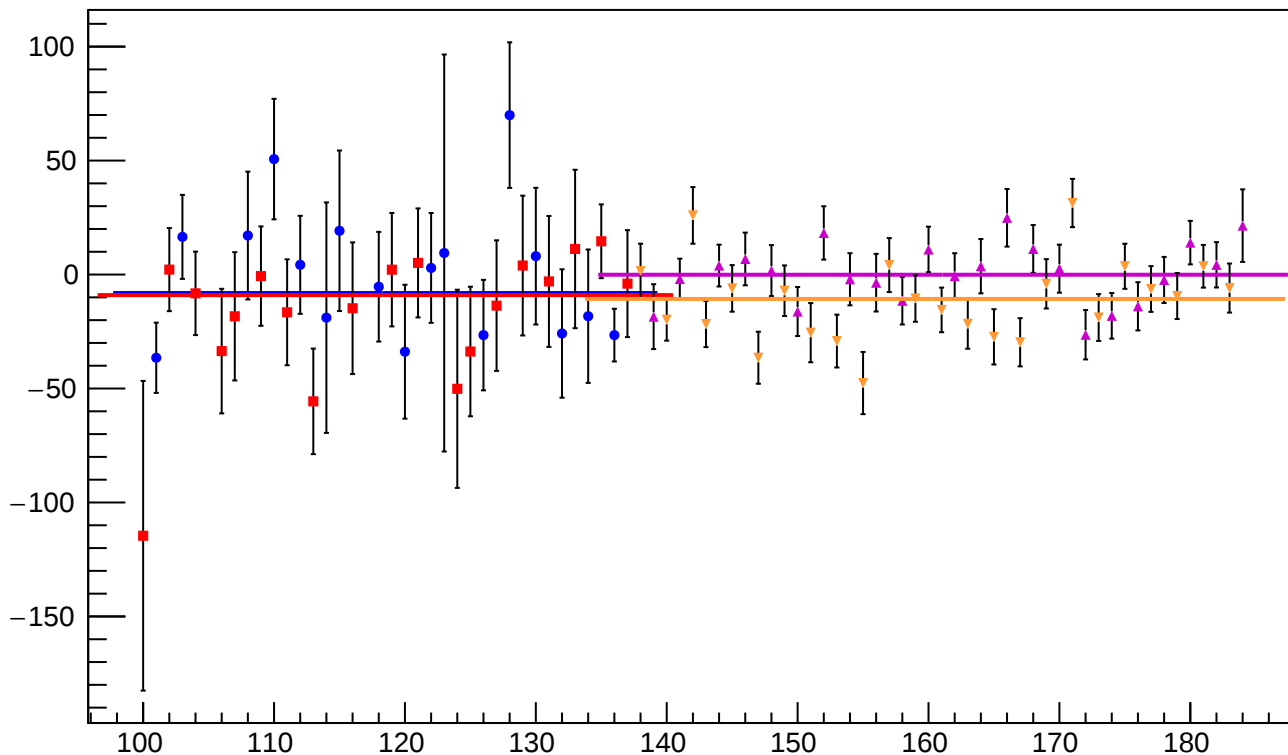


diff_bpm4aX_mean vs Slug



Right In: -8.097 ± 5.619

$\chi^2/\text{NDF}: 22.9/16$

Left Out: -10.686 ± 2.196

$\chi^2/\text{NDF}: 58.1/23$

Right Out: -9.015 ± 5.687

$\chi^2/\text{NDF}: 13.0/18$

Left In: -0.080 ± 2.251

$\chi^2/\text{NDF}: 29.9/22$

+ sign -10.343 ± 2.045

$\chi^2/\text{NDF}: 81.2/40$

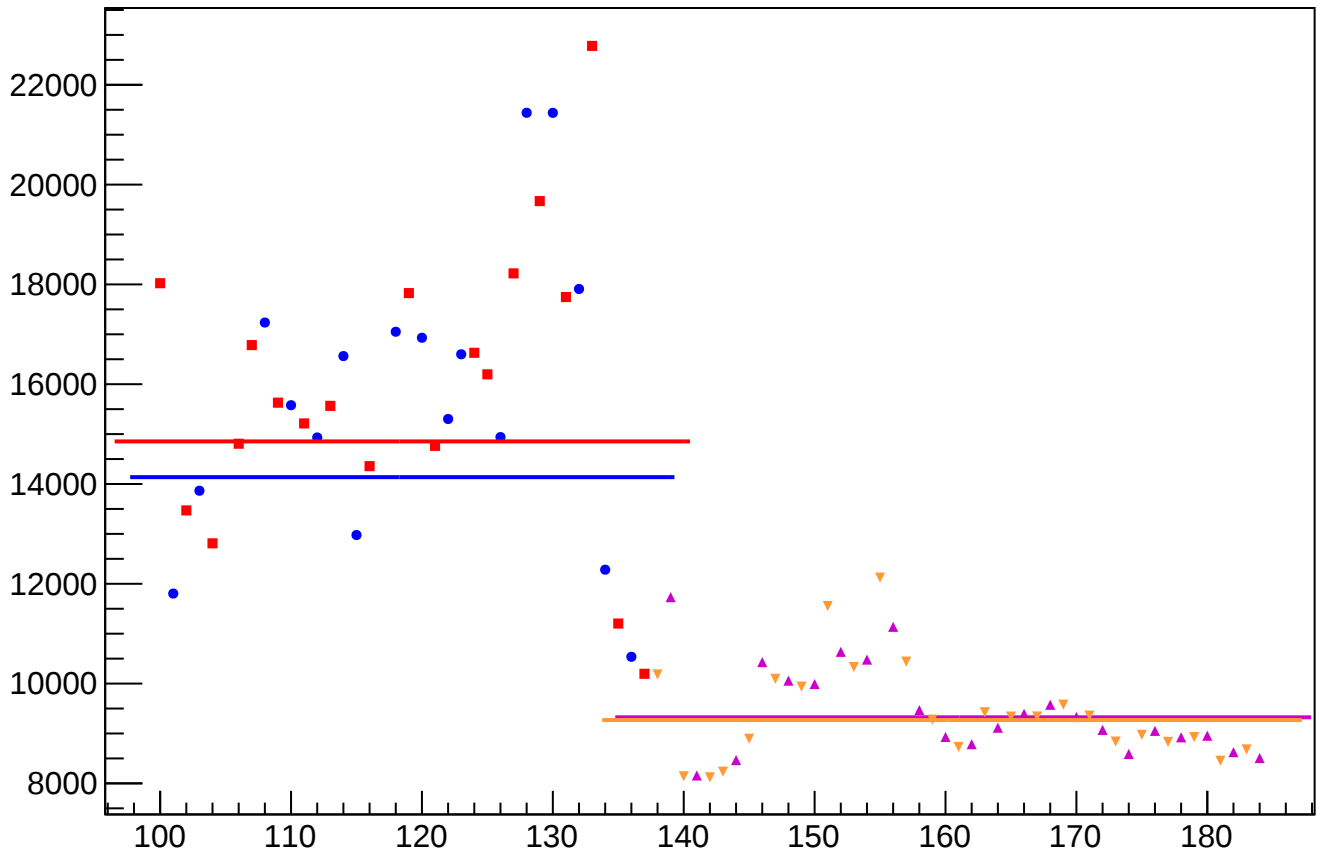
All: -5.920 ± 1.463

$\chi^2/\text{NDF}: 135.8/82$

- sign -1.290 ± 2.093

$\chi^2/\text{NDF}: 45.0/41$

diff_bpm4aX_rms vs Slug



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

Left Out: 9268.741+/-1.553 χ^2/NDF : 327171.6/23

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

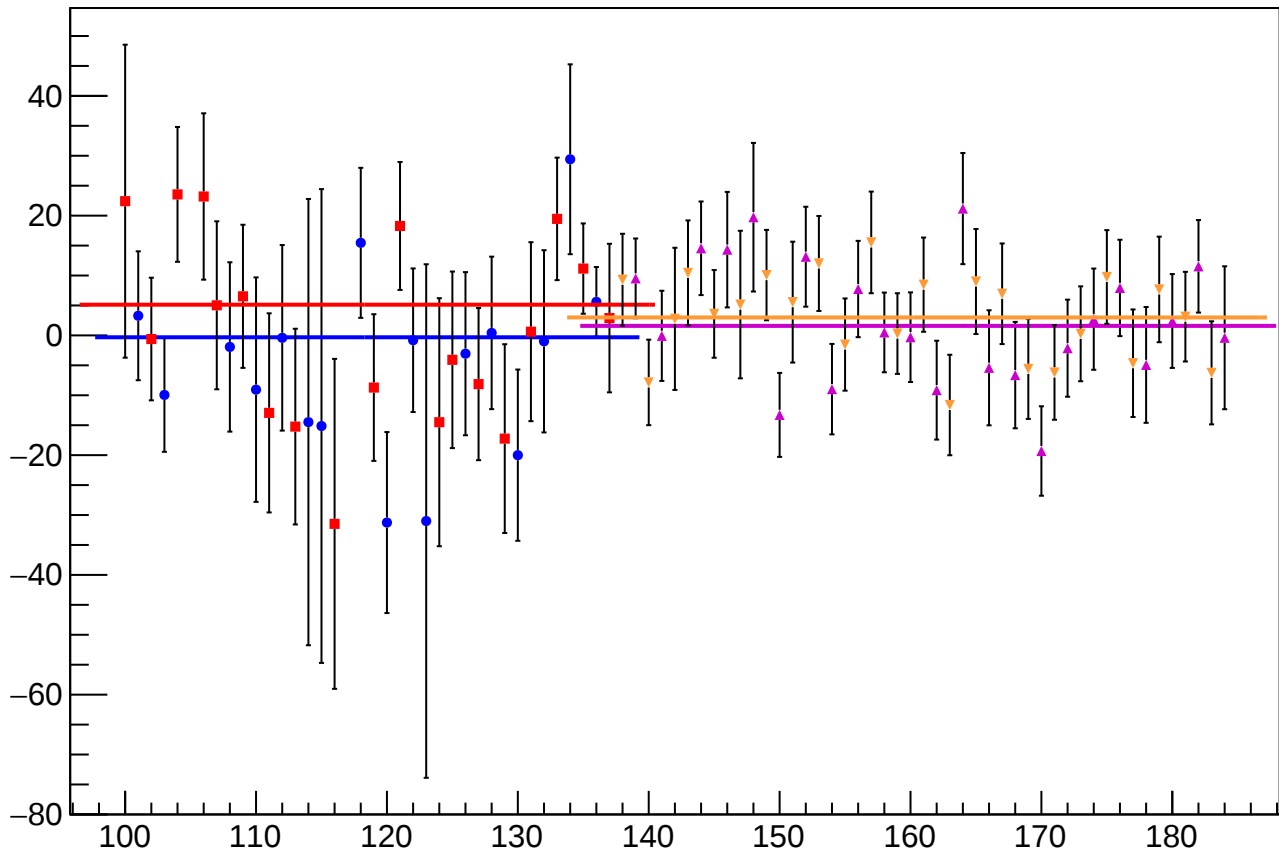
Left In: 9323.983+/-1.591 χ^2/NDF : 275717.0/22

+ sign 9913.614+/-1.446 χ^2/NDF : 2232416.8/40

All: 9991.285+/-1.034 χ^2/NDF : 4622405.7/82

- sign 10072.599+/-1.480 χ^2/NDF : 2384084.8/41

diff_bpm4aY_mean vs Slug



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

Left Out: 2.997 ± 1.679 χ^2/NDF : 18.3/23

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

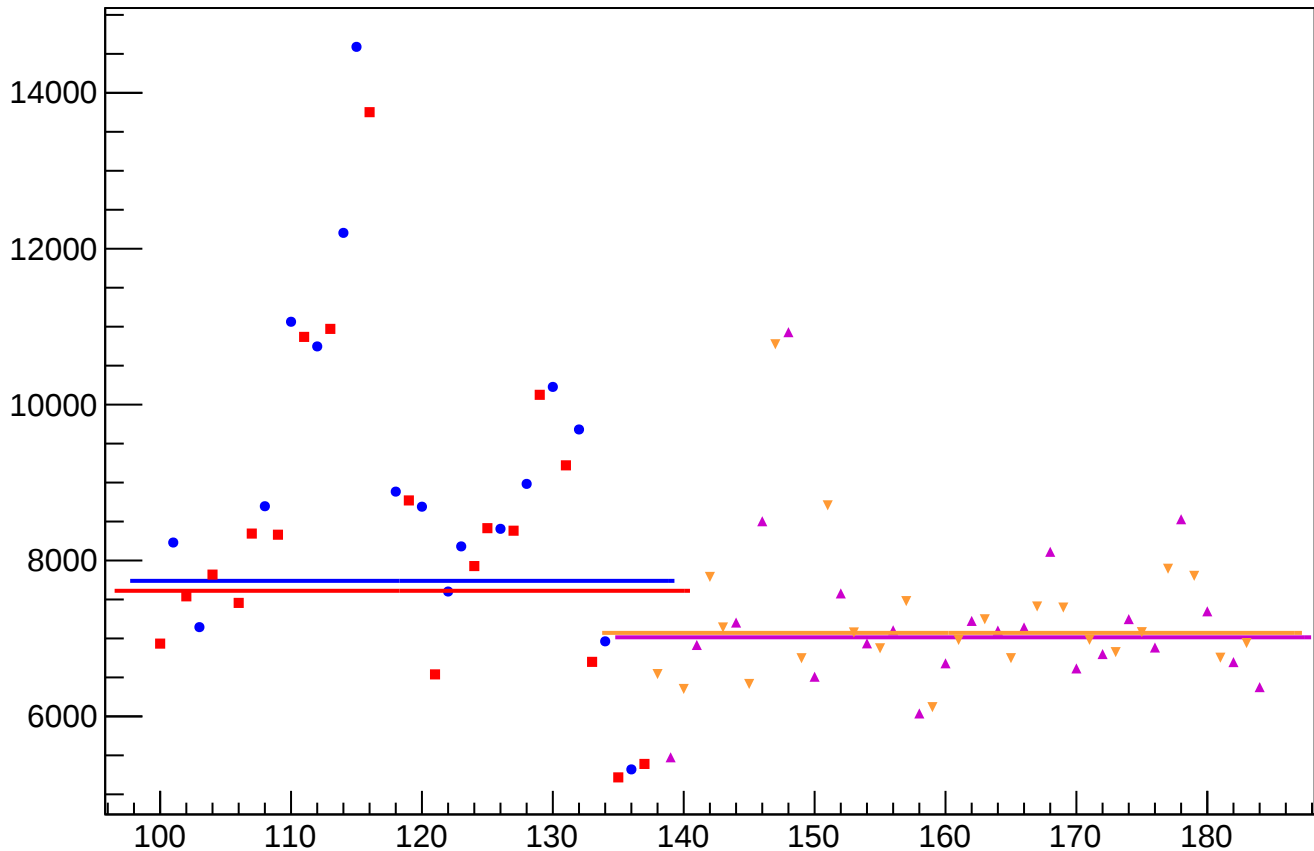
Left In: 1.588 ± 1.703 χ^2/NDF : 35.5/22

+ sign 2.238 ± 1.474 χ^2/NDF : 33.6/40

All: 2.357 ± 1.042 χ^2/NDF : 89.8/82

- sign 2.476 ± 1.474 χ^2/NDF : 56.1/41

diff_bpm4aY_rms vs Slug



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

Left Out: 7071.480+/-1.187 χ^2/NDF : 383018.8/23

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

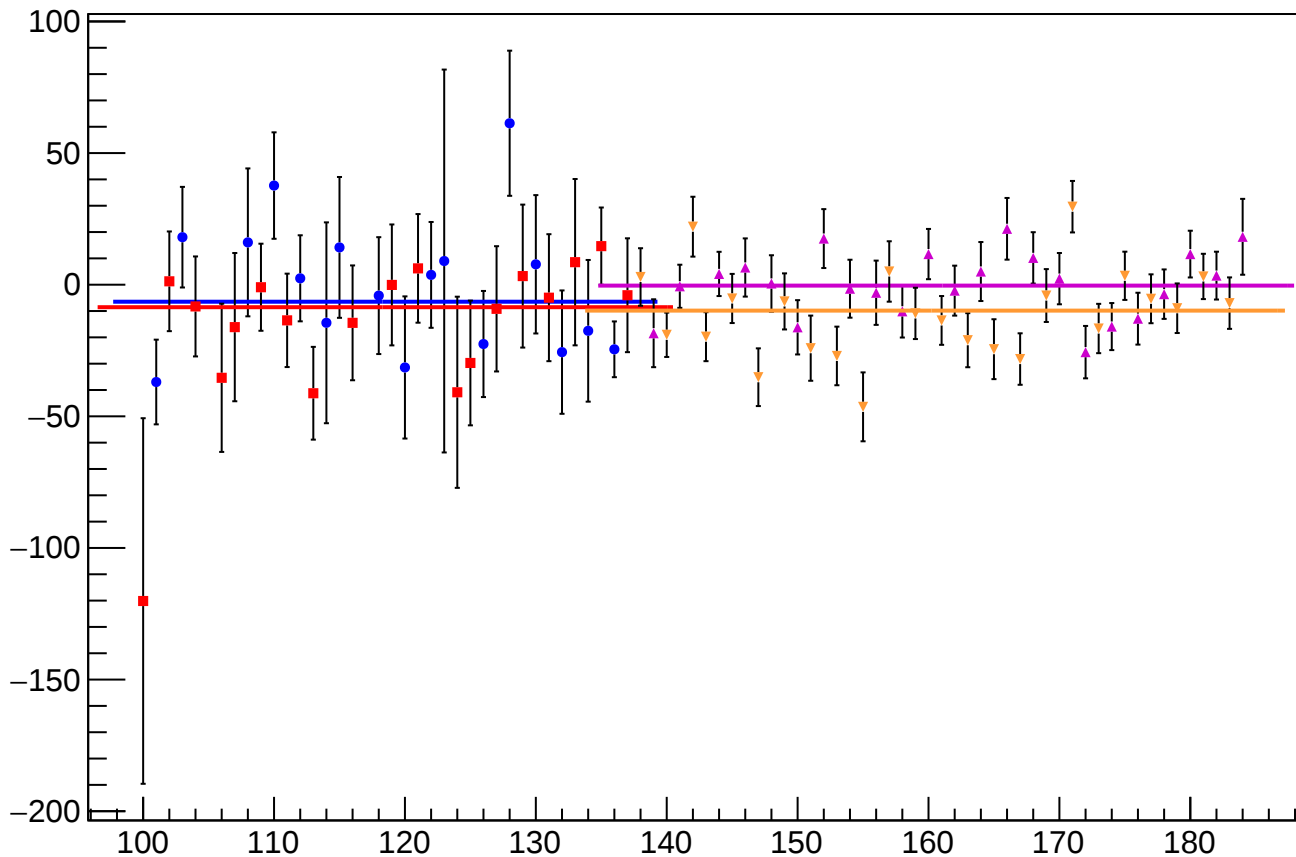
Left In: 7014.572+/-1.204 χ^2/NDF : 525313.7/22

+ sign 7224.619+/-1.042 χ^2/NDF : 1196510.9/40

All: 7194.456+/-0.737 χ^2/NDF : 2468417.0/82

- sign 7164.300+/-1.042 χ^2/NDF : 1270230.8/41

diff_bpm4eX_mean vs Slug



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

Left Out: -9.841 ± 2.046 χ^2/NDF : 58.8/23

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

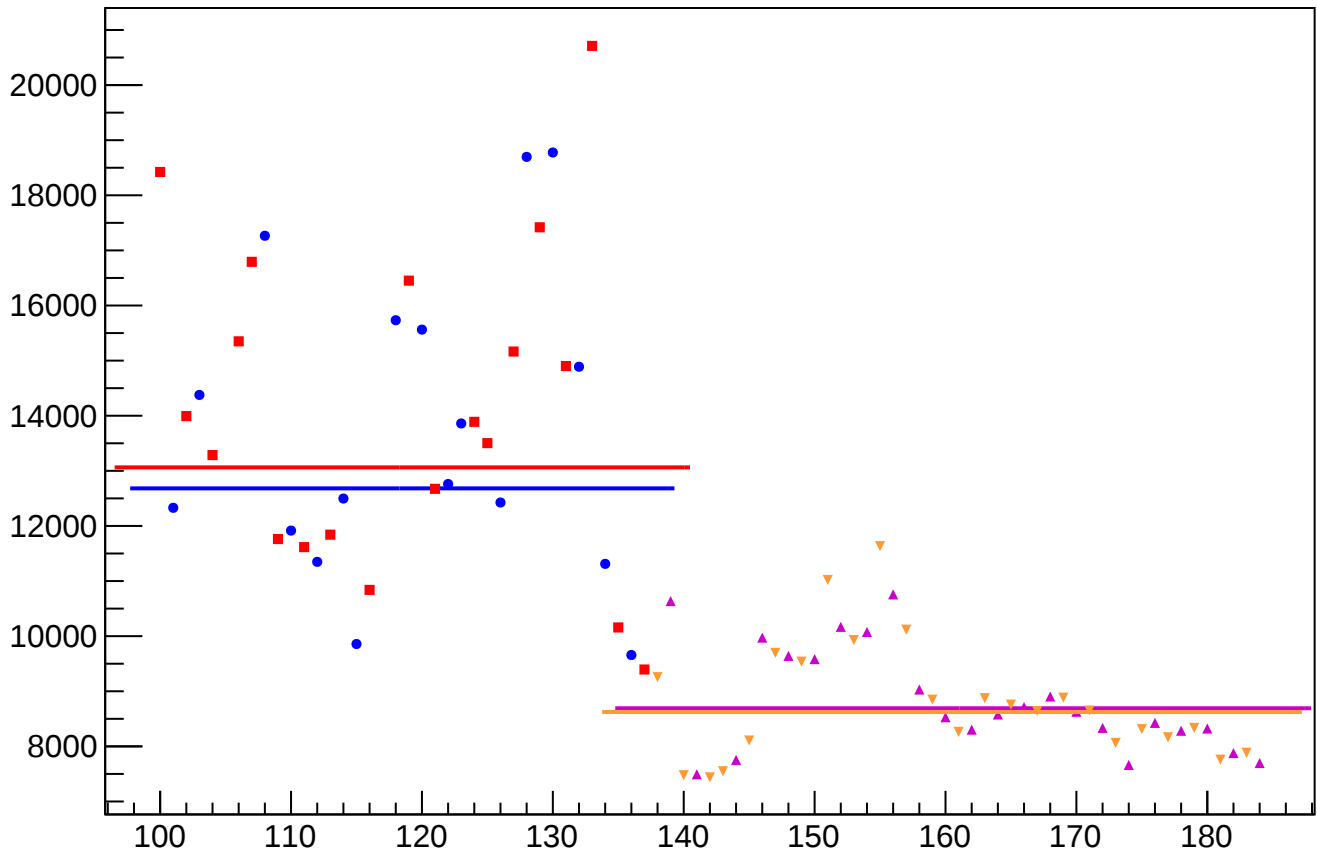
Left In: -0.344 ± 2.100 χ^2/NDF : 29.9/22

+ sign -9.361 ± 1.895 χ^2/NDF : 82.7/40

All: -5.551 ± 1.355 χ^2/NDF : 136.1/82

- sign -1.571 ± 1.937 χ^2/NDF : 45.1/41

diff_bpm4eX_rms vs Slug



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

Left Out: 8624.476+/-1.447 χ^2/NDF : 429240.4/23

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

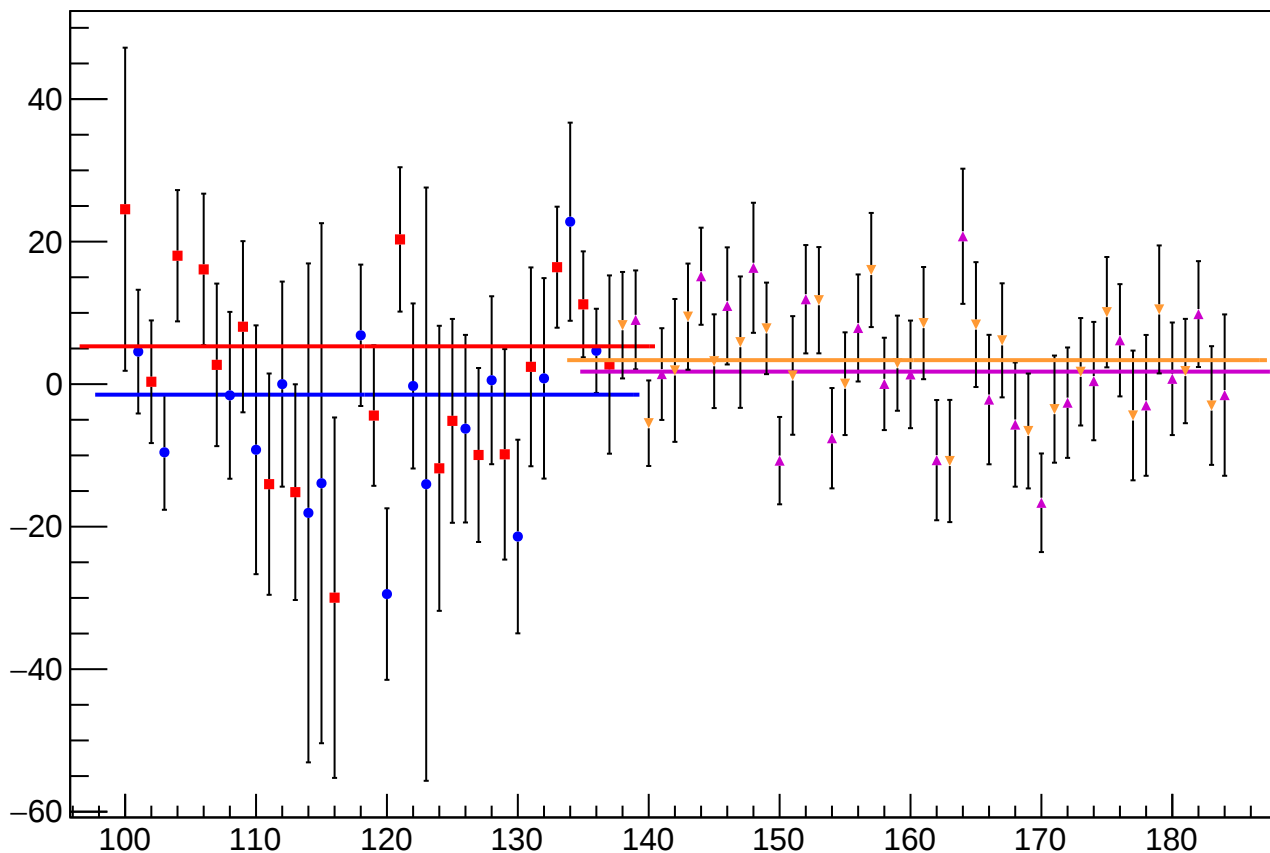
Left In: 8691.203+/-1.485 χ^2/NDF : 365254.6/22

+ sign 9200.930+/-1.340 χ^2/NDF : 2104987.4/40

All: 9271.410+/-0.958 χ^2/NDF : 4270721.2/82

- sign 9345.022+/-1.370 χ^2/NDF : 2160080.1/41

diff_bpm4eY_mean vs Slug



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

Left Out: 3.366 ± 1.570 χ^2/NDF : 16.7/23

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

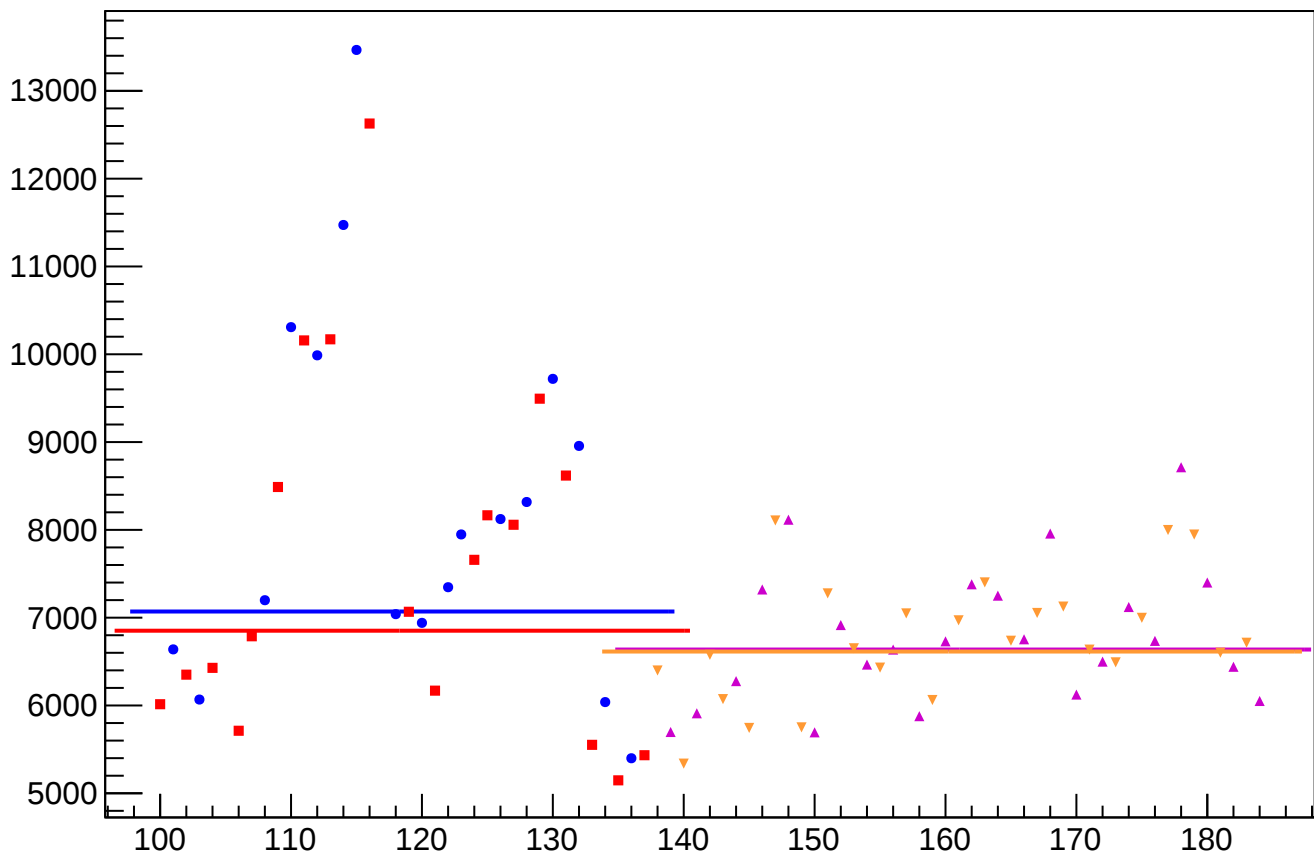
Left In: 1.756 ± 1.607 χ^2/NDF : 33.5/22

+ sign 2.205 ± 1.369 χ^2/NDF : 33.7/40

All: 2.458 ± 0.969 χ^2/NDF : 87.5/82

- sign 2.714 ± 1.373 χ^2/NDF : 53.7/41

diff_bpm4eY_rms vs Slug



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

Left Out: 6614.428+/-1.110 χ^2/NDF : 391368.0/23

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

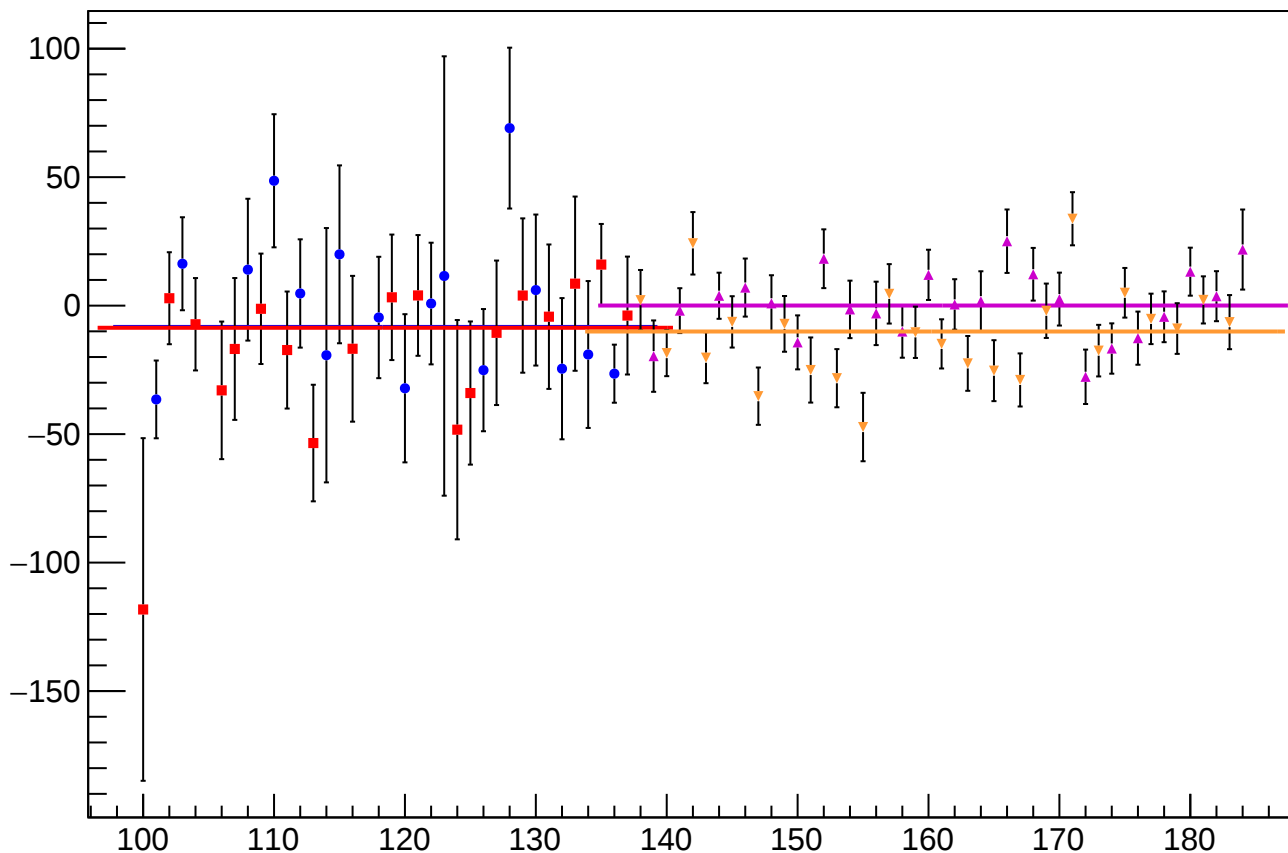
Left In: 6637.155+/-1.136 χ^2/NDF : 415547.5/22

+ sign 6723.722+/-0.968 χ^2/NDF : 1032673.1/40

All: 6709.400+/-0.686 χ^2/NDF : 2146849.1/82

- sign 6694.983+/-0.971 χ^2/NDF : 1113736.6/41

diff_bpm4acX_mean vs Slug



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

Left Out: -10.067 ± 2.147 χ^2/NDF : 60.0/23

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

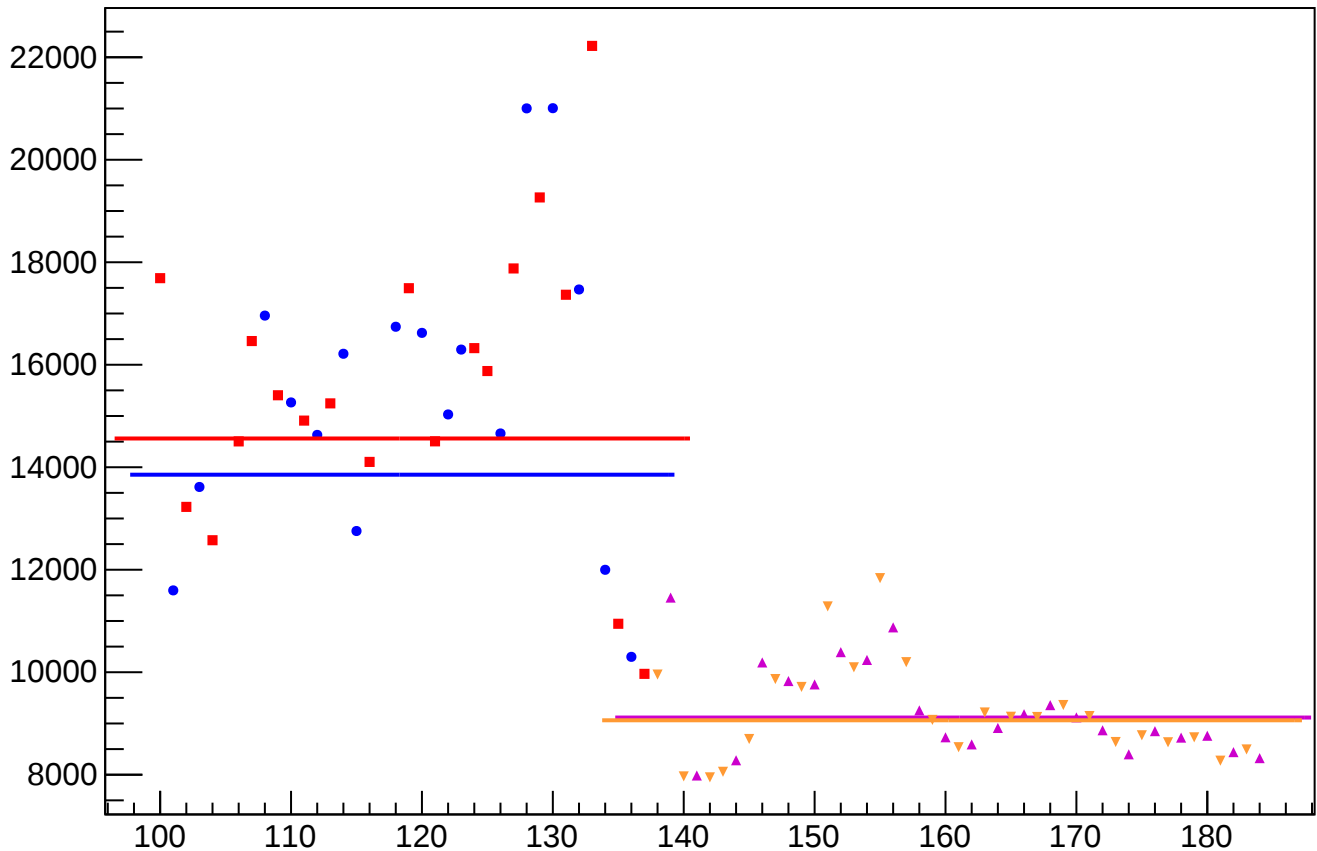
Left In: 0.042 ± 2.200 χ^2/NDF : 30.8/22

+ sign -9.833 ± 2.000 χ^2/NDF : 82.8/40

All: -5.578 ± 1.430 χ^2/NDF : 138.4/82

- sign -1.124 ± 2.047 χ^2/NDF : 46.3/41

diff_bpm4acX_rms vs Slug



Right In: 13854.498+/-3.895 χ^2/NDF : 606202.8/16

Left Out: 9062.230+/-1.518 χ^2/NDF : 323464.0/23

Right Out: 14561.025+/-3.943 χ^2/NDF : 475761.5/18

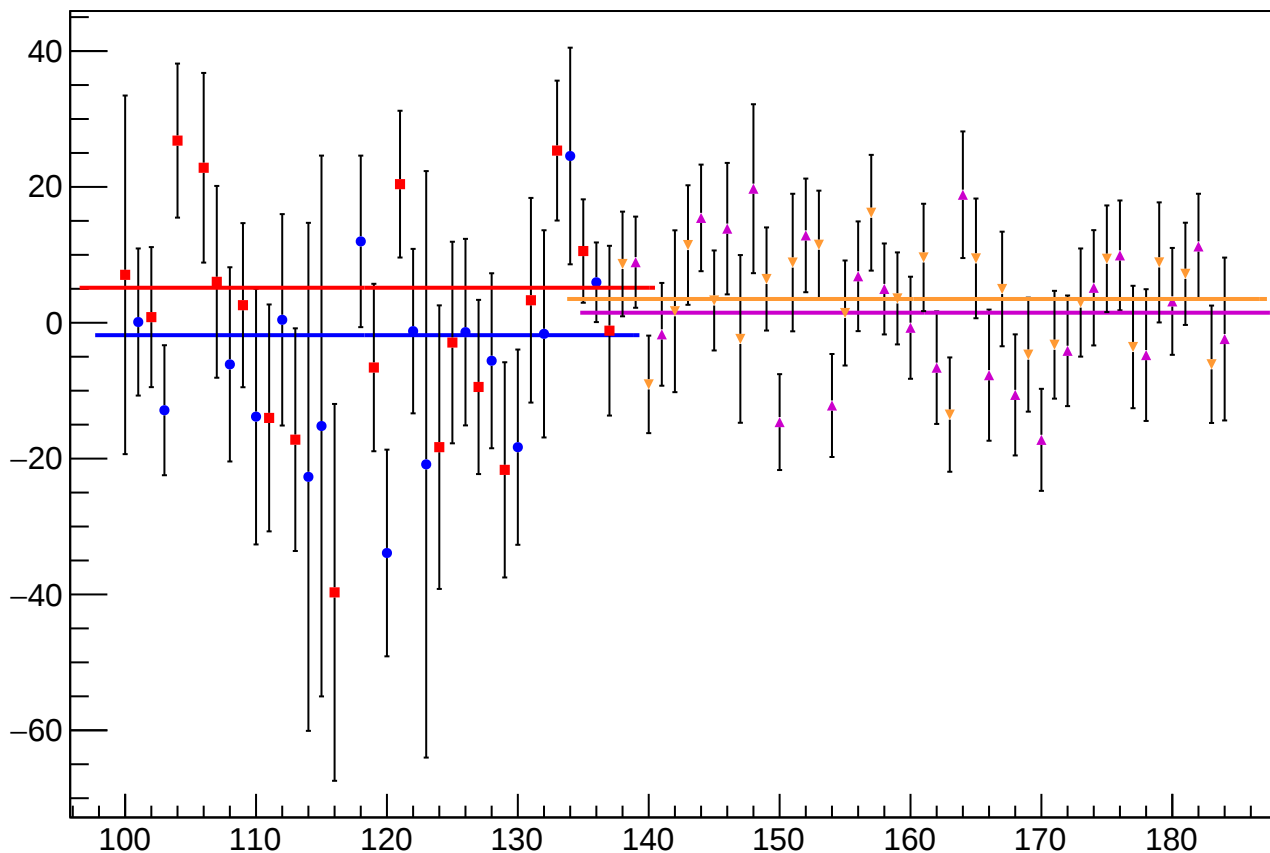
Left In: 9115.817+/-1.556 χ^2/NDF : 272471.8/22

+ sign 9694.212+/-1.414 χ^2/NDF : 2244046.6/40

All: 9770.042+/-1.011 χ^2/NDF : 4648646.1/82

- sign 9849.432+/-1.447 χ^2/NDF : 2398715.3/41

diff_bpm4acY_mean vs Slug



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

Left Out: 3.502 ± 1.686 χ^2/NDF : 18.2/23

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

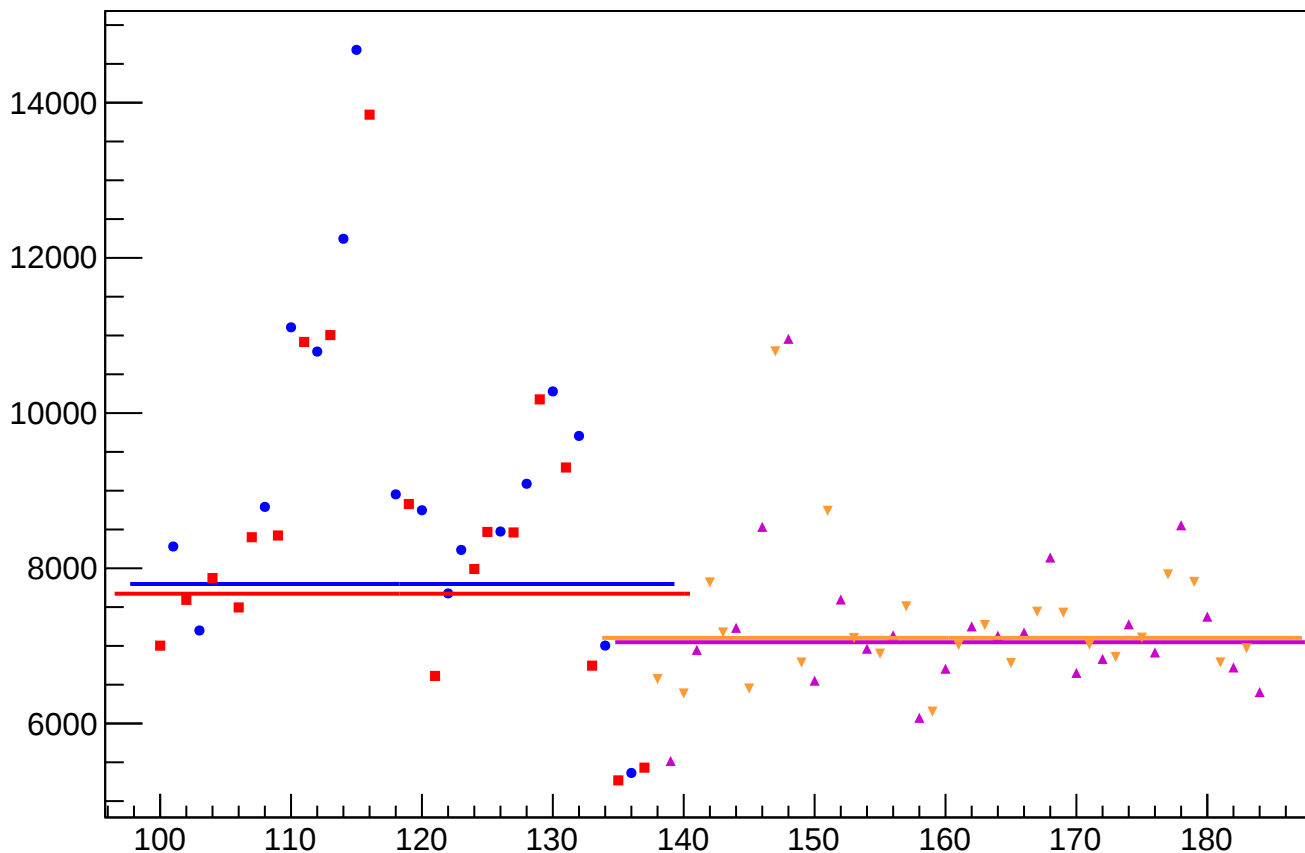
Left In: 1.479 ± 1.710 χ^2/NDF : 36.7/22

+ sign 2.285 ± 1.481 χ^2/NDF : 34.5/40

All: 2.341 ± 1.047 χ^2/NDF : 96.9/82

- sign 2.397 ± 1.481 χ^2/NDF : 62.4/41

diff_bpm4acY_rms vs Slug



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

Left Out: 7103.342 $\pm$ 1.192 χ^2 /NDF: 378228.1/23

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

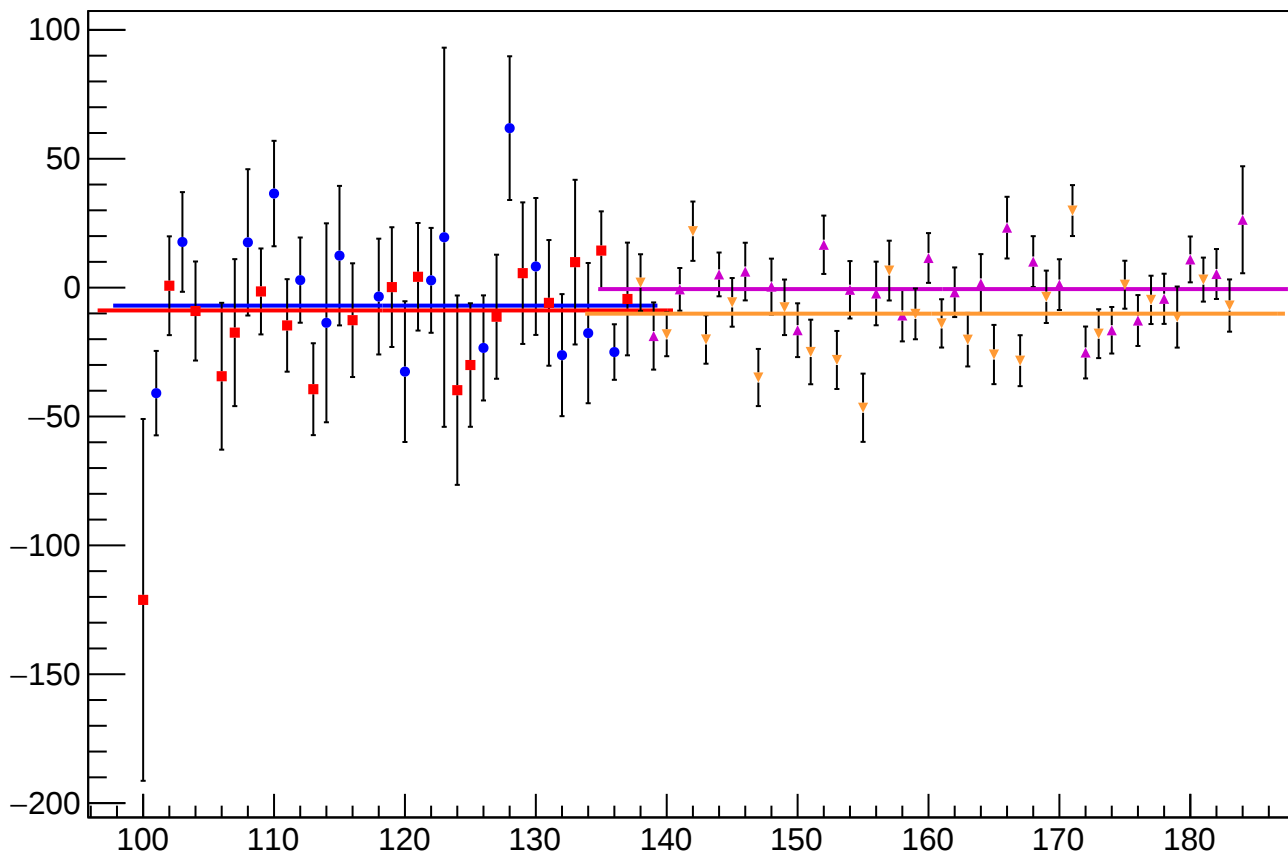
Left In: 7047.269 $\pm$ 1.209 χ^2 /NDF: 517433.5/22

+ sign 7261.977 $\pm$ 1.047 χ^2 /NDF: 1192056.1/40

All: 7232.669 $\pm$ 0.741 χ^2 /NDF: 2454470.7/82

- sign 7203.355 $\pm$ 1.048 χ^2 /NDF: 1260848.6/41

diff_bpm4ecX_mean vs Slug



Right In: -6.975 ± 5.096 χ^2/NDF : 24.0/16

Left Out: -10.100 ± 2.087 χ^2/NDF : 58.0/23

Right Out: -8.848 ± 5.080 χ^2/NDF : 12.0/18

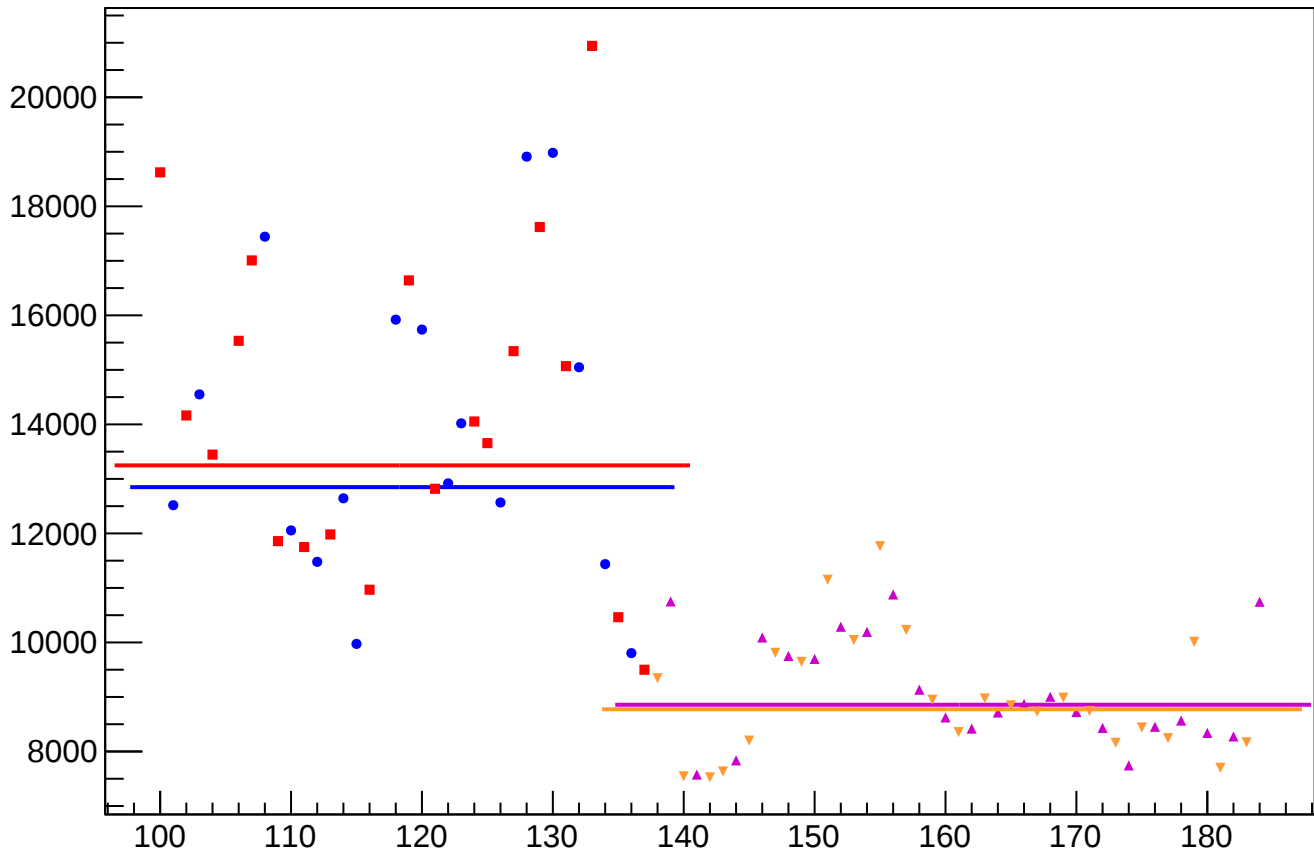
Left In: -0.564 ± 2.144 χ^2/NDF : 29.7/22

+ sign -9.651 ± 1.931 χ^2/NDF : 82.4/40

All: -5.822 ± 1.381 χ^2/NDF : 134.4/82

- sign -1.816 ± 1.975 χ^2/NDF : 44.0/41

diff_bpm4ecX_rms vs Slug



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

Left Out: 8774.319+/-1.476 χ^2/NDF : 453389.8/23

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

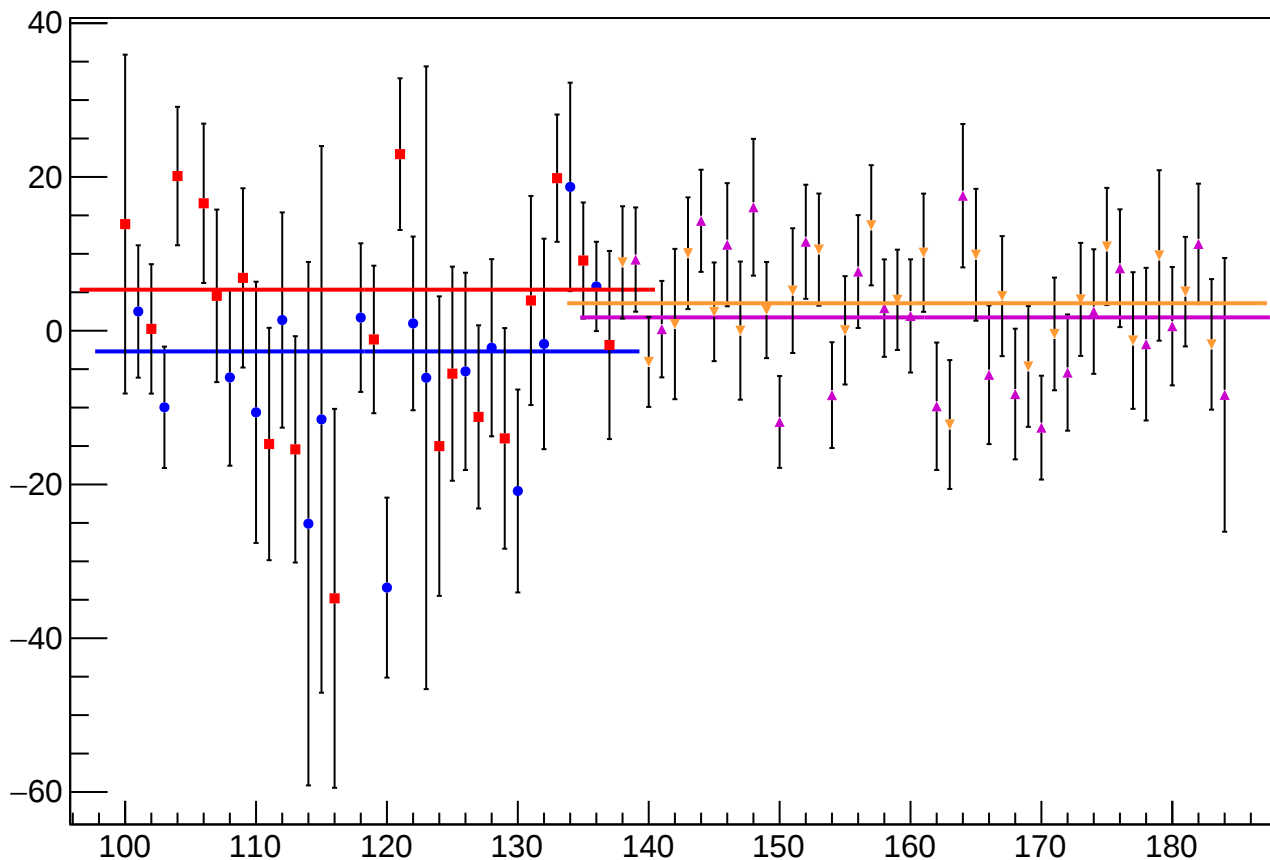
Left In: 8857.329+/-1.516 χ^2/NDF : 361778.8/22

+ sign 9359.444+/-1.366 χ^2/NDF : 2100486.1/40

All: 9438.410+/-0.976 χ^2/NDF : 4224582.1/82

- sign 9521.004+/-1.397 χ^2/NDF : 2117254.3/41

diff_bpm4ecY_mean vs Slug



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

Left Out: 3.573 ± 1.544 χ^2/NDF : 14.4/23

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

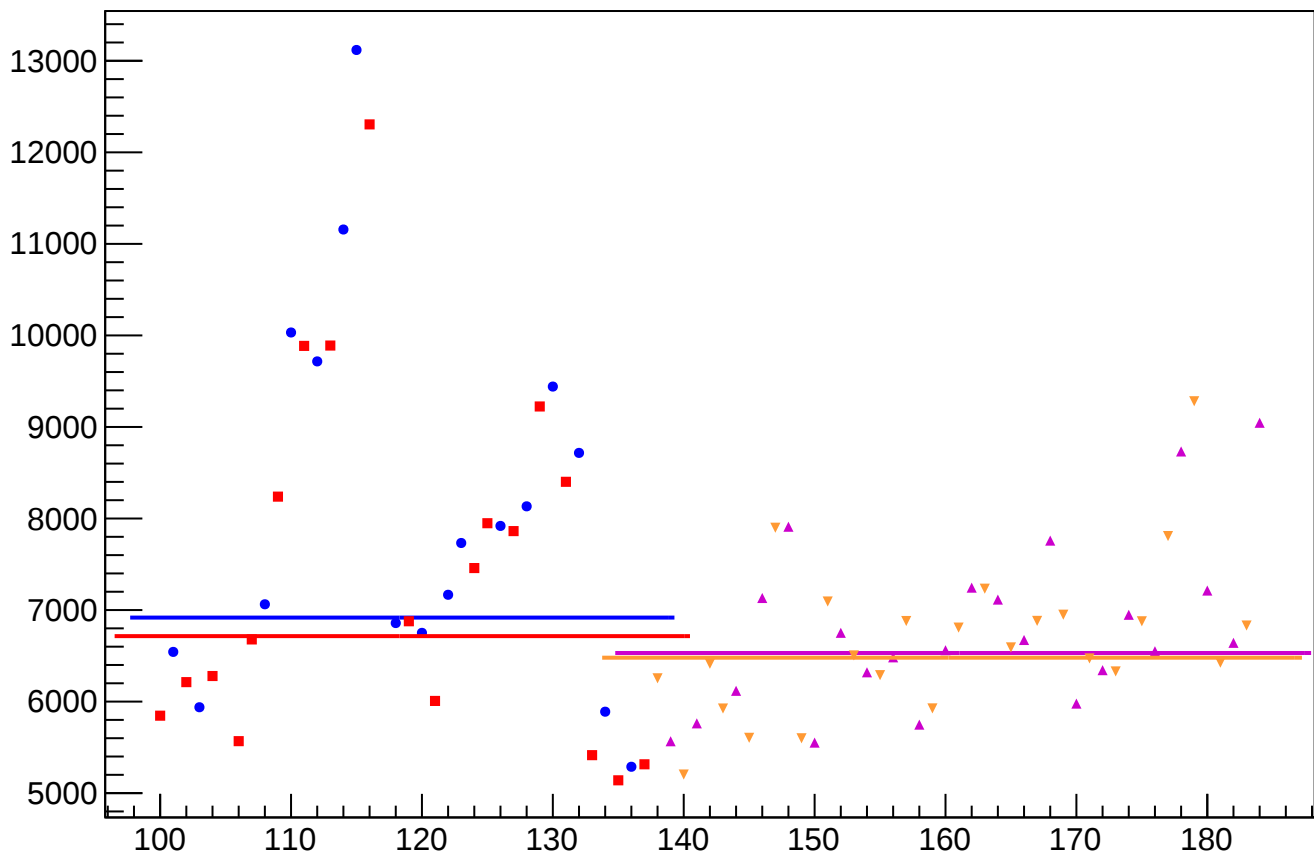
Left In: 1.734 ± 1.586 χ^2/NDF : 33.6/22

+ sign 2.061 ± 1.344 χ^2/NDF : 34.3/40

All: 2.386 ± 0.954 χ^2/NDF : 93.0/82

- sign 2.716 ± 1.353 χ^2/NDF : 58.6/41

diff_bpm4ecY_rms vs Slug



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

Left Out: 6479.567+/-1.092 χ^2/NDF : 483122.2/23

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

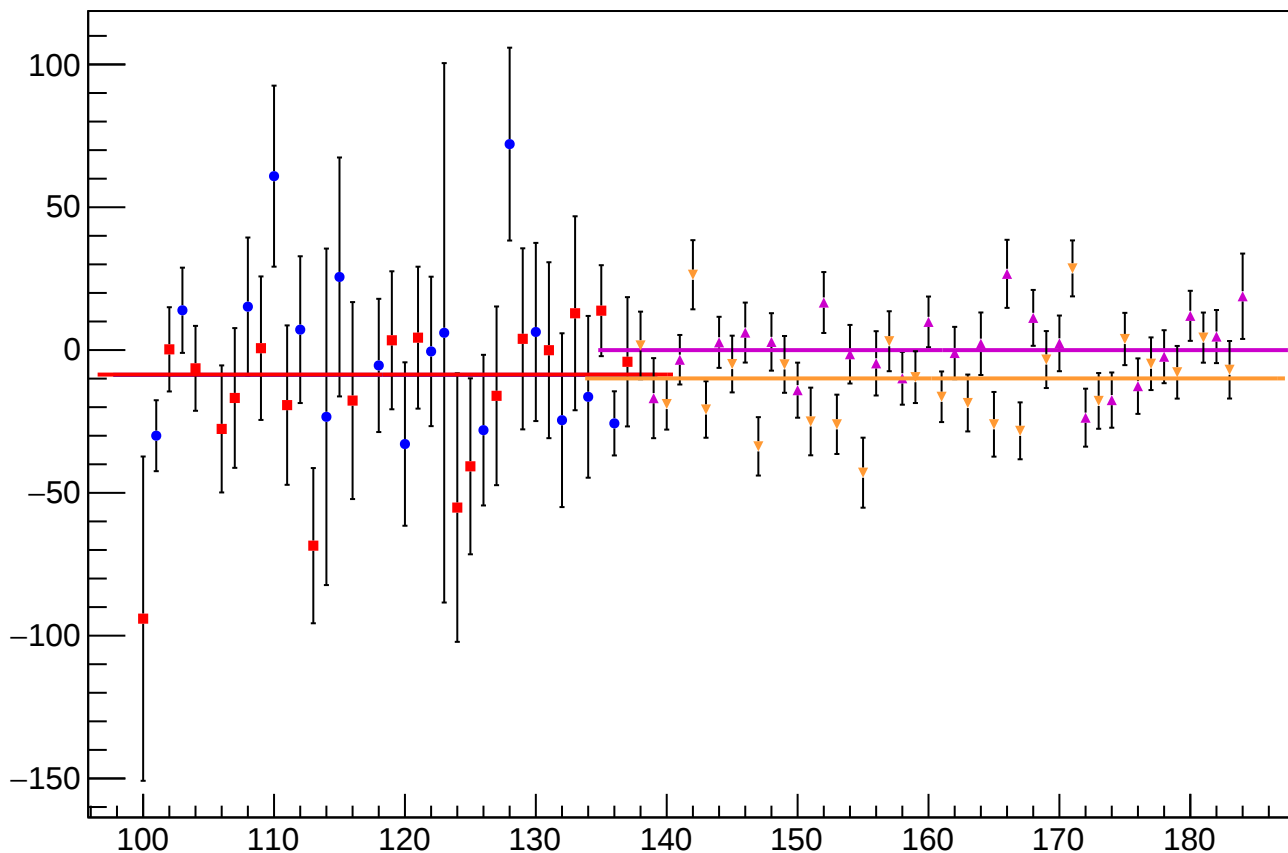
Left In: 6530.954+/-1.121 χ^2/NDF : 464668.6/22

+ sign 6585.332+/-0.951 χ^2/NDF : 1109181.7/40

All: 6583.228+/-0.674 χ^2/NDF : 2241211.1/82

- sign 6581.097+/-0.957 χ^2/NDF : 1132019.5/41

diff_bpm1X_mean vs Slug



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

Left Out: -9.932 ± 2.038 χ^2/NDF : 59.5/23

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

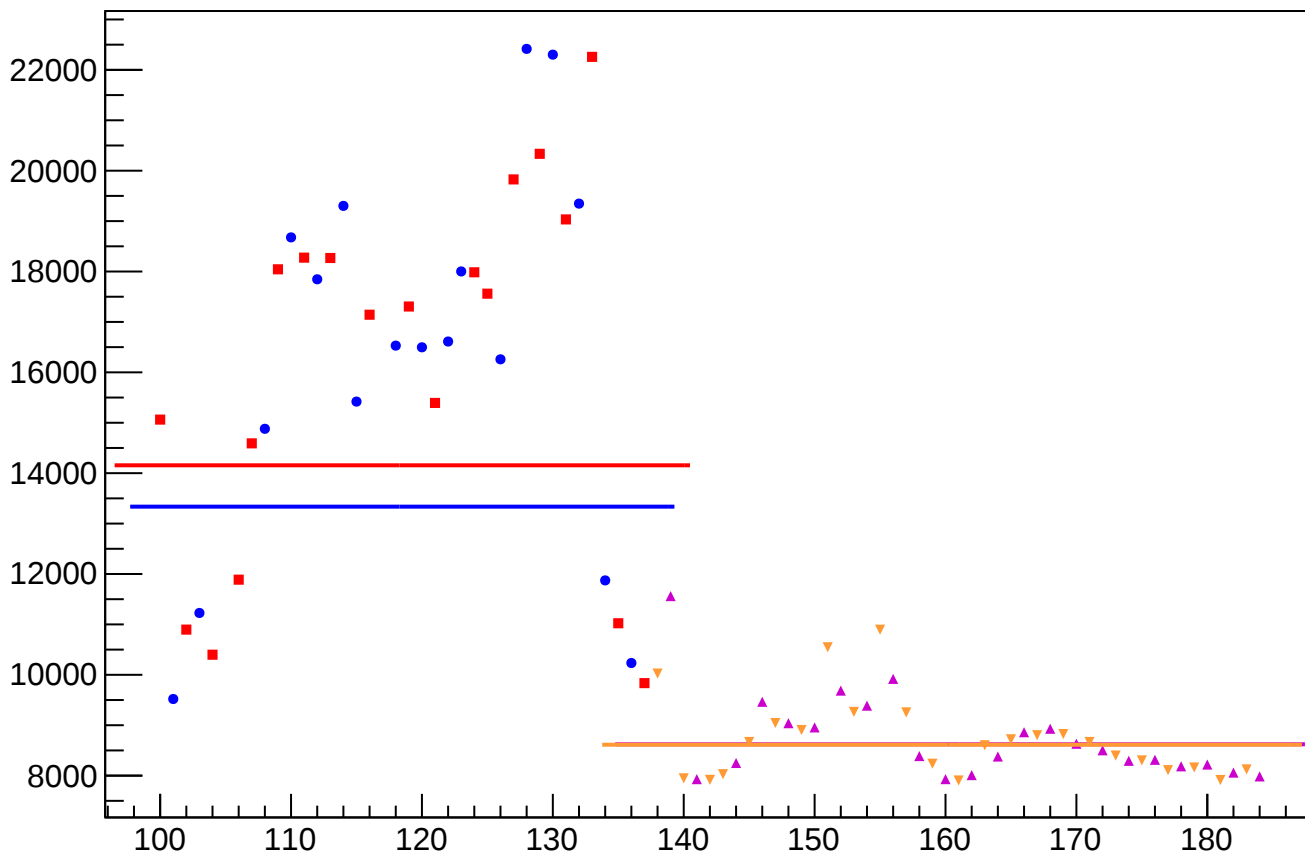
Left In: -0.027 ± 2.080 χ^2/NDF : 29.9/22

+ sign -9.777 ± 1.907 χ^2/NDF : 81.7/40

All: -5.523 ± 1.362 χ^2/NDF : 137.8/82

- sign -1.092 ± 1.946 χ^2/NDF : 46.0/41

diff_bpm1X_rms vs Slug



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

Left Out: 8613.472+/-1.441 χ^2/NDF :246031.6/23

+ sign 9202.021+/-1.348 χ^2/NDF : 2633569.8/40

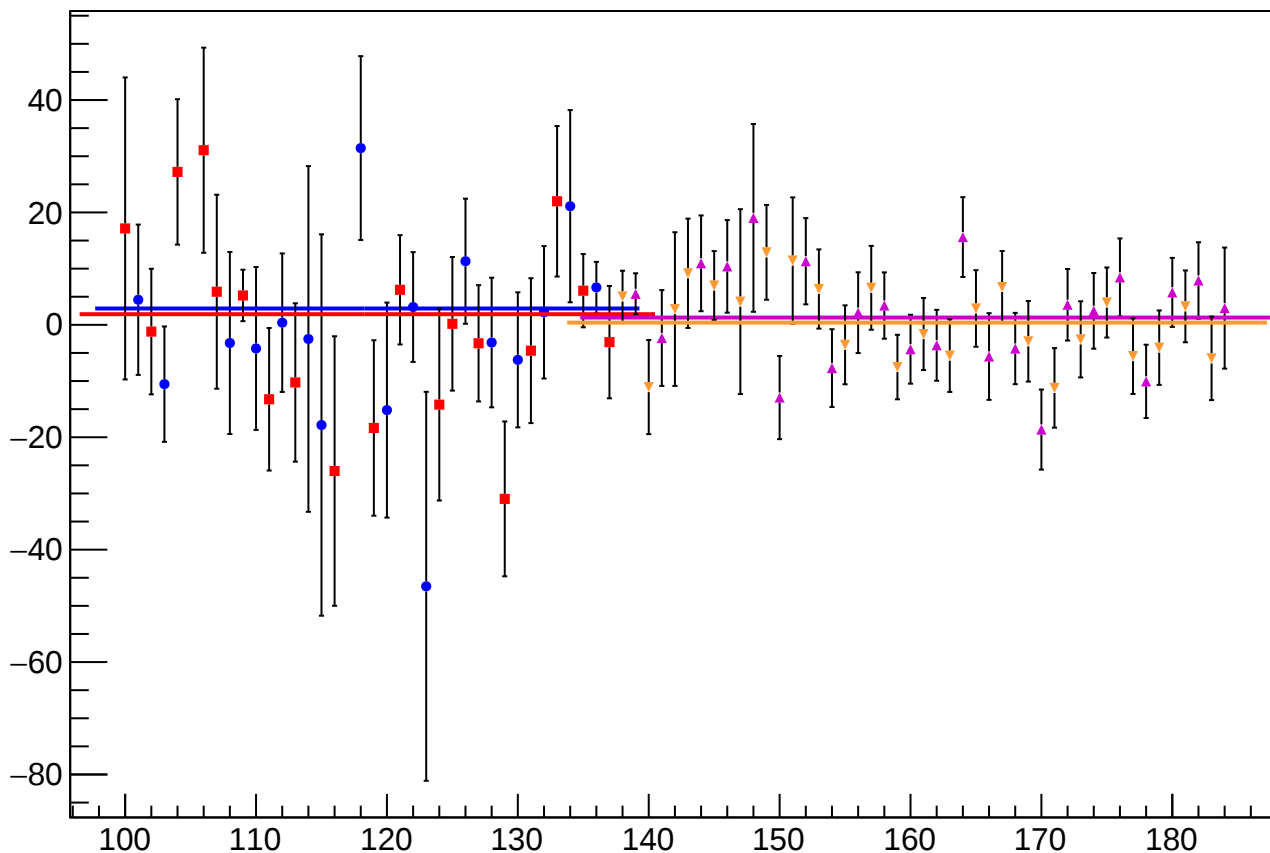
Right Out: 14155.967+/-3.901 χ^2/NDF : 932431.0/18

All: 9255.290+/-0.963 χ^2/NDF : 5562386.0/82

- sign 9310.778+/-1.376 χ^2/NDF : 2925629.4/41

Left In: 8621.975+/-1.471 χ^2/NDF :230824.4/22

diff_bpm1Y_mean vs Slug



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

Left Out: 0.396 ± 1.432 χ^2/NDF : 19.4/23

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

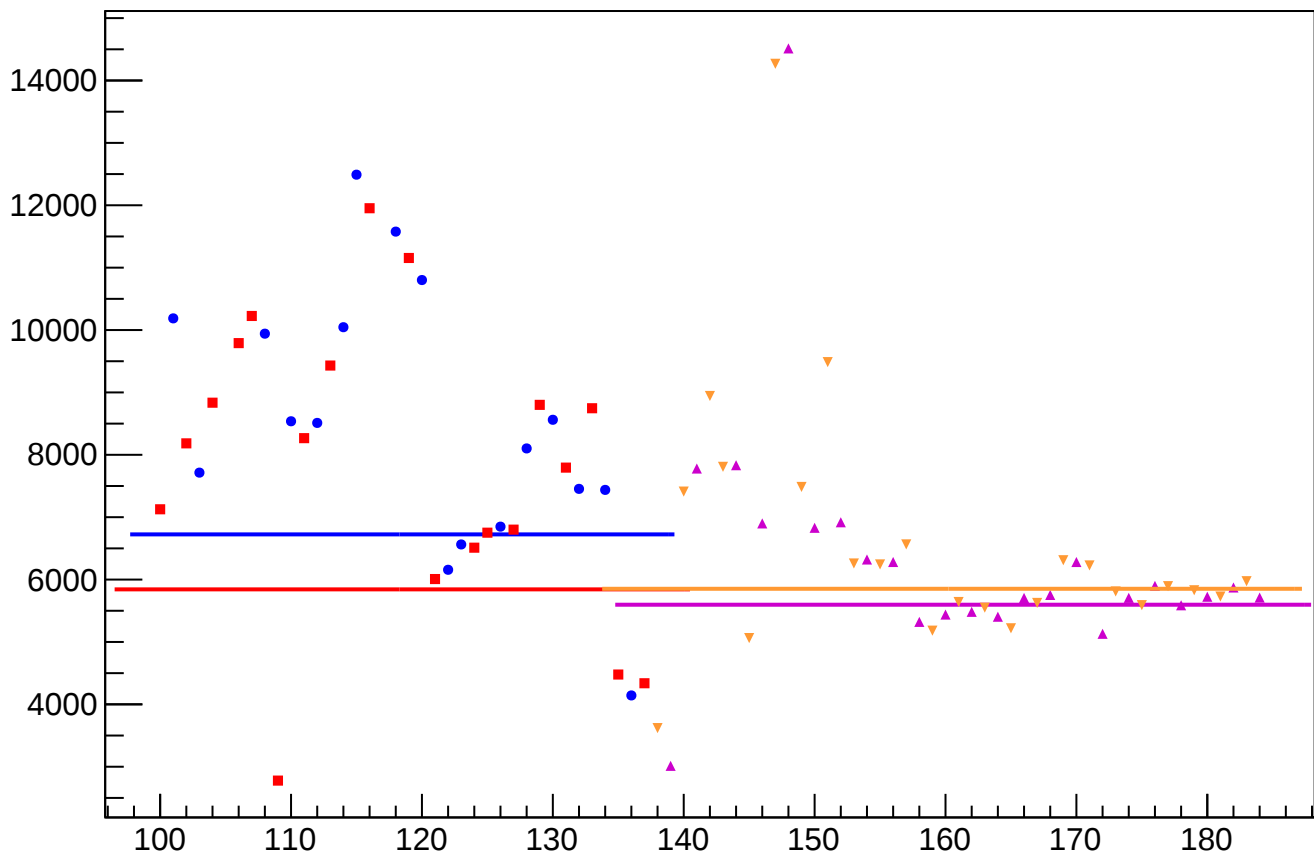
Left In: 1.298 ± 1.406 χ^2/NDF : 33.0/22

+ sign 0.930 ± 1.271 χ^2/NDF : 31.8/40

All: 1.199 ± 0.880 χ^2/NDF : 87.8/82

- sign 1.446 ± 1.219 χ^2/NDF : 55.9/41

diff_bpm1Y_rms vs Slug



Right In: 6724.403+/-1.950 χ^2/NDF : 1391680.1/16

Left Out: 5852.383+/-1.013 χ^2/NDF : 1672211.1/23

Right Out: 5843.007+/-1.728 χ^2/NDF : 2280742.0/18

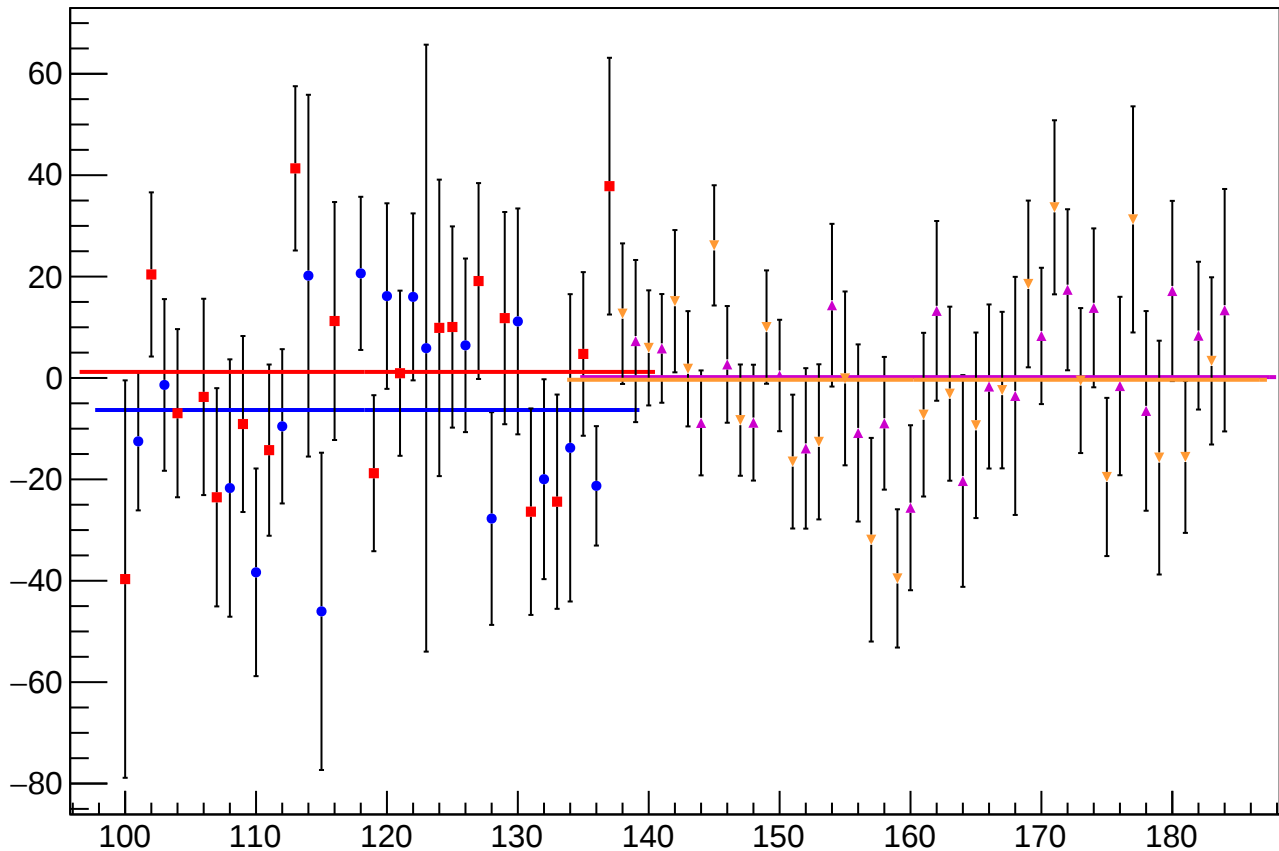
Left In: 5596.879+/-0.994 χ^2/NDF : 2089750.1/22

+ sign 6037.600+/-0.899 χ^2/NDF : 3221399.7/40

All: 5839.916+/-0.622 χ^2/NDF : 7700022.9/82

- sign 5658.098+/-0.862 χ^2/NDF : 4385731.6/41

diff_bpm11X_mean vs Slug



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

Left Out: -0.353 ± 2.975 χ^2/NDF : 32.5/23

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

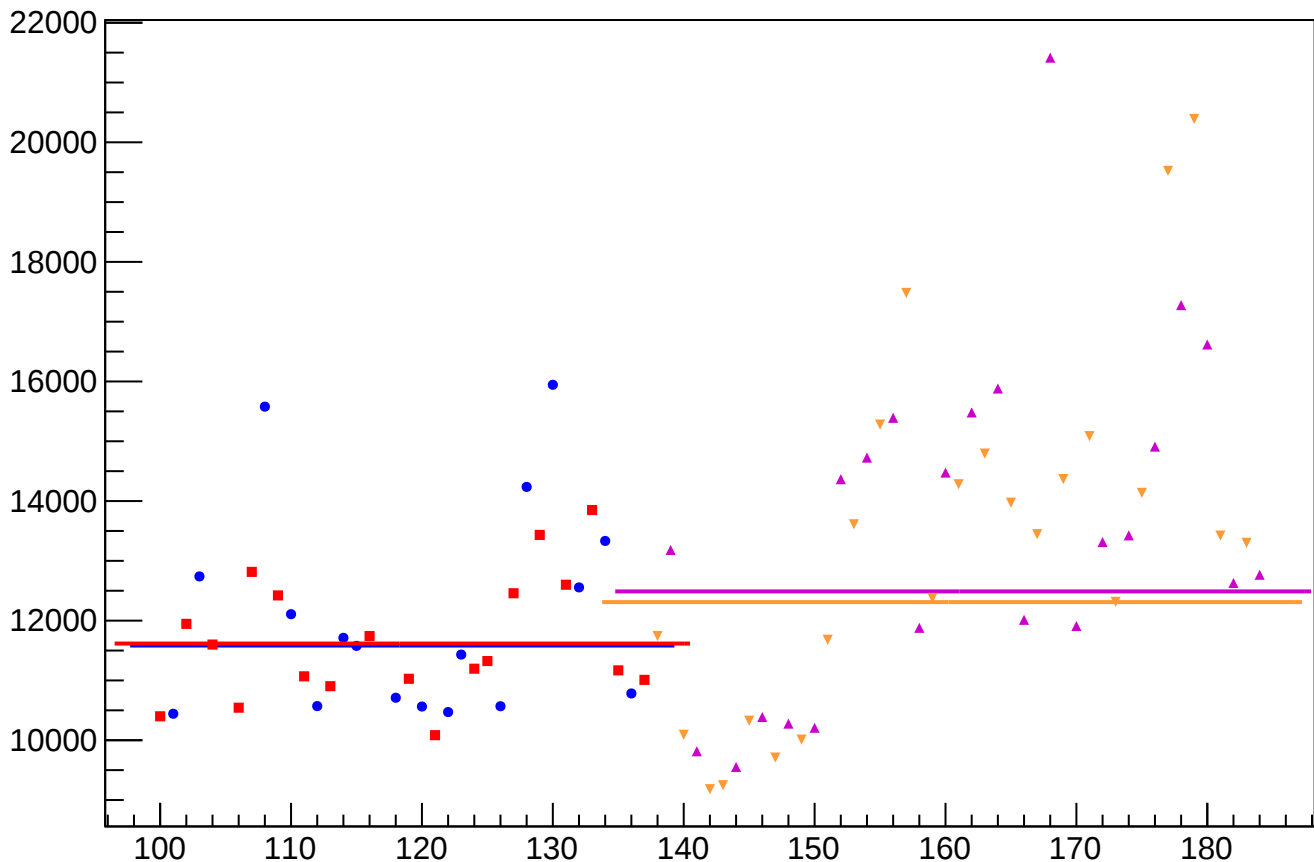
Left In: 0.172 ± 3.067 χ^2/NDF : 12.4/22

+ sign -2.153 ± 2.486 χ^2/NDF : 49.9/40

All: -0.836 ± 1.767 χ^2/NDF : 83.0/82

- sign 0.509 ± 2.513 χ^2/NDF : 32.6/41

diff_bpm11X_rms vs Slug



Right In: 11584.044+/-3.200 χ^2/NDF : 241550.8/16

Left Out: 12310.059+/-2.104 χ^2/NDF : 1471597.8/23

Right Out: 11616.845+/-3.098 χ^2/NDF : 95463.1/18

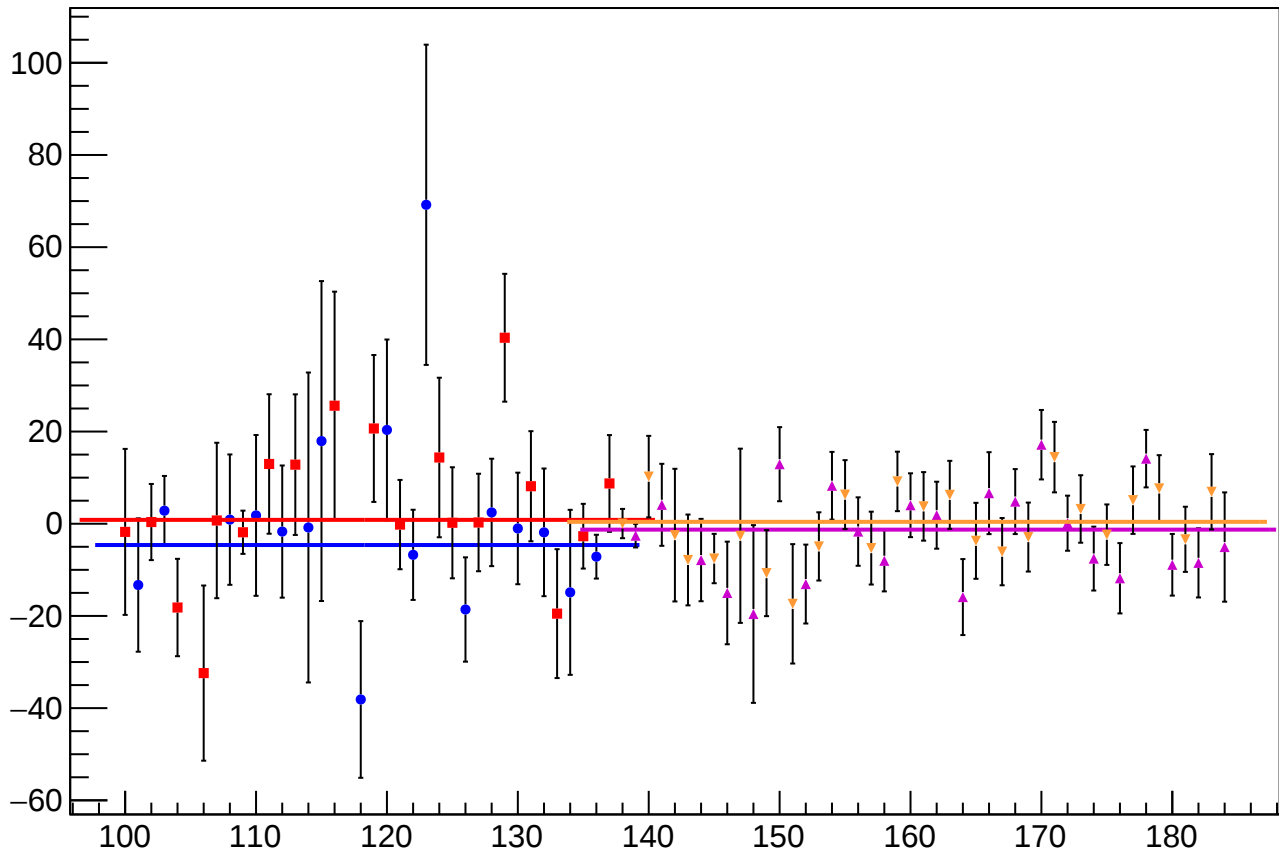
Left In: 12488.821+/-2.169 χ^2/NDF : 1354485.4/22

+ sign 12090.929+/-1.758 χ^2/NDF : 1749095.1/40

All: 12145.897+/-1.250 χ^2/NDF : 3254176.9/8

- sign 12202.059+/-1.777 χ^2/NDF : 1503104.9/41

diff_bpm11Y_mean vs Slug



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

Left Out: 0.415 ± 1.446 χ^2/NDF : 19.2/23

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

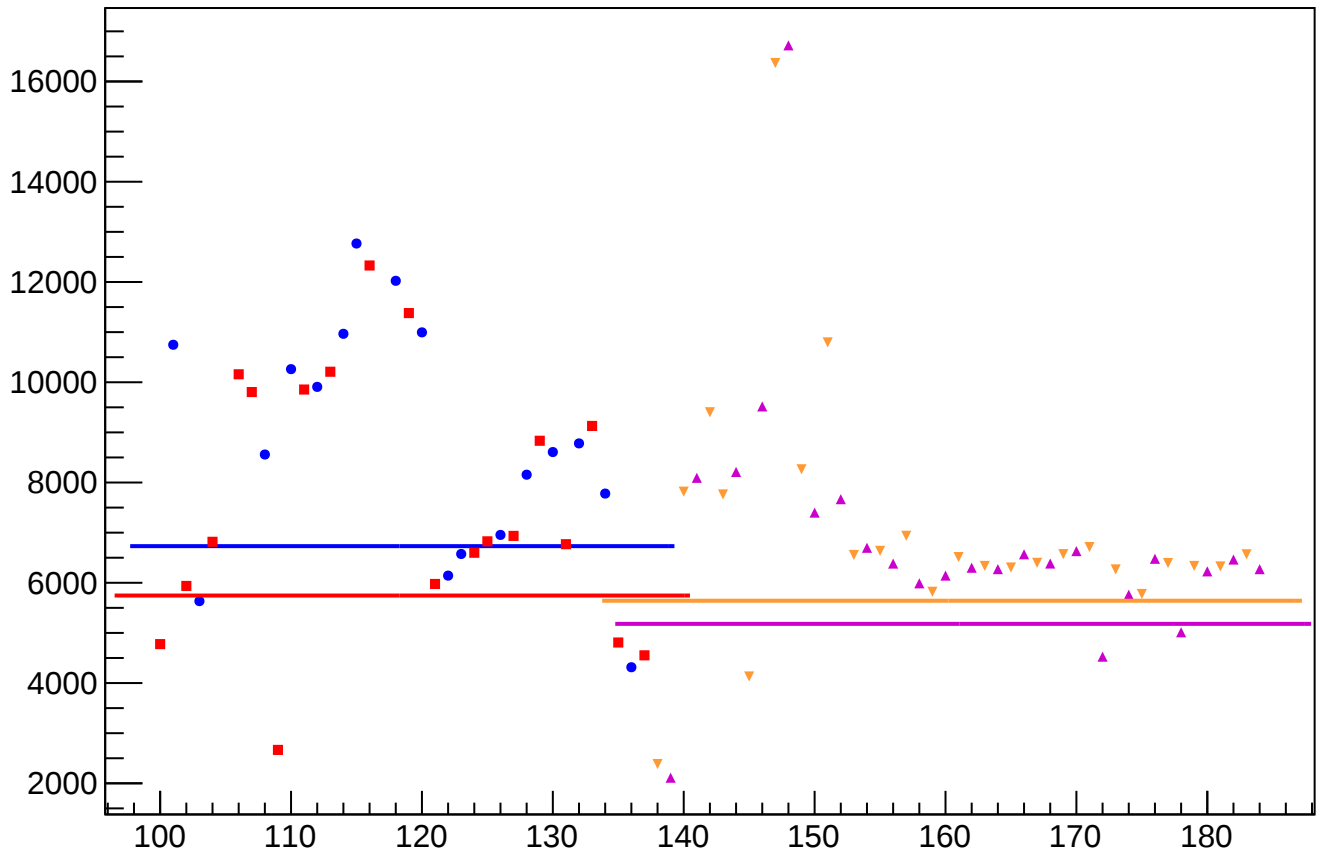
Left In: -1.278 ± 1.386 χ^2/NDF : 34.0/22

+ sign -0.656 ± 1.283 χ^2/NDF : 36.5/40

All: -0.711 ± 0.878 χ^2/NDF : 93.6/82

- sign -0.759 ± 1.204 χ^2/NDF : 57.1/41

diff_bpm11Y_rms vs Slug



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

Left Out: 5642.042+/-1.023 χ^2/NDF : 4100183.0/23

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

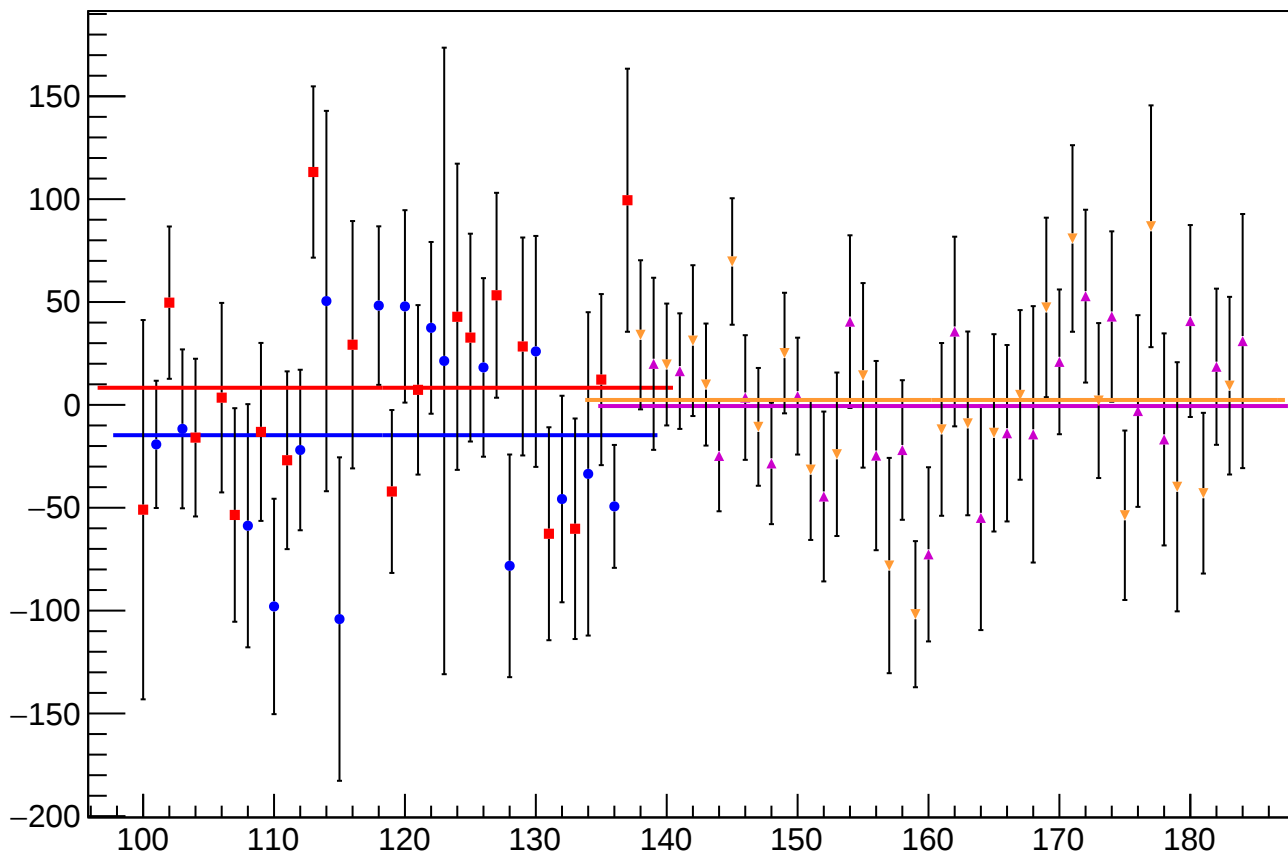
Left In: 5180.743+/-0.980 χ^2/NDF : 5350053.6/22

+ sign 5873.761+/-0.907 χ^2/NDF : 5785978.2/40

All: 5578.851+/-0.621 χ^2/NDF : 13580784.8/8

- sign 5319.324+/-0.851 χ^2/NDF : 7596229.2/41

diff_bpm12X_mean vs Slug



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

Left Out: 2.392 ± 7.780 $\chi^2/\text{NDF}: 30.0/23$

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

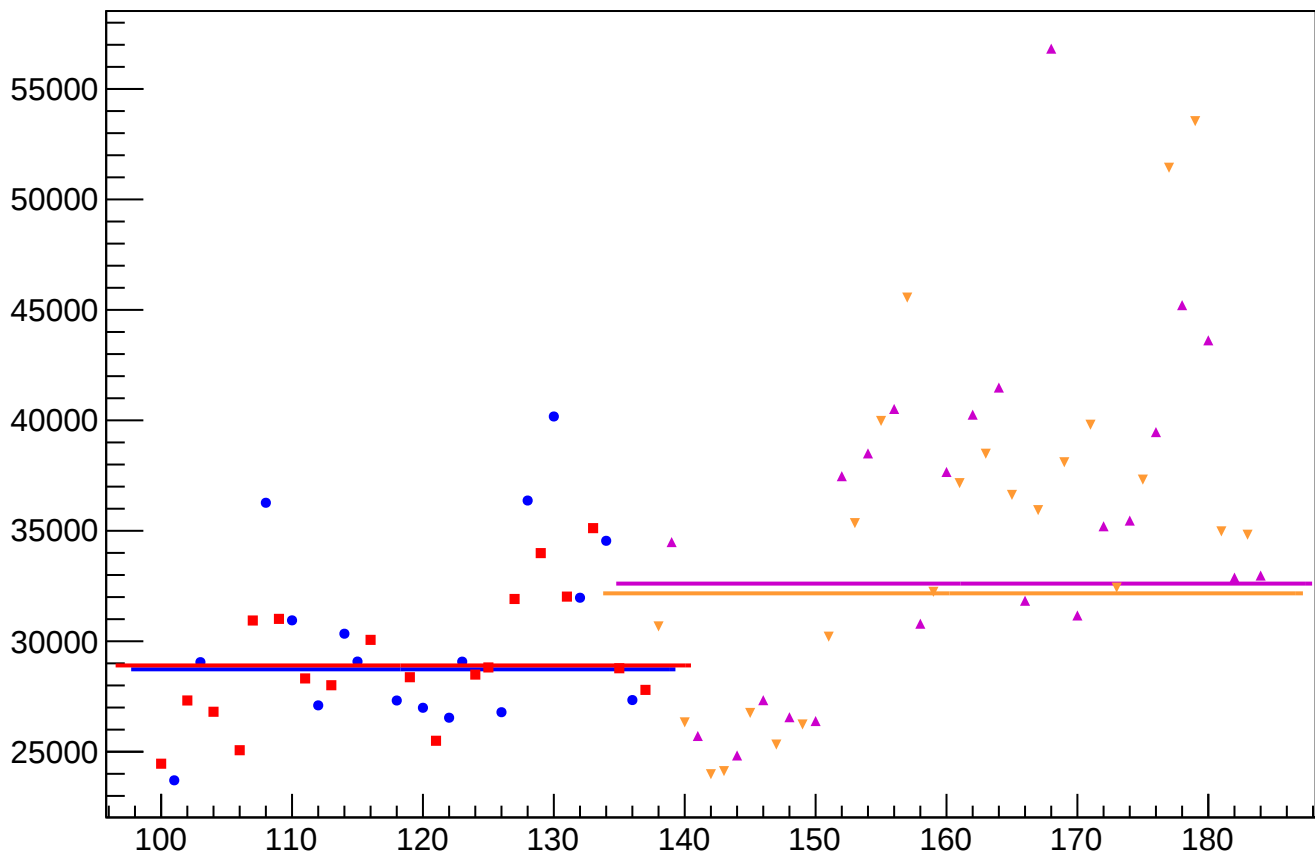
Left In: -0.565 ± 8.015 $\chi^2/\text{NDF}: 14.3/22$

+ sign -3.158 ± 6.397 $\chi^2/\text{NDF}: 46.8/40$

All: -0.332 ± 4.545 $\chi^2/\text{NDF}: 81.4/82$

- sign 2.550 ± 6.460 $\chi^2/\text{NDF}: 34.2/41$

diff_bpm12X_rms vs Slug



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

Left Out: 32168.880 $\pm$ 5.501 χ^2 /NDF:1506550.3/23

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

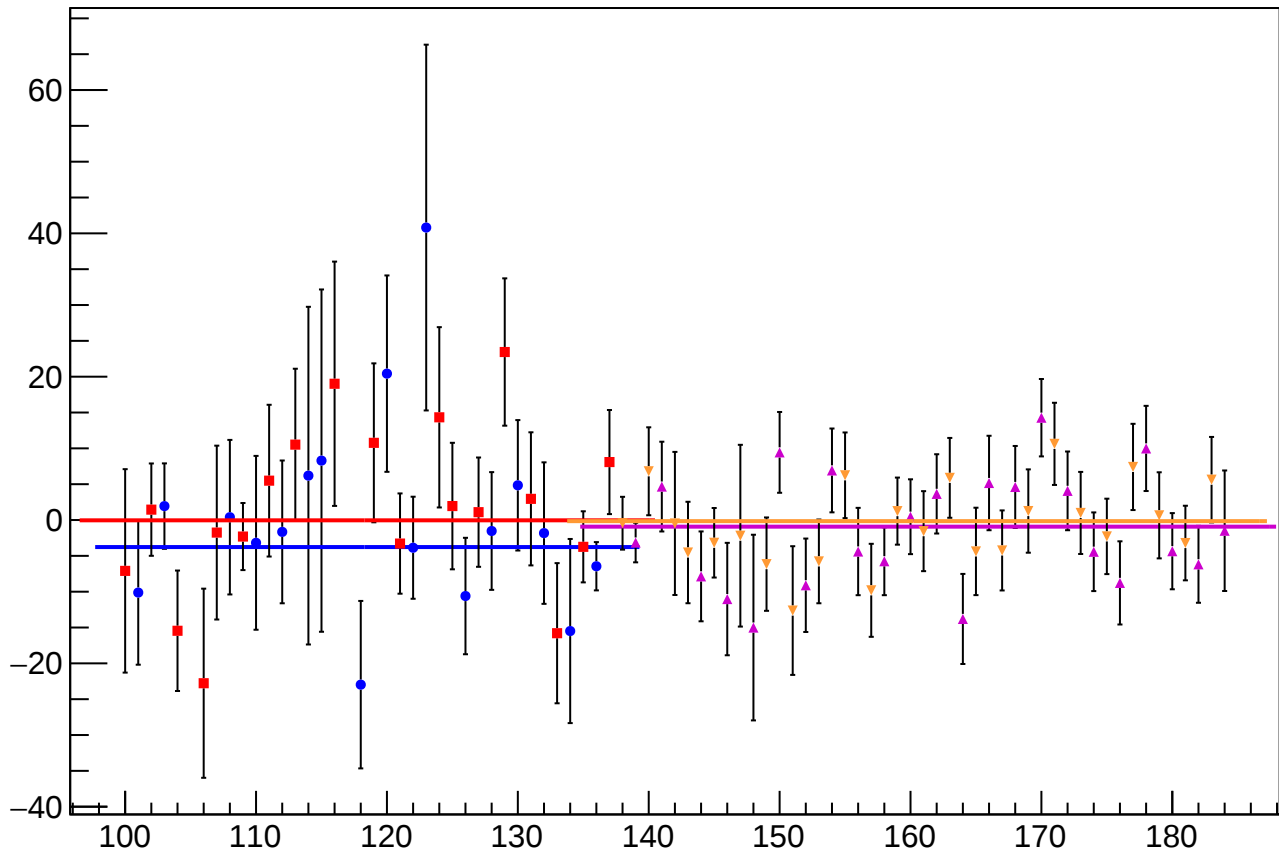
Left In: 32610.108 $\pm$ 5.667 χ^2 /NDF:1398475.8/22

+ sign 31054.522 $\pm$ 4.523 χ^2 /NDF: 1887990.6/40

All: 31182.053 $\pm$ 3.214 χ^2 /NDF: 3550453.4/80

- sign 31312.109 $\pm$ 4.568 χ^2 /NDF: 1660857.1/41

diff_bpm12Y_mean vs Slug



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

Left Out: -0.157 ± 1.185 χ^2/NDF : 18.2/23

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

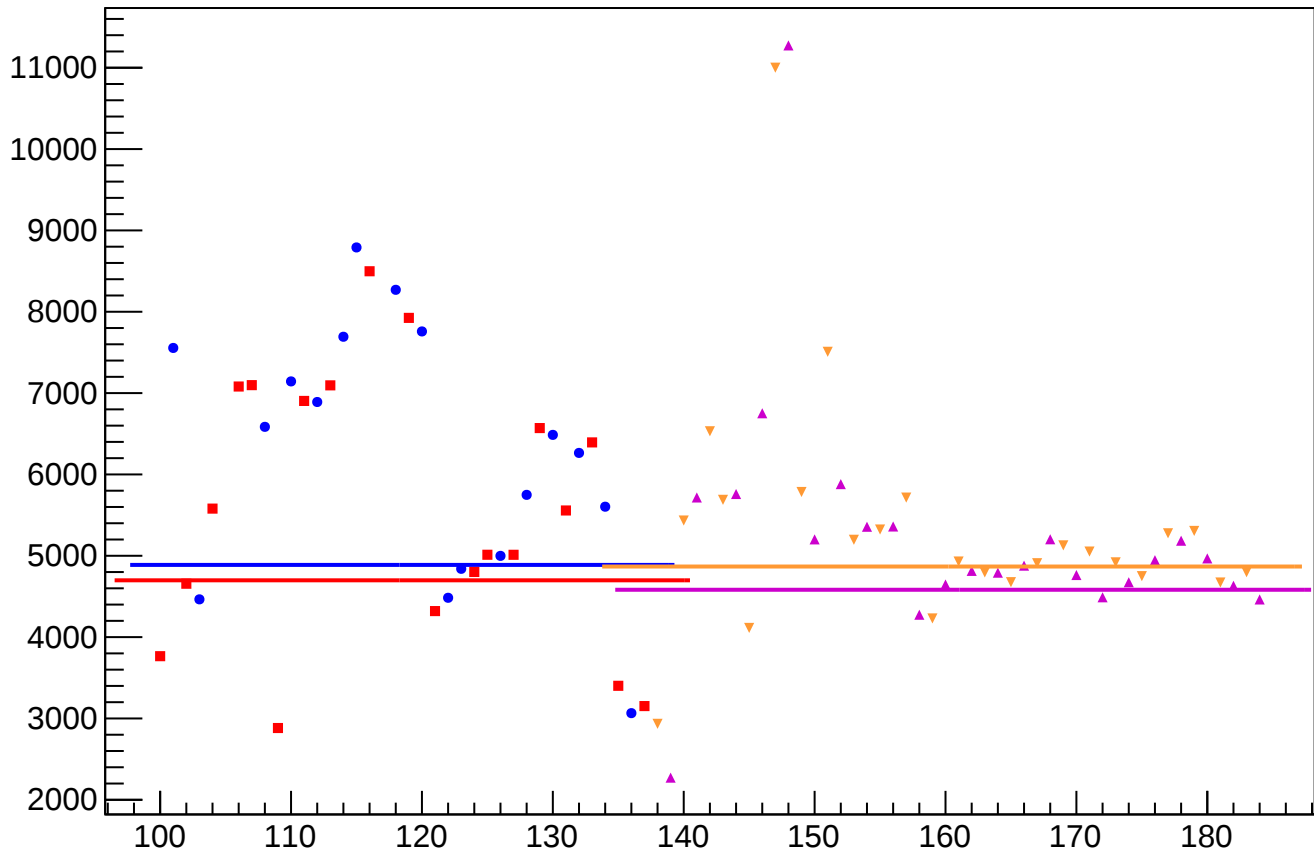
Left In: -0.925 ± 1.154 χ^2/NDF : 36.1/22

+ sign -1.090 ± 1.021 χ^2/NDF : 34.6/40

All: -0.881 ± 0.709 χ^2/NDF : 92.6/82

- sign -0.686 ± 0.985 χ^2/NDF : 57.9/41

diff_bpm12Y_rms vs Slug



Right In: 4887.759+/-1.421 χ^2/NDF : 1408633.3/16

Left Out: 4867.853+/-0.838 χ^2/NDF : 1501130.5/23

Right Out: 4698.374+/-1.339 χ^2/NDF : 1316063.8/18

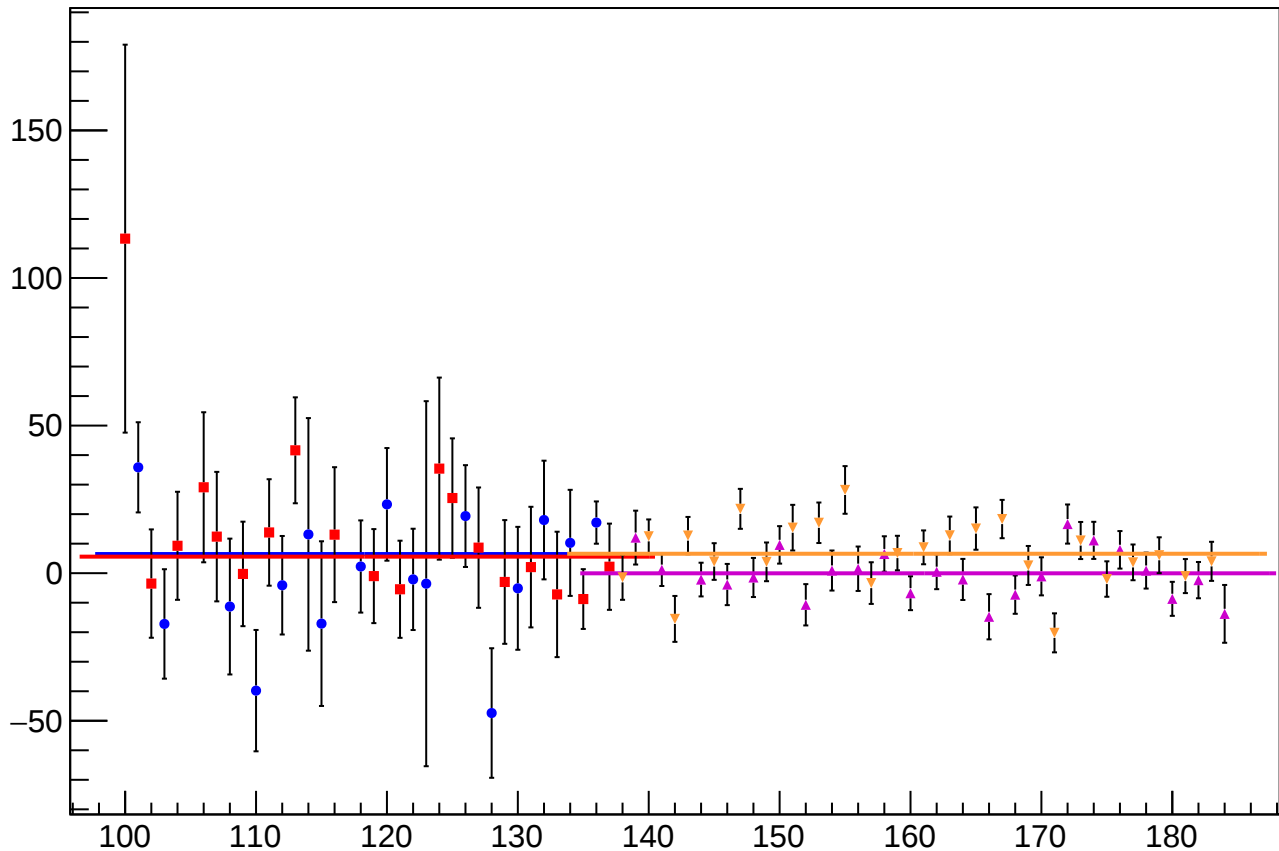
Left In: 4582.193+/-0.816 χ^2/NDF : 2478681.0/22

+ sign 4872.988+/-0.722 χ^2/NDF : 2909909.3/40

All: 4738.707+/-0.501 χ^2/NDF : 6776968.9/82

- sign 4613.634+/-0.697 χ^2/NDF : 3800233.5/41

diff_bpm16X_mean vs Slug



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

Left Out: 6.581 ± 1.327 χ^2/NDF : 56.6/23

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

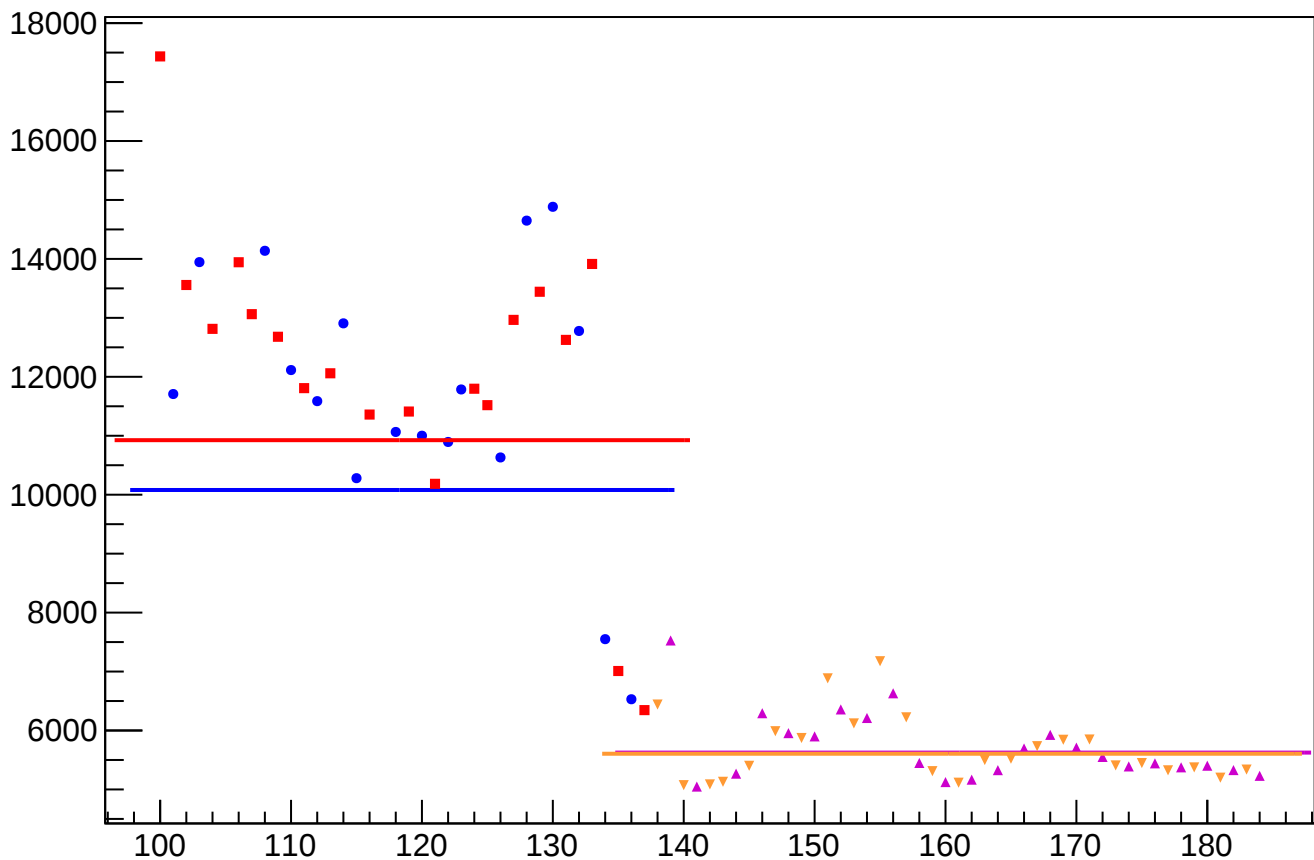
Left In: -0.044 ± 1.358 χ^2/NDF : 30.0/22

+ sign 6.572 ± 1.262 χ^2/NDF : 79.4/40

All: 3.601 ± 0.903 χ^2/NDF : 135.9/82

- sign 0.484 ± 1.293 χ^2/NDF : 45.2/41

diff_bpm16X_rms vs Slug



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

Left Out: 5605.709 $\pm$ 0.939 χ^2 /NDF: 280927.4/23

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

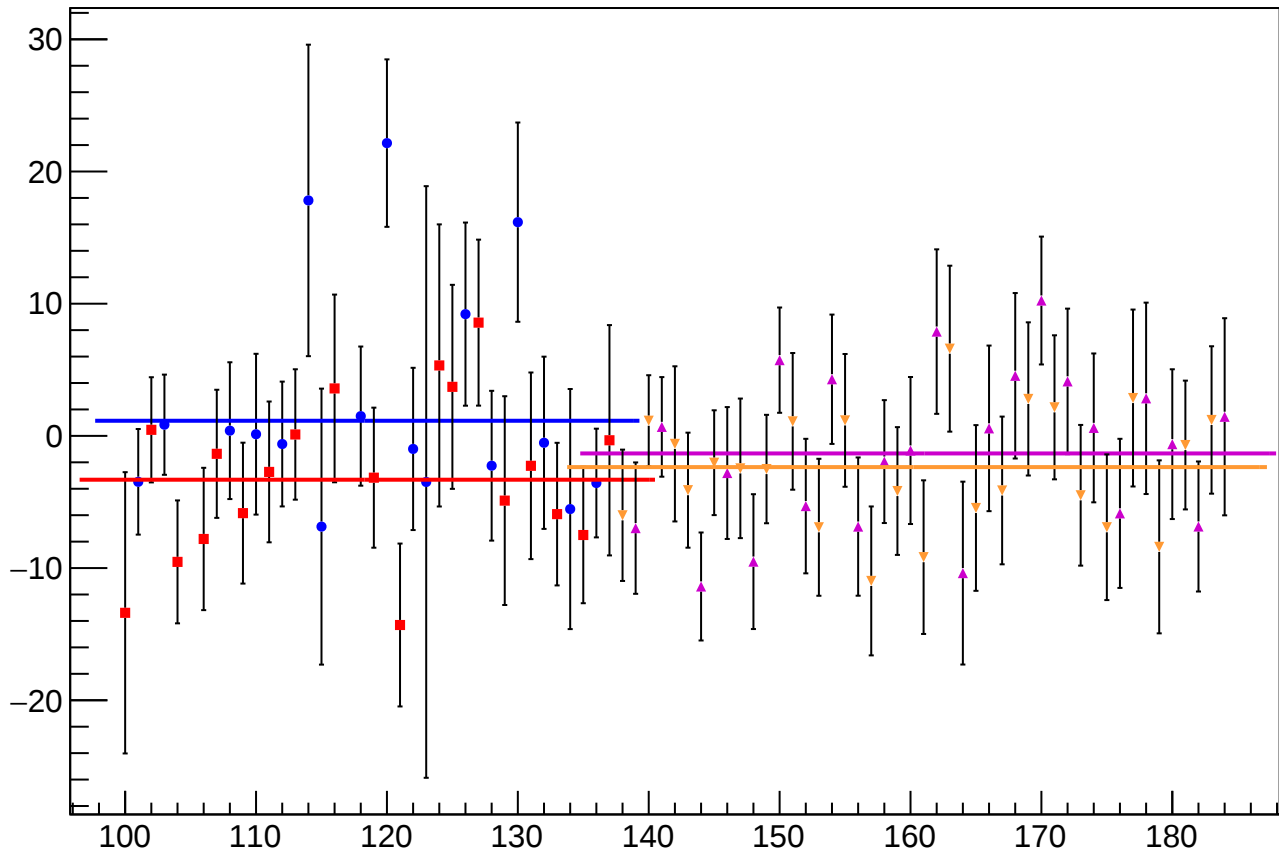
Left In: 5625.163 $\pm$ 0.960 χ^2 /NDF: 272563.5/22

+ sign 6035.390 $\pm$ 0.892 χ^2 /NDF: 3462894.0/40

All: 6077.080 $\pm$ 0.639 χ^2 /NDF: 7359605.3/82

- sign 6120.826 $\pm$ 0.914 χ^2 /NDF: 3892238.1/41

diff_bpm16Y_mean vs Slug



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

Left Out: -2.362 ± 1.043 χ^2/NDF : 14.1/23

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

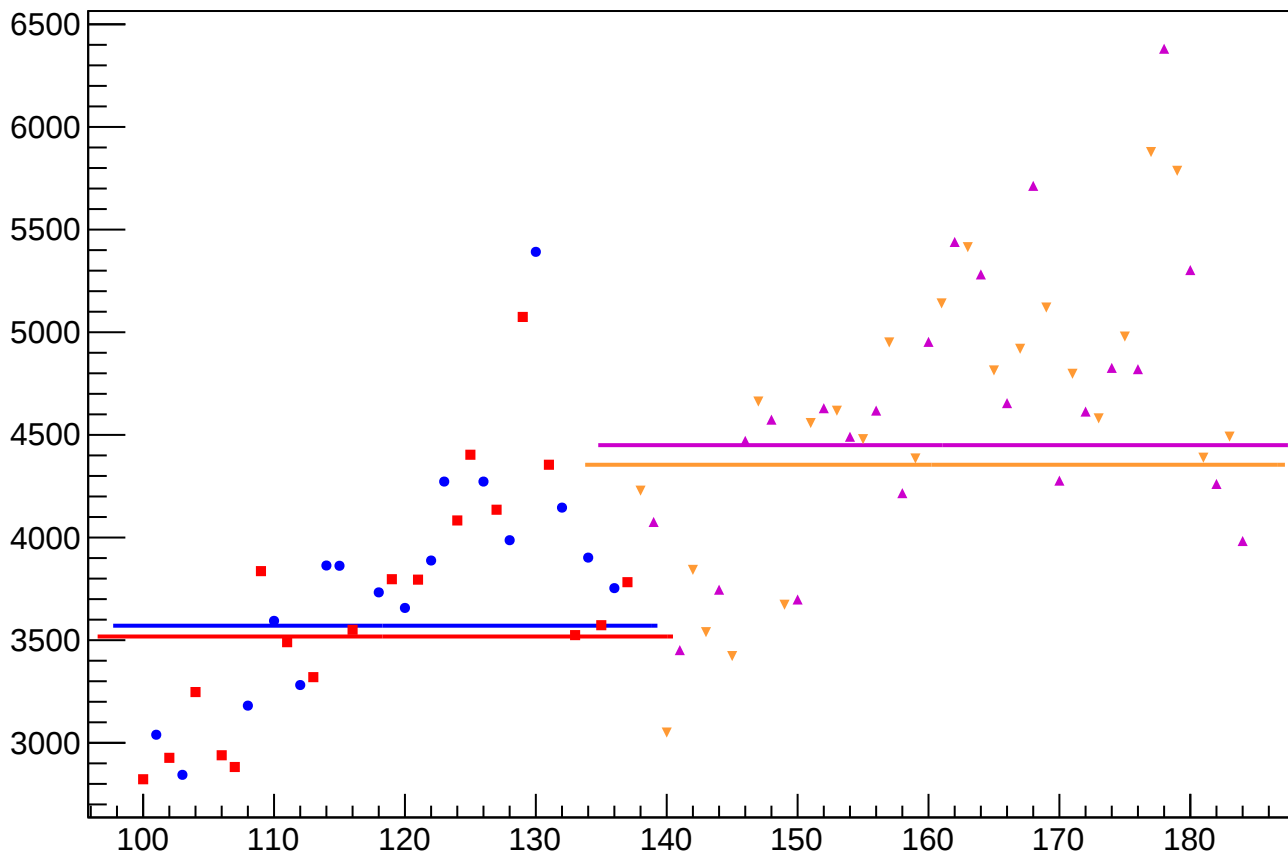
Left In: -1.328 ± 1.082 χ^2/NDF : 30.6/22

+ sign -1.107 ± 0.836 χ^2/NDF : 41.0/40

All: -1.609 ± 0.593 χ^2/NDF : 89.1/82

- sign -2.116 ± 0.841 χ^2/NDF : 47.4/41

diff_bpm16Y_rms vs Slug



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

Left Out: 4354.533 $\pm$ 0.738 χ^2 /NDF: 981548.3/23

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

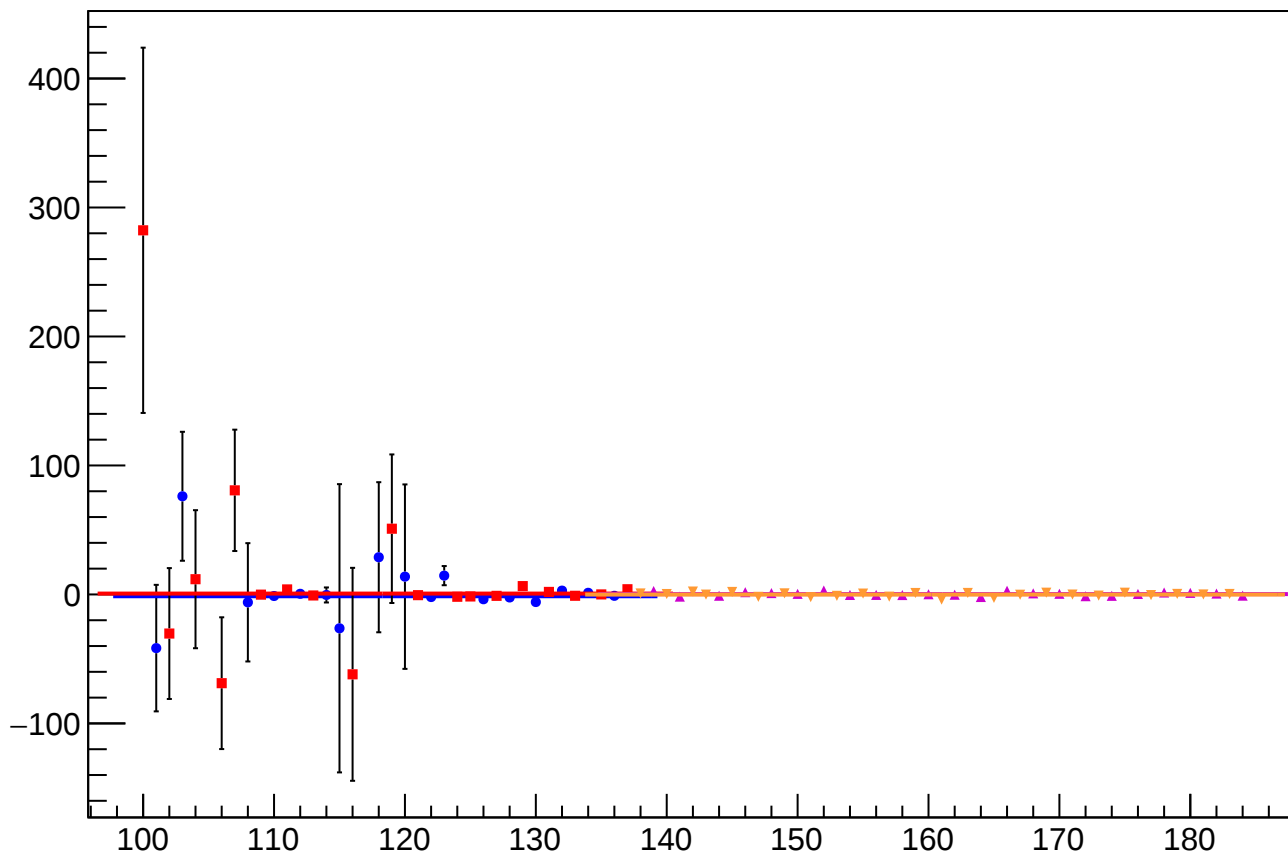
Left In: 4450.007 $\pm$ 0.765 χ^2 /NDF: 693229.8/22

+ sign 4073.981 $\pm$ 0.591 χ^2 /NDF: 1696021.9/40

All: 4077.258 $\pm$ 0.419 χ^2 /NDF: 3273724.0/82

- sign 4080.570 $\pm$ 0.594 χ^2 /NDF: 1577640.4/41

diff_bpm1p02bX_mean vs Slug



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

Left Out: -0.088 ± 0.251 χ^2/NDF : 34.1/23

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

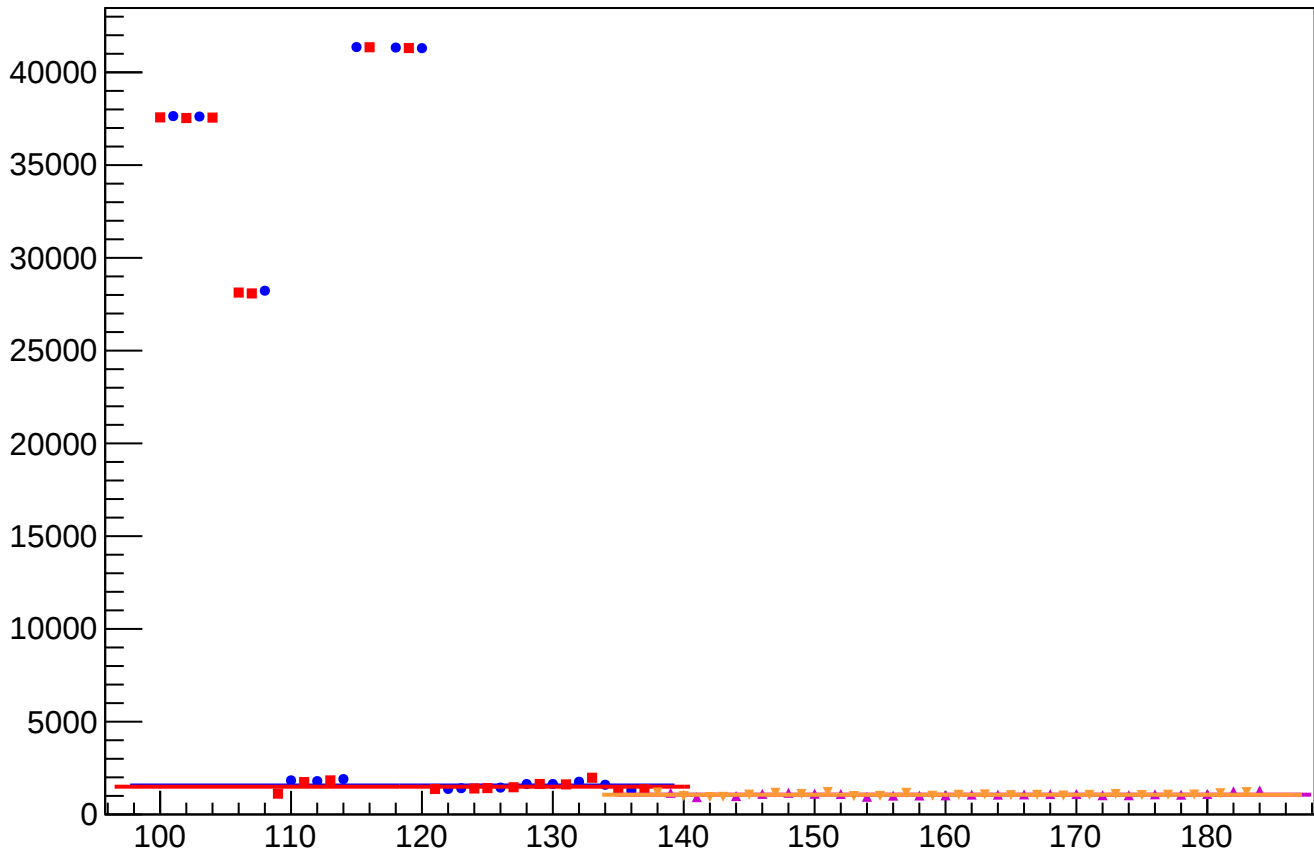
Left In: 0.259 ± 0.257 χ^2/NDF : 27.2/22

+ sign -0.220 ± 0.238 χ^2/NDF : 53.5/40

All: 0.039 ± 0.170 χ^2/NDF : 104.9/82

- sign 0.306 ± 0.242 χ^2/NDF : 49.0/41

diff_bpm1p02bX_rms vs Slug



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

Left Out: 1062.603 $\pm$ 0.177 χ^2 /NDF: 162455.1/23

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

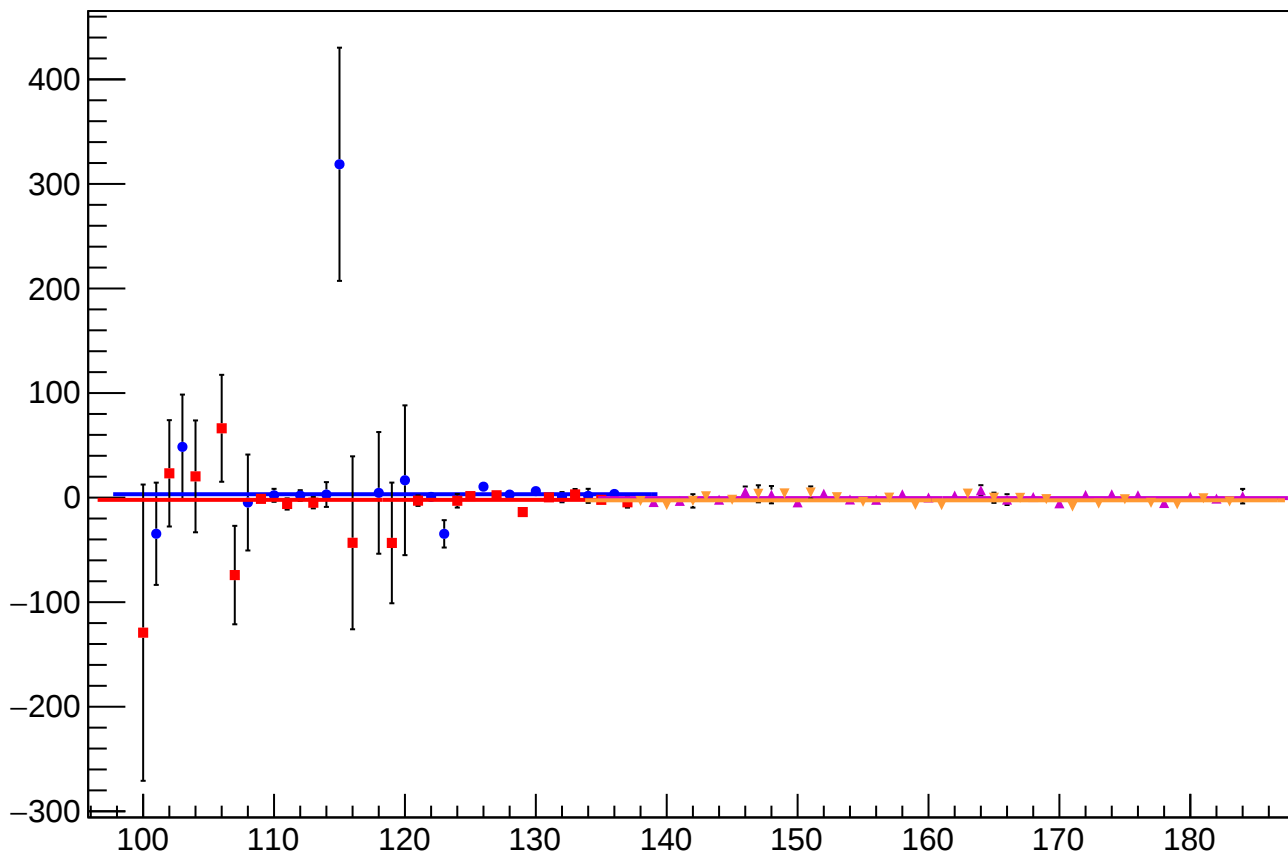
Left In: 1066.255 $\pm$ 0.182 χ^2 /NDF: 164232.1/22

+ sign 1112.658 $\pm$ 0.168 χ^2 /NDF: 5707297.3/40

All: 1114.150 $\pm$ 0.120 χ^2 /NDF: 11409149.6/8

- sign 1115.690 $\pm$ 0.171 χ^2 /NDF: 5701692.4/41

diff_bpm1p02bY_mean vs Slug



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

Left Out: -2.569 $\pm$ 0.817 χ^2 /NDF: 17.5/23

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

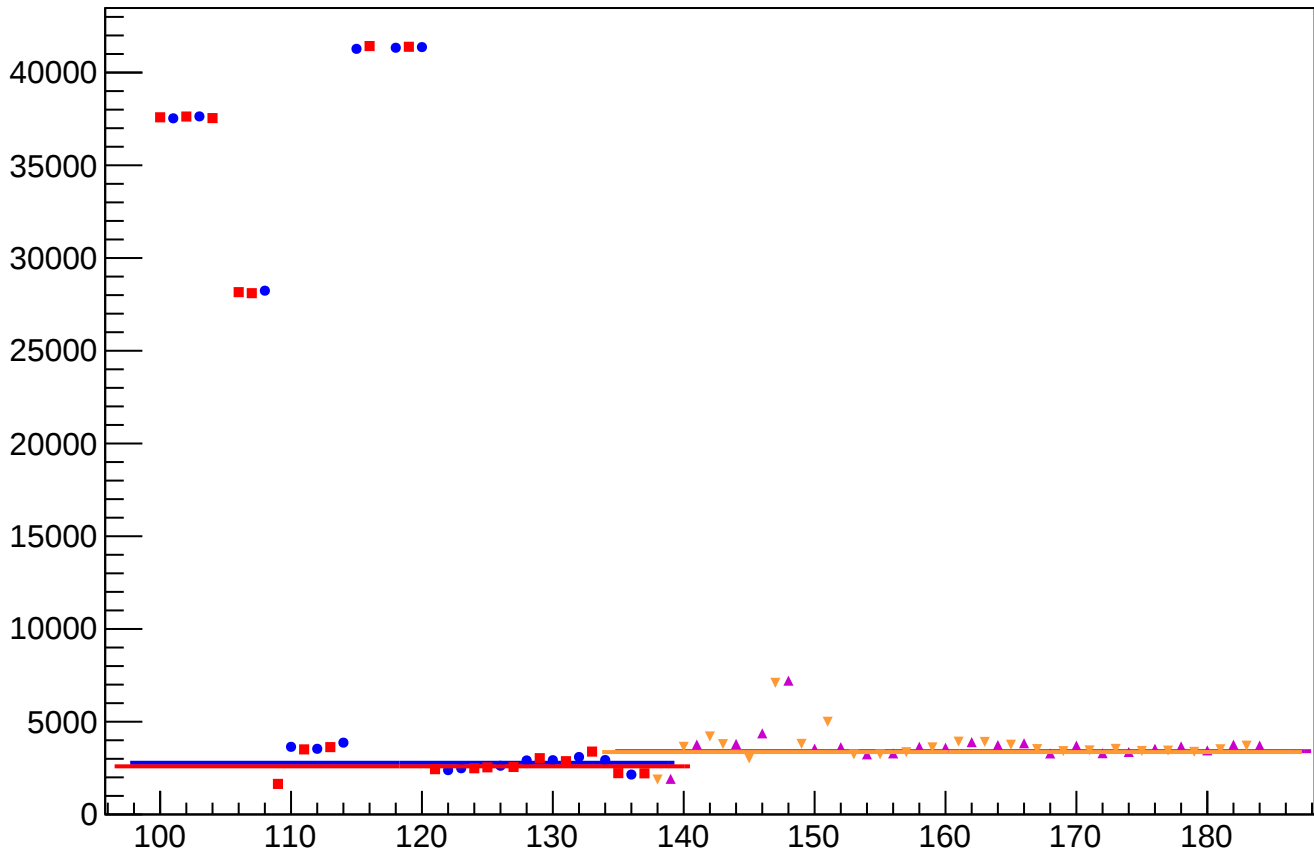
Left In: -0.468 $\pm$ 0.843 χ^2 /NDF: 15.5/22

+ sign -0.976 $\pm$ 0.696 χ^2 /NDF: 53.6/40

All: -0.986 $\pm$ 0.492 χ^2 /NDF: 86.8/82

- sign -0.997 $\pm$ 0.697 χ^2 /NDF: 33.2/41

diff_bpm1p02bY_rms vs Slug



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

Left Out: 3364.478 $\pm$ 0.578 χ^2 /NDF: 1642986.3/23

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

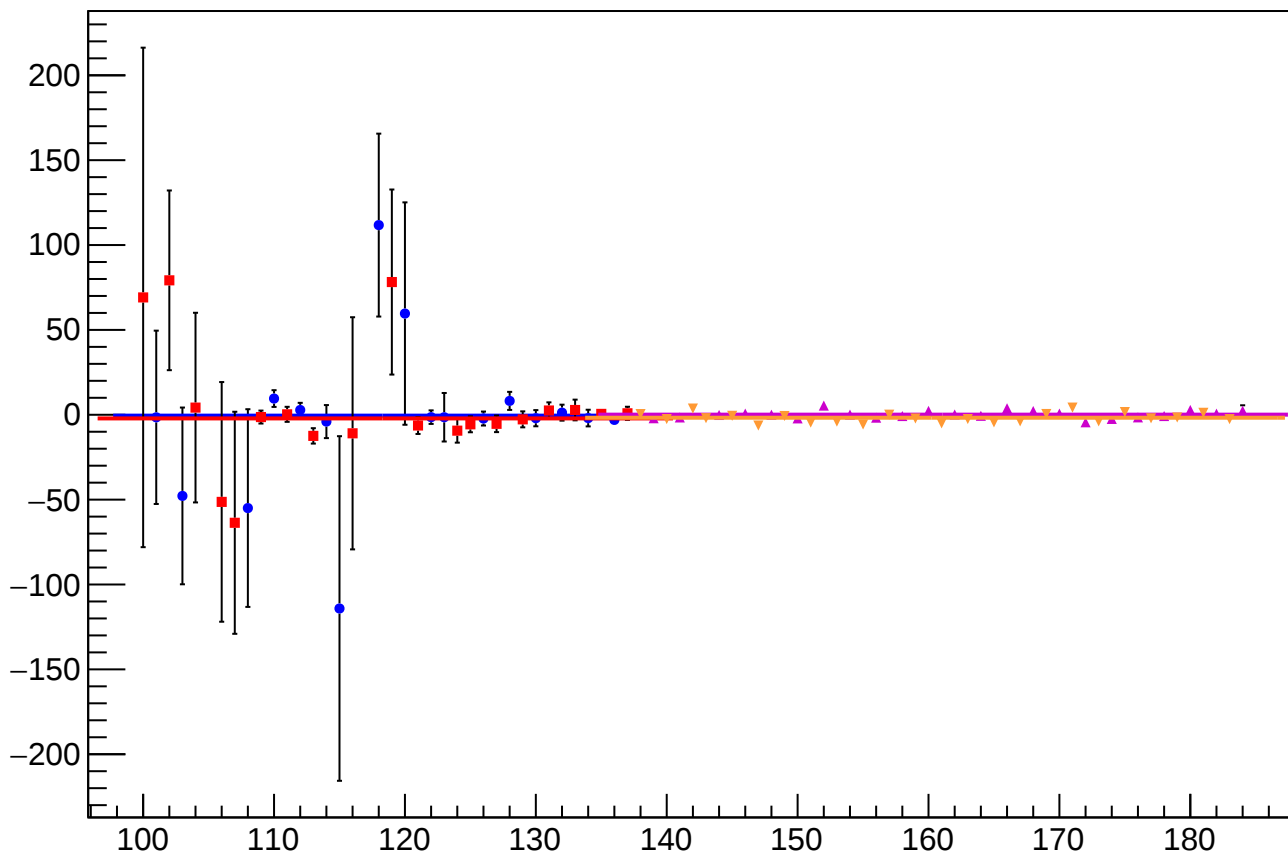
Left In: 3411.924 $\pm$ 0.596 χ^2 /NDF: 1434523.7/22

+ sign 3205.680 $\pm$ 0.492 χ^2 /NDF: 6494957.1/40

All: 3179.479 $\pm$ 0.348 χ^2 /NDF: 13379470.5/8

- sign 3153.187 $\pm$ 0.493 χ^2 /NDF: 6878830.5/41

diff_bpm1p03aX_mean vs Slug



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

Left Out: -1.744 ± 0.392 χ^2/NDF : 45.3/23

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

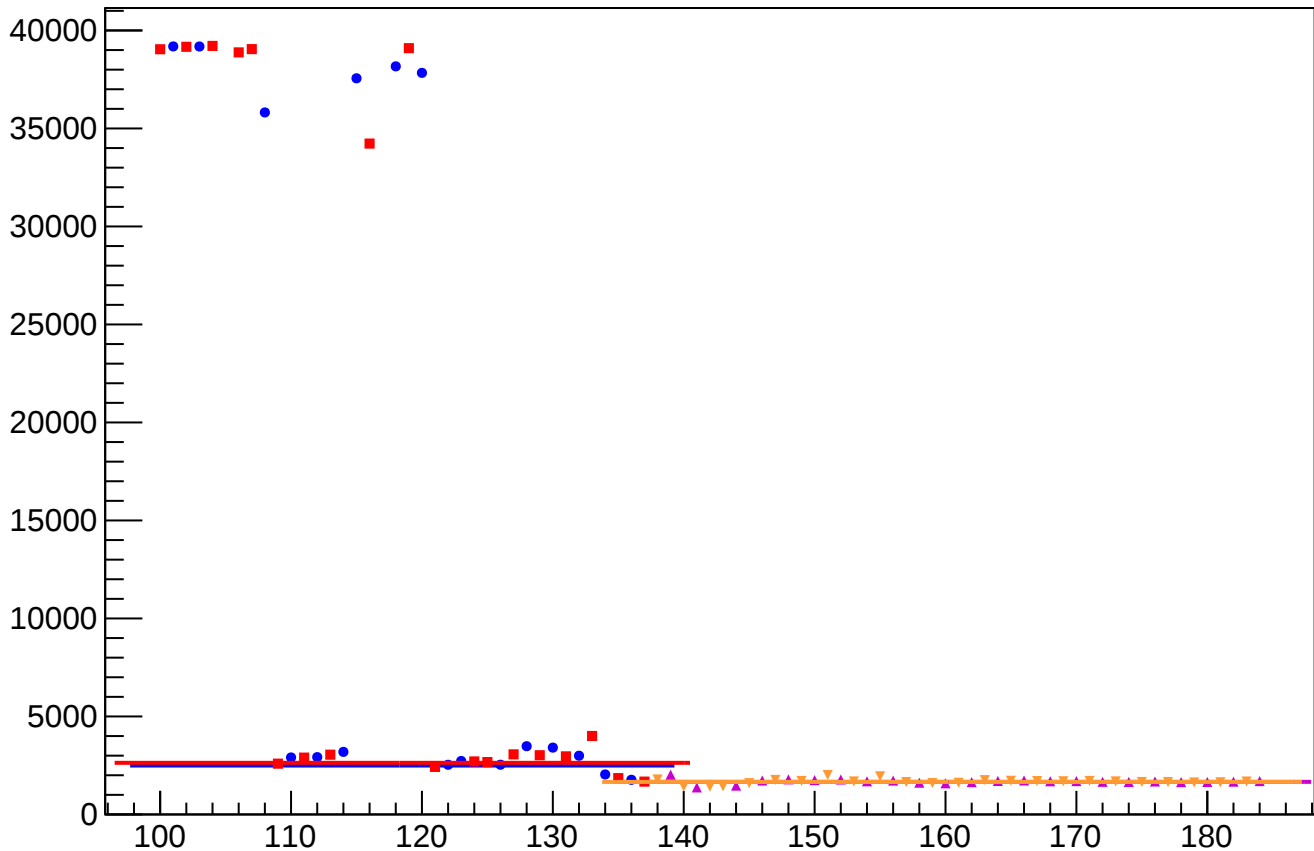
Left In: 0.072 ± 0.401 χ^2/NDF : 28.2/22

+ sign -1.629 ± 0.373 χ^2/NDF : 64.1/40

All: -0.899 ± 0.267 χ^2/NDF : 120.7/82

- sign -0.136 ± 0.382 χ^2/NDF : 48.7/41

diff_bpm1p03aX_rms vs Slug



Right In: 2496.856+/-0.864 χ^2/NDF : 4887806.1/16

Left Out: 1658.937+/-0.277 χ^2/NDF : 215710.1/23

Right Out: 2634.601+/-0.884 χ^2/NDF : 4861733.2/18

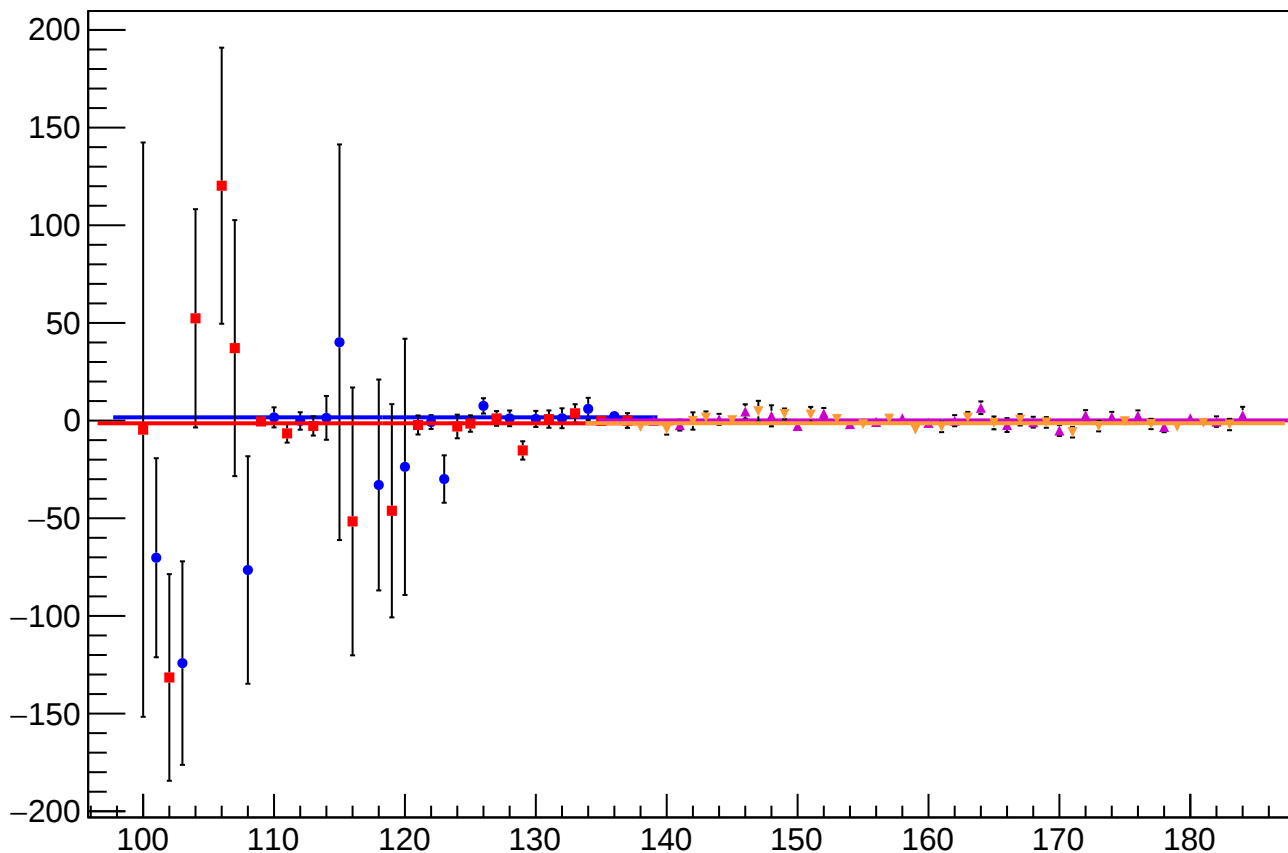
Left In: 1663.620+/-0.284 χ^2/NDF : 178858.2/22

+ sign 1737.198+/-0.264 χ^2/NDF : 5956201.2/40

All: 1745.529+/-0.189 χ^2/NDF : 12092972.6/80

- sign 1754.242+/-0.270 χ^2/NDF : 6134734.8/41

diff_bpm1p03aY_mean vs Slug



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

Left Out: -1.340 ± 0.540 χ^2/NDF : 19.1/23

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

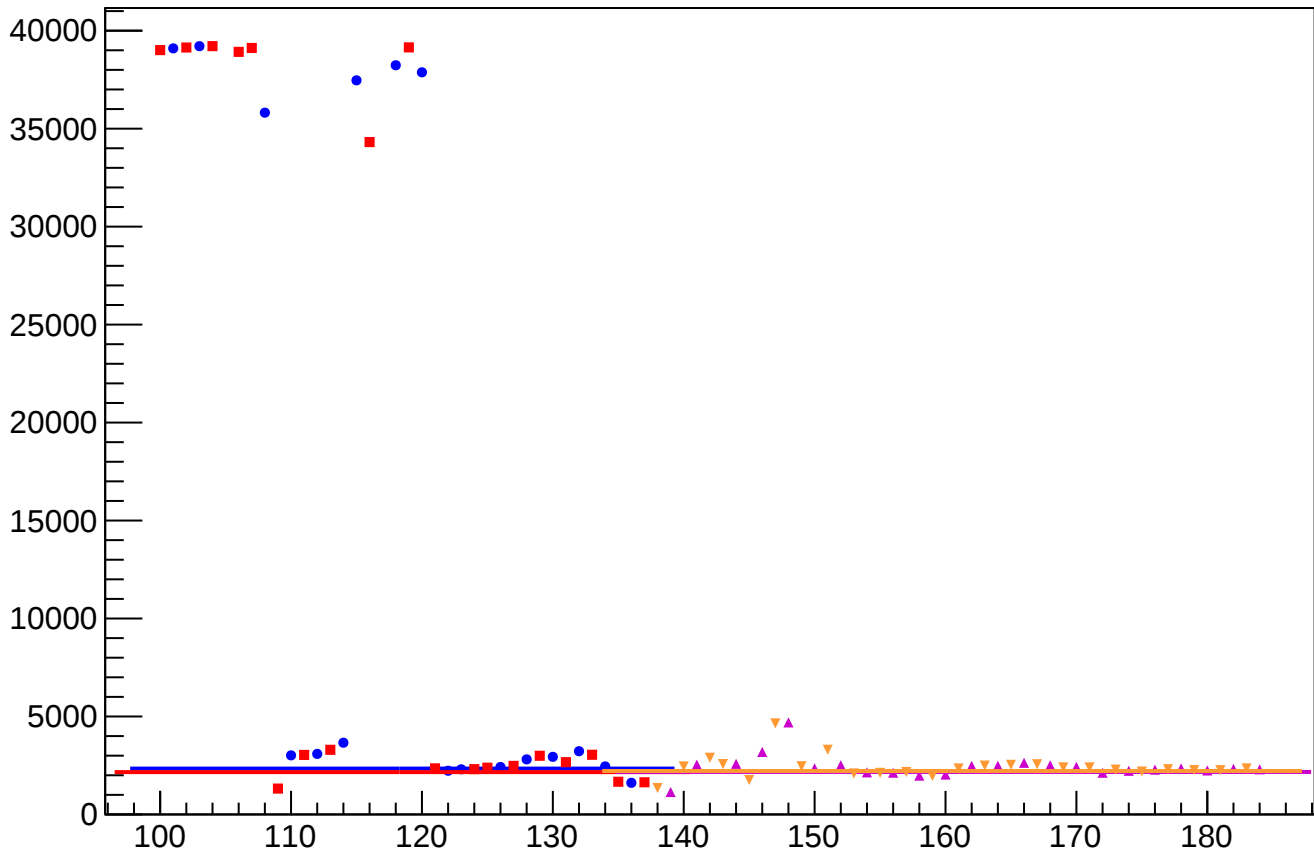
Left In: 0.098 ± 0.541 χ^2/NDF : 19.3/22

+ sign -0.794 ± 0.488 χ^2/NDF : 45.5/40

All: -0.496 ± 0.343 χ^2/NDF : 91.1/82

- sign -0.205 ± 0.483 χ^2/NDF : 44.9/41

diff_bpm1p03aY_rms vs Slug



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

Left Out: 2218.212+/-0.382 χ^2/NDF : 1413738.1/23

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

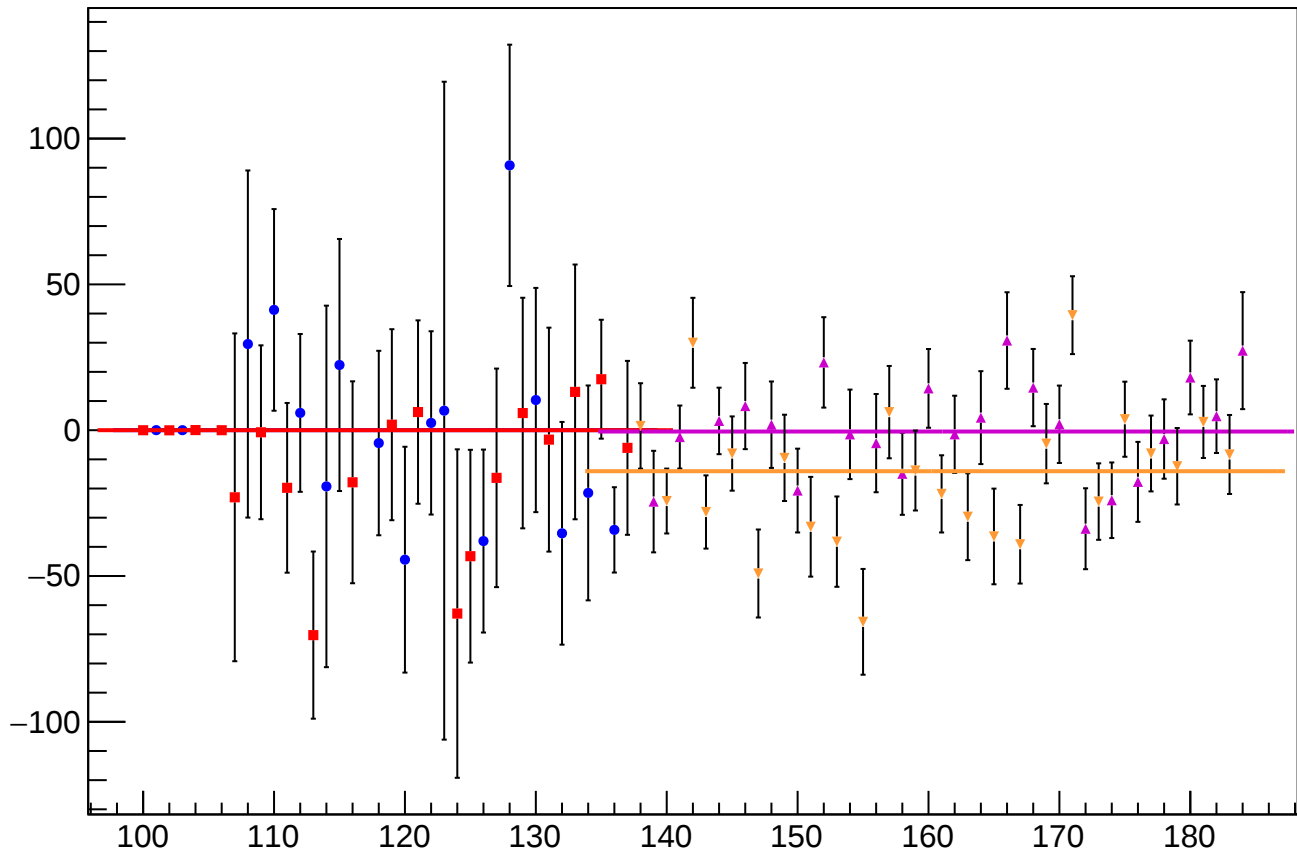
Left In: 2169.443+/-0.383 χ^2/NDF : 1974869.8/22

+ sign 2240.531+/-0.345 χ^2/NDF : 6439075.9/40

All: 2203.714+/-0.243 χ^2/NDF : 13738303.3/80

- sign 2167.754+/-0.341 χ^2/NDF : 7276747.2/41

diff_cav4bX_mean vs Slug



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

Left Out: -14.065 ± 2.835 χ^2/NDF : 58.6/23

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

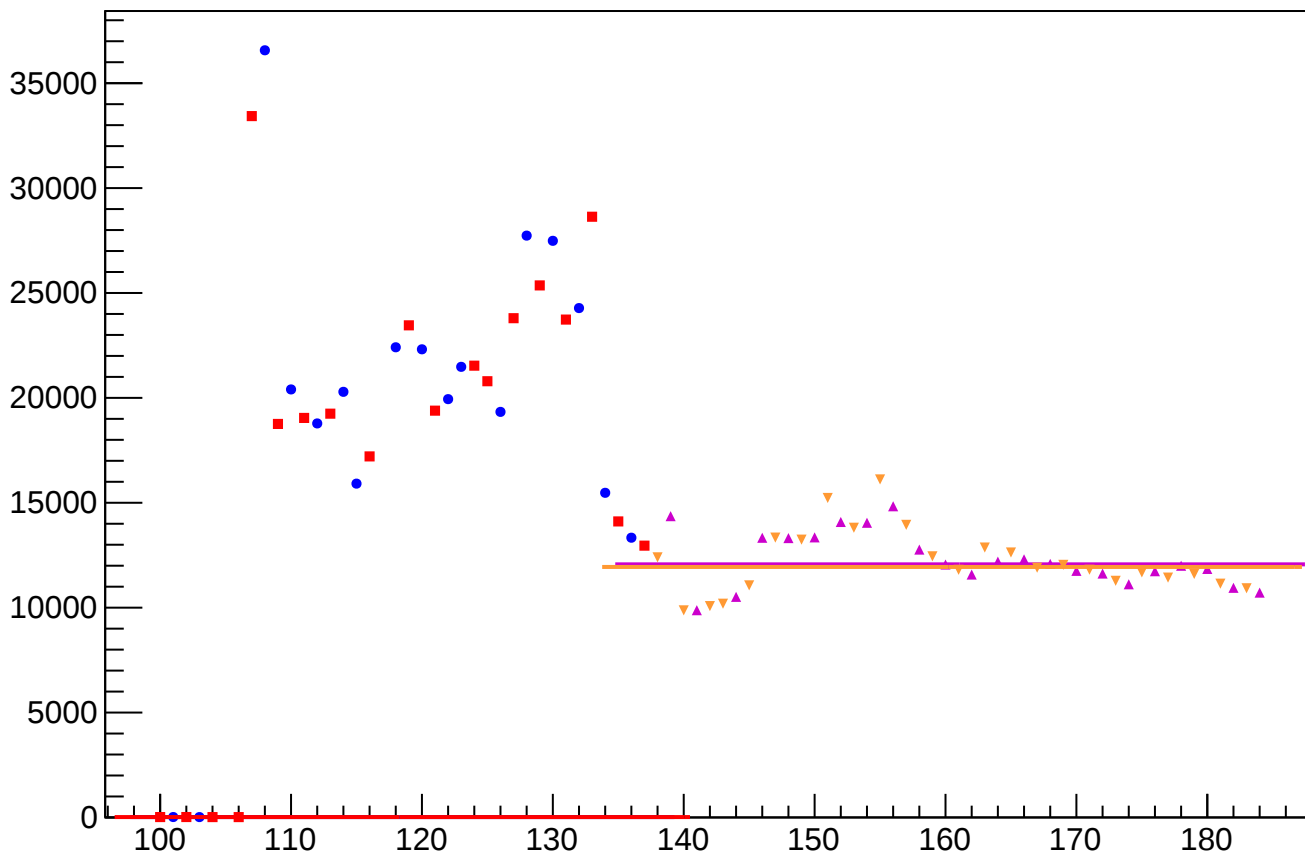
Left In: -0.459 ± 2.917 χ^2/NDF : 29.0/22

+ sign 0.013 ± 0.017 χ^2/NDF : 99.9/40

All: 0.008 ± 0.012 χ^2/NDF : 144.6/82

- sign 0.003 ± 0.016 χ^2/NDF : 44.5/41

diff_cav4bX_rms vs Slug



Right In: 18.641+/-0.012 χ^2/NDF : 10941777.3/16

Left Out: 11940.738+/-2.005 χ^2/NDF : 466998.7/23

Right Out: 18.311+/-0.011 χ^2/NDF : 11063399.8/18

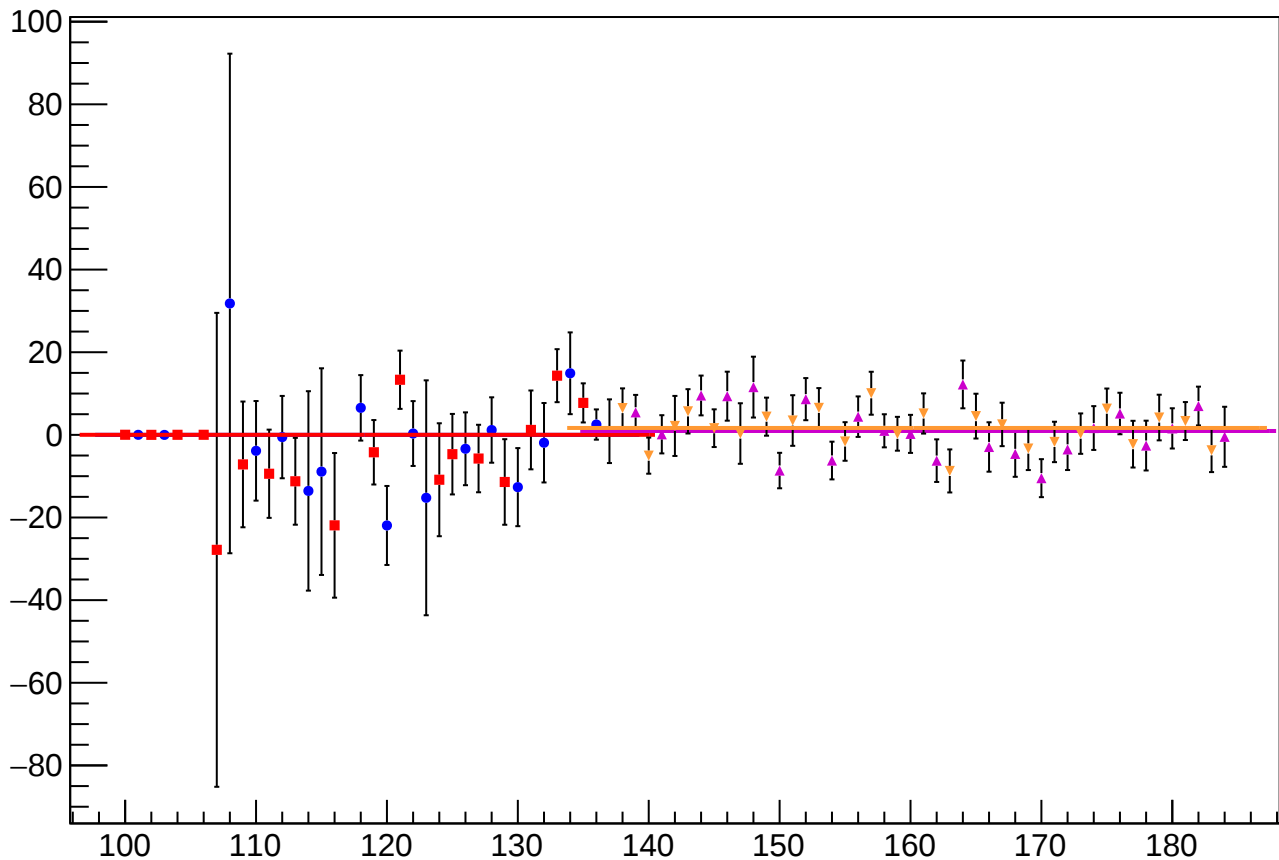
Left In: 12064.761+/-2.062 χ^2/NDF : 368452.5/22

+ sign 19.087+/-0.012 χ^2/NDF : 46766732.6/40

All: 18.866+/-0.008 χ^2/NDF : 92315091.4/82

- sign 18.677+/-0.011 χ^2/NDF : 45547757.3/41

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 12.9/16

Left Out: 1.671 $\pm$ 1.034 χ^2 /NDF:17.7/23

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 18.8/18

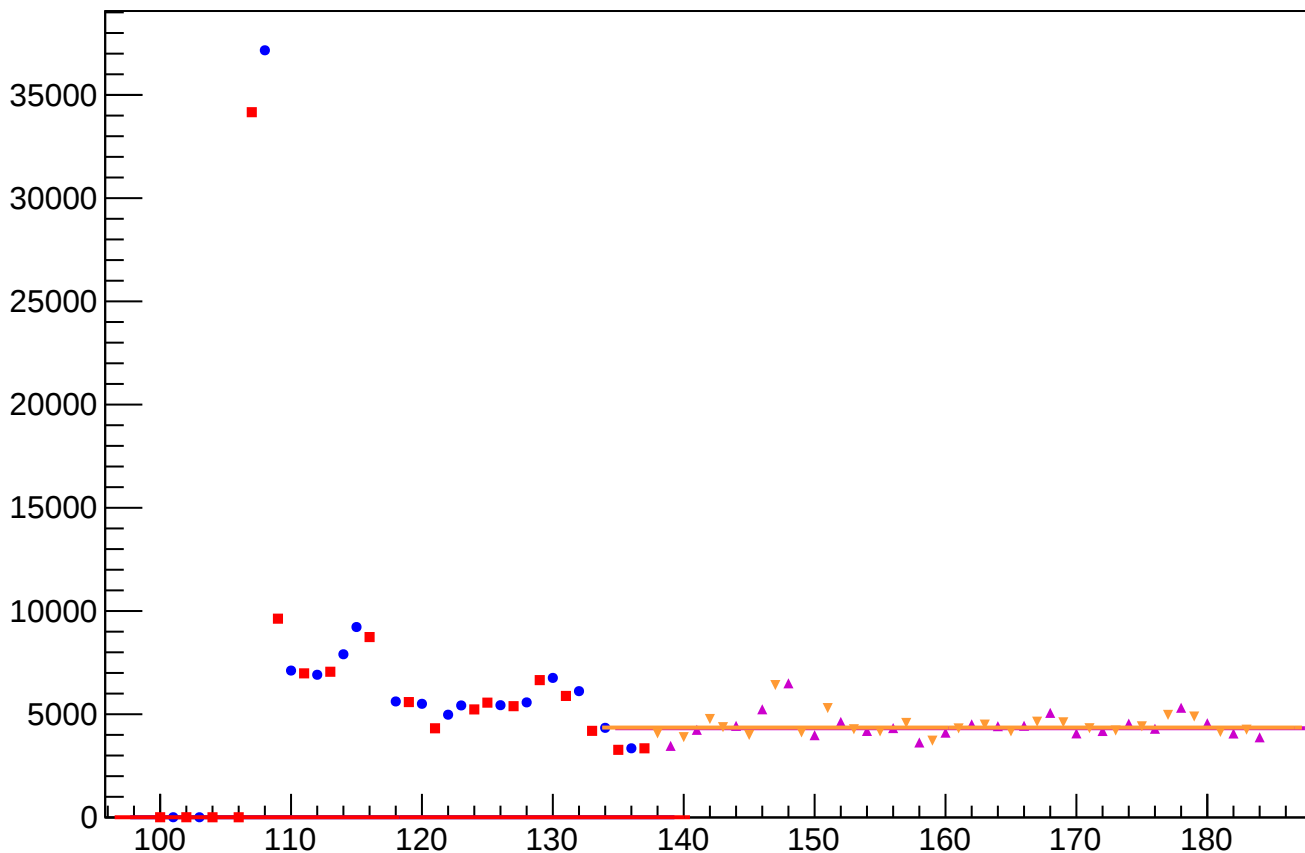
Left In: 0.939 $\pm$ 1.049 χ^2 /NDF:35.6/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 33.2/40

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 89.5/82

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 55.1/41

diff_cav4bY_rms vs Slug



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

Left Out: 4354.532 $\pm$ 0.731 χ^2 /NDF:378840.4/23

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

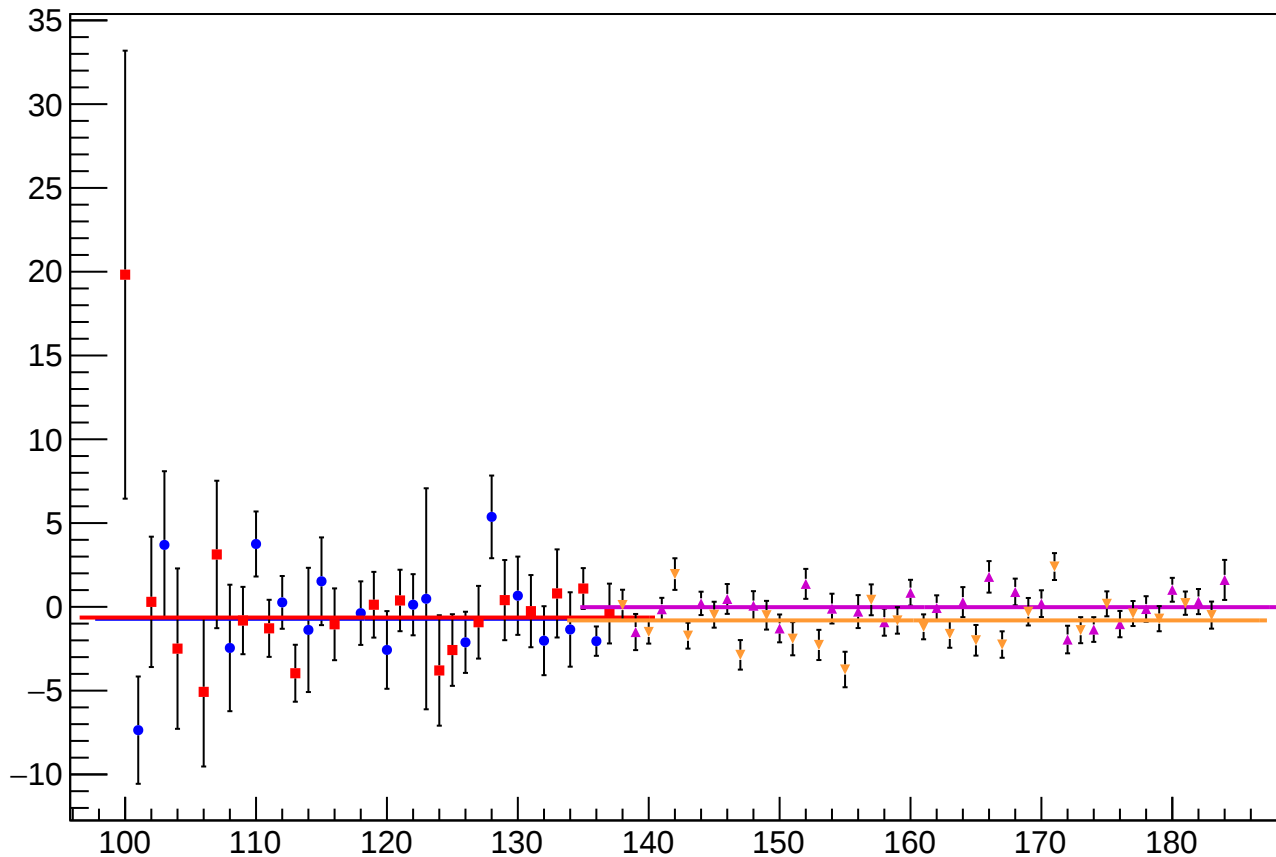
Left In: 4321.572 $\pm$ 0.741 χ^2 /NDF:514603.2/22

+ sign 10.283 $\pm$ 0.007 χ^2 /NDF: 46778390.8/40

All: 10.211 $\pm$ 0.004 χ^2 /NDF: 92225760.5/82

- sign 10.147 $\pm$ 0.006 χ^2 /NDF: 45447139.5/41

diff_cav4cX_mean vs Slug



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

Left Out: -0.808 ± 0.167 χ^2/NDF : 58.7/23

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

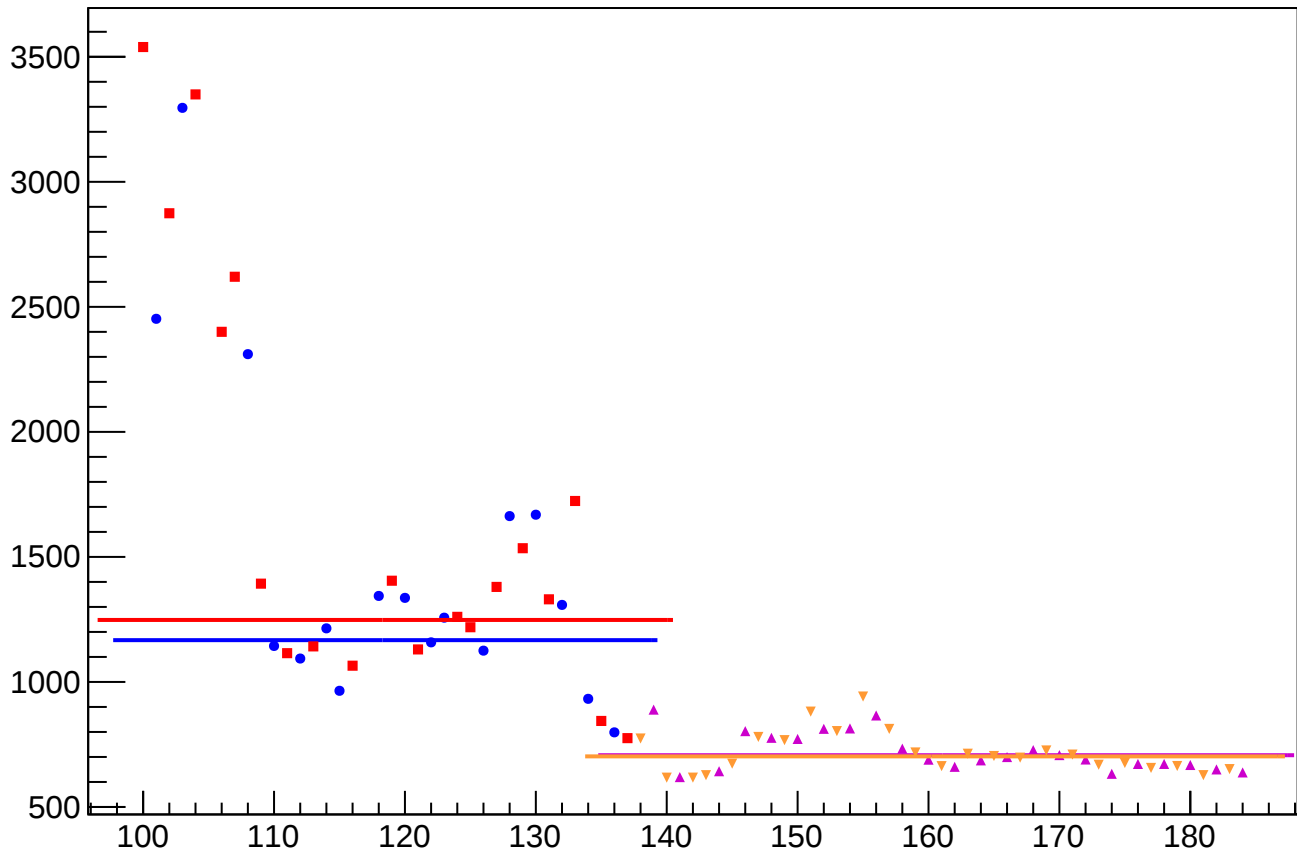
Left In: -0.018 ± 0.171 χ^2/NDF : 29.4/22

+ sign -0.798 ± 0.157 χ^2/NDF : 81.4/40

All: -0.450 ± 0.113 χ^2/NDF : 135.3/82

- sign -0.083 ± 0.162 χ^2/NDF : 43.9/41

diff_cav4cX_rms vs Slug



Right In: 1167.121+/-0.342 χ^2/NDF : 1580218.1/16

Left Out: 702.338+/-0.118 χ^2/NDF : 387245.9/23

Right Out: 1247.915+/-0.355 χ^2/NDF : 1653323.6/18

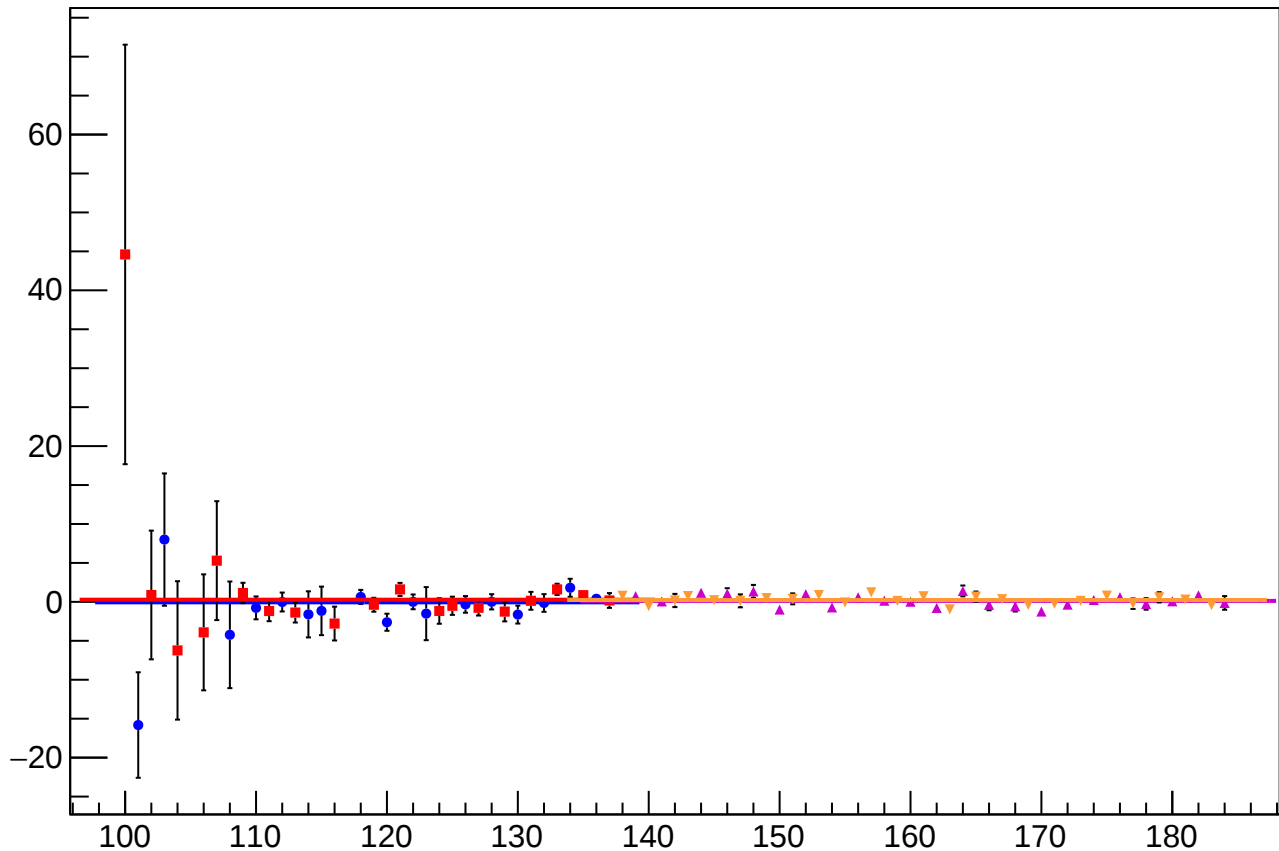
Left In: 706.971+/-0.121 χ^2/NDF : 332011.4/22

+ sign 751.699+/-0.111 χ^2/NDF : 3621918.5/40

All: 757.291+/-0.080 χ^2/NDF : 7697772.6/82

- sign 763.187+/-0.114 χ^2/NDF : 4070671.0/41

diff_cav4cY_mean vs Slug



Right In: -0.060 ± 0.269 χ^2/NDF : 19.1/16

Left Out: 0.237 ± 0.124 χ^2/NDF : 17.3/23

Right Out: 0.280 ± 0.264 χ^2/NDF : 20.5/18

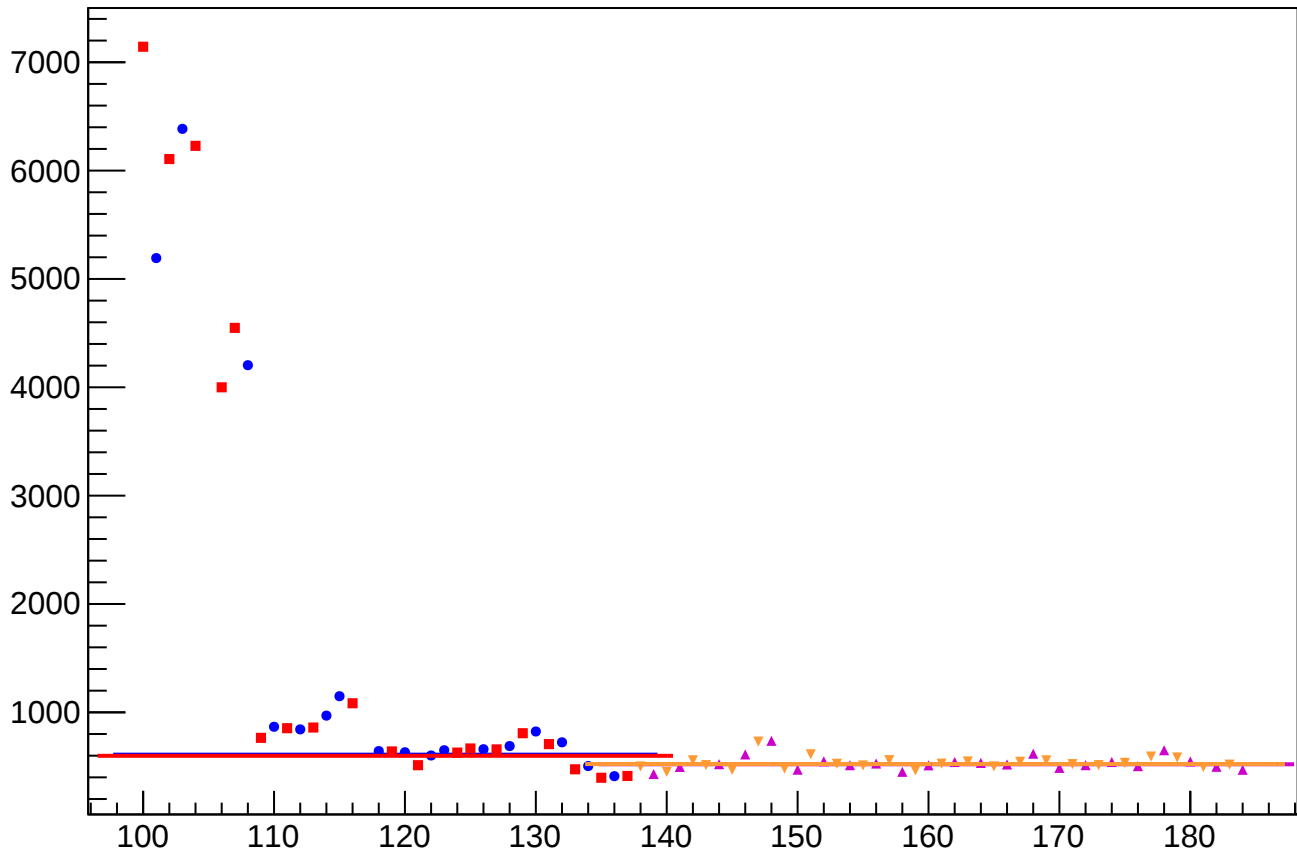
Left In: 0.126 ± 0.126 χ^2/NDF : 35.0/22

+ sign 0.185 ± 0.113 χ^2/NDF : 37.4/40

All: 0.170 ± 0.080 χ^2/NDF : 93.2/82

- sign 0.154 ± 0.114 χ^2/NDF : 55.8/41

diff_cav4cY_rms vs Slug



Right In: 609.385 $\pm$ 0.190 χ^2 /NDF: 3134318.6/16

Left Out: 522.870 $\pm$ 0.088 χ^2 /NDF: 326586.4/23

Right Out: 598.820 $\pm$ 0.187 χ^2 /NDF: 3552236.2/18

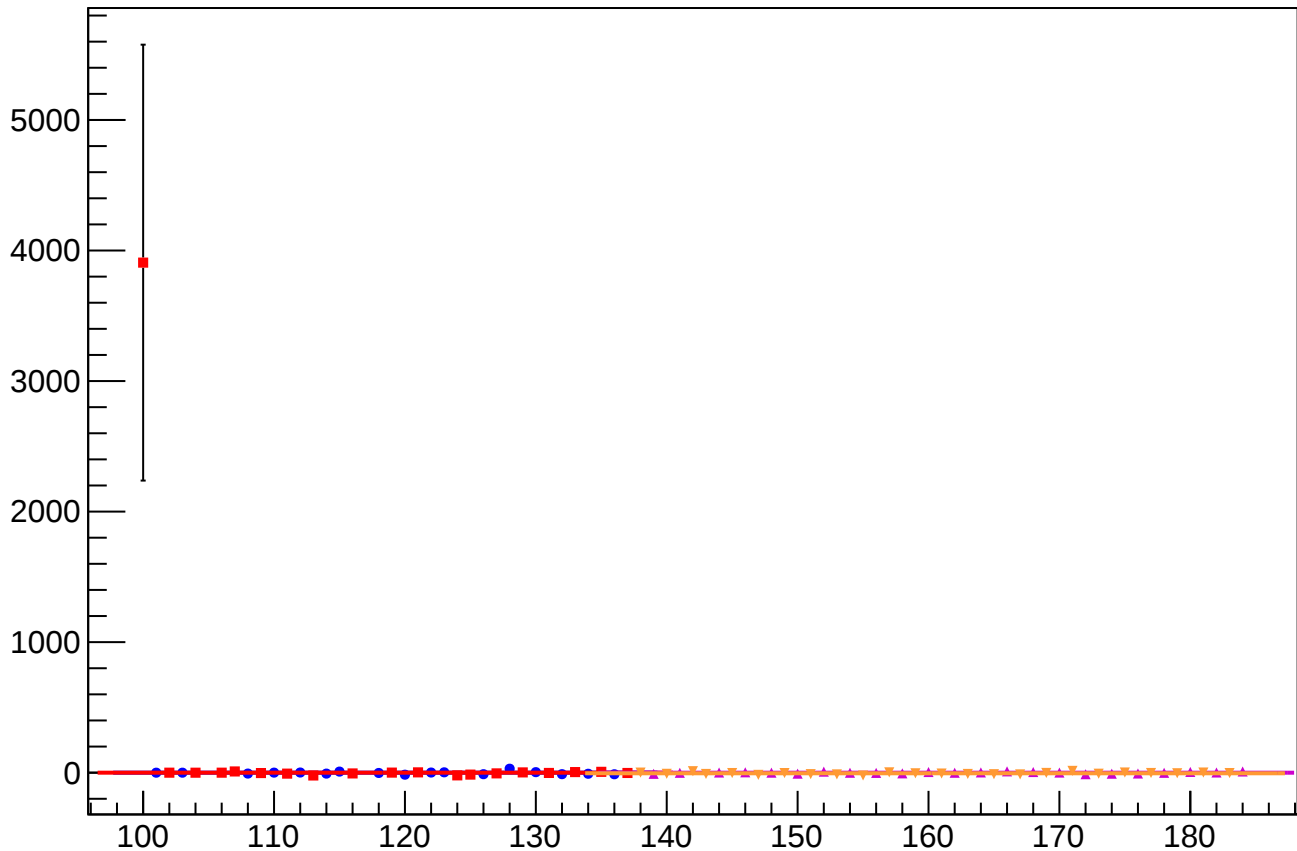
Left In: 520.700 $\pm$ 0.089 χ^2 /NDF: 427720.5/22

+ sign 538.029 $\pm$ 0.080 χ^2 /NDF: 3631533.6/40

All: 536.622 $\pm$ 0.057 χ^2 /NDF: 7754327.2/82

- sign 535.183 $\pm$ 0.081 χ^2 /NDF: 4122161.6/41

diff_cav4dX_mean vs Slug



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

Left Out: -4.684 ± 0.969 χ^2/NDF : 58.4/23

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

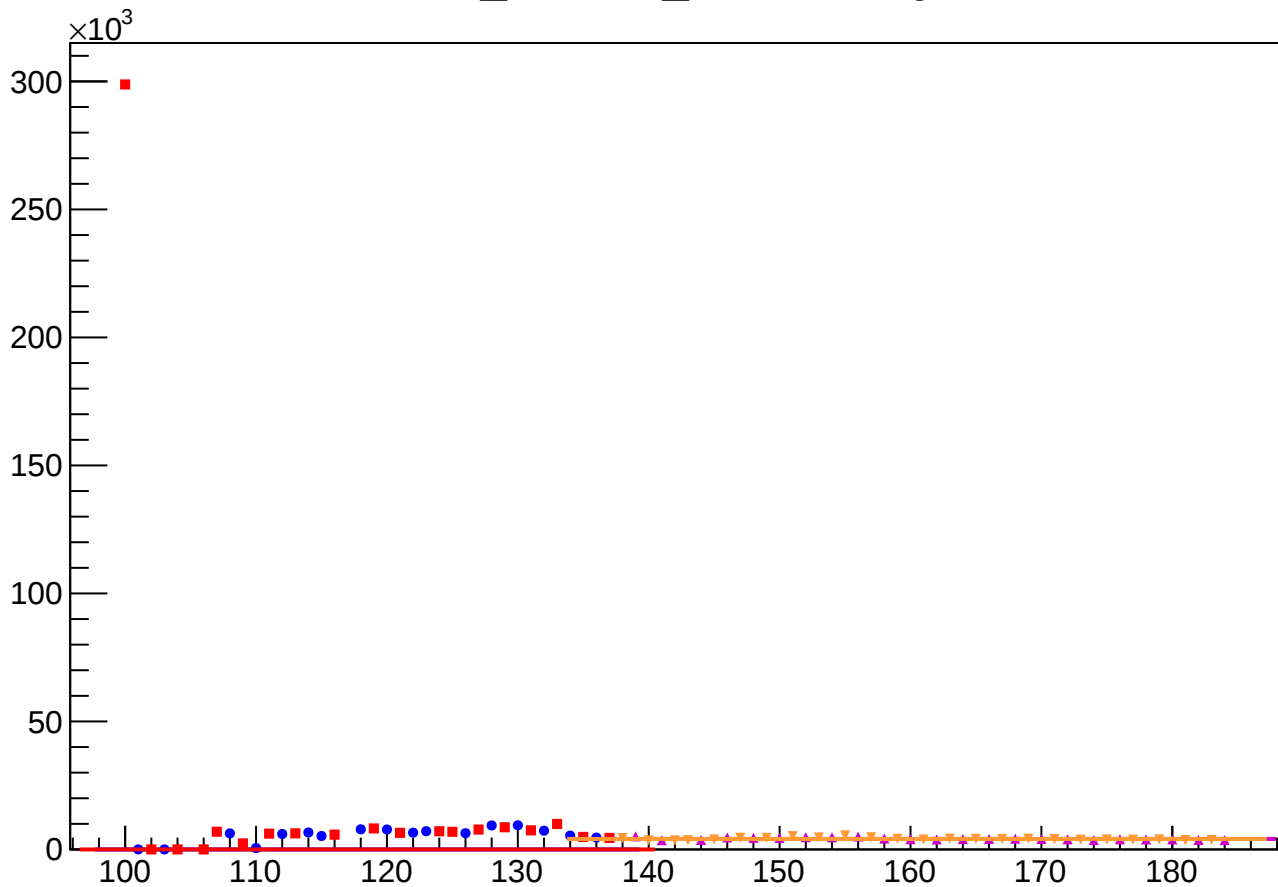
Left In: -0.183 ± 0.994 χ^2/NDF : 29.5/22

+ sign -0.024 ± 0.021 χ^2/NDF : 97.5/40

All: -0.025 ± 0.014 χ^2/NDF : 144.5/82

- sign -0.027 ± 0.020 χ^2/NDF : 47.0/41

diff_cav4dX_rms vs Slug



Right In: 17.339 ± 0.015 χ^2/NDF : 10457335.9/16

Left Out: 4084.308 ± 0.685 χ^2/NDF : 410127.0/23

Right Out: 17.267 ± 0.014 χ^2/NDF : 10773848.1/18

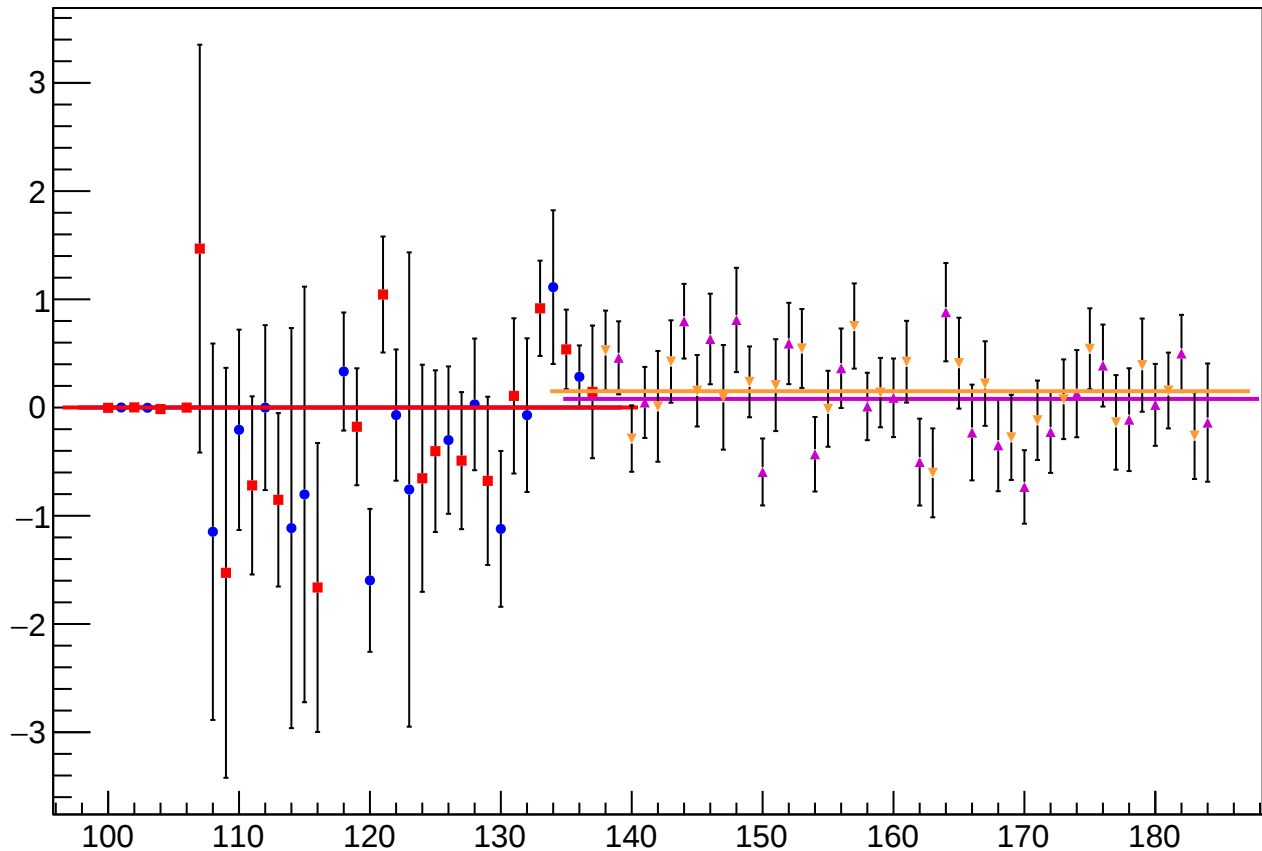
Left In: 4113.993 ± 0.703 χ^2/NDF : 349160.6/22

+ sign 19.212 ± 0.015 χ^2/NDF : 46097060.2/40

All: 19.042 ± 0.010 χ^2/NDF : 91176307.0/82

- sign 18.888 ± 0.014 χ^2/NDF : 45078992.2/41

diff_cav4dY_mean vs Slug



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

Left Out: 0.151 ± 0.077 χ^2/NDF : 16.5/23

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

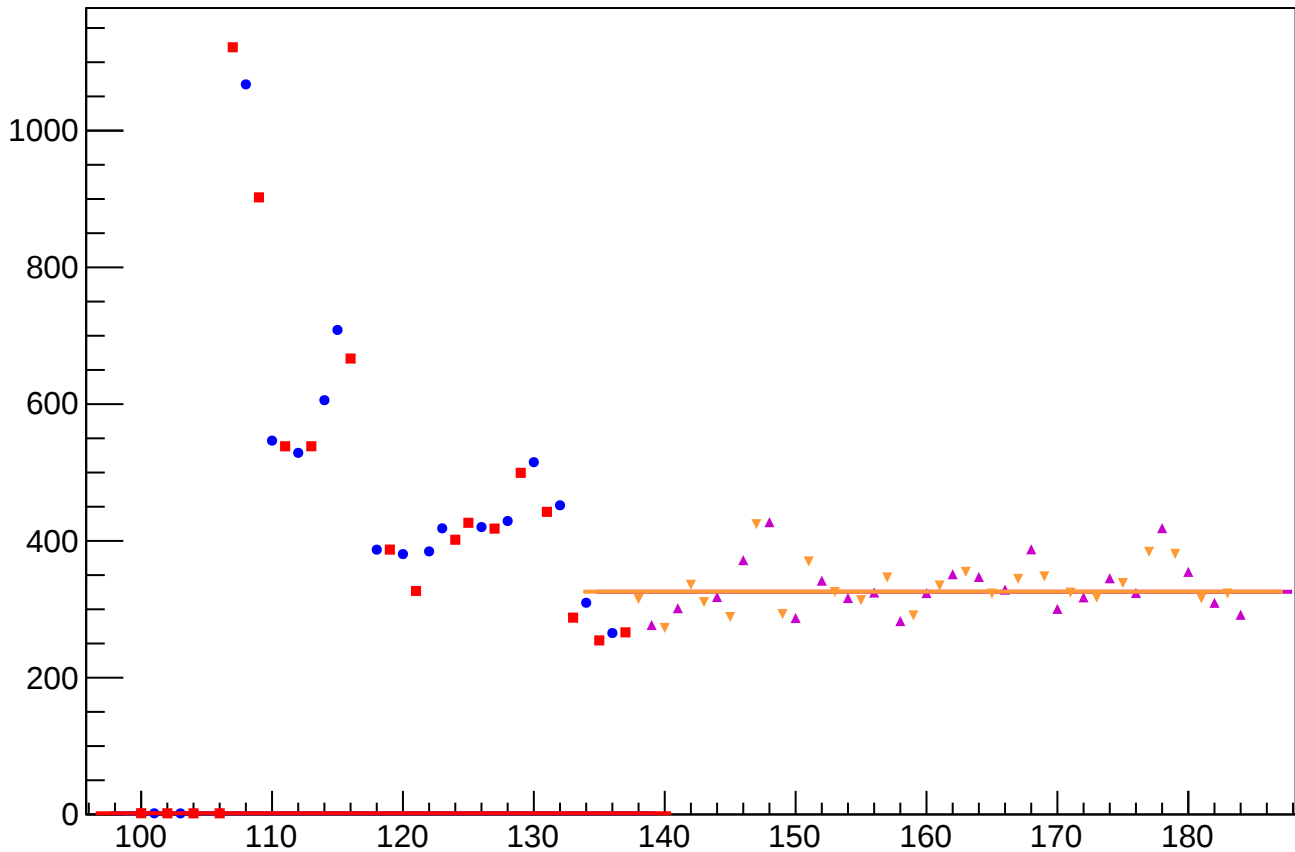
Left In: 0.080 ± 0.079 χ^2/NDF : 34.6/22

+ sign 0.000 ± 0.002 χ^2/NDF : 33.9/40

All: 0.001 ± 0.001 χ^2/NDF : 87.7/82

- sign 0.001 ± 0.002 χ^2/NDF : 53.8/41

diff_cav4dY_rms vs Slug



Right In: 1.699 $\pm$ 0.001 χ^2 /NDF: 11006381.5/16

Left Out: 325.830 $\pm$ 0.055 χ^2 /NDF:343179.5/23

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 10697829.6/18

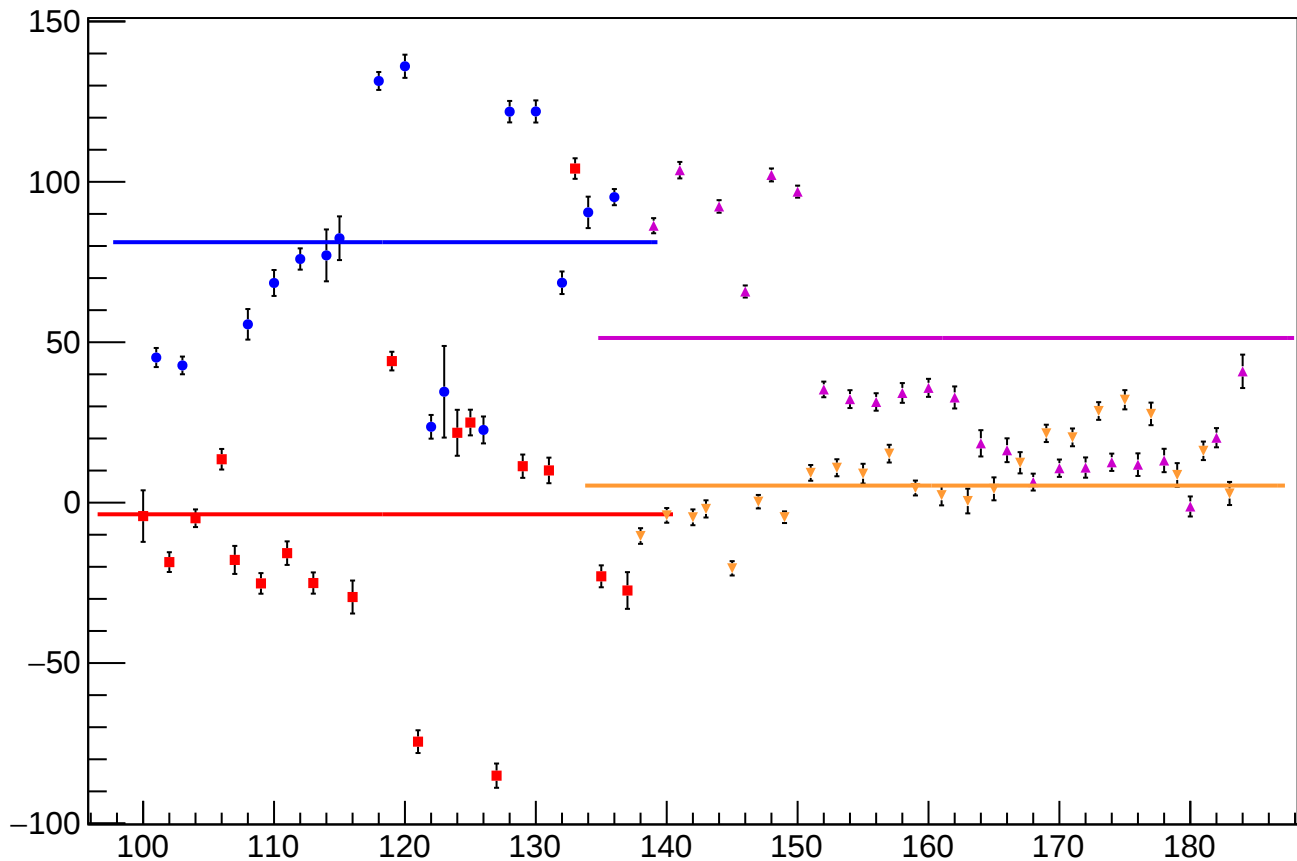
Left In: 325.626 $\pm$ 0.056 χ^2 /NDF:413350.0/22

+ sign 1.921 $\pm$ 0.001 χ^2 /NDF: 46507189.9/40

All: 1.923 $\pm$ 0.001 χ^2 /NDF: 91342953.5/82

- sign 1.924 $\pm$ 0.001 χ^2 /NDF: 44835762.0/41

diff_bpm0i01X_mean vs Slug



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

Left Out: 5.321 ± 0.549 χ^2/NDF : 550.5/23

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

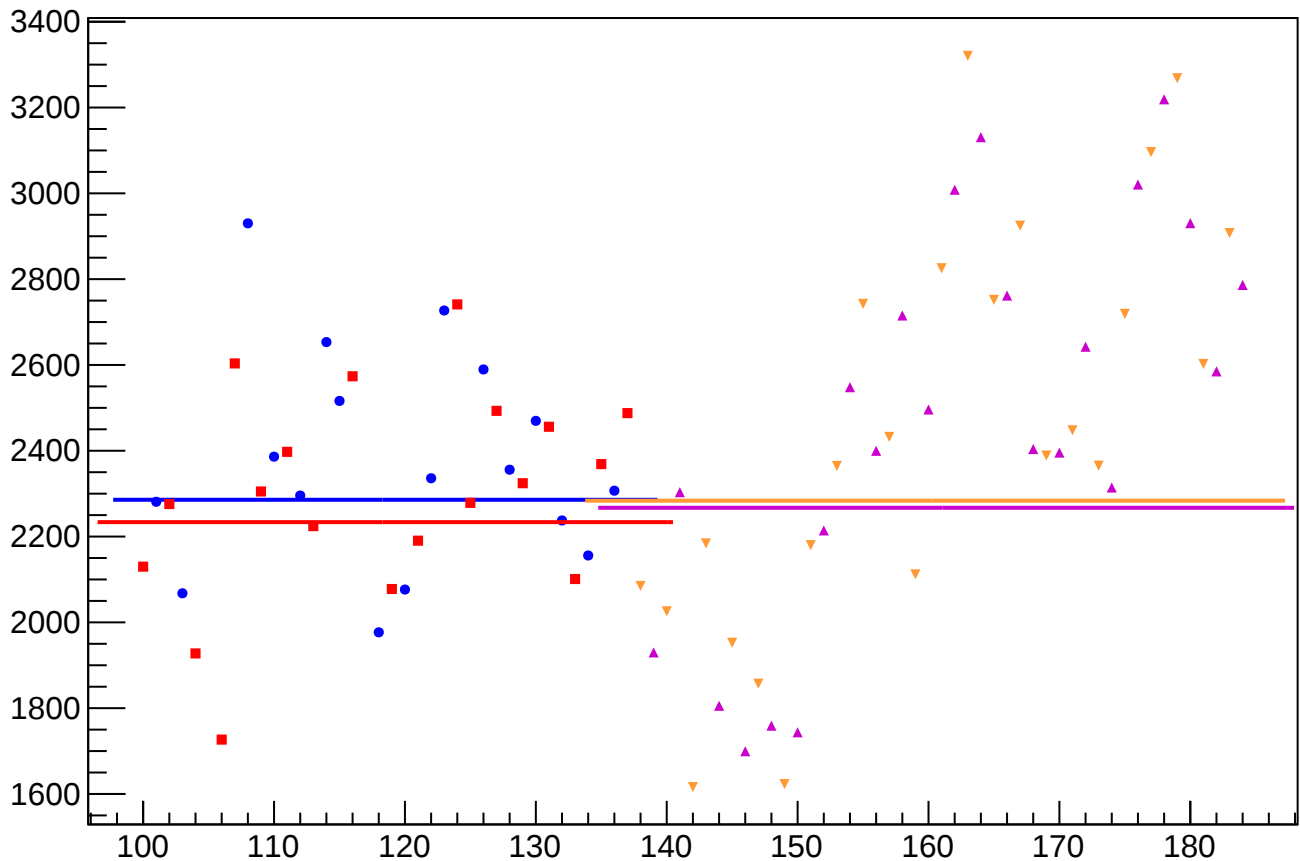
Left In: 51.328 ± 0.558 χ^2/NDF : 4257.8/22

+ sign 26.323 ± 0.467 χ^2/NDF : 7556.9/40

All: 30.469 ± 0.330 χ^2/NDF : 17514.9/82

- sign 34.596 ± 0.466 χ^2/NDF : 9800.6/41

diff_bpm0i01X_rms vs Slug



Right In: 2285.757 $\pm$ 0.627 χ^2 /NDF: 109159.1/16

Left Out: 2283.624 $\pm$ 0.388 χ^2 /NDF:1345100.6/23

Right Out: 2233.605 $\pm$ 0.597 χ^2 /NDF: 147058.0/18

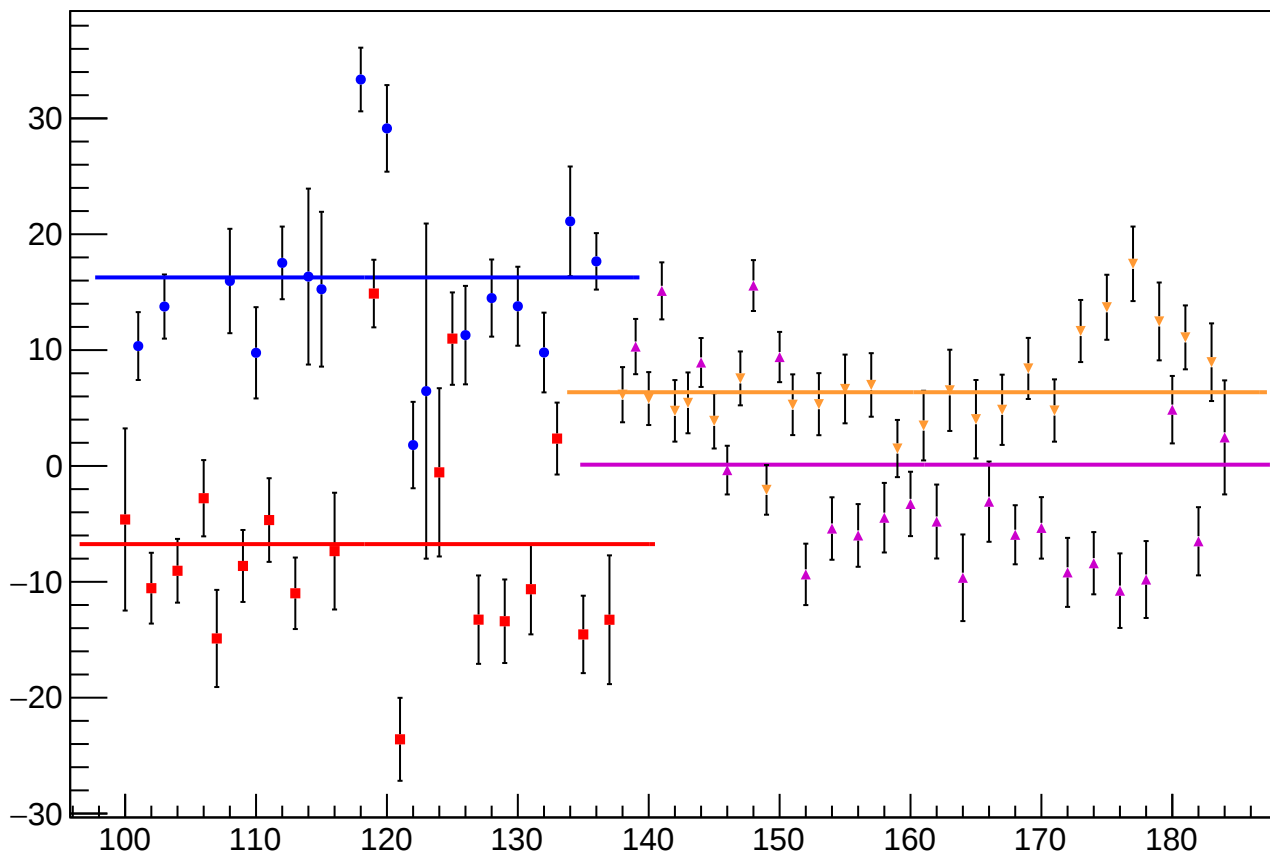
Left In: 2267.097 $\pm$ 0.395 χ^2 /NDF:1313364.4/22

+ sign 2284.214 $\pm$ 0.330 χ^2 /NDF: 1454268.1/40

All: 2270.524 $\pm$ 0.233 χ^2 /NDF: 2920313.3/82

- sign 2256.901 $\pm$ 0.329 χ^2 /NDF: 1462613.2/41

diff_bpm0i01Y_mean vs Slug



Right In: 16.273 ± 0.873 χ^2/NDF : 81.0/16

Left Out: 6.365 ± 0.553 χ^2/NDF : 53.6/23

Right Out: -6.745 ± 0.832 χ^2/NDF : 130.5/18

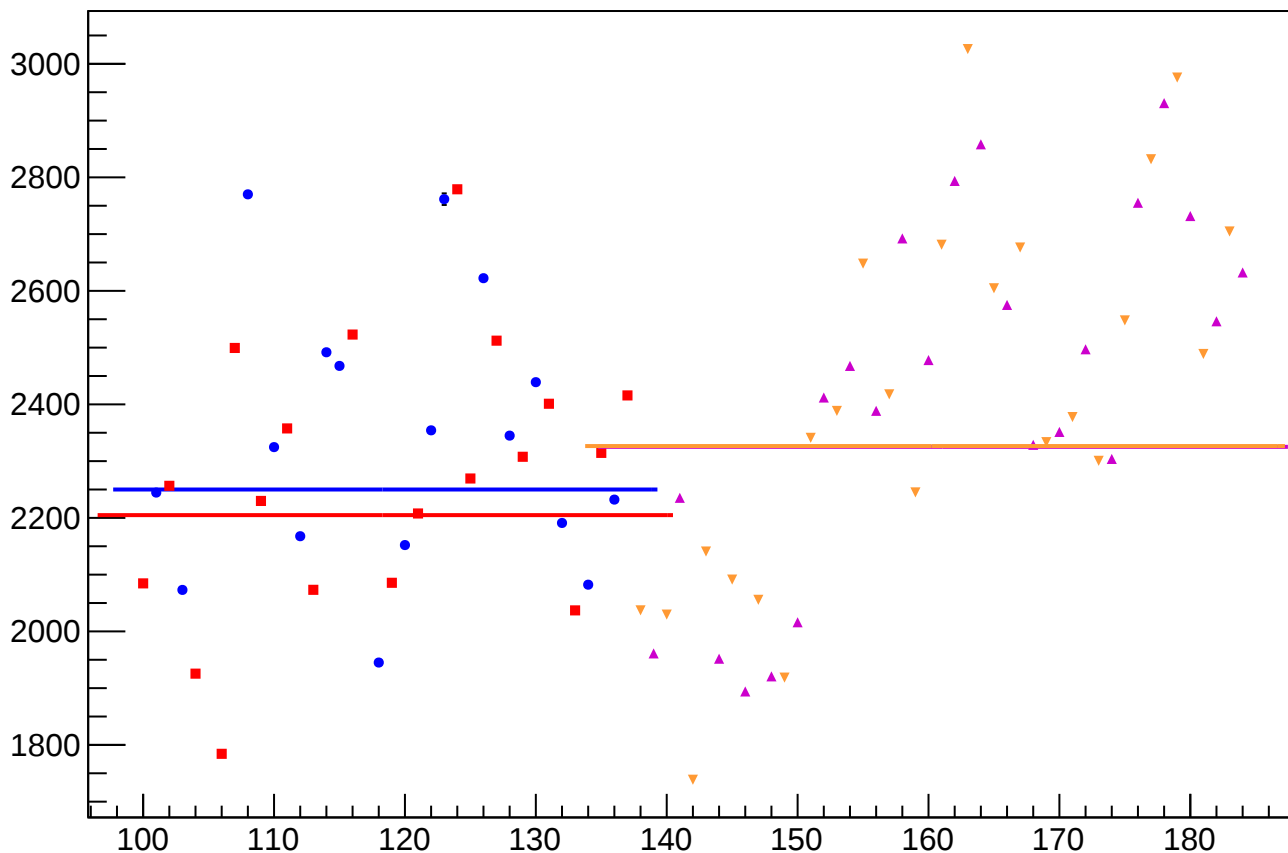
Left In: 0.110 ± 0.565 χ^2/NDF : 234.6/22

+ sign 9.201 ± 0.467 χ^2/NDF : 226.5/40

All: 3.579 ± 0.330 χ^2/NDF : 928.1/82

- sign -2.054 ± 0.468 χ^2/NDF : 411.5/41

diff_bpm0i01Y_rms vs Slug



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

Left Out: 2326.551 $\pm$ 0.391 χ^2 /NDF: 636880.2/23

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

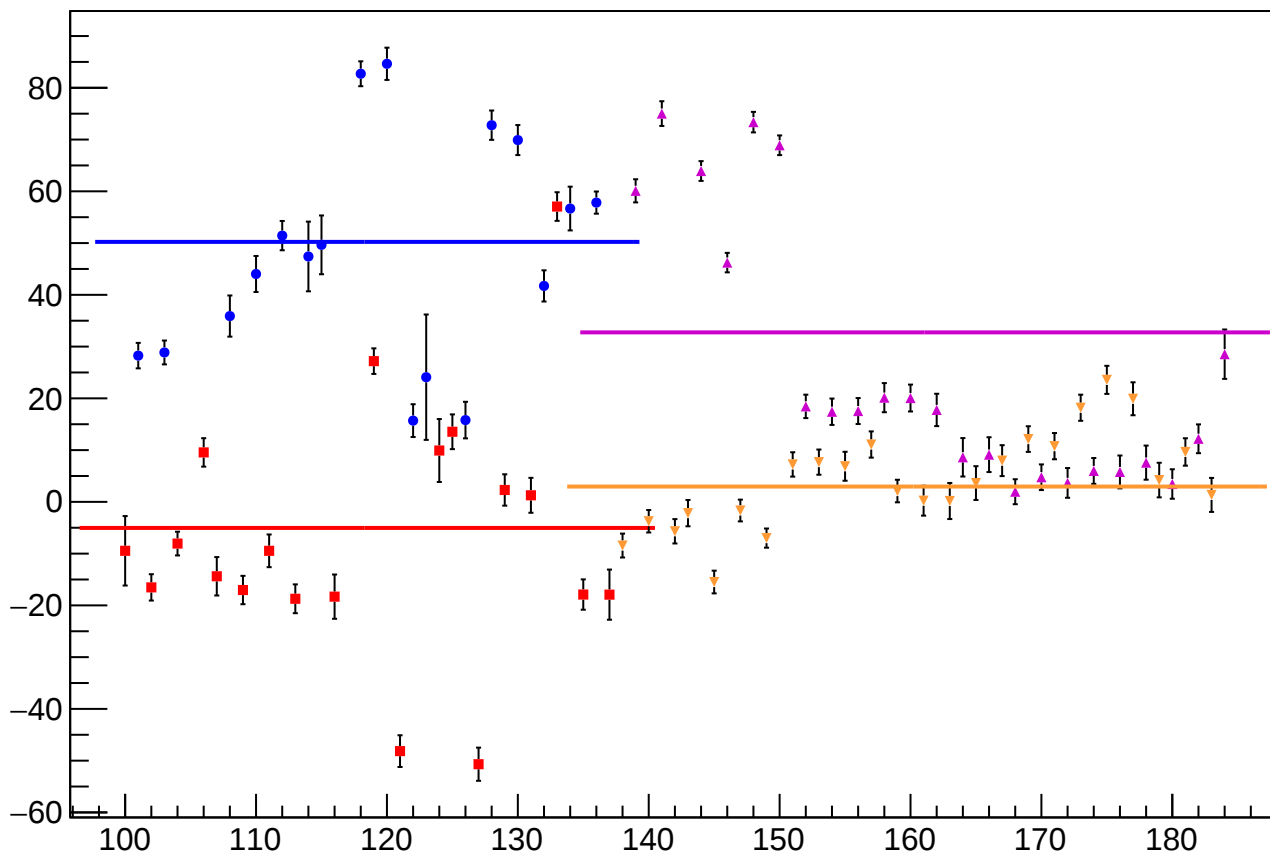
Left In: 2325.175 $\pm$ 0.400 χ^2 /NDF: 610729.2/22

+ sign 2304.633 $\pm$ 0.330 χ^2 /NDF: 745359.1/40

All: 2295.924 $\pm$ 0.234 χ^2 /NDF: 1512524.1/82

- sign 2287.199 $\pm$ 0.331 χ^2 /NDF: 765773.2/41

diff_bpm0i01aX_mean vs Slug



Right In: 50.230 $\pm$ 0.752 χ^2/NDF : 837.5/16

Left Out: 2.961 $\pm$ 0.517 χ^2/NDF : 332.2/23

Right Out: -5.035 $\pm$ 0.715 χ^2/NDF : 1259.3/18

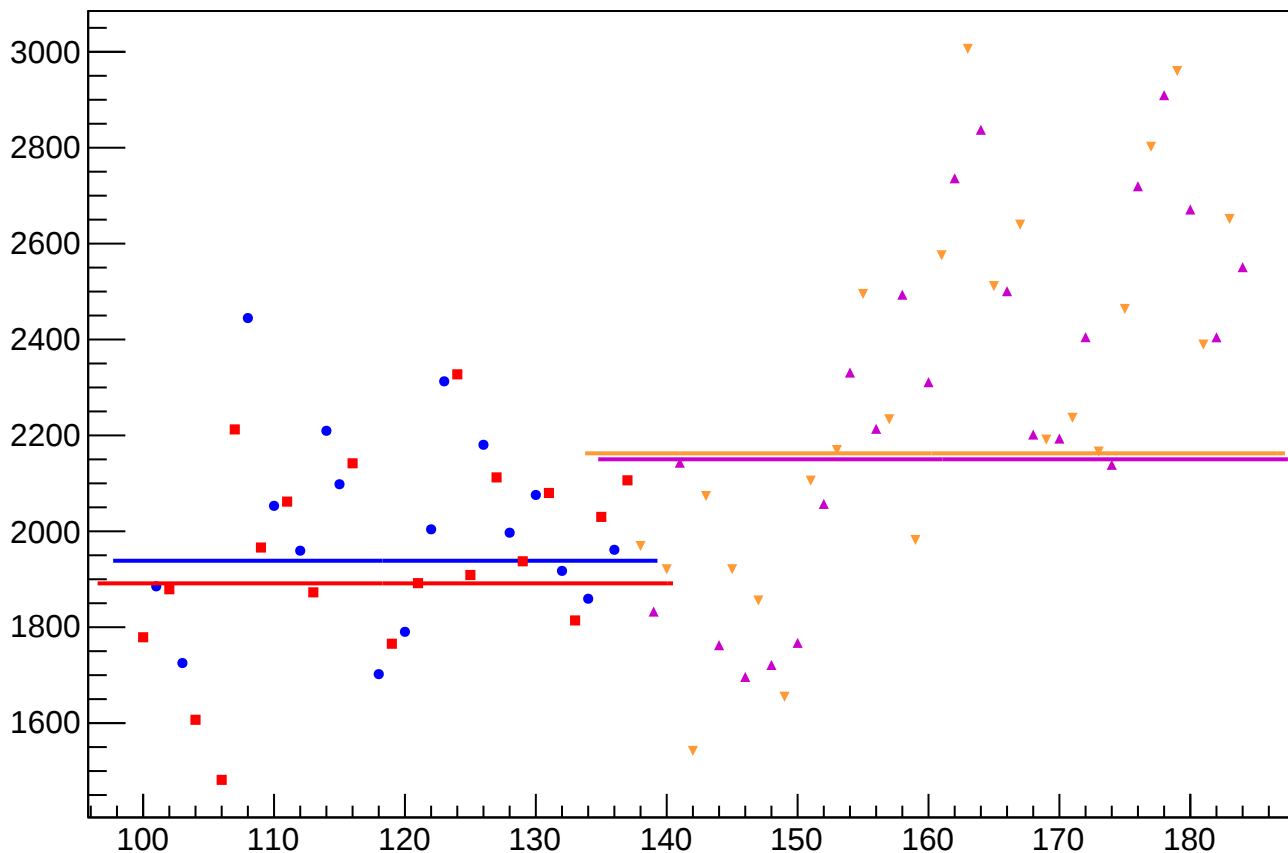
Left In: 32.745 $\pm$ 0.526 χ^2/NDF : 2632.5/22

+ sign 18.115 $\pm$ 0.426 χ^2/NDF : 3853.7/40

All: 18.793 $\pm$ 0.300 χ^2/NDF : 9563.2/82

- sign 19.465 $\pm$ 0.424 χ^2/NDF : 5704.5/41

diff_bpm0i01aX_rms vs Slug



Right In: 1938.613+/-0.532 χ^2/NDF : 100004.8/16

Left Out: 2162.629+/-0.365 χ^2/NDF : 954158.5/23

Right Out: 1891.458+/-0.505 χ^2/NDF : 146730.0/18

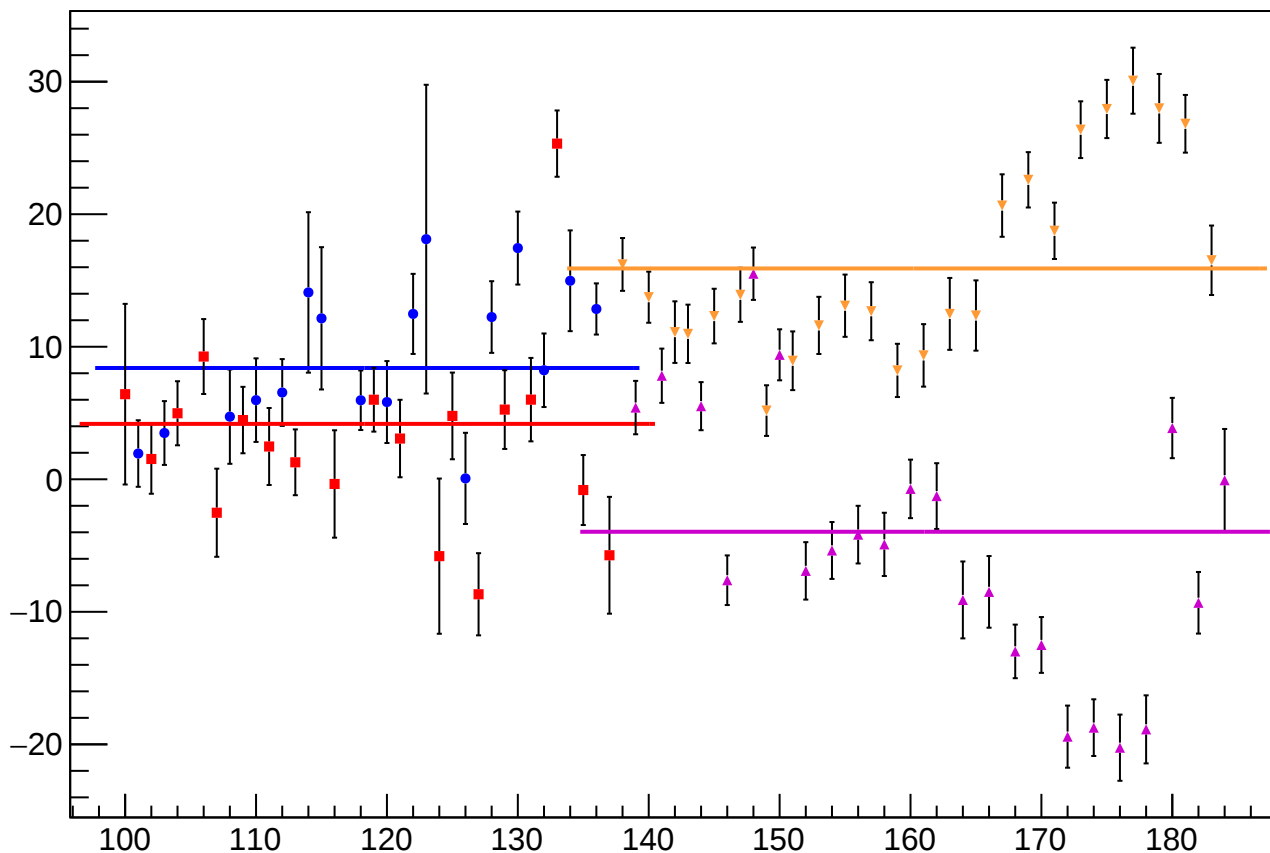
Left In: 2150.190+/-0.372 χ^2/NDF : 911849.7/22

+ sign 2090.812+/-0.301 χ^2/NDF : 1174726.6/40

All: 2074.947+/-0.212 χ^2/NDF : 2408851.7/82

- sign 2059.242+/-0.300 χ^2/NDF : 1228600.8/41

diff_bpm0i01aY_mean vs Slug



Right In: 8.398 ± 0.712 χ^2/NDF : 45.7/16

Left Out: 15.907 ± 0.452 χ^2/NDF : 238.5/23

Right Out: 4.180 ± 0.684 χ^2/NDF : 112.9/18

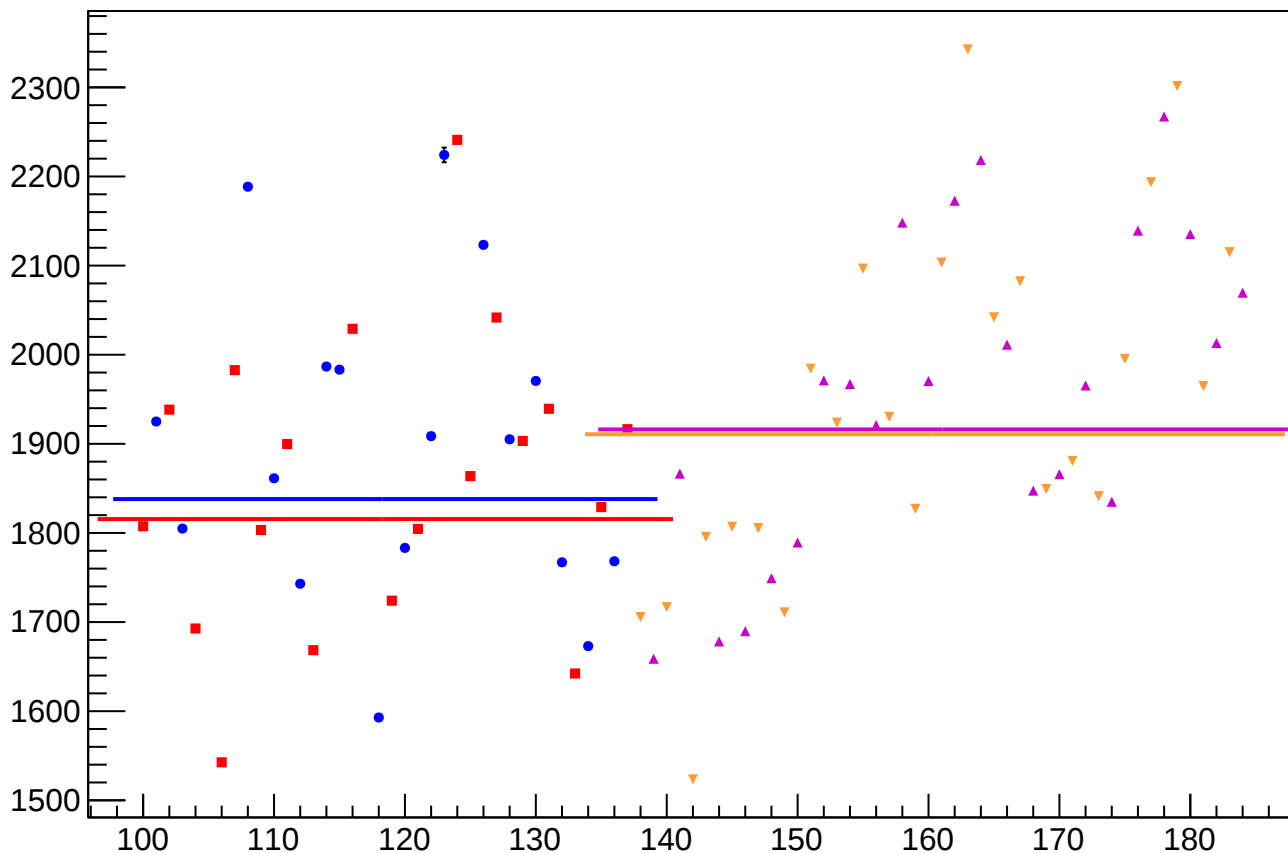
Left In: -3.960 ± 0.463 χ^2/NDF : 464.9/22

+ sign 13.753 ± 0.382 χ^2/NDF : 363.4/40

All: 6.209 ± 0.270 χ^2/NDF : 1823.7/82

- sign -1.402 ± 0.383 χ^2/NDF : 675.1/41

diff_bpm0i01aY_rms vs Slug



Right In: 1838.009 $\pm$ 0.504 χ^2 /NDF: 82831.2/16

Left Out: 1910.790 $\pm$ 0.320 χ^2 /NDF: 324300.7/23

Right Out: 1815.562 $\pm$ 0.483 χ^2 /NDF: 87647.1/18

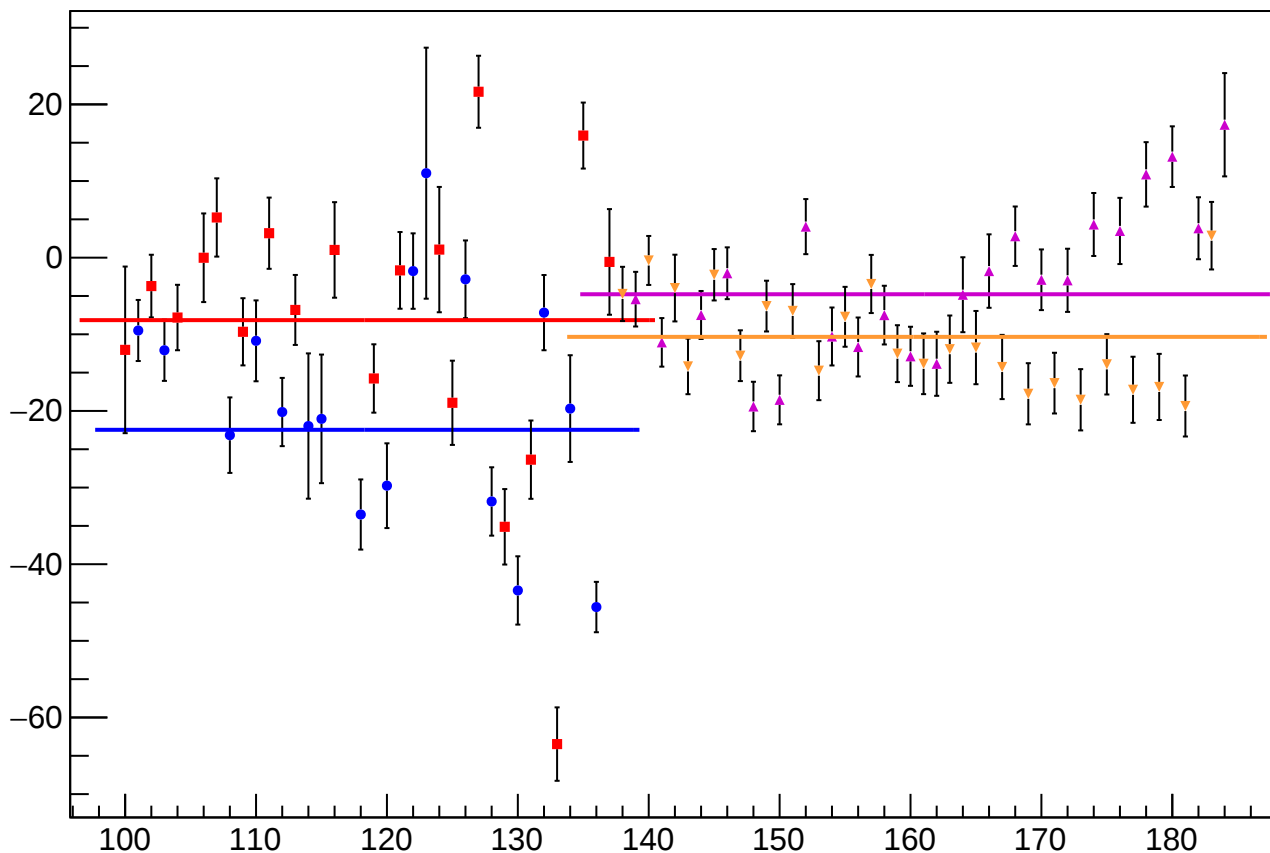
Left In: 1916.159 $\pm$ 0.327 χ^2 /NDF: 274285.3/22

+ sign 1889.912 $\pm$ 0.270 χ^2 /NDF: 422017.8/40

All: 1887.238 $\pm$ 0.191 χ^2 /NDF: 813845.9/82

- sign 1884.540 $\pm$ 0.271 χ^2 /NDF: 391630.8/41

diff_bpm0l01X_mean vs Slug



Right In: -22.463 $\pm$ 1.197 χ^2 /NDF: 152.8/16

Left Out: -10.334 $\pm$ 0.784 χ^2 /NDF: 61.4/23

Right Out: -8.153 $\pm$ 1.158 χ^2 /NDF: 277.0/18

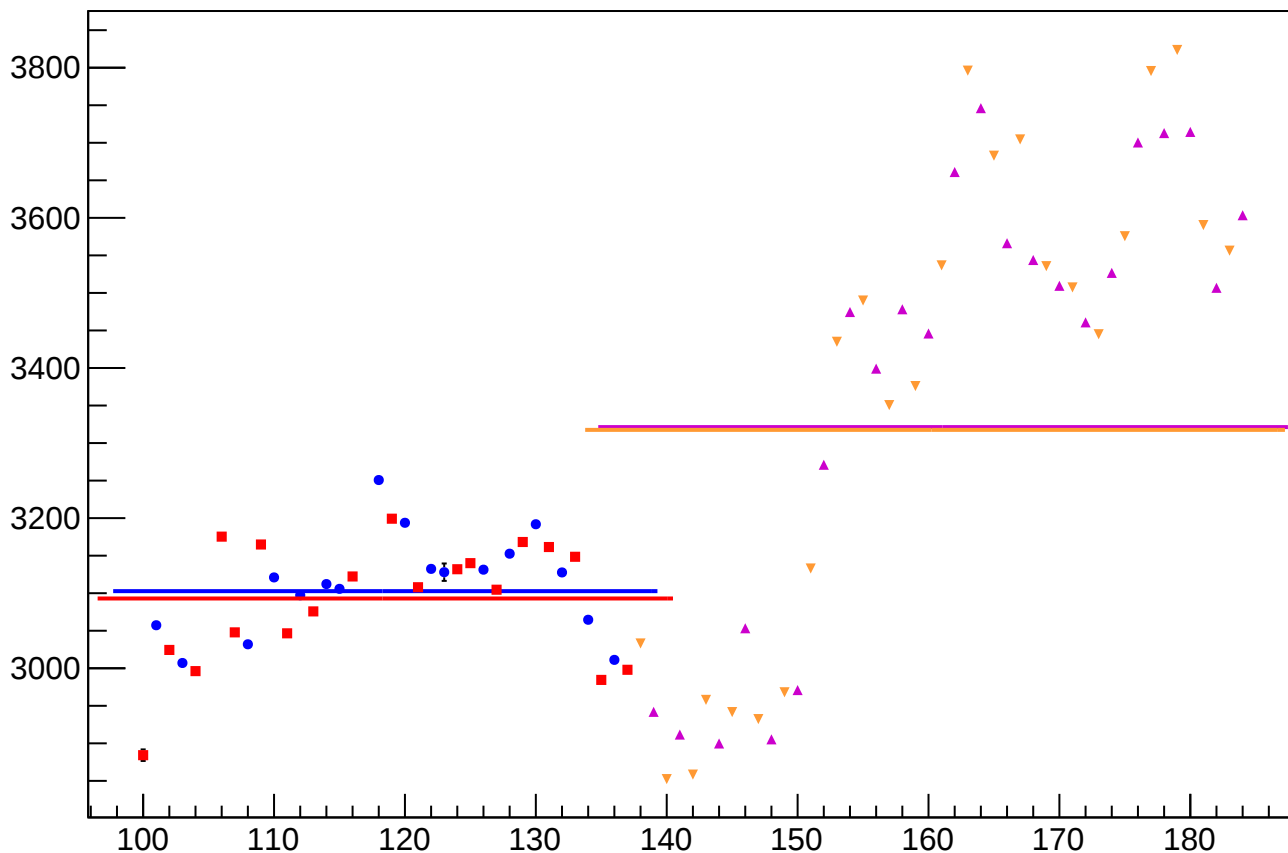
Left In: -4.774 $\pm$ 0.800 χ^2 /NDF: 128.5/22

+ sign -13.977 $\pm$ 0.656 χ^2 /NDF: 286.1/40

All: -9.938 $\pm$ 0.465 χ^2 /NDF: 773.5/82

- sign -5.866 $\pm$ 0.659 χ^2 /NDF: 411.2/41

diff_bpm0l01X_rms vs Slug



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

Left Out: 3317.567+/-0.554 χ^2/NDF : 330811.4/23

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

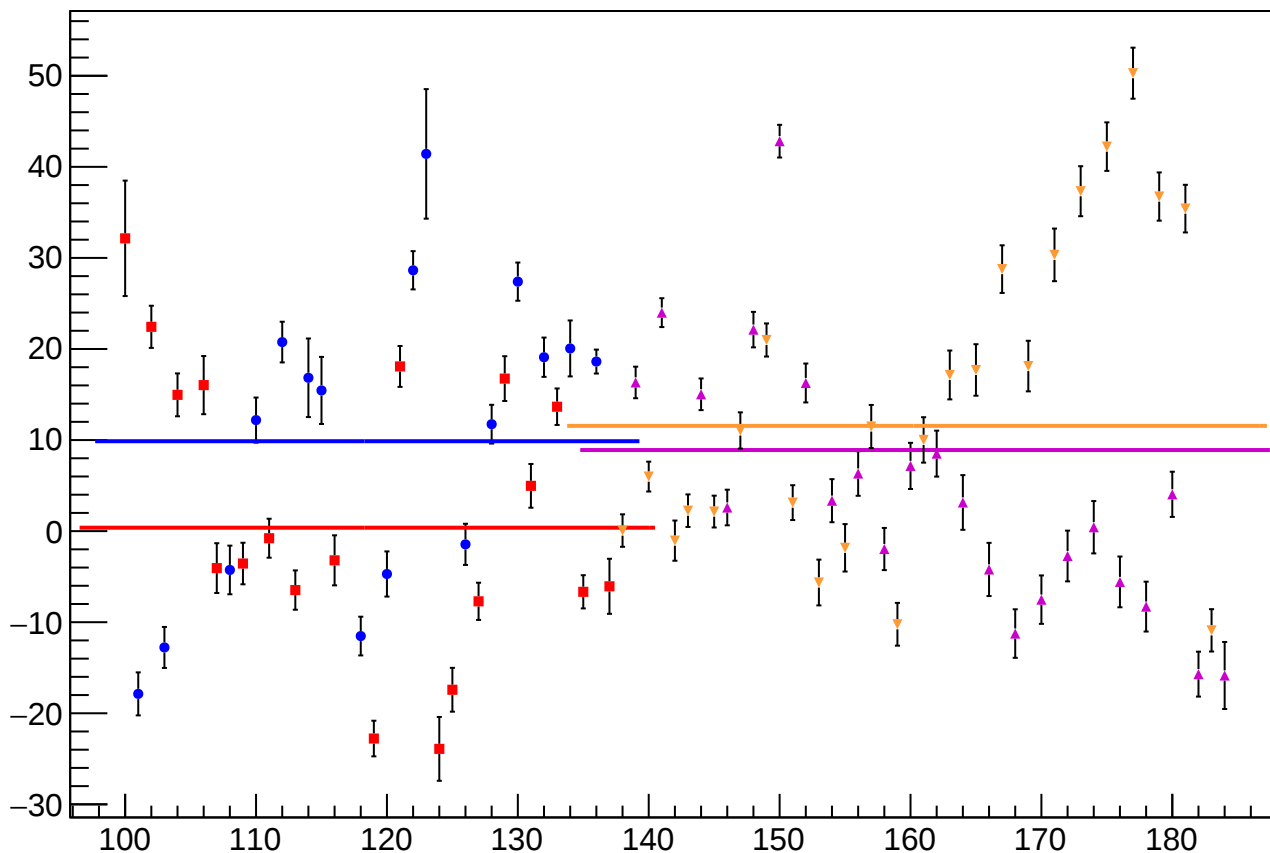
Left In: 3321.275+/-0.566 χ^2/NDF : 284334.2/22

+ sign 3253.057+/-0.464 χ^2/NDF : 383238.9/40

All: 3250.287+/-0.329 χ^2/NDF : 728028.4/82

- sign 3247.493+/-0.466 χ^2/NDF : 344717.9/41

diff_bpm0l01Y_mean vs Slug



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

Left Out: 11.559 ± 0.460 χ^2/NDF : 1126.6/23

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

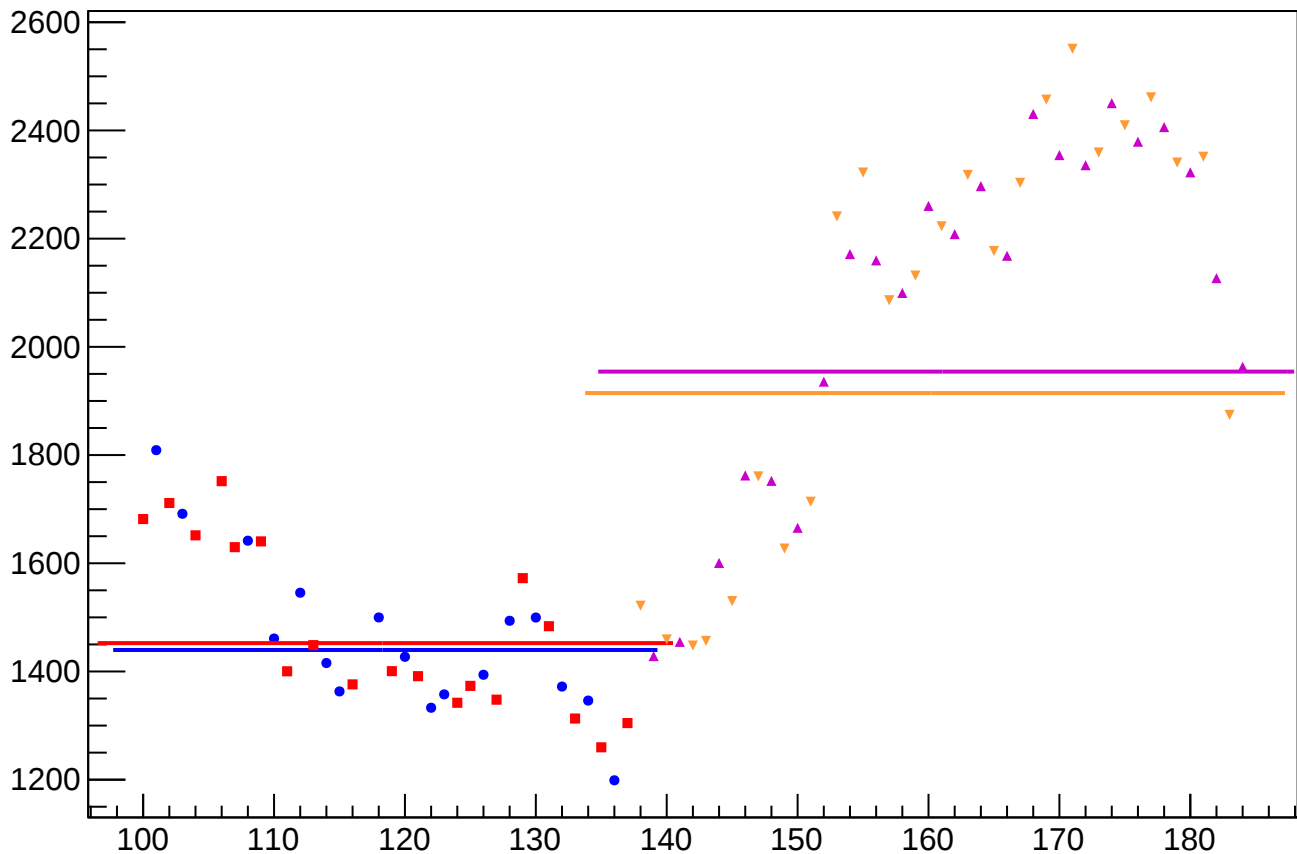
Left In: 8.905 ± 0.478 χ^2/NDF : 936.3/22

+ sign 10.880 ± 0.356 χ^2/NDF : 1833.6/40

All: 8.085 ± 0.253 χ^2/NDF : 3660.6/82

- sign 5.222 ± 0.360 χ^2/NDF : 1702.0/41

diff_bpm0l01Y_rms vs Slug



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

Left Out: 1914.582+/-0.325 χ^2 /NDF:1379785.6/23

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

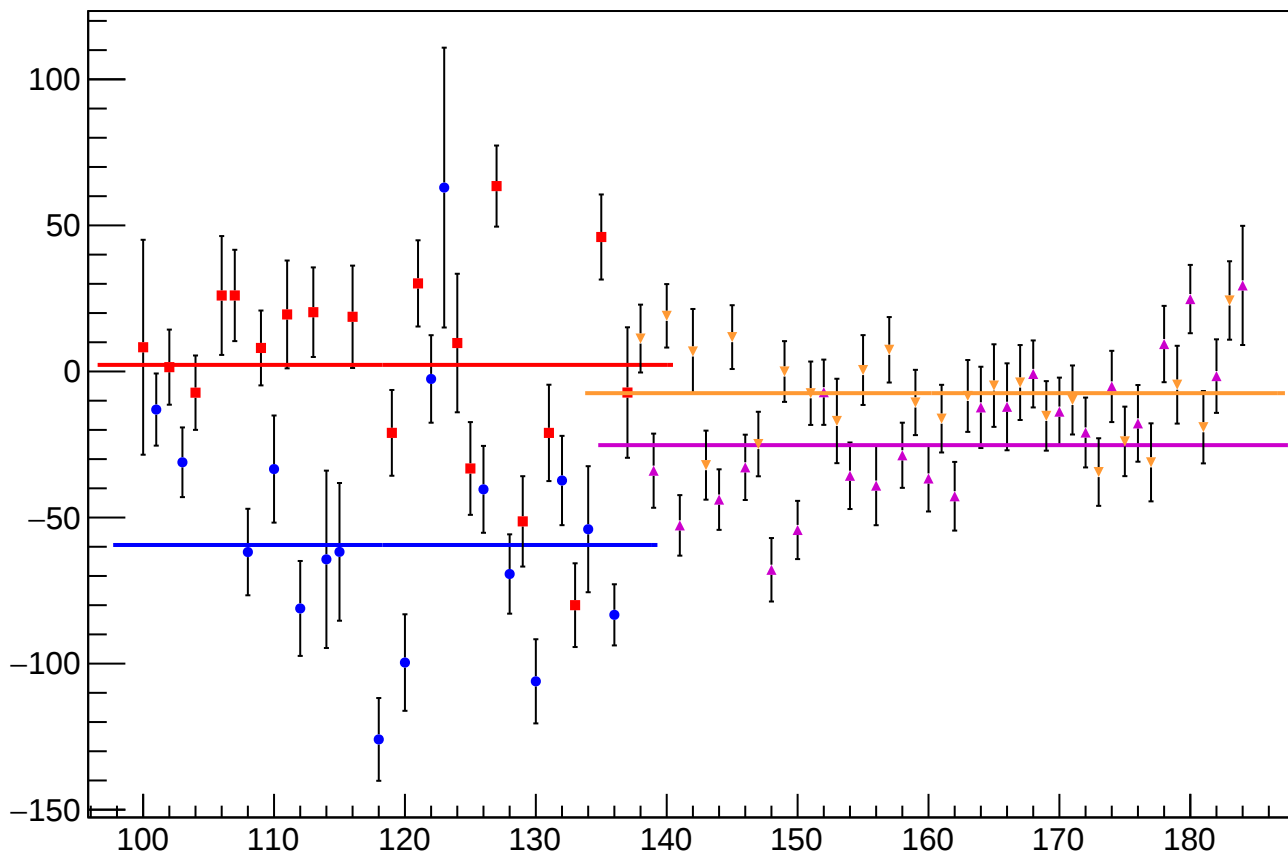
Left In: 1954.236+/-0.338 χ^2 /NDF:1044826.7/22

+ sign 1723.354+/-0.251 χ^2 /NDF: 2410192.6/40

All: 1730.376+/-0.179 χ^2 /NDF: 4548587.5/82

- sign 1737.570+/-0.255 χ^2 /NDF: 2136816.5/41

diff_bpm0l02X_mean vs Slug



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

Left Out: -7.424 ± 2.446 χ^2/NDF : 40.8/23

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

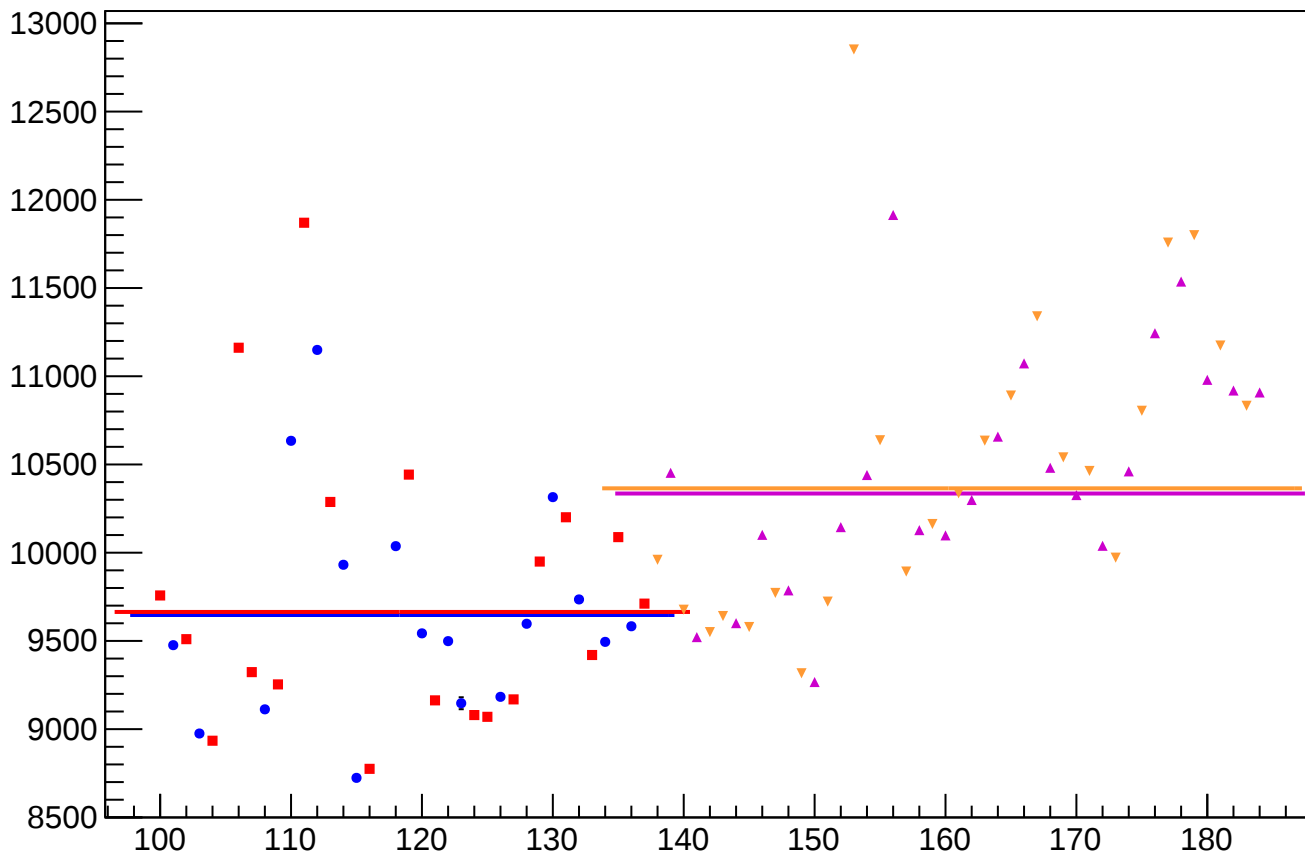
Left In: -25.215 ± 2.487 χ^2/NDF : 89.3/22

+ sign -23.021 ± 2.046 χ^2/NDF : 268.8/40

All: -19.752 ± 1.449 χ^2/NDF : 496.4/82

- sign -16.463 ± 2.053 χ^2/NDF : 222.5/41

diff_bpm0l02X_rms vs Slug



Right In: 9646.921 $\pm$ 2.641 χ^2/NDF : 43997.1/16

Left Out: 10364.769 $\pm$ 1.730 χ^2/NDF : 209028.7/23

Right Out: 9664.191 $\pm$ 2.571 χ^2/NDF : 77326.5/18

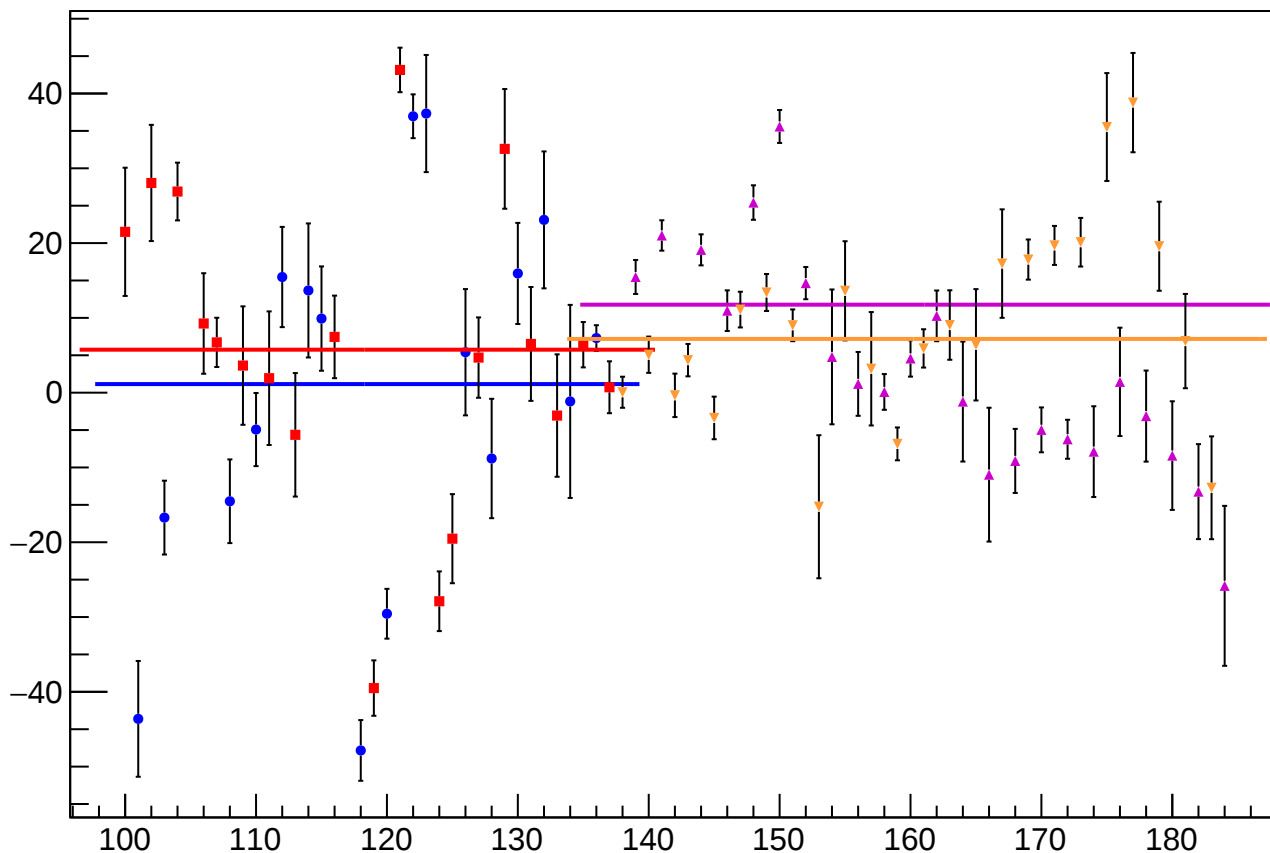
Left In: 10335.399 $\pm$ 1.758 χ^2/NDF : 127173.0/22

+ sign 10149.322 $\pm$ 1.447 χ^2/NDF : 304715.0/40

All: 10135.473 $\pm$ 1.025 χ^2/NDF : 555828.4/82

- sign 10121.541 $\pm$ 1.451 χ^2/NDF : 250929.7/41

diff_bpm0l02Y_mean vs Slug



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

Left Out: 7.187 ± 0.644 χ^2/NDF : 199.7/23

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

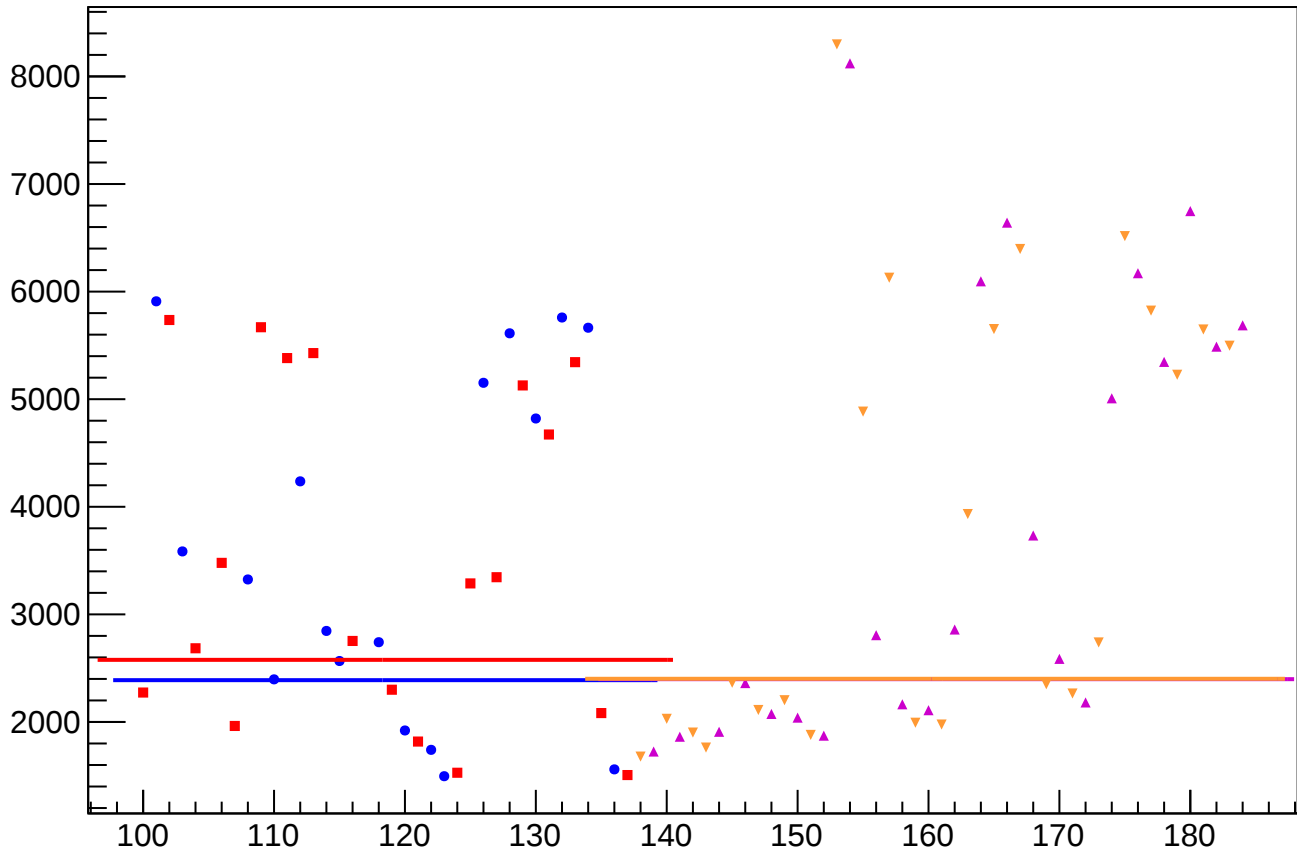
Left In: 11.766 ± 0.648 χ^2/NDF : 395.1/22

+ sign 5.574 ± 0.552 χ^2/NDF : 713.8/40

All: 7.861 ± 0.392 χ^2/NDF : 1621.1/82

- sign 10.197 ± 0.557 χ^2/NDF : 872.5/41

diff_bpm0l02Y_rms vs Slug



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

Left Out: 2401.286 $\pm$ 0.456 χ^2 /NDF: 6137143.6/23

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

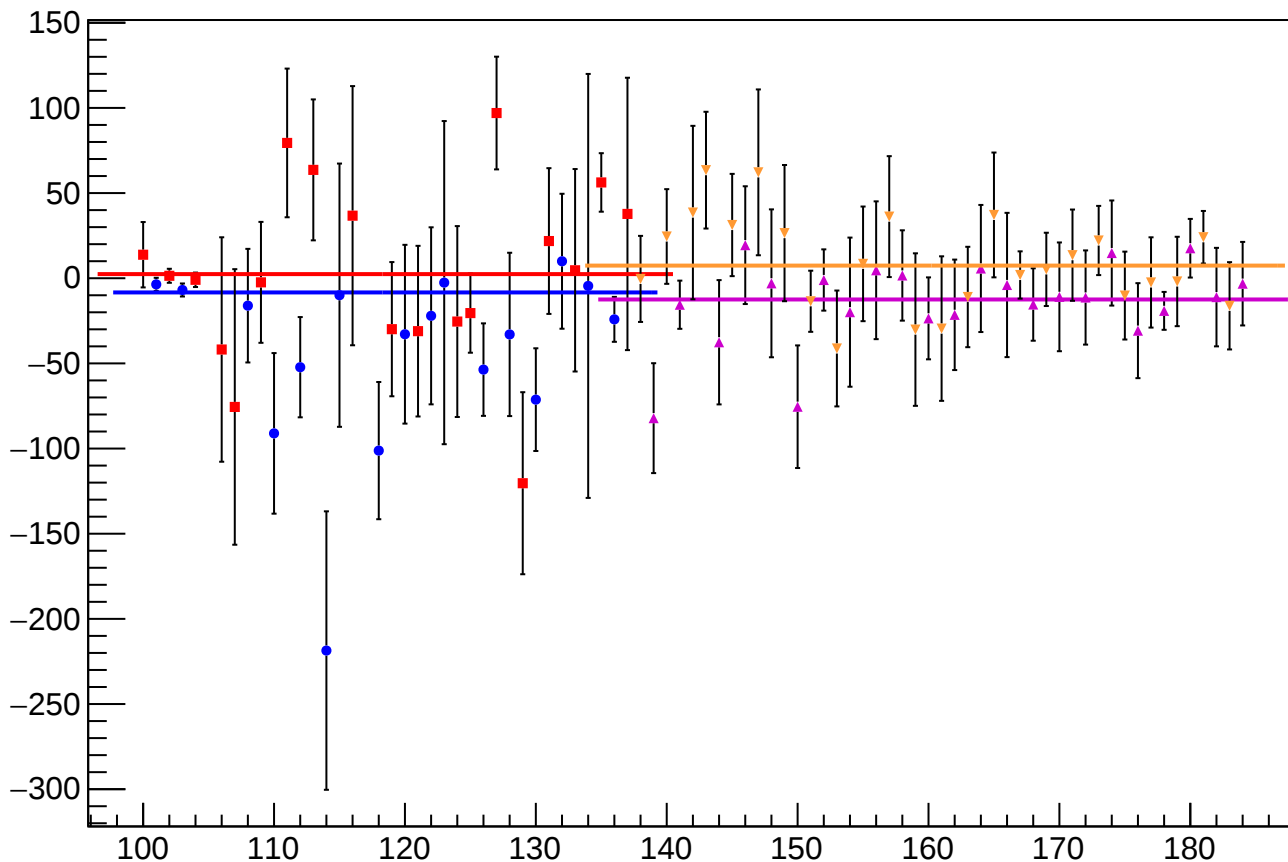
Left In: 2397.701 $\pm$ 0.458 χ^2 /NDF: 5398920.1/22

+ sign 2397.879 $\pm$ 0.390 χ^2 /NDF: 8726042.3/40

All: 2420.955 $\pm$ 0.277 χ^2 /NDF: 16530845.9/8

- sign 2444.529 $\pm$ 0.394 χ^2 /NDF: 7797726.4/41

diff_bpm0l03X_mean vs Slug



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

Left Out: 7.422 ± 5.262 χ^2/NDF : 15.7/23

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

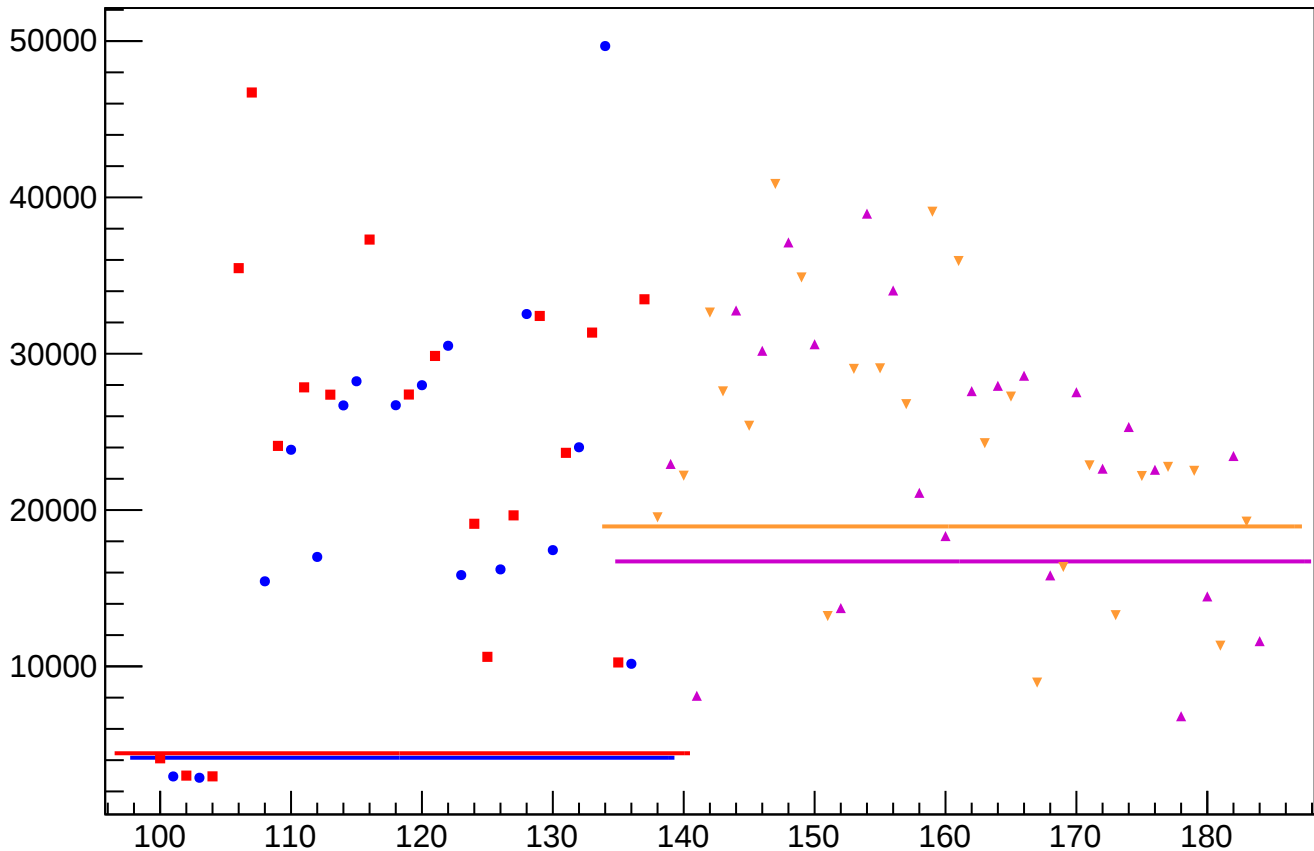
Left In: -12.469 ± 5.025 χ^2/NDF : 15.4/22

+ sign -5.268 ± 2.322 χ^2/NDF : 51.2/40

All: -3.275 ± 1.681 χ^2/NDF : 108.8/82

- sign -1.080 ± 2.437 χ^2/NDF : 56.1/41

diff_bpm0l03X_rms vs Slug



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

Left Out: 18951.789+/-3.721 χ^2/NDF : 4526616.3/23

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

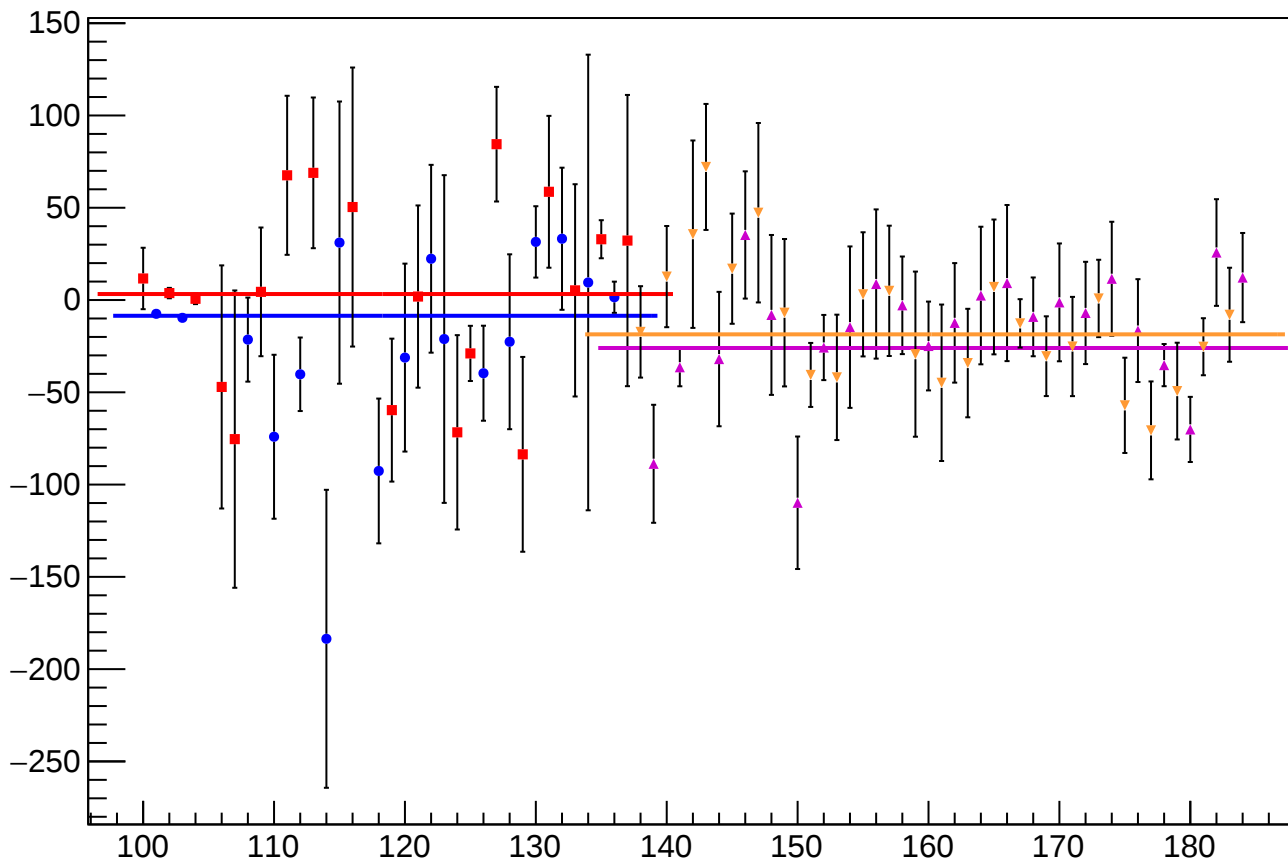
Left In: 16713.653+/-3.553 χ^2/NDF : 6194178.8/22

+ sign 7038.464+/-1.642 χ^2/NDF : 23234620.1/40

All: 7176.332+/-1.189 χ^2/NDF : 45965516.7/8

- sign 7328.178+/-1.723 χ^2/NDF : 22716085.0/41

diff_bpm0l03Y_mean vs Slug



Right In: -8.536 ± 1.778 χ^2/NDF : 24.0/16

Left Out: -18.595 ± 5.203 χ^2/NDF : 26.2/23

Right Out: 3.248 ± 1.922 χ^2/NDF : 36.9/18

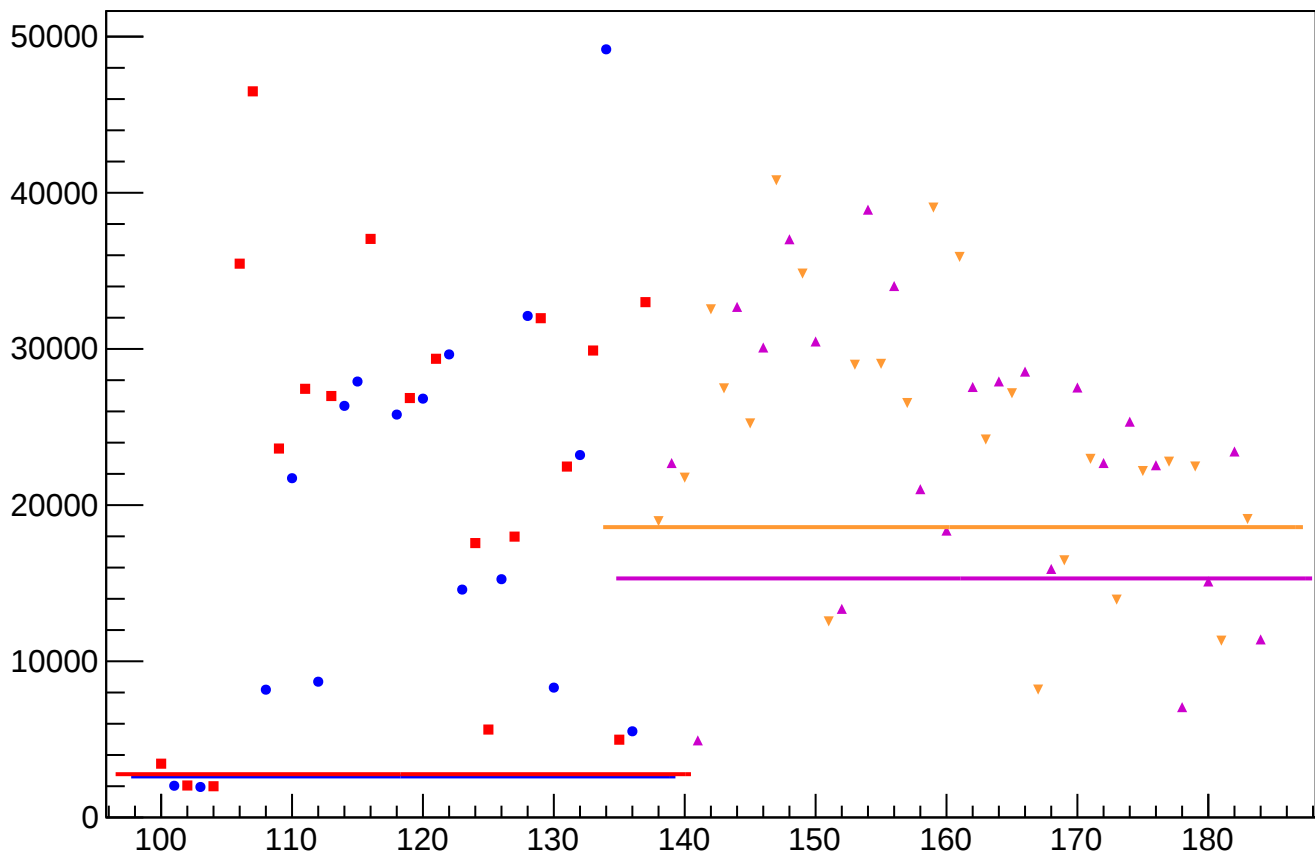
Left In: -25.991 ± 4.789 χ^2/NDF : 32.6/22

+ sign -9.588 ± 1.682 χ^2/NDF : 53.6/40

All: -5.456 ± 1.224 χ^2/NDF : 168.0/82

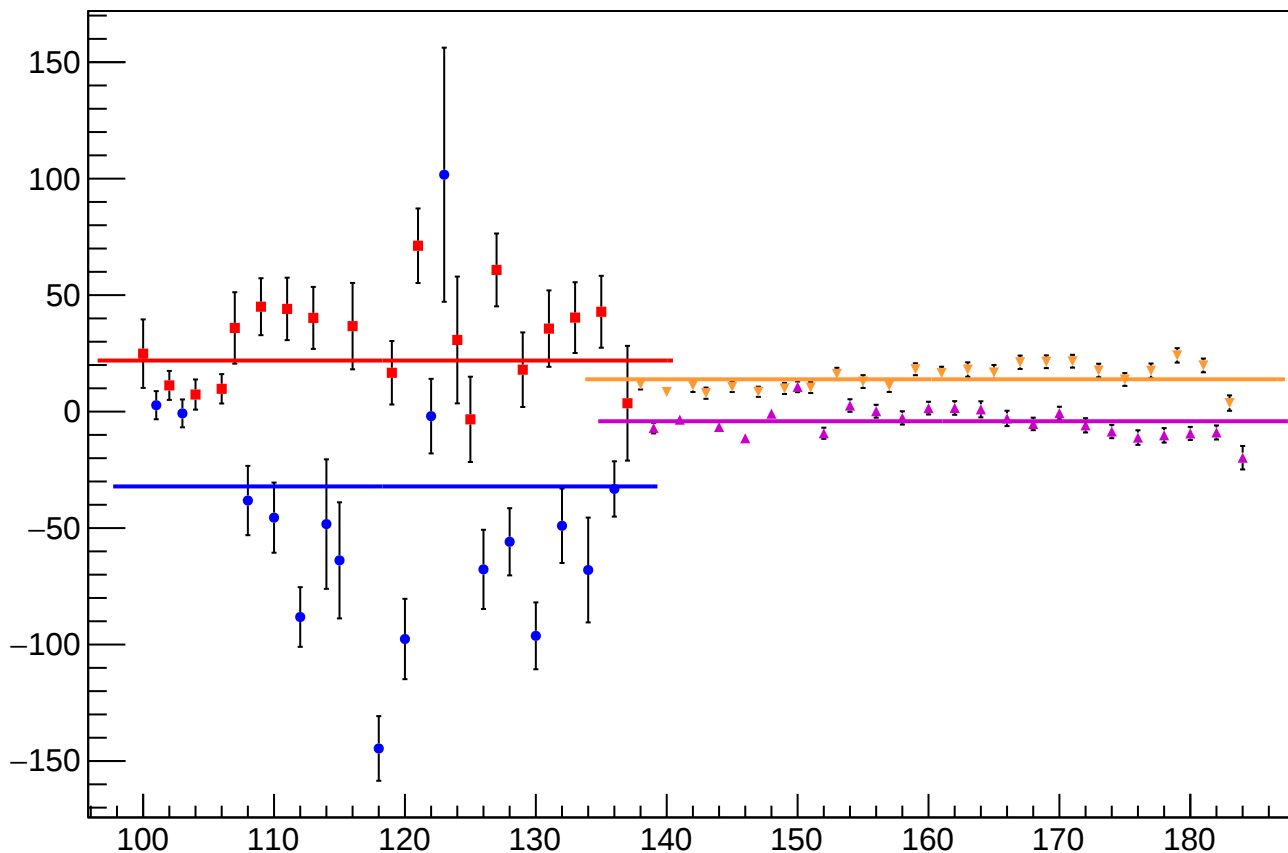
- sign -0.810 ± 1.784 χ^2/NDF : 101.6/41

diff_bpm0l03Y_rms vs Slug



Right In: 2627.104+/-1.257	χ^2/NDF : 5569866.4/16	+ sign 4296.580+/-1.190	χ^2/NDF : 27254154.5/40
Left Out: 18590.163+/-3.679	χ^2/NDF : 4824428.8/23	All: 4397.063+/-0.865	χ^2/NDF : 54603982.4/8
Right Out: 2770.651+/-1.359	χ^2/NDF : 7812778.8/18	- sign 4510.029+/-1.261	χ^2/NDF : 27334674.0/41
Left In: 15305.311+/-3.386	χ^2/NDF : 7721177.0/22		

diff_bpm0l04X_mean vs Slug



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

Left Out: 13.863 ± 0.540 χ^2/NDF : 85.2/23

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

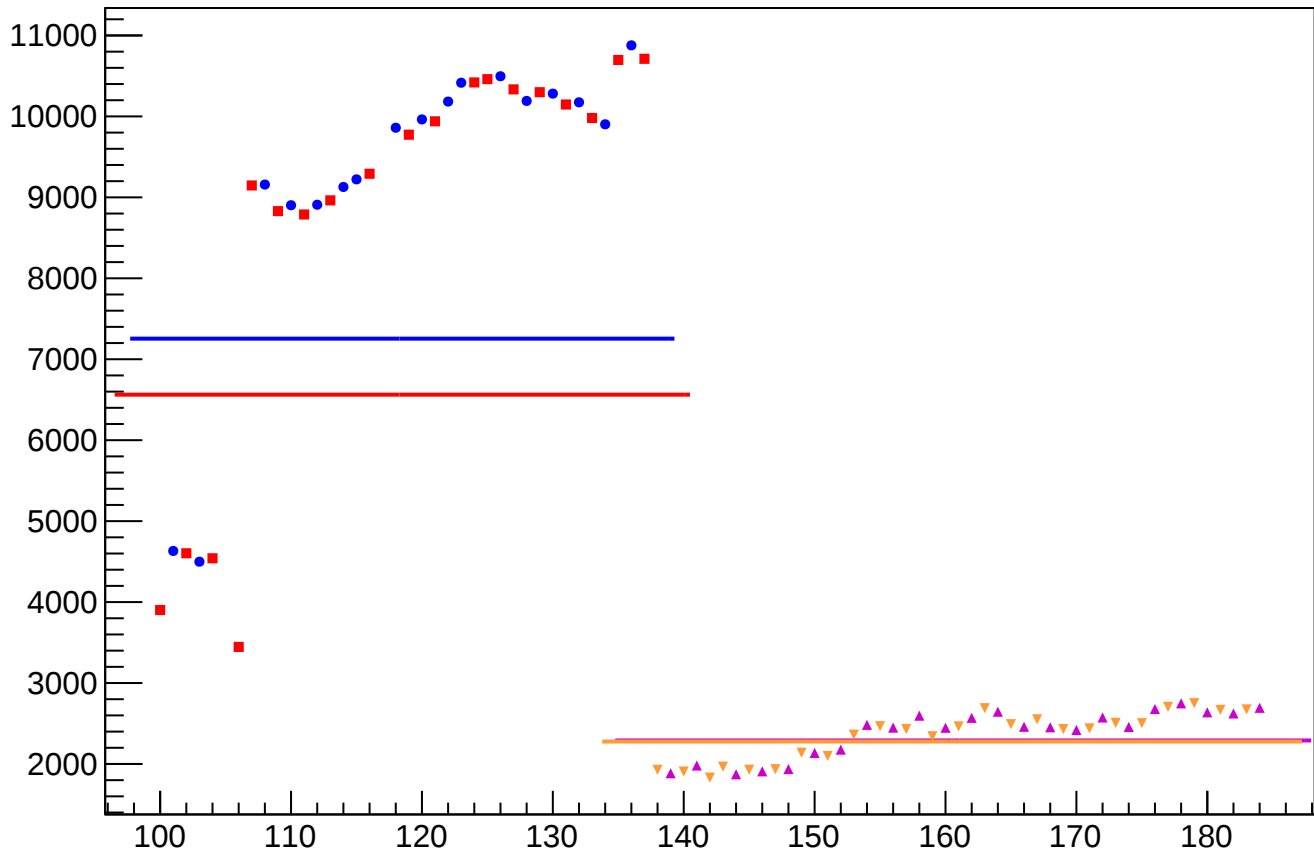
Left In: -4.141 ± 0.555 χ^2/NDF : 111.7/22

+ sign 12.404 ± 0.532 χ^2/NDF : 518.4/40

All: 4.836 ± 0.380 χ^2/NDF : 1179.2/82

- sign -3.063 ± 0.543 χ^2/NDF : 246.8/41

diff_bpm0l04X_rms vs Slug



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

Left Out: 2277.443 $\pm$ 0.382 χ^2 /NDF: 588074.3/23

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

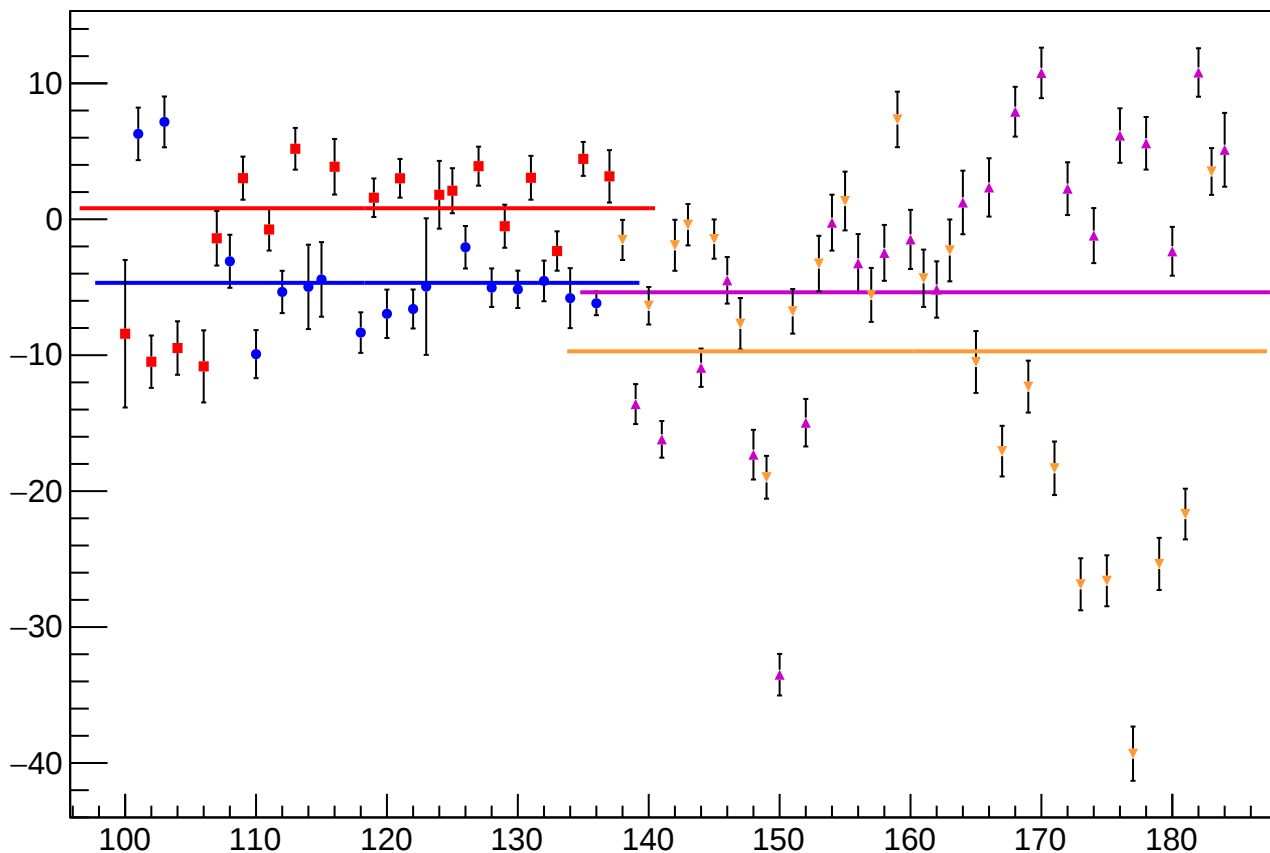
Left In: 2290.461 $\pm$ 0.392 χ^2 /NDF: 590272.1/22

+ sign 2435.400 $\pm$ 0.376 χ^2 /NDF: 7606183.3/40

All: 2450.901 $\pm$ 0.269 χ^2 /NDF: 15293443.3/8

- sign 2467.081 $\pm$ 0.384 χ^2 /NDF: 7683785.7/41

diff_bpm0l04Y_mean vs Slug



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

Left Out: -9.716 ± 0.370 χ^2/NDF : 875.0/23

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

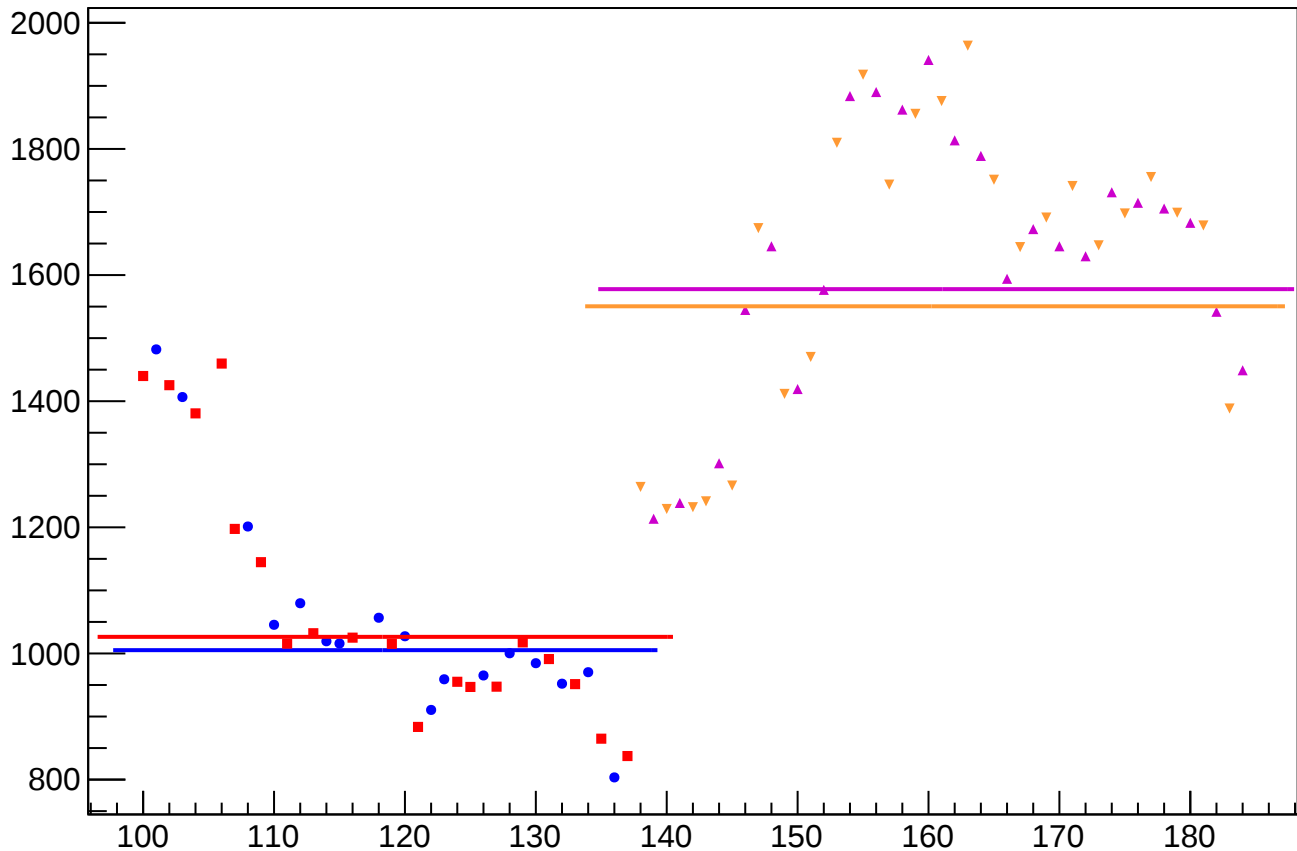
Left In: -5.372 ± 0.383 χ^2/NDF : 869.8/22

+ sign -7.352 ± 0.269 χ^2/NDF : 1059.7/40

All: -4.875 ± 0.192 χ^2/NDF : 2352.8/82

- sign -2.331 ± 0.273 χ^2/NDF : 1121.7/41

diff_bpm0l04Y_rms vs Slug



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

Left Out: 1550.478+/-0.261 χ^2/NDF : 825486.5/23

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

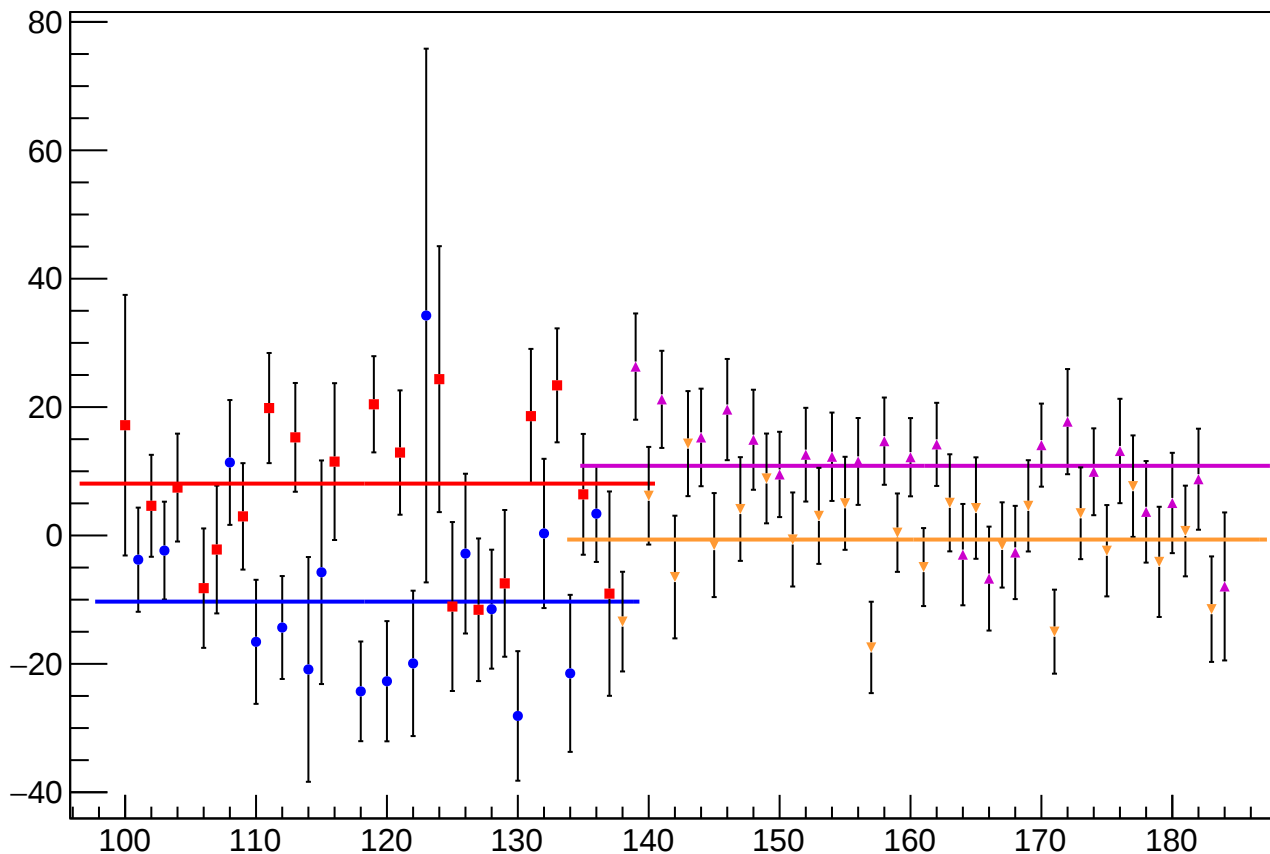
Left In: 1577.685+/-0.271 χ^2/NDF : 625406.2/22

+ sign 1294.730+/-0.190 χ^2/NDF : 3227898.4/40

All: 1300.551+/-0.136 χ^2/NDF : 6227552.4/82

- sign 1306.527+/-0.193 χ^2/NDF : 2997761.8/41

diff_bpm0l05X_mean vs Slug



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

Left Out: -0.635 ± 1.502 χ^2/NDF : 26.2/23

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

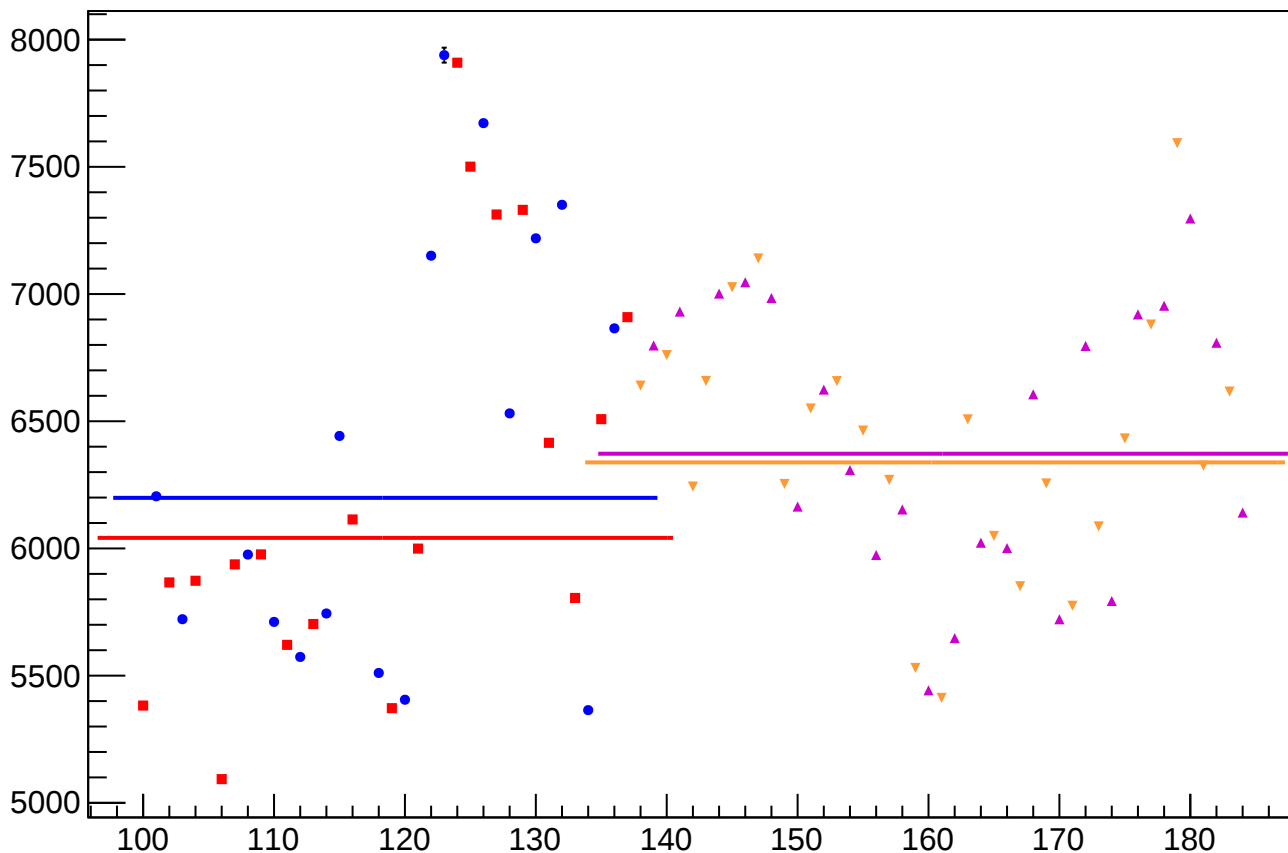
Left In: 10.851 ± 1.542 χ^2/NDF : 24.4/22

+ sign -3.339 ± 1.275 χ^2/NDF : 60.9/40

All: 3.311 ± 0.902 χ^2/NDF : 164.2/82

- sign 9.982 ± 1.277 χ^2/NDF : 48.8/41

diff_bpm0l05X_rms vs Slug



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

Left Out: 6338.250+/-1.062 χ^2/NDF : 221202.1/23

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

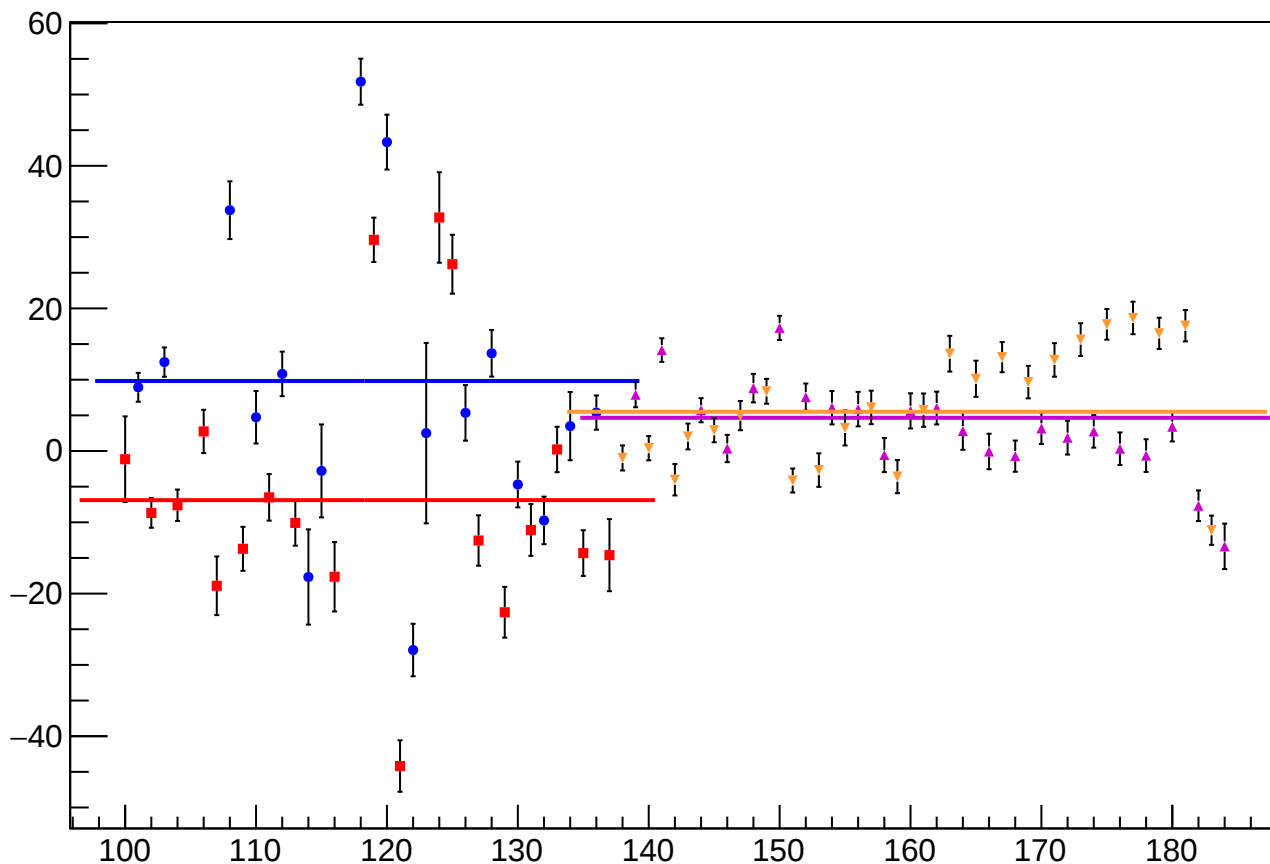
Left In: 6372.349+/-1.090 χ^2/NDF : 247257.0/22

+ sign 6299.286+/-0.902 χ^2/NDF : 397320.2/40

All: 6283.982+/-0.638 χ^2/NDF : 830407.5/82

- sign 6268.630+/-0.903 χ^2/NDF : 432510.3/41

diff_bpm0l05Y_mean vs Slug



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

Left Out: 5.505 ± 0.426 χ^2/NDF : 357.1/23

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

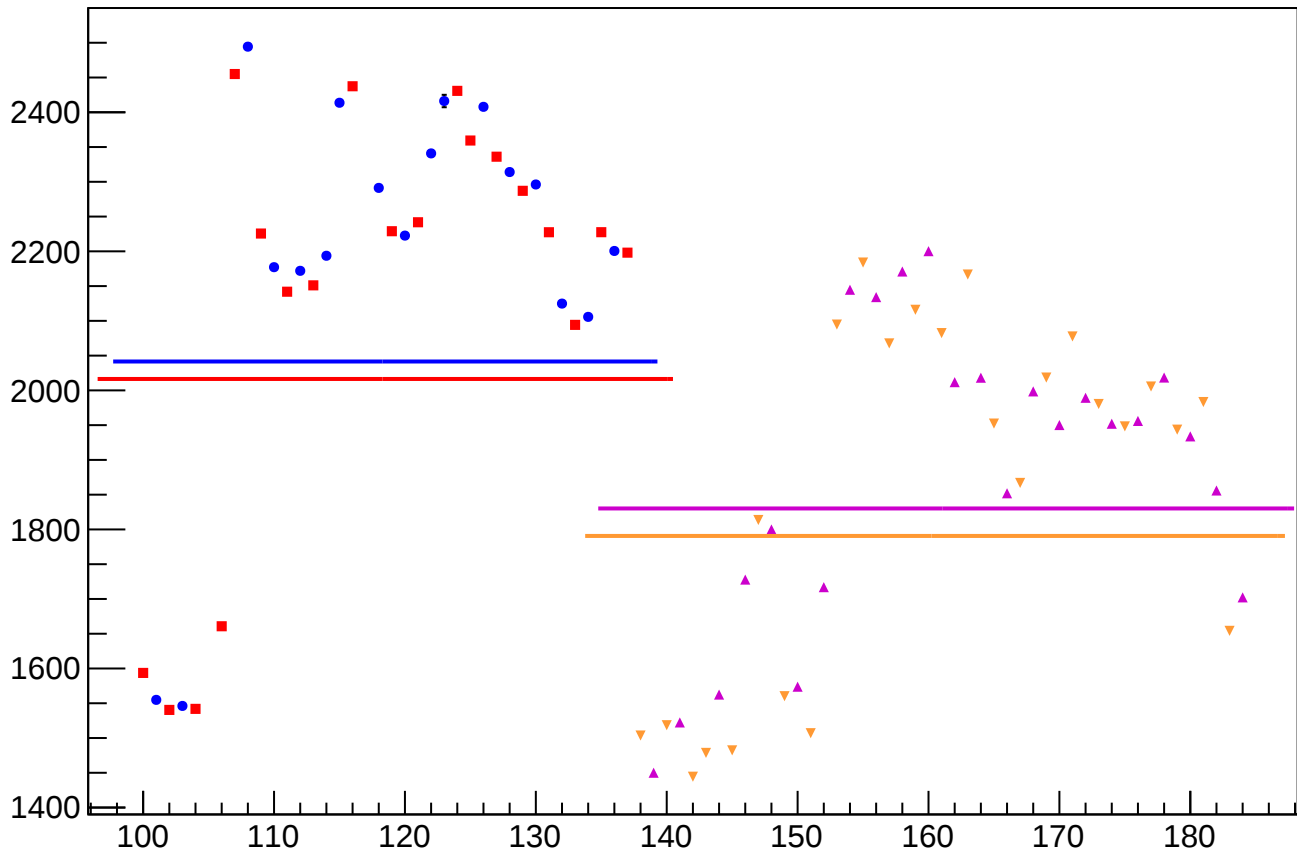
Left In: 4.657 ± 0.443 χ^2/NDF : 196.5/22

+ sign 6.462 ± 0.376 χ^2/NDF : 852.5/40

All: 4.158 ± 0.269 χ^2/NDF : 1711.3/82

- sign 1.758 ± 0.384 χ^2/NDF : 782.1/41

diff_bpm0l05Y_rms vs Slug



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

Left Out: 1790.647 $\pm$ 0.301 χ^2 /NDF:736067.6/23

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

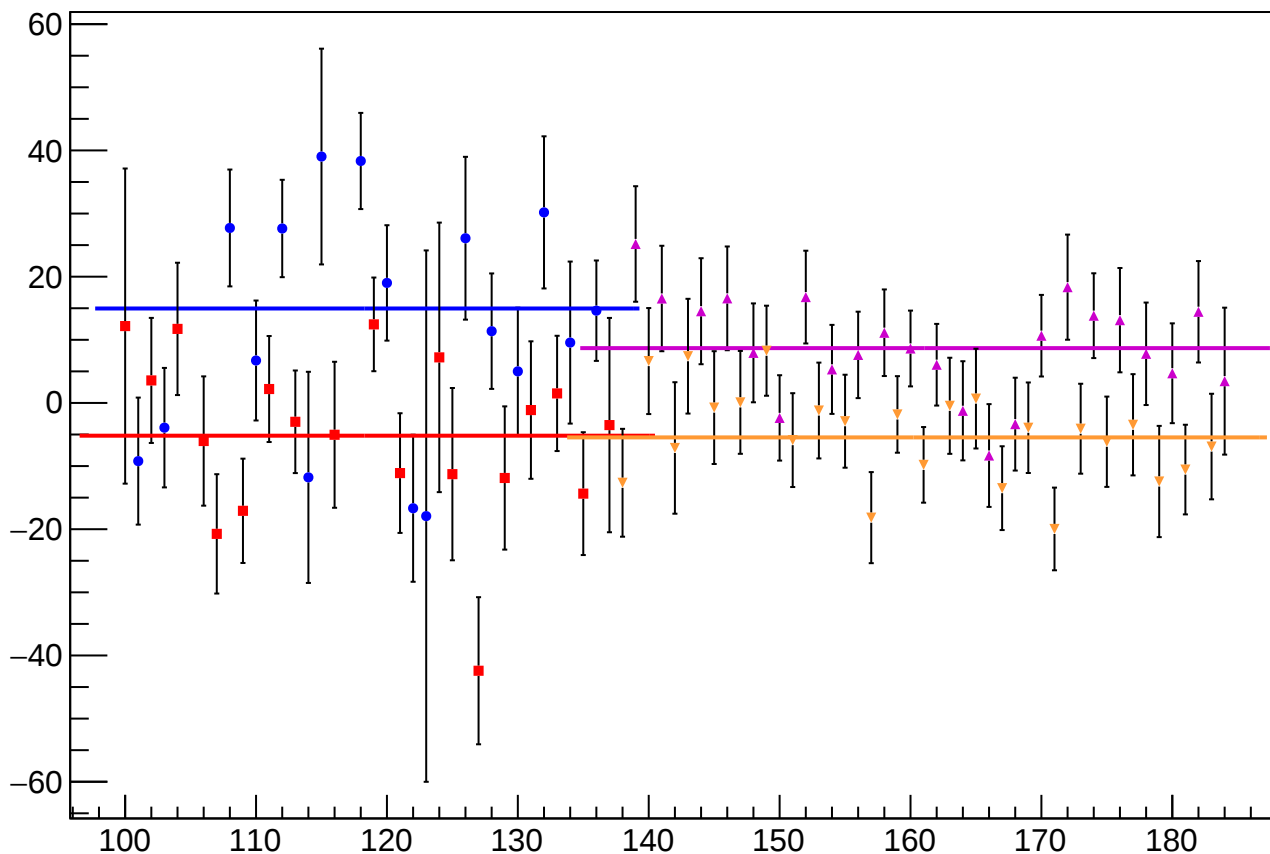
Left In: 1830.160 $\pm$ 0.313 χ^2 /NDF:508391.9/22

+ sign 1846.328 $\pm$ 0.266 χ^2 /NDF: 1246125.9/40

All: 1861.308 $\pm$ 0.190 χ^2 /NDF: 2224764.3/82

- sign 1876.913 $\pm$ 0.271 χ^2 /NDF: 972154.3/41

diff_bpm0l06X_mean vs Slug



Right In: 14.961 $\pm$ 2.490 χ^2 /NDF: 40.9/16

Left Out: -5.458 $\pm$ 1.533 χ^2 /NDF: 22.4/23

Right Out: -5.187 $\pm$ 2.360 χ^2 /NDF: 28.2/18

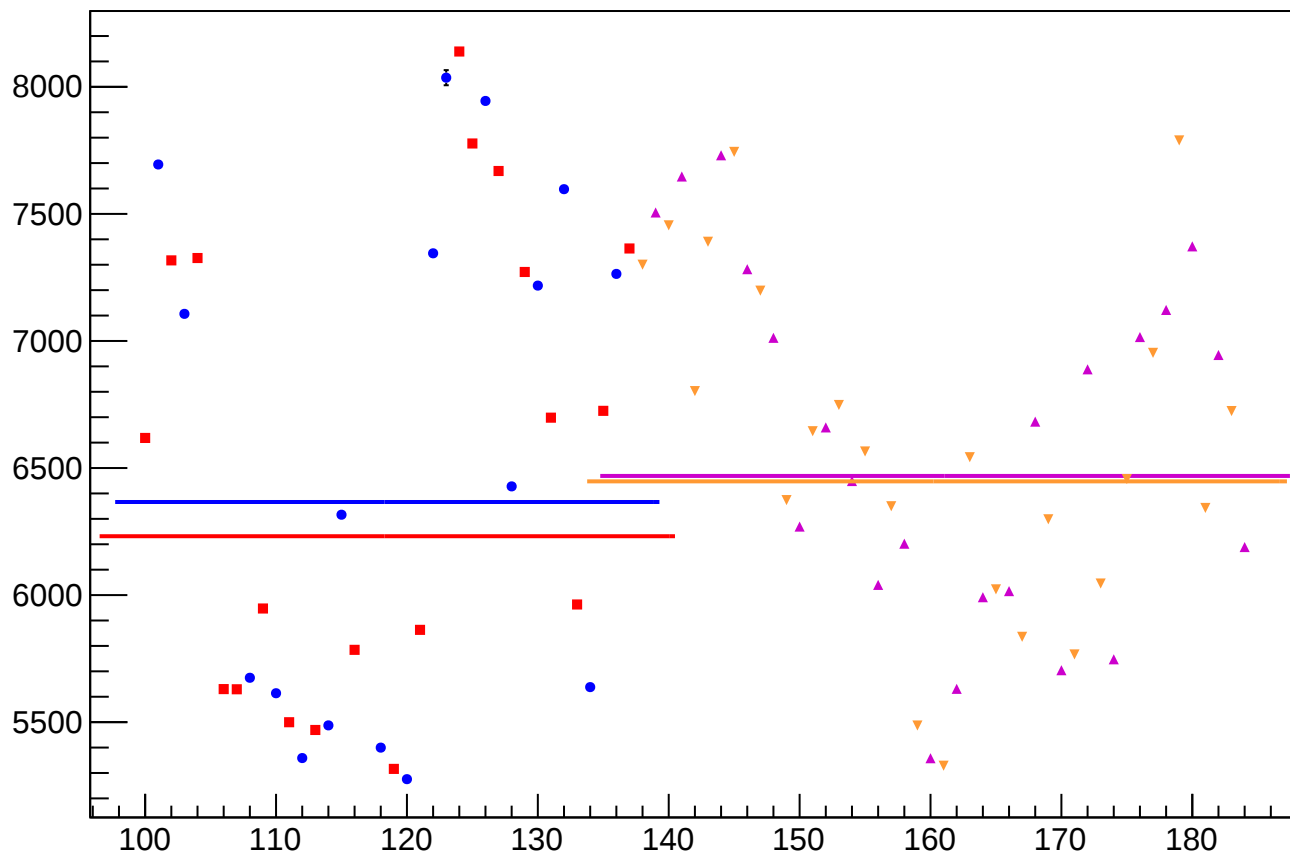
Left In: 8.683 $\pm$ 1.571 χ^2 /NDF: 21.9/22

+ sign 0.158 $\pm$ 1.306 χ^2 /NDF: 112.1/40

All: 2.289 $\pm$ 0.924 χ^2 /NDF: 191.5/82

- sign 4.425 $\pm$ 1.307 χ^2 /NDF: 74.1/41

diff_bpm0l06X_rms vs Slug



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

Left Out: 6447.539+/-1.084 χ^2/NDF : 366236.6/23

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

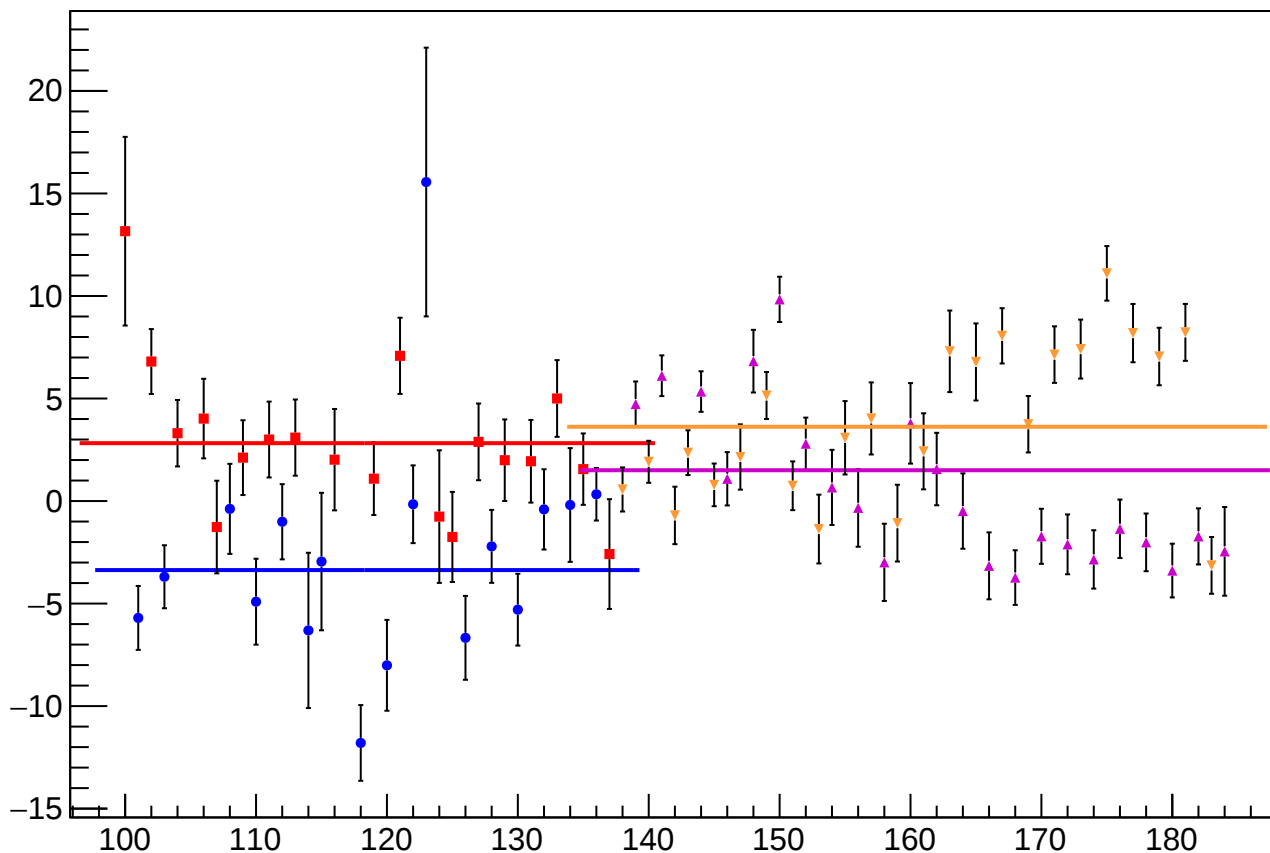
Left In: 6468.902+/-1.111 χ^2/NDF : 383325.4/22

+ sign 6425.207+/-0.923 χ^2/NDF : 653346.2/40

All: 6410.660+/-0.653 χ^2/NDF : 1292486.4/82

- sign 6396.073+/-0.925 χ^2/NDF : 638643.0/41

diff_bpm0l06Y_mean vs Slug



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

Left Out: 3.622 ± 0.280 χ^2/NDF : 166.6/23

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

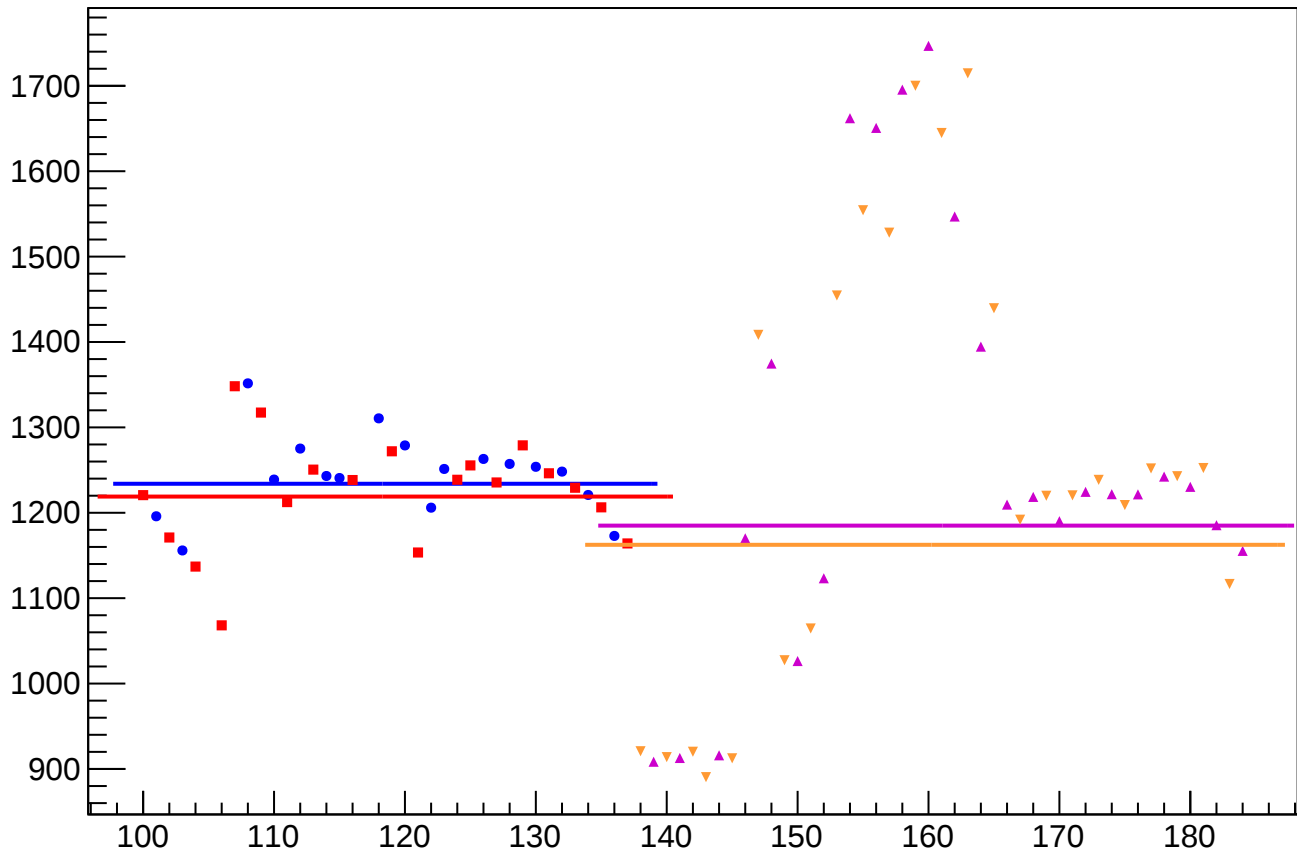
Left In: 1.502 ± 0.291 χ^2/NDF : 202.7/22

+ sign 1.827 ± 0.241 χ^2/NDF : 386.2/40

All: 1.854 ± 0.172 χ^2/NDF : 628.4/82

- sign 1.882 ± 0.245 χ^2/NDF : 242.2/41

diff_bpm0l06Y_rms vs Slug



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

Left Out: 1162.492 $\pm$ 0.198 χ^2 /NDF: 1389203.5/23

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

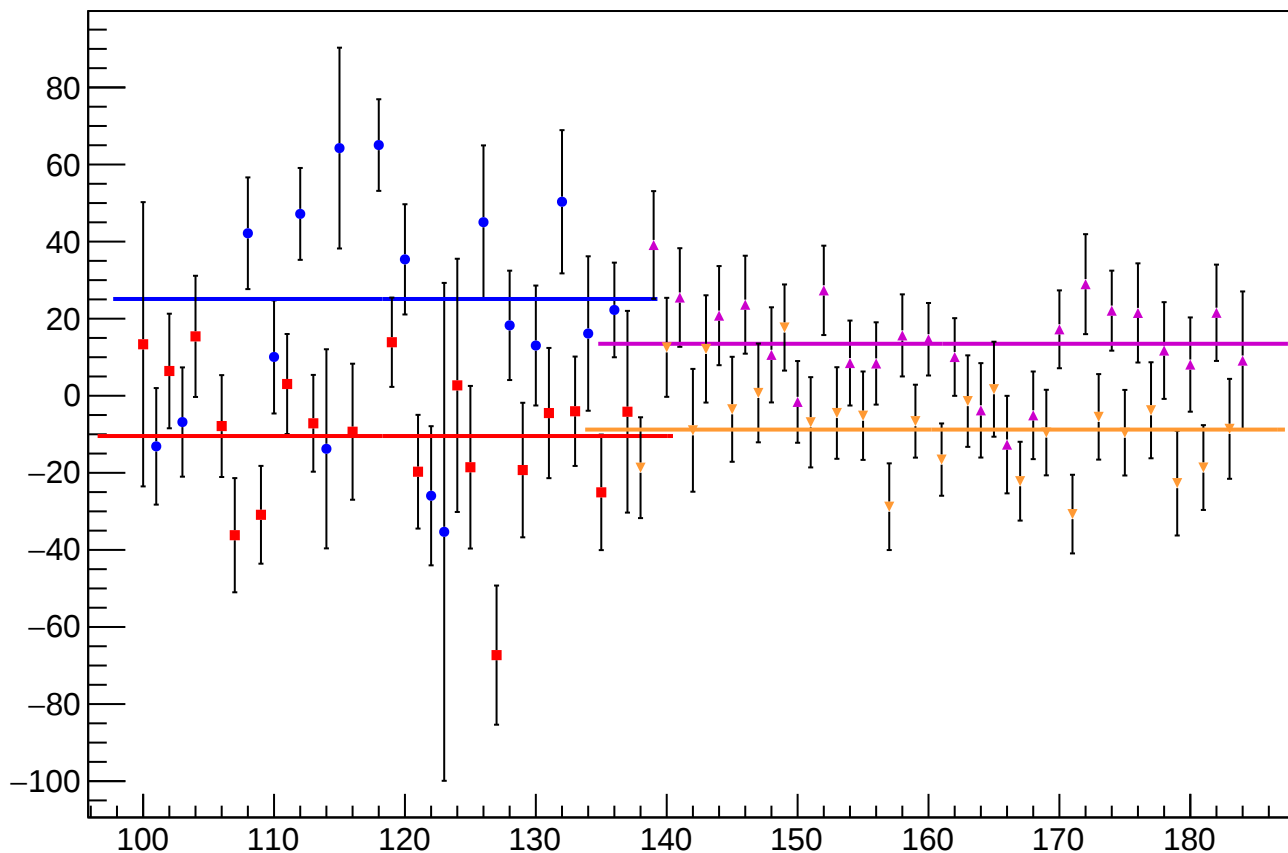
Left In: 1184.966 $\pm$ 0.206 χ^2 /NDF: 1190431.5/22

+ sign 1180.853 $\pm$ 0.171 χ^2 /NDF: 1446235.9/40

All: 1187.695 $\pm$ 0.122 χ^2 /NDF: 2688193.8/82

- sign 1194.759 $\pm$ 0.173 χ^2 /NDF: 1238692.1/41

diff_bpm0l07X_mean vs Slug



Right In: 25.108 ± 3.844 χ^2/NDF : 46.5/16

Left Out: -8.778 ± 2.382 χ^2/NDF : 25.6/23

Right Out: -10.450 ± 3.598 χ^2/NDF : 27.8/18

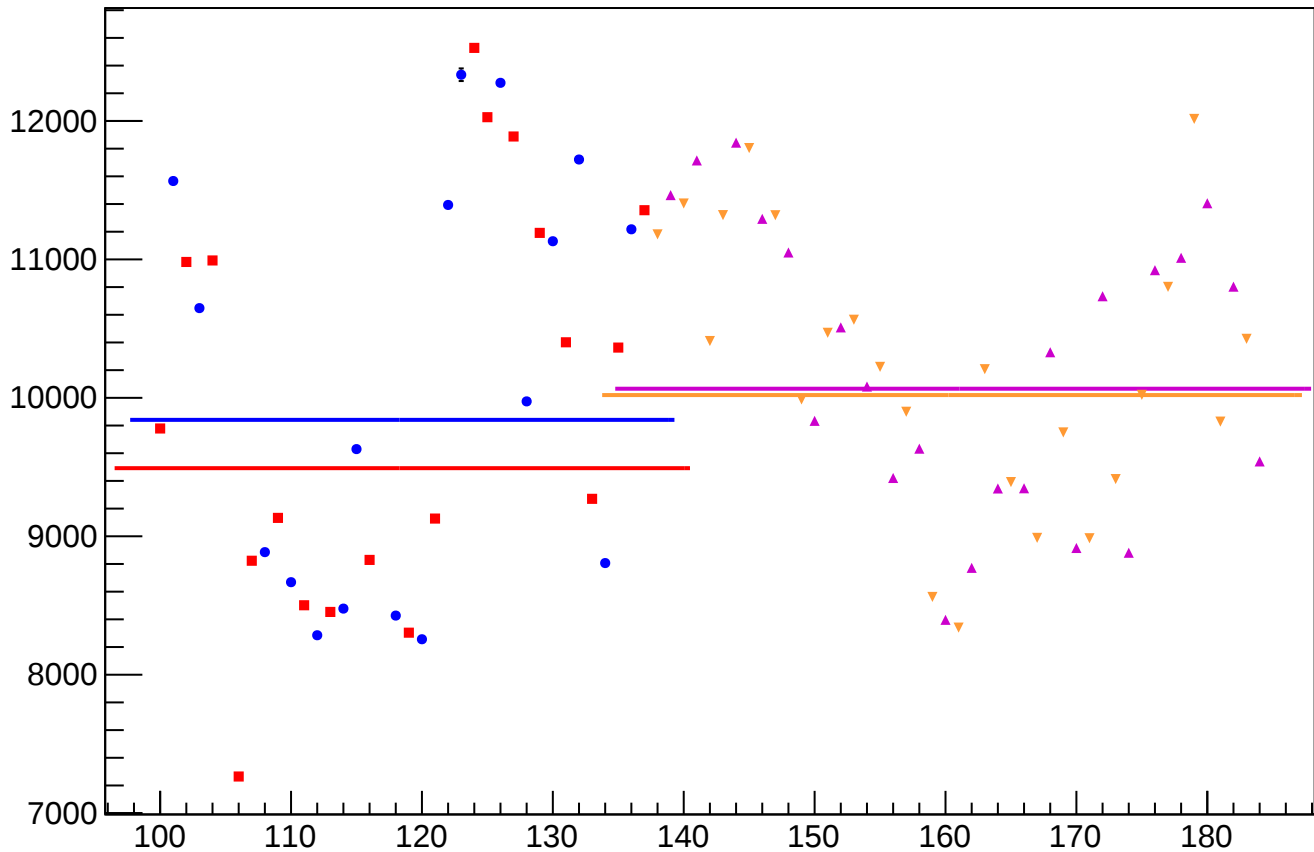
Left In: 13.485 ± 2.443 χ^2/NDF : 21.6/22

+ sign 0.626 ± 2.025 χ^2/NDF : 128.2/40

All: 3.285 ± 1.431 χ^2/NDF : 211.4/82

- sign 5.934 ± 2.021 χ^2/NDF : 79.7/41

diff_bpm0l07X_rms vs Slug



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

Left Out: 10020.044+/-1.685 χ^2/NDF : 339456.7/23

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

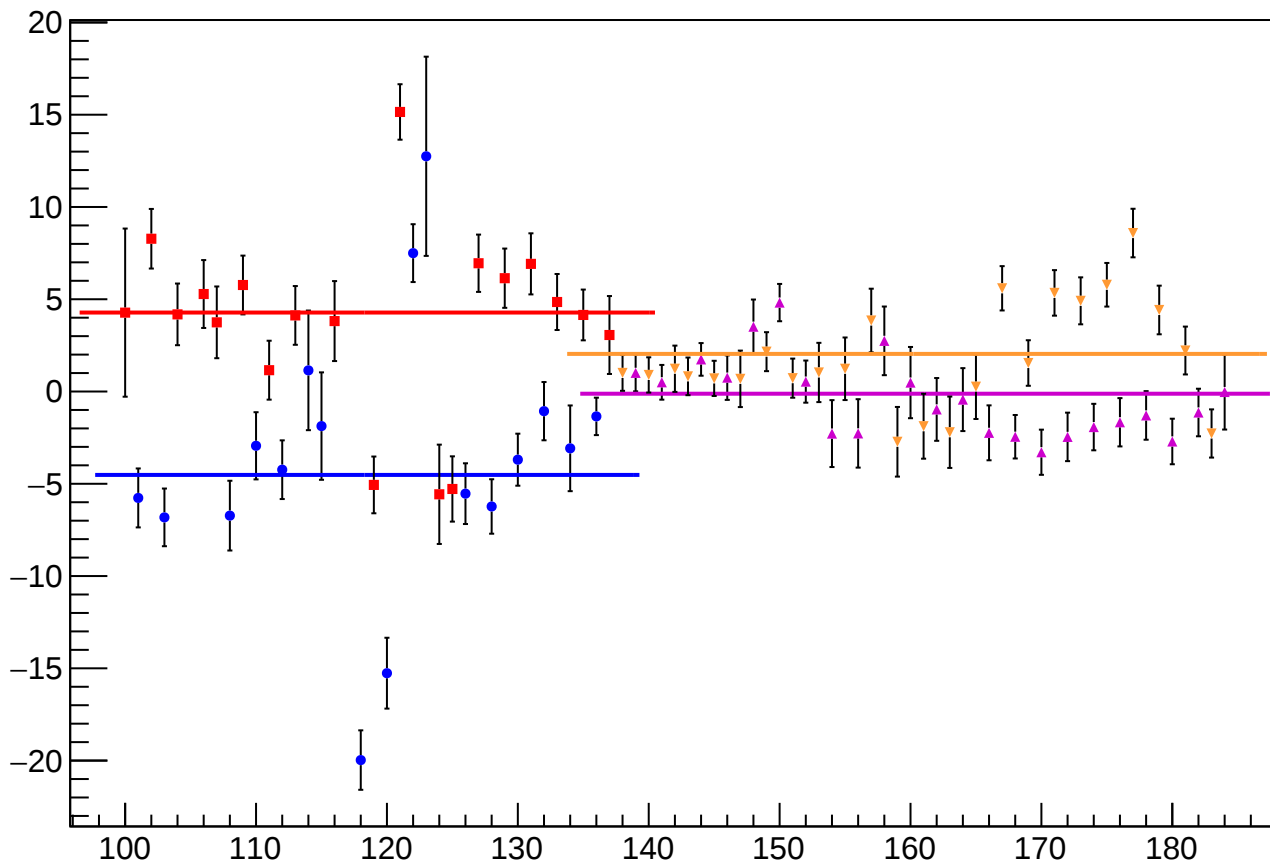
Left In: 10065.909+/-1.727 χ^2/NDF : 357868.9/22

+ sign 9970.347+/-1.432 χ^2/NDF : 601699.4/40

All: 9927.515+/-1.012 χ^2/NDF : 1270762.0/82

- sign 9884.850+/-1.429 χ^2/NDF : 667276.6/41

diff_bpm0l07Y_mean vs Slug



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

Left Out: 2.038 ± 0.258 χ^2/NDF : 97.8/23

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

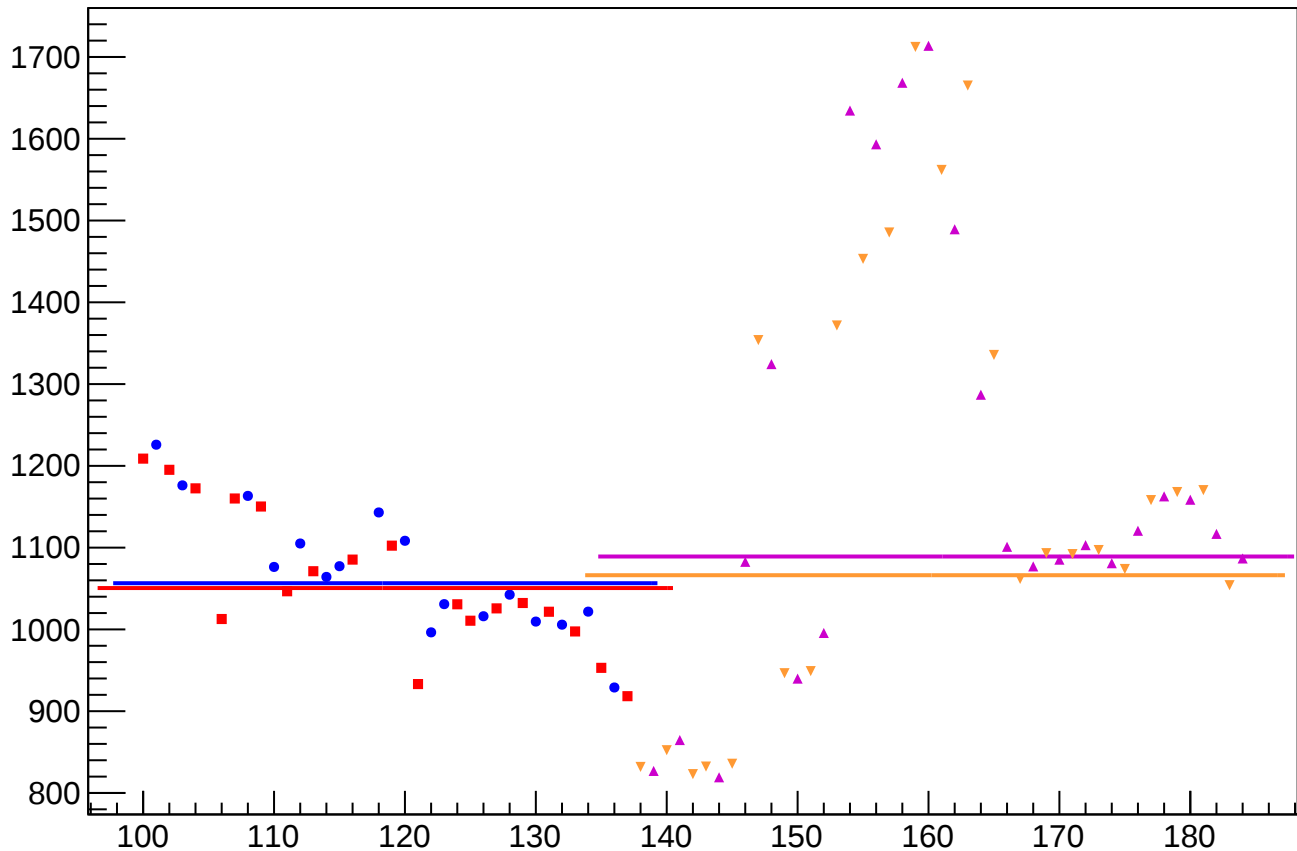
Left In: -0.120 ± 0.269 χ^2/NDF : 67.6/22

+ sign 0.170 ± 0.218 χ^2/NDF : 499.9/40

All: 0.712 ± 0.156 χ^2/NDF : 815.4/82

- sign 1.274 ± 0.222 χ^2/NDF : 302.9/41

diff_bpm0l07Y_rms vs Slug



Right In: 1056.494+/-0.289 χ^2/NDF : 90759.5/16

Left Out: 1066.274+/-0.182 χ^2/NDF : 1600302.7/23

Right Out: 1050.578+/-0.279 χ^2/NDF : 82328.7/18

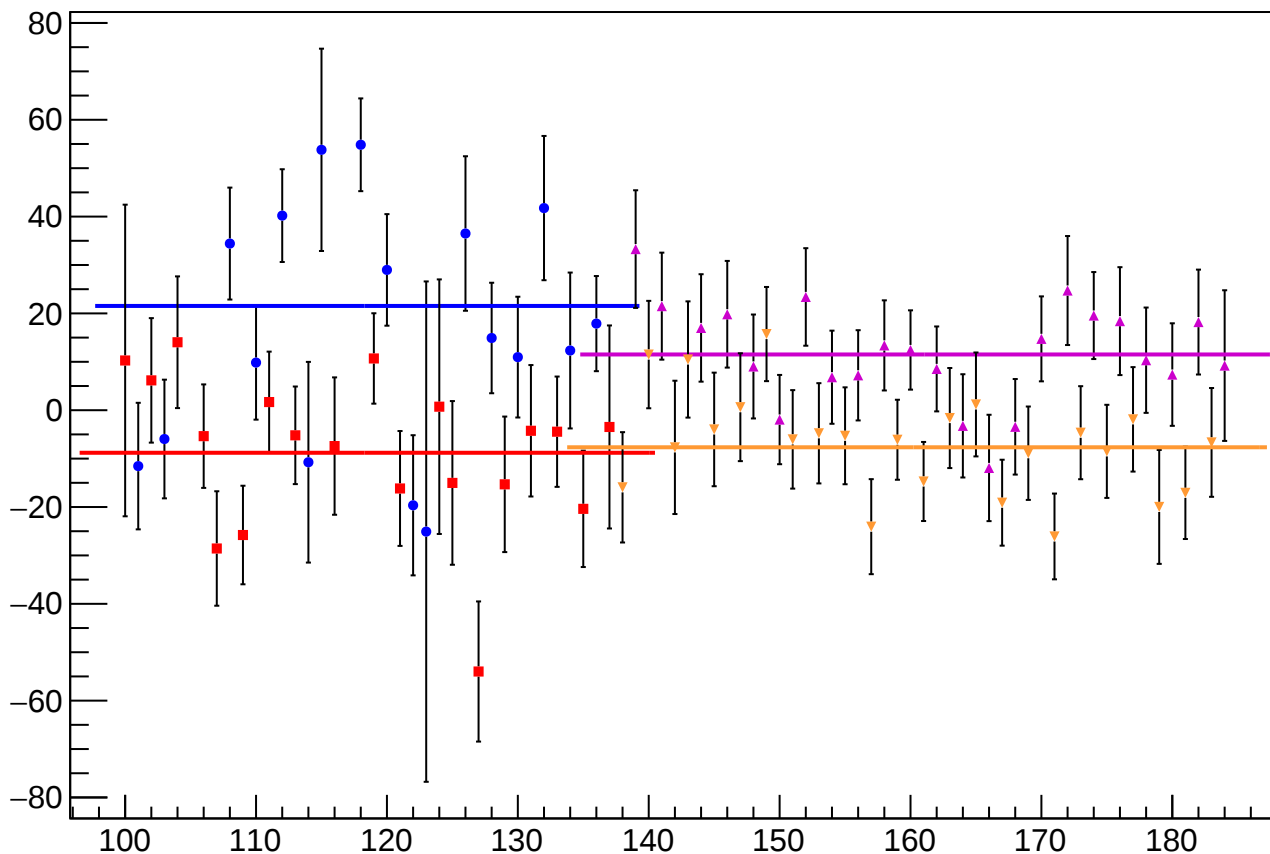
Left In: 1089.154+/-0.190 χ^2/NDF : 1430478.5/22

+ sign 1063.488+/-0.154 χ^2/NDF : 1691880.5/40

All: 1070.094+/-0.110 χ^2/NDF : 3221475.6/82

- sign 1076.934+/-0.157 χ^2/NDF : 1525865.6/41

diff_bpm0l08X_mean vs Slug



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

Left Out: -7.659 $\pm$ 2.070 χ^2 /NDF: 25.5/23

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

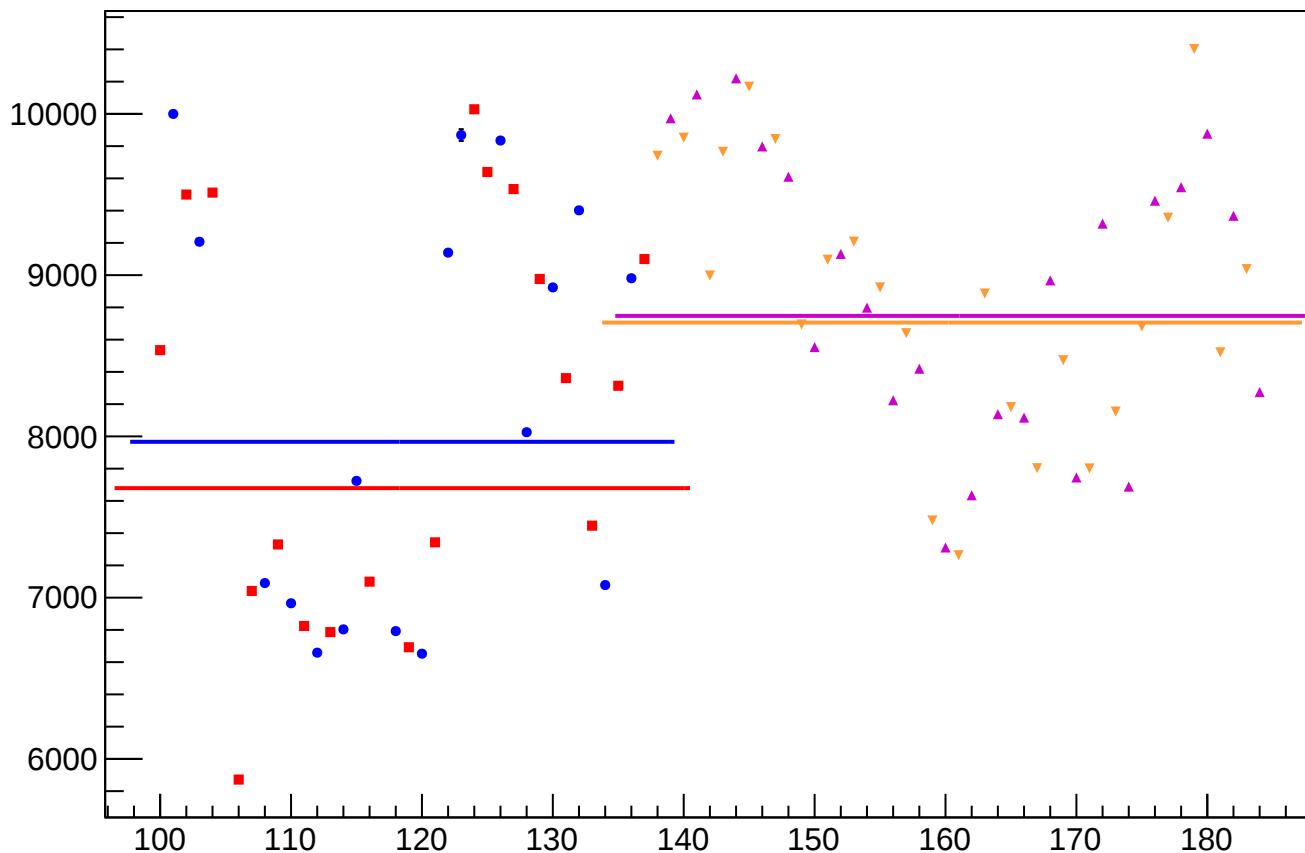
Left In: 11.515 $\pm$ 2.122 χ^2 /NDF: 21.0/22

+ sign 1.280 $\pm$ 1.724 χ^2 /NDF: 134.3/40

All: 2.887 $\pm$ 1.216 χ^2 /NDF: 216.4/82

- sign 4.479 $\pm$ 1.716 χ^2 /NDF: 80.3/41

diff_bpm0l08X_rms vs Slug



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

Left Out: 8705.966+/-1.463 χ^2/NDF : 327494.9/23

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

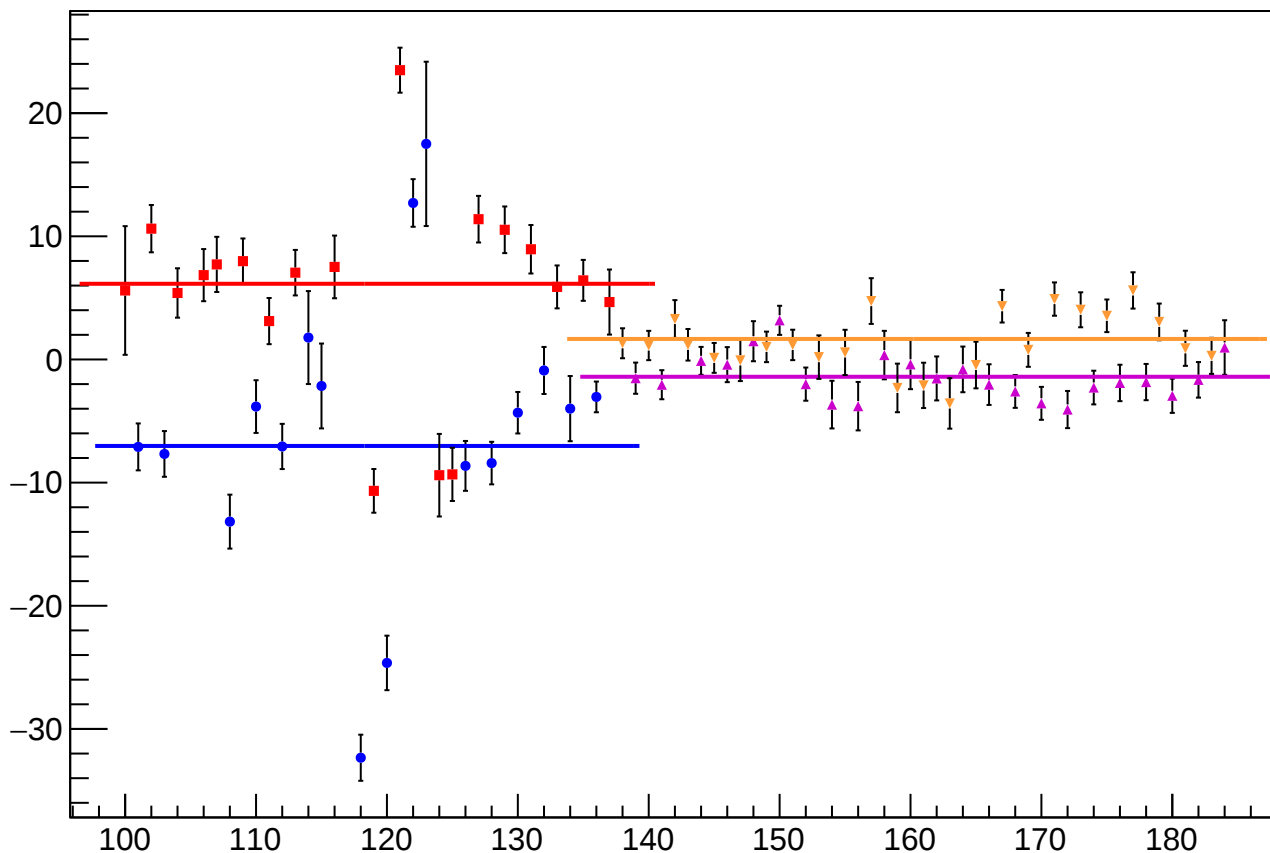
Left In: 8747.415+/-1.501 χ^2/NDF : 347110.4/22

+ sign 8479.588+/-1.219 χ^2/NDF : 701327.1/40

All: 8428.195+/-0.860 χ^2/NDF : 1540589.2/82

- sign 8377.291+/-1.213 χ^2/NDF : 835724.1/41

diff_bpm0l08Y_mean vs Slug



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

Left Out: 1.666 ± 0.297 χ^2/NDF : 48.6/23

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

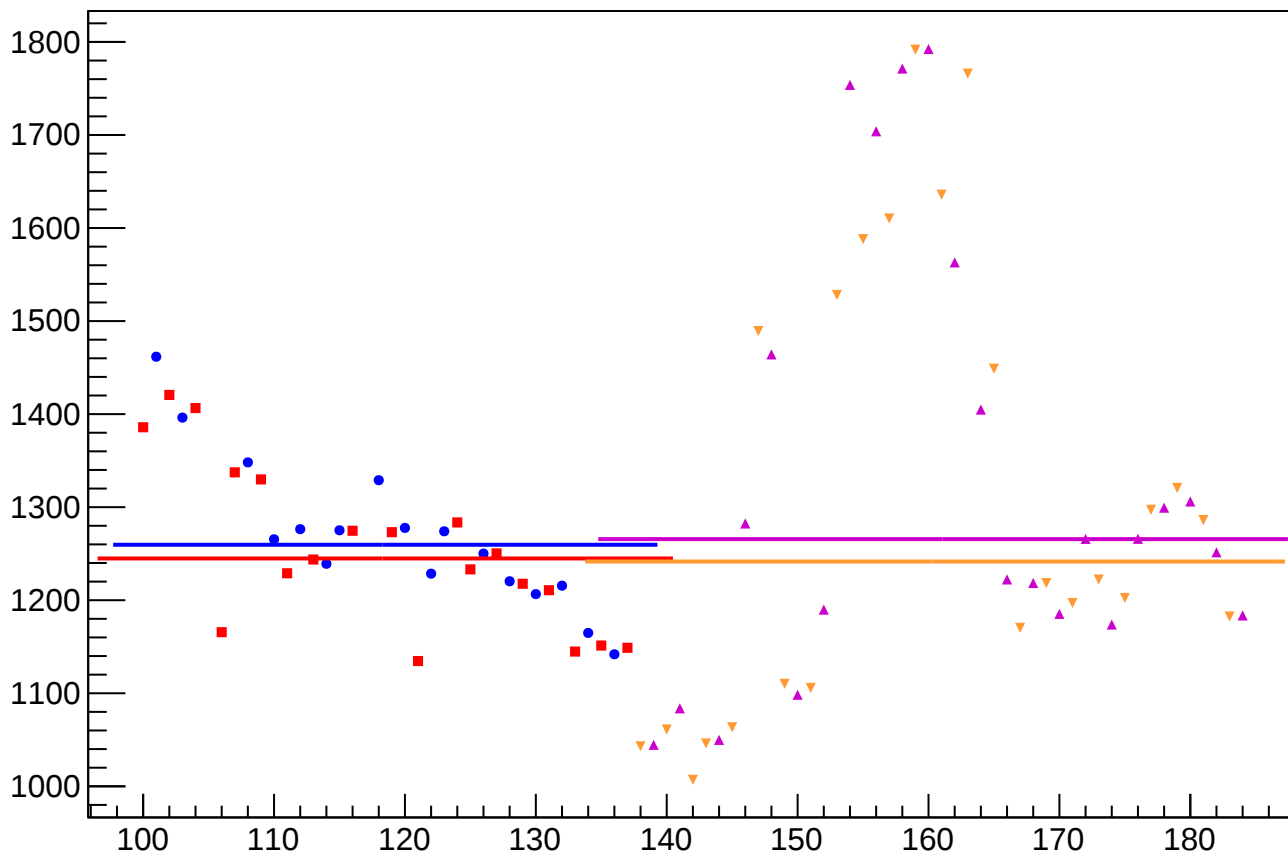
Left In: -1.404 ± 0.309 χ^2/NDF : 34.1/22

+ sign -0.693 ± 0.254 χ^2/NDF : 687.7/40

All: 0.087 ± 0.181 χ^2/NDF : 1201.0/82

- sign 0.892 ± 0.258 χ^2/NDF : 494.1/41

diff_bpm0l08Y_rms vs Slug



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

Left Out: 1241.590 $\pm$ 0.210 χ^2 /NDF: 954987.4/23

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

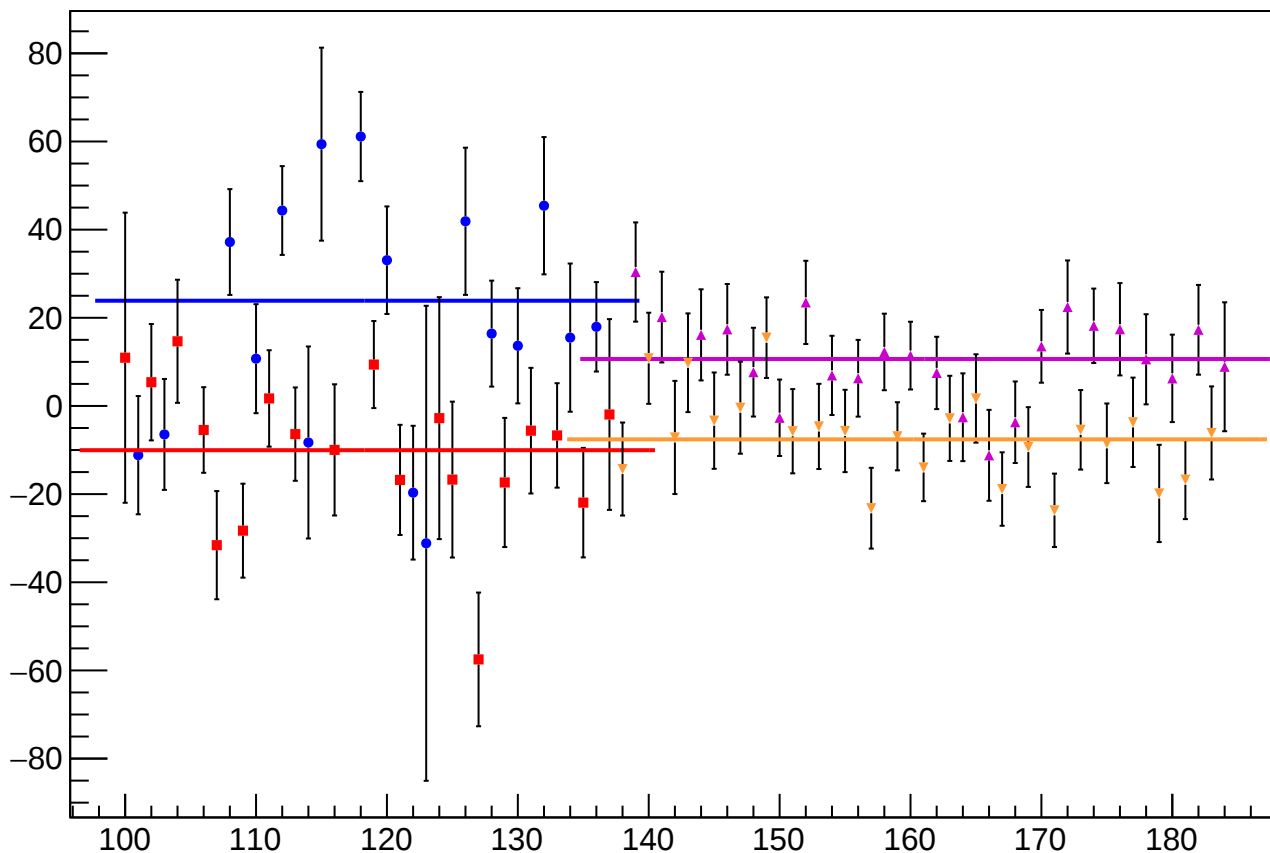
Left In: 1265.673 $\pm$ 0.218 χ^2 /NDF: 845157.0/22

+ sign 1246.480 $\pm$ 0.179 χ^2 /NDF: 1021796.8/40

All: 1252.815 $\pm$ 0.128 χ^2 /NDF: 1939060.3/82

- sign 1259.349 $\pm$ 0.182 χ^2 /NDF: 914732.1/41

diff_bpm0l09X_mean vs Slug



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

Left Out: -7.576 ± 1.938 $\chi^2/\text{NDF}: 26.0/23$

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

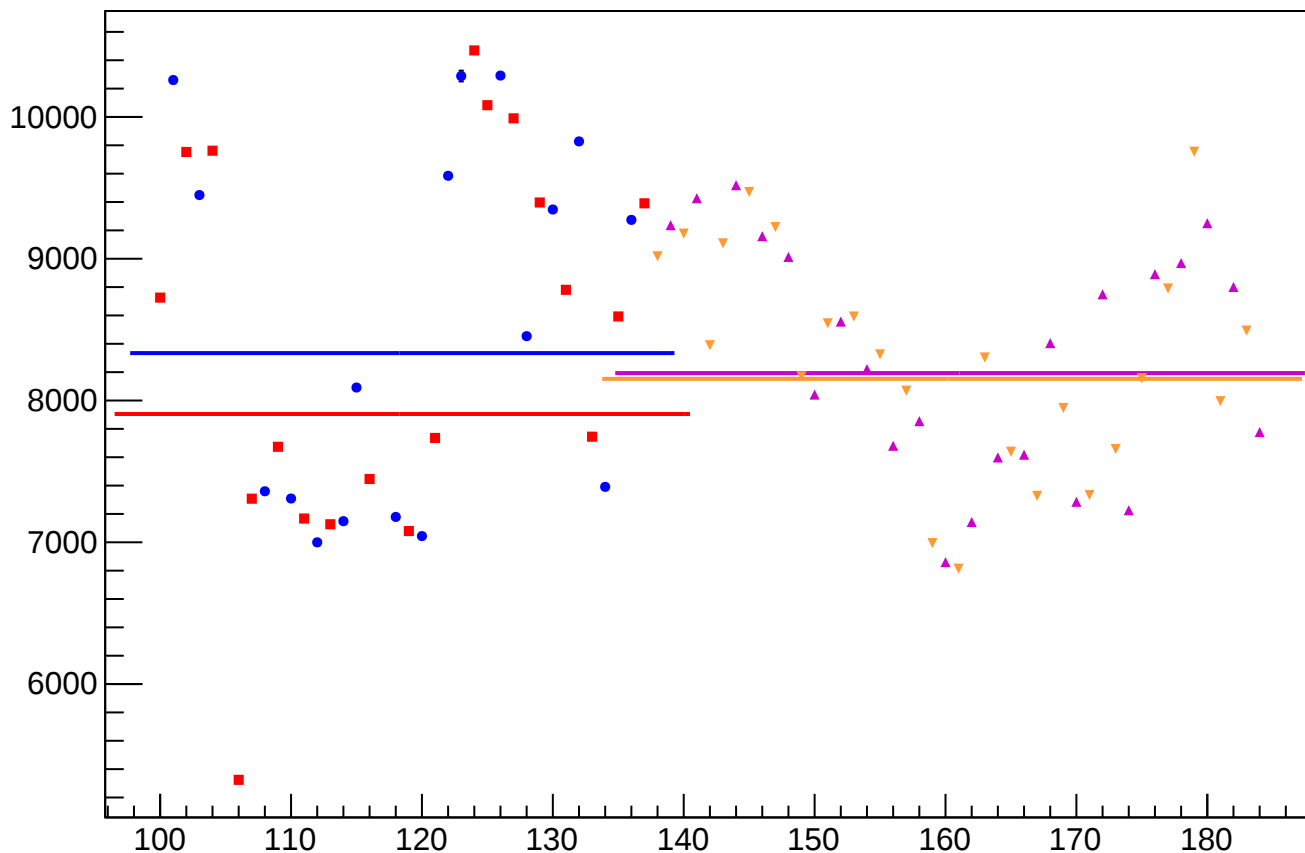
Left In: 10.653 ± 1.988 $\chi^2/\text{NDF}: 21.4/22$

+ sign 0.649 ± 1.665 $\chi^2/\text{NDF}: 146.9/40$

All: 2.515 ± 1.175 $\chi^2/\text{NDF}: 231.8/82$

- sign 4.367 ± 1.658 $\chi^2/\text{NDF}: 82.4/41$

diff_bpm0l09X_rms vs Slug



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

Left Out: 8152.798+/-1.370 χ^2/NDF : 317401.7/23

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

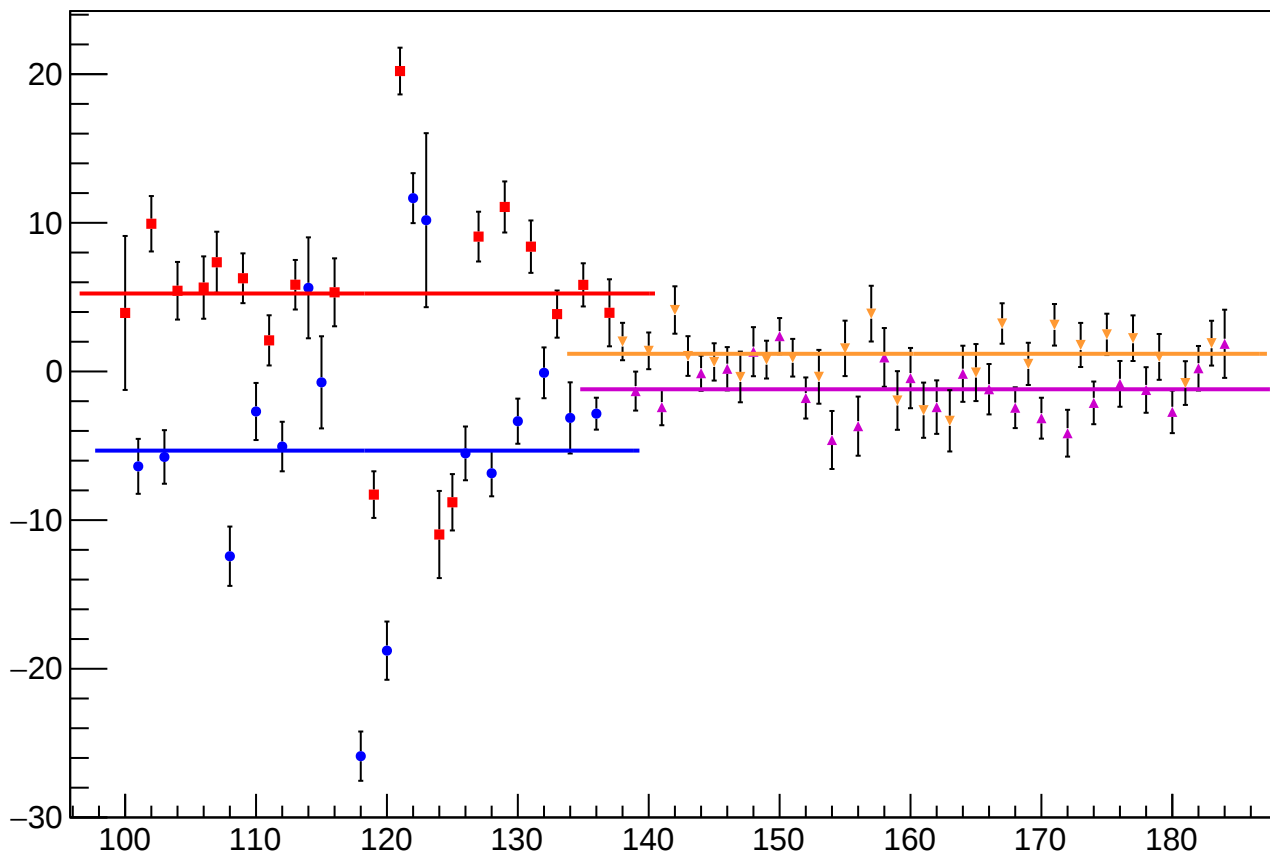
Left In: 8193.636+/-1.405 χ^2/NDF : 338377.6/22

+ sign 8200.295+/-1.177 χ^2/NDF : 593363.7/40

All: 8152.923+/-0.831 χ^2/NDF : 1336378.5/82

- sign 8105.937+/-1.173 χ^2/NDF : 739790.8/41

diff_bpm0l09Y_mean vs Slug



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

Left Out: 1.189 ± 0.306 χ^2/NDF : 27.8/23

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

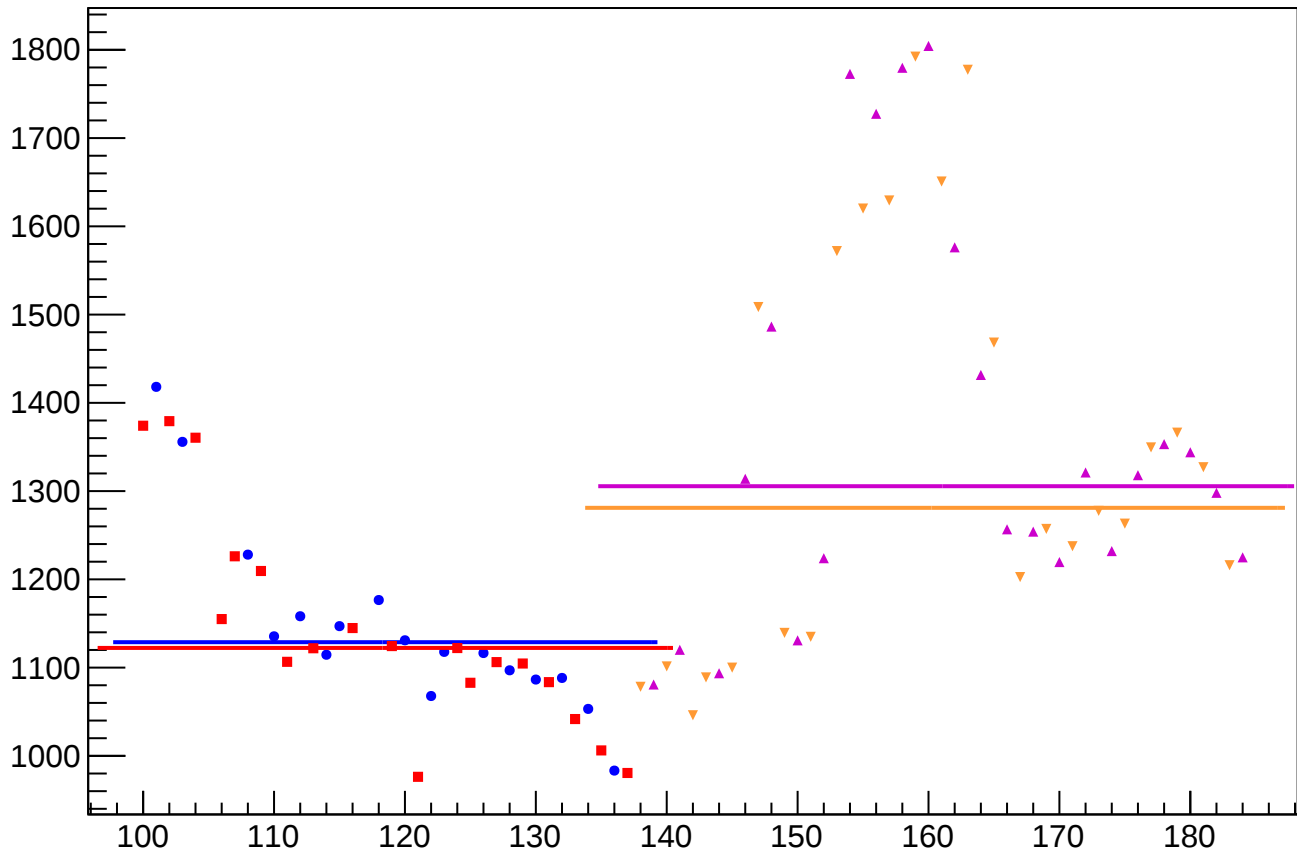
Left In: -1.198 ± 0.318 χ^2/NDF : 31.2/22

+ sign -0.952 ± 0.251 χ^2/NDF : 532.3/40

All: 0.078 ± 0.179 χ^2/NDF : 1029.1/82

- sign 1.134 ± 0.254 χ^2/NDF : 462.7/41

diff_bpm0l09Y_rms vs Slug



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

Left Out: 1281.050 $\pm$ 0.217 χ^2 /NDF: 868550.7/23

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

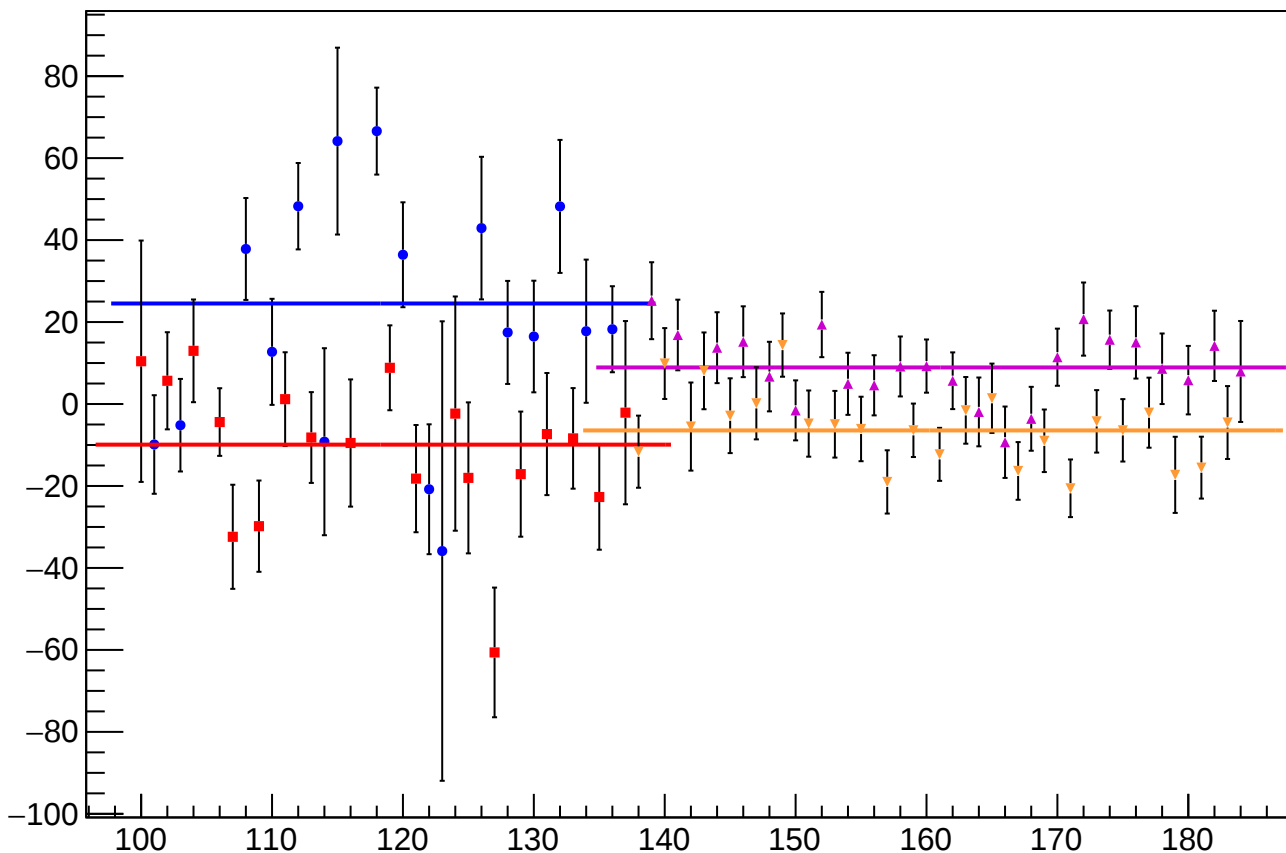
Left In: 1305.541 $\pm$ 0.225 χ^2 /NDF: 760450.8/22

+ sign 1231.001 $\pm$ 0.177 χ^2 /NDF: 1164120.1/40

All: 1235.055 $\pm$ 0.126 χ^2 /NDF: 2295382.5/82

- sign 1239.213 $\pm$ 0.180 χ^2 /NDF: 1130204.8/41

diff_bpm0l10X_mean vs Slug



Right In: 24.527 $\pm$ 3.324 χ^2 /NDF: 57.7/16

Left Out: -6.444 $\pm$ 1.632 χ^2 /NDF: 28.4/23

Right Out: -9.911 $\pm$ 3.010 χ^2 /NDF: 28.9/18

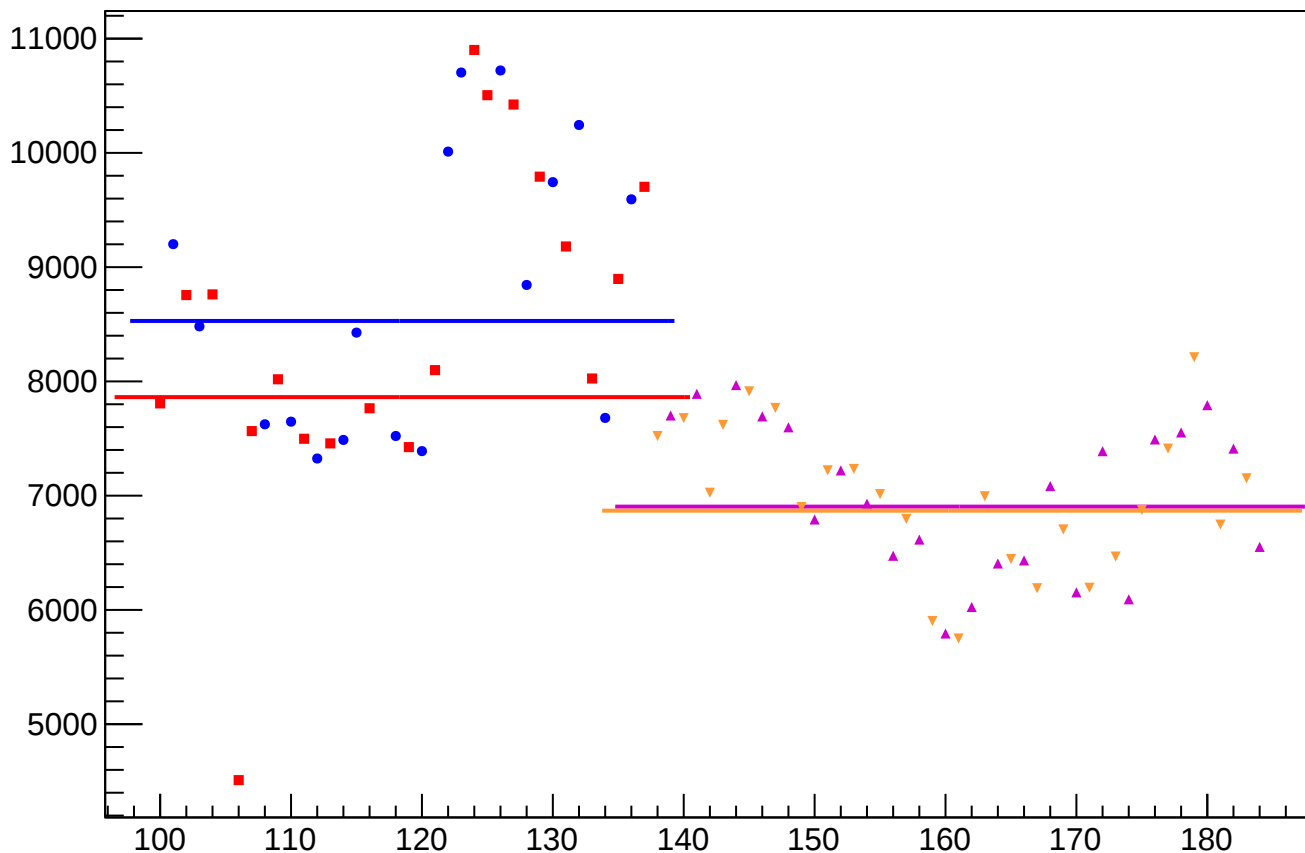
Left In: 8.923 $\pm$ 1.674 χ^2 /NDF: 21.8/22

+ sign -0.428 $\pm$ 1.465 χ^2 /NDF: 156.1/40

All: 2.025 $\pm$ 1.035 χ^2 /NDF: 242.2/82

- sign 4.473 $\pm$ 1.463 χ^2 /NDF: 80.6/41

diff_bpm0l10X_rms vs Slug



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

Left Out: 6868.600+/-1.154 χ^2/NDF : 302777.6/23

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

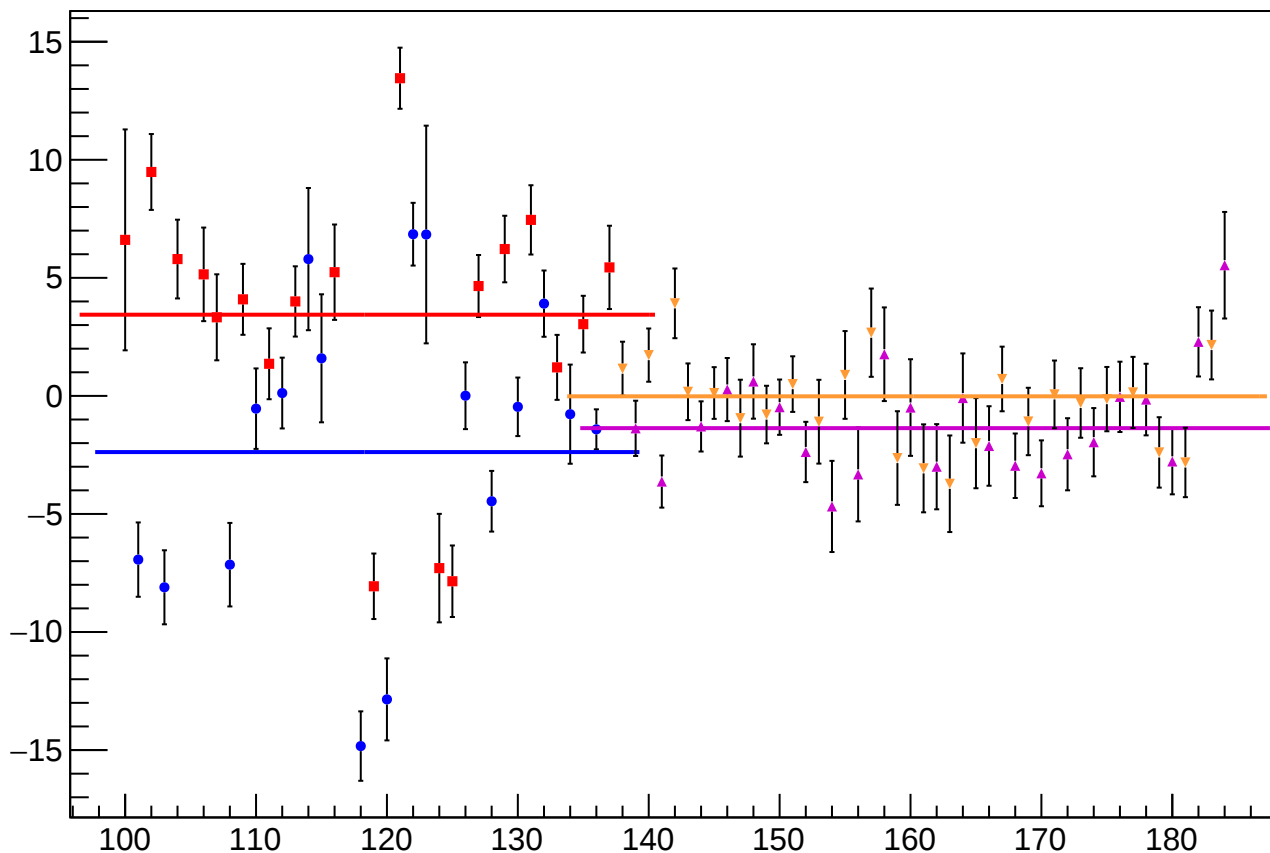
Left In: 6904.117+/-1.184 χ^2/NDF : 325912.6/22

+ sign 7191.145+/-1.036 χ^2/NDF : 912364.4/40

All: 7160.796+/-0.732 χ^2/NDF : 1947607.4/82

- sign 7130.517+/-1.035 χ^2/NDF : 1033528.2/41

diff_bpm0l10Y_mean vs Slug



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

Left Out: -0.018 ± 0.294 χ^2/NDF : 32.3/23

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

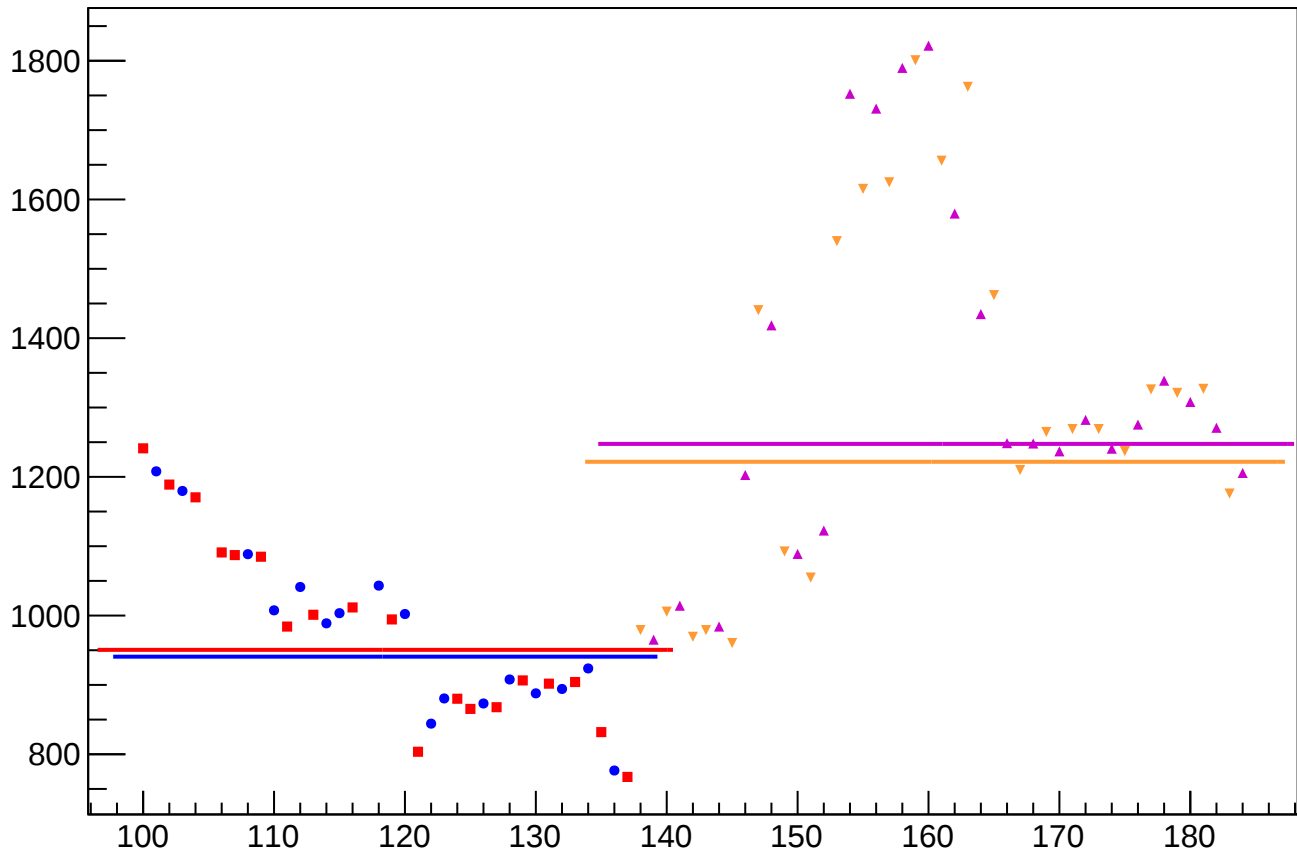
Left In: -1.365 ± 0.306 χ^2/NDF : 38.5/22

+ sign -0.942 ± 0.229 χ^2/NDF : 290.2/40

All: -0.157 ± 0.163 χ^2/NDF : 699.1/82

- sign 0.653 ± 0.233 χ^2/NDF : 385.1/41

diff_bpm0l10Y_rms vs Slug



Right In: 940.732 $\pm$ 0.259 χ^2 /NDF: 241704.7/16

Left Out: 1221.767 $\pm$ 0.208 χ^2 /NDF:1251515.3/23

Right Out: 950.573 $\pm$ 0.254 χ^2 /NDF: 220343.0/18

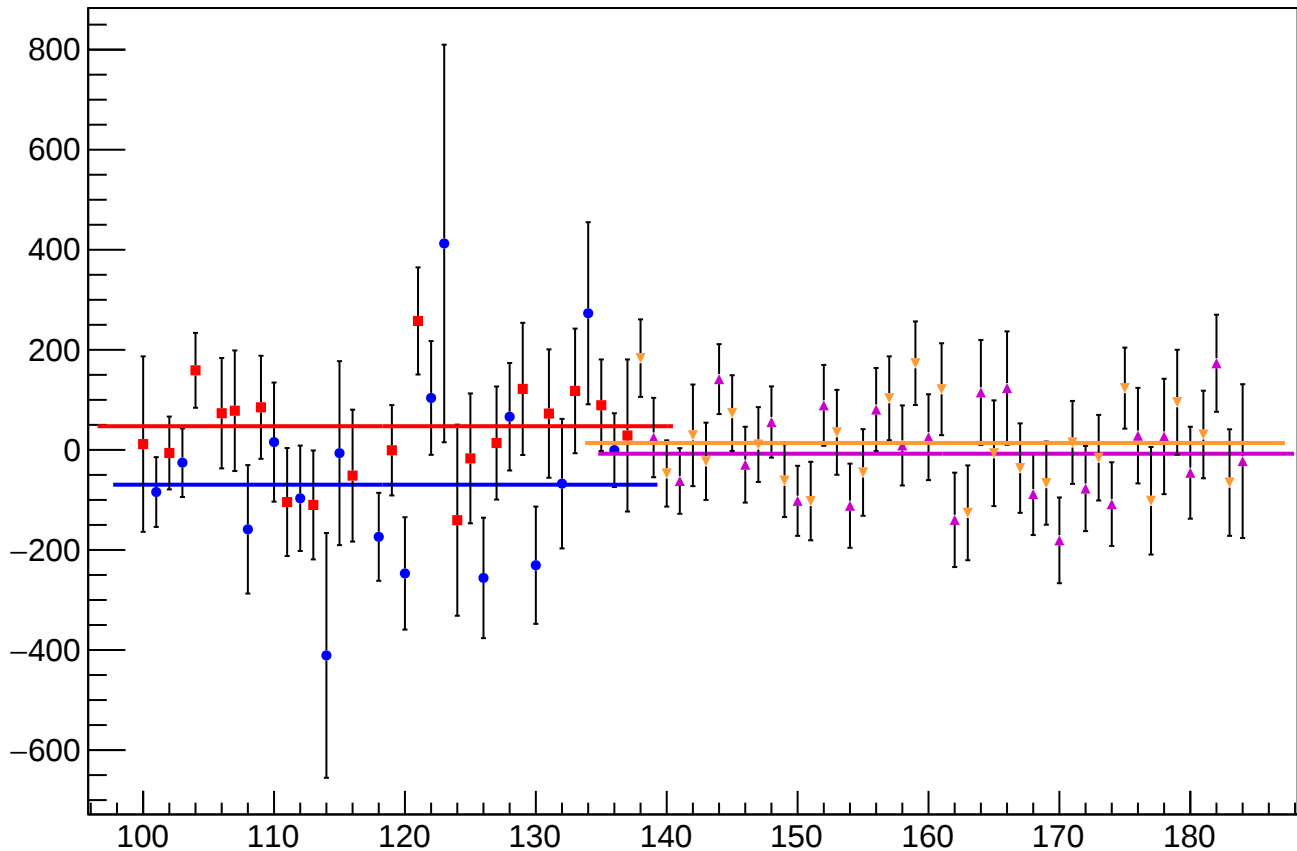
Left In: 1247.538 $\pm$ 0.216 χ^2 /NDF:1073390.3/22

+ sign 1111.789 $\pm$ 0.162 χ^2 /NDF: 2210107.4/40

All: 1117.194 $\pm$ 0.115 χ^2 /NDF: 4300121.1/82

- sign 1122.766 $\pm$ 0.164 χ^2 /NDF: 2087753.1/41

diff_bpm0r03X_mean vs Slug



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

Left Out: 13.865 ± 17.298 χ^2/NDF : 24.2/23

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

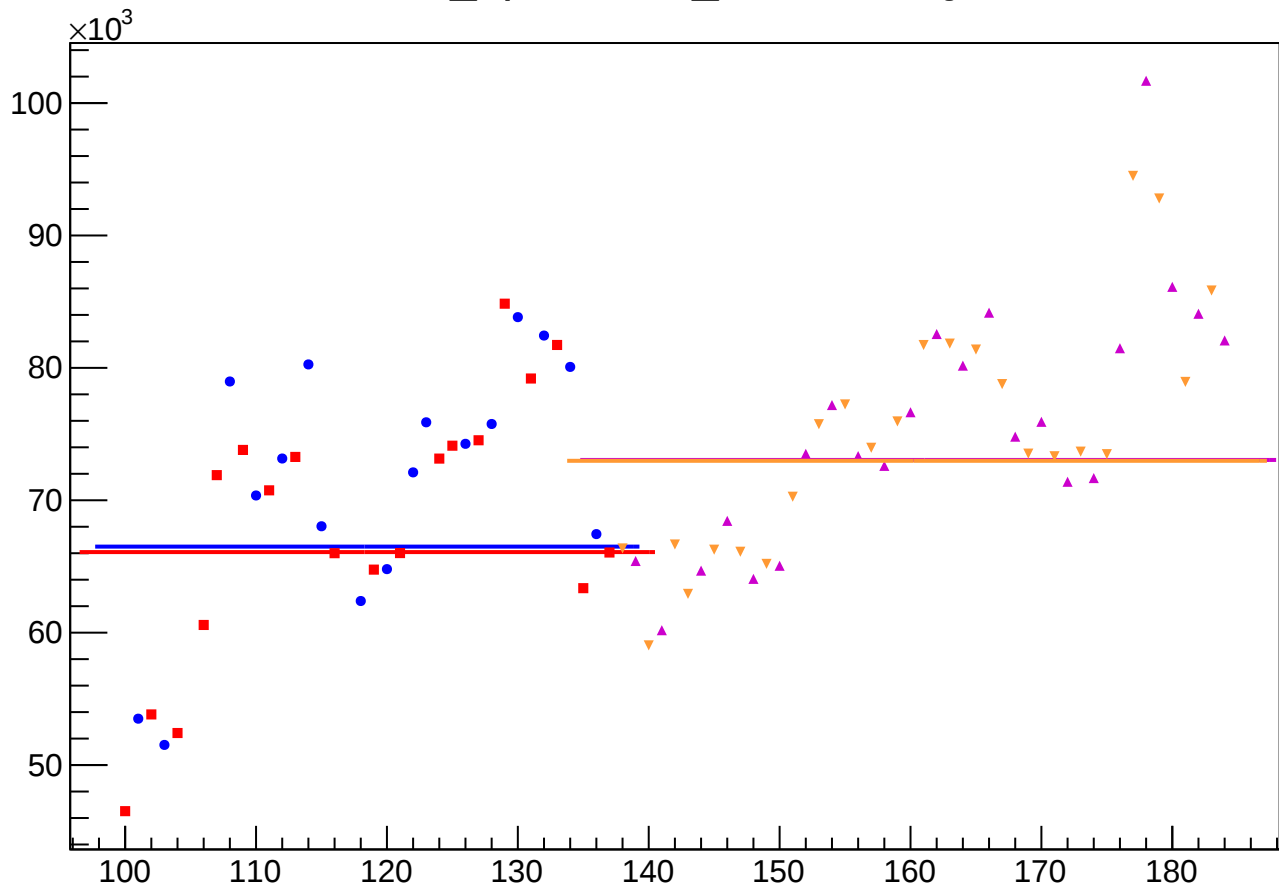
Left In: -7.618 ± 17.672 χ^2/NDF : 28.1/22

+ sign -11.758 ± 14.399 χ^2/NDF : 52.9/40

All: -0.591 ± 10.196 χ^2/NDF : 99.5/82

- sign 10.641 ± 14.441 χ^2/NDF : 45.4/41

diff_bpm0r03X_rms vs Slug



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

Left Out: 72980.892 $\pm$ 12.232 χ^2 /NDF:459584.1/23

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

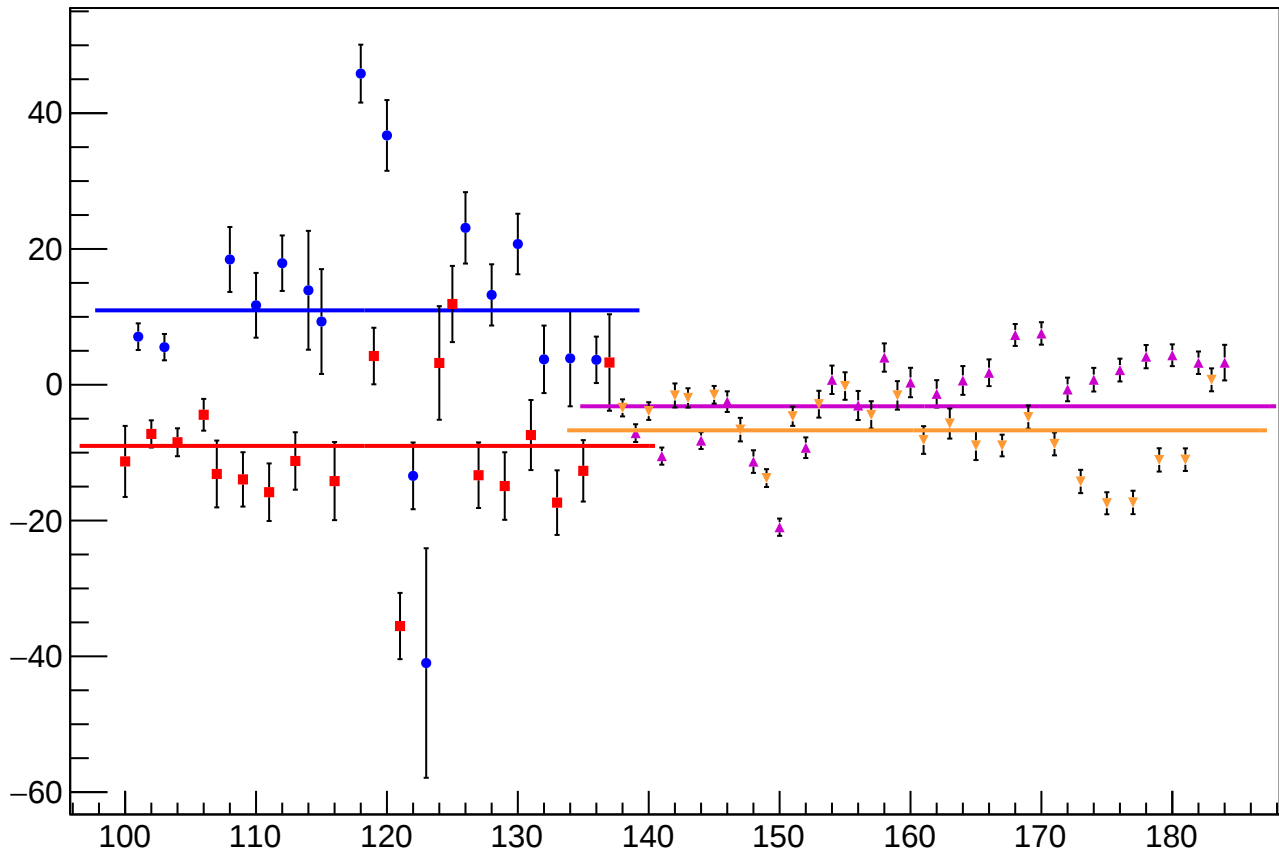
Left In: 73045.500 $\pm$ 12.496 χ^2 /NDF:463525.5/22

+ sign 70990.388 $\pm$ 10.181 χ^2 /NDF: 865857.3/40

All: 70862.284 $\pm$ 7.210 χ^2 /NDF: 1731028.5/8

- sign 70733.426 $\pm$ 10.211 χ^2 /NDF: 864853.6/41

diff_bpm0r03Y_mean vs Slug



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

Left Out: -6.715 ± 0.336 χ^2/NDF : 239.9/23

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

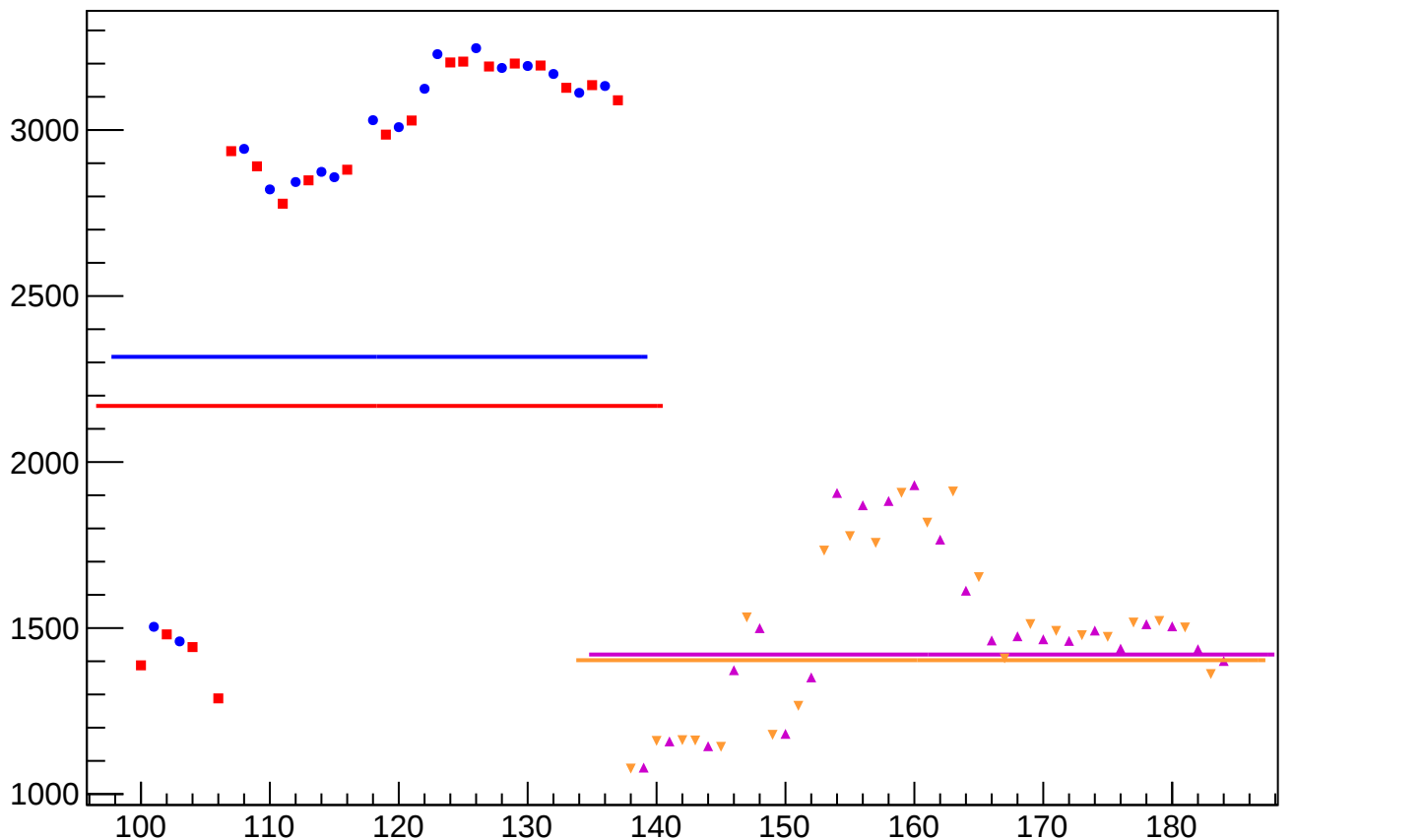
Left In: -3.171 ± 0.346 χ^2/NDF : 487.3/22

+ sign -4.731 ± 0.316 χ^2/NDF : 711.5/40

All: -4.359 ± 0.226 χ^2/NDF : 1316.2/82

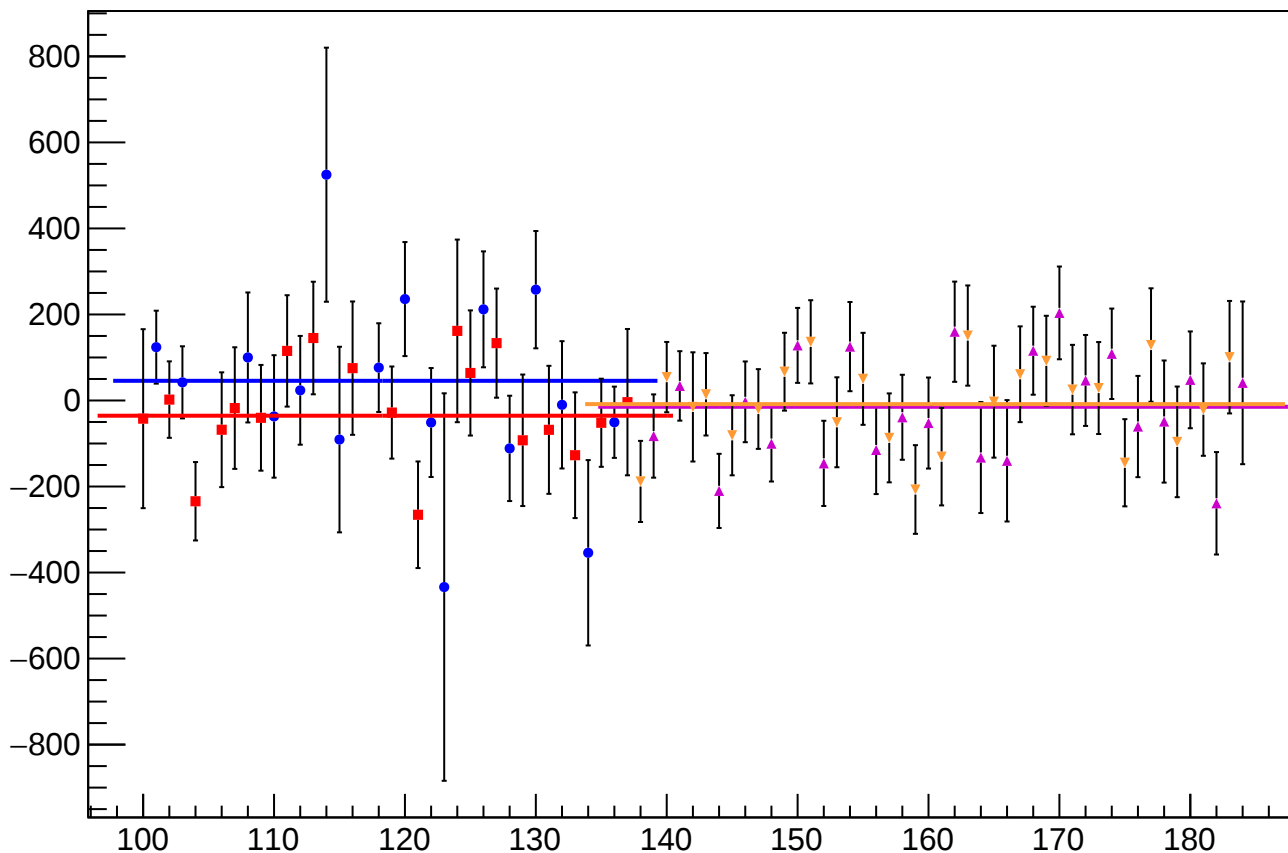
- sign -3.974 ± 0.322 χ^2/NDF : 601.9/41

diff_bpm0r03Y_rms vs Slug



Right In: 2316.901+/-0.668	χ^2/NDF : 1405097.4/16	+ sign 1505.776+/-0.224	χ^2/NDF : 4098753.6/40
Left Out: 1403.184+/-0.237	χ^2/NDF : 1031003.2/23	All: 1514.421+/-0.160	χ^2/NDF : 8042071.0/82
Right Out: 2169.038+/-0.613	χ^2/NDF : 1749119.2/18	- sign 1523.361+/-0.227	χ^2/NDF : 3940280.0/41
Left In: 1420.285+/-0.245	χ^2/NDF : 905186.2/22		

diff_bpm0r05X_mean vs Slug



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

Left Out: -8.479 ± 21.401 χ^2/NDF : 21.2/23

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

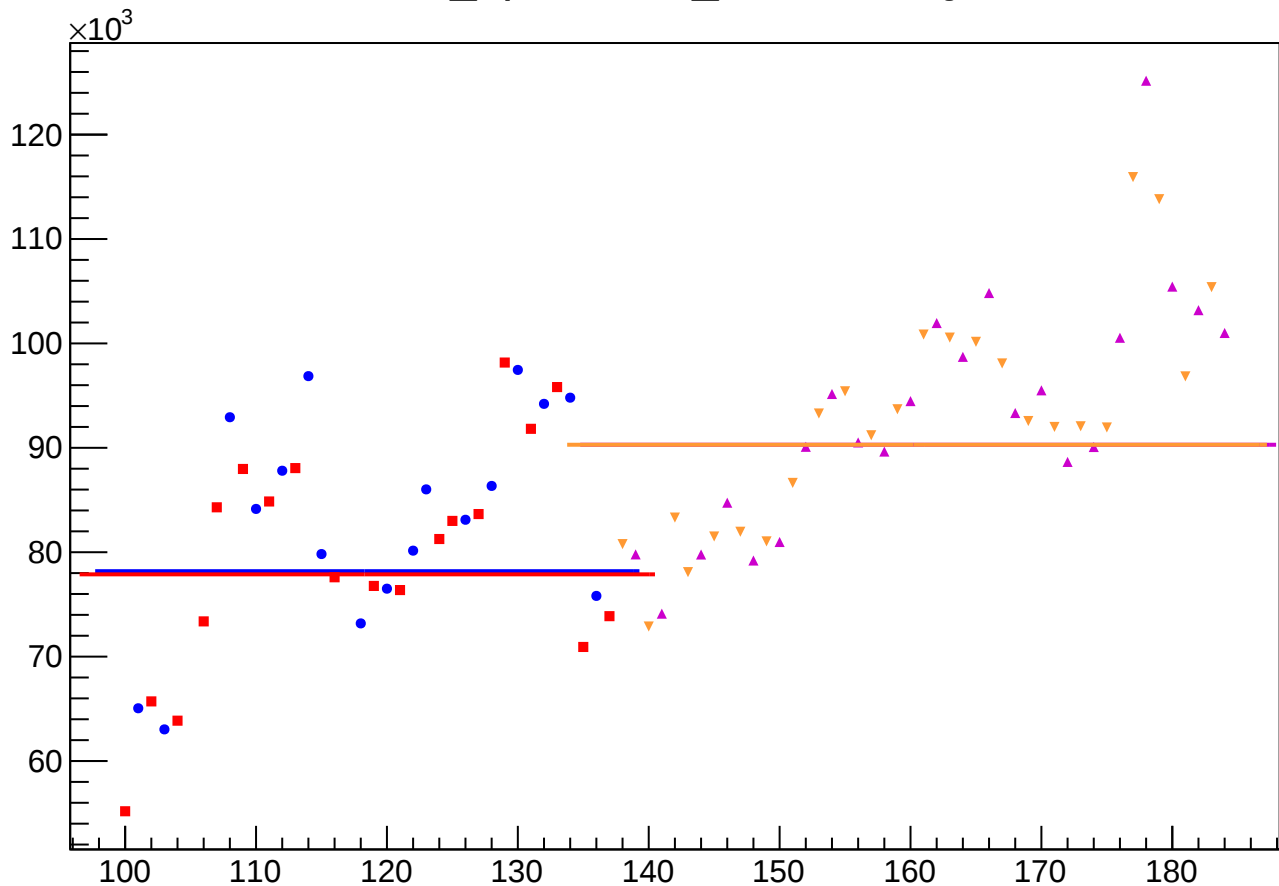
Left In: -14.611 ± 21.846 χ^2/NDF : 29.8/22

+ sign 9.432 ± 17.514 χ^2/NDF : 42.1/40

All: -6.238 ± 12.398 χ^2/NDF : 89.9/82

- sign -21.977 ± 17.552 χ^2/NDF : 46.1/41

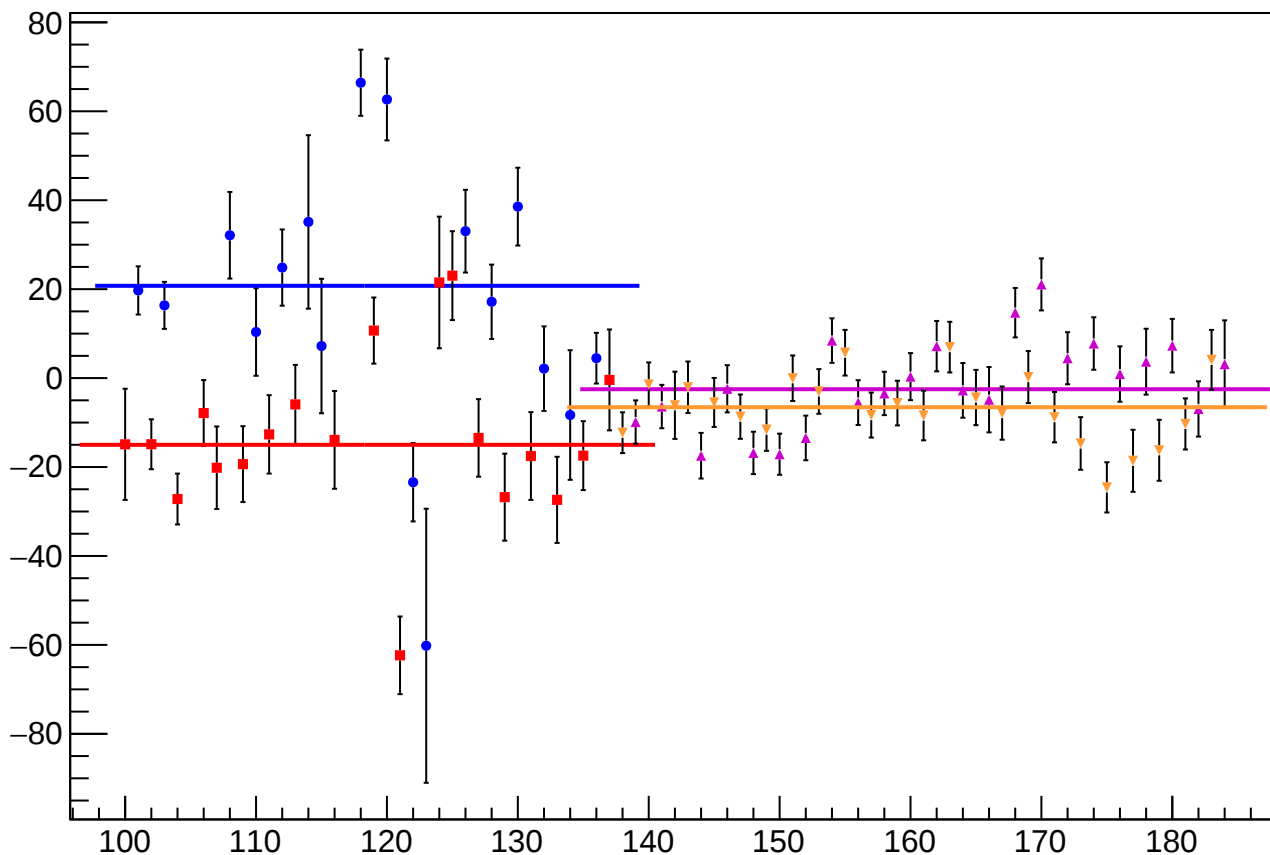
diff_bpm0r05X_rms vs Slug



Right In: 78183.588 $\pm$ 21.548 χ^2 /NDF: 250278.3/16
 Left Out: 90294.325 $\pm$ 15.133 χ^2 /NDF: 449133.8/23
 Right Out: 77880.644 $\pm$ 20.846 χ^2 /NDF: 247268.7/18
 Left In: 90293.591 $\pm$ 15.448 χ^2 /NDF: 461337.5/22

+ sign 86294.104 $\pm$ 12.384 χ^2 /NDF: 910957.7/40
 All: 86094.197 $\pm$ 8.766 χ^2 /NDF: 1848975.9/8
 - sign 85893.415 $\pm$ 12.411 χ^2 /NDF: 937495.9/41

diff_bpm0r05Y_mean vs Slug



Right In: 20.754 ± 2.039 χ^2/NDF : 117.4/16

Left Out: -6.548 ± 1.133 χ^2/NDF : 40.0/23

Right Out: -15.004 ± 1.958 χ^2/NDF : 74.0/18

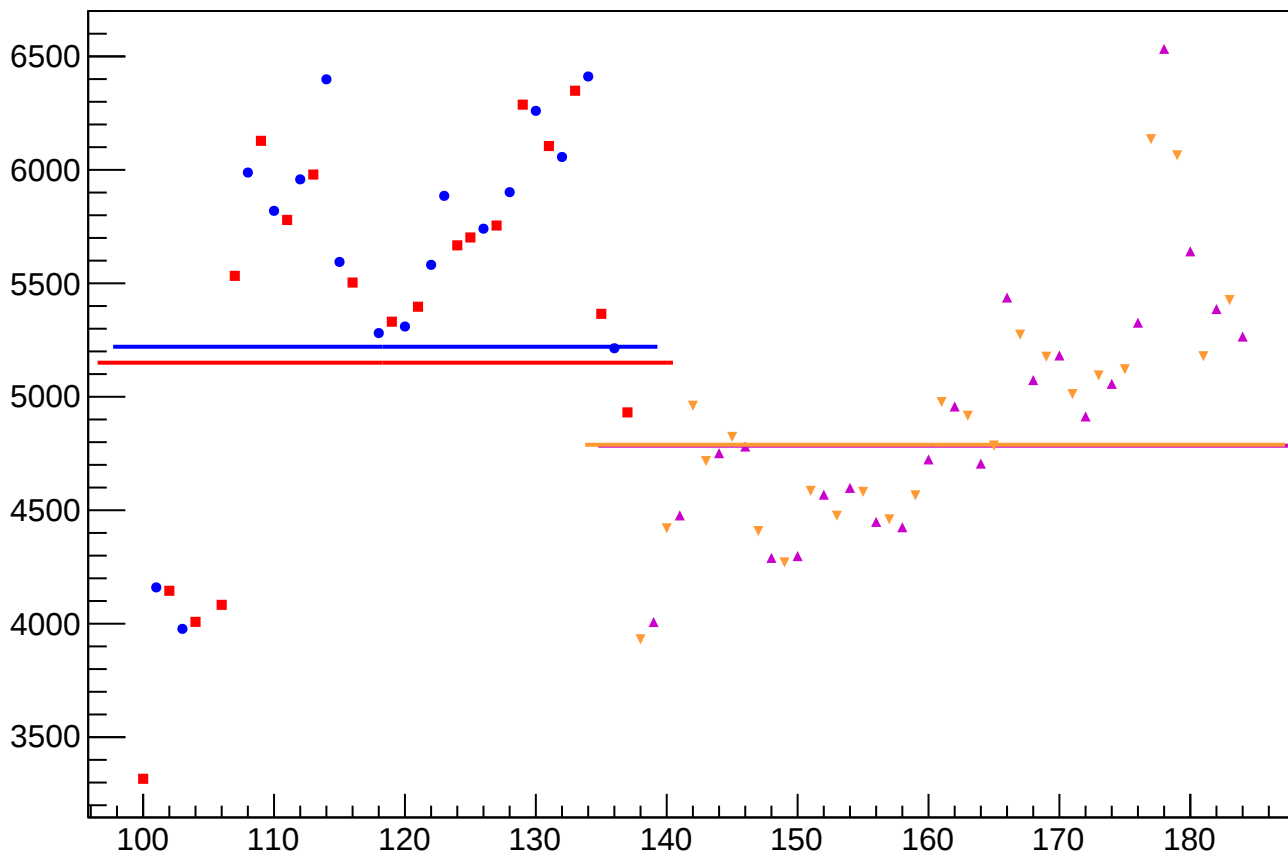
Left In: -2.501 ± 1.156 χ^2/NDF : 78.4/22

+ sign -0.102 ± 0.991 χ^2/NDF : 294.3/40

All: -2.904 ± 0.702 χ^2/NDF : 493.1/82

- sign -5.734 ± 0.995 χ^2/NDF : 182.7/41

diff_bpm0r05Y_rms vs Slug



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

Left Out: 4788.659+/-0.801 χ^2 /NDF:355696.6/23

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

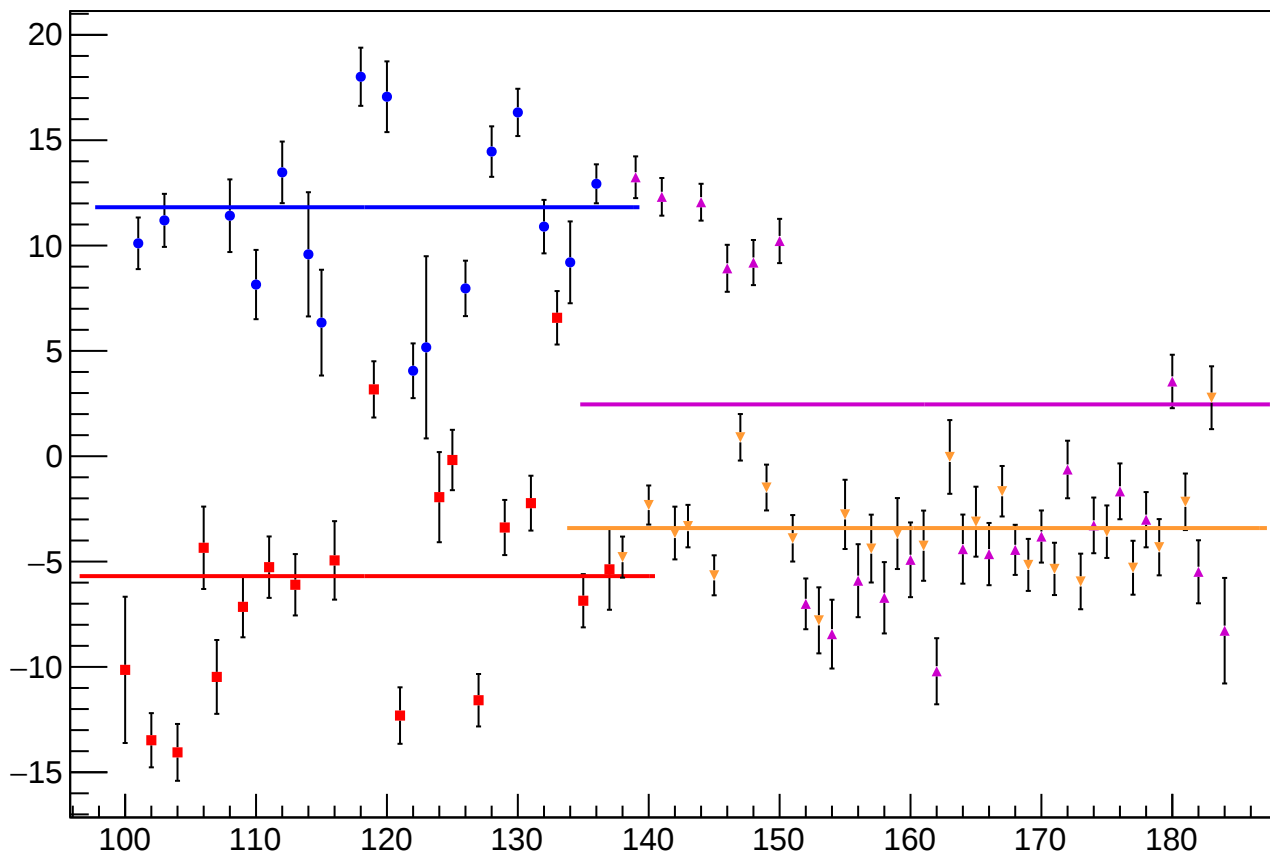
Left In: 4784.434+/-0.817 χ^2 /NDF:357507.2/22

+ sign 4890.619+/-0.700 χ^2 /NDF: 735787.3/40

All: 4884.851+/-0.496 χ^2 /NDF: 1532810.0/82

- sign 4879.026+/-0.704 χ^2 /NDF: 796886.4/41

diff_bpm2i01X_mean vs Slug



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

Left Out: -3.410 ± 0.255 $\chi^2/\text{NDF}: 70.9/23$

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

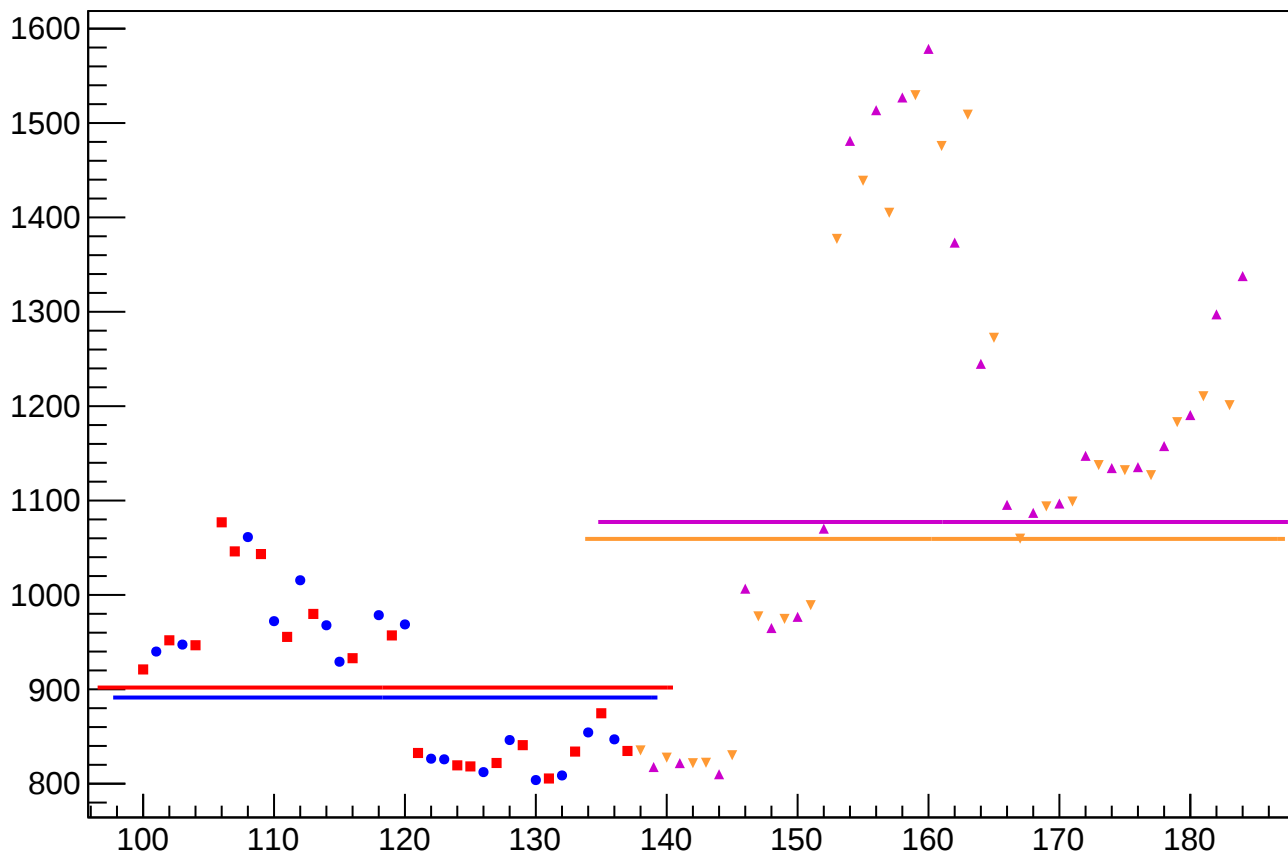
Left In: 2.461 ± 0.264 $\chi^2/\text{NDF}: 928.0/22$

+ sign 1.963 ± 0.205 $\chi^2/\text{NDF}: 1445.8/40$

All: 0.693 ± 0.146 $\chi^2/\text{NDF}: 3110.4/82$

- sign -0.620 ± 0.209 $\chi^2/\text{NDF}: 1586.5/41$

diff_bpm2i01X_rms vs Slug



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

Left Out: 1059.363 ± 0.180 $\chi^2/\text{NDF}: 1371630.9/23$

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

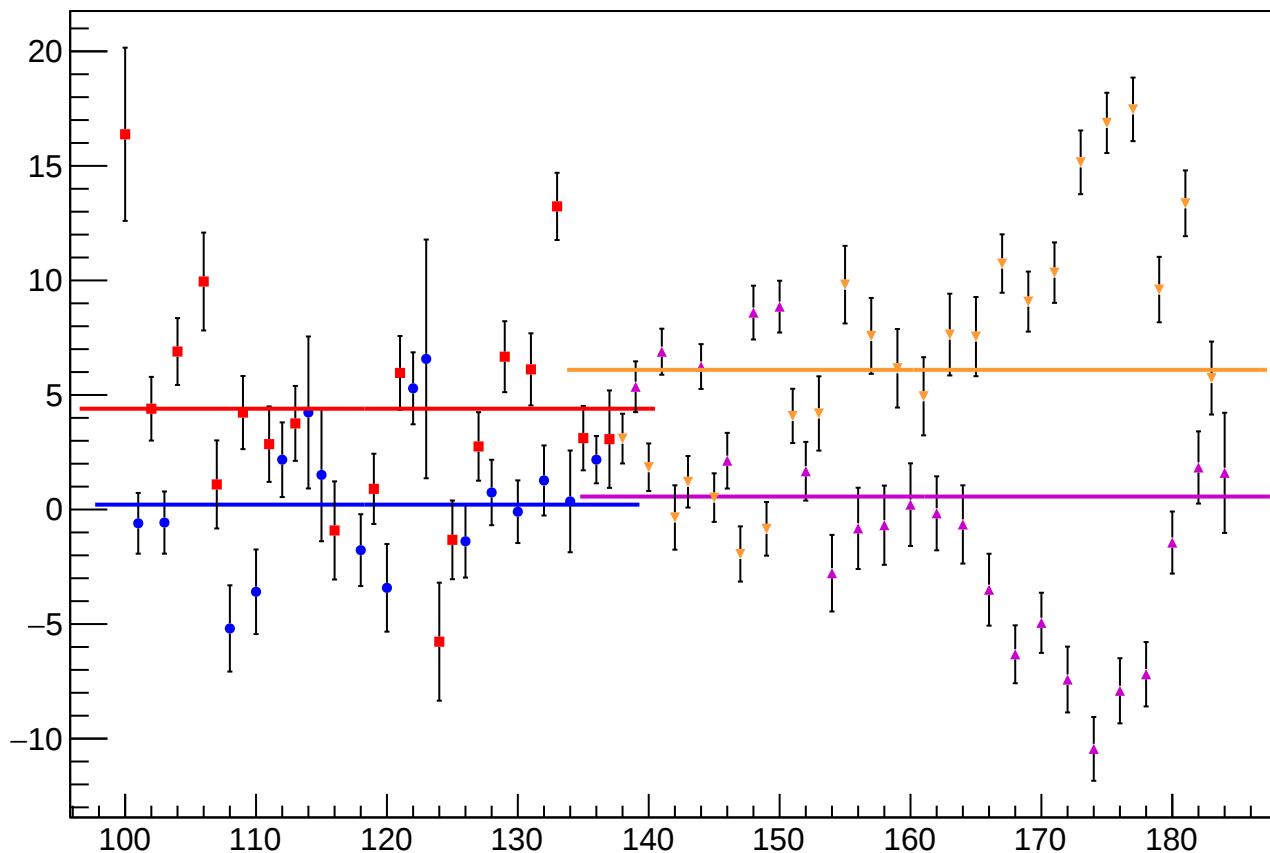
Left In: 1077.284 ± 0.187 $\chi^2/\text{NDF}: 1280349.9/22$

+ sign 1000.065 ± 0.145 $\chi^2/\text{NDF}: 1779831.4/40$

All: 1005.433 ± 0.103 $\chi^2/\text{NDF}: 3510007.5/82$

- sign 1010.984 ± 0.147 $\chi^2/\text{NDF}: 1727387.4/41$

diff_bpm2i01Y_mean vs Slug



Right In: 0.213 ± 0.396 χ^2/NDF : 38.8/16

Left Out: 6.097 ± 0.274 χ^2/NDF : 420.8/23

Right Out: 4.400 ± 0.387 χ^2/NDF : 104.8/18

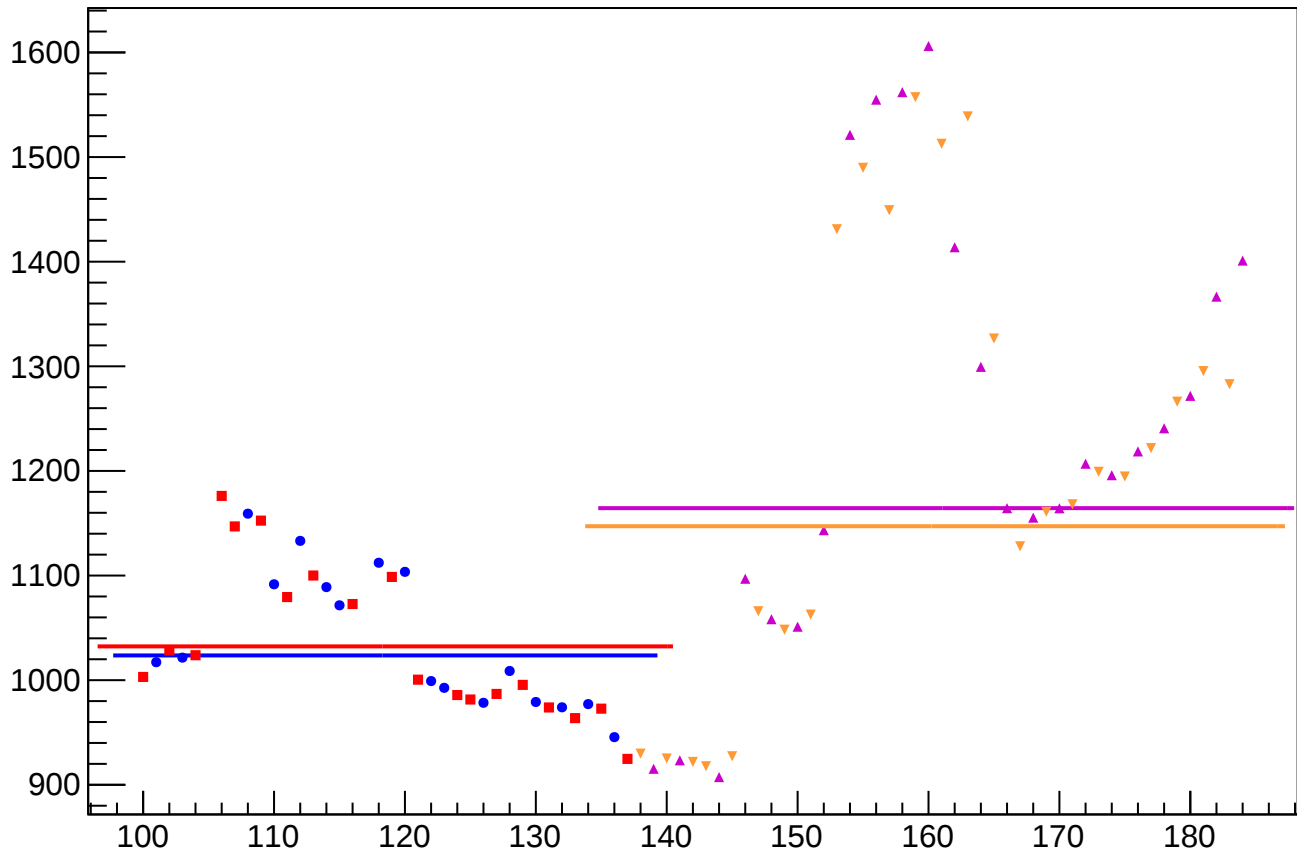
Left In: 0.566 ± 0.284 χ^2/NDF : 417.0/22

+ sign 4.186 ± 0.225 χ^2/NDF : 608.8/40

All: 3.065 ± 0.161 χ^2/NDF : 1244.6/82

- sign 1.907 ± 0.229 χ^2/NDF : 585.4/41

diff_bpm2i01Y_rms vs Slug



Right In: 1023.643+/-0.280 χ^2/NDF : 52282.5/16

Left Out: 1147.147+/-0.194 χ^2/NDF : 1022166.0/23

Right Out: 1032.299+/-0.274 χ^2/NDF : 59262.4/18

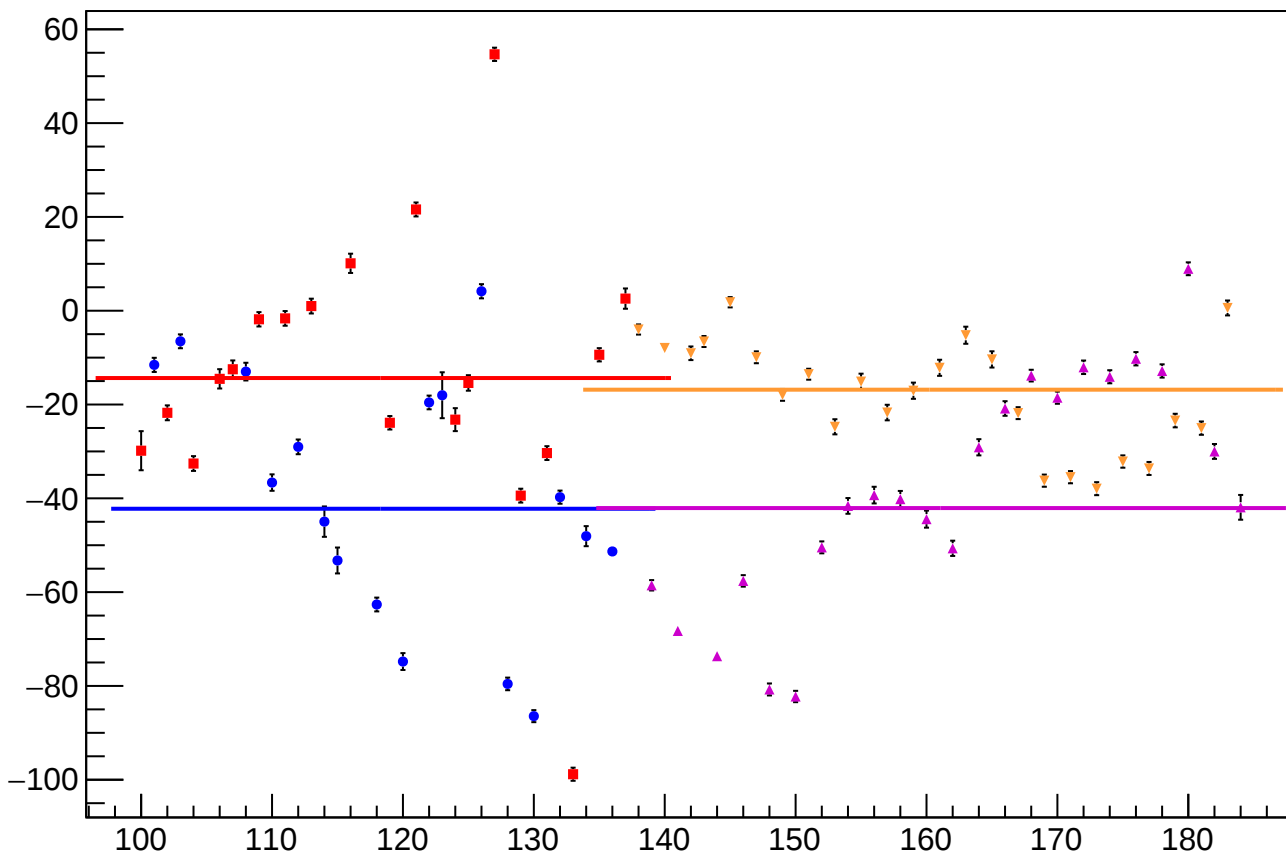
Left In: 1164.432+/-0.201 χ^2/NDF : 944112.0/22

+ sign 1107.037+/-0.159 χ^2/NDF : 1206021.7/40

All: 1112.540+/-0.114 χ^2/NDF : 2363090.7/82

- sign 1118.222+/-0.162 χ^2/NDF : 1154647.6/41

diff_bpm2i02X_mean vs Slug



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

Left Out: -16.837 ± 0.278 χ^2/NDF : 1868.1/23

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

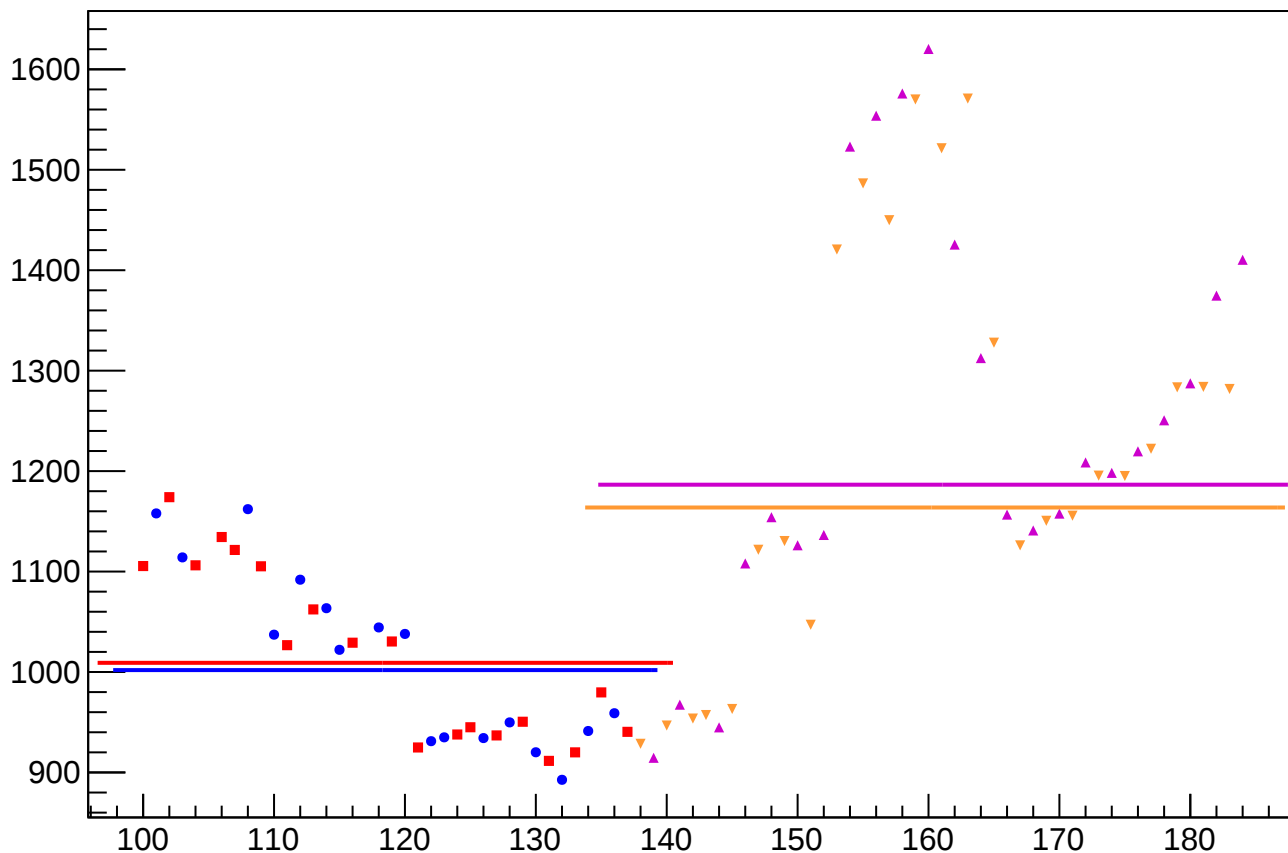
Left In: -42.077 ± 0.289 χ^2/NDF : 8332.3/22

+ sign -25.452 ± 0.226 χ^2/NDF : 9794.8/40

All: -28.614 ± 0.161 χ^2/NDF : 29573.7/82

- sign -31.886 ± 0.230 χ^2/NDF : 19380.6/41

diff_bpm2i02X_rms vs Slug



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

Left Out: 1163.774 $\pm$ 0.197 χ^2 /NDF: 916672.0/23

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

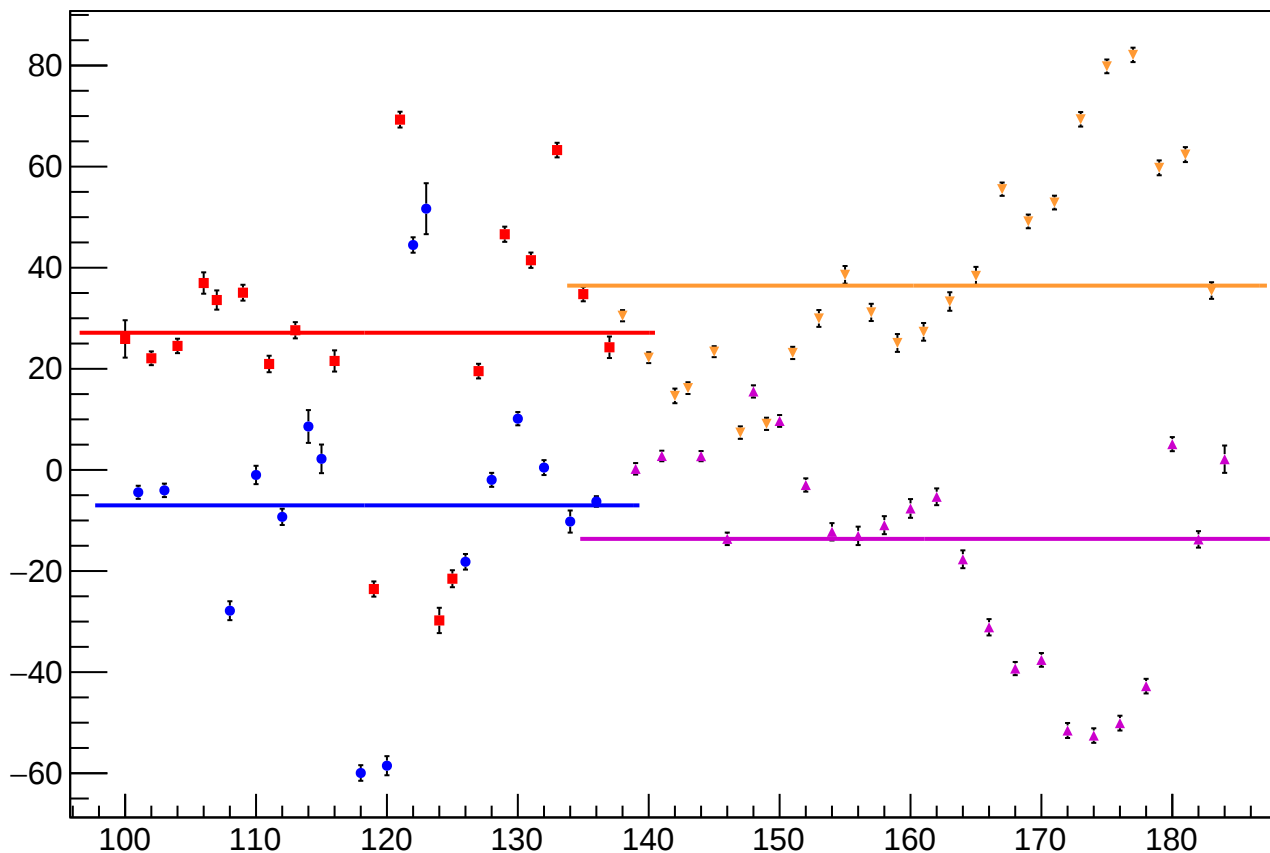
Left In: 1186.476 $\pm$ 0.204 χ^2 /NDF: 833420.3/22

+ sign 1108.834 $\pm$ 0.160 χ^2 /NDF: 1241994.9/40

All: 1114.955 $\pm$ 0.114 χ^2 /NDF: 2450077.1/82

- sign 1121.291 $\pm$ 0.163 χ^2 /NDF: 1205095.8/41

diff_bpm2i02Y_mean vs Slug



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

Left Out: 36.459 ± 0.283 χ^2/NDF : 5727.3/23

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

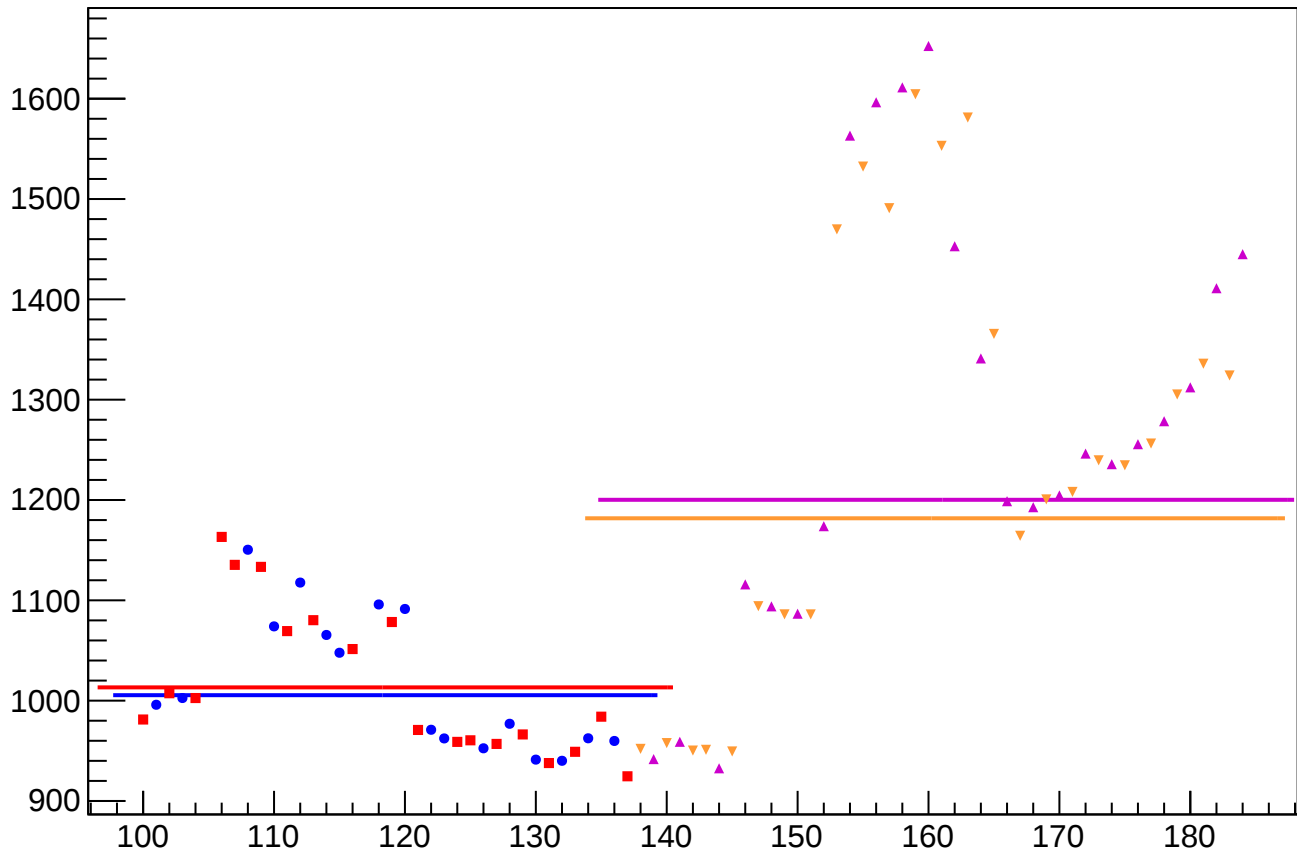
Left In: -13.640 ± 0.293 χ^2/NDF : 5178.0/22

+ sign 21.420 ± 0.229 χ^2/NDF : 17543.8/40

All: 11.625 ± 0.163 χ^2/NDF : 37924.6/82

- sign 1.536 ± 0.232 χ^2/NDF : 16653.6/41

diff_bpm2i02Y_rms vs Slug



Right In: 1005.453+/-0.275 χ^2/NDF : 54493.5/16

Left Out: 1181.771+/-0.200 χ^2/NDF : 1020518.2/23

Right Out: 1013.228+/-0.269 χ^2/NDF : 63189.9/18

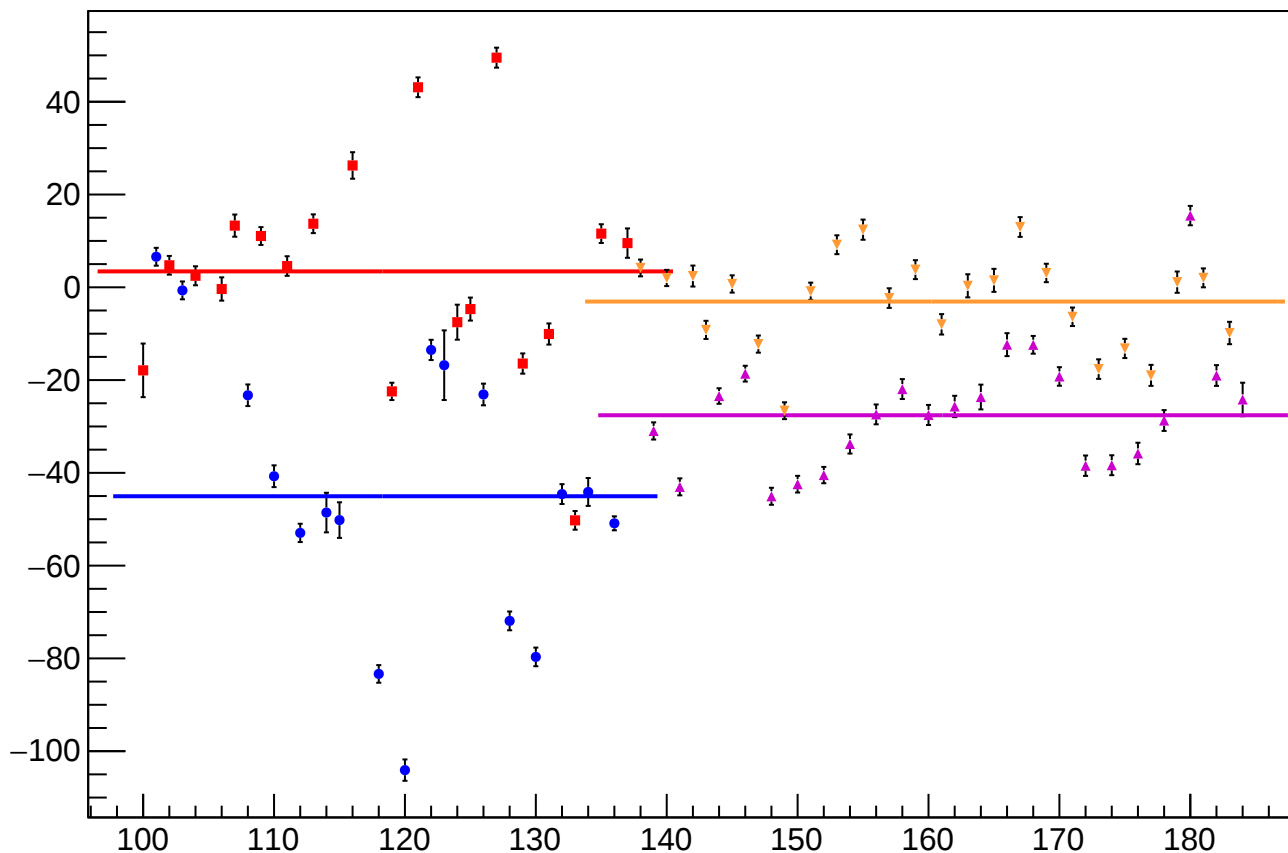
Left In: 1200.198+/-0.207 χ^2/NDF : 938224.7/22

+ sign 1120.773+/-0.162 χ^2/NDF : 1344231.0/40

All: 1125.620+/-0.115 χ^2/NDF : 2651001.4/82

- sign 1130.612+/-0.164 χ^2/NDF : 1304945.3/41

diff_bpm0i02X_mean vs Slug



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

Left Out: -3.072 ± 0.419 χ^2/NDF : 555.1/23

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

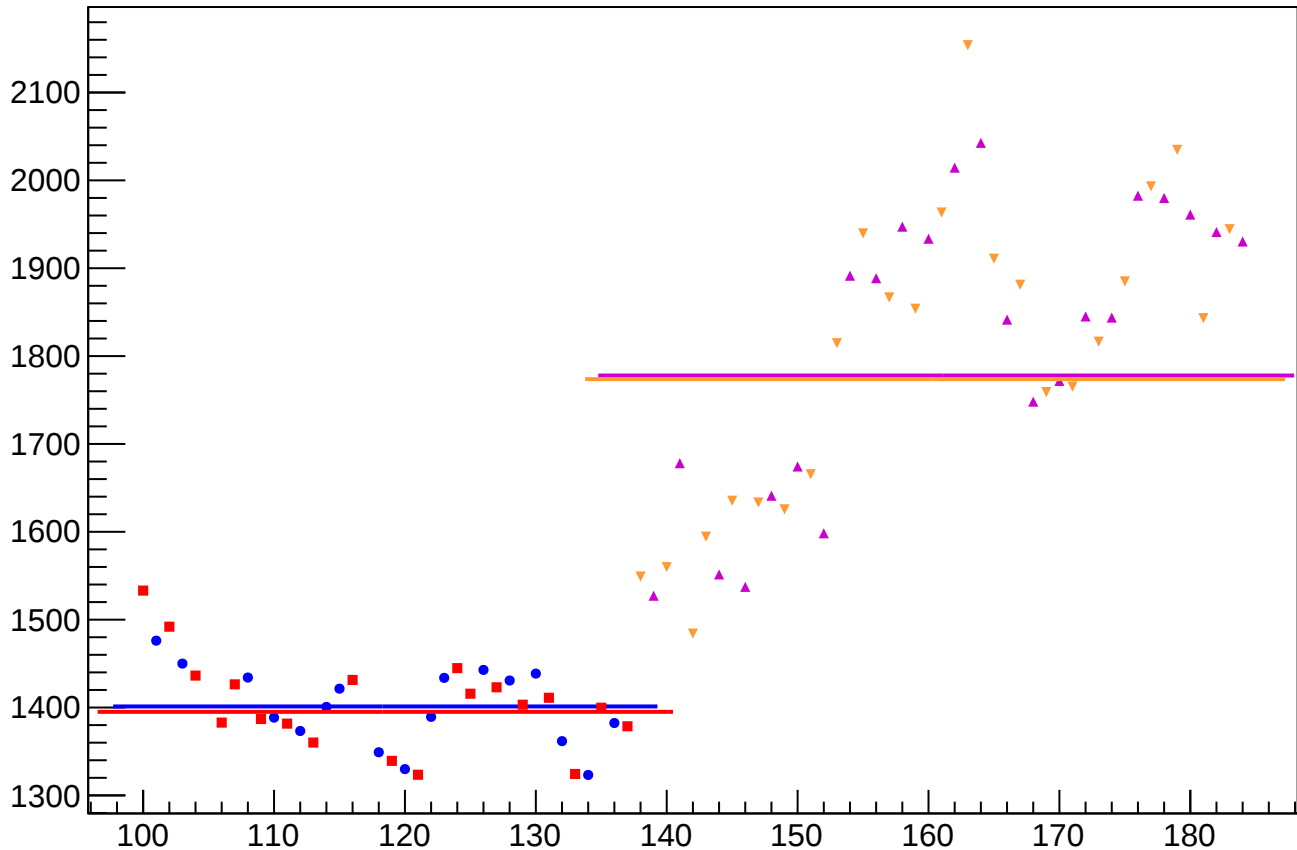
Left In: -27.583 ± 0.429 χ^2/NDF : 960.1/22

+ sign -18.830 ± 0.331 χ^2/NDF : 7542.9/40

All: -16.967 ± 0.234 χ^2/NDF : 12671.6/82

- sign -15.099 ± 0.332 χ^2/NDF : 5065.4/41

diff_bpm0i02X_rms vs Slug



Right In: 1401.235 $\pm$ 0.382 χ^2 /NDF: 12839.4/16

Left Out: 1773.762 $\pm$ 0.296 χ^2 /NDF:308845.3/23

Right Out: 1395.100 $\pm$ 0.370 χ^2 /NDF: 15523.2/18

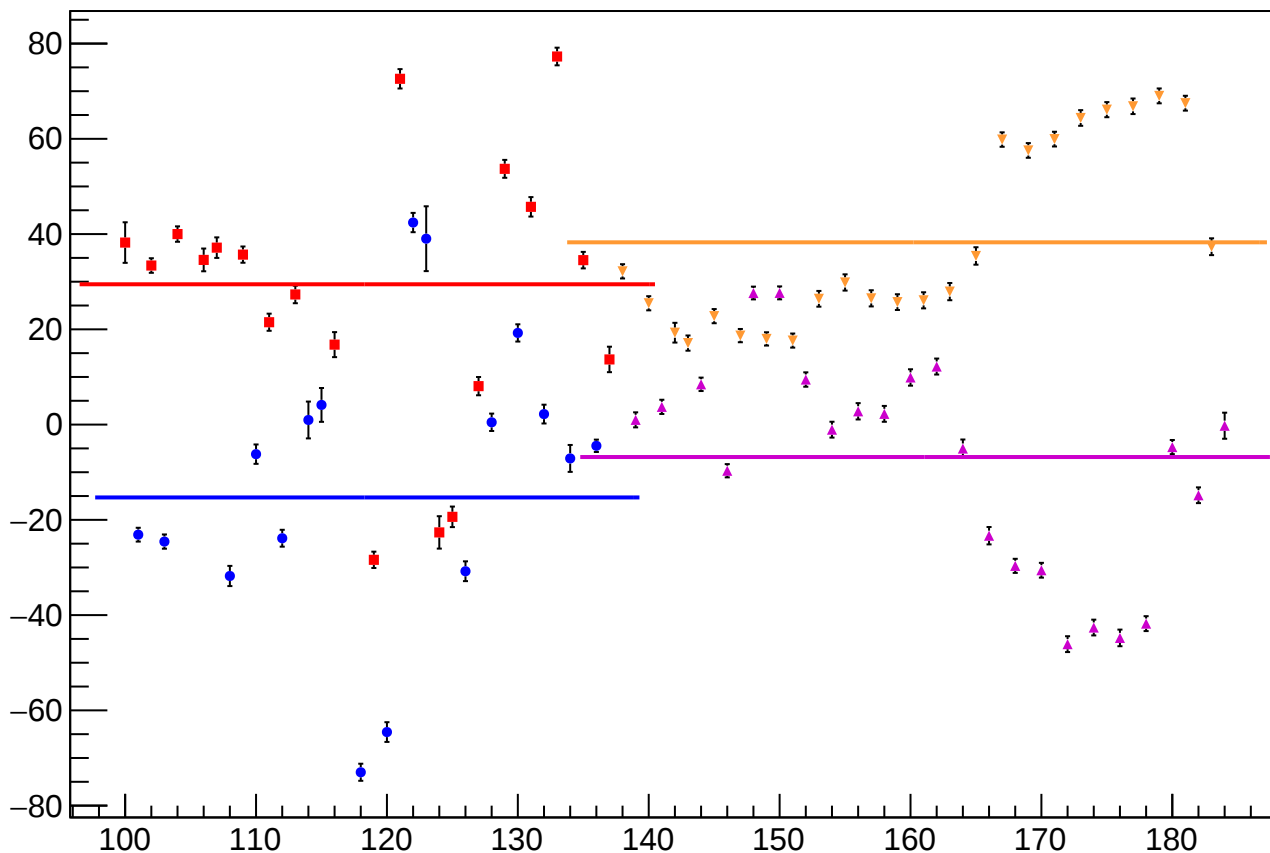
Left In: 1777.884 $\pm$ 0.303 χ^2 /NDF:299514.0/22

+ sign 1633.892 $\pm$ 0.234 χ^2 /NDF: 914790.8/40

All: 1628.850 $\pm$ 0.166 χ^2 /NDF: 1871647.3/82

- sign 1623.797 $\pm$ 0.234 χ^2 /NDF: 955928.7/41

diff_bpm0i02Y_mean vs Slug



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

Left Out: 38.271 ± 0.326 χ^2/NDF : 3490.9/23

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

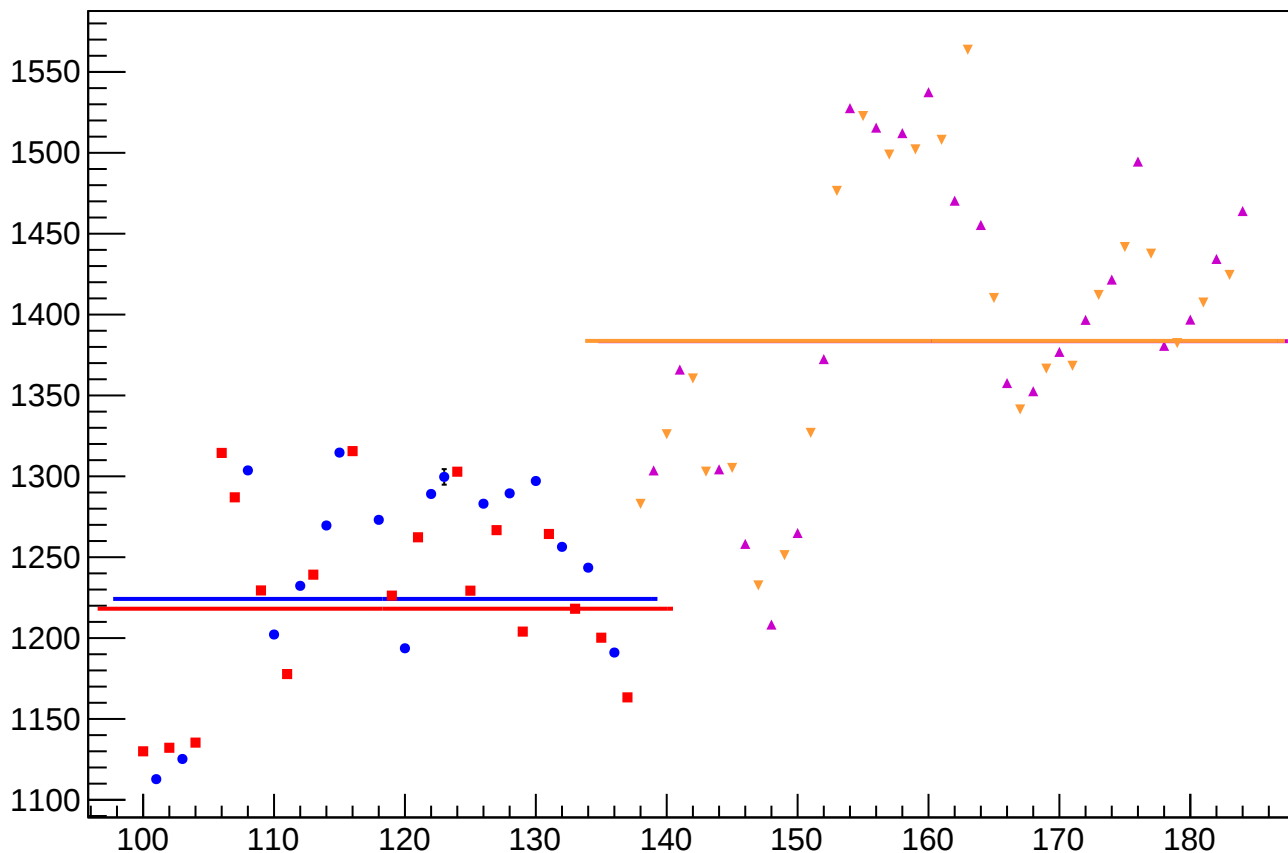
Left In: -6.808 ± 0.333 χ^2/NDF : 4494.5/22

+ sign 20.996 ± 0.269 χ^2/NDF : 15529.2/40

All: 13.400 ± 0.190 χ^2/NDF : 29270.5/82

- sign 5.773 ± 0.269 χ^2/NDF : 12138.0/41

diff_bpm0i02Y_rms vs Slug



Right In: 1224.212 $\pm$ 0.334 χ^2 /NDF: 38774.7/16

Left Out: 1383.729 $\pm$ 0.231 χ^2 /NDF:146589.9/23

Right Out: 1218.154 $\pm$ 0.323 χ^2 /NDF: 27562.5/18

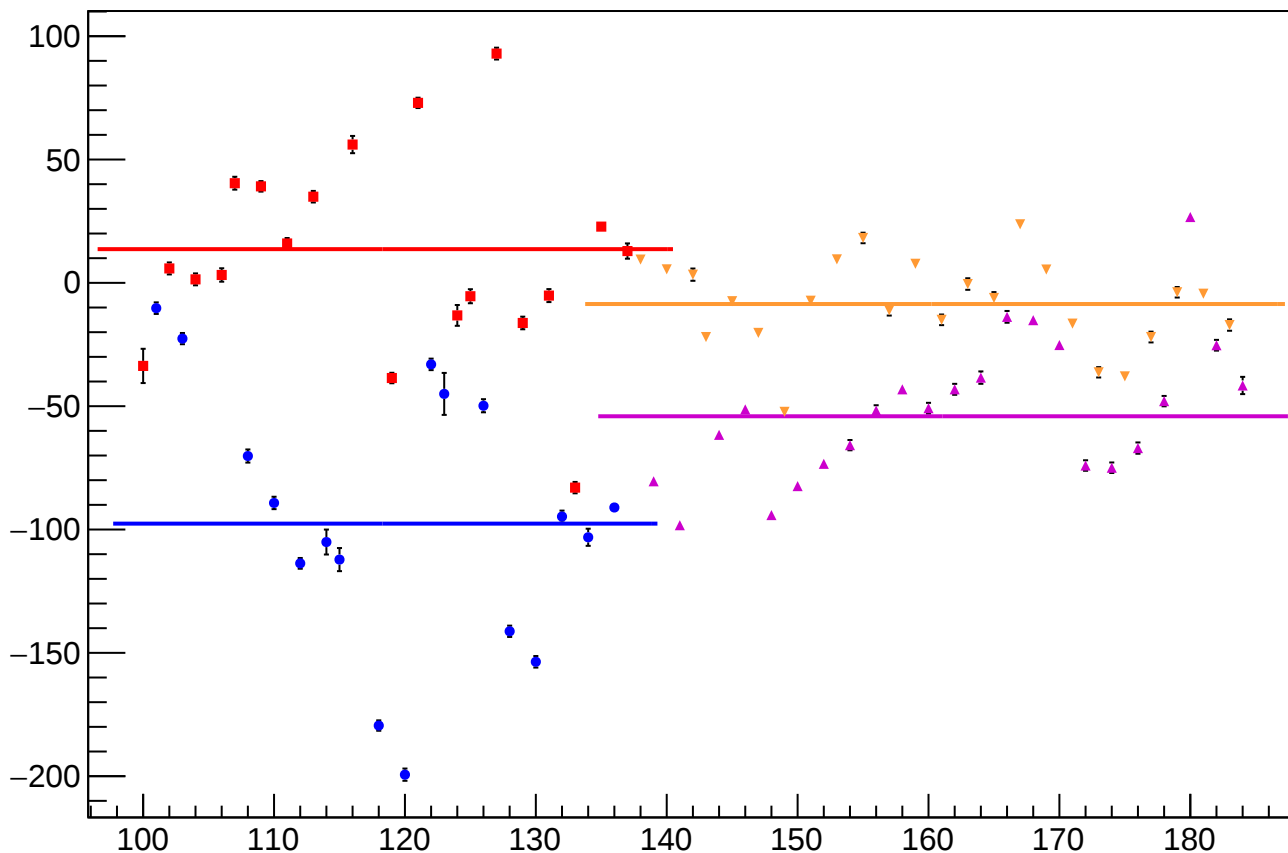
Left In: 1383.558 $\pm$ 0.235 χ^2 /NDF:154696.0/22

+ sign 1332.285 $\pm$ 0.190 χ^2 /NDF: 339540.6/40

All: 1329.239 $\pm$ 0.134 χ^2 /NDF: 693499.6/82

- sign 1326.181 $\pm$ 0.190 χ^2 /NDF: 353443.3/41

diff_bpm0i02aX_mean vs Slug



Right In: -97.610 ± 0.602 $\chi^2/\text{NDF}: 7919.3/16$

Left Out: -8.580 ± 0.414 $\chi^2/\text{NDF}: 1934.9/23$

Right Out: 13.666 ± 0.580 $\chi^2/\text{NDF}: 5116.2/18$

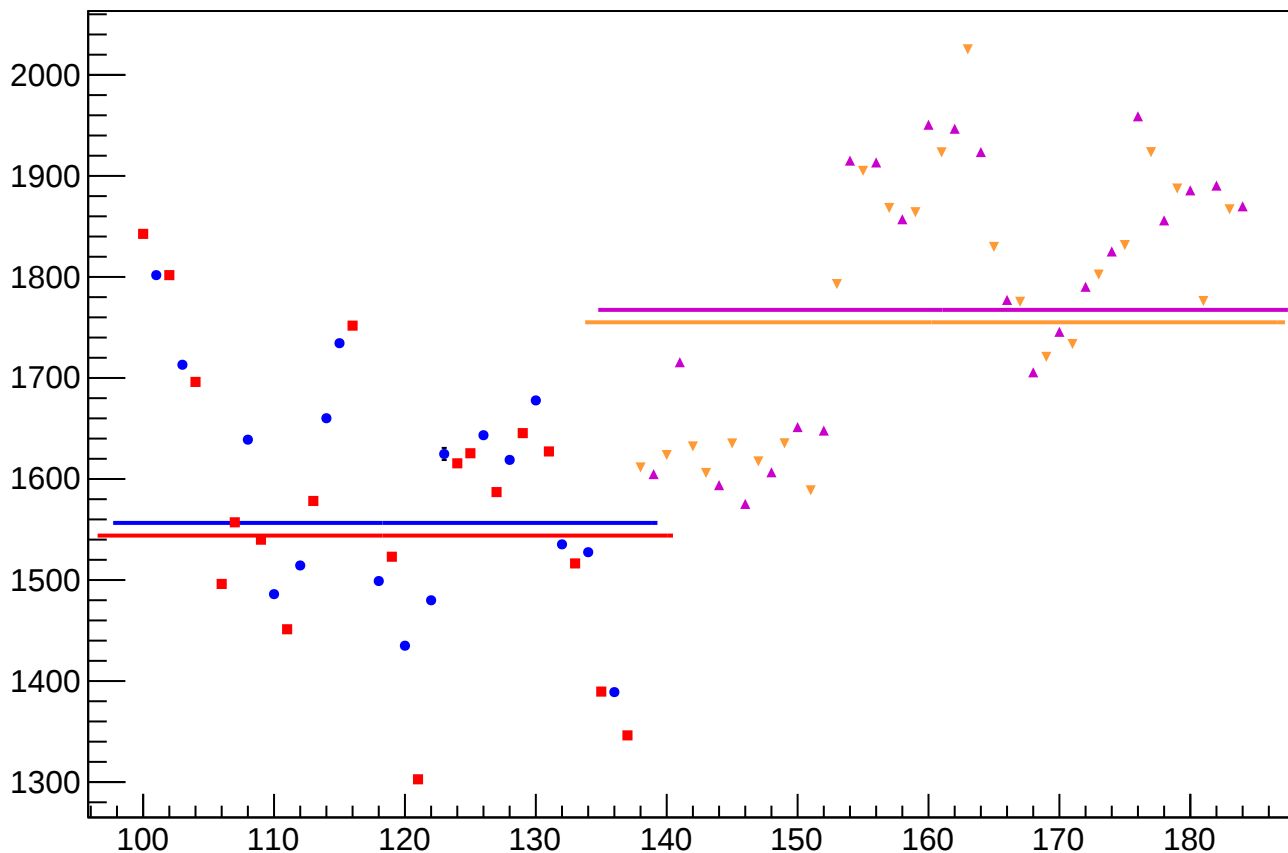
Left In: -54.089 ± 0.426 $\chi^2/\text{NDF}: 4721.6/22$

+ sign -37.157 ± 0.341 $\chi^2/\text{NDF}: 24692.0/40$

All: -33.793 ± 0.242 $\chi^2/\text{NDF}: 43588.8/82$

- sign -30.389 ± 0.343 $\chi^2/\text{NDF}: 18701.3/41$

diff_bpm0i02aX_rms vs Slug



Right In: 1556.539 $\pm$ 0.426 χ^2 /NDF: 81438.3/16

Left Out: 1755.110 $\pm$ 0.293 χ^2 /NDF:176336.3/23

Right Out: 1543.993 $\pm$ 0.410 χ^2 /NDF: 100599.9/18

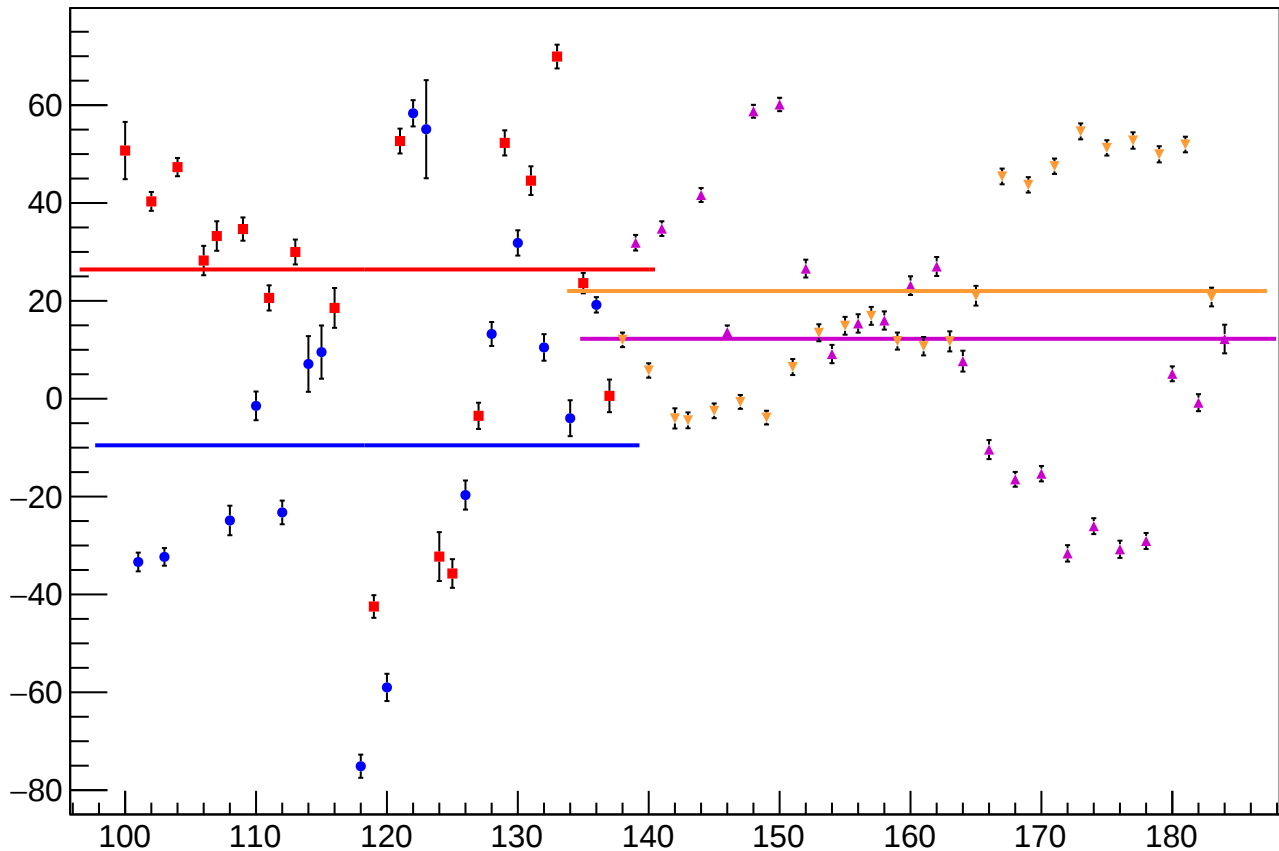
Left In: 1767.410 $\pm$ 0.301 χ^2 /NDF:187958.2/22

+ sign 1691.372 $\pm$ 0.241 χ^2 /NDF: 405397.6/40

All: 1690.323 $\pm$ 0.171 χ^2 /NDF: 886738.5/82

- sign 1689.262 $\pm$ 0.243 χ^2 /NDF: 481302.9/41

diff_bpm0i02aY_mean vs Slug



Right In: -9.523 ± 0.627 χ^2/NDF : 2908.8/16

Left Out: 22.011 ± 0.338 χ^2/NDF : 4075.9/23

Right Out: 26.417 ± 0.604 χ^2/NDF : 2451.3/18

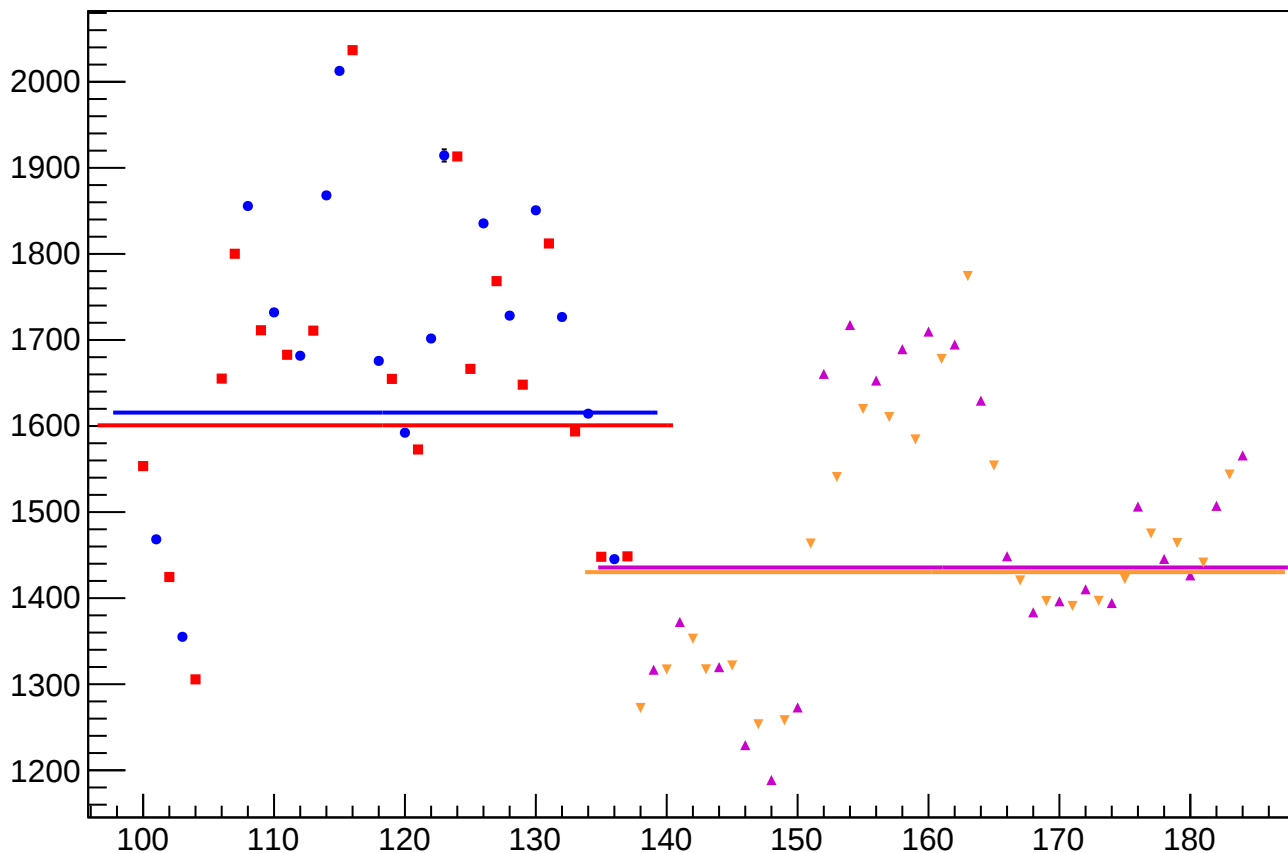
Left In: 12.246 ± 0.347 χ^2/NDF : 6781.6/22

+ sign 14.910 ± 0.298 χ^2/NDF : 8942.3/40

All: 15.333 ± 0.212 χ^2/NDF : 18593.5/82

- sign 15.766 ± 0.301 χ^2/NDF : 9647.1/41

diff_bpm0i02aY_rms vs Slug



Right In: 1615.627 $\pm$ 0.444 χ^2 /NDF: 149190.0/16

Left Out: 1430.222 $\pm$ 0.239 χ^2 /NDF: 295095.5/23

Right Out: 1600.836 $\pm$ 0.427 χ^2 /NDF: 153528.6/18

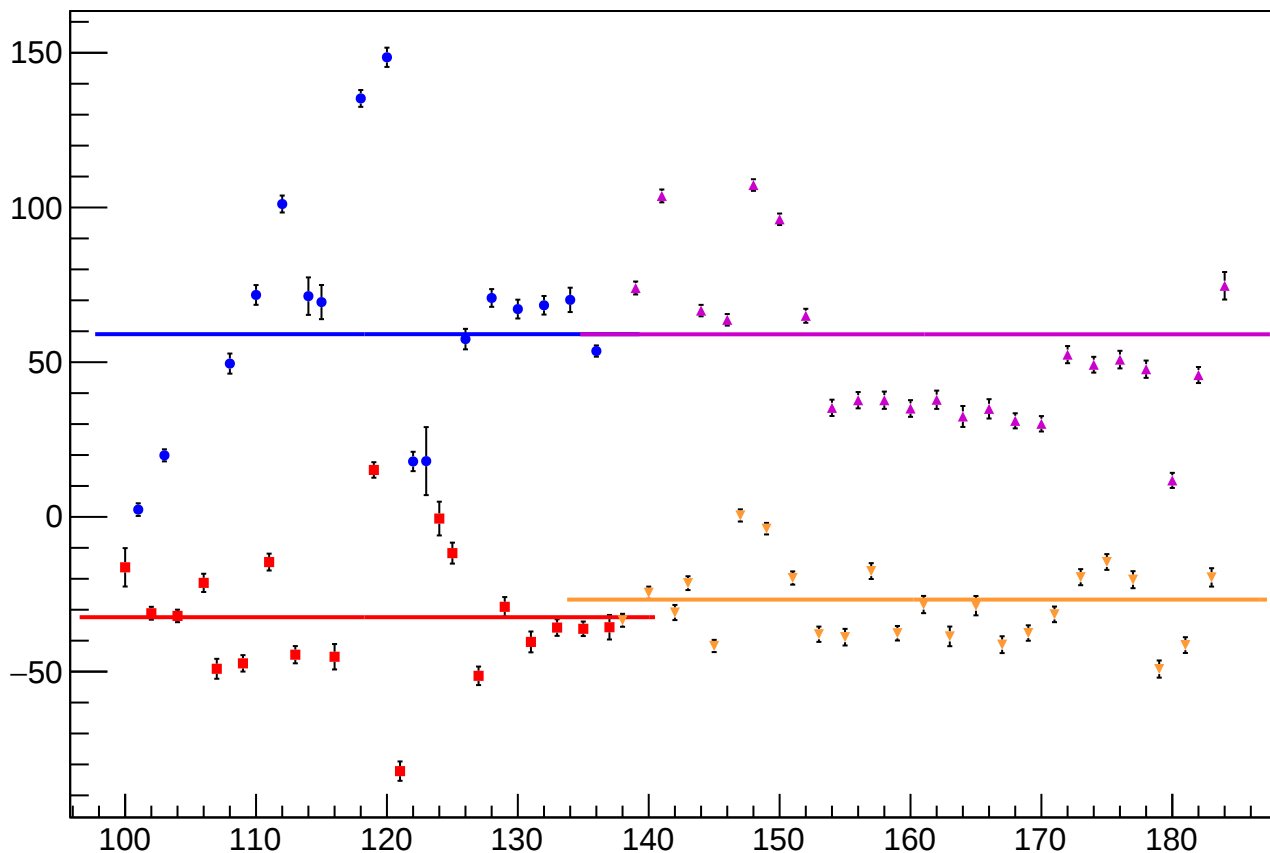
Left In: 1435.645 $\pm$ 0.245 χ^2 /NDF: 420835.0/22

+ sign 1471.972 $\pm$ 0.211 χ^2 /NDF: 579624.1/40

All: 1474.301 $\pm$ 0.150 χ^2 /NDF: 1266790.1/82

- sign 1476.679 $\pm$ 0.213 χ^2 /NDF: 686918.8/41

diff_bpm0i05X_mean vs Slug



Right In: 59.057 $\pm$ 0.700 χ^2 /NDF: 3293.2/16

Left Out: -26.724 $\pm$ 0.493 χ^2 /NDF: 710.7/23

Right Out: -32.417 $\pm$ 0.667 χ^2 /NDF: 888.1/18

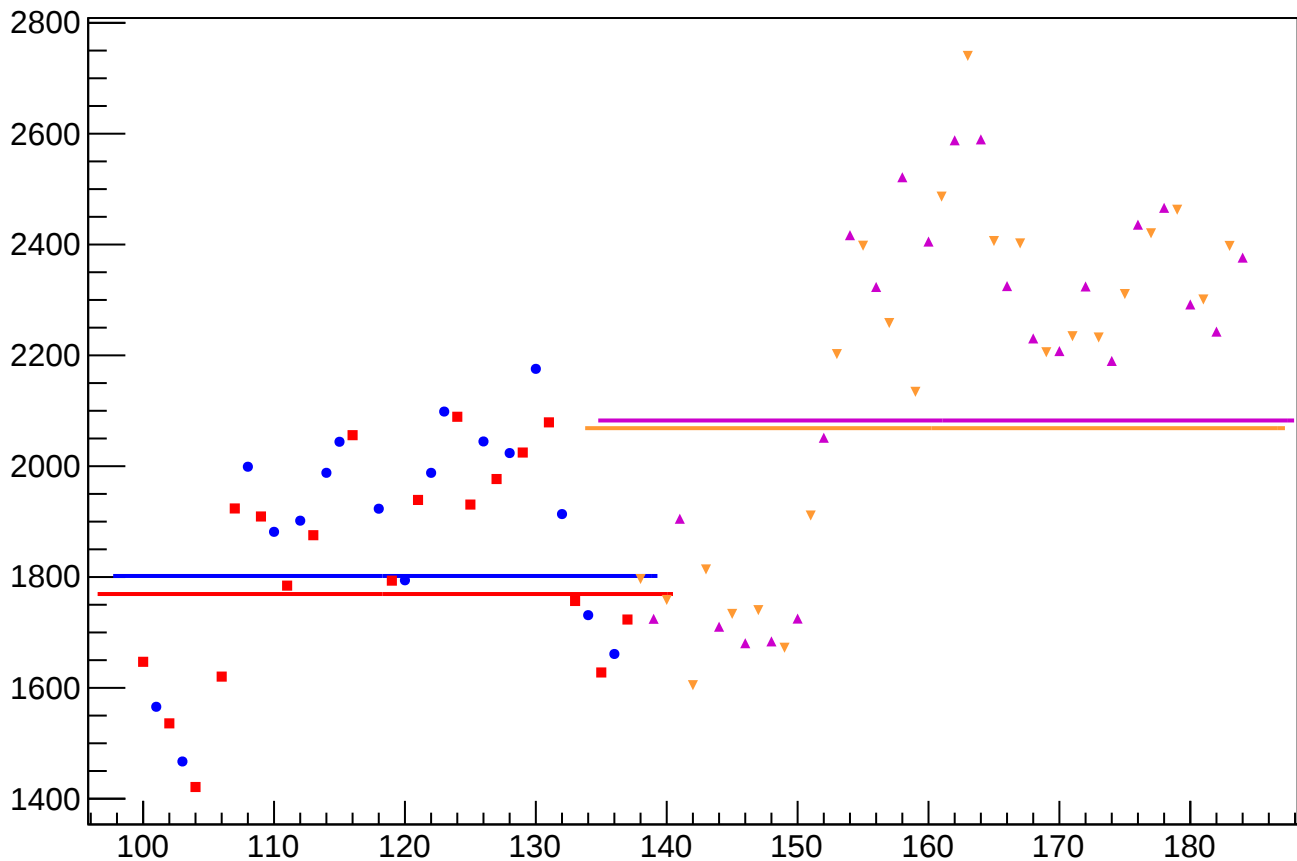
Left In: 59.014 $\pm$ 0.506 χ^2 /NDF: 2783.8/22

+ sign 1.662 $\pm$ 0.403 χ^2 /NDF: 14038.6/40

All: 13.620 $\pm$ 0.285 χ^2 /NDF: 31383.6/82

- sign 25.608 $\pm$ 0.403 χ^2 /NDF: 15581.4/41

diff_bpm0i05X_rms vs Slug



Right In: 1801.920+/-0.495 χ^2/NDF : 183555.8/16

Left Out: 2068.638+/-0.348 χ^2/NDF : 785777.1/23

Right Out: 1769.354+/-0.472 χ^2/NDF : 177813.0/18

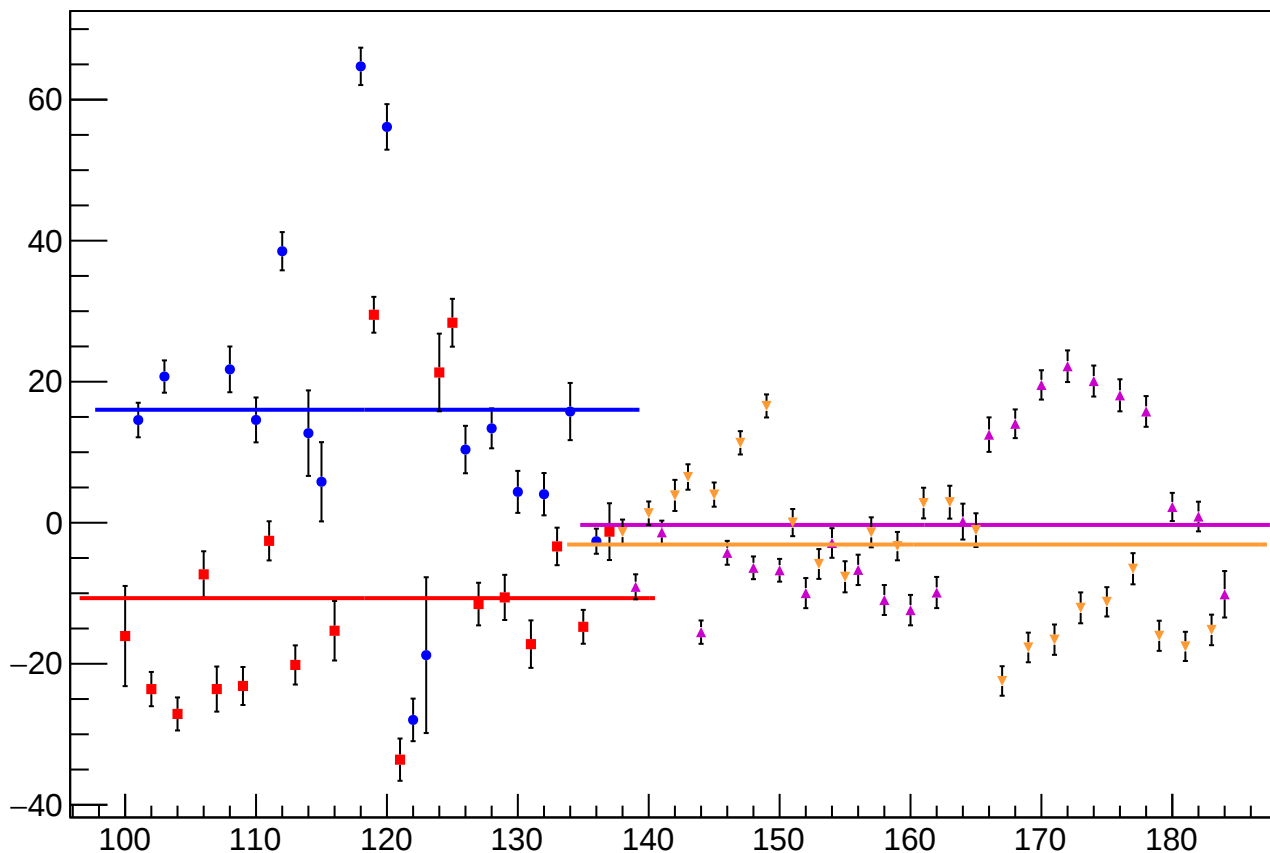
Left In: 2082.497+/-0.358 χ^2/NDF : 785304.0/22

+ sign 1980.377+/-0.285 χ^2/NDF : 1163355.6/40

All: 1974.238+/-0.202 χ^2/NDF : 2406798.2/82

- sign 1968.085+/-0.285 χ^2/NDF : 1242513.2/41

diff_bpm0i05Y_mean vs Slug



Right In: 16.023 ± 0.723 χ^2/NDF : 938.1/16

Left Out: -3.090 ± 0.409 χ^2/NDF : 632.1/23

Right Out: -10.695 ± 0.694 χ^2/NDF : 632.7/18

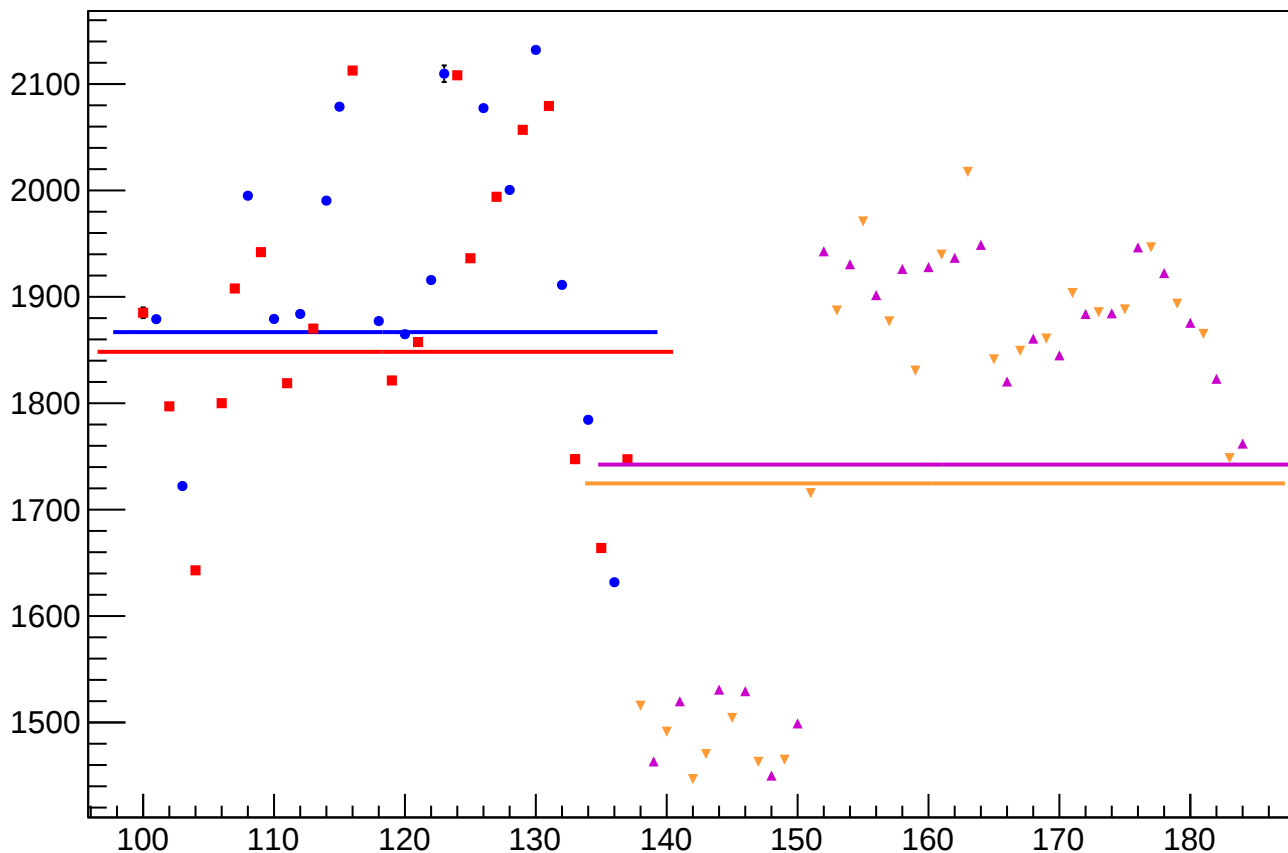
Left In: -0.312 ± 0.421 χ^2/NDF : 736.5/22

+ sign 1.541 ± 0.356 χ^2/NDF : 2100.2/40

All: -0.753 ± 0.253 χ^2/NDF : 3717.0/82

- sign -3.103 ± 0.360 χ^2/NDF : 1532.7/41

diff_bpm0i05Y_rms vs Slug



Right In: 1866.855 $\pm$ 0.511 χ^2 /NDF: 80657.5/16

Left Out: 1724.657 $\pm$ 0.289 χ^2 /NDF: 474996.9/23

Right Out: 1848.333 $\pm$ 0.491 χ^2 /NDF: 72586.9/18

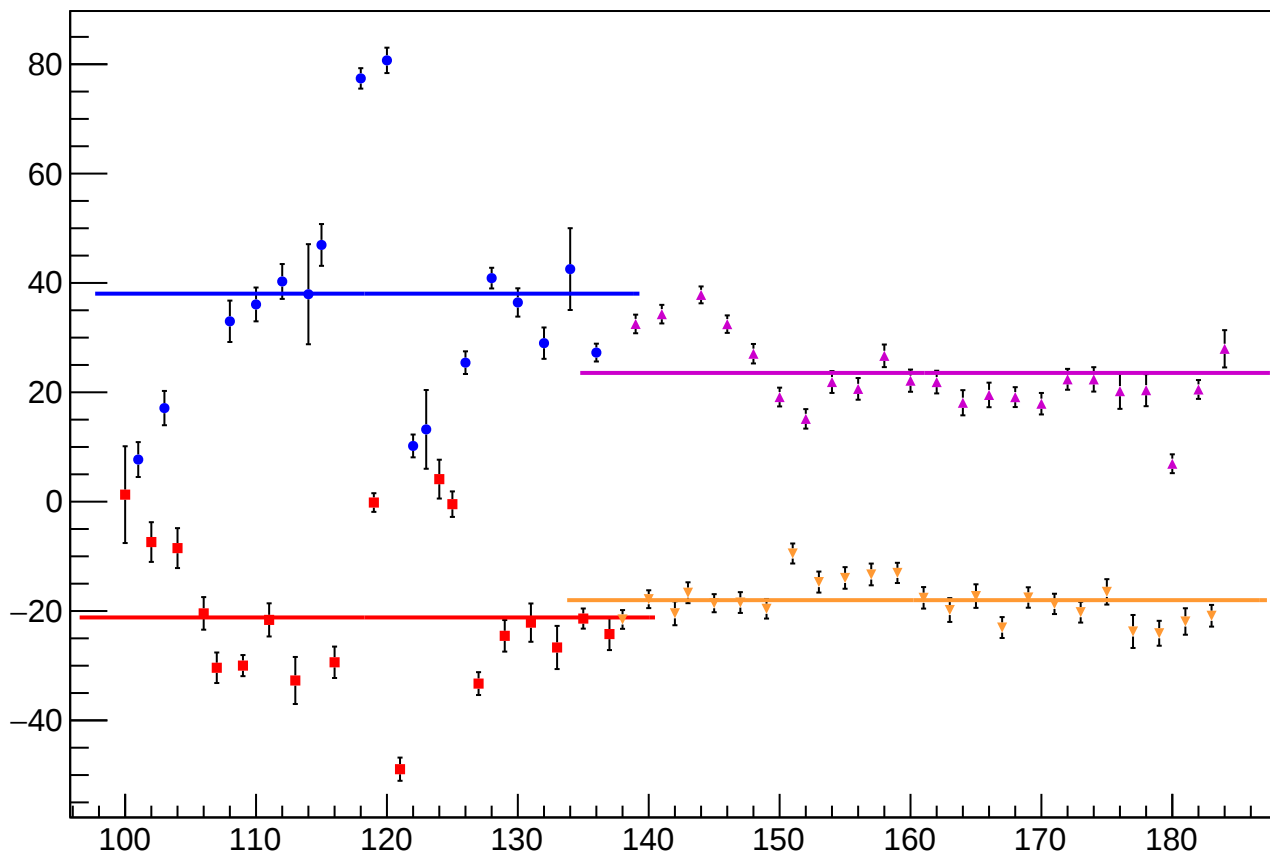
Left In: 1742.354 $\pm$ 0.298 χ^2 /NDF: 435841.5/22

+ sign 1759.107 $\pm$ 0.252 χ^2 /NDF: 614325.2/40

All: 1764.905 $\pm$ 0.179 χ^2 /NDF: 1157888.8/82

- sign 1770.845 $\pm$ 0.255 χ^2 /NDF: 542487.9/41

diff_bpm0i07X_mean vs Slug



Right In: 38.041 $\pm$ 0.639 χ^2/NDF : 1207.6/16

Left Out: -18.014 $\pm$ 0.400 χ^2/NDF : 73.7/23

Right Out: -21.178 $\pm$ 0.610 χ^2/NDF : 570.0/18

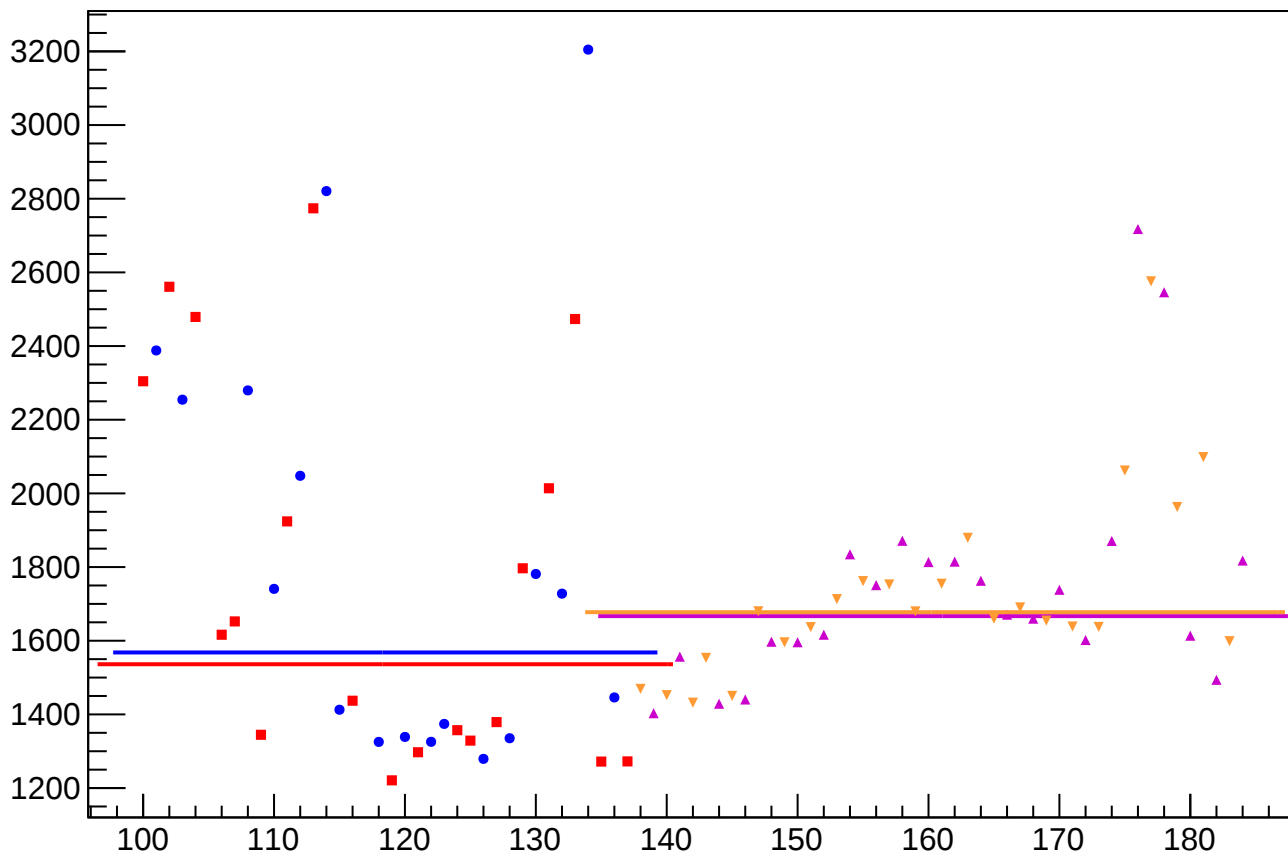
Left In: 23.544 $\pm$ 0.406 χ^2/NDF : 346.7/22

+ sign -2.223 $\pm$ 0.339 χ^2/NDF : 6813.0/40

All: 3.821 $\pm$ 0.239 χ^2/NDF : 12093.5/82

- sign 9.817 $\pm$ 0.338 χ^2/NDF : 4647.4/41

diff_bpm0i07X_rms vs Slug



Right In: 1568.172 $\pm$ 0.452 χ^2 /NDF: 668072.7/16

Left Out: 1677.484 $\pm$ 0.283 χ^2 /NDF: 501222.1/23

Right Out: 1536.208 $\pm$ 0.431 χ^2 /NDF: 882312.9/18

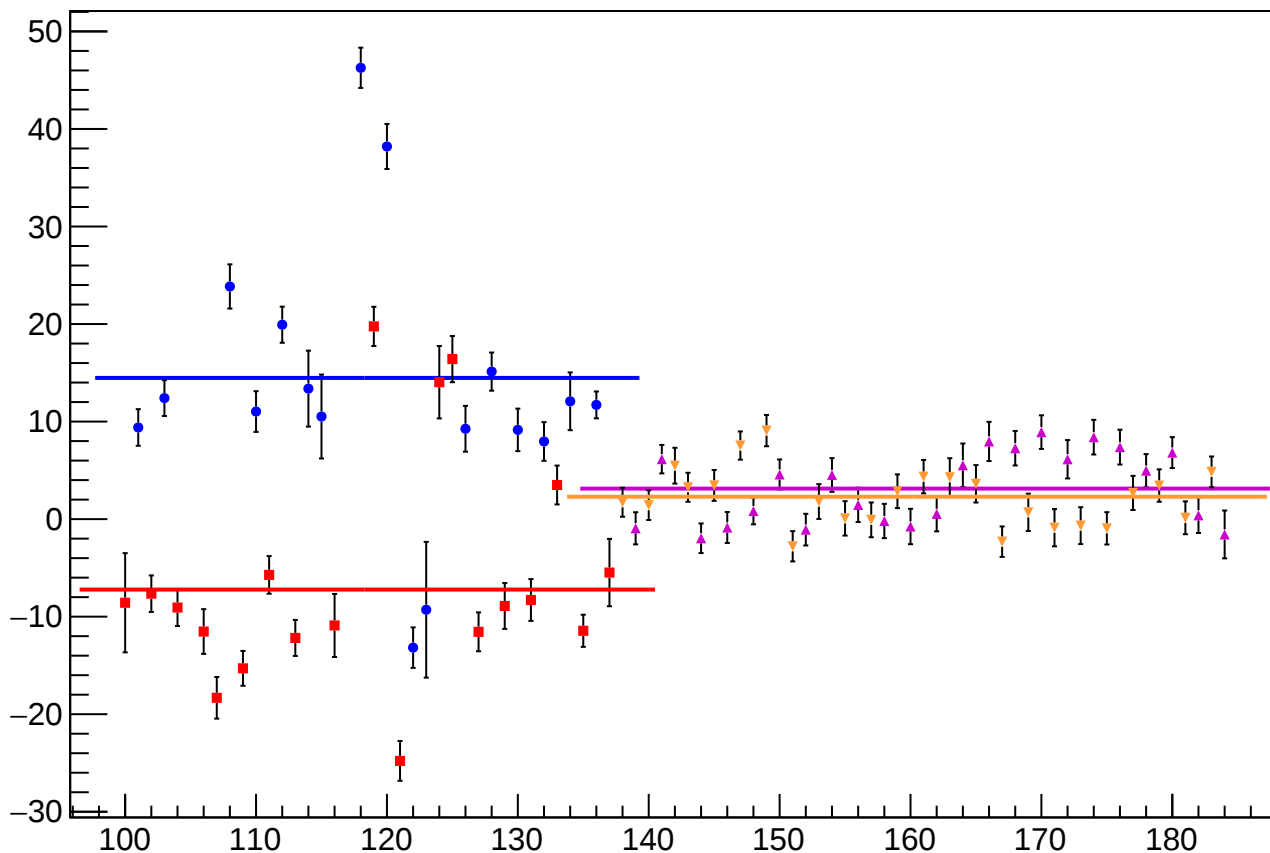
Left In: 1666.819 $\pm$ 0.287 χ^2 /NDF: 650990.8/22

+ sign 1646.690 $\pm$ 0.240 χ^2 /NDF: 1211366.1/40

All: 1636.670 $\pm$ 0.169 χ^2 /NDF: 2811788.6/82

- sign 1626.729 $\pm$ 0.239 χ^2 /NDF: 1596942.6/41

diff_bpm0i07Y_mean vs Slug



Right In: 14.477 ± 0.524 χ^2/NDF : 596.5/16

Left Out: 2.296 ± 0.343 χ^2/NDF : 75.9/23

Right Out: -7.223 ± 0.495 χ^2/NDF : 489.0/18

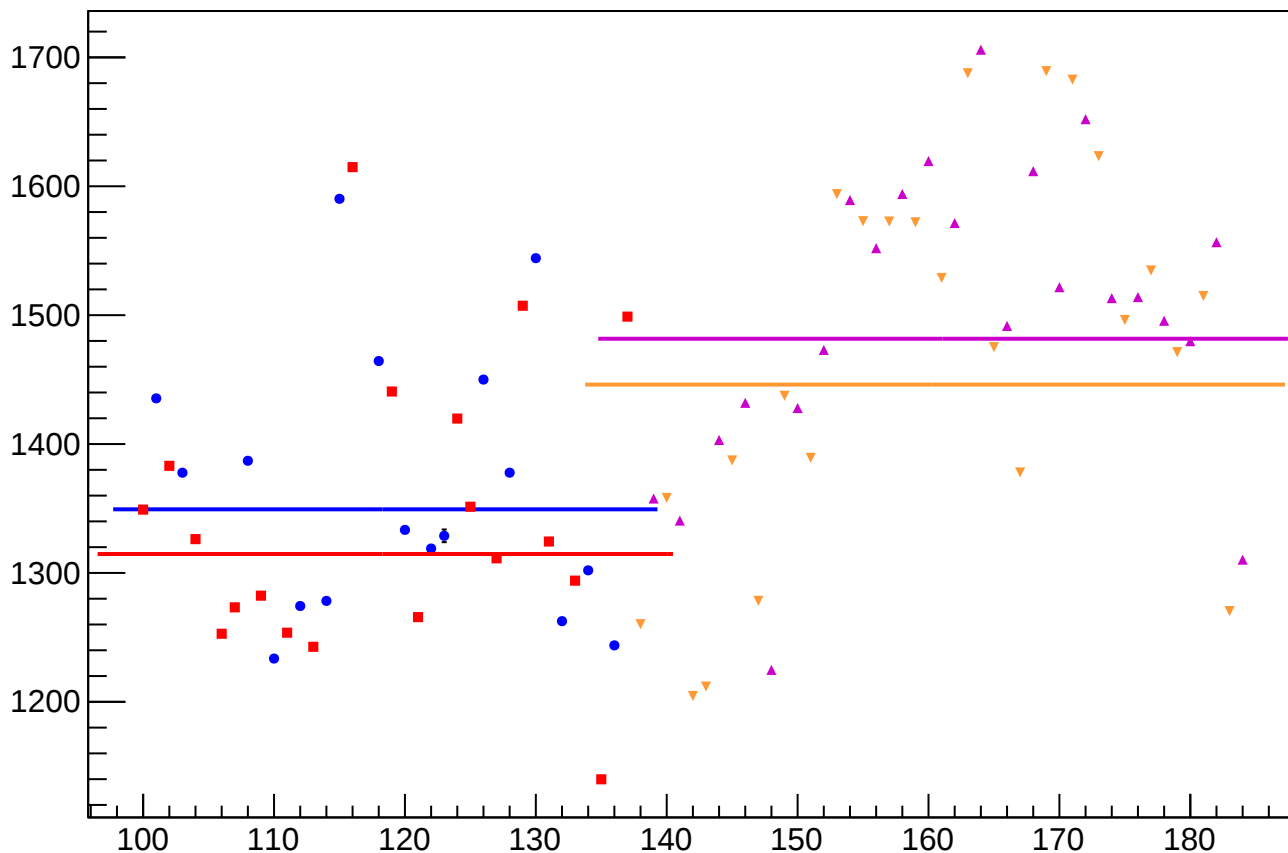
Left In: 3.129 ± 0.358 χ^2/NDF : 103.4/22

+ sign 5.942 ± 0.287 χ^2/NDF : 1051.0/40

All: 2.797 ± 0.204 χ^2/NDF : 2173.9/82

- sign -0.419 ± 0.290 χ^2/NDF : 879.5/41

diff_bpm0i07Y_rms vs Slug



Right In: 1349.357 $\pm$ 0.371 χ^2 /NDF: 64580.7/16

Left Out: 1446.133 $\pm$ 0.242 χ^2 /NDF: 355421.9/23

Right Out: 1314.682 $\pm$ 0.350 χ^2 /NDF: 80983.6/18

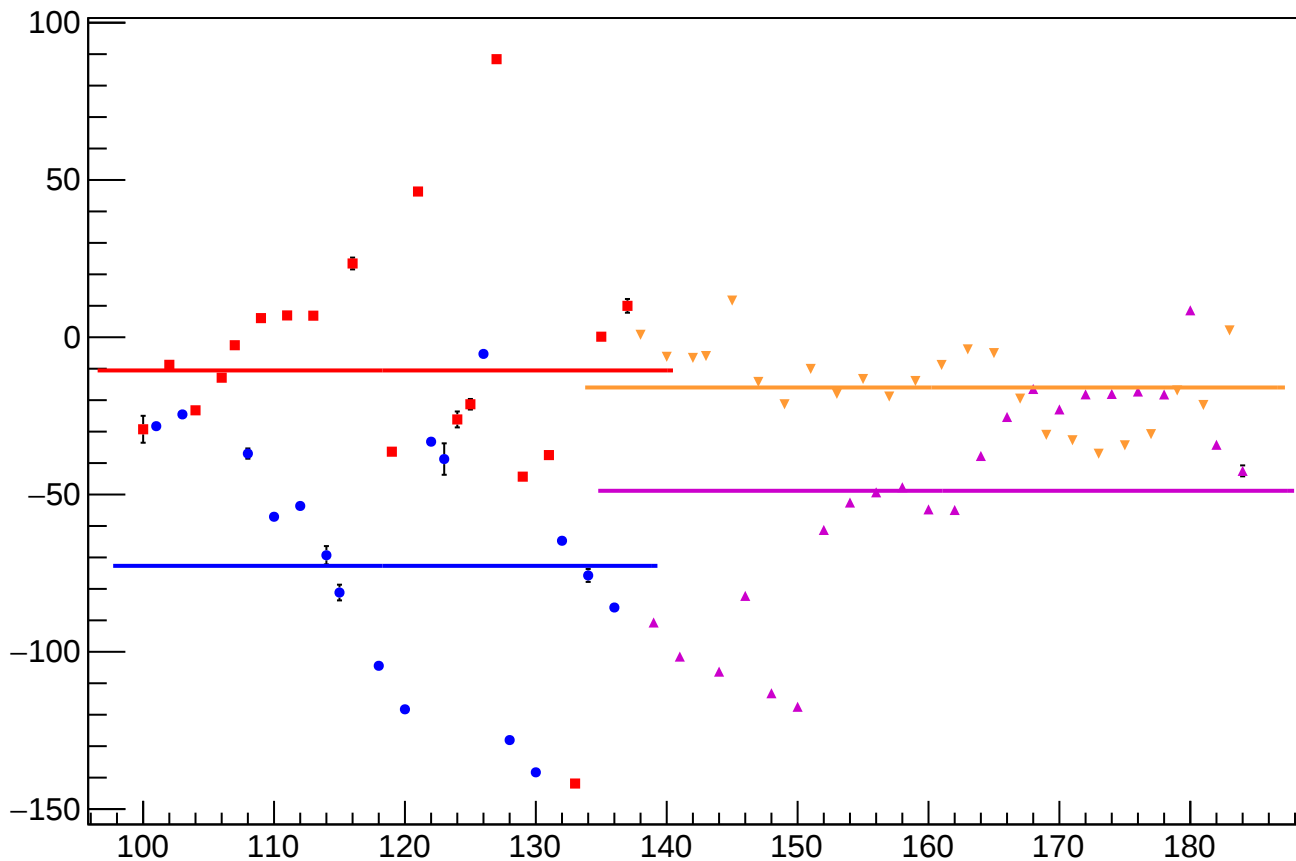
Left In: 1481.695 $\pm$ 0.253 χ^2 /NDF: 208470.6/22

+ sign 1417.162 $\pm$ 0.203 χ^2 /NDF: 467786.0/40

All: 1420.768 $\pm$ 0.144 χ^2 /NDF: 907365.6/82

- sign 1424.454 $\pm$ 0.205 χ^2 /NDF: 438940.0/41

diff_bpm1i02X_mean vs Slug



Right In: -72.674 ± 0.363 $\chi^2/\text{NDF}: 11603.9/16$

Left Out: -15.969 ± 0.214 $\chi^2/\text{NDF}: 3408.9/23$

Right Out: -10.552 ± 0.353 $\chi^2/\text{NDF}: 18145.5/18$

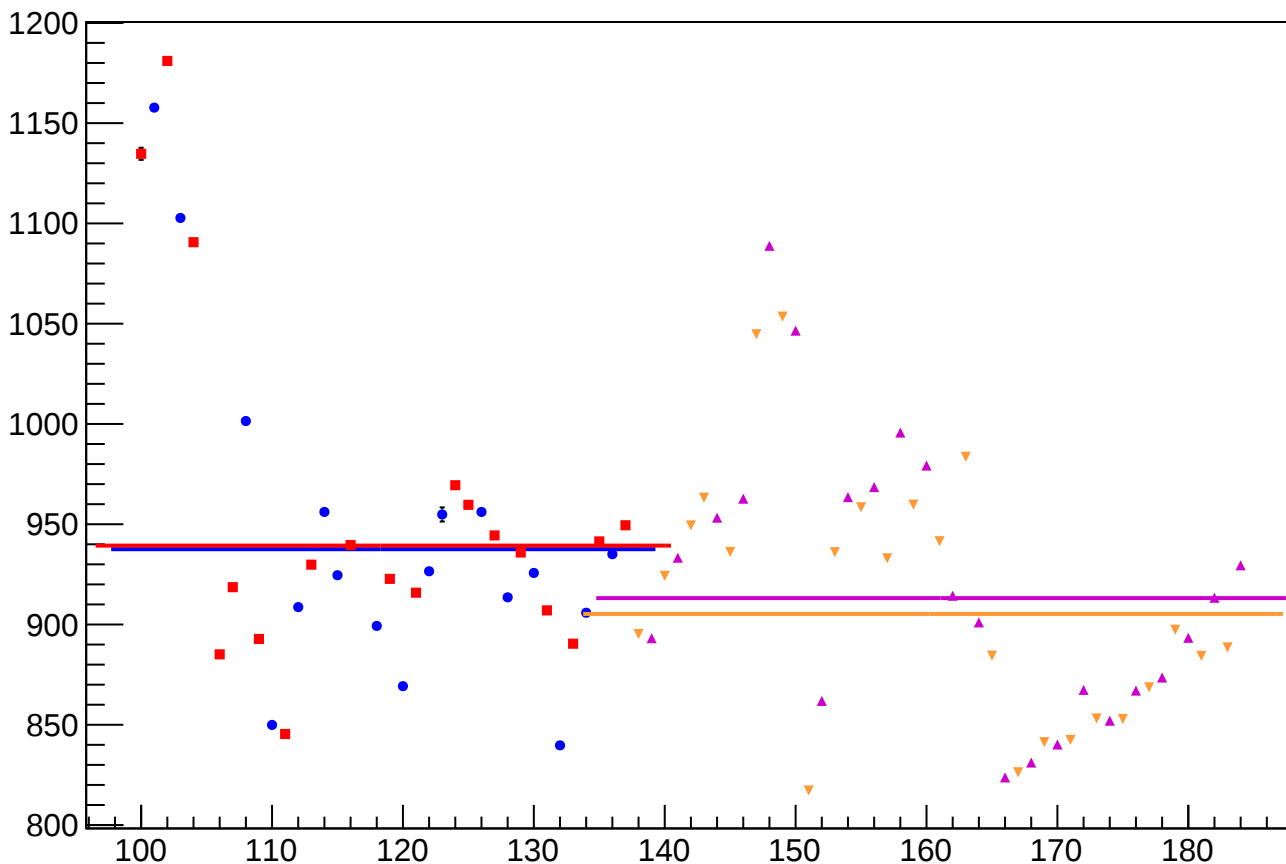
Left In: -48.812 ± 0.220 $\chi^2/\text{NDF}: 25260.8/22$

+ sign -30.546 ± 0.184 $\chi^2/\text{NDF}: 33138.6/40$

All: -34.279 ± 0.131 $\chi^2/\text{NDF}: 85843.6/82$

- sign -38.117 ± 0.187 $\chi^2/\text{NDF}: 51870.9/41$

diff_bpm1i02X_rms vs Slug



Right In: 937.550 $\pm$ 0.257 χ^2 /NDF: 98231.3/16

Left Out: 905.264 $\pm$ 0.151 χ^2 /NDF:161397.4/23

Right Out: 939.341 $\pm$ 0.250 χ^2 /NDF: 90084.9/18

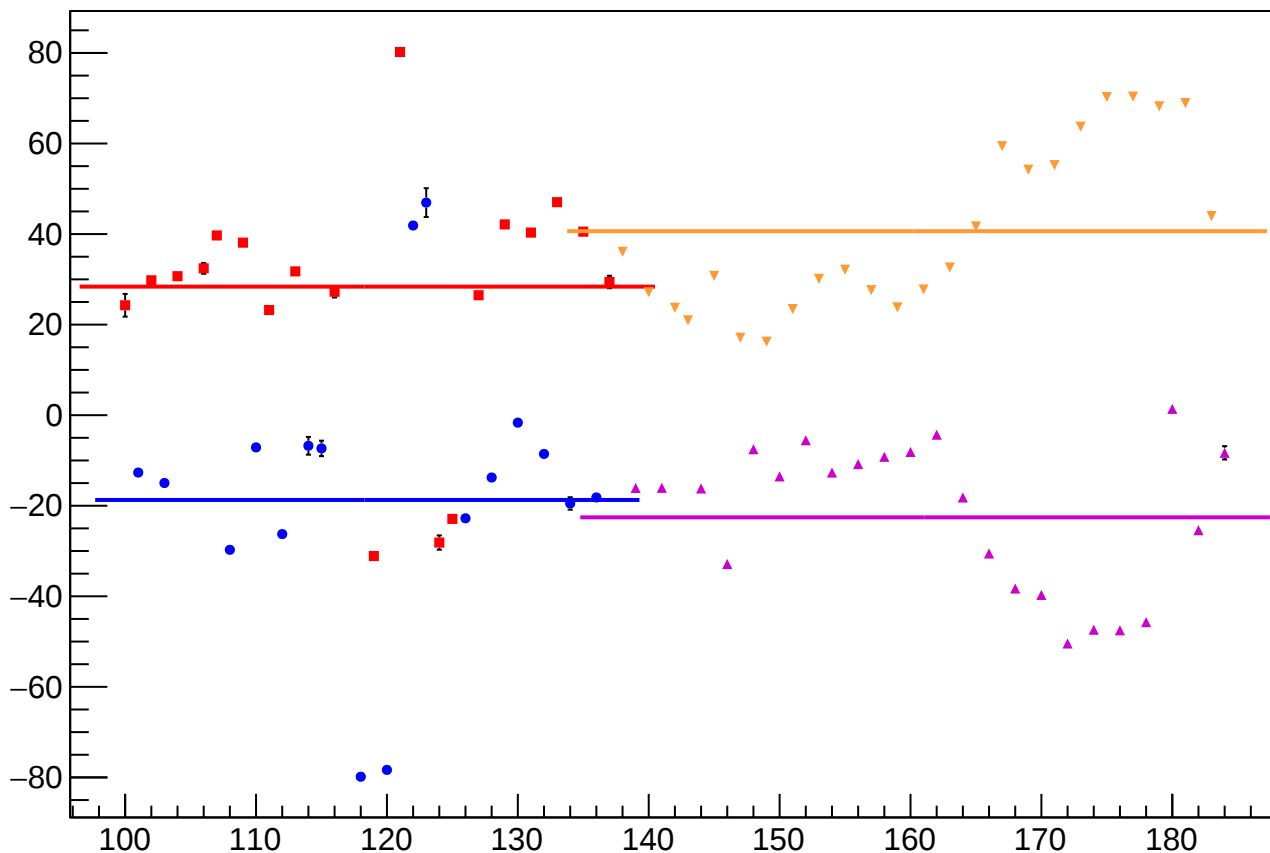
Left In: 913.165 $\pm$ 0.155 χ^2 /NDF:174438.8/22

+ sign 913.564 $\pm$ 0.130 χ^2 /NDF: 271380.5/40

All: 916.975 $\pm$ 0.093 χ^2 /NDF: 545221.5/82

- sign 920.482 $\pm$ 0.132 χ^2 /NDF: 272447.8/41

diff_bpm1i02Y_mean vs Slug



Right In: -18.723 ± 0.243 χ^2/NDF : 12999.6/16

Left Out: 40.640 ± 0.169 χ^2/NDF : 12004.7/23

Right Out: 28.395 ± 0.236 χ^2/NDF : 12424.6/18

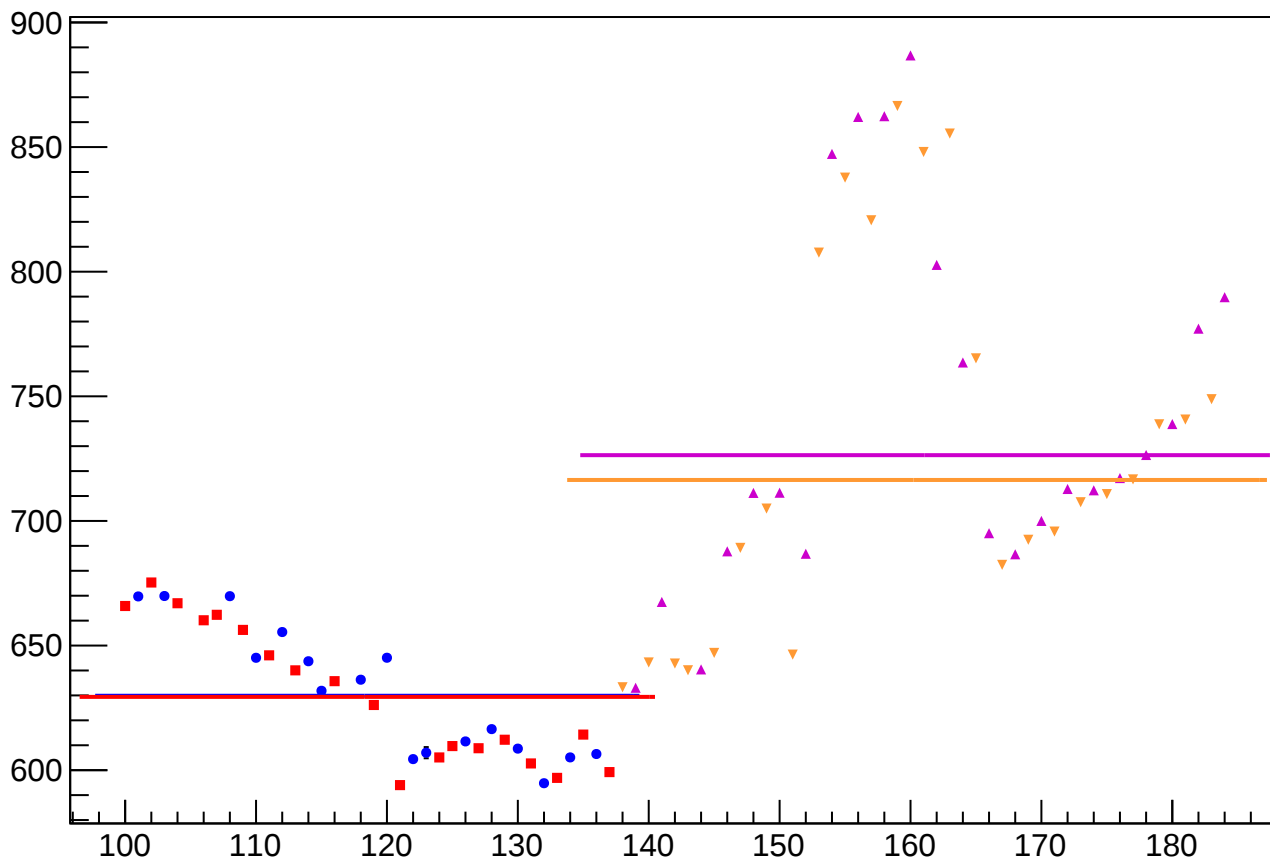
Left In: -22.565 ± 0.175 χ^2/NDF : 8167.7/22

+ sign 21.222 ± 0.139 χ^2/NDF : 65127.5/40

All: 8.545 ± 0.099 χ^2/NDF : 132616.7/82

- sign -4.436 ± 0.141 χ^2/NDF : 50663.2/41

diff_bpm1i02Y_rms vs Slug



Right In: 629.857 $\pm$ 0.172 χ^2 /NDF: 23252.7/16

Left Out: 716.439 $\pm$ 0.120 χ^2 /NDF: 338681.5/23

Right Out: 629.413 $\pm$ 0.167 χ^2 /NDF: 25484.3/18

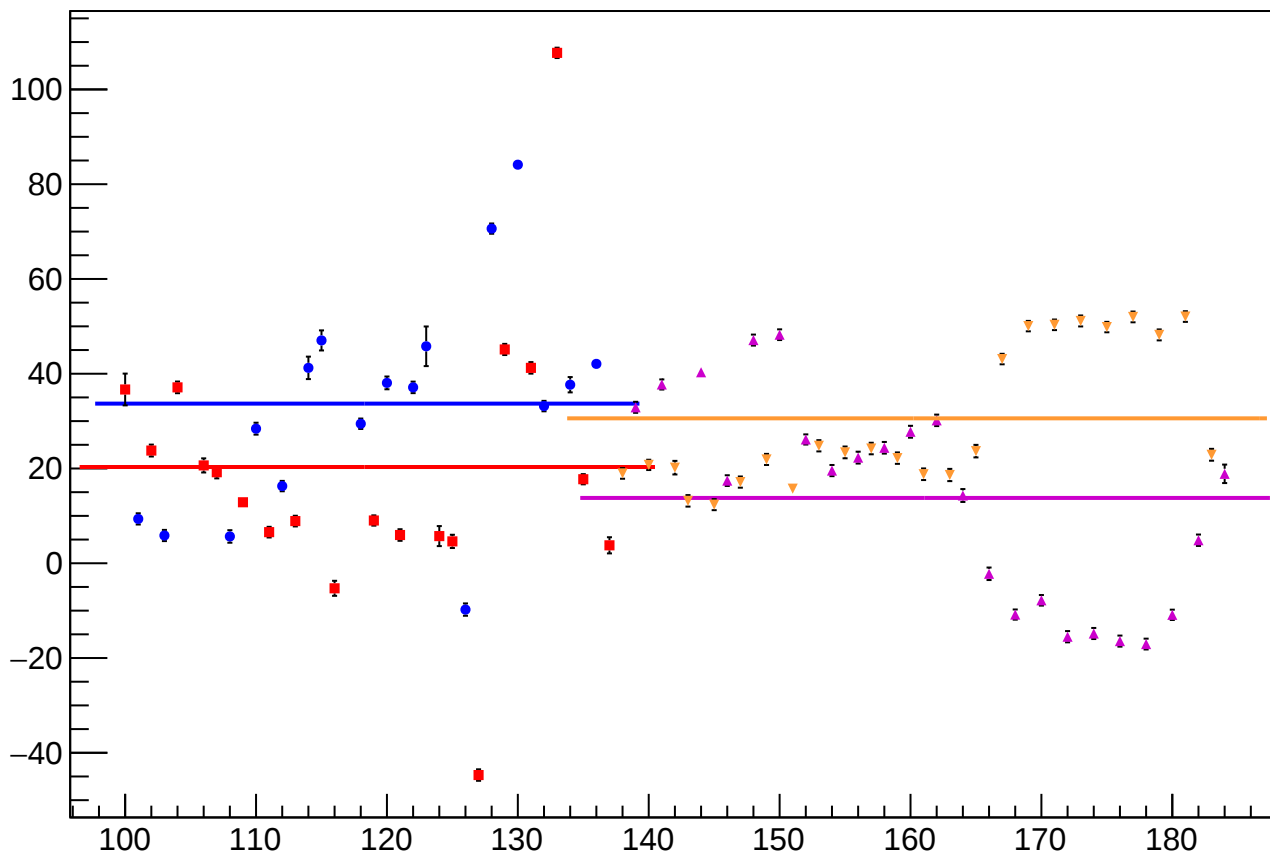
Left In: 726.390 $\pm$ 0.124 χ^2 /NDF: 289788.8/22

+ sign 688.117 $\pm$ 0.098 χ^2 /NDF: 532640.3/40

All: 689.981 $\pm$ 0.070 χ^2 /NDF: 1066439.9/82

- sign 691.889 $\pm$ 0.099 χ^2 /NDF: 533072.6/41

diff_bpm1i04X_mean vs Slug



Right In: 33.692 $\pm$ 0.300 χ^2 /NDF: 6428.2/16

Left Out: 30.584 $\pm$ 0.240 χ^2 /NDF: 3774.0/23

Right Out: 20.314 $\pm$ 0.293 χ^2 /NDF: 11278.0/18

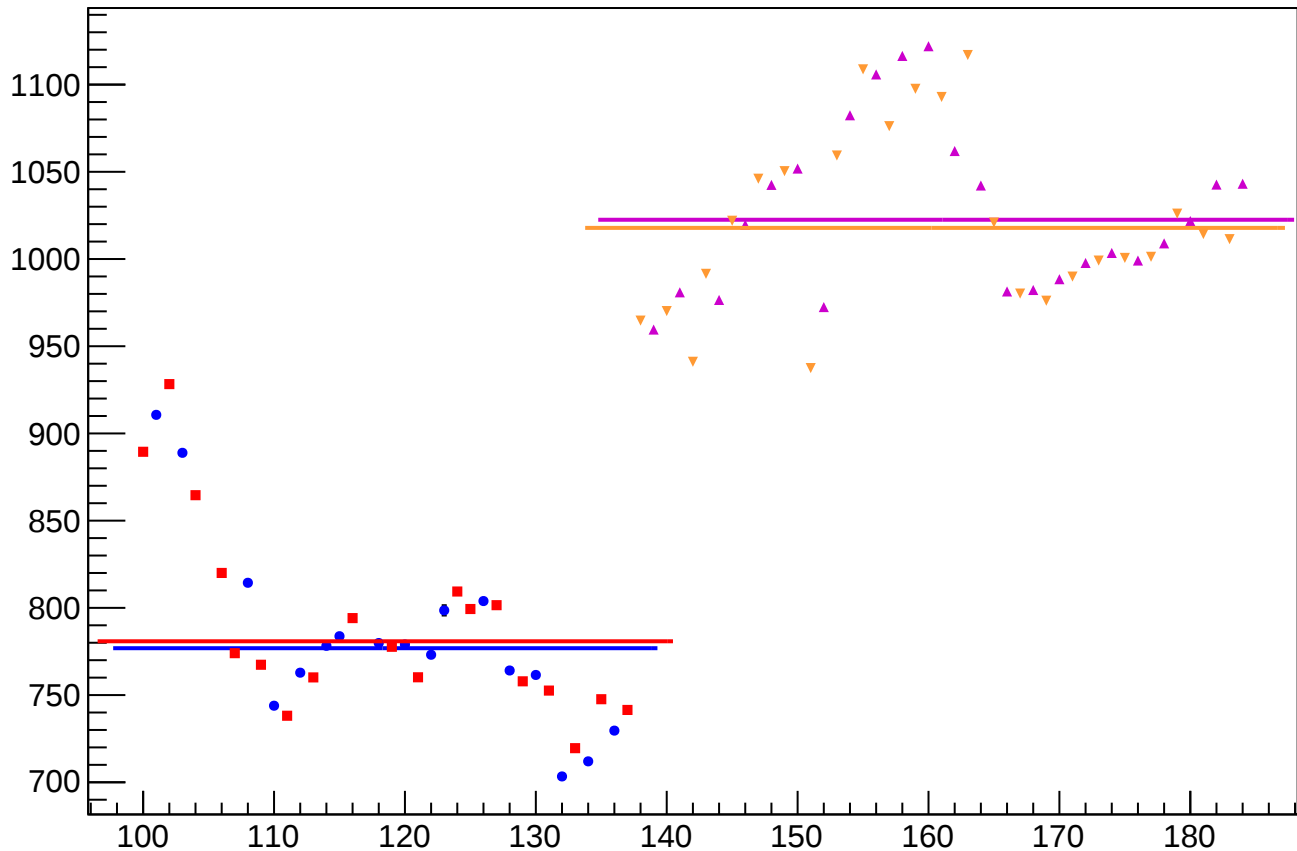
Left In: 13.787 $\pm$ 0.246 χ^2 /NDF: 7979.7/22

+ sign 31.793 $\pm$ 0.187 χ^2 /NDF: 10267.6/40

All: 24.175 $\pm$ 0.133 χ^2 /NDF: 33137.1/82

- sign 16.483 $\pm$ 0.188 χ^2 /NDF: 19548.9/41

diff_bpm1i04X_rms vs Slug



Right In: 776.869 $\pm$ 0.212 χ^2 /NDF: 67447.3/16

Left Out: 1017.849 $\pm$ 0.170 χ^2 /NDF: 83195.2/23

Right Out: 780.840 $\pm$ 0.207 χ^2 /NDF: 57297.9/18

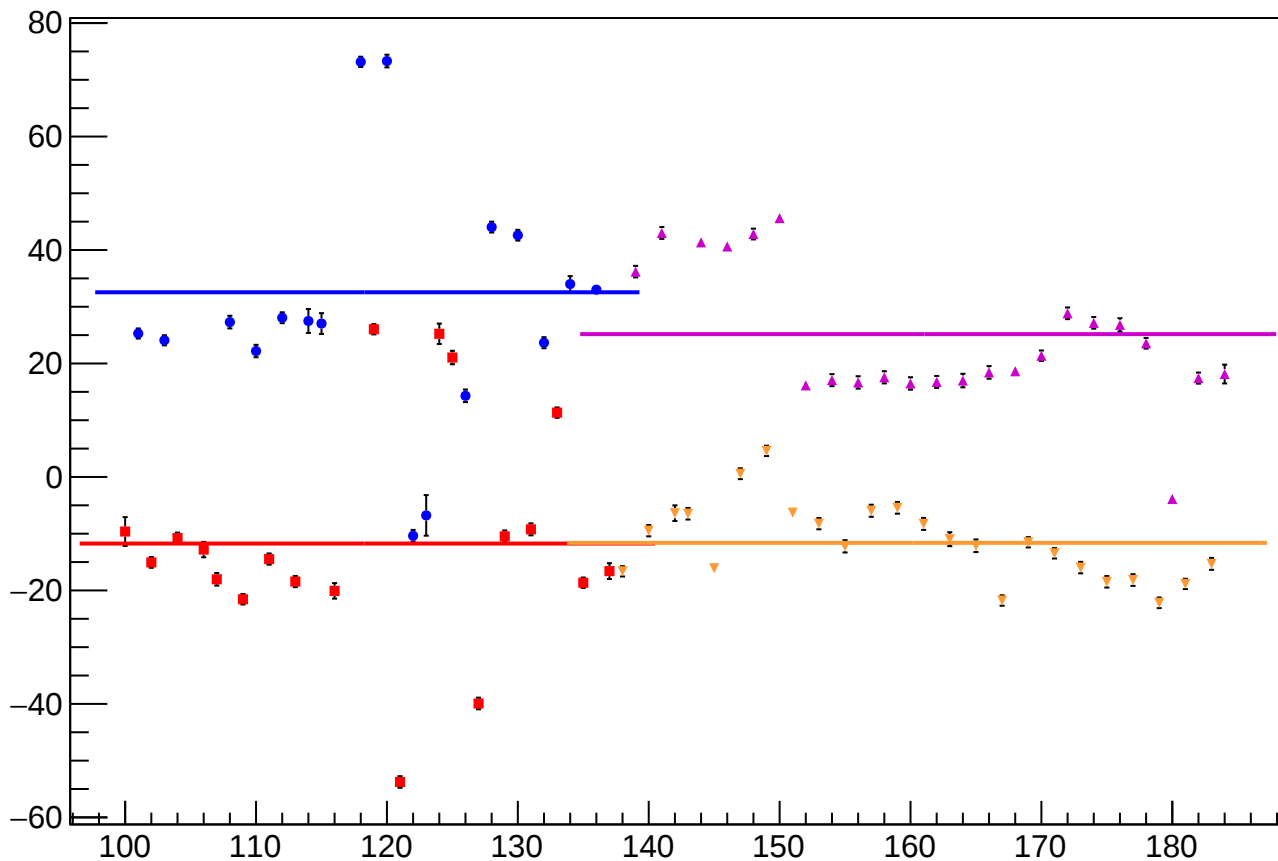
Left In: 1022.511 $\pm$ 0.174 χ^2 /NDF: 69635.5/22

+ sign 924.066 $\pm$ 0.133 χ^2 /NDF: 936625.2/40

All: 923.380 $\pm$ 0.094 χ^2 /NDF: 1862029.5/82

- sign 922.687 $\pm$ 0.133 χ^2 /NDF: 925350.4/41

diff_bpm1i04Y_mean vs Slug



Right In: 32.550 ± 0.253 χ^2/NDF : 6077.4/16

Left Out: -11.613 ± 0.202 χ^2/NDF : 1141.8/23

Right Out: -11.737 ± 0.247 χ^2/NDF : 6313.2/18

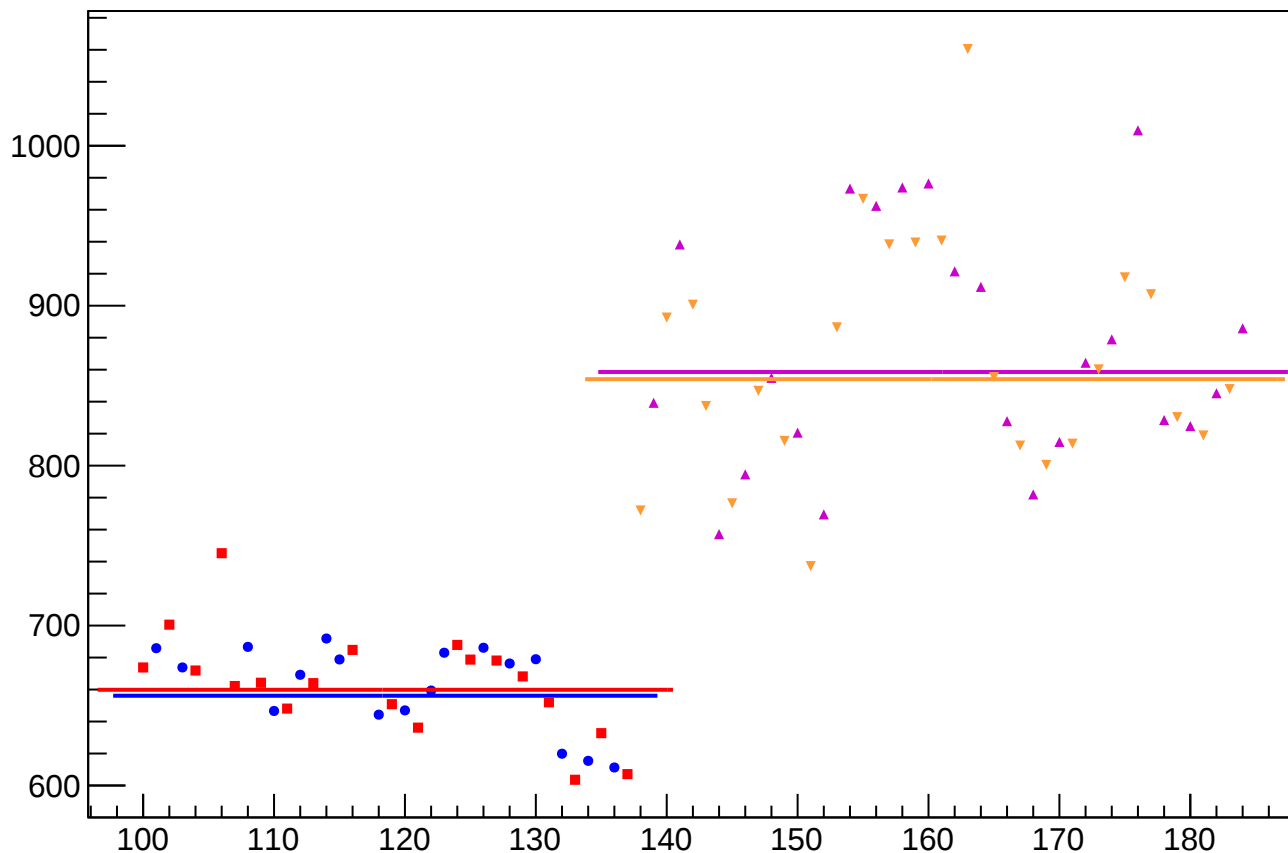
Left In: 25.174 ± 0.207 χ^2/NDF : 3747.1/22

+ sign 5.555 ± 0.158 χ^2/NDF : 25802.0/40

All: 7.735 ± 0.112 χ^2/NDF : 49318.3/82

- sign 9.943 ± 0.159 χ^2/NDF : 23132.8/41

diff_bpm1i04Y_rms vs Slug



Right In: 656.132 $\pm$ 0.179 χ^2 /NDF: 23518.0/16

Left Out: 854.056 $\pm$ 0.143 χ^2 /NDF: 233929.7/23

Right Out: 659.855 $\pm$ 0.175 χ^2 /NDF: 28270.5/18

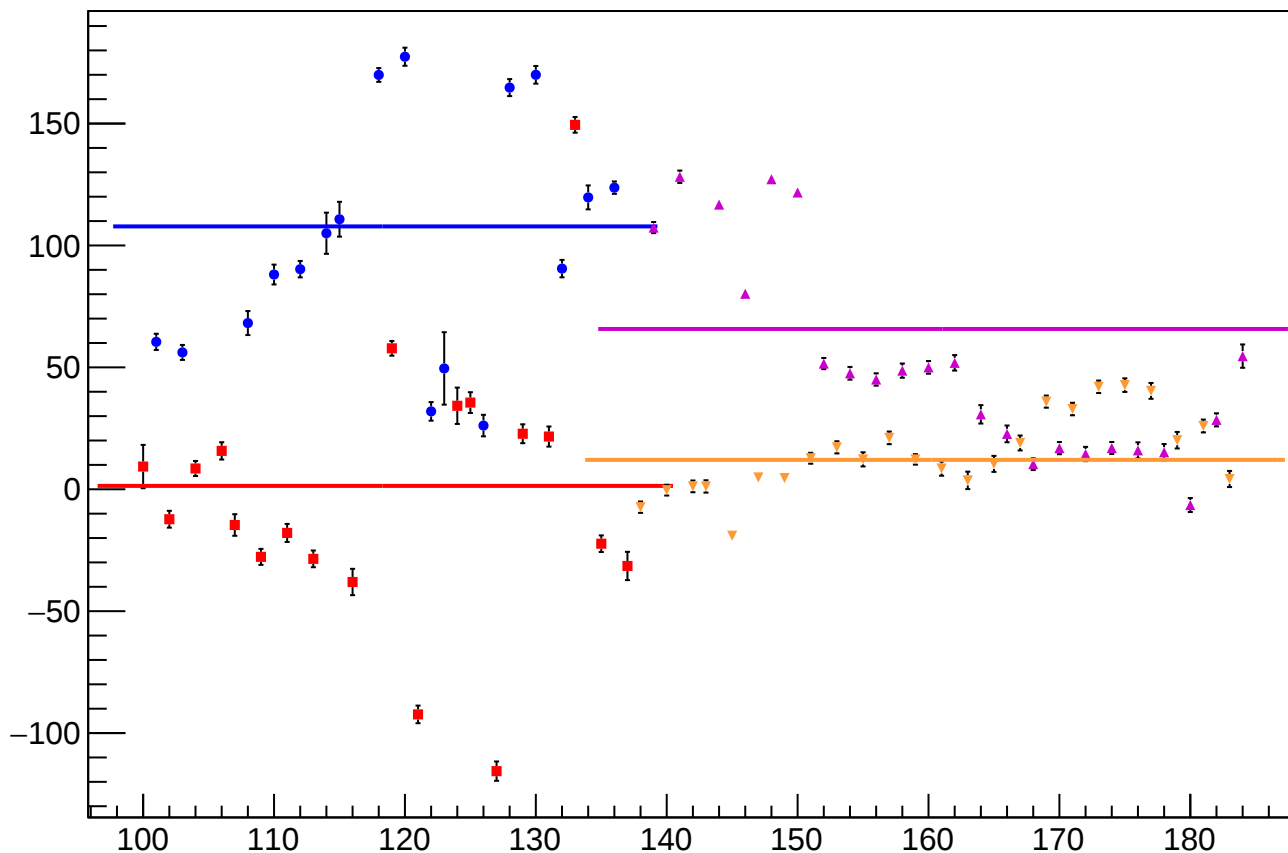
Left In: 858.563 $\pm$ 0.147 χ^2 /NDF: 239019.8/22

+ sign 777.113 $\pm$ 0.112 χ^2 /NDF: 1003936.8/40

All: 776.843 $\pm$ 0.079 χ^2 /NDF: 2028980.0/82

- sign 776.569 $\pm$ 0.112 χ^2 /NDF: 1025031.4/41

diff_bpm1i06X_mean vs Slug



Right In: 107.816 $\pm$ 0.923 χ^2 /NDF: 2815.8/16

Left Out: 12.064 $\pm$ 0.509 χ^2 /NDF: 969.9/23

Right Out: 1.388 $\pm$ 0.885 χ^2 /NDF: 4515.0/18

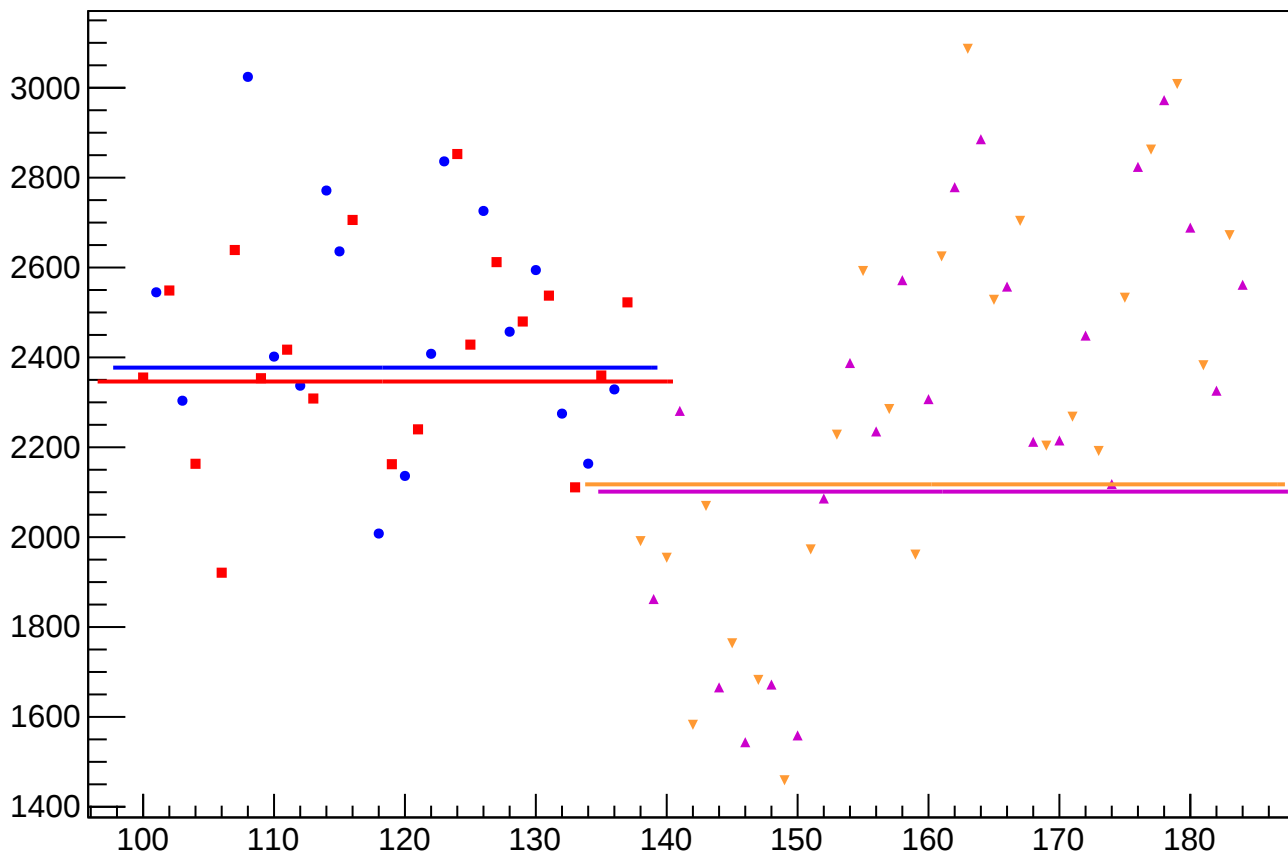
Left In: 65.752 $\pm$ 0.518 χ^2 /NDF: 7335.8/22

+ sign 34.423 $\pm$ 0.446 χ^2 /NDF: 12033.1/40

All: 41.868 $\pm$ 0.316 χ^2 /NDF: 28383.8/82

- sign 49.340 $\pm$ 0.447 χ^2 /NDF: 15792.6/41

diff_bpm1i06X_rms vs Slug



Right In: 2377.271+/-0.653 χ^2/NDF : 119441.2/16

Left Out: 2117.518+/-0.360 χ^2/NDF : 1374801.3/23

Right Out: 2346.354+/-0.626 χ^2/NDF : 108612.6/18

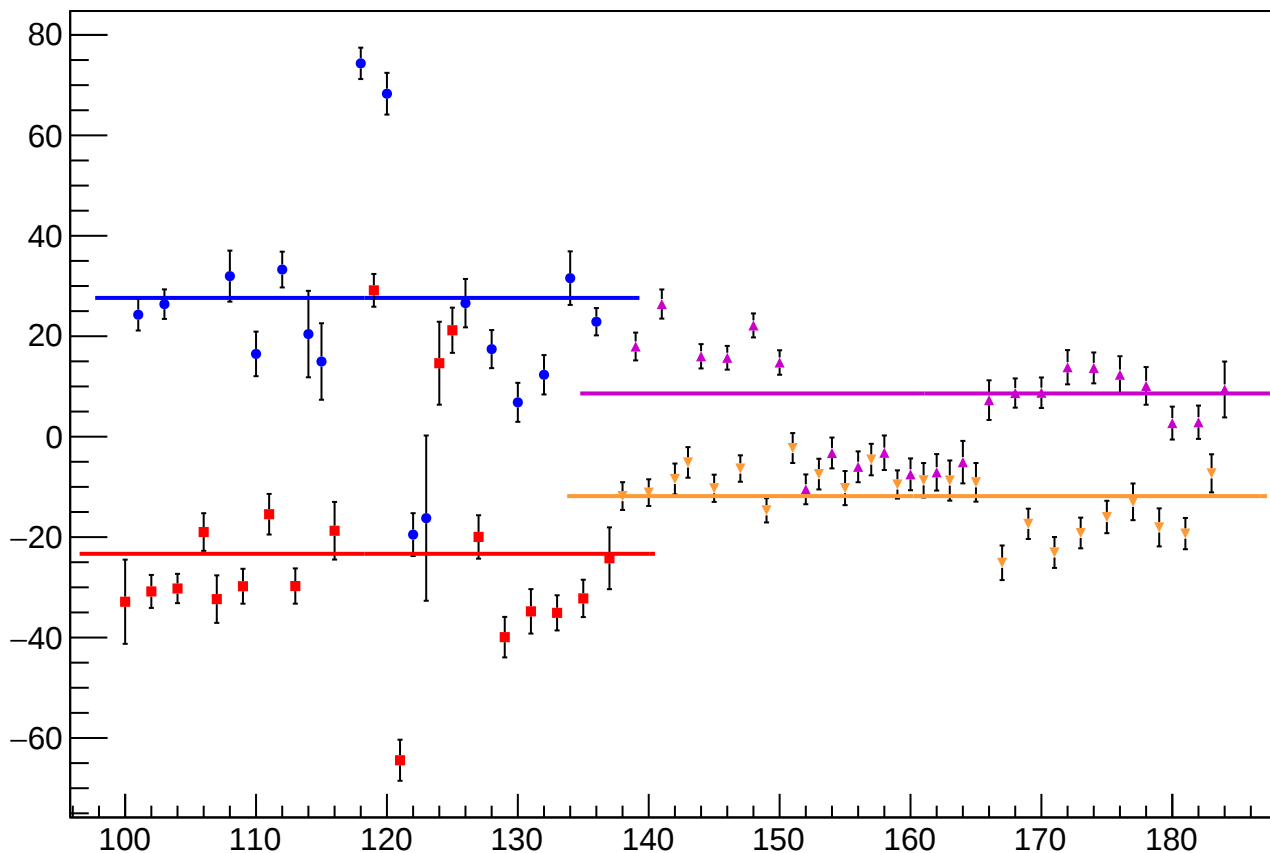
Left In: 2101.325+/-0.366 χ^2/NDF : 1360518.3/22

+ sign 2178.173+/-0.315 χ^2/NDF : 1615631.7/40

All: 2171.001+/-0.223 χ^2/NDF : 3200050.5/82

- sign 2163.805+/-0.316 χ^2/NDF : 1583383.0/41

diff_bpm1i06Y_mean vs Slug



Right In: 27.633 ± 0.976 χ^2/NDF : 517.1/16

Left Out: -11.835 ± 0.631 χ^2/NDF : 81.7/23

Right Out: -23.322 ± 0.929 χ^2/NDF : 548.2/18

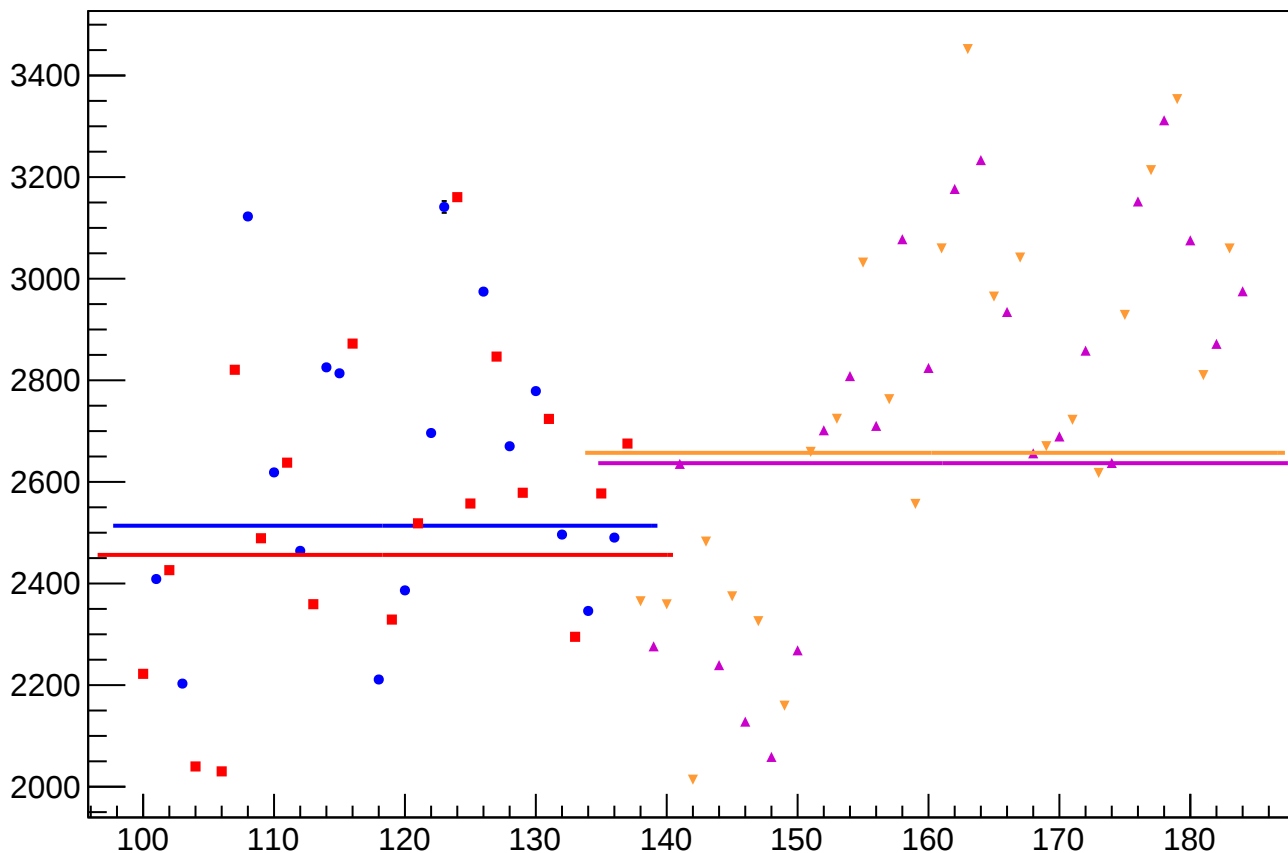
Left In: 8.606 ± 0.642 χ^2/NDF : 264.2/22

+ sign -0.195 ± 0.530 χ^2/NDF : 1751.0/40

All: -0.960 ± 0.374 χ^2/NDF : 3367.6/82

- sign -1.719 ± 0.528 χ^2/NDF : 1612.4/41

diff_bpm1i06Y_rms vs Slug



Right In: 2513.762 $\pm$ 0.690 χ^2 /NDF: 120863.4/16

Left Out: 2657.282 $\pm$ 0.446 χ^2 /NDF: 611114.4/23

Right Out: 2456.343 $\pm$ 0.657 χ^2 /NDF: 149877.3/18

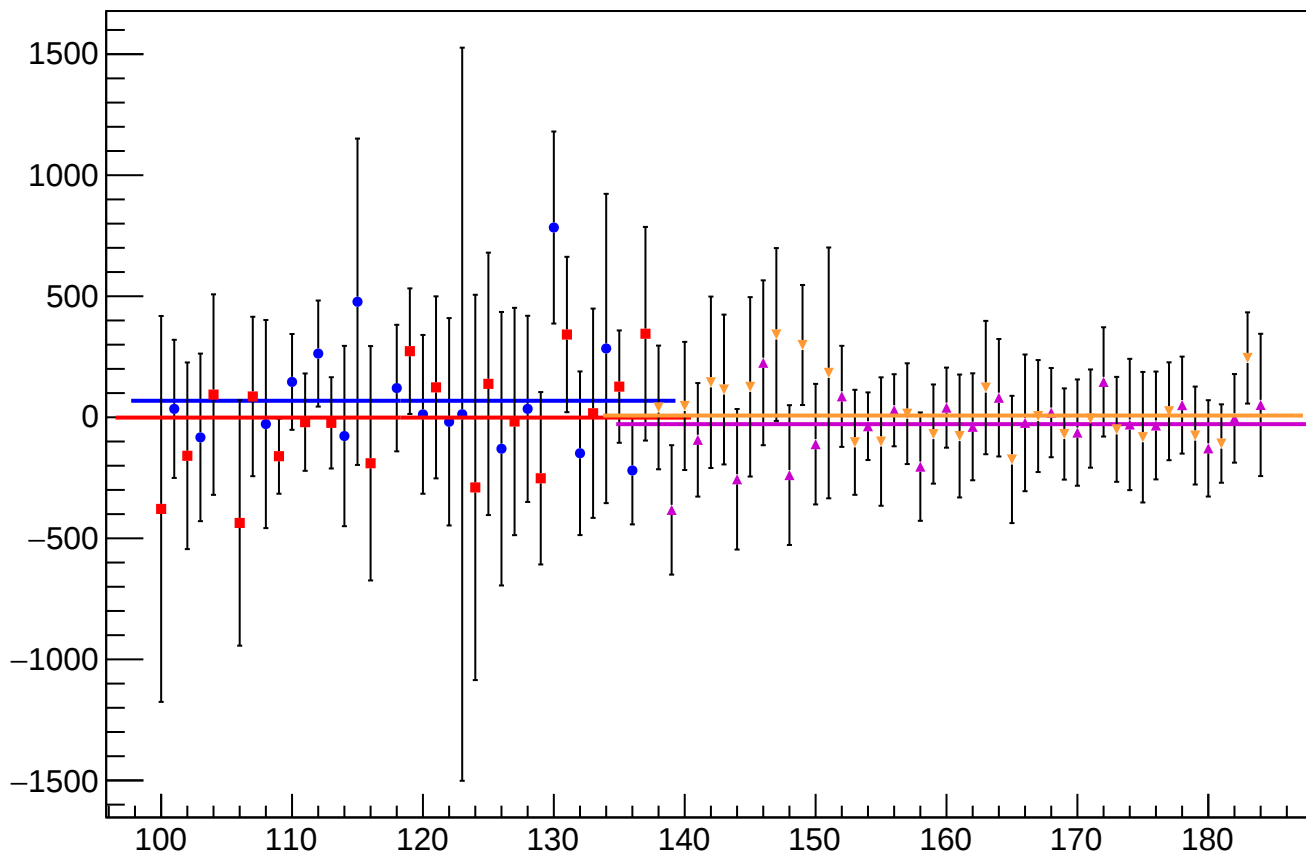
Left In: 2636.885 $\pm$ 0.454 χ^2 /NDF: 652894.5/22

+ sign 2614.957 $\pm$ 0.375 χ^2 /NDF: 762449.5/40

All: 2596.653 $\pm$ 0.265 χ^2 /NDF: 1621130.8/82

- sign 2578.499 $\pm$ 0.373 χ^2 /NDF: 853933.8/41

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 68.238 ± 79.240 $\chi^2/\text{NDF}: 7.4/16$

Left Out: 7.270 ± 48.223 $\chi^2/\text{NDF}: 6.7/23$

Right Out: -1.201 ± 69.991 $\chi^2/\text{NDF}: 6.5/18$

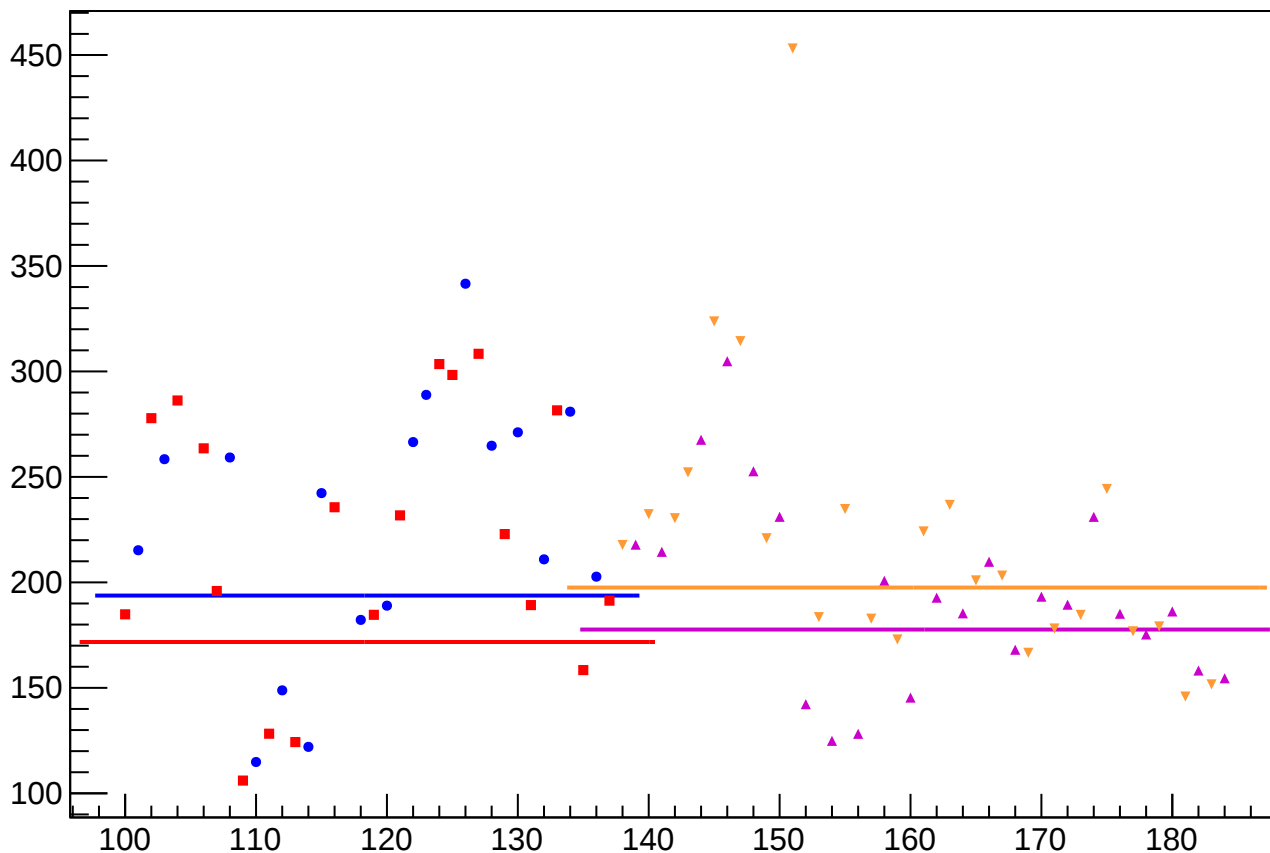
Left In: -28.310 ± 44.638 $\chi^2/\text{NDF}: 6.3/22$

+ sign 23.747 ± 41.194 $\chi^2/\text{NDF}: 14.6/40$

All: -0.354 ± 27.785 $\chi^2/\text{NDF}: 28.1/82$

- sign -20.471 ± 37.636 $\chi^2/\text{NDF}: 12.9/41$

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: 197.550 $\pm$ 0.034 χ^2 /NDF: 1726718.3/23

Right Out: 171.741 $\pm$ 0.049 χ^2 /NDF: 1571422.7/18

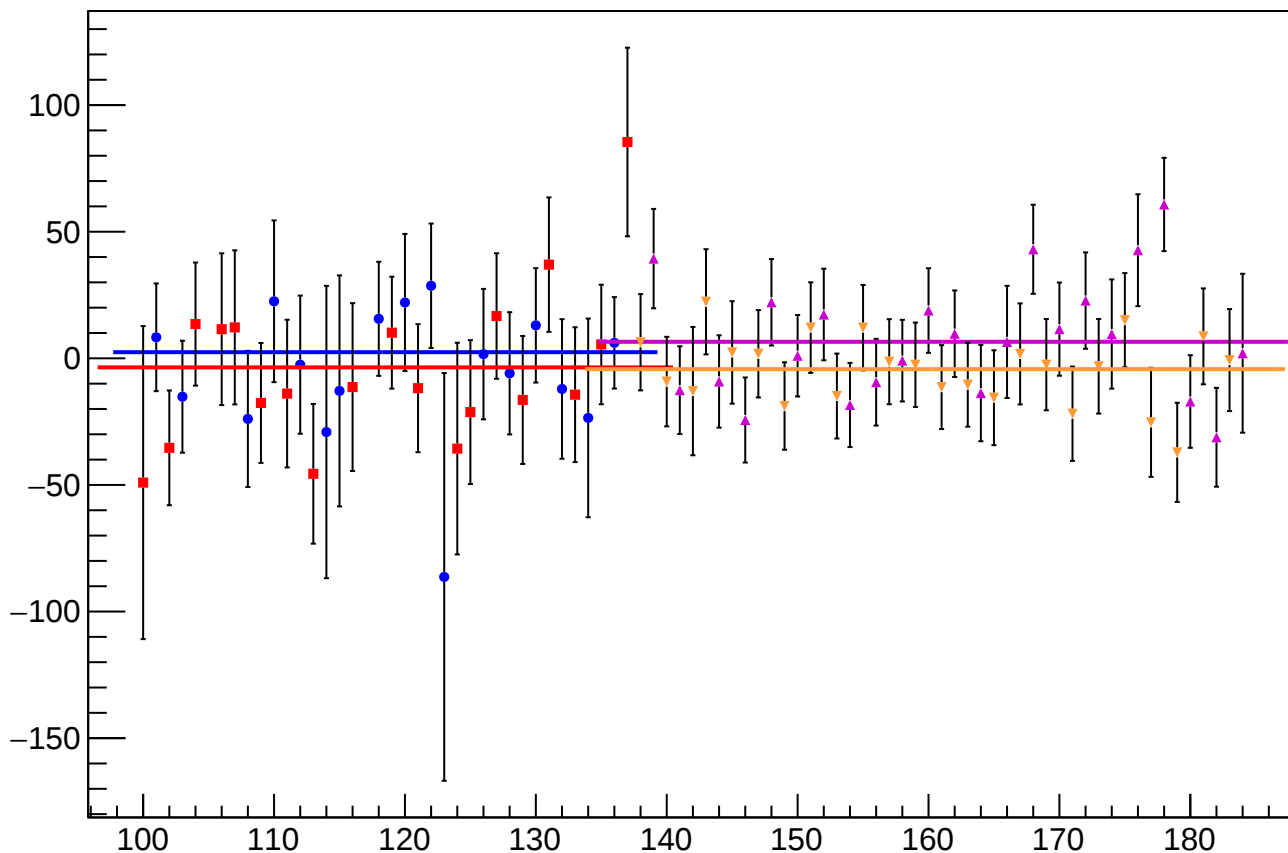
Left In: 177.643 $\pm$ 0.032 χ^2 /NDF: 1630664.5/22

+ sign 196.522 $\pm$ 0.029 χ^2 /NDF: 2741191.2/40

All: 185.302 $\pm$ 0.020 χ^2 /NDF: 6225615.6/82

- sign 175.937 $\pm$ 0.027 χ^2 /NDF: 3212197.1/41

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: -4.278+/-3.760 χ^2/NDF : 12.3/23

Right Out: -3.569+/-6.294 χ^2/NDF : 17.1/18

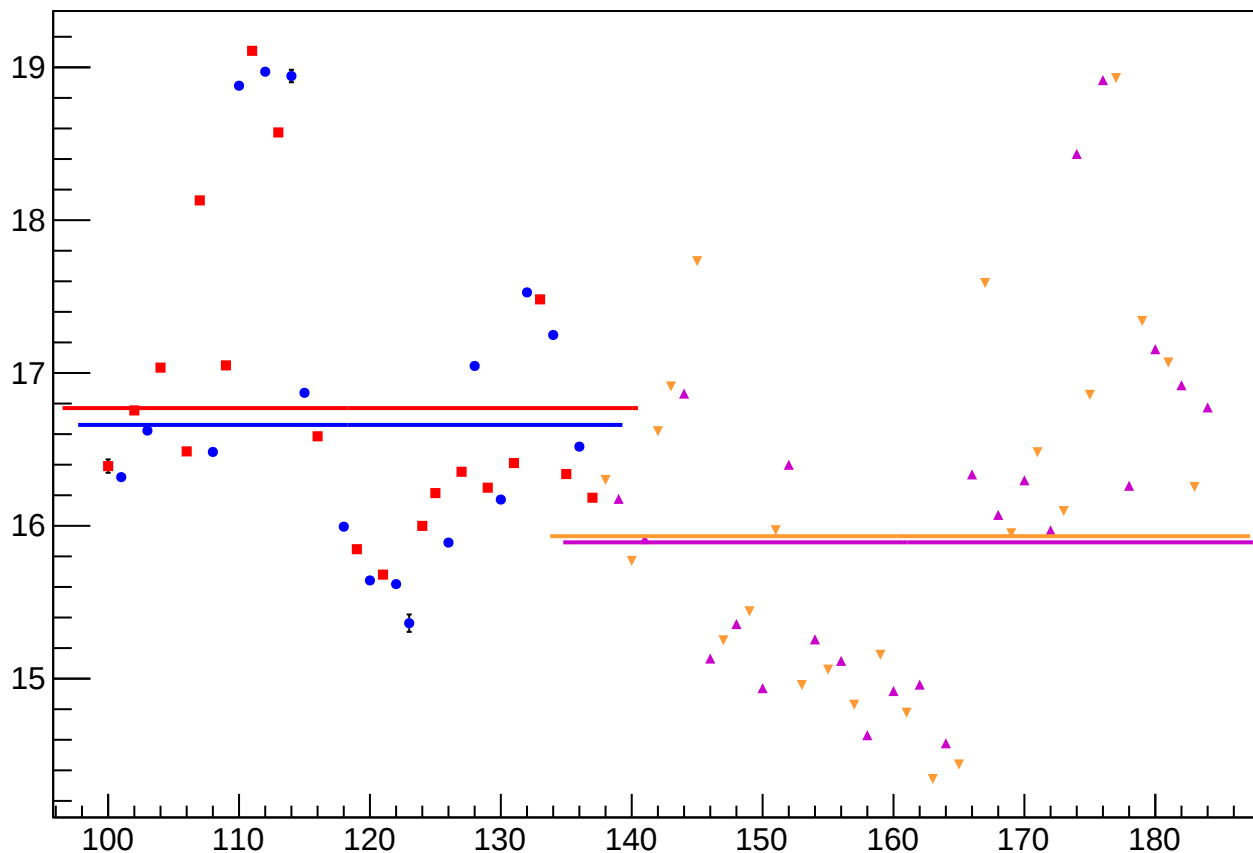
Left In: 6.526+/-3.828 χ^2/NDF : 36.4/22

+ sign -2.574+/-3.247 χ^2/NDF : 20.0/40

All: 0.591+/-2.304 χ^2/NDF : 77.3/82

- sign 3.801+/-3.270 χ^2/NDF : 55.4/41

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.660 $\pm$ 0.005 χ^2 /NDF: 42269.4/16

Left Out: 15.932 $\pm$ 0.003 χ^2 /NDF: 170659.3/23

Right Out: 16.770 $\pm$ 0.004 χ^2 /NDF: 39259.2/18

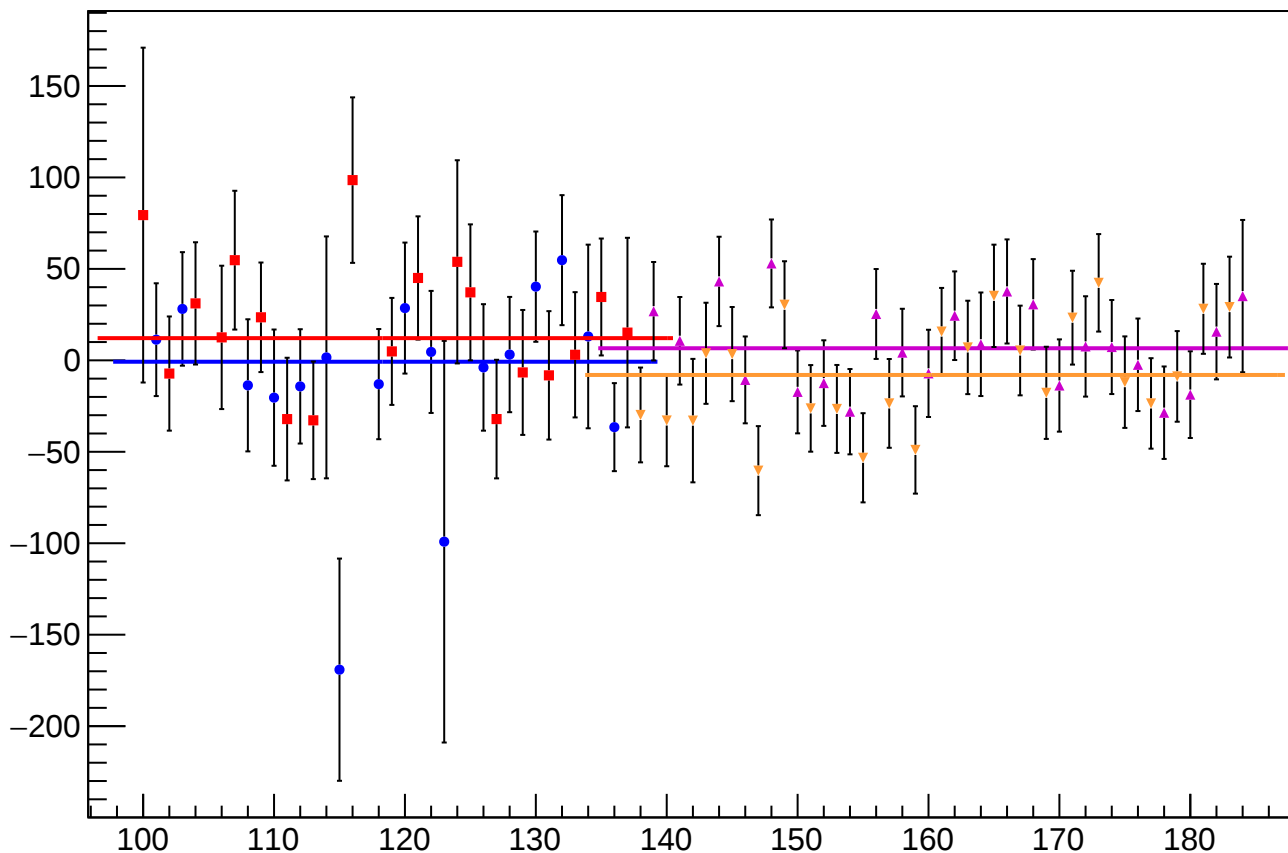
Left In: 15.892 $\pm$ 0.003 χ^2 /NDF: 147093.3/22

+ sign 16.117 $\pm$ 0.002 χ^2 /NDF: 231992.3/40

All: 16.123 $\pm$ 0.002 χ^2 /NDF: 446800.8/82

- sign 16.129 $\pm$ 0.002 χ^2 /NDF: 214795.5/41

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: -7.994 ± 5.168 χ^2/NDF : 31.5/23

Right Out: 12.135 ± 8.228 χ^2/NDF : 15.1/18

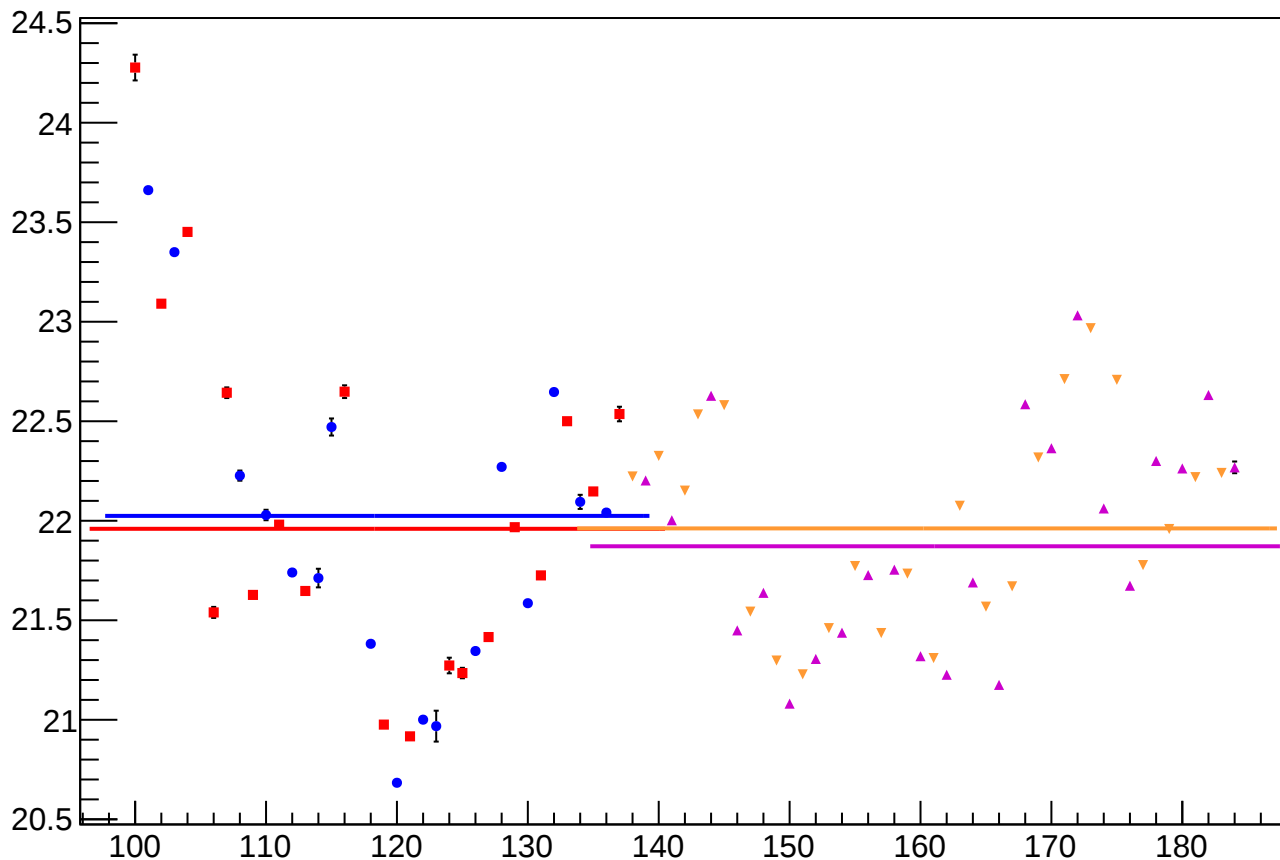
Left In: 6.611 ± 5.251 χ^2/NDF : 19.1/22

+ sign -6.044 ± 4.417 χ^2/NDF : 49.6/40

All: 1.066 ± 3.127 χ^2/NDF : 89.3/82

- sign 8.210 ± 4.427 χ^2/NDF : 34.6/41

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: 21.962 $\pm$ 0.004 χ^2 /NDF:18364.0/23

Right Out: 21.960 $\pm$ 0.006 χ^2 /NDF: 16383.4/18

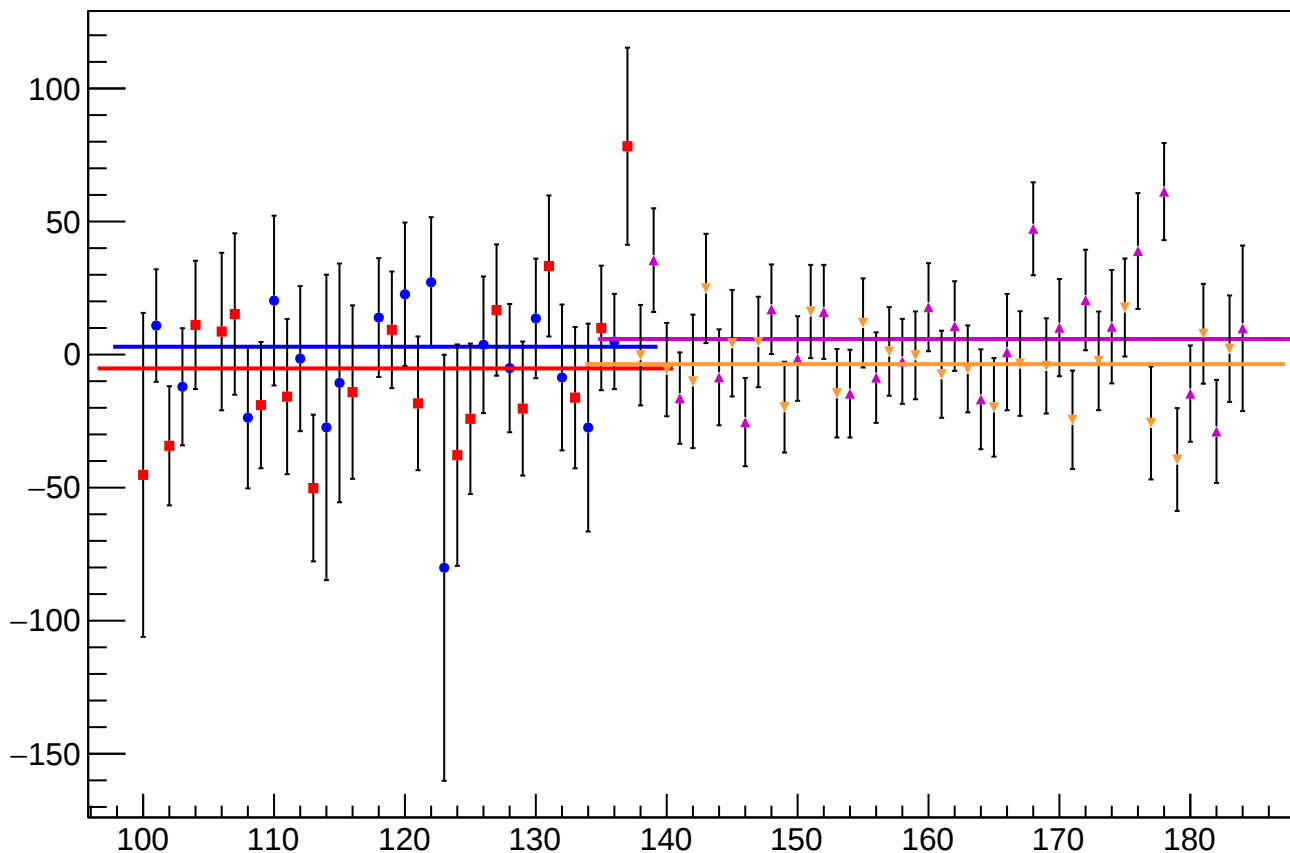
Left In: 21.872 $\pm$ 0.004 χ^2 /NDF:20524.9/22

+ sign 21.979 $\pm$ 0.003 χ^2 /NDF: 35825.0/40

All: 21.938 $\pm$ 0.002 χ^2 /NDF: 73233.4/82

- sign 21.897 $\pm$ 0.003 χ^2 /NDF: 37070.2/41

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: -3.595 $\pm$ 3.720 χ^2 /NDF:14.5/23

Right Out: -5.199 $\pm$ 6.258 χ^2 /NDF: 17.2/18

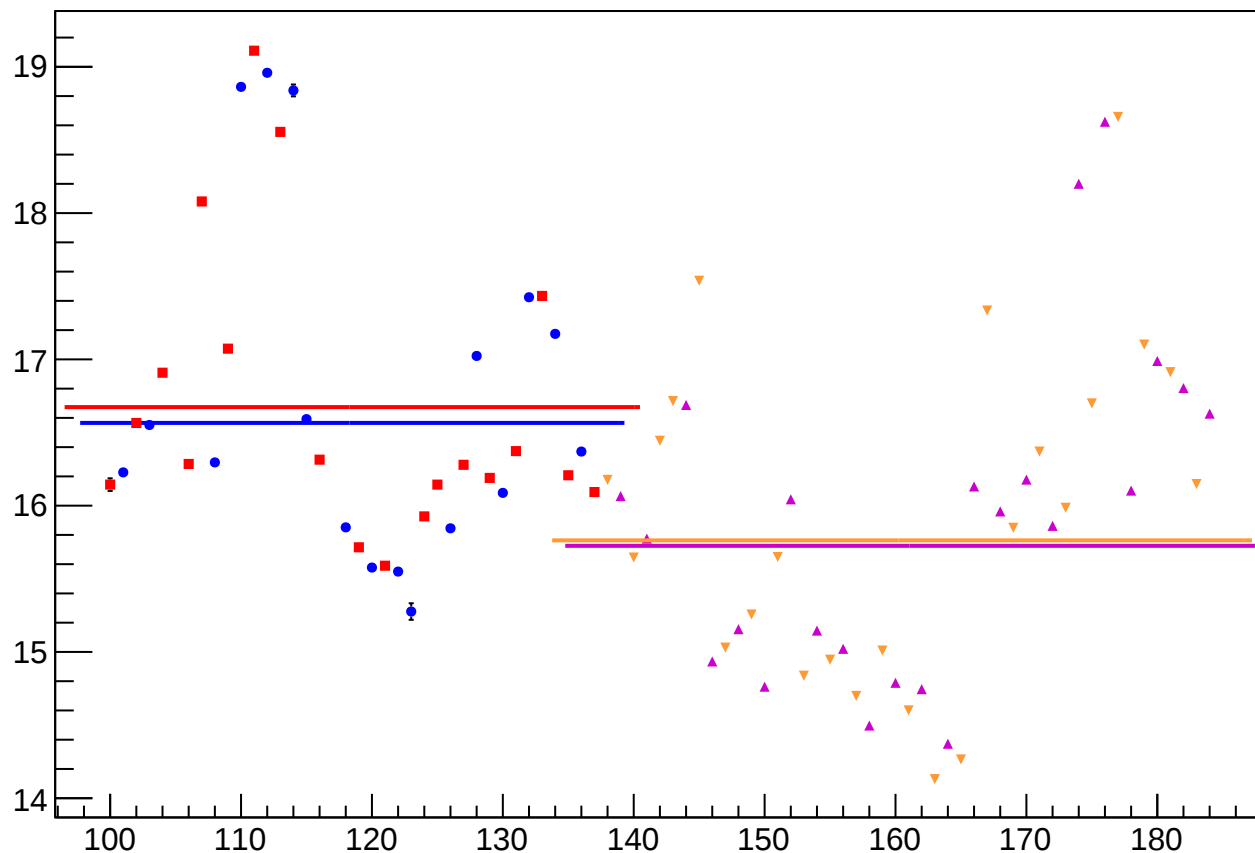
Left In: 5.861 $\pm$ 3.787 χ^2 /NDF:36.2/22

+ sign -1.944 $\pm$ 3.217 χ^2 /NDF: 21.5/40

All: 0.459 $\pm$ 2.283 χ^2 /NDF: 78.3/82

- sign 2.897 $\pm$ 3.240 χ^2 /NDF: 55.6/41

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: 15.763 $\pm$ 0.003 χ^2 /NDF: 170006.0/23

Right Out: 16.674 $\pm$ 0.004 χ^2 /NDF: 42453.5/18

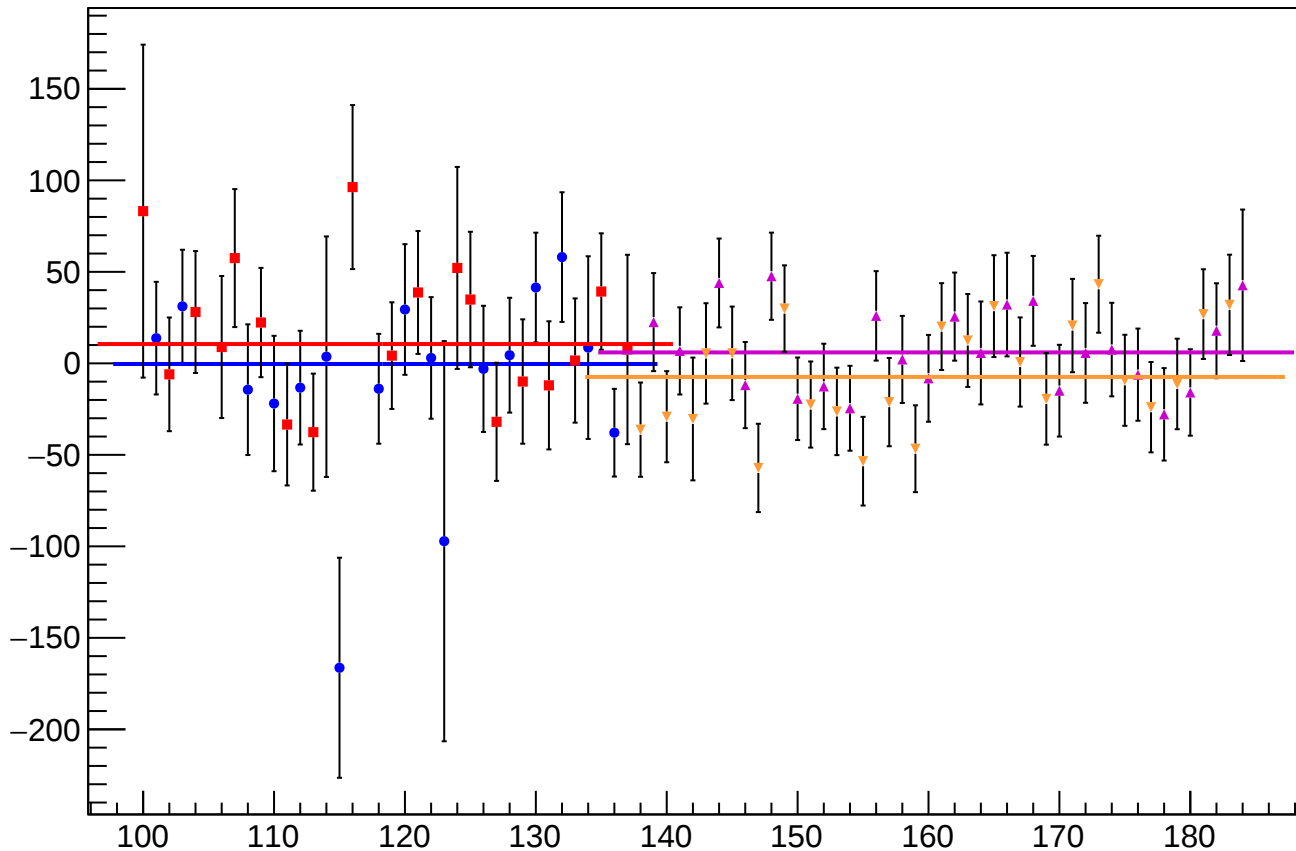
Left In: 15.725 $\pm$ 0.003 χ^2 /NDF: 145830.9/22

+ sign 15.965 $\pm$ 0.002 χ^2 /NDF: 237761.0/40

All: 15.972 $\pm$ 0.002 χ^2 /NDF: 459686.1/82

- sign 15.980 $\pm$ 0.002 χ^2 /NDF: 221905.6/41

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: -7.417 ± 5.138 χ^2/NDF : 31.0/23

Right Out: 10.548 ± 8.187 χ^2/NDF : 15.7/18

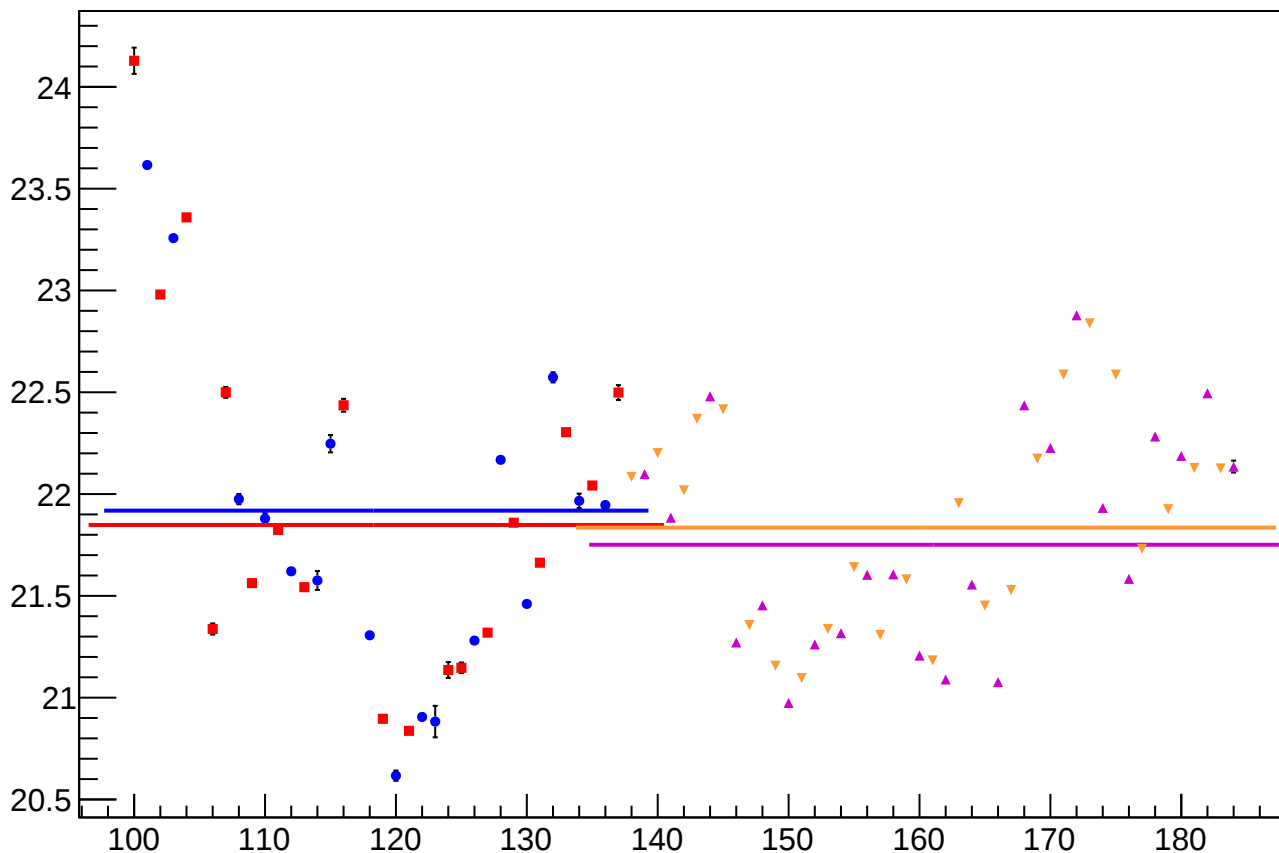
Left In: 5.978 ± 5.222 χ^2/NDF : 18.5/22

+ sign -5.516 ± 4.392 χ^2/NDF : 49.9/40

All: 0.876 ± 3.109 χ^2/NDF : 88.7/82

- sign 7.300 ± 4.403 χ^2/NDF : 34.5/41

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: 21.835+/-0.004 χ^2/NDF : 18678.4/23

Right Out: 21.848+/-0.006 χ^2/NDF : 16031.9/18

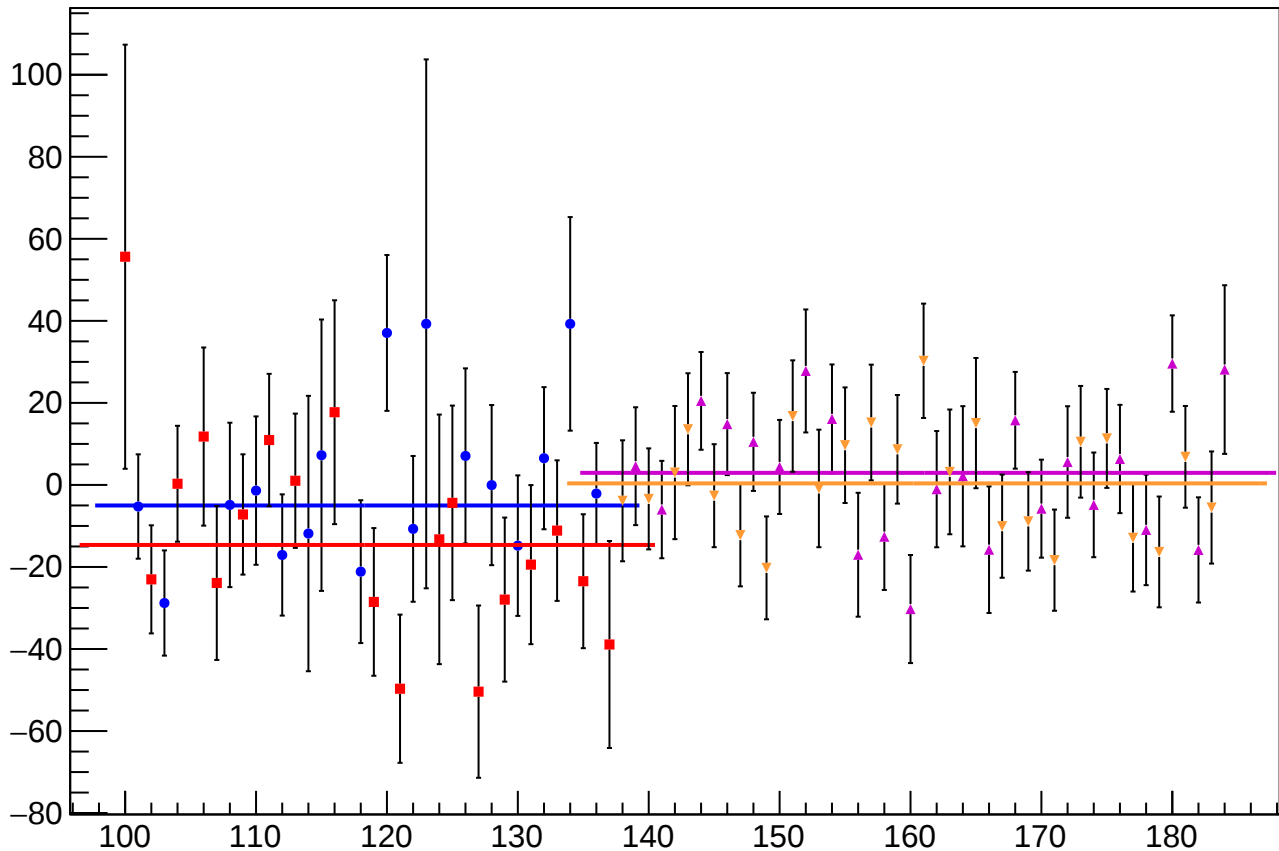
Left In: 21.751+/-0.004 χ^2/NDF : 20516.3/22

+ sign 21.858+/-0.003 χ^2/NDF : 36462.2/40

All: 21.819+/-0.002 χ^2/NDF : 73528.1/82

- sign 21.779+/-0.003 χ^2/NDF : 36747.6/41

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: 0.377 ± 2.729 χ^2/NDF : 21.8/23

Right Out: -14.630 ± 4.270 χ^2/NDF : 19.4/18

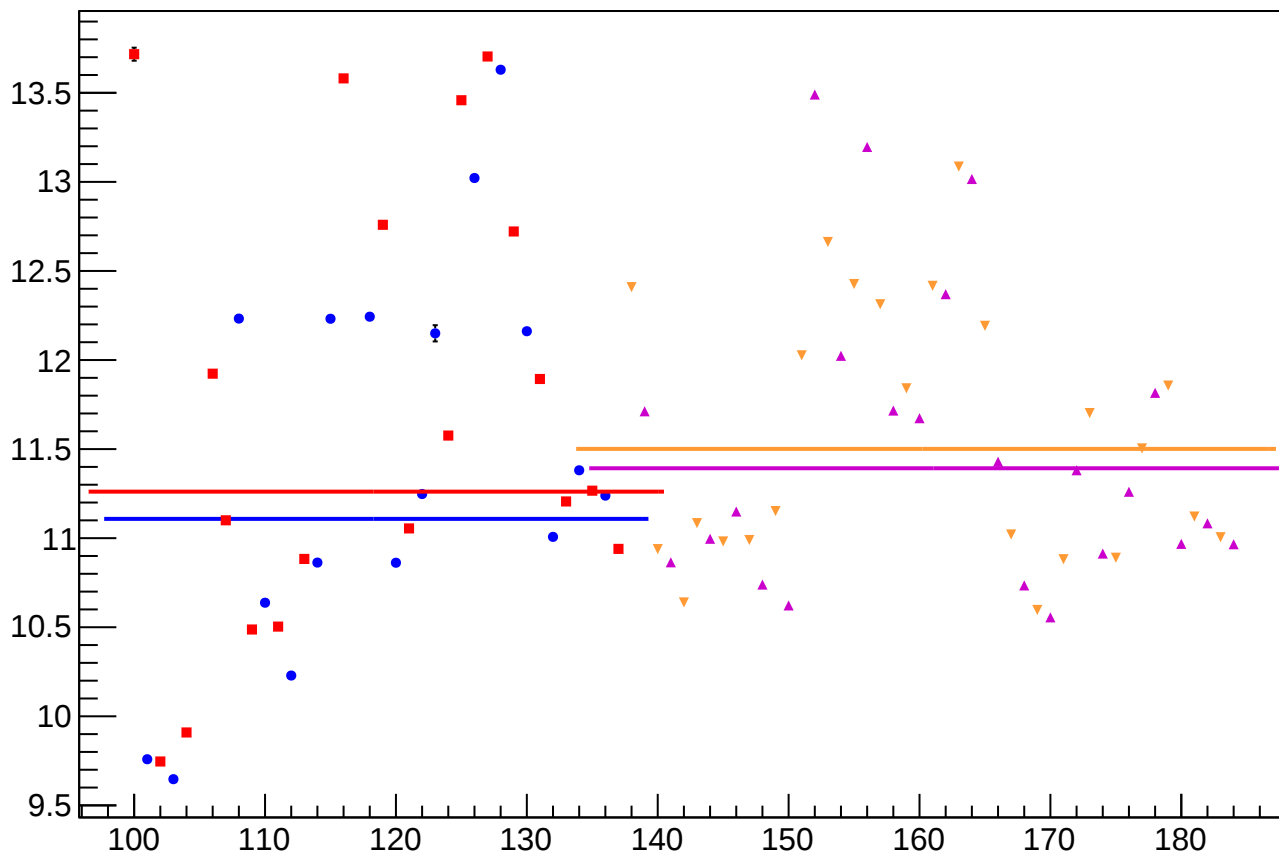
Left In: 2.944 ± 2.757 χ^2/NDF : 30.9/22

+ sign -1.153 ± 2.310 χ^2/NDF : 37.7/40

All: -1.689 ± 1.636 χ^2/NDF : 100.0/82

- sign -2.227 ± 2.317 χ^2/NDF : 62.3/41

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: 11.501 $\pm$ 0.002 χ^2 /NDF: 125198.2/23

Right Out: 11.261 $\pm$ 0.003 χ^2 /NDF: 148448.6/18

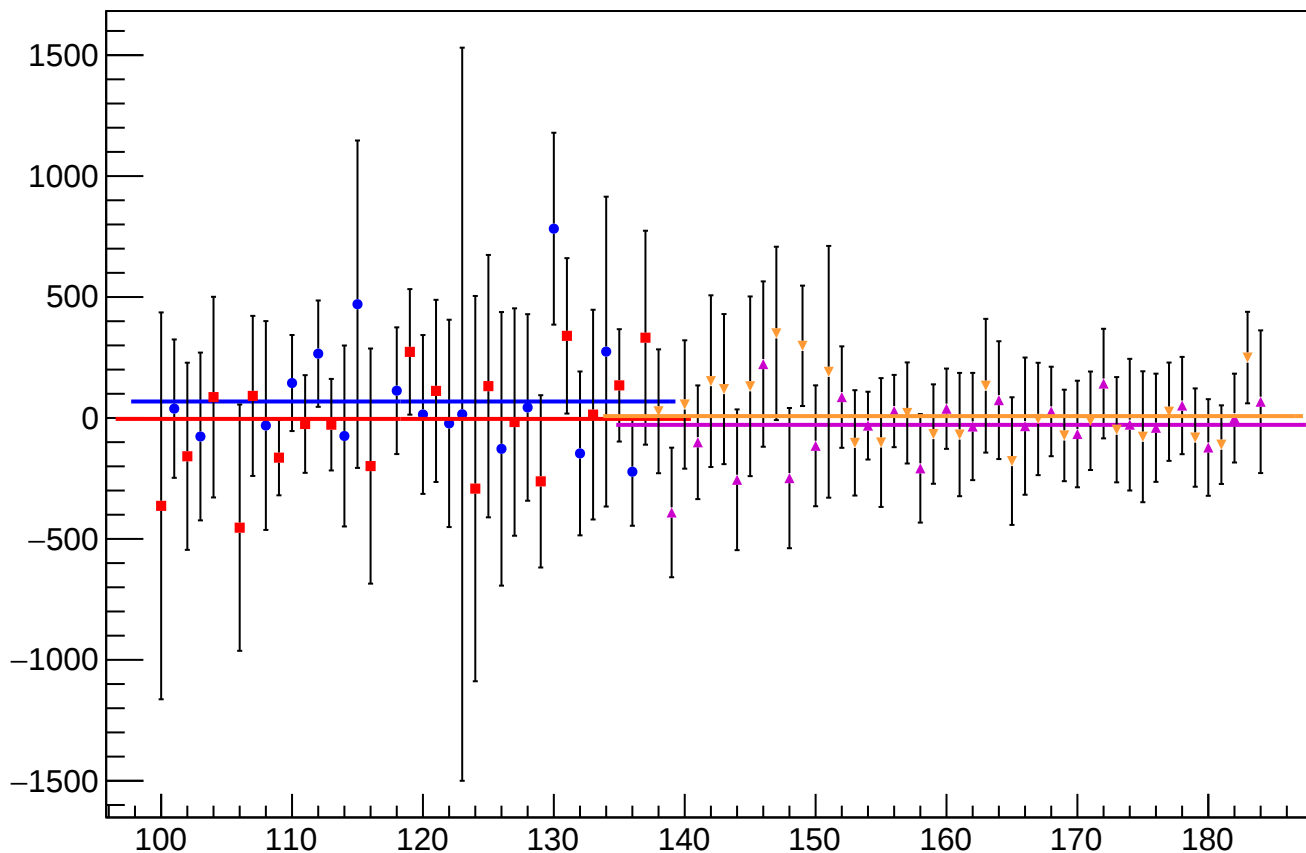
Left In: 11.392 $\pm$ 0.002 χ^2 /NDF: 150493.3/22

+ sign 11.390 $\pm$ 0.002 χ^2 /NDF: 269560.9/40

All: 11.372 $\pm$ 0.001 χ^2 /NDF: 570074.9/82

- sign 11.354 $\pm$ 0.002 χ^2 /NDF: 300274.3/41

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: 7.715+/-48.402 χ^2/NDF : 6.9/23

Right Out: -3.876+/-70.195 χ^2/NDF : 6.5/18

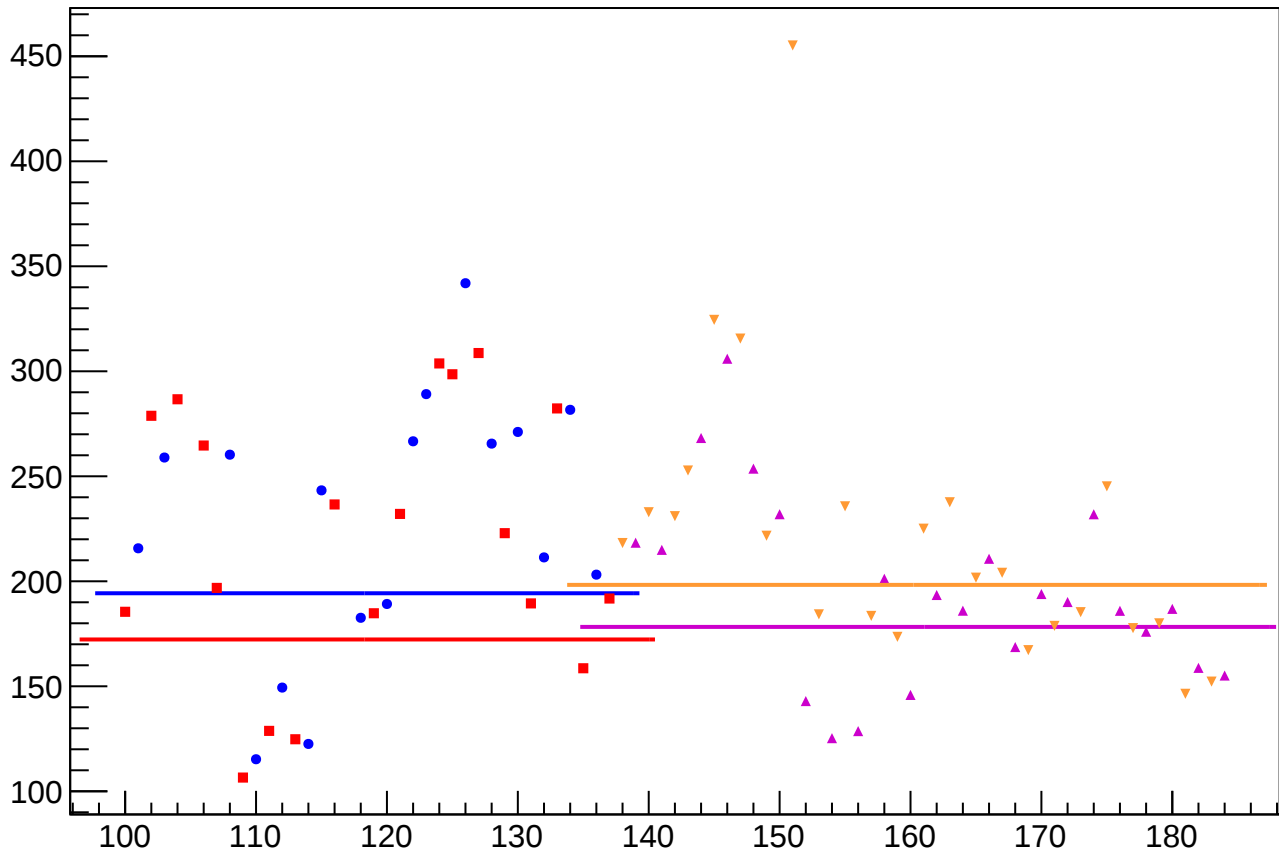
Left In: -28.500+/-44.797 χ^2/NDF : 6.4/22

+ sign 24.064+/-41.335 χ^2/NDF : 14.7/40

All: -0.703+/-27.880 χ^2/NDF : 28.4/82

- sign -21.374+/-37.762 χ^2/NDF : 13.0/41

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: 198.288 $\pm$ 0.034 χ^2 /NDF: 1724183.0/23

+ sign 197.208 $\pm$ 0.029 χ^2 /NDF: 2734077.6/40

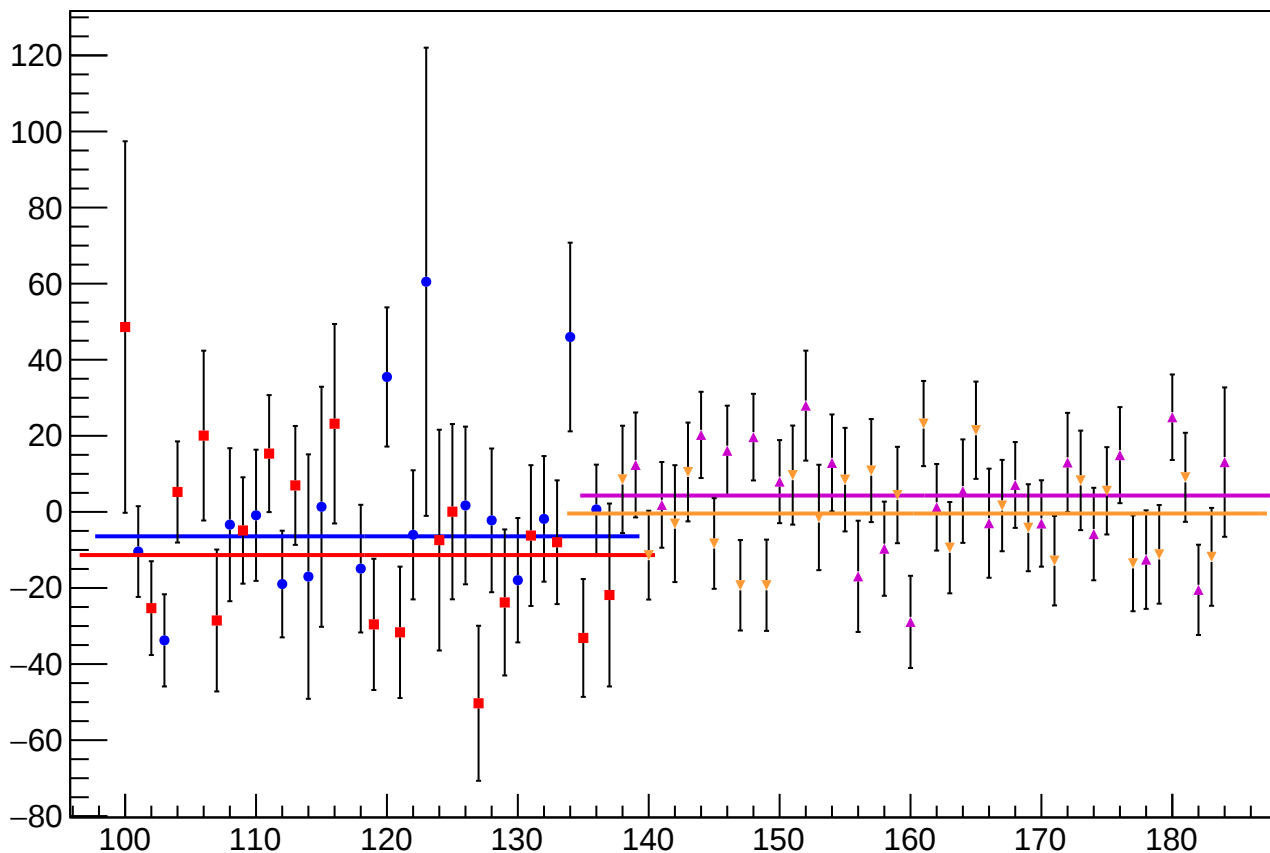
Right Out: 172.293 $\pm$ 0.050 χ^2 /NDF: 1564135.2/18

All: 185.945 $\pm$ 0.020 χ^2 /NDF: 6209878.0/82

- sign 176.545 $\pm$ 0.027 χ^2 /NDF: 3203380.5/41

Left In: 178.277 $\pm$ 0.032 χ^2 /NDF: 1628916.6/22

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.419 $\pm$ 4.138 χ^2 /NDF: 18.6/16

Left Out: -0.426 $\pm$ 2.551 χ^2 /NDF:22.4/23

Right Out: -11.351 $\pm$ 4.084 χ^2 /NDF: 22.6/18

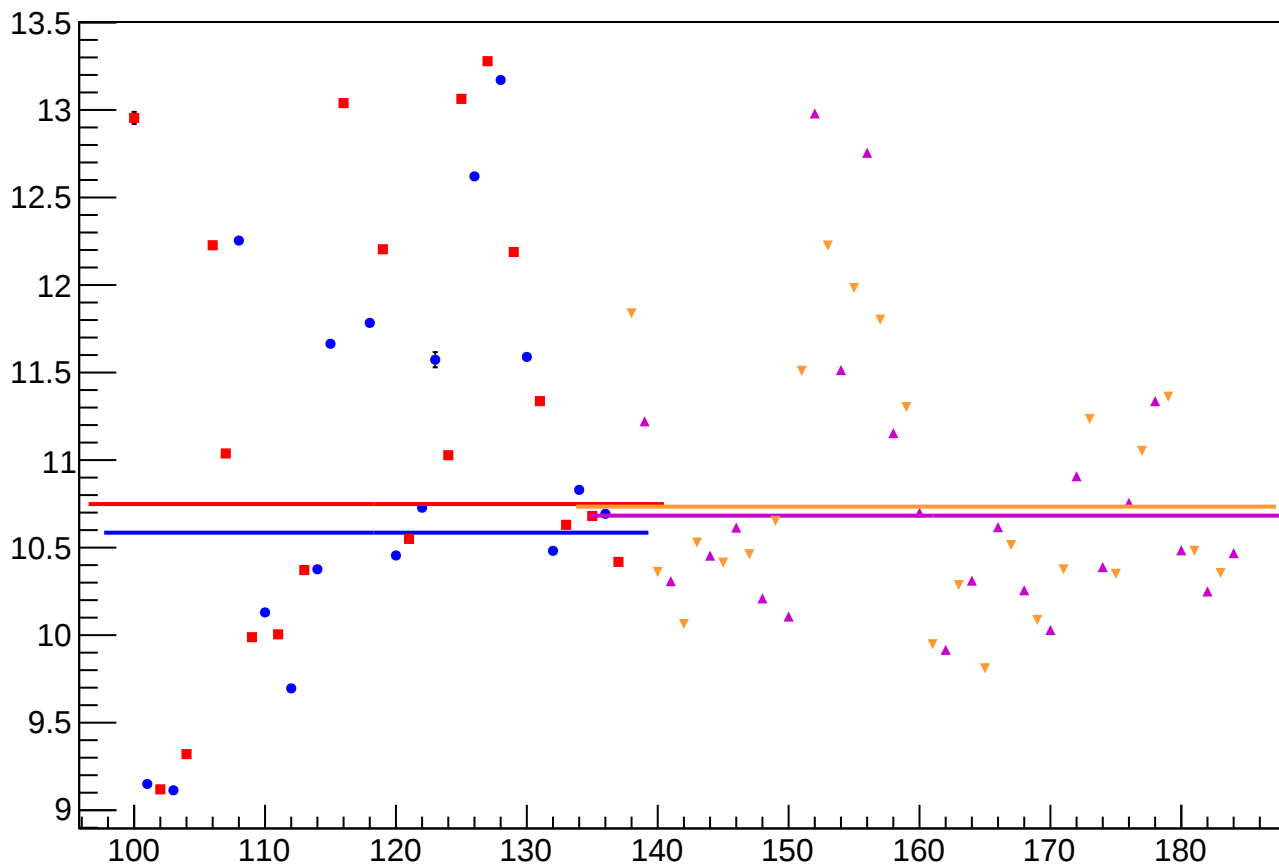
Left In: 4.298 $\pm$ 2.589 χ^2 /NDF:31.6/22

+ sign -2.076 $\pm$ 2.172 χ^2 /NDF: 42.6/40

All: -1.139 $\pm$ 1.541 χ^2 /NDF: 107.6/82

- sign -0.188 $\pm$ 2.187 χ^2 /NDF: 64.7/41

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: 10.734 ± 0.002 χ^2/NDF : 130535.8/23

Right Out: 10.749 ± 0.003 χ^2/NDF : 177905.9/18

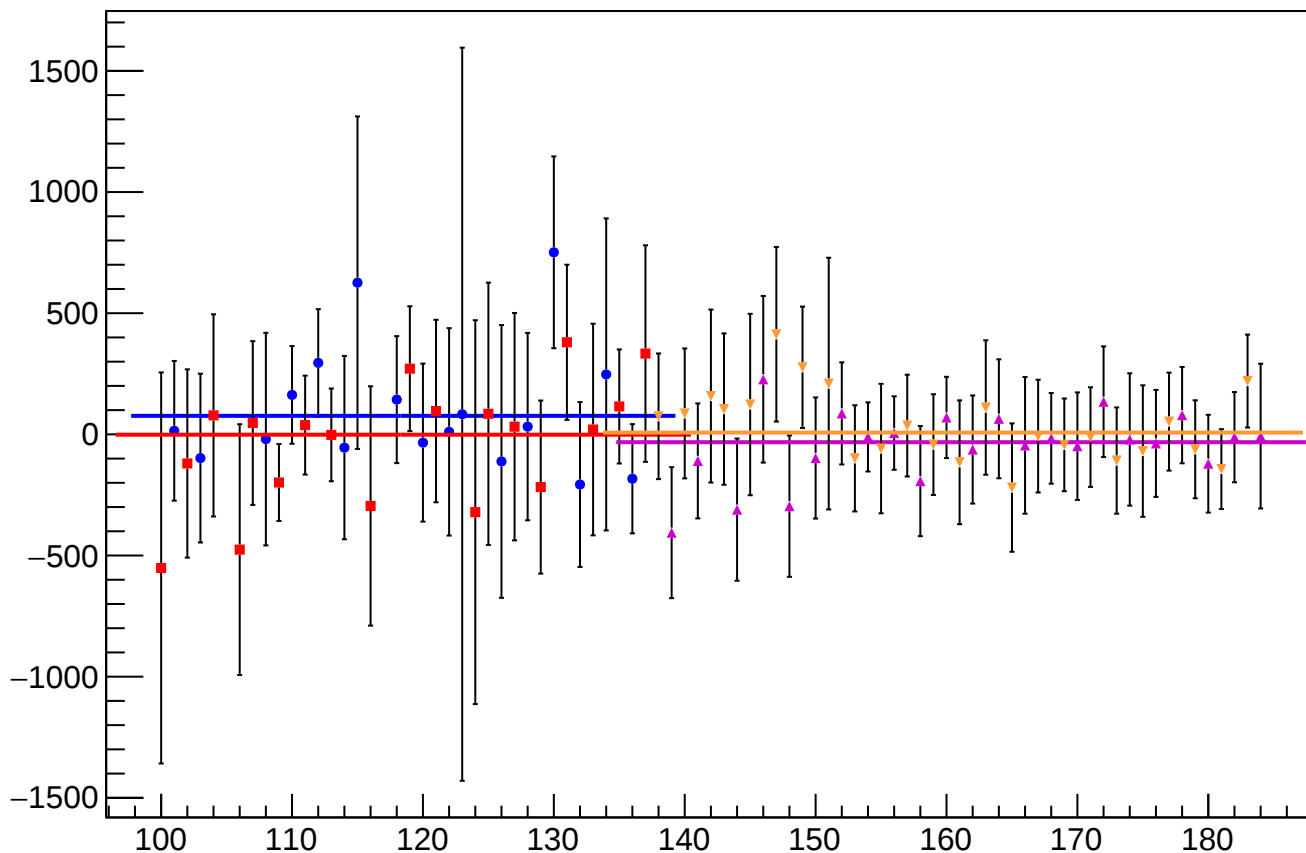
Left In: 10.683 ± 0.002 χ^2/NDF : 147835.6/22

+ sign 10.693 ± 0.002 χ^2/NDF : 292221.3/40

All: 10.697 ± 0.001 χ^2/NDF : 618353.0/82

- sign 10.702 ± 0.002 χ^2/NDF : 326116.4/41

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: 7.334 $\pm$ 48.716 χ^2 /NDF: 7.2/23

Right Out: -1.355 $\pm$ 70.867 χ^2 /NDF: 7.4/18

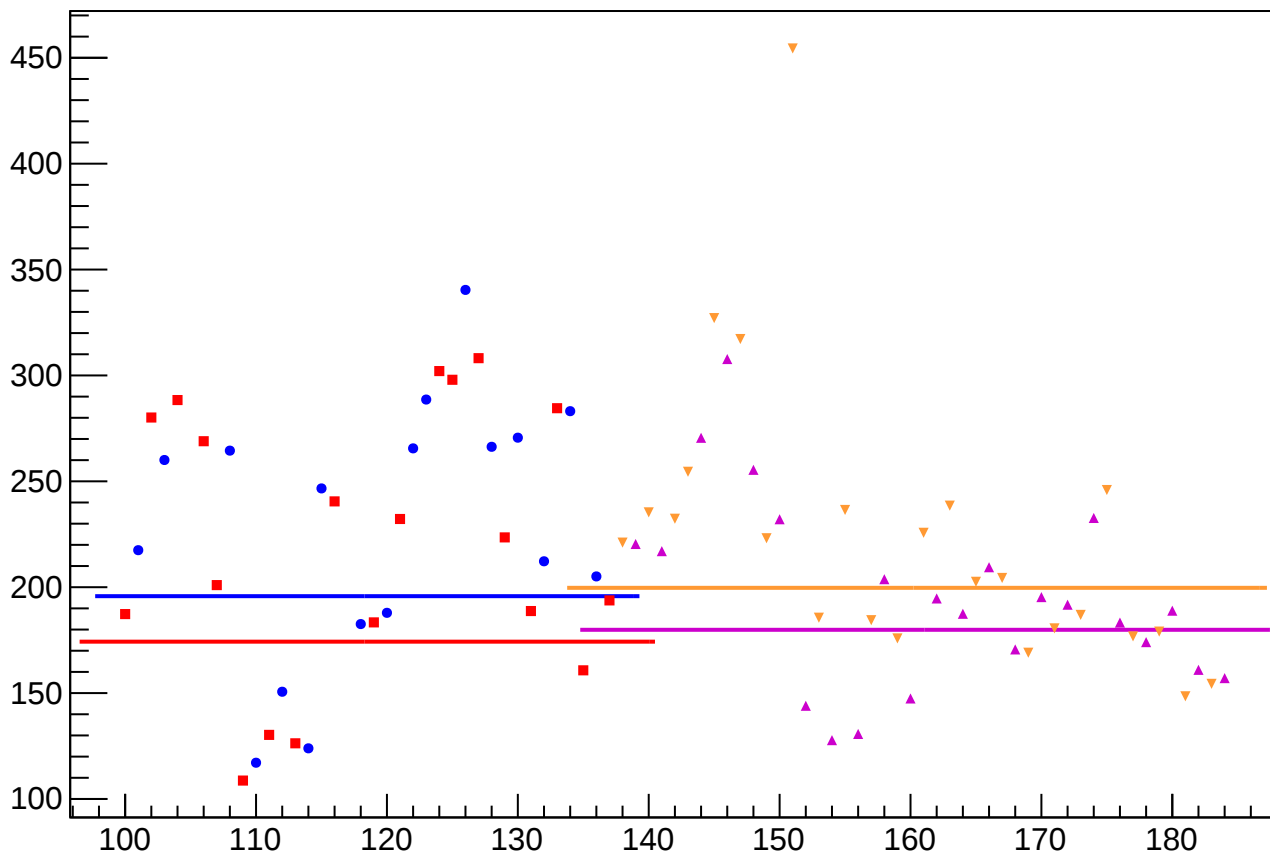
Left In: -32.413 $\pm$ 45.155 χ^2 /NDF: 6.9/22

+ sign 26.026 $\pm$ 41.604 χ^2 /NDF: 15.4/40

All: -0.892 $\pm$ 28.091 χ^2 /NDF: 30.5/82

- sign -23.445 $\pm$ 38.081 χ^2 /NDF: 14.4/41

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.766 ± 0.057 $\chi^2/\text{NDF}: 980914.1/16$

Left Out: 199.707 ± 0.034 $\chi^2/\text{NDF}: 1698853.6/23$

Right Out: 174.286 ± 0.050 $\chi^2/\text{NDF}: 1523733.5/18$

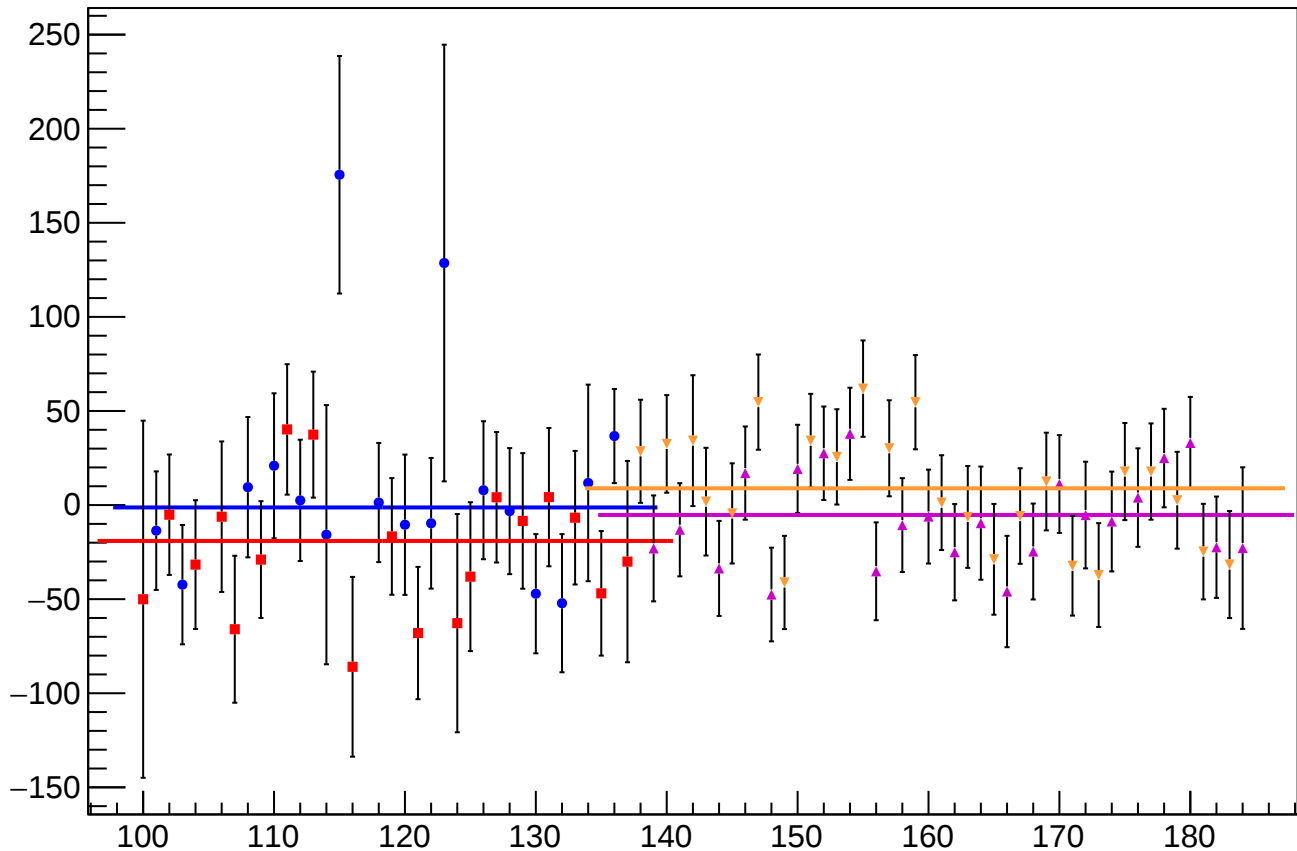
Left In: 179.886 ± 0.032 $\chi^2/\text{NDF}: 1580636.4/22$

+ sign 198.640 ± 0.029 $\chi^2/\text{NDF}: 2683311.3/40$

All: 187.556 ± 0.020 $\chi^2/\text{NDF}: 6057475.8/82$

- sign 178.269 ± 0.027 $\chi^2/\text{NDF}: 3113254.5/41$

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: 8.908 ± 5.384 $\chi^2/\text{NDF}: 31.0/23$

Right Out: -19.071 ± 8.572 $\chi^2/\text{NDF}: 14.4/18$

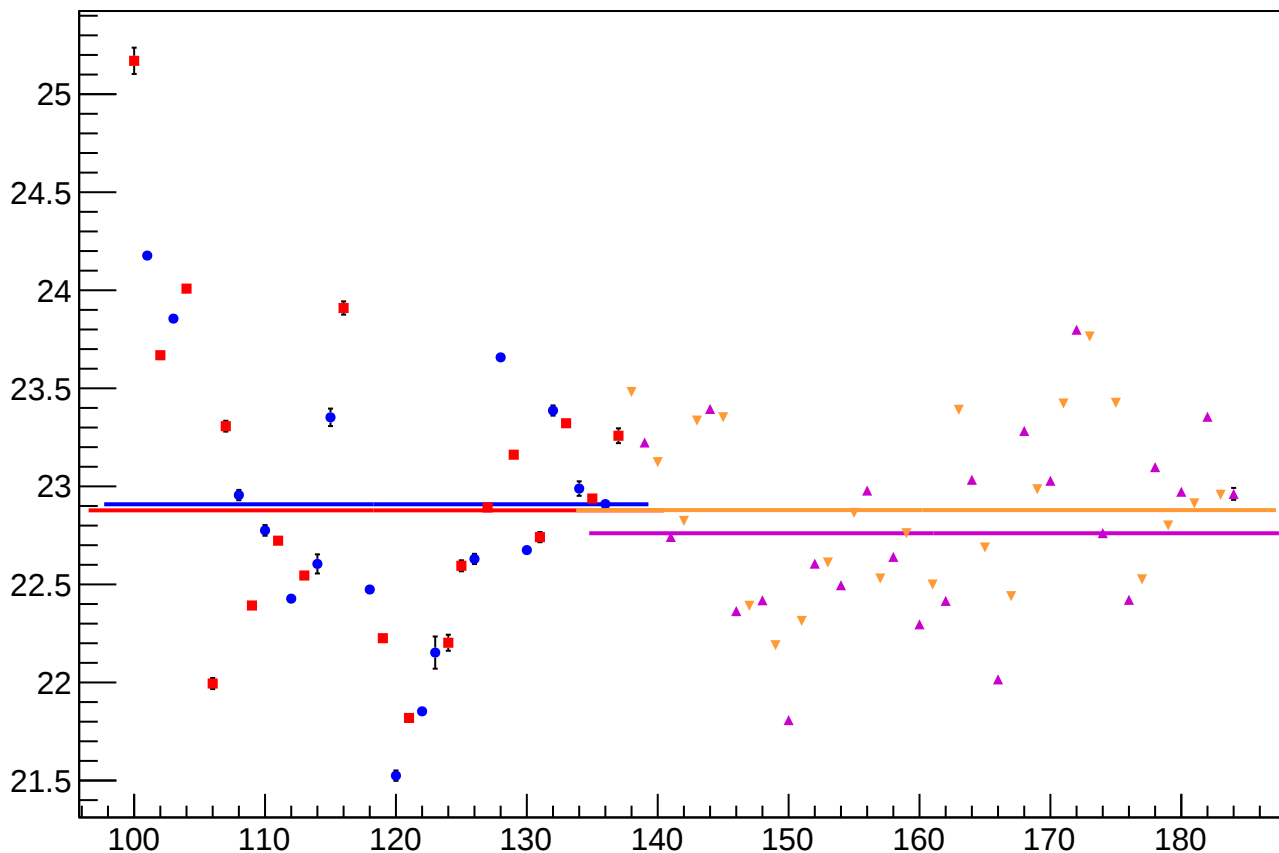
Left In: -5.261 ± 5.465 $\chi^2/\text{NDF}: 20.8/22$

+ sign 6.160 ± 4.599 $\chi^2/\text{NDF}: 50.0/40$

All: -1.531 ± 3.255 $\chi^2/\text{NDF}: 92.5/82$

- sign -9.251 ± 4.608 $\chi^2/\text{NDF}: 37.0/41$

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.909 $\pm$ 0.006 χ^2 /NDF: 12270.5/16

Left Out: 22.879 $\pm$ 0.004 χ^2 /NDF: 12361.5/23

Right Out: 22.878 $\pm$ 0.006 χ^2 /NDF: 11094.4/18

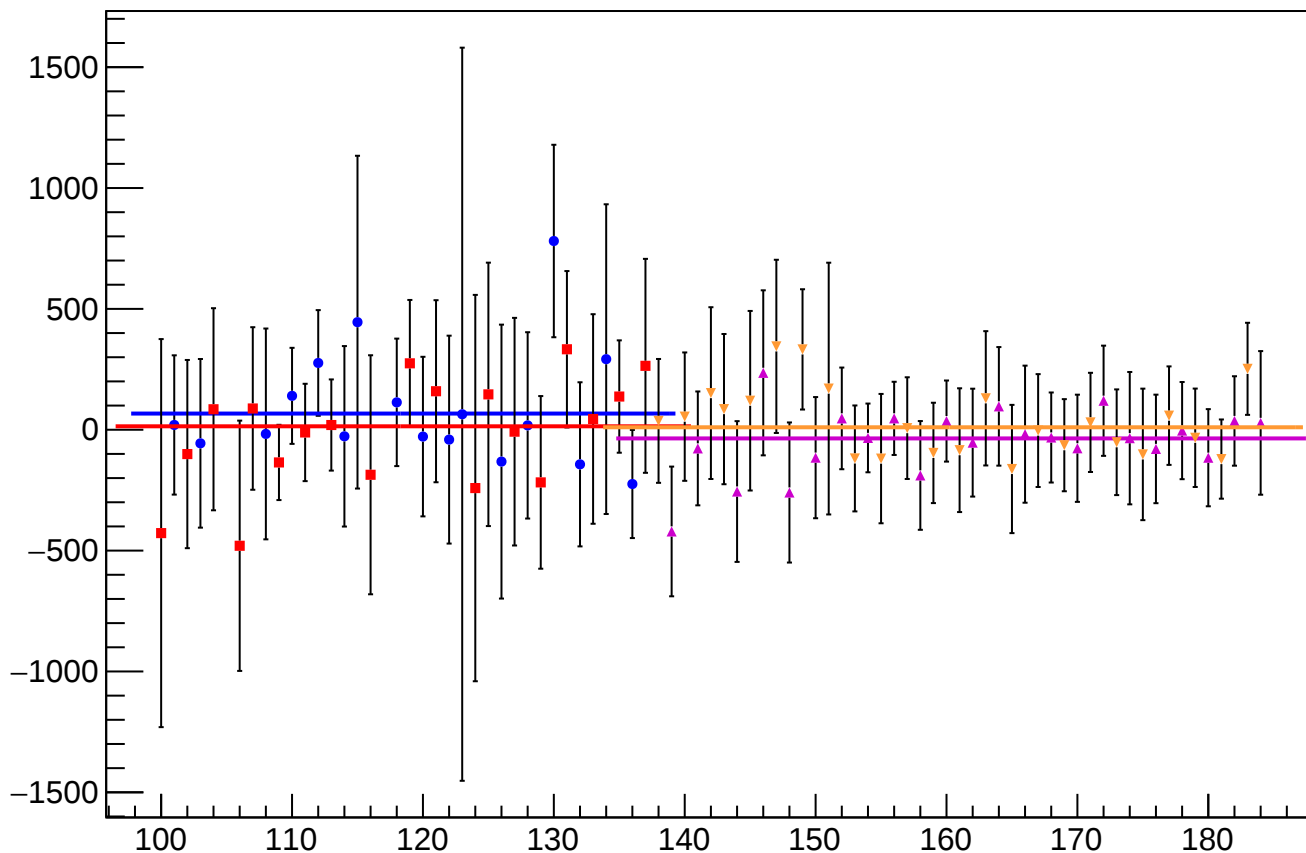
Left In: 22.761 $\pm$ 0.004 χ^2 /NDF: 14550.0/22

+ sign 22.887 $\pm$ 0.003 χ^2 /NDF: 24648.4/40

All: 22.841 $\pm$ 0.002 χ^2 /NDF: 50958.5/82

- sign 22.795 $\pm$ 0.003 χ^2 /NDF: 25908.0/41

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: 10.210 $\pm$ 48.639 χ^2 /NDF: 7.3/23

Right Out: 14.253 $\pm$ 70.367 χ^2 /NDF: 5.8/18

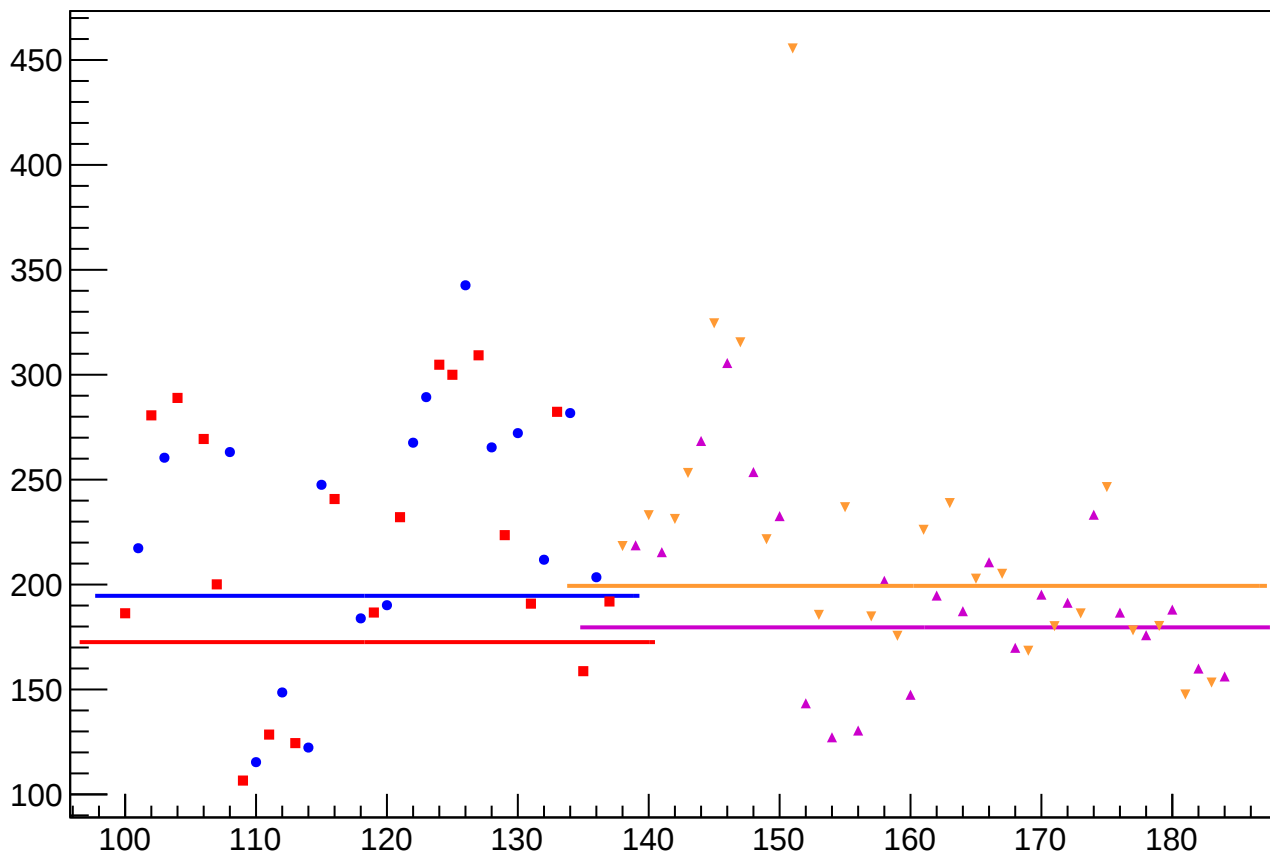
Left In: -35.879 $\pm$ 45.087 χ^2 /NDF: 6.3/22

+ sign 25.632 $\pm$ 41.508 χ^2 /NDF: 15.1/40

All: 0.083 $\pm$ 28.013 χ^2 /NDF: 28.2/82

- sign -21.288 $\pm$ 37.963 χ^2 /NDF: 12.5/41

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: 199.378+/-0.034 χ^2/NDF : 1695760.7/23

Right Out: 172.571+/-0.050 χ^2/NDF : 1591230.2/18

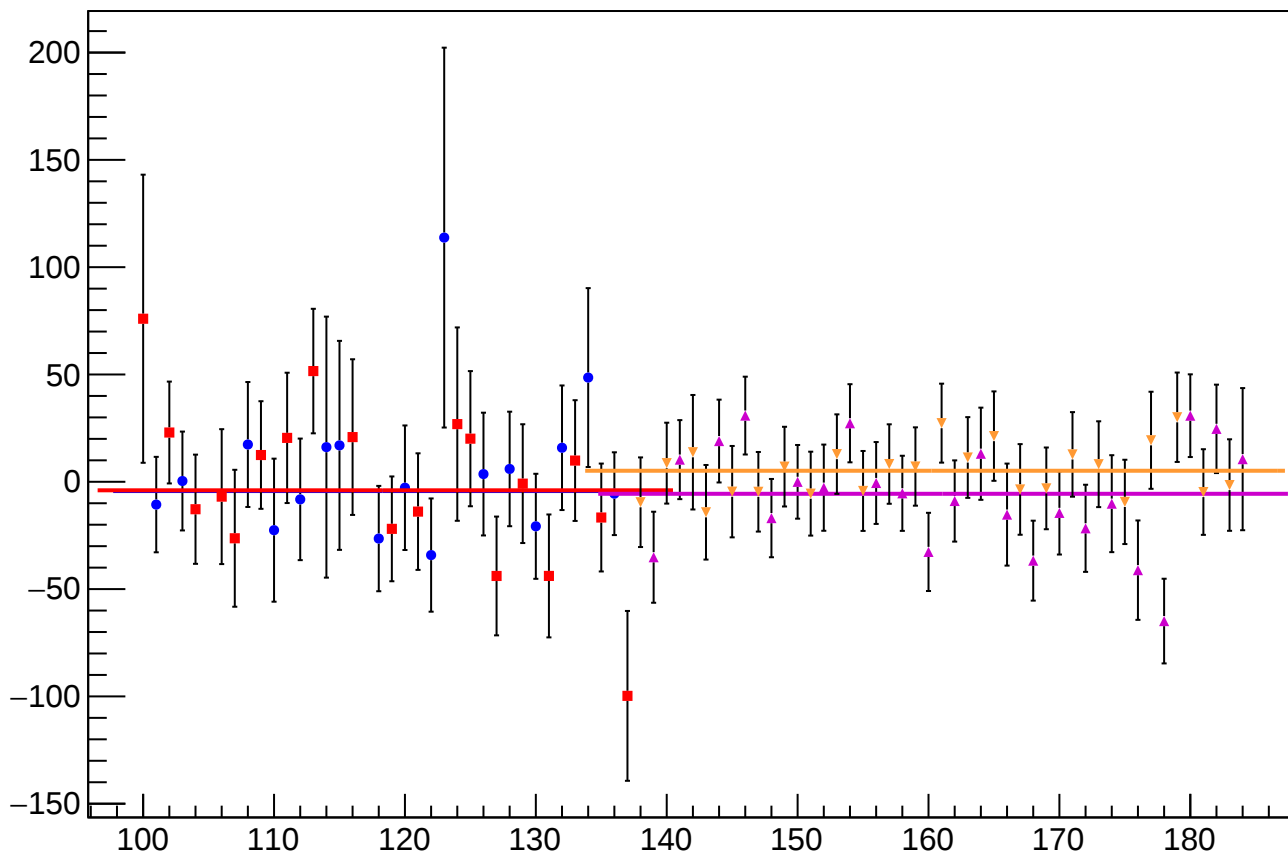
Left In: 179.605+/-0.032 χ^2/NDF : 1575744.0/22

+ sign 198.089+/-0.029 χ^2/NDF : 2721916.9/40

All: 186.909+/-0.020 χ^2/NDF : 6169511.3/82

- sign 177.558+/-0.027 χ^2/NDF : 3181143.4/41

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: 5.144 ± 4.061 χ^2/NDF : 8.1/23

Right Out: -3.970 ± 6.740 χ^2/NDF : 20.7/18

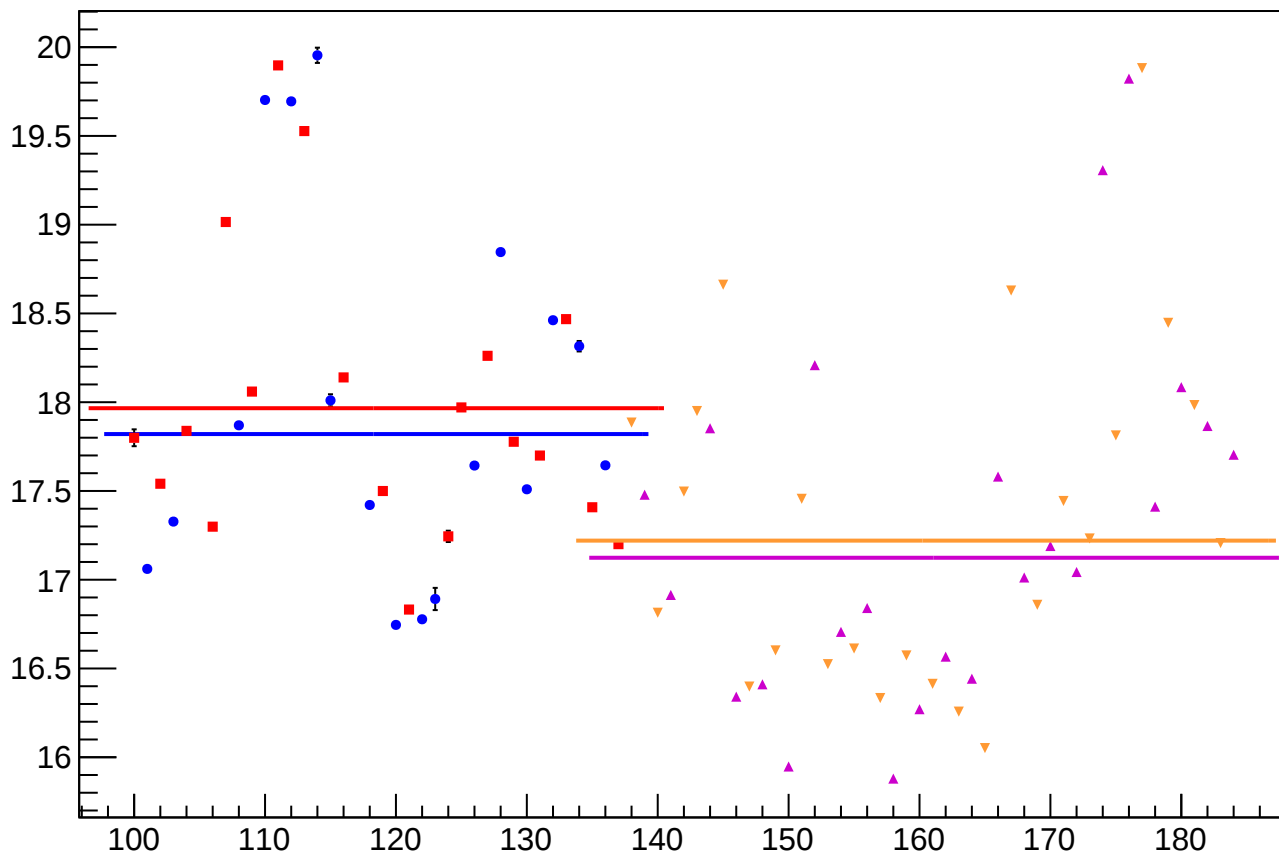
Left In: -5.595 ± 4.121 χ^2/NDF : 36.4/22

+ sign 2.704 ± 3.498 χ^2/NDF : 17.4/40

All: -1.204 ± 2.480 χ^2/NDF : 77.0/82

- sign -5.153 ± 3.516 χ^2/NDF : 57.1/41

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.821+/-0.005 χ^2/NDF : 32283.6/16

Left Out: 17.220+/-0.003 χ^2/NDF : 97676.8/23

Right Out: 17.966+/-0.005 χ^2/NDF : 25320.4/18

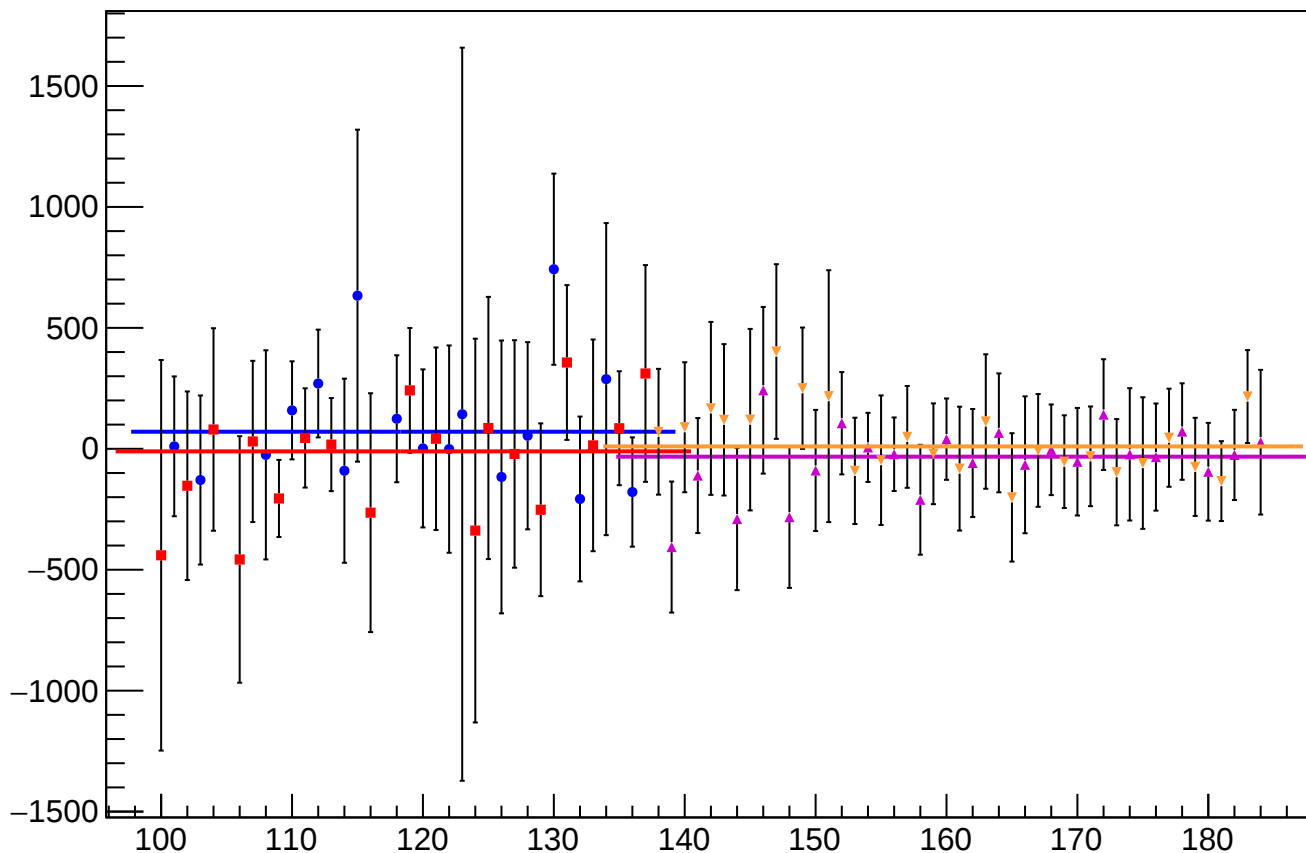
Left In: 17.124+/-0.003 χ^2/NDF : 100747.0/22

+ sign 17.375+/-0.002 χ^2/NDF : 141234.3/40

All: 17.364+/-0.002 χ^2/NDF : 290082.3/82

- sign 17.353+/-0.002 χ^2/NDF : 148808.1/41

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 70.603 $\pm$ 80.168 χ^2 /NDF: 7.4/16

Left Out: 9.846 $\pm$ 48.826 χ^2 /NDF: 6.6/23

Right Out: -10.558 $\pm$ 71.025 χ^2 /NDF: 6.7/18

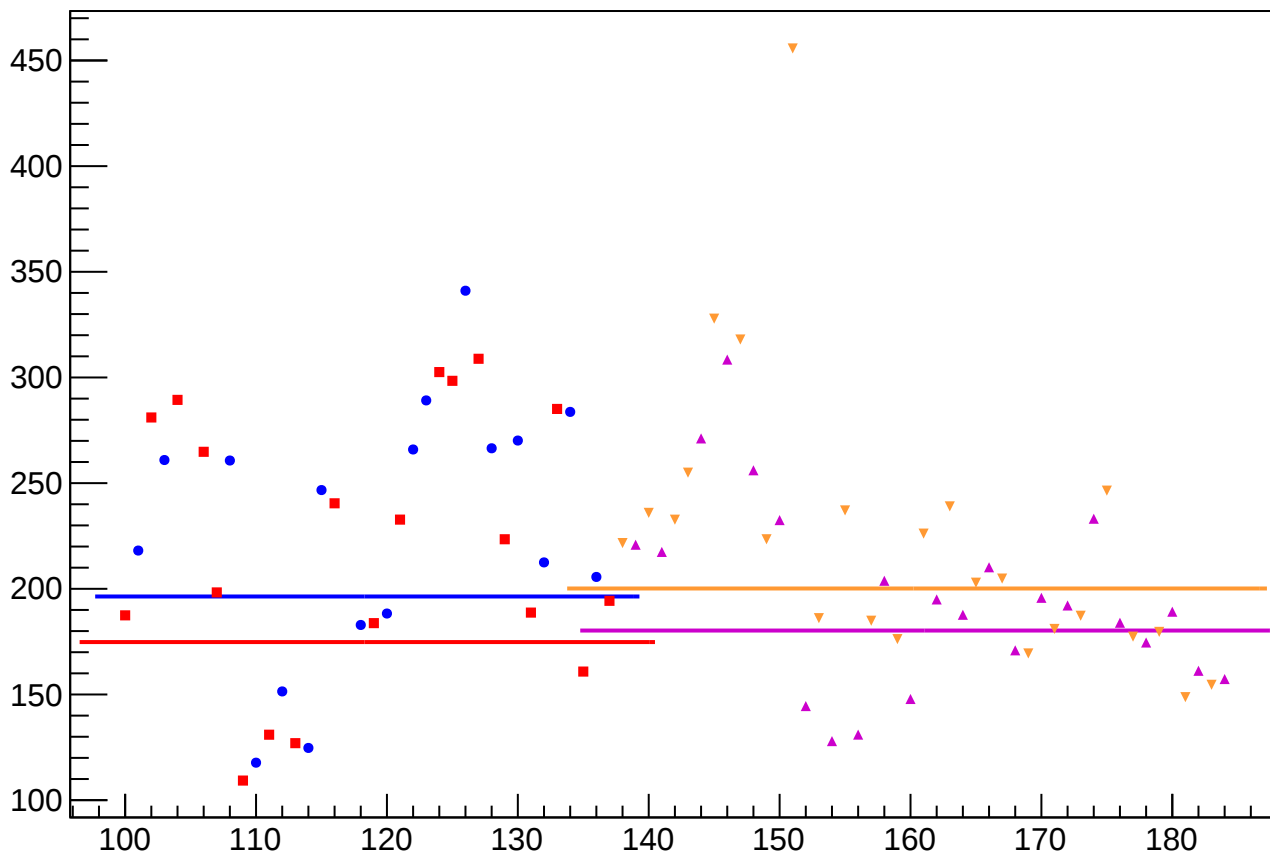
Left In: -32.571 $\pm$ 45.248 χ^2 /NDF: 6.7/22

+ sign 26.285 $\pm$ 41.700 χ^2 /NDF: 14.4/40

All: -2.287 $\pm$ 28.152 χ^2 /NDF: 28.7/82

- sign -26.216 $\pm$ 38.162 χ^2 /NDF: 13.5/41

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.369 ± 0.057 χ^2/NDF : 965962.8/16

Left Out: 200.153 ± 0.035 χ^2/NDF : 1699689.0/23

Right Out: 174.800 ± 0.050 χ^2/NDF : 1506075.3/18

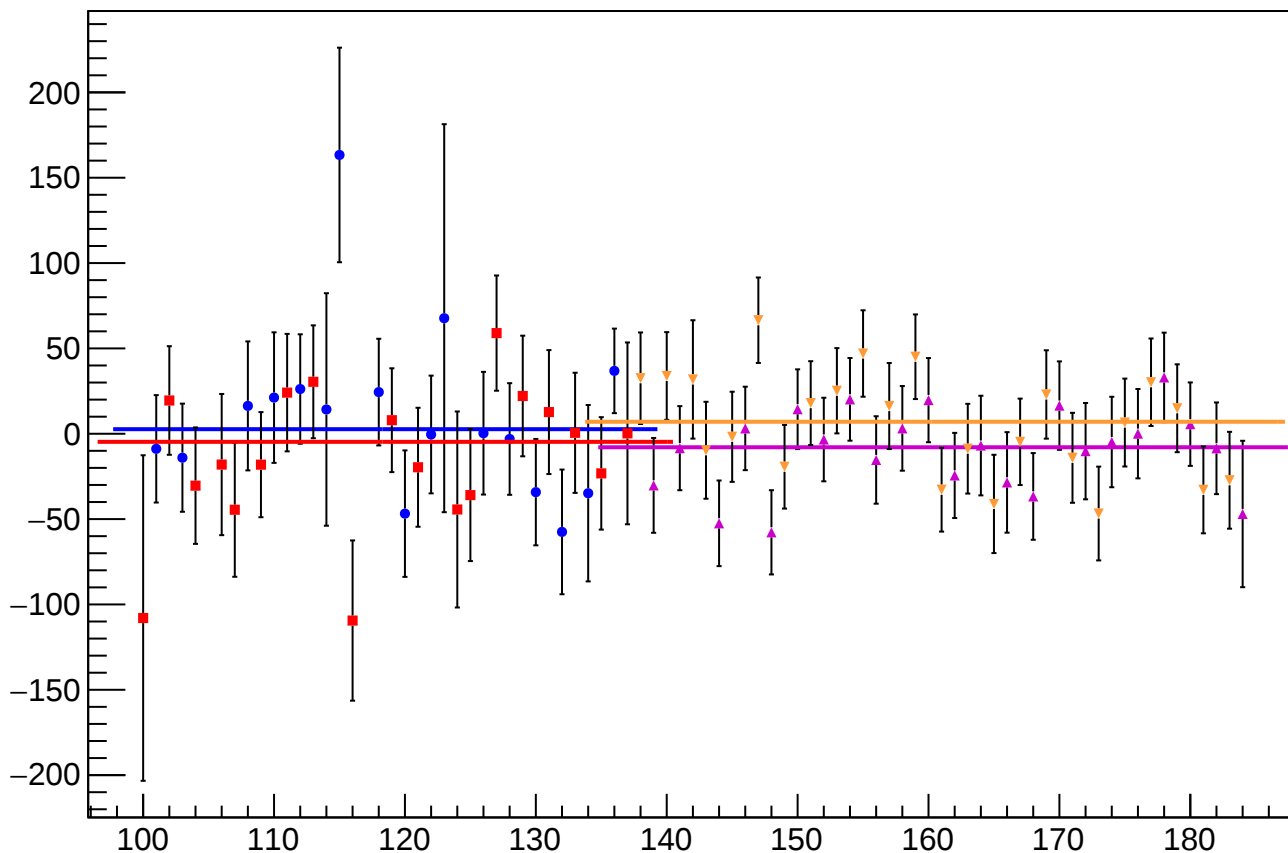
Left In: 180.256 ± 0.032 χ^2/NDF : 1580553.5/22

+ sign 199.129 ± 0.029 χ^2/NDF : 2668901.7/40

All: 188.001 ± 0.020 χ^2/NDF : 6025636.4/82

- sign 178.681 ± 0.027 χ^2/NDF : 3095023.8/41

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 2.676 ± 8.772 $\chi^2/\text{NDF}: 17.1/16$

Left Out: 7.026 ± 5.334 $\chi^2/\text{NDF}: 31.2/23$

Right Out: -4.736 ± 8.496 $\chi^2/\text{NDF}: 16.6/18$

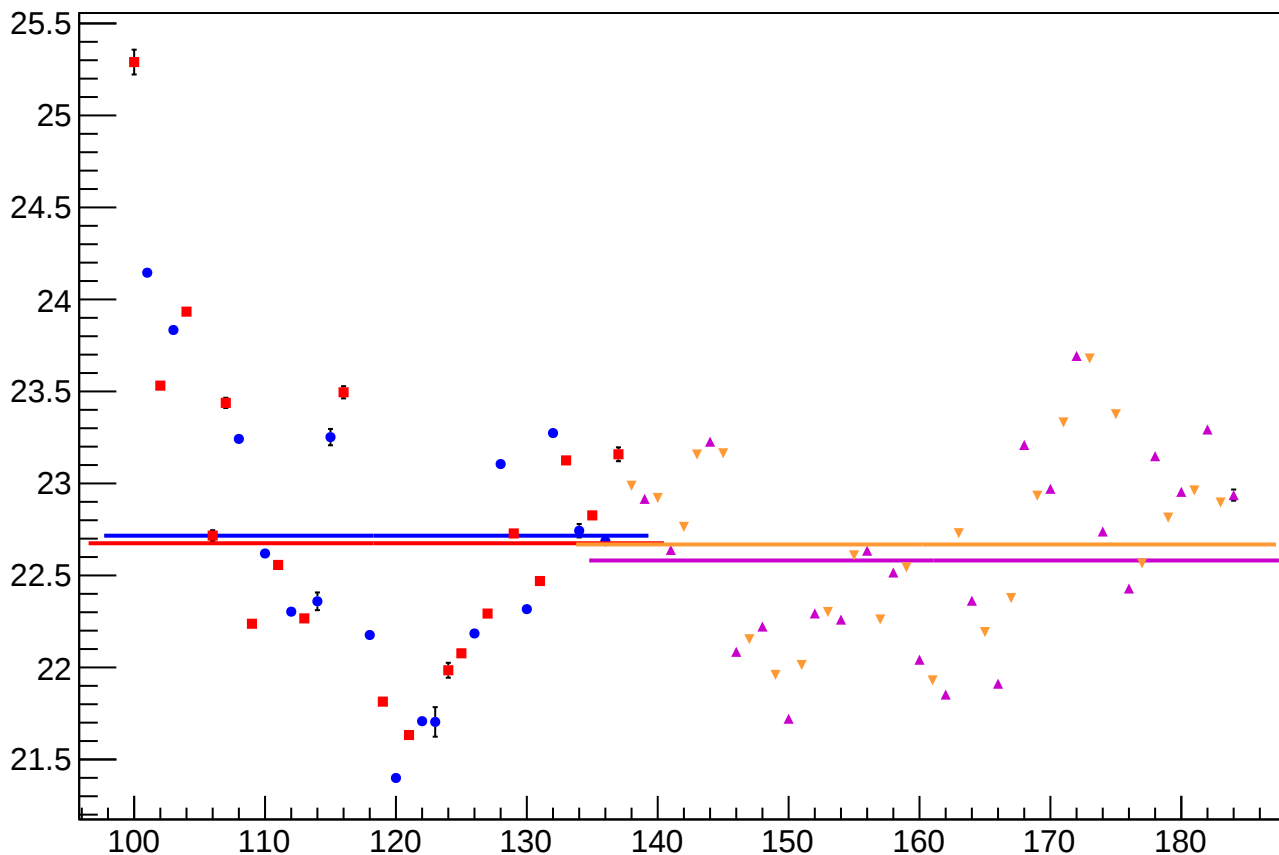
Left In: -7.915 ± 5.422 $\chi^2/\text{NDF}: 18.7/22$

+ sign 5.852 ± 4.558 $\chi^2/\text{NDF}: 48.4/40$

All: -0.554 ± 3.227 $\chi^2/\text{NDF}: 87.8/82$

- sign -6.995 ± 4.570 $\chi^2/\text{NDF}: 35.4/41$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.716 $\pm$ 0.006 χ^2 /NDF: 14058.2/16

Left Out: 22.668 $\pm$ 0.004 χ^2 /NDF:15563.4/23

Right Out: 22.675 $\pm$ 0.006 χ^2 /NDF: 12796.3/18

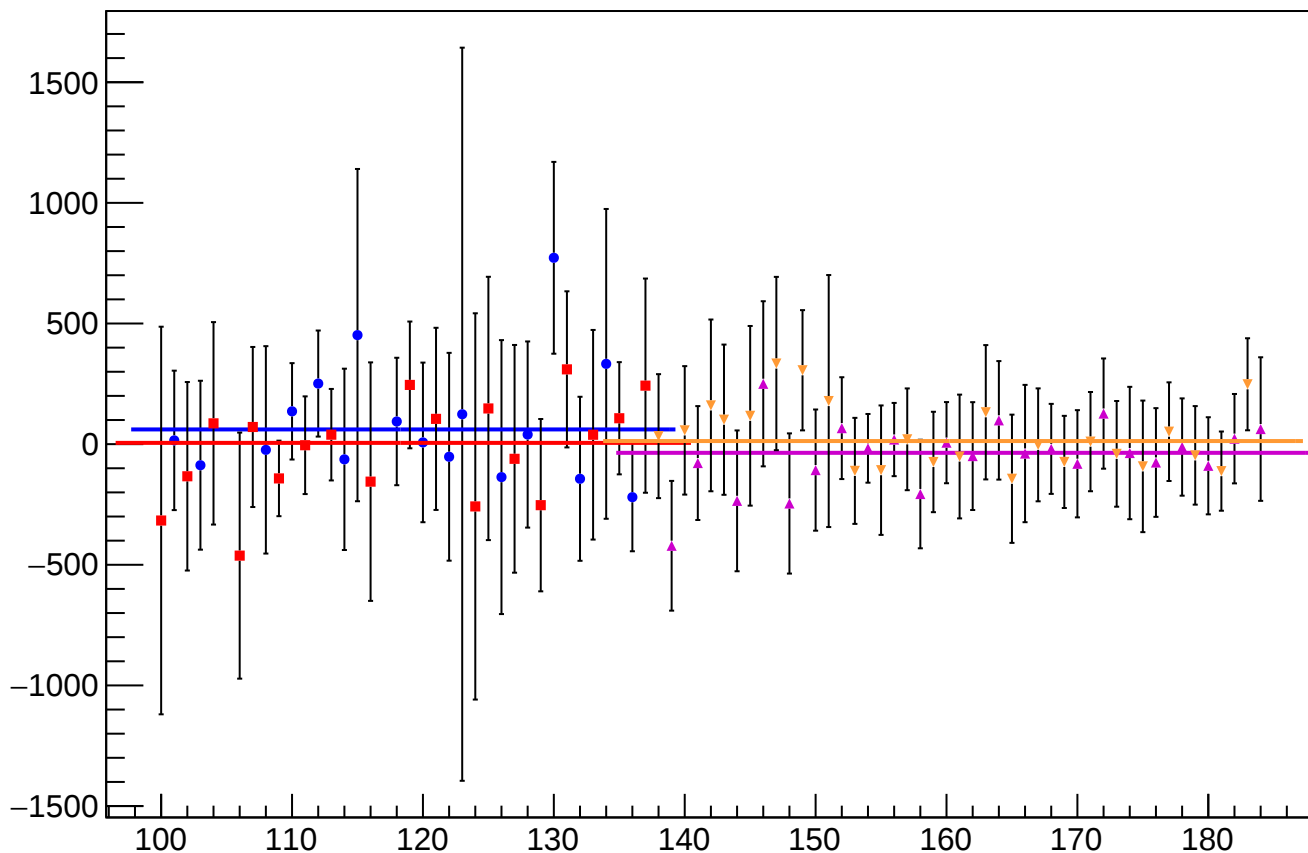
Left In: 22.581 $\pm$ 0.004 χ^2 /NDF:17904.5/22

+ sign 22.681 $\pm$ 0.003 χ^2 /NDF: 29664.6/40

All: 22.645 $\pm$ 0.002 χ^2 /NDF: 60792.9/82

- sign 22.608 $\pm$ 0.003 χ^2 /NDF: 30873.4/41

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: 12.787 $\pm$ 48.749 χ^2 /NDF: 6.6/23

Right Out: 5.234 $\pm$ 70.529 χ^2 /NDF: 5.2/18

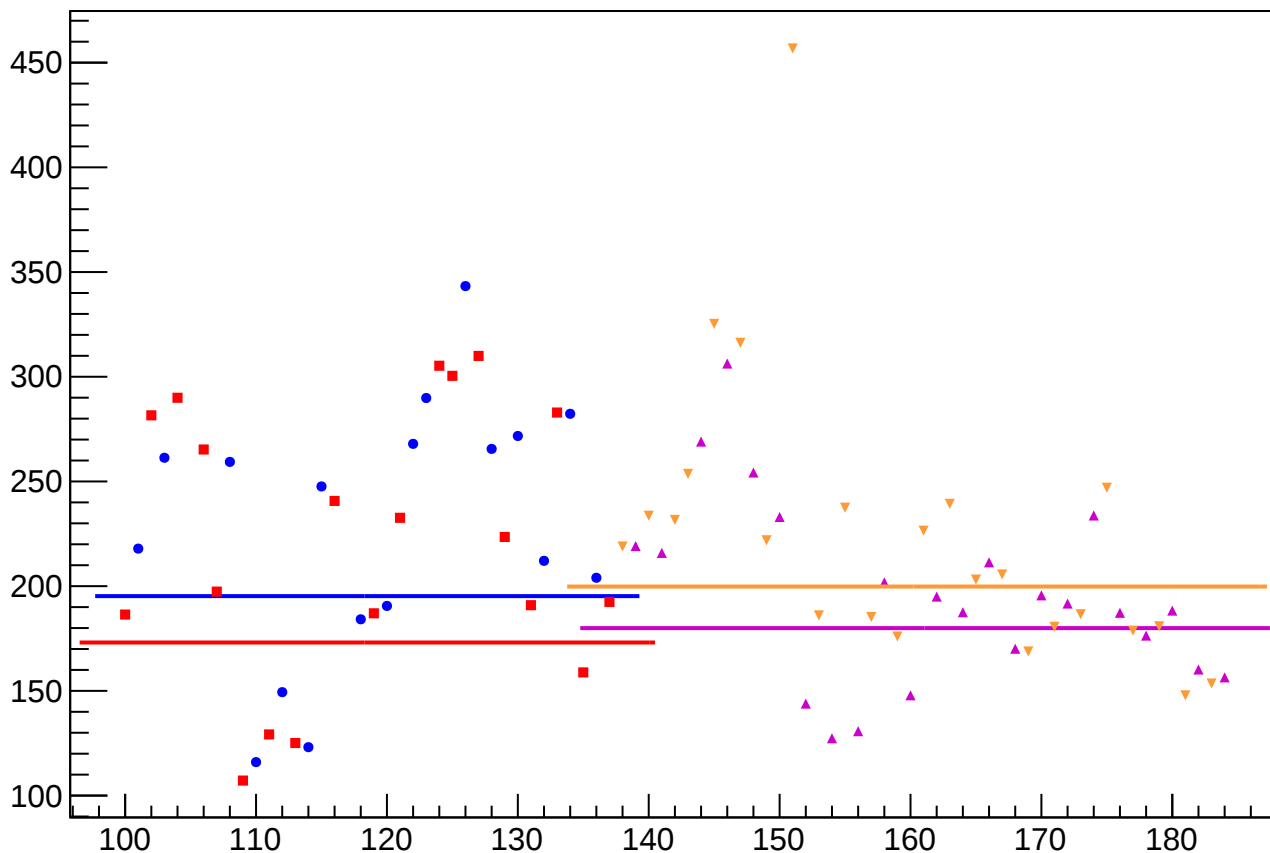
Left In: -35.996 $\pm$ 45.180 χ^2 /NDF: 6.1/22

+ sign 25.877 $\pm$ 41.604 χ^2 /NDF: 14.0/40

All: -1.287 $\pm$ 28.076 χ^2 /NDF: 26.3/82

- sign -24.000 $\pm$ 38.044 χ^2 /NDF: 11.5/41

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: 199.824 $\pm$ 0.034 χ^2 /NDF:1696644.9/23

Right Out: 173.101 $\pm$ 0.050 χ^2 /NDF: 1572691.1/18

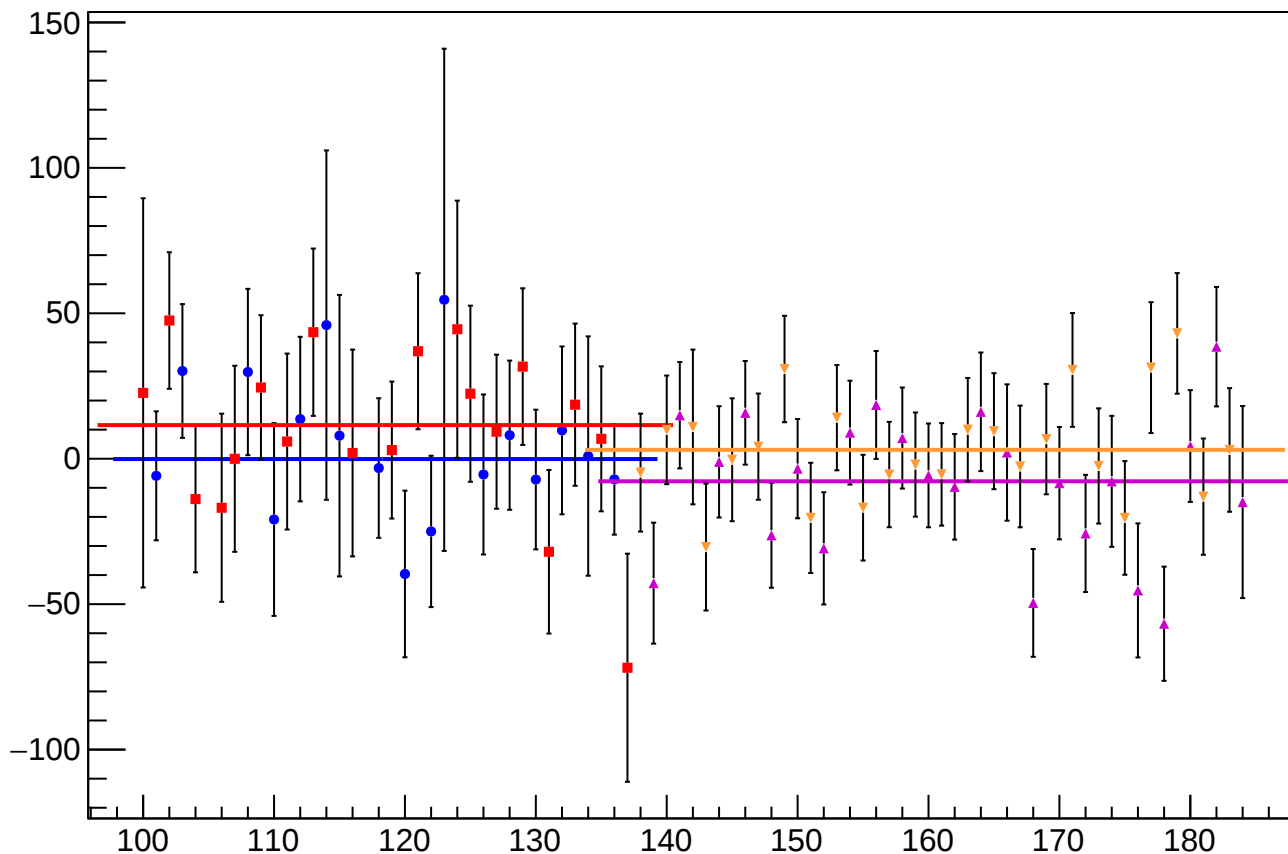
Left In: 179.972 $\pm$ 0.032 χ^2 /NDF:1575888.3/22

+ sign 198.581 $\pm$ 0.029 χ^2 /NDF: 2706763.8/40

All: 187.358 $\pm$ 0.020 χ^2 /NDF: 6136044.1/82

- sign 177.973 $\pm$ 0.027 χ^2 /NDF: 3162039.0/41

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: 3.055 ± 3.989 χ^2/NDF : 18.5/23

Right Out: 11.560 ± 6.642 χ^2/NDF : 15.2/18

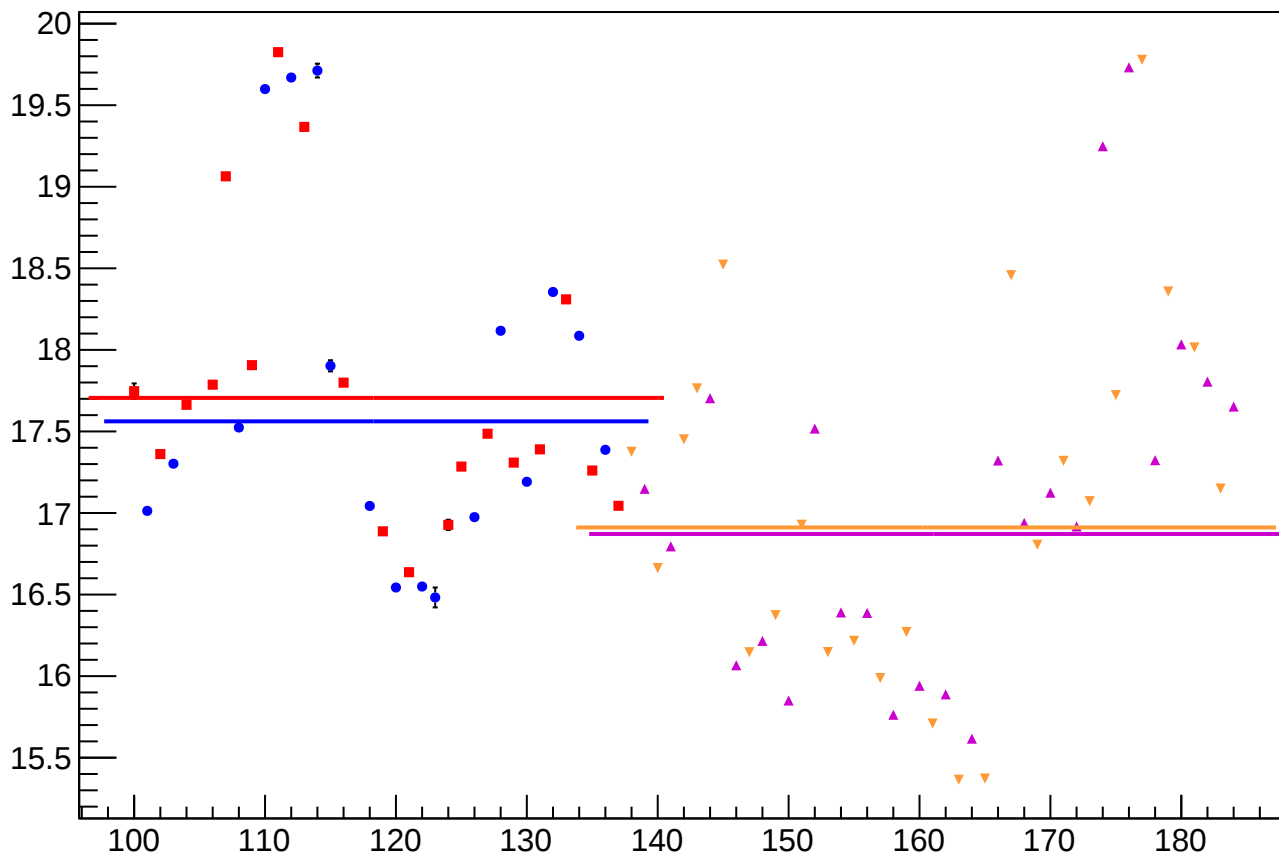
Left In: -7.756 ± 4.061 χ^2/NDF : 34.3/22

+ sign 2.242 ± 3.439 χ^2/NDF : 26.5/40

All: -0.112 ± 2.441 χ^2/NDF : 83.1/82

- sign -2.501 ± 3.465 χ^2/NDF : 55.6/41

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.562 $\pm$ 0.005 χ^2 /NDF: 33937.0/16

Left Out: 16.911 $\pm$ 0.003 χ^2 /NDF:136755.9/23

Right Out: 17.706 $\pm$ 0.005 χ^2 /NDF: 30251.5/18

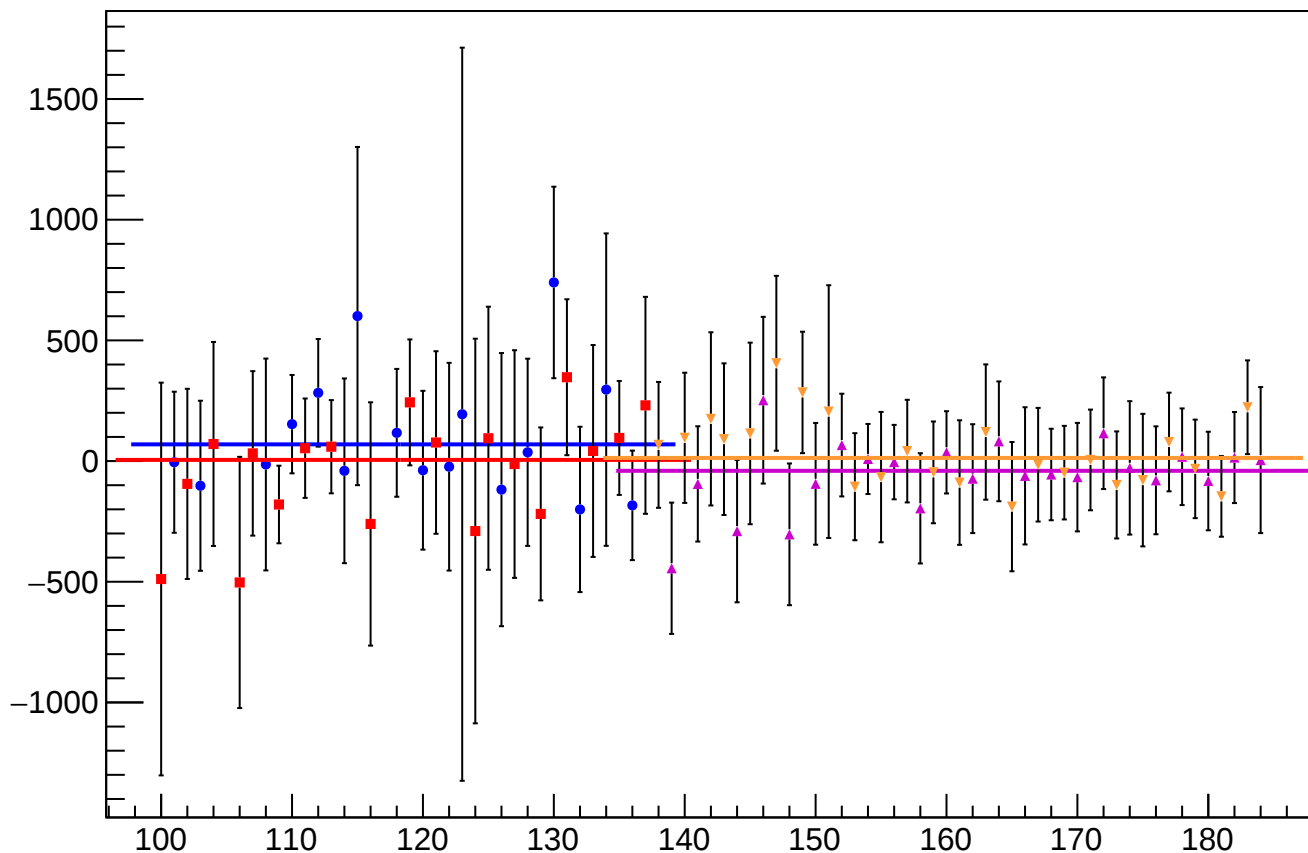
Left In: 16.871 $\pm$ 0.003 χ^2 /NDF:117993.8/22

+ sign 17.078 $\pm$ 0.002 χ^2 /NDF: 184352.0/40

All: 17.088 $\pm$ 0.002 χ^2 /NDF: 355603.6/82

- sign 17.098 $\pm$ 0.002 χ^2 /NDF: 171218.5/41

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: 13.002 $\pm$ 49.246 χ^2 /NDF: 7.0/23

Right Out: 4.849 $\pm$ 71.521 χ^2 /NDF: 6.1/18

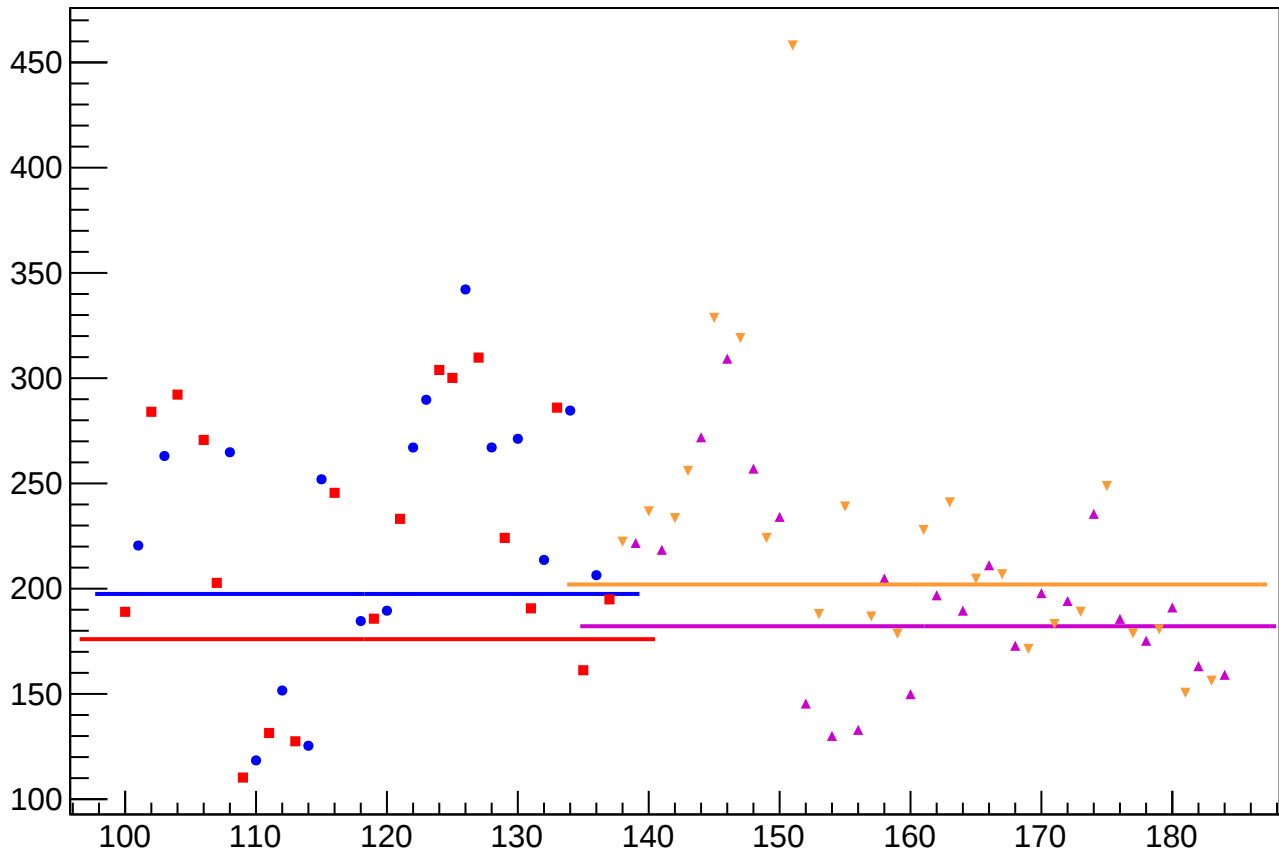
Left In: -40.355 $\pm$ 45.689 χ^2 /NDF: 6.6/22

+ sign 28.274 $\pm$ 42.028 χ^2 /NDF: 14.6/40

All: -1.915 $\pm$ 28.390 χ^2 /NDF: 28.6/82

- sign -27.254 $\pm$ 38.503 χ^2 /NDF: 13.0/41

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: 201.995 $\pm$ 0.035 χ^2 /NDF: 1668157.5/23

Right Out: 176.016 $\pm$ 0.051 χ^2 /NDF: 1514778.3/18

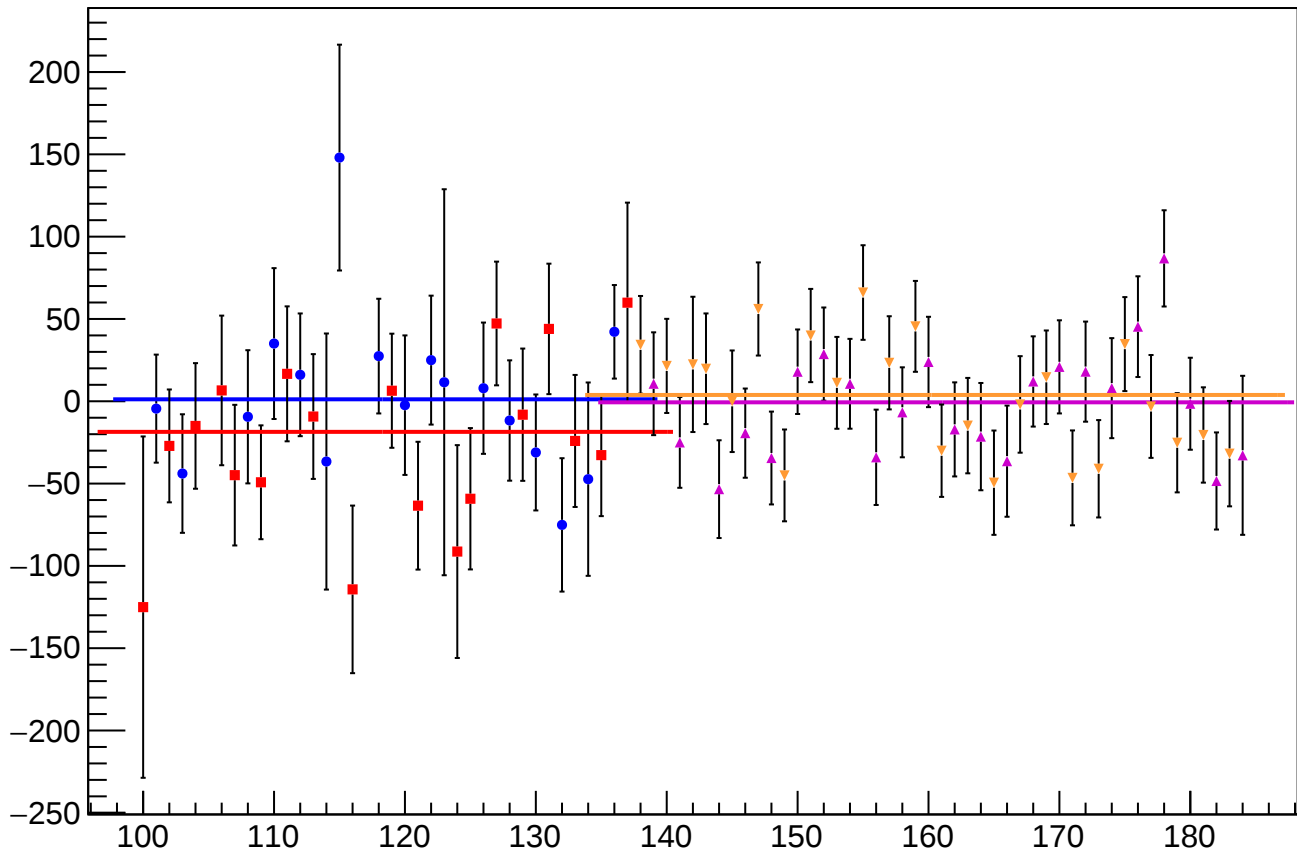
Left In: 182.158 $\pm$ 0.032 χ^2 /NDF: 1535922.8/22

+ sign 200.773 $\pm$ 0.030 χ^2 /NDF: 2643568.8/40

All: 189.685 $\pm$ 0.020 χ^2 /NDF: 5960821.7/82

- sign 180.378 $\pm$ 0.027 χ^2 /NDF: 3061177.0/41

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: 3.834 ± 6.035 χ^2/NDF : 31.8/23

Right Out: -18.582 ± 9.518 χ^2/NDF : 18.4/18

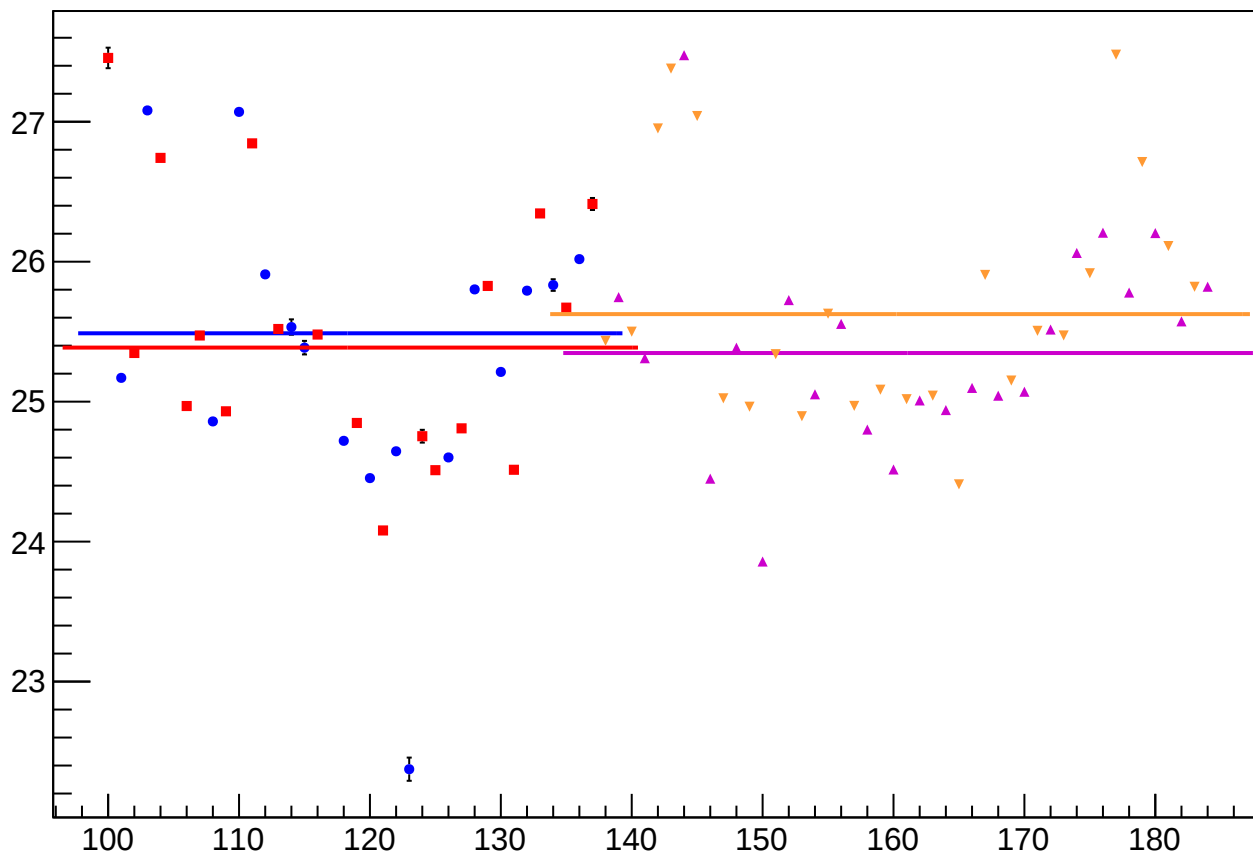
Left In: -0.641 ± 6.091 χ^2/NDF : 27.3/22

+ sign 3.112 ± 5.146 χ^2/NDF : 47.3/40

All: -1.385 ± 3.633 χ^2/NDF : 97.1/82

- sign -5.854 ± 5.131 χ^2/NDF : 48.2/41

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.488+/-0.007 χ^2/NDF : 13867.7/16

Left Out: 25.625+/-0.004 χ^2/NDF : 33320.8/23

Right Out: 25.386+/-0.007 χ^2/NDF : 13699.1/18

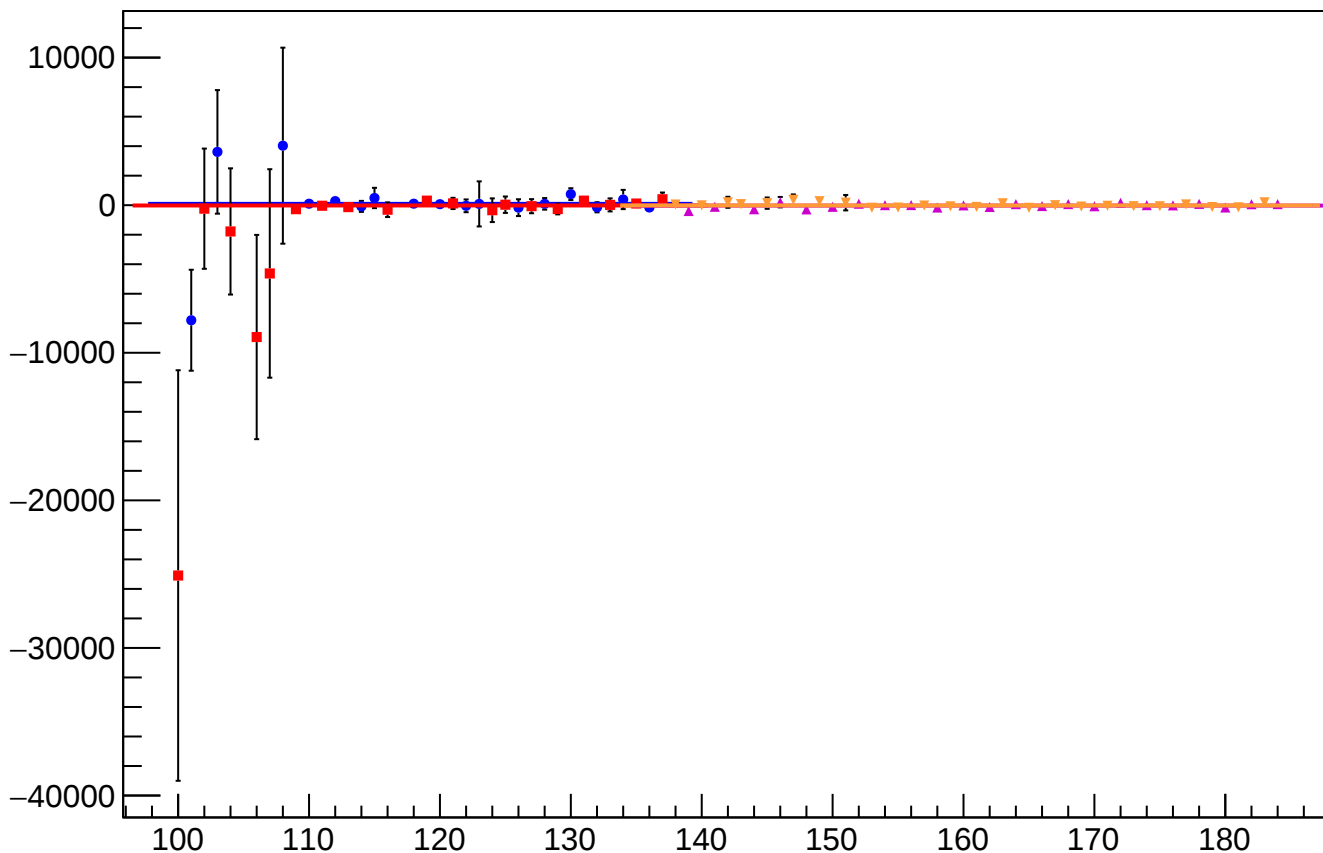
Left In: 25.347+/-0.004 χ^2/NDF : 29389.5/22

+ sign 25.588+/-0.004 χ^2/NDF : 47470.1/40

All: 25.473+/-0.003 χ^2/NDF : 92574.2/82

- sign 25.359+/-0.004 χ^2/NDF : 43112.3/41

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: -17.604 ± 48.942 χ^2/NDF : 7.2/23

Right Out: -18.864 ± 80.923 χ^2/NDF : 12.0/18

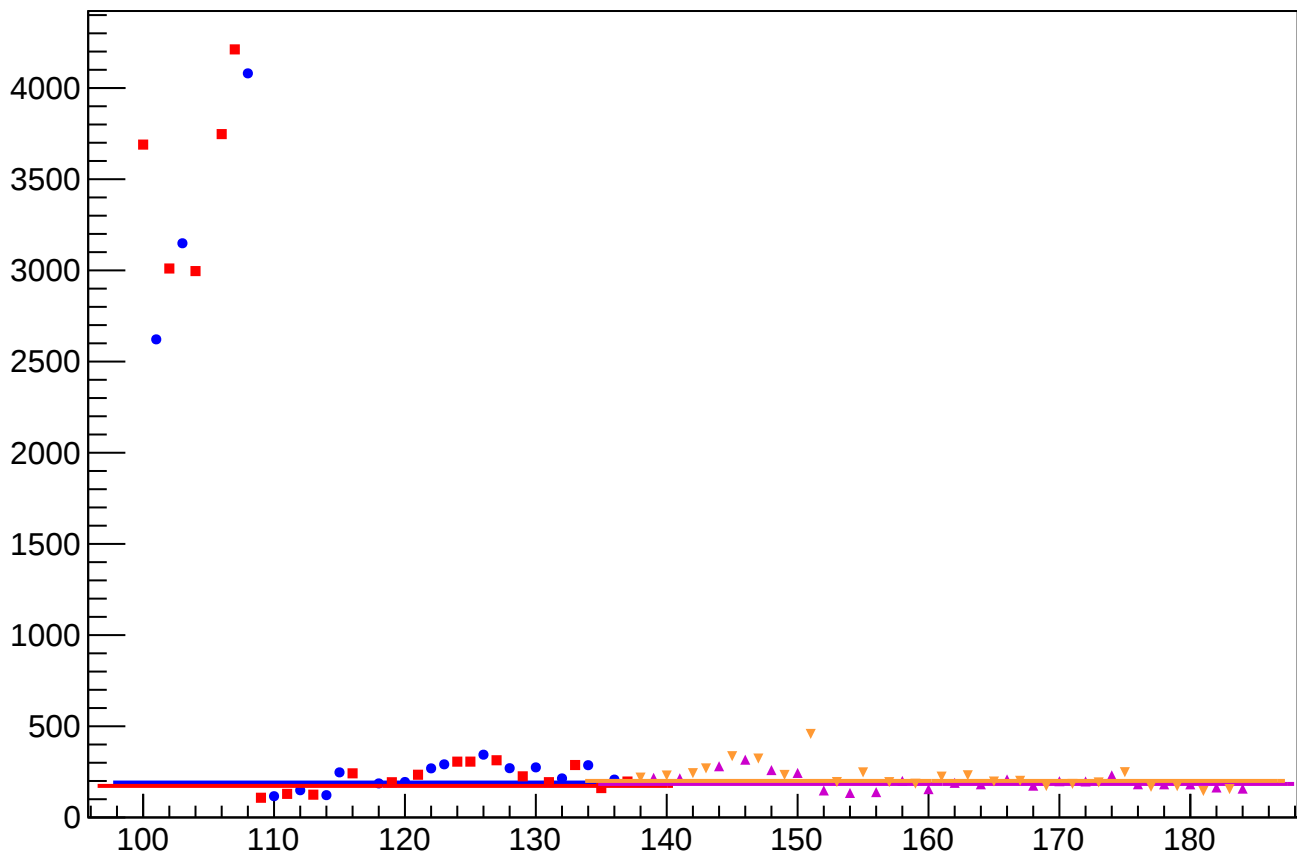
Left In: -27.098 ± 45.999 χ^2/NDF : 7.2/22

+ sign 7.670 ± 42.763 χ^2/NDF : 20.8/40

All: -9.805 ± 29.208 χ^2/NDF : 40.3/82

- sign -25.087 ± 39.990 χ^2/NDF : 19.2/41

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: 200.372+/-0.035 χ^2/NDF : 1818451.8/23

Right Out: 173.068+/-0.057 χ^2/NDF : 4201509.7/18

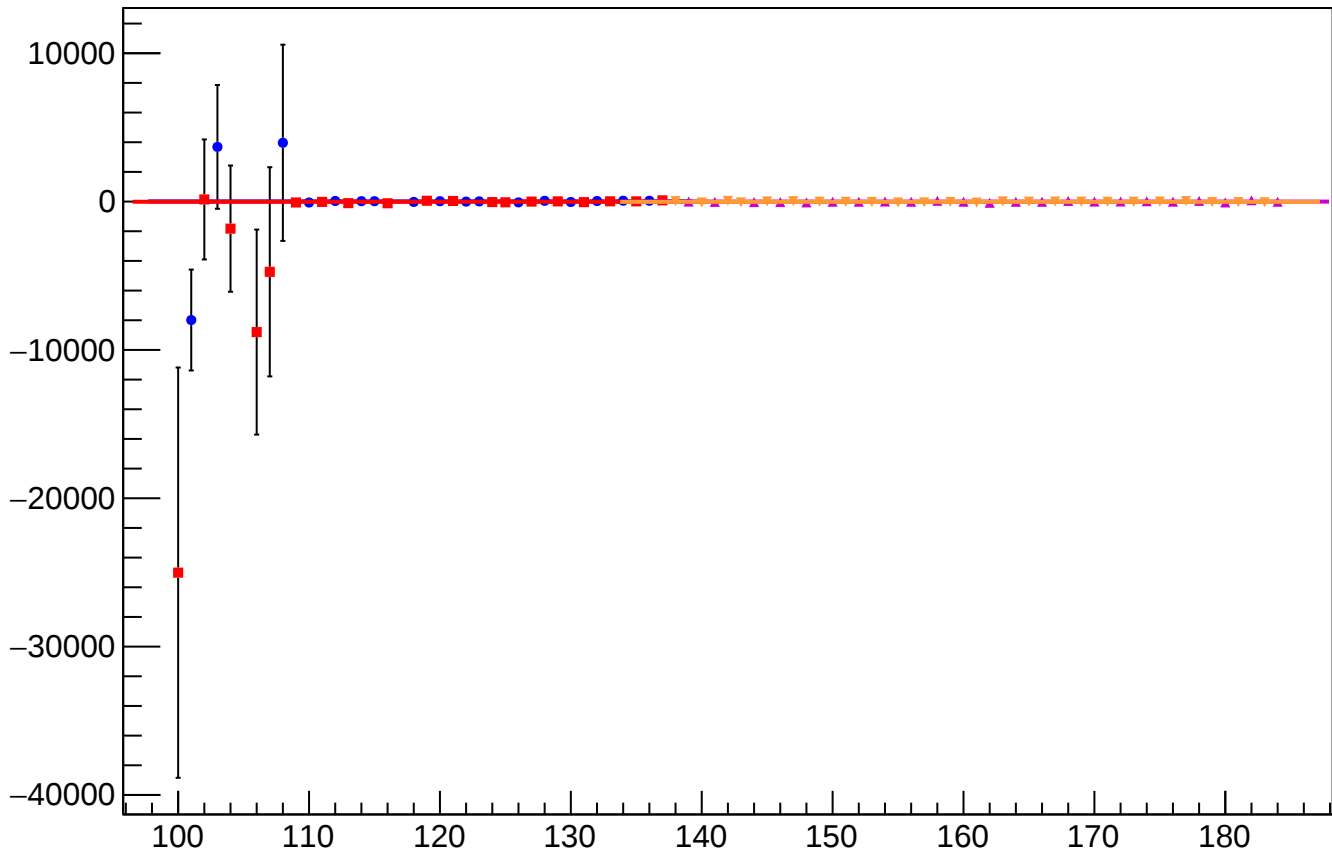
Left In: 183.805+/-0.033 χ^2/NDF : 1412869.6/22

+ sign 198.255+/-0.030 χ^2/NDF : 5407828.2/40

All: 189.147+/-0.021 χ^2/NDF : 11218858.0/82

- sign 181.183+/-0.028 χ^2/NDF : 5640988.2/41

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: -17.226 $\pm$ 6.764 χ^2 /NDF:20.7/23

Right Out: -11.883 $\pm$ 12.264 χ^2 /NDF: 23.9/18

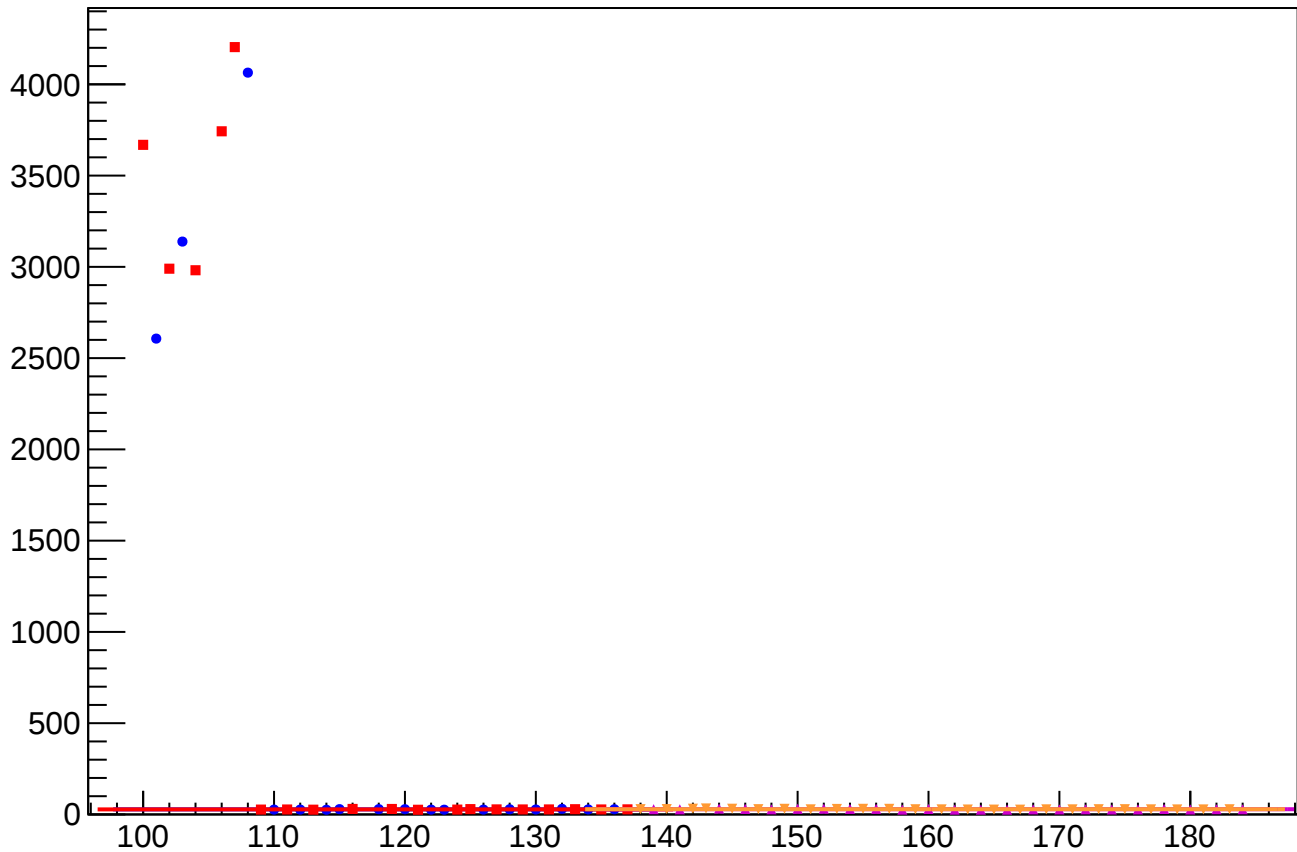
Left In: -1.267 $\pm$ 6.908 χ^2 /NDF:32.0/22

+ sign -10.504 $\pm$ 5.919 χ^2 /NDF: 43.2/40

All: -7.220 $\pm$ 4.220 χ^2 /NDF: 100.3/82

- sign -3.824 $\pm$ 6.019 χ^2 /NDF: 56.5/41

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: 28.674 $\pm$ 0.005 χ^2 /NDF: 104973.8/23

Right Out: 27.714 $\pm$ 0.009 χ^2 /NDF: 3476894.0/18

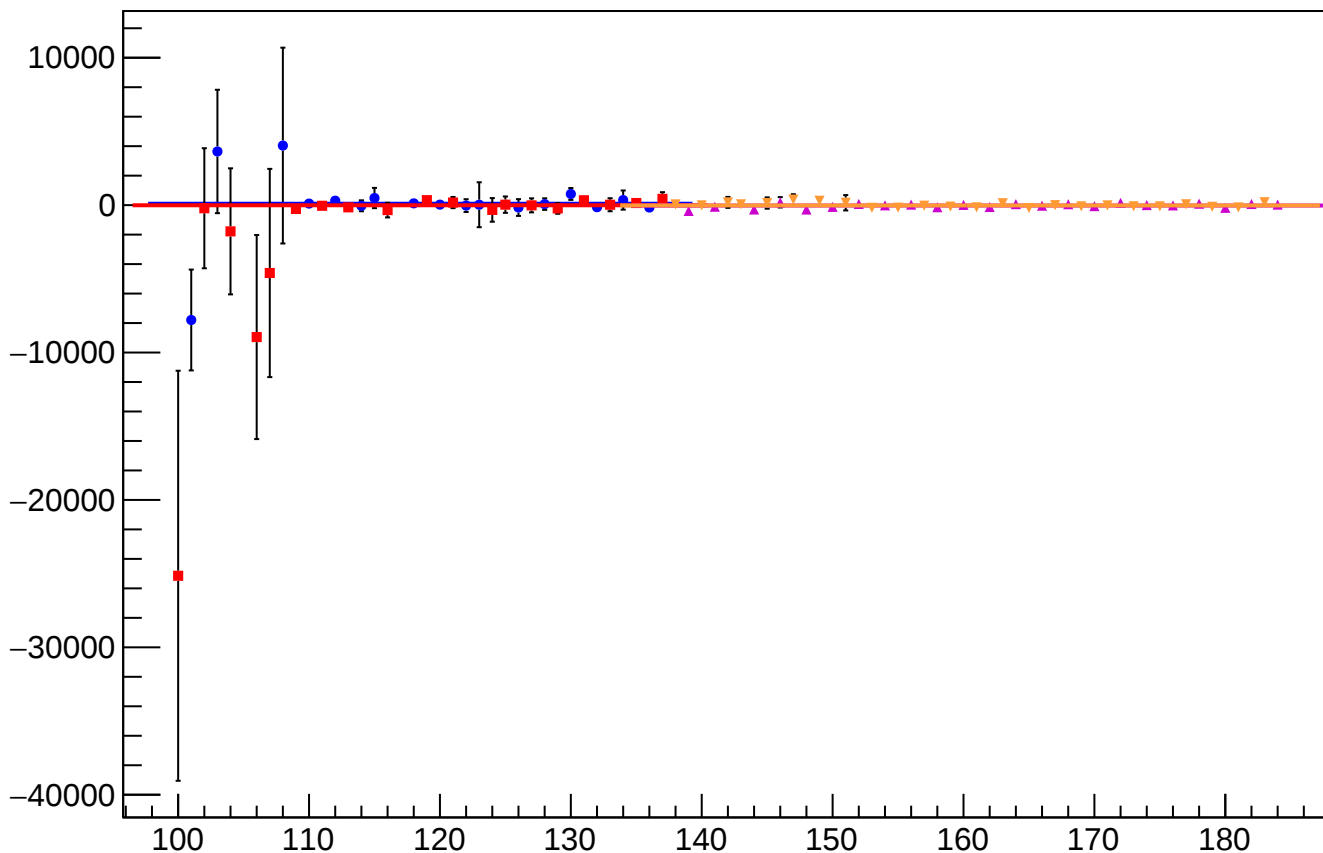
Left In: 28.677 $\pm$ 0.005 χ^2 /NDF: 123814.4/22

+ sign 28.483 $\pm$ 0.004 χ^2 /NDF: 3138745.5/40

All: 28.464 $\pm$ 0.003 χ^2 /NDF: 6748856.2/82

- sign 28.445 $\pm$ 0.004 χ^2 /NDF: 3610070.1/41

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 93.805 $\pm$ 87.646 χ^2 /NDF: 12.7/16

Left Out: -20.107 $\pm$ 48.833 χ^2 /NDF: 8.0/23

Right Out: -9.116 $\pm$ 80.662 χ^2 /NDF: 12.8/18

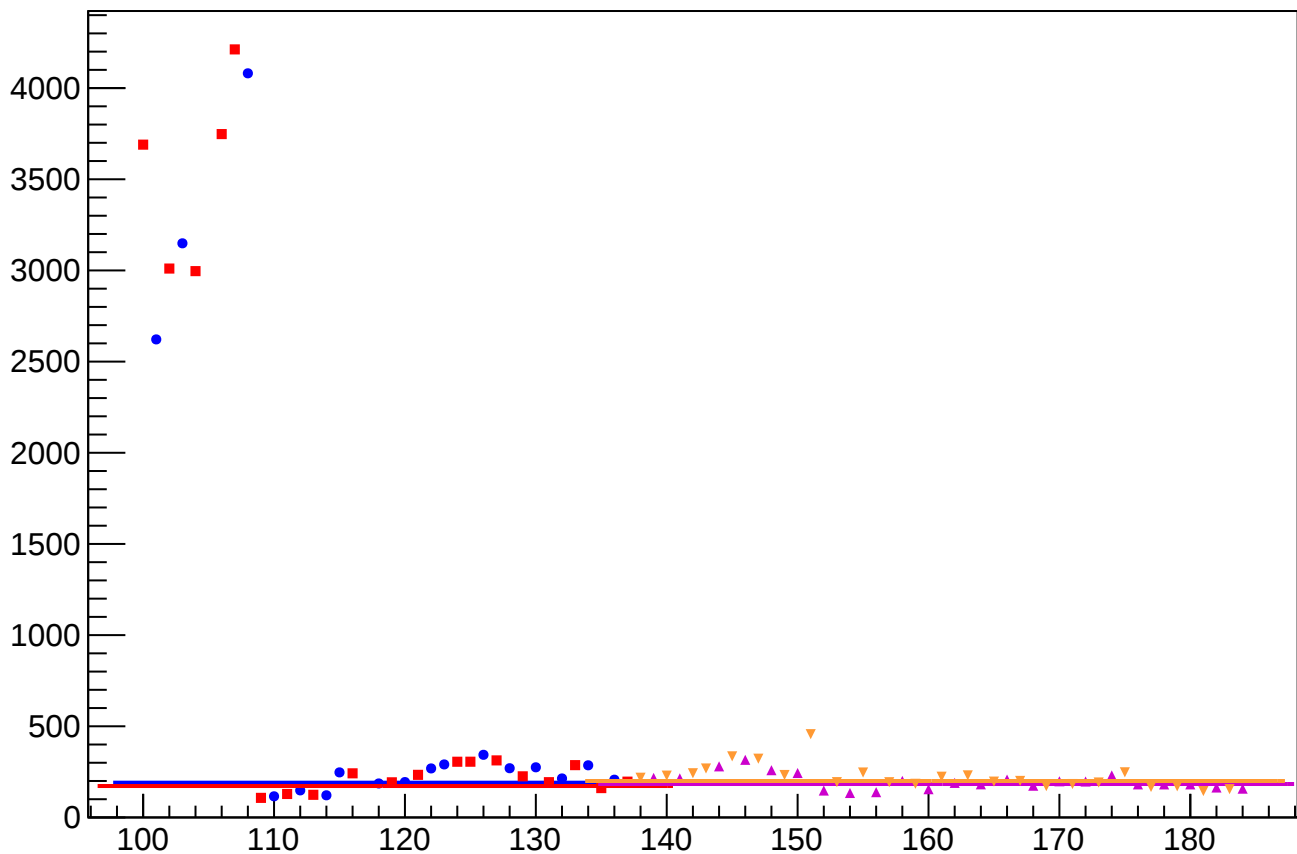
Left In: -27.286 $\pm$ 45.907 χ^2 /NDF: 7.5/22

+ sign 6.877 $\pm$ 42.658 χ^2 /NDF: 21.9/40

All: -8.974 $\pm$ 29.139 χ^2 /NDF: 42.5/82

- sign -22.841 $\pm$ 39.898 χ^2 /NDF: 20.3/41

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: 199.925 $\pm$ 0.035 χ^2 /NDF: 1818408.8/23

Right Out: 172.402 $\pm$ 0.057 χ^2 /NDF: 4212674.3/18

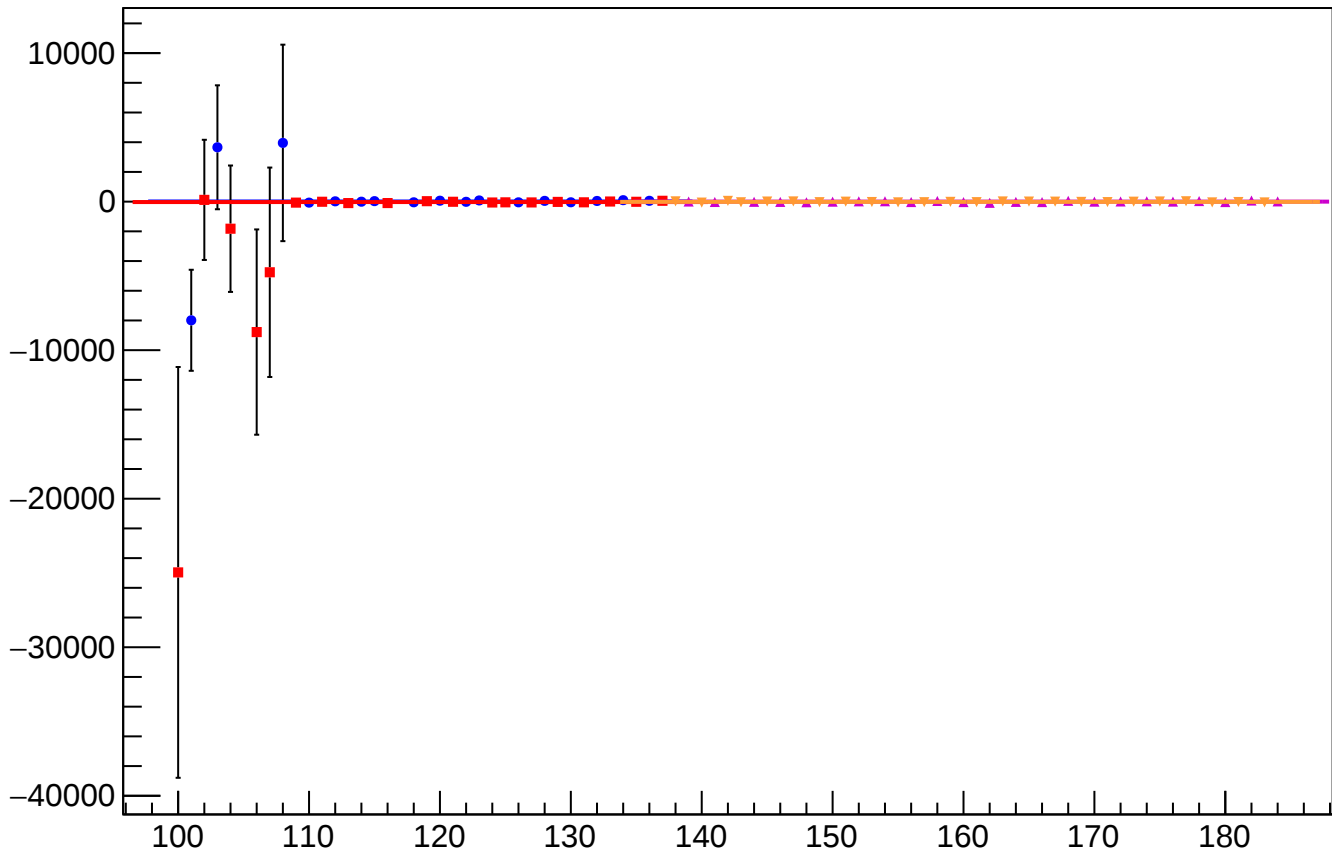
Left In: 183.442 $\pm$ 0.032 χ^2 /NDF: 1412341.8/22

+ sign 197.743 $\pm$ 0.030 χ^2 /NDF: 5420679.5/40

All: 188.674 $\pm$ 0.021 χ^2 /NDF: 11243457.6/82

- sign 180.741 $\pm$ 0.028 χ^2 /NDF: 5653311.4/41

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: -15.039 $\pm$ 6.794 χ^2 /NDF:15.8/23

Right Out: -28.414 $\pm$ 12.365 χ^2 /NDF: 16.2/18

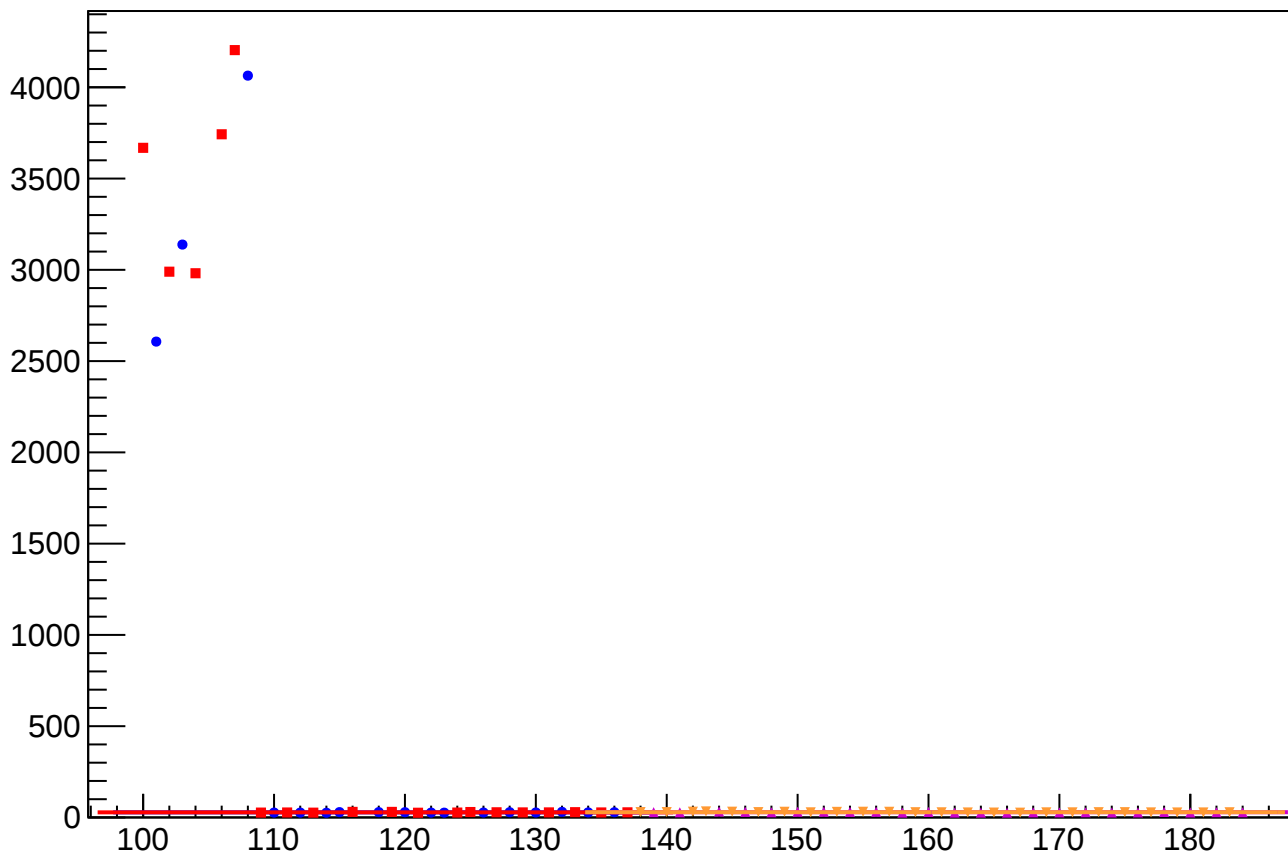
Left In: 0.498 $\pm$ 6.937 χ^2 /NDF:26.1/22

+ sign -9.312 $\pm$ 5.948 χ^2 /NDF: 41.3/40

All: -7.892 $\pm$ 4.241 χ^2 /NDF: 87.9/82

- sign -6.424 $\pm$ 6.050 χ^2 /NDF: 46.5/41

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: 28.796 $\pm$ 0.005 χ^2 /NDF: 116344.8/23

Right Out: 27.934 $\pm$ 0.009 χ^2 /NDF: 3479779.2/18

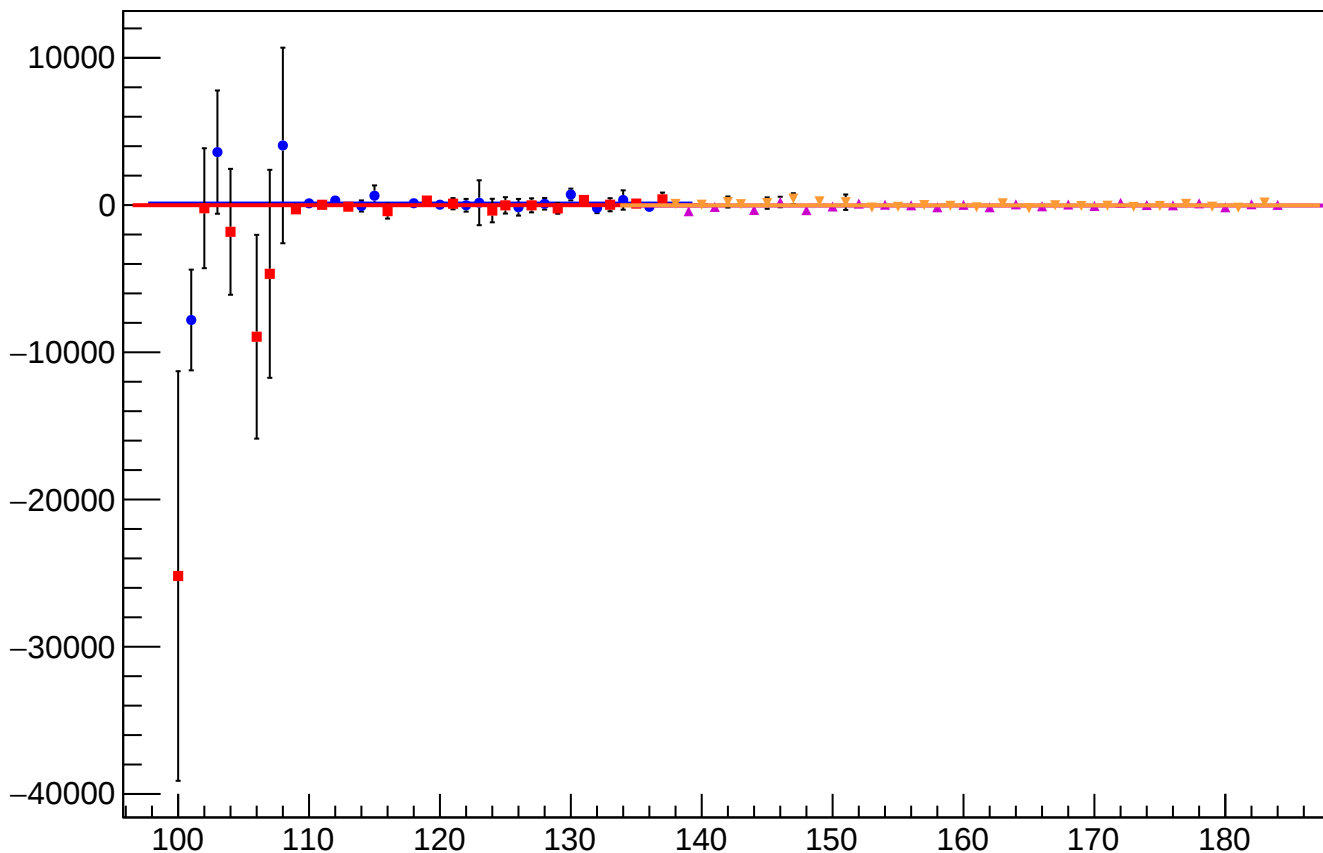
Left In: 28.797 $\pm$ 0.005 χ^2 /NDF: 128279.2/22

+ sign 28.620 $\pm$ 0.004 χ^2 /NDF: 3149428.6/40

All: 28.606 $\pm$ 0.003 χ^2 /NDF: 6764918.8/82

- sign 28.591 $\pm$ 0.004 χ^2 /NDF: 3615466.4/41

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: -17.548 $\pm$ 49.414 χ^2 /NDF: 7.9/23

Right Out: -7.957 $\pm$ 81.751 χ^2 /NDF: 12.3/18

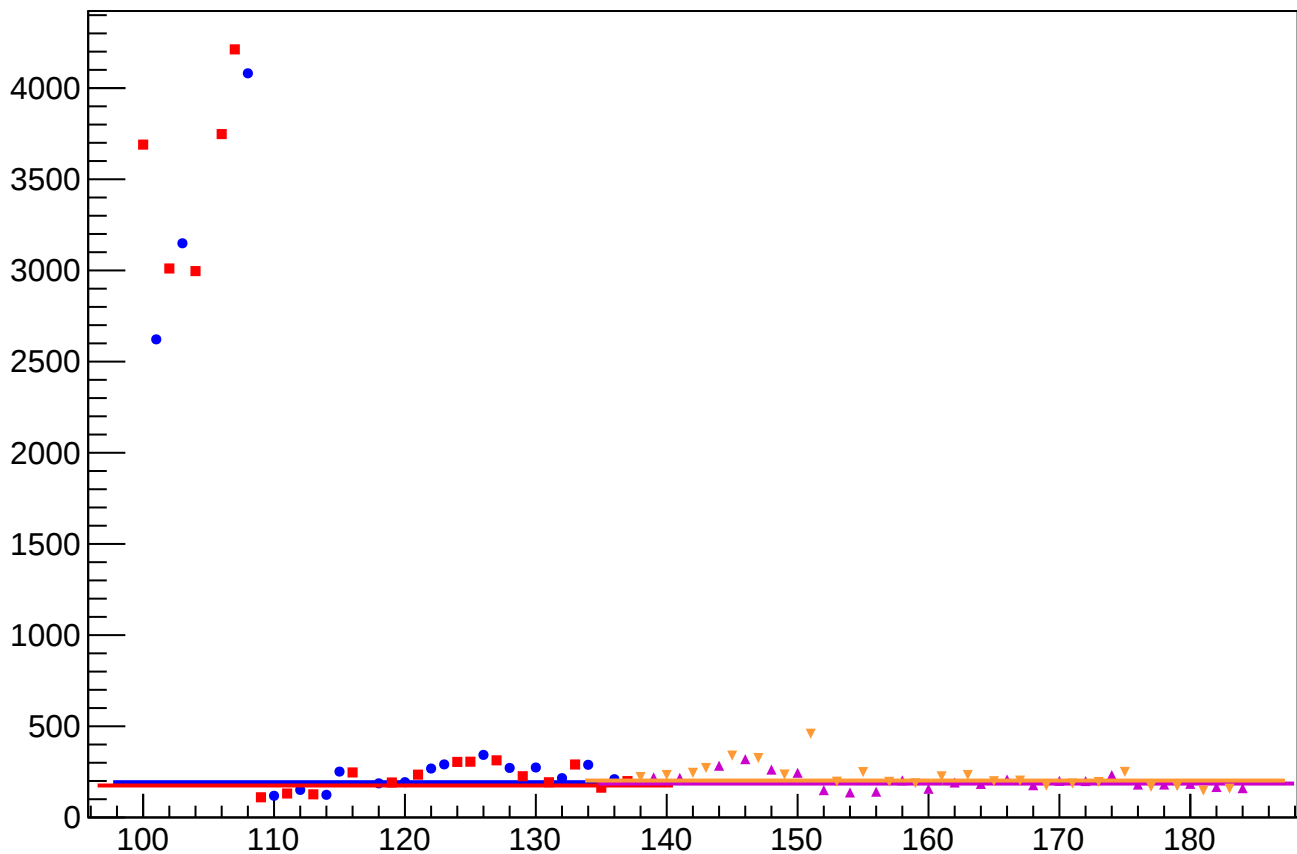
Left In: -31.477 $\pm$ 46.483 χ^2 /NDF: 7.8/22

+ sign 10.678 $\pm$ 43.166 χ^2 /NDF: 21.8/40

All: -8.727 $\pm$ 29.499 χ^2 /NDF: 42.3/82

- sign -25.731 $\pm$ 40.408 χ^2 /NDF: 20.2/41

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: 202.413+/-0.035 χ^2/NDF : 1797615.9/23

Right Out: 175.281+/-0.058 χ^2/NDF : 4160209.8/18

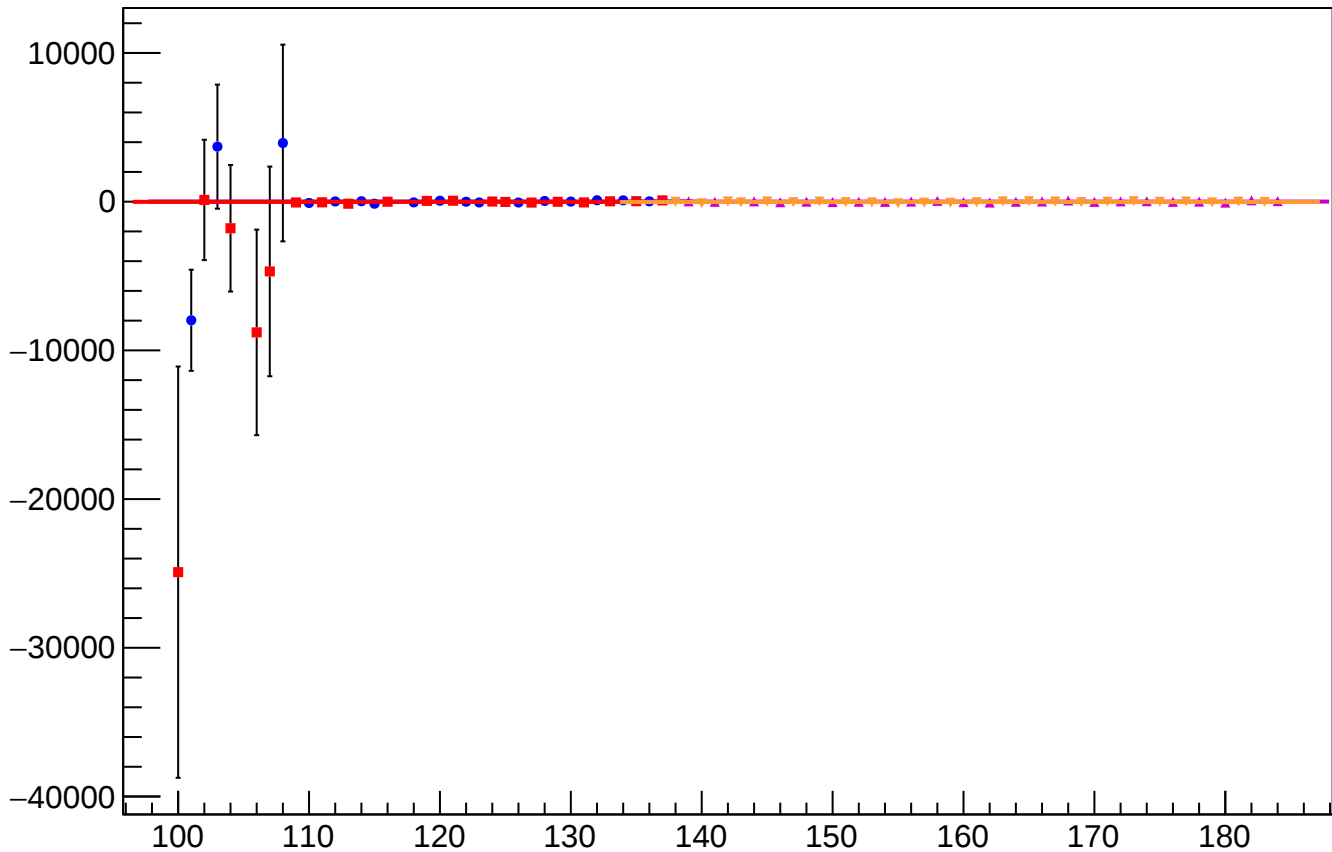
Left In: 185.878+/-0.033 χ^2/NDF : 1380877.6/22

+ sign 200.283+/-0.031 χ^2/NDF : 5351551.2/40

All: 191.226+/-0.021 χ^2/NDF : 11083230.1/82

- sign 183.289+/-0.029 χ^2/NDF : 5566483.7/41

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: -24.408 $\pm$ 8.148 χ^2 /NDF:22.8/23

Right Out: -11.632 $\pm$ 14.990 χ^2 /NDF: 21.2/18

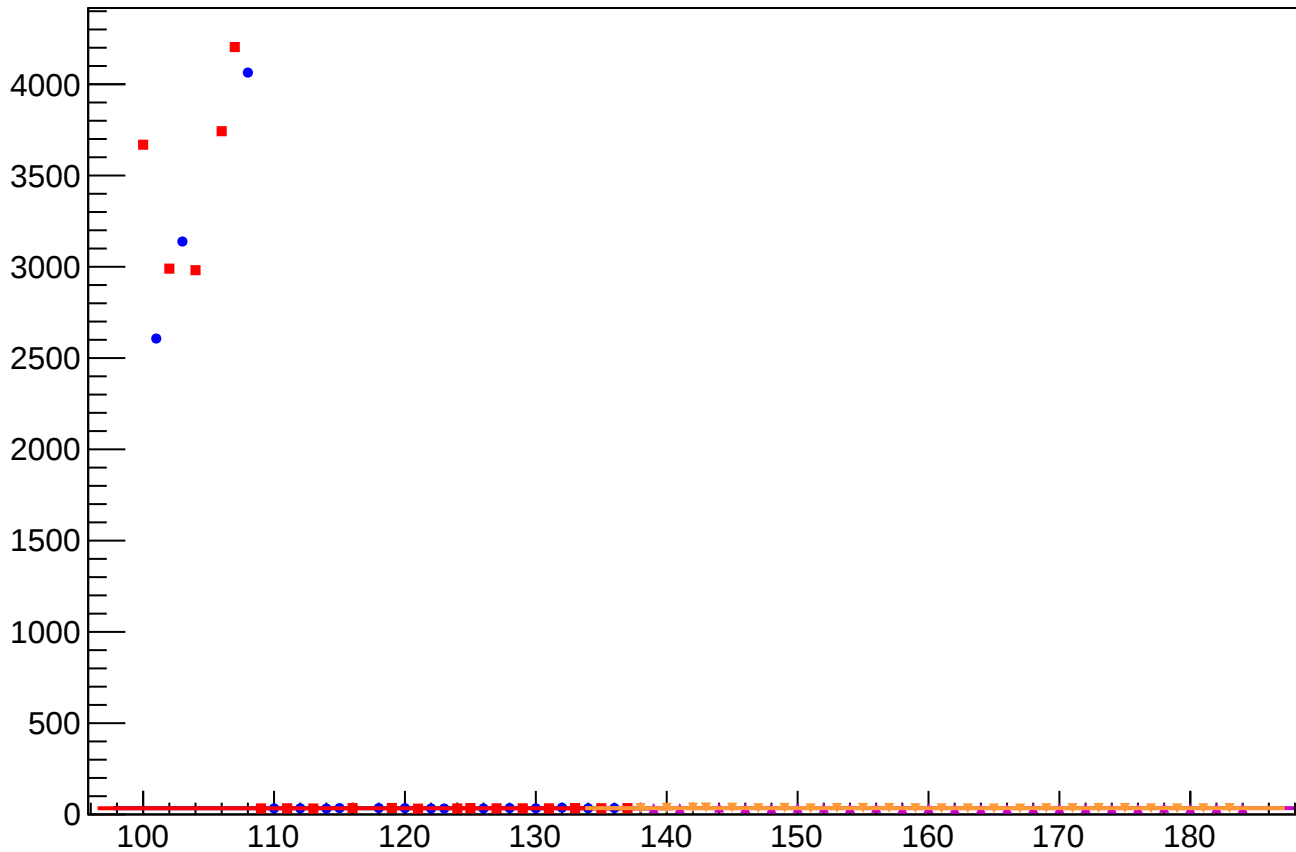
Left In: 5.924 $\pm$ 8.340 χ^2 /NDF:21.0/22

+ sign -17.427 $\pm$ 7.158 χ^2 /NDF: 46.1/40

All: -7.999 $\pm$ 5.107 χ^2 /NDF: 92.9/82

- sign 1.774 $\pm$ 7.288 χ^2 /NDF: 43.2/41

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: 34.587 $\pm$ 0.006 χ^2 /NDF: 54204.8/23

Right Out: 33.933 $\pm$ 0.011 χ^2 /NDF: 3451992.5/18

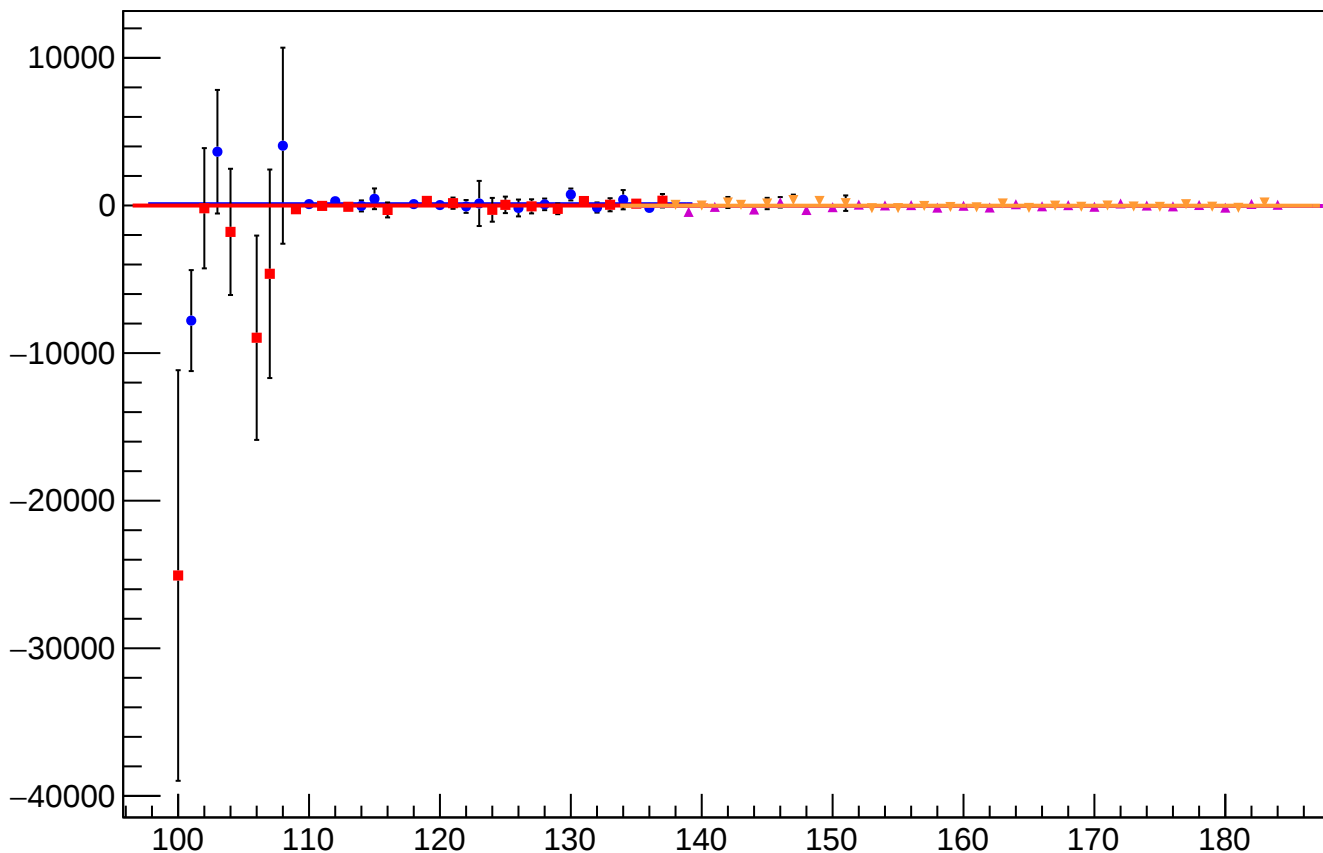
Left In: 34.682 $\pm$ 0.006 χ^2 /NDF: 59834.3/22

+ sign 34.492 $\pm$ 0.005 χ^2 /NDF: 3061536.7/40

All: 34.498 $\pm$ 0.004 χ^2 /NDF: 6577180.4/82

- sign 34.505 $\pm$ 0.005 χ^2 /NDF: 3515640.3/41

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: -14.038 $\pm$ 49.345 χ^2 /NDF: 7.8/23

Right Out: -3.827 $\pm$ 81.231 χ^2 /NDF: 11.1/18

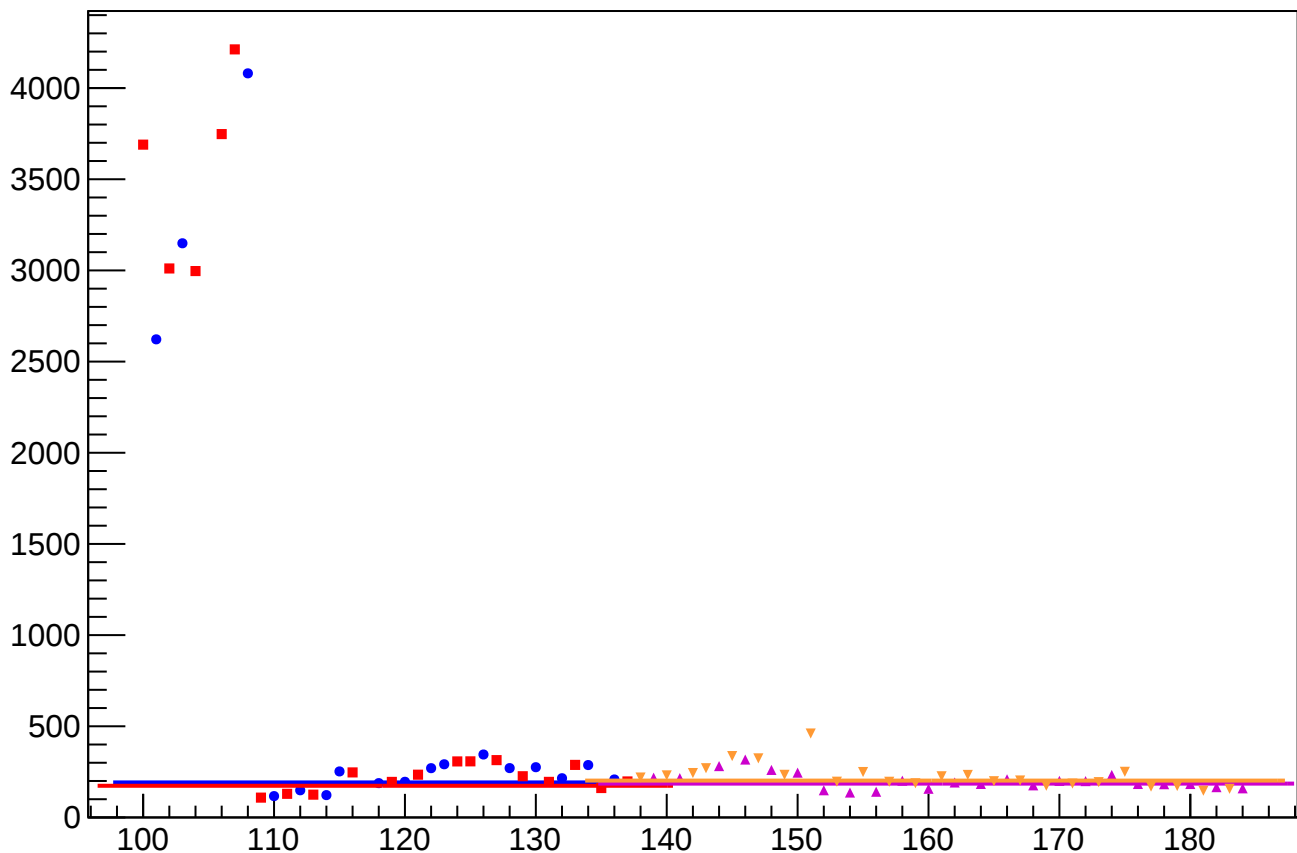
Left In: -34.977 $\pm$ 46.421 χ^2 /NDF: 7.1/22

+ sign 9.963 $\pm$ 43.068 χ^2 /NDF: 21.3/40

All: -9.908 $\pm$ 29.428 χ^2 /NDF: 40.0/82

- sign -27.309 $\pm$ 40.304 χ^2 /NDF: 18.3/41

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: 202.132+/-0.035 χ^2/NDF : 1790032.7/23

Right Out: 173.728+/-0.057 χ^2/NDF : 4205626.6/18

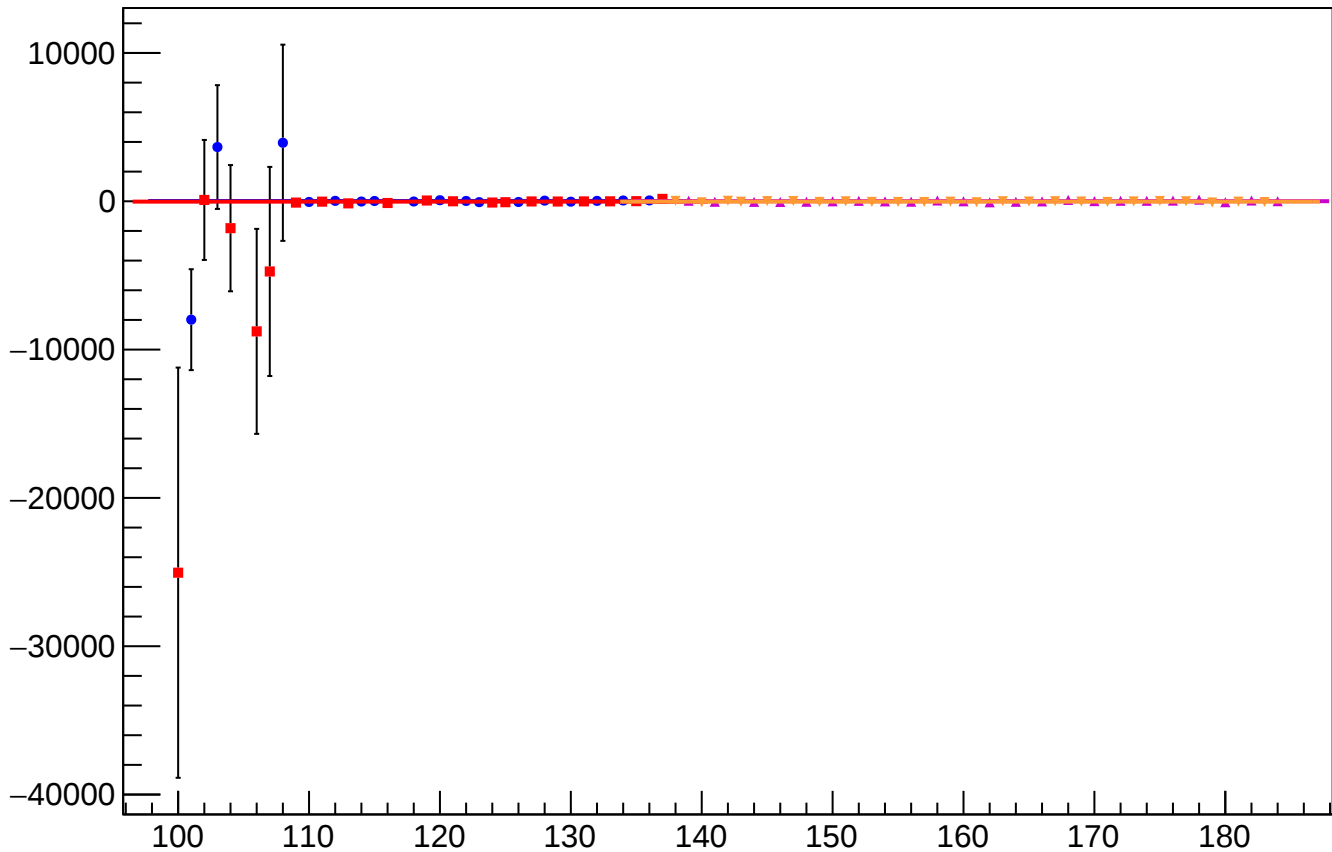
Left In: 185.627+/-0.033 χ^2/NDF : 1371411.2/22

+ sign 199.746+/-0.030 χ^2/NDF : 5384963.0/40

All: 190.657+/-0.021 χ^2/NDF : 11161422.8/82

- sign 182.698+/-0.028 χ^2/NDF : 5609391.8/41

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: -22.257+/-7.416 χ^2/NDF :17.4/23

Right Out: -22.859+/-13.697 χ^2/NDF : 27.3/18

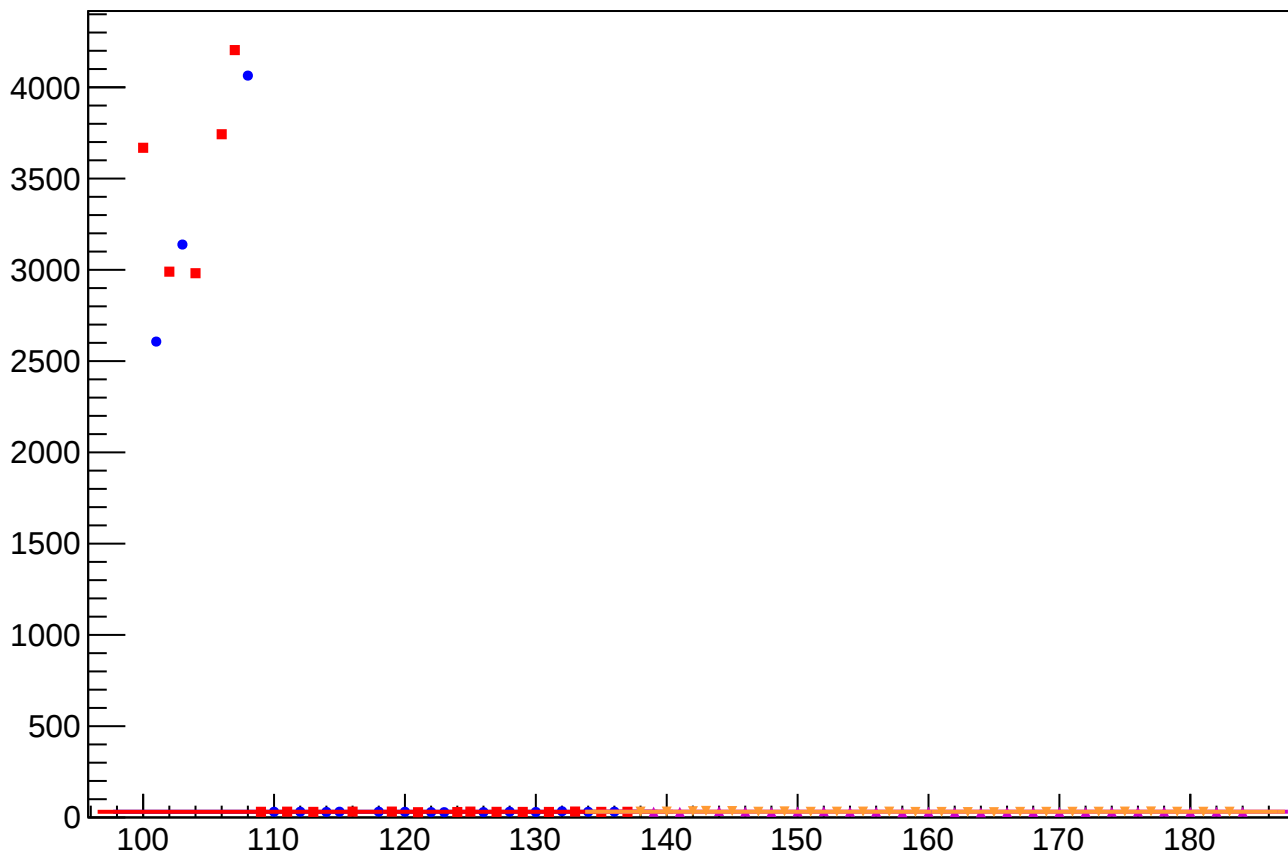
Left In: 6.386+/-7.577 χ^2/NDF :38.7/22

+ sign -13.954+/-6.518 χ^2/NDF : 37.7/40

All: -7.325+/-4.648 χ^2/NDF : 109.4/82

- sign -0.467+/-6.630 χ^2/NDF : 69.6/41

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: 31.459 $\pm$ 0.005 χ^2 /NDF: 76941.0/23

Right Out: 30.985 $\pm$ 0.010 χ^2 /NDF: 3458900.0/18

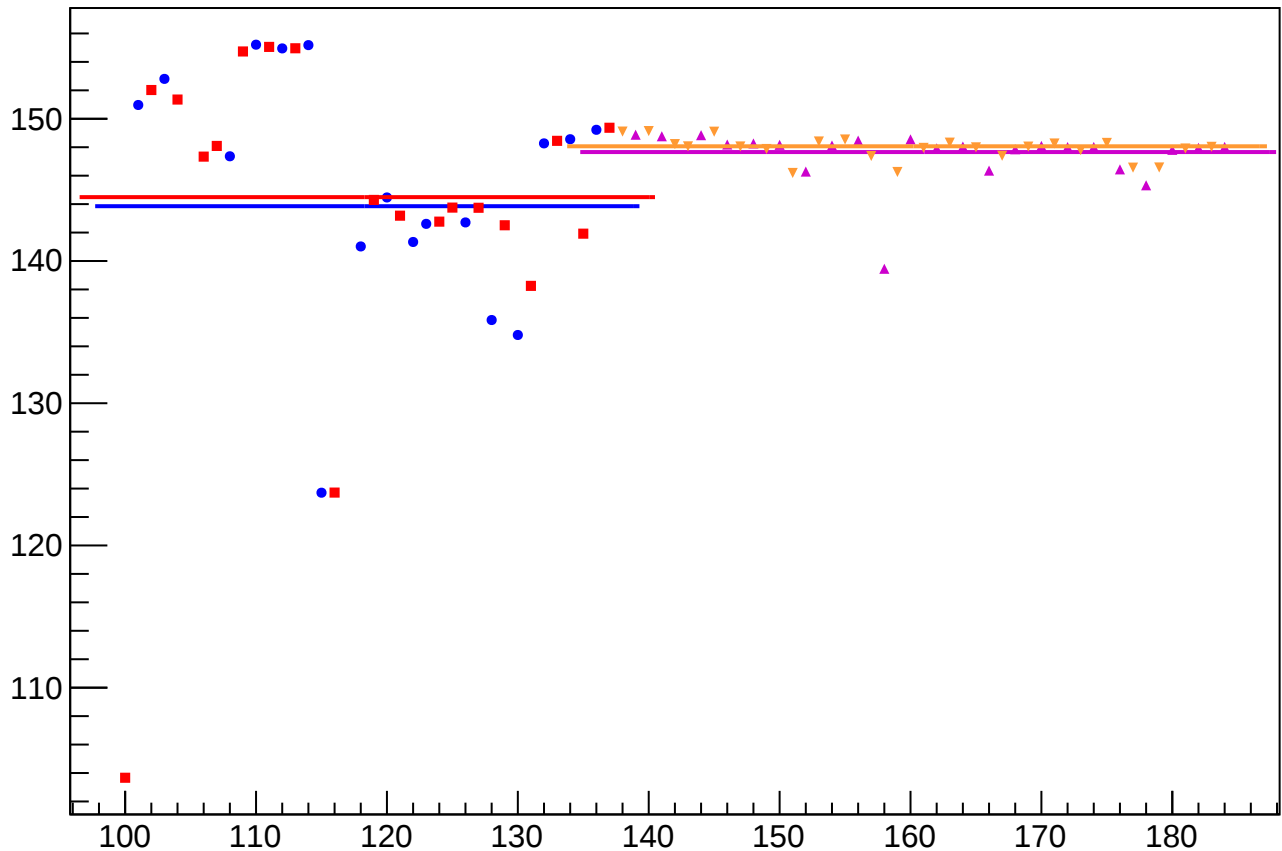
Left In: 31.475 $\pm$ 0.005 χ^2 /NDF: 87797.5/22

+ sign 31.390 $\pm$ 0.005 χ^2 /NDF: 3091857.6/40

All: 31.376 $\pm$ 0.003 χ^2 /NDF: 6640539.1/82

- sign 31.360 $\pm$ 0.005 χ^2 /NDF: 3548661.1/41

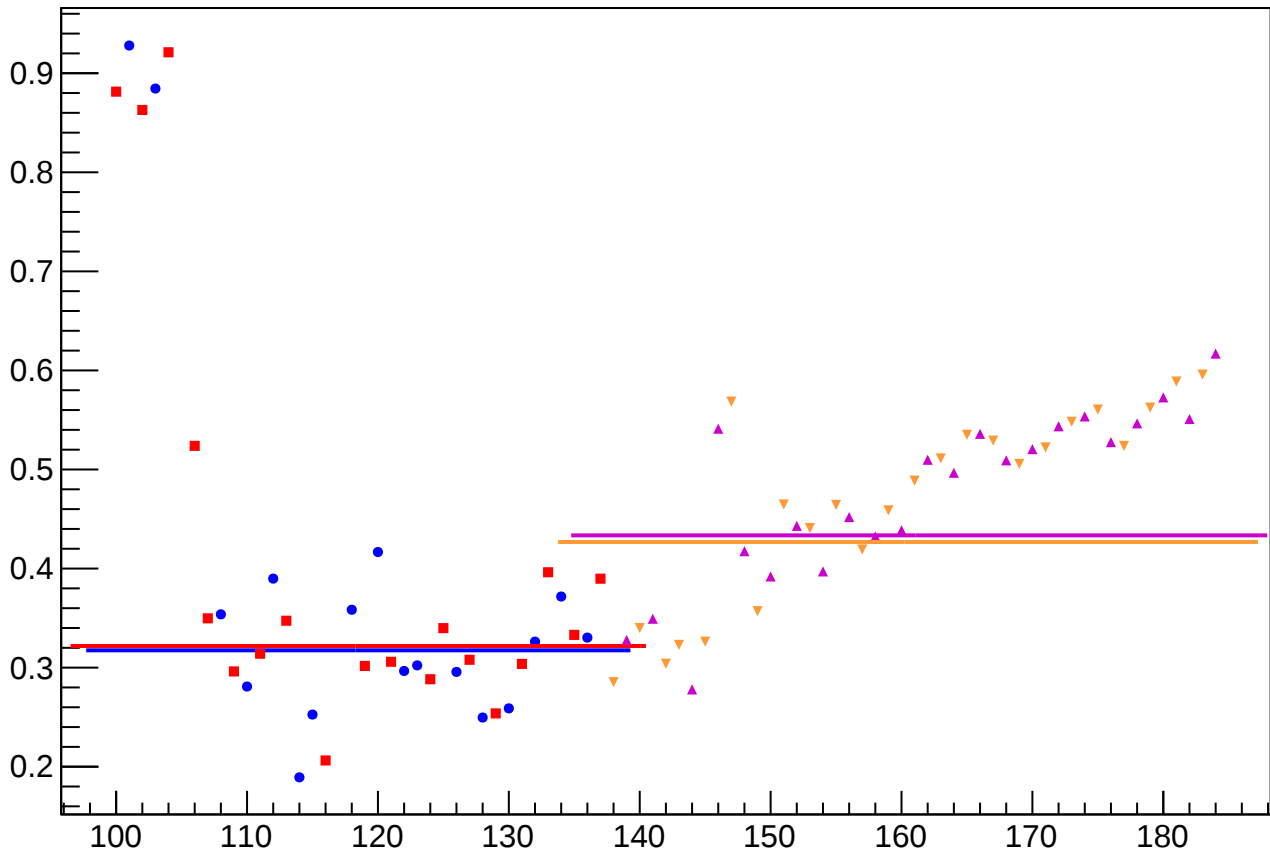
yield_bcm_an_ds_mean vs Slug



Right In: 143.854 ± 0.000 χ^2/NDF : 3448306444.5/16
 Left Out: 148.066 ± 0.000 χ^2/NDF : 65575702.8/23
 Right Out: 144.491 ± 0.000 χ^2/NDF : 4184461794.3/18
 Left In: 147.660 ± 0.000 χ^2/NDF : 343892338.9/22

+ sign 146.476 ± 0.000 χ^2/NDF : 4124207074.7/40
 All: 146.440 ± 0.000 χ^2/NDF : 8994974496.6
 - sign 146.404 ± 0.000 χ^2/NDF : 4870386555.2/41

yield_bcm_an_ds_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1273243.2/16

Left Out: 0.427 ± 0.000 χ^2/NDF : 1827265.9/23

Right Out: 0.322 ± 0.000 χ^2/NDF : 1215219.2/18

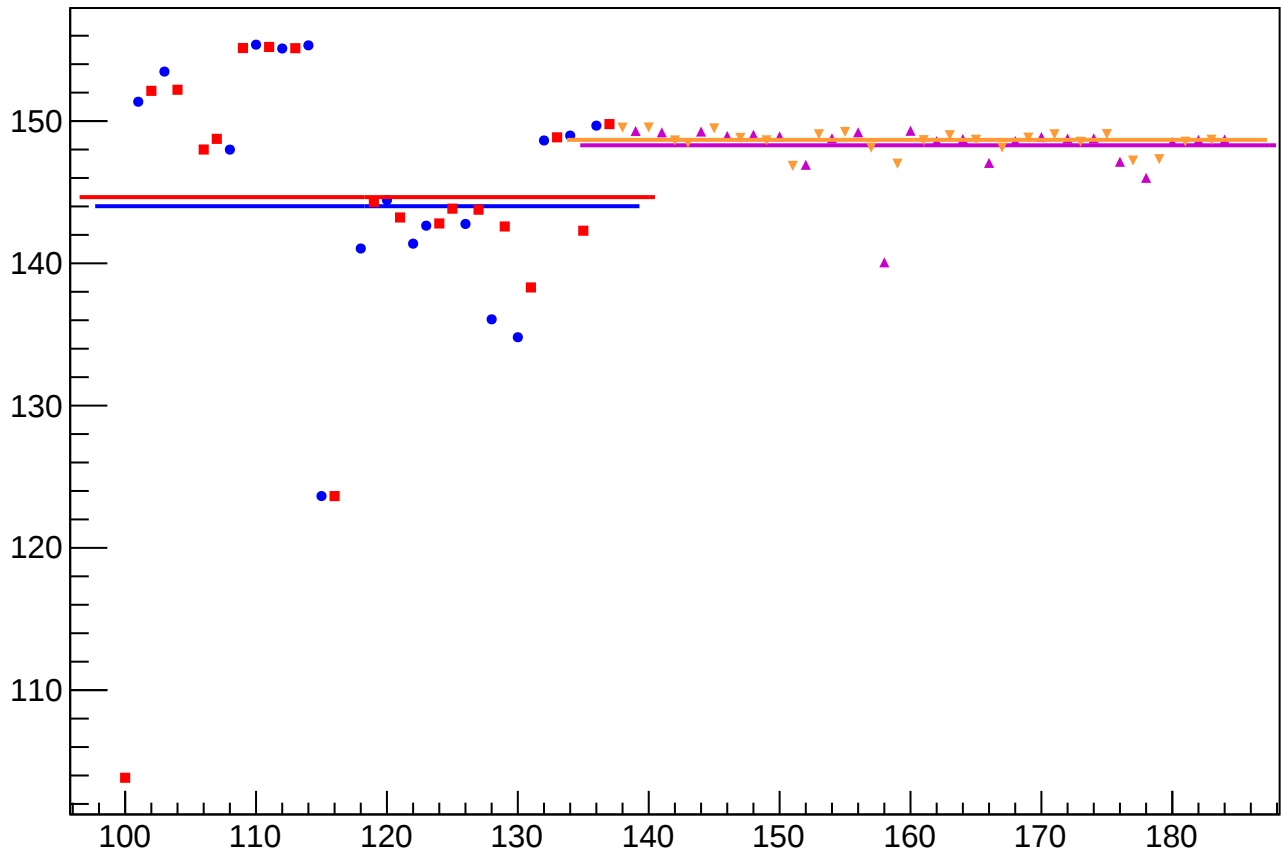
Left In: 0.434 ± 0.000 χ^2/NDF : 1479367.0/22

+ sign 0.386 ± 0.000 χ^2/NDF : 3923633.6/40

All: 0.387 ± 0.000 χ^2/NDF : 7469057.3/82

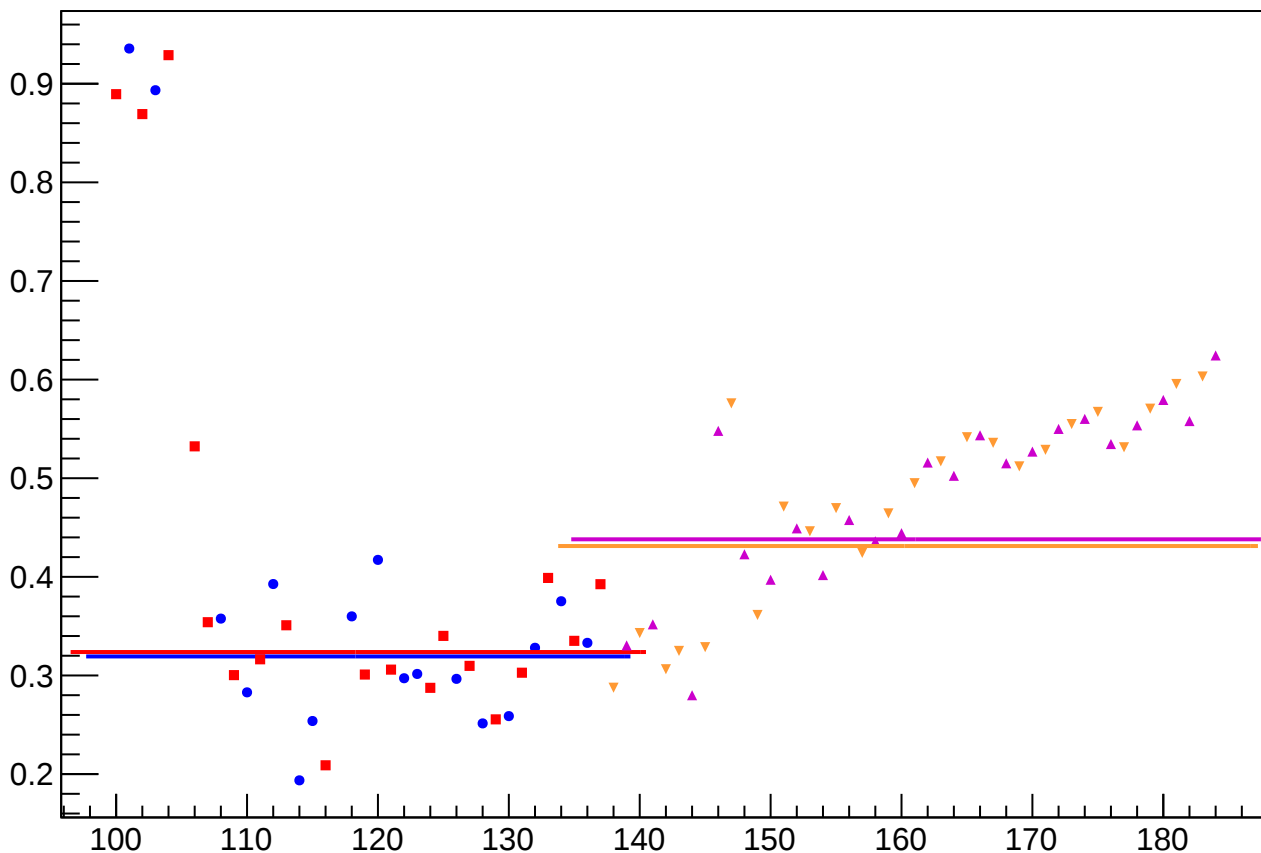
- sign 0.389 ± 0.000 χ^2/NDF : 3543478.6/41

yield_bcm_an_ds3_mean vs Slug



Right In: 144.016 $\pm$ 0.000	χ^2 /NDF: 3492221319.5/16	+ sign 146.909 $\pm$ 0.000	χ^2 /NDF: 4281678145.4/40
Left Out: 148.680 $\pm$ 0.000	χ^2 /NDF: 52514352.4/23	All: 146.877 $\pm$ 0.000	χ^2 /NDF: 9268025914.1
Right Out: 144.655 $\pm$ 0.000	χ^2 /NDF: 4208783732.4/18	- sign 146.845 $\pm$ 0.000	χ^2 /NDF: 4986056370.4/41
Left In: 148.298 $\pm$ 0.000	χ^2 /NDF: 332527463.6/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.319+/-0.000 χ^2/NDF : 1274809.7/16

Left Out: 0.431+/-0.000 χ^2/NDF : 1858437.8/23

Right Out: 0.324+/-0.000 χ^2/NDF : 1217547.6/18

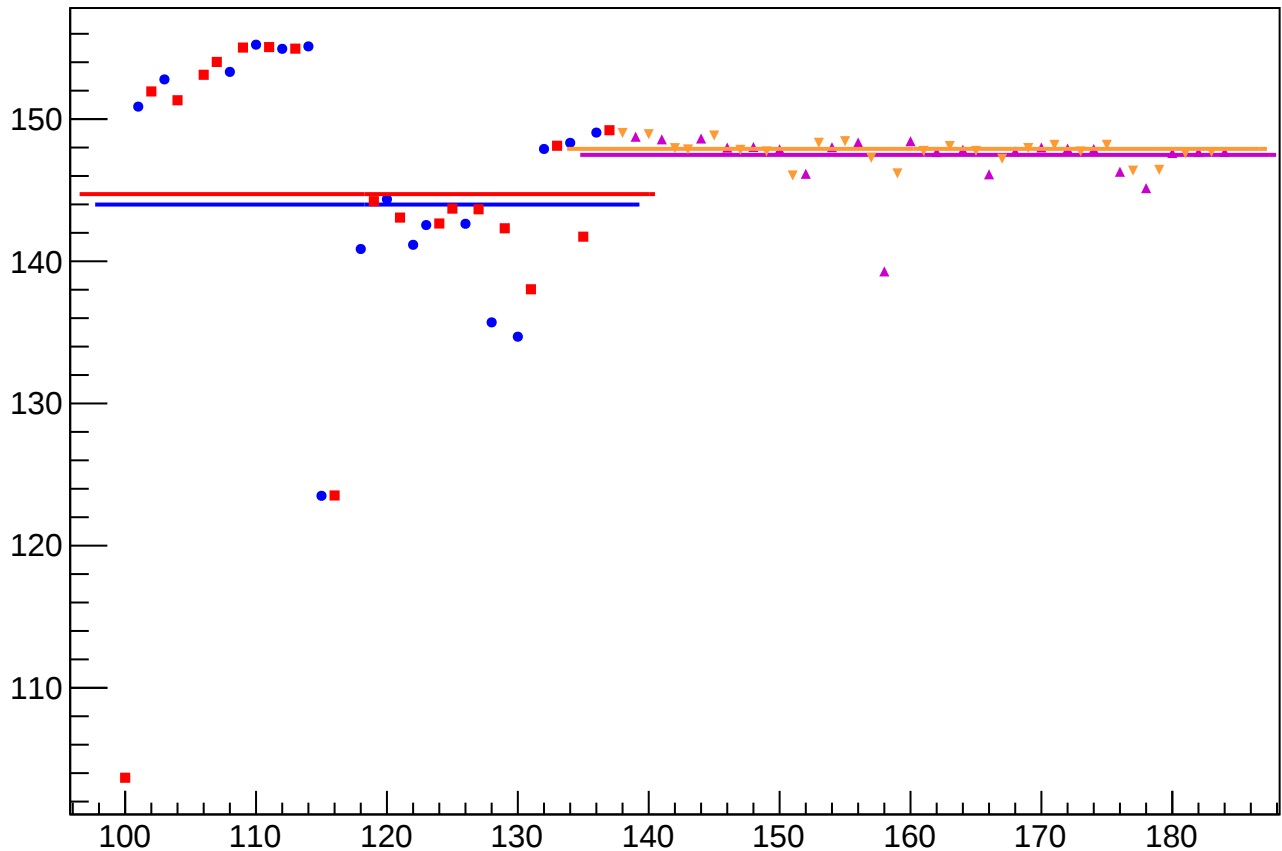
Left In: 0.438+/-0.000 χ^2/NDF : 1504635.6/22

+ sign 0.389+/-0.000 χ^2/NDF : 3982388.9/40

All: 0.391+/-0.000 χ^2/NDF : 7581932.0/82

- sign 0.392+/-0.000 χ^2/NDF : 3597557.6/41

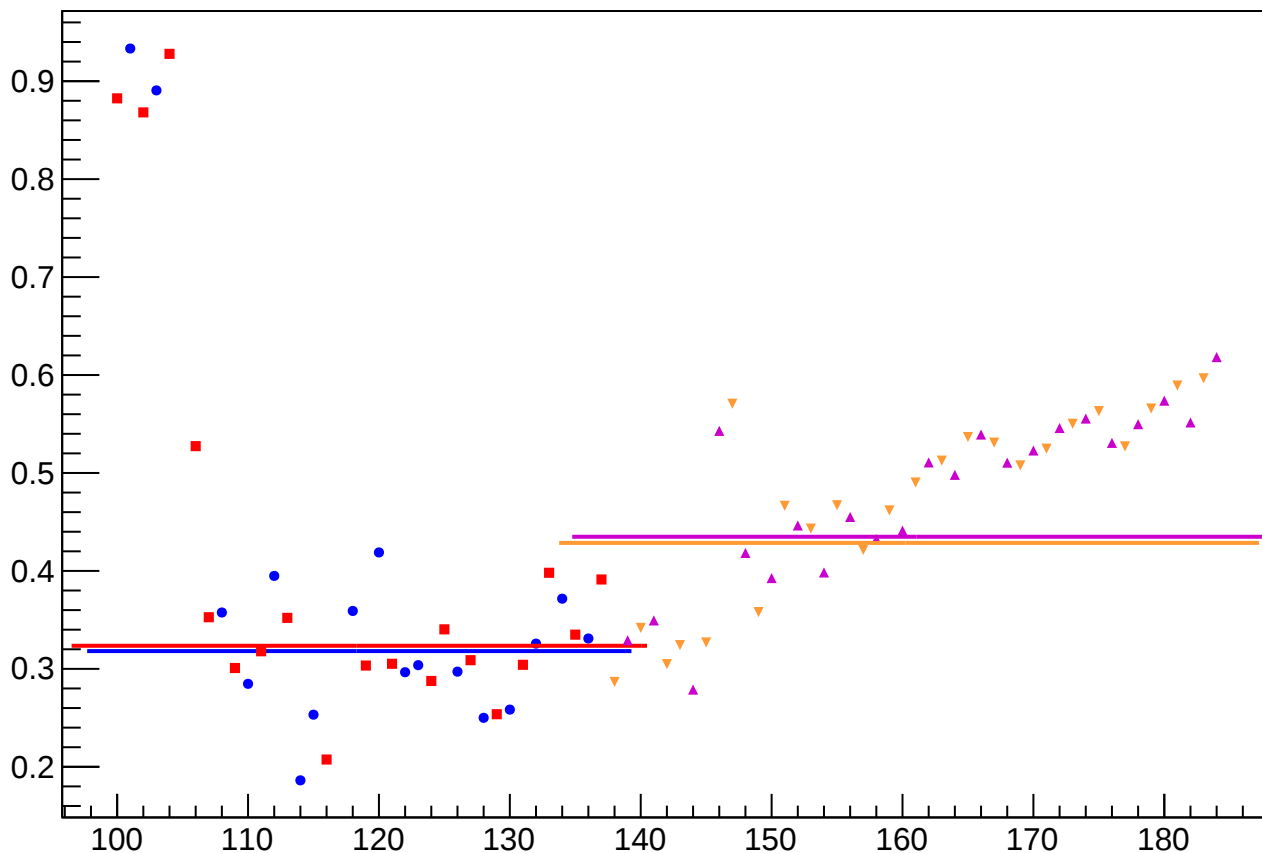
yield_bcm_an_us_mean vs Slug



Right In: 143.990 ± 0.000 χ^2/NDF : 3661758828.8/16
 Left Out: 147.906 ± 0.000 χ^2/NDF : 64355656.9/23
 Right Out: 144.724 ± 0.000 χ^2/NDF : 4474261871.8/18
 Left In: 147.483 ± 0.000 χ^2/NDF : 342674720.4/22

+ sign 146.426 ± 0.000 χ^2/NDF : 4249986087.6/40
 All: 146.409 ± 0.000 χ^2/NDF : 9323925242.7
 - sign 146.392 ± 0.000 χ^2/NDF : 5073858785.5/41

yield_bcm_an_us_rms vs Slug



Right In: 0.318 $\pm$ 0.000 χ^2 /NDF: 1287972.7/16

Left Out: 0.429 $\pm$ 0.000 χ^2 /NDF: 1827400.6/23

Right Out: 0.324 $\pm$ 0.000 χ^2 /NDF: 1220104.3/18

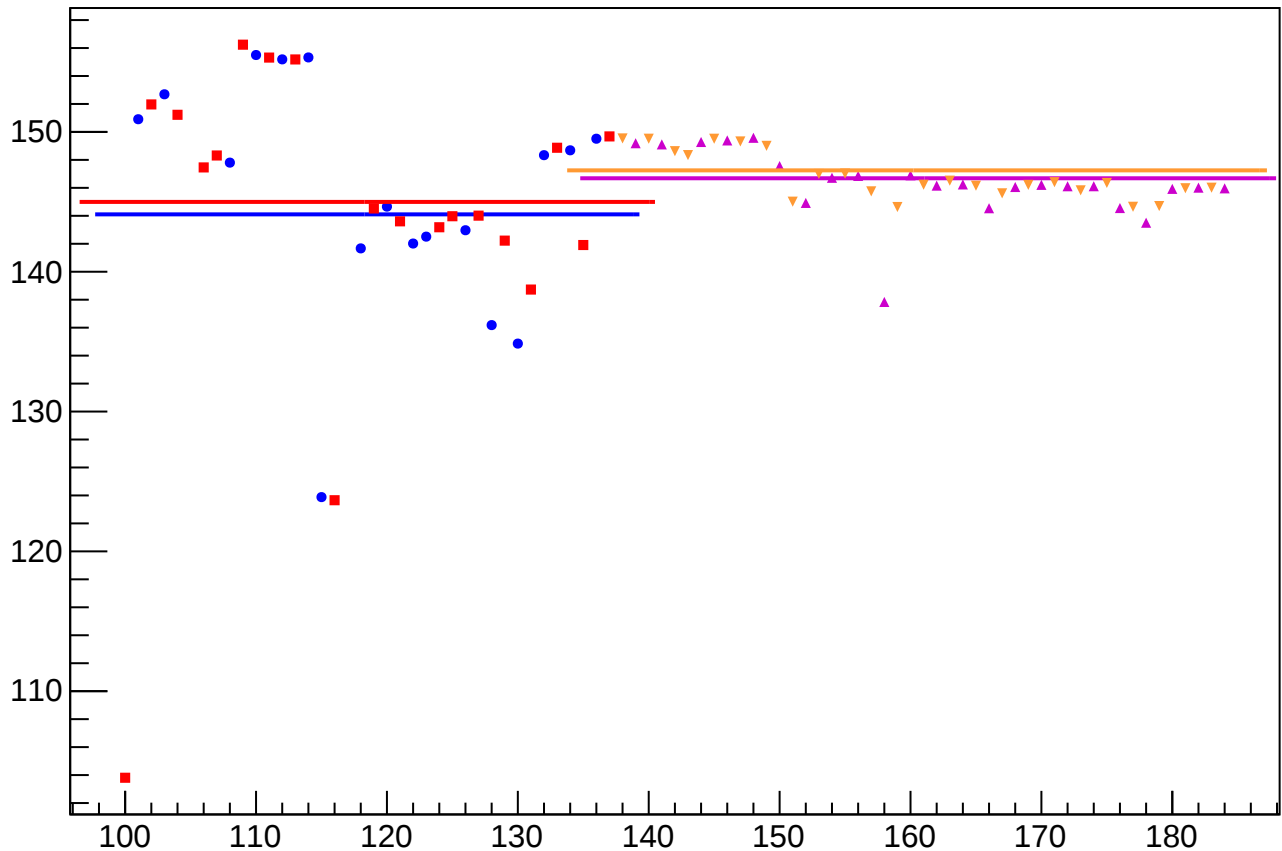
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF: 1485915.1/22

+ sign 0.387 $\pm$ 0.000 χ^2 /NDF: 3949240.3/40

All: 0.389 $\pm$ 0.000 χ^2 /NDF: 7493482.0/82

- sign 0.391 $\pm$ 0.000 χ^2 /NDF: 3541951.5/41

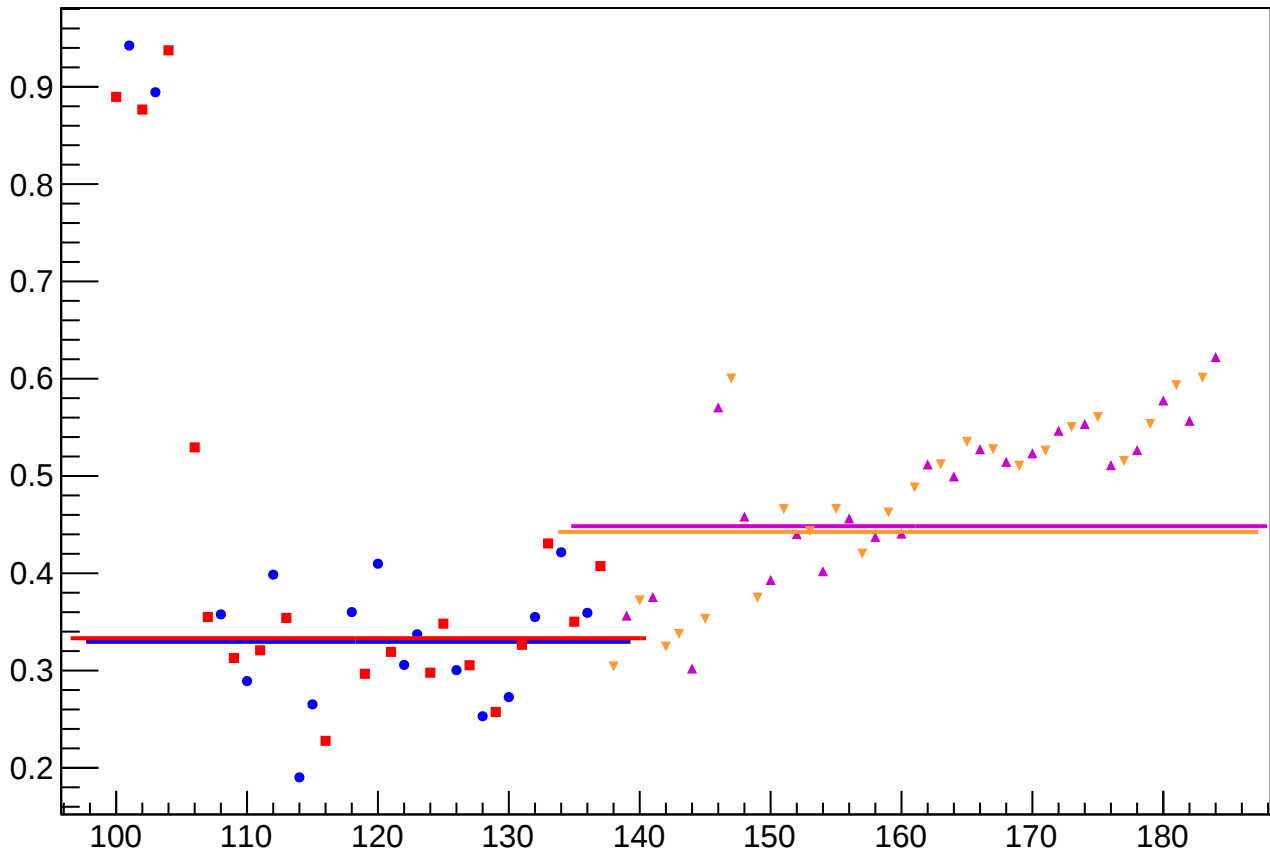
yield_bcm_dg_us_mean vs Slug



Right In: 144.104 ± 0.000 χ^2/NDF : 3160280337.5/16
 Left Out: 147.251 ± 0.000 χ^2/NDF : 258466988.0/23
 Right Out: 144.995 ± 0.000 χ^2/NDF : 3854490205.5/18
 Left In: 146.685 ± 0.000 χ^2/NDF : 554922388.0/22

+ sign 146.075 ± 0.000 χ^2/NDF : 3735524239.4/40
 All: 146.048 ± 0.000 χ^2/NDF : 8236259456.7
 - sign 146.020 ± 0.000 χ^2/NDF : 4500531033.5/41

yield_bcm_dg_us_rms vs Slug



Right In: 0.330 ± 0.000 χ^2/NDF : 1270354.0/16

Left Out: 0.443 ± 0.000 χ^2/NDF : 1427769.8/23

Right Out: 0.333 ± 0.000 χ^2/NDF : 1179001.1/18

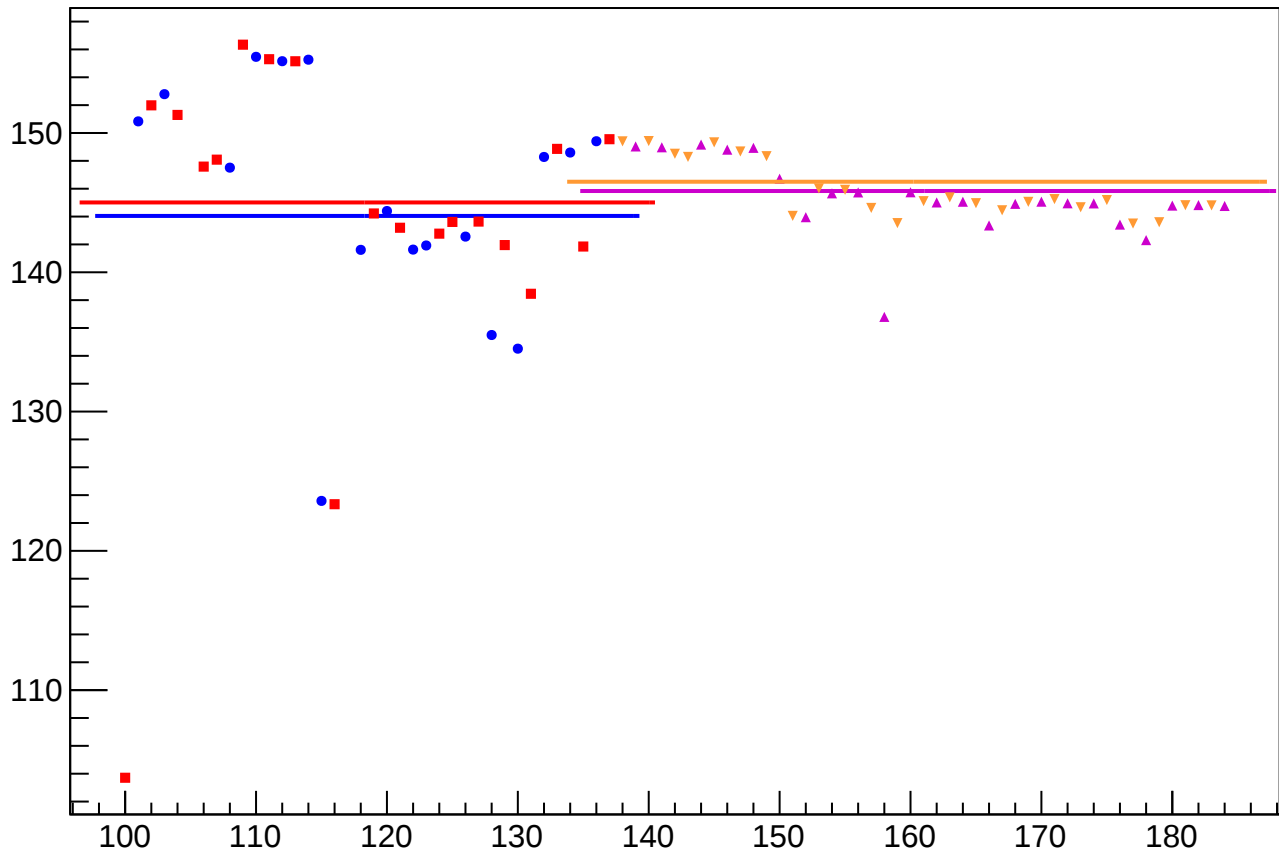
Left In: 0.448 ± 0.000 χ^2/NDF : 1120261.8/22

+ sign 0.400 ± 0.000 χ^2/NDF : 3514346.9/40

All: 0.402 ± 0.000 χ^2/NDF : 6660407.5/82

- sign 0.403 ± 0.000 χ^2/NDF : 3145019.0/41

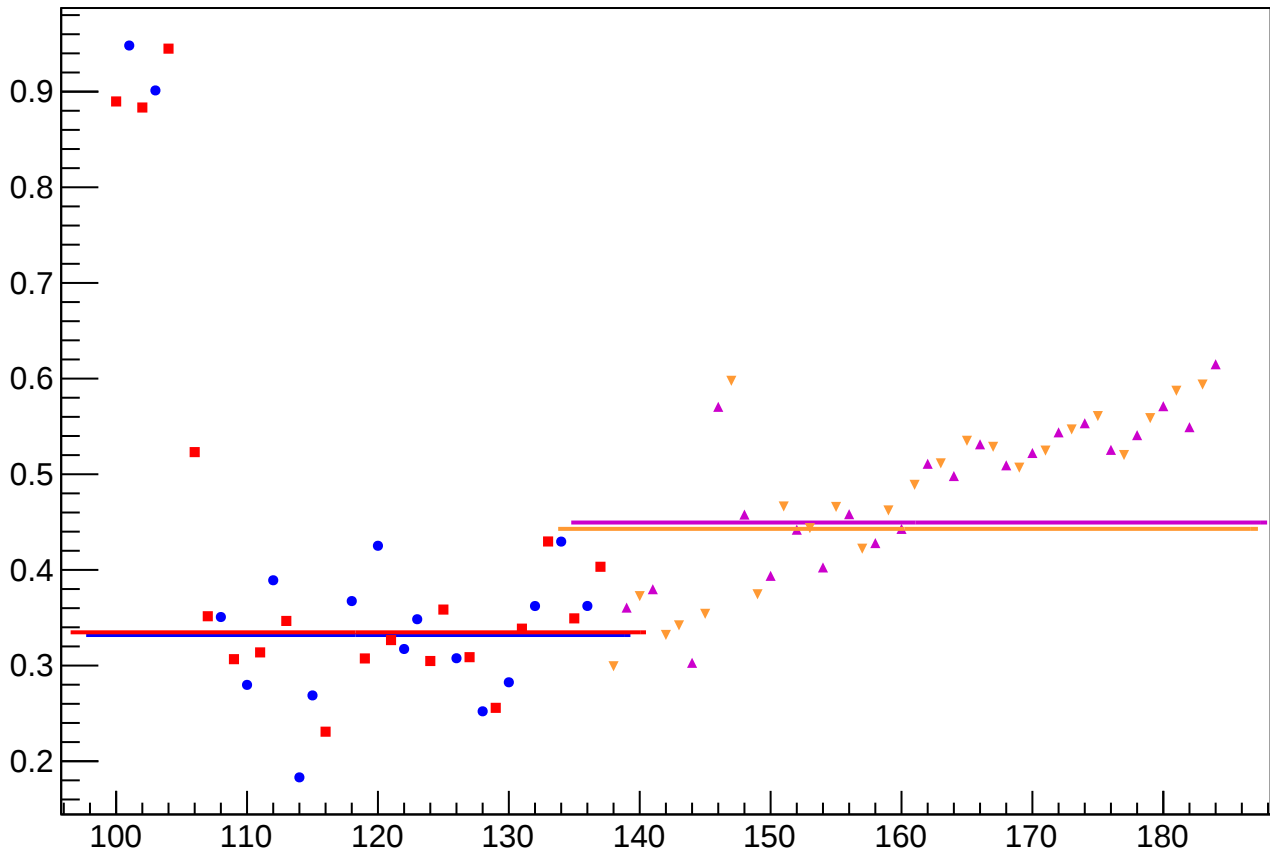
yield_bcm_dg_ds_mean vs Slug



Right In: 144.046 ± 0.000 χ^2/NDF : 3279467915.9/16
 Left Out: 146.501 ± 0.000 χ^2/NDF : 395016682.7/23
 Right Out: 145.013 ± 0.000 χ^2/NDF : 3930693089.2/18
 Left In: 145.834 ± 0.000 χ^2/NDF : 690172810.0/22

+ sign 145.593 ± 0.000 χ^2/NDF : 3864974300.6/40
 All: 145.553 ± 0.000 χ^2/NDF : 8507589075.1
 - sign 145.512 ± 0.000 χ^2/NDF : 4642184292.7/41

yield_bcm_dg_ds_rms vs Slug



Right In: 0.332 $\pm$ 0.000 χ^2 /NDF: 1287882.2/16

Left Out: 0.443 $\pm$ 0.000 χ^2 /NDF:1411224.3/23

Right Out: 0.335 $\pm$ 0.000 χ^2 /NDF: 1168458.2/18

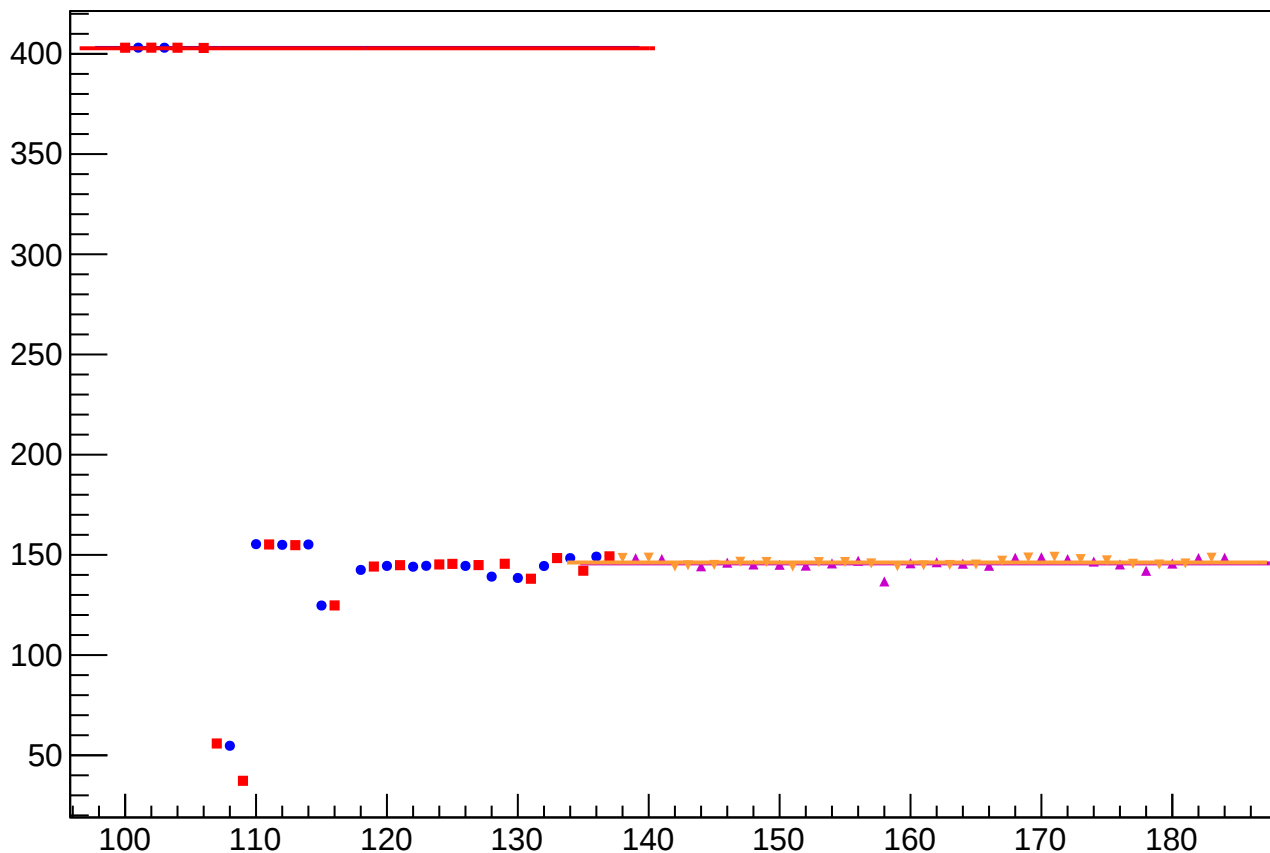
Left In: 0.450 $\pm$ 0.000 χ^2 /NDF:1092776.5/22

+ sign 0.402 $\pm$ 0.000 χ^2 /NDF: 3477281.2/40

All: 0.403 $\pm$ 0.000 χ^2 /NDF: 6572423.7/82

- sign 0.405 $\pm$ 0.000 χ^2 /NDF: 3094169.1/41

yield_cav4bQ_mean vs Slug



Right In: 402.957+/-0.000 χ^2/NDF : 1097981079296.6/16

Left Out: 146.195+/-0.000 χ^2/NDF : 83094341.2/23

Right Out: 402.798+/-0.000 χ^2/NDF : 3106239706226.1/18

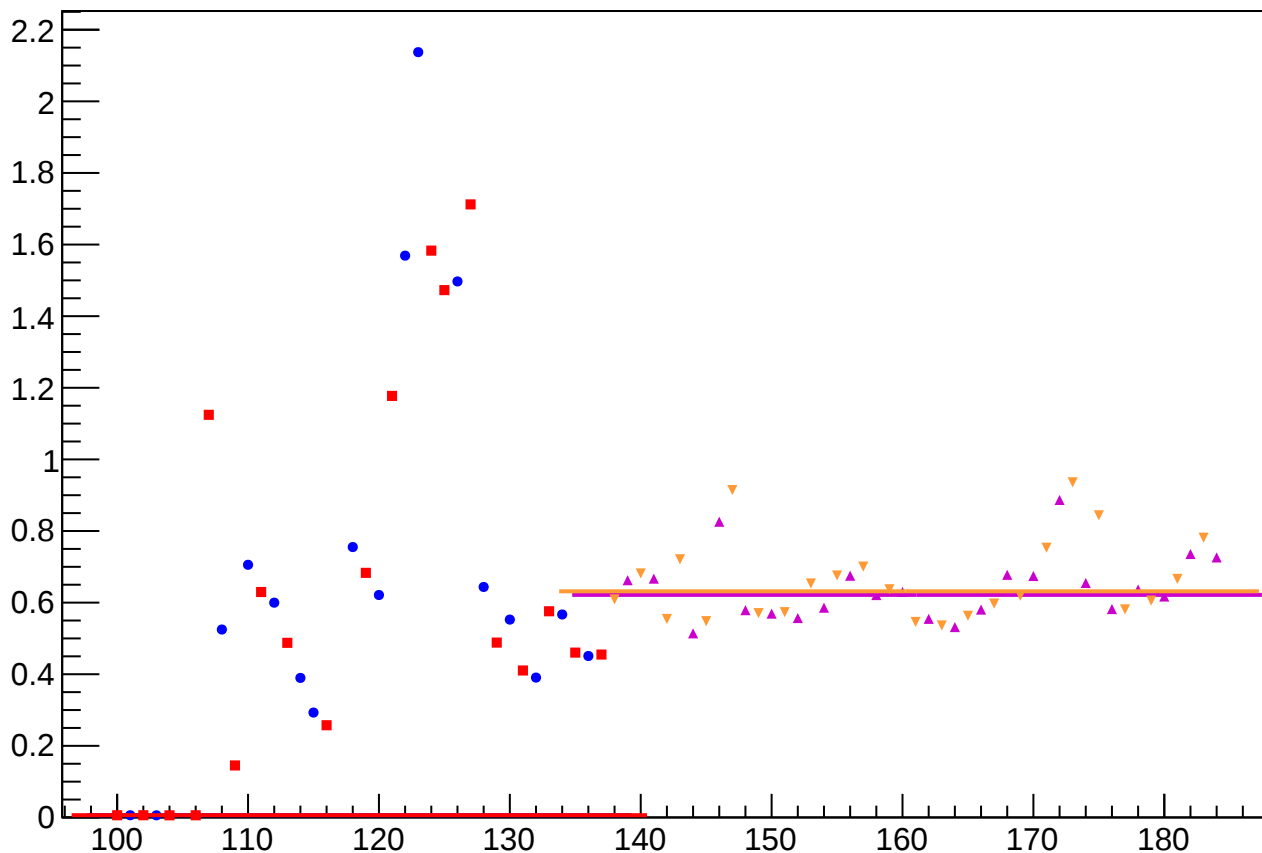
Left In: 145.755+/-0.000 χ^2/NDF : 206171532.0/22

+ sign 402.667+/-0.000 χ^2/NDF : 3417205627946.7

All: 402.600+/-0.000 χ^2/NDF : 885340344465

- sign 402.541+/-0.000 χ^2/NDF : 5435935694266.5

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9127939.0/16

Left Out: 0.632+/-0.000 χ^2/NDF : 612423.0/23

Right Out: 0.006+/-0.000 χ^2/NDF : 9171738.5/18

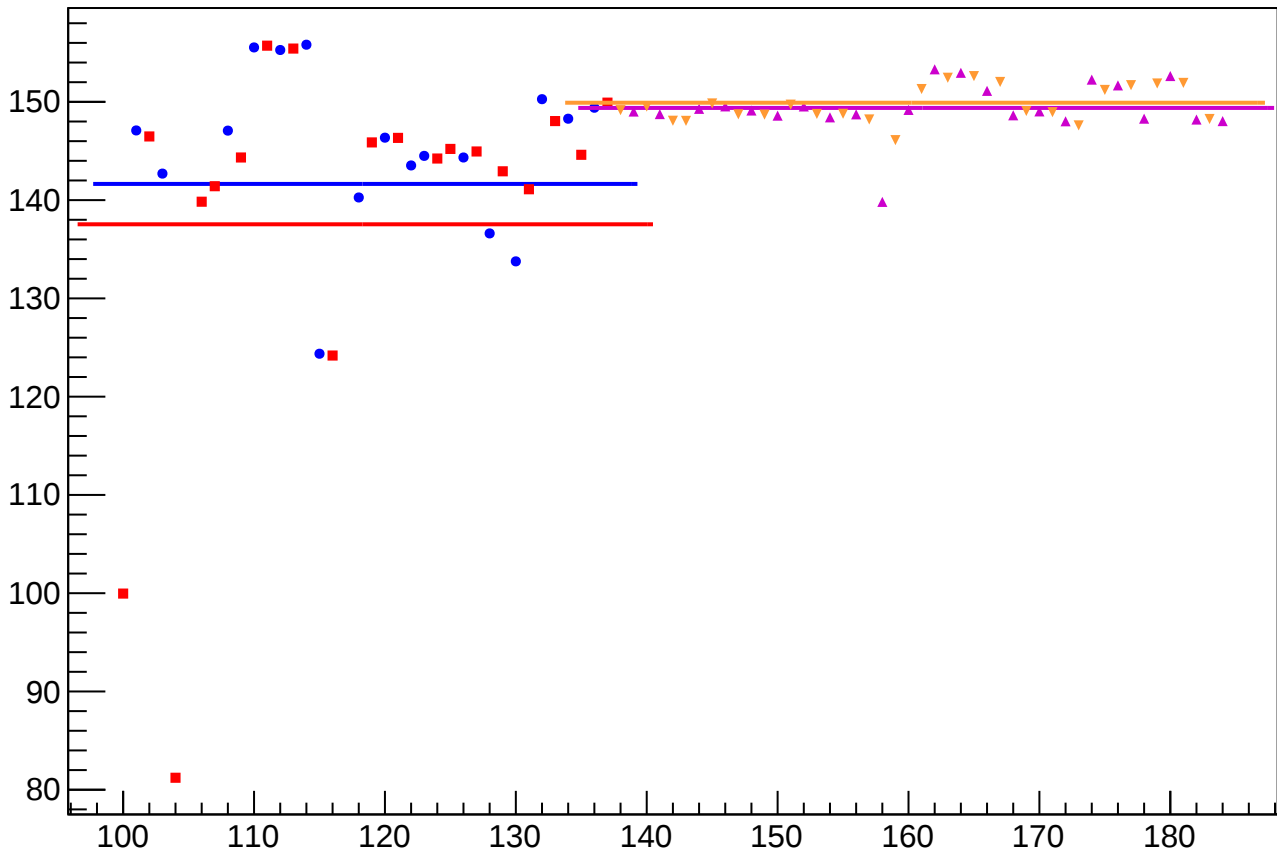
Left In: 0.622+/-0.000 χ^2/NDF : 399965.3/22

+ sign 0.007+/-0.000 χ^2/NDF : 37248797.4/40

All: 0.007+/-0.000 χ^2/NDF : 73515153.2/82

- sign 0.007+/-0.000 χ^2/NDF : 36266010.5/41

yield_cav4cQ_mean vs Slug



Right In: 141.649 $\pm$ 0.000 χ^2 /NDF: 978960977.0/16

Left Out: 149.912 $\pm$ 0.000 χ^2 /NDF: 162261124.0/23

Right Out: 137.540 $\pm$ 0.000 χ^2 /NDF: 1319926808.9/18

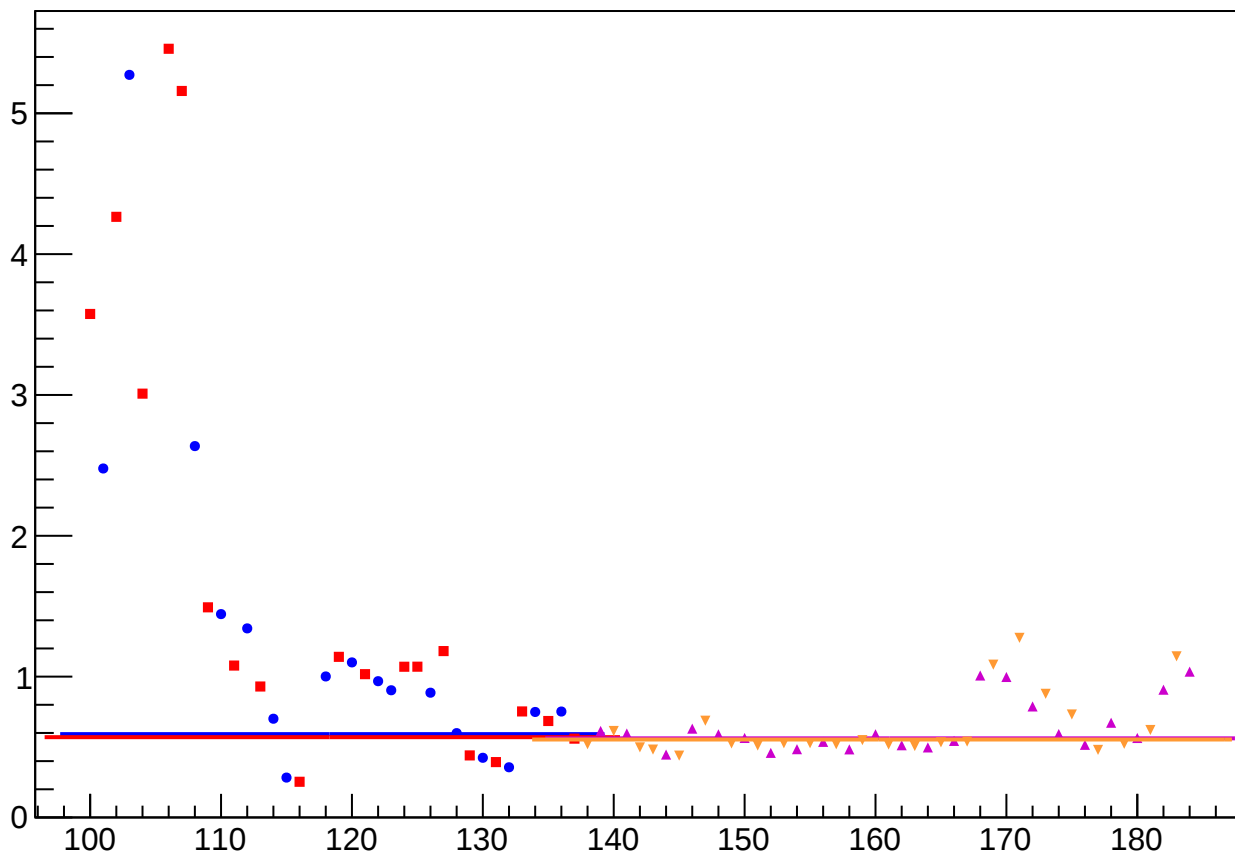
Left In: 149.382 $\pm$ 0.000 χ^2 /NDF: 434657827.5/22

+ sign 148.529 $\pm$ 0.000 χ^2 /NDF: 1715301781.4/40

All: 147.894 $\pm$ 0.000 χ^2 /NDF: 4724365060.8

- sign 147.230 $\pm$ 0.000 χ^2 /NDF: 2959236163.2/41

yield_cav4cQ_rms vs Slug



Right In: 0.592 $\pm$ 0.000 χ^2 /NDF: 3518726.1/16

Left Out: 0.554 $\pm$ 0.000 χ^2 /NDF:1669890.0/23

Right Out: 0.570 $\pm$ 0.000 χ^2 /NDF: 4645113.2/18

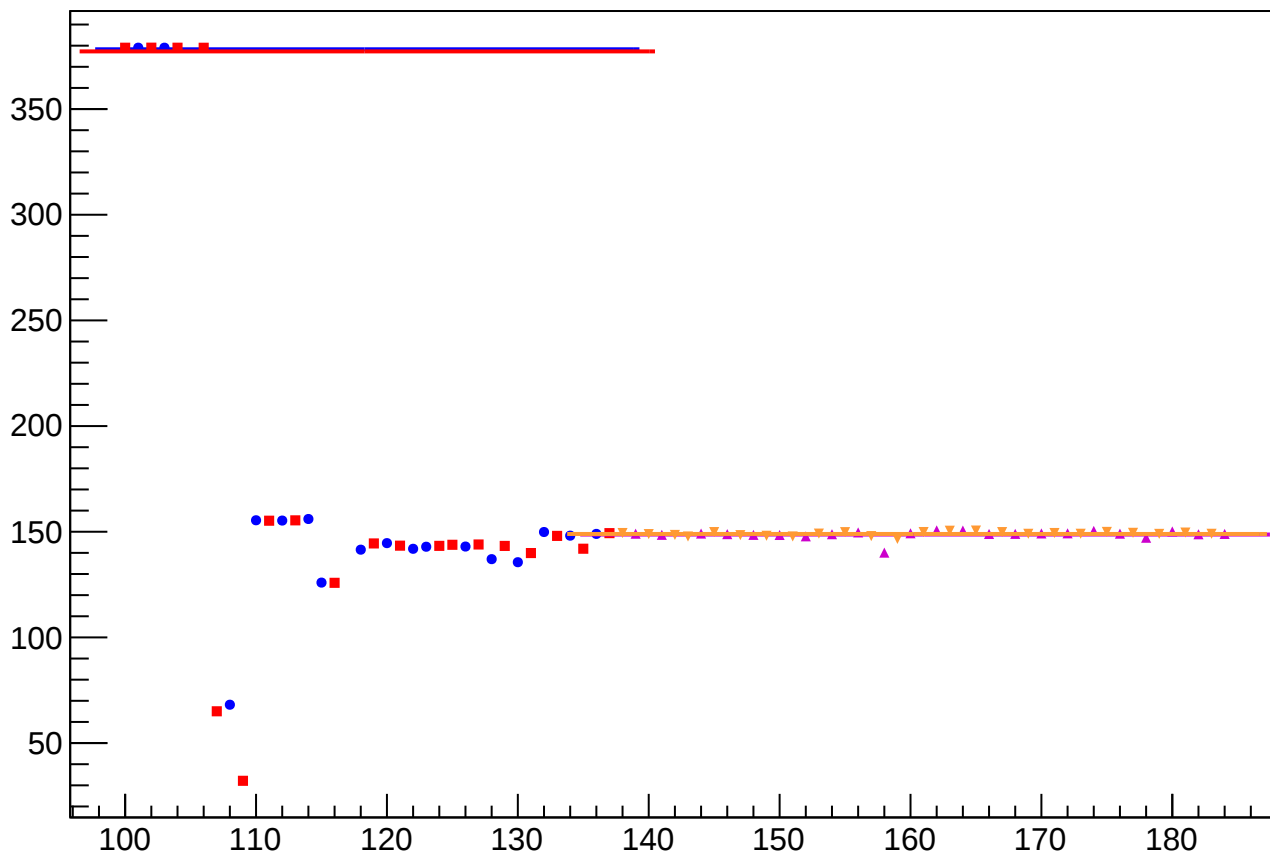
Left In: 0.562 $\pm$ 0.000 χ^2 /NDF:1305573.4/22

+ sign 0.560 $\pm$ 0.000 χ^2 /NDF: 5213080.6/40

All: 0.562 $\pm$ 0.000 χ^2 /NDF: 11165631.0/82

- sign 0.563 $\pm$ 0.000 χ^2 /NDF: 5951875.5/41

yield_cav4dQ_mean vs Slug



Right In: 378.288 ± 0.000 $\chi^2/\text{NDF}: 2492505563660.4/16$

Left Out: 148.946 ± 0.000 $\chi^2/\text{NDF}: 64706412.4/23$

Right Out: 377.290 ± 0.000 $\chi^2/\text{NDF}: 8277094761031.6/18$

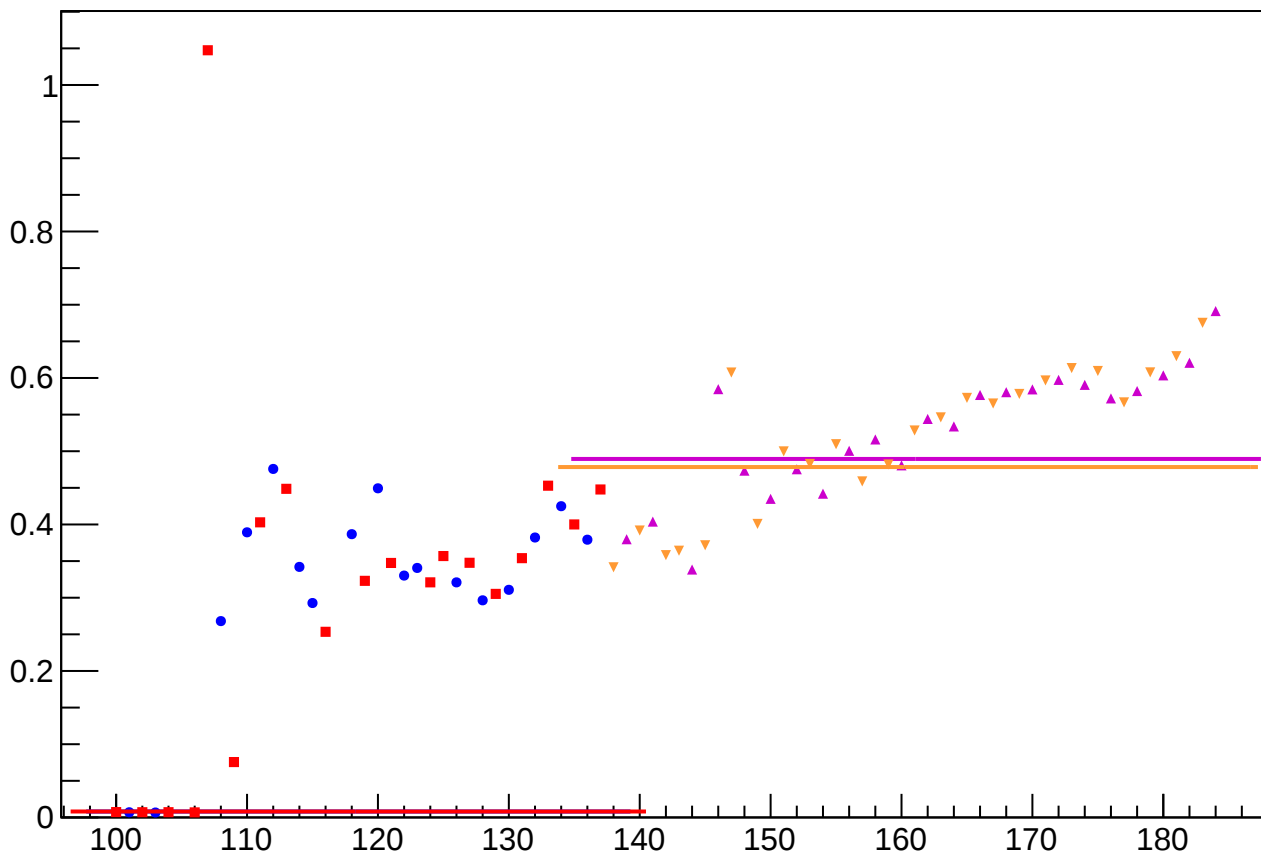
Left In: 148.672 ± 0.000 $\chi^2/\text{NDF}: 252846428.3/22$

+ sign 377.027 ± 0.000 $\chi^2/\text{NDF}: 6341530442512.5$

All: 376.621 ± 0.000 $\chi^2/\text{NDF}: 181817925504$

- sign 376.265 ± 0.000 $\chi^2/\text{NDF}: 11836116982208.2$

yield_cav4dQ_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 9842025.8/16

Left Out: 0.478 $\pm$ 0.000 χ^2 /NDF:1450799.6/23

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 9491450.8/18

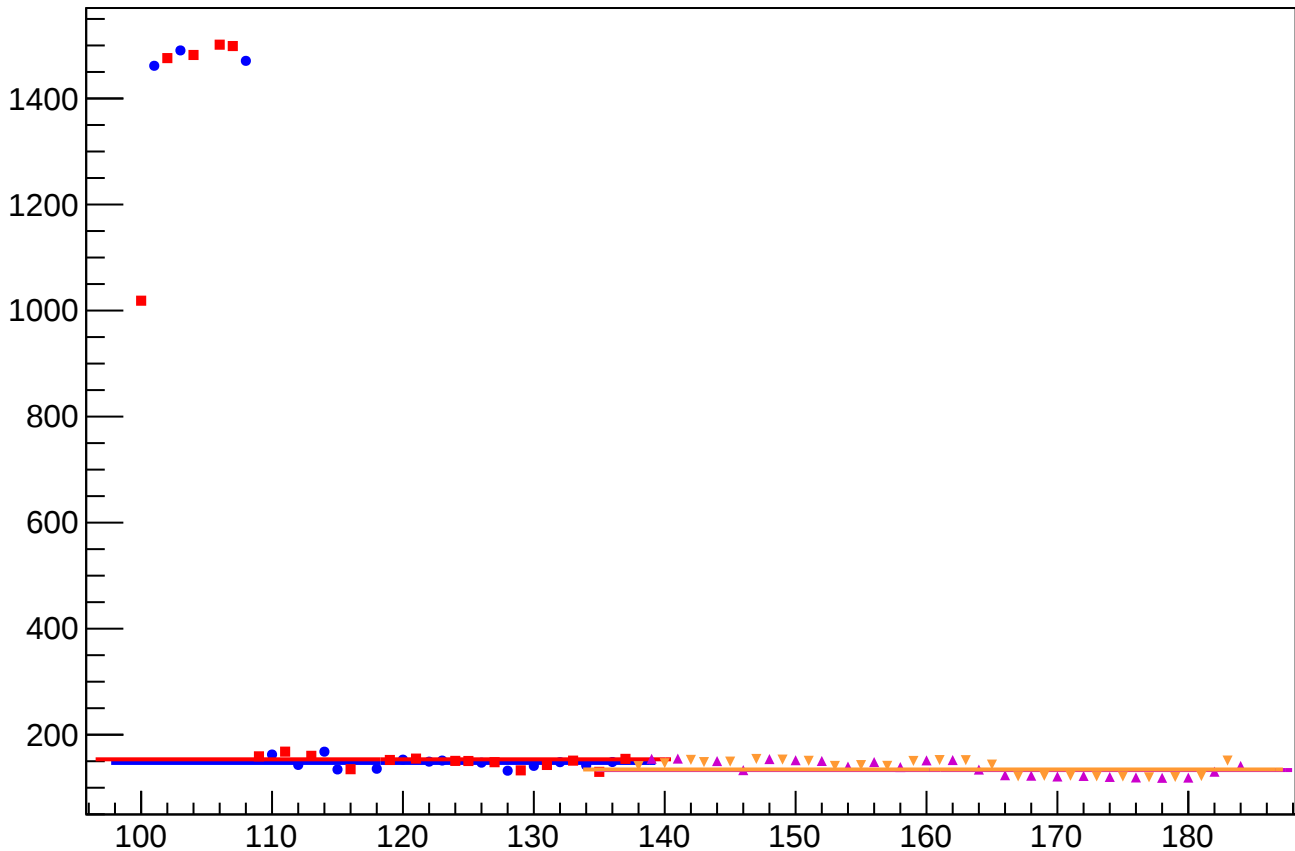
Left In: 0.489 $\pm$ 0.000 χ^2 /NDF:1076134.2/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 43660434.1/40

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 85779161.8/82

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 42116415.2/41

yield_bcm0l02_mean vs Slug



Right In: 146.782 $\pm$ 0.000 χ^2 /NDF: 24345208780.4/16

Left Out: 134.429 $\pm$ 0.000 χ^2 /NDF: 4320857168.5/23

Right Out: 153.596 $\pm$ 0.000 χ^2 /NDF: 33791266543.9/18

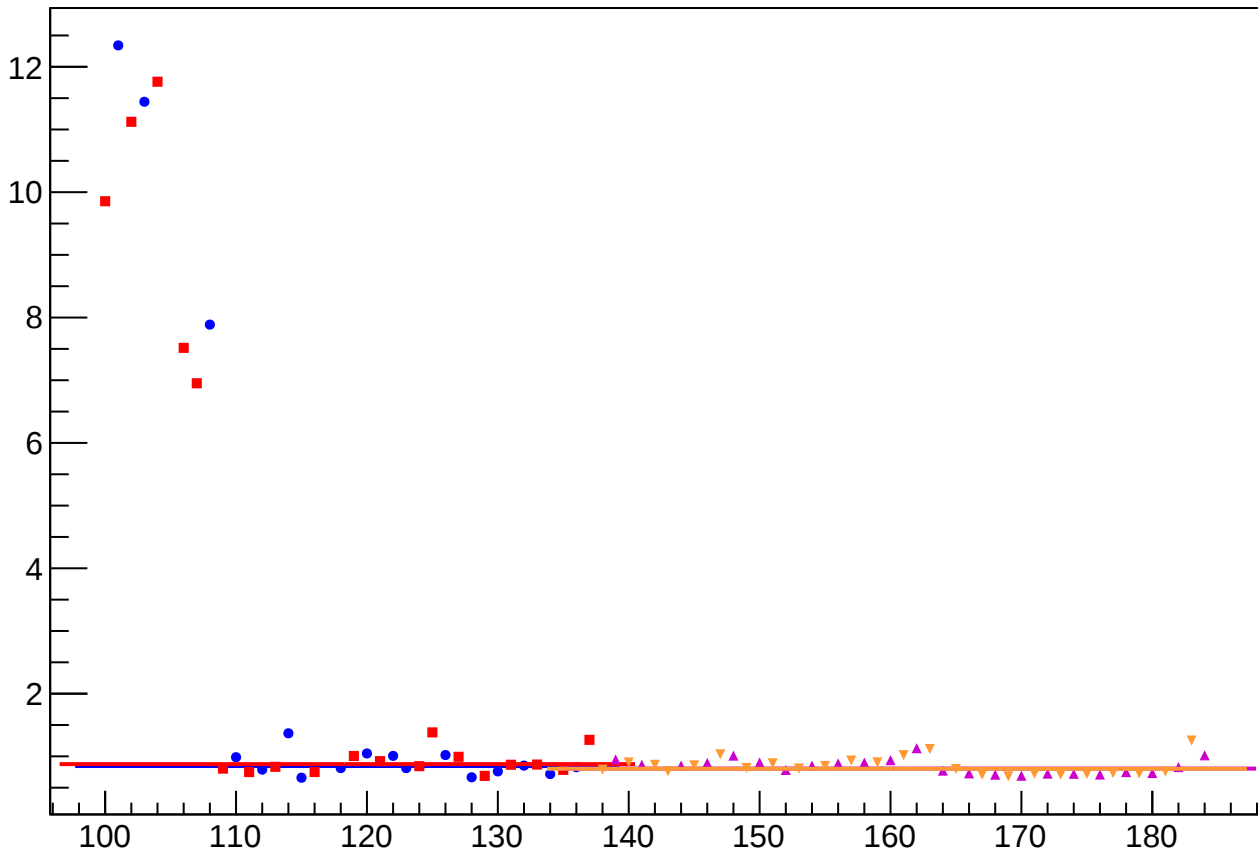
Left In: 133.337 $\pm$ 0.000 χ^2 /NDF: 4303812119.2/22

+ sign 136.707 $\pm$ 0.000 χ^2 /NDF: 29328977368.0/40

All: 136.935 $\pm$ 0.000 χ^2 /NDF: 69192669973.0/41

- sign 137.170 $\pm$ 0.000 χ^2 /NDF: 39860643393.0/41

yield_bcm0l02_rms vs Slug



Right In: 0.846 $\pm$ 0.000 χ^2 /NDF: 2658649.7/16

Left Out: 0.802 $\pm$ 0.000 χ^2 /NDF:615085.4/23

Right Out: 0.876 $\pm$ 0.000 χ^2 /NDF: 2826804.8/18

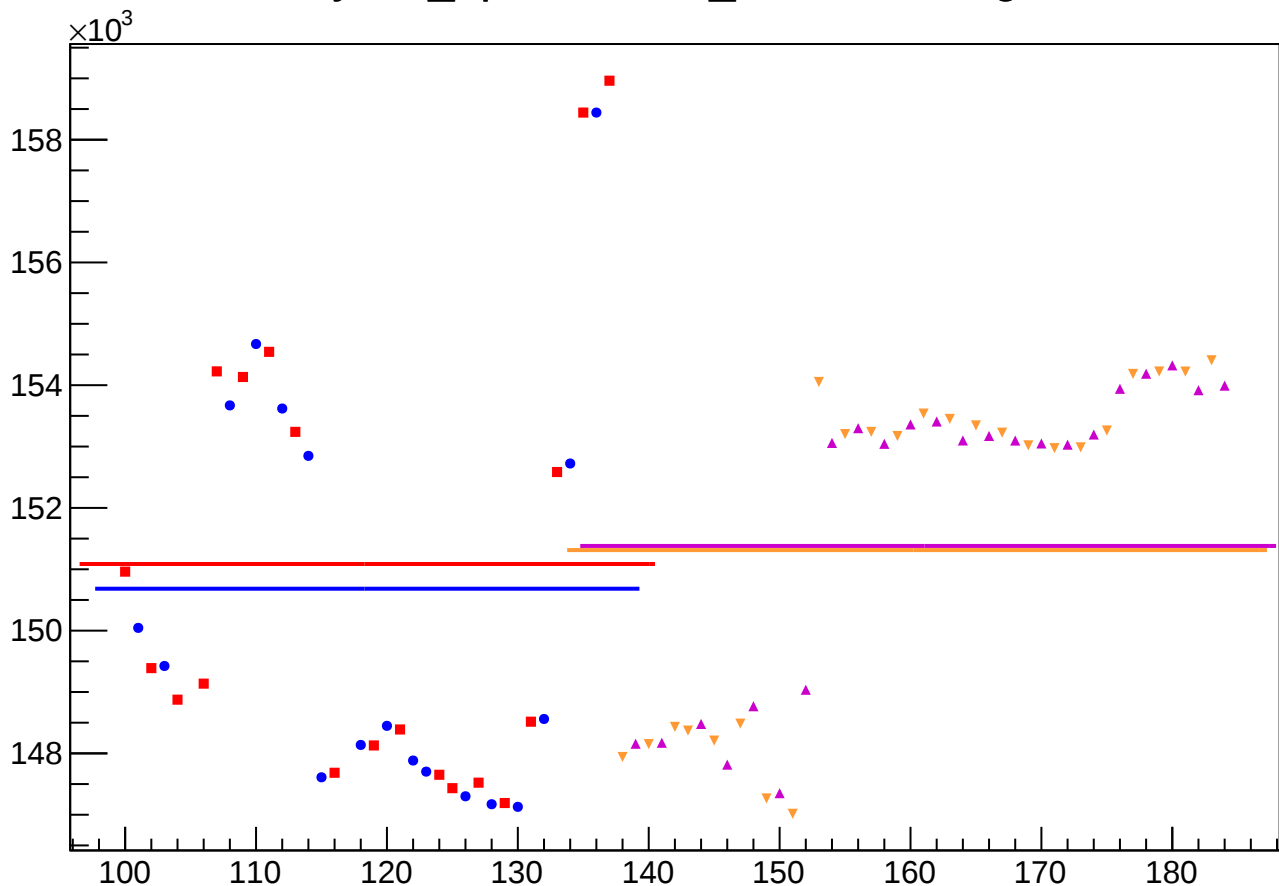
Left In: 0.805 $\pm$ 0.000 χ^2 /NDF:480510.8/22

+ sign 0.810 $\pm$ 0.000 χ^2 /NDF: 3290151.9/40

All: 0.814 $\pm$ 0.000 χ^2 /NDF: 6643028.2/82

- sign 0.818 $\pm$ 0.000 χ^2 /NDF: 3351029.0/41

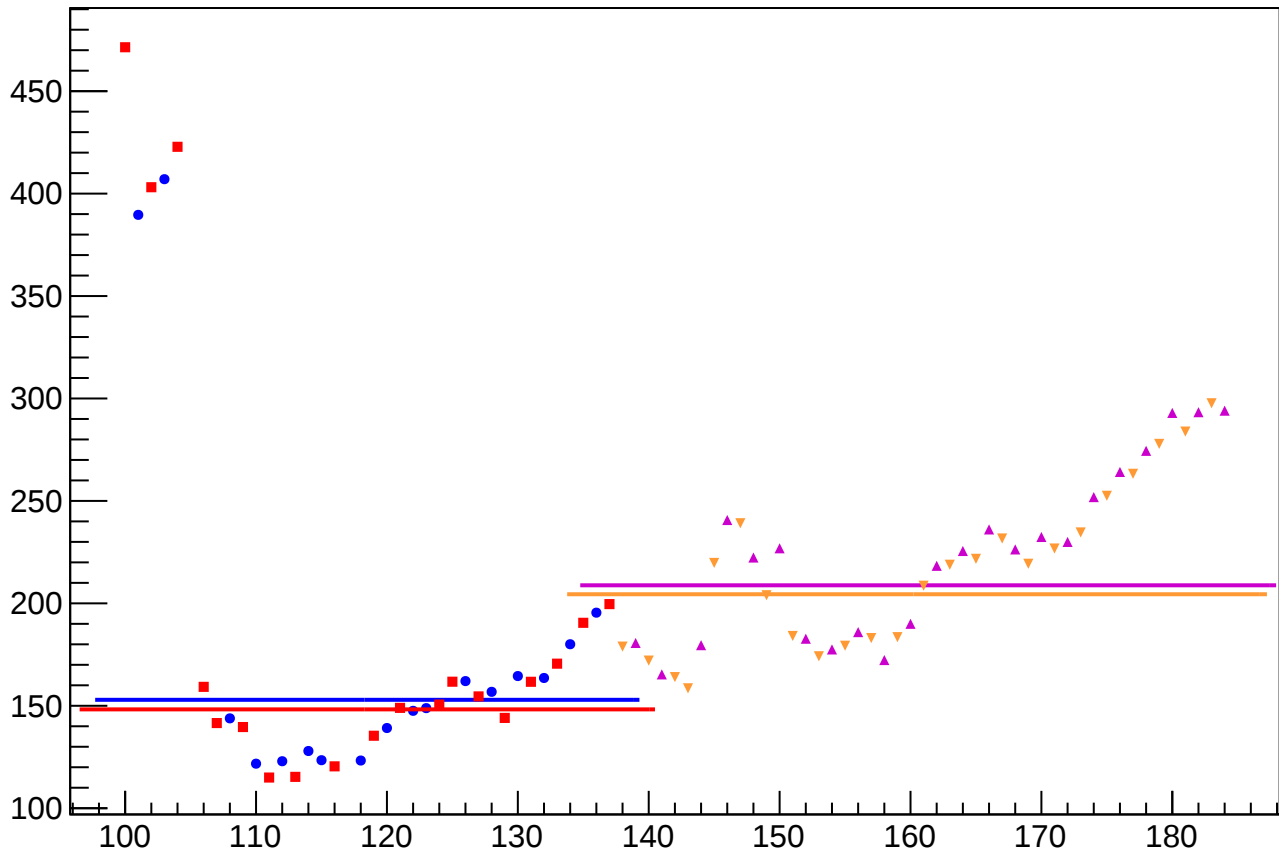
yield_bpm0i01WS_mean vs Slug



Right In: 150683.304 ± 0.063 $\chi^2/\text{NDF}: 3299311261.5/16$
 Left Out: 151312.717 ± 0.049 $\chi^2/\text{NDF}: 3103162666.9/23$
 Right Out: 151086.261 ± 0.060 $\chi^2/\text{NDF}: 3297509595.7/18$
 Left In: 151380.236 ± 0.051 $\chi^2/\text{NDF}: 2363895785.3/22$

+ sign 151075.735 ± 0.039 $\chi^2/\text{NDF}: 6464520345.6$
 All: 151165.378 ± 0.027 $\chi^2/\text{NDF}: 121506600$
 - sign 151255.711 ± 0.039 $\chi^2/\text{NDF}: 5675375853.0$

yield_bpm0i01WS_rms vs Slug



Right In: 152.916 ± 0.045 χ^2/NDF : 1154367.4/16

Left Out: 204.442 ± 0.035 χ^2/NDF : 1008235.5/23

Right Out: 148.245 ± 0.042 χ^2/NDF : 1189017.0/18

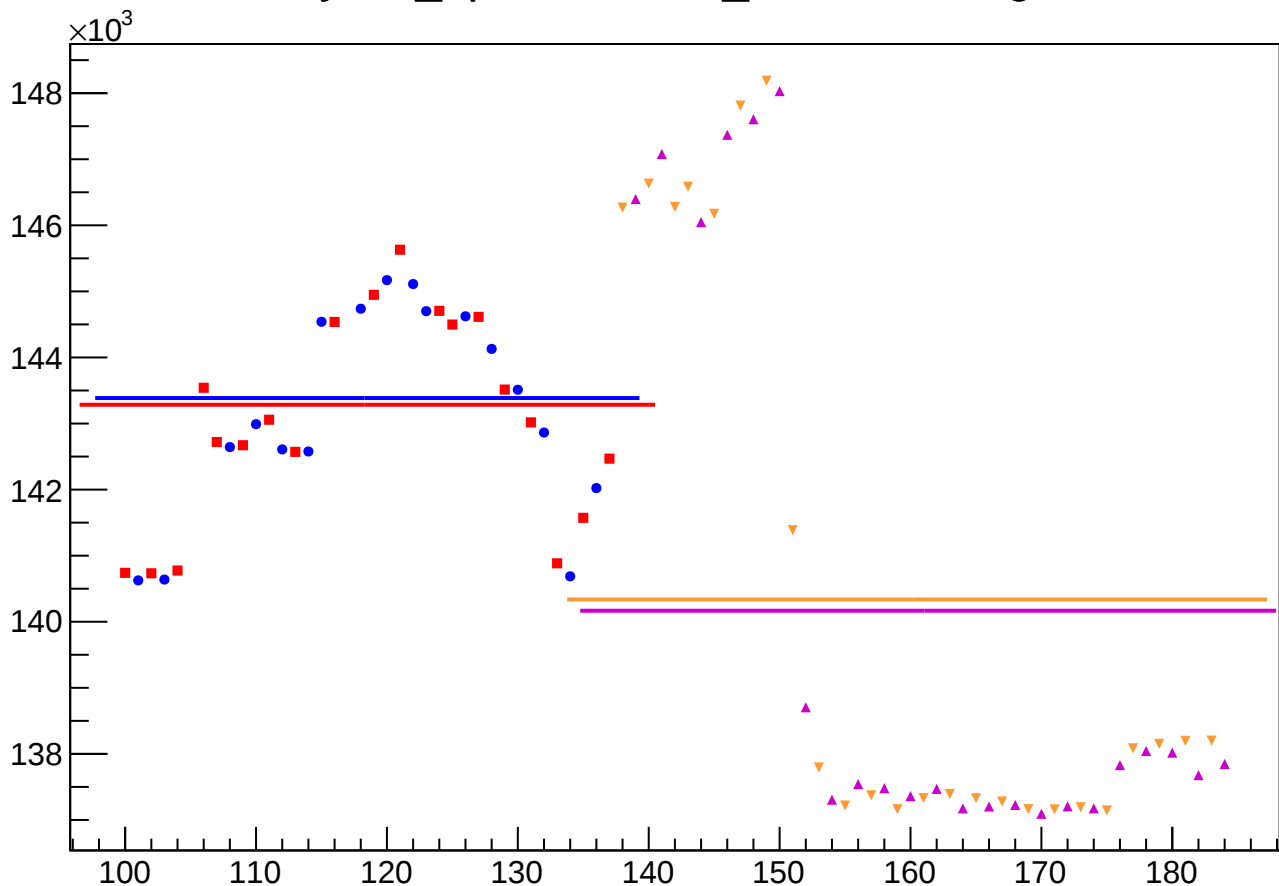
Left In: 208.813 ± 0.036 χ^2/NDF : 1001936.6/22

+ sign 185.042 ± 0.027 χ^2/NDF : 2994230.2/40

All: 184.103 ± 0.019 χ^2/NDF : 6373576.6/82

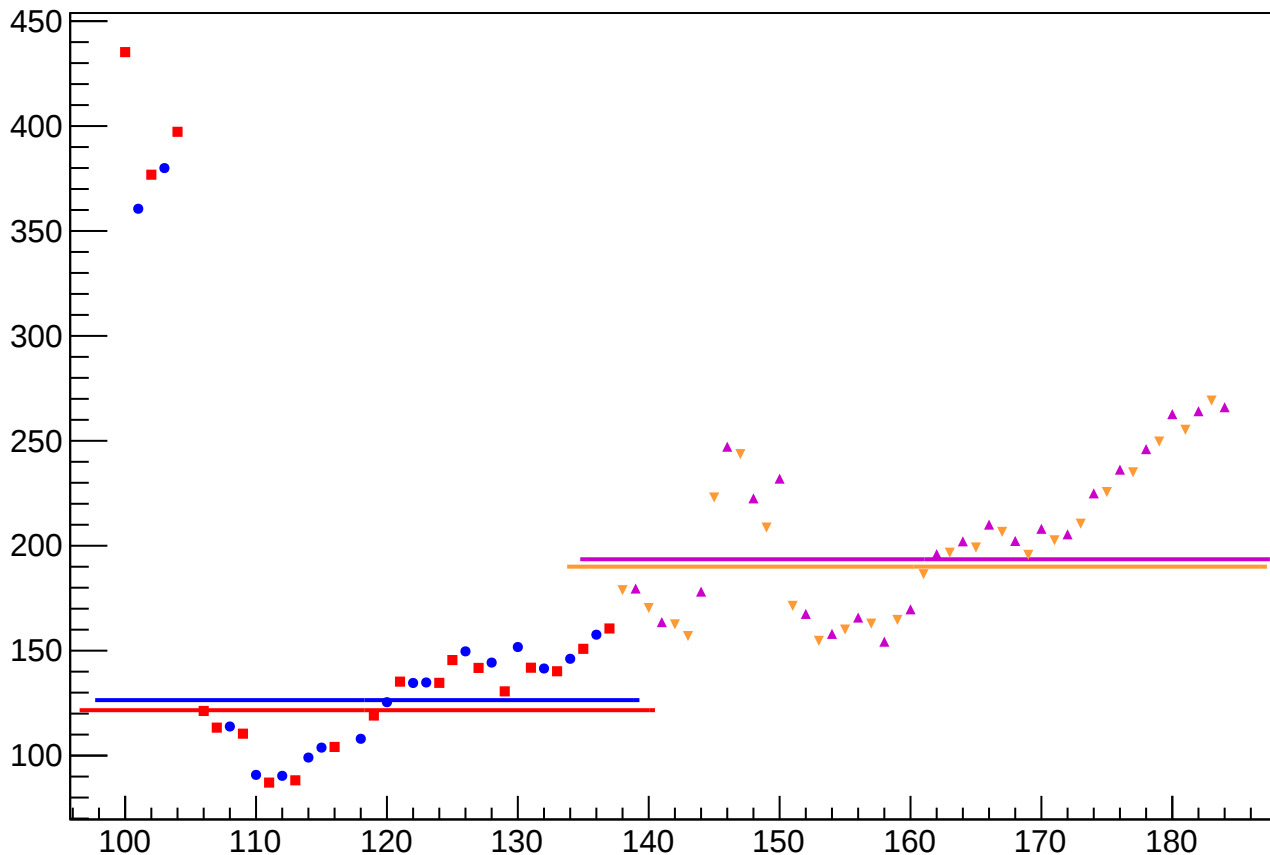
- sign 183.157 ± 0.027 χ^2/NDF : 3376985.2/41

yield_bpm0i01aWS_mean vs Slug



Right In: 143385.822 $\pm$ 0.053 χ^2/NDF : 520518329.3/16
 Left Out: 140337.523 $\pm$ 0.046 χ^2/NDF : 8537215325.0/23
 Right Out: 143284.246 $\pm$ 0.049 χ^2/NDF : 608478885.8/18
 Left In: 140166.971 $\pm$ 0.047 χ^2/NDF : 8028464654.6/22

yield_bpm0i01aWS_rms vs Slug



Right In: 126.427 $\pm$ 0.037 χ^2 /NDF: 1442156.7/16

Left Out: 190.033 $\pm$ 0.032 χ^2 /NDF: 907802.8/23

Right Out: 121.629 $\pm$ 0.035 χ^2 /NDF: 1458546.9/18

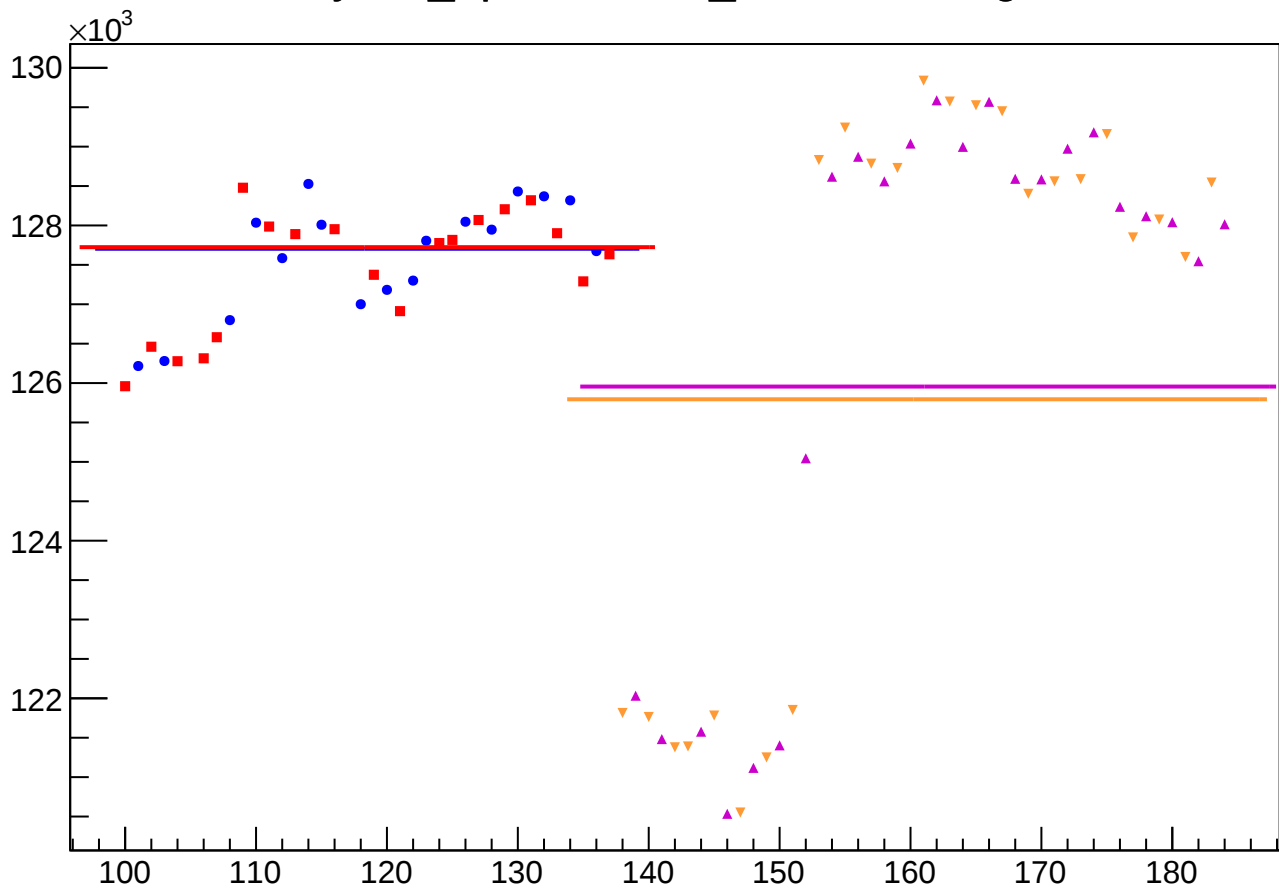
Left In: 193.558 $\pm$ 0.034 χ^2 /NDF: 963675.0/22

+ sign 162.899 $\pm$ 0.024 χ^2 /NDF: 4014607.9/40

All: 160.844 $\pm$ 0.017 χ^2 /NDF: 8669807.7/82

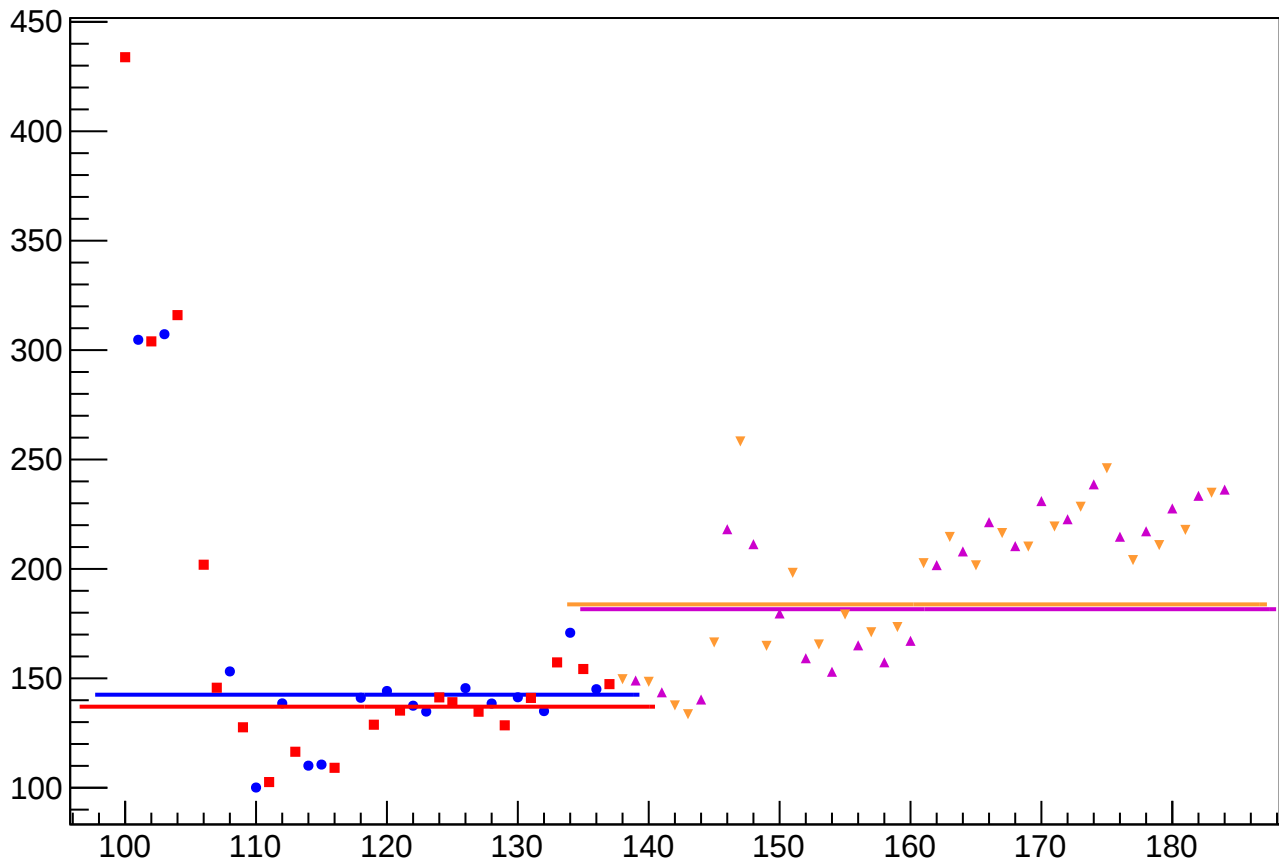
- sign 158.831 $\pm$ 0.024 χ^2 /NDF: 4641136.9/41

yield_bpm0l01WS_mean vs Slug



Right In: 127704.536 $\pm$ 0.058	χ^2 /NDF: 97614287.1/16	+ sign 126497.394 $\pm$ 0.035	χ^2 /NDF: 7386197412.2
Left Out: 125794.375 $\pm$ 0.044	χ^2 /NDF: 6607274058.5/23	All: 126584.409 $\pm$ 0.025	χ^2 /NDF: 13942589
Right Out: 127724.288 $\pm$ 0.055	χ^2 /NDF: 112647022.0/18	- sign 126668.154 $\pm$ 0.035	χ^2 /NDF: 6544462790.7
Left In: 125955.637 $\pm$ 0.045	χ^2 /NDF: 5804088930.1/22		

yield_bpm0l01WS_rms vs Slug



Right In: 142.524+/-0.041 χ^2/NDF : 836220.9/16

Left Out: 183.801+/-0.031 χ^2/NDF :1098245.4/23

Right Out: 137.050+/-0.039 χ^2/NDF : 956482.5/18

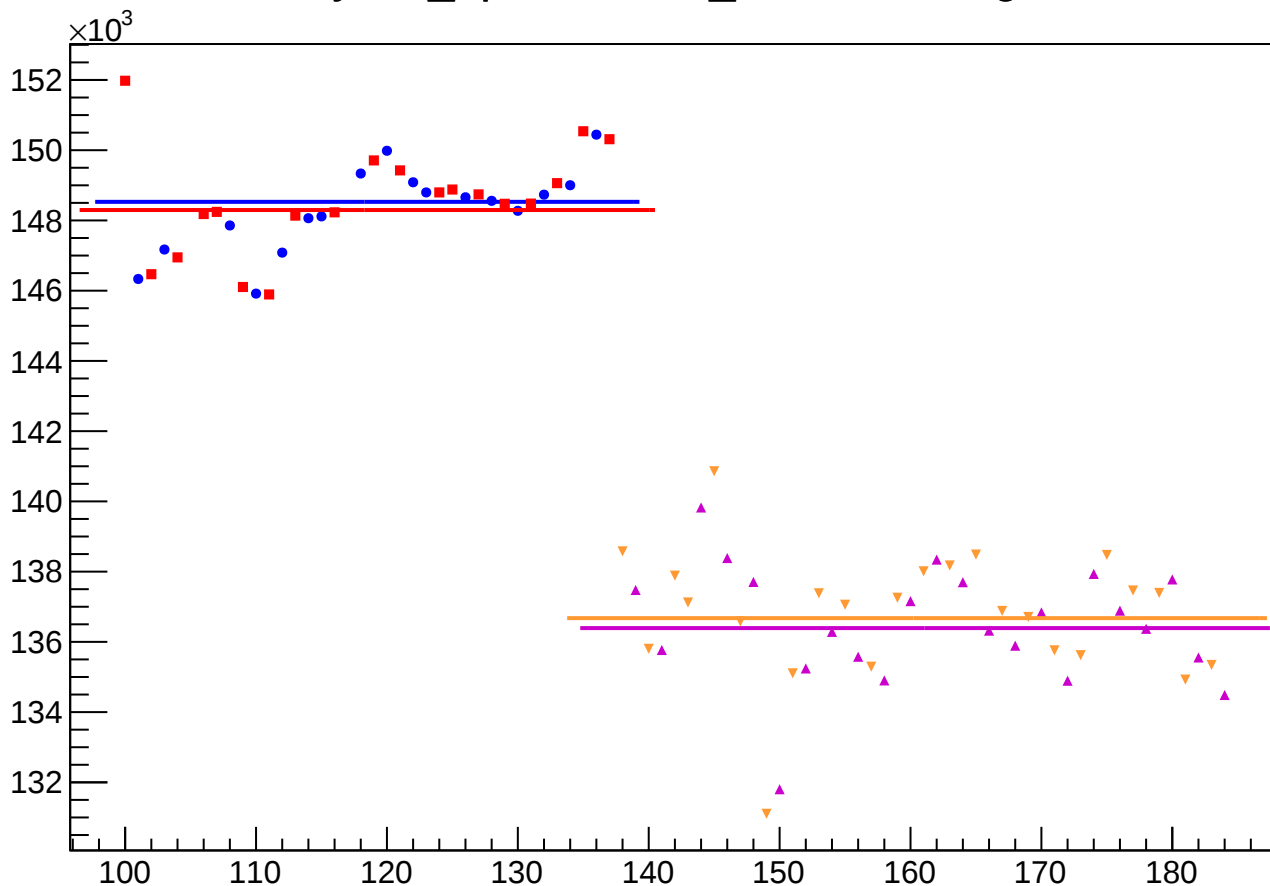
Left In: 181.596+/-0.032 χ^2/NDF :1103524.3/22

+ sign 168.609+/-0.025 χ^2/NDF : 2570726.2/40

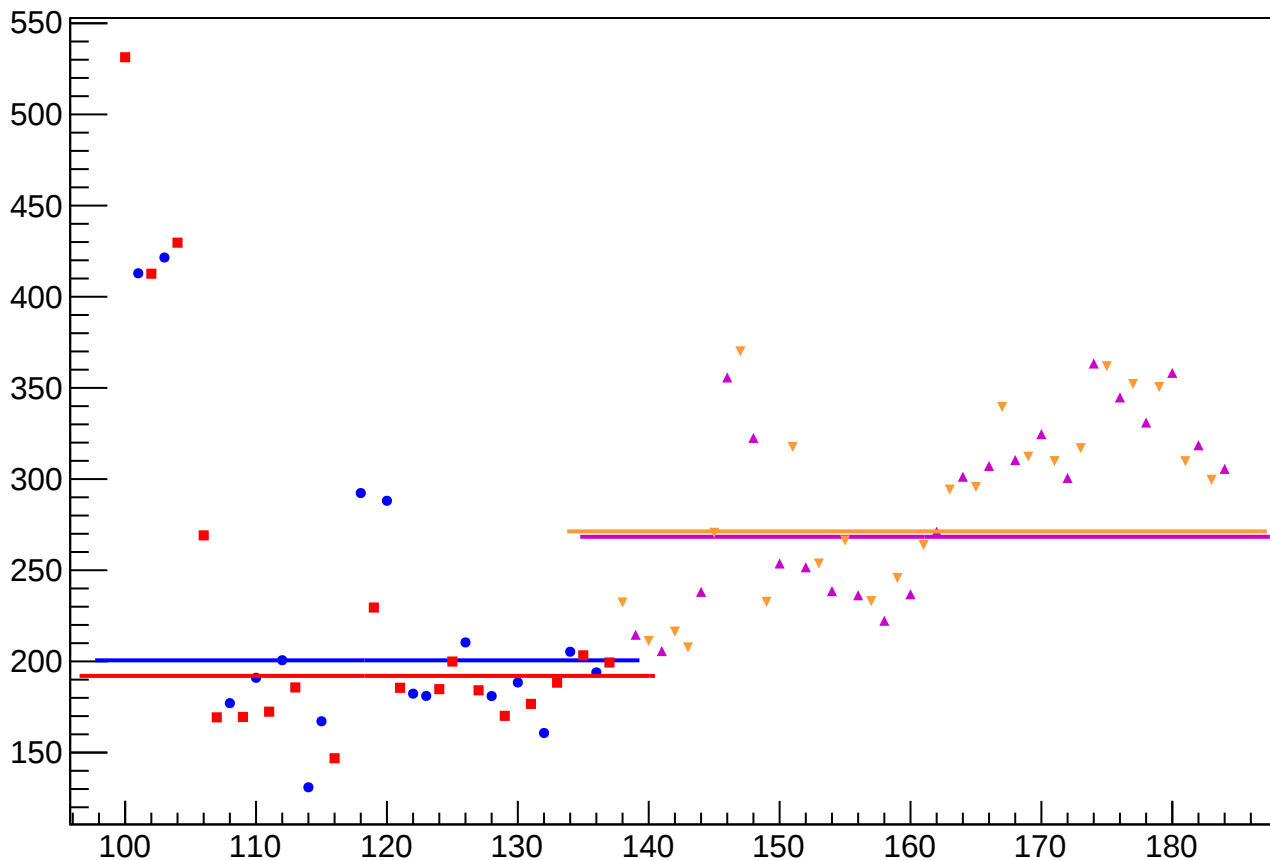
All: 166.082+/-0.017 χ^2/NDF : 5447262.9/82

- sign 163.650+/-0.024 χ^2/NDF : 2856414.1/41

yield_bpm0l02WS_mean vs Slug



yield_bpm0l02WS_rms vs Slug



Right In: 200.585 $\pm$ 0.058 χ^2 /NDF: 935452.3/16

Left Out: 271.314 $\pm$ 0.046 χ^2 /NDF:1059027.3/23

Right Out: 192.054 $\pm$ 0.054 χ^2 /NDF: 845373.5/18

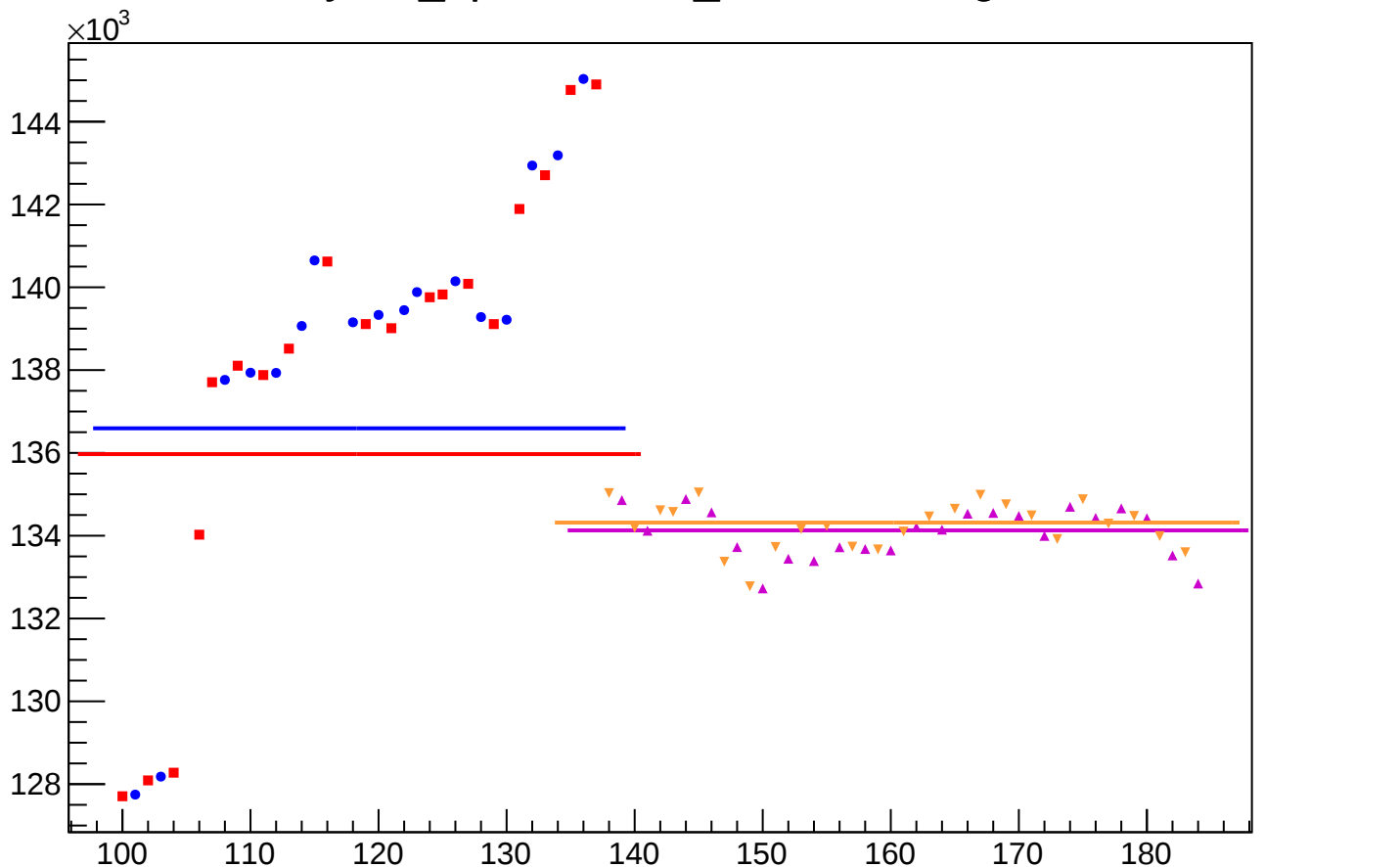
Left In: 268.344 $\pm$ 0.047 χ^2 /NDF:1077364.0/22

+ sign 243.985 $\pm$ 0.036 χ^2 /NDF: 2901539.0/40

All: 239.784 $\pm$ 0.025 χ^2 /NDF: 5992481.8/82

- sign 235.778 $\pm$ 0.035 χ^2 /NDF: 3064575.6/41

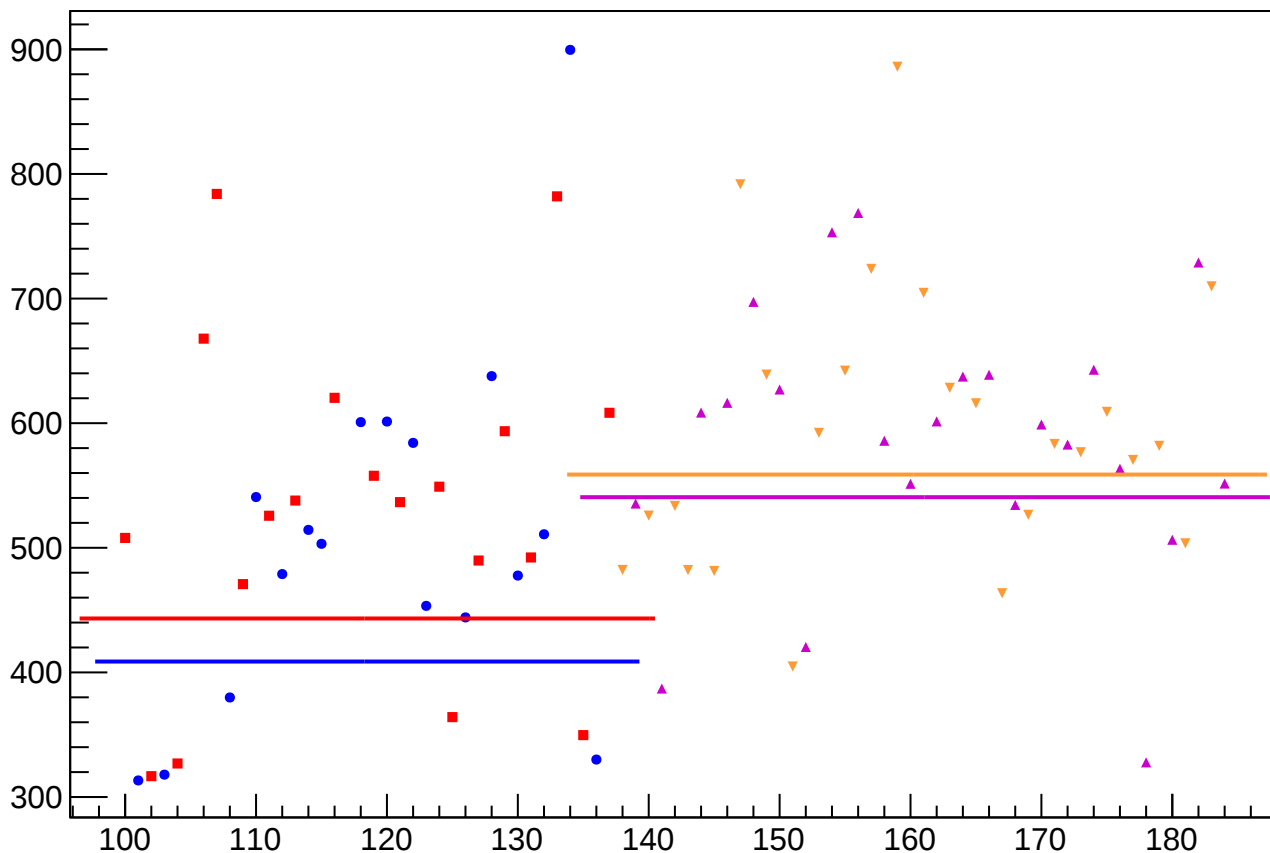
yield_bpm0l03WS_mean vs Slug



Right In: 136593.896 $\pm$ 0.172 χ^2 /NDF: 1493317567.5/16
 Left Out: 134317.020 $\pm$ 0.140 χ^2 /NDF:15307822.8/23
 Right Out: 135970.927 $\pm$ 0.183 χ^2 /NDF: 1080815746.9/18
 Left In: 134128.172 $\pm$ 0.142 χ^2 /NDF:15533736.2/22

+ sign 135228.734 $\pm$ 0.109 χ^2 /NDF: 1613964178.0
 All: 135031.240 $\pm$ 0.078 χ^2 /NDF: 278045239
 - sign 134820.949 $\pm$ 0.112 χ^2 /NDF: 1159672230.3/

yield_bpm0l03WS_rms vs Slug



Right In: 408.721 $\pm$ 0.121 χ^2 /NDF: 830375.0/16

Left Out: 558.766 $\pm$ 0.099 χ^2 /NDF: 974929.9/23

Right Out: 443.274 $\pm$ 0.129 χ^2 /NDF: 916555.3/18

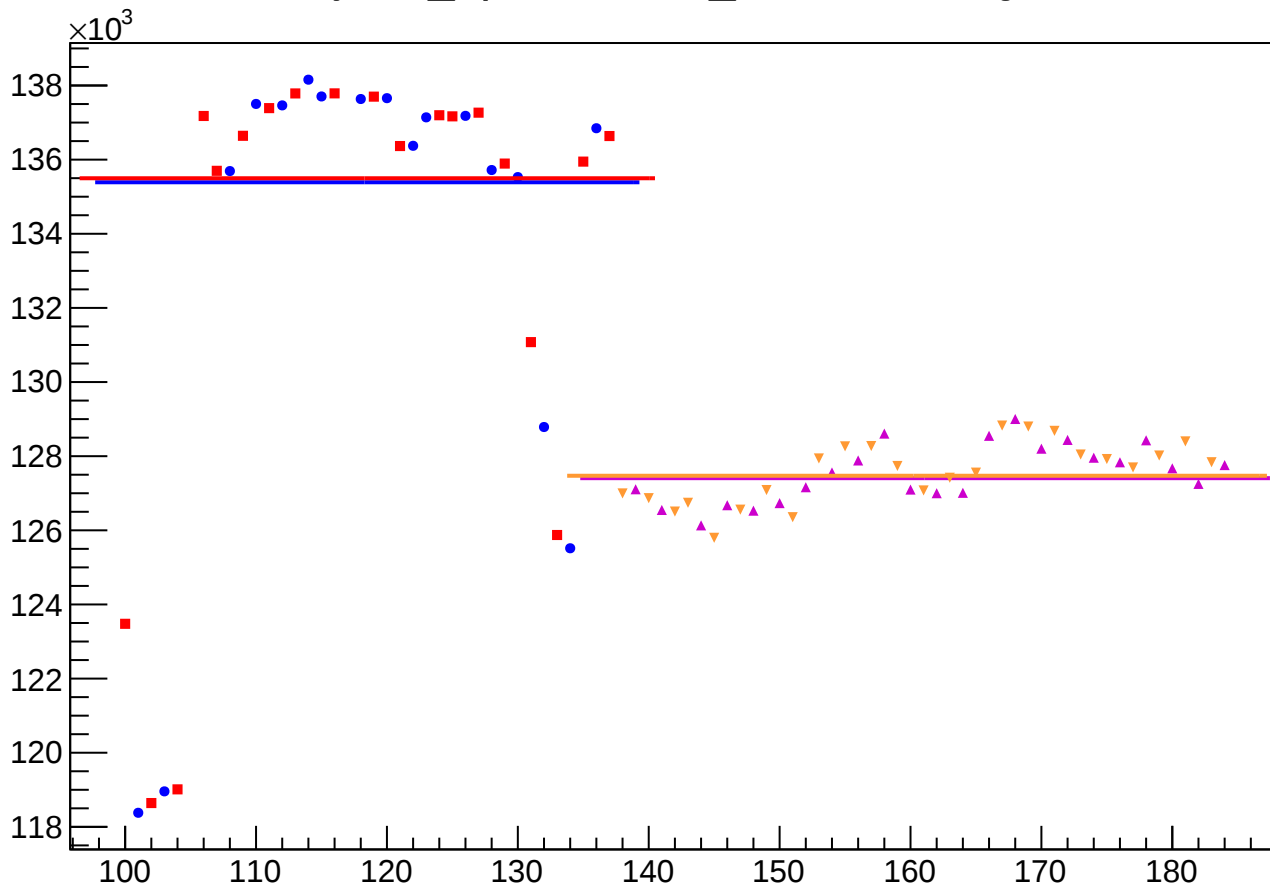
Left In: 540.607 $\pm$ 0.100 χ^2 /NDF: 1409015.2/22

+ sign 498.684 $\pm$ 0.077 χ^2 /NDF: 2720220.6/40

All: 501.266 $\pm$ 0.055 χ^2 /NDF: 5401448.0/82

- sign 504.015 $\pm$ 0.079 χ^2 /NDF: 2678898.1/41

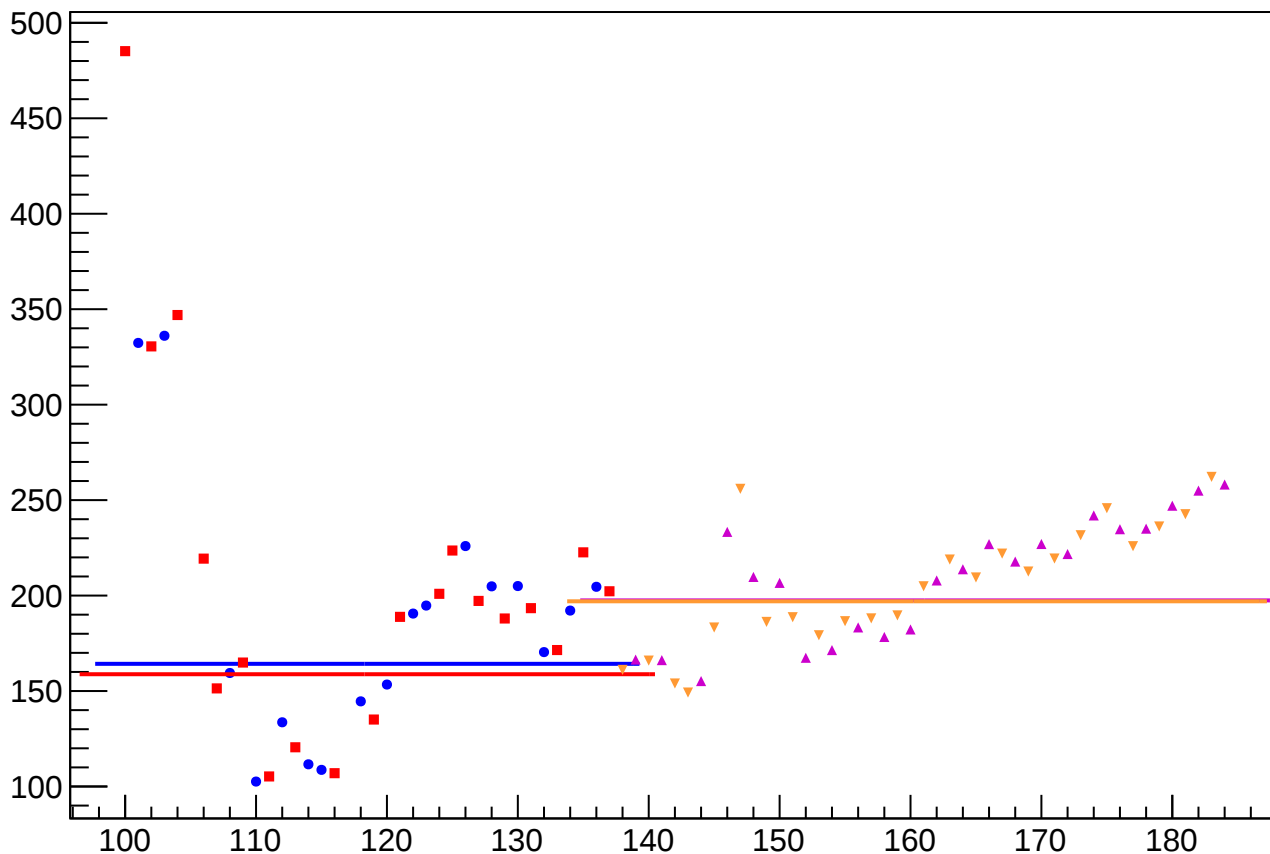
yield_bpm0l04WS_mean vs Slug



Right In: 135389.443 $\pm$ 0.068 χ^2 /NDF: 4578120272.5/16
 Left Out: 127471.995 $\pm$ 0.047 χ^2 /NDF: 298541935.8/23
 Right Out: 135497.758 $\pm$ 0.064 χ^2 /NDF: 4738615601.8/18
 Left In: 127406.911 $\pm$ 0.048 χ^2 /NDF: 269927988.0/22

+ sign 130030.964 $\pm$ 0.039 χ^2 /NDF: 13956531435.
 All: 130178.580 $\pm$ 0.027 χ^2 /NDF: 290869200.
 - sign 130324.759 $\pm$ 0.039 χ^2 /NDF: 15101670839.9

yield_bpm0l04WS_rms vs Slug



Right In: 164.250 ± 0.048 $\chi^2/\text{NDF}: 1227814.4/16$

Left Out: 197.003 ± 0.033 $\chi^2/\text{NDF}: 817662.2/23$

Right Out: 158.804 ± 0.046 $\chi^2/\text{NDF}: 1376920.6/18$

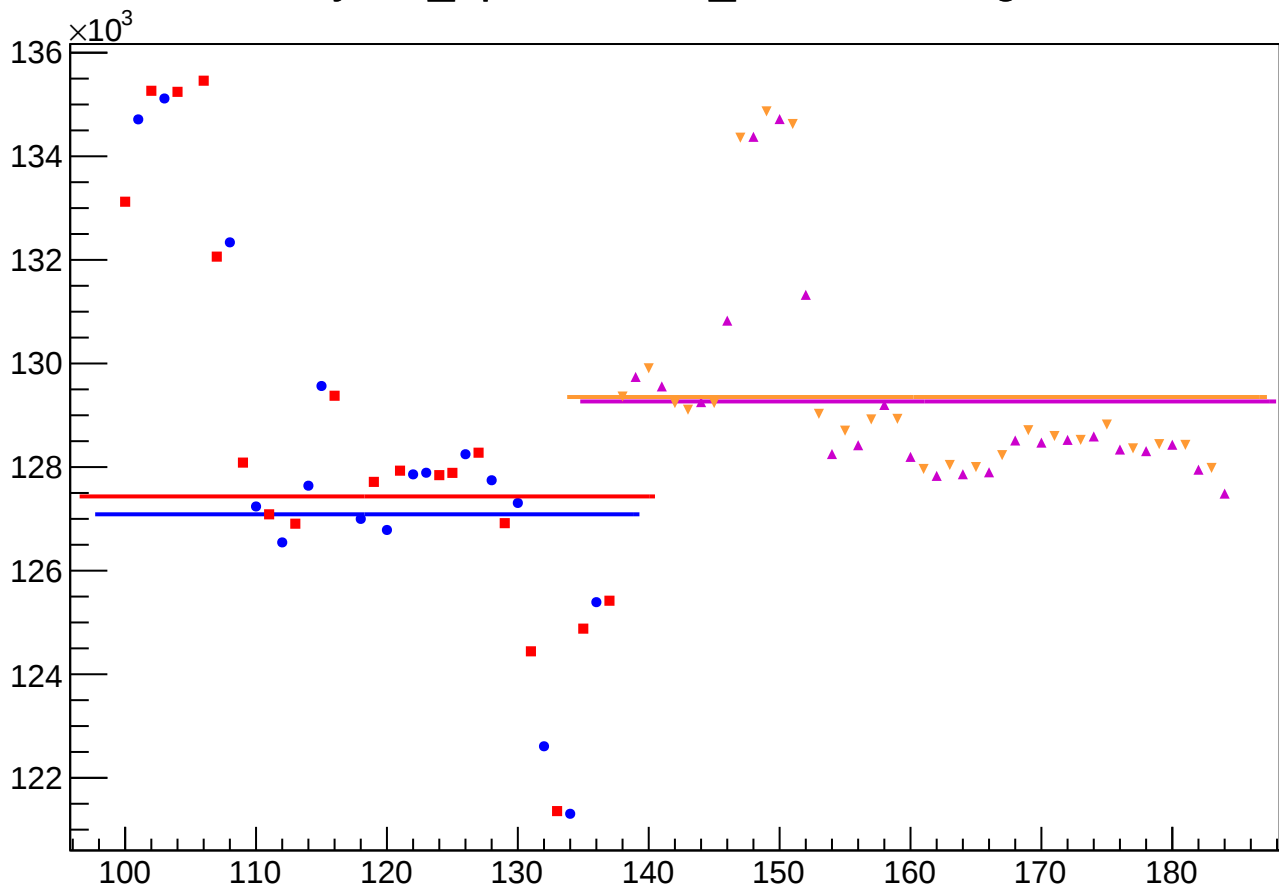
Left In: 197.471 ± 0.034 $\chi^2/\text{NDF}: 791577.5/22$

+ sign 186.417 ± 0.027 $\chi^2/\text{NDF}: 2356258.2/40$

All: 184.965 ± 0.019 $\chi^2/\text{NDF}: 4991365.5/82$

- sign 183.526 ± 0.027 $\chi^2/\text{NDF}: 2629546.6/41$

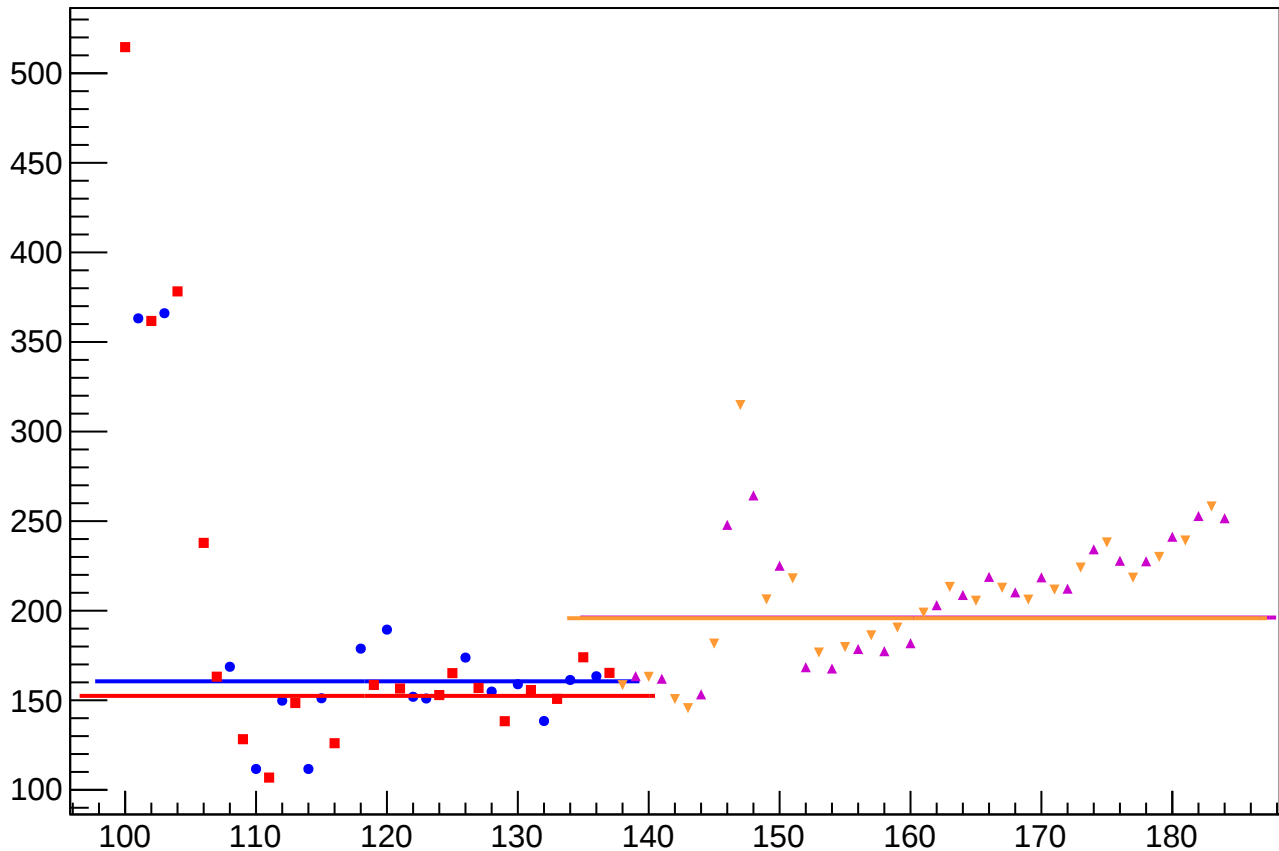
yield_bpm0l05WS_mean vs Slug



Right In: 127088.167 ± 0.066 $\chi^2/\text{NDF}: 1716591601.9/16$
 Left Out: 129352.613 ± 0.047 $\chi^2/\text{NDF}: 1441318554.0/23$
 Right Out: 127433.358 ± 0.062 $\chi^2/\text{NDF}: 2081739412.0/18$
 Left In: 129266.909 ± 0.048 $\chi^2/\text{NDF}: 1213762773.1/22$

All: 128582.792 ± 0.027 $\chi^2/\text{NDF}: 777681322$
 + sign 128594.865 ± 0.038 $\chi^2/\text{NDF}: 3930878084.6$
 - sign 128571.032 ± 0.038 $\chi^2/\text{NDF}: 3845740340.6$

yield_bpm0l05WS_rms vs Slug



Right In: 160.589 ± 0.047 χ^2/NDF : 942522.1/16

Left Out: 195.810 ± 0.033 χ^2/NDF : 945419.0/23

Right Out: 152.452 ± 0.044 χ^2/NDF : 1084973.3/18

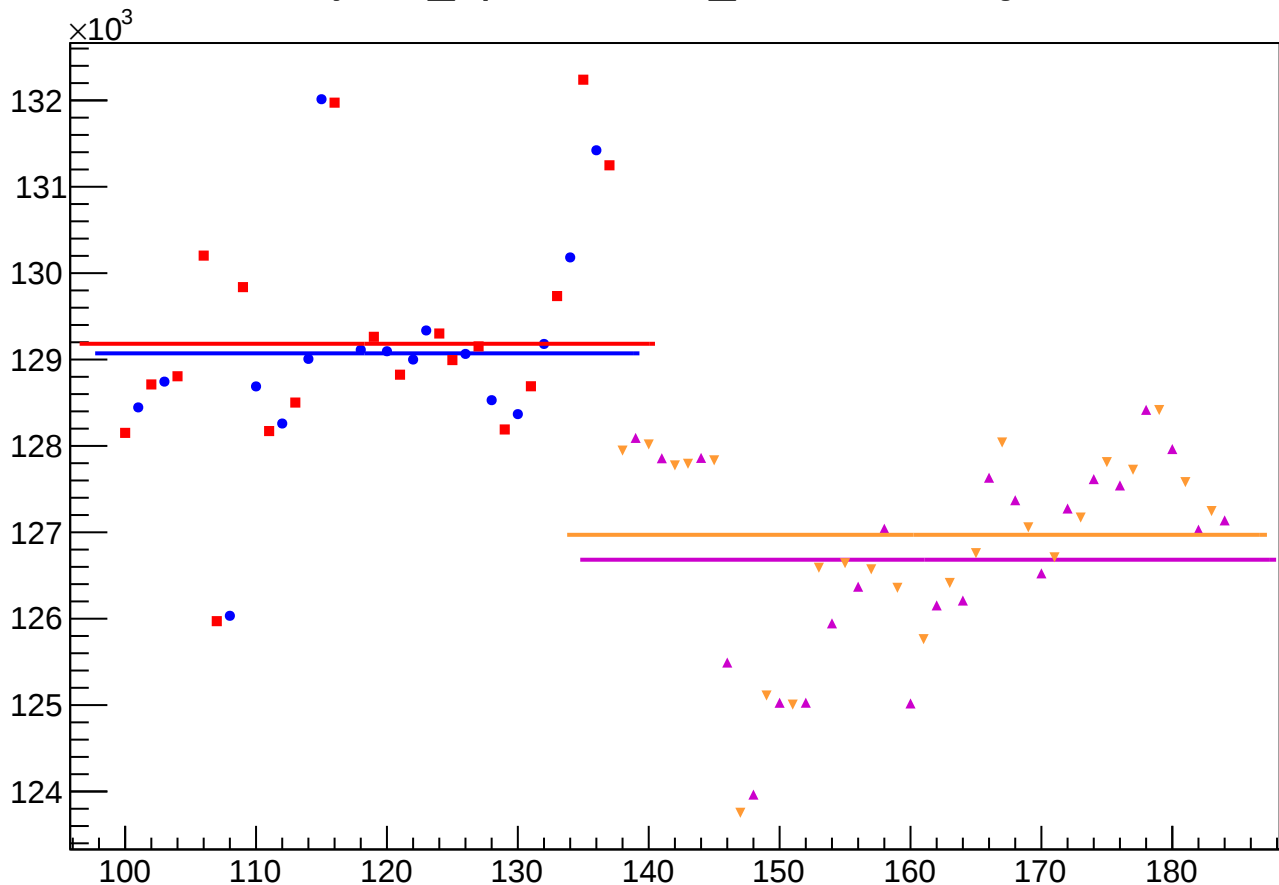
Left In: 196.186 ± 0.034 χ^2/NDF : 898058.0/22

+ sign 184.024 ± 0.027 χ^2/NDF : 2261953.9/40

All: 181.777 ± 0.019 χ^2/NDF : 4884575.9/82

- sign 179.588 ± 0.027 χ^2/NDF : 2609123.5/41

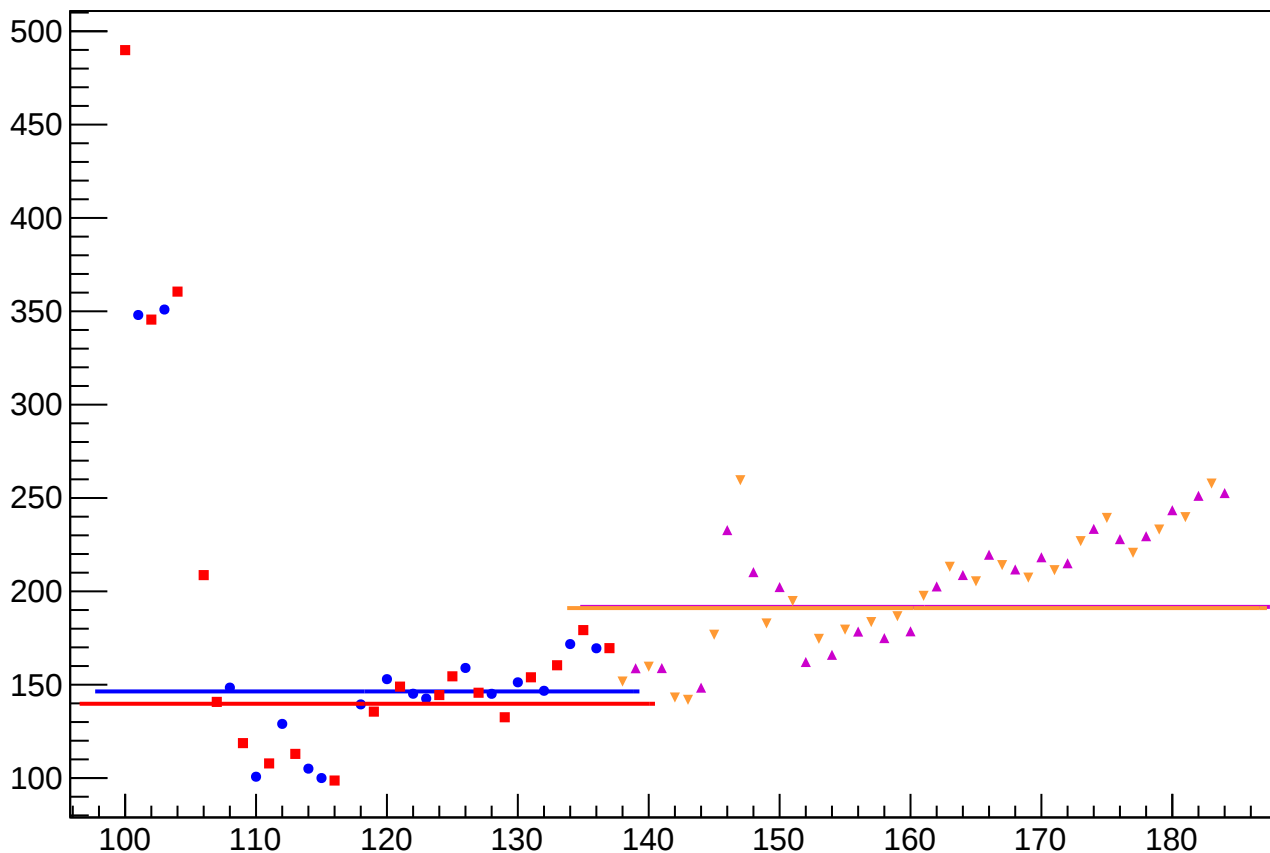
yield_bpm0l06WS_mean vs Slug



Right In: 129071.617 ± 0.060 $\chi^2/\text{NDF}: 476291091.1/16$
 Left Out: 126971.022 ± 0.046 $\chi^2/\text{NDF}: 527298845.7/23$
 Right Out: 129182.486 ± 0.056 $\chi^2/\text{NDF}: 625425272.9/18$
 Left In: 126682.659 ± 0.047 $\chi^2/\text{NDF}: 660415880.0/22$

+ sign 127742.156 ± 0.037 $\chi^2/\text{NDF}: 1772314417.4$
 All: 127727.326 ± 0.026 $\chi^2/\text{NDF}: 422470358$
 - sign 127712.889 ± 0.036 $\chi^2/\text{NDF}: 2452063720.1/$

yield_bpm0l06WS_rms vs Slug



Right In: 146.401 $\pm$ 0.043 χ^2 /NDF: 1066973.0/16

Left Out: 191.038 $\pm$ 0.032 χ^2 /NDF: 952145.9/23

Right Out: 139.793 $\pm$ 0.040 χ^2 /NDF: 1200865.0/18

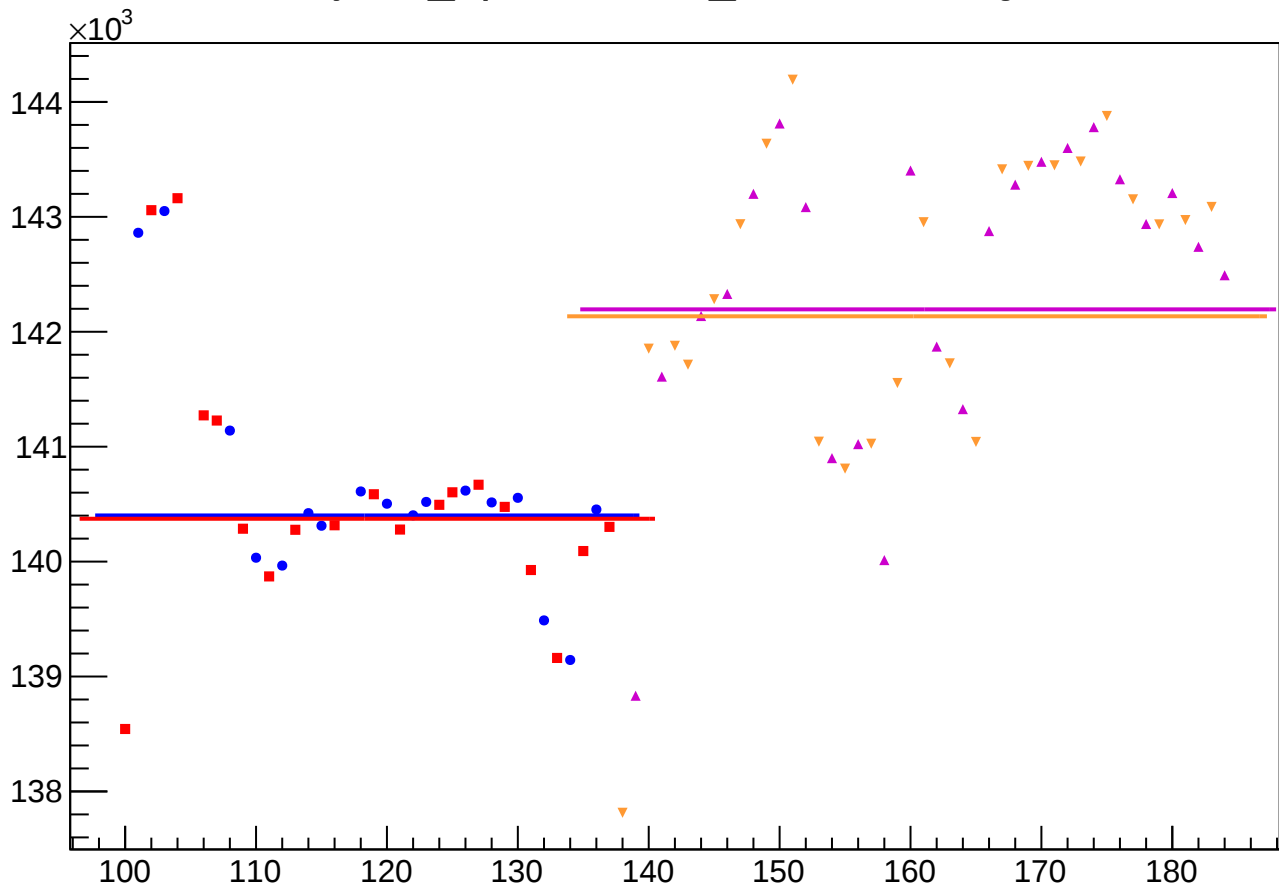
Left In: 191.683 $\pm$ 0.033 χ^2 /NDF: 864384.9/22

+ sign 174.652 $\pm$ 0.026 χ^2 /NDF: 2713347.6/40

All: 172.445 $\pm$ 0.018 χ^2 /NDF: 5797966.4/82

- sign 170.298 $\pm$ 0.025 χ^2 /NDF: 3070214.5/41

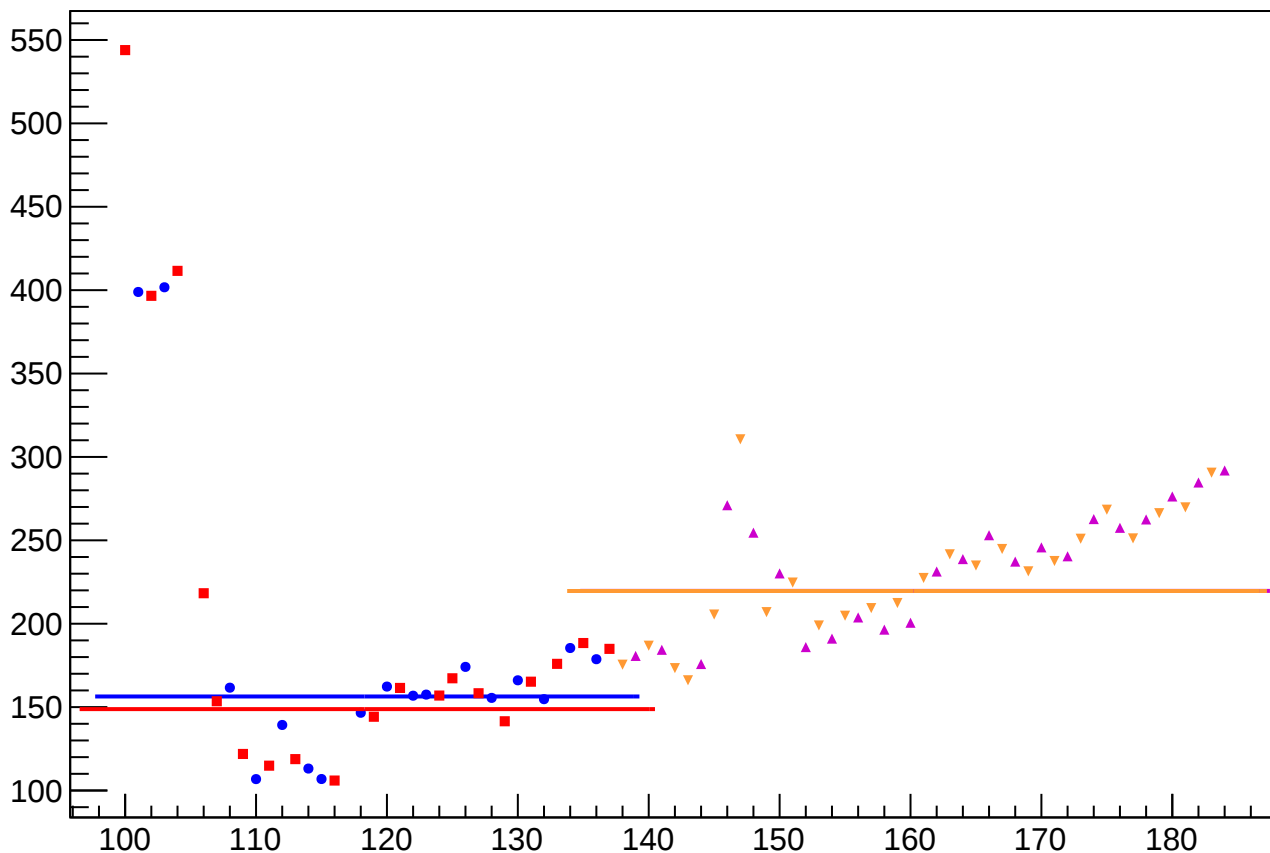
yield_bpm0l07WS_mean vs Slug



Right In: 140401.573 $\pm$ 0.064 χ^2 /NDF: 88055814.0/16
 Left Out: 142134.624 $\pm$ 0.053 χ^2 /NDF: 813216665.9/23
 Right Out: 140372.890 $\pm$ 0.060 χ^2 /NDF: 99844698.8/18
 Left In: 142195.020 $\pm$ 0.054 χ^2 /NDF: 644030906.9/22

+ sign 141439.590 $\pm$ 0.041 χ^2 /NDF: 1334178686.1/23
 All: 141409.305 $\pm$ 0.029 χ^2 /NDF: 259092249.0/23
 - sign 141380.161 $\pm$ 0.040 χ^2 /NDF: 1255663816.4/23

yield_bpm0l07WS_rms vs Slug



Right In: 156.377 $\pm$ 0.046 χ^2 /NDF: 1154470.5/16

Left Out: 219.621 $\pm$ 0.037 χ^2 /NDF: 836502.2/23

Right Out: 148.800 $\pm$ 0.042 χ^2 /NDF: 1304529.7/18

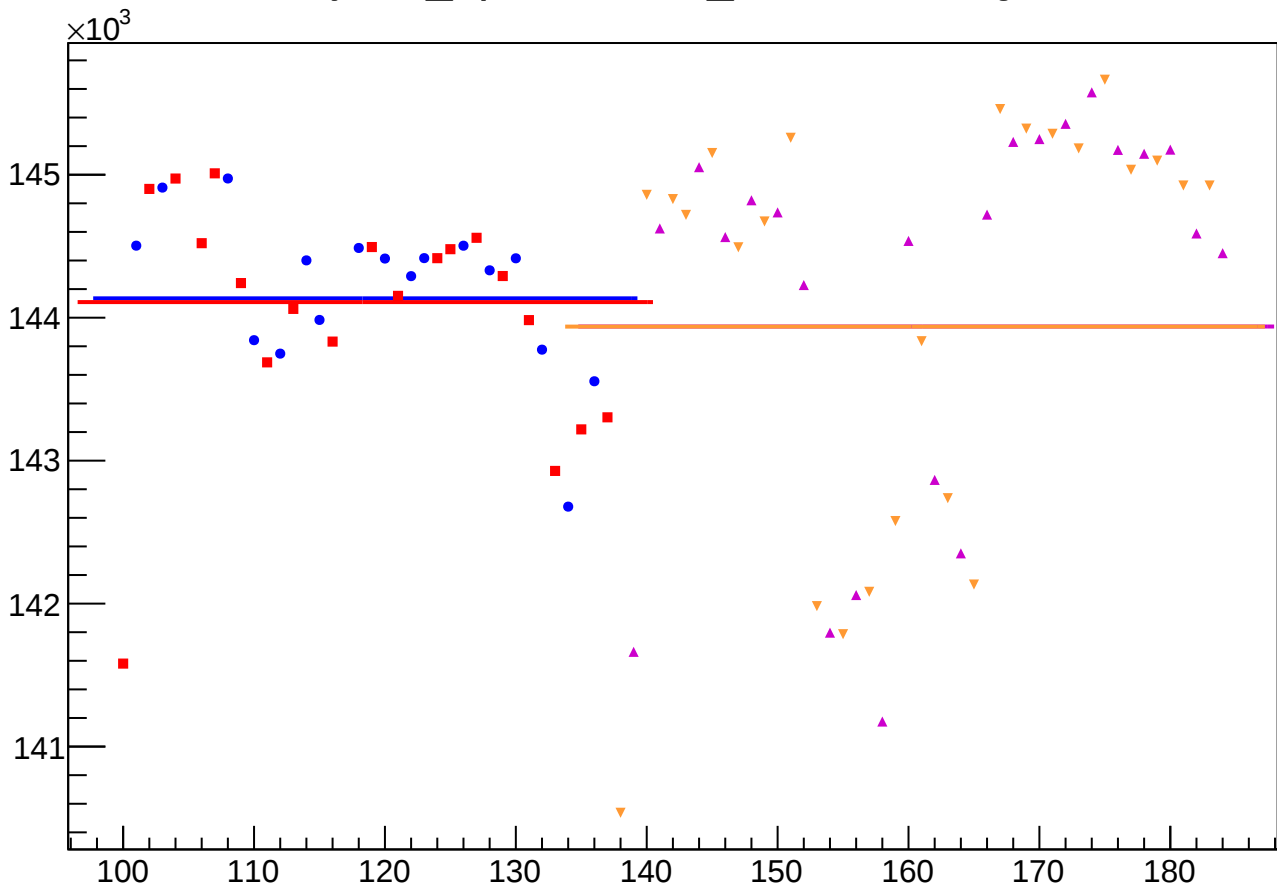
Left In: 219.685 $\pm$ 0.038 χ^2 /NDF: 812745.1/22

+ sign 194.257 $\pm$ 0.029 χ^2 /NDF: 3144024.0/40

All: 191.061 $\pm$ 0.020 χ^2 /NDF: 6834417.2/82

- sign 187.985 $\pm$ 0.028 χ^2 /NDF: 3666332.4/41

yield_bpm0l08WS_mean vs Slug



Right In: 144135.363 ± 0.067 $\chi^2/\text{NDF}: 47030717.0/16$

Left Out: 143937.668 ± 0.053 $\chi^2/\text{NDF}: 860687151.7/23$

Right Out: 144109.137 ± 0.062 $\chi^2/\text{NDF}: 65233259.1/18$

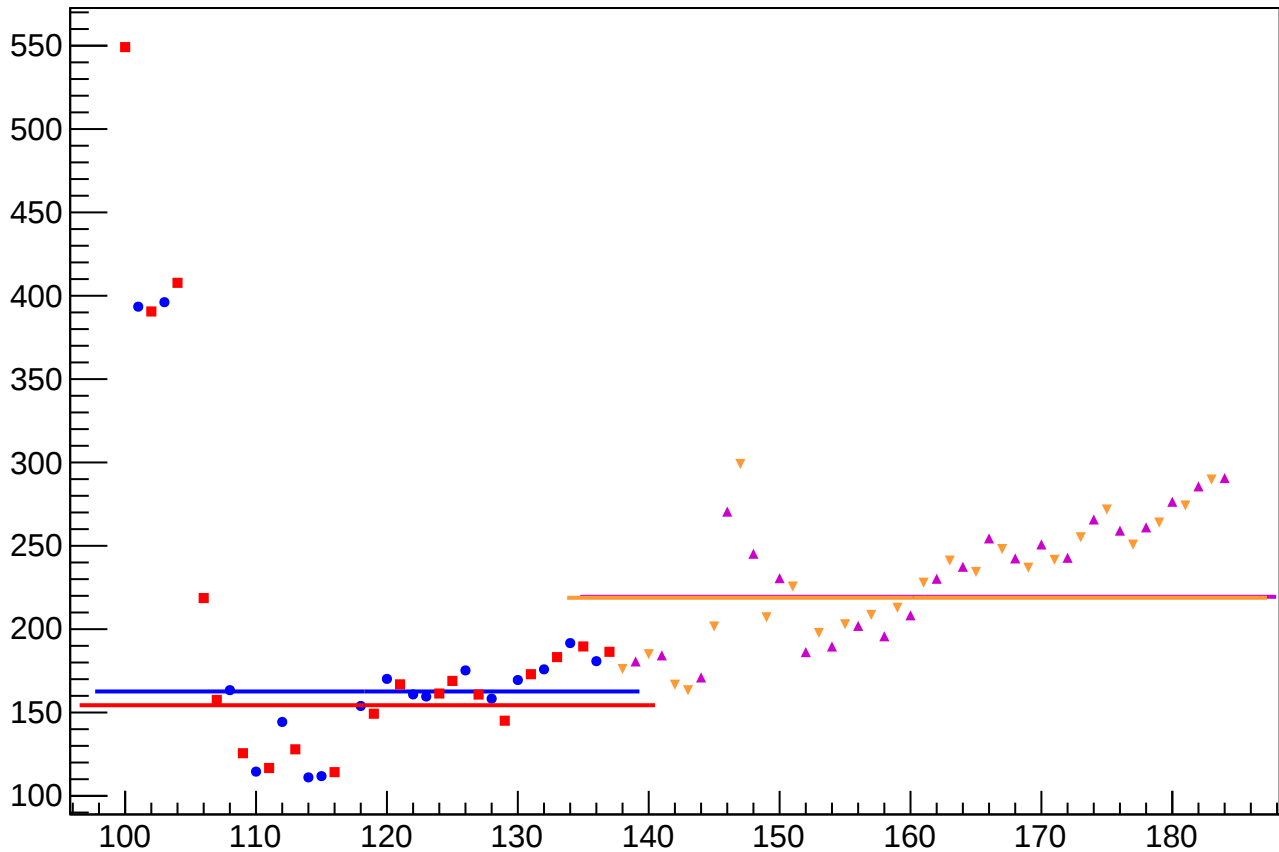
Left In: 143938.288 ± 0.054 $\chi^2/\text{NDF}: 719814685.6/22$

+ sign 144013.197 ± 0.041 $\chi^2/\text{NDF}: 913118274.2/4$

All: 144012.527 ± 0.029 $\chi^2/\text{NDF}: 170250395$

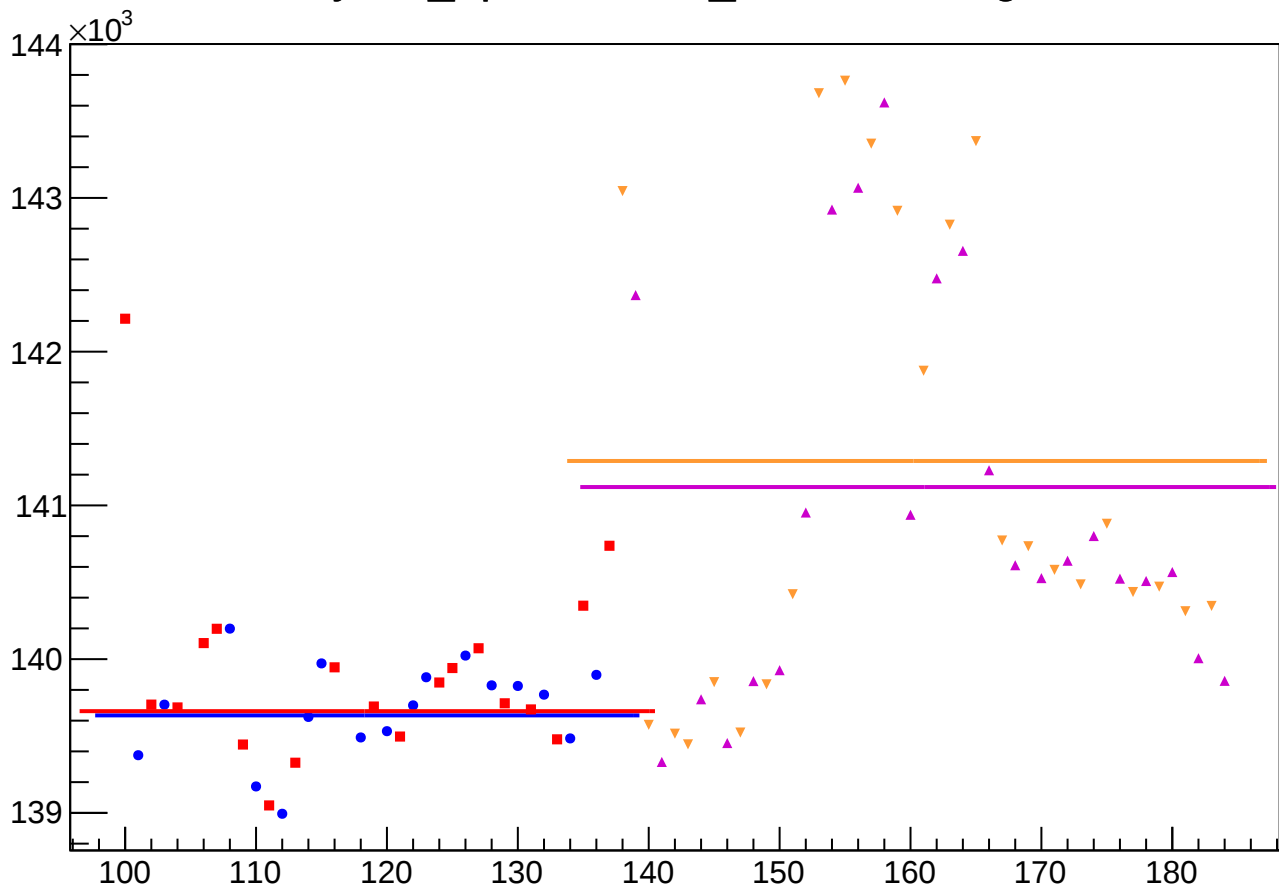
- sign 144011.880 ± 0.041 $\chi^2/\text{NDF}: 789385168.3/4$

yield_bpm0l08WS_rms vs Slug



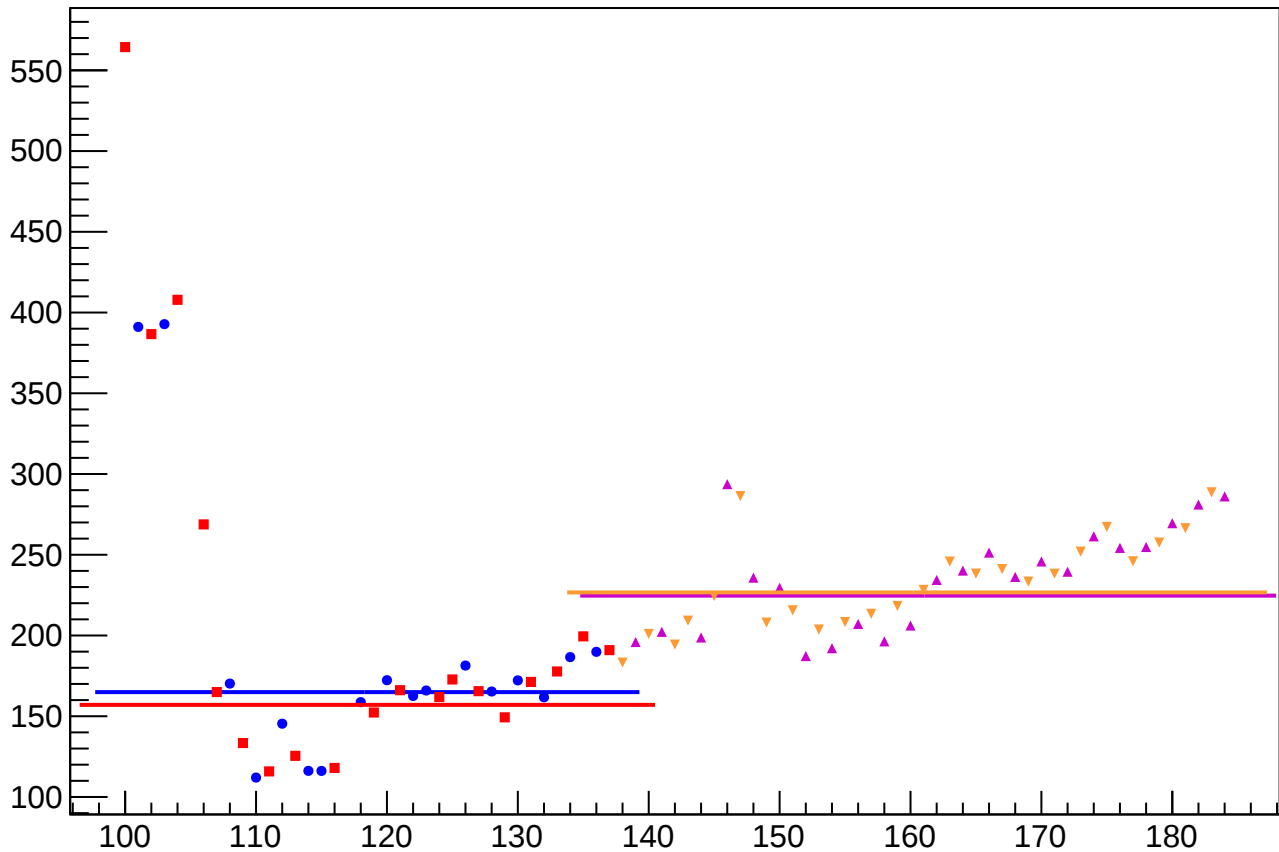
Right In: 162.634 $\pm$ 0.047 χ^2 /NDF: 1069524.2/16 + sign 197.360 $\pm$ 0.029 χ^2 /NDF: 2838721.2/40
 Left Out: 218.829 $\pm$ 0.037 χ^2 /NDF: 896506.7/23 All: 194.332 $\pm$ 0.020 χ^2 /NDF: 6181819.7/82
 Right Out: 154.377 $\pm$ 0.044 χ^2 /NDF: 1214462.2/18 - sign 191.407 $\pm$ 0.029 χ^2 /NDF: 3321995.5/41
 Left In: 219.426 $\pm$ 0.038 χ^2 /NDF: 850089.5/22

yield_bpm0l09WS_mean vs Slug



Right In: 139634.248 $\pm$ 0.068	χ^2/NDF : 24816599.6/16	+ sign 140646.817 $\pm$ 0.042	χ^2/NDF : 1173511448.9
Left Out: 141289.032 $\pm$ 0.054	χ^2/NDF : 785489077.7/23	All: 140567.205 $\pm$ 0.030	χ^2/NDF : 208795583
Right Out: 139661.708 $\pm$ 0.063	χ^2/NDF : 38354381.9/18	- sign 140490.928 $\pm$ 0.041	χ^2/NDF : 907512596.5/4
Left In: 141119.484 $\pm$ 0.055	χ^2/NDF : 565312728.1/22		

yield_bpm0l09WS_rms vs Slug



Right In: 164.938 $\pm$ 0.048 χ^2 /NDF: 1064403.1/16

Left Out: 226.672 $\pm$ 0.038 χ^2 /NDF: 465151.1/23

Right Out: 157.047 $\pm$ 0.045 χ^2 /NDF: 1242666.6/18

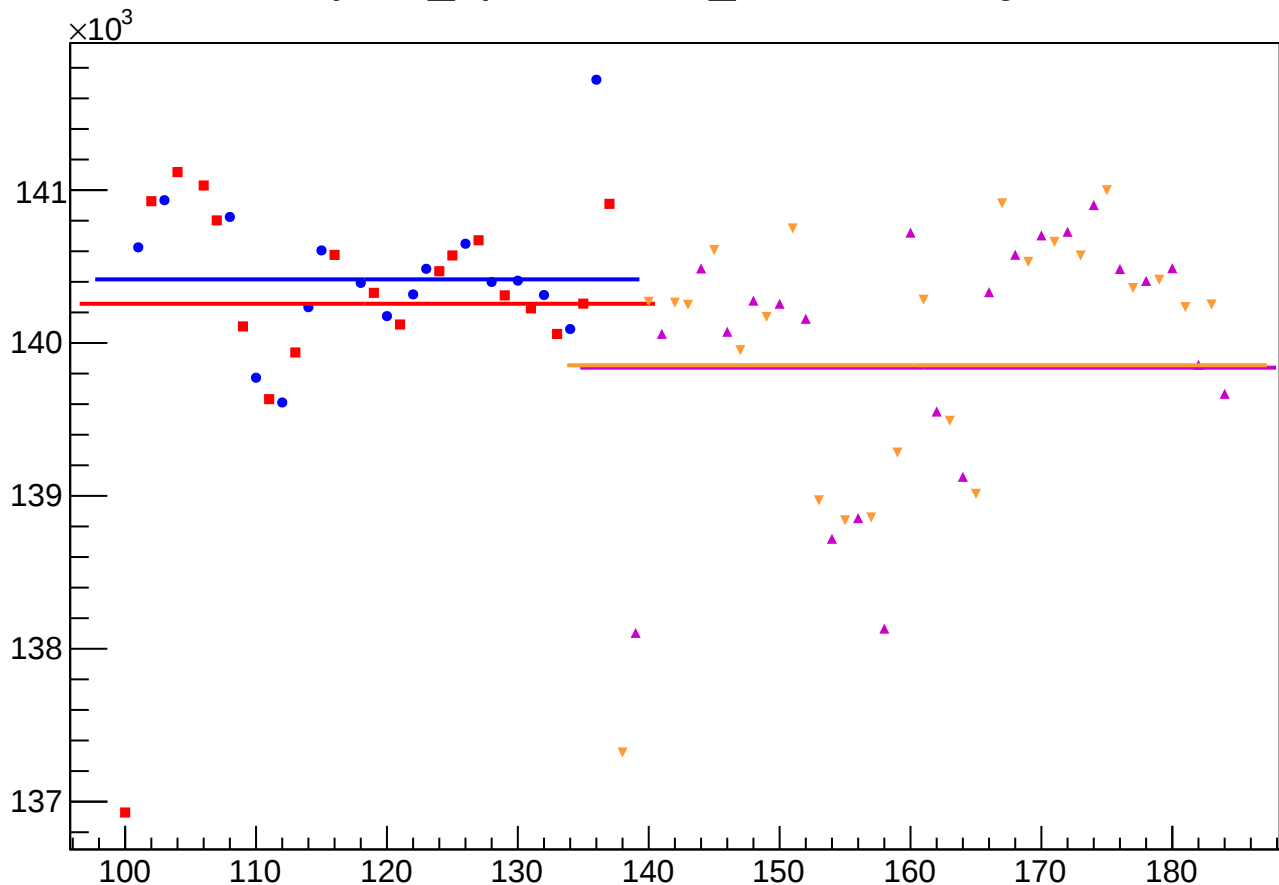
Left In: 224.686 $\pm$ 0.039 χ^2 /NDF: 578366.0/22

+ sign 202.713 $\pm$ 0.030 χ^2 /NDF: 2540544.5/40

All: 199.041 $\pm$ 0.021 χ^2 /NDF: 5699338.0/82

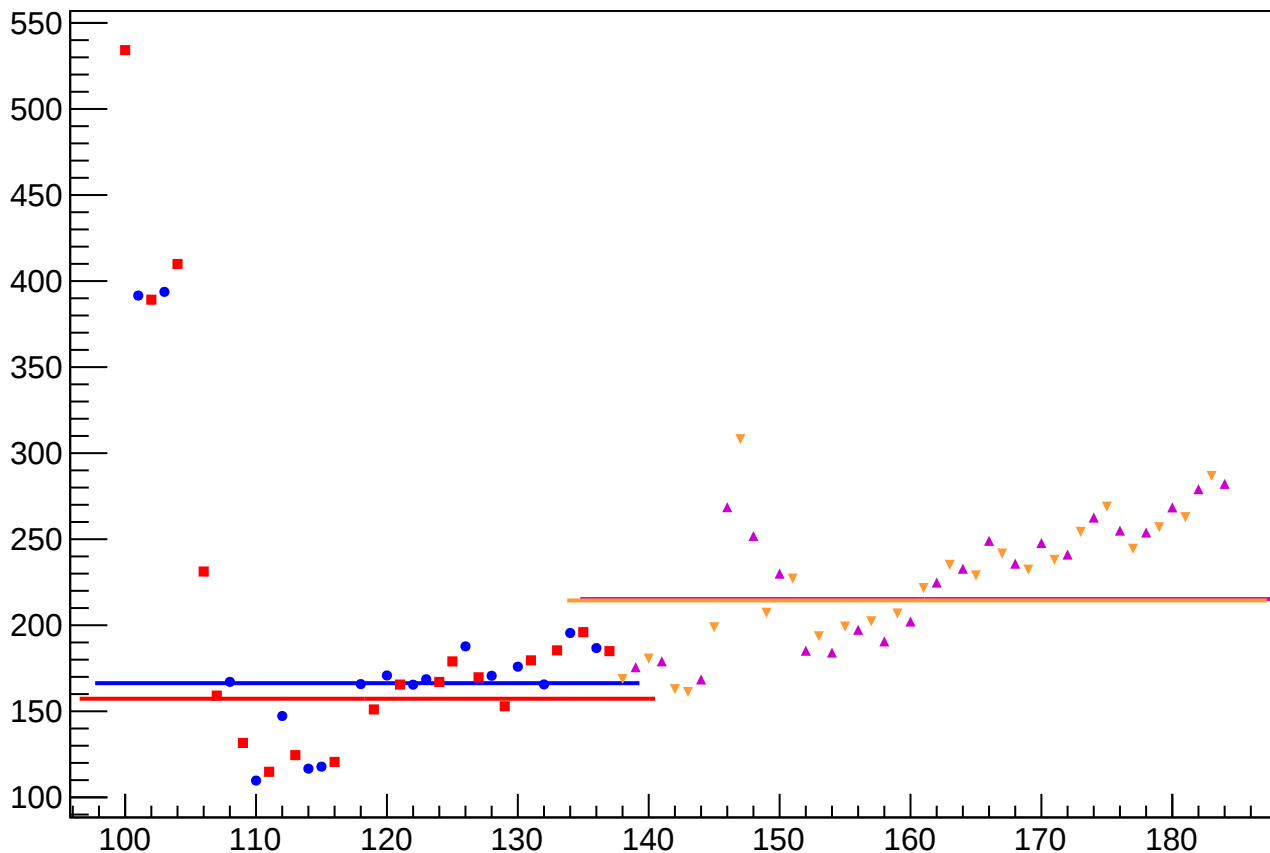
- sign 195.522 $\pm$ 0.029 χ^2 /NDF: 3129295.7/41

yield_bpm0l10WS_mean vs Slug



Right In: 140416.183 $\pm$ 0.069	χ^2 /NDF: 69956735.1/16	+ sign 140057.407 $\pm$ 0.041	χ^2 /NDF: 442385807.0/4
Left Out: 139854.463 $\pm$ 0.052	χ^2 /NDF: 329484316.5/23	All: 140033.616 $\pm$ 0.029	χ^2 /NDF: 786418520
Right Out: 140256.621 $\pm$ 0.063	χ^2 /NDF: 38038769.4/18	- sign 140010.585 $\pm$ 0.041	χ^2 /NDF: 343375676.0/4
Left In: 139838.724 $\pm$ 0.053	χ^2 /NDF: 279573689.3/22		

yield_bpm0l10WS_rms vs Slug



Right In: 166.338 $\pm$ 0.048 χ^2 /NDF: 1081005.6/16

Left Out: 214.412 $\pm$ 0.036 χ^2 /NDF: 945717.2/23

Right Out: 157.302 $\pm$ 0.045 χ^2 /NDF: 1226210.5/18

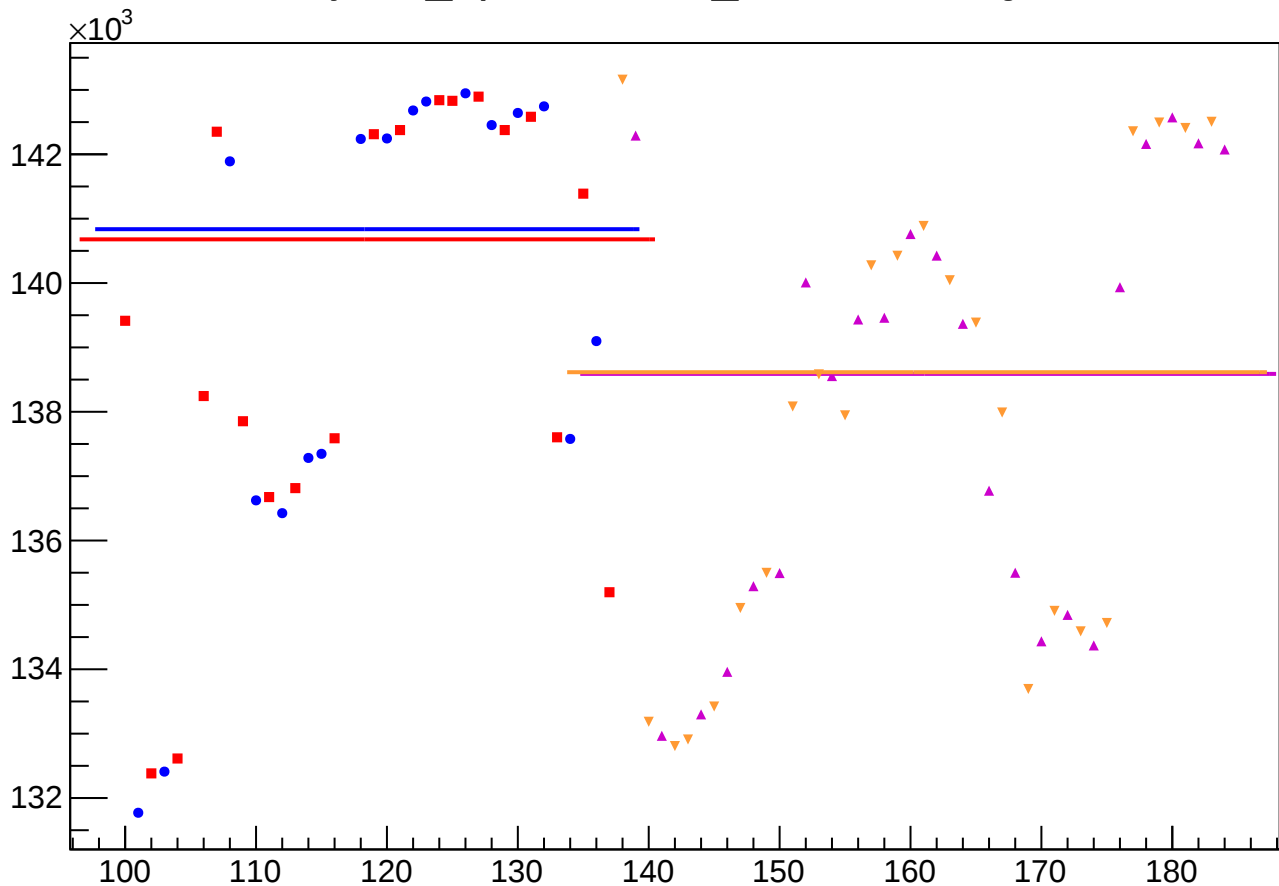
Left In: 215.222 $\pm$ 0.037 χ^2 /NDF: 881945.0/22

+ sign 197.043 $\pm$ 0.029 χ^2 /NDF: 2655847.1/40

All: 194.177 $\pm$ 0.020 χ^2 /NDF: 5772857.3/82

- sign 191.402 $\pm$ 0.029 χ^2 /NDF: 3097935.9/41

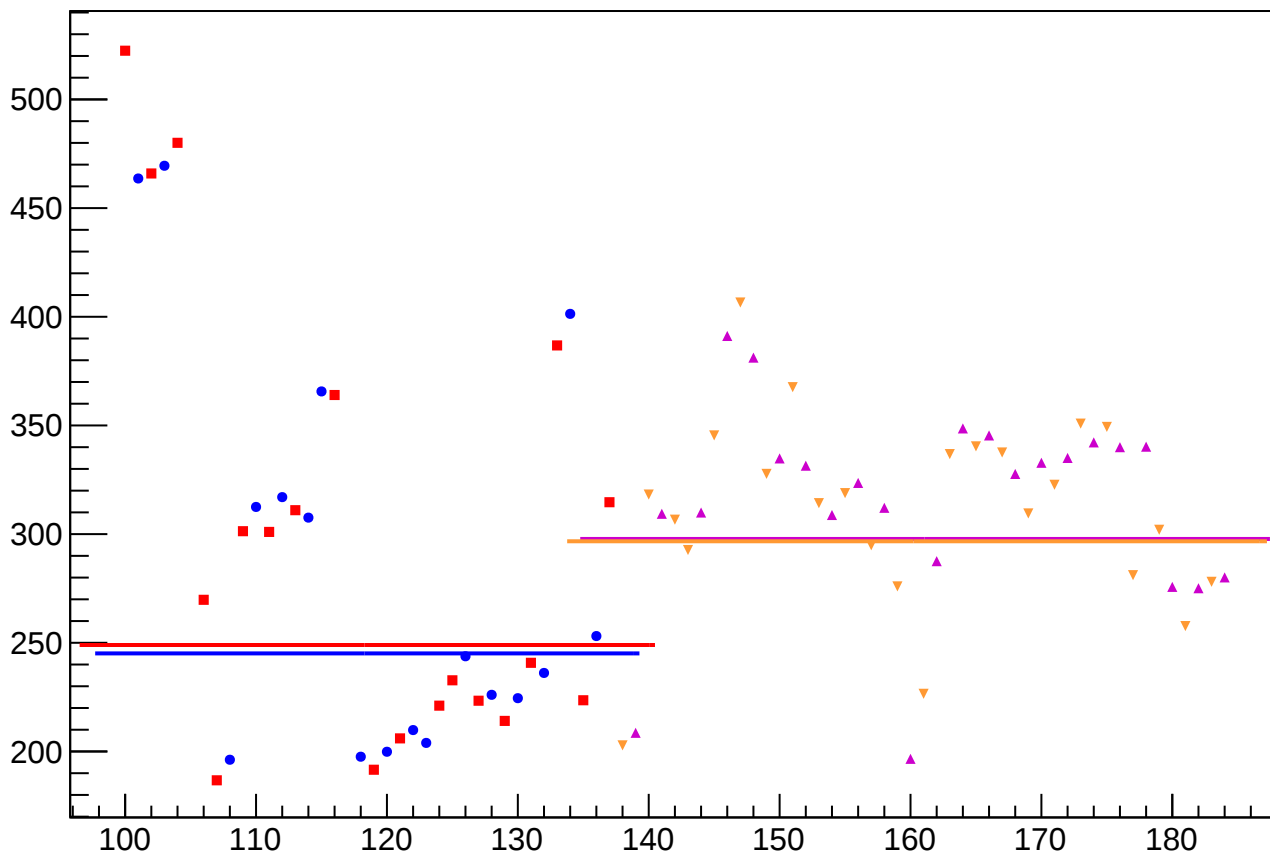
yield_bpm0r03WS_mean vs Slug



Right In: 140836.633 ± 0.100 χ^2/NDF : 821253018.3/16
 Left Out: 138614.875 ± 0.072 χ^2/NDF : 2467495989.7/23
 Right Out: 140678.692 ± 0.099 χ^2/NDF : 840853098.4/18
 Left In: 138588.711 ± 0.074 χ^2/NDF : 1948065195.1/22

+ sign 139366.549 ± 0.058 χ^2/NDF : 3614232272.5
 All: 139349.707 ± 0.041 χ^2/NDF : 668975249
 - sign 139332.367 ± 0.059 χ^2/NDF : 3075350652.3/

yield_bpm0r03WS_rms vs Slug



Right In: 245.117 $\pm$ 0.071 χ^2 /NDF: 868050.1/16

Left Out: 296.708 $\pm$ 0.051 χ^2 /NDF:891069.5/23

Right Out: 248.984 $\pm$ 0.070 χ^2 /NDF: 1011335.0/18

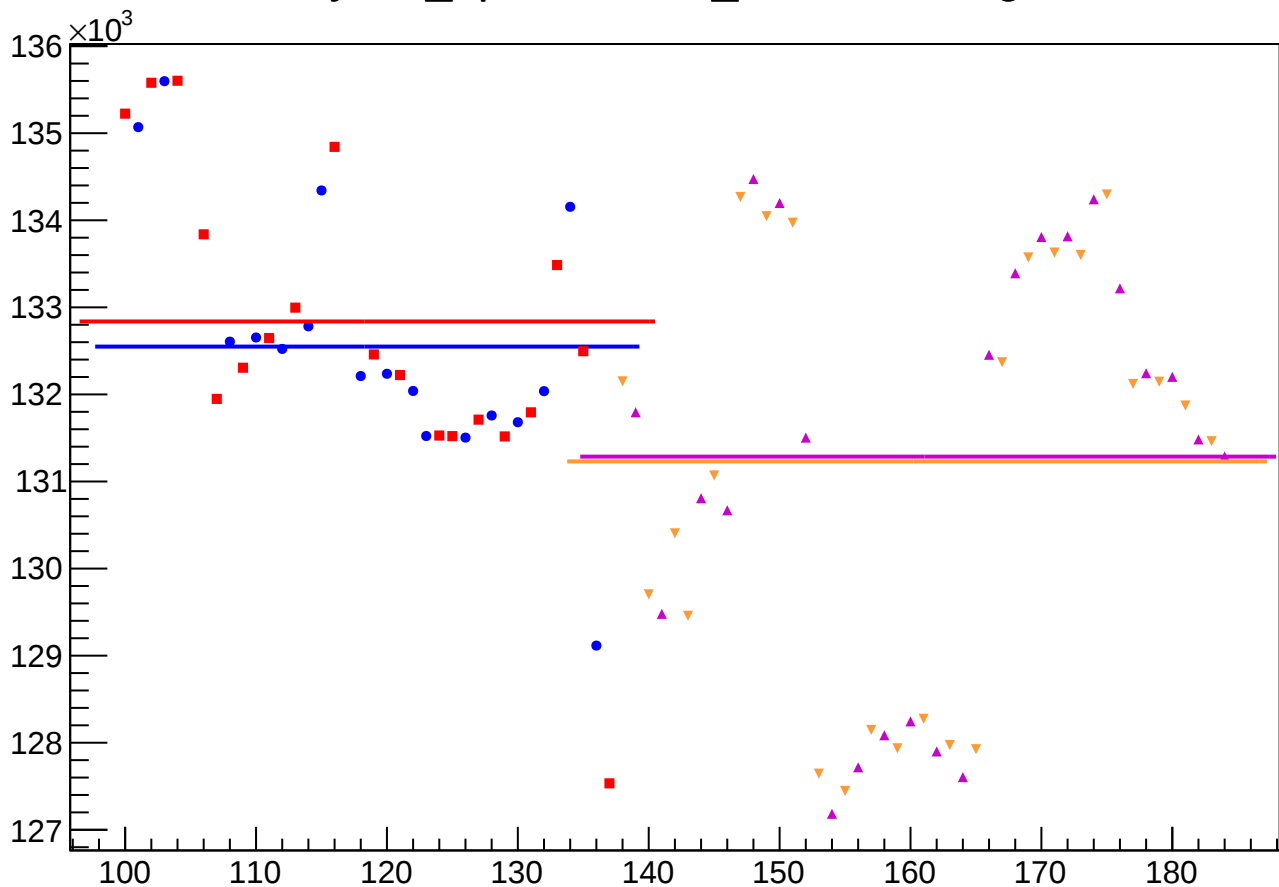
Left In: 297.774 $\pm$ 0.052 χ^2 /NDF:1061489.5/22

+ sign 279.253 $\pm$ 0.041 χ^2 /NDF: 2110122.7/40

All: 279.825 $\pm$ 0.029 χ^2 /NDF: 4495544.5/82

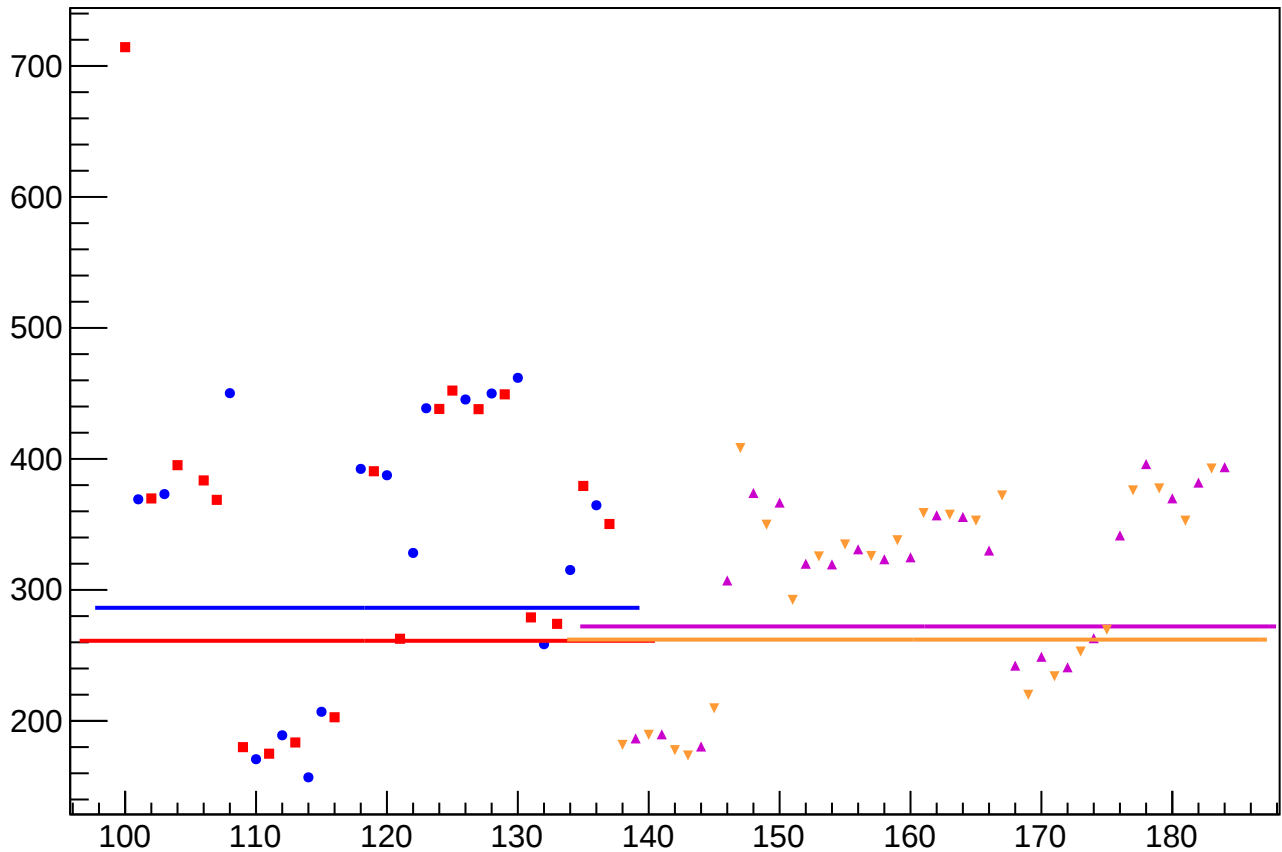
- sign 280.414 $\pm$ 0.042 χ^2 /NDF: 2385030.9/41

yield_bpm0r05WS_mean vs Slug



Right In: 132549.335 $\pm$ 0.120	χ^2/NDF : 161038742.0/16	+ sign 131530.177 $\pm$ 0.057	χ^2/NDF : 1421618612.6
Left Out: 131230.918 $\pm$ 0.065	χ^2/NDF : 1166711817.6/23	All: 131631.411 $\pm$ 0.041	χ^2/NDF : 278319403
Right Out: 132837.715 $\pm$ 0.107	χ^2/NDF : 149672642.4/18	- sign 131734.800 $\pm$ 0.058	χ^2/NDF : 1355199960.9/
Left In: 131285.623 $\pm$ 0.068	χ^2/NDF : 1056232192.1/22		

yield_bpm0r05WS_rms vs Slug



Right In: 286.338 ± 0.085 $\chi^2/\text{NDF}: 1514049.7/16$

Left Out: 262.065 ± 0.046 $\chi^2/\text{NDF}: 2740614.1/23$

Right Out: 261.146 ± 0.076 $\chi^2/\text{NDF}: 1614381.3/18$

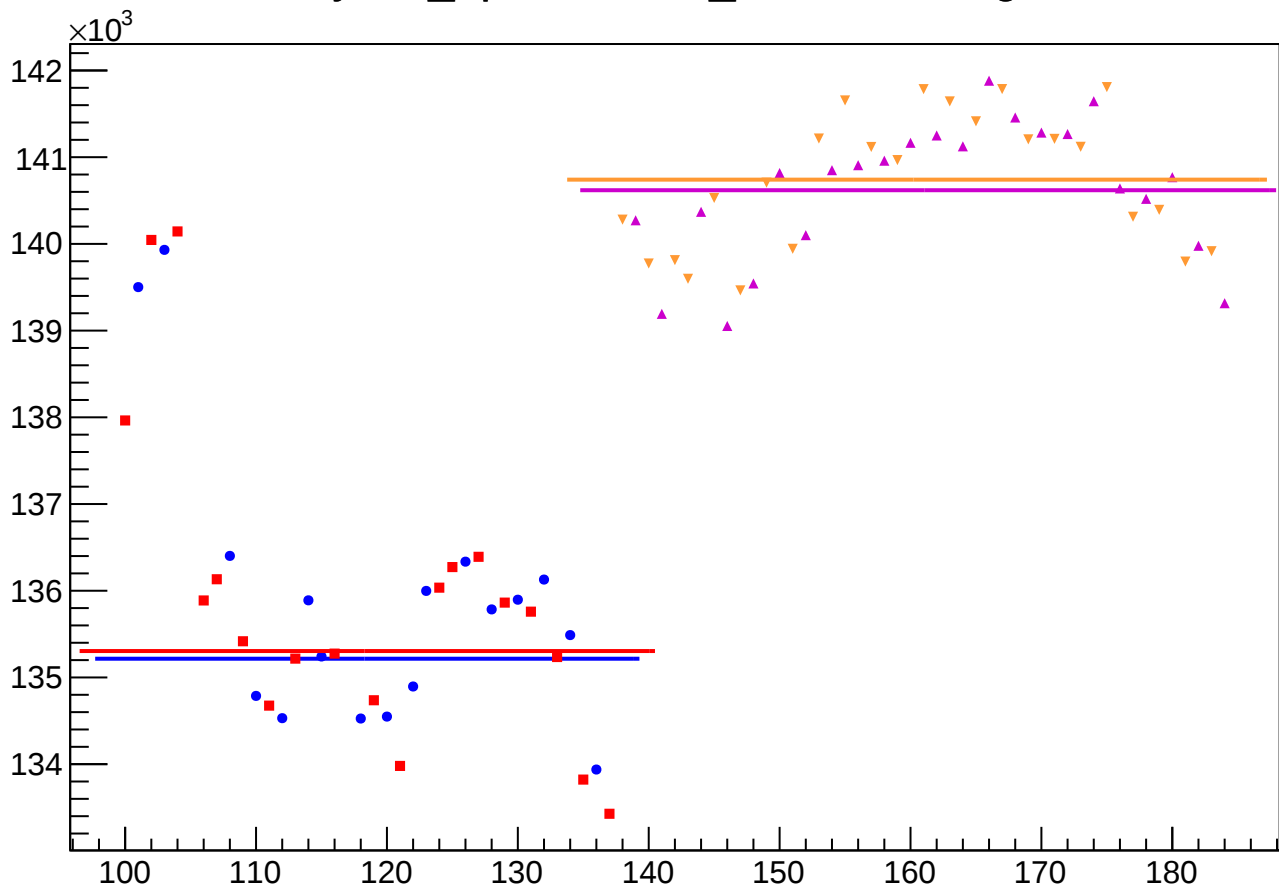
Left In: 272.115 ± 0.048 $\chi^2/\text{NDF}: 2221925.0/22$

+ sign 267.575 ± 0.040 $\chi^2/\text{NDF}: 4318294.4/40$

All: 268.250 ± 0.029 $\chi^2/\text{NDF}: 8170080.6/82$

- sign 268.940 ± 0.041 $\chi^2/\text{NDF}: 3851218.2/41$

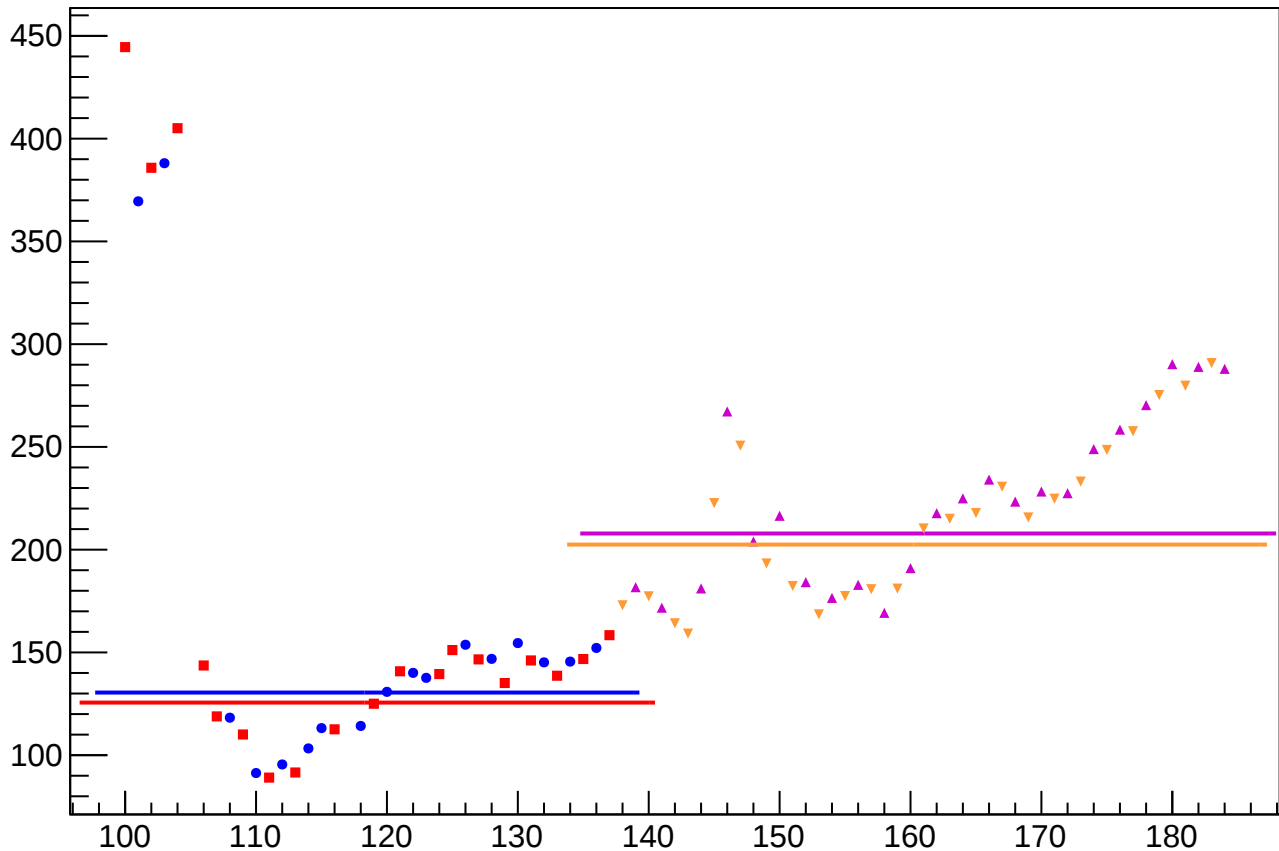
yield_bpm0i02WS_mean vs Slug



Right In: 135216.054 ± 0.054 $\chi^2/\text{NDF}: 371419425.6/16$
 Left Out: 140741.060 ± 0.049 $\chi^2/\text{NDF}: 236509027.8/23$
 Right Out: 135304.602 ± 0.051 $\chi^2/\text{NDF}: 357443836.5/18$
 Left In: 140619.038 ± 0.051 $\chi^2/\text{NDF}: 200370178.0/22$

+ sign 138281.339 ± 0.036 $\chi^2/\text{NDF}: 6324031547.6$
 All: 138122.672 ± 0.026 $\chi^2/\text{NDF}: 123235075$
 - sign 137965.494 ± 0.036 $\chi^2/\text{NDF}: 5961483107.8$

yield_bpm0i02WS_rms vs Slug



Right In: 130.478+/-0.038 χ^2/NDF : 1372969.9/16

Left Out: 202.487+/-0.034 χ^2/NDF :1007889.3/23

Right Out: 125.594+/-0.036 χ^2/NDF : 1434855.8/18

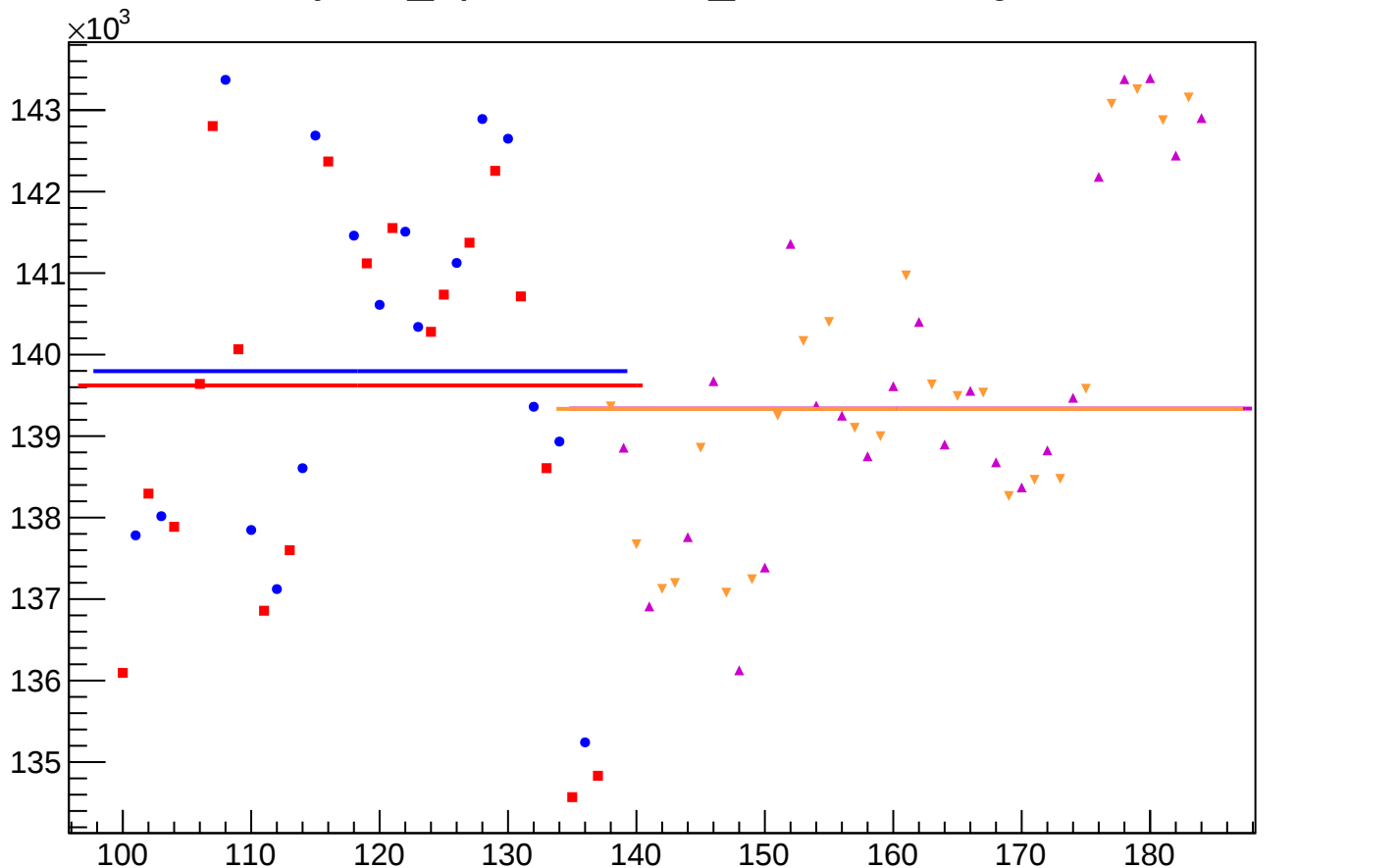
Left In: 207.872+/-0.036 χ^2/NDF :949200.3/22

+ sign 170.428+/-0.026 χ^2/NDF : 4322814.3/40

All: 168.601+/-0.018 χ^2/NDF : 9307357.1/82

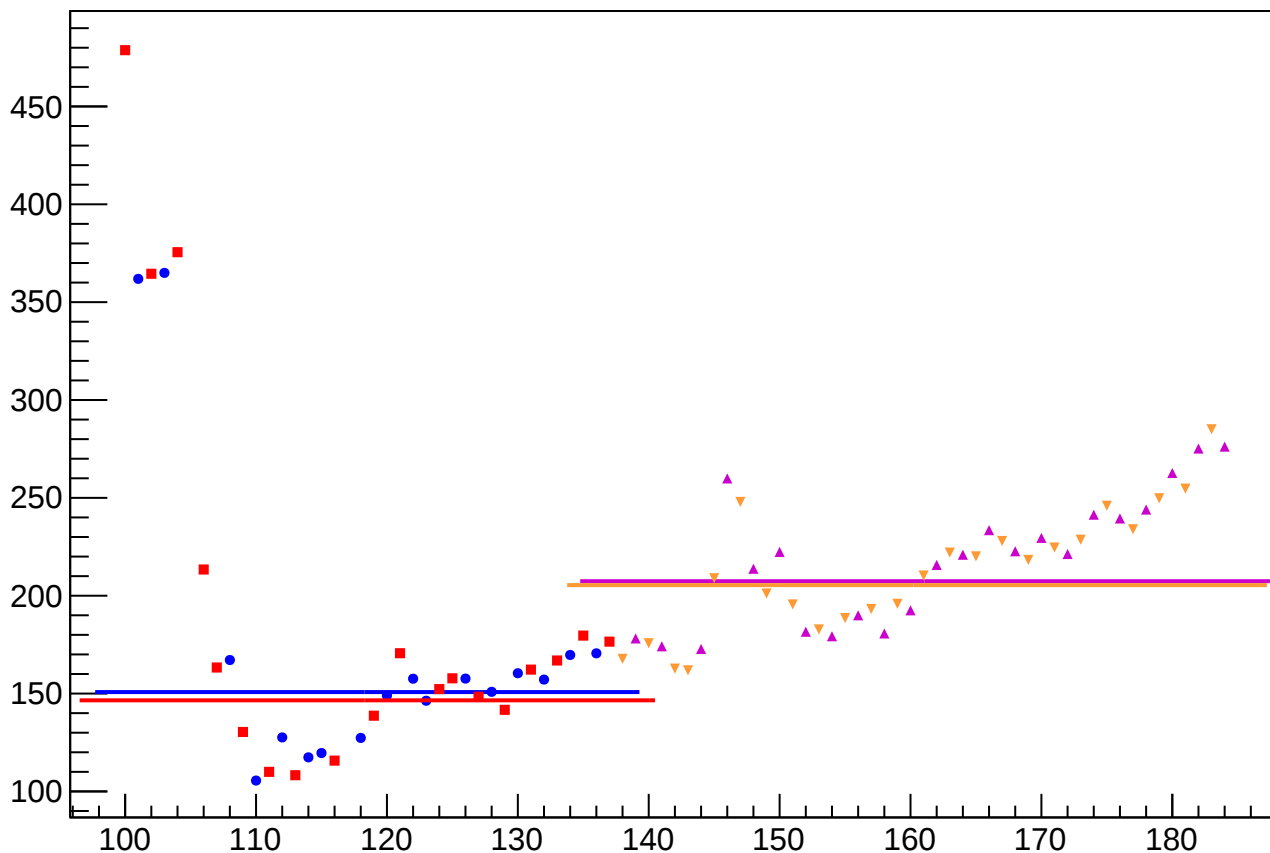
- sign 166.790+/-0.026 χ^2/NDF : 4974459.1/41

yield_bpm0i02aWS_mean vs Slug



Right In: 139796.979 $\pm$ 0.062	χ^2 /NDF: 1668151198.8/16	+ sign 139513.360 $\pm$ 0.039	χ^2 /NDF: 2911473270.1
Left Out: 139334.101 $\pm$ 0.049	χ^2 /NDF: 1209232621.4/23	All: 139485.849 $\pm$ 0.027	χ^2 /NDF: 572322798
Right Out: 139621.197 $\pm$ 0.059	χ^2 /NDF: 1504518858.4/18	- sign 139458.466 $\pm$ 0.039	χ^2 /NDF: 2810742095.4/22
Left In: 139337.874 $\pm$ 0.051	χ^2 /NDF: 1293003954.9/22		

yield_bpm0i02aWS_rms vs Slug



Right In: 150.766 $\pm$ 0.044 χ^2 /NDF: 1050110.5/16

Left Out: 205.417 $\pm$ 0.035 χ^2 /NDF: 702539.9/23

Right Out: 146.546 $\pm$ 0.042 χ^2 /NDF: 1200776.5/18

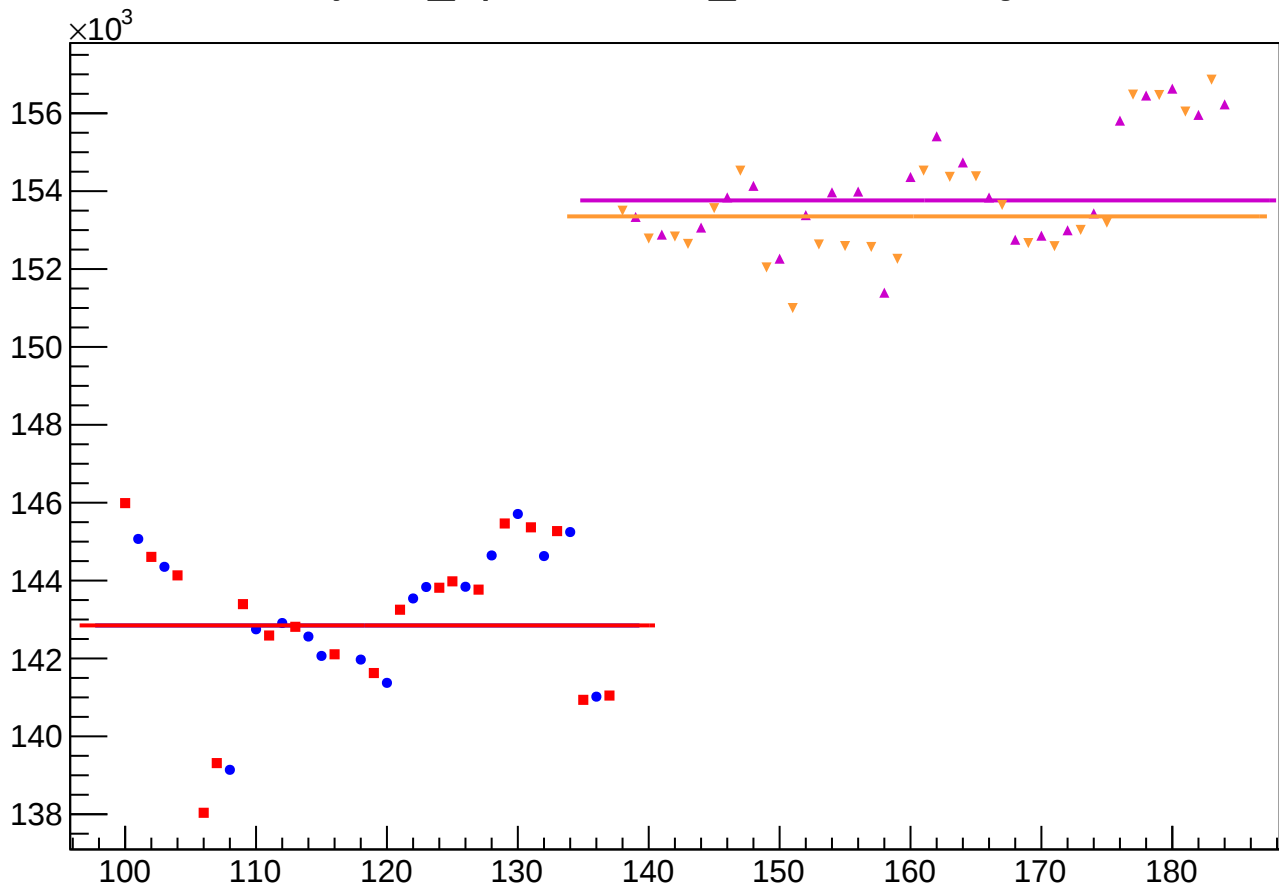
Left In: 207.416 $\pm$ 0.036 χ^2 /NDF: 701955.3/22

+ sign 184.252 $\pm$ 0.027 χ^2 /NDF: 2703061.1/40

All: 182.877 $\pm$ 0.019 χ^2 /NDF: 5831218.0/82

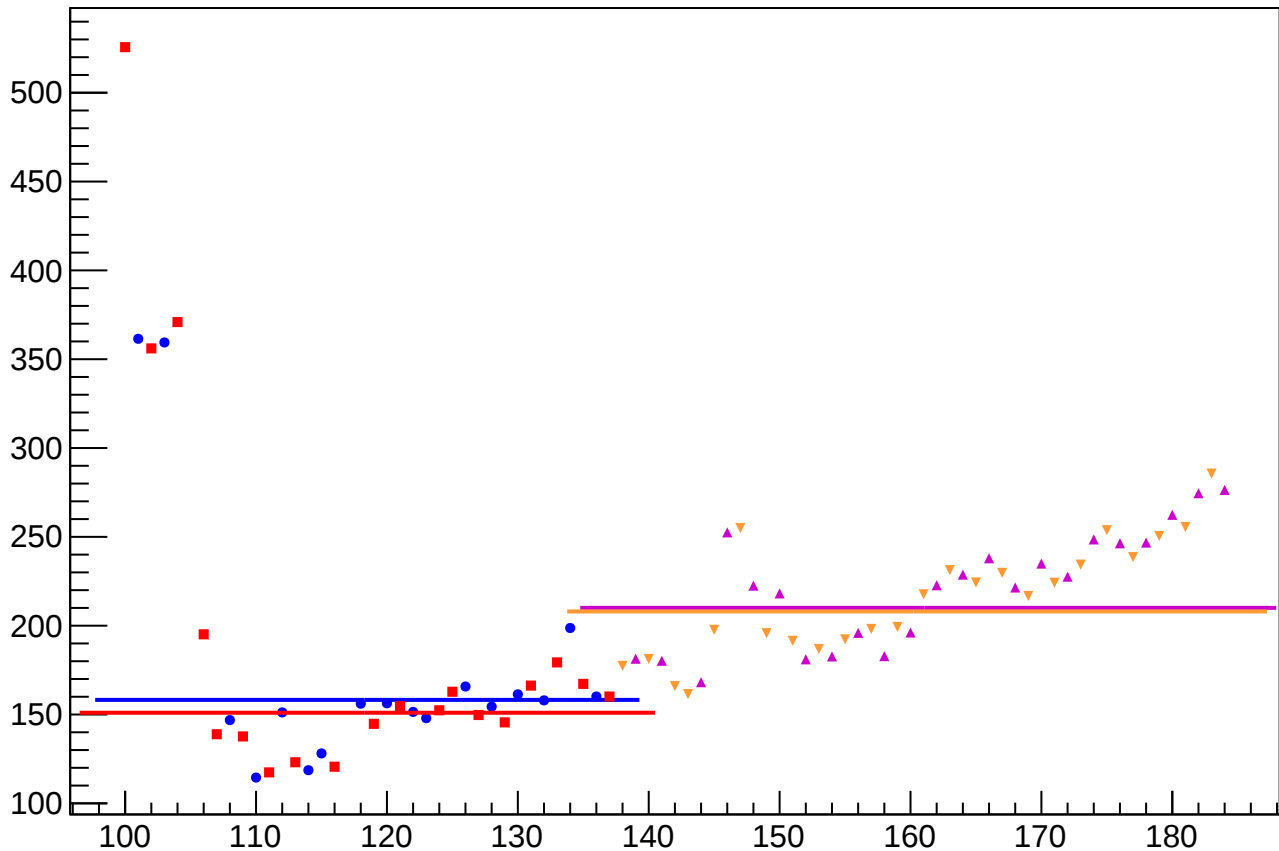
- sign 181.508 $\pm$ 0.027 χ^2 /NDF: 3123094.5/41

yield_bpm0i05WS_mean vs Slug



Right In: 142846.769 $\pm$ 0.065 χ^2/NDF : 735751313.8/16
 Left Out: 153352.115 $\pm$ 0.050 χ^2/NDF : 763227937.8/23
 Right Out: 142848.653 $\pm$ 0.060 χ^2/NDF : 849741852.9/18
 Left In: 153762.419 $\pm$ 0.051 χ^2/NDF : 635075685.0/22
 All: 149306.304 $\pm$ 0.028 χ^2/NDF : 384272986.0/22
 + sign 149440.269 $\pm$ 0.040 χ^2/NDF : 18002783089.0/22
 - sign 149174.794 $\pm$ 0.039 χ^2/NDF : 20401759186.0/22

yield_bpm0i05WS_rms vs Slug



Right In: 158.235 $\pm$ 0.046 χ^2 /NDF: 883619.5/16

Left Out: 208.005 $\pm$ 0.035 χ^2 /NDF: 689472.0/23

Right Out: 150.999 $\pm$ 0.043 χ^2 /NDF: 1000583.6/18

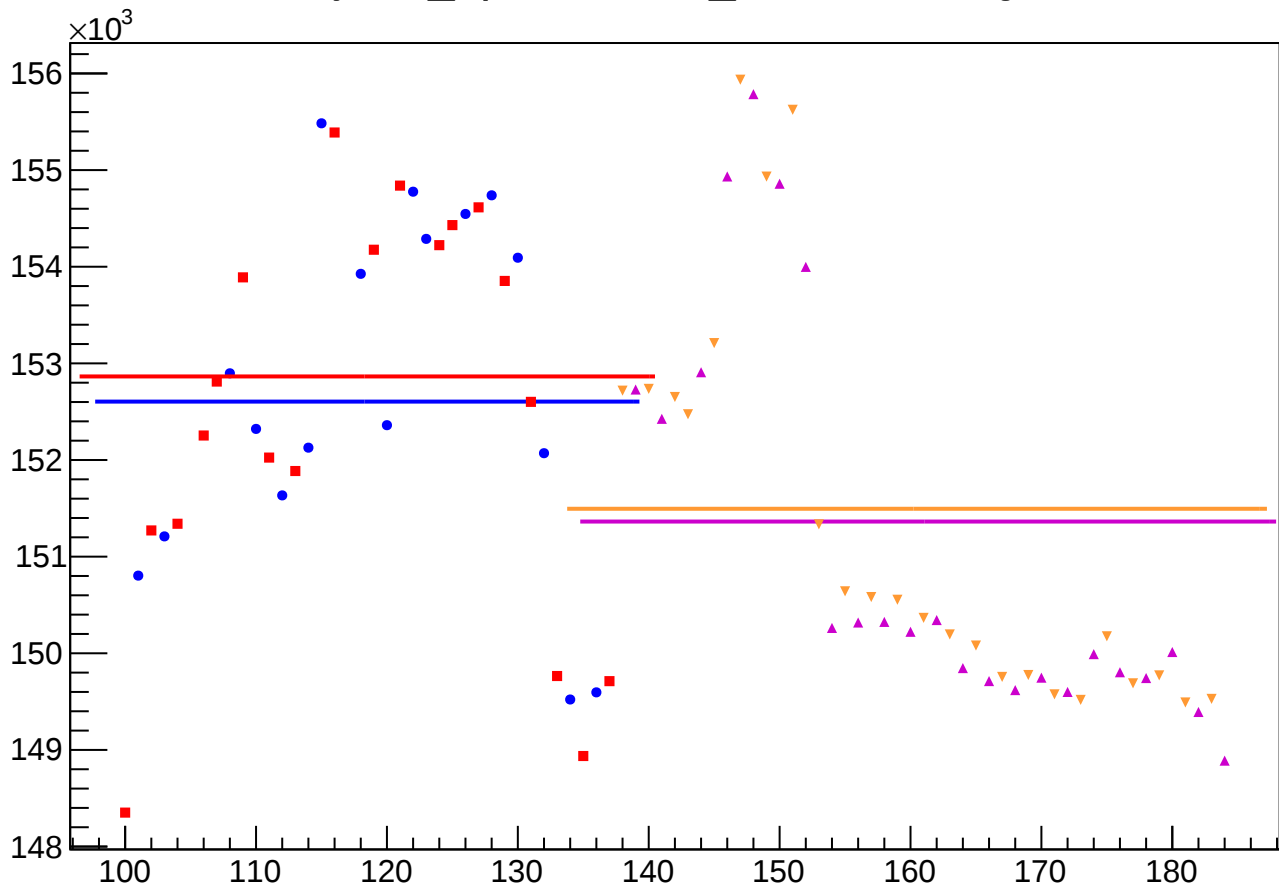
Left In: 210.038 $\pm$ 0.036 χ^2 /NDF: 702369.5/22

+ sign 189.472 $\pm$ 0.028 χ^2 /NDF: 2313953.9/40

All: 187.327 $\pm$ 0.020 χ^2 /NDF: 5135714.8/82

- sign 185.221 $\pm$ 0.028 χ^2 /NDF: 2810088.9/41

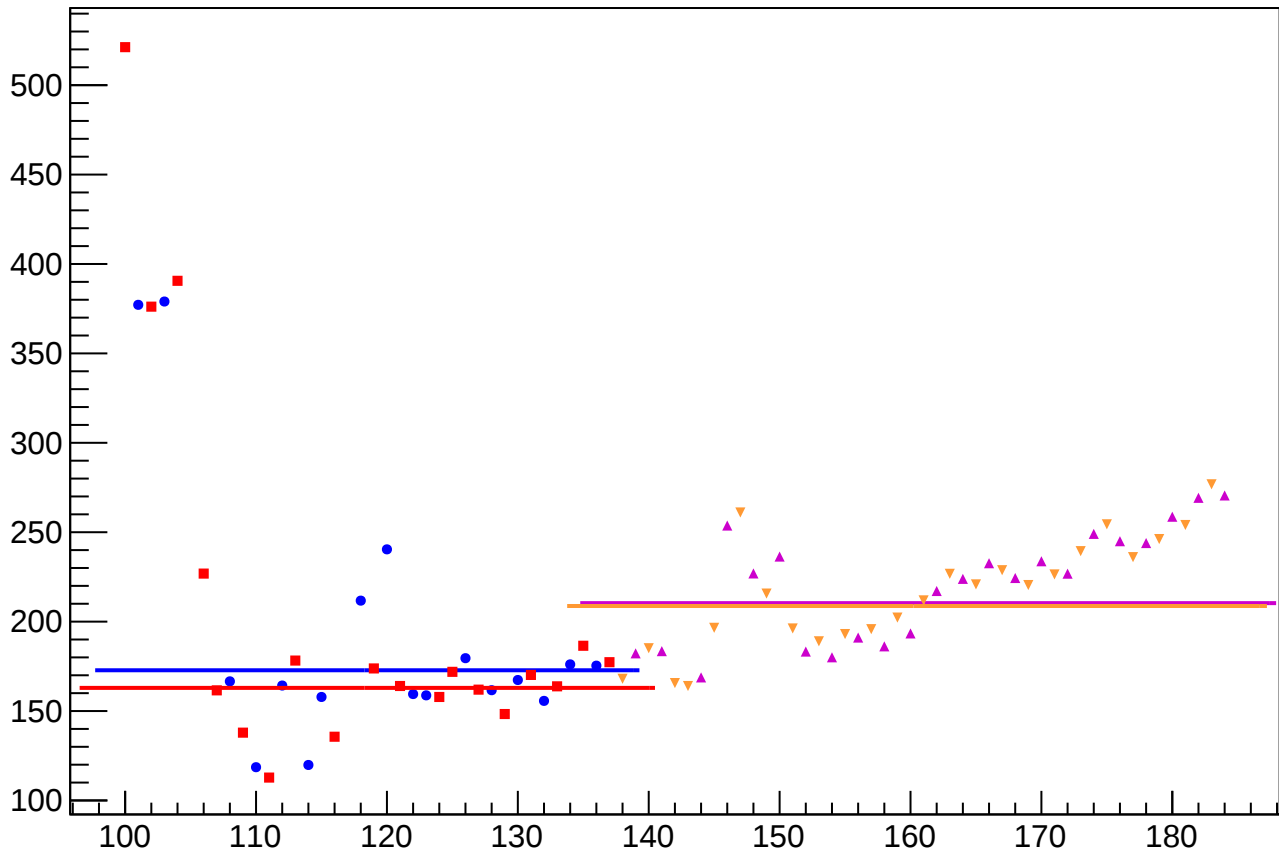
yield_bpm0i07WS_mean vs Slug



Right In: 152604.406 $\pm$ 0.072 χ^2 /NDF: 616818062.6/16
 Left Out: 151495.431 $\pm$ 0.050 χ^2 /NDF: 1461373524.5/23
 Right Out: 152864.722 $\pm$ 0.066 χ^2 /NDF: 718455566.6/18
 Left In: 151363.165 $\pm$ 0.051 χ^2 /NDF: 1421662089.0/22

+ sign 151853.619 $\pm$ 0.041 χ^2 /NDF: 2237600435.4/23
 All: 151890.980 $\pm$ 0.029 χ^2 /NDF: 470008216.6/22
 - sign 151927.502 $\pm$ 0.041 χ^2 /NDF: 2460845466.8/22

yield_bpm0i07WS_rms vs Slug



Right In: 172.803+/-0.051 χ^2/NDF : 945652.6/16

Left Out: 208.739+/-0.035 χ^2/NDF : 676856.9/23

Right Out: 162.951+/-0.047 χ^2/NDF : 1032146.9/18

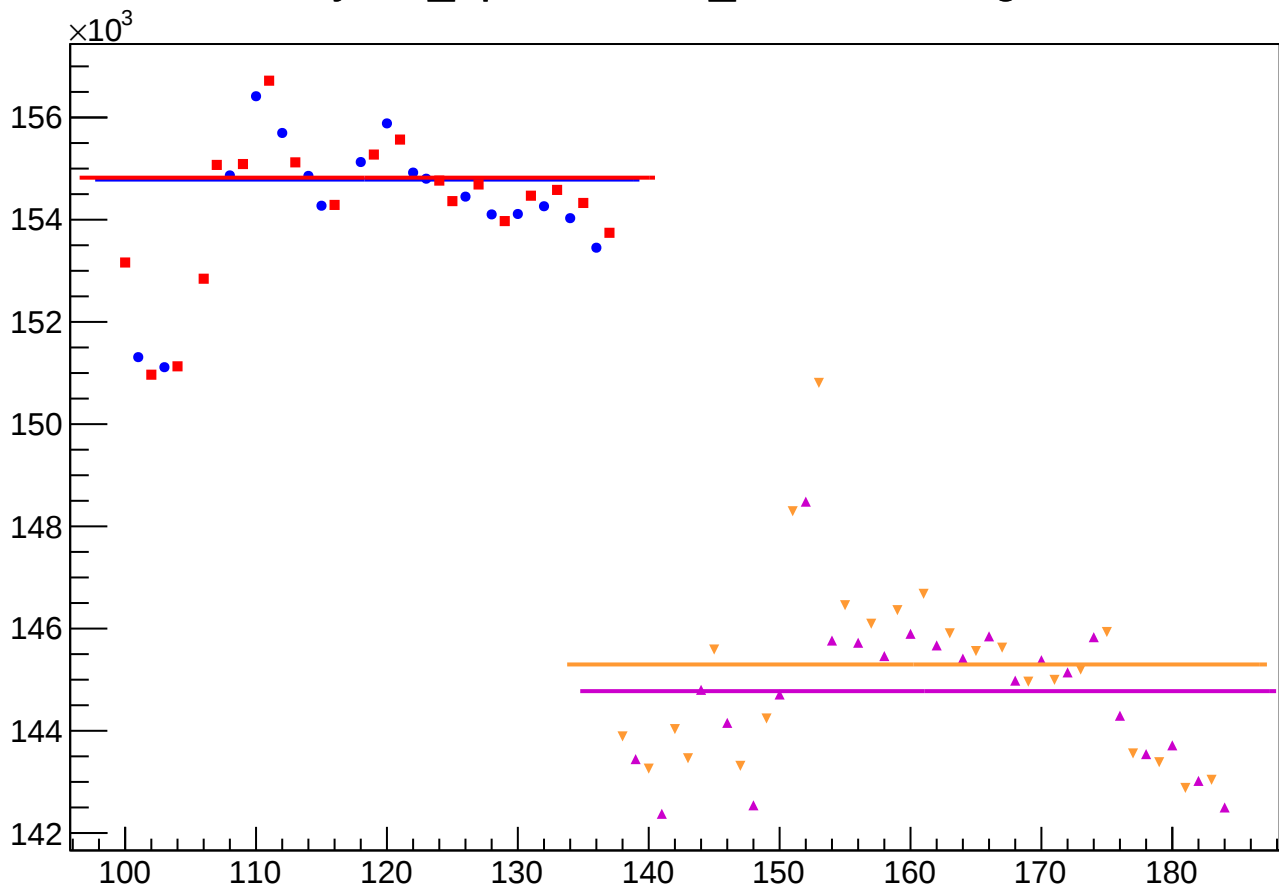
Left In: 210.345+/-0.036 χ^2/NDF : 677747.7/22

+ sign 197.132+/-0.029 χ^2/NDF : 1957283.0/40

All: 194.806+/-0.020 χ^2/NDF : 4318886.7/82

- sign 192.533+/-0.029 χ^2/NDF : 2348923.5/41

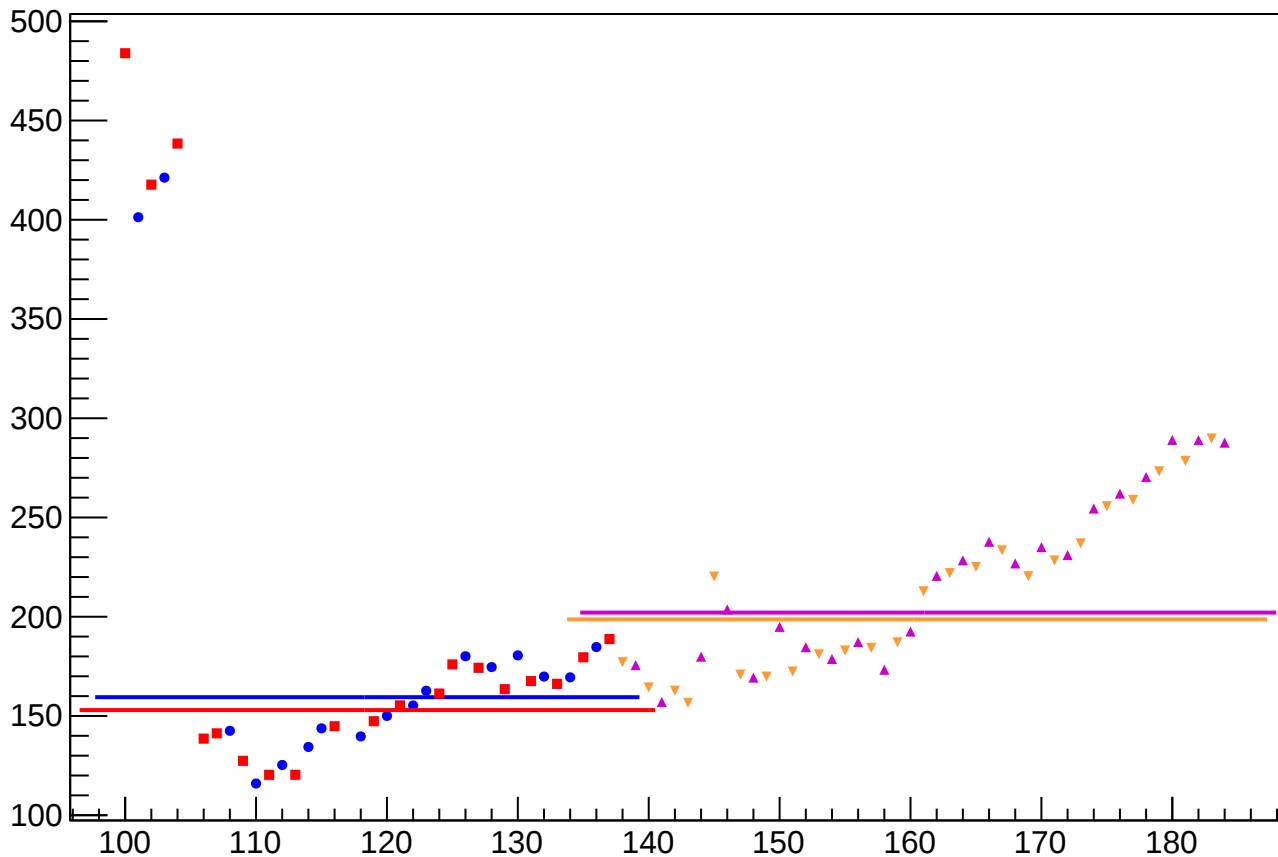
yield_bpm1i02WS_mean vs Slug



Right In: 154784.970 $\pm$ 0.065 χ^2 /NDF: 265445259.7/16
 Left Out: 145297.919 $\pm$ 0.048 χ^2 /NDF: 1686116567.9/23
 Right Out: 154822.442 $\pm$ 0.061 χ^2 /NDF: 293784821.8/18
 Left In: 144776.016 $\pm$ 0.050 χ^2 /NDF: 918120275.4/22

+ sign 148590.041 $\pm$ 0.039 χ^2 /NDF: 15661578689.
 All: 148684.614 $\pm$ 0.027 χ^2 /NDF: 332569744
 - sign 148778.555 $\pm$ 0.038 χ^2 /NDF: 17583410711.5

yield_bpm1i02WS_rms vs Slug



Right In: 159.460 $\pm$ 0.046 χ^2 /NDF: 1131650.0/16

Left Out: 198.659 $\pm$ 0.034 χ^2 /NDF:1103849.1/23

Right Out: 152.961 $\pm$ 0.043 χ^2 /NDF: 1169783.0/18

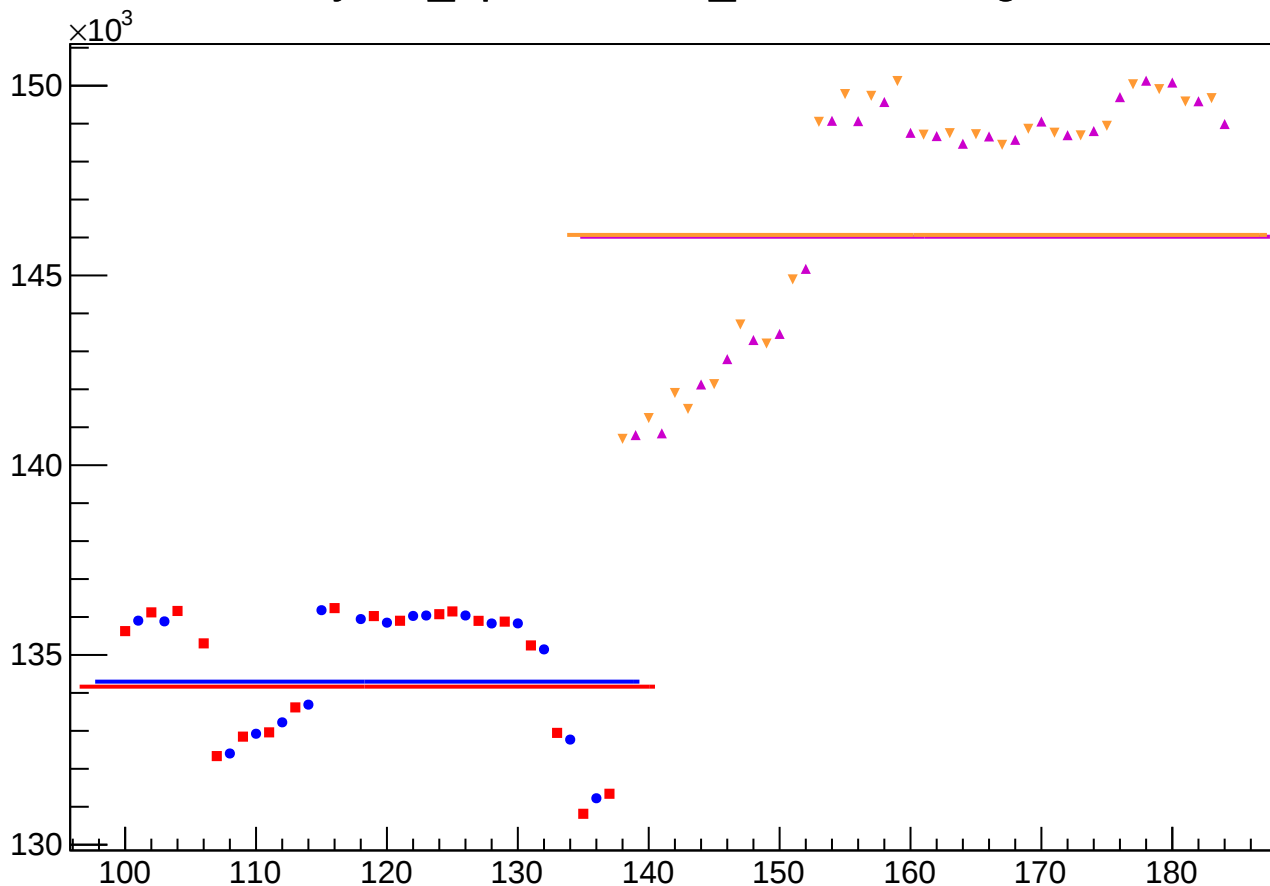
Left In: 202.090 $\pm$ 0.035 χ^2 /NDF:1057833.2/22

+ sign 185.057 $\pm$ 0.027 χ^2 /NDF: 2703631.6/40

All: 183.783 $\pm$ 0.019 χ^2 /NDF: 5718612.3/82

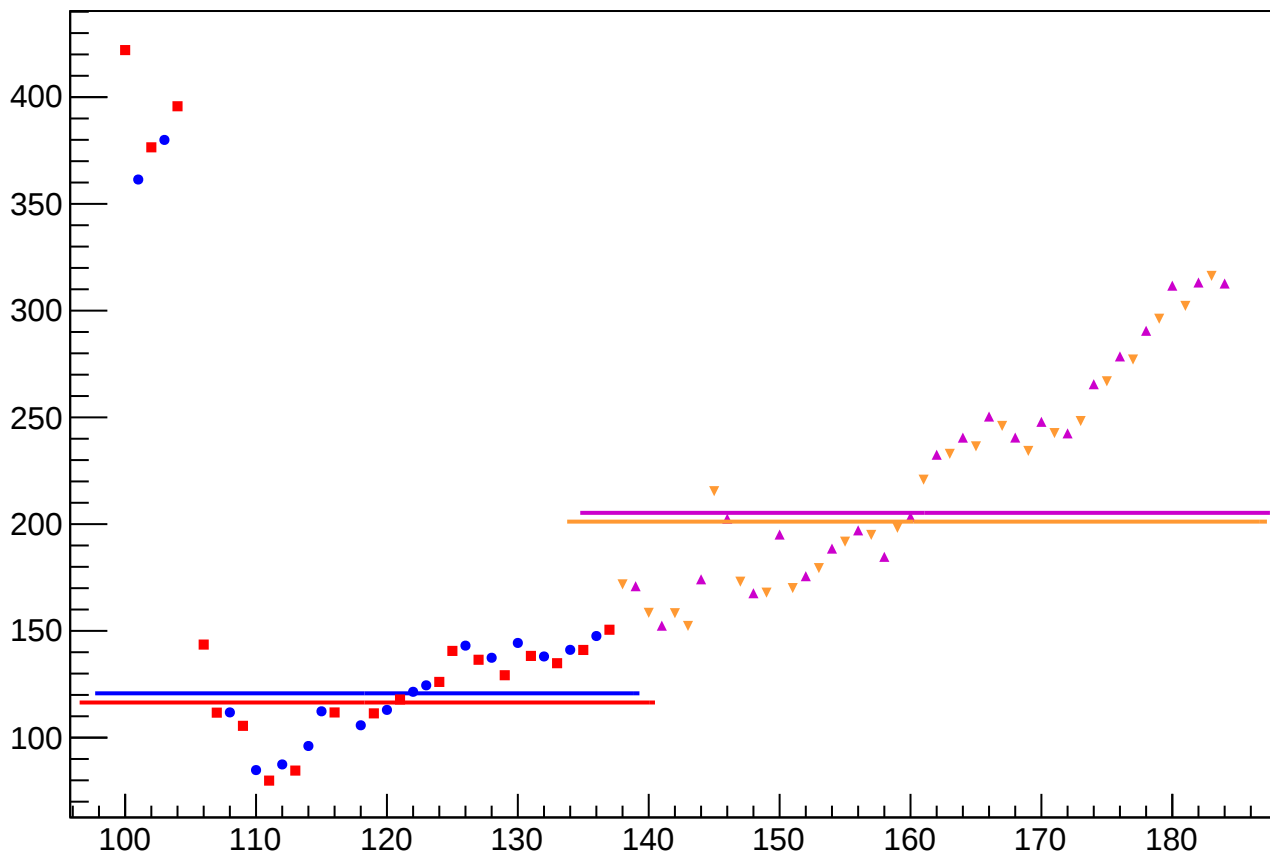
- sign 182.517 $\pm$ 0.027 χ^2 /NDF: 3010631.0/41

yield_bpm1i04WS_mean vs Slug



Right In: 134297.022 $\pm$ 0.050 χ^2 /NDF: 1147567257.7/16
 Left Out: 146067.924 $\pm$ 0.049 χ^2 /NDF: 5309212827.2/23
 Right Out: 134164.594 $\pm$ 0.047 χ^2 /NDF: 1210514088.0/18
 Left In: 146020.015 $\pm$ 0.051 χ^2 /NDF: 4591425371.4/22
 All: 140041.714 $\pm$ 0.025 χ^2 /NDF: 699032720
 + sign 140391.303 $\pm$ 0.035 χ^2 /NDF: 34699976110.0
 - sign 139699.826 $\pm$ 0.035 χ^2 /NDF: 35005945678.0

yield_bpm1i04WS_rms vs Slug



Right In: 120.752 $\pm$ 0.036 χ^2 /NDF: 1465247.5/16

Left Out: 201.175 $\pm$ 0.034 χ^2 /NDF: 1521913.3/23

Right Out: 116.453 $\pm$ 0.034 χ^2 /NDF: 1535612.1/18

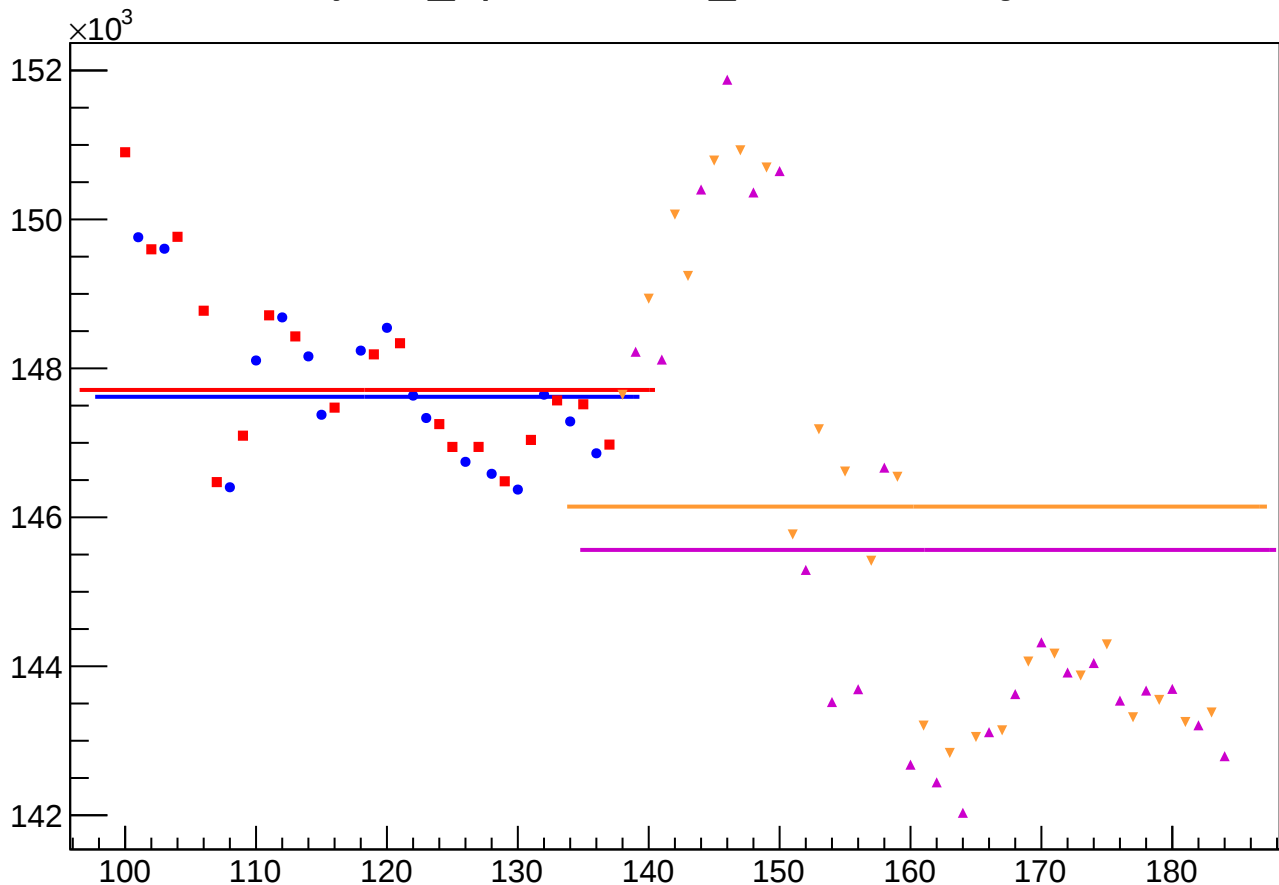
Left In: 205.286 $\pm$ 0.036 χ^2 /NDF: 1425292.7/22

+ sign 162.390 $\pm$ 0.025 χ^2 /NDF: 5623973.0/40

All: 160.135 $\pm$ 0.017 χ^2 /NDF: 11880703.6/82

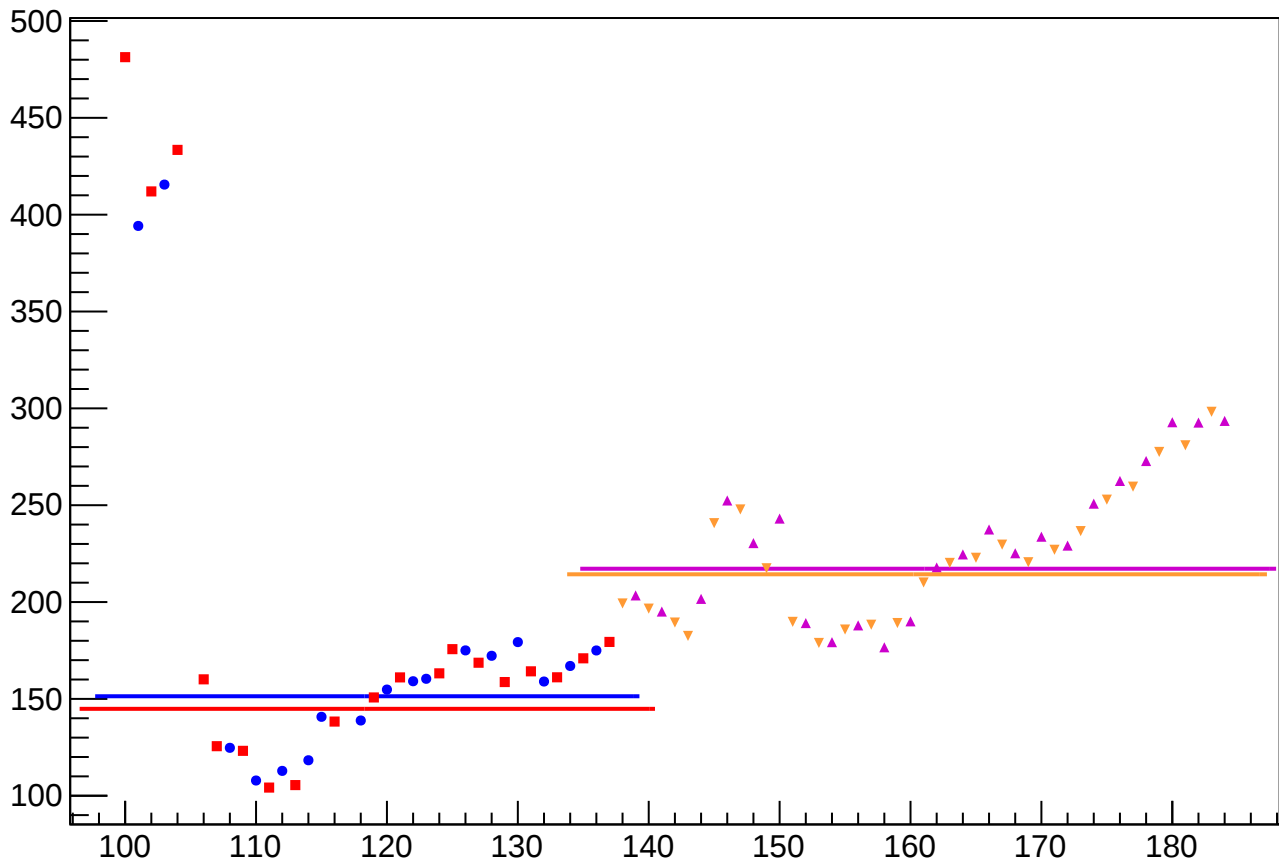
- sign 157.929 $\pm$ 0.024 χ^2 /NDF: 6240298.2/41

yield_bpm1i06WS_mean vs Slug



Right In: 147618.243+/-0.063	χ^2/NDF : 198581777.1/16	+ sign 146735.704+/-0.040	χ^2/NDF : 3177397209.8
Left Out: 146144.060+/-0.051	χ^2/NDF : 2646657590.7/23	All: 146634.304+/-0.028	χ^2/NDF : 719045099
Right Out: 147710.334+/-0.058	χ^2/NDF : 203714451.2/18	- sign 146534.894+/-0.039	χ^2/NDF : 4000100782.8/
Left In: 145562.386+/-0.053	χ^2/NDF : 3054641996.0/22		

yield_bpm1i06WS_rms vs Slug



Right In: 151.363 $\pm$ 0.044 χ^2 /NDF: 1259788.8/16

Left Out: 214.329 $\pm$ 0.036 χ^2 /NDF: 694610.3/23

Right Out: 144.870 $\pm$ 0.041 χ^2 /NDF: 1371292.3/18

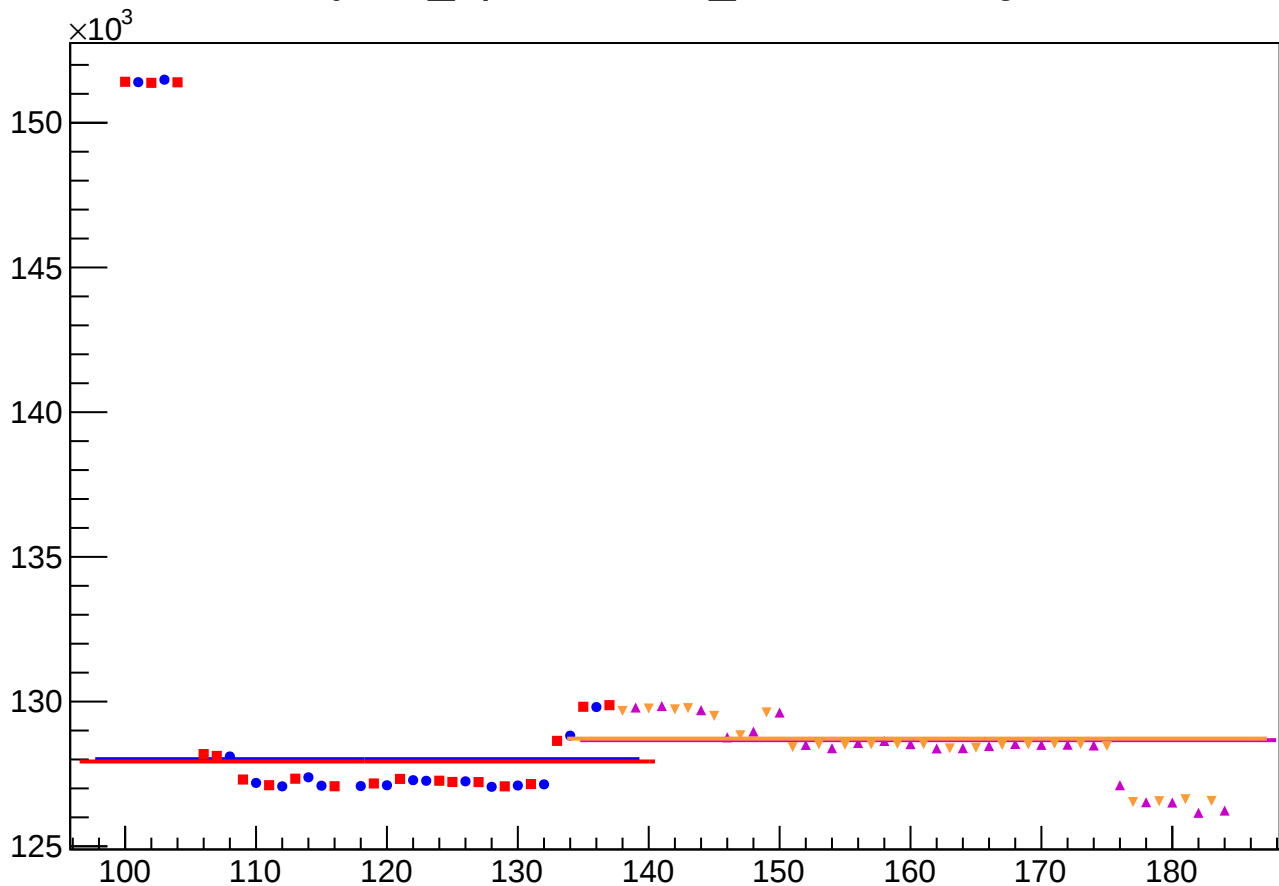
Left In: 217.203 $\pm$ 0.038 χ^2 /NDF: 764798.3/22

+ sign 189.058 $\pm$ 0.028 χ^2 /NDF: 3166350.2/40

All: 186.733 $\pm$ 0.020 χ^2 /NDF: 6998418.1/82

- sign 184.453 $\pm$ 0.028 χ^2 /NDF: 3818446.5/41

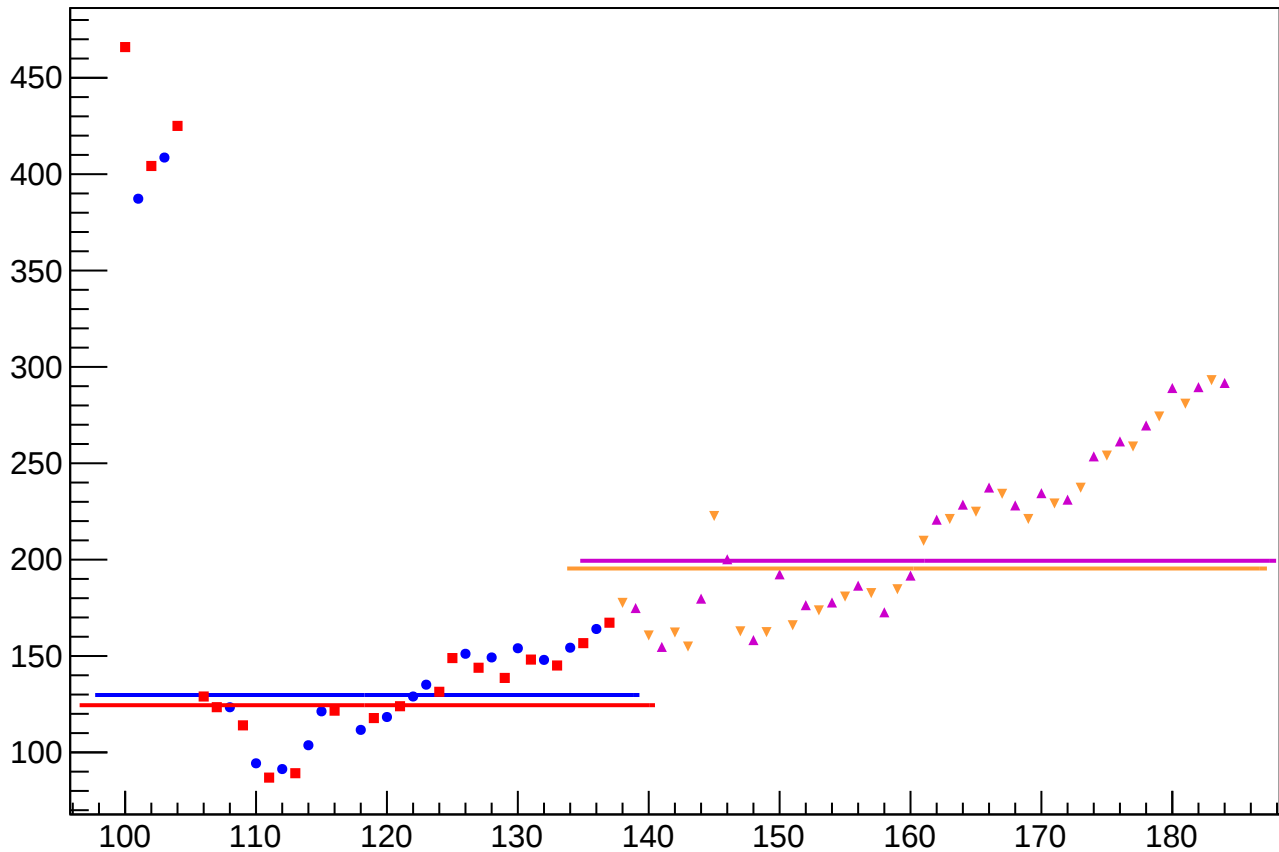
yield_bpm2i01WS_mean vs Slug



Right In: 128009.906 ± 0.054 $\chi^2/\text{NDF}: 4319099803.8/16$
 Left Out: 128720.075 ± 0.047 $\chi^2/\text{NDF}: 331788791.1/23$
 Right Out: 127930.465 ± 0.050 $\chi^2/\text{NDF}: 3768075163.1/18$
 Left In: 128667.013 ± 0.049 $\chi^2/\text{NDF}: 333059477.6/22$

+ sign 128415.221 ± 0.036 $\chi^2/\text{NDF}: 4748821531.2$
 All: 128361.574 ± 0.025 $\chi^2/\text{NDF}: 896429530$
 - sign 128309.108 ± 0.035 $\chi^2/\text{NDF}: 4210961866.6$

yield_bpm2i01WS_rms vs Slug



Right In: 129.769 $\pm$ 0.038 χ^2 /NDF: 1483741.9/16

Left Out: 195.402 $\pm$ 0.033 χ^2 /NDF: 1257802.4/23

Right Out: 124.477 $\pm$ 0.036 χ^2 /NDF: 1526276.6/18

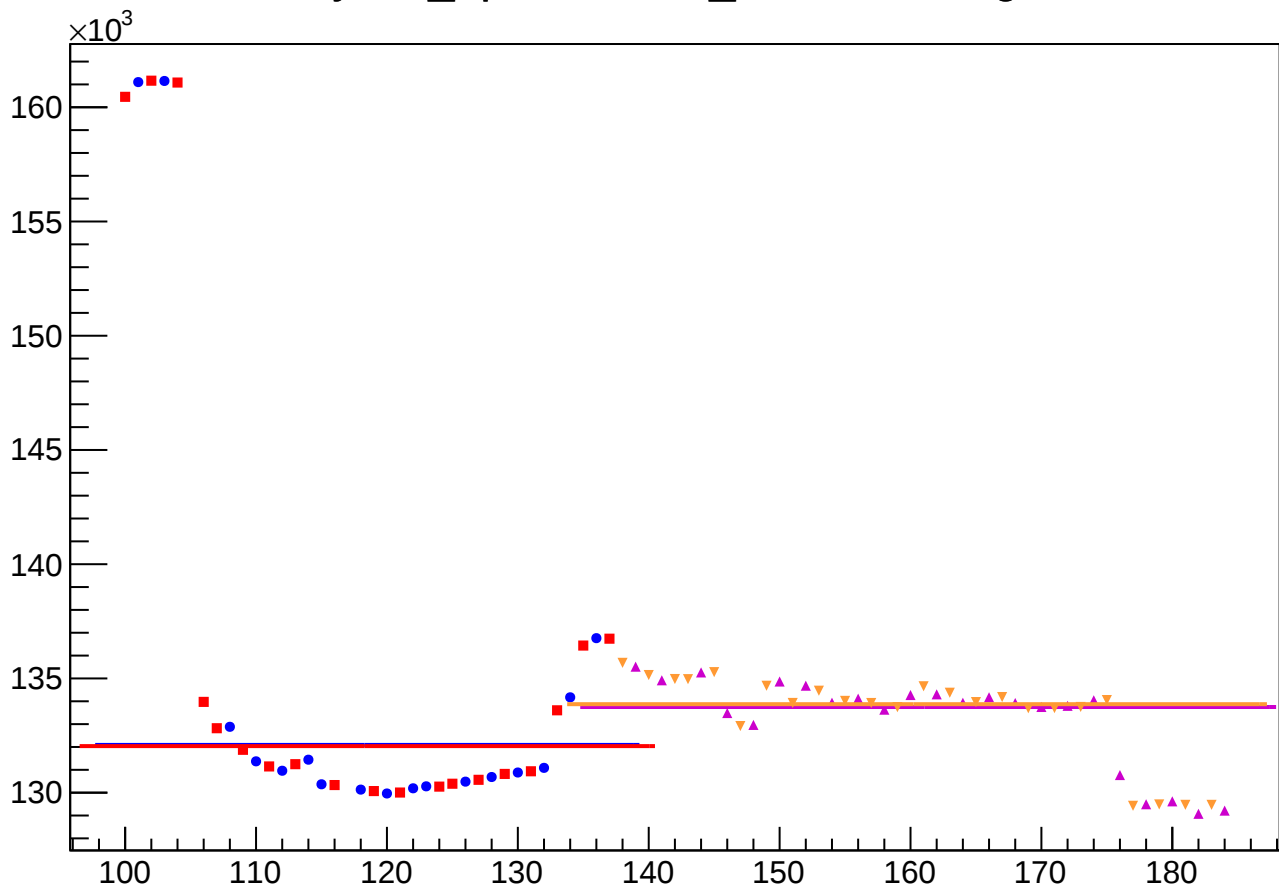
Left In: 199.413 $\pm$ 0.035 χ^2 /NDF: 1165698.7/22

+ sign 167.228 $\pm$ 0.025 χ^2 /NDF: 4414500.1/40

All: 165.091 $\pm$ 0.018 χ^2 /NDF: 9394427.8/82

- sign 163.000 $\pm$ 0.025 χ^2 /NDF: 4965604.9/41

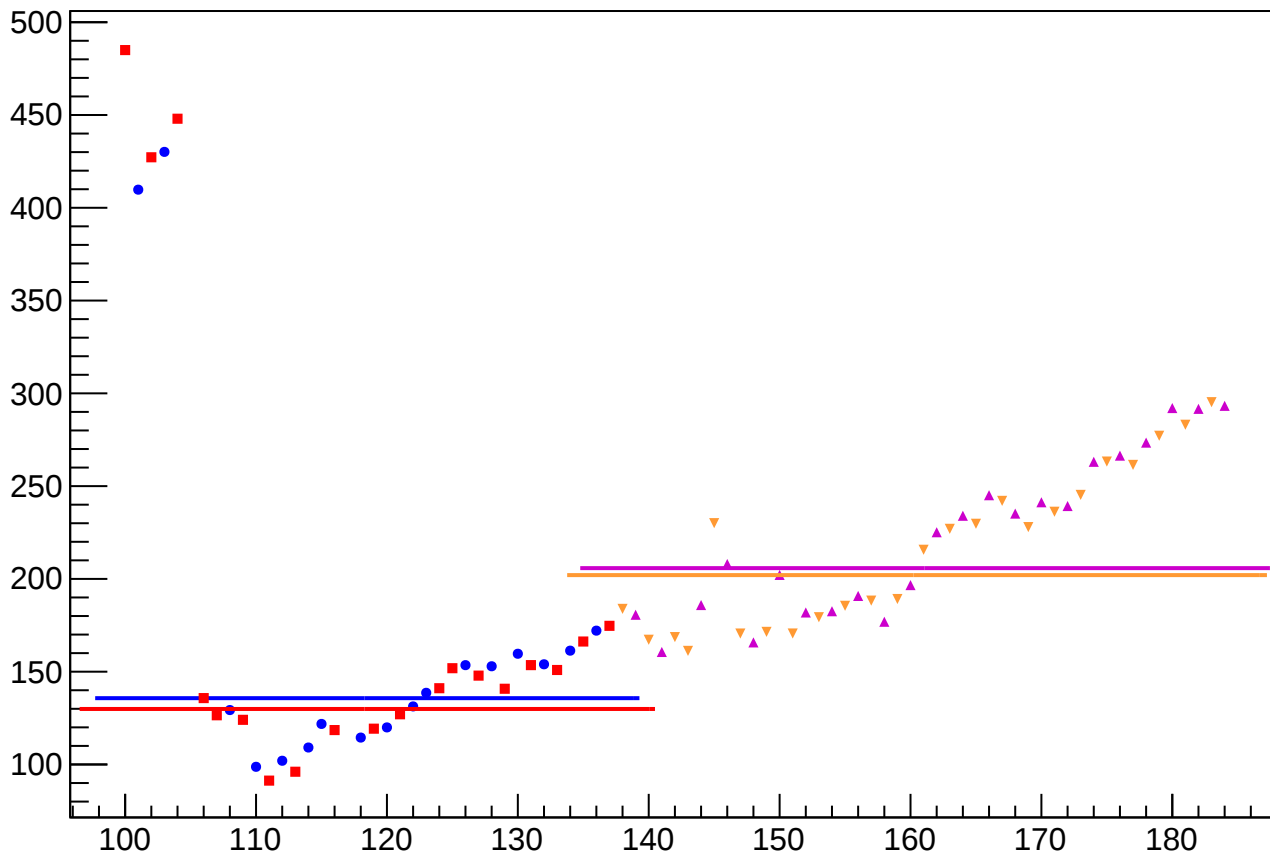
yield_bpm2i02WS_mean vs Slug



Right In: 132090.159 ± 0.057 χ^2/NDF : 6731961368.4/16
 Left Out: 133872.928 ± 0.049 χ^2/NDF : 1022376941.6/23
 Right Out: 132038.077 ± 0.053 χ^2/NDF : 5881799125.4/18
 Left In: 133749.630 ± 0.051 χ^2/NDF : 954069486.7/22

+ sign 133117.255 ± 0.037 χ^2/NDF : 8325705532.7
 All: 133021.206 ± 0.026 χ^2/NDF : 157264713
 - sign 132927.453 ± 0.036 χ^2/NDF : 7387345556.2

yield_bpm2i02WS_rms vs Slug



Right In: 135.730 $\pm$ 0.040 χ^2 /NDF: 1442560.7/16

Left Out: 202.048 $\pm$ 0.034 χ^2 /NDF: 1162014.5/23

Right Out: 129.912 $\pm$ 0.037 χ^2 /NDF: 1498757.6/18

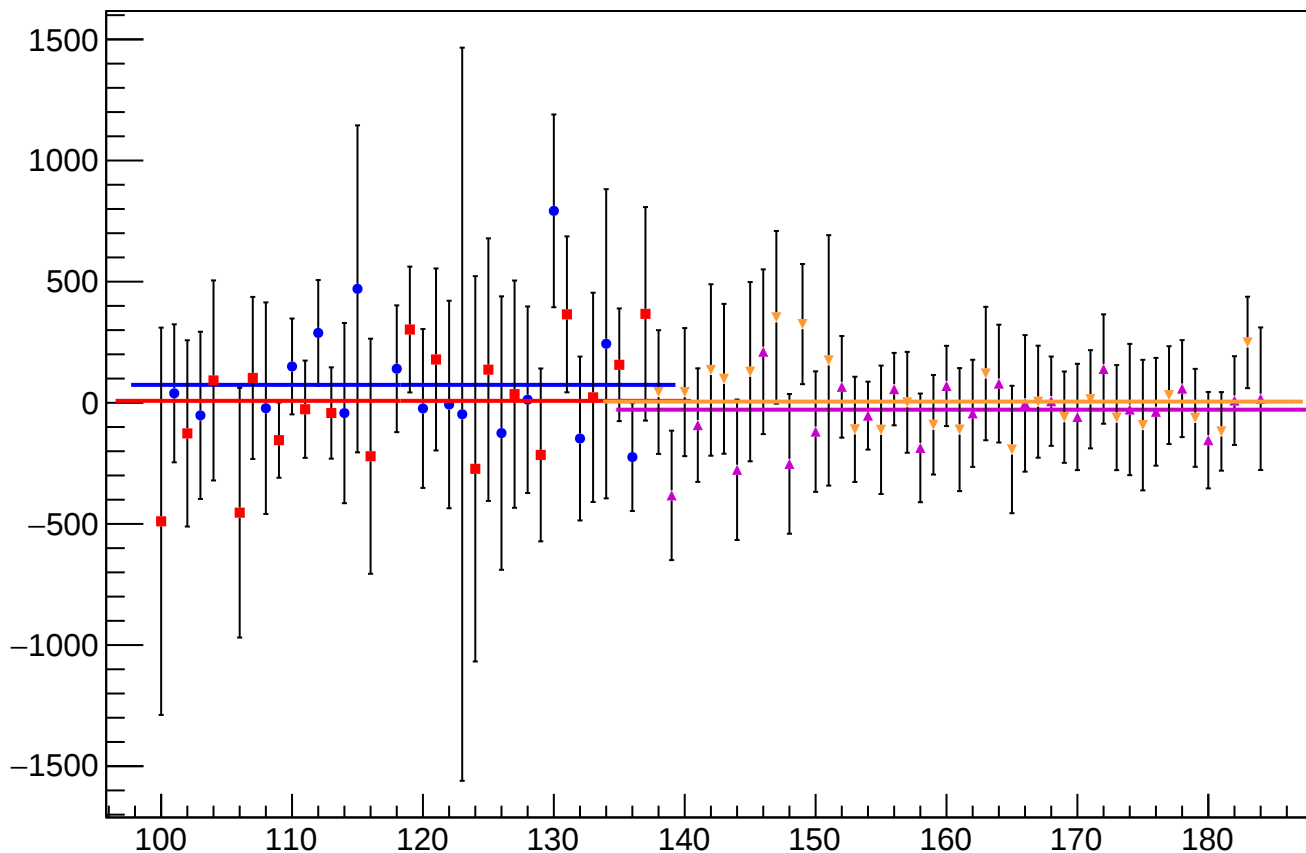
Left In: 205.808 $\pm$ 0.036 χ^2 /NDF: 1094330.7/22

+ sign 173.937 $\pm$ 0.026 χ^2 /NDF: 4185864.1/40

All: 171.616 $\pm$ 0.018 χ^2 /NDF: 8963393.7/82

- sign 169.350 $\pm$ 0.026 χ^2 /NDF: 4761849.5/41

asym_bcm_an_ds_mean vs Slug



Right In: 74.036 $\pm$ 79.233 χ^2 /NDF: 7.6/16

Left Out: 4.897 $\pm$ 48.225 χ^2 /NDF: 7.5/23

Right Out: 8.046 $\pm$ 70.080 χ^2 /NDF: 7.2/18

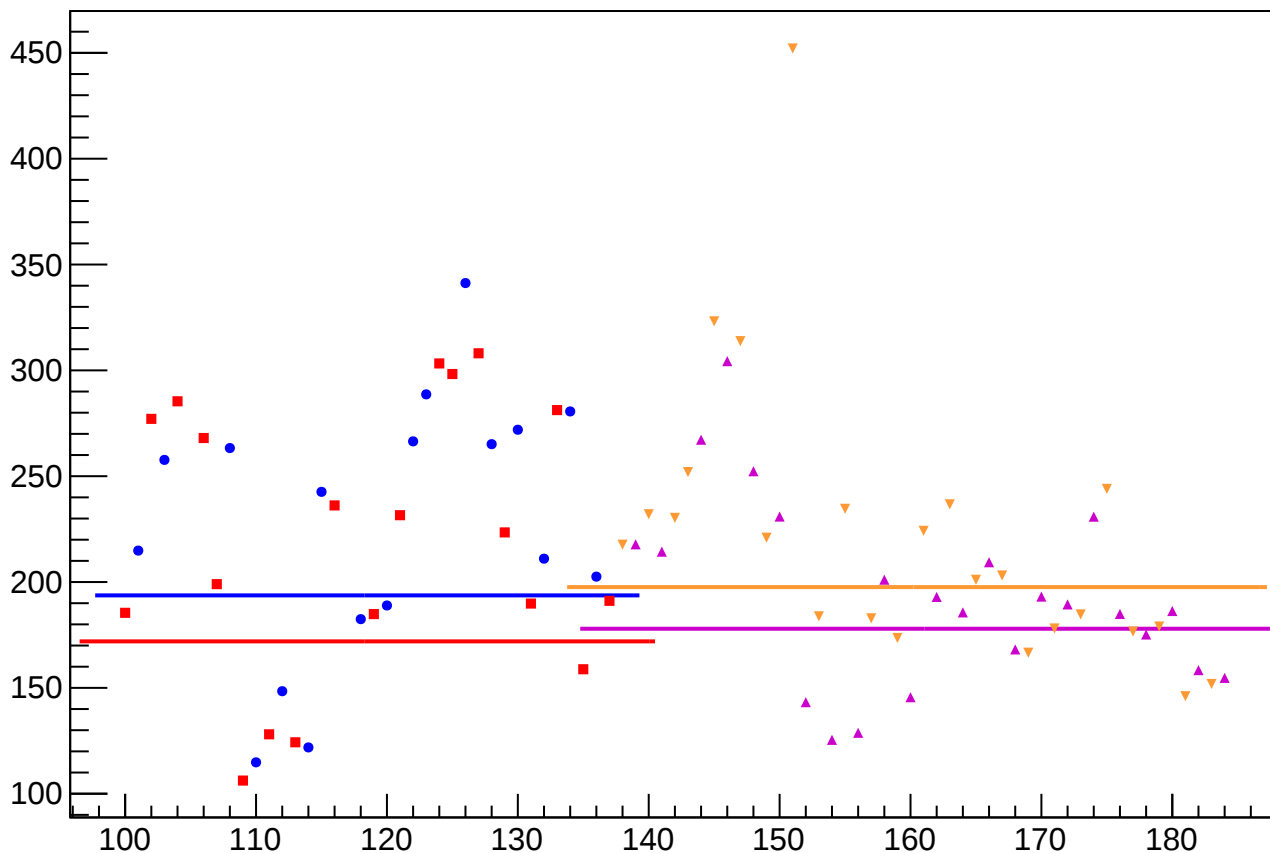
Left In: -28.452 $\pm$ 44.688 χ^2 /NDF: 6.7/22

+ sign 23.586 $\pm$ 41.194 χ^2 /NDF: 15.7/40

All: 0.997 $\pm$ 27.803 χ^2 /NDF: 30.3/82

- sign -17.901 $\pm$ 37.679 χ^2 /NDF: 14.1/41

asym_bcm_an_ds_rms vs Slug



Right In: 193.695 $\pm$ 0.056 χ^2 /NDF: 1018039.6/16

Left Out: 197.610 $\pm$ 0.034 χ^2 /NDF: 1716138.3/23

Right Out: 171.963 $\pm$ 0.050 χ^2 /NDF: 1574387.3/18

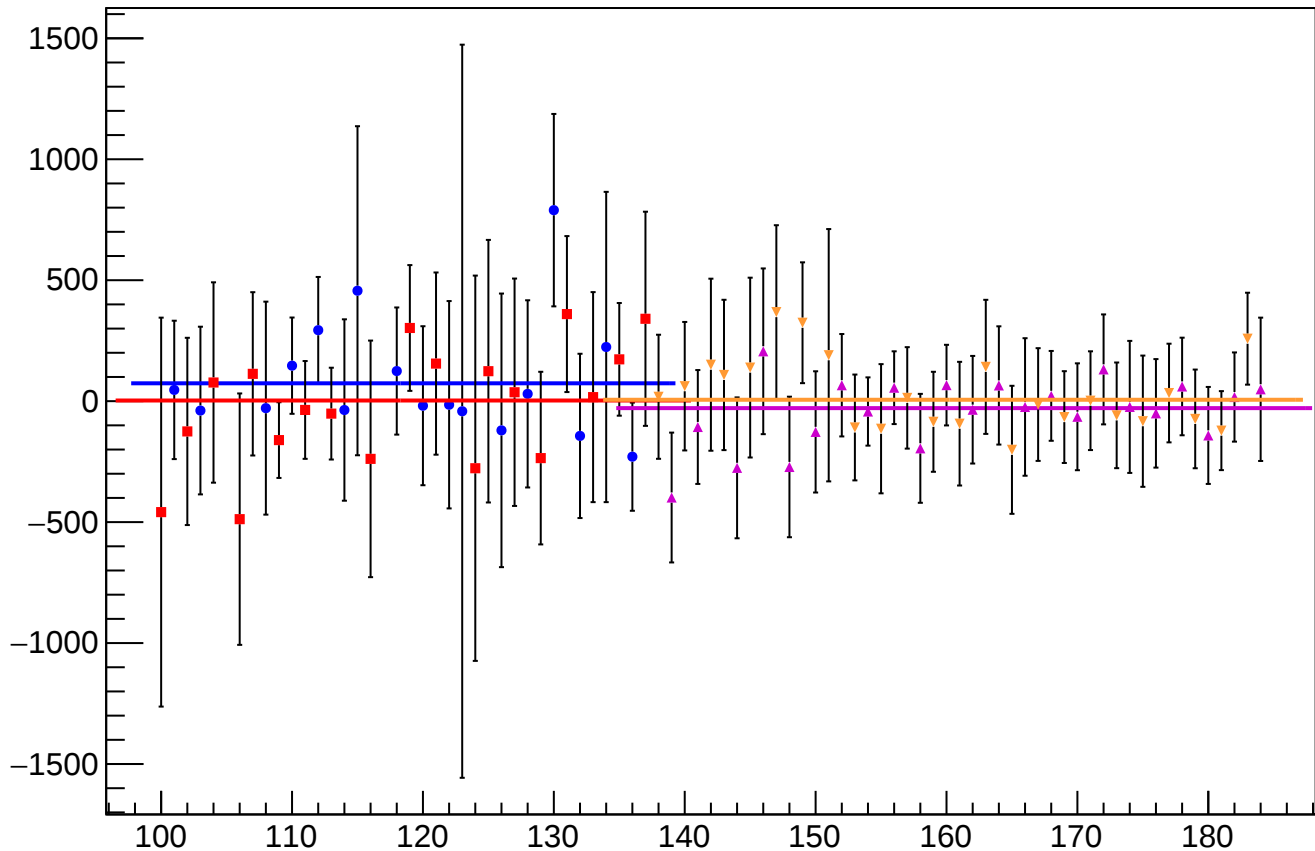
Left In: 177.933 $\pm$ 0.032 χ^2 /NDF: 1605780.8/22

+ sign 196.552 $\pm$ 0.029 χ^2 /NDF: 2737740.8/40

All: 185.475 $\pm$ 0.020 χ^2 /NDF: 6193834.3/82

- sign 176.207 $\pm$ 0.027 χ^2 /NDF: 3190486.5/41

asym_bcm_an_ds3_mean vs Slug



Right In: 73.822 $\pm$ 79.620 χ^2 /NDF: 7.5/16

Left Out: 5.780 $\pm$ 48.561 χ^2 /NDF: 7.8/23

Right Out: 2.721 $\pm$ 70.450 χ^2 /NDF: 7.4/18

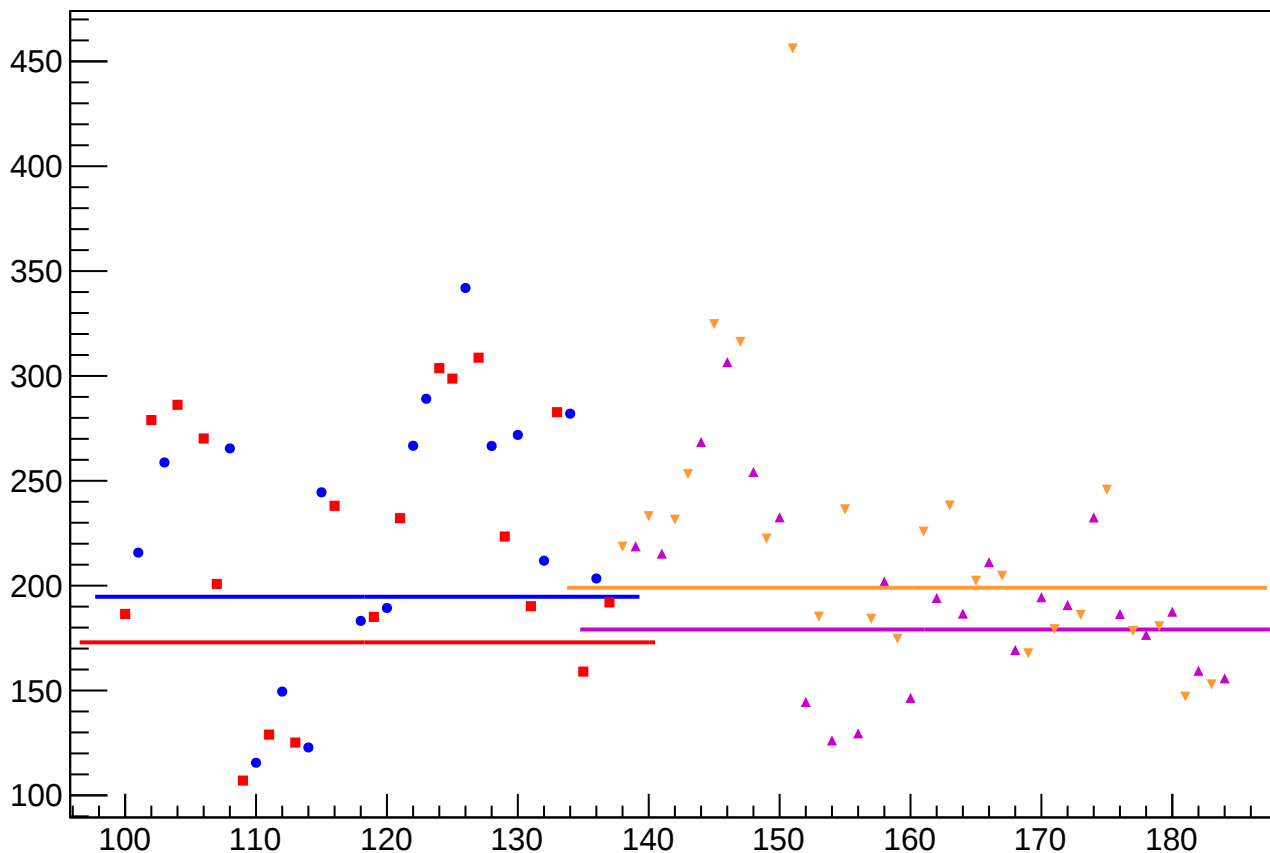
Left In: -28.806 $\pm$ 44.980 χ^2 /NDF: 6.8/22

+ sign 24.228 $\pm$ 41.458 χ^2 /NDF: 15.9/40

All: 0.318 $\pm$ 27.978 χ^2 /NDF: 30.8/82

- sign -19.676 $\pm$ 37.912 χ^2 /NDF: 14.4/41

asym_bcm_an_ds3_rms vs Slug



Right In: 194.704 $\pm$ 0.056 χ^2 /NDF: 1009606.0/16

Left Out: 198.993 $\pm$ 0.034 χ^2 /NDF: 1712275.3/23

Right Out: 172.953 $\pm$ 0.050 χ^2 /NDF: 1562179.1/18

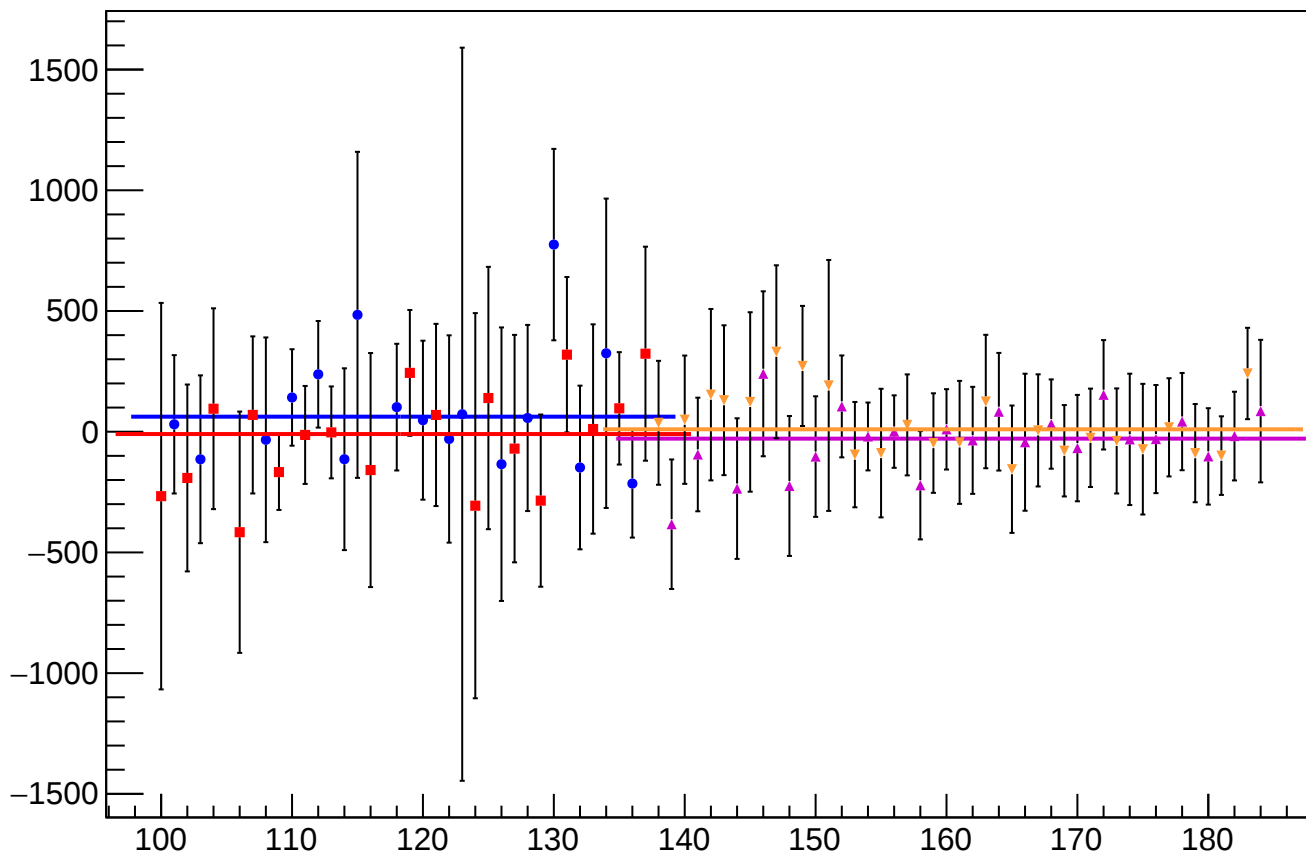
Left In: 179.090 $\pm$ 0.032 χ^2 /NDF: 1605113.3/22

+ sign 197.830 $\pm$ 0.029 χ^2 /NDF: 2726110.3/40

All: 186.656 $\pm$ 0.020 χ^2 /NDF: 6170945.8/82

- sign 177.313 $\pm$ 0.027 χ^2 /NDF: 3178072.5/41

asym_bcm_an_us_mean vs Slug



Right In: 62.284 ± 79.616 χ^2/NDF : 7.2/16

Left Out: 9.949 ± 48.435 χ^2/NDF : 6.1/23

Right Out: -9.662 ± 70.372 χ^2/NDF : 5.9/18

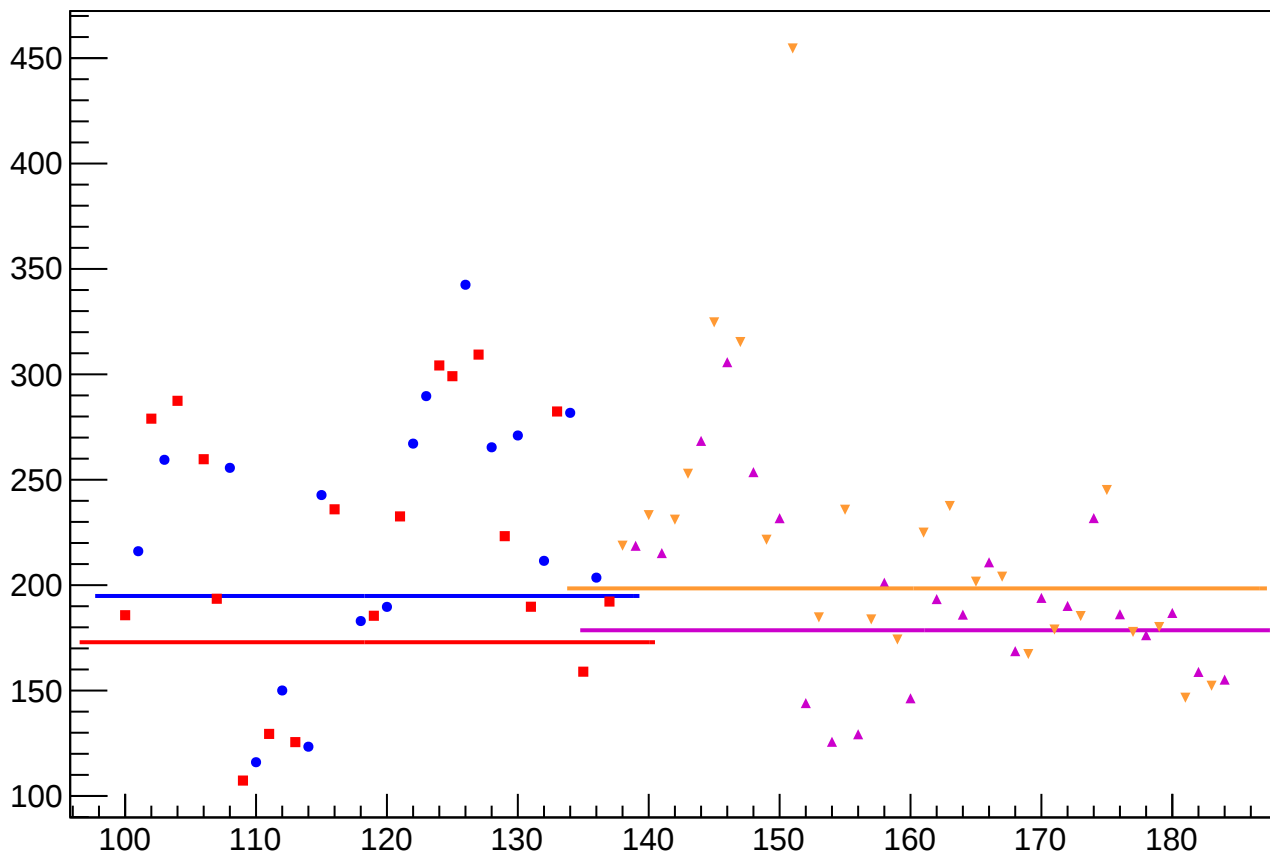
Left In: -28.655 ± 44.859 χ^2/NDF : 6.1/22

+ sign 24.086 ± 41.379 χ^2/NDF : 13.7/40

All: -1.656 ± 27.919 χ^2/NDF : 26.4/82

- sign -23.168 ± 37.827 χ^2/NDF : 12.0/41

asym_bcm_an_us_rms vs Slug



Right In: 194.868 $\pm$ 0.056 χ^2 /NDF: 987545.2/16

Left Out: 198.463 $\pm$ 0.034 χ^2 /NDF: 1717475.9/23

Right Out: 172.928 $\pm$ 0.050 χ^2 /NDF: 1539123.2/18

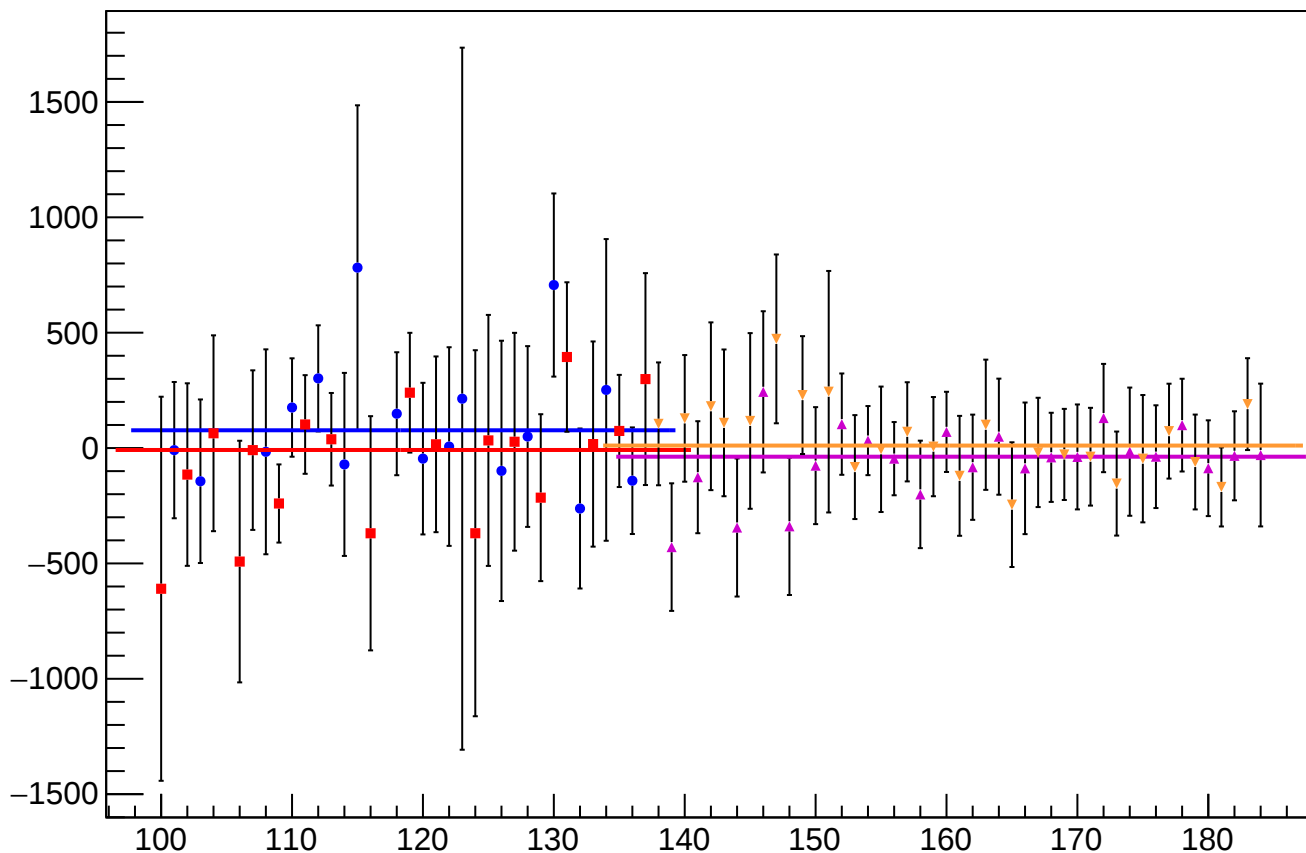
Left In: 178.601 $\pm$ 0.032 χ^2 /NDF: 1608998.1/22

+ sign 197.492 $\pm$ 0.029 χ^2 /NDF: 2707997.5/40

All: 186.308 $\pm$ 0.020 χ^2 /NDF: 6133563.5/82

- sign 176.962 $\pm$ 0.027 χ^2 /NDF: 3157365.4/41

asym_bcm_dg_us_mean vs Slug



Right In: 77.030 $\pm$ 82.098 χ^2 /NDF: 7.6/16

Left Out: 10.802 $\pm$ 49.939 χ^2 /NDF: 7.5/23

Right Out: -8.365 $\pm$ 73.326 χ^2 /NDF: 7.8/18

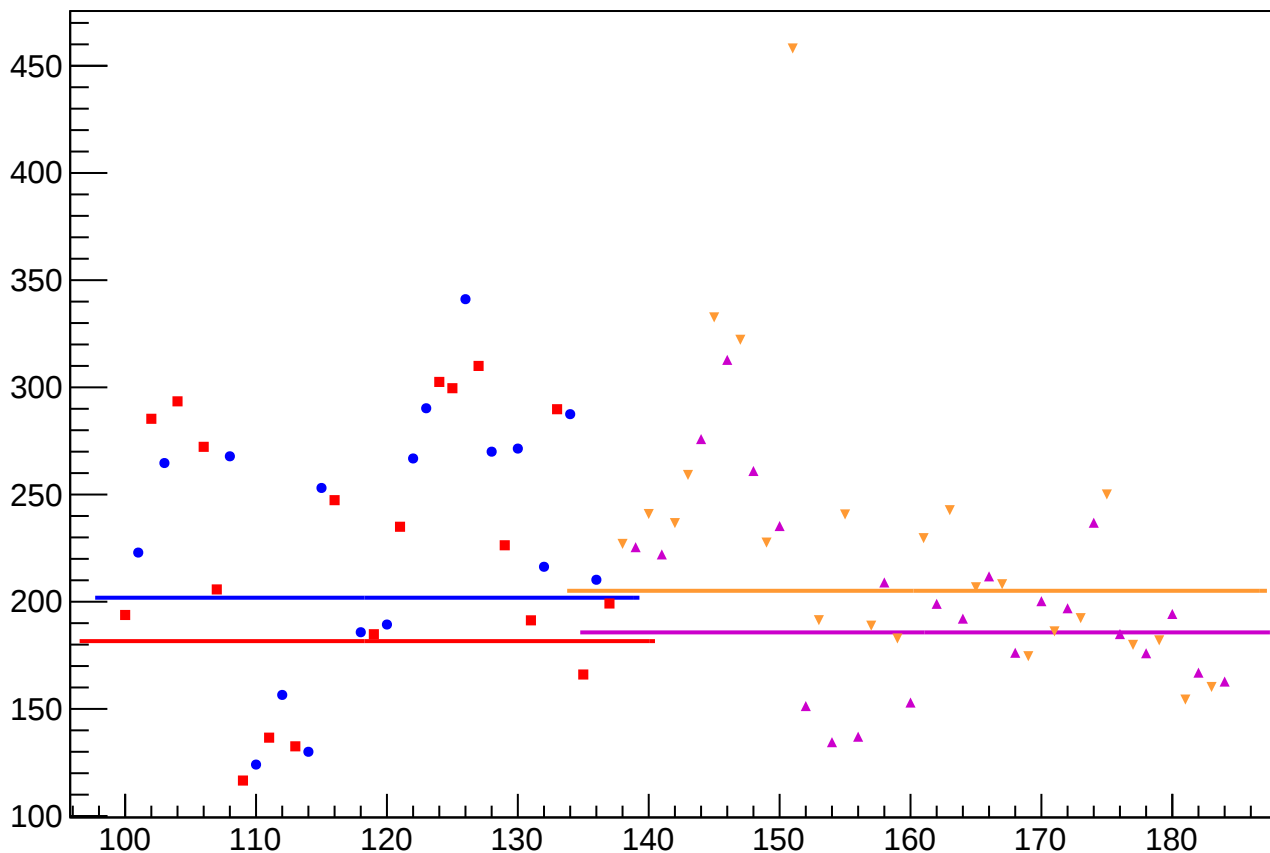
Left In: -37.460 $\pm$ 46.479 χ^2 /NDF: 7.6/22

+ sign 28.688 $\pm$ 42.666 χ^2 /NDF: 15.6/40

All: -2.618 $\pm$ 28.889 χ^2 /NDF: 32.1/82

- sign -29.121 $\pm$ 39.257 χ^2 /NDF: 15.5/41

asym_bcm_dg_us_rms vs Slug



Right In: 201.873 $\pm$ 0.058 χ^2 /NDF: 884412.3/16

Left Out: 205.103 $\pm$ 0.035 χ^2 /NDF:1616654.1/23

Right Out: 181.626 $\pm$ 0.052 χ^2 /NDF: 1373392.9/18

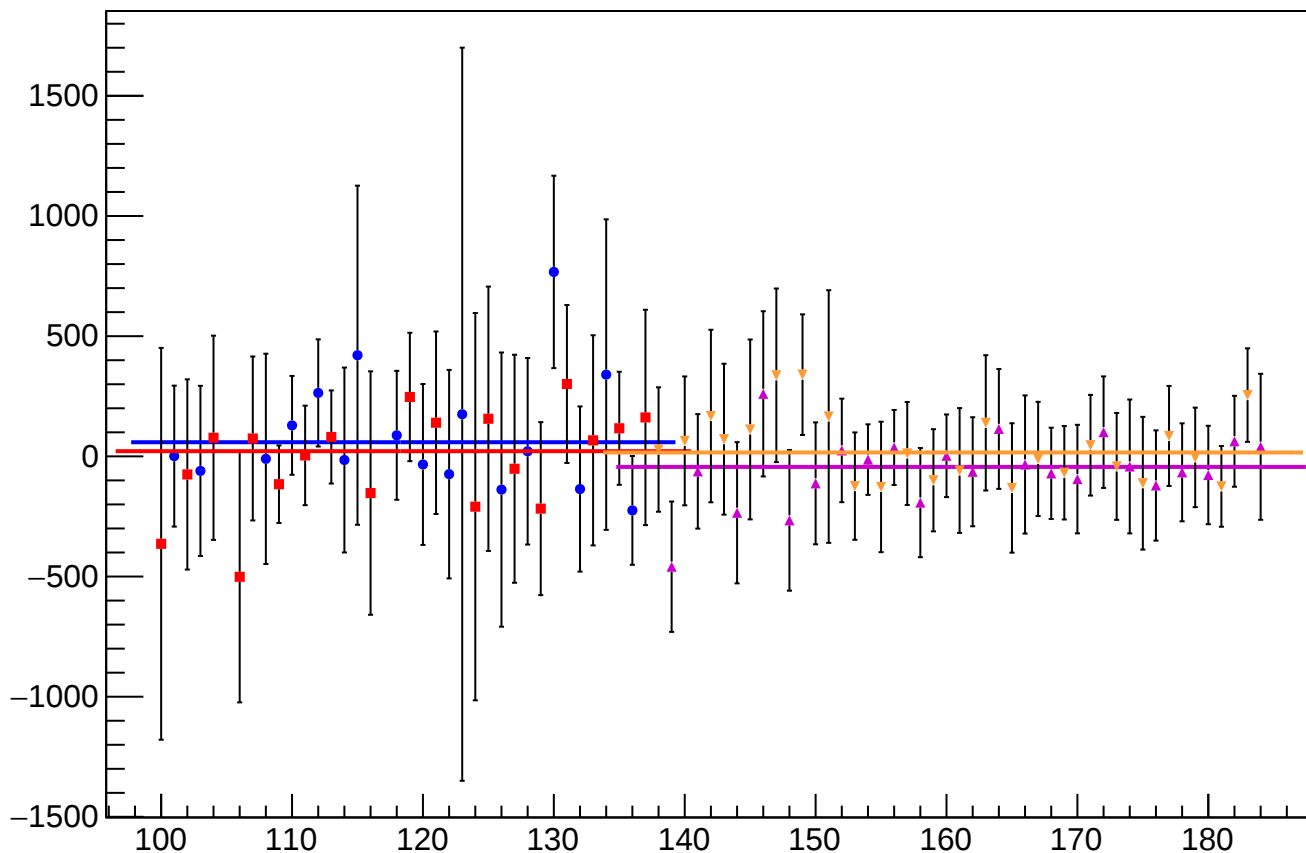
Left In: 185.694 $\pm$ 0.033 χ^2 /NDF:1447767.0/22

+ sign 204.231 $\pm$ 0.030 χ^2 /NDF: 2503326.1/40

All: 193.561 $\pm$ 0.020 χ^2 /NDF: 5559850.8/82

- sign 184.528 $\pm$ 0.028 χ^2 /NDF: 2825550.4/41

asym_bcm_dg_ds_mean vs Slug



Right In: 58.835 ± 81.036 χ^2/NDF : 7.0/16

Left Out: 16.096 ± 49.486 χ^2/NDF : 7.2/23

Right Out: 21.559 ± 71.880 χ^2/NDF : 4.7/18

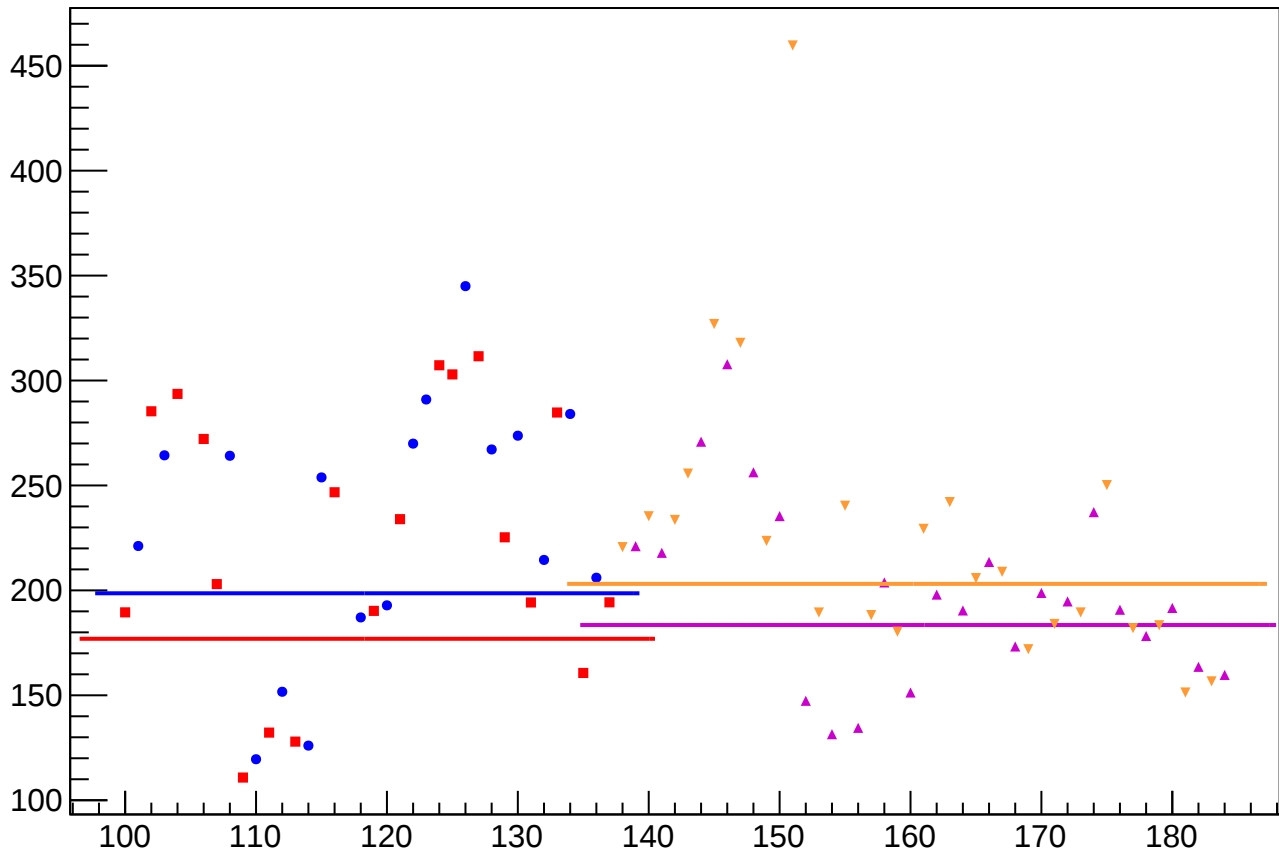
Left In: -43.978 ± 45.981 χ^2/NDF : 6.5/22

+ sign 27.704 ± 42.234 χ^2/NDF : 14.4/40

All: -0.894 ± 28.546 χ^2/NDF : 27.0/82

- sign -24.948 ± 38.734 χ^2/NDF : 11.8/41

asym_bcm_dg_ds_rms vs Slug



Right In: 198.615 $\pm$ 0.057 χ^2 /NDF: 965079.3/16

Left Out: 203.103 $\pm$ 0.035 χ^2 /NDF:1633782.2/23

Right Out: 176.933 $\pm$ 0.051 χ^2 /NDF: 1519414.5/18

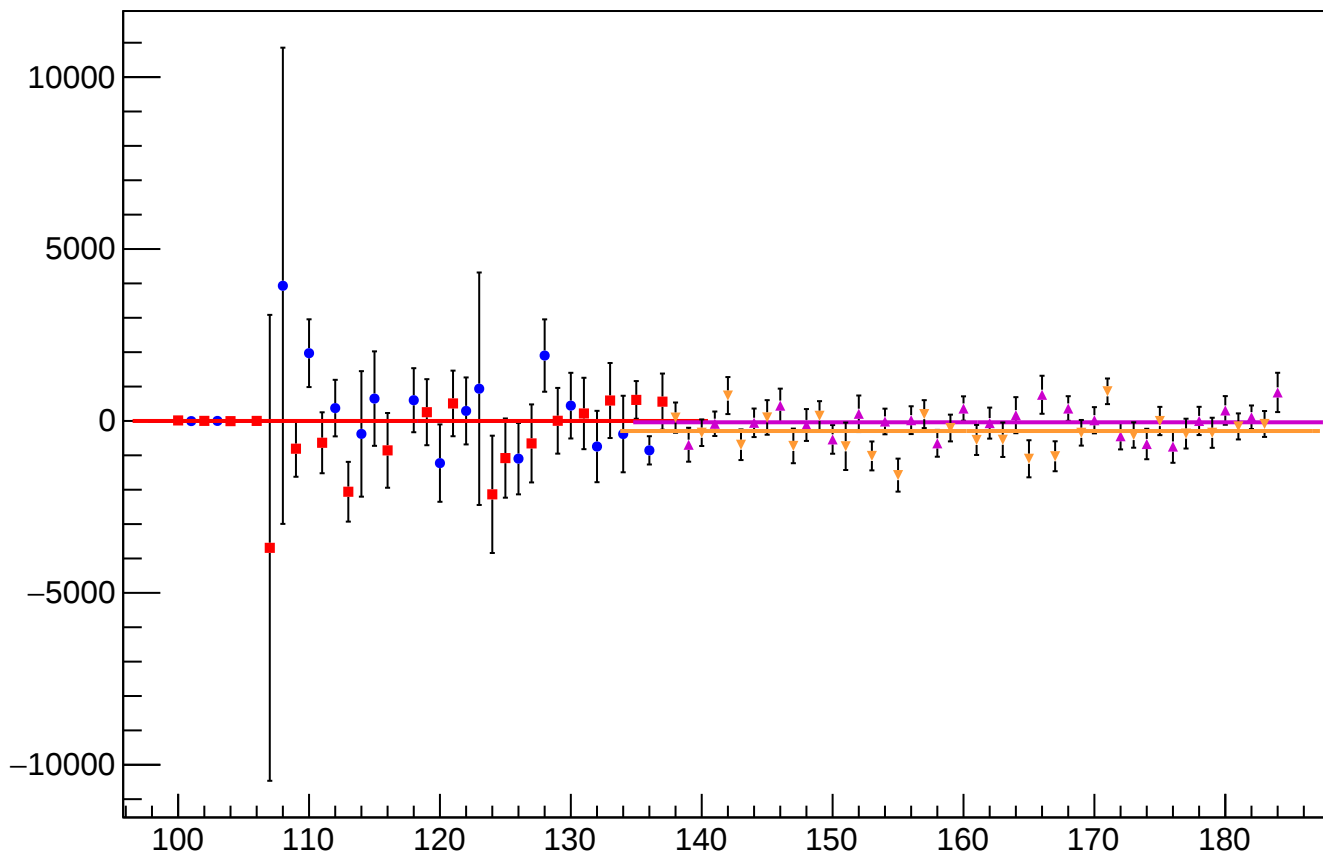
Left In: 183.498 $\pm$ 0.033 χ^2 /NDF:1483383.4/22

+ sign 201.884 $\pm$ 0.030 χ^2 /NDF: 2603329.8/40

All: 190.862 $\pm$ 0.020 χ^2 /NDF: 5868742.0/82

- sign 181.592 $\pm$ 0.027 χ^2 /NDF: 3014638.0/41

asym_cav4bQ_mean vs Slug



Right In: -1.530 ± 2.251 χ^2/NDF : 17.4/16

Left Out: -293.090 ± 88.156 χ^2/NDF : 36.1/23

Right Out: -0.726 ± 2.111 χ^2/NDF : 19.1/18

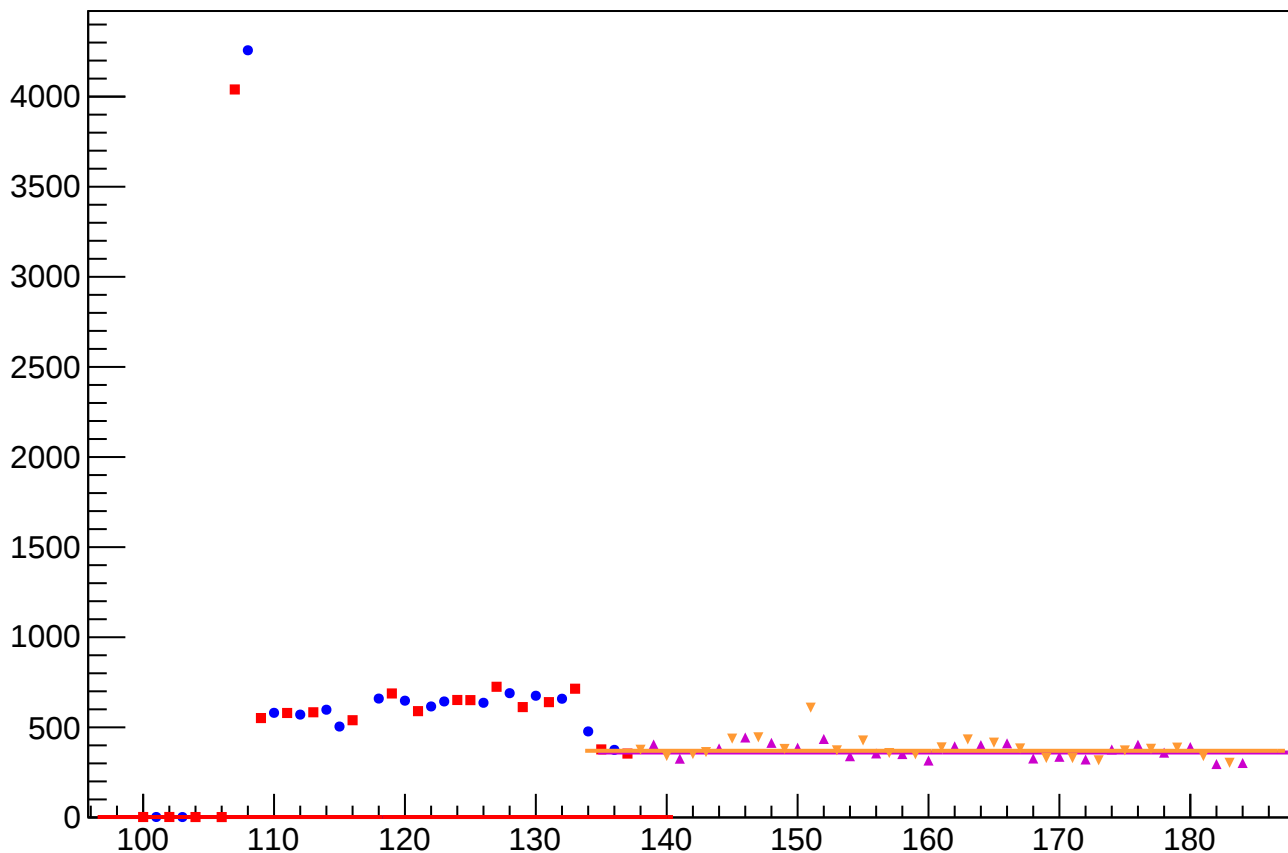
Left In: -39.078 ± 87.769 χ^2/NDF : 20.3/22

+ sign -1.720 ± 2.251 χ^2/NDF : 64.5/40

All: -1.203 ± 1.540 χ^2/NDF : 104.2/82

- sign -0.748 ± 2.111 χ^2/NDF : 39.6/41

asym_cav4bQ_rms vs Slug



Right In: 2.456+/-0.002 χ^2/NDF : 10808630.7/16

Left Out: 369.978+/-0.062 χ^2/NDF : 589730.1/23

Right Out: 2.437+/-0.001 χ^2/NDF : 11101281.1/18

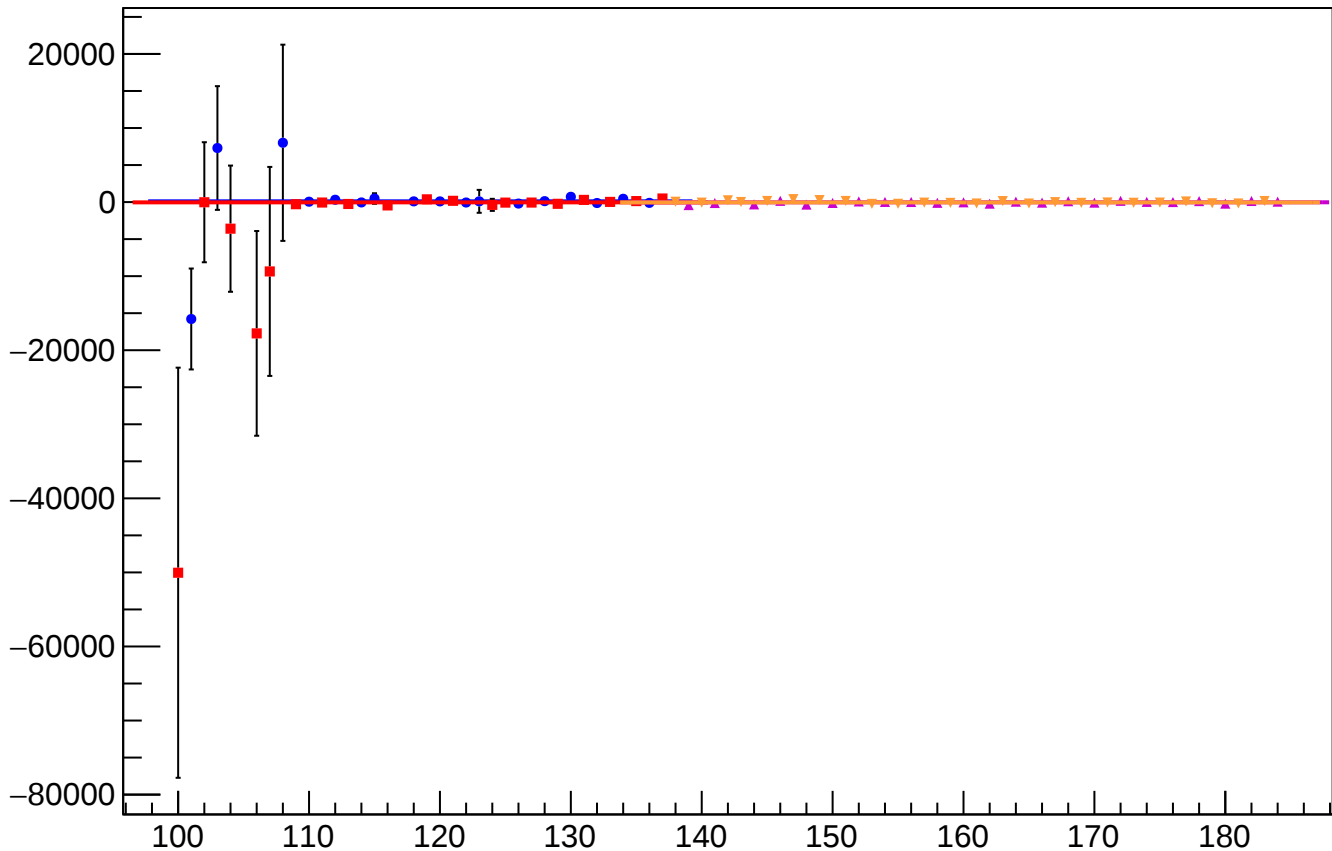
Left In: 360.408+/-0.062 χ^2/NDF : 417739.4/22

+ sign 2.696+/-0.002 χ^2/NDF : 46136695.0/40

All: 2.668+/-0.001 χ^2/NDF : 90906105.3/82

- sign 2.644+/-0.001 χ^2/NDF : 44768832.8/41

asym_cav4cQ_mean vs Slug



Right In: 100.742 $\pm$ 91.159 χ^2 /NDF: 12.0/16

Left Out: -43.062 $\pm$ 50.286 χ^2 /NDF: 8.7/23

Right Out: -37.835 $\pm$ 84.525 χ^2 /NDF: 14.0/18

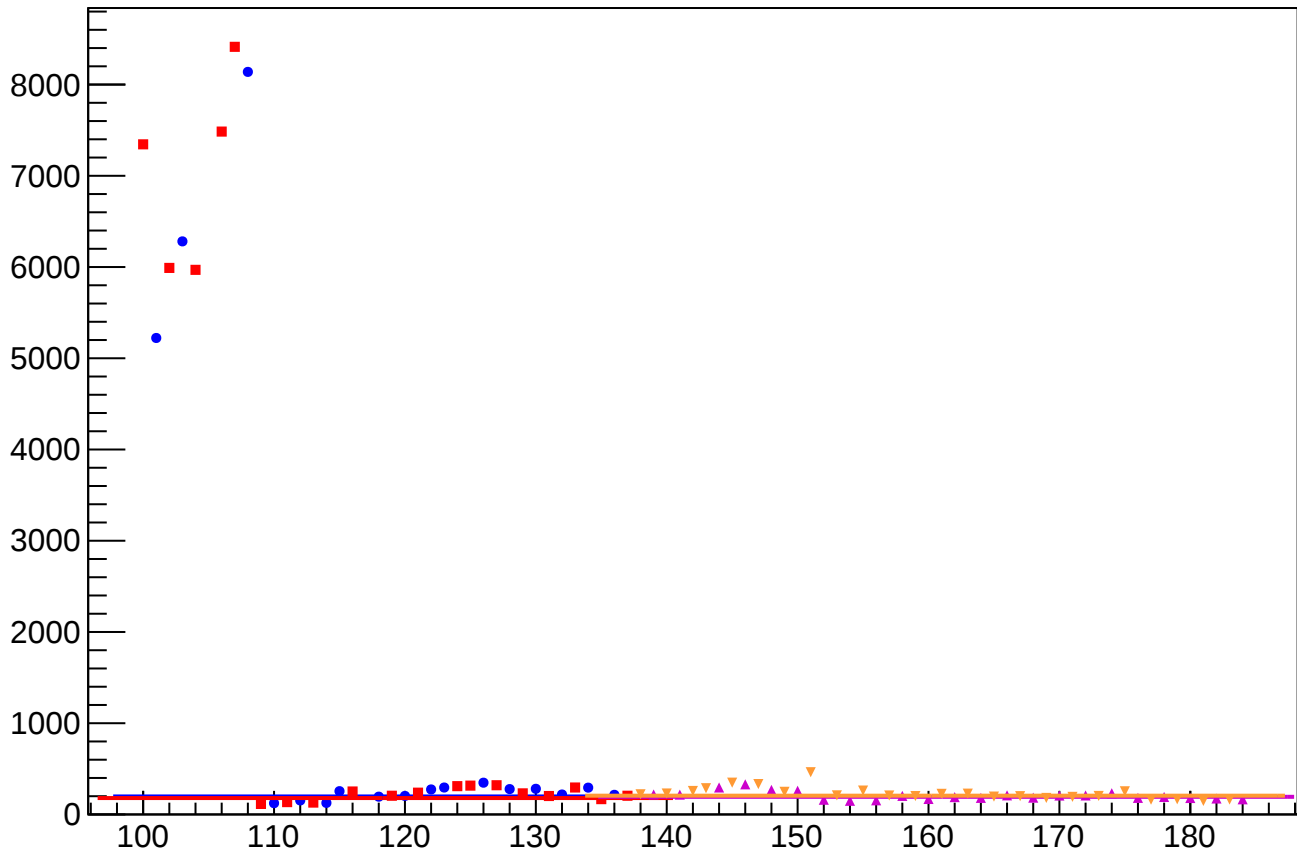
Left In: -28.205 $\pm$ 48.167 χ^2 /NDF: 9.2/22

+ sign -9.512 $\pm$ 44.031 χ^2 /NDF: 22.6/40

All: -20.573 $\pm$ 30.334 χ^2 /NDF: 45.9/82

- sign -30.565 $\pm$ 41.849 χ^2 /NDF: 23.2/41

asym_cav4cQ_rms vs Slug



Right In: 197.308+/-0.064 χ^2/NDF : 3696256.2/16

Left Out: 205.797+/-0.036 χ^2/NDF :1904564.4/23

Right Out: 179.749+/-0.060 χ^2/NDF : 4315581.1/18

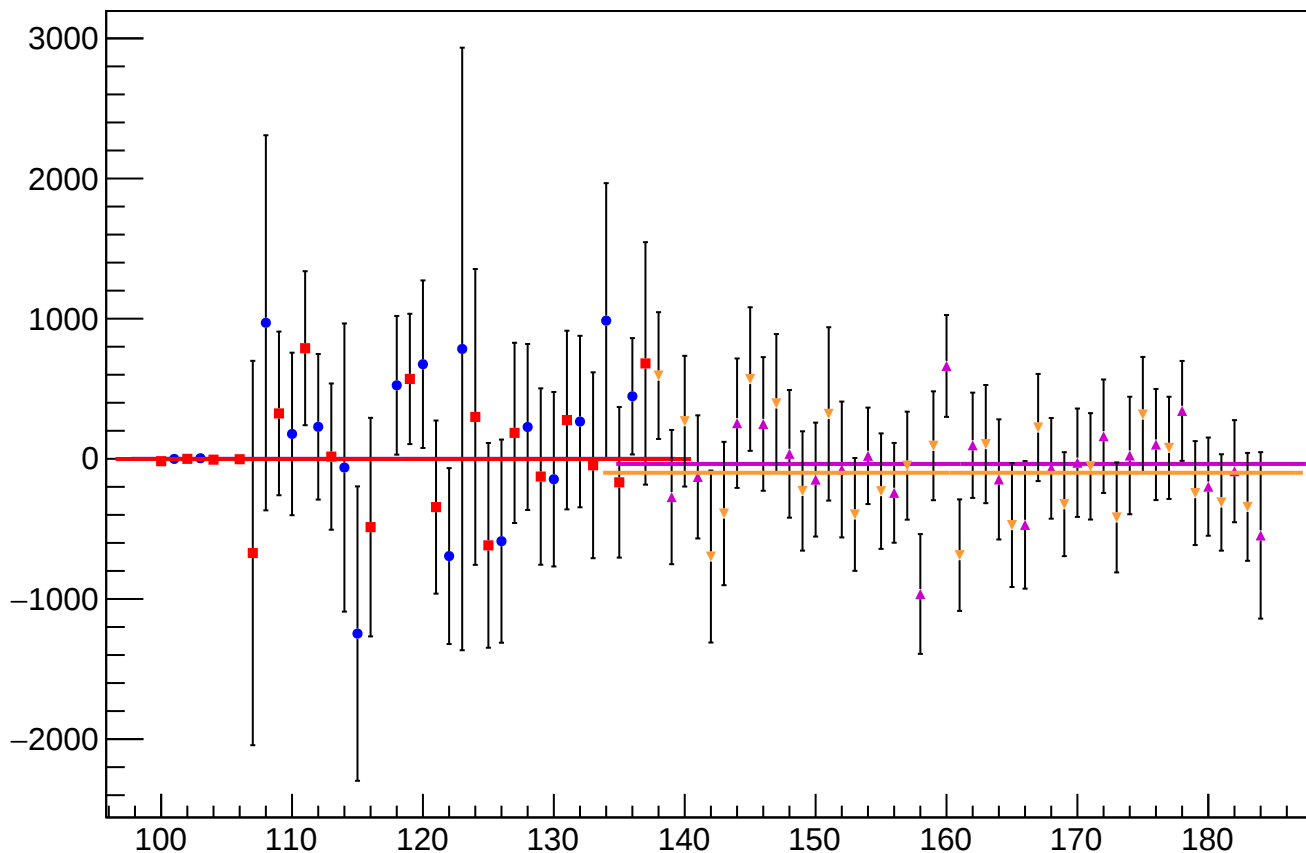
Left In: 193.405+/-0.034 χ^2/NDF :1172169.3/22

+ sign 203.816+/-0.031 χ^2/NDF : 5614119.2/40

All: 196.587+/-0.021 χ^2/NDF : 11243882.9/82

- sign 190.057+/-0.030 χ^2/NDF : 5527157.6/41

asym_cav4dQ_mean vs Slug



Right In: -0.140 ± 1.737 χ^2/NDF : 10.0/16

Left Out: -99.419 ± 85.150 χ^2/NDF : 15.5/23

Right Out: -1.323 ± 1.623 χ^2/NDF : 9.4/18

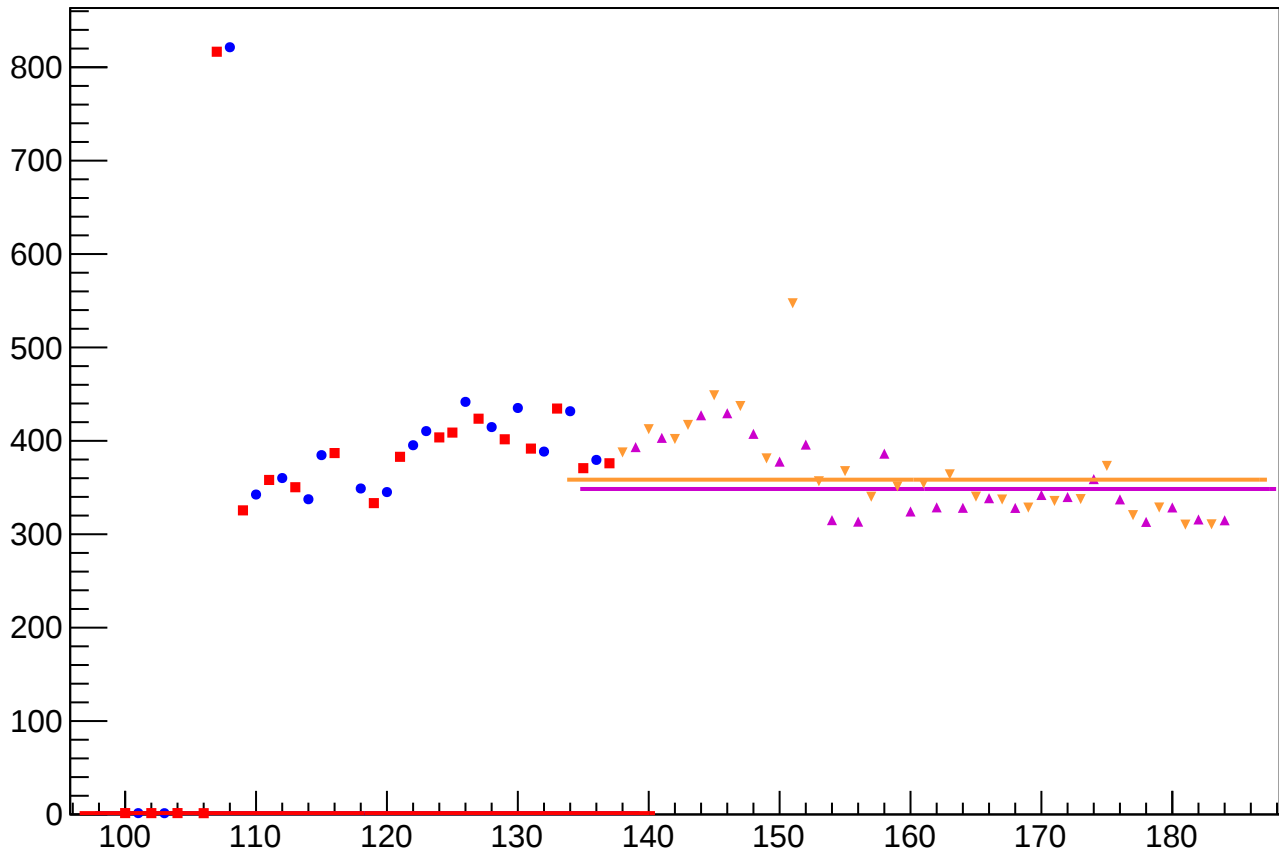
Left In: -36.497 ± 84.675 χ^2/NDF : 13.5/22

+ sign -0.181 ± 1.736 χ^2/NDF : 26.9/40

All: -0.797 ± 1.185 χ^2/NDF : 50.2/82

- sign -1.335 ± 1.622 χ^2/NDF : 23.1/41

asym_cav4dQ_rms vs Slug



Right In: 1.453+/-0.001 χ^2/NDF : 10914608.7/16

Left Out: 358.440+/-0.060 χ^2/NDF : 526038.2/23

Right Out: 1.451+/-0.001 χ^2/NDF : 10838834.3/18

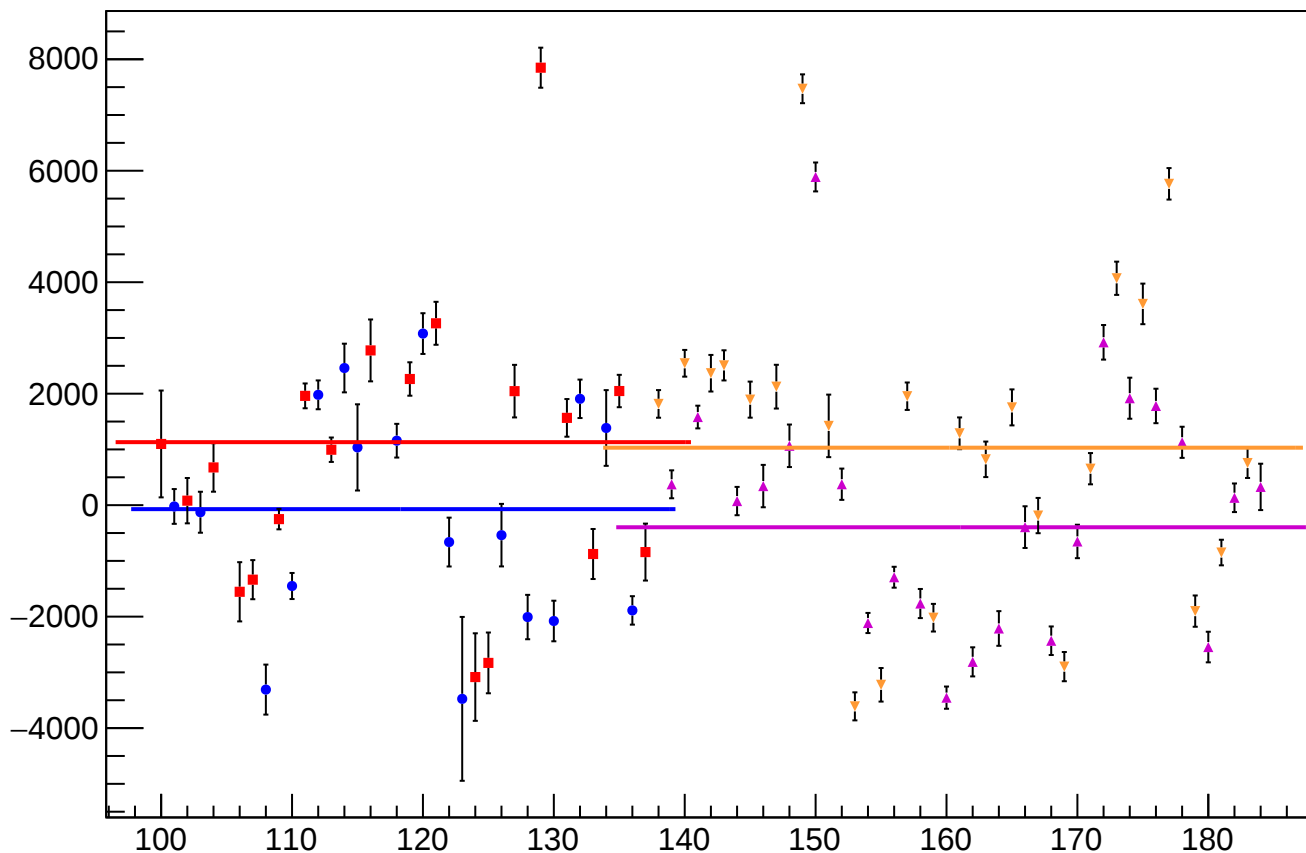
Left In: 348.464+/-0.060 χ^2/NDF : 360425.7/22

+ sign 1.601+/-0.001 χ^2/NDF : 46579413.2/40

All: 1.589+/-0.001 χ^2/NDF : 91356410.7/82

- sign 1.578+/-0.001 χ^2/NDF : 44776814.4/41

asym_bcm0l02_mean vs Slug



Right In: -71.539 ± 87.764 $\chi^2/\text{NDF}: 426.3/16$

Left Out: 1031.045 ± 58.098 $\chi^2/\text{NDF}: 2296.3/23$

Right Out: 1130.395 ± 78.436 $\chi^2/\text{NDF}: 688.9/18$

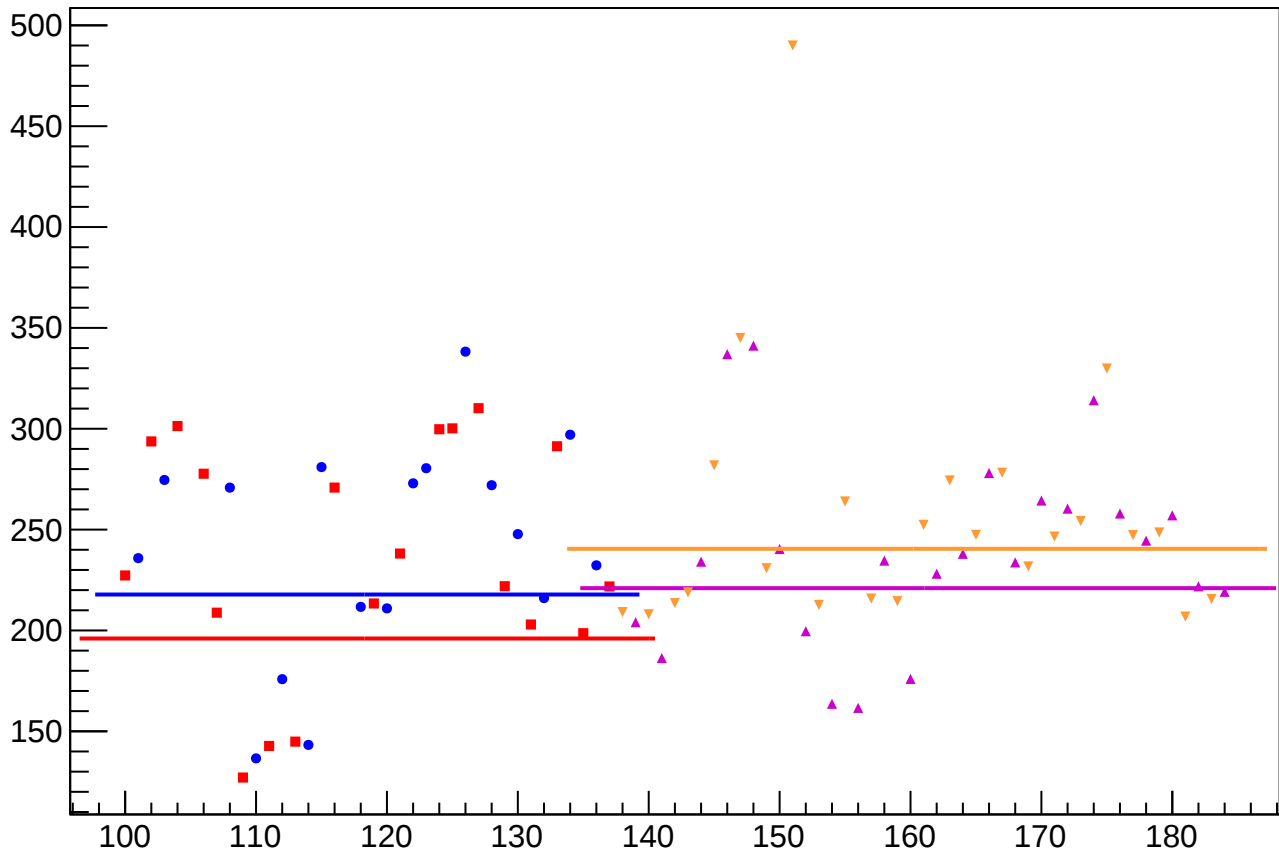
Left In: -396.609 ± 55.090 $\chi^2/\text{NDF}: 1581.0/22$

+ sign 695.097 ± 48.445 $\chi^2/\text{NDF}: 2832.3/40$

All: 380.372 ± 33.002 $\chi^2/\text{NDF}: 5434.8/82$

- sign 107.828 ± 45.082 $\chi^2/\text{NDF}: 2523.7/41$

asym_bcm0l02_rms vs Slug



Right In: 217.814 $\pm$ 0.062 χ^2 /NDF: 661049.8/16

Left Out: 240.480 $\pm$ 0.041 χ^2 /NDF:992933.4/23

Right Out: 196.014 $\pm$ 0.055 χ^2 /NDF: 1189121.8/18

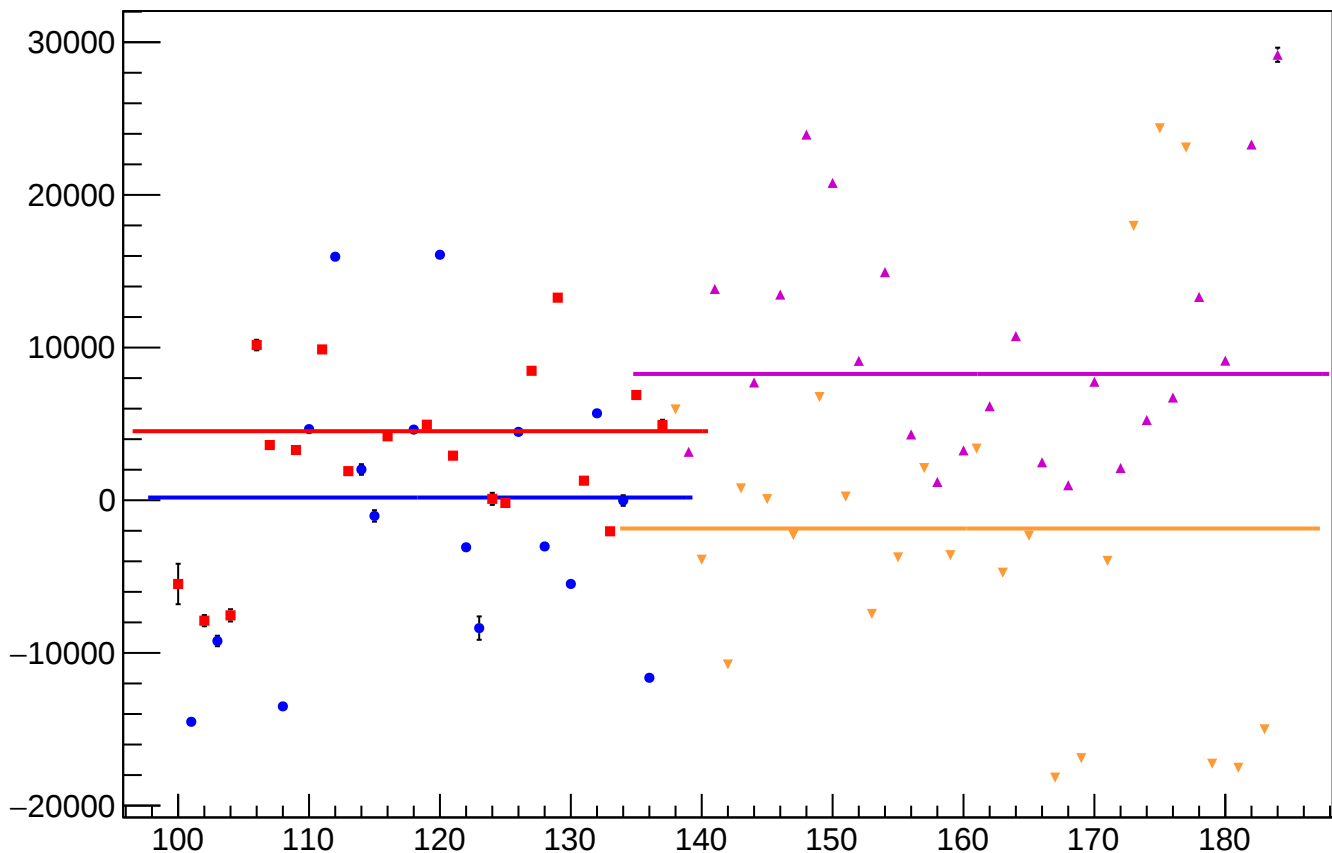
Left In: 220.972 $\pm$ 0.039 χ^2 /NDF:1327680.6/22

+ sign 233.574 $\pm$ 0.034 χ^2 /NDF: 1746735.1/40

All: 222.402 $\pm$ 0.023 χ^2 /NDF: 4597620.6/82

- sign 212.727 $\pm$ 0.032 χ^2 /NDF: 2652405.5/41

asym_bpm0i02WS_mean vs Slug



Right In: 178.788+/-54.896 χ^2/NDF : 30662.2/16

Left Out: -1850.195+/-42.671 χ^2/NDF : 62507.7/23

Right Out: 4523.222+/-52.440 χ^2/NDF : 7474.2/18

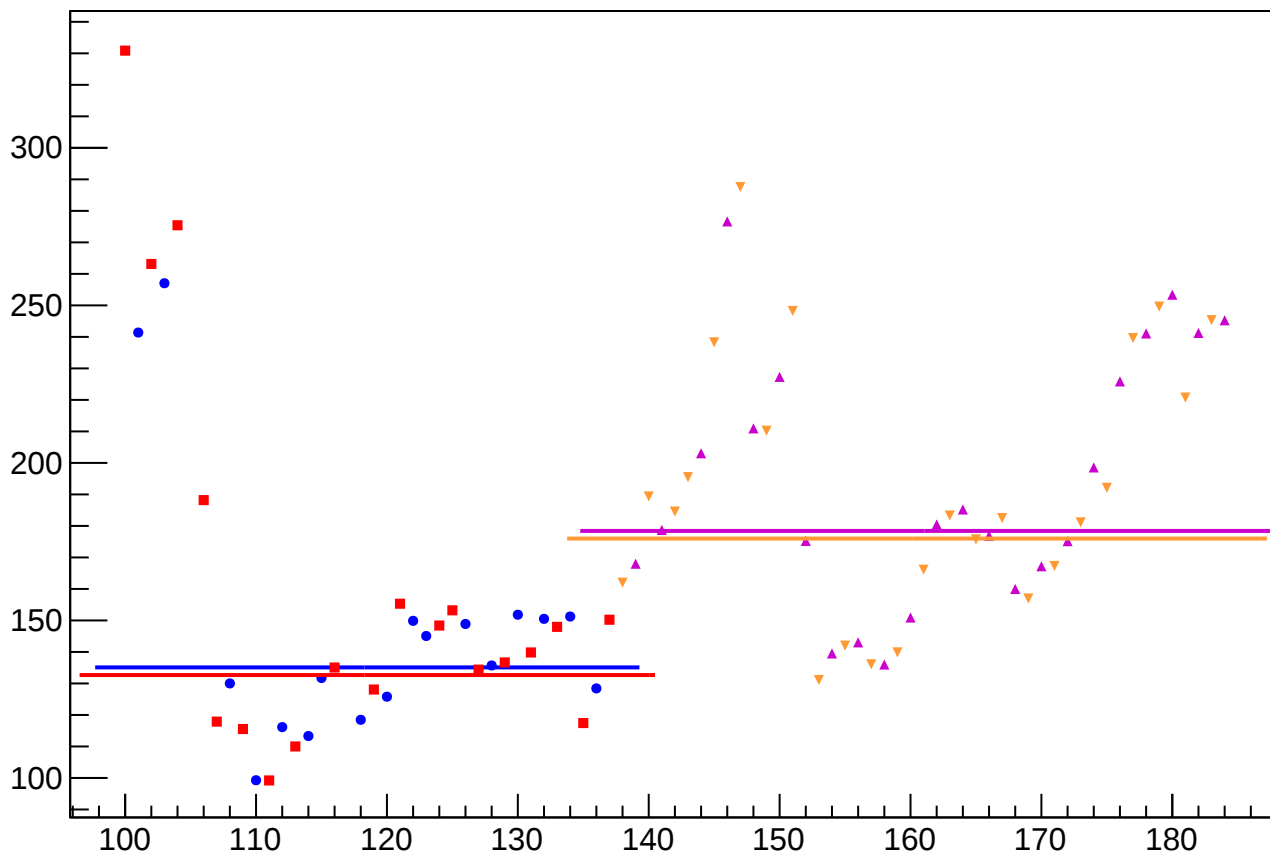
Left In: 8273.228+/-44.301 χ^2/NDF : 22870.2/22

+ sign -1086.011+/-33.690 χ^2/NDF : 94021.5/40

All: 2795.272+/-23.876 χ^2/NDF : 154013.8/82

- sign 6711.488+/-33.841 χ^2/NDF : 33328.4/41

asym_bpm0i02WS_rms vs Slug



Right In: 135.099 ± 0.039 χ^2/NDF : 657657.4/16

Left Out: 175.992 ± 0.030 χ^2/NDF : 1510458.7/23

Right Out: 132.672 ± 0.037 χ^2/NDF : 828363.1/18

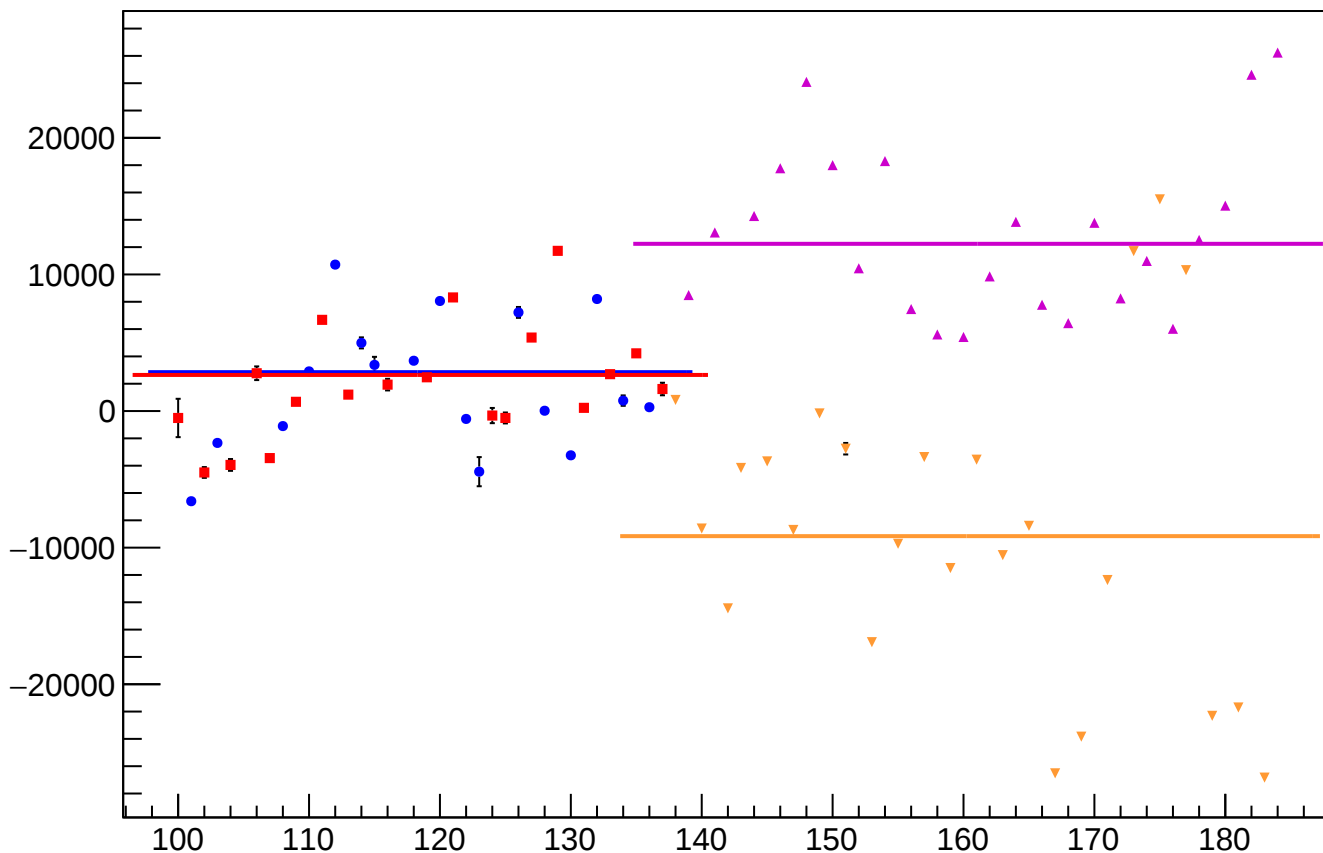
Left In: 178.413 ± 0.031 χ^2/NDF : 1293736.2/22

+ sign 160.590 ± 0.024 χ^2/NDF : 2859946.4/40

All: 159.980 ± 0.017 χ^2/NDF : 5871322.8/82

- sign 159.364 ± 0.024 χ^2/NDF : 3010056.8/41

asym_bpm0i02aWS_mean vs Slug



Right In: 2846.117+/-70.894 χ^2/NDF : 4160.1/16

Left Out: -9157.806+/-45.986 χ^2/NDF : 59867.8/23

Right Out: 2643.505+/-65.711 χ^2/NDF : 3177.7/18

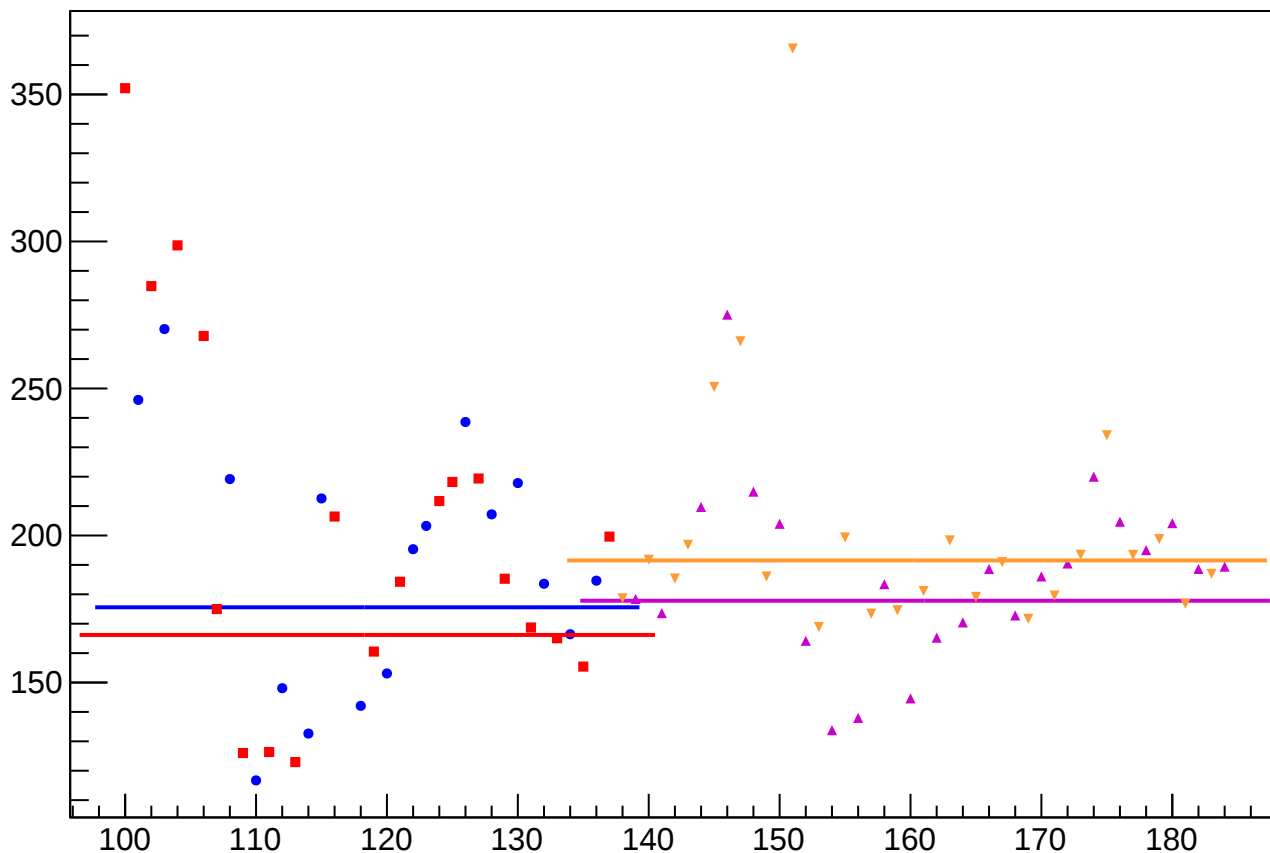
Left In: 12242.226+/-43.944 χ^2/NDF : 16615.8/22

+ sign -5602.805+/-38.581 χ^2/NDF : 84207.1/40

All: 2242.730+/-26.525 χ^2/NDF : 197169.4/82

- sign 9275.976+/-36.529 χ^2/NDF : 34537.4/41

asym_bpm0i02aWS_rms vs Slug



Right In: 175.582+/-0.050 χ^2/NDF : 687852.4/16

Left Out: 191.517+/-0.033 χ^2/NDF : 725777.4/23

Right Out: 166.180+/-0.046 χ^2/NDF : 925559.0/18

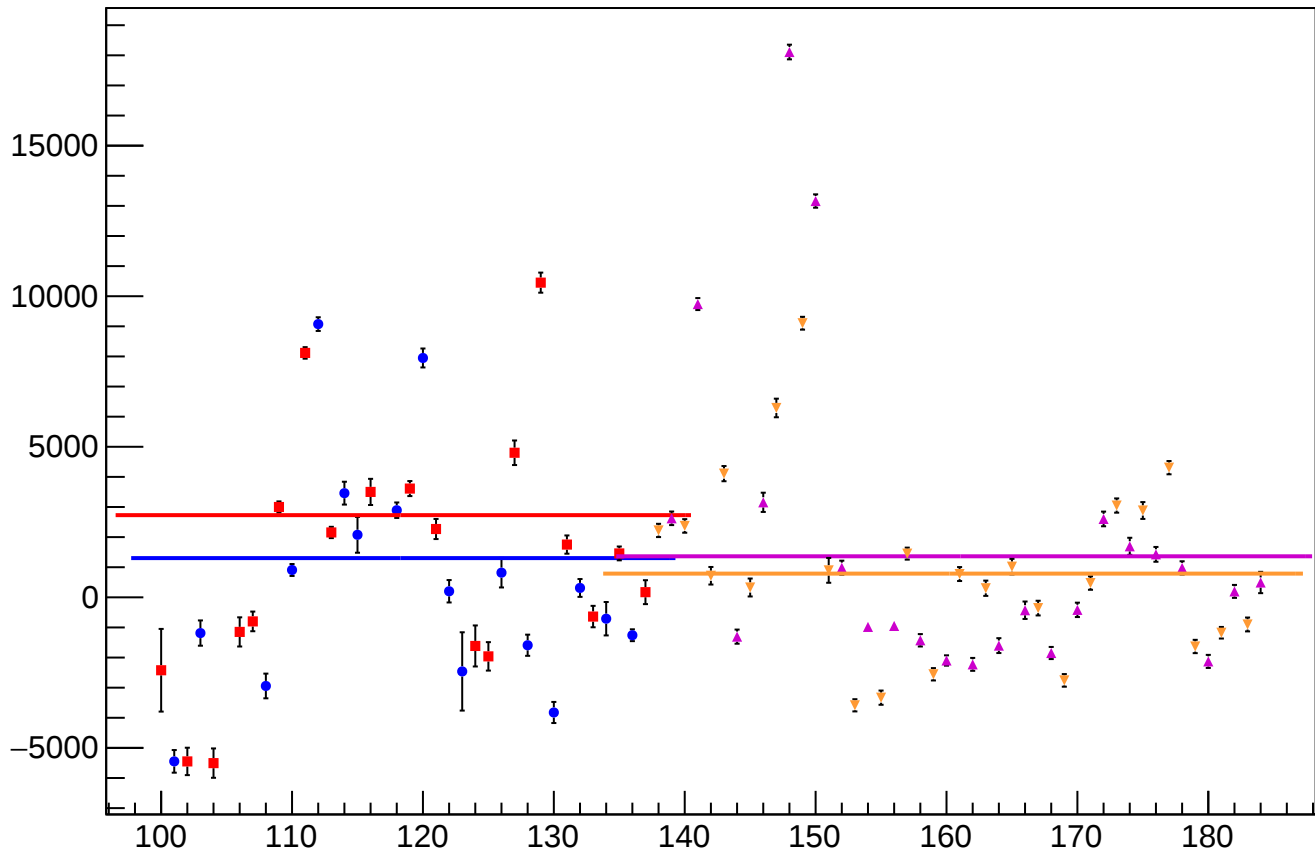
Left In: 177.821+/-0.031 χ^2/NDF : 862494.4/22

+ sign 186.798+/-0.027 χ^2/NDF : 1484751.3/40

All: 180.168+/-0.019 χ^2/NDF : 3428194.3/82

- sign 174.224+/-0.026 χ^2/NDF : 1831427.0/41

asym_bpm0i05WS_mean vs Slug



Right In: 1302.950 ± 77.323 χ^2/NDF : 2649.9/16

Left Out: 787.838 ± 47.968 χ^2/NDF : 4146.3/23

Right Out: 2729.355 ± 70.012 χ^2/NDF : 2497.2/18

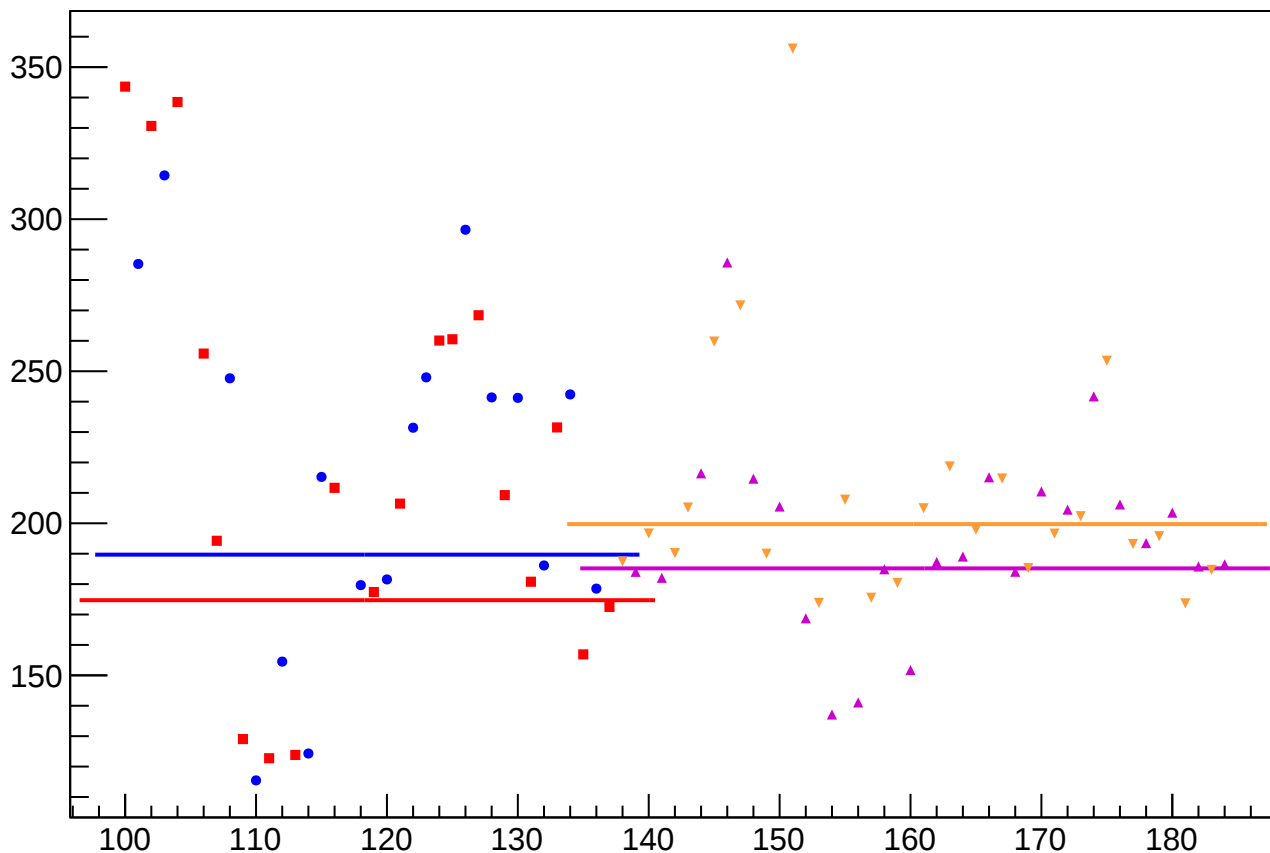
Left In: 1363.043 ± 45.807 χ^2/NDF : 11632.9/22

+ sign 930.986 ± 40.762 χ^2/NDF : 6828.2/40

All: 1377.632 ± 27.924 χ^2/NDF : 21451.1/82

- sign 1772.602 ± 38.331 χ^2/NDF : 14396.7/41

asym_bpm0i05WS_rms vs Slug



Right In: 189.687 ± 0.055 χ^2/NDF : 977199.2/16

Left Out: 199.729 ± 0.034 χ^2/NDF : 724753.3/23

Right Out: 174.707 ± 0.050 χ^2/NDF : 1291115.5/18

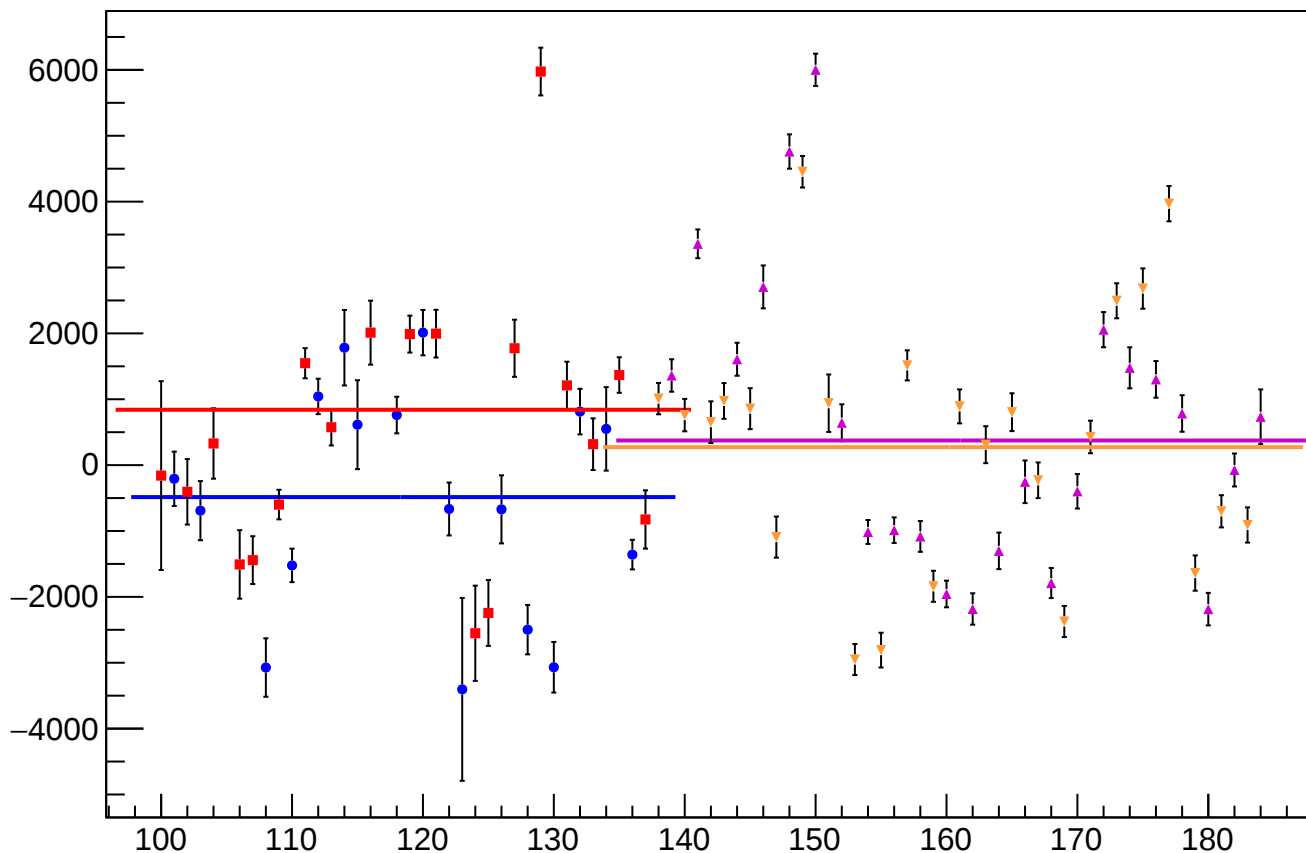
Left In: 185.171 ± 0.032 χ^2/NDF : 882752.2/22

+ sign 196.938 ± 0.029 χ^2/NDF : 1726310.0/40

All: 189.028 ± 0.020 χ^2/NDF : 4073363.1/82

- sign 182.034 ± 0.027 χ^2/NDF : 2205151.5/41

asym_bpm0i07WS_mean vs Slug



Right In: -485.036 ± 88.788 χ^2/NDF : 285.3/16

Left Out: 272.921 ± 54.087 χ^2/NDF : 1332.5/23

Right Out: 840.594 ± 82.233 χ^2/NDF : 438.2/18

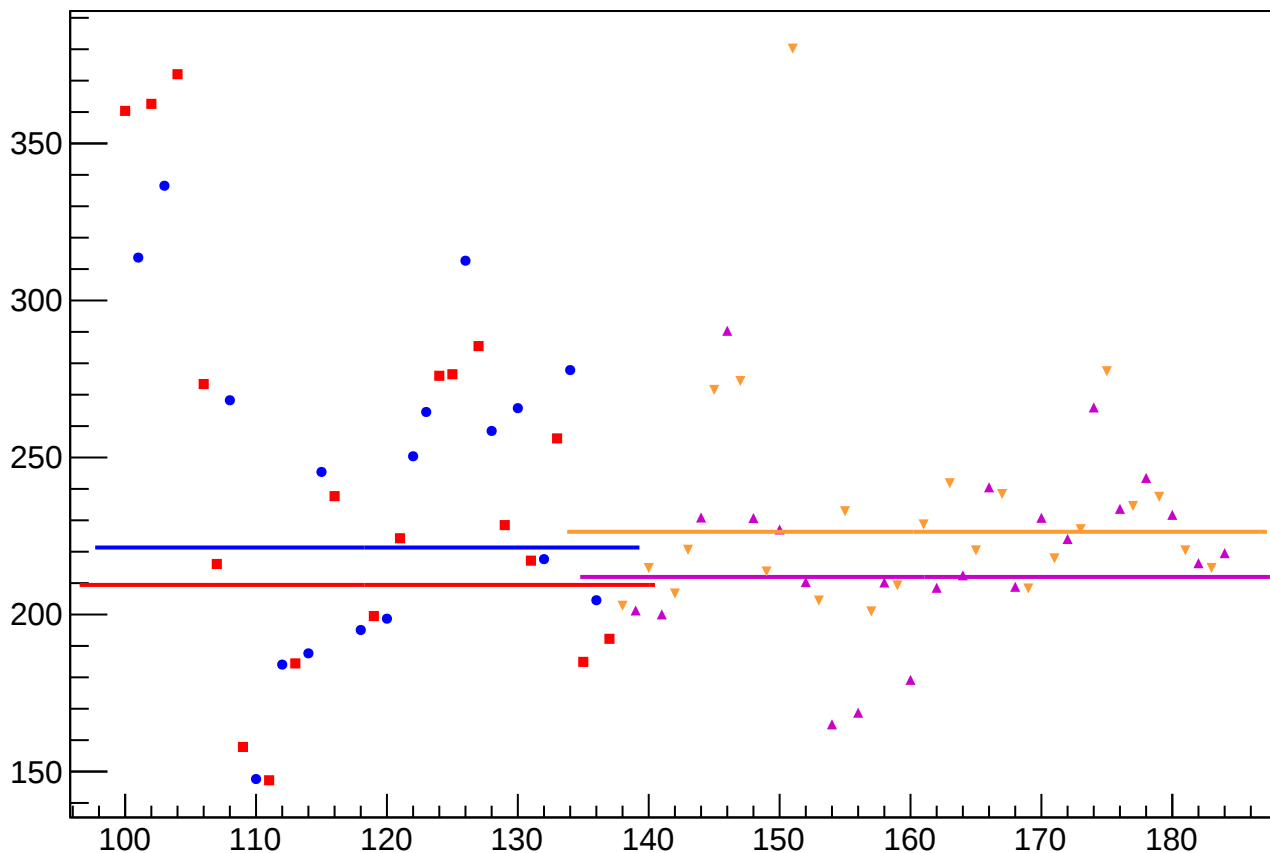
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign 67.782 ± 46.191 χ^2/NDF : 1671.0/40

All: 298.444 ± 31.851 χ^2/NDF : 3980.7/82

- sign 507.548 ± 43.980 χ^2/NDF : 2262.2/41

asym_bpm0i07WS_rms vs Slug



Right In: 221.339 $\pm$ 0.063 χ^2 /NDF: 645507.4/16

Left Out: 226.344 $\pm$ 0.038 χ^2 /NDF: 521166.2/23

Right Out: 209.428 $\pm$ 0.058 χ^2 /NDF: 879292.0/18

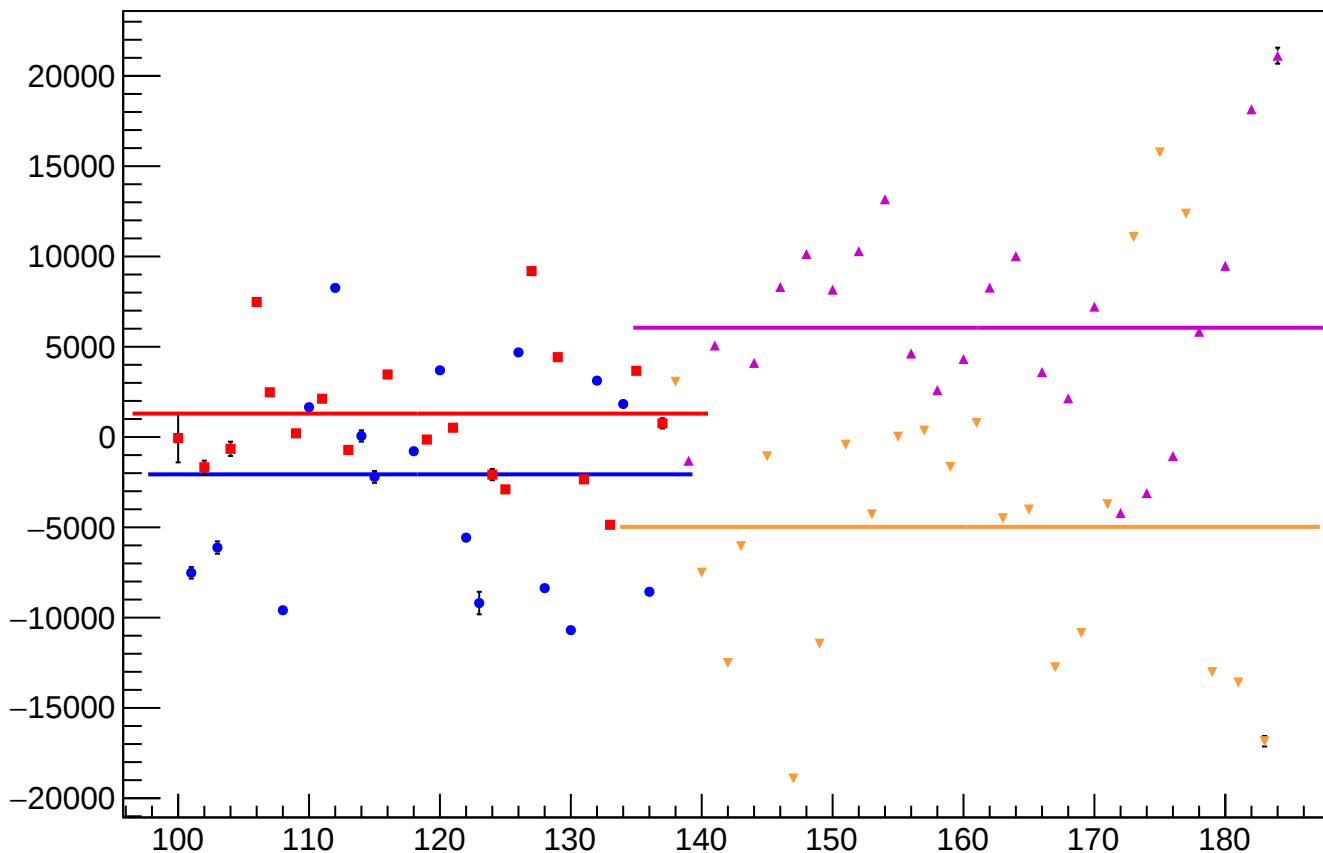
Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

+ sign 224.989 $\pm$ 0.033 χ^2 /NDF: 1171308.9/40

All: 217.779 $\pm$ 0.023 χ^2 /NDF: 2729216.8/82

- sign 211.243 $\pm$ 0.031 χ^2 /NDF: 1465001.3/41

asym_bpm1i02WS_mean vs Slug



Right In: -2065.524 ± 47.407 $\chi^2/\text{NDF}: 16535.7/16$

Left Out: -4974.129 ± 33.934 $\chi^2/\text{NDF}: 53452.9/23$

Right Out: 1298.632 ± 44.980 $\chi^2/\text{NDF}: 5909.5/18$

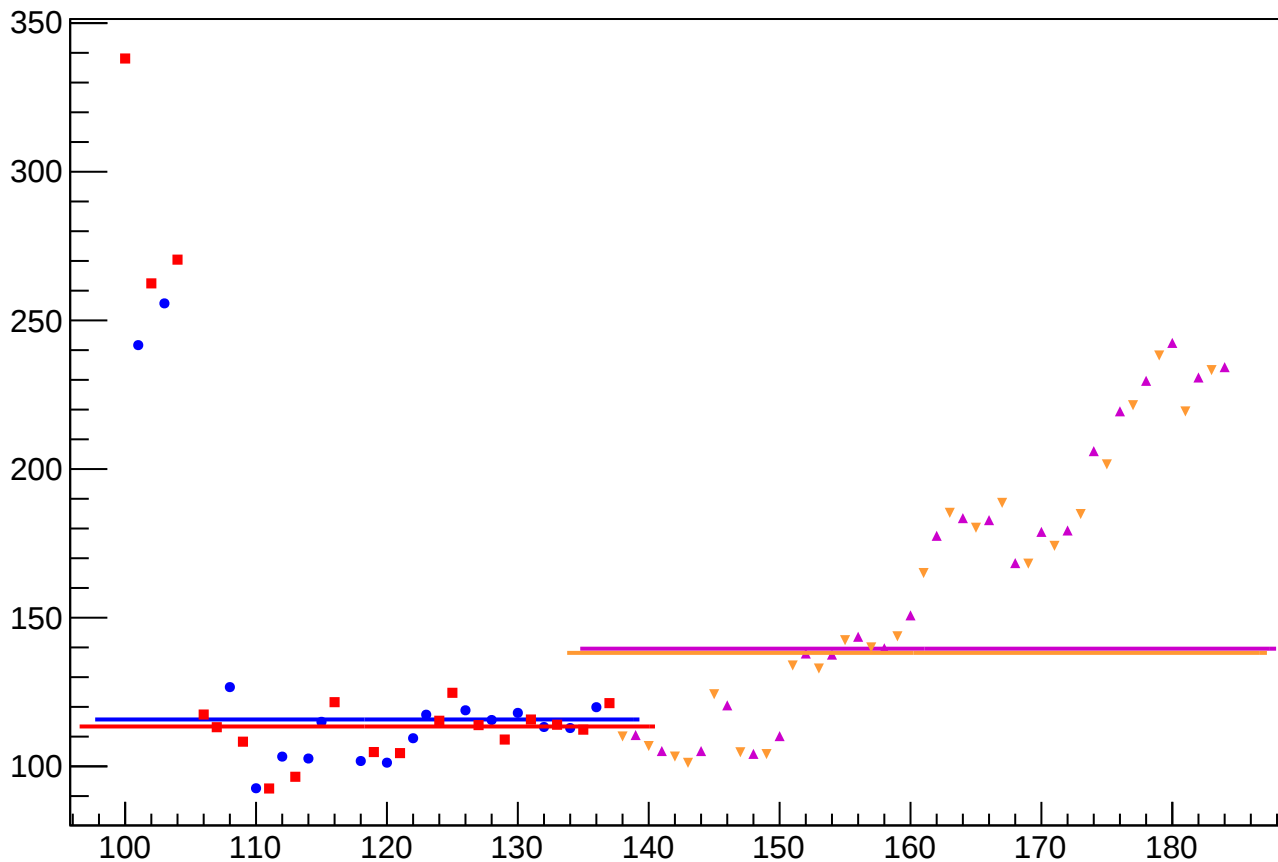
Left In: 6053.569 ± 34.998 $\chi^2/\text{NDF}: 17590.3/22$

+ sign -3988.737 ± 27.593 $\chi^2/\text{NDF}: 72477.6/40$

All: 131.604 ± 19.521 $\chi^2/\text{NDF}: 147579.7/82$

- sign 4260.470 ± 27.622 $\chi^2/\text{NDF}: 30460.6/41$

asym_bpm1i02WS_rms vs Slug



Right In: 115.768 $\pm$ 0.034 χ^2 /NDF: 743657.8/16

Left Out: 138.168 $\pm$ 0.024 χ^2 /NDF: 2458827.2/23

Right Out: 113.410 $\pm$ 0.032 χ^2 /NDF: 795303.3/18

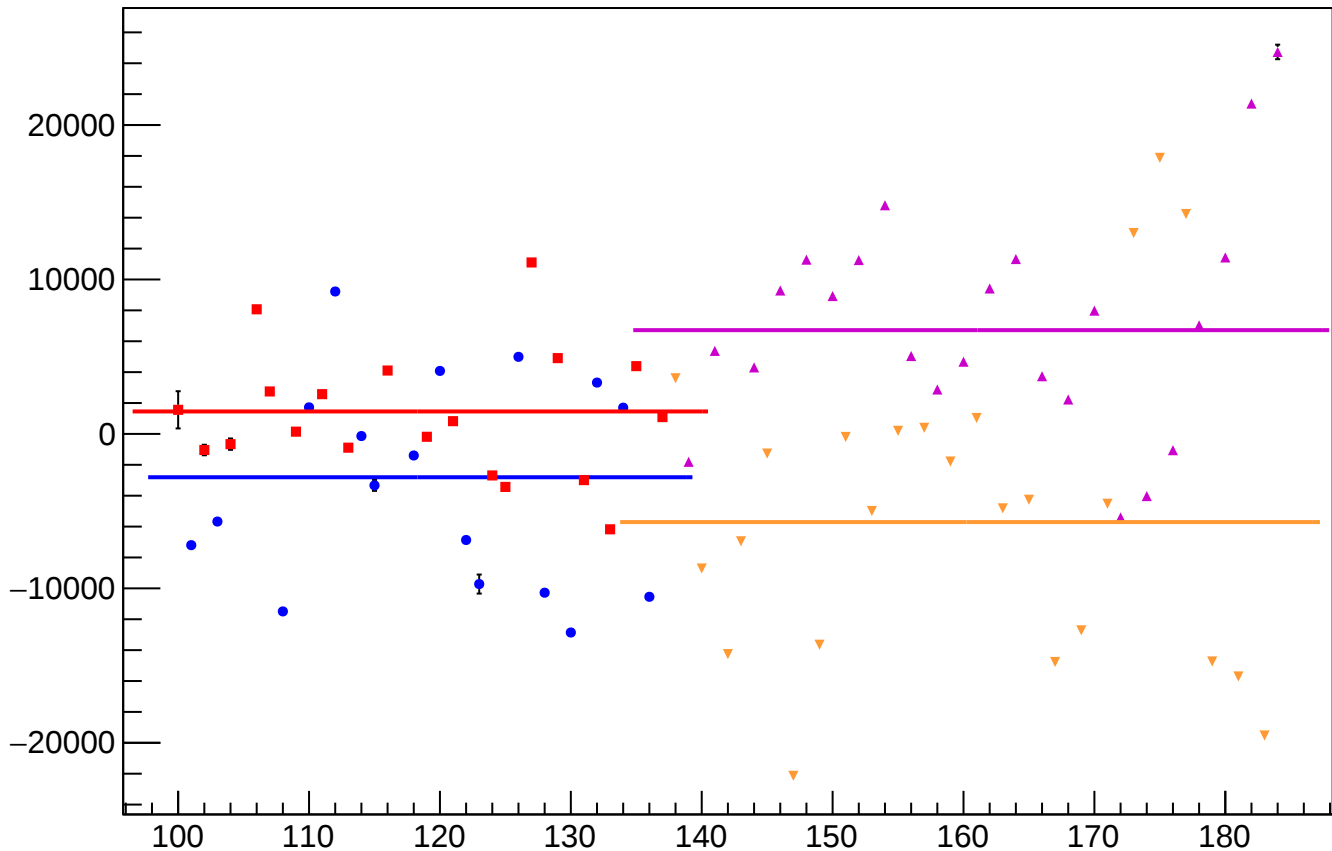
Left In: 139.578 $\pm$ 0.025 χ^2 /NDF: 2413658.9/22

+ sign 130.579 $\pm$ 0.020 χ^2 /NDF: 3497741.0/40

All: 130.145 $\pm$ 0.014 χ^2 /NDF: 7129322.7/82

- sign 129.710 $\pm$ 0.020 χ^2 /NDF: 3630590.1/41

asym_bpm2i01WS_mean vs Slug



Right In: -2805.410 ± 48.358 χ^2/NDF : 21259.6/16

Left Out: -5708.409 ± 36.120 χ^2/NDF : 62249.2/23

Right Out: 1454.376 ± 46.372 χ^2/NDF : 8020.2/18

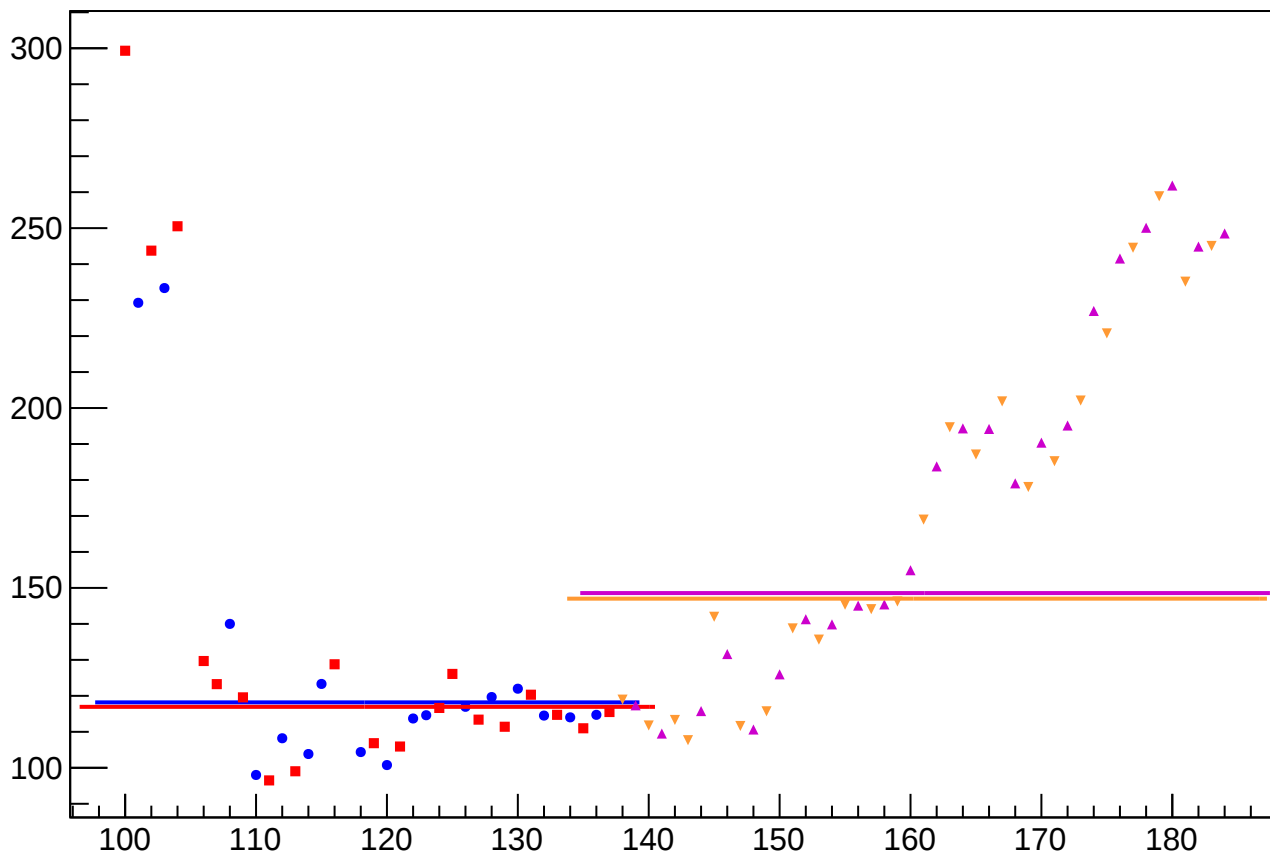
Left In: 6718.475 ± 37.276 χ^2/NDF : 20934.3/22

+ sign -4668.807 ± 28.939 χ^2/NDF : 85822.0/40

All: -26.632 ± 20.503 χ^2/NDF : 174272.7/82

- sign 4652.195 ± 29.053 χ^2/NDF : 36782.7/41

asym_bpm2i01WS_rms vs Slug



Right In: 118.187 $\pm$ 0.034 χ^2 /NDF: 636345.5/16

Left Out: 147.015 $\pm$ 0.026 χ^2 /NDF: 2421714.2/23

Right Out: 116.944 $\pm$ 0.033 χ^2 /NDF: 689368.0/18

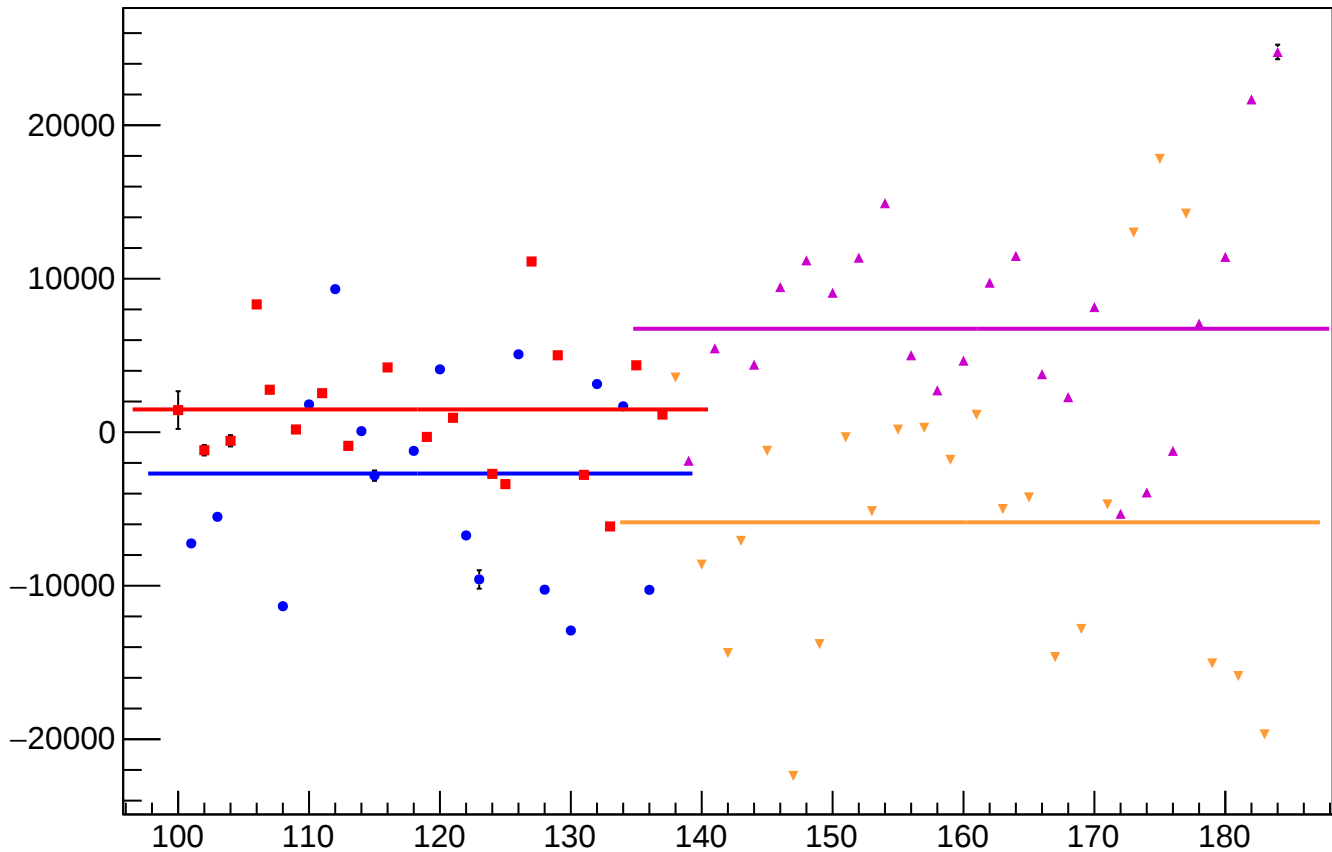
Left In: 148.569 $\pm$ 0.026 χ^2 /NDF: 2393185.0/22

+ sign 136.691 $\pm$ 0.020 χ^2 /NDF: 3514280.7/40

All: 136.424 $\pm$ 0.014 χ^2 /NDF: 7162253.5/82

- sign 136.155 $\pm$ 0.021 χ^2 /NDF: 3647630.6/41

asym_bpm2i02WS_mean vs Slug



Right In: -2691.569 ± 46.420 χ^2/NDF : 22847.7/16

Left Out: -5869.970 ± 35.311 χ^2/NDF : 66674.0/23

Right Out: 1484.889 ± 44.421 χ^2/NDF : 8724.0/18

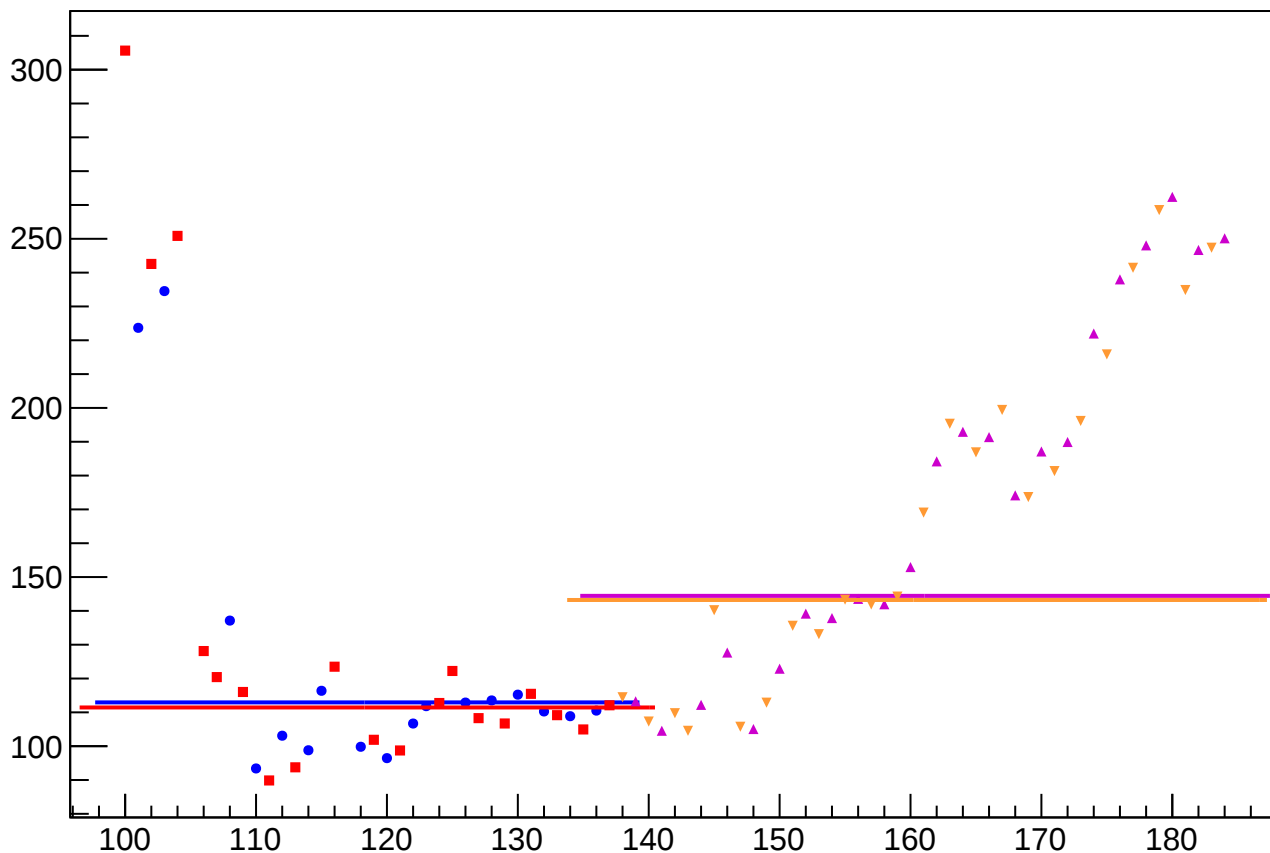
Left In: 6740.666 ± 36.379 χ^2/NDF : 22071.8/22

+ sign -4704.911 ± 28.104 χ^2/NDF : 92491.5/40

All: -43.907 ± 19.887 χ^2/NDF : 186757.5/82

- sign 4630.703 ± 28.145 χ^2/NDF : 39174.9/41

asym_bpm2i02WS_rms vs Slug



Right In: 112.944+/-0.033 χ^2/NDF : 680438.6/16

Left Out: 143.221+/-0.025 χ^2/NDF : 2607360.1/23

Right Out: 111.444+/-0.031 χ^2/NDF : 764132.1/18

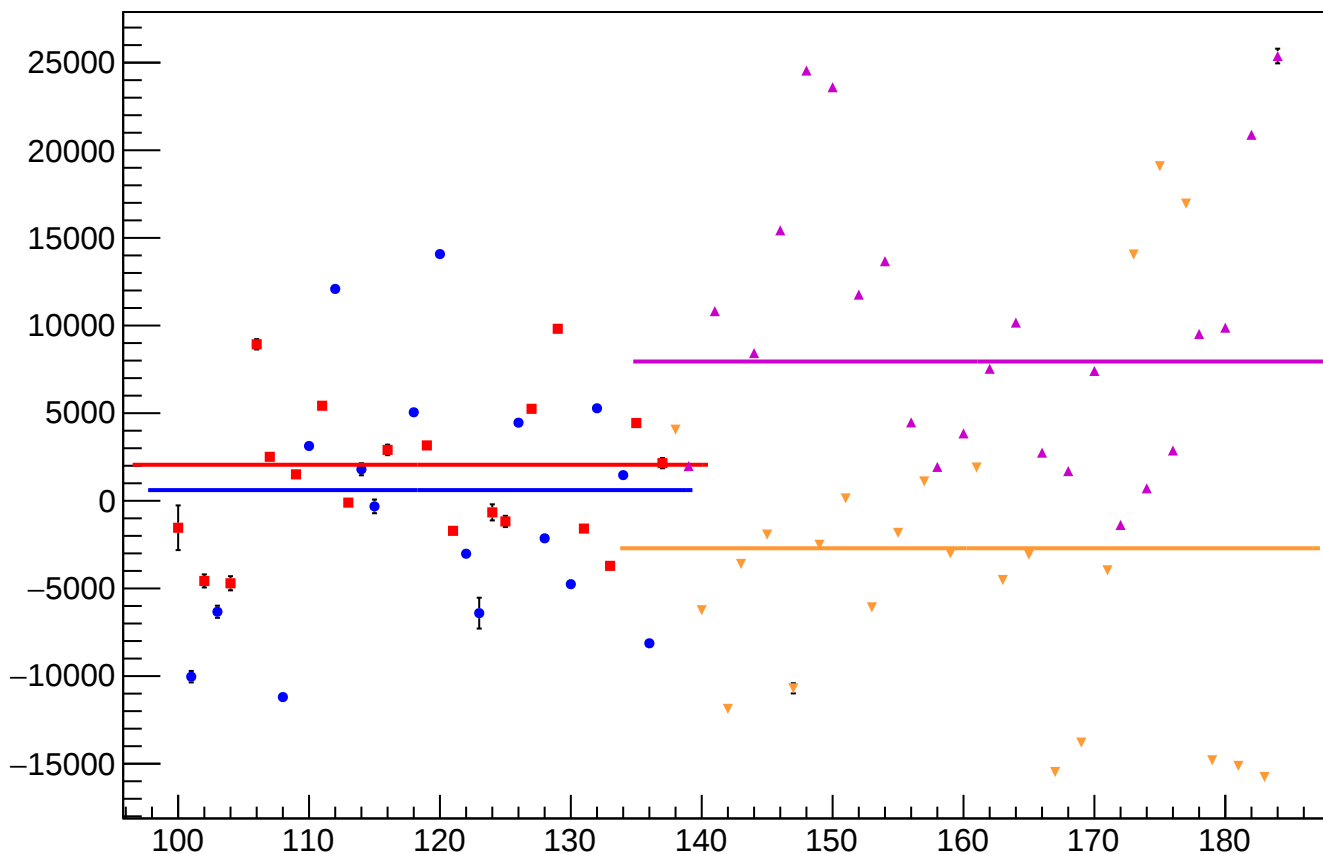
Left In: 144.440+/-0.026 χ^2/NDF : 2586926.1/22

+ sign 132.123+/-0.020 χ^2/NDF : 3826772.3/40

All: 131.659+/-0.014 χ^2/NDF : 7839413.0/82

- sign 131.193+/-0.020 χ^2/NDF : 4011548.8/41

asym_bpm0i01WS_mean vs Slug



Right In: 610.939 ± 56.154 $\chi^2/\text{NDF}: 18248.2/16$

Left Out: -2706.899 ± 39.751 $\chi^2/\text{NDF}: 45034.6/23$

Right Out: 2057.548 ± 53.904 $\chi^2/\text{NDF}: 4649.5/18$

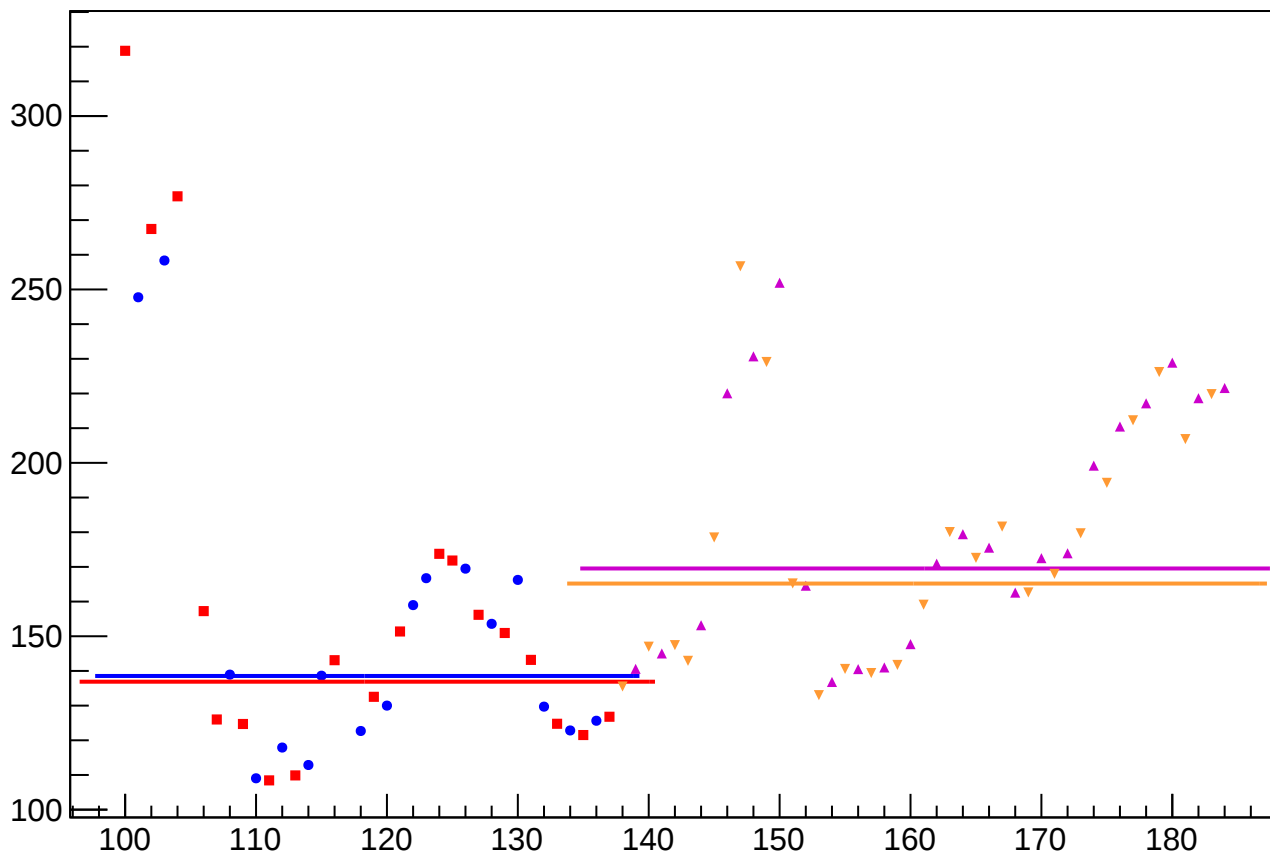
Left In: 7947.160 ± 41.726 $\chi^2/\text{NDF}: 23874.5/22$

+ sign -1599.298 ± 32.445 $\chi^2/\text{NDF}: 65608.4/40$

All: 2008.797 ± 23.134 $\chi^2/\text{NDF}: 126755.1/82$

- sign 5740.418 ± 32.995 $\chi^2/\text{NDF}: 35989.0/41$

asym_bpm0i01WS_rms vs Slug



Right In: 138.549 $\pm$ 0.040 χ^2 /NDF: 667663.4/16

Left Out: 165.196 $\pm$ 0.028 χ^2 /NDF: 1115429.8/23

Right Out: 136.895 $\pm$ 0.038 χ^2 /NDF: 751443.4/18

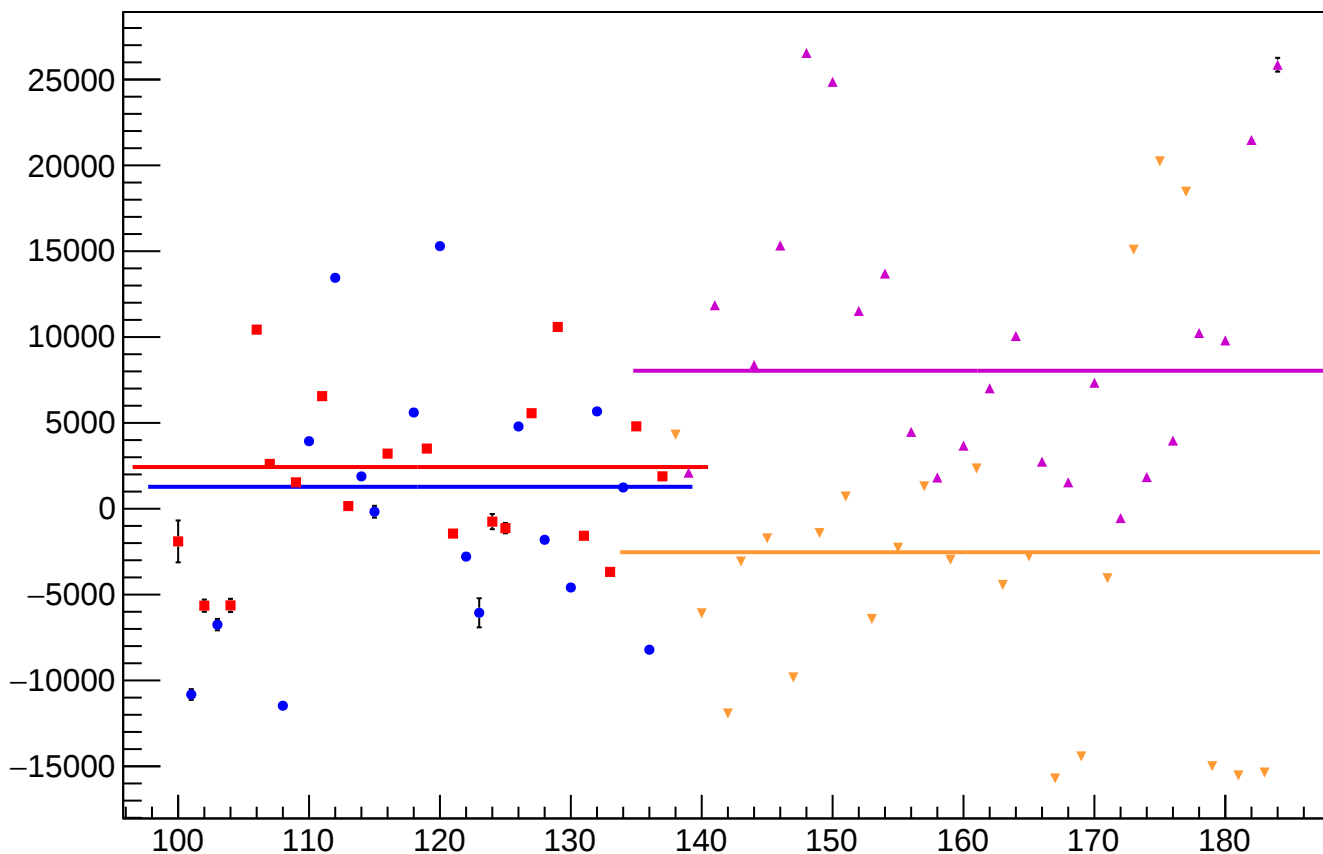
Left In: 169.542 $\pm$ 0.030 χ^2 /NDF: 1159241.9/22

+ sign 156.300 $\pm$ 0.023 χ^2 /NDF: 2083098.8/40

All: 156.796 $\pm$ 0.016 χ^2 /NDF: 4453470.8/82

- sign 157.309 $\pm$ 0.023 χ^2 /NDF: 2369420.5/41

asym_bpm0i01aWS_mean vs Slug



Right In: 1277.751+/-46.646 χ^2/NDF : 30549.2/16

Left Out: -2532.126+/-35.995 χ^2/NDF : 55319.1/23

Right Out: 2430.297+/-44.264 χ^2/NDF : 7696.9/18

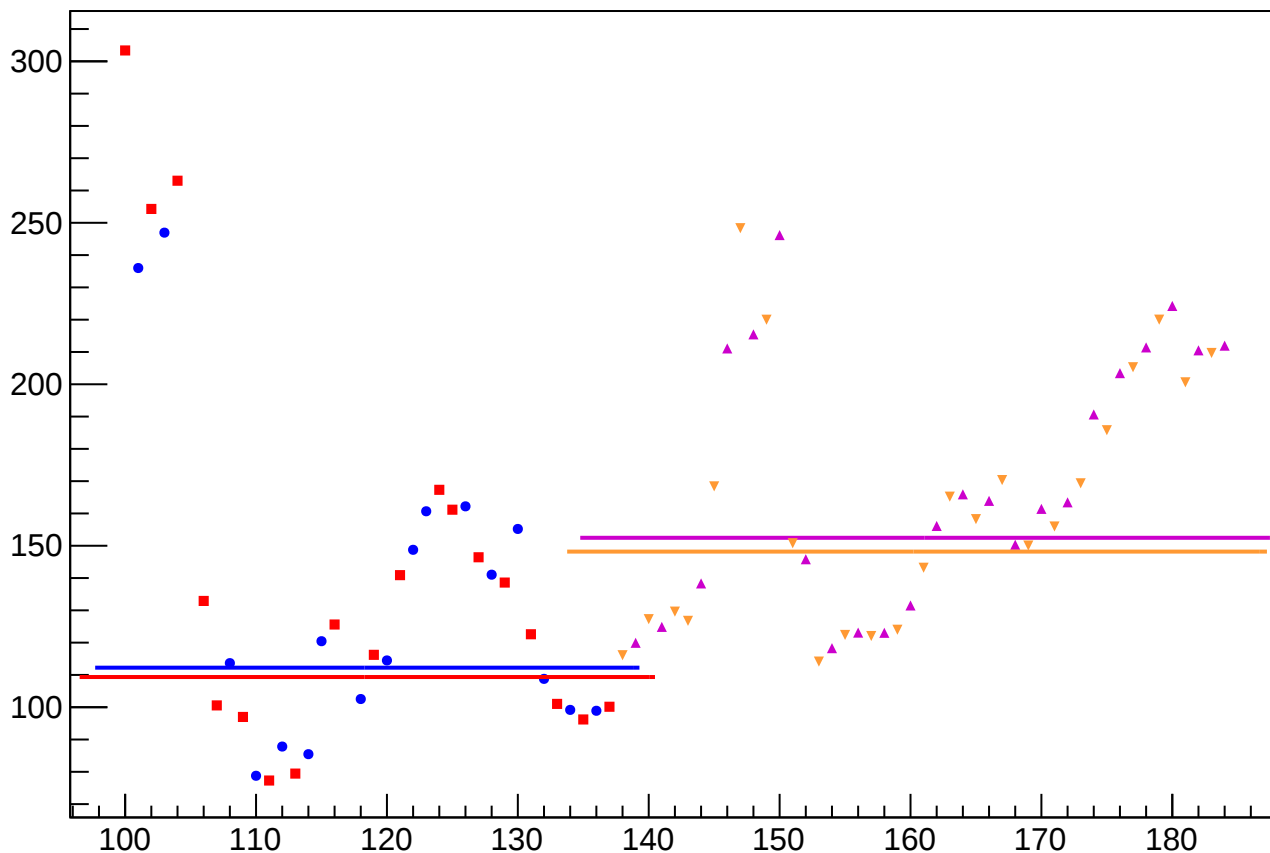
Left In: 8036.826+/-37.924 χ^2/NDF : 29261.6/22

+ sign -1110.186+/-28.497 χ^2/NDF : 90049.5/40

All: 2240.860+/-20.257 χ^2/NDF : 164211.4/82

- sign 5663.494+/-28.800 χ^2/NDF : 46210.1/41

asym_bpm0i01aWS_rms vs Slug



Right In: 112.247 $\pm$ 0.033 χ^2 /NDF: 1123602.1/16

Left Out: 148.189 $\pm$ 0.025 χ^2 /NDF: 1643052.4/23

Right Out: 109.351 $\pm$ 0.031 χ^2 /NDF: 1263029.6/18

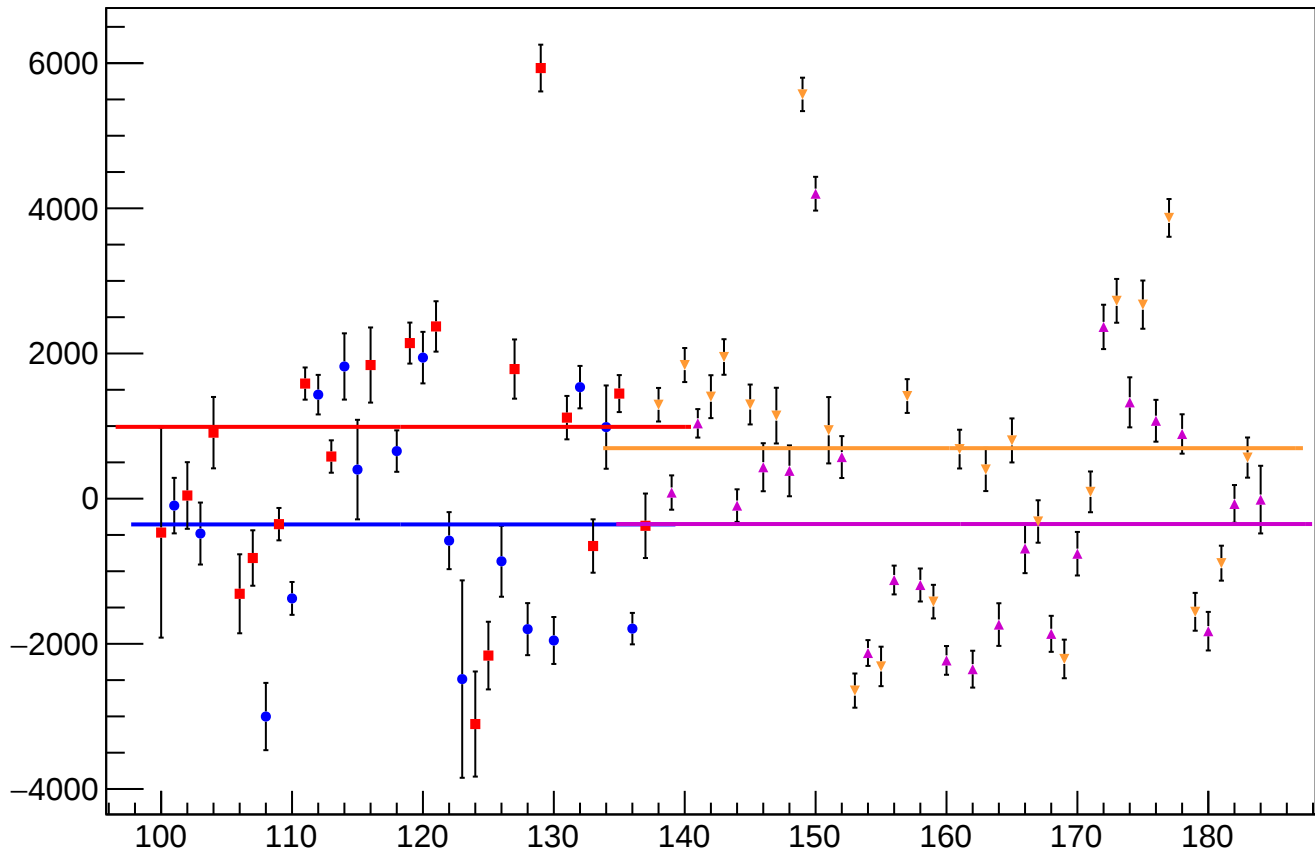
Left In: 152.463 $\pm$ 0.027 χ^2 /NDF: 1691517.7/22

+ sign 134.775 $\pm$ 0.020 χ^2 /NDF: 3510899.8/40

All: 134.497 $\pm$ 0.014 χ^2 /NDF: 7559954.1/82

- sign 134.213 $\pm$ 0.020 χ^2 /NDF: 4048670.0/41

asym_bpm0l01WS_mean vs Slug



Right In: -354.938 ± 84.016 χ^2/NDF : 310.6/16

Left Out: 695.579 ± 54.890 χ^2/NDF : 1417.7/23

Right Out: 989.192 ± 77.653 χ^2/NDF : 477.2/18

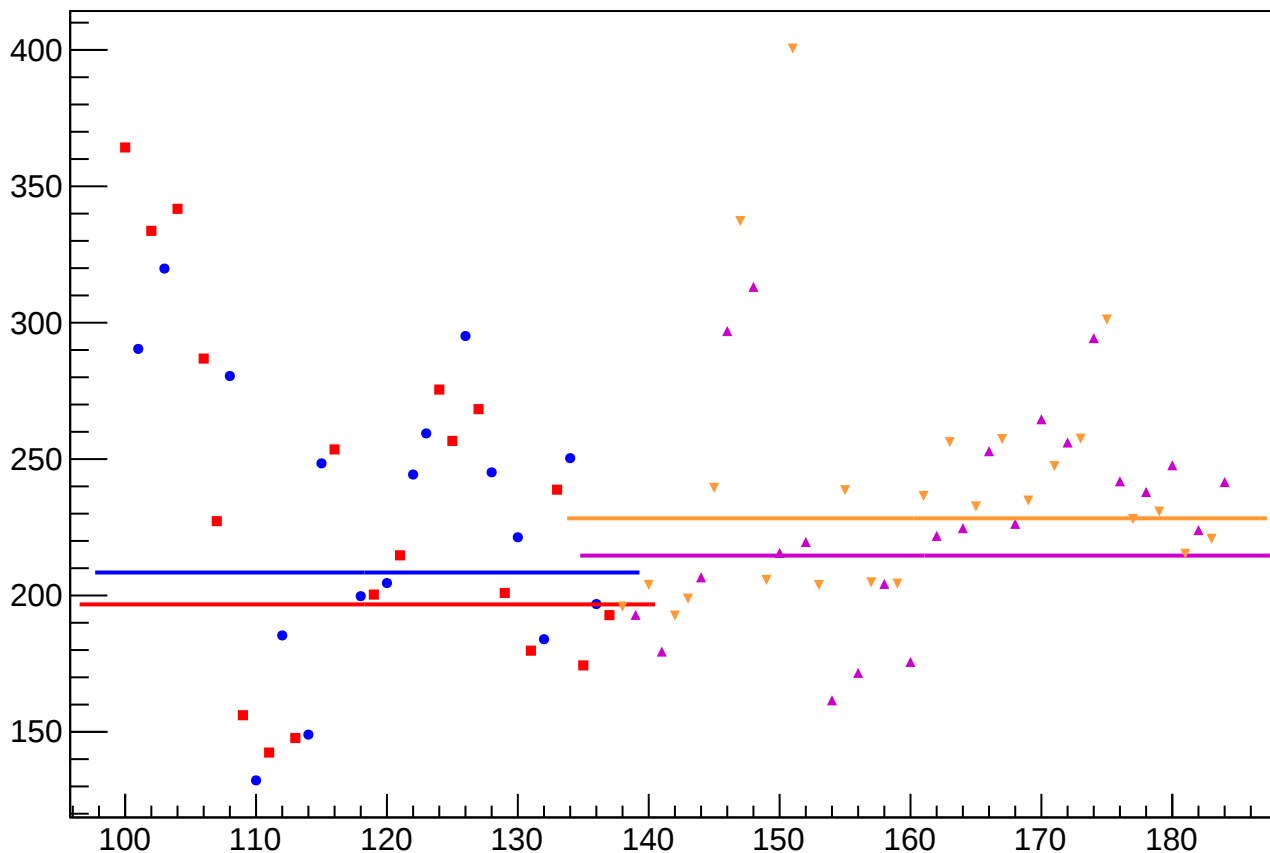
Left In: -349.623 ± 53.094 χ^2/NDF : 981.0/22

+ sign 381.314 ± 45.952 χ^2/NDF : 1837.9/40

All: 221.899 ± 31.716 χ^2/NDF : 3521.6/82

- sign 76.878 ± 43.829 χ^2/NDF : 1660.7/41

asym_bpm0l01WS_rms vs Slug



Right In: 208.429 $\pm$ 0.059 χ^2 /NDF: 696957.4/16

Left Out: 228.290 $\pm$ 0.039 χ^2 /NDF:825478.1/23

Right Out: 196.731 $\pm$ 0.055 χ^2 /NDF: 925461.3/18

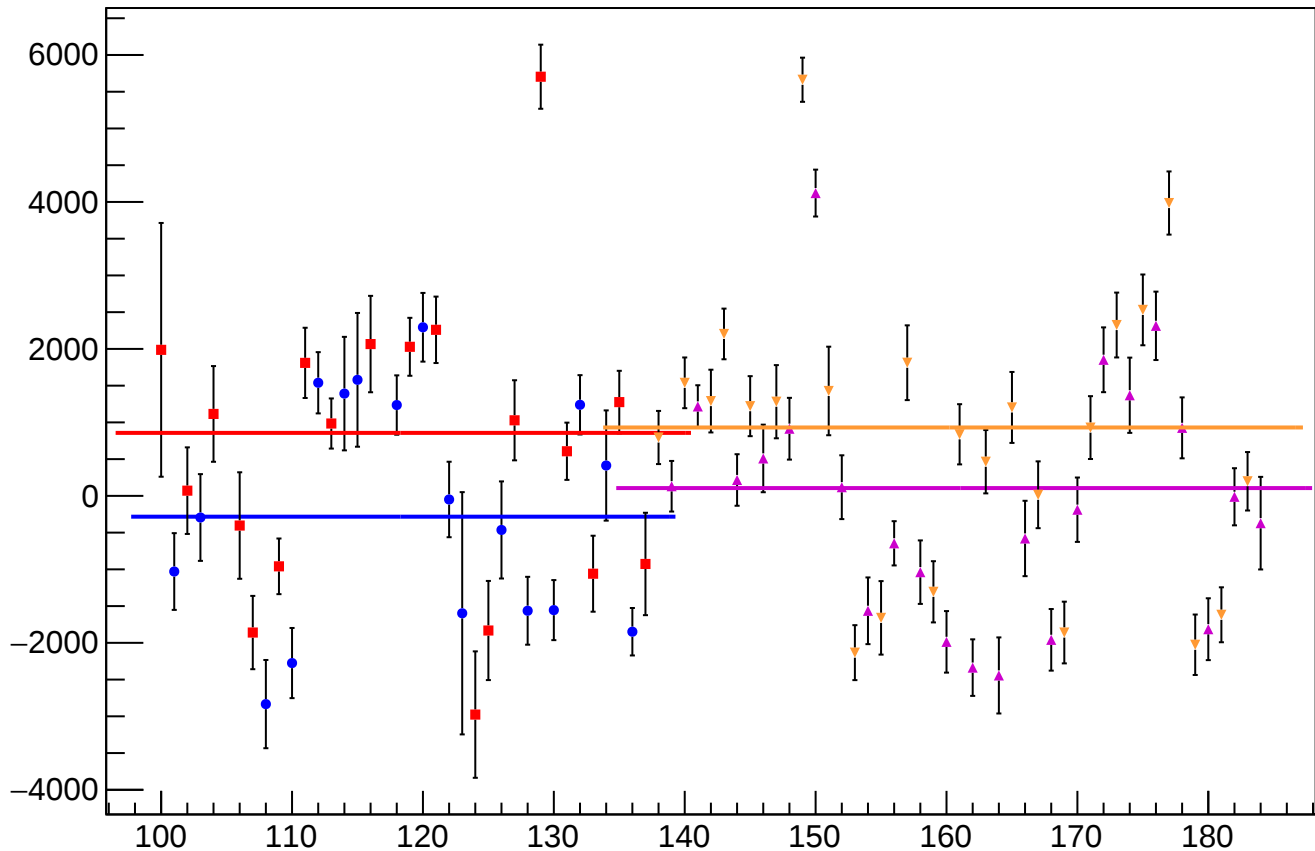
Left In: 214.627 $\pm$ 0.038 χ^2 /NDF:1025683.3/22

+ sign 222.349 $\pm$ 0.032 χ^2 /NDF: 1600767.0/40

All: 215.320 $\pm$ 0.022 χ^2 /NDF: 3713659.7/82

- sign 208.926 $\pm$ 0.031 χ^2 /NDF: 2023533.0/41

asym_bpm0l02WS_mean vs Slug



Right In: -283.146 ± 121.564 χ^2/NDF : 166.9/16

Left Out: 930.805 ± 84.387 χ^2/NDF : 615.9/23

Right Out: 857.162 ± 115.341 χ^2/NDF : 265.0/18

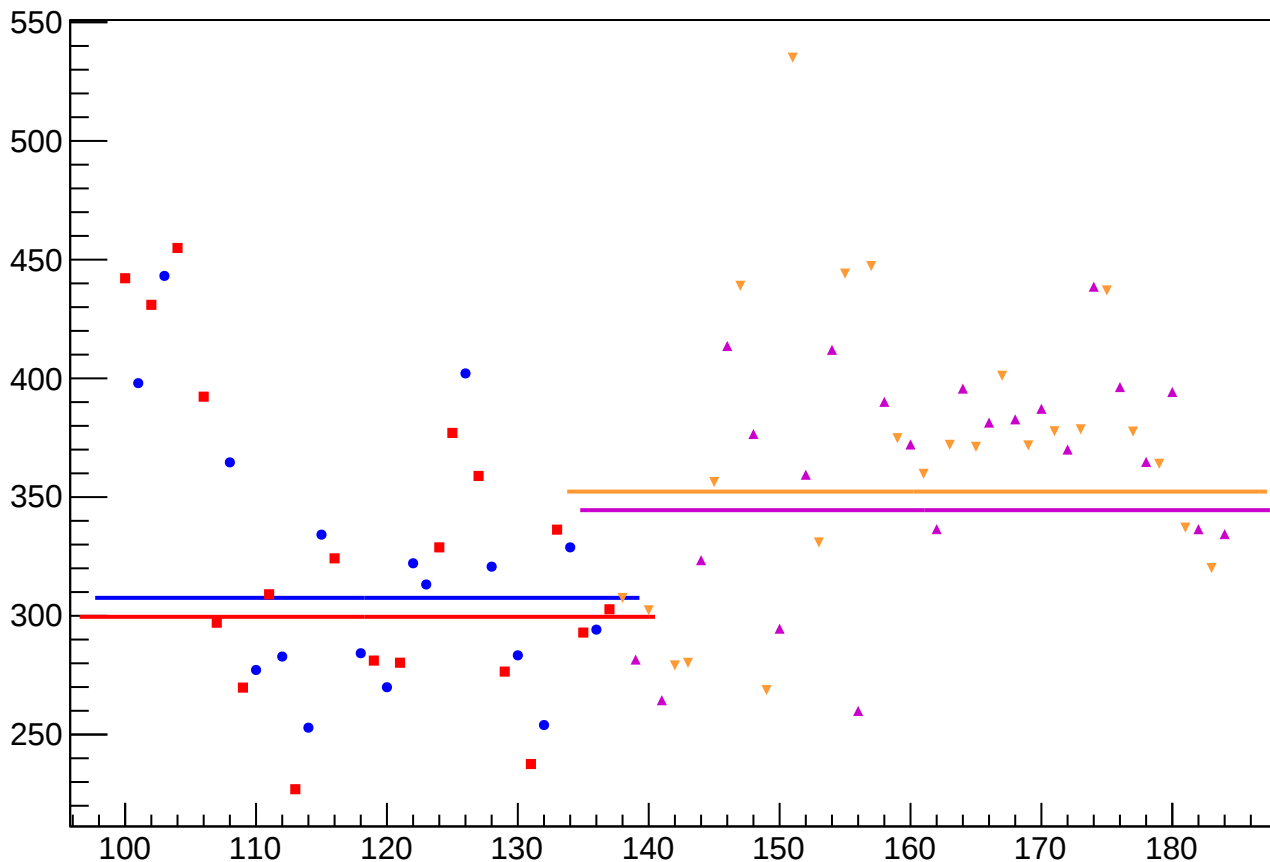
Left In: 106.116 ± 84.393 χ^2/NDF : 390.3/22

+ sign 536.048 ± 69.322 χ^2/NDF : 850.1/40

All: 450.538 ± 48.583 χ^2/NDF : 1536.1/82

- sign 367.994 ± 68.109 χ^2/NDF : 682.9/41

asym_bpm0l02WS_rms vs Slug



Right In: 307.566 $\pm$ 0.086 χ^2 /NDF: 321522.0/16

Left Out: 352.322 $\pm$ 0.060 χ^2 /NDF: 904180.9/23

Right Out: 299.577 $\pm$ 0.082 χ^2 /NDF: 493549.3/18

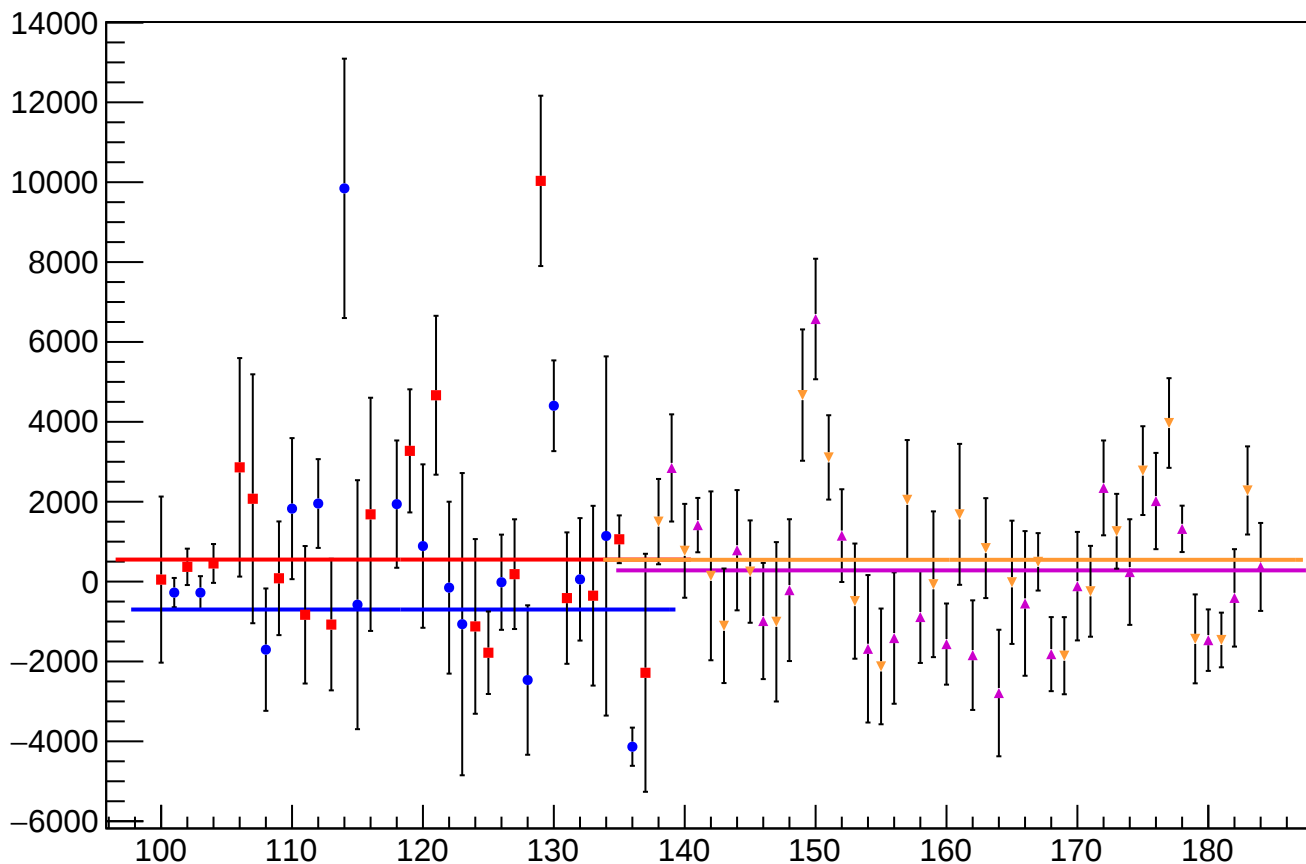
Left In: 344.491 $\pm$ 0.060 χ^2 /NDF: 768885.4/22

+ sign 337.768 $\pm$ 0.049 χ^2 /NDF: 1408644.4/40

All: 333.220 $\pm$ 0.034 χ^2 /NDF: 2885519.2/82

- sign 328.830 $\pm$ 0.048 χ^2 /NDF: 1459955.6/41

asym_bpm0l03WS_mean vs Slug



Right In: -699.406 ± 210.504 χ^2/NDF : 97.9/16

Left Out: 545.211 ± 236.989 χ^2/NDF : 55.5/23

Right Out: 551.457 ± 243.420 χ^2/NDF : 38.1/18

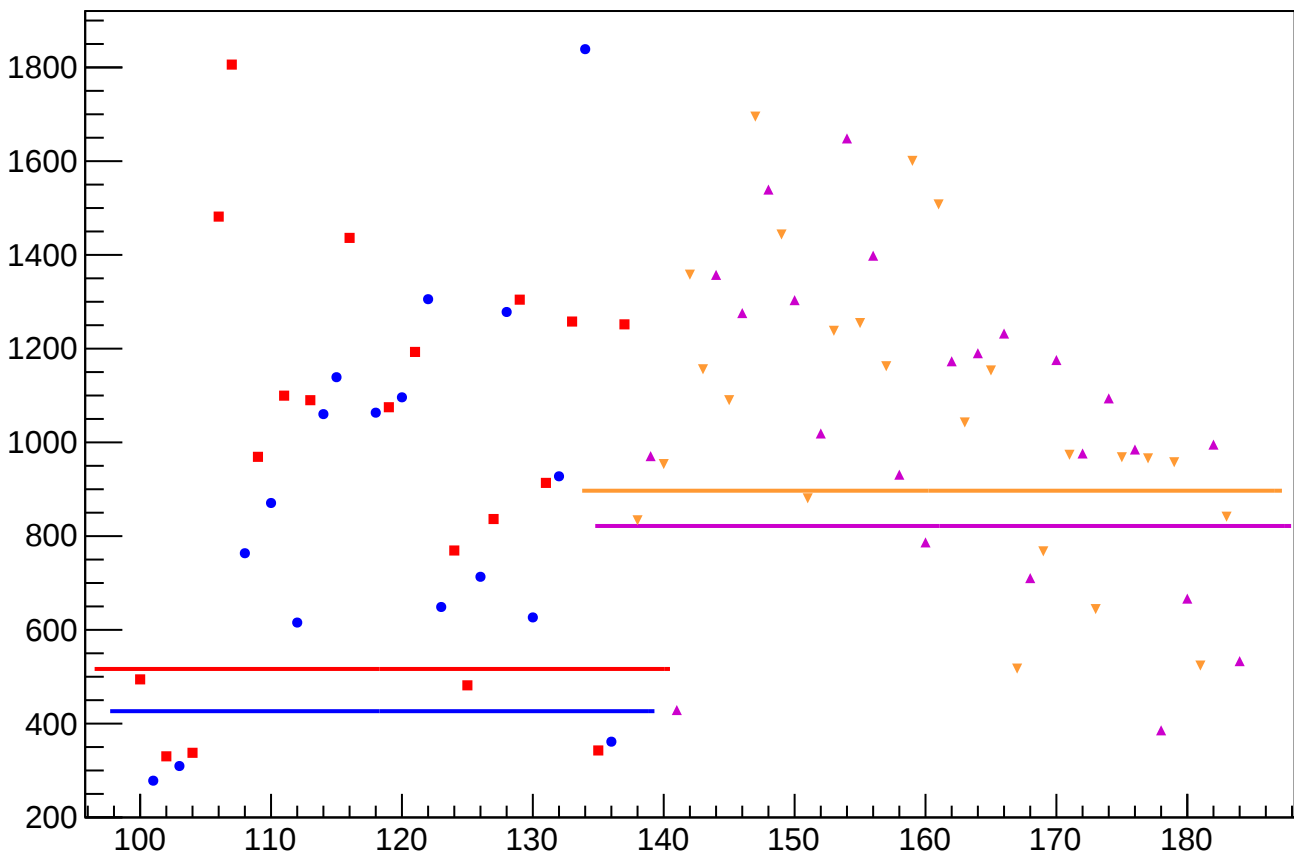
Left In: 280.692 ± 232.048 χ^2/NDF : 57.2/22

+ sign -150.505 ± 157.383 χ^2/NDF : 168.8/40

All: 111.360 ± 114.844 χ^2/NDF : 270.7/82

- sign 409.602 ± 167.959 χ^2/NDF : 96.0/41

asym_bpm0l03WS_rms vs Slug



Right In: 426.522 $\pm$ 0.149 χ^2 /NDF: 2863074.2/16

Left Out: 896.909 $\pm$ 0.168 χ^2 /NDF:3043560.0/23

Right Out: 516.598 $\pm$ 0.172 χ^2 /NDF: 3598022.9/18

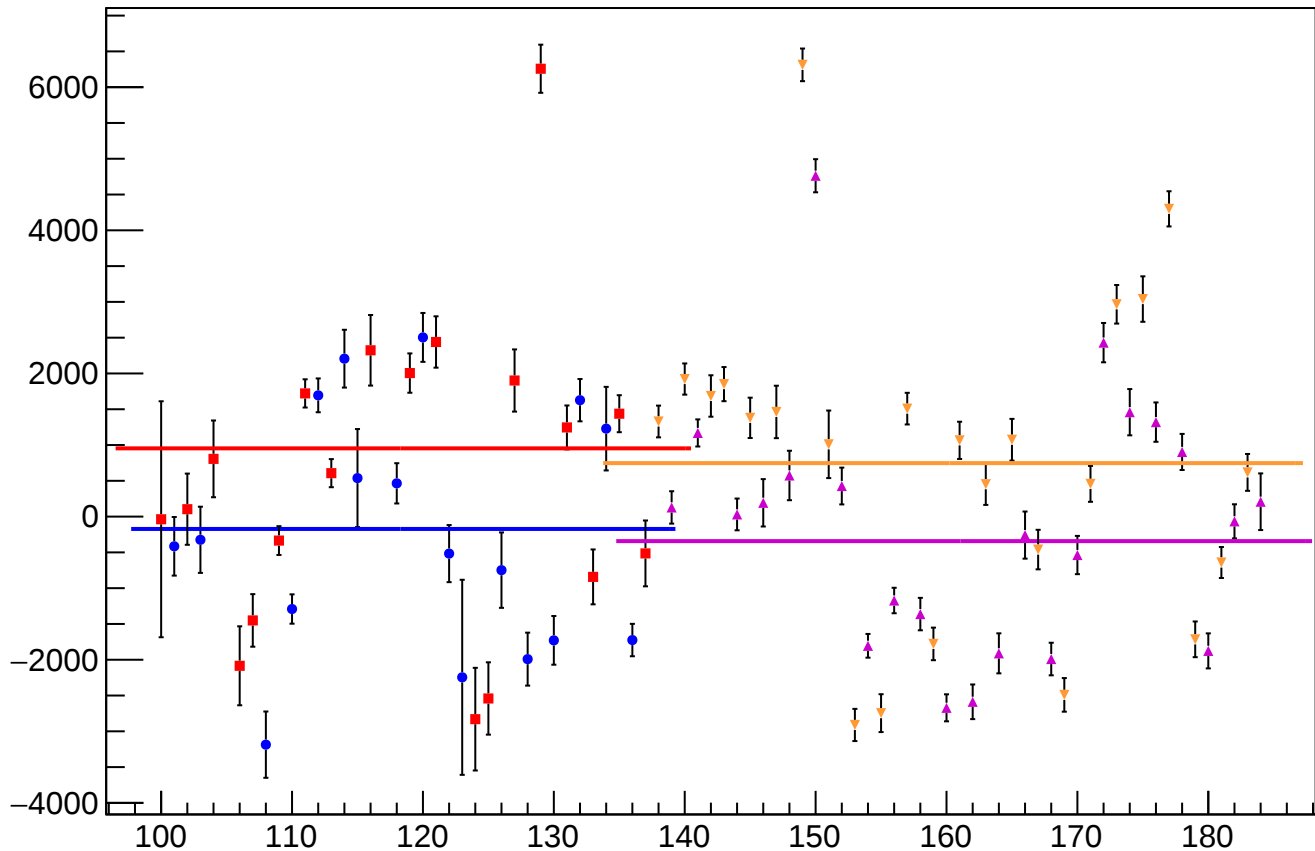
Left In: 821.657 $\pm$ 0.164 χ^2 /NDF:4443094.2/22

+ sign 633.972 $\pm$ 0.111 χ^2 /NDF: 10310969.4/40

All: 653.818 $\pm$ 0.081 χ^2 /NDF: 20065760.7/82

- sign 676.420 $\pm$ 0.119 χ^2 /NDF: 9686771.1/41

asym_bpm0l04WS_mean vs Slug



Right In: -172.521 ± 82.544 χ^2/NDF : 376.5/16

Left Out: 747.285 ± 52.209 χ^2/NDF : 1928.7/23

Right Out: 953.457 ± 75.104 χ^2/NDF : 541.2/18

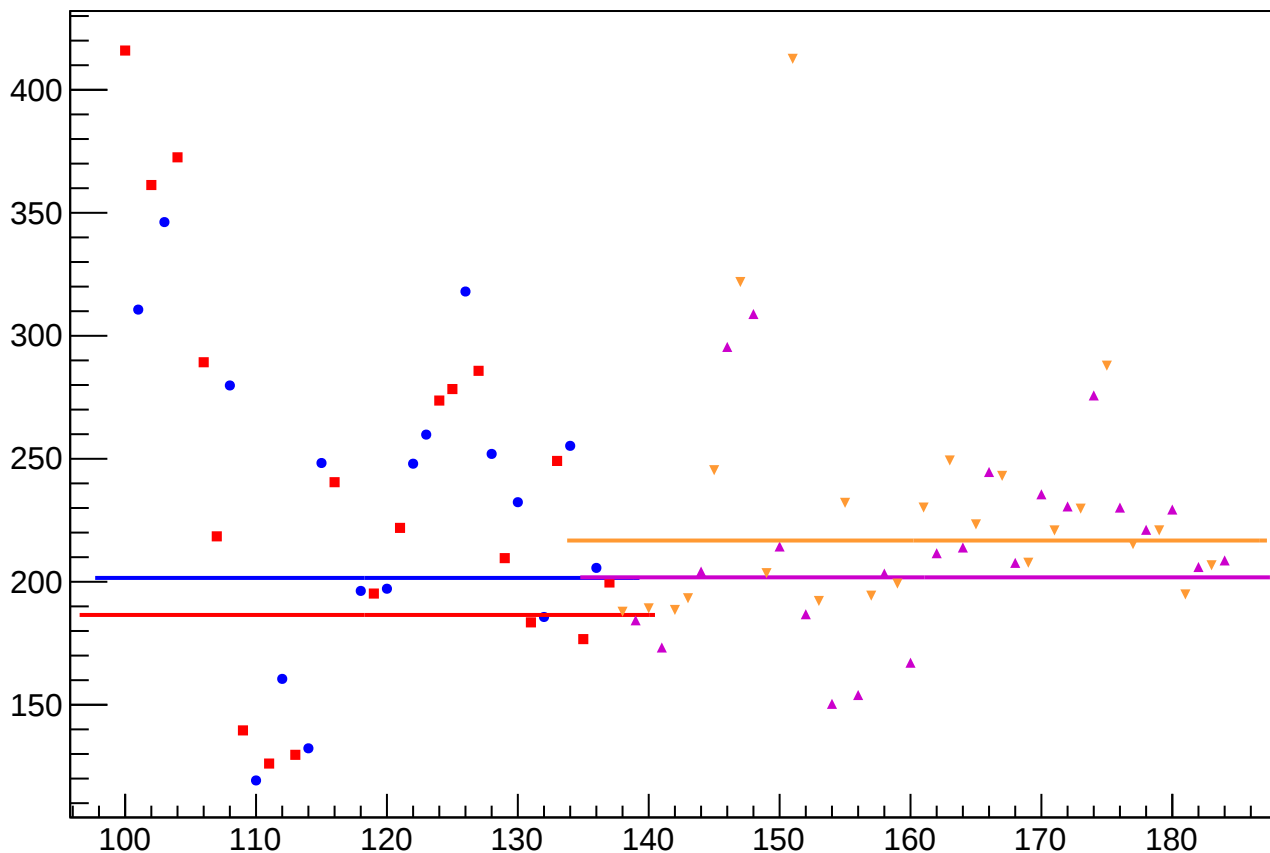
Left In: -342.465 ± 50.044 χ^2/NDF : 1254.9/22

+ sign 484.460 ± 44.124 χ^2/NDF : 2393.9/40

All: 257.864 ± 30.286 χ^2/NDF : 4446.1/82

- sign 56.006 ± 41.646 χ^2/NDF : 2002.3/41

asym_bpm0l04WS_rms vs Slug



Right In: 201.572 $\pm$ 0.058 χ^2 /NDF: 1052330.1/16

Left Out: 216.774 $\pm$ 0.037 χ^2 /NDF:885966.3/23

Right Out: 186.520 $\pm$ 0.053 χ^2 /NDF: 1388400.1/18

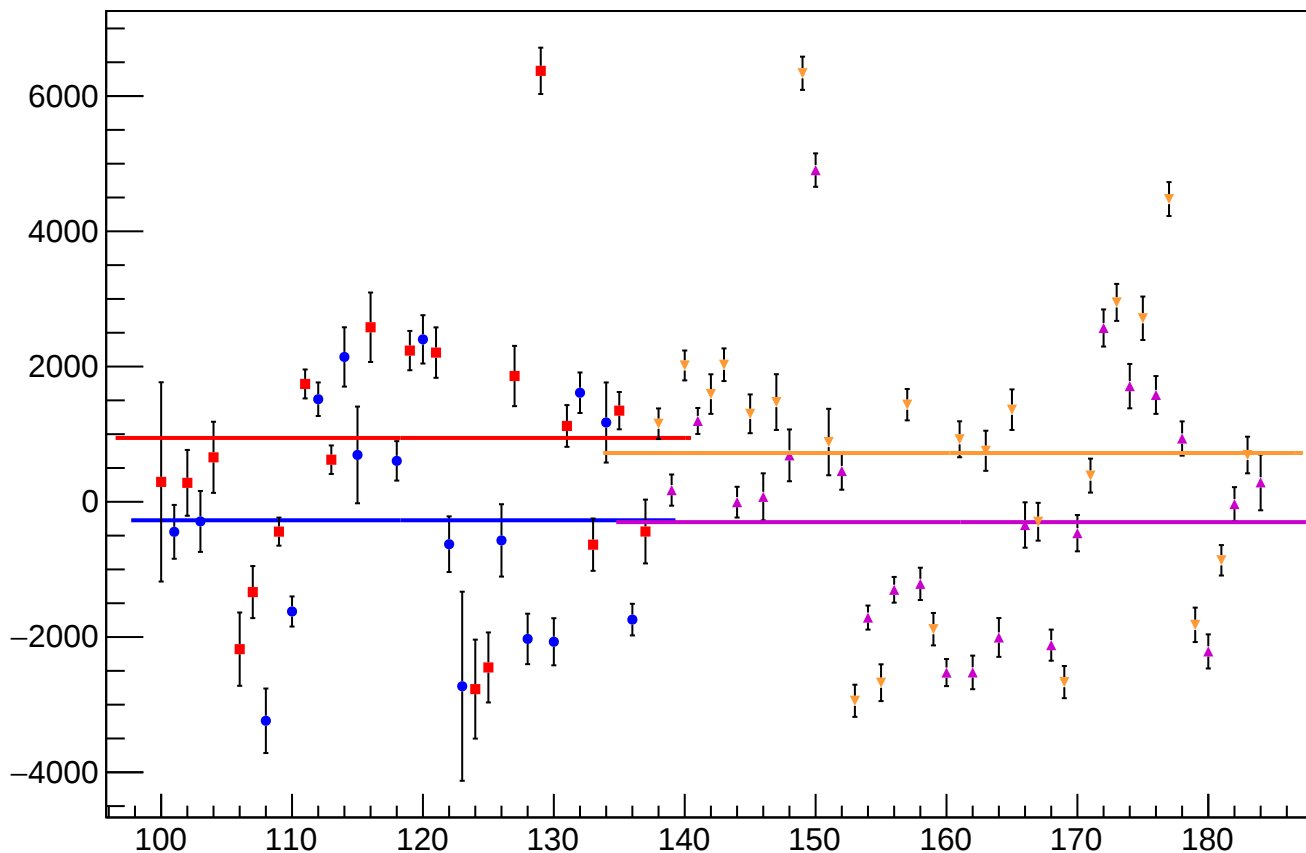
Left In: 201.805 $\pm$ 0.035 χ^2 /NDF:1087243.4/22

+ sign 212.430 $\pm$ 0.031 χ^2 /NDF: 1986748.8/40

All: 204.325 $\pm$ 0.021 χ^2 /NDF: 4647353.0/82

- sign 197.105 $\pm$ 0.029 χ^2 /NDF: 2533014.4/41

asym_bpm0l05WS_mean vs Slug



Right In: -273.296 ± 85.630 χ^2/NDF : 362.8/16

Left Out: 721.687 ± 53.809 χ^2/NDF : 1828.2/23

Right Out: 944.335 ± 78.399 χ^2/NDF : 524.4/18

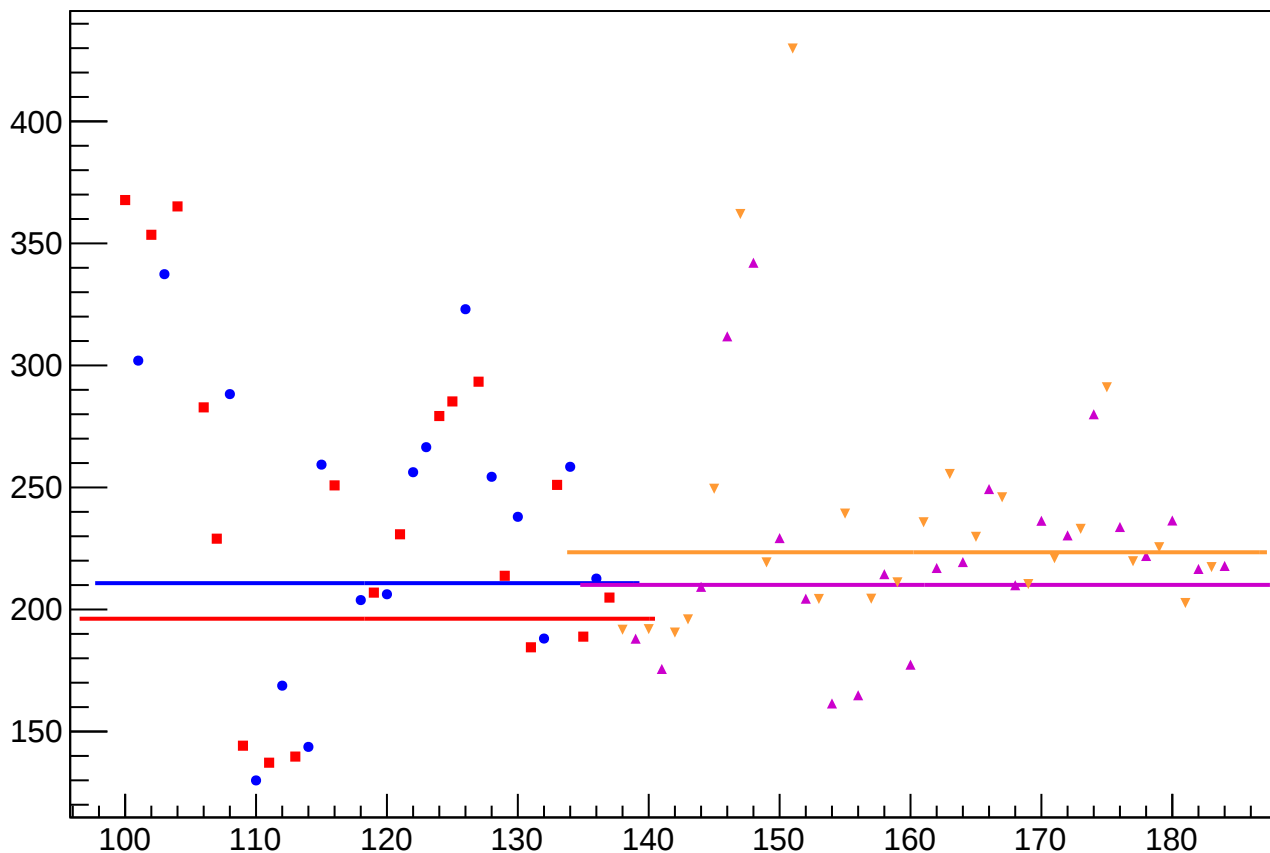
Left In: -300.516 ± 51.984 χ^2/NDF : 1208.6/22

+ sign 440.015 ± 45.561 χ^2/NDF : 2287.8/40

All: 250.776 ± 31.396 χ^2/NDF : 4228.8/82

- sign 79.653 ± 43.325 χ^2/NDF : 1908.1/41

asym_bpm0l05WS_rms vs Slug



Right In: 210.791+/-0.061 χ^2/NDF : 873120.0/16

Left Out: 223.446+/-0.038 χ^2/NDF : 923143.1/23

Right Out: 196.216+/-0.055 χ^2/NDF : 1201600.7/18

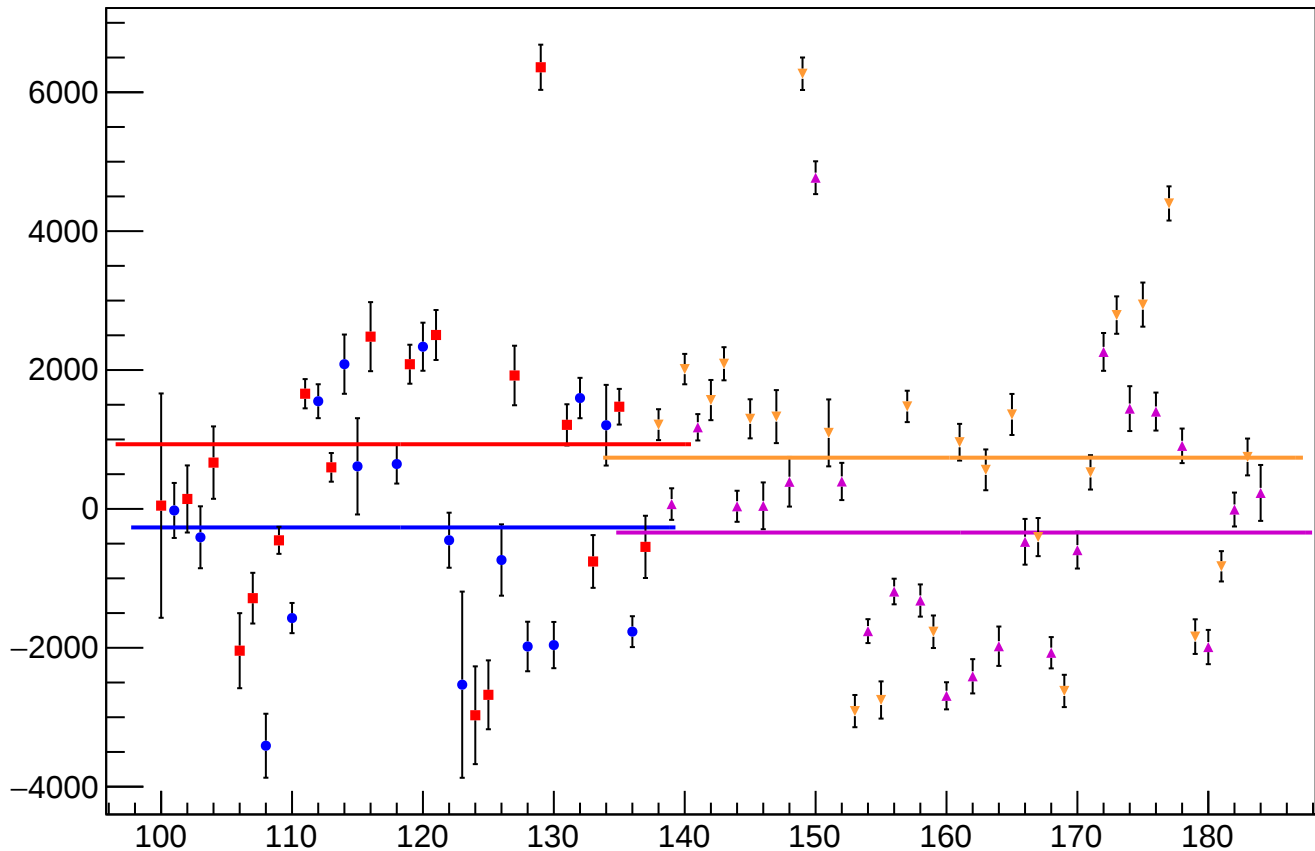
Left In: 210.080+/-0.037 χ^2/NDF : 1015274.5/22

+ sign 219.864+/-0.032 χ^2/NDF : 1827580.2/40

All: 212.503+/-0.022 χ^2/NDF : 4187318.9/82

- sign 205.846+/-0.031 χ^2/NDF : 2260317.9/41

asym_bpm0l06WS_mean vs Slug



Right In: -266.674 ± 82.997 $\chi^2/\text{NDF}: 383.4/16$

Left Out: 737.837 ± 52.715 $\chi^2/\text{NDF}: 1903.9/23$

Right Out: 931.196 ± 75.469 $\chi^2/\text{NDF}: 584.4/18$

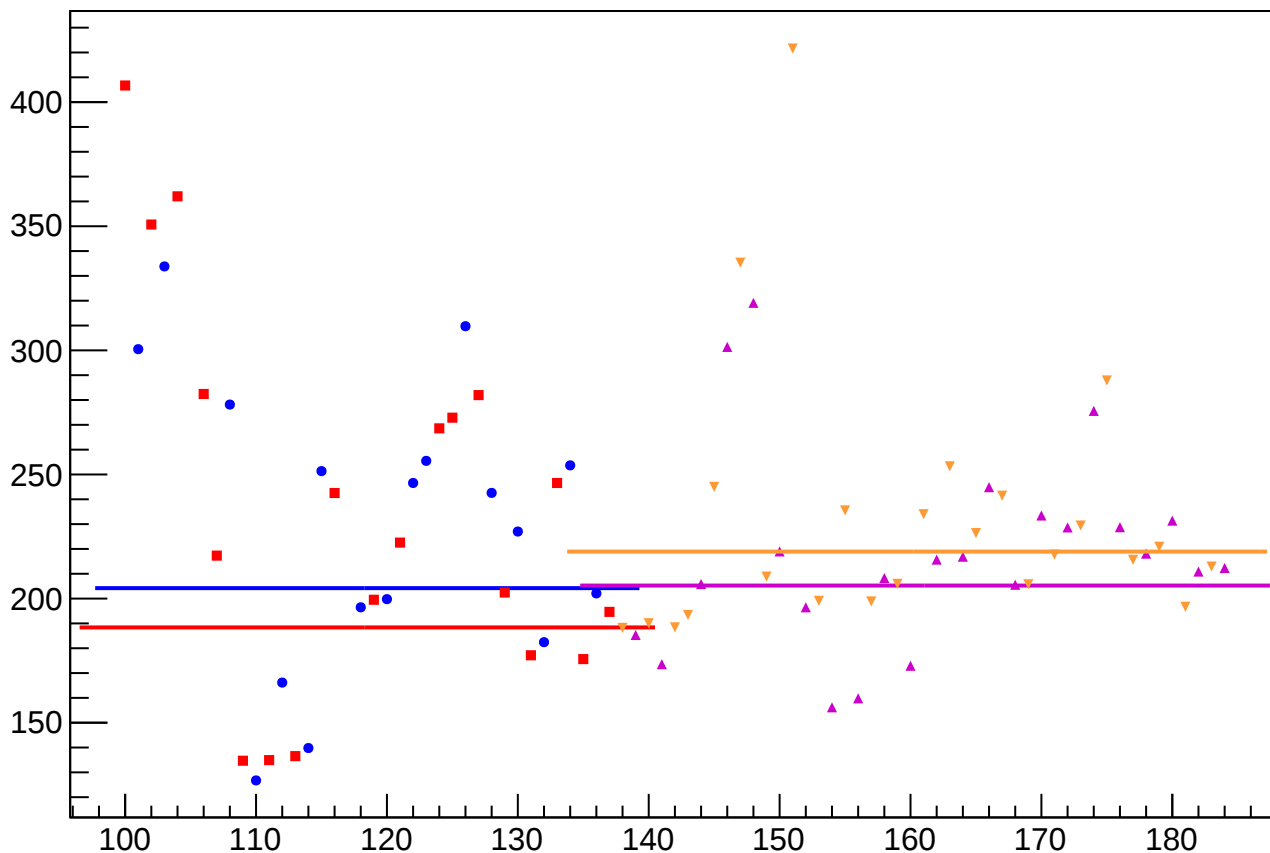
Left In: -340.502 ± 50.802 $\chi^2/\text{NDF}: 1201.8/22$

+ sign 449.091 ± 44.498 $\chi^2/\text{NDF}: 2391.7/40$

All: 241.899 ± 30.599 $\chi^2/\text{NDF}: 4414.5/82$

- sign 56.055 ± 42.144 $\chi^2/\text{NDF}: 1981.6/41$

asym_bpm0l06WS_rms vs Slug



Right In: 204.211+/-0.059 χ^2/NDF : 866108.6/16

Left Out: 218.933+/-0.037 χ^2/NDF : 897233.4/23

Right Out: 188.384+/-0.053 χ^2/NDF : 1247760.0/18

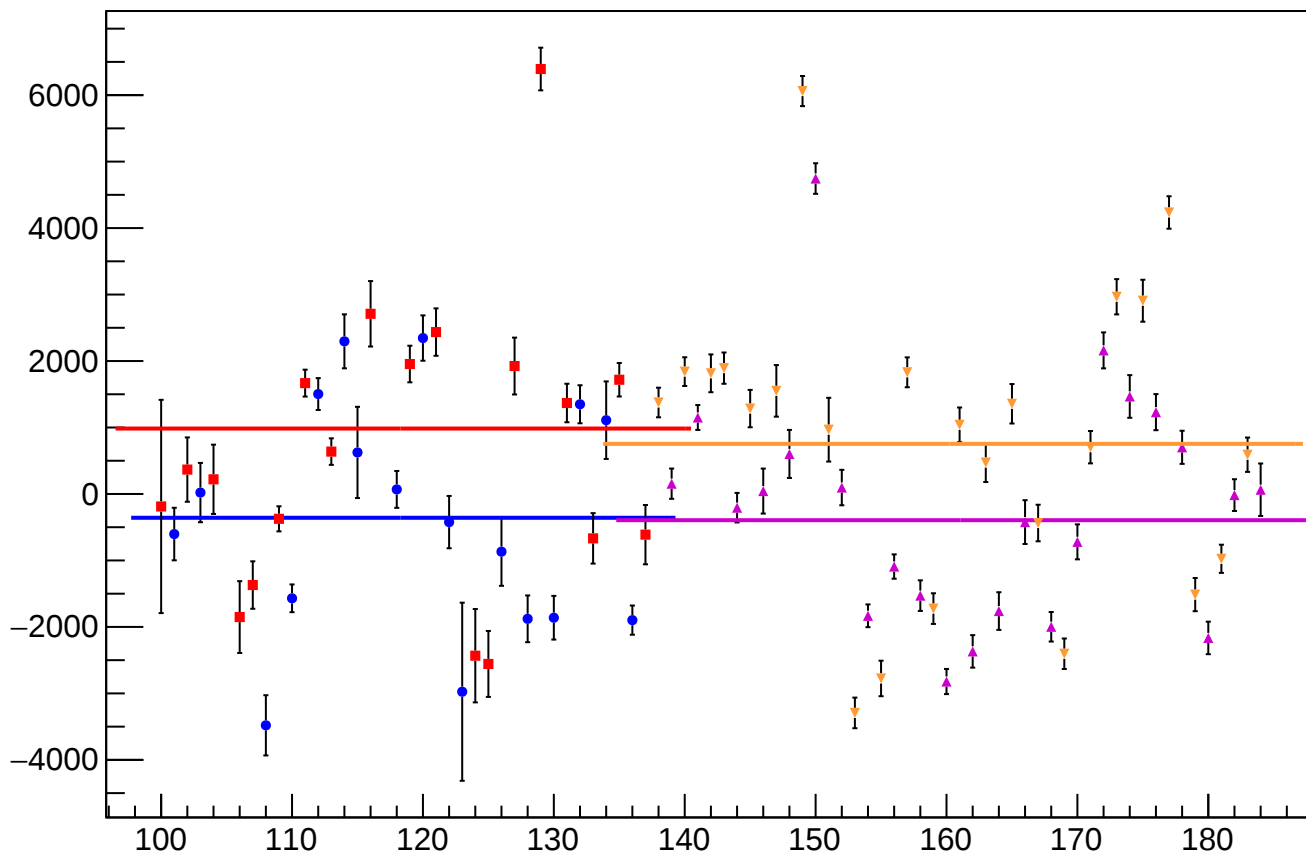
Left In: 205.249+/-0.036 χ^2/NDF : 997168.8/22

+ sign 214.701+/-0.031 χ^2/NDF : 1808179.3/40

All: 206.946+/-0.022 χ^2/NDF : 4237071.1/82

- sign 199.990+/-0.030 χ^2/NDF : 2313657.4/41

asym_bpm0l07WS_mean vs Slug



Right In: -357.821 ± 81.517 $\chi^2/\text{NDF}: 388.2/16$

Left Out: 754.119 ± 52.156 $\chi^2/\text{NDF}: 1931.9/23$

Right Out: 984.342 ± 73.851 $\chi^2/\text{NDF}: 588.2/18$

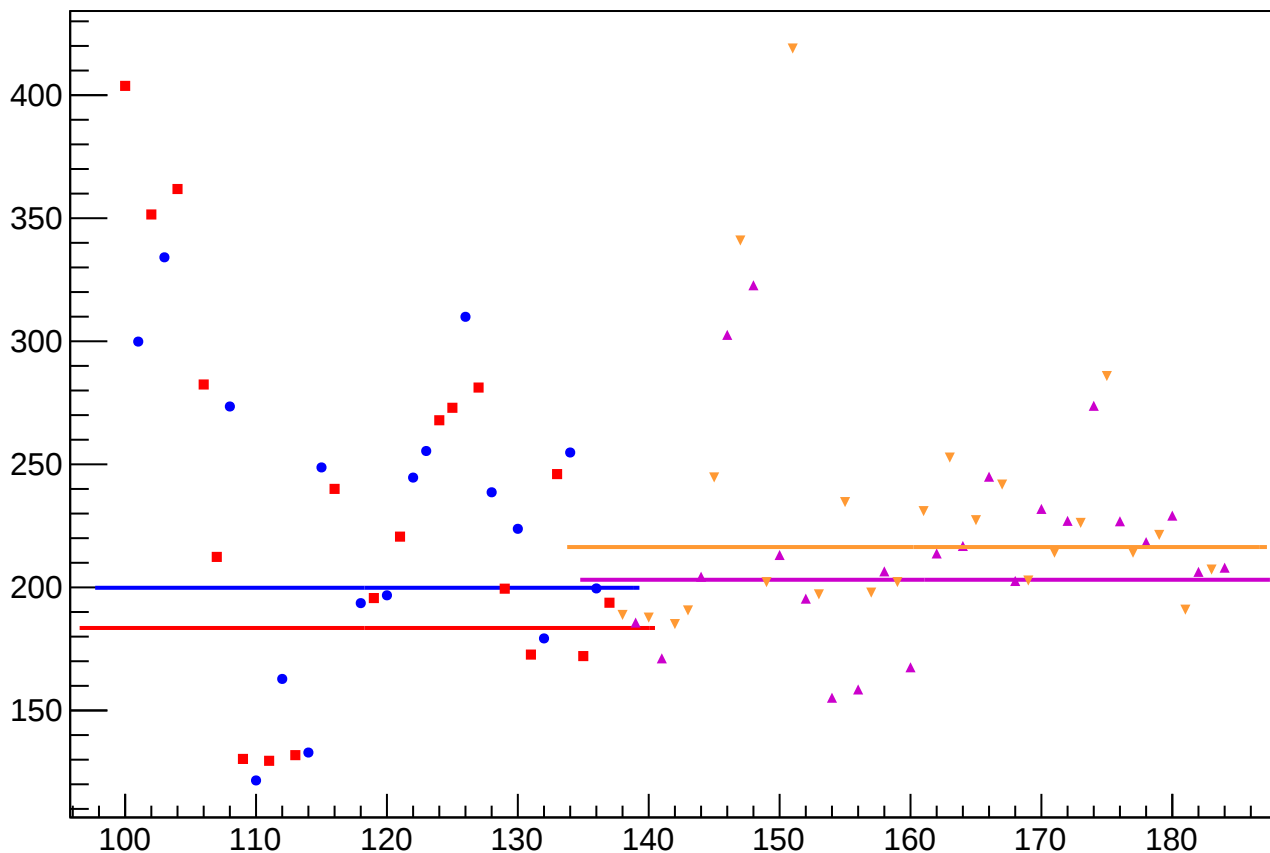
Left In: -394.379 ± 50.311 $\chi^2/\text{NDF}: 1236.4/22$

+ sign 431.147 ± 43.933 $\chi^2/\text{NDF}: 2452.1/40$

All: 226.220 ± 30.199 $\chi^2/\text{NDF}: 4556.1/82$

- sign 42.660 ± 41.579 $\chi^2/\text{NDF}: 2062.7/41$

asym_bpm0l07WS_rms vs Slug



Right In: 199.847+/-0.058 χ^2/NDF : 940786.8/16

Left Out: 216.394+/-0.037 χ^2/NDF : 945732.8/23

Right Out: 183.513+/-0.052 χ^2/NDF : 1345883.7/18

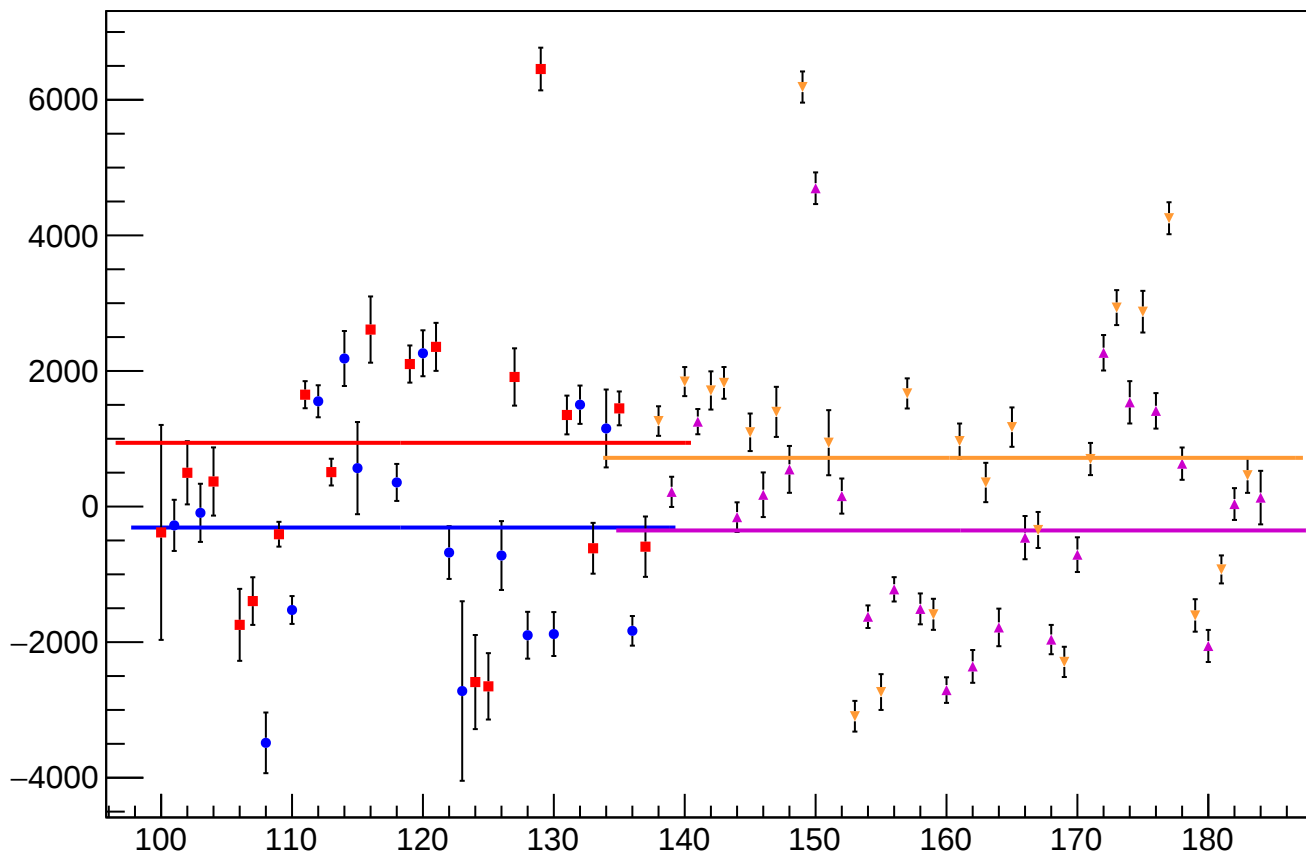
Left In: 203.101+/-0.036 χ^2/NDF : 1038013.0/22

+ sign 211.588+/-0.031 χ^2/NDF : 1944989.3/40

All: 203.836+/-0.021 χ^2/NDF : 4543030.4/82

- sign 196.892+/-0.029 χ^2/NDF : 2479992.8/41

asym_bpm0l08WS_mean vs Slug



Right In: -309.418 ± 80.357 χ^2/NDF : 396.4/16

Left Out: 718.588 ± 51.279 χ^2/NDF : 1922.9/23

Right Out: 940.123 ± 72.716 χ^2/NDF : 616.8/18

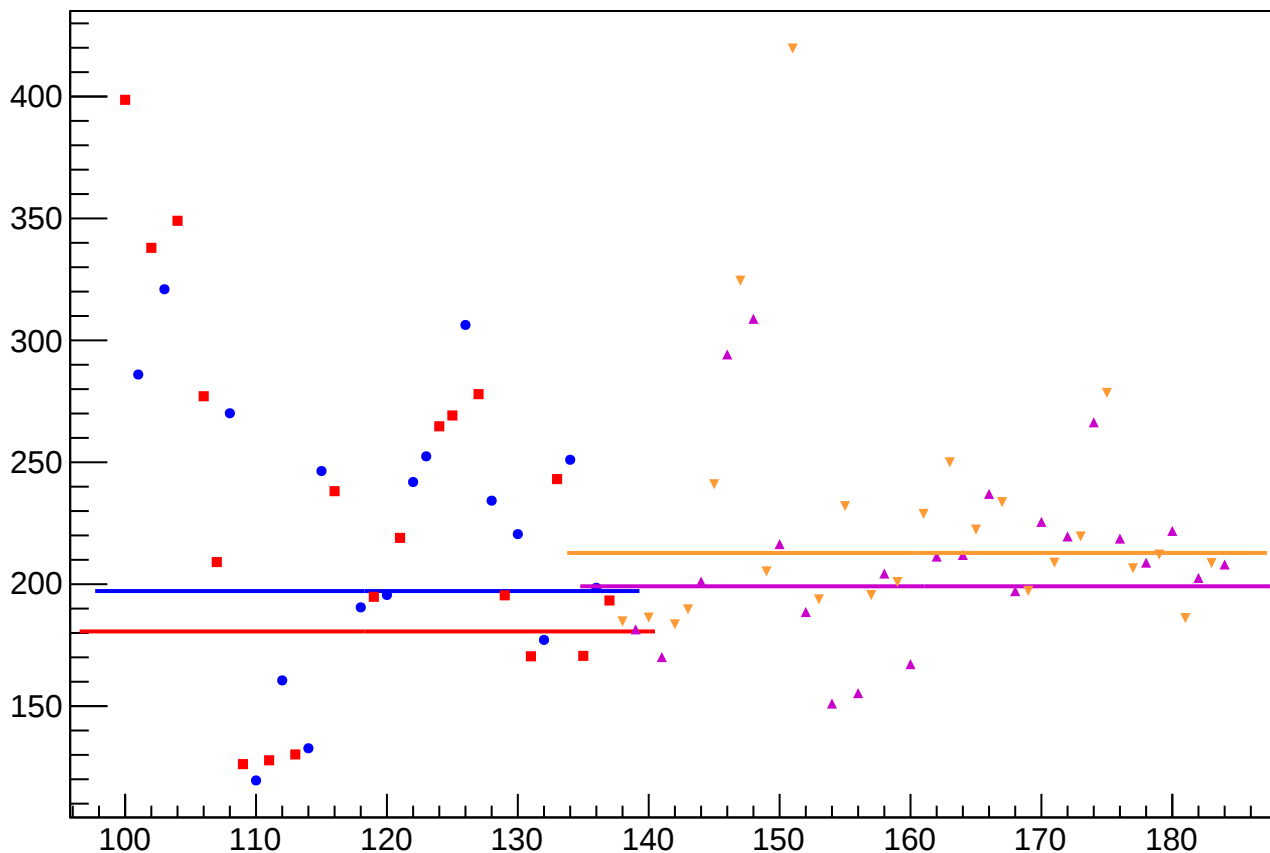
Left In: -352.432 ± 49.316 χ^2/NDF : 1233.1/22

+ sign 421.104 ± 43.227 χ^2/NDF : 2435.6/40

All: 227.438 ± 29.677 χ^2/NDF : 4539.9/82

- sign 54.784 ± 40.815 χ^2/NDF : 2066.3/41

asym_bpm0l08WS_rms vs Slug



Right In: 197.185 $\pm$ 0.057 χ^2 /NDF: 909929.0/16

Left Out: 212.820 $\pm$ 0.036 χ^2 /NDF: 917045.9/23

Right Out: 180.624 $\pm$ 0.051 χ^2 /NDF: 1341837.4/18

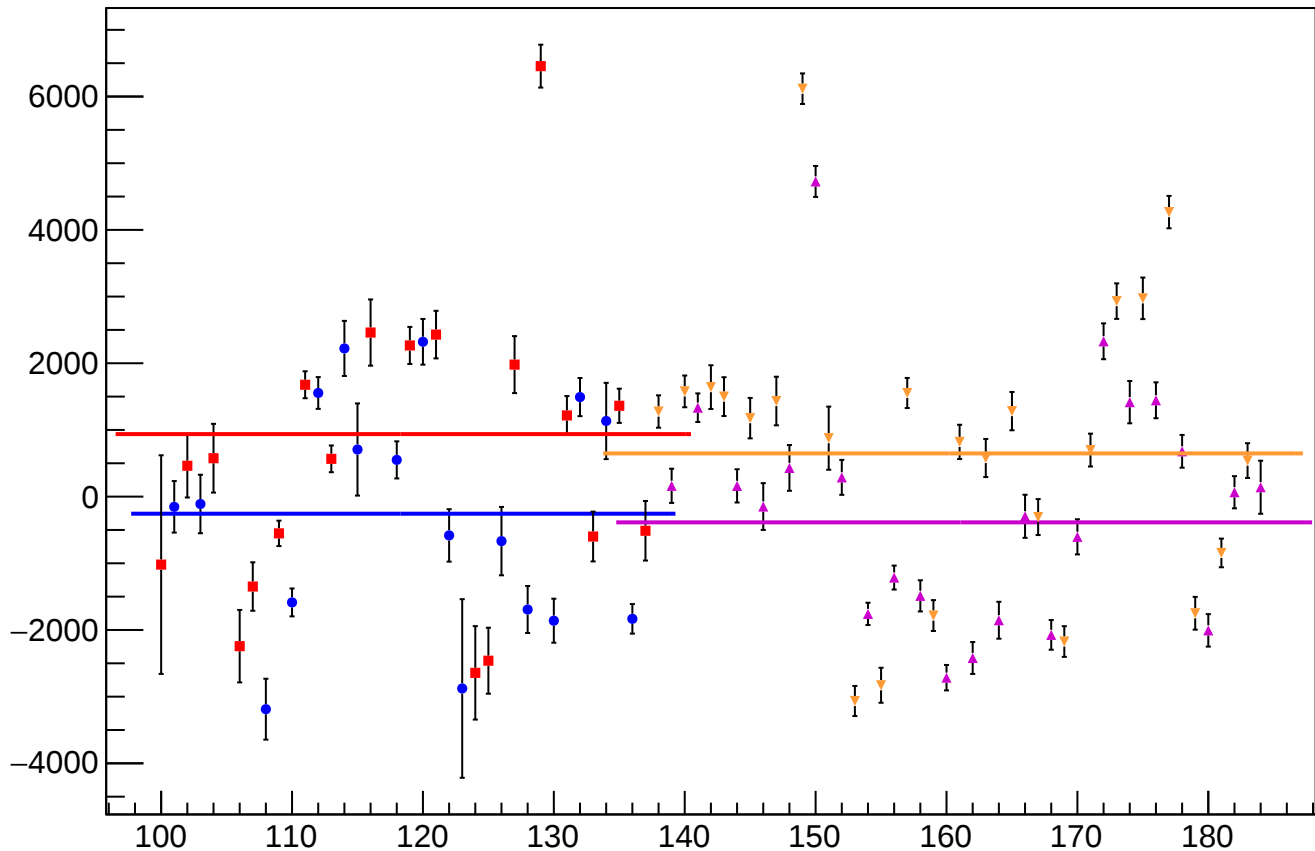
Left In: 199.142 $\pm$ 0.035 χ^2 /NDF: 985932.4/22

+ sign 208.296 $\pm$ 0.031 χ^2 /NDF: 1880780.8/40

All: 200.372 $\pm$ 0.021 χ^2 /NDF: 4424496.8/82

- sign 193.308 $\pm$ 0.029 χ^2 /NDF: 2416608.2/41

asym_bpm0l09WS_mean vs Slug



Right In: -256.429 ± 81.594 χ^2/NDF : 381.8/16

Left Out: 648.005 ± 53.238 χ^2/NDF : 1851.9/23

Right Out: 937.482 ± 74.168 χ^2/NDF : 609.1/18

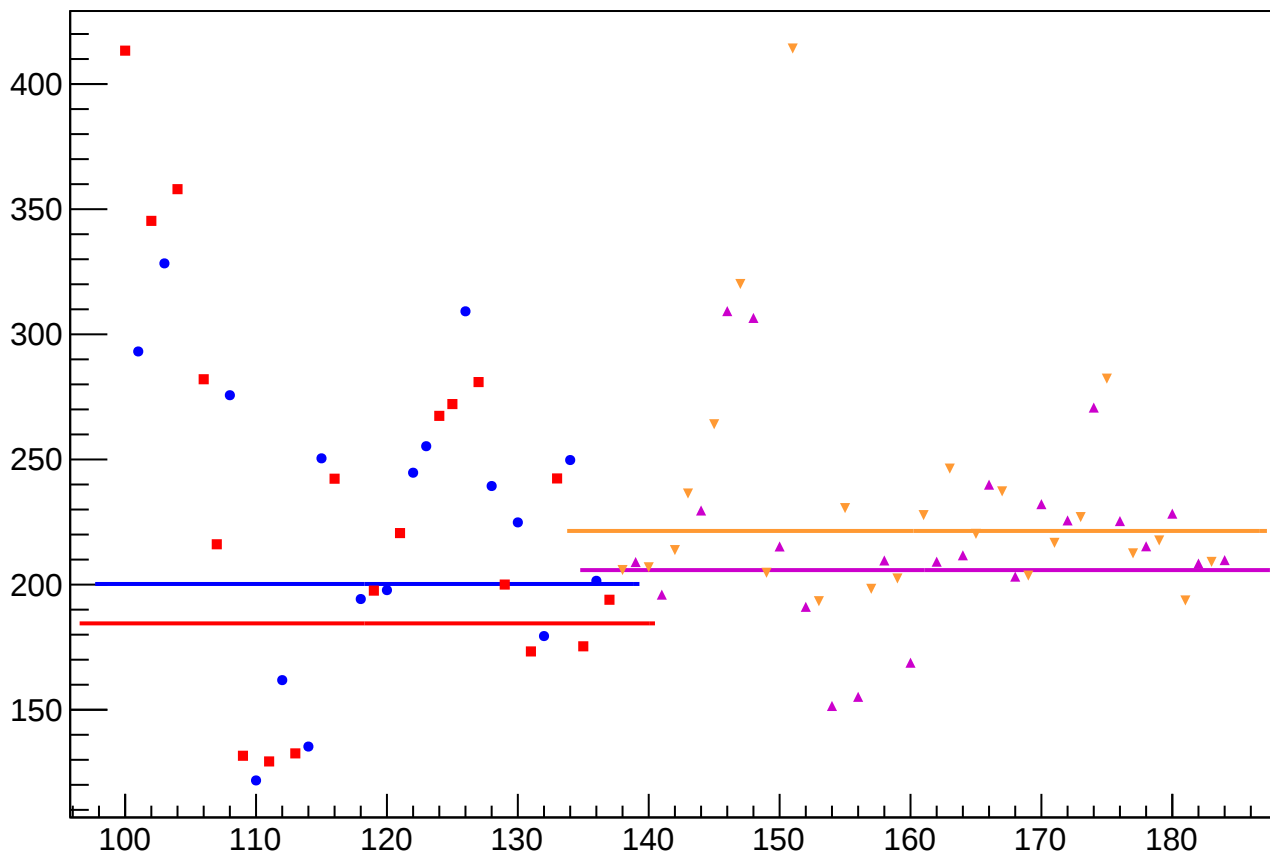
Left In: -386.248 ± 50.994 χ^2/NDF : 1238.0/22

+ sign 377.939 ± 44.586 χ^2/NDF : 2319.9/40

All: 198.245 ± 30.580 χ^2/NDF : 4414.0/82

- sign 38.642 ± 42.020 χ^2/NDF : 2063.4/41

asym_bpm0l09WS_rms vs Slug



Right In: 200.256 $\pm$ 0.058 χ^2 /NDF: 915910.1/16

Left Out: 221.446 $\pm$ 0.038 χ^2 /NDF: 772103.8/23

Right Out: 184.510 $\pm$ 0.052 χ^2 /NDF: 1314720.9/18

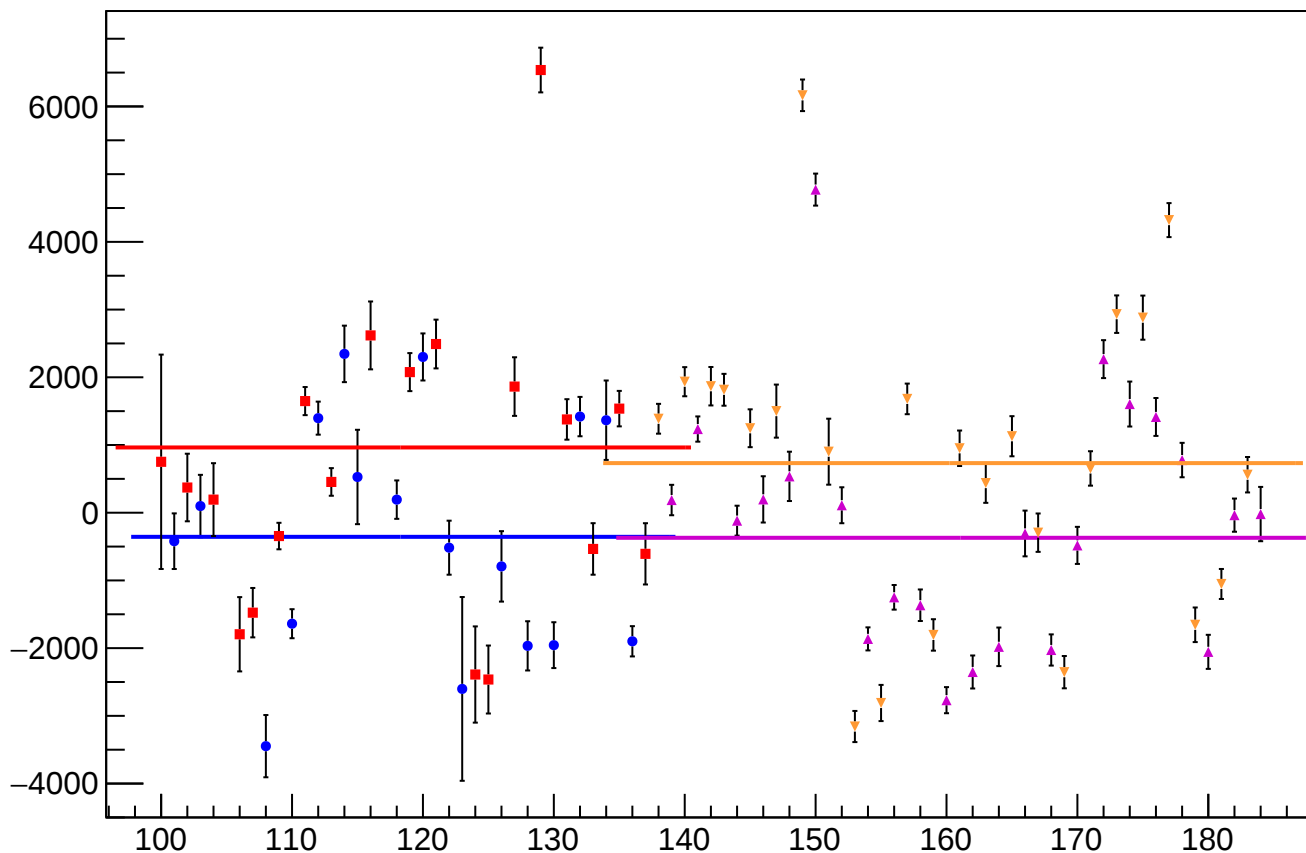
Left In: 205.803 $\pm$ 0.036 χ^2 /NDF: 994903.5/22

+ sign 215.118 $\pm$ 0.032 χ^2 /NDF: 1782623.1/40

All: 206.565 $\pm$ 0.022 χ^2 /NDF: 4343152.3/82

- sign 198.968 $\pm$ 0.030 χ^2 /NDF: 2421563.0/41

asym_bpm0l10WS_mean vs Slug



Right In: -356.124+/-83.321 χ^2/NDF : 378.6/16

Left Out: 732.633+/-52.887 χ^2/NDF :1873.8/23

Right Out: 963.743+/-75.713 χ^2/NDF : 572.4/18

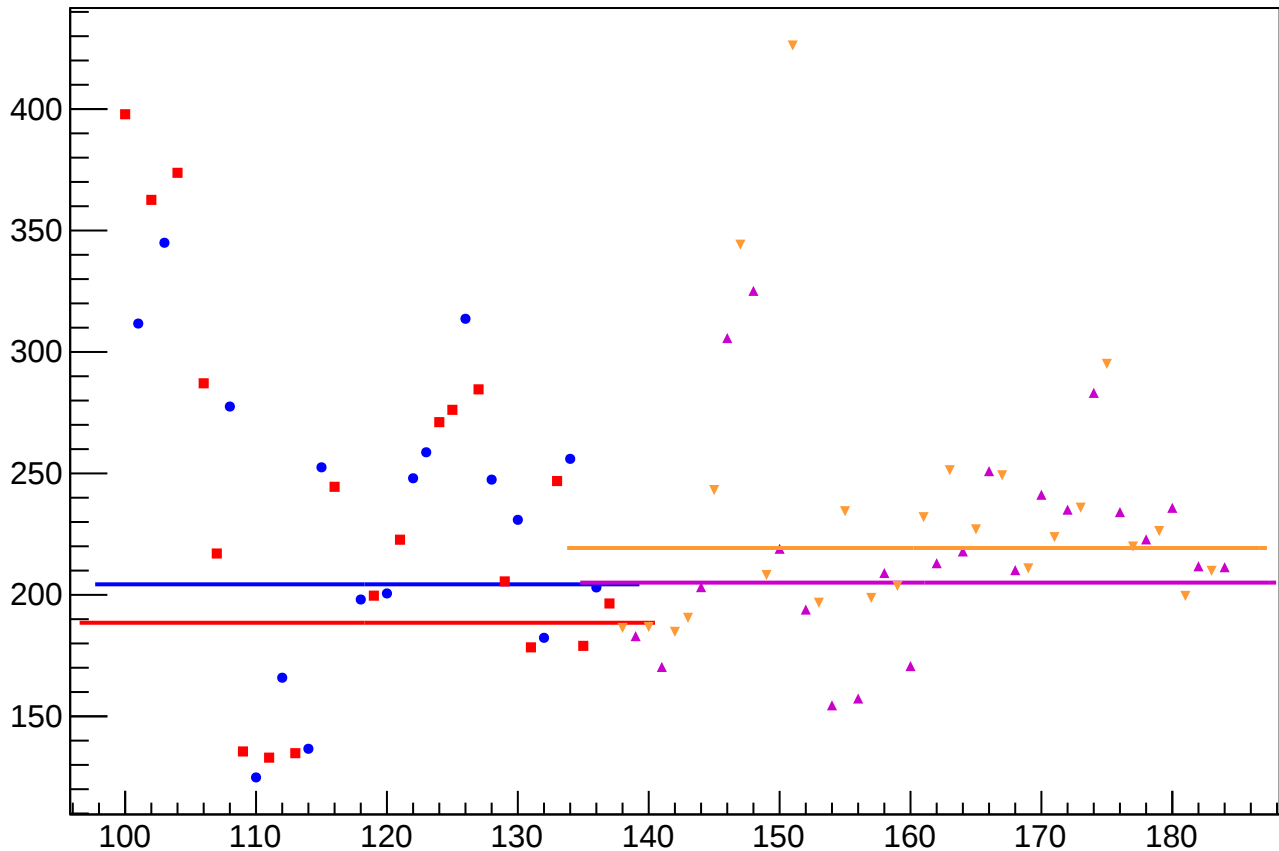
Left In: -370.408+/-50.884 χ^2/NDF :1223.2/22

+ sign 419.961+/-44.651 χ^2/NDF : 2374.1/40

All: 221.894+/-30.682 χ^2/NDF : 4420.8/82

- sign 44.702+/-42.233 χ^2/NDF : 2009.5/41

asym_bpm0l10WS_rms vs Slug



Right In: 204.343 $\pm$ 0.059 χ^2 /NDF: 944923.9/16

Left Out: 219.299 $\pm$ 0.037 χ^2 /NDF: 974771.5/23

Right Out: 188.523 $\pm$ 0.054 χ^2 /NDF: 1311109.8/18

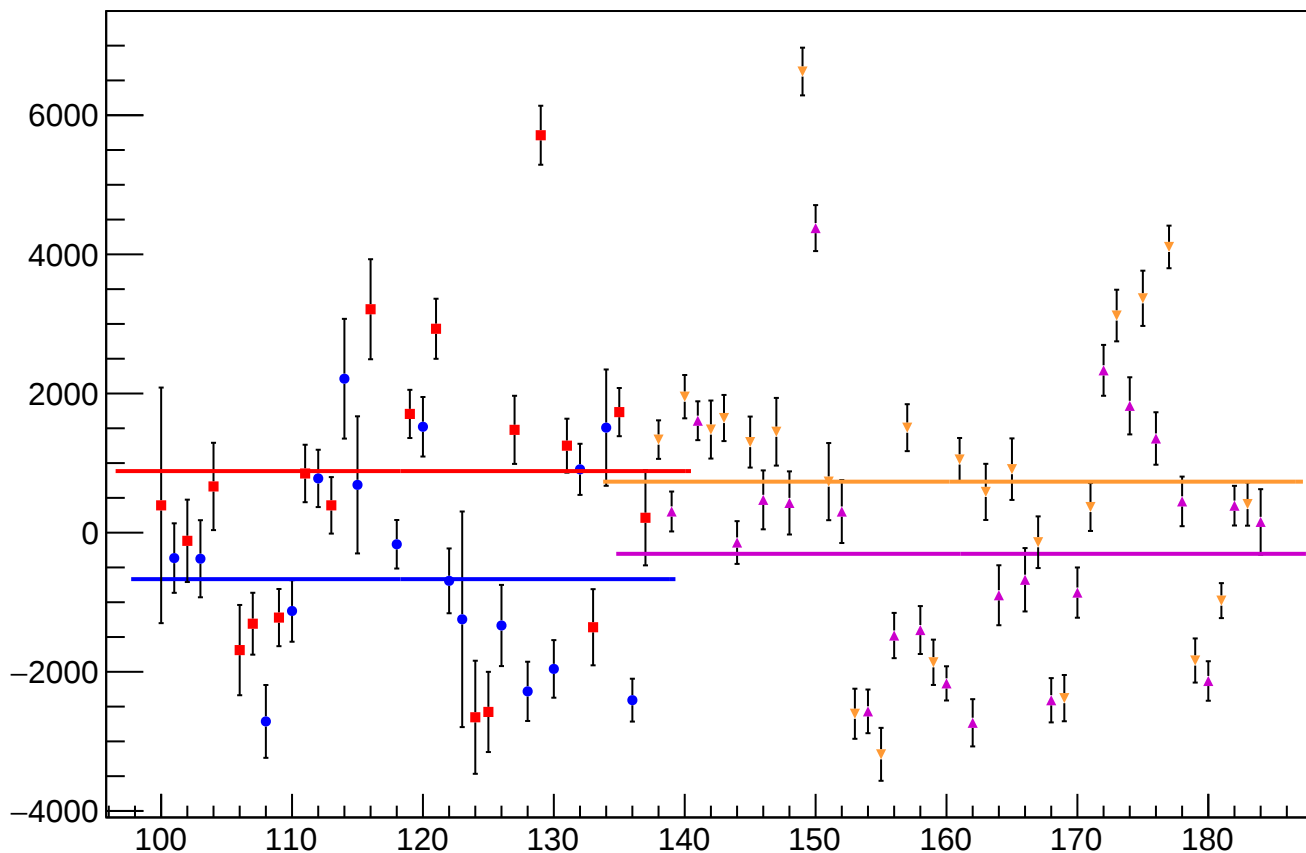
Left In: 205.046 $\pm$ 0.036 χ^2 /NDF: 1144197.1/22

+ sign 215.004 $\pm$ 0.032 χ^2 /NDF: 1965630.0/40

All: 207.035 $\pm$ 0.022 χ^2 /NDF: 4607248.4/82

- sign 199.905 $\pm$ 0.030 χ^2 /NDF: 2520921.6/41

asym_bpm0r03WS_mean vs Slug



Right In: -668.118 ± 114.189 $\chi^2/\text{NDF}: 153.3/16$

Left Out: 733.063 ± 70.483 $\chi^2/\text{NDF}: 1007.4/23$

Right Out: 884.858 ± 110.843 $\chi^2/\text{NDF}: 320.1/18$

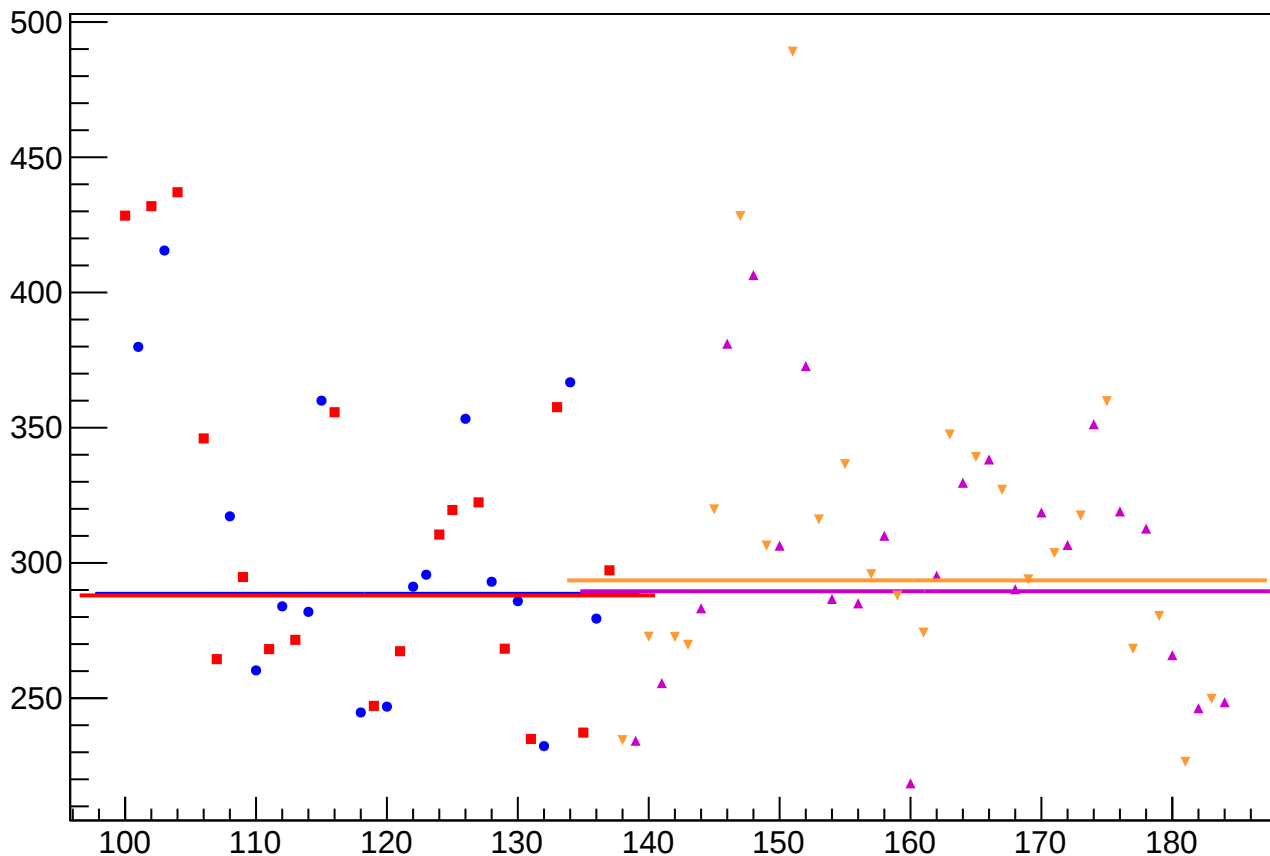
Left In: -304.161 ± 70.958 $\chi^2/\text{NDF}: 643.5/22$

+ sign 346.498 ± 59.978 $\chi^2/\text{NDF}: 1269.8/40$

All: 193.432 ± 42.334 $\chi^2/\text{NDF}: 2328.1/82$

- sign 41.469 ± 59.761 $\chi^2/\text{NDF}: 1045.3/41$

asym_bpm0r03WS_rms vs Slug



Right In: 288.577 $\pm$ 0.081 χ^2 /NDF: 338793.1/16

Left Out: 293.544 $\pm$ 0.050 χ^2 /NDF: 910305.4/23

Right Out: 287.995 $\pm$ 0.078 χ^2 /NDF: 459962.0/18

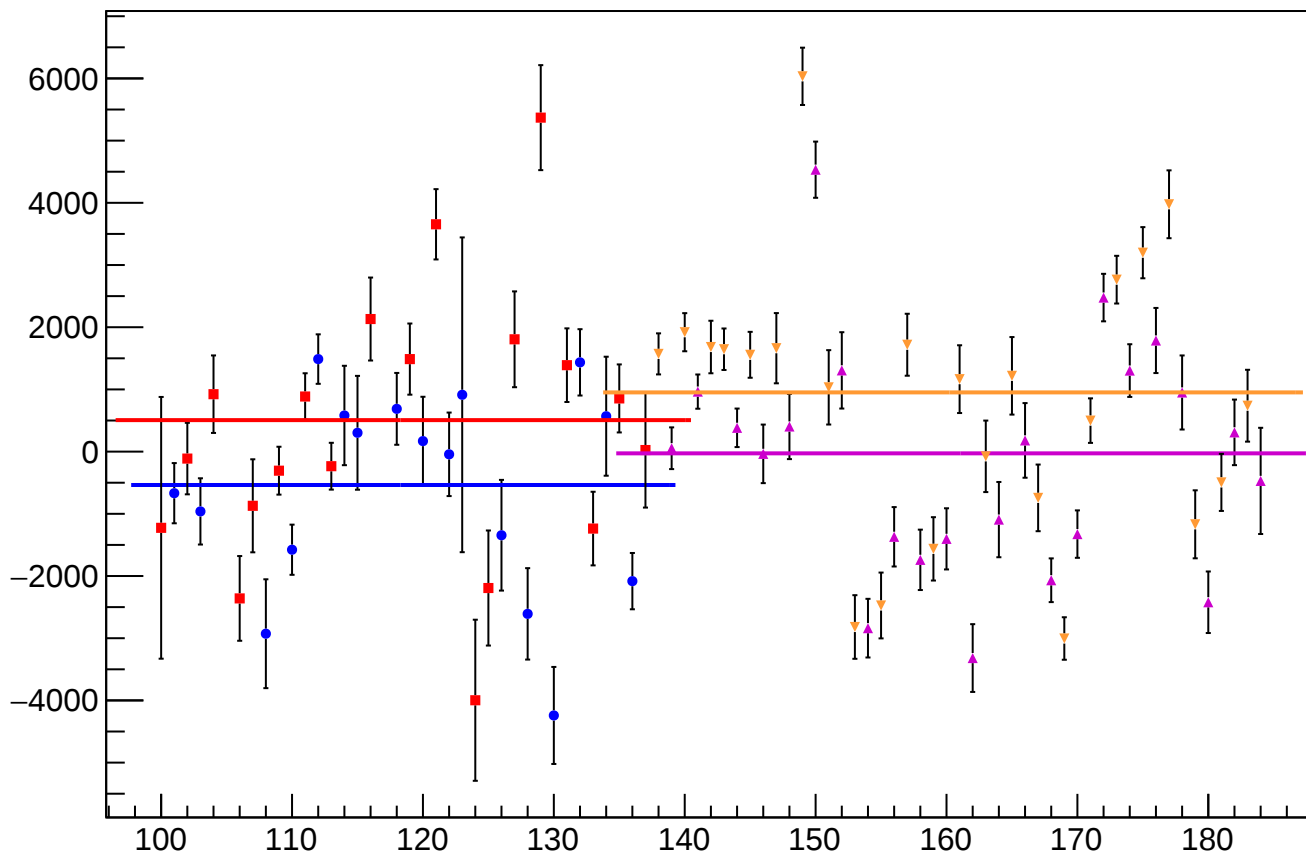
Left In: 289.522 $\pm$ 0.050 χ^2 /NDF: 777901.0/22

+ sign 292.174 $\pm$ 0.042 χ^2 /NDF: 1251838.9/40

All: 290.620 $\pm$ 0.030 χ^2 /NDF: 2492644.6/82

- sign 289.078 $\pm$ 0.042 χ^2 /NDF: 1238132.2/41

asym_bpm0r05WS_mean vs Slug



Right In: -536.568 ± 147.571 χ^2/NDF : 107.9/16

Left Out: 952.087 ± 89.915 χ^2/NDF : 527.2/23

Right Out: 506.373 ± 135.761 χ^2/NDF : 140.9/18

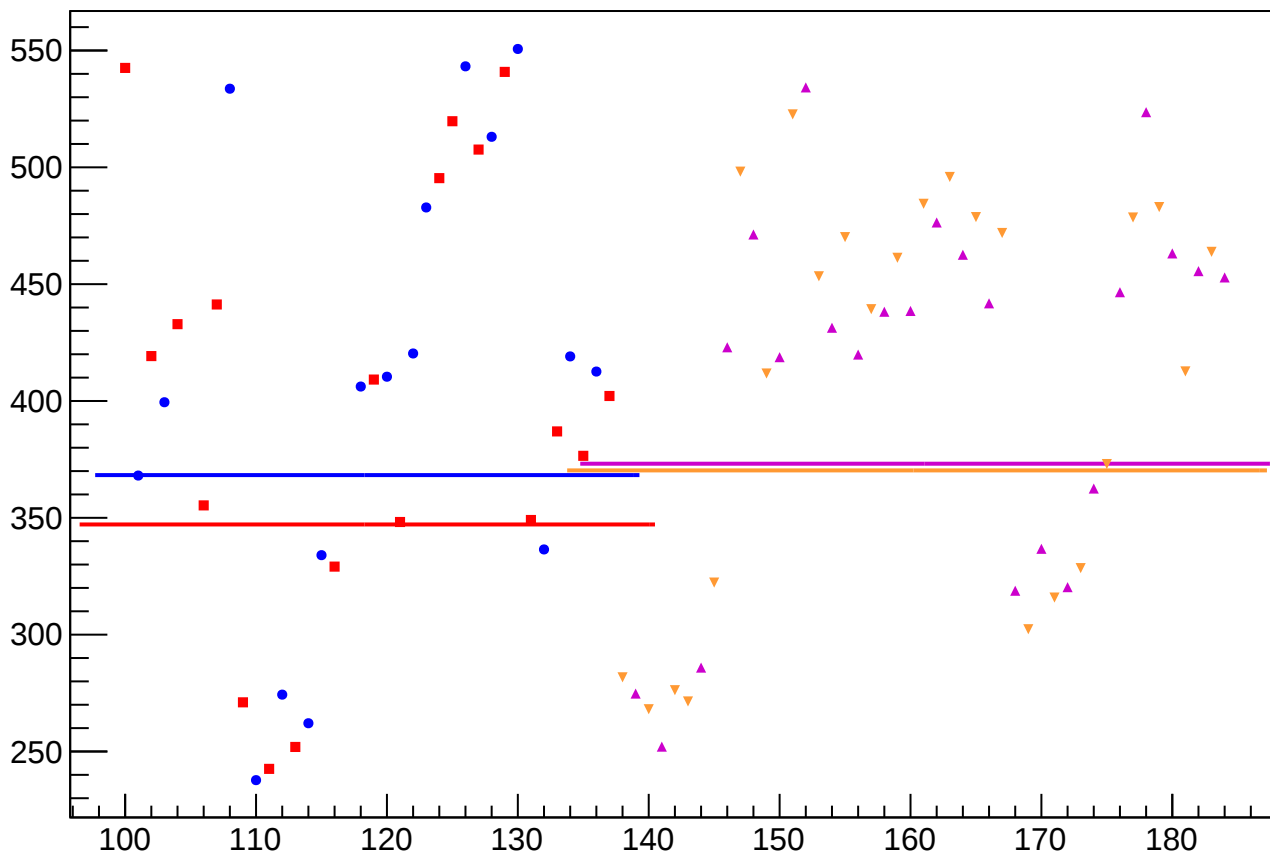
Left In: -27.763 ± 92.331 χ^2/NDF : 362.5/22

+ sign 549.052 ± 76.785 χ^2/NDF : 709.3/40

All: 343.941 ± 54.140 χ^2/NDF : 1237.5/82

- sign 141.161 ± 76.347 χ^2/NDF : 514.0/41

asym_bpm0r05WS_rms vs Slug



Right In: 368.287 ± 0.104 $\chi^2/\text{NDF}: 765418.4/16$

Left Out: 370.296 ± 0.064 $\chi^2/\text{NDF}: 1848478.9/23$

Right Out: 347.159 ± 0.096 $\chi^2/\text{NDF}: 816304.3/18$

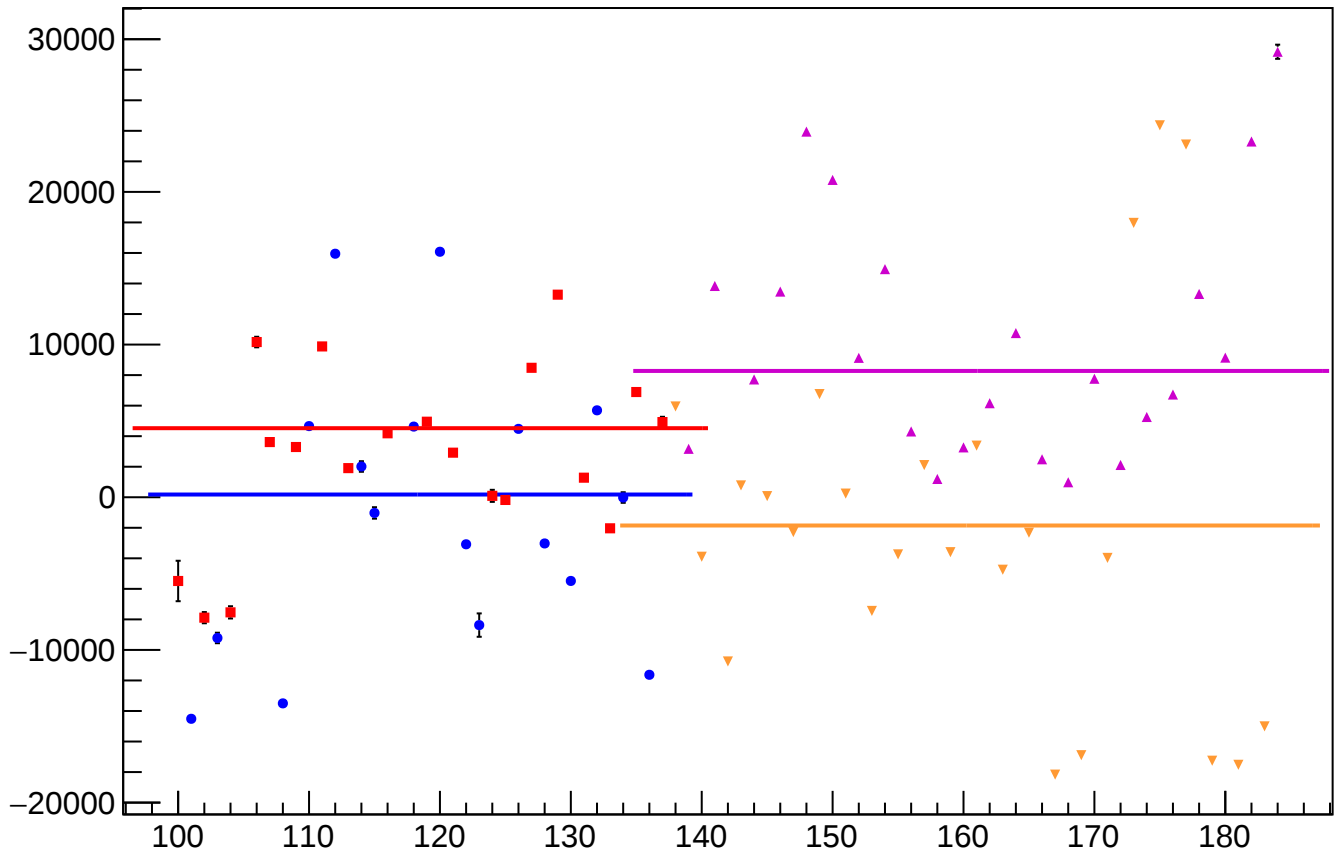
Left In: 373.161 ± 0.065 $\chi^2/\text{NDF}: 1636244.2/22$

+ sign 369.752 ± 0.054 $\chi^2/\text{NDF}: 2614167.6/40$

All: 367.331 ± 0.038 $\chi^2/\text{NDF}: 5120835.0/82$

- sign 364.937 ± 0.054 $\chi^2/\text{NDF}: 2502712.6/41$

asym_bpm0i02WS_mean vs Slug



Right In: 178.788+/-54.896 χ^2/NDF : 30662.2/16

Left Out: -1850.195+/-42.671 χ^2/NDF : 62507.7/23

Right Out: 4523.222+/-52.440 χ^2/NDF : 7474.2/18

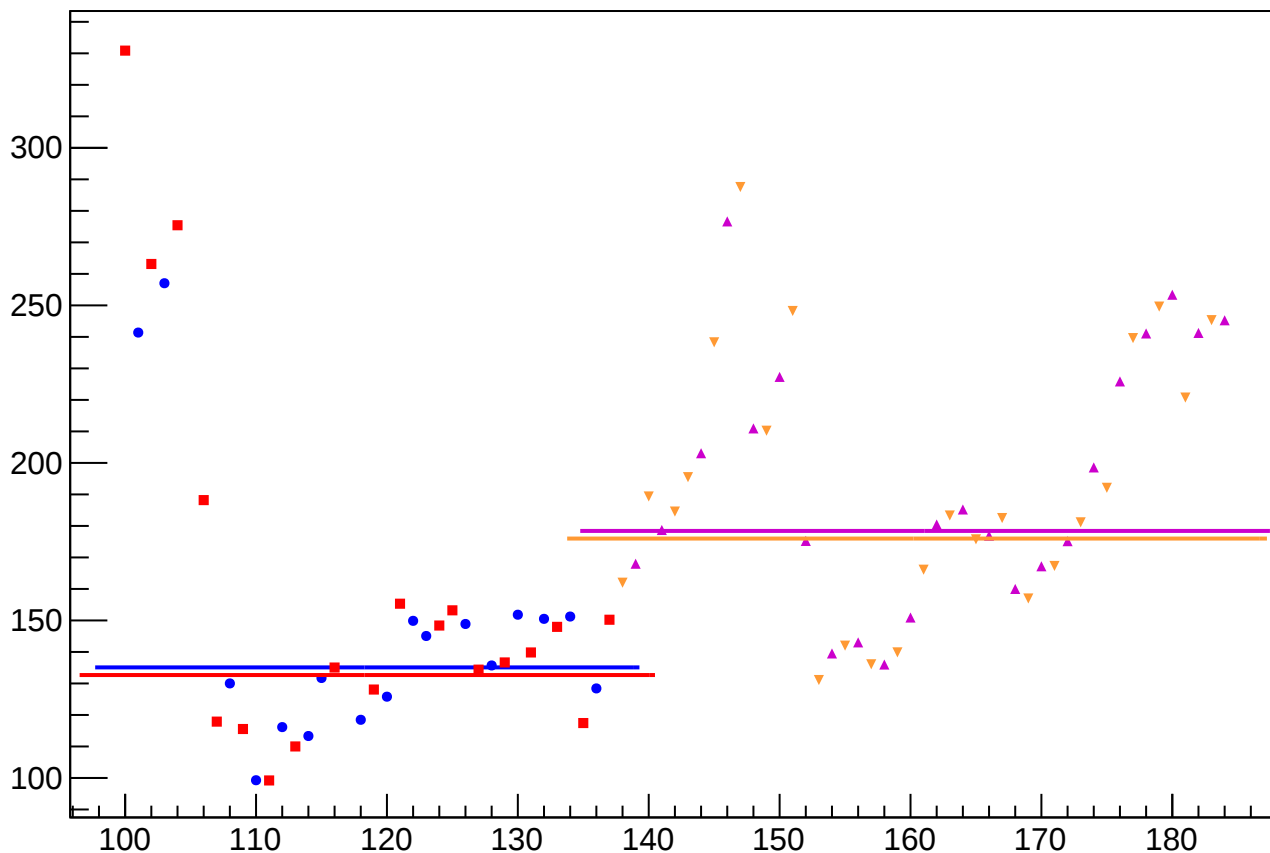
Left In: 8273.228+/-44.301 χ^2/NDF : 22870.2/22

+ sign -1086.011+/-33.690 χ^2/NDF : 94021.5/40

All: 2795.272+/-23.876 χ^2/NDF : 154013.8/82

- sign 6711.488+/-33.841 χ^2/NDF : 33328.4/41

asym_bpm0i02WS_rms vs Slug



Right In: 135.099 ± 0.039 χ^2/NDF : 657657.4/16

Left Out: 175.992 ± 0.030 χ^2/NDF : 1510458.7/23

Right Out: 132.672 ± 0.037 χ^2/NDF : 828363.1/18

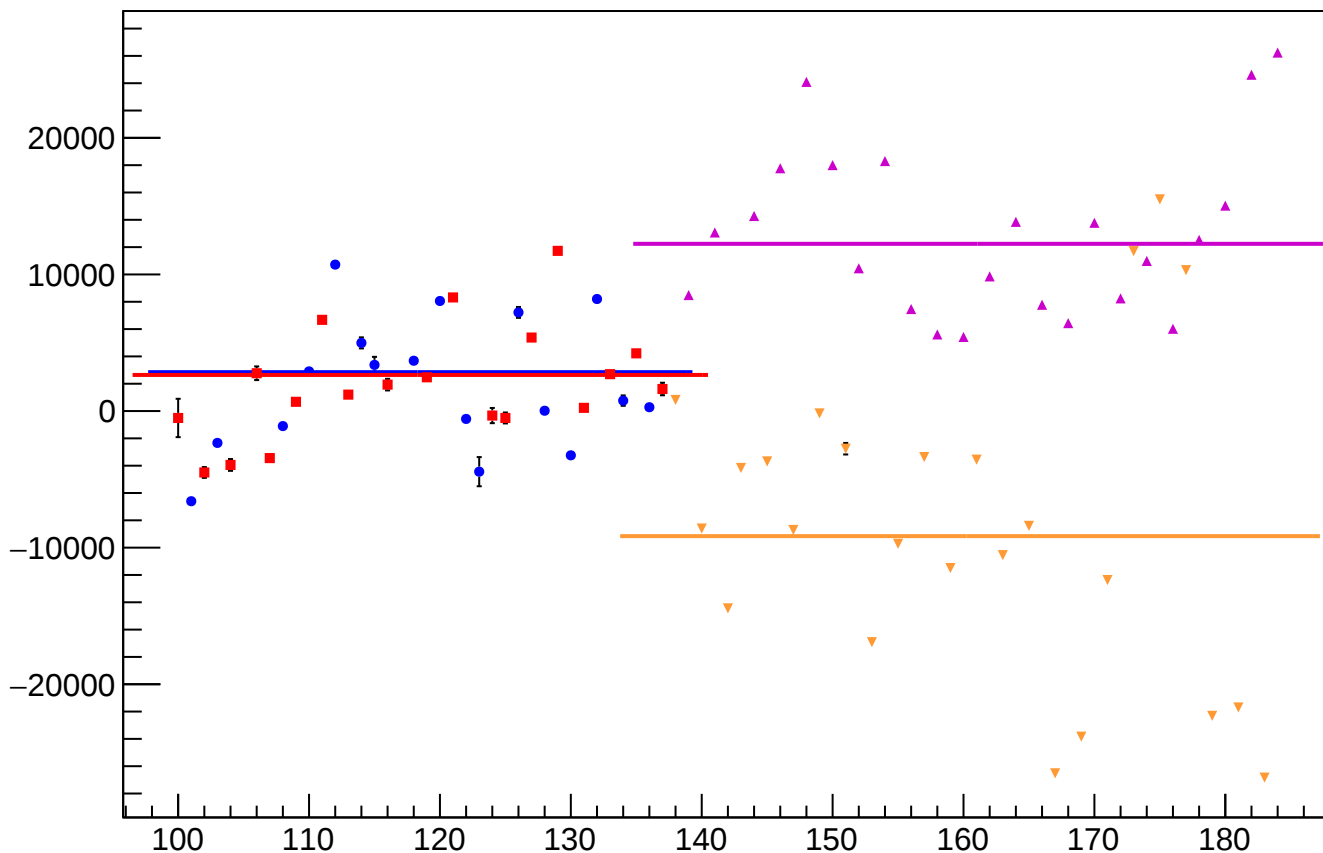
Left In: 178.413 ± 0.031 χ^2/NDF : 1293736.2/22

+ sign 160.590 ± 0.024 χ^2/NDF : 2859946.4/40

All: 159.980 ± 0.017 χ^2/NDF : 5871322.8/82

- sign 159.364 ± 0.024 χ^2/NDF : 3010056.8/41

asym_bpm0i02aWS_mean vs Slug



Right In: 2846.117 $\pm$ 70.894 χ^2 /NDF: 4160.1/16

Left Out: -9157.806 $\pm$ 45.986 χ^2 /NDF:59867.8/23

Right Out: 2643.505 $\pm$ 65.711 χ^2 /NDF: 3177.7/18

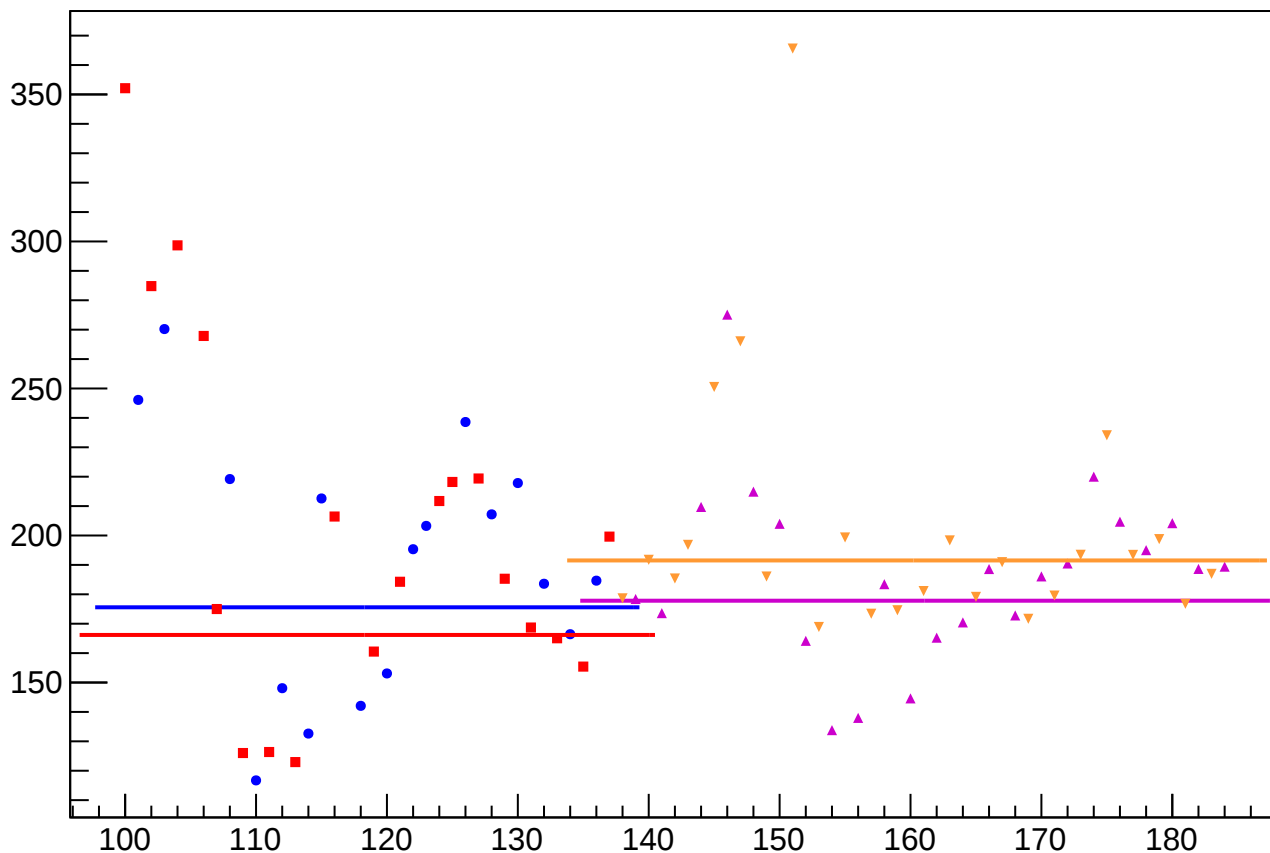
Left In: 12242.226 $\pm$ 43.944 χ^2 /NDF:16615.8/22

+ sign -5602.805 $\pm$ 38.581 χ^2 /NDF: 84207.1/40

All: 2242.730 $\pm$ 26.525 χ^2 /NDF: 197169.4/82

- sign 9275.976 $\pm$ 36.529 χ^2 /NDF: 34537.4/41

asym_bpm0i02aWS_rms vs Slug



Right In: 175.582 $\pm$ 0.050 χ^2 /NDF: 687852.4/16

Left Out: 191.517 $\pm$ 0.033 χ^2 /NDF: 725777.4/23

Right Out: 166.180 $\pm$ 0.046 χ^2 /NDF: 925559.0/18

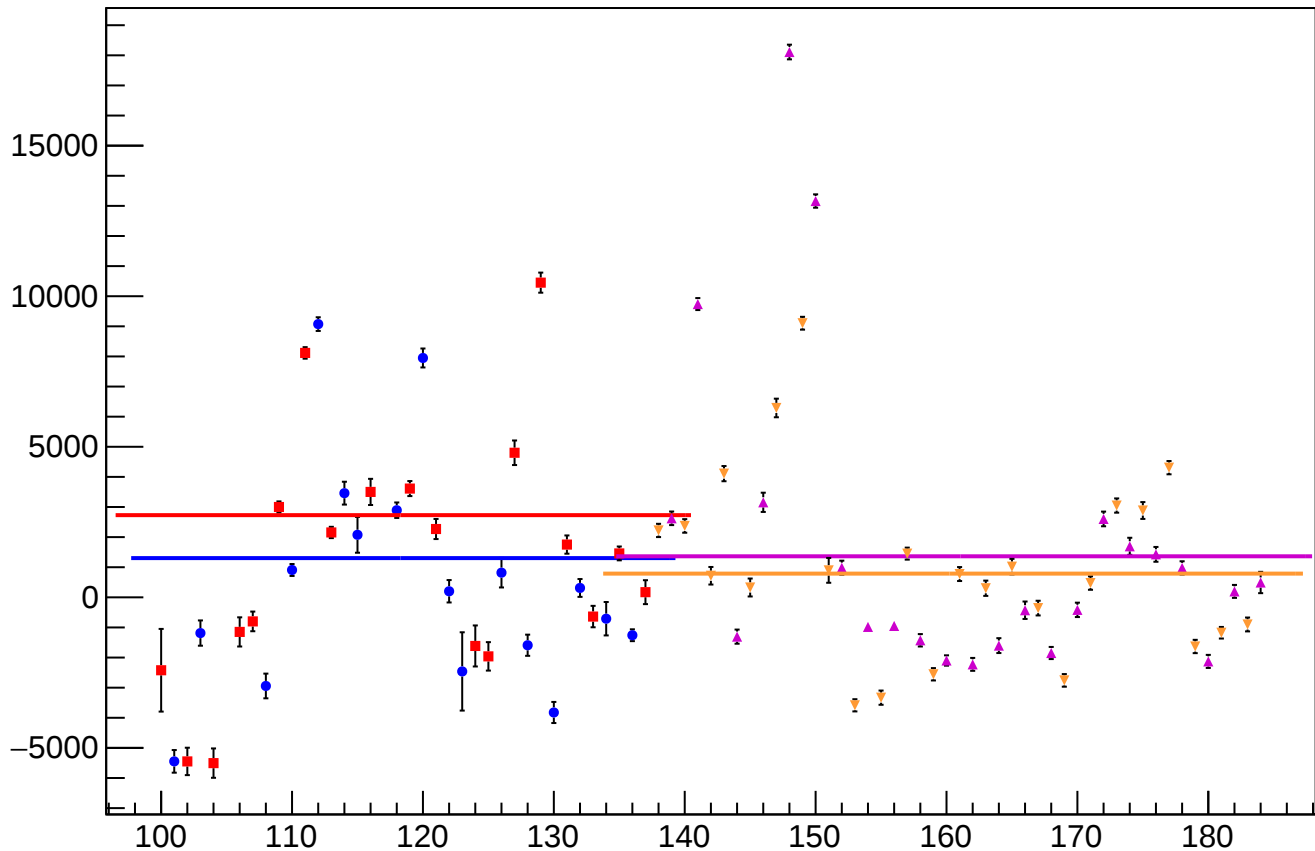
Left In: 177.821 $\pm$ 0.031 χ^2 /NDF: 862494.4/22

+ sign 186.798 $\pm$ 0.027 χ^2 /NDF: 1484751.3/40

All: 180.168 $\pm$ 0.019 χ^2 /NDF: 3428194.3/82

- sign 174.224 $\pm$ 0.026 χ^2 /NDF: 1831427.0/41

asym_bpm0i05WS_mean vs Slug



Right In: 1302.950 ± 77.323 $\chi^2/\text{NDF}: 2649.9/16$

Left Out: 787.838 ± 47.968 $\chi^2/\text{NDF}: 4146.3/23$

Right Out: 2729.355 ± 70.012 $\chi^2/\text{NDF}: 2497.2/18$

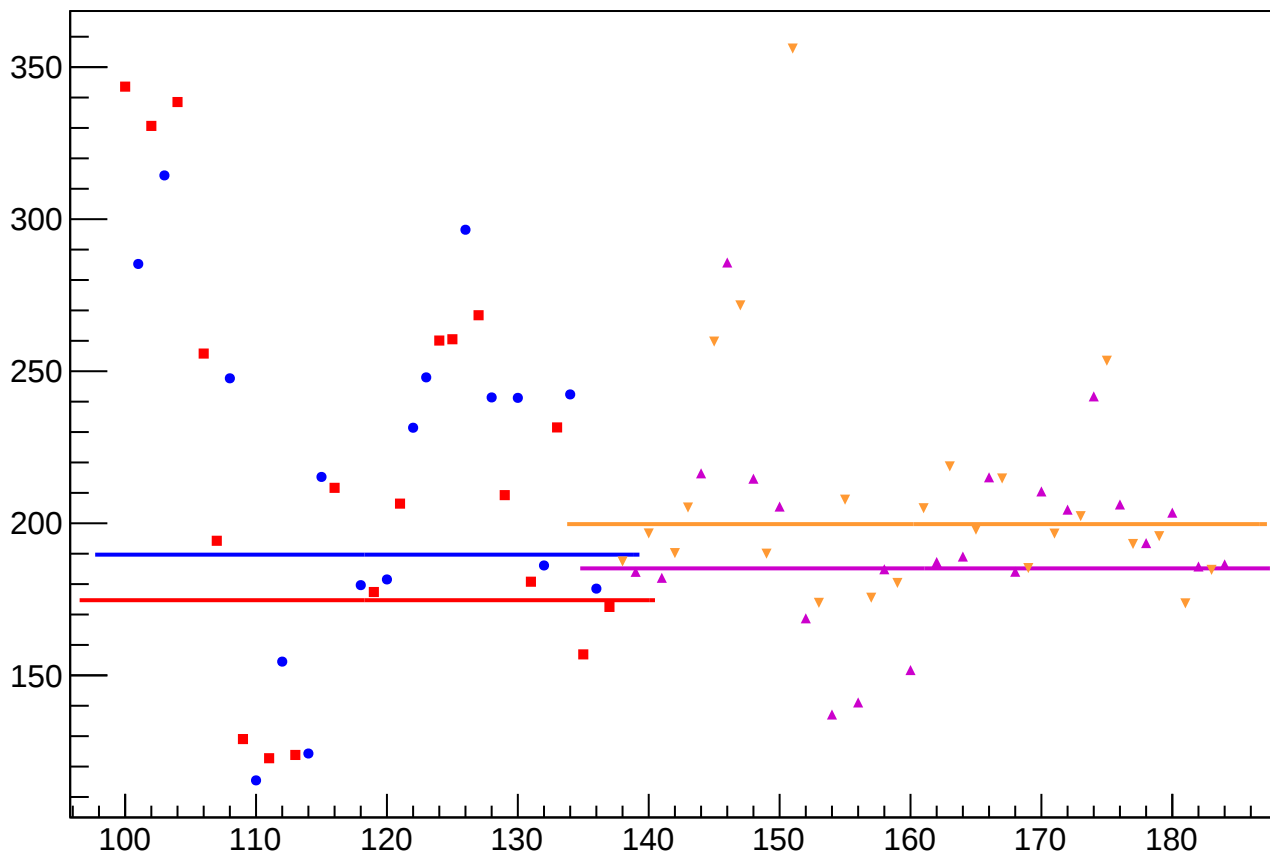
Left In: 1363.043 ± 45.807 $\chi^2/\text{NDF}: 11632.9/22$

+ sign 930.986 ± 40.762 $\chi^2/\text{NDF}: 6828.2/40$

All: 1377.632 ± 27.924 $\chi^2/\text{NDF}: 21451.1/82$

- sign 1772.602 ± 38.331 $\chi^2/\text{NDF}: 14396.7/41$

asym_bpm0i05WS_rms vs Slug



Right In: 189.687 ± 0.055 $\chi^2/\text{NDF}: 977199.2/16$

Left Out: 199.729 ± 0.034 $\chi^2/\text{NDF}: 724753.3/23$

Right Out: 174.707 ± 0.050 $\chi^2/\text{NDF}: 1291115.5/18$

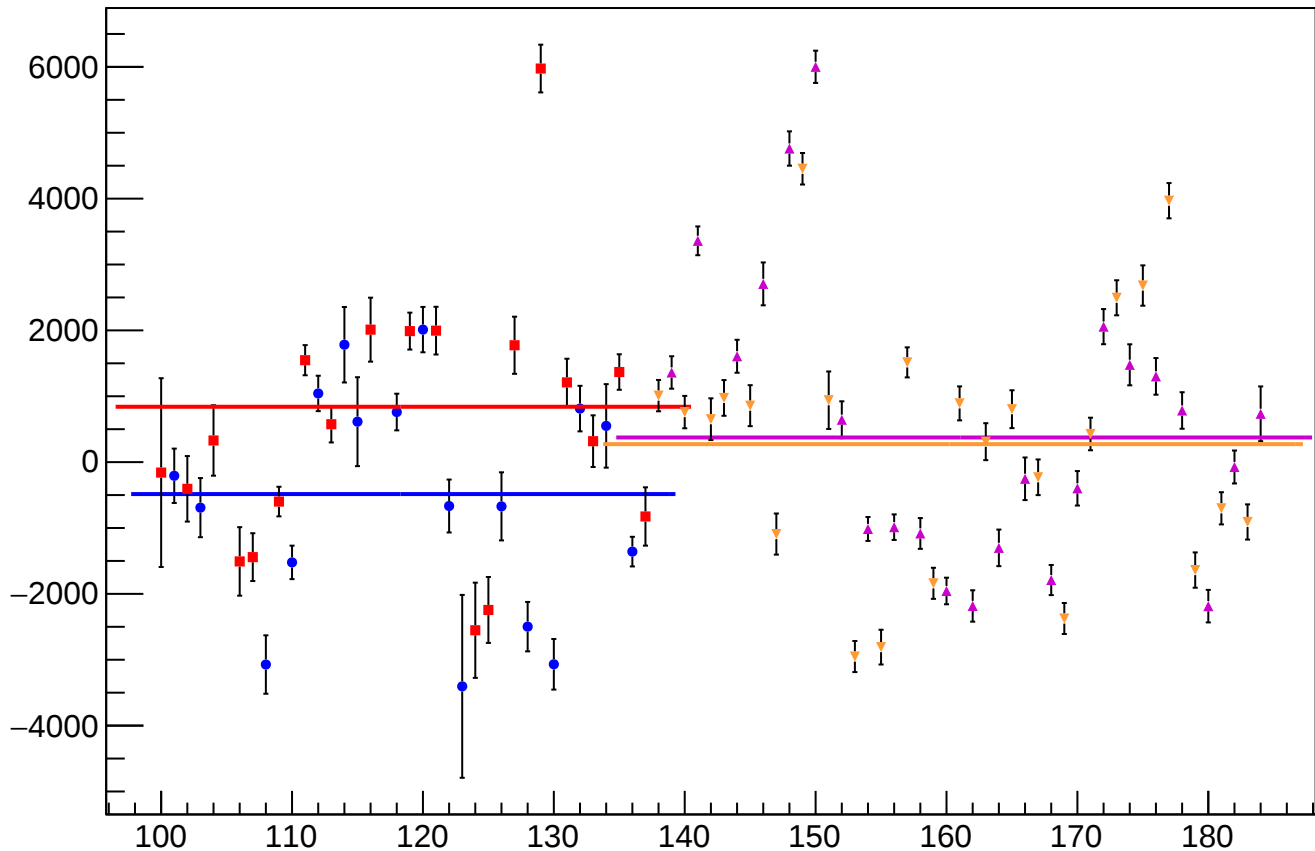
Left In: 185.171 ± 0.032 $\chi^2/\text{NDF}: 882752.2/22$

+ sign 196.938 ± 0.029 $\chi^2/\text{NDF}: 1726310.0/40$

All: 189.028 ± 0.020 $\chi^2/\text{NDF}: 4073363.1/82$

- sign 182.034 ± 0.027 $\chi^2/\text{NDF}: 2205151.5/41$

asym_bpm0i07WS_mean vs Slug



Right In: -485.036 ± 88.788 χ^2/NDF : 285.3/16

Left Out: 272.921 ± 54.087 χ^2/NDF : 1332.5/23

Right Out: 840.594 ± 82.233 χ^2/NDF : 438.2/18

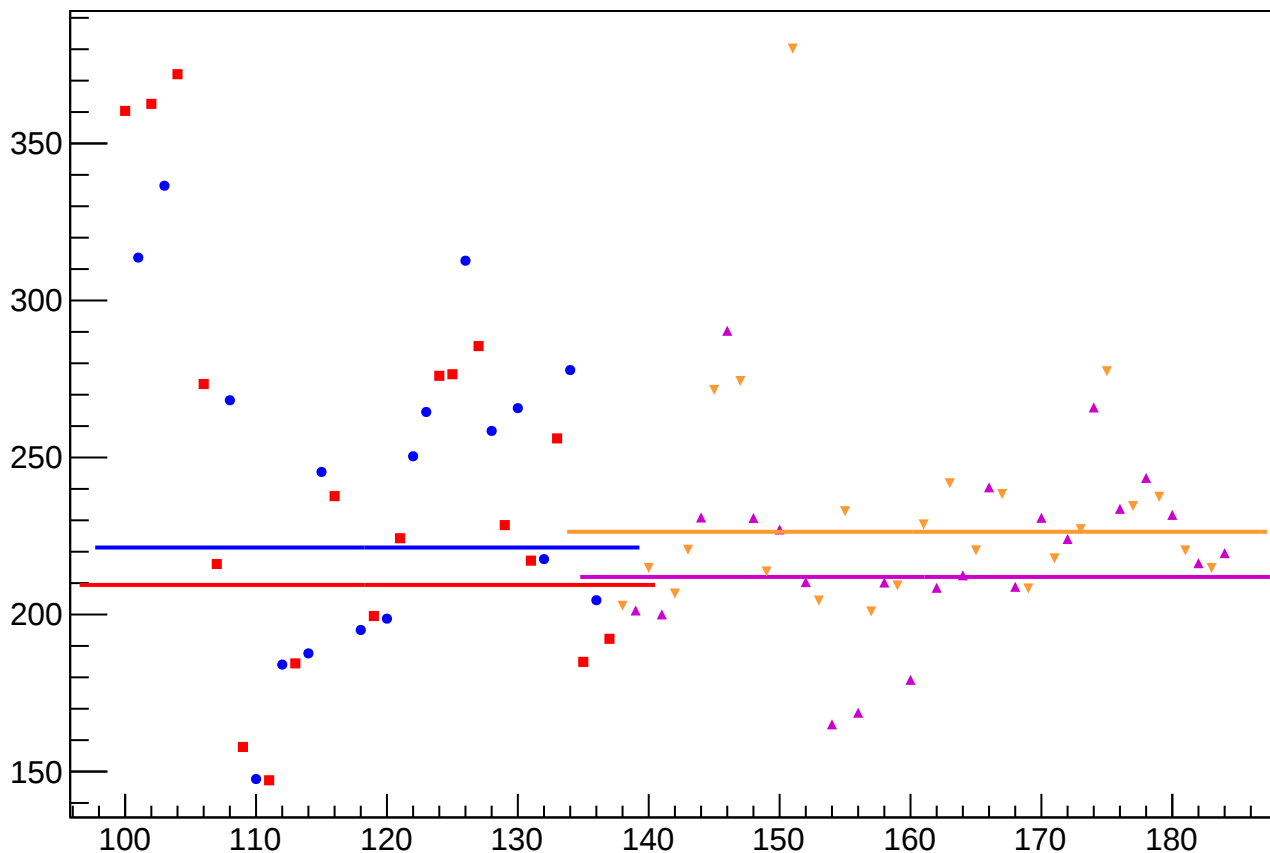
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign 67.782 ± 46.191 χ^2/NDF : 1671.0/40

All: 298.444 ± 31.851 χ^2/NDF : 3980.7/82

- sign 507.548 ± 43.980 χ^2/NDF : 2262.2/41

asym_bpm0i07WS_rms vs Slug



Right In: 221.339 $\pm$ 0.063 χ^2 /NDF: 645507.4/16

Left Out: 226.344 $\pm$ 0.038 χ^2 /NDF: 521166.2/23

Right Out: 209.428 $\pm$ 0.058 χ^2 /NDF: 879292.0/18

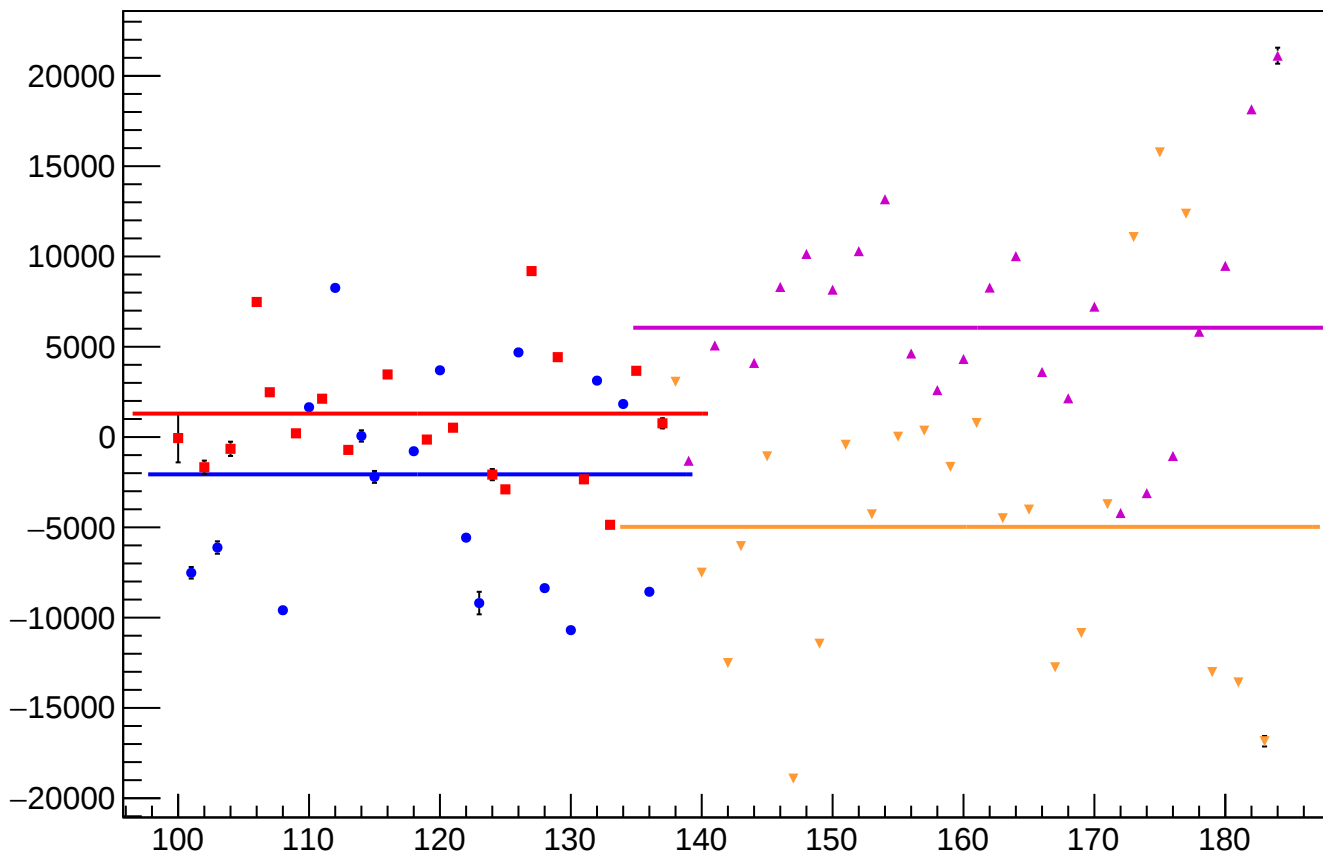
Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

+ sign 224.989 $\pm$ 0.033 χ^2 /NDF: 1171308.9/40

All: 217.779 $\pm$ 0.023 χ^2 /NDF: 2729216.8/82

- sign 211.243 $\pm$ 0.031 χ^2 /NDF: 1465001.3/41

asym_bpm1i02WS_mean vs Slug



Right In: -2065.524 ± 47.407 $\chi^2/\text{NDF}: 16535.7/16$

Left Out: -4974.129 ± 33.934 $\chi^2/\text{NDF}: 53452.9/23$

Right Out: 1298.632 ± 44.980 $\chi^2/\text{NDF}: 5909.5/18$

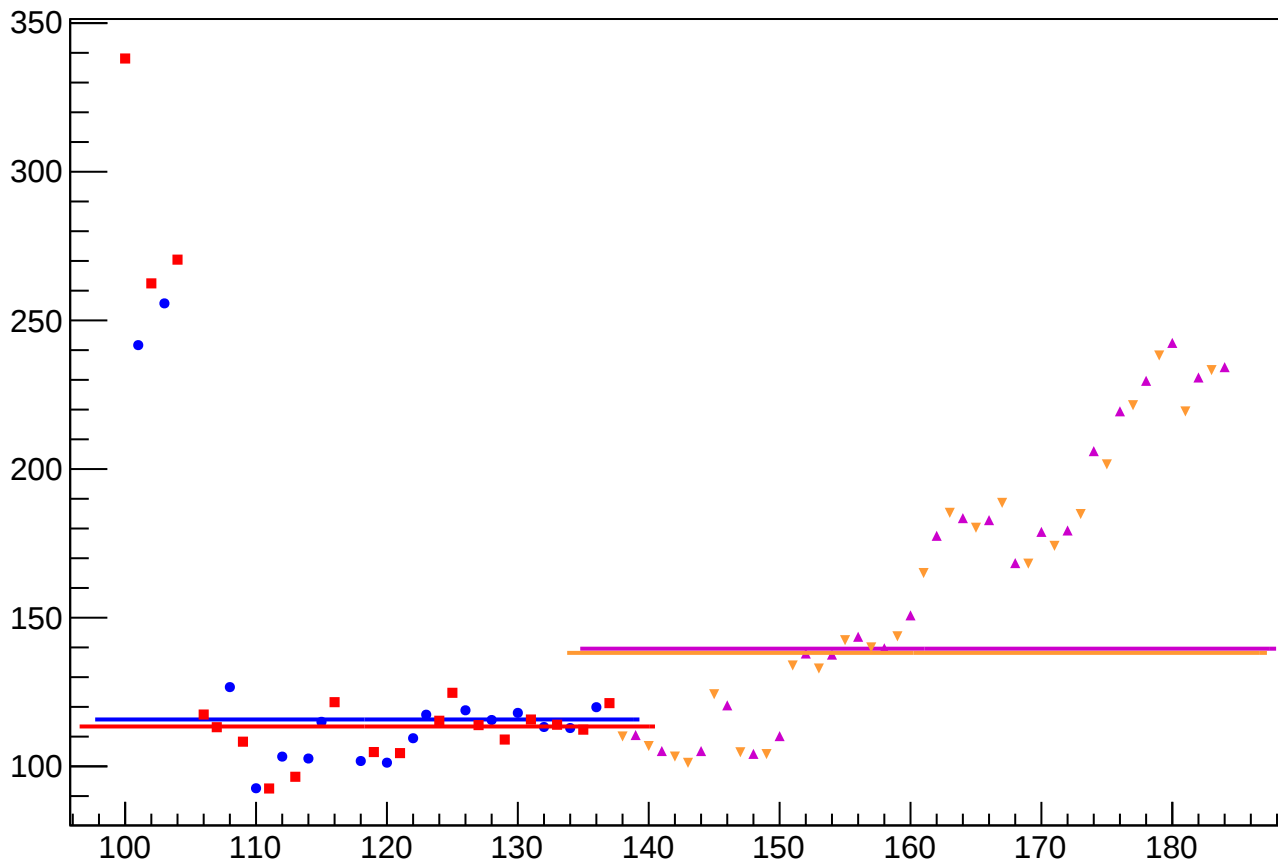
Left In: 6053.569 ± 34.998 $\chi^2/\text{NDF}: 17590.3/22$

+ sign -3988.737 ± 27.593 $\chi^2/\text{NDF}: 72477.6/40$

All: 131.604 ± 19.521 $\chi^2/\text{NDF}: 147579.7/82$

- sign 4260.470 ± 27.622 $\chi^2/\text{NDF}: 30460.6/41$

asym_bpm1i02WS_rms vs Slug



Right In: 115.768 $\pm$ 0.034 χ^2 /NDF: 743657.8/16

Left Out: 138.168 $\pm$ 0.024 χ^2 /NDF: 2458827.2/23

Right Out: 113.410 $\pm$ 0.032 χ^2 /NDF: 795303.3/18

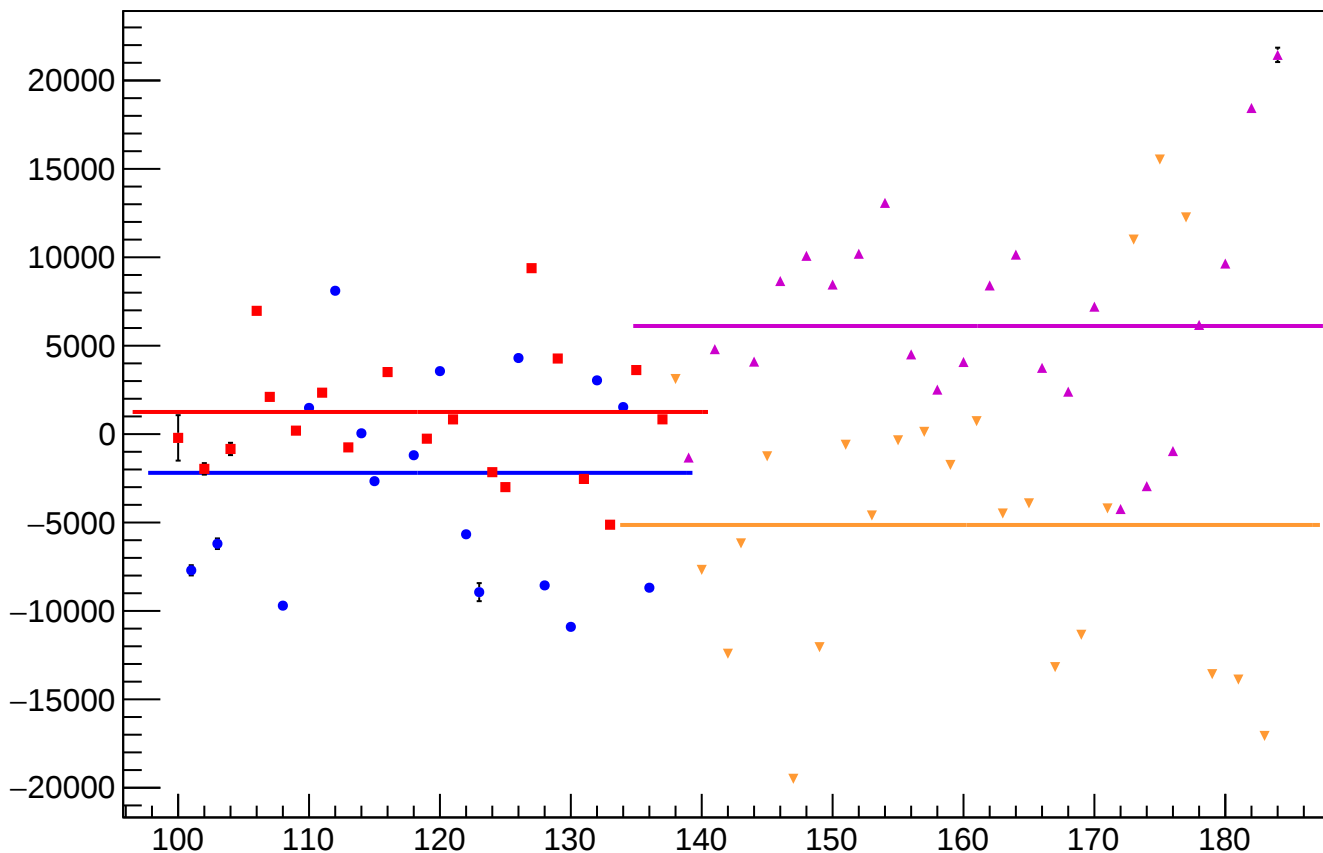
Left In: 139.578 $\pm$ 0.025 χ^2 /NDF: 2413658.9/22

+ sign 130.579 $\pm$ 0.020 χ^2 /NDF: 3497741.0/40

All: 130.145 $\pm$ 0.014 χ^2 /NDF: 7129322.7/82

- sign 129.710 $\pm$ 0.020 χ^2 /NDF: 3630590.1/41

asym_bpm1i04WS_mean vs Slug



Right In: -2190.242 ± 40.008 $\chi^2/\text{NDF}: 22811.0/16$

Left Out: -5138.161 ± 30.824 $\chi^2/\text{NDF}: 63186.5/23$

Right Out: 1252.225 ± 38.029 $\chi^2/\text{NDF}: 8581.9/18$

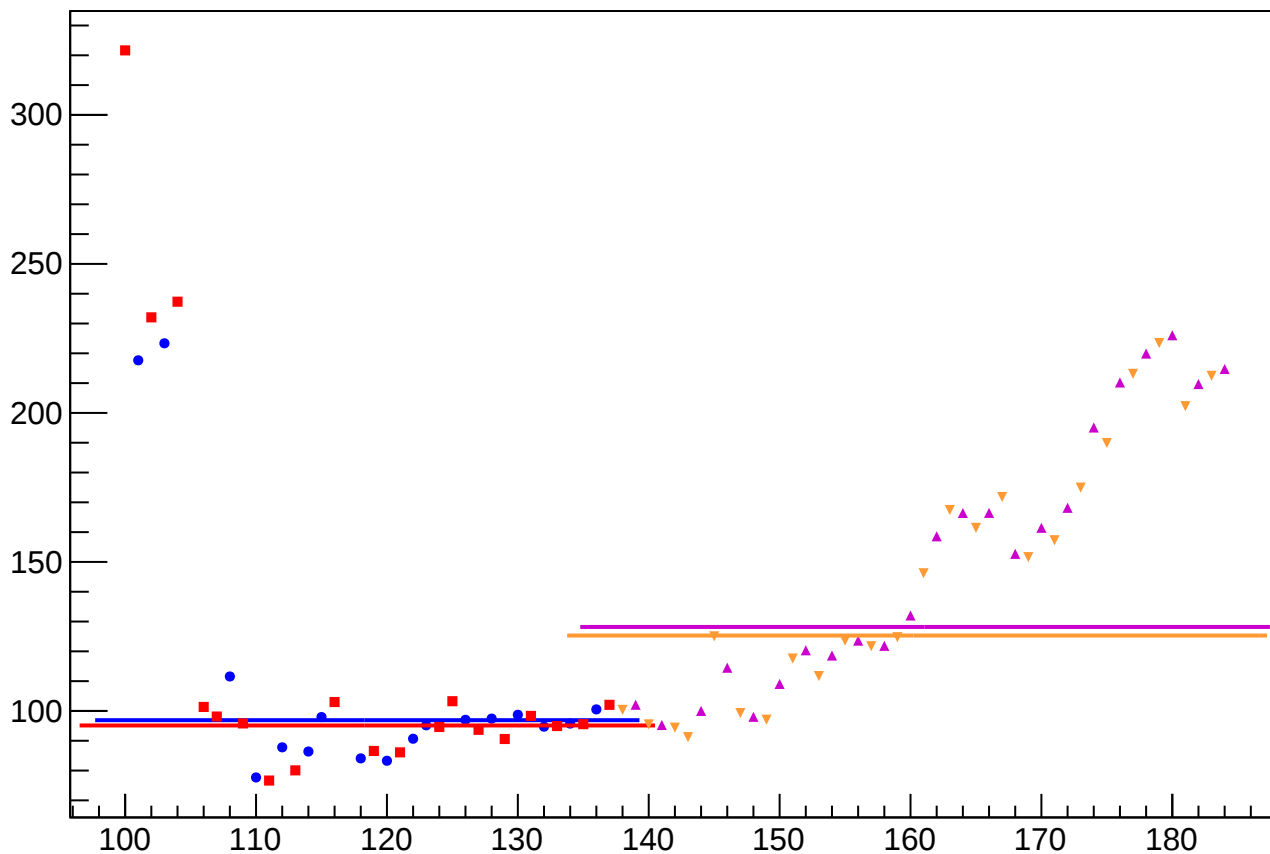
Left In: 6114.901 ± 32.126 $\chi^2/\text{NDF}: 21260.9/22$

+ sign -4040.104 ± 24.418 $\chi^2/\text{NDF}: 89404.3/40$

All: 4.405 ± 17.309 $\chi^2/\text{NDF}: 183938.3/82$

- sign 4089.846 ± 24.541 $\chi^2/\text{NDF}: 39384.1/41$

asym_bpm1i04WS_rms vs Slug



Right In: 96.898 $\pm$ 0.028 χ^2 /NDF: 817255.1/16

Left Out: 125.306 $\pm$ 0.022 χ^2 /NDF: 2505133.2/23

Right Out: 95.130 $\pm$ 0.027 χ^2 /NDF: 858457.3/18

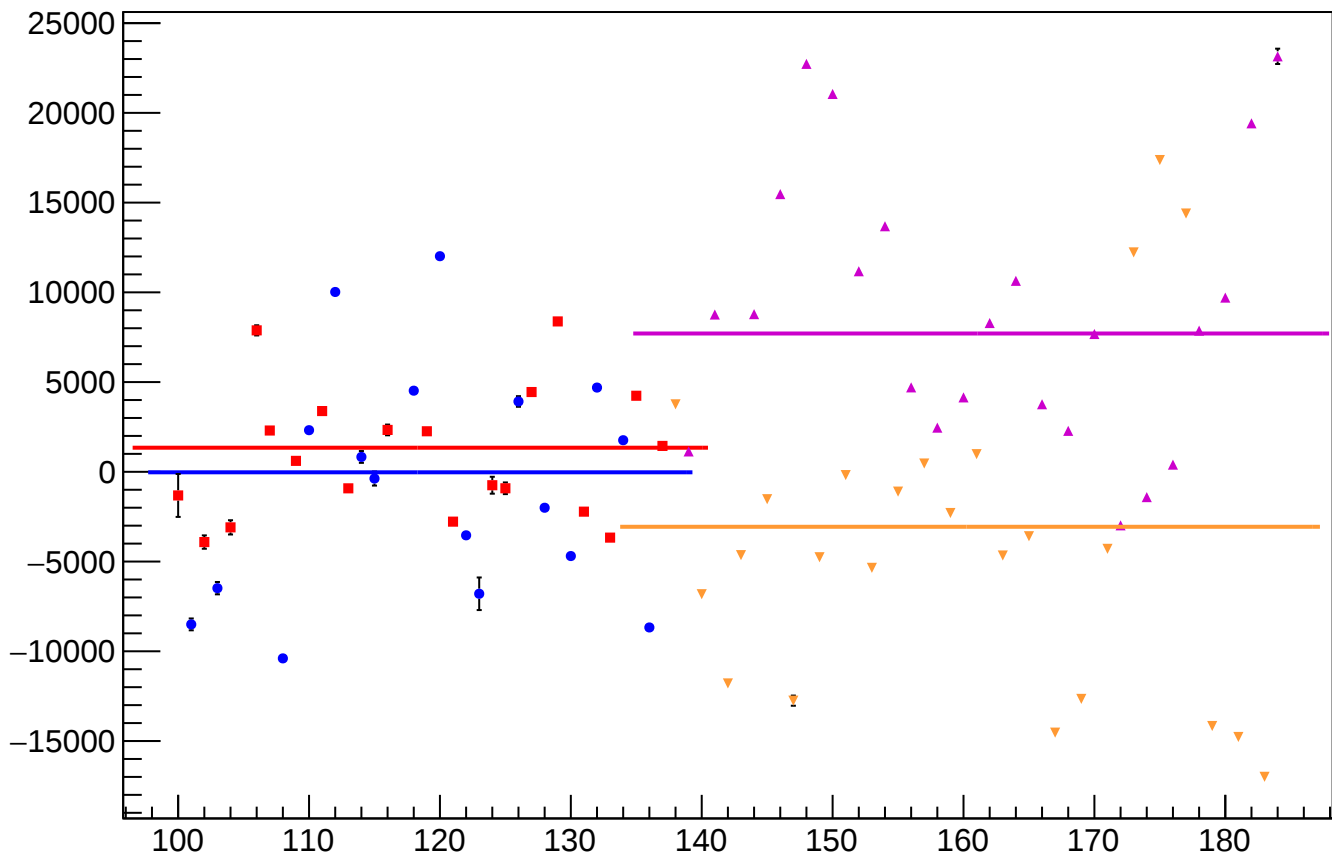
Left In: 128.184 $\pm$ 0.023 χ^2 /NDF: 2332977.5/22

+ sign 114.724 $\pm$ 0.017 χ^2 /NDF: 3955111.7/40

All: 114.572 $\pm$ 0.012 χ^2 /NDF: 8028431.4/82

- sign 114.418 $\pm$ 0.017 χ^2 /NDF: 4073163.5/41

asym_bpm1i06WS_mean vs Slug



Right In: -27.457 ± 54.732 χ^2/NDF : 16364.6/16

Left Out: -3062.648 ± 40.867 χ^2/NDF : 35349.6/23

Right Out: 1343.122 ± 52.343 χ^2/NDF : 3846.7/18

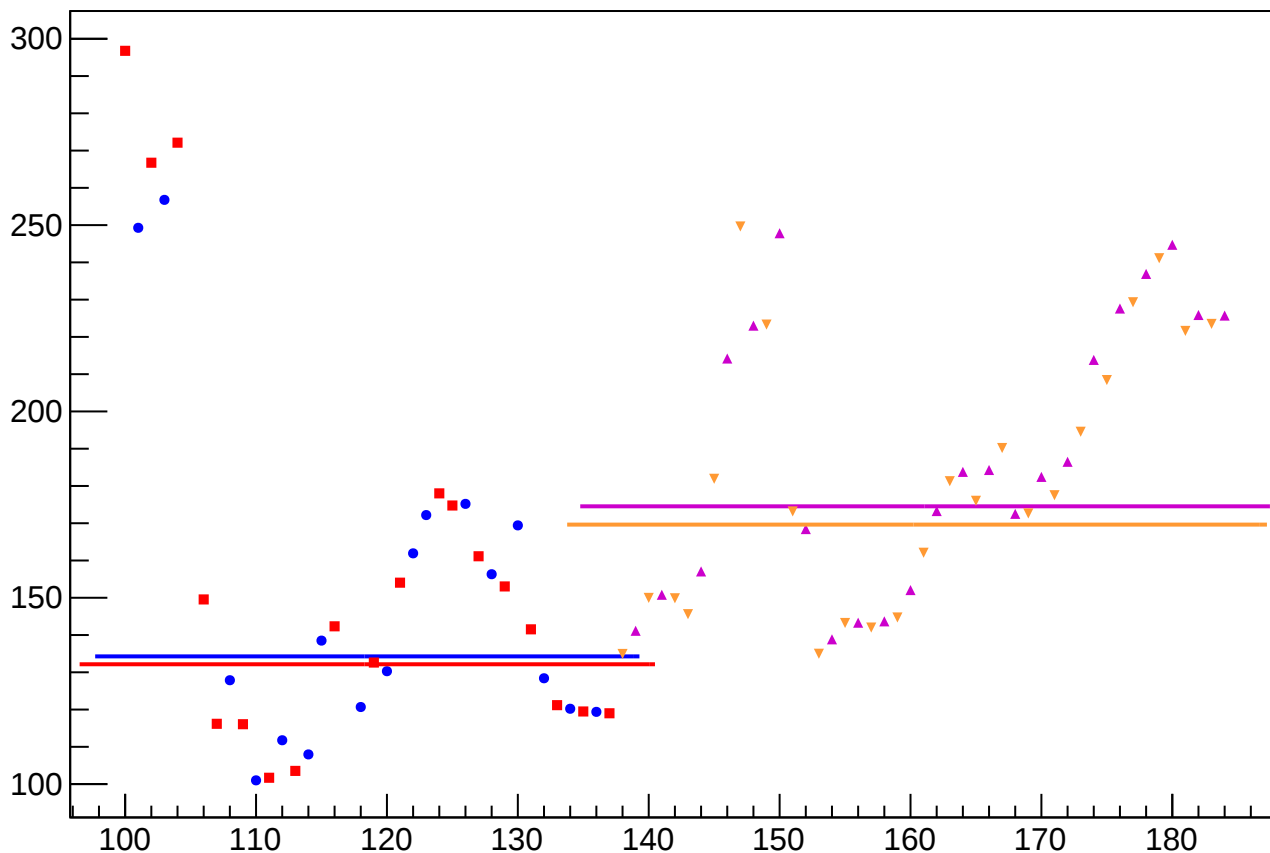
Left In: 7707.068 ± 42.990 χ^2/NDF : 21268.3/22

+ sign -1976.186 ± 32.746 χ^2/NDF : 53688.6/40

All: 1532.347 ± 23.321 χ^2/NDF : 110926.7/82

- sign 5143.524 ± 33.221 χ^2/NDF : 33942.4/41

asym_bpm1i06WS_rms vs Slug



Right In: 134.270 $\pm$ 0.039 χ^2 /NDF: 787098.5/16

Left Out: 169.632 $\pm$ 0.029 χ^2 /NDF: 1217057.9/23

Right Out: 132.155 $\pm$ 0.037 χ^2 /NDF: 865020.1/18

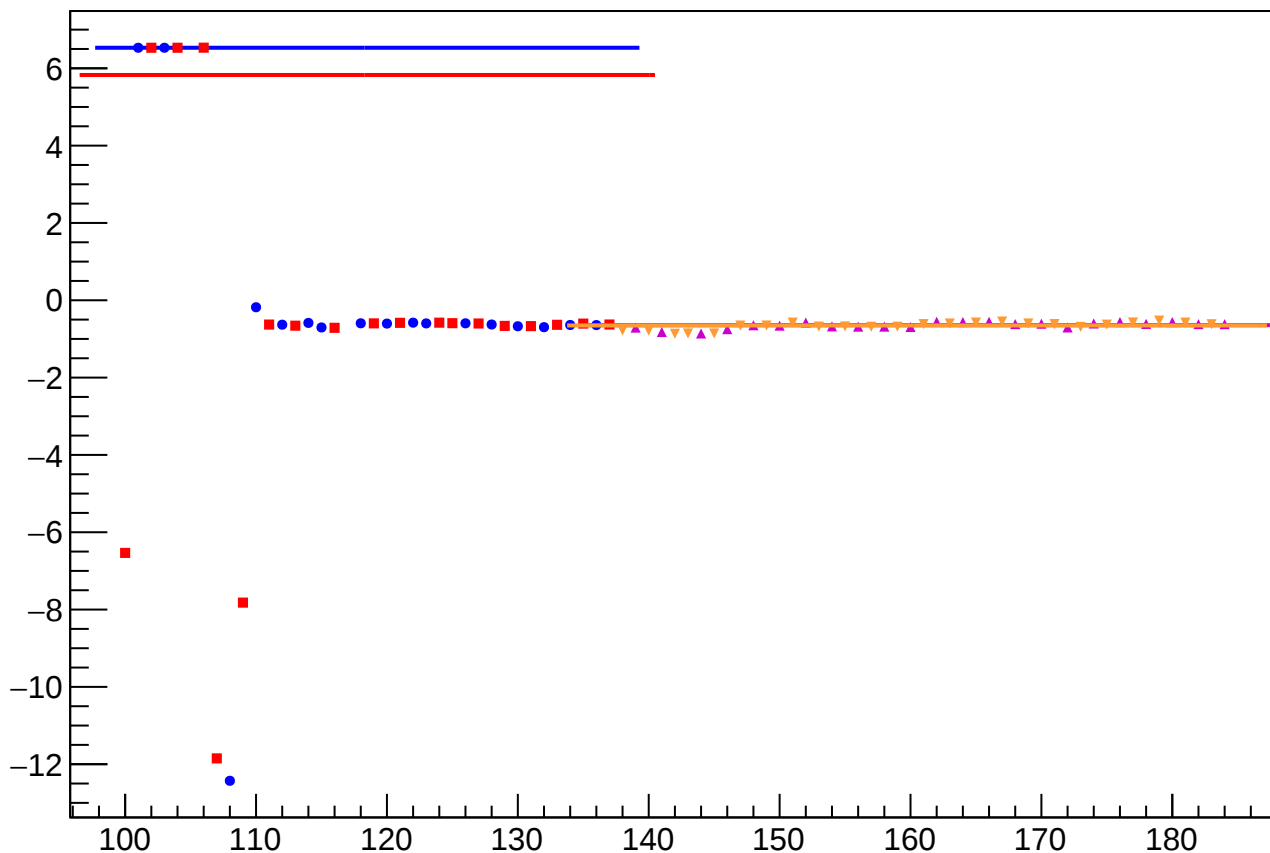
Left In: 174.539 $\pm$ 0.030 χ^2 /NDF: 1210071.2/22

+ sign 156.974 $\pm$ 0.023 χ^2 /NDF: 2540179.1/40

All: 157.216 $\pm$ 0.016 χ^2 /NDF: 5398612.7/82

- sign 157.466 $\pm$ 0.023 χ^2 /NDF: 2858211.6/41

yield_cav4bX_mean vs Slug



Right In: 6.532 +/- 0.000 χ^2/NDF : 127565119308.7/16

Left Out: -0.652 +/- 0.000 χ^2/NDF : 171265827.4/23

Right Out: 5.827 +/- 0.000 χ^2/NDF : 755947318870738.2/18

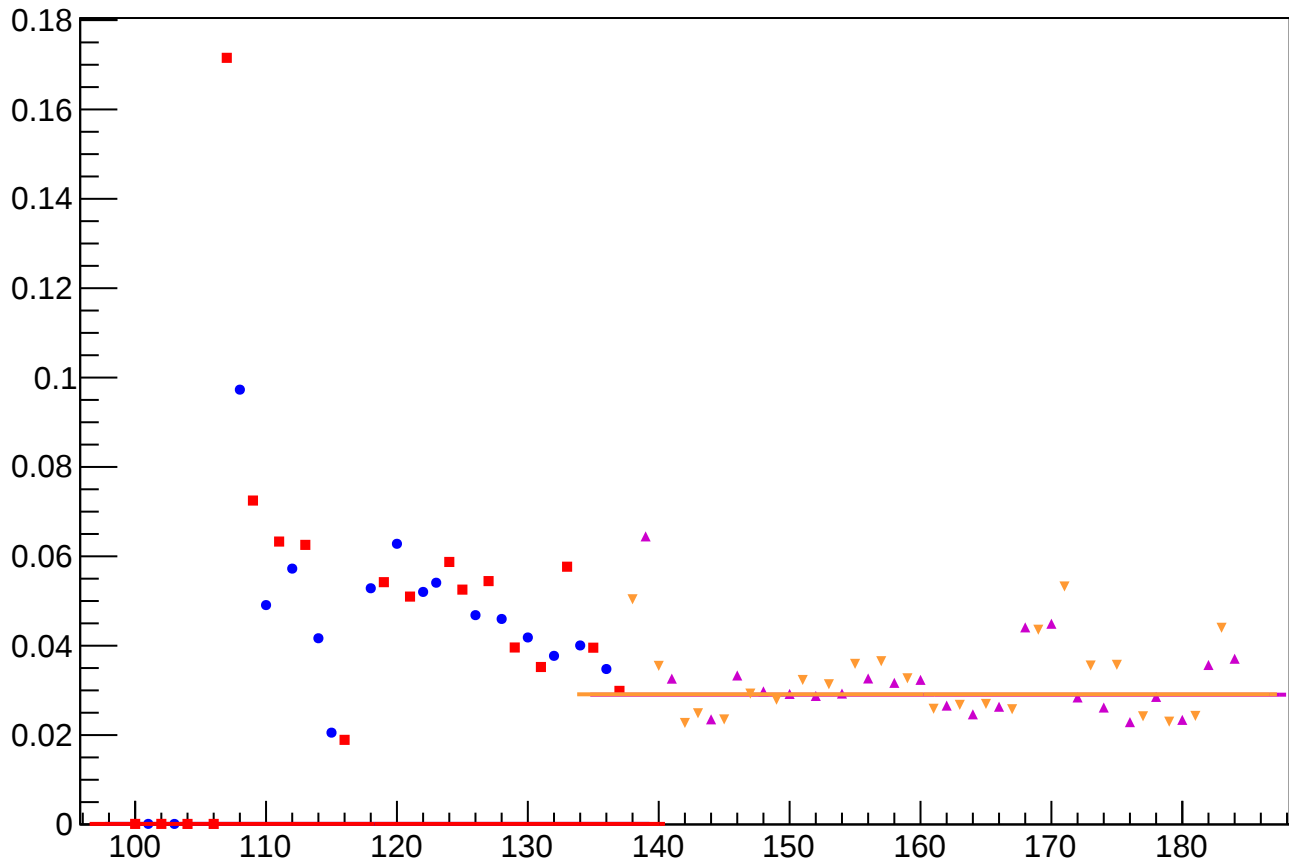
Left In: -0.644 +/- 0.000 χ^2/NDF : 122913584.0/22

+ sign 6.530 +/- 0.000 χ^2/NDF : 983223088077.9/40

All: 6.153 +/- 0.000 χ^2/NDF : 7775872679454

- sign 5.826 +/- 0.000 χ^2/NDF : 756618663501689.9/40

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 :1425250.1/23

Right Out: 0.000+/-0.000 χ^2/NDF : 9347467.6/18

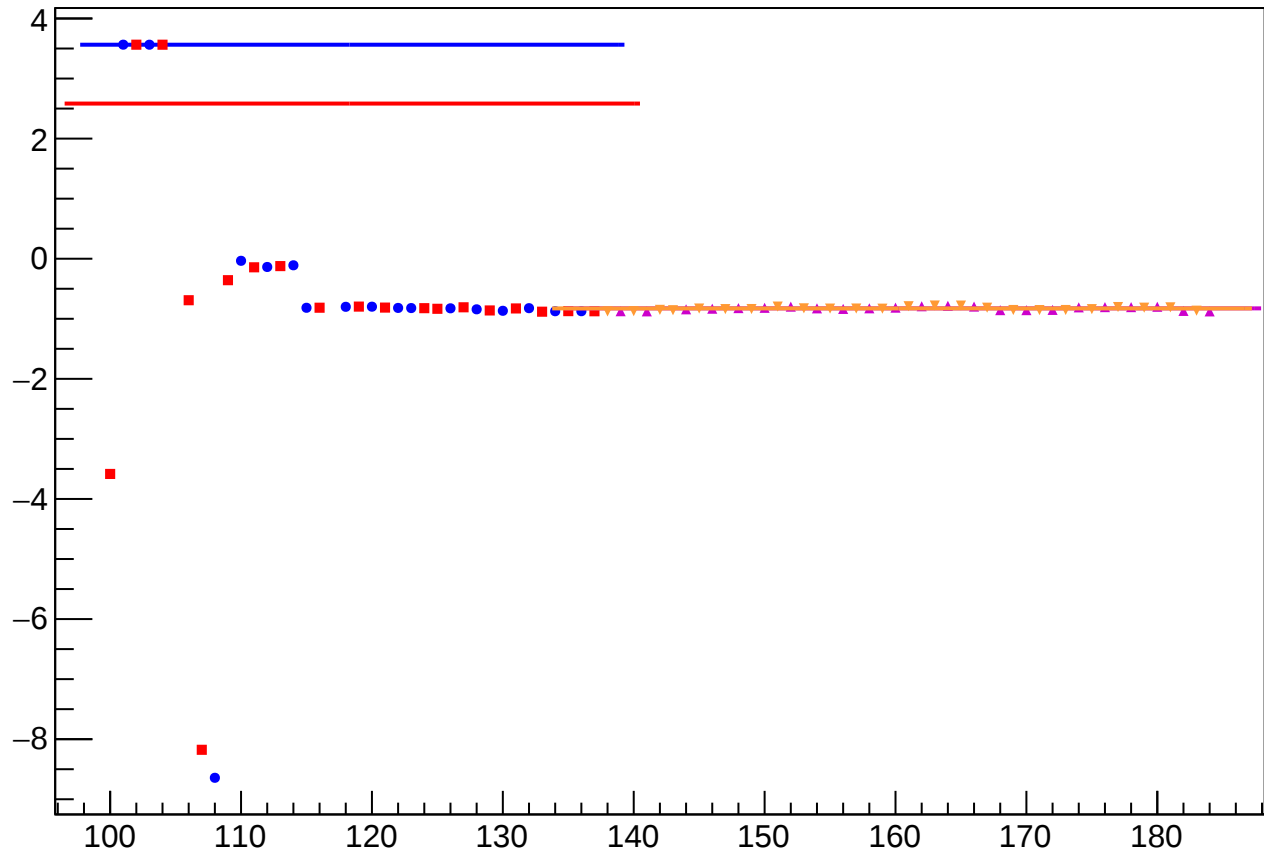
Left In: 0.029+/-0.000 χ^2/NDF :1164030.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 38315046.5/40

All: 0.000+/-0.000 χ^2/NDF : 75628866.5/82

- sign 0.000+/-0.000 χ^2/NDF : 37313187.7/41

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 485019512048.0/16

Left Out: -0.827+/-0.000 χ^2/NDF : 165278140.5/23

Right Out: 2.583+/-0.000 χ^2/NDF : 1253504623679499.2/18

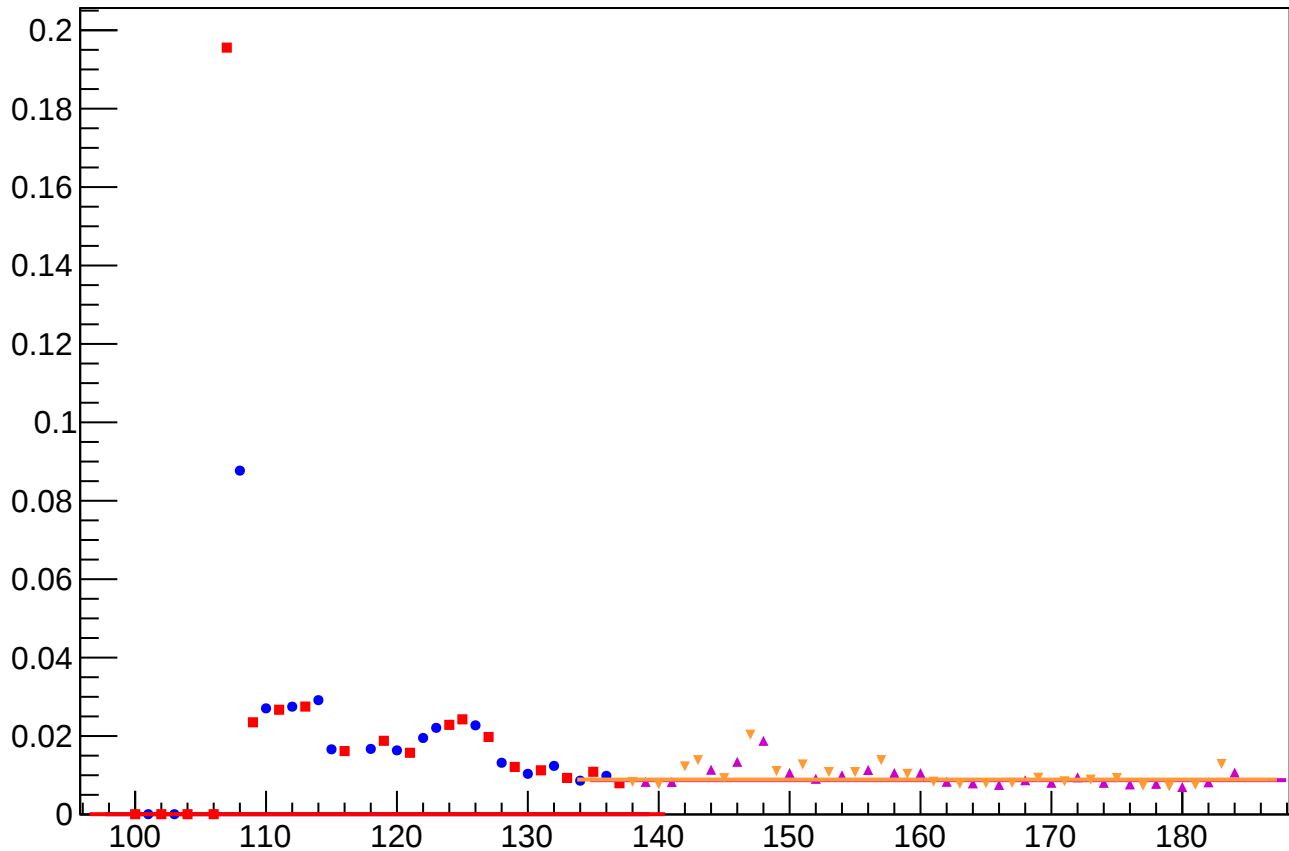
Left In: -0.827+/-0.000 χ^2/NDF : 172640246.1/22

+ sign 3.560+/-0.000 χ^2/NDF : 4120337760509.2/40

All: 3.038+/-0.000 χ^2/NDF : 13879108815522.0/100

- sign 2.581+/-0.000 χ^2/NDF : 1255704677159627.0/18

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 :1433508.1/23

Right Out: 0.000+/-0.000 χ^2/NDF : 9837255.2/18

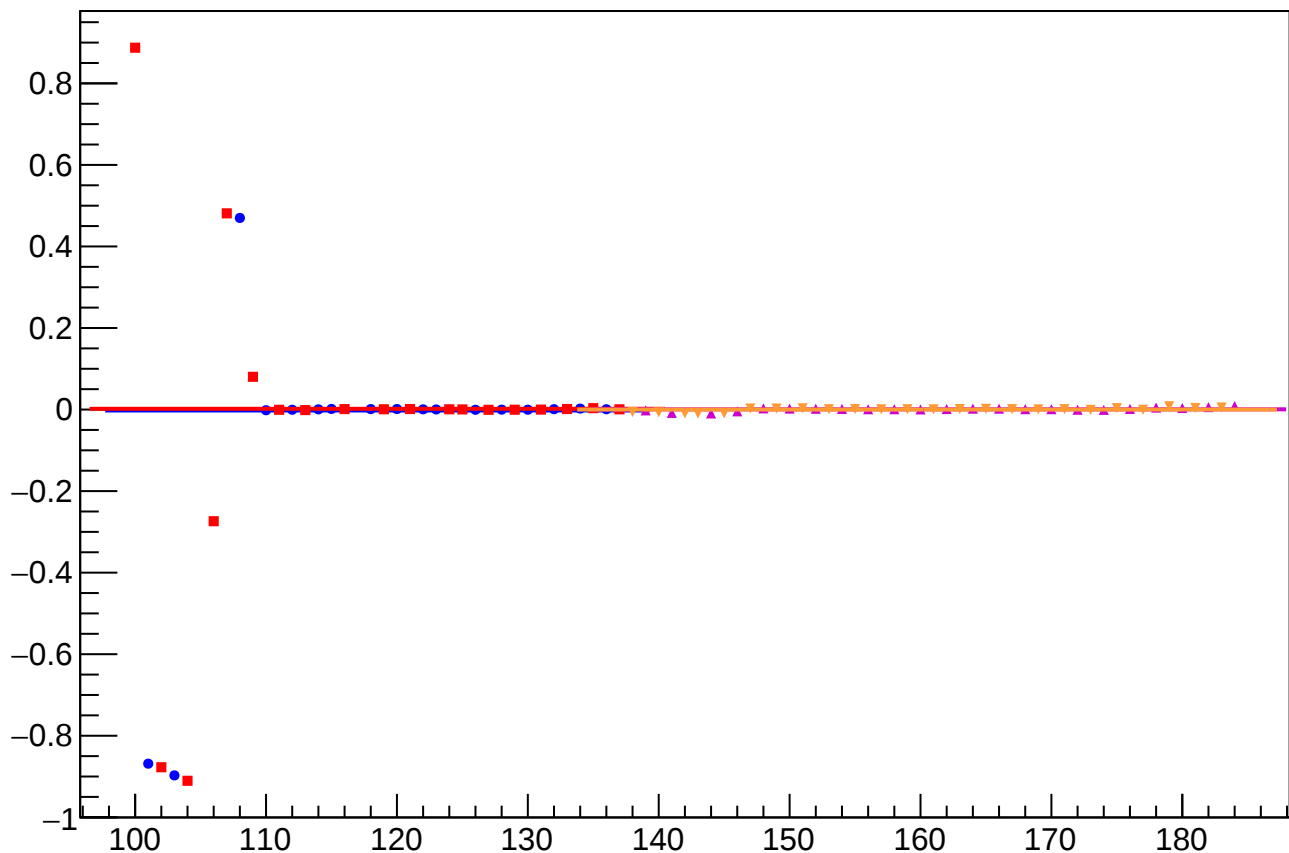
Left In: 0.009+/-0.000 χ^2/NDF :1041524.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 40639202.0/40

All: 0.000+/-0.000 χ^2/NDF : 80023080.2/82

- sign 0.000+/-0.000 χ^2/NDF : 39382867.1/41

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 : 144509063.7/23

Right Out: 0.002 ± 0.000 χ^2/NDF : 3041330797.2/18

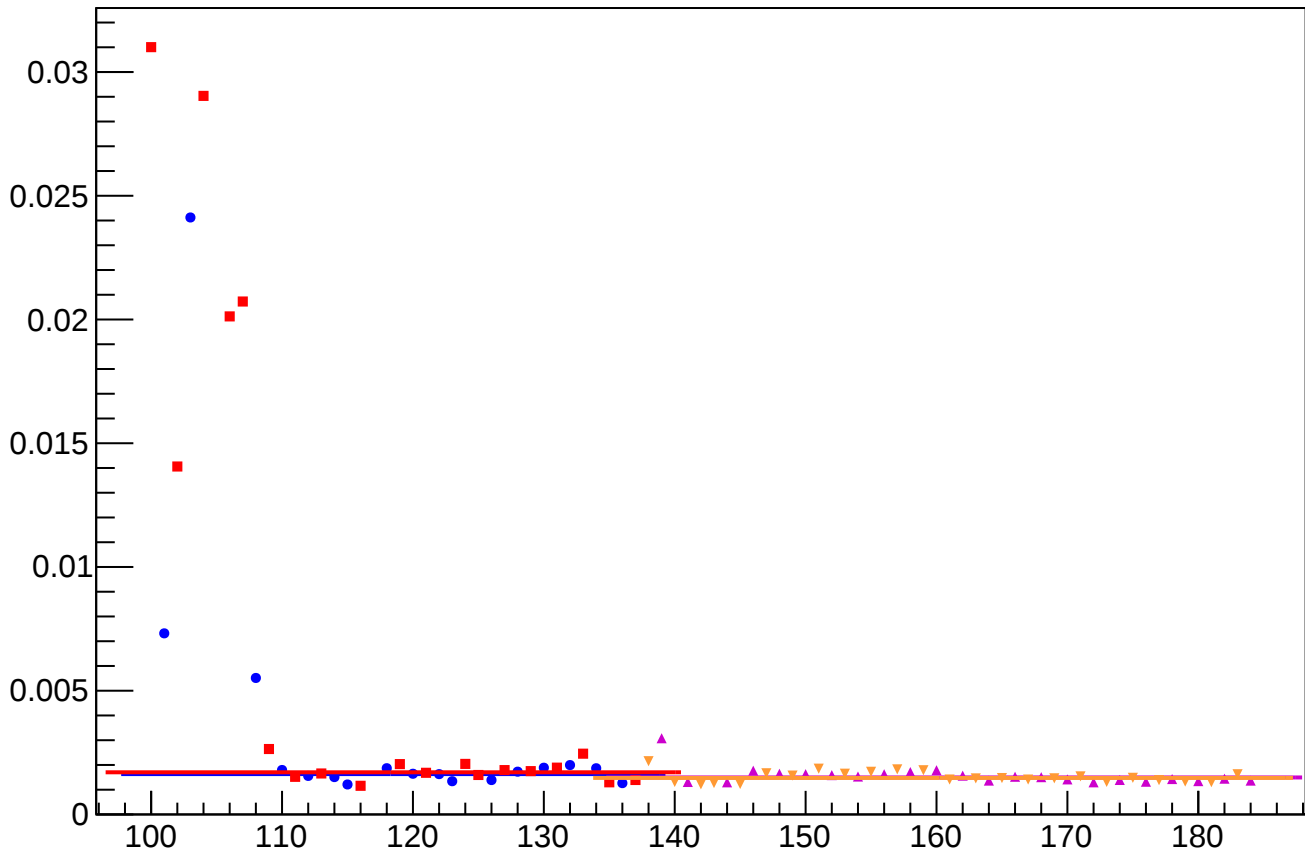
Left In: 0.001 ± 0.000 χ^2/NDF : 101439617.3/22

+ sign -0.000 ± 0.000 χ^2/NDF : 9947004109.6/40

All: 0.000 ± 0.000 χ^2/NDF : 13098583882.0/8

- sign 0.001 ± 0.000 χ^2/NDF : 3144733938.1/41

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:518701.9/23

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3024458.4/18

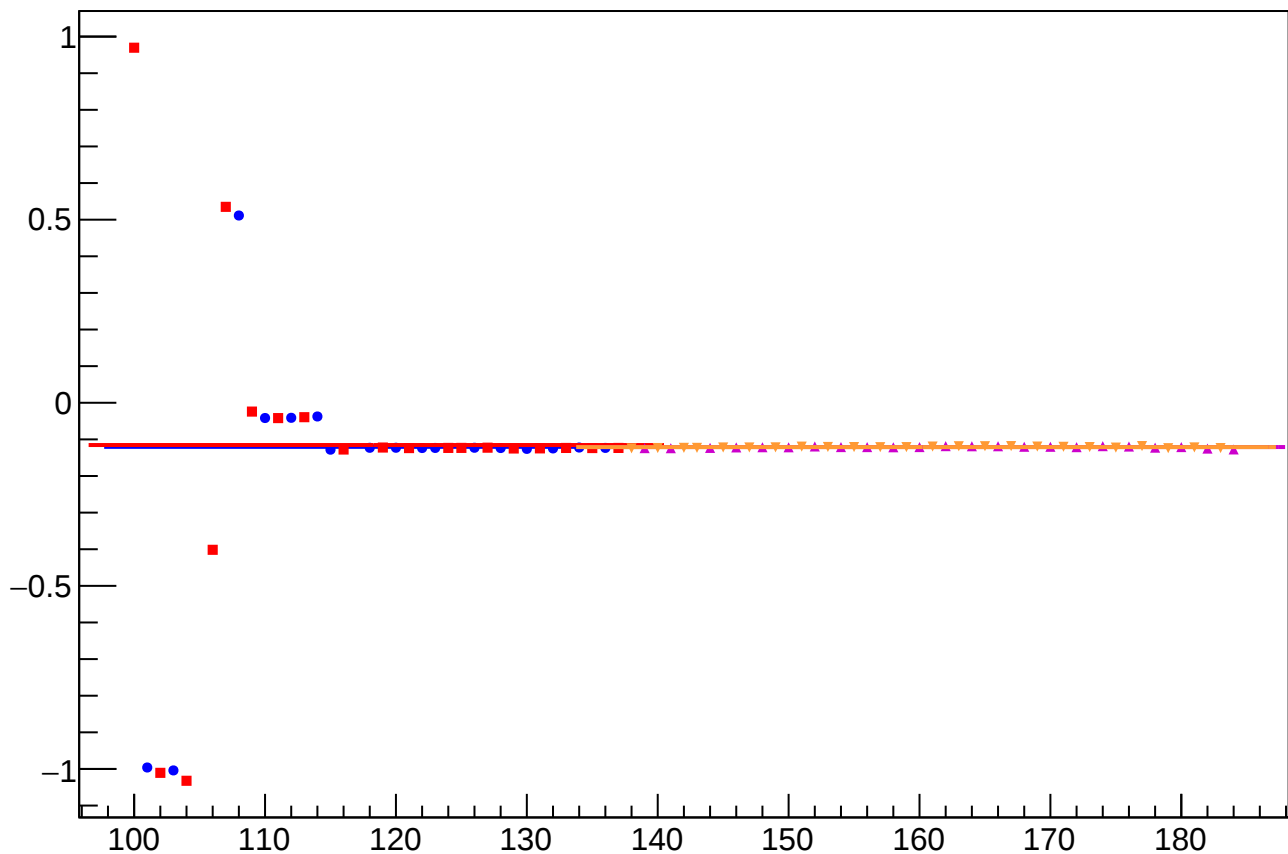
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:626044.8/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2505900.2/40

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6269861.4/82

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3757684.6/41

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 : 57382667.6/23

Right Out: -0.115+/-0.000 χ^2/NDF : 2456433698.5/18

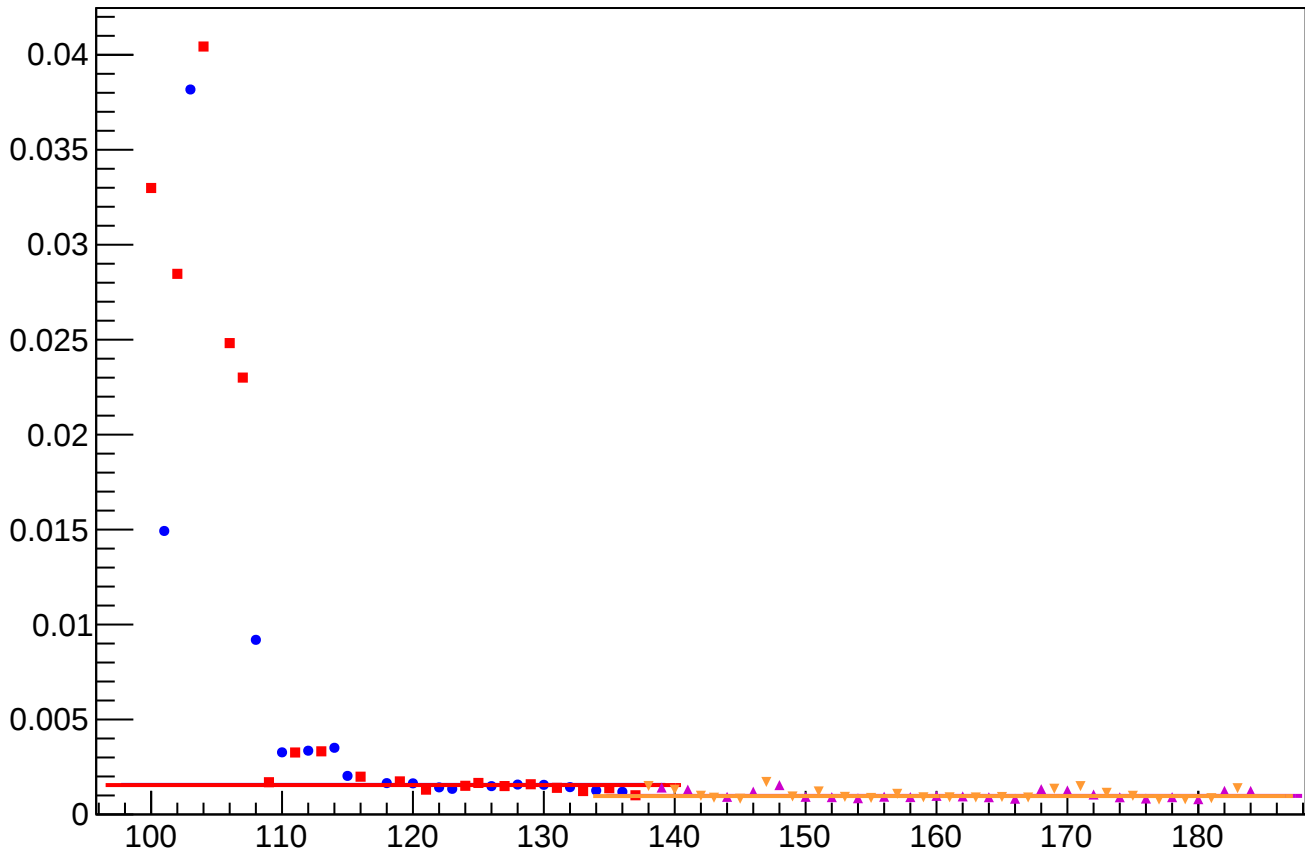
Left In: -0.121+/-0.000 χ^2/NDF : 52113932.9/22

+ sign -0.121+/-0.000 χ^2/NDF : 3991044806.2/40

All: -0.121+/-0.000 χ^2/NDF : 6555085991.3/8

- sign -0.120+/-0.000 χ^2/NDF : 2560167837.8/41

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:1345320.8/23

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3535649.7/18

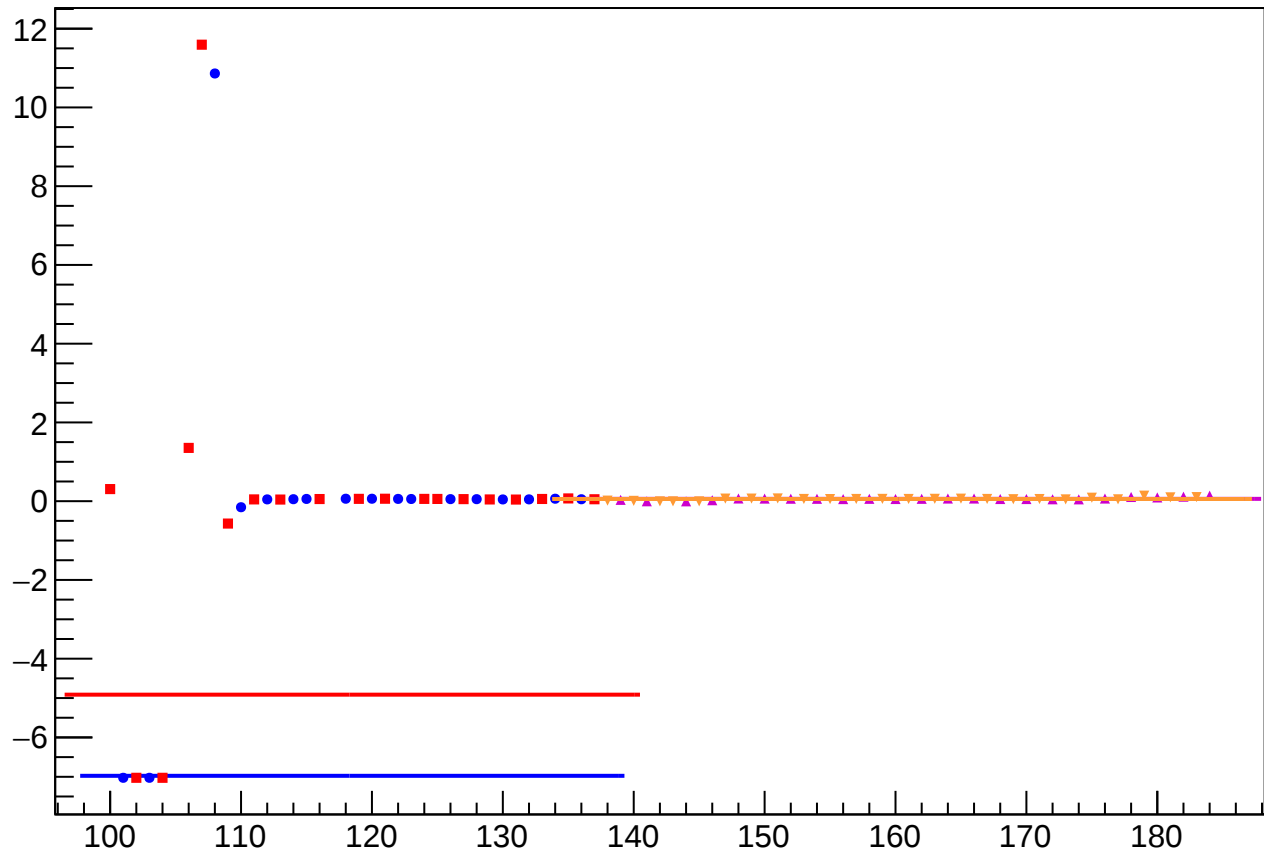
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:970801.8/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5427817.7/40

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 11041152.6/82

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5611257.2/41

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8797358006083.6/16

Left Out: 0.056 ± 0.000 χ^2/NDF : 235604050.4/23

Right Out: -4.914 ± 0.000 χ^2/NDF : 365352656389636.4/18

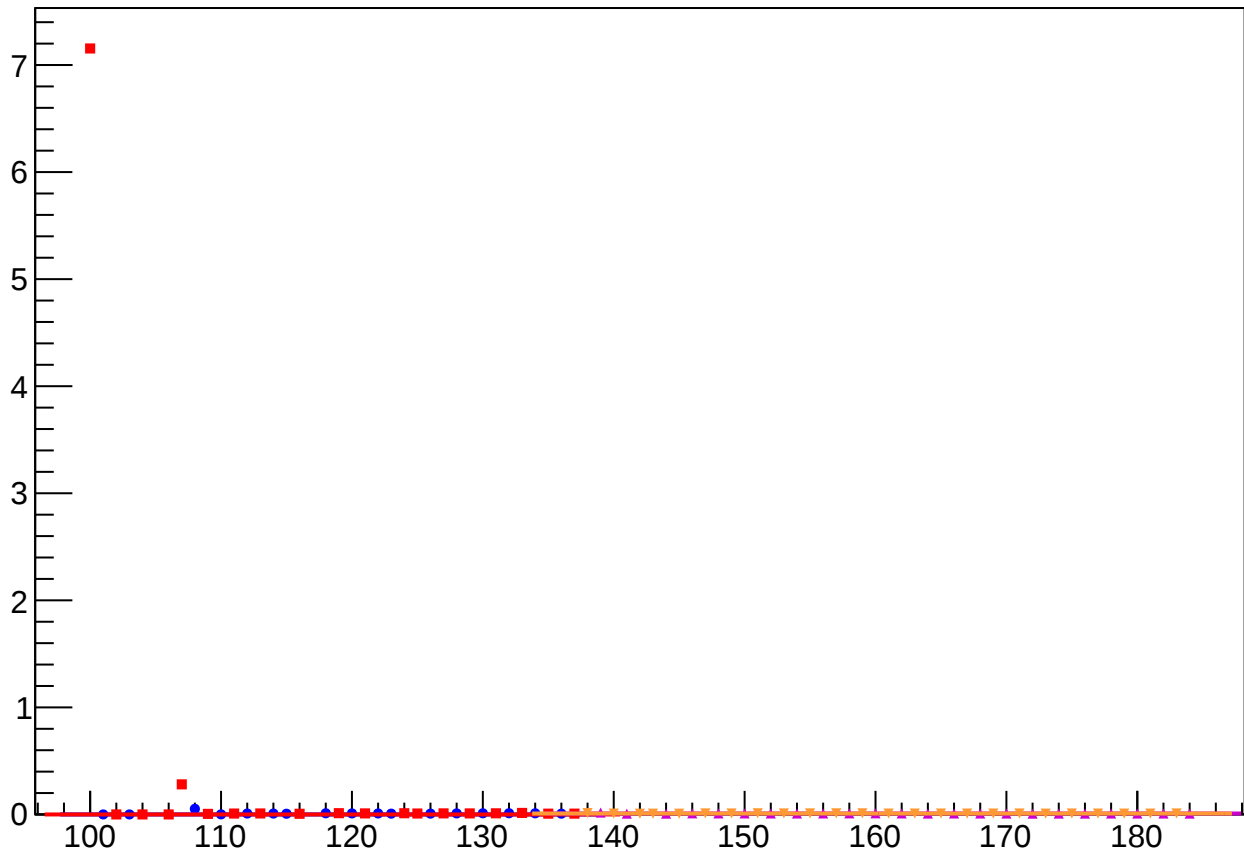
Left In: 0.059 ± 0.000 χ^2/NDF : 178541521.9/22

+ sign -6.922 ± 0.000 χ^2/NDF : 18157292467947.9/16

All: -5.859 ± 0.000 χ^2/NDF : 4433373937314.4/16

- sign -4.882 ± 0.000 χ^2/NDF : 369731677803020.2/16

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8350428.8/16

Left Out: 0.009+/-0.000 χ^2/NDF : 488308.3/23

Right Out: 0.000+/-0.000 χ^2/NDF : 8775433.1/18

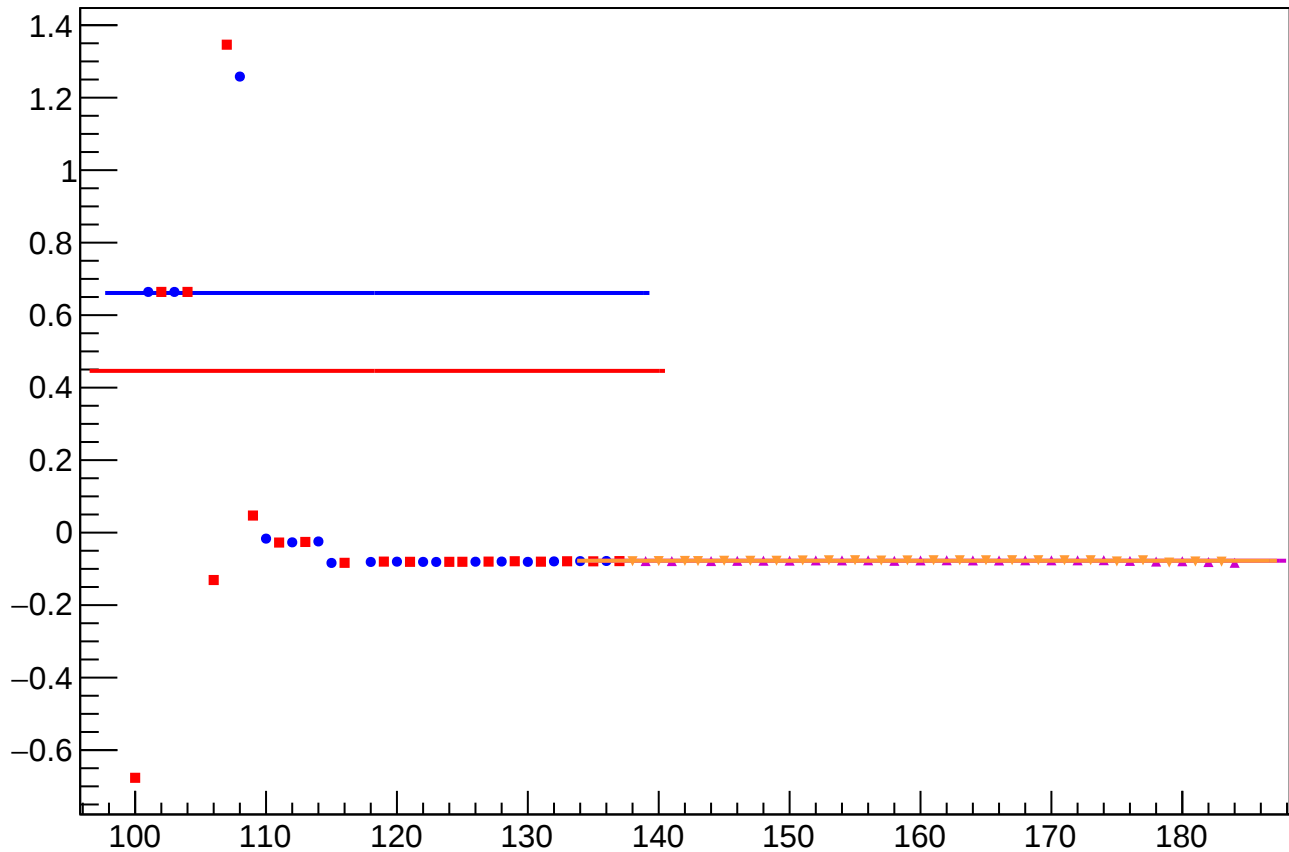
Left In: 0.009+/-0.000 χ^2/NDF : 602517.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 36701333.7/40

All: 0.000+/-0.000 χ^2/NDF : 72937533.1/82

- sign 0.000+/-0.000 χ^2/NDF : 36232405.9/41

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5658672217179.3/16

Left Out: -0.078+/-0.000 χ^2/NDF : 155978600.4/23

Right Out: 0.446+/-0.000 χ^2/NDF : 405428422570886.0/18

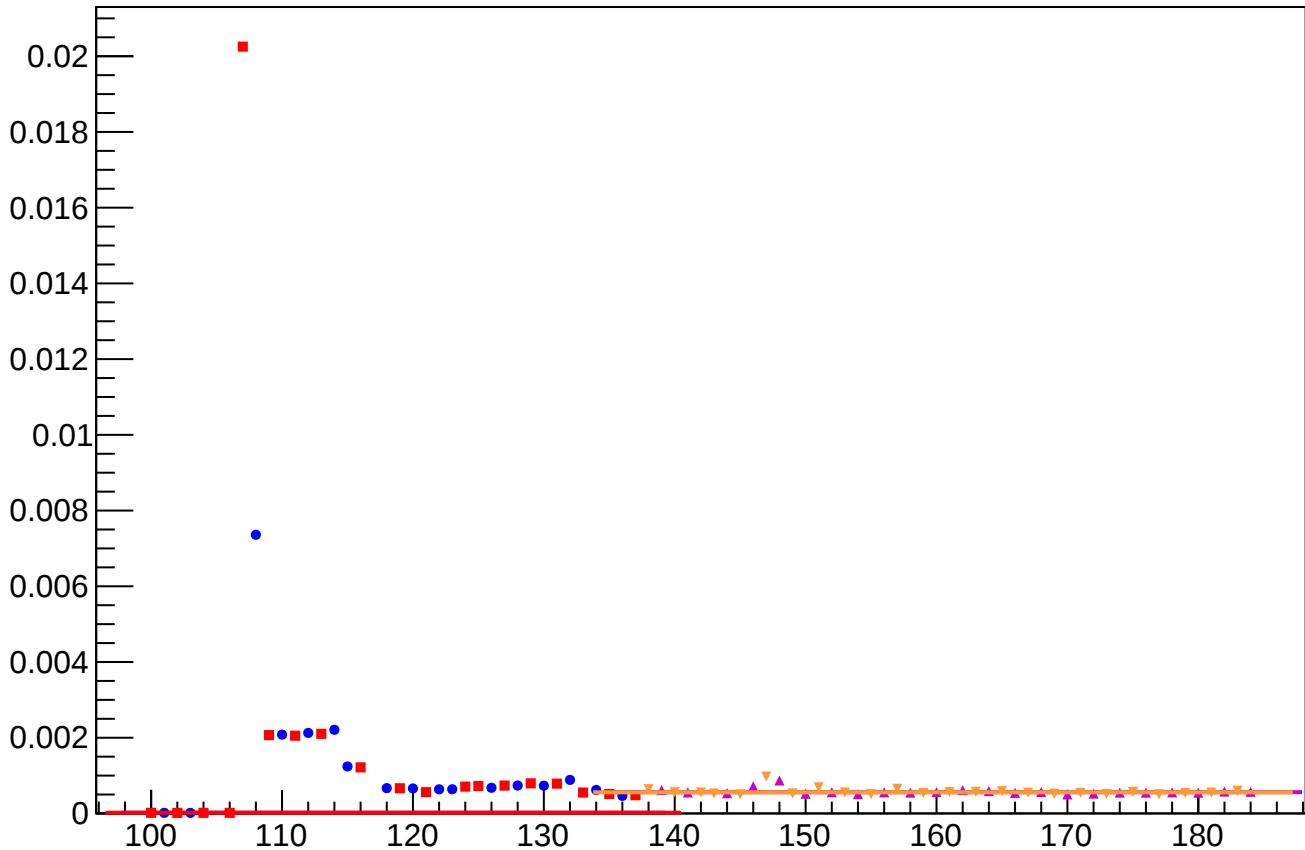
Left In: -0.077+/-0.000 χ^2/NDF : 110762924.1/22

+ sign 0.646+/-0.000 χ^2/NDF : 35084686821215.5/4

All: 0.537+/-0.000 χ^2/NDF : 51535957123134

- sign 0.437+/-0.000 χ^2/NDF : 419550481435111.4/4

yield_cav4dY_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 9958320.7/16

Left Out: 0.001 $\pm$ 0.000 χ^2/NDF : 463780.4/23

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 9460895.3/18

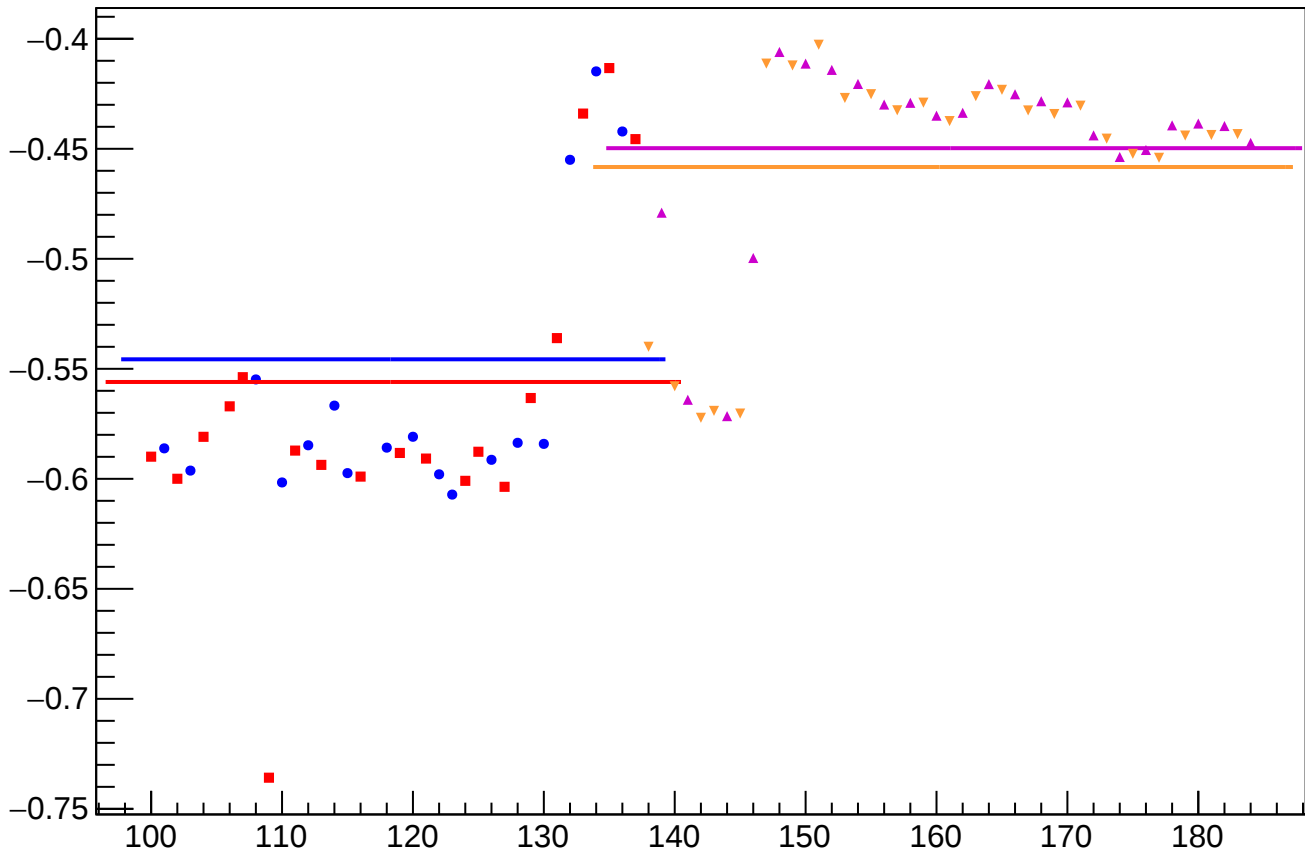
Left In: 0.001 $\pm$ 0.000 χ^2/NDF : 355509.7/22

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 41880491.8/40

All: 0.000 $\pm$ 0.000 χ^2/NDF : 82140628.7/82

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 40254384.3/41

yield_bpm4aX_mean vs Slug



Right In: -0.546+/-0.000 χ^2/NDF : 46331446.0/16

Left Out: -0.458+/-0.000 χ^2/NDF : 108067430.4/23

Right Out: -0.556+/-0.000 χ^2/NDF : 64058429.8/18

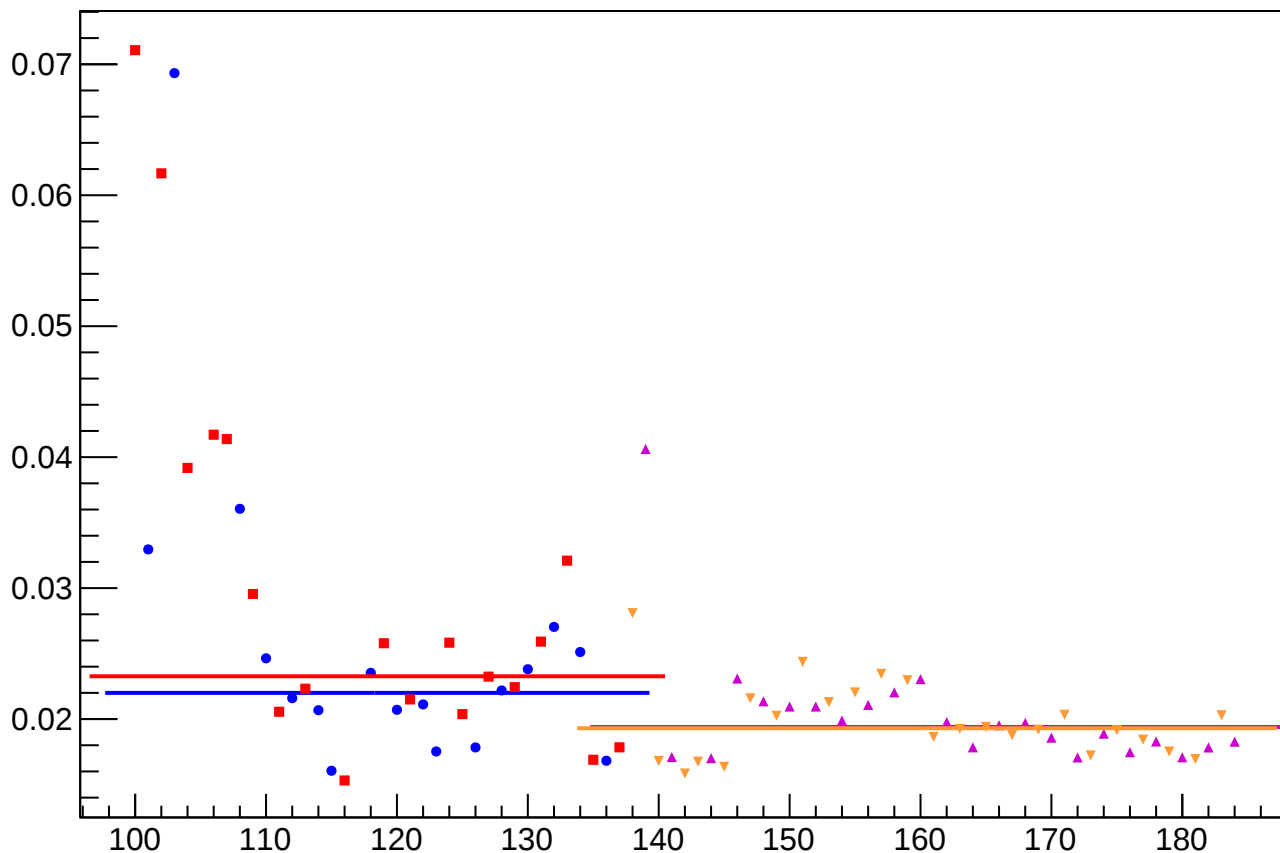
Left In: -0.450+/-0.000 χ^2/NDF : 76117957.8/22

+ sign -0.477+/-0.000 χ^2/NDF : 217789970.7/40

All: -0.474+/-0.000 χ^2/NDF : 446280758.2/82

- sign -0.472+/-0.000 χ^2/NDF : 227922689.1/41

yield_bpm4aX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 959677.4/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 478257.7/23

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1155060.8/18

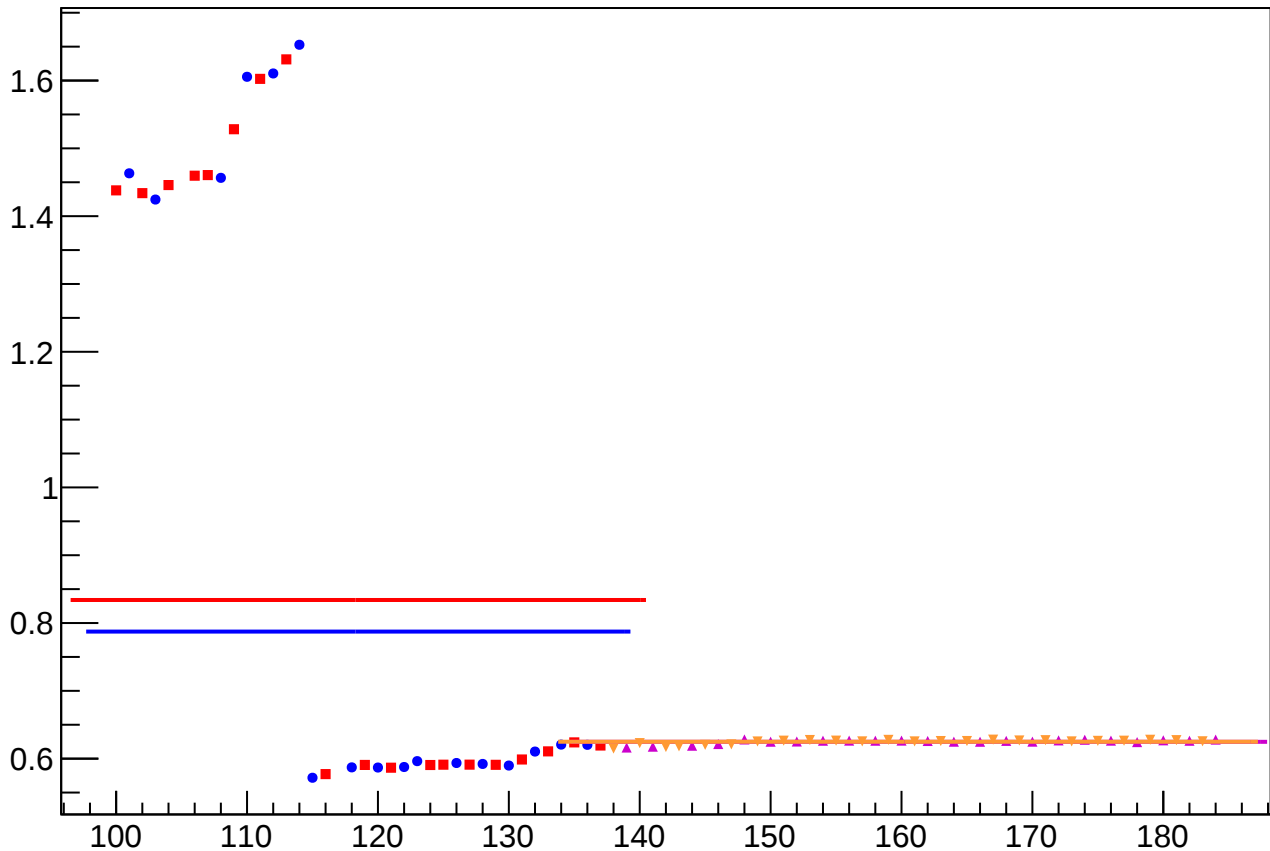
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 626443.5/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1559063.4/40

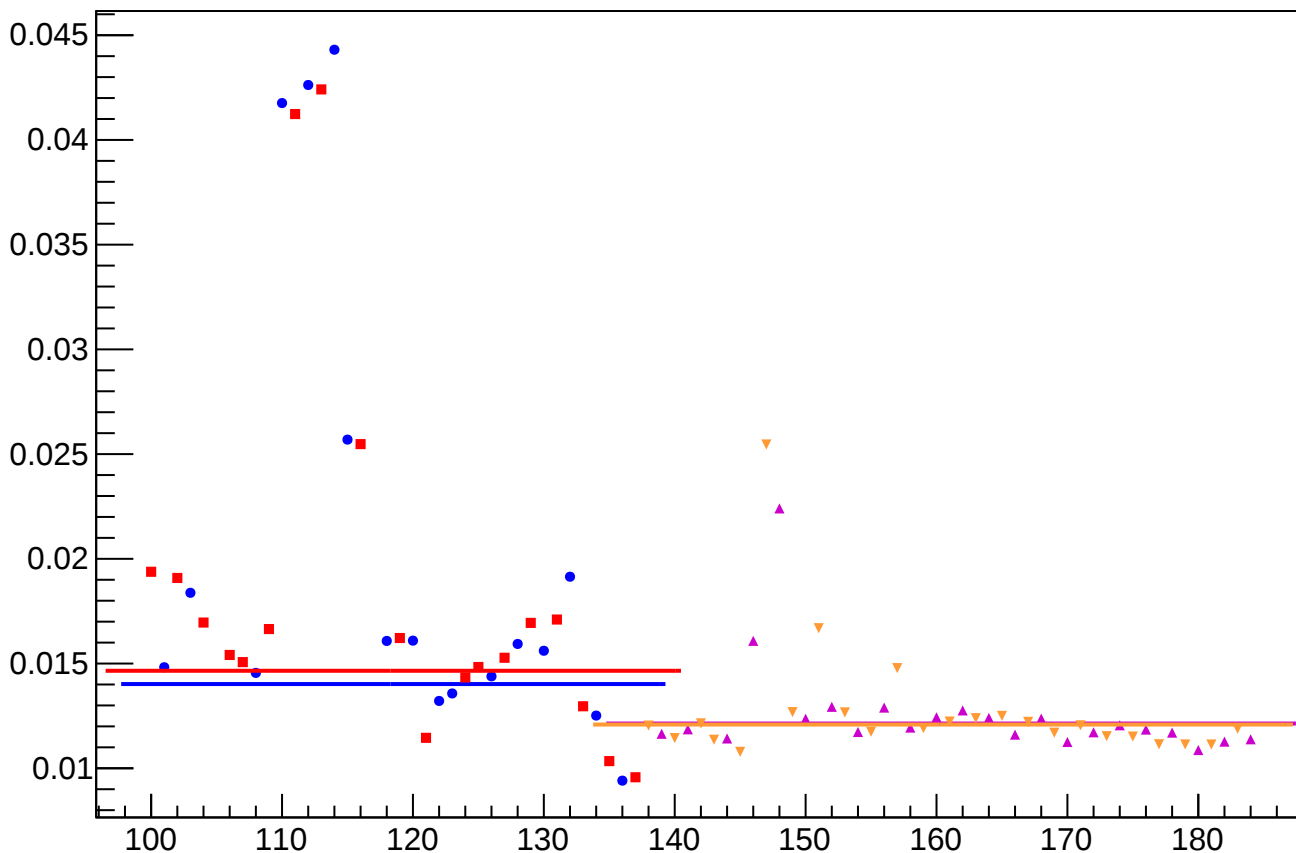
All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3578865.3/82

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 2014432.2/41

yield_bpm4aY_mean vs Slug



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: 654603.3/23

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1262071.4/18

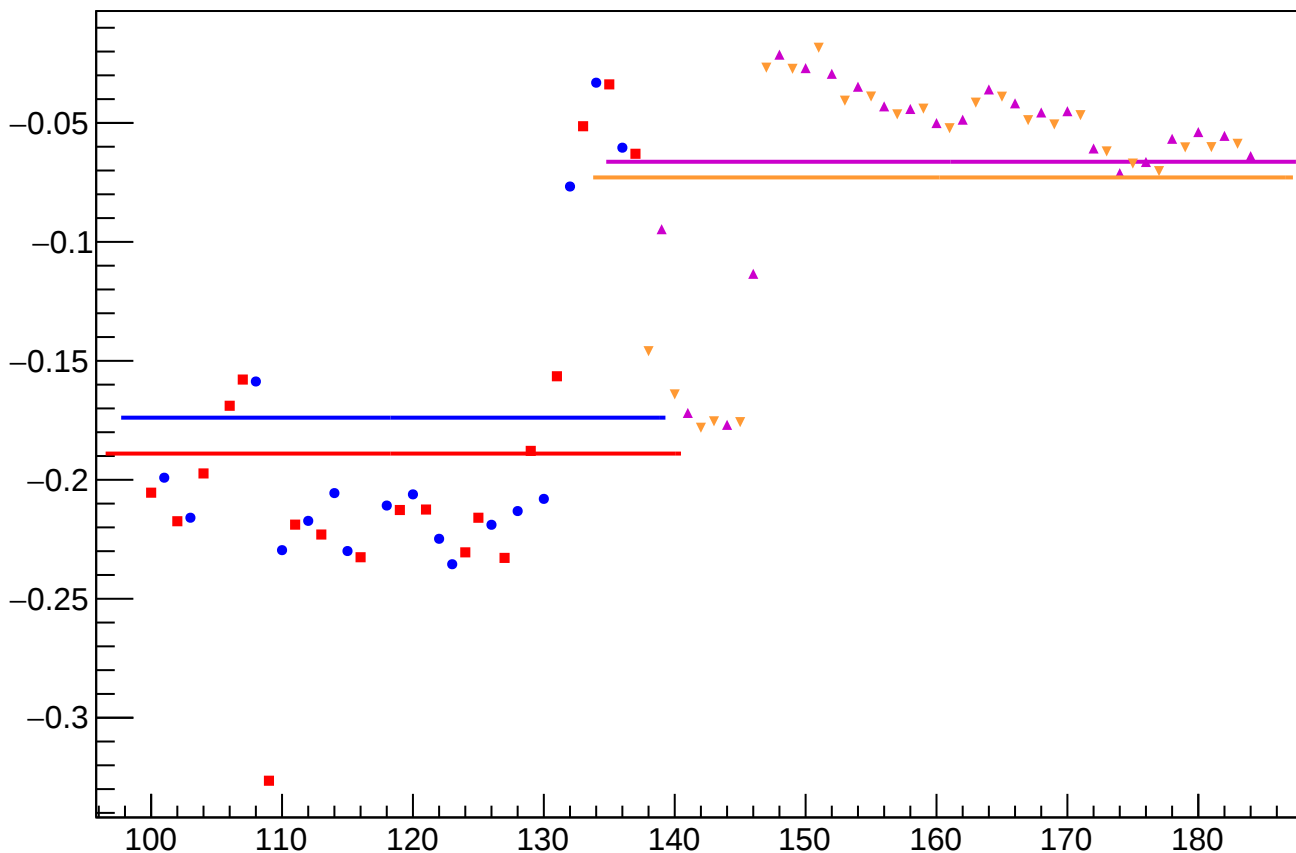
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 488363.6/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2227559.8/40

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4266078.2/82

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2034468.2/41

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: 102177580.7/23

Right Out: -0.189+/-0.000 χ^2 /NDF: 81975900.9/18

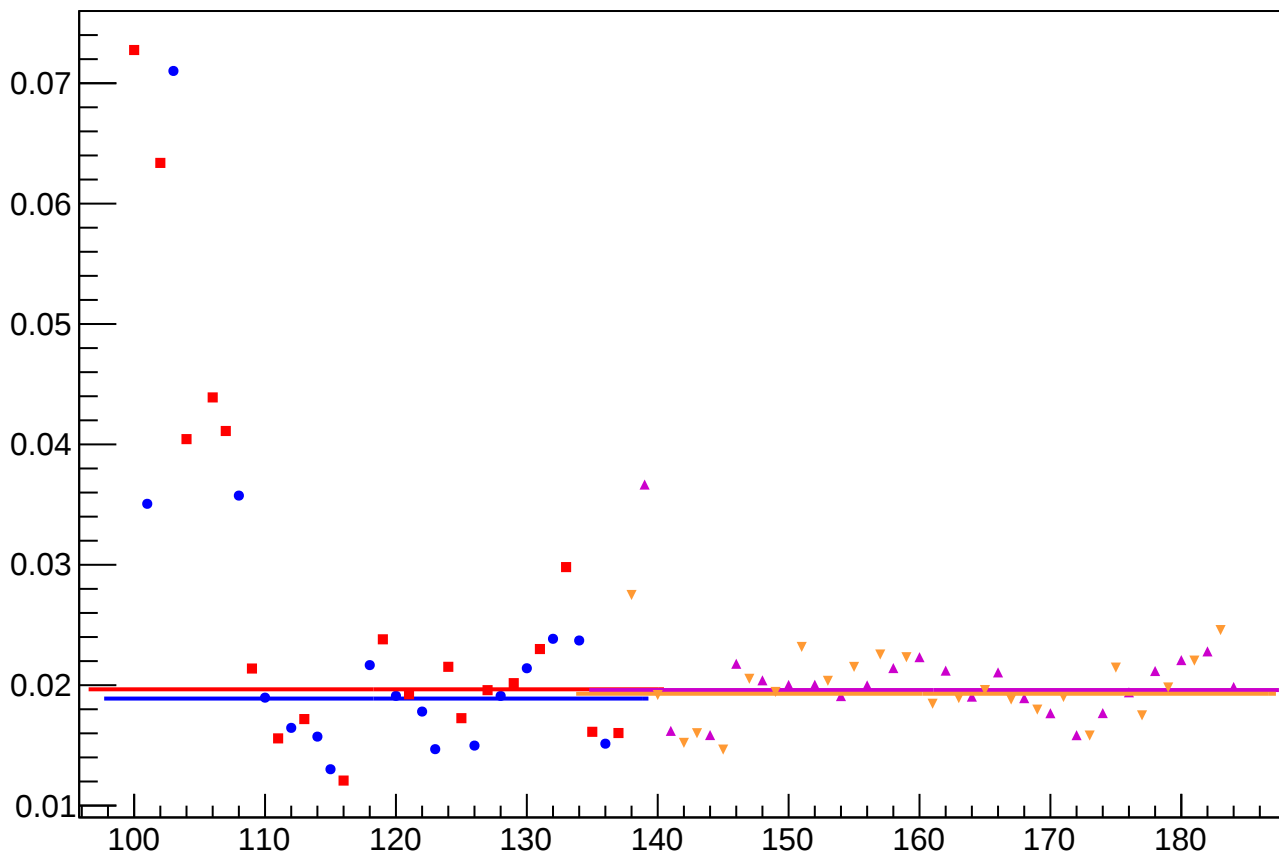
Left In: -0.066+/-0.000 χ^2 /NDF: 76243051.8/22

+ sign -0.099+/-0.000 χ^2 /NDF: 274624014.5/40

All: -0.099+/-0.000 χ^2 /NDF: 581003964.0/82

- sign -0.099+/-0.000 χ^2 /NDF: 306377068.3/41

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 : 591620.7/23

Right Out: 0.020+/-0.000 χ^2/NDF : 1454143.7/18

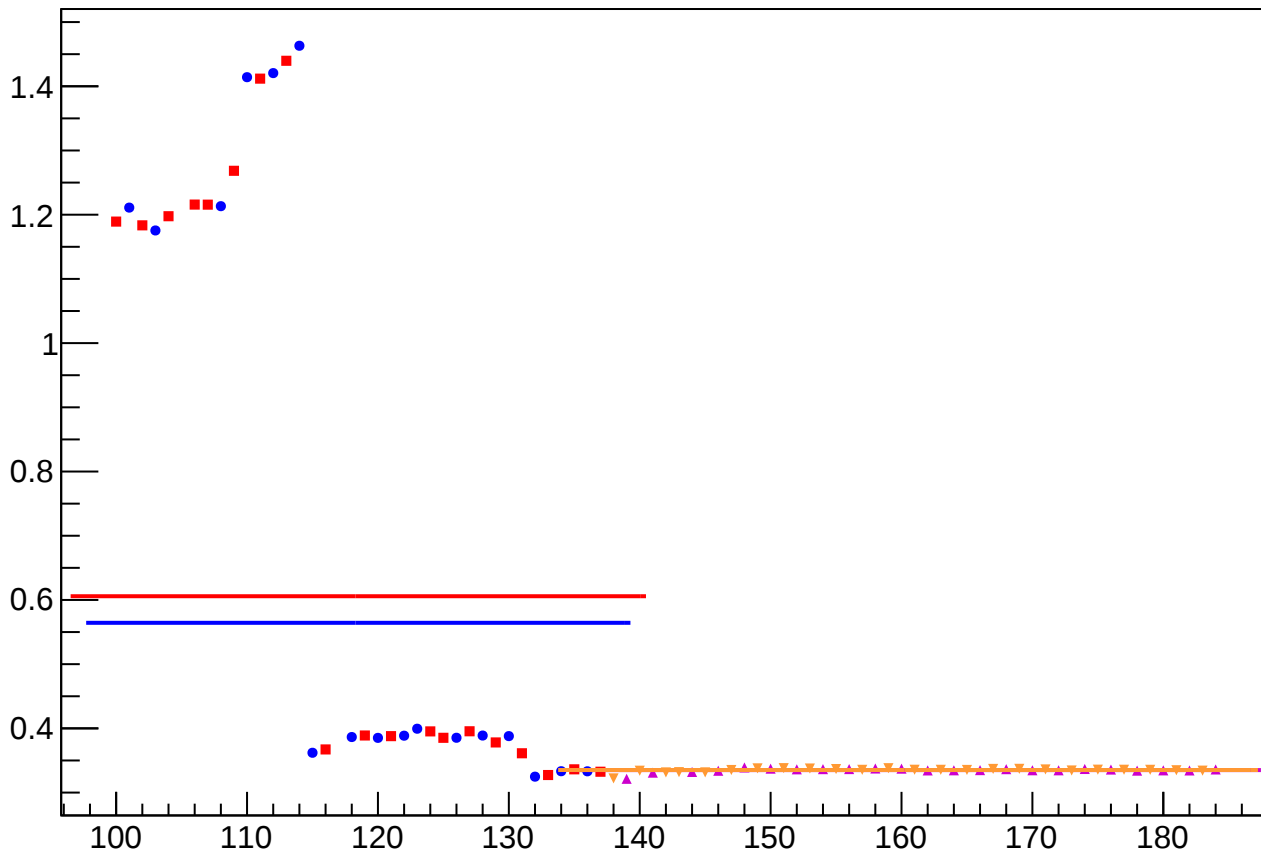
Left In: 0.020+/-0.000 χ^2/NDF : 623148.2/22

+ sign 0.019+/-0.000 χ^2/NDF : 1806751.0/40

All: 0.019+/-0.000 χ^2/NDF : 3893719.9/82

- sign 0.020+/-0.000 χ^2/NDF : 2077361.7/41

yield_bpm4eY_mean vs Slug



Right In: 0.564 $\pm$ 0.000 χ^2 /NDF: 5040911893.3/16

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1141358.6/23

+ sign 0.385 $\pm$ 0.000 χ^2 /NDF: 6613954809.5/40

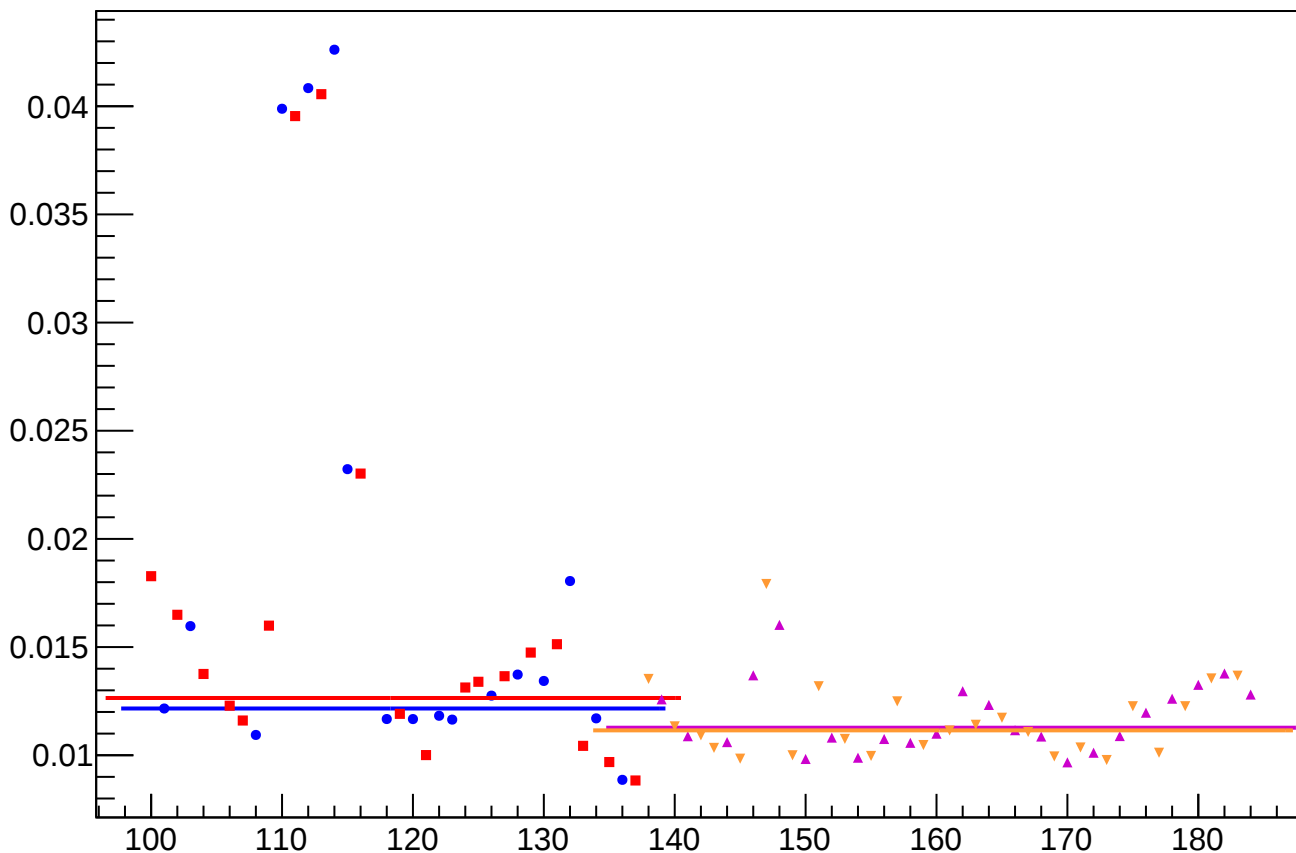
Right Out: 0.606 $\pm$ 0.000 χ^2 /NDF: 5529469116.6/18

All: 0.390 $\pm$ 0.000 χ^2 /NDF: 14251615268.8/8

- sign 0.395 $\pm$ 0.000 χ^2 /NDF: 7629440828.0/41

Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1202194.8/22

yield_bpm4eY_rms vs Slug



Right In: 0.012 ± 0.000 χ^2/NDF : 1304124.1/16

Left Out: 0.011 ± 0.000 χ^2/NDF : 592150.1/23

Right Out: 0.013 ± 0.000 χ^2/NDF : 1268972.5/18

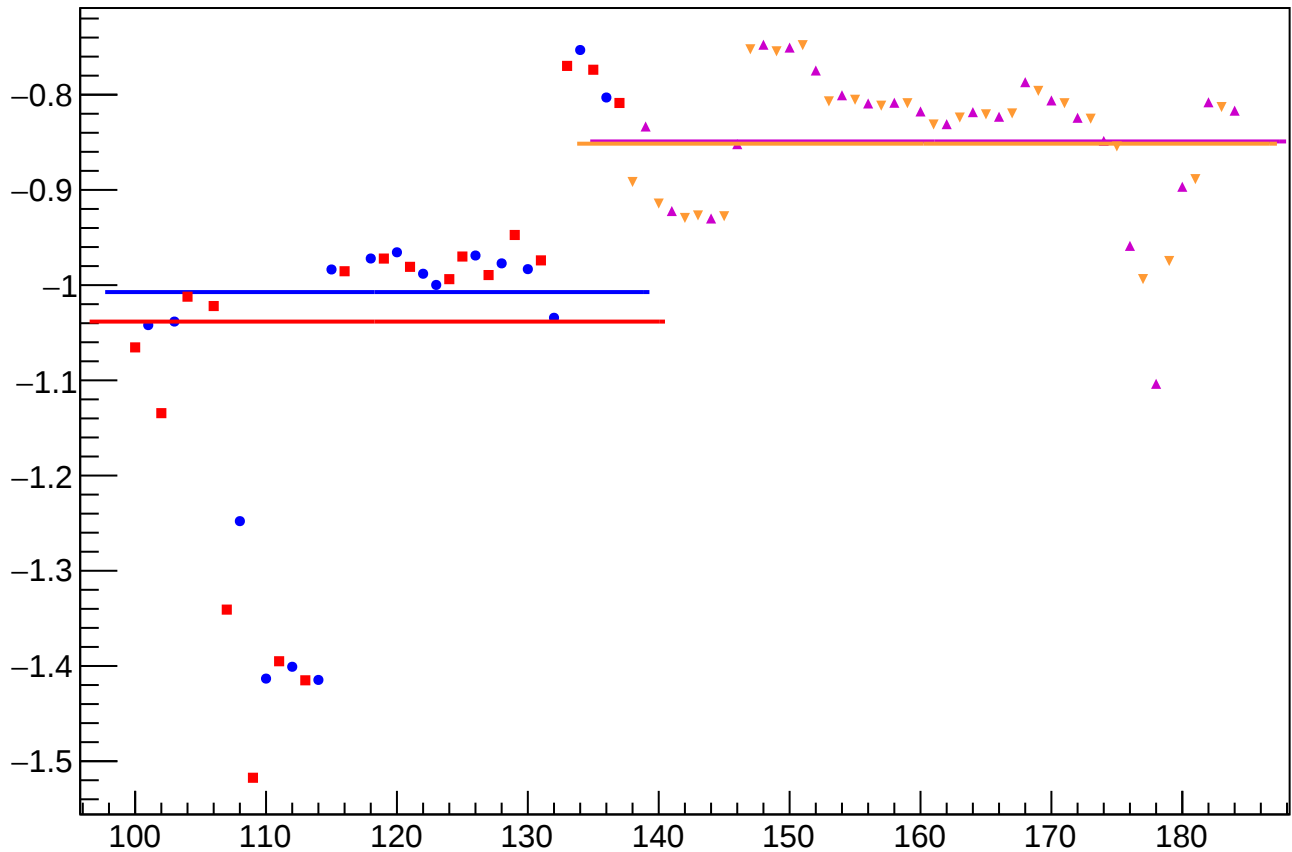
Left In: 0.011 ± 0.000 χ^2/NDF : 502455.5/22

+ sign 0.011 ± 0.000 χ^2/NDF : 1957416.9/40

All: 0.011 ± 0.000 χ^2/NDF : 3844172.2/82

- sign 0.012 ± 0.000 χ^2/NDF : 1879483.2/41

yield_bpm4acX_mean vs Slug



Right In: -1.007 ± 0.000 χ^2/NDF : 393589325.7/16

Left Out: -0.851 ± 0.000 χ^2/NDF : 185577555.1/23

Right Out: -1.038 ± 0.000 χ^2/NDF : 535629570.0/18

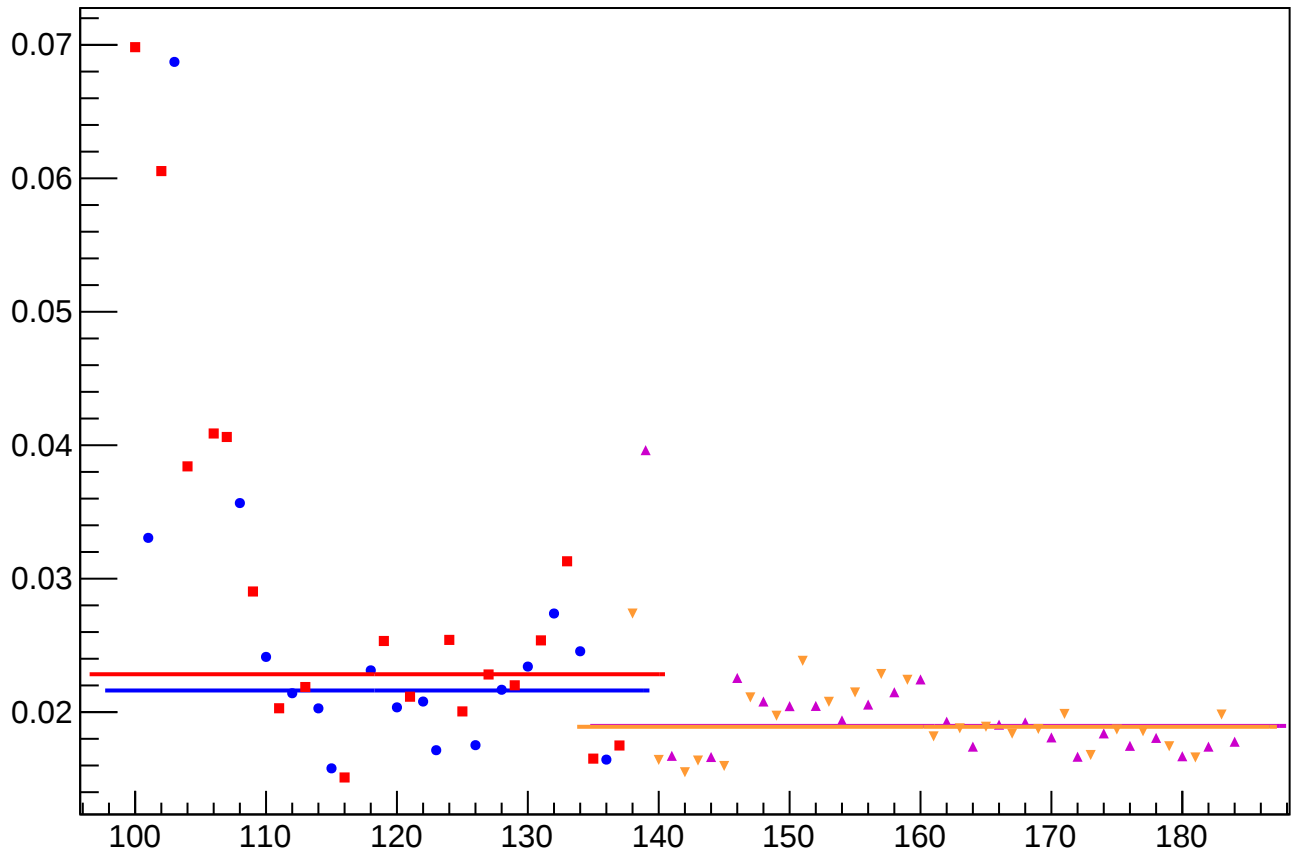
Left In: -0.849 ± 0.000 χ^2/NDF : 256391274.4/22

+ sign -0.884 ± 0.000 χ^2/NDF : 787808964.5/40

All: -0.886 ± 0.000 χ^2/NDF : 1868876914.3/8

- sign -0.888 ± 0.000 χ^2/NDF : 1080648382.9/41

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: 466692.1/23

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1150914.8/18

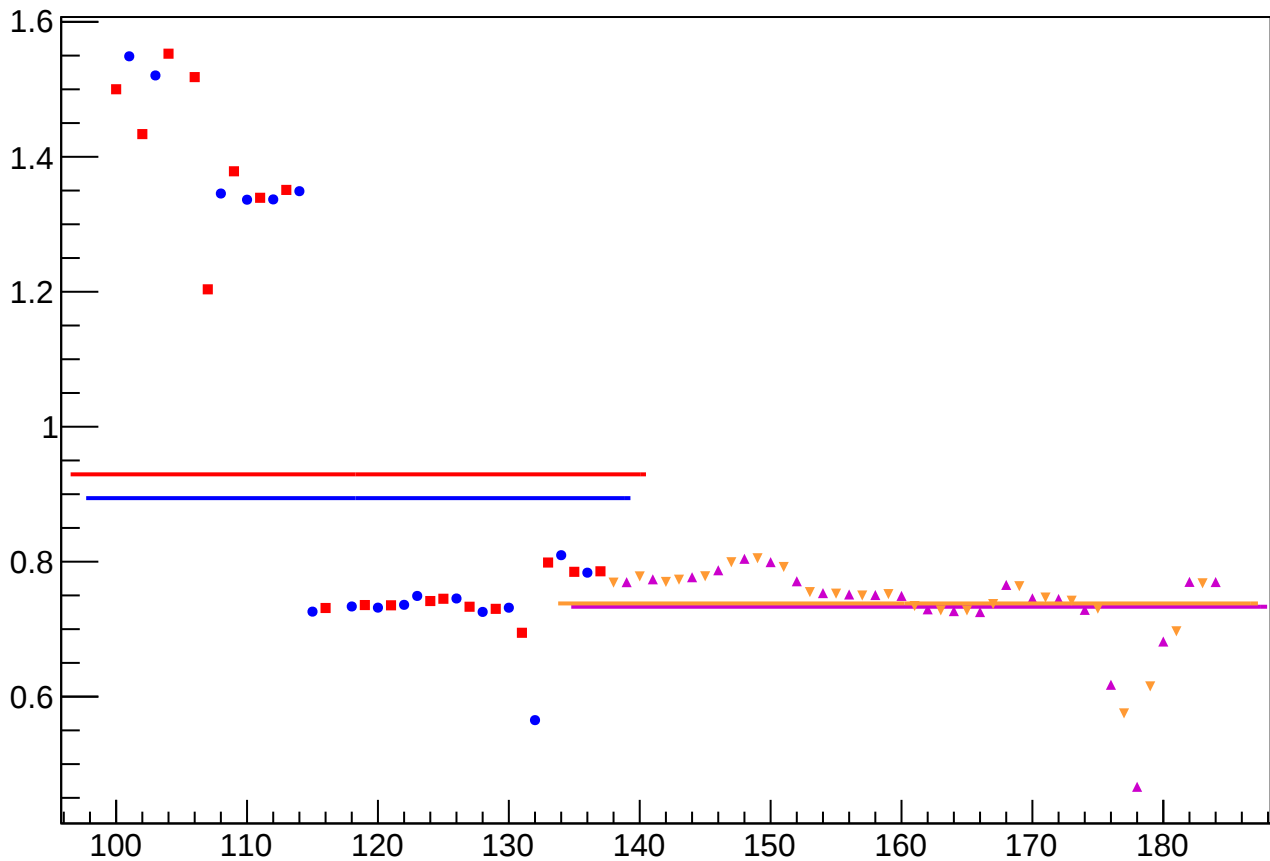
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 615173.8/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1578435.3/40

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3590685.1/82

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 2007819.2/41

yield_bpm4acY_mean vs Slug



Right In: 0.894+/-0.000 χ^2/NDF : 2399022212.9/16

Left Out: 0.738+/-0.000 χ^2/NDF : 330167858.4/23

+ sign 0.768+/-0.000 χ^2/NDF : 3274591743.9/40

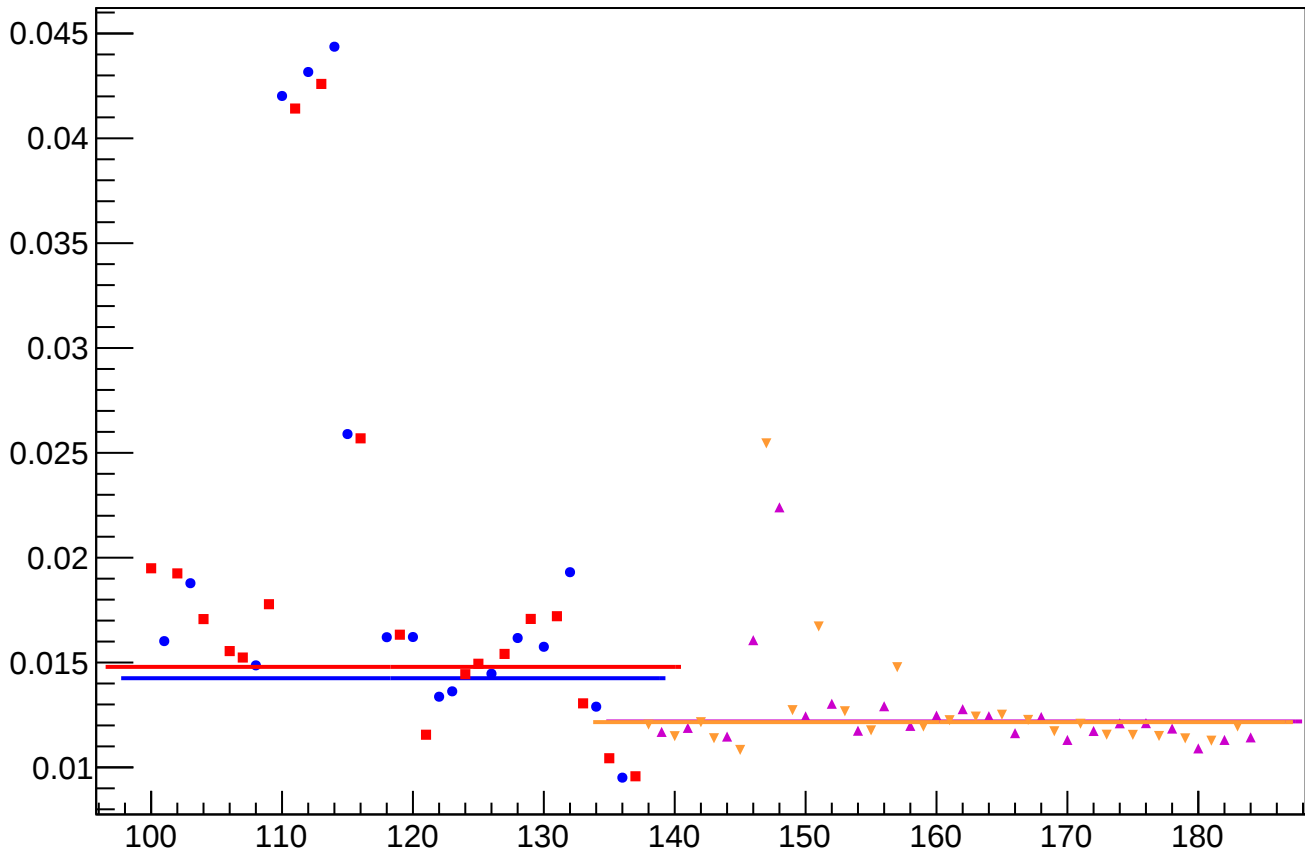
Right Out: 0.929+/-0.000 χ^2/NDF : 2422023767.8/18

All: 0.770+/-0.000 χ^2/NDF : 7111765357.2/82

- sign 0.772+/-0.000 χ^2/NDF : 3836289346.8/41

Left In: 0.733+/-0.000 χ^2/NDF : 569611347.7/22

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:634656.9/23

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1271820.6/18

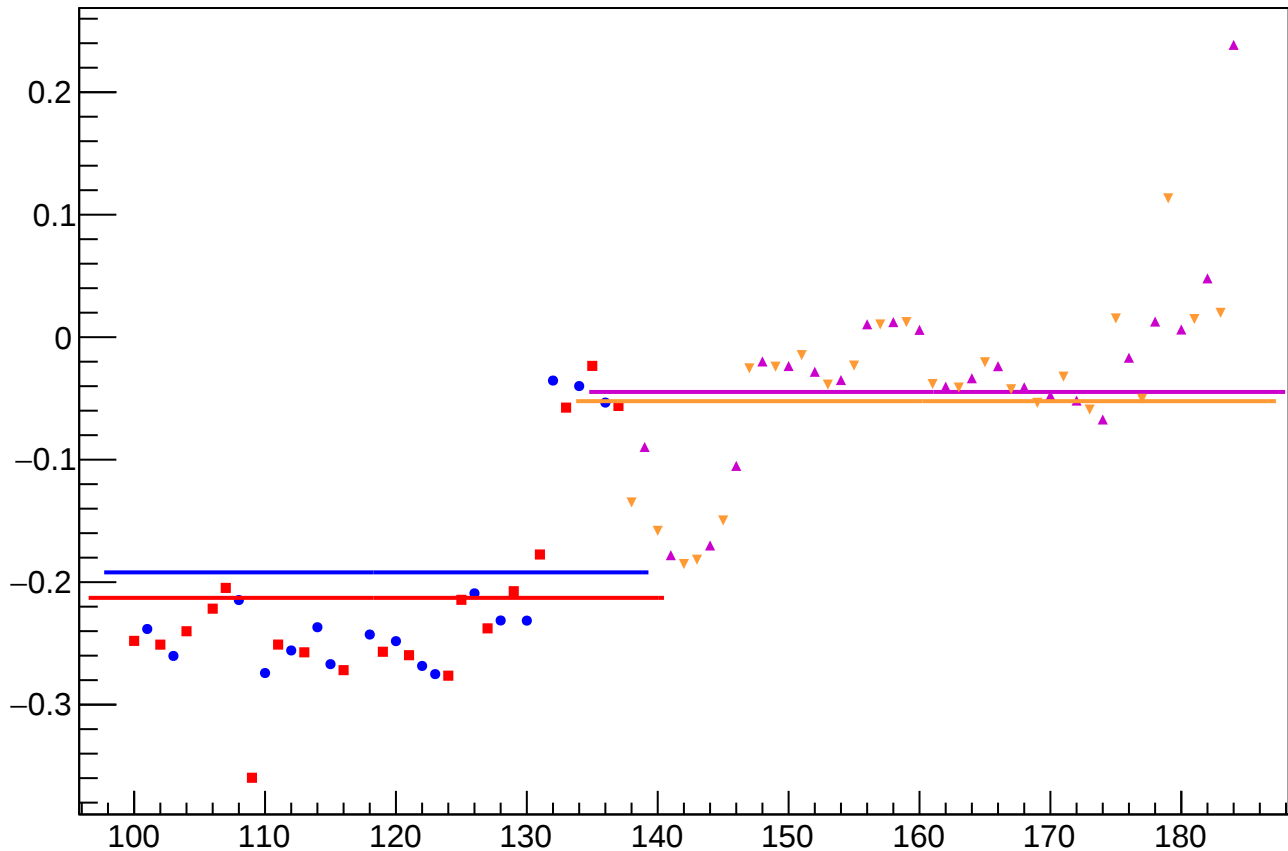
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:481830.1/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2240877.2/40

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4294263.0/82

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2050629.6/41

yield_bpm4ecX_mean vs Slug



Right In: -0.192 ± 0.000 χ^2/NDF : 106200458.9/16

Left Out: -0.052 ± 0.000 χ^2/NDF : 158990296.7/23

Right Out: -0.213 ± 0.000 χ^2/NDF : 110522593.6/18

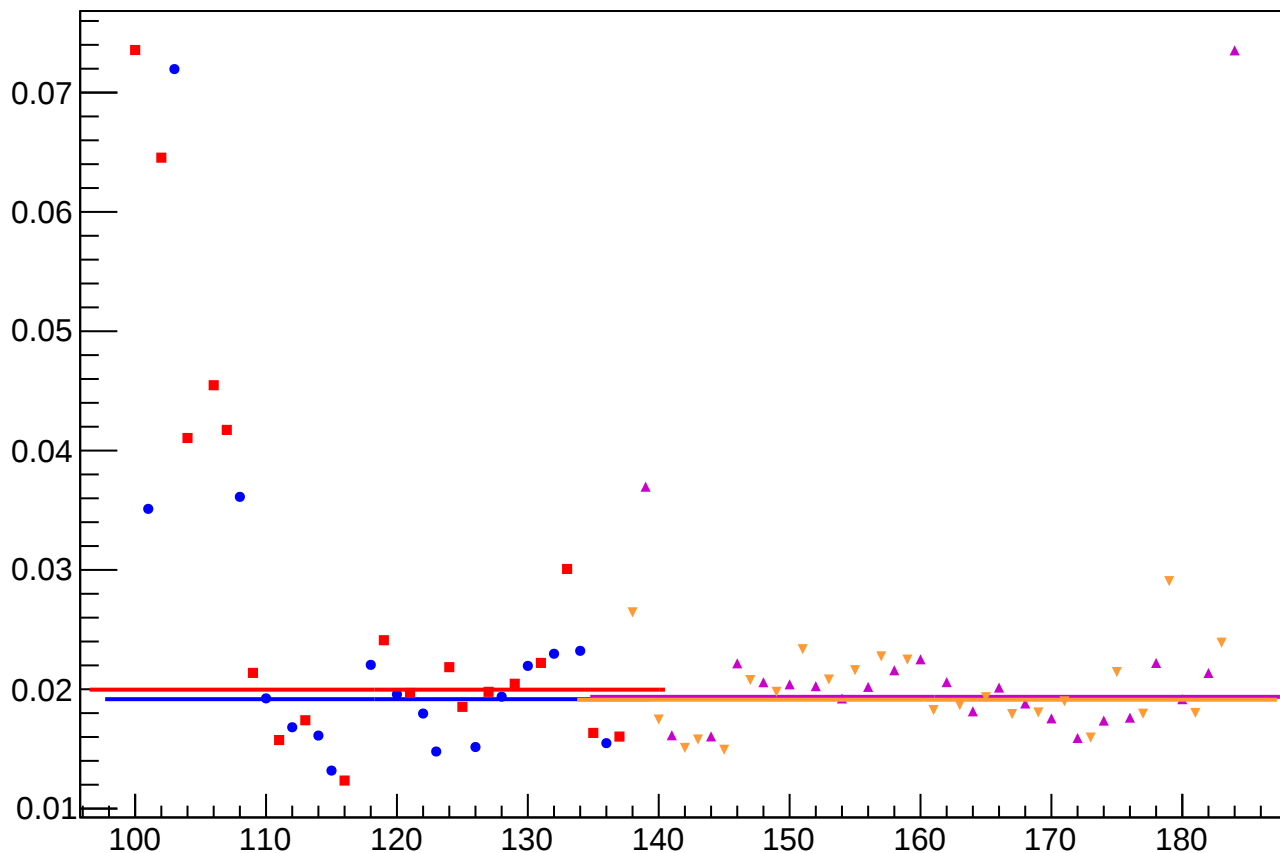
Left In: -0.045 ± 0.000 χ^2/NDF : 127192425.2/22

+ sign -0.088 ± 0.000 χ^2/NDF : 462744616.3/40

All: -0.088 ± 0.000 χ^2/NDF : 971731768.0/82

- sign -0.088 ± 0.000 χ^2/NDF : 508986806.1/41

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: 656960.0/23

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1445067.6/18

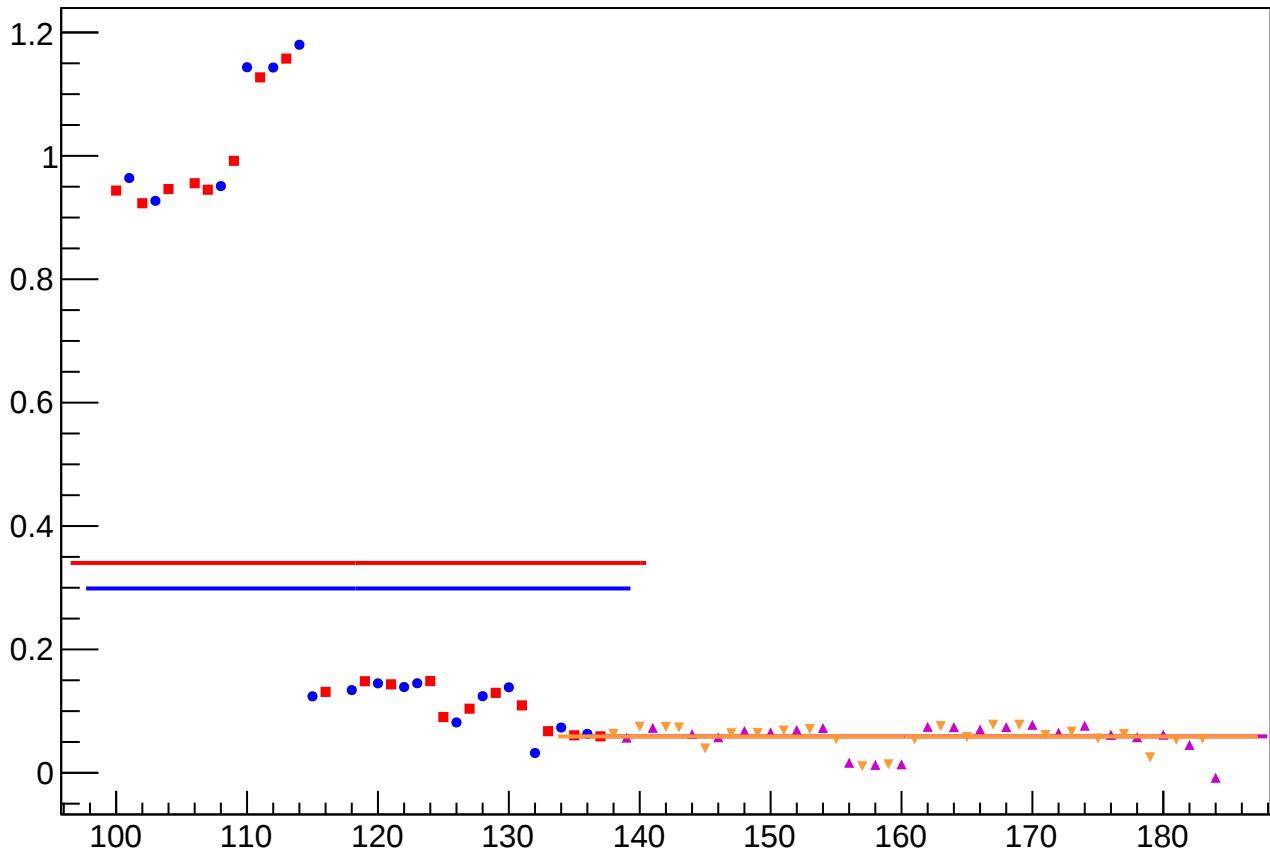
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 858216.8/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1839756.5/40

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 4157691.8/82

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 2310239.5/41

yield_bpm4ecY_mean vs Slug



Right In: 0.299+/-0.000 χ^2/NDF : 5180137730.5/16

Left Out: 0.059+/-0.000 χ^2/NDF : 46200697.6/23

Right Out: 0.340+/-0.000 χ^2/NDF : 5473541358.4/18

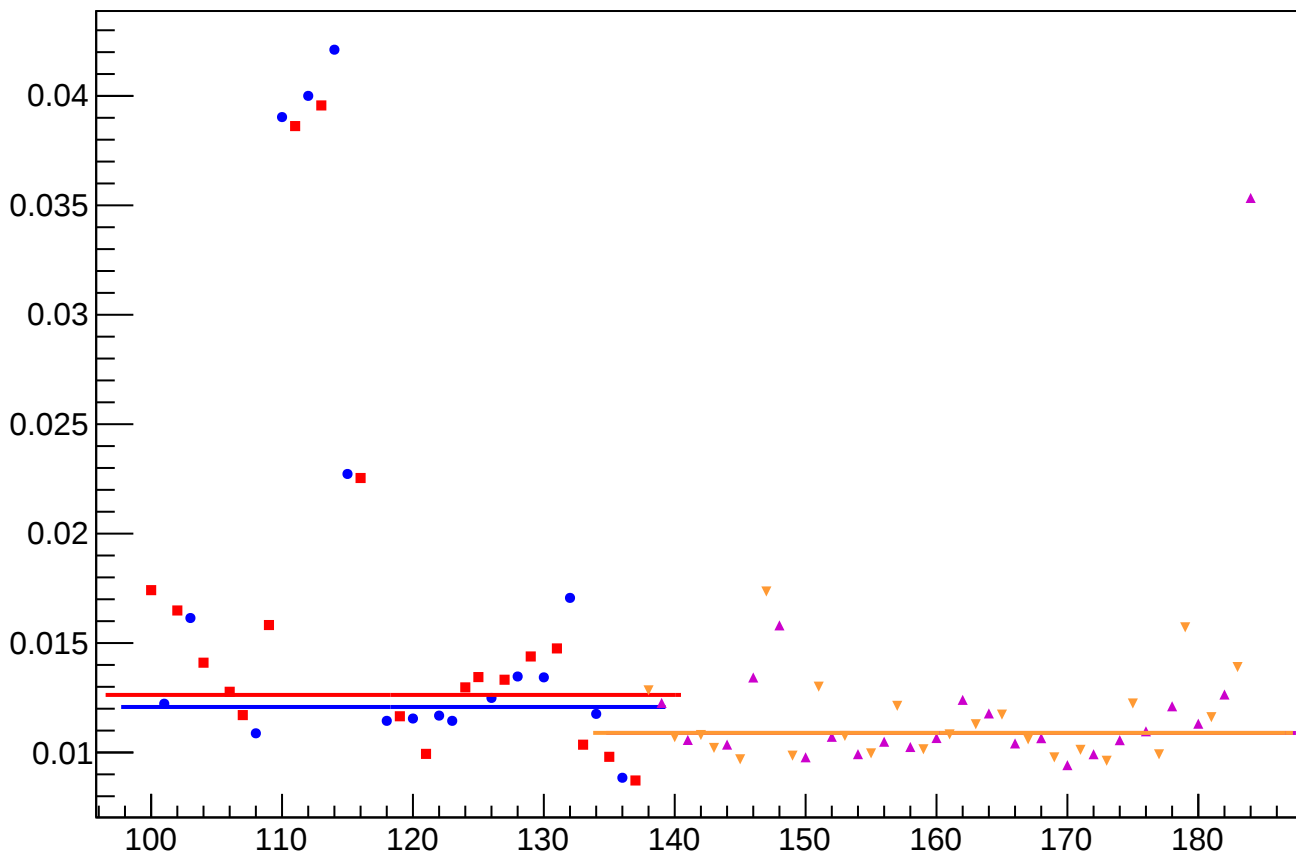
Left In: 0.059+/-0.000 χ^2/NDF : 58518655.0/22

+ sign 0.111+/-0.000 χ^2/NDF : 6974156169.8/40

All: 0.115+/-0.000 χ^2/NDF : 14801202092.3/80

- sign 0.119+/-0.000 χ^2/NDF : 7821262127.7/41

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1276713.5/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:593314.2/23

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1235880.5/18

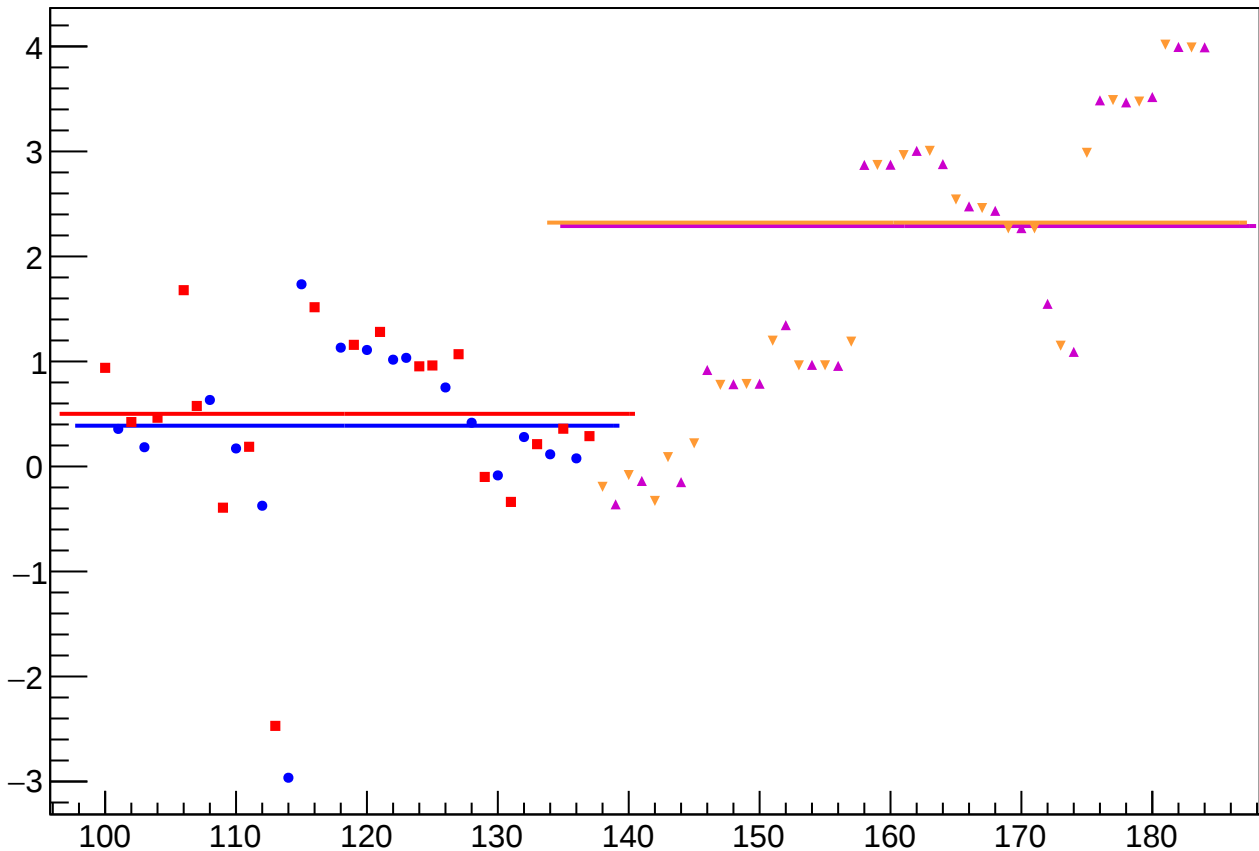
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:530077.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1955131.1/40

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3898309.1/82

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1941029.0/41

yield_bpm1X_mean vs Slug



Right In: 0.388 $\pm$ 0.000 χ^2 /NDF: 245257258.4/16

Left Out: 2.322 $\pm$ 0.000 χ^2 /NDF:60325936365.1/23

Right Out: 0.501 $\pm$ 0.000 χ^2 /NDF: 983034937.0/18

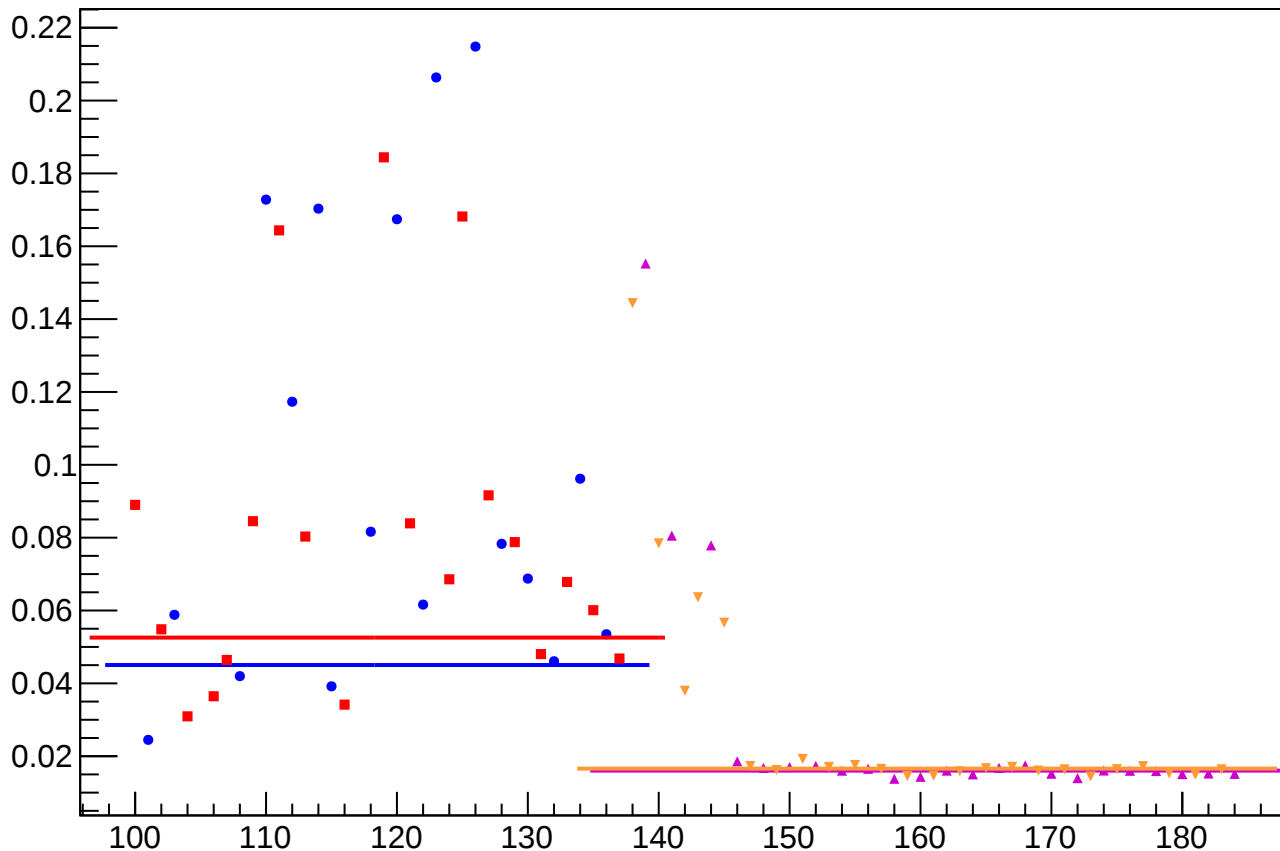
Left In: 2.290 $\pm$ 0.000 χ^2 /NDF:60875537647.3/22

+ sign 2.257 $\pm$ 0.000 χ^2 /NDF: 66886951769.7/40

All: 2.248 $\pm$ 0.000 χ^2 /NDF: 133386634699.3

- sign 2.240 $\pm$ 0.000 χ^2 /NDF: 66491848031.9/41

yield_bpm1X_rms vs Slug



Right In: 0.045 $\pm$ 0.000 χ^2 /NDF: 2830669.1/16

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2809705.5/23

Right Out: 0.053 $\pm$ 0.000 χ^2 /NDF: 2177690.7/18

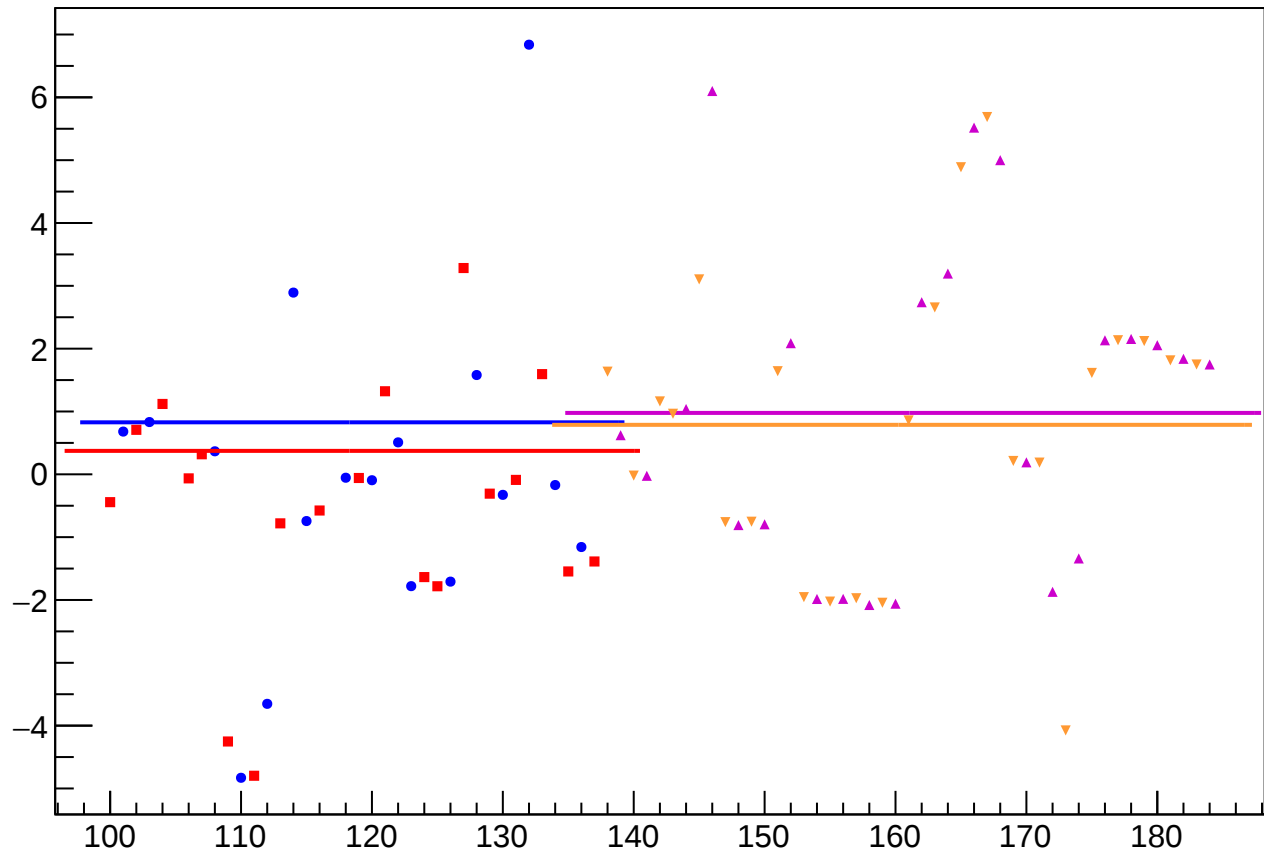
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2394376.5/22

+ sign 0.018 $\pm$ 0.000 χ^2 /NDF: 8371845.0/40

All: 0.017 $\pm$ 0.000 χ^2 /NDF: 16820581.4/82

- sign 0.017 $\pm$ 0.000 χ^2 /NDF: 8436183.6/41

yield_bpm1Y_mean vs Slug



Right In: 0.828 ± 0.000 χ^2/NDF : 10934615588.5/16

Left Out: 0.788 ± 0.000 χ^2/NDF : 506167947074.3/23

Right Out: 0.373 ± 0.000 χ^2/NDF : 4968052358.8/18

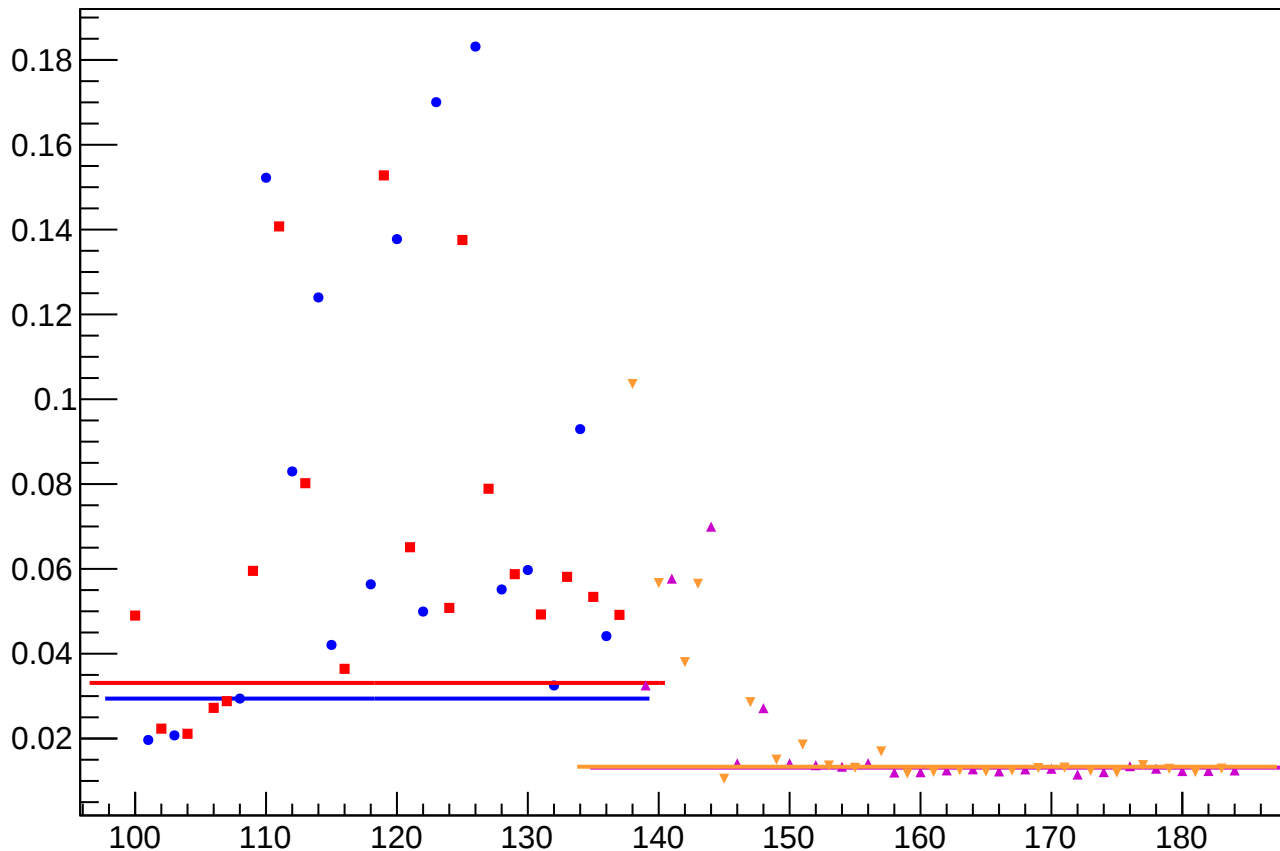
Left In: 0.977 ± 0.000 χ^2/NDF : 568209676597.4/22

+ sign 0.789 ± 0.000 χ^2/NDF : 517108556030.9/40

All: 0.872 ± 0.000 χ^2/NDF : 1092694942638.

- sign 0.954 ± 0.000 χ^2/NDF : 574403976157.3/41

yield_bpm1Y_rms vs Slug



Right In: 0.029 $\pm$ 0.000 χ^2 /NDF: 3034312.5/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2916065.2/23

Right Out: 0.033 $\pm$ 0.000 χ^2 /NDF: 3078516.1/18

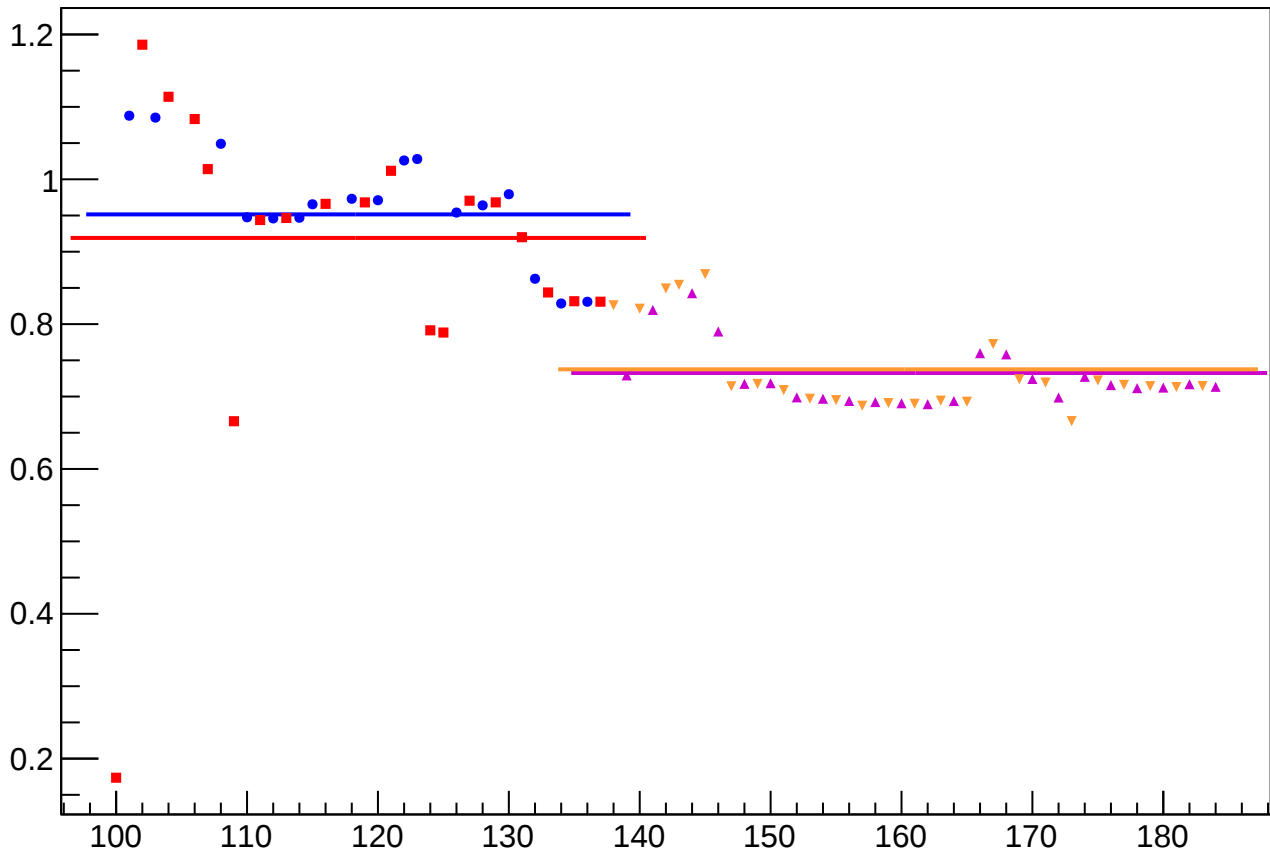
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1946693.6/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 7888879.7/40

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 15596503.7/82

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 7705618.9/41

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: 298370000.5/23

Right Out: 0.919 $\pm$ 0.000 χ^2 /NDF: 374715264.1/18

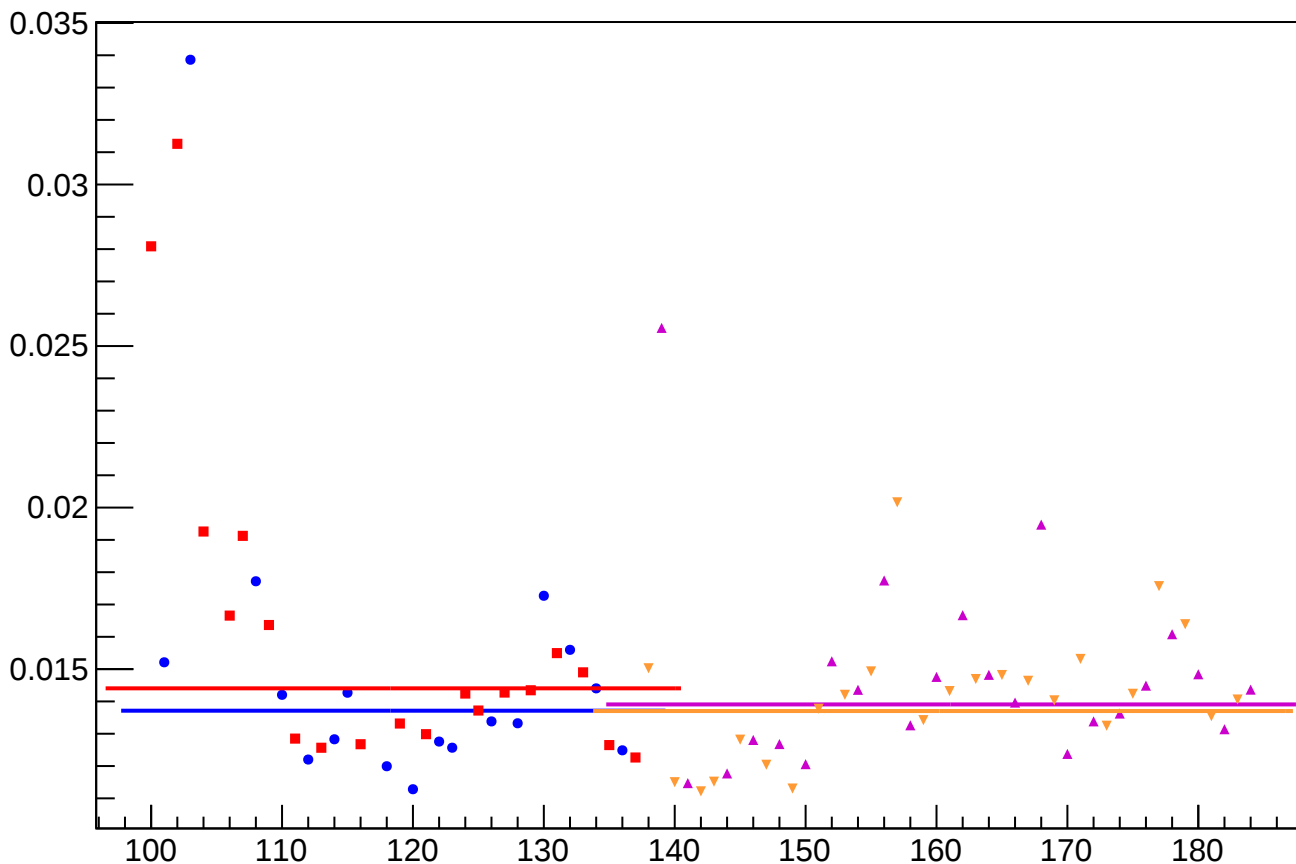
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF: 170102394.7/22

+ sign 0.795 $\pm$ 0.000 χ^2 /NDF: 1505865506.6/40

All: 0.789 $\pm$ 0.000 χ^2 /NDF: 2803103993.3/82

- sign 0.783 $\pm$ 0.000 χ^2 /NDF: 1288790152.7/41

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:512185.9/23

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 502019.0/18

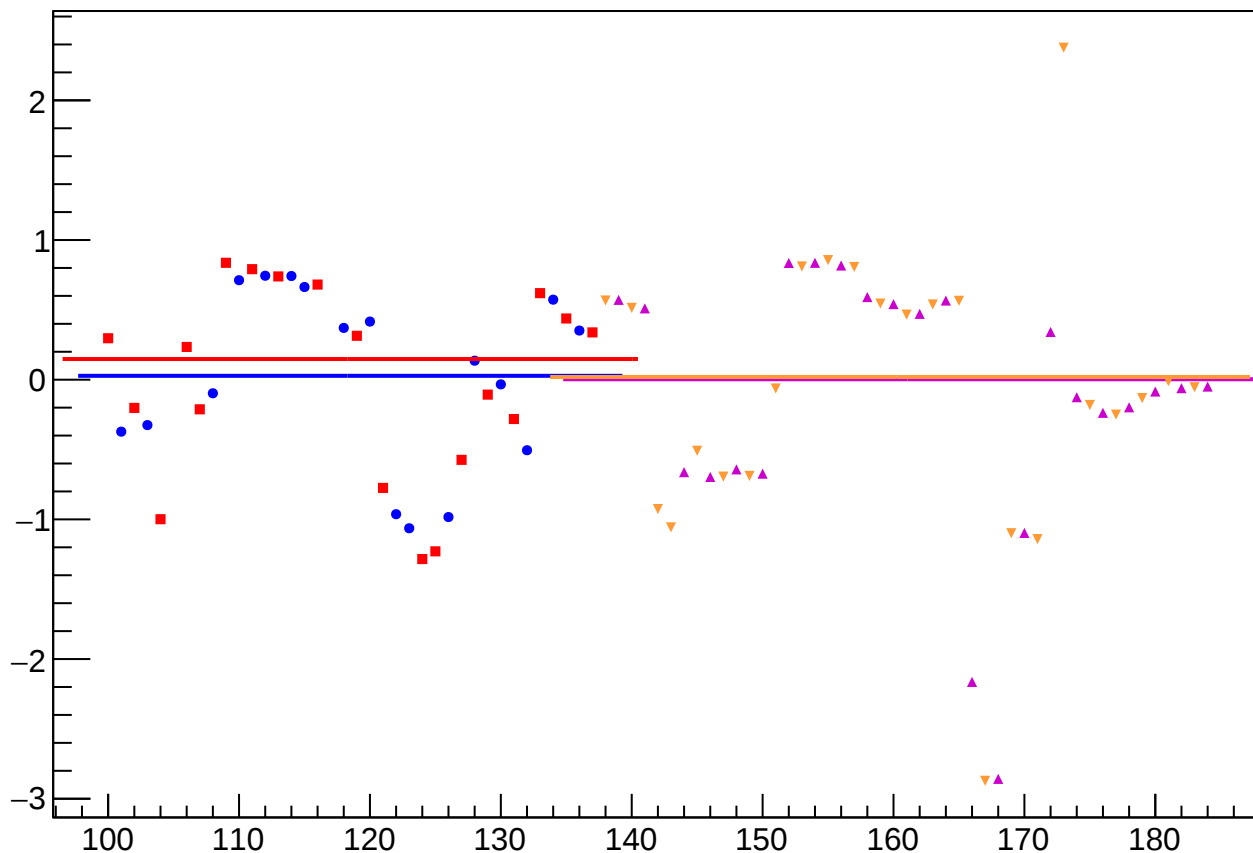
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:768161.9/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1058412.8/40

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2351809.1/82

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1280783.1/41

yield_bpm11Y_mean vs Slug



Right In: 0.028+/-0.000 χ^2/NDF : 6330660019.5/16

Left Out: 0.020+/-0.000 χ^2/NDF : 95614160828.4/23

Right Out: 0.148+/-0.000 χ^2/NDF : 12786884425.3/18

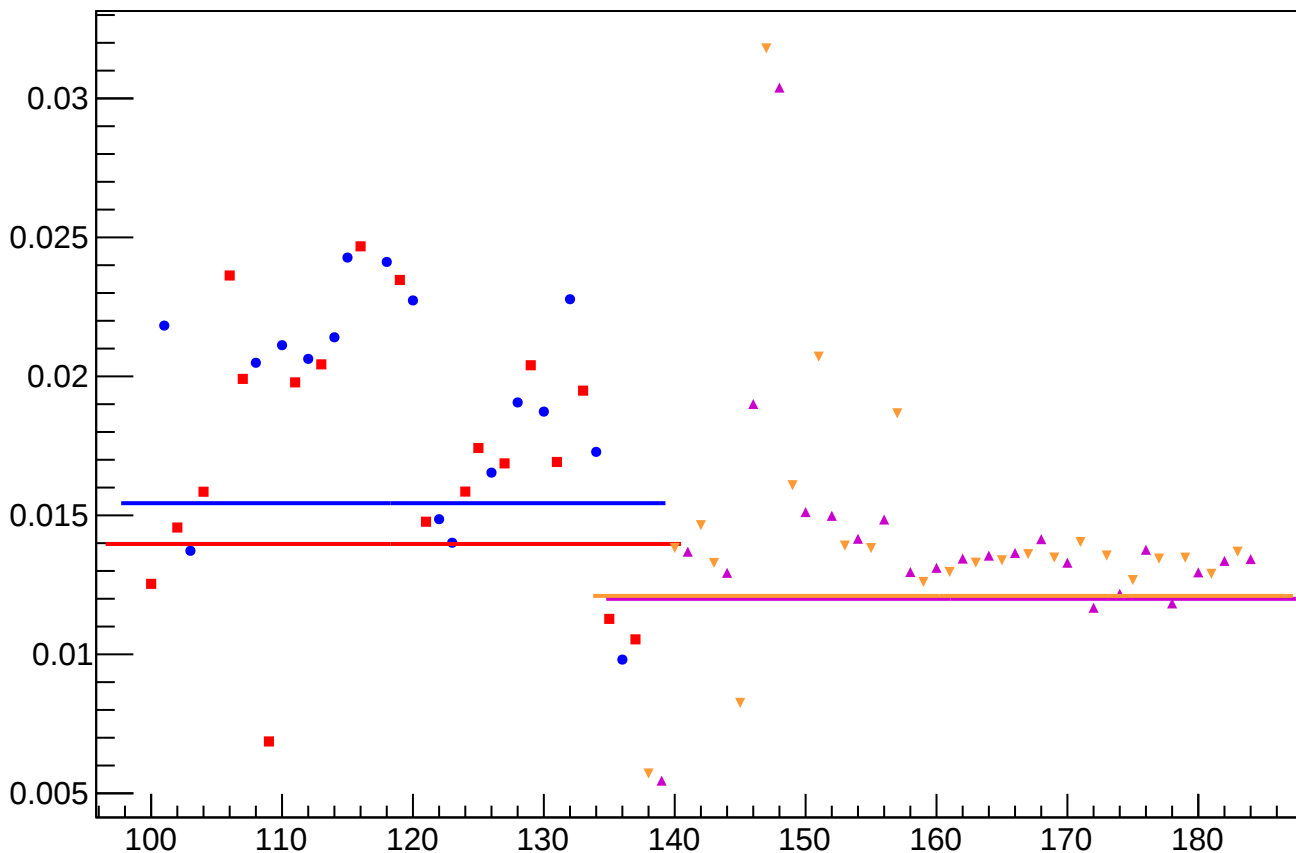
Left In: 0.003+/-0.000 χ^2/NDF : 78826489573.0/22

+ sign 0.021+/-0.000 χ^2/NDF : 101946145957.4/40

All: 0.028+/-0.000 χ^2/NDF : 194042376800.8

- sign 0.034+/-0.000 χ^2/NDF : 92084651091.8/41

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1160014.9/16

Left Out: 0.012+/-0.000 χ^2/NDF : 3109502.5/23

Right Out: 0.014+/-0.000 χ^2/NDF : 1556431.6/18

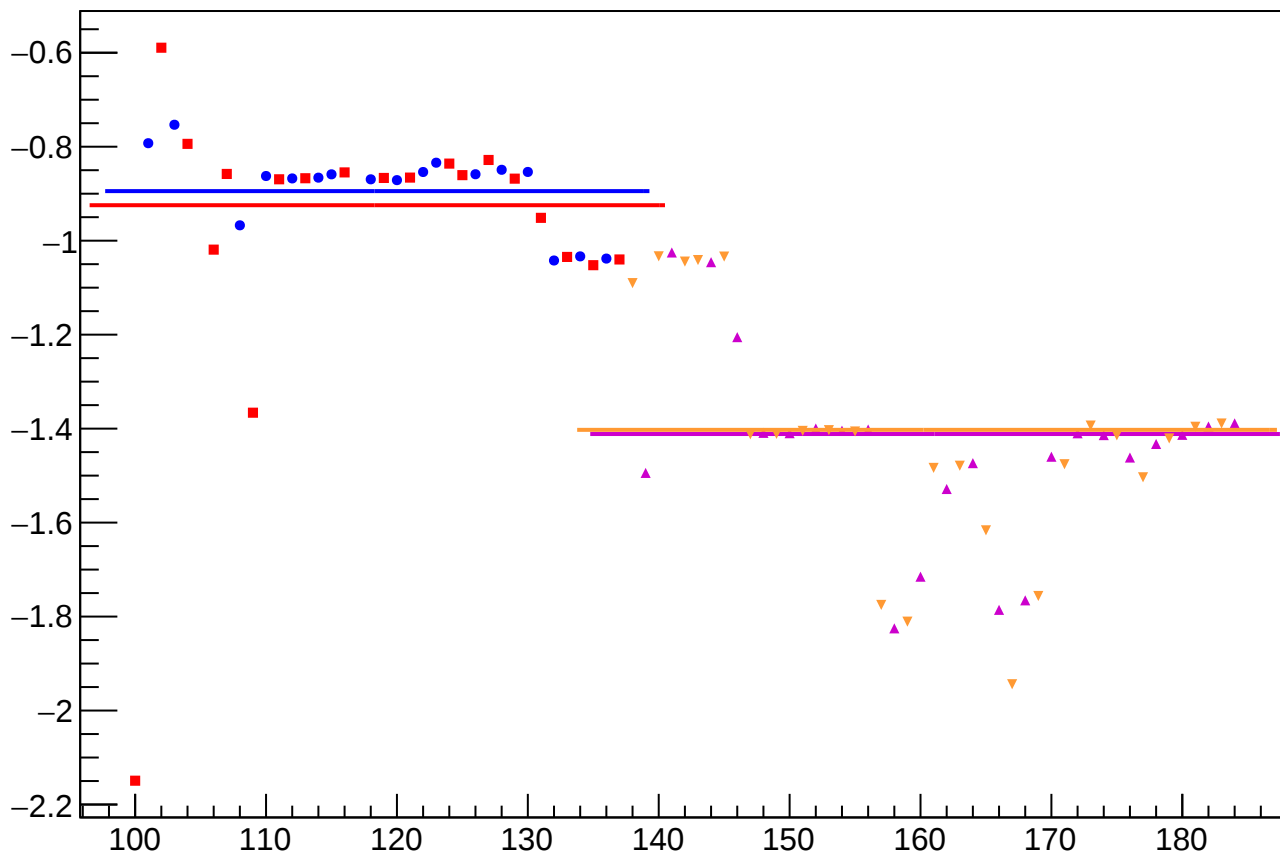
Left In: 0.012+/-0.000 χ^2/NDF : 3003502.9/22

+ sign 0.013+/-0.000 χ^2/NDF : 4700336.8/40

All: 0.013+/-0.000 χ^2/NDF : 9446027.3/82

- sign 0.012+/-0.000 χ^2/NDF : 4735022.6/41

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 : 721831046.2/23

Right Out: -0.925+/-0.000 χ^2/NDF : 128456555.8/18

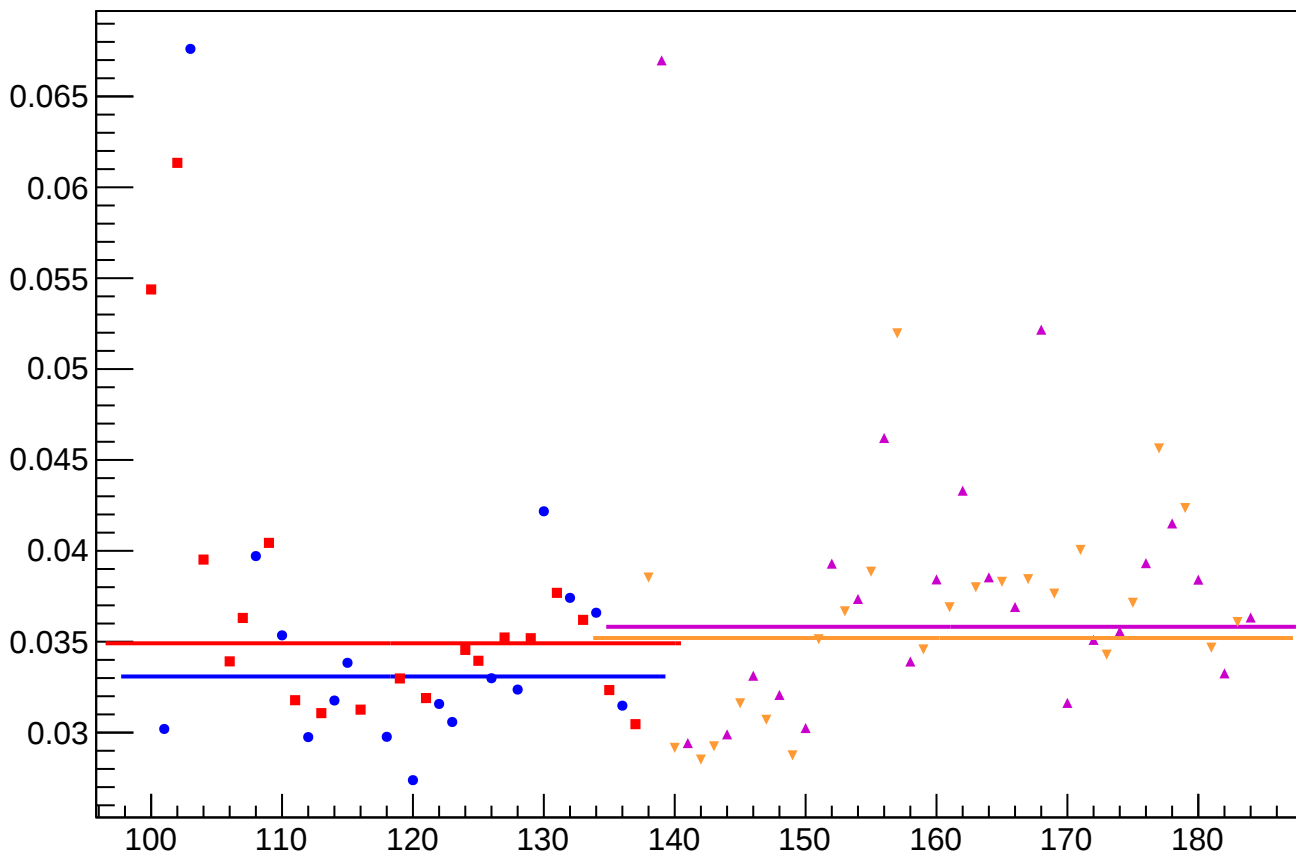
Left In: -1.411+/-0.000 χ^2/NDF : 512547995.0/22

+ sign -1.252+/-0.000 χ^2/NDF : 1729956115.2/40

All: -1.259+/-0.000 χ^2/NDF : 3211591582.4/8

- sign -1.267+/-0.000 χ^2/NDF : 1479689599.6/41

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 : 577638.2/23

Right Out: 0.035 ± 0.000 χ^2/NDF : 274757.5/18

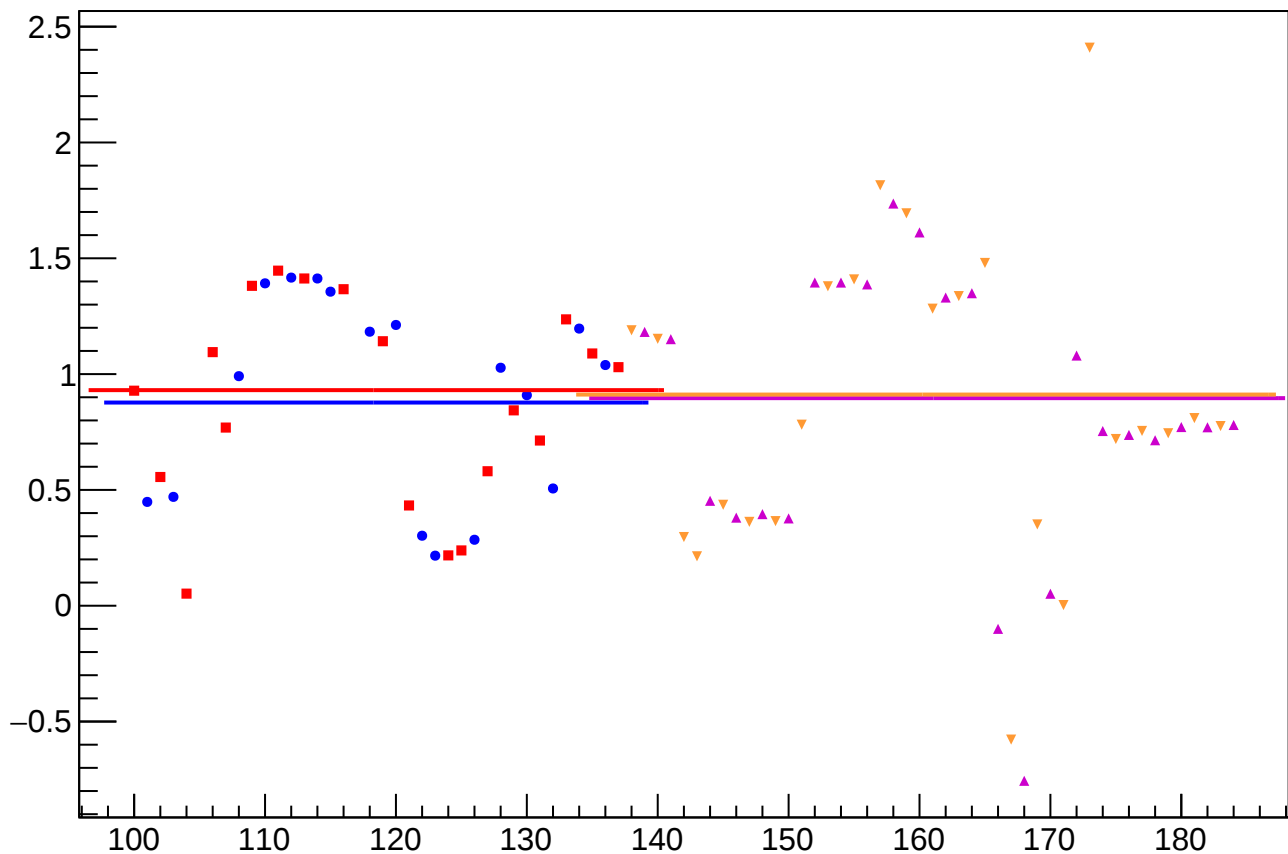
Left In: 0.036 ± 0.000 χ^2/NDF : 864147.6/22

+ sign 0.035 ± 0.000 χ^2/NDF : 1020064.0/40

All: 0.035 ± 0.000 χ^2/NDF : 2181379.9/82

- sign 0.036 ± 0.000 χ^2/NDF : 1144727.9/41

yield_bpm12Y_mean vs Slug



Right In: 0.877 $\pm$ 0.000 χ^2 /NDF: 6492530367.5/16

Left Out: 0.912 $\pm$ 0.000 χ^2 /NDF: 83518007471.7/23

Right Out: 0.931 $\pm$ 0.000 χ^2 /NDF: 9963132374.2/18

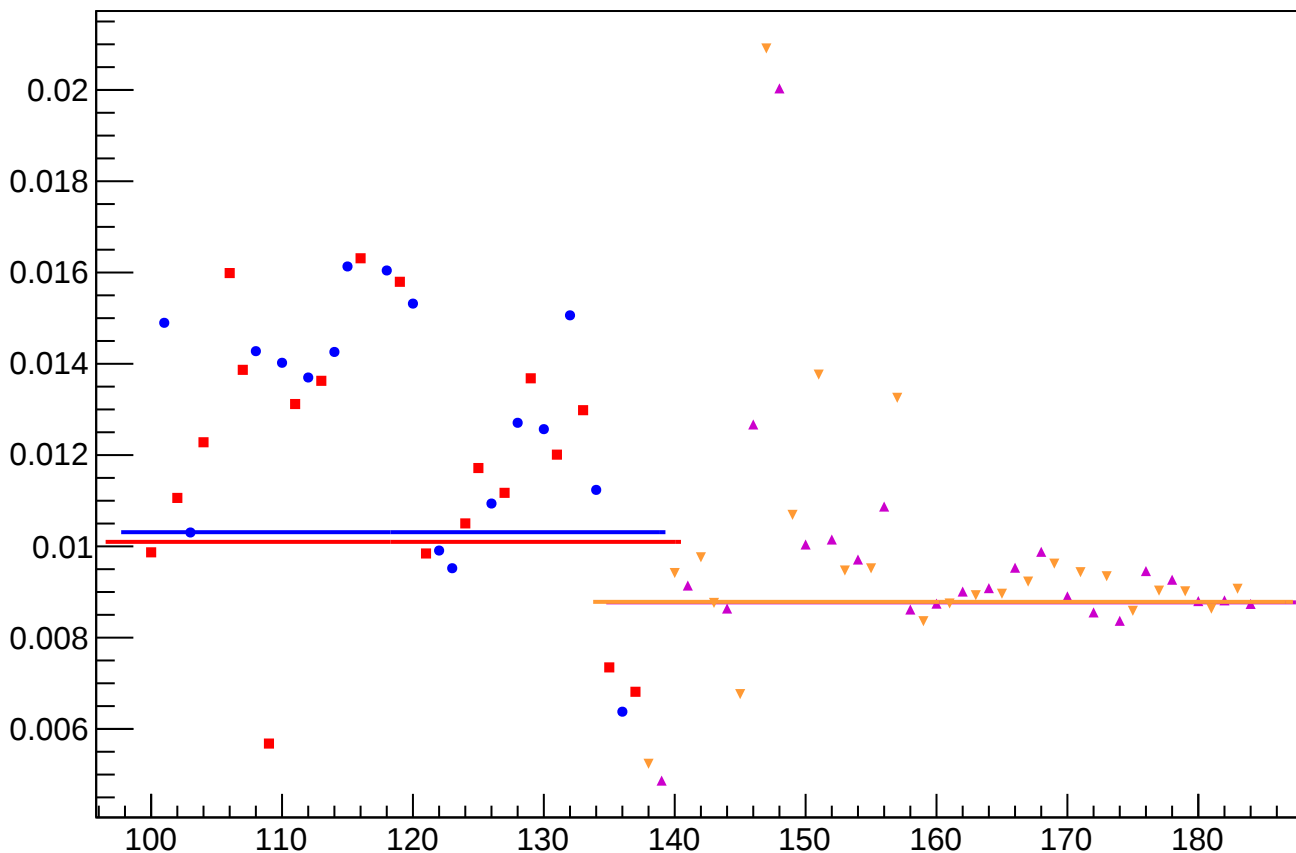
Left In: 0.896 $\pm$ 0.000 χ^2 /NDF: 66594200889.6/22

+ sign 0.905 $\pm$ 0.000 χ^2 /NDF: 90060524265.7/40

All: 0.904 $\pm$ 0.000 χ^2 /NDF: 166671443254.0

- sign 0.904 $\pm$ 0.000 χ^2 /NDF: 76610750644.7/41

yield_bpm12Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF : 1229309.4/16

Left Out: 0.009+/-0.000 χ^2/NDF : 1698312.6/23

Right Out: 0.010+/-0.000 χ^2/NDF : 1175272.9/18

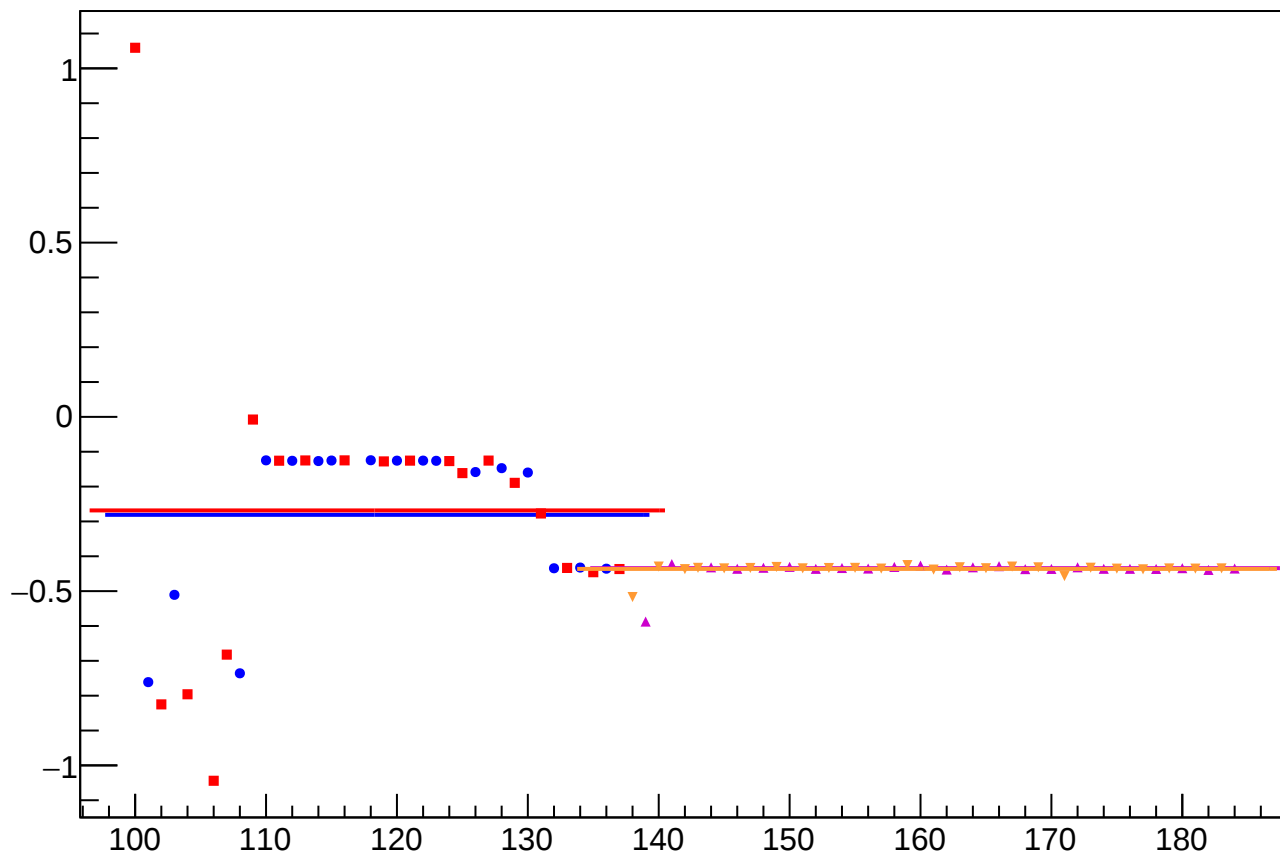
Left In: 0.009+/-0.000 χ^2/NDF : 1607939.0/22

+ sign 0.009+/-0.000 χ^2/NDF : 3124174.6/40

All: 0.009+/-0.000 χ^2/NDF : 6064432.4/82

- sign 0.009+/-0.000 χ^2/NDF : 2940116.2/41

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 : 28786440.0/23

Right Out: -0.268+/-0.000 χ^2/NDF : 967576606.4/18

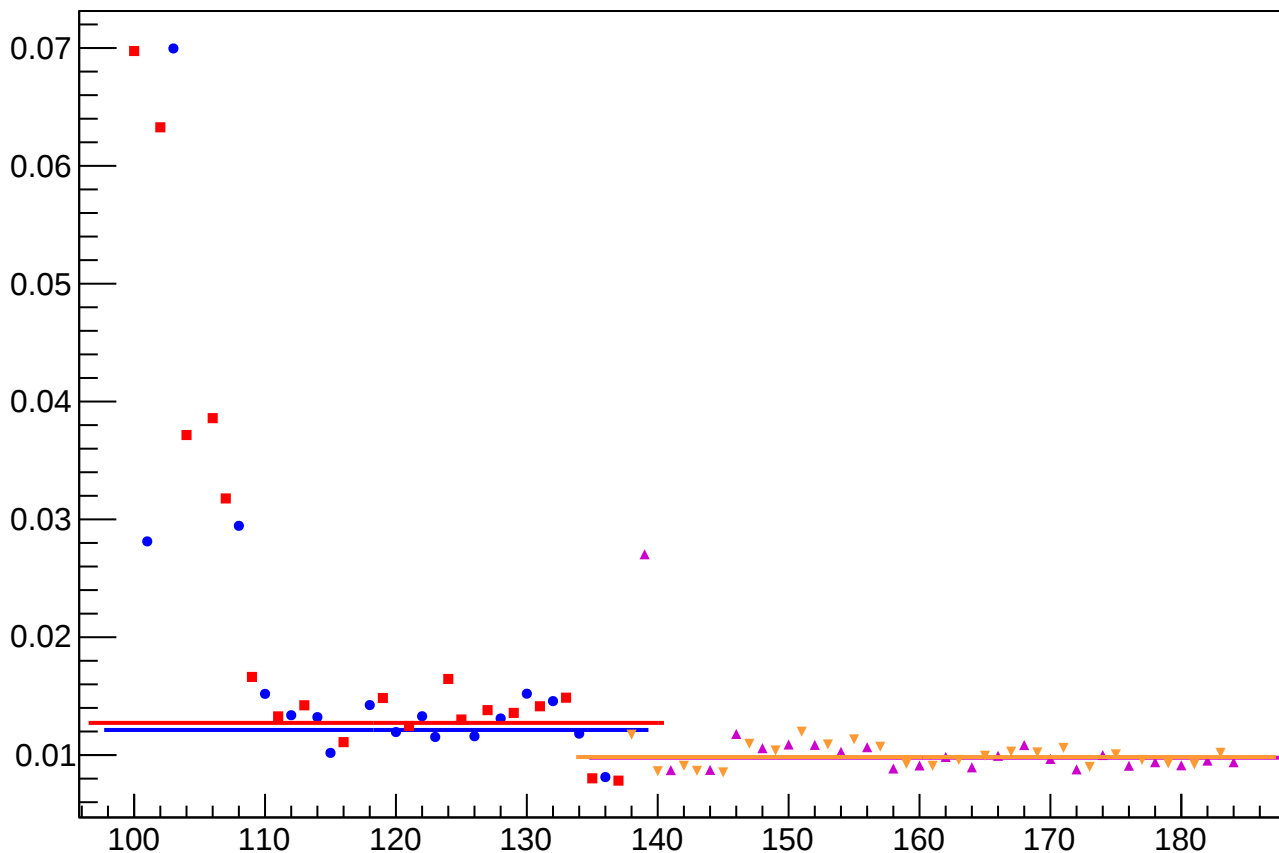
Left In: -0.434+/-0.000 χ^2/NDF : 23984173.0/22

+ sign -0.410+/-0.000 χ^2/NDF : 1575054090.6/40

All: -0.409+/-0.000 χ^2/NDF : 3251470081.5/8

- sign -0.407+/-0.000 χ^2/NDF : 1675462011.3/41

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: 261806.4/23

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1970038.2/18

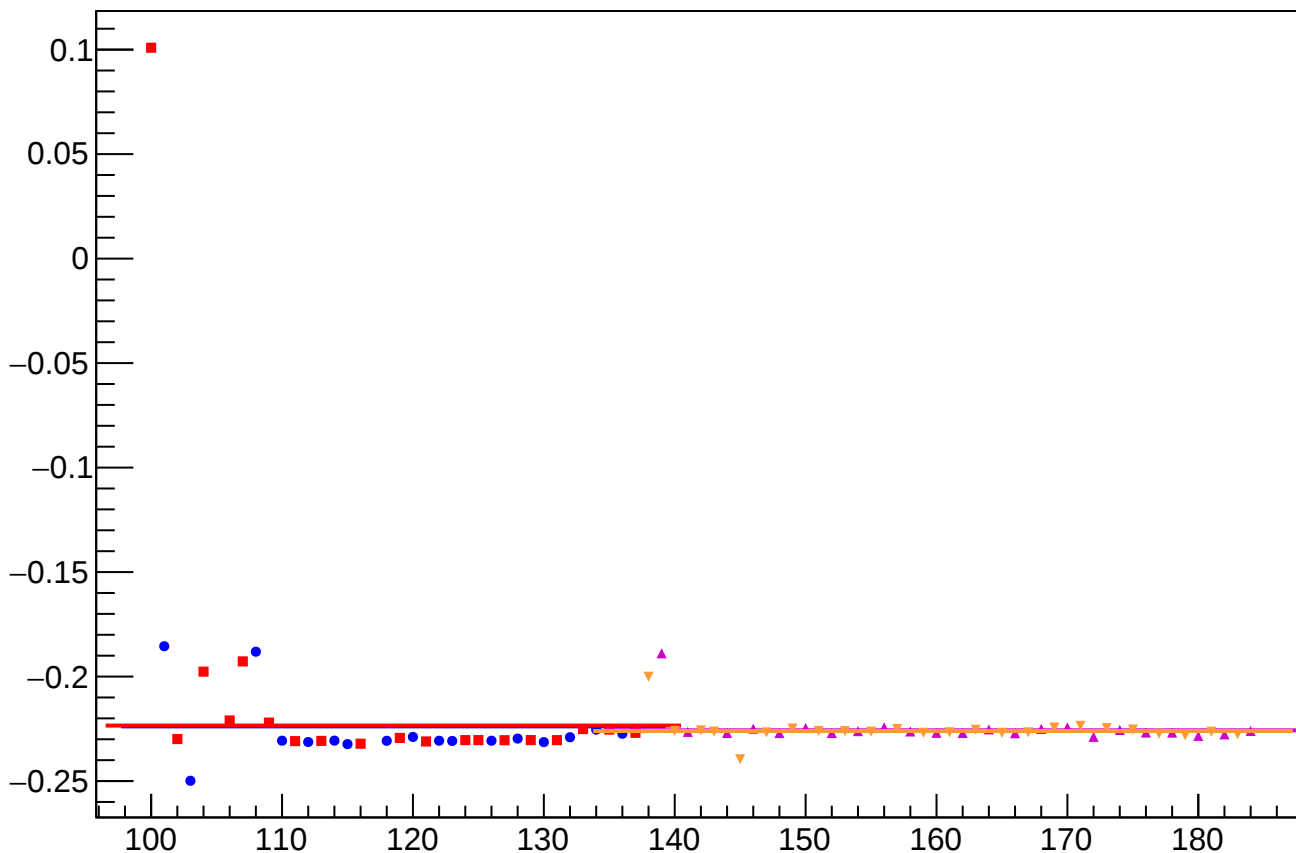
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 747550.0/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2267505.6/40

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 5420653.5/82

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3152843.2/41

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 : 21172376.0/23

Right Out: -0.223+/-0.000 χ^2/NDF : 167796311.6/18

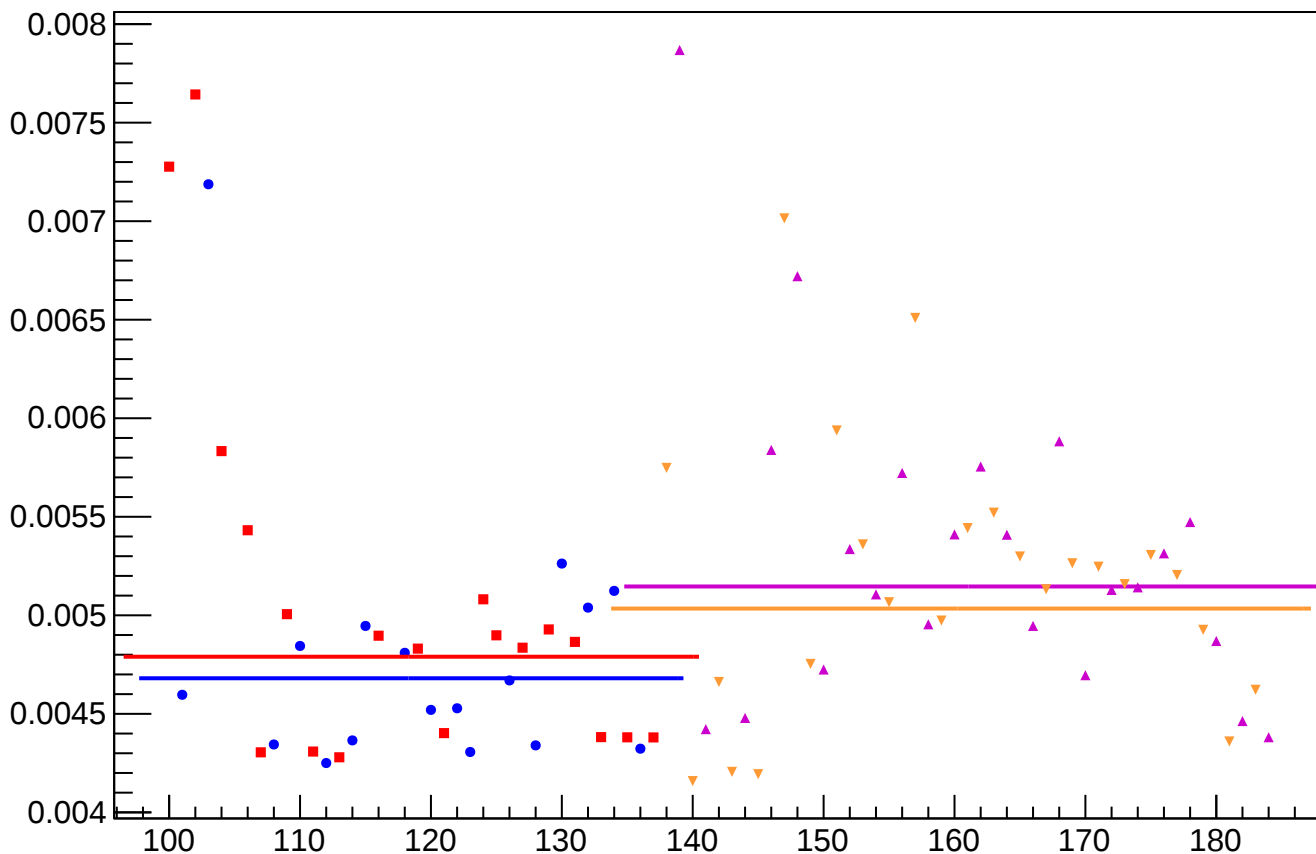
Left In: -0.226+/-0.000 χ^2/NDF : 15245251.1/22

+ sign -0.225+/-0.000 χ^2/NDF : 96449360.5/40

All: -0.225+/-0.000 χ^2/NDF : 280551933.4/82

- sign -0.225+/-0.000 χ^2/NDF : 184033372.8/41

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 : 509099.5/23

Right Out: 0.005+/-0.000 χ^2/NDF : 248518.8/18

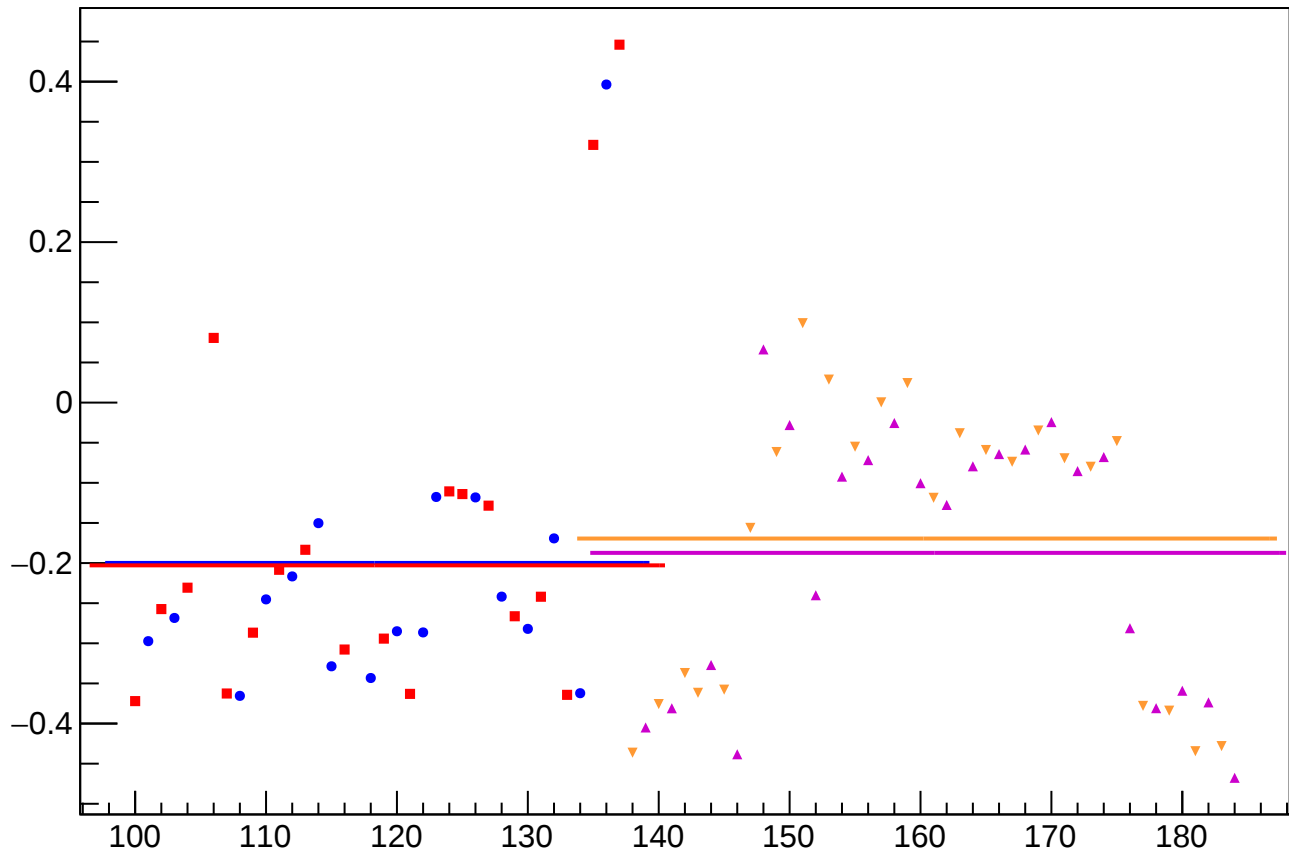
Left In: 0.005+/-0.000 χ^2/NDF : 493107.7/22

+ sign 0.005+/-0.000 χ^2/NDF : 738397.8/40

All: 0.005+/-0.000 χ^2/NDF : 1538618.5/82

- sign 0.005+/-0.000 χ^2/NDF : 790246.6/41

yield_bpm0i02X_mean vs Slug



Right In: -0.200 ± 0.000 χ^2/NDF : 5966157035.1/16

Left Out: -0.169 ± 0.000 χ^2/NDF : 17195554410.1/23

Right Out: -0.203 ± 0.000 χ^2/NDF : 5025528680.0/18

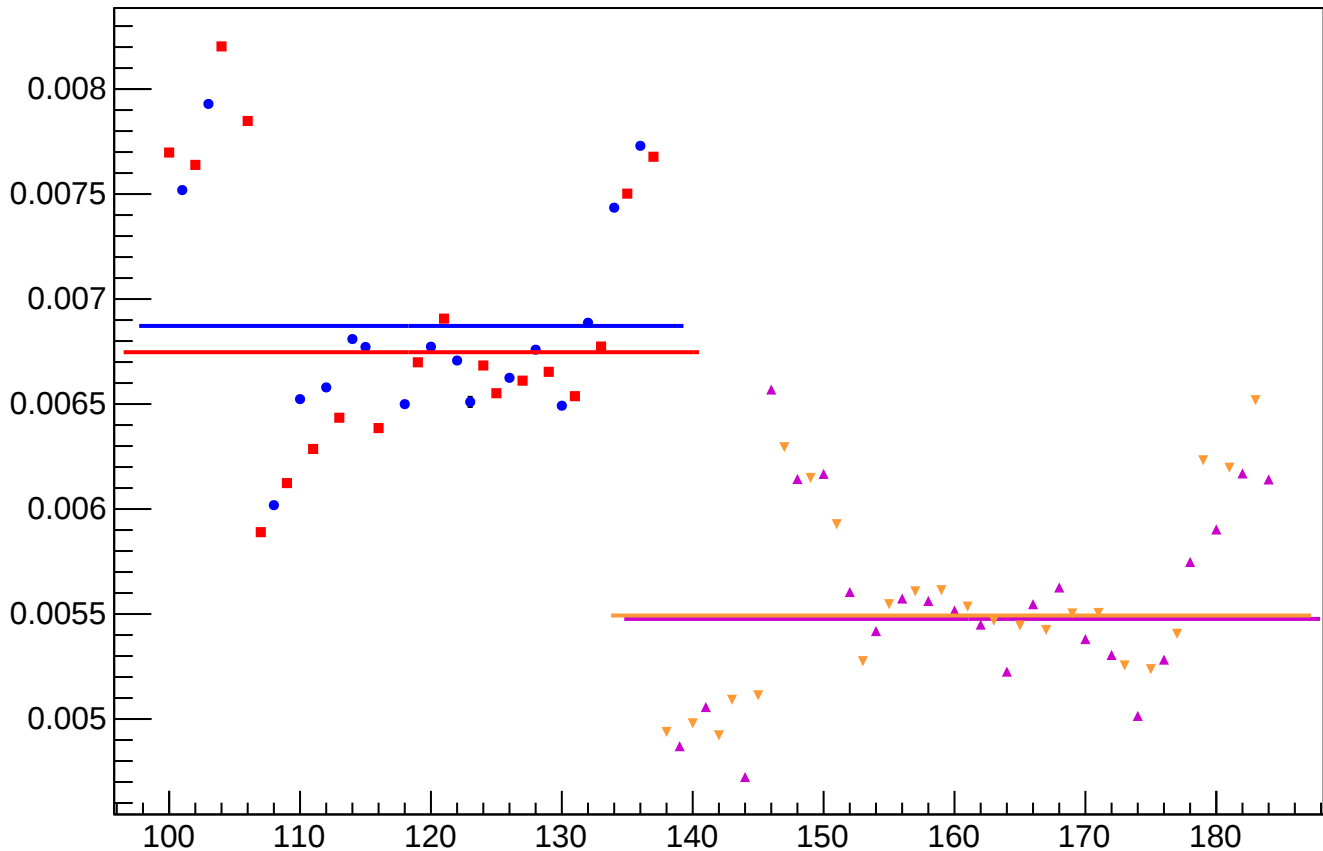
Left In: -0.187 ± 0.000 χ^2/NDF : 12816646575.4/22

+ sign -0.175 ± 0.000 χ^2/NDF : 23264549002.6/40

All: -0.183 ± 0.000 χ^2/NDF : 41216904343.8/41

- sign -0.191 ± 0.000 χ^2/NDF : 17870794303.2/41

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 : 190625.6/23

Right Out: 0.007+/-0.000 χ^2/NDF : 105420.2/18

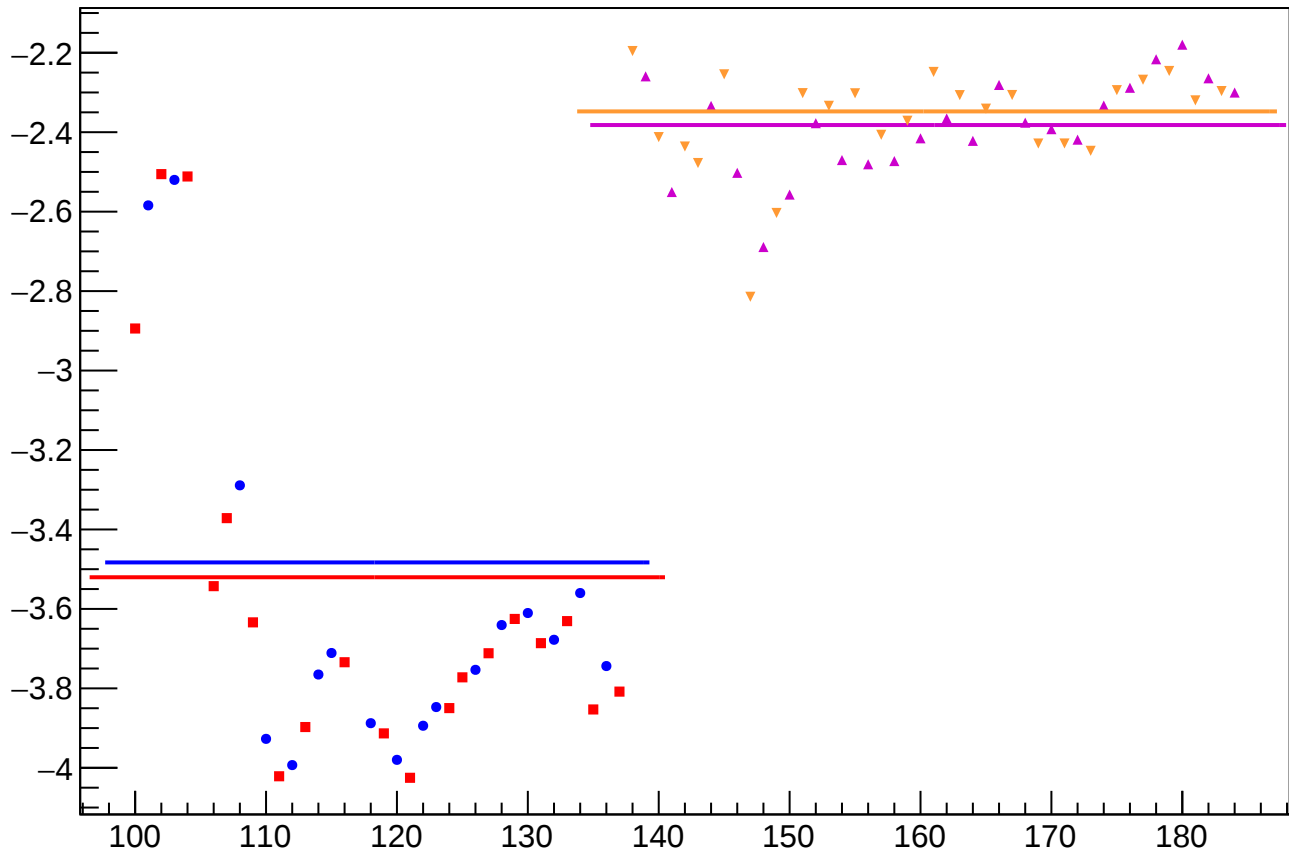
Left In: 0.005+/-0.000 χ^2/NDF : 202181.4/22

+ sign 0.006+/-0.000 χ^2/NDF : 692605.1/40

All: 0.006+/-0.000 χ^2/NDF : 1381275.8/82

- sign 0.006+/-0.000 χ^2/NDF : 688555.9/41

yield_bpm0i02Y_mean vs Slug



Right In: -3.483+/-0.000 χ^2/NDF : 27157654838.2/16

Left Out: -2.348+/-0.000 χ^2/NDF : 2137278833.7/23

Right Out: -3.520+/-0.000 χ^2/NDF : 26453336521.2/18

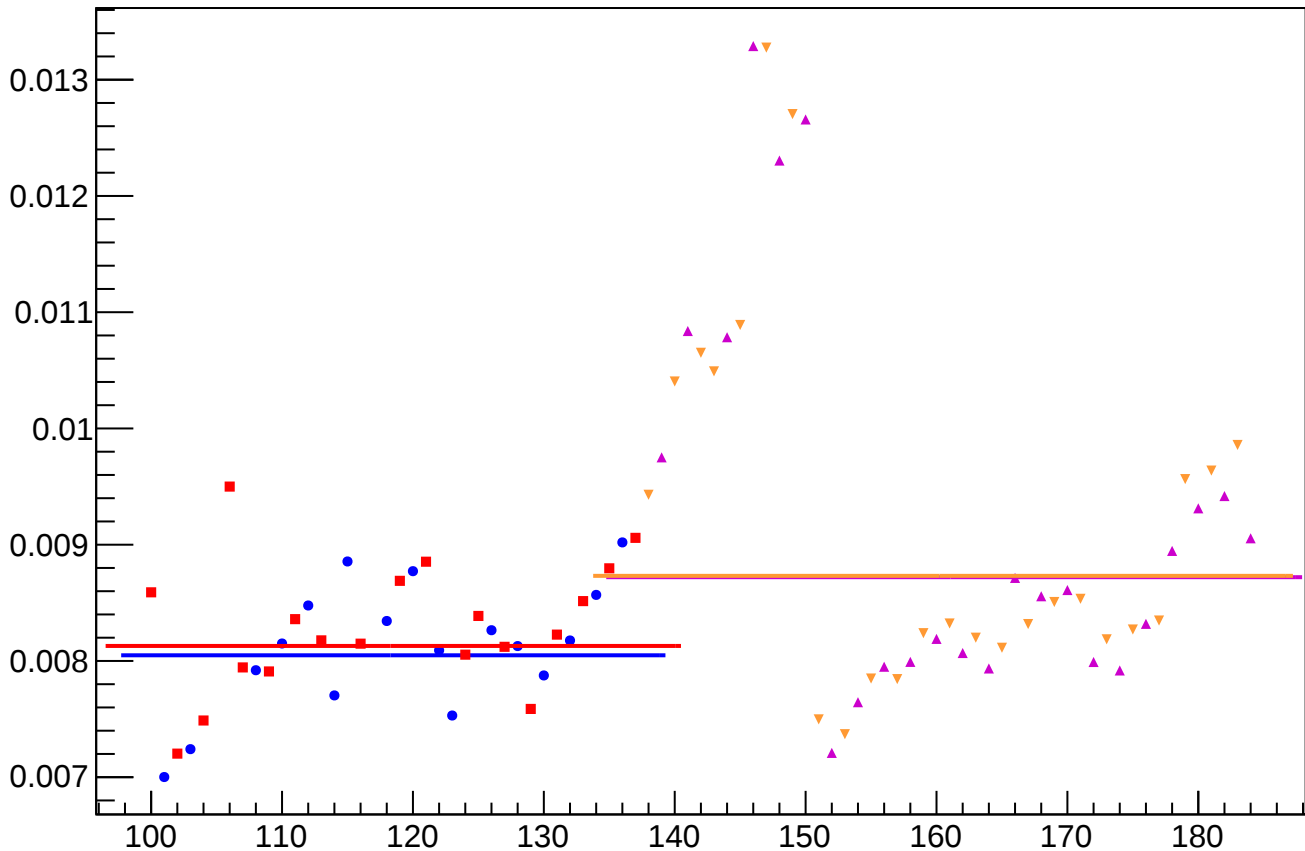
Left In: -2.382+/-0.000 χ^2/NDF : 2318395228.4/22

+ sign -2.701+/-0.000 χ^2/NDF : 118119308696.4/40

All: -2.726+/-0.000 χ^2/NDF : 236797292727.2

- sign -2.751+/-0.000 χ^2/NDF : 118290148874.0/41

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 : 652428.0/23

Right Out: 0.008 ± 0.000 χ^2/NDF : 57777.8/18

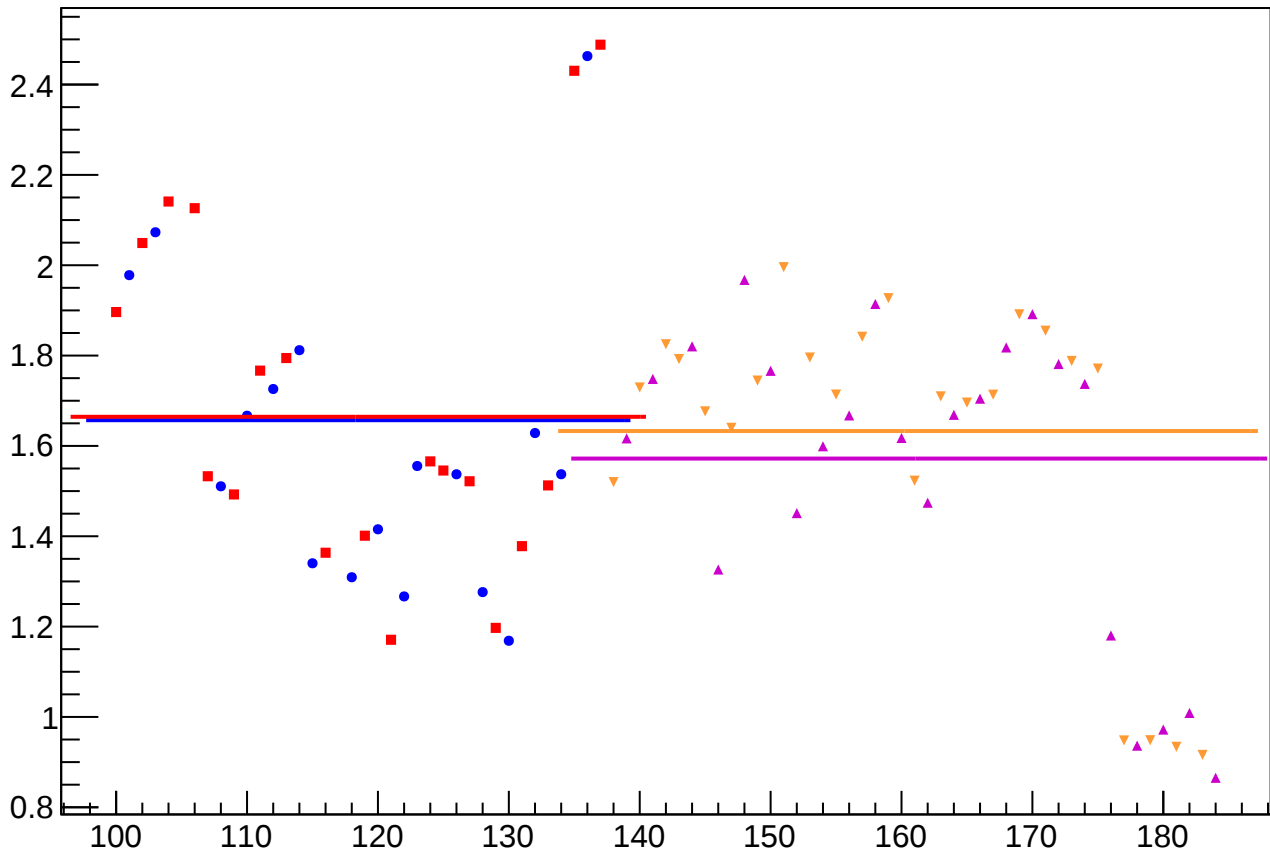
Left In: 0.009 ± 0.000 χ^2/NDF : 747867.0/22

+ sign 0.009 ± 0.000 χ^2/NDF : 788987.9/40

All: 0.009 ± 0.000 χ^2/NDF : 1642985.4/82

- sign 0.009 ± 0.000 χ^2/NDF : 853967.3/41

yield_bpm0i02aX_mean vs Slug



Right In: 1.657 $\pm$ 0.000 χ^2 /NDF: 6432420267.9/16

Left Out: 1.633 $\pm$ 0.000 χ^2 /NDF: 15447292738.8/23

Right Out: 1.664 $\pm$ 0.000 χ^2 /NDF: 5940917748.5/18

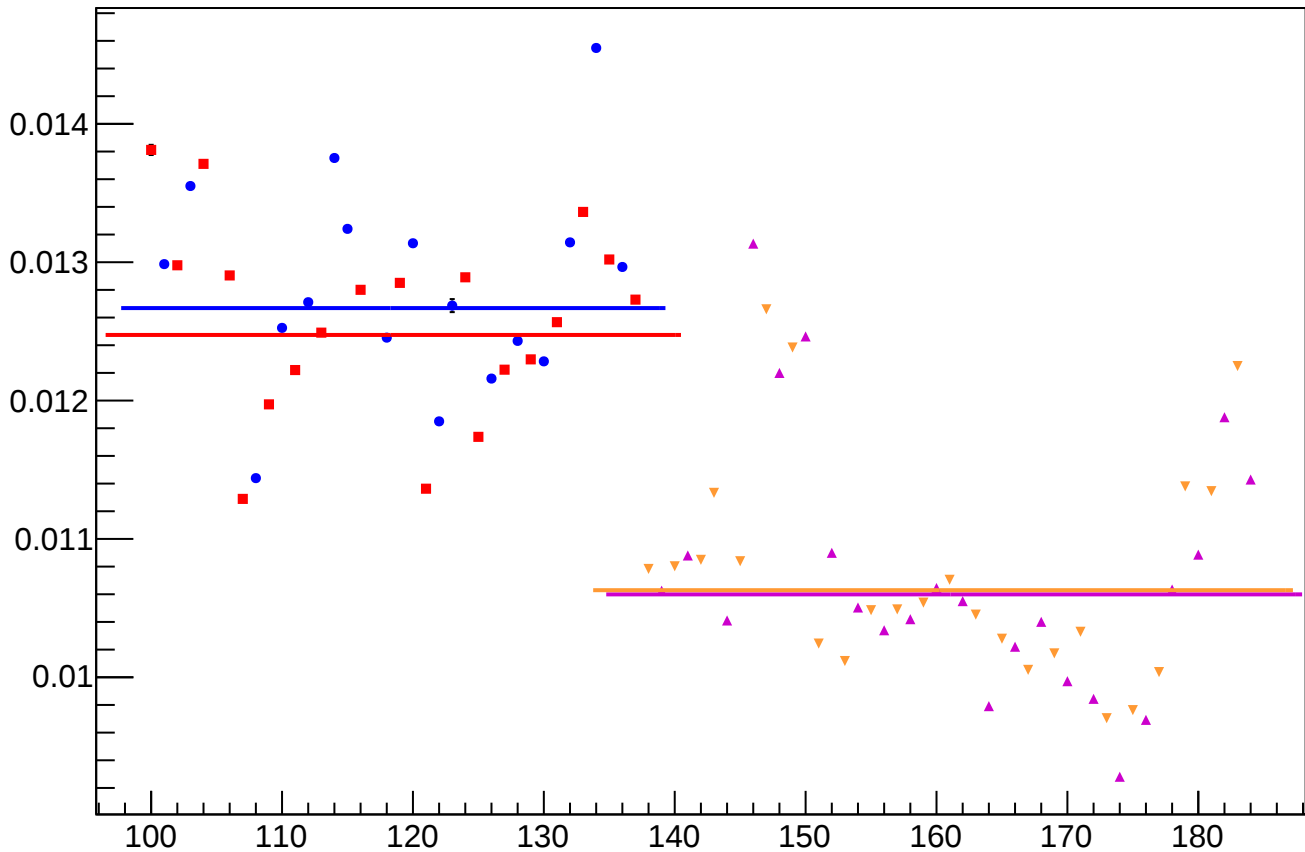
Left In: 1.572 $\pm$ 0.000 χ^2 /NDF: 14230484809.4/22

+ sign 1.638 $\pm$ 0.000 χ^2 /NDF: 21898321208.4/40

All: 1.616 $\pm$ 0.000 χ^2 /NDF: 42553356421.8/8

- sign 1.593 $\pm$ 0.000 χ^2 /NDF: 20462131300.3/41

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 :157492.4/23

Right Out: 0.012+/-0.000 χ^2/NDF : 38559.4/18

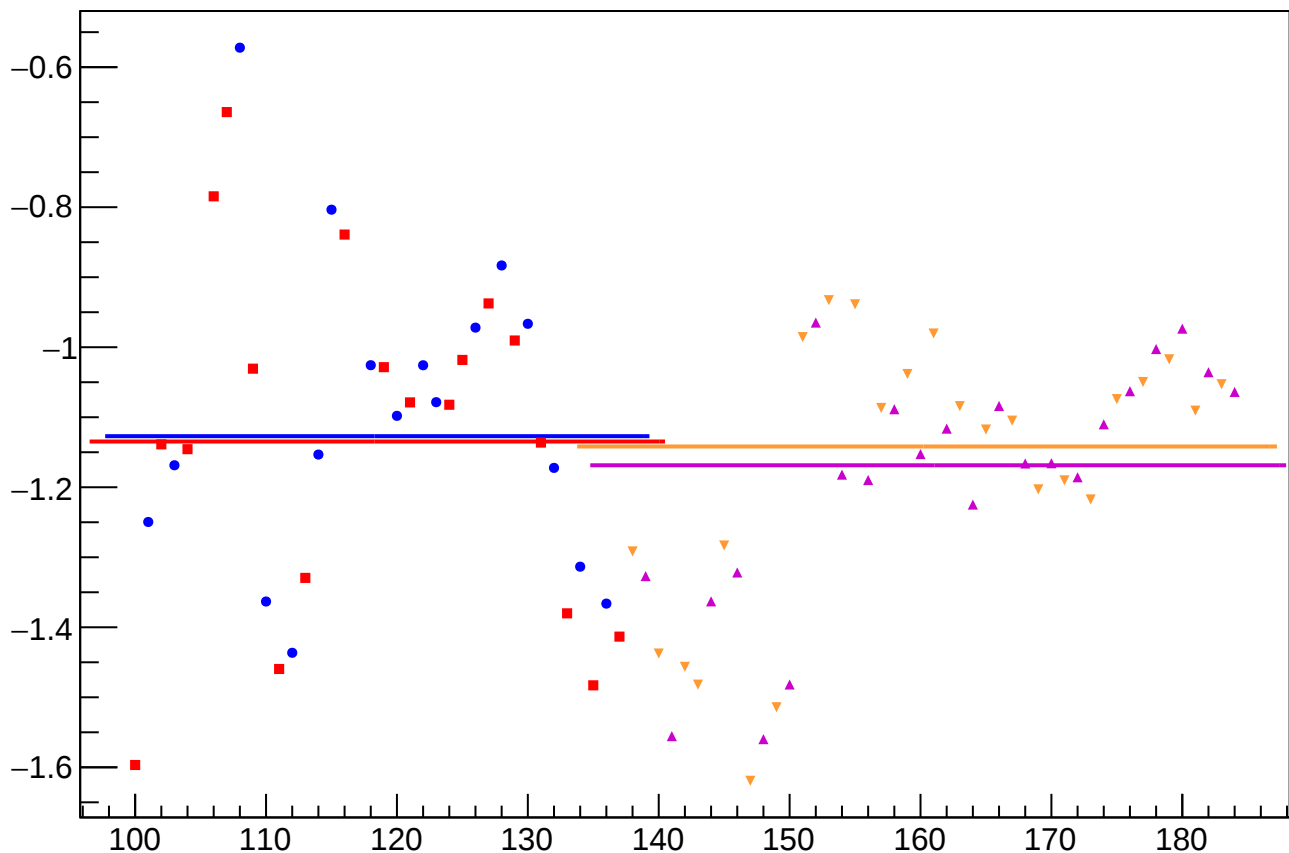
Left In: 0.011+/-0.000 χ^2/NDF :204531.5/22

+ sign 0.011+/-0.000 χ^2/NDF : 456799.5/40

All: 0.011+/-0.000 χ^2/NDF : 938950.2/82

- sign 0.011+/-0.000 χ^2/NDF : 482008.9/41

yield_bpm0i02aY_mean vs Slug



Right In: -1.127+/-0.000 χ^2 /NDF: 3546179478.6/16

Left Out: -1.142+/-0.000 χ^2 /NDF: 7780143030.7/23

Right Out: -1.135+/-0.000 χ^2 /NDF: 3674870672.6/18

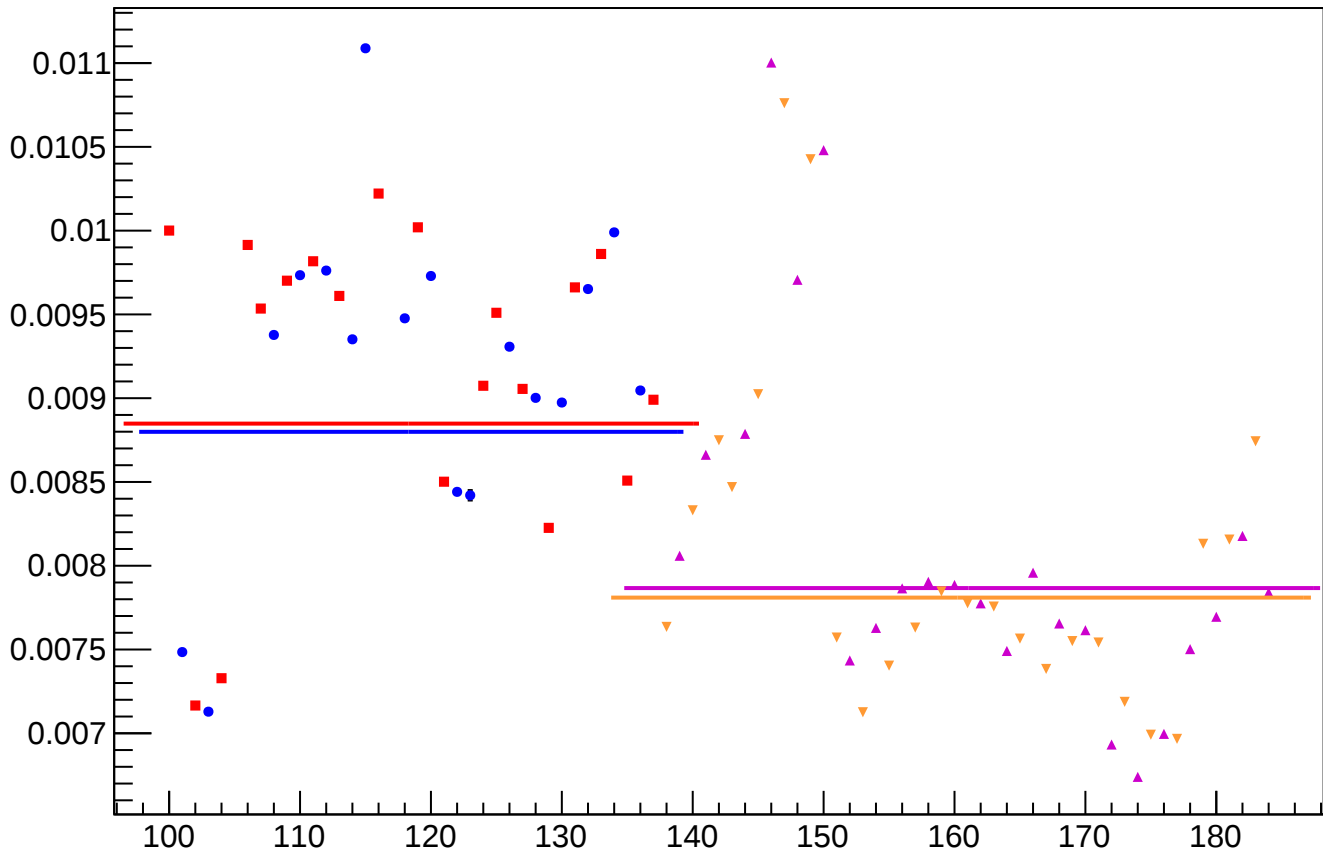
Left In: -1.169+/-0.000 χ^2 /NDF: 6362643368.6/22

+ sign -1.138+/-0.000 χ^2 /NDF: 11340010305.3/40

All: -1.149+/-0.000 χ^2 /NDF: 21535655013.2/41

- sign -1.160+/-0.000 χ^2 /NDF: 10110884426.3/41

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 : 330714.8/23

Right Out: 0.009+/-0.000 χ^2/NDF : 174016.9/18

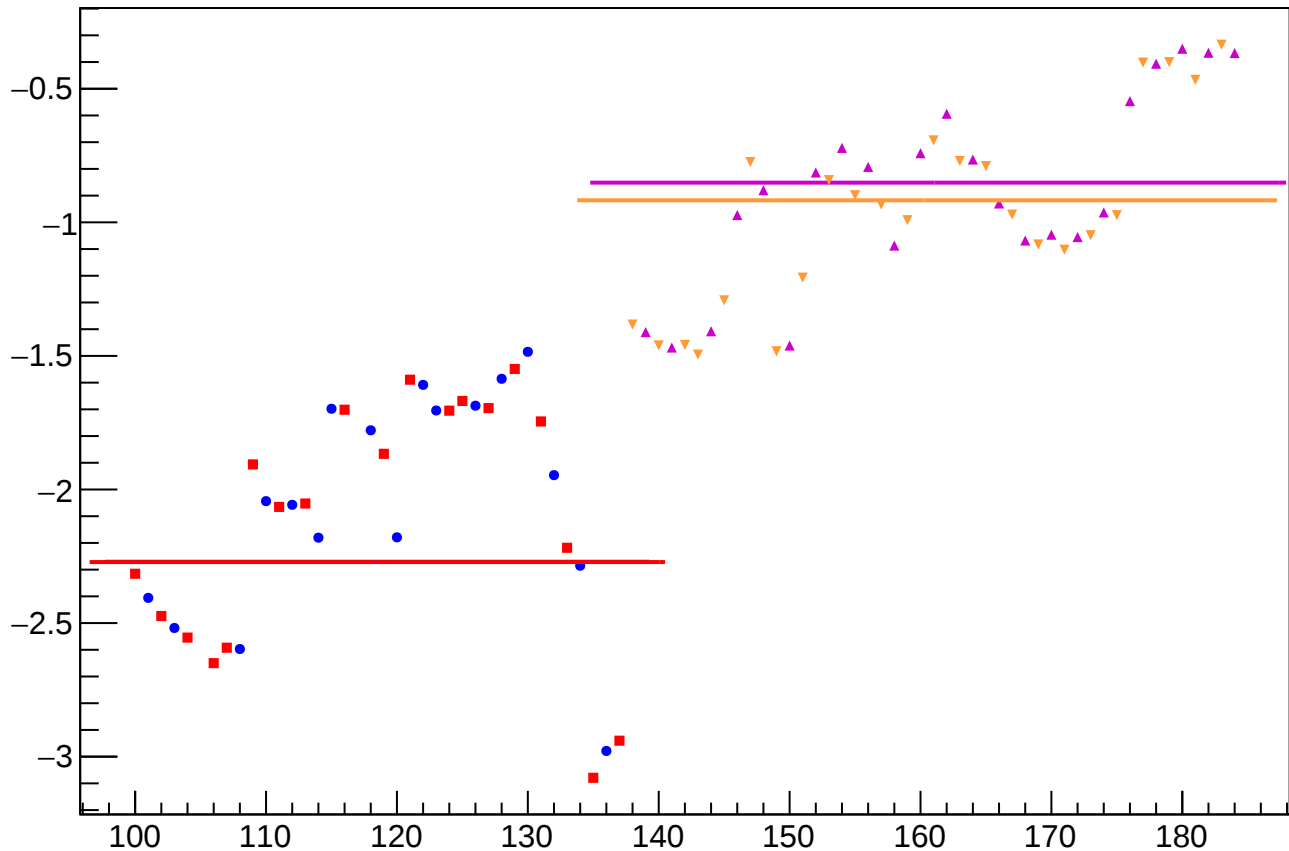
Left In: 0.008+/-0.000 χ^2/NDF : 379901.3/22

+ sign 0.008+/-0.000 χ^2/NDF : 605972.4/40

All: 0.008+/-0.000 χ^2/NDF : 1284333.3/82

- sign 0.008+/-0.000 χ^2/NDF : 676717.2/41

yield_bpm0i05X_mean vs Slug



Right In: -2.271+/-0.000 χ^2/NDF : 17322622121.9/16

Left Out: -0.918+/-0.000 χ^2/NDF : 46874539141.2/23

Right Out: -2.272+/-0.000 χ^2/NDF : 19002792241.6/18

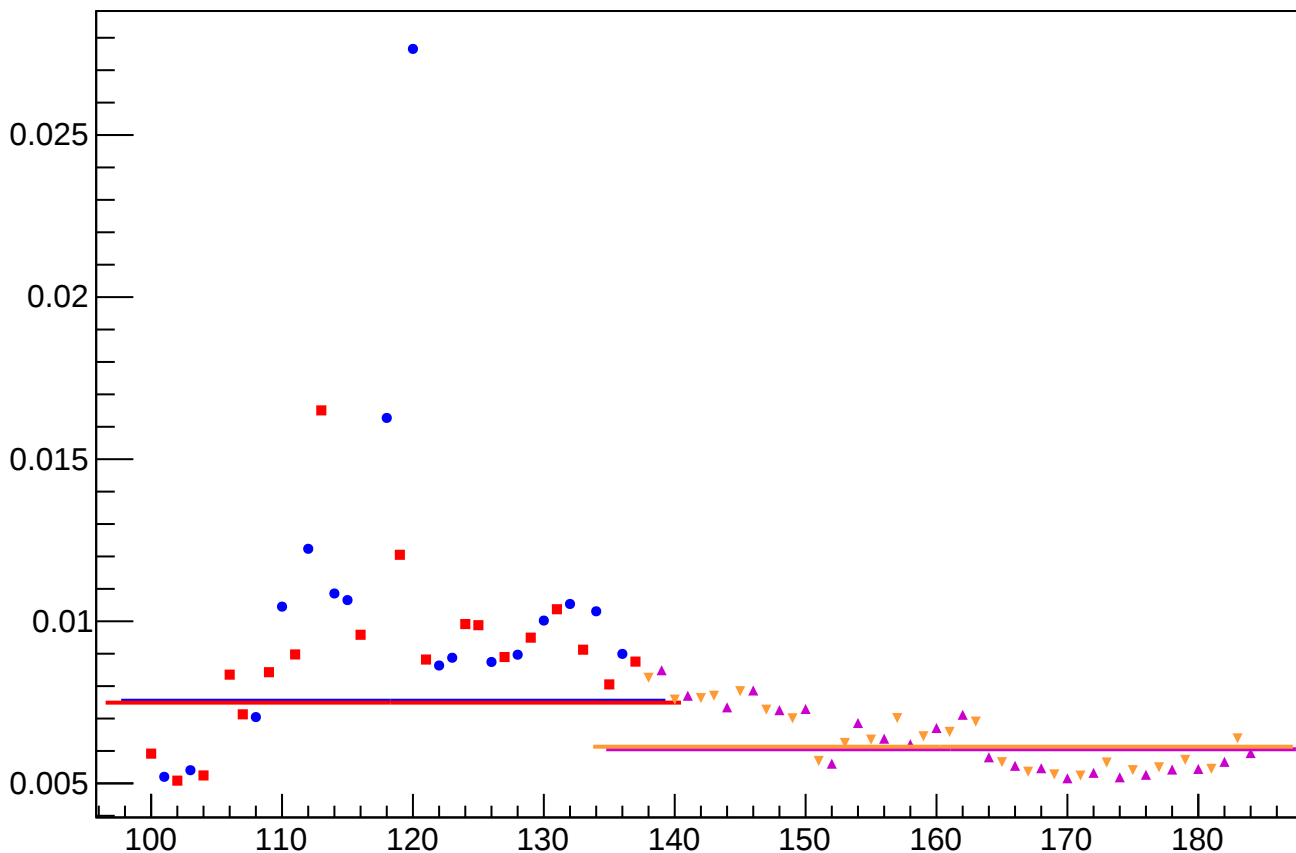
Left In: -0.851+/-0.000 χ^2/NDF : 46438446008.2/22

+ sign -1.144+/-0.000 χ^2/NDF : 198405269903.5/40

All: -1.130+/-0.000 χ^2/NDF : 427516770382.4

- sign -1.116+/-0.000 χ^2/NDF : 228904839262.2/41

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 : 624712.2/23

Right Out: 0.007+/-0.000 χ^2/NDF : 926036.5/18

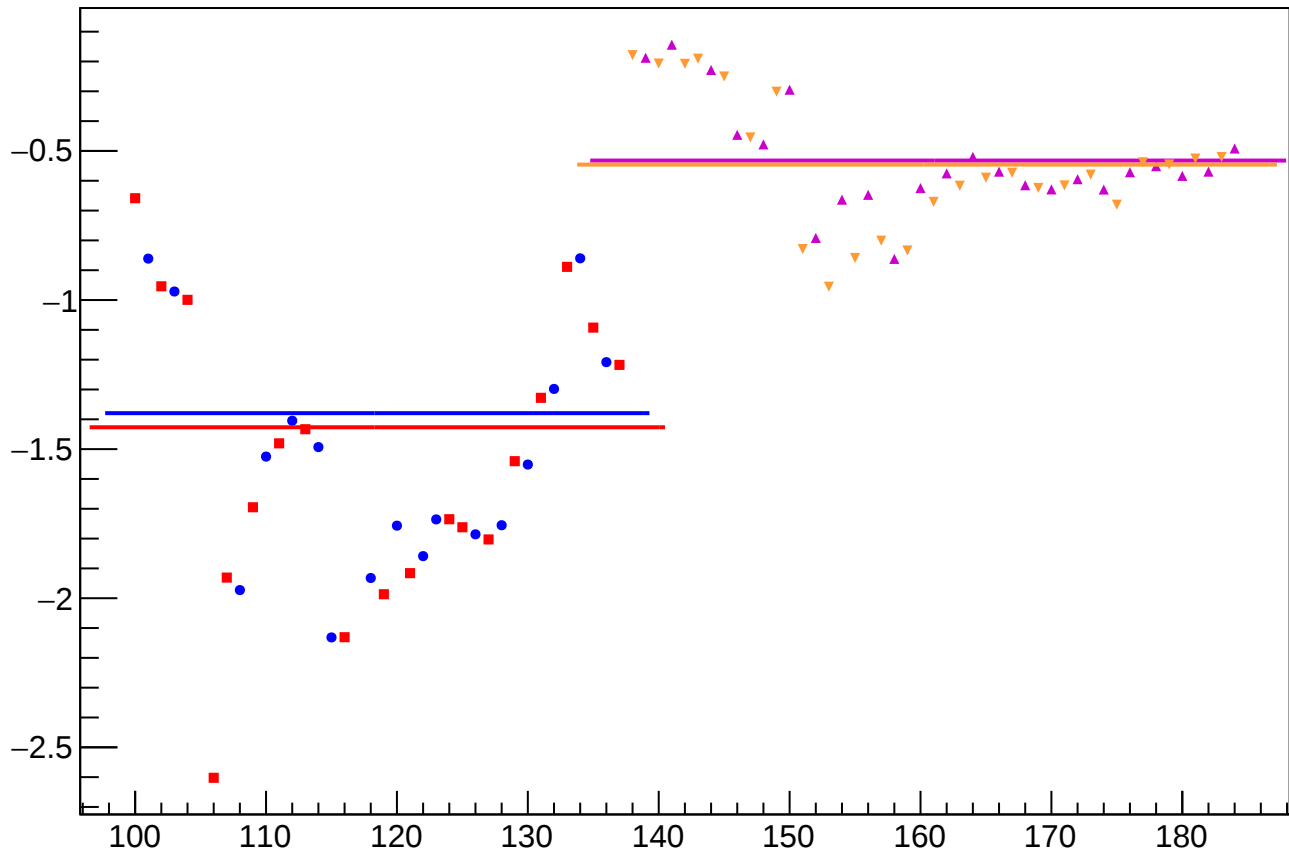
Left In: 0.006+/-0.000 χ^2/NDF : 697577.8/22

+ sign 0.006+/-0.000 χ^2/NDF : 2134691.1/40

All: 0.006+/-0.000 χ^2/NDF : 4095010.3/82

- sign 0.006+/-0.000 χ^2/NDF : 1959109.0/41

yield_bpm0i05Y_mean vs Slug



Right In: -1.379+/-0.000 χ^2/NDF : 19933785465.4/16

Left Out: -0.546+/-0.000 χ^2/NDF : 46223905101.7/23

Right Out: -1.427+/-0.000 χ^2/NDF : 29588471982.5/18

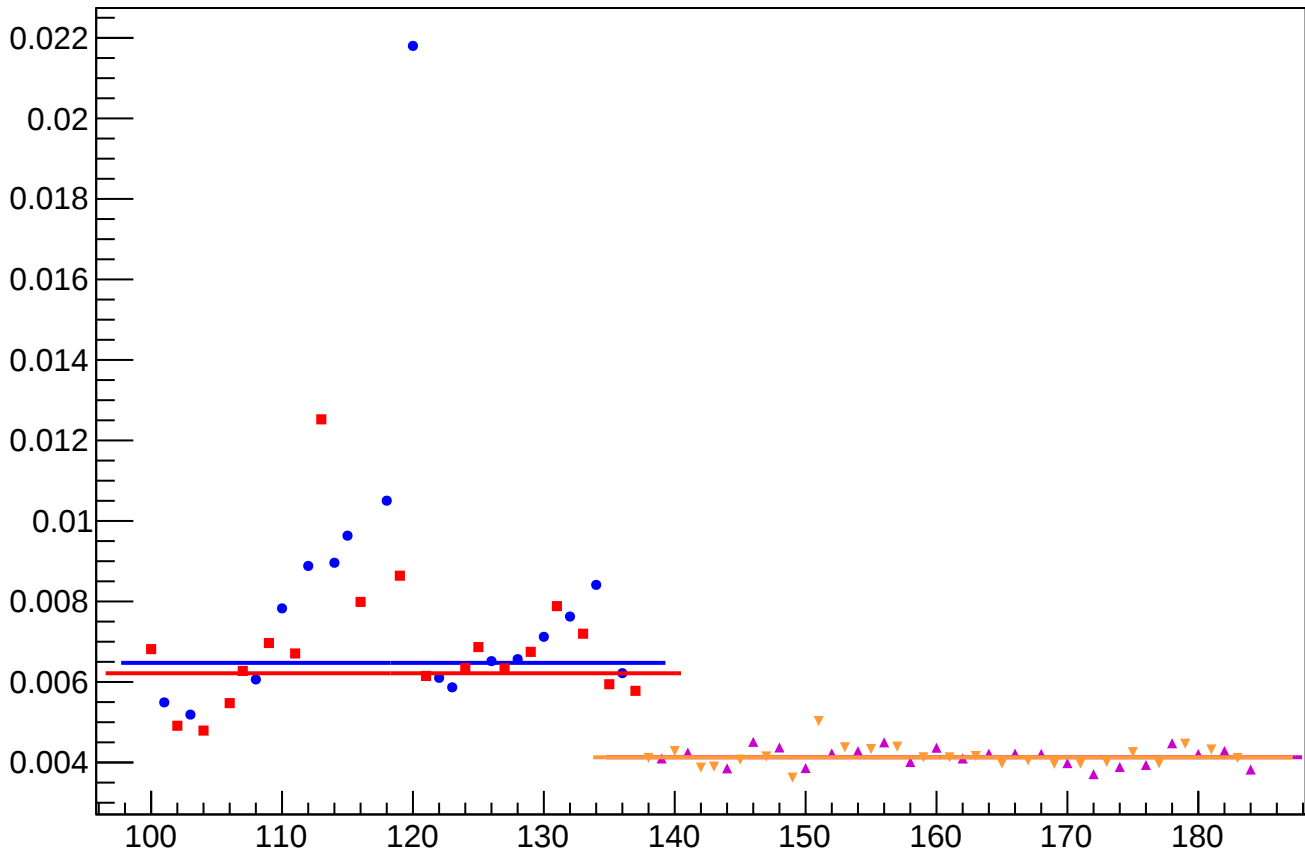
Left In: -0.532+/-0.000 χ^2/NDF : 30715235426.8/22

+ sign -0.644+/-0.000 χ^2/NDF : 145514614249.2/40

All: -0.650+/-0.000 χ^2/NDF : 310404527234.8

- sign -0.657+/-0.000 χ^2/NDF : 164797124673.1/41

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 : 111162.7/23

Right Out: 0.006+/-0.000 χ^2/NDF : 418205.6/18

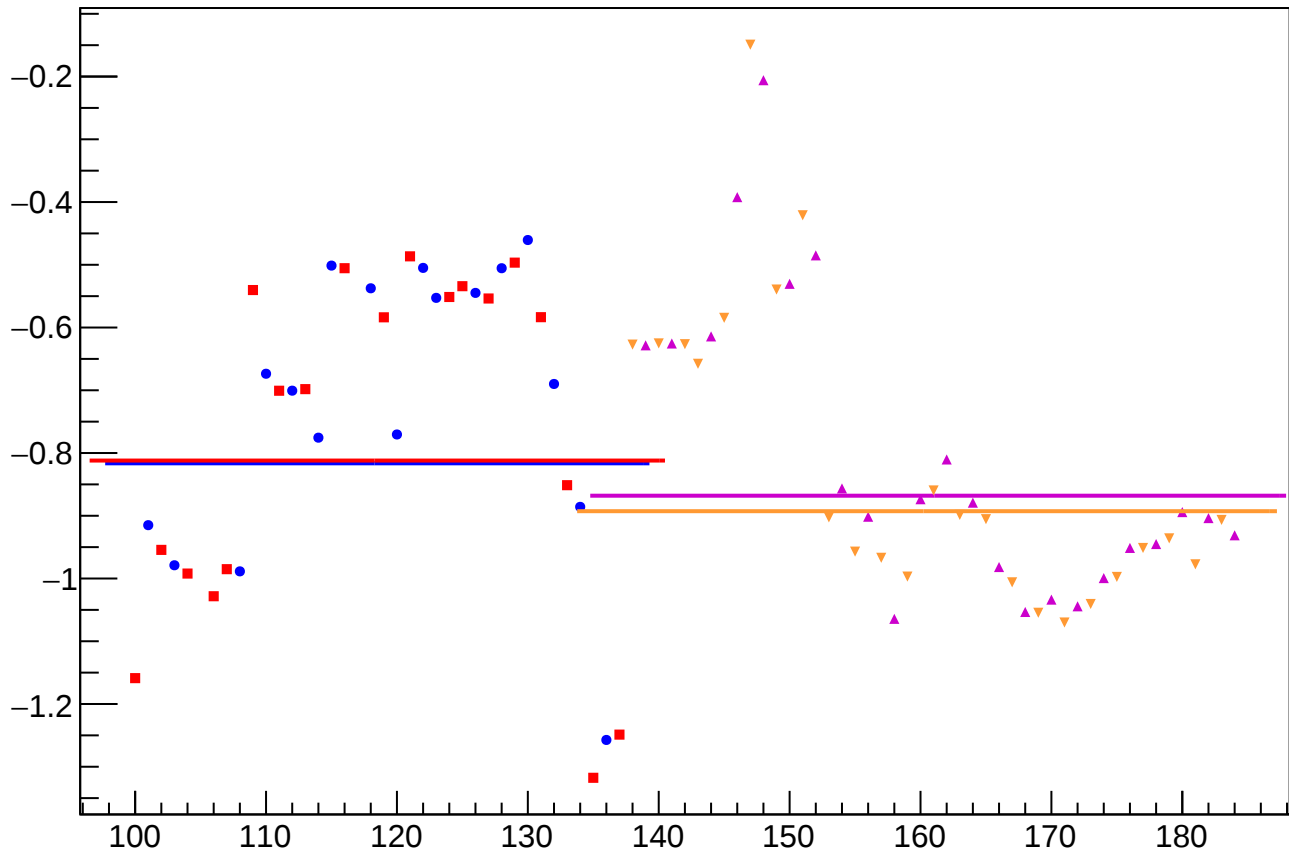
Left In: 0.004+/-0.000 χ^2/NDF : 93111.2/22

+ sign 0.004+/-0.000 χ^2/NDF : 1939073.5/40

All: 0.004+/-0.000 χ^2/NDF : 3587299.0/82

- sign 0.004+/-0.000 χ^2/NDF : 1647950.2/41

yield_bpm0i07X_mean vs Slug



Right In: -0.816+/-0.000 χ^2/NDF : 14108272810.0/16

Left Out: -0.893+/-0.000 χ^2/NDF : 40585532587.7/23

Right Out: -0.812+/-0.000 χ^2/NDF : 16809508448.8/18

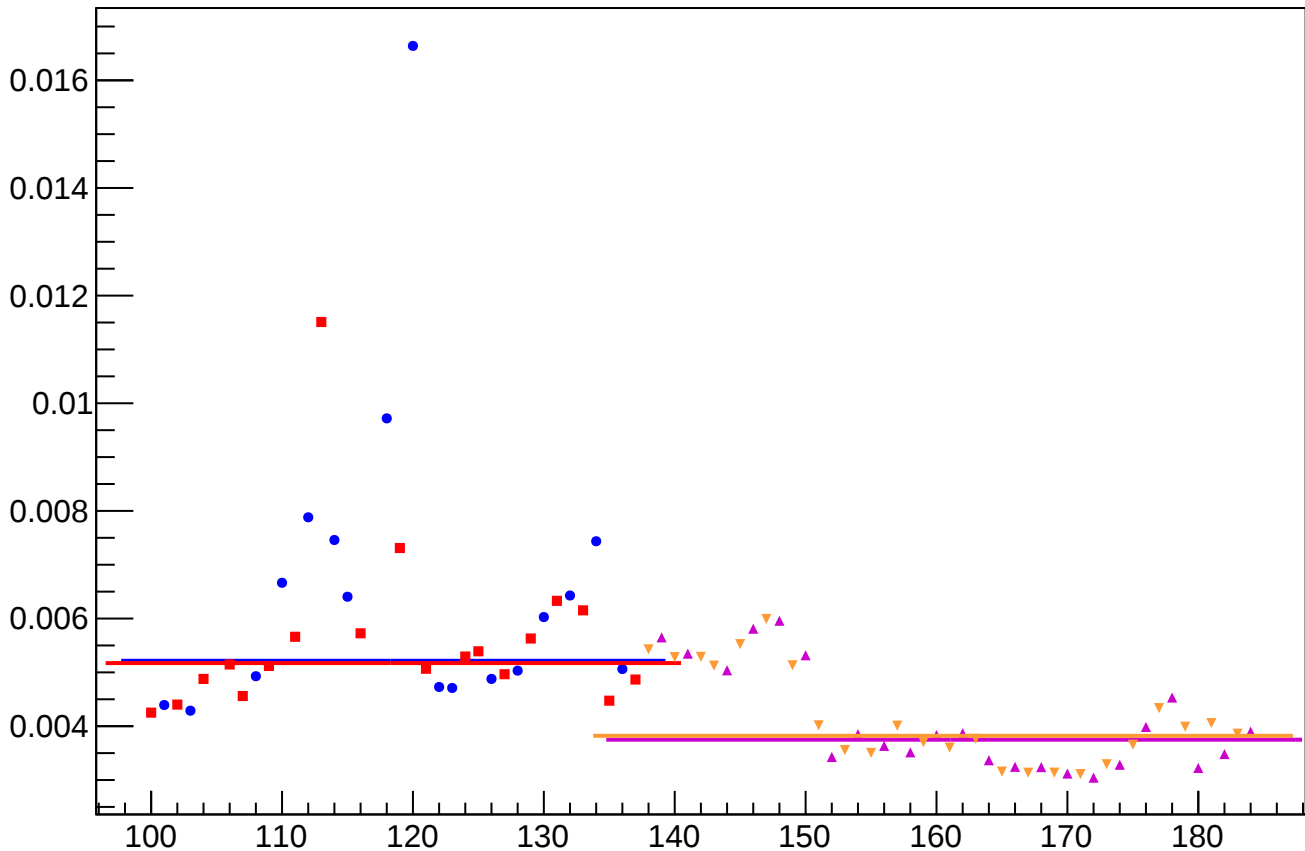
Left In: -0.868+/-0.000 χ^2/NDF : 43853190177.2/22

+ sign -0.881+/-0.000 χ^2/NDF : 55662779881.3/40

All: -0.870+/-0.000 χ^2/NDF : 117240197917.6

- sign -0.859+/-0.000 χ^2/NDF : 61242667783.7/41

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:1157646.2/23

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 359707.6/18

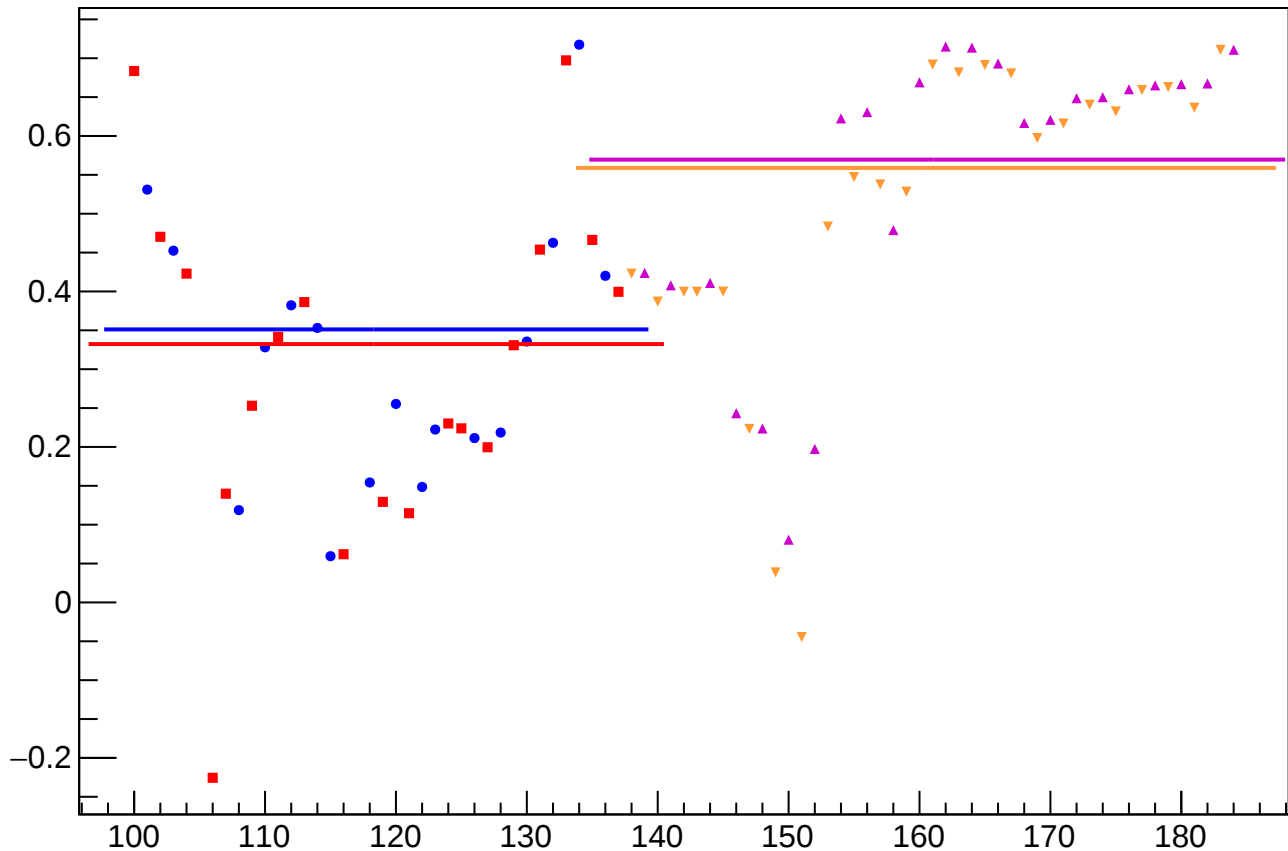
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1288490.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2466664.5/40

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4866737.7/82

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2397272.3/41

yield_bpm0i07Y_mean vs Slug



Right In: 0.351+/-0.000 χ^2/NDF : 7385246200.8/16

Left Out: 0.559+/-0.000 χ^2/NDF : 44560648580.3/23

Right Out: 0.332+/-0.000 χ^2/NDF : 11783358695.7/18

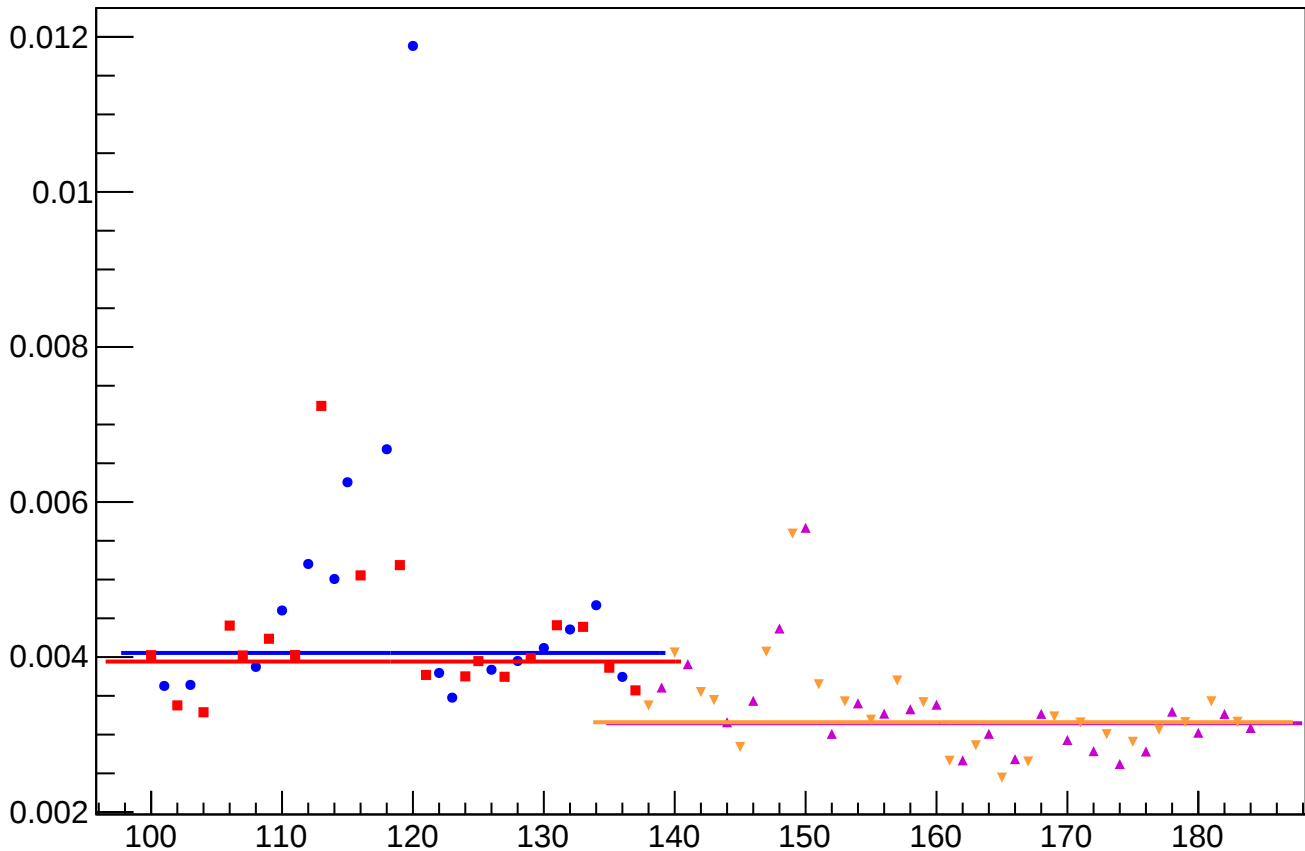
Left In: 0.570+/-0.000 χ^2/NDF : 42104067973.0/22

+ sign 0.522+/-0.000 χ^2/NDF : 64198183980.4/40

All: 0.522+/-0.000 χ^2/NDF : 135735813984.1

- sign 0.522+/-0.000 χ^2/NDF : 71537627996.1/41

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: 736634.7/23

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 259219.7/18

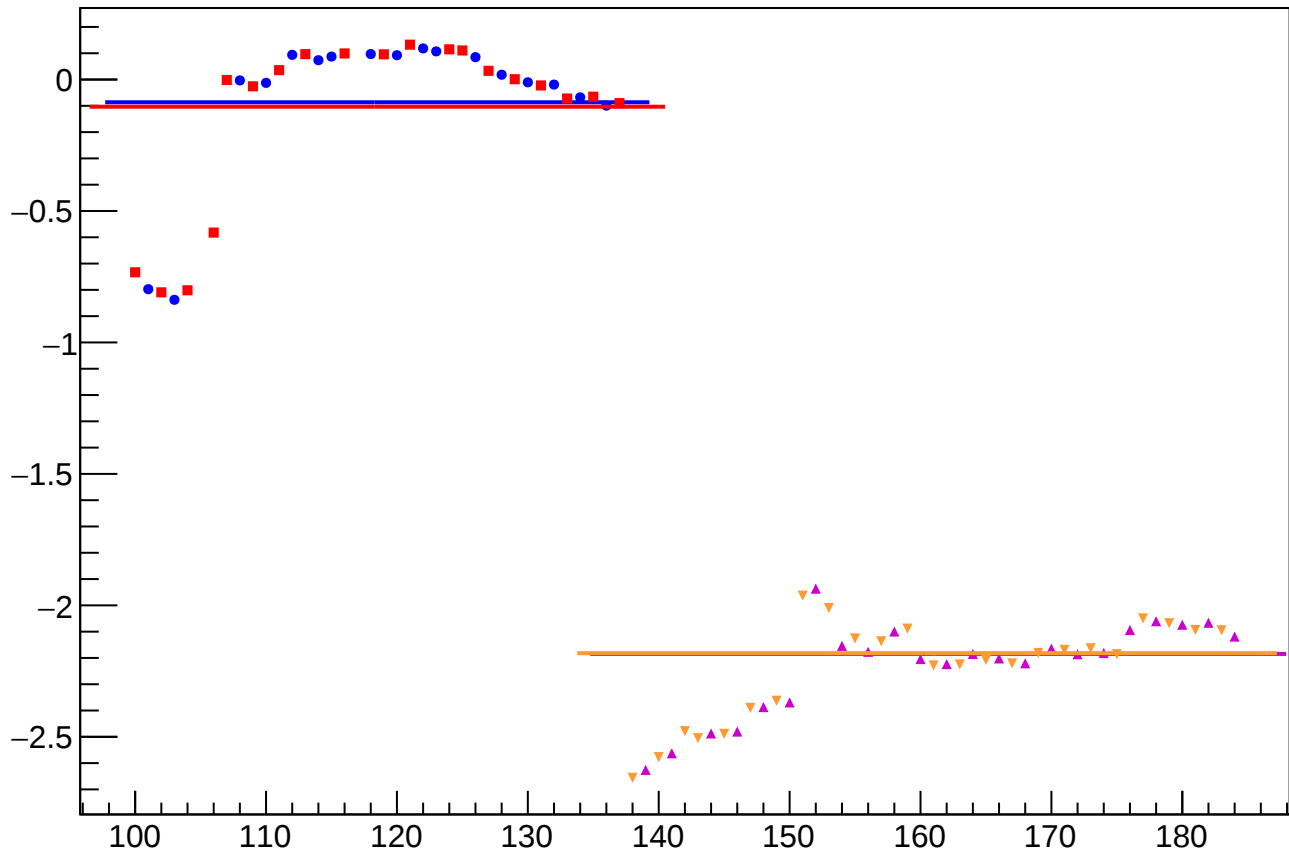
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 716402.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1643844.6/40

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3016741.5/82

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1372588.9/41

yield_bpm1i02X_mean vs Slug



Right In: -0.086 ± 0.000 χ^2/NDF : 4986216359.8/16

Left Out: -2.182 ± 0.000 χ^2/NDF : 3955703389.5/23

Right Out: -0.103 ± 0.000 χ^2/NDF : 5547327629.3/18

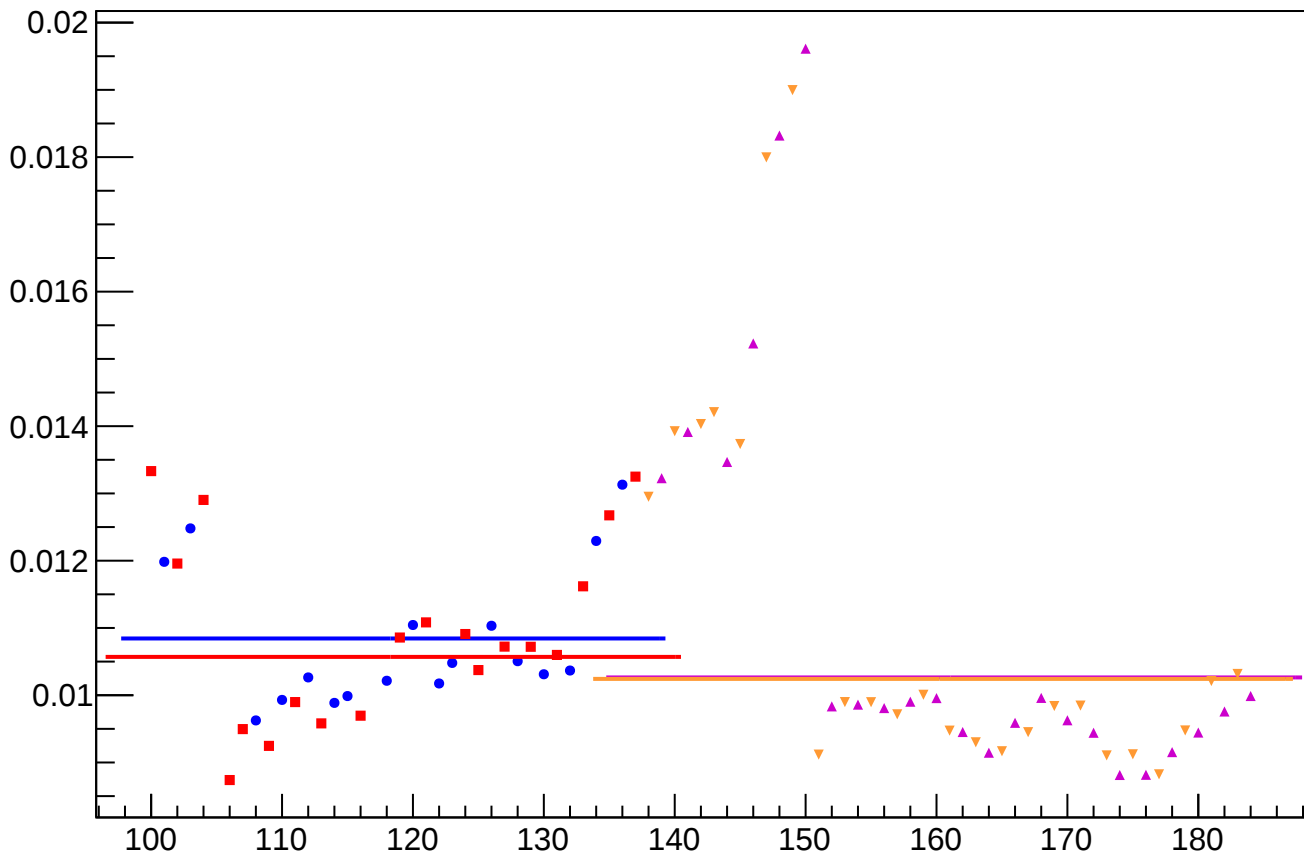
Left In: -2.185 ± 0.000 χ^2/NDF : 3372742534.3/22

+ sign -1.649 ± 0.000 χ^2/NDF : 193091323440.0/40

All: -1.621 ± 0.000 χ^2/NDF : 396346731309.7

- sign -1.593 ± 0.000 χ^2/NDF : 202908779616.4/41

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 :1254659.6/23

Right Out: 0.011+/-0.000 χ^2/NDF : 178759.8/18

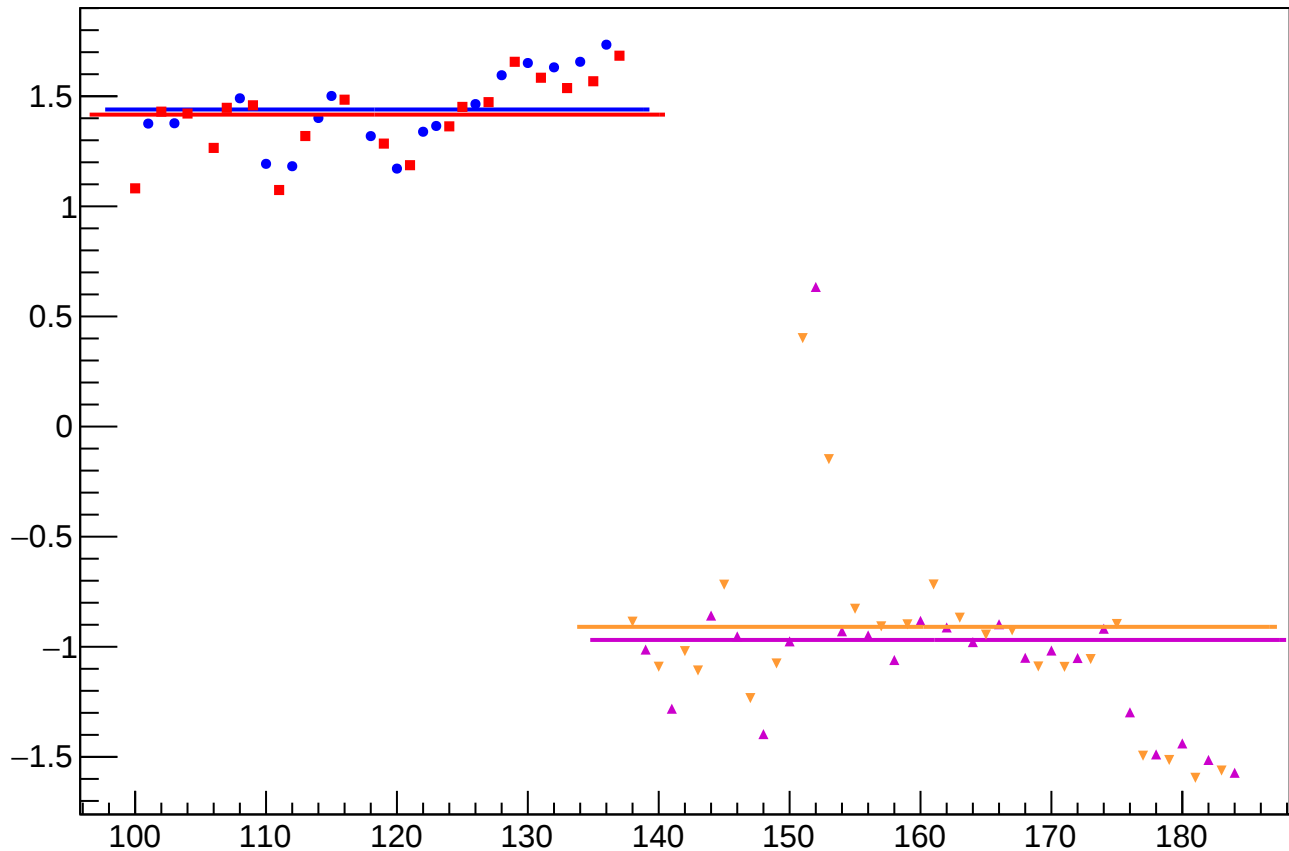
Left In: 0.010+/-0.000 χ^2/NDF :1340264.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 1409122.4/40

All: 0.010+/-0.000 χ^2/NDF : 2936935.0/82

- sign 0.010+/-0.000 χ^2/NDF : 1527378.1/41

yield_bpm1i02Y_mean vs Slug



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3439698839.5/16

Left Out: -0.909 $\pm$ 0.000 χ^2 /NDF: 54055389599.1/23

Right Out: 1.416 $\pm$ 0.000 χ^2 /NDF: 2670163204.9/18

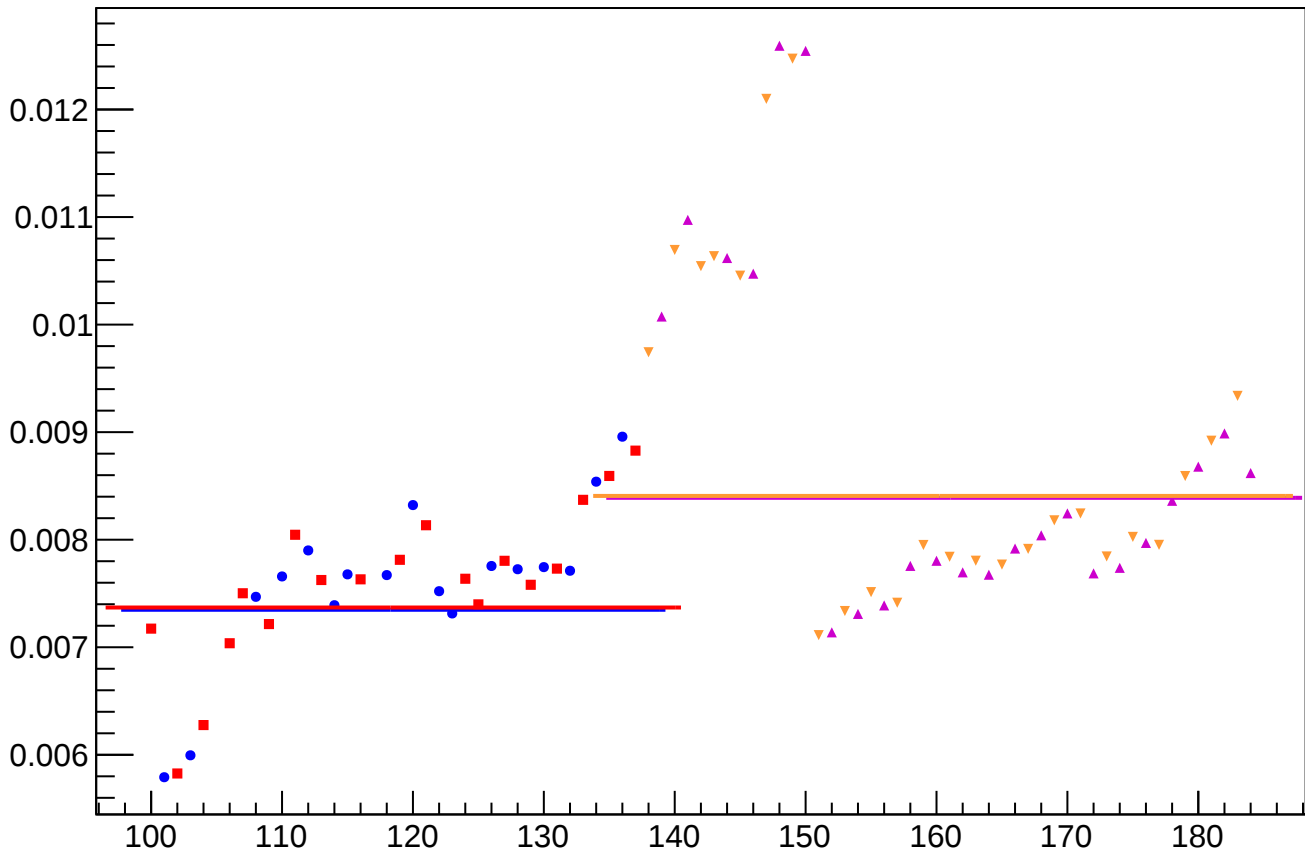
Left In: -0.969 $\pm$ 0.000 χ^2 /NDF: 54895002535.8/22

+ sign -0.137 $\pm$ 0.000 χ^2 /NDF: 507881097119.1/40

All: -0.136 $\pm$ 0.000 χ^2 /NDF: 1041939461624

- sign -0.135 $\pm$ 0.000 χ^2 /NDF: 534057183157.1/41

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 : 776730.0/23

Right Out: 0.007+/-0.000 χ^2/NDF : 172418.5/18

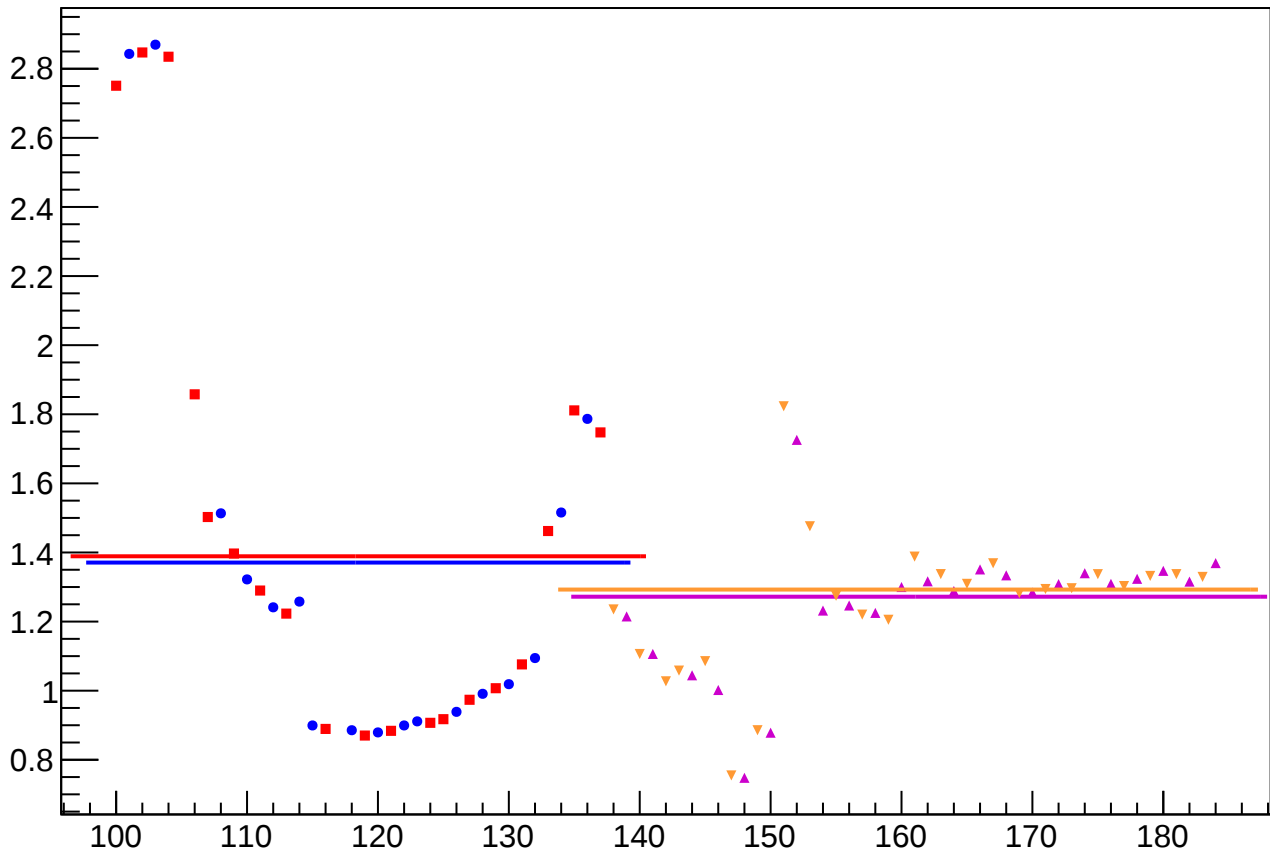
Left In: 0.008+/-0.000 χ^2/NDF : 839880.4/22

+ sign 0.008+/-0.000 χ^2/NDF : 1188261.7/40

All: 0.008+/-0.000 χ^2/NDF : 2375046.6/82

- sign 0.008+/-0.000 χ^2/NDF : 1186527.9/41

yield_bpm1i04X_mean vs Slug



Right In: 1.371+/-0.000 χ^2/NDF : 54119122912.8/16

Left Out: 1.293+/-0.000 χ^2/NDF : 9208140224.4/23

Right Out: 1.389+/-0.000 χ^2/NDF : 49832414351.9/18

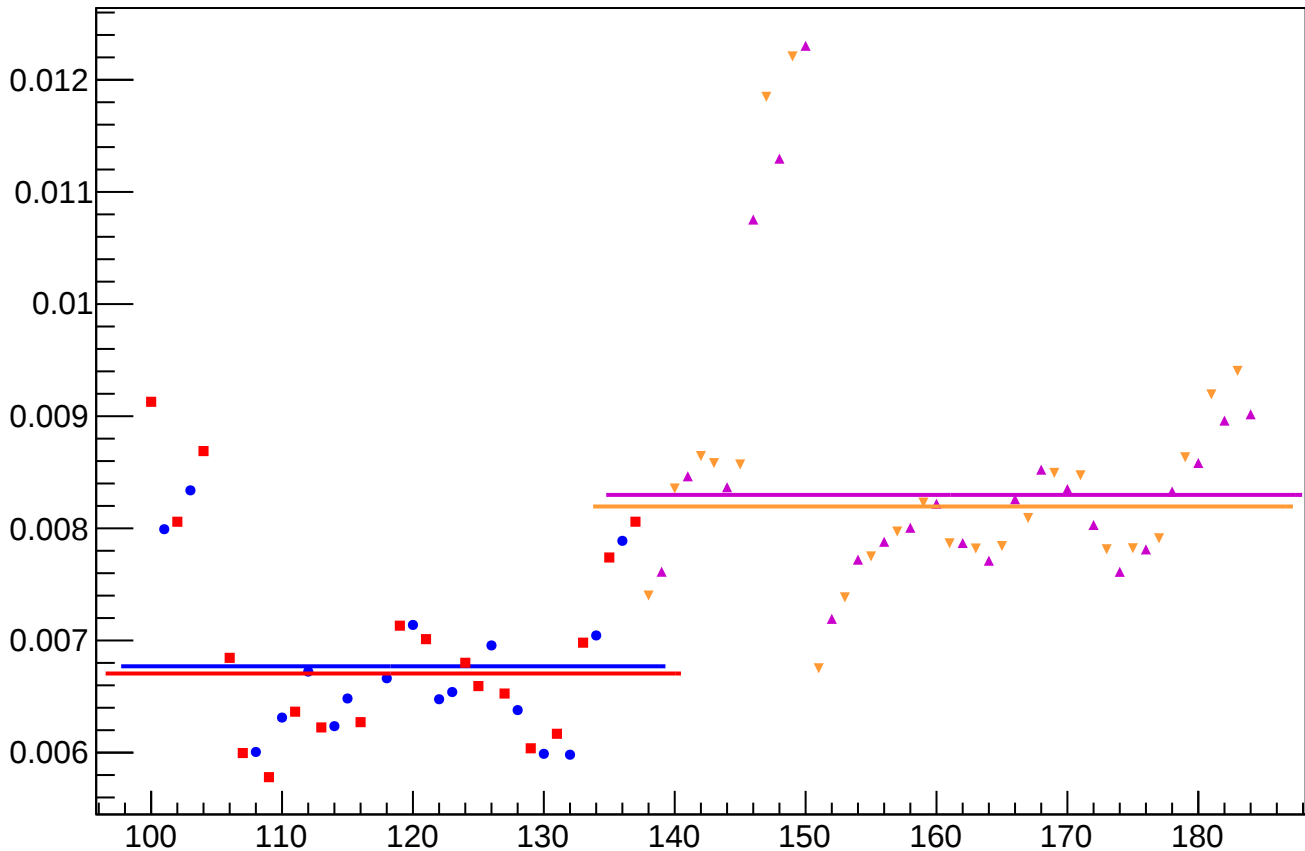
Left In: 1.272+/-0.000 χ^2/NDF : 7573930981.2/22

+ sign 1.321+/-0.000 χ^2/NDF : 63891170246.1/40

All: 1.319+/-0.000 χ^2/NDF : 122596678420.5

- sign 1.318+/-0.000 χ^2/NDF : 58703618176.9/41

yield_bpm1i04X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 158743.1/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 471602.2/23

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 189225.3/18

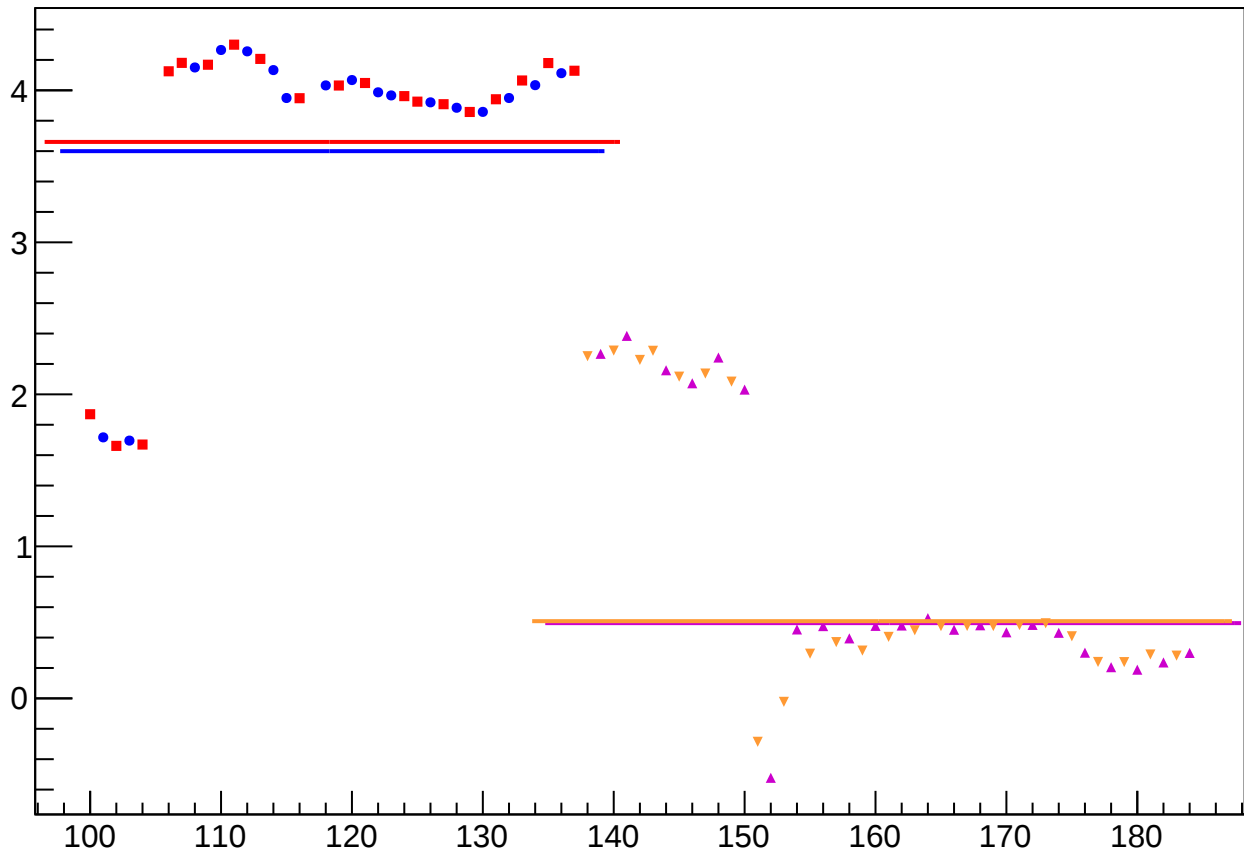
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 462022.1/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1005638.9/40

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2137870.4/82

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1132210.9/41

yield_bpm1i04Y_mean vs Slug



Right In: 3.600 $\pm$ 0.000 χ^2 /NDF: 185703271625.0/16

Left Out: 0.508 $\pm$ 0.000 χ^2 /NDF: 268469109817.6/23

Right Out: 3.661 $\pm$ 0.000 χ^2 /NDF: 192461584002.7/18

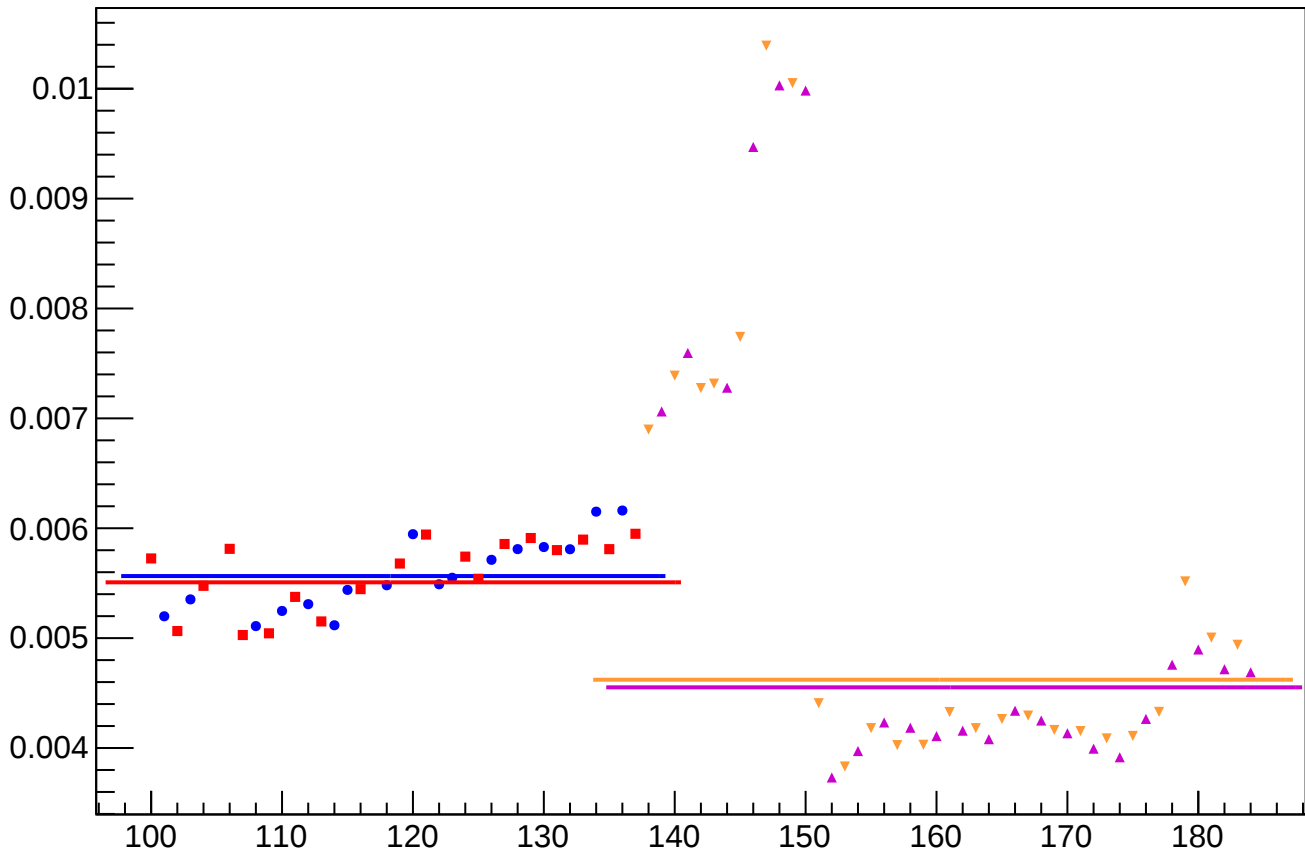
Left In: 0.495 $\pm$ 0.000 χ^2 /NDF: 268863202792.4/22

+ sign 1.187 $\pm$ 0.000 χ^2 /NDF: 2058982410795.3/40

All: 1.208 $\pm$ 0.000 χ^2 /NDF: 4280621139354.0

- sign 1.228 $\pm$ 0.000 χ^2 /NDF: 2220789365451.8/41

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 :2080997.8/23

Right Out: 0.006+/-0.000 χ^2/NDF : 52399.9/18

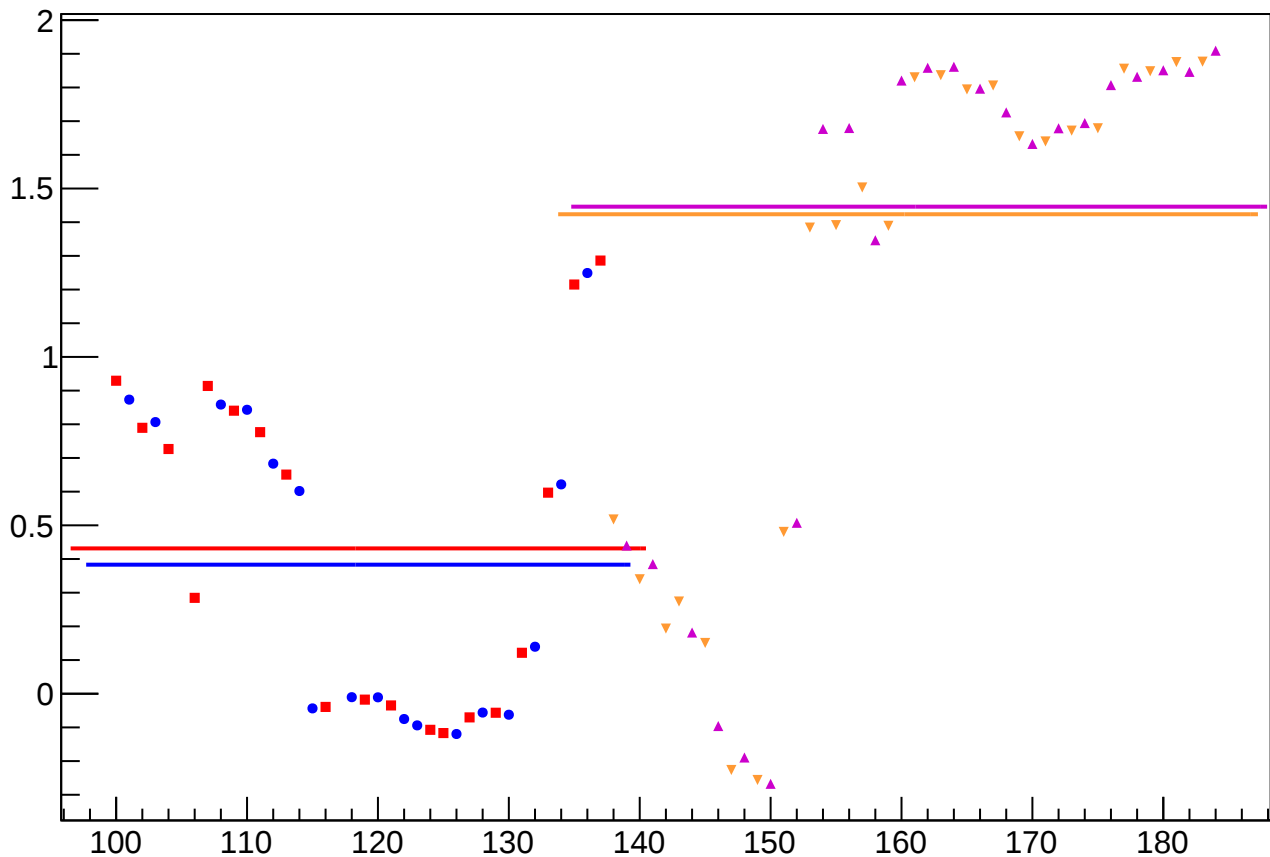
Left In: 0.005+/-0.000 χ^2/NDF :2237666.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 2427759.9/40

All: 0.005+/-0.000 χ^2/NDF : 5041572.8/82

- sign 0.005+/-0.000 χ^2/NDF : 2610818.3/41

yield_bpm1i06X_mean vs Slug



Right In: 0.383+/-0.000 χ^2/NDF : 7098148199.8/16

Left Out: 1.424+/-0.000 χ^2/NDF : 48927255811.8/23

Right Out: 0.431+/-0.000 χ^2/NDF : 6652460982.8/18

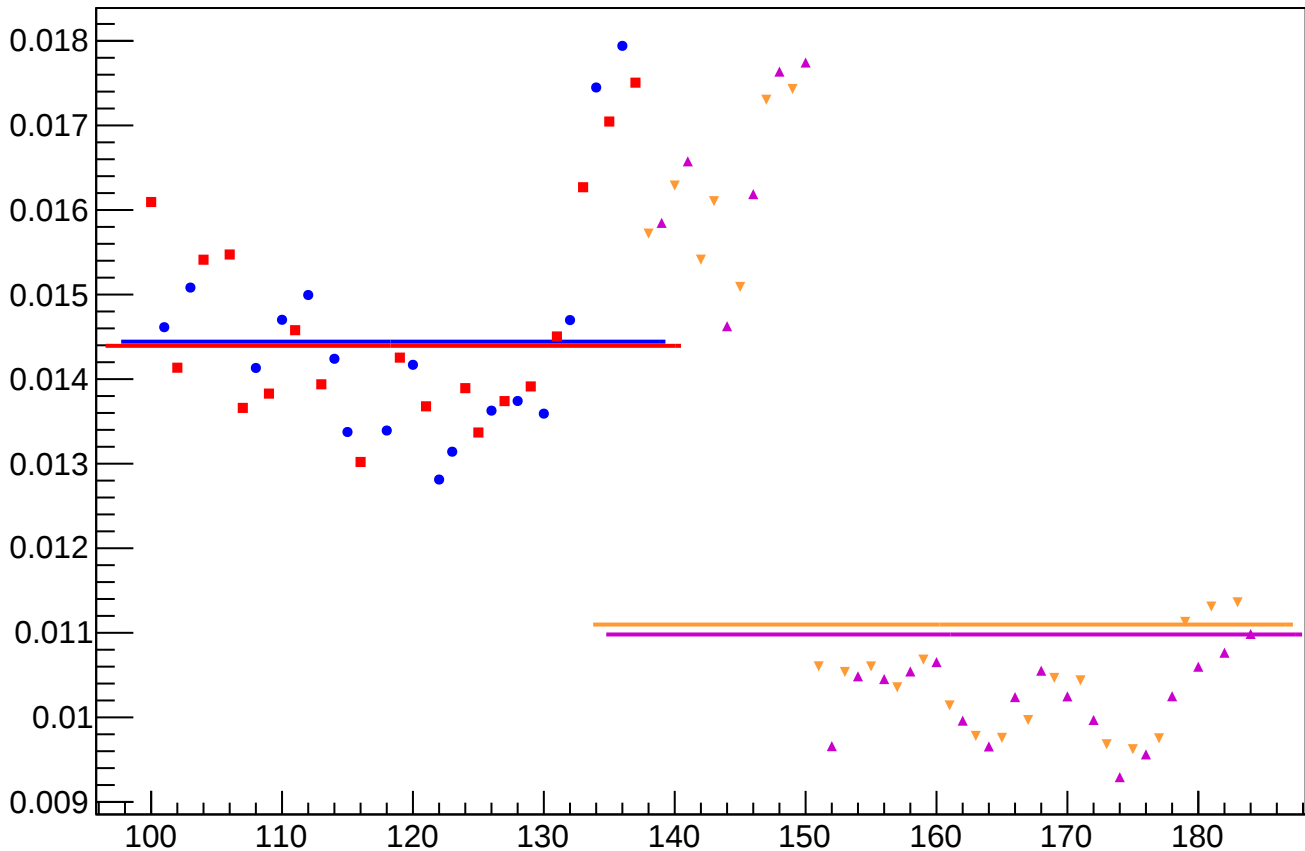
Left In: 1.446+/-0.000 χ^2/NDF : 53752493130.3/22

+ sign 1.232+/-0.000 χ^2/NDF : 83958583539.4/40

All: 1.240+/-0.000 χ^2/NDF : 172053162270.0

- sign 1.248+/-0.000 χ^2/NDF : 88072613478.8/41

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 :1207732.9/23

Right Out: 0.014+/-0.000 χ^2/NDF : 74186.8/18

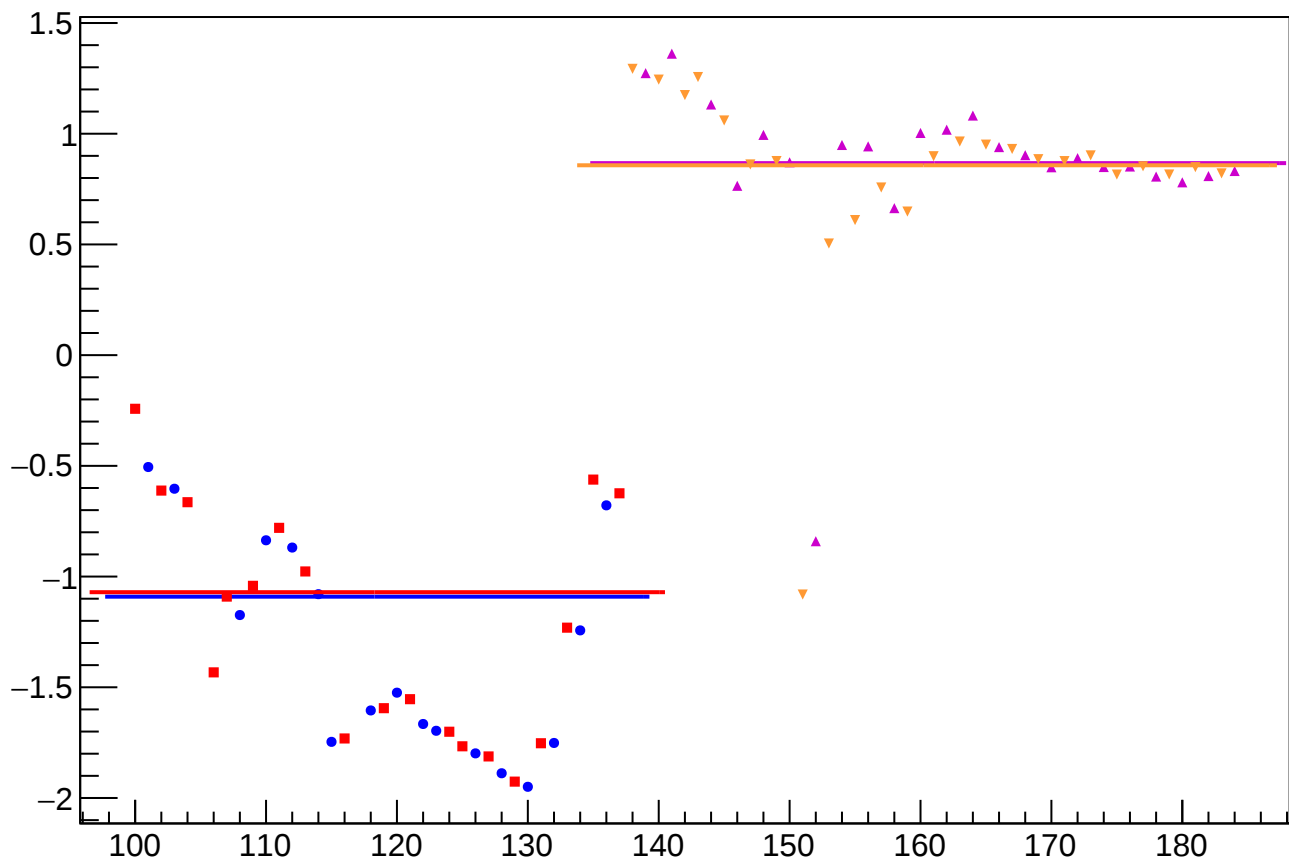
Left In: 0.011+/-0.000 χ^2/NDF :1264827.0/22

+ sign 0.012+/-0.000 χ^2/NDF : 1894691.8/40

All: 0.012+/-0.000 χ^2/NDF : 3860773.4/82

- sign 0.012+/-0.000 χ^2/NDF : 1965313.3/41

yield_bpm1i06Y_mean vs Slug



Right In: -1.091+/-0.000 χ^2/NDF : 55542430282.4/16

Left Out: 0.857+/-0.000 χ^2/NDF :125201043091.3/23

Right Out: -1.071+/-0.000 χ^2/NDF : 46725373904.4/18

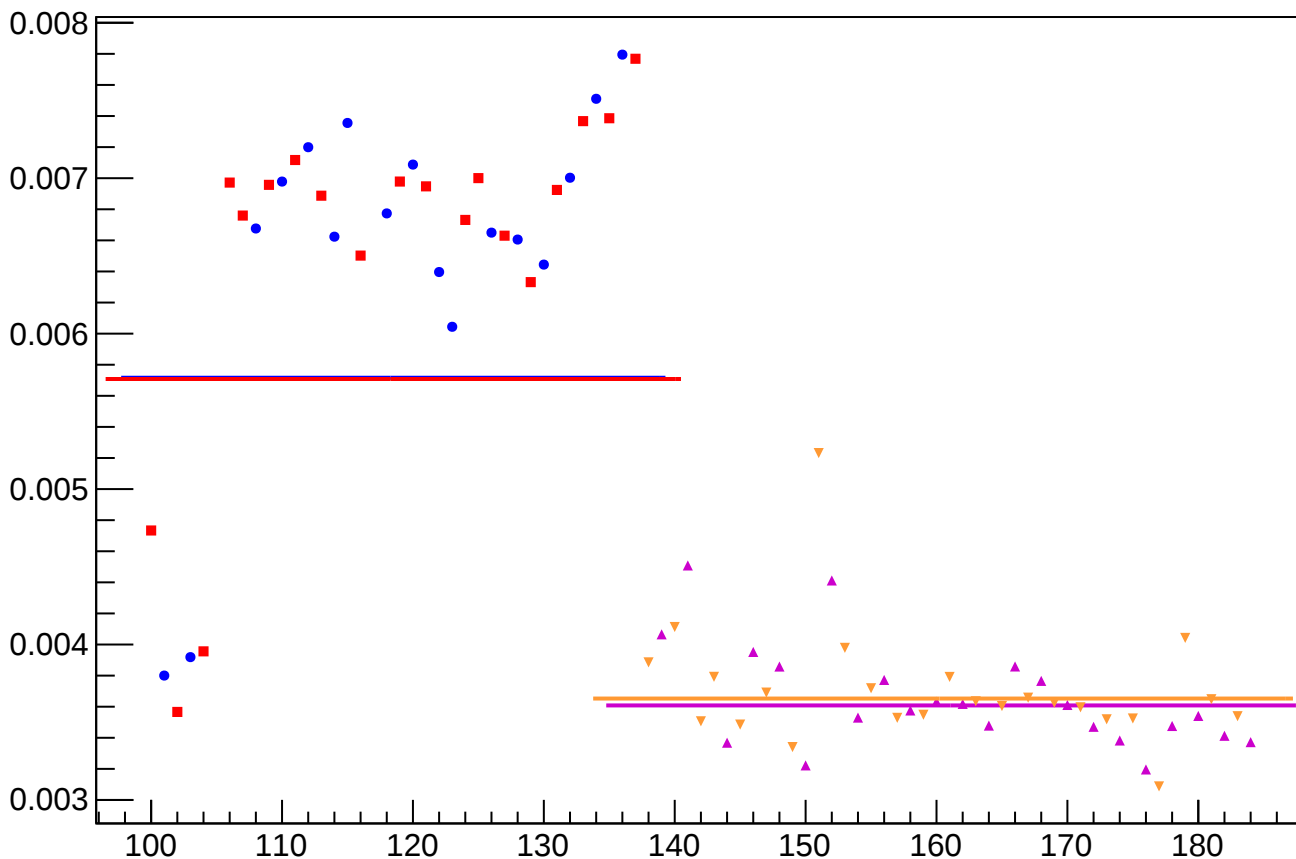
Left In: 0.867+/-0.000 χ^2/NDF :147039402944.6/22

+ sign 0.607+/-0.000 χ^2/NDF : 779237501550.9/40

All: 0.606+/-0.000 χ^2/NDF : 1585144439691.3/41

- sign 0.605+/-0.000 χ^2/NDF : 805905318225.6/41

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 837929.9/16

Left Out: 0.004+/-0.000 χ^2/NDF :236493.7/23

Right Out: 0.006+/-0.000 χ^2/NDF : 921337.6/18

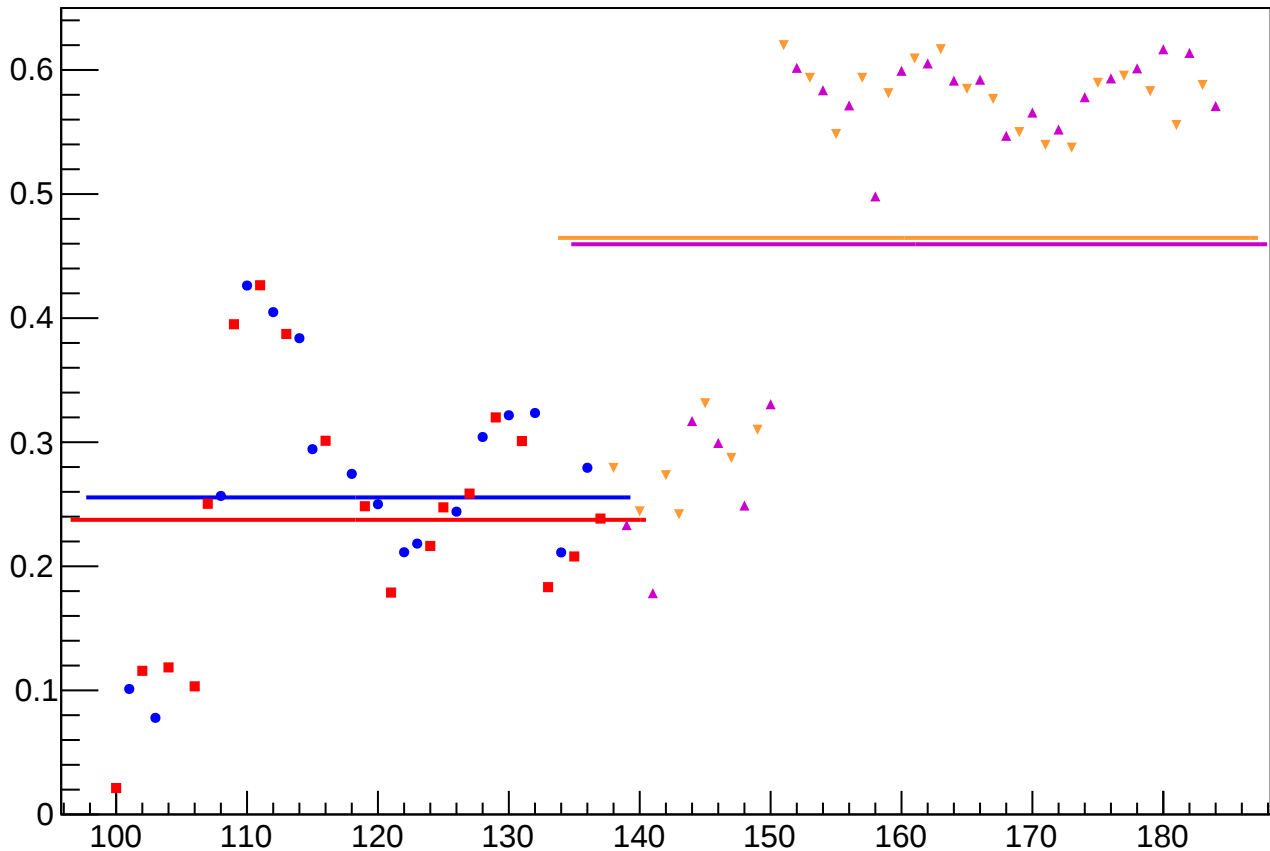
Left In: 0.004+/-0.000 χ^2/NDF :227861.4/22

+ sign 0.004+/-0.000 χ^2/NDF : 2417599.0/40

All: 0.004+/-0.000 χ^2/NDF : 5005740.7/82

- sign 0.004+/-0.000 χ^2/NDF : 2587194.2/41

yield_bpm2i01X_mean vs Slug



Right In: 0.256+/-0.000 χ^2/NDF : 21303879000.5/16

Left Out: 0.465+/-0.000 χ^2/NDF : 99701597851.4/23

Right Out: 0.237+/-0.000 χ^2/NDF : 26048163947.8/18

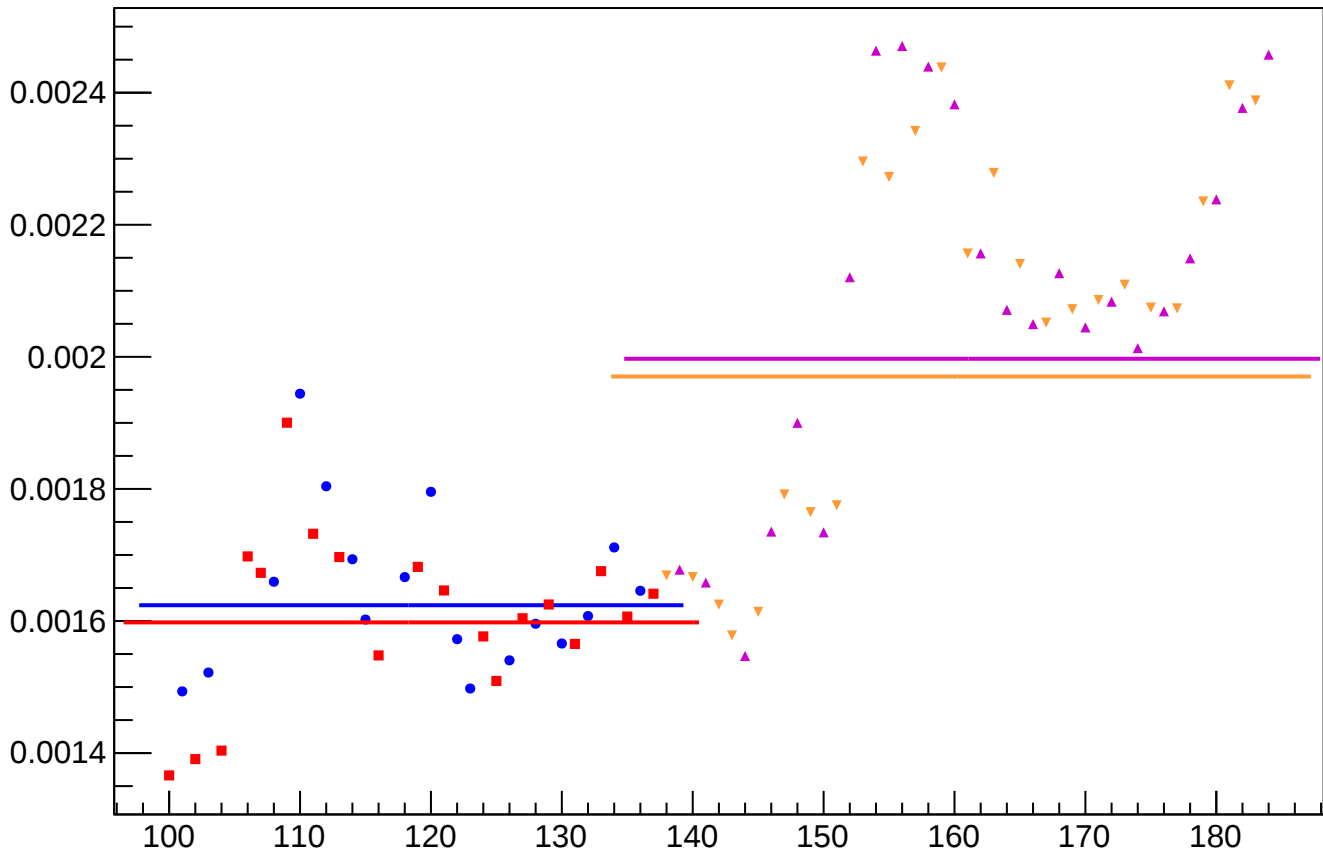
Left In: 0.460+/-0.000 χ^2/NDF : 104559088628.4/22

+ sign 0.391+/-0.000 χ^2/NDF : 190210011580.1/40

All: 0.382+/-0.000 χ^2/NDF : 403456494057.4

- sign 0.372+/-0.000 χ^2/NDF : 211996912746.1/41

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 : 695660.3/23

Right Out: 0.002+/-0.000 χ^2/NDF : 90592.9/18

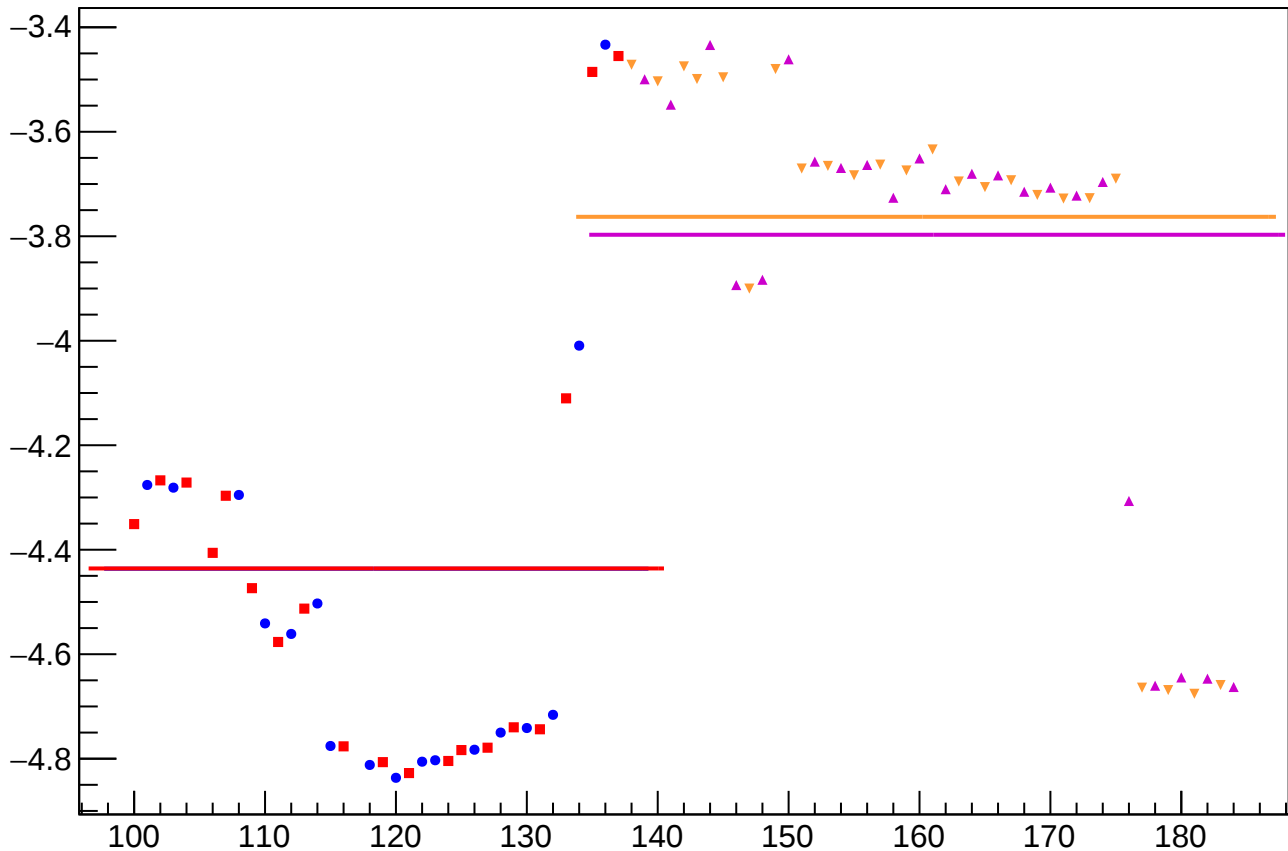
Left In: 0.002+/-0.000 χ^2/NDF : 666404.2/22

+ sign 0.002+/-0.000 χ^2/NDF : 1127490.5/40

All: 0.002+/-0.000 χ^2/NDF : 2410793.0/82

- sign 0.002+/-0.000 χ^2/NDF : 1282809.1/41

yield_bpm2i01Y_mean vs Slug



Right In: -4.436 $\pm$ 0.000 χ^2 /NDF: 392479534987.2/16

Left Out: -3.763 $\pm$ 0.000 χ^2 /NDF: 490769403389.3/23

Right Out: -4.436 $\pm$ 0.000 χ^2 /NDF: 324942318404.0/18

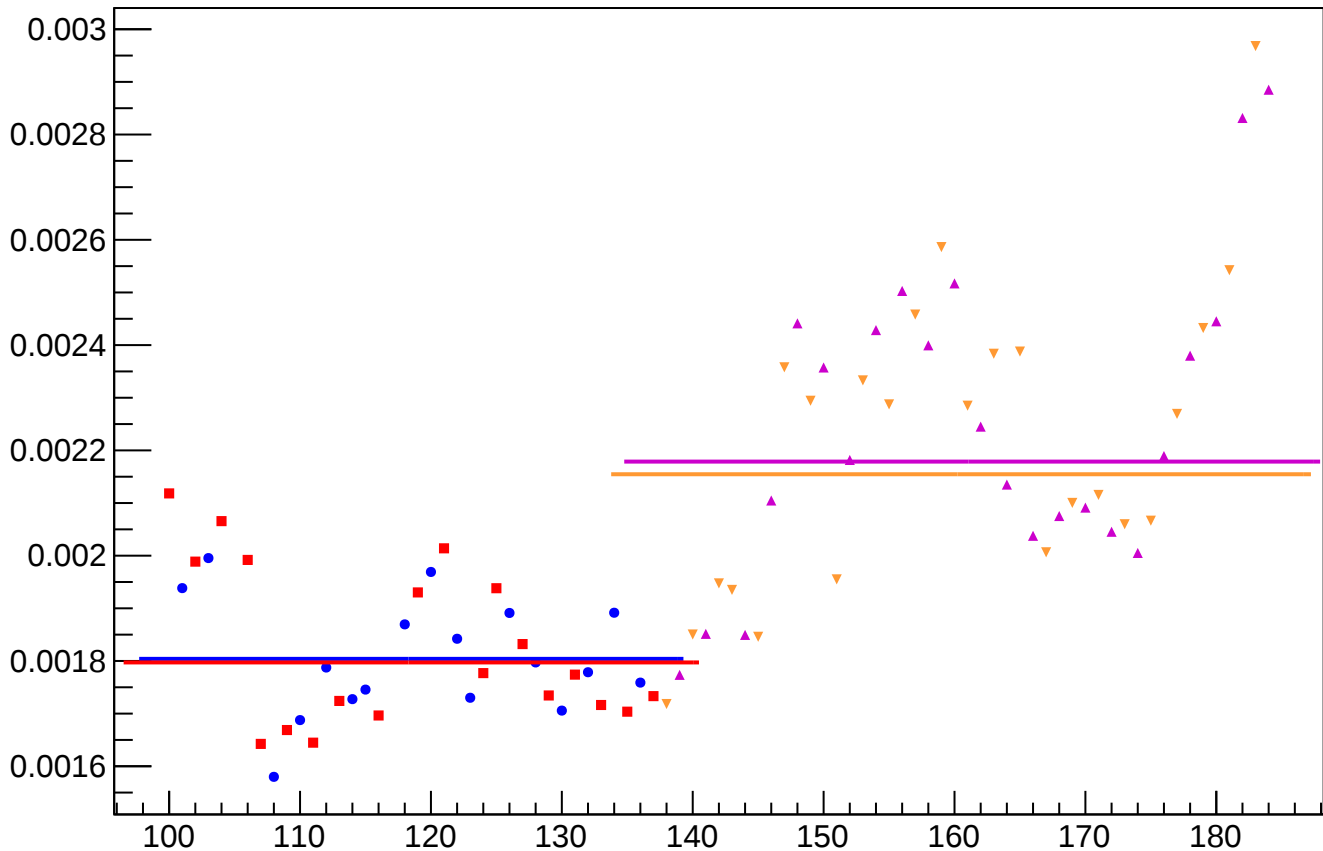
Left In: -3.797 $\pm$ 0.000 χ^2 /NDF: 444886272608.9/22

+ sign -3.996 $\pm$ 0.000 χ^2 /NDF: 1474079328123.1/4

All: -4.016 $\pm$ 0.000 χ^2 /NDF: 2790219295302

- sign -4.036 $\pm$ 0.000 χ^2 /NDF: 1311594313485.6/4

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 :515550.7/23

Right Out: 0.002+/-0.000 χ^2/NDF : 80681.9/18

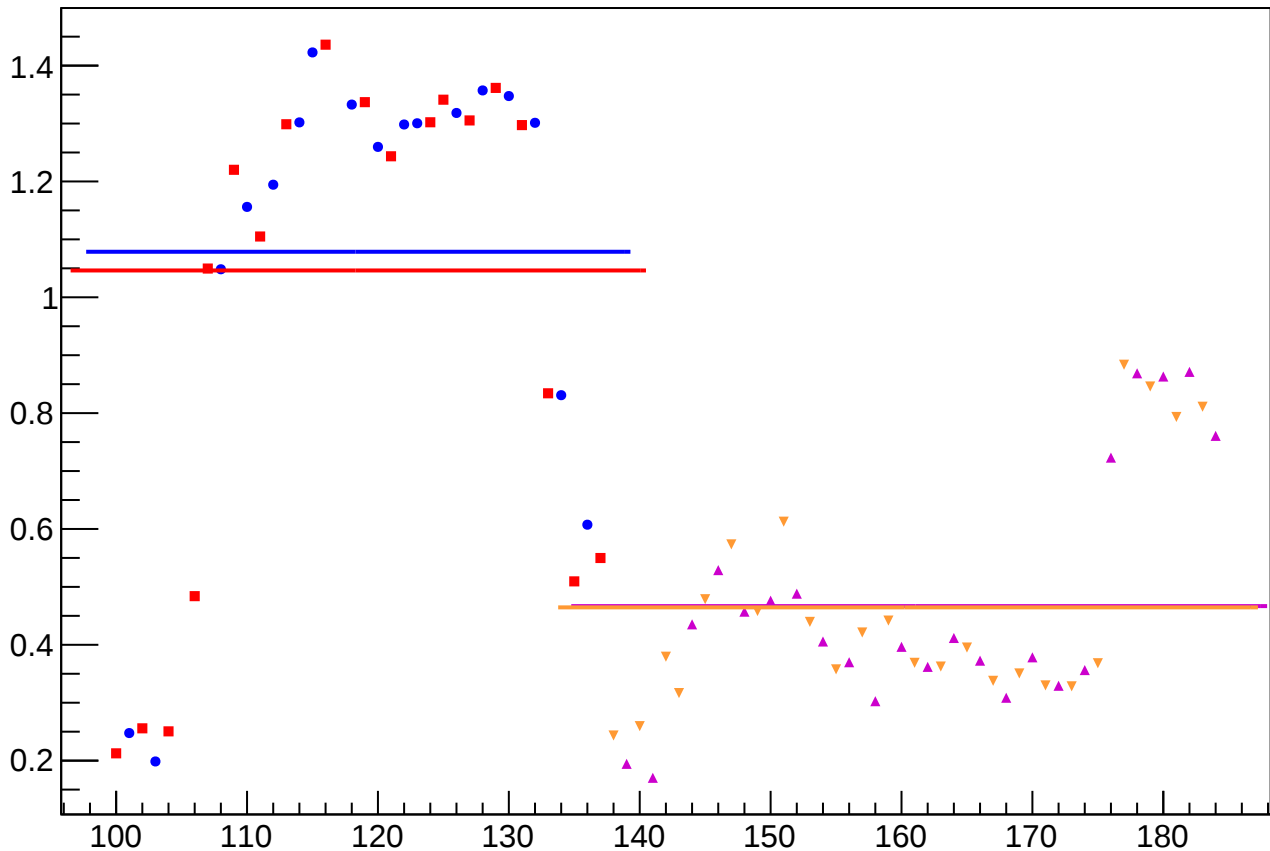
Left In: 0.002+/-0.000 χ^2/NDF :463279.7/22

+ sign 0.002+/-0.000 χ^2/NDF : 883897.0/40

All: 0.002+/-0.000 χ^2/NDF : 1814458.4/82

- sign 0.002+/-0.000 χ^2/NDF : 930515.7/41

yield_bpm2i02X_mean vs Slug



Right In: 1.079+/-0.000 χ^2/NDF : 17504335724.9/16

Left Out: 0.465+/-0.000 χ^2/NDF : 7141428547.3/23

Right Out: 1.046+/-0.000 χ^2/NDF : 19655971884.7/18

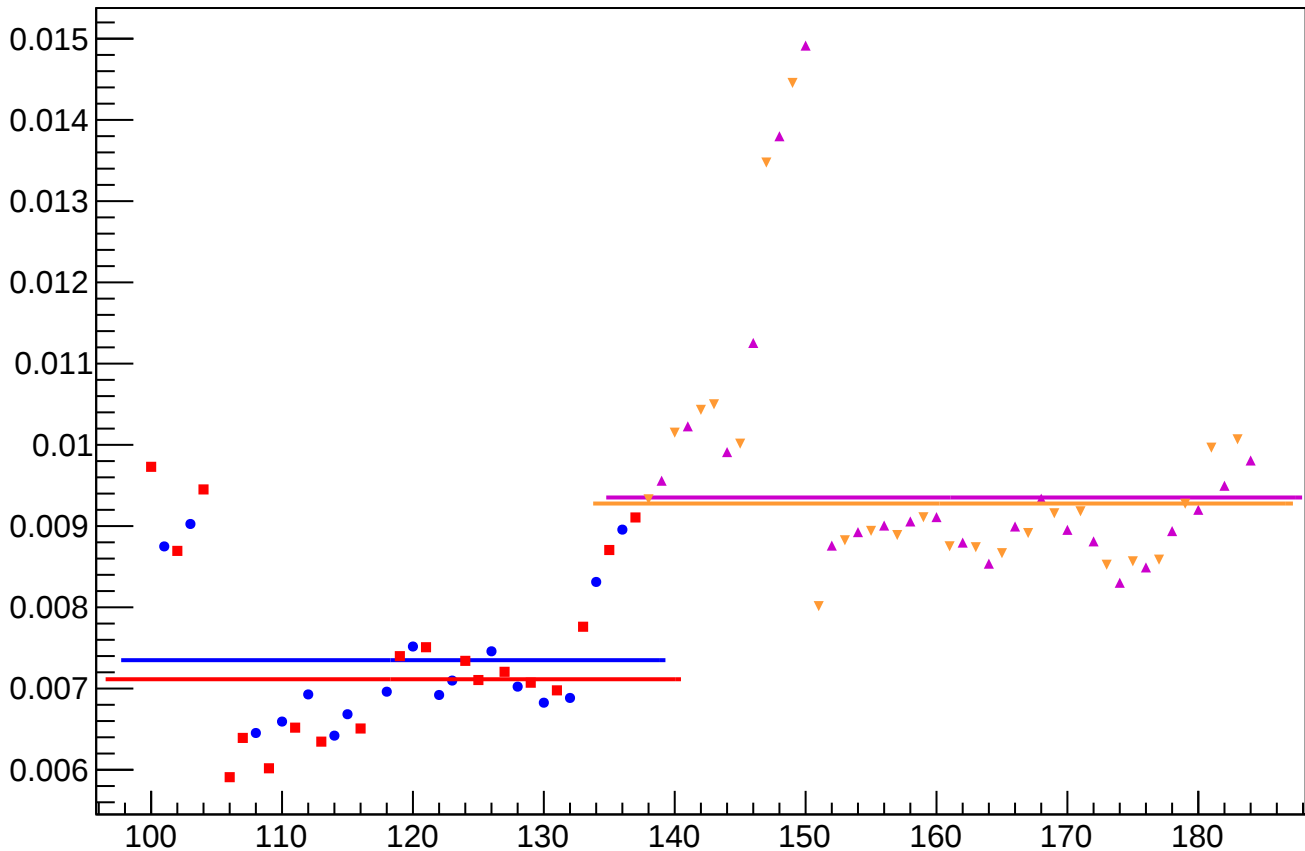
Left In: 0.467+/-0.000 χ^2/NDF : 8036741308.0/22

+ sign 0.693+/-0.000 χ^2/NDF : 53490270553.0/40

All: 0.700+/-0.000 χ^2/NDF : 108239054726.3

- sign 0.707+/-0.000 χ^2/NDF : 54717970563.7/41

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 : 522318.8/23

Right Out: 0.007+/-0.000 χ^2/NDF : 259361.2/18

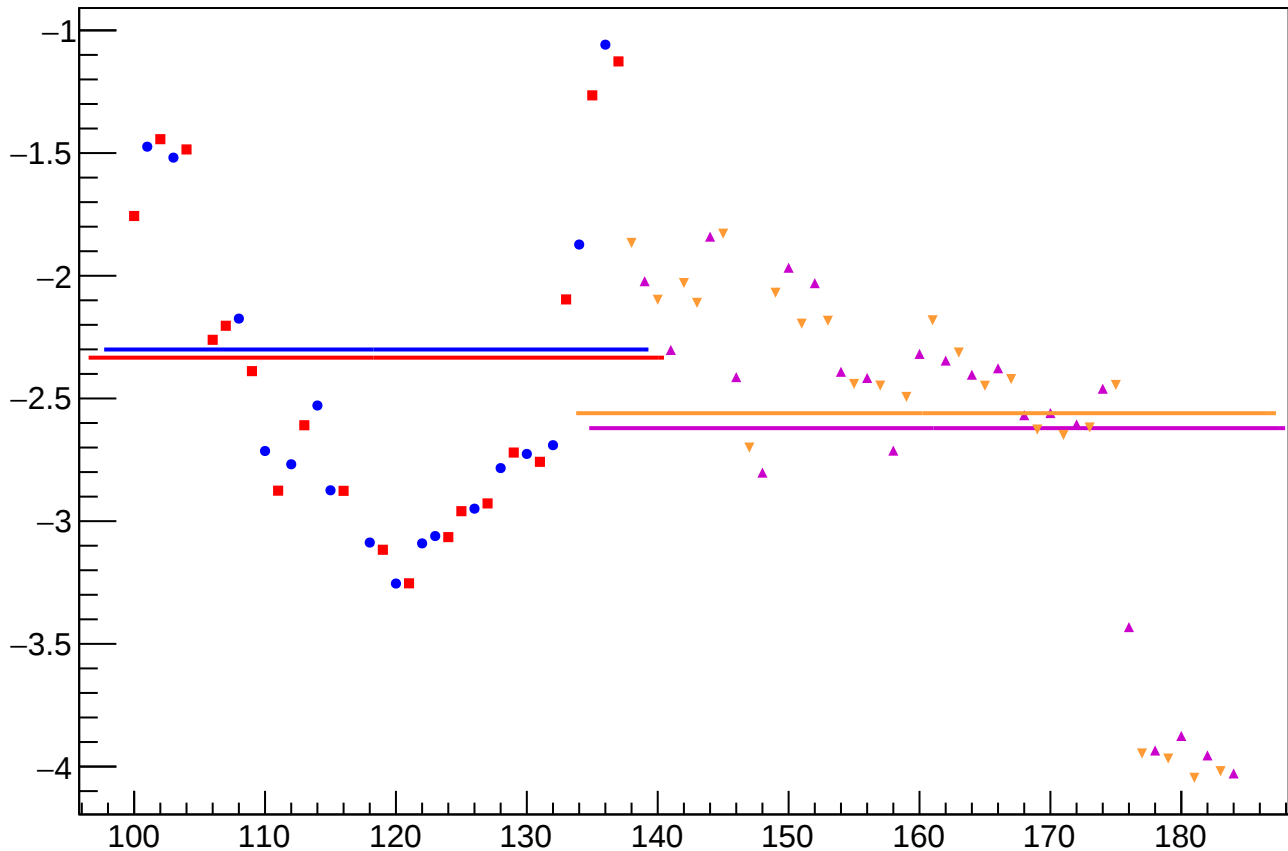
Left In: 0.009+/-0.000 χ^2/NDF : 557555.2/22

+ sign 0.009+/-0.000 χ^2/NDF : 1272190.4/40

All: 0.008+/-0.000 χ^2/NDF : 2900821.3/82

- sign 0.008+/-0.000 χ^2/NDF : 1622658.2/41

yield_bpm2i02Y_mean vs Slug



Right In: -2.300+/-0.000 χ^2/NDF : 73601400403.2/16

Left Out: -2.560+/-0.000 χ^2/NDF : 93346688817.1/23

Right Out: -2.334+/-0.000 χ^2/NDF : 64343197509.4/18

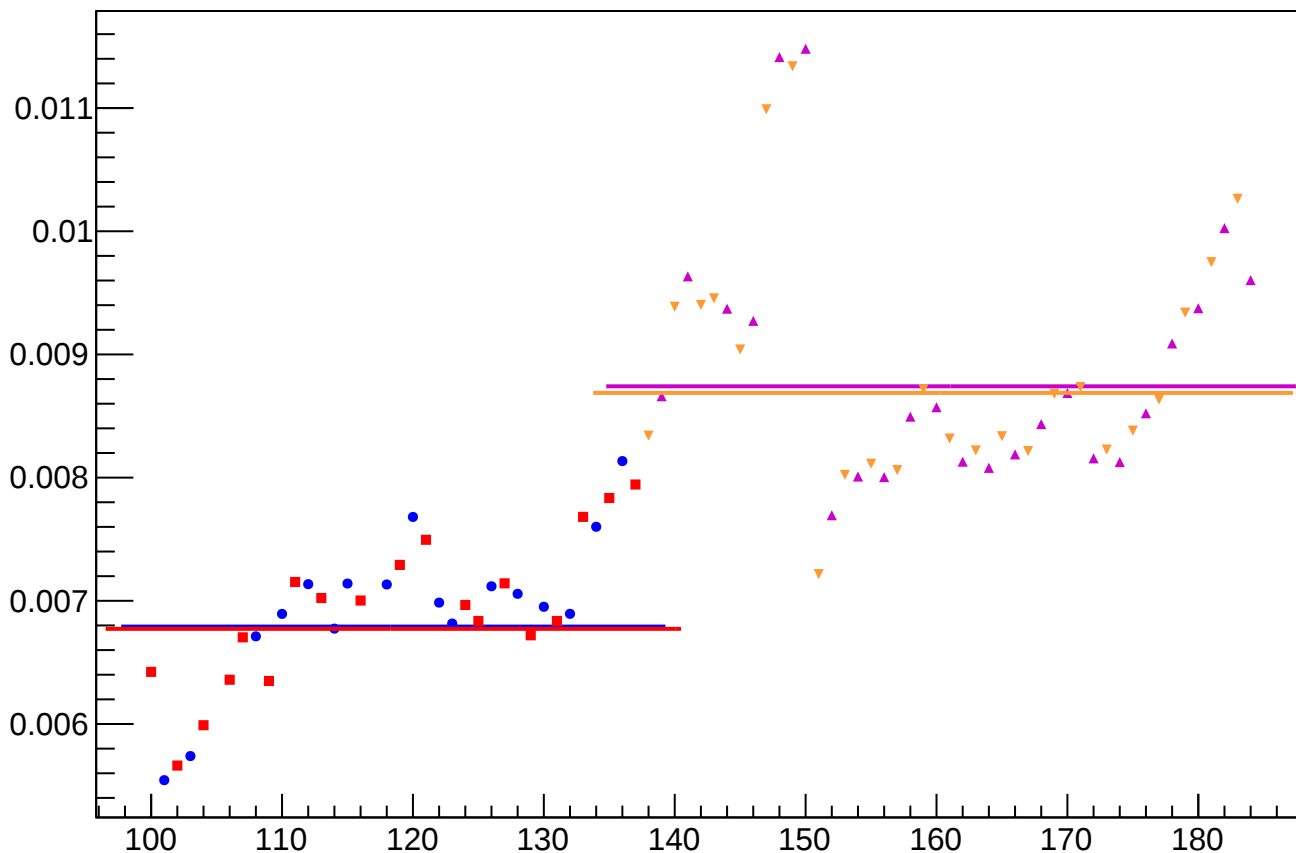
Left In: -2.621+/-0.000 χ^2/NDF : 80862402796.4/22

+ sign -2.462+/-0.000 χ^2/NDF : 172959584237.9/40

All: -2.483+/-0.000 χ^2/NDF : 326018684384.5

- sign -2.504+/-0.000 χ^2/NDF : 152719547275.1/41

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 : 357199.5/23

Right Out: 0.007+/-0.000 χ^2/NDF : 123254.7/18

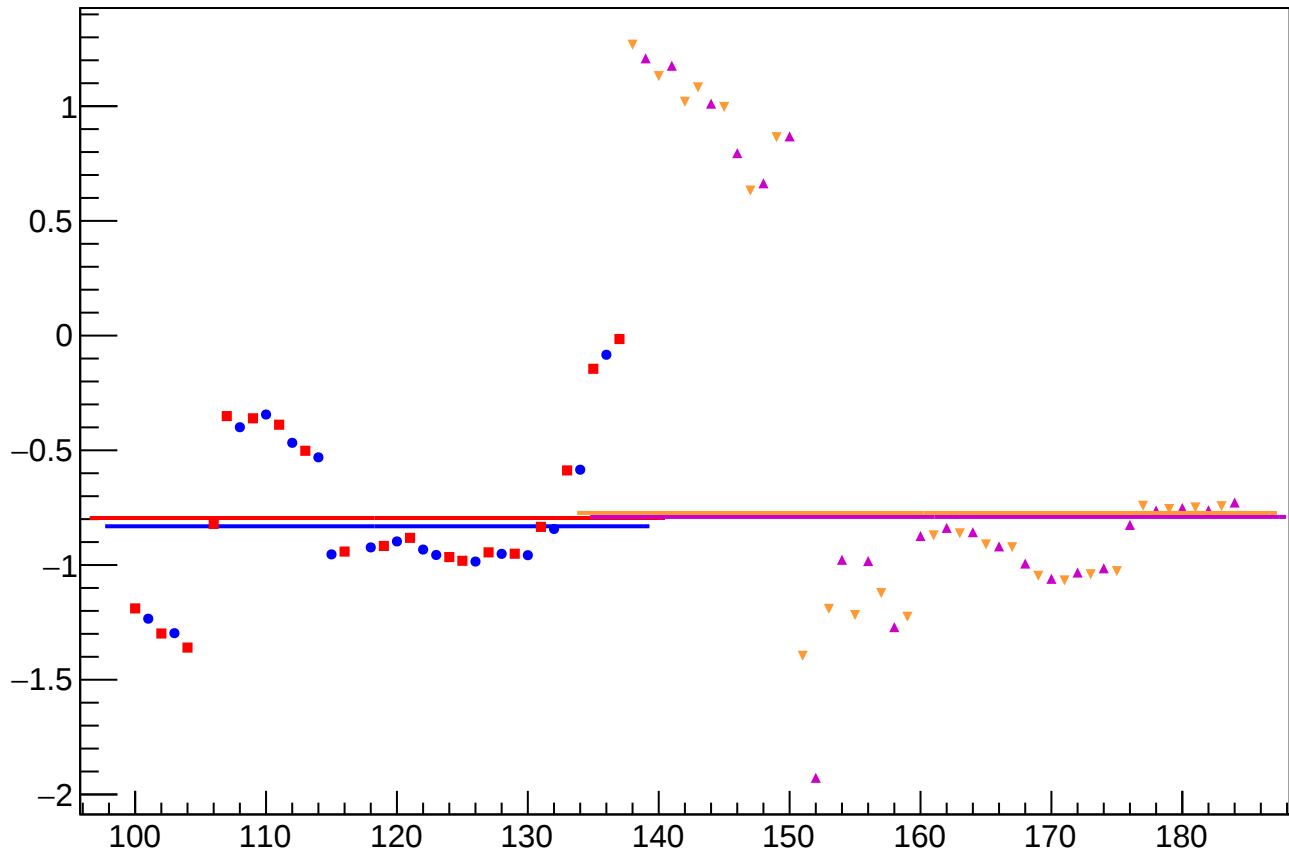
Left In: 0.009+/-0.000 χ^2/NDF : 353750.0/22

+ sign 0.008+/-0.000 χ^2/NDF : 1165148.3/40

All: 0.008+/-0.000 χ^2/NDF : 2348495.5/82

- sign 0.008+/-0.000 χ^2/NDF : 1183029.8/41

yield_bpm0i01X_mean vs Slug



Right In: -0.831+/-0.000 χ^2/NDF : 6684927415.2/16

Left Out: -0.773+/-0.000 χ^2/NDF :118503777931.7/23

Right Out: -0.795+/-0.000 χ^2/NDF : 7817248130.7/18

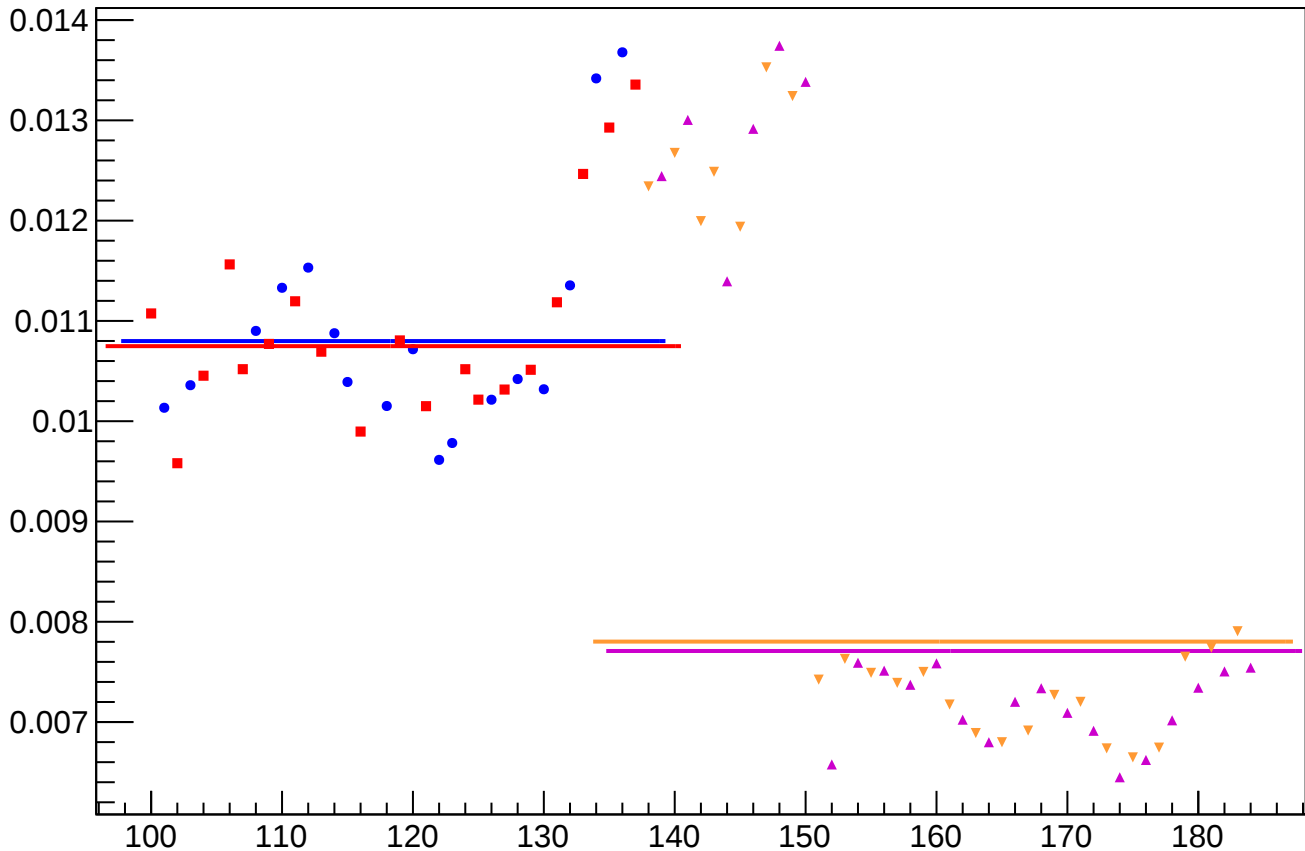
Left In: -0.790+/-0.000 χ^2/NDF :123452478408.2/22

+ sign -0.783+/-0.000 χ^2/NDF : 125346654925.5/40

All: -0.787+/-0.000 χ^2/NDF : 256629334242.1

- sign -0.791+/-0.000 χ^2/NDF : 131270818946.3/41

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 :1676548.9/23

Right Out: 0.011+/-0.000 χ^2/NDF : 89612.1/18

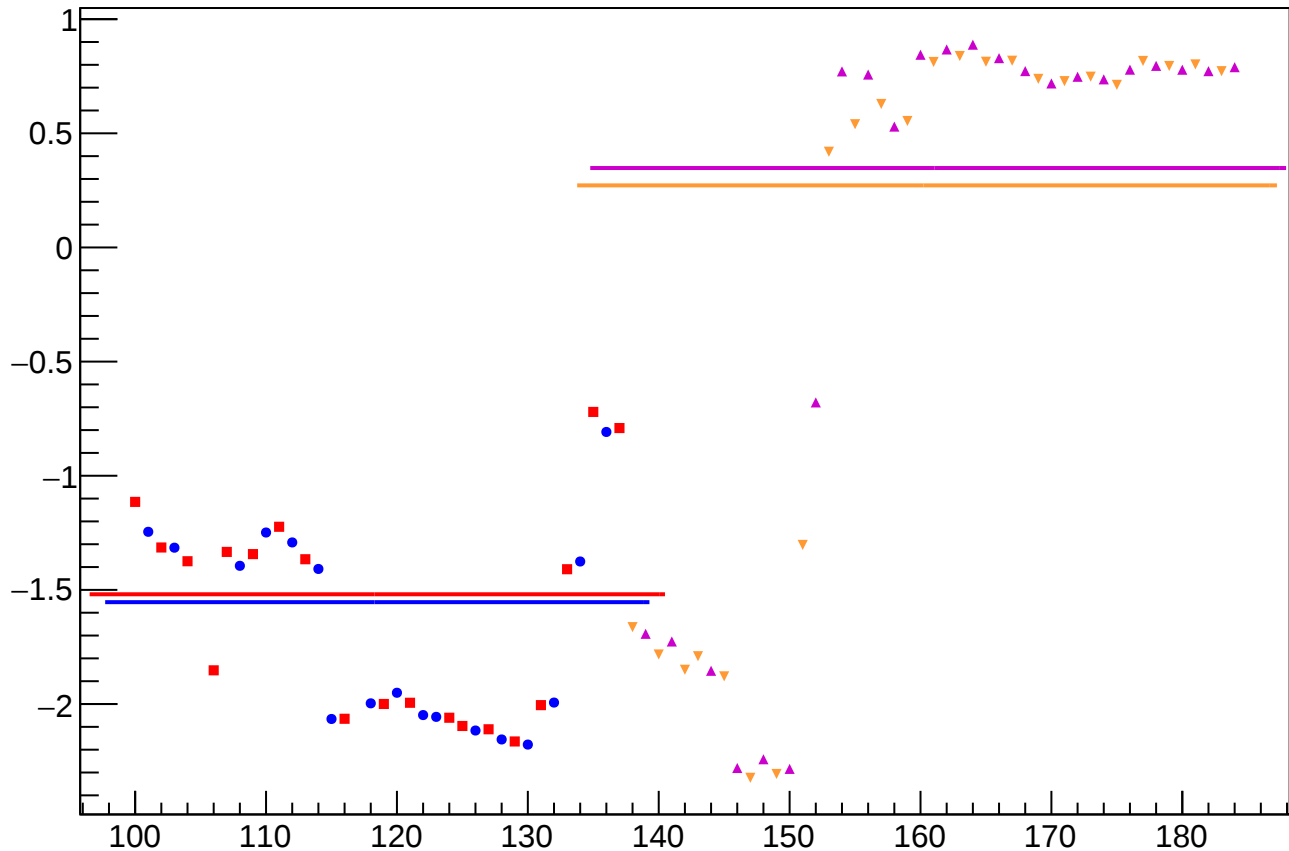
Left In: 0.008+/-0.000 χ^2/NDF :1746653.6/22

+ sign 0.008+/-0.000 χ^2/NDF : 2639933.7/40

All: 0.008+/-0.000 χ^2/NDF : 5379529.8/82

- sign 0.008+/-0.000 χ^2/NDF : 2738644.2/41

yield_bpm0i01Y_mean vs Slug



Right In: -1.554+/-0.000 χ^2/NDF : 153751208532.9/16

Left Out: 0.272+/-0.000 χ^2/NDF : 2522951494712.5/23

Right Out: -1.519+/-0.000 χ^2/NDF : 138061021403.9/18

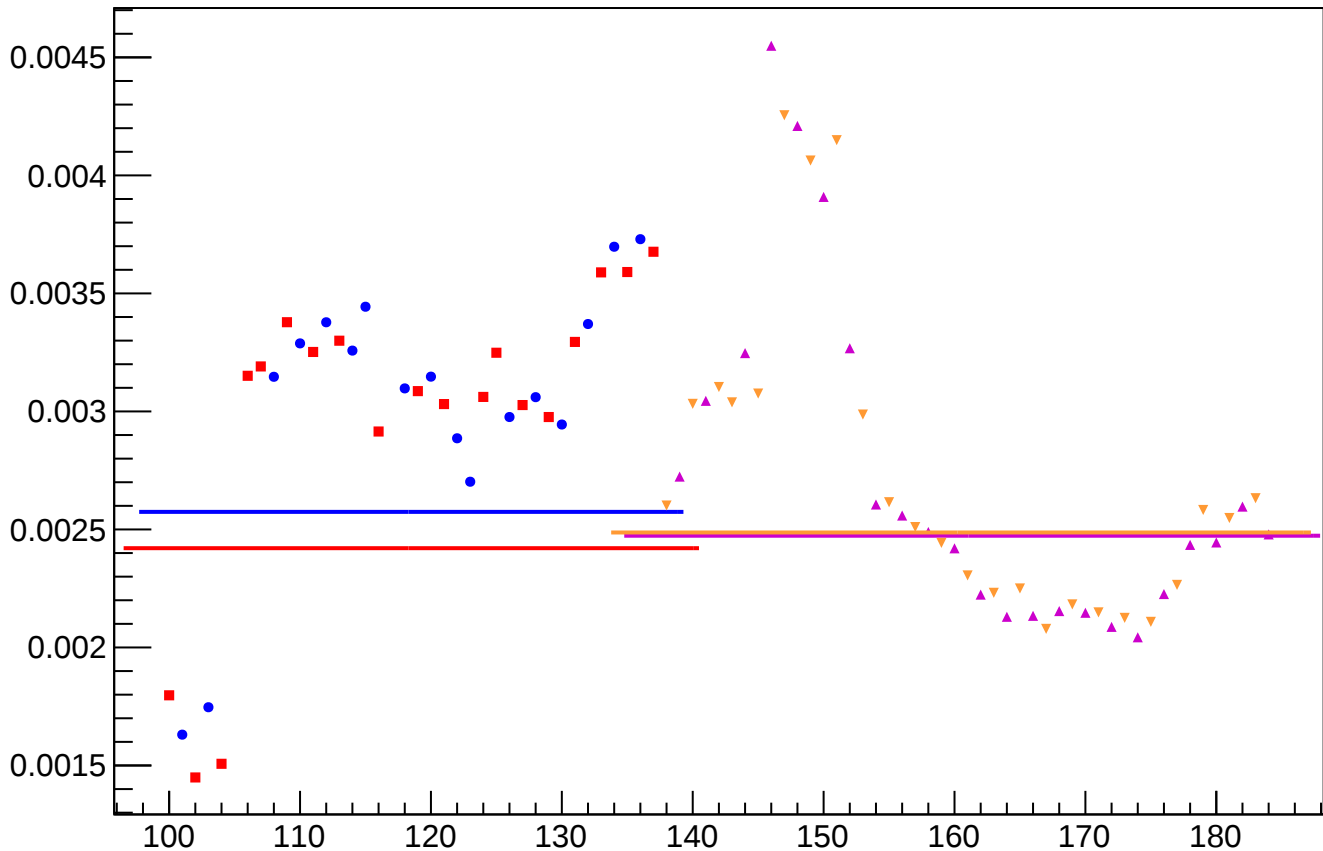
Left In: 0.348+/-0.000 χ^2/NDF : 2274004426513.8/22

+ sign -0.182+/-0.000 χ^2/NDF : 4805855205408.2/4

All: -0.178+/-0.000 χ^2/NDF : 9640098287401

- sign -0.175+/-0.000 χ^2/NDF : 4834159747840.5/4

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 1013543.2/16

Left Out: 0.002+/-0.000 χ^2/NDF :1064703.7/23

Right Out: 0.002+/-0.000 χ^2/NDF : 1484766.5/18

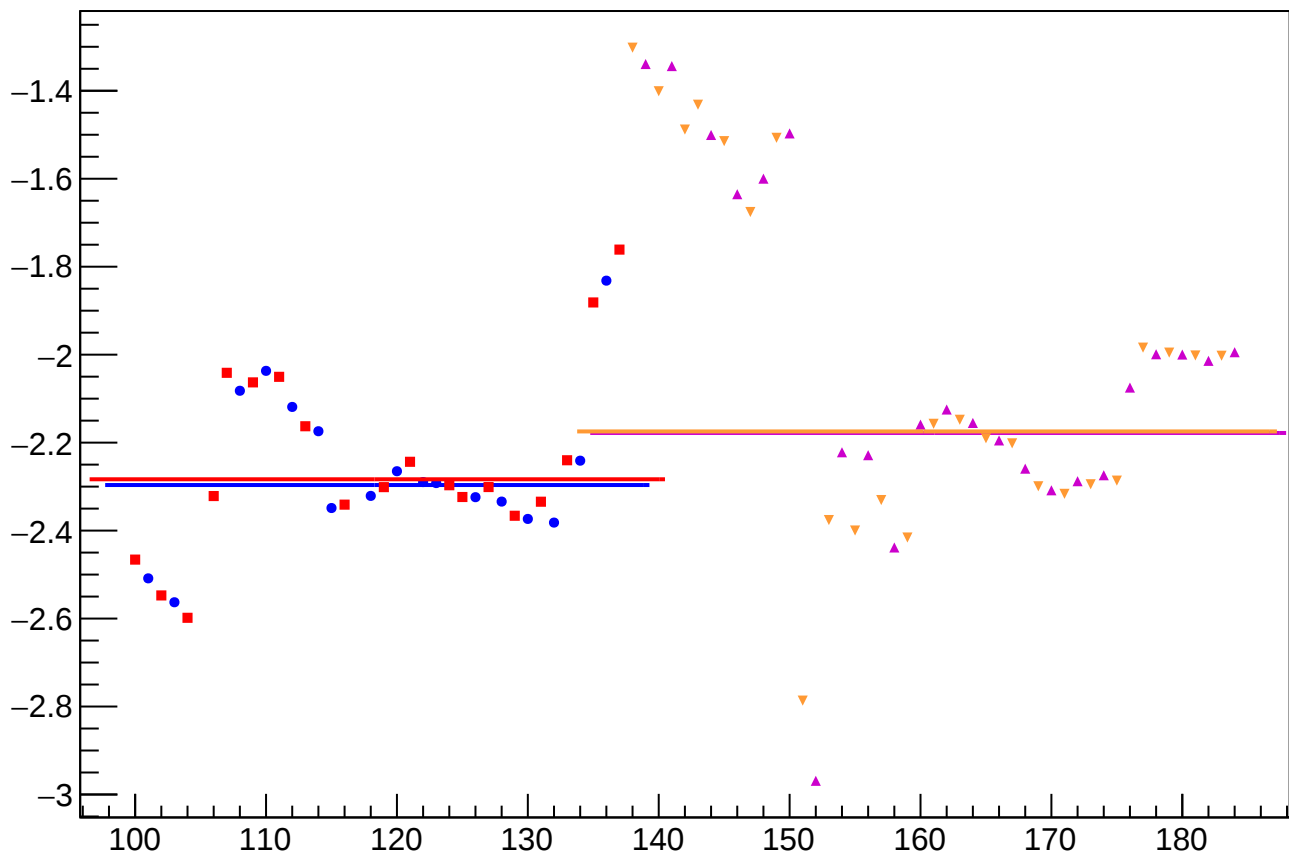
Left In: 0.002+/-0.000 χ^2/NDF :1135279.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 2087982.5/40

All: 0.002+/-0.000 χ^2/NDF : 4720557.1/82

- sign 0.002+/-0.000 χ^2/NDF : 2623923.9/41

yield_bpm0i01aX_mean vs Slug



Right In: -2.296+/-0.000 χ^2/NDF : 5781445779.2/16

Left Out: -2.175+/-0.000 χ^2/NDF : 58836107851.3/23

Right Out: -2.283+/-0.000 χ^2/NDF : 6547805693.1/18

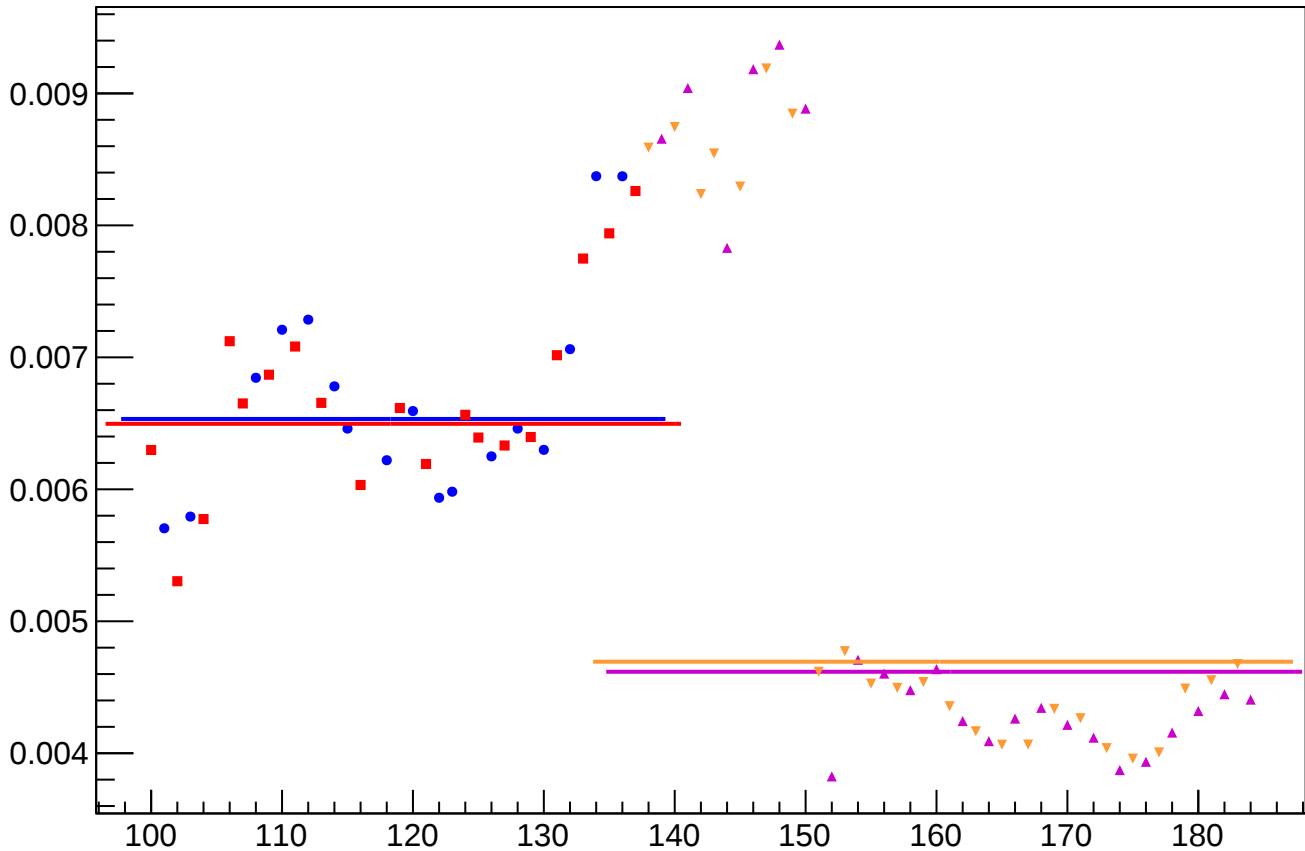
Left In: -2.178+/-0.000 χ^2/NDF : 73402051113.3/22

+ sign -2.195+/-0.000 χ^2/NDF : 66479586037.0/40

All: -2.196+/-0.000 χ^2/NDF : 147887648618.9

- sign -2.197+/-0.000 χ^2/NDF : 81406617384.5/41

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 175590.1/16

Left Out: 0.005+/-0.000 χ^2/NDF : 2276134.6/23

Right Out: 0.006+/-0.000 χ^2/NDF : 163206.3/18

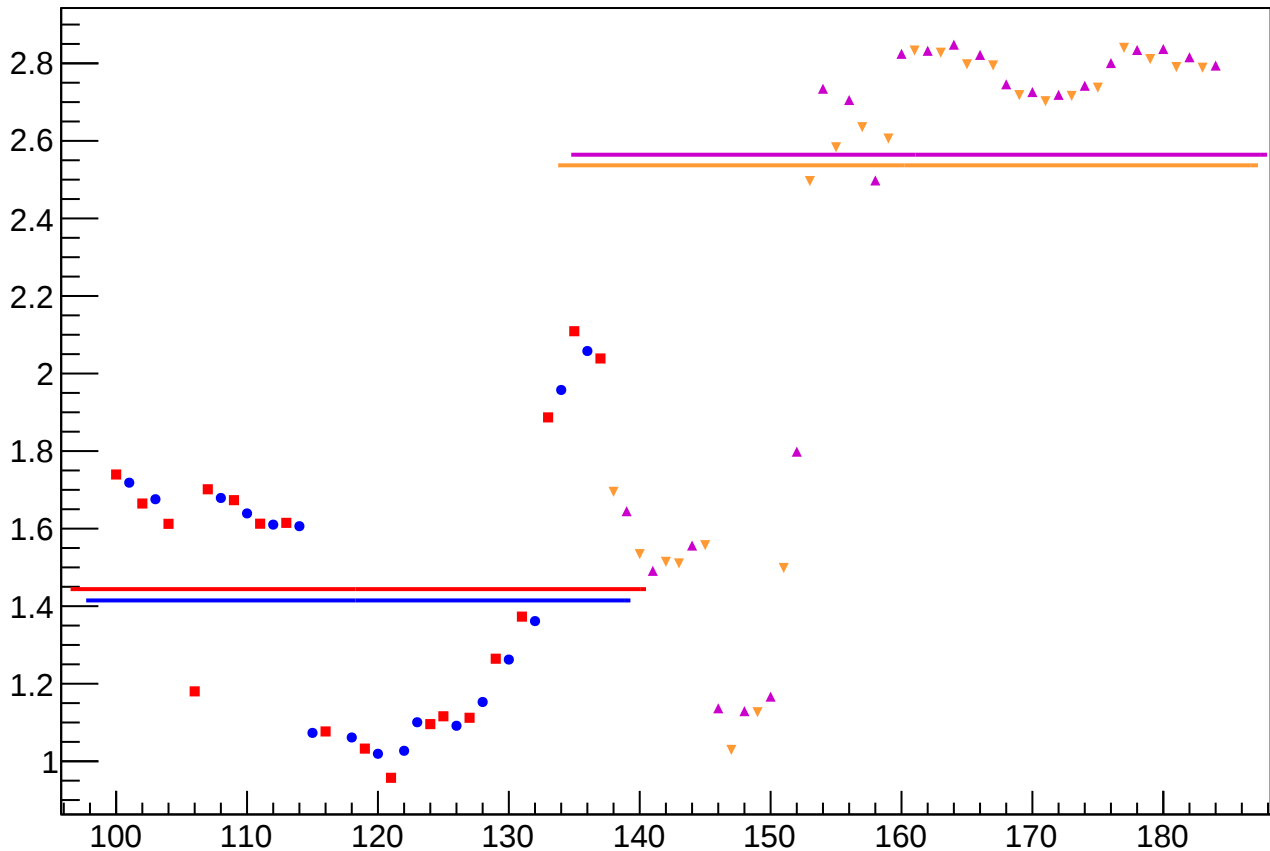
Left In: 0.005+/-0.000 χ^2/NDF : 2367440.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 3300354.0/40

All: 0.005+/-0.000 χ^2/NDF : 6761413.9/82

- sign 0.005+/-0.000 χ^2/NDF : 3458825.4/41

yield_bpm0i01aY_mean vs Slug



Right In: 1.415+/-0.000 χ^2/NDF : 171733730631.9/16

Left Out: 2.537+/-0.000 χ^2/NDF : 264350939498.9/23

Right Out: 1.444+/-0.000 χ^2/NDF : 172869416198.6/18

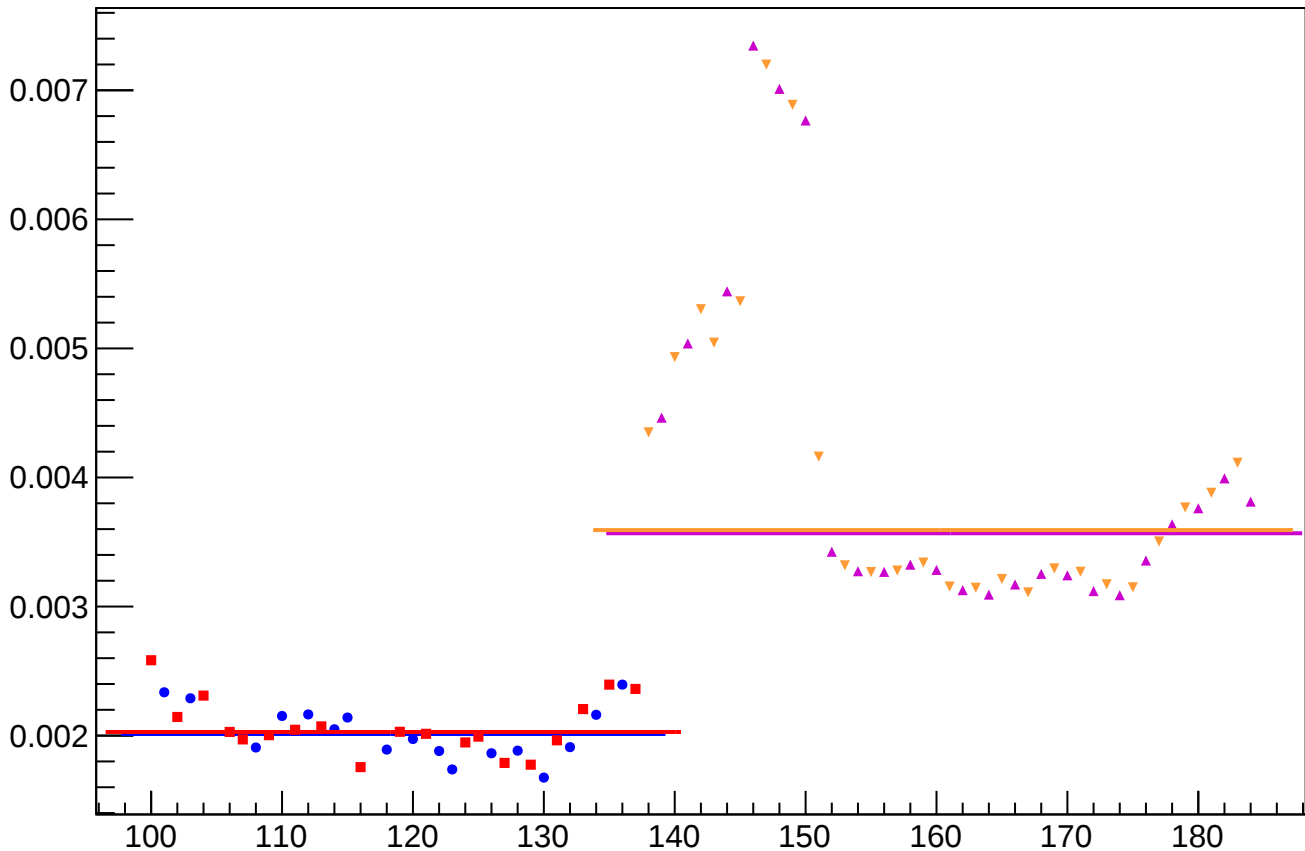
Left In: 2.564+/-0.000 χ^2/NDF : 260287937727.8/22

+ sign 1.926+/-0.000 χ^2/NDF : 1306073099590.1/40

All: 1.930+/-0.000 χ^2/NDF : 2603945283449.

- sign 1.935+/-0.000 χ^2/NDF : 1297754903634.9/41

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 :1386824.8/23

Right Out: 0.002+/-0.000 χ^2/NDF : 102976.0/18

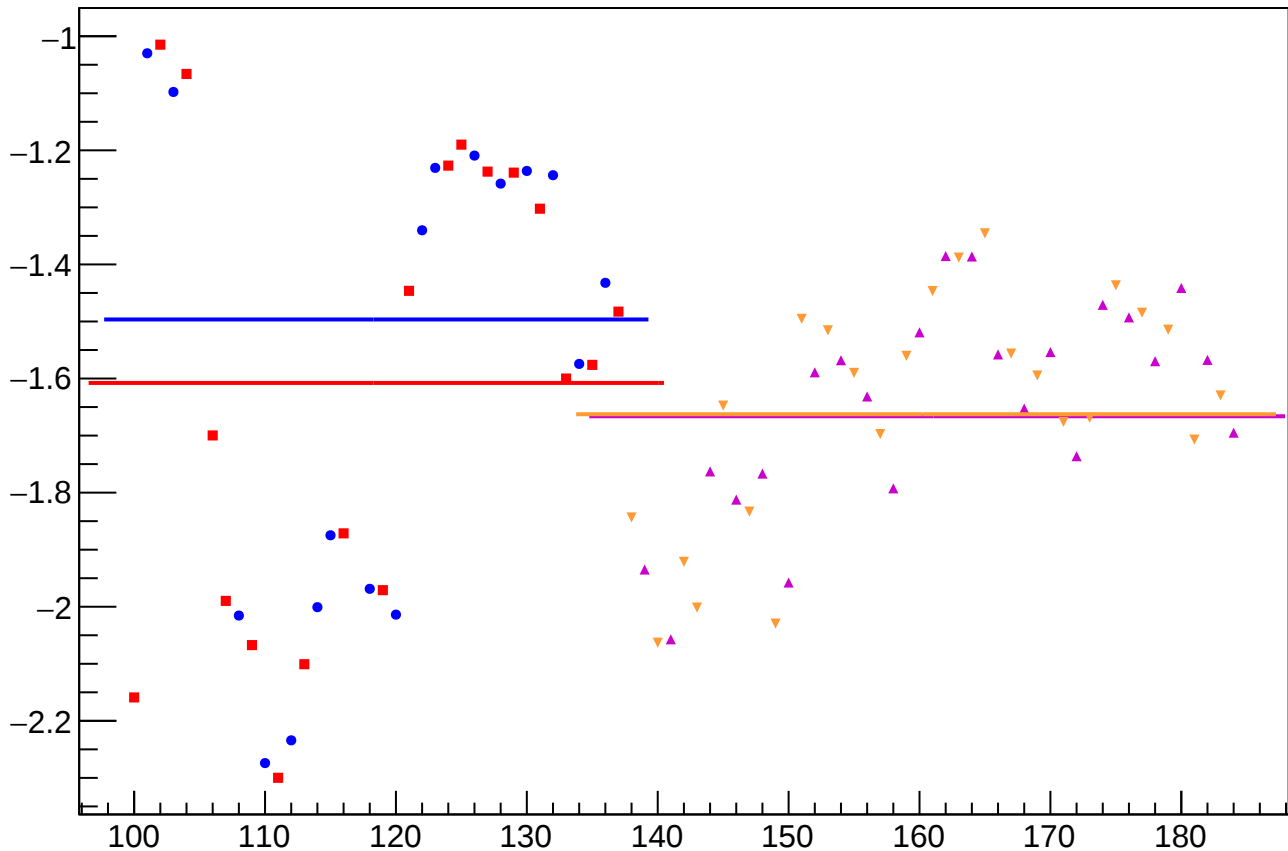
Left In: 0.004+/-0.000 χ^2/NDF :1563028.0/22

+ sign 0.003+/-0.000 χ^2/NDF : 4984767.2/40

All: 0.003+/-0.000 χ^2/NDF : 9919277.8/82

- sign 0.003+/-0.000 χ^2/NDF : 4932138.4/41

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22480434073.3/16

Left Out: -1.663+/-0.000 χ^2/NDF : 17915886674.2/23

Right Out: -1.608+/-0.000 χ^2/NDF : 27825836681.8/18

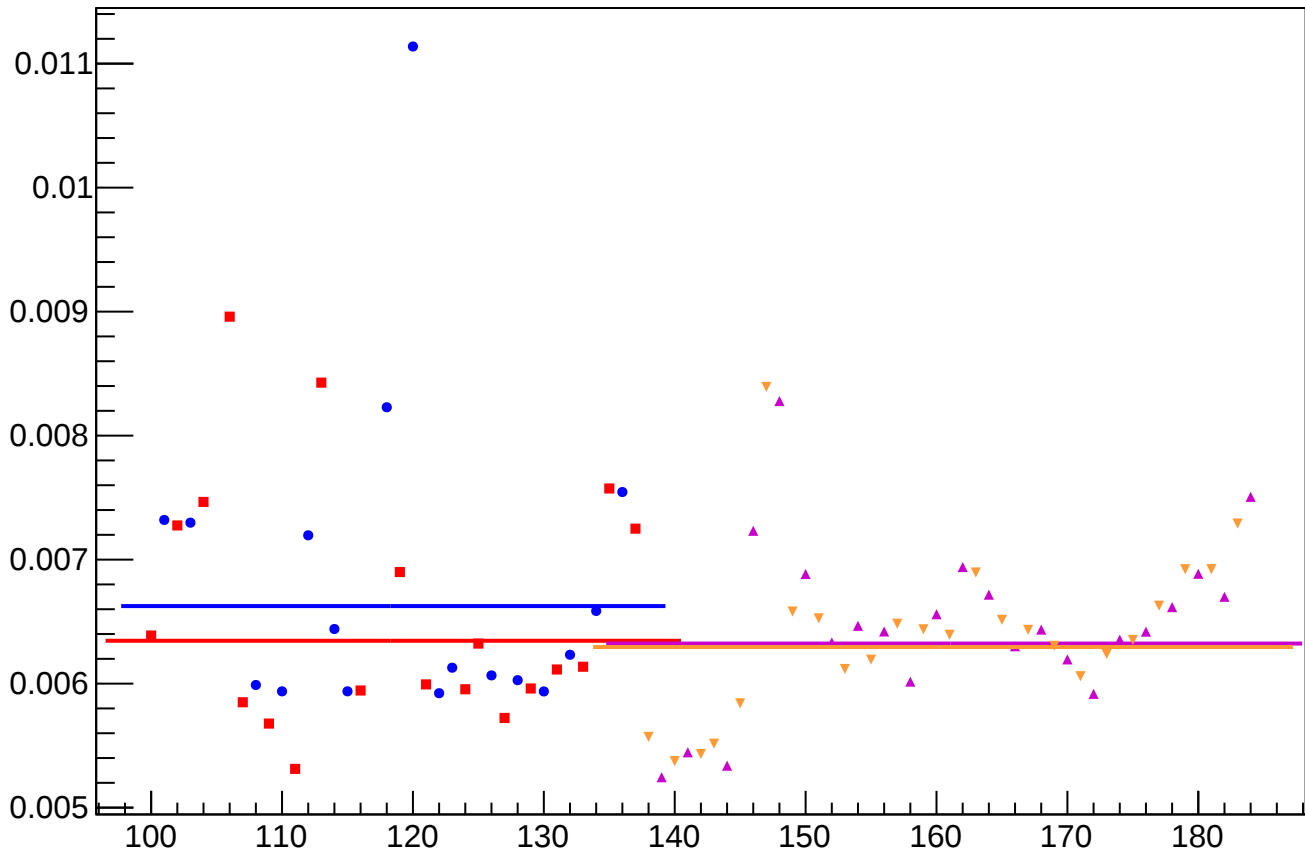
Left In: -1.666+/-0.000 χ^2/NDF : 14292570816.9/22

+ sign -1.622+/-0.000 χ^2/NDF : 43286989208.8/40

All: -1.636+/-0.000 χ^2/NDF : 86014150210.0/41

- sign -1.649+/-0.000 χ^2/NDF : 42516651175.5/41

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 231716.4/16

Left Out: 0.006+/-0.000 χ^2/NDF : 289091.7/23

Right Out: 0.006+/-0.000 χ^2/NDF : 228829.0/18

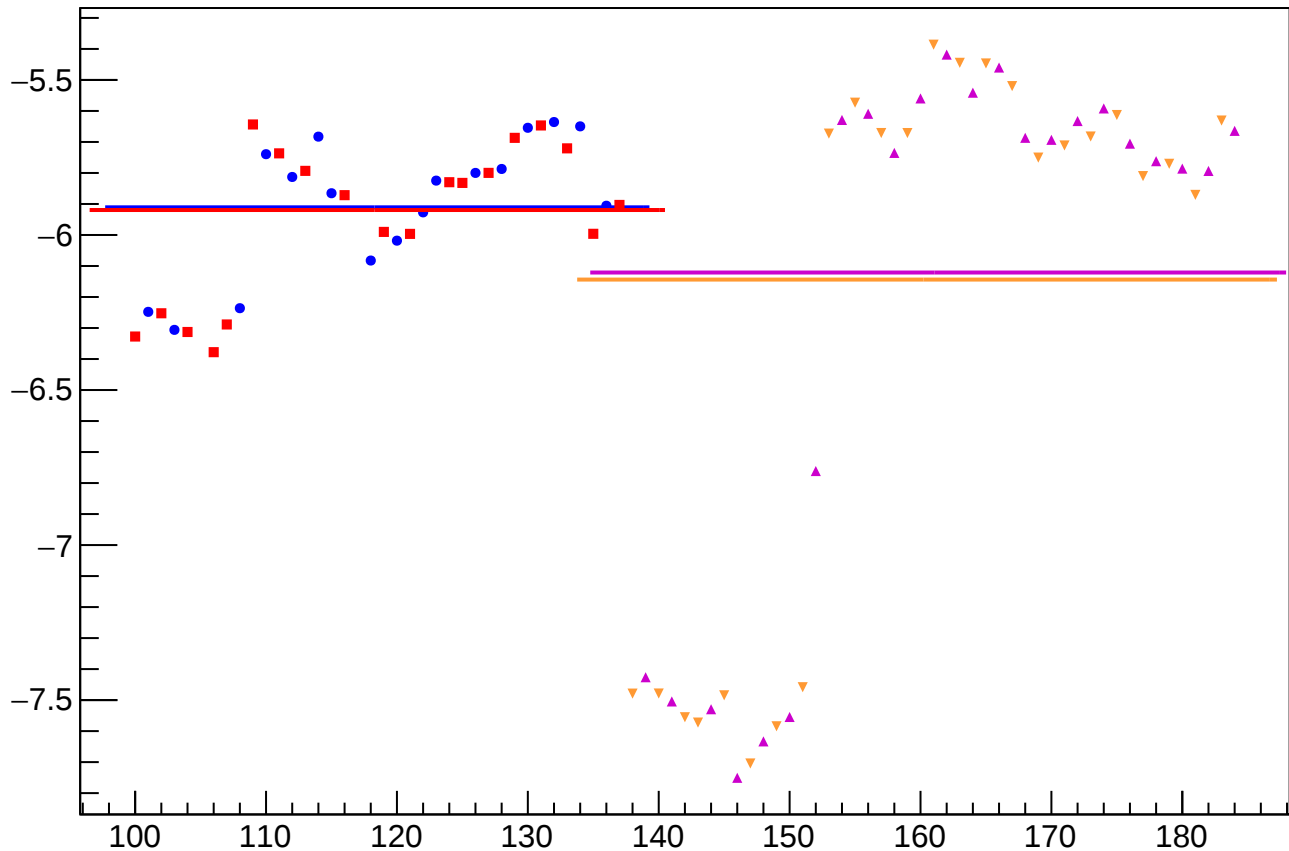
Left In: 0.006+/-0.000 χ^2/NDF : 330859.7/22

+ sign 0.006+/-0.000 χ^2/NDF : 543648.9/40

All: 0.006+/-0.000 χ^2/NDF : 1104642.2/82

- sign 0.006+/-0.000 χ^2/NDF : 559807.5/41

yield_bpm0l01Y_mean vs Slug



Right In: -5.911+/-0.000 χ^2/NDF : 11134606775.1/16

Left Out: -6.144+/-0.000 χ^2/NDF : 182767828408.7/23

Right Out: -5.919+/-0.000 χ^2/NDF : 12817250659.6/18

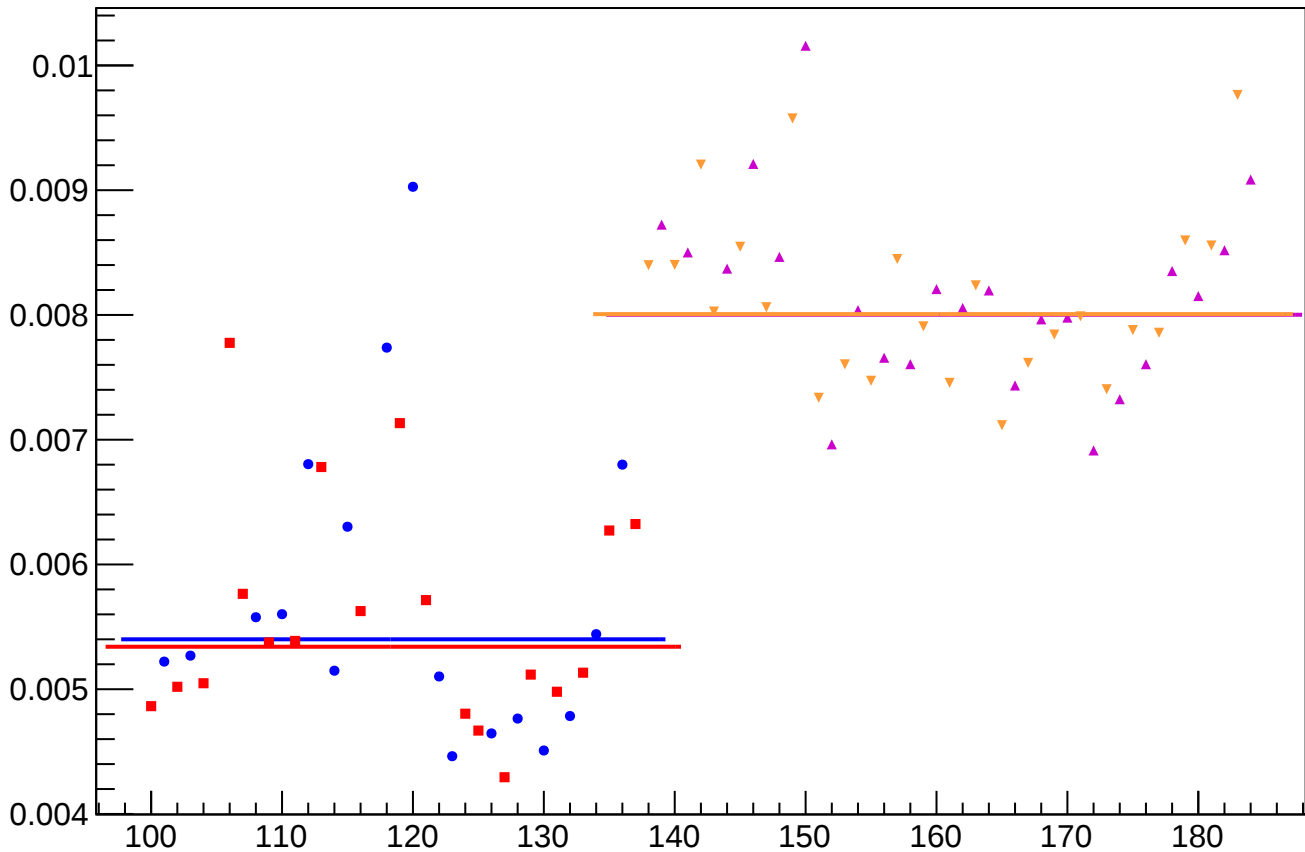
Left In: -6.121+/-0.000 χ^2/NDF : 158315913062.3/22

+ sign -6.041+/-0.000 χ^2/NDF : 200007248415.1/40

All: -6.033+/-0.000 χ^2/NDF : 375949215090.6

- sign -6.025+/-0.000 χ^2/NDF : 175888306251.3/41

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 :177639.0/23

Right Out: 0.005+/-0.000 χ^2/NDF : 251605.9/18

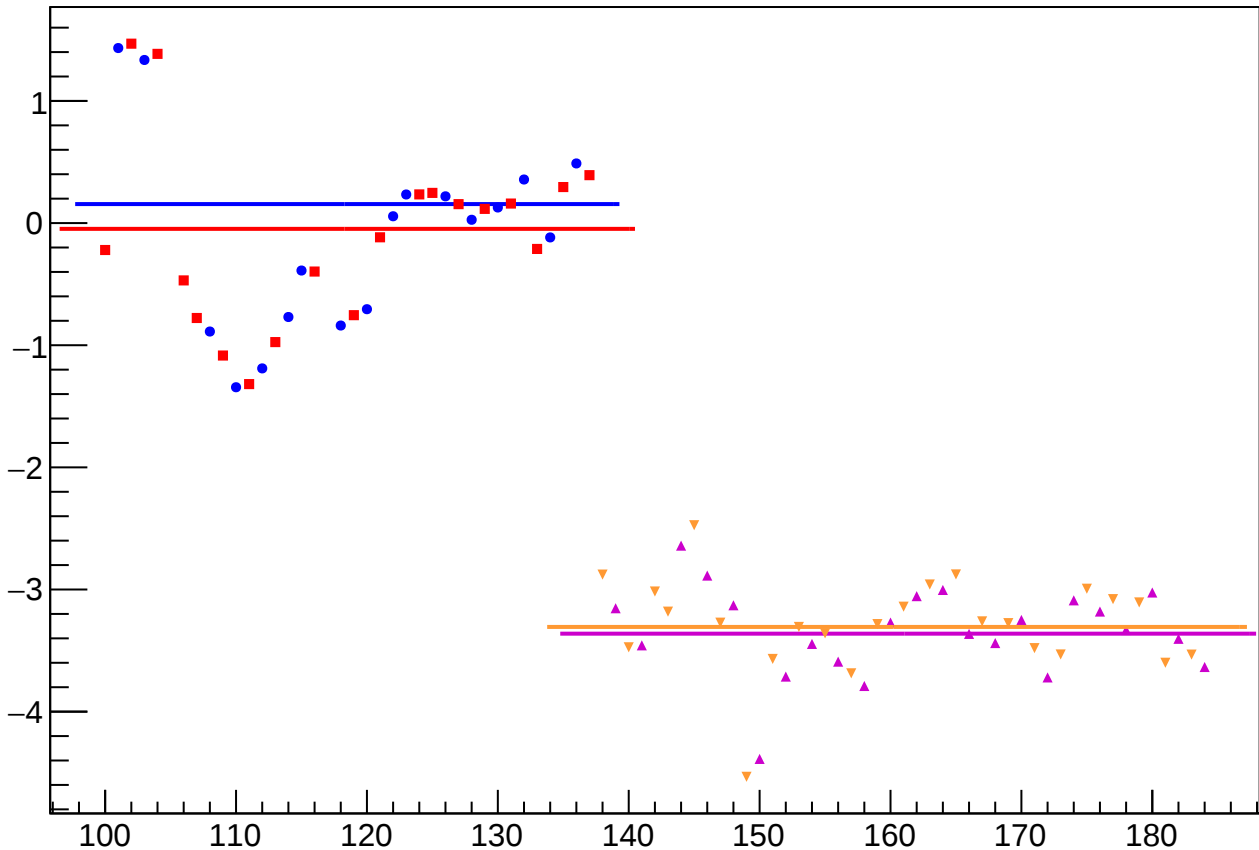
Left In: 0.008+/-0.000 χ^2/NDF :220756.1/22

+ sign 0.007+/-0.000 χ^2/NDF : 2076406.0/40

All: 0.007+/-0.000 χ^2/NDF : 4212145.9/82

- sign 0.007+/-0.000 χ^2/NDF : 2129790.5/41

yield_bpm0l02X_mean vs Slug



Right In: 0.156+/-0.000 χ^2/NDF : 16968312396.2/16

Left Out: -3.306+/-0.000 χ^2/NDF : 9182357914.7/23

Right Out: -0.047+/-0.000 χ^2/NDF : 21207878974.4/18

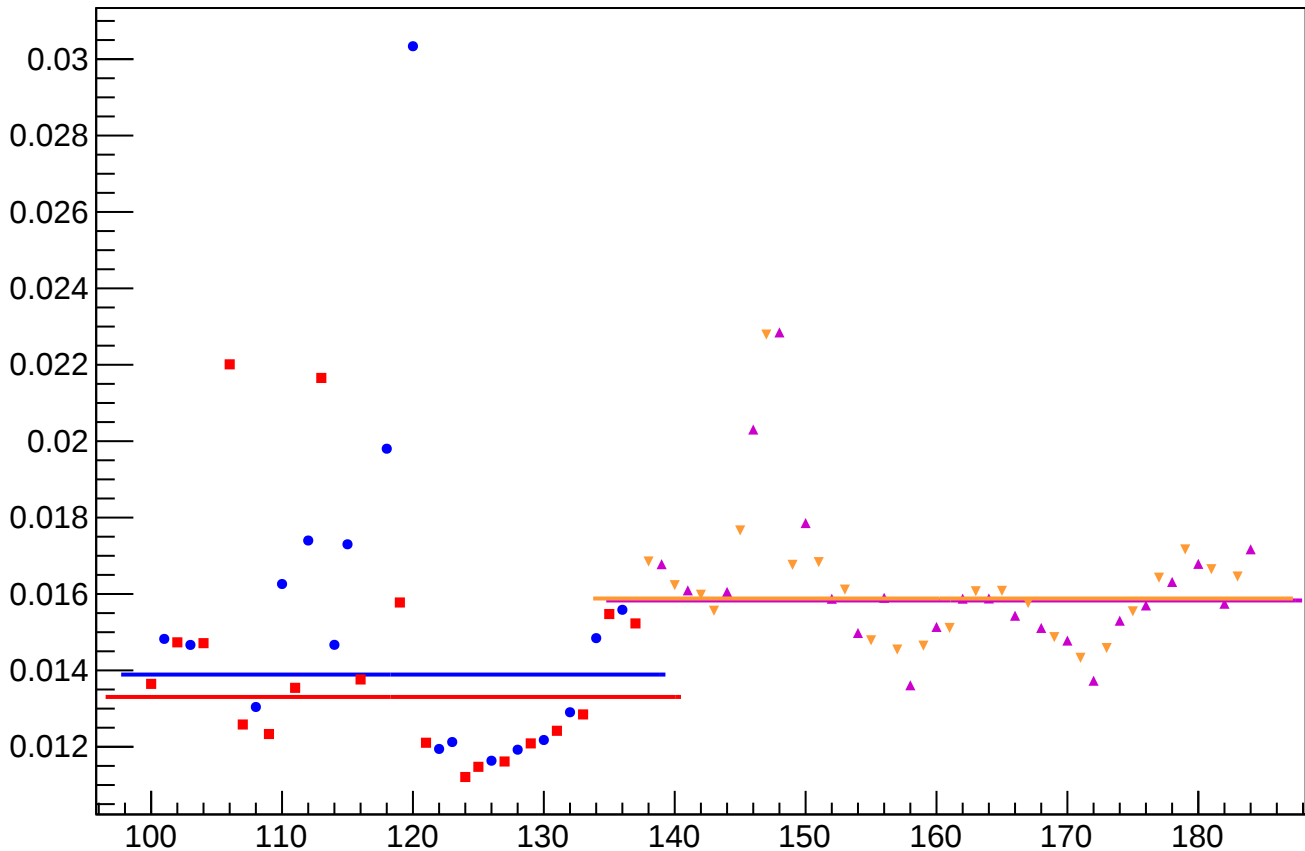
Left In: -3.362+/-0.000 χ^2/NDF : 8171803777.4/22

+ sign -2.241+/-0.000 χ^2/NDF : 279732919399.7/40

All: -2.213+/-0.000 χ^2/NDF : 567181967647.5

- sign -2.187+/-0.000 χ^2/NDF : 287305190685.0/41

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 :249520.3/23

Right Out: 0.013+/-0.000 χ^2/NDF : 293774.0/18

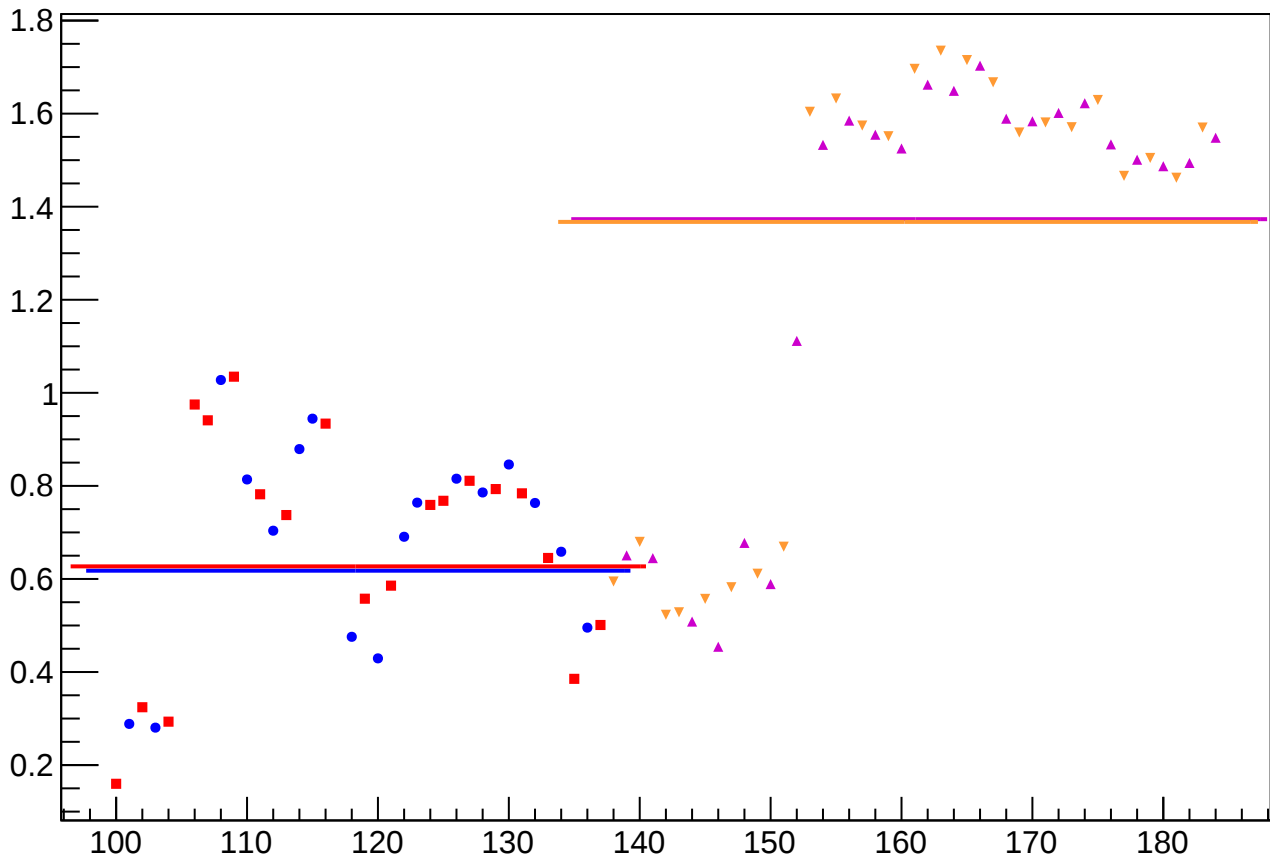
Left In: 0.016+/-0.000 χ^2/NDF :339542.1/22

+ sign 0.015+/-0.000 χ^2/NDF : 818480.0/40

All: 0.015+/-0.000 χ^2/NDF : 1762479.9/82

- sign 0.015+/-0.000 χ^2/NDF : 932804.4/41

yield_bpm0l02Y_mean vs Slug



Right In: 0.618 ± 0.000 χ^2/NDF : 5402179431.9/16

Left Out: 1.367 ± 0.000 χ^2/NDF : 73269807755.0/23

Right Out: 0.627 ± 0.000 χ^2/NDF : 6335950203.8/18

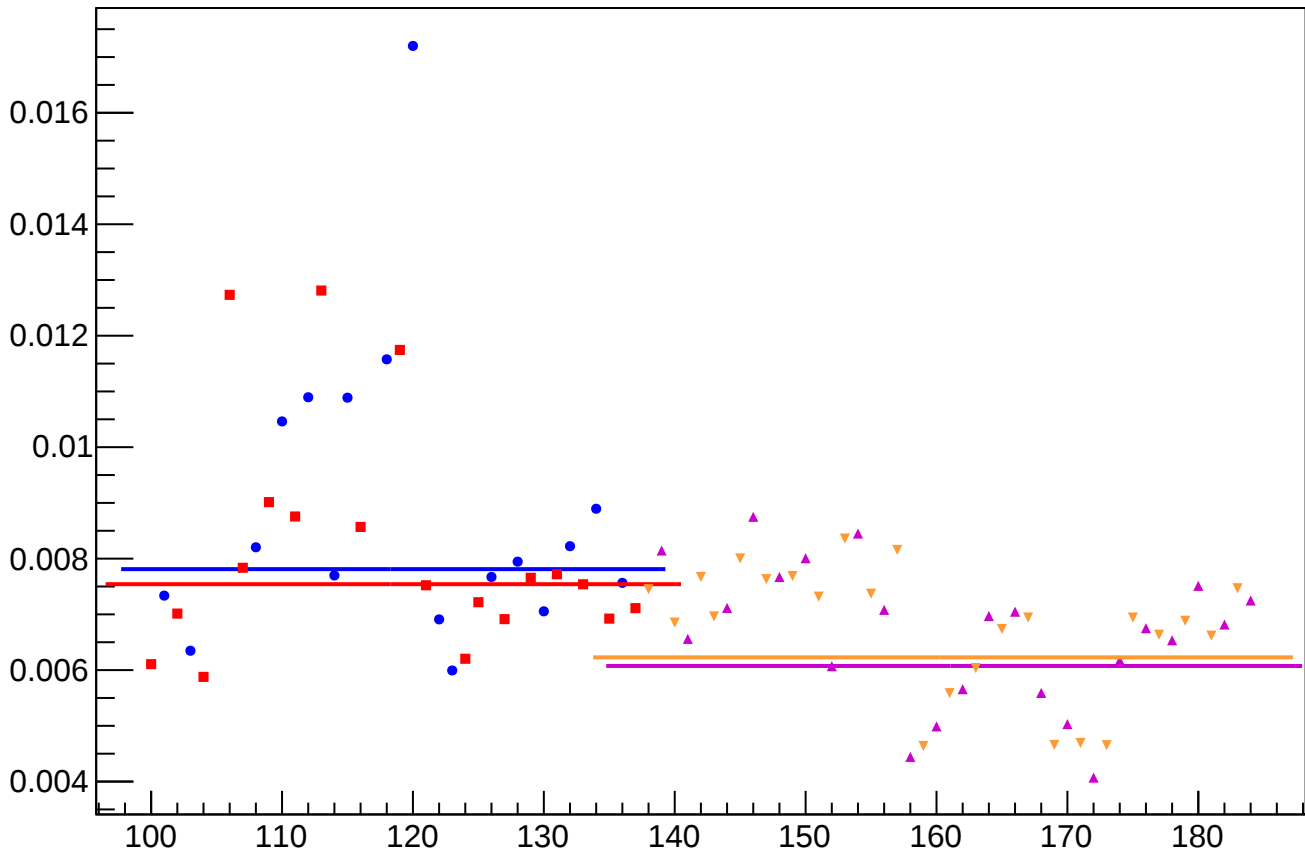
Left In: 1.373 ± 0.000 χ^2/NDF : 63413151416.3/22

+ sign 1.229 ± 0.000 χ^2/NDF : 122208170837.0/40

All: 1.225 ± 0.000 χ^2/NDF : 240187316040.1

- sign 1.222 ± 0.000 χ^2/NDF : 117965903776.1/41

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 :1309364.3/23

Right Out: 0.008+/-0.000 χ^2/NDF : 441480.1/18

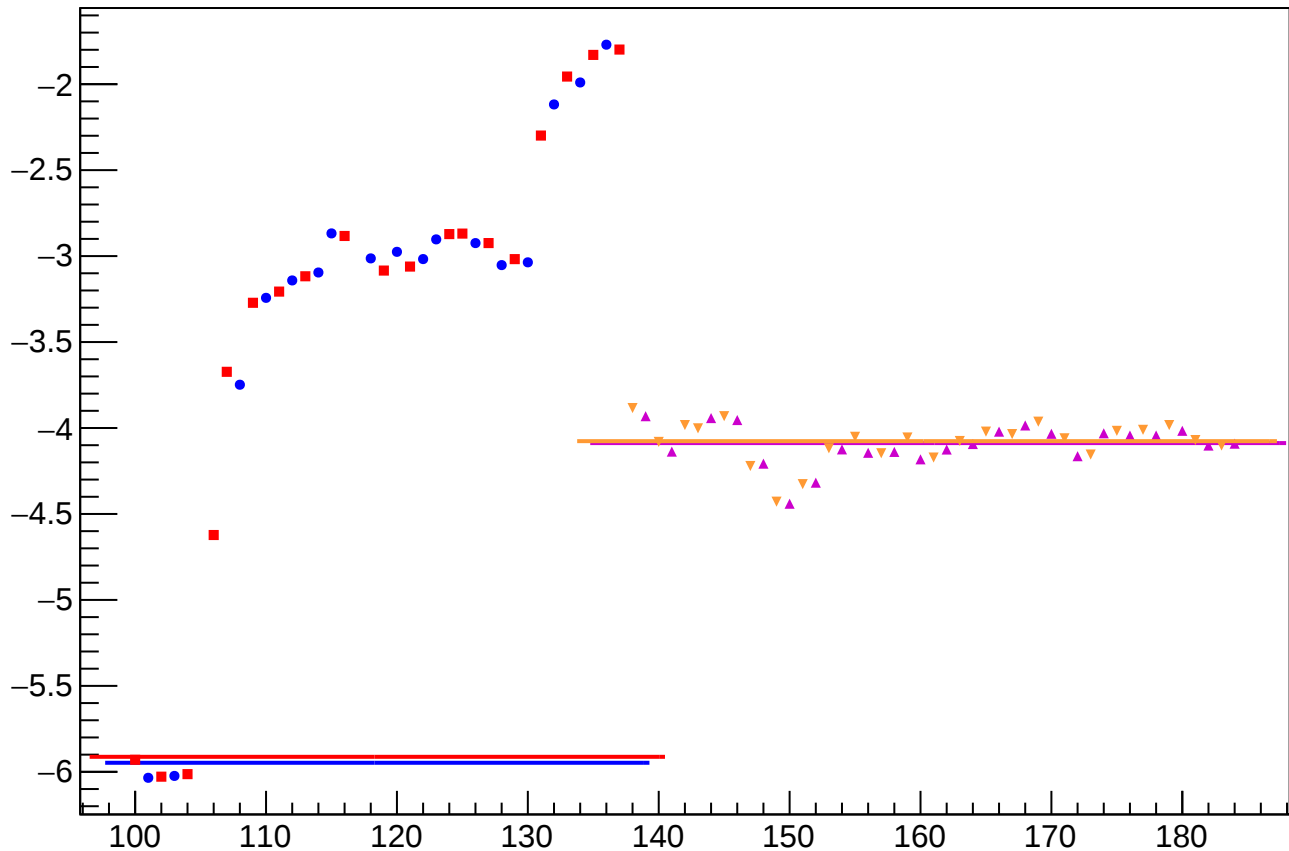
Left In: 0.006+/-0.000 χ^2/NDF :1431986.5/22

+ sign 0.007+/-0.000 χ^2/NDF : 2164895.3/40

All: 0.006+/-0.000 χ^2/NDF : 4422979.8/82

- sign 0.006+/-0.000 χ^2/NDF : 2246429.7/41

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: 36191828.1/23

Right Out: -5.913+/-0.000 χ^2 /NDF: 14598904051.6/18

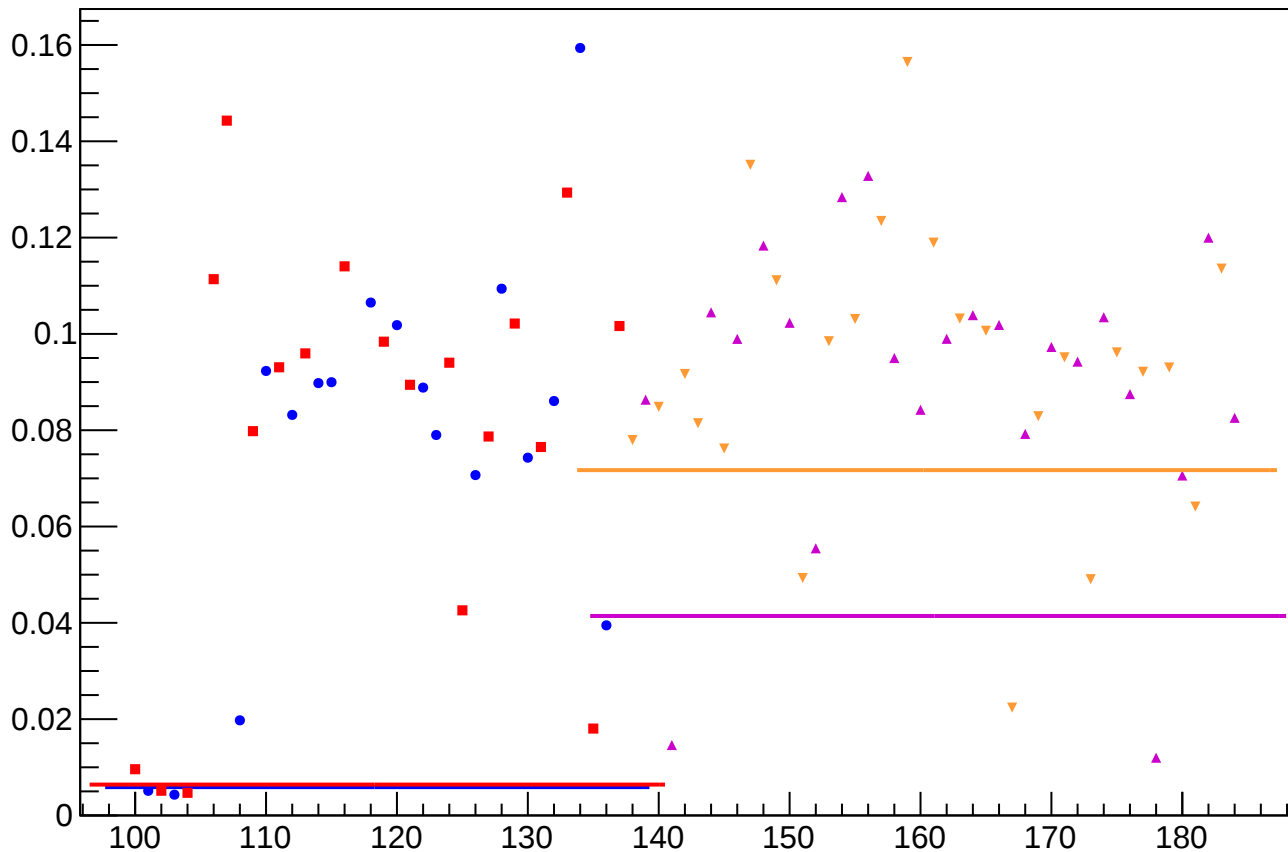
Left In: -4.088+/-0.000 χ^2 /NDF: 34412880.7/22

+ sign -5.856+/-0.000 χ^2 /NDF: 21251406999.7/40

All: -5.798+/-0.000 χ^2 /NDF: 49027384316.5/41

- sign -5.729+/-0.000 χ^2 /NDF: 27408307946.5/41

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 7912012.3/16

Left Out: 0.072+/-0.000 χ^2/NDF : 5168247.1/23

Right Out: 0.006+/-0.000 χ^2/NDF : 8462409.6/18

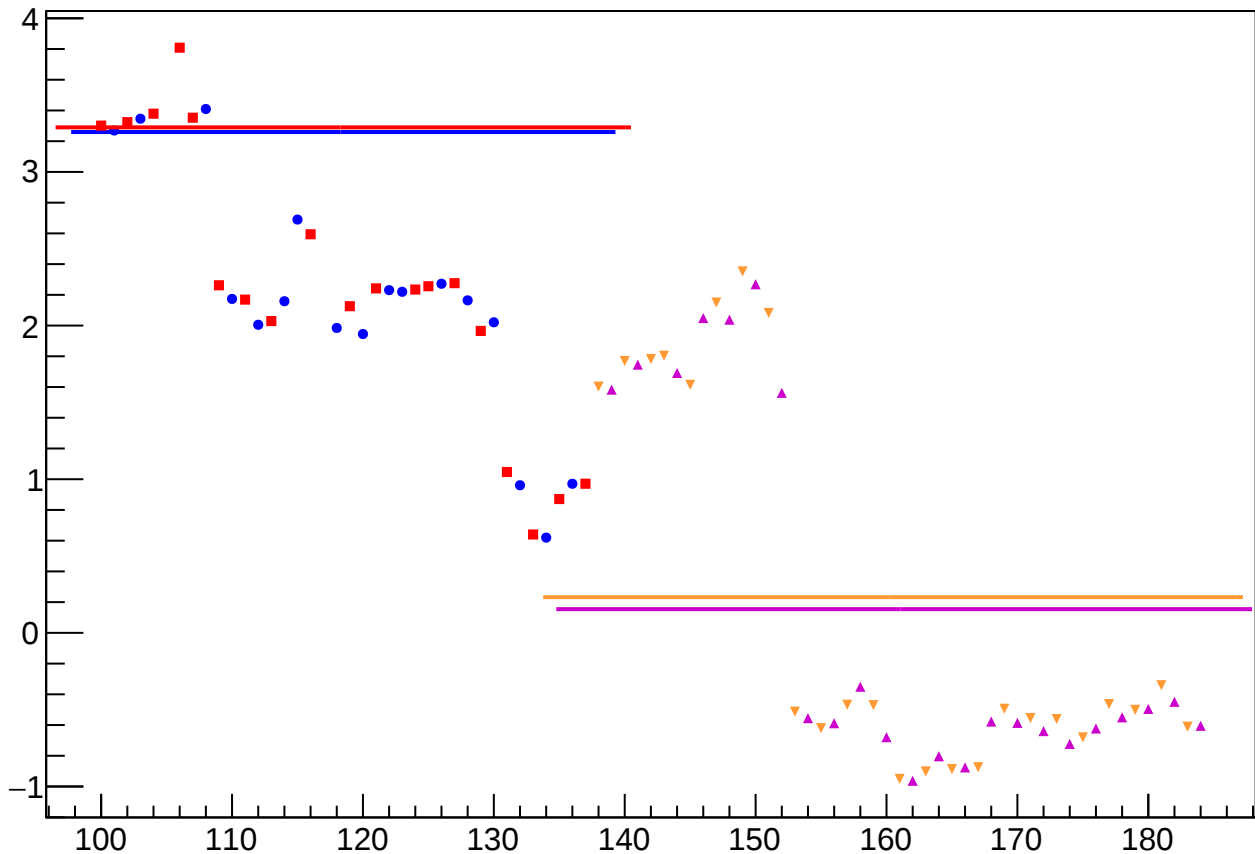
Left In: 0.041+/-0.000 χ^2/NDF : 13124468.7/22

+ sign 0.009+/-0.000 χ^2/NDF : 33149982.6/40

All: 0.009+/-0.000 χ^2/NDF : 64173996.5/82

- sign 0.010+/-0.000 χ^2/NDF : 30992567.2/41

yield_bpm0l03Y_mean vs Slug



Right In: 3.260 $\pm$ 0.000 χ^2 /NDF: 2914830636.8/16

Left Out: 0.232 $\pm$ 0.000 χ^2 /NDF:3123952701.9/23

Right Out: 3.290 $\pm$ 0.000 χ^2 /NDF: 3257931929.9/18

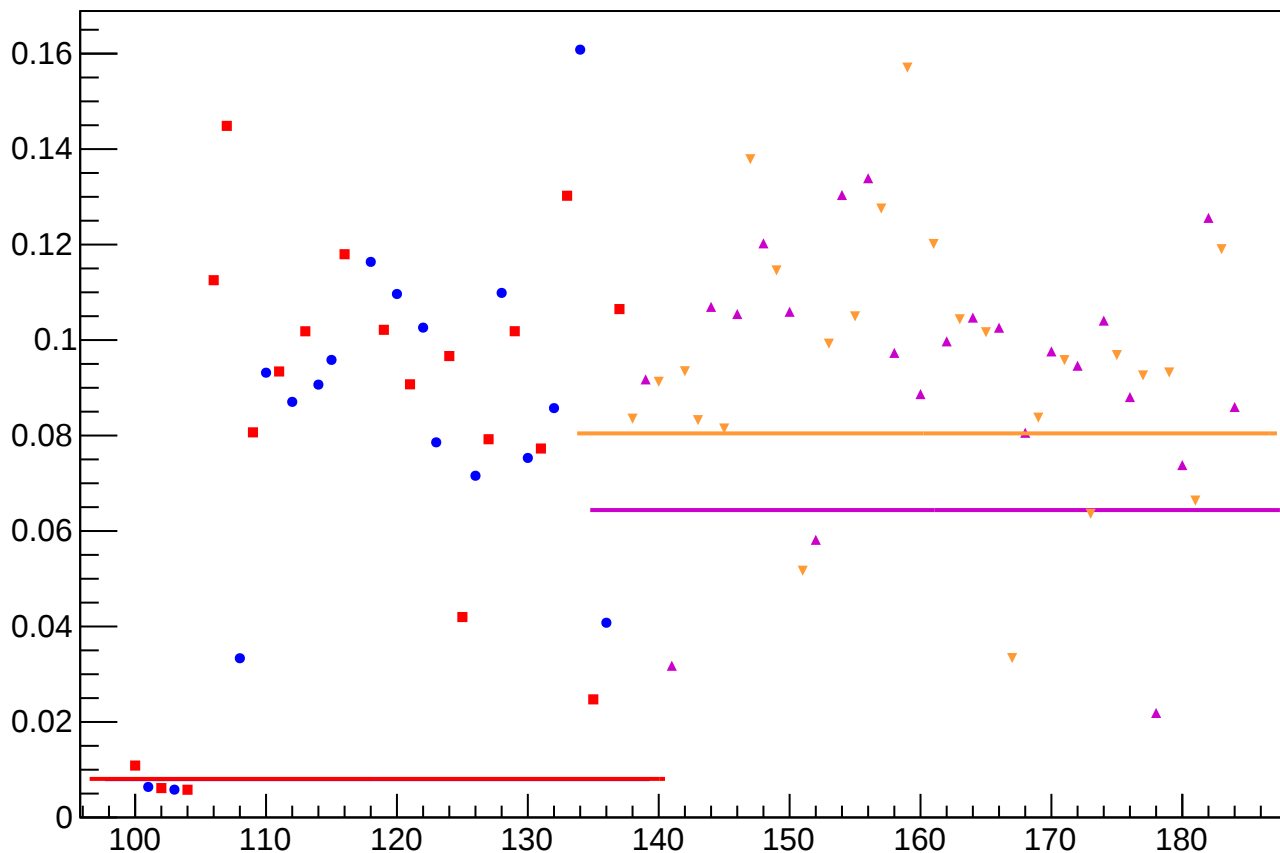
Left In: 0.154 $\pm$ 0.000 χ^2 /NDF:3163553595.0/22

+ sign 3.053 $\pm$ 0.000 χ^2 /NDF: 24034403173.3/40

All: 3.033 $\pm$ 0.000 χ^2 /NDF: 53592637614.5/8

- sign 3.012 $\pm$ 0.000 χ^2 /NDF: 29532669768.4/41

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:3341319.2/23

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8274347.6/18

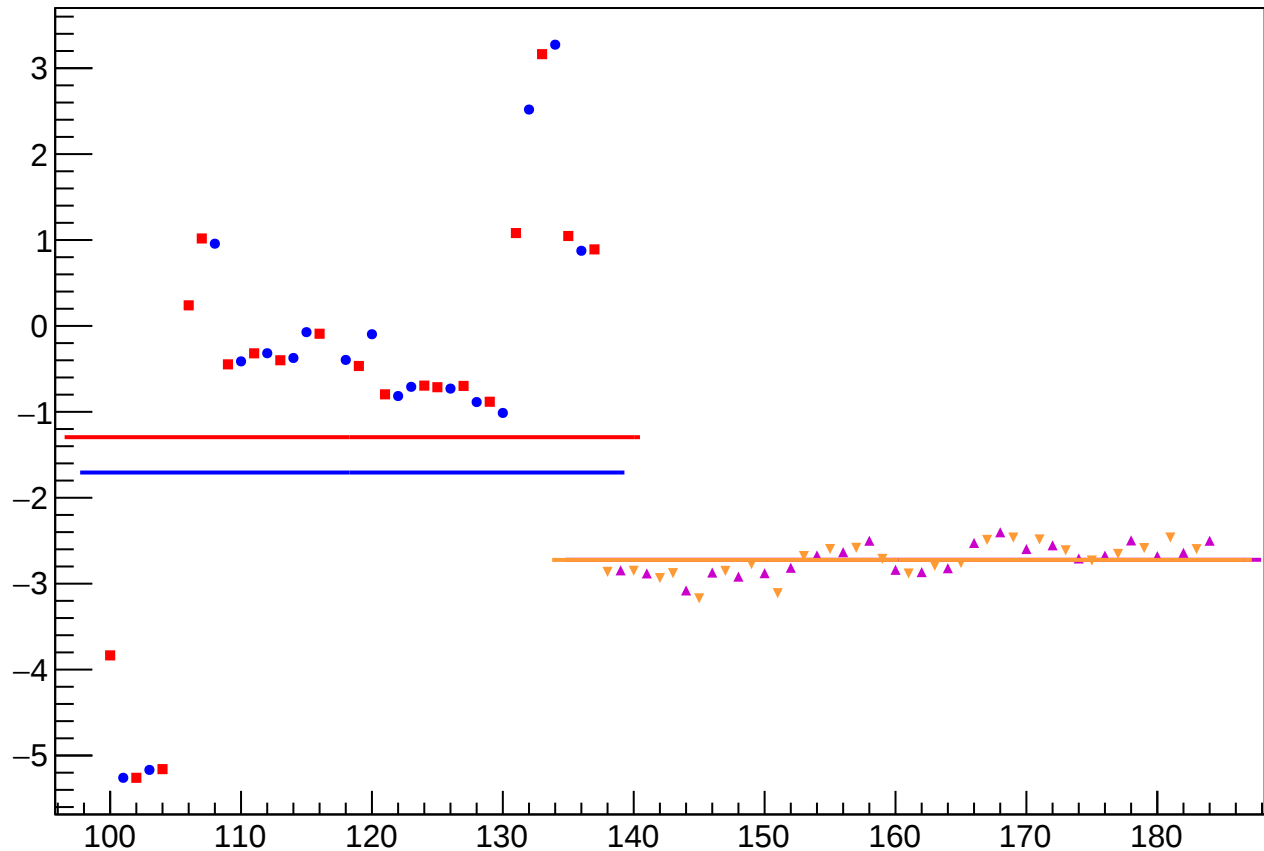
Left In: 0.064 $\pm$ 0.000 χ^2 /NDF:6990231.5/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 31660351.7/40

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 61831763.6/82

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 30171101.7/41

yield_bpm0l04X_mean vs Slug



Right In: -1.706 ± 0.000 χ^2/NDF : 166152957432.2/16

Left Out: -2.723 ± 0.000 χ^2/NDF : 10121568424.9/23

Right Out: -1.295 ± 0.000 χ^2/NDF : 178454284120.5/18

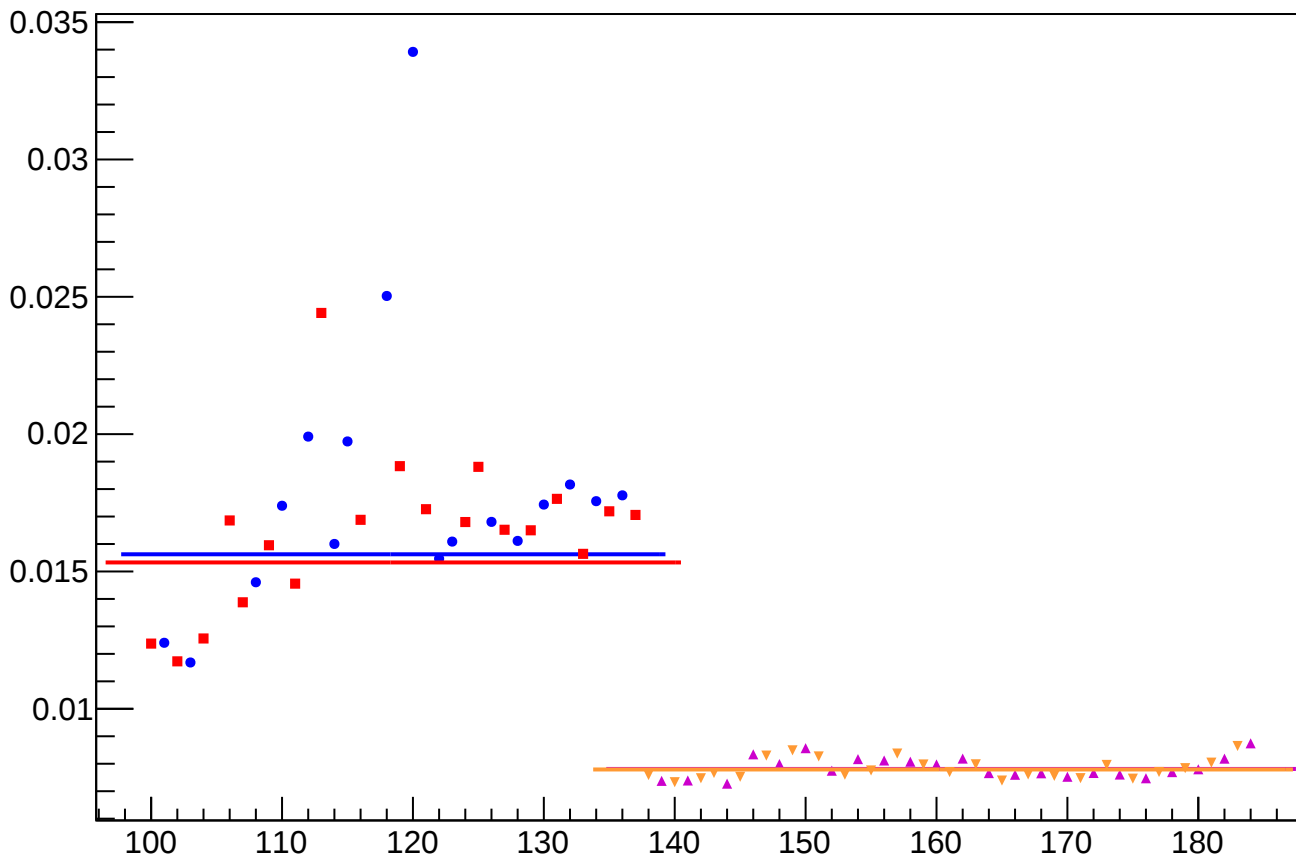
Left In: -2.722 ± 0.000 χ^2/NDF : 8146484592.1/22

+ sign -2.648 ± 0.000 χ^2/NDF : 198202101129.6/40

All: -2.623 ± 0.000 χ^2/NDF : 434116973604.8

- sign -2.597 ± 0.000 χ^2/NDF : 235514276328.1/41

yield_bpm0l04X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 576262.6/16

Left Out: 0.008+/-0.000 χ^2/NDF : 67435.3/23

Right Out: 0.015+/-0.000 χ^2/NDF : 349445.5/18

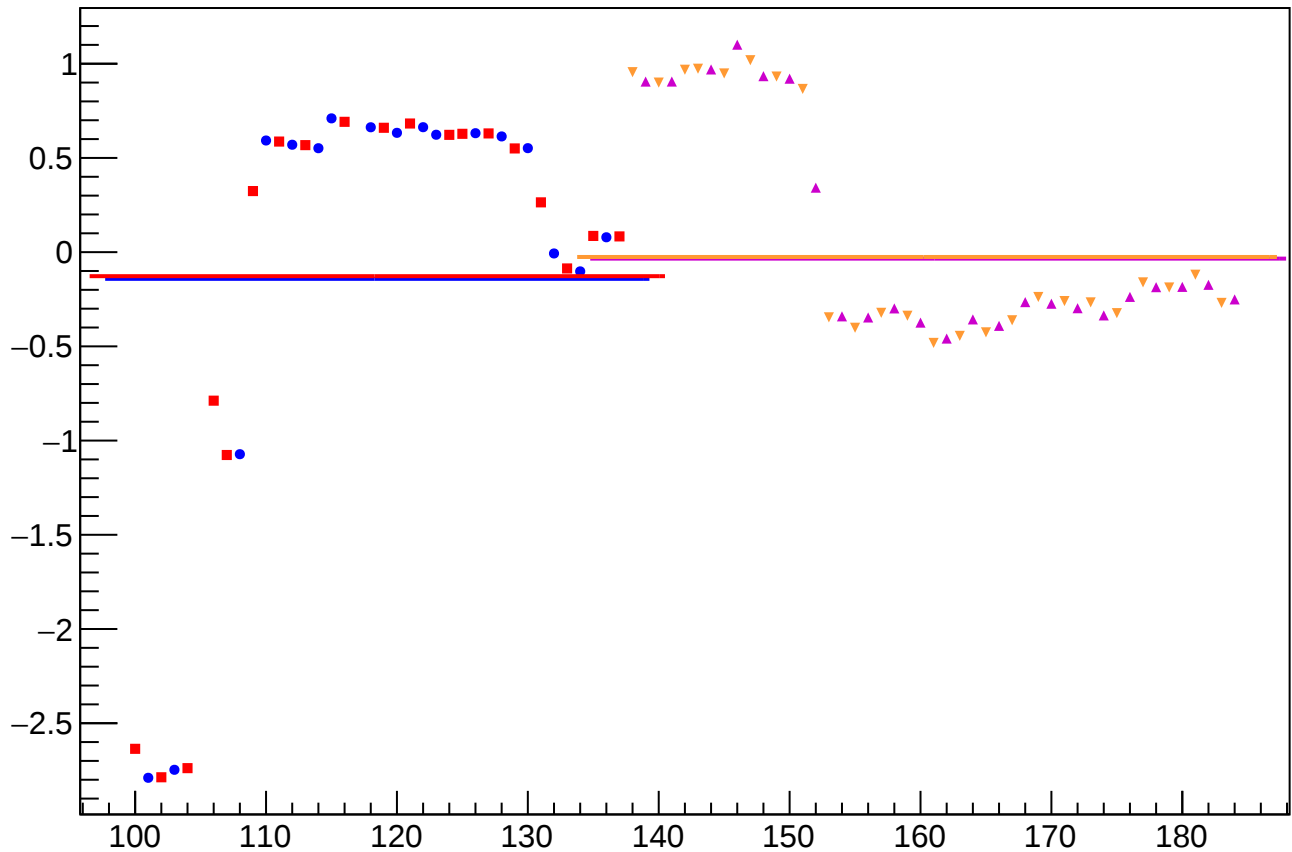
Left In: 0.008+/-0.000 χ^2/NDF : 67610.2/22

+ sign 0.008+/-0.000 χ^2/NDF : 3245799.2/40

All: 0.008+/-0.000 χ^2/NDF : 6381373.3/82

- sign 0.008+/-0.000 χ^2/NDF : 3132626.1/41

yield_bpm0l04Y_mean vs Slug



Right In: -0.142+/-0.000 χ^2/NDF : 713960839307.6/16

Left Out: -0.026+/-0.000 χ^2/NDF : 133283106399.8/23

Right Out: -0.128+/-0.000 χ^2/NDF : 760638736693.8/18

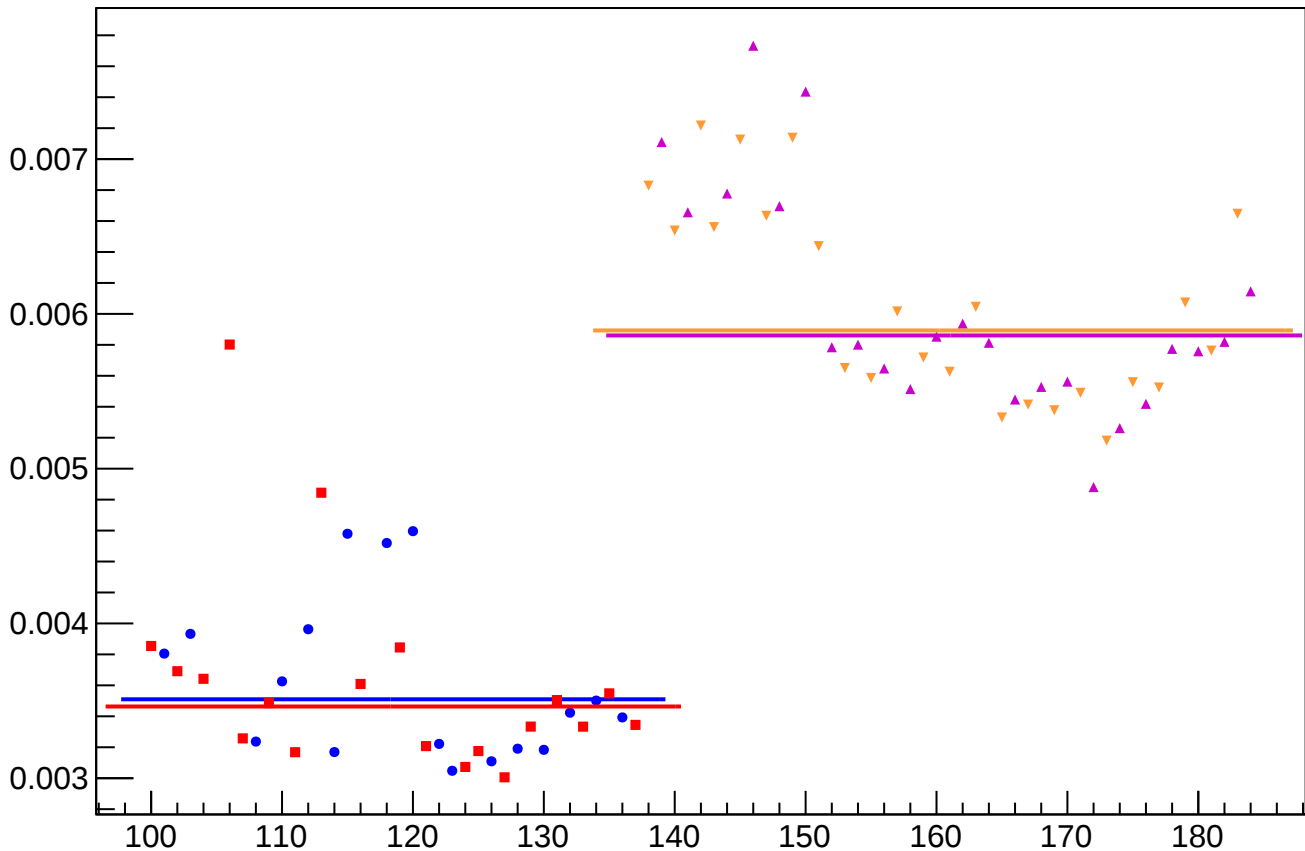
Left In: -0.034+/-0.000 χ^2/NDF : 113929060918.1/22

+ sign -0.086+/-0.000 χ^2/NDF : 850558003942.5/40

All: -0.085+/-0.000 χ^2/NDF : 1727330480971

- sign -0.085+/-0.000 χ^2/NDF : 876772351249.8/41

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 171943.8/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:298604.8/23

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 215500.5/18

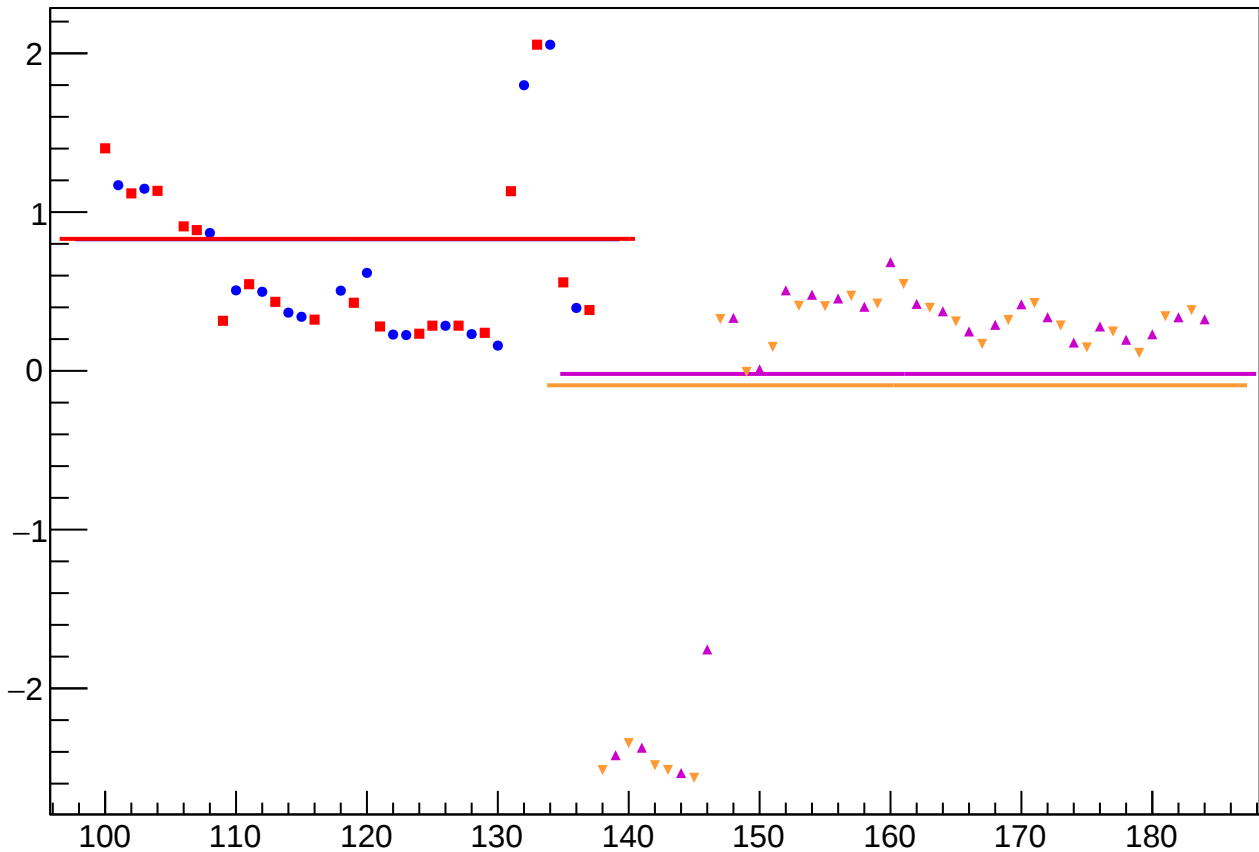
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:364512.1/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3269249.4/40

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 6778532.8/82

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3497977.6/41

yield_bpm0l05X_mean vs Slug



Right In: 0.829+/-0.000 χ^2/NDF : 31663410264.3/16

Left Out: -0.091+/-0.000 χ^2/NDF : 492360625913.1/23

Right Out: 0.831+/-0.000 χ^2/NDF : 33383369168.0/18

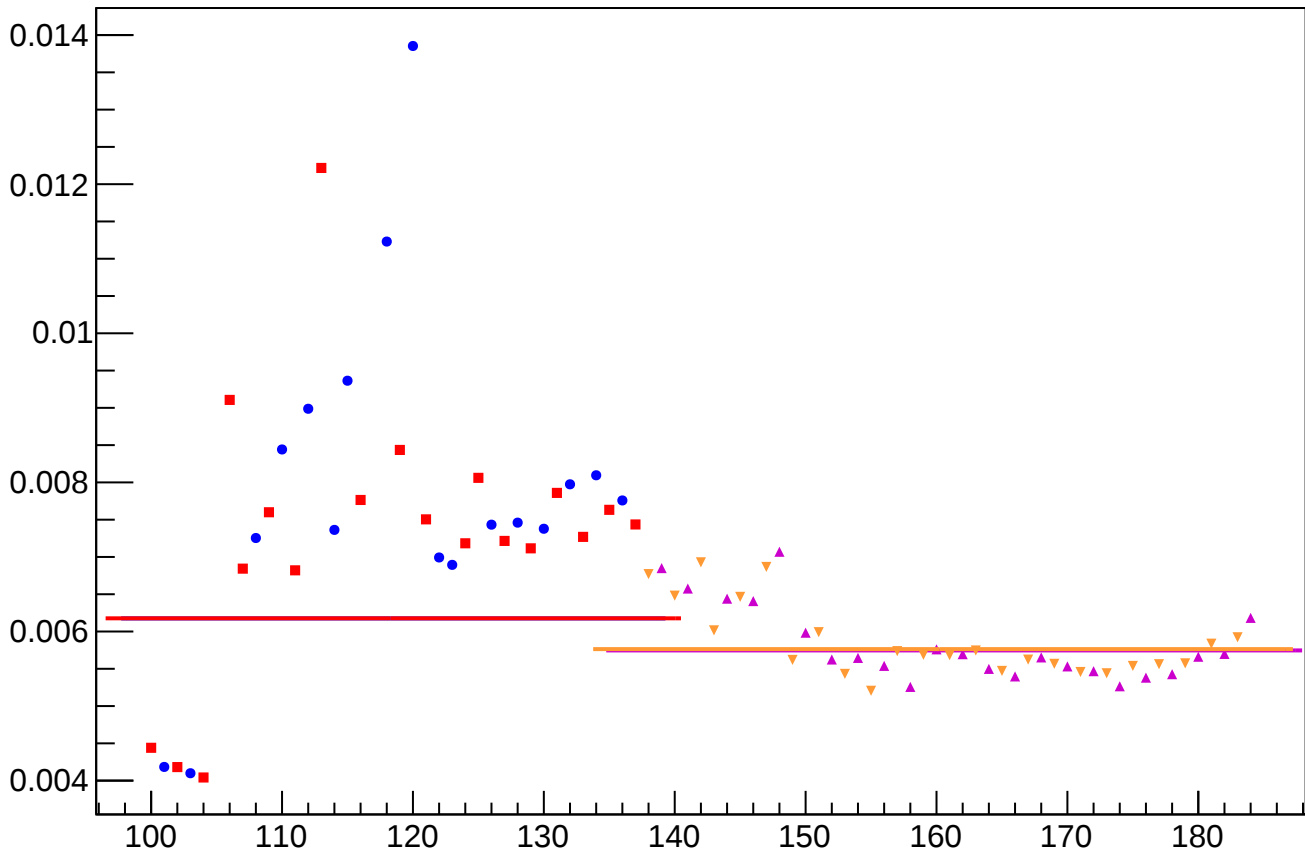
Left In: -0.019+/-0.000 χ^2/NDF : 417104863944.5/22

+ sign 0.107+/-0.000 χ^2/NDF : 616377210699.8/40

All: 0.144+/-0.000 χ^2/NDF : 1152698956747.

- sign 0.181+/-0.000 χ^2/NDF : 534564490191.2/41

yield_bpm0l05X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 1221890.6/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:174105.4/23

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 1020690.2/18

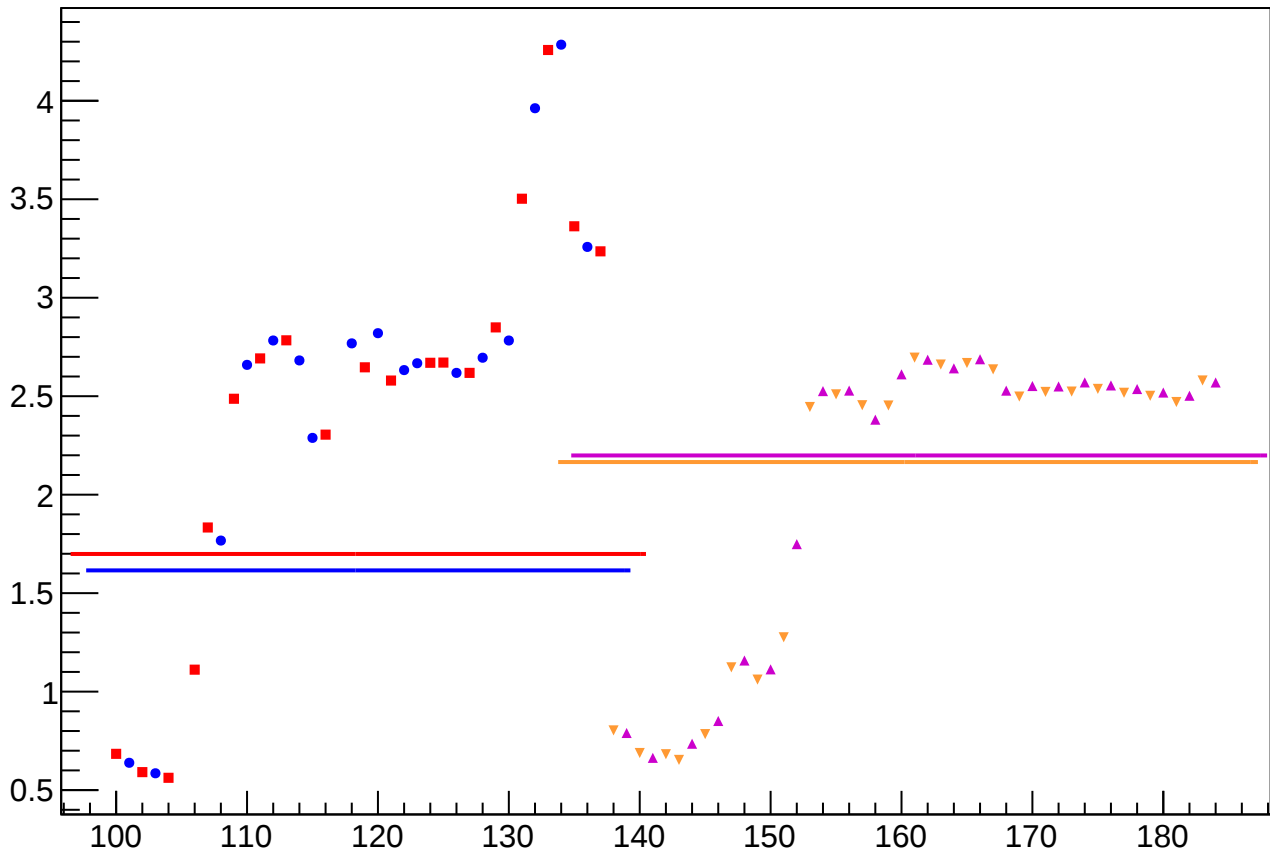
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:204066.4/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 1432961.9/40

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 2700810.1/82

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 1267833.6/41

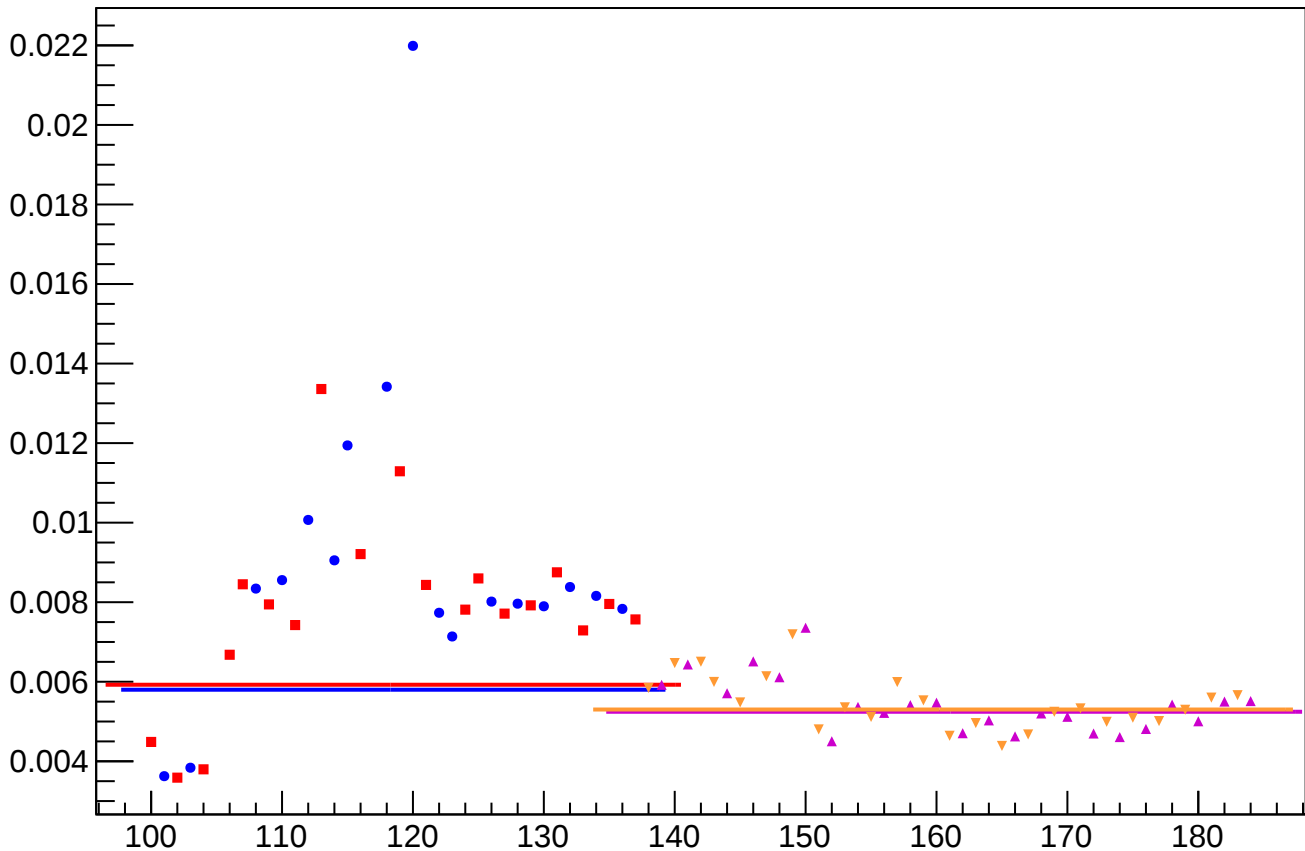
yield_bpm0l05Y_mean vs Slug



Right In: 1.616+/-0.000 χ^2/NDF : 202687681737.9/16
 Left Out: 2.166+/-0.000 χ^2/NDF : 287139691303.2/23
 Right Out: 1.699+/-0.000 χ^2/NDF : 227853059871.9/18
 Left In: 2.199+/-0.000 χ^2/NDF : 253166239065.4/22

+ sign 2.057+/-0.000 χ^2/NDF : 524541701972.0/40
 All: 2.075+/-0.000 χ^2/NDF : 1036164748715.
 - sign 2.094+/-0.000 χ^2/NDF : 511119849395.3/41

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 : 384398.2/23

Right Out: 0.006+/-0.000 χ^2/NDF : 1677224.2/18

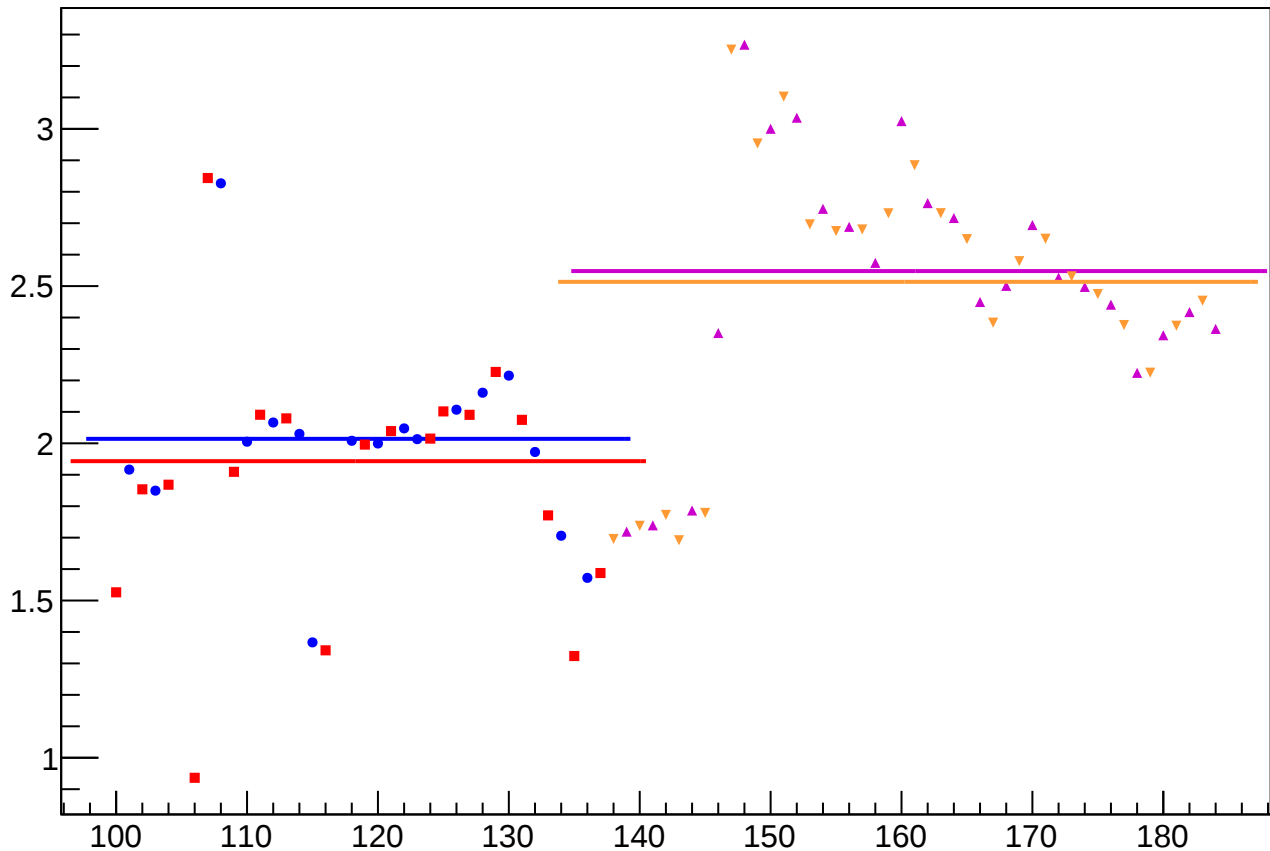
Left In: 0.005+/-0.000 χ^2/NDF : 425864.8/22

+ sign 0.005+/-0.000 χ^2/NDF : 2352644.5/40

All: 0.005+/-0.000 χ^2/NDF : 4566843.4/82

- sign 0.005+/-0.000 χ^2/NDF : 2214093.6/41

yield_bpm0l06X_mean vs Slug



Right In: 2.014 $\pm$ 0.000 χ^2 /NDF: 12207088036.2/16

Left Out: 2.514 $\pm$ 0.000 χ^2 /NDF: 51250734769.7/23

Right Out: 1.943 $\pm$ 0.000 χ^2 /NDF: 21416554404.5/18

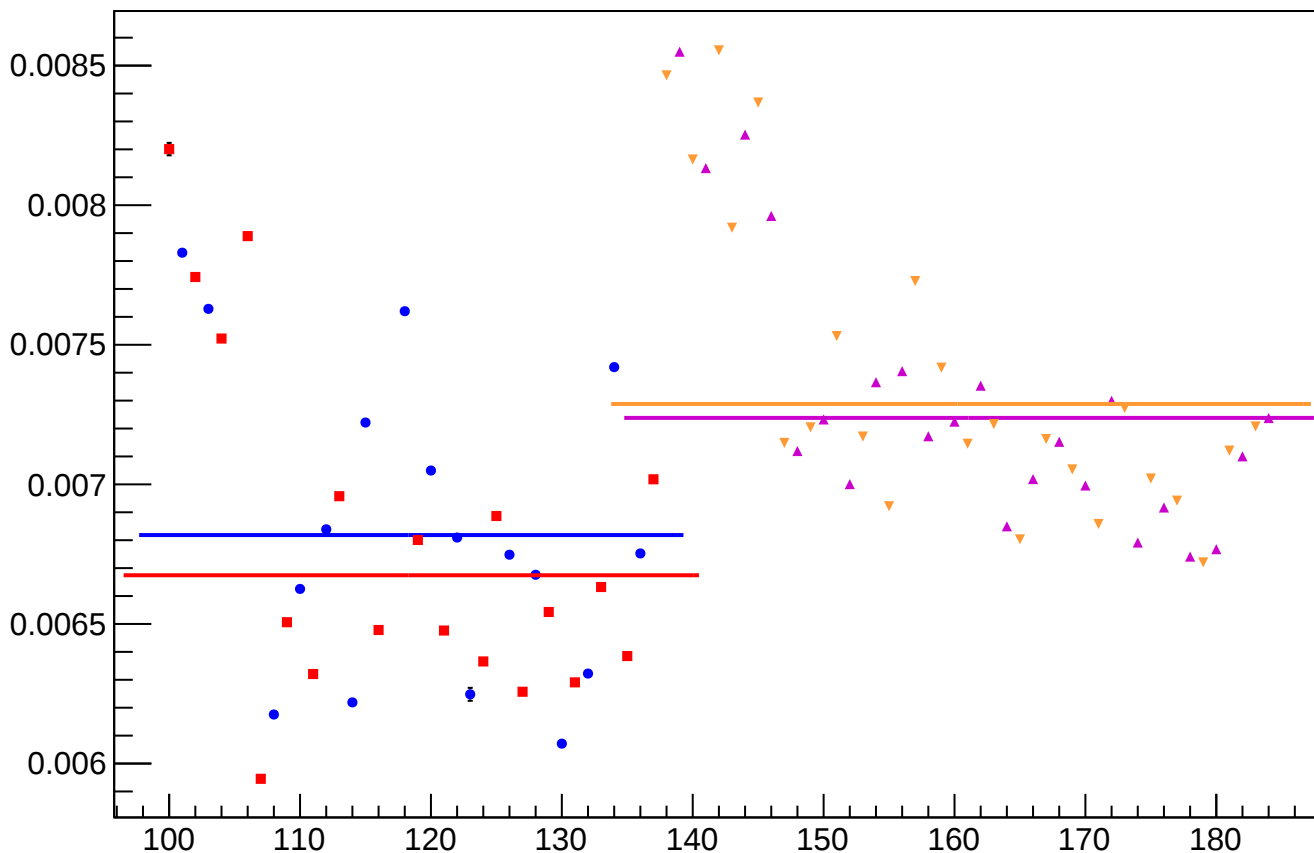
Left In: 2.548 $\pm$ 0.000 χ^2 /NDF: 45350336058.7/22

+ sign 2.365 $\pm$ 0.000 χ^2 /NDF: 87345857477.2/40

All: 2.359 $\pm$ 0.000 χ^2 /NDF: 191665067641.0

- sign 2.352 $\pm$ 0.000 χ^2 /NDF: 104278417126.6/41

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 :137967.3/23

Right Out: 0.007+/-0.000 χ^2/NDF : 76755.5/18

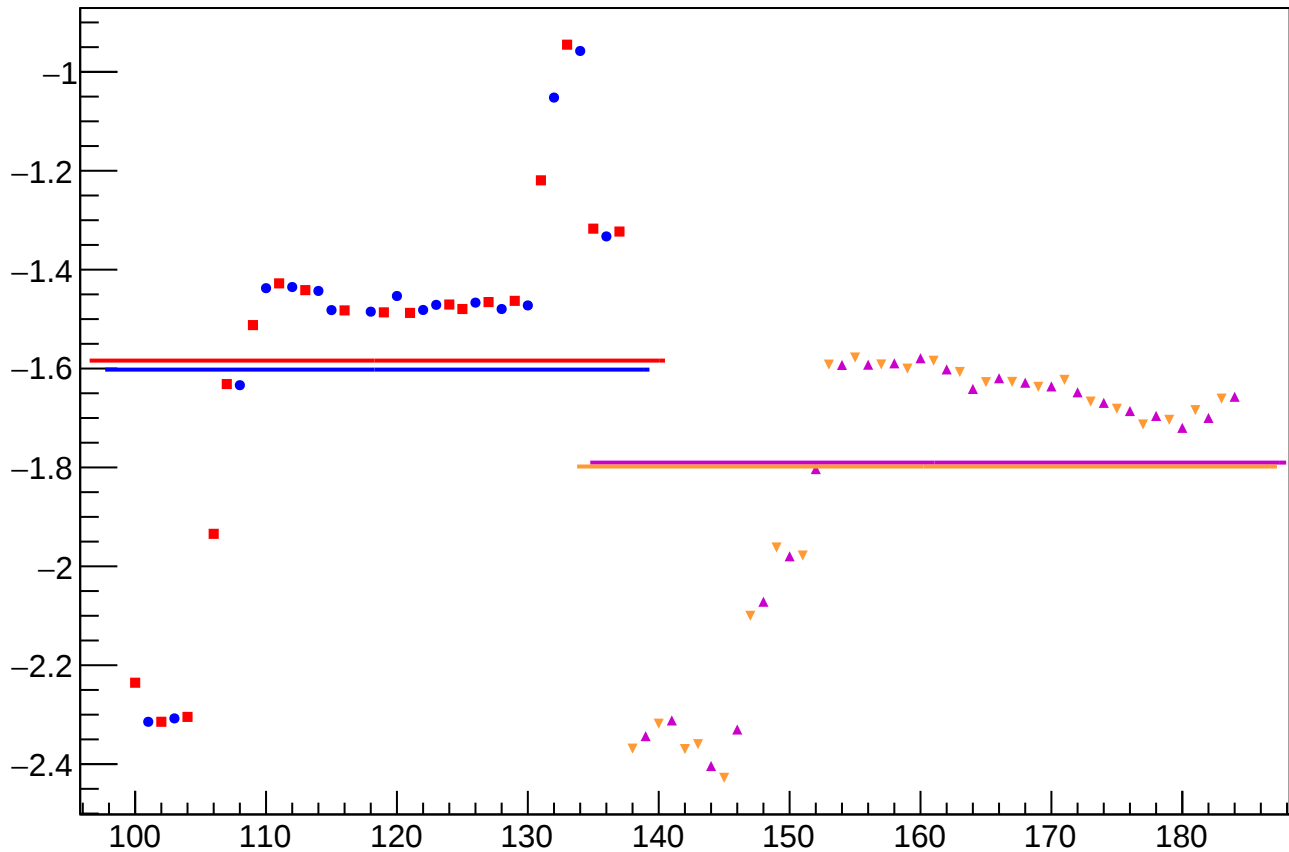
Left In: 0.007+/-0.000 χ^2/NDF :125233.2/22

+ sign 0.007+/-0.000 χ^2/NDF : 257102.0/40

All: 0.007+/-0.000 χ^2/NDF : 528312.5/82

- sign 0.007+/-0.000 χ^2/NDF : 267202.6/41

yield_bpm0l06Y_mean vs Slug



Right In: -1.602+/-0.000 χ^2 /NDF: 140170767010.0/16

Left Out: -1.798+/-0.000 χ^2 /NDF: 180822121087.0/23

Right Out: -1.584+/-0.000 χ^2 /NDF: 143827090276.5/18

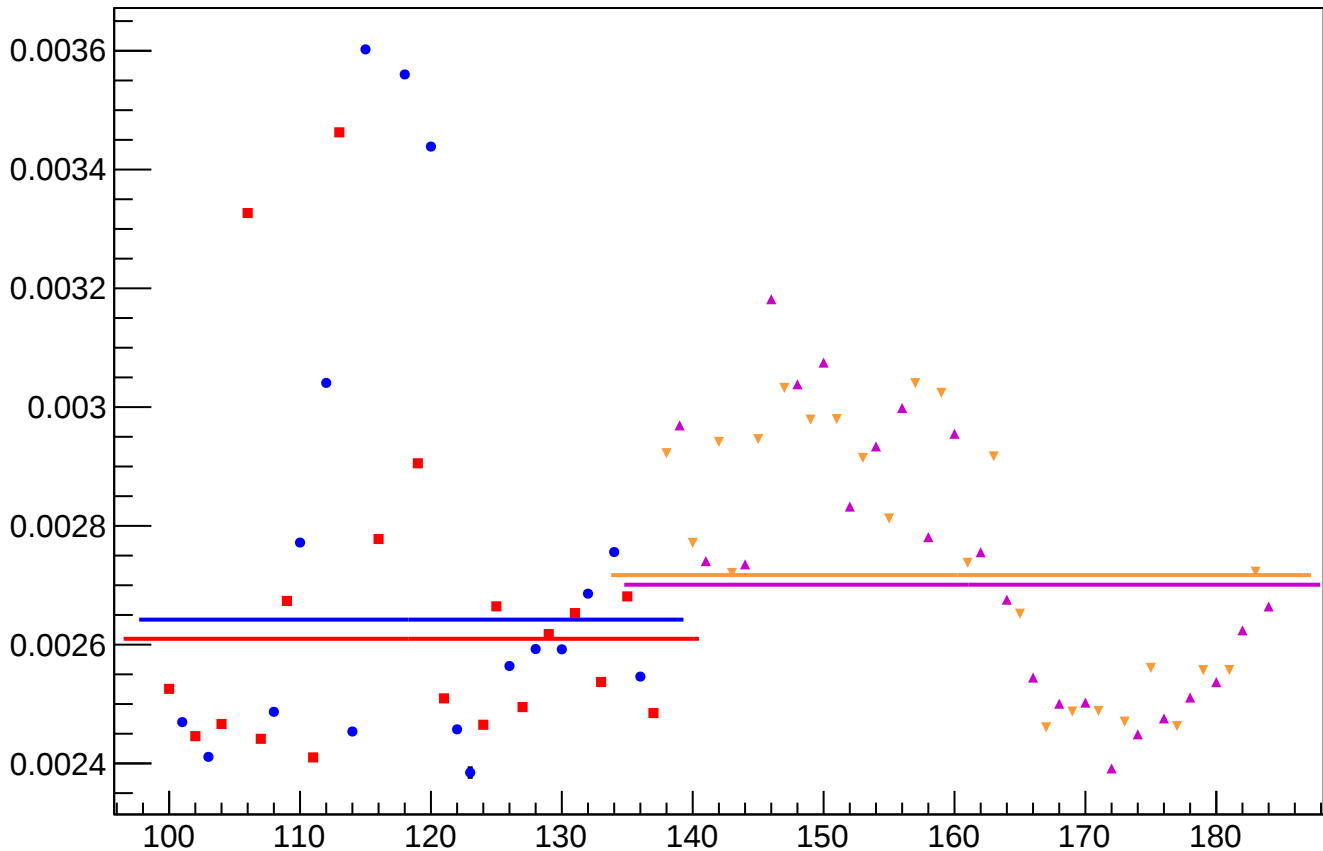
Left In: -1.790+/-0.000 χ^2 /NDF: 159648935510.8/22

+ sign -1.744+/-0.000 χ^2 /NDF: 345827429279.9/40

All: -1.736+/-0.000 χ^2 /NDF: 678770778263.3

- sign -1.728+/-0.000 χ^2 /NDF: 332559531844.2/41

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 :199479.2/23

Right Out: 0.003+/-0.000 χ^2/NDF : 104781.3/18

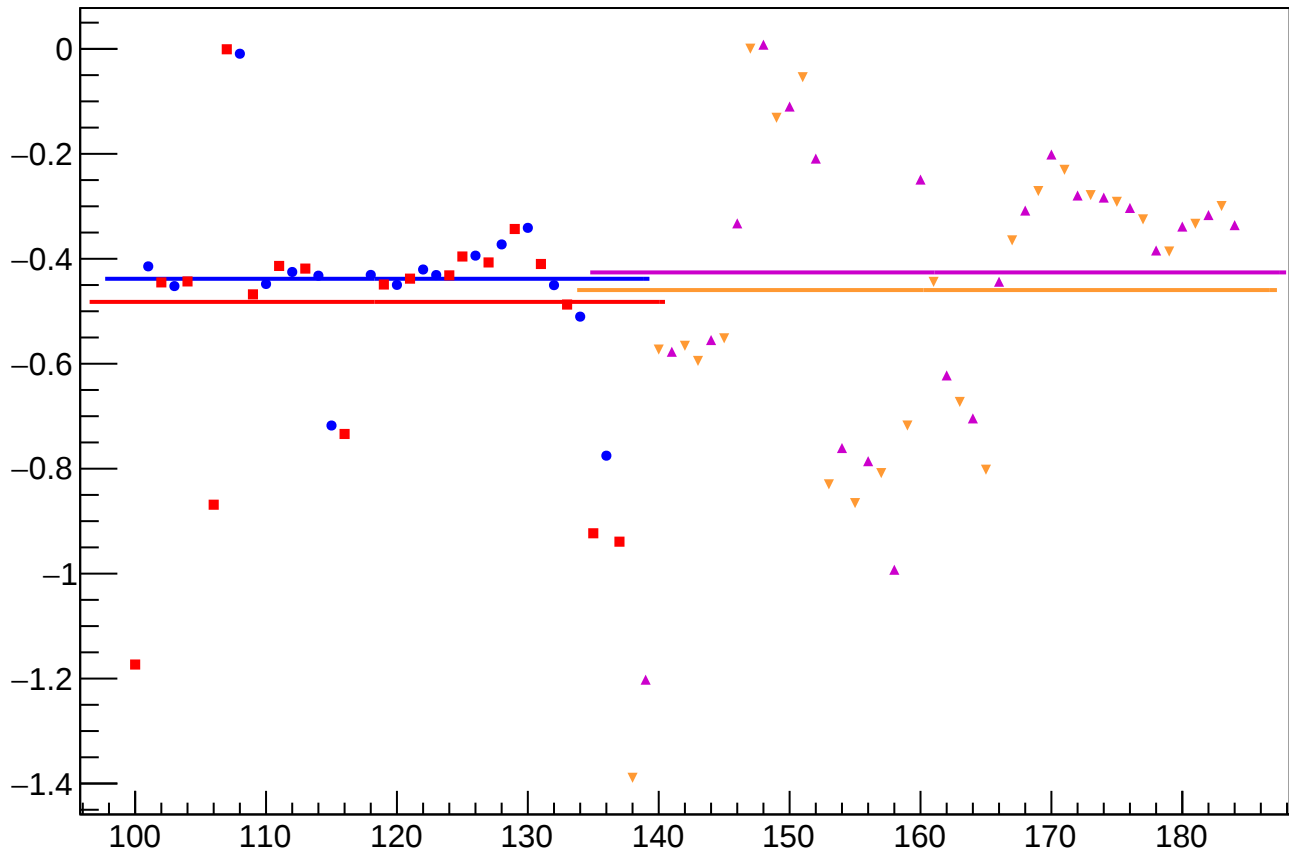
Left In: 0.003+/-0.000 χ^2/NDF :220327.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 358674.4/40

All: 0.003+/-0.000 χ^2/NDF : 696782.6/82

- sign 0.003+/-0.000 χ^2/NDF : 336439.7/41

yield_bpm0l07X_mean vs Slug



Right In: -0.438+/-0.000 χ^2/NDF : 1461198978.4/16

Left Out: -0.460+/-0.000 χ^2/NDF : 9880064289.8/23

Right Out: -0.482+/-0.000 χ^2/NDF : 2693383941.7/18

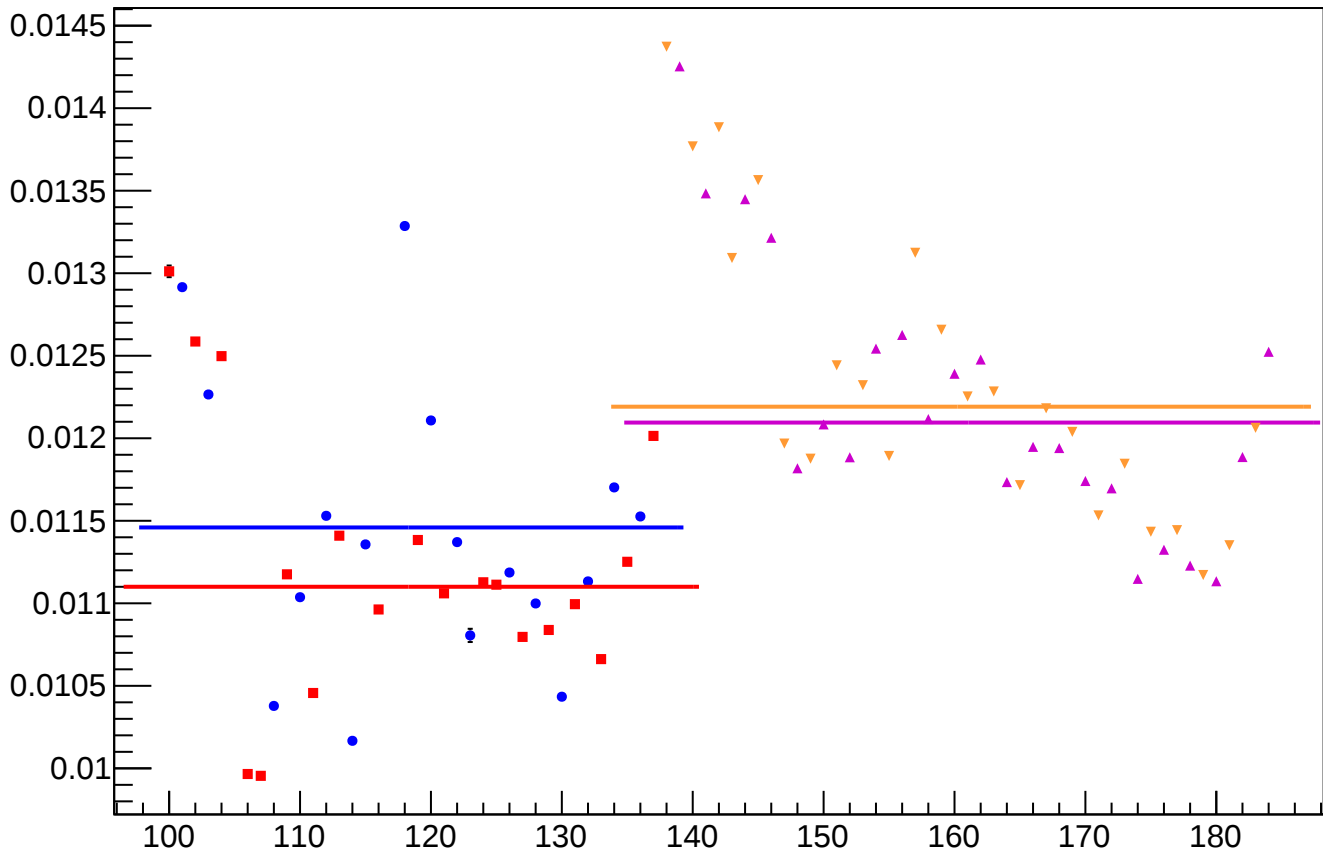
Left In: -0.426+/-0.000 χ^2/NDF : 8424222576.0/22

+ sign -0.453+/-0.000 χ^2/NDF : 11357205932.4/40

All: -0.449+/-0.000 χ^2/NDF : 22599476846.5/41

- sign -0.445+/-0.000 χ^2/NDF : 11236029750.1/41

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 :139225.5/23

Right Out: 0.011+/-0.000 χ^2/NDF : 56096.3/18

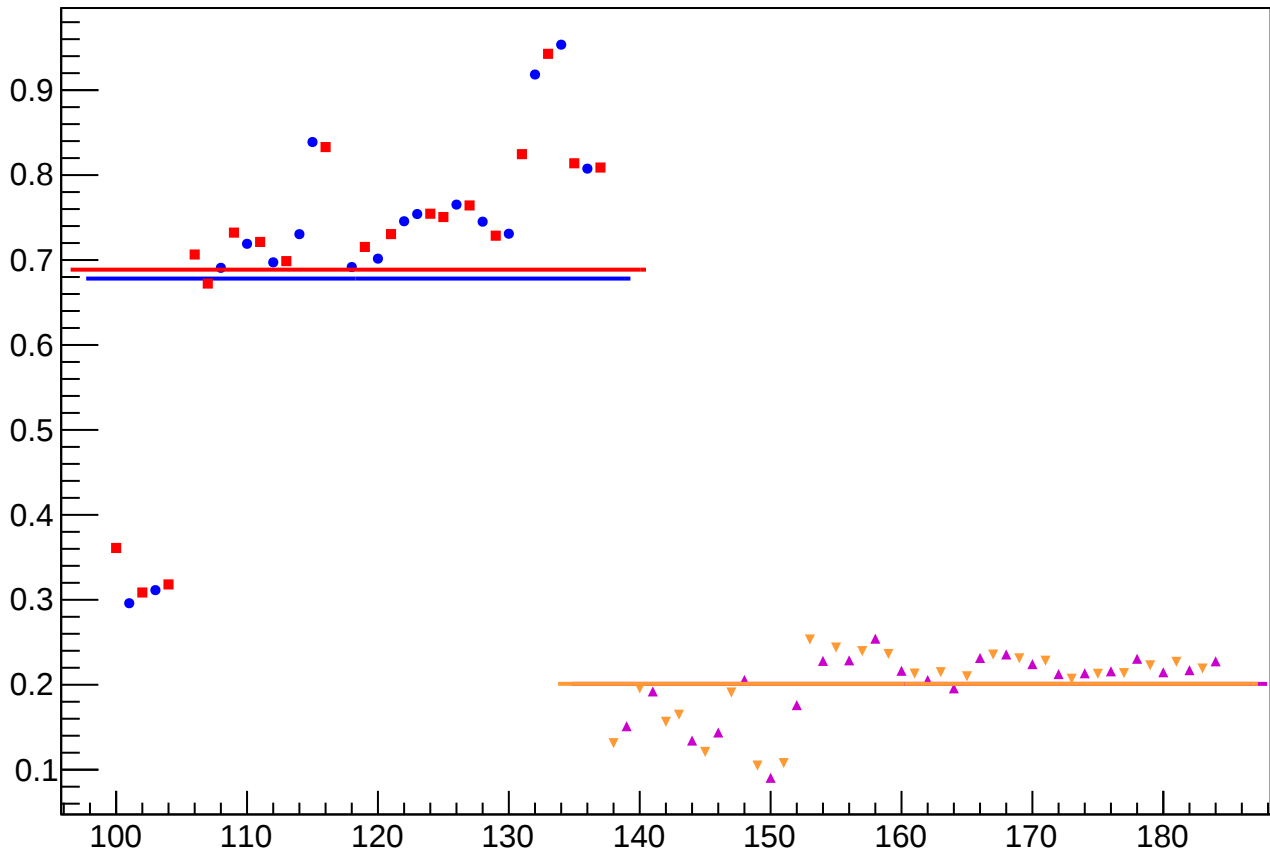
Left In: 0.012+/-0.000 χ^2/NDF :127308.3/22

+ sign 0.012+/-0.000 χ^2/NDF : 240753.9/40

All: 0.012+/-0.000 χ^2/NDF : 505700.3/82

- sign 0.012+/-0.000 χ^2/NDF : 257727.7/41

yield_bpm0l07Y_mean vs Slug



Right In: 0.678 $\pm$ 0.000 χ^2 /NDF: 38485337866.0/16

Left Out: 0.201 $\pm$ 0.000 χ^2 /NDF: 6982246212.1/23

+ sign 0.298 $\pm$ 0.000 χ^2 /NDF: 228584068011.7/40

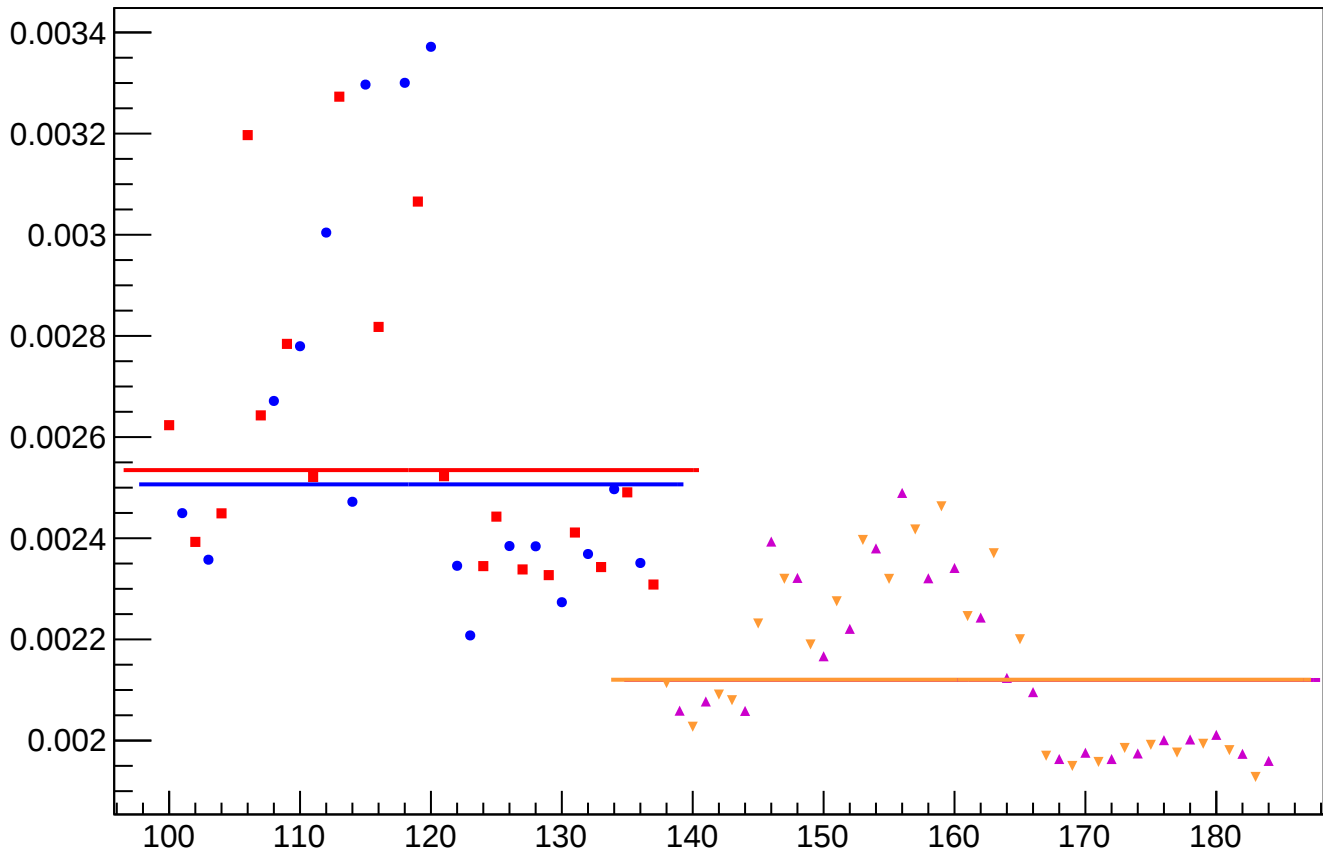
Right Out: 0.689 $\pm$ 0.000 χ^2 /NDF: 35296354242.4/18

All: 0.302 $\pm$ 0.000 χ^2 /NDF: 463863223603.4

Left In: 0.201 $\pm$ 0.000 χ^2 /NDF: 5671770181.2/22

- sign 0.306 $\pm$ 0.000 χ^2 /NDF: 235145759829.2/41

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 : 219198.6/23

Right Out: 0.003+/-0.000 χ^2/NDF : 131675.7/18

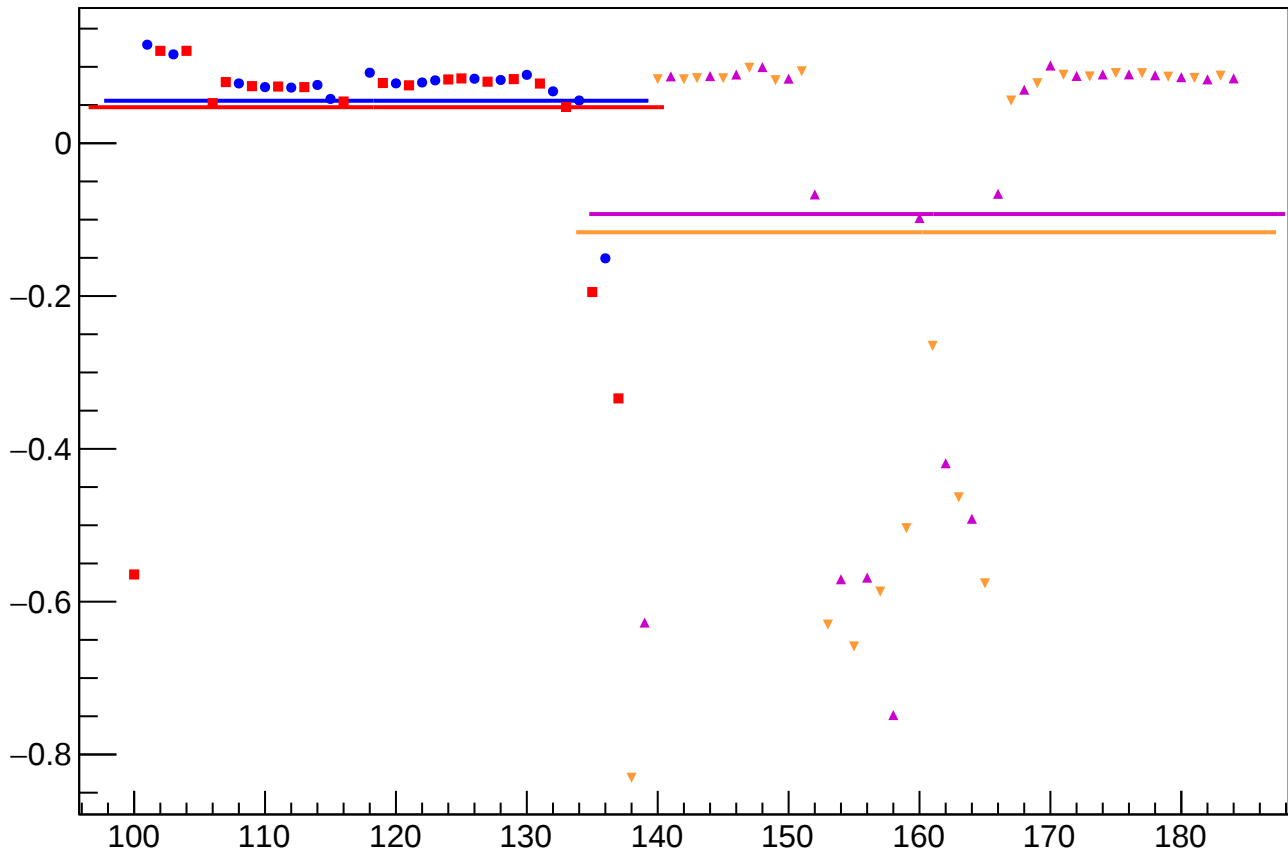
Left In: 0.002+/-0.000 χ^2/NDF : 189228.6/22

+ sign 0.002+/-0.000 χ^2/NDF : 633645.4/40

All: 0.002+/-0.000 χ^2/NDF : 1236213.9/82

- sign 0.002+/-0.000 χ^2/NDF : 602094.5/41

yield_bpm0l08X_mean vs Slug



Right In: 0.056+/-0.000 χ^2/NDF : 422754930.4/16

Left Out: -0.117+/-0.000 χ^2/NDF : 13559869285.7/23

Right Out: 0.047+/-0.000 χ^2/NDF : 819330612.8/18

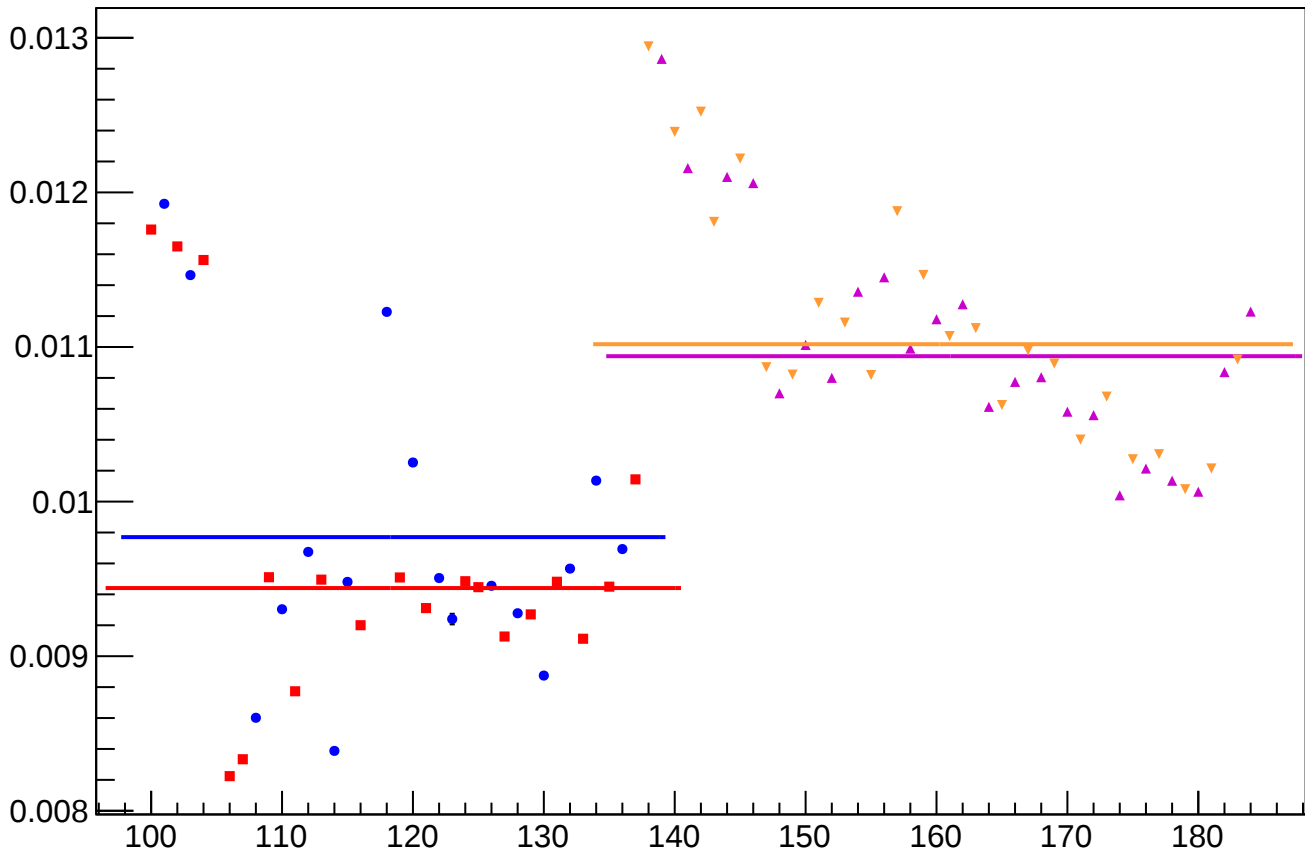
Left In: -0.093+/-0.000 χ^2/NDF : 11051944893.7/22

+ sign -0.061+/-0.000 χ^2/NDF : 15334317517.2/40

All: -0.052+/-0.000 χ^2/NDF : 28211850603.9/41

- sign -0.043+/-0.000 χ^2/NDF : 12840879306.6/41

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 : 139095.7/23

Right Out: 0.009+/-0.000 χ^2/NDF : 110651.6/18

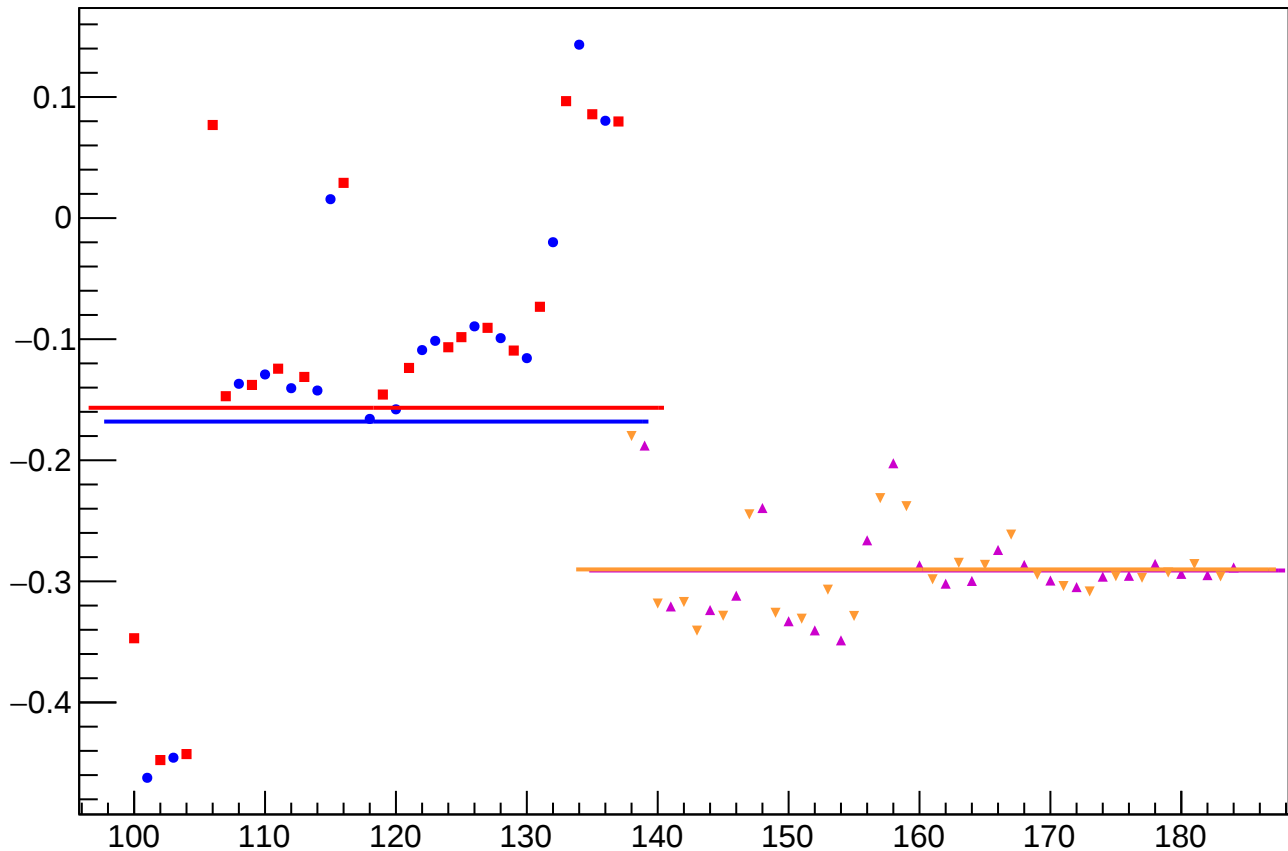
Left In: 0.011+/-0.000 χ^2/NDF : 128914.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 397170.6/40

All: 0.011+/-0.000 χ^2/NDF : 869454.3/82

- sign 0.010+/-0.000 χ^2/NDF : 462626.1/41

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 : 2862045992.1/23

Right Out: -0.157+/-0.000 χ^2/NDF : 11031837915.5/18

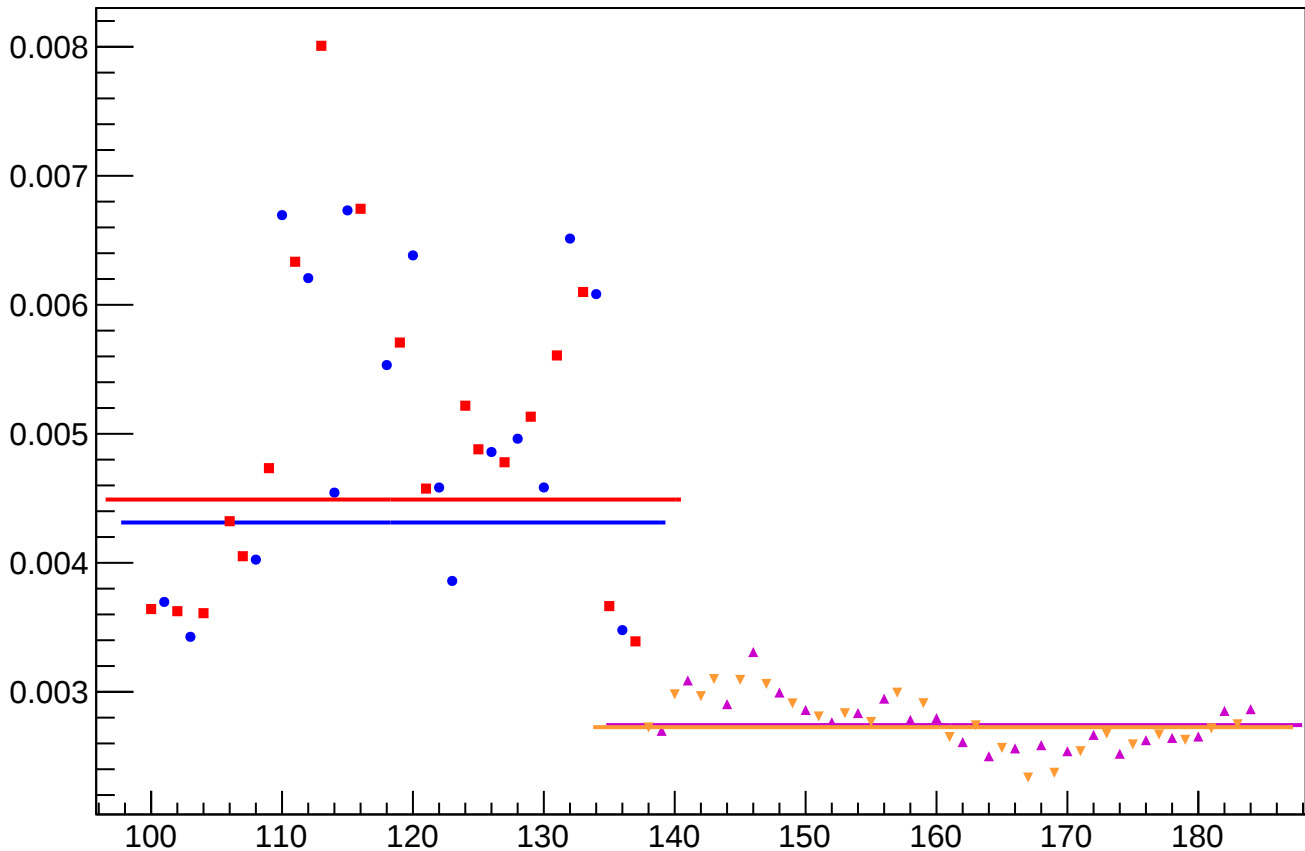
Left In: -0.291+/-0.000 χ^2/NDF : 3125402243.3/22

+ sign -0.276+/-0.000 χ^2/NDF : 19281181311.1/40

All: -0.275+/-0.000 χ^2/NDF : 38316076603.7/41

- sign -0.275+/-0.000 χ^2/NDF : 19033148777.3/41

yield_bpm0l08Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 618348.9/16

Left Out: 0.003+/-0.000 χ^2/NDF :198905.8/23

Right Out: 0.004+/-0.000 χ^2/NDF : 639258.5/18

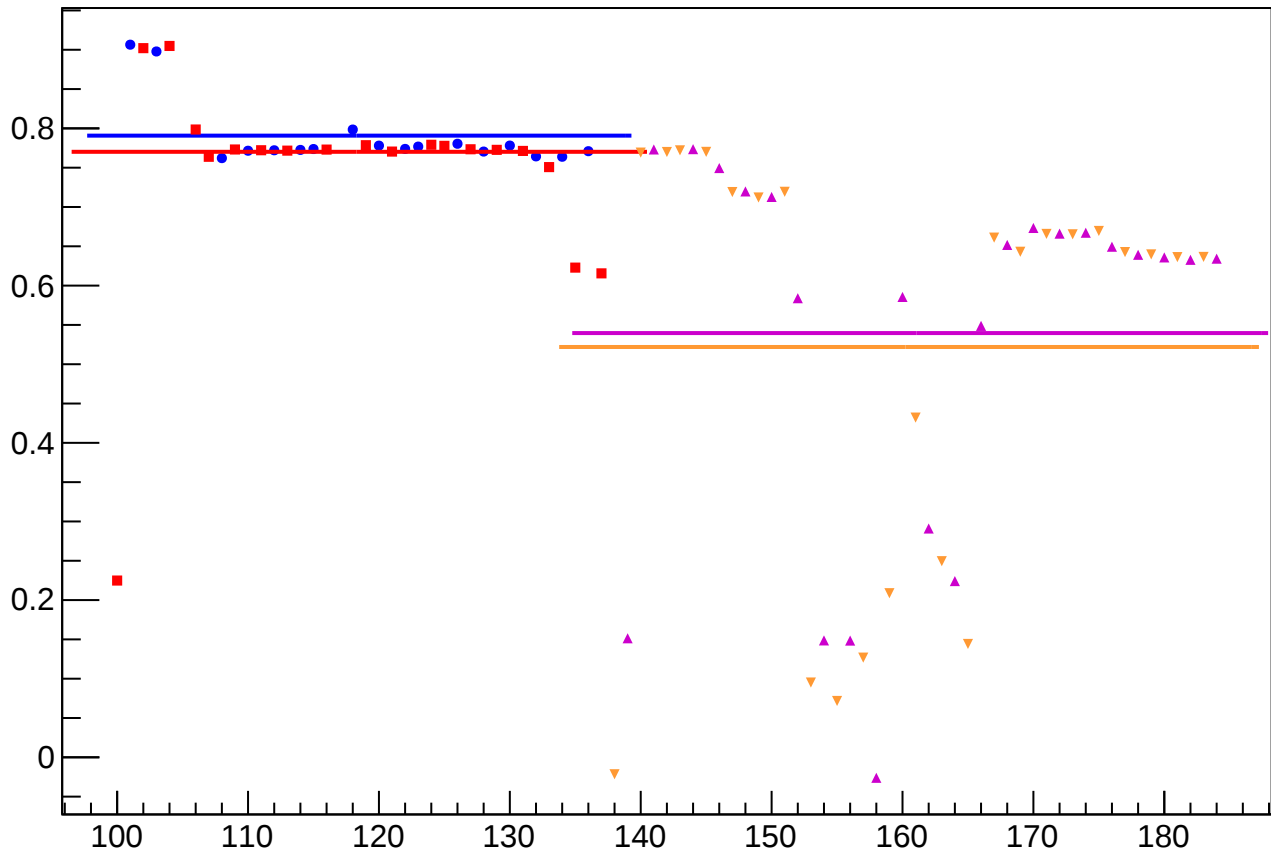
Left In: 0.003+/-0.000 χ^2/NDF :147778.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 2197504.4/40

All: 0.003+/-0.000 χ^2/NDF : 4639941.0/82

- sign 0.003+/-0.000 χ^2/NDF : 2437669.7/41

yield_bpm0l09X_mean vs Slug



Right In: 0.791 ± 0.000 χ^2/NDF : 106680493.2/16

Left Out: 0.522 ± 0.000 χ^2/NDF : 9554660009.8/23

Right Out: 0.770 ± 0.000 χ^2/NDF : 375430167.7/18

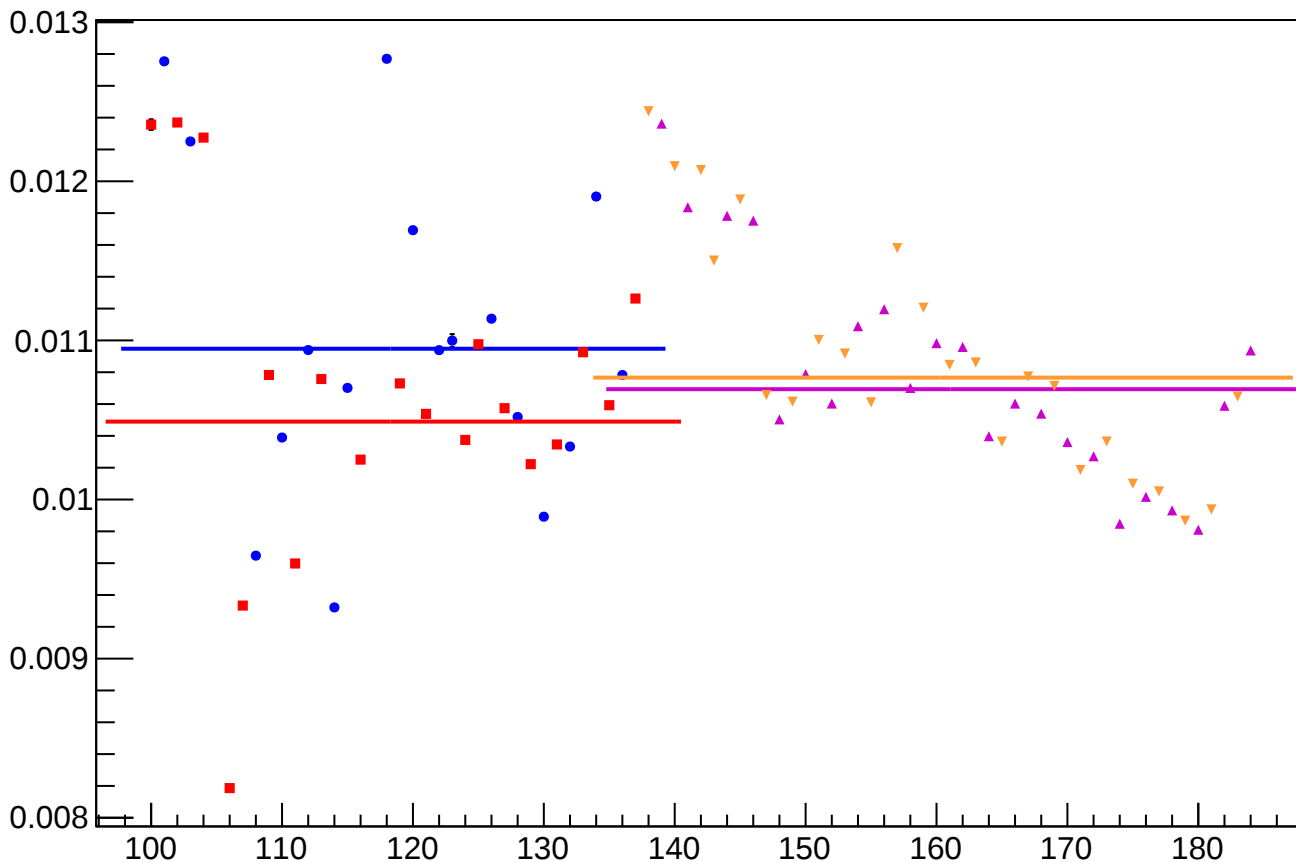
Left In: 0.540 ± 0.000 χ^2/NDF : 7860539135.5/22

+ sign 0.593 ± 0.000 χ^2/NDF : 12512828735.5/40

All: 0.601 ± 0.000 χ^2/NDF : 23101413610.6/8

- sign 0.609 ± 0.000 χ^2/NDF : 10562366290.0/41

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 : 129451.1/23

Right Out: 0.010+/-0.000 χ^2/NDF : 119502.0/18

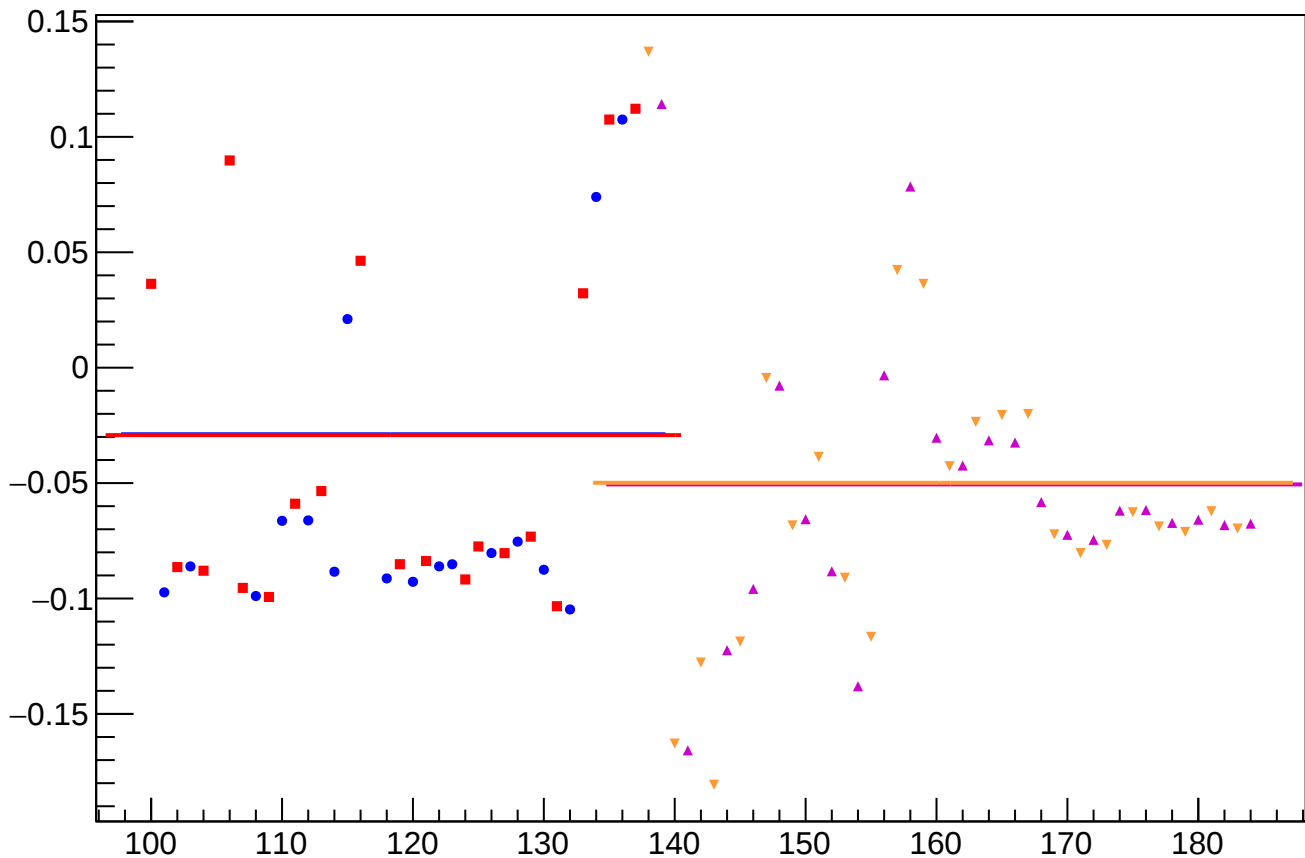
Left In: 0.011+/-0.000 χ^2/NDF : 119273.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 230069.8/40

All: 0.011+/-0.000 χ^2/NDF : 479276.8/82

- sign 0.011+/-0.000 χ^2/NDF : 242406.5/41

yield_bpm0l09Y_mean vs Slug



Right In: -0.029+/-0.000 χ^2/NDF : 2444911330.9/16

Left Out: -0.050+/-0.000 χ^2/NDF : 7209429734.6/23

Right Out: -0.029+/-0.000 χ^2/NDF : 2120368017.0/18

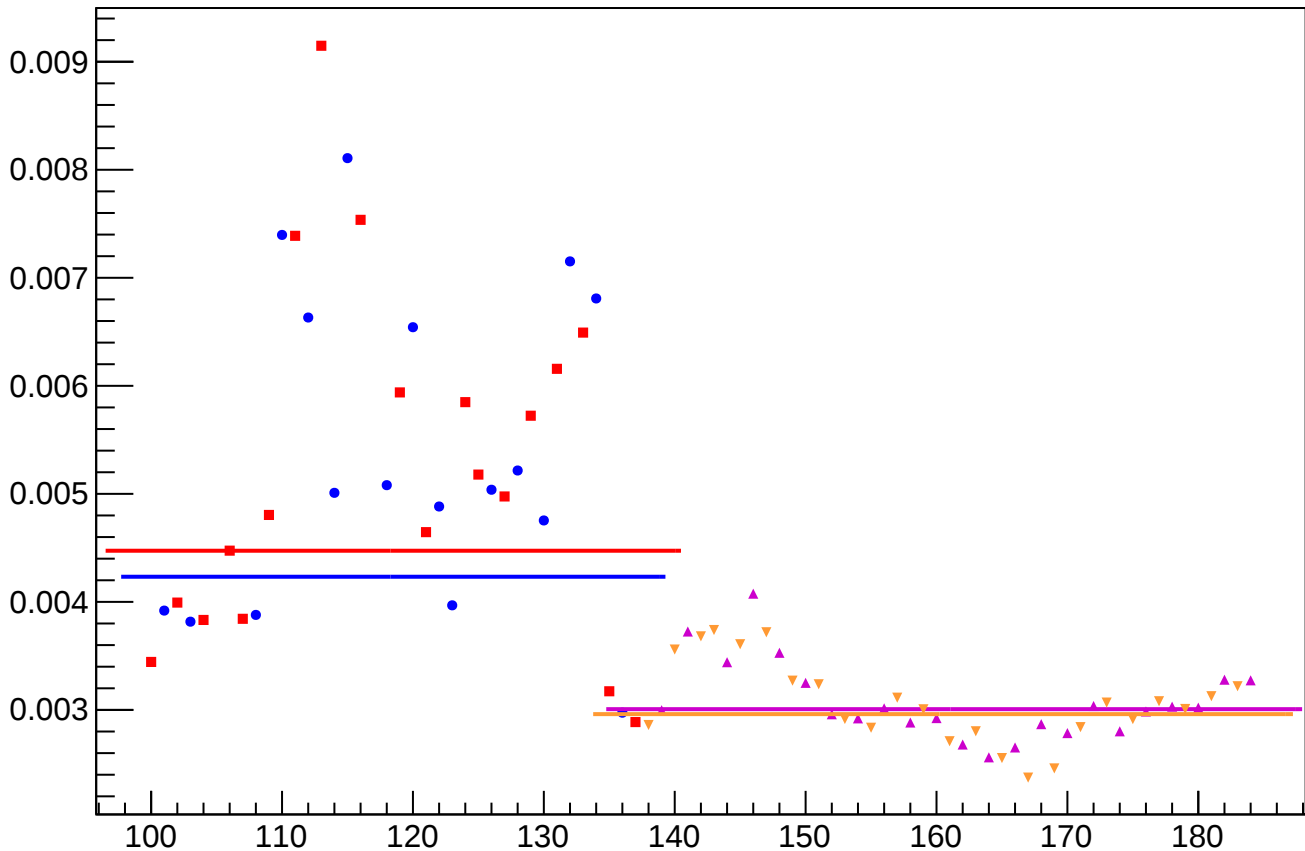
Left In: -0.051+/-0.000 χ^2/NDF : 6128769990.8/22

+ sign -0.047+/-0.000 χ^2/NDF : 9769993544.5/40

All: -0.047+/-0.000 χ^2/NDF : 18133832595.6/41

- sign -0.048+/-0.000 χ^2/NDF : 8363458815.4/41

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: 480520.0/23

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 969342.1/18

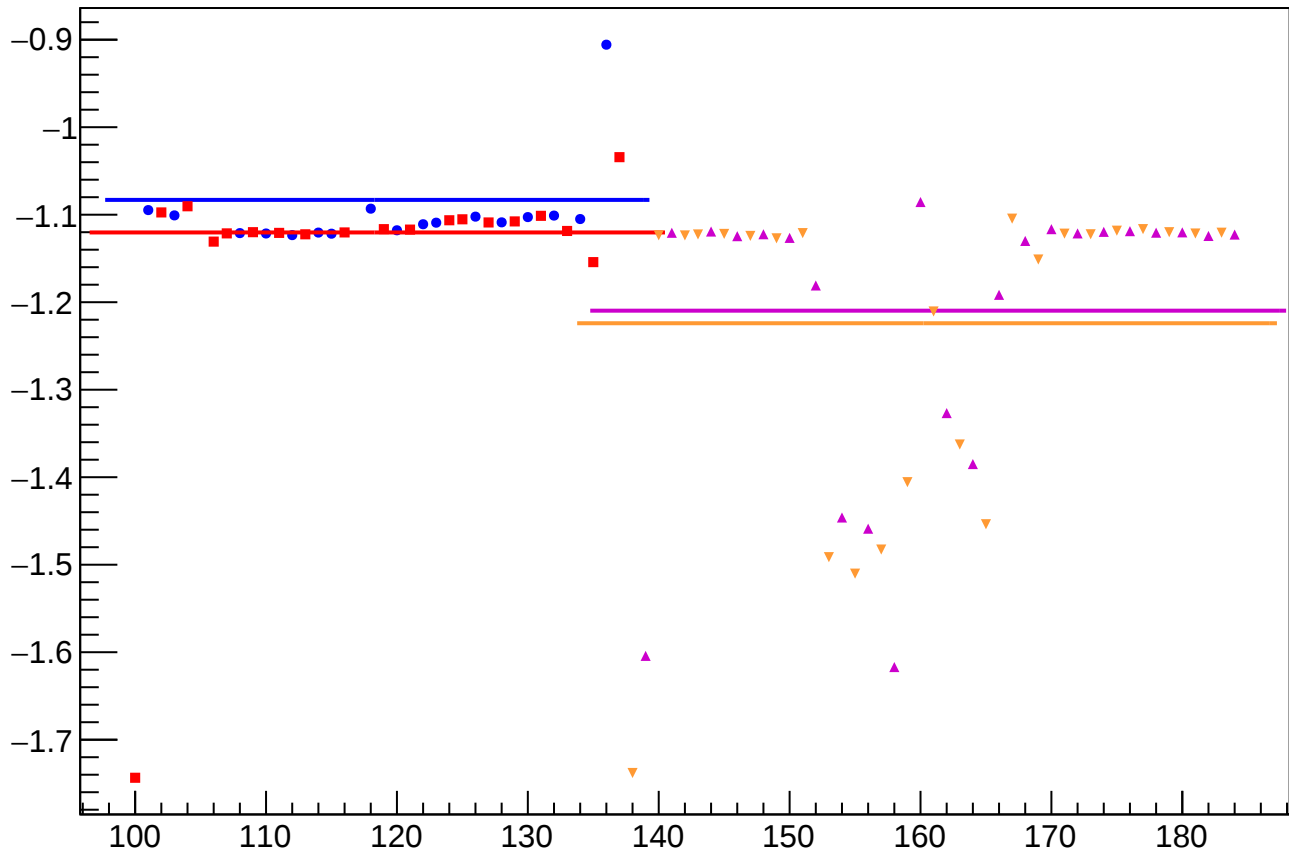
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 329068.1/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2206723.2/40

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 4595683.3/82

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2375955.2/41

yield_bpm0l10X_mean vs Slug



Right In: -1.083+/-0.000 χ^2/NDF : 202851874.4/16

Left Out: -1.224+/-0.000 χ^2/NDF : 5242993264.1/23

Right Out: -1.120+/-0.000 χ^2/NDF : 220508408.4/18

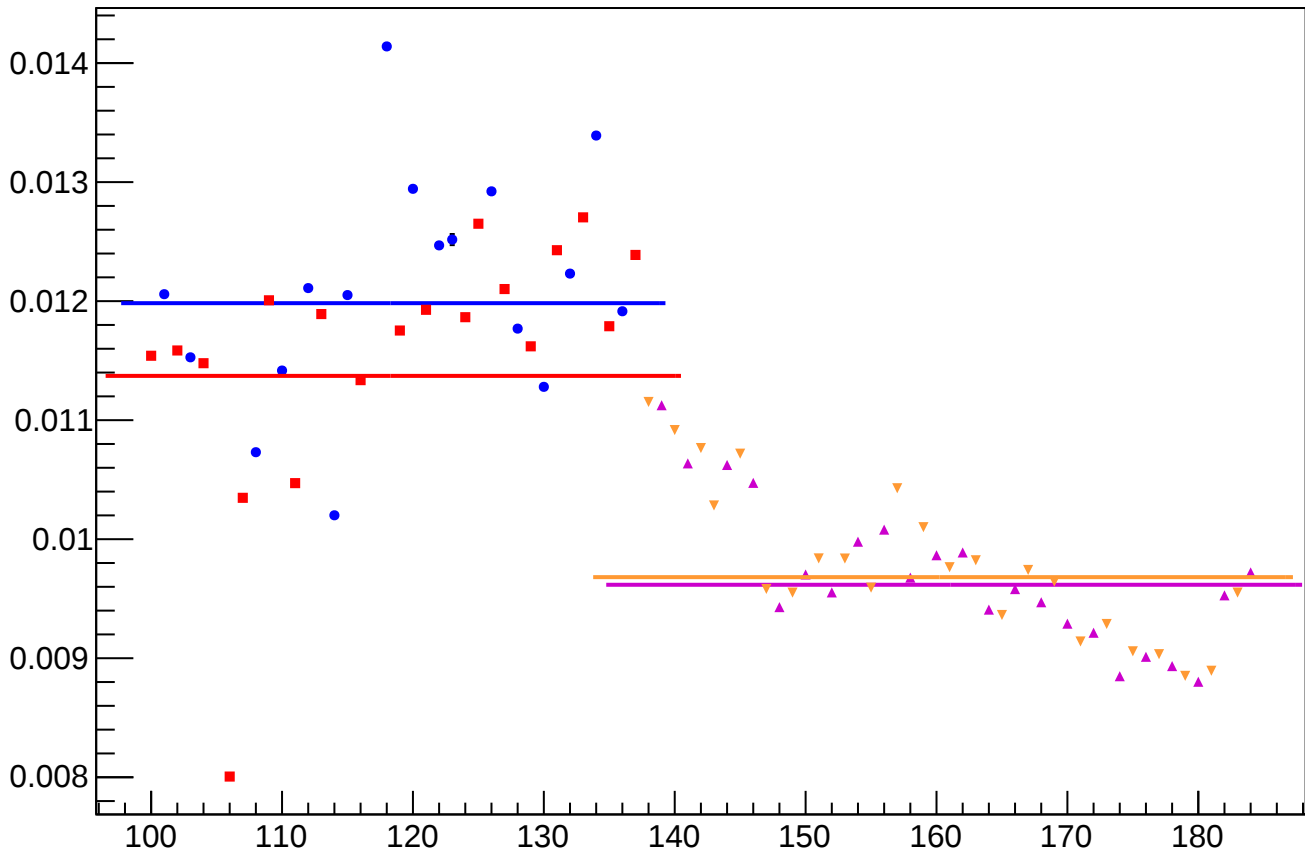
Left In: -1.210+/-0.000 χ^2/NDF : 4502367902.8/22

+ sign -1.197+/-0.000 χ^2/NDF : 6161534522.0/40

All: -1.193+/-0.000 χ^2/NDF : 11217054022.3/41

- sign -1.190+/-0.000 χ^2/NDF : 5049491265.9/41

yield_bpm0l10X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 58835.2/16

Left Out: 0.010+/-0.000 χ^2/NDF :132846.4/23

Right Out: 0.011+/-0.000 χ^2/NDF : 152861.8/18

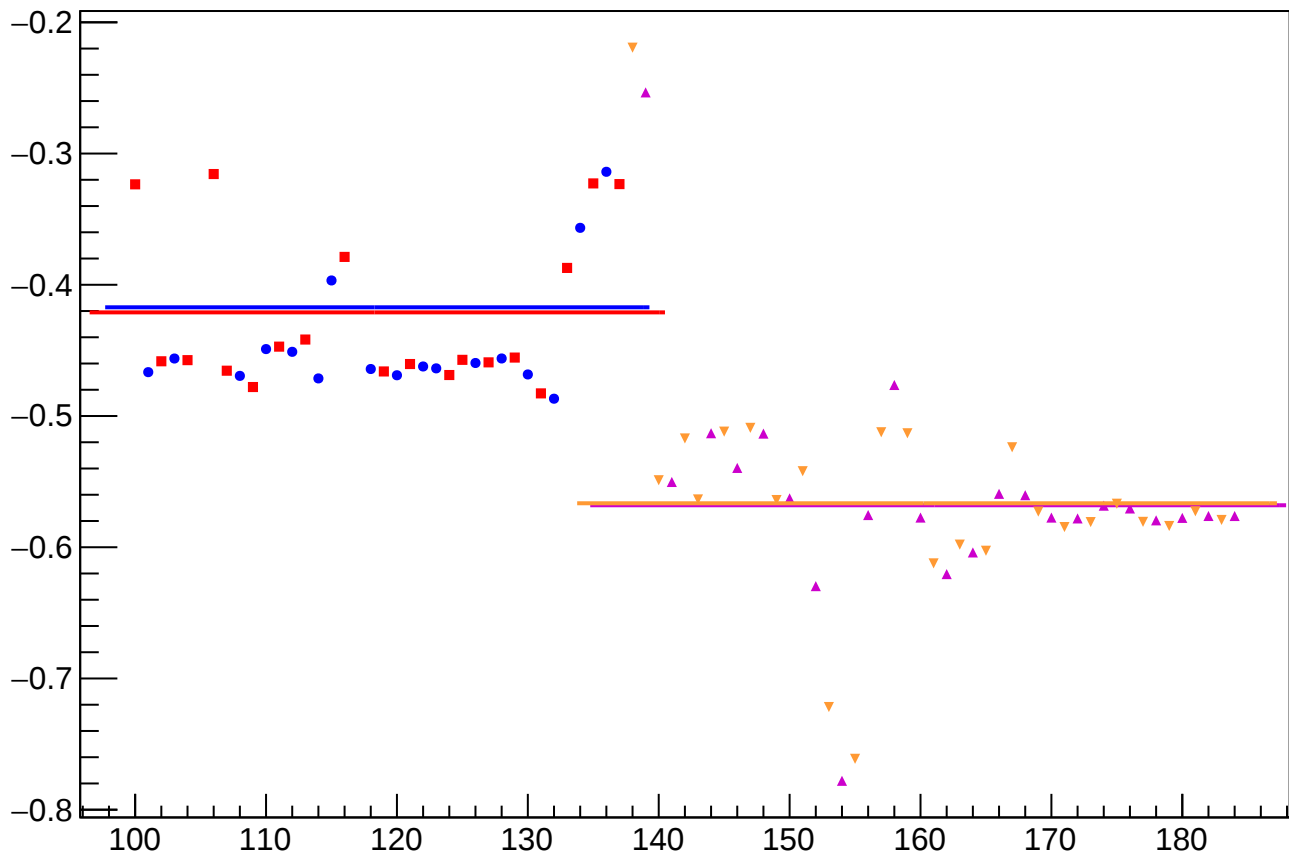
Left In: 0.010+/-0.000 χ^2/NDF :119823.1/22

+ sign 0.010+/-0.000 χ^2/NDF : 573319.8/40

All: 0.010+/-0.000 χ^2/NDF : 1100820.3/82

- sign 0.010+/-0.000 χ^2/NDF : 524455.0/41

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 : 13366072572.9/23

Right Out: -0.421+/-0.000 χ^2/NDF : 1654624022.3/18

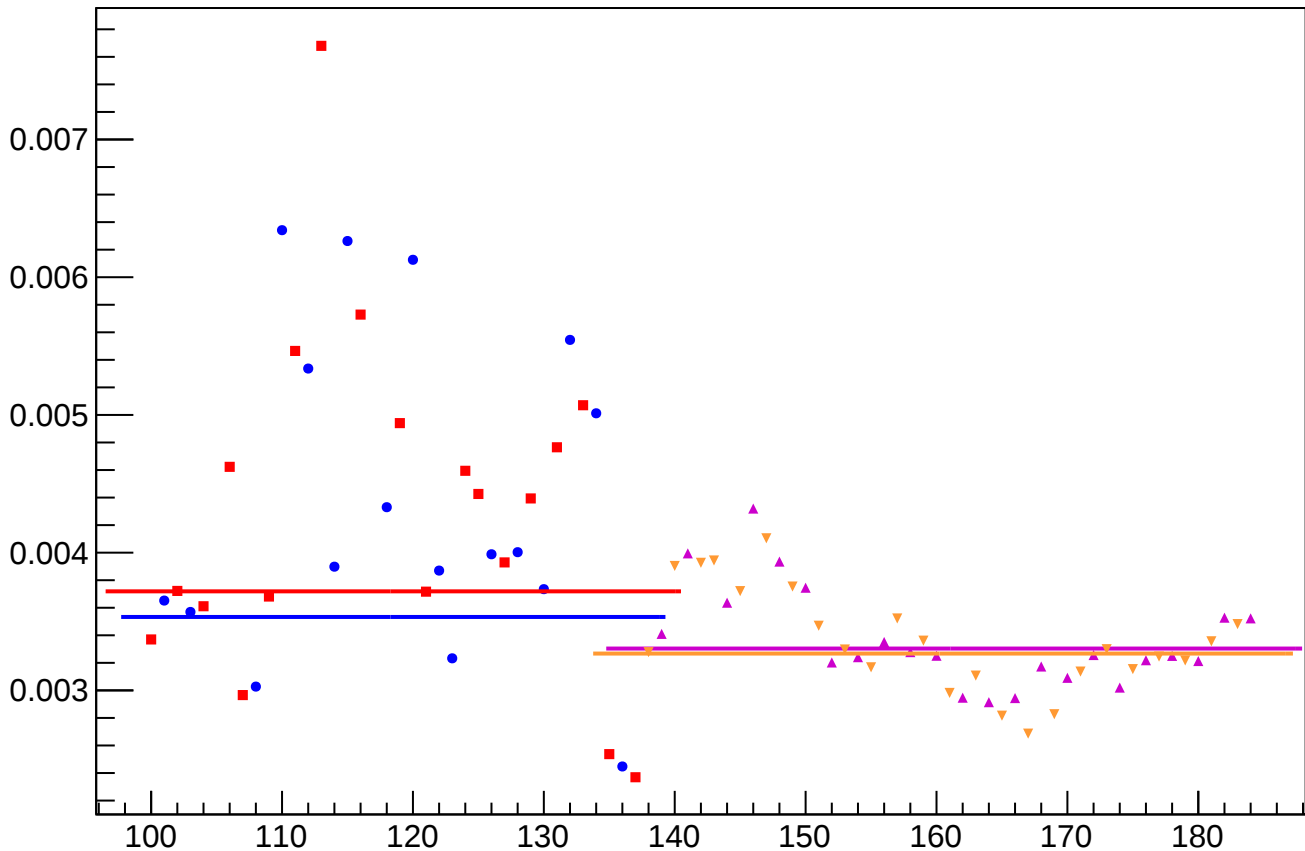
Left In: -0.568+/-0.000 χ^2/NDF : 10458990019.9/22

+ sign -0.534+/-0.000 χ^2/NDF : 22996015310.0/40

All: -0.535+/-0.000 χ^2/NDF : 42213217440.1/41

- sign -0.535+/-0.000 χ^2/NDF : 19216126903.2/41

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:380632.0/23

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 884778.0/18

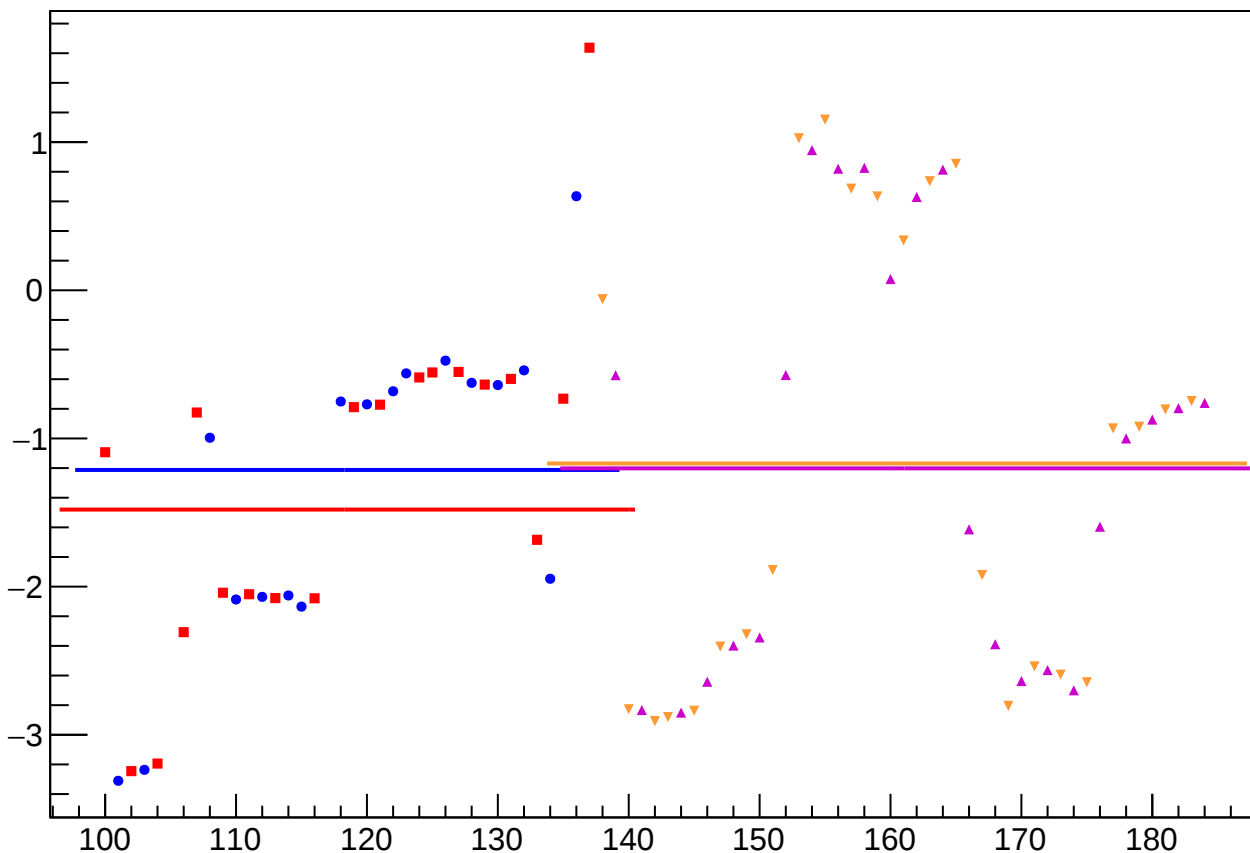
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:286064.1/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1260242.5/40

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2554511.3/82

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1284296.7/41

yield_bpm0r03X_mean vs Slug



Right In: -1.213+/-0.000 χ^2/NDF : 1991015908.7/16

Left Out: -1.169+/-0.000 χ^2/NDF : 6812225909.2/23

Right Out: -1.480+/-0.000 χ^2/NDF : 1576057924.8/18

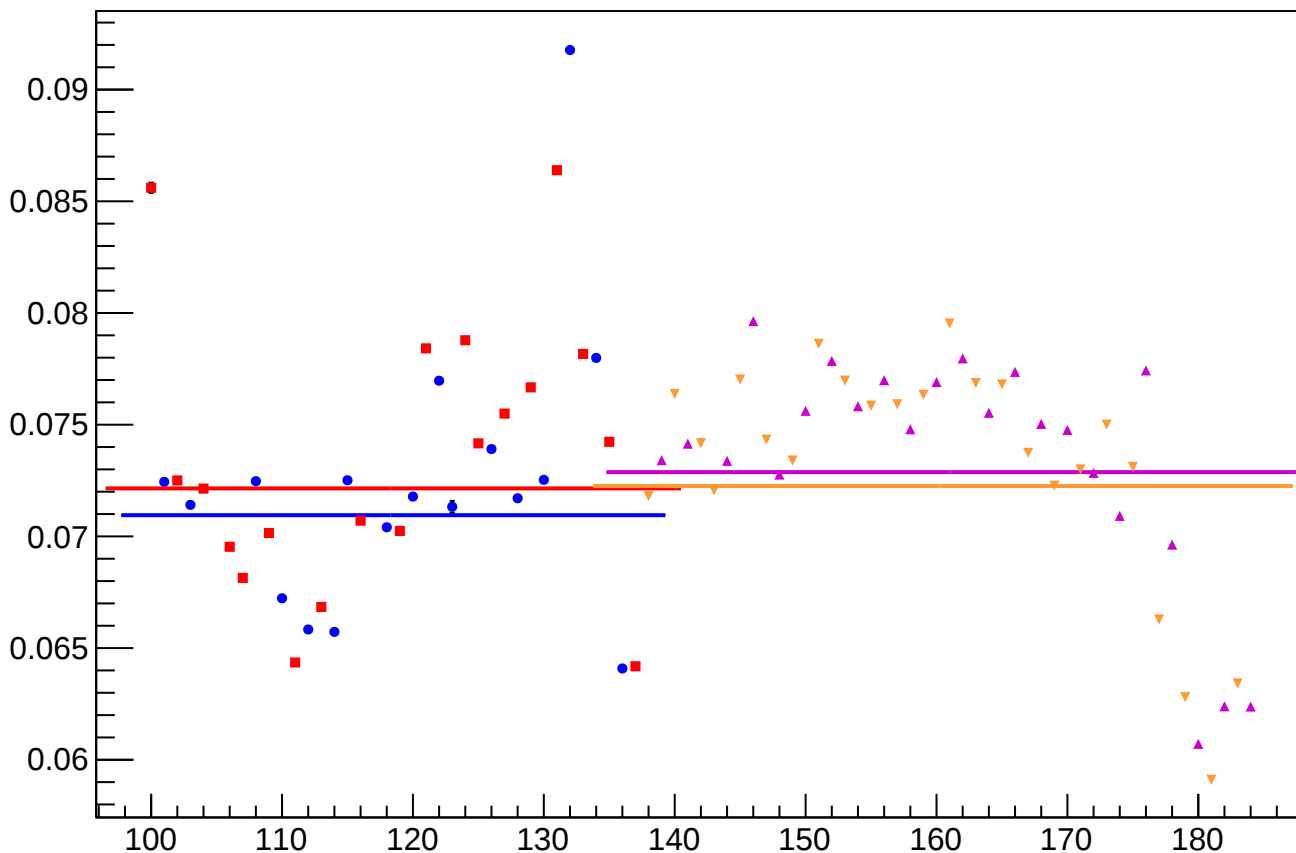
Left In: -1.202+/-0.000 χ^2/NDF : 5606782515.9/22

+ sign -1.181+/-0.000 χ^2/NDF : 8805050506.0/40

All: -1.231+/-0.000 χ^2/NDF : 16085047056.2/41

- sign -1.284+/-0.000 χ^2/NDF : 7255624019.0/41

yield_bpm0r03X_rms vs Slug



Right In: 0.071+/-0.000 χ^2/NDF : 77148.7/16

Left Out: 0.072+/-0.000 χ^2/NDF : 219303.8/23

Right Out: 0.072+/-0.000 χ^2/NDF : 69021.6/18

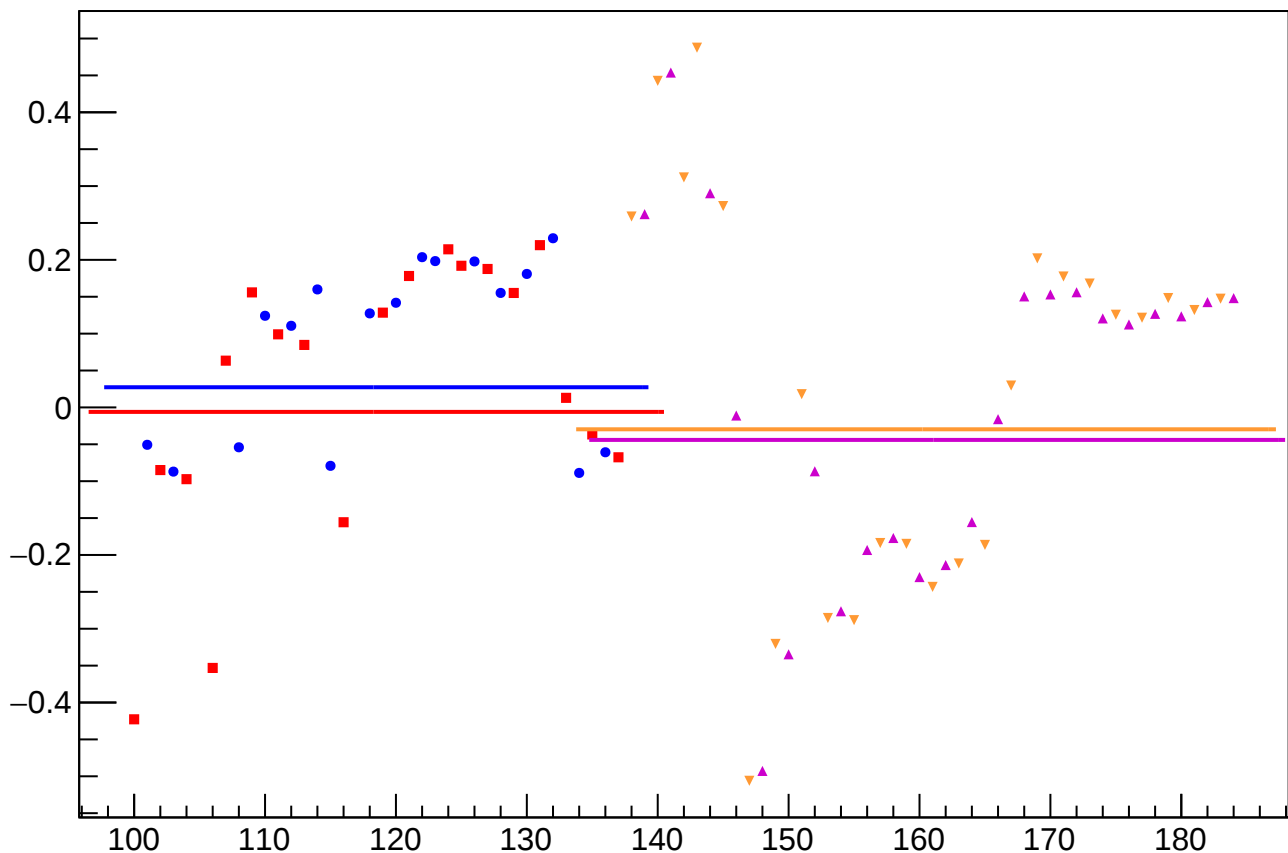
Left In: 0.073+/-0.000 χ^2/NDF : 183503.0/22

+ sign 0.072+/-0.000 χ^2/NDF : 299653.2/40

All: 0.072+/-0.000 χ^2/NDF : 555905.3/82

- sign 0.073+/-0.000 χ^2/NDF : 253525.3/41

yield_bpm0r03Y_mean vs Slug



Right In: 0.027+/-0.000 χ^2/NDF : 562065478.3/16

Left Out: -0.030+/-0.000 χ^2/NDF : 20111012576.0/23

+ sign -0.024+/-0.000 χ^2/NDF : 20800317117.2/40

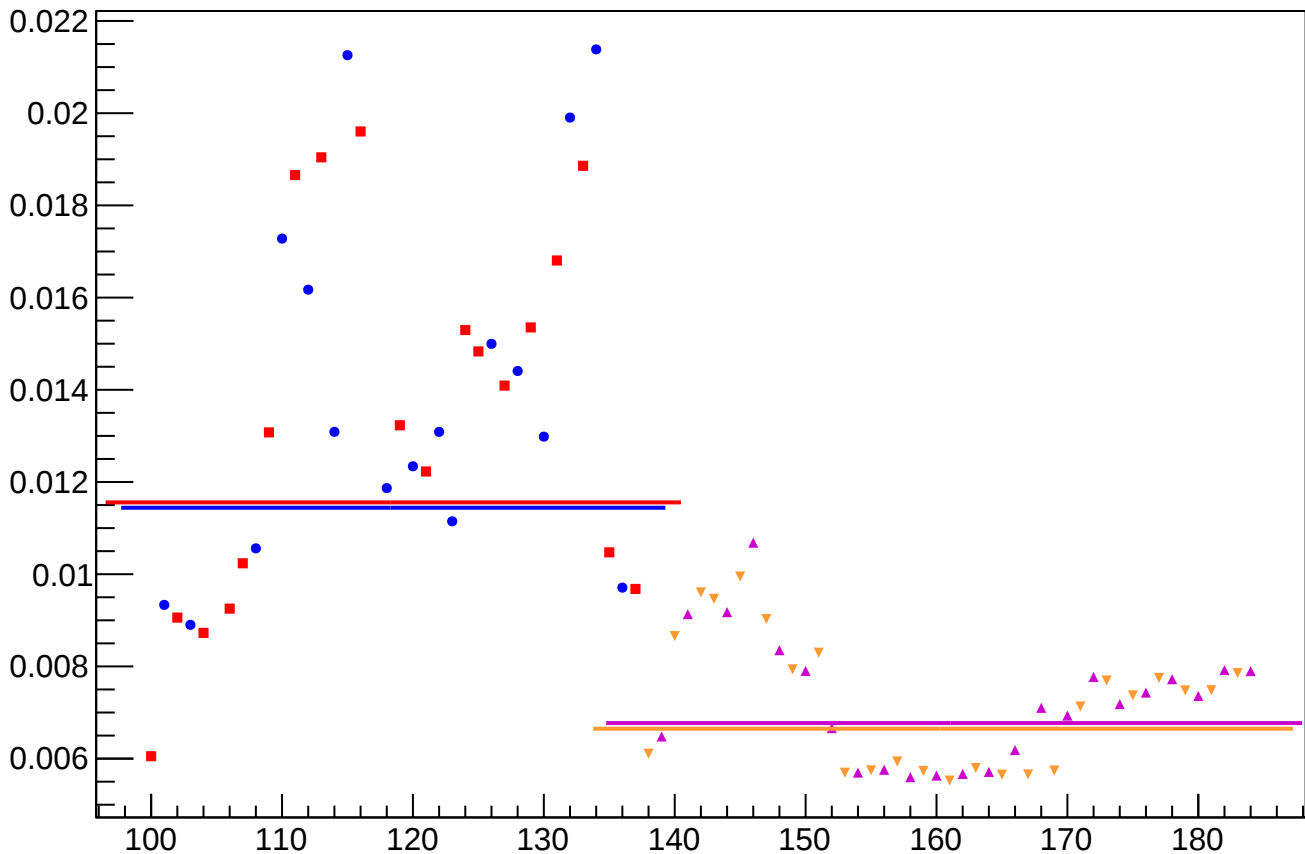
Right Out: -0.006+/-0.000 χ^2/NDF : 1205303430.4/18

All: -0.031+/-0.000 χ^2/NDF : 37832713096.5/41

Left In: -0.044+/-0.000 χ^2/NDF : 15718556282.1/22

- sign -0.040+/-0.000 χ^2/NDF : 16980523713.3/41

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 : 1111442.2/23

Right Out: 0.012+/-0.000 χ^2/NDF : 979298.5/18

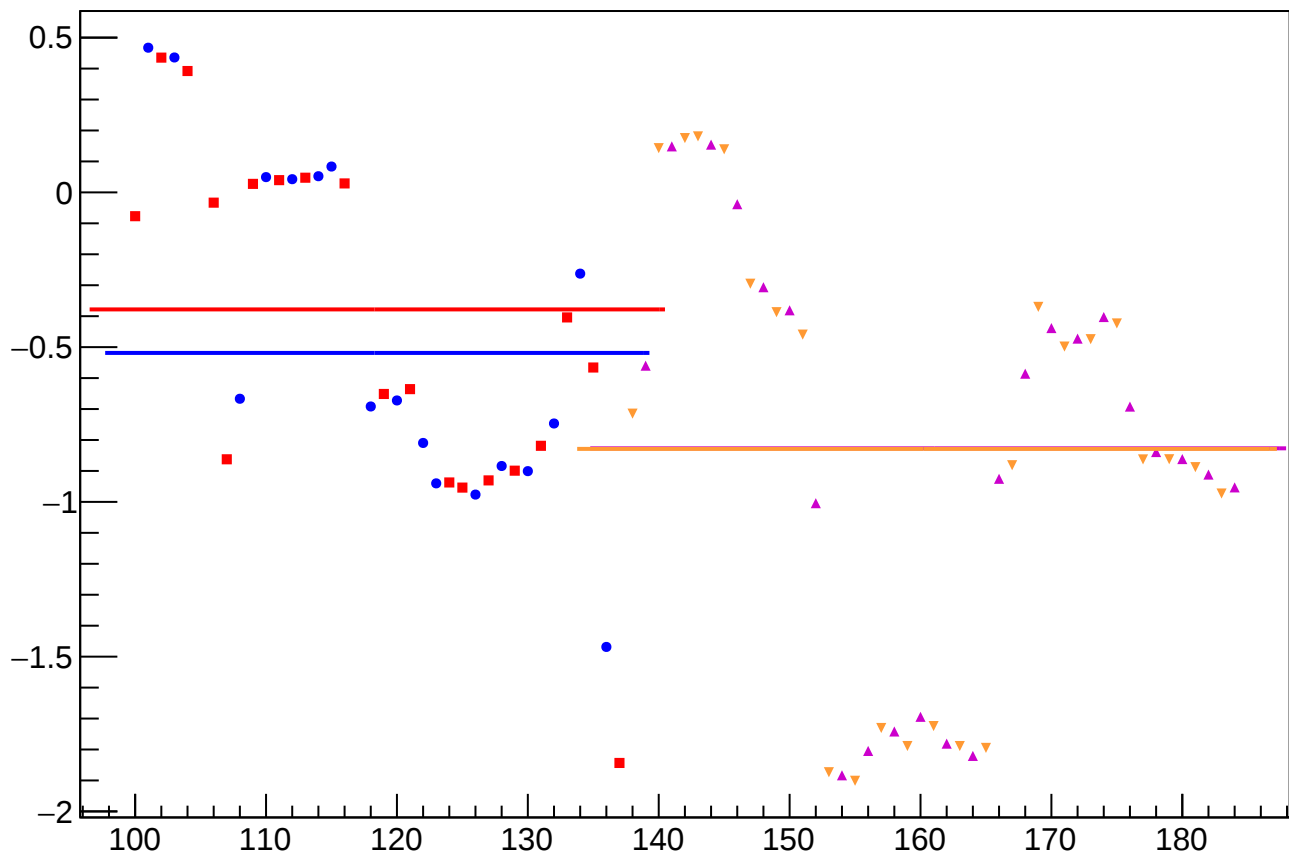
Left In: 0.007+/-0.000 χ^2/NDF : 934050.3/22

+ sign 0.007+/-0.000 χ^2/NDF : 3585239.9/40

All: 0.007+/-0.000 χ^2/NDF : 7309436.5/82

- sign 0.007+/-0.000 χ^2/NDF : 3713309.9/41

yield_bpm0r05X_mean vs Slug



Right In: -0.519+/-0.000 χ^2/NDF : 338707442.0/16

Left Out: -0.829+/-0.000 χ^2/NDF : 1085843983.9/23

Right Out: -0.378+/-0.000 χ^2/NDF : 267921889.8/18

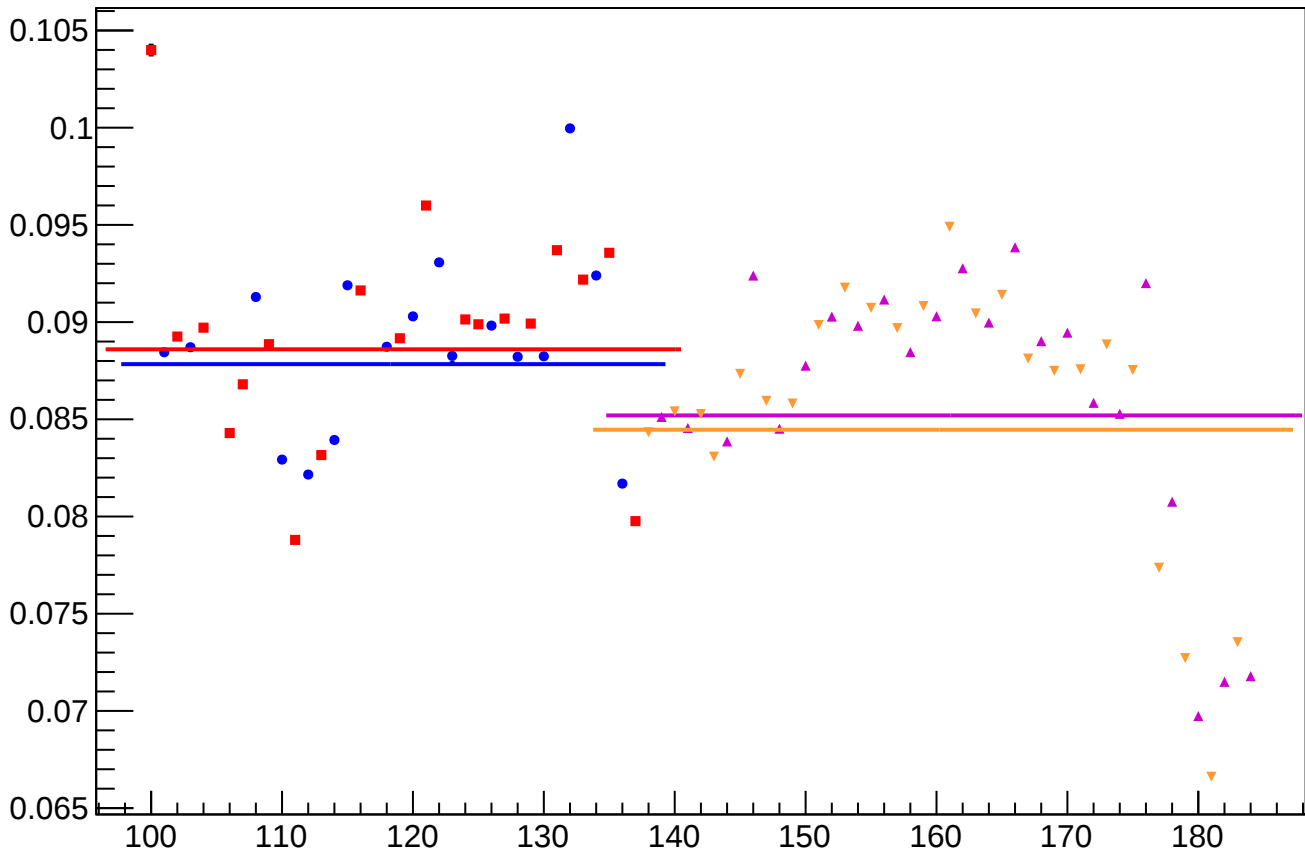
Left In: -0.827+/-0.000 χ^2/NDF : 921651117.3/22

+ sign -0.749+/-0.000 χ^2/NDF : 1486249141.0/40

All: -0.726+/-0.000 χ^2/NDF : 2810643837.1/8

- sign -0.703+/-0.000 χ^2/NDF : 1320853576.6/41

yield_bpm0r05X_rms vs Slug



Right In: 0.088 $\pm$ 0.000 χ^2 /NDF: 34872.1/16

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF:284264.4/23

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 38932.4/18

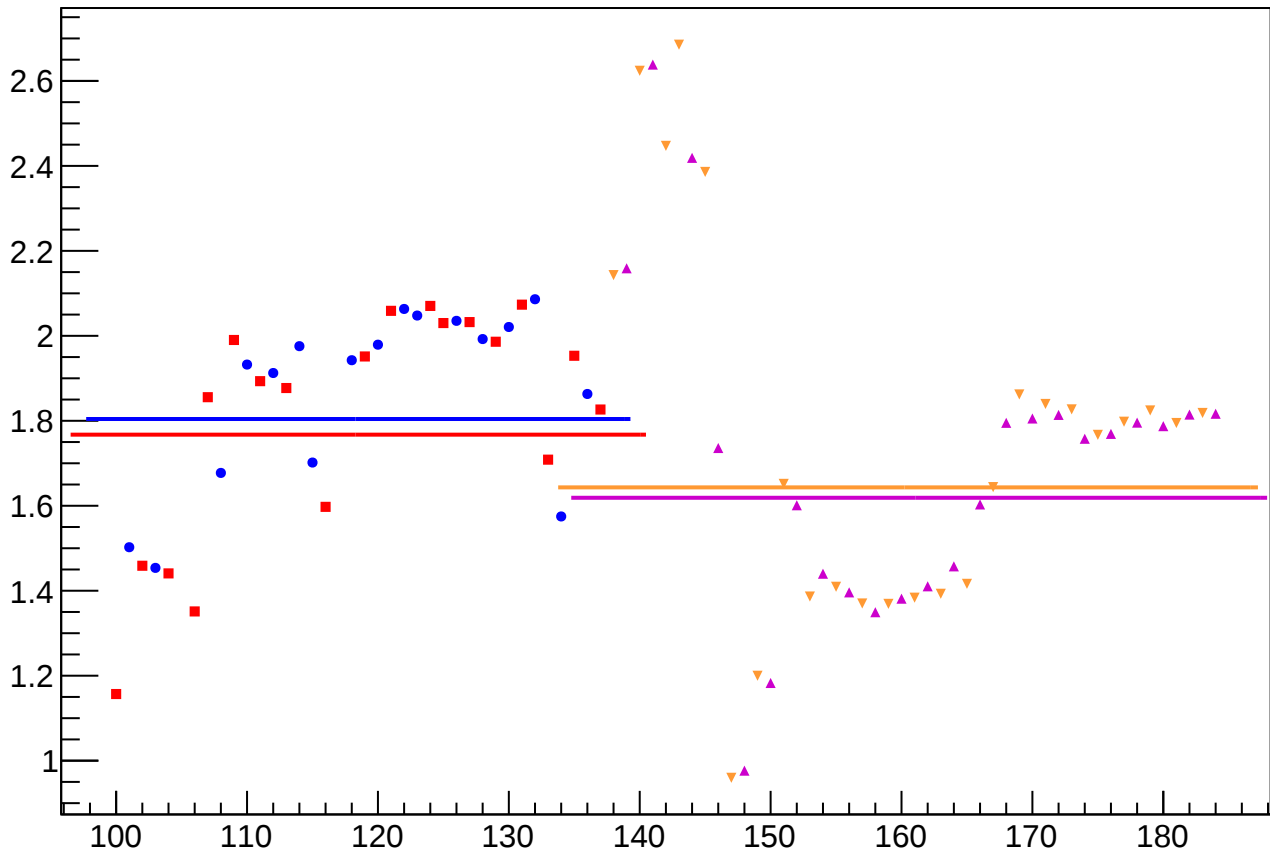
Left In: 0.085 $\pm$ 0.000 χ^2 /NDF:238313.9/22

+ sign 0.085 $\pm$ 0.000 χ^2 /NDF: 333744.1/40

All: 0.086 $\pm$ 0.000 χ^2 /NDF: 628230.9/82

- sign 0.086 $\pm$ 0.000 χ^2 /NDF: 292316.9/41

yield_bpm0r05Y_mean vs Slug



Right In: 1.804 $\pm$ 0.000 χ^2 /NDF: 1156038618.5/16

Left Out: 1.643 $\pm$ 0.000 χ^2 /NDF: 26155585535.1/23

Right Out: 1.767 $\pm$ 0.000 χ^2 /NDF: 1715728859.6/18

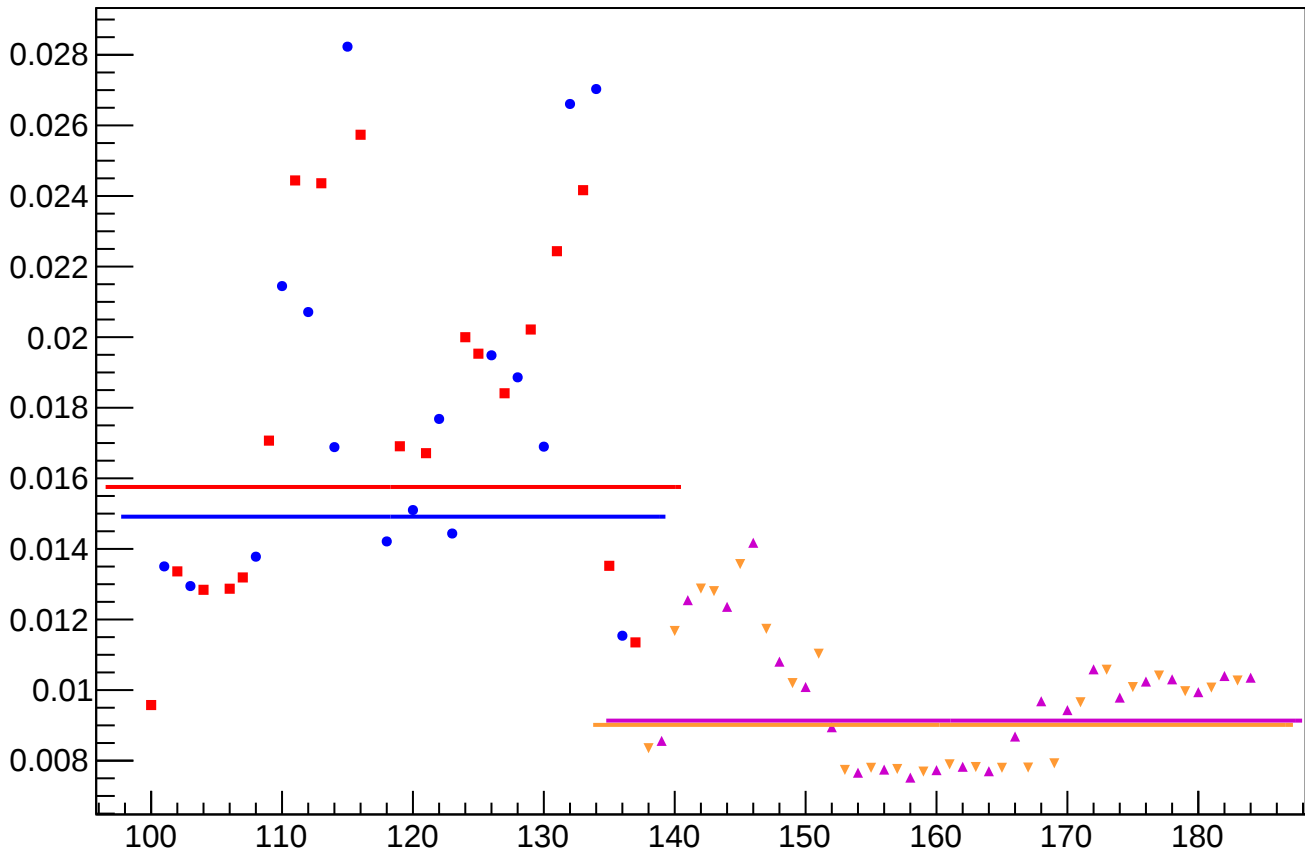
Left In: 1.619 $\pm$ 0.000 χ^2 /NDF: 20618198188.1/22

+ sign 1.661 $\pm$ 0.000 χ^2 /NDF: 27904996787.0/40

All: 1.649 $\pm$ 0.000 χ^2 /NDF: 50787823066.7/8

- sign 1.636 $\pm$ 0.000 χ^2 /NDF: 22809173981.9/41

yield_bpm0r05Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 638037.3/16

Left Out: 0.009+/-0.000 χ^2/NDF :1011738.9/23

Right Out: 0.016+/-0.000 χ^2/NDF : 770357.5/18

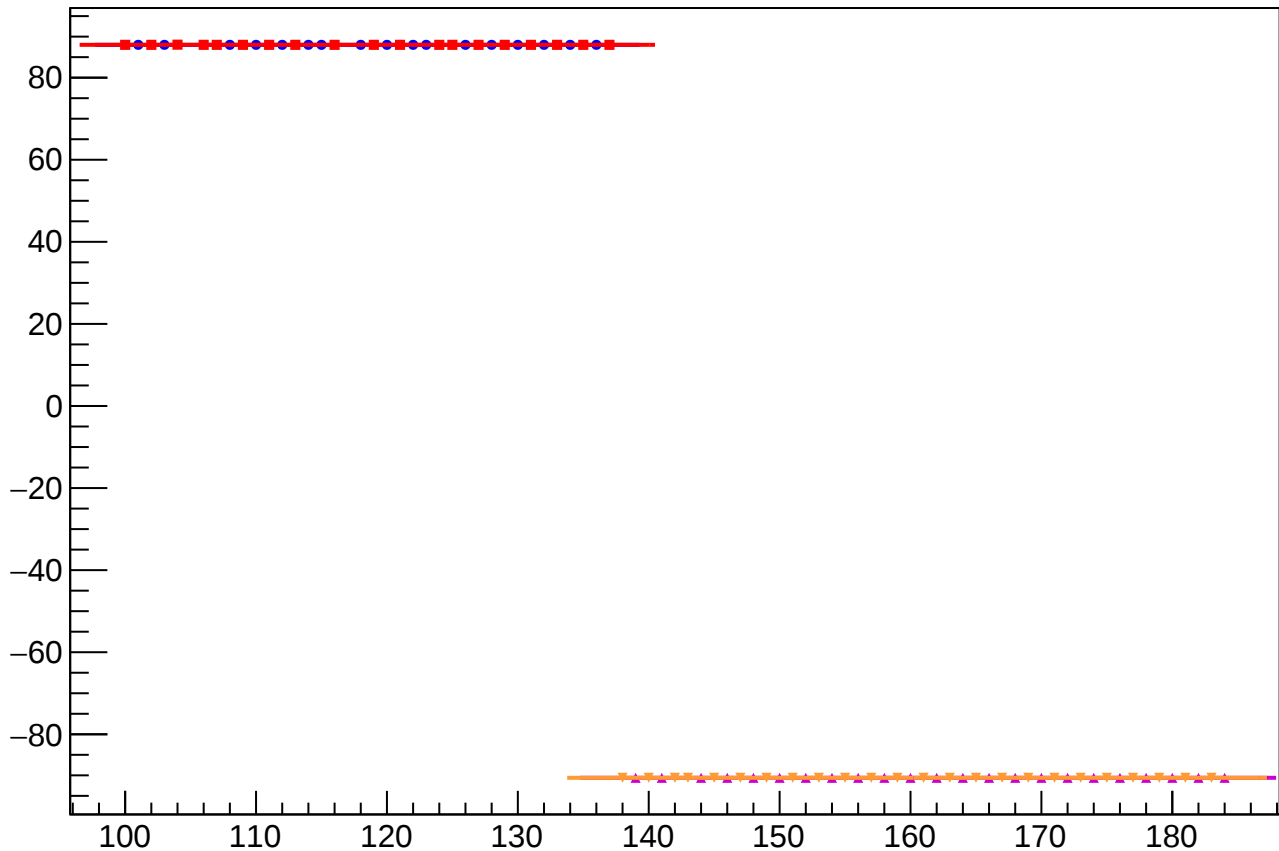
Left In: 0.009+/-0.000 χ^2/NDF :878356.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 3244400.1/40

All: 0.010+/-0.000 χ^2/NDF : 6790201.0/82

- sign 0.010+/-0.000 χ^2/NDF : 3536185.0/41

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: 8717910.1/23

Right Out: 88.004 $\pm$ 0.000 χ^2 /NDF: 77529520773816998986447323136.0/18

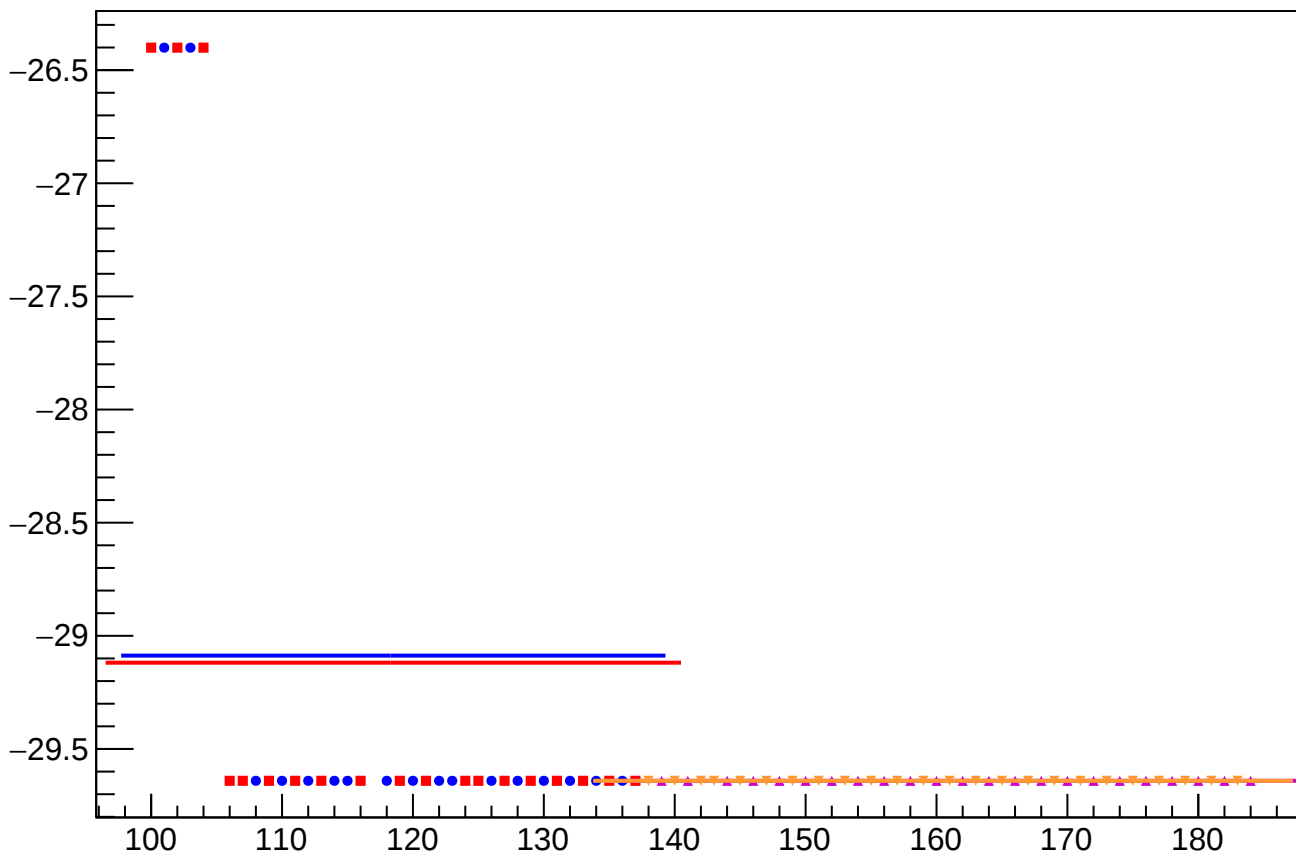
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 7134230.8/22

+ sign -42.335 $\pm$ 0.000 χ^2 /NDF: 160850297269299

All: -40.923 $\pm$ 0.000 χ^2 /NDF: 324900598743

- sign -39.489 $\pm$ 0.000 χ^2 /NDF: 1639475899691790

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 : 249431.5/23

Right Out: -29.119+/-0.000 χ^2/NDF : 1021533120000008474668992382894080.0/18

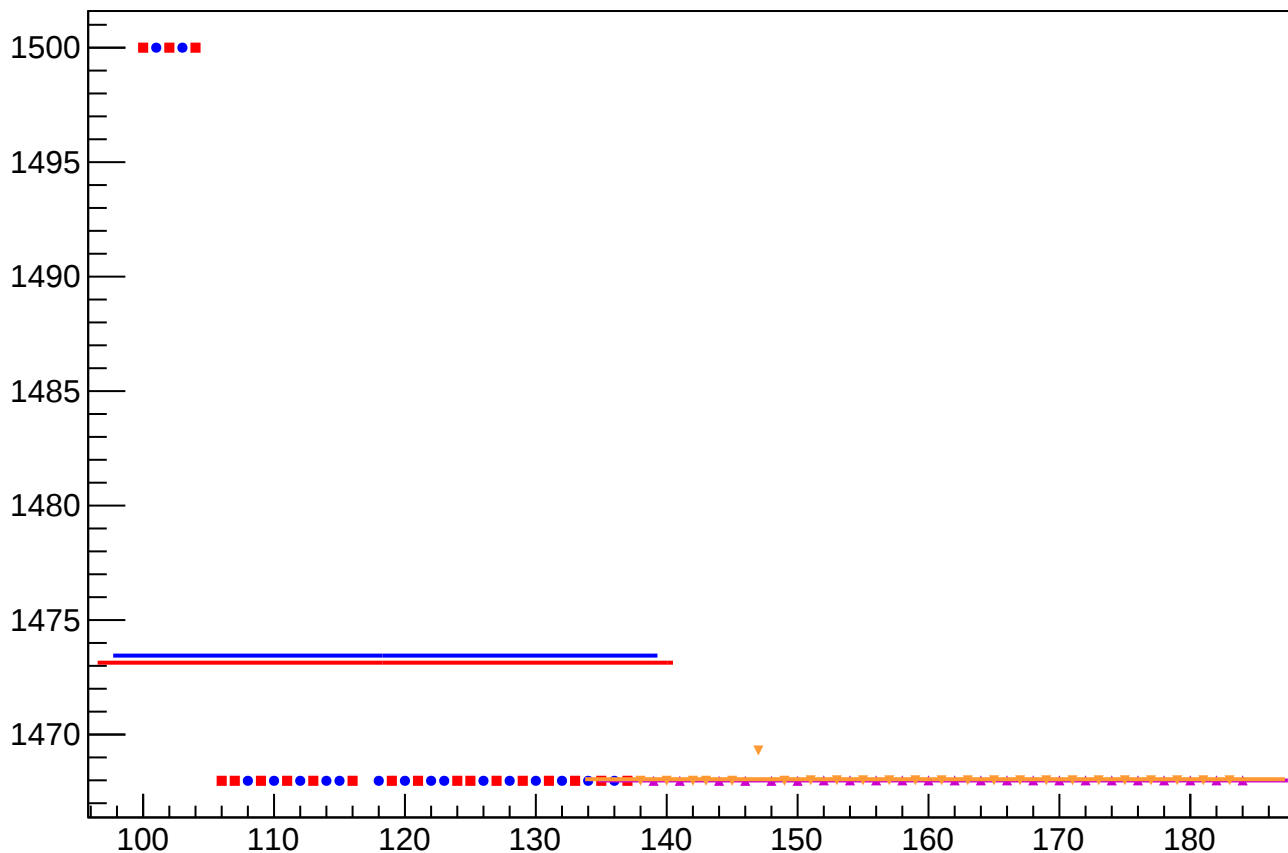
Left In: -29.641+/-0.000 χ^2/NDF : 382603.8/22

+ sign -29.491+/-0.000 χ^2/NDF : 118155270833005

All: -29.491+/-0.000 χ^2/NDF : 234313136558

- sign -29.491+/-0.000 χ^2/NDF : 1161578632750372

epics_psub_pl_poss_mean vs Slug



Right In: 1473.447+/-0.000 χ^2/NDF : 100331979974804513534478923851628544.0/16

Left Out: 1468.049+/-0.000 χ^2/NDF : 127828878325121422324271429976064.0/23

Right Out: 1473.138+/-0.000 χ^2/NDF : 99779938590622337721401930749575168.0/18

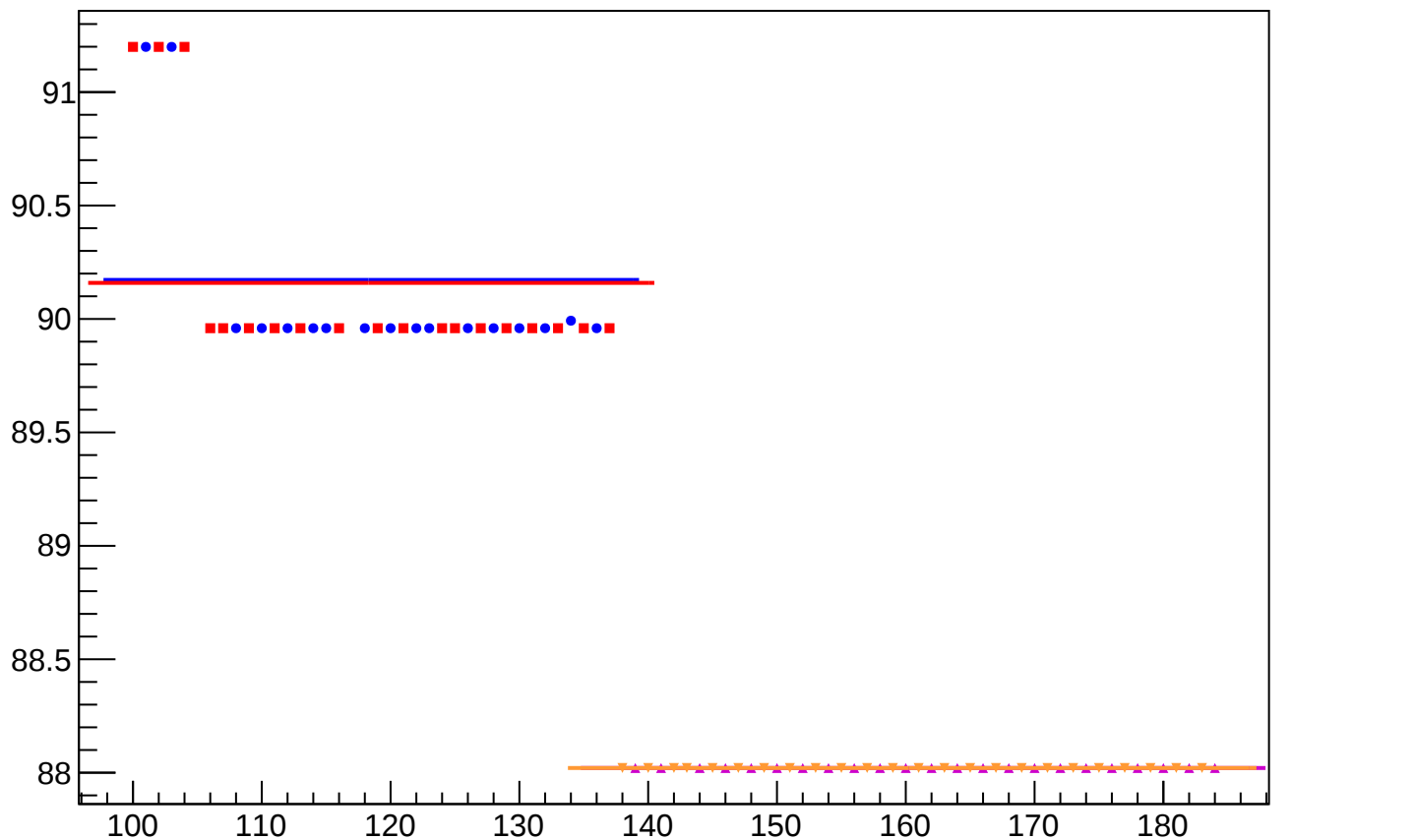
Left In: 1467.994+/-0.000 χ^2/NDF : 144497772795444989723550941184.0/22

All: 1469.487+/-0.000 χ^2/NDF : 22854092513

+ sign 1469.508+/-0.000 χ^2/NDF : 11515579840713

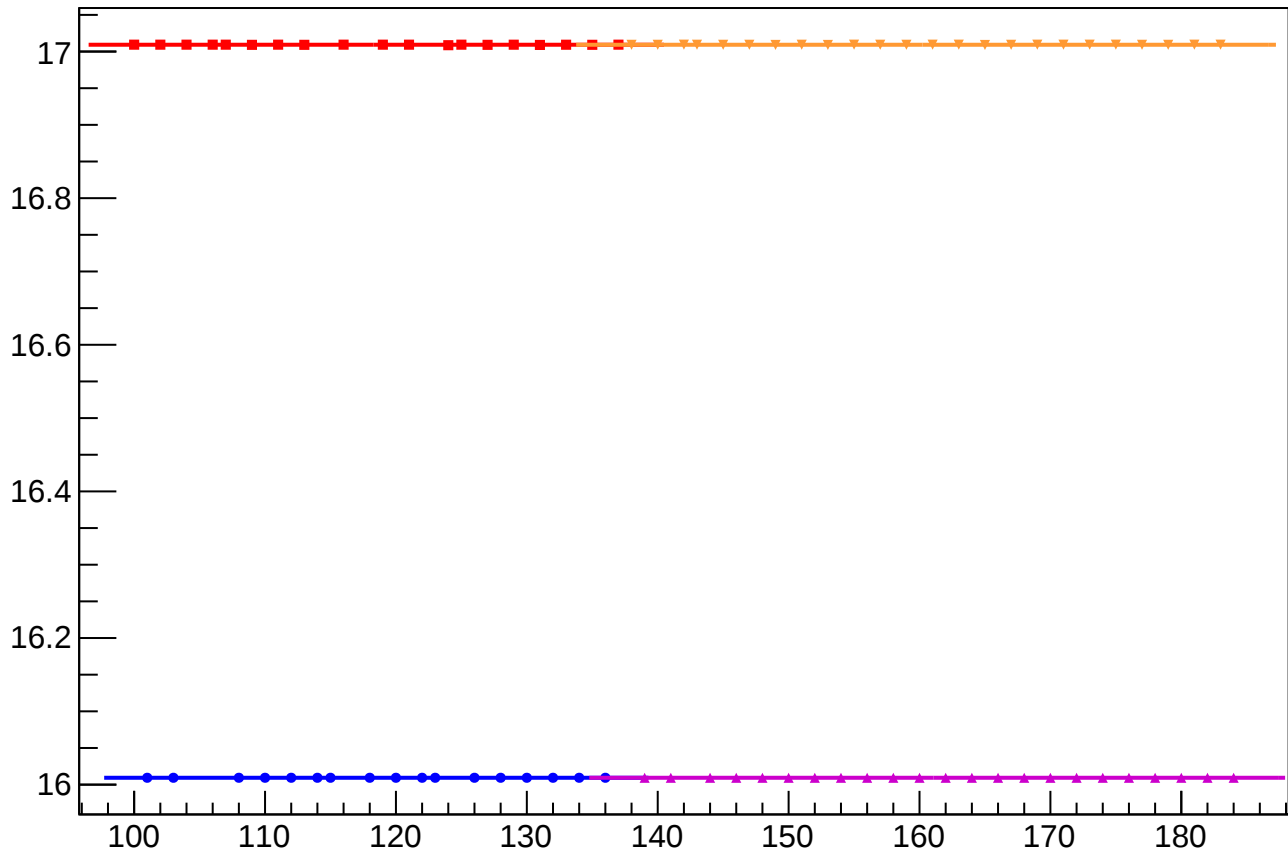
- sign 1469.466+/-0.000 χ^2/NDF : 11338289261633

epics_Phi_FGs_mean vs Slug



Right In: 90.172+/-0.000 χ^2/NDF : 150181697791974119042789817712640.0/16
 Left Out: 88.021+/-0.000 χ^2/NDF : 5820758.5/23
 Right Out: 90.159+/-0.000 χ^2/NDF : 149625564444474590335066871693312.0/18
 Left In: 88.021+/-0.000 χ^2/NDF : 6257169.0/22
 + sign 88.602+/-0.000 χ^2/NDF : 2484073862192934
 All: 88.617+/-0.000 χ^2/NDF : 4985027803145
 - sign 88.633+/-0.000 χ^2/NDF : 2499769807073101

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2/NDF : 38900.3/16

Left Out: 17.009 $\pm$ 0.000 χ^2/NDF : 25767448372447706957742080.0/23

Right Out: 17.009 $\pm$ 0.000 χ^2/NDF : 12507759350541157226512384.0/18

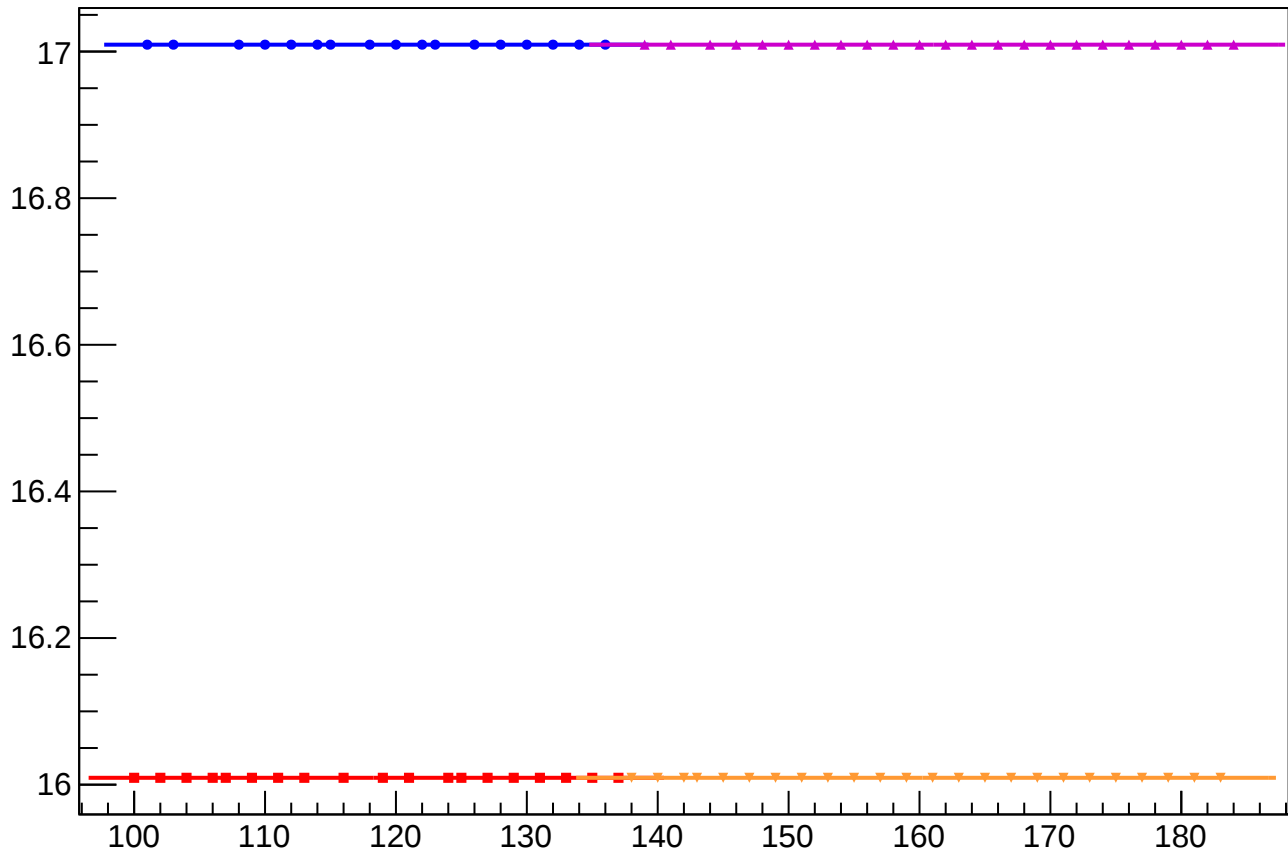
Left In: 16.009 $\pm$ 0.000 χ^2/NDF : 127920993667935400624128.0/22

+ sign 16.734 $\pm$ 0.000 χ^2/NDF : 4771856541319722

All: 16.515 $\pm$ 0.000 χ^2/NDF : 117733073638

- sign 16.291 $\pm$ 0.000 χ^2/NDF : 4691986403340264

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 : 100216.9/23

Right Out: 16.009+/-0.000 χ^2/NDF : 39077.0/18

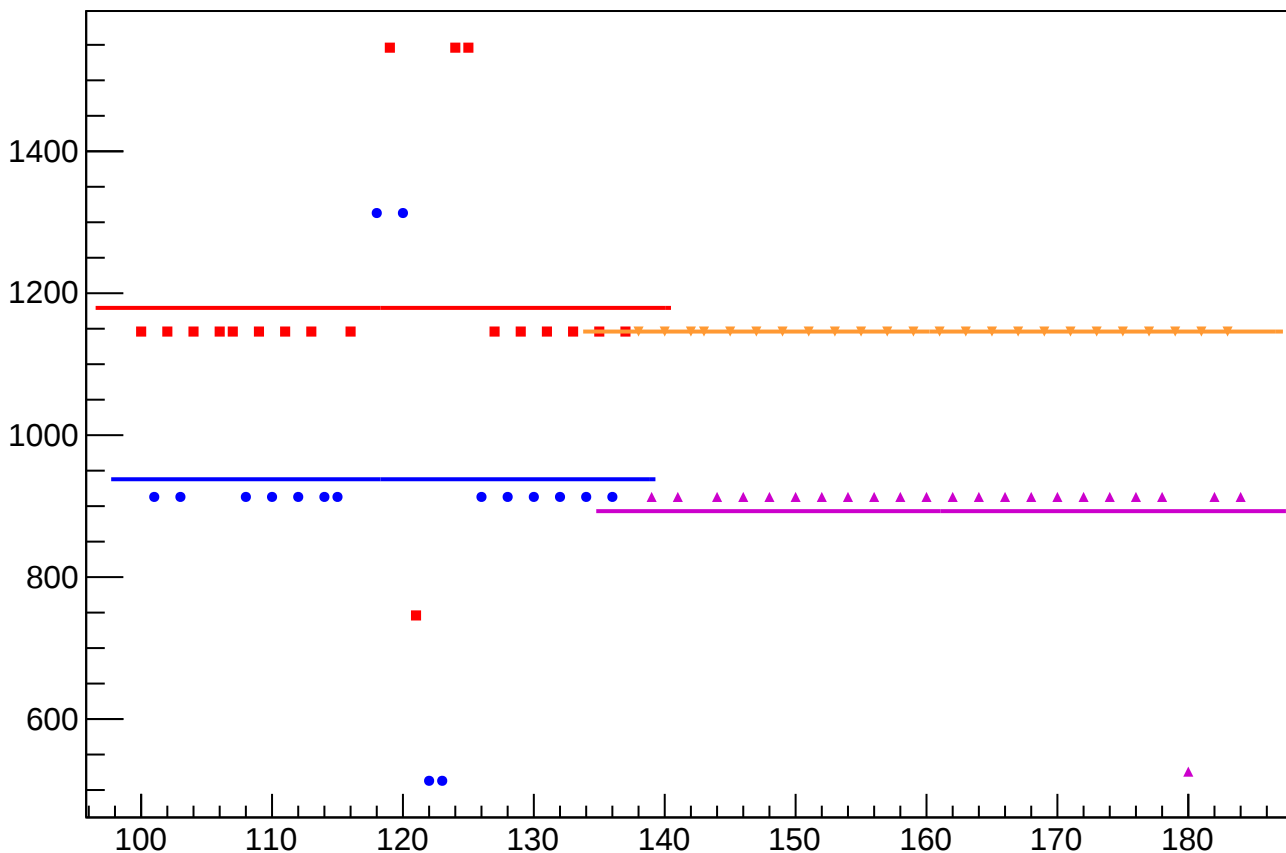
Left In: 17.009+/-0.000 χ^2/NDF : 114986101427233622065152.0/22

+ sign 16.273+/-0.000 χ^2/NDF : 4853570571771234

All: 16.495+/-0.000 χ^2/NDF : 1240188123230

- sign 16.720+/-0.000 χ^2/NDF : 5066796039112003

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 : 6516238178085847371173855232.0/23

Right Out: 1179.343+/-0.000 χ^2/NDF : 21280712999839458982137051519993774080.0/18

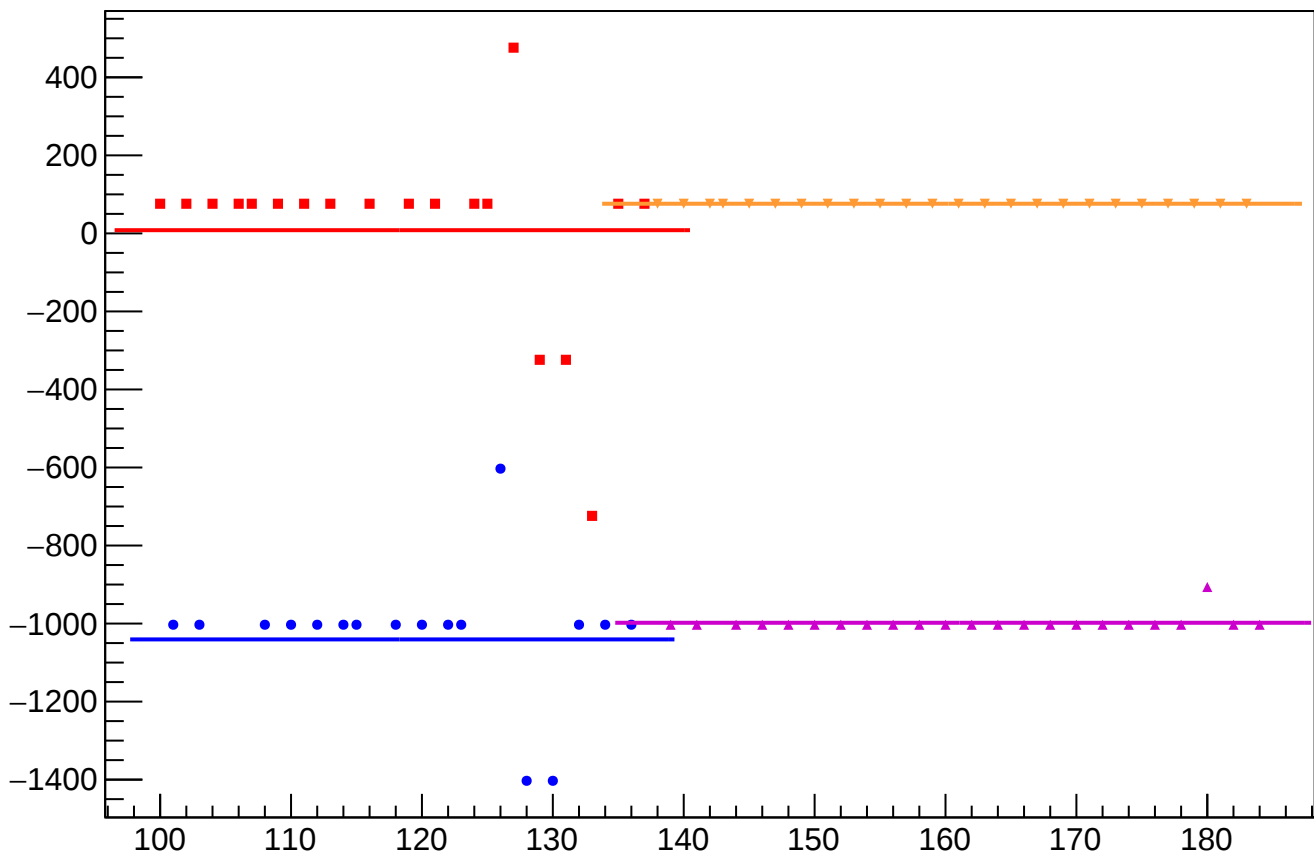
Left In: 892.950+/-0.000 χ^2/NDF : 13213852485930520518972295012897783808.0/22

All: 1032.802+/-0.000 χ^2/NDF : 13607663963

+ sign 1089.768+/-0.000 χ^2/NDF : 42695774699244

- sign 974.907+/-0.000 χ^2/NDF : 766499335037281

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 : 11829856986990772455592689664.0/23
 Right Out: 8.231 ± 0.000 χ^2/NDF : 43732051061335101274341918679788158976.0/18
 Left In: -997.979 ± 0.000 χ^2/NDF : 825858066518991041870194619245920256.0/22
 All: -465.932 ± 0.000 χ^2/NDF : 15133168371
 + sign -225.745 ± 0.000 χ^2/NDF : 65096711714083
 - sign -710.033 ± 0.000 χ^2/NDF : 56491974915736