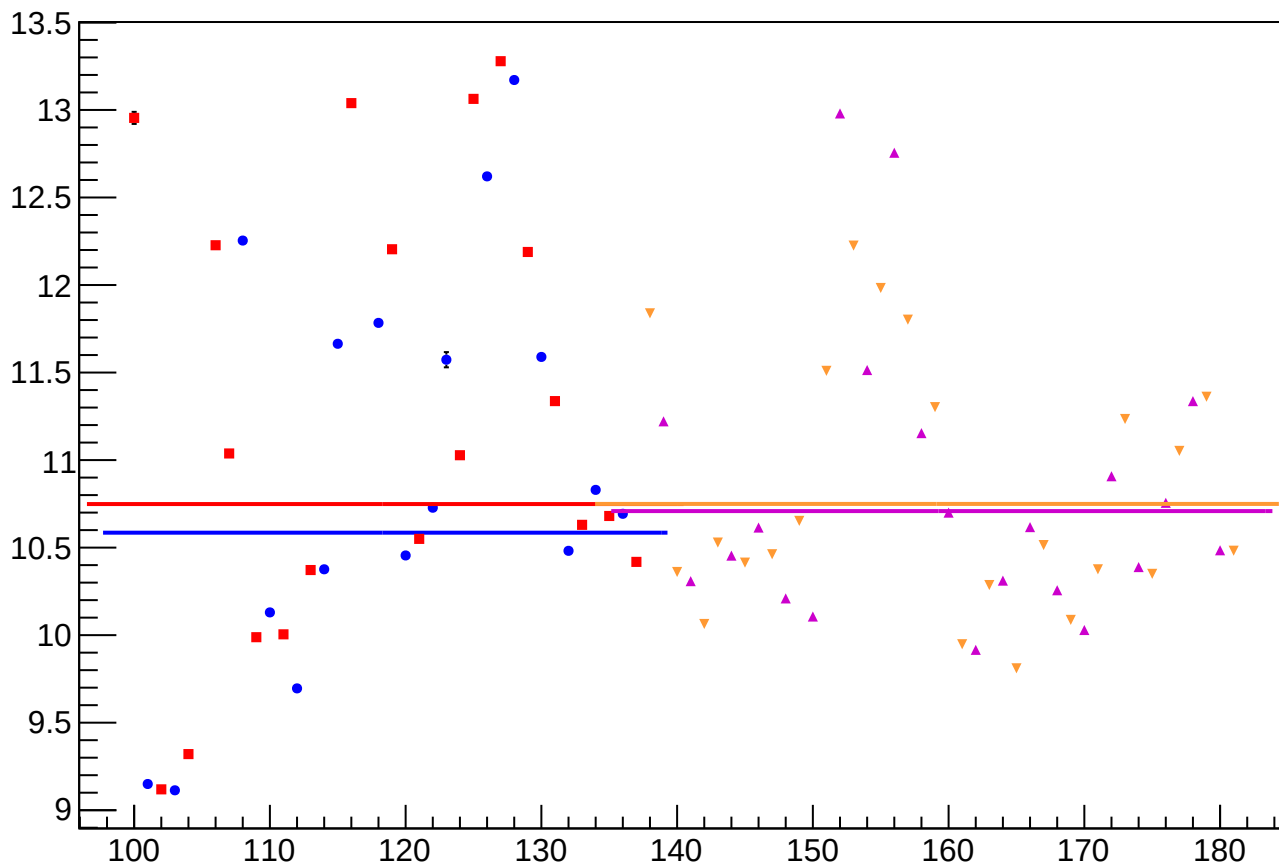
Left In: 5.396 ± 2.677 χ^2/NDF : 26.8/20

+ sign -1.791 ± 2.203 χ^2/NDF : 42.0/39

All: -0.732 ± 1.571 χ^2/NDF : 103.7/79

- sign 0.362 ± 2.239 χ^2/NDF : 61.2/39

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.585 ± 0.003 χ^2/NDF : 159813.8/16

Left Out: 10.750 ± 0.002 χ^2/NDF : 128730.6/22

Right Out: 10.749 ± 0.003 χ^2/NDF : 177905.9/18

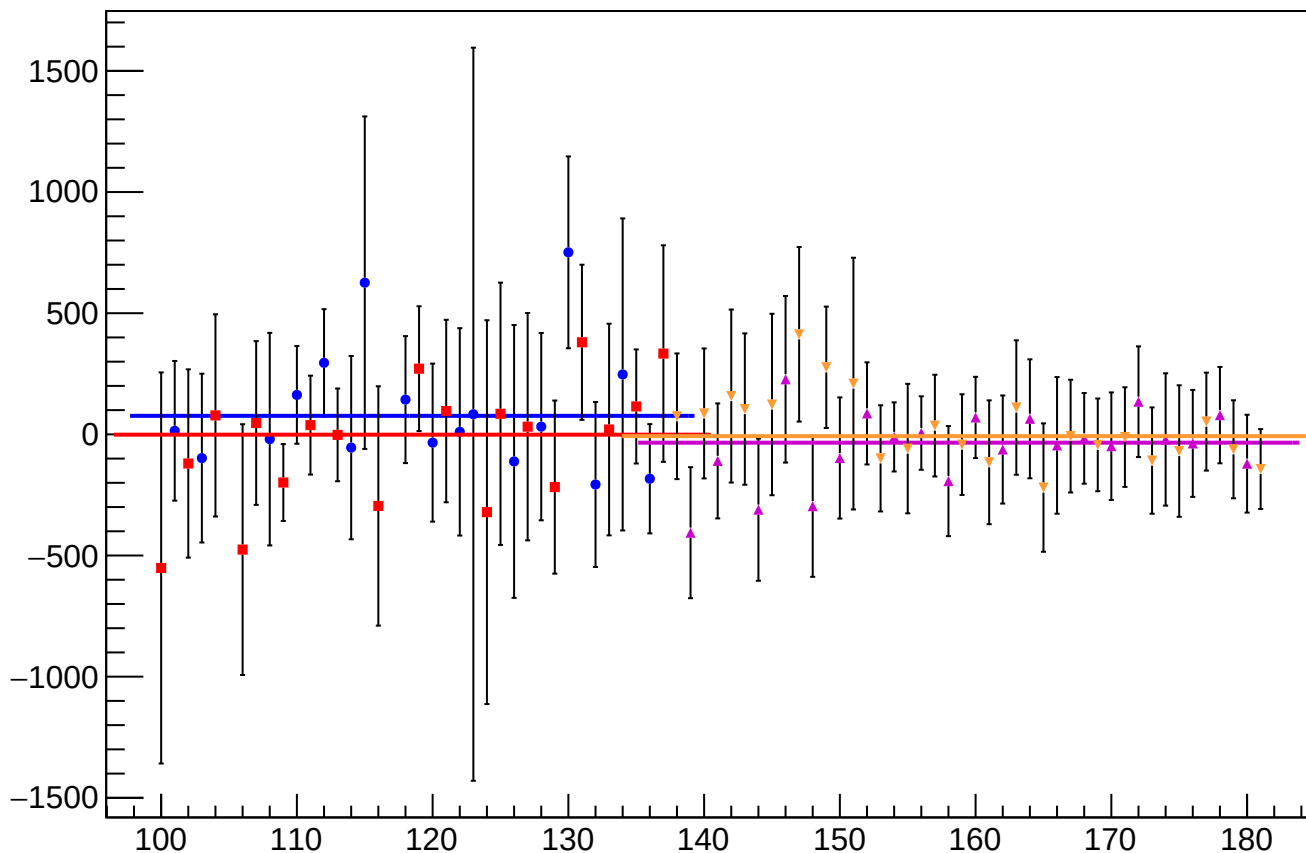
Left In: 10.709 ± 0.002 χ^2/NDF : 144746.4/20

+ sign 10.703 ± 0.002 χ^2/NDF : 290801.3/39

All: 10.712 ± 0.001 χ^2/NDF : 613652.8/79

- sign 10.721 ± 0.002 χ^2/NDF : 322787.8/39

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 76.396 $\pm$ 79.969 χ^2 /NDF: 7.6/16

Left Out: -7.324 $\pm$ 50.368 χ^2 /NDF: 5.9/22

Right Out: -1.355 $\pm$ 70.867 χ^2 /NDF: 7.4/18

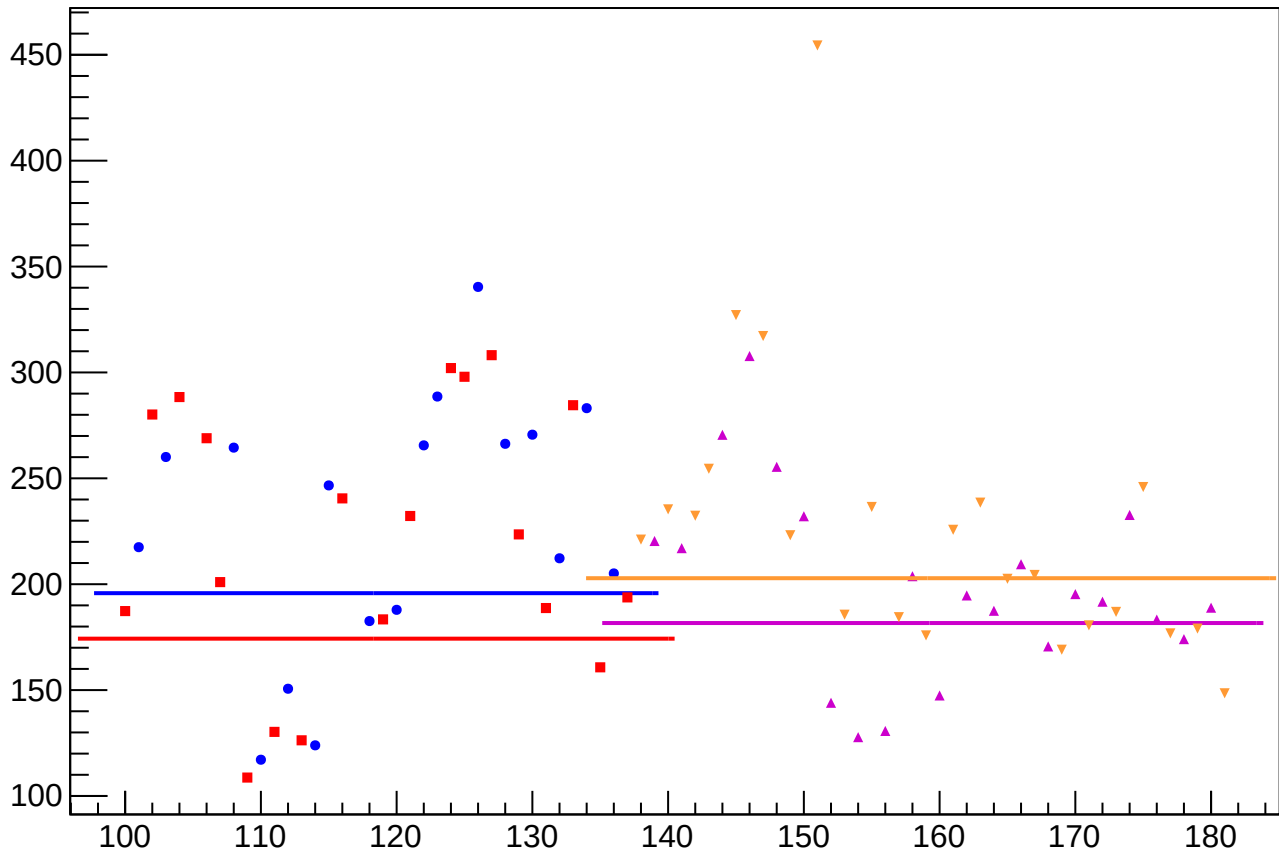
Left In: -34.370 $\pm$ 47.120 χ^2 /NDF: 6.9/20

+ sign 16.455 $\pm$ 42.619 χ^2 /NDF: 14.3/39

All: -5.575 $\pm$ 28.867 χ^2 /NDF: 29.2/79

- sign -24.249 $\pm$ 39.238 χ^2 /NDF: 14.4/39

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.766 $\pm$ 0.057 χ^2 /NDF: 980914.1/16

Left Out: 202.834 $\pm$ 0.036 χ^2 /NDF:1579381.5/22

Right Out: 174.286 $\pm$ 0.050 χ^2 /NDF: 1523733.5/18

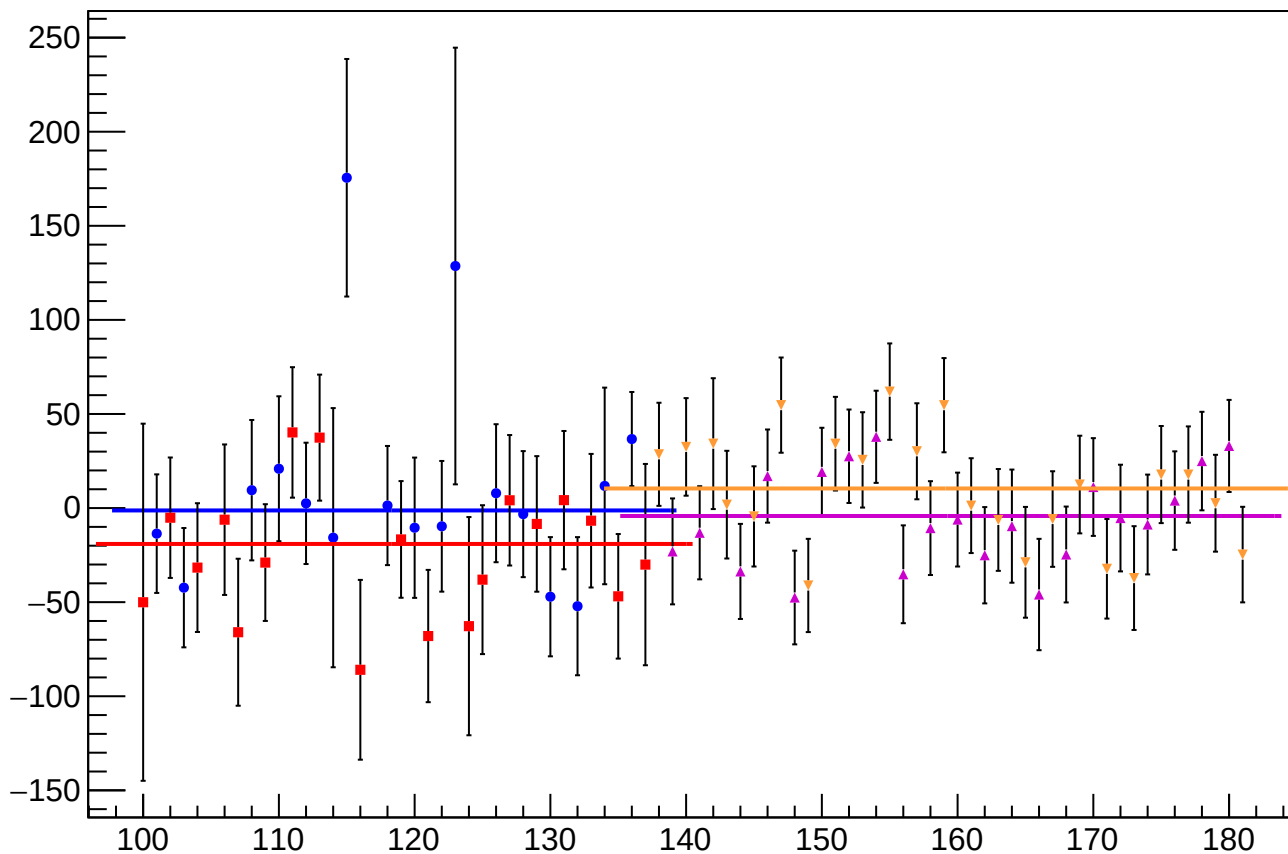
Left In: 181.666 $\pm$ 0.033 χ^2 /NDF:1545490.4/20

+ sign 200.826 $\pm$ 0.030 χ^2 /NDF: 2571482.8/39

All: 189.232 $\pm$ 0.020 χ^2 /NDF: 5929261.6/79

- sign 179.403 $\pm$ 0.028 χ^2 /NDF: 3084263.3/39

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -1.260 ± 8.846 $\chi^2/\text{NDF}: 18.0/16$

Left Out: 10.413 ± 5.483 $\chi^2/\text{NDF}: 28.9/22$

Right Out: -19.071 ± 8.572 $\chi^2/\text{NDF}: 14.4/18$

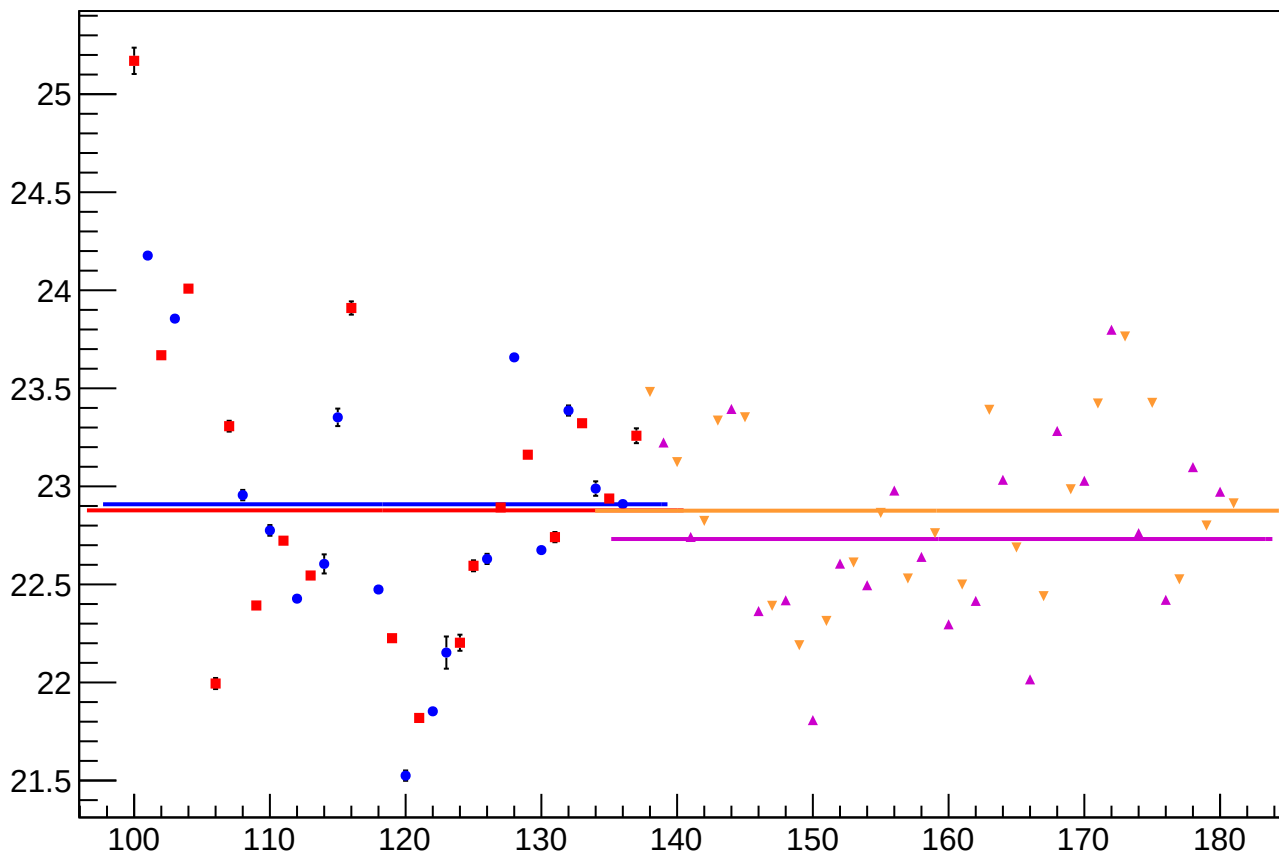
Left In: -4.209 ± 5.629 $\chi^2/\text{NDF}: 20.1/20$

+ sign 7.173 ± 4.660 $\chi^2/\text{NDF}: 48.2/39$

All: -0.681 ± 3.311 $\chi^2/\text{NDF}: 90.5/79$

- sign -8.686 ± 4.705 $\chi^2/\text{NDF}: 36.6/39$

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.909 ± 0.006 $\chi^2/\text{NDF}: 12270.5/16$

Left Out: 22.876 ± 0.004 $\chi^2/\text{NDF}: 12345.9/22$

Right Out: 22.878 ± 0.006 $\chi^2/\text{NDF}: 11094.4/18$

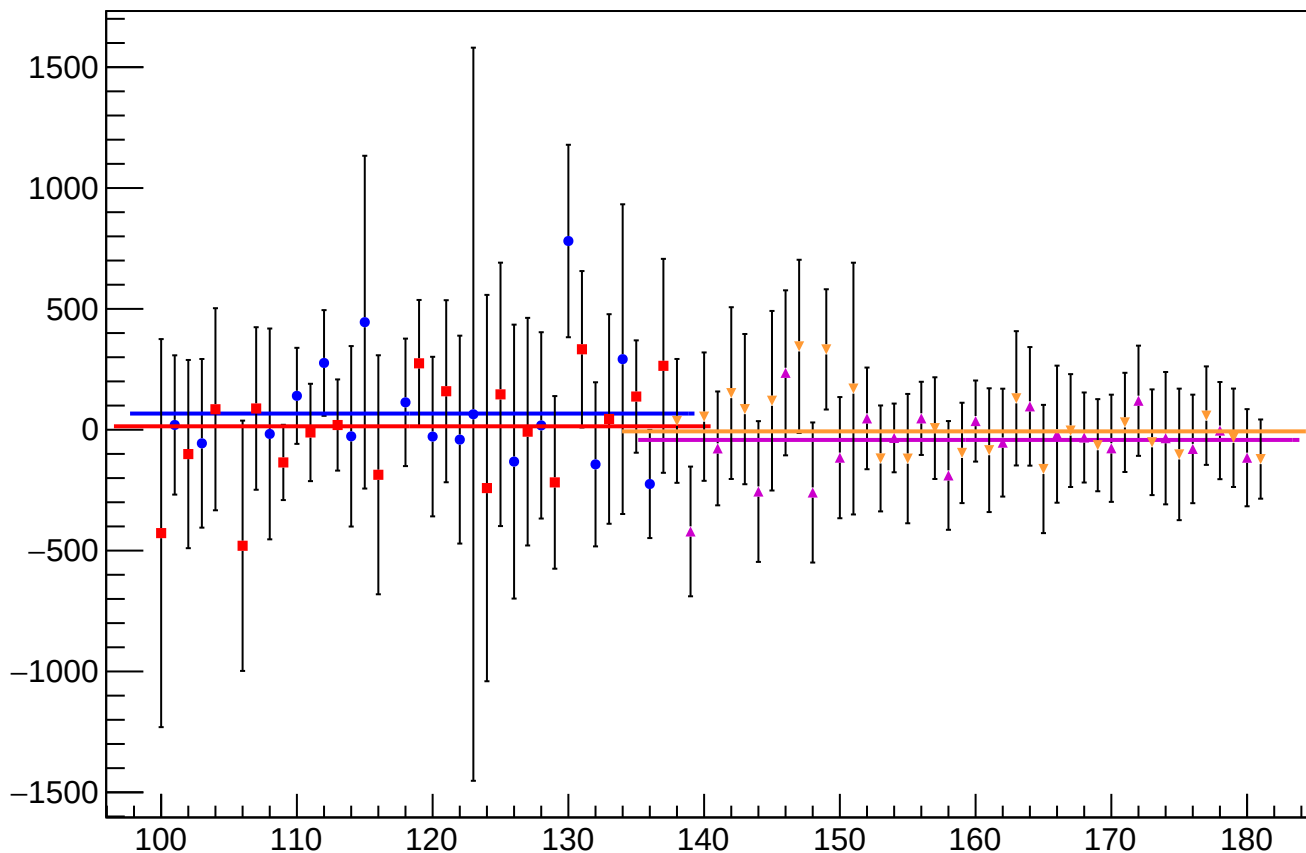
Left In: 22.732 ± 0.004 $\chi^2/\text{NDF}: 13477.7/20$

+ sign 22.885 ± 0.003 $\chi^2/\text{NDF}: 24636.0/39$

All: 22.831 ± 0.002 $\chi^2/\text{NDF}: 50161.6/79$

- sign 22.776 ± 0.003 $\chi^2/\text{NDF}: 24978.3/39$

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 66.962 $\pm$ 79.625 χ^2 /NDF: 7.3/16

Left Out: -6.659 $\pm$ 50.307 χ^2 /NDF: 5.6/22

Right Out: 14.253 $\pm$ 70.367 χ^2 /NDF: 5.8/18

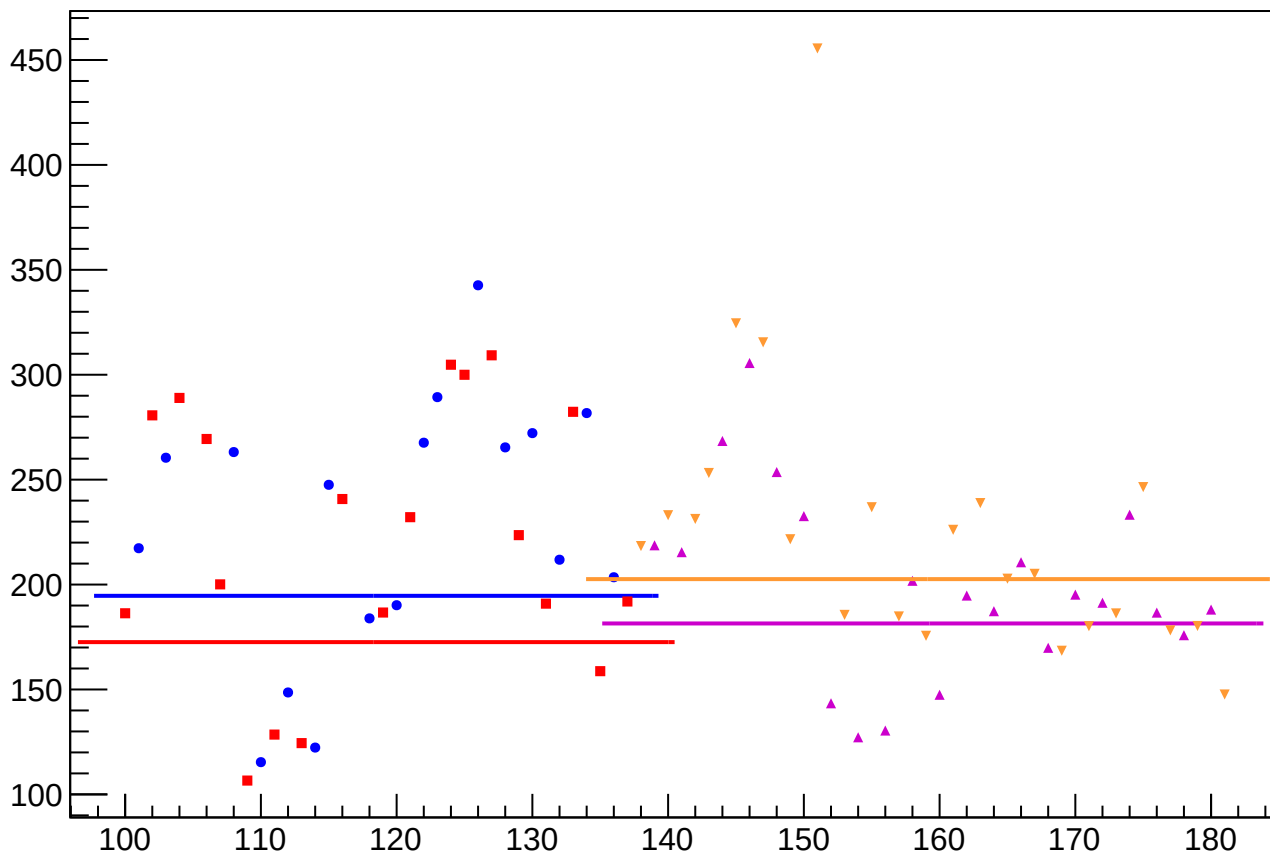
Left In: -42.167 $\pm$ 47.069 χ^2 /NDF: 6.1/20

+ sign 14.345 $\pm$ 42.530 χ^2 /NDF: 13.6/39

All: -6.818 $\pm$ 28.794 χ^2 /NDF: 26.4/79

- sign -24.726 $\pm$ 39.123 χ^2 /NDF: 12.3/39

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.633+/-0.056 χ^2/NDF : 1020982.9/16

Left Out: 202.594+/-0.036 χ^2/NDF :1570500.7/22

Right Out: 172.571+/-0.050 χ^2/NDF : 1591230.2/18

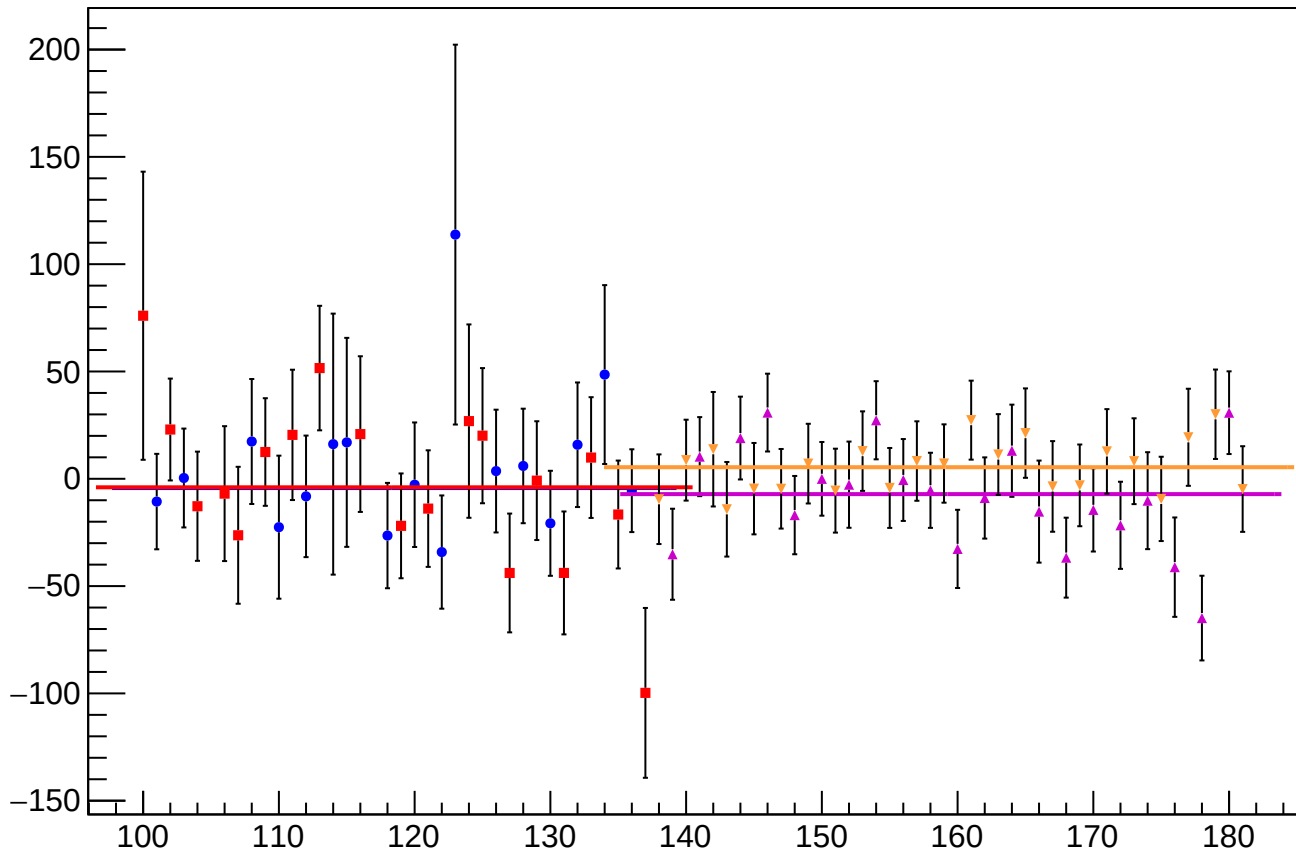
Left In: 181.463+/-0.033 χ^2/NDF :1537718.5/20

+ sign 200.322+/-0.030 χ^2/NDF : 2605770.6/39

All: 188.618+/-0.020 χ^2/NDF : 6036426.9/79

- sign 178.714+/-0.028 χ^2/NDF : 3151013.5/39

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.314 ± 6.887 χ^2/NDF : 7.9/16

Left Out: 5.395 ± 4.136 χ^2/NDF : 8.0/22

Right Out: -3.970 ± 6.740 χ^2/NDF : 20.7/18

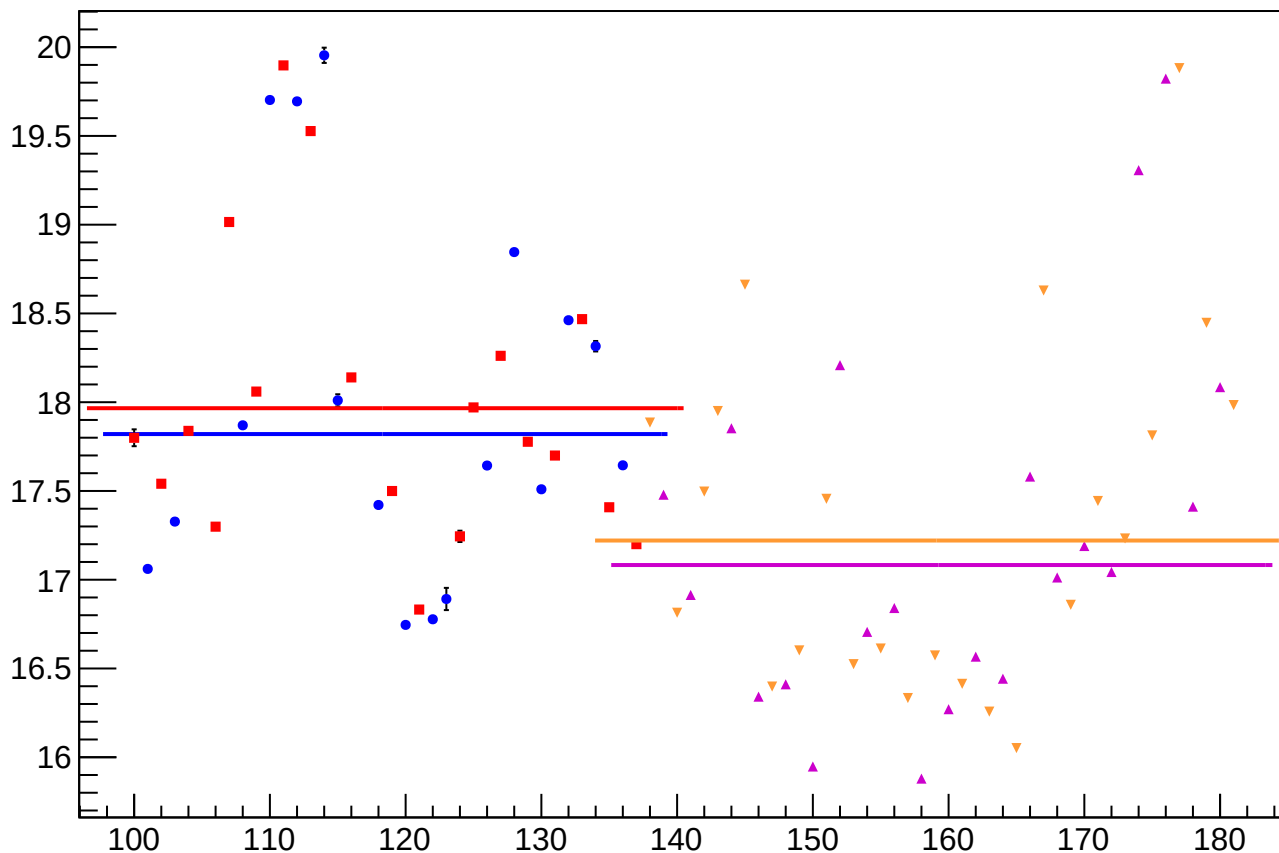
Left In: -7.142 ± 4.241 χ^2/NDF : 33.9/20

+ sign 2.821 ± 3.546 χ^2/NDF : 17.4/39

All: -1.656 ± 2.523 χ^2/NDF : 75.3/79

- sign -6.242 ± 3.589 χ^2/NDF : 54.7/39

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.821 $\pm$ 0.005 χ^2 /NDF: 32283.6/16

Left Out: 17.221 $\pm$ 0.003 χ^2 /NDF: 97675.9/22

Right Out: 17.966 $\pm$ 0.005 χ^2 /NDF: 25320.4/18

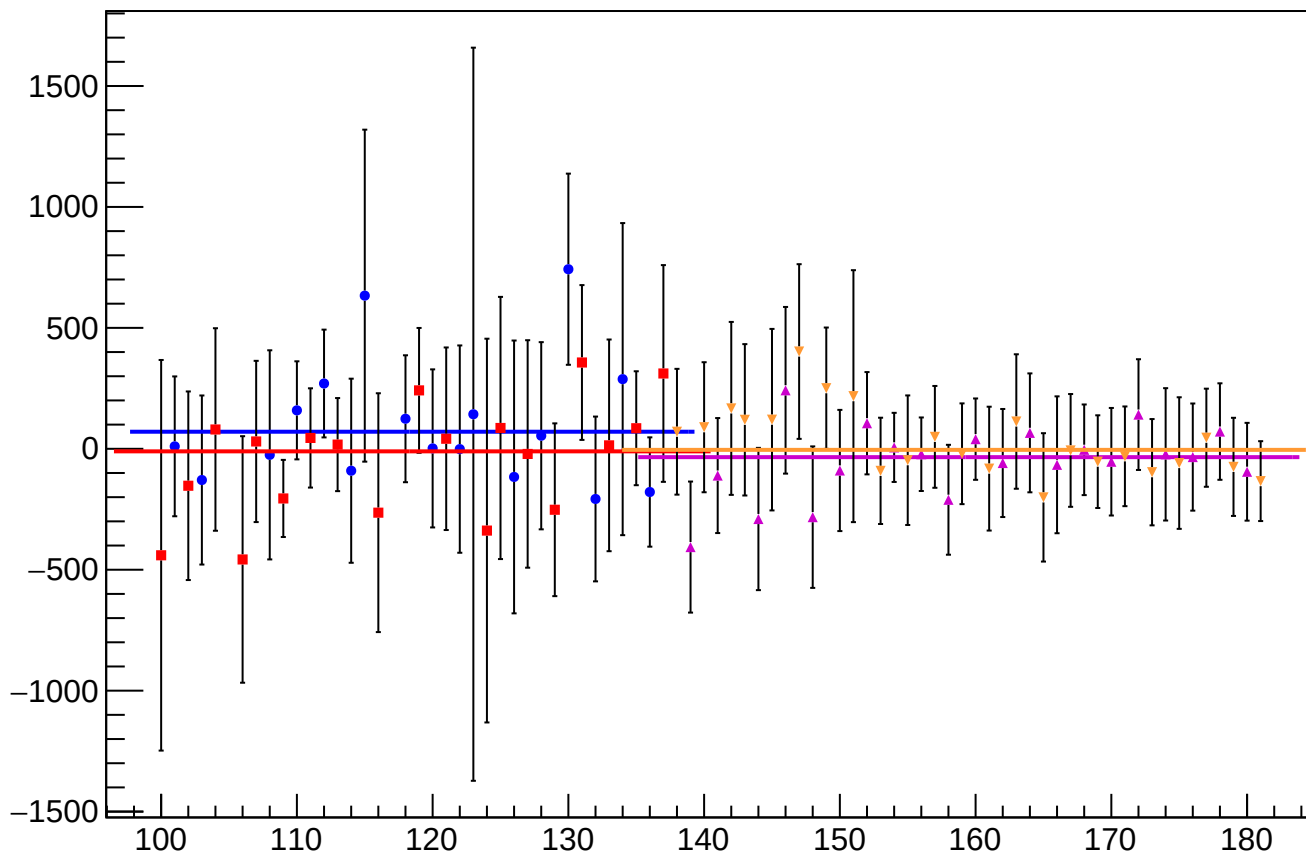
Left In: 17.083 $\pm$ 0.003 χ^2 /NDF: 97349.6/20

+ sign 17.380 $\pm$ 0.003 χ^2 /NDF: 141105.7/39

All: 17.357 $\pm$ 0.002 χ^2 /NDF: 288558.5/79

- sign 17.333 $\pm$ 0.003 χ^2 /NDF: 147282.7/39

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 70.603+/-80.168 χ^2/NDF : 7.4/16

Left Out: -4.399+/-50.484 χ^2/NDF : 5.3/22

Right Out: -10.558+/-71.025 χ^2/NDF : 6.7/18

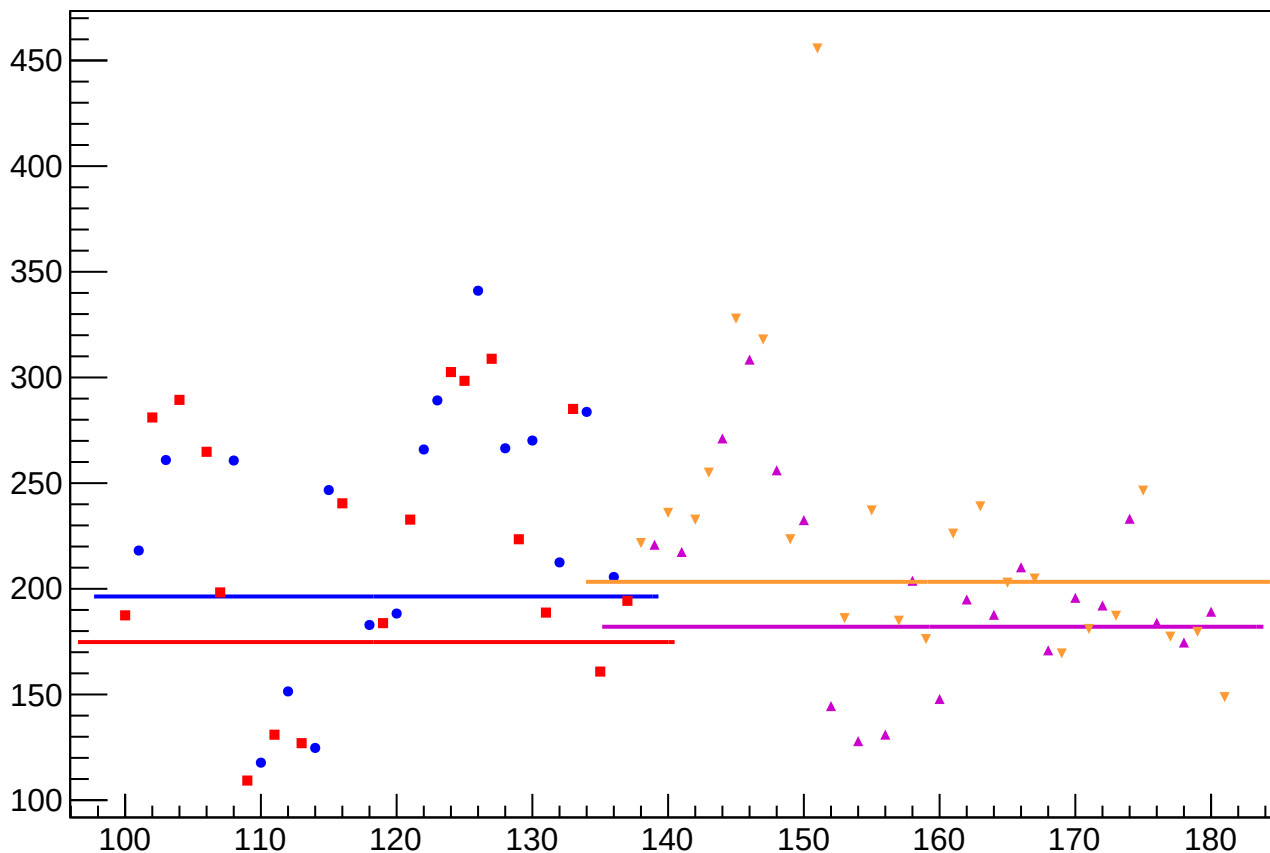
Left In: -34.527+/-47.220 χ^2/NDF : 6.7/20

+ sign 16.898+/-42.719 χ^2/NDF : 13.4/39

All: -6.963+/-28.932 χ^2/NDF : 27.4/79

- sign -27.180+/-39.323 χ^2/NDF : 13.5/39

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.369 $\pm$ 0.057 χ^2 /NDF: 965962.8/16

Left Out: 203.301 $\pm$ 0.036 χ^2 /NDF: 1579368.2/22

Right Out: 174.800 $\pm$ 0.050 χ^2 /NDF: 1506075.3/18

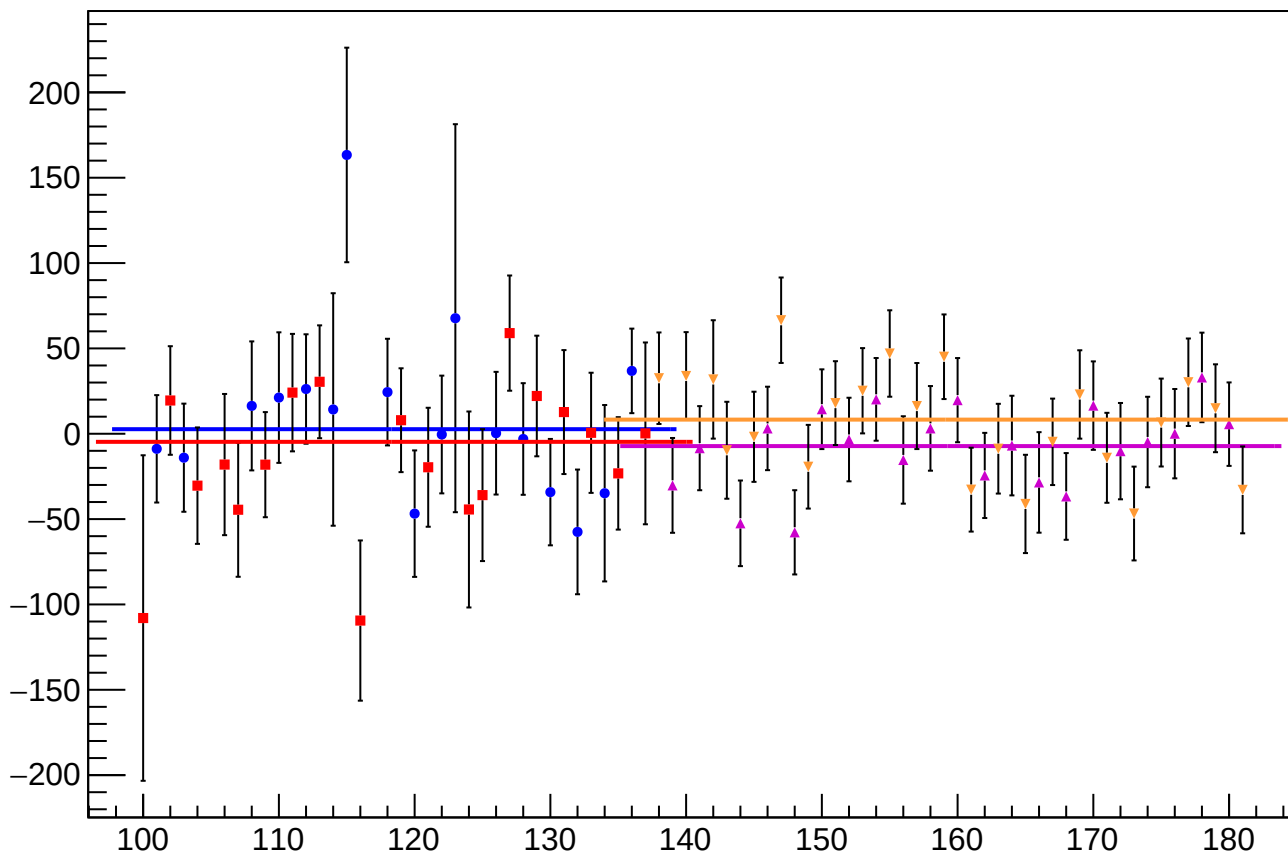
Left In: 182.050 $\pm$ 0.033 χ^2 /NDF: 1545031.7/20

+ sign 201.332 $\pm$ 0.030 χ^2 /NDF: 2556037.1/39

All: 189.691 $\pm$ 0.020 χ^2 /NDF: 5895944.4/79

- sign 179.828 $\pm$ 0.028 χ^2 /NDF: 3065556.9/39

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 2.676 ± 8.772 χ^2/NDF : 17.1/16

Left Out: 8.282 ± 5.431 χ^2/NDF : 29.6/22

Right Out: -4.736 ± 8.496 χ^2/NDF : 16.6/18

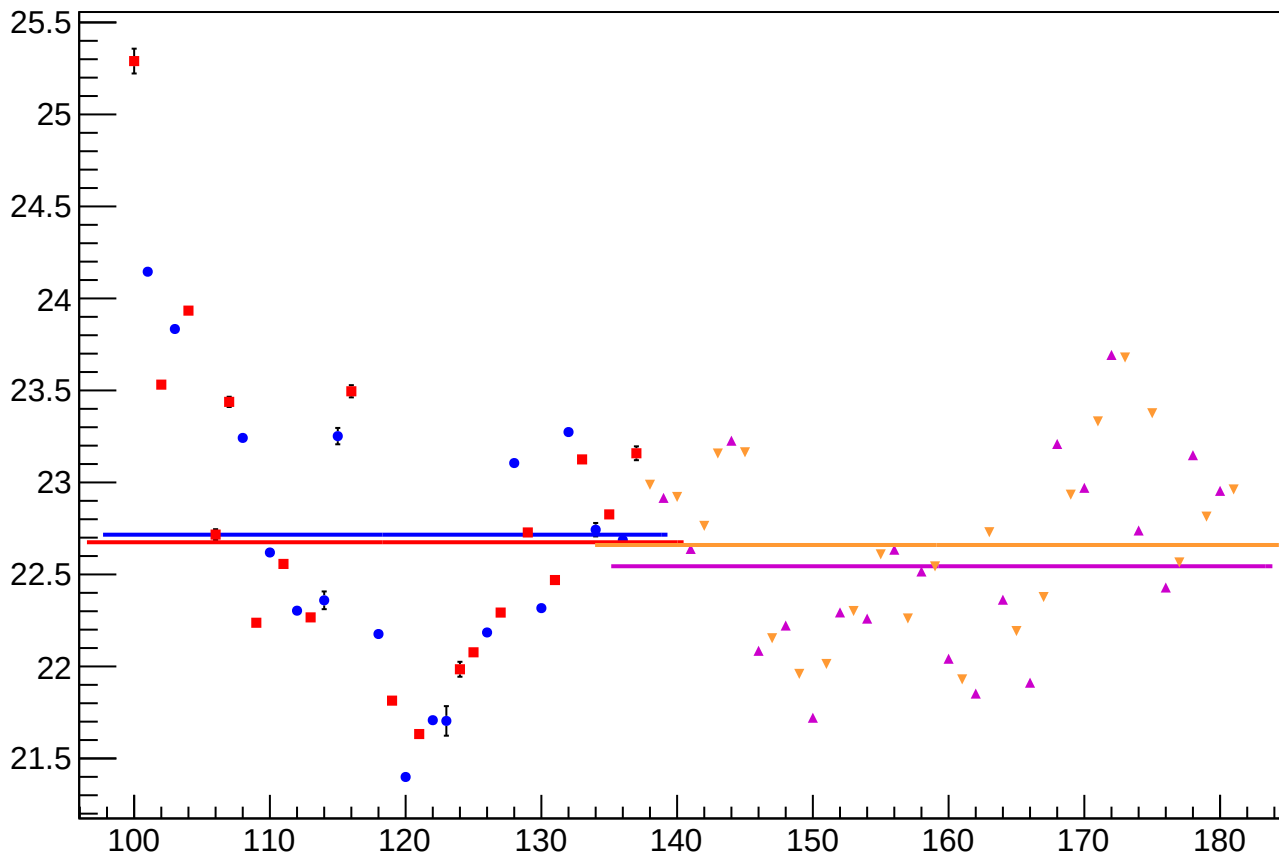
Left In: -7.227 ± 5.582 χ^2/NDF : 17.8/20

+ sign 6.728 ± 4.617 χ^2/NDF : 47.0/39

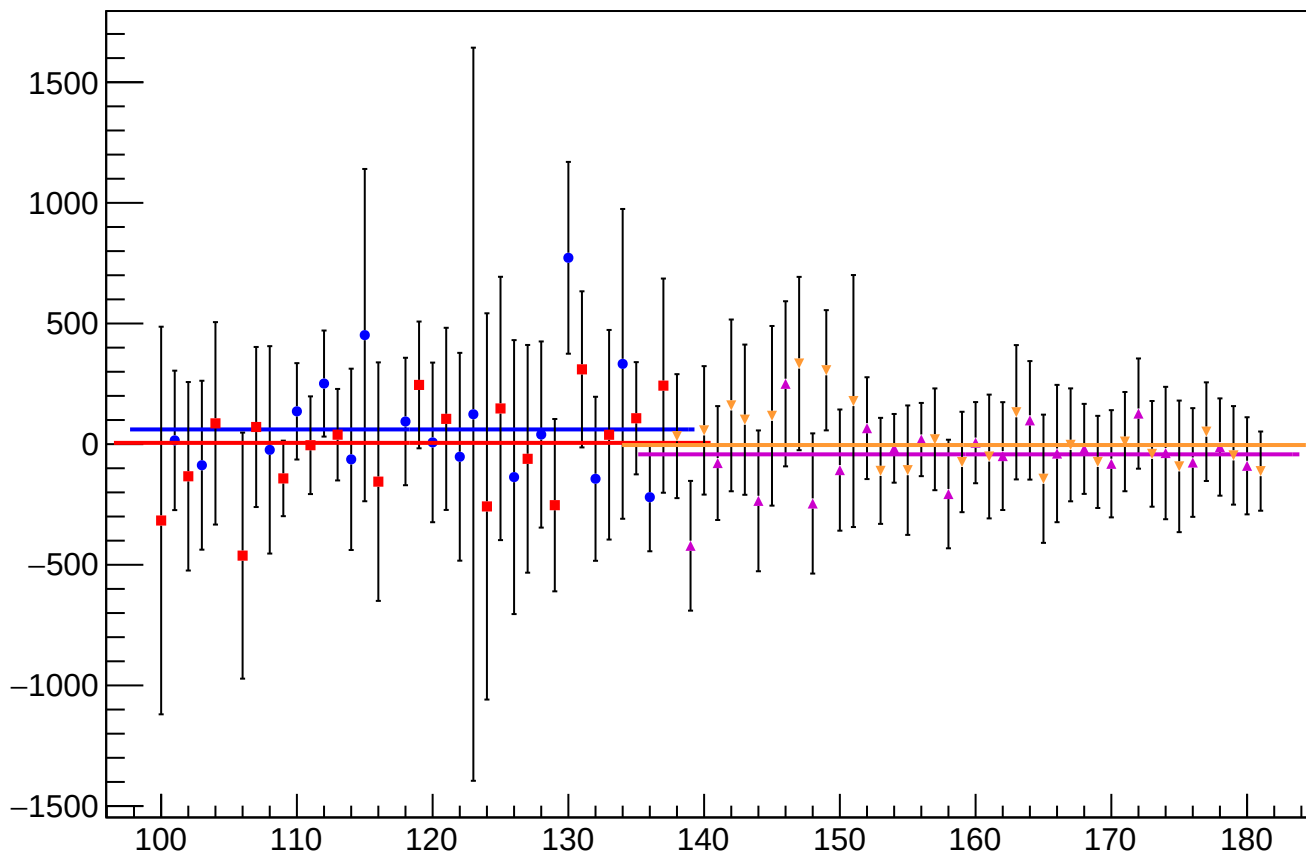
All: 0.194 ± 3.282 χ^2/NDF : 85.6/79

- sign -6.476 ± 4.665 χ^2/NDF : 34.6/39

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 60.977 $\pm$ 79.827 χ^2 /NDF: 7.1/16

Left Out: -3.659 $\pm$ 50.424 χ^2 /NDF: 4.9/22

Right Out: 5.234 $\pm$ 70.529 χ^2 /NDF: 5.2/18

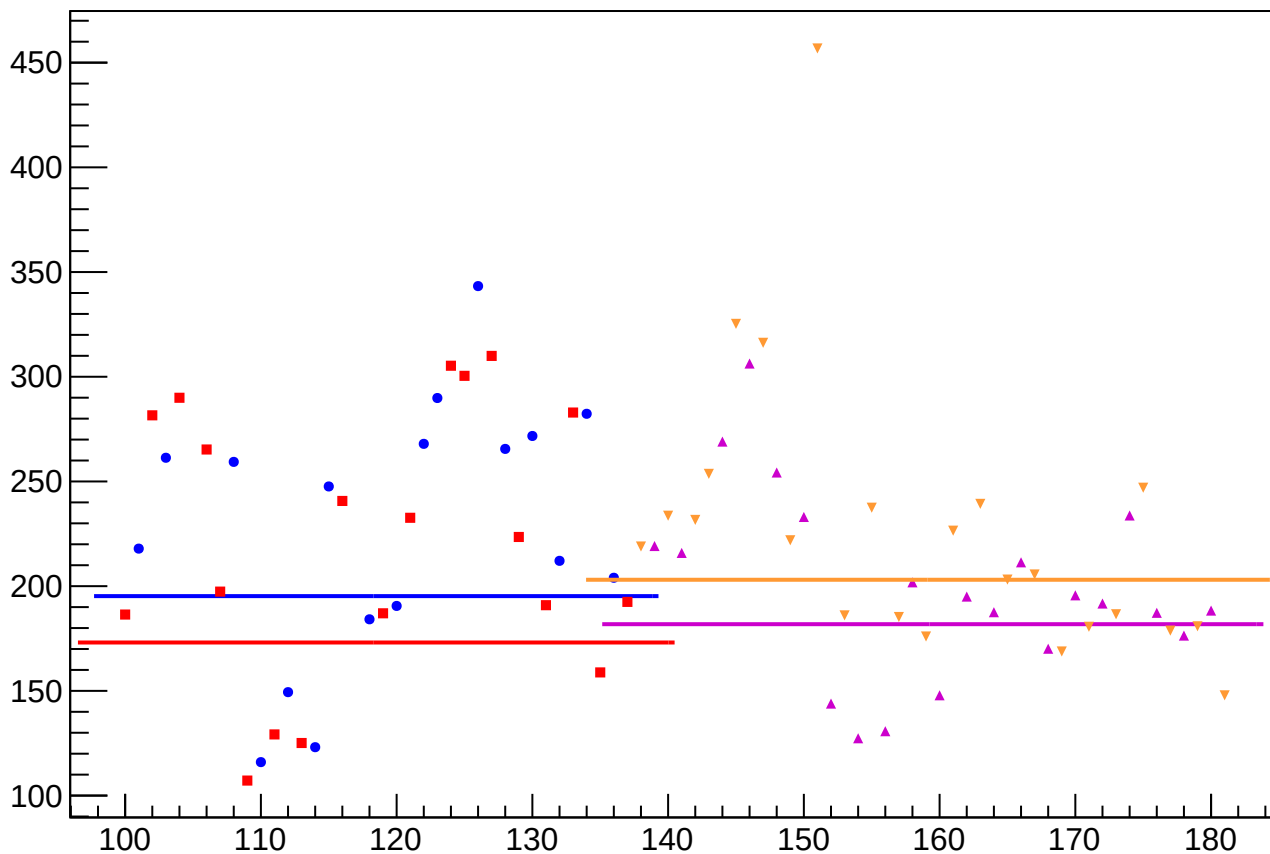
Left In: -42.273 $\pm$ 47.168 χ^2 /NDF: 5.8/20

+ sign 14.775 $\pm$ 42.631 χ^2 /NDF: 12.5/39

All: -8.177 $\pm$ 28.859 χ^2 /NDF: 24.4/79

- sign -27.592 $\pm$ 39.208 χ^2 /NDF: 11.4/39

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.248 $\pm$ 0.056 χ^2 /NDF: 1005332.5/16

Left Out: 203.060 $\pm$ 0.036 χ^2 /NDF: 1570514.5/22

Right Out: 173.101 $\pm$ 0.050 χ^2 /NDF: 1572691.1/18

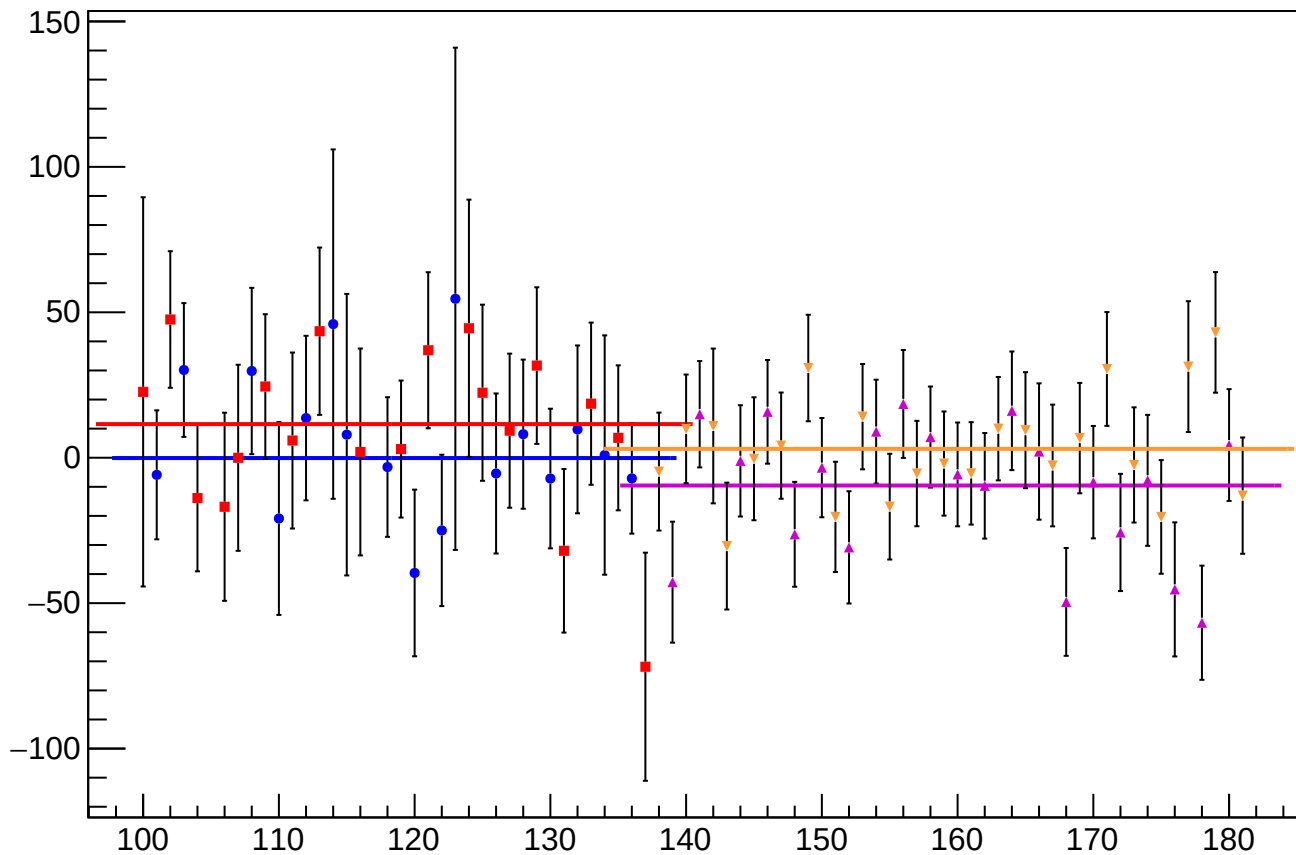
Left In: 181.845 $\pm$ 0.033 χ^2 /NDF: 1537481.5/20

+ sign 200.832 $\pm$ 0.030 χ^2 /NDF: 2589538.2/39

All: 189.082 $\pm$ 0.020 χ^2 /NDF: 6001416.3/79

- sign 179.142 $\pm$ 0.028 χ^2 /NDF: 3131410.3/39

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -0.111 ± 6.786 χ^2/NDF : 7.9/16

Left Out: 3.056 ± 4.061 χ^2/NDF : 18.5/22

Right Out: 11.560 ± 6.642 χ^2/NDF : 15.2/18

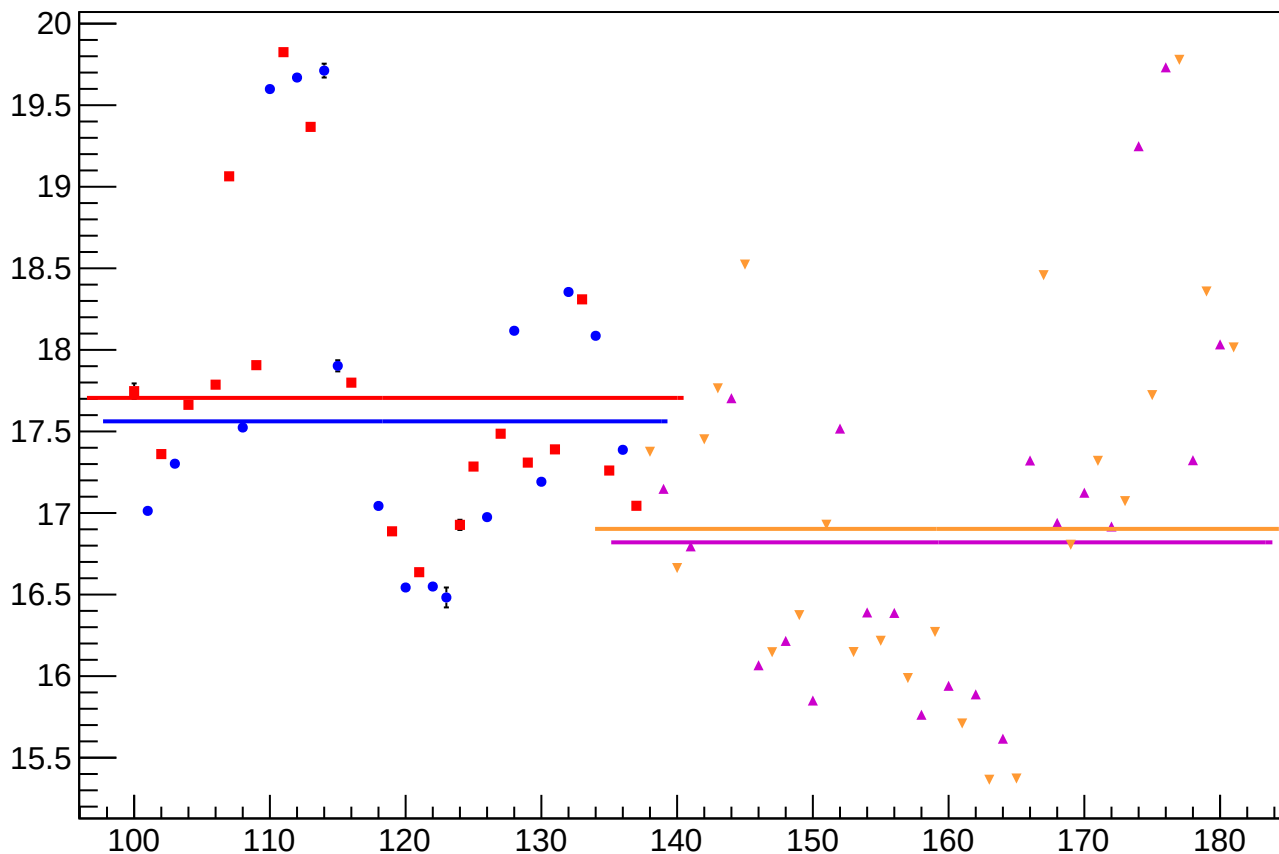
Left In: -9.556 ± 4.176 χ^2/NDF : 29.0/20

+ sign 2.221 ± 3.485 χ^2/NDF : 26.5/39

All: -0.635 ± 2.482 χ^2/NDF : 79.3/79

- sign -3.574 ± 3.535 χ^2/NDF : 51.4/39

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.562+/-0.005 χ^2/NDF : 33937.0/16

Left Out: 16.903+/-0.003 χ^2/NDF :136494.5/22

Right Out: 17.706+/-0.005 χ^2/NDF : 30251.5/18

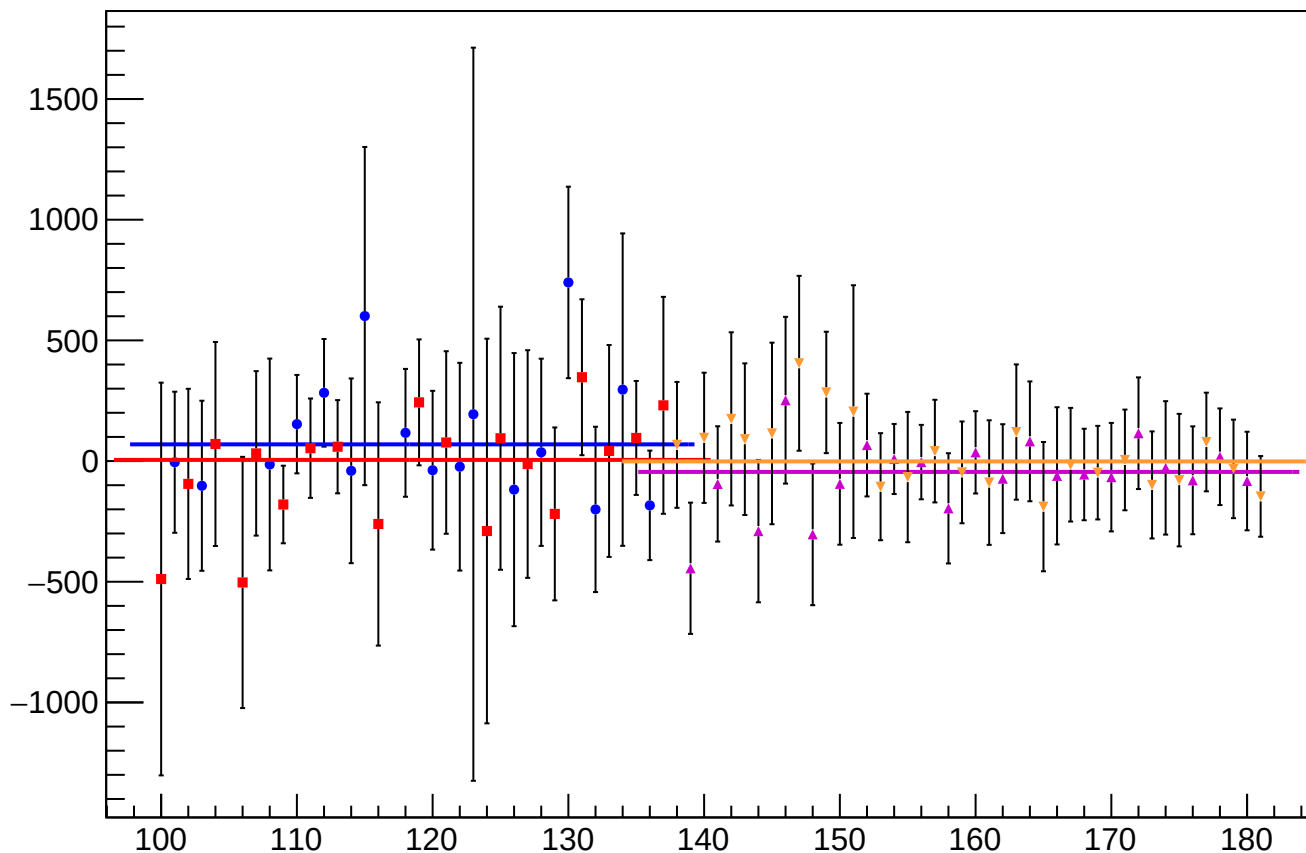
Left In: 16.820+/-0.003 χ^2/NDF :112435.5/20

+ sign 17.077+/-0.002 χ^2/NDF : 184328.7/39

All: 17.074+/-0.002 χ^2/NDF : 352495.5/79

- sign 17.071+/-0.002 χ^2/NDF : 168164.3/39

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 69.218 $\pm$ 80.633 χ^2 /NDF: 7.2/16

Left Out: -1.433 $\pm$ 50.910 χ^2 /NDF: 5.8/22

Right Out: 4.849 $\pm$ 71.521 χ^2 /NDF: 6.1/18

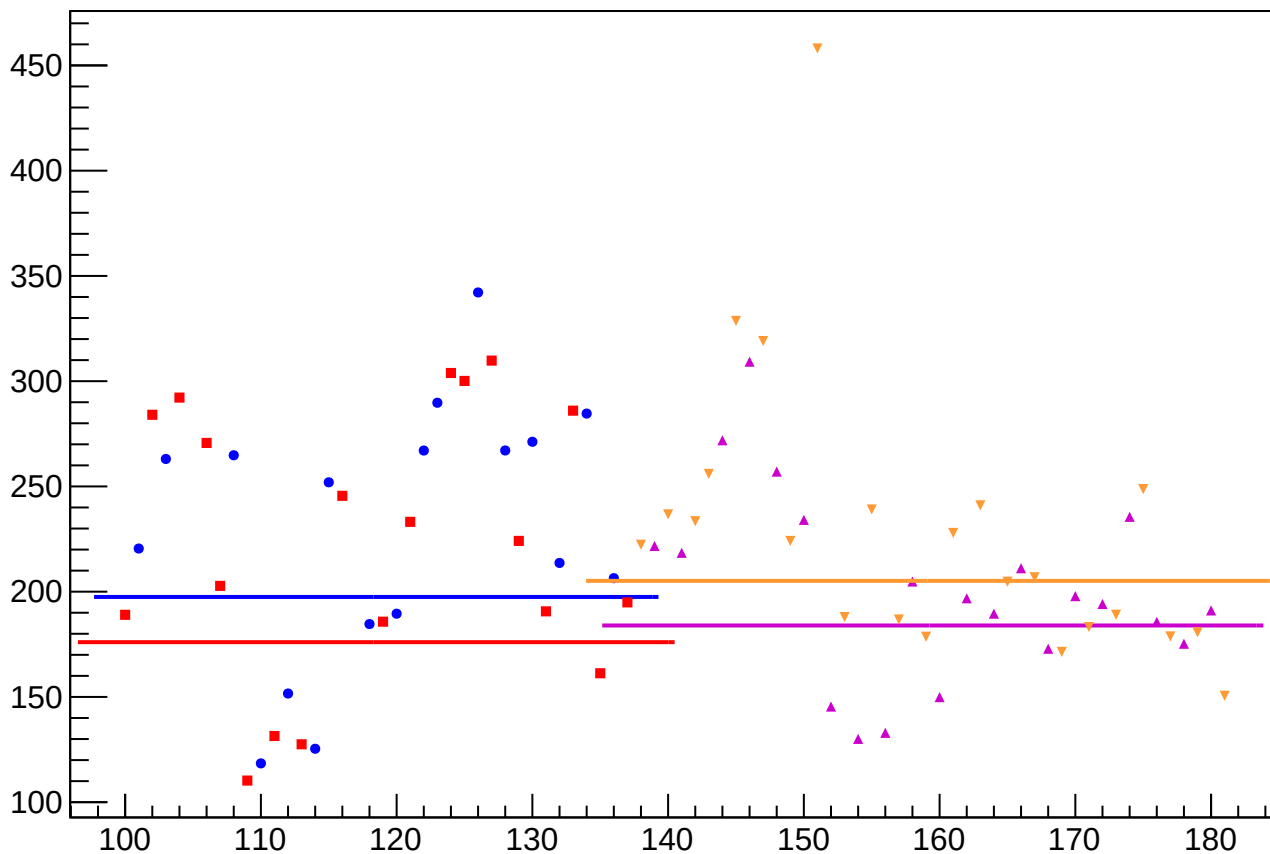
Left In: -44.967 $\pm$ 47.671 χ^2 /NDF: 6.5/20

+ sign 18.704 $\pm$ 43.048 χ^2 /NDF: 13.5/39

All: -7.442 $\pm$ 29.171 χ^2 /NDF: 27.2/79

- sign -29.644 $\pm$ 39.667 χ^2 /NDF: 13.0/39

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.498 $\pm$ 0.057 χ^2 /NDF: 970879.0/16

Left Out: 205.137 $\pm$ 0.036 χ^2 /NDF: 1549723.3/22

Right Out: 176.016 $\pm$ 0.051 χ^2 /NDF: 1514778.3/18

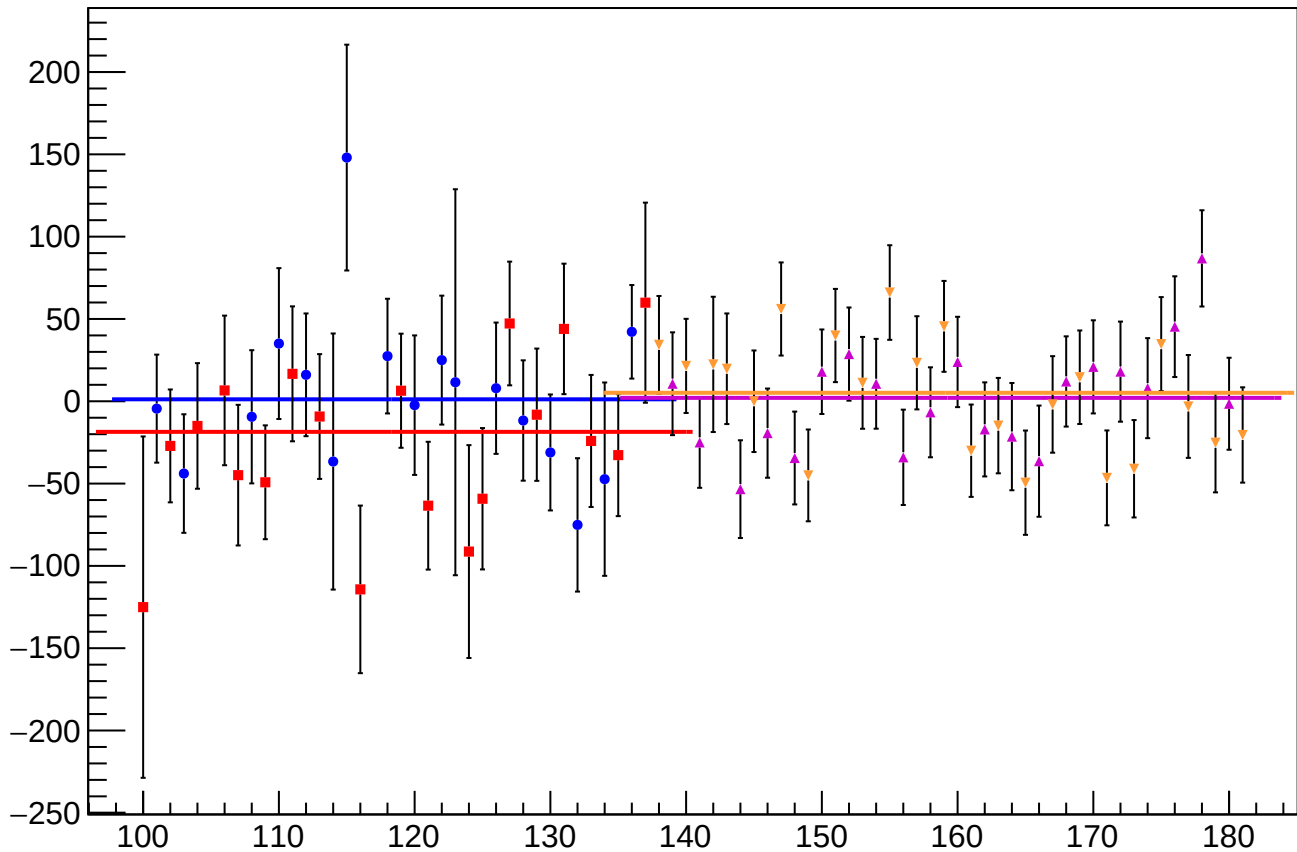
Left In: 183.941 $\pm$ 0.034 χ^2 /NDF: 1501305.2/20

+ sign 202.960 $\pm$ 0.030 χ^2 /NDF: 2533439.0/39

All: 191.356 $\pm$ 0.021 χ^2 /NDF: 5835235.6/79

- sign 181.503 $\pm$ 0.028 χ^2 /NDF: 3033086.8/39

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 1.189 ± 9.848 χ^2/NDF : 15.4/16

Left Out: 5.148 ± 6.145 χ^2/NDF : 30.5/22

Right Out: -18.582 ± 9.518 χ^2/NDF : 18.4/18

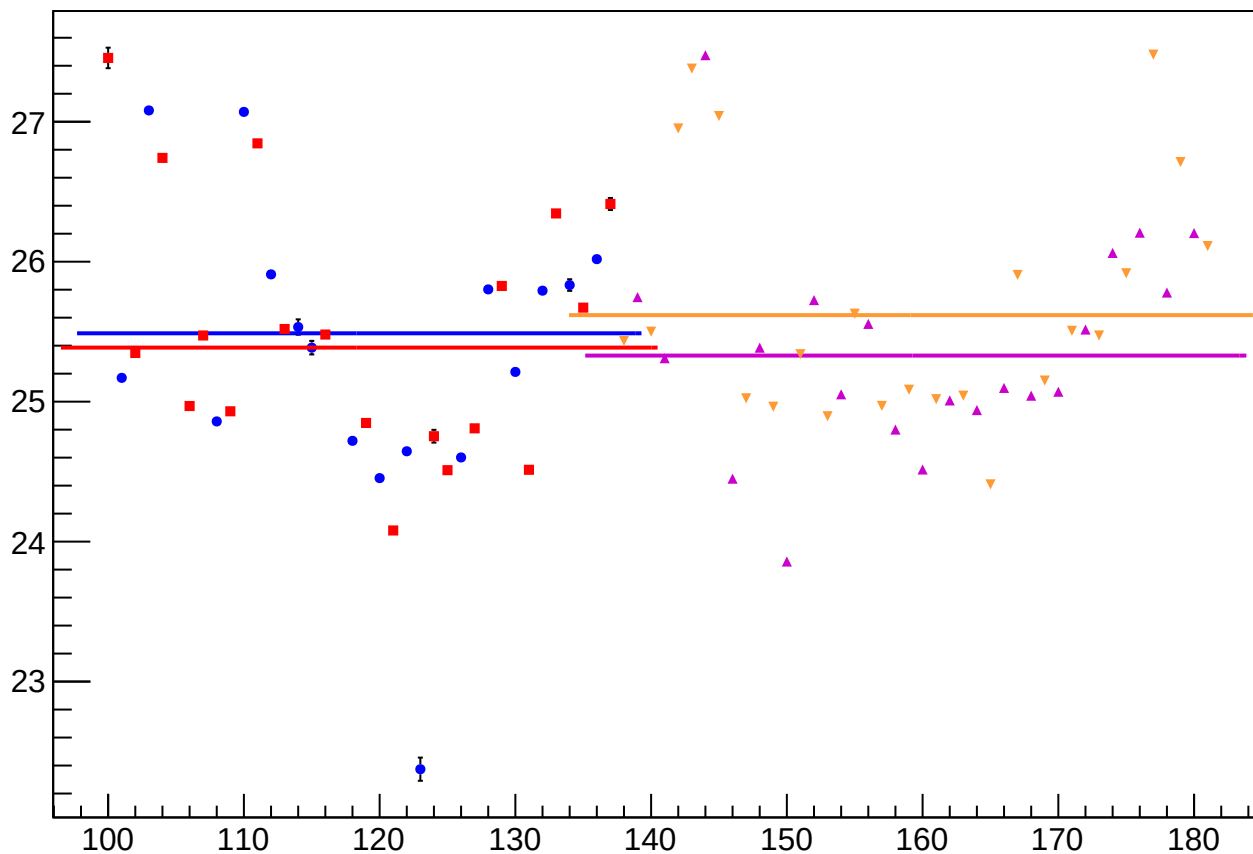
Left In: 2.067 ± 6.278 χ^2/NDF : 24.1/20

+ sign 4.038 ± 5.214 χ^2/NDF : 46.1/39

All: -0.056 ± 3.696 χ^2/NDF : 93.1/79

- sign -4.193 ± 5.240 χ^2/NDF : 45.7/39

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.488 $\pm$ 0.007 χ^2 /NDF: 13867.7/16

Left Out: 25.618 $\pm$ 0.004 χ^2 /NDF:33243.6/22

Right Out: 25.386 $\pm$ 0.007 χ^2 /NDF: 13699.1/18

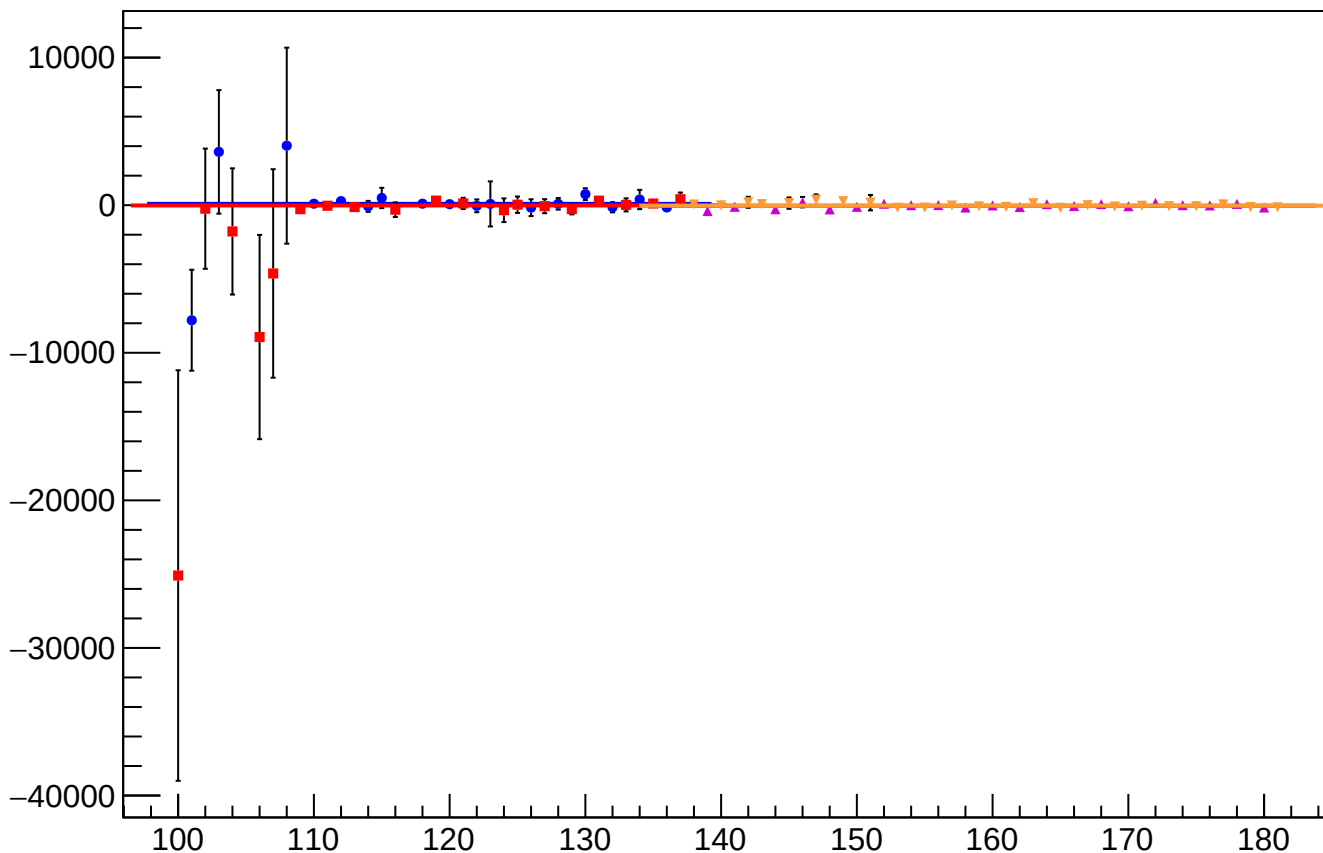
Left In: 25.329 $\pm$ 0.004 χ^2 /NDF:29062.5/20

+ sign 25.582 $\pm$ 0.004 χ^2 /NDF: 47361.6/39

All: 25.465 $\pm$ 0.003 χ^2 /NDF: 92201.0/79

- sign 25.346 $\pm$ 0.004 χ^2 /NDF: 42811.8/39

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 89.231+/-87.920 χ^2/NDF : 12.5/16

Left Out: -32.122+/-50.594 χ^2/NDF : 5.9/22

Right Out: -18.864+/-80.923 χ^2/NDF : 12.0/18

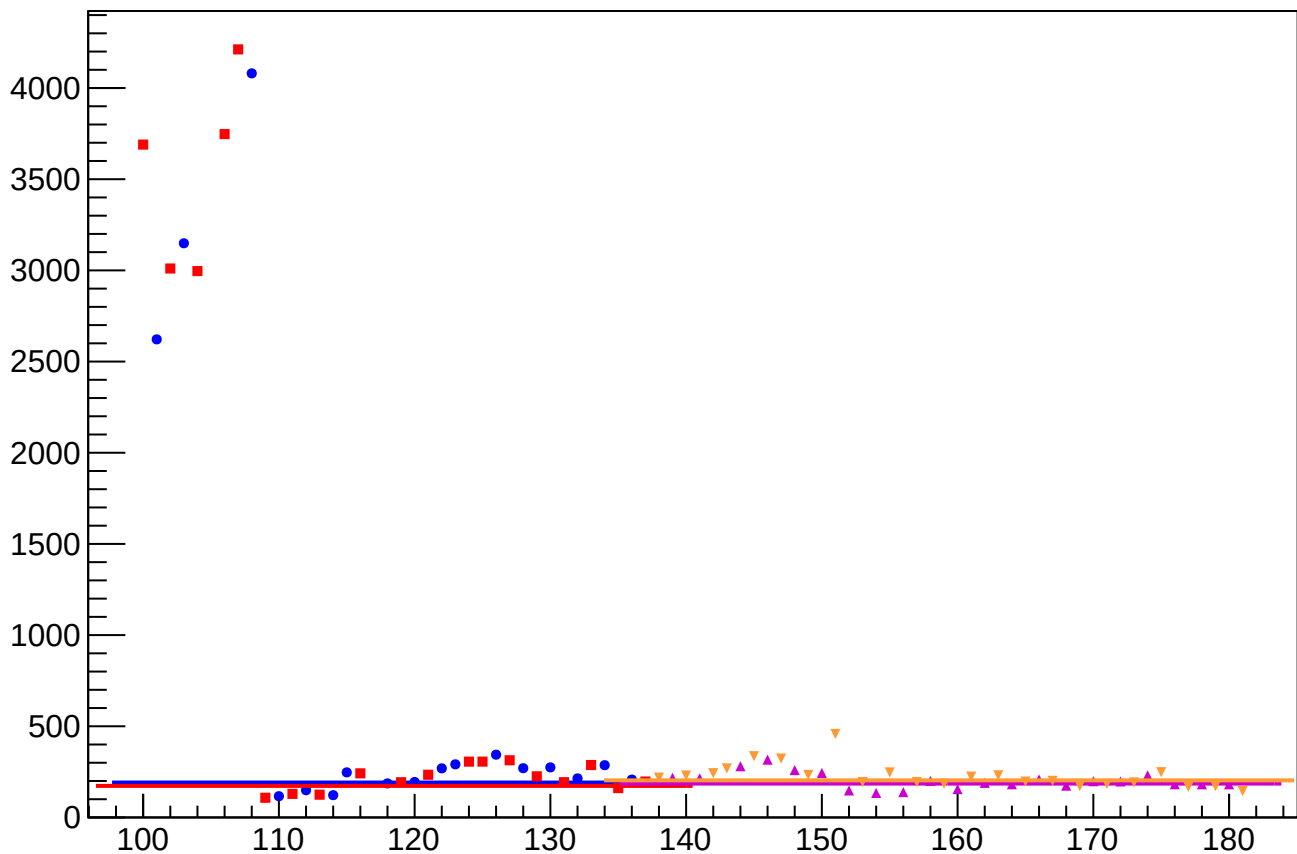
Left In: -35.532+/-48.005 χ^2/NDF : 6.8/20

+ sign -1.933+/-43.852 χ^2/NDF : 19.8/39

All: -17.444+/-30.060 χ^2/NDF : 38.9/79

- sign -31.193+/-41.287 χ^2/NDF : 18.8/39

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.422+/-0.062 χ^2/NDF : 3573556.6/16

Left Out: 203.457+/-0.036 χ^2/NDF : 1702652.2/22

Right Out: 173.068+/-0.057 χ^2/NDF : 4201509.7/18

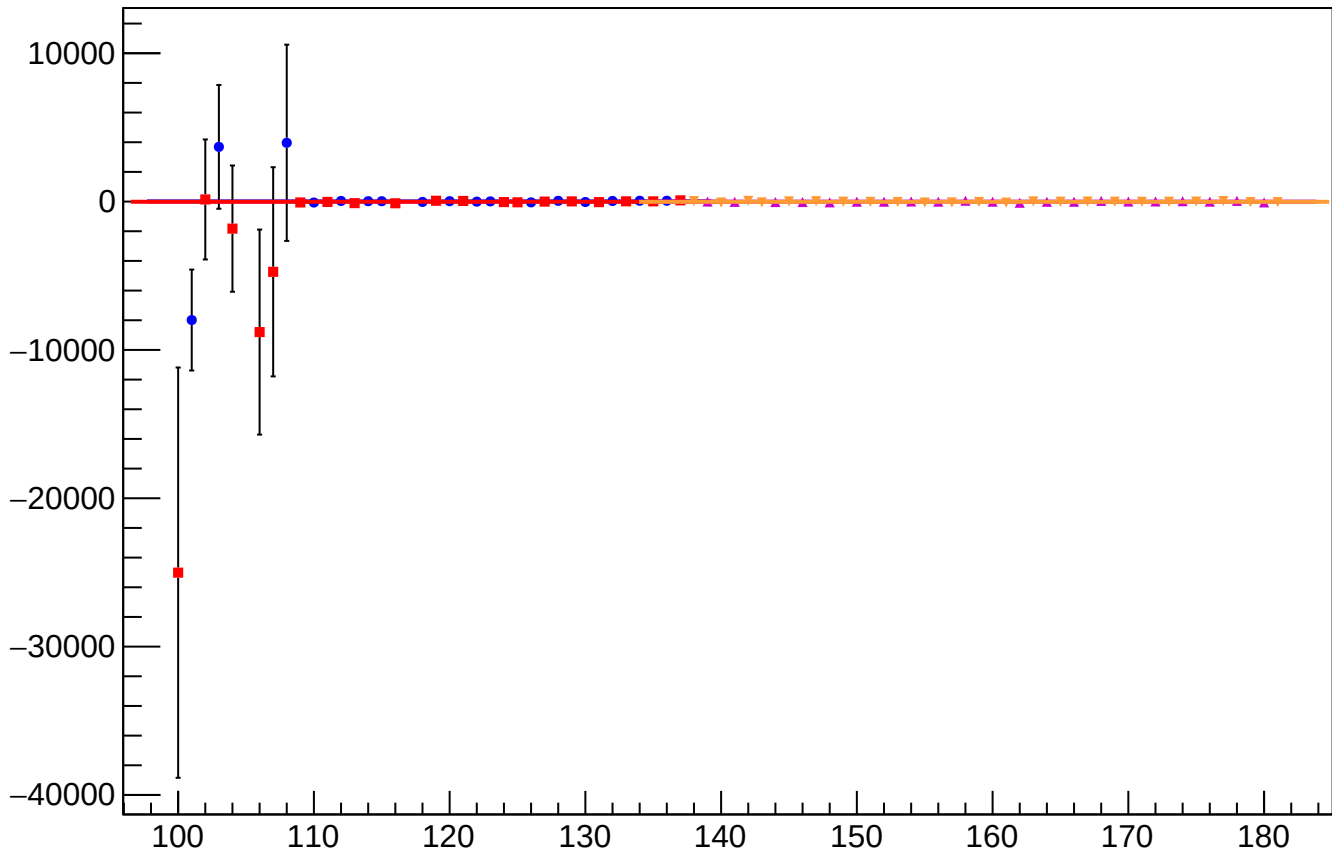
Left In: 185.687+/-0.034 χ^2/NDF : 1374707.5/20

+ sign 200.463+/-0.031 χ^2/NDF : 5304359.3/39

All: 190.889+/-0.021 χ^2/NDF : 11096395.2/79

- sign 182.402+/-0.029 χ^2/NDF : 5612186.0/39

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 11.464 $\pm$ 12.227 χ^2 /NDF: 18.3/16

Left Out: -16.013 $\pm$ 6.892 χ^2 /NDF:19.8/22

Right Out: -11.883 $\pm$ 12.264 χ^2 /NDF: 23.9/18

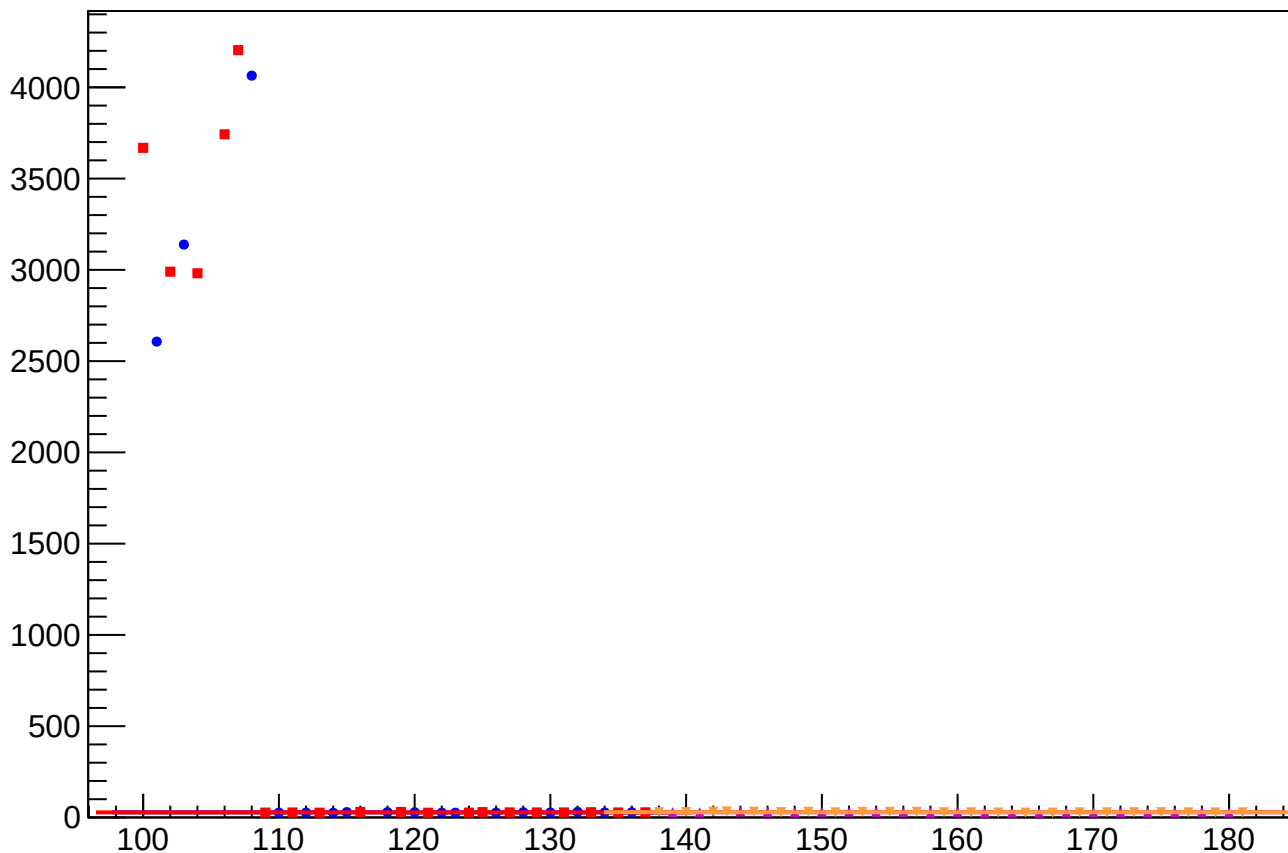
Left In: -5.292 $\pm$ 7.123 χ^2 /NDF:24.3/20

+ sign -9.387 $\pm$ 6.004 χ^2 /NDF: 41.9/39

All: -8.202 $\pm$ 4.299 χ^2 /NDF: 90.4/79

- sign -6.955 $\pm$ 6.160 χ^2 /NDF: 48.3/39

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.858 $\pm$ 0.009 χ^2 /NDF: 3026949.6/16

Left Out: 28.685 $\pm$ 0.005 χ^2 /NDF: 104845.2/22

Right Out: 27.714 $\pm$ 0.009 χ^2 /NDF: 3476894.0/18

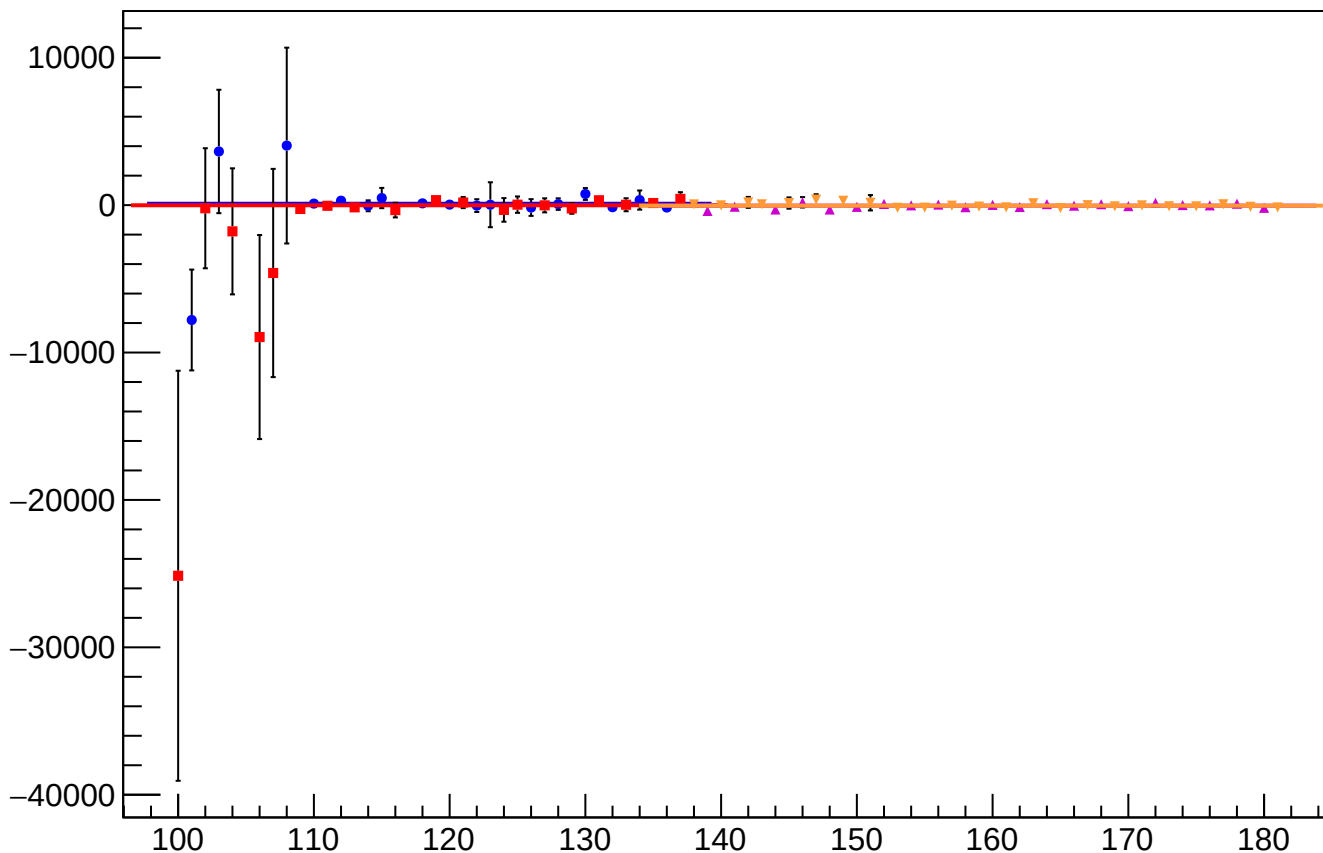
Left In: 28.669 $\pm$ 0.005 χ^2 /NDF: 123730.6/20

+ sign 28.485 $\pm$ 0.004 χ^2 /NDF: 3138733.3/39

All: 28.458 $\pm$ 0.003 χ^2 /NDF: 6748528.0/79

- sign 28.428 $\pm$ 0.004 χ^2 /NDF: 3609707.2/39

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 93.805+/-87.646 χ^2/NDF : 12.7/16

Left Out: -35.066+/-50.478 χ^2/NDF : 6.6/22

Right Out: -9.116+/-80.662 χ^2/NDF : 12.8/18

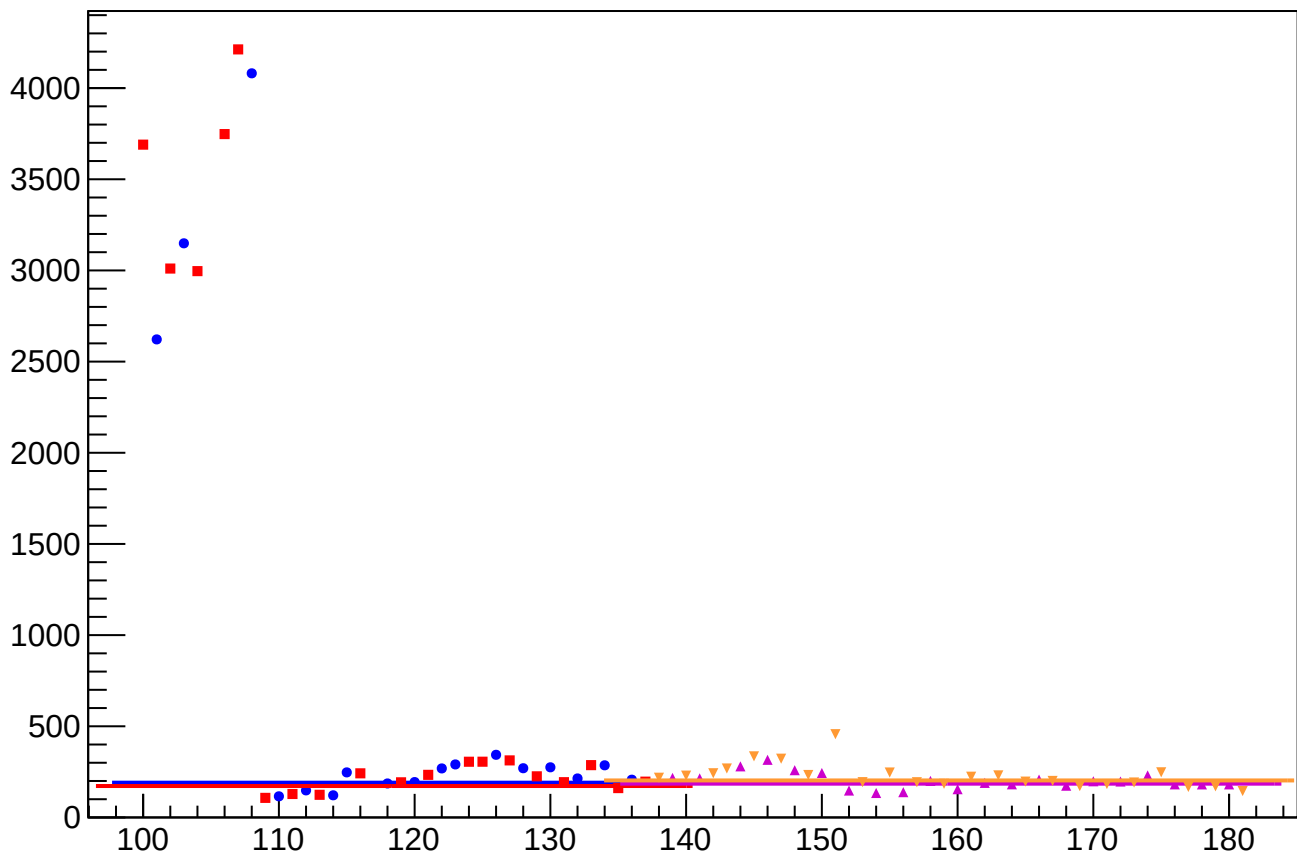
Left In: -35.668+/-47.907 χ^2/NDF : 7.1/20

+ sign -2.967+/-43.742 χ^2/NDF : 20.9/39

All: -16.630+/-29.987 χ^2/NDF : 41.0/79

- sign -28.744+/-41.190 χ^2/NDF : 19.9/39

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.712 $\pm$ 0.062 χ^2 /NDF: 3585407.6/16

Left Out: 202.989 $\pm$ 0.036 χ^2 /NDF: 1703518.4/22

Right Out: 172.402 $\pm$ 0.057 χ^2 /NDF: 4212674.3/18

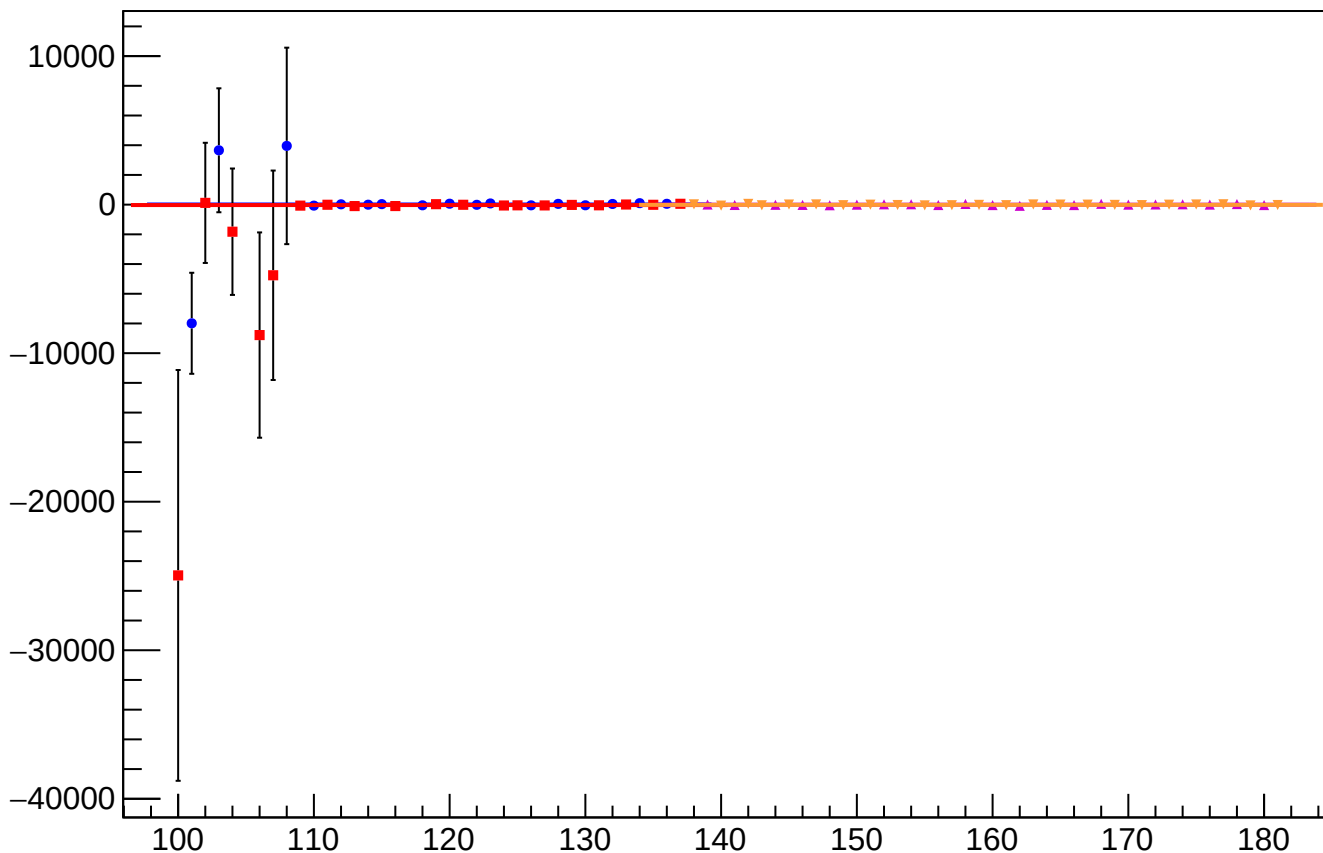
Left In: 185.309 $\pm$ 0.034 χ^2 /NDF: 1374557.0/20

+ sign 199.931 $\pm$ 0.031 χ^2 /NDF: 5318389.5/39

All: 190.397 $\pm$ 0.021 χ^2 /NDF: 11122733.3/79

- sign 181.943 $\pm$ 0.029 χ^2 /NDF: 5625082.3/39

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 9.486 $\pm$ 12.310 χ^2 /NDF: 22.5/16

Left Out: -13.593 $\pm$ 6.924 χ^2 /NDF:14.6/22

Right Out: -28.414 $\pm$ 12.365 χ^2 /NDF: 16.2/18

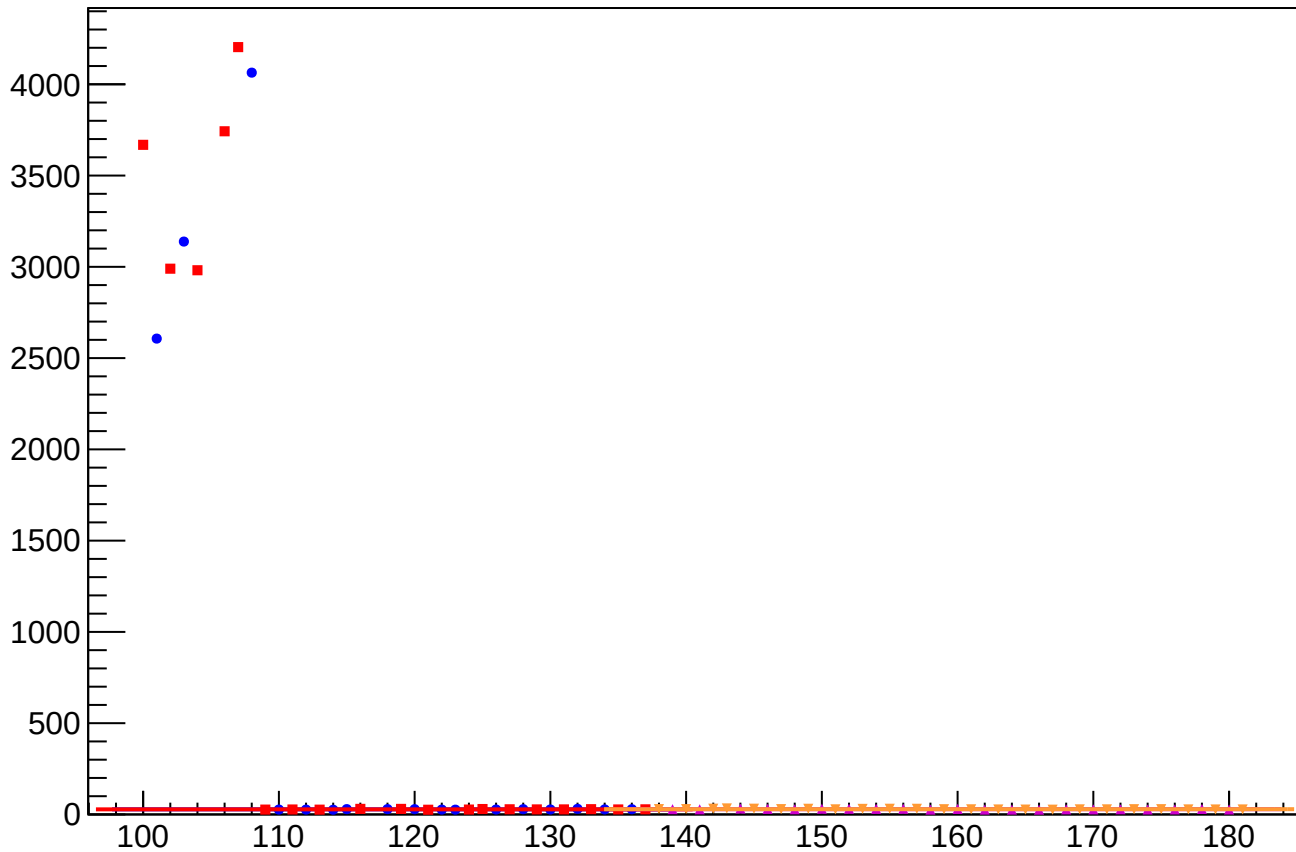
Left In: -3.198 $\pm$ 7.155 χ^2 /NDF:20.8/20

+ sign -8.046 $\pm$ 6.035 χ^2 /NDF: 39.8/39

All: -8.766 $\pm$ 4.322 χ^2 /NDF: 80.0/79

- sign -9.524 $\pm$ 6.193 χ^2 /NDF: 40.1/39

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.041 $\pm$ 0.009 χ^2 /NDF: 3027315.2/16

Left Out: 28.812 $\pm$ 0.005 χ^2 /NDF: 116068.8/22

Right Out: 27.934 $\pm$ 0.009 χ^2 /NDF: 3479779.2/18

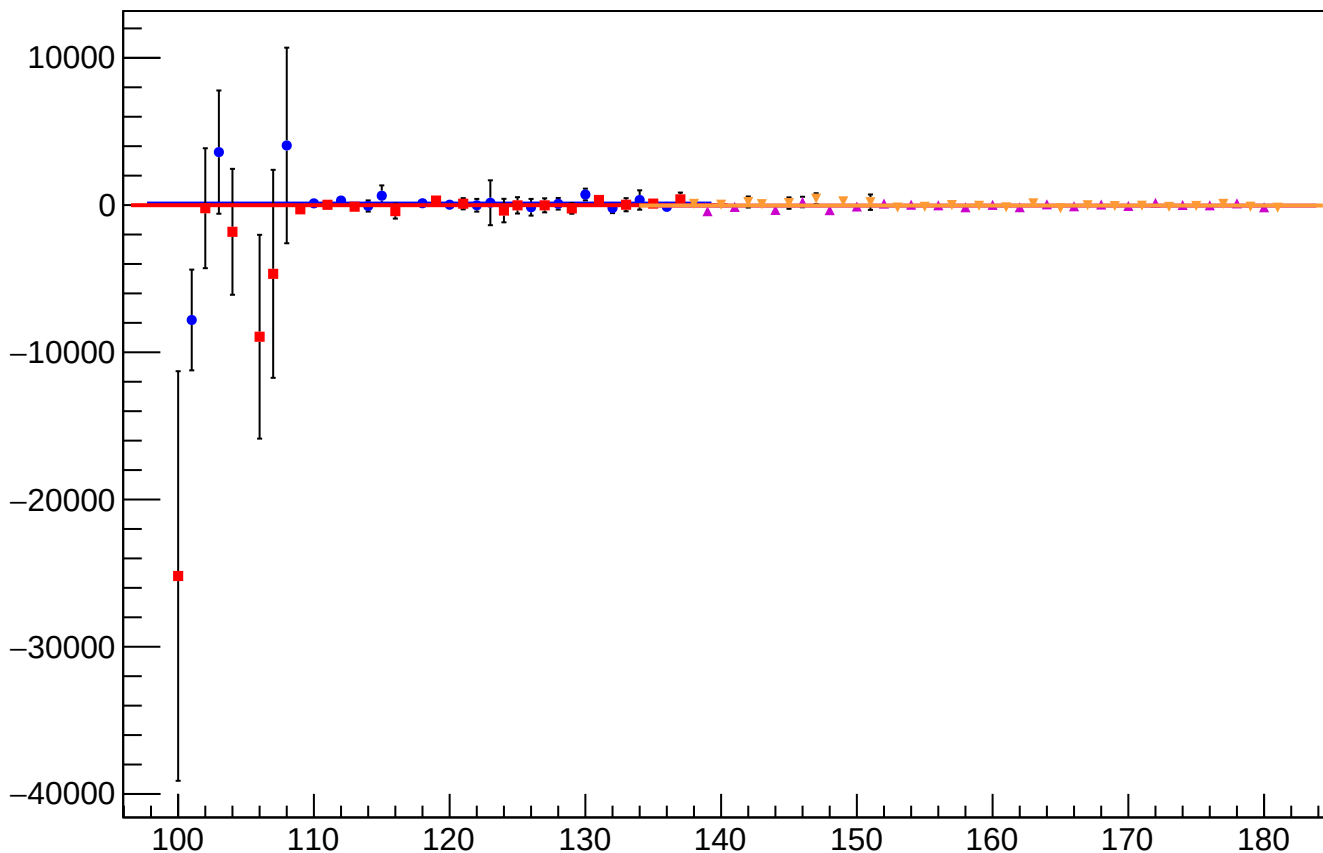
Left In: 28.797 $\pm$ 0.005 χ^2 /NDF: 128214.8/20

+ sign 28.627 $\pm$ 0.004 χ^2 /NDF: 3149341.2/39

All: 28.604 $\pm$ 0.003 χ^2 /NDF: 6764676.3/79

- sign 28.580 $\pm$ 0.004 χ^2 /NDF: 3615277.4/39

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 101.587 $\pm$ 88.682 χ^2 /NDF: 12.5/16

Left Out: -30.136 $\pm$ 51.057 χ^2 /NDF: 6.9/22

Right Out: -7.957 $\pm$ 81.751 χ^2 /NDF: 12.3/18

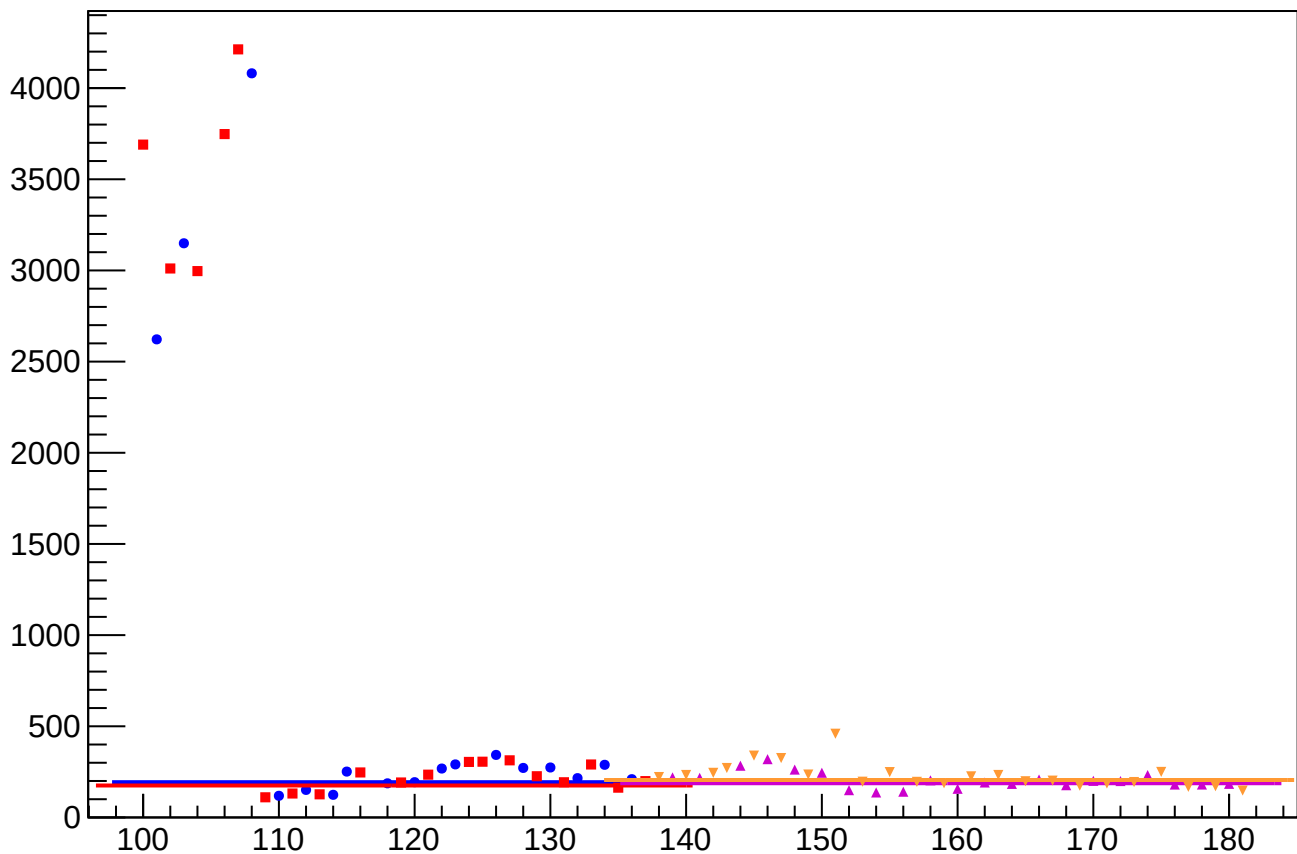
Left In: -38.243 $\pm$ 48.488 χ^2 /NDF: 7.6/20

+ sign 2.657 $\pm$ 44.248 χ^2 /NDF: 21.1/39

All: -14.829 $\pm$ 30.349 χ^2 /NDF: 41.4/79

- sign -30.362 $\pm$ 41.704 χ^2 /NDF: 20.0/39

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.420+/-0.063 χ^2/NDF : 3538238.9/16

Left Out: 205.412+/-0.036 χ^2/NDF : 1688658.0/22

Right Out: 175.281+/-0.058 χ^2/NDF : 4160209.8/18

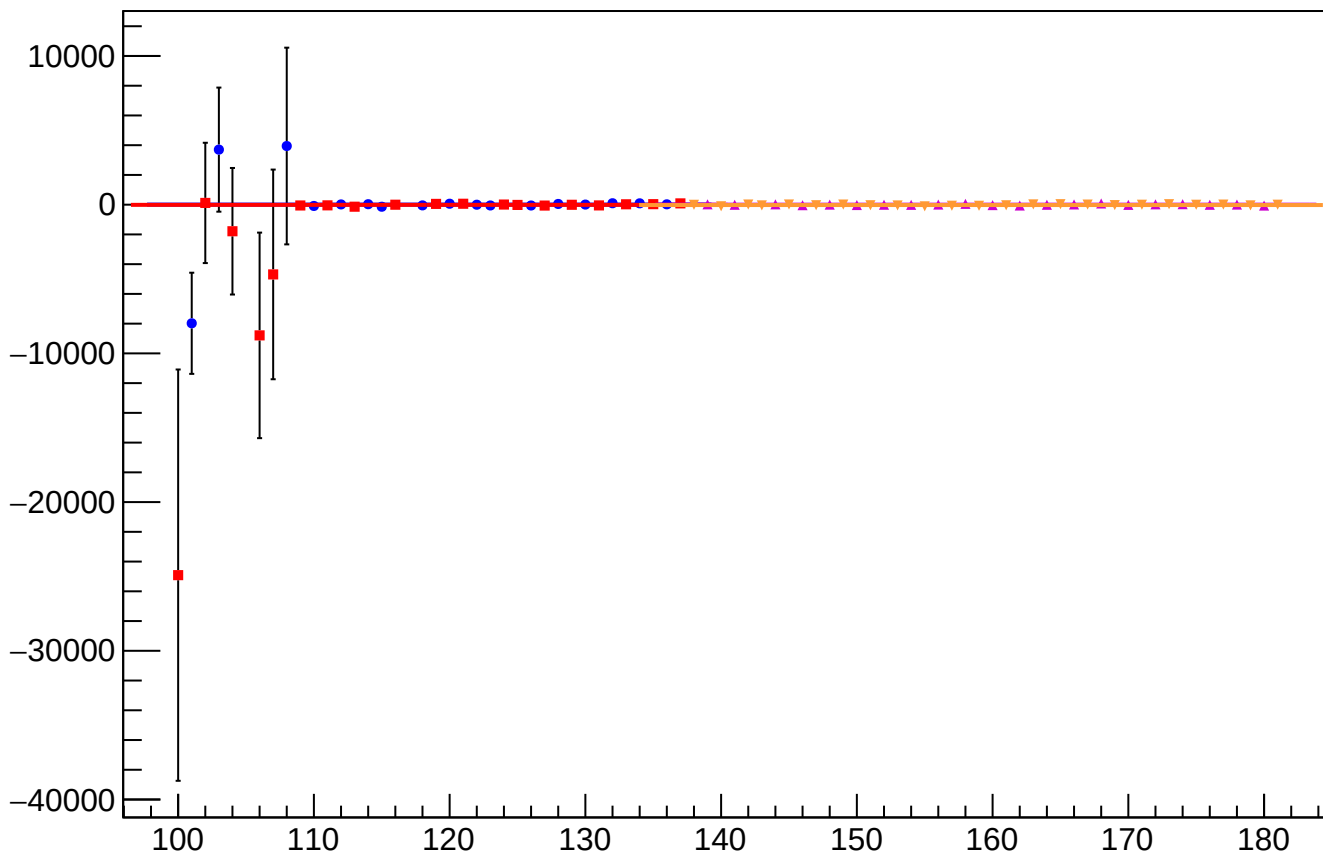
Left In: 187.691+/-0.034 χ^2/NDF : 1345724.0/20

+ sign 202.427+/-0.031 χ^2/NDF : 5254365.4/39

All: 192.913+/-0.021 χ^2/NDF : 10968987.9/79

- sign 184.461+/-0.029 χ^2/NDF : 5540024.4/39

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 6.177 $\pm$ 14.983 χ^2/NDF : 20.1/16

Left Out: -24.559 $\pm$ 8.297 χ^2/NDF :22.8/22

Right Out: -11.632 $\pm$ 14.990 χ^2/NDF : 21.2/18

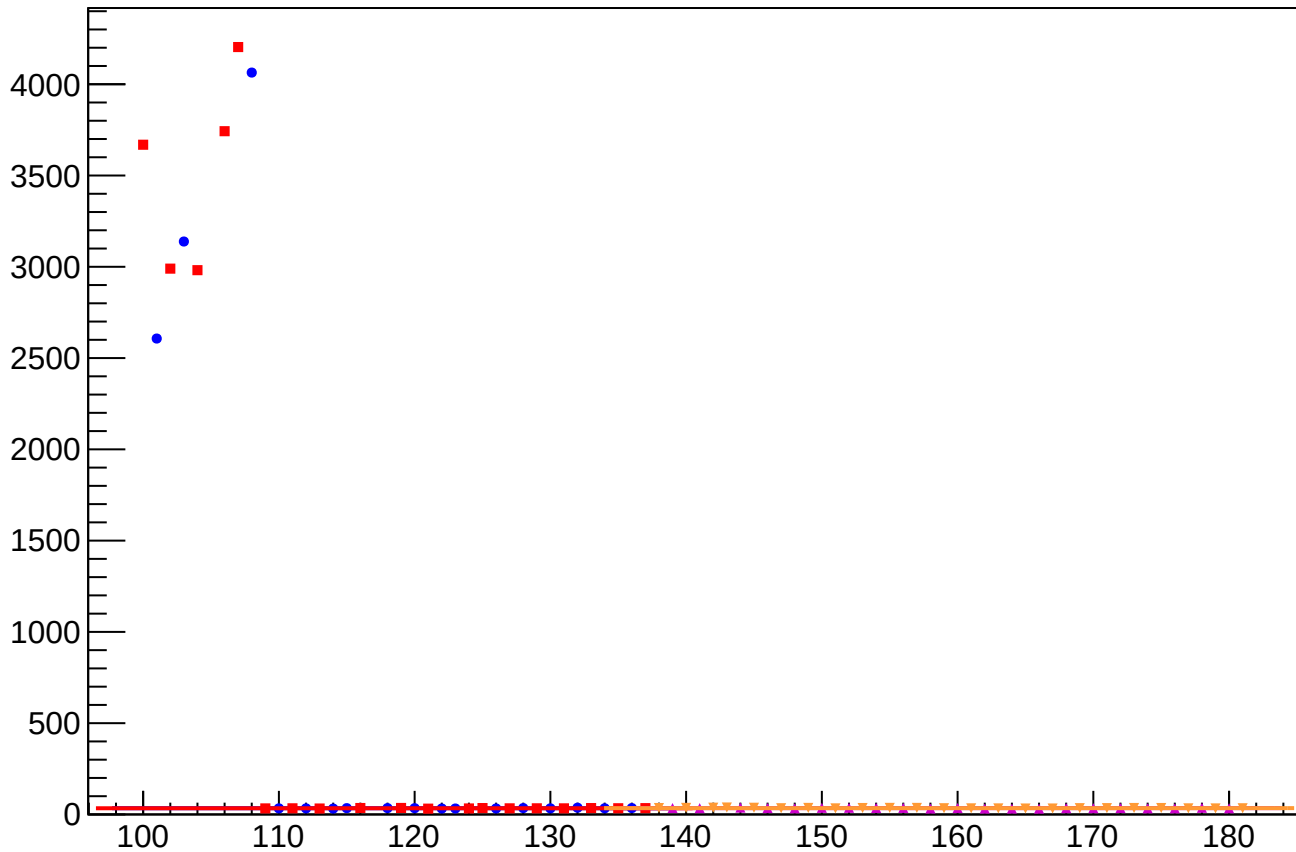
Left In: 1.444 $\pm$ 8.593 χ^2/NDF :15.8/20

+ sign -17.346 $\pm$ 7.258 χ^2/NDF : 46.1/39

All: -9.776 $\pm$ 5.201 χ^2/NDF : 85.9/79

- sign -1.790 $\pm$ 7.455 χ^2/NDF : 37.6/39

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.169 $\pm$ 0.011 χ^2 /NDF: 3006128.0/16

Left Out: 34.578 $\pm$ 0.006 χ^2 /NDF: 54134.9/22

Right Out: 33.933 $\pm$ 0.011 χ^2 /NDF: 3451992.5/18

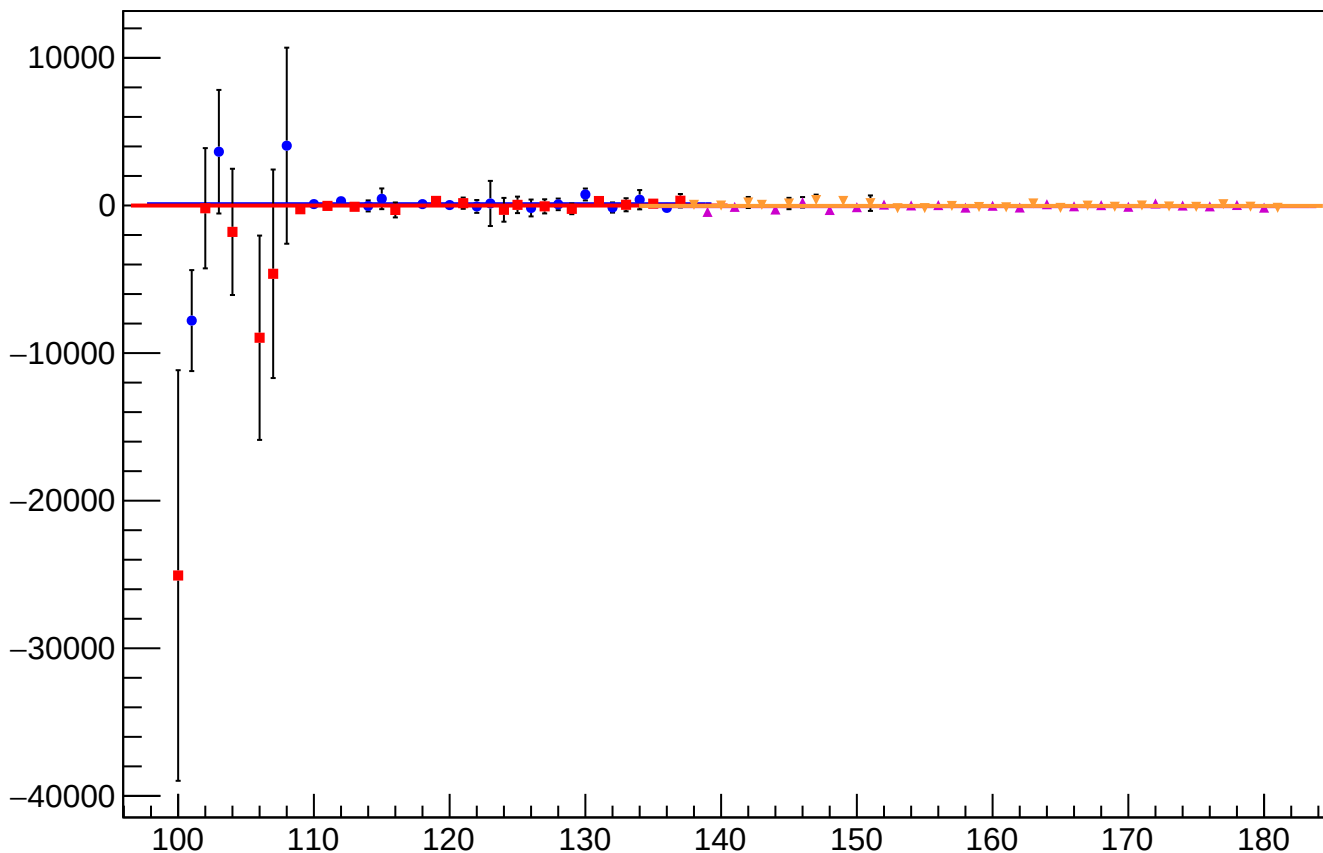
Left In: 34.648 $\pm$ 0.006 χ^2 /NDF: 59227.1/20

+ sign 34.482 $\pm$ 0.005 χ^2 /NDF: 3061404.6/39

All: 34.476 $\pm$ 0.004 χ^2 /NDF: 6576049.5/79

- sign 34.471 $\pm$ 0.005 χ^2 /NDF: 3514642.8/39

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 86.712 $\pm$ 88.241 χ^2 /NDF: 12.5/16

Left Out: -28.752 $\pm$ 51.004 χ^2 /NDF: 6.5/22

Right Out: -3.827 $\pm$ 81.231 χ^2 /NDF: 11.1/18

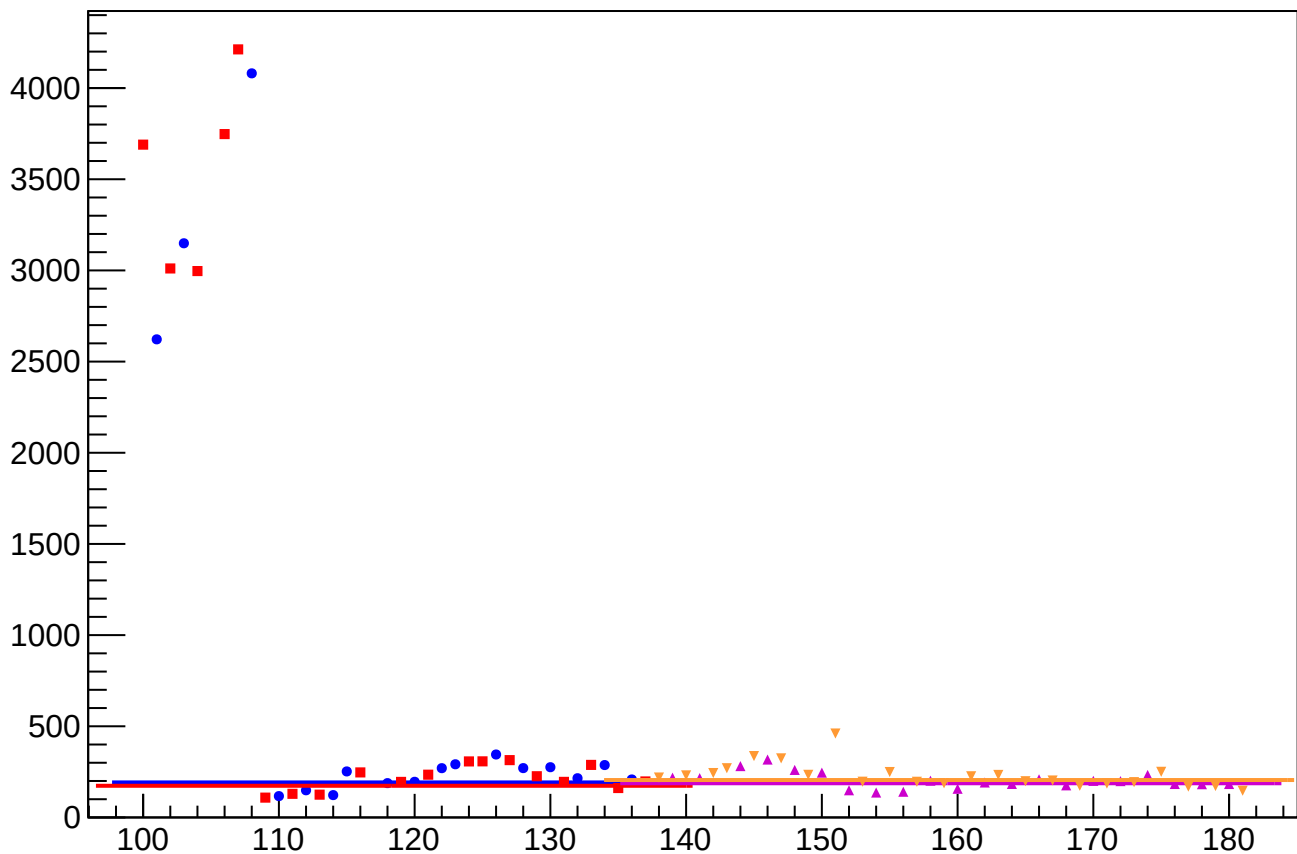
Left In: -46.018 $\pm$ 48.441 χ^2 /NDF: 6.5/20

+ sign 0.163 $\pm$ 44.158 χ^2 /NDF: 20.3/39

All: -18.438 $\pm$ 30.281 χ^2 /NDF: 38.4/79

- sign -34.950 $\pm$ 41.605 χ^2 /NDF: 17.8/39

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 192.118+/-0.062 χ^2/NDF : 3575311.3/16

Left Out: 205.216+/-0.036 χ^2/NDF : 1675690.5/22

Right Out: 173.728+/-0.057 χ^2/NDF : 4205626.6/18

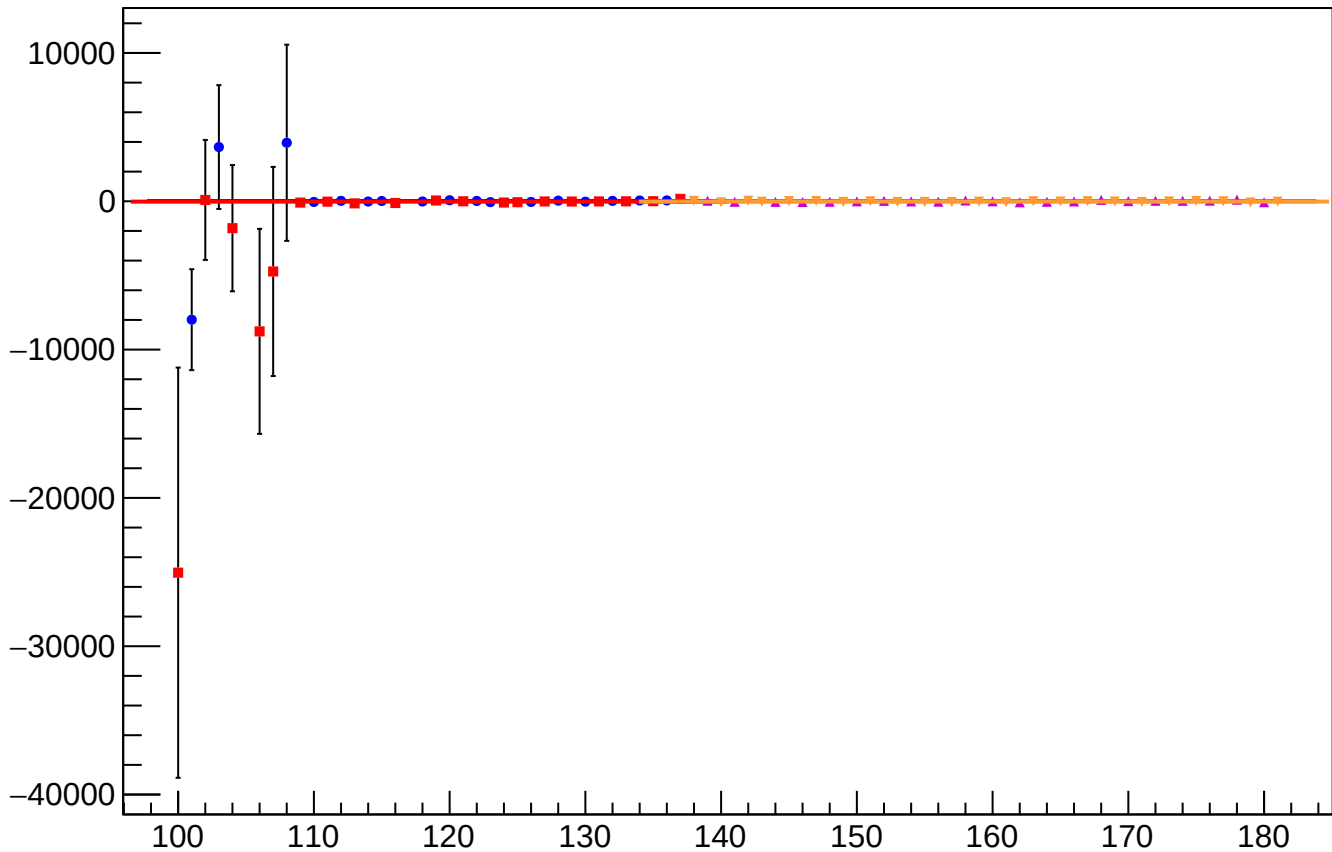
Left In: 187.517+/-0.034 χ^2/NDF : 1333514.8/20

+ sign 201.936+/-0.031 χ^2/NDF : 5284032.5/39

All: 192.381+/-0.021 χ^2/NDF : 11042444.9/79

- sign 183.900+/-0.029 χ^2/NDF : 5581655.6/39

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 14.225+/-13.662 χ^2/NDF : 14.8/16

Left Out: -21.201+/-7.555 χ^2/NDF : 16.9/22

Right Out: -22.859+/-13.697 χ^2/NDF : 27.3/18

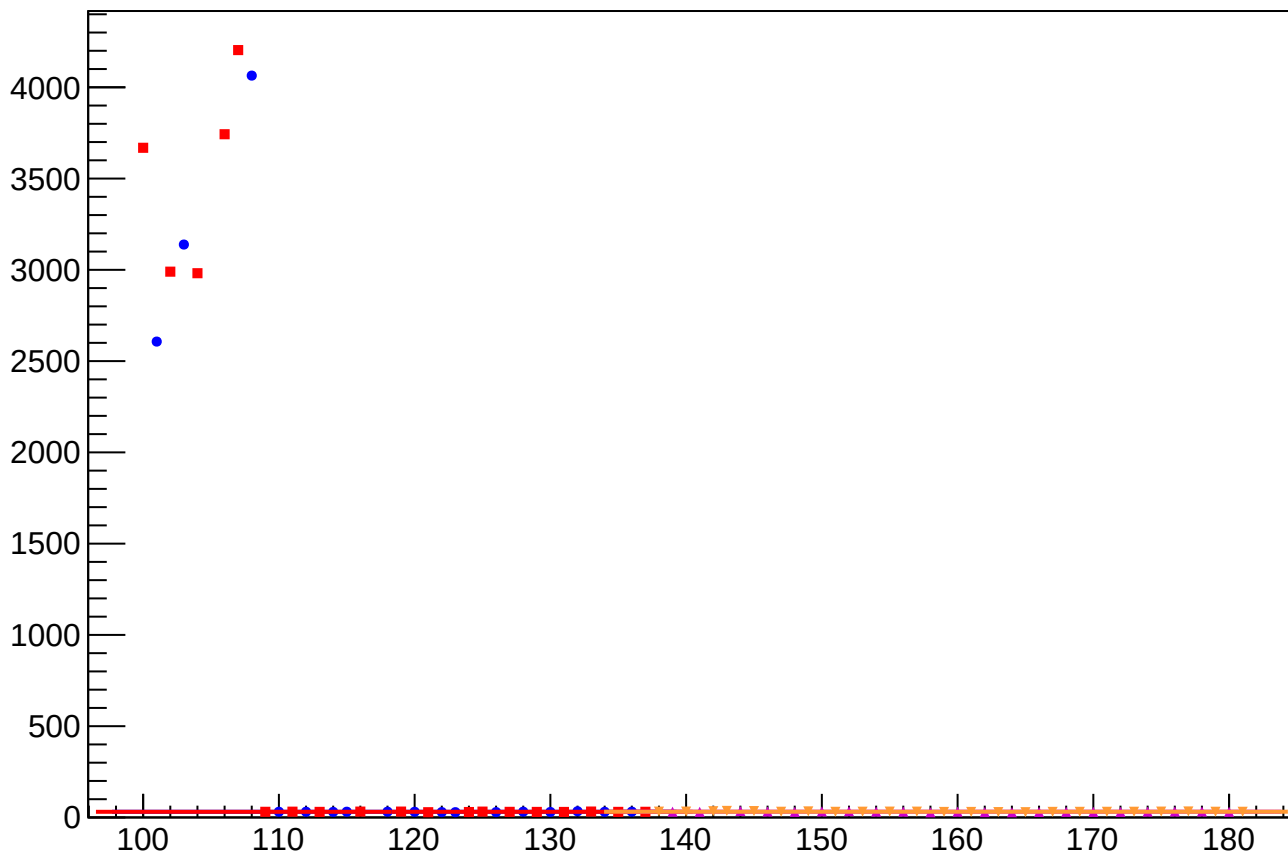
Left In: 4.330+/-7.807 χ^2/NDF : 37.1/20

+ sign -12.905+/-6.612 χ^2/NDF : 36.8/39

All: -7.756+/-4.734 χ^2/NDF : 105.5/79

- sign -2.337+/-6.782 χ^2/NDF : 67.4/39

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.158 $\pm$ 0.010 χ^2 /NDF: 3014166.6/16

Left Out: 31.463 $\pm$ 0.005 χ^2 /NDF: 76920.8/22

Right Out: 30.985 $\pm$ 0.010 χ^2 /NDF: 3458900.0/18

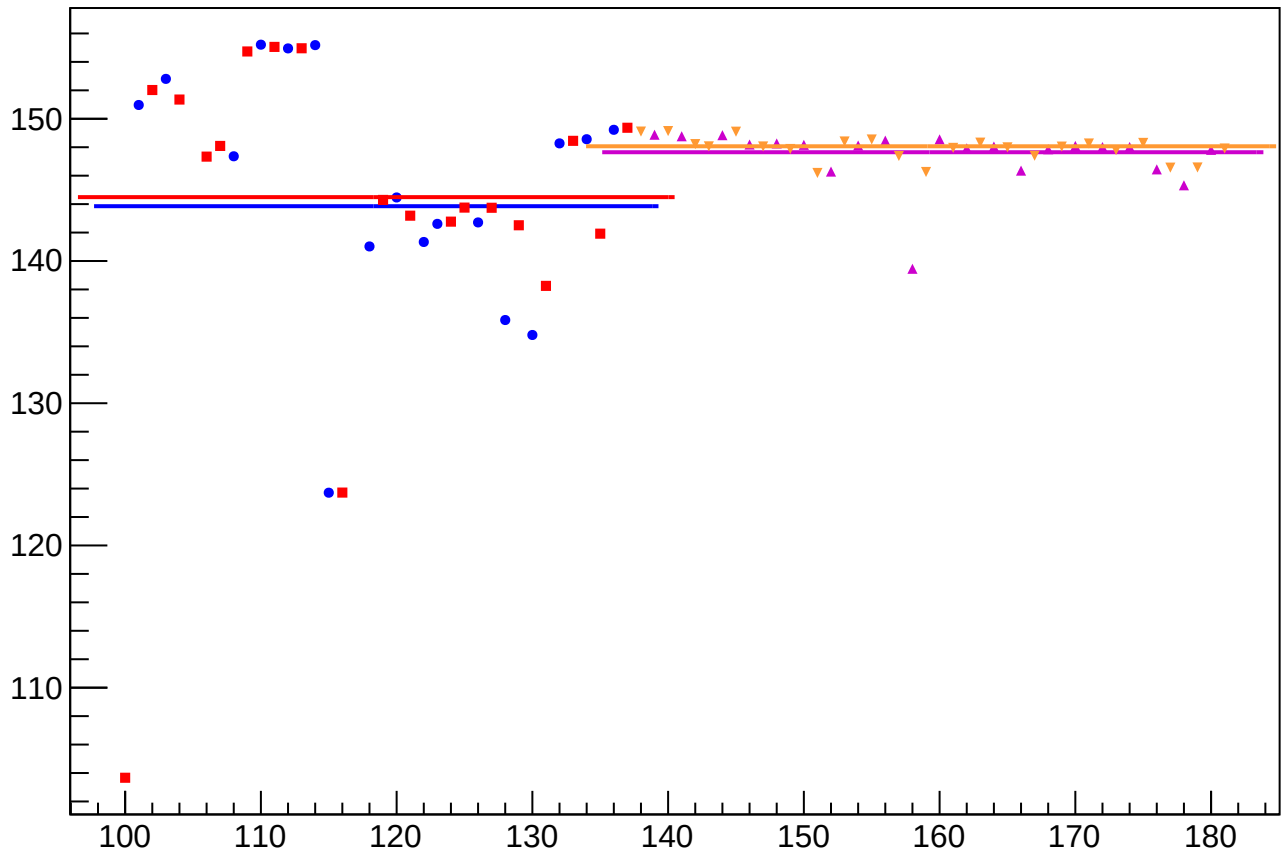
Left In: 31.443 $\pm$ 0.006 χ^2 /NDF: 87147.6/20

+ sign 31.392 $\pm$ 0.005 χ^2 /NDF: 3091853.9/39

All: 31.362 $\pm$ 0.003 χ^2 /NDF: 6639672.9/79

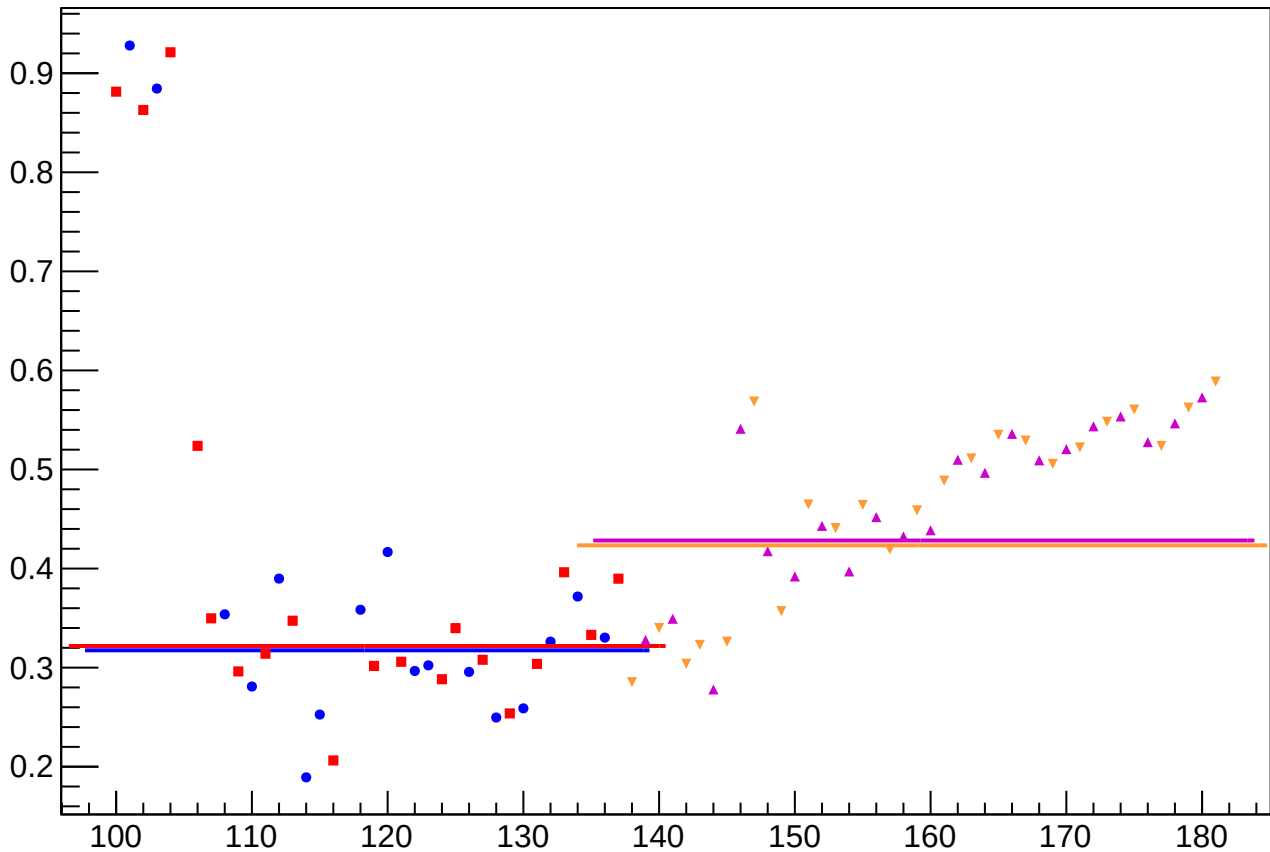
- sign 31.331 $\pm$ 0.005 χ^2 /NDF: 3547736.1/39

yield_bcm_an_ds_mean vs Slug



Right In: 143.854+/-0.000	χ^2/NDF : 3448306444.5/16	+ sign 146.457+/-0.000	χ^2/NDF : 4119753894.3/39
Left Out: 148.067+/-0.000	χ^2/NDF : 65573146.2/22	All: 146.413+/-0.000	χ^2/NDF : 8982587949.6
Right Out: 144.491+/-0.000	χ^2/NDF : 4184461794.3/18	- sign 146.367+/-0.000	χ^2/NDF : 4862268245.0/39
Left In: 147.648+/-0.000	χ^2/NDF : 343558335.9/20		

yield_bcm_an_ds_rms vs Slug



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1273243.2/16

Left Out: 0.423 $\pm$ 0.000 χ^2 /NDF:1721032.7/22

Right Out: 0.322 $\pm$ 0.000 χ^2 /NDF: 1215219.2/18

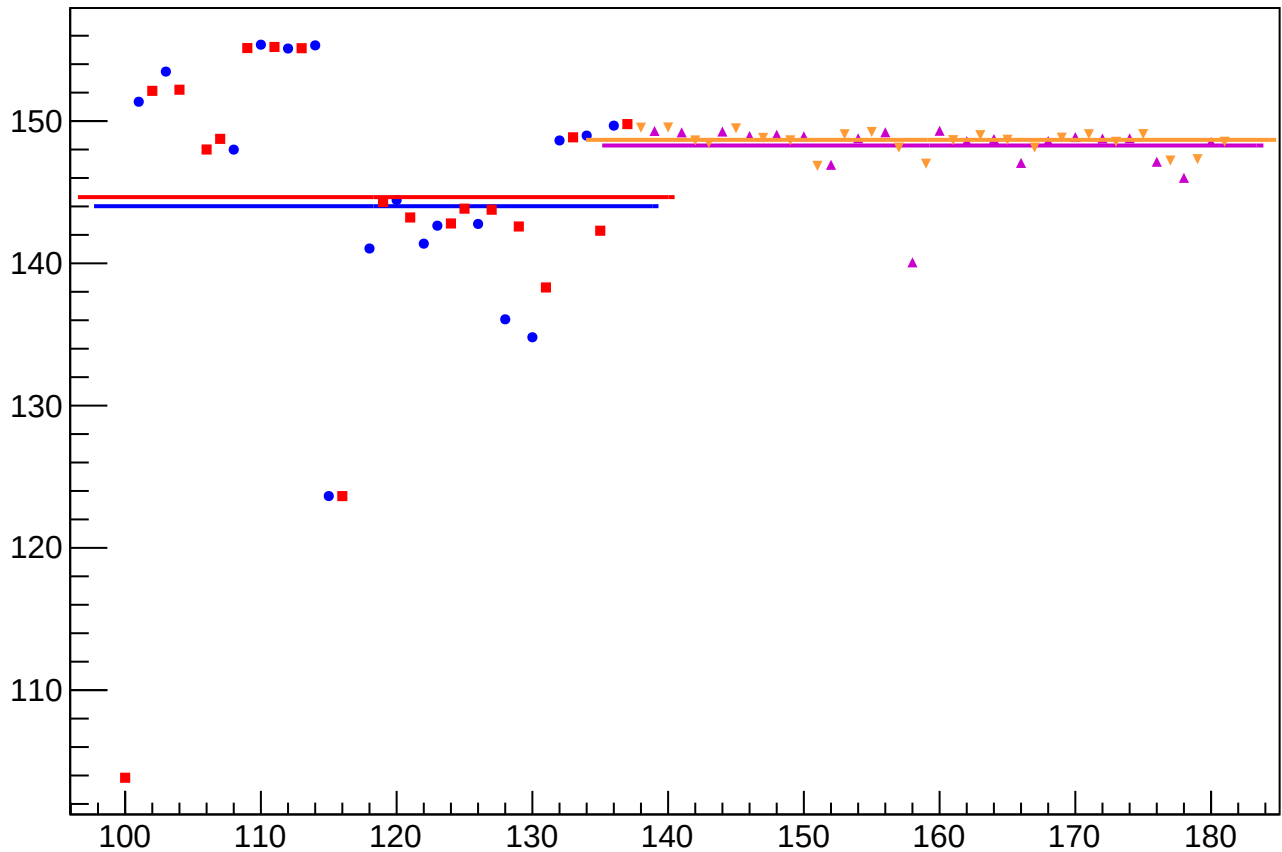
Left In: 0.428 $\pm$ 0.000 χ^2 /NDF:1356758.1/20

+ sign 0.383 $\pm$ 0.000 χ^2 /NDF: 3760391.3/39

All: 0.384 $\pm$ 0.000 χ^2 /NDF: 7093658.5/79

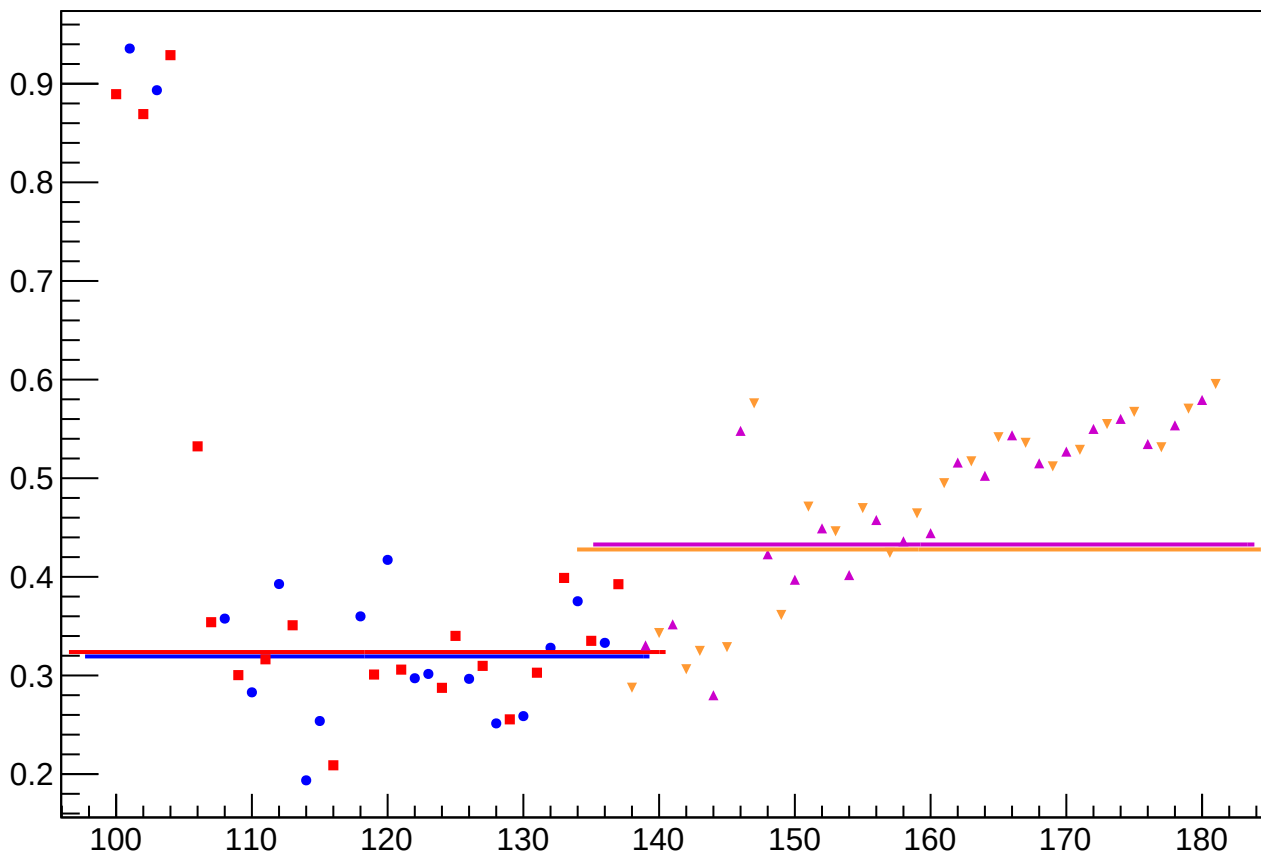
- sign 0.385 $\pm$ 0.000 χ^2 /NDF: 3332557.8/39

yield_bcm_an_ds3_mean vs Slug



Right In: 144.016+/-0.000	χ^2/NDF : 3492221319.5/16	+ sign 146.887+/-0.000	χ^2/NDF : 4275997348.2/39
Left Out: 148.680+/-0.000	χ^2/NDF : 52514317.5/22	All: 146.846+/-0.000	χ^2/NDF : 9251692297.0
Right Out: 144.655+/-0.000	χ^2/NDF : 4208783732.4/18	- sign 146.803+/-0.000	χ^2/NDF : 4975202959.4/39
Left In: 148.283+/-0.000	χ^2/NDF : 332037254.5/20		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.319 $\pm$ 0.000 χ^2 /NDF: 1274809.7/16

Left Out: 0.428 $\pm$ 0.000 χ^2 /NDF:1751112.8/22

Right Out: 0.324 $\pm$ 0.000 χ^2 /NDF: 1217547.6/18

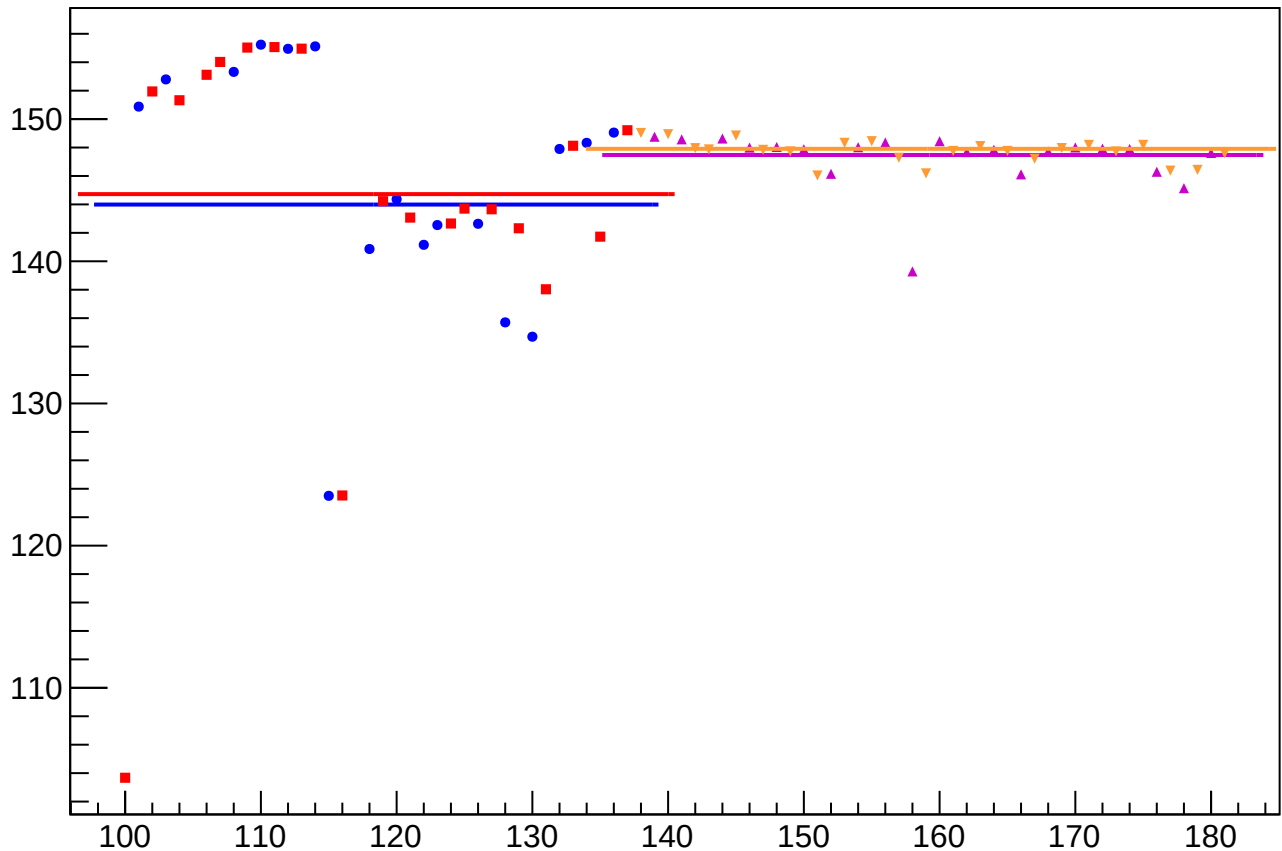
Left In: 0.433 $\pm$ 0.000 χ^2 /NDF:1380471.2/20

+ sign 0.386 $\pm$ 0.000 χ^2 /NDF: 3816697.8/39

All: 0.387 $\pm$ 0.000 χ^2 /NDF: 7200283.0/79

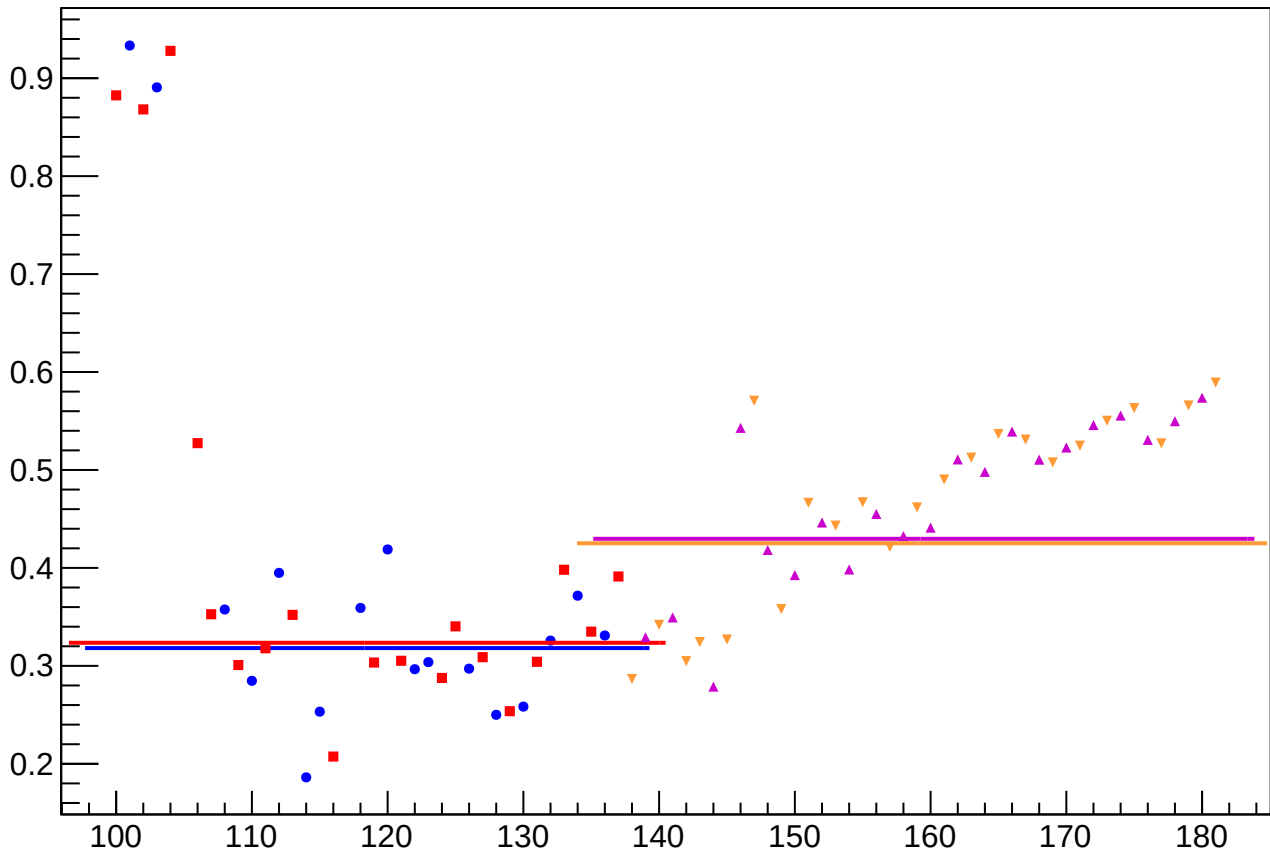
- sign 0.388 $\pm$ 0.000 χ^2 /NDF: 3382859.5/39

yield_bcm_an_us_mean vs Slug



Right In: 143.990 $\pm$ 0.000	χ^2 /NDF: 3661758828.8/16	+ sign 146.410 $\pm$ 0.000	χ^2 /NDF: 4247065503.4/39
Left Out: 147.910 $\pm$ 0.000	χ^2 /NDF: 64265160.3/22	All: 146.386 $\pm$ 0.000	χ^2 /NDF: 9315613332.5
Right Out: 144.724 $\pm$ 0.000	χ^2 /NDF: 4474261871.8/18	- sign 146.362 $\pm$ 0.000	χ^2 /NDF: 5068388906.7/39
Left In: 147.476 $\pm$ 0.000	χ^2 /NDF: 342540473.3/20		

yield_bcm_an_us_rms vs Slug



Right In: 0.318 ± 0.000 χ^2/NDF : 1287972.7/16

Left Out: 0.425 ± 0.000 χ^2/NDF : 1722582.8/22

Right Out: 0.324 ± 0.000 χ^2/NDF : 1220104.3/18

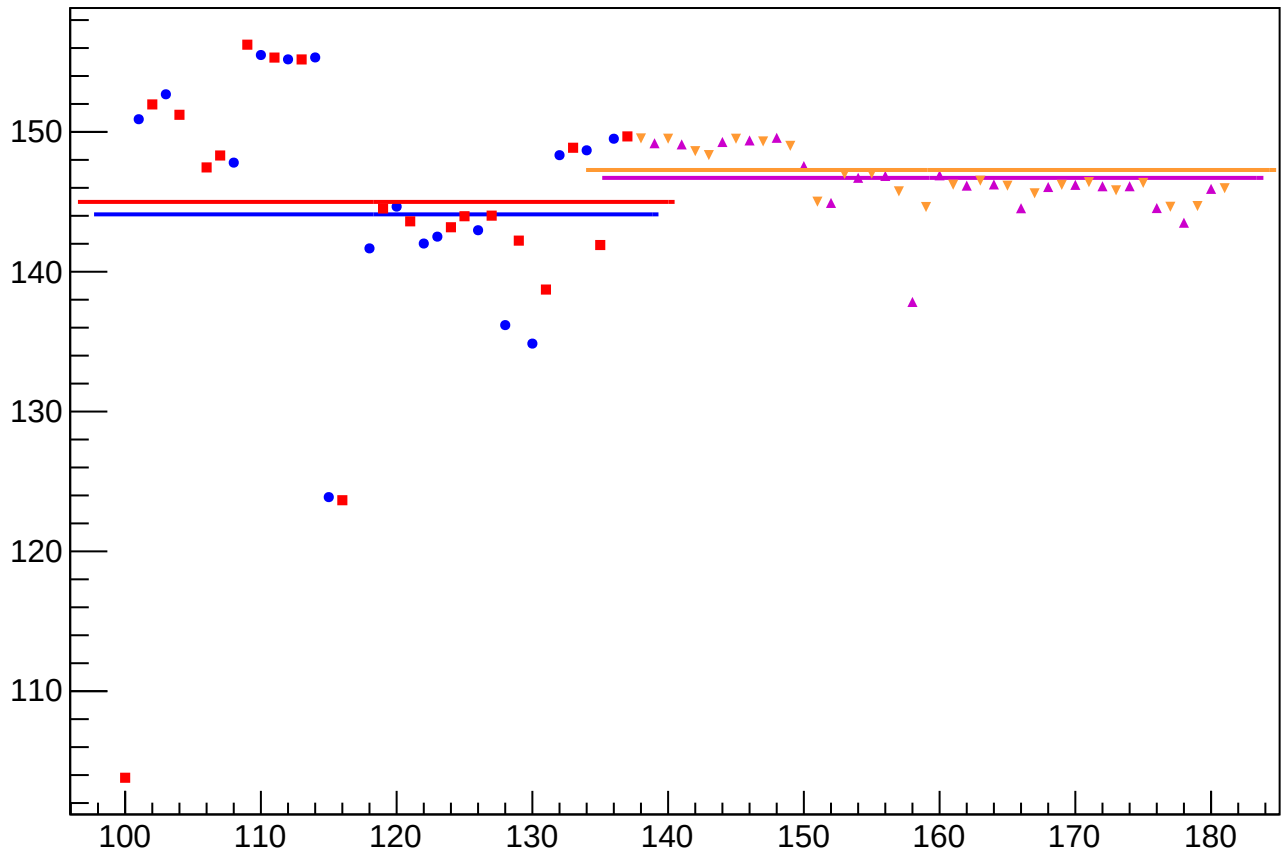
Left In: 0.430 ± 0.000 χ^2/NDF : 1364563.0/20

+ sign 0.384 ± 0.000 χ^2/NDF : 3787117.7/39

All: 0.385 ± 0.000 χ^2/NDF : 7121470.2/79

- sign 0.387 ± 0.000 χ^2/NDF : 3333424.8/39

yield_bcm_dg_us_mean vs Slug



Right In: 144.104 $\pm$ 0.000 χ^2 /NDF: 3160280337.5/16

Left Out: 147.277 $\pm$ 0.000 χ^2 /NDF: 255655160.6/22

Right Out: 144.995 $\pm$ 0.000 χ^2 /NDF: 3854490205.5/18

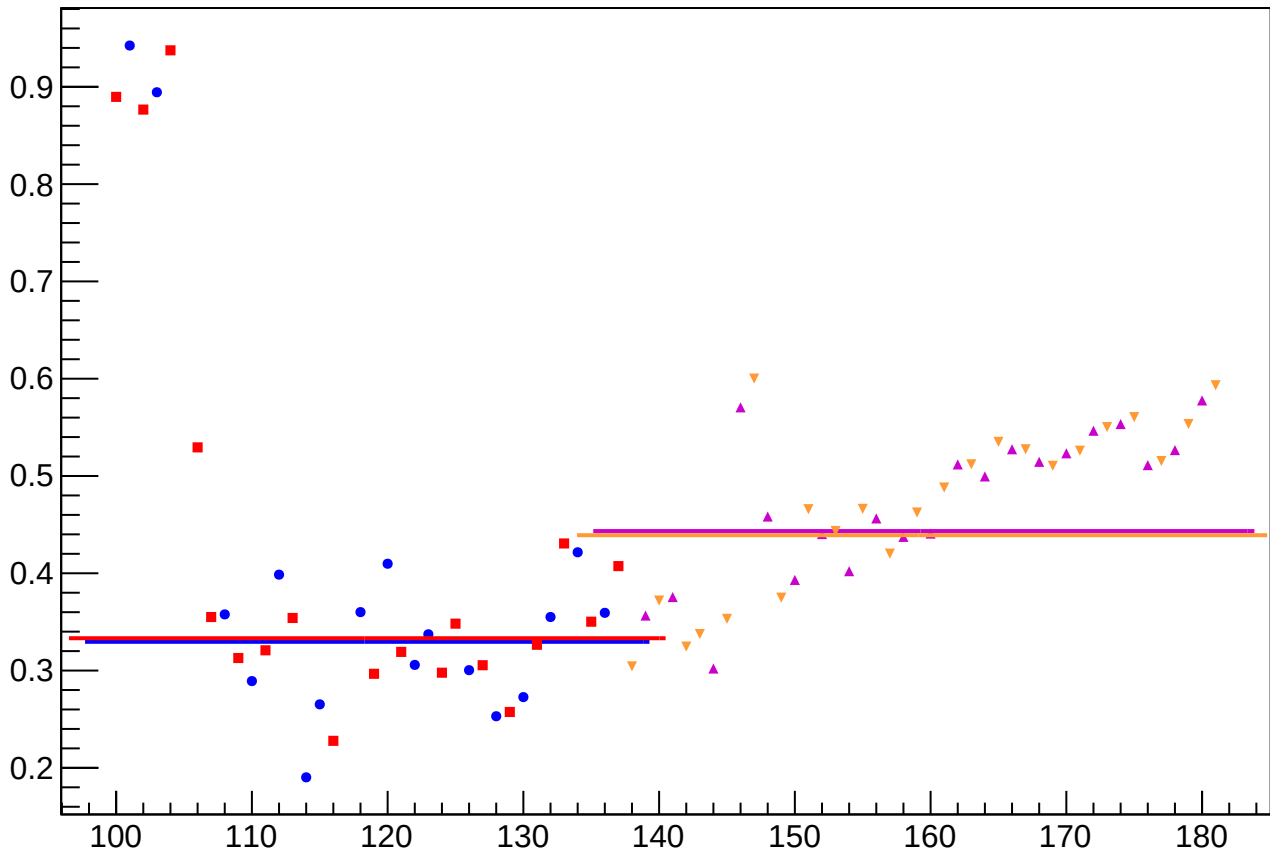
Left In: 146.712 $\pm$ 0.000 χ^2 /NDF: 553401036.0/20

+ sign 146.076 $\pm$ 0.000 χ^2 /NDF: 3735516944.4/39

All: 146.049 $\pm$ 0.000 χ^2 /NDF: 8236249352.6

- sign 146.020 $\pm$ 0.000 χ^2 /NDF: 4500528733.3/39

yield_bcm_dg_us_rms vs Slug



Right In: 0.330 ± 0.000 χ^2/NDF : 1270354.0/16

Left Out: 0.439 ± 0.000 χ^2/NDF : 1335744.7/22

Right Out: 0.333 ± 0.000 χ^2/NDF : 1179001.1/18

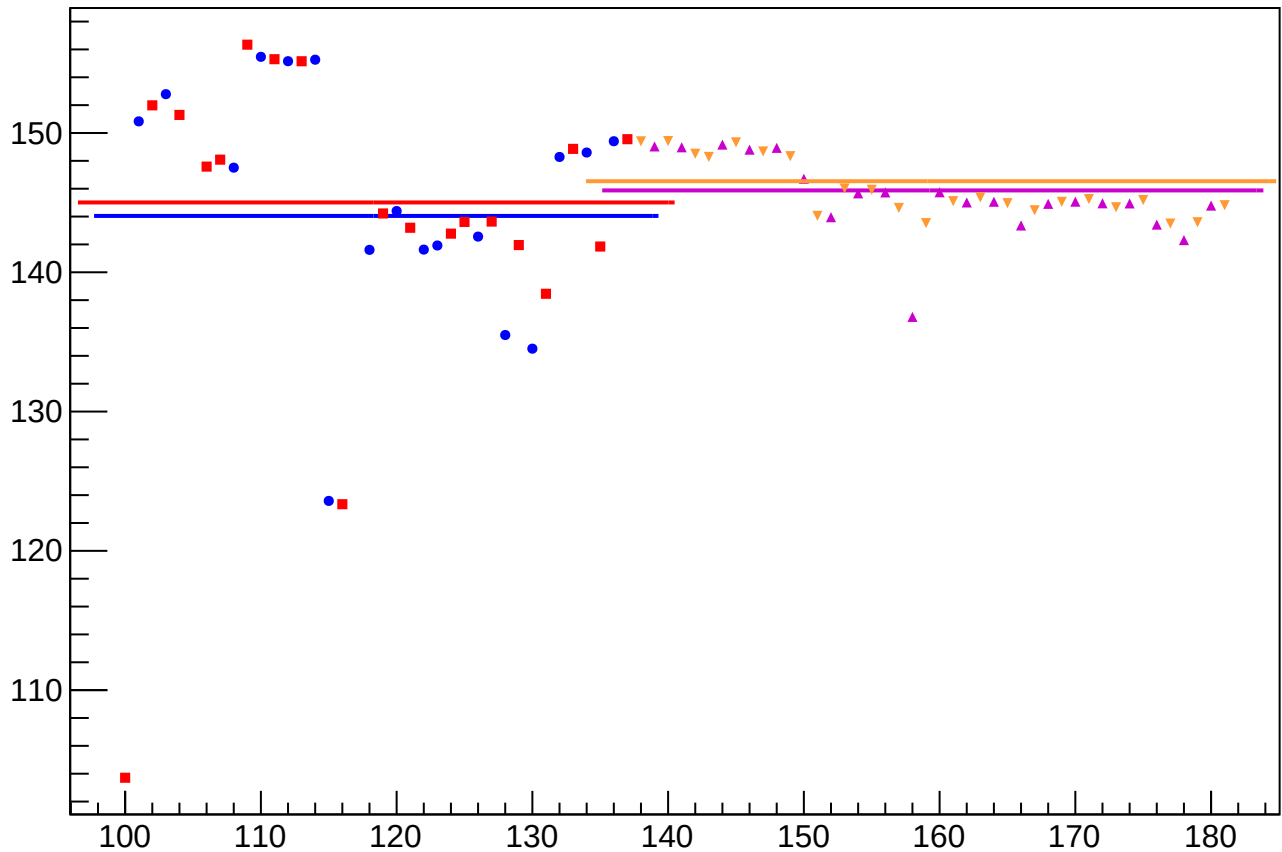
Left In: 0.443 ± 0.000 χ^2/NDF : 1015322.3/20

+ sign 0.398 ± 0.000 χ^2/NDF : 3367967.1/39

All: 0.398 ± 0.000 χ^2/NDF : 6324445.8/79

- sign 0.399 ± 0.000 χ^2/NDF : 2956229.5/39

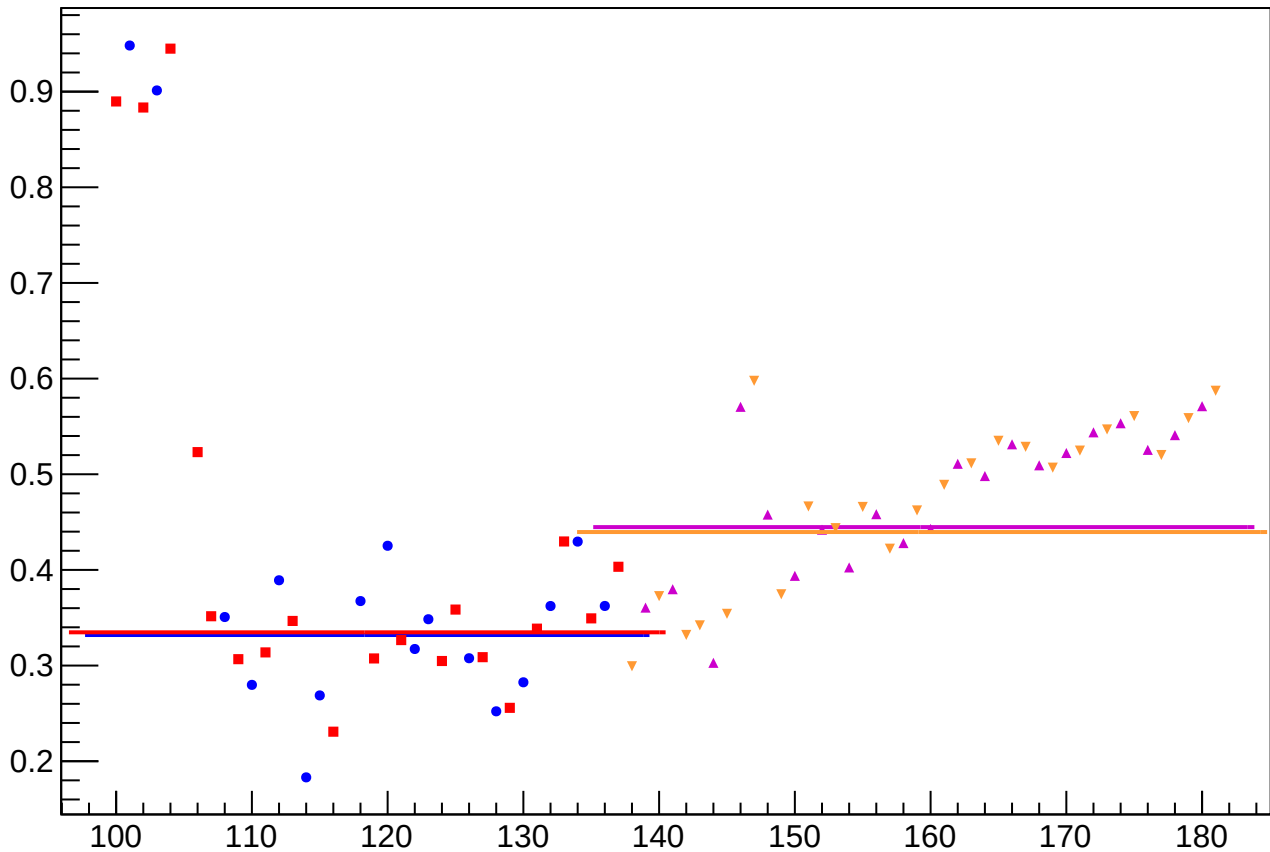
yield_bcm_dg_ds_mean vs Slug



Right In: 144.046 ± 0.000 χ^2/NDF : 3279467915.9/16
 Left Out: 146.538 ± 0.000 χ^2/NDF : 389599869.1/22
 Right Out: 145.013 ± 0.000 χ^2/NDF : 3930693089.2/18
 Left In: 145.877 ± 0.000 χ^2/NDF : 686640869.2/20

+ sign 145.603 ± 0.000 χ^2/NDF : 3863810861.1/39
 All: 145.567 ± 0.000 χ^2/NDF : 8504714802.3
 - sign 145.530 ± 0.000 χ^2/NDF : 4640549054.0/39

yield_bcm_dg_ds_rms vs Slug



Right In: 0.332 $\pm$ 0.000 χ^2 /NDF: 1287882.2/16

Left Out: 0.440 $\pm$ 0.000 χ^2 /NDF:1325782.0/22

Right Out: 0.335 $\pm$ 0.000 χ^2 /NDF: 1168458.2/18

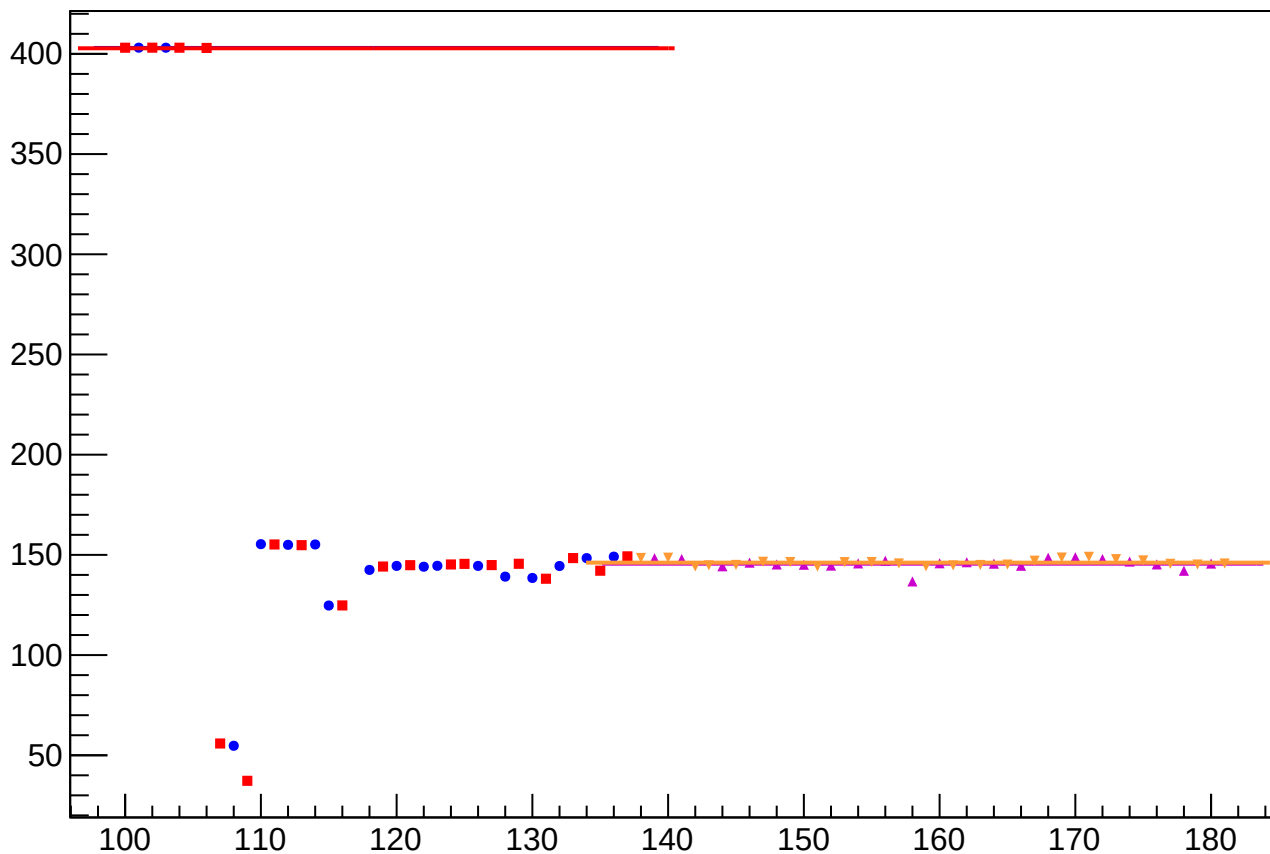
Left In: 0.445 $\pm$ 0.000 χ^2 /NDF:998810.3/20

+ sign 0.399 $\pm$ 0.000 χ^2 /NDF: 3340130.3/39

All: 0.400 $\pm$ 0.000 χ^2 /NDF: 6260088.7/79

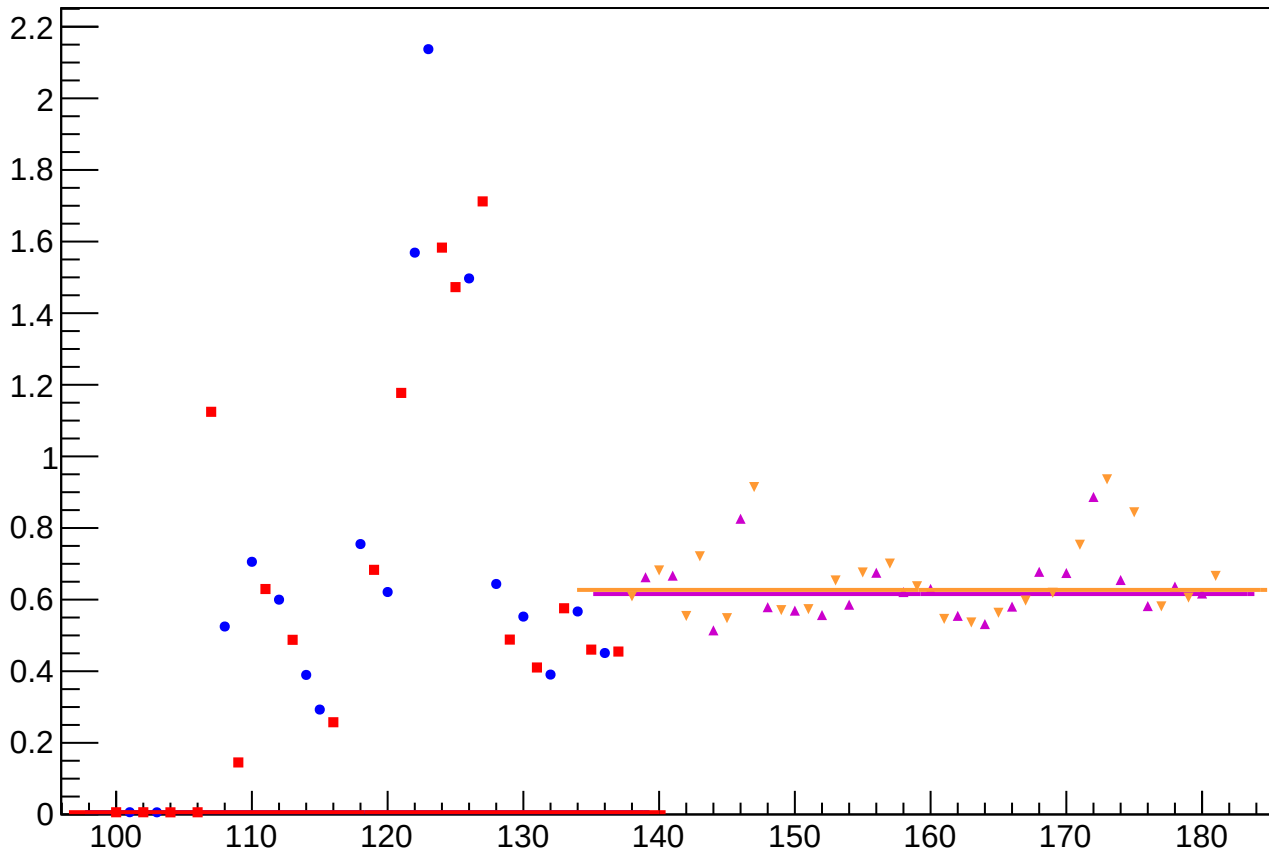
- sign 0.401 $\pm$ 0.000 χ^2 /NDF: 2919723.2/39

yield_cav4bQ_mean vs Slug



Right In: 402.957+/-0.000	χ^2/NDF : 1097981079296.6/16	+ sign 402.676+/-0.000	χ^2/NDF : 3351020557092.5
Left Out: 146.123+/-0.000	χ^2/NDF : 77084309.8/22	All: 402.611+/-0.000	χ^2/NDF : 86694959762
Right Out: 402.798+/-0.000	χ^2/NDF : 3106239706226.1/18	- sign 402.554+/-0.000	χ^2/NDF : 5318232812654.3/
Left In: 145.606+/-0.000	χ^2/NDF : 191877500.5/20		

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9127939.0/16

Left Out: 0.627+/-0.000 χ^2/NDF :565109.2/22

Right Out: 0.006+/-0.000 χ^2/NDF : 9171738.5/18

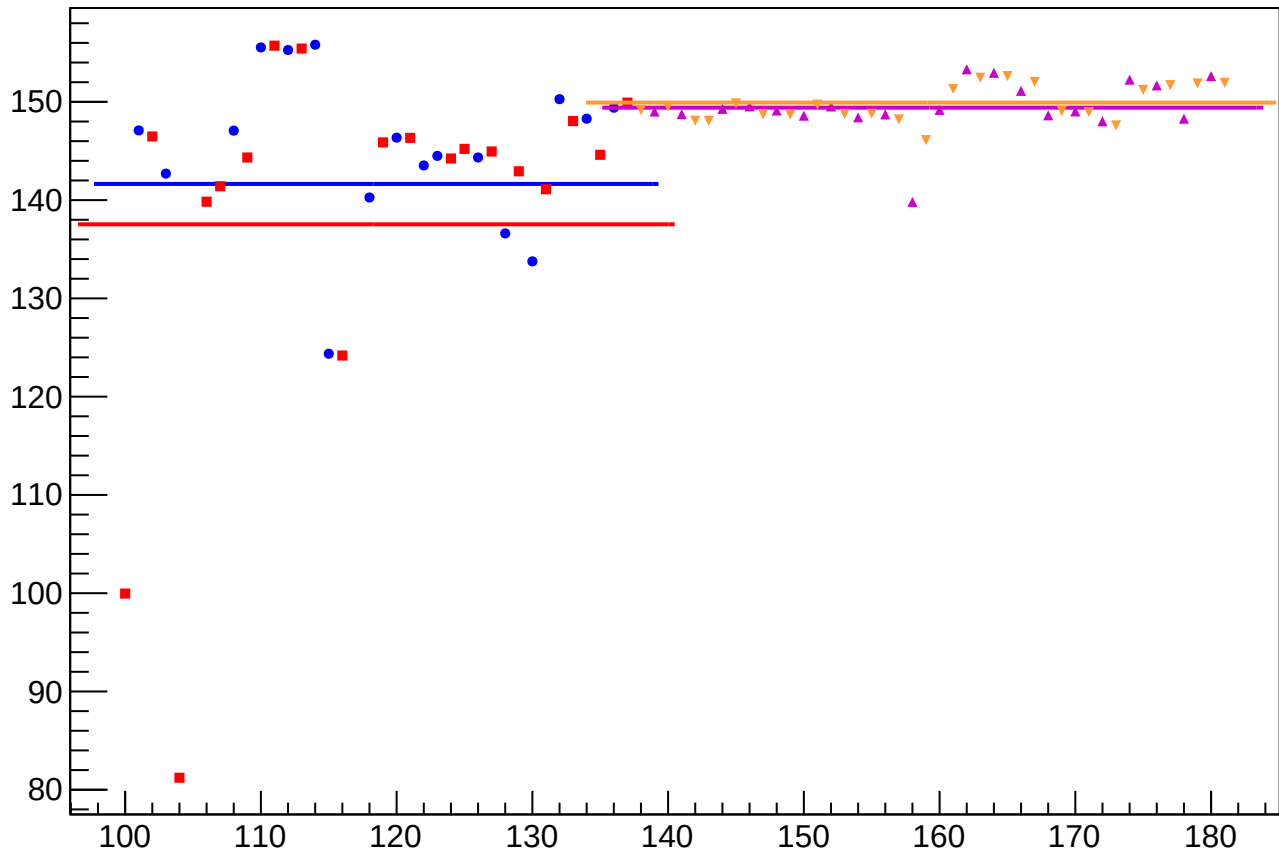
Left In: 0.616+/-0.000 χ^2/NDF :352129.5/20

+ sign 0.007+/-0.000 χ^2/NDF : 36019619.2/39

All: 0.007+/-0.000 χ^2/NDF : 70363119.5/79

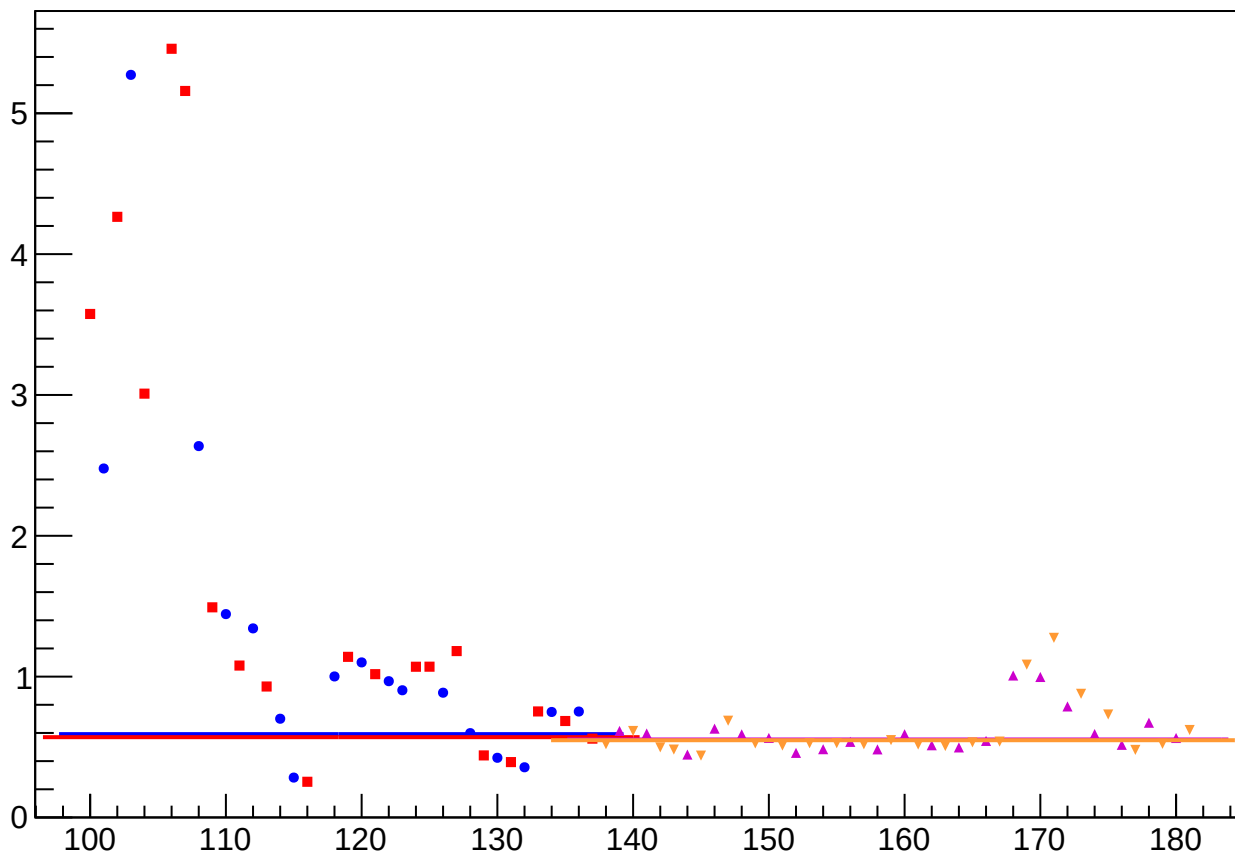
- sign 0.007+/-0.000 χ^2/NDF : 34343068.7/39

yield_cav4cQ_mean vs Slug



Right In: 141.649 ± 0.000 χ^2/NDF : 978960977.0/16
 Left Out: 149.926 ± 0.000 χ^2/NDF : 161074884.6/22
 Right Out: 137.540 ± 0.000 χ^2/NDF : 1319926808.9/18
 Left In: 149.408 ± 0.000 χ^2/NDF : 433147525.2/20
 All: 147.890 ± 0.000 χ^2/NDF : 4724229005.1
 + sign 148.531 ± 0.000 χ^2/NDF : 1715269748.2/39
 - sign 147.214 ± 0.000 χ^2/NDF : 2958344836.4/39

yield_cav4cQ_rms vs Slug



Right In: 0.592 $\pm$ 0.000 χ^2 /NDF: 3518726.1/16

Left Out: 0.548 $\pm$ 0.000 χ^2 /NDF:1367671.3/22

Right Out: 0.570 $\pm$ 0.000 χ^2 /NDF: 4645113.2/18

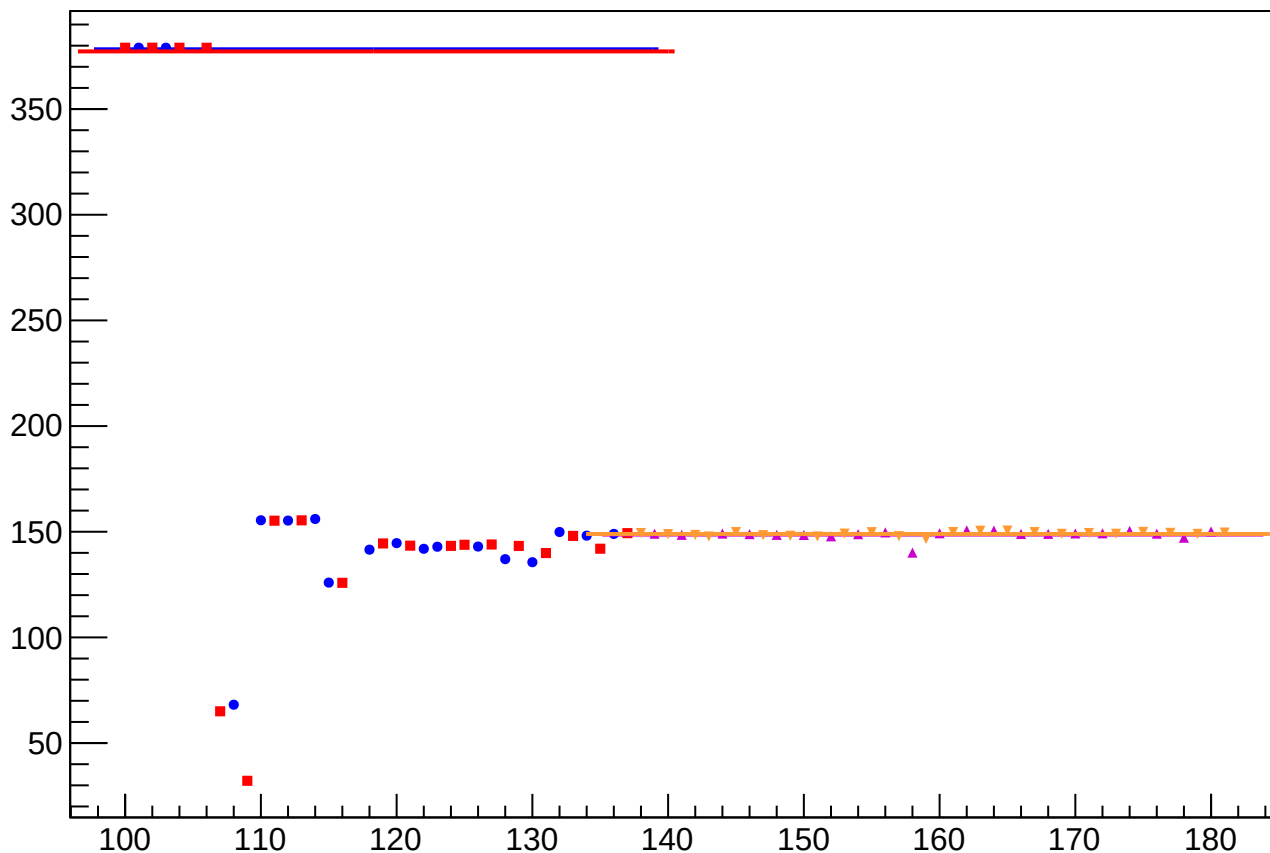
Left In: 0.554 $\pm$ 0.000 χ^2 /NDF:1015461.1/20

+ sign 0.556 $\pm$ 0.000 χ^2 /NDF: 4917784.4/39

All: 0.556 $\pm$ 0.000 χ^2 /NDF: 10583005.6/79

- sign 0.557 $\pm$ 0.000 χ^2 /NDF: 5665158.6/39

yield_cav4dQ_mean vs Slug



Right In: 378.288+/-0.000 χ^2/NDF : 2492505563660.4/16

Left Out: 148.944+/-0.000 χ^2/NDF : 64696148.1/22

Right Out: 377.290+/-0.000 χ^2/NDF : 8277094761031.6/18

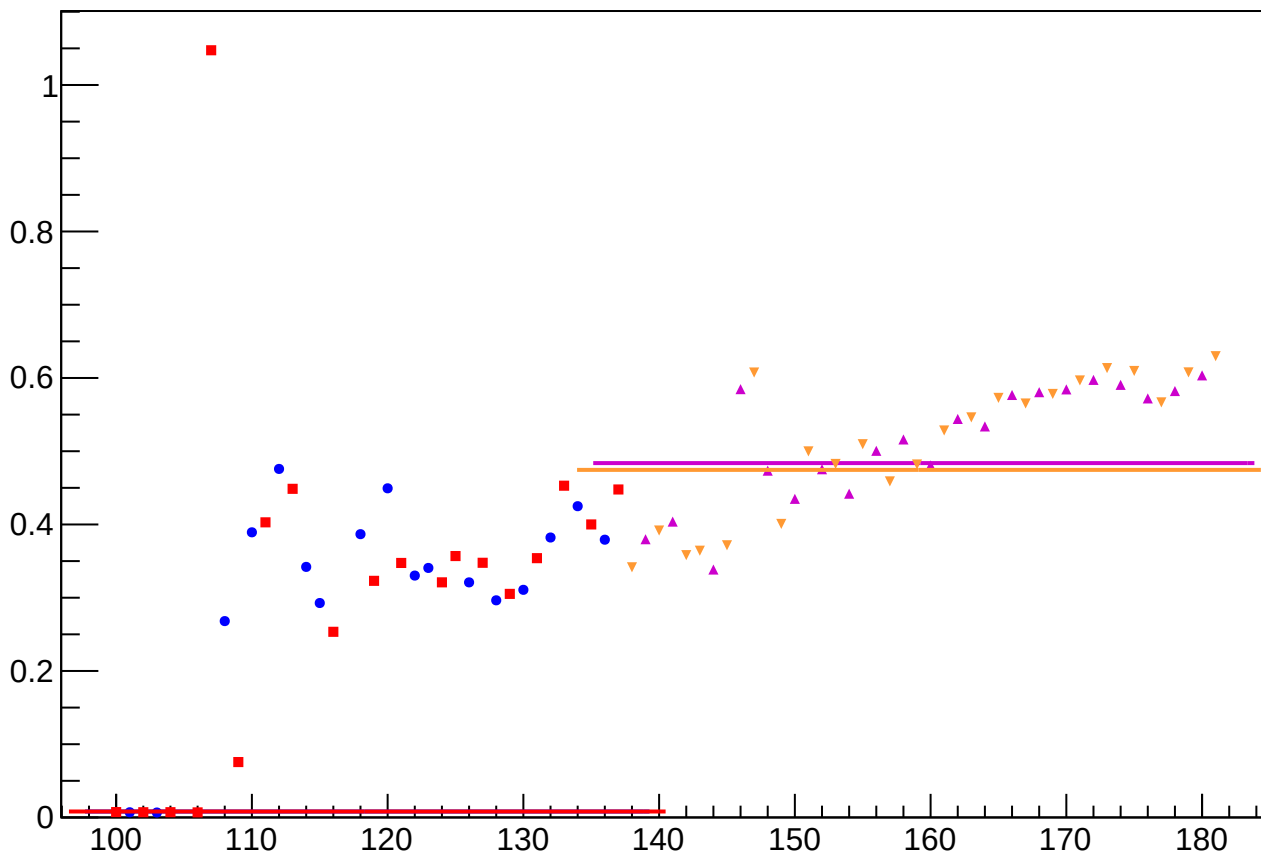
Left In: 148.665+/-0.000 χ^2/NDF : 252755502.9/20

+ sign 377.051+/-0.000 χ^2/NDF : 6267849293558.7

All: 376.652+/-0.000 χ^2/NDF : 179772307852

- sign 376.302+/-0.000 χ^2/NDF : 11705383000208.5

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 9842025.8/16

Left Out: 0.475+/-0.000 χ^2/NDF :1338744.0/22

Right Out: 0.008+/-0.000 χ^2/NDF : 9491450.8/18

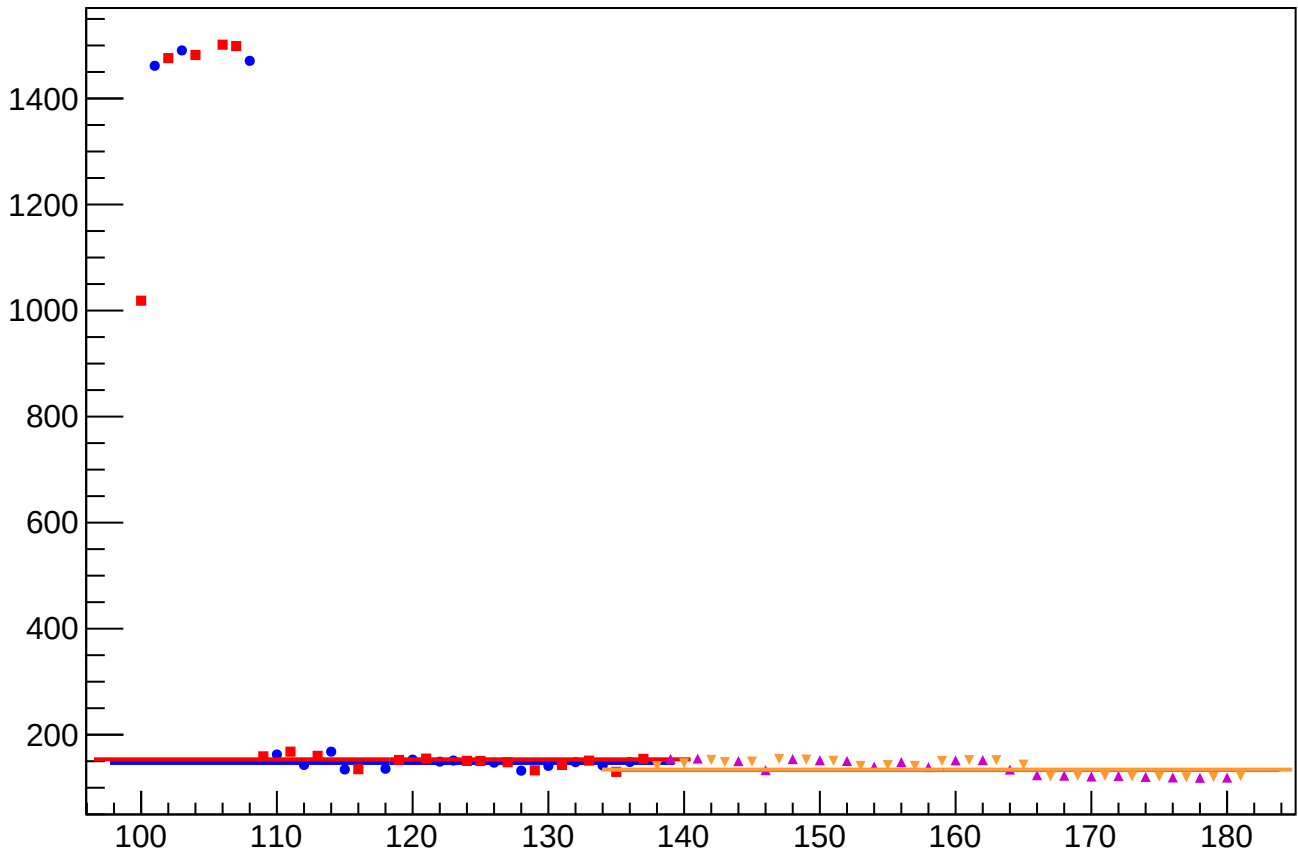
Left In: 0.484+/-0.000 χ^2/NDF :956872.5/20

+ sign 0.011+/-0.000 χ^2/NDF : 42408331.5/39

All: 0.010+/-0.000 χ^2/NDF : 82535356.7/79

- sign 0.010+/-0.000 χ^2/NDF : 40124311.4/39

yield_bcm0l02_mean vs Slug



Right In: 146.782 $\pm$ 0.000 χ^2 /NDF: 24345208780.4/16

Left Out: 134.195 $\pm$ 0.000 χ^2 /NDF: 4228279560.3/22

Right Out: 153.596 $\pm$ 0.000 χ^2 /NDF: 33791266543.9/18

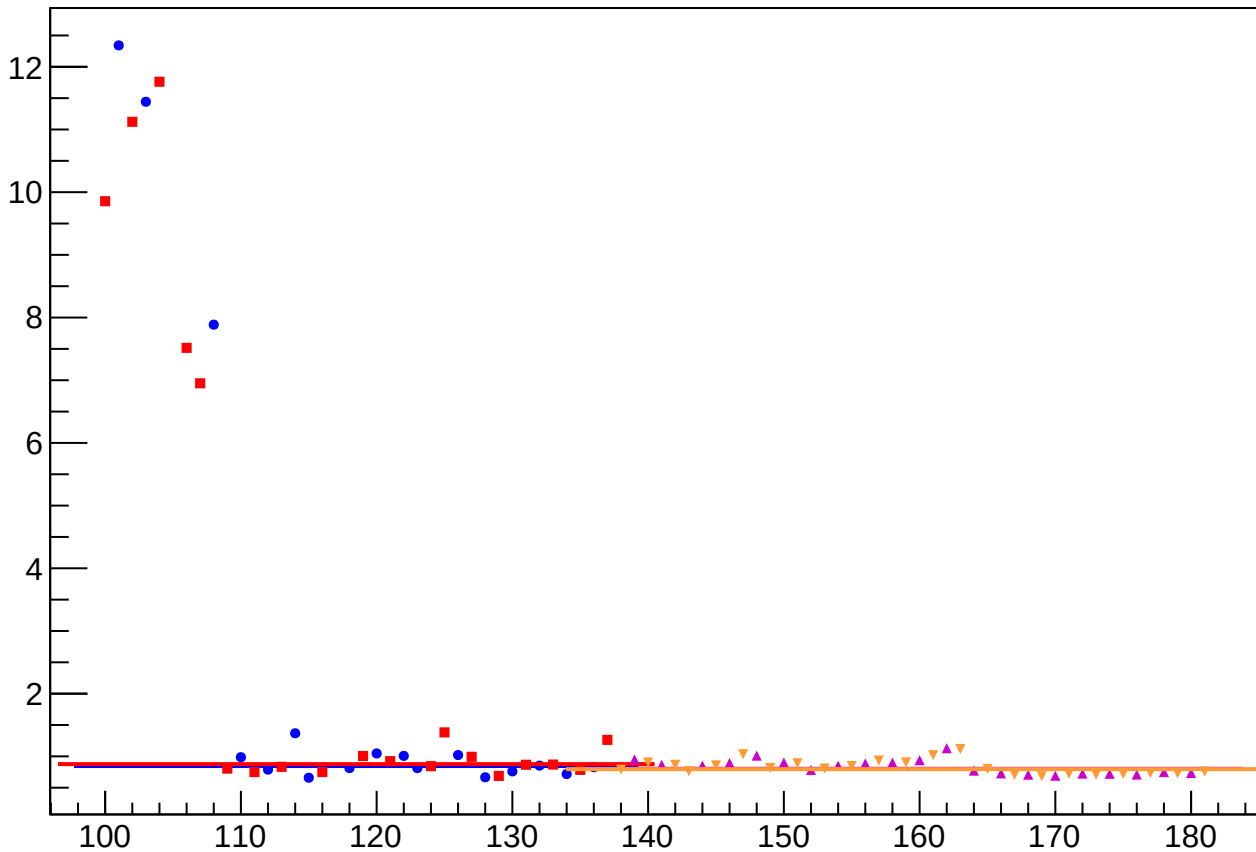
Left In: 133.384 $\pm$ 0.000 χ^2 /NDF: 4282335591.5/20

+ sign 136.542 $\pm$ 0.000 χ^2 /NDF: 29259972555.5/39

All: 136.941 $\pm$ 0.000 χ^2 /NDF: 69083770159.

- sign 137.362 $\pm$ 0.000 χ^2 /NDF: 39814476404.3/39

yield_bcm0l02_rms vs Slug



Right In: 0.846 ± 0.000 χ^2/NDF : 2658649.7/16

Left Out: 0.796 ± 0.000 χ^2/NDF : 482491.0/22

Right Out: 0.876 ± 0.000 χ^2/NDF : 2826804.8/18

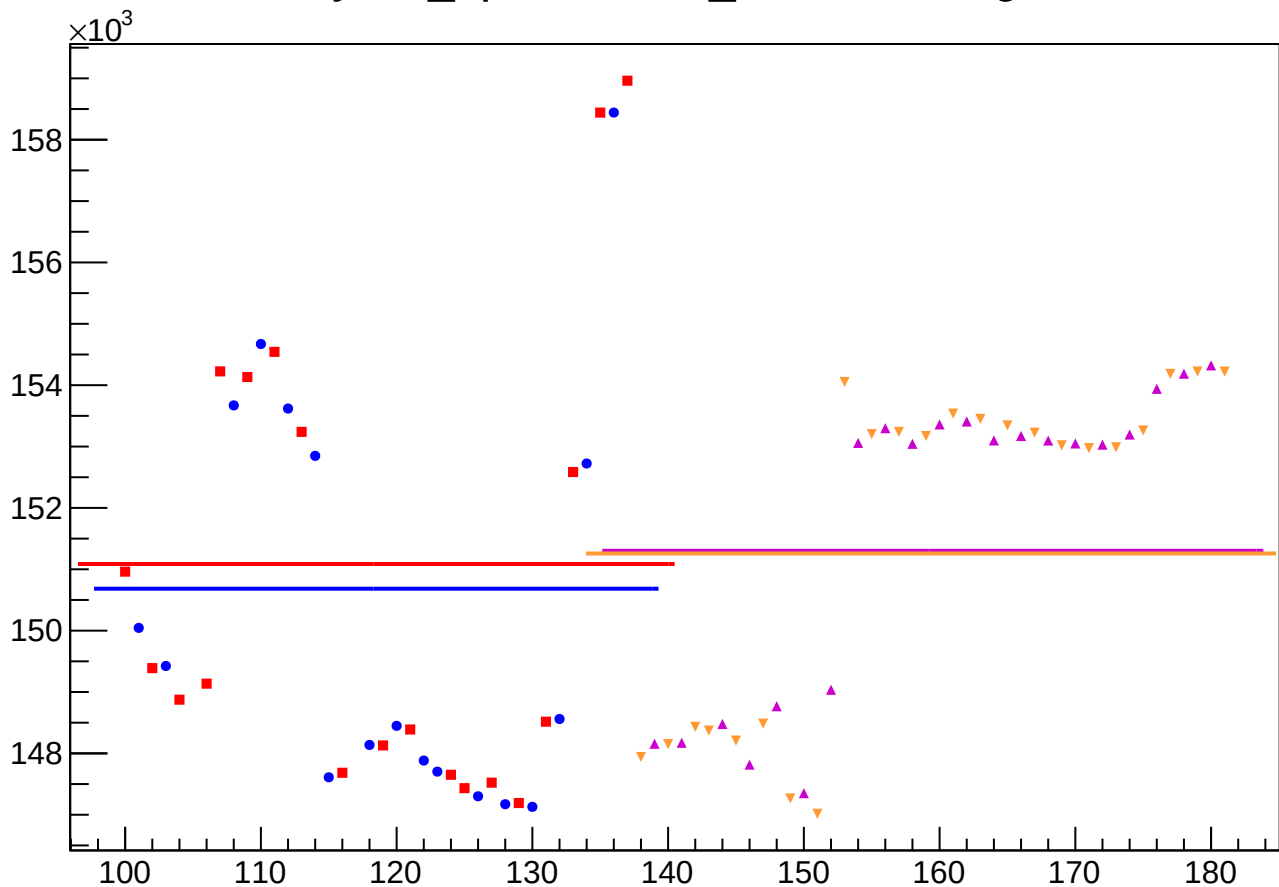
Left In: 0.802 ± 0.000 χ^2/NDF : 459545.3/20

+ sign 0.805 ± 0.000 χ^2/NDF : 3162569.3/39

All: 0.811 ± 0.000 χ^2/NDF : 6499508.7/79

- sign 0.816 ± 0.000 χ^2/NDF : 3333524.1/39

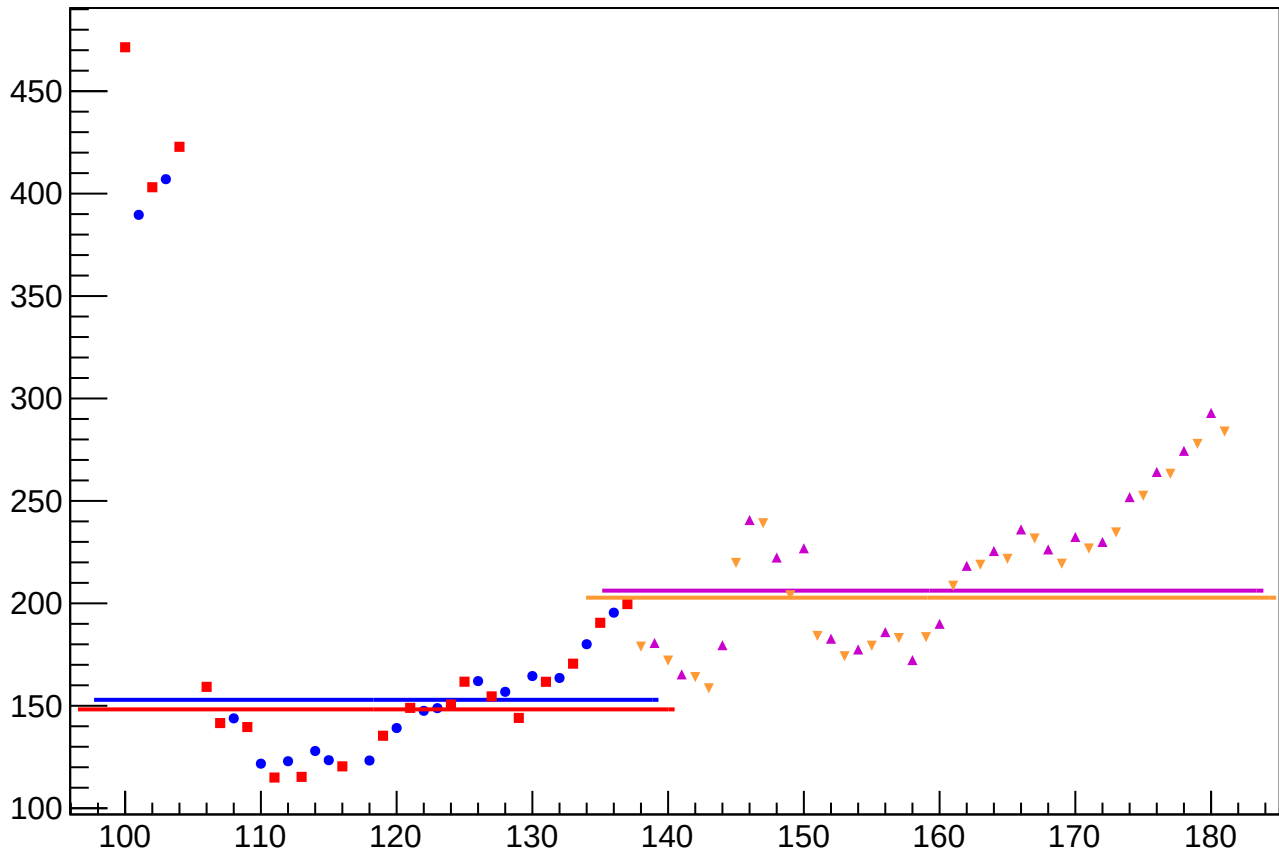
yield_bpm0i01WS_mean vs Slug



Right In: 150683.304 $\pm$ 0.063 χ^2 /NDF: 3299311261.5/16
 Left Out: 151257.277 $\pm$ 0.049 χ^2 /NDF: 3031826938.9/22
 Right Out: 151086.261 $\pm$ 0.060 χ^2 /NDF: 3297509595.7/18
 Left In: 151301.416 $\pm$ 0.052 χ^2 /NDF: 2286922942.1/20

+ sign 151038.770 $\pm$ 0.039 χ^2 /NDF: 6382389788.3
 All: 151123.131 $\pm$ 0.028 χ^2 /NDF: 119836673
 - sign 151208.681 $\pm$ 0.039 χ^2 /NDF: 5591819437.7

yield_bpm0i01WS_rms vs Slug



Right In: 152.916 $\pm$ 0.045 χ^2 /NDF: 1154367.4/16

Left Out: 202.771 $\pm$ 0.035 χ^2 /NDF: 878662.0/22

Right Out: 148.245 $\pm$ 0.042 χ^2 /NDF: 1189017.0/18

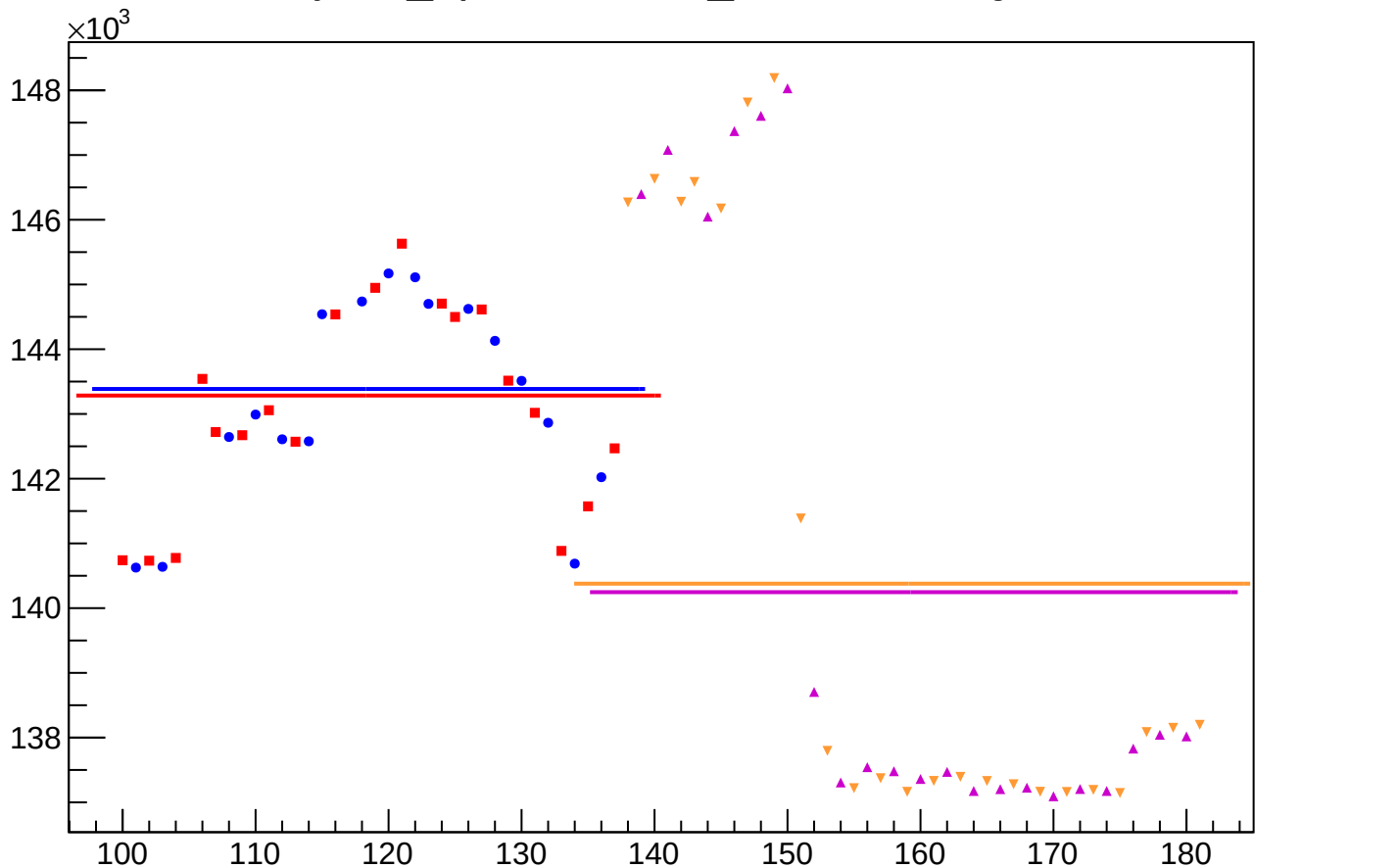
Left In: 206.203 $\pm$ 0.037 χ^2 /NDF: 833239.5/20

+ sign 183.792 $\pm$ 0.028 χ^2 /NDF: 2806380.6/39

All: 182.516 $\pm$ 0.020 χ^2 /NDF: 5905011.1/79

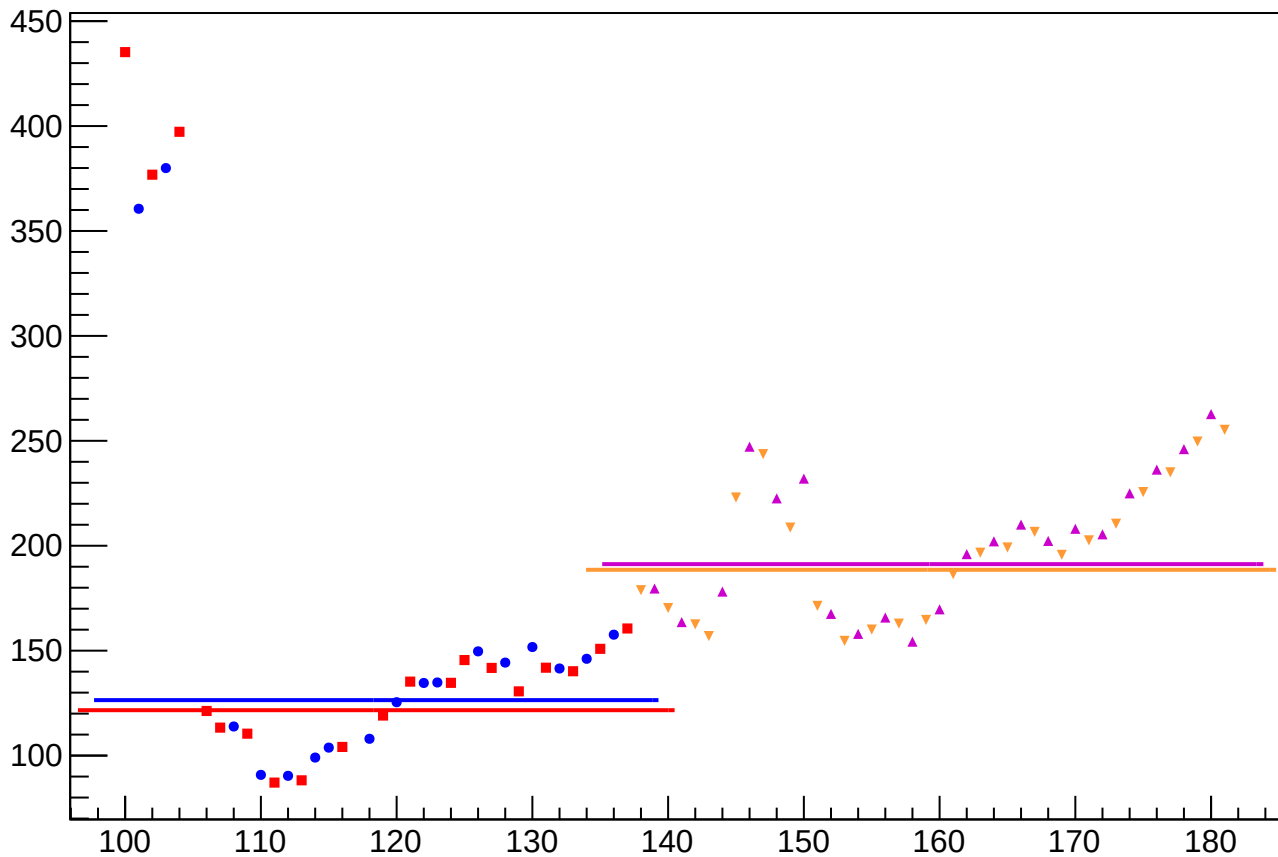
- sign 181.222 $\pm$ 0.028 χ^2 /NDF: 3094305.3/39

yield_bpm0i01aWS_mean vs Slug



Right In: 143385.822 $\pm$ 0.053 χ^2/NDF : 520518329.3/16
 Left Out: 140377.983 $\pm$ 0.046 χ^2/NDF : 8495522966.3/22
 Right Out: 143284.246 $\pm$ 0.049 χ^2/NDF : 608478885.8/18
 Left In: 140246.636 $\pm$ 0.048 χ^2/NDF : 7941987811.1/20

yield_bpm0i01aWS_rms vs Slug



Right In: 126.427 $\pm$ 0.037 χ^2 /NDF: 1442156.7/16

Left Out: 188.535 $\pm$ 0.033 χ^2 /NDF: 793390.6/22

Right Out: 121.629 $\pm$ 0.035 χ^2 /NDF: 1458546.9/18

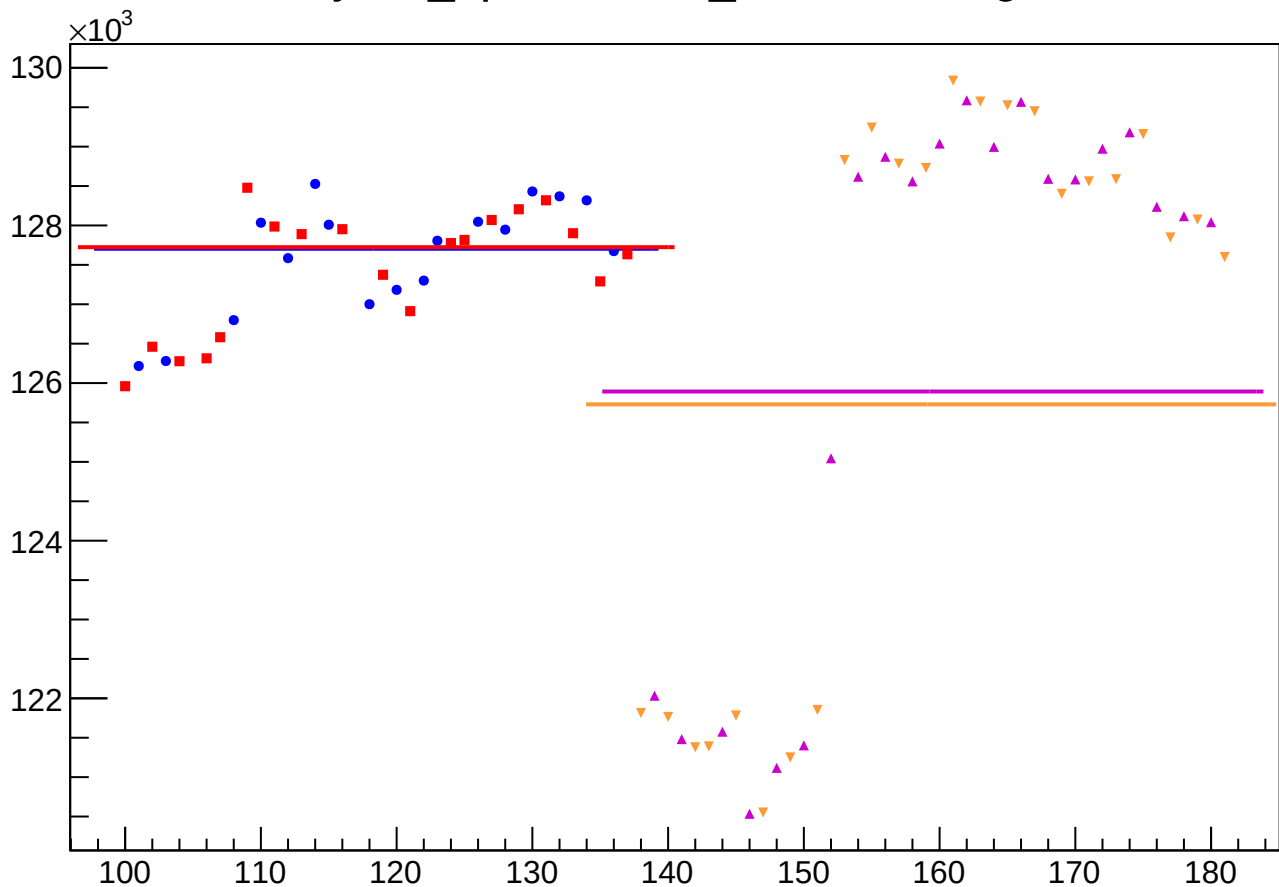
Left In: 191.239 $\pm$ 0.034 χ^2 /NDF: 817221.1/20

+ sign 161.754 $\pm$ 0.025 χ^2 /NDF: 3809956.6/39

All: 159.396 $\pm$ 0.017 χ^2 /NDF: 8150005.0/79

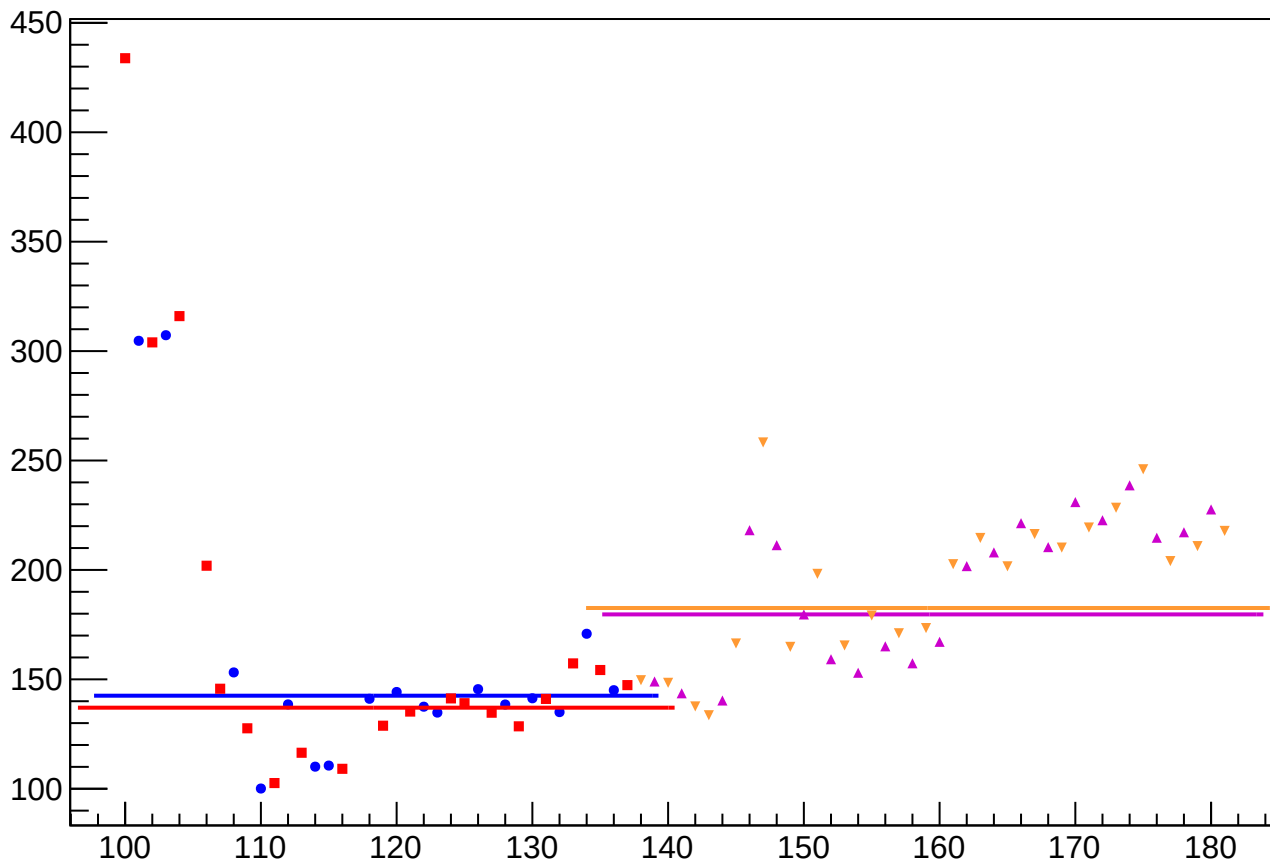
- sign 157.073 $\pm$ 0.024 χ^2 /NDF: 4321678.3/39

yield_bpm0l01WS_mean vs Slug



Right In: 127704.536 $\pm$ 0.058	χ^2 /NDF: 97614287.1/16	+ sign 126467.358 $\pm$ 0.036	χ^2 /NDF: 7336841776.2
Left Out: 125729.971 $\pm$ 0.045	χ^2 /NDF: 6517423093.6/22	All: 126558.369 $\pm$ 0.025	χ^2 /NDF: 138753124
Right Out: 127724.288 $\pm$ 0.055	χ^2 /NDF: 112647022.0/18	- sign 126646.547 $\pm$ 0.035	χ^2 /NDF: 6525567386.5/
Left In: 125892.913 $\pm$ 0.046	χ^2 /NDF: 5749633846.4/20		

yield_bpm0l01WS_rms vs Slug



Right In: 142.524 ± 0.041 χ^2/NDF : 836220.9/16

Left Out: 182.606 ± 0.032 χ^2/NDF : 1036415.7/22

Right Out: 137.050 ± 0.039 χ^2/NDF : 956482.5/18

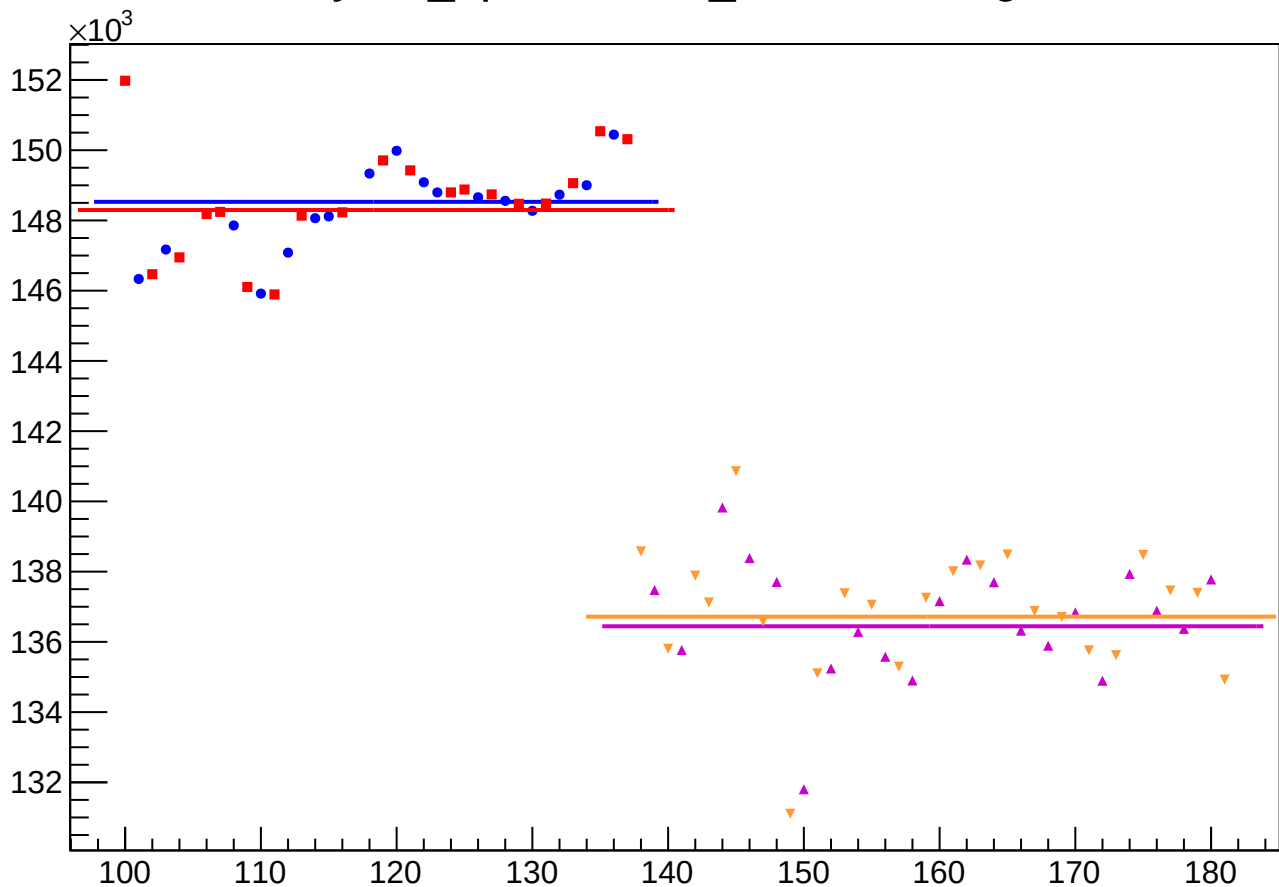
Left In: 179.676 ± 0.032 χ^2/NDF : 1002834.2/20

+ sign 167.638 ± 0.025 χ^2/NDF : 2467472.1/39

All: 164.843 ± 0.018 χ^2/NDF : 5169789.5/79

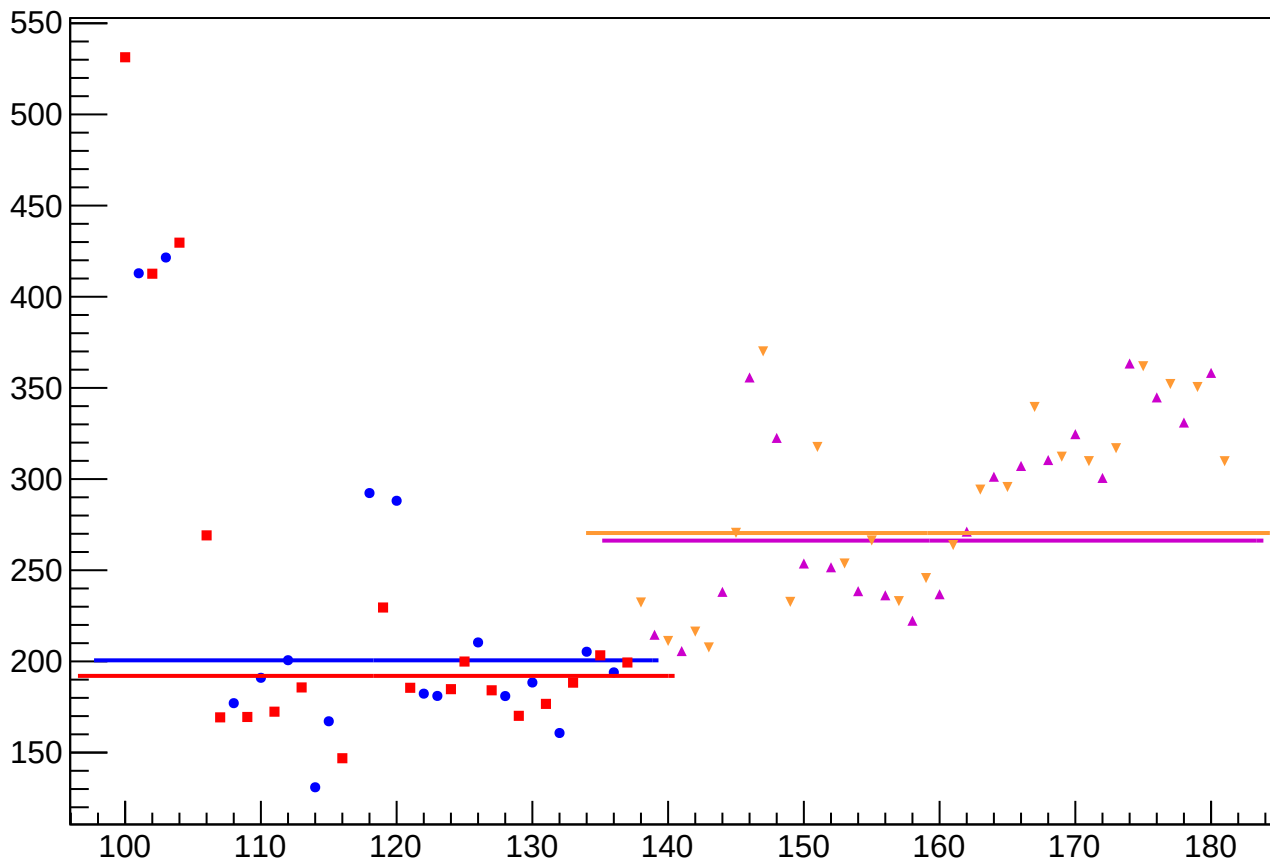
- sign 162.134 ± 0.025 χ^2/NDF : 2677975.8/39

yield_bpm0l02WS_mean vs Slug



Right In: 148529.735 $\pm$ 0.082 χ^2/NDF : 209963911.3/16
 Left Out: 136718.161 $\pm$ 0.066 χ^2/NDF : 899813538.5/22
 Right Out: 148296.414 $\pm$ 0.076 χ^2/NDF : 293172260.2/18
 Left In: 136444.110 $\pm$ 0.067 χ^2/NDF : 685902163.9/20

yield_bpm0l02WS_rms vs Slug



Right In: 200.585 ± 0.058 $\chi^2/\text{NDF}: 935452.3/16$

Left Out: 270.415 ± 0.047 $\chi^2/\text{NDF}: 1047095.3/22$

Right Out: 192.054 ± 0.054 $\chi^2/\text{NDF}: 845373.5/18$

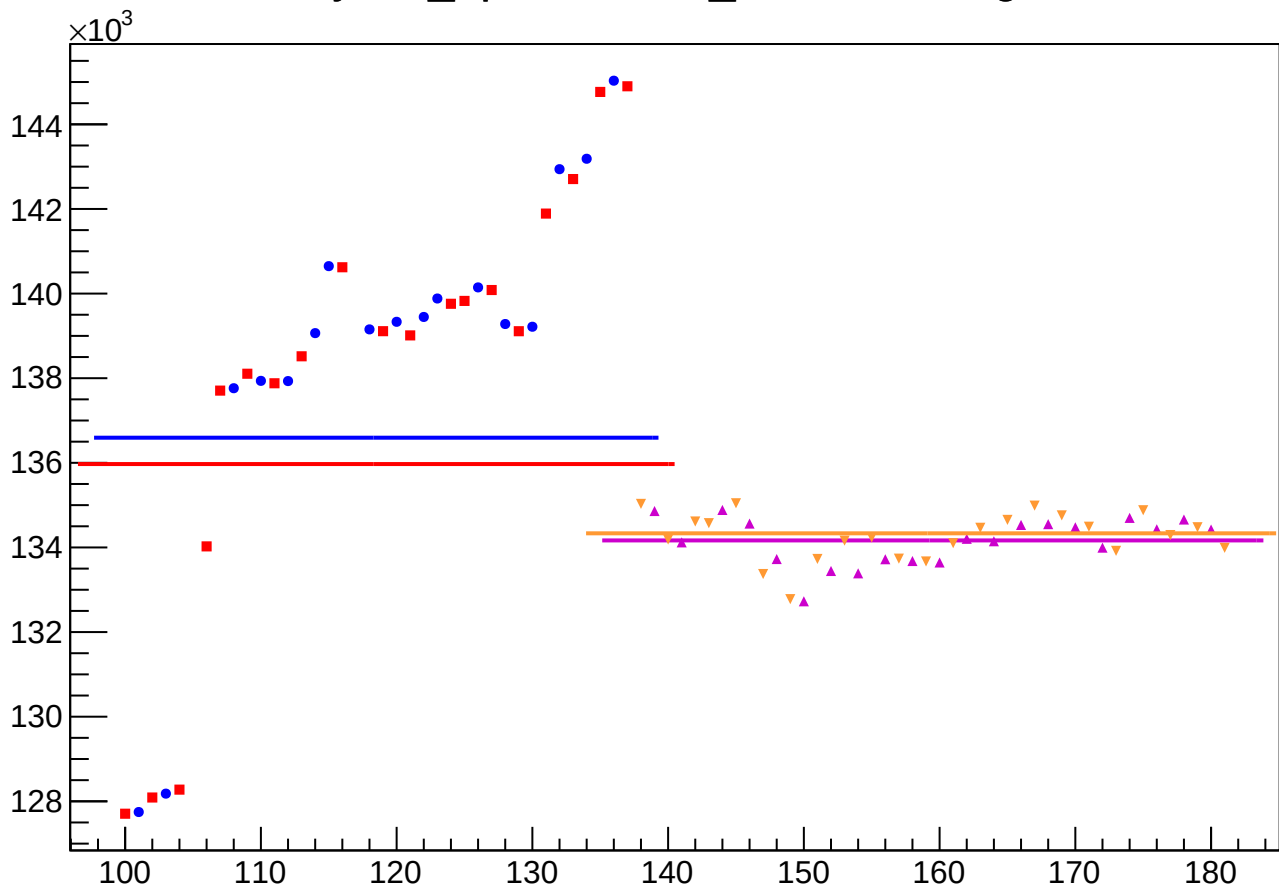
Left In: 266.250 ± 0.048 $\chi^2/\text{NDF}: 1032014.2/20$

+ sign 242.913 ± 0.037 $\chi^2/\text{NDF}: 2855961.5/39$

All: 238.249 ± 0.026 $\chi^2/\text{NDF}: 5824942.6/79$

- sign 233.774 ± 0.036 $\chi^2/\text{NDF}: 2936997.8/39$

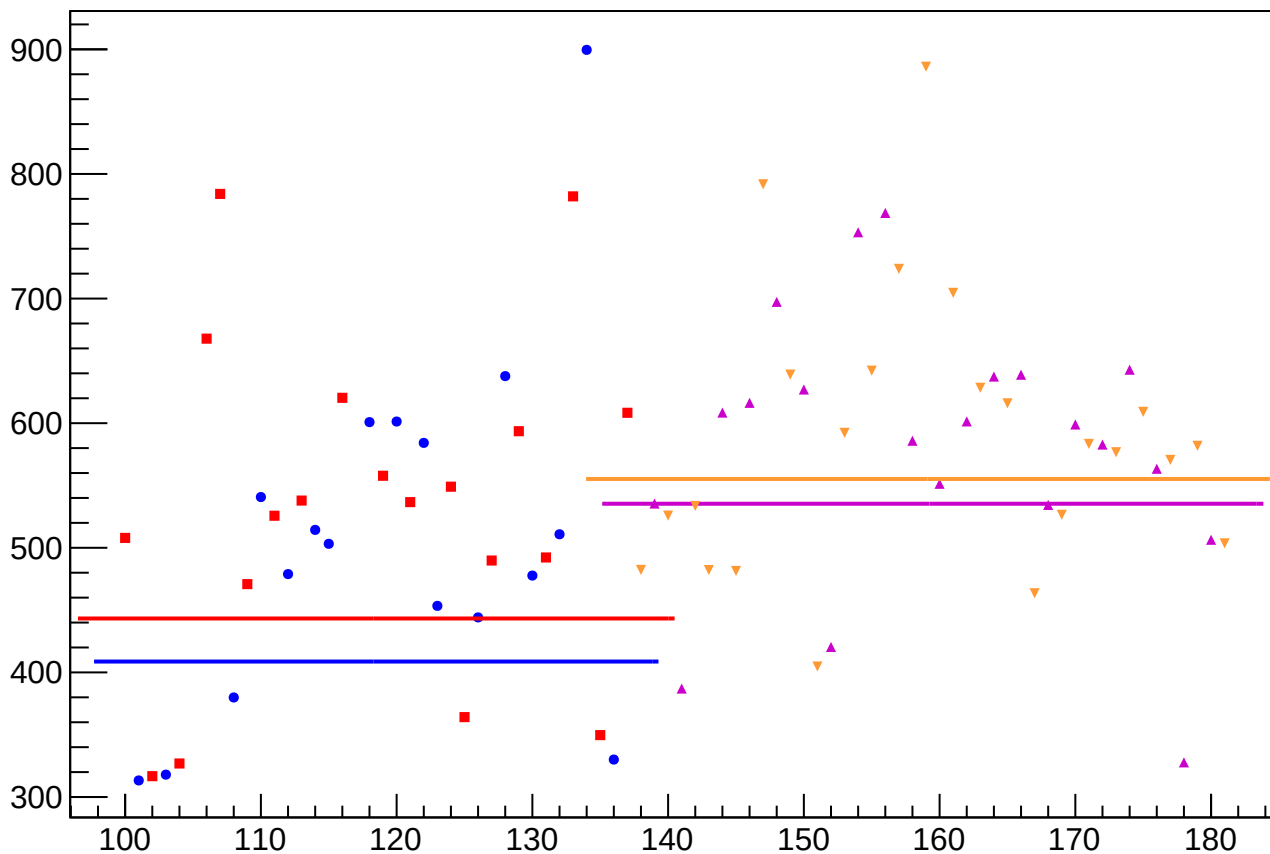
yield_bpm0l03WS_mean vs Slug



Right In: 136593.896 $\pm$ 0.172 χ^2 /NDF: 1493317567.5/16
 Left Out: 134333.794 $\pm$ 0.142 χ^2 /NDF:14697785.4/22
 Right Out: 135970.927 $\pm$ 0.183 χ^2 /NDF: 1080815746.9/18
 Left In: 134166.018 $\pm$ 0.145 χ^2 /NDF:13683673.6/20

+ sign 135251.373 $\pm$ 0.109 χ^2 /NDF: 1610844085.3
 All: 135064.414 $\pm$ 0.079 χ^2 /NDF: 277117299
 - sign 134862.796 $\pm$ 0.114 χ^2 /NDF: 1154264739.8/

yield_bpm0l03WS_rms vs Slug



Right In: 408.721+/-0.121 χ^2/NDF : 830375.0/16

Left Out: 555.231+/-0.100 χ^2/NDF : 920736.0/22

Right Out: 443.274+/-0.129 χ^2/NDF : 916555.3/18

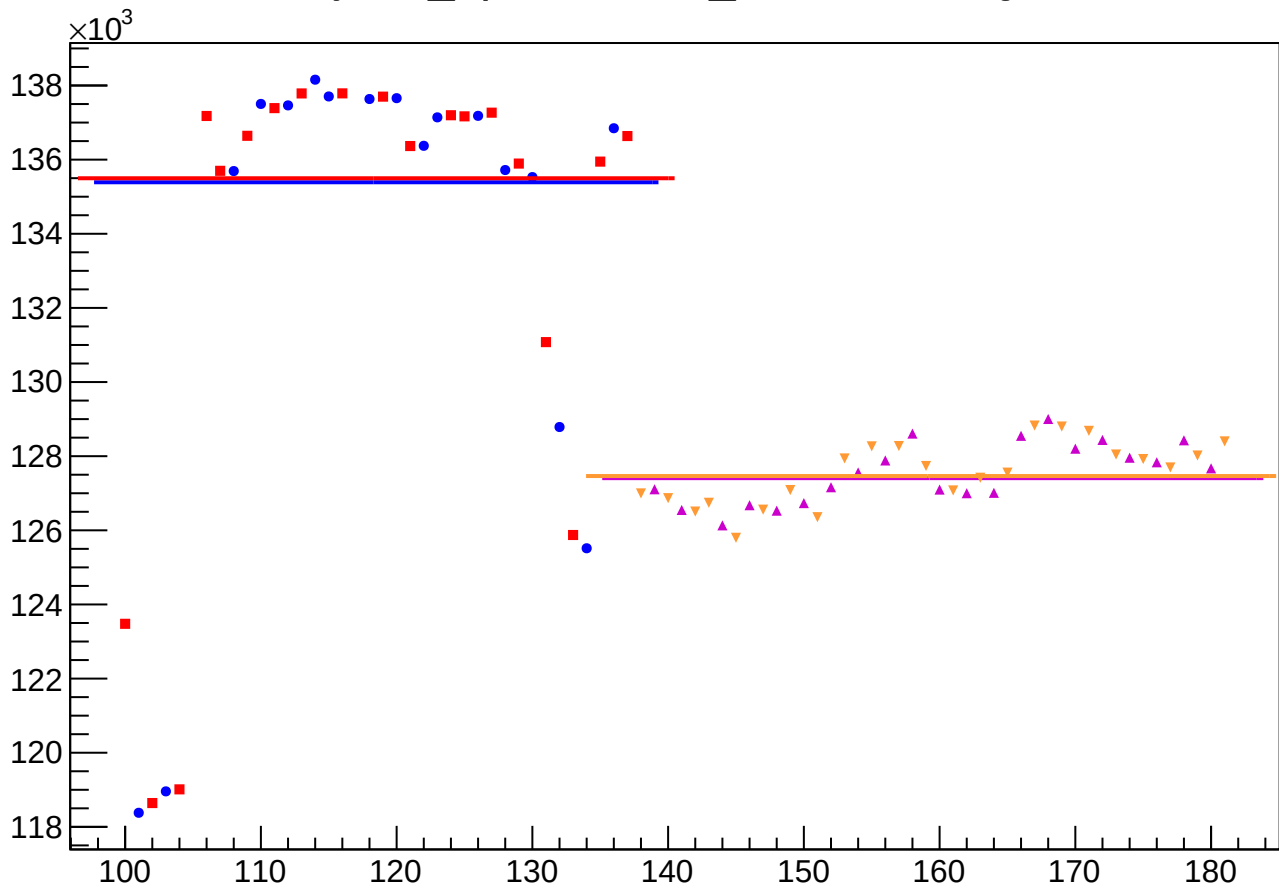
Left In: 535.349+/-0.103 χ^2/NDF : 1315369.5/20

+ sign 495.749+/-0.077 χ^2/NDF : 2615322.4/39

All: 497.700+/-0.056 χ^2/NDF : 5159633.5/79

- sign 499.803+/-0.080 χ^2/NDF : 2542990.8/39

yield_bpm0l04WS_mean vs Slug



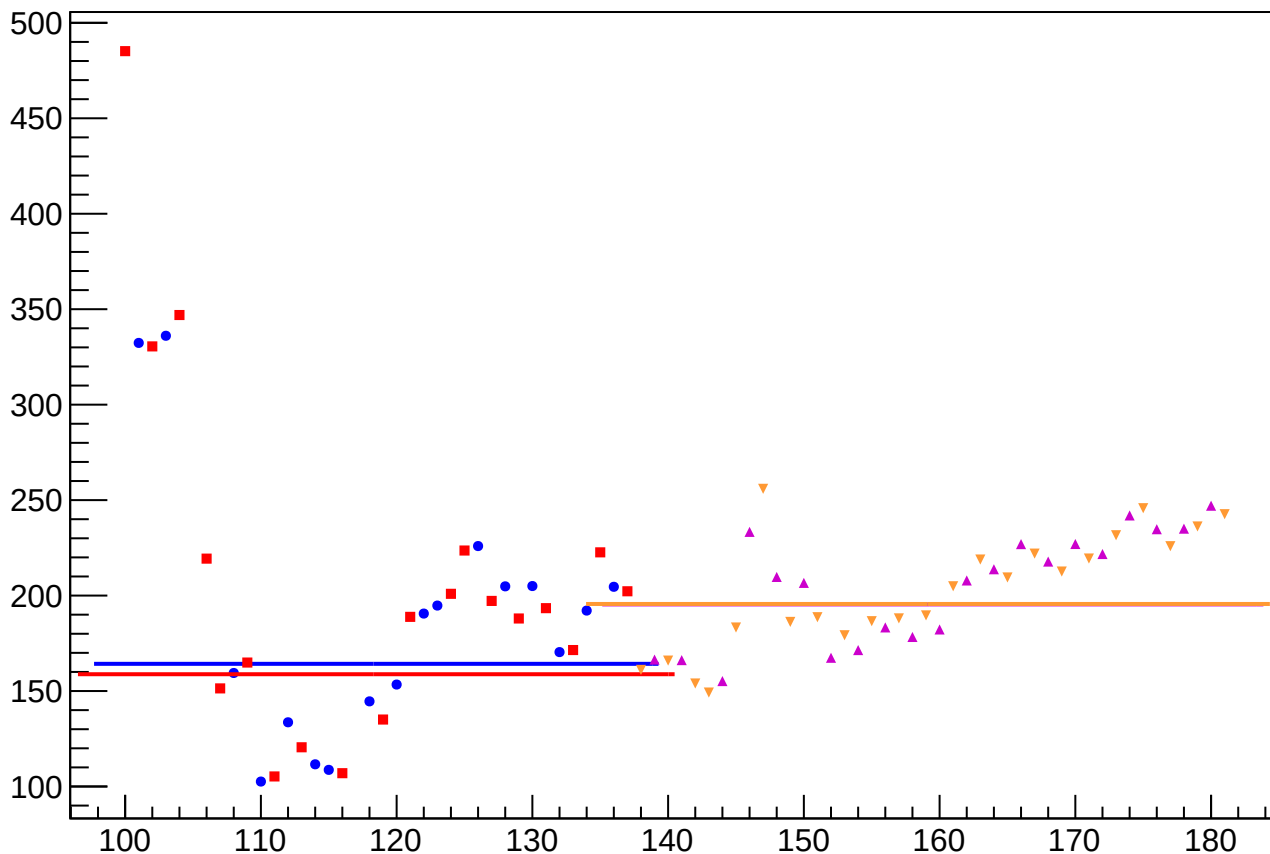
Right In: 135389.443 $\pm$ 0.068 χ^2 /NDF: 4578120272.5/16
 Left Out: 127464.159 $\pm$ 0.048 χ^2 /NDF: 297260620.3/22
 Right Out: 135497.758 $\pm$ 0.064 χ^2 /NDF: 4738615601.8/18
 Left In: 127407.483 $\pm$ 0.049 χ^2 /NDF: 269164067.7/20

+ sign 130062.636 $\pm$ 0.039 χ^2 /NDF: 13910515735.2

All: 130227.213 $\pm$ 0.028 χ^2 /NDF: 289157804.2

- sign 130391.526 $\pm$ 0.039 χ^2 /NDF: 14969932545.2

yield_bpm0l04WS_rms vs Slug



Right In: 164.250 ± 0.048 χ^2/NDF : 1227814.4/16

Left Out: 195.604 ± 0.034 χ^2/NDF : 735908.8/22

Right Out: 158.804 ± 0.046 χ^2/NDF : 1376920.6/18

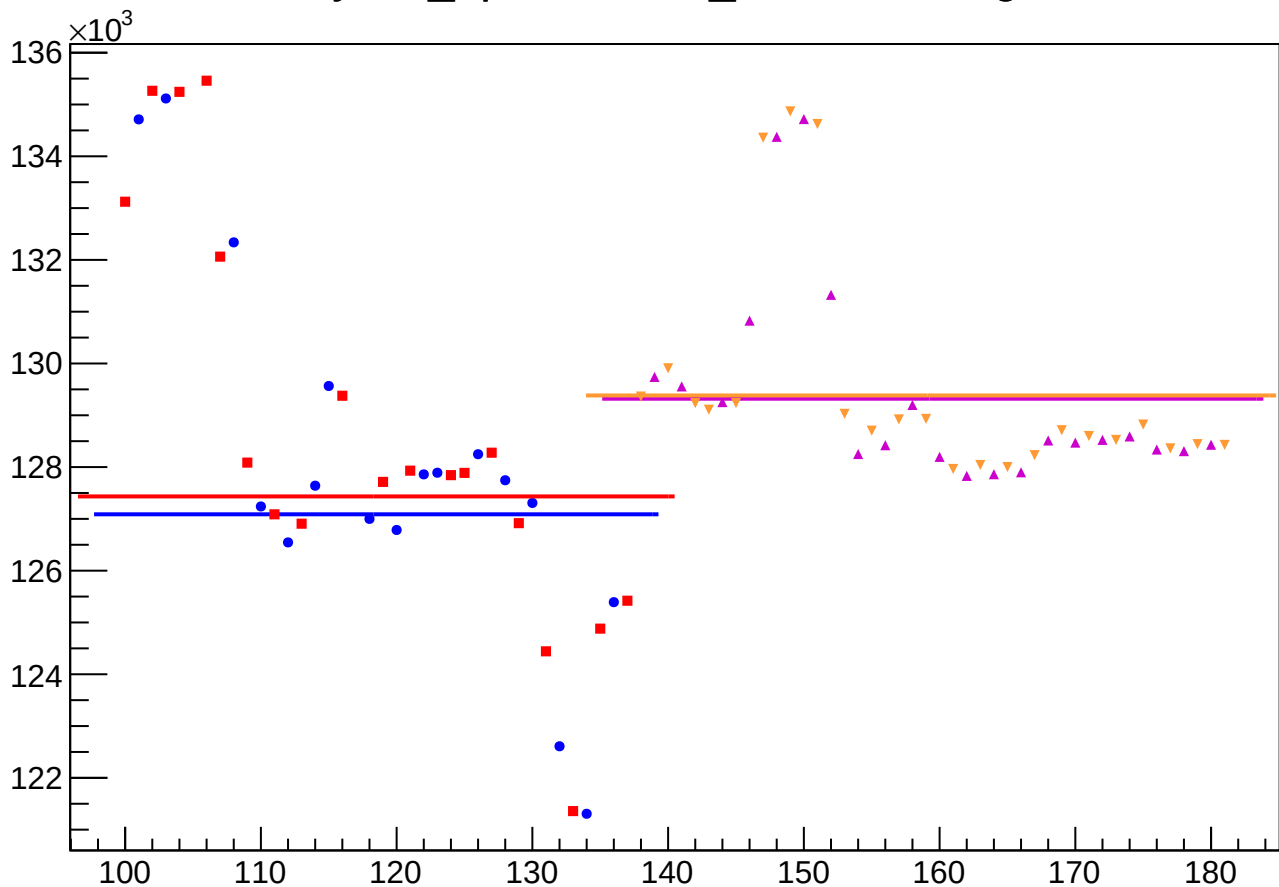
Left In: 195.366 ± 0.035 χ^2/NDF : 686448.7/20

+ sign 185.324 ± 0.028 χ^2/NDF : 2246548.8/39

All: 183.601 ± 0.020 χ^2/NDF : 4724589.1/79

- sign 181.880 ± 0.028 χ^2/NDF : 2470295.3/39

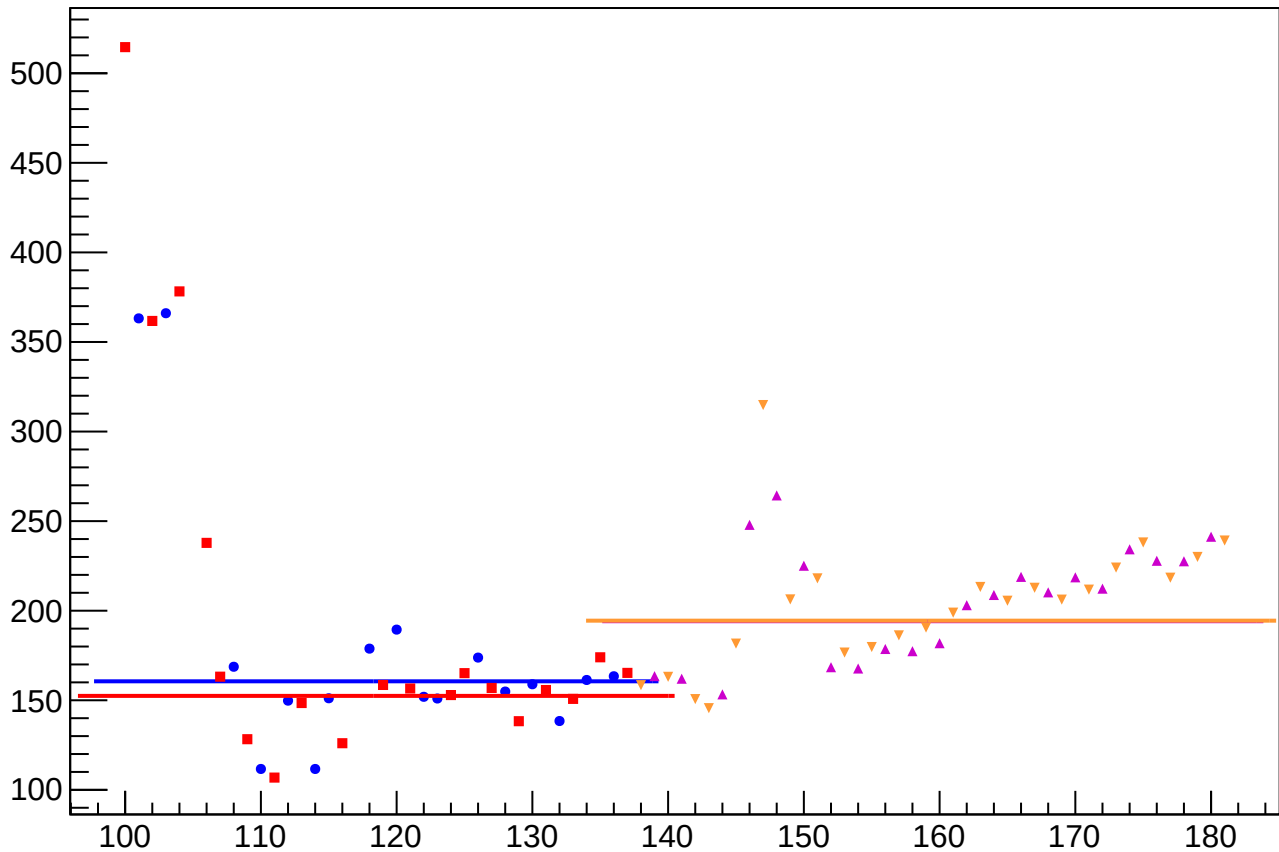
yield_bpm0l05WS_mean vs Slug



Right In: 127088.167 ± 0.066 $\chi^2/\text{NDF}: 1716591601.9/16$
 Left Out: 129382.699 ± 0.048 $\chi^2/\text{NDF}: 1422762406.4/22$
 Right Out: 127433.358 ± 0.062 $\chi^2/\text{NDF}: 2081739412.0/18$
 Left In: 129319.778 ± 0.049 $\chi^2/\text{NDF}: 1180132003.3/20$

+ sign 128603.739 ± 0.039 $\chi^2/\text{NDF}: 3927204864.1$
 All: 128595.706 ± 0.027 $\chi^2/\text{NDF}: 776361950$
 - sign 128587.821 ± 0.038 $\chi^2/\text{NDF}: 3836329307.2$

yield_bpm0l05WS_rms vs Slug



Right In: 160.589 ± 0.047 χ^2/NDF : 942522.1/16

Left Out: 194.439 ± 0.034 χ^2/NDF : 868370.7/22

Right Out: 152.452 ± 0.044 χ^2/NDF : 1084973.3/18

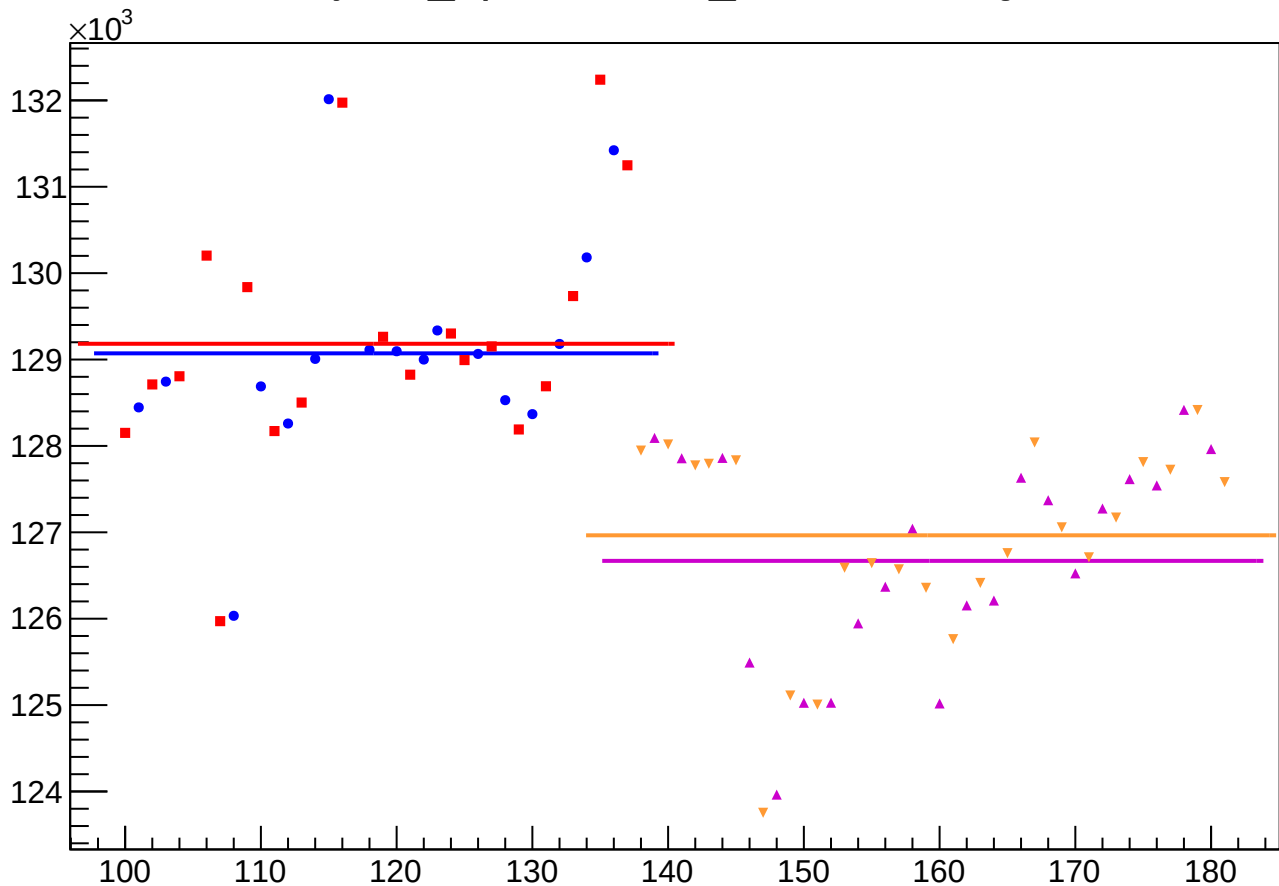
Left In: 194.127 ± 0.035 χ^2/NDF : 797988.7/20

+ sign 182.947 ± 0.027 χ^2/NDF : 2153836.7/39

All: 180.429 ± 0.019 χ^2/NDF : 4614318.6/79

- sign 177.956 ± 0.027 χ^2/NDF : 2443703.1/39

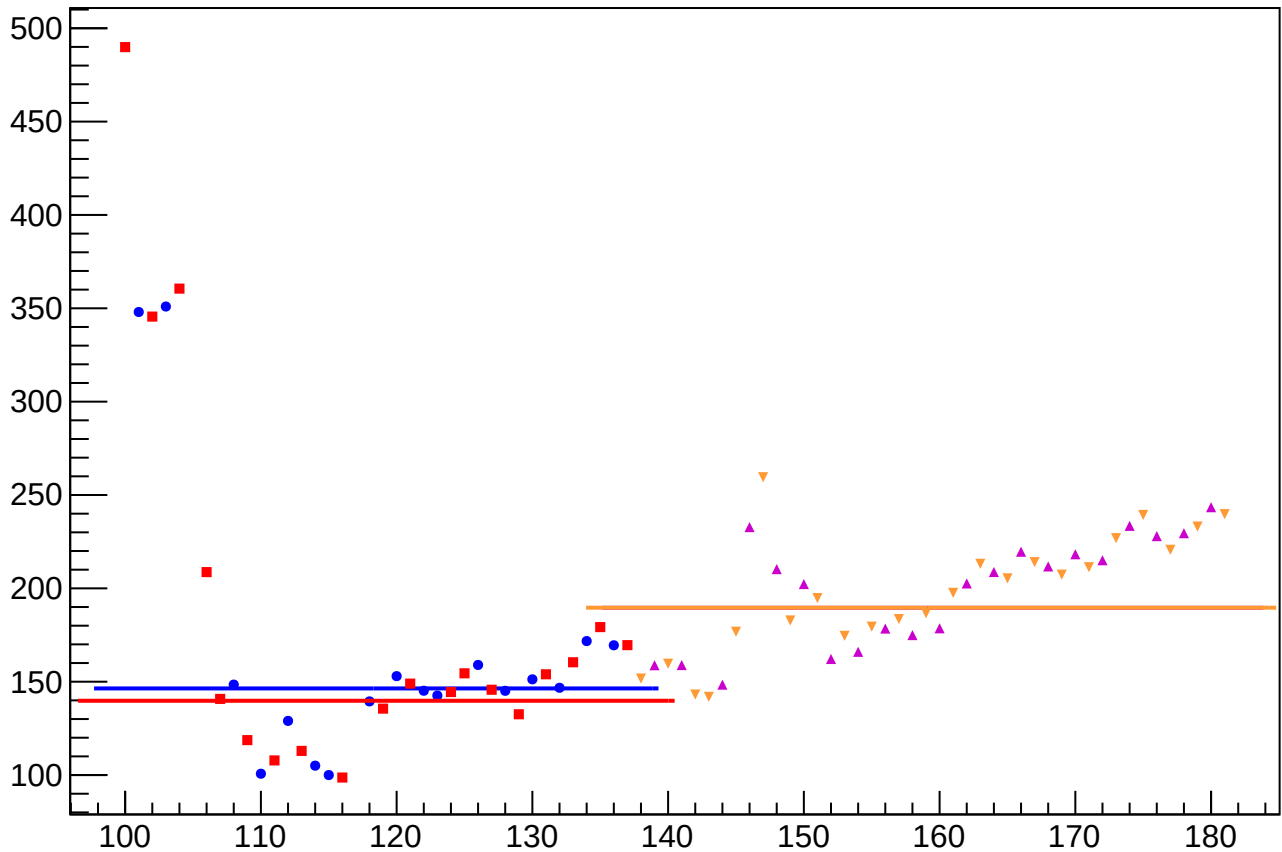
yield_bpm0l06WS_mean vs Slug



Right In: 129071.617 ± 0.060 $\chi^2/\text{NDF}: 476291091.1/16$
 Left Out: 126965.257 ± 0.046 $\chi^2/\text{NDF}: 526546728.0/22$
 Right Out: 129182.486 ± 0.056 $\chi^2/\text{NDF}: 625425272.9/18$
 Left In: 126669.377 ± 0.048 $\chi^2/\text{NDF}: 658109291.9/20$

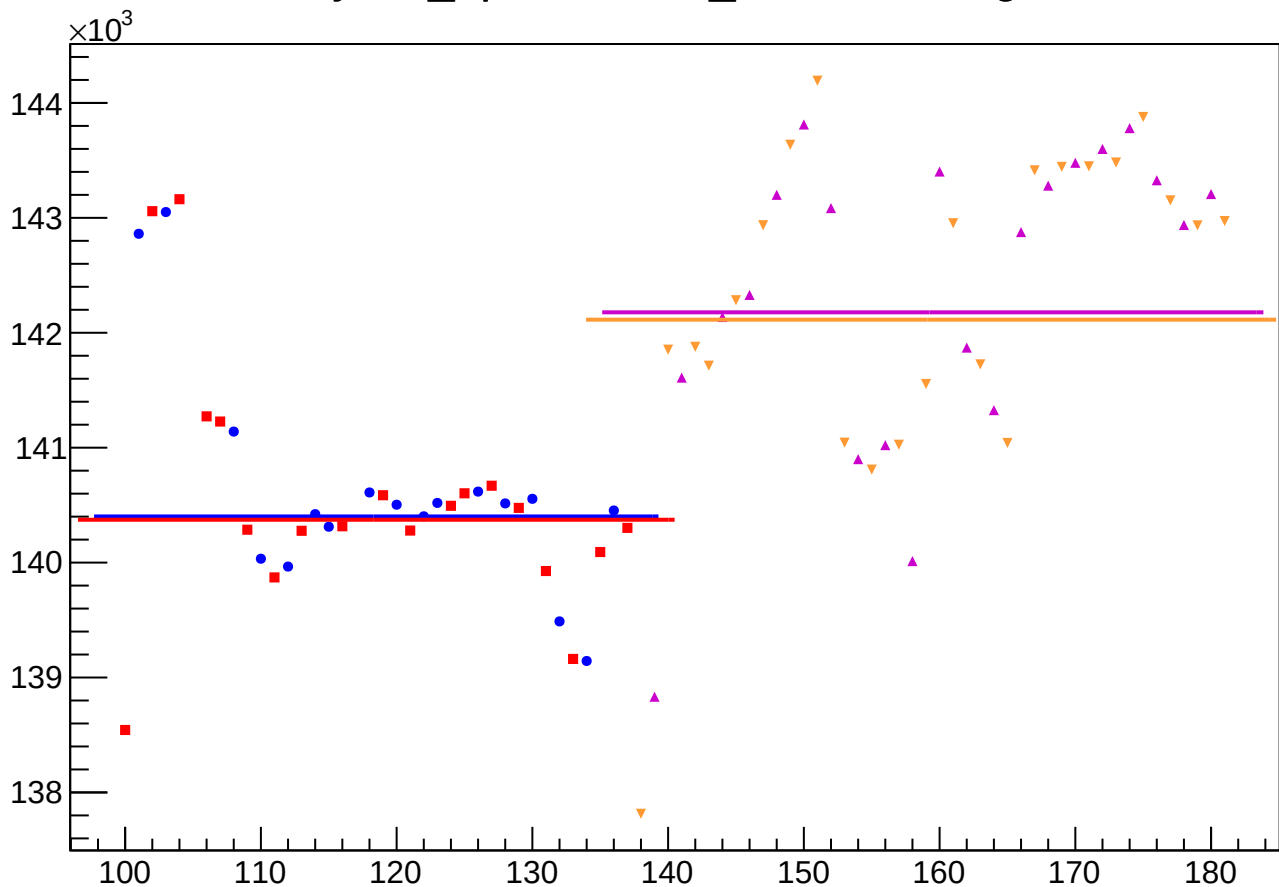
+ sign 127748.691 ± 0.037 $\chi^2/\text{NDF}: 1769882556.6$
 All: 127737.330 ± 0.026 $\chi^2/\text{NDF}: 421541333$
 - sign 127726.191 ± 0.036 $\chi^2/\text{NDF}: 2445341557.1$

yield_bpm0l06WS_rms vs Slug



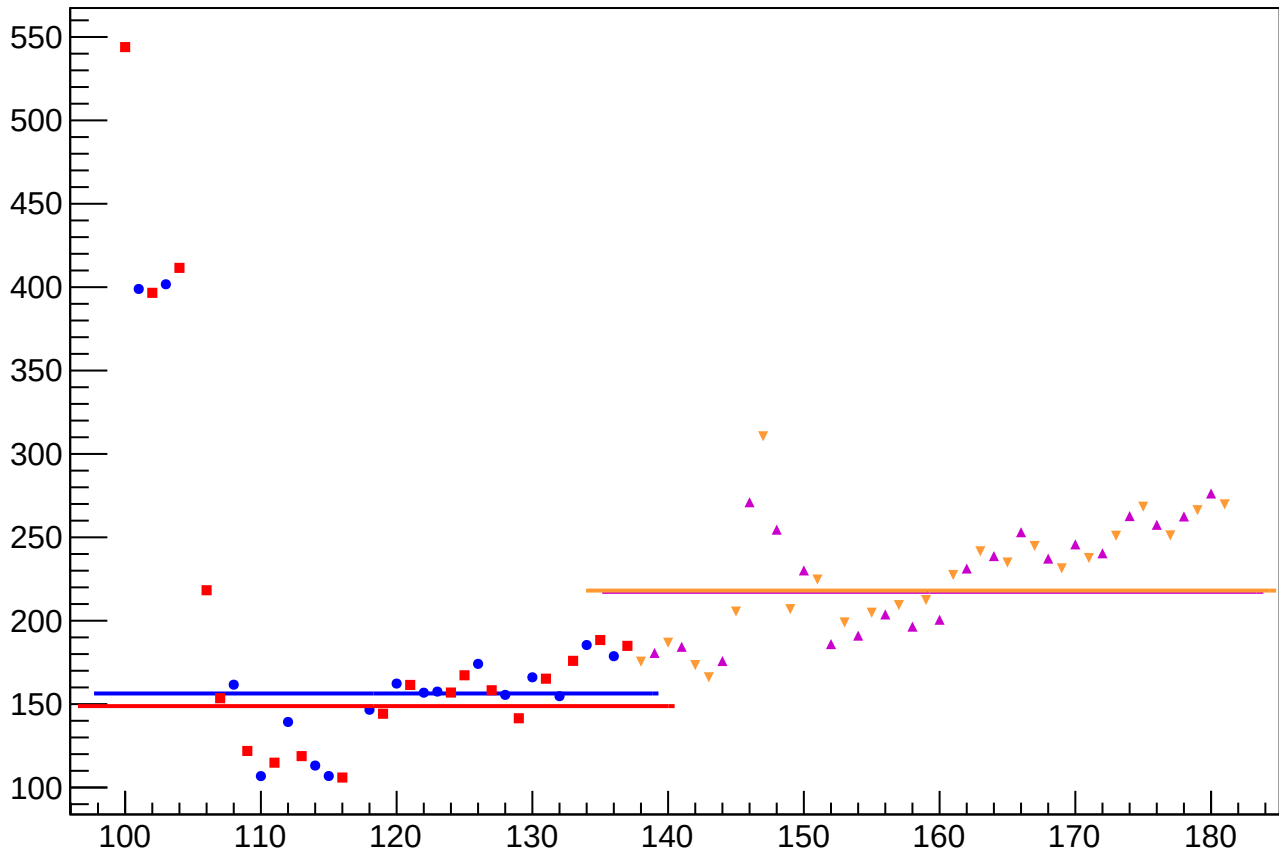
Right In: 146.401 $\pm$ 0.043	χ^2 /NDF: 1066973.0/16	+ sign 173.557 $\pm$ 0.026	χ^2 /NDF: 2577012.2/39
Left Out: 189.639 $\pm$ 0.033	χ^2 /NDF: 863610.5/22	All: 171.075 $\pm$ 0.018	χ^2 /NDF: 5457770.3/79
Right Out: 139.793 $\pm$ 0.040	χ^2 /NDF: 1200865.0/18	- sign 168.641 $\pm$ 0.026	χ^2 /NDF: 2862692.0/39
Left In: 189.575 $\pm$ 0.034	χ^2 /NDF: 750043.4/20		

yield_bpm0l07WS_mean vs Slug



Right In: 140401.573 $\pm$ 0.064	χ^2 /NDF: 88055814.0/16	+ sign 141418.275 $\pm$ 0.041	χ^2 /NDF: 1313115685.2/16
Left Out: 142113.876 $\pm$ 0.053	χ^2 /NDF: 806119651.5/22	All: 141386.200 $\pm$ 0.029	χ^2 /NDF: 254965927.0/22
Right Out: 140372.890 $\pm$ 0.060	χ^2 /NDF: 99844698.8/18	- sign 141355.139 $\pm$ 0.040	χ^2 /NDF: 1235344019.5/18
Left In: 142178.008 $\pm$ 0.055	χ^2 /NDF: 641083633.9/20		

yield_bpm0l07WS_rms vs Slug



Right In: 156.377 $\pm$ 0.046 χ^2 /NDF: 1154470.5/16

Left Out: 218.075 $\pm$ 0.038 χ^2 /NDF: 757640.2/22

Right Out: 148.800 $\pm$ 0.042 χ^2 /NDF: 1304529.7/18

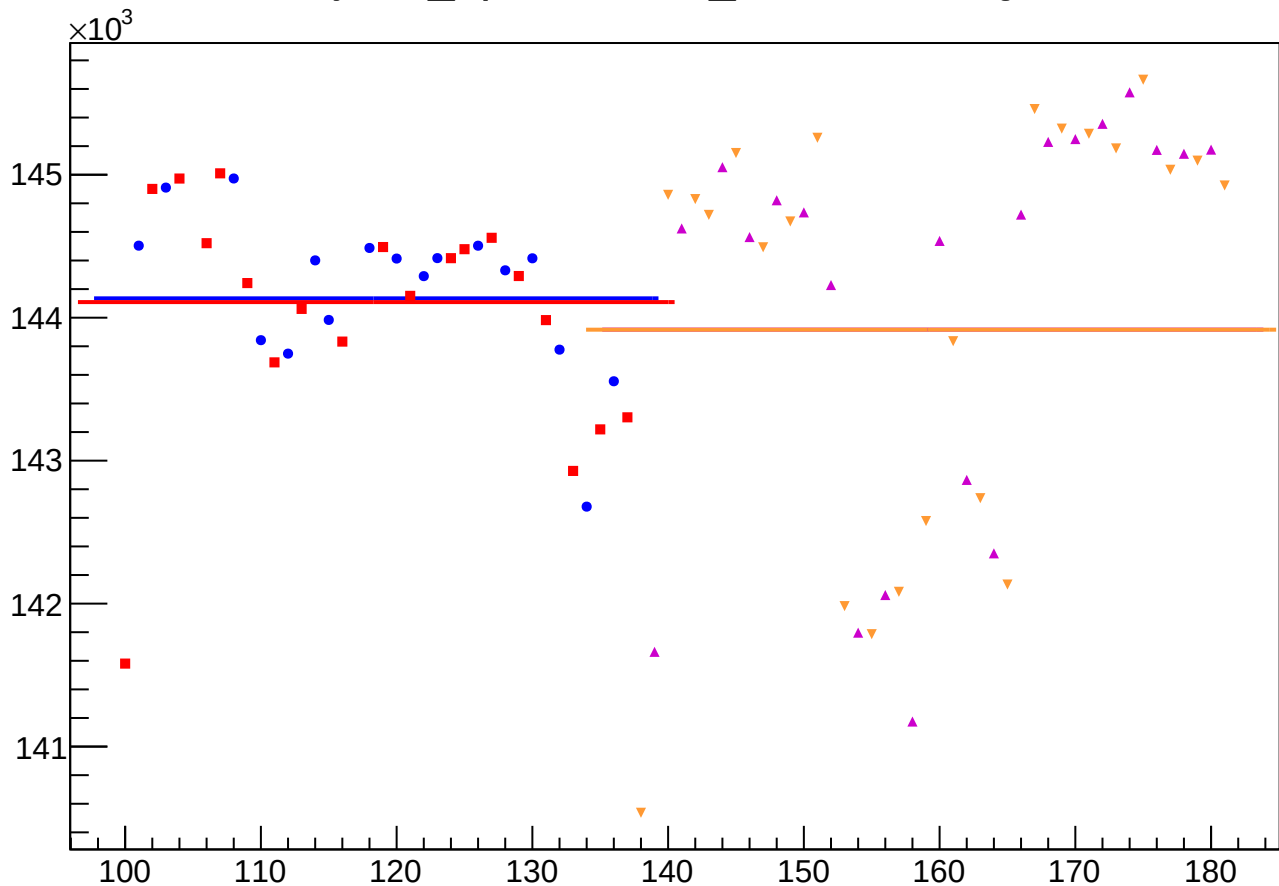
Left In: 217.306 $\pm$ 0.039 χ^2 /NDF: 702771.1/20

+ sign 193.011 $\pm$ 0.029 χ^2 /NDF: 2999950.0/39

All: 189.488 $\pm$ 0.020 χ^2 /NDF: 6460370.4/79

- sign 186.077 $\pm$ 0.029 χ^2 /NDF: 3431485.0/39

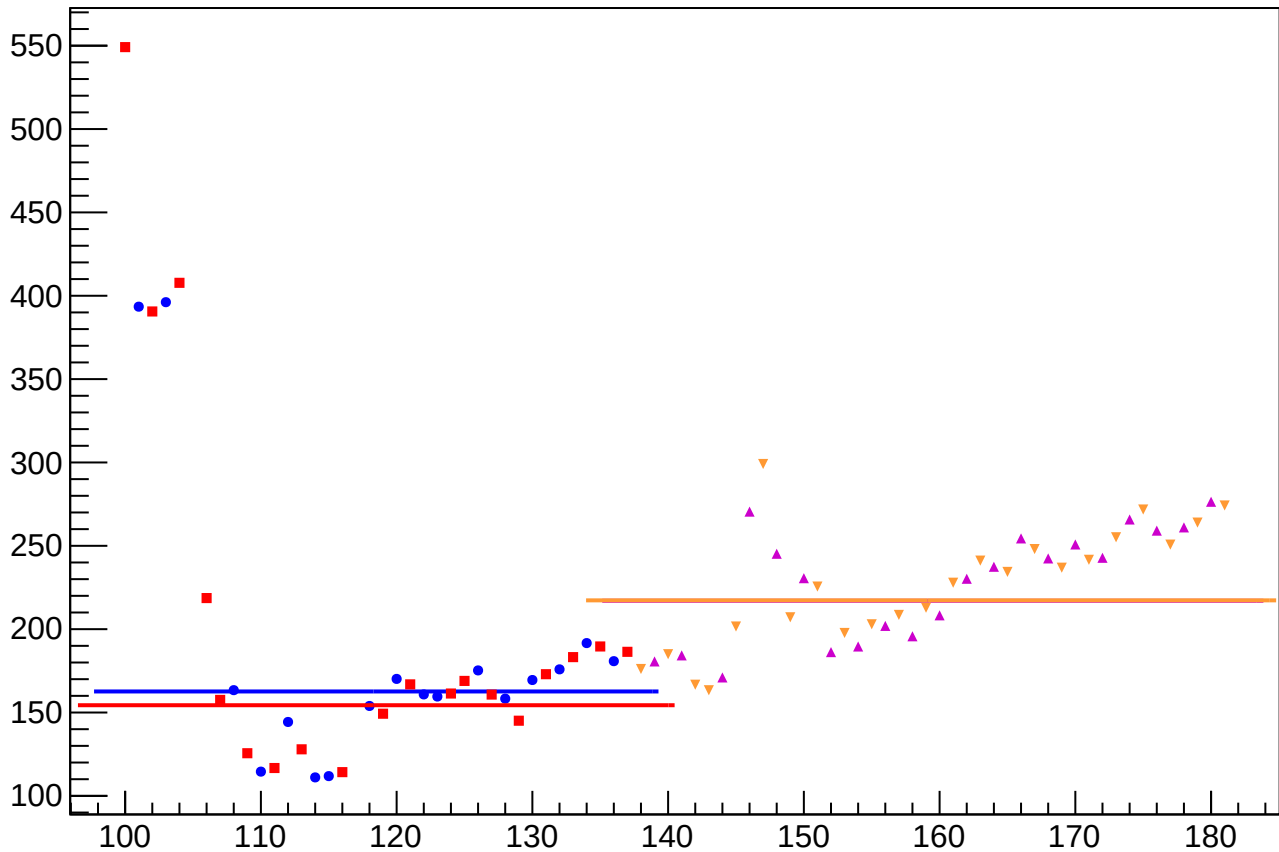
yield_bpm0l08WS_mean vs Slug



Right In: 144135.363 ± 0.067 $\chi^2/\text{NDF}: 47030717.0/16$
 Left Out: 143916.157 ± 0.053 $\chi^2/\text{NDF}: 853007550.3/22$
 Right Out: 144109.137 ± 0.062 $\chi^2/\text{NDF}: 65233259.1/18$
 Left In: 143916.555 ± 0.055 $\chi^2/\text{NDF}: 715169491.4/20$

+ sign 144001.023 ± 0.042 $\chi^2/\text{NDF}: 906622957.2/3$
 All: 144001.090 ± 0.029 $\chi^2/\text{NDF}: 169245377$
 - sign 144001.155 ± 0.041 $\chi^2/\text{NDF}: 785830809.8/3$

yield_bpm0l08WS_rms vs Slug



Right In: 162.634+/-0.047 χ^2/NDF : 1069524.2/16

Left Out: 217.284+/-0.038 χ^2/NDF : 817220.0/22

+ sign 196.126+/-0.029 χ^2/NDF : 2705279.7/39

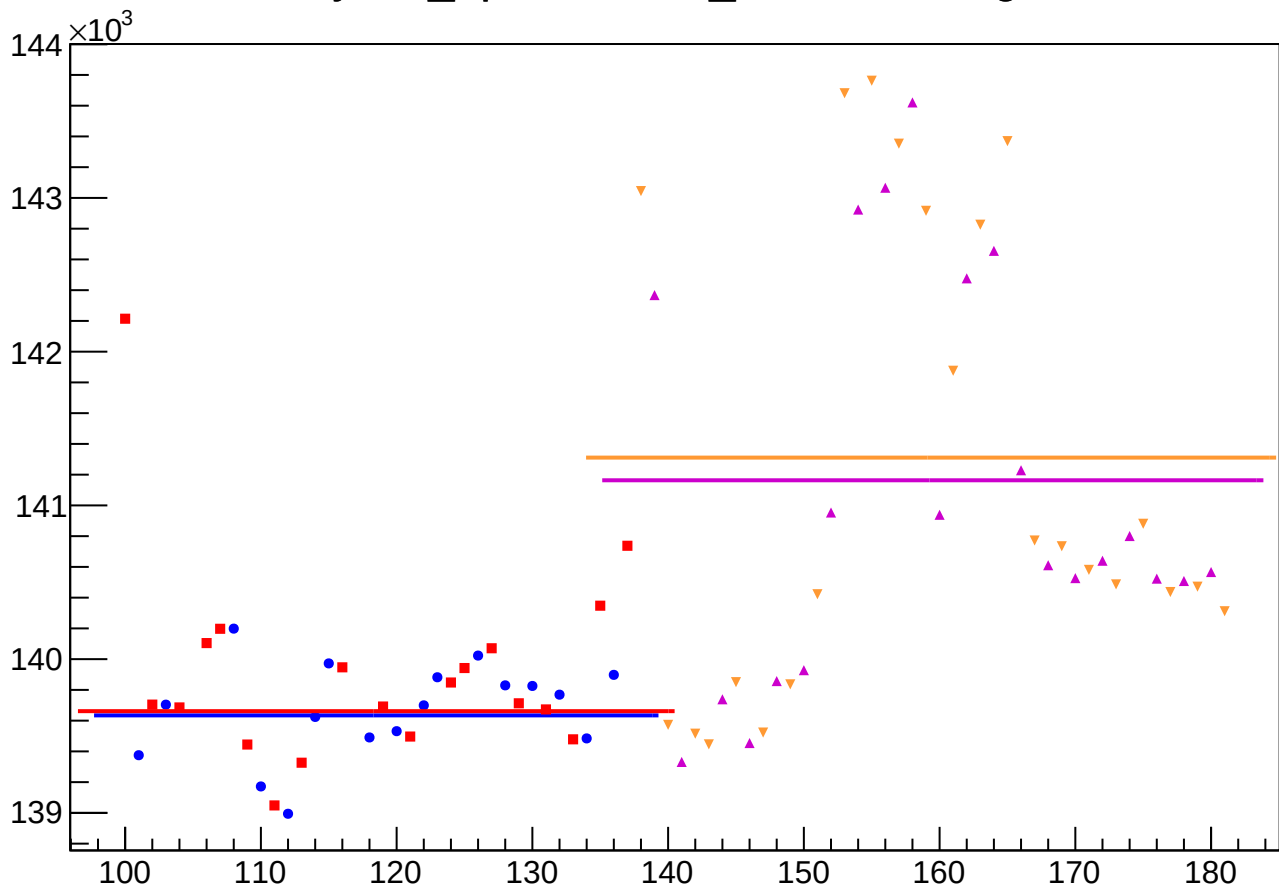
Right Out: 154.377+/-0.044 χ^2/NDF : 1214462.2/18

All: 192.770+/-0.021 χ^2/NDF : 5832893.8/79

- sign 189.509+/-0.029 χ^2/NDF : 3101962.9/39

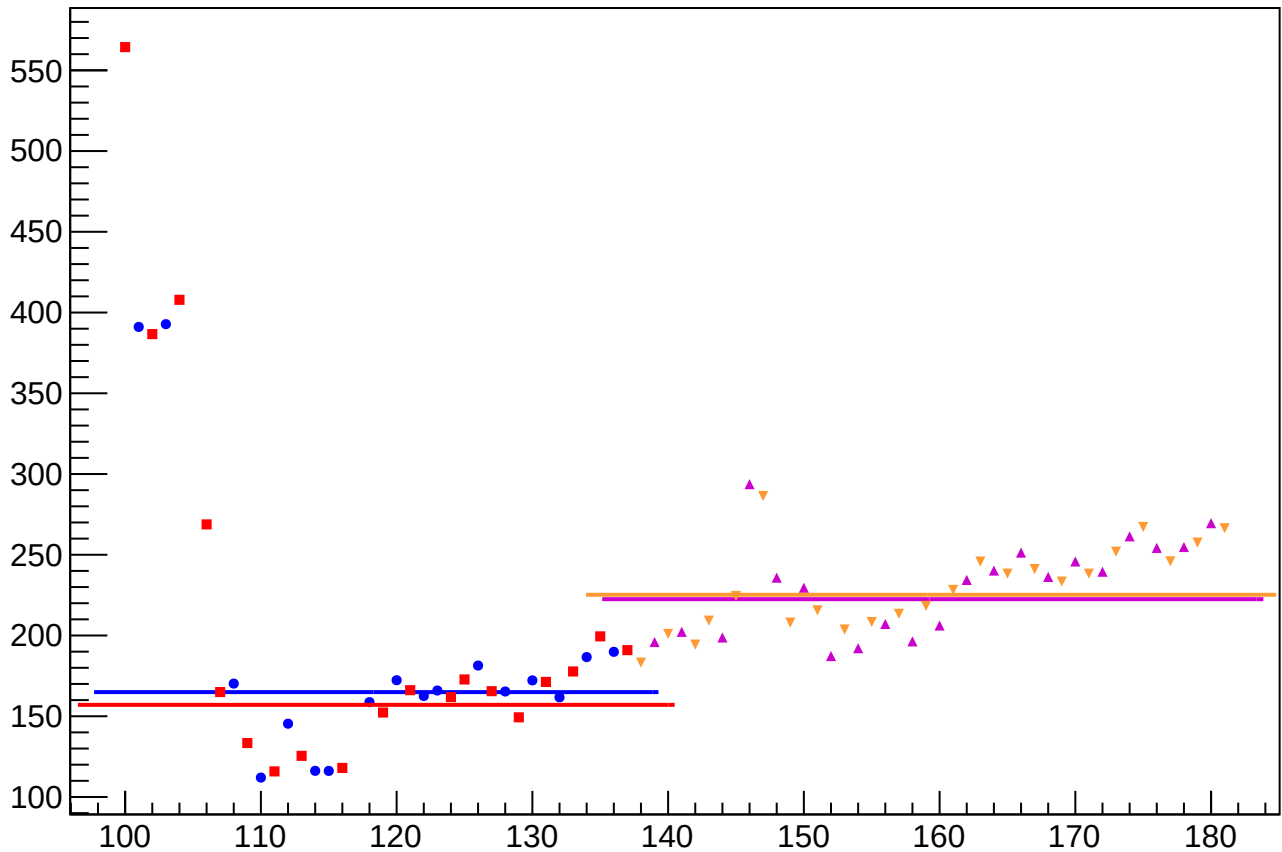
Left In: 217.033+/-0.039 χ^2/NDF : 738403.8/20

yield_bpm0l09WS_mean vs Slug



Right In: 139634.248 $\pm$ 0.068 χ^2 /NDF: 24816599.6/16
 Left Out: 141310.952 $\pm$ 0.055 χ^2 /NDF: 778425343.2/22
 Right Out: 139661.708 $\pm$ 0.063 χ^2 /NDF: 38354381.9/18
 Left In: 141163.432 $\pm$ 0.056 χ^2 /NDF: 548459556.7/20
 + sign 140651.056 $\pm$ 0.043 χ^2 /NDF: 1172799623.4
 All: 140575.256 $\pm$ 0.030 χ^2 /NDF: 208305943
 - sign 140502.114 $\pm$ 0.042 χ^2 /NDF: 904041724.1/3

yield_bpm0l09WS_rms vs Slug



Right In: 164.938 $\pm$ 0.048 χ^2 /NDF: 1064403.1/16

Left Out: 225.230 $\pm$ 0.039 χ^2 /NDF: 404065.3/22

Right Out: 157.047 $\pm$ 0.045 χ^2 /NDF: 1242666.6/18

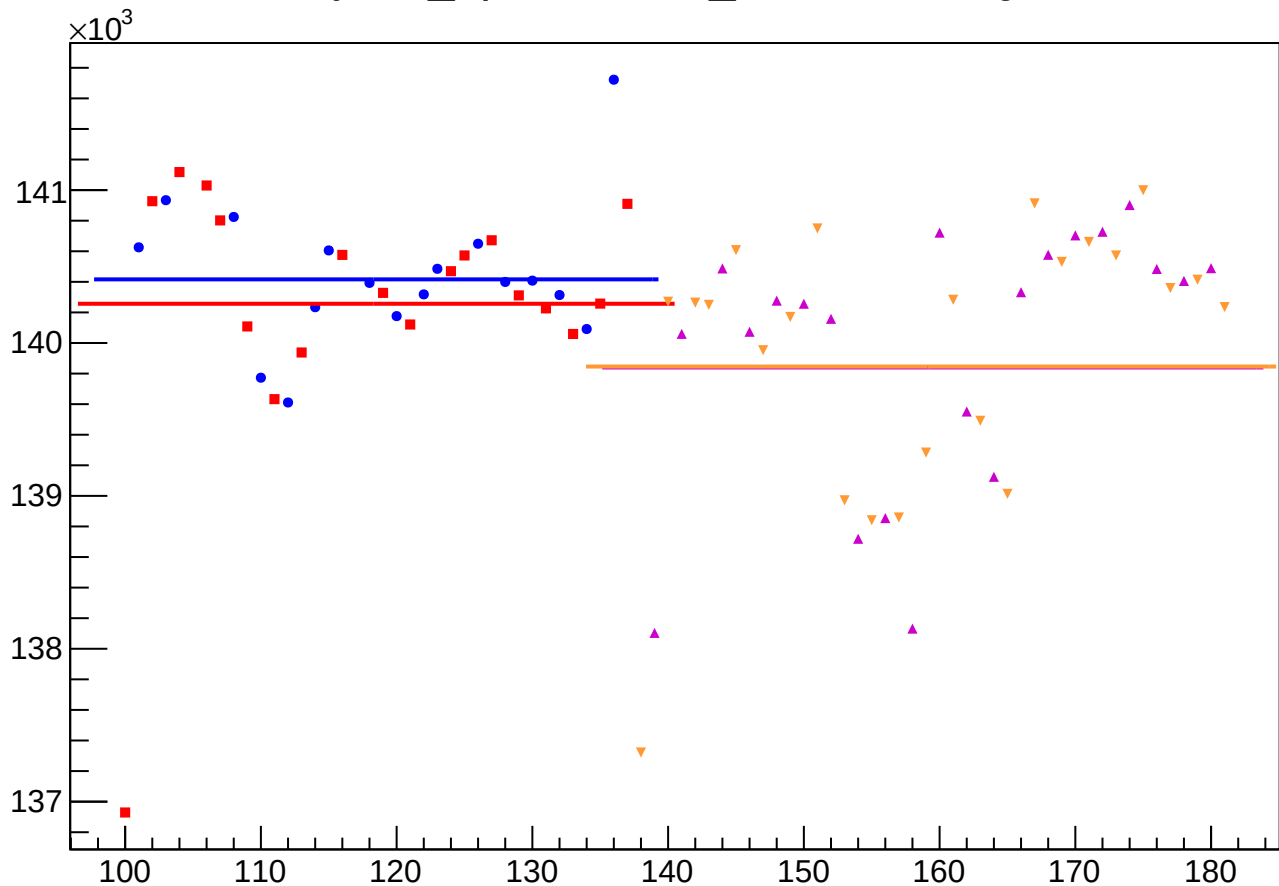
Left In: 222.484 $\pm$ 0.040 χ^2 /NDF: 493880.9/20

+ sign 201.501 $\pm$ 0.030 χ^2 /NDF: 2424176.0/39

All: 197.514 $\pm$ 0.021 χ^2 /NDF: 5399787.4/79

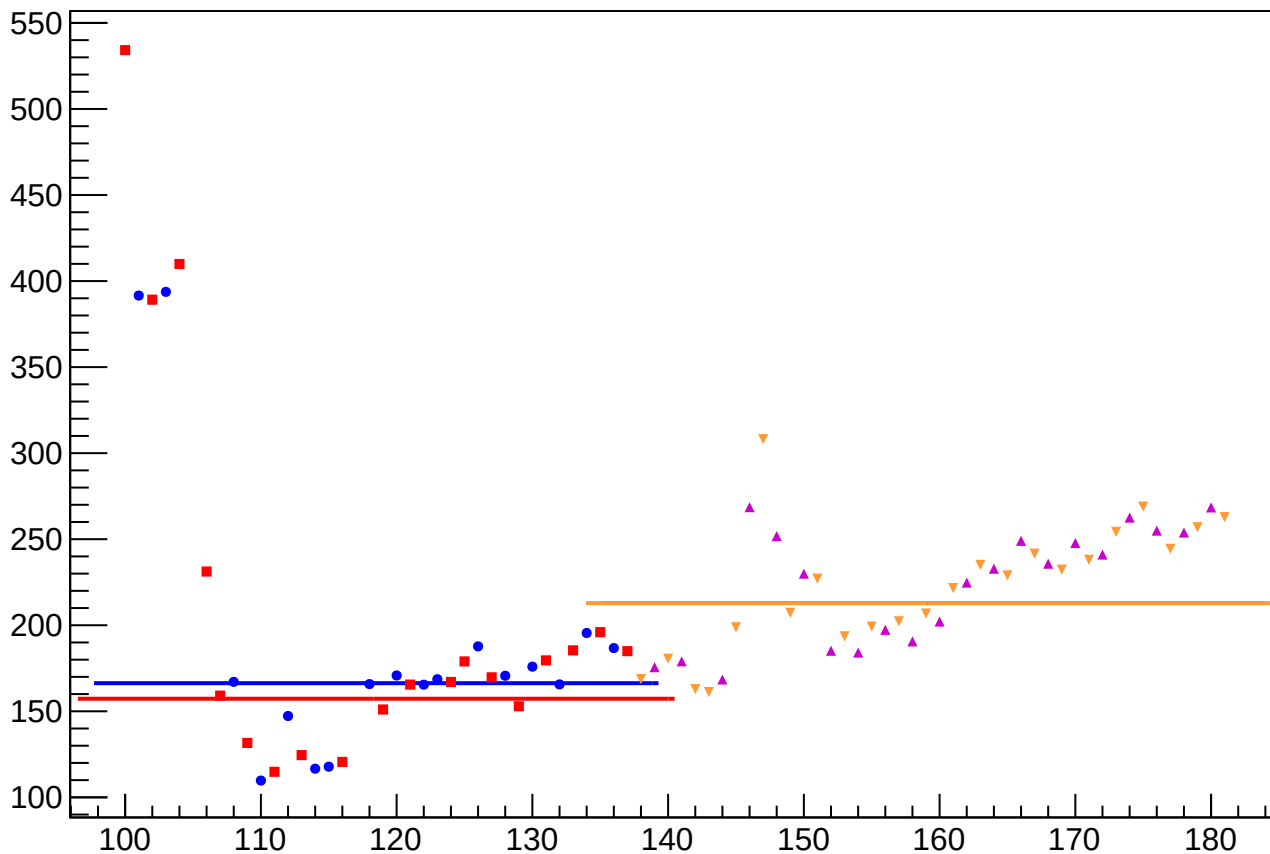
- sign 193.668 $\pm$ 0.030 χ^2 /NDF: 2941212.7/39

yield_bpm0l10WS_mean vs Slug



Right In: 140416.183 $\pm$ 0.069	χ^2 /NDF: 69956735.1/16	+ sign 140054.774 $\pm$ 0.041	χ^2 /NDF: 442083686.1/3
Left Out: 139845.973 $\pm$ 0.052	χ^2 /NDF: 328213092.5/22	All: 140034.558 $\pm$ 0.029	χ^2 /NDF: 785308129
Right Out: 140256.621 $\pm$ 0.063	χ^2 /NDF: 38038769.4/18	- sign 140014.848 $\pm$ 0.041	χ^2 /NDF: 342754753.3/3
Left In: 139839.908 $\pm$ 0.054	χ^2 /NDF: 279470947.6/20		

yield_bpm0l10WS_rms vs Slug



Right In: 166.338 ± 0.048 χ^2/NDF : 1081005.6/16

Left Out: 212.867 ± 0.037 χ^2/NDF : 861532.2/22

Right Out: 157.302 ± 0.045 χ^2/NDF : 1226210.5/18

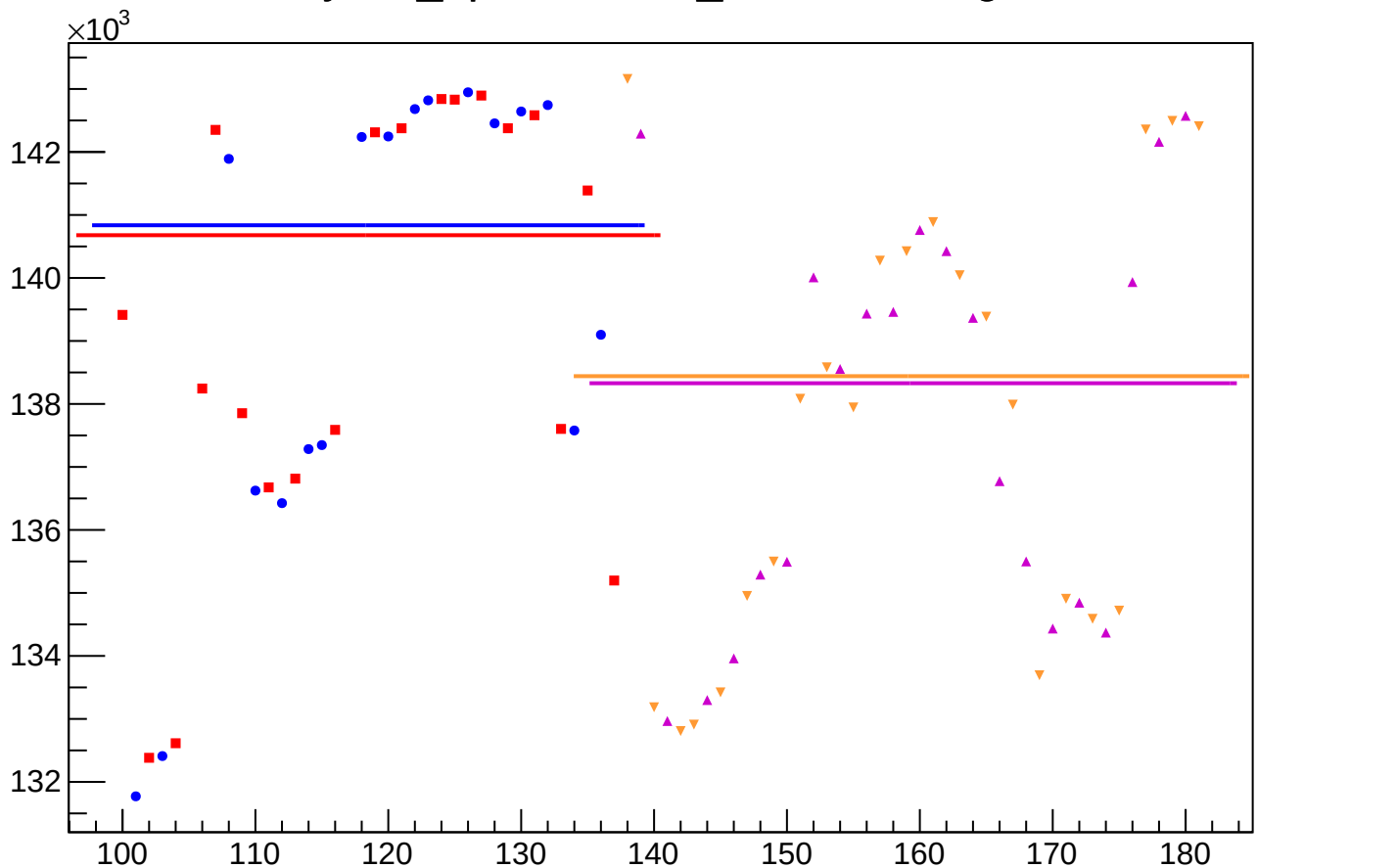
Left In: 212.901 ± 0.038 χ^2/NDF : 774197.7/20

+ sign 195.829 ± 0.029 χ^2/NDF : 2527362.3/39

All: 192.655 ± 0.021 χ^2/NDF : 5449728.2/79

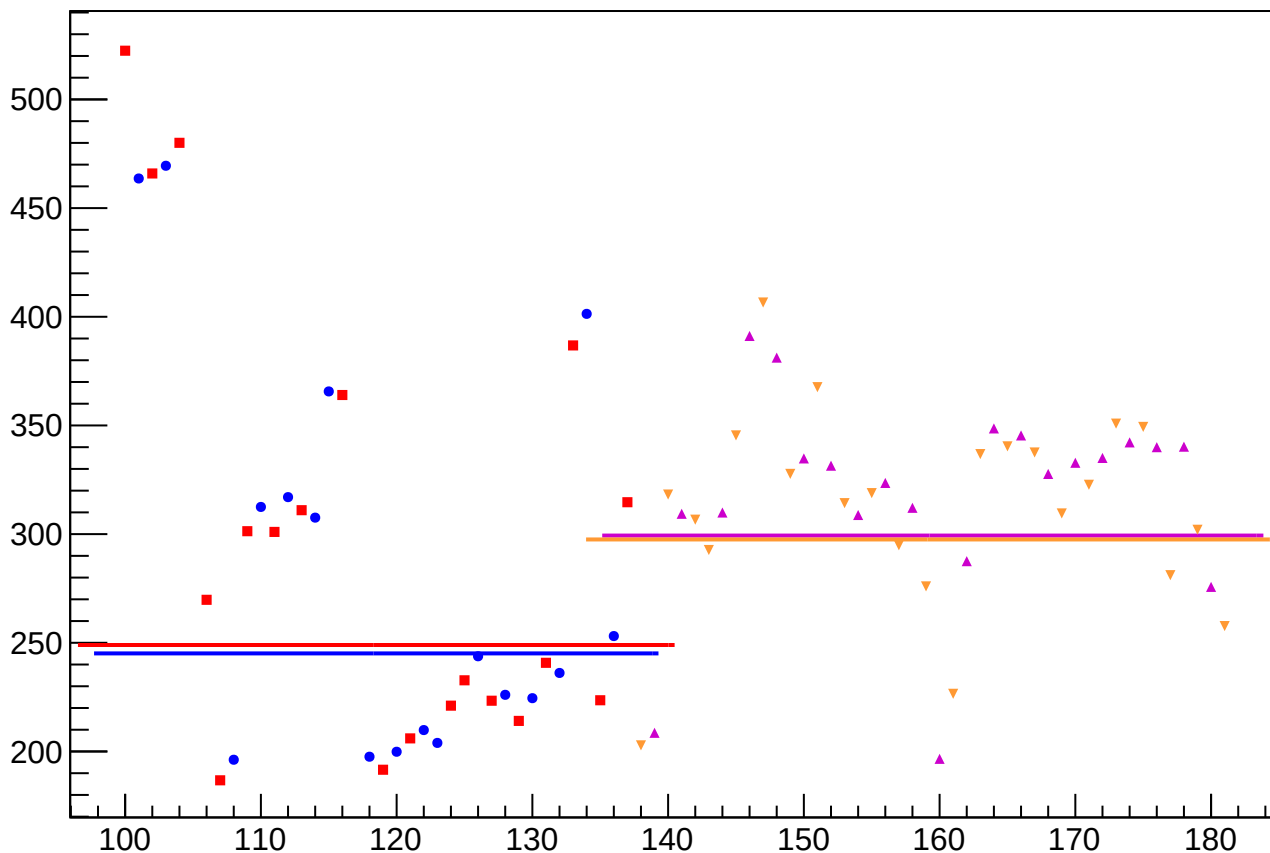
- sign 189.560 ± 0.029 χ^2/NDF : 2899207.0/39

yield_bpm0r03WS_mean vs Slug



Right In: 140836.633 $\pm$ 0.100	χ^2 /NDF: 821253018.3/16	+ sign 139275.131 $\pm$ 0.059	χ^2 /NDF: 3529723391.0/22
Left Out: 138441.033 $\pm$ 0.073	χ^2 /NDF: 2335695352.9/22	All: 139240.034 $\pm$ 0.042	χ^2 /NDF: 650191872.0/22
Right Out: 140678.692 $\pm$ 0.099	χ^2 /NDF: 840853098.4/18	- sign 139203.311 $\pm$ 0.060	χ^2 /NDF: 2971473888.0/20
Left In: 138328.817 $\pm$ 0.076	χ^2 /NDF: 1777698774.9/20		

yield_bpm0r03WS_rms vs Slug



Right In: 245.117 $\pm$ 0.071 χ^2 /NDF: 868050.1/16

Left Out: 297.541 $\pm$ 0.052 χ^2 /NDF: 885011.0/22

Right Out: 248.984 $\pm$ 0.070 χ^2 /NDF: 1011335.0/18

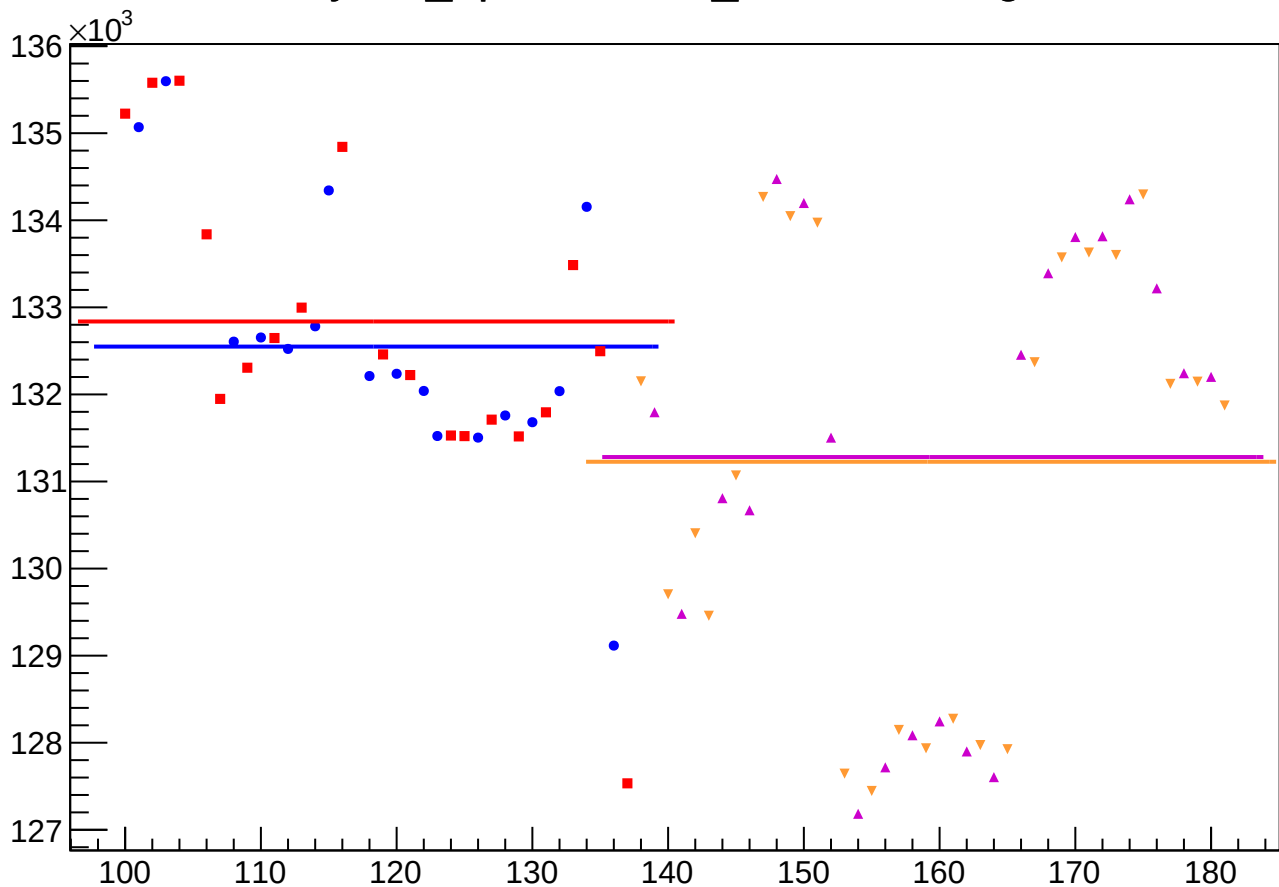
Left In: 299.334 $\pm$ 0.054 χ^2 /NDF: 1049100.1/20

+ sign 279.288 $\pm$ 0.042 χ^2 /NDF: 2110098.2/39

All: 279.927 $\pm$ 0.030 χ^2 /NDF: 4495070.1/79

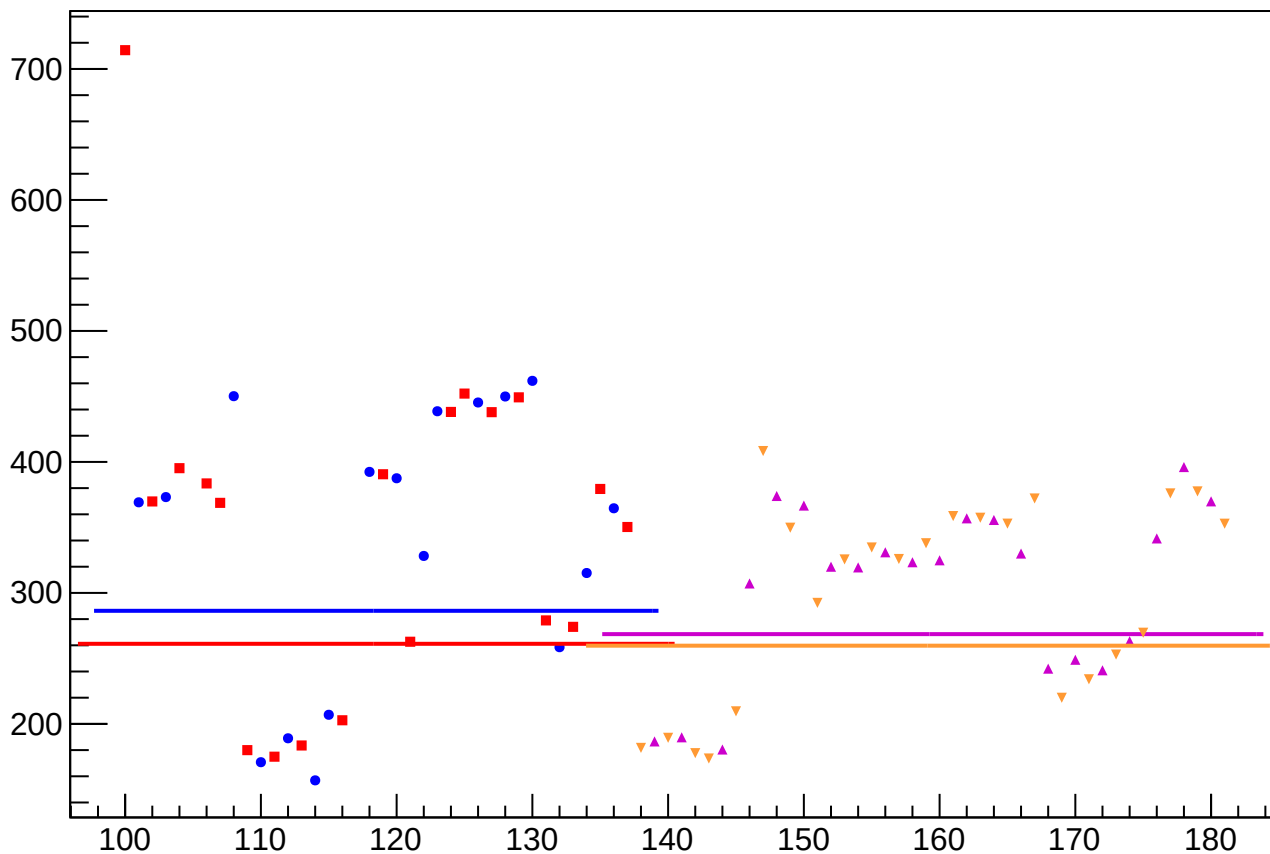
- sign 280.596 $\pm$ 0.043 χ^2 /NDF: 2384493.1/39

yield_bpm0r05WS_mean vs Slug



Right In: 132549.335 $\pm$ 0.120 χ^2 /NDF: 161038742.0/16
 Left Out: 131226.741 $\pm$ 0.065 χ^2 /NDF: 1166481257.9/22
 Right Out: 132837.715 $\pm$ 0.107 χ^2 /NDF: 149672642.4/18
 Left In: 131280.989 $\pm$ 0.069 χ^2 /NDF: 1056038397.4/20
 All: 131634.790 $\pm$ 0.041 χ^2 /NDF: 278275714
 + sign 131531.109 $\pm$ 0.057 χ^2 /NDF: 1421599314.5
 - sign 131741.559 $\pm$ 0.058 χ^2 /NDF: 1354534168.1/

yield_bpm0r05WS_rms vs Slug



Right In: 286.338+/-0.085 χ^2/NDF : 1514049.7/16

Left Out: 259.714+/-0.046 χ^2/NDF : 2594476.9/22

Right Out: 261.146+/-0.076 χ^2/NDF : 1614381.3/18

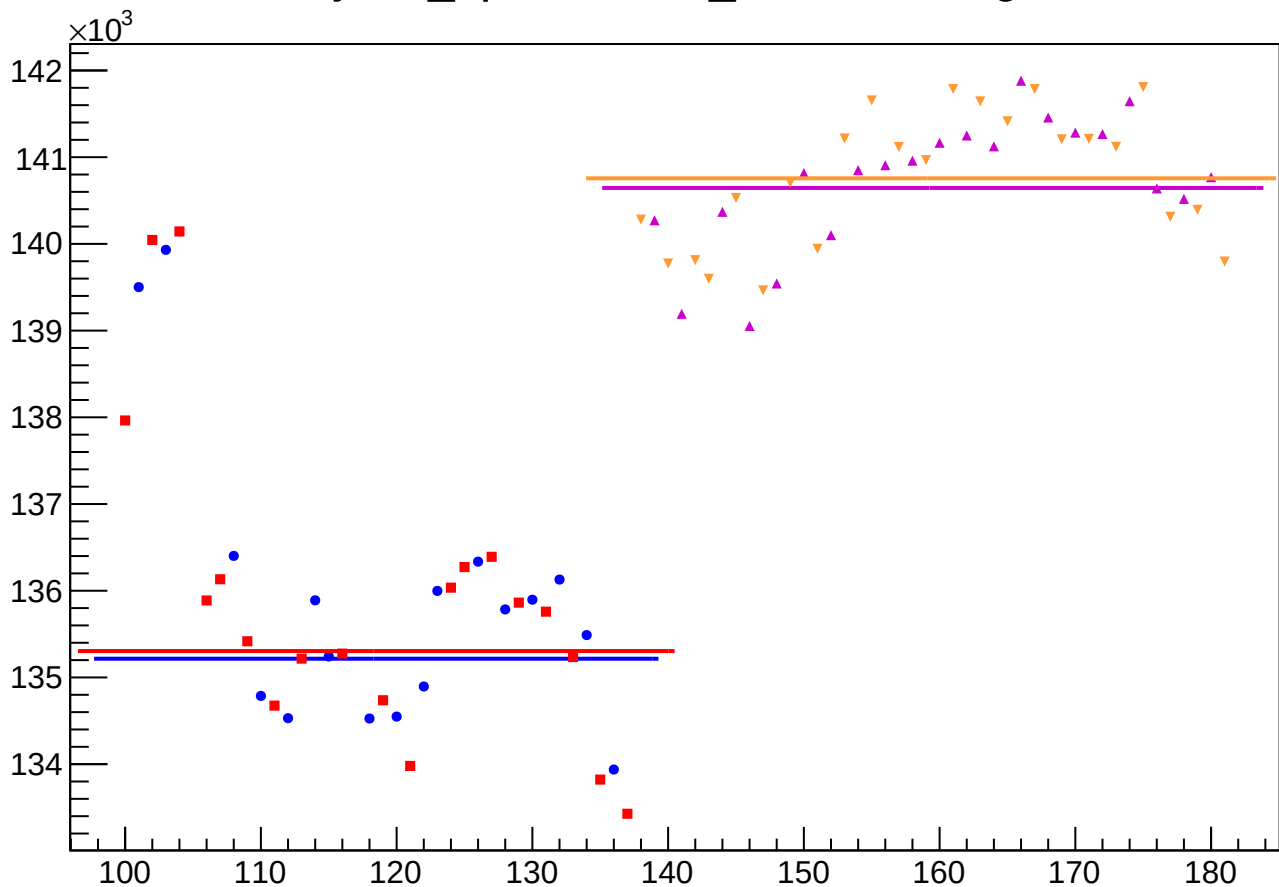
Left In: 268.536+/-0.049 χ^2/NDF : 2048510.6/20

+ sign 265.841+/-0.041 χ^2/NDF : 4184771.9/39

All: 266.092+/-0.029 χ^2/NDF : 7854449.1/79

- sign 266.350+/-0.041 χ^2/NDF : 3669599.6/39

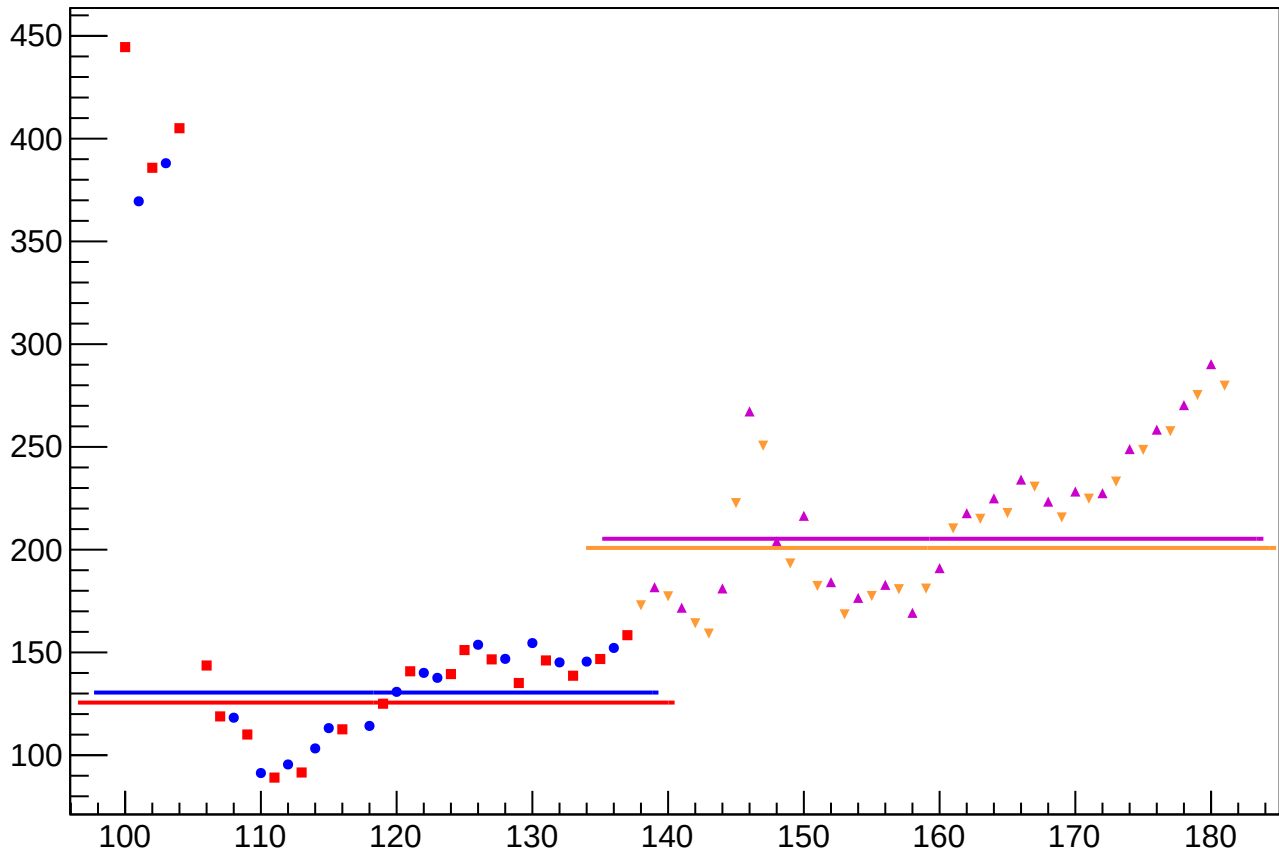
yield_bpm0i02WS_mean vs Slug



Right In: 135216.054 ± 0.054 $\chi^2/\text{NDF}: 371419425.6/16$
 Left Out: 140756.404 ± 0.049 $\chi^2/\text{NDF}: 231181536.0/22$
 Right Out: 135304.602 ± 0.051 $\chi^2/\text{NDF}: 357443836.5/18$
 Left In: 140645.255 ± 0.052 $\chi^2/\text{NDF}: 191036754.7/20$

+ sign 138264.622 ± 0.037 $\chi^2/\text{NDF}: 6303319285.3$
 All: 138100.415 ± 0.026 $\chi^2/\text{NDF}: 12264109$
 - sign 137936.875 ± 0.036 $\chi^2/\text{NDF}: 5920401944.6$

yield_bpm0i02WS_rms vs Slug



Right In: 130.478 ± 0.038 χ^2/NDF : 1372969.9/16

Left Out: 200.845 ± 0.035 χ^2/NDF : 885966.0/22

Right Out: 125.594 ± 0.036 χ^2/NDF : 1434855.8/18

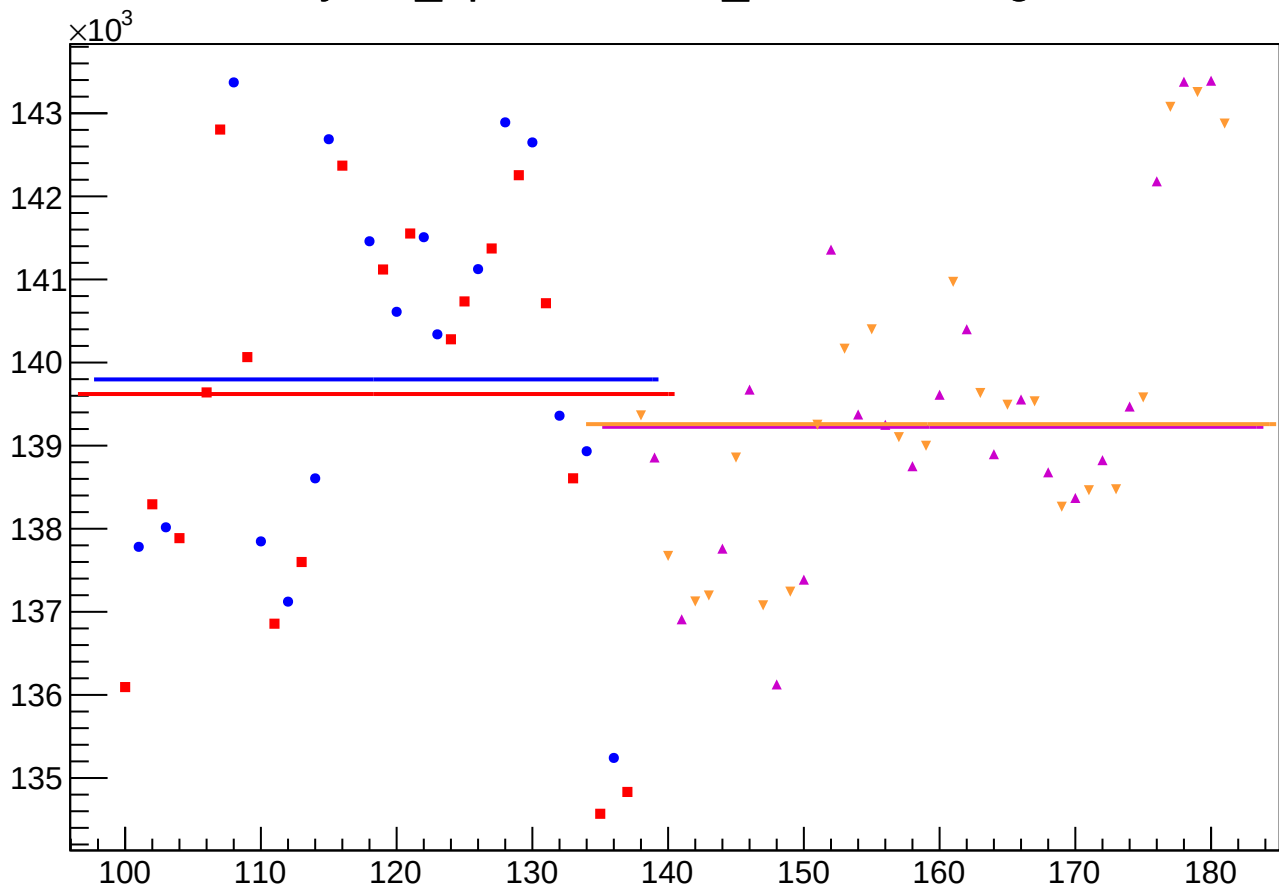
Left In: 205.305 ± 0.037 χ^2/NDF : 790261.7/20

+ sign 169.197 ± 0.026 χ^2/NDF : 4098145.6/39

All: 167.035 ± 0.018 χ^2/NDF : 8730627.1/79

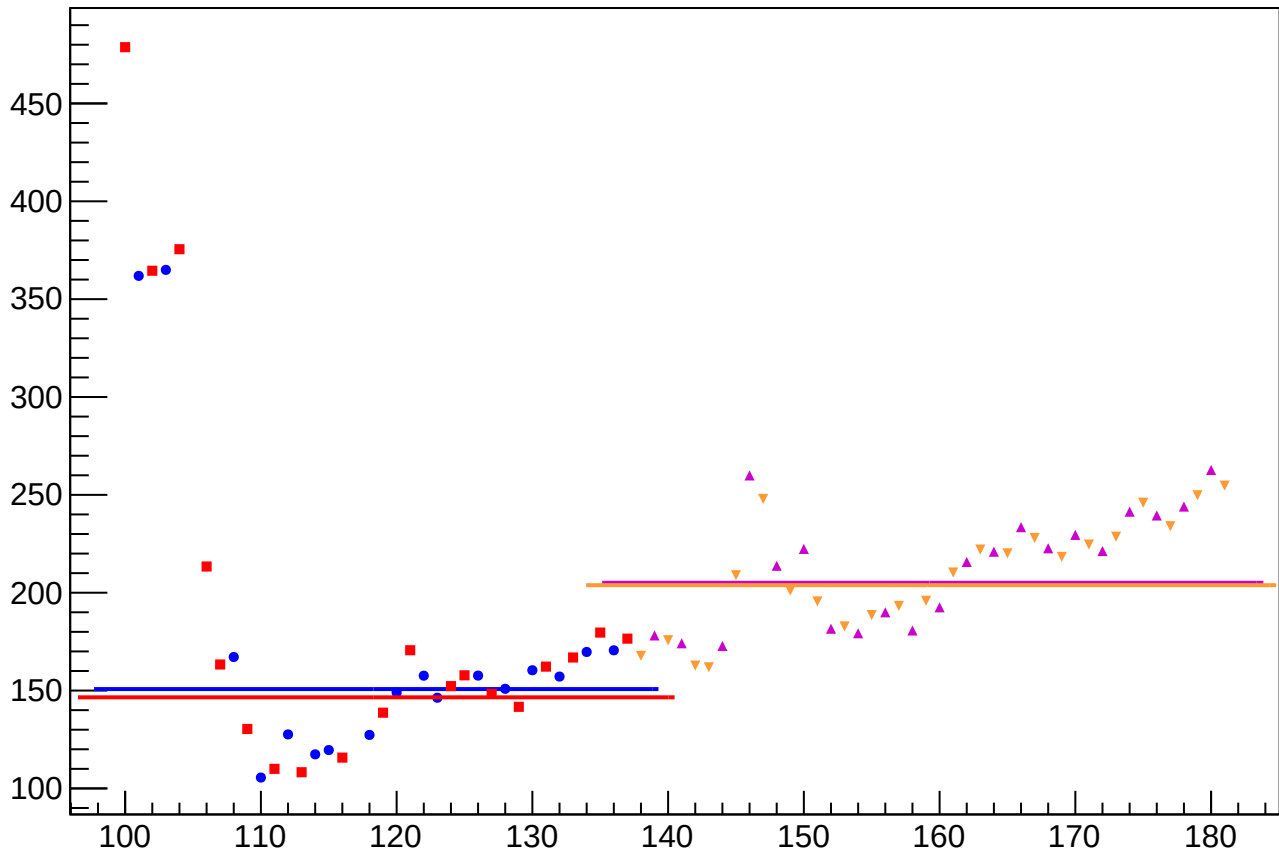
- sign 164.882 ± 0.026 χ^2/NDF : 4618477.6/39

yield_bpm0i02aWS_mean vs Slug



Right In: 139796.979 ± 0.062	$\chi^2/\text{NDF}: 1668151198.8/16$	+ sign 139469.698 ± 0.039	$\chi^2/\text{NDF}: 2804879068.2$
Left Out: 139258.762 ± 0.050	$\chi^2/\text{NDF}: 1090987821.9/22$	All: 139433.849 ± 0.027	$\chi^2/\text{NDF}: 54898474$
Right Out: 139621.197 ± 0.059	$\chi^2/\text{NDF}: 1504518858.4/18$	- sign 139397.903 ± 0.039	$\chi^2/\text{NDF}: 2683263084.1$
Left In: 139226.743 ± 0.052	$\chi^2/\text{NDF}: 1153490350.2/20$		

yield_bpm0i02aWS_rms vs Slug



Right In: 150.766 $\pm$ 0.044 χ^2 /NDF: 1050110.5/16

Left Out: 203.847 $\pm$ 0.035 χ^2 /NDF: 599801.3/22

Right Out: 146.546 $\pm$ 0.042 χ^2 /NDF: 1200776.5/18

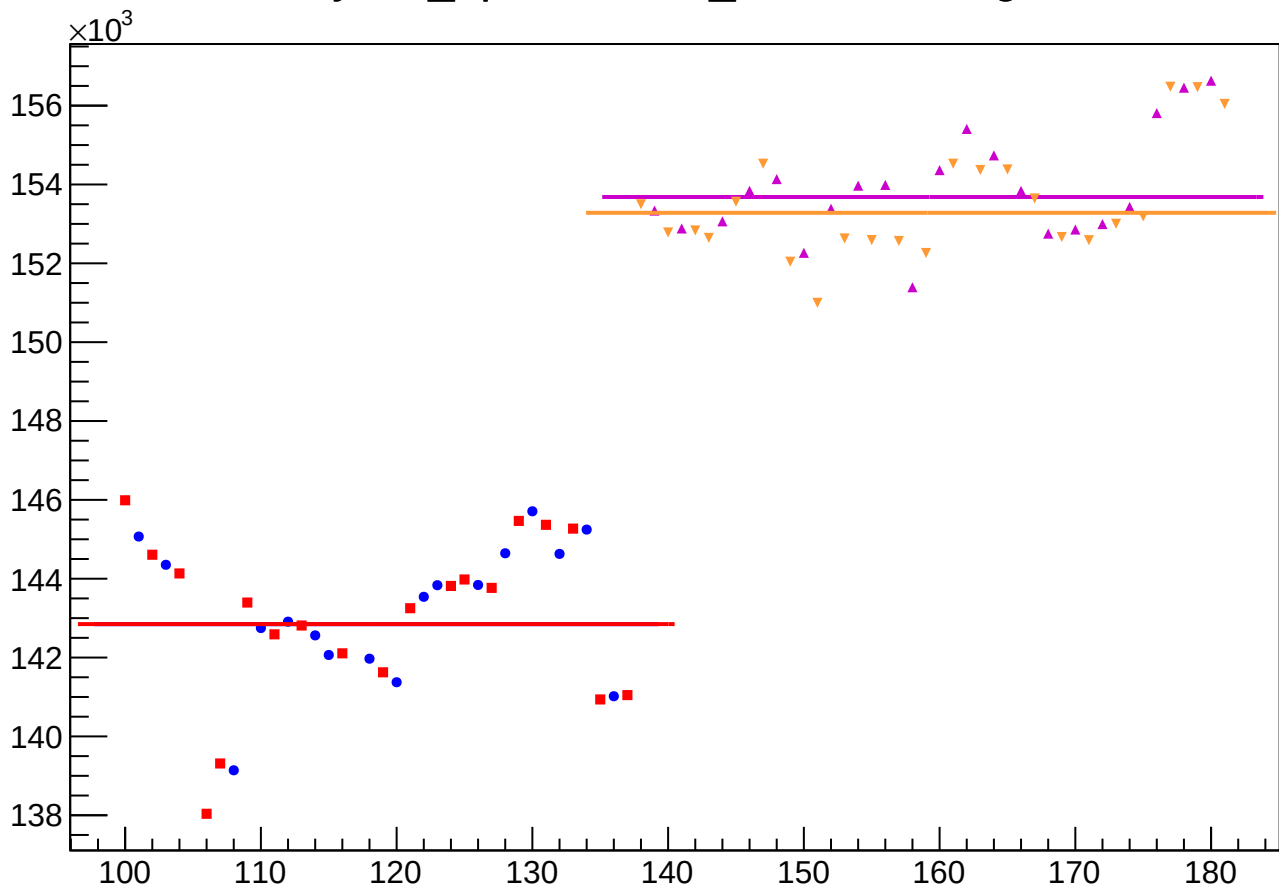
Left In: 205.076 $\pm$ 0.037 χ^2 /NDF: 578698.0/20

+ sign 183.044 $\pm$ 0.027 χ^2 /NDF: 2539695.5/39

All: 181.363 $\pm$ 0.019 χ^2 /NDF: 5438717.0/79

- sign 179.679 $\pm$ 0.028 χ^2 /NDF: 2891529.6/39

yield_bpm0i05WS_mean vs Slug



Right In: 142846.769 $\pm$ 0.065 χ^2 /NDF: 735751313.8/16

Left Out: 153281.609 $\pm$ 0.050 χ^2 /NDF: 663826850.6/22

Right Out: 142848.653 $\pm$ 0.060 χ^2 /NDF: 849741852.9/18

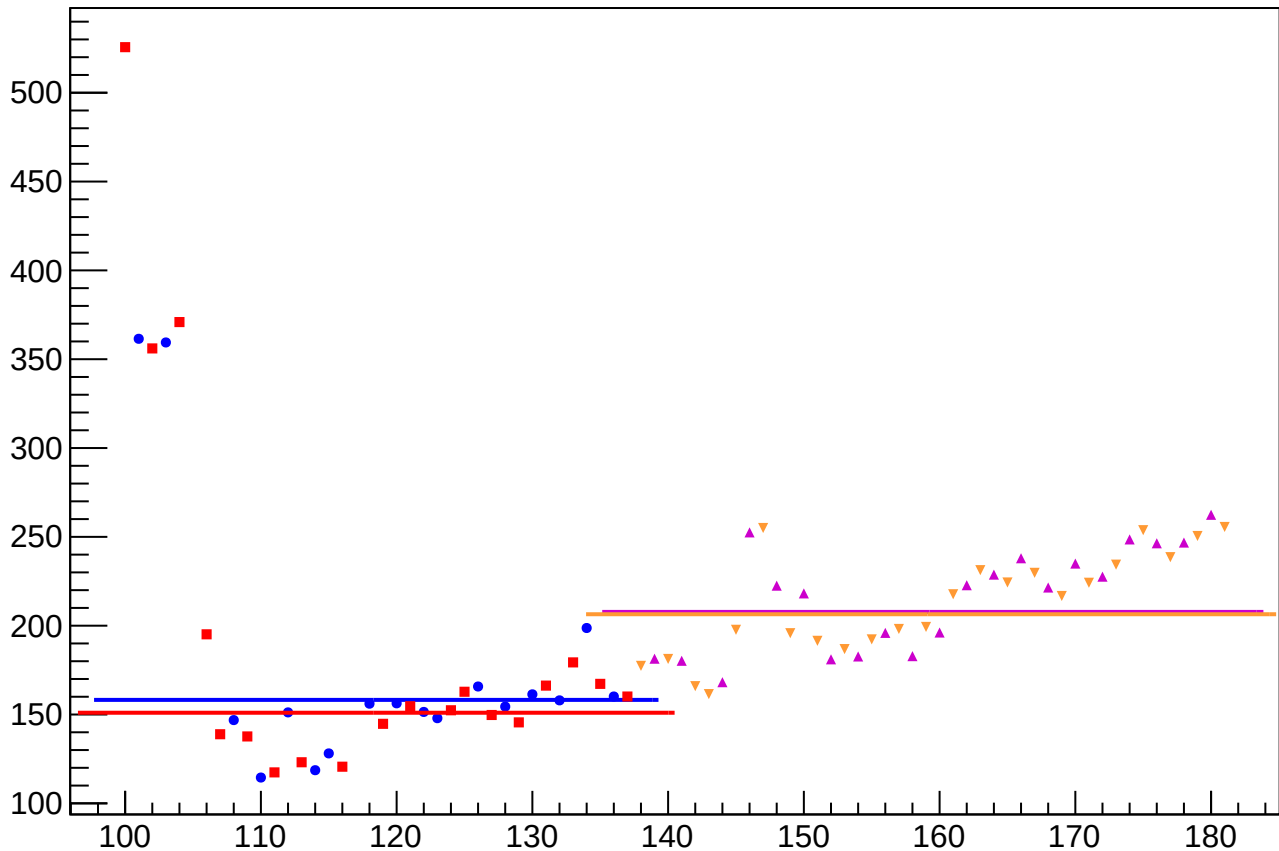
Left In: 153682.784 $\pm$ 0.052 χ^2 /NDF: 566564825.7/20

+ sign 149347.401 $\pm$ 0.040 χ^2 /NDF: 17561723633.

All: 149191.542 $\pm$ 0.028 χ^2 /NDF: 373796363.

- sign 149037.404 $\pm$ 0.040 χ^2 /NDF: 19787379137.3

yield_bpm0i05WS_rms vs Slug



Right In: 158.235 $\pm$ 0.046 χ^2 /NDF: 883619.5/16

Left Out: 206.446 $\pm$ 0.036 χ^2 /NDF: 592304.4/22

Right Out: 150.999 $\pm$ 0.043 χ^2 /NDF: 1000583.6/18

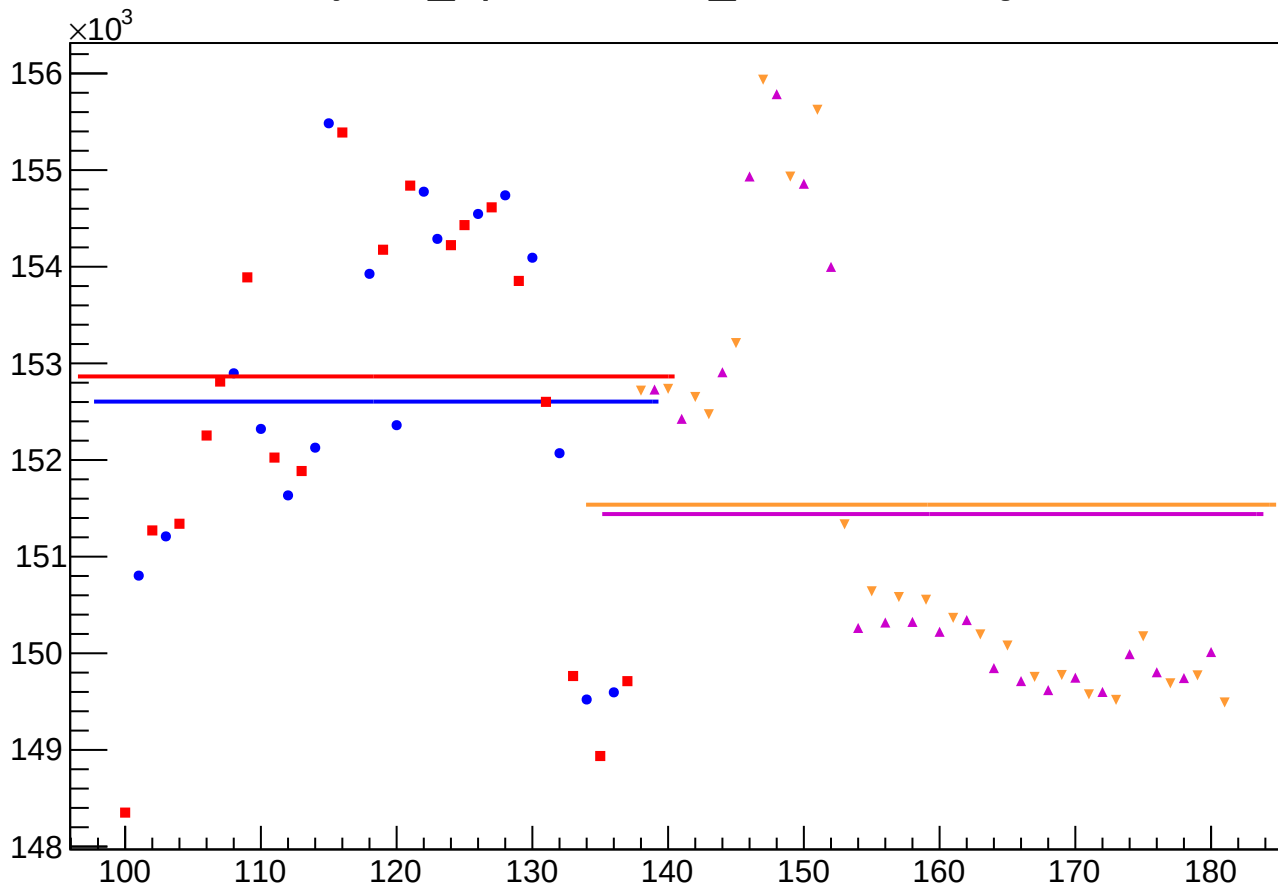
Left In: 207.757 $\pm$ 0.037 χ^2 /NDF: 590246.2/20

+ sign 188.269 $\pm$ 0.028 χ^2 /NDF: 2165946.6/39

All: 185.832 $\pm$ 0.020 χ^2 /NDF: 4780090.5/79

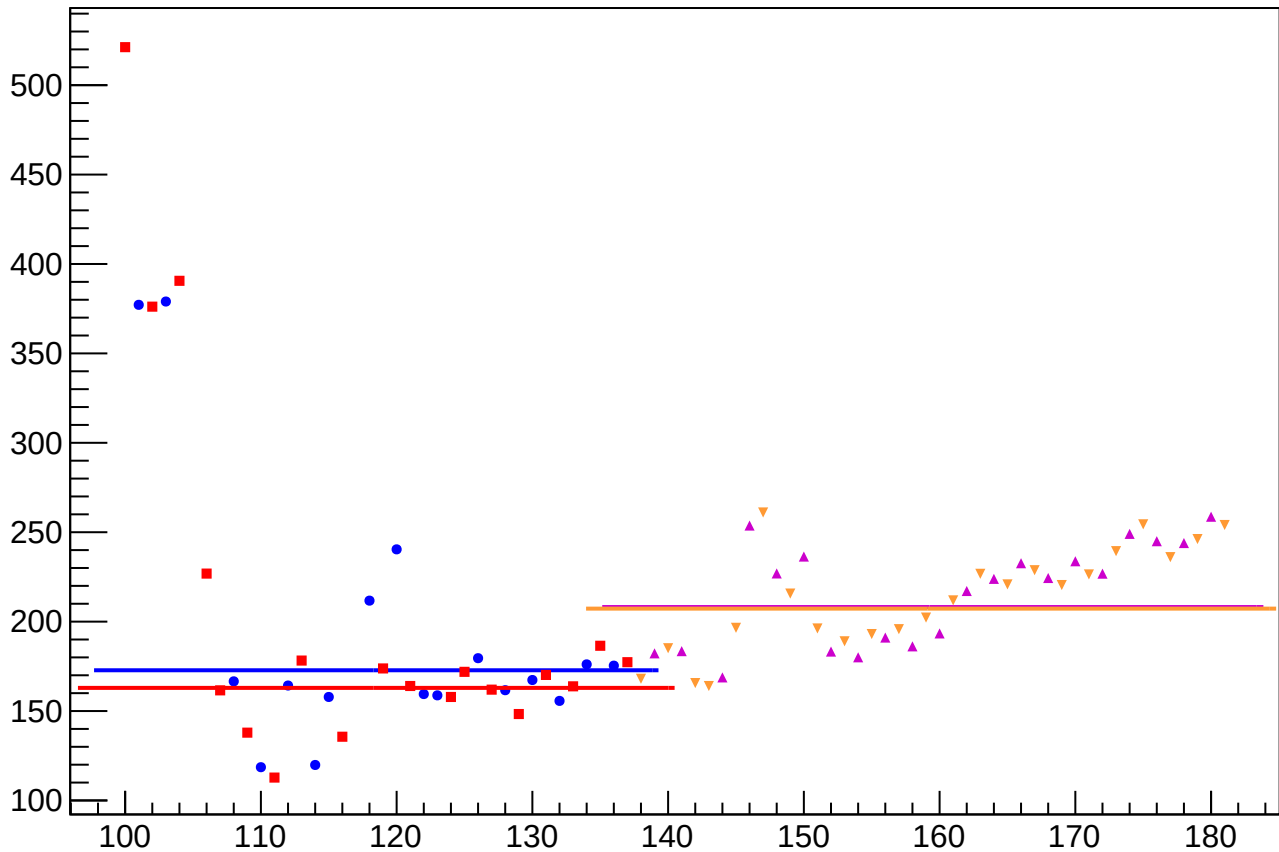
- sign 183.421 $\pm$ 0.028 χ^2 /NDF: 2599205.3/39

yield_bpm0i07WS_mean vs Slug



Right In: 152604.406 $\pm$ 0.072 χ^2 /NDF: 616818062.6/16
 Left Out: 151537.761 $\pm$ 0.050 χ^2 /NDF: 1427954595.0/22
 Right Out: 152864.722 $\pm$ 0.066 χ^2 /NDF: 718455566.6/18
 Left In: 151440.615 $\pm$ 0.052 χ^2 /NDF: 1359148726.2/20
 All: 151937.973 $\pm$ 0.029 χ^2 /NDF: 455638226.6/40
 + sign 151887.261 $\pm$ 0.041 χ^2 /NDF: 2191226568.6/40
 - sign 151987.943 $\pm$ 0.041 χ^2 /NDF: 2362172287.5/40

yield_bpm0i07WS_rms vs Slug



Right In: 172.803 $\pm$ 0.051 χ^2 /NDF: 945652.6/16

Left Out: 207.274 $\pm$ 0.036 χ^2 /NDF: 596858.9/22

Right Out: 162.951 $\pm$ 0.047 χ^2 /NDF: 1032146.9/18

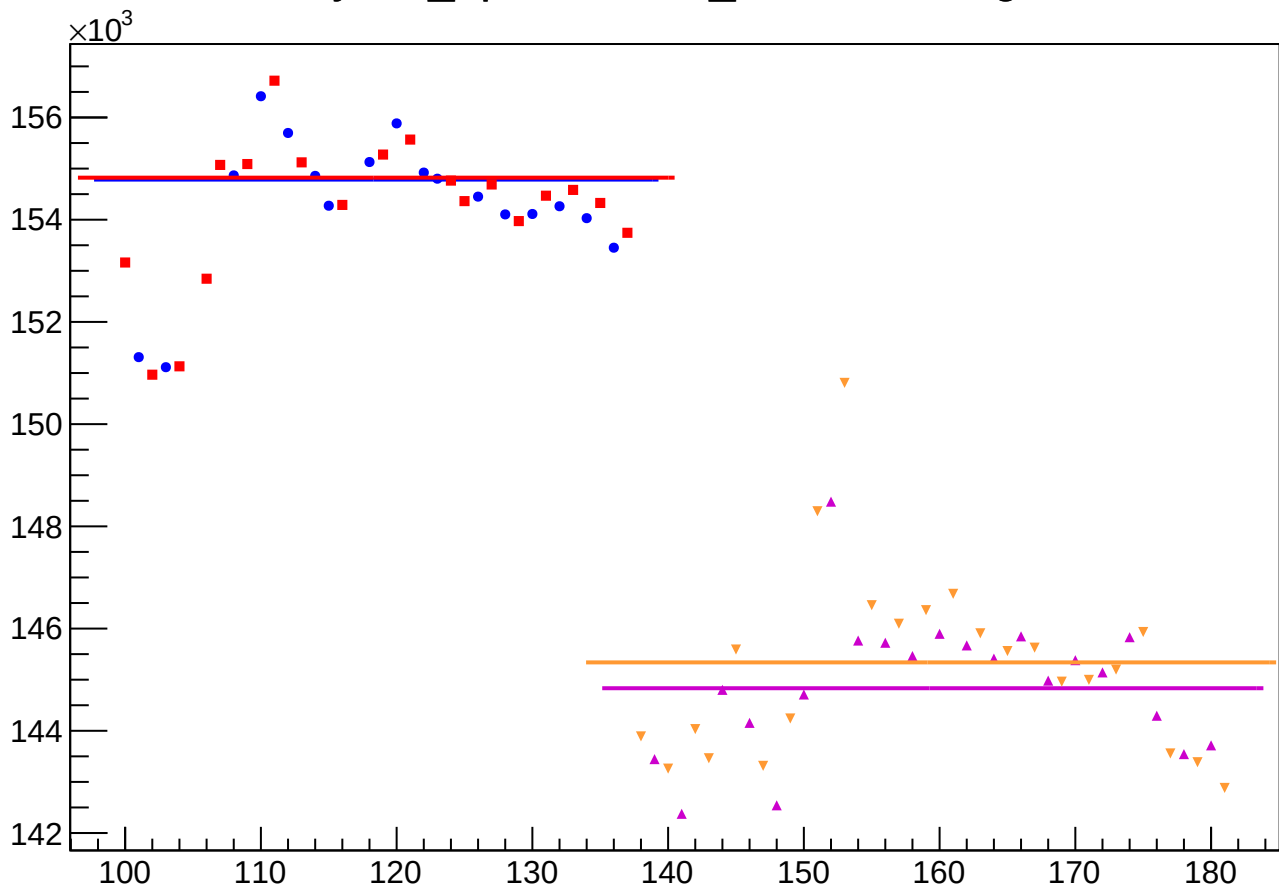
Left In: 208.169 $\pm$ 0.037 χ^2 /NDF: 580120.9/20

+ sign 195.979 $\pm$ 0.029 χ^2 /NDF: 1848429.4/39

All: 193.366 $\pm$ 0.021 χ^2 /NDF: 4050323.8/79

- sign 190.790 $\pm$ 0.029 χ^2 /NDF: 2186046.1/39

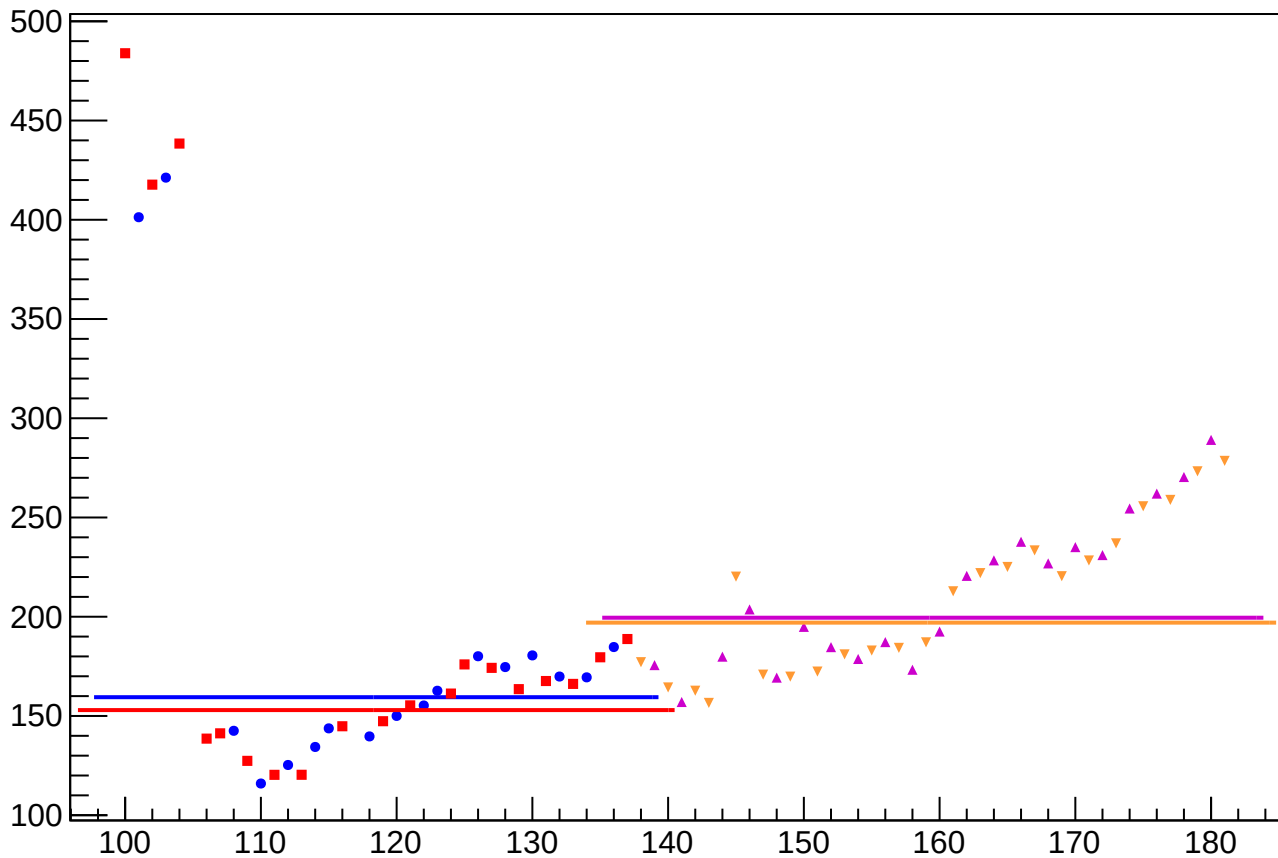
yield_bpm1i02WS_mean vs Slug



Right In: 154784.970 $\pm$ 0.065 χ^2 /NDF: 265445259.7/16
 Left Out: 145338.389 $\pm$ 0.048 χ^2 /NDF: 1646023673.5/22
 Right Out: 154822.442 $\pm$ 0.061 χ^2 /NDF: 293784821.8/18
 Left In: 144832.893 $\pm$ 0.050 χ^2 /NDF: 873447137.4/20

+ sign 148654.614 $\pm$ 0.039 χ^2 /NDF: 15420701970.0
 All: 148769.119 $\pm$ 0.027 χ^2 /NDF: 326013800.0
 - sign 148883.549 $\pm$ 0.039 χ^2 /NDF: 17163258754.2

yield_bpm1i02WS_rms vs Slug



Right In: 159.460 ± 0.046 χ^2/NDF : 1131650.0/16

Left Out: 197.025 ± 0.034 χ^2/NDF : 973106.3/22

Right Out: 152.961 ± 0.043 χ^2/NDF : 1169783.0/18

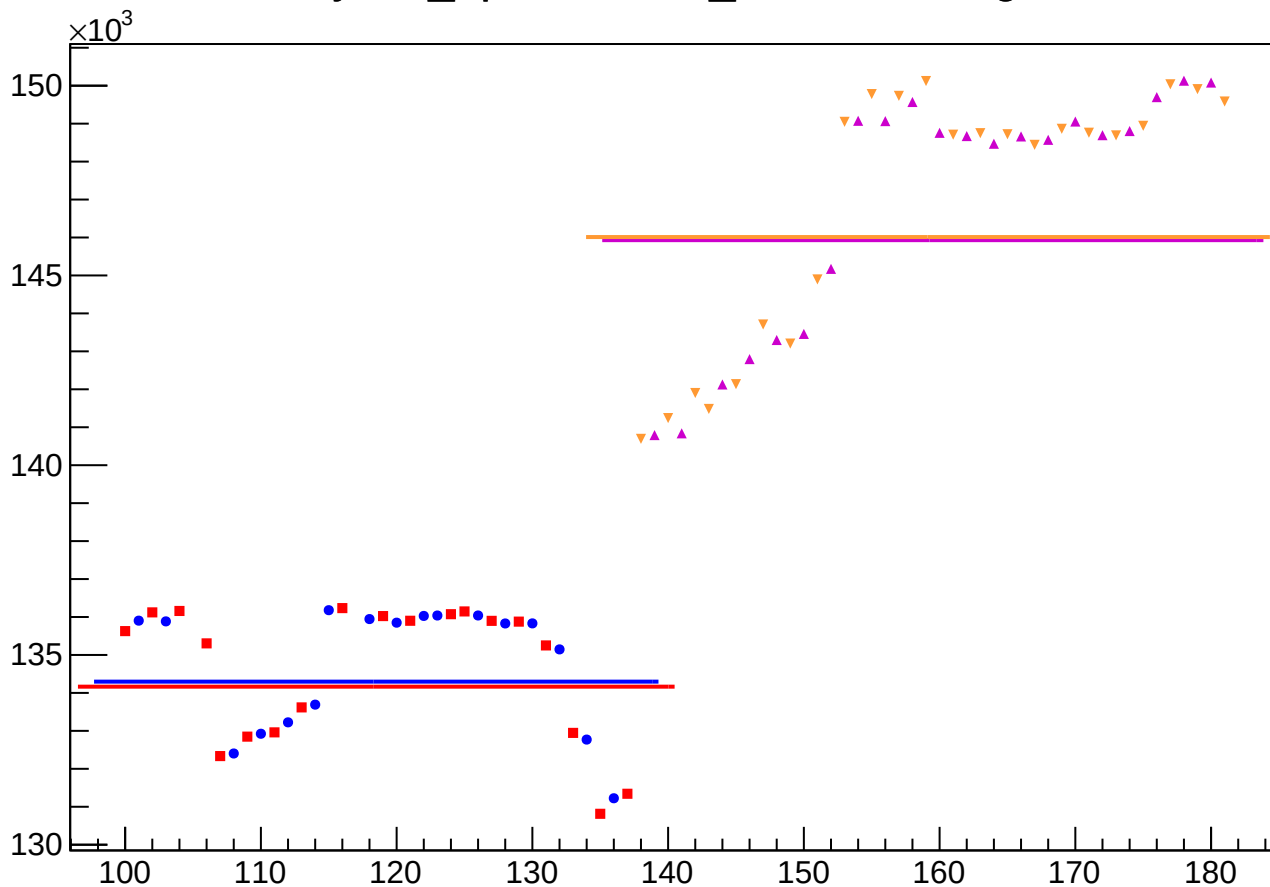
Left In: 199.502 ± 0.036 χ^2/NDF : 875475.8/20

+ sign 183.838 ± 0.027 χ^2/NDF : 2532012.4/39

All: 182.233 ± 0.019 χ^2/NDF : 5278520.8/79

- sign 180.630 ± 0.027 χ^2/NDF : 2739669.8/39

yield_bpm1i04WS_mean vs Slug



Right In: 134297.022 $\pm$ 0.050 χ^2 /NDF: 1147567257.7/16

Left Out: 146011.703 $\pm$ 0.049 χ^2 /NDF: 5223576339.5/22

Right Out: 134164.594 $\pm$ 0.047 χ^2 /NDF: 1210514088.0/18

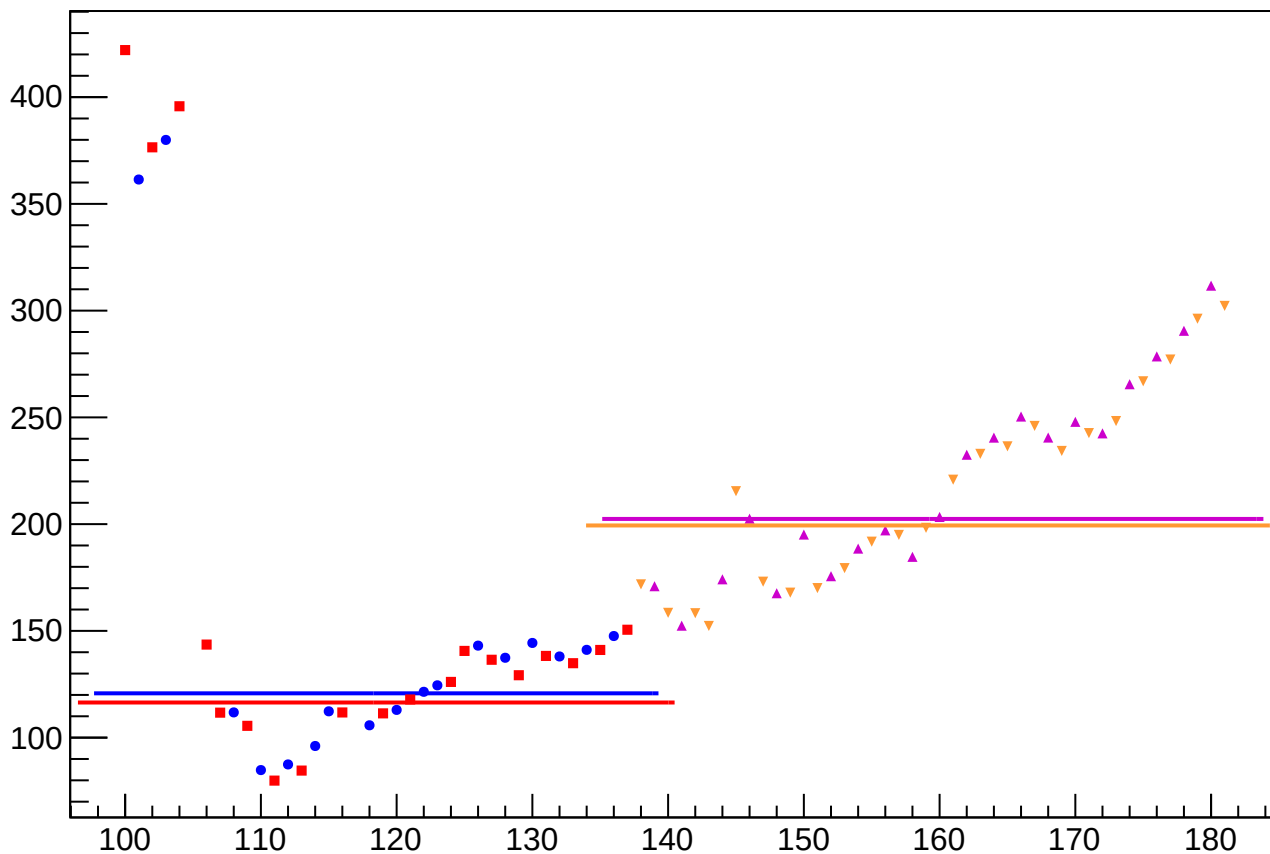
Left In: 145929.917 $\pm$ 0.051 χ^2 /NDF: 4471188774.7/20

+ sign 140316.902 $\pm$ 0.035 χ^2 /NDF: 34136285796.

All: 139945.770 $\pm$ 0.025 χ^2 /NDF: 684006254

- sign 139581.312 $\pm$ 0.035 χ^2 /NDF: 34043234474.3

yield_bpm1i04WS_rms vs Slug



Right In: 120.752 $\pm$ 0.036 χ^2 /NDF: 1465247.5/16

Left Out: 199.379 $\pm$ 0.035 χ^2 /NDF:1347203.8/22

Right Out: 116.453 $\pm$ 0.034 χ^2 /NDF: 1535612.1/18

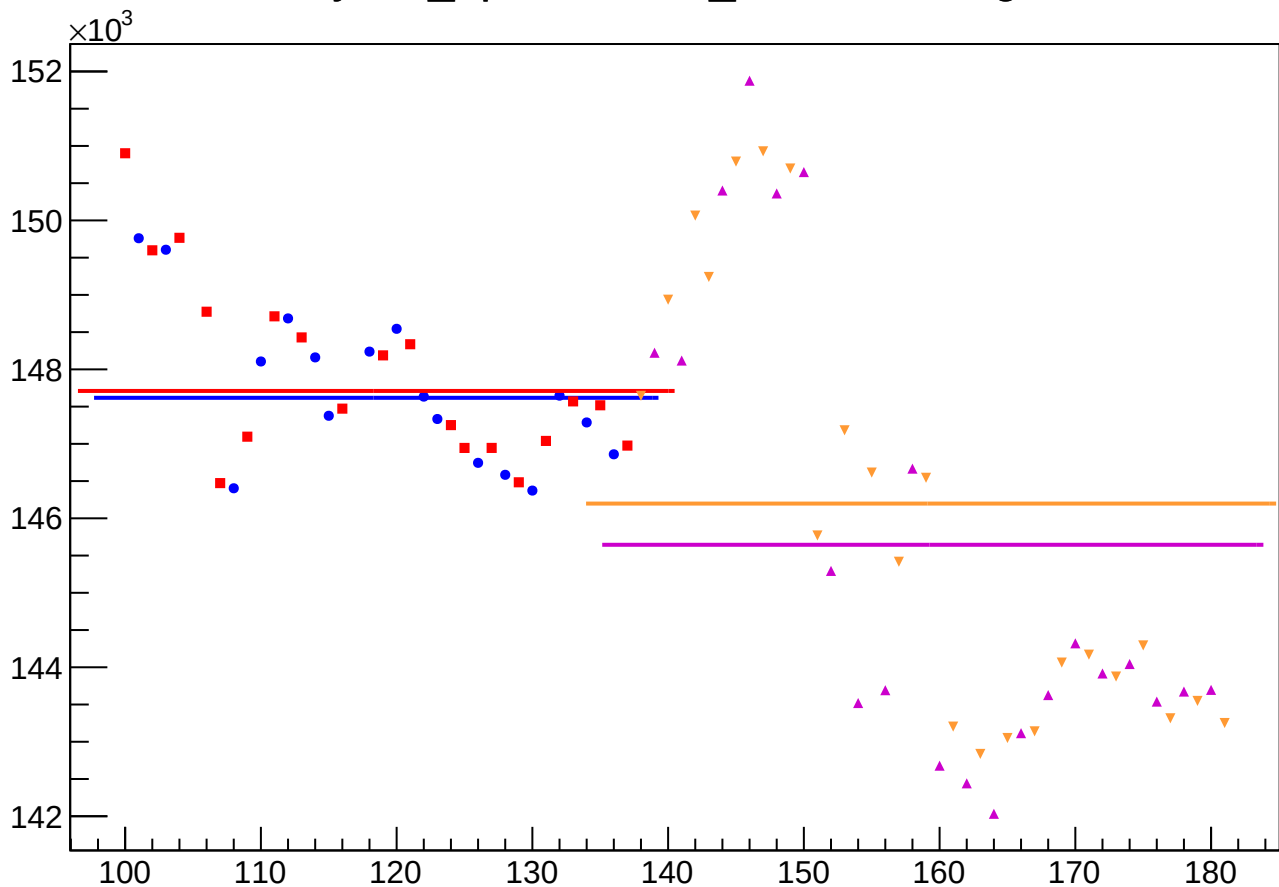
Left In: 202.433 $\pm$ 0.036 χ^2 /NDF:1185640.8/20

+ sign 161.157 $\pm$ 0.025 χ^2 /NDF: 5314010.0/39

All: 158.574 $\pm$ 0.017 χ^2 /NDF: 11086060.3/79

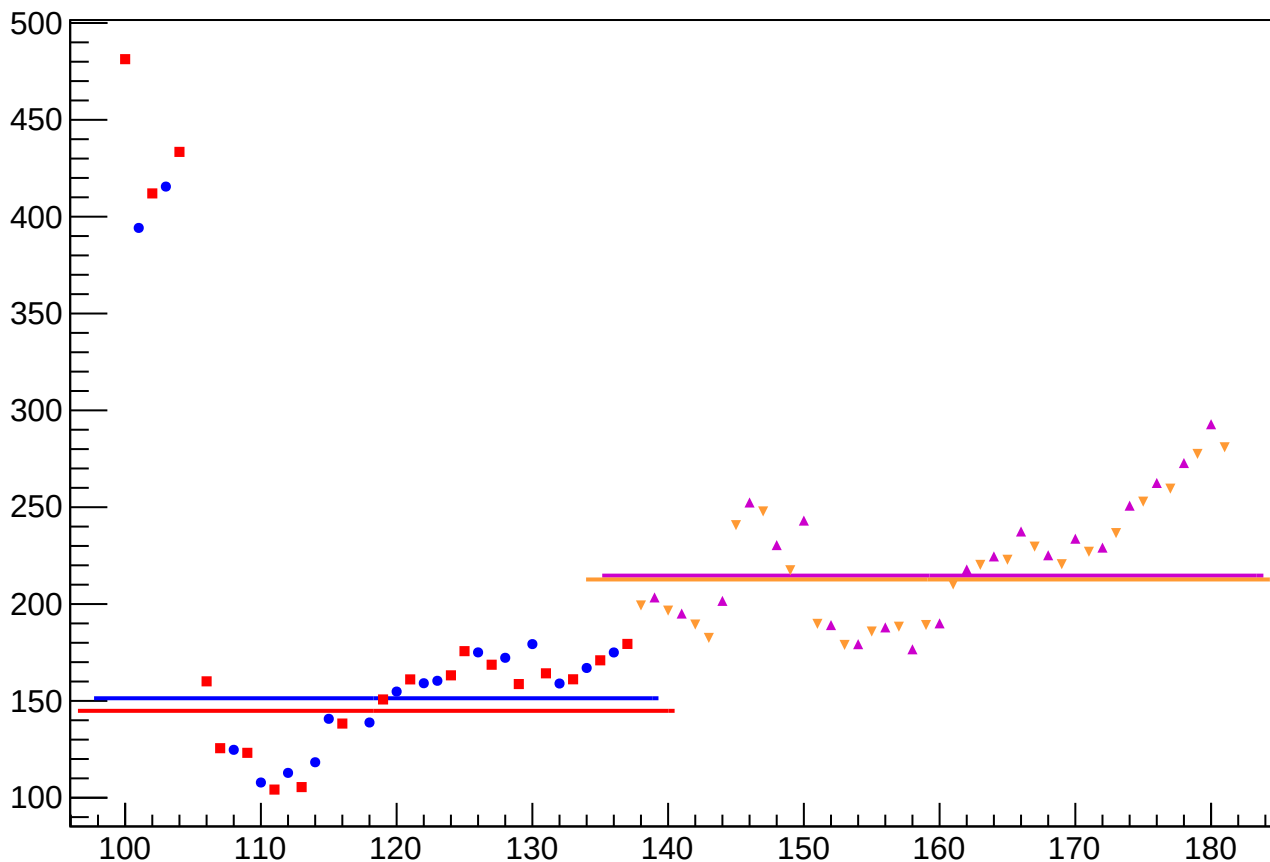
- sign 156.038 $\pm$ 0.025 χ^2 /NDF: 5750637.7/39

yield_bpm1i06WS_mean vs Slug



Right In: 147618.243 $\pm$ 0.063	χ^2 /NDF: 198581777.1/16	+ sign 146774.642 $\pm$ 0.040	χ^2 /NDF: 3094258780.6
Left Out: 146198.057 $\pm$ 0.052	χ^2 /NDF: 2589804200.8/22	All: 146685.109 $\pm$ 0.028	χ^2 /NDF: 696576993.0
Right Out: 147710.334 $\pm$ 0.058	χ^2 /NDF: 203714451.2/18	- sign 146596.780 $\pm$ 0.040	χ^2 /NDF: 3861497098.0
Left In: 145644.744 $\pm$ 0.054	χ^2 /NDF: 2982033600.7/20		

yield_bpm1i06WS_rms vs Slug



Right In: 151.363+/-0.044 χ^2/NDF : 1259788.8/16

Left Out: 212.690+/-0.037 χ^2/NDF : 589887.6/22

Right Out: 144.870+/-0.041 χ^2/NDF : 1371292.3/18

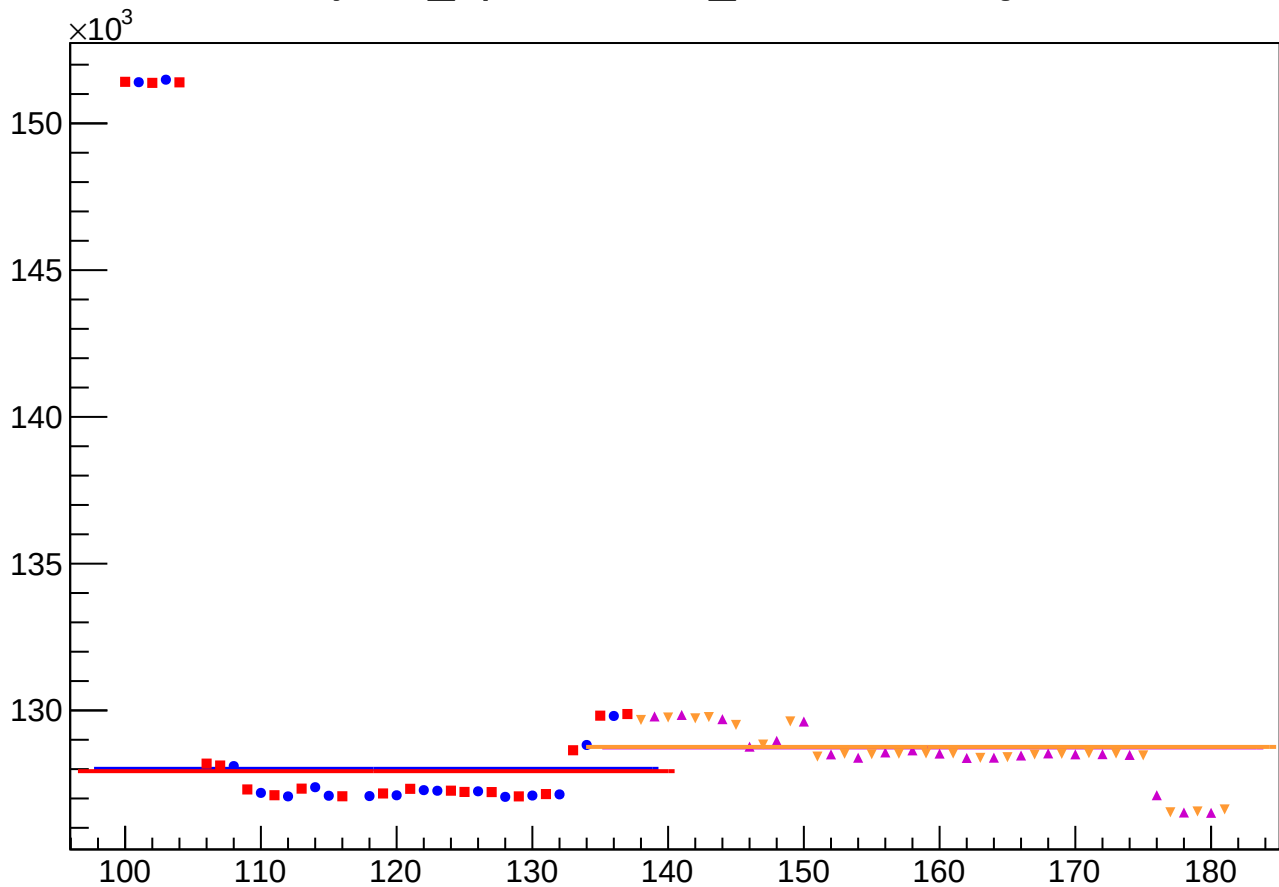
Left In: 214.679+/-0.038 χ^2/NDF : 629059.6/20

+ sign 187.791+/-0.028 χ^2/NDF : 2990424.0/39

All: 185.130+/-0.020 χ^2/NDF : 6552128.5/79

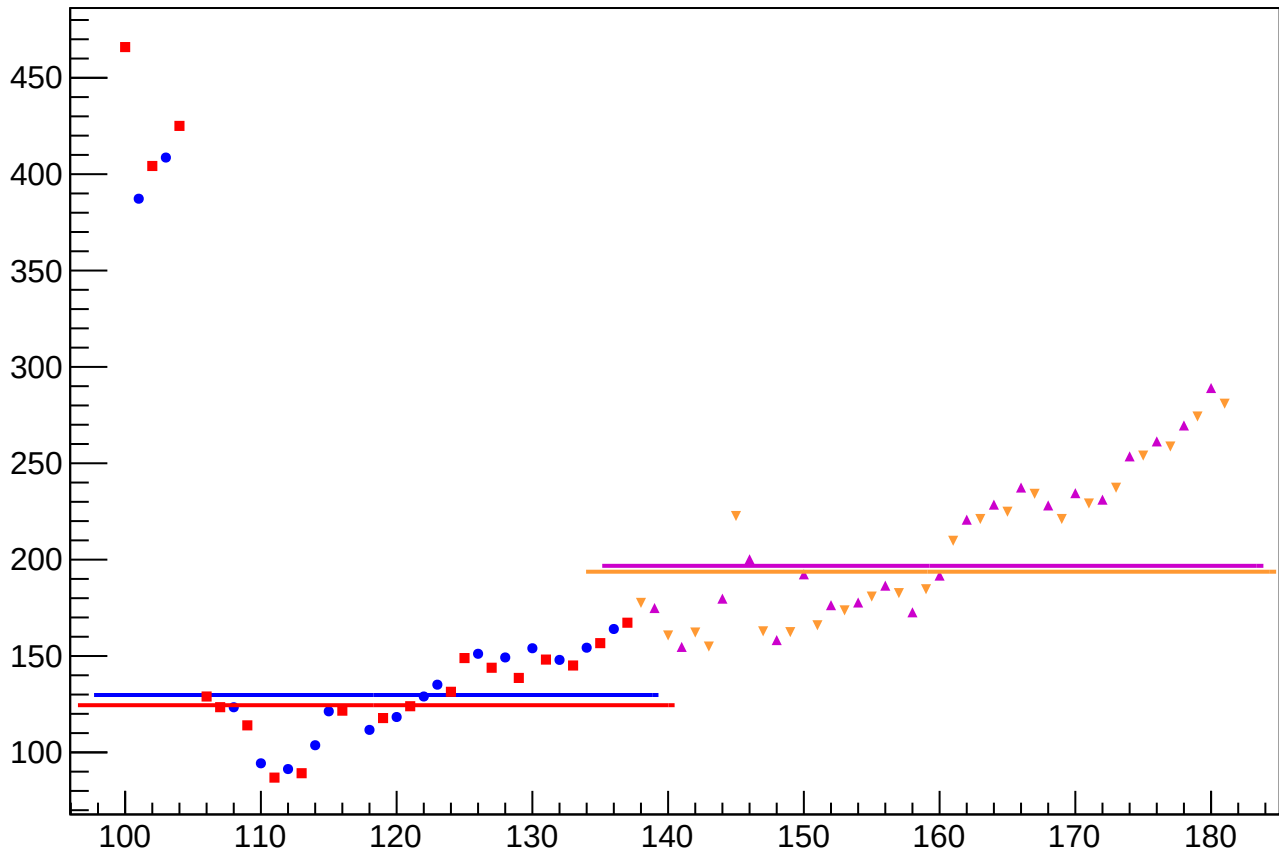
- sign 182.503+/-0.028 χ^2/NDF : 3544001.1/39

yield_bpm2i01WS_mean vs Slug



Right In: 128009.906 $\pm$ 0.054 χ^2/NDF : 4319099803.8/16
 Left Out: 128756.684 $\pm$ 0.047 χ^2/NDF : 296125738.8/22
 Right Out: 127930.465 $\pm$ 0.050 χ^2/NDF : 3768075163.1/18
 Left In: 128738.910 $\pm$ 0.050 χ^2/NDF : 258510241.3/20
 All: 128386.270 $\pm$ 0.025 χ^2/NDF : 888320252

yield_bpm2i01WS_rms vs Slug



Right In: 129.769+/-0.038 χ^2/NDF : 1483741.9/16

Left Out: 193.741+/-0.034 χ^2/NDF : 1110944.4/22

Right Out: 124.477+/-0.036 χ^2/NDF : 1526276.6/18

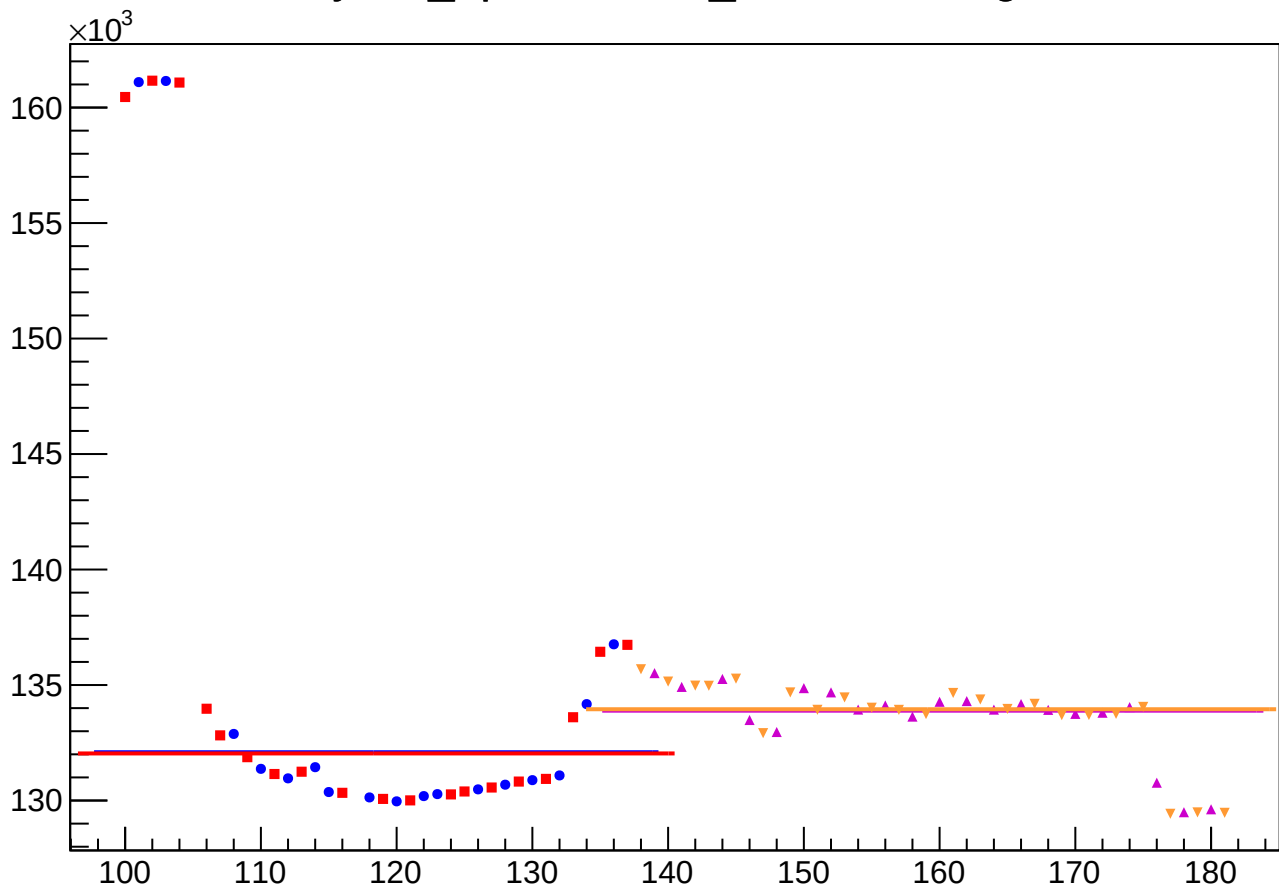
Left In: 196.793+/-0.035 χ^2/NDF : 967651.2/20

+ sign 166.015+/-0.025 χ^2/NDF : 4172515.1/39

All: 163.556+/-0.018 χ^2/NDF : 8773355.3/79

- sign 161.139+/-0.025 χ^2/NDF : 4582008.5/39

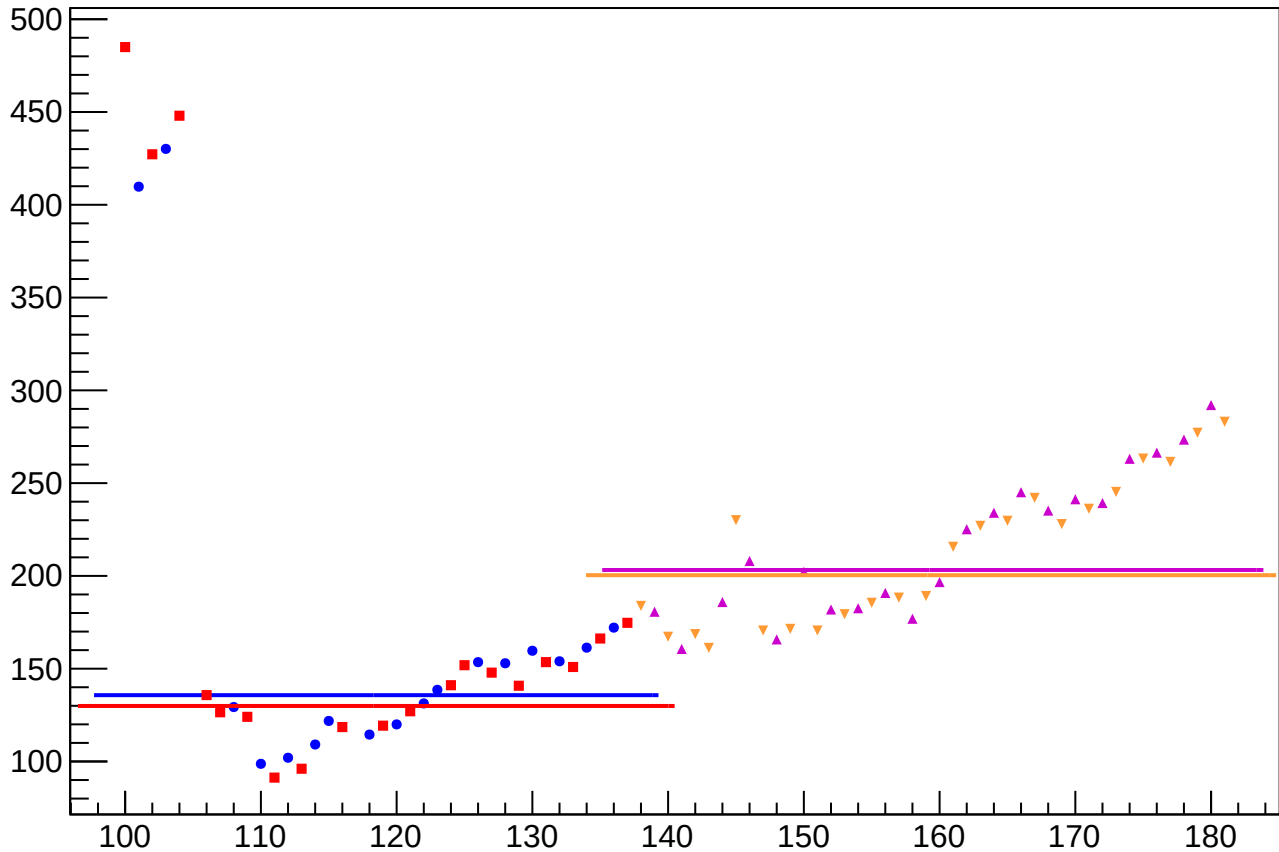
yield_bpm2i02WS_mean vs Slug



Right In: 132090.159 ± 0.057 $\chi^2/\text{NDF}: 6731961368.4/16$
 Left Out: 133951.723 ± 0.049 $\chi^2/\text{NDF}: 875128260.2/22$
 Right Out: 132038.077 ± 0.053 $\chi^2/\text{NDF}: 5881799125.4/18$
 Left In: 133890.196 ± 0.051 $\chi^2/\text{NDF}: 698659389.4/20$

+ sign 133154.582 ± 0.037 $\chi^2/\text{NDF}: 8225393430.5$
 All: 133069.835 ± 0.026 $\chi^2/\text{NDF}: 154527294$
 - sign 132986.678 ± 0.037 $\chi^2/\text{NDF}: 7216966893.0$

yield_bpm2i02WS_rms vs Slug



Right In: 135.730 $\pm$ 0.040 χ^2 /NDF: 1442560.7/16

Left Out: 200.381 $\pm$ 0.035 χ^2 /NDF:1030272.8/22

Right Out: 129.912 $\pm$ 0.037 χ^2 /NDF: 1498757.6/18

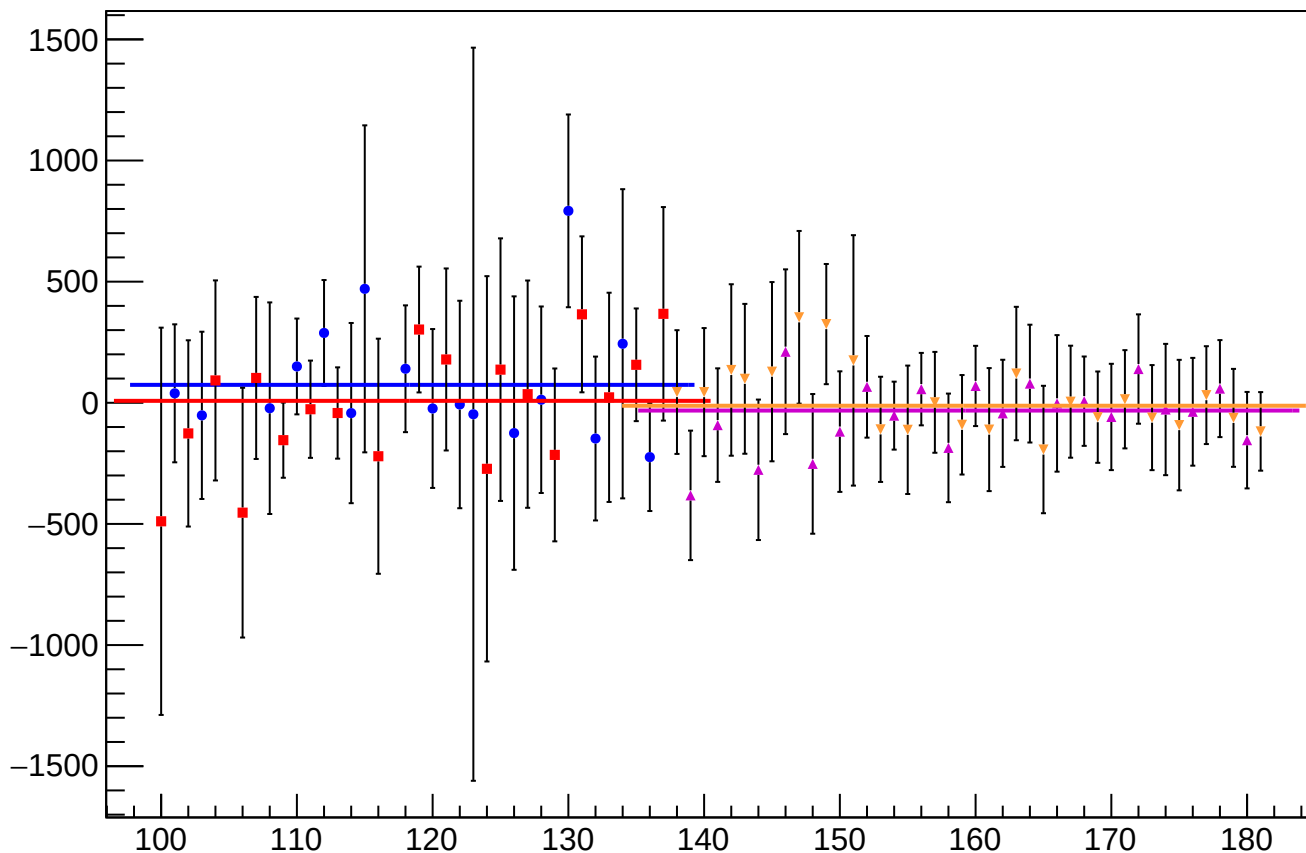
Left In: 203.191 $\pm$ 0.036 χ^2 /NDF:917333.6/20

+ sign 172.697 $\pm$ 0.026 χ^2 /NDF: 3964338.9/39

All: 170.045 $\pm$ 0.018 χ^2 /NDF: 8393498.2/79

- sign 167.444 $\pm$ 0.026 χ^2 /NDF: 4408856.6/39

asym_bcm_an_ds_mean vs Slug



Right In: 74.036 ± 79.233 χ^2/NDF : 7.6/16

Left Out: -12.168 ± 49.881 χ^2/NDF : 5.7/22

Right Out: 8.046 ± 70.080 χ^2/NDF : 7.2/18

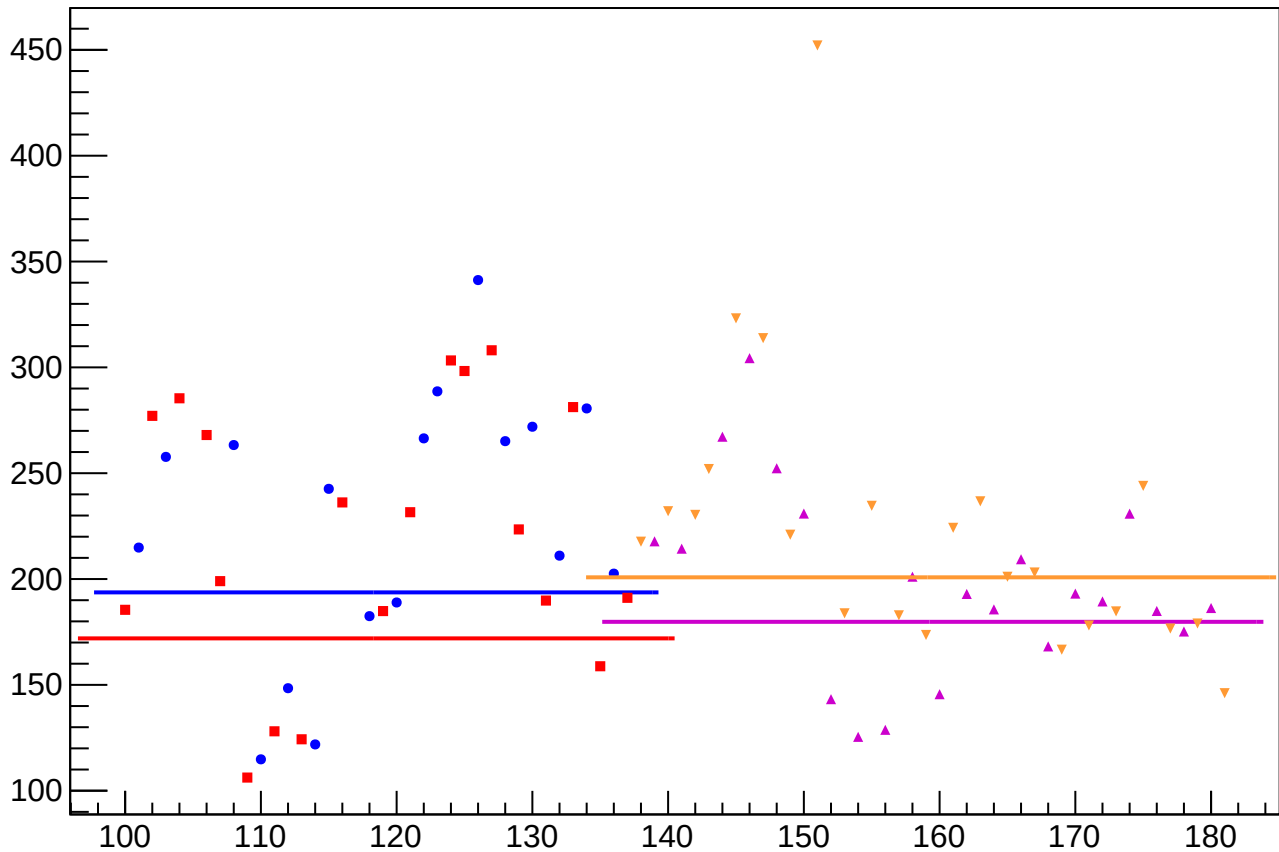
Left In: -32.033 ± 46.657 χ^2/NDF : 6.6/20

+ sign 12.300 ± 42.213 χ^2/NDF : 14.2/39

All: -5.043 ± 28.581 χ^2/NDF : 28.5/79

- sign -19.724 ± 38.837 χ^2/NDF : 14.0/39

asym_bcm_an_ds_rms vs Slug



Right In: 193.695 ± 0.056 $\chi^2/\text{NDF}: 1018039.6/16$

Left Out: 200.807 ± 0.035 $\chi^2/\text{NDF}: 1590334.3/22$

Right Out: 171.963 ± 0.050 $\chi^2/\text{NDF}: 1574387.3/18$

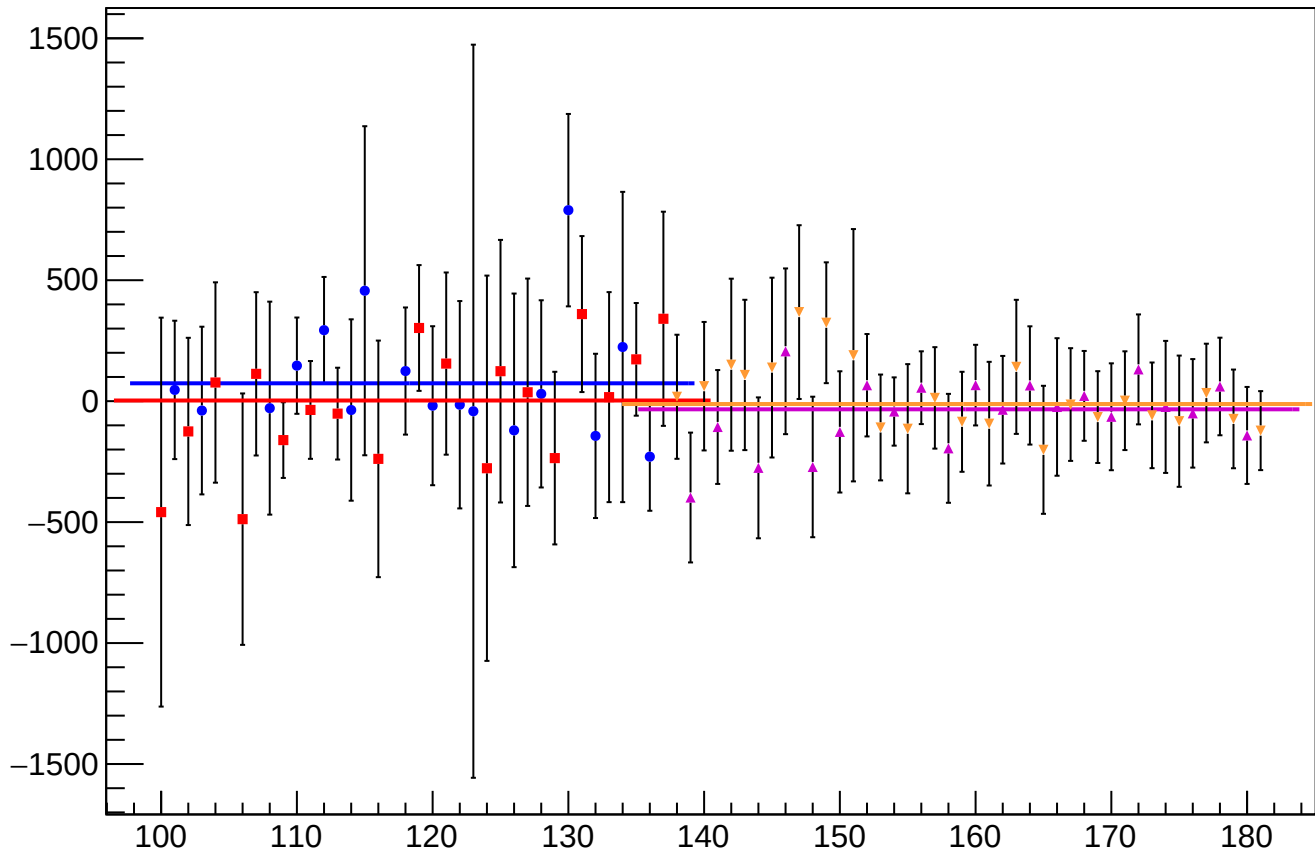
Left In: 179.785 ± 0.033 $\chi^2/\text{NDF}: 1567410.7/20$

+ sign 198.789 ± 0.030 $\chi^2/\text{NDF}: 2619915.1/39$

All: 187.196 ± 0.020 $\chi^2/\text{NDF}: 6057514.8/79$

- sign 177.383 ± 0.027 $\chi^2/\text{NDF}: 3159061.0/39$

asym_bcm_an_ds3_mean vs Slug



Right In: 73.822 $\pm$ 79.620 χ^2 /NDF: 7.5/16

Left Out: -11.865 $\pm$ 50.229 χ^2 /NDF: 5.9/22

Right Out: 2.721 $\pm$ 70.450 χ^2 /NDF: 7.4/18

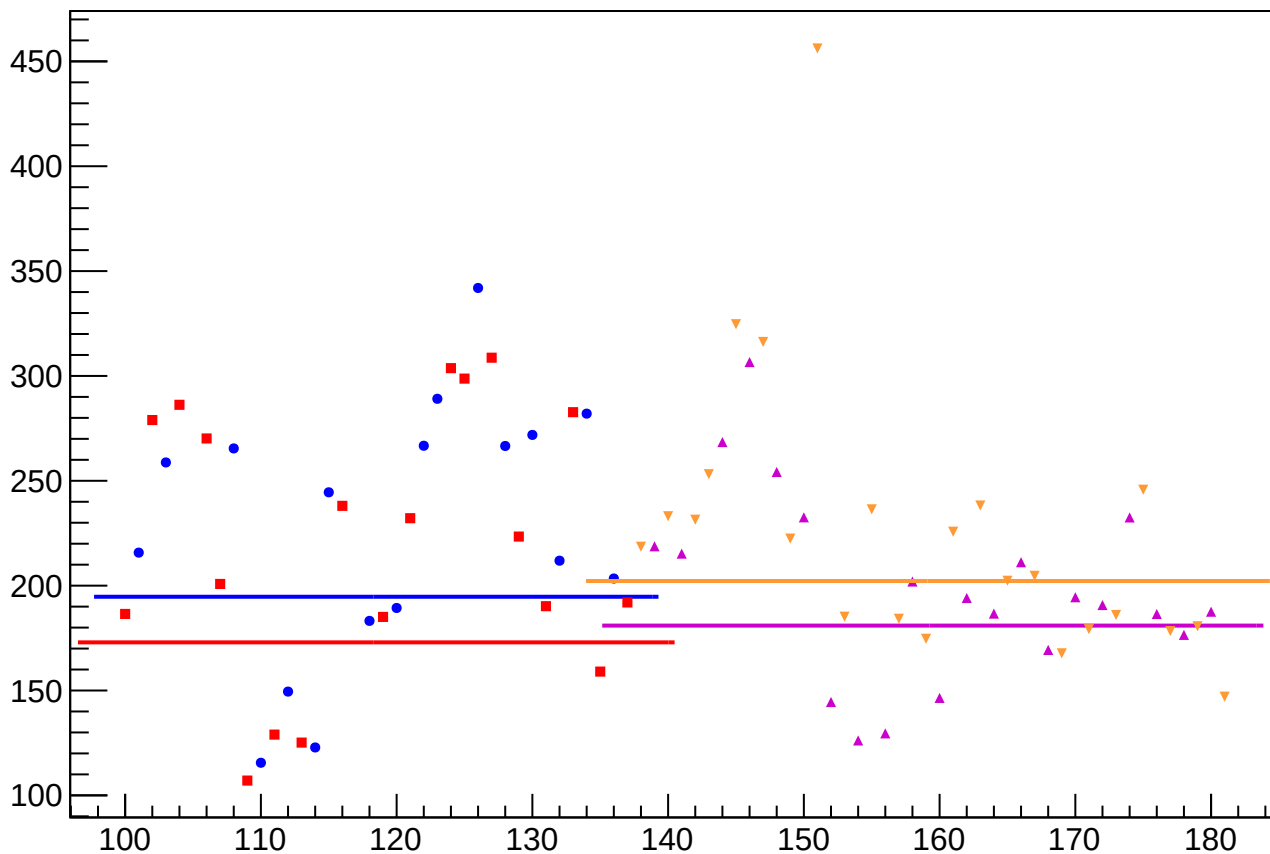
Left In: -33.738 $\pm$ 46.961 χ^2 /NDF: 6.7/20

+ sign 12.529 $\pm$ 42.482 χ^2 /NDF: 14.3/39

All: -6.458 $\pm$ 28.759 χ^2 /NDF: 28.9/79

- sign -22.522 $\pm$ 39.075 χ^2 /NDF: 14.3/39

asym_bcm_an_ds3_rms vs Slug



Right In: 194.704 $\pm$ 0.056 χ^2 /NDF: 1009606.0/16

Left Out: 202.213 $\pm$ 0.036 χ^2 /NDF:1586399.9/22

Right Out: 172.953 $\pm$ 0.050 χ^2 /NDF: 1562179.1/18

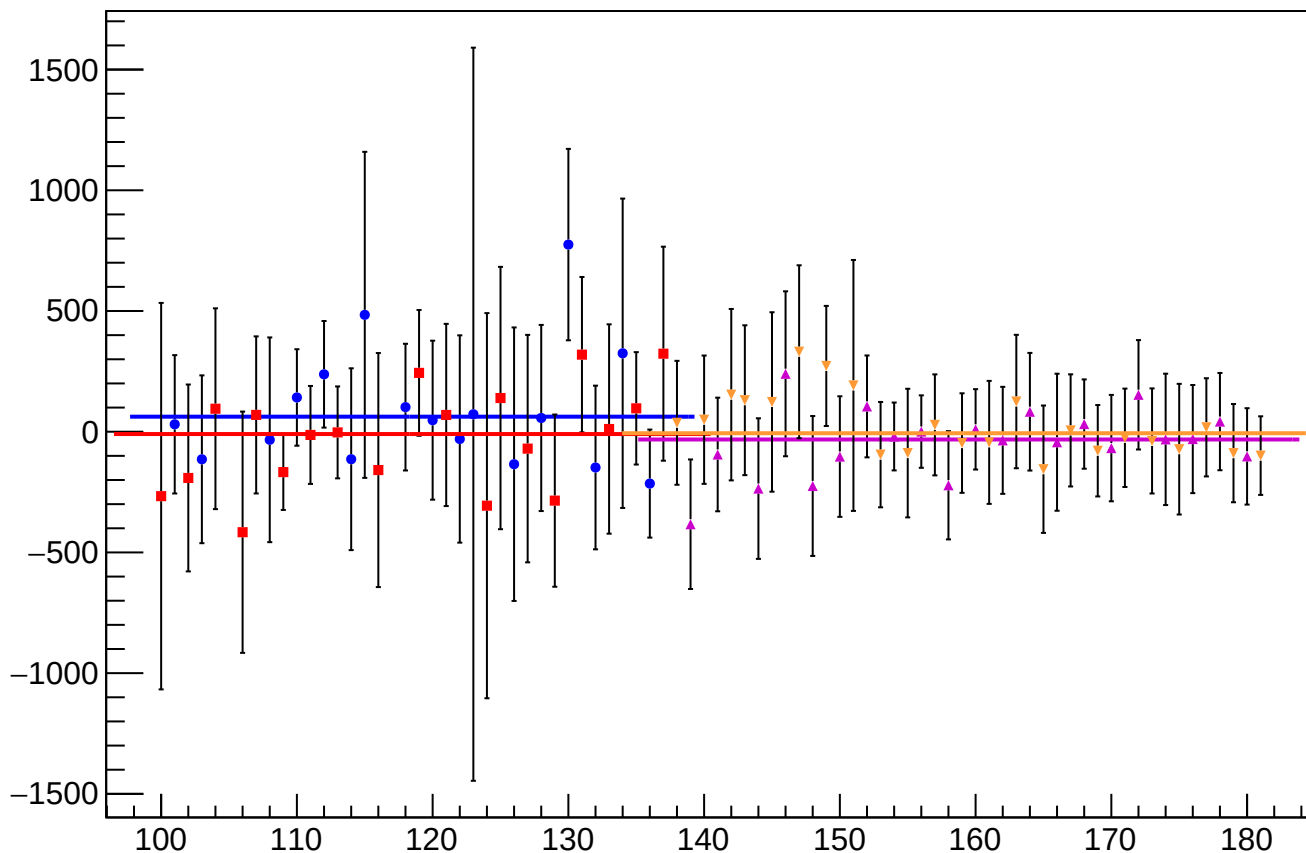
Left In: 180.952 $\pm$ 0.033 χ^2 /NDF:1566828.2/20

+ sign 200.076 $\pm$ 0.030 χ^2 /NDF: 2608731.0/39

All: 188.383 $\pm$ 0.020 χ^2 /NDF: 6035273.8/79

- sign 178.491 $\pm$ 0.028 χ^2 /NDF: 3146856.1/39

asym_bcm_an_us_mean vs Slug



Right In: 62.284 ± 79.616 χ^2/NDF : 7.2/16

Left Out: -6.260 ± 50.104 χ^2/NDF : 4.5/22

Right Out: -9.662 ± 70.372 χ^2/NDF : 5.9/18

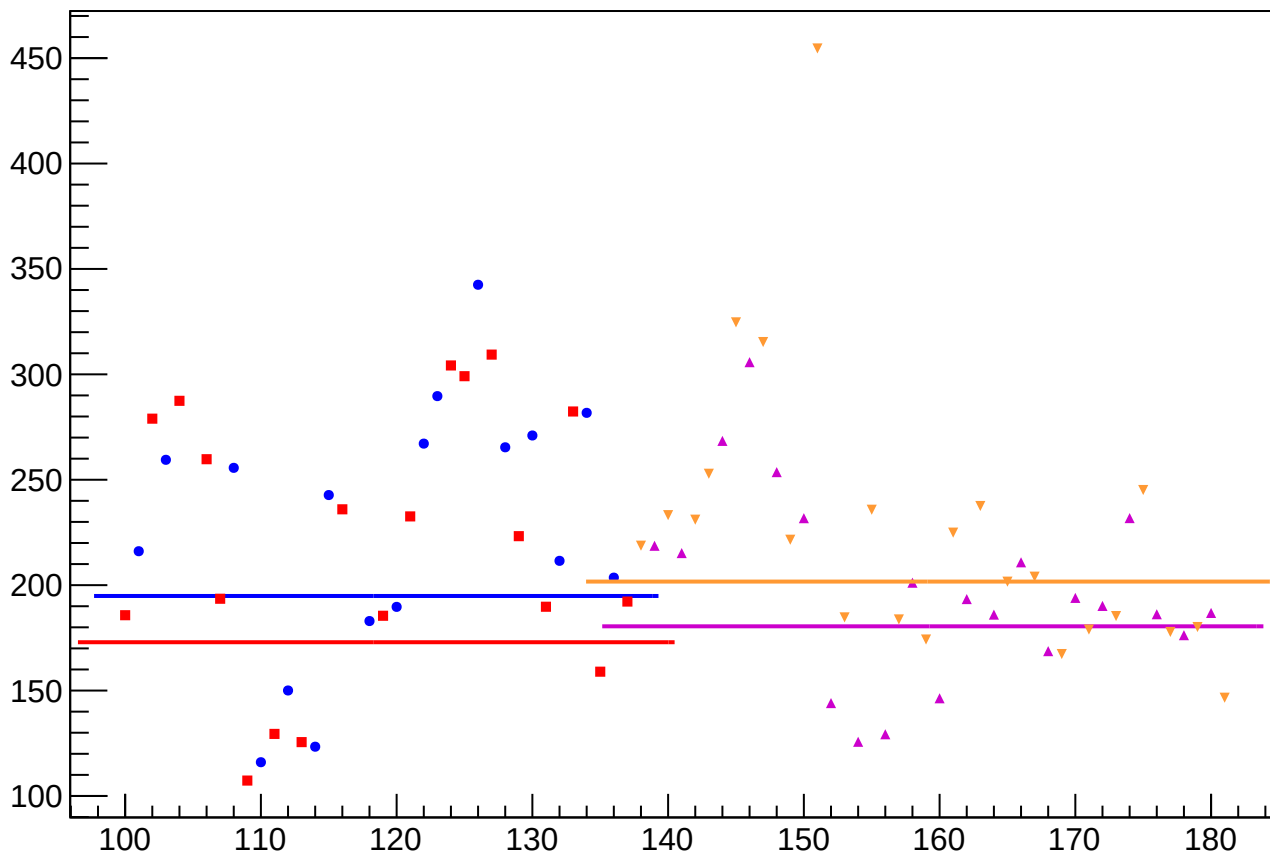
Left In: -32.216 ± 46.839 χ^2/NDF : 6.0/20

+ sign 13.185 ± 42.406 χ^2/NDF : 12.3/39

All: -7.664 ± 28.702 χ^2/NDF : 24.6/79

- sign -25.292 ± 38.992 χ^2/NDF : 11.9/39

asym_bcm_an_us_rms vs Slug



Right In: 194.868 $\pm$ 0.056 χ^2 /NDF: 987545.2/16

Left Out: 201.701 $\pm$ 0.035 χ^2 /NDF: 1590046.8/22

Right Out: 172.928 $\pm$ 0.050 χ^2 /NDF: 1539123.2/18

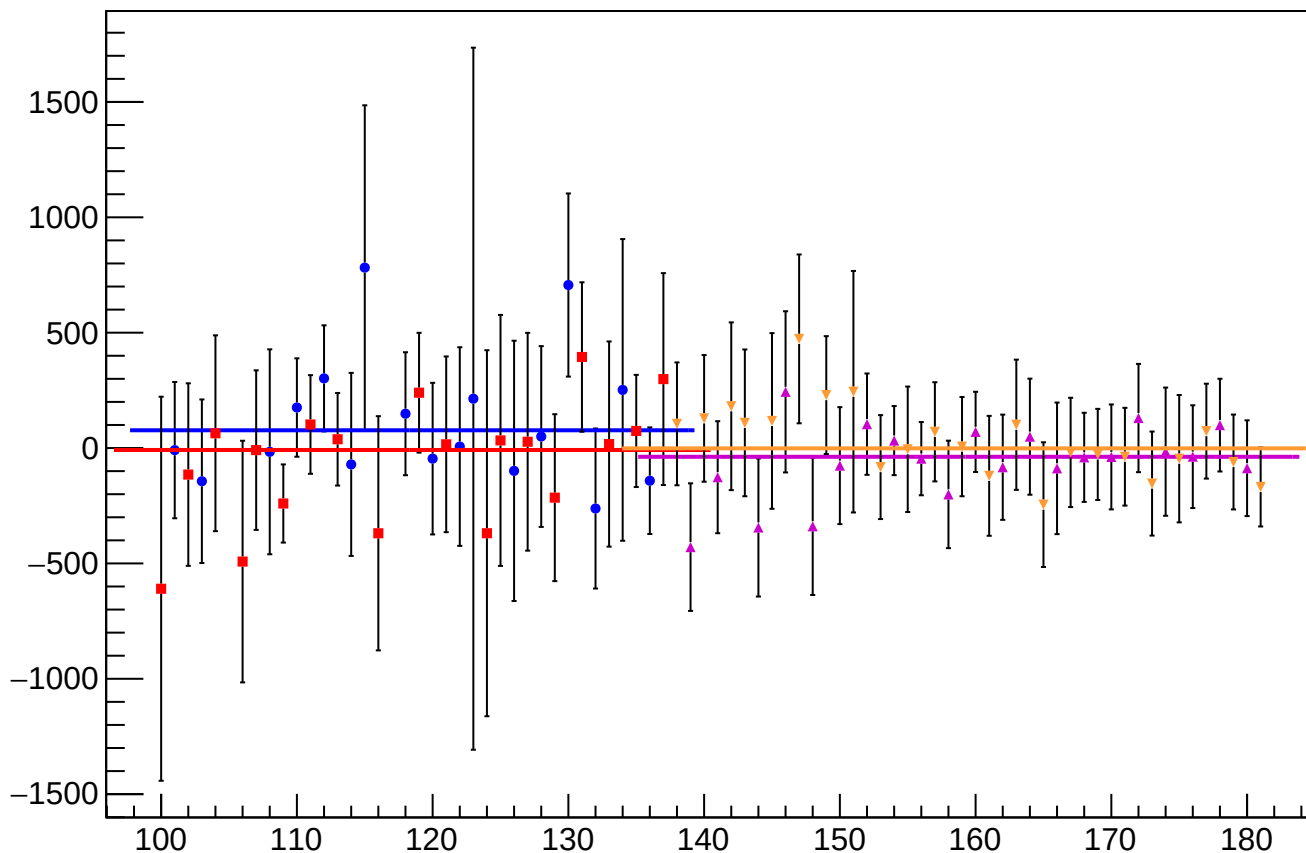
Left In: 180.475 $\pm$ 0.033 χ^2 /NDF: 1570076.6/20

+ sign 199.762 $\pm$ 0.030 χ^2 /NDF: 2588142.3/39

All: 188.056 $\pm$ 0.020 χ^2 /NDF: 5994574.4/79

- sign 178.158 $\pm$ 0.028 χ^2 /NDF: 3125144.3/39

asym_bcm_dg_us_mean vs Slug



Right In: 77.030 $\pm$ 82.098 χ^2 /NDF: 7.6/16

Left Out: -1.264 $\pm$ 51.589 χ^2 /NDF: 6.7/22

Right Out: -8.365 $\pm$ 73.326 χ^2 /NDF: 7.8/18

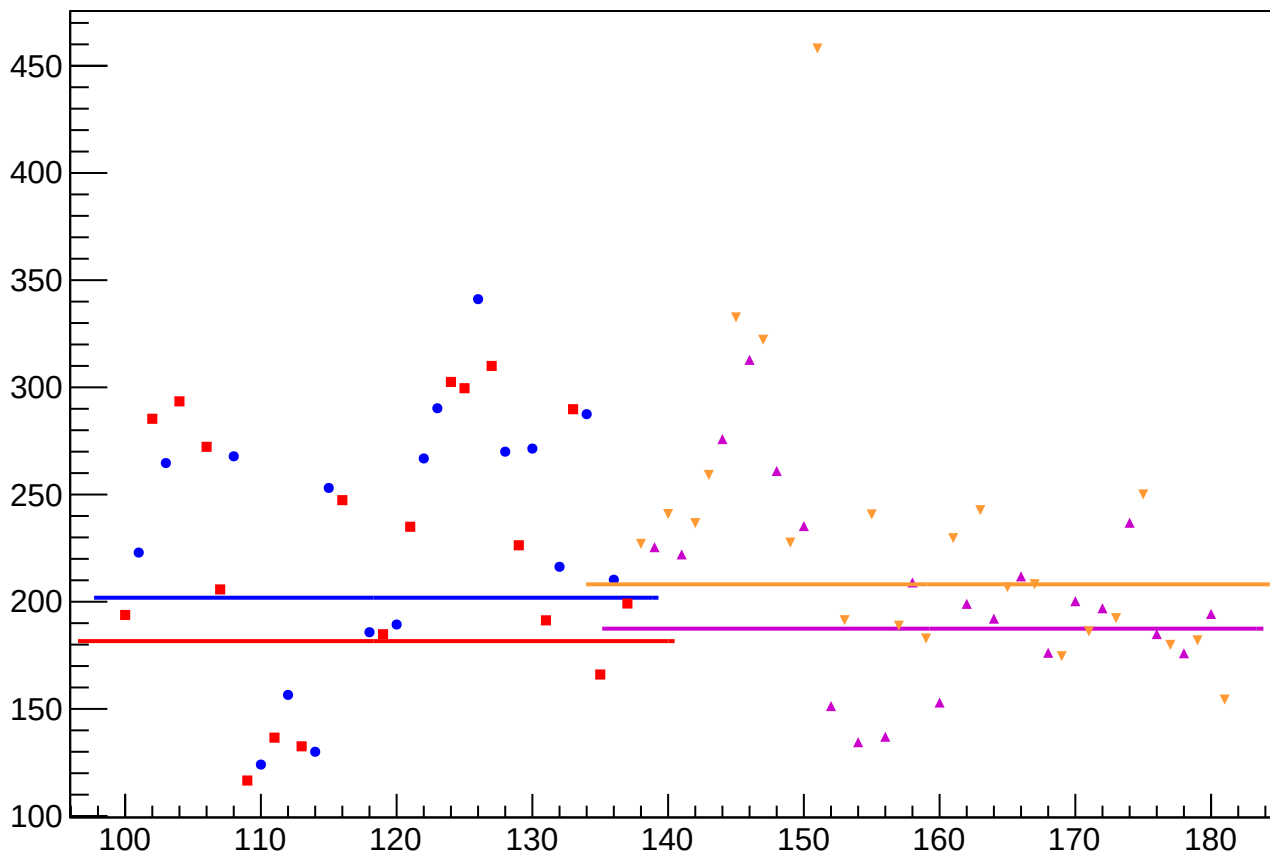
Left In: -37.881 $\pm$ 48.473 χ^2 /NDF: 7.6/20

+ sign 20.900 $\pm$ 43.681 χ^2 /NDF: 14.9/39

All: -5.921 $\pm$ 29.674 χ^2 /NDF: 31.1/79

- sign -28.905 $\pm$ 40.436 χ^2 /NDF: 15.5/39

asym_bcm_dg_us_rms vs Slug



Right In: 201.873 $\pm$ 0.058 χ^2 /NDF: 884412.3/16

Left Out: 208.117 $\pm$ 0.036 χ^2 /NDF:1508169.8/22

Right Out: 181.626 $\pm$ 0.052 χ^2 /NDF: 1373392.9/18

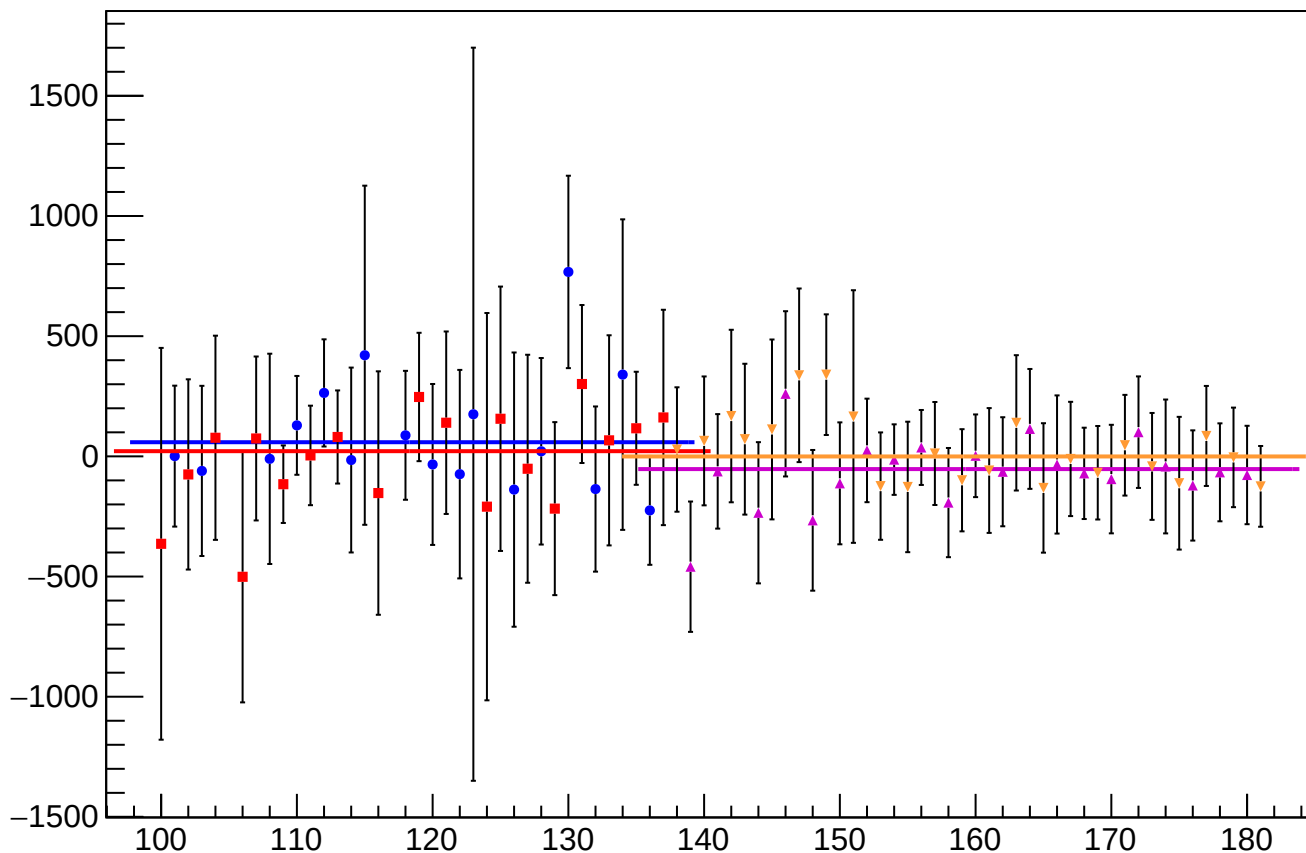
Left In: 187.441 $\pm$ 0.034 χ^2 /NDF:1415260.5/20

+ sign 206.350 $\pm$ 0.031 χ^2 /NDF: 2400877.6/39

All: 195.215 $\pm$ 0.021 χ^2 /NDF: 5439625.5/79

- sign 185.673 $\pm$ 0.029 χ^2 /NDF: 2797405.9/39

asym_bcm_dg_ds_mean vs Slug



Right In: 58.835 $\pm$ 81.036 χ^2 /NDF: 7.0/16

Left Out: -0.413 $\pm$ 51.168 χ^2 /NDF: 5.6/22

Right Out: 21.559 $\pm$ 71.880 χ^2 /NDF: 4.7/18

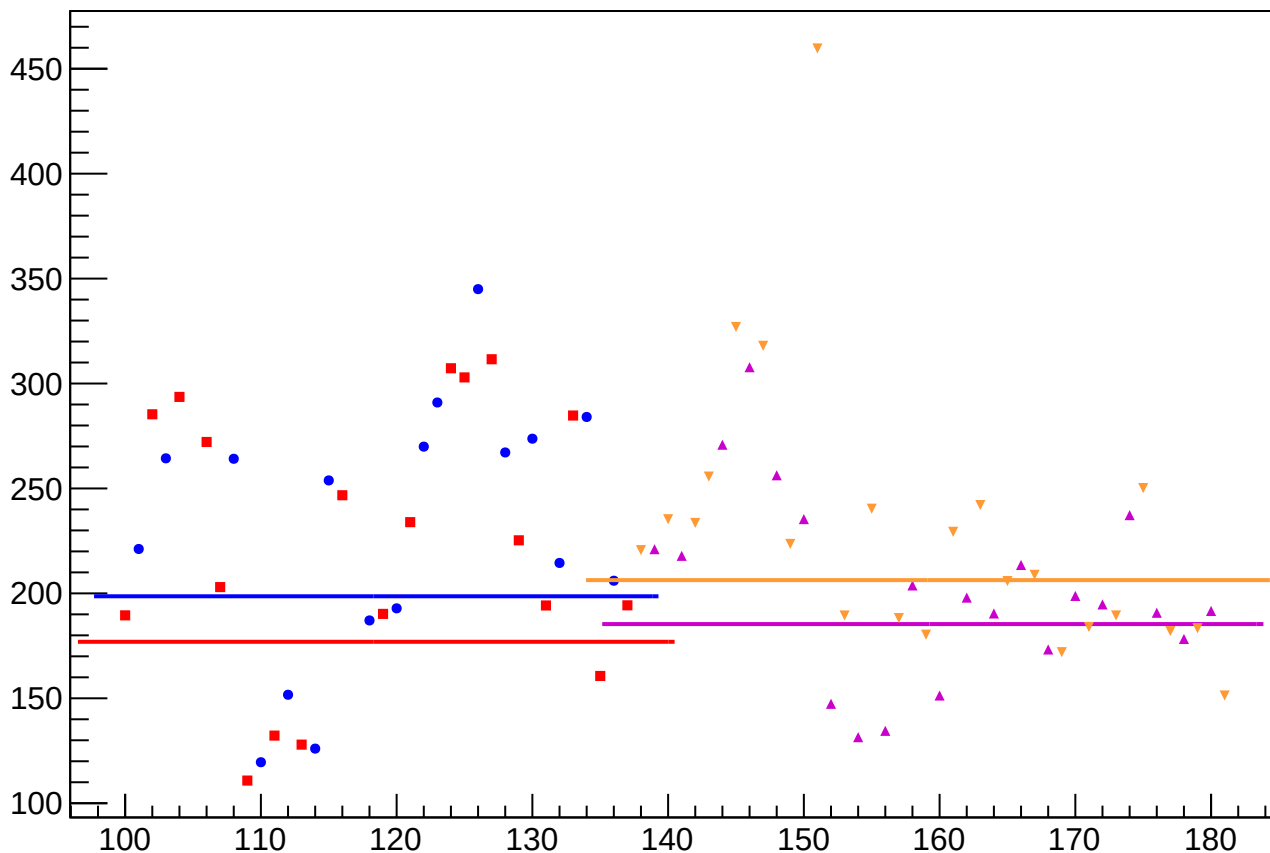
Left In: -52.949 $\pm$ 47.991 χ^2 /NDF: 6.1/20

+ sign 16.475 $\pm$ 43.265 χ^2 /NDF: 13.0/39

All: -8.619 $\pm$ 29.336 χ^2 /NDF: 25.1/79

- sign -29.976 $\pm$ 39.913 χ^2 /NDF: 11.5/39

asym_bcm_dg_ds_rms vs Slug



Right In: 198.615 $\pm$ 0.057 χ^2 /NDF: 965079.3/16

Left Out: 206.314 $\pm$ 0.036 χ^2 /NDF:1511977.1/22

Right Out: 176.933 $\pm$ 0.051 χ^2 /NDF: 1519414.5/18

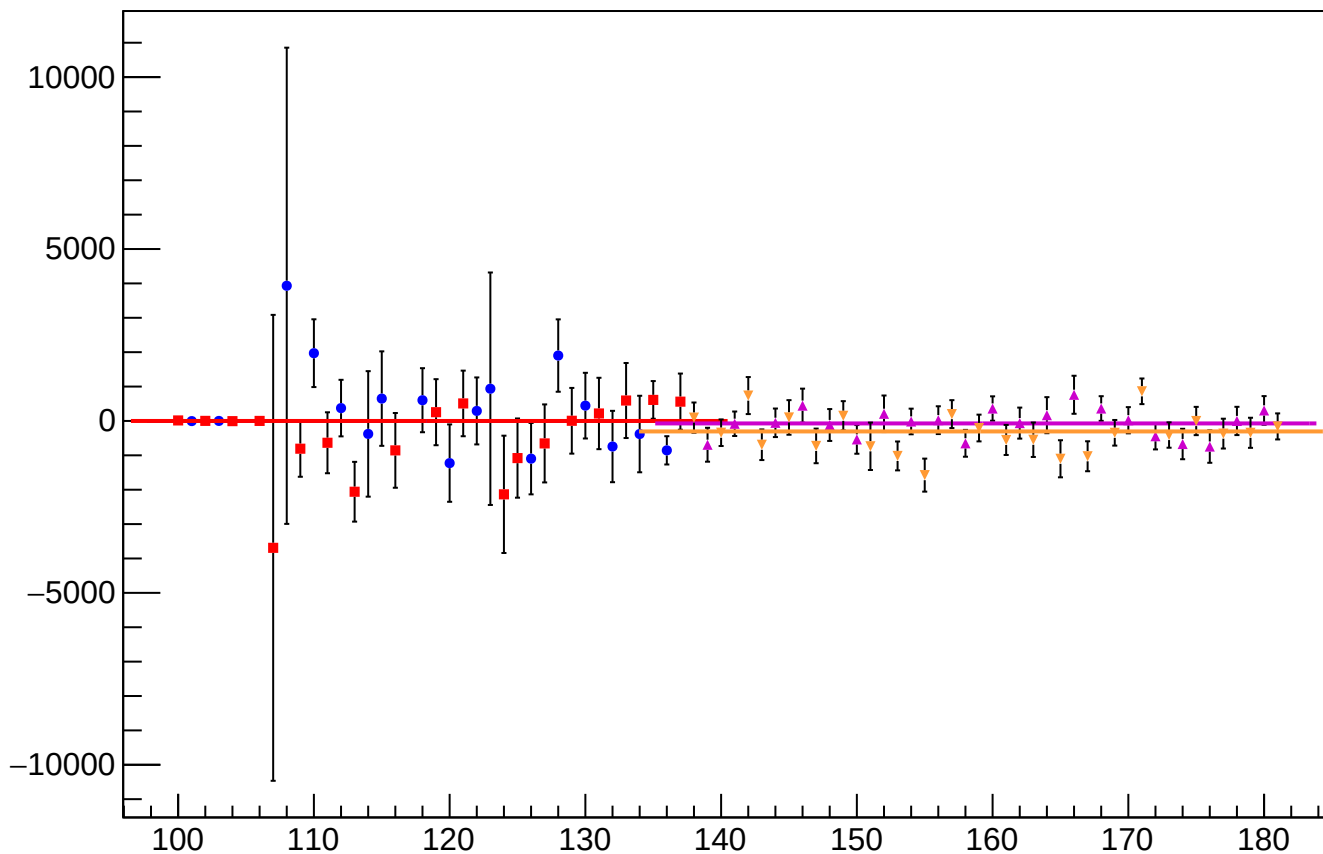
Left In: 185.375 $\pm$ 0.034 χ^2 /NDF:1445863.5/20

+ sign 204.119 $\pm$ 0.031 χ^2 /NDF: 2489962.4/39

All: 192.587 $\pm$ 0.021 χ^2 /NDF: 5737360.2/79

- sign 182.772 $\pm$ 0.028 χ^2 /NDF: 2984360.4/39

asym_cav4bQ_mean vs Slug



Right In: -1.530 ± 2.251 χ^2/NDF : 17.4/16

Left Out: -304.958 ± 90.672 χ^2/NDF : 35.8/22

Right Out: -0.726 ± 2.111 χ^2/NDF : 19.1/18

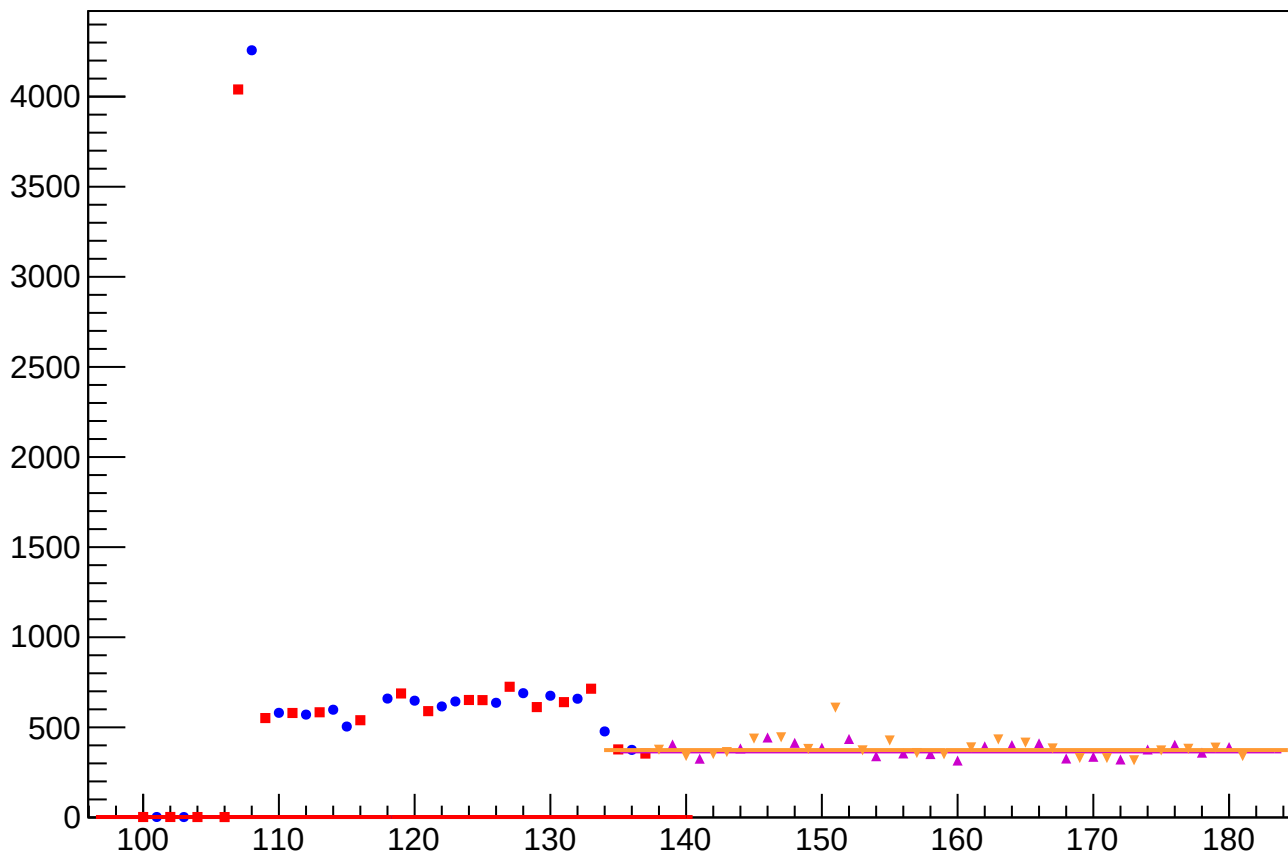
Left In: -72.175 ± 91.974 χ^2/NDF : 17.6/20

+ sign -1.716 ± 2.251 χ^2/NDF : 64.4/39

All: -1.209 ± 1.540 χ^2/NDF : 101.9/79

- sign -0.763 ± 2.111 χ^2/NDF : 37.4/39

asym_cav4bQ_rms vs Slug



Right In: 2.456+/-0.002 χ^2/NDF : 10808630.7/16

Left Out: 373.834+/-0.064 χ^2/NDF : 523622.6/22

Right Out: 2.437+/-0.001 χ^2/NDF : 11101281.1/18

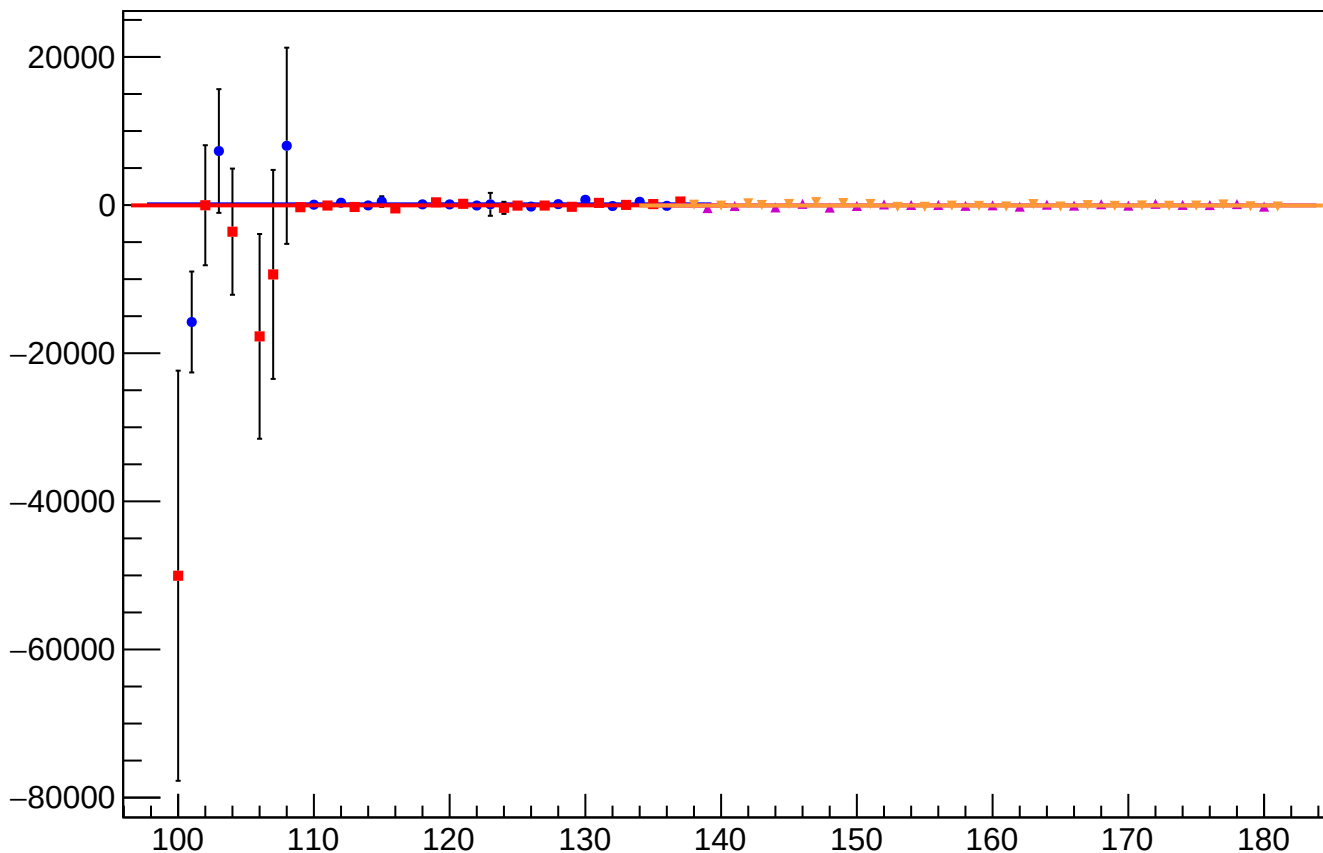
Left In: 366.524+/-0.065 χ^2/NDF : 318625.7/20

+ sign 2.685+/-0.002 χ^2/NDF : 44863391.9/39

All: 2.655+/-0.001 χ^2/NDF : 87608100.9/79

- sign 2.628+/-0.001 χ^2/NDF : 42744027.4/39

asym_cav4cQ_mean vs Slug



Right In: 100.742 $\pm$ 91.159 χ^2 /NDF: 12.0/16

Left Out: -55.262 $\pm$ 51.902 χ^2 /NDF: 7.8/22

Right Out: -37.835 $\pm$ 84.525 χ^2 /NDF: 14.0/18

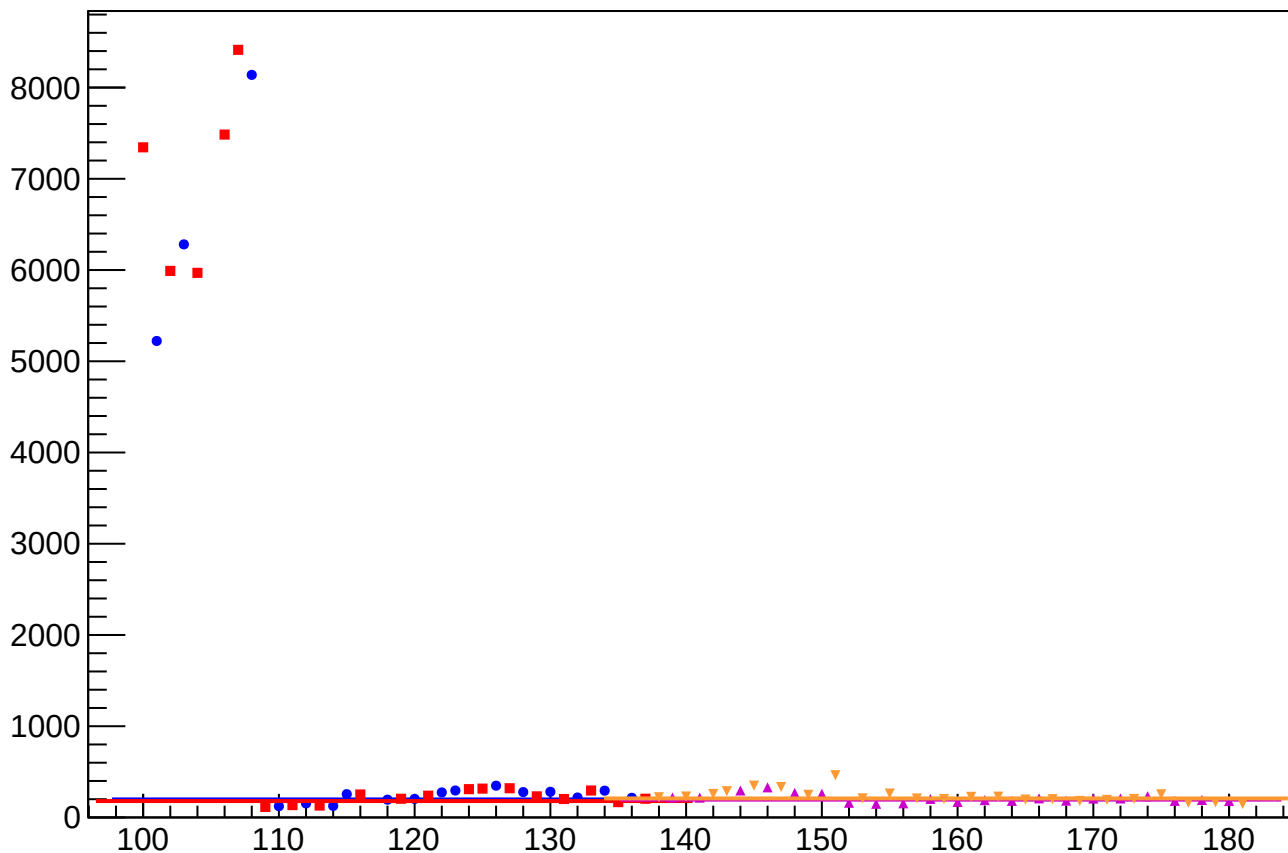
Left In: -41.464 $\pm$ 50.219 χ^2 /NDF: 8.3/20

+ sign -17.070 $\pm$ 45.104 χ^2 /NDF: 22.0/39

All: -29.306 $\pm$ 31.189 χ^2 /NDF: 44.4/79

- sign -40.517 $\pm$ 43.174 χ^2 /NDF: 22.3/39

asym_cav4cQ_rms vs Slug



Right In: 197.308+/-0.064 χ^2/NDF : 3696256.2/16

Left Out: 208.561+/-0.037 χ^2/NDF : 1812043.9/22

Right Out: 179.749+/-0.060 χ^2/NDF : 4315581.1/18

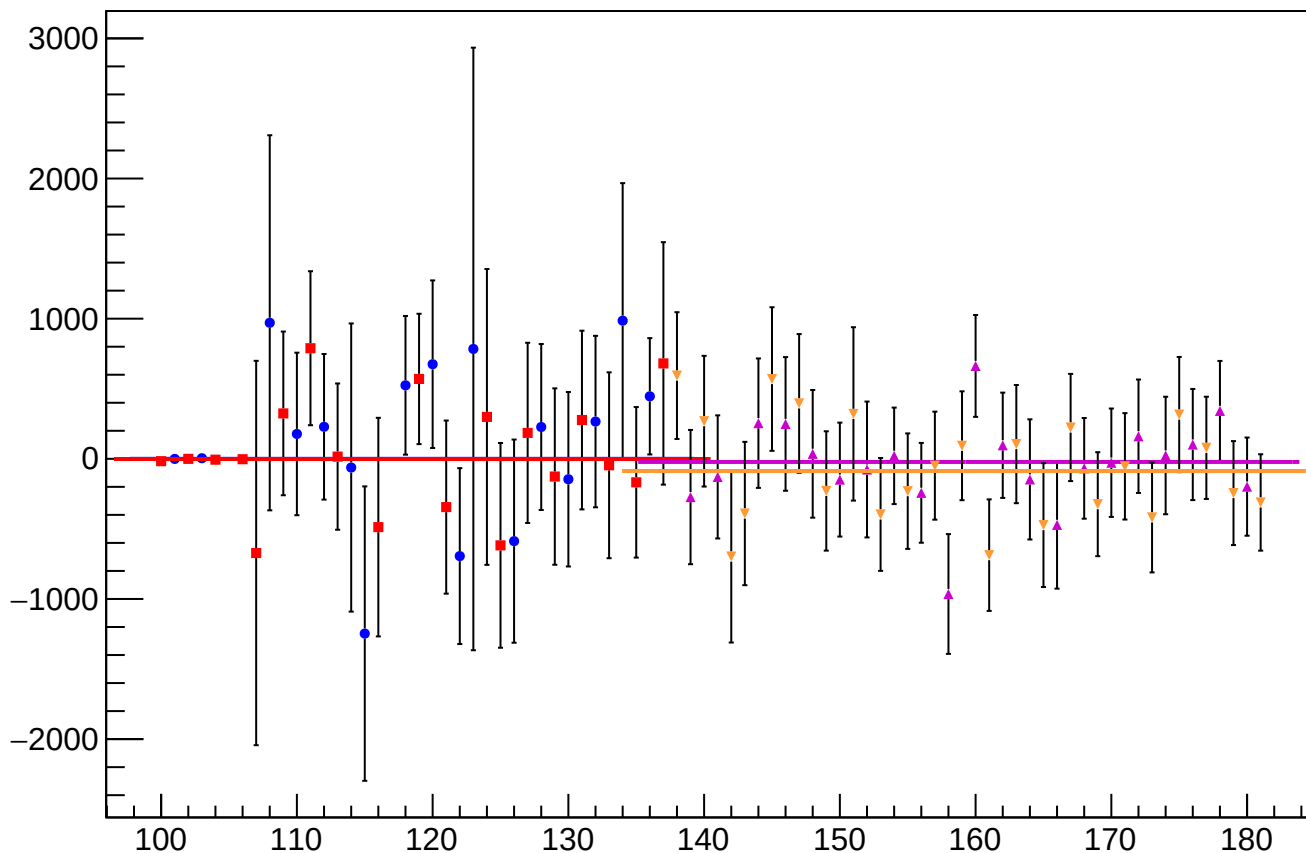
Left In: 195.244+/-0.036 χ^2/NDF : 1137549.5/20

+ sign 205.806+/-0.032 χ^2/NDF : 5531315.8/39

All: 198.184+/-0.022 χ^2/NDF : 11143548.6/79

- sign 191.201+/-0.031 χ^2/NDF : 5502809.5/39

asym_cav4dQ_mean vs Slug



Right In: -0.140 ± 1.737 χ^2/NDF : 10.0/16

Left Out: -86.911 ± 87.312 χ^2/NDF : 15.1/22

Right Out: -1.323 ± 1.623 χ^2/NDF : 9.4/18

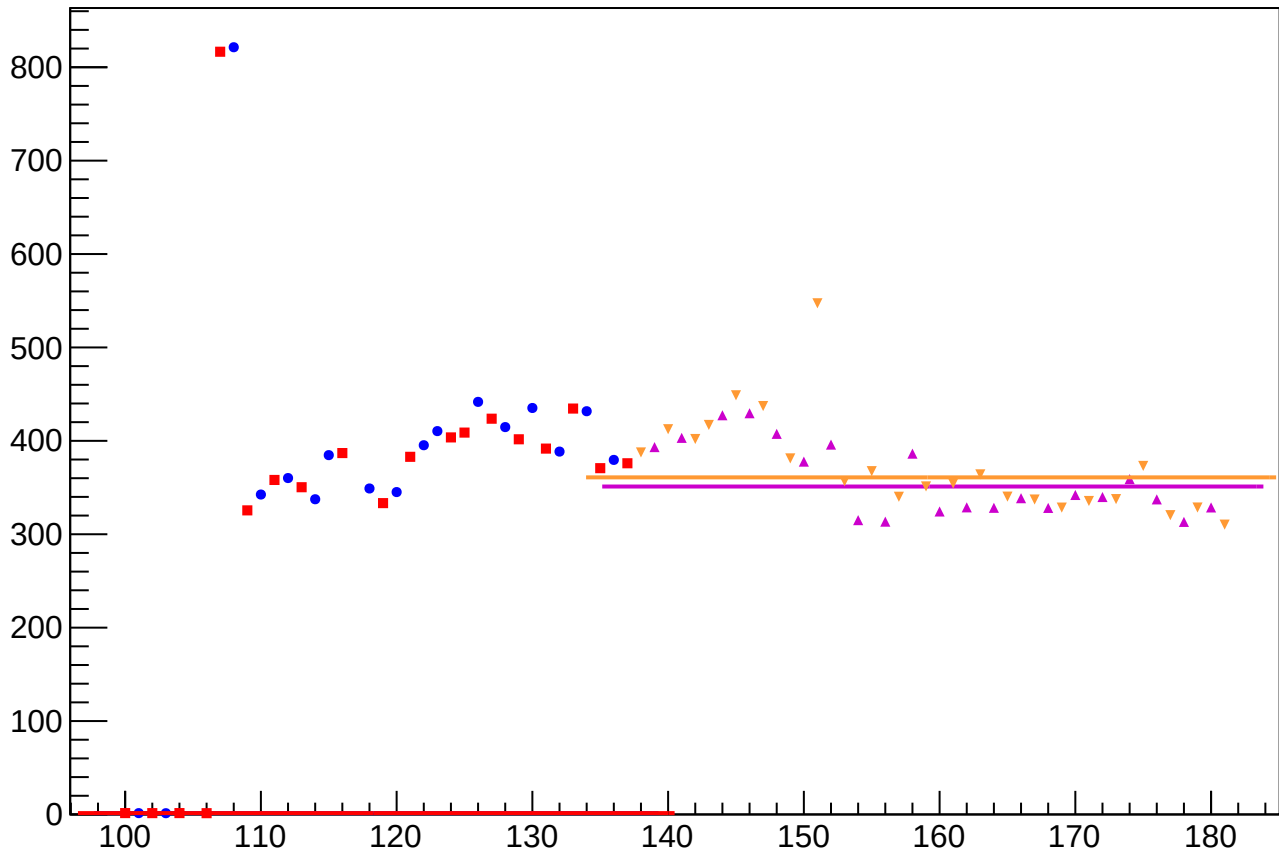
Left In: -22.277 ± 88.010 χ^2/NDF : 12.7/20

+ sign -0.174 ± 1.736 χ^2/NDF : 26.1/39

All: -0.791 ± 1.185 χ^2/NDF : 48.5/79

- sign -1.330 ± 1.622 χ^2/NDF : 22.2/39

asym_cav4dQ_rms vs Slug



Right In: 1.453+/-0.001 χ^2/NDF : 10914608.7/16

Left Out: 360.900+/-0.062 χ^2/NDF :493588.4/22

Right Out: 1.451+/-0.001 χ^2/NDF : 10838834.3/18

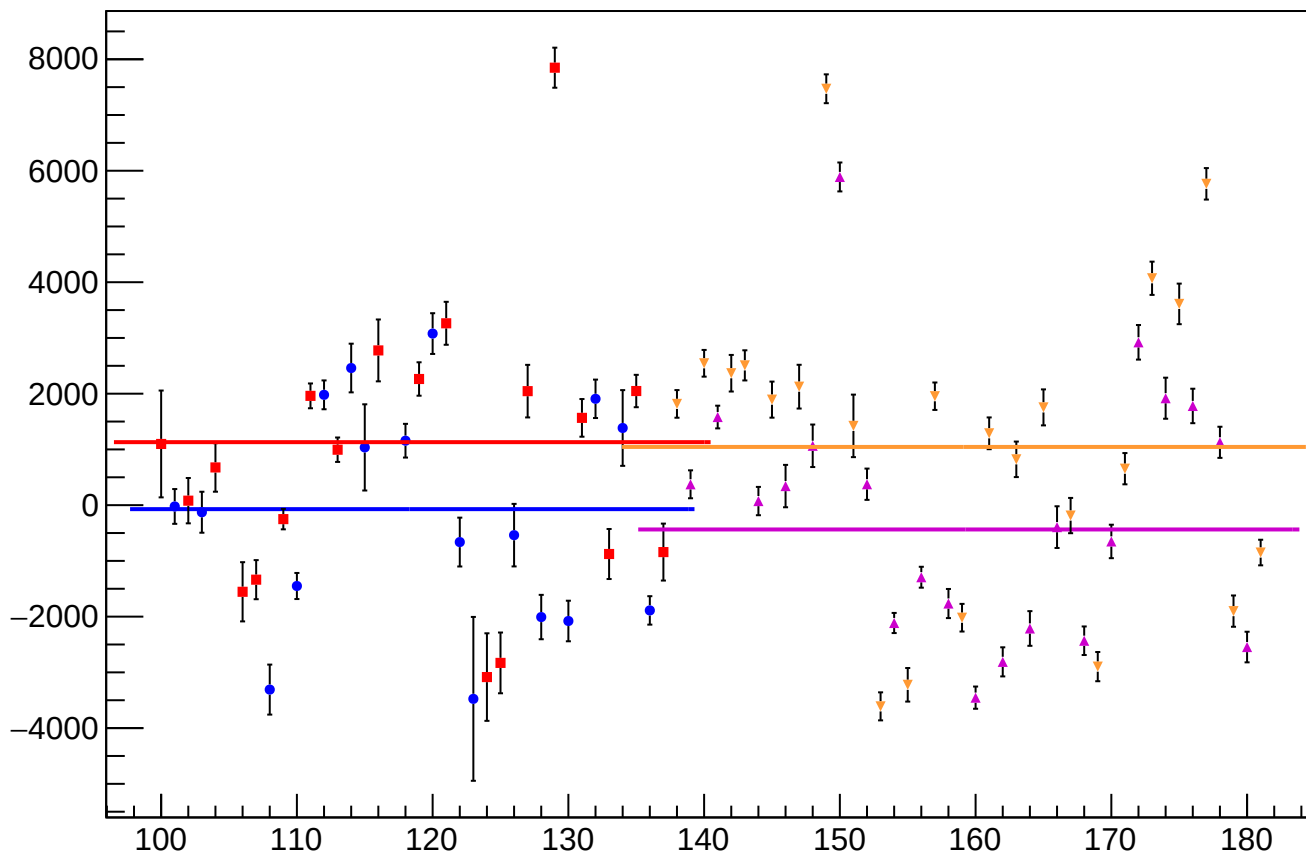
Left In: 351.103+/-0.062 χ^2/NDF :336240.5/20

+ sign 1.595+/-0.001 χ^2/NDF : 45291217.6/39

All: 1.581+/-0.001 χ^2/NDF : 88023188.2/79

- sign 1.570+/-0.001 χ^2/NDF : 42731748.7/39

asym_bcm0l02_mean vs Slug



Right In: -71.539 ± 87.764 $\chi^2/\text{NDF}: 426.3/16$

Left Out: 1044.603 ± 59.511 $\chi^2/\text{NDF}: 2295.1/22$

Right Out: 1130.395 ± 78.436 $\chi^2/\text{NDF}: 688.9/18$

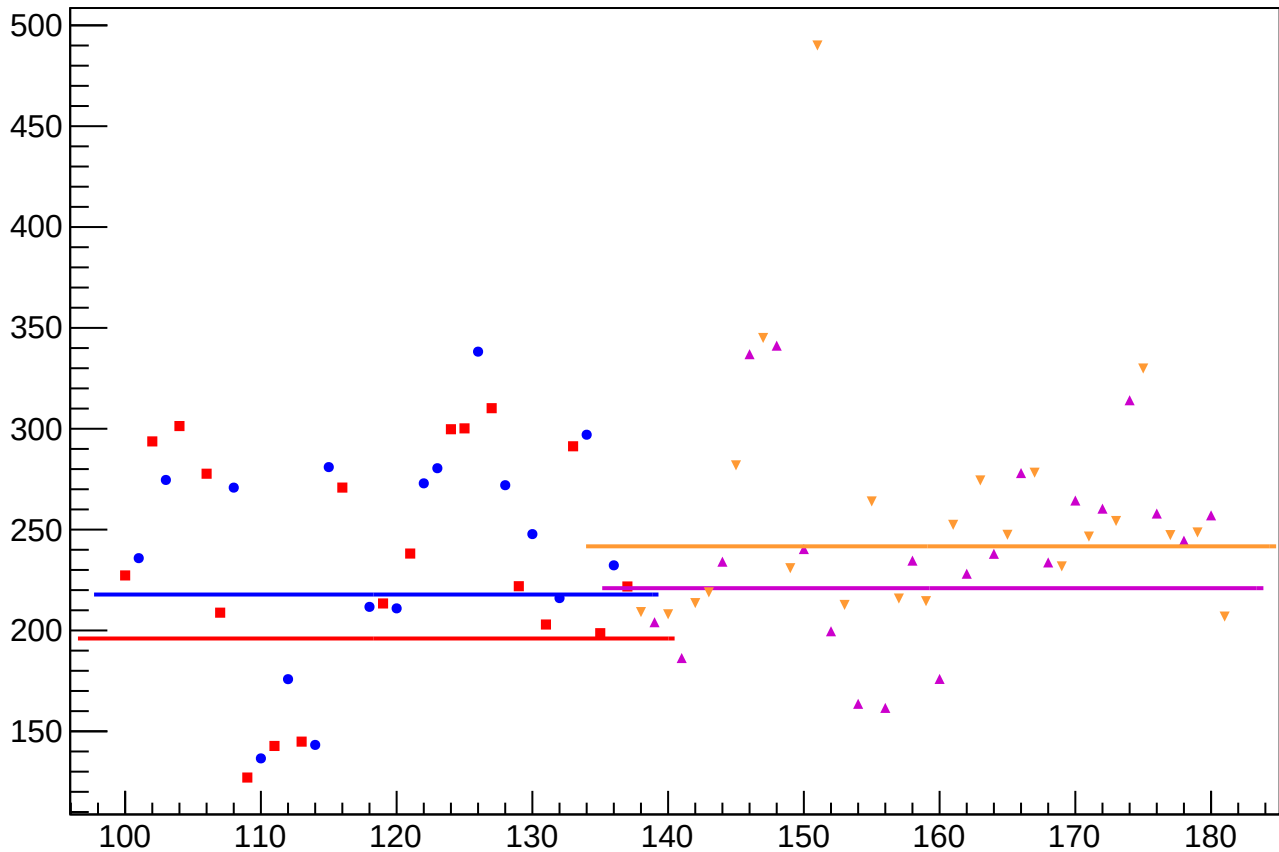
Left In: -436.195 ± 56.930 $\chi^2/\text{NDF}: 1573.3/20$

+ sign 693.048 ± 49.255 $\chi^2/\text{NDF}: 2832.3/39$

All: 379.064 ± 33.648 $\chi^2/\text{NDF}: 5431.8/79$

- sign 104.338 ± 46.073 $\chi^2/\text{NDF}: 2523.4/39$

asym_bcm0l02_rms vs Slug



Right In: 217.814 $\pm$ 0.062 χ^2 /NDF: 661049.8/16

Left Out: 241.706 $\pm$ 0.042 χ^2 /NDF: 974859.2/22

Right Out: 196.014 $\pm$ 0.055 χ^2 /NDF: 1189121.8/18

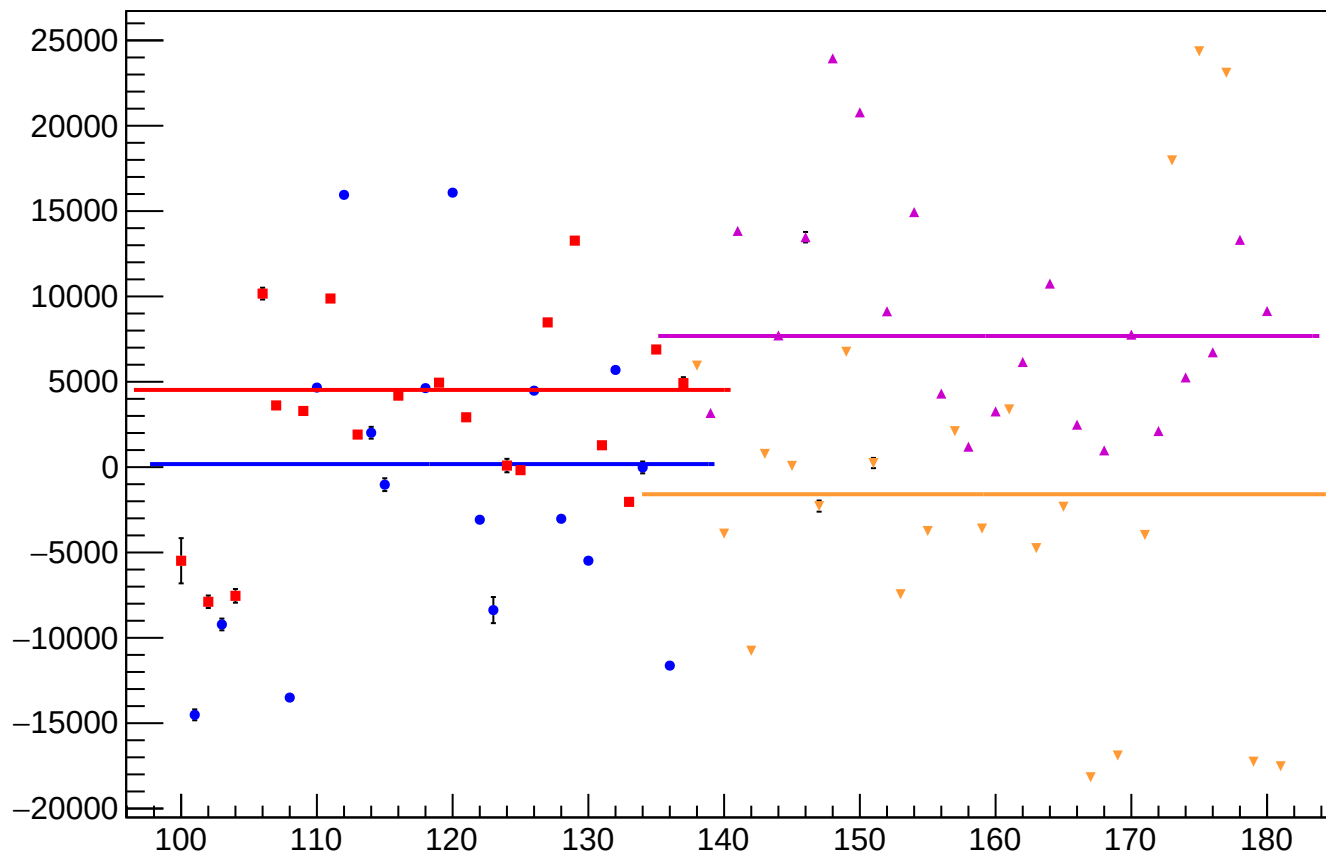
Left In: 220.961 $\pm$ 0.040 χ^2 /NDF: 1327617.7/20

+ sign 234.180 $\pm$ 0.035 χ^2 /NDF: 1737440.5/39

All: 222.539 $\pm$ 0.024 χ^2 /NDF: 4596169.7/79

- sign 212.353 $\pm$ 0.033 χ^2 /NDF: 2649250.0/39

asym_bpm0i02WS_mean vs Slug



Right In: 178.788 $\pm$ 54.896 χ^2 /NDF: 30662.2/16

Left Out: -1587.880 $\pm$ 43.094 χ^2 /NDF:60612.3/22

Right Out: 4523.222 $\pm$ 52.440 χ^2 /NDF: 7474.2/18

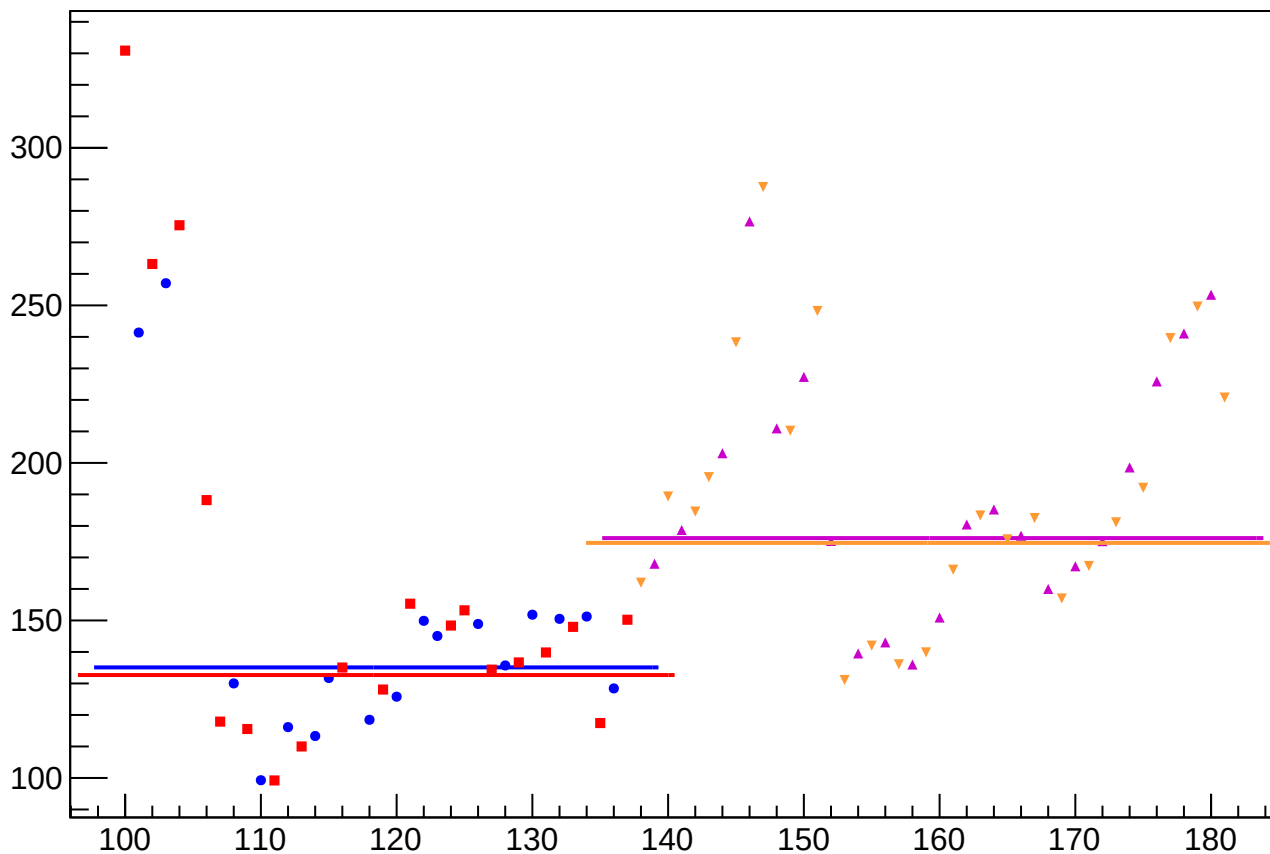
Left In: 7683.382 $\pm$ 45.082 χ^2 /NDF:17766.3/20

+ sign -914.285 $\pm$ 33.897 χ^2 /NDF: 91915.3/39

All: 2682.330 $\pm$ 24.070 χ^2 /NDF: 141952.1/79

- sign 6340.384 $\pm$ 34.186 χ^2 /NDF: 27328.7/39

asym_bpm0i02WS_rms vs Slug



Right In: 135.099 $\pm$ 0.039 χ^2 /NDF: 657657.4/16

Left Out: 174.610 $\pm$ 0.030 χ^2 /NDF: 1405215.3/22

Right Out: 132.672 $\pm$ 0.037 χ^2 /NDF: 828363.1/18

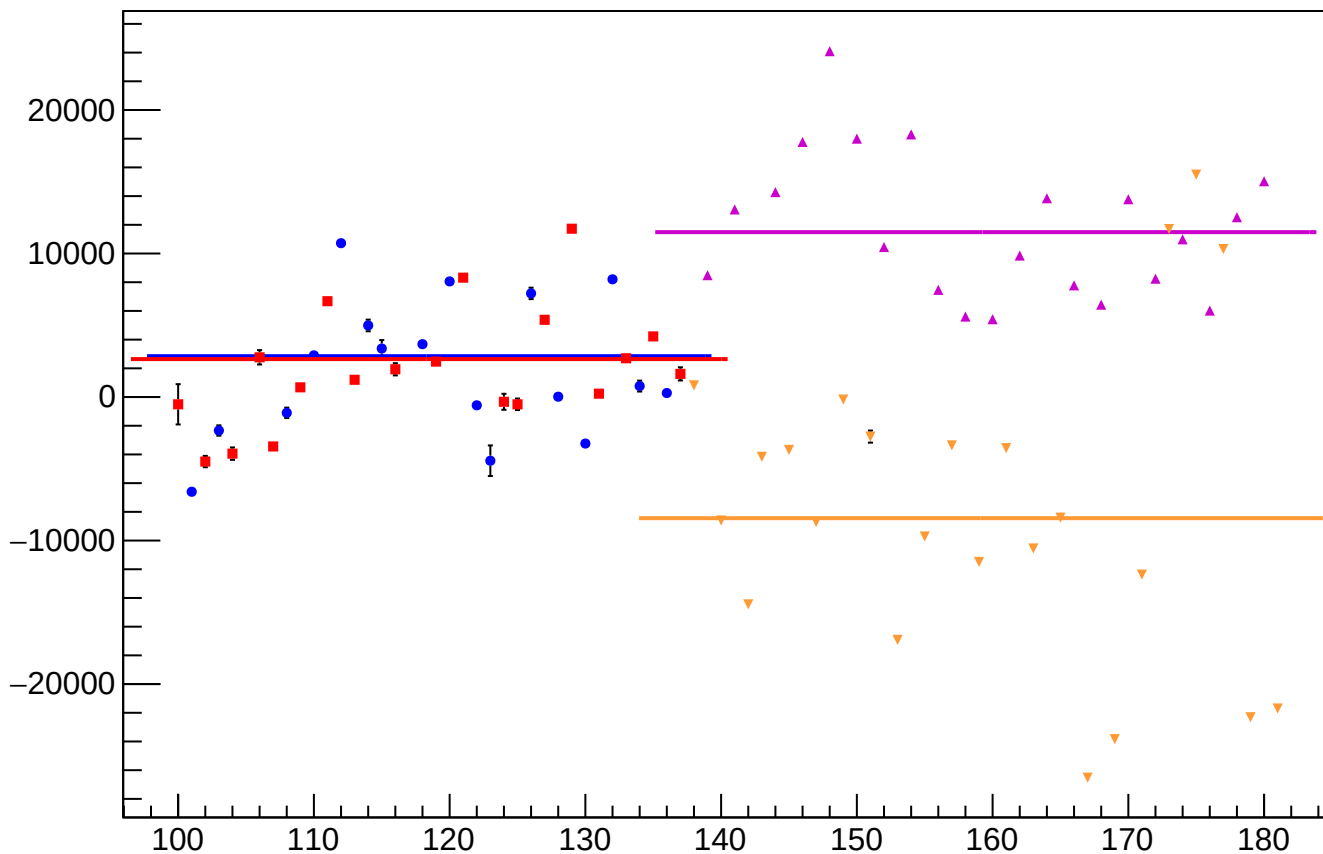
Left In: 176.141 $\pm$ 0.032 χ^2 /NDF: 1145624.0/20

+ sign 159.545 $\pm$ 0.024 χ^2 /NDF: 2703913.8/39

All: 158.614 $\pm$ 0.017 χ^2 /NDF: 5471164.9/79

- sign 157.668 $\pm$ 0.024 χ^2 /NDF: 2764208.9/39

asym_bpm0i02aWS_mean vs Slug



Right In: 2846.117+/-70.894 χ^2/NDF : 4160.1/16

Left Out: -8440.454+/-46.910 χ^2/NDF : 53871.1/22

Right Out: 2643.505+/-65.711 χ^2/NDF : 3177.7/18

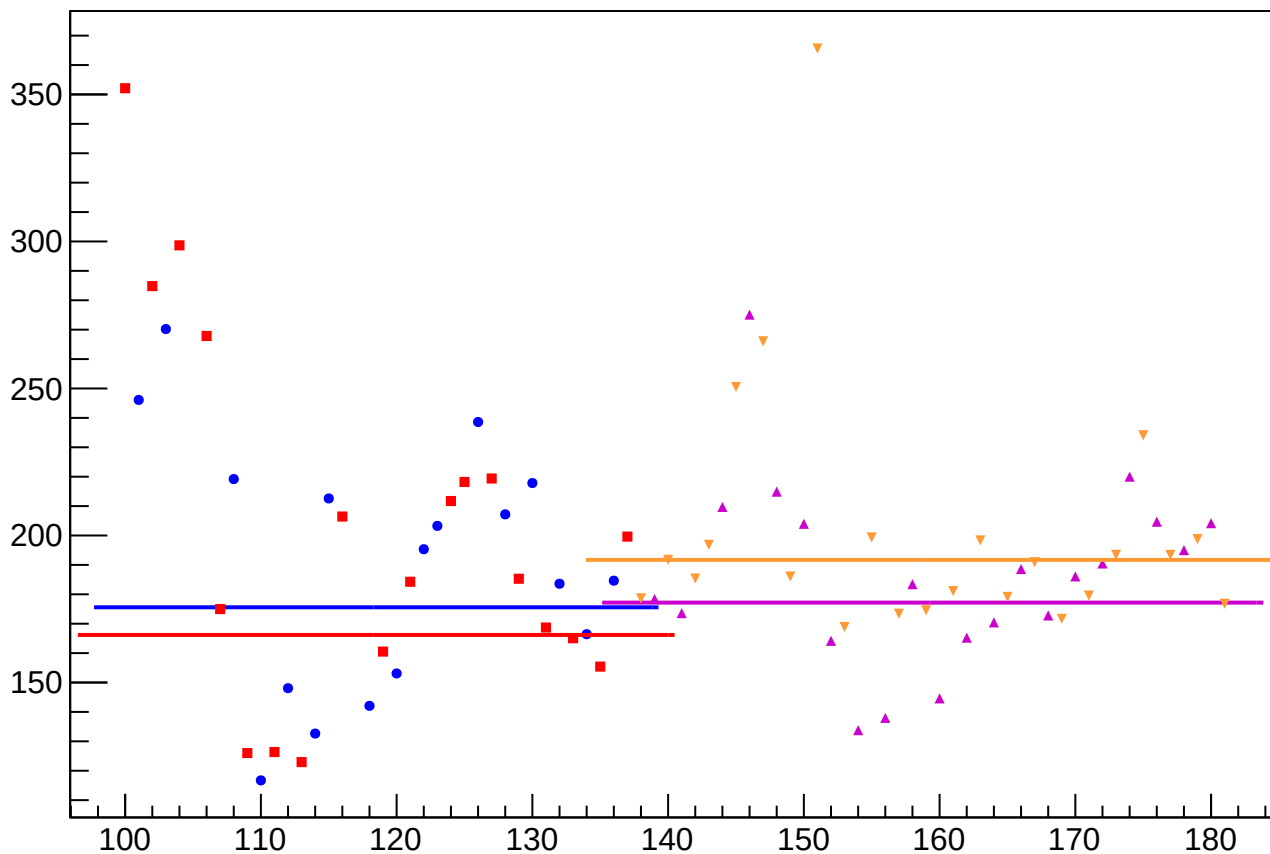
Left In: 11489.213+/-45.217 χ^2/NDF : 11603.3/20

+ sign -5003.566+/-39.121 χ^2/NDF : 75658.9/39

All: 2155.811+/-26.977 χ^2/NDF : 166592.5/79

- sign 8646.668+/-37.250 χ^2/NDF : 27079.0/39

asym_bpm0i02aWS_rms vs Slug



Right In: 175.582 $\pm$ 0.050 χ^2 /NDF: 687852.4/16

Left Out: 191.702 $\pm$ 0.033 χ^2 /NDF: 724979.8/22

Right Out: 166.180 $\pm$ 0.046 χ^2 /NDF: 925559.0/18

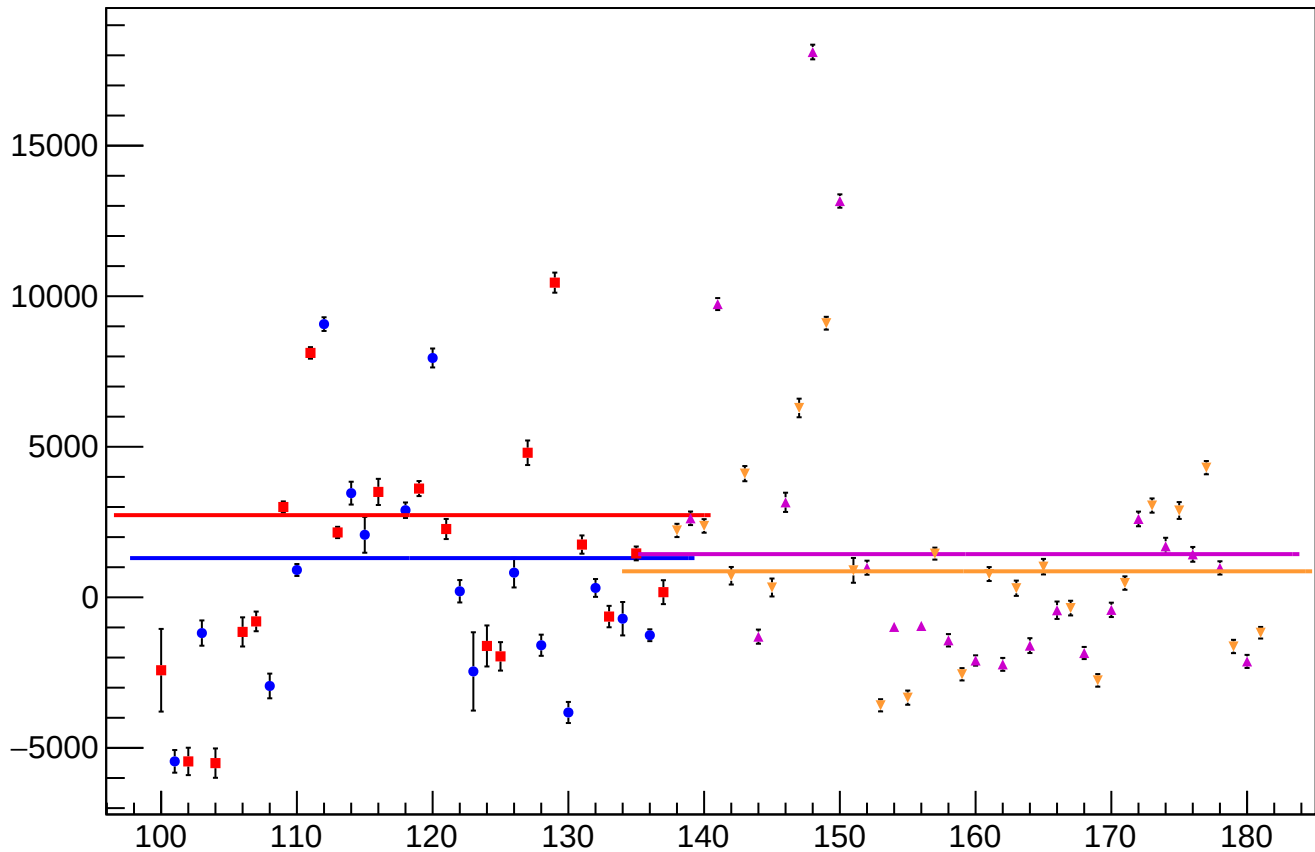
Left In: 177.174 $\pm$ 0.032 χ^2 /NDF: 855090.3/20

+ sign 186.793 $\pm$ 0.028 χ^2 /NDF: 1484750.3/39

All: 179.895 $\pm$ 0.019 χ^2 /NDF: 3421952.9/79

- sign 173.641 $\pm$ 0.026 χ^2 /NDF: 1818640.4/39

asym_bpm0i05WS_mean vs Slug



Right In: 1302.950 ± 77.323 $\chi^2/\text{NDF}: 2649.9/16$

Left Out: 864.423 ± 49.044 $\chi^2/\text{NDF}: 4090.0/22$

Right Out: 2729.355 ± 70.012 $\chi^2/\text{NDF}: 2497.2/18$

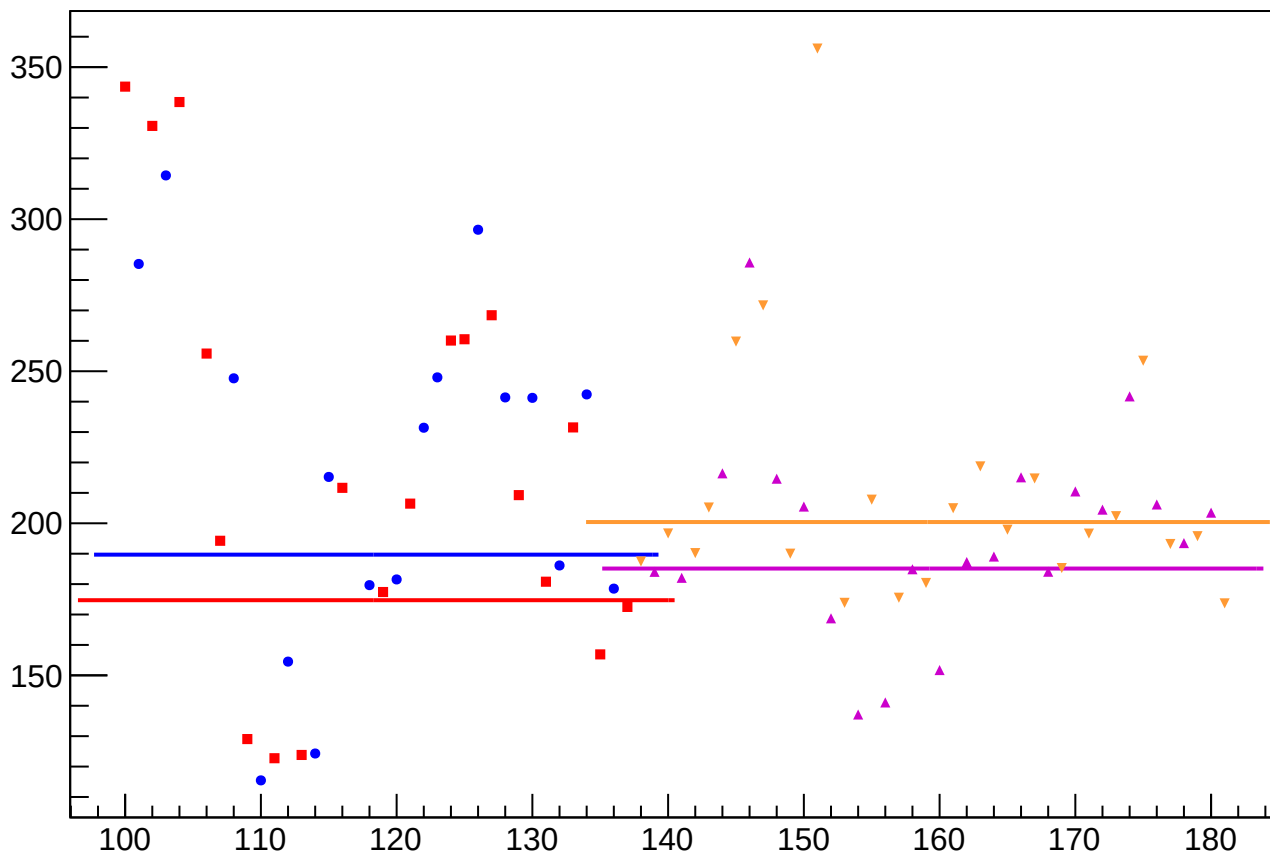
Left In: 1434.946 ± 47.299 $\chi^2/\text{NDF}: 11595.1/20$

+ sign 990.230 ± 41.416 $\chi^2/\text{NDF}: 6762.8/39$

All: 1438.840 ± 28.467 $\chi^2/\text{NDF}: 21312.2/79$

- sign 1840.589 ± 39.193 $\chi^2/\text{NDF}: 14327.0/39$

asym_bpm0i05WS_rms vs Slug



Right In: 189.687 $\pm$ 0.055 χ^2 /NDF: 977199.2/16

Left Out: 200.411 $\pm$ 0.035 χ^2 /NDF: 715827.8/22

Right Out: 174.707 $\pm$ 0.050 χ^2 /NDF: 1291115.5/18

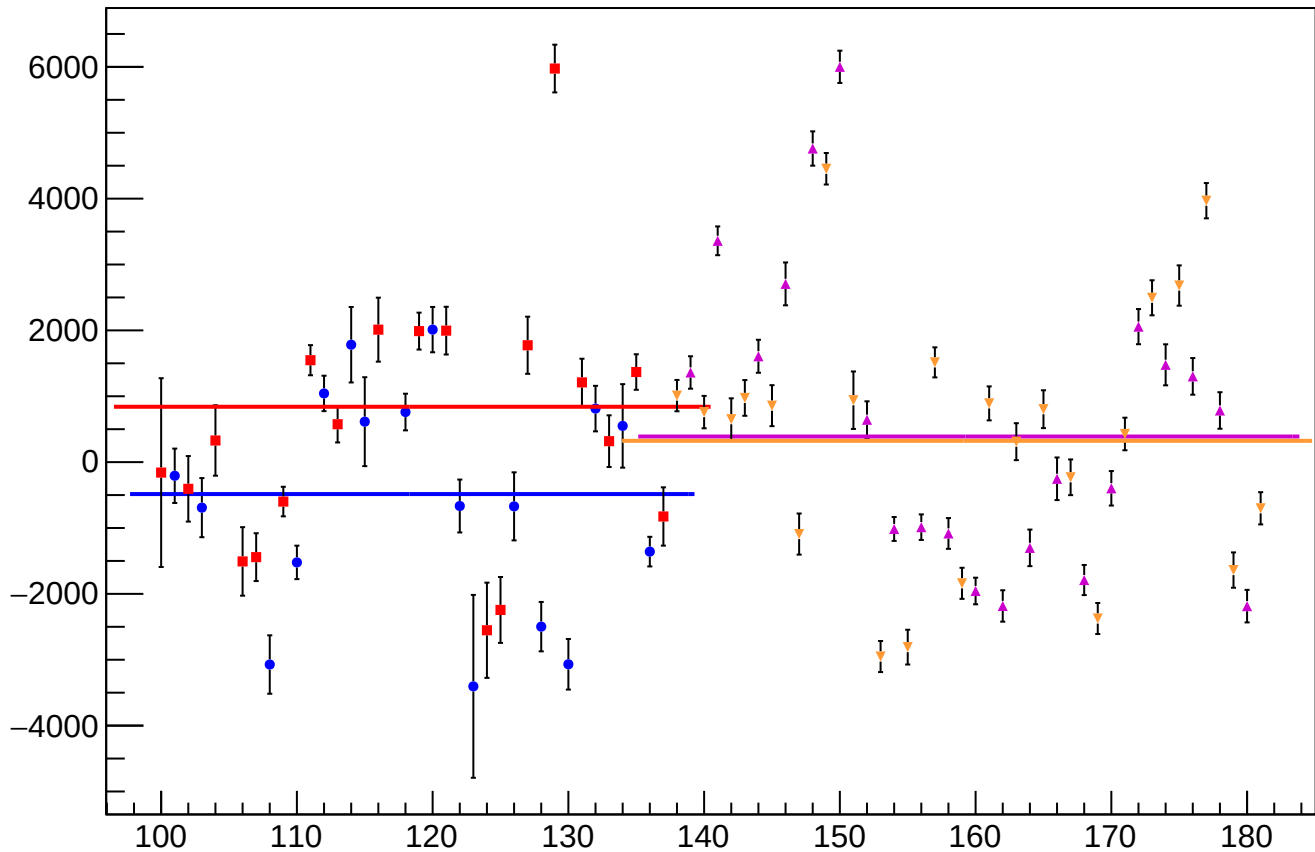
Left In: 185.117 $\pm$ 0.033 χ^2 /NDF: 882704.7/20

+ sign 197.334 $\pm$ 0.029 χ^2 /NDF: 1720461.7/39

All: 189.168 $\pm$ 0.020 χ^2 /NDF: 4072048.7/79

- sign 181.854 $\pm$ 0.028 χ^2 /NDF: 2204179.8/39

asym_bpm0i07WS_mean vs Slug



Right In: -485.036 ± 88.788 χ^2/NDF : 285.3/16

Left Out: 323.339 ± 55.229 χ^2/NDF : 1312.2/22

Right Out: 840.594 ± 82.233 χ^2/NDF : 438.2/18

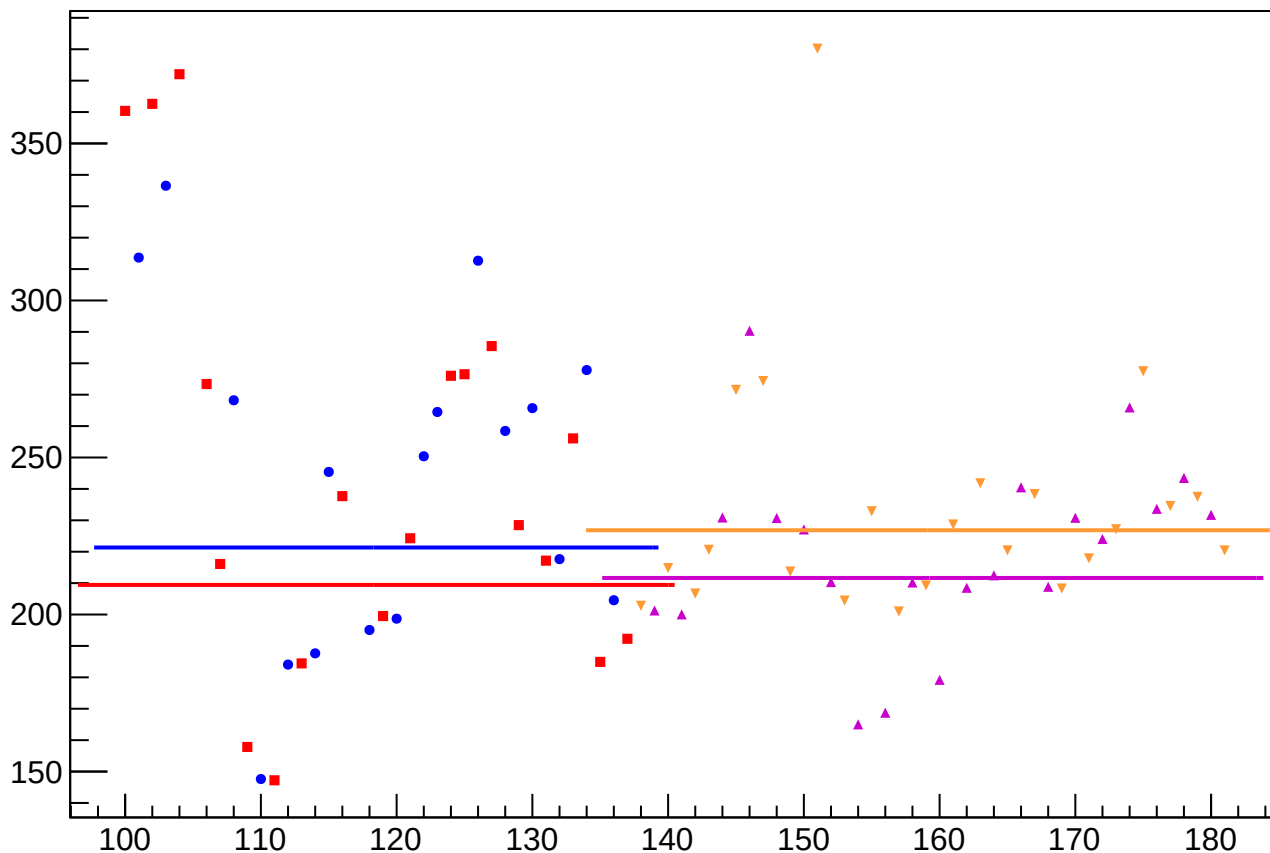
Left In: 388.764 ± 53.656 χ^2/NDF : 1797.0/20

+ sign 97.822 ± 46.896 χ^2/NDF : 1657.2/39

All: 319.839 ± 32.446 χ^2/NDF : 3956.6/79

- sign 523.687 ± 44.937 χ^2/NDF : 2256.4/39

asym_bpm0i07WS_rms vs Slug



Right In: 221.339 $\pm$ 0.063 χ^2 /NDF: 645507.4/16

Left Out: 226.836 $\pm$ 0.039 χ^2 /NDF: 517293.9/22

Right Out: 209.428 $\pm$ 0.058 χ^2 /NDF: 879292.0/18

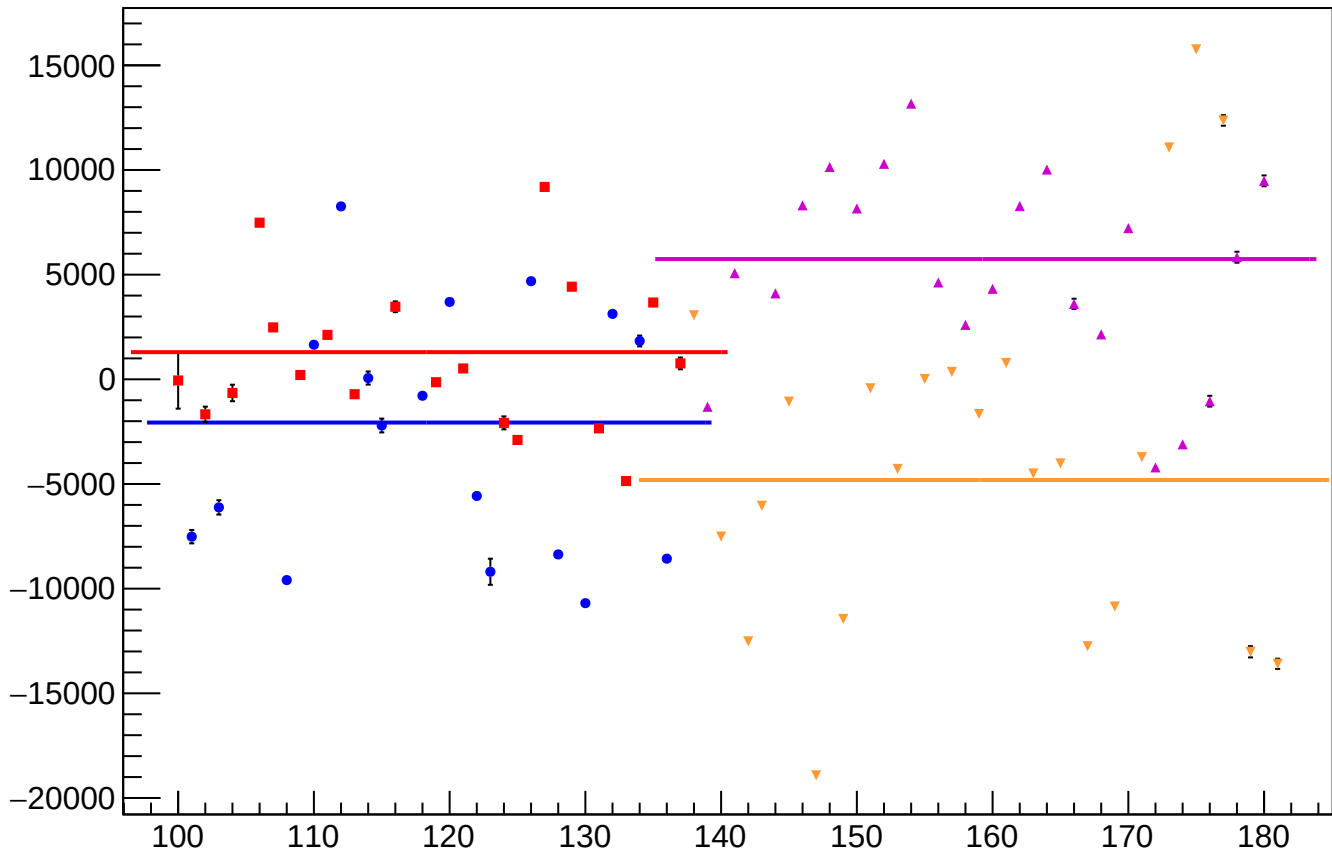
Left In: 211.642 $\pm$ 0.038 χ^2 /NDF: 582988.2/20

+ sign 225.302 $\pm$ 0.033 χ^2 /NDF: 1168328.1/39

All: 217.836 $\pm$ 0.023 χ^2 /NDF: 2728865.2/79

- sign 210.981 $\pm$ 0.032 χ^2 /NDF: 1463296.9/39

asym_bpm1i02WS_mean vs Slug



Right In: -2065.524 ± 47.407 $\chi^2/\text{NDF}: 16535.7/16$

Left Out: -4809.676 ± 34.168 $\chi^2/\text{NDF}: 51757.6/22$

Right Out: 1298.632 ± 44.980 $\chi^2/\text{NDF}: 5909.5/18$

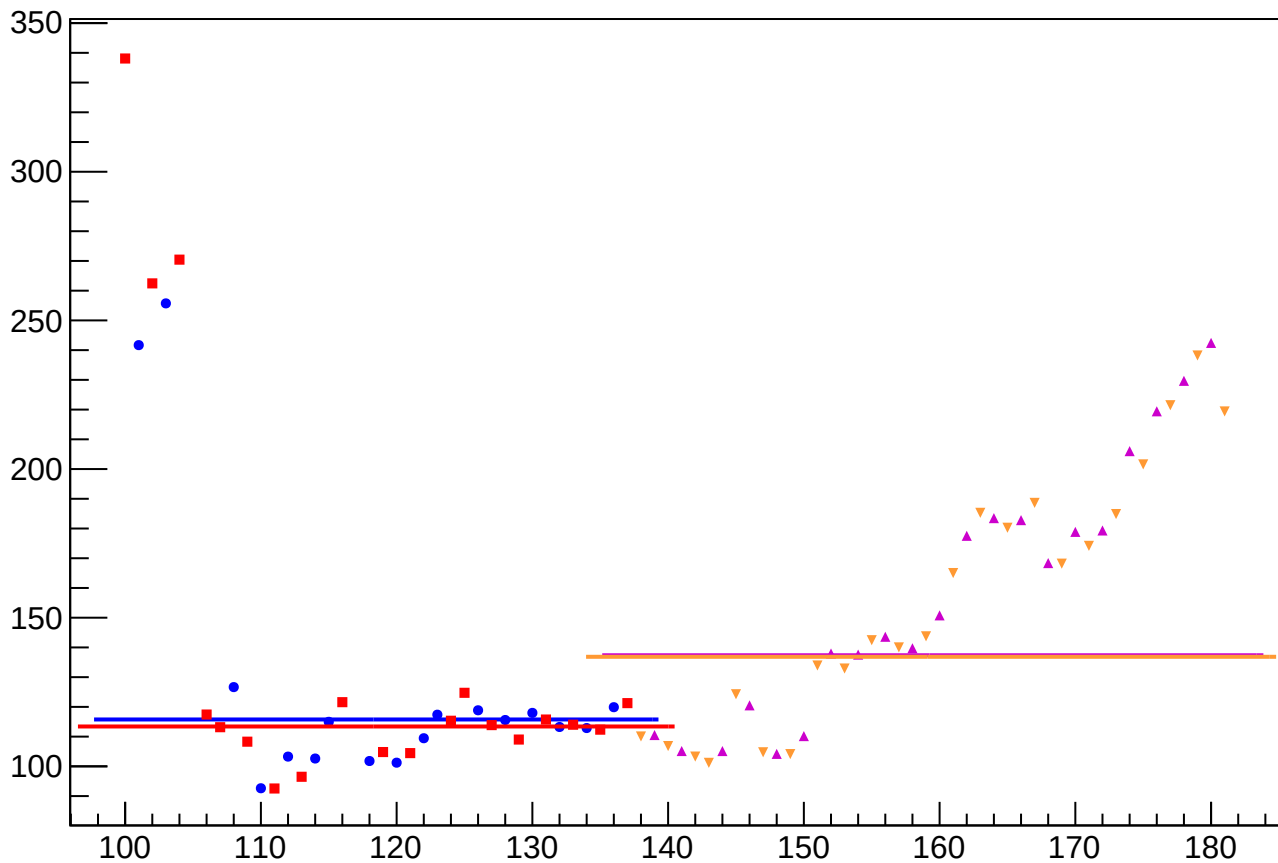
Left In: 5744.333 ± 35.415 $\chi^2/\text{NDF}: 14303.9/20$

+ sign -3871.521 ± 27.719 $\chi^2/\text{NDF}: 70498.4/39$

All: 70.521 ± 19.638 $\chi^2/\text{NDF}: 137348.9/79$

- sign 4043.013 ± 27.826 $\chi^2/\text{NDF}: 26243.7/39$

asym_bpm1i02WS_rms vs Slug



Right In: 115.768+/-0.034 χ^2/NDF : 743657.8/16

Left Out: 136.850+/-0.024 χ^2/NDF :2241155.4/22

Right Out: 113.410+/-0.032 χ^2/NDF : 795303.3/18

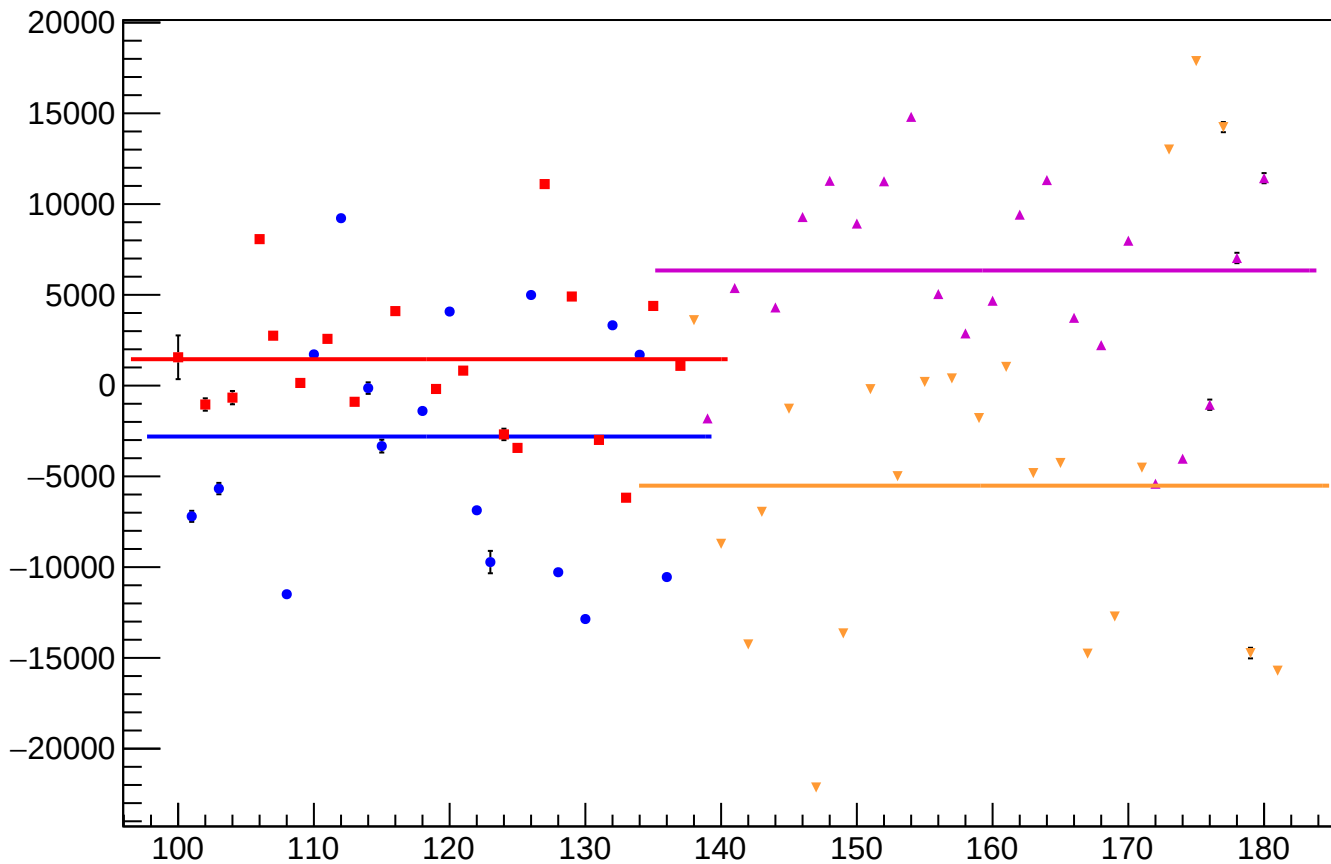
Left In: 137.366+/-0.025 χ^2/NDF :2080851.7/20

+ sign 129.643+/-0.020 χ^2/NDF : 3245133.1/39

All: 128.923+/-0.014 χ^2/NDF : 6474203.4/79

- sign 128.199+/-0.020 χ^2/NDF : 3226366.3/39

asym_bpm2i01WS_mean vs Slug



Right In: -2805.410+/-48.358 χ^2/NDF : 21259.6/16

Left Out: -5511.649+/-36.377 χ^2/NDF : 60165.3/22

Right Out: 1454.376+/-46.372 χ^2/NDF : 8020.2/18

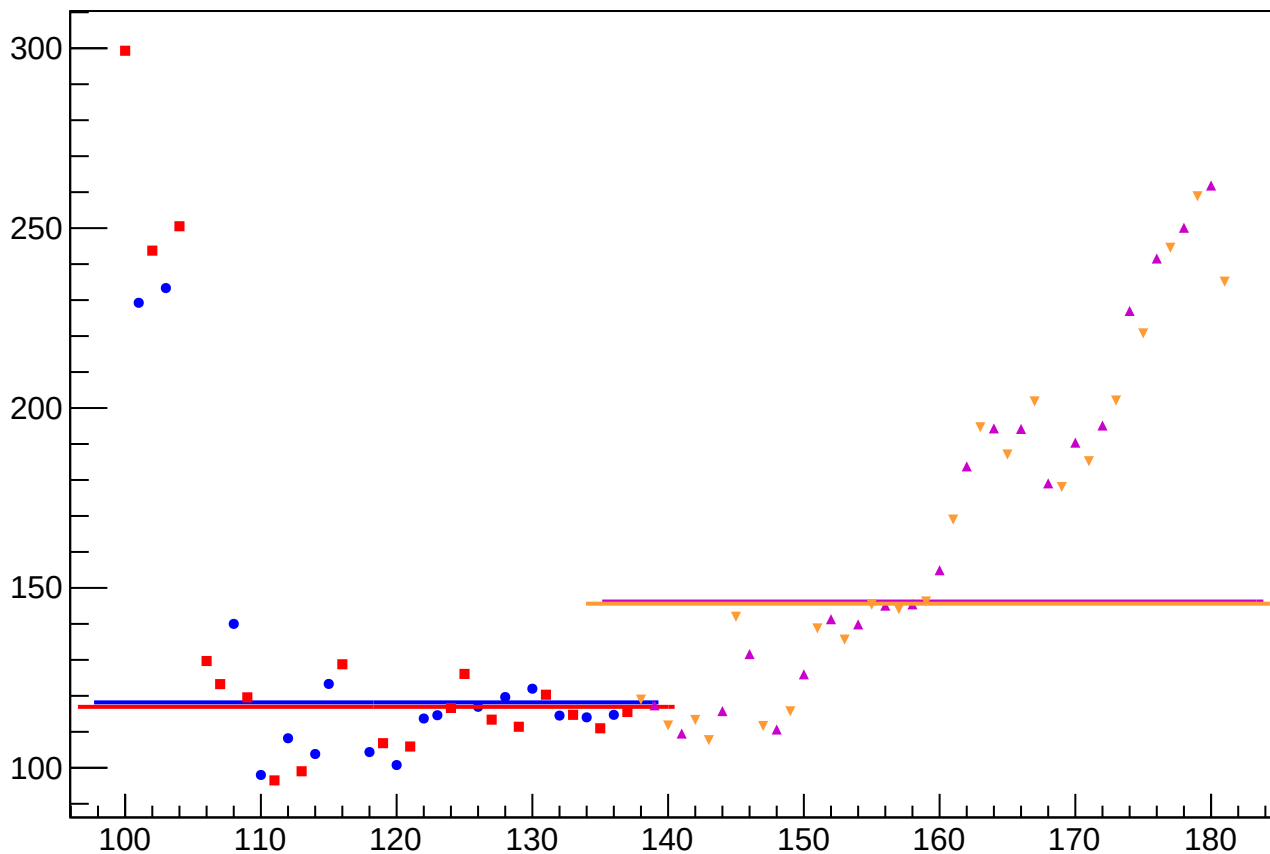
Left In: 6342.481+/-37.723 χ^2/NDF : 16686.5/20

+ sign -4533.696+/-29.070 χ^2/NDF : 83424.9/39

All: -98.479+/-20.624 χ^2/NDF : 161683.4/79

- sign 4395.888+/-29.263 χ^2/NDF : 31393.2/39

asym_bpm2i01WS_rms vs Slug



Right In: 118.187+/-0.034 χ^2/NDF : 636345.5/16

Left Out: 145.619+/-0.026 χ^2/NDF : 2211921.8/22

Right Out: 116.944+/-0.033 χ^2/NDF : 689368.0/18

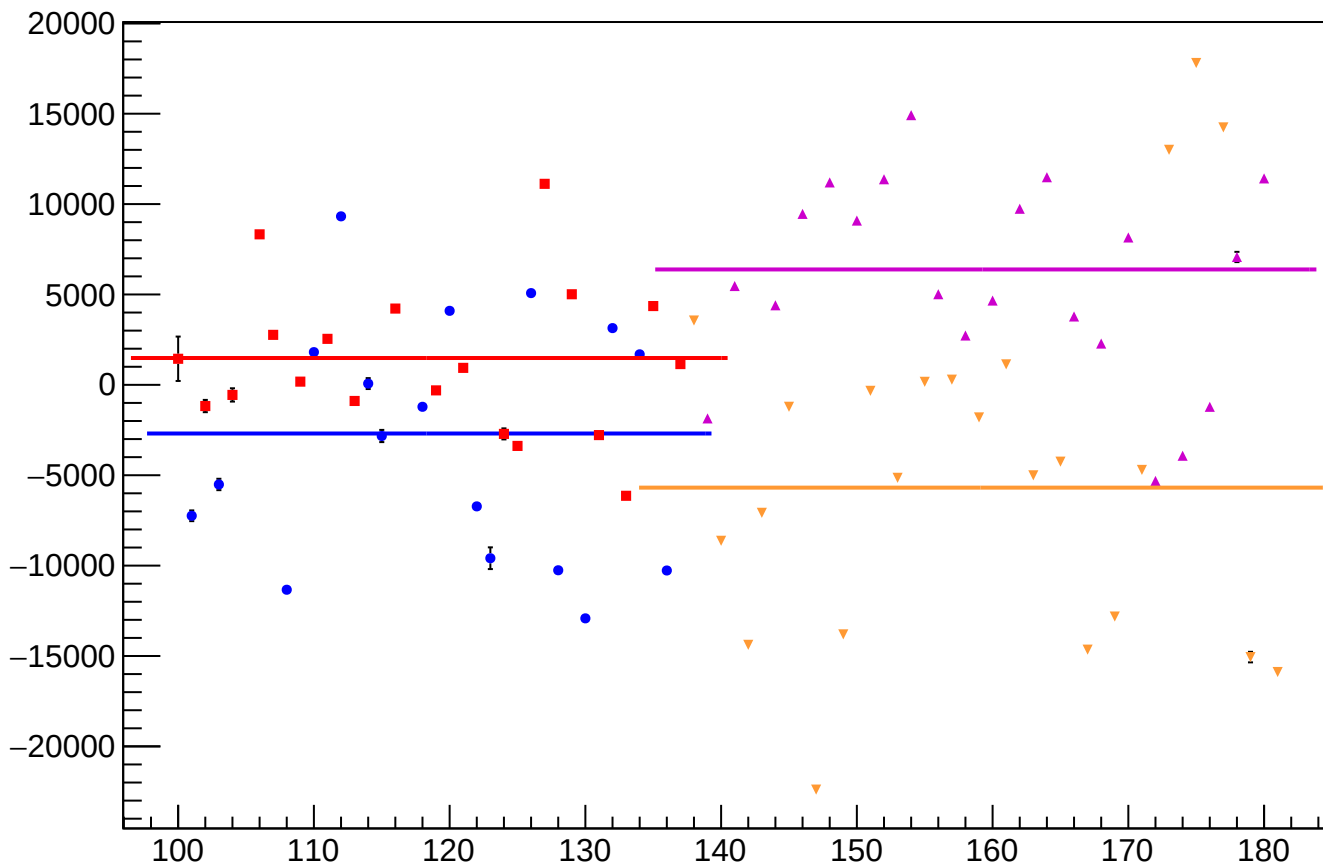
Left In: 146.218+/-0.027 χ^2/NDF : 2063977.9/20

+ sign 135.706+/-0.021 χ^2/NDF : 3259278.7/39

All: 135.137+/-0.015 χ^2/NDF : 6493819.9/79

- sign 134.560+/-0.021 χ^2/NDF : 3232997.4/39

asym_bpm2i02WS_mean vs Slug



Right In: -2691.569+/-46.420 χ^2/NDF : 22847.7/16

Left Out: -5685.794+/-35.546 χ^2/NDF : 64633.4/22

Right Out: 1484.889+/-44.421 χ^2/NDF : 8724.0/18

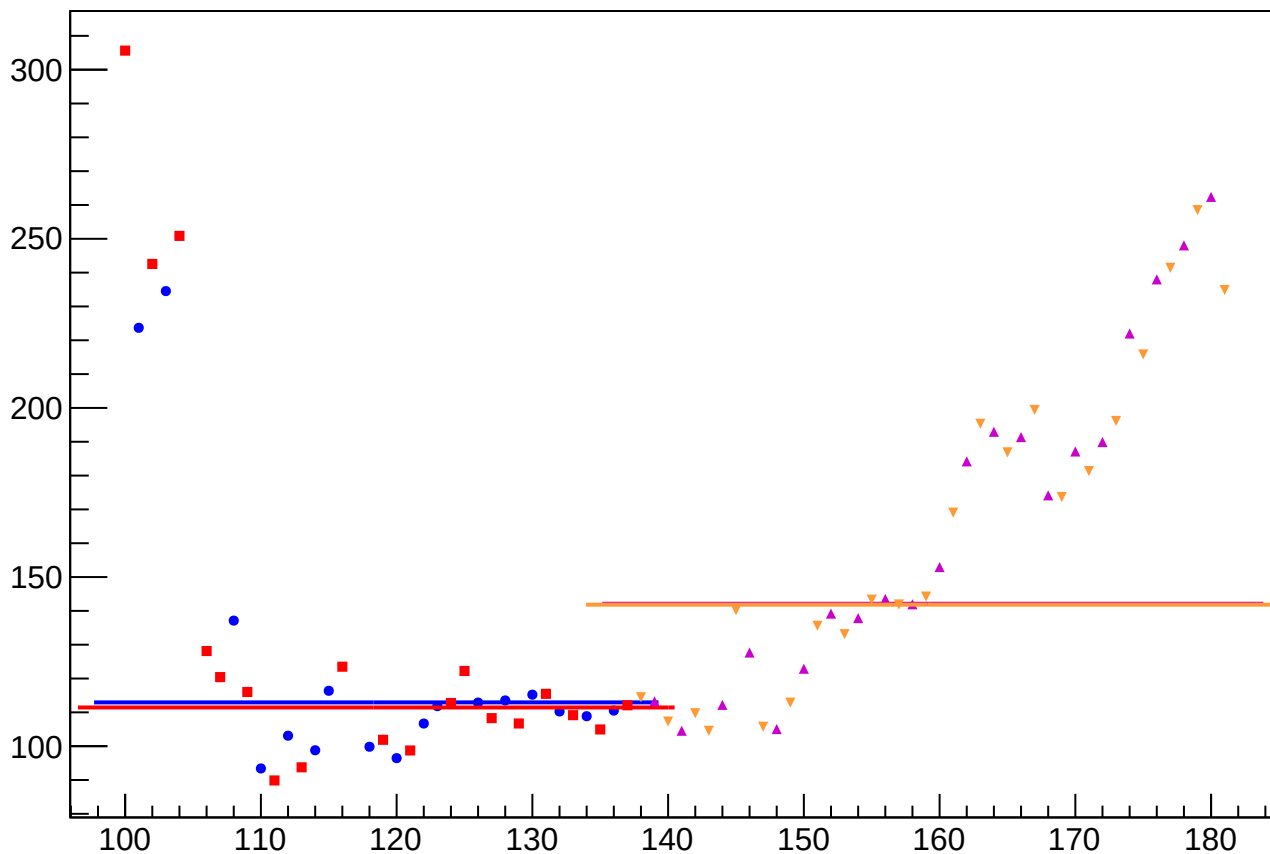
Left In: 6383.824+/-36.789 χ^2/NDF : 17789.7/20

+ sign -4579.022+/-28.222 χ^2/NDF : 90103.8/39

All: -111.831+/-19.995 χ^2/NDF : 174140.2/79

- sign 4390.712+/-28.333 χ^2/NDF : 33728.1/39

asym_bpm2i02WS_rms vs Slug



Right In: 112.944+/-0.033 χ^2/NDF : 680438.6/16

Left Out: 141.833+/-0.025 χ^2/NDF : 2375445.4/22

Right Out: 111.444+/-0.031 χ^2/NDF : 764132.1/18

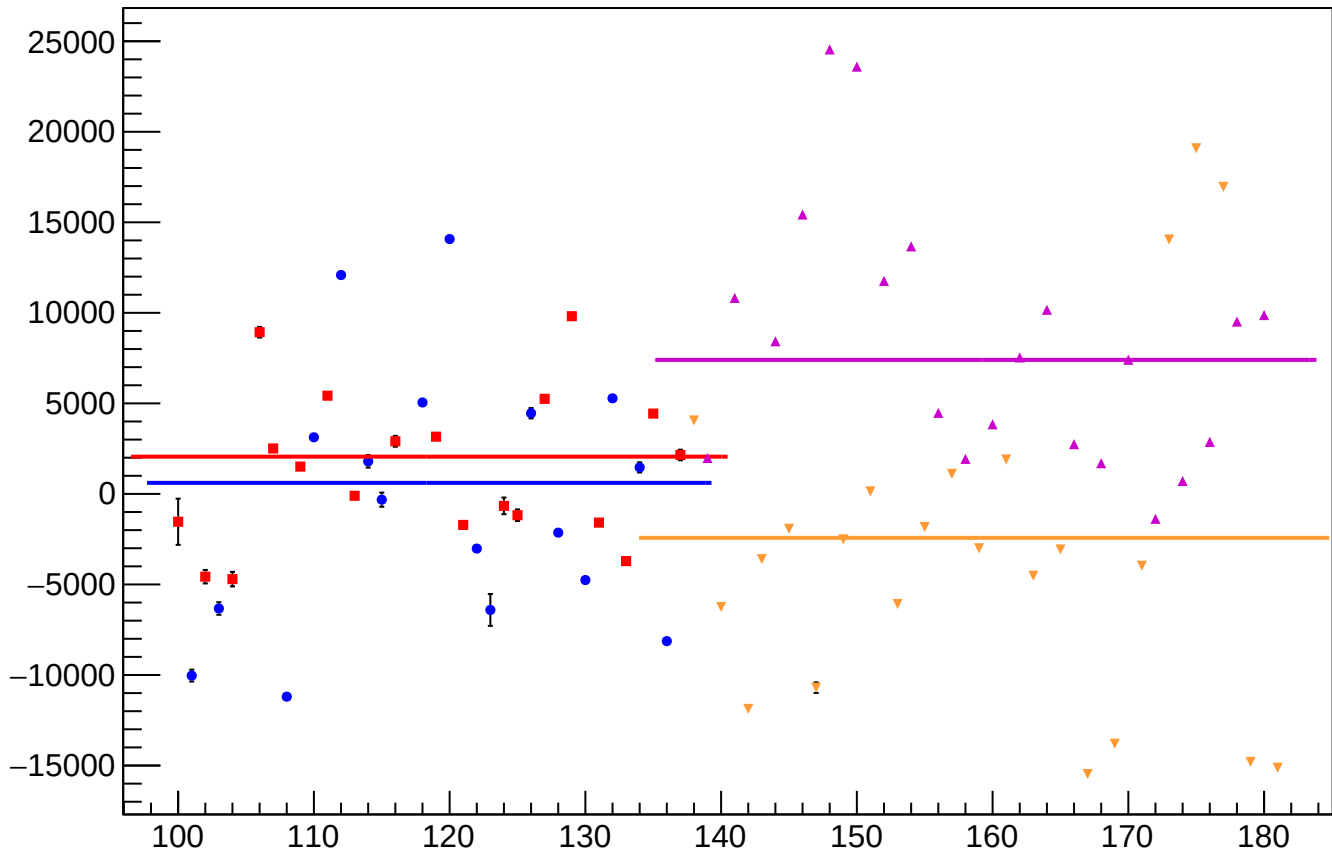
Left In: 142.104+/-0.026 χ^2/NDF : 2222689.8/20

+ sign 131.154+/-0.020 χ^2/NDF : 3544176.0/39

All: 130.395+/-0.014 χ^2/NDF : 7099066.8/79

- sign 129.630+/-0.020 χ^2/NDF : 3551986.1/39

asym_bpm0i01WS_mean vs Slug



Right In: 610.939 ± 56.154 $\chi^2/\text{NDF}: 18248.2/16$

Left Out: -2425.151 ± 40.178 $\chi^2/\text{NDF}: 42707.6/22$

Right Out: 2057.548 ± 53.904 $\chi^2/\text{NDF}: 4649.5/18$

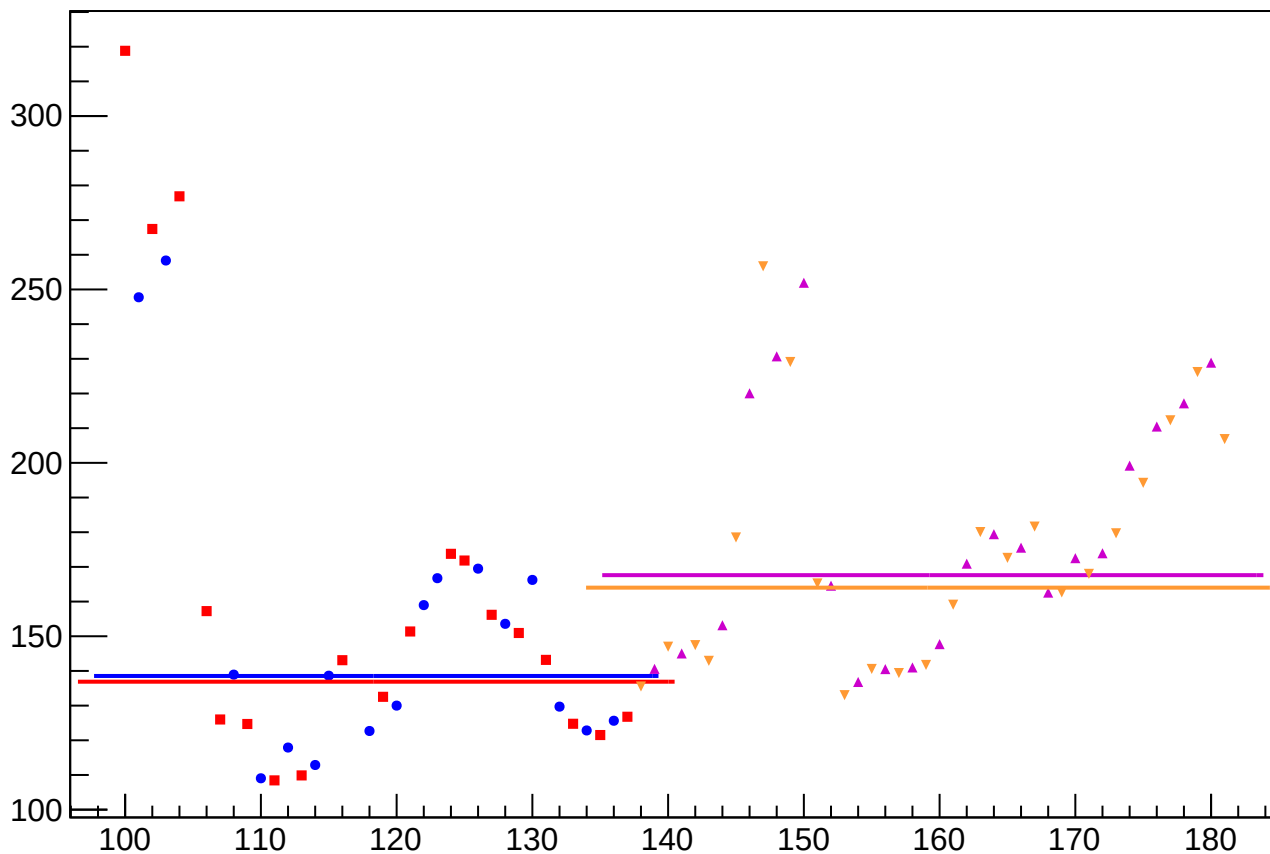
Left In: 7402.384 ± 42.522 $\chi^2/\text{NDF}: 19367.0/20$

+ sign -1397.134 ± 32.676 $\chi^2/\text{NDF}: 62889.3/39$

All: 1905.046 ± 23.352 $\chi^2/\text{NDF}: 113840.8/79$

- sign 5352.188 ± 33.385 $\chi^2/\text{NDF}: 30077.0/39$

asym_bpm0i01WS_rms vs Slug



Right In: 138.549 $\pm$ 0.040 χ^2 /NDF: 667663.4/16

Left Out: 164.016 $\pm$ 0.028 χ^2 /NDF: 1033909.6/22

Right Out: 136.895 $\pm$ 0.038 χ^2 /NDF: 751443.4/18

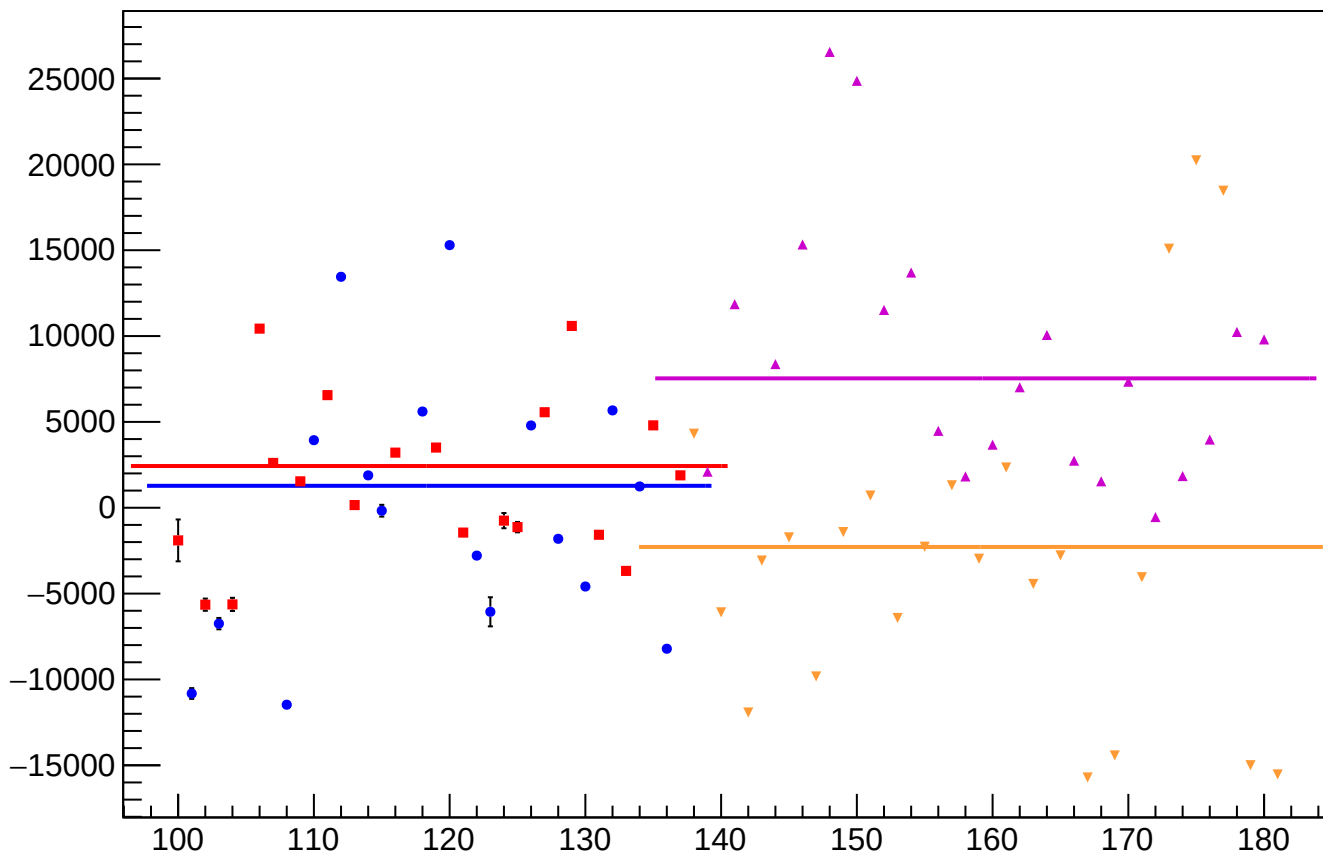
Left In: 167.619 $\pm$ 0.030 χ^2 /NDF: 1048972.7/20

+ sign 155.393 $\pm$ 0.023 χ^2 /NDF: 1973652.9/39

All: 155.609 $\pm$ 0.017 χ^2 /NDF: 4174755.5/79

- sign 155.834 $\pm$ 0.024 χ^2 /NDF: 2200924.7/39

asym_bpm0i01aWS_mean vs Slug



Right In: 1277.751+/-46.646 χ^2/NDF : 30549.2/16

Left Out: -2283.318+/-36.342 χ^2/NDF : 52854.4/22

Right Out: 2430.297+/-44.264 χ^2/NDF : 7696.9/18

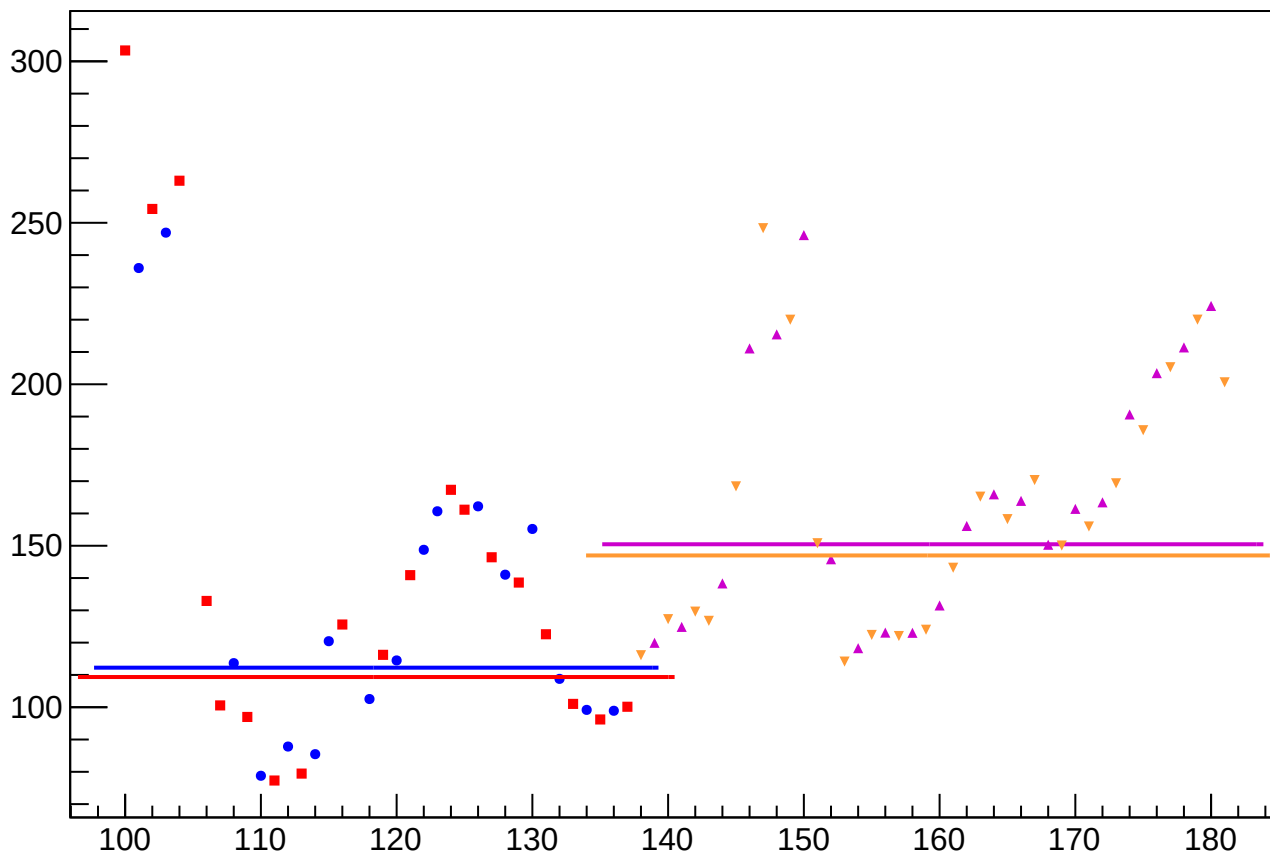
Left In: 7535.362+/-38.569 χ^2/NDF : 24076.1/20

+ sign -938.206+/-28.668 χ^2/NDF : 87030.3/39

All: 2152.389+/-20.415 χ^2/NDF : 149943.6/79

- sign 5332.182+/-29.079 χ^2/NDF : 39333.8/39

asym_bpm0i01aWS_rms vs Slug



Right In: 112.247+/-0.033 χ^2/NDF : 1123602.1/16

Left Out: 146.997+/-0.026 χ^2/NDF : 1529833.9/22

Right Out: 109.351+/-0.031 χ^2/NDF : 1263029.6/18

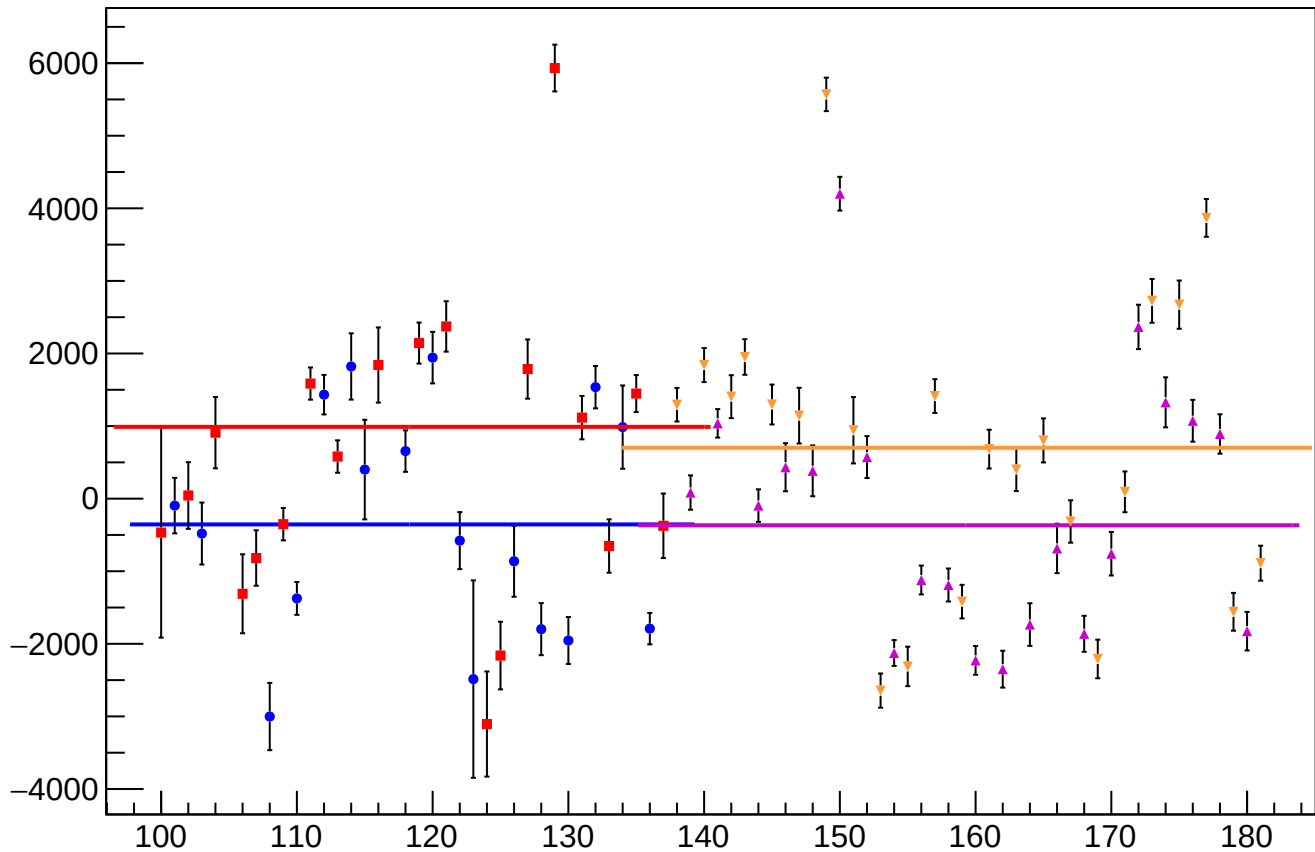
Left In: 150.459+/-0.027 χ^2/NDF : 1528658.3/20

+ sign 133.871+/-0.020 χ^2/NDF : 3344120.5/39

All: 133.303+/-0.014 χ^2/NDF : 7117940.9/79

- sign 132.718+/-0.021 χ^2/NDF : 3772226.7/39

asym_bpm0l01WS_mean vs Slug



Right In: -354.938 ± 84.016 χ^2/NDF : 310.6/16

Left Out: 700.886 ± 56.003 χ^2/NDF : 1417.5/22

Right Out: 989.192 ± 77.653 χ^2/NDF : 477.2/18

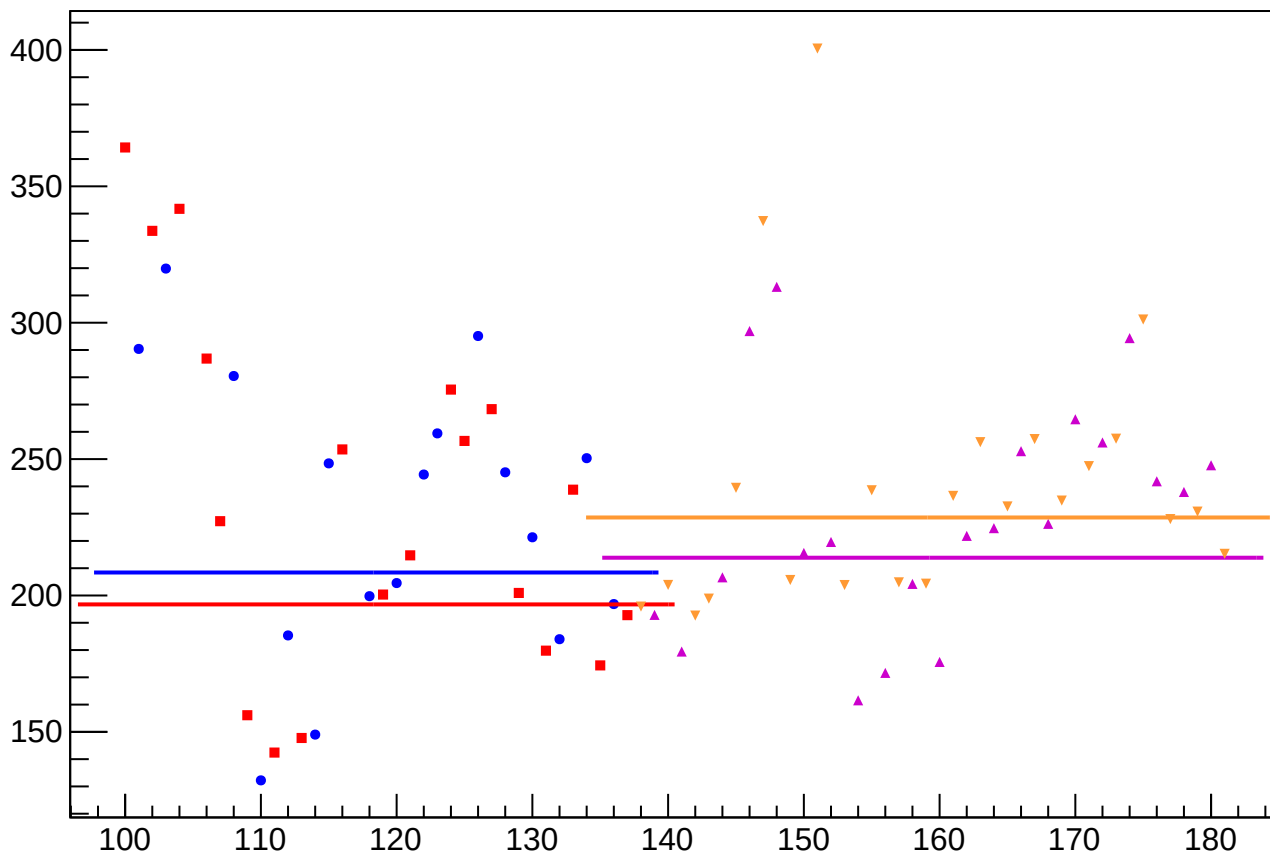
Left In: -366.438 ± 54.605 χ^2/NDF : 979.2/20

+ sign 376.075 ± 46.599 χ^2/NDF : 1837.4/39

All: 222.869 ± 32.246 χ^2/NDF : 3518.5/79

- sign 82.105 ± 44.667 χ^2/NDF : 1660.3/39

asym_bpm0l01WS_rms vs Slug



Right In: 208.429 $\pm$ 0.059 χ^2/NDF : 696957.4/16

Left Out: 228.598 $\pm$ 0.040 χ^2/NDF : 823938.6/22

Right Out: 196.731 $\pm$ 0.055 χ^2/NDF : 925461.3/18

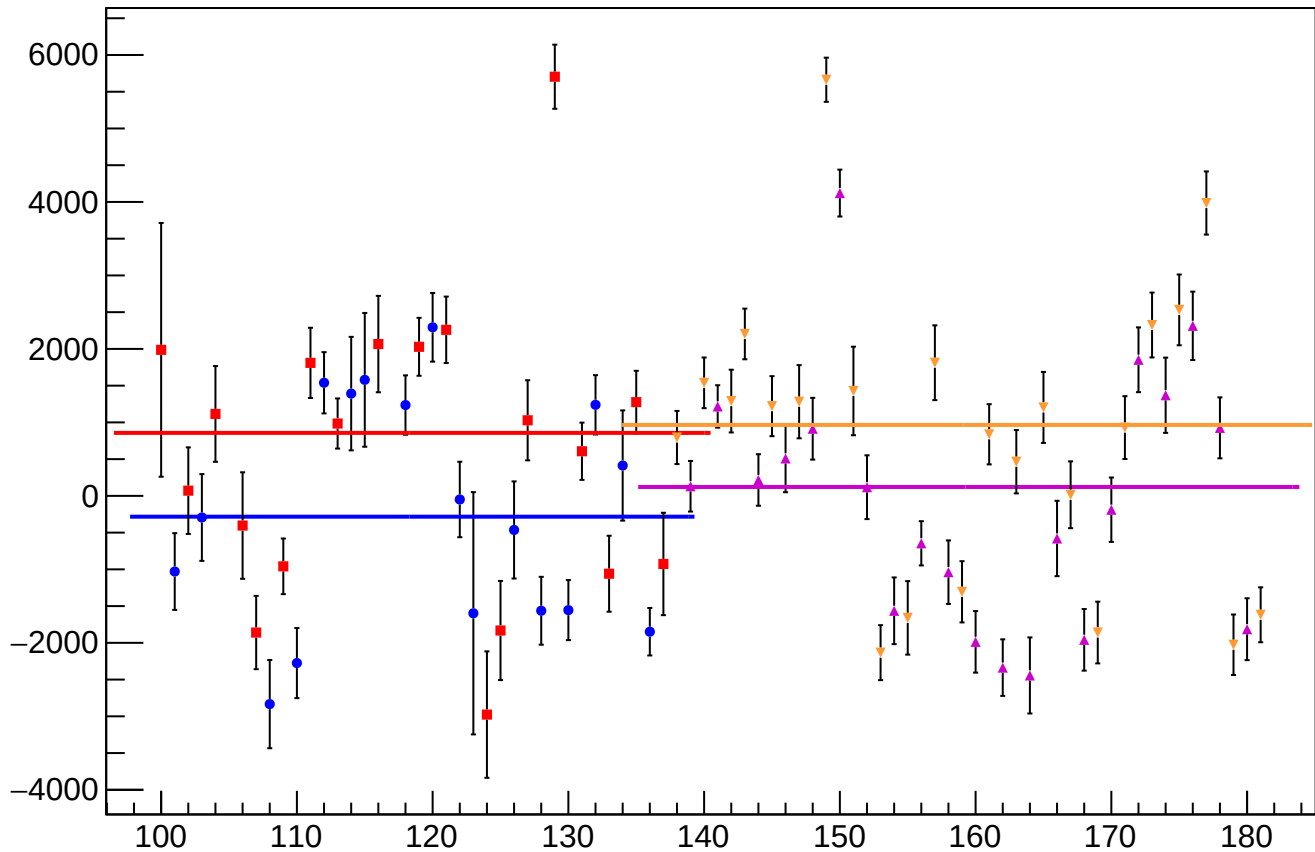
Left In: 213.846 $\pm$ 0.039 χ^2/NDF : 1016003.1/20

+ sign 222.394 $\pm$ 0.033 χ^2/NDF : 1600699.7/39

All: 214.987 $\pm$ 0.023 χ^2/NDF : 3704109.2/79

- sign 208.183 $\pm$ 0.032 χ^2/NDF : 2006473.9/39

asym_bpm0l02WS_mean vs Slug



Right In: -283.146 ± 121.564 χ^2/NDF : 166.9/16

Left Out: 965.319 ± 86.353 χ^2/NDF : 612.4/22

Right Out: 857.162 ± 115.341 χ^2/NDF : 265.0/18

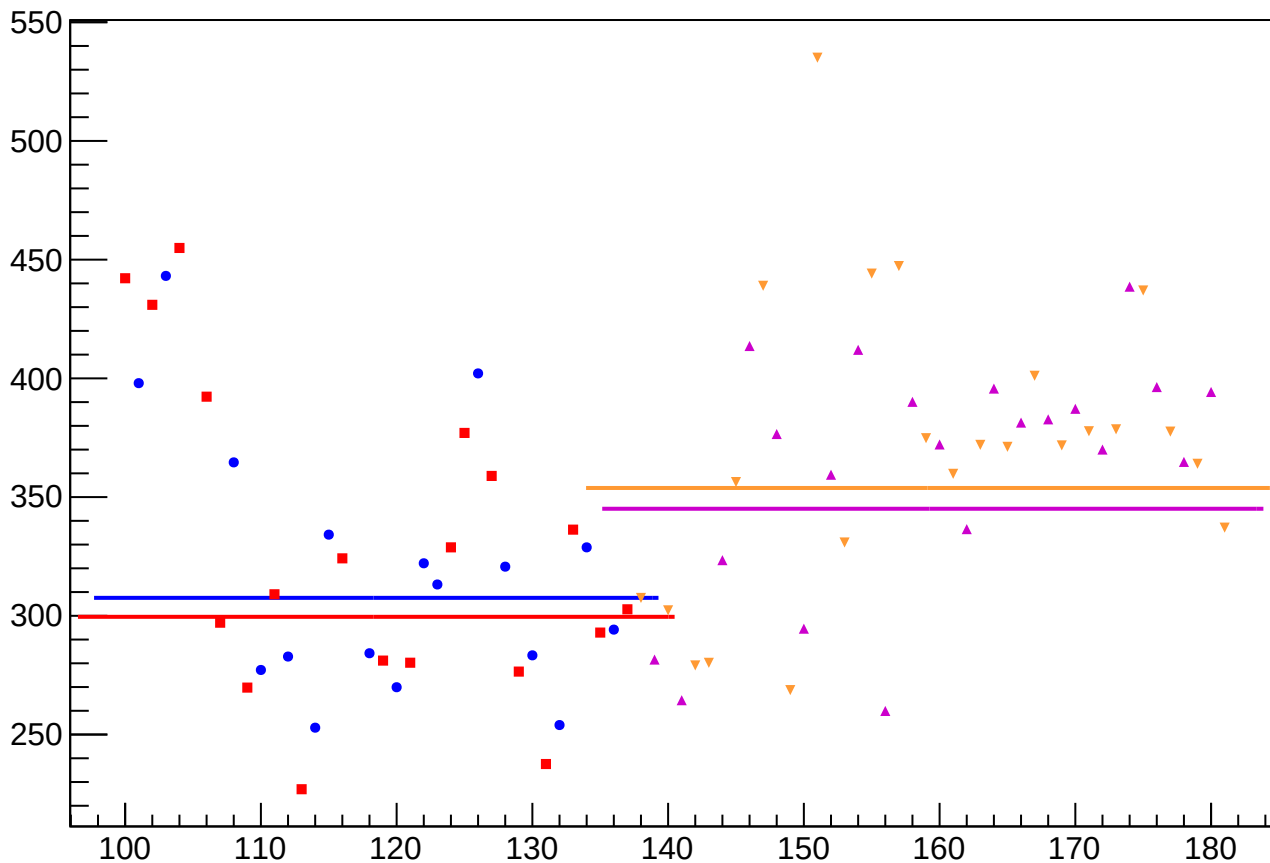
Left In: 121.252 ± 87.281 χ^2/NDF : 389.6/20

+ sign 546.619 ± 70.399 χ^2/NDF : 849.4/39

All: 467.017 ± 49.495 χ^2/NDF : 1532.4/79

- sign 389.212 ± 69.600 χ^2/NDF : 680.5/39

asym_bpm0l02WS_rms vs Slug



Right In: 307.566 $\pm$ 0.086 χ^2 /NDF: 321522.0/16

Left Out: 353.841 $\pm$ 0.061 χ^2 /NDF: 890445.6/22

Right Out: 299.577 $\pm$ 0.082 χ^2 /NDF: 493549.3/18

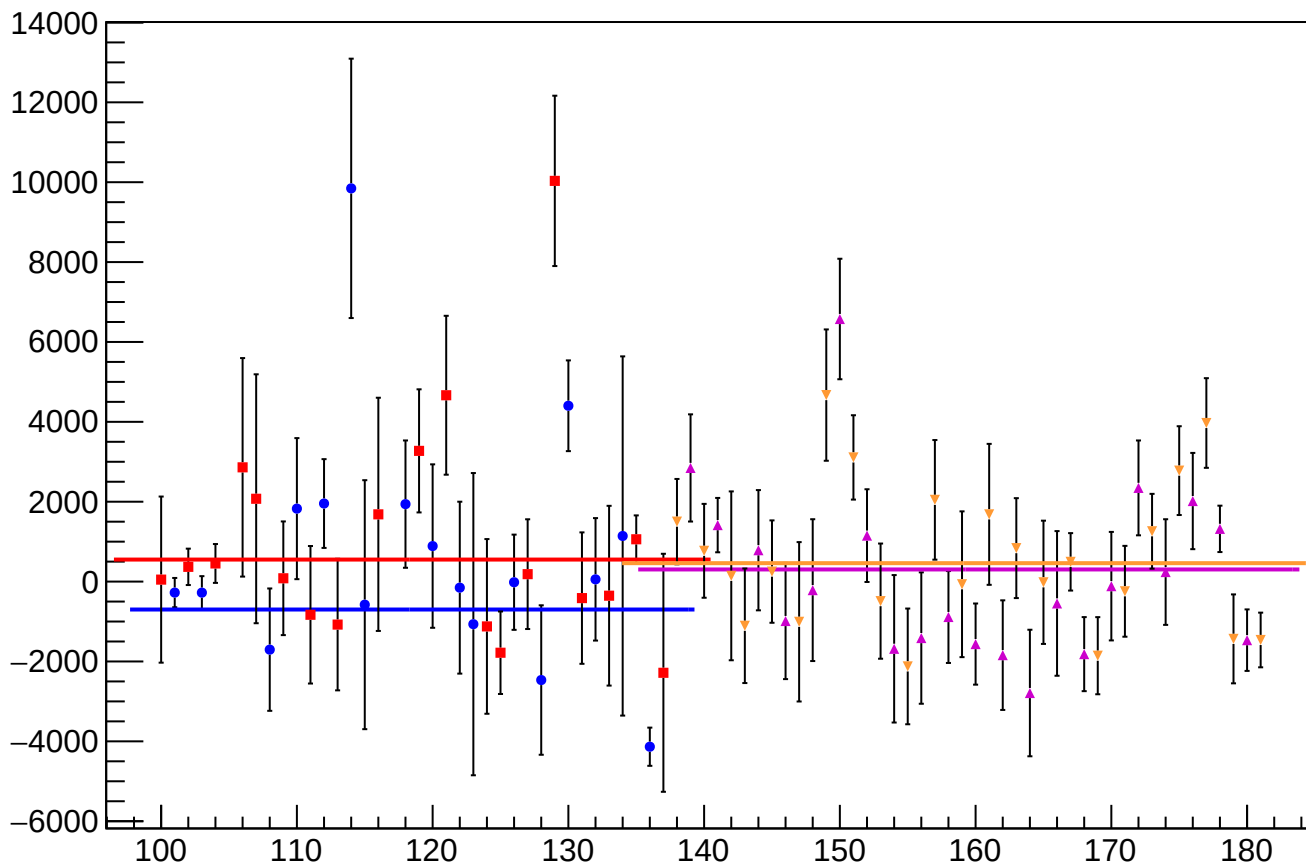
Left In: 345.087 $\pm$ 0.062 χ^2 /NDF: 767433.3/20

+ sign 338.321 $\pm$ 0.050 χ^2 /NDF: 1404579.7/39

All: 333.363 $\pm$ 0.035 χ^2 /NDF: 2883181.2/79

- sign 328.516 $\pm$ 0.049 χ^2 /NDF: 1458980.5/39

asym_bpm0l03WS_mean vs Slug



Right In: -699.406 ± 210.504 χ^2/NDF : 97.9/16

Left Out: 461.232 ± 242.651 χ^2/NDF : 52.9/22

Right Out: 551.457 ± 243.420 χ^2/NDF : 38.1/18

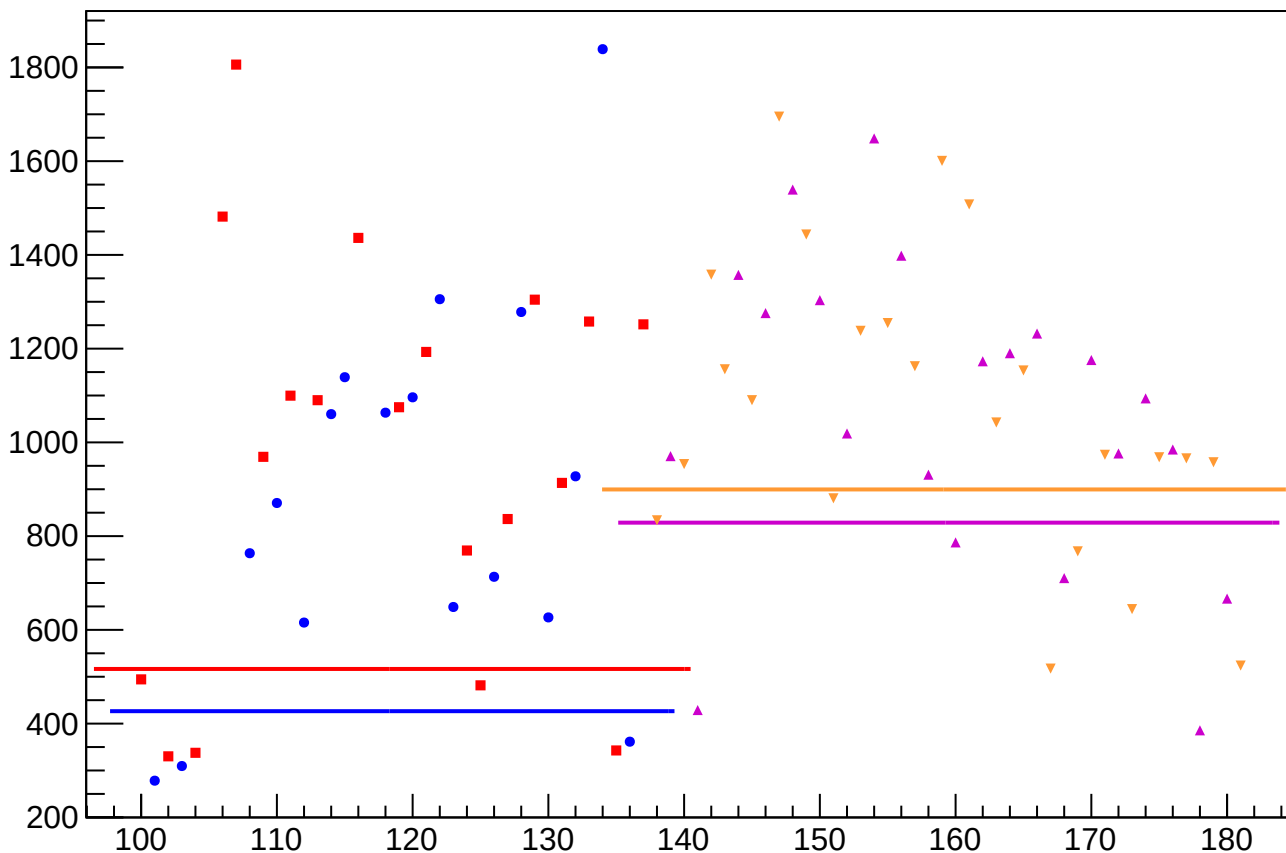
Left In: 303.632 ± 242.003 χ^2/NDF : 56.9/20

+ sign -201.012 ± 159.009 χ^2/NDF : 163.9/39

All: 88.990 ± 116.640 χ^2/NDF : 266.6/79

- sign 426.821 ± 171.621 χ^2/NDF : 95.5/39

asym_bpm0l03WS_rms vs Slug



Right In: 426.522 $\pm$ 0.149 χ^2 /NDF: 2863074.2/16

Left Out: 899.590 $\pm$ 0.172 χ^2 /NDF: 3038269.1/22

Right Out: 516.598 $\pm$ 0.172 χ^2 /NDF: 3598022.9/18

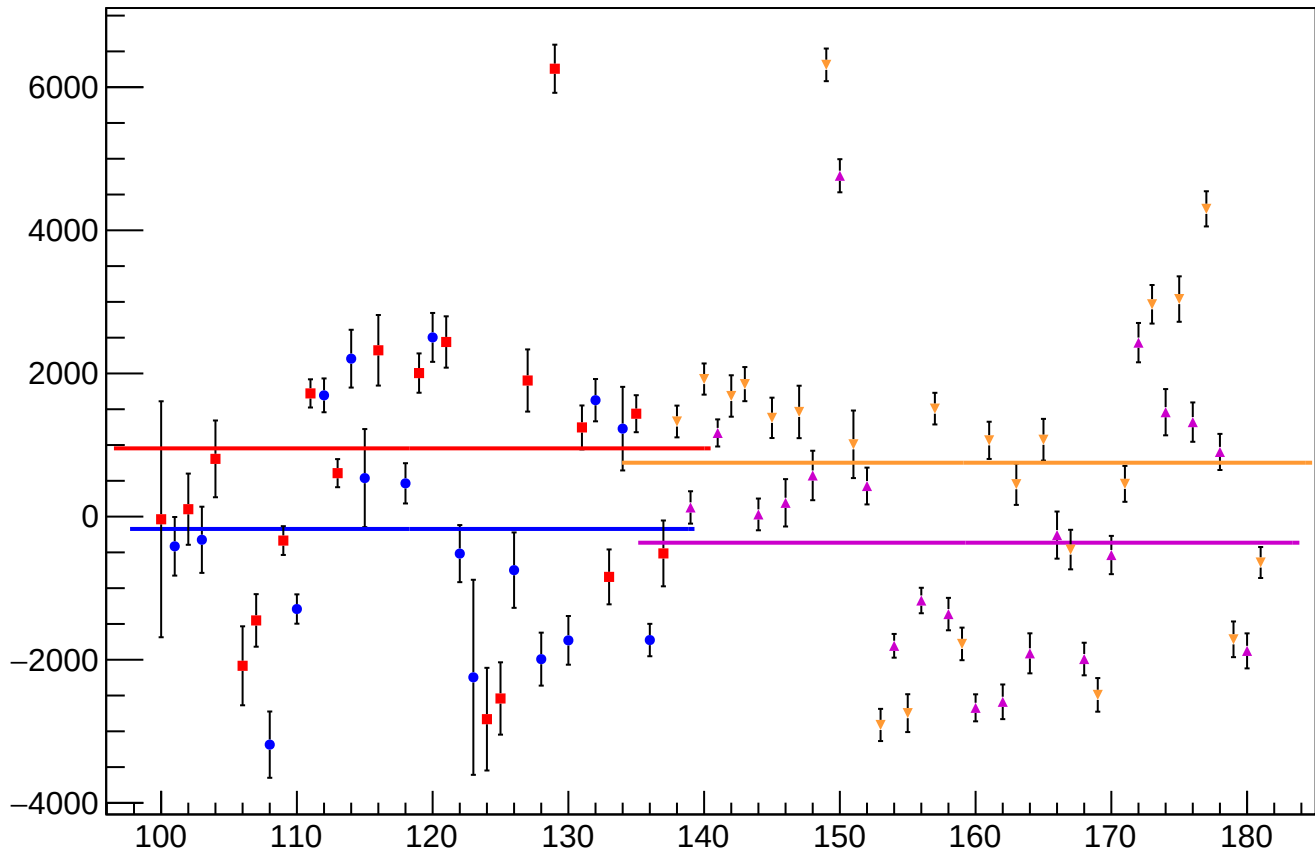
Left In: 828.747 $\pm$ 0.171 χ^2 /NDF: 4263743.7/20

+ sign 629.664 $\pm$ 0.112 χ^2 /NDF: 10238780.6/39

All: 649.951 $\pm$ 0.082 χ^2 /NDF: 19825043.0/79

- sign 673.584 $\pm$ 0.121 χ^2 /NDF: 9515781.2/39

asym_bpm0l04WS_mean vs Slug



Right In: -172.521 ± 82.544 χ^2/NDF : 376.5/16

Left Out: 752.839 ± 53.316 χ^2/NDF : 1928.5/22

Right Out: 953.457 ± 75.104 χ^2/NDF : 541.2/18

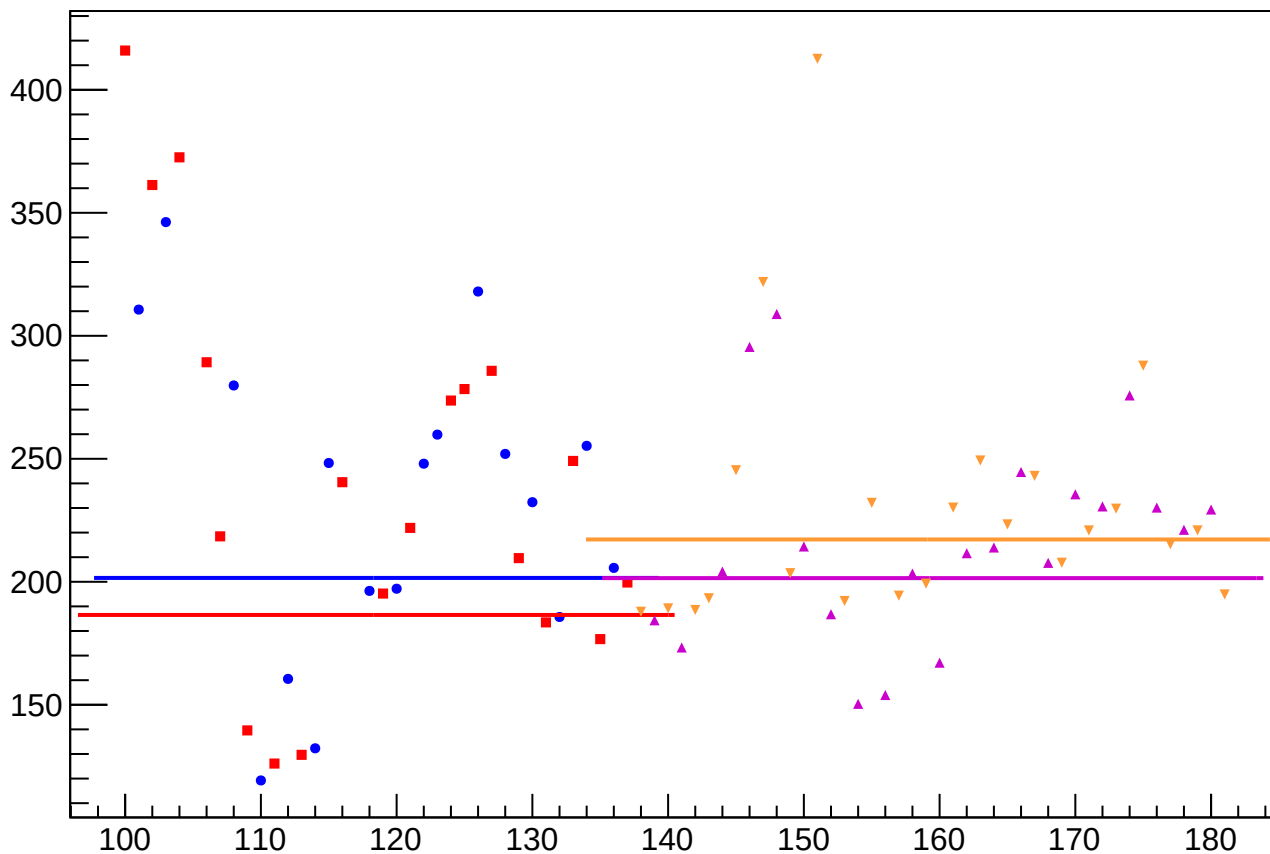
Left In: -364.772 ± 51.618 χ^2/NDF : 1251.4/20

+ sign 480.431 ± 44.786 χ^2/NDF : 2393.6/39

All: 258.435 ± 30.844 χ^2/NDF : 4442.3/79

- sign 58.147 ± 42.540 χ^2/NDF : 2001.9/39

asym_bpm0l04WS_rms vs Slug



Right In: 201.572 $\pm$ 0.058 χ^2 /NDF: 1052330.1/16

Left Out: 217.205 $\pm$ 0.038 χ^2 /NDF:882780.1/22

Right Out: 186.520 $\pm$ 0.053 χ^2 /NDF: 1388400.1/18

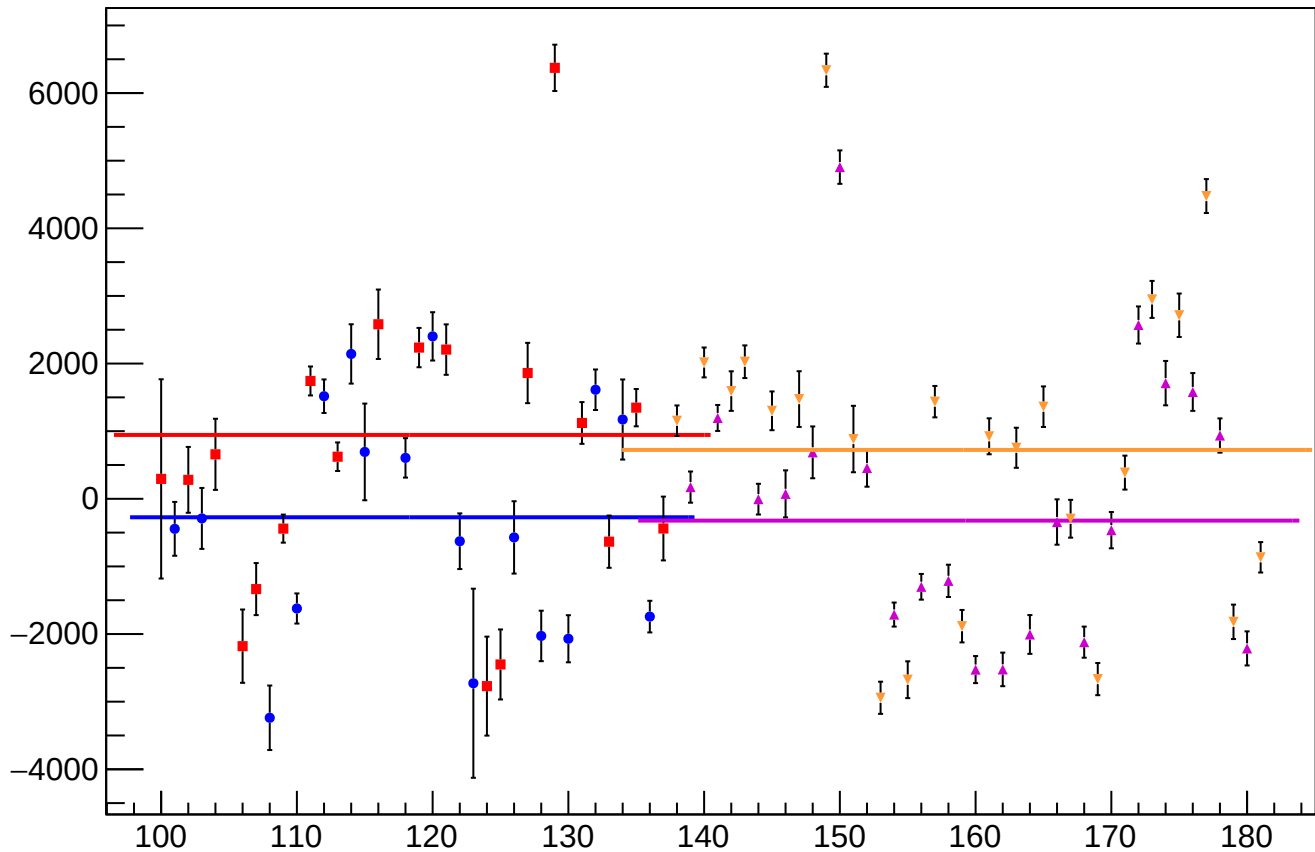
Left In: 201.491 $\pm$ 0.036 χ^2 /NDF:1085941.3/20

+ sign 212.603 $\pm$ 0.032 χ^2 /NDF: 1985731.6/39

All: 204.236 $\pm$ 0.022 χ^2 /NDF: 4646822.1/79

- sign 196.688 $\pm$ 0.030 χ^2 /NDF: 2528316.5/39

asym_bpm0l05WS_mean vs Slug



Right In: -273.296 ± 85.630 χ^2/NDF : 362.8/16

Left Out: 722.905 ± 54.904 χ^2/NDF : 1828.2/22

Right Out: 944.335 ± 78.399 χ^2/NDF : 524.4/18

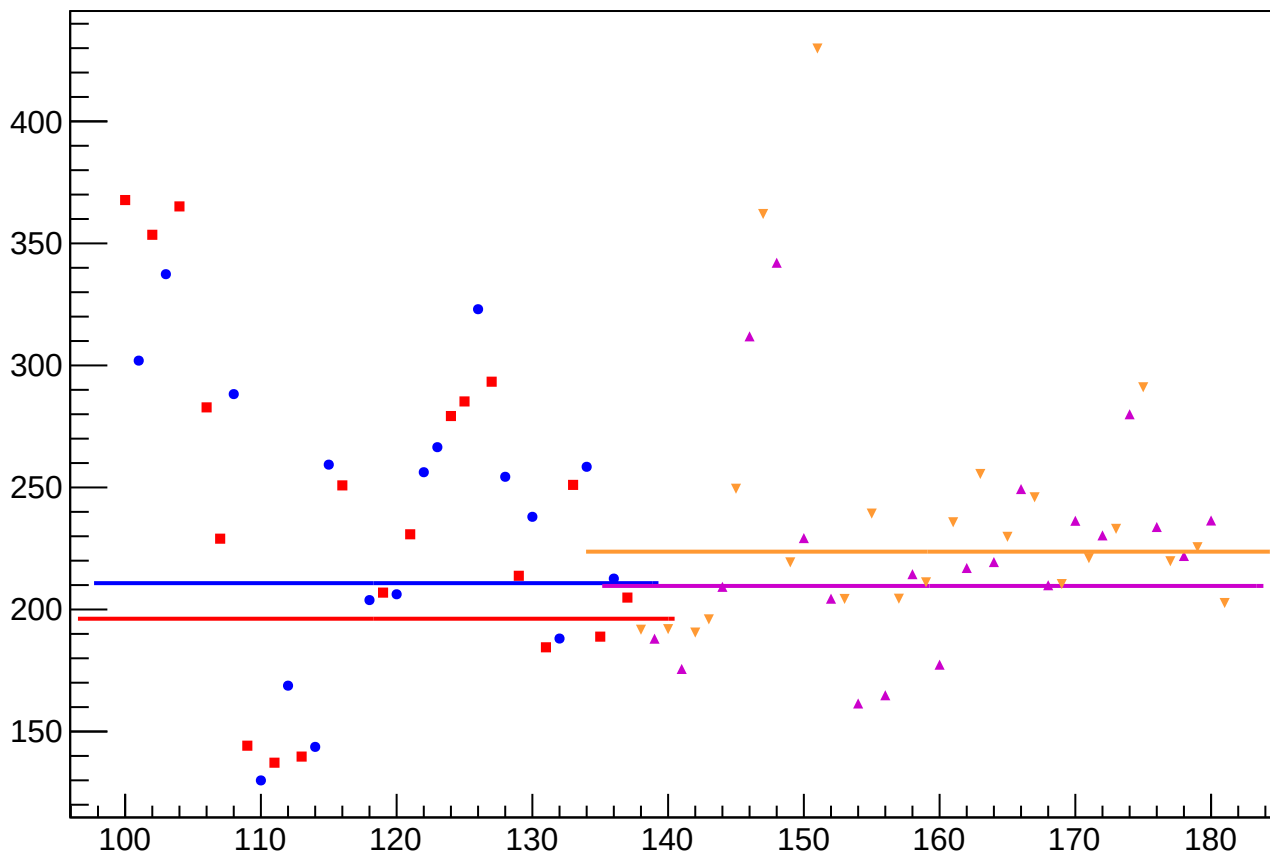
Left In: -322.599 ± 53.584 χ^2/NDF : 1205.3/20

+ sign 432.675 ± 46.219 χ^2/NDF : 2286.9/39

All: 249.037 ± 31.959 χ^2/NDF : 4224.8/79

- sign 80.802 ± 44.238 χ^2/NDF : 1907.7/39

asym_bpm0l05WS_rms vs Slug



Right In: 210.791+/-0.061 χ^2/NDF : 873120.0/16

Left Out: 223.696+/-0.039 χ^2/NDF : 922092.9/22

Right Out: 196.216+/-0.055 χ^2/NDF : 1201600.7/18

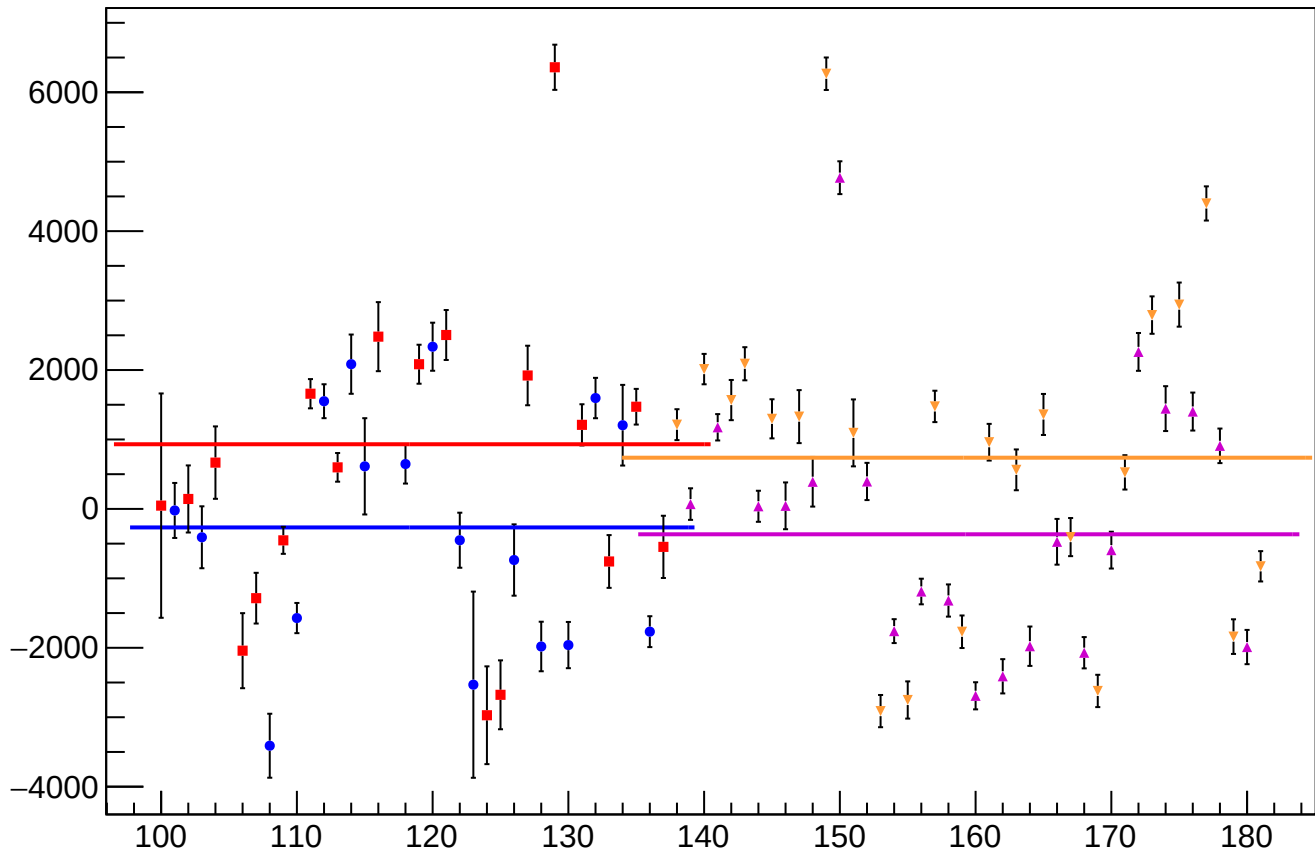
Left In: 209.650+/-0.038 χ^2/NDF : 1013078.0/20

+ sign 219.937+/-0.033 χ^2/NDF : 1827404.8/39

All: 212.336+/-0.023 χ^2/NDF : 4185746.0/79

- sign 205.373+/-0.031 χ^2/NDF : 2254707.2/39

asym_bpm0l06WS_mean vs Slug



Right In: -266.674 ± 82.997 χ^2/NDF : 383.4/16

Left Out: 737.416 ± 53.788 χ^2/NDF : 1903.9/22

Right Out: 931.196 ± 75.469 χ^2/NDF : 584.4/18

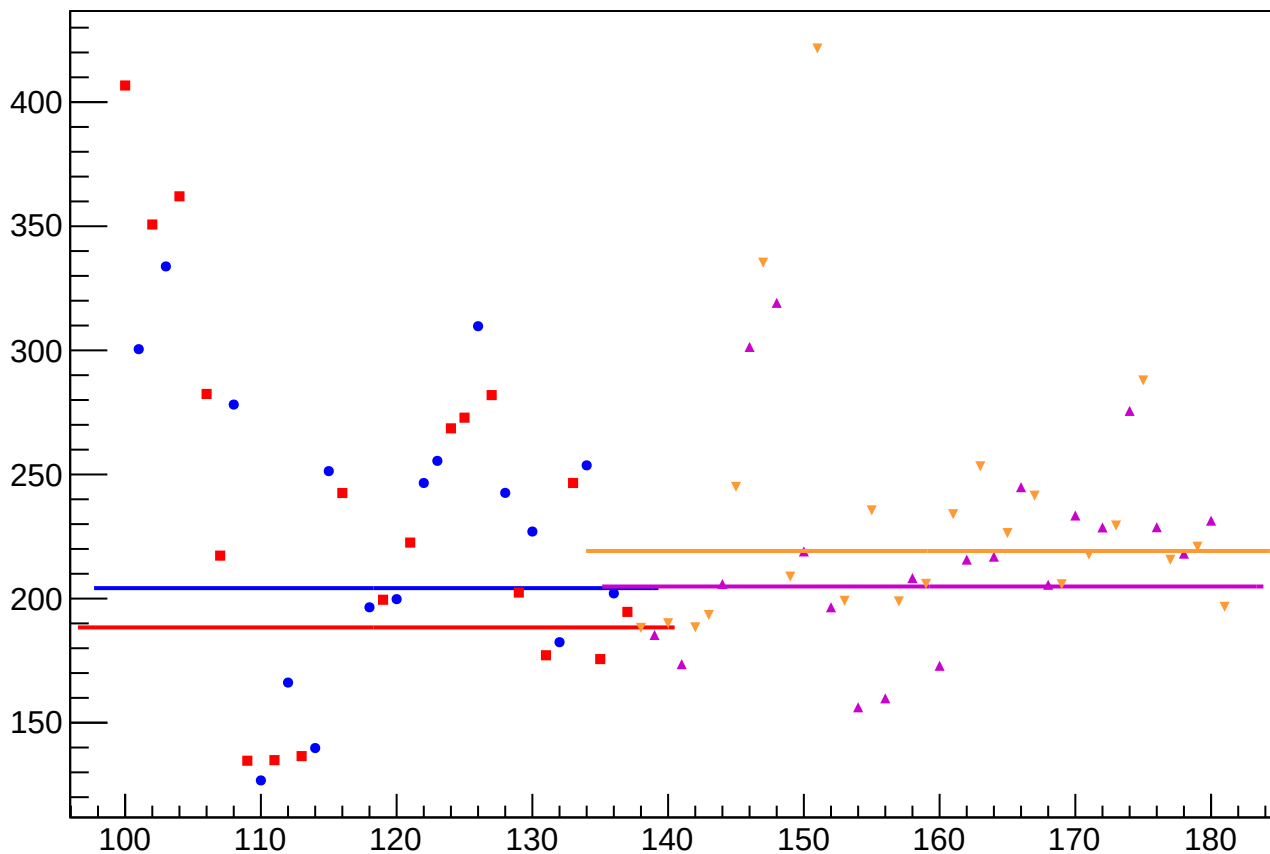
Left In: -365.427 ± 52.378 χ^2/NDF : 1197.8/20

+ sign 440.434 ± 45.138 χ^2/NDF : 2390.4/39

All: 239.077 ± 31.145 χ^2/NDF : 4409.8/79

- sign 56.088 ± 43.030 χ^2/NDF : 1981.4/39

asym_bpm0l06WS_rms vs Slug



Right In: 204.211+/-0.059 χ^2/NDF : 866108.6/16

Left Out: 219.181+/-0.038 χ^2/NDF : 896155.1/22

Right Out: 188.384+/-0.053 χ^2/NDF : 1247760.0/18

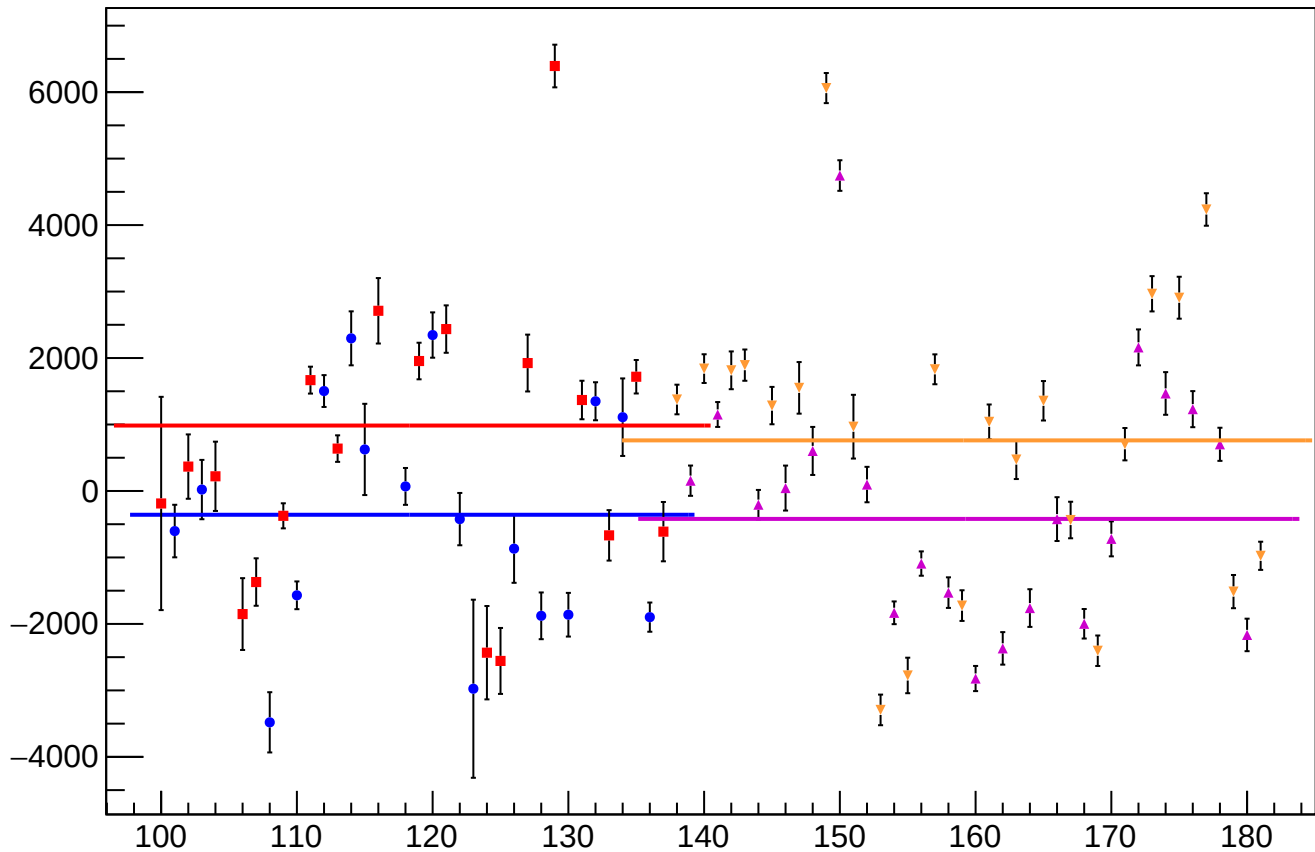
Left In: 204.870+/-0.037 χ^2/NDF : 995379.7/20

+ sign 214.754+/-0.032 χ^2/NDF : 1808084.0/39

All: 206.768+/-0.022 χ^2/NDF : 4235121.1/79

- sign 199.511+/-0.030 χ^2/NDF : 2307546.8/39

asym_bpm0l07WS_mean vs Slug



Right In: -357.821 ± 81.517 χ^2/NDF : 388.2/16

Left Out: 761.066 ± 53.252 χ^2/NDF : 1931.5/22

Right Out: 984.342 ± 73.851 χ^2/NDF : 588.2/18

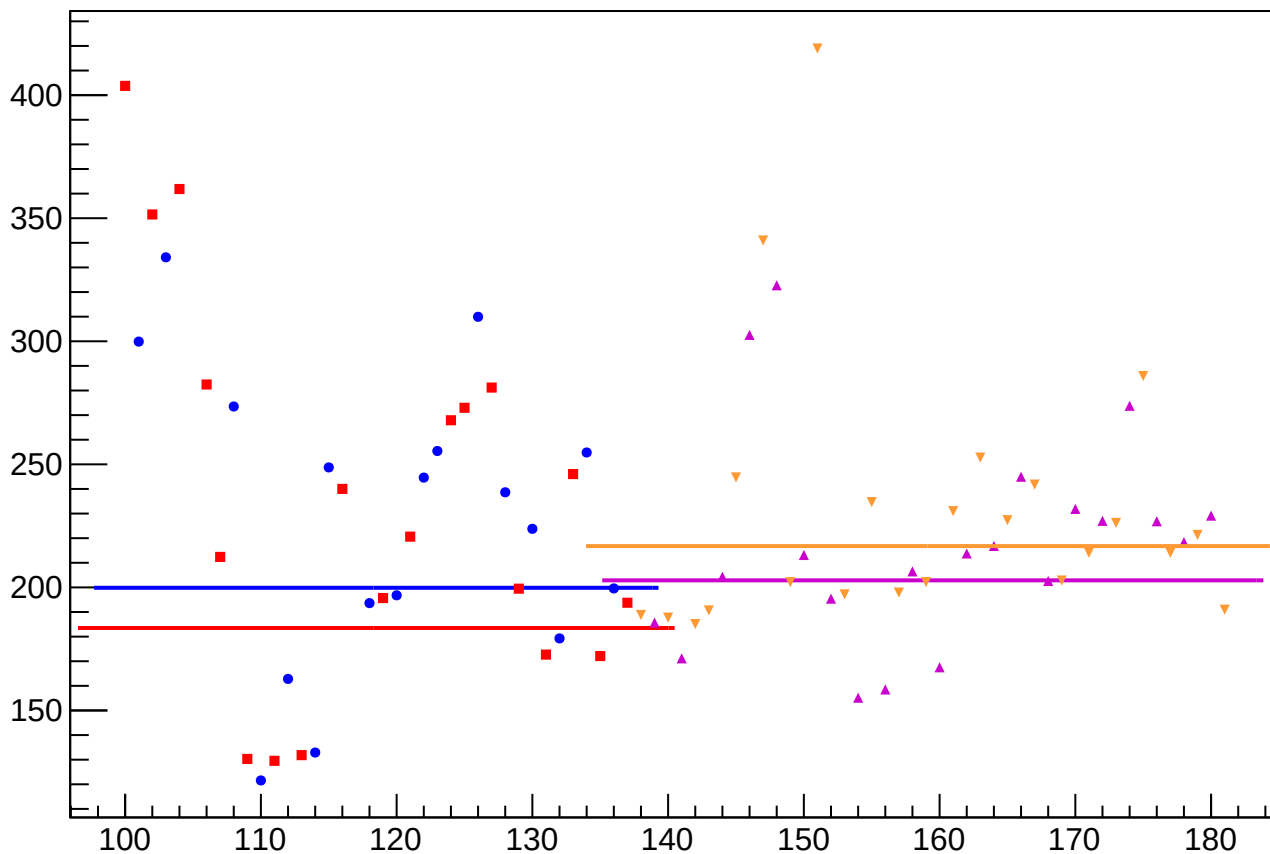
Left In: -420.150 ± 51.910 χ^2/NDF : 1232.3/20

+ sign 426.399 ± 44.582 χ^2/NDF : 2451.8/39

All: 226.072 ± 30.750 χ^2/NDF : 4552.9/79

- sign 44.293 ± 42.468 χ^2/NDF : 2062.6/39

asym_bpm0l07WS_rms vs Slug



Right In: 199.847 $\pm$ 0.058 χ^2 /NDF: 940786.8/16

Left Out: 216.782 $\pm$ 0.038 χ^2 /NDF: 943119.9/22

Right Out: 183.513 $\pm$ 0.052 χ^2 /NDF: 1345883.7/18

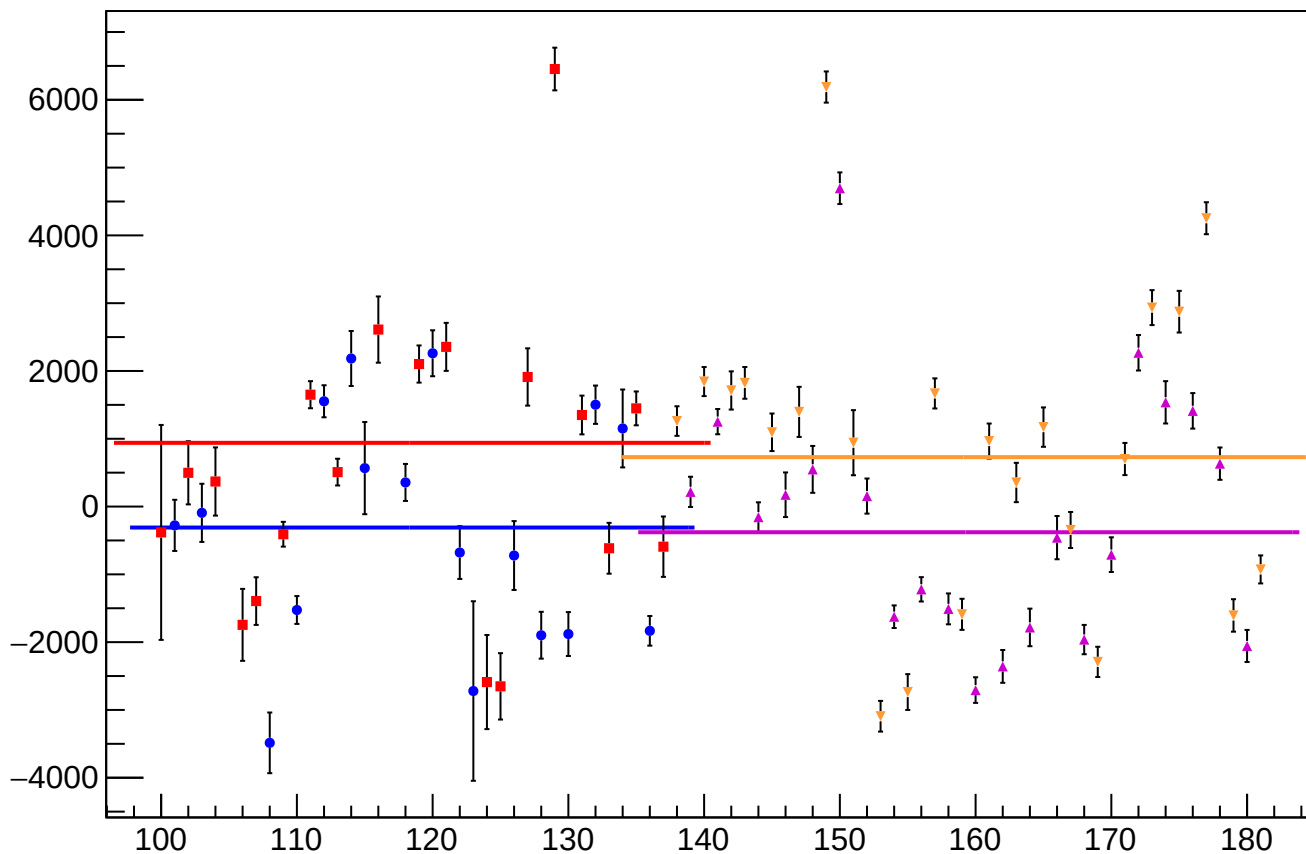
Left In: 202.864 $\pm$ 0.037 χ^2 /NDF: 1037297.1/20

+ sign 211.717 $\pm$ 0.032 χ^2 /NDF: 1944408.2/39

All: 203.721 $\pm$ 0.022 χ^2 /NDF: 4542212.3/79

- sign 196.465 $\pm$ 0.030 χ^2 /NDF: 2475082.7/39

asym_bpm0l08WS_mean vs Slug



Right In: -309.418 ± 80.357 χ^2/NDF : 396.4/16

Left Out: 728.950 ± 52.305 χ^2/NDF : 1921.9/22

Right Out: 940.123 ± 72.716 χ^2/NDF : 616.8/18

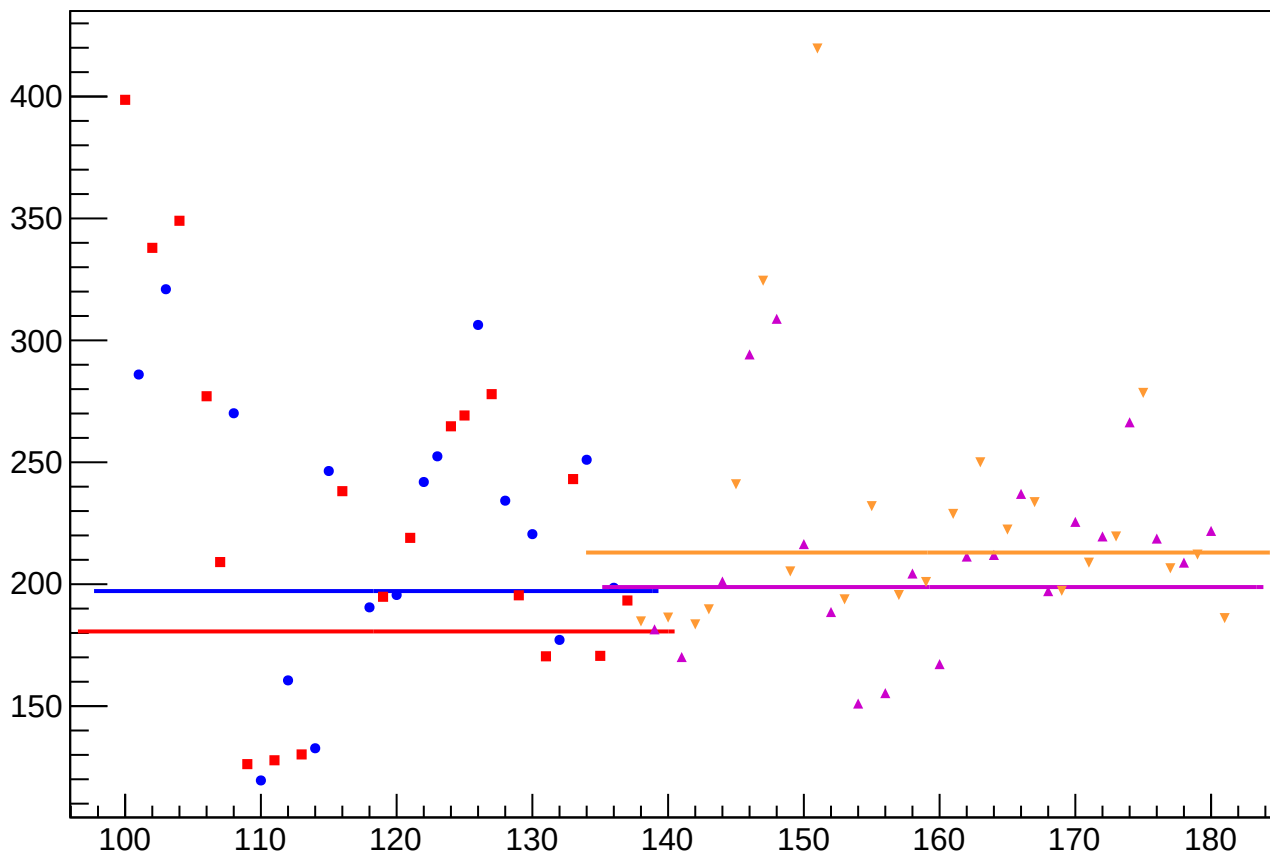
Left In: -378.779 ± 50.859 χ^2/NDF : 1228.5/20

+ sign 419.938 ± 43.836 χ^2/NDF : 2435.6/39

All: 227.984 ± 30.205 χ^2/NDF : 4538.4/79

- sign 54.476 ± 41.677 χ^2/NDF : 2066.3/39

asym_bpm0l08WS_rms vs Slug



Right In: 197.185 $\pm$ 0.057 χ^2 /NDF: 909929.0/16

Left Out: 212.988 $\pm$ 0.037 χ^2 /NDF: 916515.7/22

Right Out: 180.624 $\pm$ 0.051 χ^2 /NDF: 1341837.4/18

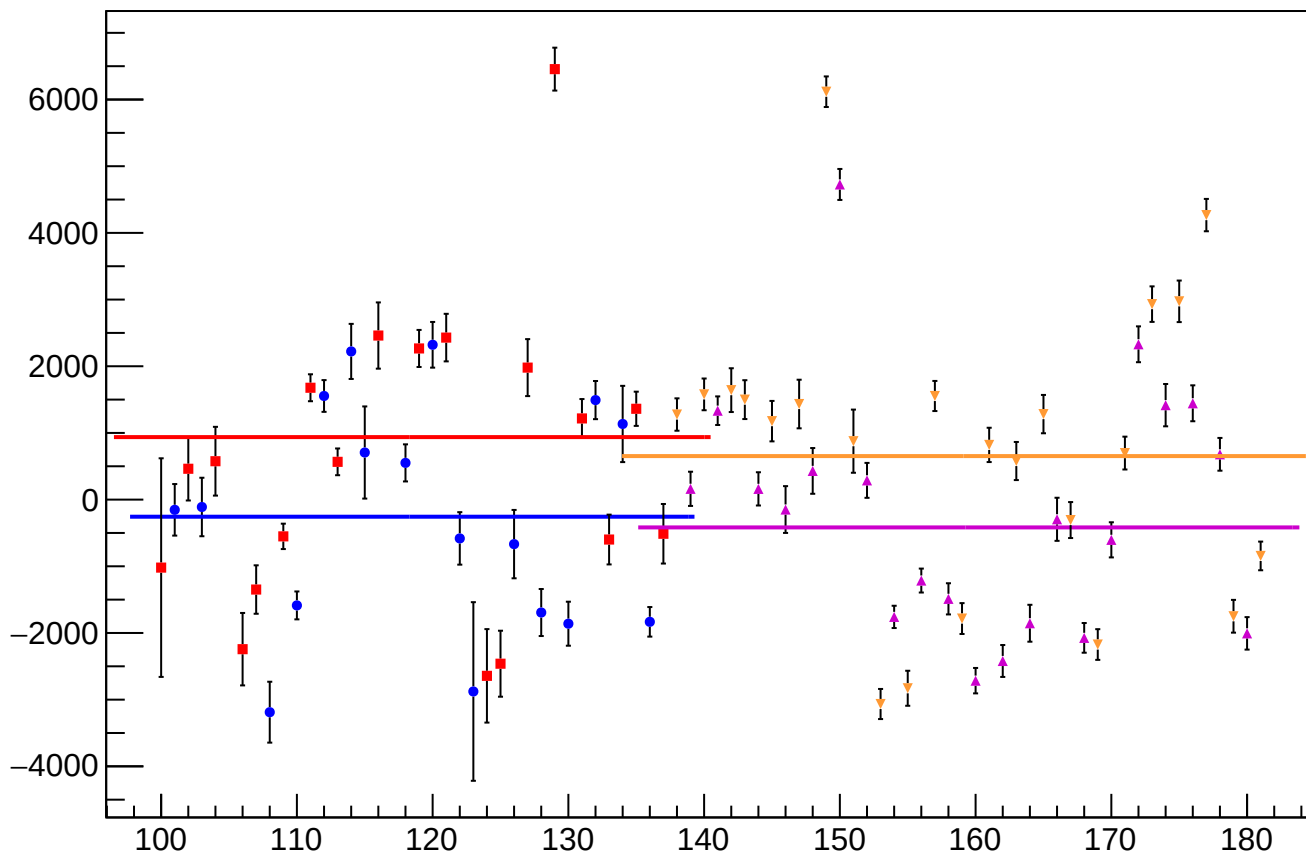
Left In: 198.832 $\pm$ 0.036 χ^2 /NDF: 984401.4/20

+ sign 208.285 $\pm$ 0.031 χ^2 /NDF: 1880776.6/39

All: 200.178 $\pm$ 0.021 χ^2 /NDF: 4421440.8/79

- sign 192.851 $\pm$ 0.029 χ^2 /NDF: 2410440.6/39

asym_bpm0l09WS_mean vs Slug



Right In: -256.429 ± 81.594 χ^2/NDF : 381.8/16

Left Out: 652.684 ± 54.383 χ^2/NDF : 1851.7/22

Right Out: 937.482 ± 74.168 χ^2/NDF : 609.1/18

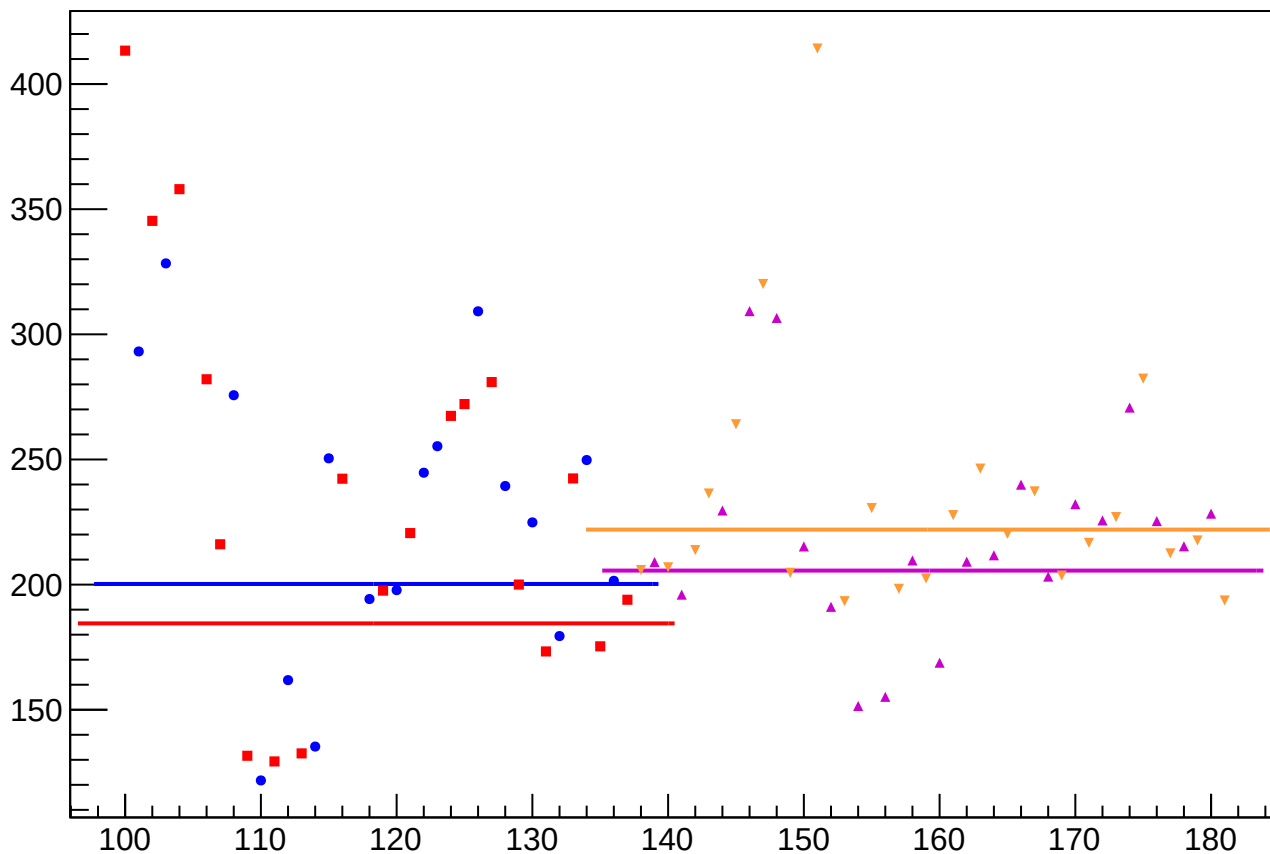
Left In: -416.953 ± 52.626 χ^2/NDF : 1232.4/20

+ sign 373.045 ± 45.253 χ^2/NDF : 2319.5/39

All: 195.928 ± 31.141 χ^2/NDF : 4411.9/79

- sign 36.604 ± 42.920 χ^2/NDF : 2063.3/39

asym_bpm0l09WS_rms vs Slug



Right In: 200.256 $\pm$ 0.058 χ^2 /NDF: 915910.1/16

Left Out: 221.983 $\pm$ 0.038 χ^2 /NDF: 767409.5/22

Right Out: 184.510 $\pm$ 0.052 χ^2 /NDF: 1314720.9/18

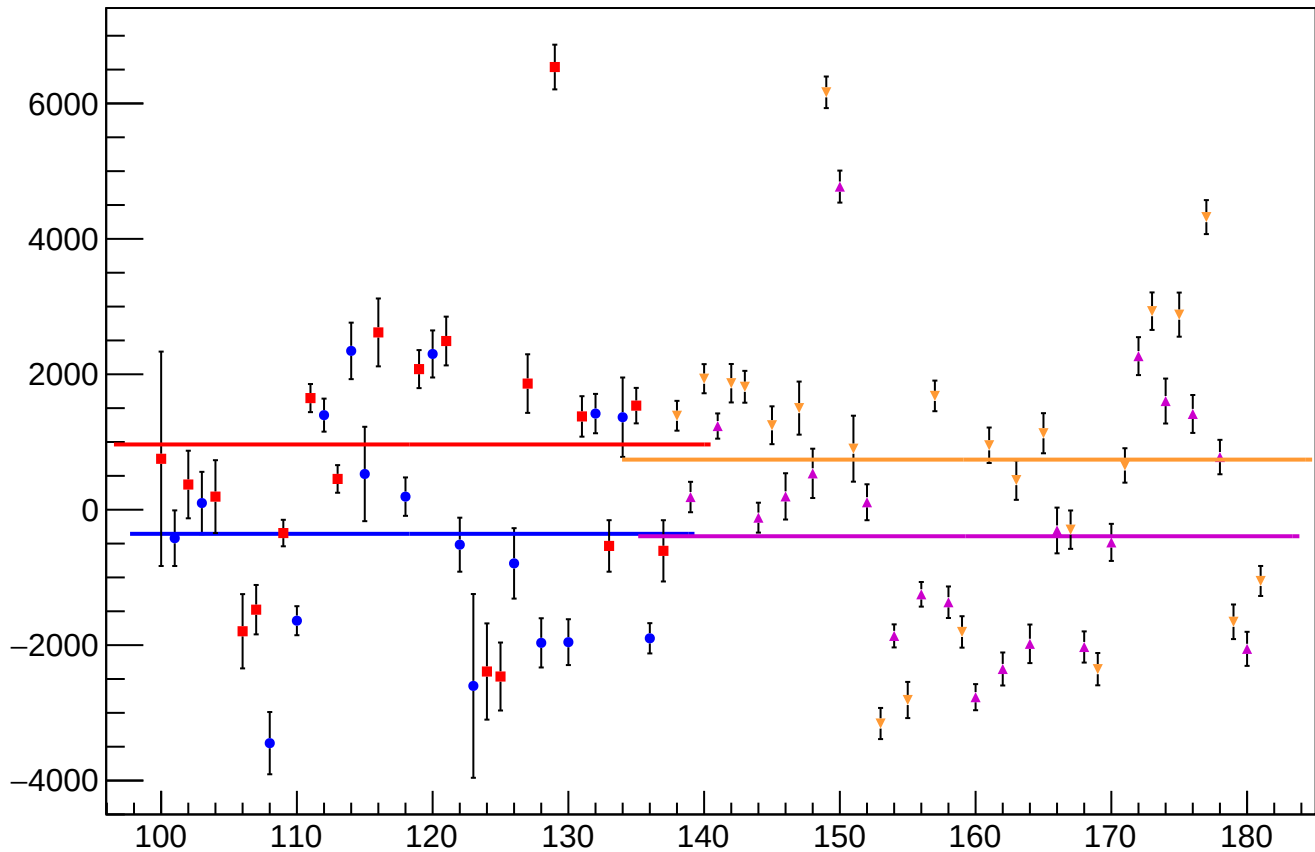
Left In: 205.609 $\pm$ 0.037 χ^2 /NDF: 994438.5/20

+ sign 215.300 $\pm$ 0.032 χ^2 /NDF: 1781517.9/39

All: 206.479 $\pm$ 0.022 χ^2 /NDF: 4342700.3/79

- sign 198.543 $\pm$ 0.030 χ^2 /NDF: 2416813.3/39

asym_bpm0l10WS_mean vs Slug



Right In: -356.124 ± 83.321 χ^2/NDF : 378.6/16

Left Out: 739.933 ± 54.001 χ^2/NDF : 1873.3/22

Right Out: 963.743 ± 75.713 χ^2/NDF : 572.4/18

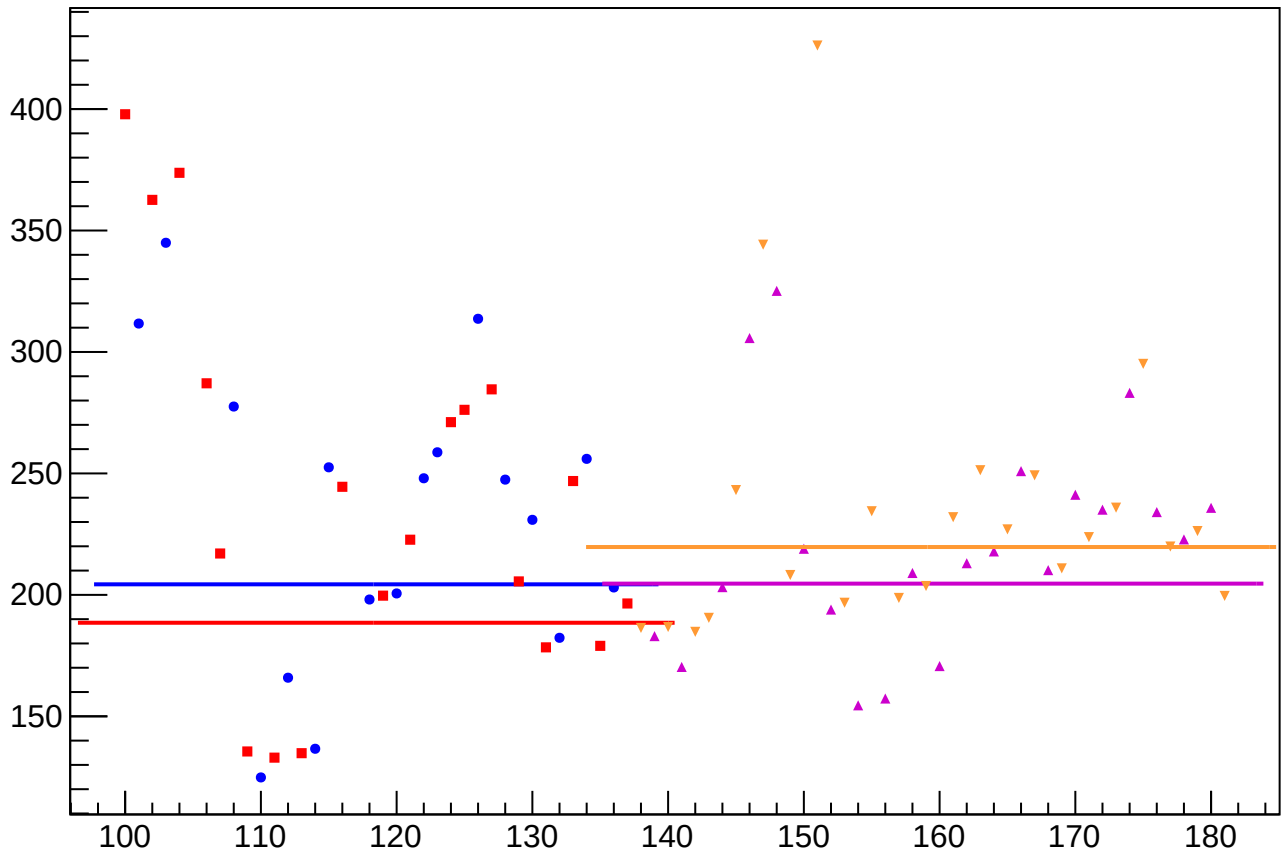
Left In: -391.736 ± 52.461 χ^2/NDF : 1220.4/20

+ sign 415.728 ± 45.316 χ^2/NDF : 2373.8/39

All: 222.717 ± 31.238 χ^2/NDF : 4417.6/79

- sign 47.945 ± 43.121 χ^2/NDF : 2009.3/39

asym_bpm0l10WS_rms vs Slug



Right In: 204.343 $\pm$ 0.059 χ^2 /NDF: 944923.9/16

Left Out: 219.699 $\pm$ 0.038 χ^2 /NDF: 972082.7/22

Right Out: 188.523 $\pm$ 0.054 χ^2 /NDF: 1311109.8/18

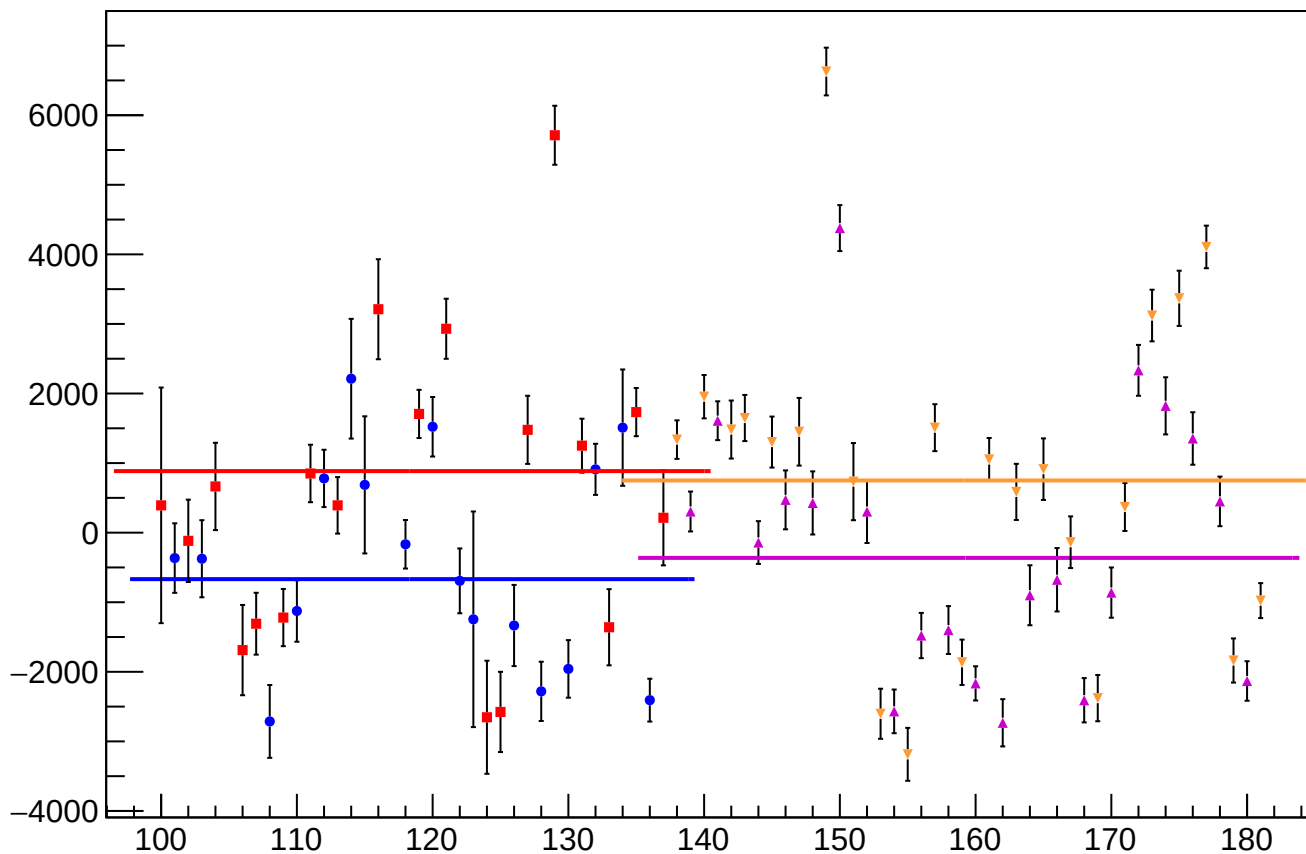
Left In: 204.630 $\pm$ 0.037 χ^2 /NDF: 1142066.1/20

+ sign 215.157 $\pm$ 0.032 χ^2 /NDF: 1964846.8/39

All: 206.890 $\pm$ 0.022 χ^2 /NDF: 4605984.1/79

- sign 199.405 $\pm$ 0.030 χ^2 /NDF: 2514326.1/39

asym_bpm0r03WS_mean vs Slug



Right In: -668.118 ± 114.189 χ^2/NDF : 153.3/16

Left Out: 750.454 ± 72.364 χ^2/NDF : 1006.3/22

Right Out: 884.858 ± 110.843 χ^2/NDF : 320.1/18

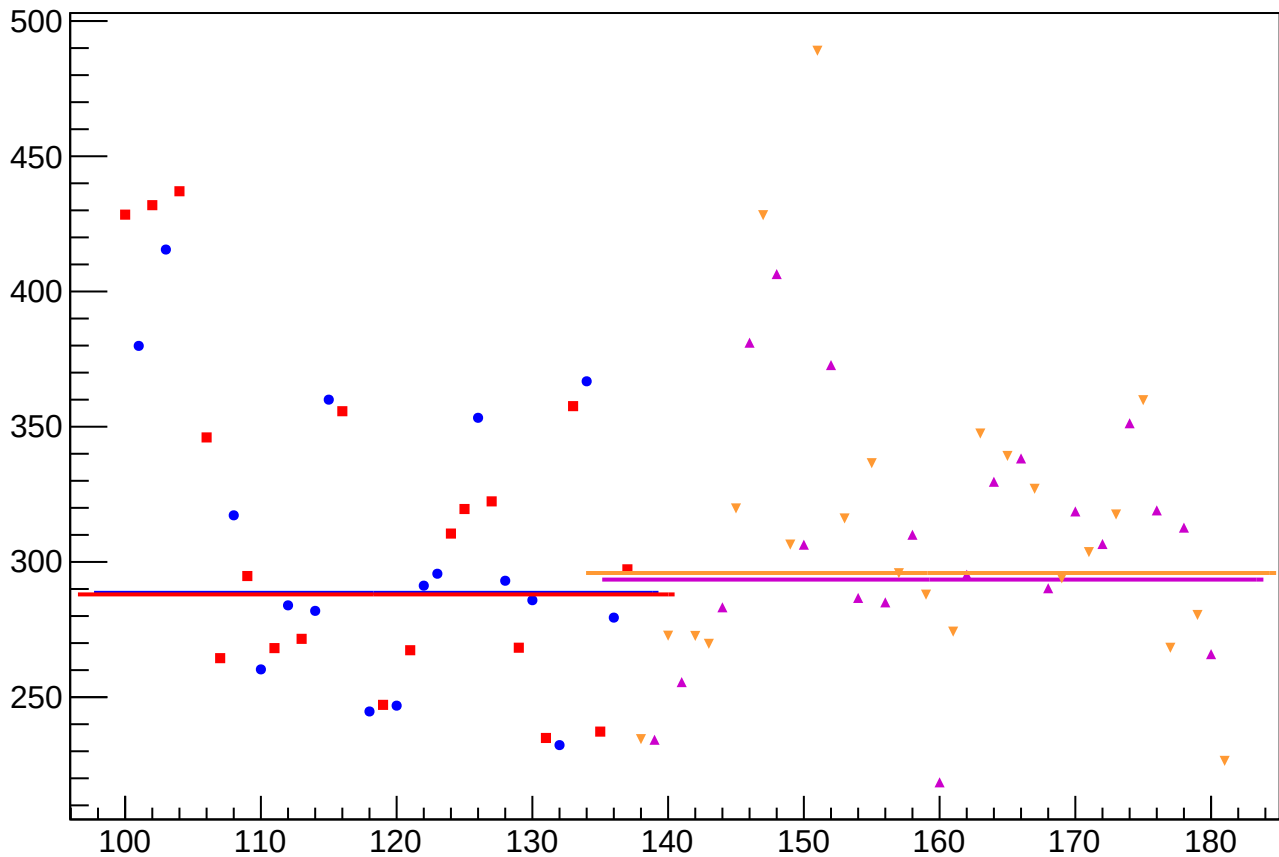
Left In: -362.455 ± 74.171 χ^2/NDF : 636.0/20

+ sign 343.991 ± 61.124 χ^2/NDF : 1269.8/39

All: 185.009 ± 43.403 χ^2/NDF : 2327.1/79

- sign 23.314 ± 61.643 χ^2/NDF : 1043.6/39

asym_bpm0r03WS_rms vs Slug



Right In: 288.577 $\pm$ 0.081 χ^2 /NDF: 338793.1/16

Left Out: 295.911 $\pm$ 0.051 χ^2 /NDF: 868578.7/22

Right Out: 287.995 $\pm$ 0.078 χ^2 /NDF: 459962.0/18

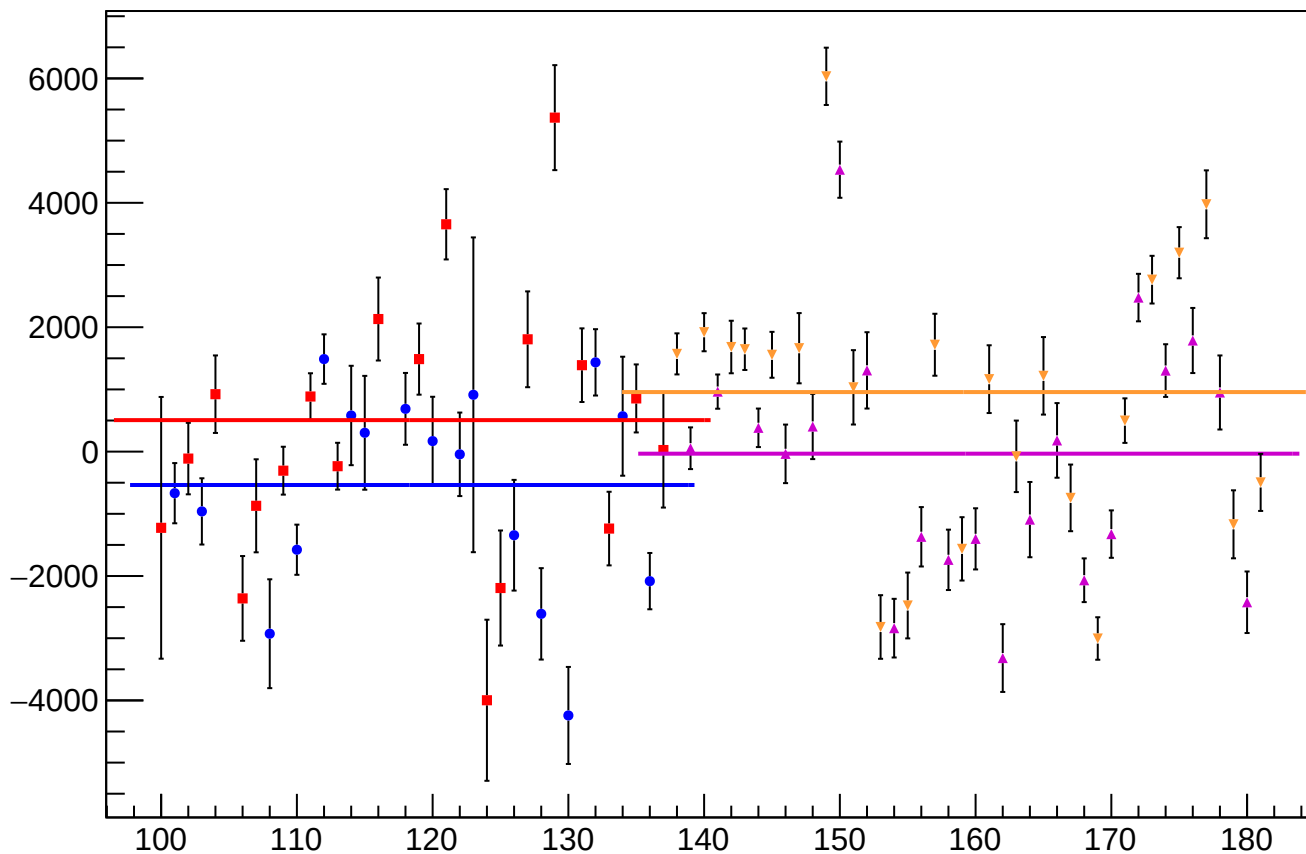
Left In: 293.471 $\pm$ 0.052 χ^2 /NDF: 710974.7/20

+ sign 293.810 $\pm$ 0.043 χ^2 /NDF: 1213259.0/39

All: 292.802 $\pm$ 0.031 χ^2 /NDF: 2388663.7/79

- sign 291.777 $\pm$ 0.044 χ^2 /NDF: 1174308.3/39

asym_bpm0r05WS_mean vs Slug



Right In: -536.568 ± 147.571 χ^2/NDF : 107.9/16

Left Out: 957.404 ± 91.025 χ^2/NDF : 527.1/22

Right Out: 506.373 ± 135.761 χ^2/NDF : 140.9/18

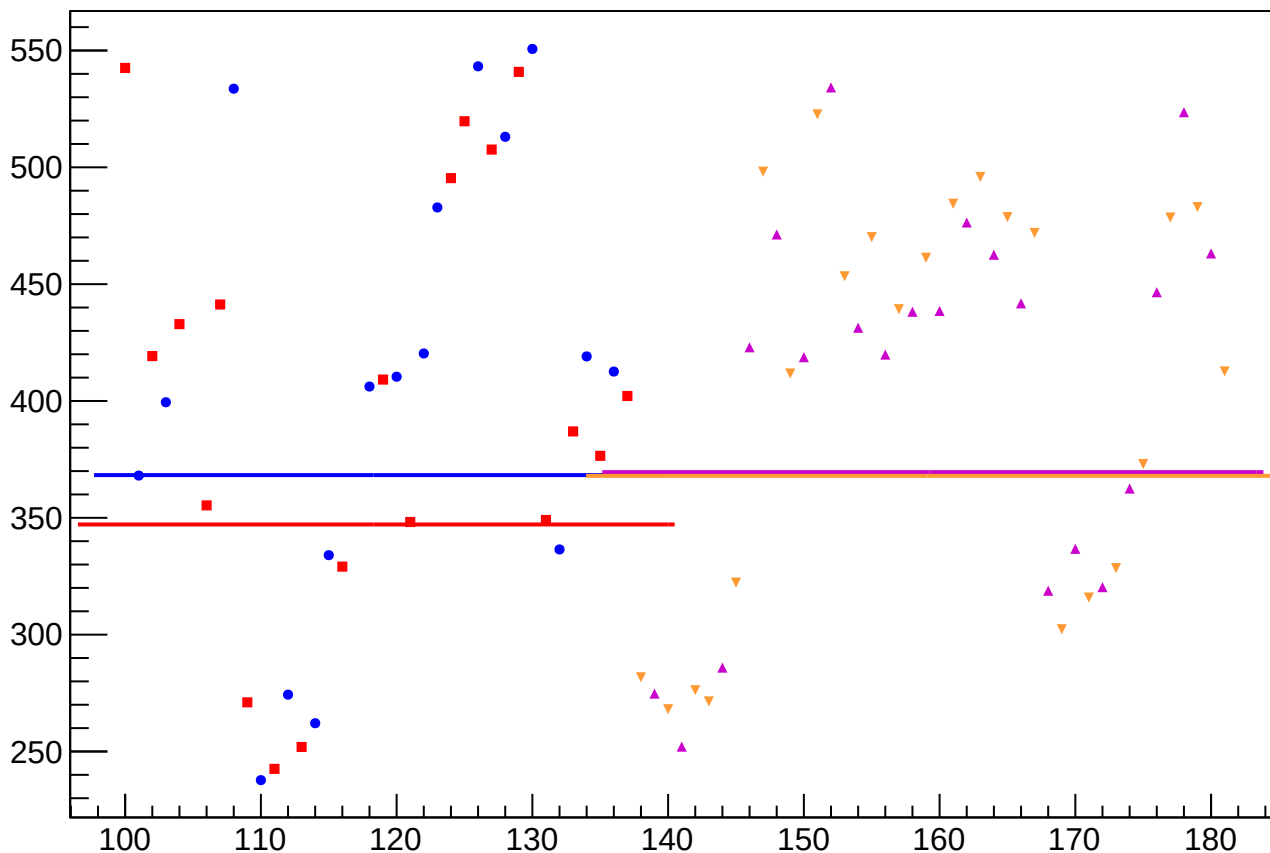
Left In: -33.163 ± 94.353 χ^2/NDF : 361.8/20

+ sign 545.652 ± 77.473 χ^2/NDF : 709.2/39

All: 344.123 ± 54.783 χ^2/NDF : 1236.1/79

- sign 142.562 ± 77.479 χ^2/NDF : 513.4/39

asym_bpm0r05WS_rms vs Slug



Right In: 368.287+/-0.104 χ^2/NDF : 765418.4/16

Left Out: 367.973+/-0.064 χ^2/NDF : 1794724.9/22

Right Out: 347.159+/-0.096 χ^2/NDF : 816304.3/18

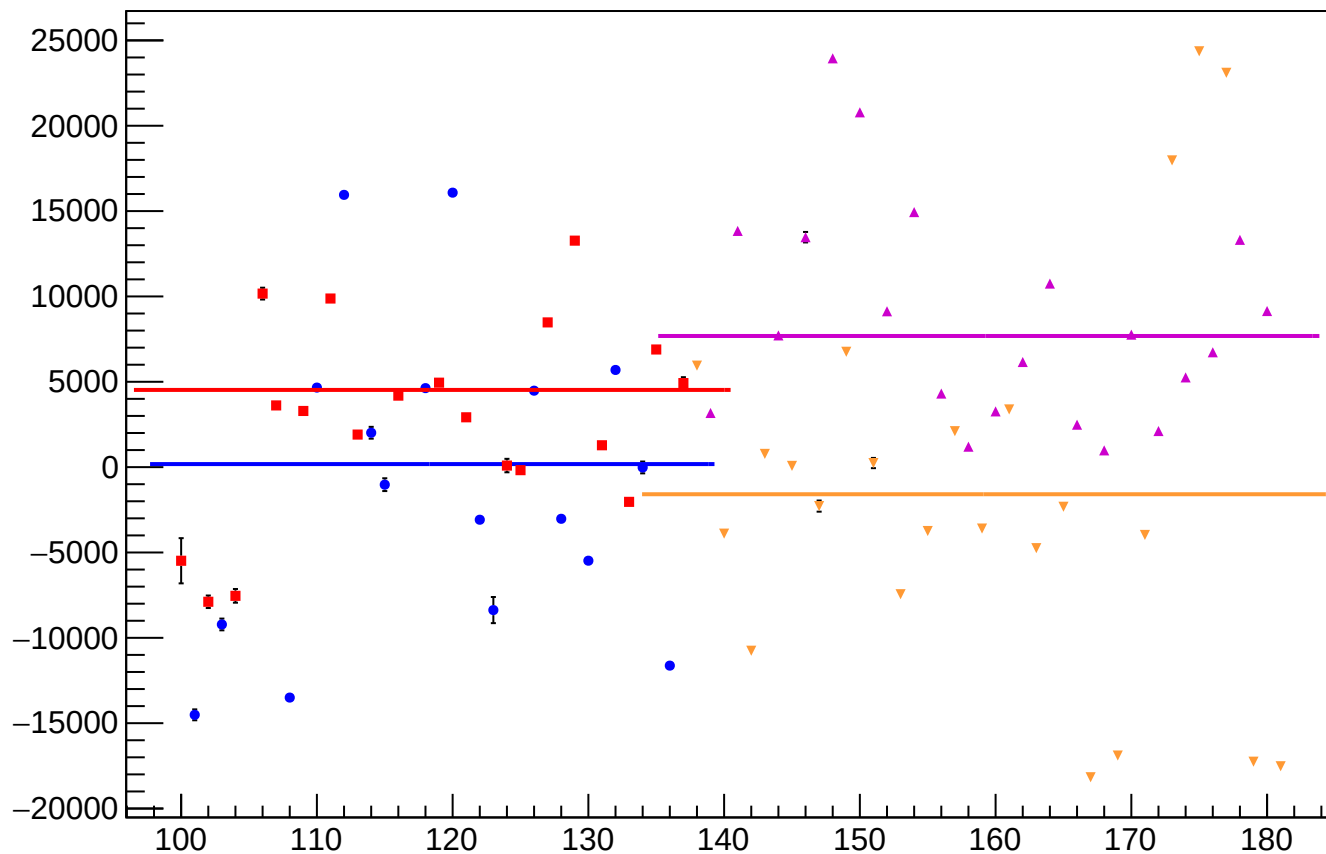
Left In: 369.545+/-0.067 χ^2/NDF : 1566950.7/20

+ sign 368.060+/-0.055 χ^2/NDF : 2560149.8/39

All: 365.157+/-0.039 χ^2/NDF : 4985690.7/79

- sign 362.254+/-0.055 χ^2/NDF : 2419925.1/39

asym_bpm0i02WS_mean vs Slug



Right In: 178.788 $\pm$ 54.896 χ^2 /NDF: 30662.2/16

Left Out: -1587.880 $\pm$ 43.094 χ^2 /NDF:60612.3/22

Right Out: 4523.222 $\pm$ 52.440 χ^2 /NDF: 7474.2/18

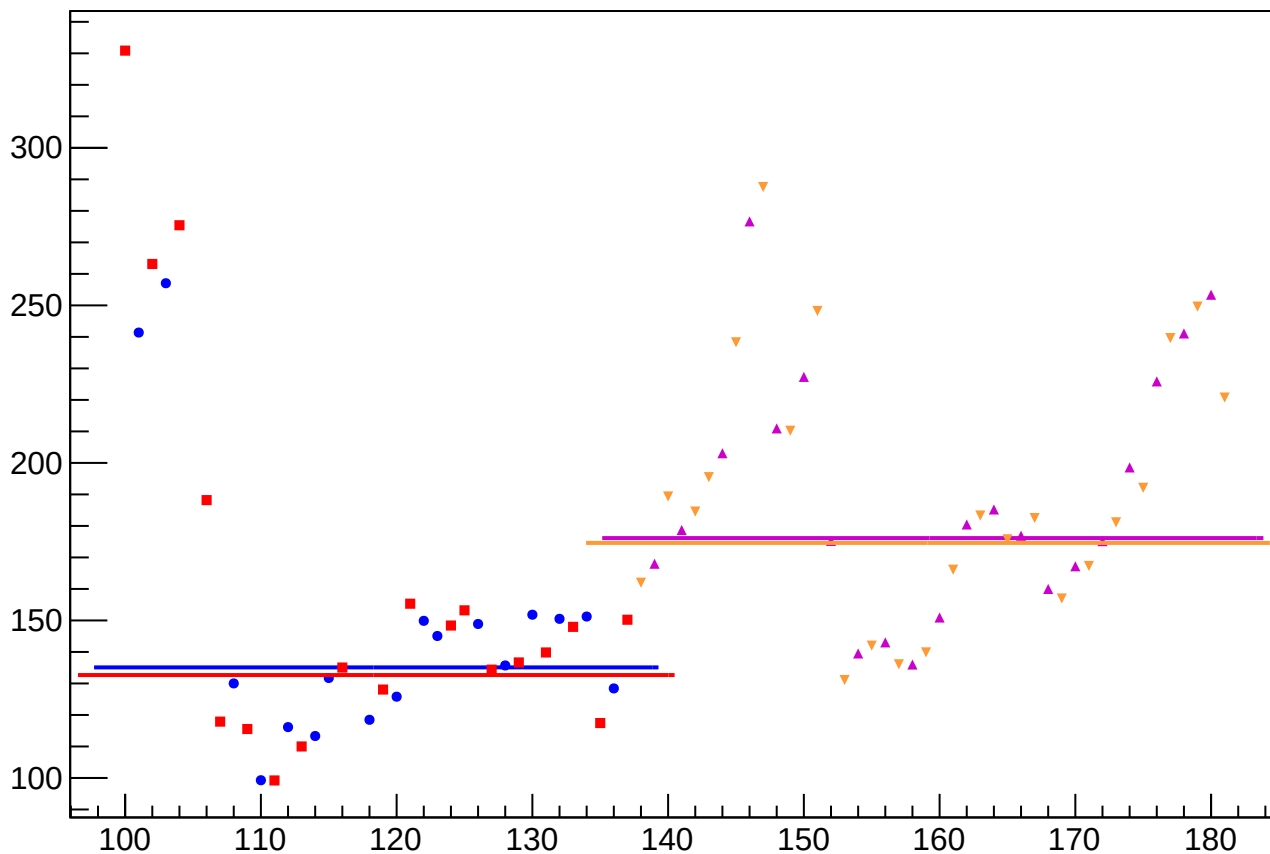
Left In: 7683.382 $\pm$ 45.082 χ^2 /NDF:17766.3/20

+ sign -914.285 $\pm$ 33.897 χ^2 /NDF: 91915.3/39

All: 2682.330 $\pm$ 24.070 χ^2 /NDF: 141952.1/79

- sign 6340.384 $\pm$ 34.186 χ^2 /NDF: 27328.7/39

asym_bpm0i02WS_rms vs Slug



Right In: 135.099 $\pm$ 0.039 χ^2 /NDF: 657657.4/16

Left Out: 174.610 $\pm$ 0.030 χ^2 /NDF: 1405215.3/22

Right Out: 132.672 $\pm$ 0.037 χ^2 /NDF: 828363.1/18

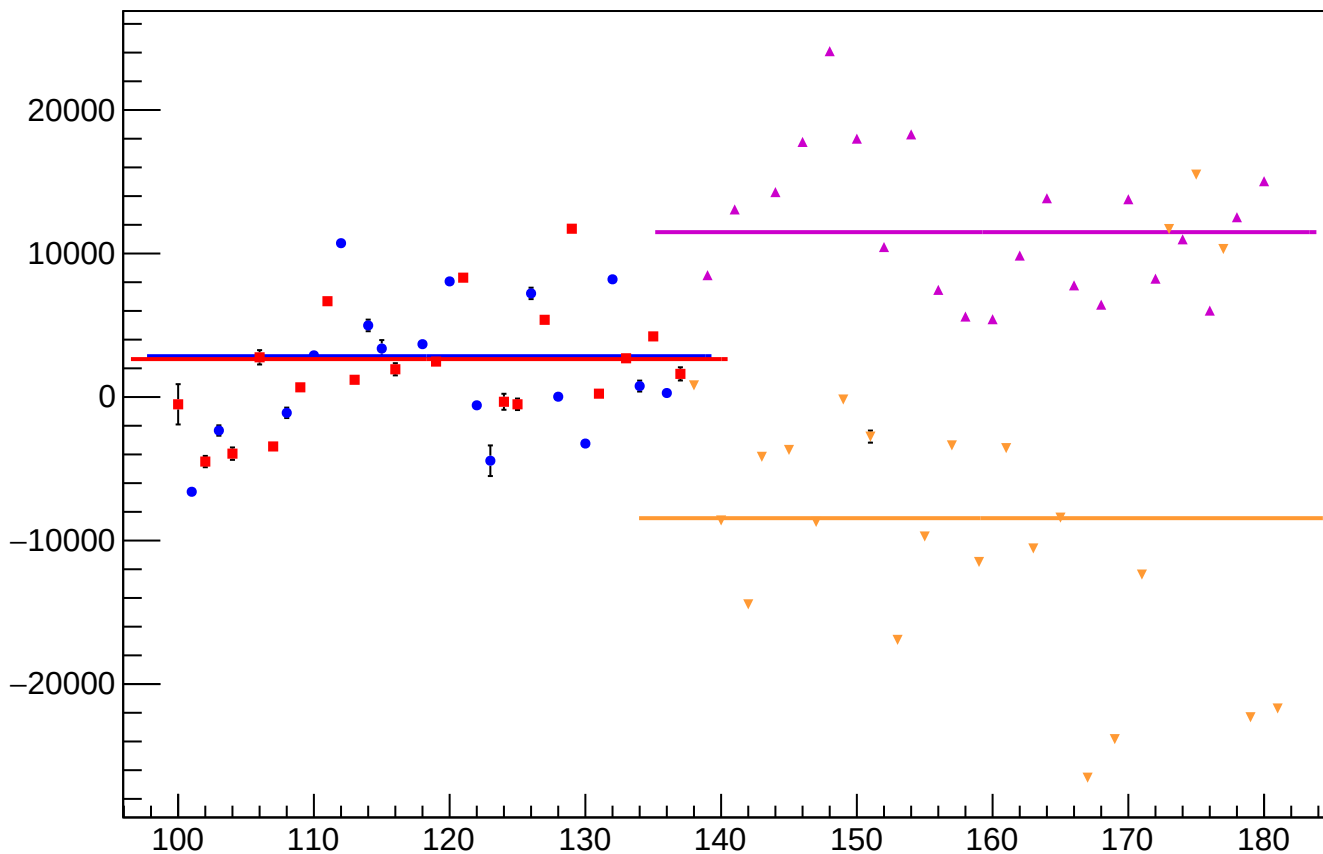
Left In: 176.141 $\pm$ 0.032 χ^2 /NDF: 1145624.0/20

+ sign 159.545 $\pm$ 0.024 χ^2 /NDF: 2703913.8/39

All: 158.614 $\pm$ 0.017 χ^2 /NDF: 5471164.9/79

- sign 157.668 $\pm$ 0.024 χ^2 /NDF: 2764208.9/39

asym_bpm0i02aWS_mean vs Slug



Right In: 2846.117+/-70.894 χ^2/NDF : 4160.1/16

Left Out: -8440.454+/-46.910 χ^2/NDF : 53871.1/22

Right Out: 2643.505+/-65.711 χ^2/NDF : 3177.7/18

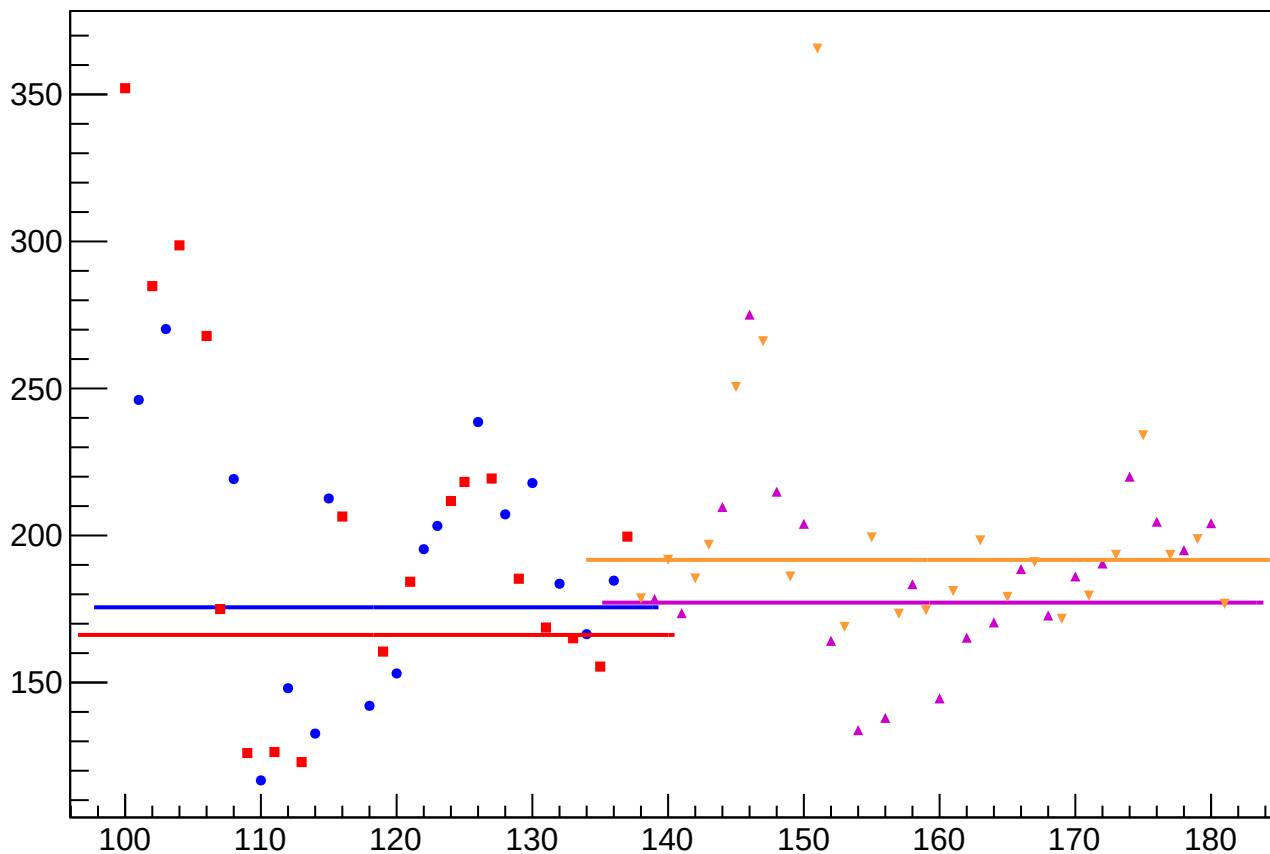
Left In: 11489.213+/-45.217 χ^2/NDF : 11603.3/20

+ sign -5003.566+/-39.121 χ^2/NDF : 75658.9/39

All: 2155.811+/-26.977 χ^2/NDF : 166592.5/79

- sign 8646.668+/-37.250 χ^2/NDF : 27079.0/39

asym_bpm0i02aWS_rms vs Slug



Right In: 175.582 $\pm$ 0.050 χ^2 /NDF: 687852.4/16

Left Out: 191.702 $\pm$ 0.033 χ^2 /NDF: 724979.8/22

Right Out: 166.180 $\pm$ 0.046 χ^2 /NDF: 925559.0/18

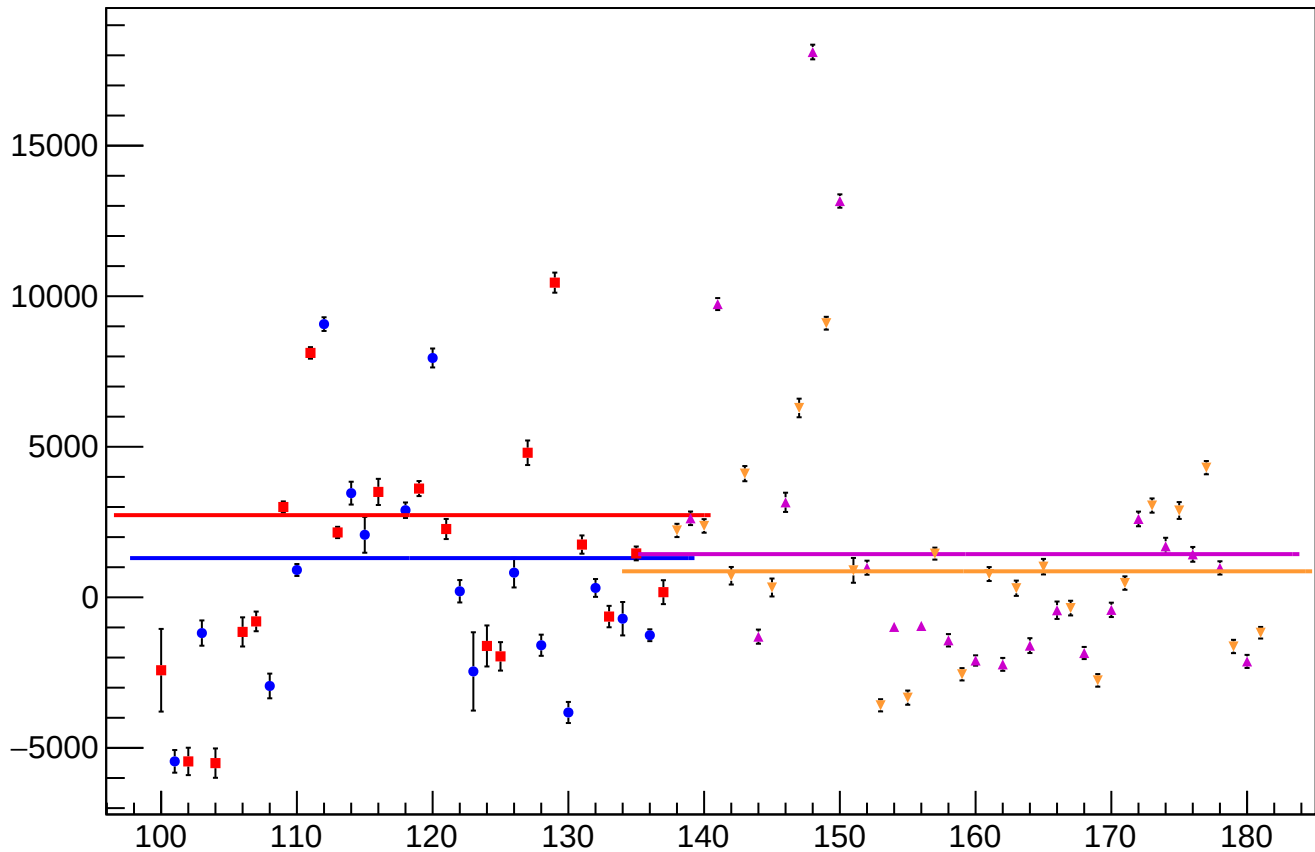
Left In: 177.174 $\pm$ 0.032 χ^2 /NDF: 855090.3/20

+ sign 186.793 $\pm$ 0.028 χ^2 /NDF: 1484750.3/39

All: 179.895 $\pm$ 0.019 χ^2 /NDF: 3421952.9/79

- sign 173.641 $\pm$ 0.026 χ^2 /NDF: 1818640.4/39

asym_bpm0i05WS_mean vs Slug



Right In: 1302.950 ± 77.323 χ^2/NDF : 2649.9/16

Left Out: 864.423 ± 49.044 χ^2/NDF : 4090.0/22

Right Out: 2729.355 ± 70.012 χ^2/NDF : 2497.2/18

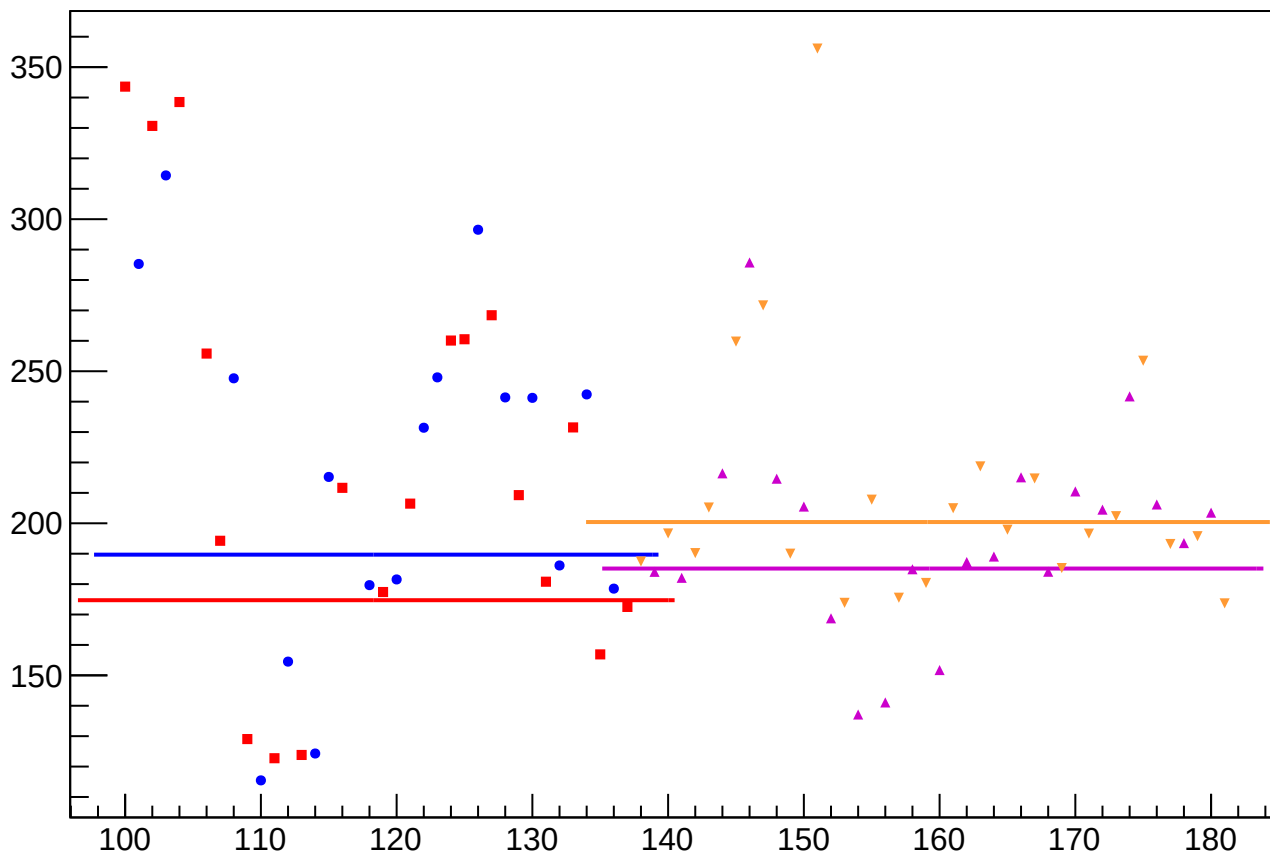
Left In: 1434.946 ± 47.299 χ^2/NDF : 11595.1/20

+ sign 990.230 ± 41.416 χ^2/NDF : 6762.8/39

All: 1438.840 ± 28.467 χ^2/NDF : 21312.2/79

- sign 1840.589 ± 39.193 χ^2/NDF : 14327.0/39

asym_bpm0i05WS_rms vs Slug



Right In: 189.687 $\pm$ 0.055 χ^2 /NDF: 977199.2/16

Left Out: 200.411 $\pm$ 0.035 χ^2 /NDF: 715827.8/22

Right Out: 174.707 $\pm$ 0.050 χ^2 /NDF: 1291115.5/18

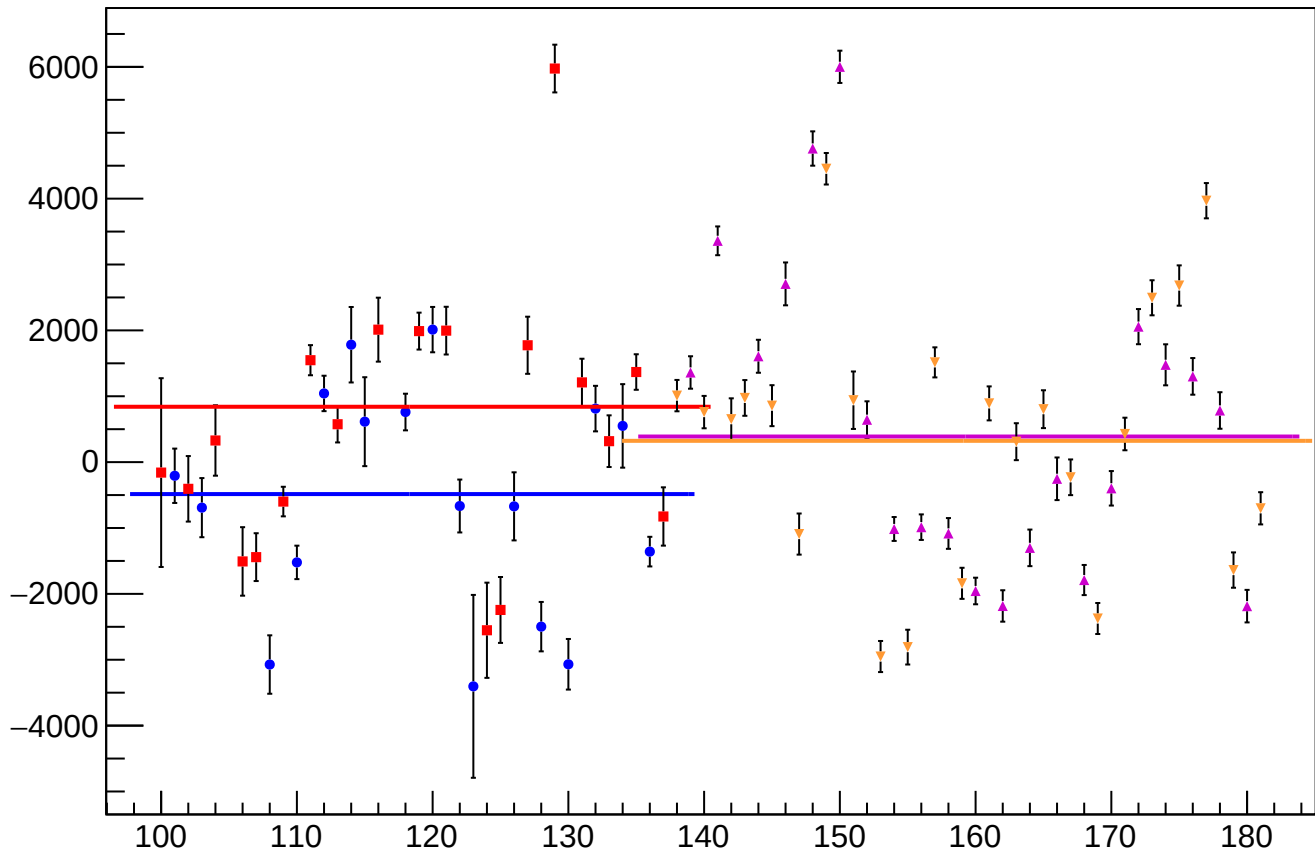
Left In: 185.117 $\pm$ 0.033 χ^2 /NDF: 882704.7/20

+ sign 197.334 $\pm$ 0.029 χ^2 /NDF: 1720461.7/39

All: 189.168 $\pm$ 0.020 χ^2 /NDF: 4072048.7/79

- sign 181.854 $\pm$ 0.028 χ^2 /NDF: 2204179.8/39

asym_bpm0i07WS_mean vs Slug



Right In: -485.036+/-88.788 χ^2/NDF : 285.3/16

Left Out: 323.339+/-55.229 χ^2/NDF :1312.2/22

Right Out: 840.594+/-82.233 χ^2/NDF : 438.2/18

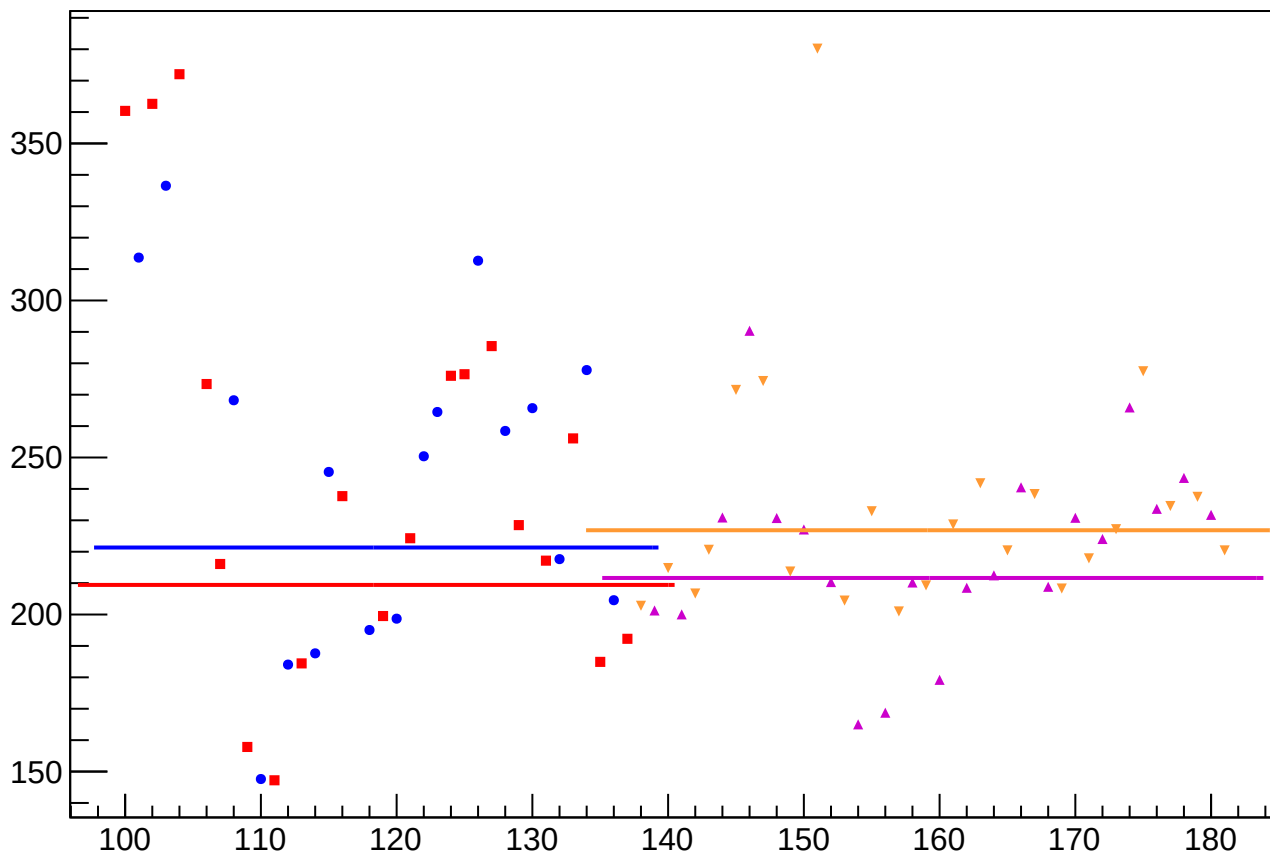
Left In: 388.764+/-53.656 χ^2/NDF :1797.0/20

+ sign 97.822+/-46.896 χ^2/NDF : 1657.2/39

All: 319.839+/-32.446 χ^2/NDF : 3956.6/79

- sign 523.687+/-44.937 χ^2/NDF : 2256.4/39

asym_bpm0i07WS_rms vs Slug



Right In: 221.339 $\pm$ 0.063 χ^2 /NDF: 645507.4/16

Left Out: 226.836 $\pm$ 0.039 χ^2 /NDF: 517293.9/22

Right Out: 209.428 $\pm$ 0.058 χ^2 /NDF: 879292.0/18

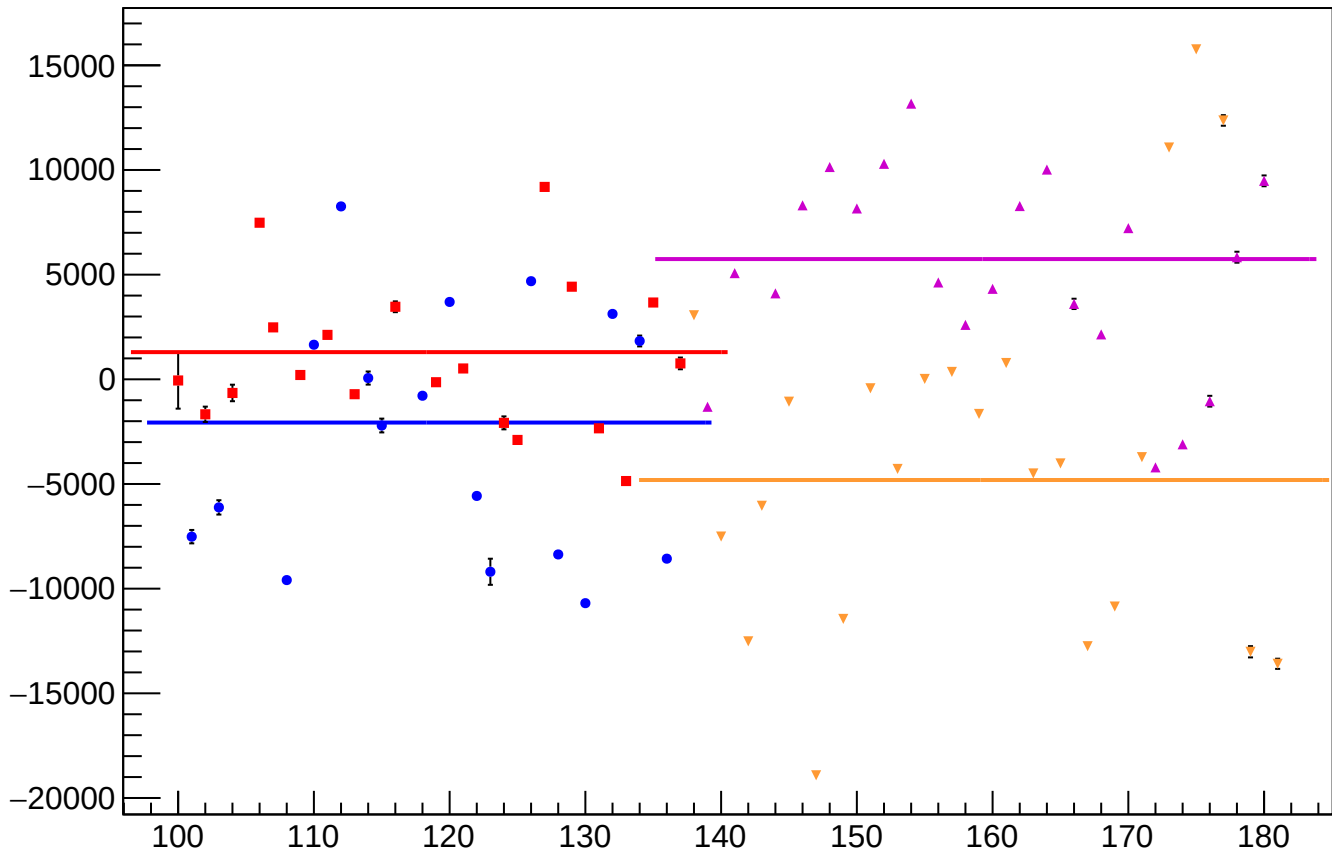
Left In: 211.642 $\pm$ 0.038 χ^2 /NDF: 582988.2/20

+ sign 225.302 $\pm$ 0.033 χ^2 /NDF: 1168328.1/39

All: 217.836 $\pm$ 0.023 χ^2 /NDF: 2728865.2/79

- sign 210.981 $\pm$ 0.032 χ^2 /NDF: 1463296.9/39

asym_bpm1i02WS_mean vs Slug



Right In: -2065.524 ± 47.407 $\chi^2/\text{NDF}: 16535.7/16$

Left Out: -4809.676 ± 34.168 $\chi^2/\text{NDF}: 51757.6/22$

Right Out: 1298.632 ± 44.980 $\chi^2/\text{NDF}: 5909.5/18$

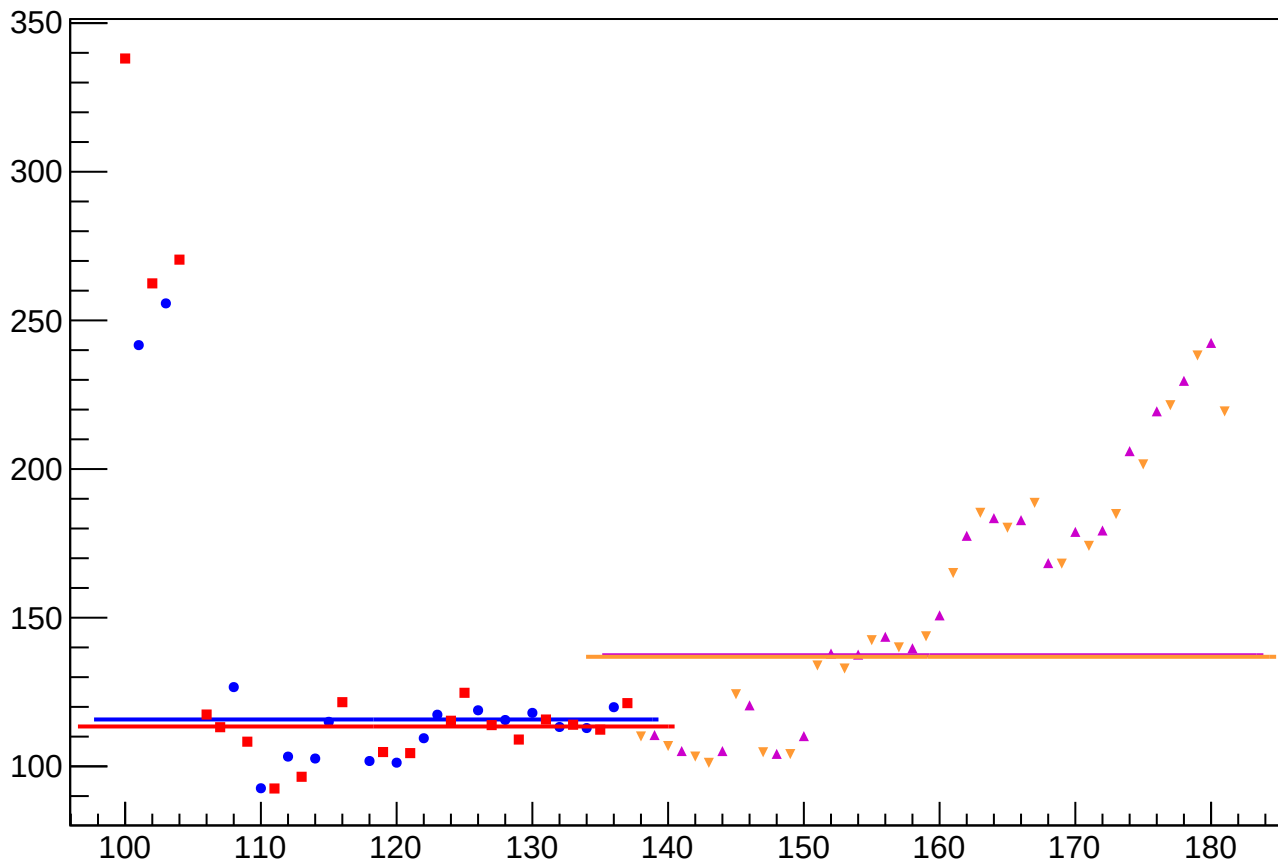
Left In: 5744.333 ± 35.415 $\chi^2/\text{NDF}: 14303.9/20$

+ sign -3871.521 ± 27.719 $\chi^2/\text{NDF}: 70498.4/39$

All: 70.521 ± 19.638 $\chi^2/\text{NDF}: 137348.9/79$

- sign 4043.013 ± 27.826 $\chi^2/\text{NDF}: 26243.7/39$

asym_bpm1i02WS_rms vs Slug



Right In: 115.768+/-0.034 χ^2/NDF : 743657.8/16

Left Out: 136.850+/-0.024 χ^2/NDF :2241155.4/22

Right Out: 113.410+/-0.032 χ^2/NDF : 795303.3/18

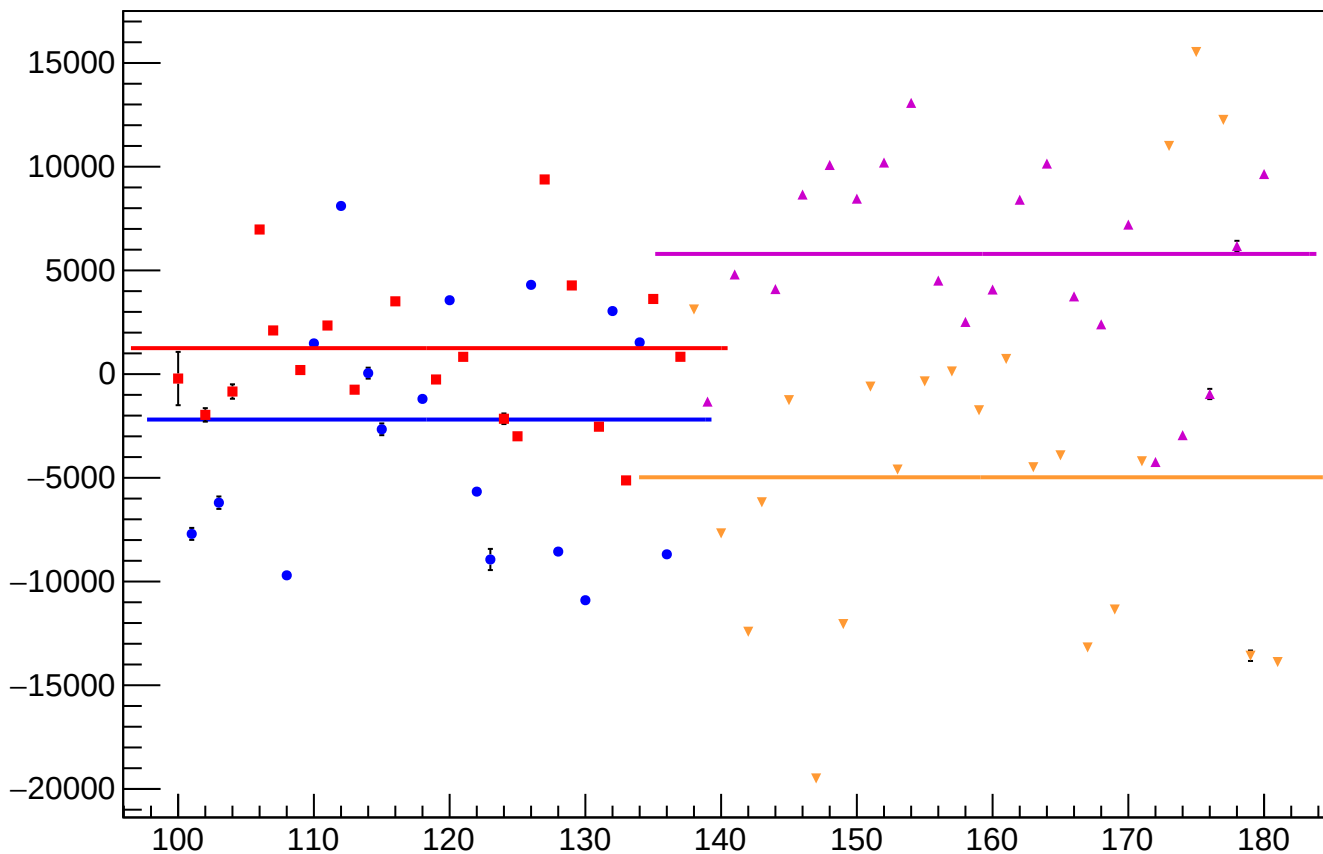
Left In: 137.366+/-0.025 χ^2/NDF :2080851.7/20

+ sign 129.643+/-0.020 χ^2/NDF : 3245133.1/39

All: 128.923+/-0.014 χ^2/NDF : 6474203.4/79

- sign 128.199+/-0.020 χ^2/NDF : 3226366.3/39

asym_bpm1i04WS_mean vs Slug



Right In: -2190.242 ± 40.008 χ^2/NDF : 22811.0/16

Left Out: -4973.647 ± 31.036 χ^2/NDF : 61120.5/22

Right Out: 1252.225 ± 38.029 χ^2/NDF : 8581.9/18

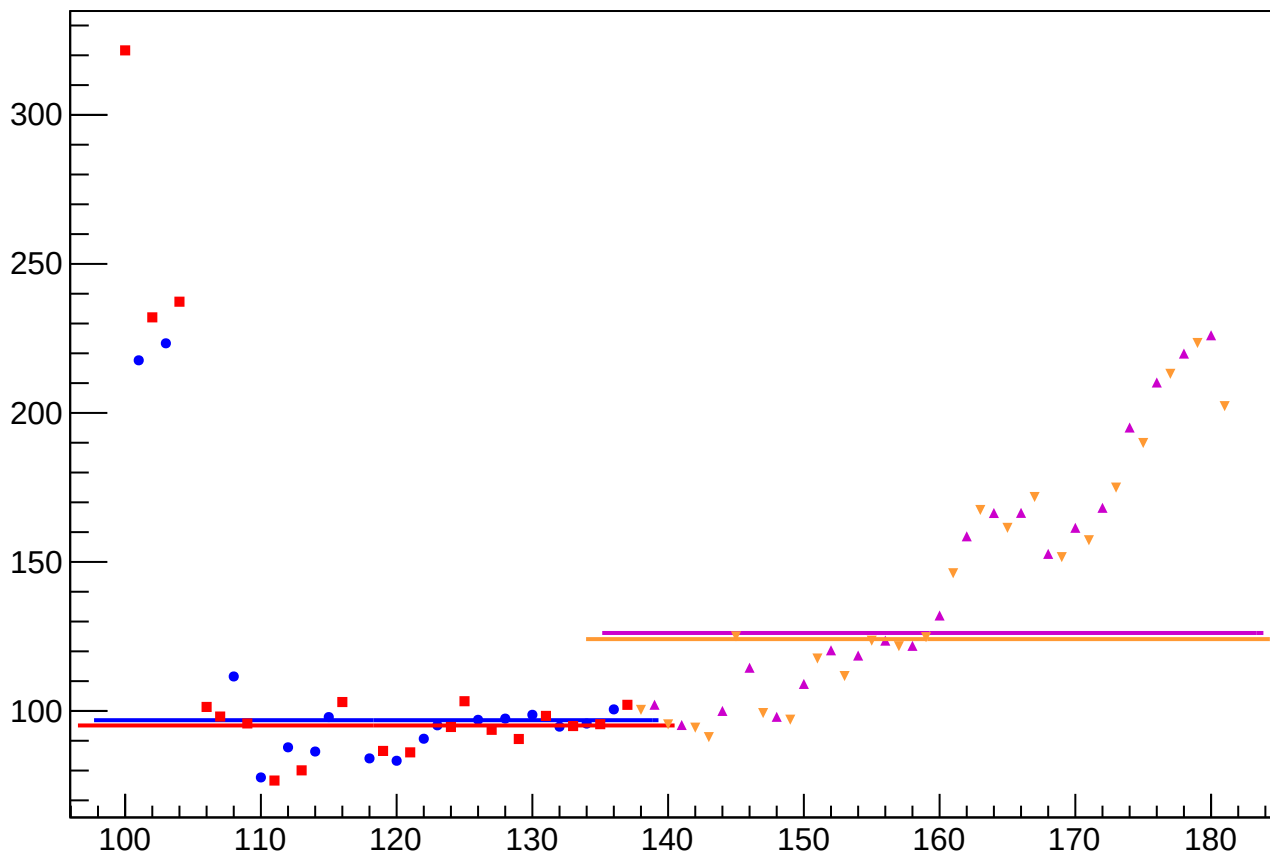
Left In: 5794.955 ± 32.515 χ^2/NDF : 17154.1/20

+ sign -3927.944 ± 24.523 χ^2/NDF : 86953.2/39

All: -55.952 ± 17.407 χ^2/NDF : 171183.4/79

- sign 3876.486 ± 24.713 χ^2/NDF : 33979.3/39

asym_bpm1i04WS_rms vs Slug



Right In: 96.898+/-0.028 χ^2/NDF : 817255.1/16

Left Out: 124.104+/-0.022 χ^2/NDF : 2284692.0/22

Right Out: 95.130+/-0.027 χ^2/NDF : 858457.3/18

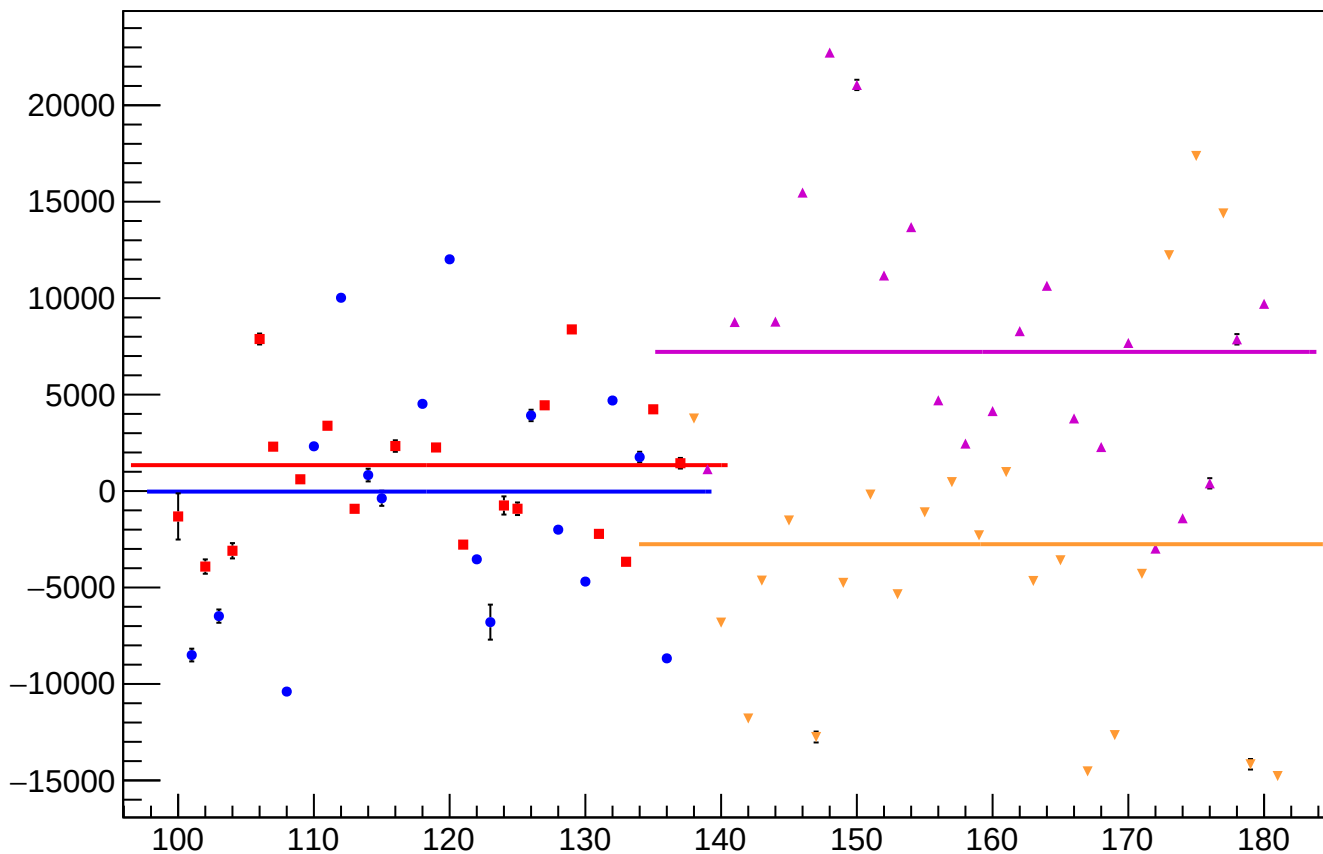
Left In: 126.163+/-0.023 χ^2/NDF : 2008455.5/20

+ sign 113.883+/-0.017 χ^2/NDF : 3679308.8/39

All: 113.473+/-0.012 χ^2/NDF : 7316768.7/79

- sign 113.057+/-0.017 χ^2/NDF : 3636334.8/39

asym_bpm1i06WS_mean vs Slug



Right In: -27.457 ± 54.732 $\chi^2/\text{NDF}: 16364.6/16$

Left Out: -2754.920 ± 41.316 $\chi^2/\text{NDF}: 32782.6/22$

Right Out: 1343.122 ± 52.343 $\chi^2/\text{NDF}: 3846.7/18$

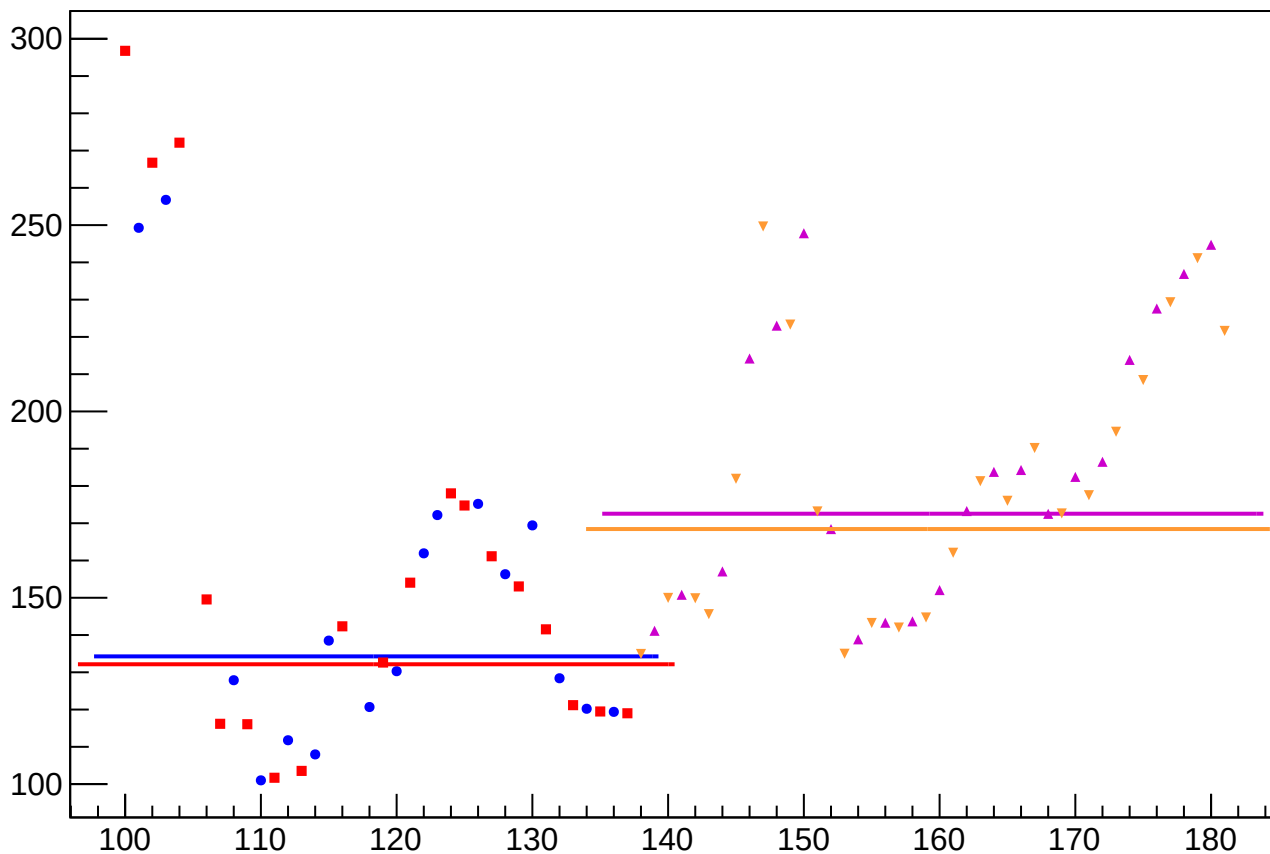
Left In: 7214.647 ± 43.814 $\chi^2/\text{NDF}: 17822.2/20$

+ sign -1764.873 ± 32.975 $\chi^2/\text{NDF}: 50729.1/39$

All: 1454.113 ± 23.534 $\chi^2/\text{NDF}: 99218.1/79$

- sign 4795.644 ± 33.597 $\chi^2/\text{NDF}: 29067.8/39$

asym_bpm1i06WS_rms vs Slug



Right In: 134.270 ± 0.039 χ^2/NDF : 787098.5/16

Left Out: 168.442 ± 0.029 χ^2/NDF : 1140327.7/22

Right Out: 132.155 ± 0.037 χ^2/NDF : 865020.1/18

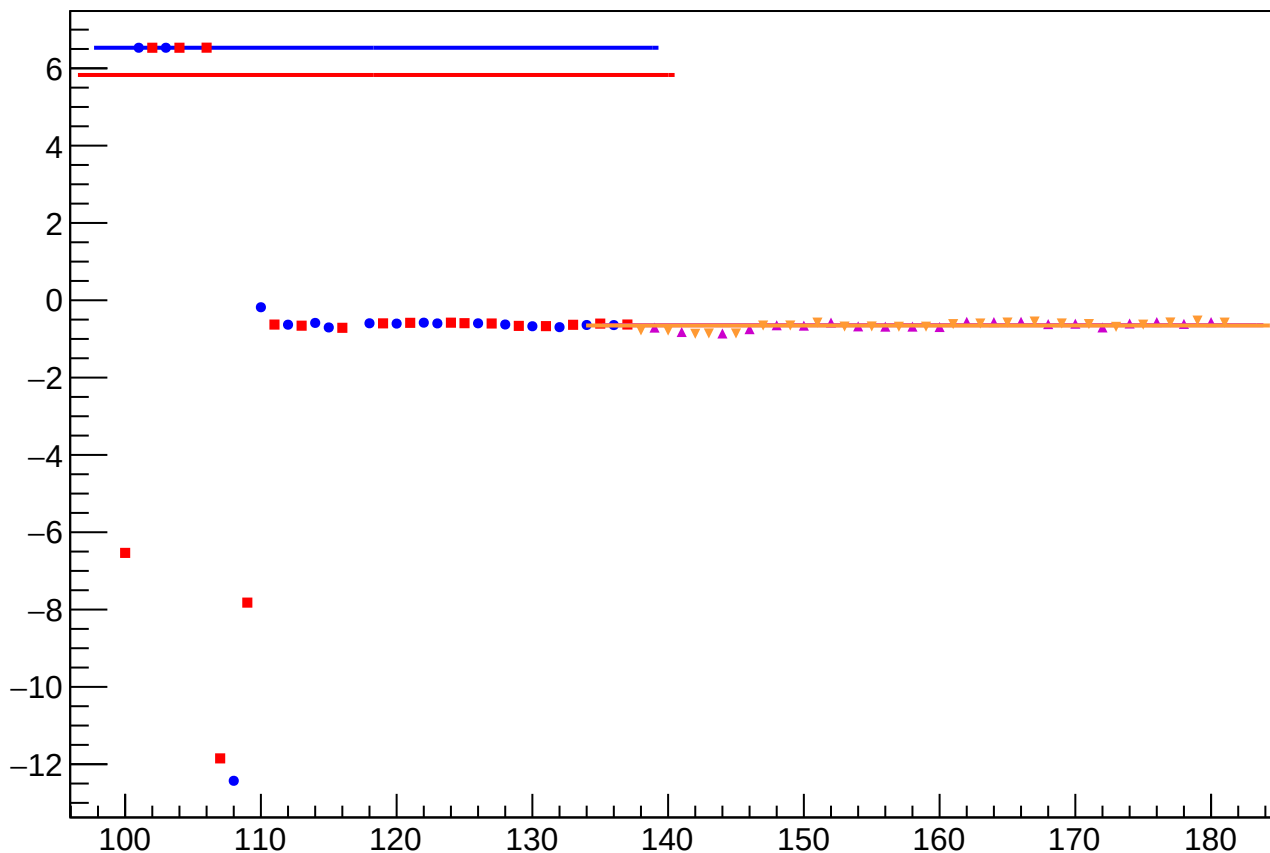
Left In: 172.554 ± 0.031 χ^2/NDF : 1099859.0/20

+ sign 156.038 ± 0.023 χ^2/NDF : 2424062.1/39

All: 155.975 ± 0.017 χ^2/NDF : 5089515.0/79

- sign 155.910 ± 0.024 χ^2/NDF : 2665438.0/39

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127565119308.7/16

Left Out: -0.652 $\pm$ 0.000 χ^2 /NDF: 170982069.9/22

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755947318870738.2/18

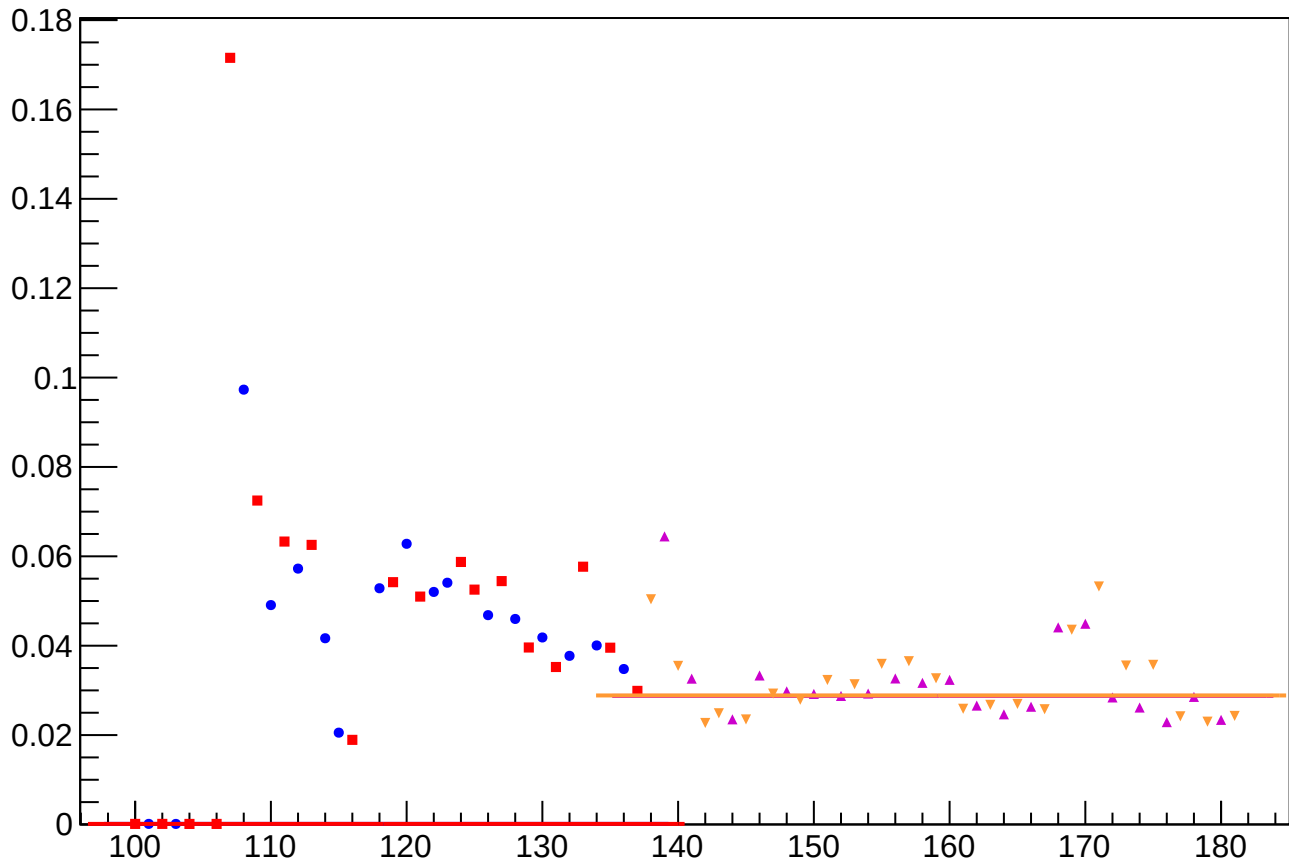
Left In: -0.645 $\pm$ 0.000 χ^2 /NDF: 122461691.9/20

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 968868785468.6/39

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77754651262923

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756593418622228.1/18

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9008104.3/16

Left Out: 0.029+/-0.000 χ^2/NDF :1298685.1/22

Right Out: 0.000+/-0.000 χ^2/NDF : 9347467.6/18

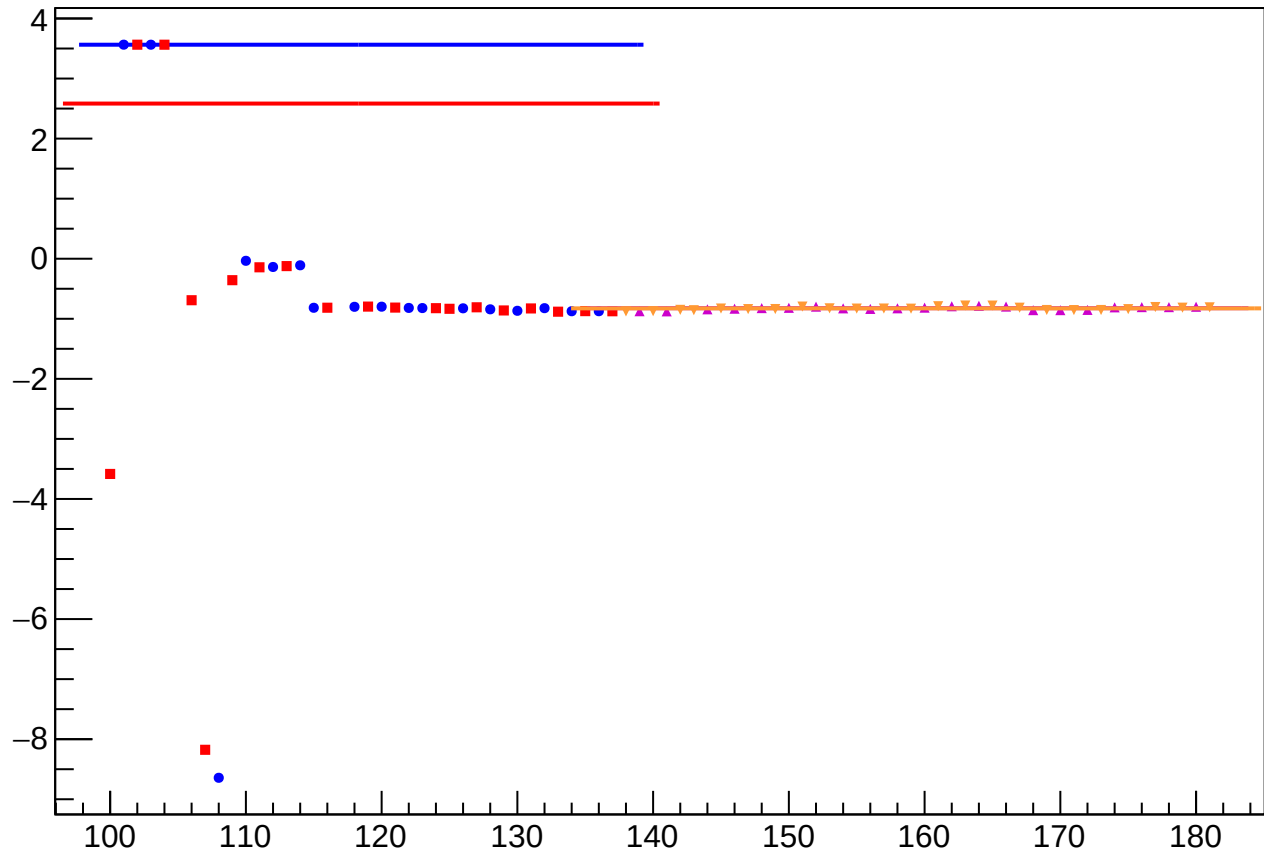
Left In: 0.029+/-0.000 χ^2/NDF :1101299.5/20

+ sign 0.000+/-0.000 χ^2/NDF : 37234004.1/39

All: 0.000+/-0.000 χ^2/NDF : 72977567.1/79

- sign 0.000+/-0.000 χ^2/NDF : 35742890.3/39

yield_cav4bY_mean vs Slug



Right In: 3.563 $\pm$ 0.000 χ^2 /NDF: 485019512048.0/16

Left Out: -0.827 $\pm$ 0.000 χ^2 /NDF: 160140047.7/22

Right Out: 2.583 $\pm$ 0.000 χ^2 /NDF: 1253504623679499.2/18

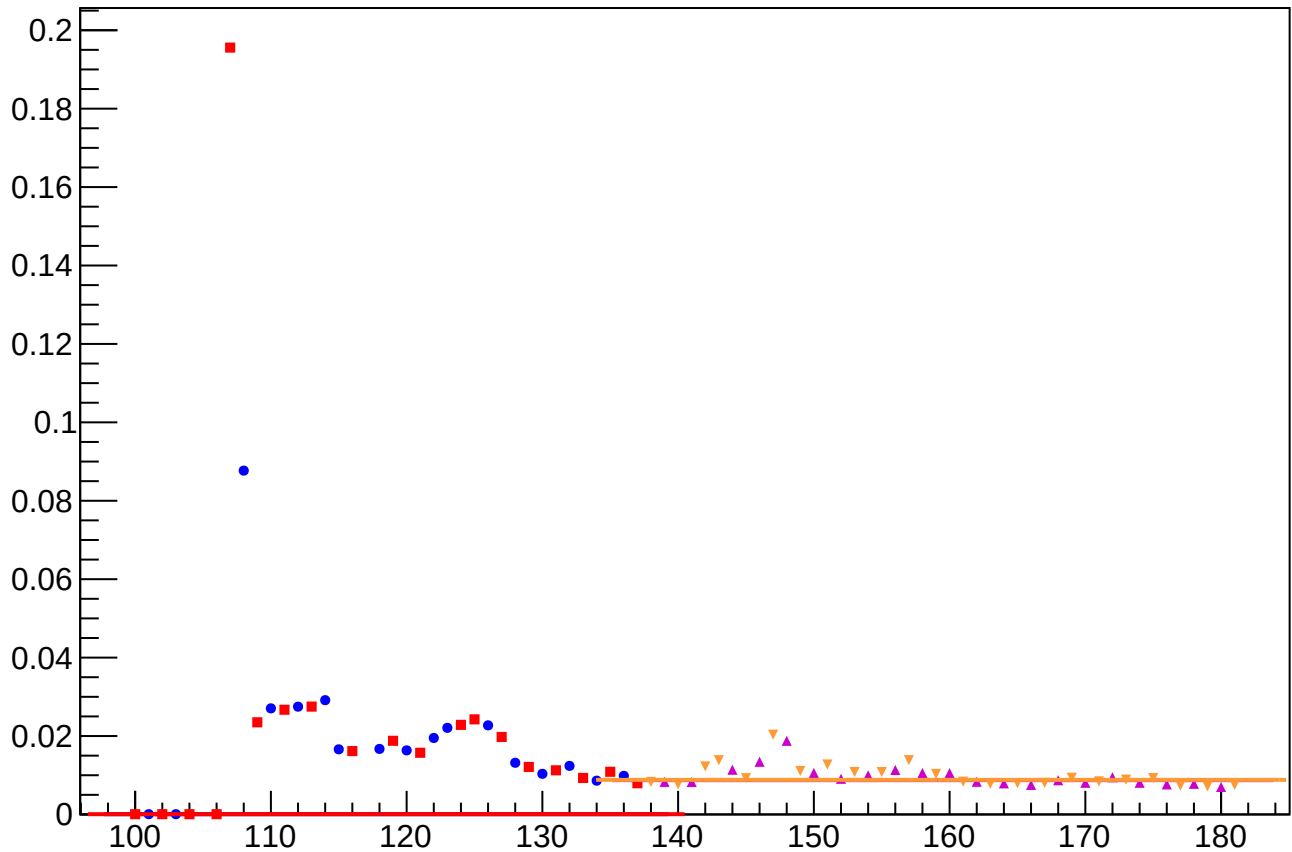
Left In: -0.823 $\pm$ 0.000 χ^2 /NDF: 146732705.7/20

+ sign 3.560 $\pm$ 0.000 χ^2 /NDF: 4052087066811.1/39

All: 3.038 $\pm$ 0.000 χ^2 /NDF: 13876632165270

- sign 2.581 $\pm$ 0.000 χ^2 /NDF: 1255552903437463.5

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9814021.8/16

Left Out: 0.009+/-0.000 χ^2/NDF :1321541.2/22

Right Out: 0.000+/-0.000 χ^2/NDF : 9837255.2/18

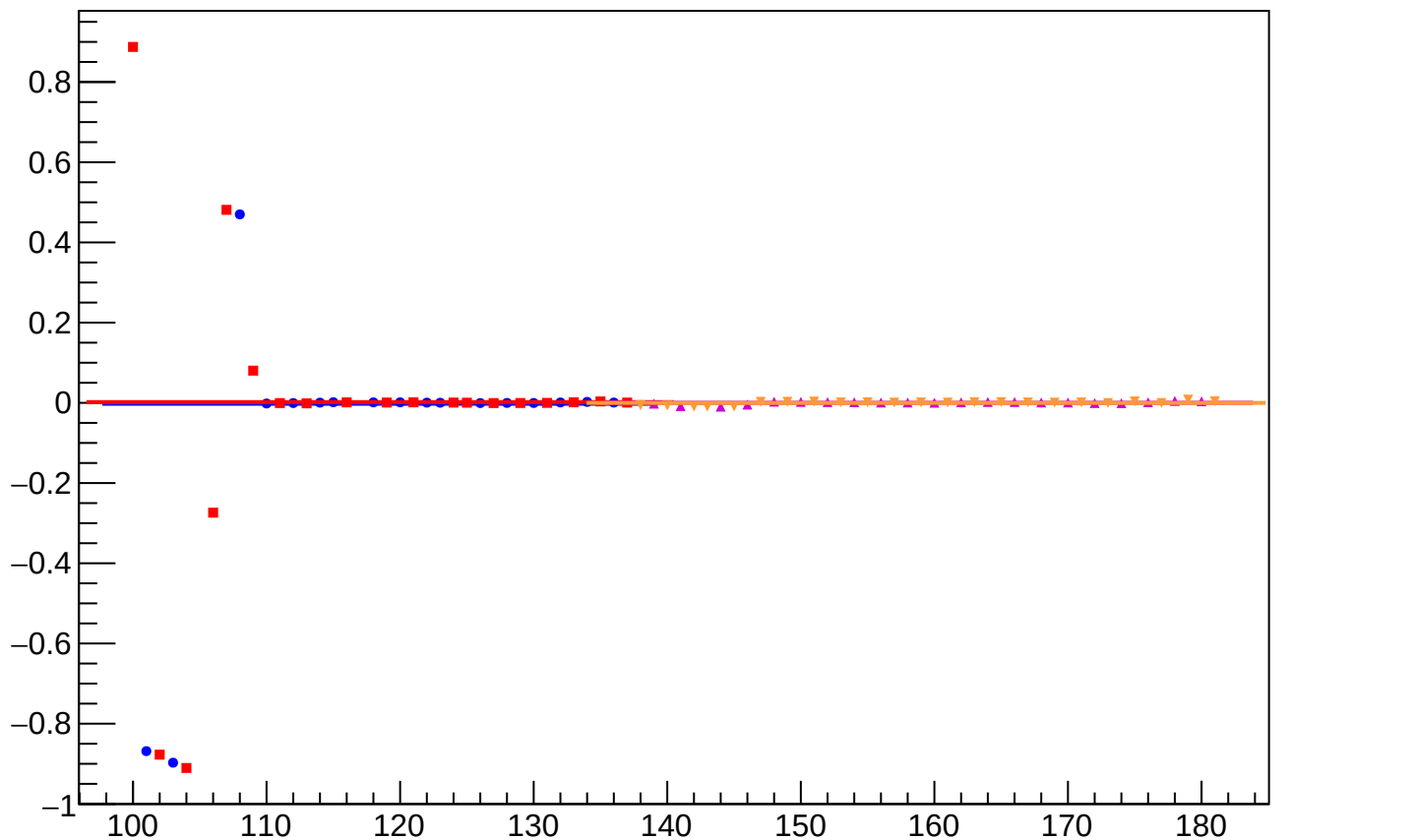
Left In: 0.009+/-0.000 χ^2/NDF :1018512.7/20

+ sign 0.000+/-0.000 χ^2/NDF : 39498615.4/39

All: 0.000+/-0.000 χ^2/NDF : 76991397.0/79

- sign 0.000+/-0.000 χ^2/NDF : 37491548.9/39

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9795455603.3/16

Left Out: -0.000 ± 0.000 χ^2/NDF : 138864490.4/22

Right Out: 0.002 ± 0.000 χ^2/NDF : 3041330797.2/18

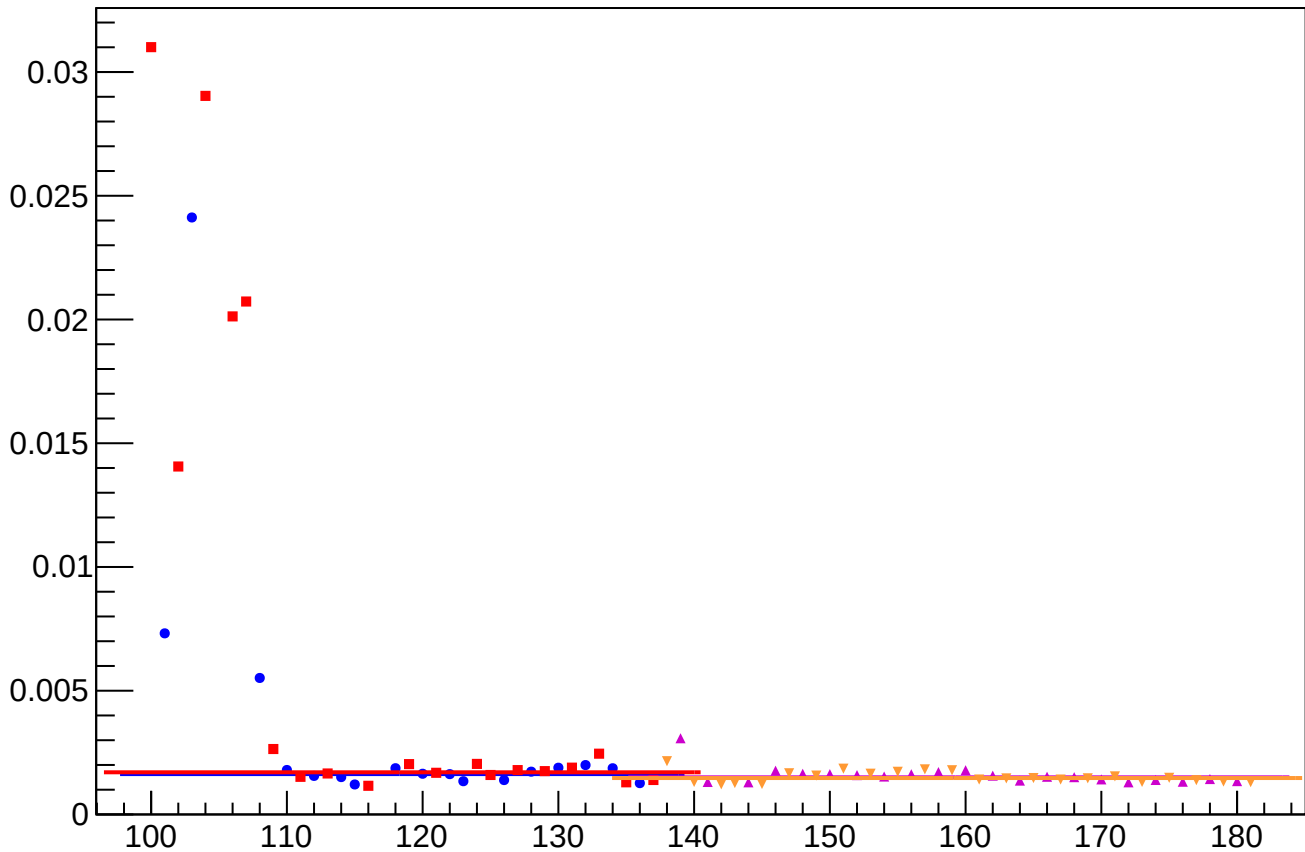
Left In: 0.000 ± 0.000 χ^2/NDF : 83194329.9/20

+ sign -0.001 ± 0.000 χ^2/NDF : 9940314690.2/39

All: -0.000 ± 0.000 χ^2/NDF : 13073123439.9/79

- sign 0.001 ± 0.000 χ^2/NDF : 3128104600.1/39

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1922148.8/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 508859.8/22

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3024458.4/18

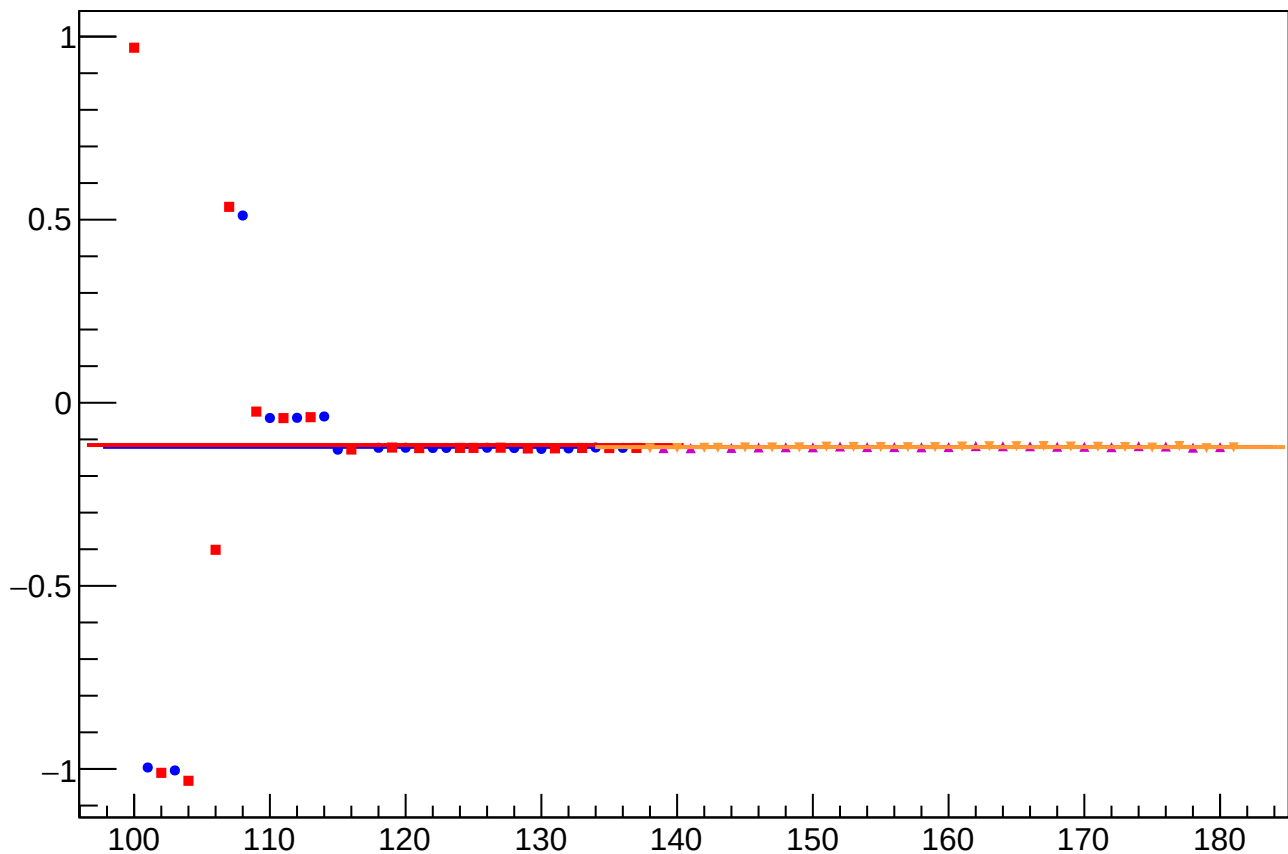
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 620187.0/20

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2499839.2/39

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6255774.4/79

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3745008.4/39

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932772427.7/16

Left Out: -0.121+/-0.000 χ^2/NDF : 55265983.5/22

Right Out: -0.115+/-0.000 χ^2/NDF : 2456433698.5/18

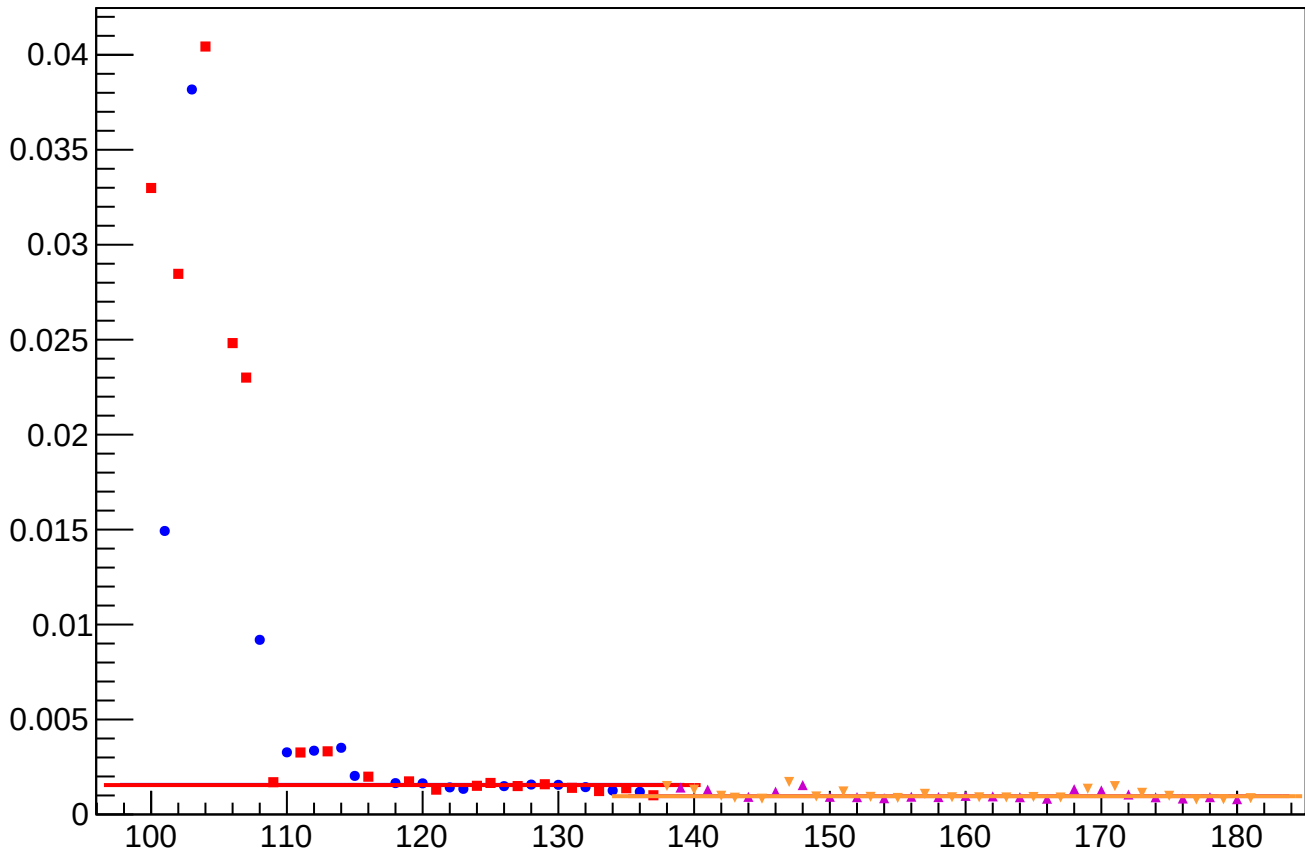
Left In: -0.121+/-0.000 χ^2/NDF : 37210624.7/20

+ sign -0.121+/-0.000 χ^2/NDF : 3988816587.9/39

All: -0.121+/-0.000 χ^2/NDF : 6536160206.3/7

- sign -0.120+/-0.000 χ^2/NDF : 2541774297.3/39

yield_cav4cY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2898219.2/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:1238971.7/22

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3535649.7/18

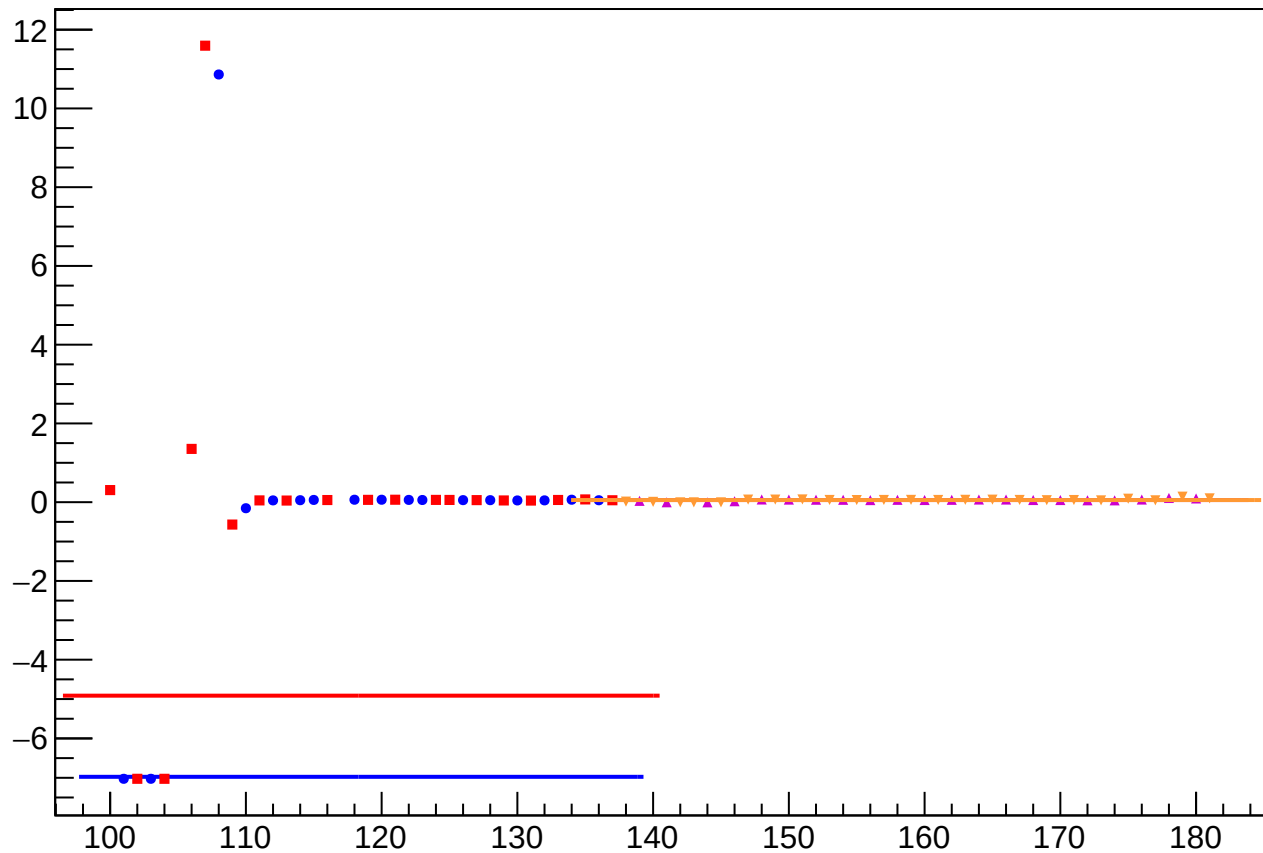
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:883746.9/20

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5349005.9/39

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 10909135.8/79

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5558551.1/39

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2 /NDF: 8797358006083.6/16

Left Out: 0.054+/-0.000 χ^2 /NDF:220628490.3/22

Right Out: -4.914+/-0.000 χ^2 /NDF: 365352656389636.4/18

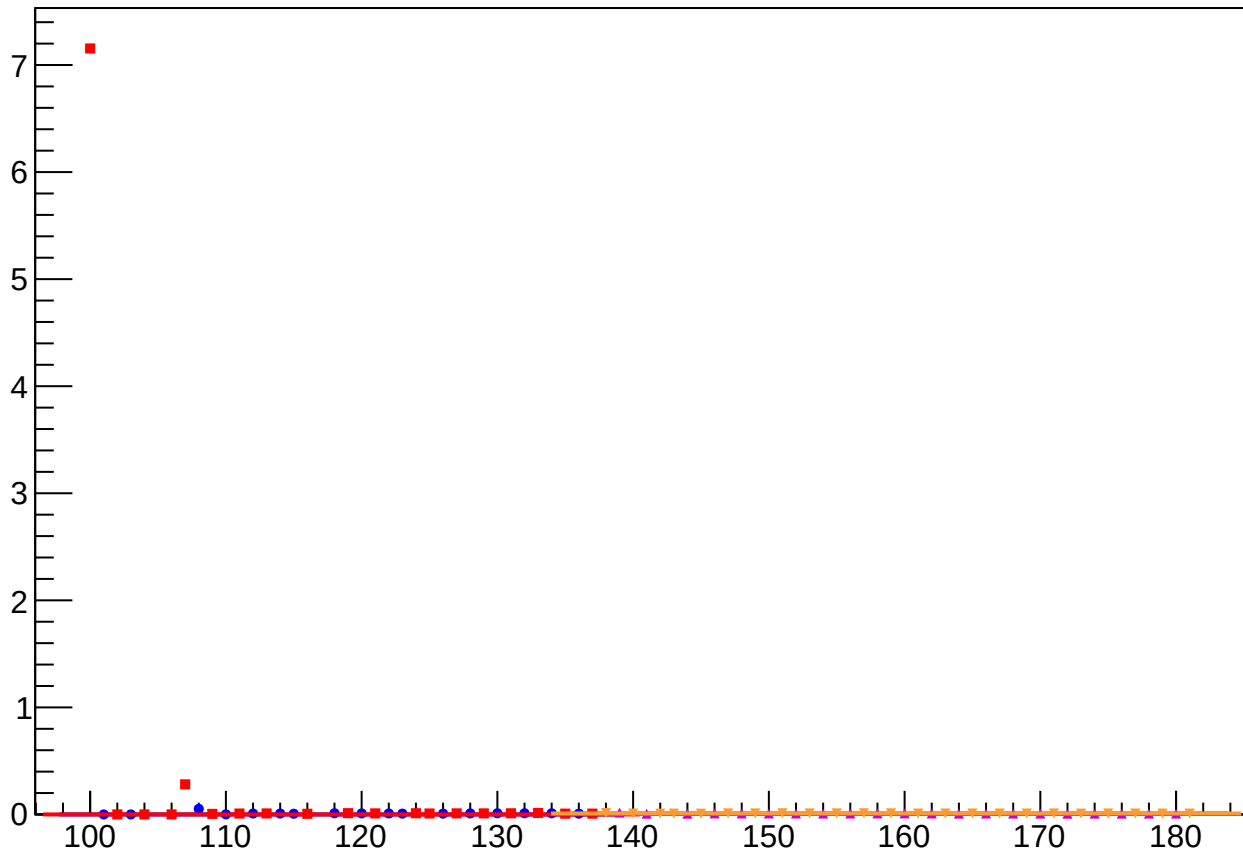
Left In: 0.054+/-0.000 χ^2 /NDF:124843064.1/20

+ sign -6.924+/-0.000 χ^2 /NDF: 17843541626644.1/16

All: -5.861+/-0.000 χ^2 /NDF: 4426816854034.1/16

- sign -4.884+/-0.000 χ^2 /NDF: 369430772971089.6/16

yield_cav4dX_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 8350428.8/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:482502.0/22

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8775433.1/18

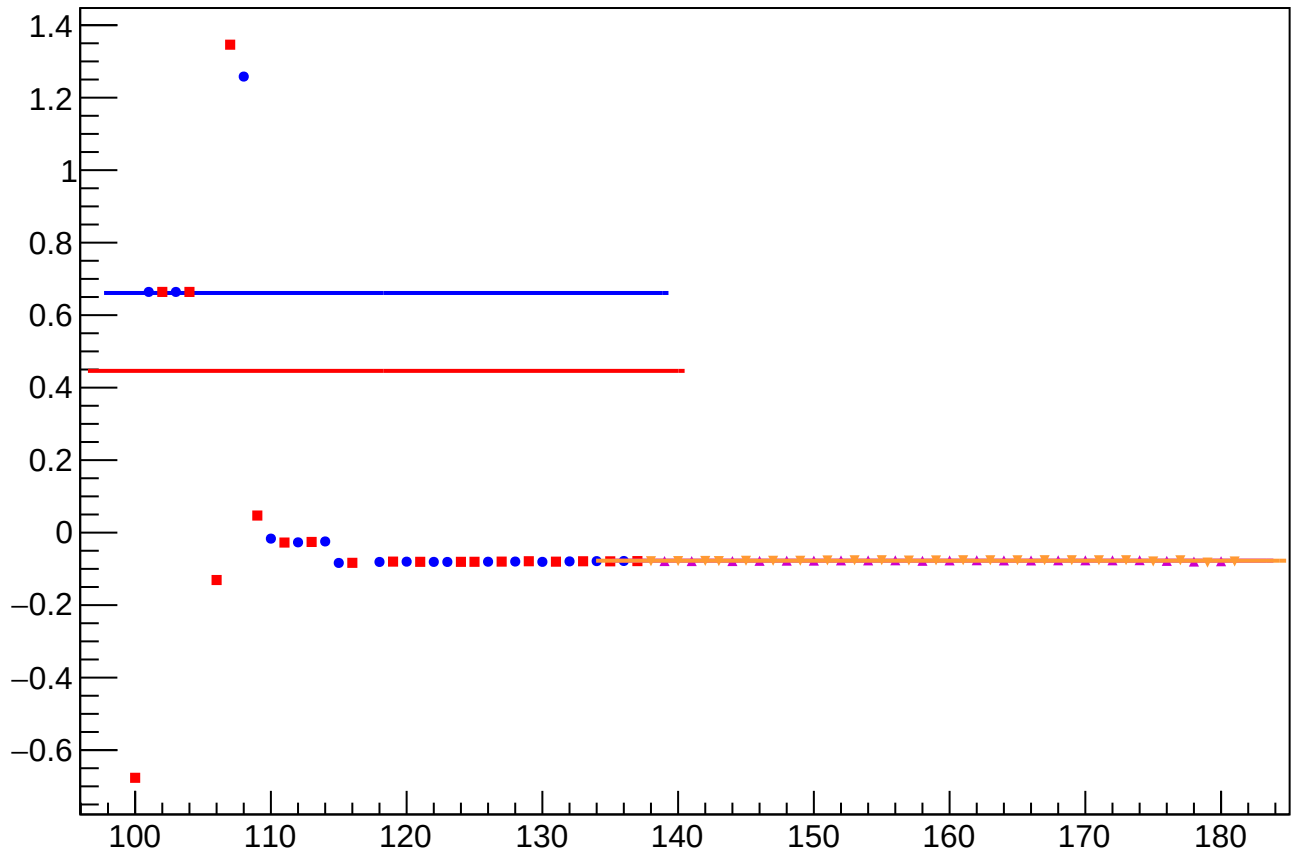
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:595070.5/20

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 35630527.7/39

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 70230204.7/79

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 34595029.8/39

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5658672217179.3/16

Left Out: -0.077+/-0.000 χ^2/NDF : 144525720.8/22

Right Out: 0.446+/-0.000 χ^2/NDF : 405428422570886.0/18

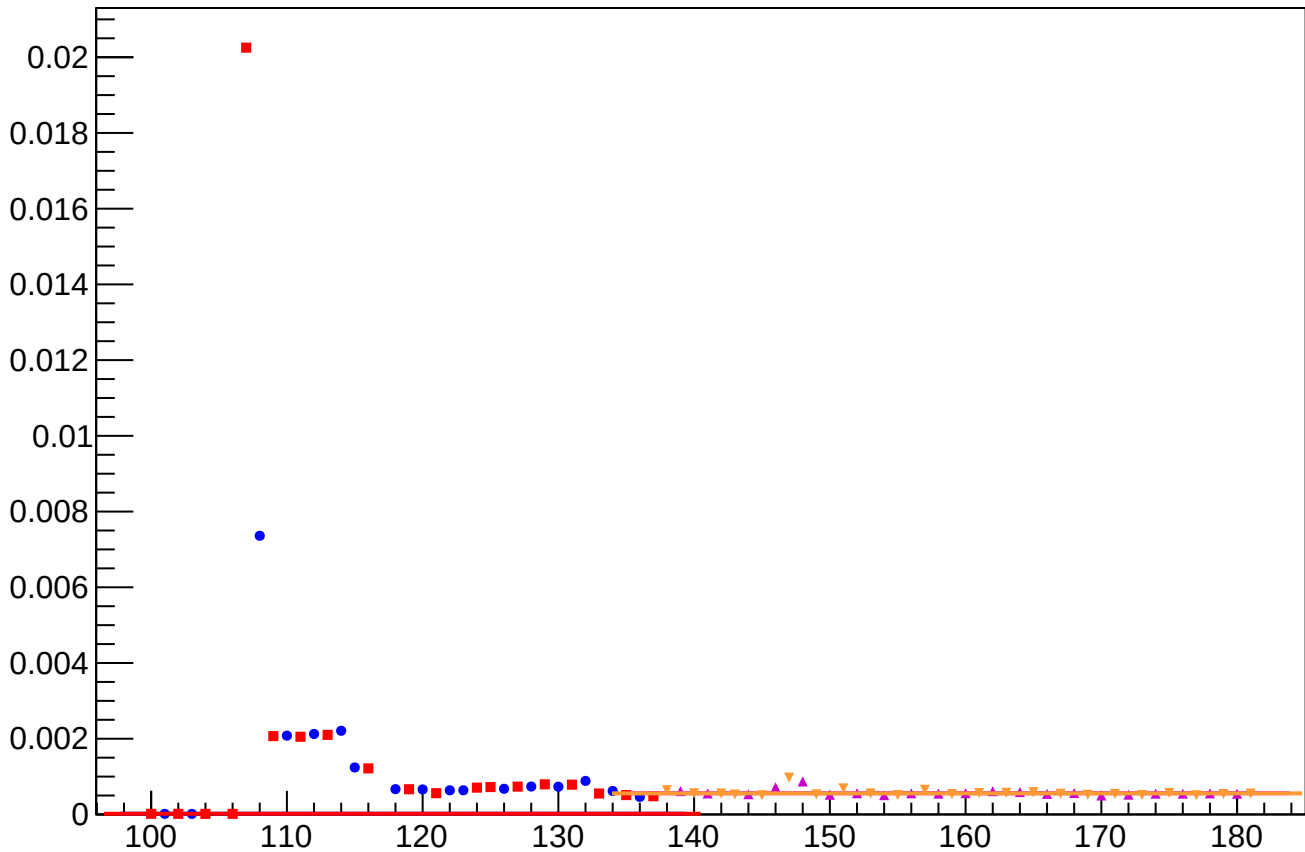
Left In: -0.077+/-0.000 χ^2/NDF : 54329976.2/20

+ sign 0.646+/-0.000 χ^2/NDF : 34186610058287.6/3

All: 0.537+/-0.000 χ^2/NDF : 51358314636223

- sign 0.437+/-0.000 χ^2/NDF : 418757574095190.1/3

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9958320.7/16

Left Out: 0.001+/-0.000 χ^2/NDF : 457073.6/22

Right Out: 0.000+/-0.000 χ^2/NDF : 9460895.3/18

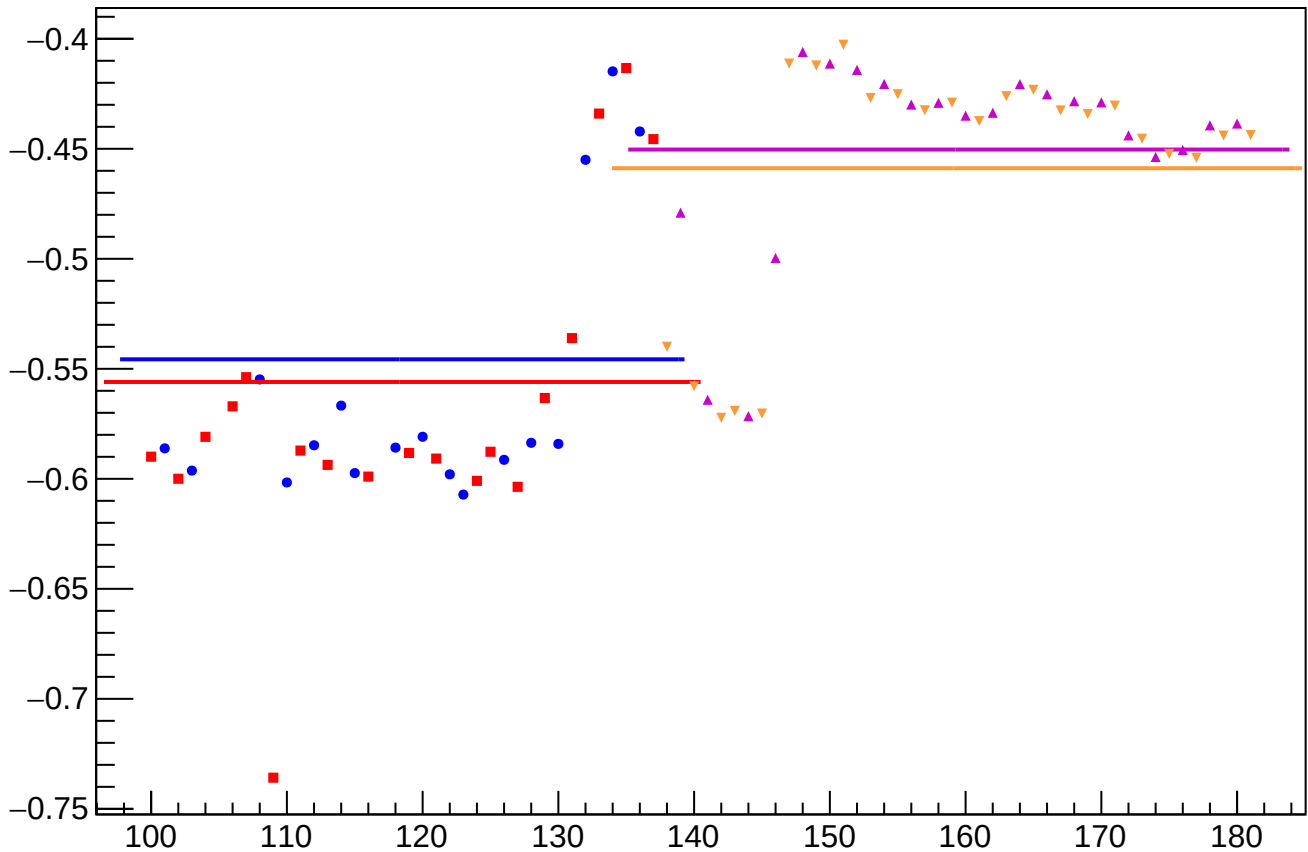
Left In: 0.001+/-0.000 χ^2/NDF : 354205.6/20

+ sign 0.000+/-0.000 χ^2/NDF : 40763136.0/39

All: 0.000+/-0.000 χ^2/NDF : 79252052.4/79

- sign 0.000+/-0.000 χ^2/NDF : 38481551.0/39

yield_bpm4aX_mean vs Slug



Right In: -0.546+/-0.000 χ^2/NDF : 46331446.0/16

Left Out: -0.459+/-0.000 χ^2/NDF : 107748221.0/22

Right Out: -0.556+/-0.000 χ^2/NDF : 64058429.8/18

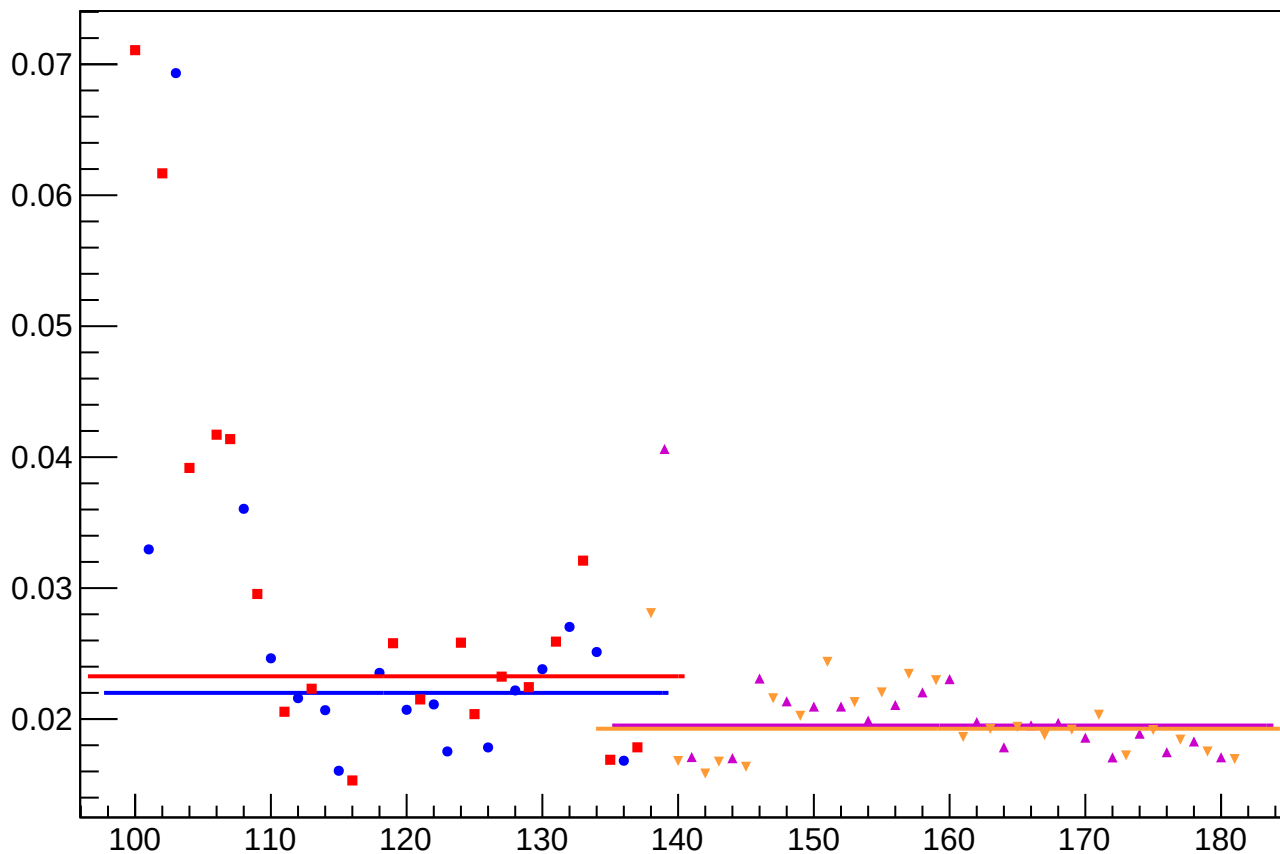
Left In: -0.450+/-0.000 χ^2/NDF : 75901940.6/20

+ sign -0.478+/-0.000 χ^2/NDF : 216199092.1/39

All: -0.476+/-0.000 χ^2/NDF : 441865281.7/79

- sign -0.474+/-0.000 χ^2/NDF : 225299282.7/39

yield_bpm4aX_rms vs Slug



Right In: 0.022 ± 0.000 χ^2/NDF : 959677.4/16

Left Out: 0.019 ± 0.000 χ^2/NDF : 475471.5/22

Right Out: 0.023 ± 0.000 χ^2/NDF : 1155060.8/18

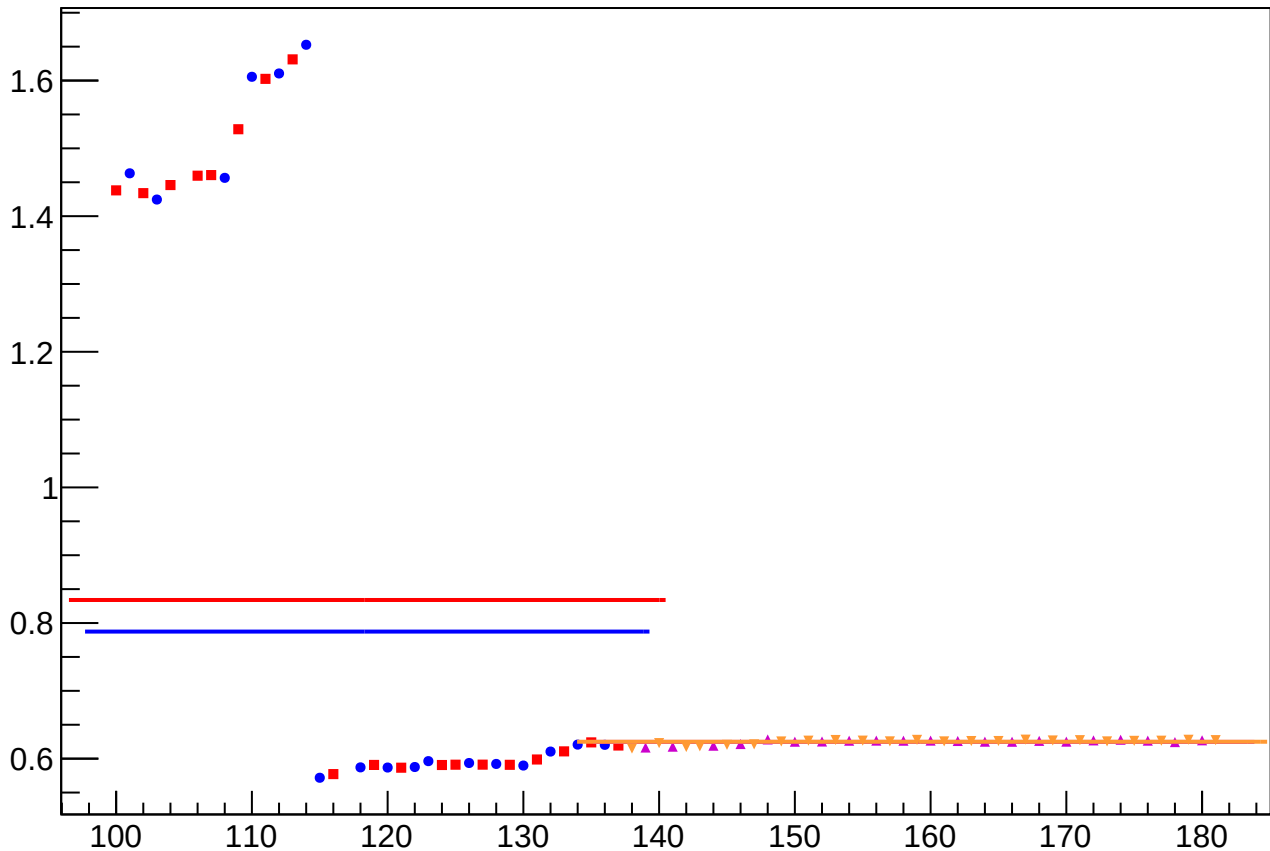
Left In: 0.020 ± 0.000 χ^2/NDF : 614295.2/20

+ sign 0.020 ± 0.000 χ^2/NDF : 1558577.3/39

All: 0.020 ± 0.000 χ^2/NDF : 3554804.9/79

- sign 0.020 ± 0.000 χ^2/NDF : 1985542.7/39

yield_bpm4aY_mean vs Slug



Right In: 0.787+/-0.000 χ^2/NDF : 3581416919.1/16

Left Out: 0.625+/-0.000 χ^2/NDF :1385341.3/22

Right Out: 0.834+/-0.000 χ^2/NDF : 4150651936.4/18

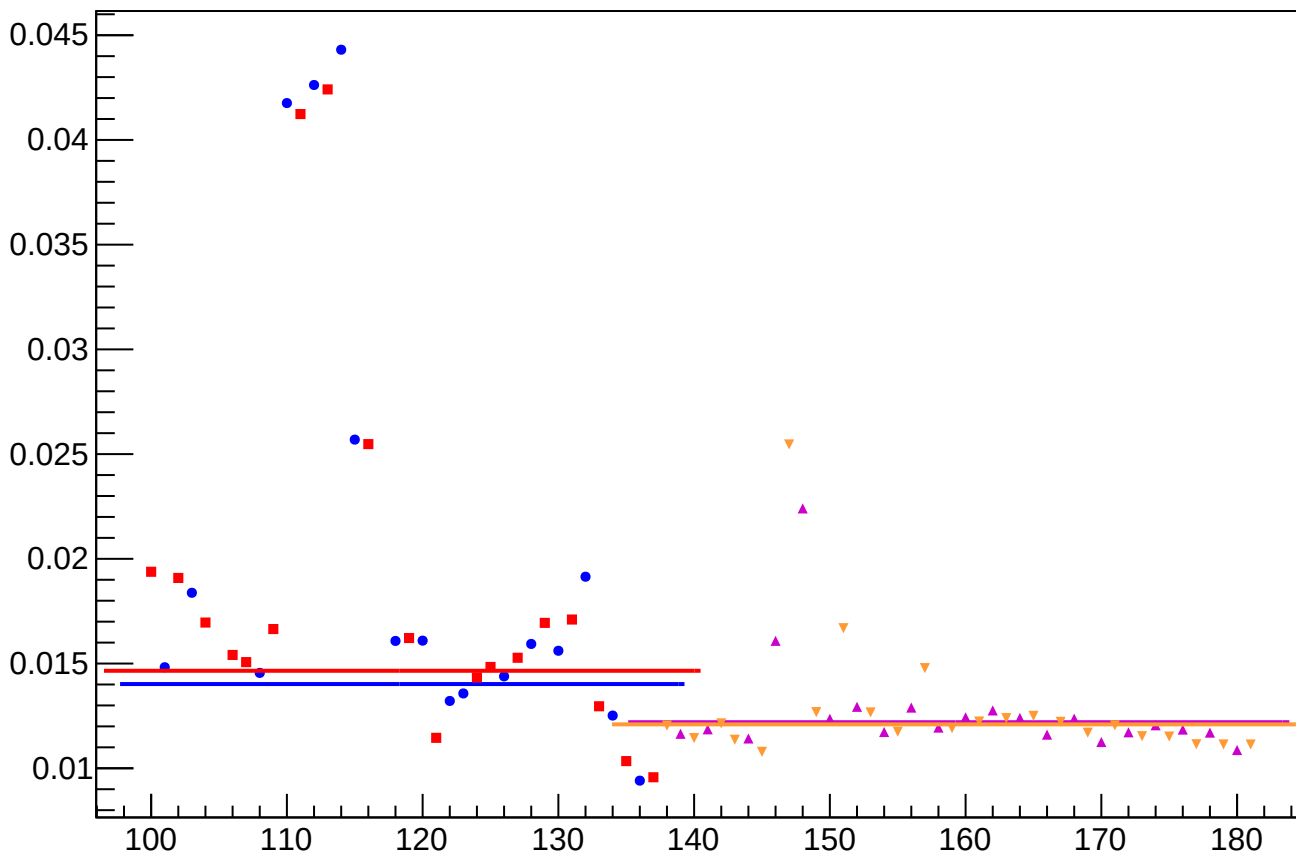
Left In: 0.625+/-0.000 χ^2/NDF :1103409.5/20

+ sign 0.658+/-0.000 χ^2/NDF : 4189217488.0/39

All: 0.663+/-0.000 χ^2/NDF : 9315486671.1/79

- sign 0.668+/-0.000 χ^2/NDF : 5118332303.5/39

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1399935.4/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 654214.6/22

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1262071.4/18

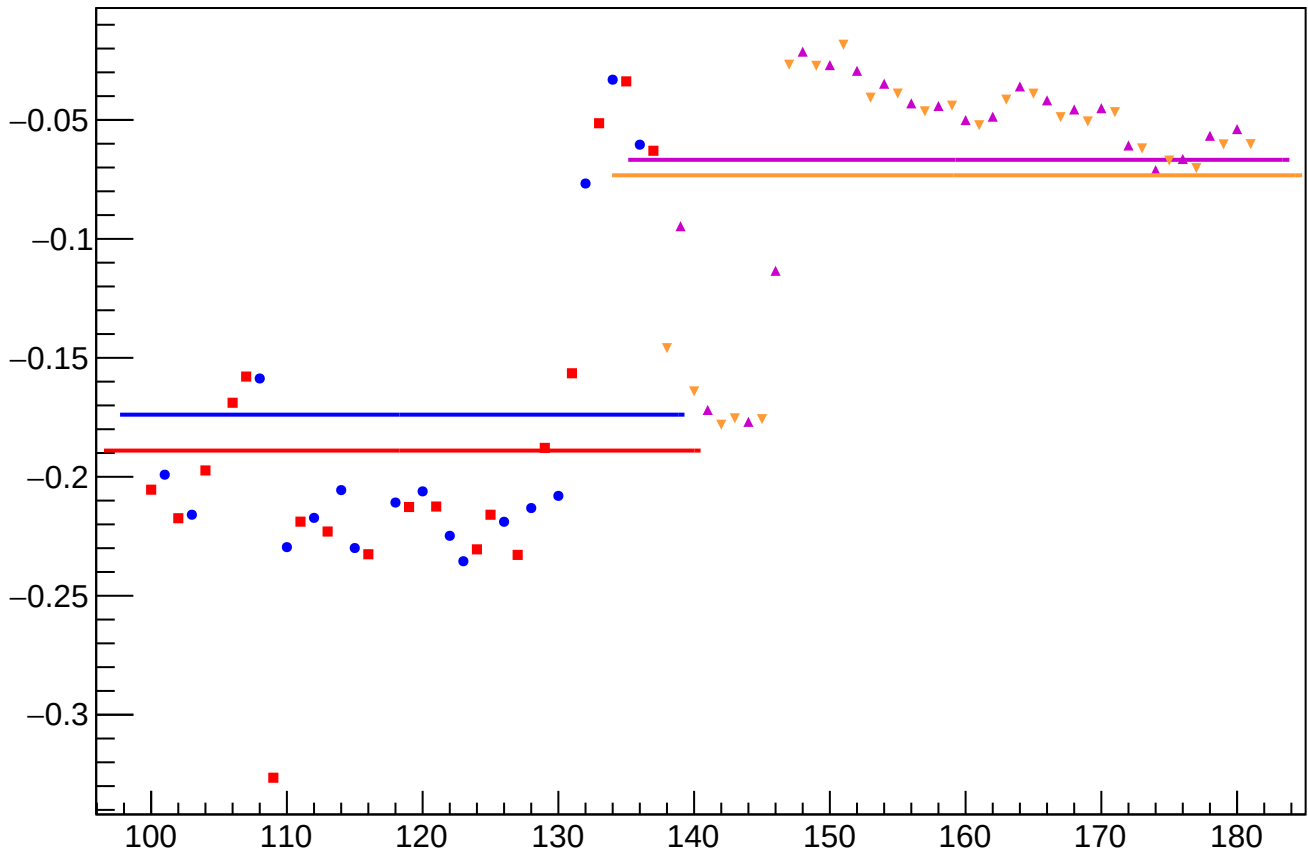
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 476411.8/20

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2224395.9/39

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4236115.3/79

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2004516.8/39

yield_bpm4eX_mean vs Slug



Right In: -0.174+/-0.000 χ^2/NDF : 66778428.3/16

Left Out: -0.073+/-0.000 χ^2/NDF : 101973043.4/22

Right Out: -0.189+/-0.000 χ^2/NDF : 81975900.9/18

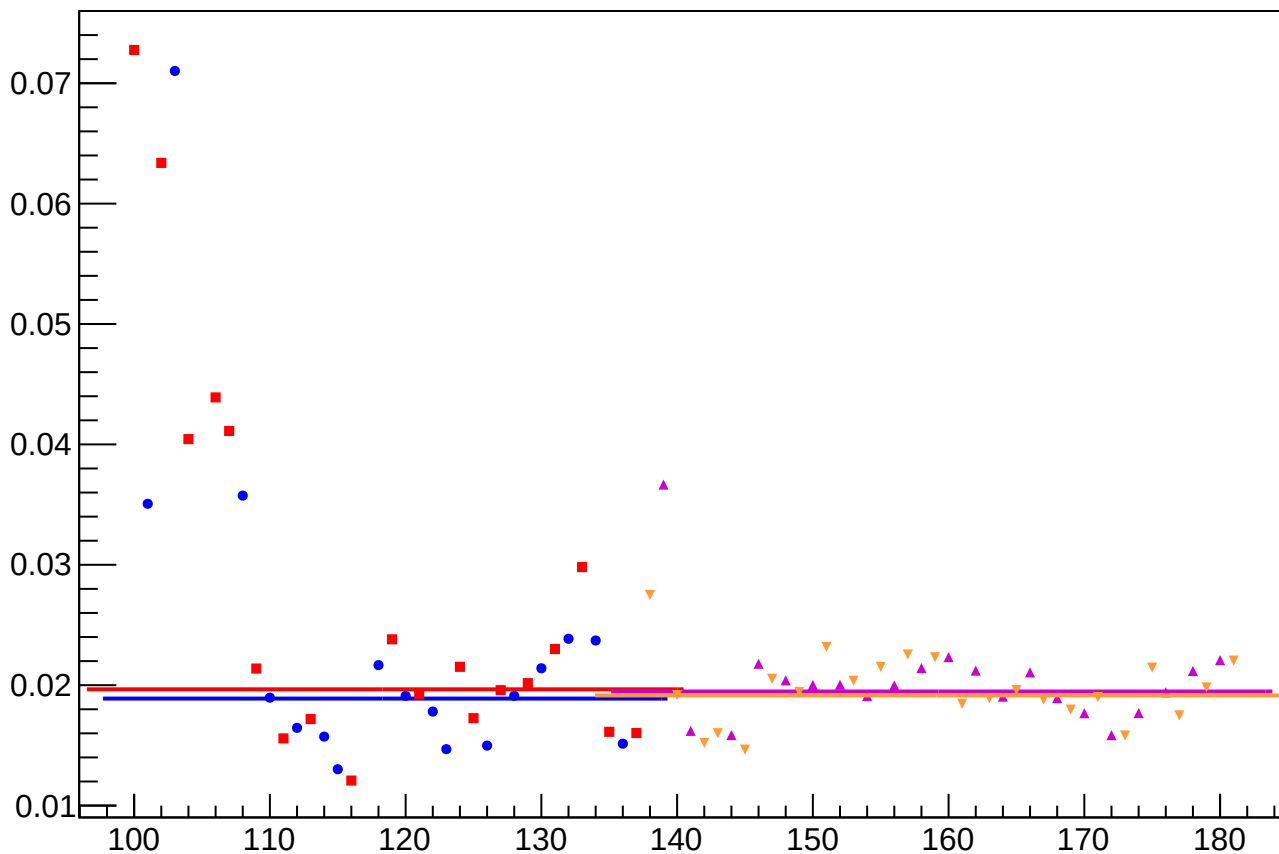
Left In: -0.067+/-0.000 χ^2/NDF : 76078364.1/20

+ sign -0.100+/-0.000 χ^2/NDF : 272963176.0/39

All: -0.100+/-0.000 χ^2/NDF : 576018954.9/79

- sign -0.100+/-0.000 χ^2/NDF : 303049248.1/39

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1211816.5/16

Left Out: 0.019+/-0.000 χ^2/NDF : 534369.9/22

Right Out: 0.020+/-0.000 χ^2/NDF : 1454143.7/18

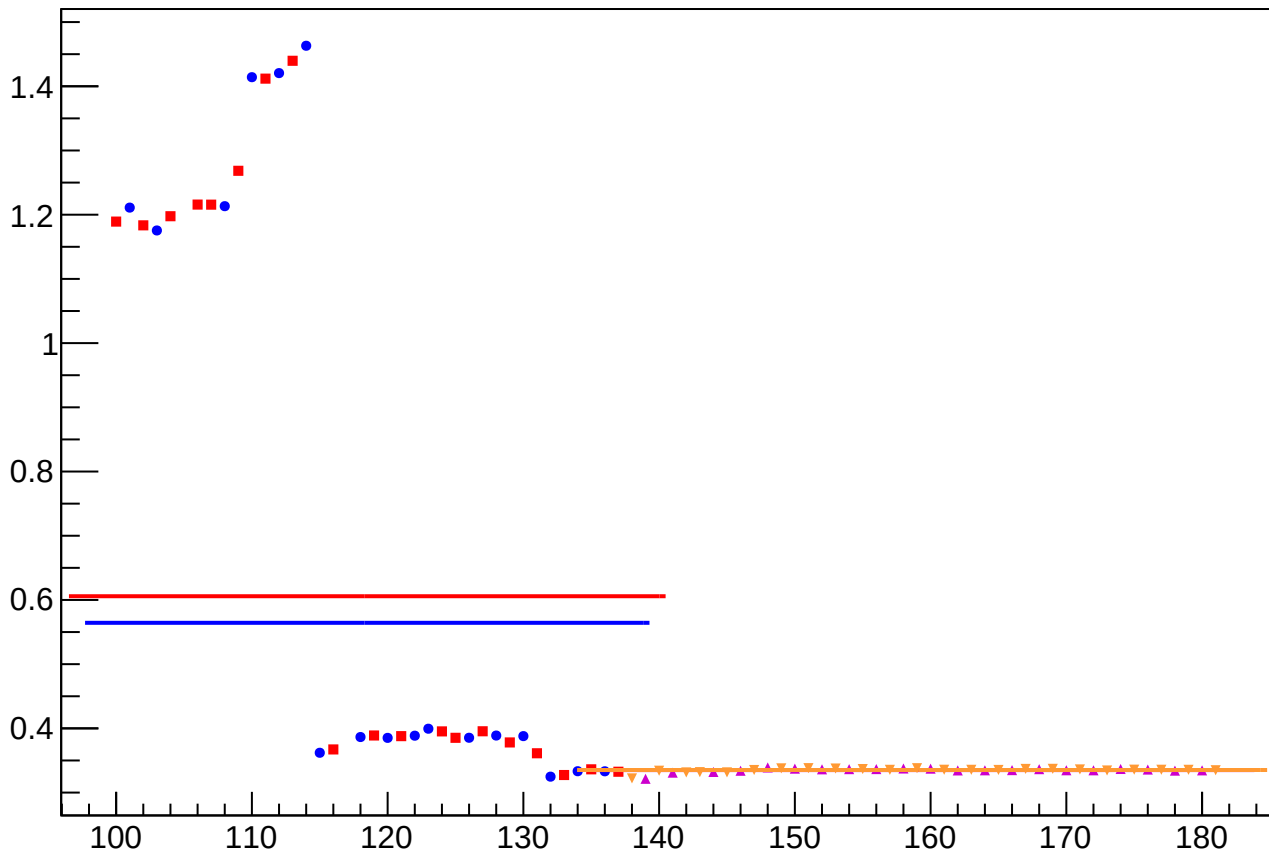
Left In: 0.019+/-0.000 χ^2/NDF : 595223.7/20

+ sign 0.019+/-0.000 χ^2/NDF : 1747620.4/39

All: 0.019+/-0.000 χ^2/NDF : 3807559.5/79

- sign 0.020+/-0.000 χ^2/NDF : 2050014.1/39

yield_bpm4eY_mean vs Slug



Right In: 0.564+/-0.000 χ^2/NDF : 5040911893.3/16

Left Out: 0.335+/-0.000 χ^2/NDF :1138165.0/22

Right Out: 0.606+/-0.000 χ^2/NDF : 5529469116.6/18

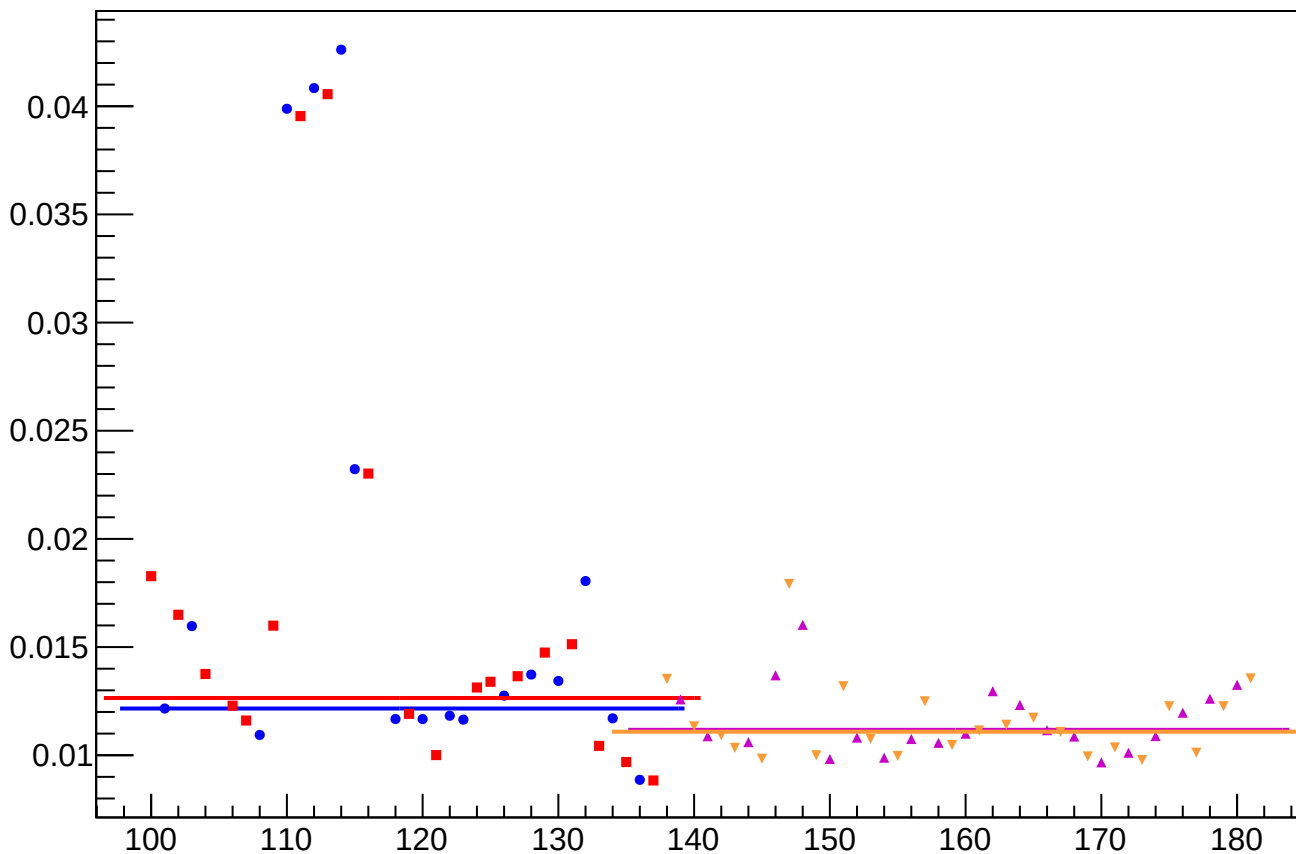
Left In: 0.335+/-0.000 χ^2/NDF :1199416.2/20

+ sign 0.386+/-0.000 χ^2/NDF : 6605276061.6/39

All: 0.391+/-0.000 χ^2/NDF : 14224364192.5/79

- sign 0.397+/-0.000 χ^2/NDF : 7609268773.4/39

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1304124.1/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:548914.3/22

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1268972.5/18

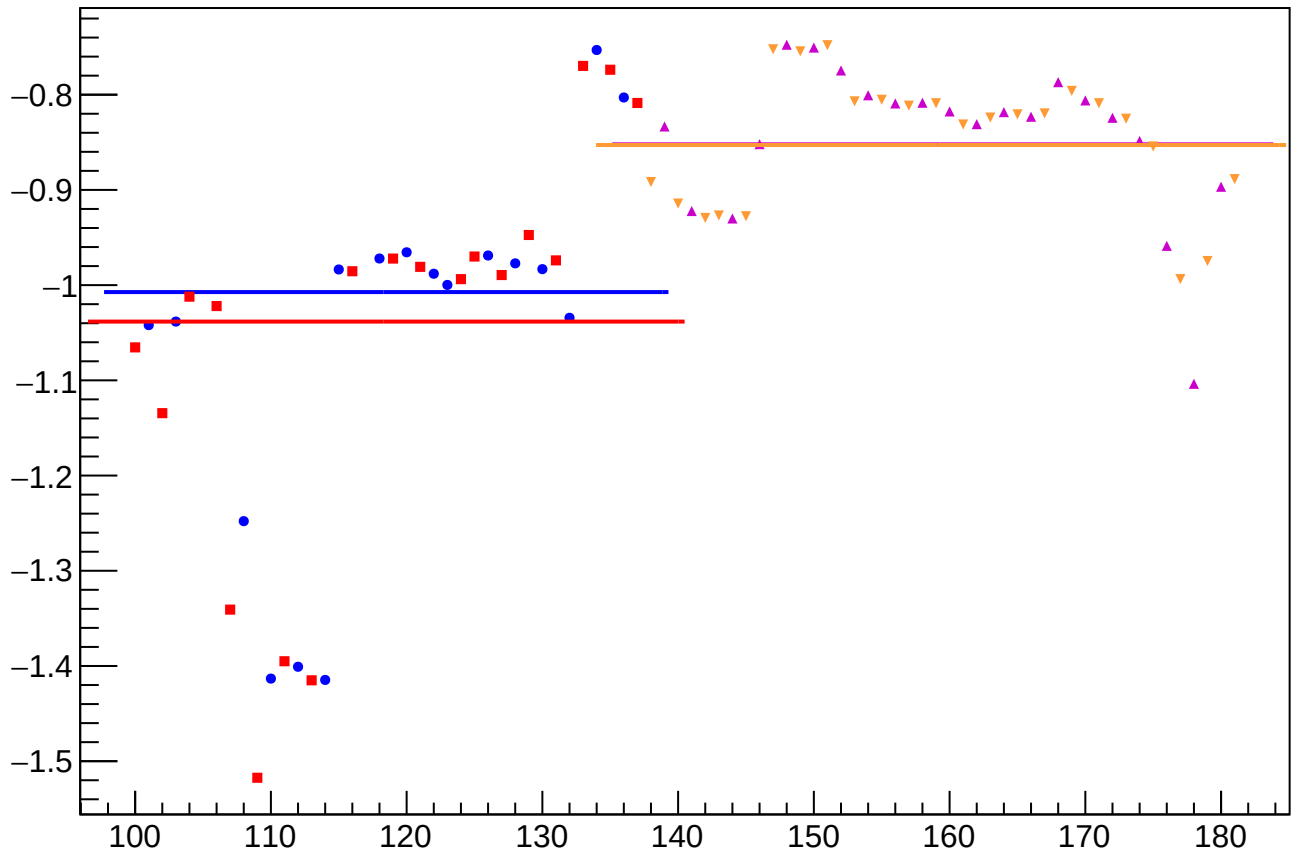
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:444426.2/20

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1921560.7/39

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3763393.6/79

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1836093.5/39

yield_bpm4acX_mean vs Slug



Right In: -1.007+/-0.000 χ^2/NDF : 393589325.7/16

Left Out: -0.853+/-0.000 χ^2/NDF :183360296.2/22

Right Out: -1.038+/-0.000 χ^2/NDF : 535629570.0/18

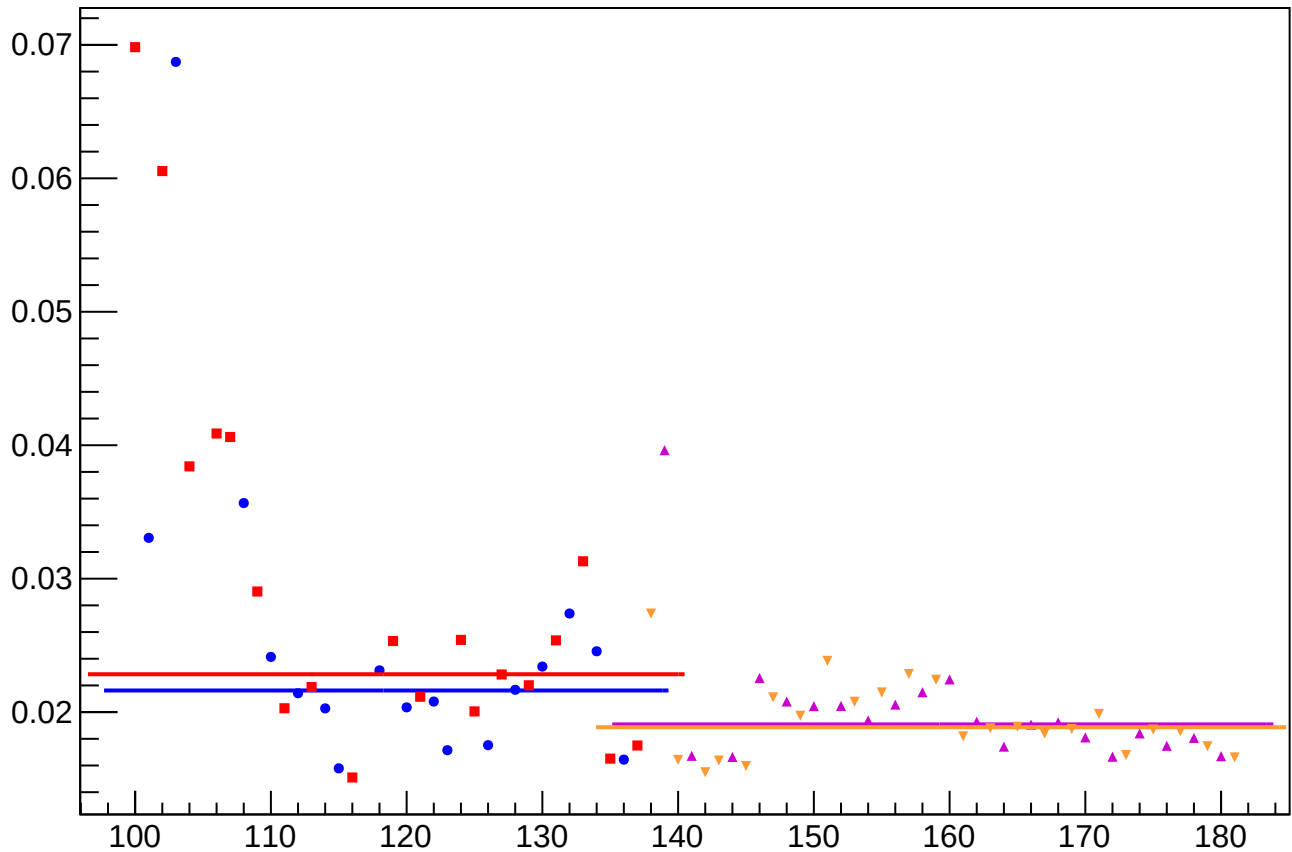
Left In: -0.852+/-0.000 χ^2/NDF :251810839.0/20

+ sign -0.886+/-0.000 χ^2/NDF : 780241191.8/39

All: -0.890+/-0.000 χ^2/NDF : 1843844279.0/7

- sign -0.893+/-0.000 χ^2/NDF : 1062503639.3/39

yield_bpm4acX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 984588.1/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 464168.6/22

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1150914.8/18

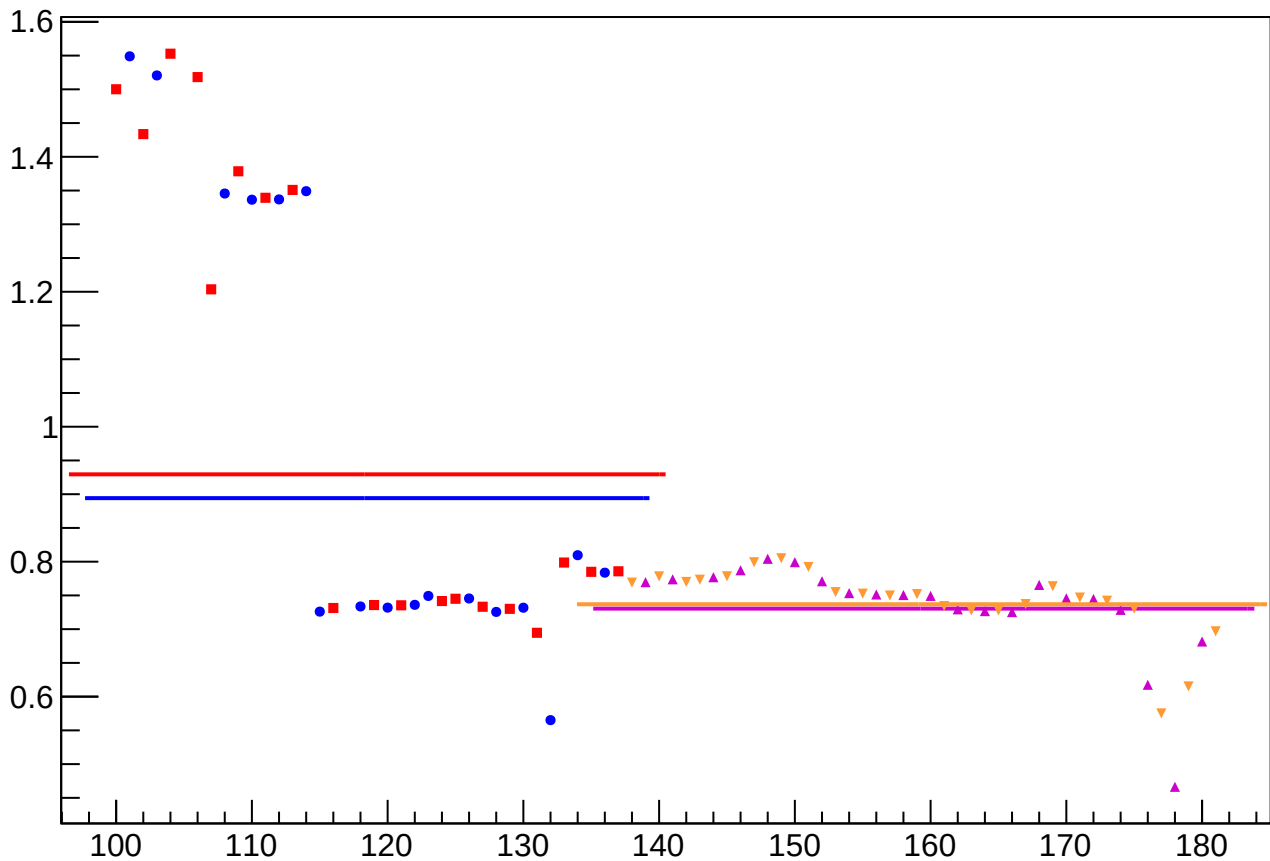
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 602277.4/20

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1578083.9/39

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3564949.6/79

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1977402.0/39

yield_bpm4acY_mean vs Slug



Right In: 0.894+/-0.000 χ^2/NDF : 2399022212.9/16

Left Out: 0.737+/-0.000 χ^2/NDF : 326010734.7/22

+ sign 0.768+/-0.000 χ^2/NDF : 3274591685.6/39

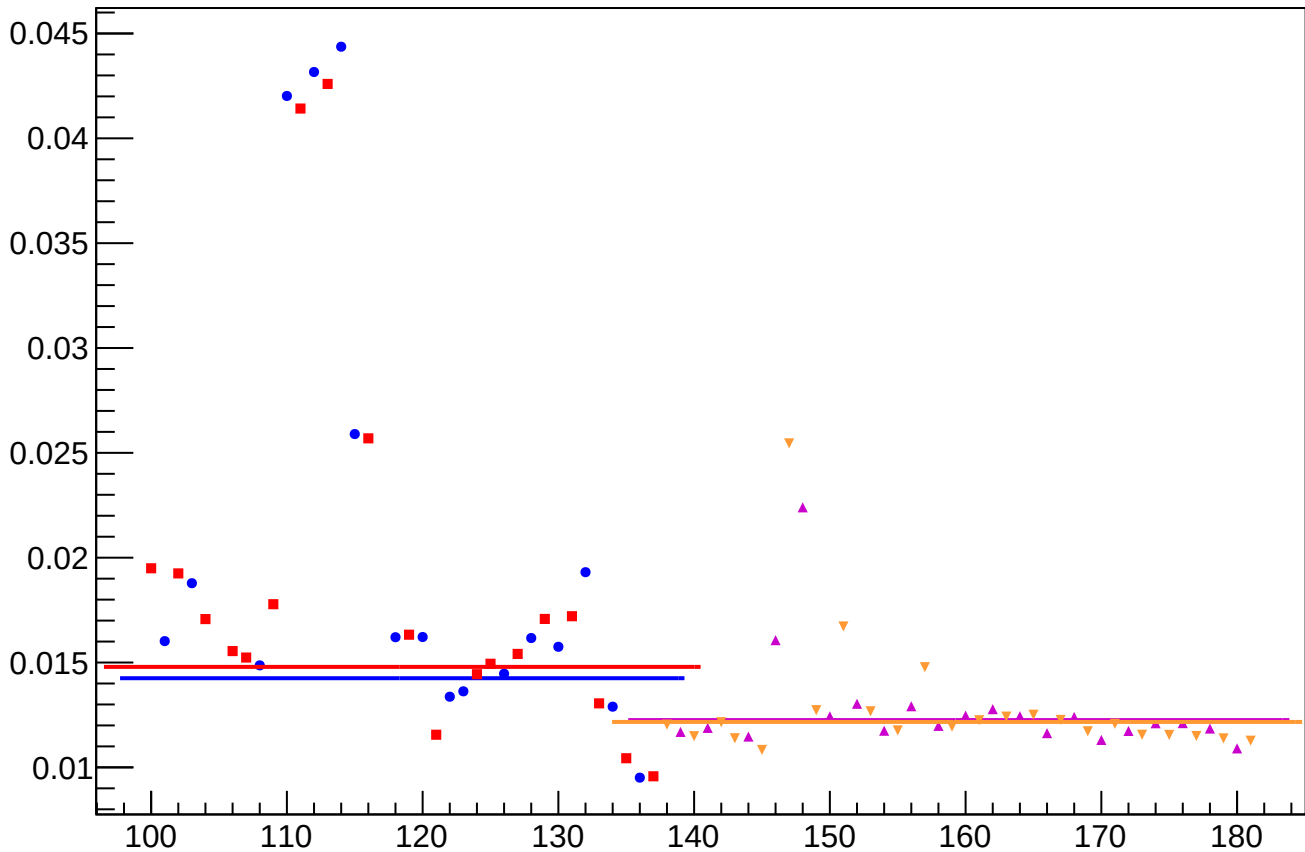
Right Out: 0.929+/-0.000 χ^2/NDF : 2422023767.8/18

All: 0.770+/-0.000 χ^2/NDF : 7111749458.5/79

- sign 0.772+/-0.000 χ^2/NDF : 3836268219.0/39

Left In: 0.730+/-0.000 χ^2/NDF : 558110540.2/20

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1409964.0/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:634242.6/22

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1271820.6/18

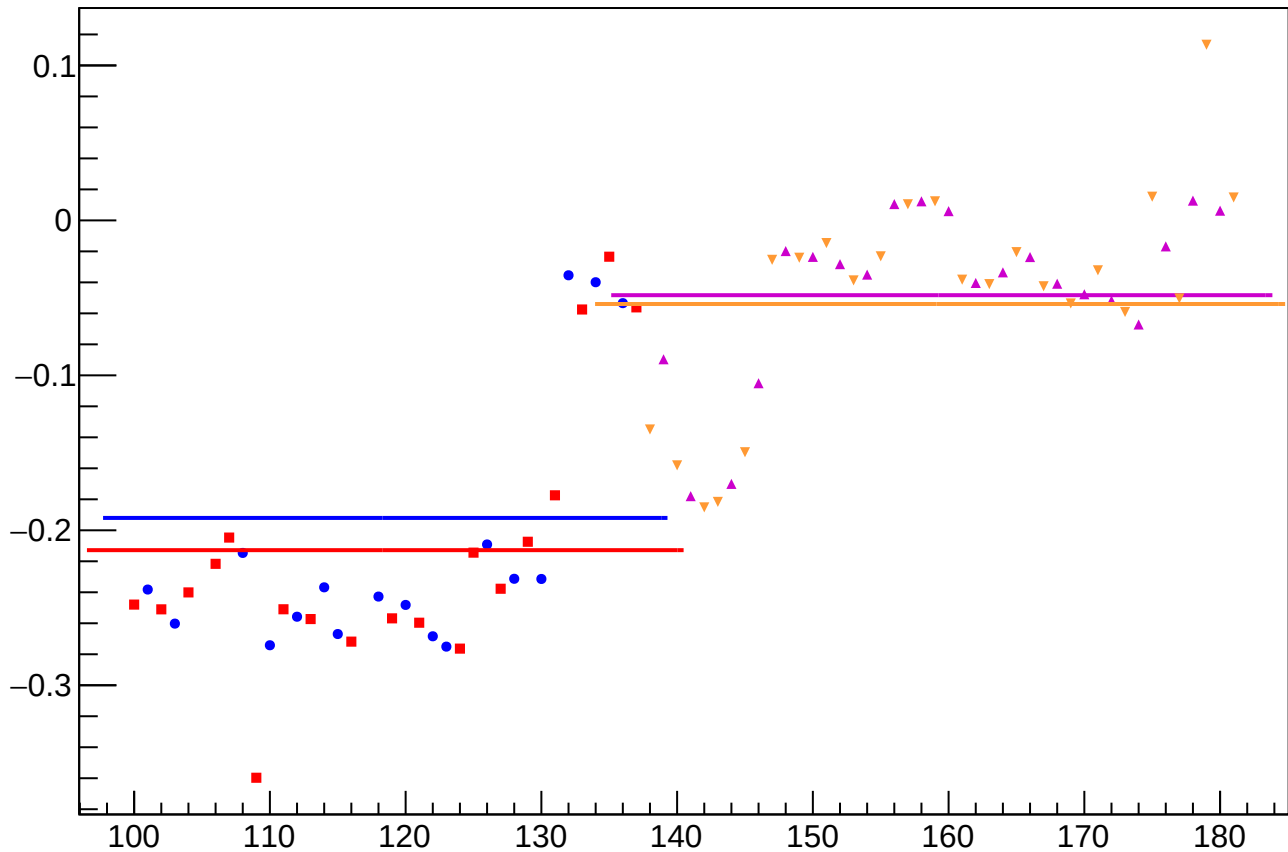
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:469537.3/20

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2237402.0/39

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4262607.0/79

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2019712.9/39

yield_bpm4ecX_mean vs Slug



Right In: -0.192+/-0.000 χ^2/NDF : 106200458.9/16

Left Out: -0.054+/-0.000 χ^2/NDF :154102130.1/22

Right Out: -0.213+/-0.000 χ^2/NDF : 110522593.6/18

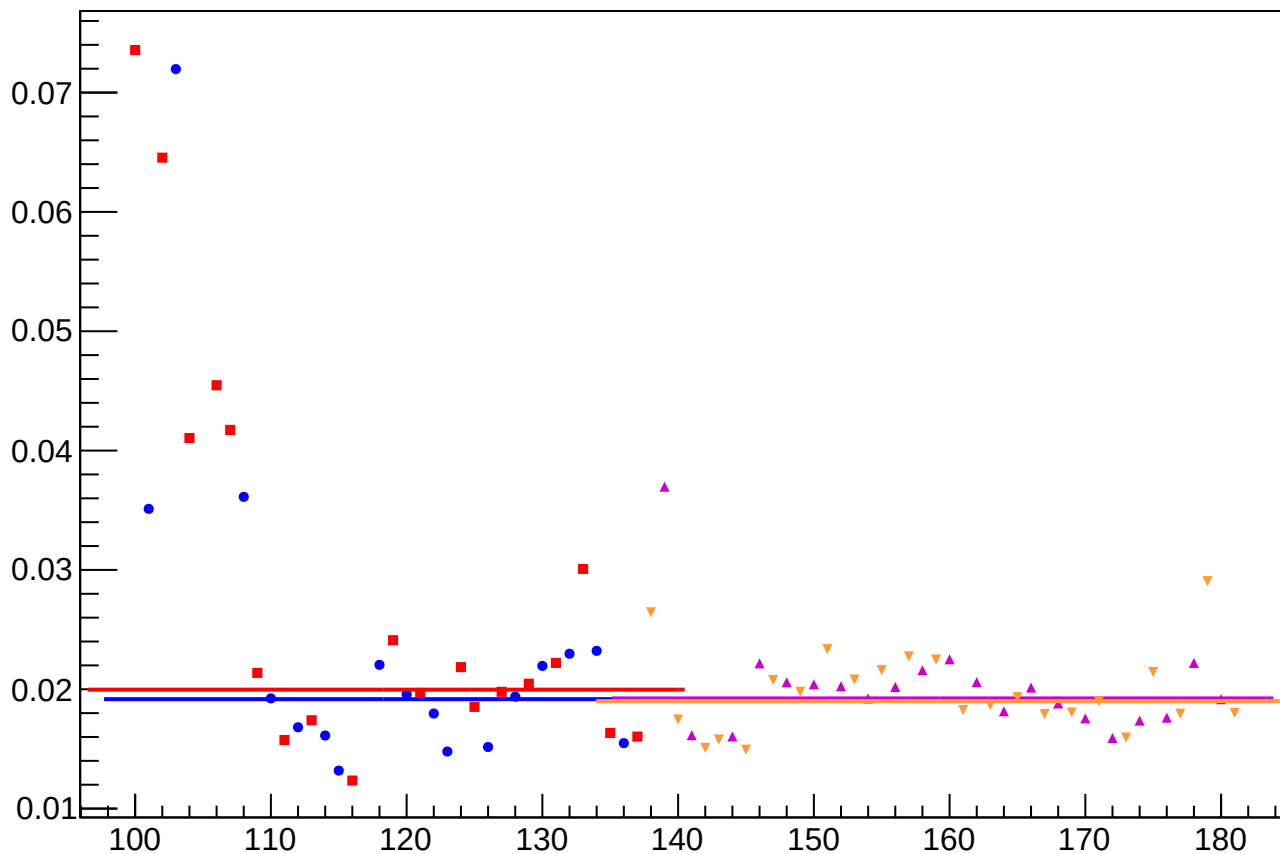
Left In: -0.048+/-0.000 χ^2/NDF :112757930.4/20

+ sign -0.090+/-0.000 χ^2/NDF : 451812366.4/39

All: -0.091+/-0.000 χ^2/NDF : 932689110.3/79

- sign -0.092+/-0.000 χ^2/NDF : 480779822.8/39

yield_bpm4ecX_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1182752.8/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 613996.5/22

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1445067.6/18

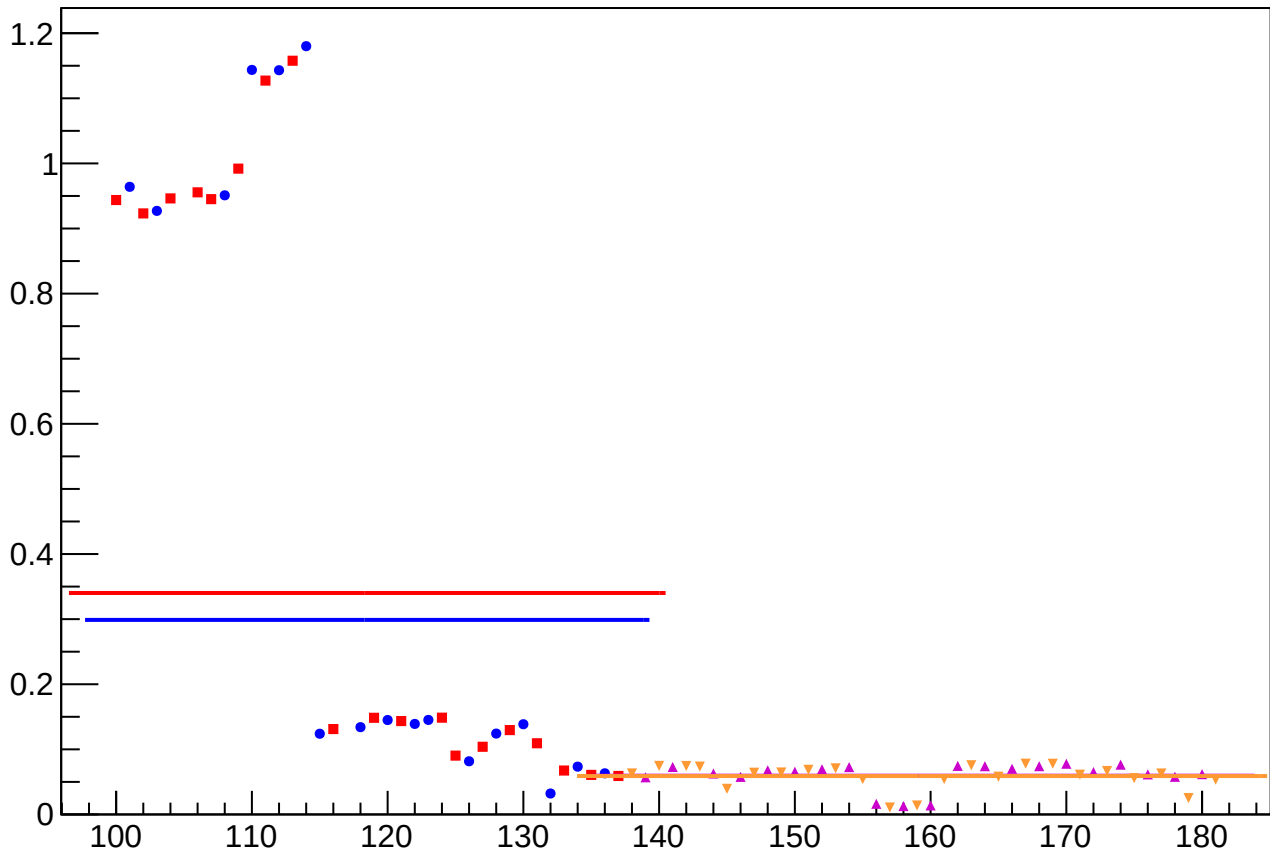
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 605943.5/20

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1797271.4/39

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 3865736.4/79

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 2061257.8/39

yield_bpm4ecY_mean vs Slug



Right In: 0.299 $\pm$ 0.000 χ^2 /NDF: 5180137730.5/16

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 46162977.8/22

Right Out: 0.340 $\pm$ 0.000 χ^2 /NDF: 5473541358.4/18

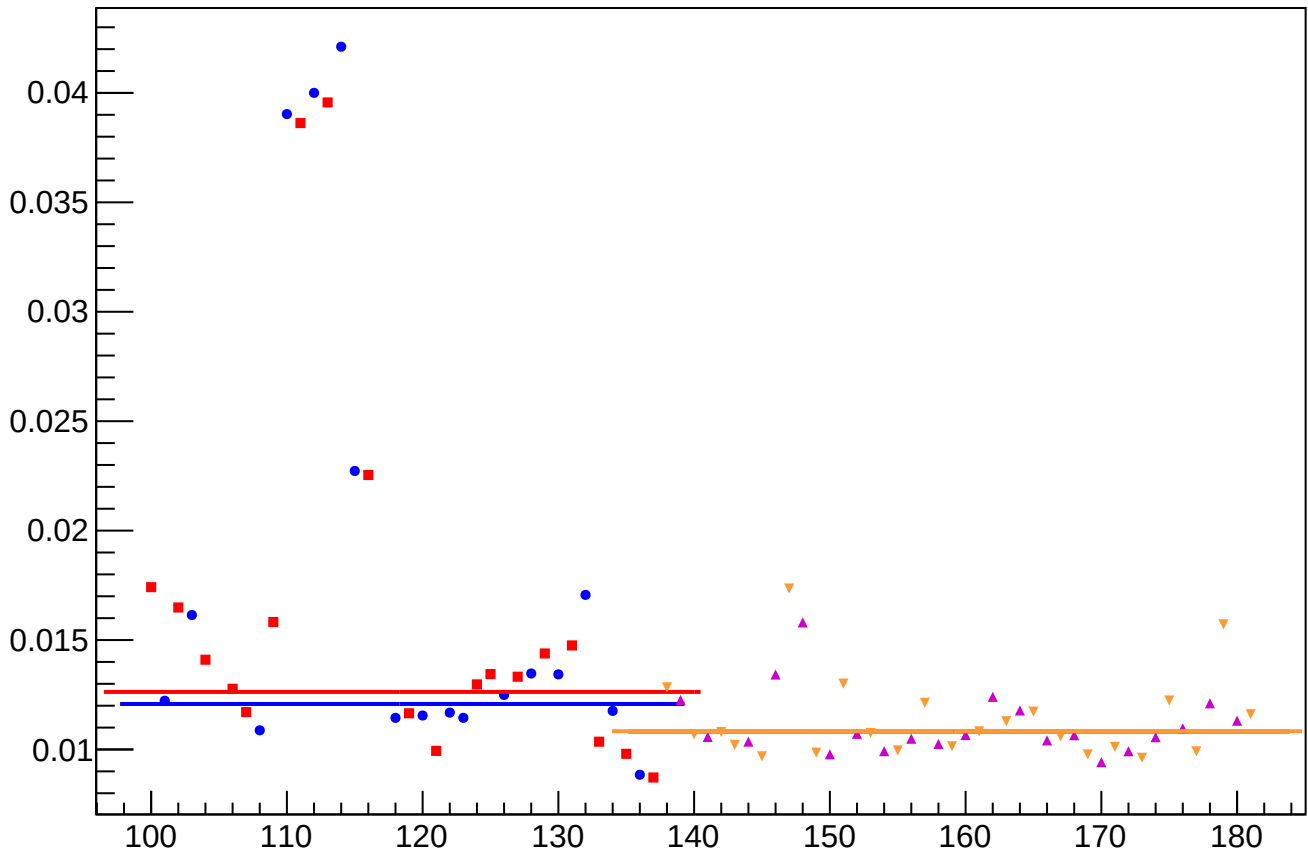
Left In: 0.060 $\pm$ 0.000 χ^2 /NDF: 57266116.8/20

+ sign 0.112 $\pm$ 0.000 χ^2 /NDF: 6965429110.0/39

All: 0.116 $\pm$ 0.000 χ^2 /NDF: 14770754668.7/77

- sign 0.121 $\pm$ 0.000 χ^2 /NDF: 7798386645.7/39

yield_bpm4ecY_rms vs Slug



Right In: 0.012 +/- 0.000 χ^2/NDF : 1276713.5/16

Left Out: 0.011 +/- 0.000 χ^2/NDF : 542119.7/22

Right Out: 0.013 +/- 0.000 χ^2/NDF : 1235880.5/18

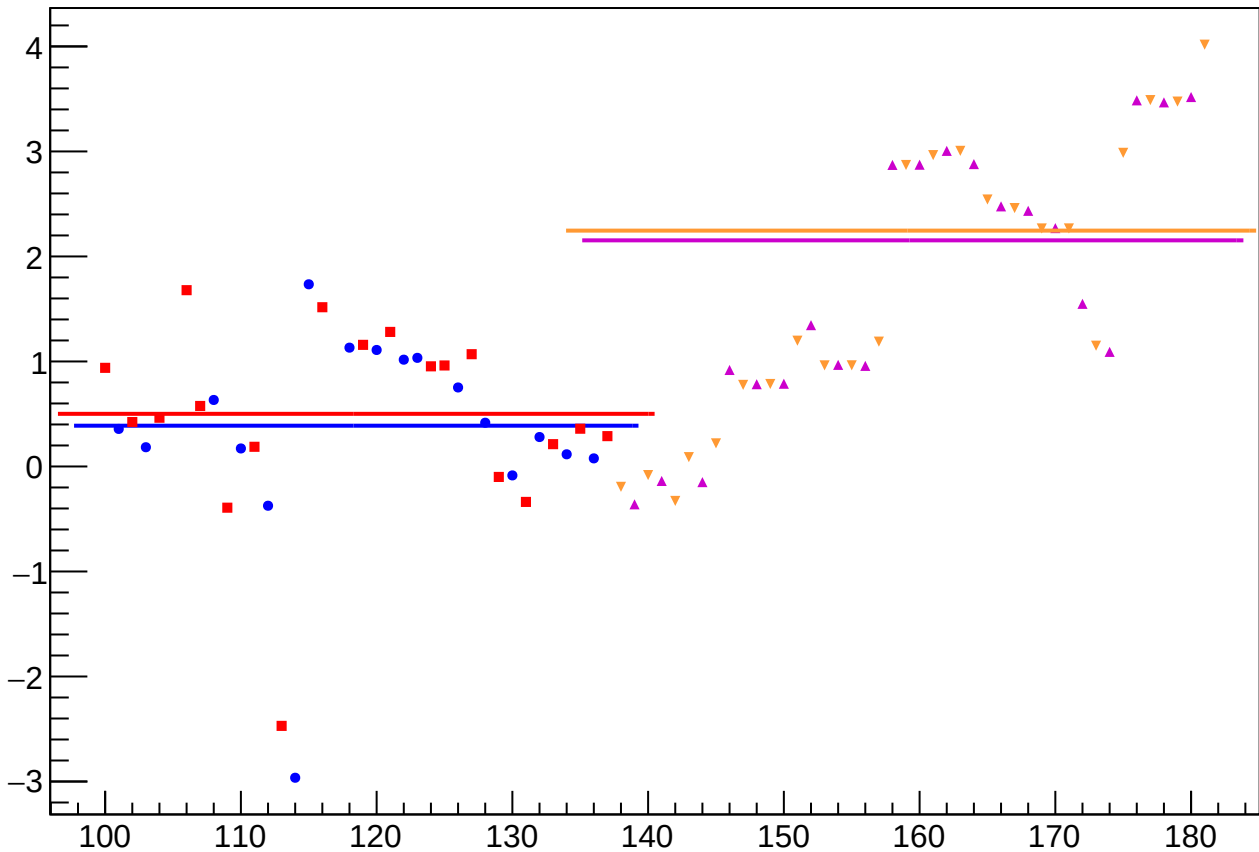
Left In: 0.011 +/- 0.000 χ^2/NDF : 369762.5/20

+ sign 0.011 +/- 0.000 χ^2/NDF : 1912486.1/39

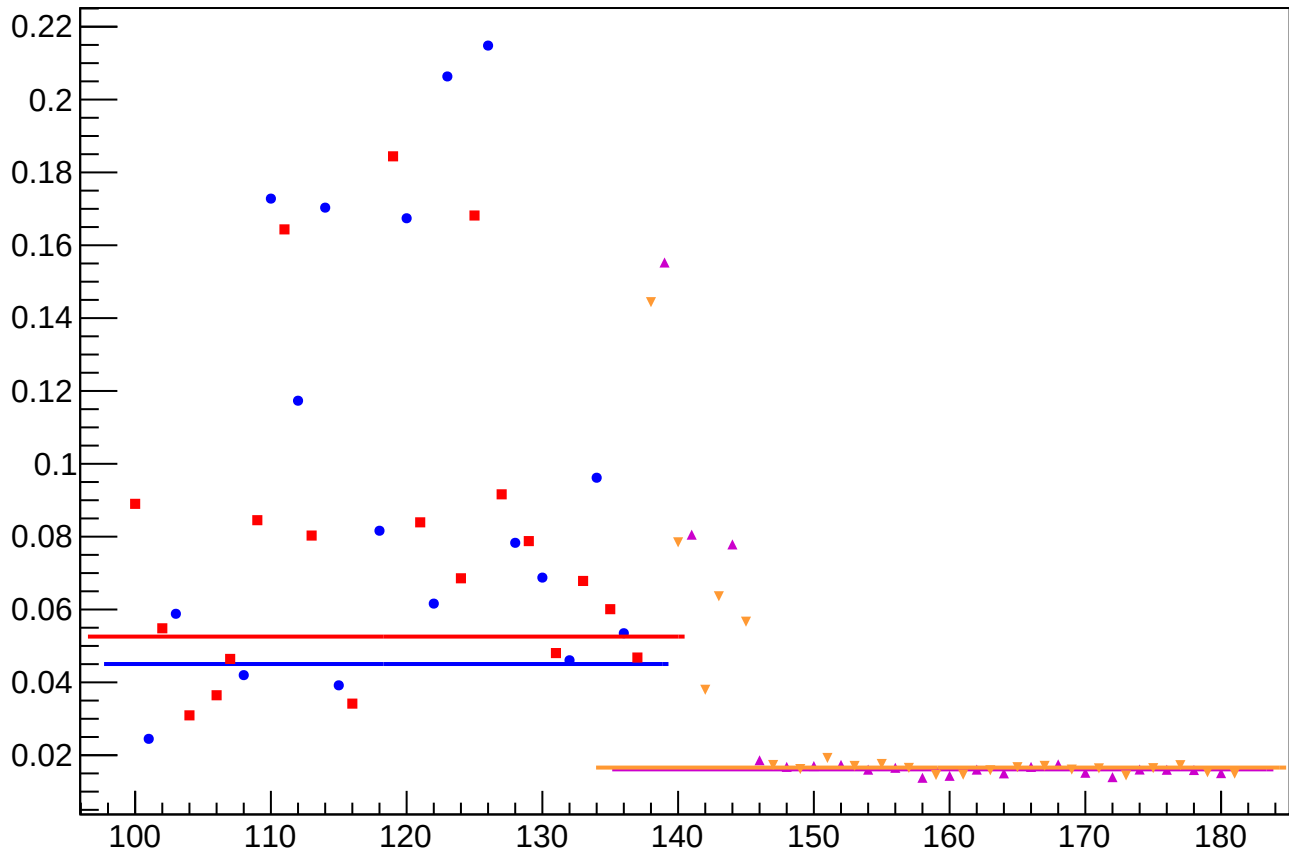
All: 0.011 +/- 0.000 χ^2/NDF : 3708644.8/79

- sign 0.011 +/- 0.000 χ^2/NDF : 1794196.7/39

yield_bpm1X_mean vs Slug



yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2830669.1/16

Left Out: 0.017+/-0.000 χ^2/NDF : 2809535.6/22

Right Out: 0.053+/-0.000 χ^2/NDF : 2177690.7/18

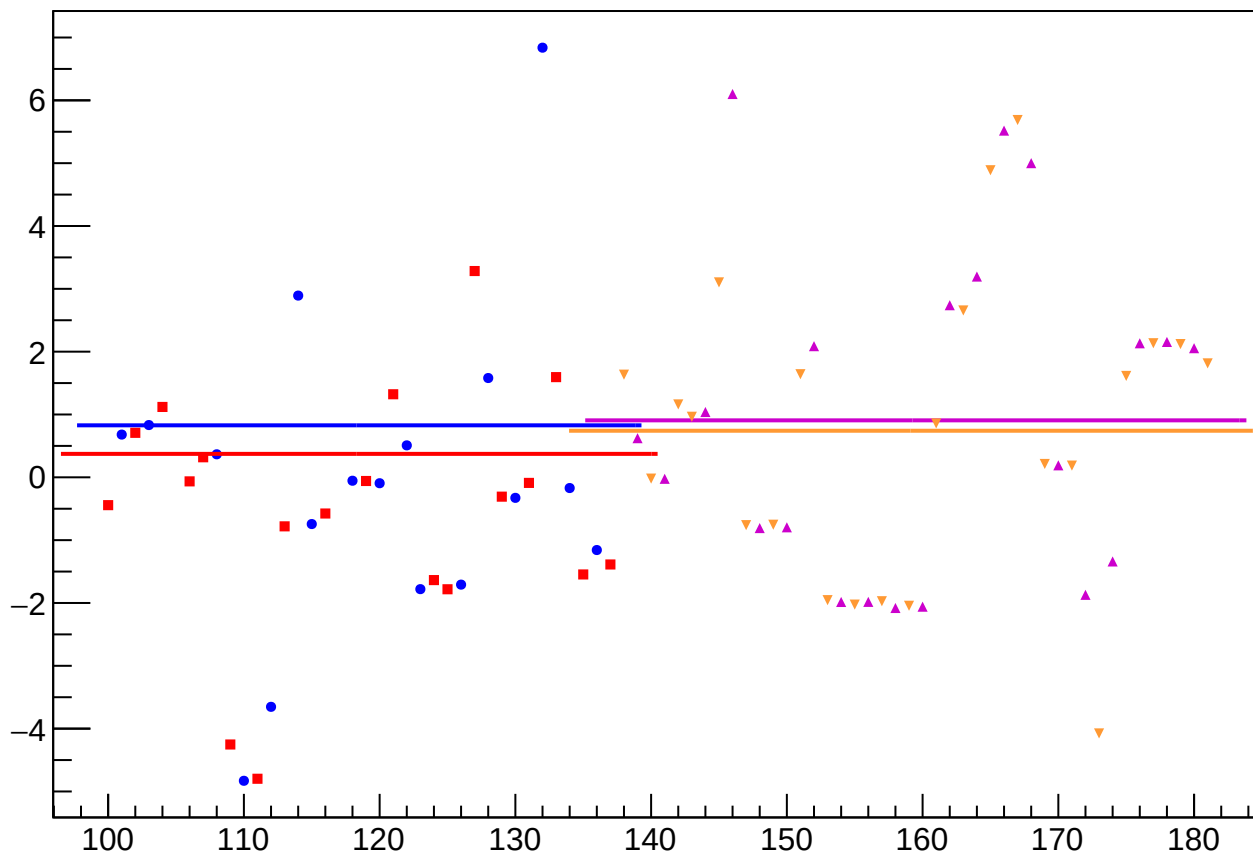
Left In: 0.016+/-0.000 χ^2/NDF : 2388822.1/20

+ sign 0.018+/-0.000 χ^2/NDF : 8365767.1/39

All: 0.017+/-0.000 χ^2/NDF : 16781790.0/79

- sign 0.017+/-0.000 χ^2/NDF : 8408209.5/39

yield_bpm1Y_mean vs Slug



Right In: 0.828 ± 0.000 χ^2/NDF : 10934615588.5/16

Left Out: 0.741 ± 0.000 χ^2/NDF : 502474730096.9/22

Right Out: 0.373 ± 0.000 χ^2/NDF : 4968052358.8/18

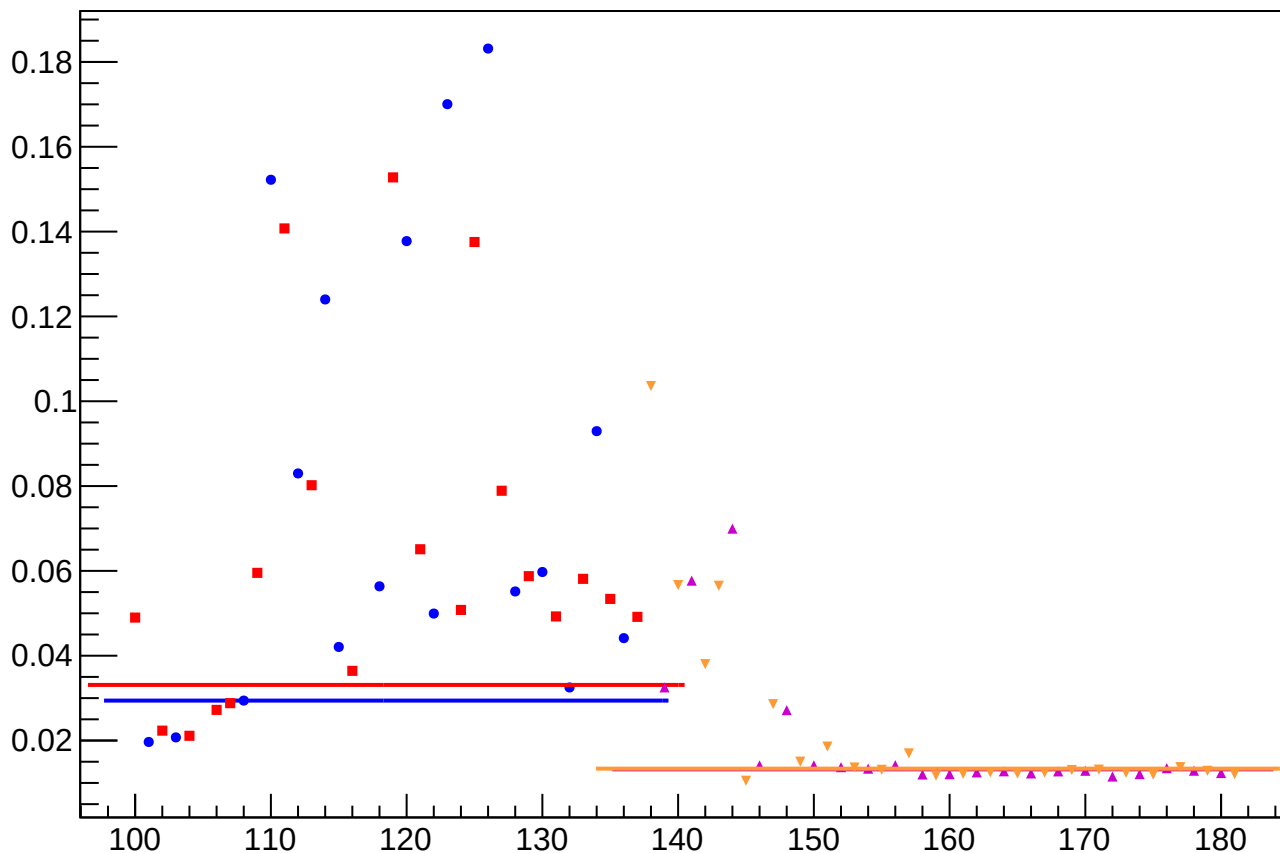
Left In: 0.907 ± 0.000 χ^2/NDF : 563170789828.8/20

+ sign 0.745 ± 0.000 χ^2/NDF : 513437189493.3/39

All: 0.814 ± 0.000 χ^2/NDF : 1083321932607.

- sign 0.884 ± 0.000 χ^2/NDF : 569092009815.6/39

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 3034312.5/16

Left Out: 0.013+/-0.000 χ^2/NDF :2914495.4/22

Right Out: 0.033+/-0.000 χ^2/NDF : 3078516.1/18

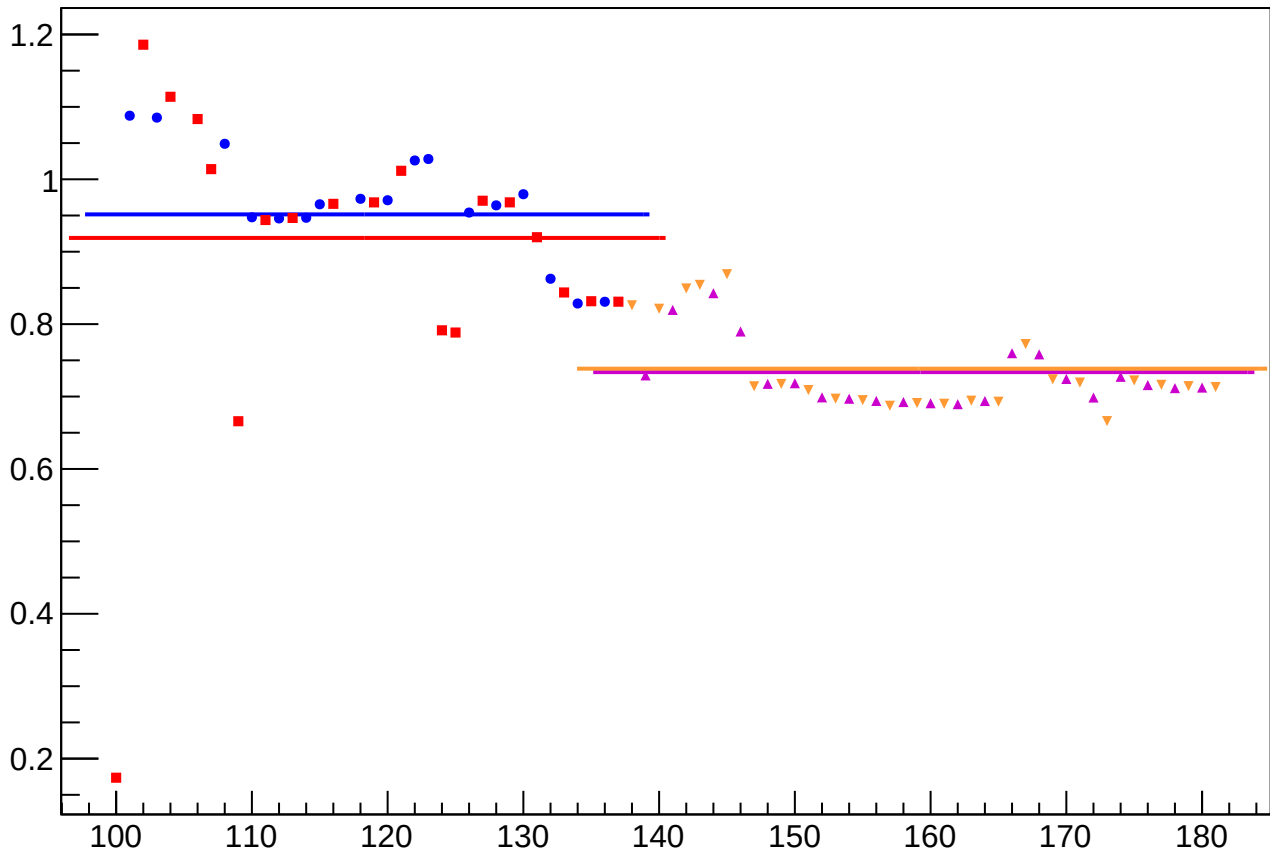
Left In: 0.013+/-0.000 χ^2/NDF :1938355.1/20

+ sign 0.014+/-0.000 χ^2/NDF : 7877971.4/39

All: 0.014+/-0.000 χ^2/NDF : 15549749.3/79

- sign 0.014+/-0.000 χ^2/NDF : 7671254.4/39

yield_bpm11X_mean vs Slug



Right In: 0.952 $\pm$ 0.000 χ^2 /NDF: 173959453.0/16

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF: 296621620.1/22

+ sign 0.797 $\pm$ 0.000 χ^2 /NDF: 1484935039.5/39

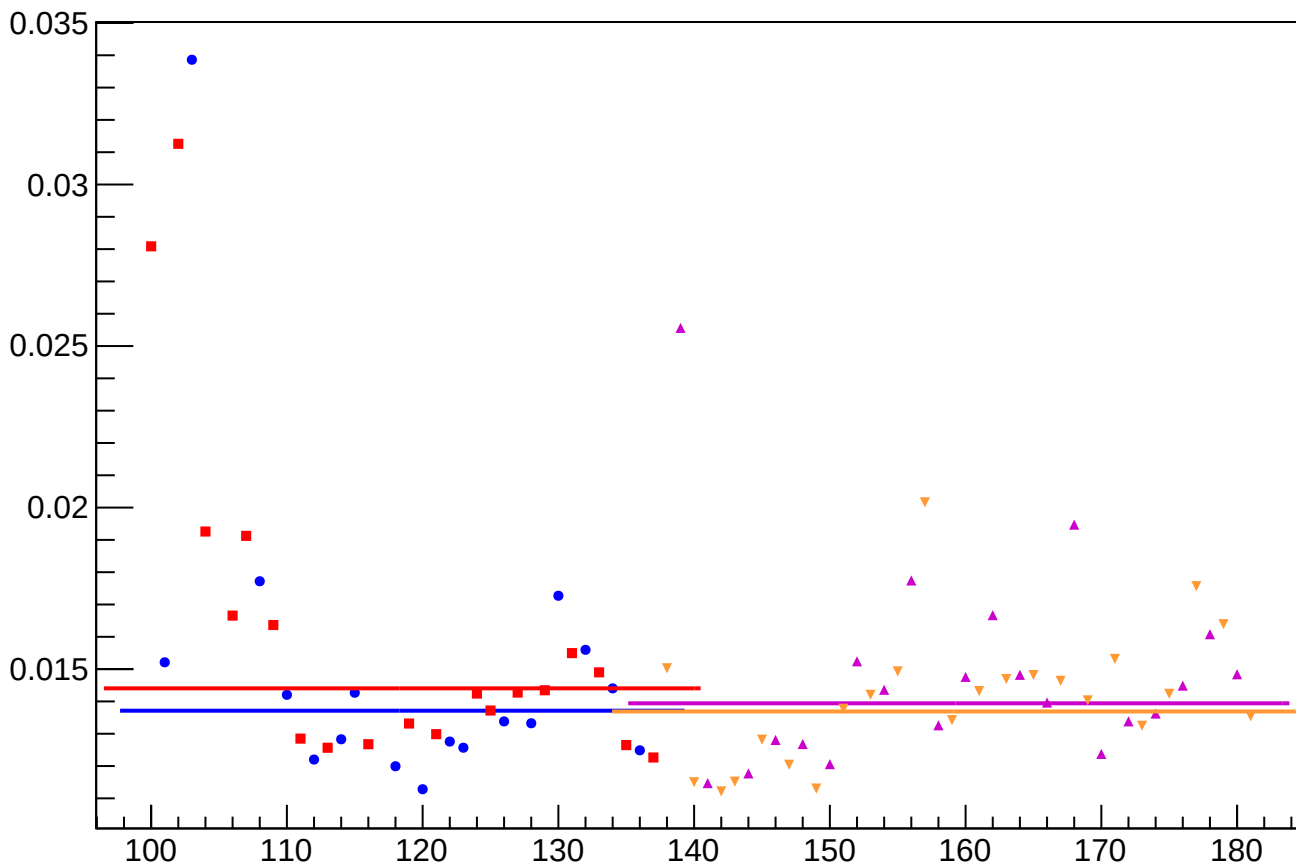
Right Out: 0.919 $\pm$ 0.000 χ^2 /NDF: 374715264.1/18

All: 0.792 $\pm$ 0.000 χ^2 /NDF: 2755723761.5/79

- sign 0.786 $\pm$ 0.000 χ^2 /NDF: 1264114745.1/39

Left In: 0.734 $\pm$ 0.000 χ^2 /NDF: 168563422.8/20

yield_bpm11X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 546221.8/16

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 511351.2/22

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 502019.0/18

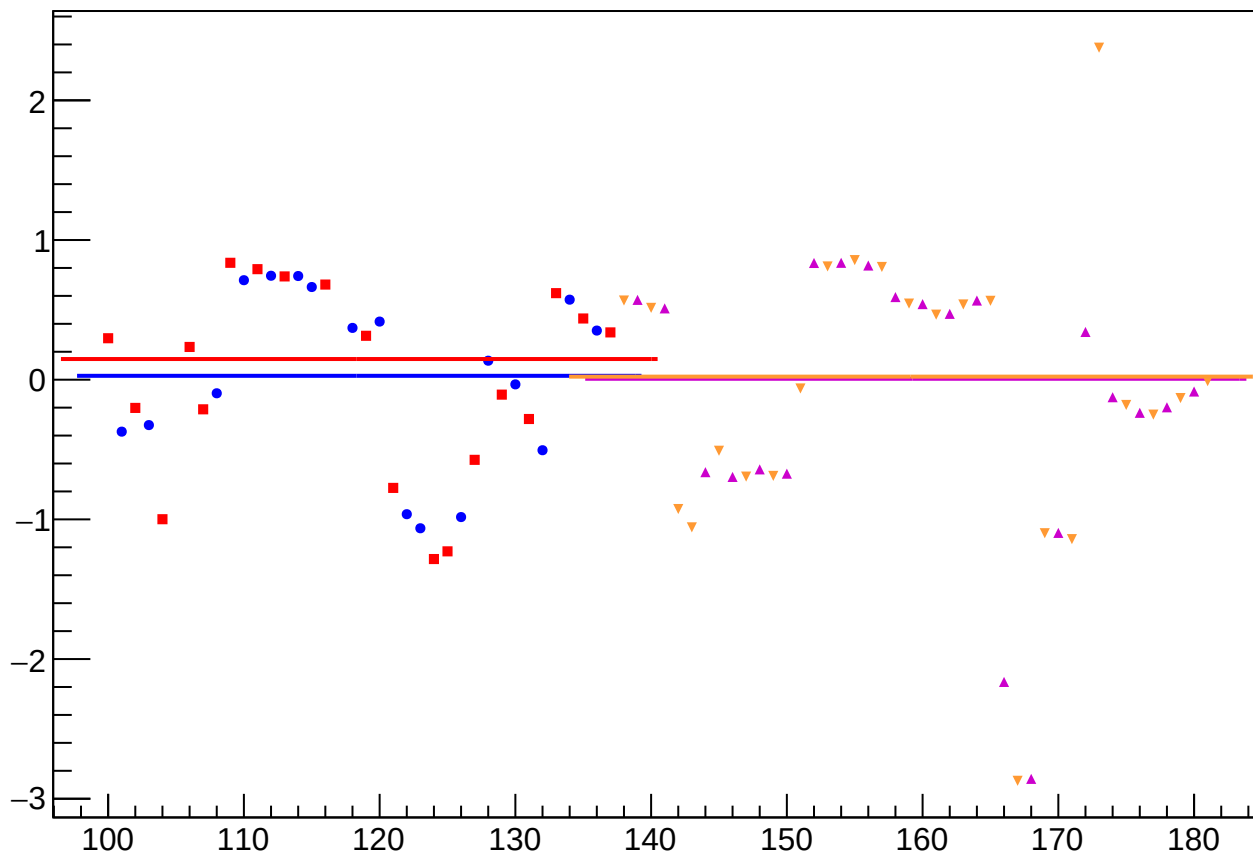
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF: 762646.6/20

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1057599.9/39

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2346596.6/79

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1273677.5/39

yield_bpm11Y_mean vs Slug



Right In: 0.028 $\pm$ 0.000 χ^2 /NDF: 6330660019.5/16

Left Out: 0.022 $\pm$ 0.000 χ^2 /NDF: 95595145572.1/22

Right Out: 0.148 $\pm$ 0.000 χ^2 /NDF: 12786884425.3/18

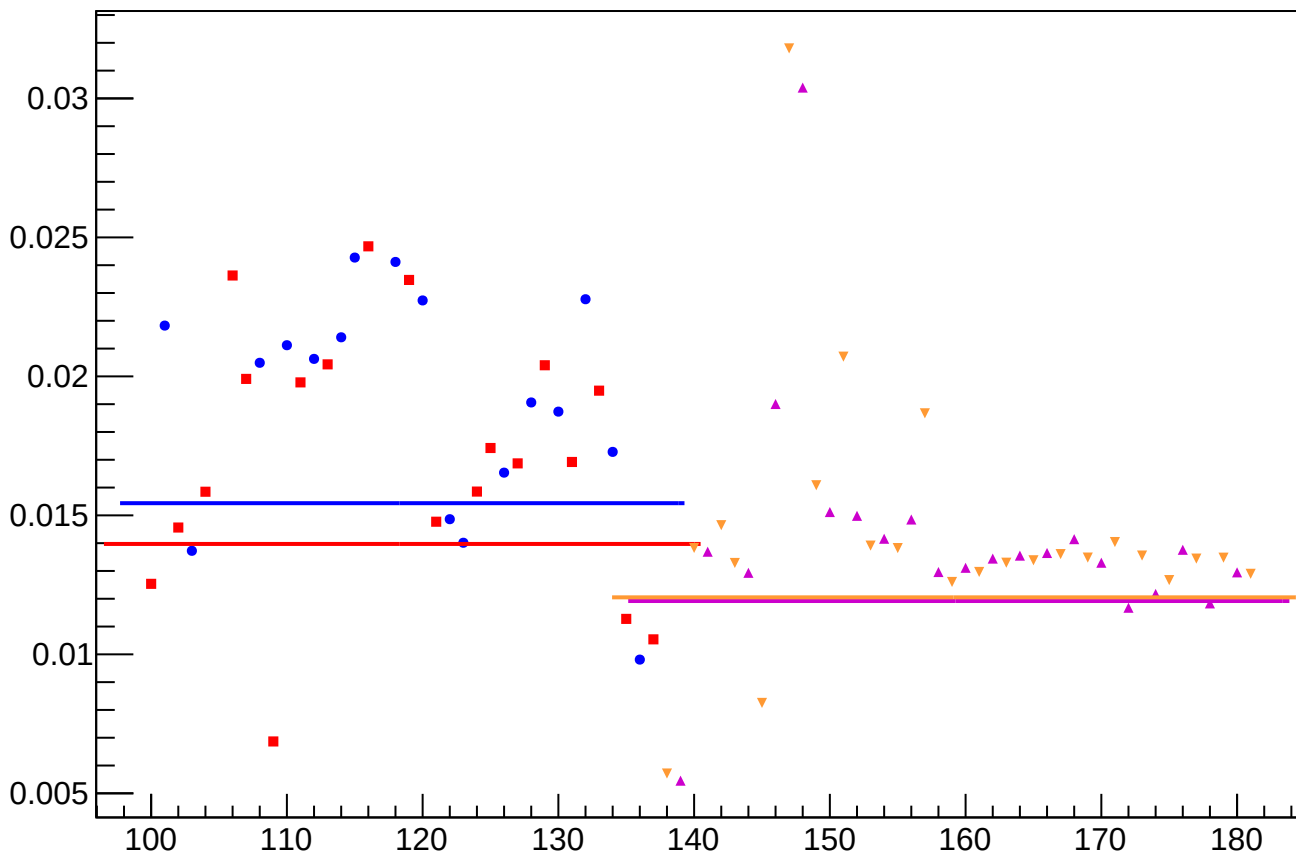
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF: 78804386177.6/20

+ sign 0.023 $\pm$ 0.000 χ^2 /NDF: 101926466305.9/39

All: 0.031 $\pm$ 0.000 χ^2 /NDF: 193976241448.0

- sign 0.038 $\pm$ 0.000 χ^2 /NDF: 92034850604.6/39

yield_bpm11Y_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1160014.9/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 3091746.8/22

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 1556431.6/18

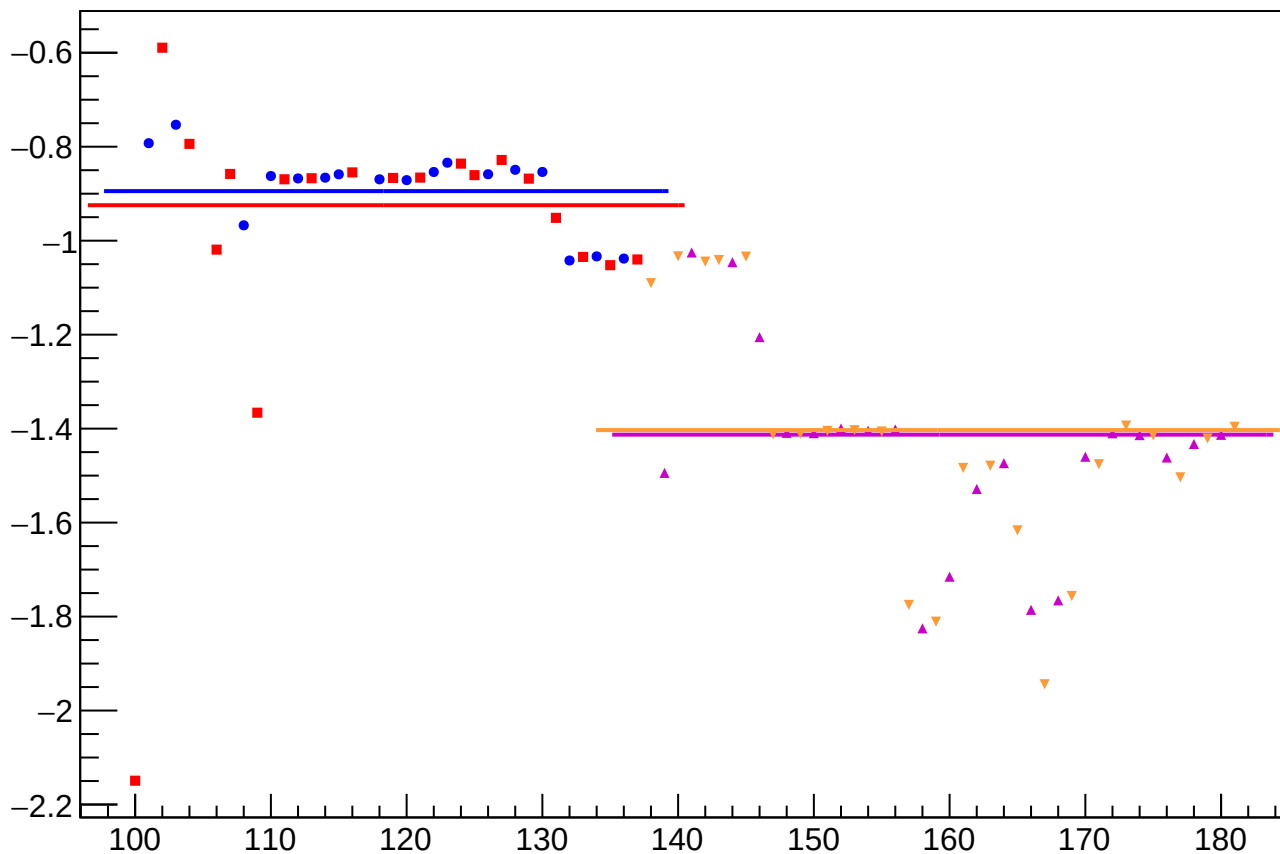
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2980677.8/20

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 4693539.0/39

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 9429219.7/79

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 4724180.4/39

yield_bpm12X_mean vs Slug



Right In: -0.895+/-0.000 χ^2/NDF : 37736129.8/16

Left Out: -1.403+/-0.000 χ^2/NDF : 721740445.8/22

Right Out: -0.925+/-0.000 χ^2/NDF : 128456555.8/18

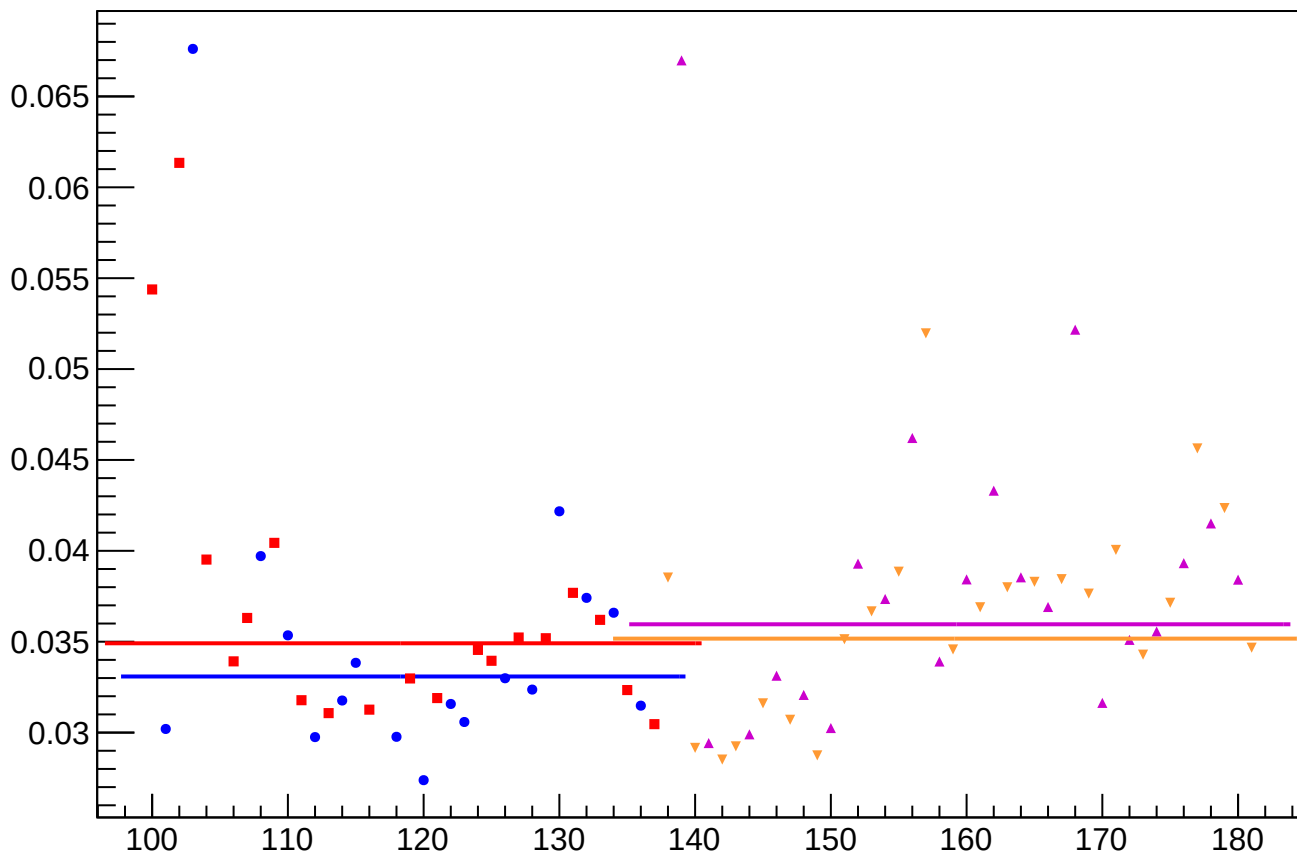
Left In: -1.413+/-0.000 χ^2/NDF : 512266052.2/20

+ sign -1.248+/-0.000 χ^2/NDF : 1720720405.5/39

All: -1.254+/-0.000 χ^2/NDF : 3187515612.7/77

- sign -1.260+/-0.000 χ^2/NDF : 1465564217.8/39

yield_bpm12X_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 408714.5/16

Left Out: 0.035+/-0.000 χ^2/NDF : 576875.2/22

Right Out: 0.035+/-0.000 χ^2/NDF : 274757.5/18

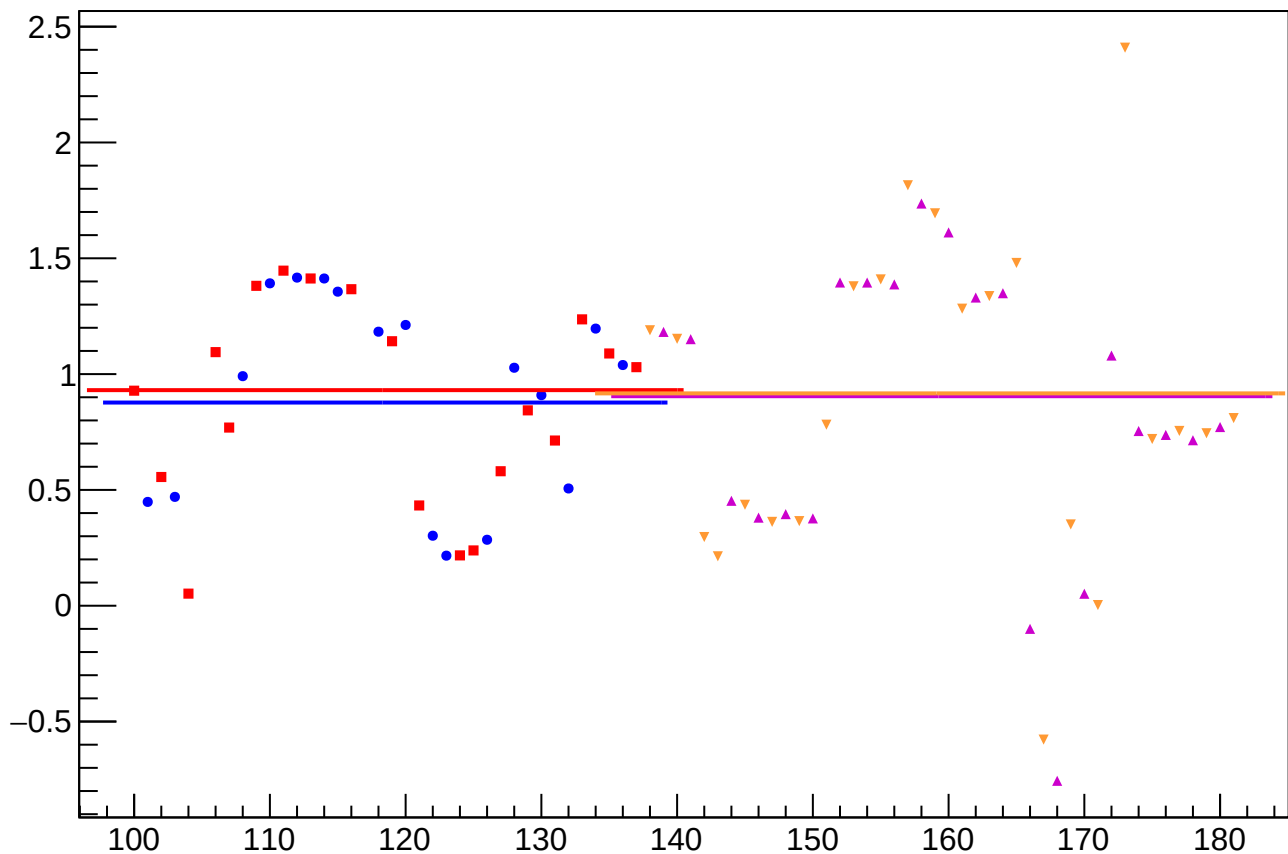
Left In: 0.036+/-0.000 χ^2/NDF : 855255.3/20

+ sign 0.035+/-0.000 χ^2/NDF : 1017842.0/39

All: 0.035+/-0.000 χ^2/NDF : 2175633.3/79

- sign 0.036+/-0.000 χ^2/NDF : 1137581.7/39

yield_bpm12Y_mean vs Slug



Right In: 0.877 $\pm$ 0.000 χ^2 /NDF: 6492530367.5/16

Left Out: 0.917 $\pm$ 0.000 χ^2 /NDF: 83369161803.1/22

Right Out: 0.931 $\pm$ 0.000 χ^2 /NDF: 9963132374.2/18

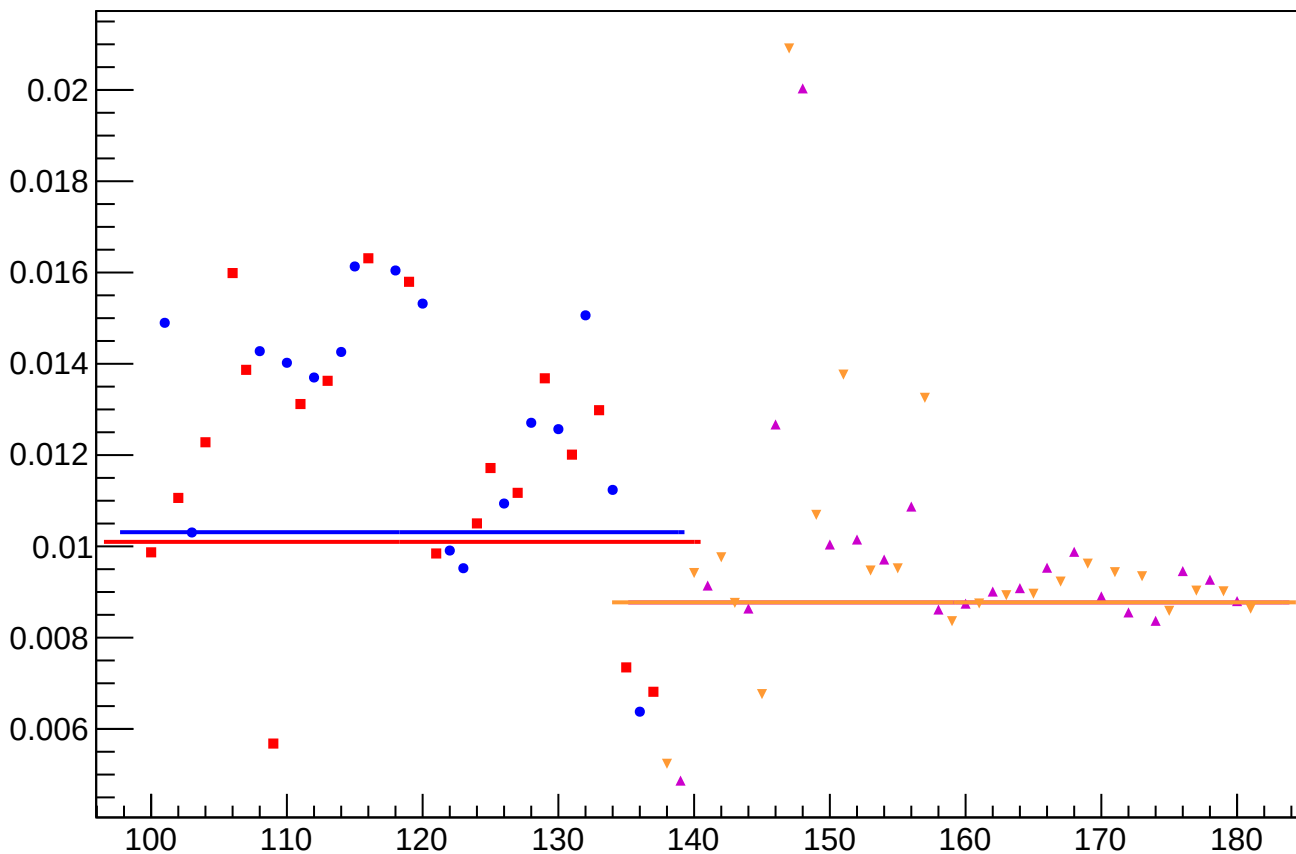
Left In: 0.905 $\pm$ 0.000 χ^2 /NDF: 66382318388.2/20

+ sign 0.909 $\pm$ 0.000 χ^2 /NDF: 89927155716.4/39

All: 0.910 $\pm$ 0.000 χ^2 /NDF: 166303214172.2

- sign 0.911 $\pm$ 0.000 χ^2 /NDF: 76375615612.4/39

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1229309.4/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1696989.2/22

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1175272.9/18

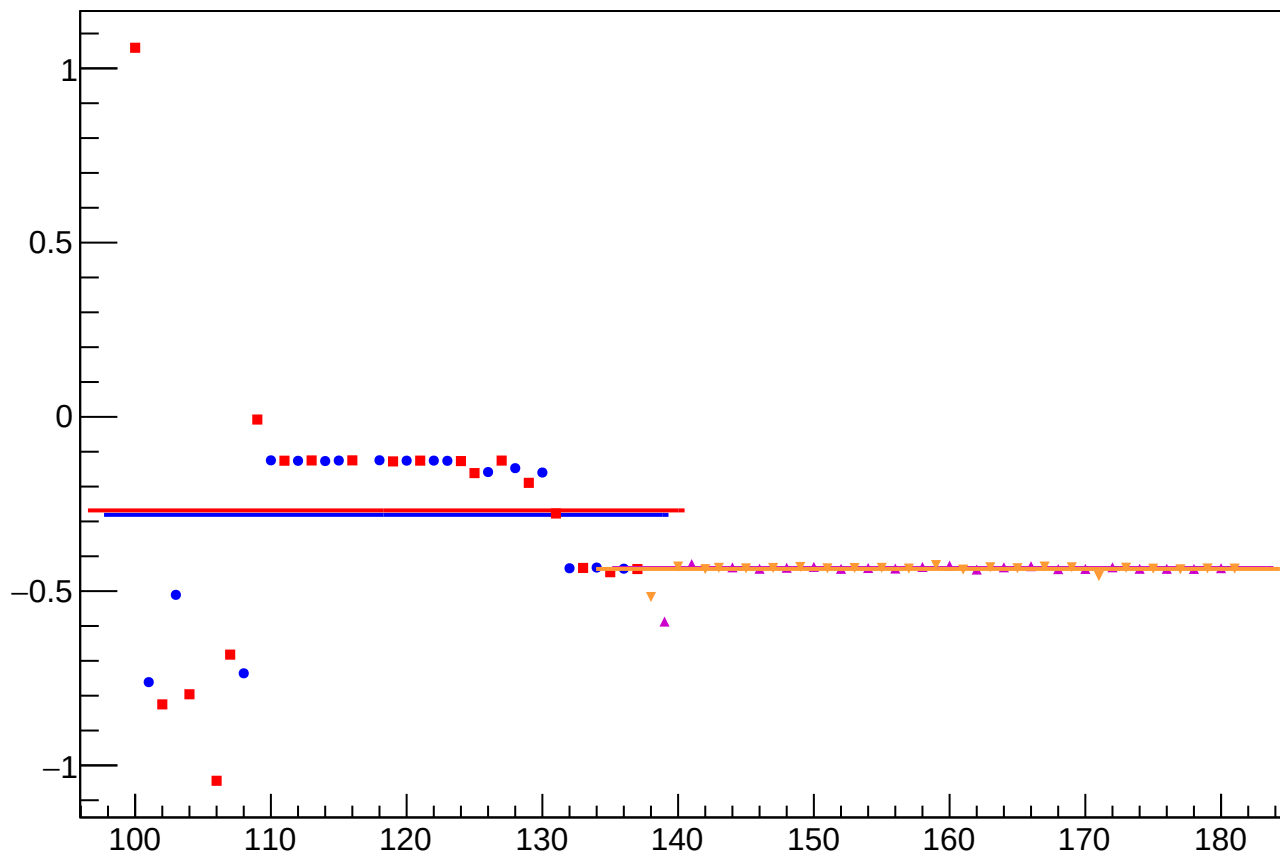
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1607893.1/20

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3124171.4/39

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6062319.8/79

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2938125.3/39

yield_bpm16X_mean vs Slug



Right In: -0.281 ± 0.000 χ^2/NDF : 905834039.3/16

Left Out: -0.436 ± 0.000 χ^2/NDF : 28773698.0/22

Right Out: -0.268 ± 0.000 χ^2/NDF : 967576606.4/18

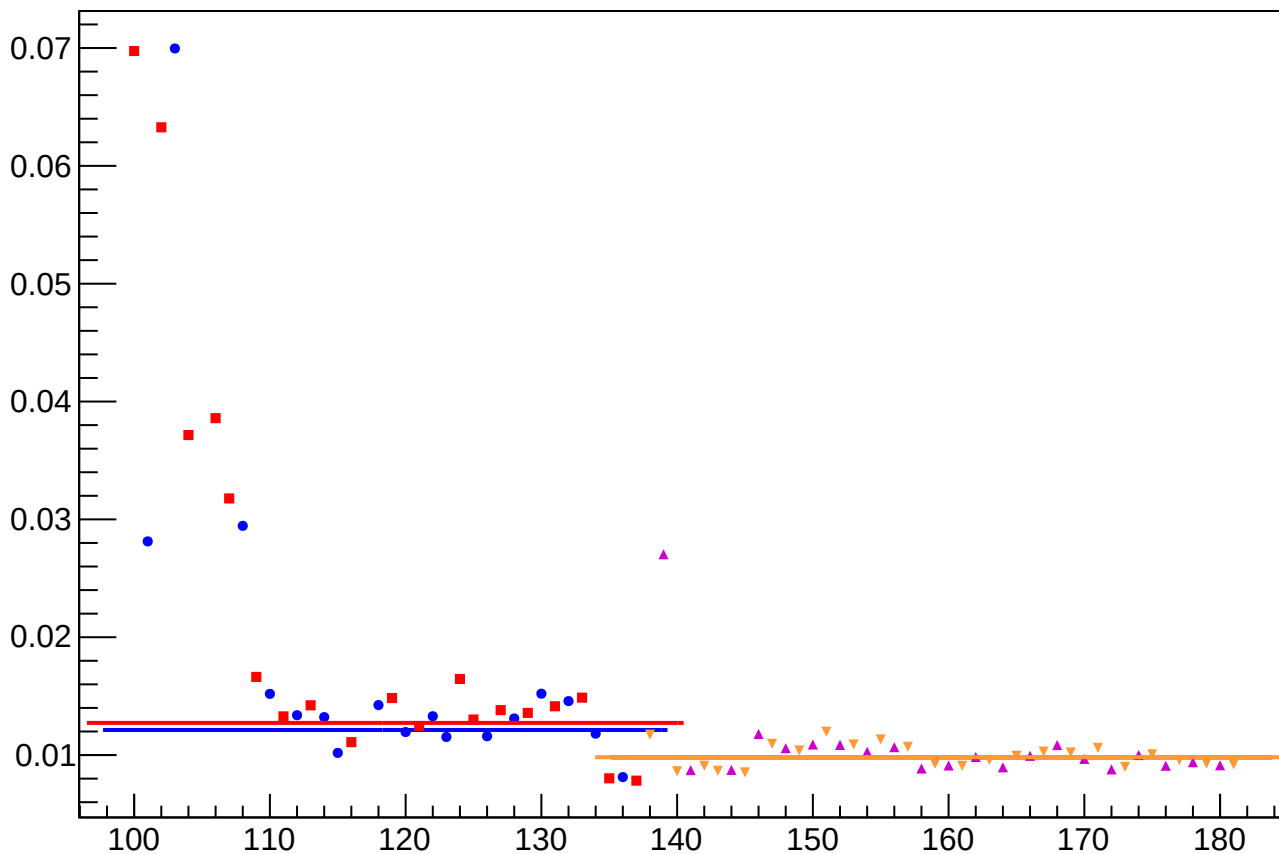
Left In: -0.434 ± 0.000 χ^2/NDF : 23788321.5/20

+ sign -0.409 ± 0.000 χ^2/NDF : 1571503869.8/39

All: -0.407 ± 0.000 χ^2/NDF : 3238401649.7/77

- sign -0.405 ± 0.000 χ^2/NDF : 1665299895.8/39

yield_bpm16X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1724778.2/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:260316.2/22

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1970038.2/18

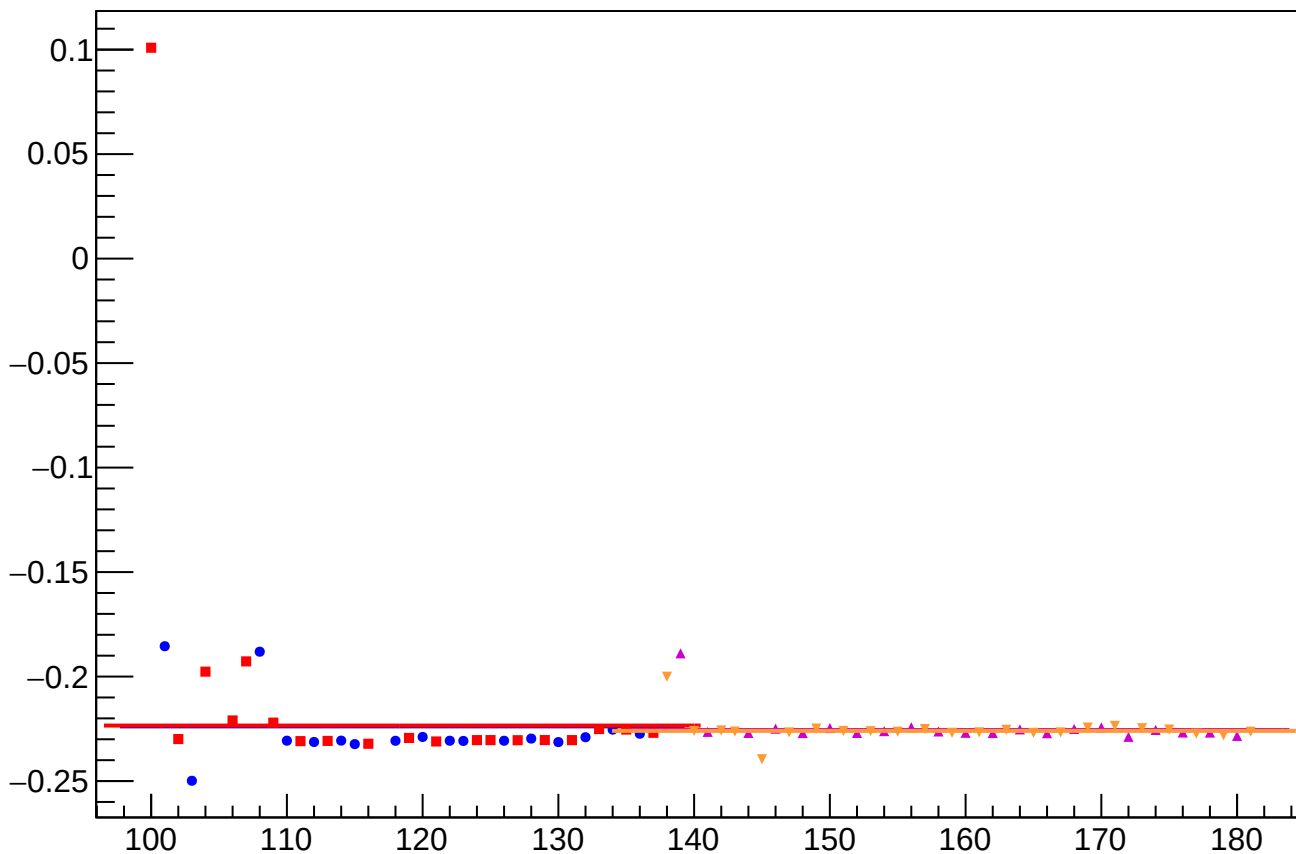
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:745797.2/20

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2267494.5/39

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 5409222.7/79

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3140482.2/39

yield_bpm16Y_mean vs Slug



Right In: -0.224+/-0.000 χ^2/NDF : 74308262.0/16

Left Out: -0.226+/-0.000 χ^2/NDF : 21098661.6/22

Right Out: -0.223+/-0.000 χ^2/NDF : 167796311.6/18

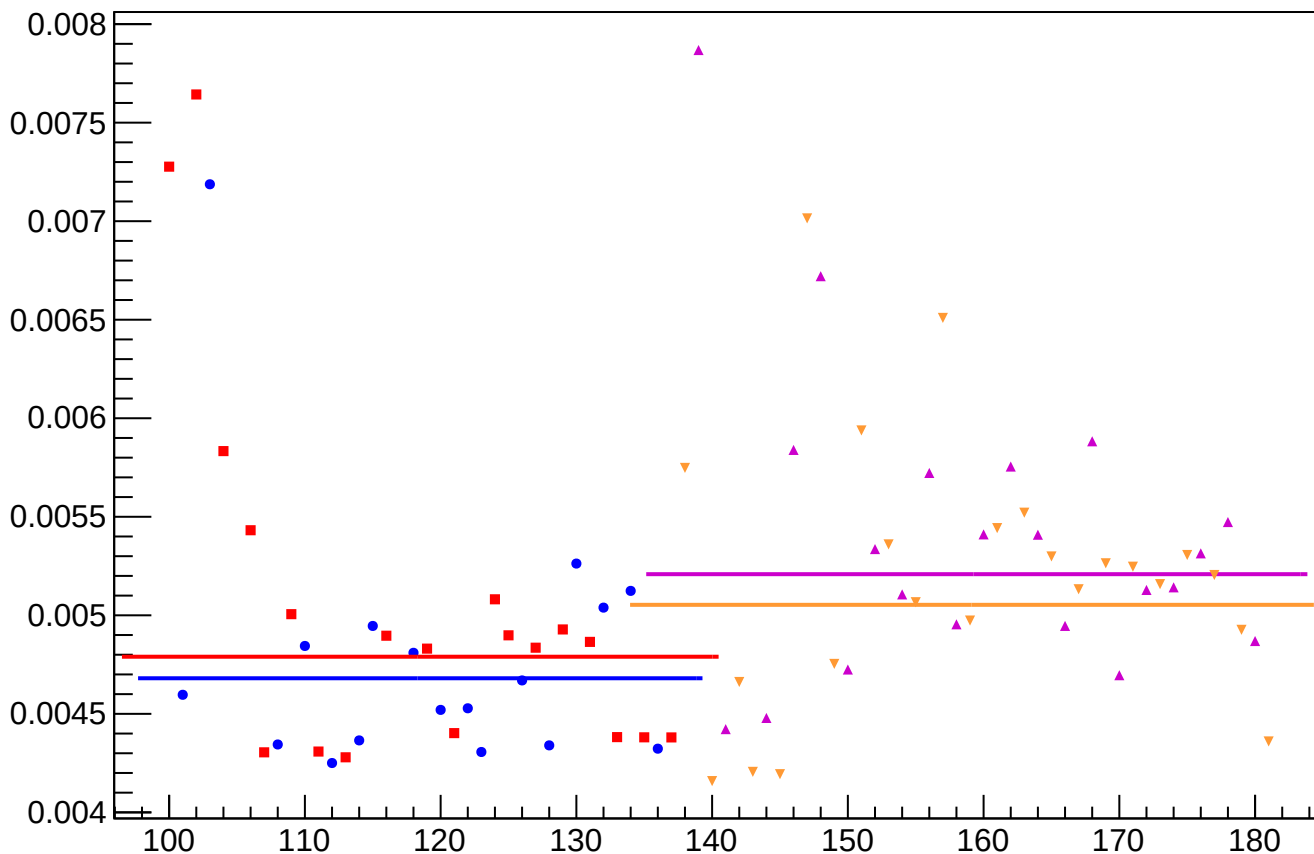
Left In: -0.226+/-0.000 χ^2/NDF : 15099054.5/20

+ sign -0.225+/-0.000 χ^2/NDF : 96302660.9/39

All: -0.225+/-0.000 χ^2/NDF : 280142724.6/79

- sign -0.225+/-0.000 χ^2/NDF : 183752088.8/39

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 180630.9/16

Left Out: 0.005+/-0.000 χ^2/NDF : 498705.5/22

Right Out: 0.005+/-0.000 χ^2/NDF : 248518.8/18

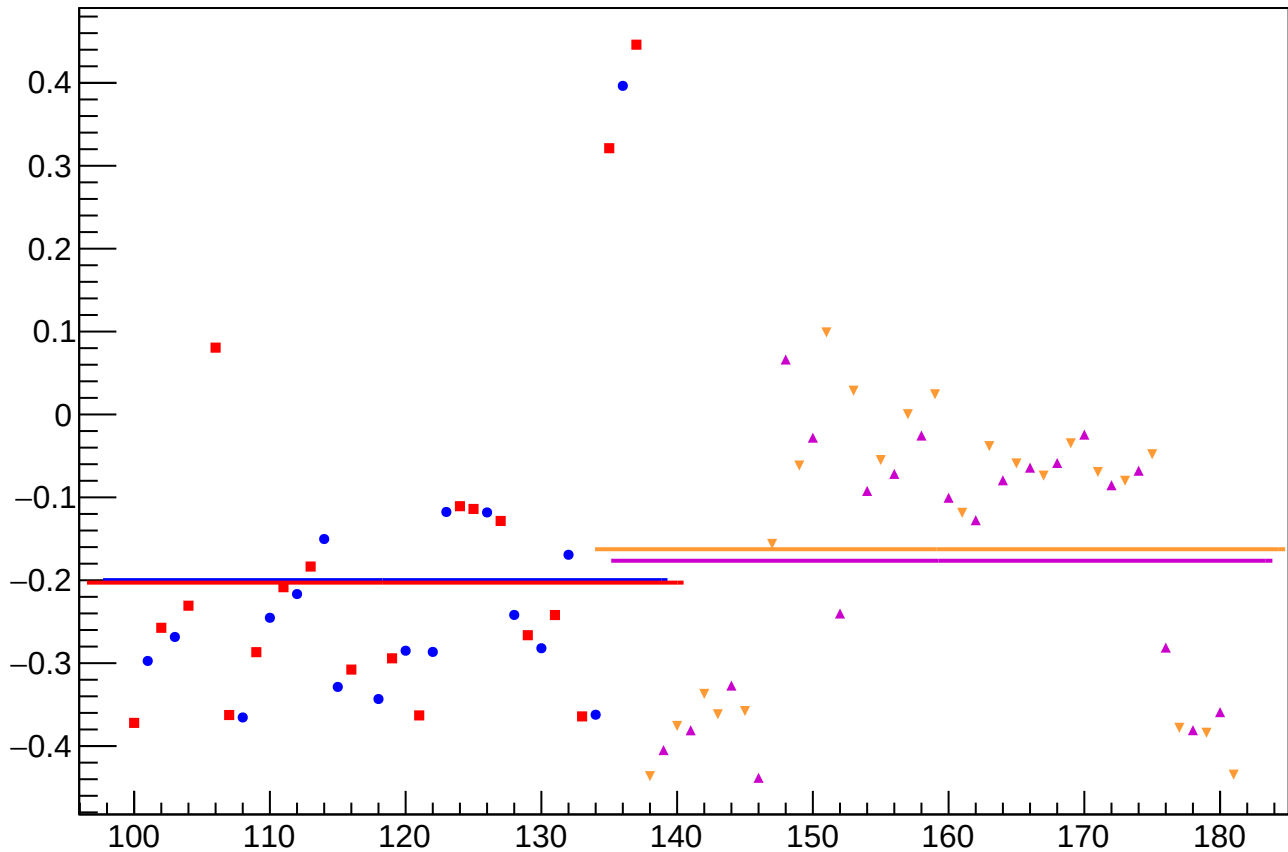
Left In: 0.005+/-0.000 χ^2/NDF : 438895.7/20

+ sign 0.005+/-0.000 χ^2/NDF : 732640.9/39

All: 0.005+/-0.000 χ^2/NDF : 1500124.9/79

- sign 0.005+/-0.000 χ^2/NDF : 752759.3/39

yield_bpm0i02X_mean vs Slug



Right In: -0.200 ± 0.000 χ^2/NDF : 5966157035.1/16

Left Out: -0.163 ± 0.000 χ^2/NDF : 16187516906.4/22

Right Out: -0.203 ± 0.000 χ^2/NDF : 5025528680.0/18

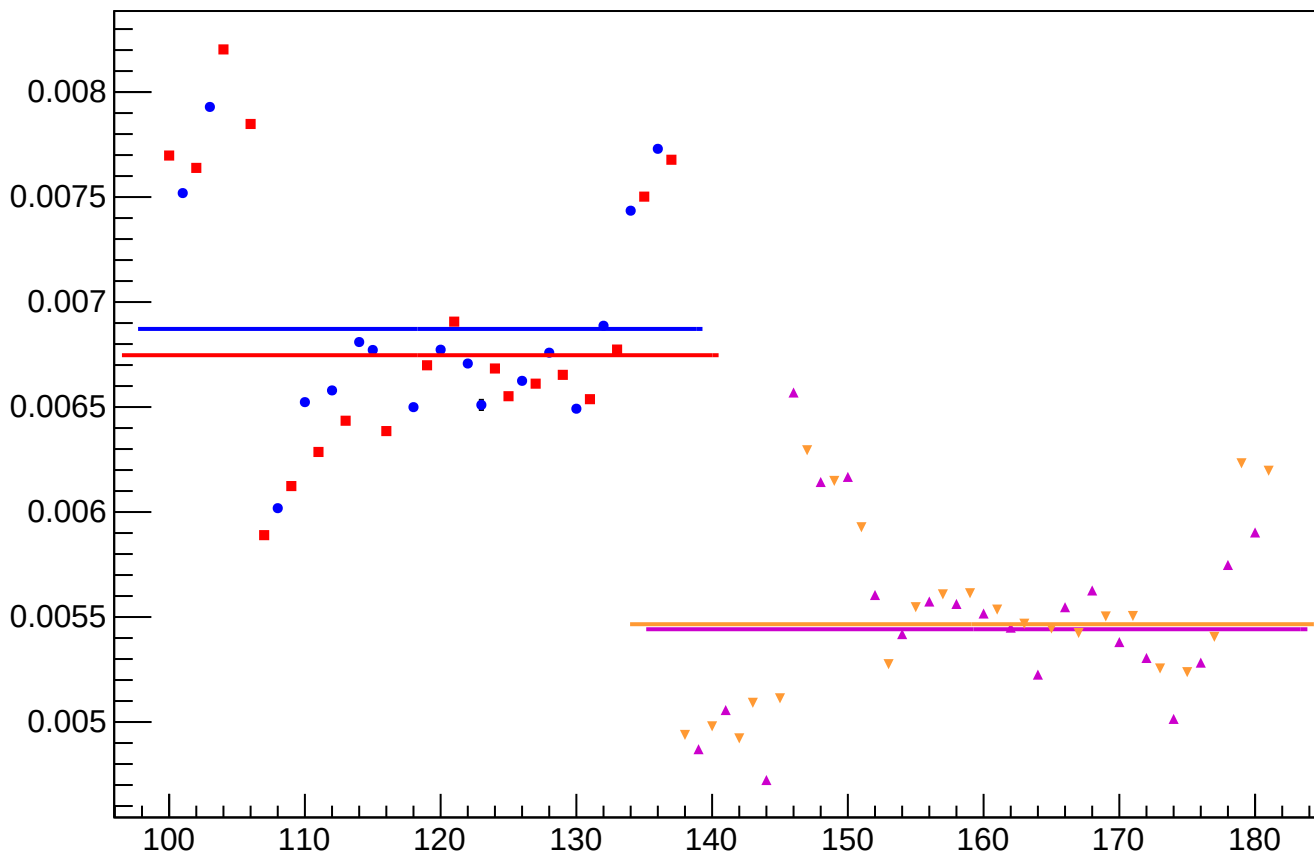
Left In: -0.176 ± 0.000 χ^2/NDF : 11509972975.1/20

+ sign -0.170 ± 0.000 χ^2/NDF : 22307444554.6/39

All: -0.176 ± 0.000 χ^2/NDF : 38976228552.1/39

- sign -0.182 ± 0.000 χ^2/NDF : 16616886028.9/39

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 78685.4/16

Left Out: 0.005+/-0.000 χ^2/NDF :158947.7/22

Right Out: 0.007+/-0.000 χ^2/NDF : 105420.2/18

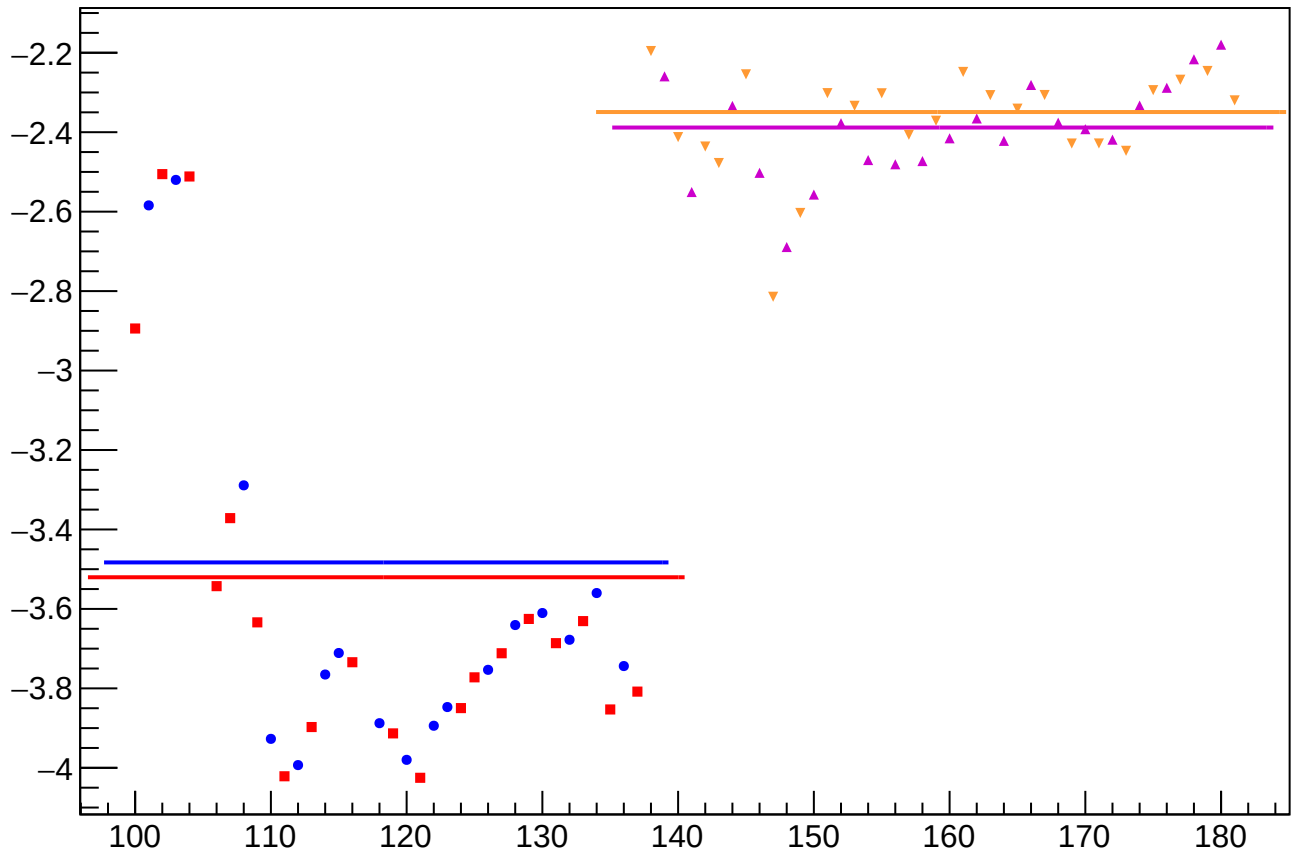
Left In: 0.005+/-0.000 χ^2/NDF :176019.4/20

+ sign 0.006+/-0.000 χ^2/NDF : 675528.0/39

All: 0.006+/-0.000 χ^2/NDF : 1354882.6/79

- sign 0.006+/-0.000 χ^2/NDF : 679239.4/39

yield_bpm0i02Y_mean vs Slug



Right In: -3.483+/-0.000 χ^2/NDF : 27157654838.2/16

Left Out: -2.349+/-0.000 χ^2/NDF : 2119571384.0/22

+ sign -2.710+/-0.000 χ^2/NDF : 117023810558.5/39

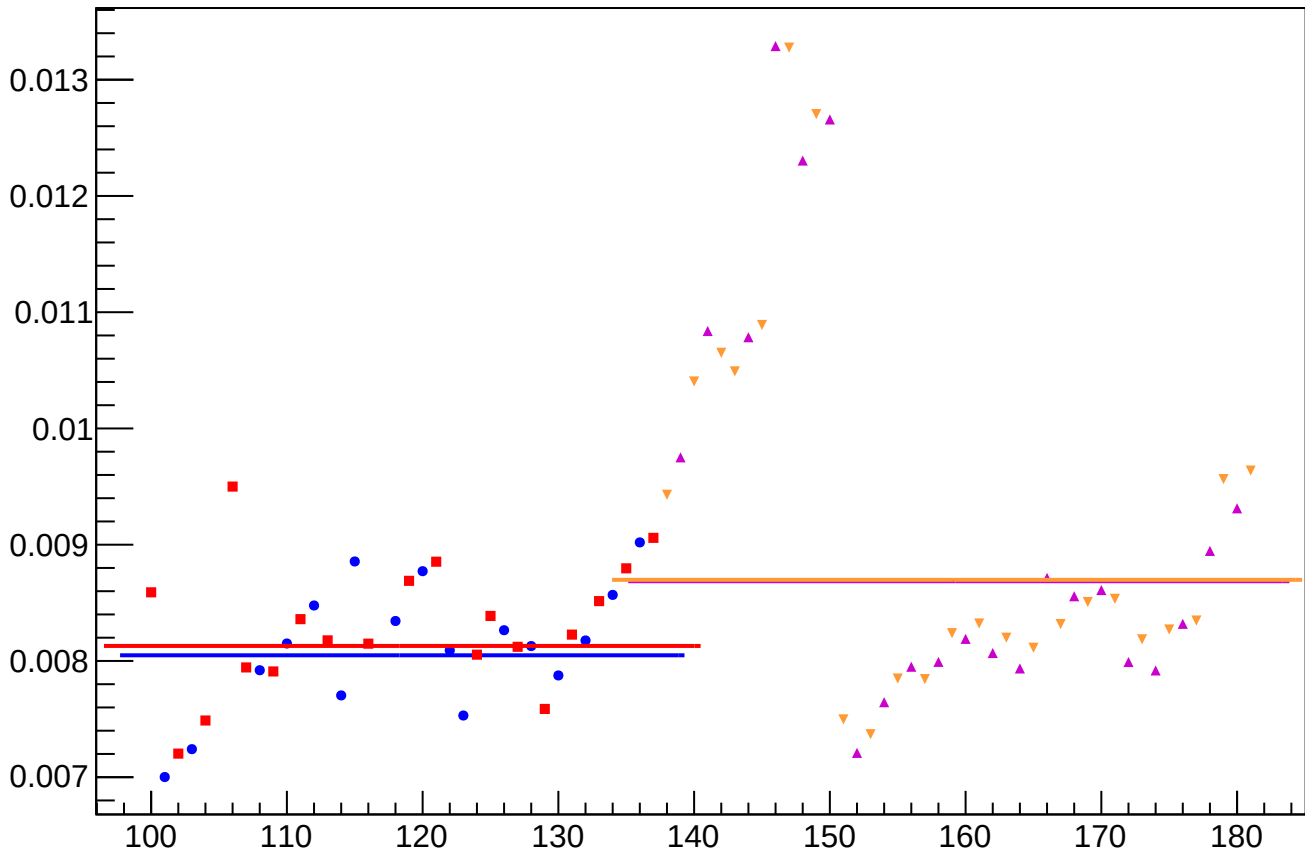
Right Out: -3.520+/-0.000 χ^2/NDF : 26453336521.2/18

All: -2.739+/-0.000 χ^2/NDF : 233076064404.2

Left In: -2.388+/-0.000 χ^2/NDF : 2171284376.3/20

- sign -2.769+/-0.000 χ^2/NDF : 115505737898.1/39

yield_bpm0i02Y_rms vs Slug



Right In: 0.008 ± 0.000 χ^2/NDF : 72176.4/16

Left Out: 0.009 ± 0.000 χ^2/NDF : 635310.4/22

Right Out: 0.008 ± 0.000 χ^2/NDF : 57777.8/18

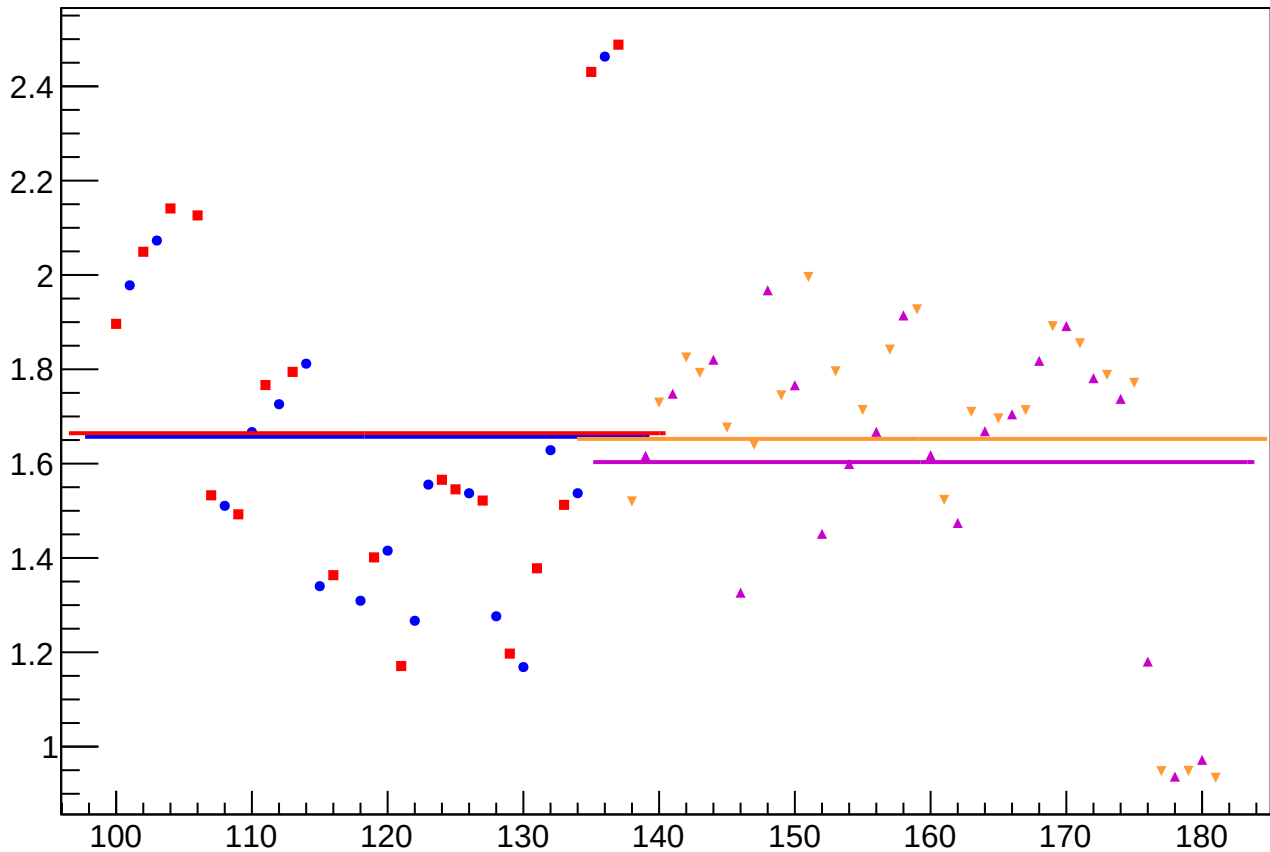
Left In: 0.009 ± 0.000 χ^2/NDF : 738439.8/20

+ sign 0.008 ± 0.000 χ^2/NDF : 765015.4/39

All: 0.008 ± 0.000 χ^2/NDF : 1603260.9/79

- sign 0.008 ± 0.000 χ^2/NDF : 838230.0/39

yield_bpm0i02aX_mean vs Slug



Right In: 1.657 ± 0.000 χ^2/NDF : 6432420267.9/16

Left Out: 1.652 ± 0.000 χ^2/NDF : 13300345690.3/22

Right Out: 1.664 ± 0.000 χ^2/NDF : 5940917748.5/18

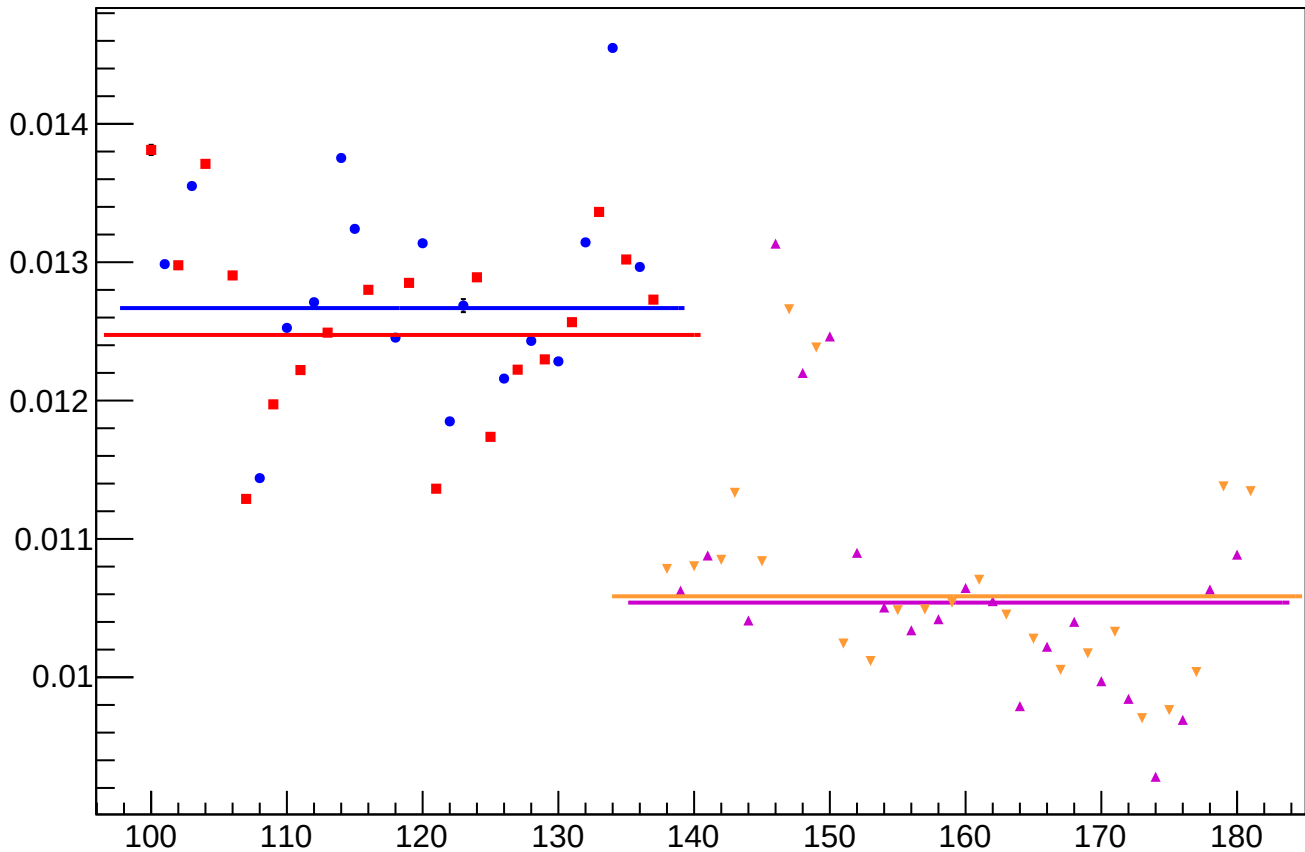
Left In: 1.603 ± 0.000 χ^2/NDF : 11401345866.3/20

+ sign 1.653 ± 0.000 χ^2/NDF : 19733417163.5/39

All: 1.636 ± 0.000 χ^2/NDF : 37319467238.8/7

- sign 1.618 ± 0.000 χ^2/NDF : 17468004200.1/39

yield_bpm0i02aX_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 31725.8/16

Left Out: 0.011+/-0.000 χ^2/NDF :135566.5/22

Right Out: 0.012+/-0.000 χ^2/NDF : 38559.4/18

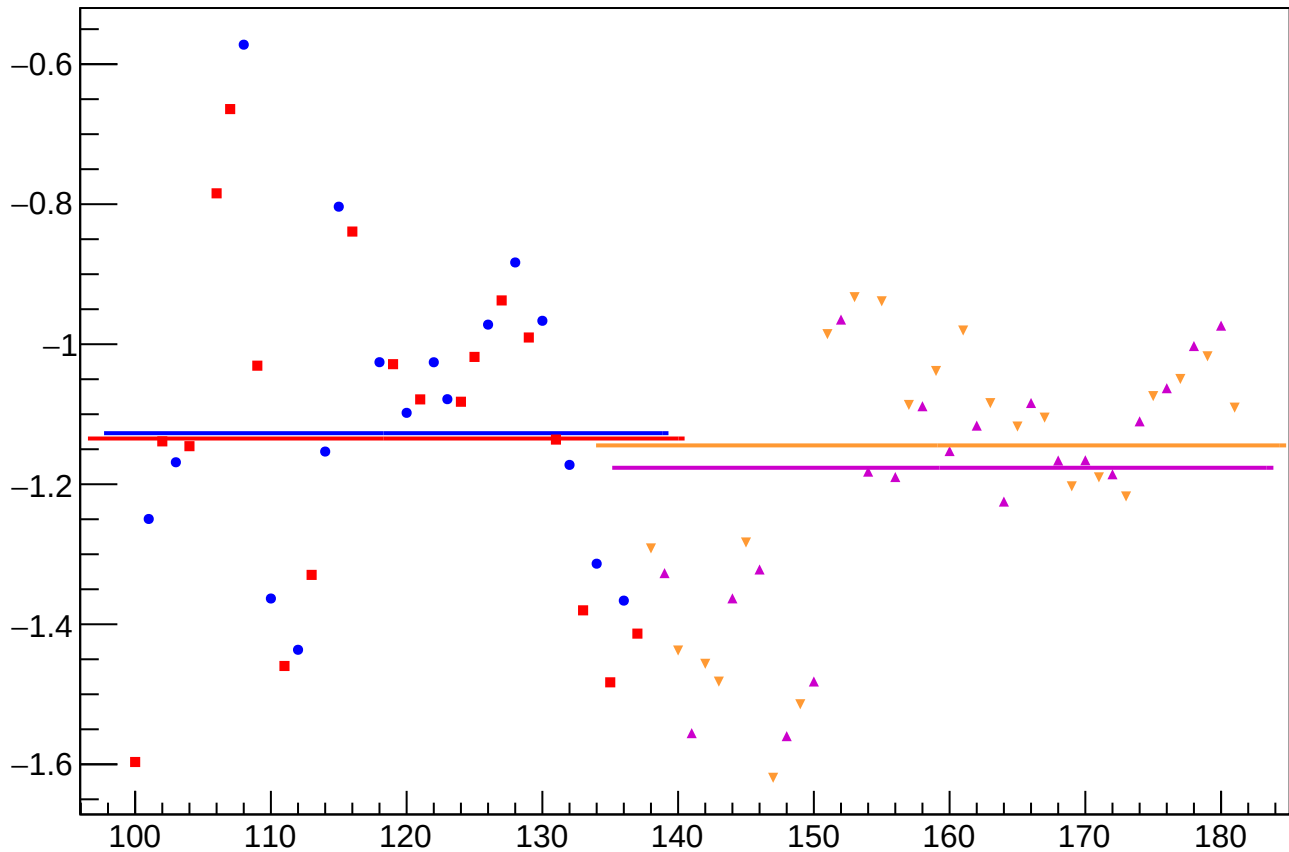
Left In: 0.011+/-0.000 χ^2/NDF :183723.6/20

+ sign 0.011+/-0.000 χ^2/NDF : 444996.9/39

All: 0.011+/-0.000 χ^2/NDF : 918771.4/79

- sign 0.011+/-0.000 χ^2/NDF : 473607.4/39

yield_bpm0i02aY_mean vs Slug



Right In: -1.127 ± 0.000 $\chi^2/\text{NDF}: 3546179478.6/16$

Left Out: -1.145 ± 0.000 $\chi^2/\text{NDF}: 7713133106.9/22$

Right Out: -1.135 ± 0.000 $\chi^2/\text{NDF}: 3674870672.6/18$

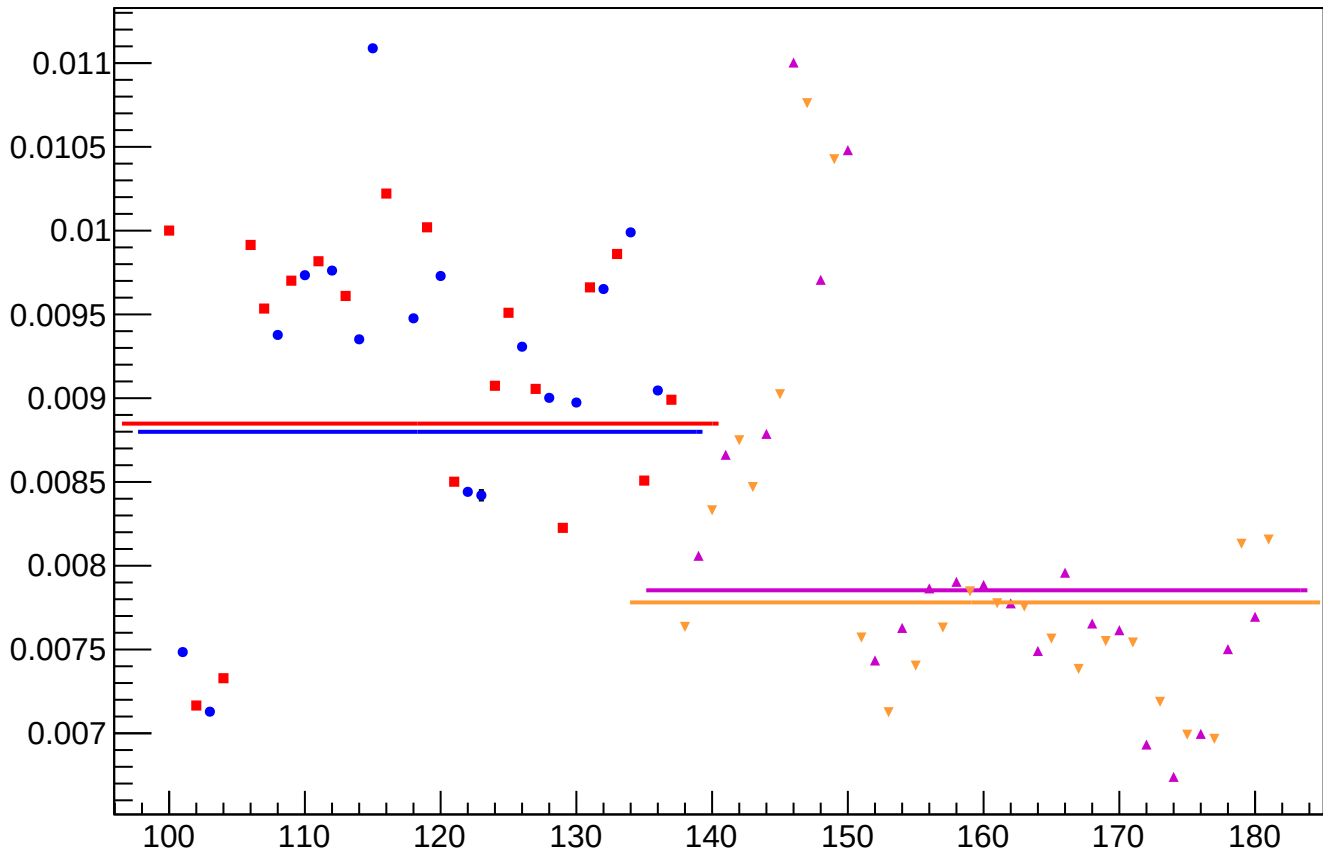
Left In: -1.176 ± 0.000 $\chi^2/\text{NDF}: 6103293572.8/20$

+ sign -1.140 ± 0.000 $\chi^2/\text{NDF}: 11278433722.6/39$

All: -1.153 ± 0.000 $\chi^2/\text{NDF}: 21275901041.4/41$

- sign -1.166 ± 0.000 $\chi^2/\text{NDF}: 9887802553.3/39$

yield_bpm0i02aY_rms vs Slug



Right In: 0.009 ± 0.000 χ^2/NDF : 151524.0/16

Left Out: 0.008 ± 0.000 χ^2/NDF : 315966.7/22

Right Out: 0.009 ± 0.000 χ^2/NDF : 174016.9/18

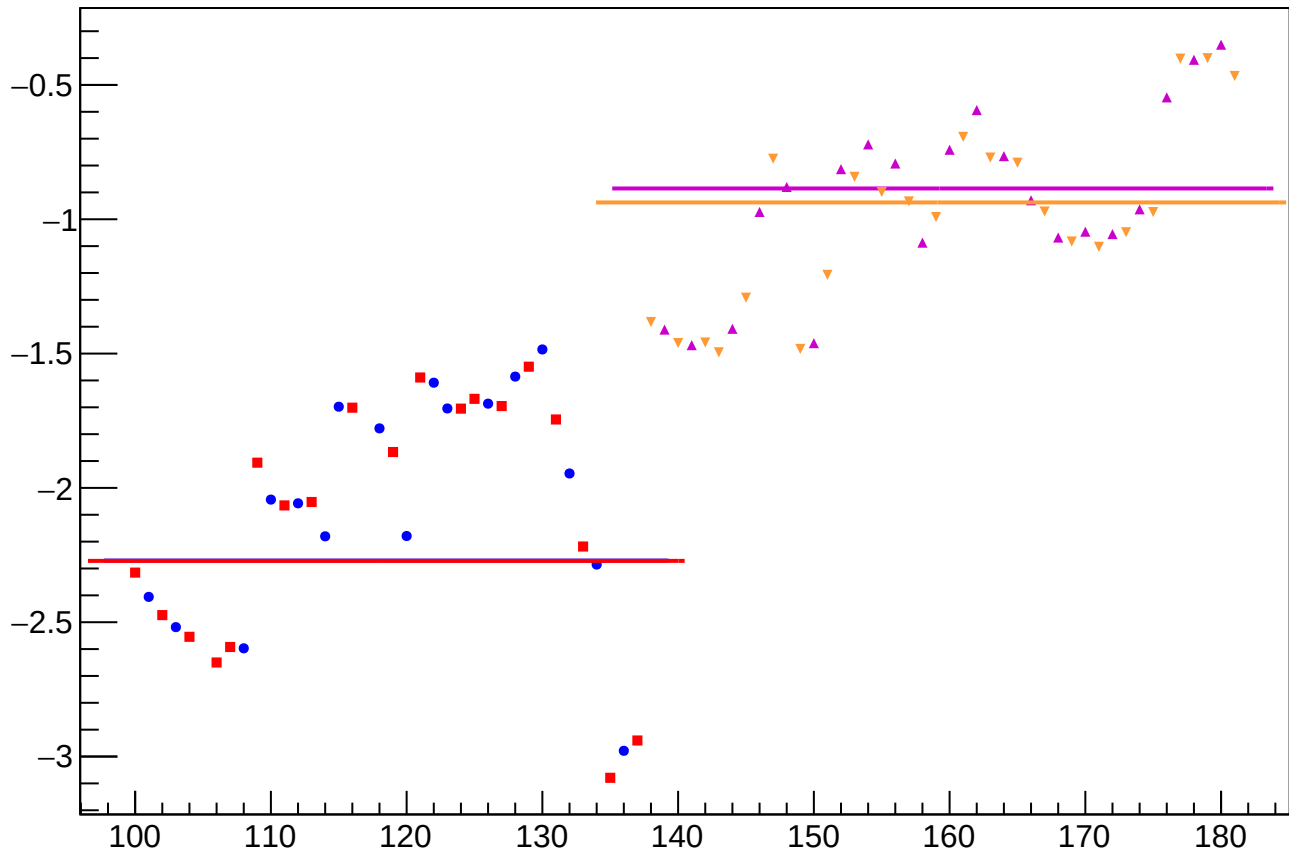
Left In: 0.008 ± 0.000 χ^2/NDF : 377679.9/20

+ sign 0.008 ± 0.000 χ^2/NDF : 597594.1/39

All: 0.008 ± 0.000 χ^2/NDF : 1276079.4/79

- sign 0.008 ± 0.000 χ^2/NDF : 675959.2/39

yield_bpm0i05X_mean vs Slug



Right In: -2.271+/-0.000 χ^2 /NDF: 17322622121.9/16

Left Out: -0.937+/-0.000 χ^2 /NDF: 41820818464.3/22

Right Out: -2.272+/-0.000 χ^2 /NDF: 19002792241.6/18

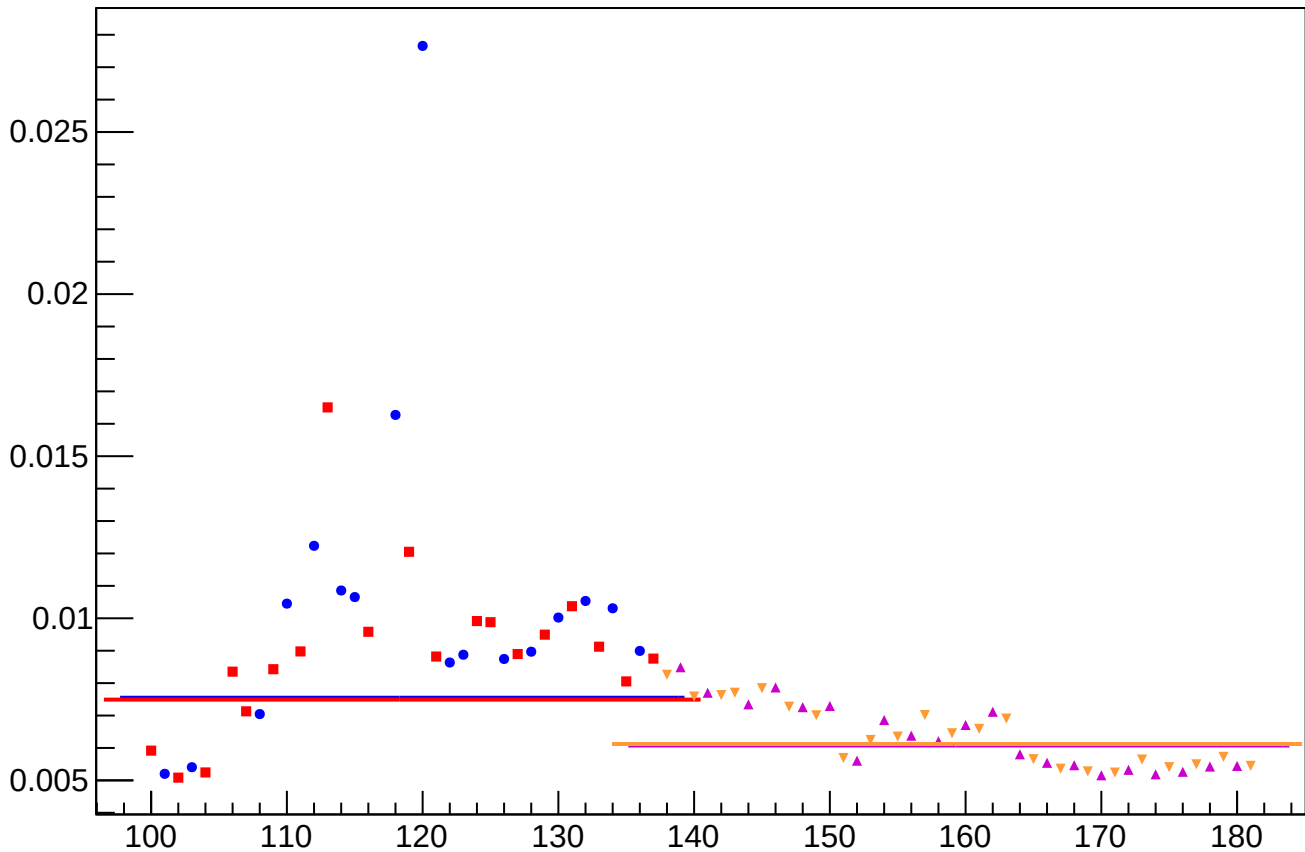
Left In: -0.885+/-0.000 χ^2 /NDF: 39264873058.5/20

+ sign -1.167+/-0.000 χ^2 /NDF: 188713587422.9/39

All: -1.163+/-0.000 χ^2 /NDF: 400744357922.5

- sign -1.158+/-0.000 χ^2 /NDF: 212011981821.7/39

yield_bpm0i05X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1215131.1/16

Left Out: 0.006+/-0.000 χ^2/NDF : 622738.1/22

Right Out: 0.007+/-0.000 χ^2/NDF : 926036.5/18

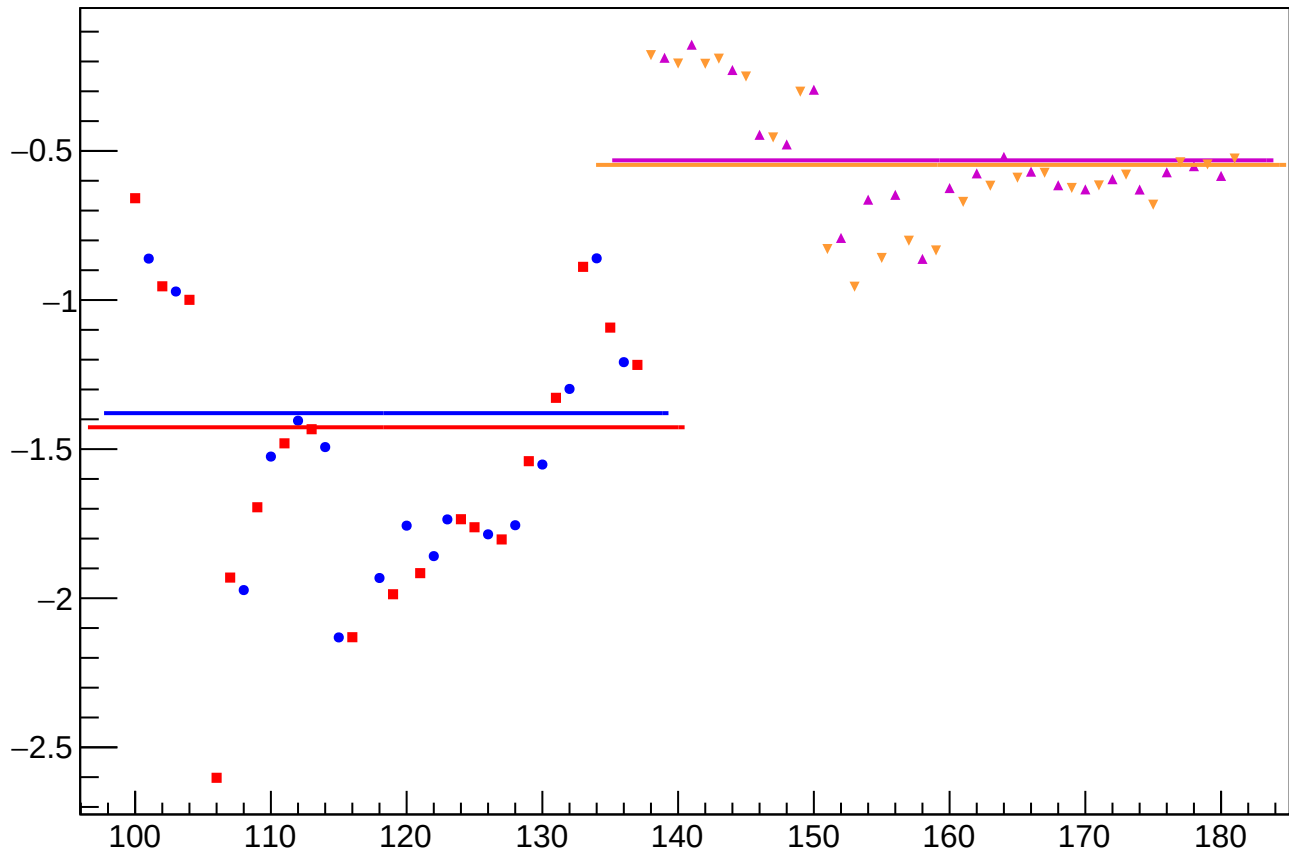
Left In: 0.006+/-0.000 χ^2/NDF : 690654.5/20

+ sign 0.006+/-0.000 χ^2/NDF : 2134679.2/39

All: 0.006+/-0.000 χ^2/NDF : 4072537.4/79

- sign 0.006+/-0.000 χ^2/NDF : 1937753.1/39

yield_bpm0i05Y_mean vs Slug



Right In: -1.379+/-0.000 χ^2/NDF : 19933785465.4/16

Left Out: -0.547+/-0.000 χ^2/NDF : 46200191904.2/22

Right Out: -1.427+/-0.000 χ^2/NDF : 29588471982.5/18

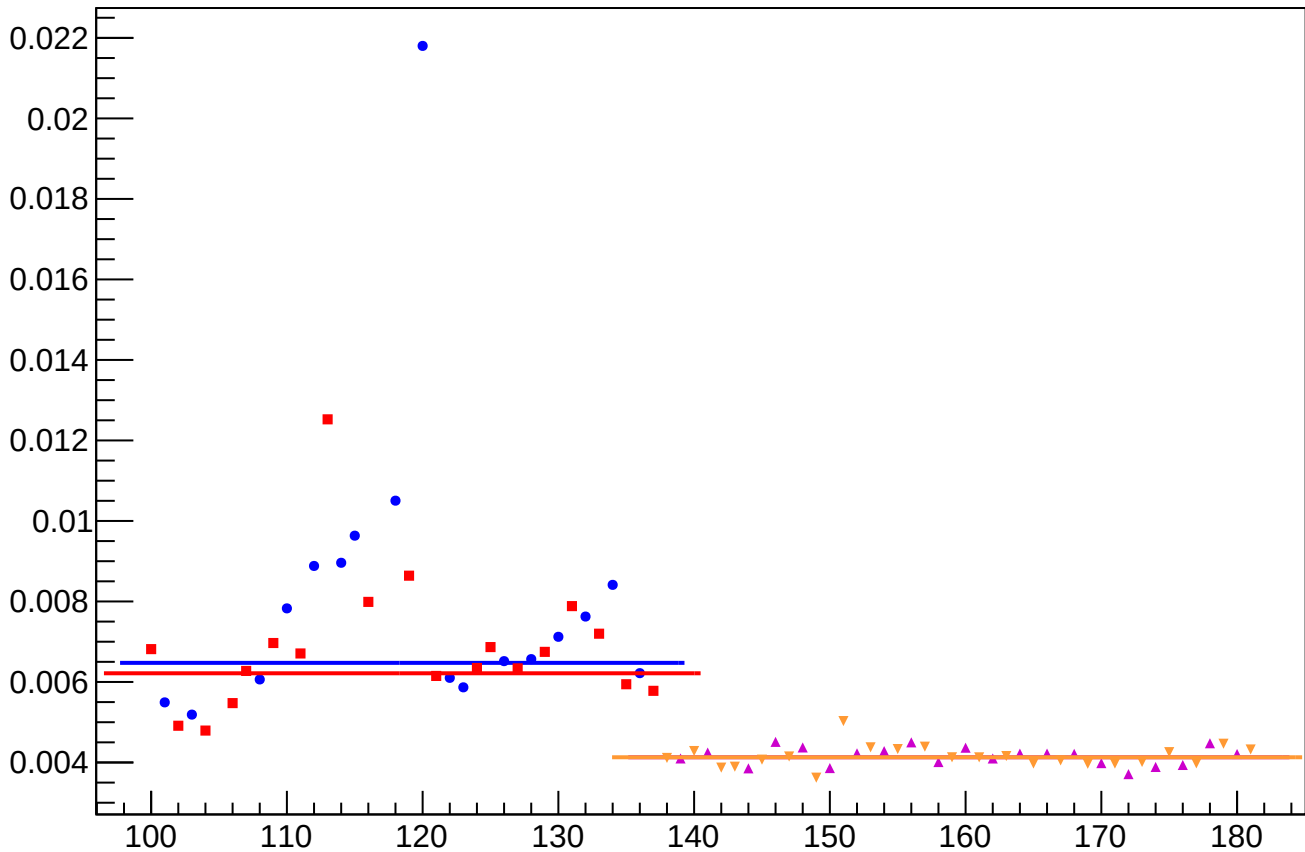
Left In: -0.532+/-0.000 χ^2/NDF : 30634602778.5/20

+ sign -0.648+/-0.000 χ^2/NDF : 144960832749.6/39

All: -0.655+/-0.000 χ^2/NDF : 309063054958.1

- sign -0.663+/-0.000 χ^2/NDF : 163985039373.2/39

yield_bpm0i05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 570434.3/16

Left Out: 0.004+/-0.000 χ^2/NDF : 111142.0/22

Right Out: 0.006+/-0.000 χ^2/NDF : 418205.6/18

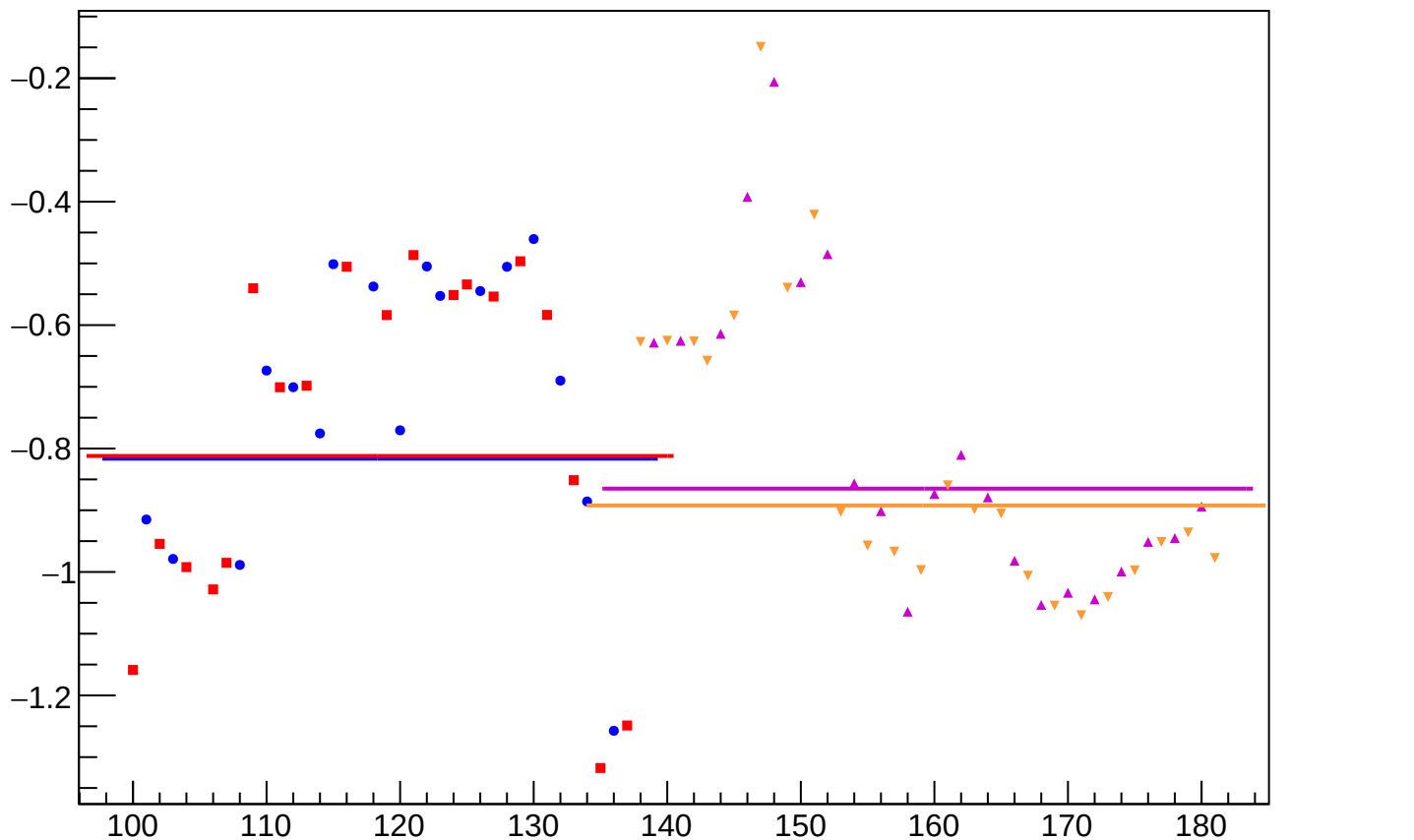
Left In: 0.004+/-0.000 χ^2/NDF : 87950.5/20

+ sign 0.004+/-0.000 χ^2/NDF : 1932851.6/39

All: 0.004+/-0.000 χ^2/NDF : 3566603.9/79

- sign 0.004+/-0.000 χ^2/NDF : 1633270.8/39

yield_bpm0i07X_mean vs Slug



Right In: -0.816 ± 0.000 $\chi^2/\text{NDF}: 14108272810.0/16$

Left Out: -0.892 ± 0.000 $\chi^2/\text{NDF}: 40577377784.5/22$

Right Out: -0.812 ± 0.000 $\chi^2/\text{NDF}: 16809508448.8/18$

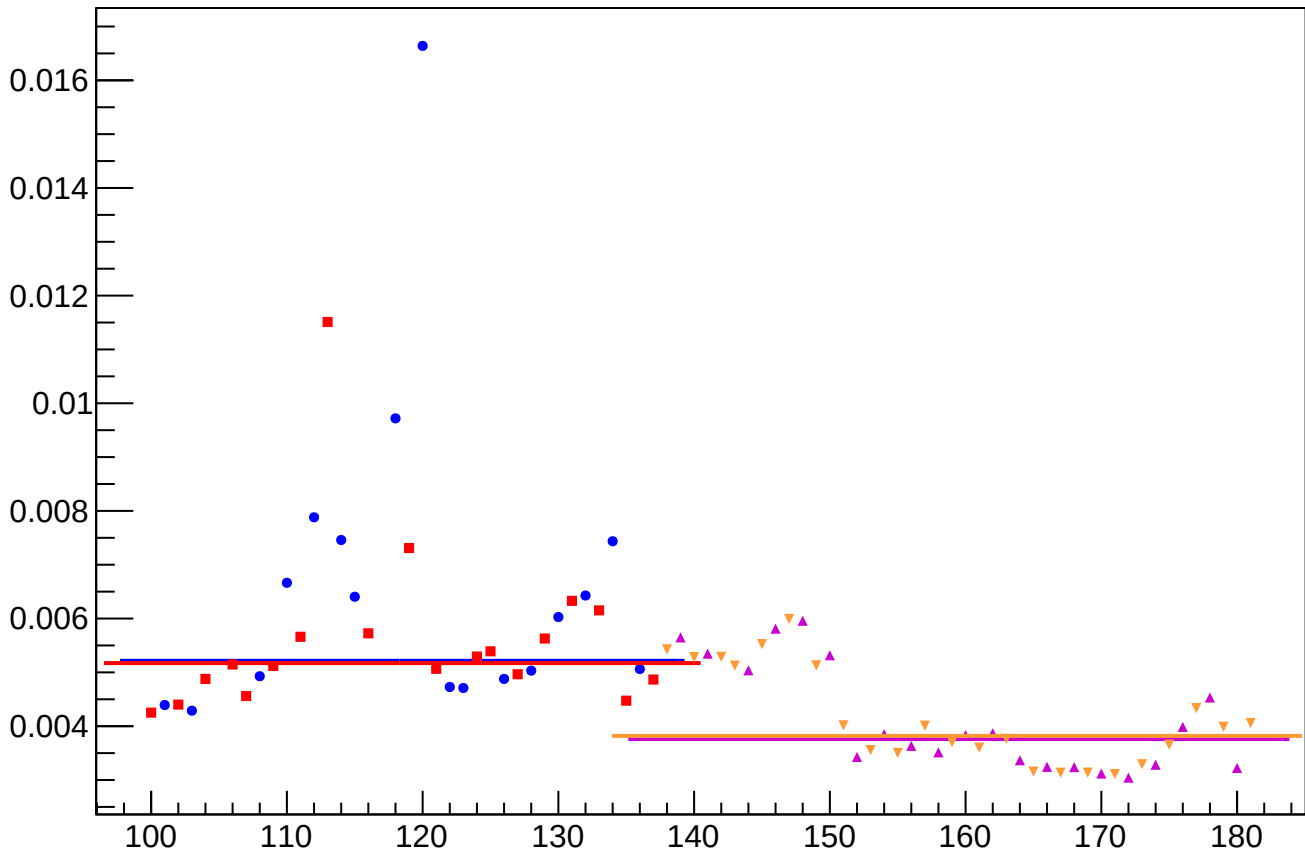
Left In: -0.865 ± 0.000 $\chi^2/\text{NDF}: 43700457118.6/20$

+ sign -0.880 ± 0.000 $\chi^2/\text{NDF}: 55635803851.6/39$

All: -0.868 ± 0.000 $\chi^2/\text{NDF}: 117045417601.9$

- sign -0.856 ± 0.000 $\chi^2/\text{NDF}: 61022781365.1/39$

yield_bpm0i07X_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 662832.6/16

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1157518.3/22

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 359707.6/18

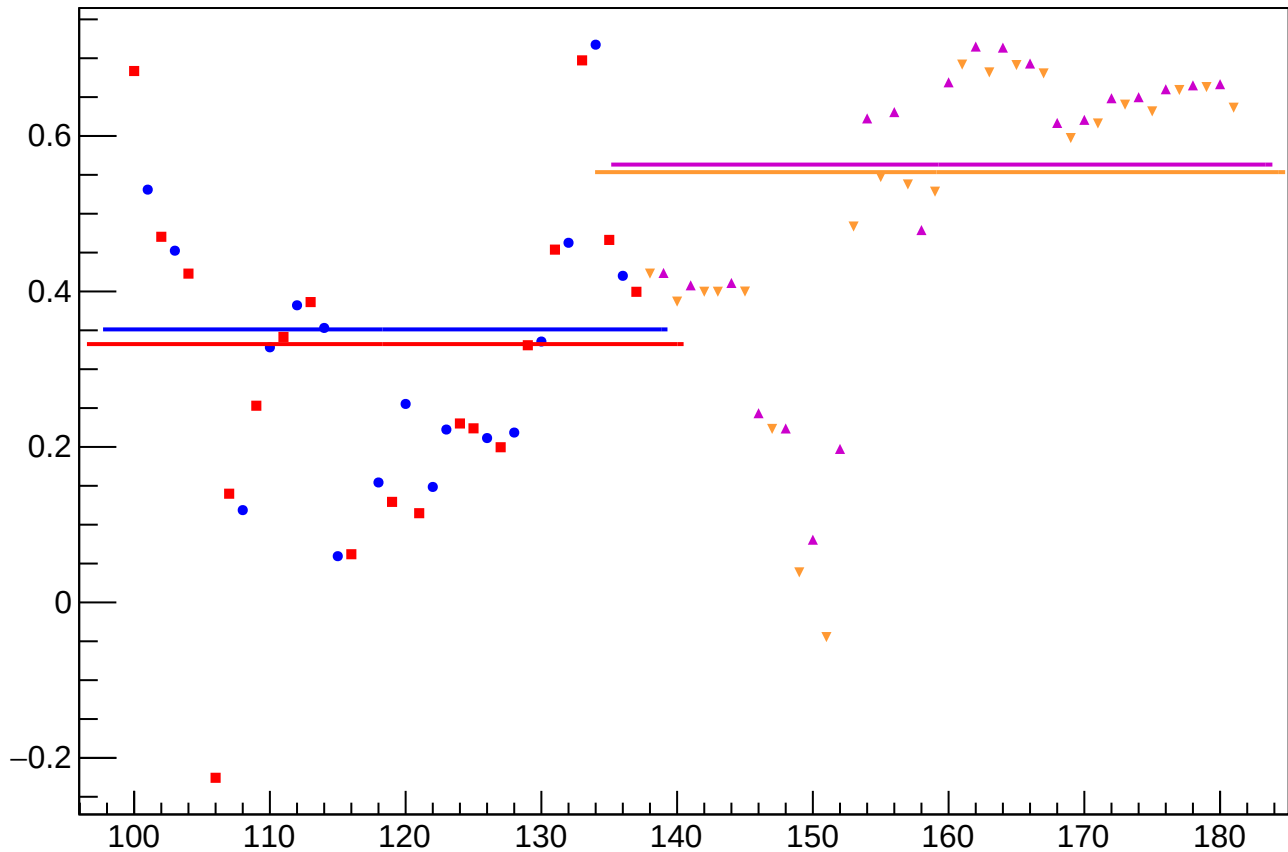
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1279257.5/20

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2464232.9/39

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4831875.5/79

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2366682.9/39

yield_bpm0i07Y_mean vs Slug



Right In: 0.351+/-0.000 χ^2/NDF : 7385246200.8/16

Left Out: 0.553+/-0.000 χ^2/NDF : 43245921410.8/22

Right Out: 0.332+/-0.000 χ^2/NDF : 11783358695.7/18

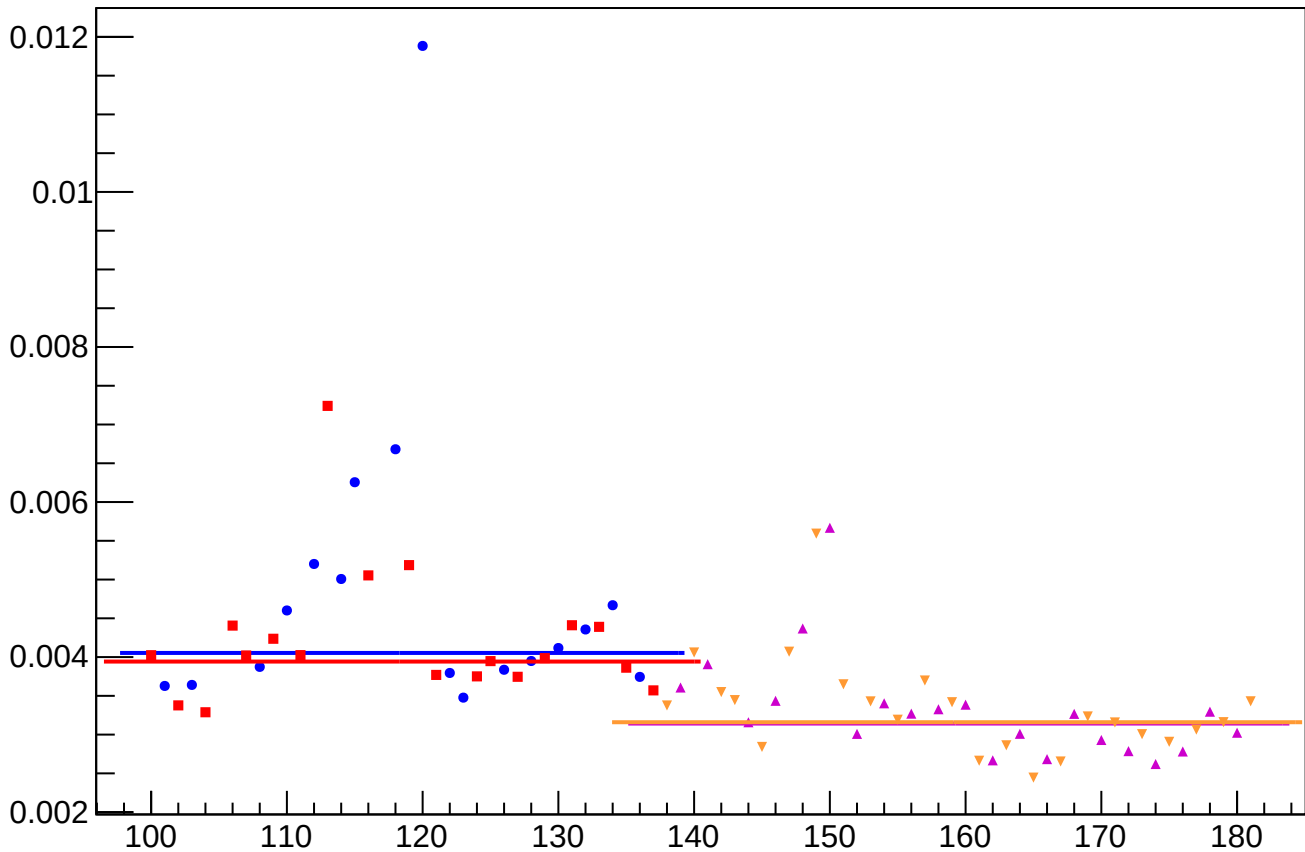
Left In: 0.563+/-0.000 χ^2/NDF : 40964672575.9/20

+ sign 0.516+/-0.000 χ^2/NDF : 62177167049.7/39

All: 0.516+/-0.000 χ^2/NDF : 131447560077.8

- sign 0.515+/-0.000 χ^2/NDF : 69267510815.2/39

yield_bpm0i07Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 453717.7/16

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 736631.6/22

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 259219.7/18

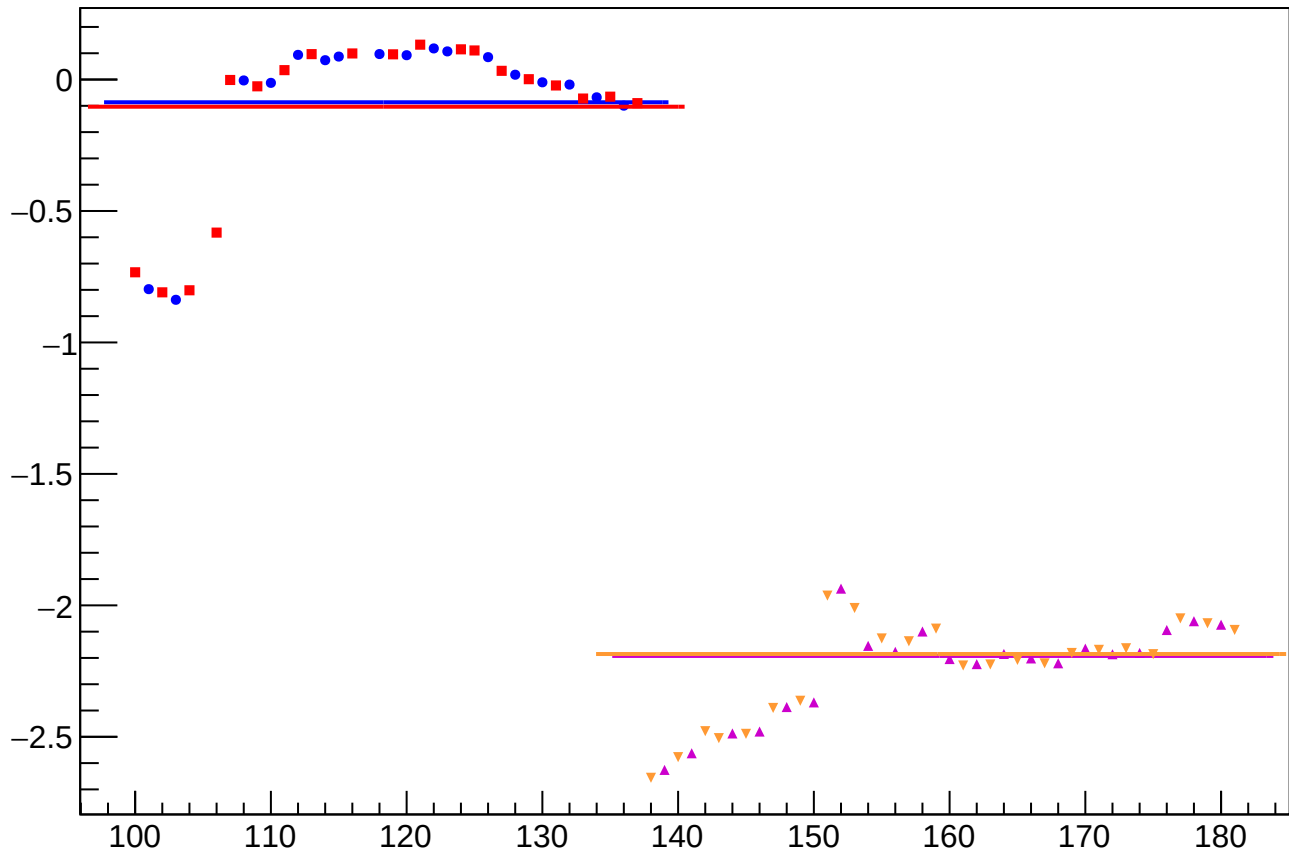
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 714476.1/20

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1641154.9/39

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3011307.4/79

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1369846.2/39

yield_bpm1i02X_mean vs Slug



Right In: -0.086+/-0.000 χ^2/NDF : 4986216359.8/16

Left Out: -2.185+/-0.000 χ^2/NDF : 3908707944.0/22

Right Out: -0.103+/-0.000 χ^2/NDF : 5547327629.3/18

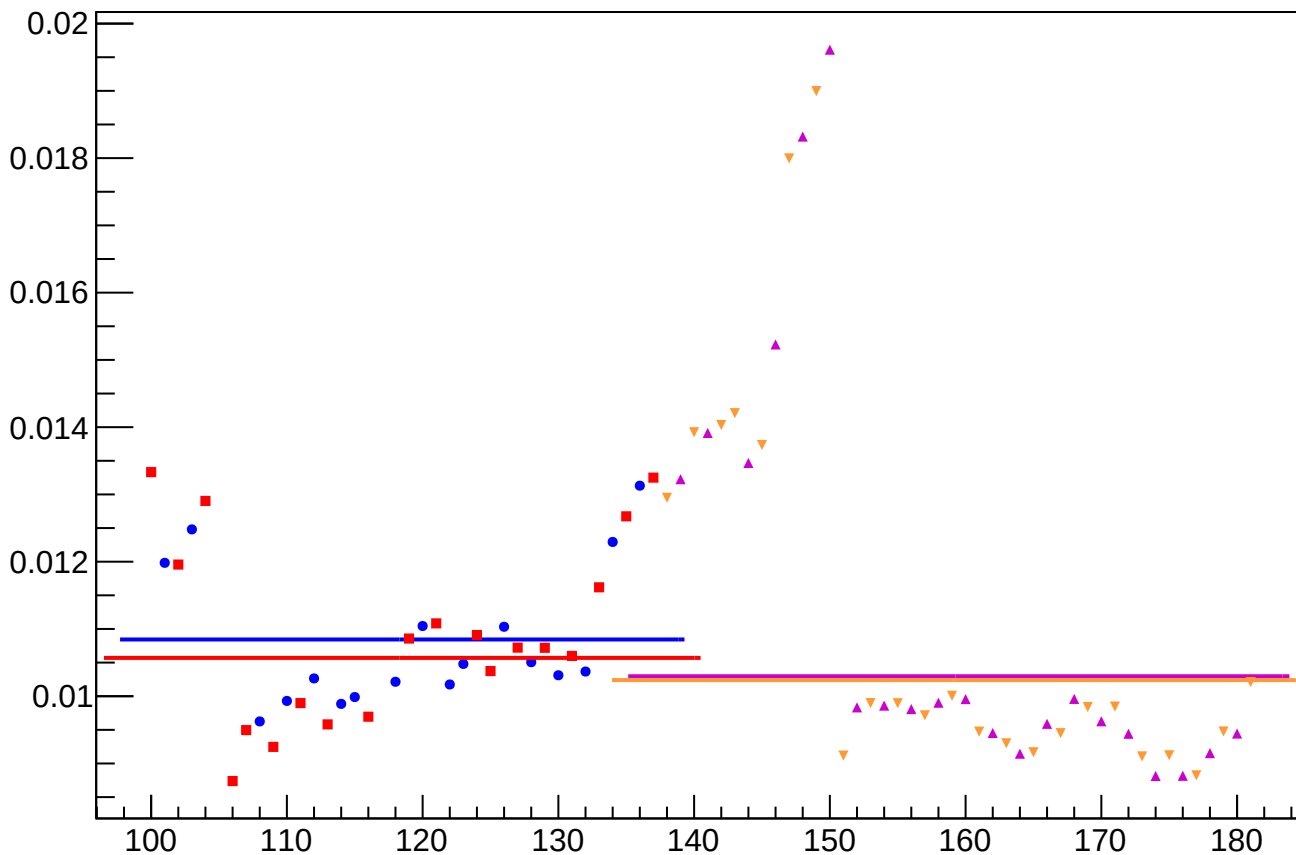
Left In: -2.192+/-0.000 χ^2/NDF : 3241456513.6/20

+ sign -1.636+/-0.000 χ^2/NDF : 191868019894.1/39

All: -1.603+/-0.000 χ^2/NDF : 392602408430.0

- sign -1.568+/-0.000 χ^2/NDF : 200236086500.1/39

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 124179.6/16

Left Out: 0.010+/-0.000 χ^2/NDF :1254592.4/22

Right Out: 0.011+/-0.000 χ^2/NDF : 178759.8/18

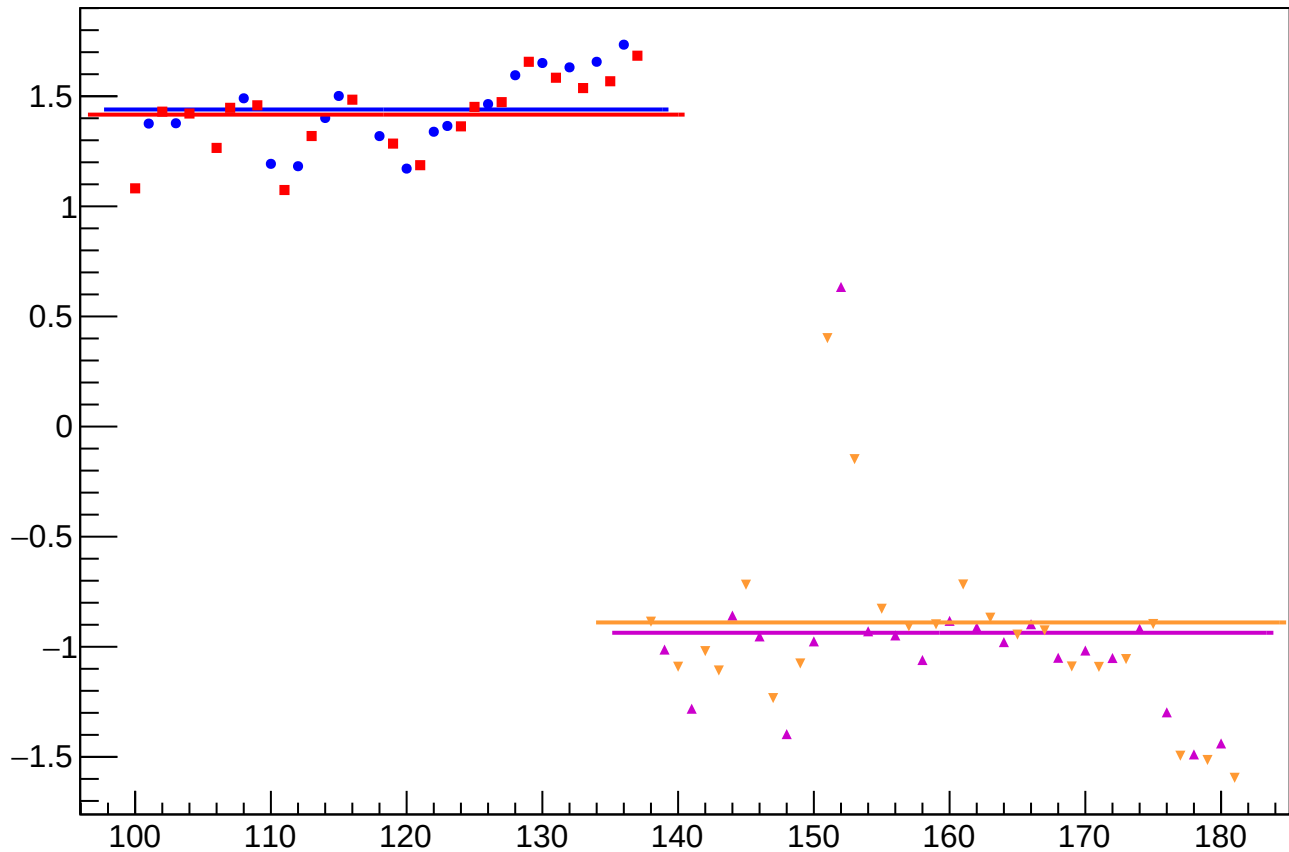
Left In: 0.010+/-0.000 χ^2/NDF :1335506.8/20

+ sign 0.010+/-0.000 χ^2/NDF : 1409045.1/39

All: 0.010+/-0.000 χ^2/NDF : 2929932.9/79

- sign 0.010+/-0.000 χ^2/NDF : 1520807.5/39

yield_bpm1i02Y_mean vs Slug



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3439698839.5/16

Left Out: -0.889 $\pm$ 0.000 χ^2 /NDF: 50817187388.8/22

Right Out: 1.416 $\pm$ 0.000 χ^2 /NDF: 2670163204.9/18

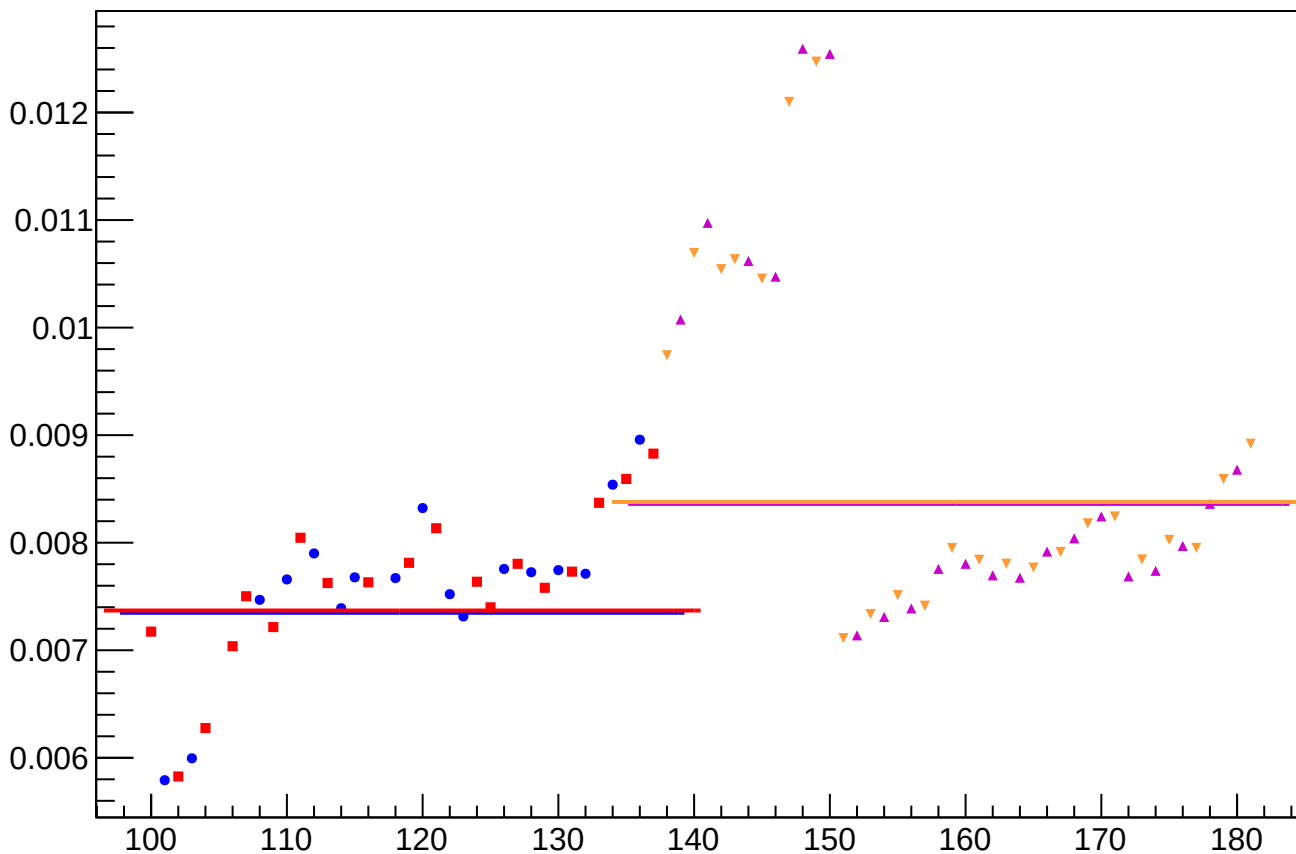
Left In: -0.936 $\pm$ 0.000 χ^2 /NDF: 50507384199.7/20

+ sign -0.108 $\pm$ 0.000 χ^2 /NDF: 492595740846.5/39

All: -0.096 $\pm$ 0.000 χ^2 /NDF: 1000262383293

- sign -0.083 $\pm$ 0.000 χ^2 /NDF: 507554023927.1/39

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 228667.0/16

Left Out: 0.008+/-0.000 χ^2/NDF : 763563.7/22

Right Out: 0.007+/-0.000 χ^2/NDF : 172418.5/18

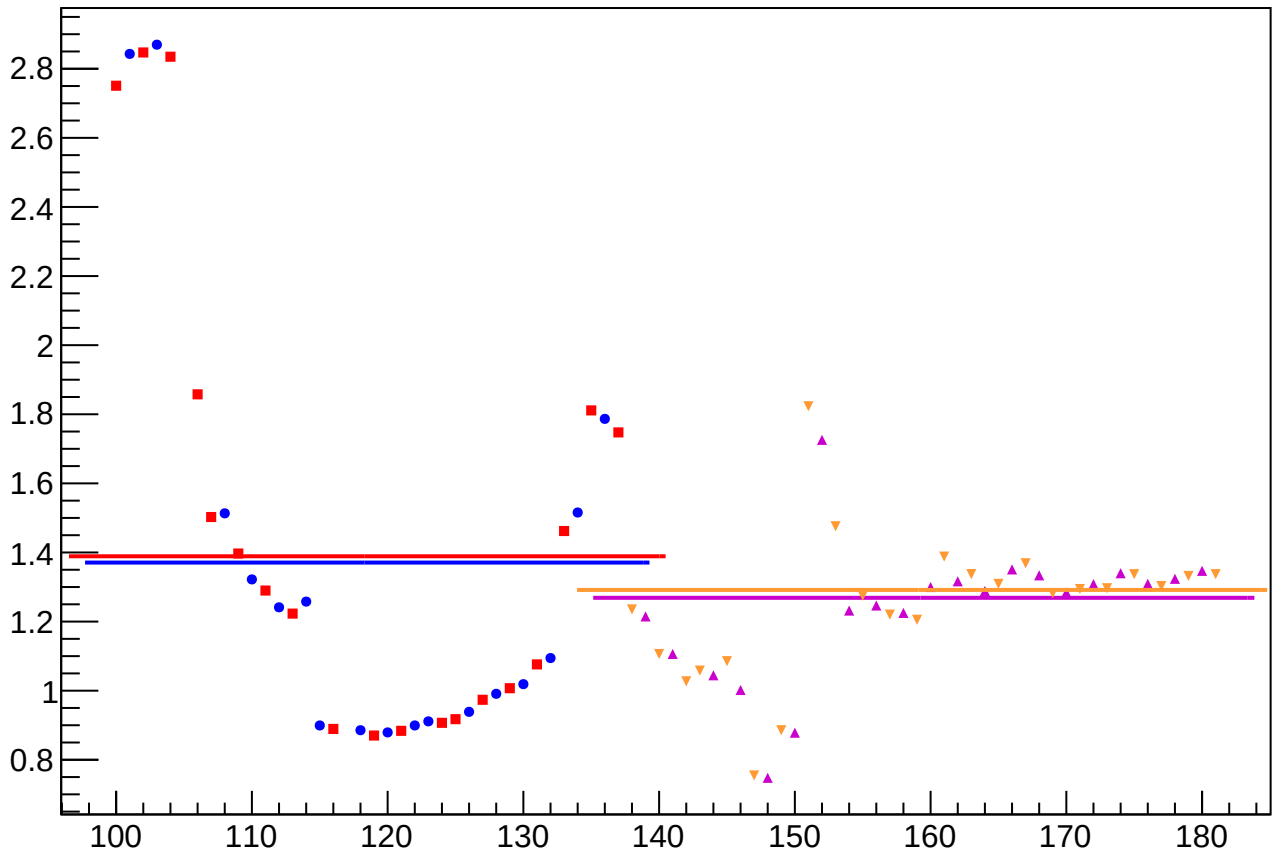
Left In: 0.008+/-0.000 χ^2/NDF : 832450.0/20

+ sign 0.008+/-0.000 χ^2/NDF : 1163653.0/39

All: 0.008+/-0.000 χ^2/NDF : 2330255.5/79

- sign 0.008+/-0.000 χ^2/NDF : 1166242.7/39

yield_bpm1i04X_mean vs Slug



Right In: 1.371+/-0.000 χ^2/NDF : 54119122912.8/16

Left Out: 1.292+/-0.000 χ^2/NDF : 9198085855.5/22

Right Out: 1.389+/-0.000 χ^2/NDF : 49832414351.9/18

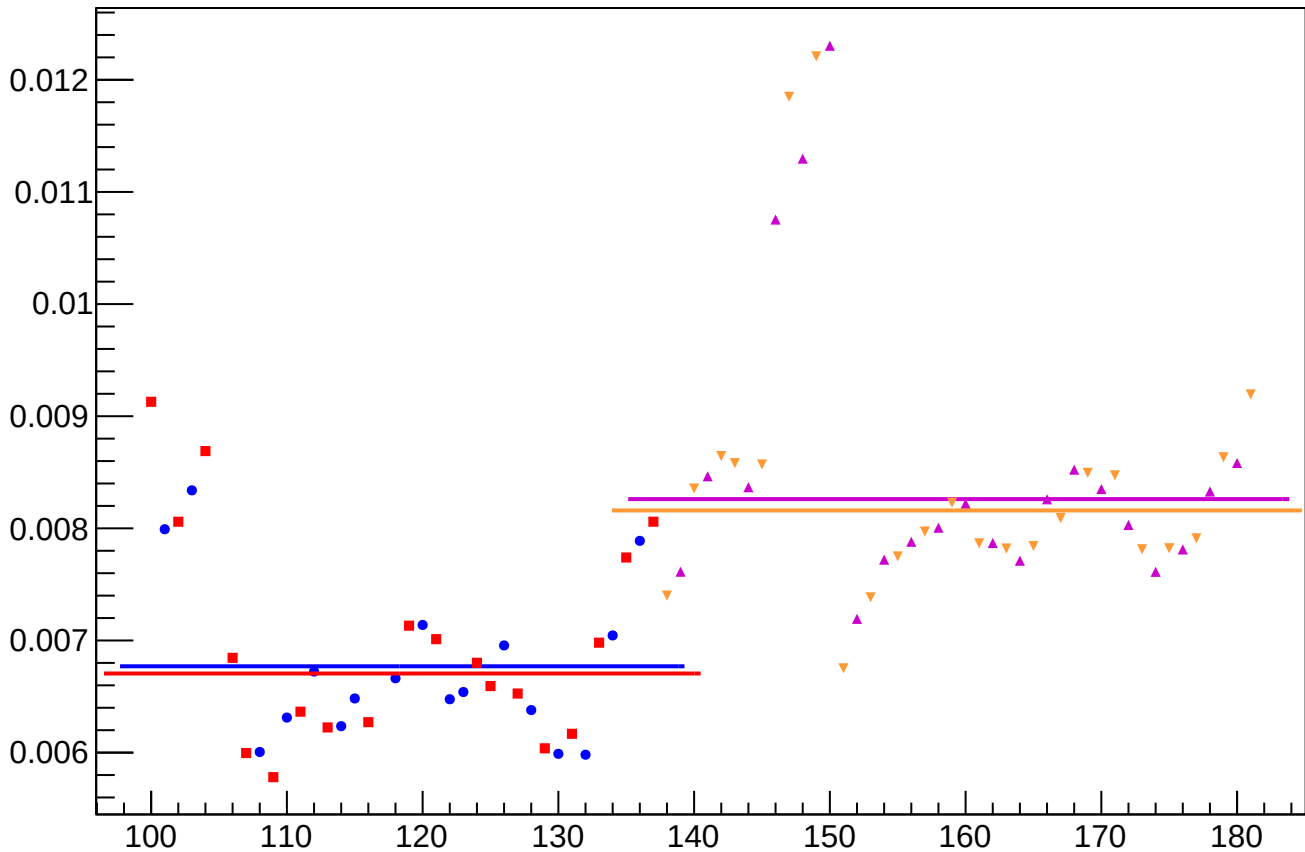
Left In: 1.269+/-0.000 χ^2/NDF : 7520704202.9/20

+ sign 1.320+/-0.000 χ^2/NDF : 63890610523.0/39

All: 1.319+/-0.000 χ^2/NDF : 122586925041.3

- sign 1.317+/-0.000 χ^2/NDF : 58694140594.8/39

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 158743.1/16

Left Out: 0.008+/-0.000 χ^2/NDF : 449654.2/22

Right Out: 0.007+/-0.000 χ^2/NDF : 189225.3/18

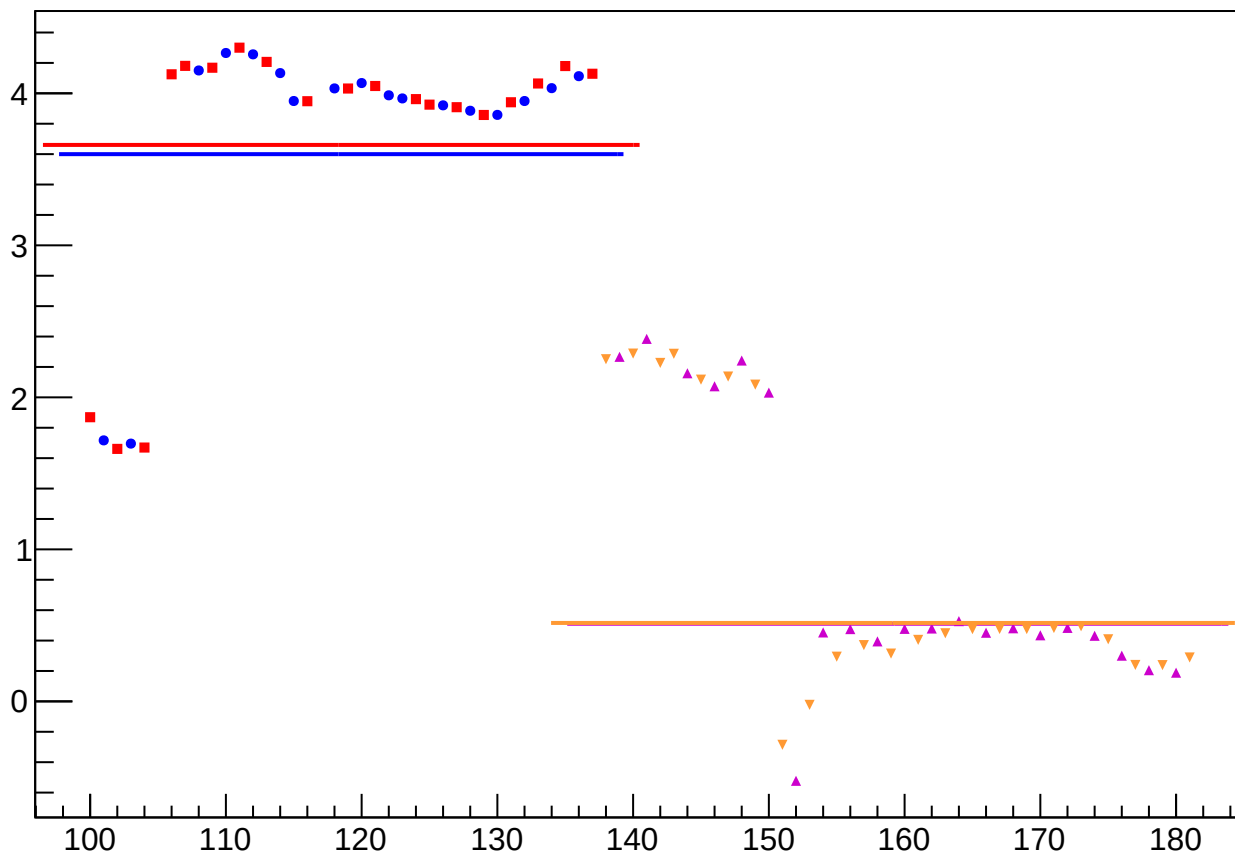
Left In: 0.008+/-0.000 χ^2/NDF : 449621.2/20

+ sign 0.008+/-0.000 χ^2/NDF : 961763.2/39

All: 0.008+/-0.000 χ^2/NDF : 2049656.6/79

- sign 0.008+/-0.000 χ^2/NDF : 1087761.8/39

yield_bpm1i04Y_mean vs Slug



Right In: 3.600 $\pm$ 0.000 χ^2/NDF : 185703271625.0/16

Left Out: 0.516 $\pm$ 0.000 χ^2/NDF : 267067402408.3/22

Right Out: 3.661 $\pm$ 0.000 χ^2/NDF : 192461584002.7/18

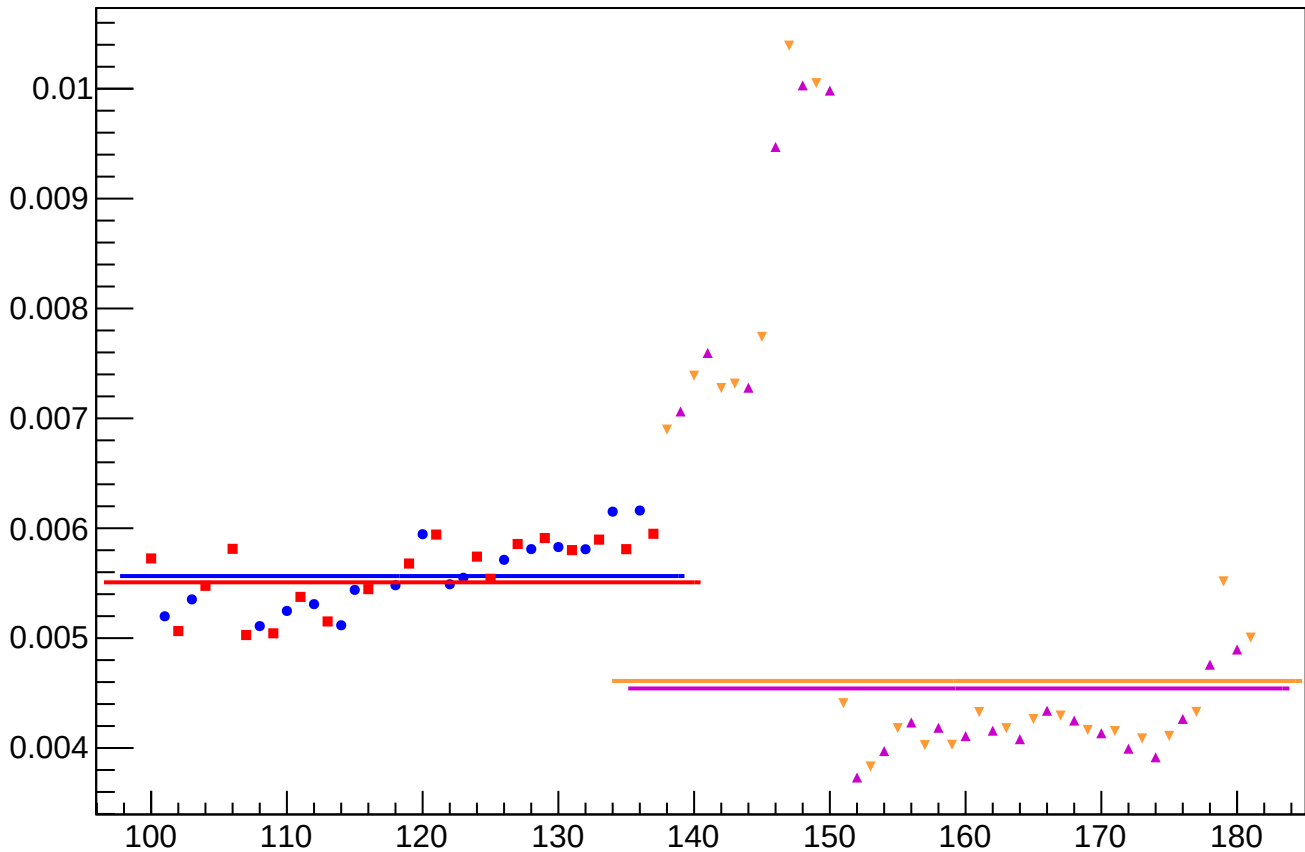
Left In: 0.511 $\pm$ 0.000 χ^2/NDF : 265959616630.2/20

+ sign 1.212 $\pm$ 0.000 χ^2/NDF : 2036788928937.4/39

All: 1.244 $\pm$ 0.000 χ^2/NDF : 4213416644947.7

- sign 1.276 $\pm$ 0.000 χ^2/NDF : 2174658636807.5/39

yield_bpm1i04Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 48084.6/16

Left Out: 0.005+/-0.000 χ^2/NDF :2075488.1/22

Right Out: 0.006+/-0.000 χ^2/NDF : 52399.9/18

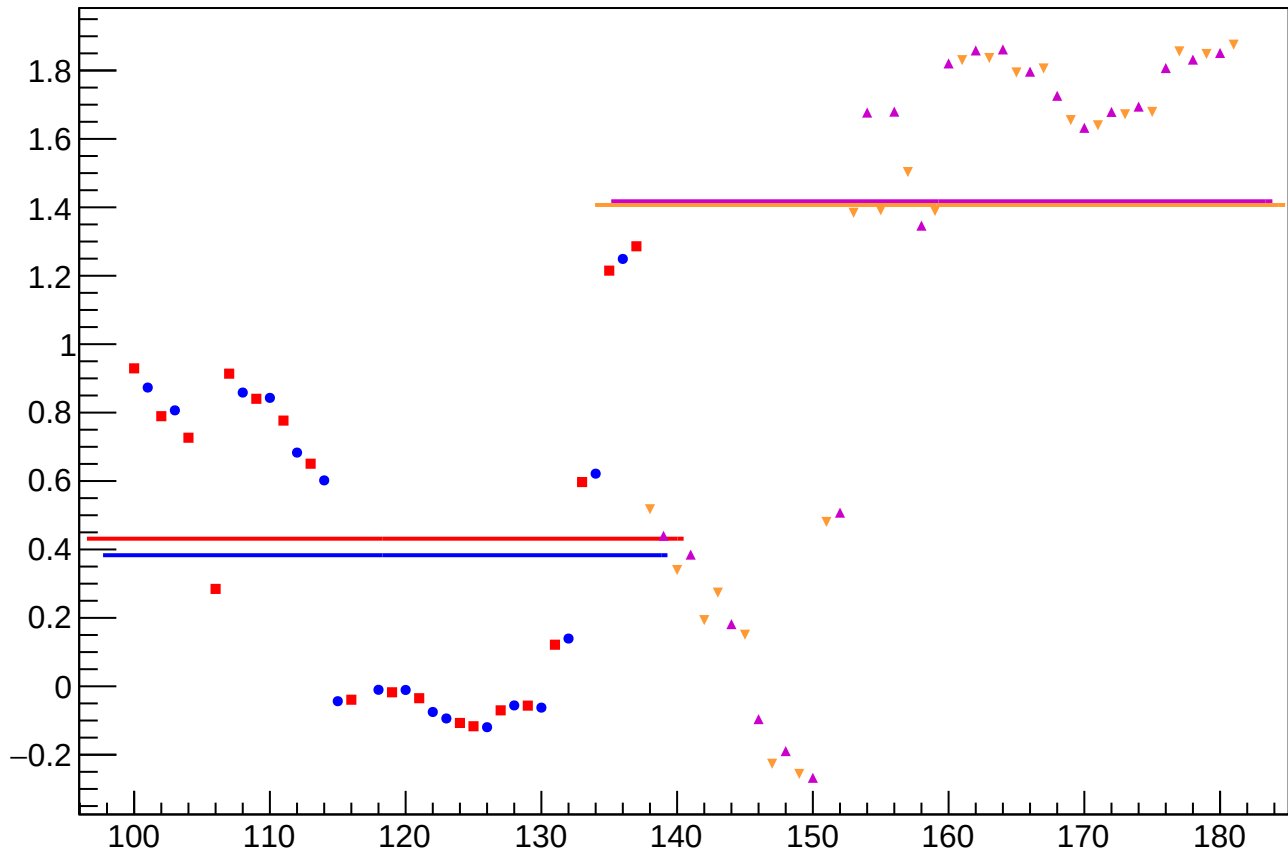
Left In: 0.005+/-0.000 χ^2/NDF :2235218.8/20

+ sign 0.005+/-0.000 χ^2/NDF : 2427096.4/39

All: 0.005+/-0.000 χ^2/NDF : 5039770.6/79

- sign 0.005+/-0.000 χ^2/NDF : 2610403.4/39

yield_bpm1i06X_mean vs Slug



Right In: 0.383+/-0.000 χ^2/NDF : 7098148199.8/16

Left Out: 1.407+/-0.000 χ^2/NDF : 47868162644.6/22

Right Out: 0.431+/-0.000 χ^2/NDF : 6652460982.8/18

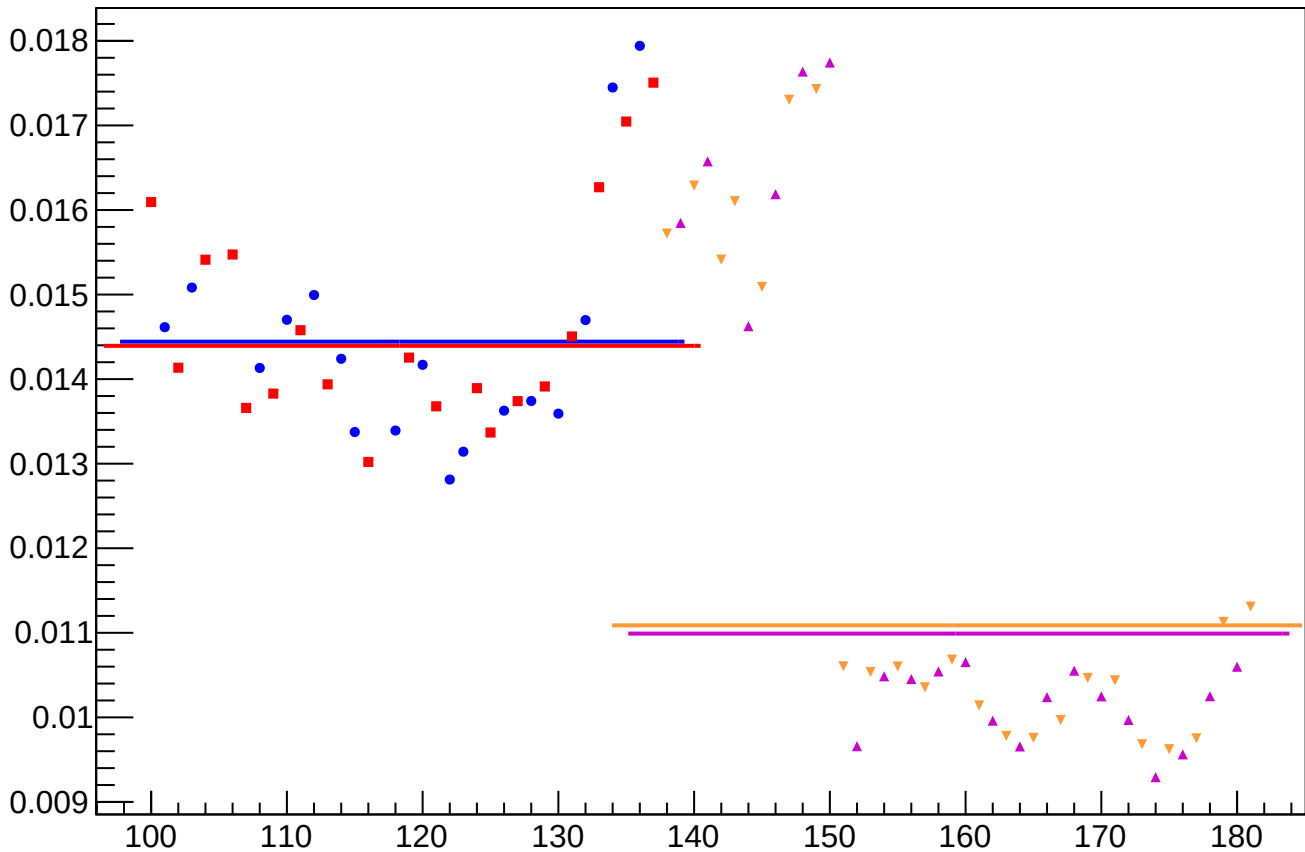
Left In: 1.418+/-0.000 χ^2/NDF : 52115678378.7/20

+ sign 1.212+/-0.000 χ^2/NDF : 81825904060.8/39

All: 1.213+/-0.000 χ^2/NDF : 166387843202.6

- sign 1.214+/-0.000 χ^2/NDF : 84561619489.6/39

yield_bpm1i06X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 109417.4/16

Left Out: 0.011+/-0.000 χ^2/NDF :1207020.3/22

Right Out: 0.014+/-0.000 χ^2/NDF : 74186.8/18

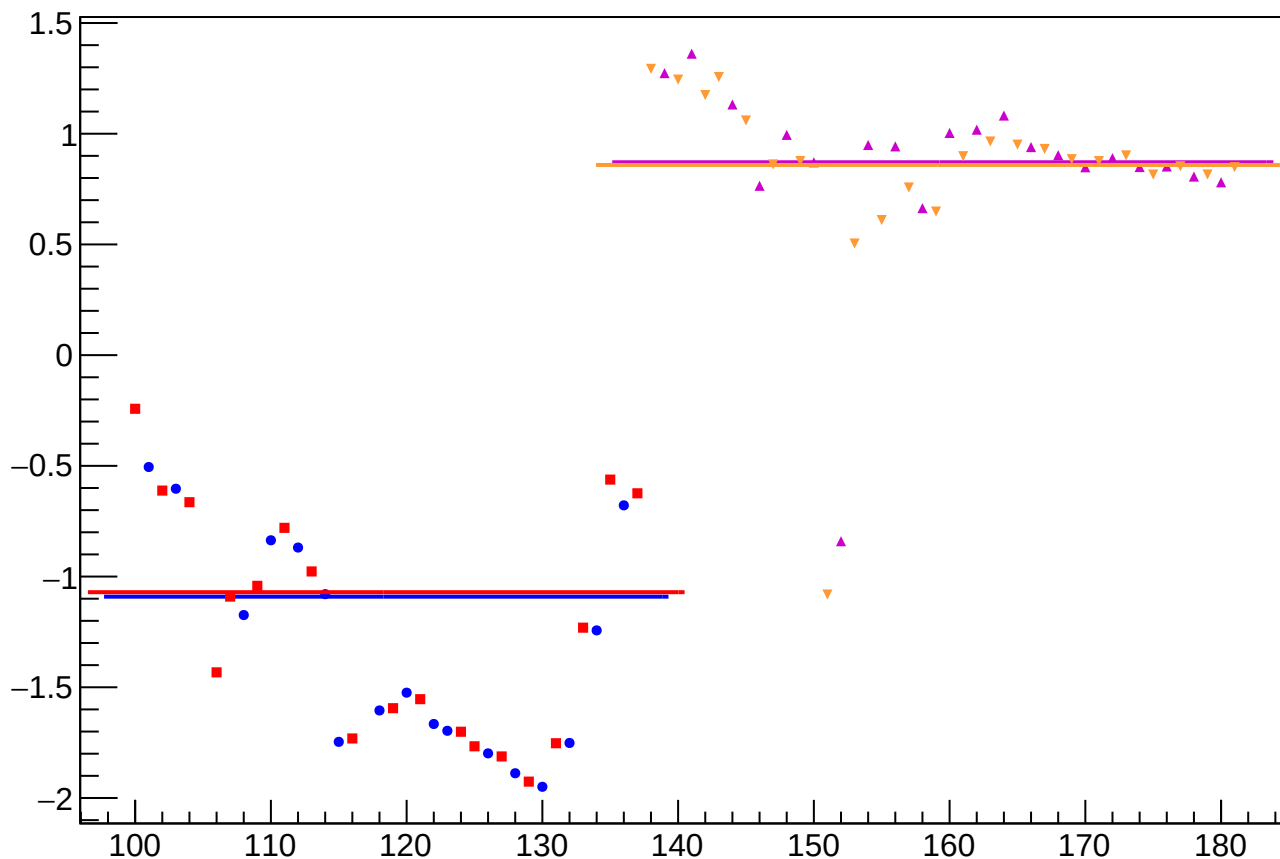
Left In: 0.011+/-0.000 χ^2/NDF :1264201.6/20

+ sign 0.012+/-0.000 χ^2/NDF : 1893402.6/39

All: 0.012+/-0.000 χ^2/NDF : 3846173.2/79

- sign 0.012+/-0.000 χ^2/NDF : 1952591.8/39

yield_bpm1i06Y_mean vs Slug



Right In: -1.091+/-0.000 χ^2/NDF : 55542430282.4/16

Left Out: 0.859+/-0.000 χ^2/NDF : 125135145252.3/22

Right Out: -1.071+/-0.000 χ^2/NDF : 46725373904.4/18

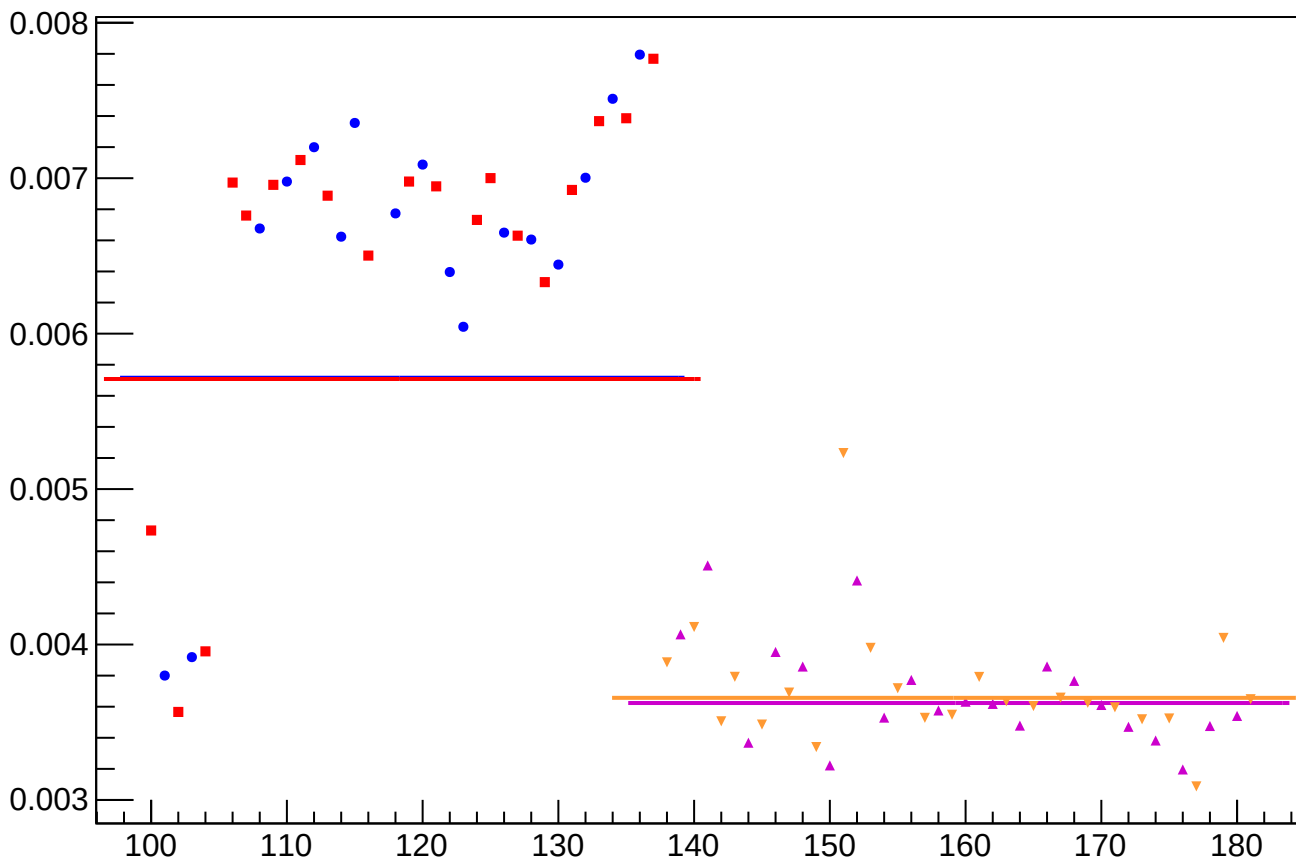
Left In: 0.871+/-0.000 χ^2/NDF : 146788108726.3/20

+ sign 0.599+/-0.000 χ^2/NDF : 776996346000.3/39

All: 0.596+/-0.000 χ^2/NDF : 1578986011519.

- sign 0.592+/-0.000 χ^2/NDF : 801951720041.7/39

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 837929.9/16

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:235222.5/22

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 921337.6/18

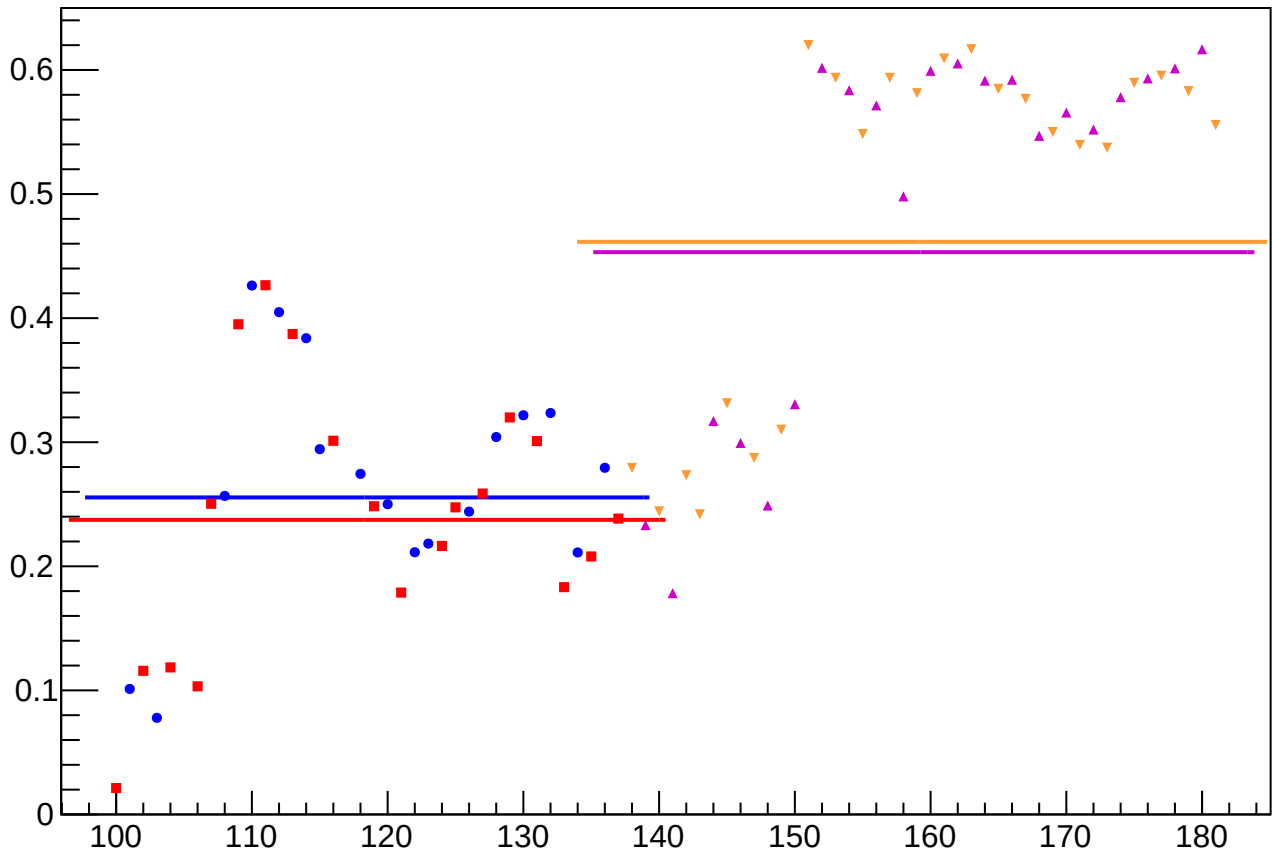
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:220054.4/20

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2403530.2/39

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4947653.5/79

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2544043.6/39

yield_bpm2i01X_mean vs Slug



Right In: 0.256+/-0.000 χ^2/NDF : 21303879000.5/16

Left Out: 0.462+/-0.000 χ^2/NDF : 97939769820.9/22

Right Out: 0.237+/-0.000 χ^2/NDF : 26048163947.8/18

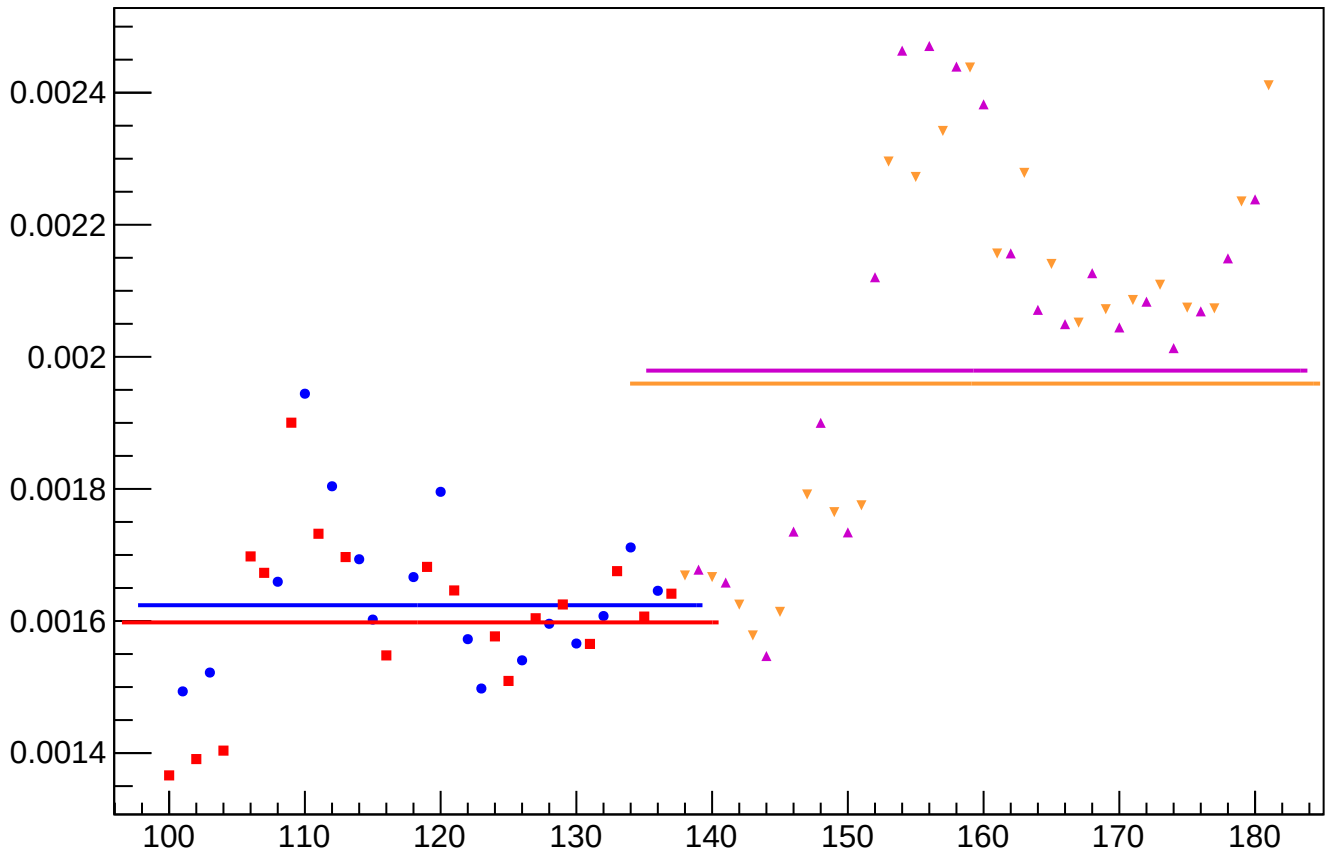
Left In: 0.453+/-0.000 χ^2/NDF : 100655279157.4/20

+ sign 0.388+/-0.000 χ^2/NDF : 185770240546.9/39

All: 0.377+/-0.000 χ^2/NDF : 389551064880.5

- sign 0.366+/-0.000 χ^2/NDF : 202157167954.4/39

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 52349.3/16

Left Out: 0.002+/-0.000 χ^2/NDF : 655116.5/22

Right Out: 0.002+/-0.000 χ^2/NDF : 90592.9/18

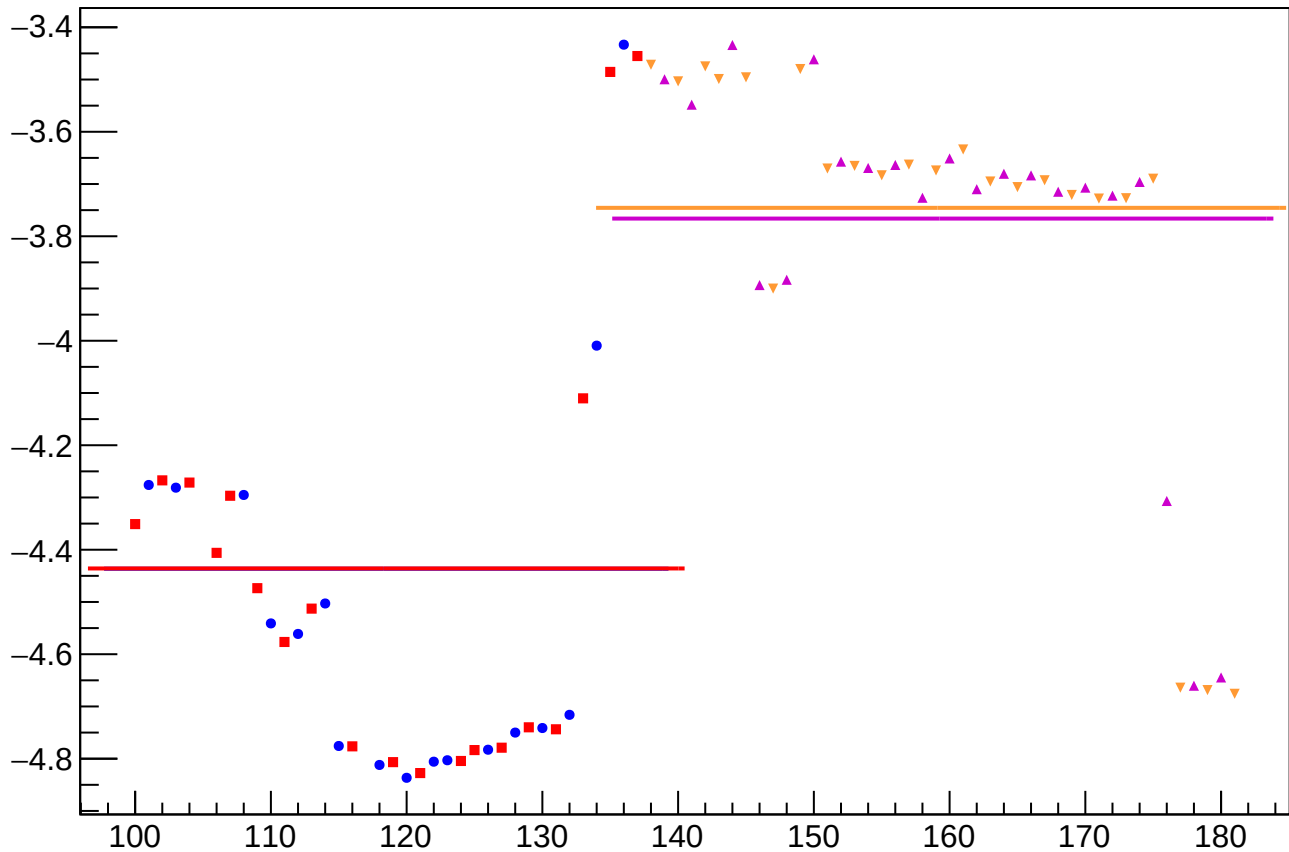
Left In: 0.002+/-0.000 χ^2/NDF : 605486.4/20

+ sign 0.002+/-0.000 χ^2/NDF : 1060599.0/39

All: 0.002+/-0.000 χ^2/NDF : 2229483.4/79

- sign 0.002+/-0.000 χ^2/NDF : 1167478.1/39

yield_bpm2i01Y_mean vs Slug



Right In: -4.436+/-0.000 χ^2/NDF : 392479534987.2/16

Left Out: -3.746+/-0.000 χ^2/NDF : 432929927123.1/22

Right Out: -4.436+/-0.000 χ^2/NDF : 324942318404.0/18

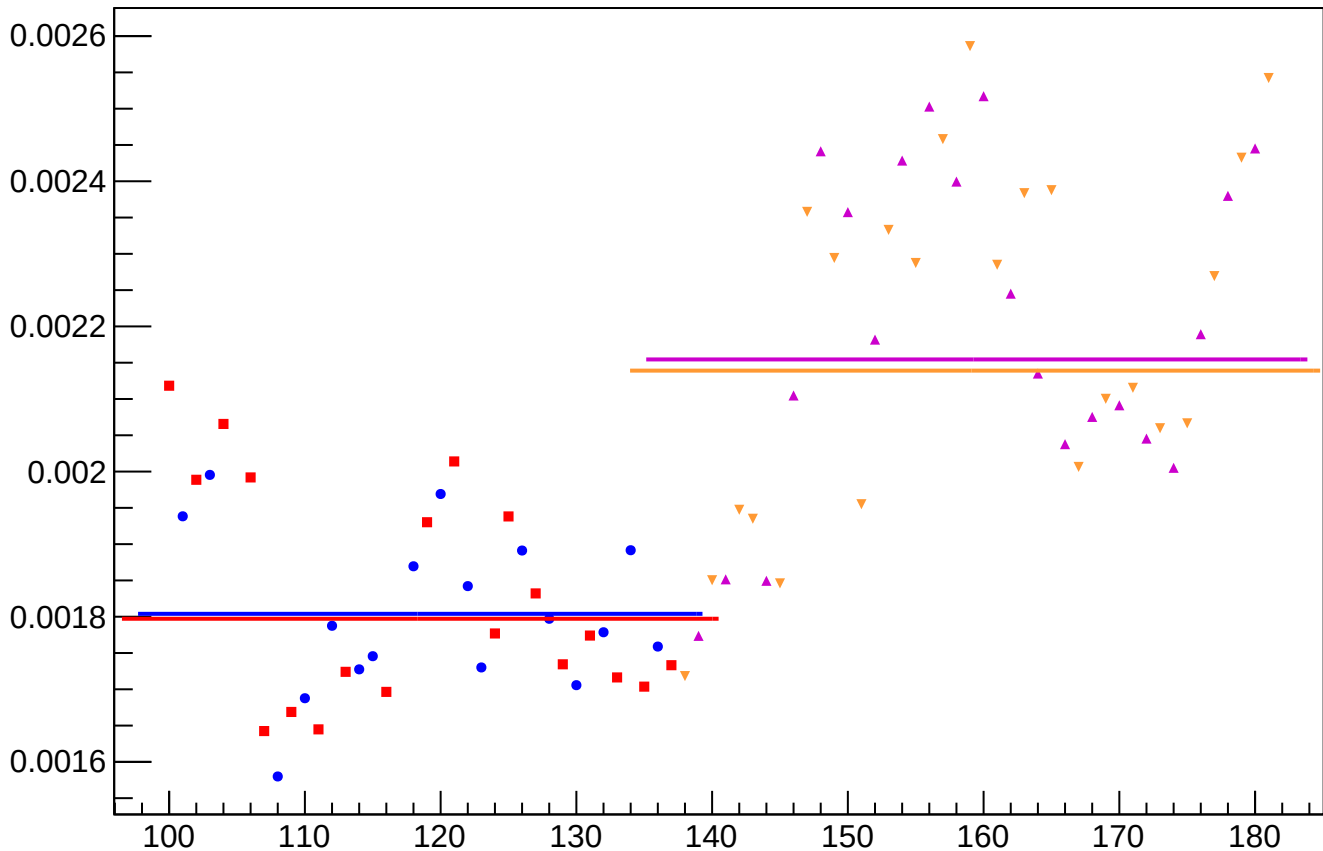
Left In: -3.766+/-0.000 χ^2/NDF : 350923066244.3/20

+ sign -3.988+/-0.000 χ^2/NDF : 1442651939753.8/3

All: -4.005+/-0.000 χ^2/NDF : 2709474766544

- sign -4.022+/-0.000 χ^2/NDF : 1263509693360.2/3

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 48060.2/16

Left Out: 0.002+/-0.000 χ^2/NDF : 420279.8/22

Right Out: 0.002+/-0.000 χ^2/NDF : 80681.9/18

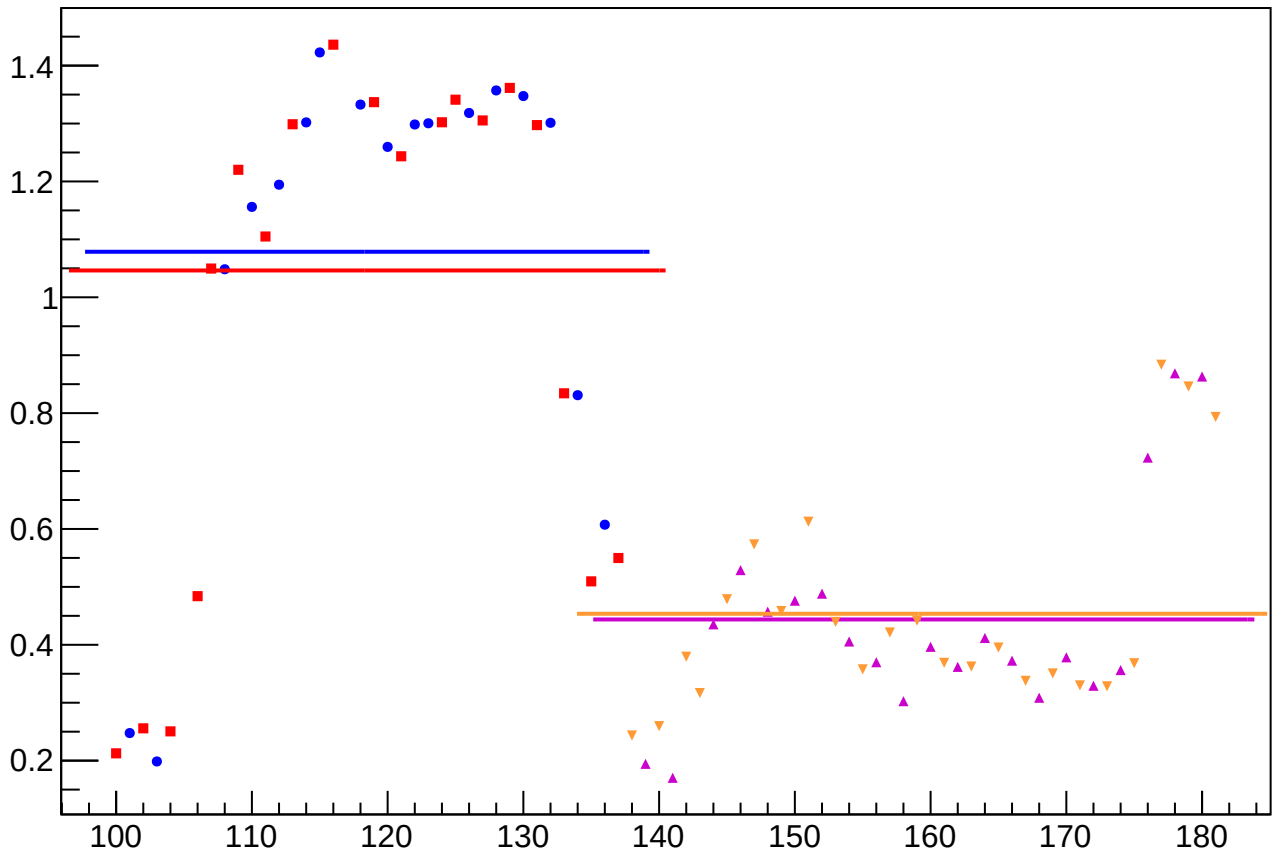
Left In: 0.002+/-0.000 χ^2/NDF : 348431.0/20

+ sign 0.002+/-0.000 χ^2/NDF : 758861.9/39

All: 0.002+/-0.000 χ^2/NDF : 1522544.5/79

- sign 0.002+/-0.000 χ^2/NDF : 763605.9/39

yield_bpm2i02X_mean vs Slug



Right In: 1.079 $\pm$ 0.000 χ^2 /NDF: 17504335724.9/16

Left Out: 0.454 $\pm$ 0.000 χ^2 /NDF: 6356184124.6/22

Right Out: 1.046 $\pm$ 0.000 χ^2 /NDF: 19655971884.7/18

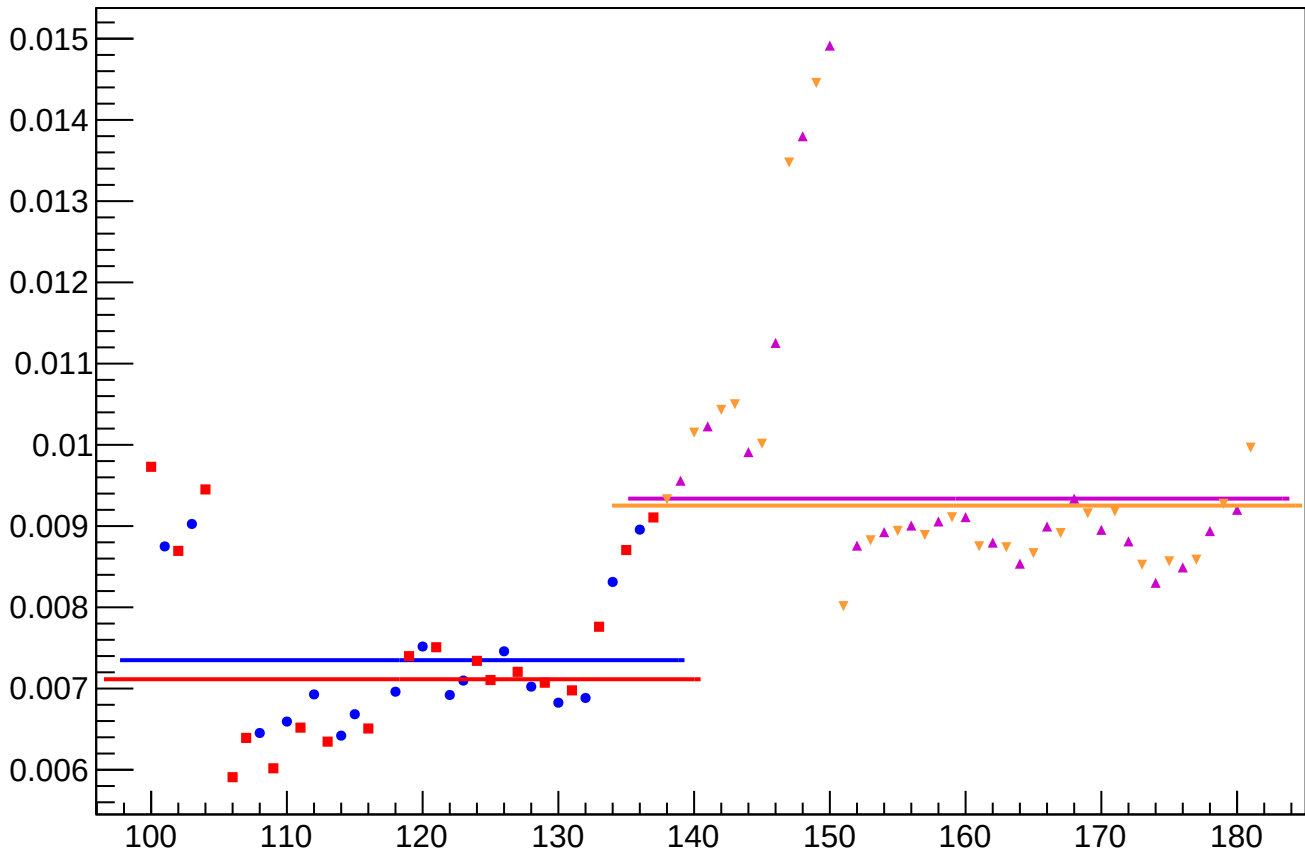
Left In: 0.444 $\pm$ 0.000 χ^2 /NDF: 6329070641.0/20

+ sign 0.691 $\pm$ 0.000 χ^2 /NDF: 53400538118.6/39

All: 0.697 $\pm$ 0.000 χ^2 /NDF: 107899381461.8

- sign 0.702 $\pm$ 0.000 χ^2 /NDF: 54478520996.8/39

yield_bpm2i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 180865.9/16

Left Out: 0.009+/-0.000 χ^2/NDF : 514139.6/22

Right Out: 0.007+/-0.000 χ^2/NDF : 259361.2/18

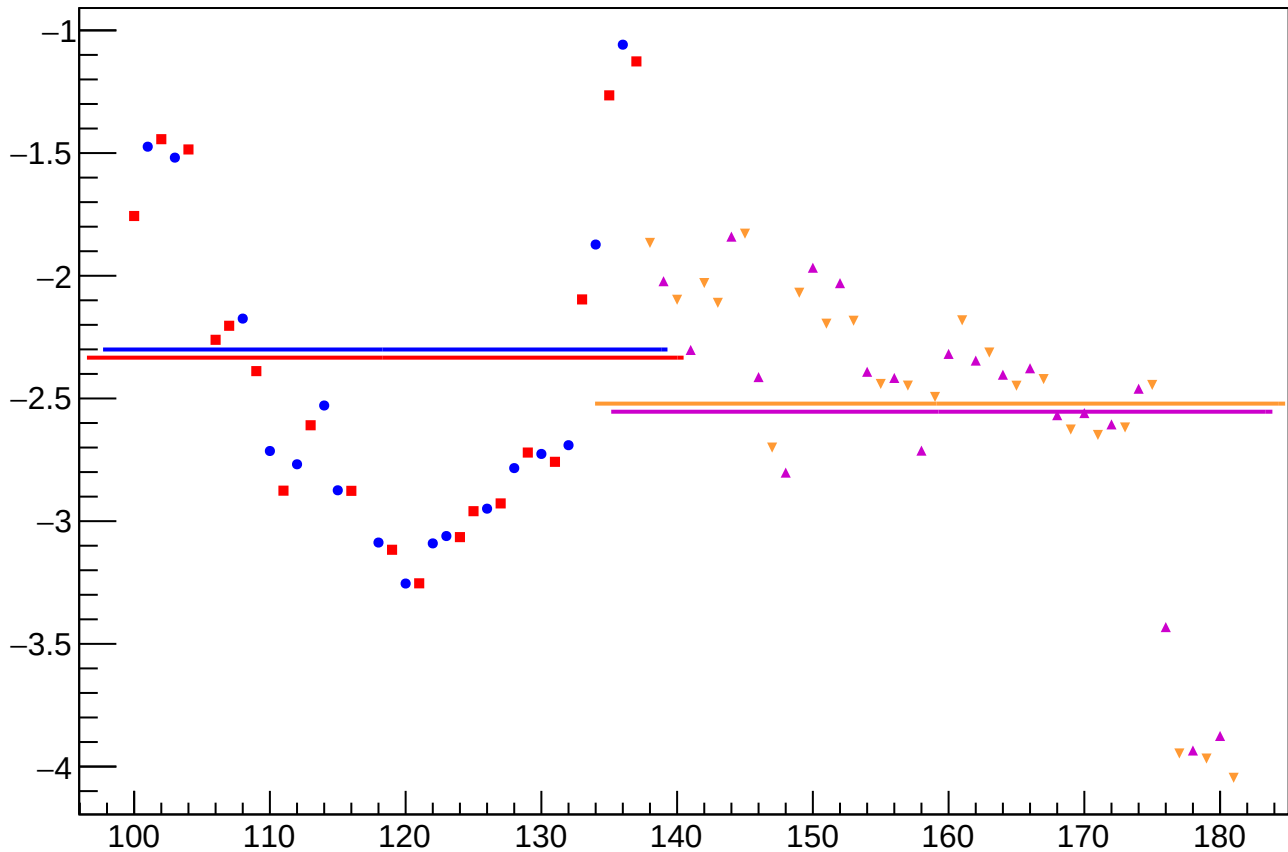
Left In: 0.009+/-0.000 χ^2/NDF : 555910.1/20

+ sign 0.009+/-0.000 χ^2/NDF : 1242756.5/39

All: 0.008+/-0.000 χ^2/NDF : 2840801.5/79

- sign 0.008+/-0.000 χ^2/NDF : 1591273.1/39

yield_bpm2i02Y_mean vs Slug



Right In: -2.300+/-0.000 χ^2/NDF : 73601400403.2/16

Left Out: -2.521+/-0.000 χ^2/NDF : 79905572730.3/22

Right Out: -2.334+/-0.000 χ^2/NDF : 64343197509.4/18

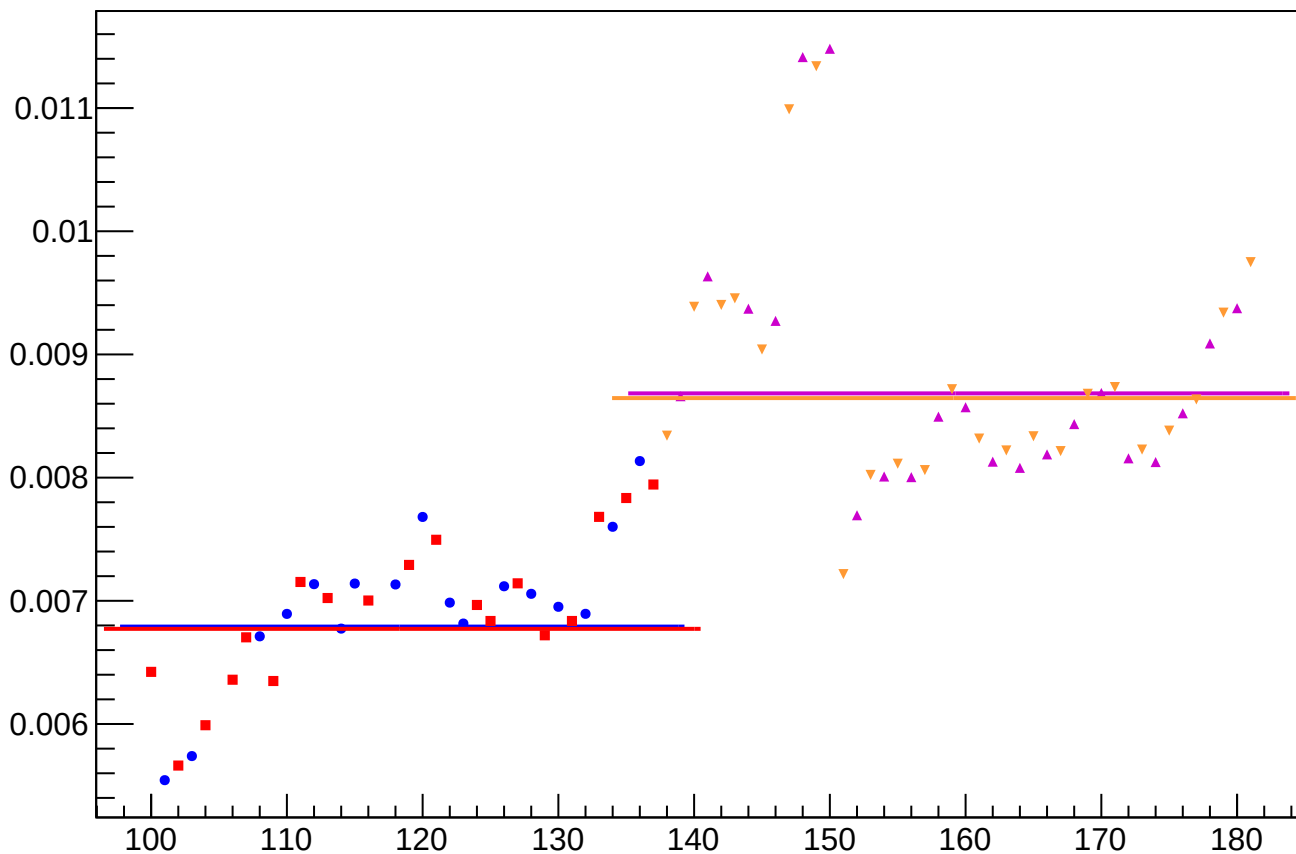
Left In: -2.554+/-0.000 χ^2/NDF : 60515363071.9/20

+ sign -2.436+/-0.000 χ^2/NDF : 157802223991.0/39

All: -2.449+/-0.000 χ^2/NDF : 287116042948.2

- sign -2.462+/-0.000 χ^2/NDF : 129191572847.8/39

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 165798.3/16

Left Out: 0.009+/-0.000 χ^2/NDF : 325857.0/22

Right Out: 0.007+/-0.000 χ^2/NDF : 123254.7/18

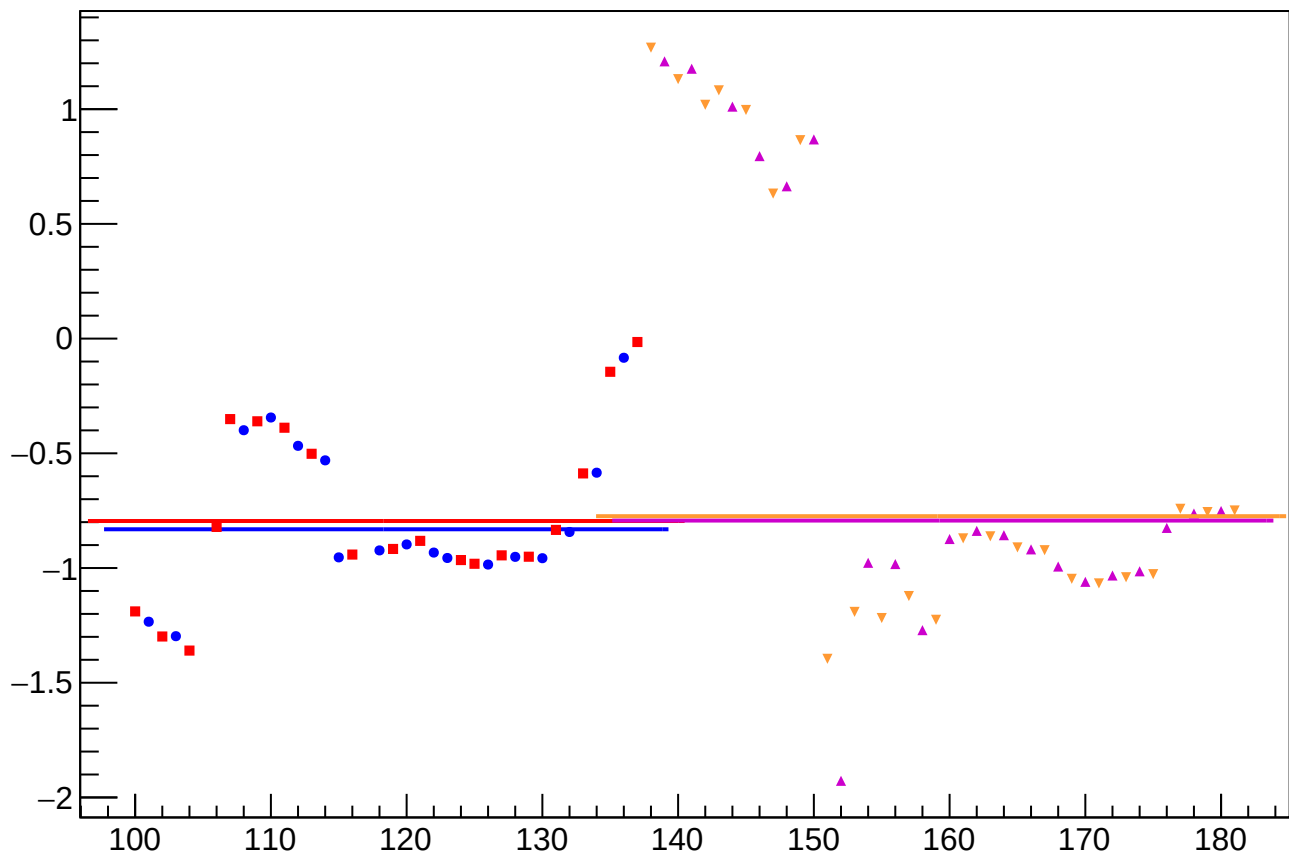
Left In: 0.009+/-0.000 χ^2/NDF : 323132.2/20

+ sign 0.008+/-0.000 χ^2/NDF : 1099422.6/39

All: 0.008+/-0.000 χ^2/NDF : 2199057.9/79

- sign 0.008+/-0.000 χ^2/NDF : 1098798.7/39

yield_bpm0i01X_mean vs Slug



Right In: -0.831 ± 0.000 χ^2/NDF : 6684927415.2/16

Left Out: -0.774 ± 0.000 χ^2/NDF : 118494605574.5/22

Right Out: -0.795 ± 0.000 χ^2/NDF : 7817248130.7/18

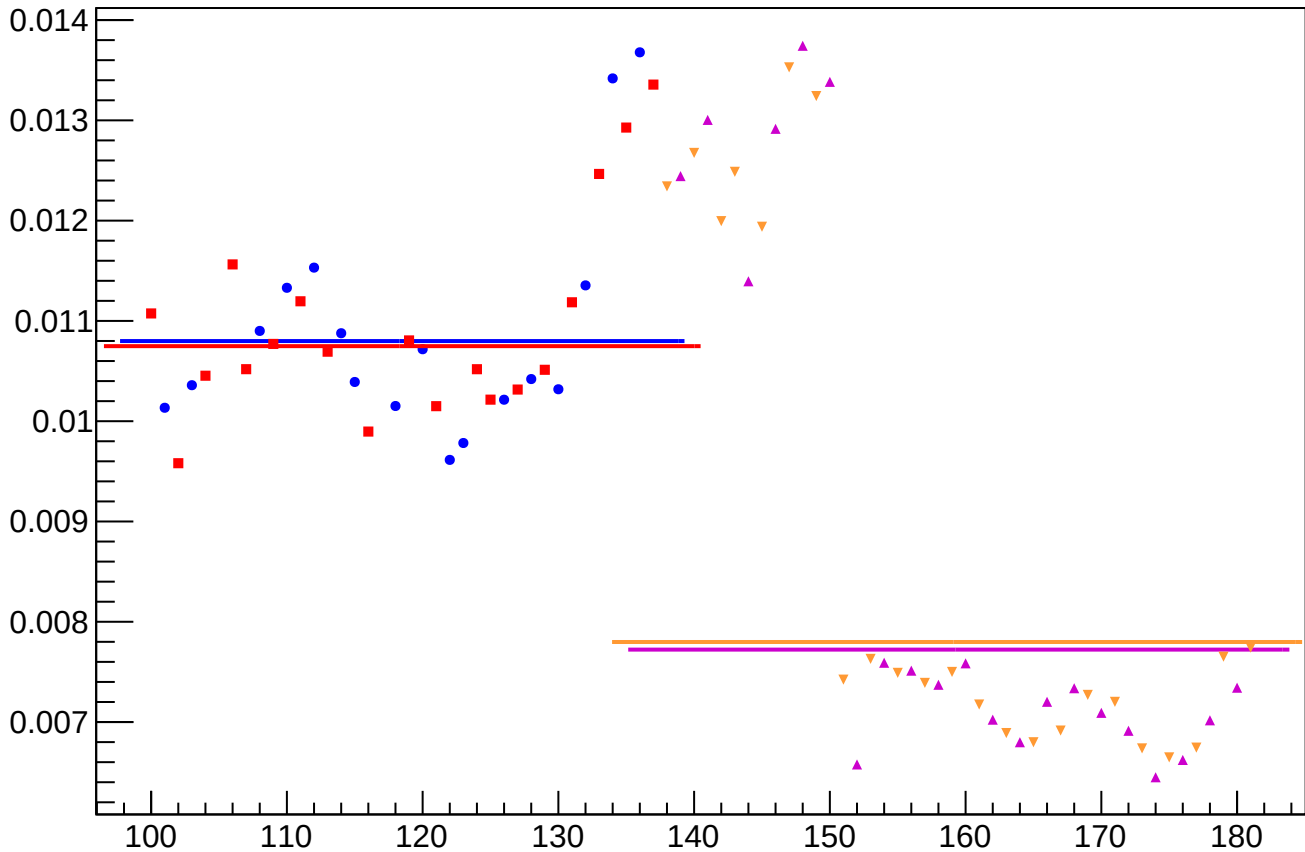
Left In: -0.793 ± 0.000 χ^2/NDF : 123419832499.2/20

+ sign -0.784 ± 0.000 χ^2/NDF : 125330435760.8/39

All: -0.789 ± 0.000 χ^2/NDF : 256581968299.5

- sign -0.793 ± 0.000 χ^2/NDF : 131237272750.4/39

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 124812.3/16

Left Out: 0.008+/-0.000 χ^2/NDF : 1676322.6/22

Right Out: 0.011+/-0.000 χ^2/NDF : 89612.1/18

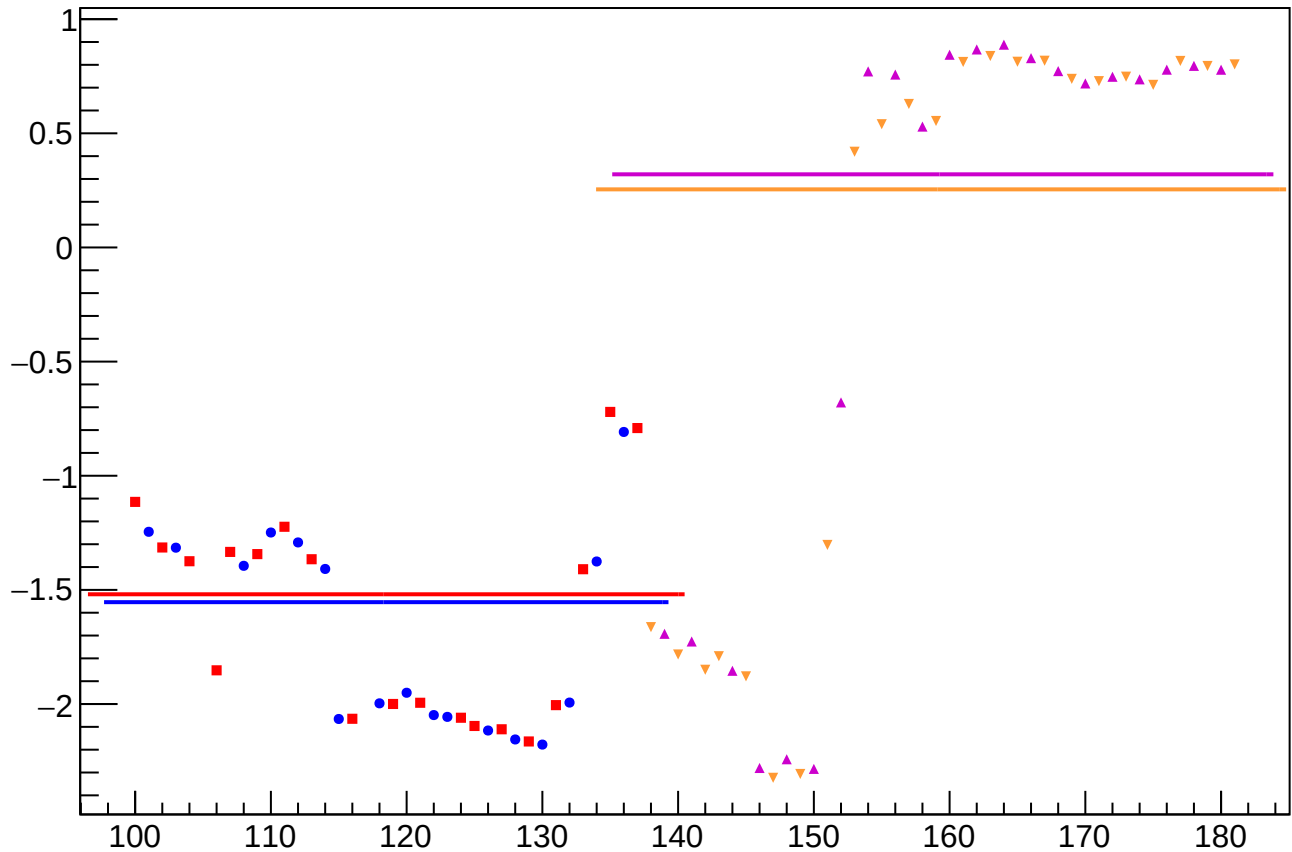
Left In: 0.008+/-0.000 χ^2/NDF : 1745192.3/20

+ sign 0.008+/-0.000 χ^2/NDF : 2636513.0/39

All: 0.008+/-0.000 χ^2/NDF : 5354400.6/79

- sign 0.008+/-0.000 χ^2/NDF : 2717710.8/39

yield_bpm0i01Y_mean vs Slug



Right In: -1.554+/-0.000 χ^2/NDF : 153751208532.9/16

Left Out: 0.254+/-0.000 χ^2/NDF : 2500480998252.1/22

Right Out: -1.519+/-0.000 χ^2/NDF : 138061021403.9/18

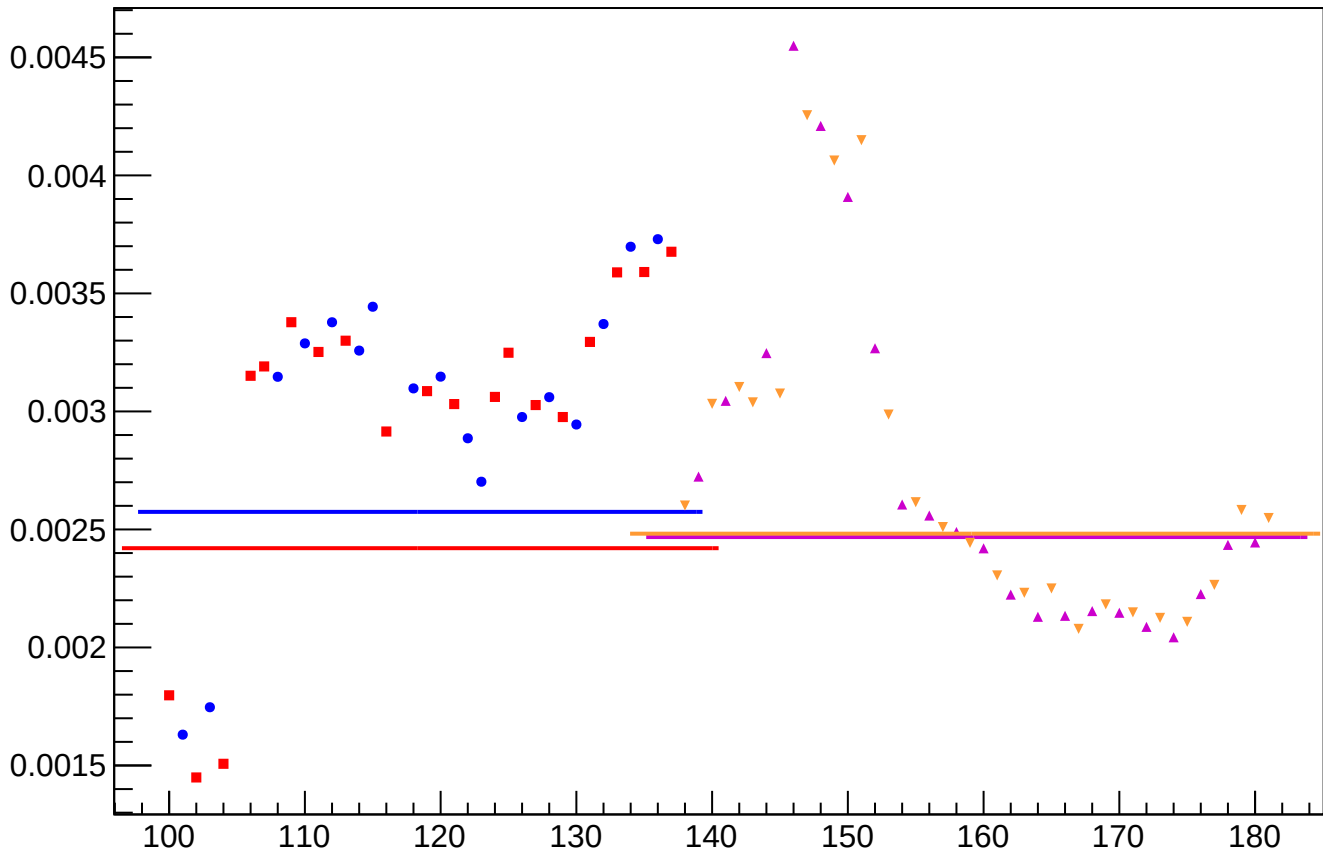
Left In: 0.320+/-0.000 χ^2/NDF : 2244567688112.1/20

+ sign -0.206+/-0.000 χ^2/NDF : 4724875310312.7/3

All: -0.212+/-0.000 χ^2/NDF : 9417244259706

- sign -0.218+/-0.000 χ^2/NDF : 4692150400361.3/3

yield_bpm0i01Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 1013543.2/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1060917.1/22

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 1484766.5/18

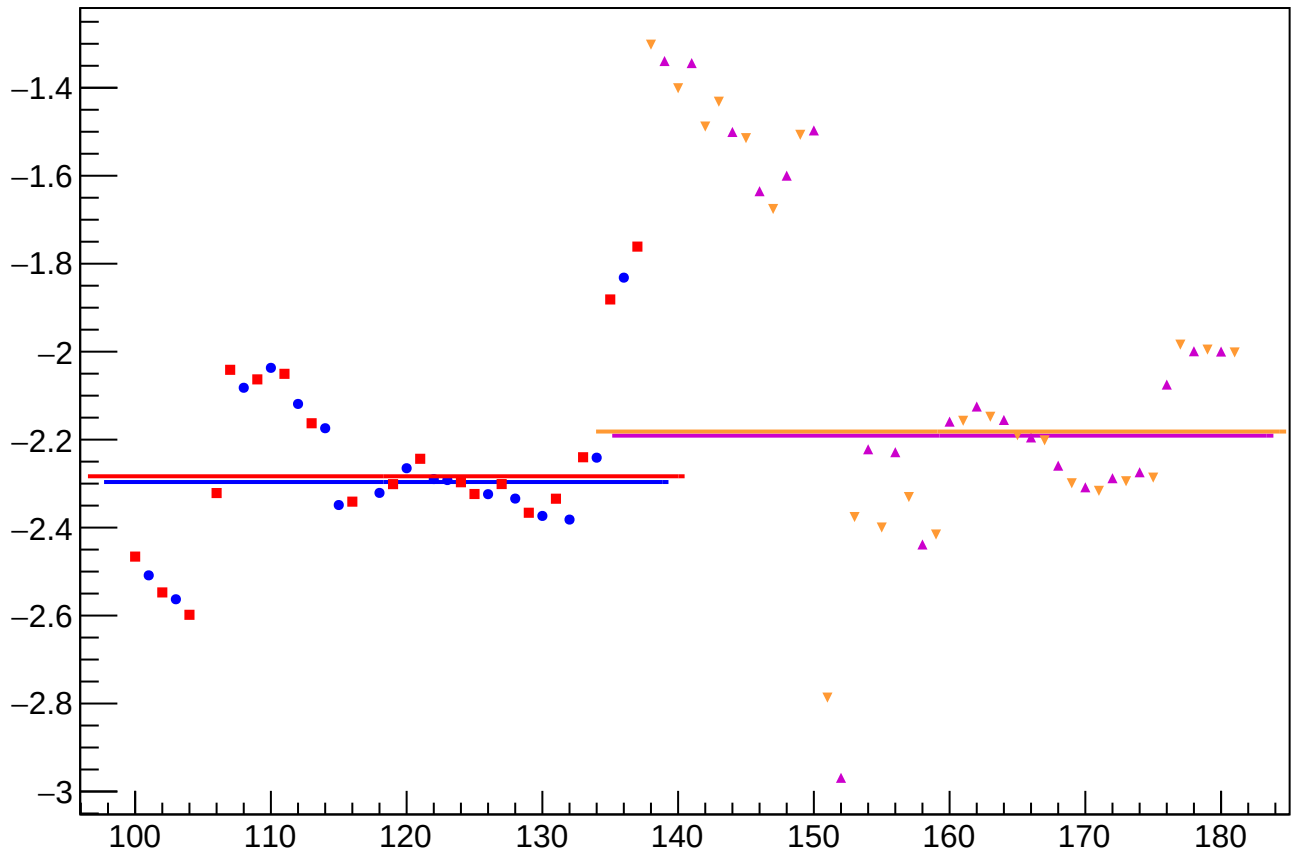
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1131943.2/20

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2085266.1/39

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 4713856.4/79

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2619748.7/39

yield_bpm0i01aX_mean vs Slug



Right In: -2.296+/-0.000 χ^2/NDF : 5781445779.2/16

Left Out: -2.182+/-0.000 χ^2/NDF : 57935078315.1/22

Right Out: -2.283+/-0.000 χ^2/NDF : 6547805693.1/18

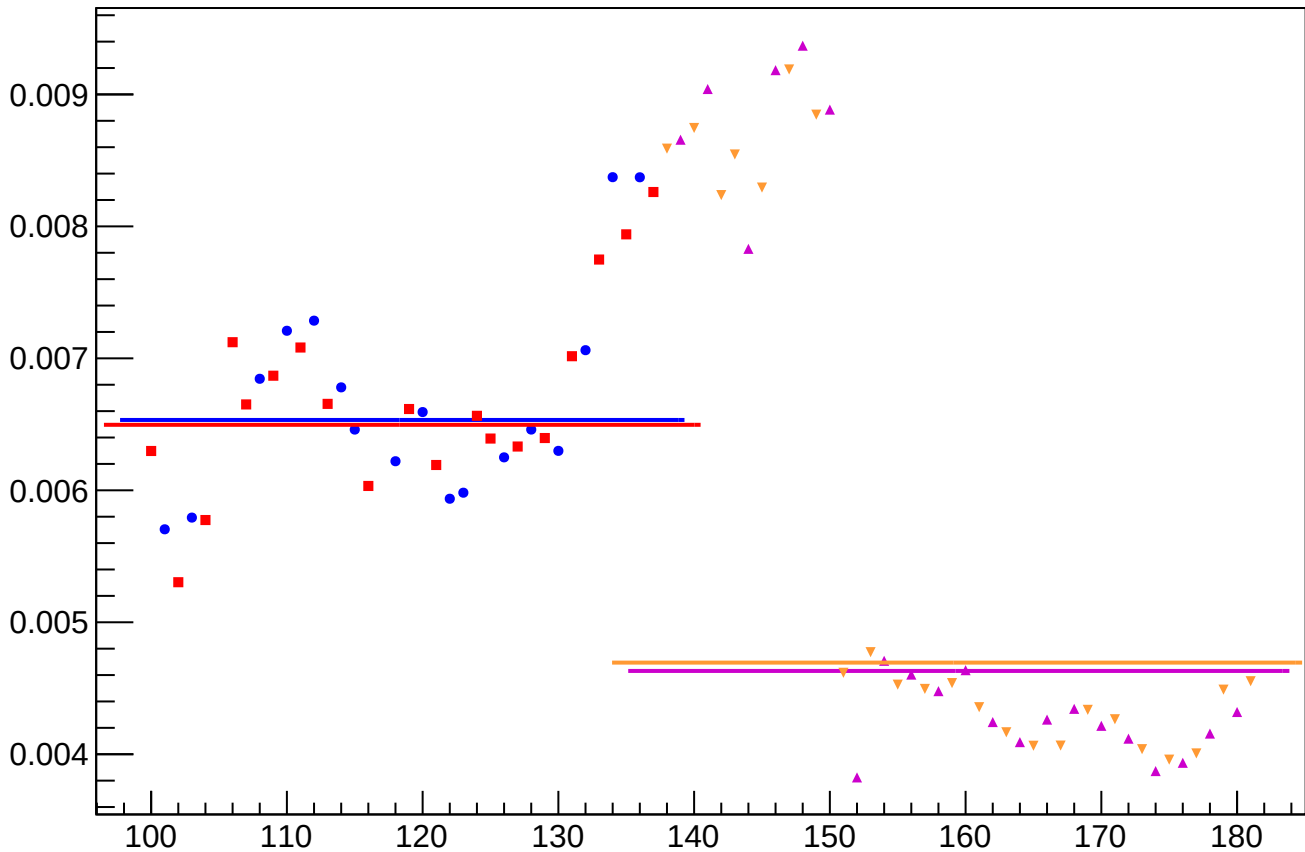
Left In: -2.191+/-0.000 χ^2/NDF : 71798480456.3/20

+ sign -2.202+/-0.000 χ^2/NDF : 65357557452.6/39

All: -2.205+/-0.000 χ^2/NDF : 144830768091.4

- sign -2.209+/-0.000 χ^2/NDF : 79453135140.6/39

yield_bpm0i01aX_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 175590.1/16

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:2276114.7/22

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 163206.3/18

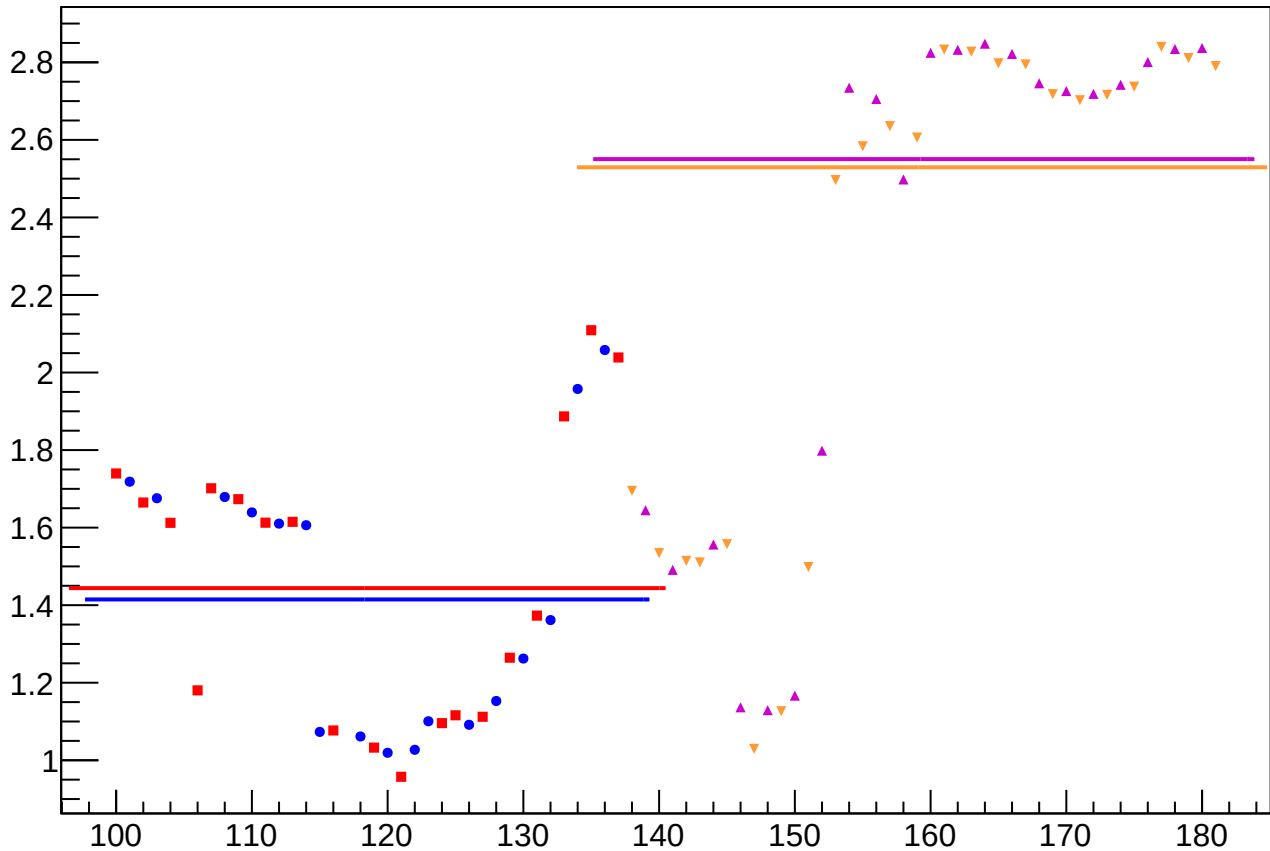
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:2363730.0/20

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3293801.9/39

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 6723736.4/79

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3429205.3/39

yield_bpm0i01aY_mean vs Slug



Right In: 1.415 $\pm$ 0.000 χ^2/NDF : 171733730631.9/16

Left Out: 2.529 $\pm$ 0.000 χ^2/NDF : 261899567314.1/22

Right Out: 1.444 $\pm$ 0.000 χ^2/NDF : 172869416198.6/18

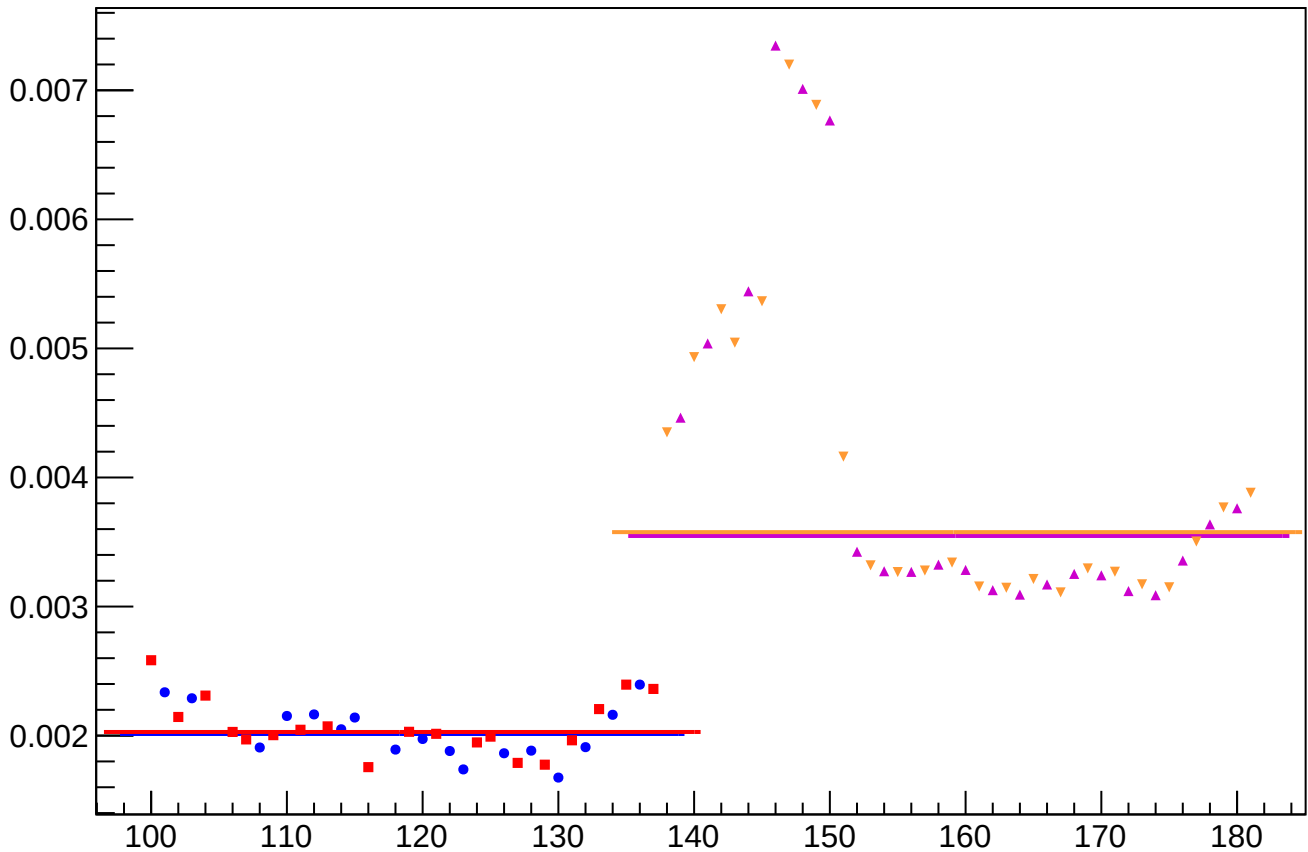
Left In: 2.550 $\pm$ 0.000 χ^2/NDF : 256111193346.8/20

+ sign 1.914 $\pm$ 0.000 χ^2/NDF : 1277738497903.6/39

All: 1.914 $\pm$ 0.000 χ^2/NDF : 2524004540304.0

- sign 1.914 $\pm$ 0.000 χ^2/NDF : 1246266031878.0/39

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 149372.5/16

Left Out: 0.004+/-0.000 χ^2/NDF :1365757.5/22

Right Out: 0.002+/-0.000 χ^2/NDF : 102976.0/18

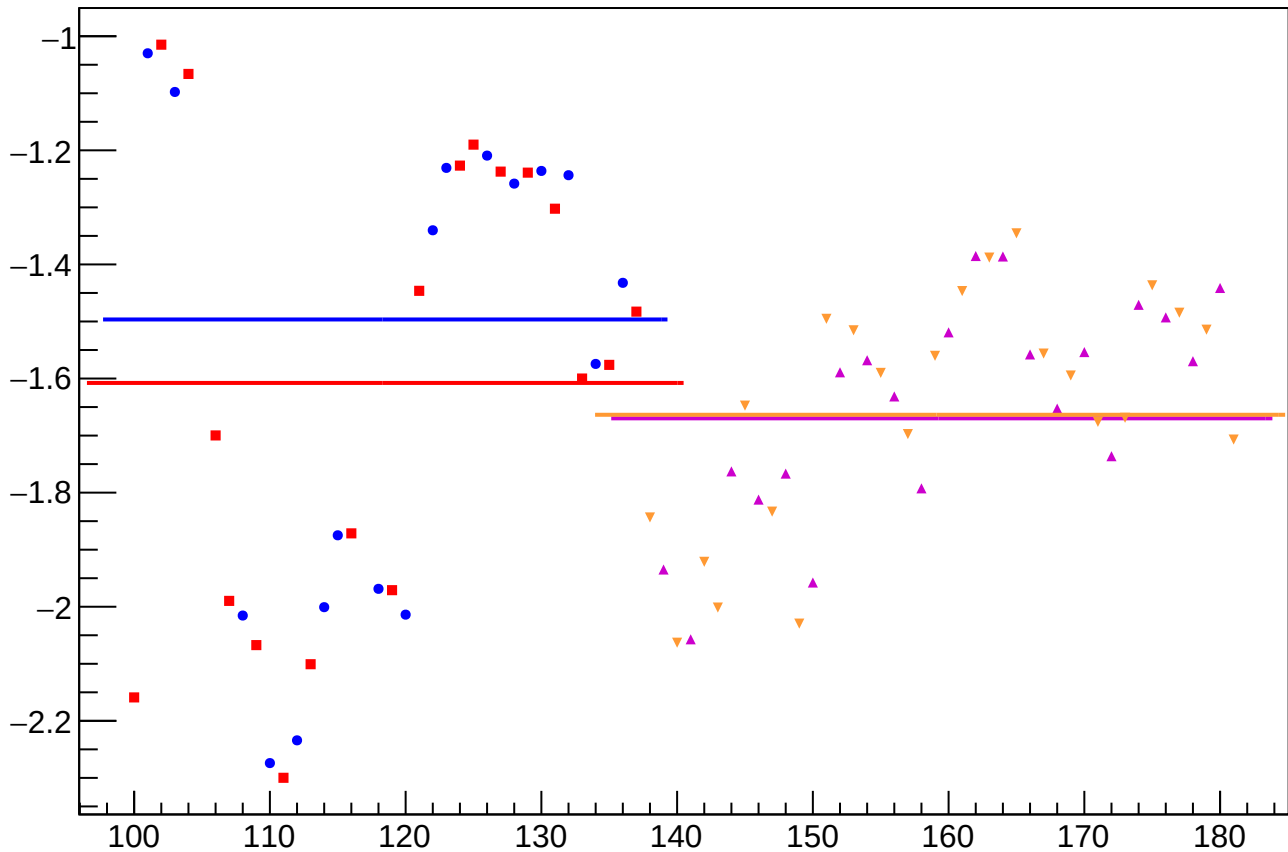
Left In: 0.004+/-0.000 χ^2/NDF :1542958.0/20

+ sign 0.003+/-0.000 χ^2/NDF : 4839358.5/39

All: 0.003+/-0.000 χ^2/NDF : 9569090.8/79

- sign 0.003+/-0.000 χ^2/NDF : 4725343.1/39

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22480434073.3/16

Left Out: -1.664+/-0.000 χ^2/NDF : 17902719567.0/22

Right Out: -1.608+/-0.000 χ^2/NDF : 27825836681.8/18

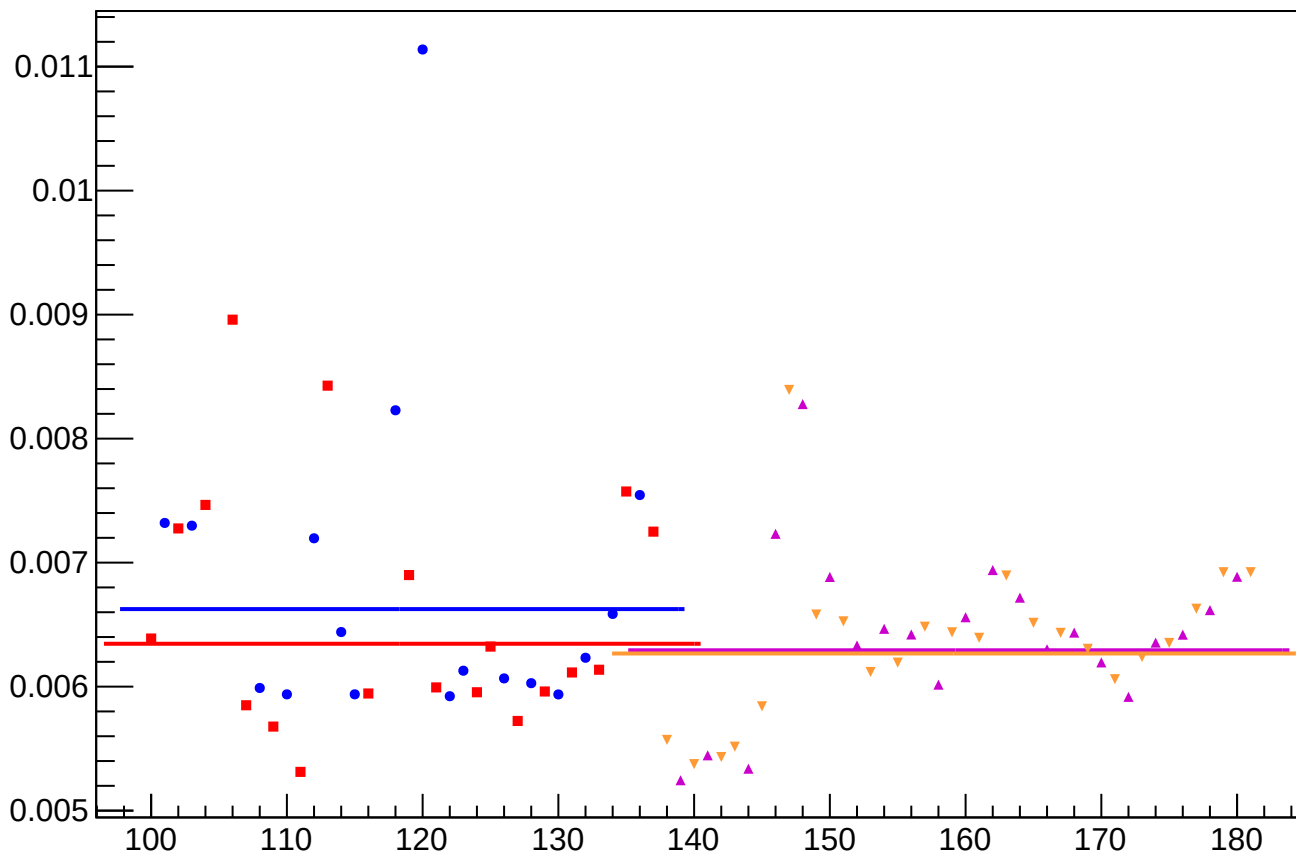
Left In: -1.670+/-0.000 χ^2/NDF : 14128673849.0/20

+ sign -1.622+/-0.000 χ^2/NDF : 43286349848.9/39

All: -1.637+/-0.000 χ^2/NDF : 85921573017.9

- sign -1.651+/-0.000 χ^2/NDF : 42397601022.1/39

yield_bpm0l01X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 231716.4/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:265031.7/22

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 228829.0/18

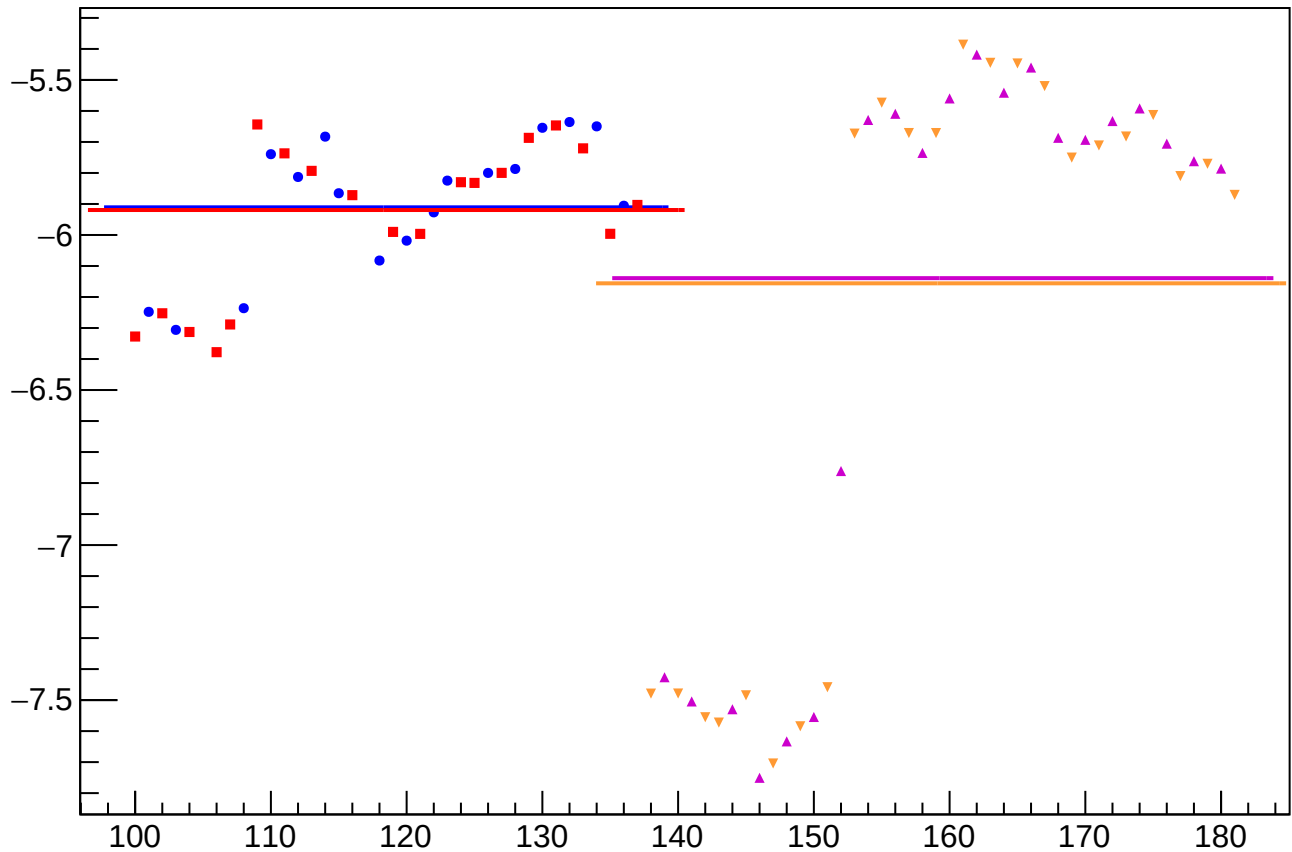
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:312102.4/20

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 523434.9/39

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 1066238.0/79

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 541568.4/39

yield_bpm0l01Y_mean vs Slug



Right In: -5.911+/-0.000 χ^2/NDF : 11134606775.1/16

Left Out: -6.156+/-0.000 χ^2/NDF : 181191750144.2/22

Right Out: -5.919+/-0.000 χ^2/NDF : 12817250659.6/18

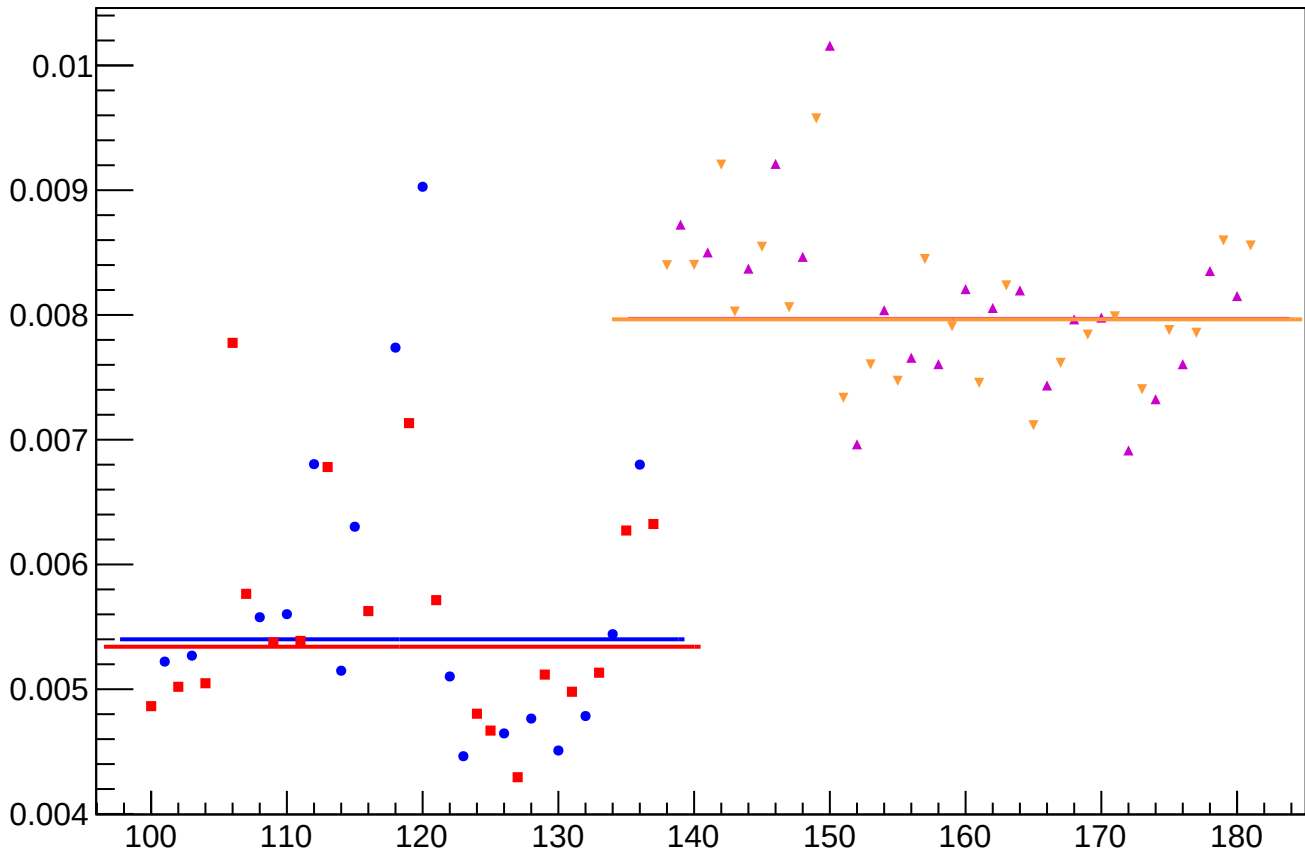
Left In: -6.139+/-0.000 χ^2/NDF : 156667346503.2/20

+ sign -6.046+/-0.000 χ^2/NDF : 199012070020.9/39

All: -6.039+/-0.000 χ^2/NDF : 374057781912.2

- sign -6.032+/-0.000 χ^2/NDF : 175002993599.7/39

yield_bpm0l01Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 370479.4/16

Left Out: 0.008+/-0.000 χ^2/NDF : 140651.2/22

Right Out: 0.005+/-0.000 χ^2/NDF : 251605.9/18

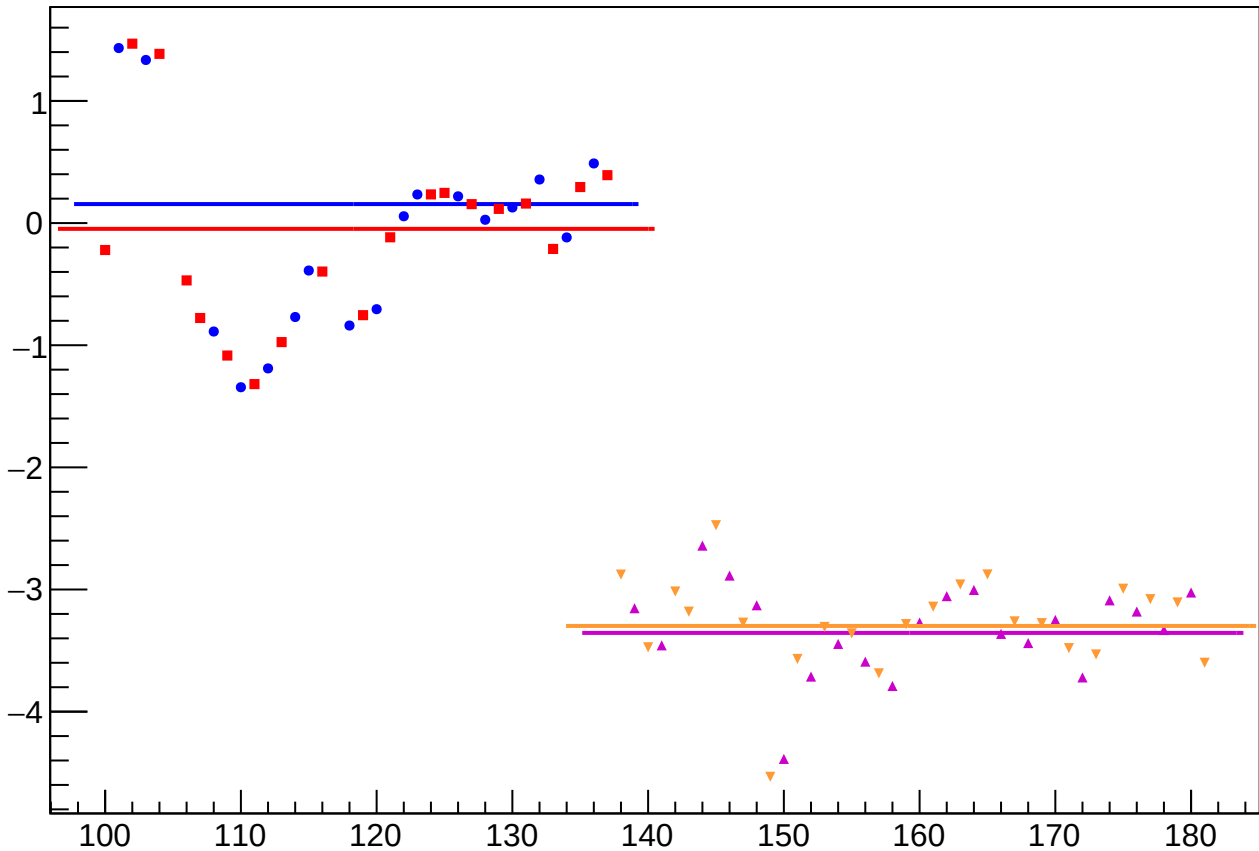
Left In: 0.008+/-0.000 χ^2/NDF : 208523.0/20

+ sign 0.007+/-0.000 χ^2/NDF : 1975871.8/39

All: 0.007+/-0.000 χ^2/NDF : 4021576.2/79

- sign 0.007+/-0.000 χ^2/NDF : 2038580.5/39

yield_bpm0l02X_mean vs Slug



Right In: 0.156+/-0.000 χ^2/NDF : 16968312396.2/16

Left Out: -3.298+/-0.000 χ^2/NDF : 9055777924.0/22

+ sign -2.209+/-0.000 χ^2/NDF : 275656584406.9/39

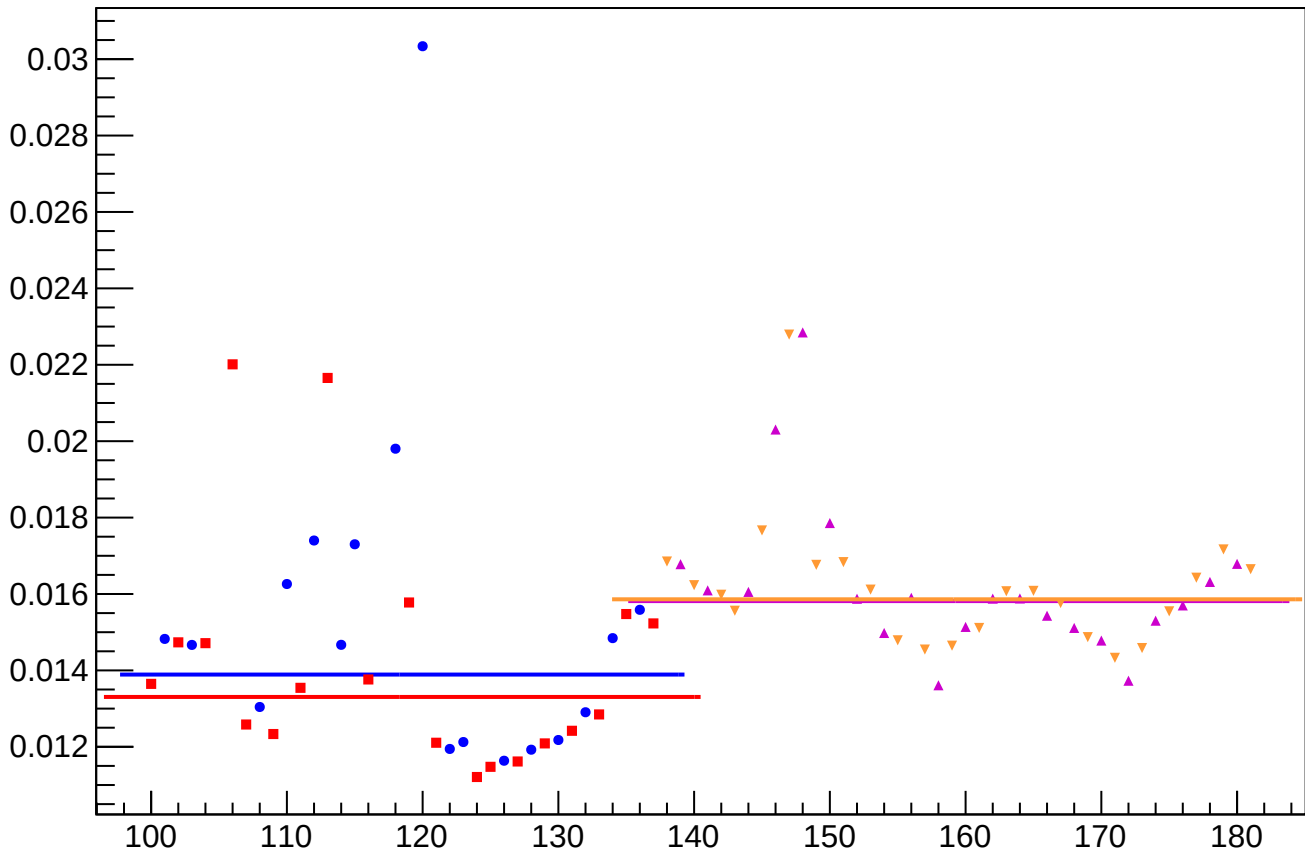
Right Out: -0.047+/-0.000 χ^2/NDF : 21207878974.4/18

All: -2.172+/-0.000 χ^2/NDF : 556544664573.3

Left In: -3.355+/-0.000 χ^2/NDF : 8092963330.2/20

- sign -2.136+/-0.000 χ^2/NDF : 280631566765.4/39

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 401280.4/16

Left Out: 0.016+/-0.000 χ^2/NDF :247884.1/22

Right Out: 0.013+/-0.000 χ^2/NDF : 293774.0/18

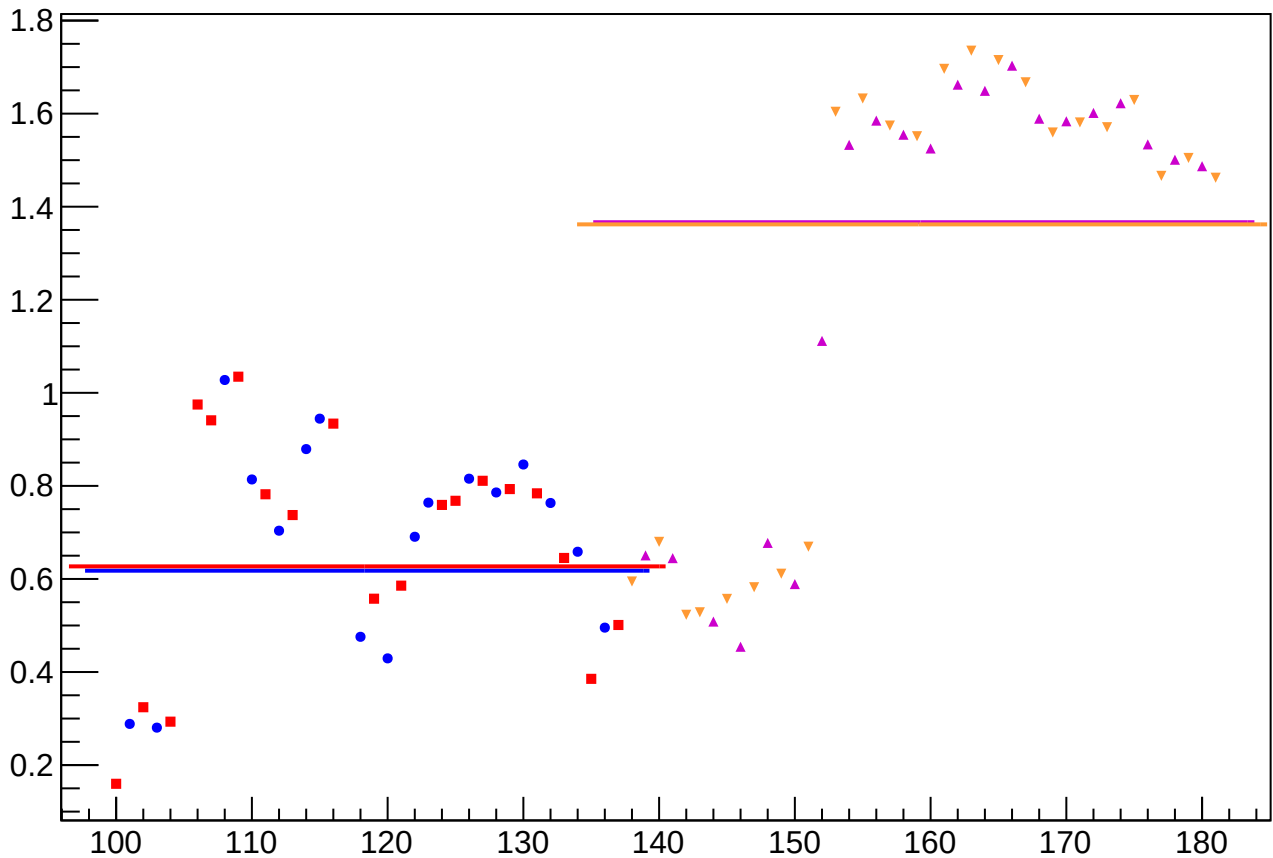
Left In: 0.016+/-0.000 χ^2/NDF :336032.5/20

+ sign 0.015+/-0.000 χ^2/NDF : 811583.1/39

All: 0.015+/-0.000 χ^2/NDF : 1742478.2/79

- sign 0.015+/-0.000 χ^2/NDF : 918917.4/39

yield_bpm0l02Y_mean vs Slug



Right In: 0.618 $\pm$ 0.000 χ^2 /NDF: 5402179431.9/16

Left Out: 1.362 $\pm$ 0.000 χ^2 /NDF: 72816349996.7/22

Right Out: 0.627 $\pm$ 0.000 χ^2 /NDF: 6335950203.8/18

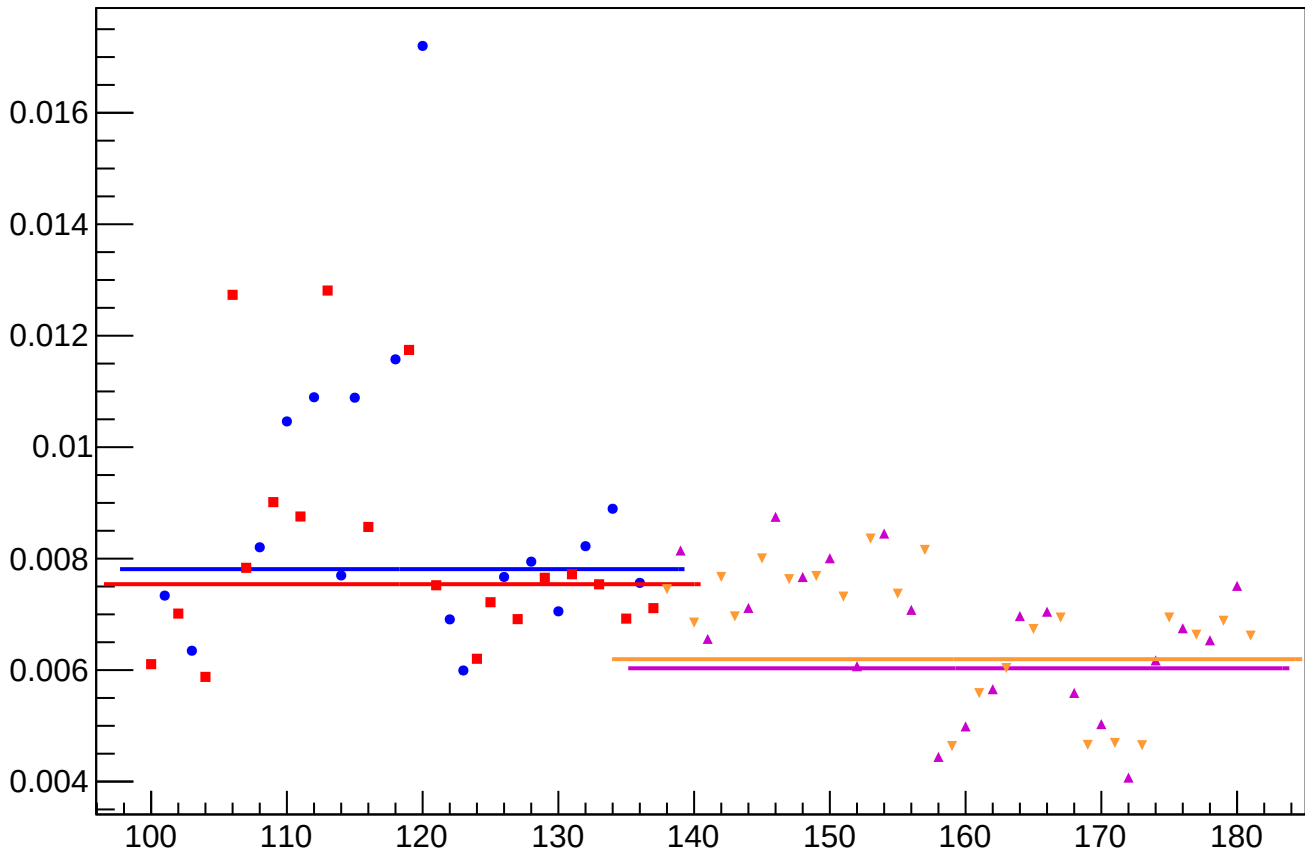
Left In: 1.367 $\pm$ 0.000 χ^2 /NDF: 63024638189.4/20

+ sign 1.222 $\pm$ 0.000 χ^2 /NDF: 120931368044.7/39

All: 1.216 $\pm$ 0.000 χ^2 /NDF: 237230413377.3

- sign 1.211 $\pm$ 0.000 χ^2 /NDF: 116269095109.5/39

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 467235.0/16

Left Out: 0.006+/-0.000 χ^2/NDF :1275431.1/22

Right Out: 0.008+/-0.000 χ^2/NDF : 441480.1/18

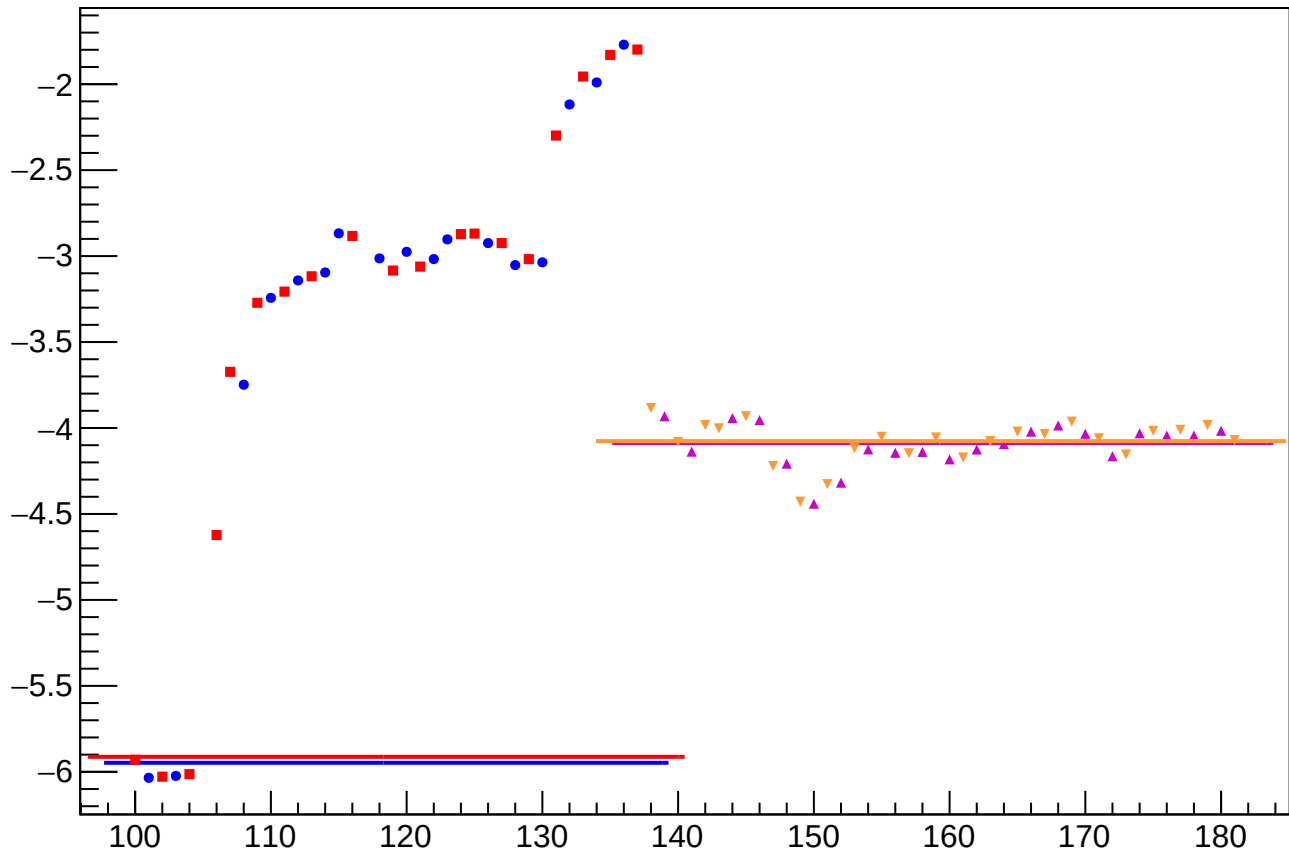
Left In: 0.006+/-0.000 χ^2/NDF :1400251.1/20

+ sign 0.007+/-0.000 χ^2/NDF : 2145156.9/39

All: 0.006+/-0.000 χ^2/NDF : 4388940.9/79

- sign 0.006+/-0.000 χ^2/NDF : 2232284.7/39

yield_bpm0l03X_mean vs Slug



Right In: -5.947+/-0.000 χ^2 /NDF: 13110506154.0/16

Left Out: -4.076+/-0.000 χ^2 /NDF: 36163263.5/22

Right Out: -5.913+/-0.000 χ^2 /NDF: 14598904051.6/18

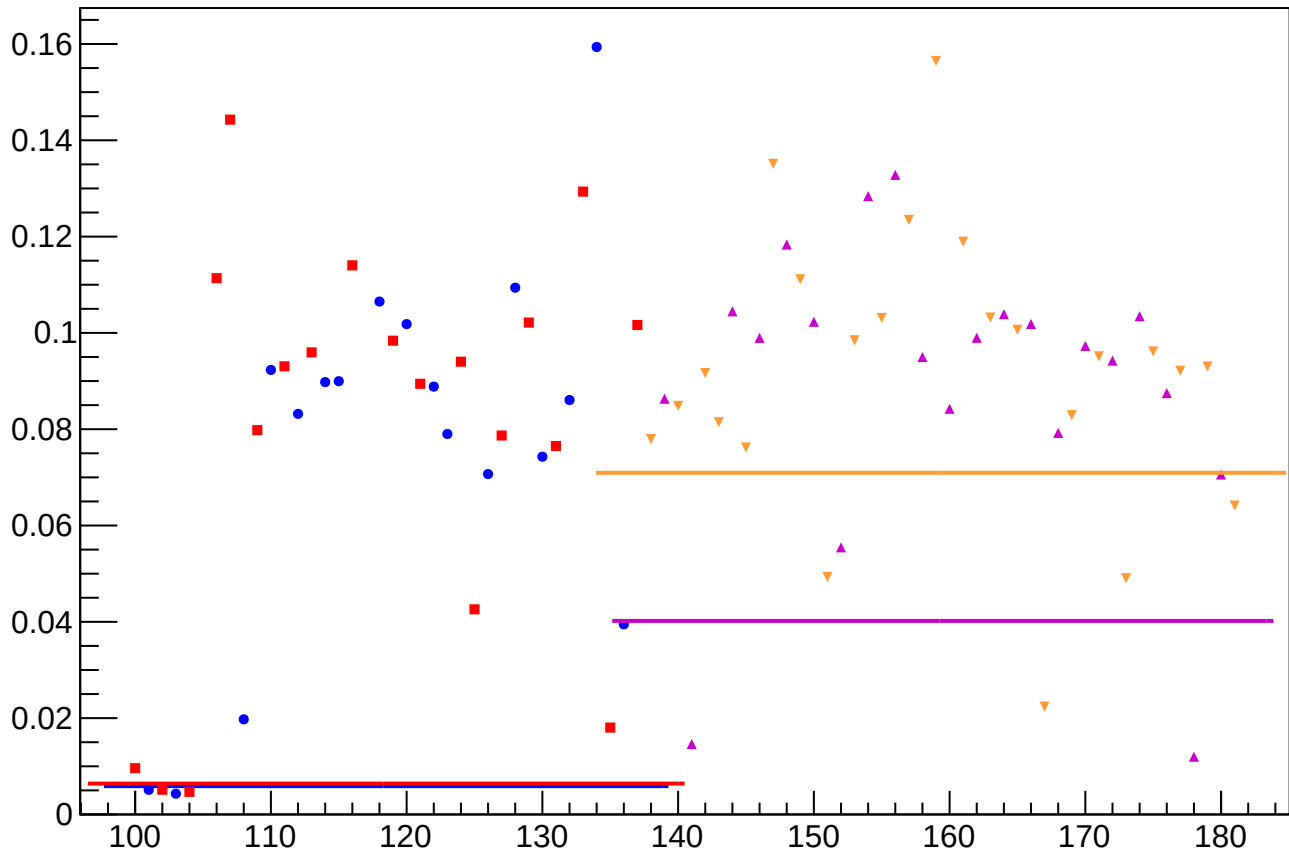
Left In: -4.088+/-0.000 χ^2 /NDF: 34402474.9/20

+ sign -5.857+/-0.000 χ^2 /NDF: 21117700252.3/39

All: -5.800+/-0.000 χ^2 /NDF: 48665237429.6/

- sign -5.732+/-0.000 χ^2 /NDF: 27189765004.6/39

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 7912012.3/16

Left Out: 0.071 $\pm$ 0.000 χ^2 /NDF:5013383.8/22

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 8462409.6/18

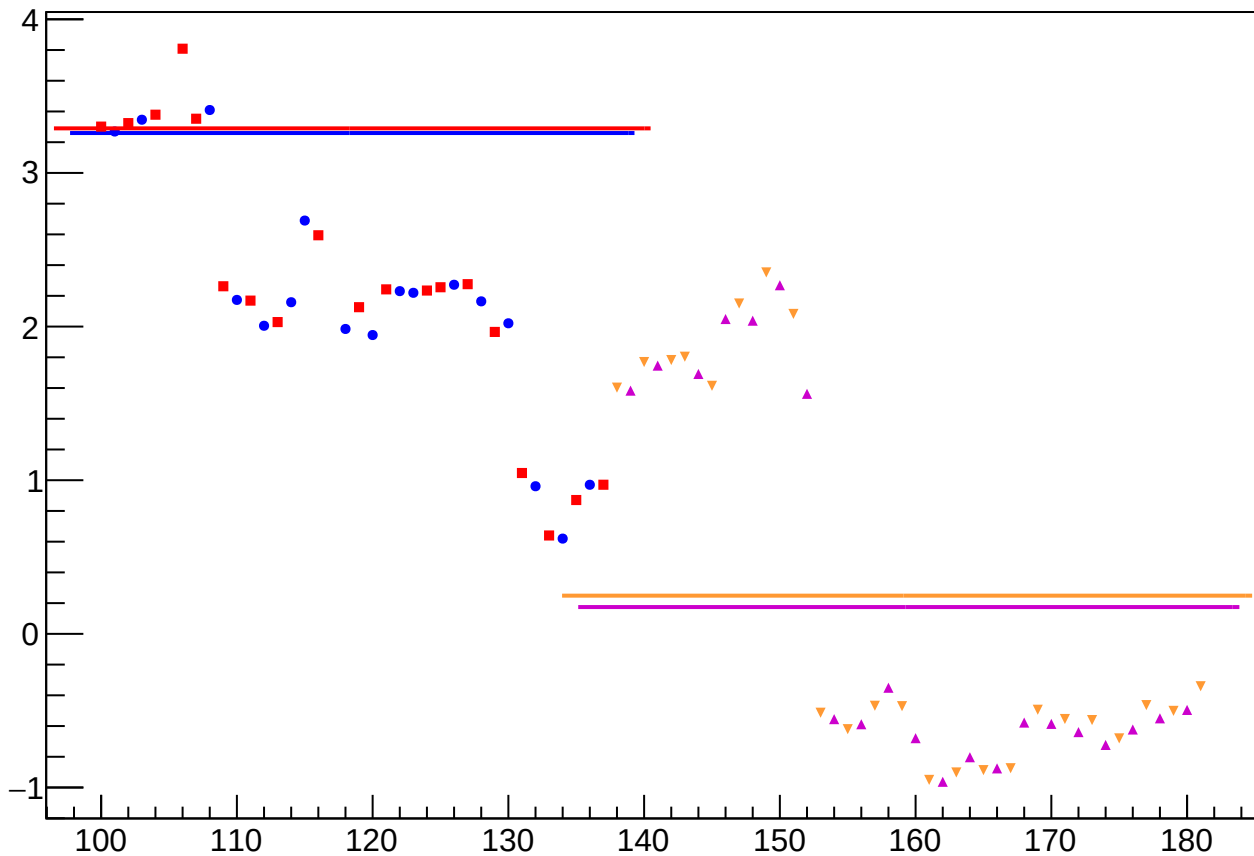
Left In: 0.040 $\pm$ 0.000 χ^2 /NDF:12408554.8/20

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 32201458.9/39

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 61701566.2/79

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 29475252.4/39

yield_bpm0l03Y_mean vs Slug



Right In: 3.260 $\pm$ 0.000 χ^2 /NDF: 2914830636.8/16

Left Out: 0.249 $\pm$ 0.000 χ^2 /NDF:3095067844.5/22

Right Out: 3.290 $\pm$ 0.000 χ^2 /NDF: 3257931929.9/18

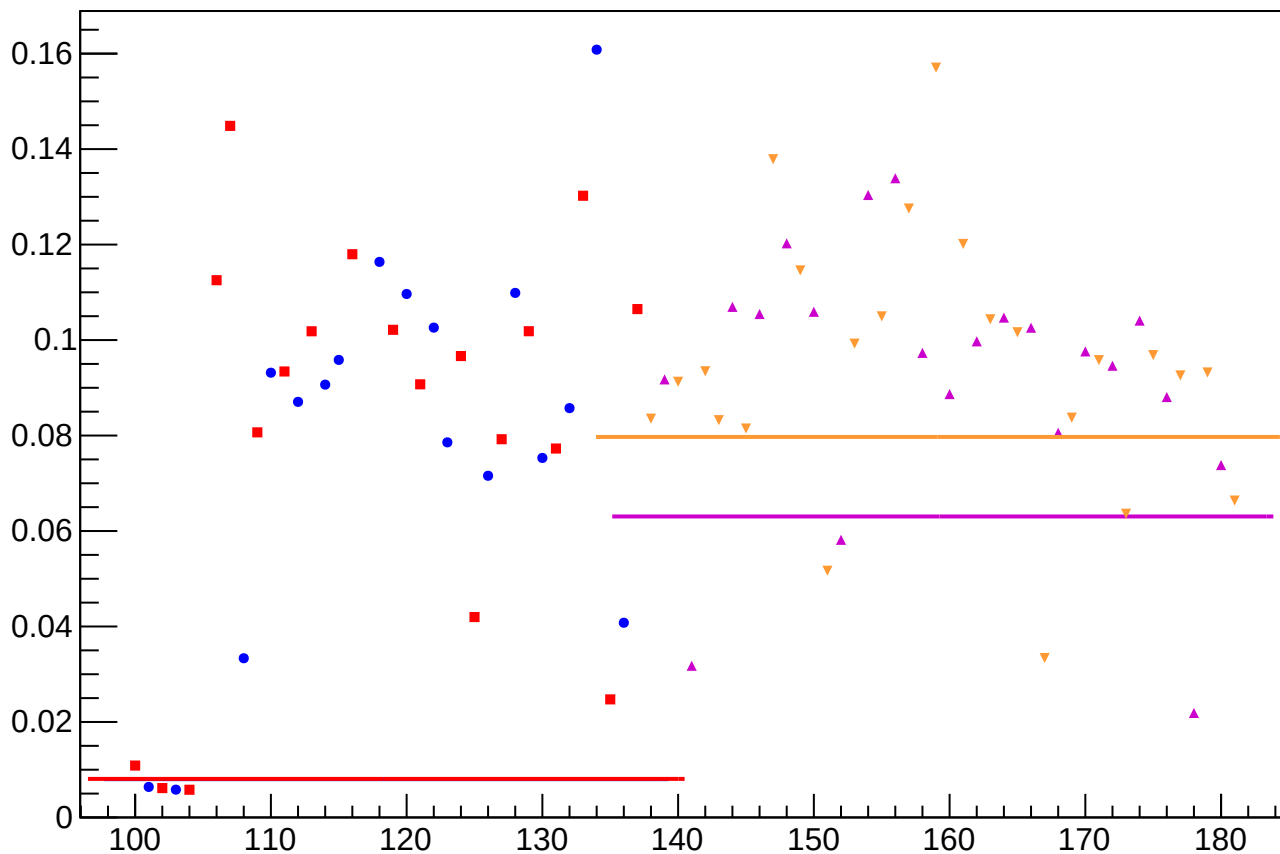
Left In: 0.174 $\pm$ 0.000 χ^2 /NDF:3128301212.1/20

+ sign 3.058 $\pm$ 0.000 χ^2 /NDF: 23498679709.4/39

All: 3.040 $\pm$ 0.000 χ^2 /NDF: 52110015787.4/7

- sign 3.021 $\pm$ 0.000 χ^2 /NDF: 28591020083.3/39

yield_bpm0l03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7721103.3/16

Left Out: 0.080 $\pm$ 0.000 χ^2 /NDF:3220342.2/22

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8274347.6/18

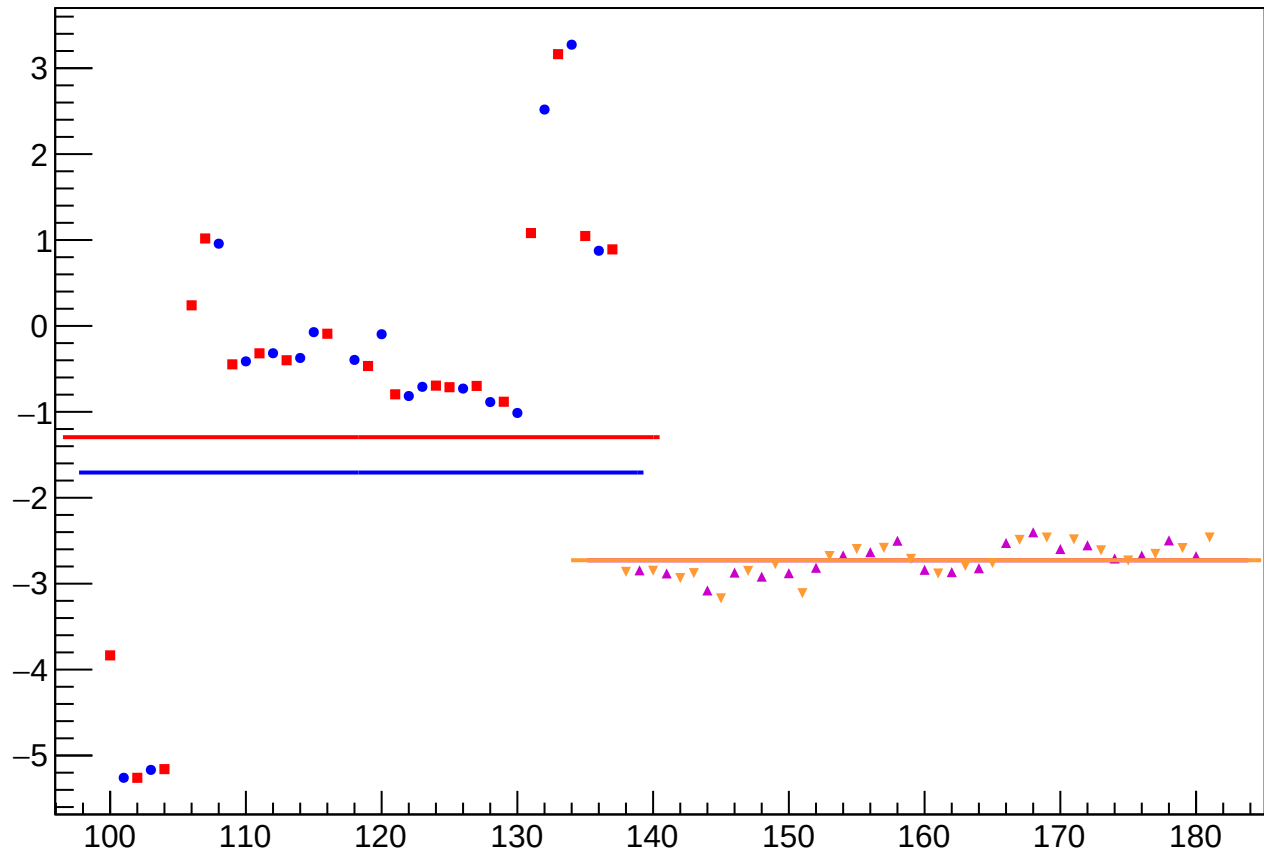
Left In: 0.063 $\pm$ 0.000 χ^2 /NDF:6624923.9/20

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 30762436.1/39

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 59487107.3/79

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 28724667.8/39

yield_bpm0l04X_mean vs Slug



Right In: -1.706 ± 0.000 χ^2/NDF : 166152957432.2/16

Left Out: -2.727 ± 0.000 χ^2/NDF : 9988774308.4/22

Right Out: -1.295 ± 0.000 χ^2/NDF : 178454284120.5/18

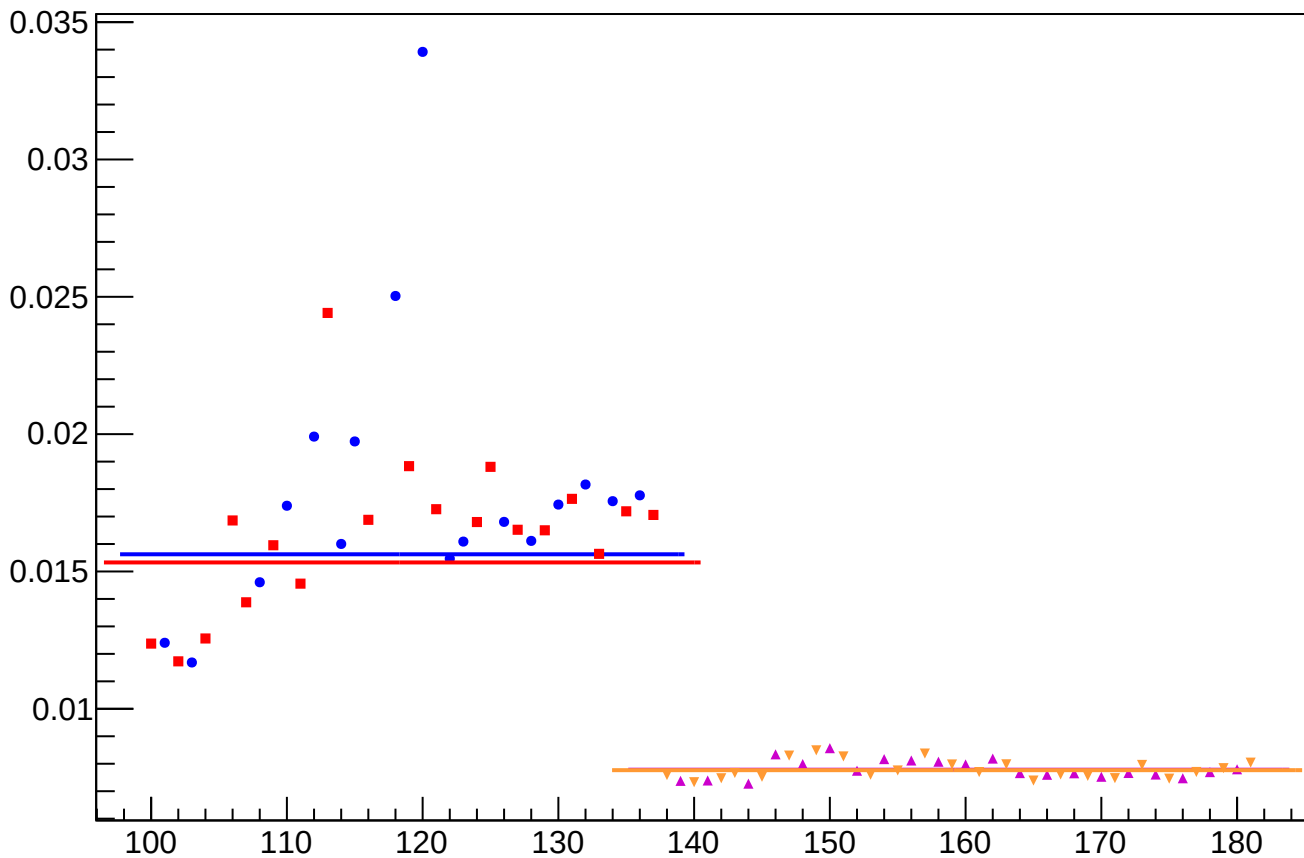
Left In: -2.728 ± 0.000 χ^2/NDF : 7894242637.8/20

+ sign -2.649 ± 0.000 χ^2/NDF : 198181020839.5/39

All: -2.623 ± 0.000 χ^2/NDF : 434055146018.2

- sign -2.596 ± 0.000 χ^2/NDF : 235461082720.1/39

yield_bpm0l04X_rms vs Slug



Right In: 0.016 $\pm$ 0.000 χ^2 /NDF: 576262.6/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:55099.1/22

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 349445.5/18

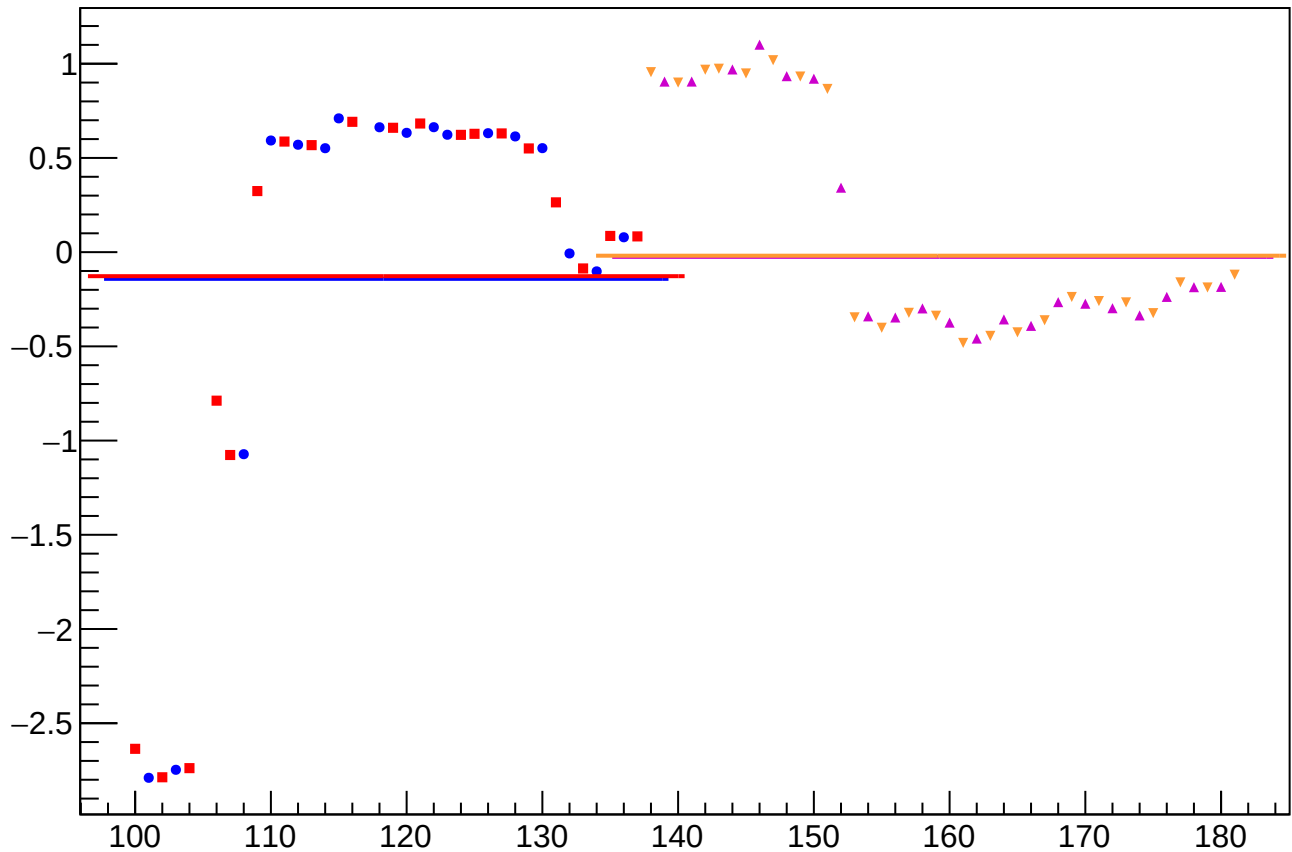
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:58136.0/20

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 3244534.1/39

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 6378658.8/79

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 3130391.3/39

yield_bpm0l04Y_mean vs Slug



Right In: -0.142+/-0.000 χ^2/NDF : 713960839307.6/16

Left Out: -0.019+/-0.000 χ^2/NDF : 132499287455.3/22

Right Out: -0.128+/-0.000 χ^2/NDF : 760638736693.8/18

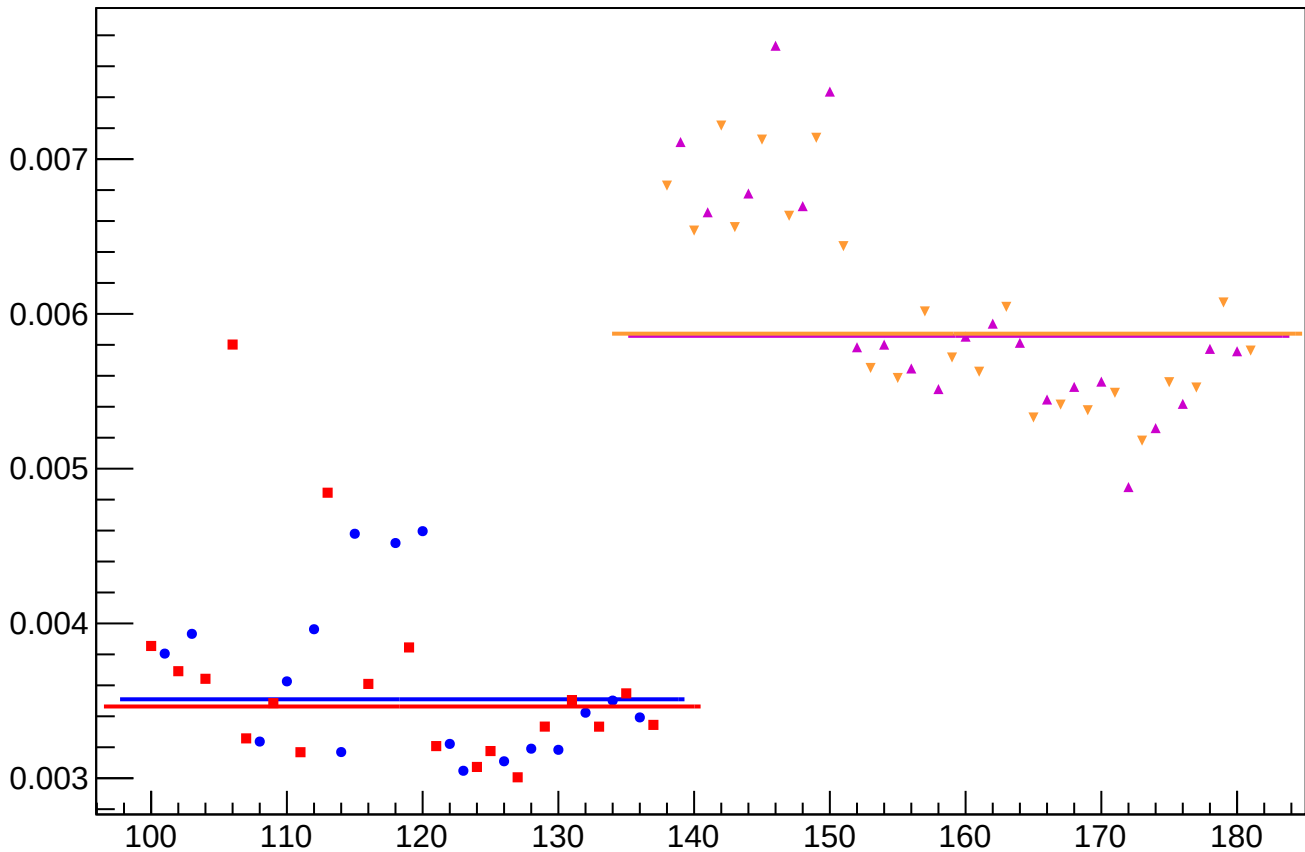
Left In: -0.025+/-0.000 χ^2/NDF : 113207608251.9/20

+ sign -0.083+/-0.000 χ^2/NDF : 850118973547.9/39

All: -0.083+/-0.000 χ^2/NDF : 1726552196192

- sign -0.082+/-0.000 χ^2/NDF : 876432838204.5/39

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 171943.8/16

Left Out: 0.006+/-0.000 χ^2/NDF :283604.9/22

Right Out: 0.003+/-0.000 χ^2/NDF : 215500.5/18

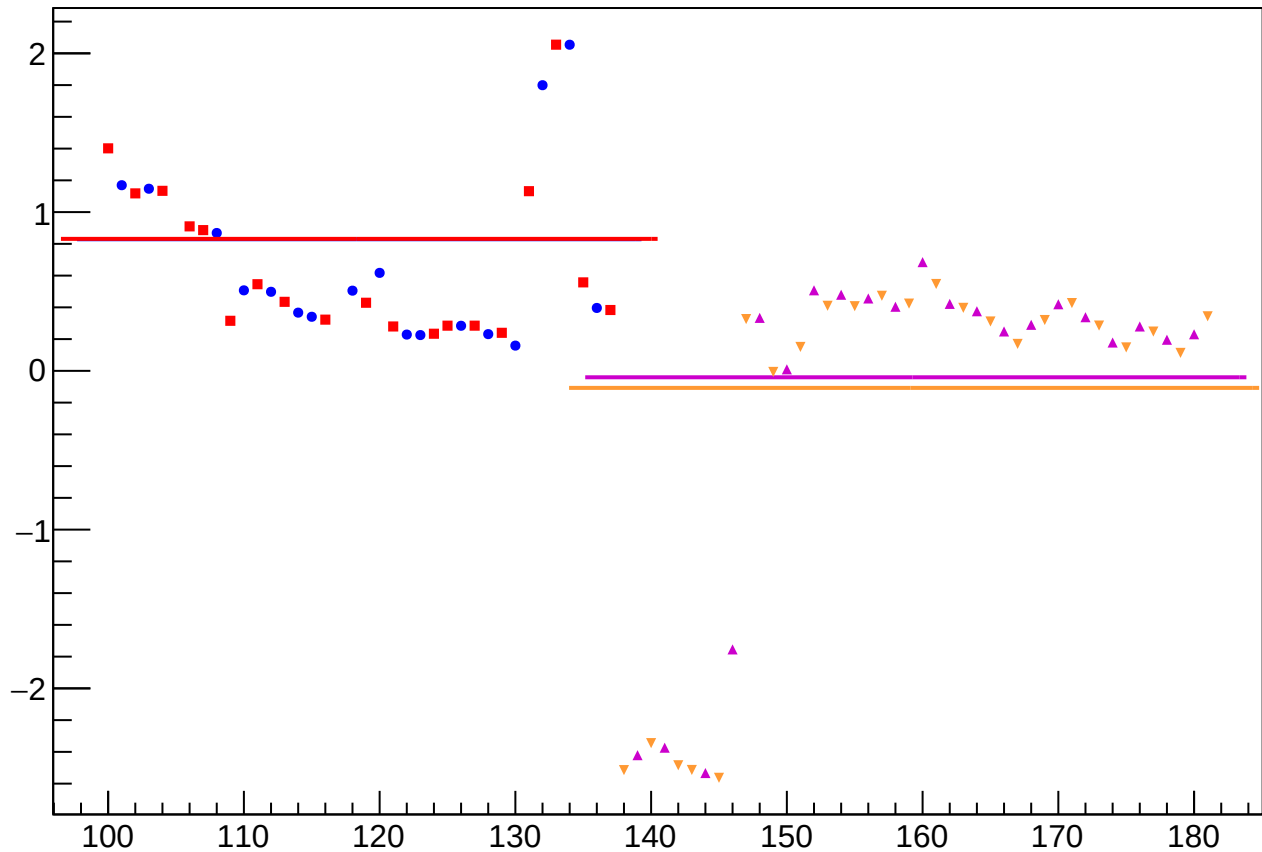
Left In: 0.006+/-0.000 χ^2/NDF :363368.1/20

+ sign 0.005+/-0.000 χ^2/NDF : 3166513.2/39

All: 0.005+/-0.000 χ^2/NDF : 6579672.6/79

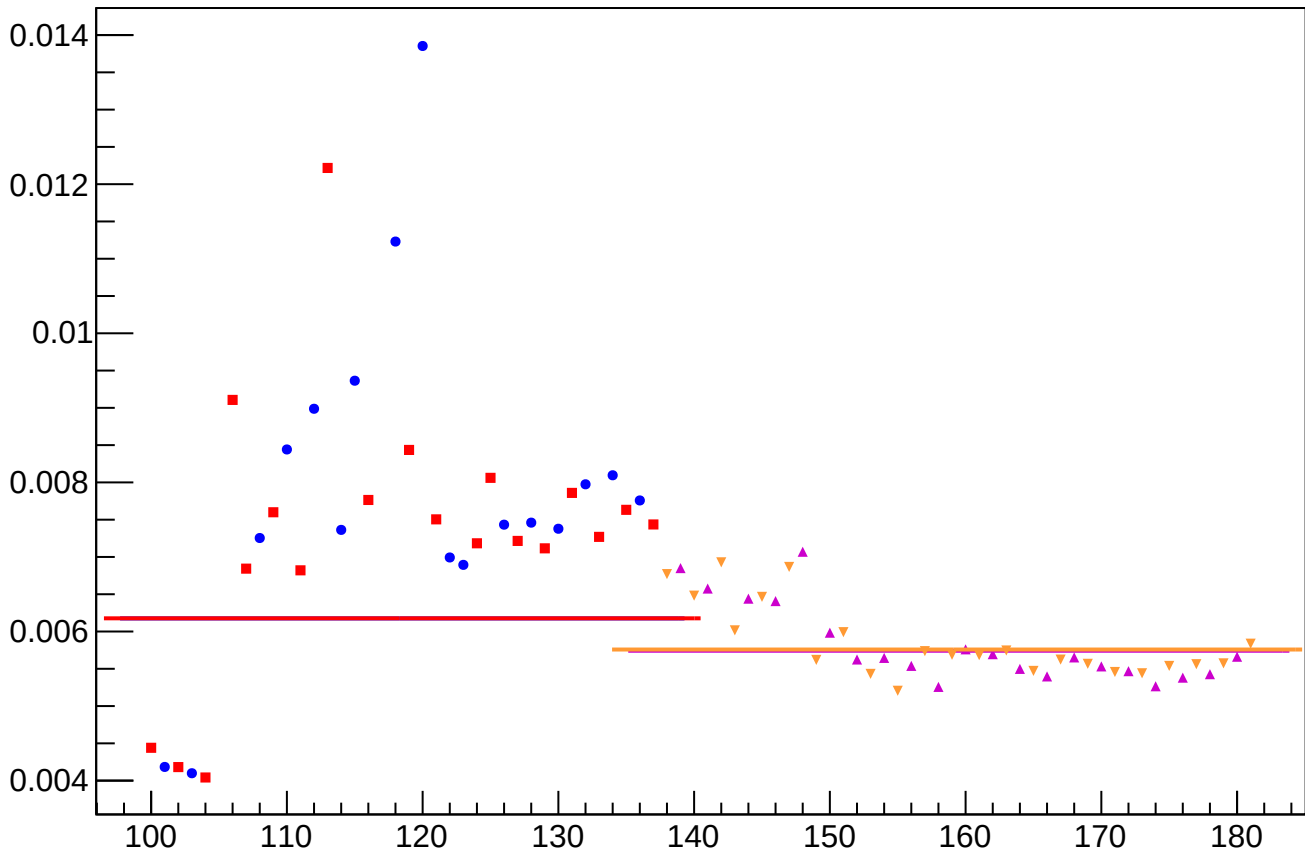
- sign 0.005+/-0.000 χ^2/NDF : 3400141.8/39

yield_bpm0l05X_mean vs Slug



Right In: 0.829+/-0.000	χ^2/NDF : 31663410264.3/16	+ sign 0.100+/-0.000	χ^2/NDF : 615060819040.2/39
Left Out: -0.107+/-0.000	χ^2/NDF : 488437287989.3/22	All: 0.137+/-0.000	χ^2/NDF : 1150654798713.
Right Out: 0.831+/-0.000	χ^2/NDF : 33383369168.0/18	- sign 0.174+/-0.000	χ^2/NDF : 533876159720.4/39
Left In: -0.041+/-0.000	χ^2/NDF : 413401664651.7/20		

yield_bpm0l05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1221890.6/16

Left Out: 0.006+/-0.000 χ^2/NDF : 173222.0/22

Right Out: 0.006+/-0.000 χ^2/NDF : 1020690.2/18

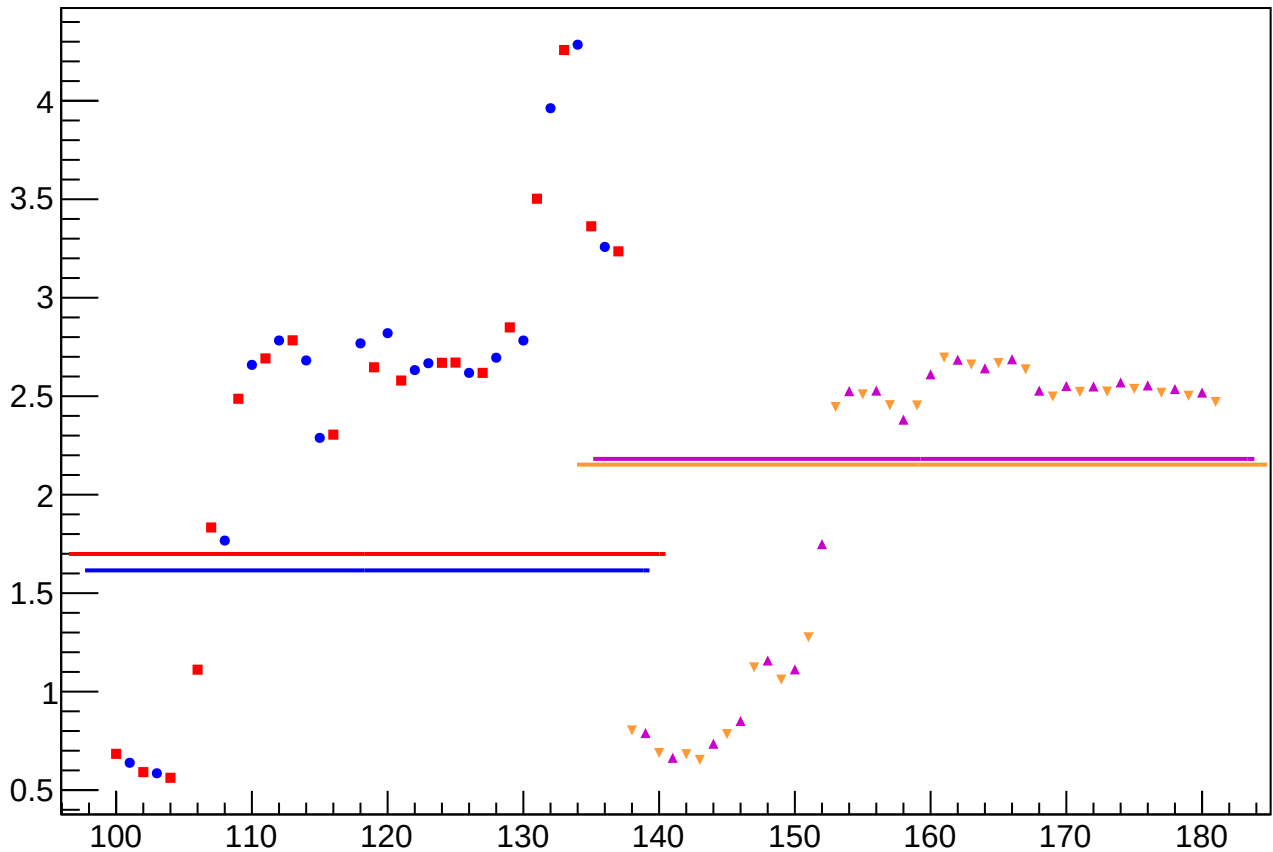
Left In: 0.006+/-0.000 χ^2/NDF : 201342.5/20

+ sign 0.006+/-0.000 χ^2/NDF : 1432790.7/39

All: 0.006+/-0.000 χ^2/NDF : 2698159.2/79

- sign 0.006+/-0.000 χ^2/NDF : 1265367.0/39

yield_bpm0l05Y_mean vs Slug



Right In: 1.616+/-0.000 χ^2/NDF : 202687681737.9/16

Left Out: 2.153+/-0.000 χ^2/NDF : 284002130205.8/22

Right Out: 1.699+/-0.000 χ^2/NDF : 227853059871.9/18

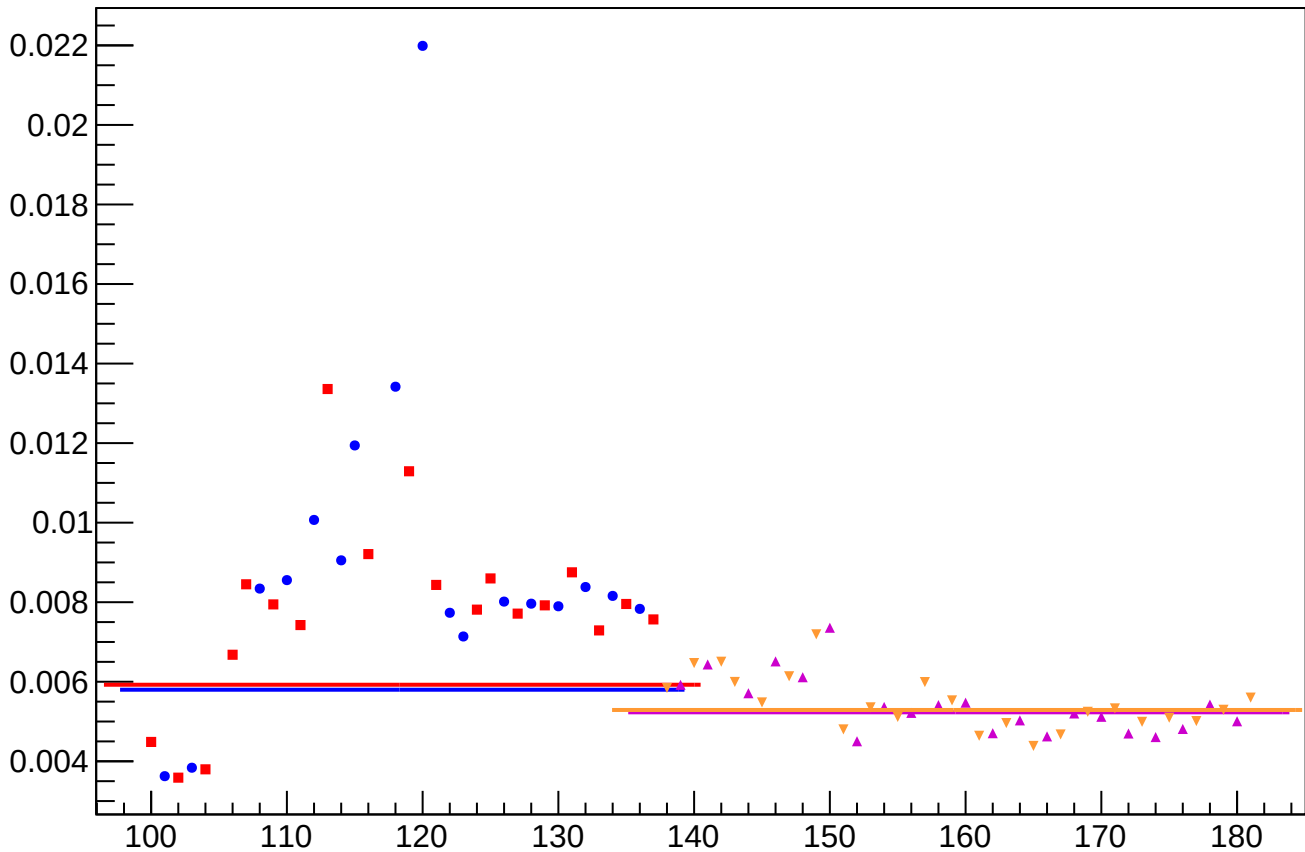
Left In: 2.182+/-0.000 χ^2/NDF : 249918354382.8/20

+ sign 2.044+/-0.000 χ^2/NDF : 519567252307.1/39

All: 2.060+/-0.000 χ^2/NDF : 1025422421106.

- sign 2.076+/-0.000 χ^2/NDF : 505488808768.7/39

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1911401.2/16

Left Out: 0.005+/-0.000 χ^2/NDF : 379651.2/22

Right Out: 0.006+/-0.000 χ^2/NDF : 1677224.2/18

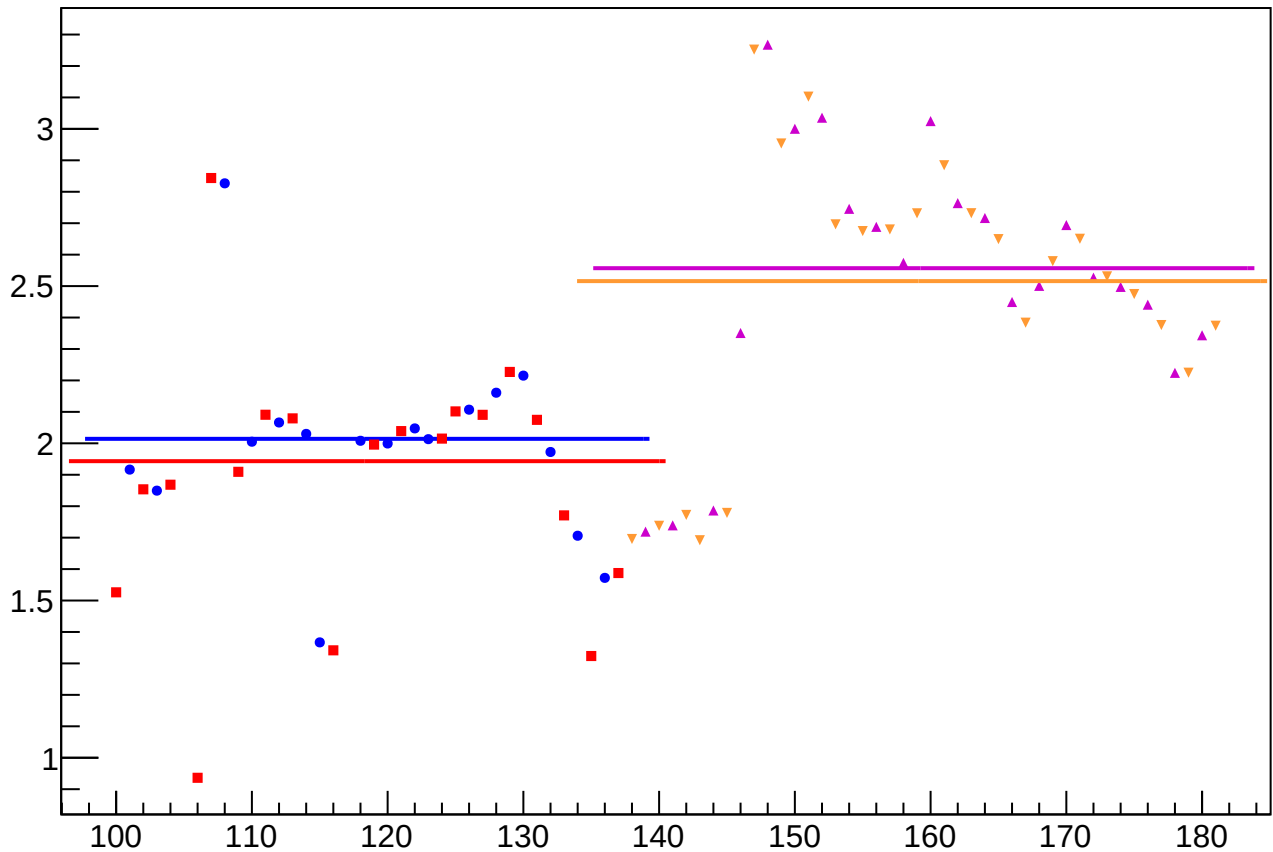
Left In: 0.005+/-0.000 χ^2/NDF : 421671.6/20

+ sign 0.005+/-0.000 χ^2/NDF : 2350155.9/39

All: 0.005+/-0.000 χ^2/NDF : 4563483.8/79

- sign 0.005+/-0.000 χ^2/NDF : 2213251.7/39

yield_bpm0l06X_mean vs Slug



Right In: 2.014 $\pm$ 0.000 χ^2 /NDF: 12207088036.2/16

Left Out: 2.516 $\pm$ 0.000 χ^2 /NDF: 51207146964.4/22

Right Out: 1.943 $\pm$ 0.000 χ^2 /NDF: 21416554404.5/18

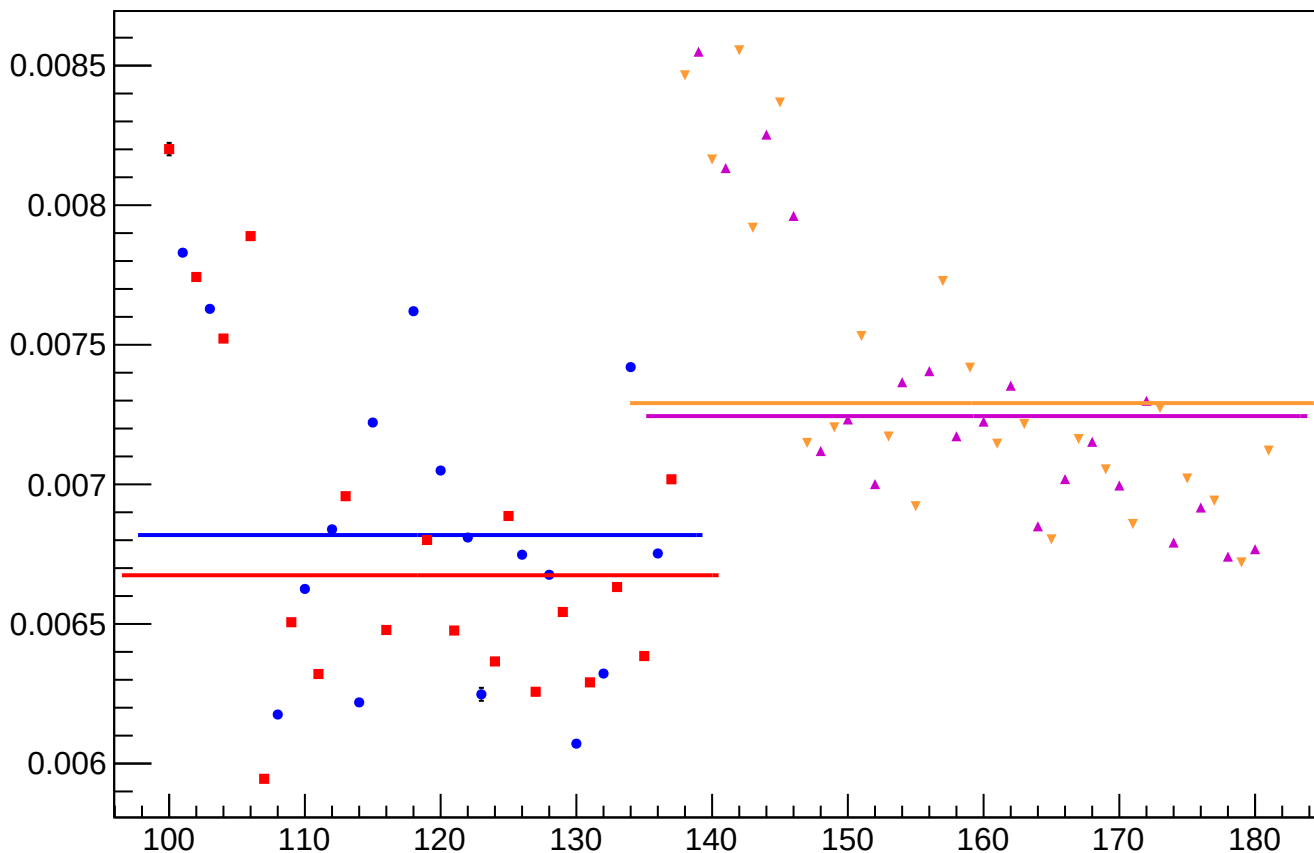
Left In: 2.557 $\pm$ 0.000 χ^2 /NDF: 44919075163.0/20

+ sign 2.363 $\pm$ 0.000 χ^2 /NDF: 87252659527.4/39

All: 2.356 $\pm$ 0.000 χ^2 /NDF: 191507621286.9

- sign 2.350 $\pm$ 0.000 χ^2 /NDF: 104216423705.1/39

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 76886.5/16

Left Out: 0.007+/-0.000 χ^2/NDF :137810.2/22

Right Out: 0.007+/-0.000 χ^2/NDF : 76755.5/18

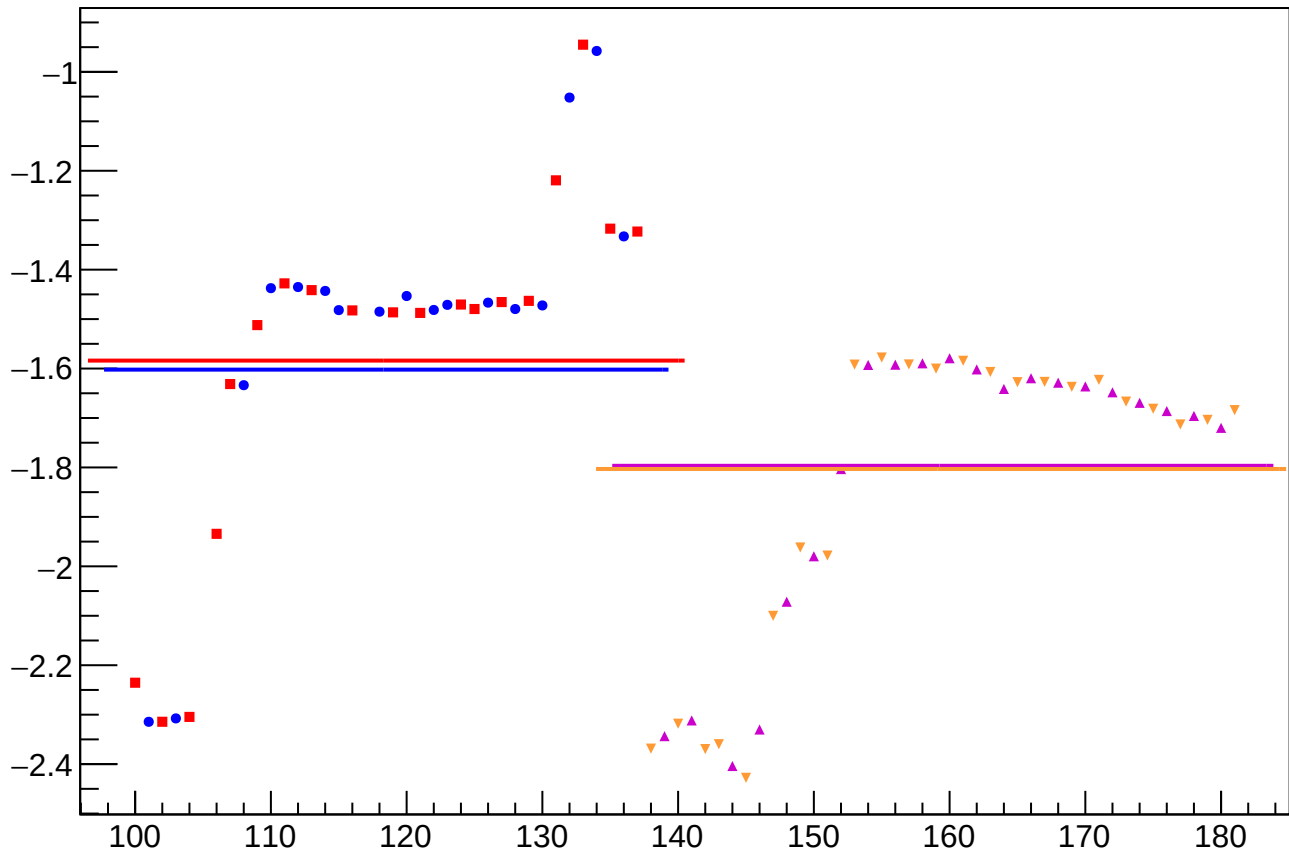
Left In: 0.007+/-0.000 χ^2/NDF :124684.3/20

+ sign 0.007+/-0.000 χ^2/NDF : 257019.1/39

All: 0.007+/-0.000 χ^2/NDF : 527856.5/79

- sign 0.007+/-0.000 χ^2/NDF : 266801.7/39

yield_bpm0l06Y_mean vs Slug



Right In: -1.602+/-0.000 χ^2/NDF : 140170767010.0/16

Left Out: -1.803+/-0.000 χ^2/NDF : 179248367781.1/22

Right Out: -1.584+/-0.000 χ^2/NDF : 143827090276.5/18

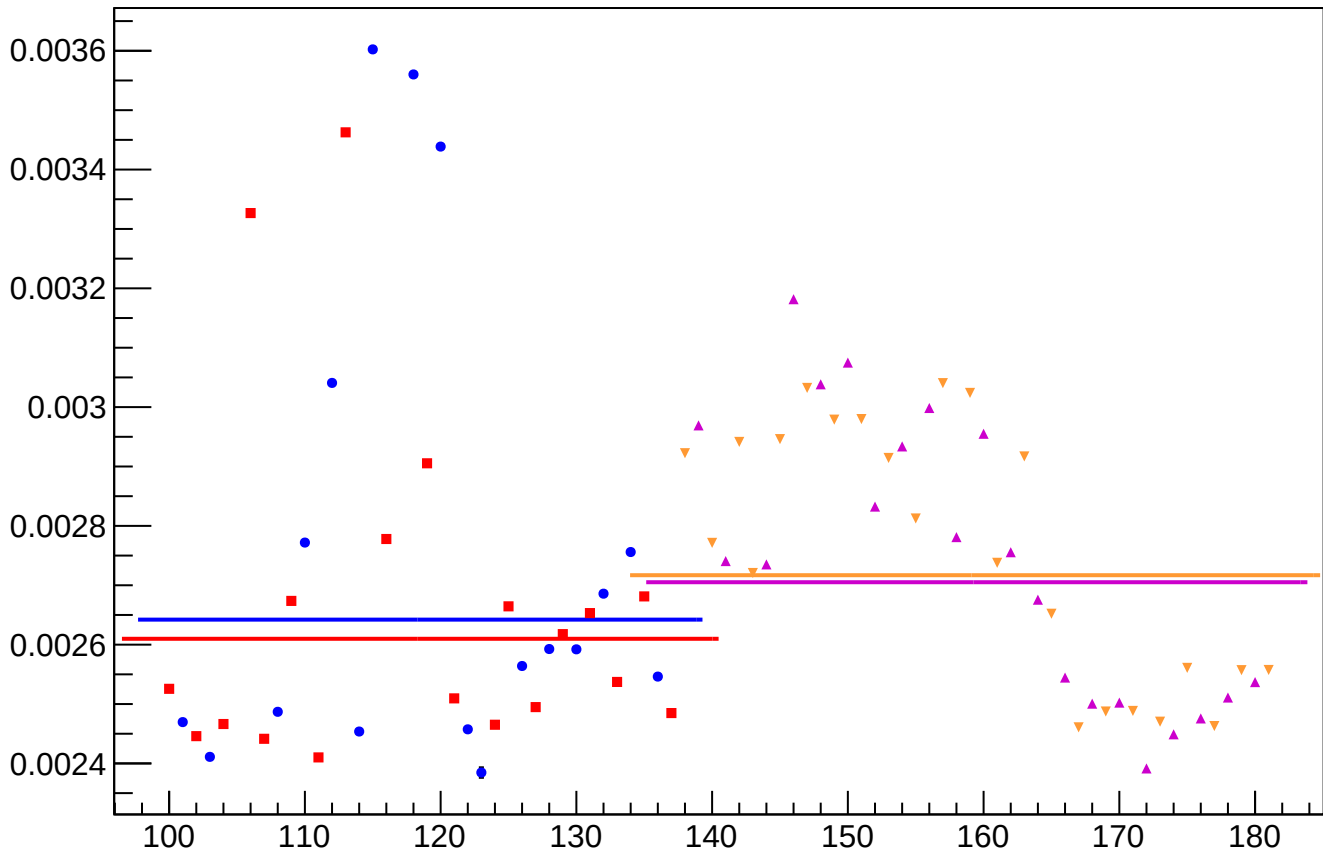
Left In: -1.797+/-0.000 χ^2/NDF : 158095070334.8/20

+ sign -1.746+/-0.000 χ^2/NDF : 345262503883.9/39

All: -1.738+/-0.000 χ^2/NDF : 677936141268.1

- sign -1.730+/-0.000 χ^2/NDF : 332284086992.1/39

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 151919.2/16

Left Out: 0.003+/-0.000 χ^2/NDF :199473.8/22

Right Out: 0.003+/-0.000 χ^2/NDF : 104781.3/18

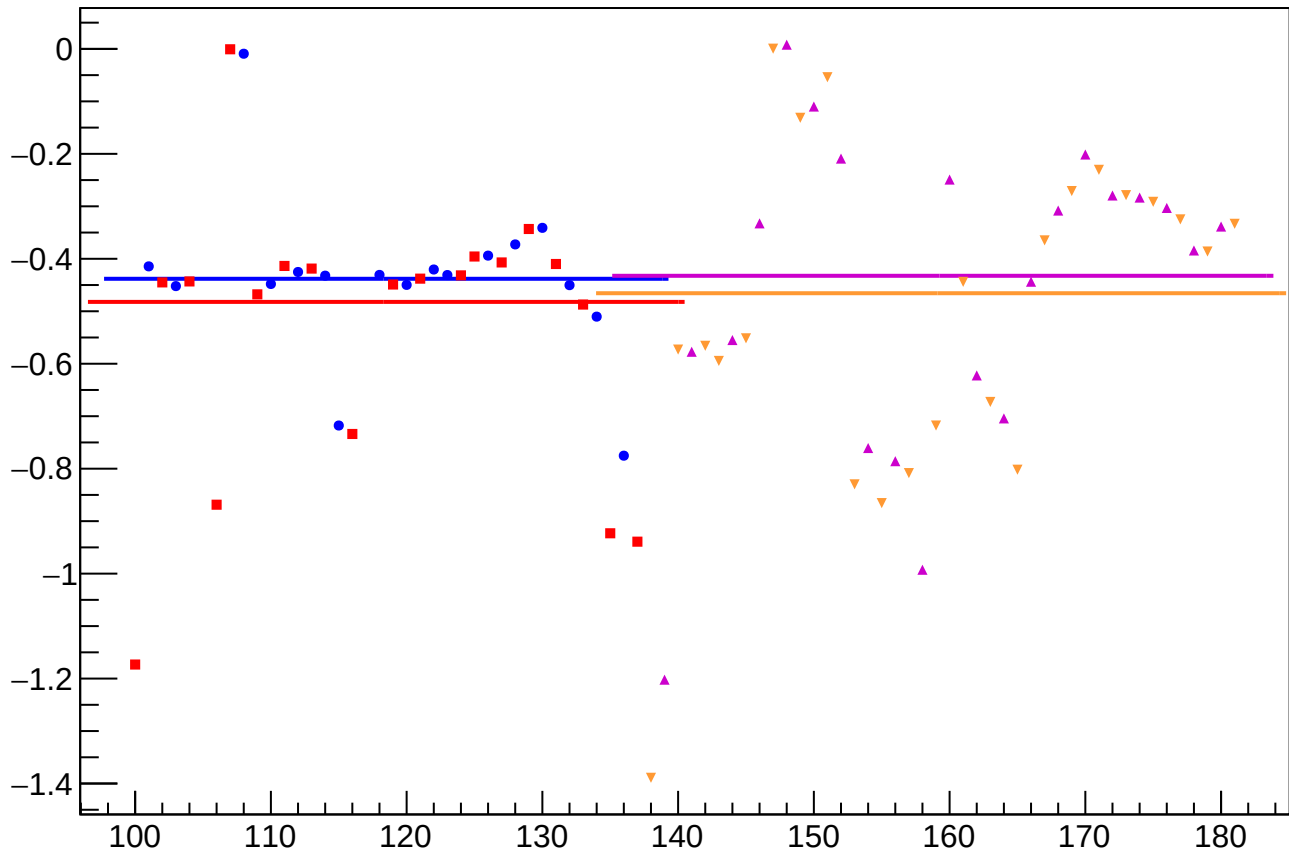
Left In: 0.003+/-0.000 χ^2/NDF :218989.3/20

+ sign 0.003+/-0.000 χ^2/NDF : 358557.6/39

All: 0.003+/-0.000 χ^2/NDF : 695787.4/79

- sign 0.003+/-0.000 χ^2/NDF : 335934.6/39

yield_bpm0l07X_mean vs Slug



Right In: -0.438 ± 0.000 $\chi^2/\text{NDF}: 1461198978.4/16$

Left Out: -0.466 ± 0.000 $\chi^2/\text{NDF}: 9768533350.7/22$

Right Out: -0.482 ± 0.000 $\chi^2/\text{NDF}: 2693383941.7/18$

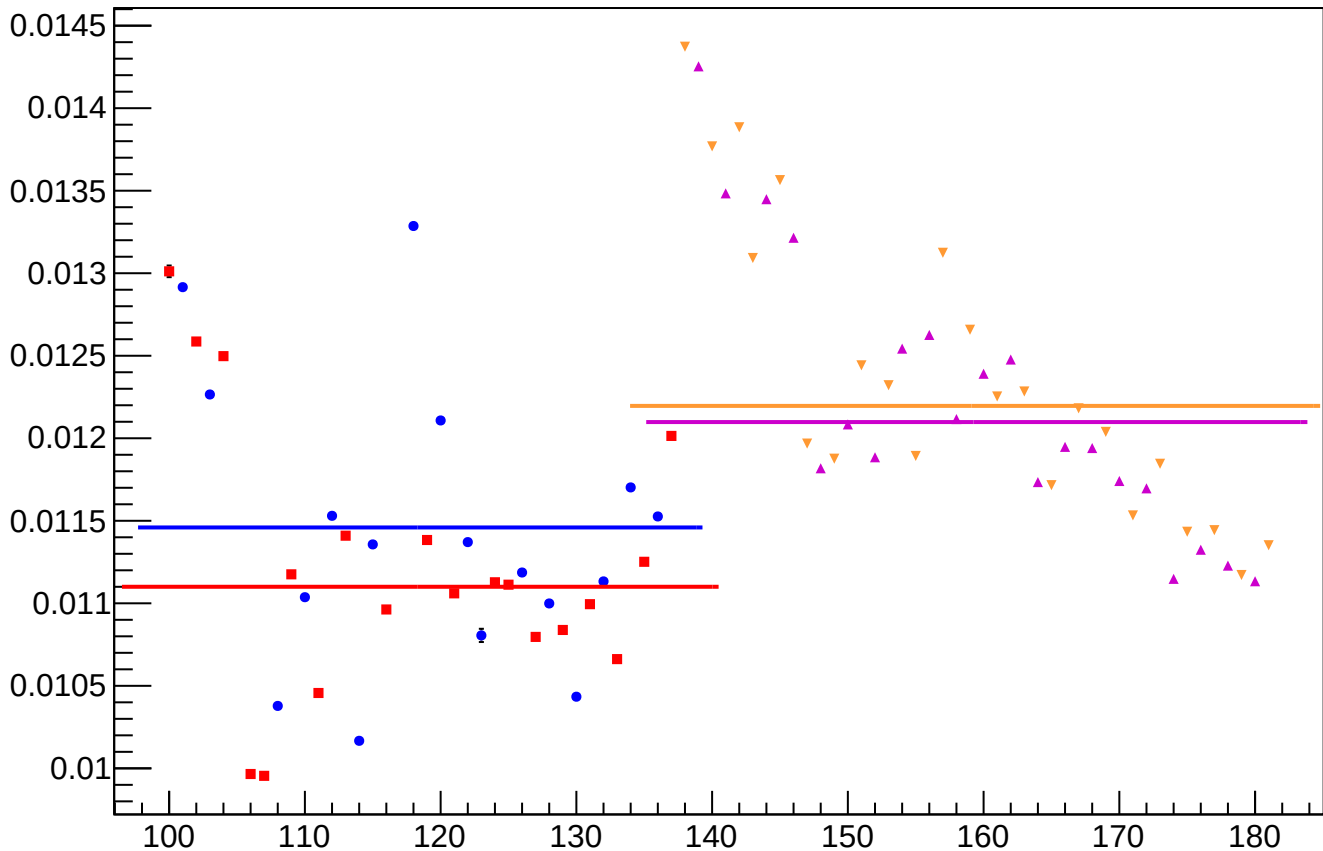
Left In: -0.432 ± 0.000 $\chi^2/\text{NDF}: 8347605597.1/20$

+ sign -0.457 ± 0.000 $\chi^2/\text{NDF}: 11255545414.4/39$

All: -0.453 ± 0.000 $\chi^2/\text{NDF}: 22392355689.2/40$

- sign -0.450 ± 0.000 $\chi^2/\text{NDF}: 11132027113.6/39$

yield_bpm0l07X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 64588.0/16

Left Out: 0.012+/-0.000 χ^2/NDF :139083.0/22

Right Out: 0.011+/-0.000 χ^2/NDF : 56096.3/18

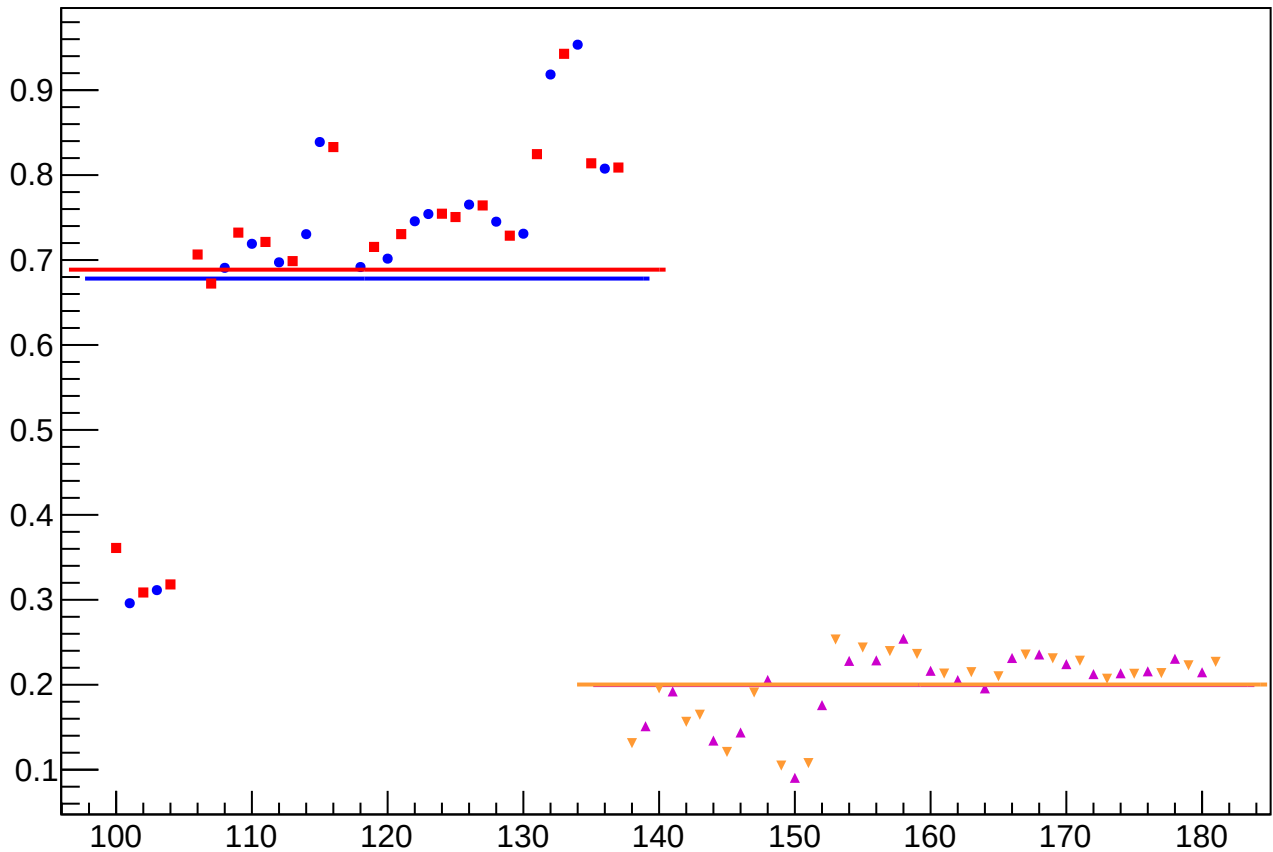
Left In: 0.012+/-0.000 χ^2/NDF :126275.7/20

+ sign 0.012+/-0.000 χ^2/NDF : 240684.5/39

All: 0.012+/-0.000 χ^2/NDF : 503949.8/79

- sign 0.012+/-0.000 χ^2/NDF : 255666.2/39

yield_bpm0l07Y_mean vs Slug



Right In: 0.678 $\pm$ 0.000 χ^2 /NDF: 38485337866.0/16

Left Out: 0.200 $\pm$ 0.000 χ^2 /NDF: 6923023475.3/22

+ sign 0.301 $\pm$ 0.000 χ^2 /NDF: 227455854231.2/39

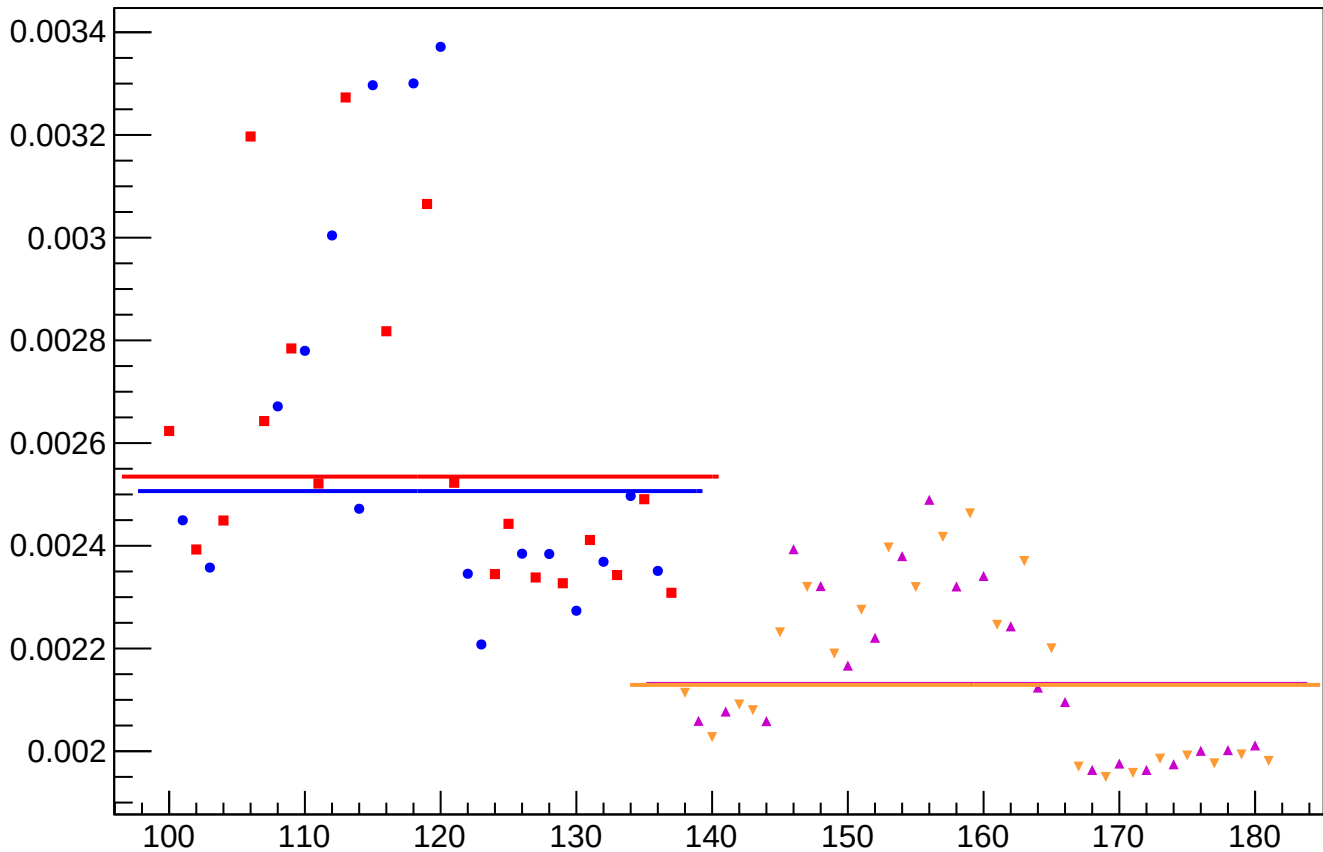
Right Out: 0.689 $\pm$ 0.000 χ^2 /NDF: 35296354242.4/18

All: 0.306 $\pm$ 0.000 χ^2 /NDF: 460747340854.0

Left In: 0.200 $\pm$ 0.000 χ^2 /NDF: 5562159440.8/20

- sign 0.311 $\pm$ 0.000 χ^2 /NDF: 233081671378.9/39

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 174398.1/16

Left Out: 0.002+/-0.000 χ^2/NDF :205733.5/22

Right Out: 0.003+/-0.000 χ^2/NDF : 131675.7/18

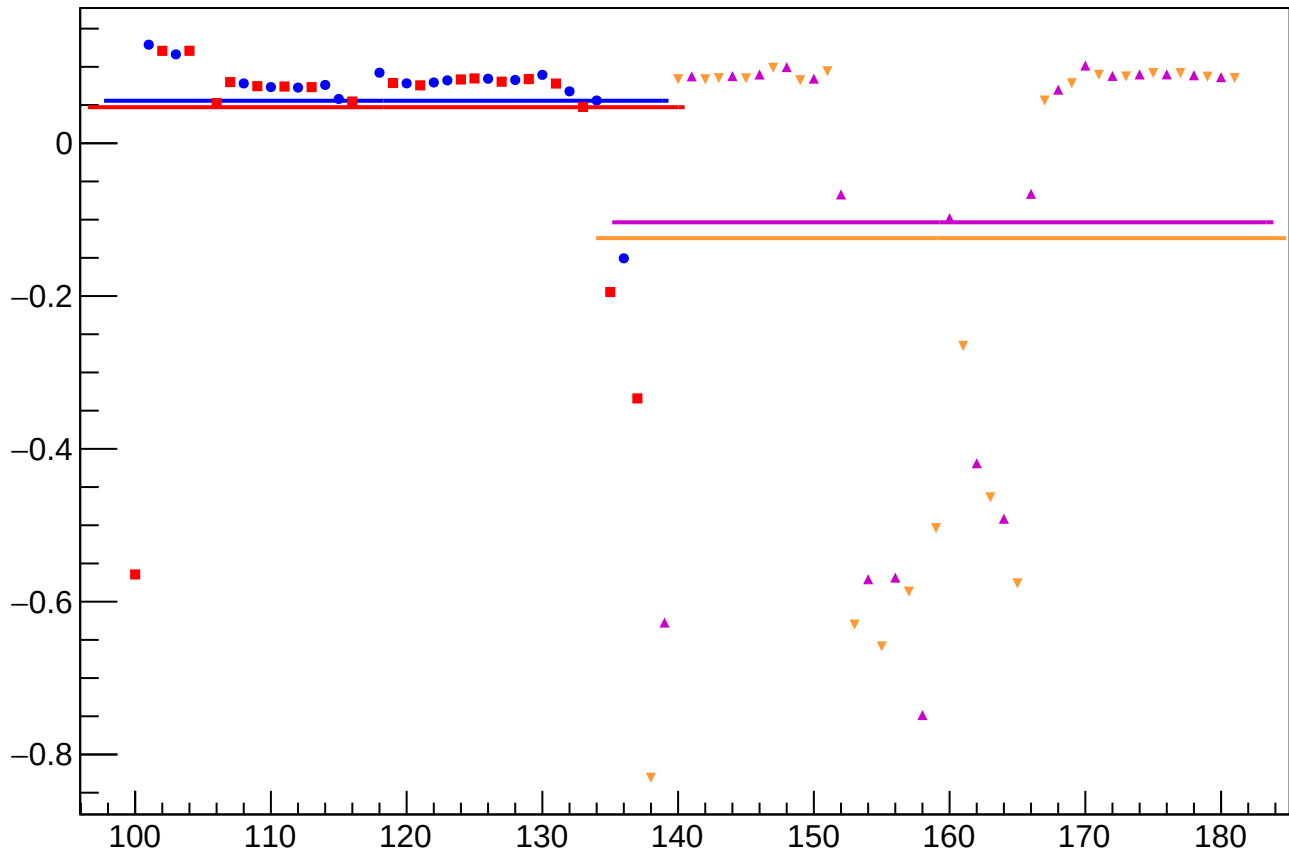
Left In: 0.002+/-0.000 χ^2/NDF :176346.4/20

+ sign 0.002+/-0.000 χ^2/NDF : 607165.4/39

All: 0.002+/-0.000 χ^2/NDF : 1178003.6/79

- sign 0.002+/-0.000 χ^2/NDF : 569939.1/39

yield_bpm0l08X_mean vs Slug



Right In: 0.056+/-0.000 χ^2/NDF : 422754930.4/16

Left Out: -0.124+/-0.000 χ^2/NDF : 13336413104.4/22

Right Out: 0.047+/-0.000 χ^2/NDF : 819330612.8/18

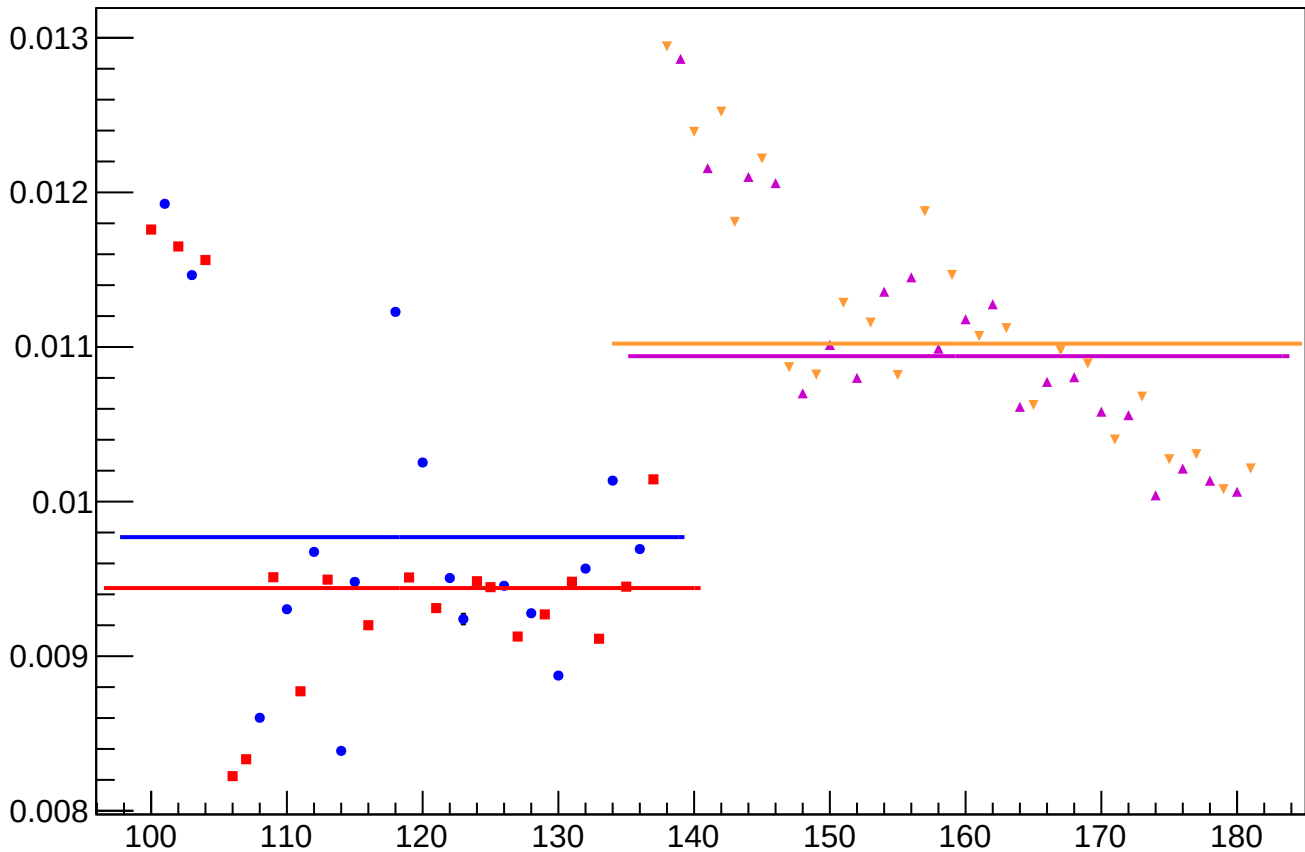
Left In: -0.103+/-0.000 χ^2/NDF : 10787736363.9/20

+ sign -0.065+/-0.000 χ^2/NDF : 15216543023.1/39

All: -0.056+/-0.000 χ^2/NDF : 27955931219.2/42

- sign -0.048+/-0.000 χ^2/NDF : 12707947485.7/39

yield_bpm0l08X_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 116013.9/16

Left Out: 0.011+/-0.000 χ^2/NDF : 138991.1/22

Right Out: 0.009+/-0.000 χ^2/NDF : 110651.6/18

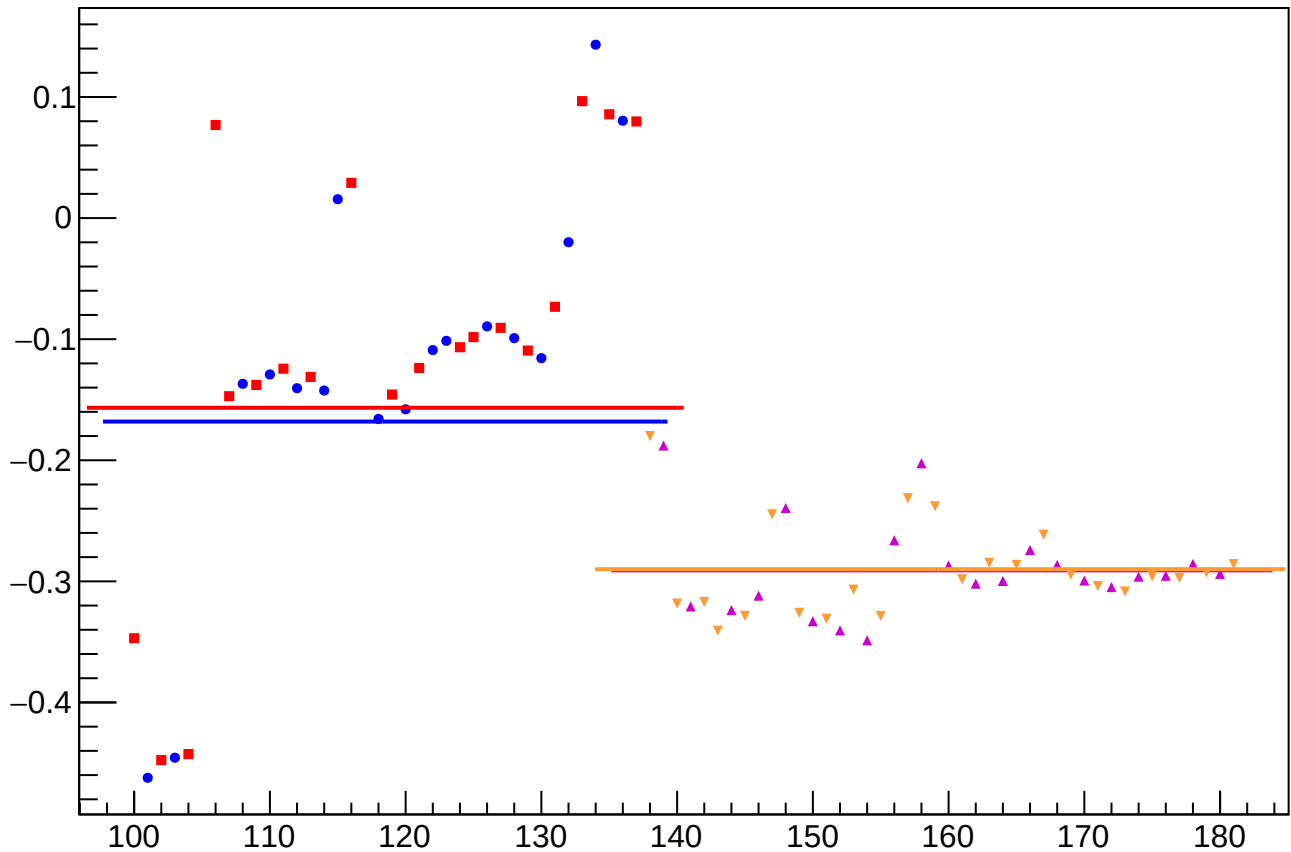
Left In: 0.011+/-0.000 χ^2/NDF : 128450.5/20

+ sign 0.011+/-0.000 χ^2/NDF : 396214.8/39

All: 0.010+/-0.000 χ^2/NDF : 864198.6/79

- sign 0.010+/-0.000 χ^2/NDF : 457457.1/39

yield_bpm0l08Y_mean vs Slug



Right In: -0.168+/-0.000 χ^2/NDF : 12330177160.8/16

Left Out: -0.290+/-0.000 χ^2/NDF : 2859318767.3/22

Right Out: -0.157+/-0.000 χ^2/NDF : 11031837915.5/18

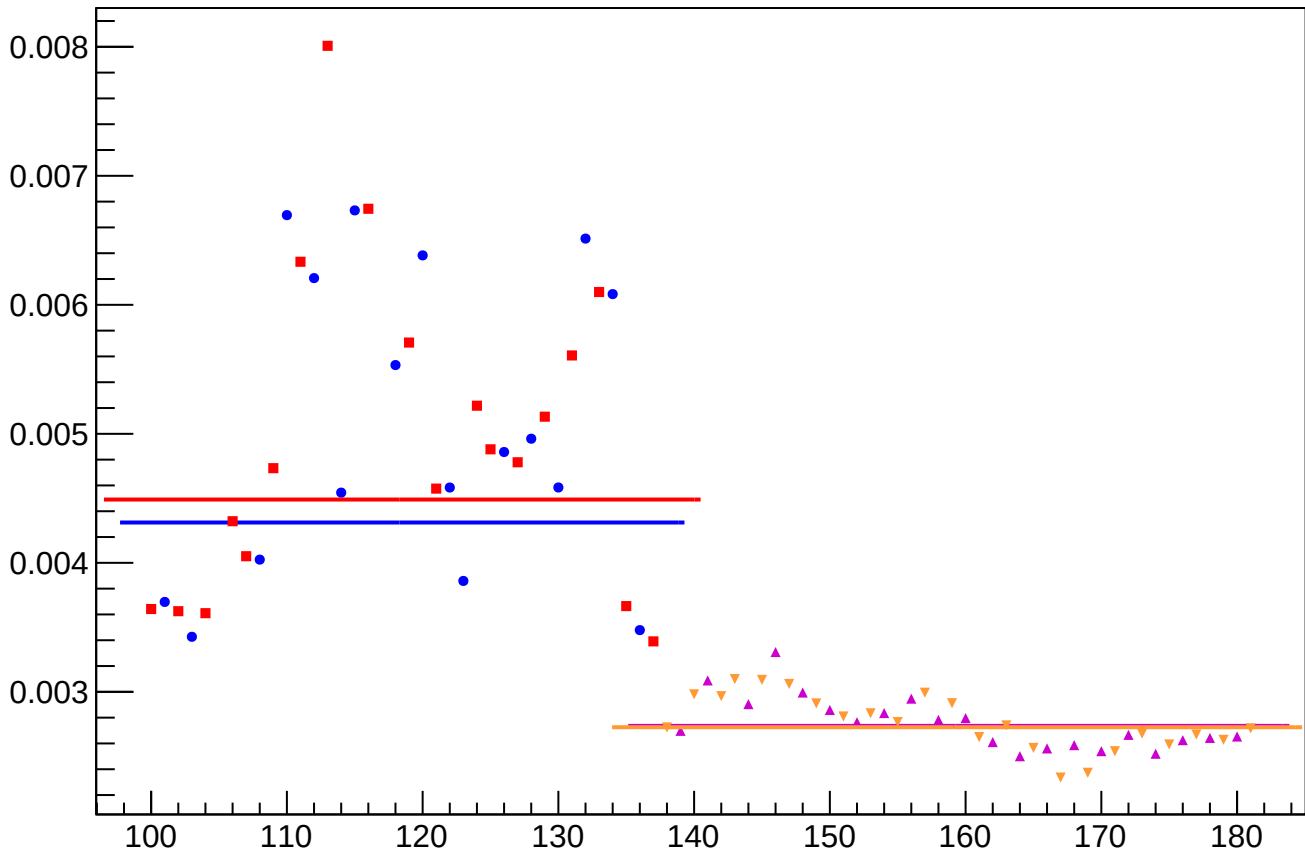
Left In: -0.291+/-0.000 χ^2/NDF : 3123970607.7/20

+ sign -0.275+/-0.000 χ^2/NDF : 19247954713.8/39

All: -0.274+/-0.000 χ^2/NDF : 38241512813.3/39

- sign -0.274+/-0.000 χ^2/NDF : 18991057433.4/39

yield_bpm0l08Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 618348.9/16

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:198826.5/22

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 639258.5/18

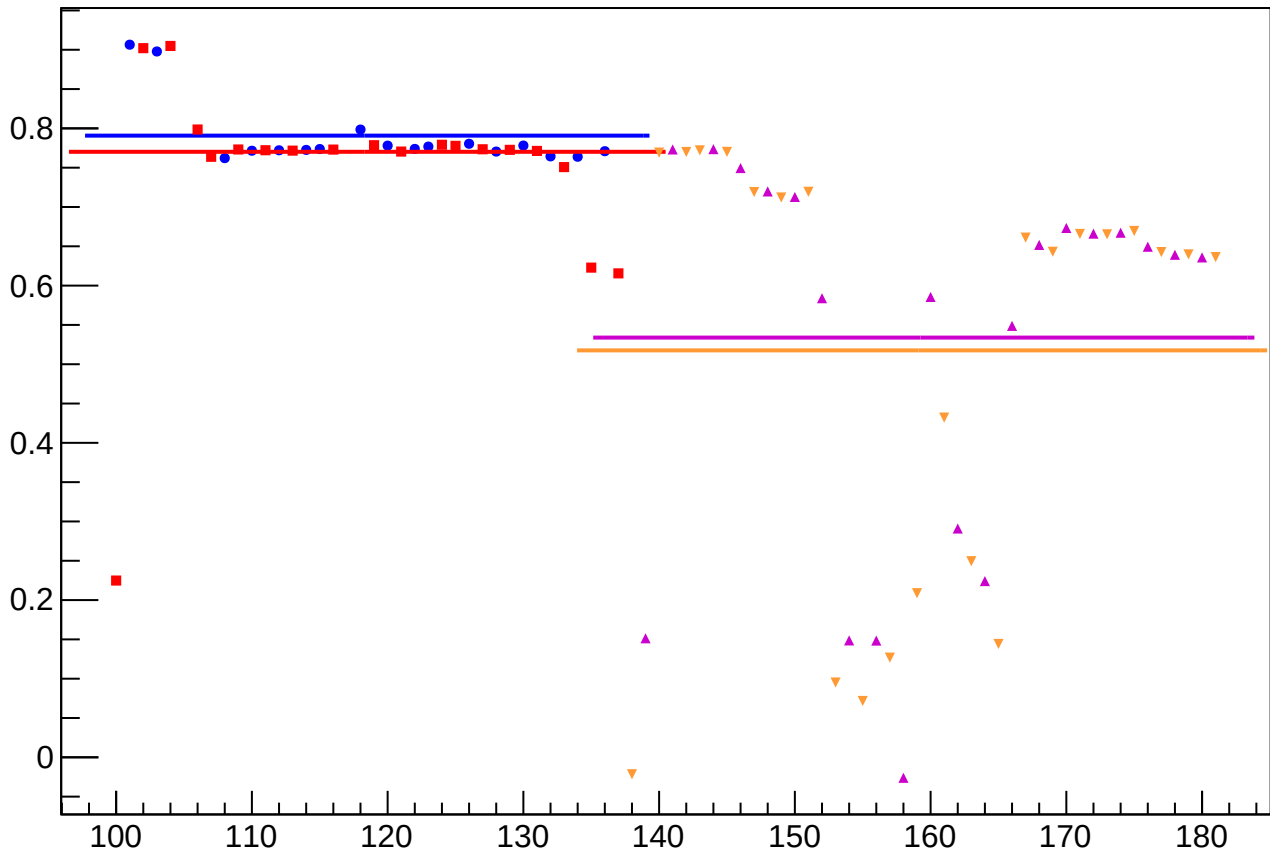
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:144703.8/20

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2193050.5/39

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 4632802.4/79

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2435236.1/39

yield_bpm0l09X_mean vs Slug



Right In: 0.791 $\pm$ 0.000 χ^2 /NDF: 106680493.2/16

Left Out: 0.518 $\pm$ 0.000 χ^2 /NDF: 9480653183.0/22

Right Out: 0.770 $\pm$ 0.000 χ^2 /NDF: 375430167.7/18

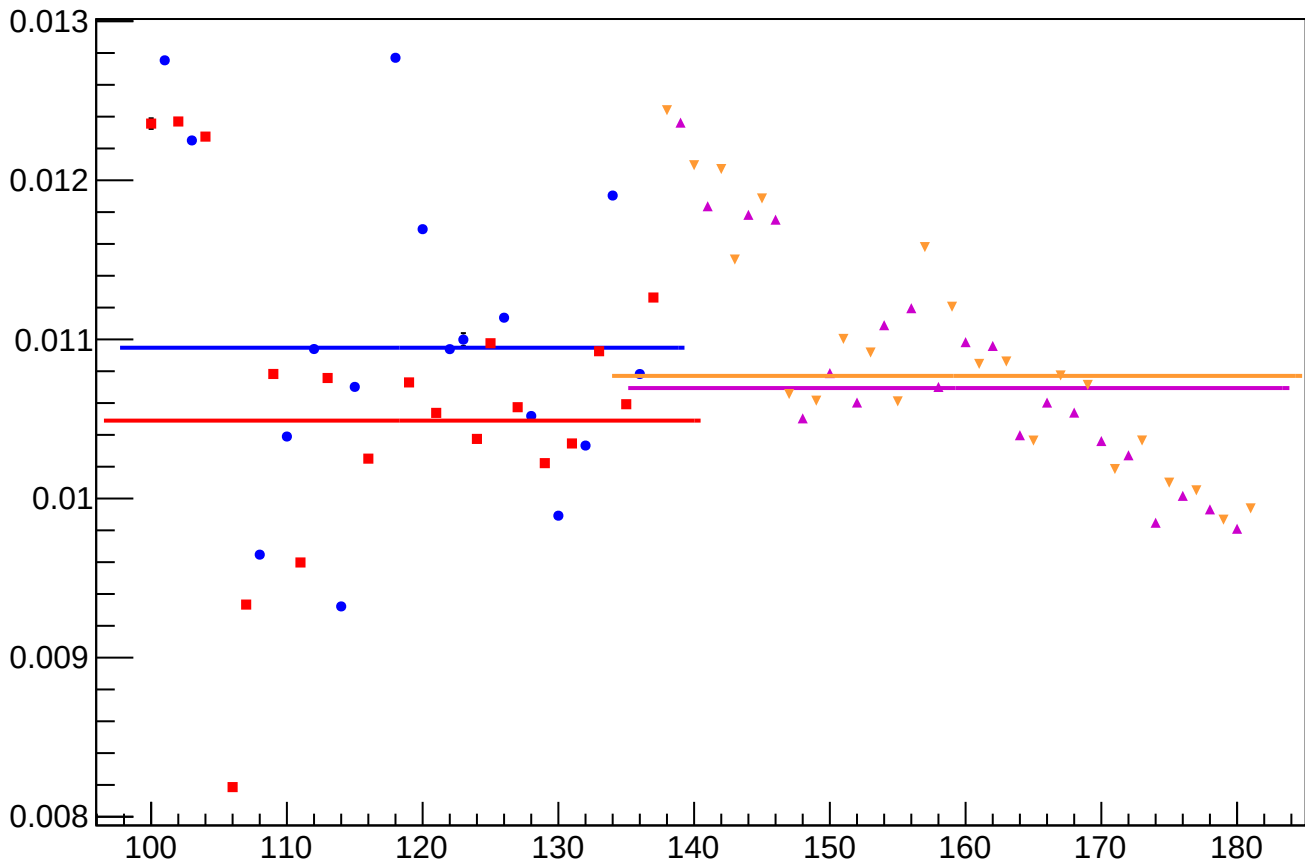
Left In: 0.534 $\pm$ 0.000 χ^2 /NDF: 7781930970.5/20

+ sign 0.592 $\pm$ 0.000 χ^2 /NDF: 12502166882.0/39

All: 0.600 $\pm$ 0.000 χ^2 /NDF: 23085132730.9/7

- sign 0.608 $\pm$ 0.000 χ^2 /NDF: 10557096563.3/39

yield_bpm0l09X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 98019.2/16

Left Out: 0.011+/-0.000 χ^2/NDF : 129291.7/22

Right Out: 0.010+/-0.000 χ^2/NDF : 119502.0/18

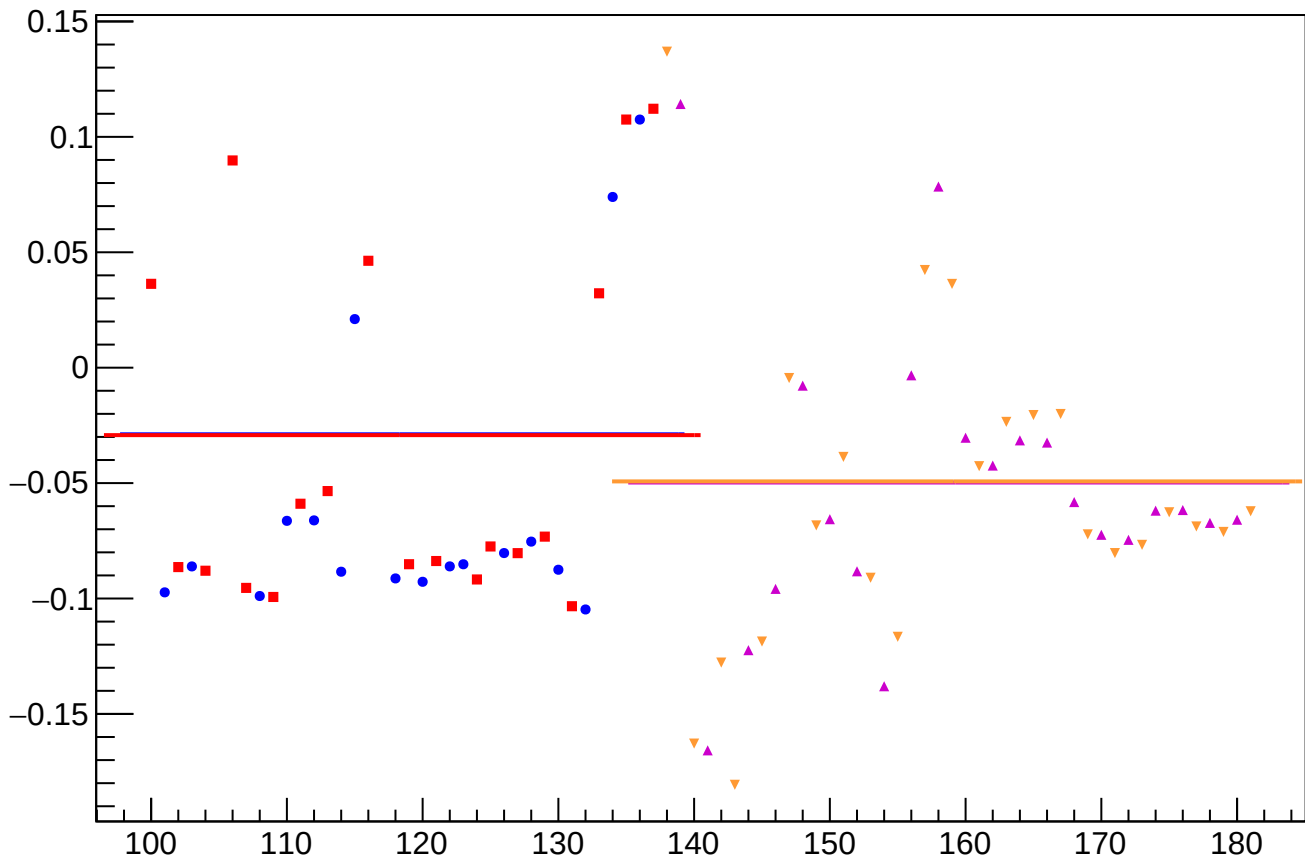
Left In: 0.011+/-0.000 χ^2/NDF : 118878.0/20

+ sign 0.011+/-0.000 χ^2/NDF : 229759.5/39

All: 0.011+/-0.000 χ^2/NDF : 478790.5/79

- sign 0.011+/-0.000 χ^2/NDF : 241976.4/39

yield_bpm0l09Y_mean vs Slug



Right In: -0.029+/-0.000 χ^2/NDF : 2444911330.9/16

Left Out: -0.049+/-0.000 χ^2/NDF : 7186973240.0/22

Right Out: -0.029+/-0.000 χ^2/NDF : 2120368017.0/18

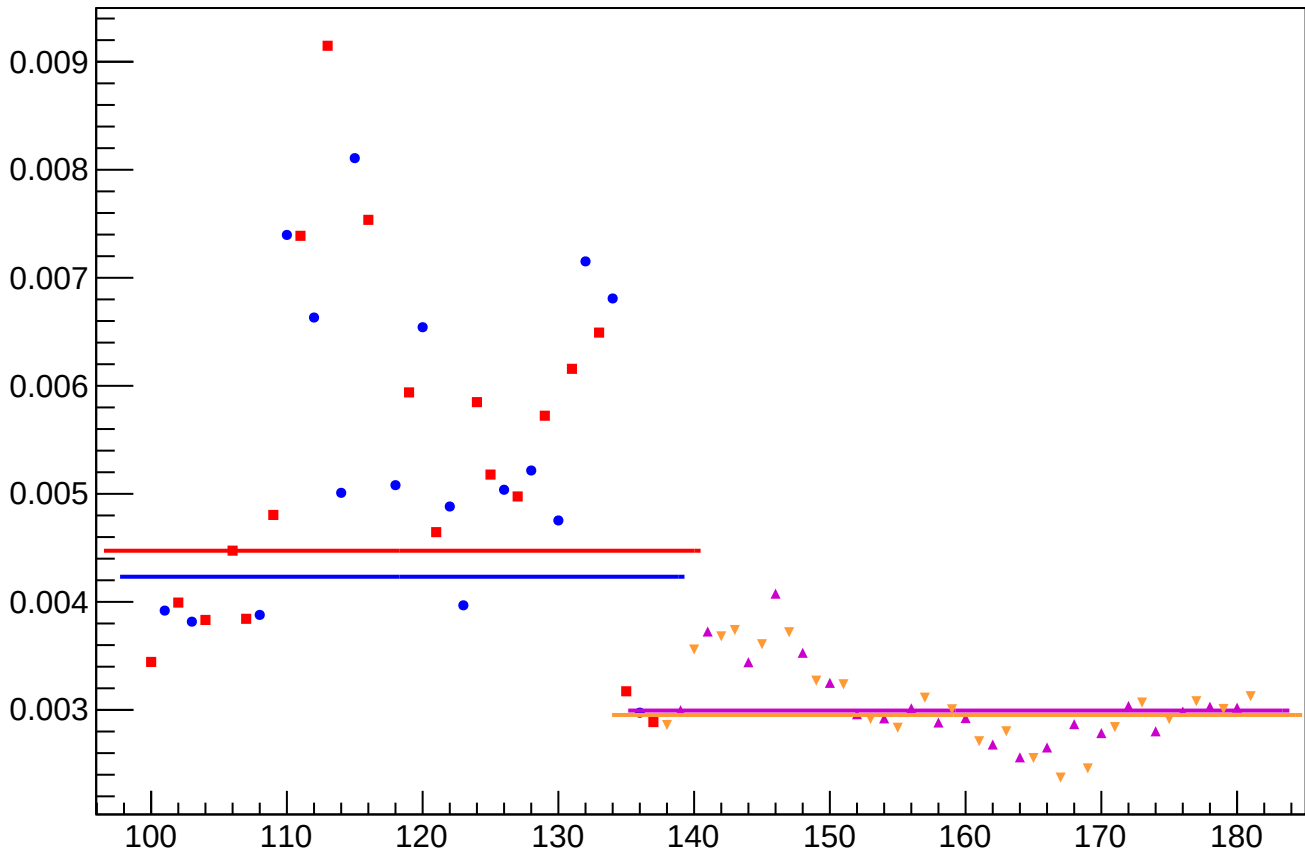
Left In: -0.050+/-0.000 χ^2/NDF : 6102687795.2/20

+ sign -0.046+/-0.000 χ^2/NDF : 9740669001.7/39

All: -0.047+/-0.000 χ^2/NDF : 18068644750.7/71

- sign -0.047+/-0.000 χ^2/NDF : 8327857615.0/39

yield_bpm0l09Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 877339.5/16

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:472927.7/22

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 969342.1/18

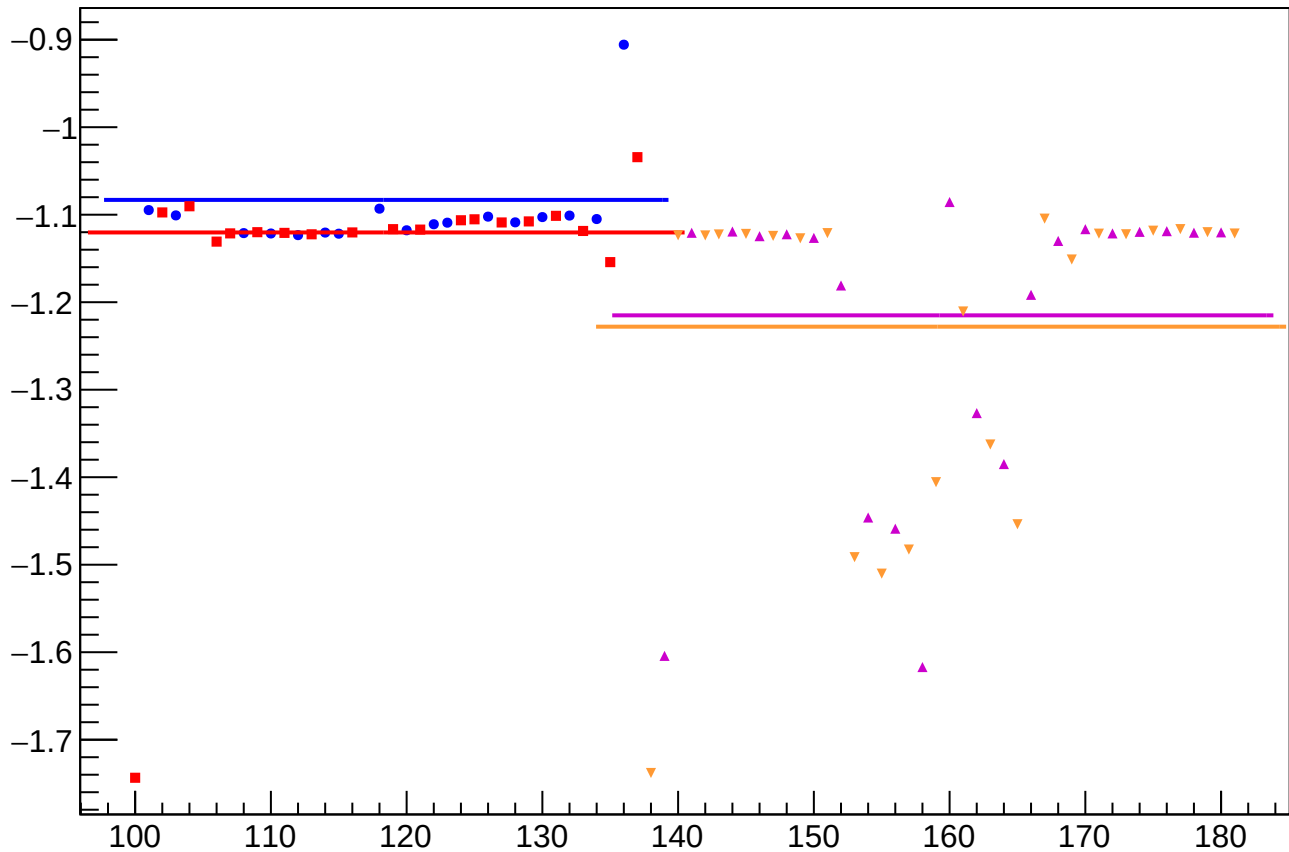
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:316460.2/20

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2205928.9/39

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 4593580.1/79

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2375237.6/39

yield_bpm0l10X_mean vs Slug



Right In: -1.083+/-0.000 χ^2 /NDF: 202851874.4/16

Left Out: -1.228+/-0.000 χ^2 /NDF: 5167539395.6/22

Right Out: -1.120+/-0.000 χ^2 /NDF: 220508408.4/18

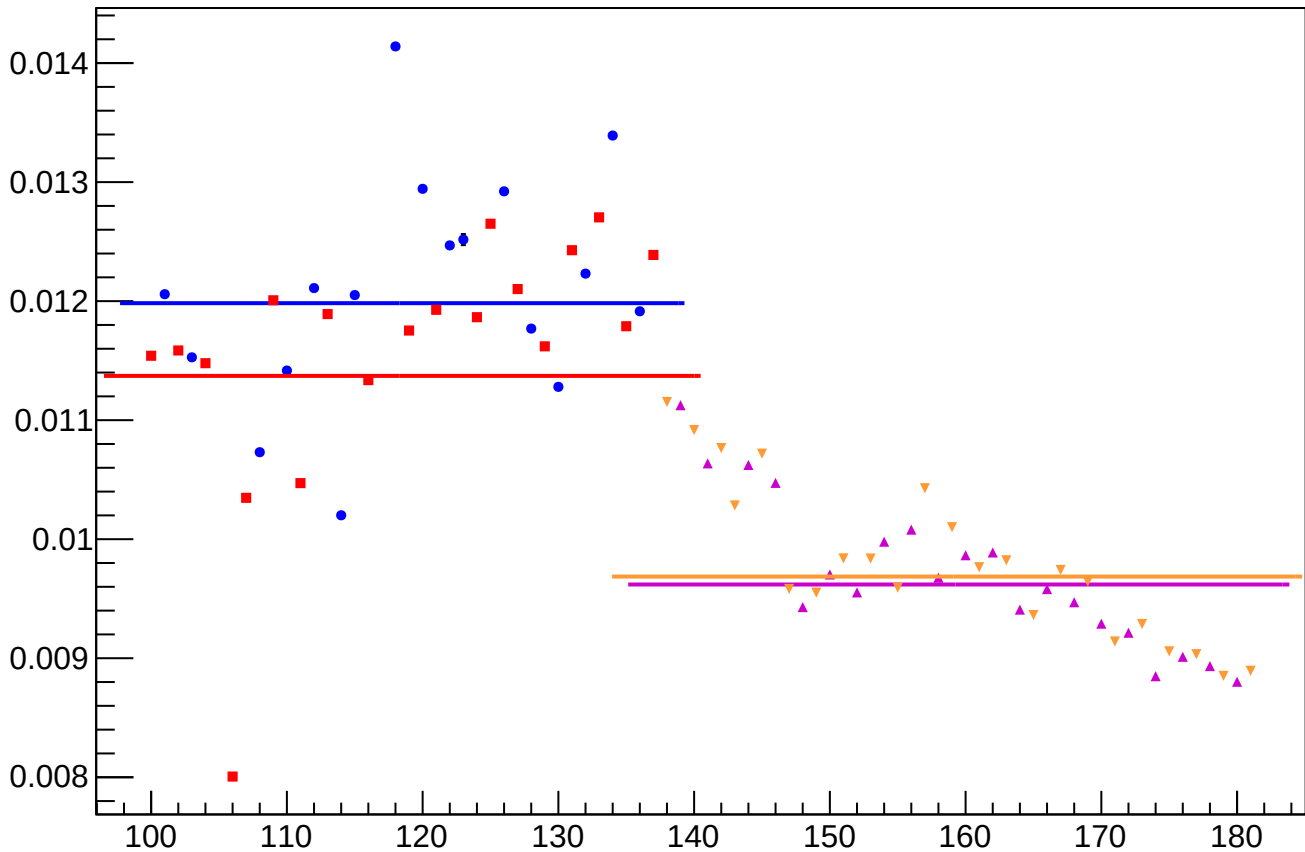
Left In: -1.215+/-0.000 χ^2 /NDF: 4419215663.5/20

+ sign -1.199+/-0.000 χ^2 /NDF: 6120954862.3/39

All: -1.196+/-0.000 χ^2 /NDF: 11127001210.6/40

- sign -1.193+/-0.000 χ^2 /NDF: 5001478935.2/39

yield_bpm0l10X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 58835.2/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:132609.6/22

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 152861.8/18

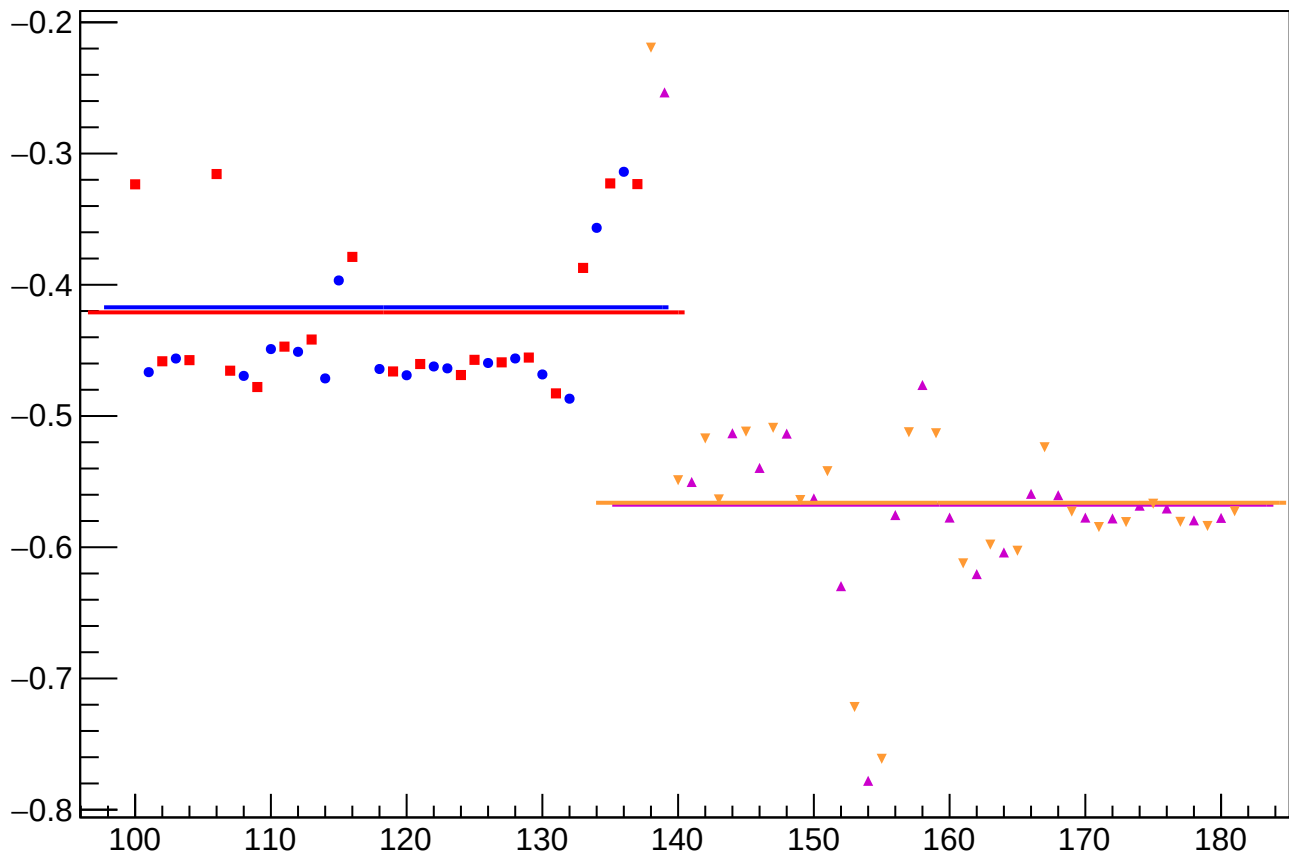
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:119637.2/20

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 568683.9/39

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 1091579.3/79

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 520122.5/39

yield_bpm0l10Y_mean vs Slug



Right In: -0.417+/-0.000 χ^2/NDF : 2038520950.9/16

Left Out: -0.566+/-0.000 χ^2/NDF : 13358156513.0/22

Right Out: -0.421+/-0.000 χ^2/NDF : 1654624022.3/18

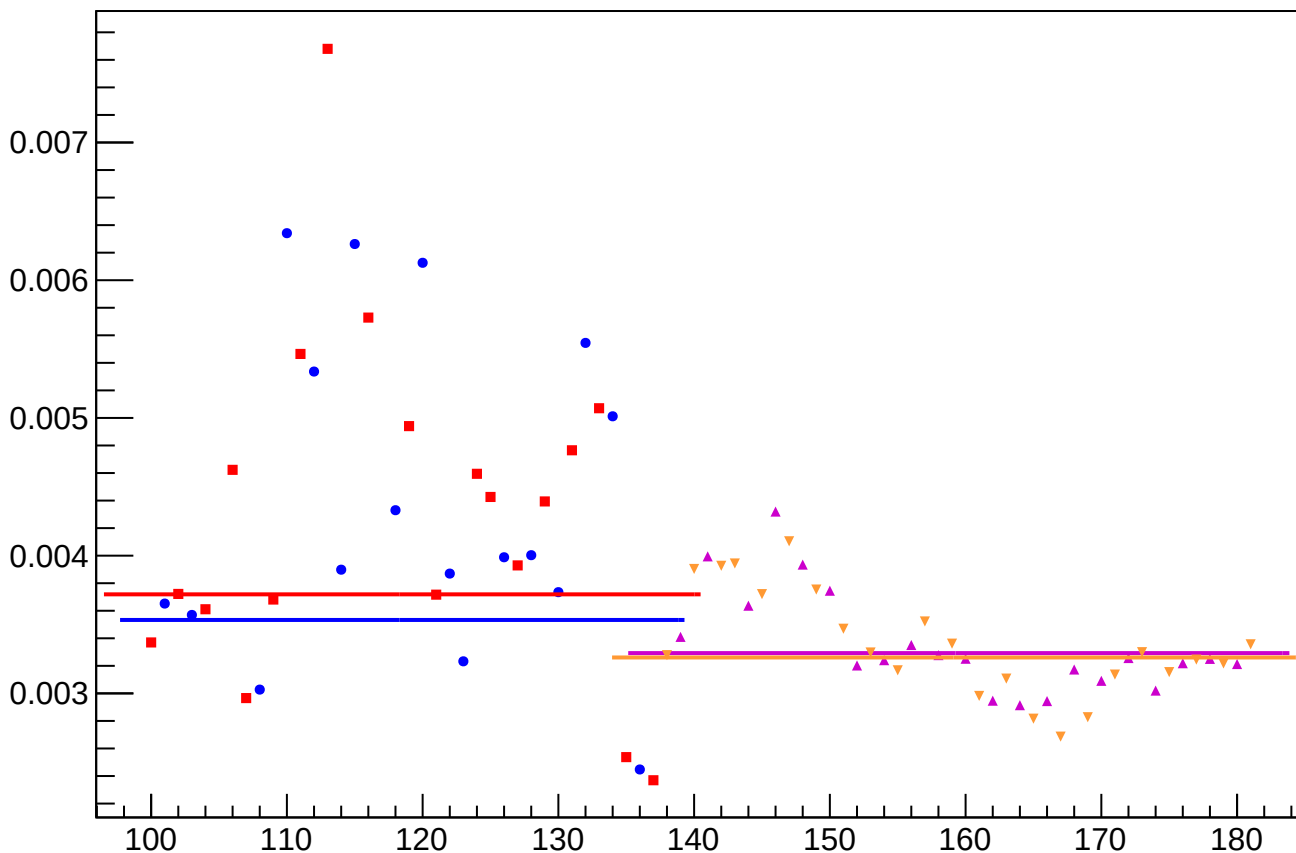
Left In: -0.568+/-0.000 χ^2/NDF : 10454010757.8/20

+ sign -0.533+/-0.000 χ^2/NDF : 22897772129.5/39

All: -0.533+/-0.000 χ^2/NDF : 41990995520.7/

- sign -0.534+/-0.000 χ^2/NDF : 19092937216.7/39

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 831496.7/16

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:376144.3/22

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 884778.0/18

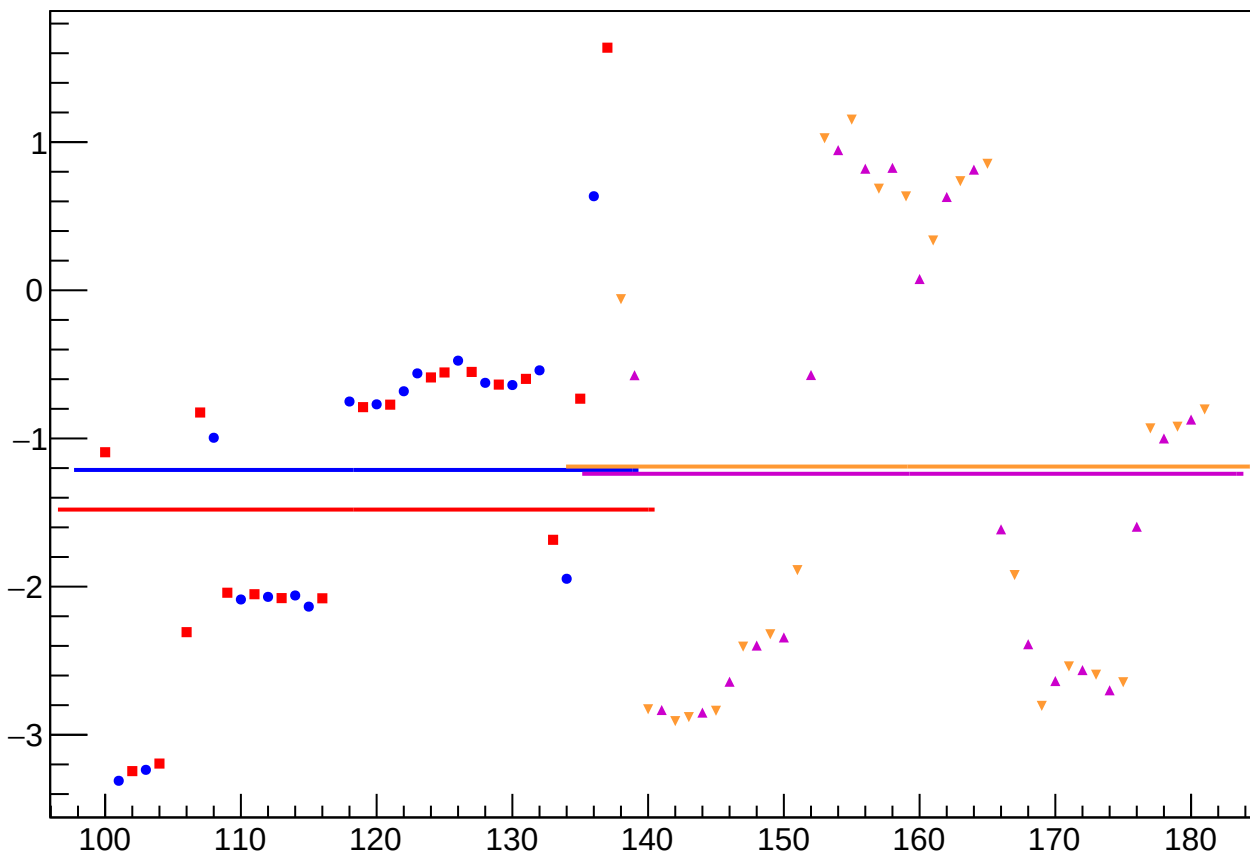
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:278644.2/20

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1257853.8/39

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2548955.8/79

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1281779.6/39

yield_bpm0r03X_mean vs Slug



Right In: -1.213 $\pm$ 0.000 χ^2 /NDF: 1991015908.7/16

Left Out: -1.190 $\pm$ 0.000 χ^2 /NDF: 6782368227.1/22

Right Out: -1.480 $\pm$ 0.000 χ^2 /NDF: 1576057924.8/18

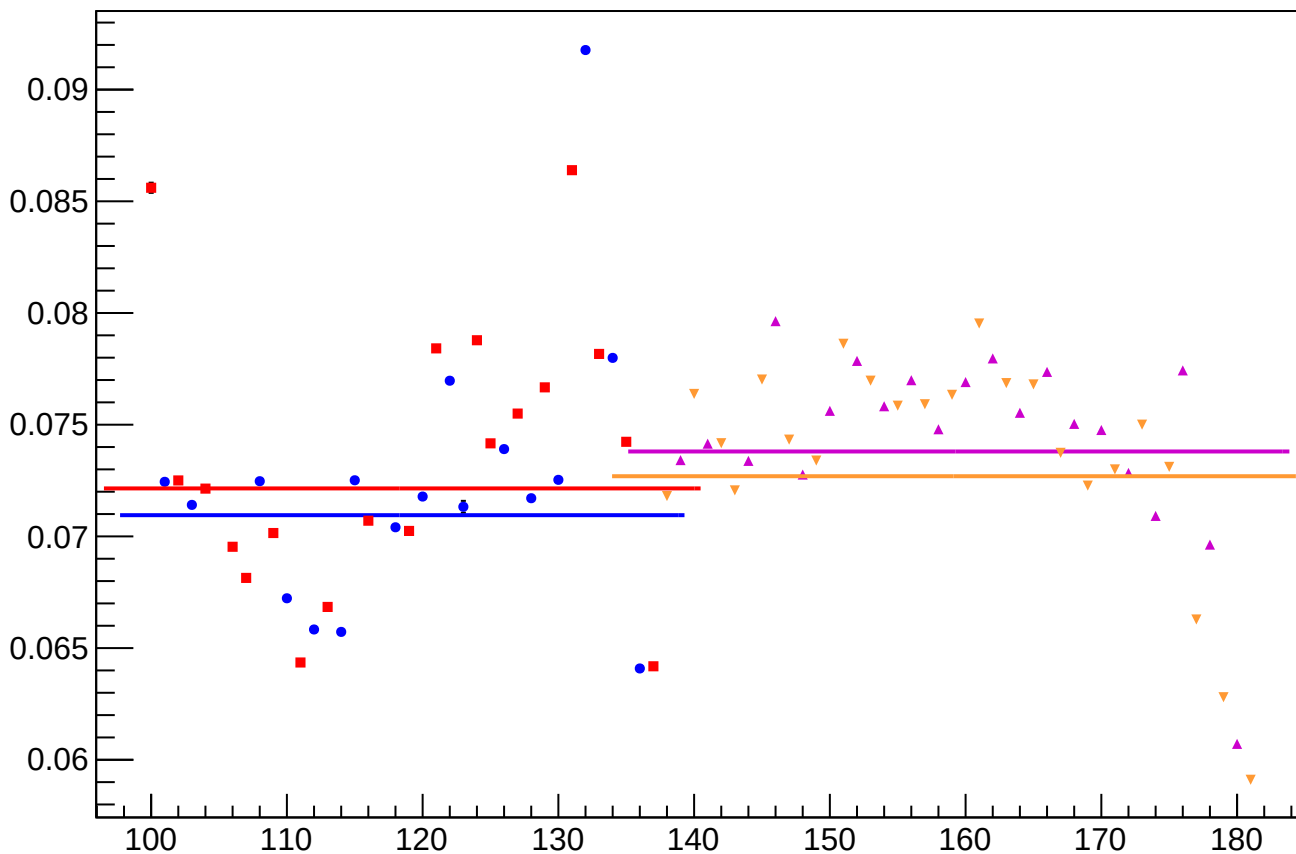
Left In: -1.238 $\pm$ 0.000 χ^2 /NDF: 5558105057.3/20

+ sign -1.196 $\pm$ 0.000 χ^2 /NDF: 8773872254.2/39

All: -1.253 $\pm$ 0.000 χ^2 /NDF: 15991954374.2/79

- sign -1.314 $\pm$ 0.000 χ^2 /NDF: 7187651280.8/39

yield_bpm0r03X_rms vs Slug



Right In: 0.071+/-0.000 χ^2/NDF : 77148.7/16

Left Out: 0.073+/-0.000 χ^2/NDF : 193026.4/22

Right Out: 0.072+/-0.000 χ^2/NDF : 69021.6/18

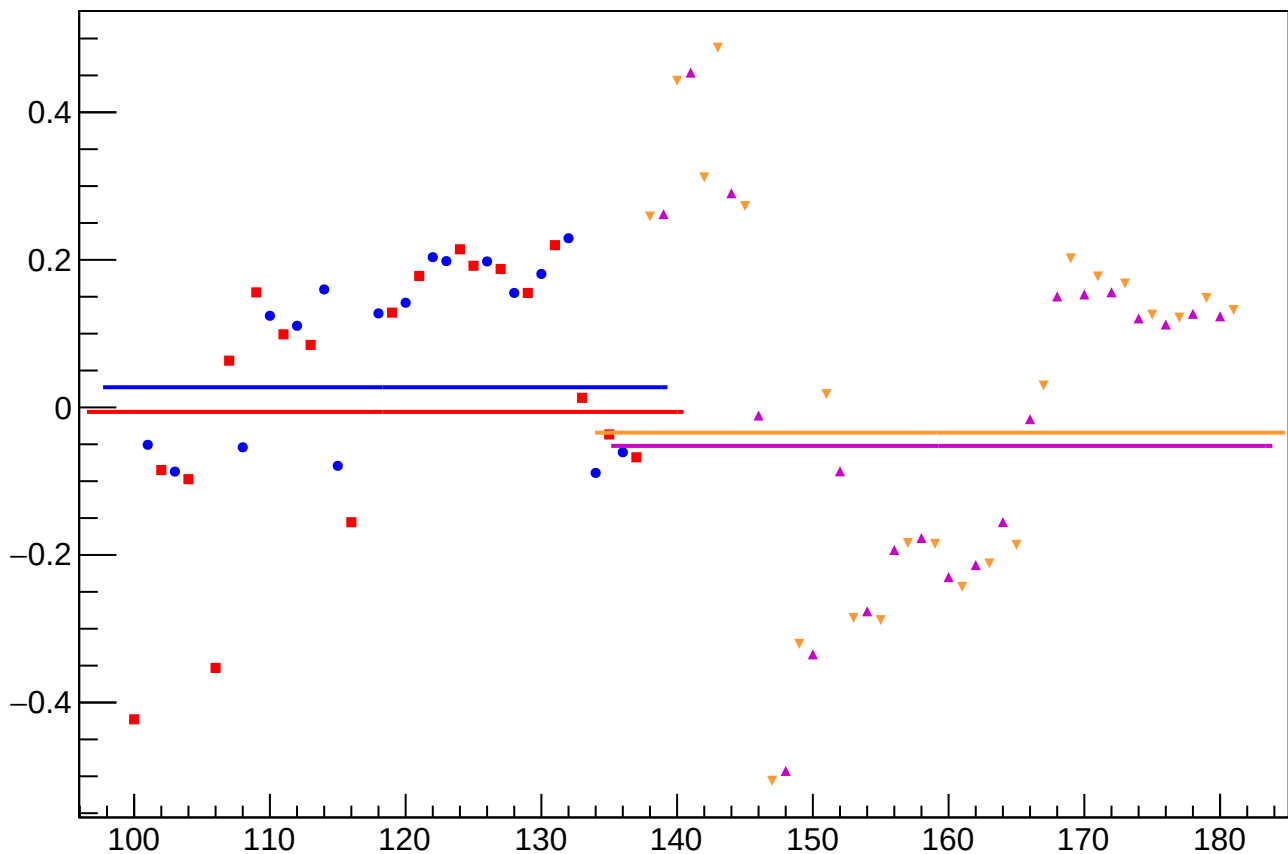
Left In: 0.074+/-0.000 χ^2/NDF : 121641.2/20

+ sign 0.072+/-0.000 χ^2/NDF : 275813.2/39

All: 0.073+/-0.000 χ^2/NDF : 476726.5/79

- sign 0.073+/-0.000 χ^2/NDF : 195674.9/39

yield_bpm0r03Y_mean vs Slug



Right In: 0.027+/-0.000 χ^2/NDF : 562065478.3/16

Left Out: -0.034+/-0.000 χ^2/NDF : 19807014132.2/22

+ sign -0.028+/-0.000 χ^2/NDF : 20517301301.7/39

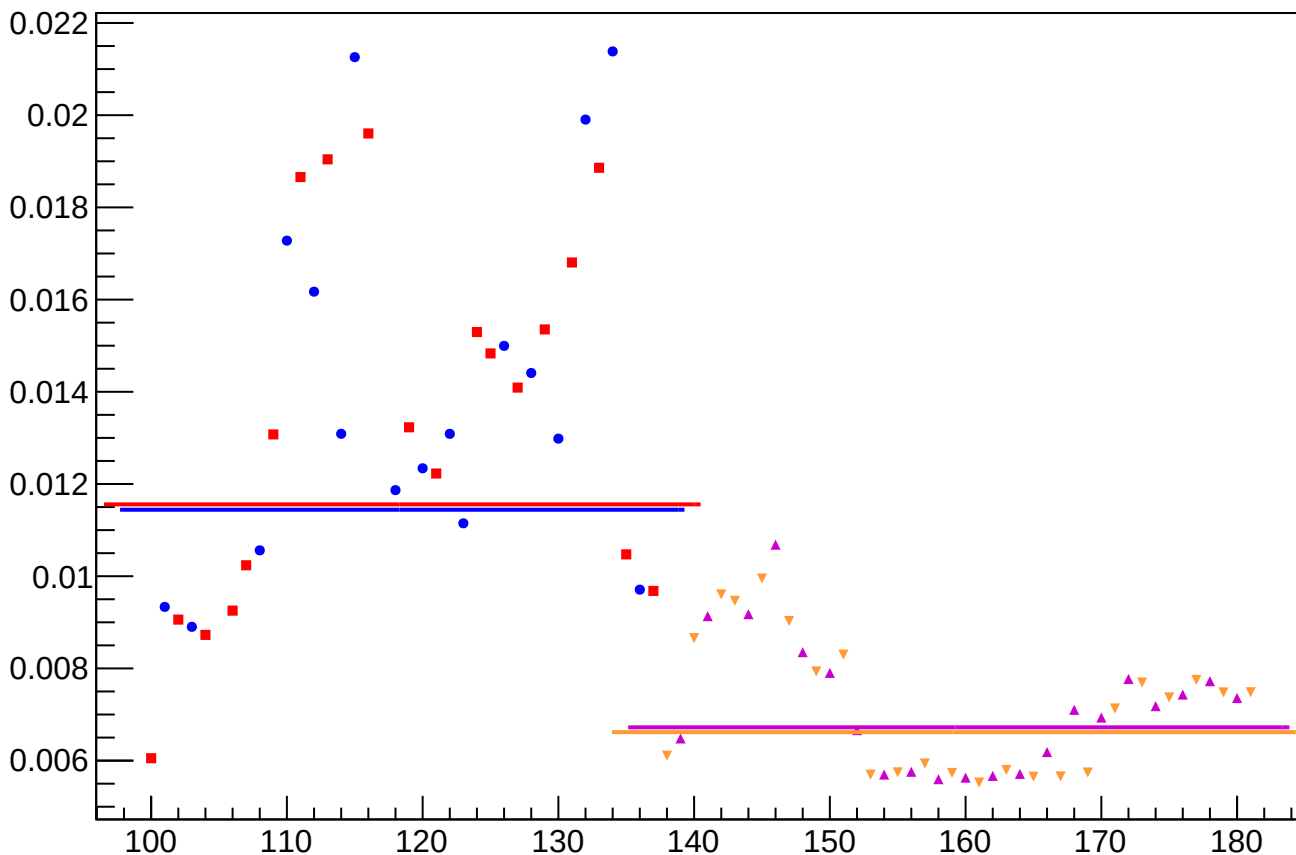
Right Out: -0.006+/-0.000 χ^2/NDF : 1205303430.4/18

All: -0.037+/-0.000 χ^2/NDF : 37068126394.7

Left In: -0.052+/-0.000 χ^2/NDF : 15191401388.1/20

- sign -0.047+/-0.000 χ^2/NDF : 16479770684.6/39

yield_bpm0r03Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 673738.1/16

Left Out: 0.007+/-0.000 χ^2/NDF :1083252.8/22

Right Out: 0.012+/-0.000 χ^2/NDF : 979298.5/18

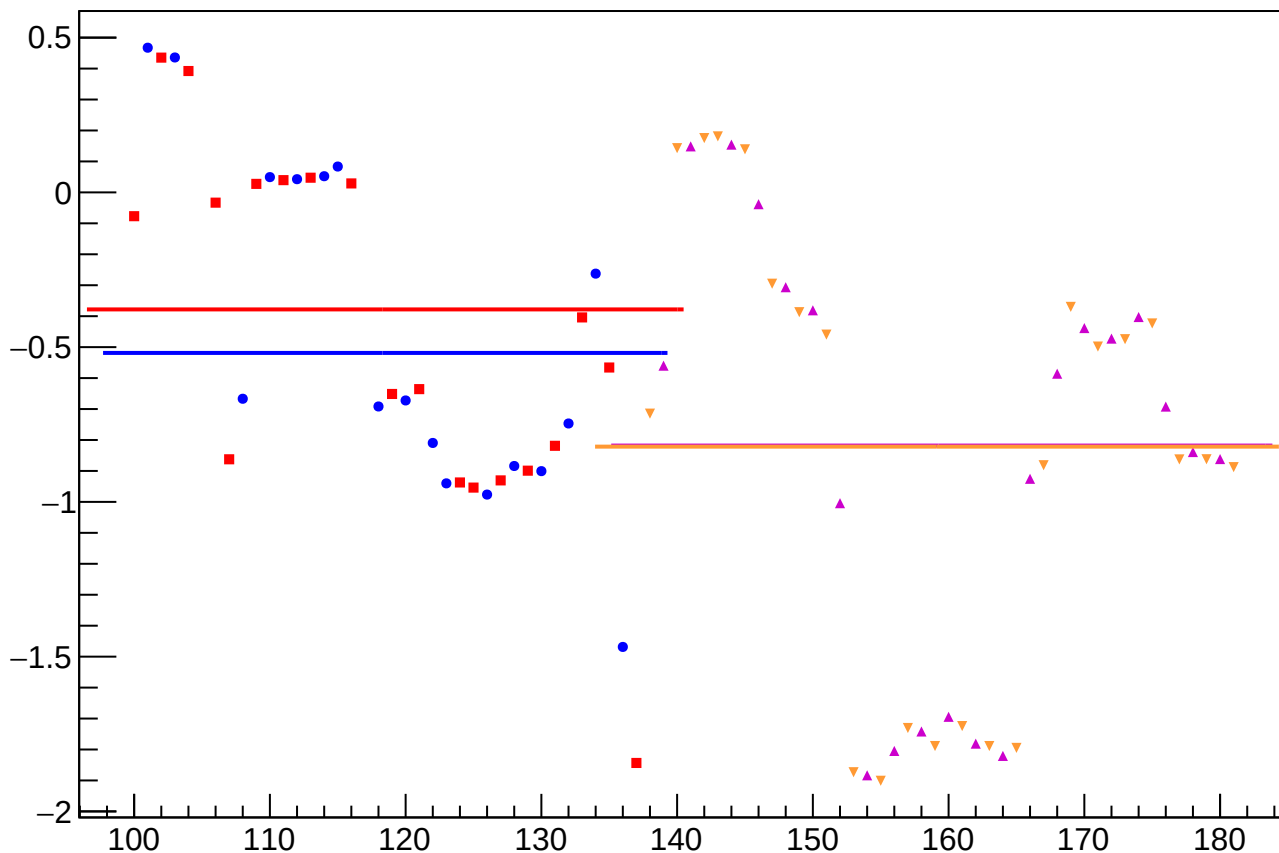
Left In: 0.007+/-0.000 χ^2/NDF :895183.8/20

+ sign 0.007+/-0.000 χ^2/NDF : 3575705.3/39

All: 0.007+/-0.000 χ^2/NDF : 7288180.3/79

- sign 0.007+/-0.000 χ^2/NDF : 3702725.2/39

yield_bpm0r05X_mean vs Slug



Right In: -0.519 ± 0.000 χ^2/NDF : 338707442.0/16

Left Out: -0.821 ± 0.000 χ^2/NDF : 1083217744.6/22

Right Out: -0.378 ± 0.000 χ^2/NDF : 267921889.8/18

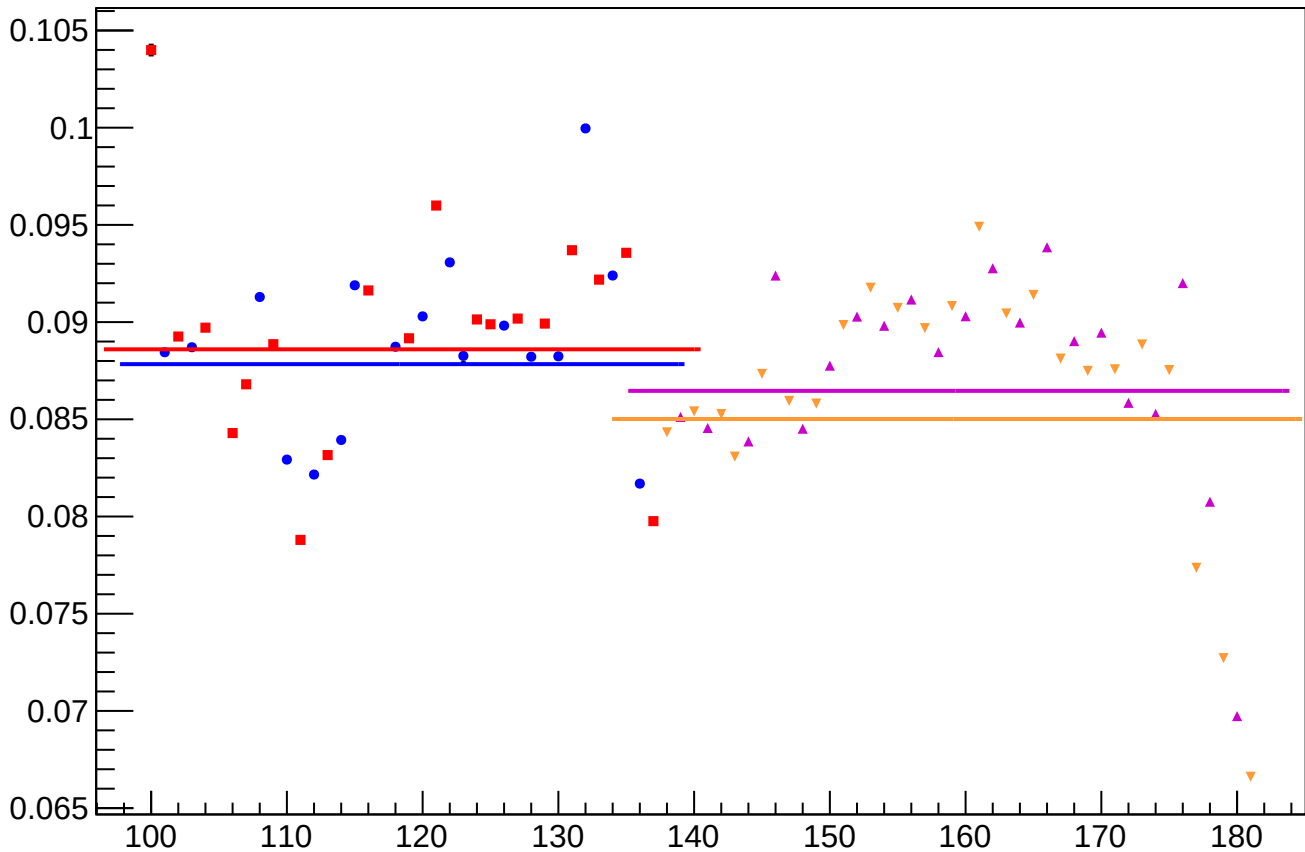
Left In: -0.818 ± 0.000 χ^2/NDF : 919567953.6/20

+ sign -0.741 ± 0.000 χ^2/NDF : 1480003352.8/39

All: -0.715 ± 0.000 χ^2/NDF : 2794779382.1/7

- sign -0.688 ± 0.000 χ^2/NDF : 1310461531.2/39

yield_bpm0r05X_rms vs Slug



Right In: 0.088 $\pm$ 0.000 χ^2 /NDF: 34872.1/16

Left Out: 0.085 $\pm$ 0.000 χ^2 /NDF:254080.7/22

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 38932.4/18

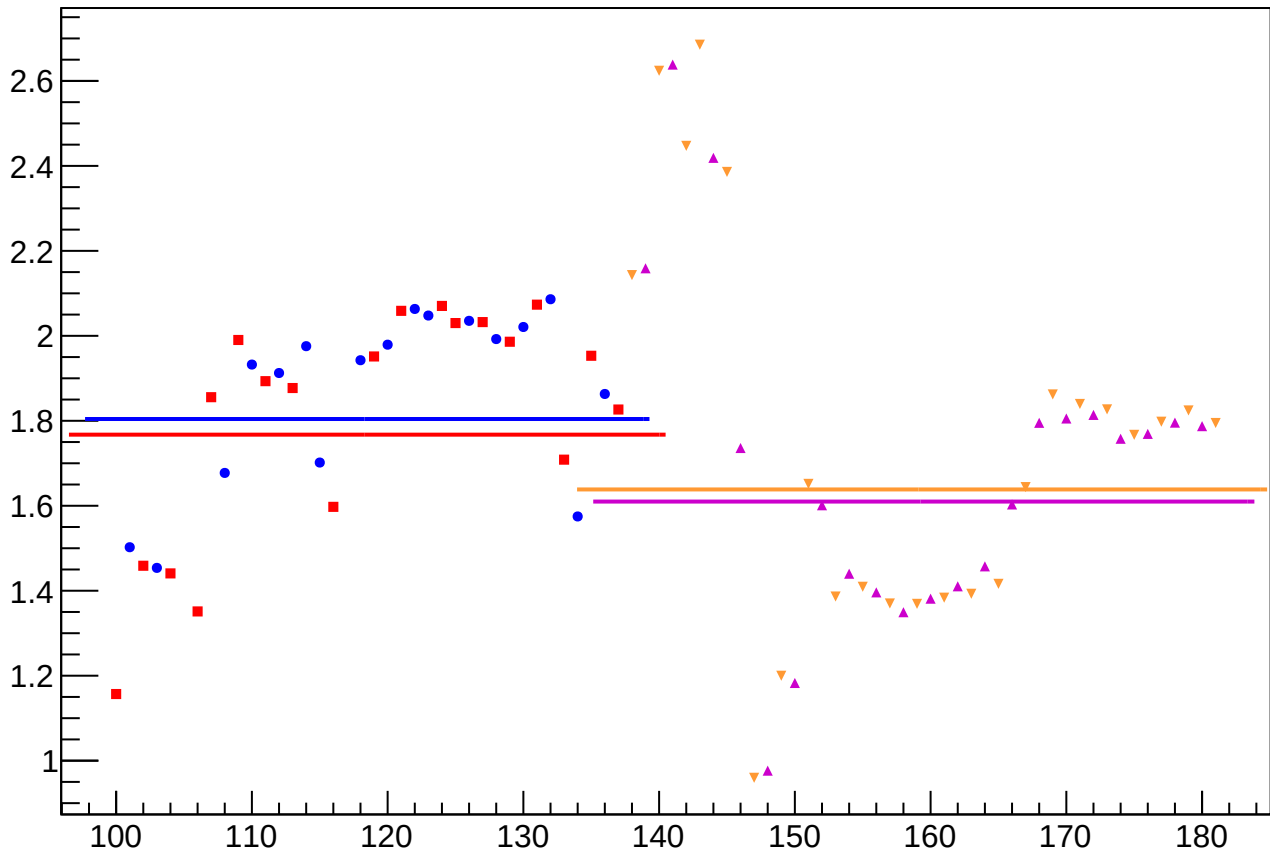
Left In: 0.086 $\pm$ 0.000 χ^2 /NDF:157132.4/20

+ sign 0.086 $\pm$ 0.000 χ^2 /NDF: 299037.4/39

All: 0.086 $\pm$ 0.000 χ^2 /NDF: 506433.0/79

- sign 0.087 $\pm$ 0.000 χ^2 /NDF: 201867.6/39

yield_bpm0r05Y_mean vs Slug



Right In: 1.804 $\pm$ 0.000 χ^2 /NDF: 1156038618.5/16

Left Out: 1.638 $\pm$ 0.000 χ^2 /NDF: 25980910852.2/22

Right Out: 1.767 $\pm$ 0.000 χ^2 /NDF: 1715728859.6/18

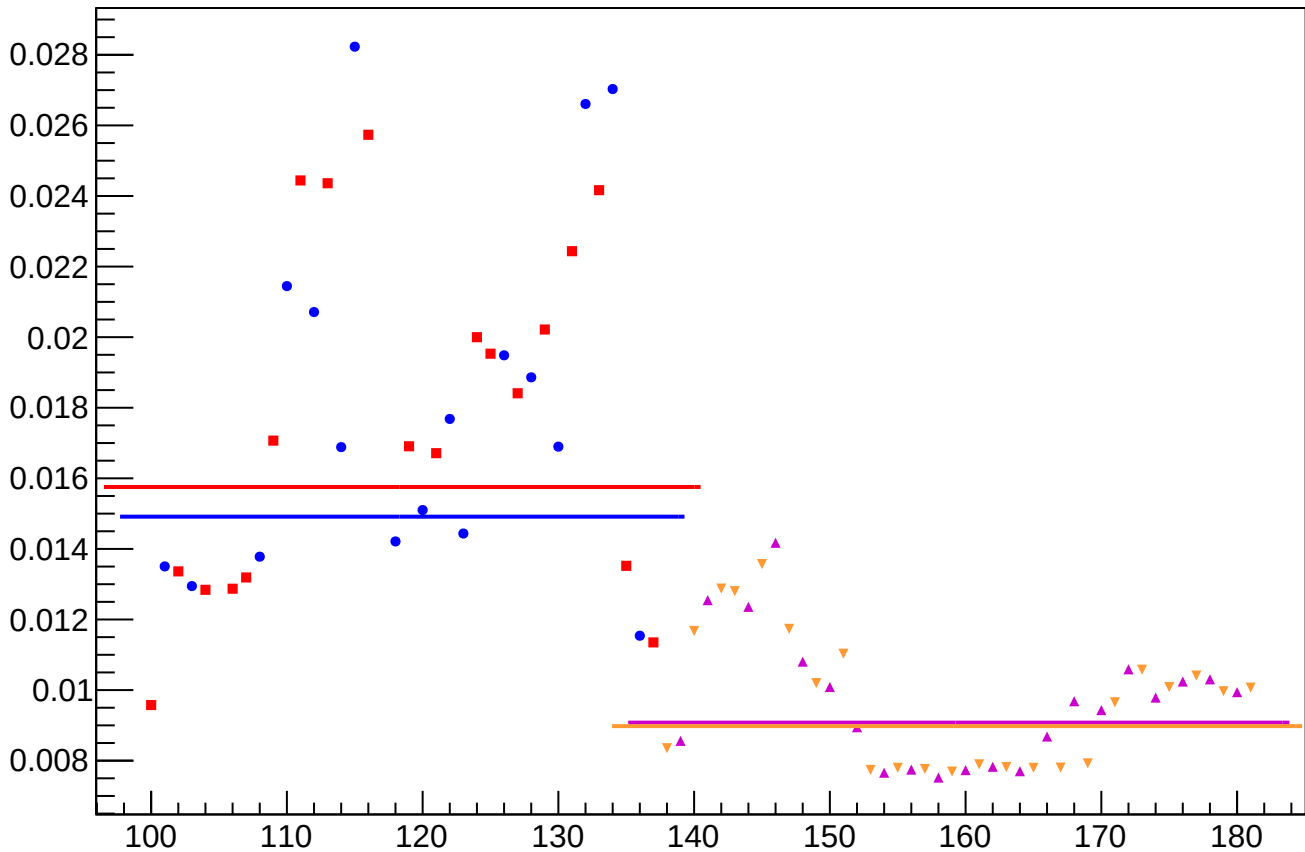
Left In: 1.610 $\pm$ 0.000 χ^2 /NDF: 20282386006.8/20

+ sign 1.657 $\pm$ 0.000 χ^2 /NDF: 27764705342.3/39

All: 1.643 $\pm$ 0.000 χ^2 /NDF: 50385409846.6/79

- sign 1.628 $\pm$ 0.000 χ^2 /NDF: 22529511383.4/39

yield_bpm0r05Y_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 638037.3/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:993746.4/22

Right Out: 0.016 $\pm$ 0.000 χ^2 /NDF: 770357.5/18

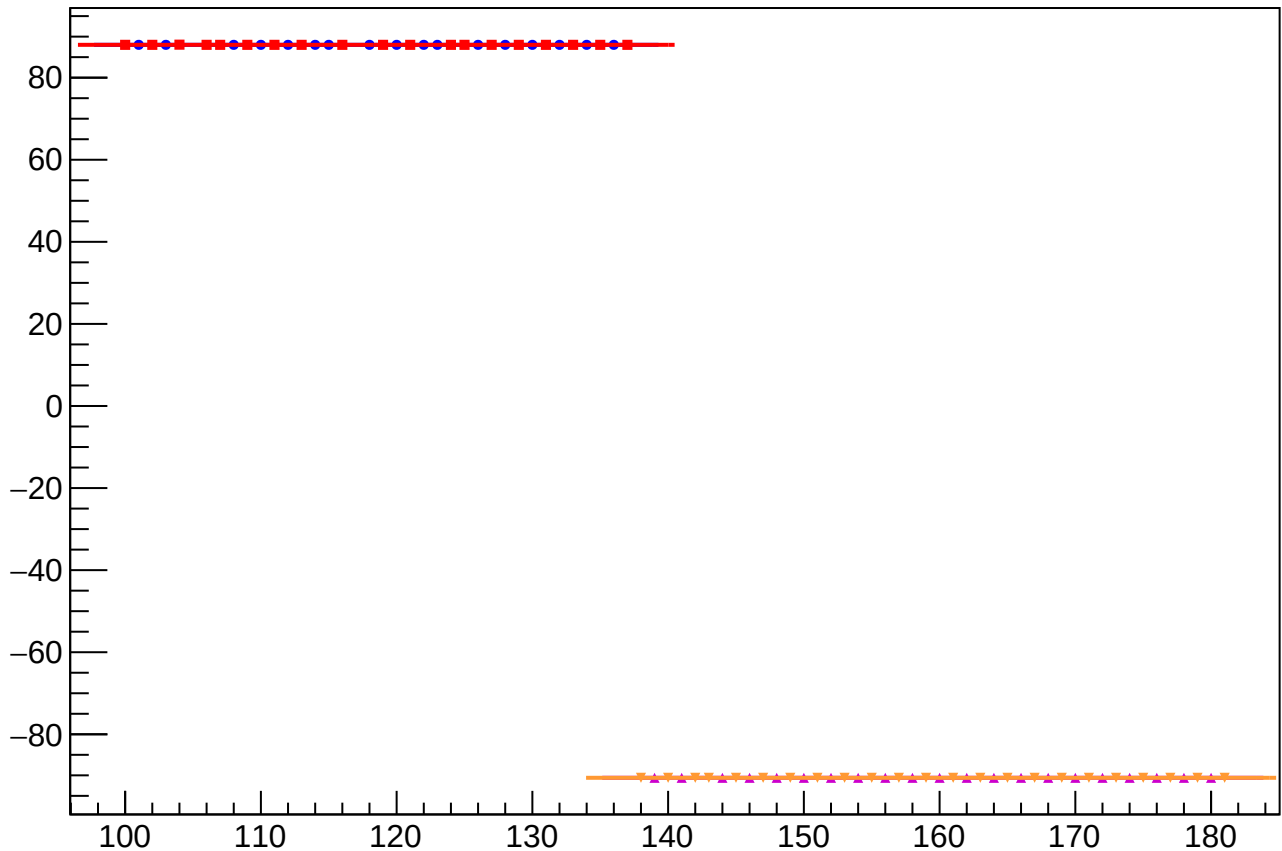
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:851020.3/20

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3240321.8/39

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 6780835.7/79

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3531705.9/39

epics_VWienAngles_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 1547328.6/16

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 8501421.4/22

Right Out: 88.004 $\pm$ 0.000 χ^2 /NDF: 77529520773816998986447323136.0/18

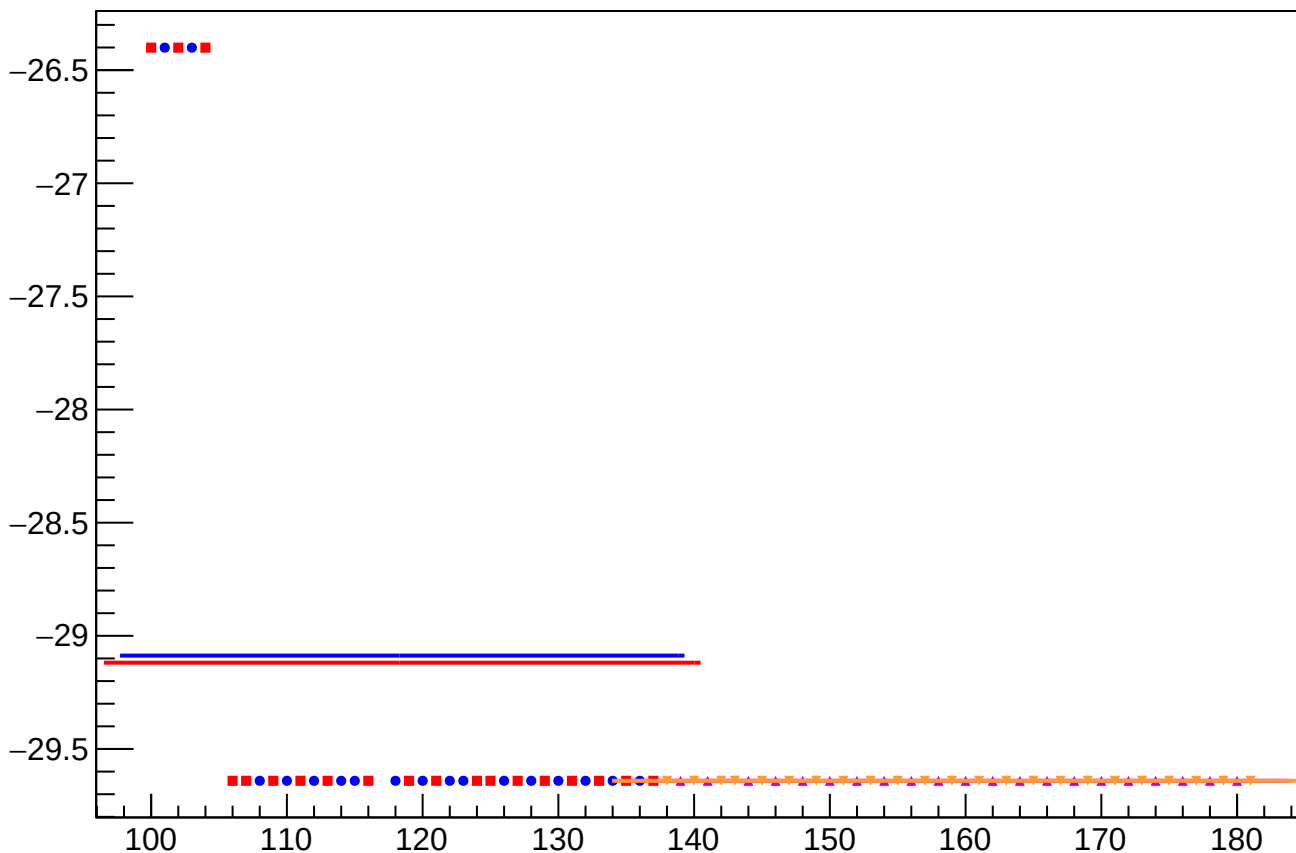
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 5822979.9/20

+ sign -41.036 $\pm$ 0.000 χ^2 /NDF: 159247554849959

All: -39.169 $\pm$ 0.000 χ^2 /NDF: 320480731677

- sign -37.241 $\pm$ 0.000 χ^2 /NDF: 1610567768188686

epics_HWienAngles_mean vs Slug



Right In: -29.087+/-0.000 χ^2/NDF : 1027184842836480355028877627621376.0/16

Left Out: -29.641+/-0.000 χ^2/NDF : 255426.9/22

Right Out: -29.119+/-0.000 χ^2/NDF : 1021533120000008474668992382894080.0/18

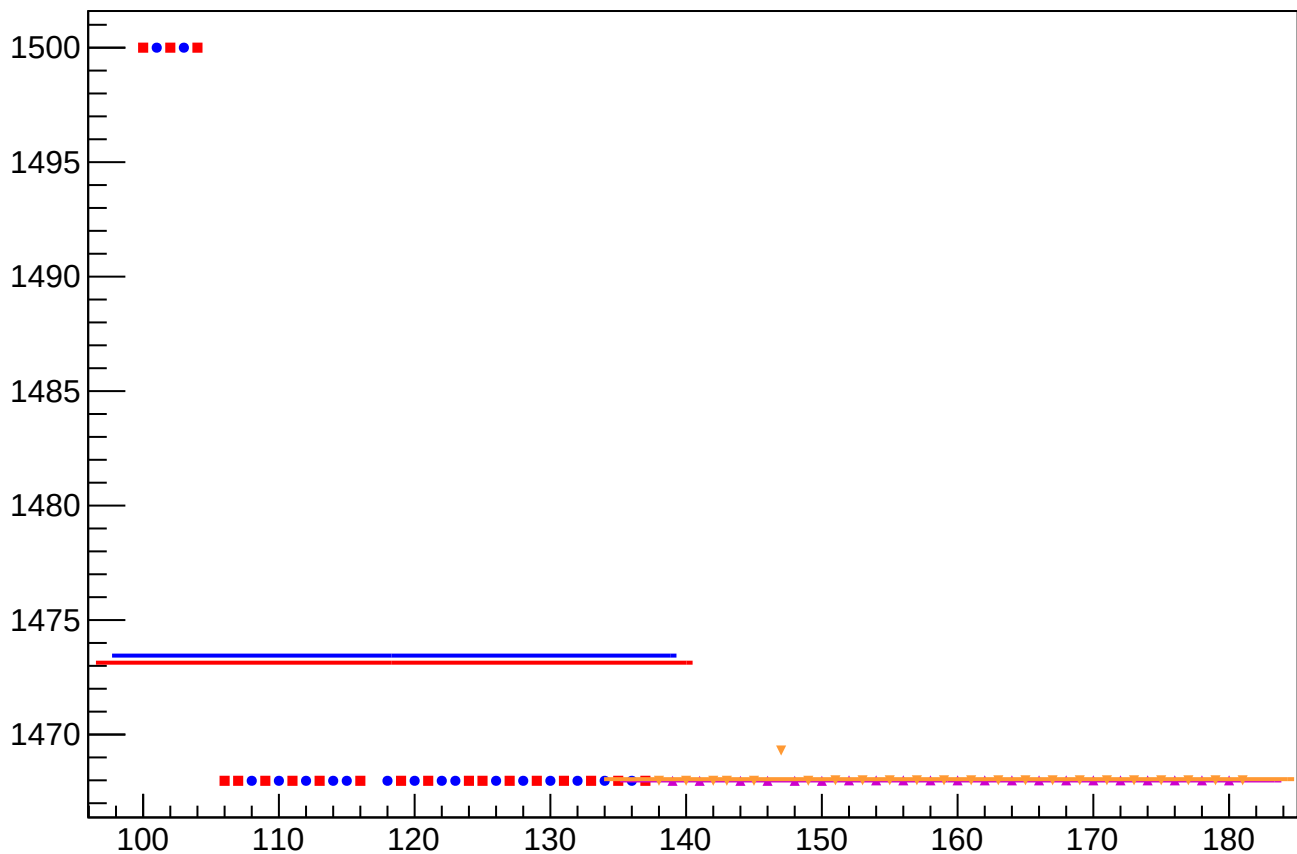
Left In: -29.641+/-0.000 χ^2/NDF : 478327.4/20

+ sign -29.487+/-0.000 χ^2/NDF : 118001455807227

All: -29.486+/-0.000 χ^2/NDF : 233913093355

- sign -29.485+/-0.000 χ^2/NDF : 1159109274024871

epics_psub_pl_poss_mean vs Slug



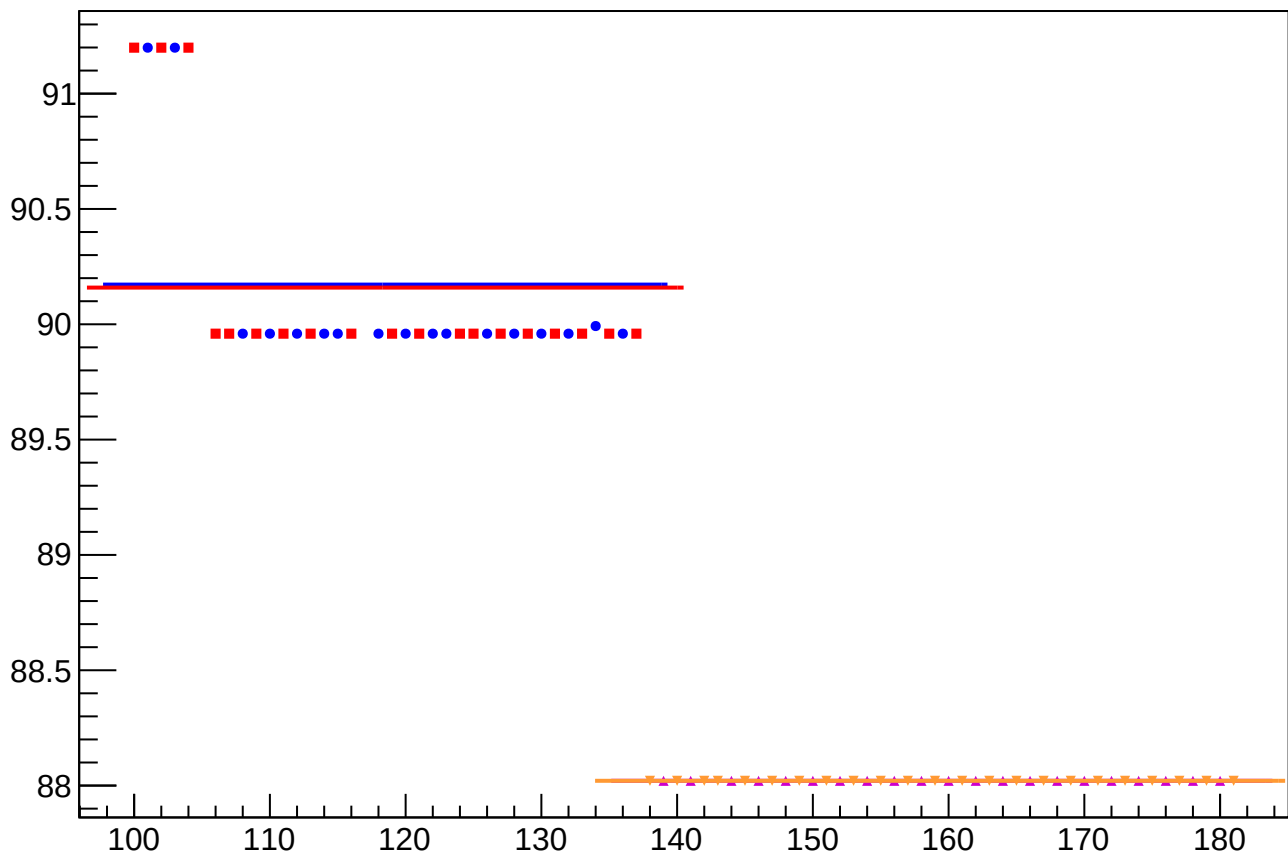
Right In: 1473.447+/-0.000 χ^2/NDF : 100331979974804513534478923851628544.0/16

Left Out: 1468.051+/-0.000 χ^2/NDF : 127656949249289324093749980037120.0/22 + sign 1469.549+/-0.000 χ^2/NDF : 11499920955009

Right Out: 1473.138+/-0.000 χ^2/NDF : 99779938590622337721401930749575168.0/18 All: 1469.540+/-0.000 χ^2/NDF : 22814446379

Left In: 1467.993+/-0.000 χ^2/NDF : 140991479256117896147625836544.0/20 - sign 1469.530+/-0.000 χ^2/NDF : 11314485489891

epics_Phi_FGs_mean vs Slug



Right In: 90.172 $\pm$ 0.000 χ^2 /NDF: 150181697791974119042789817712640.0/16

Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 5482494.9/22

Right Out: 90.159 $\pm$ 0.000 χ^2 /NDF: 149625564444474590335066871693312.0/18

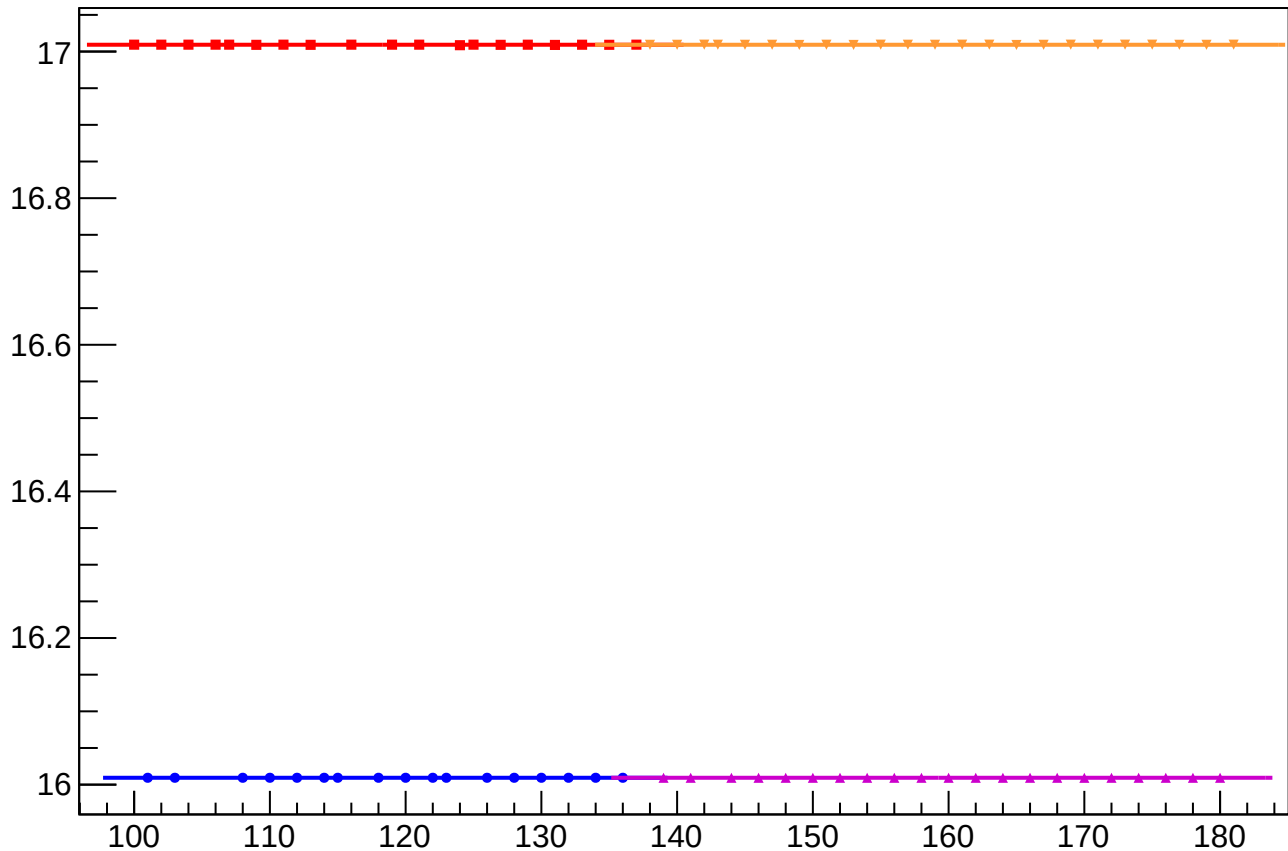
Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 5960506.8/20

+ sign 88.618 $\pm$ 0.000 χ^2 /NDF: 2460818524543249

All: 88.638 $\pm$ 0.000 χ^2 /NDF: 4921292034045

- sign 88.660 $\pm$ 0.000 χ^2 /NDF: 2458330784302955

epics_IGL1I00DI24_24Ms_mean vs Slug

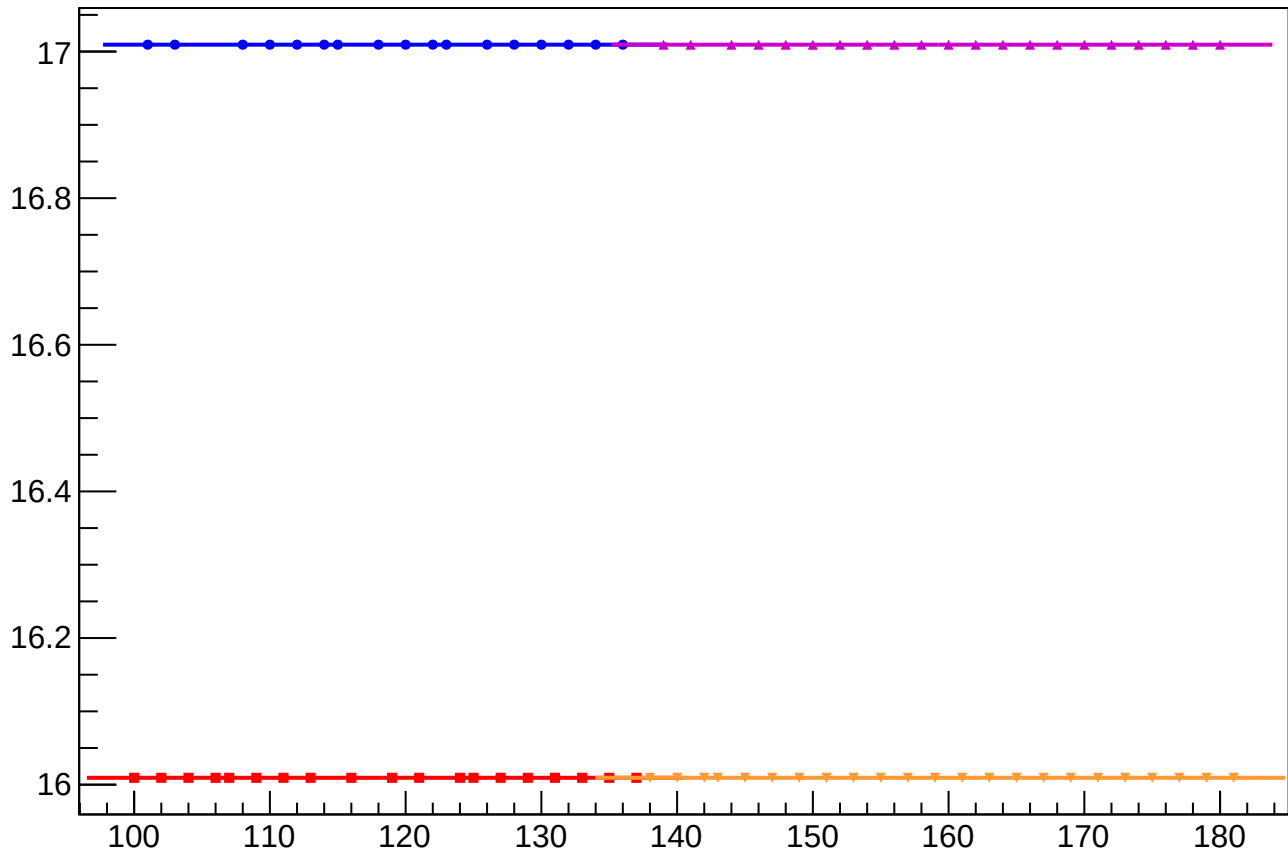


+ sign 16.726 $\pm$ 0.000 χ^2/NDF : 4719417607387054

All: 16.519 $\pm$ 0.000 χ^2/NDF : 1135569370353

- sign 16.303 $\pm$ 0.000 χ^2/NDF : 4610147608817677

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 119200.0/16

Left Out: 16.009+/-0.000 χ^2/NDF : 60710.7/22

Right Out: 16.009+/-0.000 χ^2/NDF : 39077.0/18

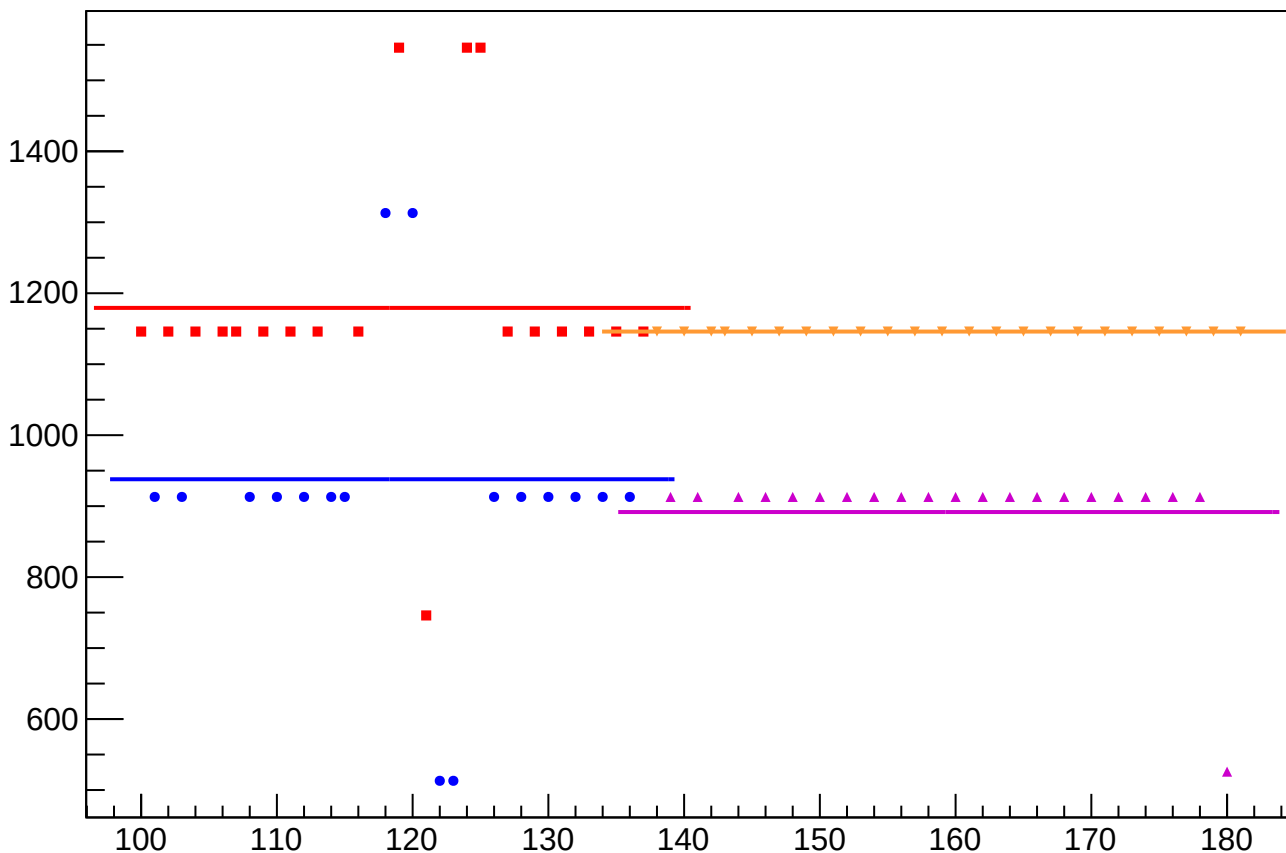
Left In: 17.009+/-0.000 χ^2/NDF : 114626721460555654103040.0/20

+ sign 16.280+/-0.000 χ^2/NDF : 4805772391125667

All: 16.490+/-0.000 χ^2/NDF : 1196230477998

- sign 16.707+/-0.000 χ^2/NDF : 4974048108670156

epics_RTPAPOSUCNTs_mean vs Slug



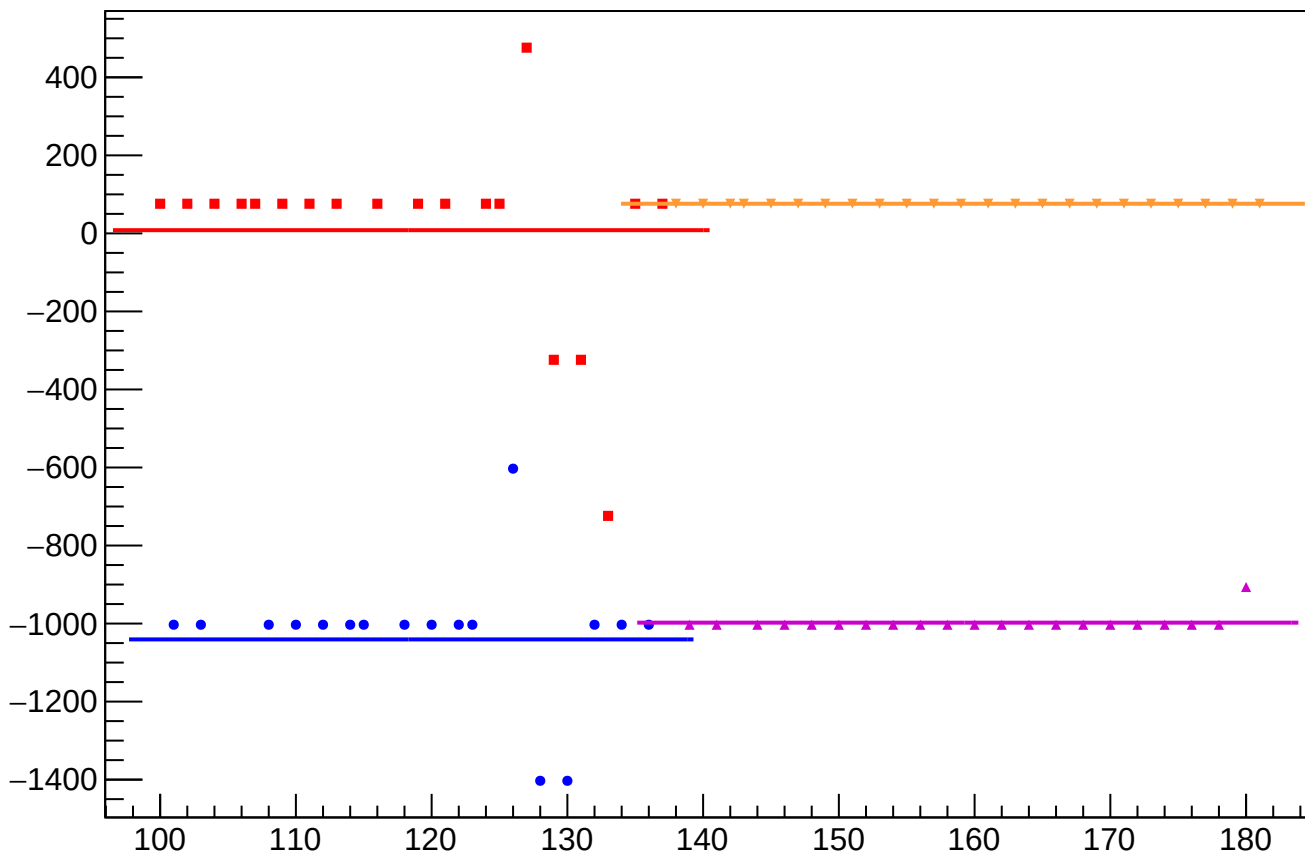
Right In: 937.887+/-0.000 χ^2/NDF : 20853195799113284359206128263972782080.0/16

Left Out: 1146.011+/-0.000 χ^2/NDF : 5895624070877645141427879936.0/22 + sign 1088.255+/-0.000 χ^2/NDF : 42478154288970

Right Out: 1179.343+/-0.000 χ^2/NDF : 21280712999839458982137051519993774080.0/18 All: 1033.845+/-0.000 χ^2/NDF : 13369107529

Left In: 891.693+/-0.000 χ^2/NDF : 13168607777184724524303746916755177472.0/20 - sign 977.630+/-0.000 χ^2/NDF : 762257056178412

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1040.616+/-0.000 χ^2/NDF : 22221373085920074948025403120531013632.0/16

Left Out: 76.011+/-0.000 χ^2/NDF : 10937220090244609075471974400.0/22

Right Out: 8.231+/-0.000 χ^2/NDF : 43732051061335101274341918679788158976.0/18

Left In: -997.664+/-0.000 χ^2/NDF : 823027729017640584703469096290746368.0/20

+ sign -233.864+/-0.000 χ^2/NDF : 64470232587208

All: -461.724+/-0.000 χ^2/NDF : 14629784274

- sign -697.148+/-0.000 χ^2/NDF : 55542222030888