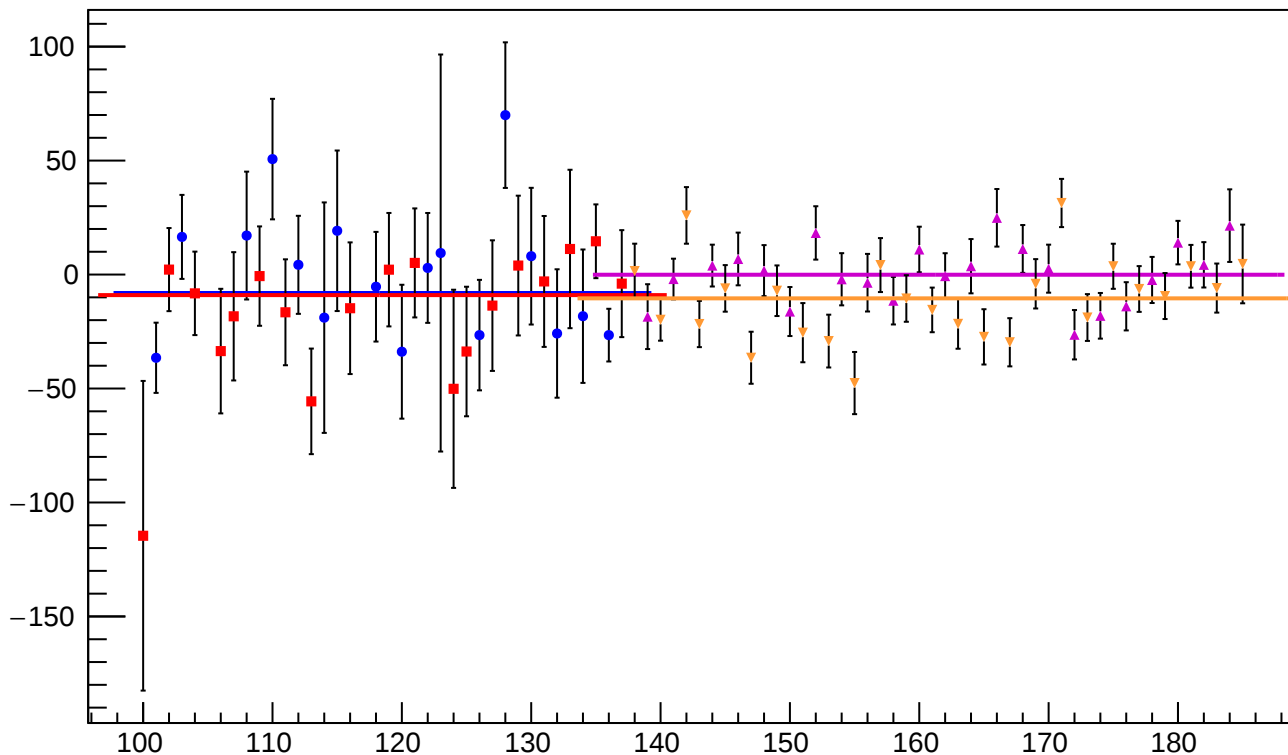


diff_bpm4aX_mean vs Slug



Right In: -8.097 ± 5.619

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

Left Out: -10.441 ± 2.178

$\chi^2/\text{NDF}: 58.9/24$

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 -10.135 ± 2.031

$\chi^2/\text{NDF}: 81.9/41$

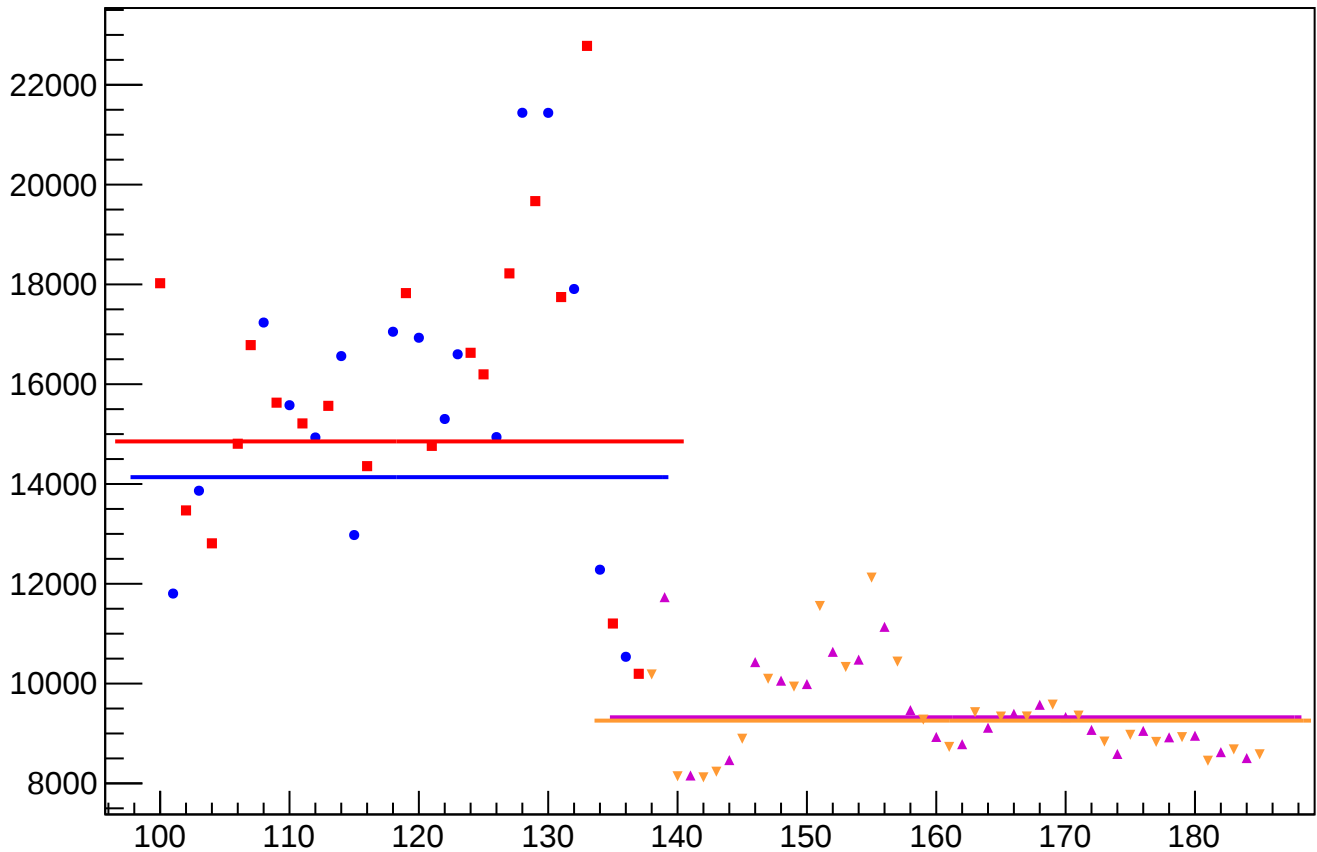
All: -5.845 ± 1.457

$\chi^2/\text{NDF}: 136.1/83$

- 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: 9257.812+/-1.540 χ^2/NDF : 330282.8/24

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

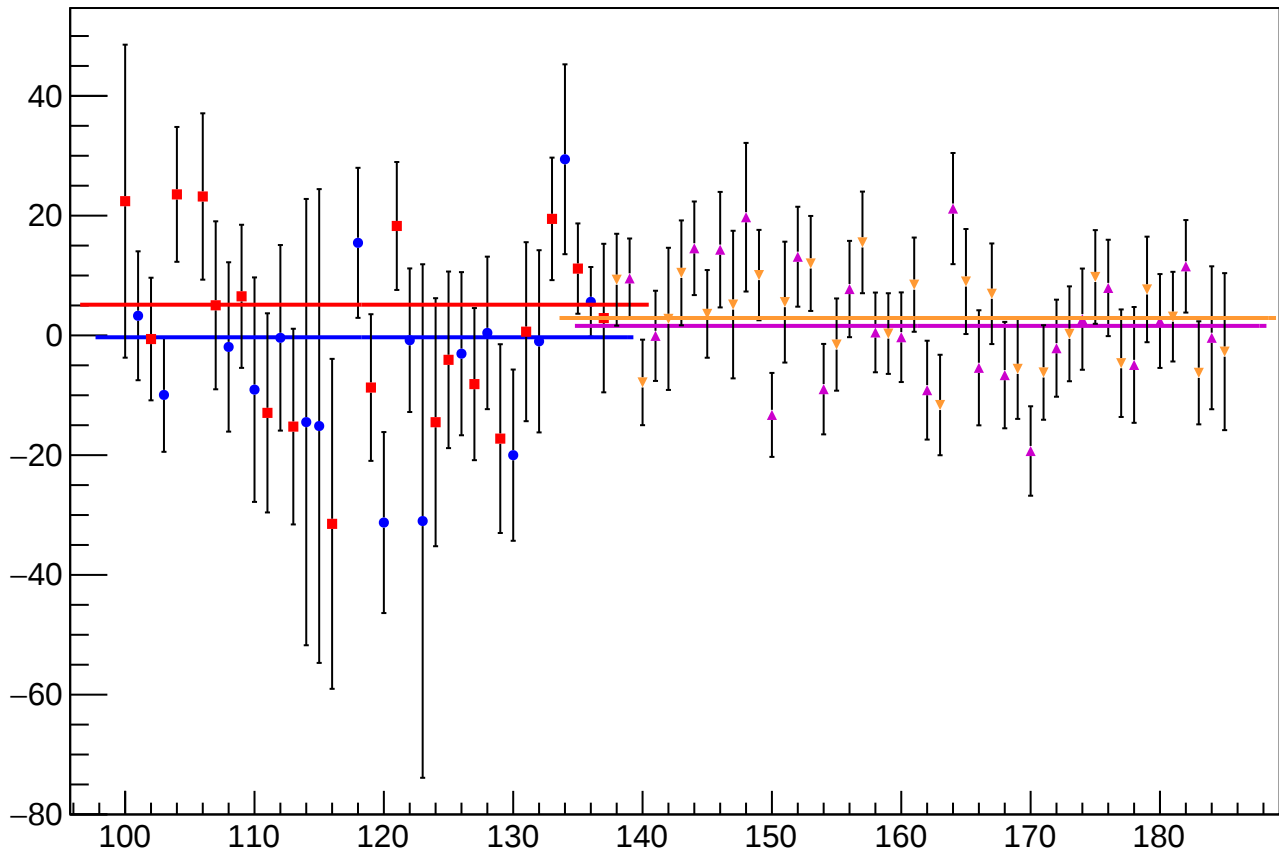
Left In: 9323.983+/-1.591 χ^2/NDF : 275717.0/22

+ sign 9895.184+/-1.436 χ^2/NDF : 2244146.6/41

All: 9981.241+/-1.031 χ^2/NDF : 4635633.7/83

- 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: 2.905 ± 1.665 χ^2/NDF : 18.5/24

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

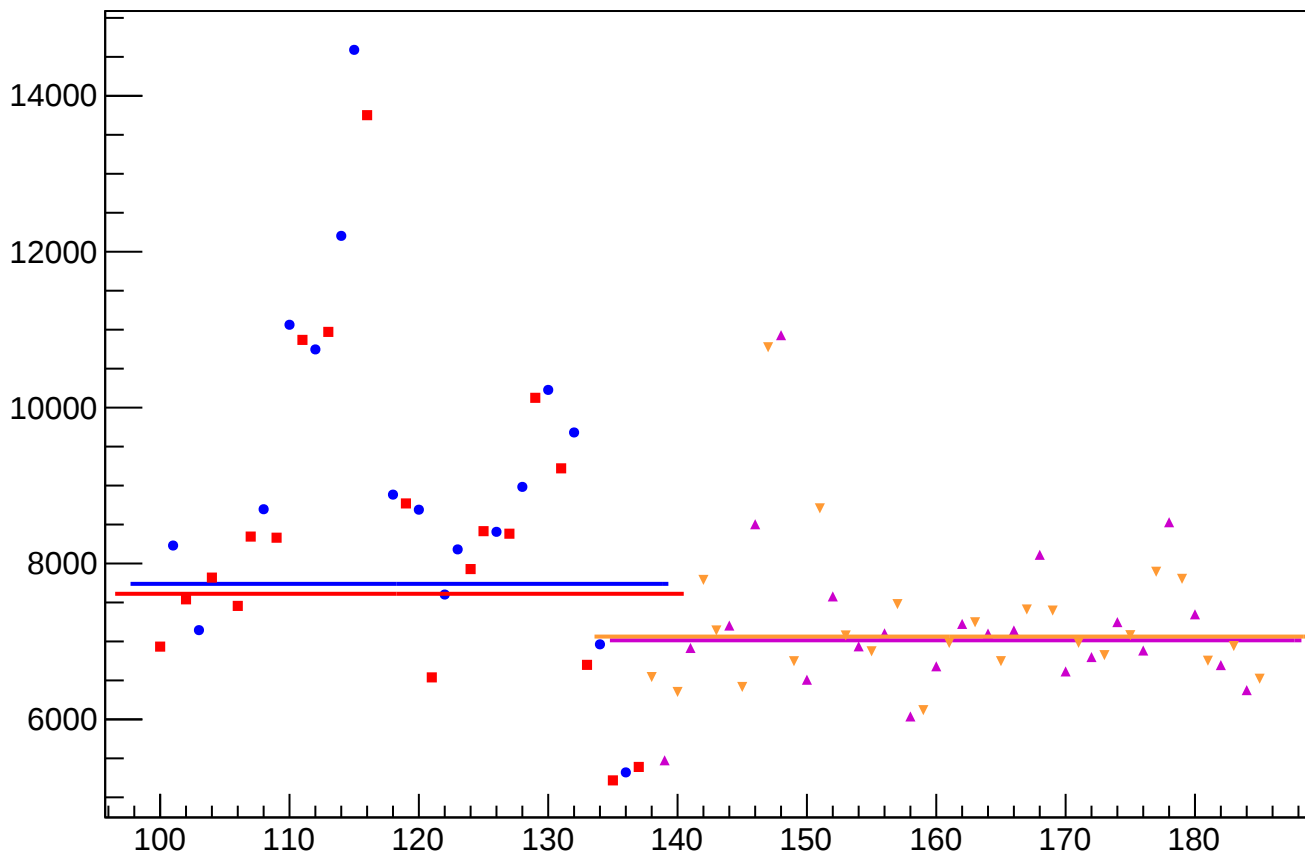
Left In: 1.588 ± 1.703 χ^2/NDF : 35.5/22

+ sign 2.176 ± 1.465 χ^2/NDF : 33.8/41

All: 2.325 ± 1.039 χ^2/NDF : 89.9/83

- 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: 7062.609+/-1.178 χ^2/NDF : 386479.1/24

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

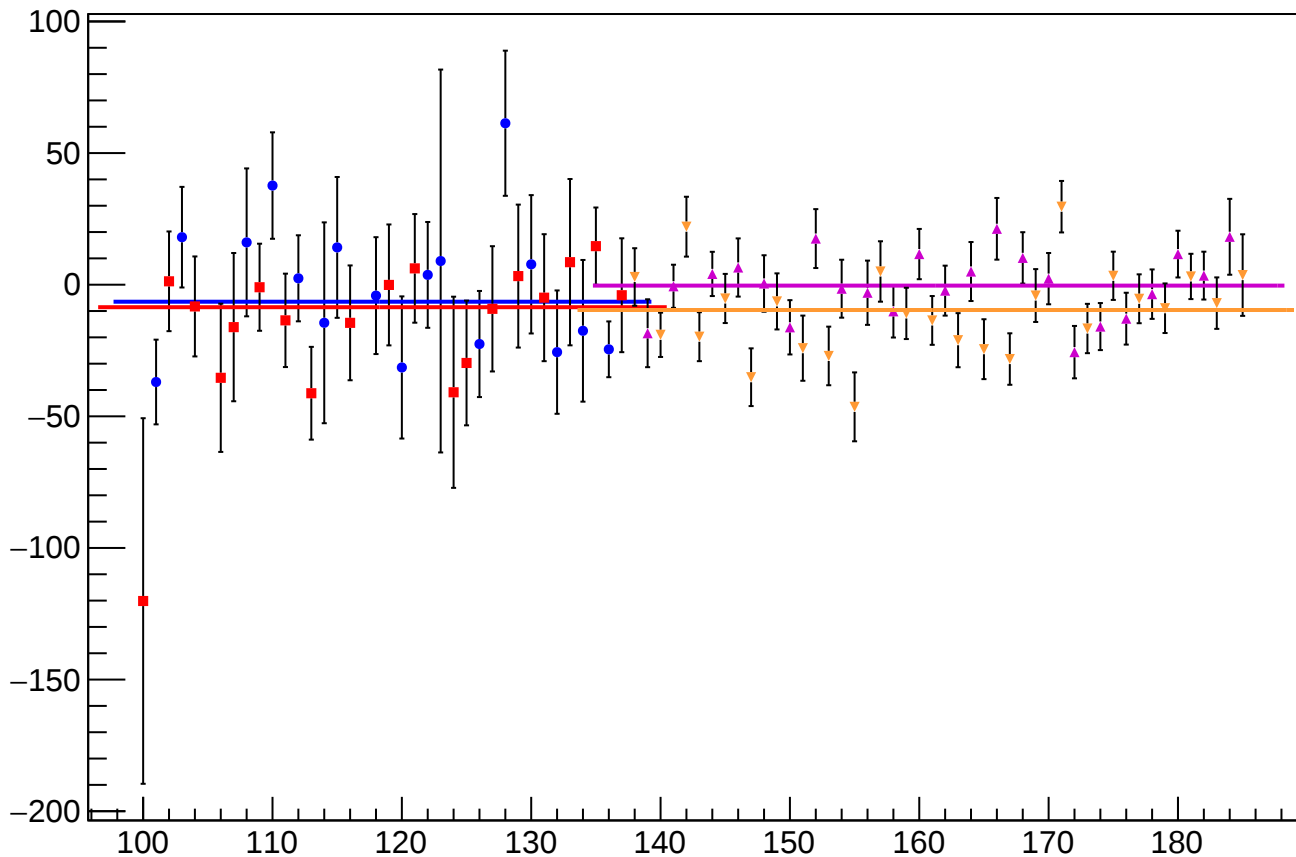
Left In: 7014.572+/-1.204 χ^2/NDF : 525313.7/22

+ sign 7215.846+/-1.036 χ^2/NDF : 1202188.4/41

All: 7190.232+/-0.735 χ^2/NDF : 2473650.4/83

- 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: -9.610 ± 2.029 χ^2/NDF : 59.6/24

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

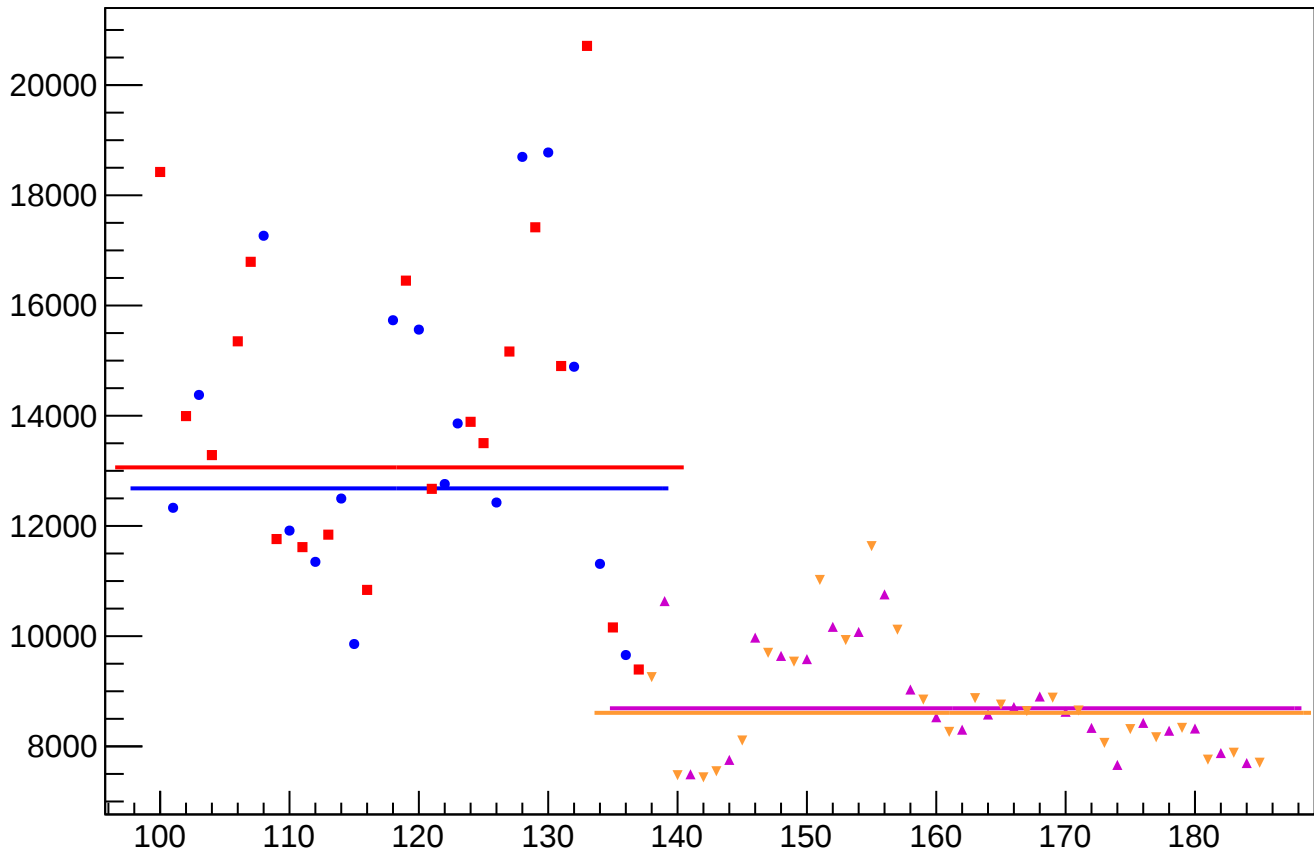
Left In: -0.344 ± 2.100 χ^2/NDF : 29.9/22

+ sign -9.169 ± 1.881 χ^2/NDF : 83.4/41

All: -5.481 ± 1.350 χ^2/NDF : 136.4/83

- 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: 8608.685+/-1.435 χ^2/NDF : 436186.7/24

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

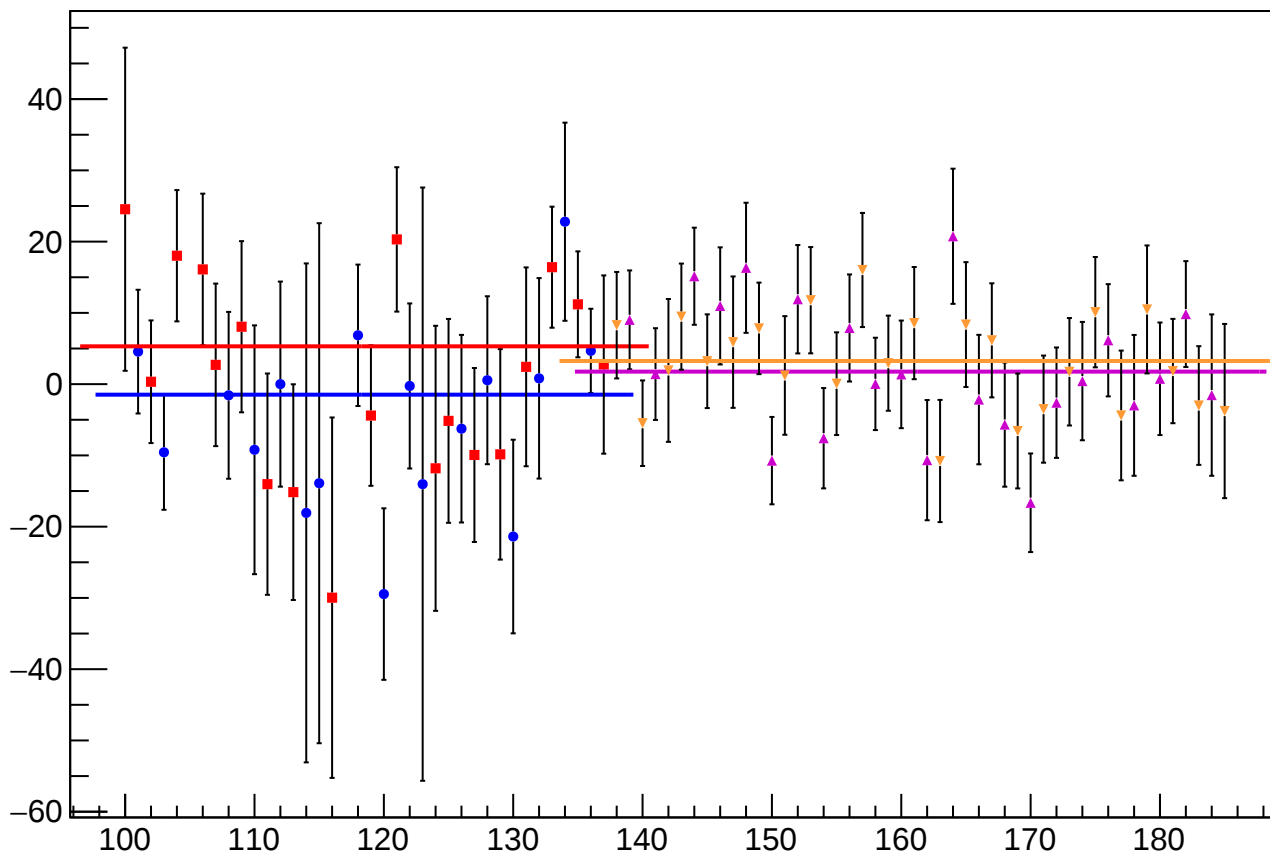
Left In: 8691.203+/-1.485 χ^2/NDF : 365254.6/22

+ sign 9178.851+/-1.330 χ^2/NDF : 2123394.7/41

All: 9259.513+/-0.954 χ^2/NDF : 4291048.6/83

- 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: 3.250 ± 1.557 χ^2/NDF : 17.0/24

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

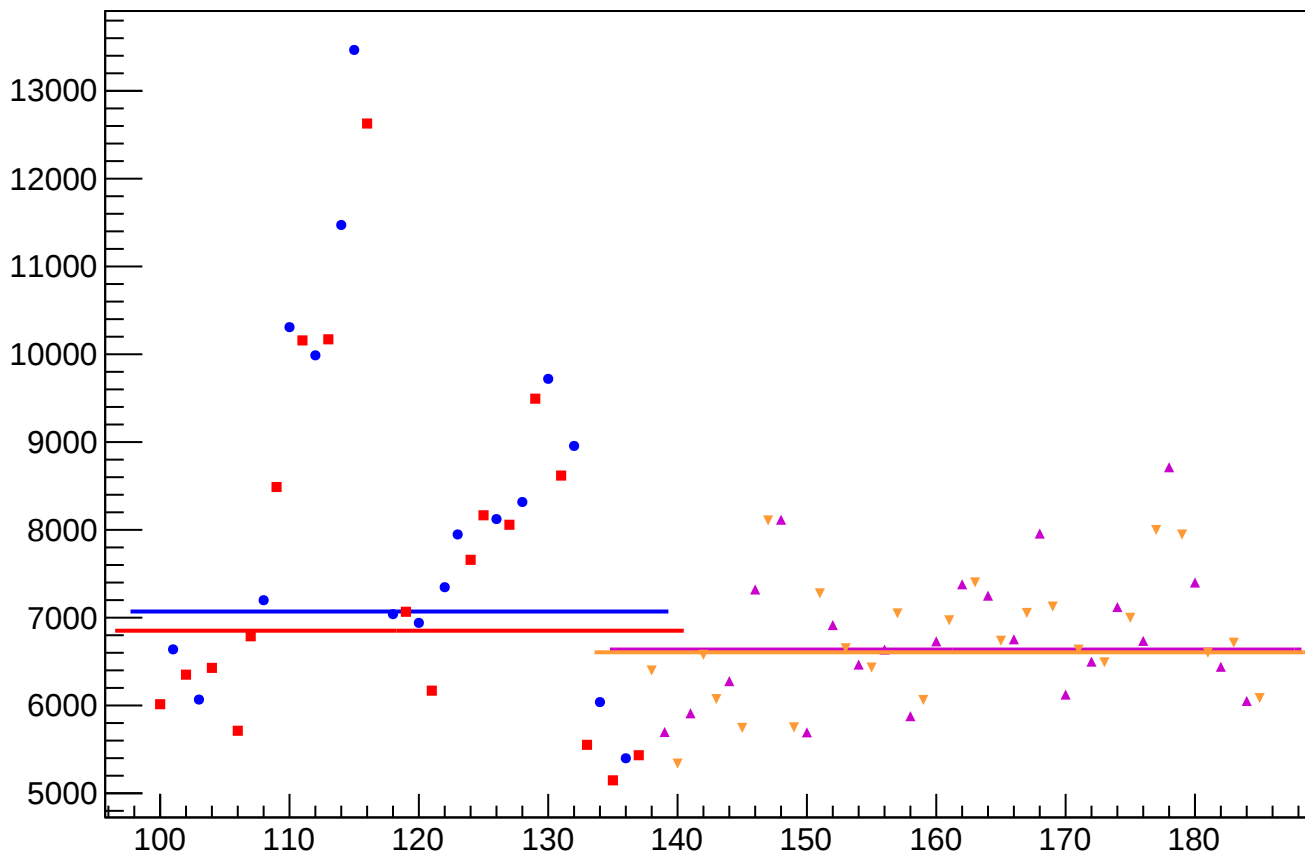
Left In: 1.756 ± 1.607 χ^2/NDF : 33.5/22

+ sign 2.131 ± 1.360 χ^2/NDF : 33.9/41

All: 2.419 ± 0.966 χ^2/NDF : 87.7/83

- 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: 6605.818+/-1.101 χ^2/NDF : 395075.8/24

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

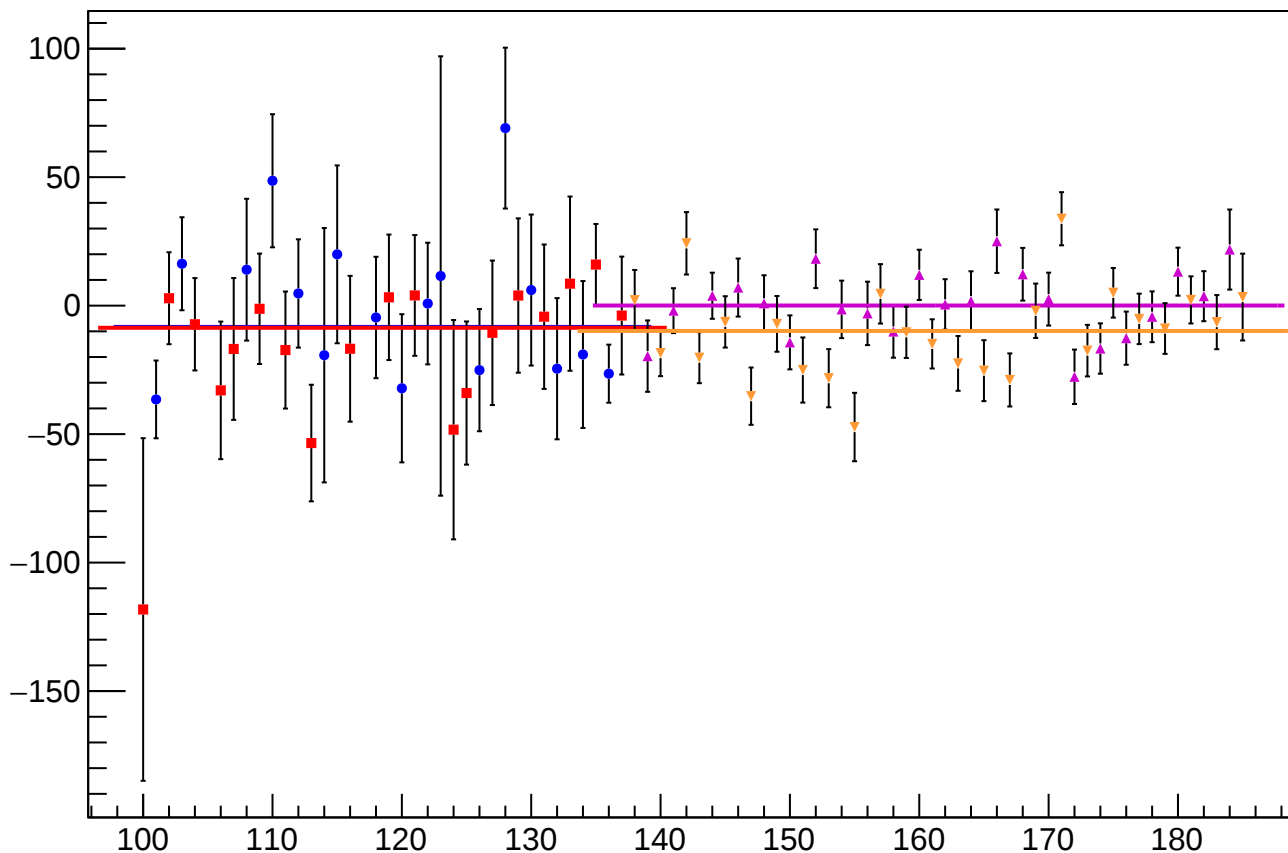
Left In: 6637.155+/-1.136 χ^2/NDF : 415547.5/22

+ sign 6715.797+/-0.962 χ^2/NDF : 1038086.7/41

All: 6705.490+/-0.683 χ^2/NDF : 2152055.2/83

- 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: -9.854 ± 2.130 χ^2/NDF : 60.6/24

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

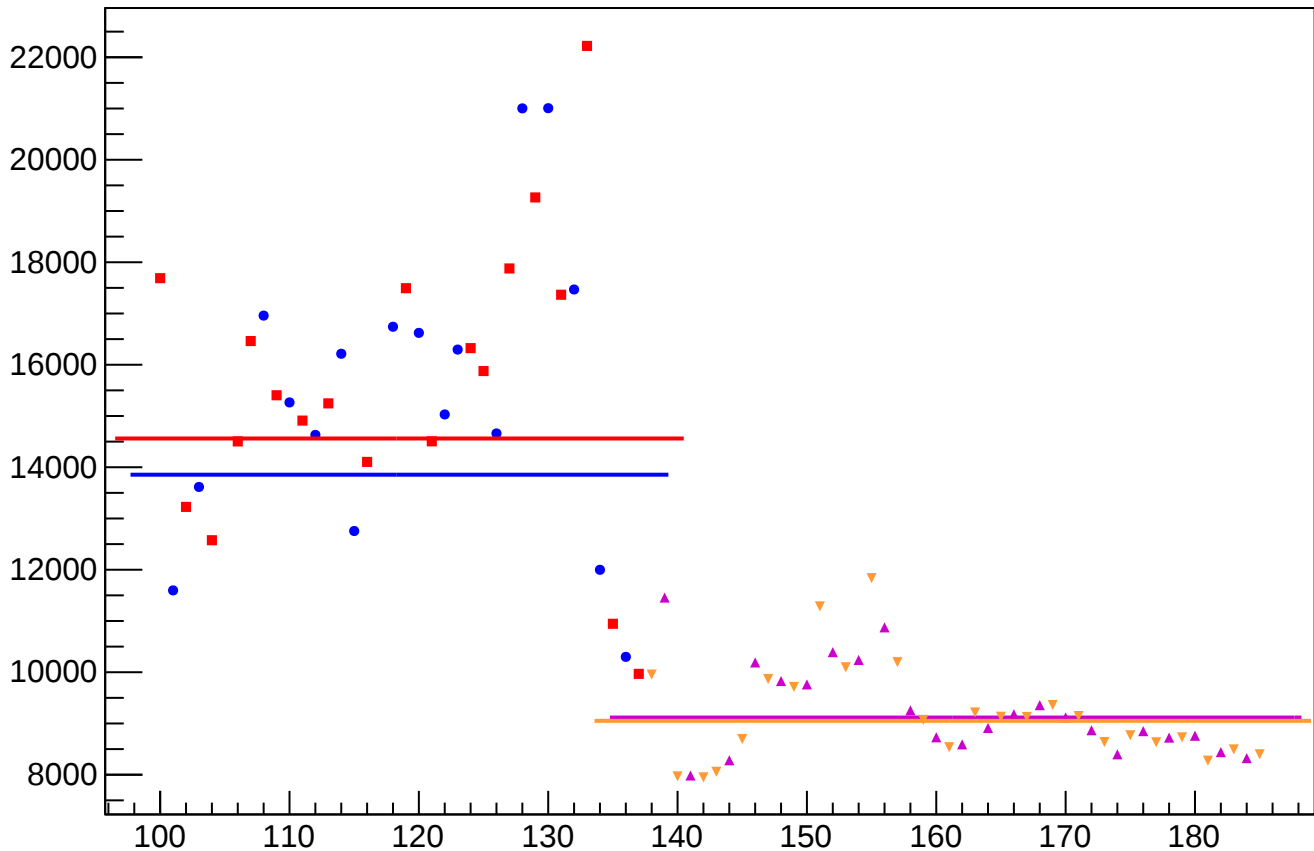
Left In: 0.042 ± 2.200 χ^2/NDF : 30.8/22

+ sign -9.651 ± 1.986 χ^2/NDF : 83.4/41

All: -5.515 ± 1.425 χ^2/NDF : 138.7/83

- 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: 9051.689+/-1.506 χ^2/NDF : 326498.1/24

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

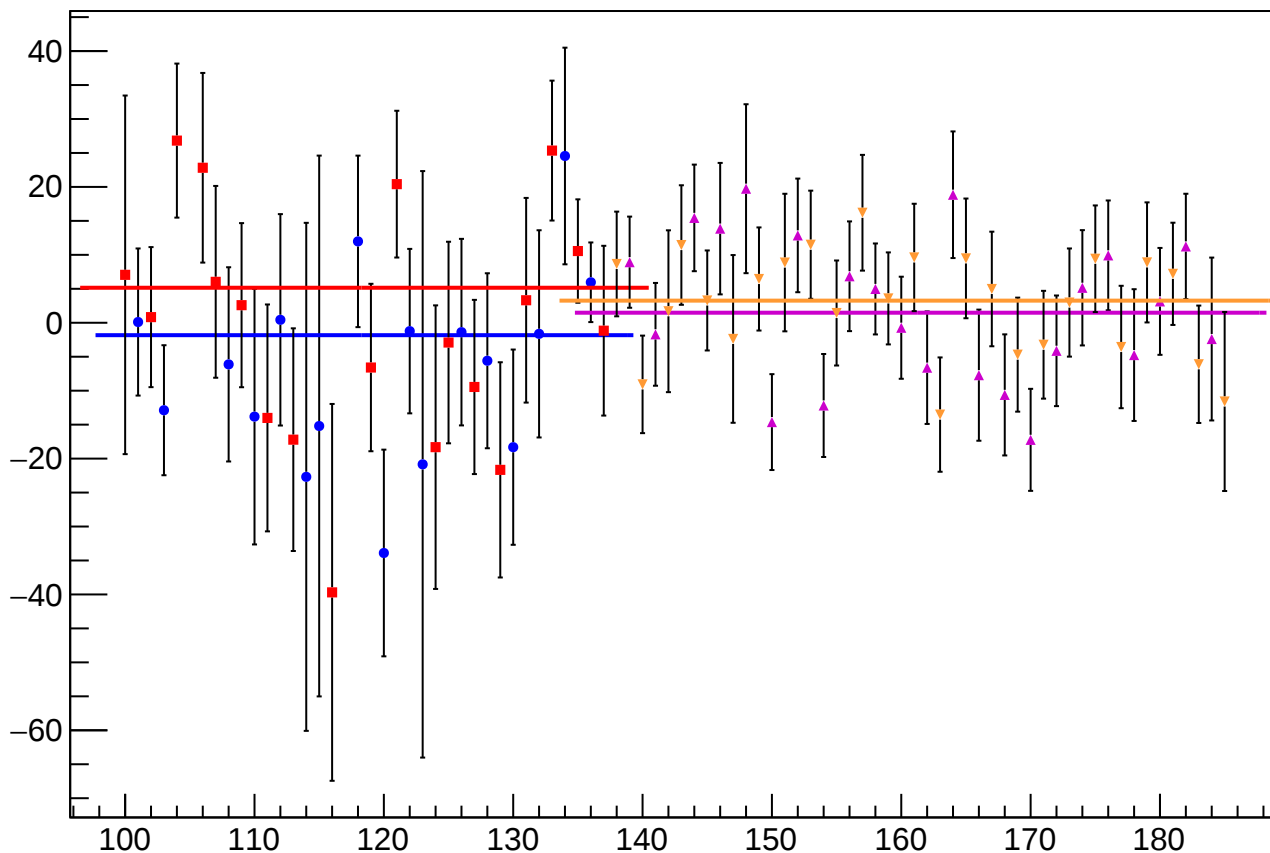
Left In: 9115.817+/-1.556 χ^2/NDF : 272471.8/22

+ sign 9676.303+/-1.405 χ^2/NDF : 2255642.5/41

All: 9760.280+/-1.008 χ^2/NDF : 4661727.9/83

- 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: 3.259 ± 1.673 χ^2/NDF : 19.5/24

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

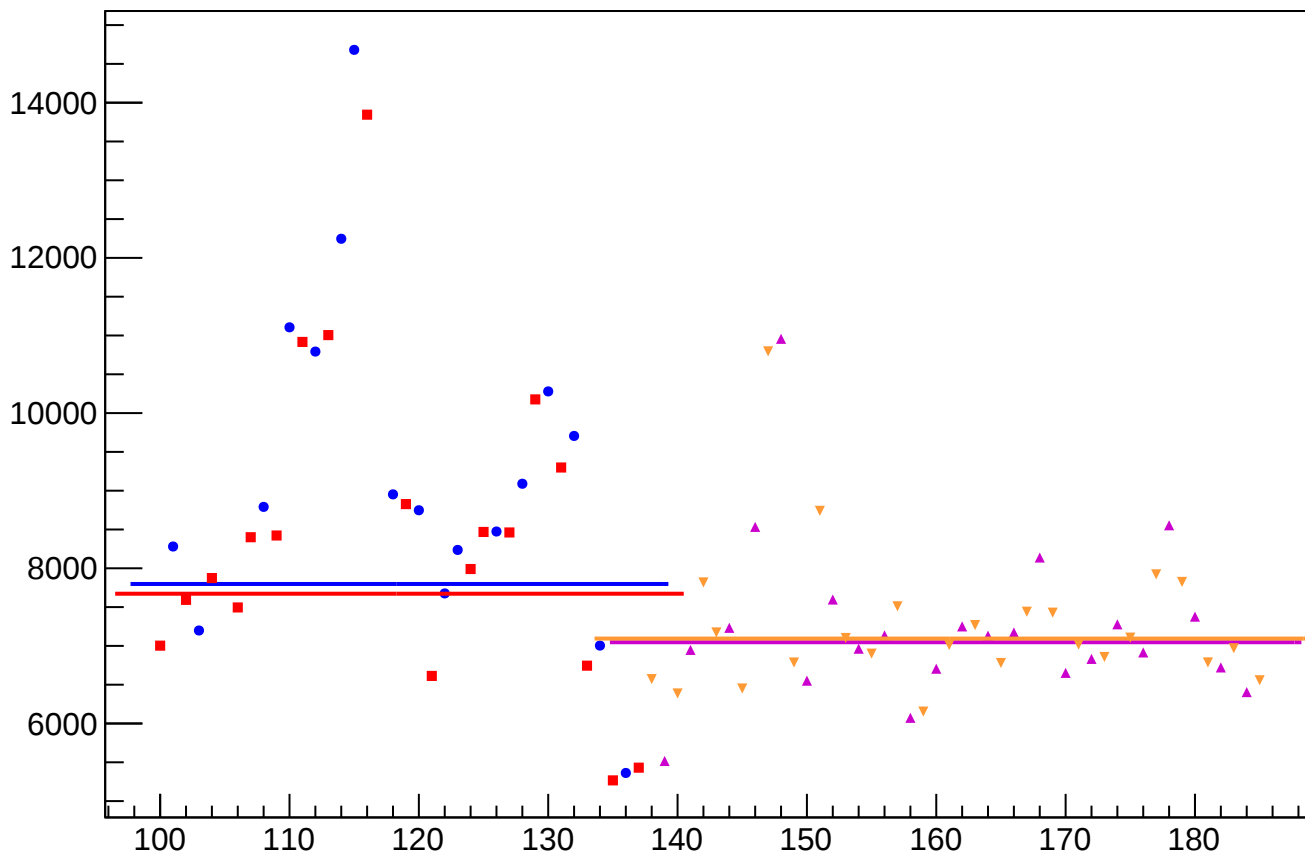
Left In: 1.479 ± 1.710 χ^2/NDF : 36.7/22

+ sign 2.112 ± 1.472 χ^2/NDF : 35.6/41

All: 2.254 ± 1.044 χ^2/NDF : 98.1/83

- 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: 7094.548 $\pm$ 1.183 χ^2 /NDF: 381606.6/24

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

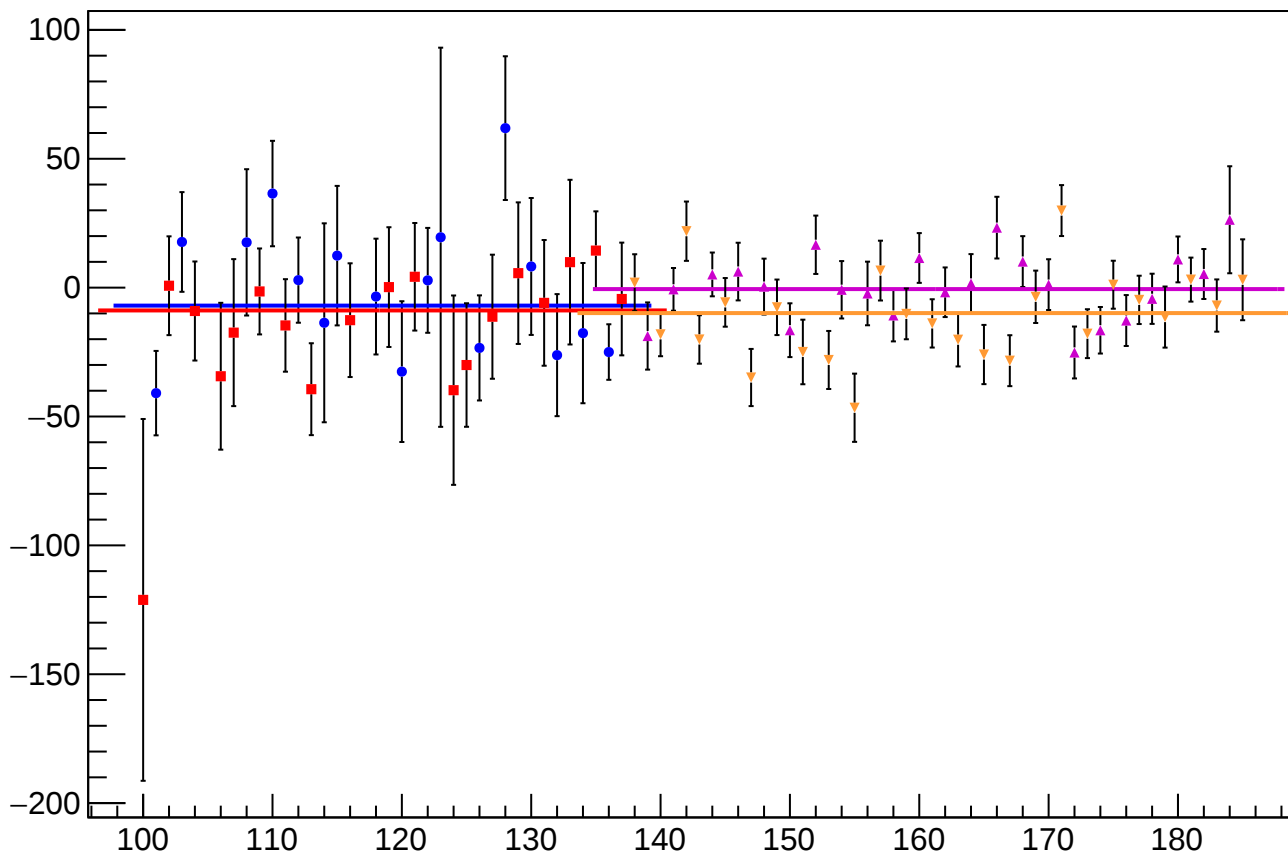
Left In: 7047.269 $\pm$ 1.209 χ^2 /NDF: 517433.5/22

+ sign 7253.187 $\pm$ 1.041 χ^2 /NDF: 1197702.9/41

All: 7228.430 $\pm$ 0.738 χ^2 /NDF: 2459690.3/83

- 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: -9.872 ± 2.069 χ^2/NDF : 58.7/24

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

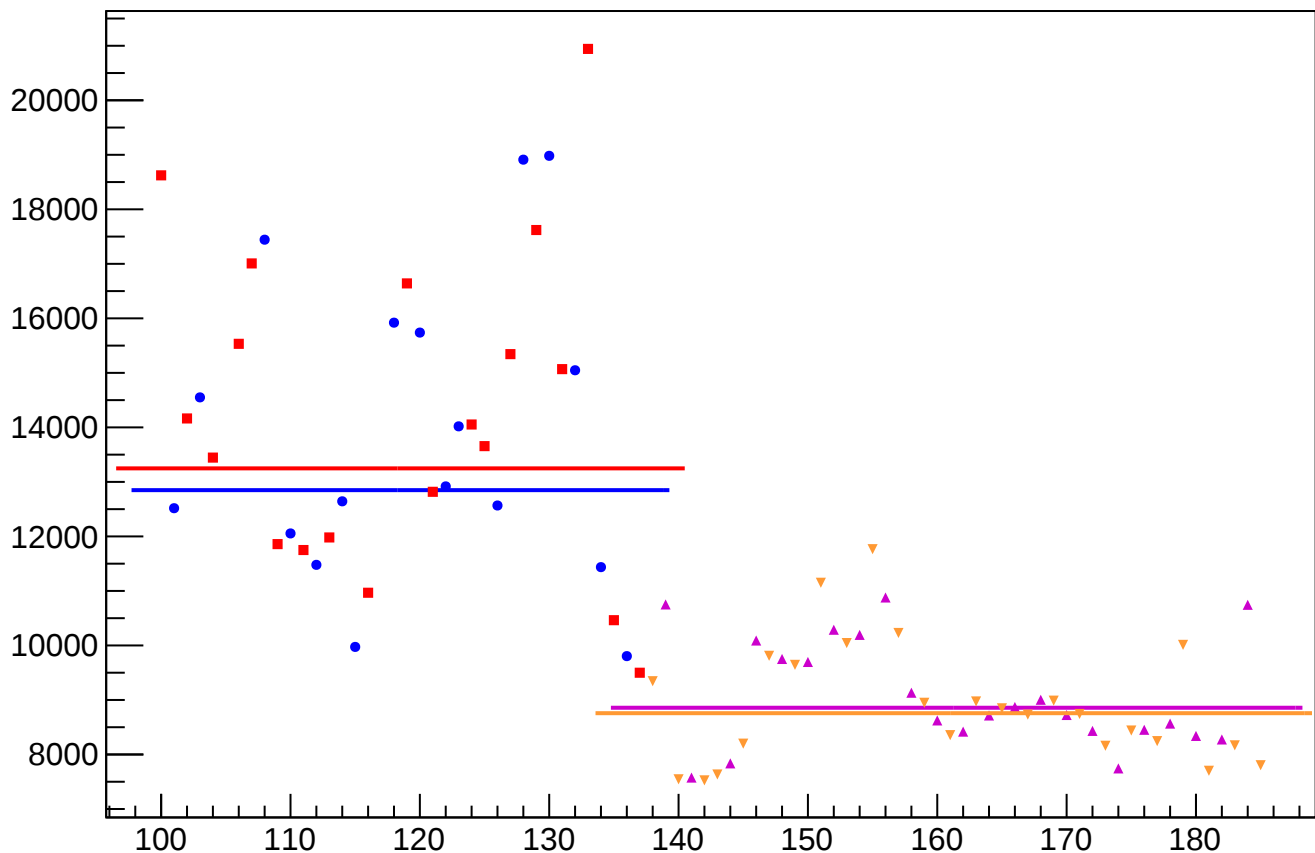
Left In: -0.564 ± 2.144 χ^2/NDF : 29.7/22

+ sign -9.462 ± 1.917 χ^2/NDF : 83.0/41

All: -5.753 ± 1.375 χ^2/NDF : 134.8/83

- 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: 8757.441+/-1.463 χ^2/NDF : 460919.8/24

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

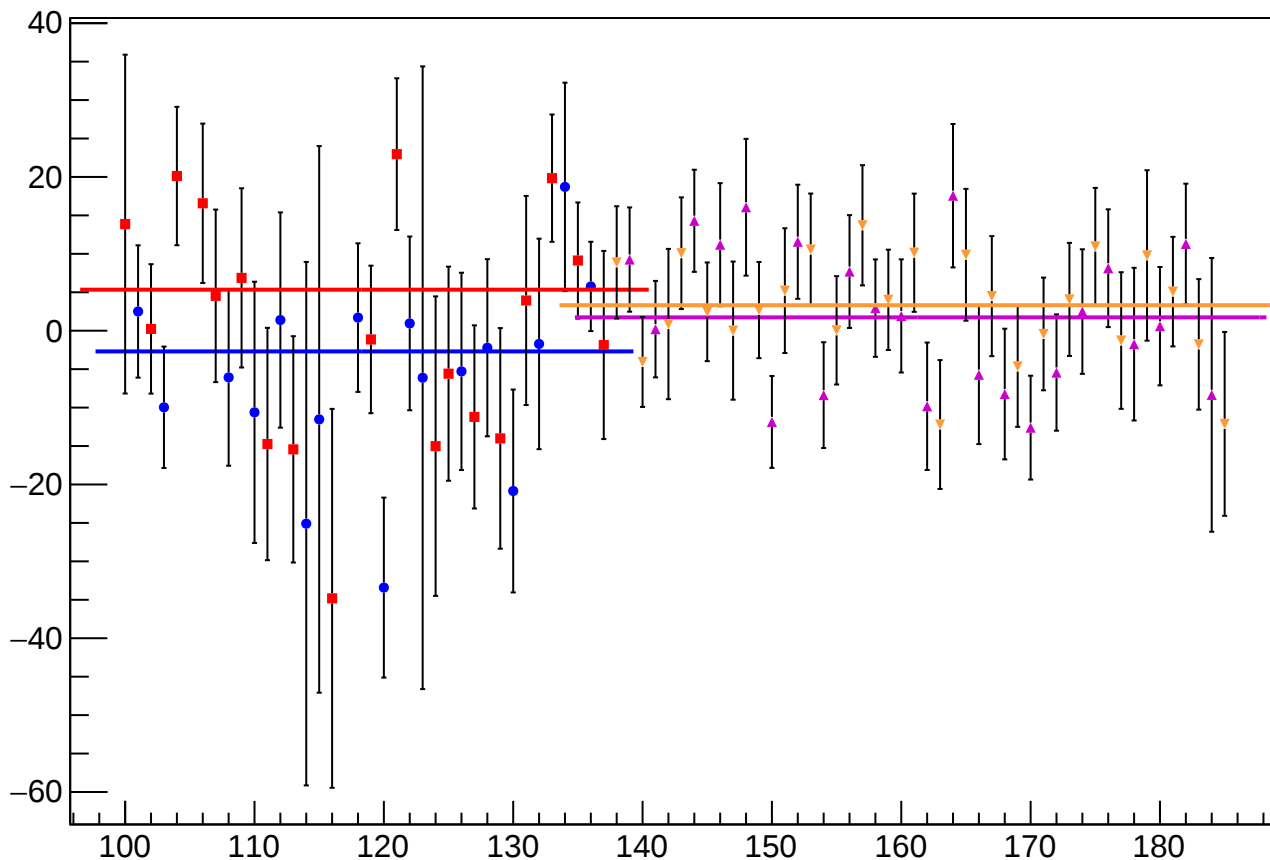
Left In: 8857.329+/-1.516 χ^2/NDF : 361778.8/22

+ sign 9336.225+/-1.355 χ^2/NDF : 2119867.5/41

All: 9425.847+/-0.973 χ^2/NDF : 4246137.0/83

- 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: 3.316 ± 1.531 χ^2/NDF : 16.1/24

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

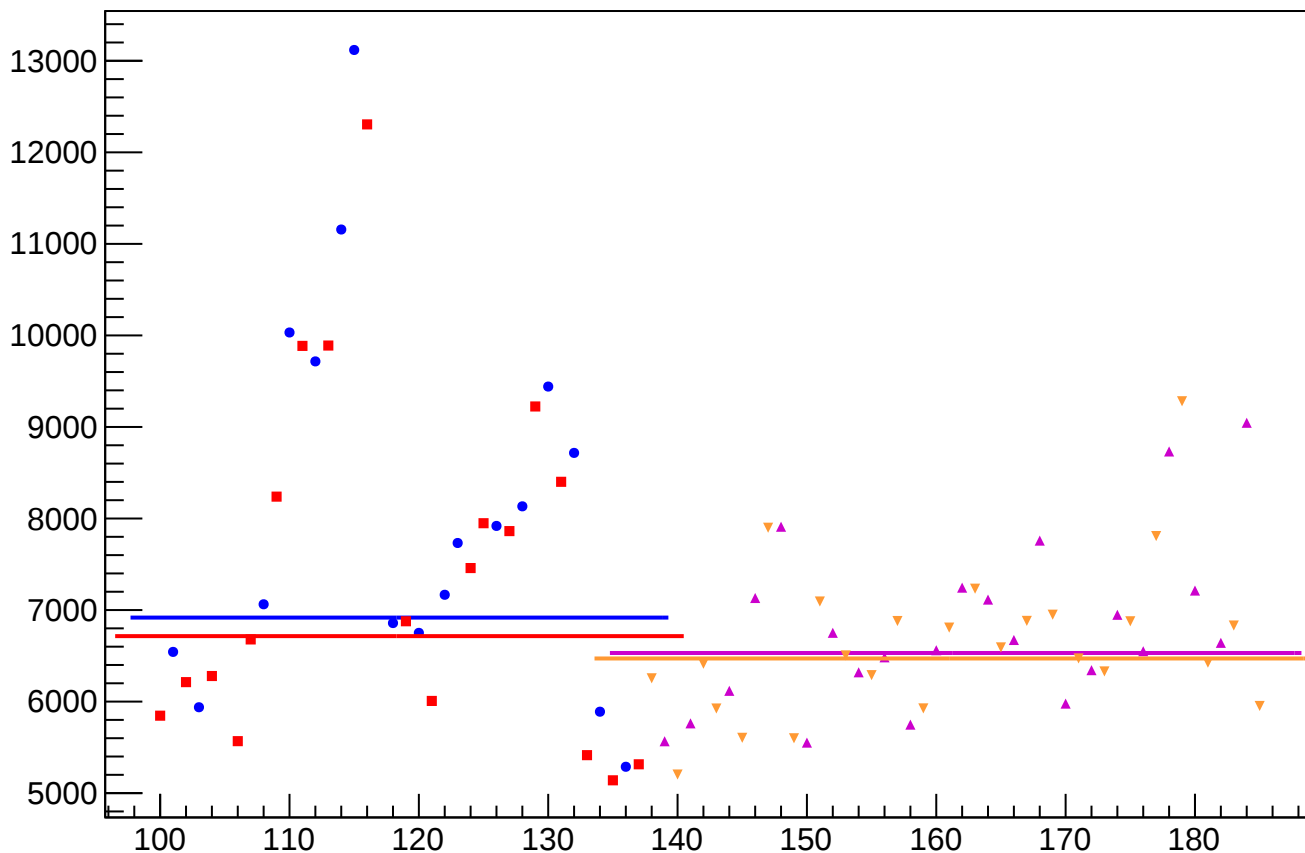
Left In: 1.734 ± 1.586 χ^2/NDF : 33.6/22

+ sign 1.884 ± 1.336 χ^2/NDF : 35.6/41

All: 2.295 ± 0.951 χ^2/NDF : 94.5/83

- 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: 6470.927+/-1.083 χ^2/NDF : 486946.1/24

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

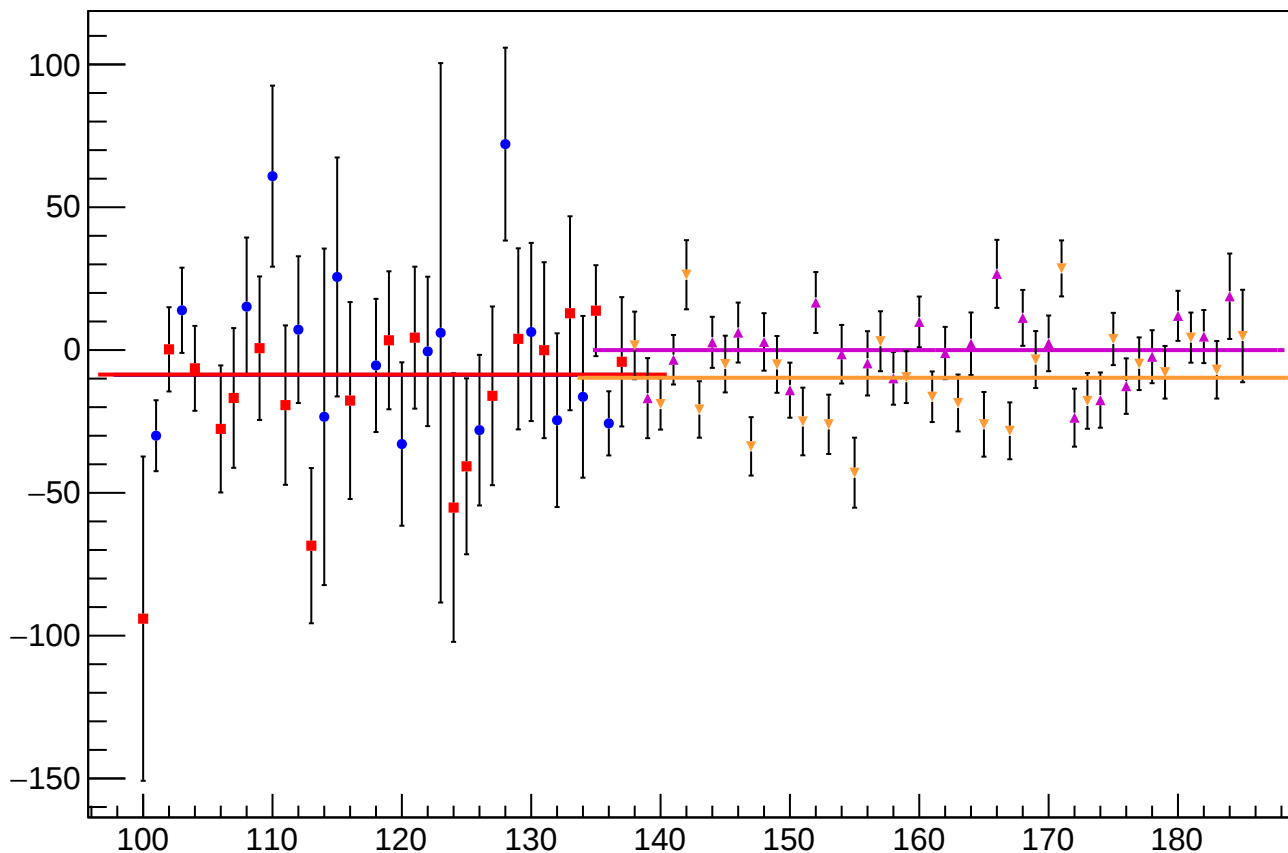
Left In: 6530.954+/-1.121 χ^2/NDF : 464668.6/22

+ sign 6577.432+/-0.945 χ^2/NDF : 1114715.5/41

All: 6579.242+/-0.672 χ^2/NDF : 2246742.4/83

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

diff_bpm1X_mean vs Slug



Right In: -8.685 ± 5.401 $\chi^2/\text{NDF}: 22.1/16$

Left Out: -9.701 ± 2.022 $\chi^2/\text{NDF}: 60.3/24$

Right Out: -8.586 ± 5.516 $\chi^2/\text{NDF}: 14.0/18$

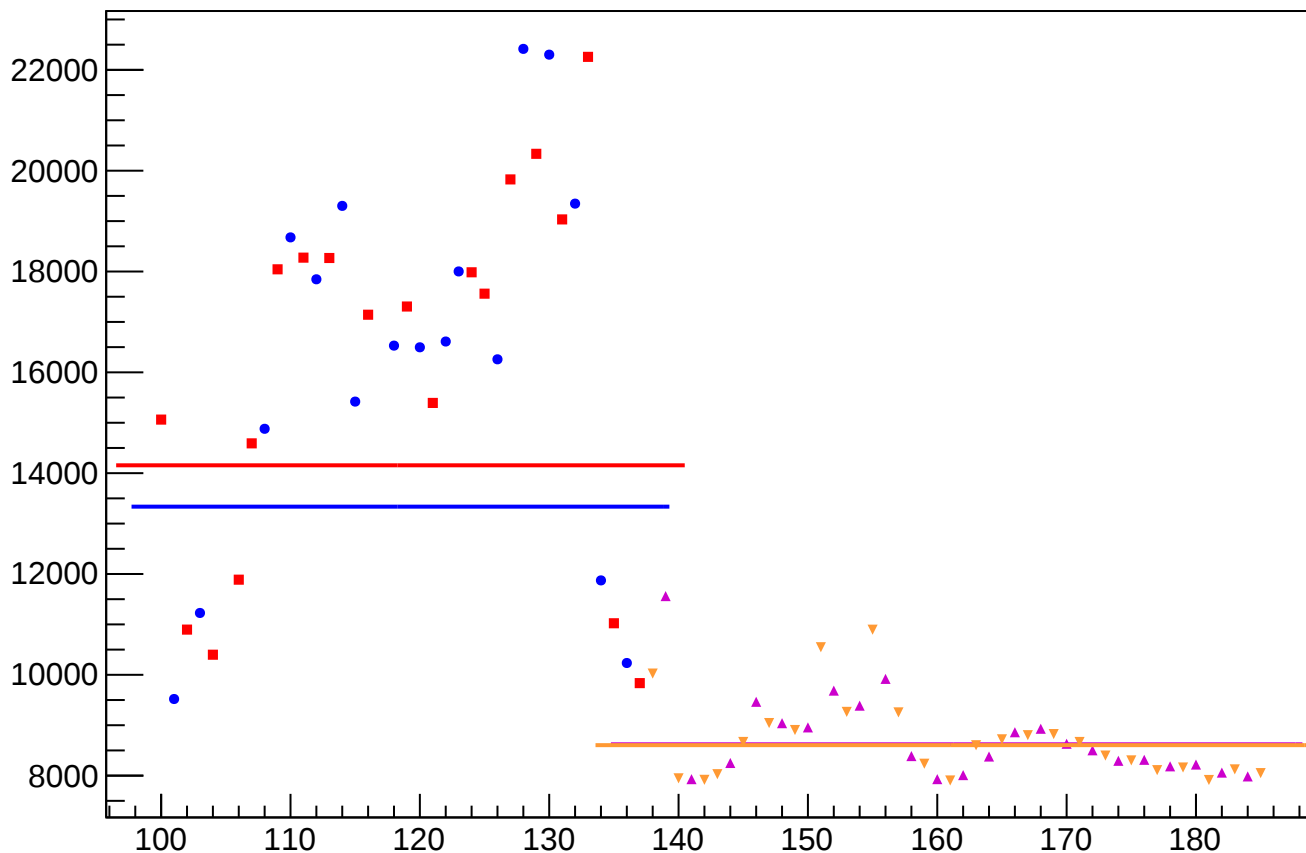
Left In: -0.027 ± 2.080 $\chi^2/\text{NDF}: 29.9/22$

+ sign -9.576 ± 1.894 $\chi^2/\text{NDF}: 82.5/41$

All: -5.450 ± 1.357 $\chi^2/\text{NDF}: 138.2/83$

- sign -1.092 ± 1.946 $\chi^2/\text{NDF}: 46.0/41$

diff_bpm1X_rms vs Slug



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

Left Out: 8604.681+/-1.430 χ^2/NDF : 248417.0/24

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

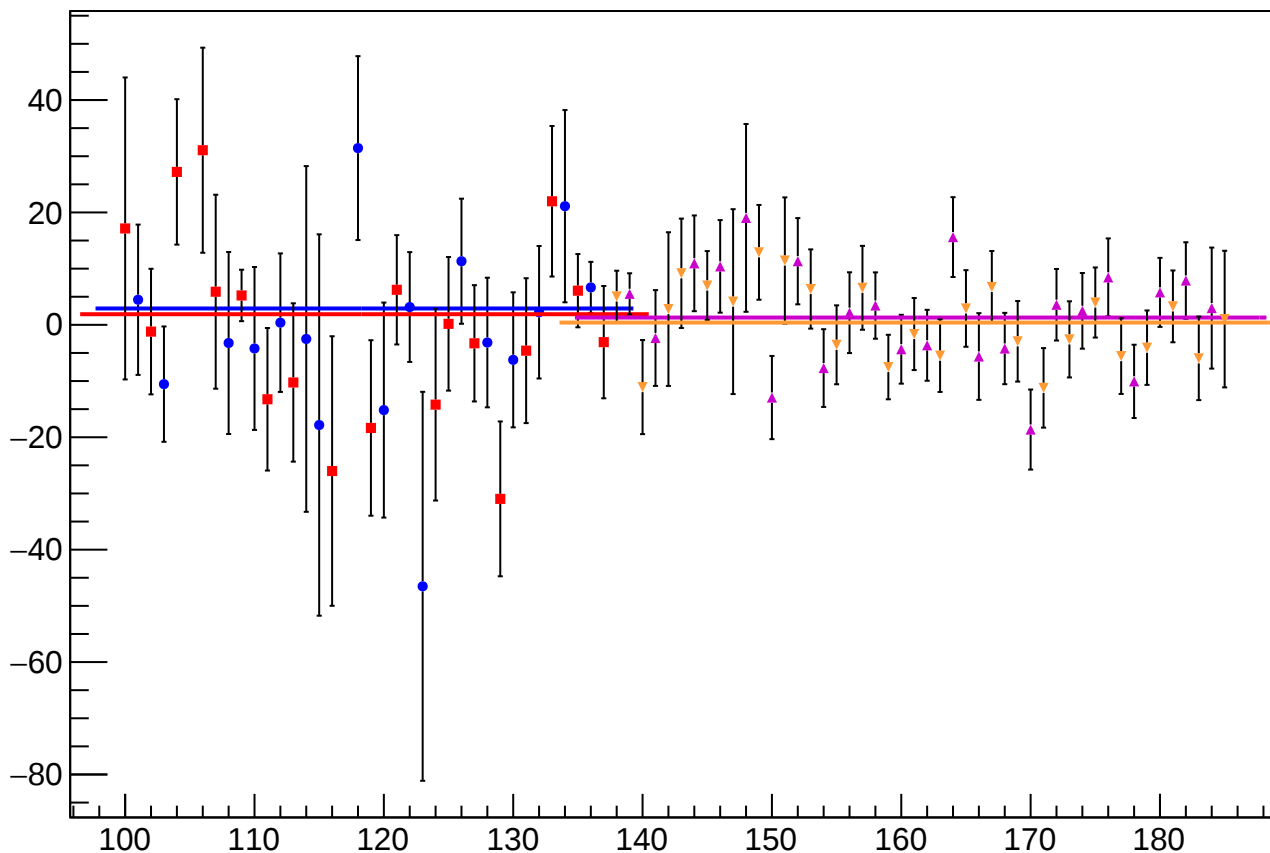
Left In: 8621.975+/-1.471 χ^2/NDF : 230824.4/22

+ sign 9186.258+/-1.339 χ^2/NDF : 2643559.2/41

All: 9246.819+/-0.960 χ^2/NDF : 5573394.3/83

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

diff_bpm1Y_mean vs Slug



Right In: 2.911 ± 2.758 $\chi^2/\text{NDF}: 11.8/16$

Left Out: 0.404 ± 1.422 $\chi^2/\text{NDF}: 19.4/24$

Right Out: 1.892 ± 2.444 $\chi^2/\text{NDF}: 22.8/18$

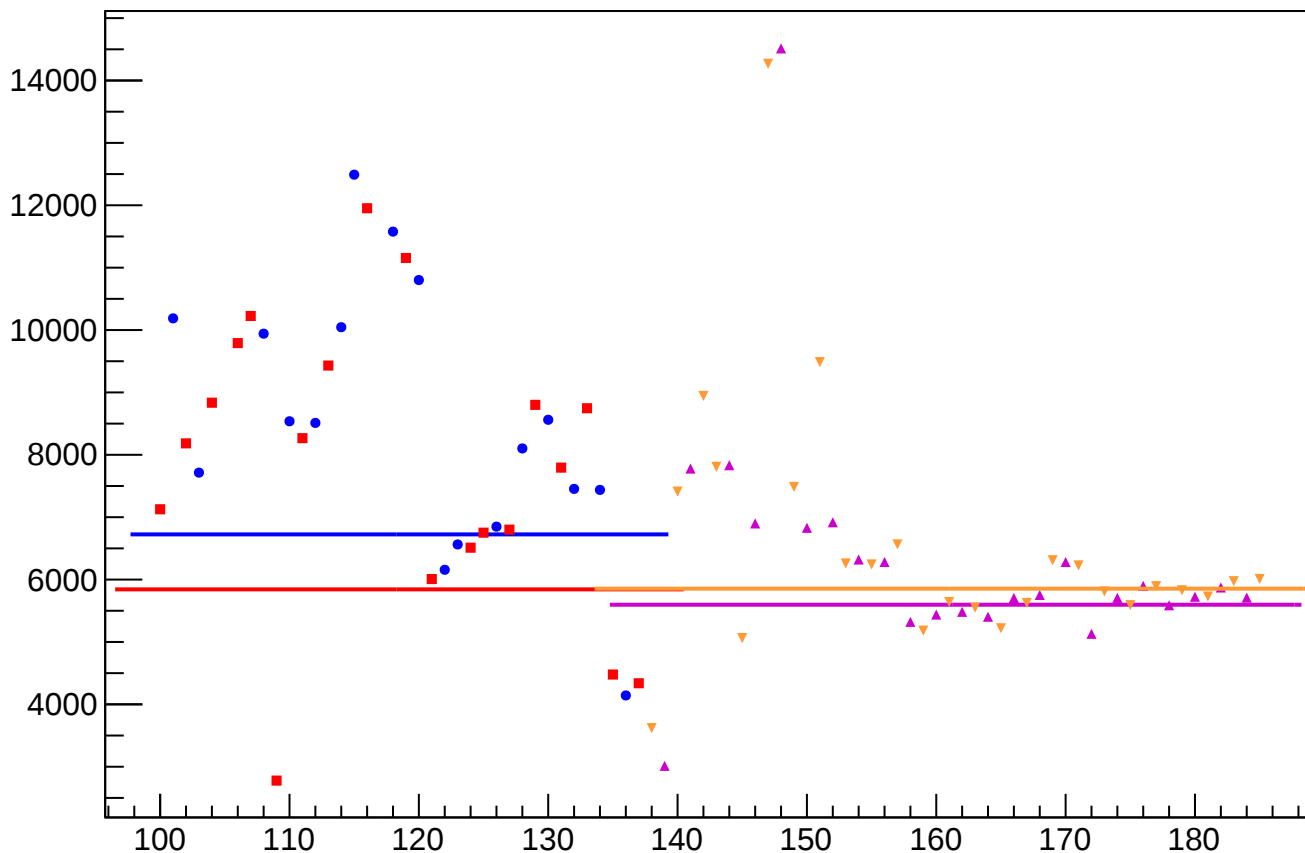
Left In: 1.298 ± 1.406 $\chi^2/\text{NDF}: 33.0/22$

+ sign 0.931 ± 1.264 $\chi^2/\text{NDF}: 31.8/41$

All: 1.198 ± 0.877 $\chi^2/\text{NDF}: 87.8/83$

- sign 1.446 ± 1.219 $\chi^2/\text{NDF}: 55.9/41$

diff_bpm1Y_rms vs Slug



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

Left Out: 5854.533 $\pm$ 1.006 χ^2 /NDF:1672540.3/24

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

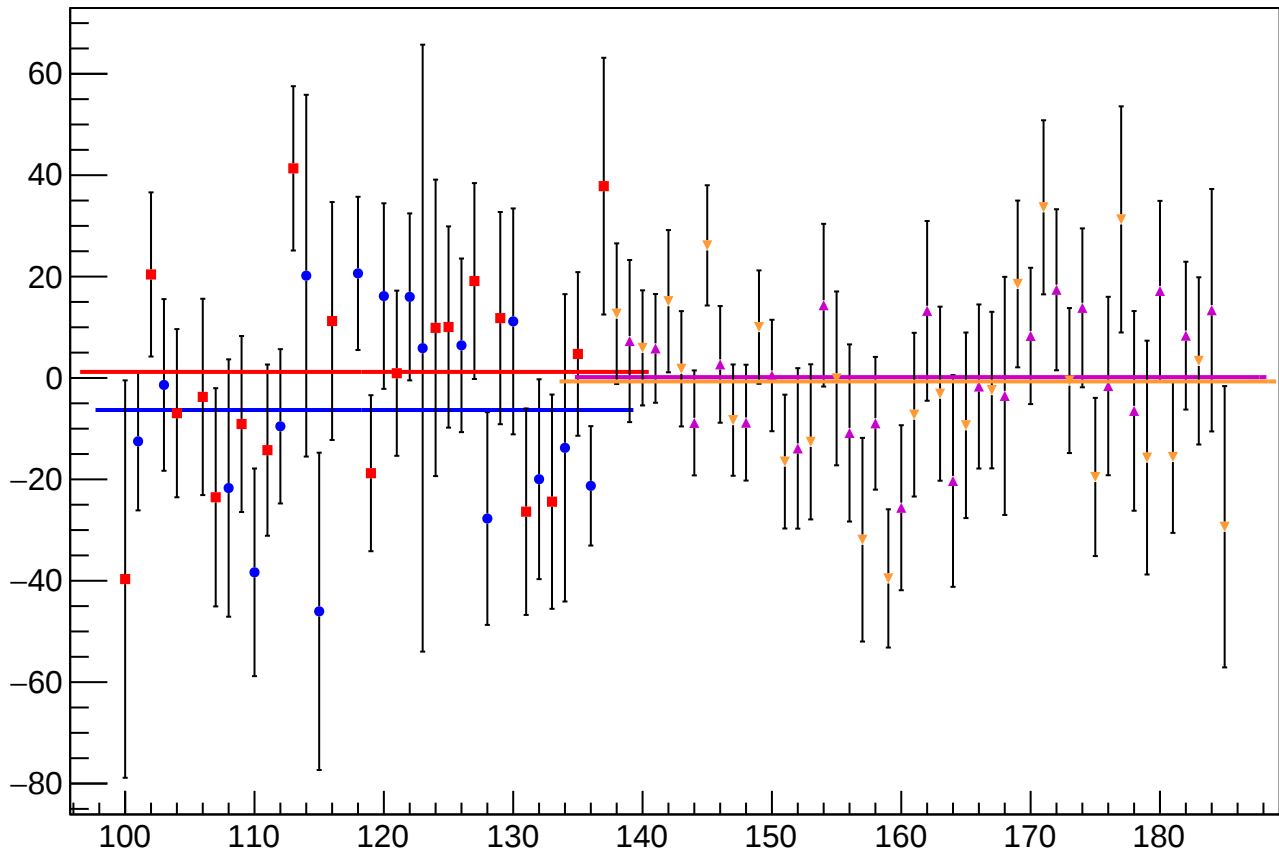
Left In: 5596.879 $\pm$ 0.994 χ^2 /NDF:2089750.1/22

+ sign 6037.295 $\pm$ 0.894 χ^2 /NDF: 3221410.4/41

All: 5840.800 $\pm$ 0.620 χ^2 /NDF: 7700409.8/83

- sign 5658.098 $\pm$ 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: -0.683 ± 2.958 χ^2/NDF : 33.5/24

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

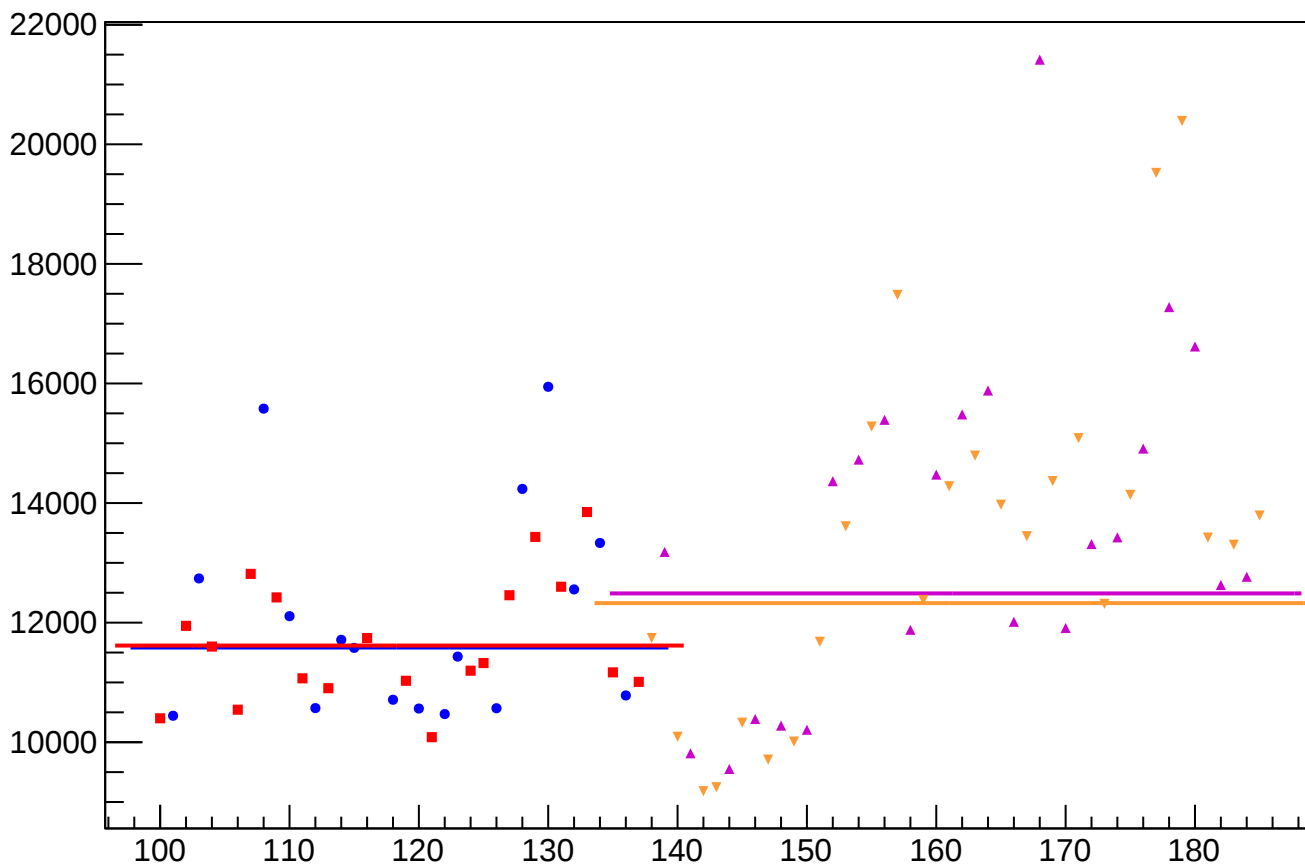
Left In: 0.172 ± 3.067 χ^2/NDF : 12.4/22

+ sign -2.370 ± 2.476 χ^2/NDF : 50.9/41

All: -0.952 ± 1.764 χ^2/NDF : 84.1/83

- 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: 12326.902 ± 2.092 χ^2/NDF : 1477236.3/24

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

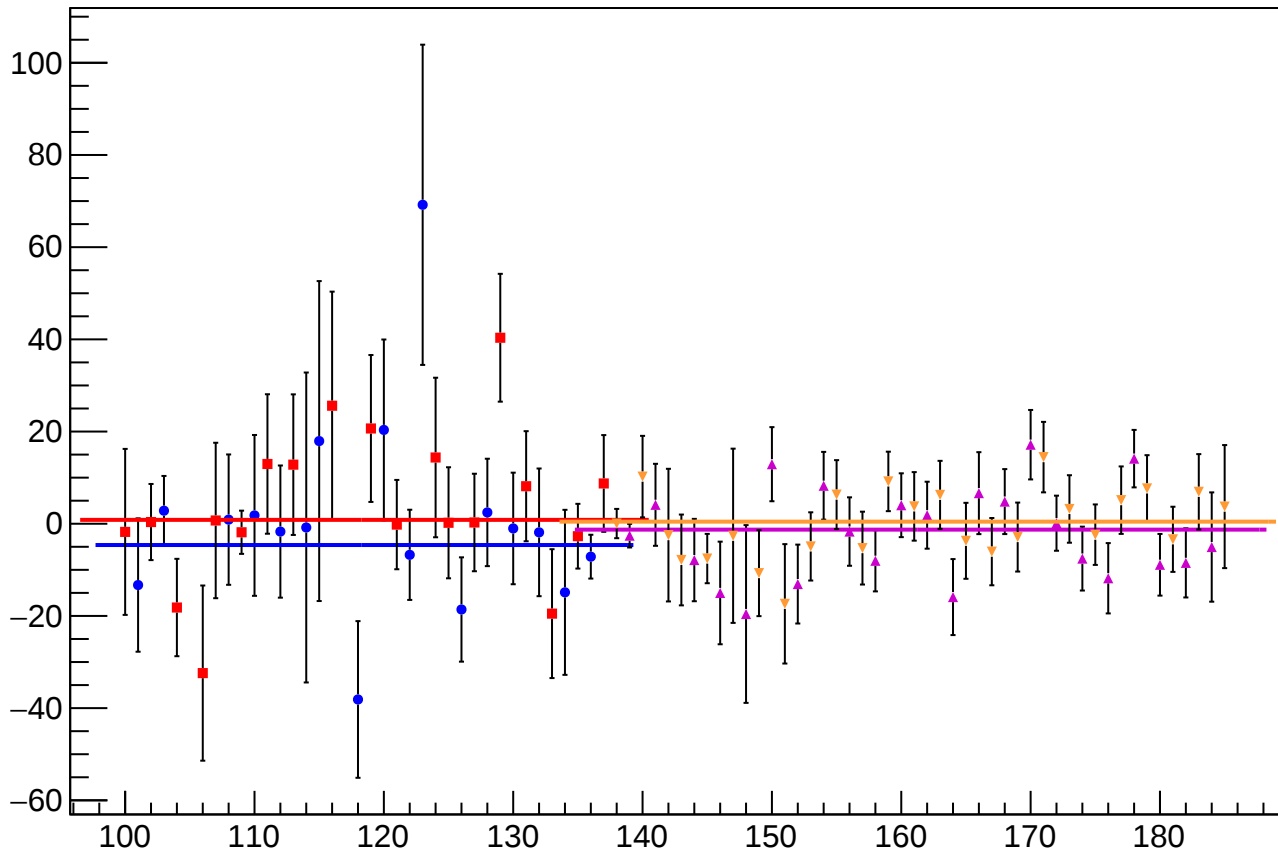
Left In: 12488.821 ± 2.169 χ^2/NDF : 1354485.4/22

+ sign 12104.474 ± 1.751 χ^2/NDF : 1756550.5/41

All: 12152.548 ± 1.247 χ^2/NDF : 3261185.8/...

- 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: 0.453 ± 1.438 χ^2/NDF : 19.2/24

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

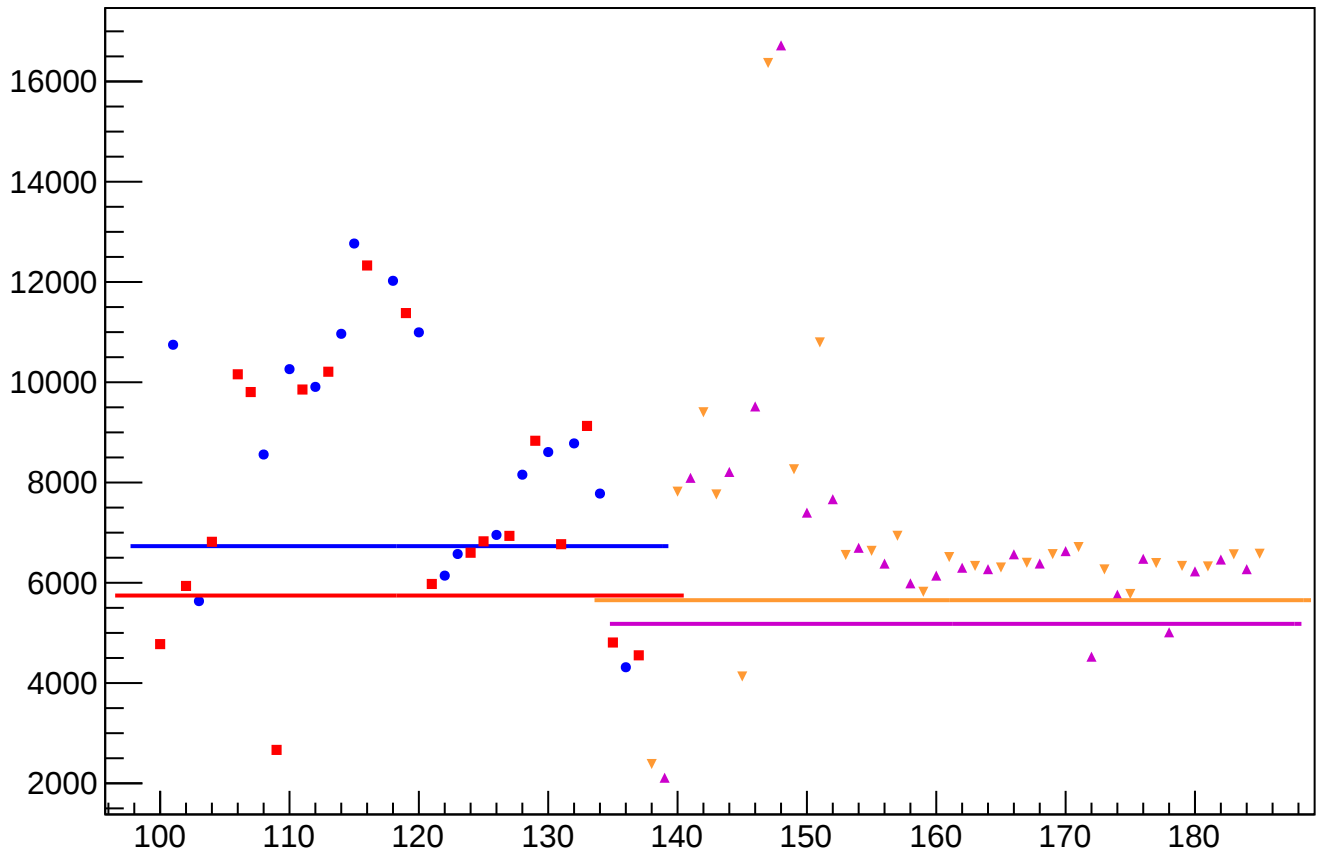
Left In: -1.278 ± 1.386 χ^2/NDF : 34.0/22

+ sign -0.616 ± 1.277 χ^2/NDF : 36.6/41

All: -0.691 ± 0.876 χ^2/NDF : 93.7/83

- 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: 5652.919+/-1.017 χ^2/NDF : 4109930.8/24

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

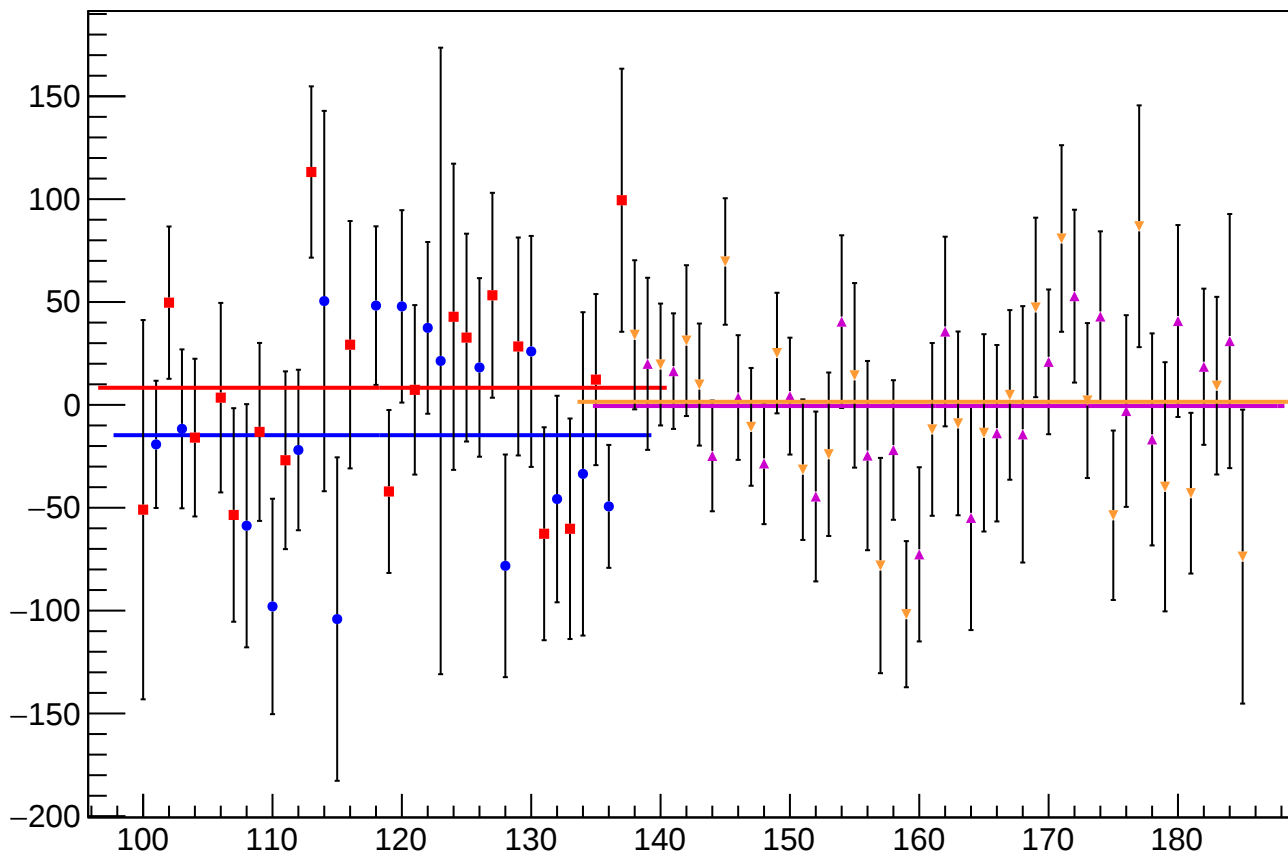
Left In: 5180.743+/-0.980 χ^2/NDF : 5350053.6/22

+ sign 5880.222+/-0.903 χ^2/NDF : 5791515.9/41

All: 5583.161+/-0.619 χ^2/NDF : 13591973.1/8

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

diff_bpm12X_mean vs Slug



Right In: -14.734 ± 11.237 χ^2/NDF : 15.3/16

Left Out: 1.499 ± 7.734 χ^2/NDF : 31.1/24

Right Out: 8.323 ± 10.912 χ^2/NDF : 19.5/18

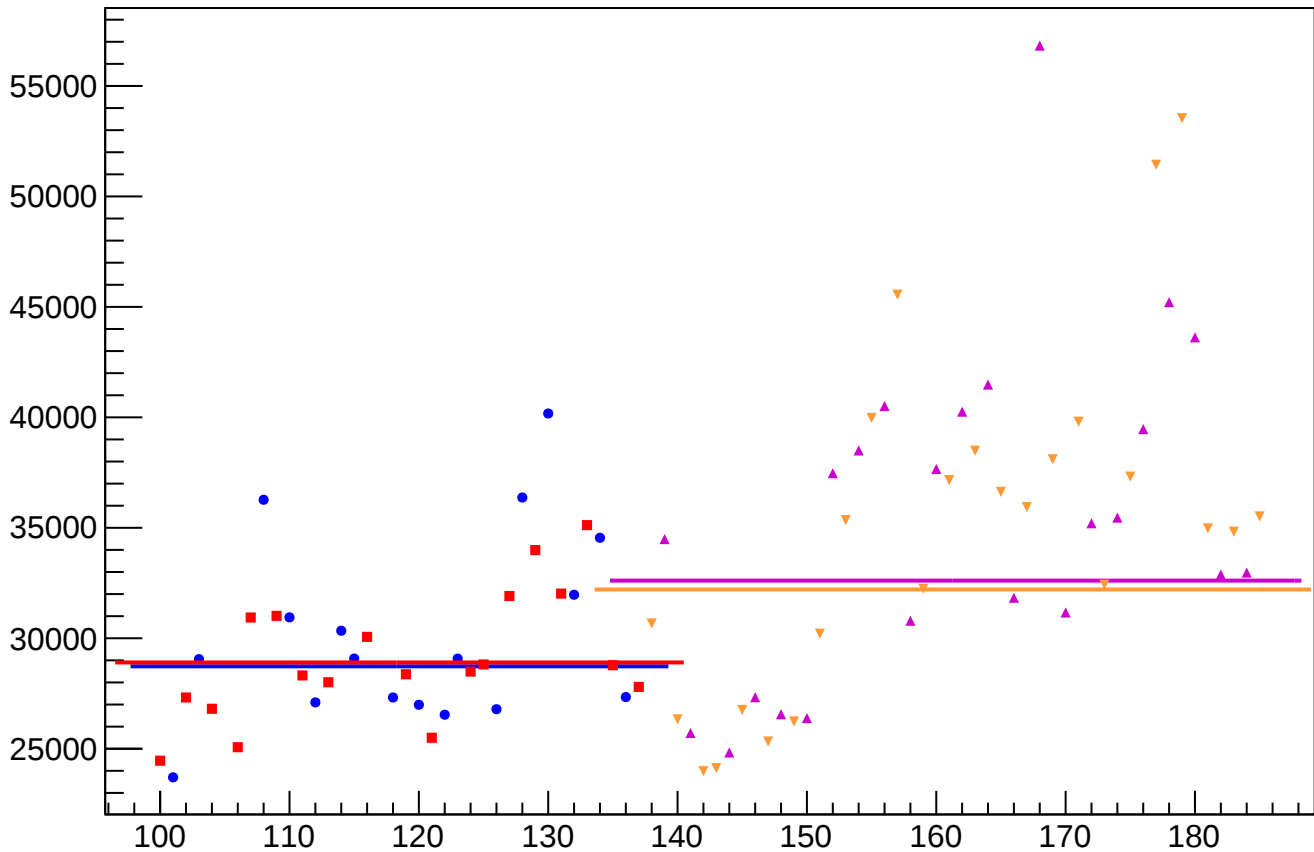
Left In: -0.565 ± 8.015 χ^2/NDF : 14.3/22

+ sign -3.719 ± 6.371 χ^2/NDF : 47.8/41

All: -0.628 ± 4.536 χ^2/NDF : 82.4/83

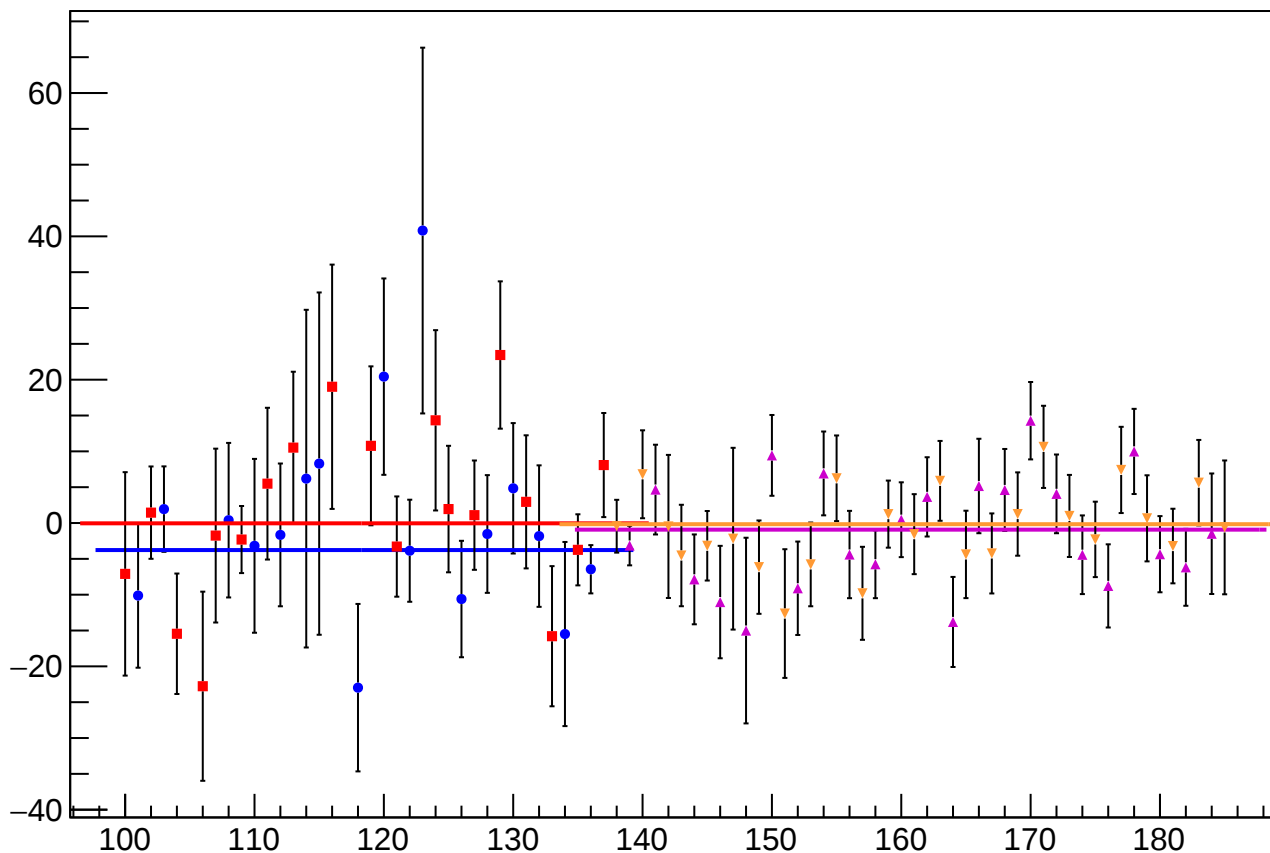
- sign 2.550 ± 6.460 χ^2/NDF : 34.2/41

diff_bpm12X_rms vs Slug



Right In: 28729.913+/-7.946	χ^2/NDF : 254816.0/16	+ sign 31090.015+/-4.505	χ^2/NDF : 1895734.0/41
Left Out: 32208.128+/-5.469	χ^2/NDF : 1510893.2/24	All: 31199.531+/-3.207	χ^2/NDF : 3557789.6/41
Right Out: 28905.793+/-7.716	χ^2/NDF : 112668.4/18	- sign 31312.109+/-4.568	χ^2/NDF : 1660857.1/41
Left In: 32610.108+/-5.667	χ^2/NDF : 1398475.8/22		

diff_bpm12Y_mean vs Slug



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

Left Out: -0.164 ± 1.176 χ^2/NDF : 18.2/24

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

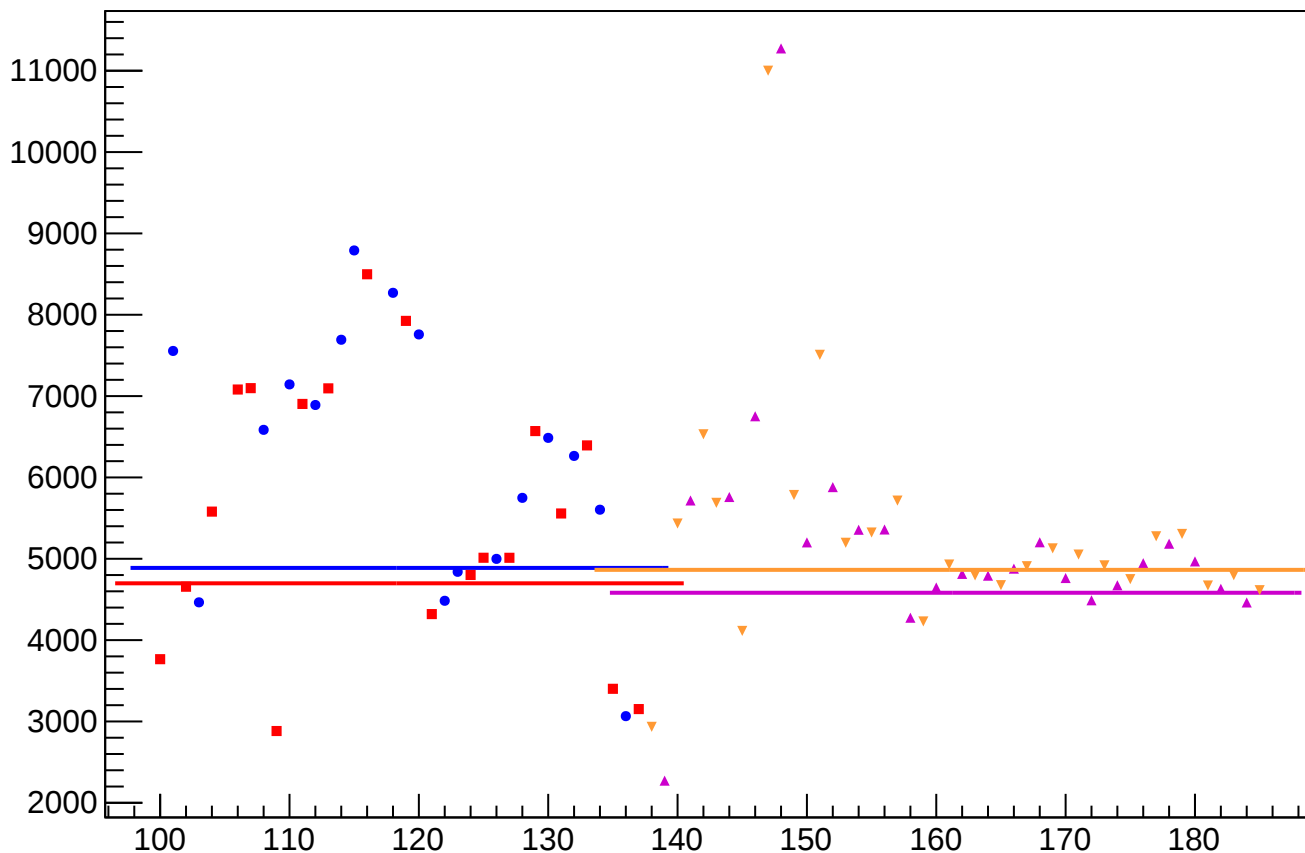
Left In: -0.925 ± 1.154 χ^2/NDF : 36.1/22

+ sign -1.084 ± 1.015 χ^2/NDF : 34.6/41

All: -0.879 ± 0.707 χ^2/NDF : 92.6/83

- 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: 4863.824+/-0.831 χ^2/NDF : 1502587.4/24

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

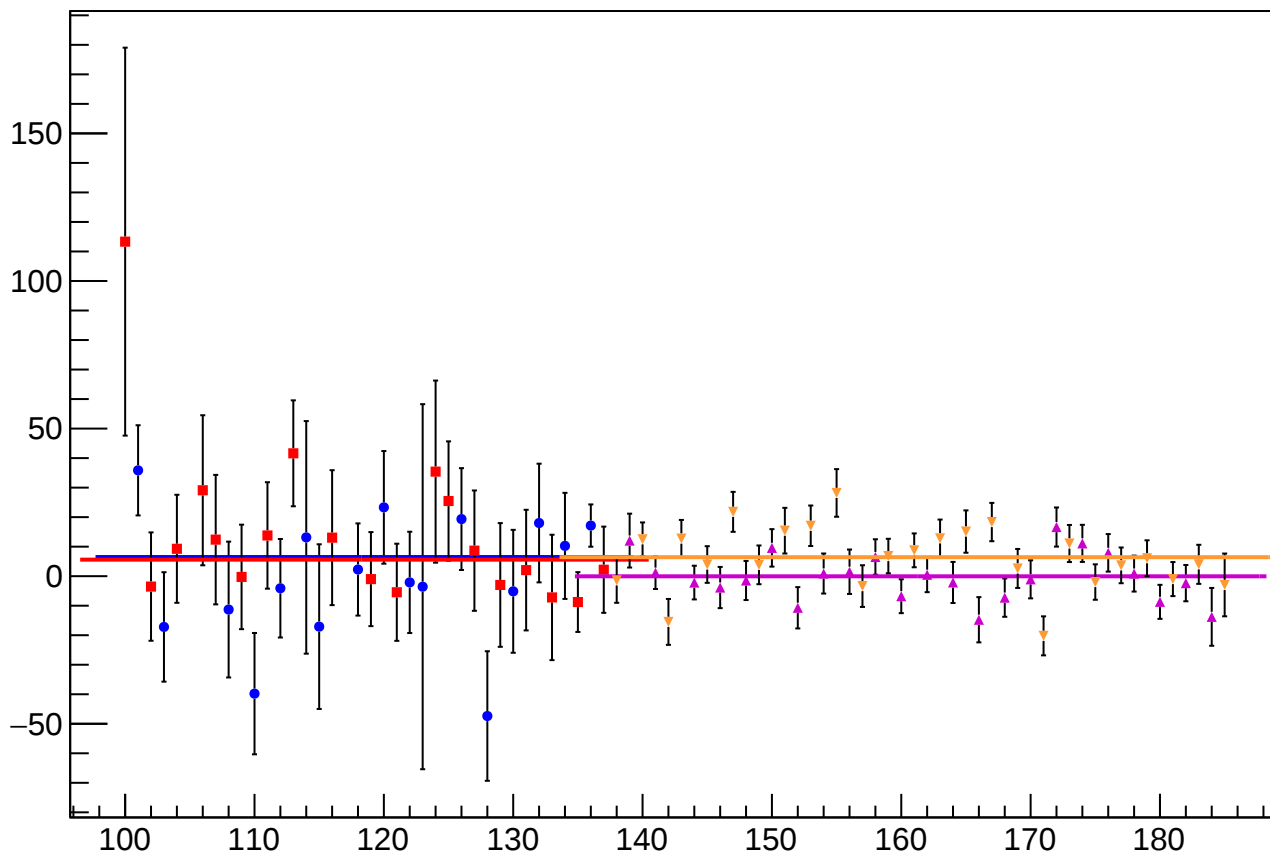
Left In: 4582.193+/-0.816 χ^2/NDF : 2478681.0/22

+ sign 4869.926+/-0.718 χ^2/NDF : 2911432.0/41

All: 4737.991+/-0.500 χ^2/NDF : 6777324.6/83

- 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: 6.435 ± 1.317 χ^2/NDF : 57.4/24

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

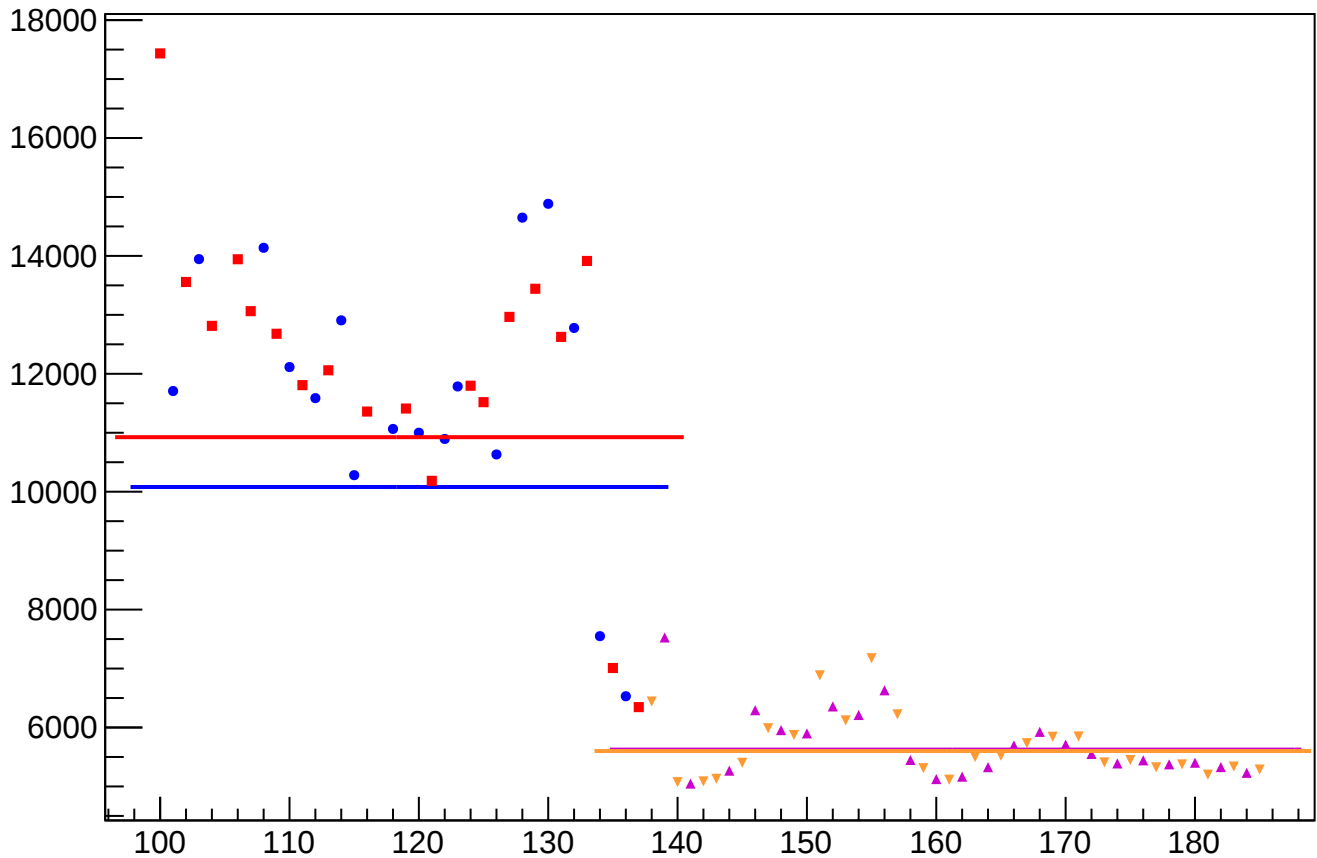
Left In: -0.044 ± 1.358 χ^2/NDF : 30.0/22

+ sign 6.439 ± 1.253 χ^2/NDF : 80.2/41

All: 3.554 ± 0.900 χ^2/NDF : 136.3/83

- 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: 5600.814 $\pm$ 0.931 χ^2 /NDF: 282700.3/24

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

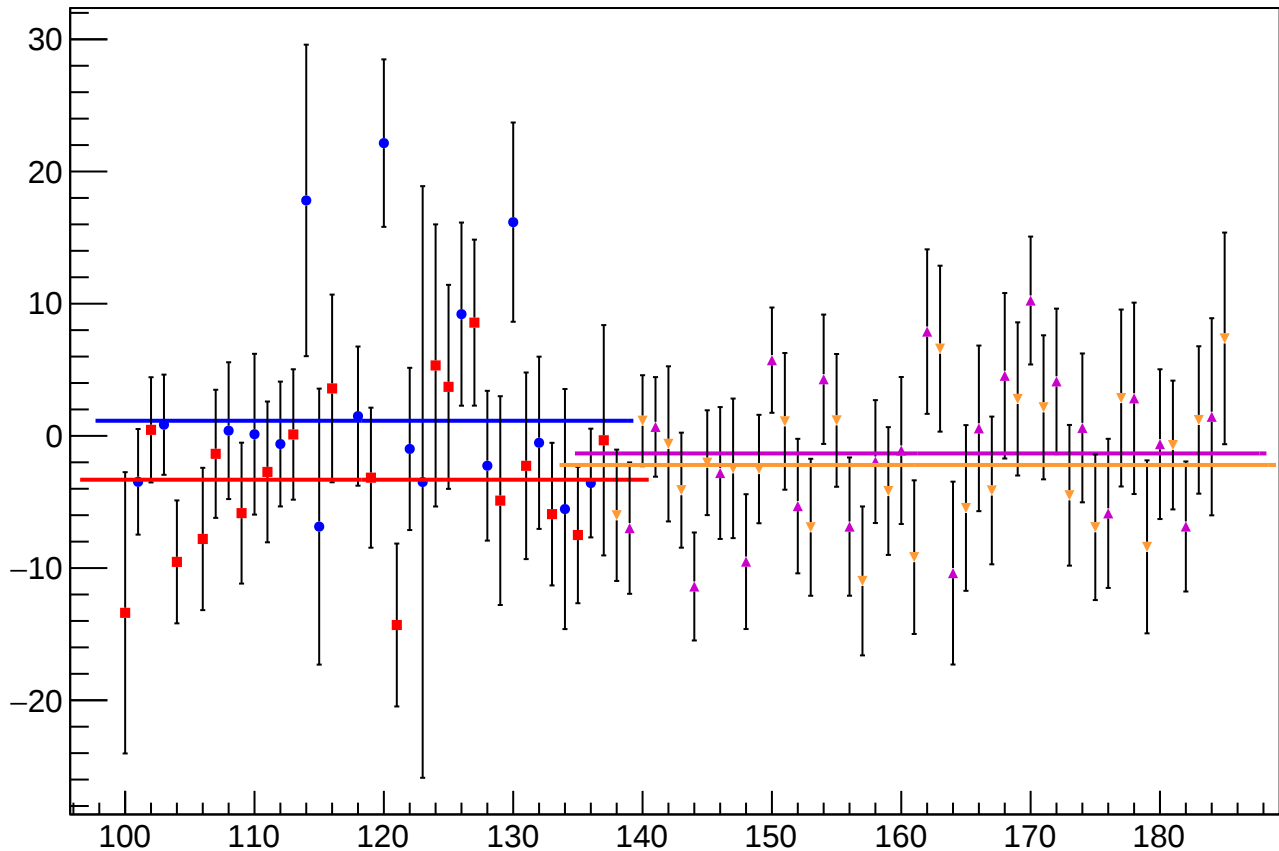
Left In: 5625.163 $\pm$ 0.960 χ^2 /NDF: 272563.5/22

+ sign 6024.991 $\pm$ 0.886 χ^2 /NDF: 3472672.6/41

All: 6071.420 $\pm$ 0.636 χ^2 /NDF: 7370577.5/83

- 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: -2.199 ± 1.035 χ^2/NDF : 15.5/24

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

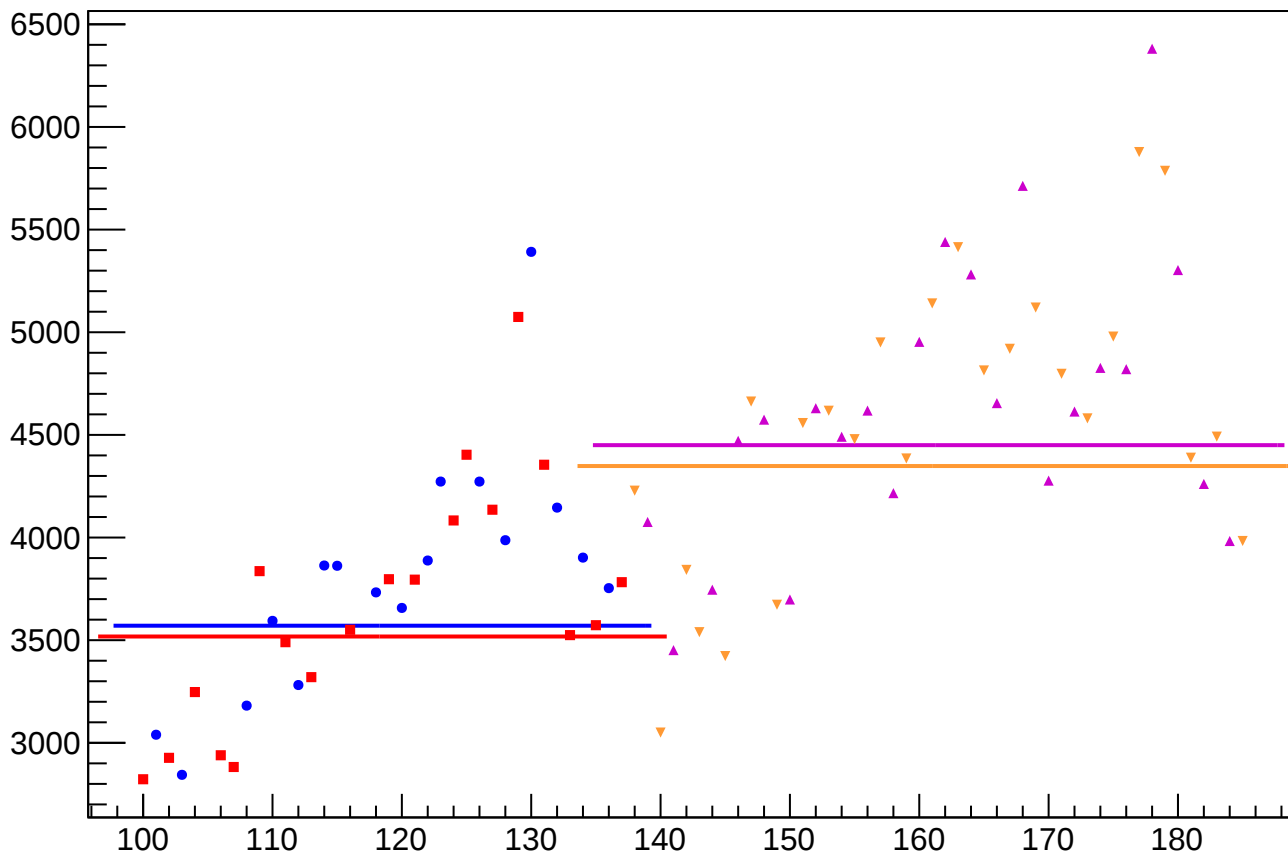
Left In: -1.328 ± 1.082 χ^2/NDF : 30.6/22

+ sign -1.016 ± 0.832 χ^2/NDF : 42.1/41

All: -1.560 ± 0.591 χ^2/NDF : 90.4/83

- 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: 4348.331 $\pm$ 0.732 χ^2 /NDF: 985778.6/24

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

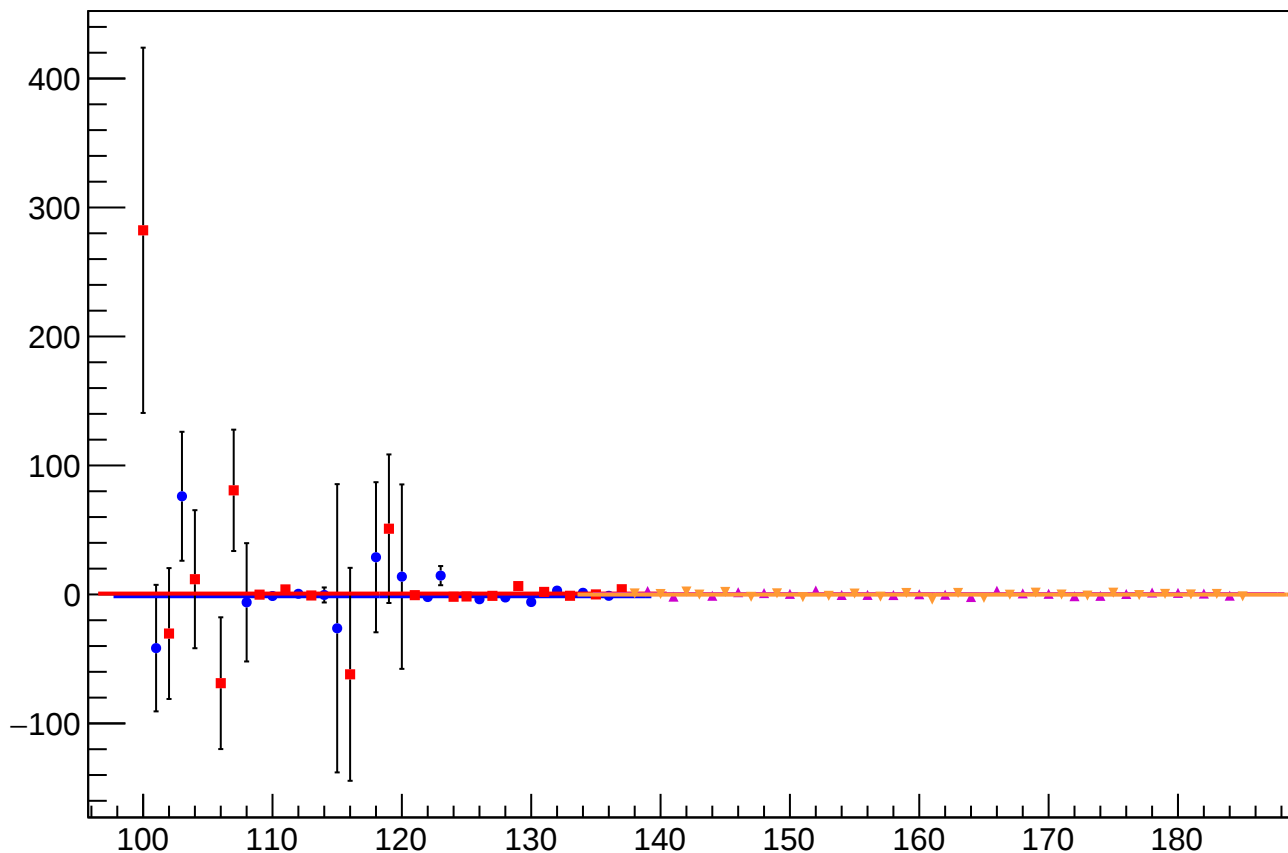
Left In: 4450.007 $\pm$ 0.765 χ^2 /NDF: 693229.8/22

+ sign 4073.002 $\pm$ 0.588 χ^2 /NDF: 1696276.1/41

All: 4076.745 $\pm$ 0.418 χ^2 /NDF: 3273998.4/83

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

diff_bpm1p02bX_mean vs Slug



Right In: -1.402 $\pm$ 0.751 χ^2/NDF : 16.7/16

Left Out: -0.099 $\pm$ 0.250 χ^2/NDF : 34.3/24

Right Out: 0.664 $\pm$ 0.713 χ^2/NDF : 21.5/18

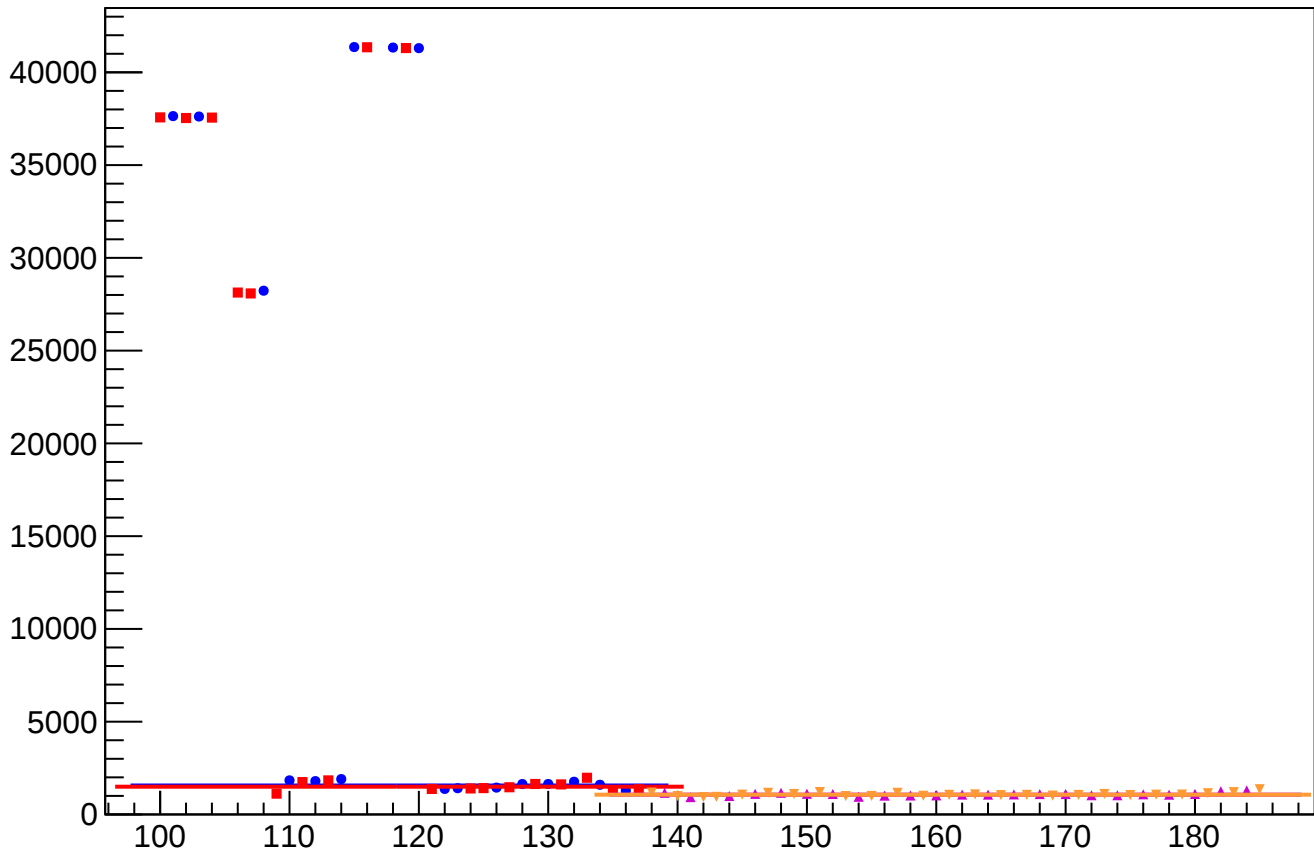
Left In: 0.259 $\pm$ 0.257 χ^2/NDF : 27.2/22

+ sign -0.229 $\pm$ 0.237 χ^2/NDF : 53.8/41

All: 0.033 $\pm$ 0.169 χ^2/NDF : 105.2/83

- sign 0.306 $\pm$ 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: 1065.086 $\pm$ 0.177 χ^2 /NDF: 185897.5/24

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

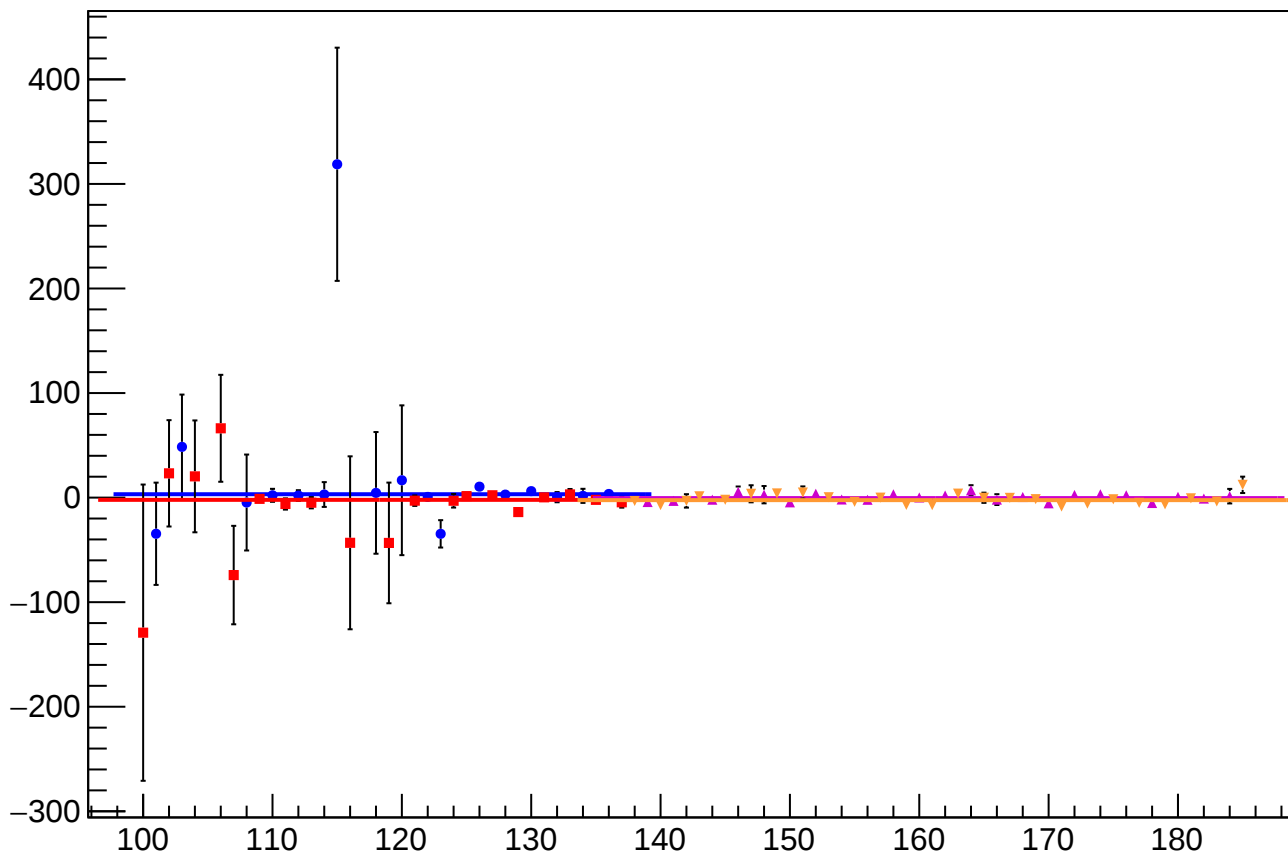
Left In: 1066.255 $\pm$ 0.182 χ^2 /NDF: 164232.1/22

+ sign 1114.516 $\pm$ 0.168 χ^2 /NDF: 5723524.2/41

All: 1115.092 $\pm$ 0.120 χ^2 /NDF: 11425240.7/8

- 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: -2.410 $\pm$ 0.812 χ^2/NDF : 21.0/24

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

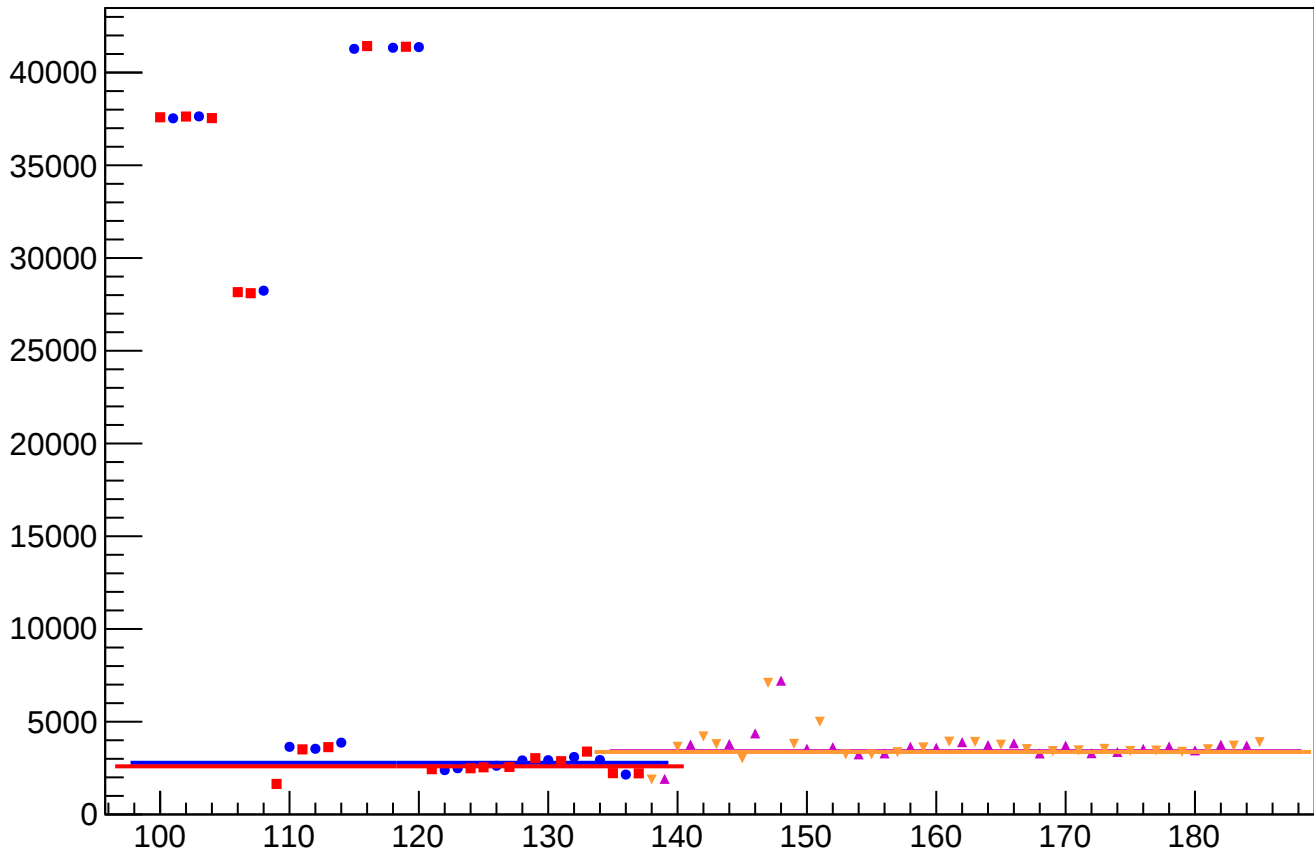
Left In: -0.468 $\pm$ 0.843 χ^2/NDF : 15.5/22

+ sign -0.873 $\pm$ 0.693 χ^2/NDF : 56.4/41

All: -0.934 $\pm$ 0.491 χ^2/NDF : 89.6/83

- 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: 3370.229 $\pm$ 0.574 χ^2 /NDF: 1652207.6/24

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

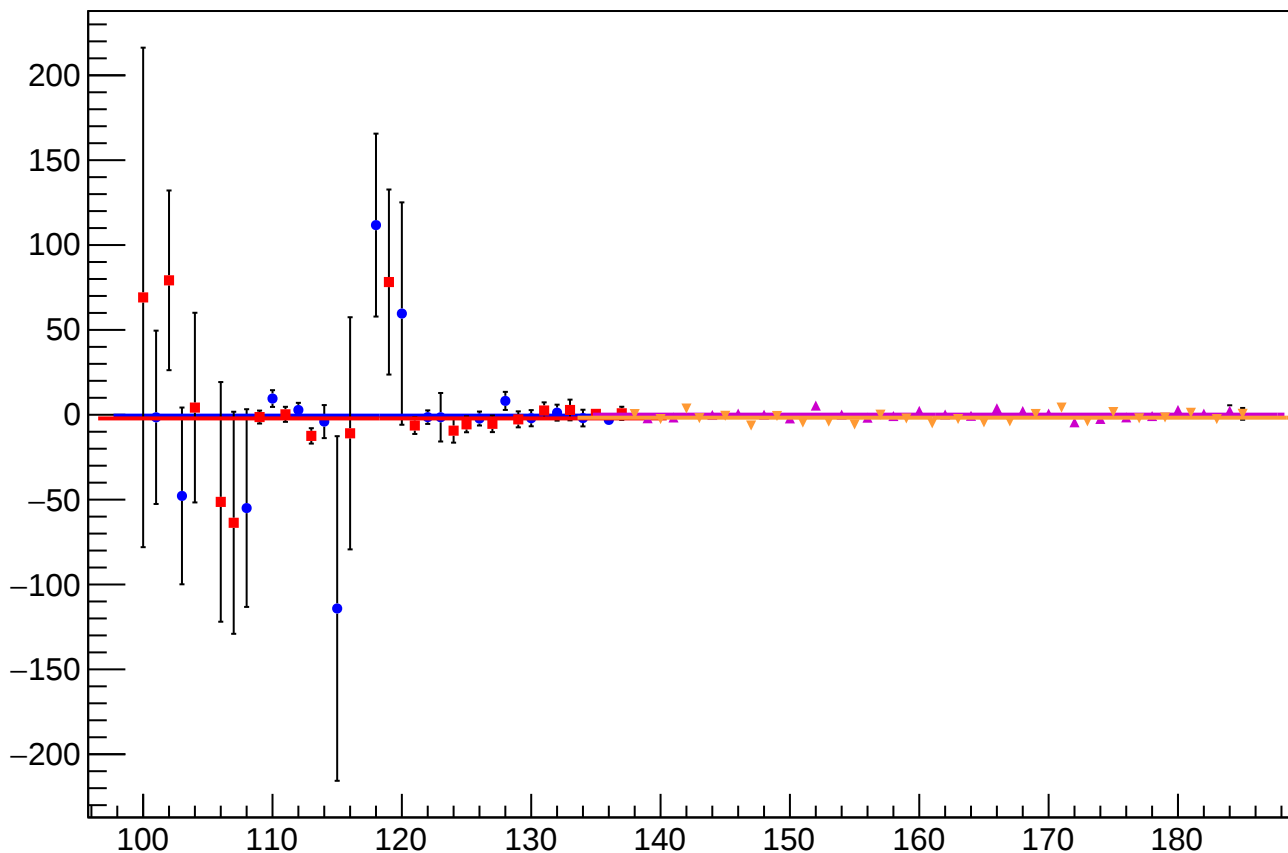
Left In: 3411.924 $\pm$ 0.596 χ^2 /NDF: 1434523.7/22

+ sign 3211.107 $\pm$ 0.490 χ^2 /NDF: 6510512.1/41

All: 3182.311 $\pm$ 0.347 χ^2 /NDF: 13396288.3/8

- 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: -1.715 ± 0.390 χ^2/NDF : 45.7/24

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

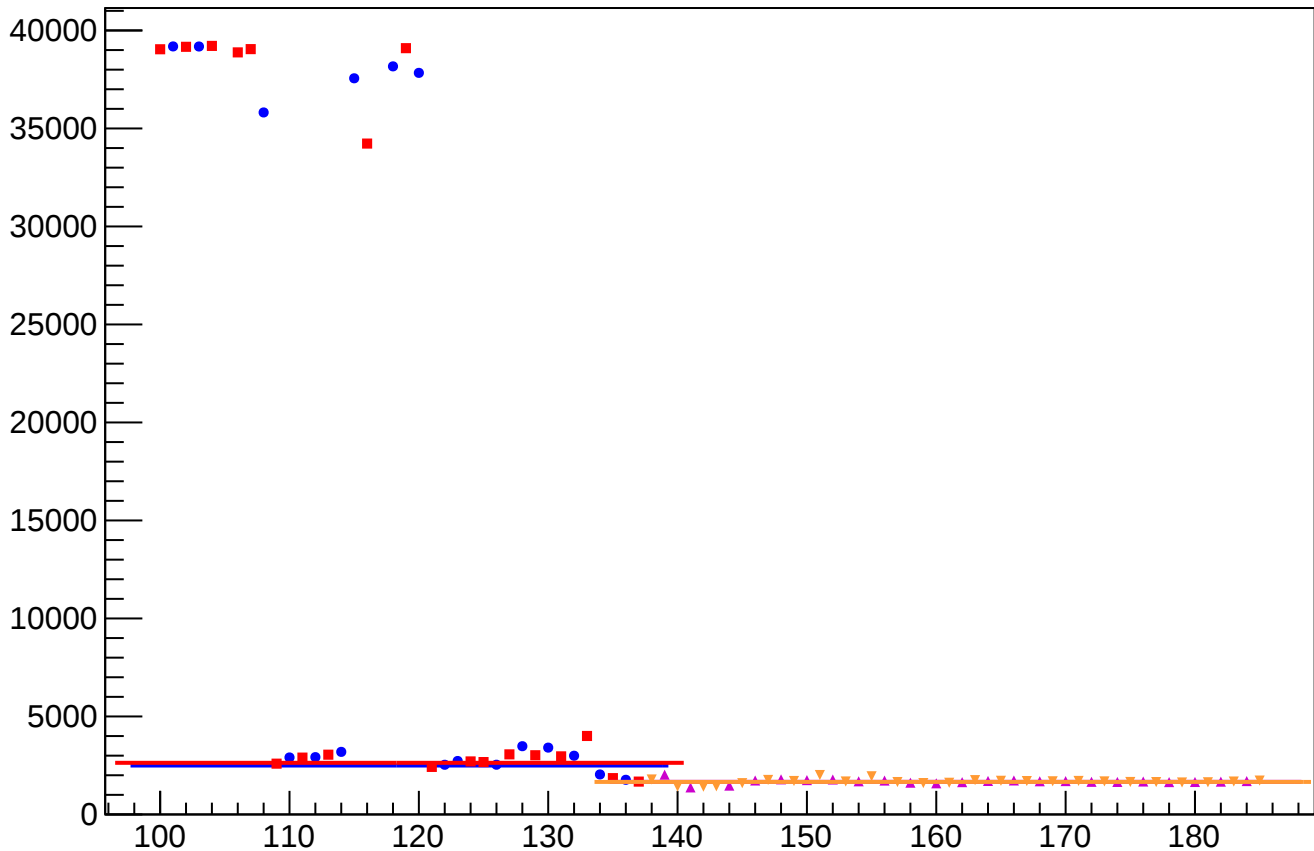
Left In: 0.072 ± 0.401 χ^2/NDF : 28.2/22

+ sign -1.604 ± 0.371 χ^2/NDF : 64.5/41

All: -0.891 ± 0.266 χ^2/NDF : 120.8/83

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

diff_bpm1p03aX_rms vs Slug



Right In: 2496.856 $\pm$ 0.864 χ^2 /NDF: 4887806.1/16

Left Out: 1659.816 $\pm$ 0.276 χ^2 /NDF: 216509.8/24

Right Out: 2634.601 $\pm$ 0.884 χ^2 /NDF: 4861733.2/18

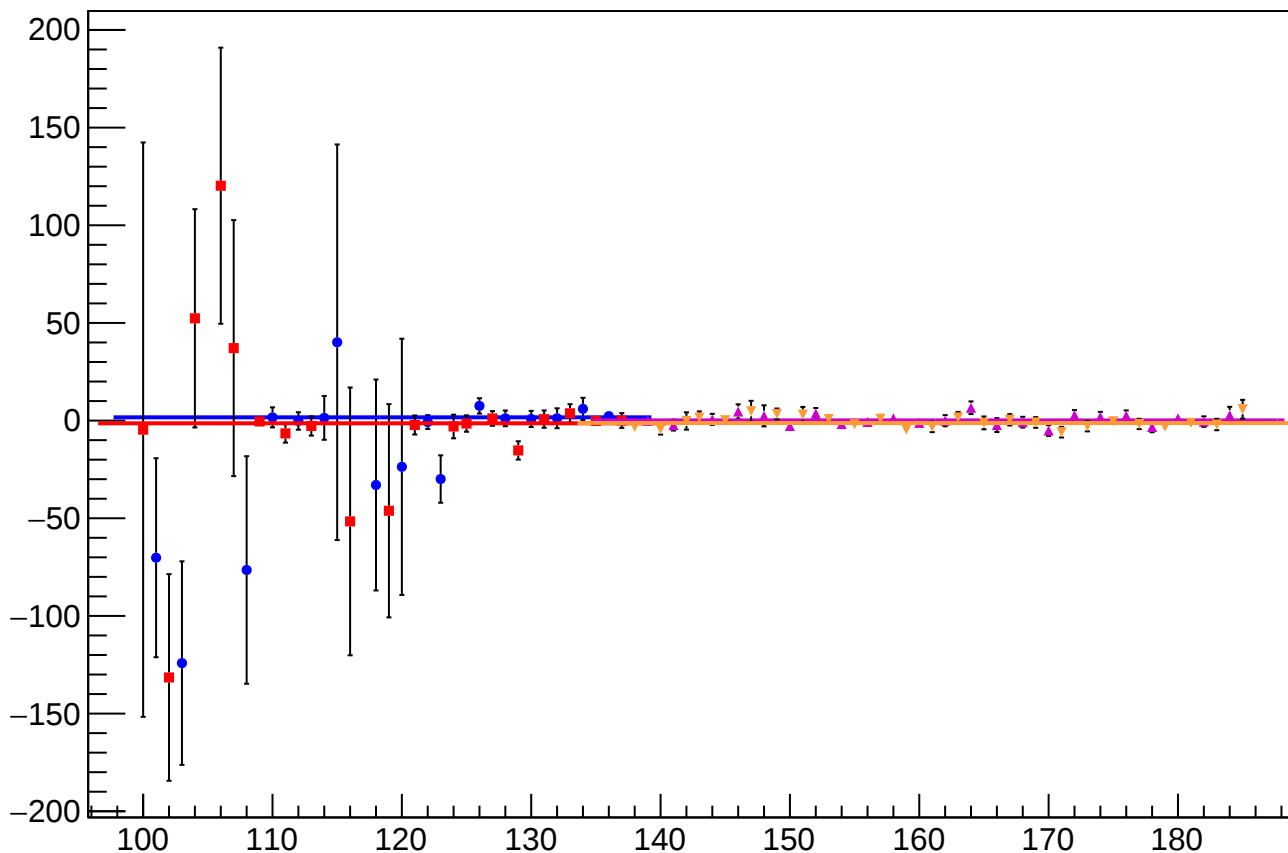
Left In: 1663.620 $\pm$ 0.284 χ^2 /NDF: 178858.2/22

+ sign 1737.102 $\pm$ 0.263 χ^2 /NDF: 5956212.6/41

All: 1745.431 $\pm$ 0.188 χ^2 /NDF: 12093018.4/8

- sign 1754.242 $\pm$ 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: -1.251 ± 0.536 χ^2/NDF : 21.3/24

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

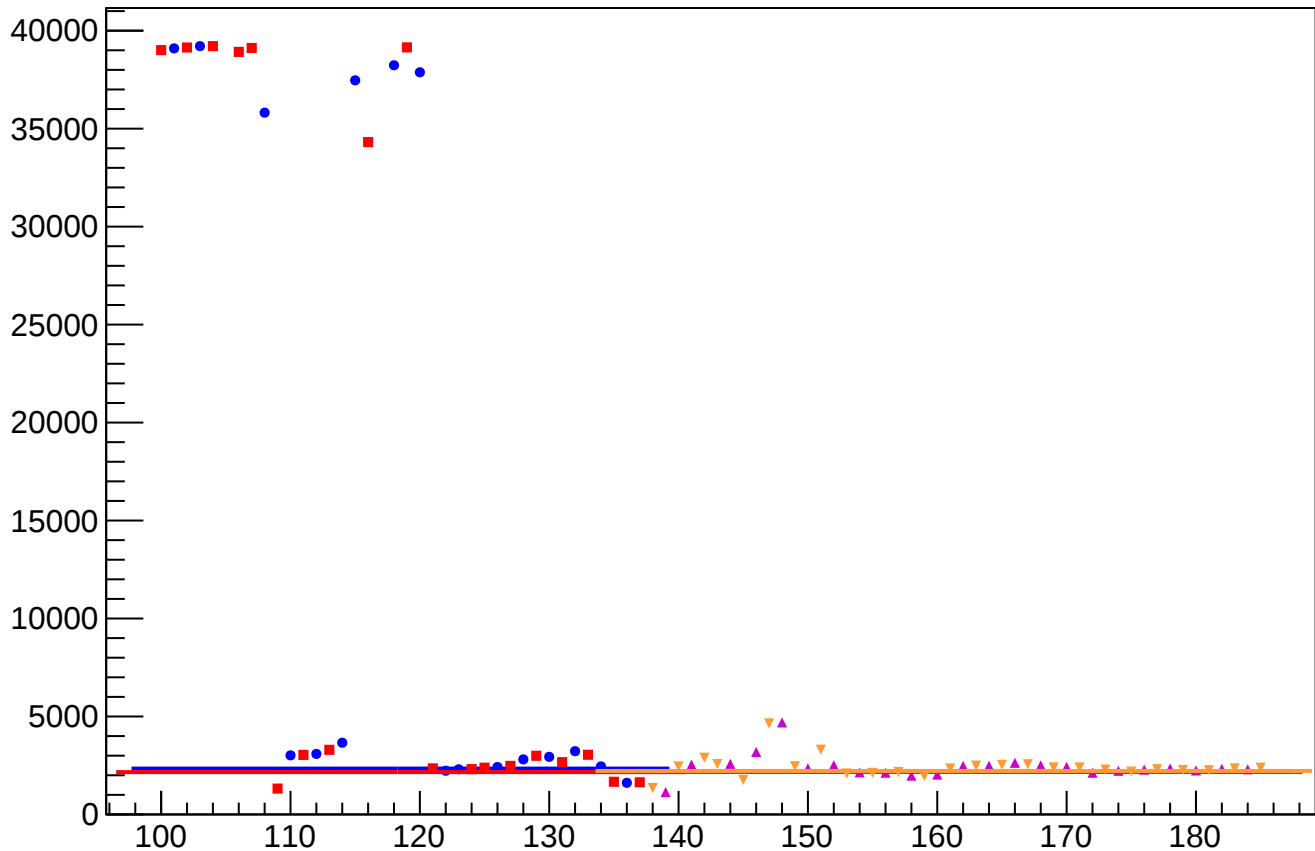
Left In: 0.098 ± 0.541 χ^2/NDF : 19.3/22

+ sign -0.727 ± 0.486 χ^2/NDF : 47.4/41

All: -0.464 ± 0.342 χ^2/NDF : 92.8/83

- 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: 2220.315+/-0.379 χ^2/NDF : 1416179.5/24

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

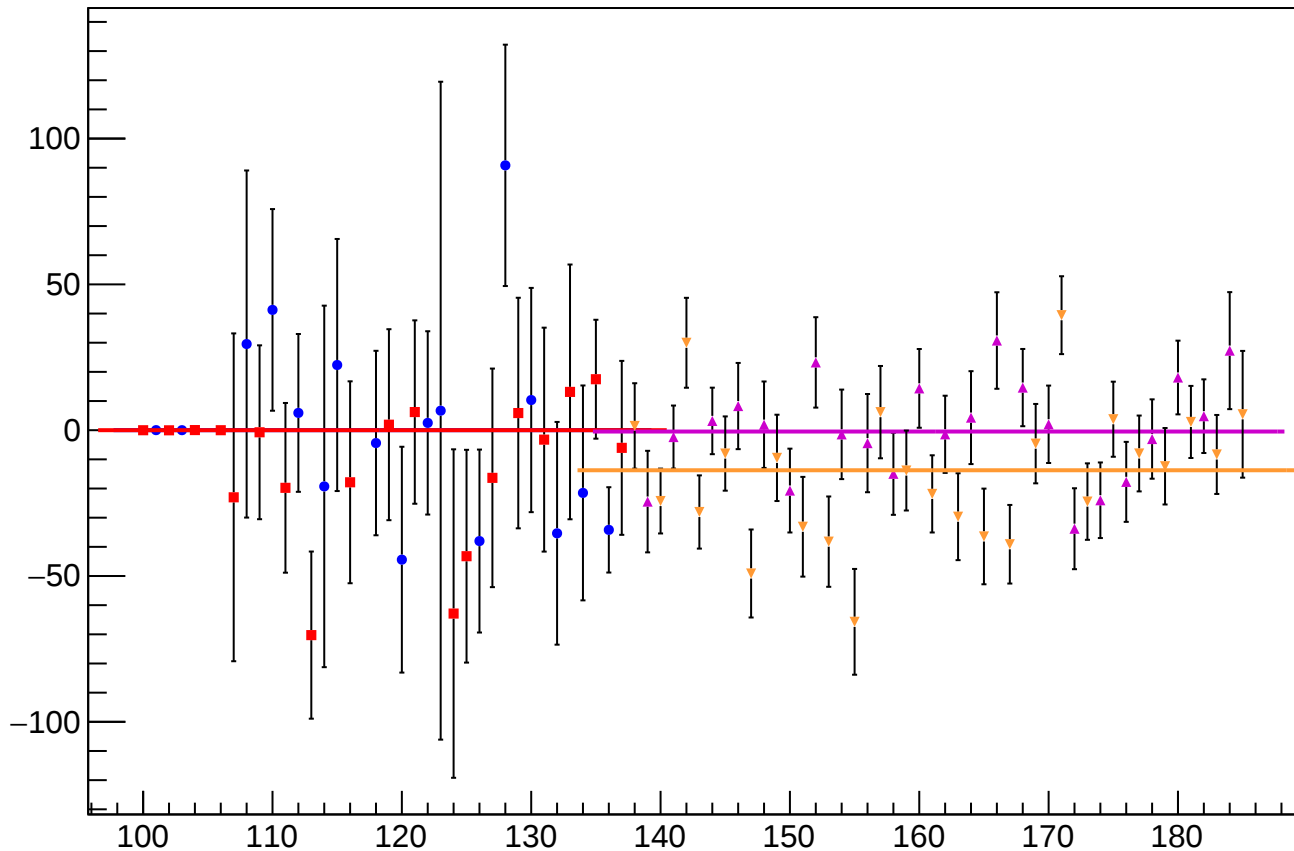
Left In: 2169.443+/-0.383 χ^2/NDF : 1974869.8/22

+ sign 2242.029+/-0.343 χ^2/NDF : 6440919.3/41

All: 2204.645+/-0.242 χ^2/NDF : 13741202.8/8

- 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: -13.738 ± 2.812 χ^2/NDF : 59.4/24

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

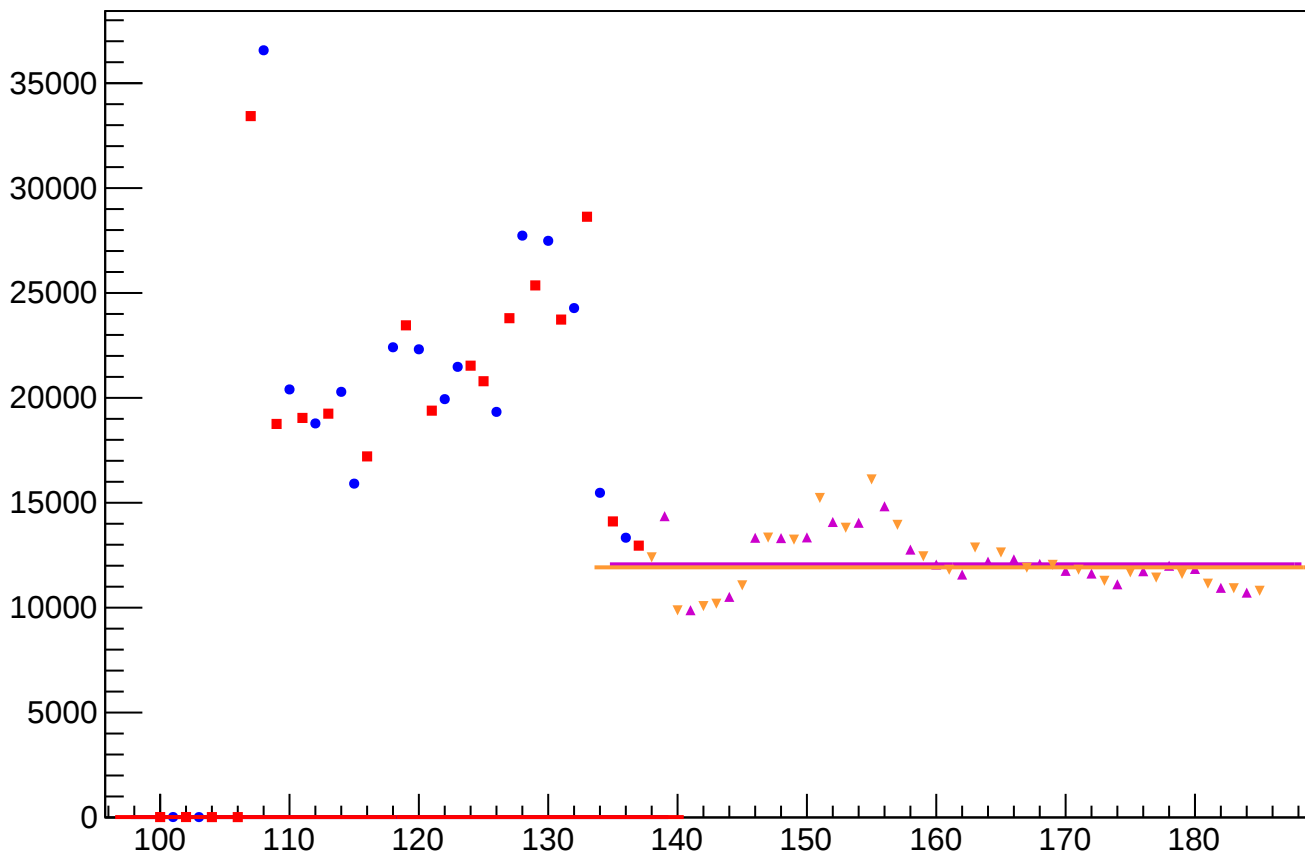
Left In: -0.459 ± 2.917 χ^2/NDF : 29.0/22

+ sign 0.013 ± 0.017 χ^2/NDF : 100.0/41

All: 0.008 ± 0.012 χ^2/NDF : 144.6/83

- 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: 11921.725+/-1.988 χ^2/NDF : 472371.7/24

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

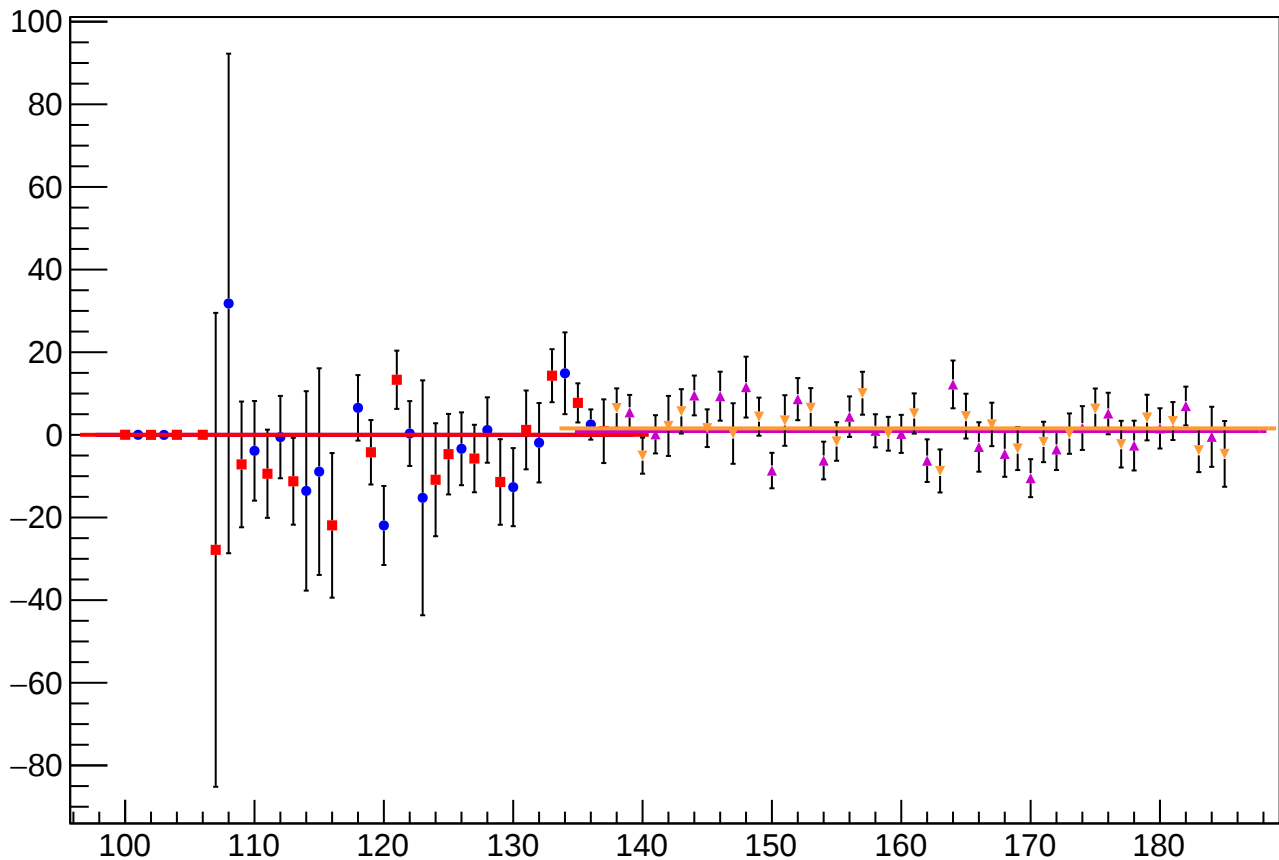
Left In: 12064.761+/-2.062 χ^2/NDF : 368452.5/22

+ sign 19.094+/-0.012 χ^2/NDF : 47259335.5/41

All: 18.870+/-0.008 χ^2/NDF : 92807714.5/83

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

diff_cav4bY_mean vs Slug



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

Left Out: 1.567 ± 1.025 χ^2/NDF : 18.4/24

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

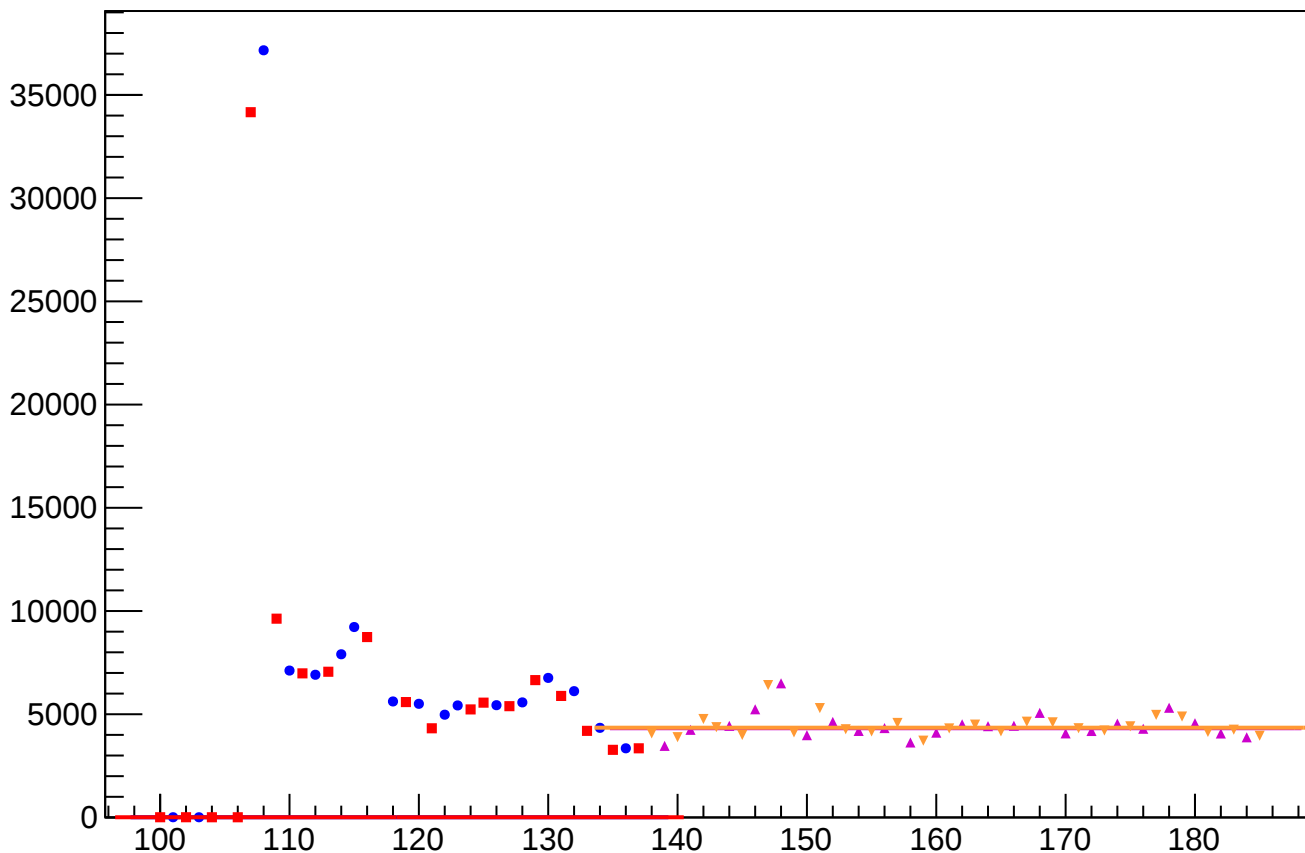
Left In: 0.939 ± 1.049 χ^2/NDF : 35.6/22

+ sign 0.001 ± 0.009 χ^2/NDF : 33.6/41

All: 0.008 ± 0.006 χ^2/NDF : 89.8/83

- sign 0.014 ± 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: 4347.993 $\pm$ 0.725 χ^2 /NDF: 383668.1/24

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

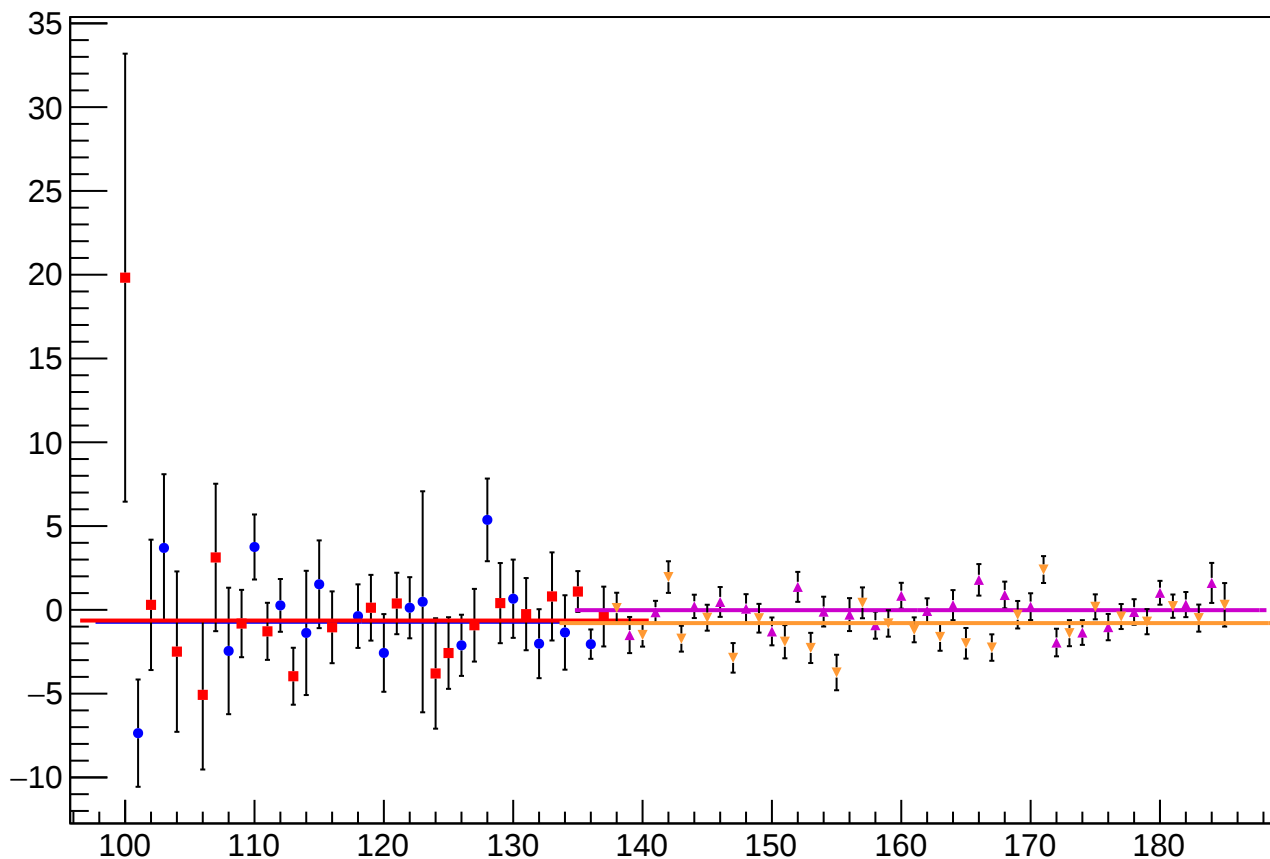
Left In: 4321.572 $\pm$ 0.741 χ^2 /NDF: 514603.2/22

+ sign 10.288 $\pm$ 0.007 χ^2 /NDF: 47270854.8/41

All: 10.214 $\pm$ 0.004 χ^2 /NDF: 92718242.7/83

- 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: -0.790 ± 0.165 χ^2/NDF : 59.4/24

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

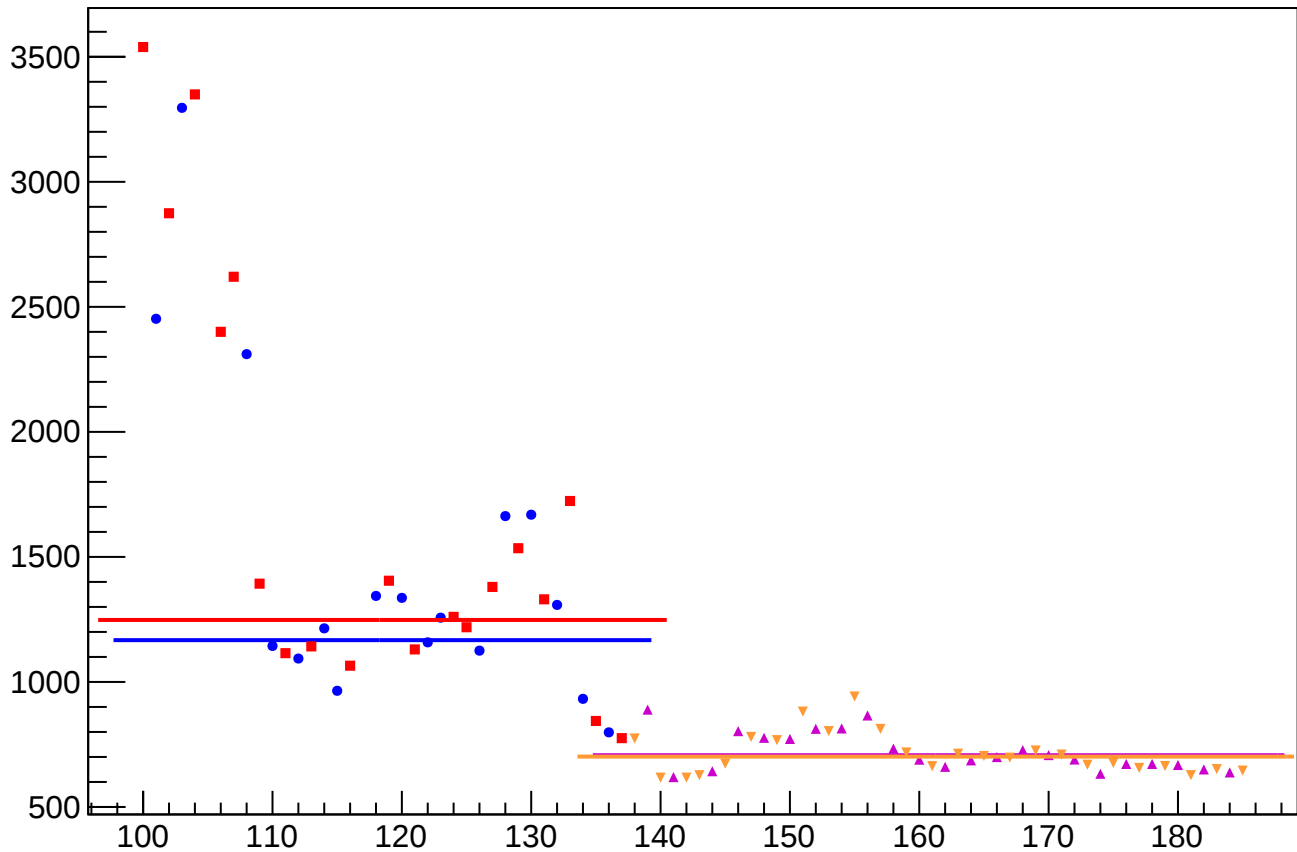
Left In: -0.018 ± 0.171 χ^2/NDF : 29.4/22

+ sign -0.782 ± 0.156 χ^2/NDF : 82.1/41

All: -0.444 ± 0.112 χ^2/NDF : 135.7/83

- 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: 701.416+/-0.117 χ^2/NDF : 391030.1/24

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

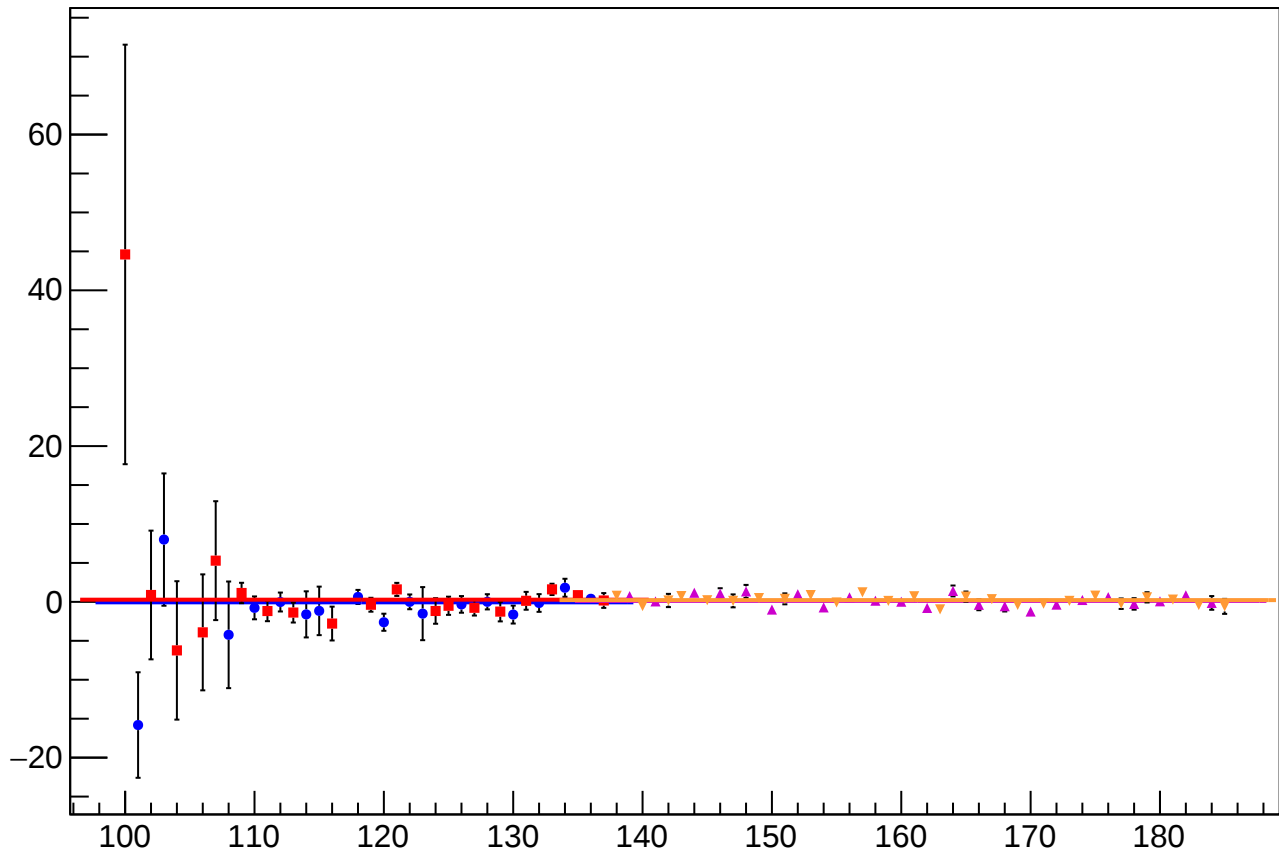
Left In: 706.971+/-0.121 χ^2/NDF : 332011.4/22

+ sign 750.158+/-0.111 χ^2/NDF : 3635132.7/41

All: 756.453+/-0.079 χ^2/NDF : 7712517.8/83

- 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: 0.224 ± 0.123 χ^2/NDF : 18.0/24

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

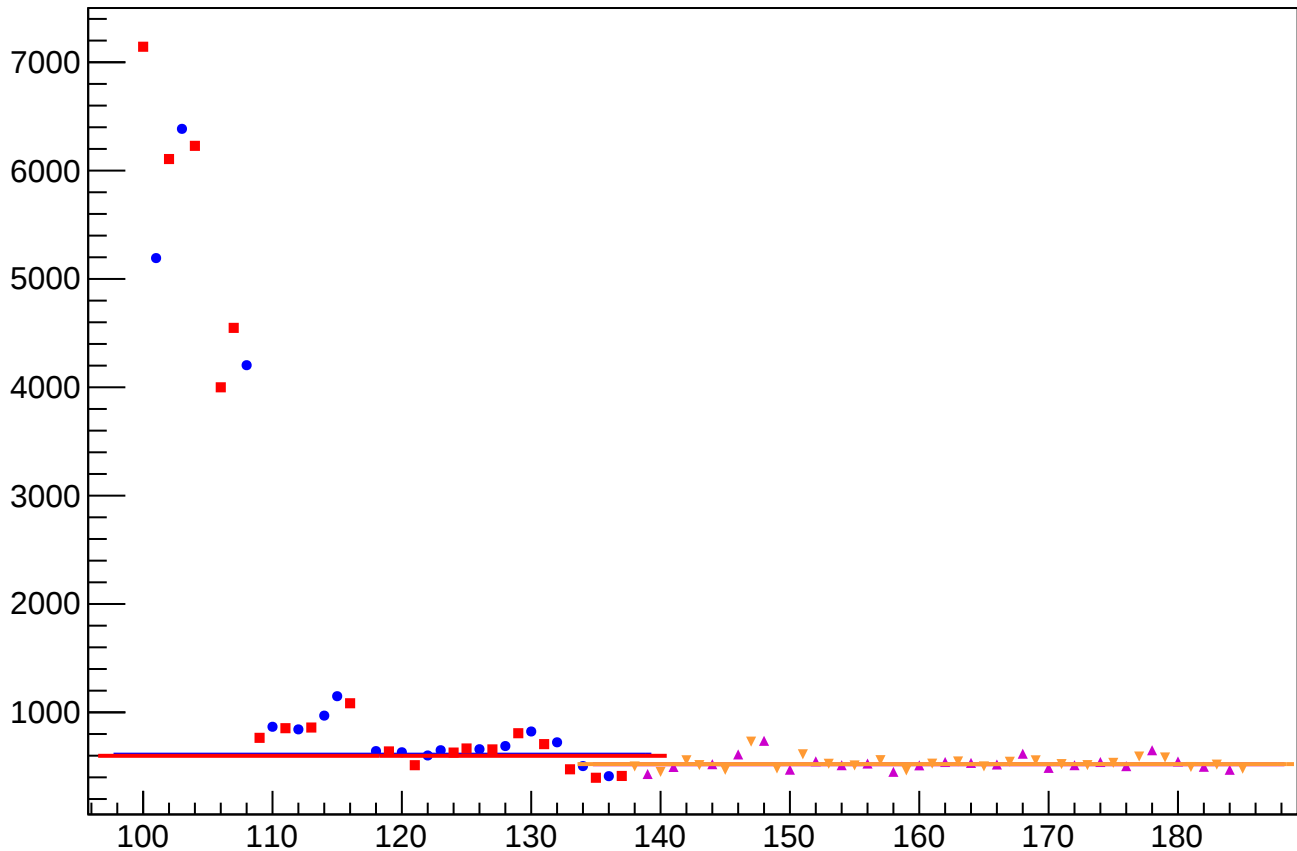
Left In: 0.126 ± 0.126 χ^2/NDF : 35.0/22

+ sign 0.175 ± 0.112 χ^2/NDF : 38.0/41

All: 0.165 ± 0.080 χ^2/NDF : 93.8/83

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

diff_cav4cY_rms vs Slug



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

Left Out: 522.162+/-0.087 χ^2/NDF : 330580.9/24

+ sign 537.240+/-0.079 χ^2/NDF : 3638825.6/41

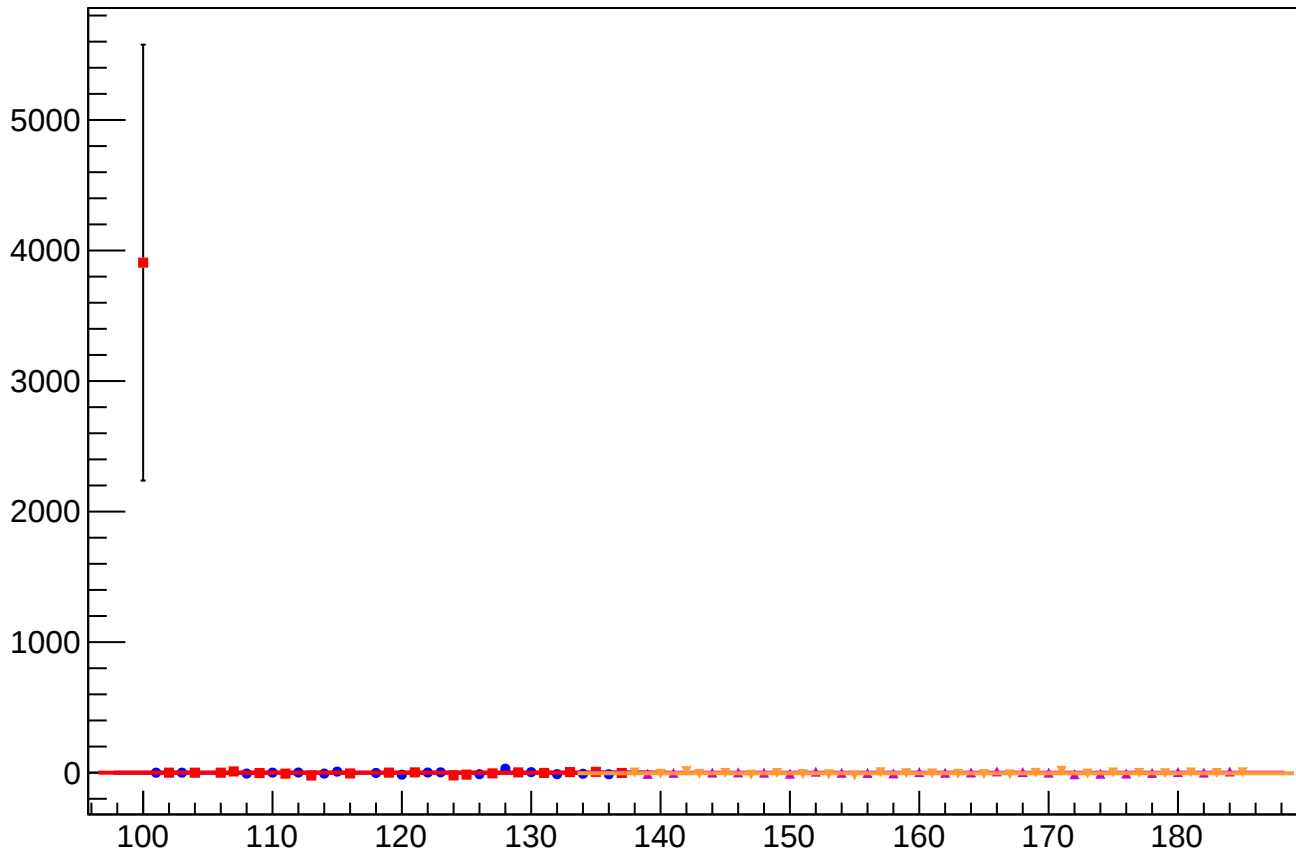
Right Out: 598.820+/-0.187 χ^2/NDF : 3552236.2/18

All: 536.230+/-0.056 χ^2/NDF : 7761319.5/83

Left In: 520.700+/-0.089 χ^2/NDF : 427720.5/22

- sign 535.183+/-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: -4.570 ± 0.961 χ^2/NDF : 59.3/24

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

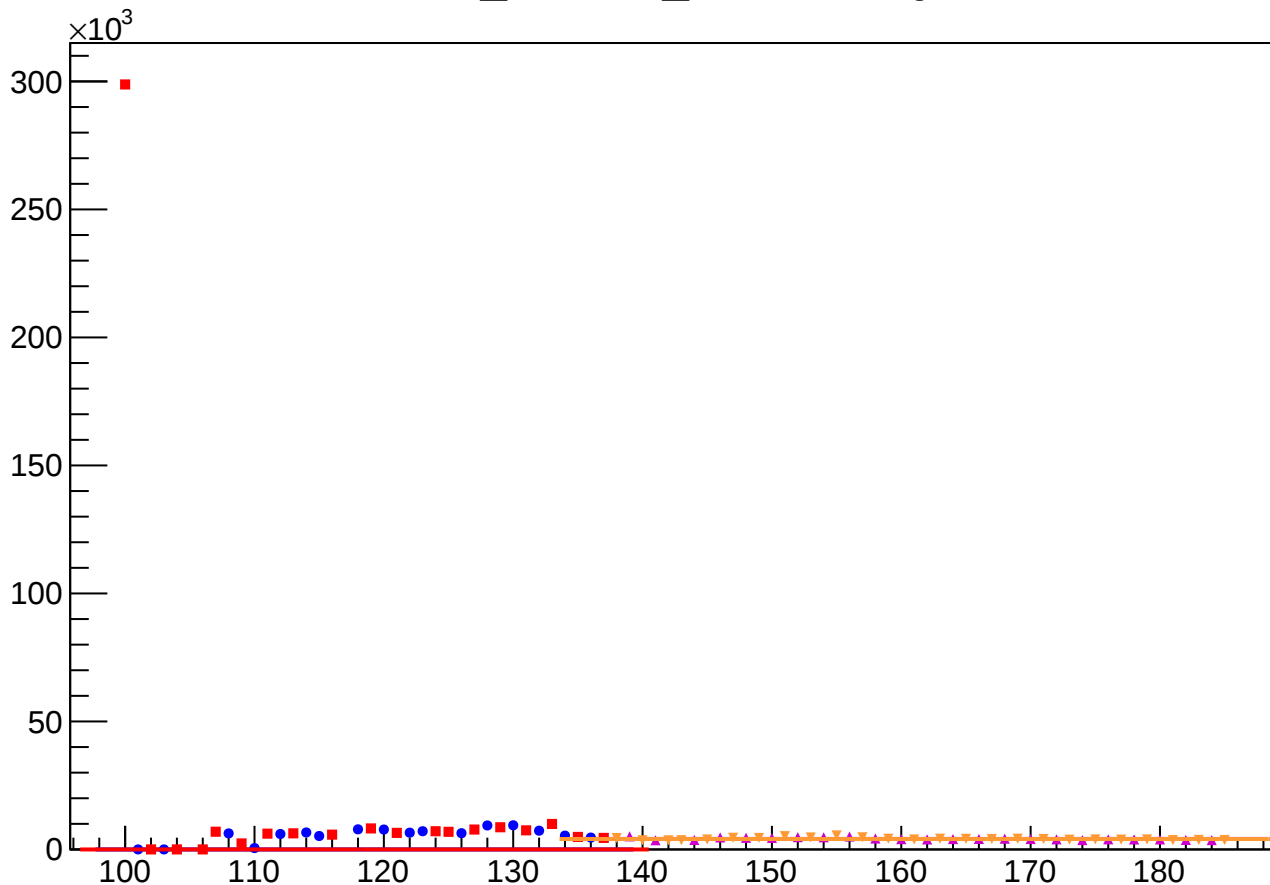
Left In: -0.183 ± 0.994 χ^2/NDF : 29.5/22

+ sign -0.024 ± 0.021 χ^2/NDF : 97.6/41

All: -0.025 ± 0.014 χ^2/NDF : 144.6/83

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

diff_cav4dX_rms vs Slug



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

Left Out: 4077.810 $\pm$ 0.679 χ^2 /NDF: 415512.1/24

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

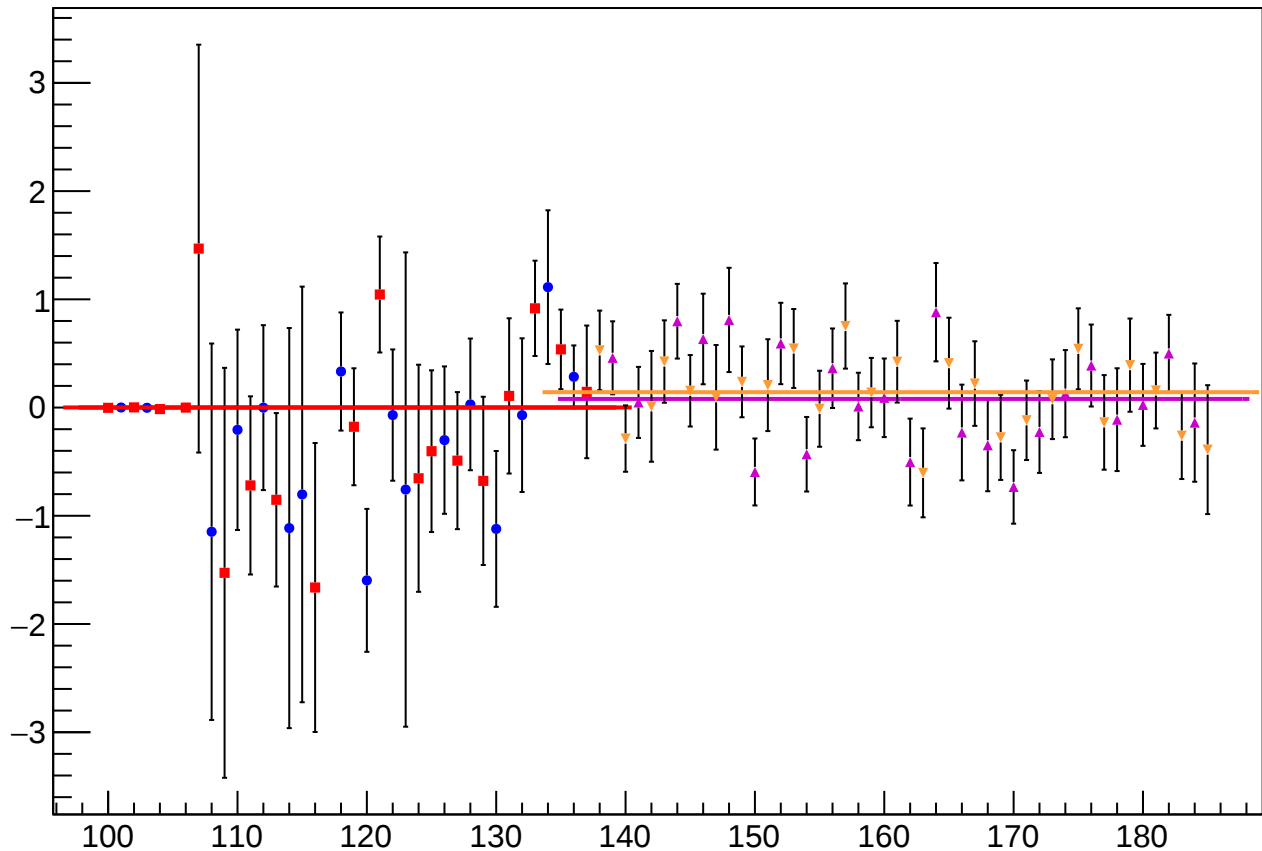
Left In: 4113.993 $\pm$ 0.703 χ^2 /NDF: 349160.6/22

+ sign 19.241 $\pm$ 0.015 χ^2 /NDF: 46586336.6/41

All: 19.056 $\pm$ 0.010 χ^2 /NDF: 91665630.7/83

- sign 18.888 $\pm$ 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: 0.142 ± 0.077 χ^2/NDF : 17.3/24

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

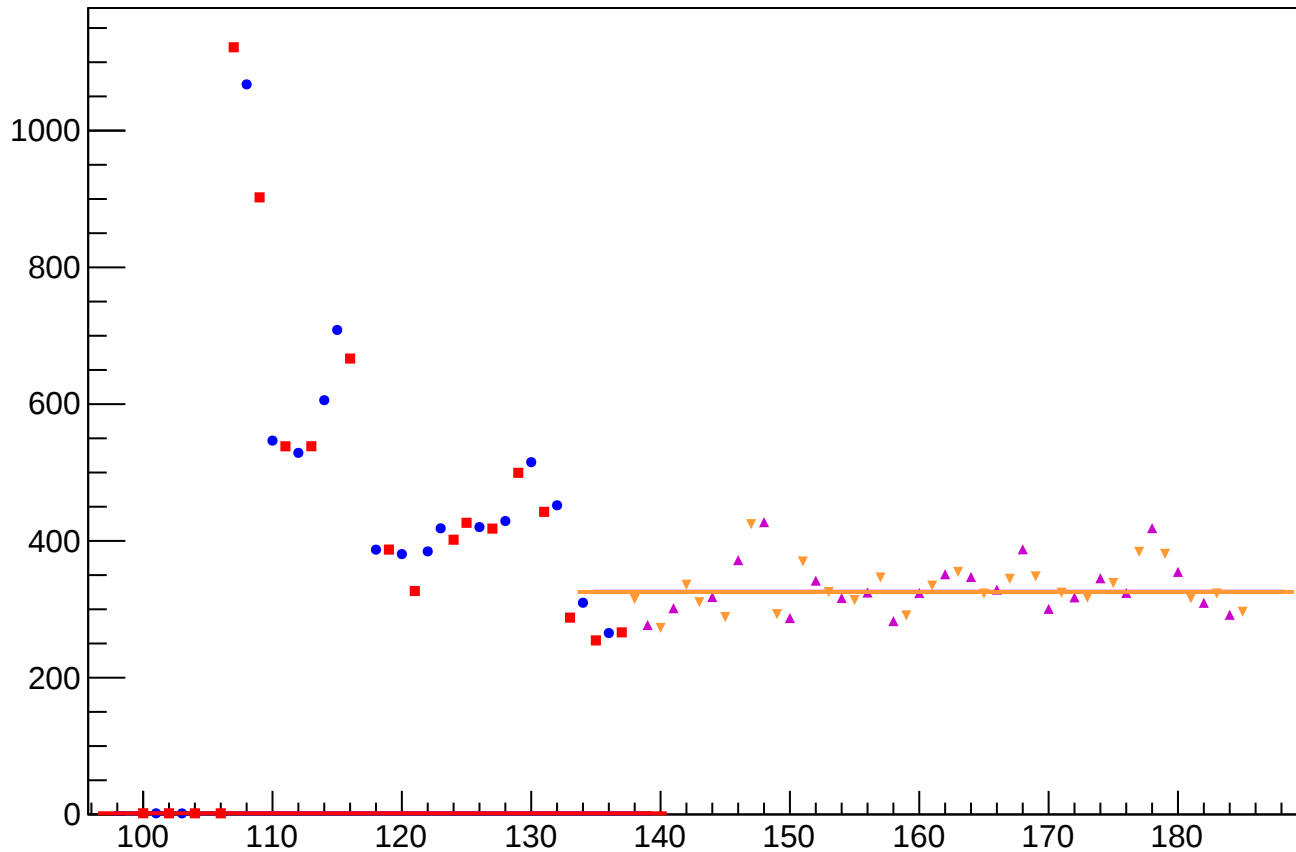
Left In: 0.080 ± 0.079 χ^2/NDF : 34.6/22

+ sign 0.000 ± 0.002 χ^2/NDF : 34.3/41

All: 0.001 ± 0.001 χ^2/NDF : 88.2/83

- 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: 325.342 $\pm$ 0.054 χ^2 /NDF: 347990.3/24

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

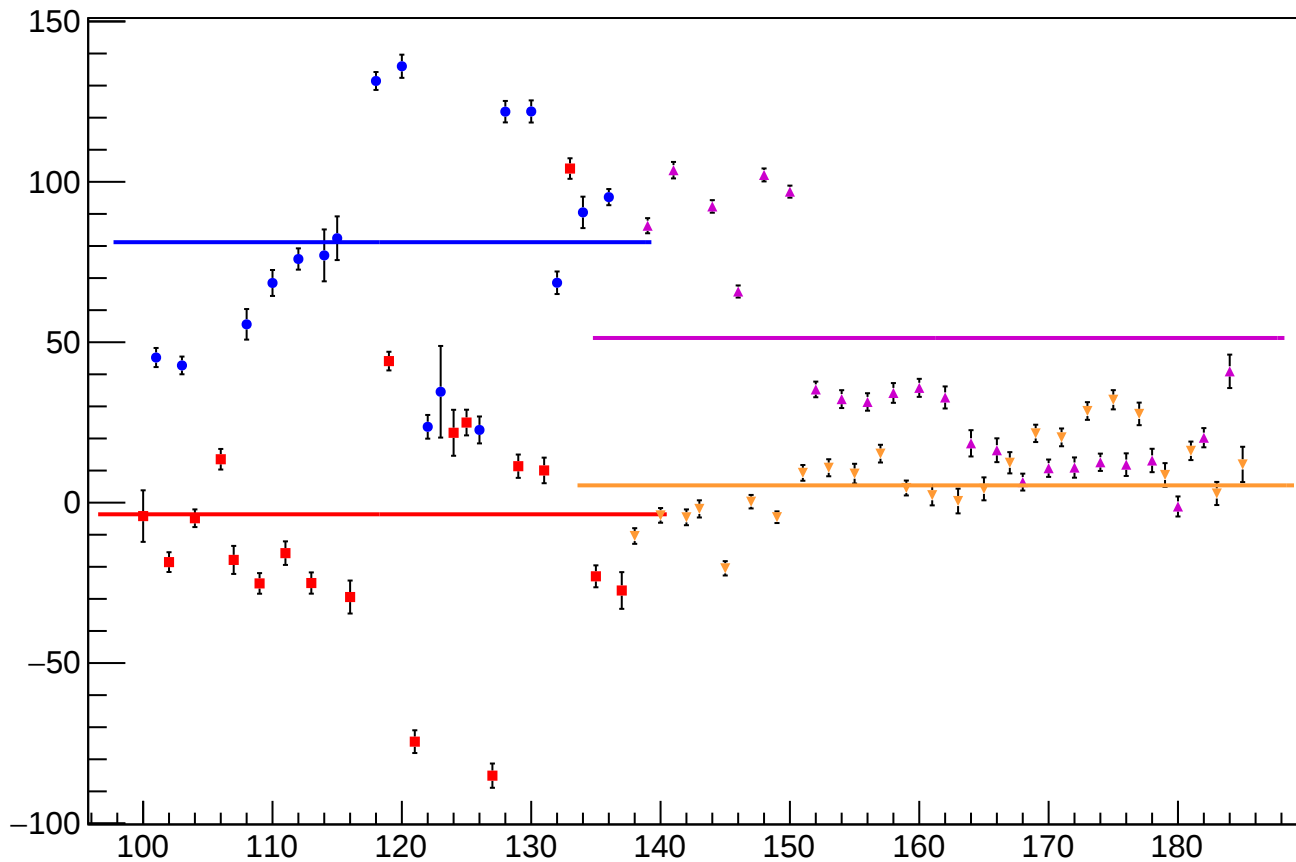
Left In: 325.626 $\pm$ 0.056 χ^2 /NDF: 413350.0/22

+ sign 1.925 $\pm$ 0.001 χ^2 /NDF: 46996137.8/41

All: 1.924 $\pm$ 0.001 χ^2 /NDF: 91831900.0/83

- 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: 5.386 ± 0.546 χ^2/NDF : 551.9/24

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

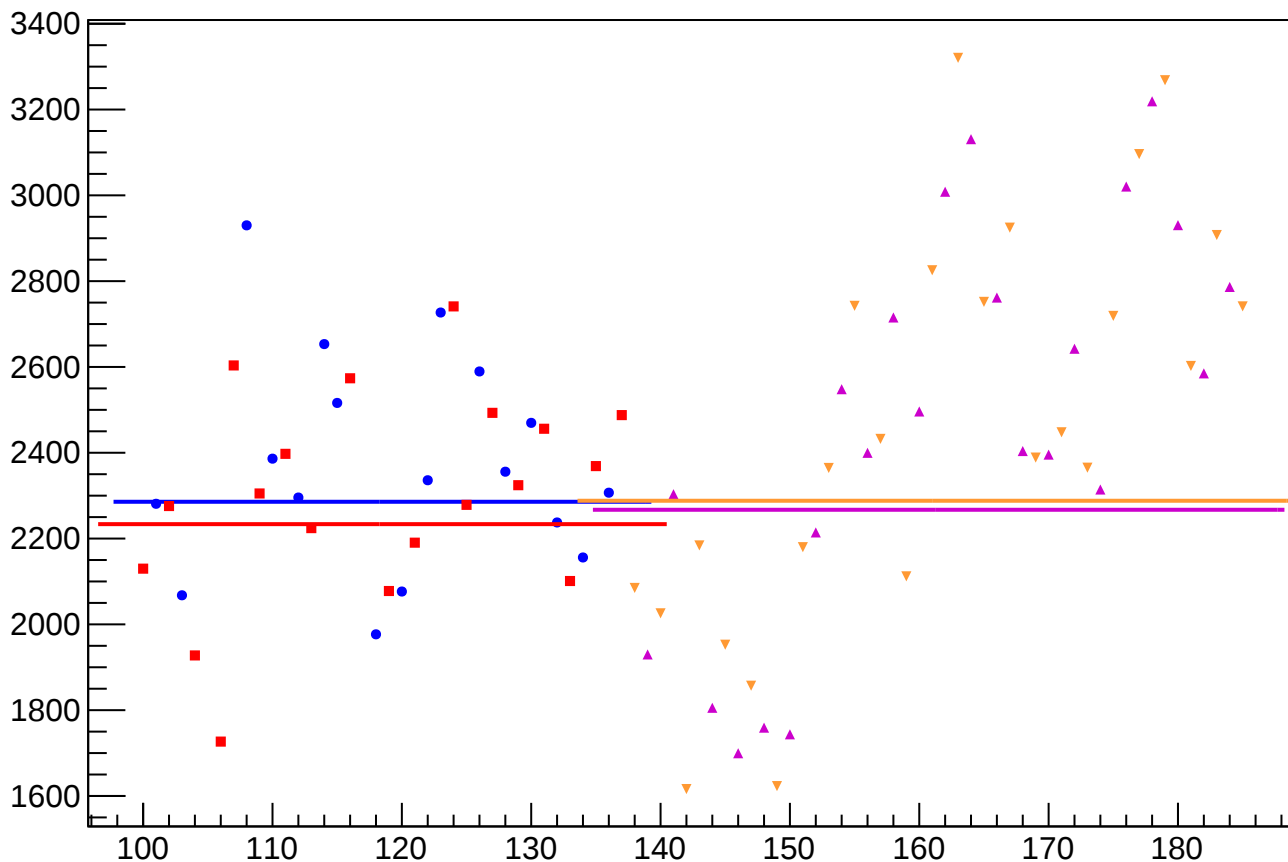
Left In: 51.328 ± 0.558 χ^2/NDF : 4257.8/22

+ sign 26.220 ± 0.465 χ^2/NDF : 7563.7/41

All: 30.403 ± 0.329 χ^2/NDF : 17526.2/83

- 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: 2288.128 $\pm$ 0.386 χ^2 /NDF:1358782.4/24

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

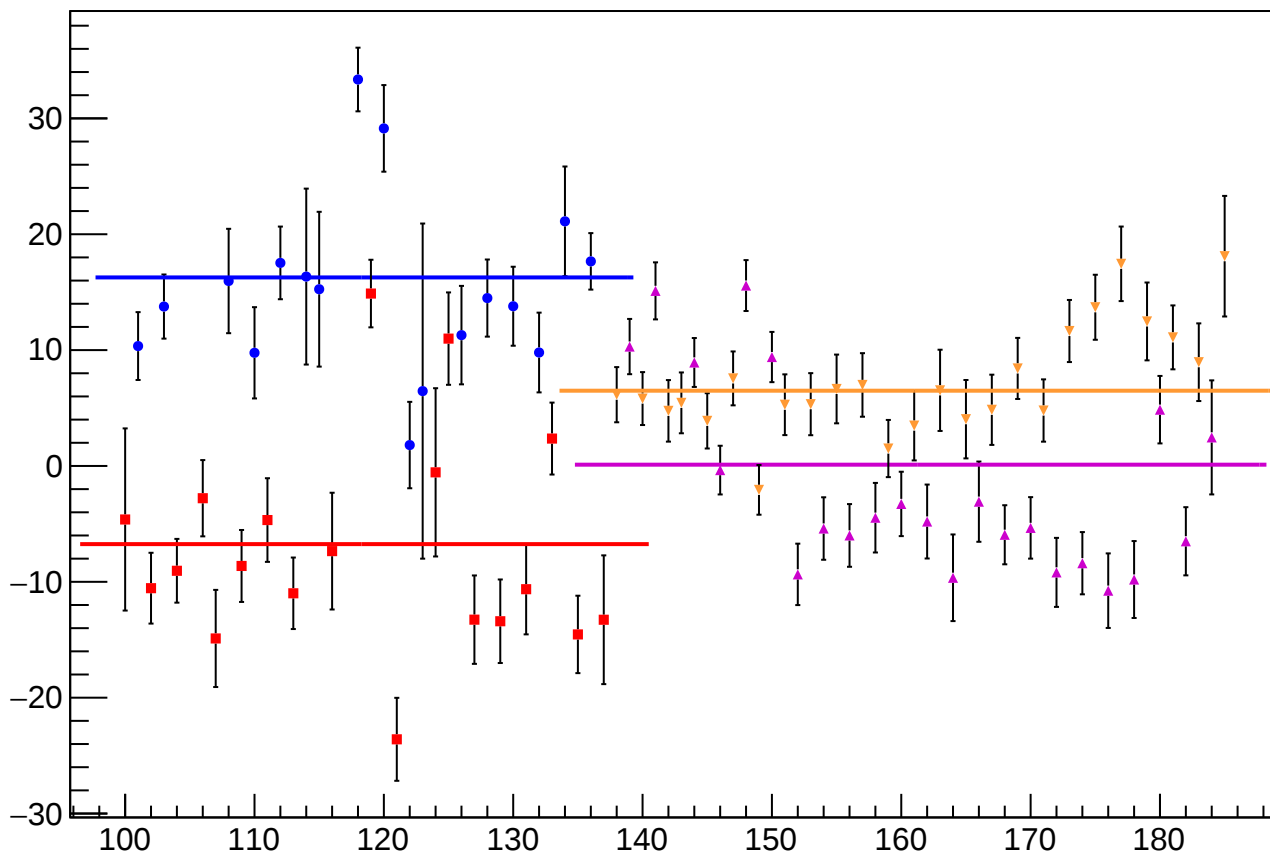
Left In: 2267.097 $\pm$ 0.395 χ^2 /NDF:1313364.4/22

+ sign 2287.476 $\pm$ 0.329 χ^2 /NDF: 1467951.8/41

All: 2272.206 $\pm$ 0.233 χ^2 /NDF: 2934881.3/83

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

diff_bpm0i01Y_mean vs Slug



Right In: 16.273 $\pm$ 0.873 χ^2 /NDF: 81.0/16

Left Out: 6.496 $\pm$ 0.550 χ^2 /NDF:58.7/24

Right Out: -6.745 $\pm$ 0.832 χ^2 /NDF: 130.5/18

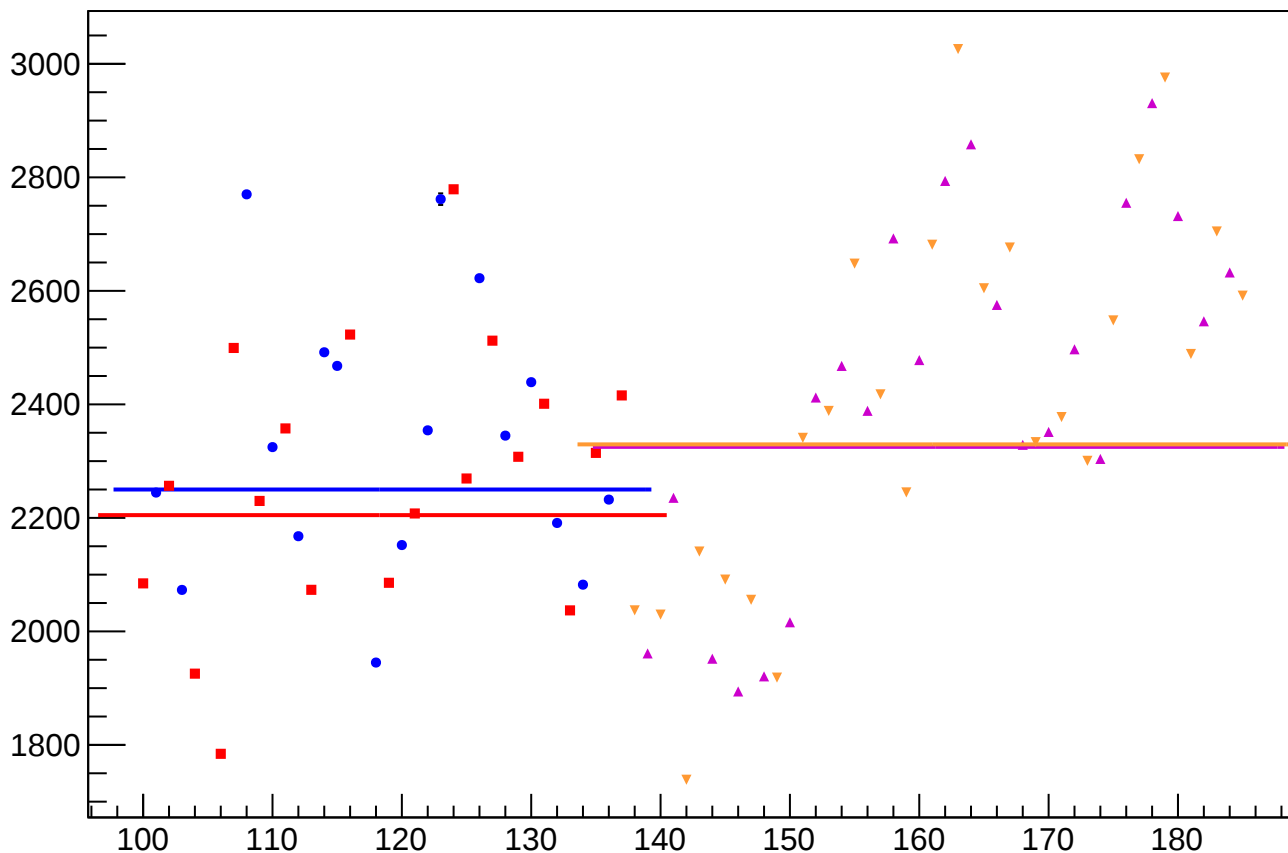
Left In: 0.110 $\pm$ 0.565 χ^2 /NDF:234.6/22

+ sign 9.273 $\pm$ 0.465 χ^2 /NDF: 229.4/41

All: 3.637 $\pm$ 0.330 χ^2 /NDF: 935.9/83

- sign -2.054 $\pm$ 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: 2329.509 $\pm$ 0.389 χ^2 /NDF: 642009.2/24

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

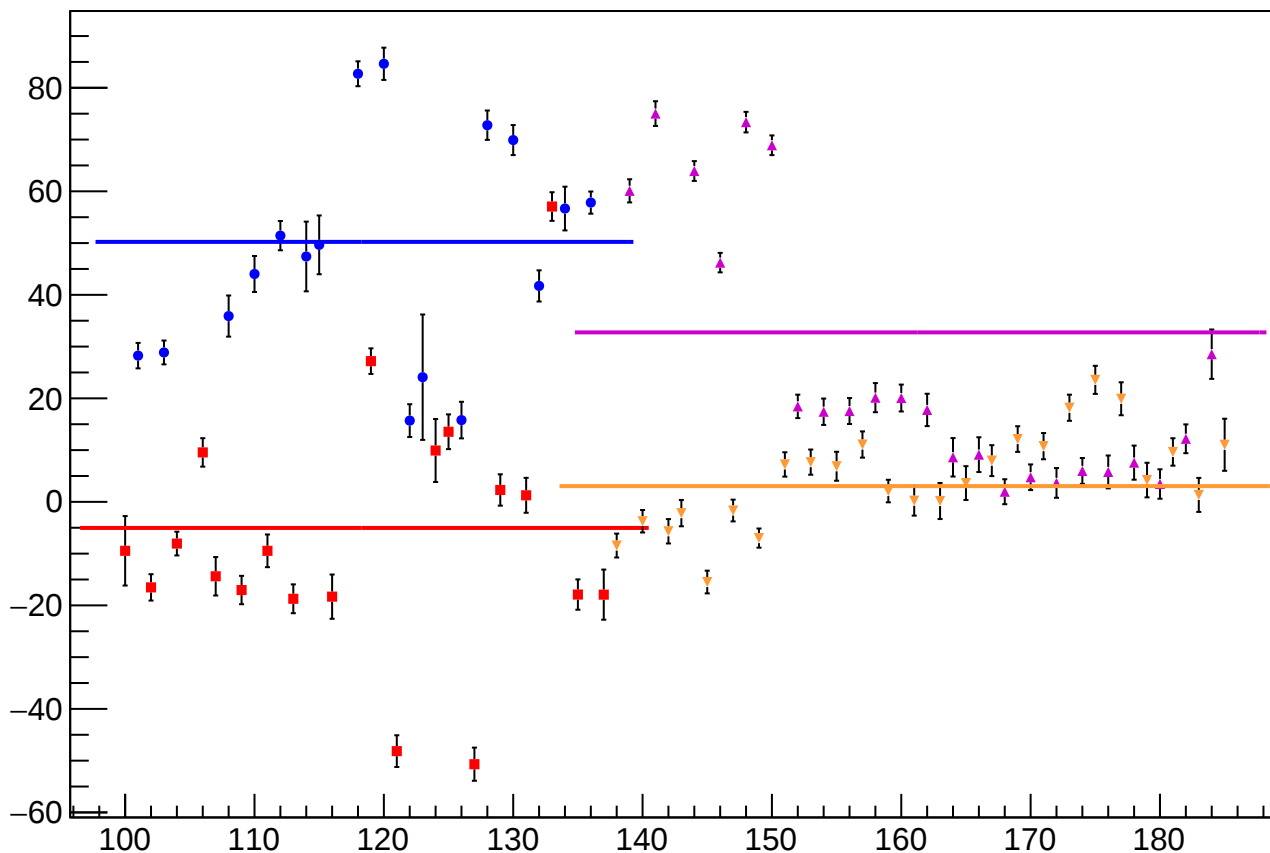
Left In: 2325.175 $\pm$ 0.400 χ^2 /NDF: 610729.2/22

+ sign 2306.926 $\pm$ 0.329 χ^2 /NDF: 751390.9/41

All: 2297.111 $\pm$ 0.233 χ^2 /NDF: 1518953.3/83

- 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: 3.045 $\pm$ 0.514 χ^2 /NDF:334.7/24

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

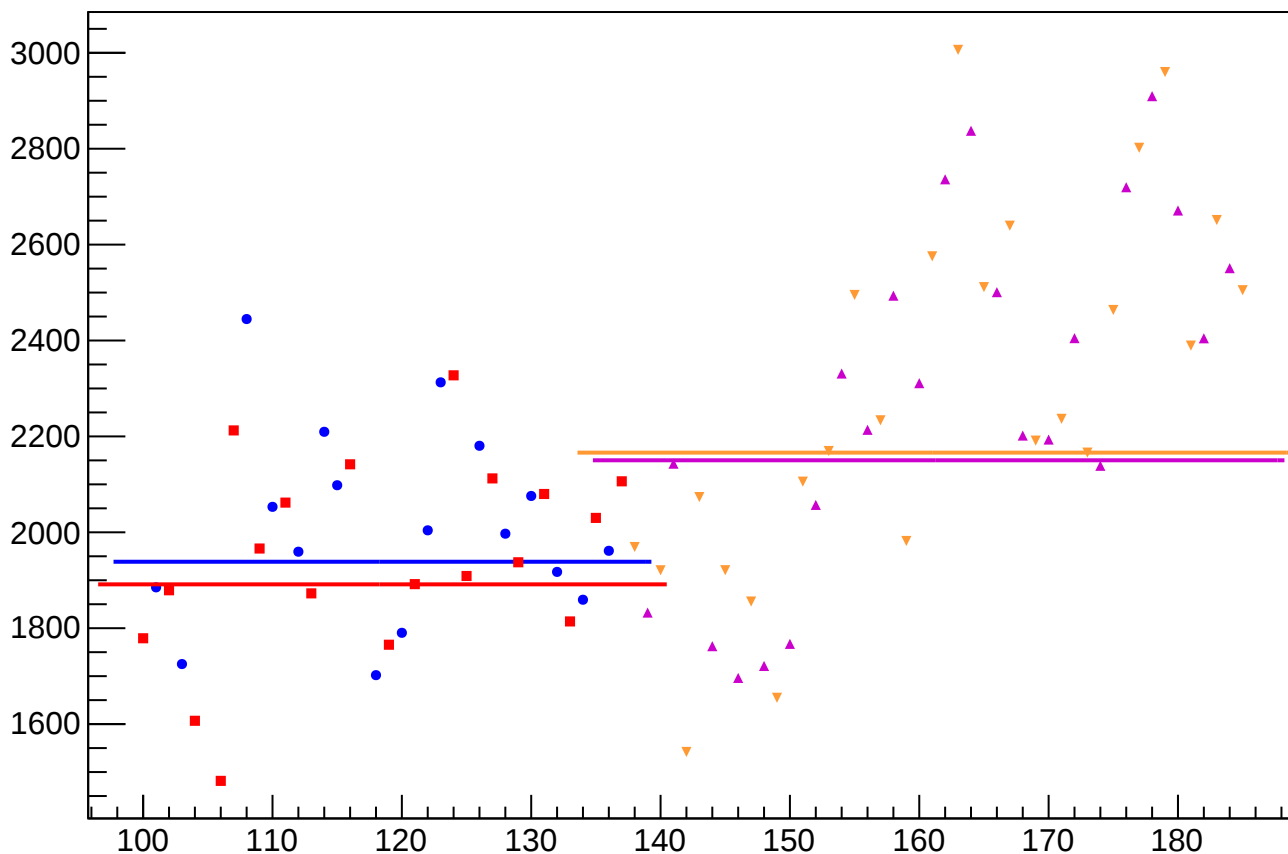
Left In: 32.745 $\pm$ 0.526 χ^2 /NDF:2632.5/22

+ sign 18.064 $\pm$ 0.424 χ^2 /NDF: 3855.7/41

All: 18.766 $\pm$ 0.300 χ^2 /NDF: 9565.6/83

- 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: 2166.202+/-0.363 χ^2/NDF : 963321.9/24

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

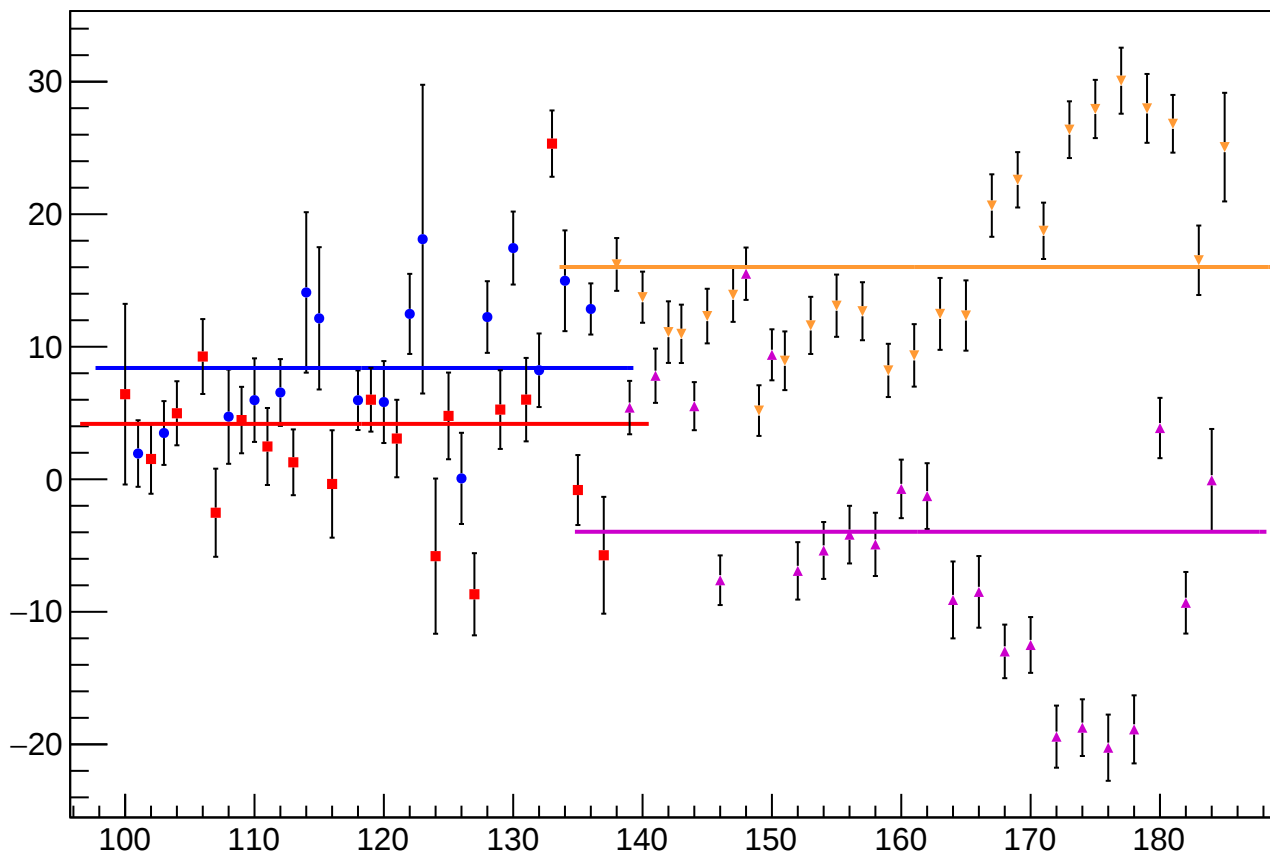
Left In: 2150.190+/-0.372 χ^2/NDF : 911849.7/22

+ sign 2093.758+/-0.300 χ^2/NDF : 1188183.8/41

All: 2076.474+/-0.212 χ^2/NDF : 2423411.9/83

- 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: 16.017 ± 0.449 χ^2/NDF : 243.4/24

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

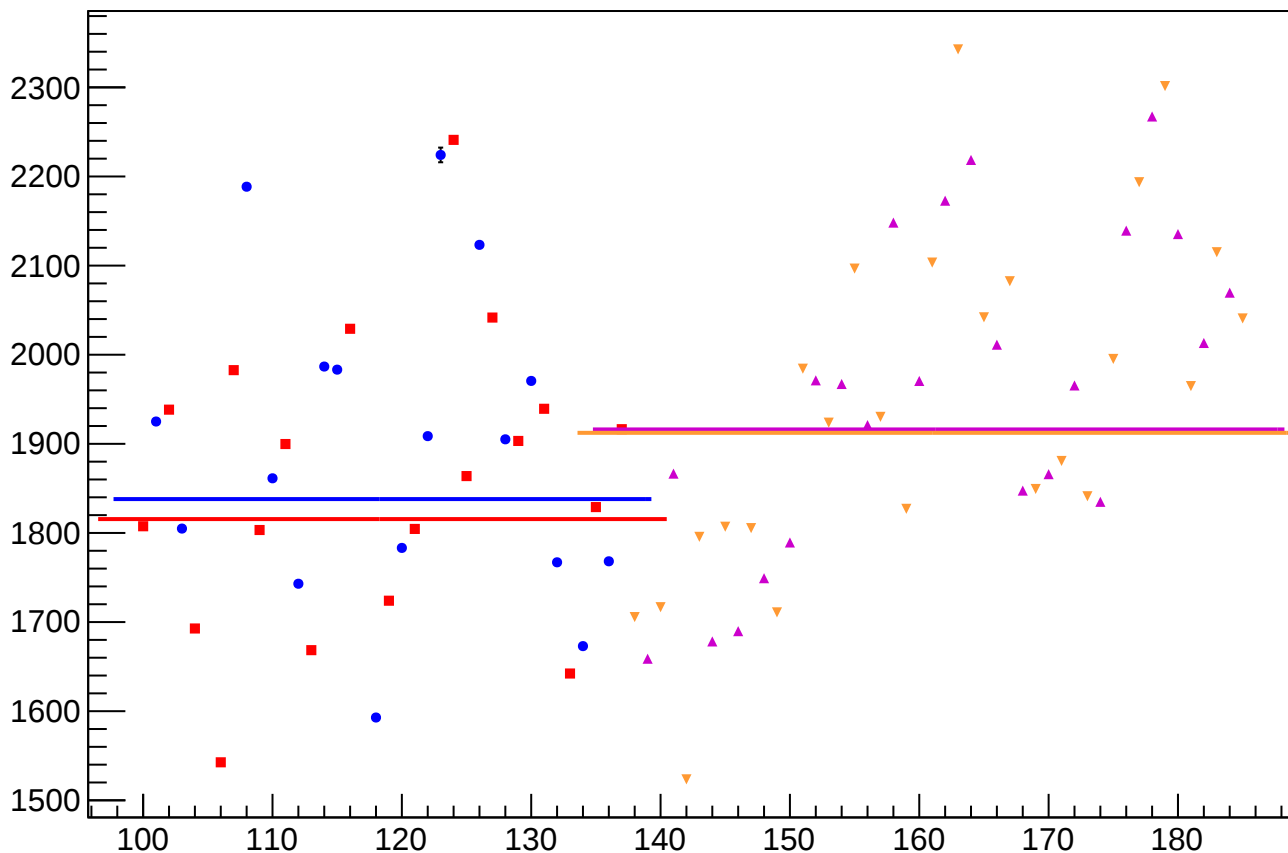
Left In: -3.960 ± 0.463 χ^2/NDF : 464.9/22

+ sign 13.850 ± 0.380 χ^2/NDF : 371.0/41

All: 6.291 ± 0.270 χ^2/NDF : 1844.8/83

- 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: 1912.351 $\pm$ 0.318 χ^2 /NDF: 326287.1/24

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

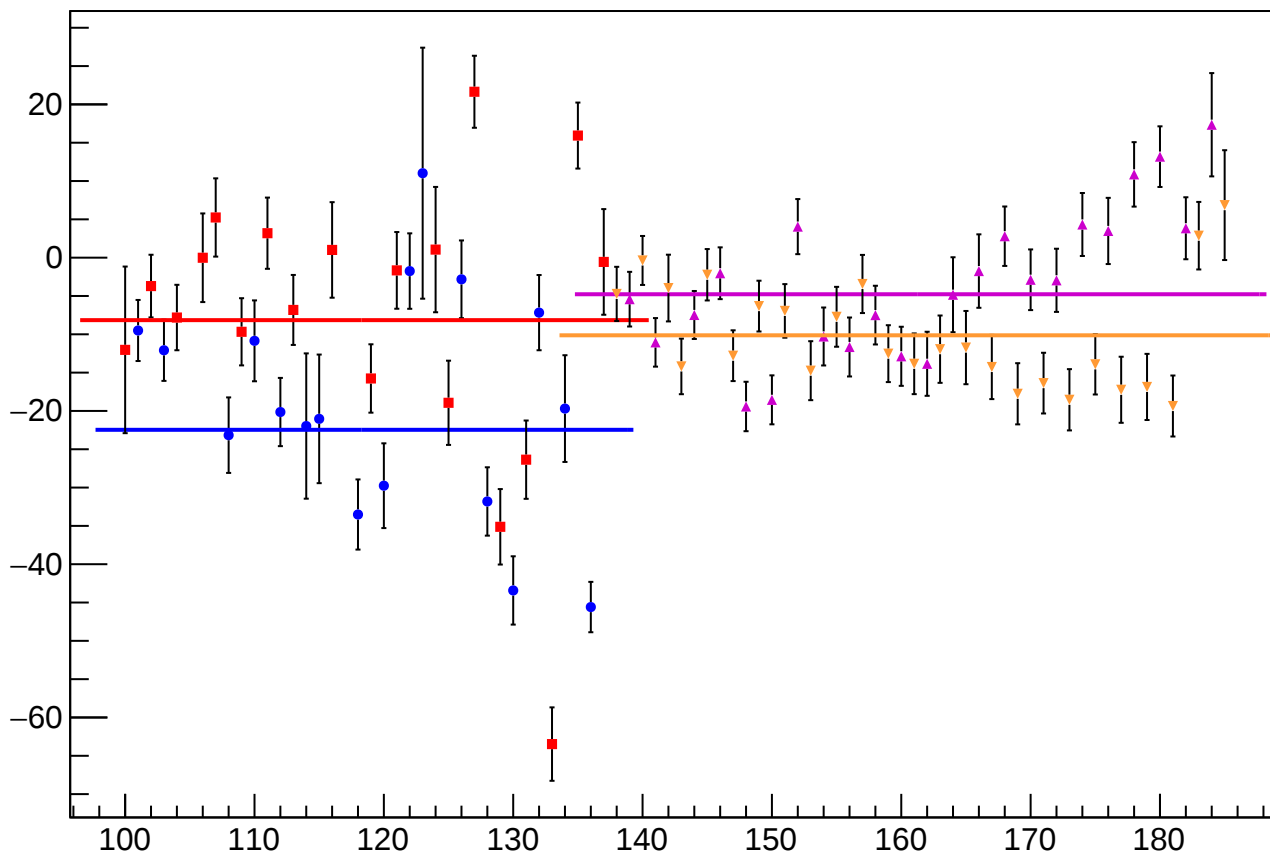
Left In: 1916.159 $\pm$ 0.327 χ^2 /NDF: 274285.3/22

+ sign 1891.208 $\pm$ 0.269 χ^2 /NDF: 424703.1/41

All: 1887.903 $\pm$ 0.191 χ^2 /NDF: 816639.3/83

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

diff_bpm0l01X_mean vs Slug



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

Left Out: -10.131 ± 0.779 χ^2/NDF : 67.1/24

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

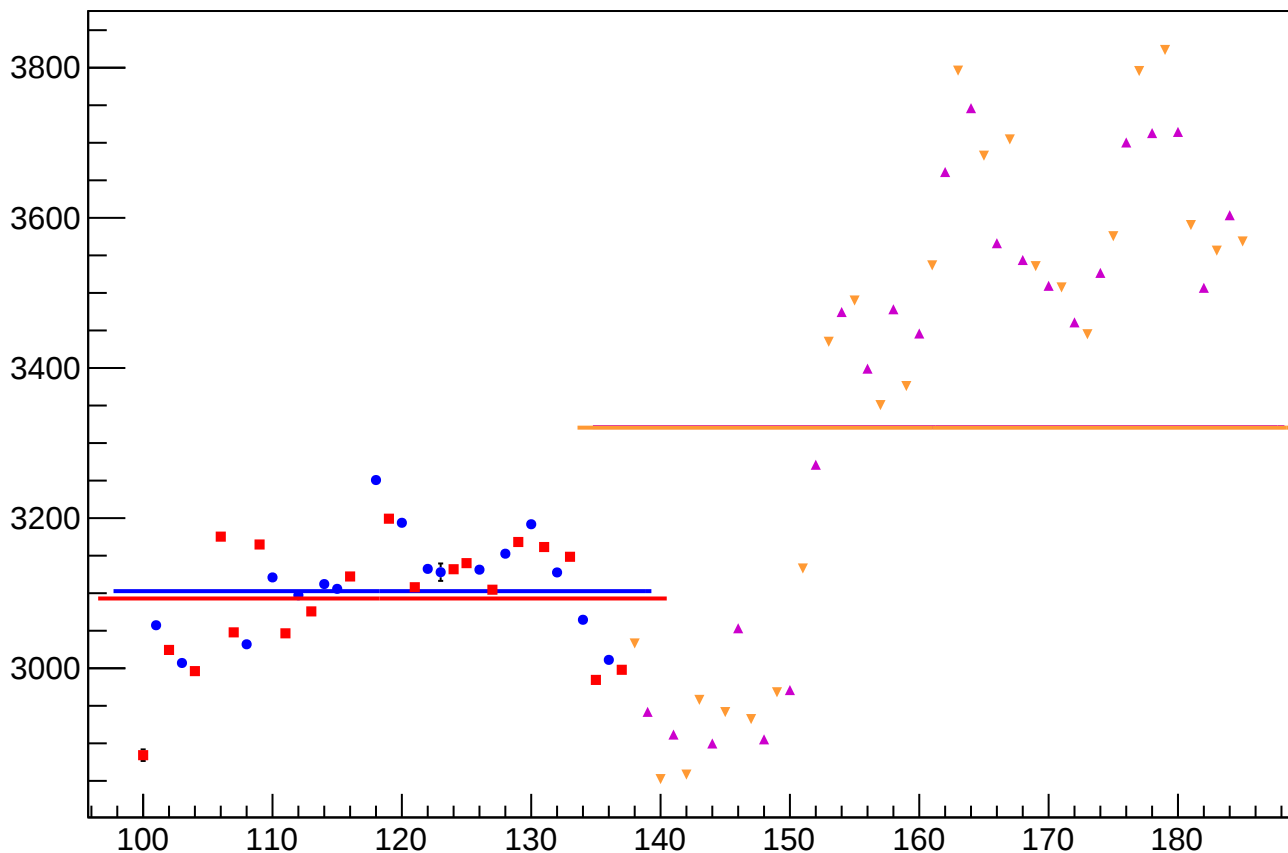
Left In: -4.774 ± 0.800 χ^2/NDF : 128.5/22

+ sign -13.803 ± 0.653 χ^2/NDF : 294.5/41

All: -9.868 ± 0.464 χ^2/NDF : 779.0/83

- sign -5.866 ± 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: 3320.536+/-0.551 χ^2/NDF :333235.8/24

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

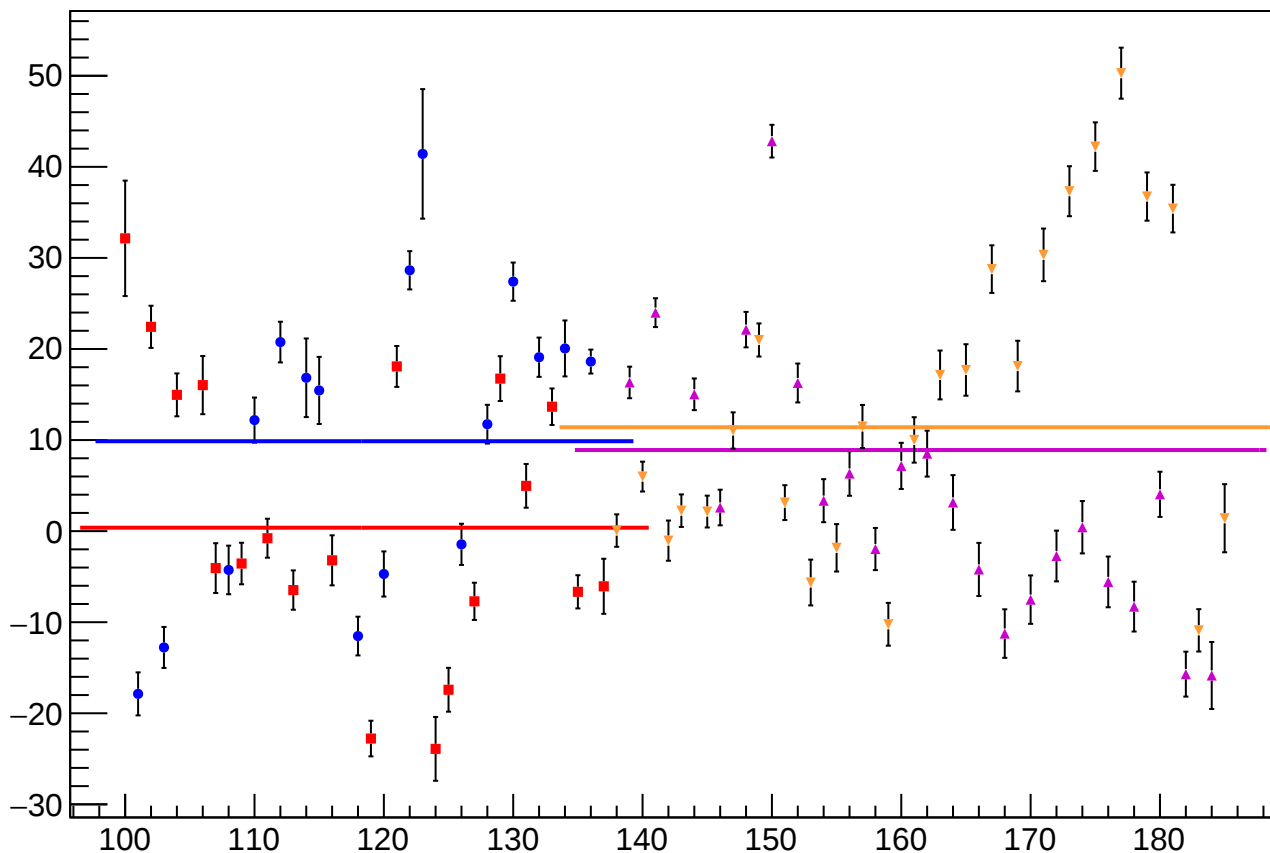
Left In: 3321.275+/-0.566 χ^2/NDF :284334.2/22

+ sign 3255.678+/-0.462 χ^2/NDF : 387083.3/41

All: 3251.620+/-0.328 χ^2/NDF : 731956.9/83

- 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: 11.408 ± 0.457 χ^2/NDF : 1133.8/24

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

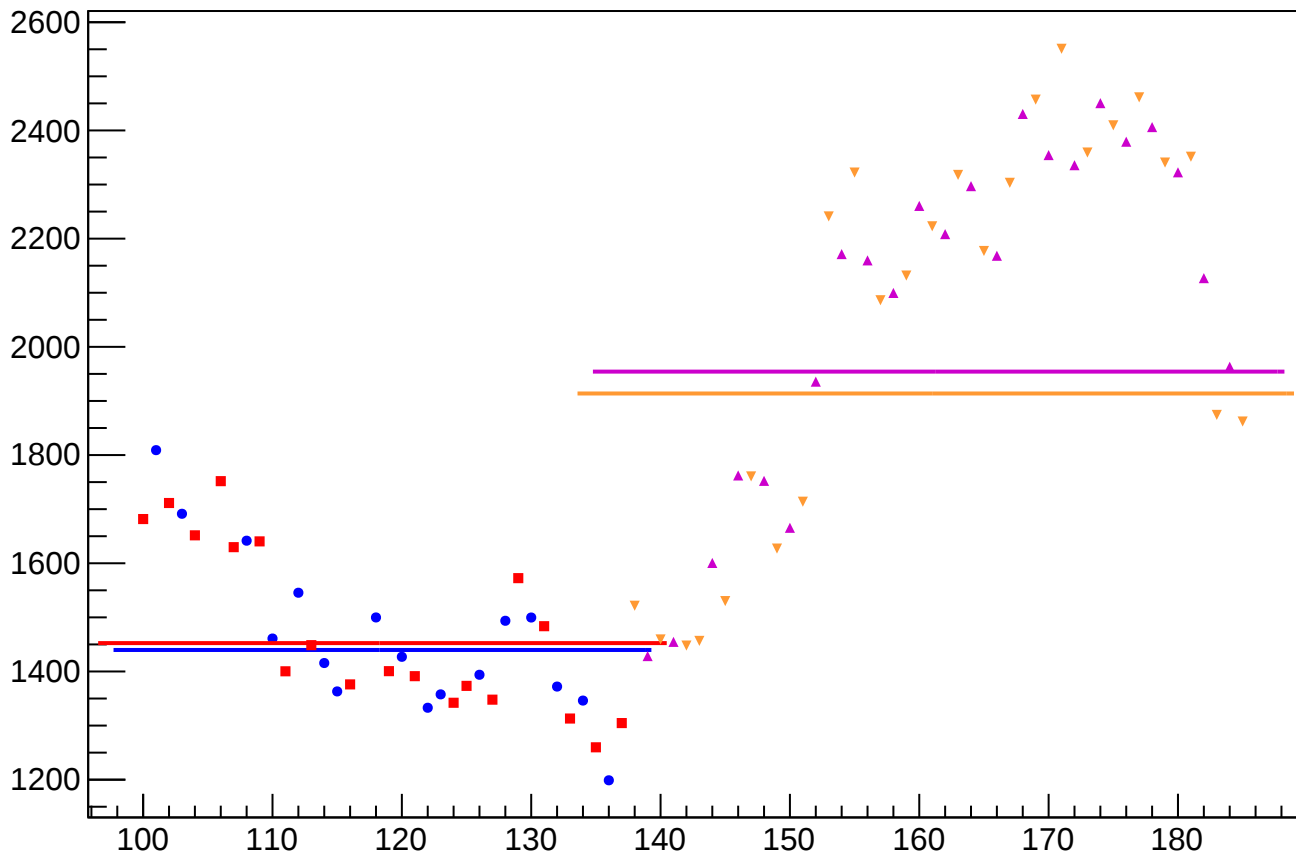
Left In: 8.905 ± 0.478 χ^2/NDF : 936.3/22

+ sign 10.795 ± 0.354 χ^2/NDF : 1839.9/41

All: 8.055 ± 0.252 χ^2/NDF : 3663.8/83

- 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: 1913.798+/-0.323 χ^2/NDF :1380174.9/24

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

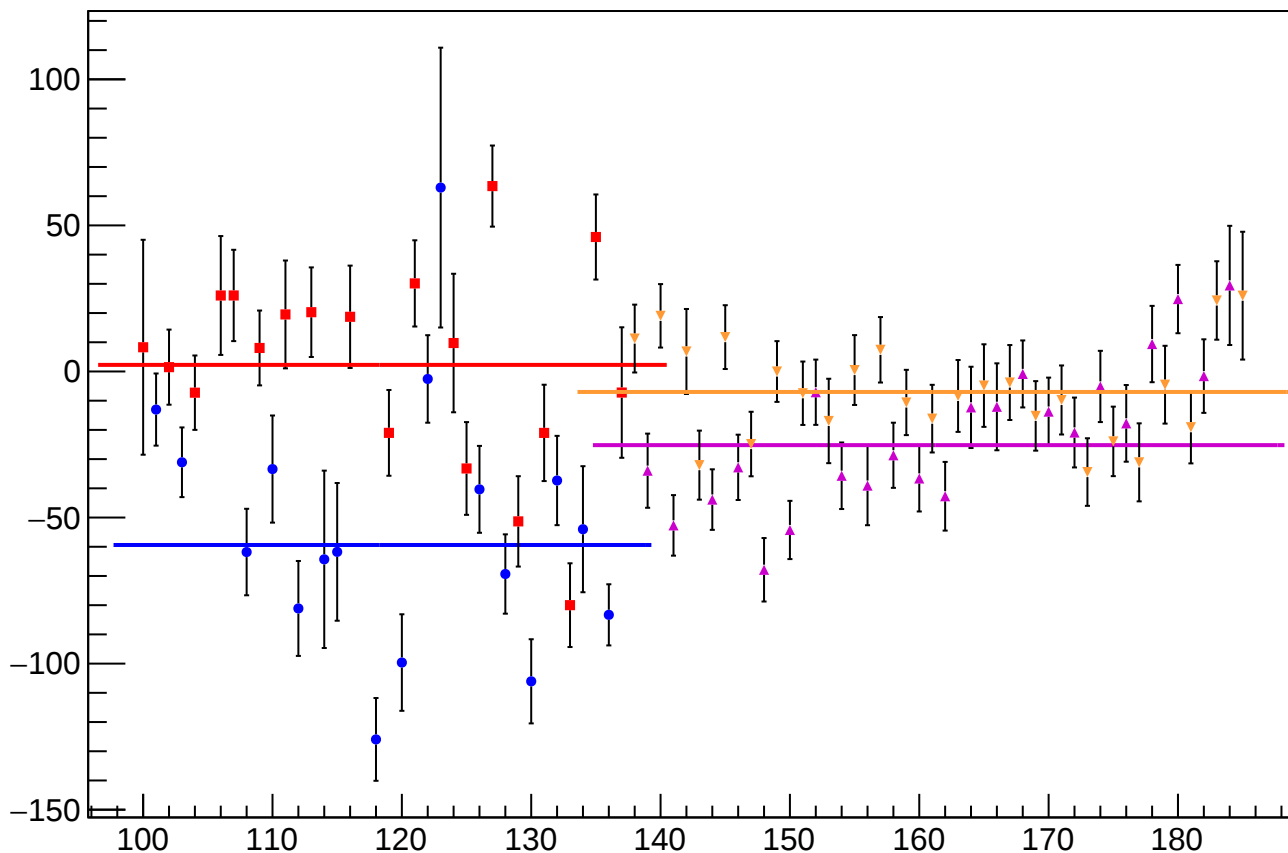
Left In: 1954.236+/-0.338 χ^2/NDF :1044826.7/22

+ sign 1724.597+/-0.250 χ^2/NDF : 2412917.0/41

All: 1730.976+/-0.178 χ^2/NDF : 4551053.8/83

- 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: -7.012 ± 2.431 χ^2/NDF : 43.1/24

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

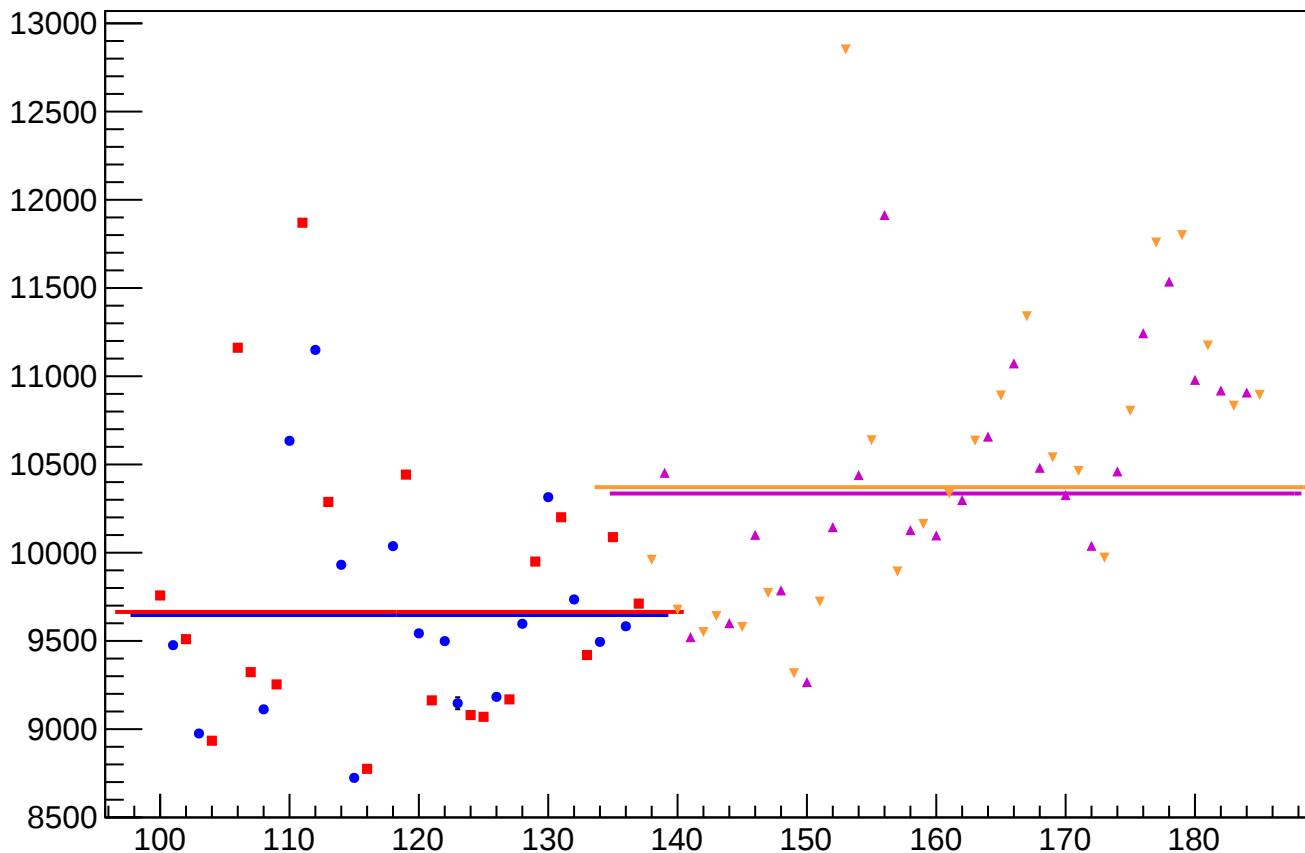
Left In: -25.215 ± 2.487 χ^2/NDF : 89.3/22

+ sign -22.596 ± 2.038 χ^2/NDF : 273.8/41

All: -19.552 ± 1.446 χ^2/NDF : 500.8/83

- 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: 10371.307 $\pm$ 1.719 χ^2 /NDF: 210185.6/24

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

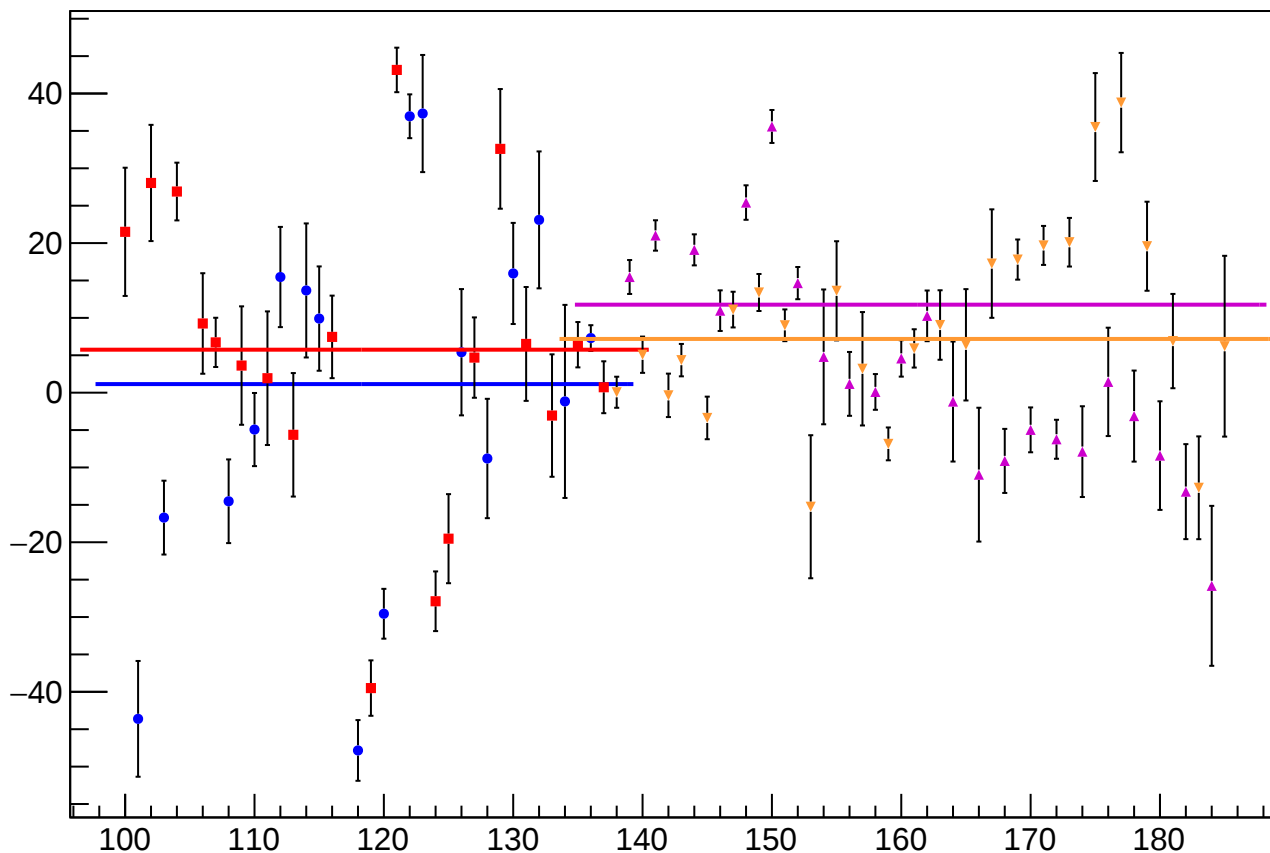
Left In: 10335.399 $\pm$ 1.758 χ^2 /NDF: 127173.0/22

+ sign 10155.784 $\pm$ 1.441 χ^2 /NDF: 307013.5/41

All: 10138.788 $\pm$ 1.023 χ^2 /NDF: 558223.6/83

- 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: 7.184 ± 0.643 χ^2/NDF : 199.7/24

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

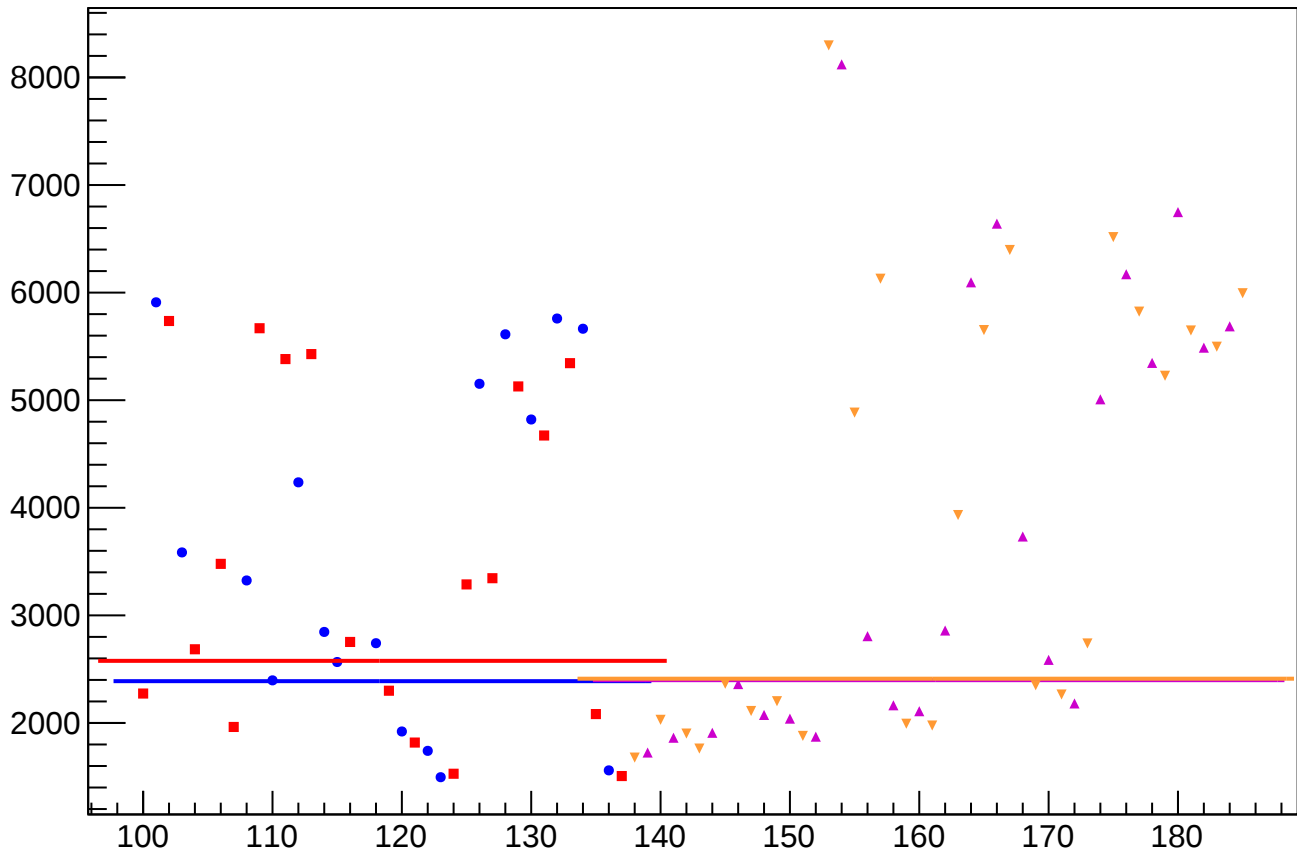
Left In: 11.766 ± 0.648 χ^2/NDF : 395.1/22

+ sign 5.575 ± 0.551 χ^2/NDF : 713.8/41

All: 7.859 ± 0.392 χ^2/NDF : 1621.1/83

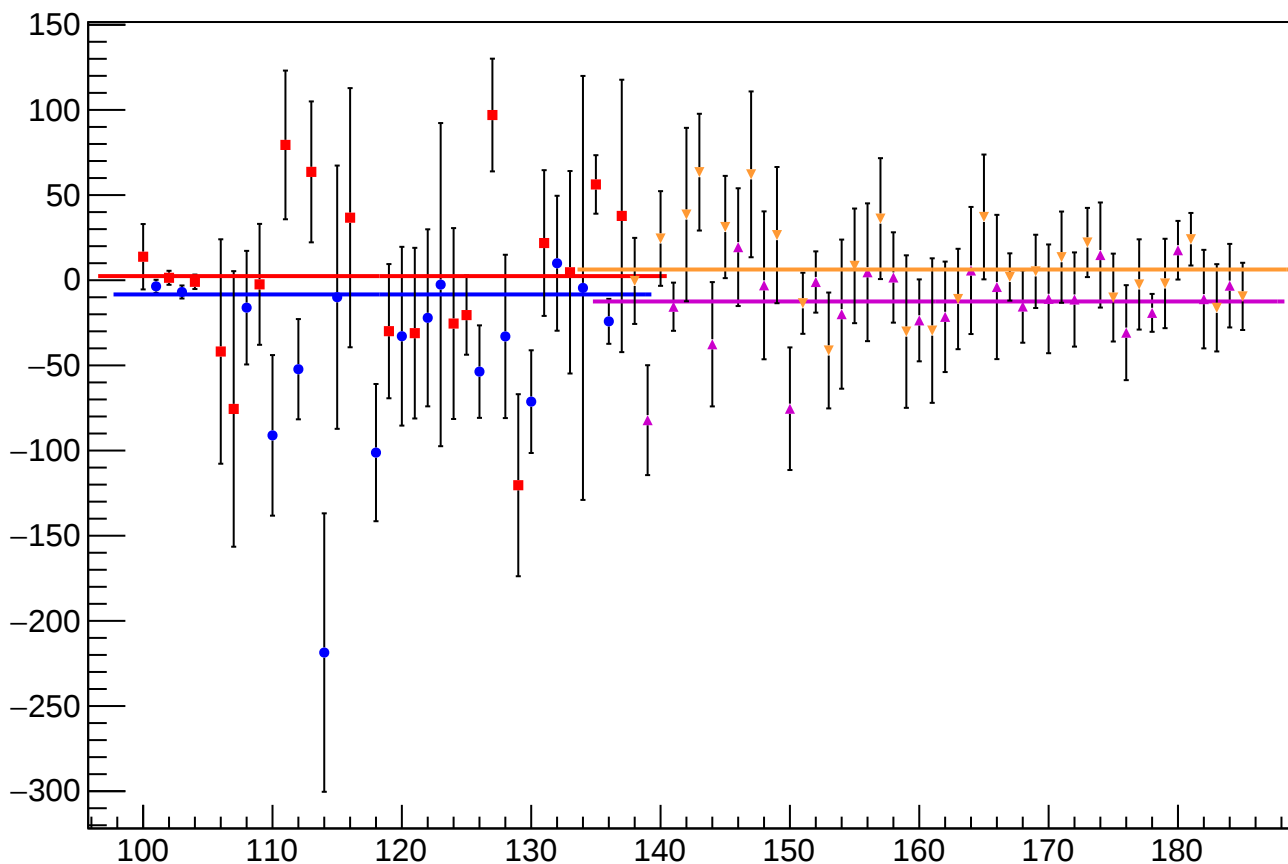
- sign 10.197 ± 0.557 χ^2/NDF : 872.5/41

diff_bpm0l02Y_rms vs Slug



Right In: 2388.532+/-0.755	χ^2/NDF : 2588689.4/16	+ sign 2405.352+/-0.390	χ^2/NDF : 8902729.2/41
Left Out: 2411.465+/-0.455	χ^2/NDF : 6313362.5/24	All: 2424.711+/-0.277	χ^2/NDF : 16705452.2/8
Right Out: 2577.351+/-0.772	χ^2/NDF : 2358780.3/18	- sign 2444.529+/-0.394	χ^2/NDF : 7797726.4/41
Left In: 2397.701+/-0.458	χ^2/NDF : 5398920.1/22		

diff_bpm0l03X_mean vs Slug



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

Left Out: 6.300 ± 5.084 χ^2/NDF : 16.4/24

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

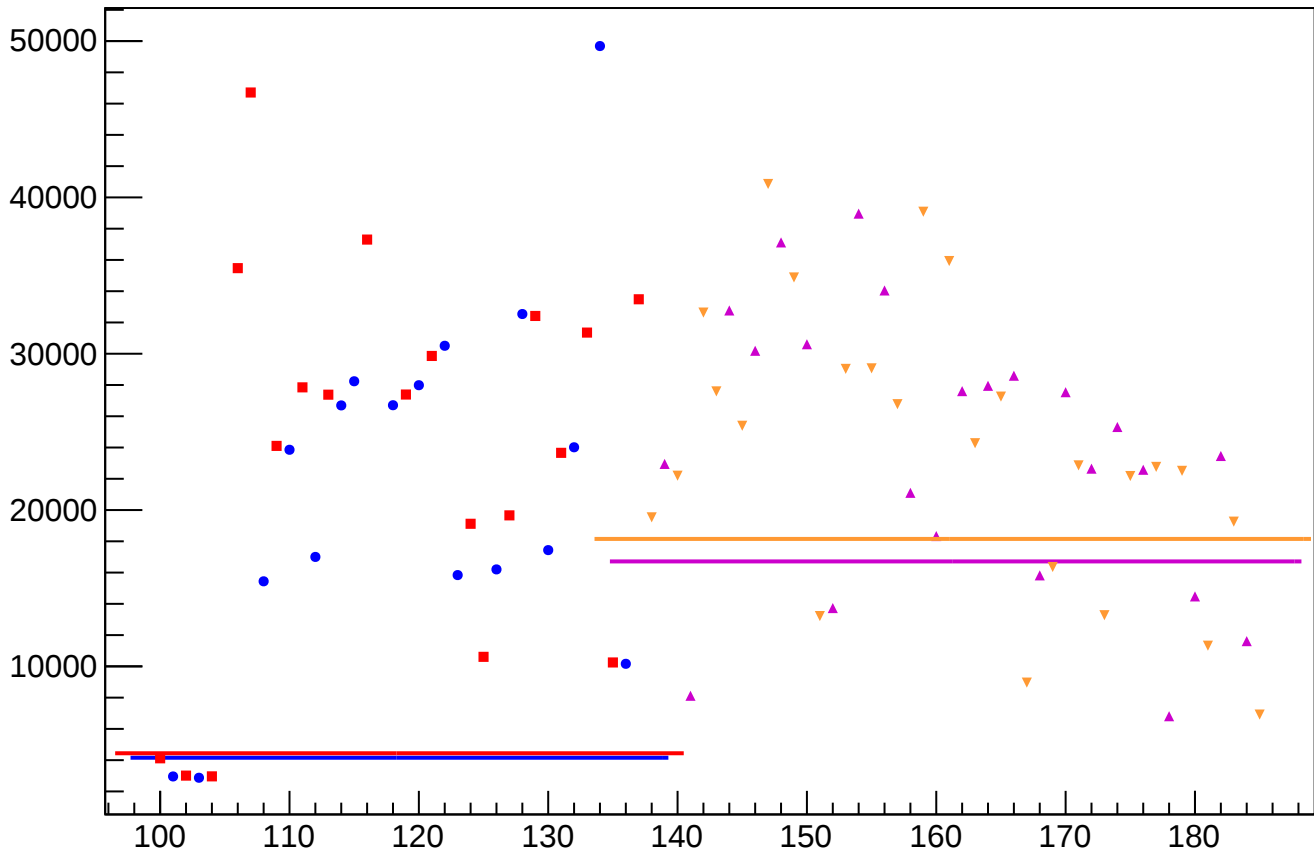
Left In: -12.469 ± 5.025 χ^2/NDF : 15.4/22

+ sign -5.326 ± 2.306 χ^2/NDF : 51.3/41

All: -3.320 ± 1.675 χ^2/NDF : 108.9/83

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

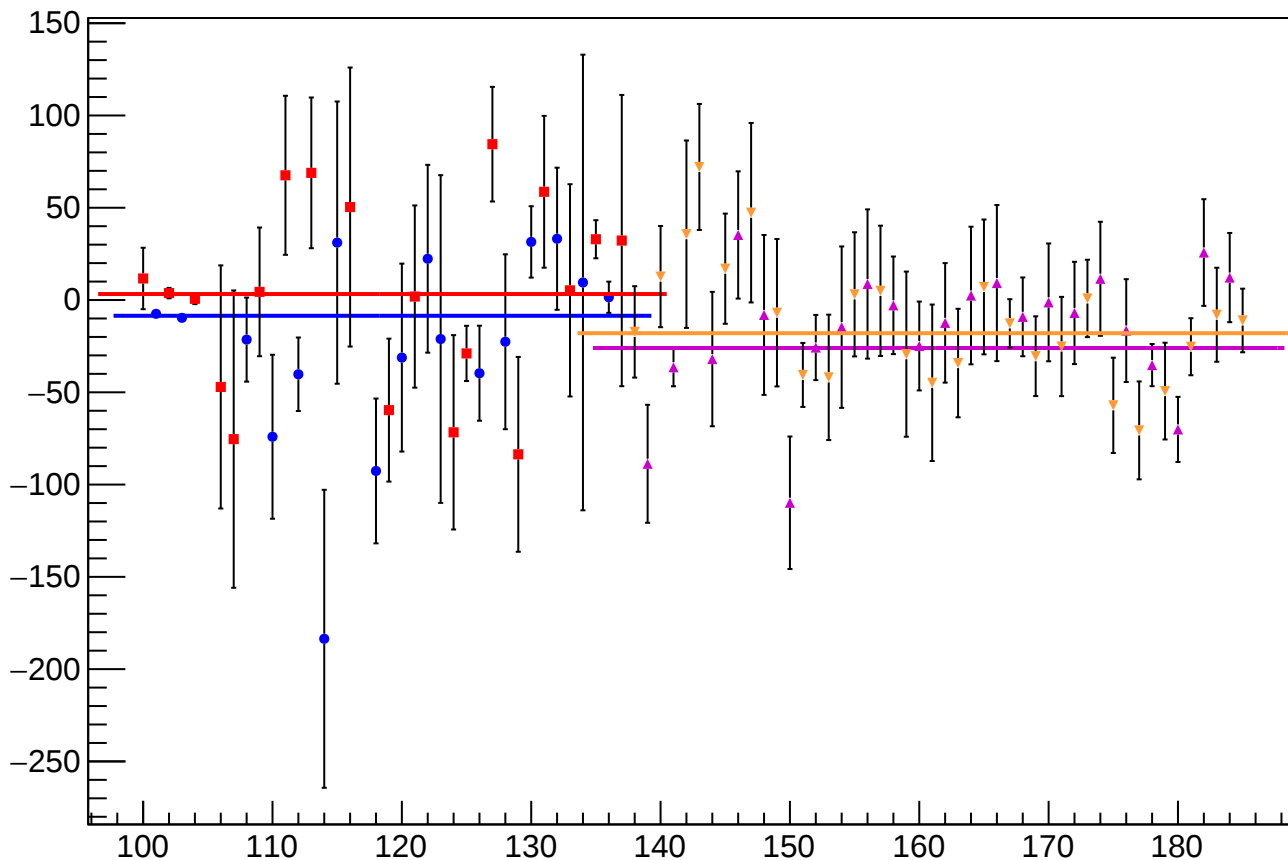
diff_bpm0l03X_rms vs Slug



Right In: 4156.086 ± 1.830 $\chi^2/\text{NDF}: 5974546.9/16$
 Left Out: 18152.895 ± 3.595 $\chi^2/\text{NDF}: 5221117.6/24$
 Right Out: 4441.440 ± 1.971 $\chi^2/\text{NDF}: 7399930.1/18$
 Left In: 16713.653 ± 3.553 $\chi^2/\text{NDF}: 6194178.8/22$

+ sign 7036.816 ± 1.631 $\chi^2/\text{NDF}: 23234693.8/41$
 All: 7174.470 ± 1.185 $\chi^2/\text{NDF}: 45965857.2/8$
 - sign 7328.178 ± 1.723 $\chi^2/\text{NDF}: 22716085.0/41$

diff_bpm0l03Y_mean vs Slug



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

Left Out: -17.967 ± 4.980 χ^2/NDF : 26.4/24

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

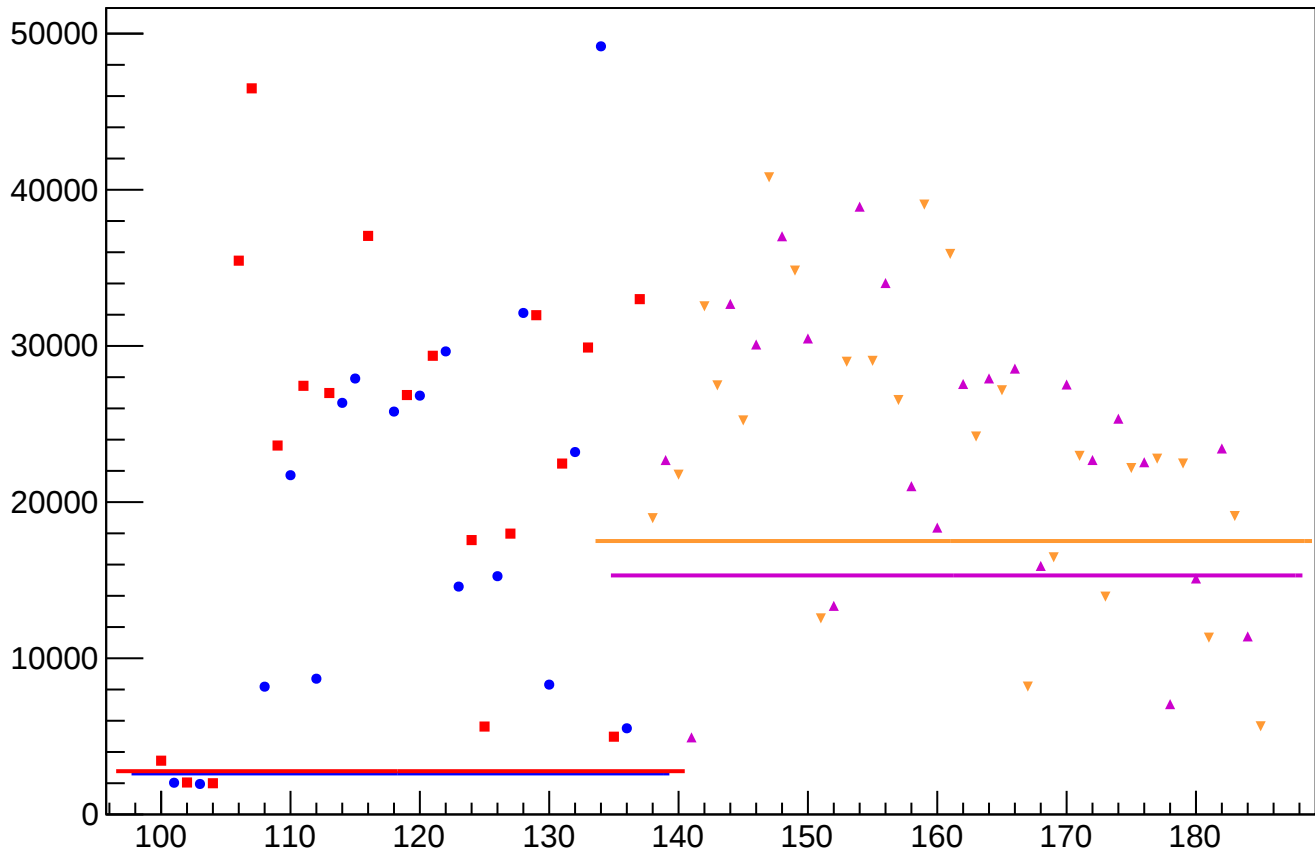
Left In: -25.991 ± 4.789 χ^2/NDF : 32.6/22

+ sign -9.602 ± 1.675 χ^2/NDF : 53.6/41

All: -5.484 ± 1.221 χ^2/NDF : 168.1/83

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

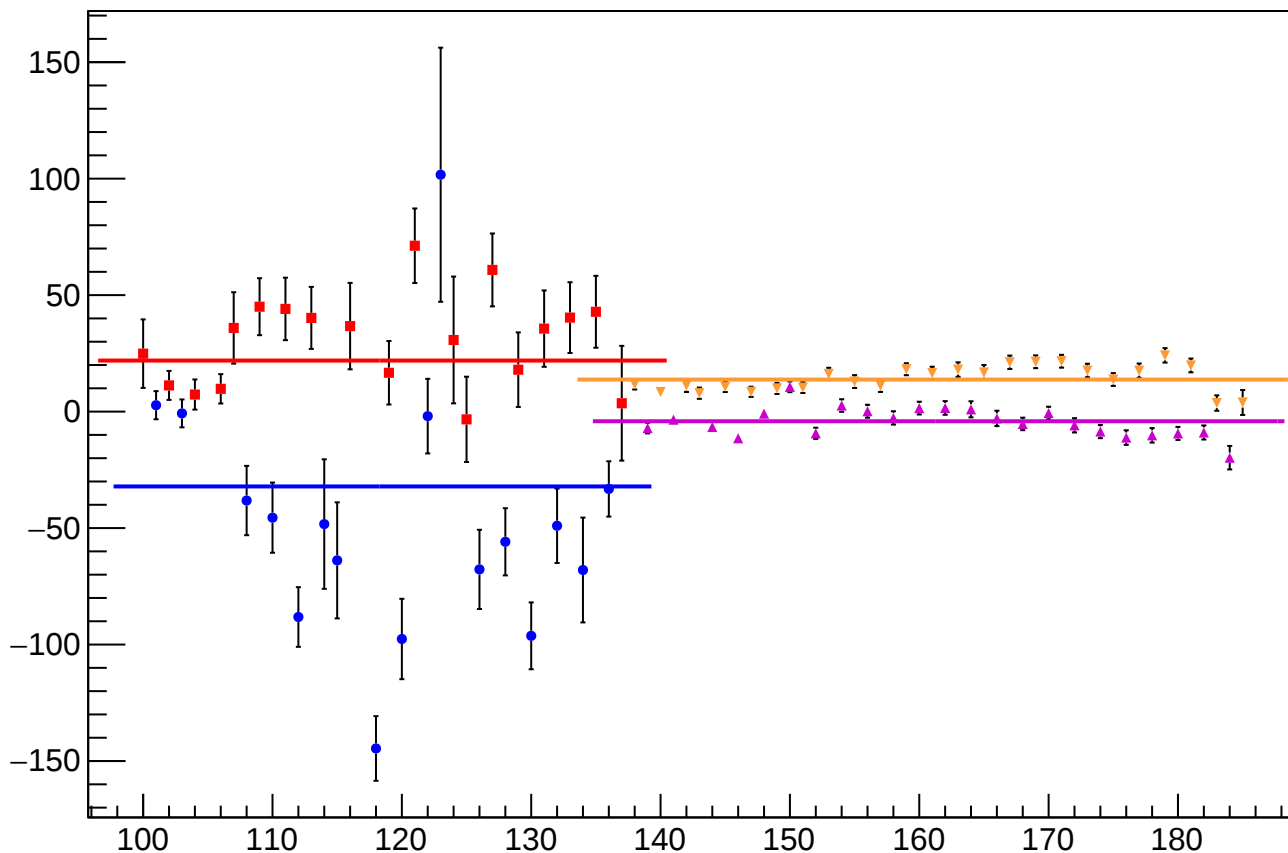
diff_bpm0l03Y_rms vs Slug



Right In: 2627.104+/-1.257 χ^2/NDF : 5569866.4/16
 Left Out: 17508.623+/-3.522 χ^2/NDF : 5858989.6/24
 Right Out: 2770.651+/-1.359 χ^2/NDF : 7812778.8/18
 Left In: 15305.311+/-3.386 χ^2/NDF : 7721177.0/22

+ sign 4309.312+/-1.184 χ^2/NDF : 27266281.6/41
 All: 4403.327+/-0.863 χ^2/NDF : 54614415.5/8
 - sign 4510.029+/-1.261 χ^2/NDF : 27334674.0/41

diff_bpm0l04X_mean vs Slug



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

Left Out: 13.763 ± 0.538 χ^2/NDF : 88.6/24

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

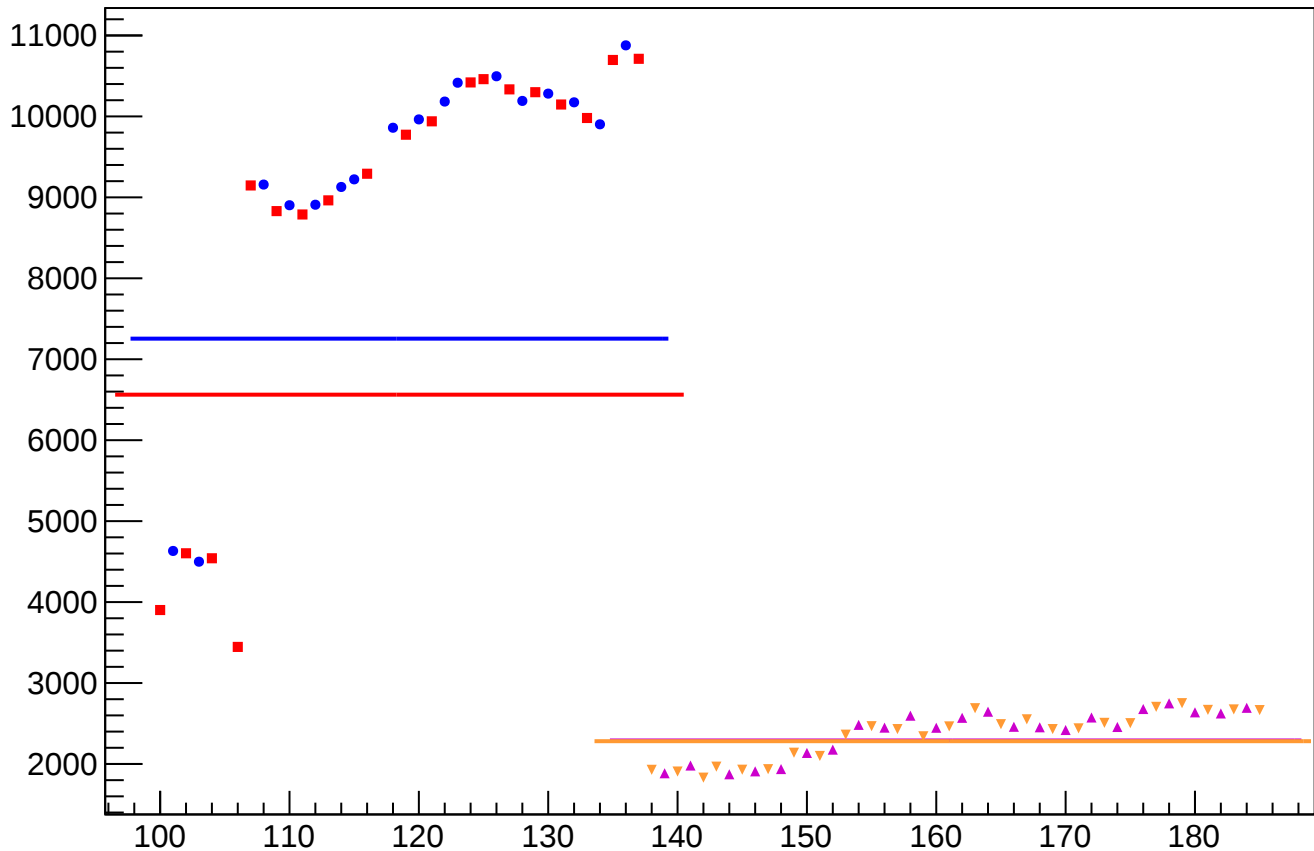
Left In: -4.141 ± 0.555 χ^2/NDF : 111.7/22

+ sign 12.321 ± 0.529 χ^2/NDF : 520.9/41

All: 4.831 ± 0.379 χ^2/NDF : 1179.3/83

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

diff_bpm0l04X_rms vs Slug



Right In: 7254.506+/-2.110 χ^2/NDF : 1633073.8/16

Left Out: 2281.358+/-0.380 χ^2/NDF : 598482.9/24

Right Out: 6562.403+/-1.889 χ^2/NDF : 2190982.1/18

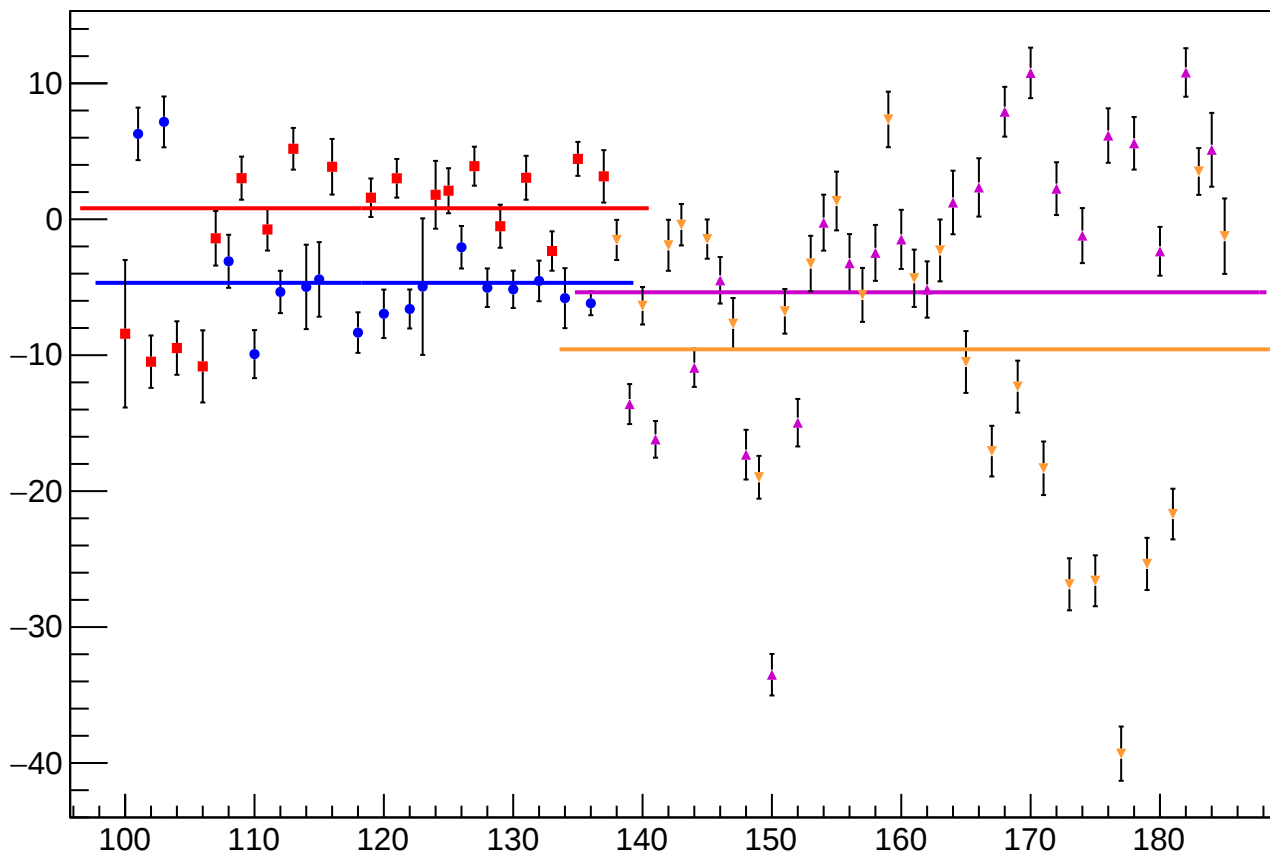
Left In: 2290.461+/-0.392 χ^2/NDF : 590272.1/22

+ sign 2437.648+/-0.374 χ^2/NDF : 7609845.4/41

All: 2451.978+/-0.268 χ^2/NDF : 15296644.1/8

- sign 2467.081+/-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: -9.568 ± 0.366 χ^2/NDF : 884.1/24

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

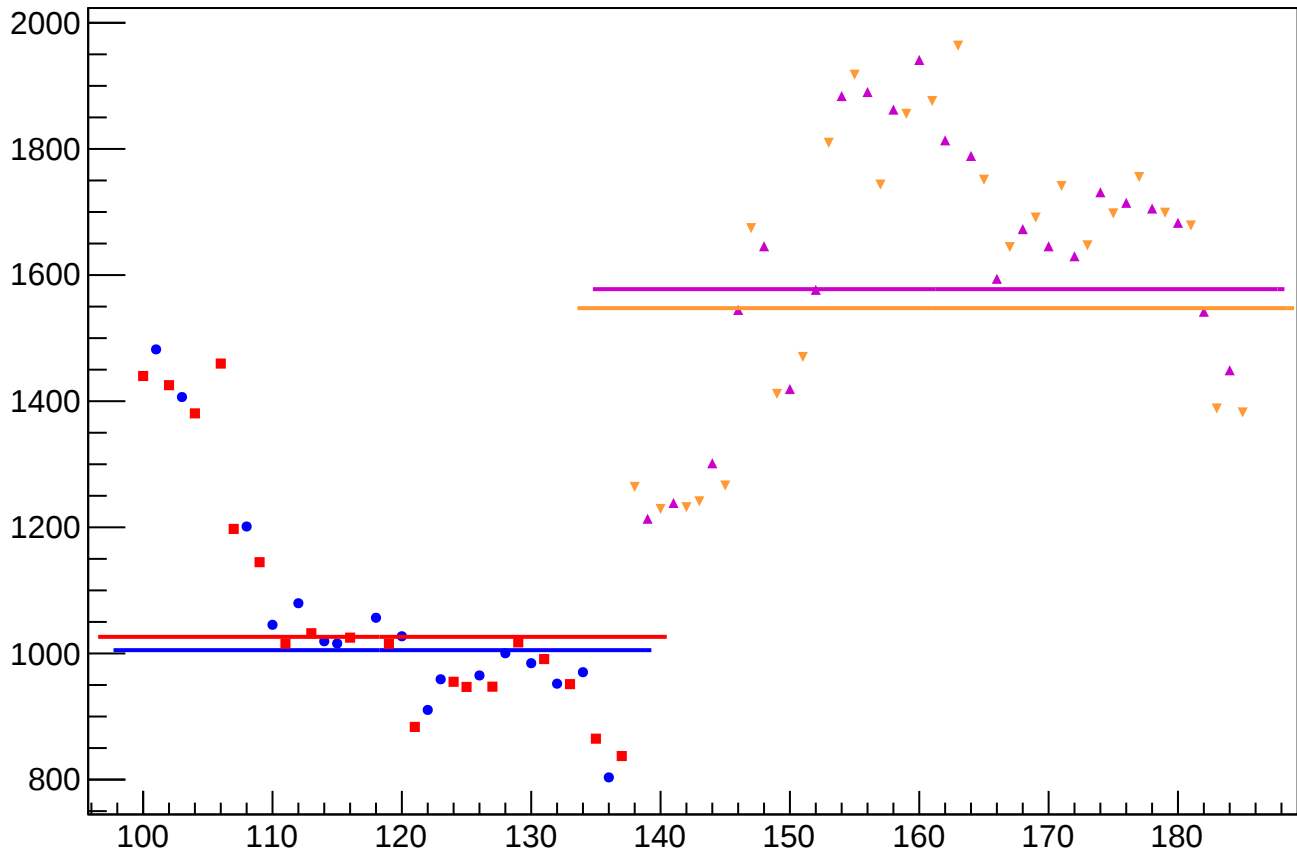
Left In: -5.372 ± 0.383 χ^2/NDF : 869.8/22

+ sign -7.295 ± 0.268 χ^2/NDF : 1064.5/41

All: -4.858 ± 0.191 χ^2/NDF : 2354.5/83

- 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: 1547.544+/-0.259 χ^2/NDF : 832713.1/24

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

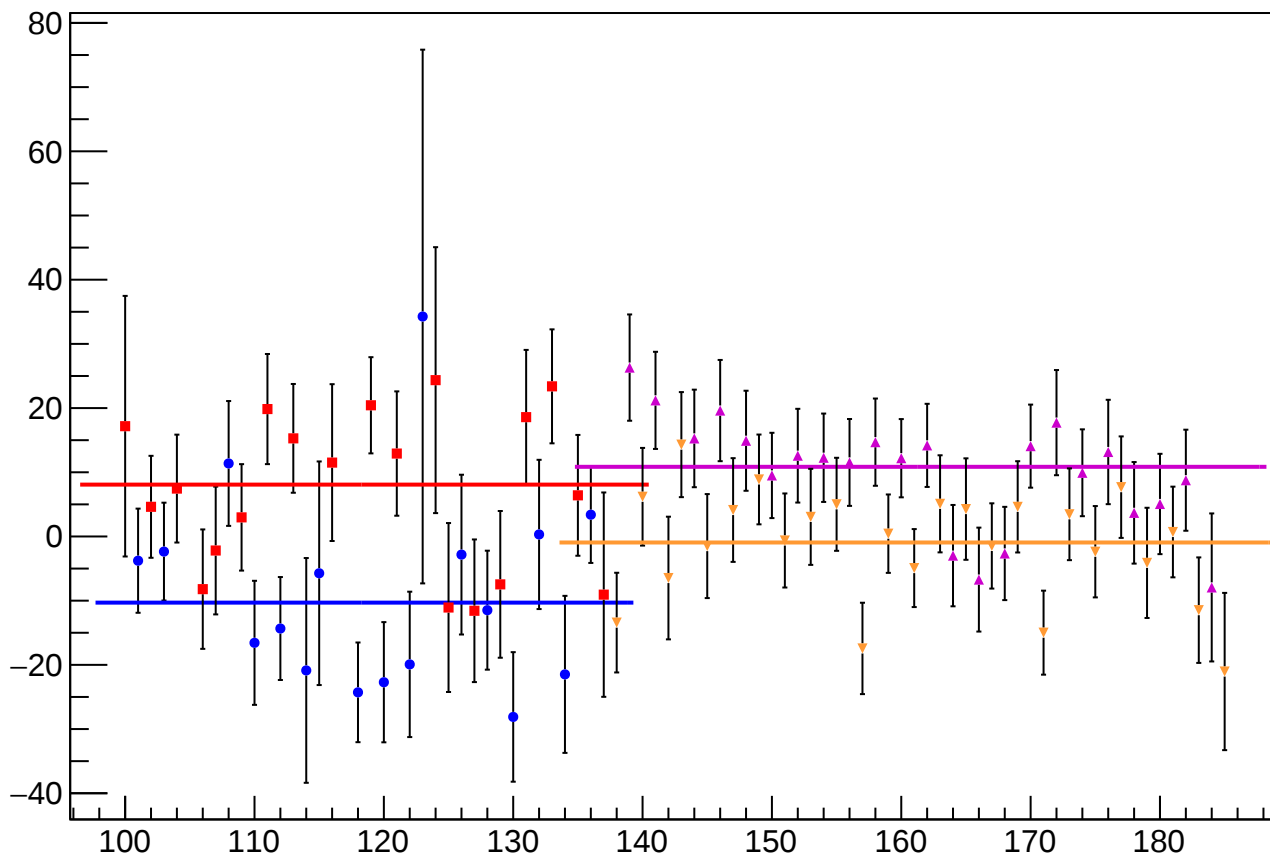
Left In: 1577.685+/-0.271 χ^2/NDF : 625406.2/22

+ sign 1295.546+/-0.190 χ^2/NDF : 3229865.0/41

All: 1300.939+/-0.135 χ^2/NDF : 6229273.9/83

- 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: -0.938 ± 1.491 χ^2/NDF : 28.9/24

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

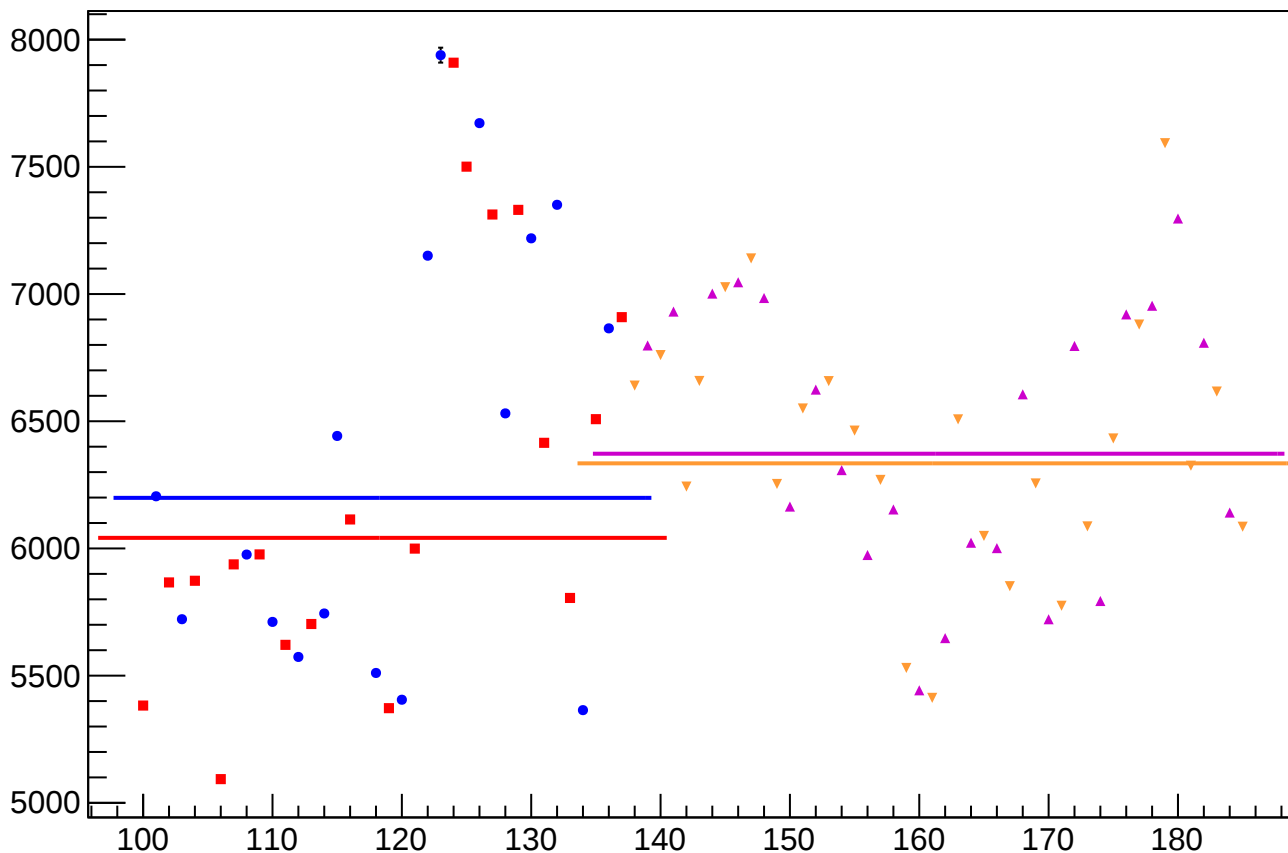
Left In: 10.851 ± 1.542 χ^2/NDF : 24.4/22

+ sign -3.529 ± 1.268 χ^2/NDF : 63.0/41

All: 3.179 ± 0.900 χ^2/NDF : 168.1/83

- 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: 6334.503+/-1.054 χ^2/NDF : 222041.5/24

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

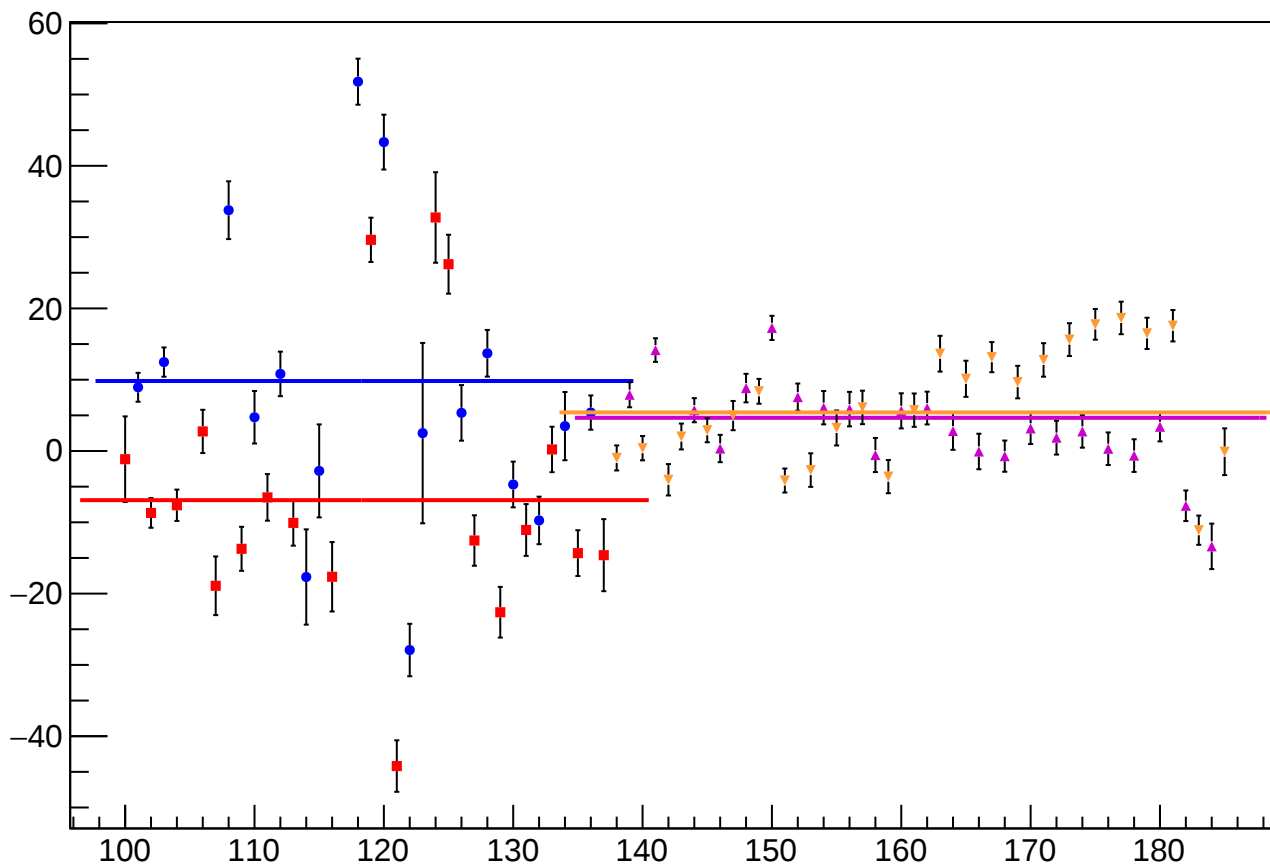
Left In: 6372.349+/-1.090 χ^2/NDF : 247257.0/22

+ sign 6296.993+/-0.897 χ^2/NDF : 397923.3/41

All: 6282.910+/-0.636 χ^2/NDF : 830930.1/83

- 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: 5.411 ± 0.423 χ^2/NDF : 360.0/24

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

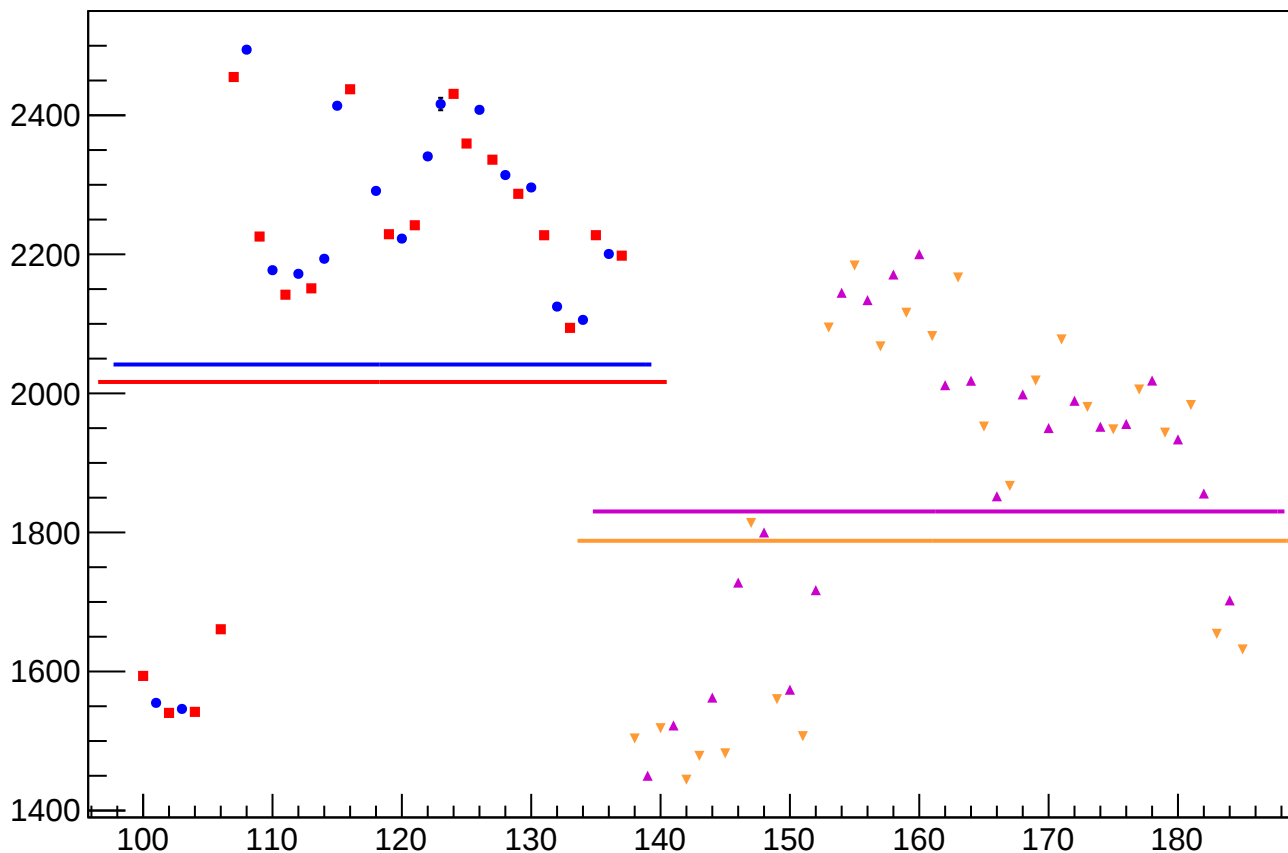
Left In: 4.657 ± 0.443 χ^2/NDF : 196.5/22

+ sign 6.377 ± 0.373 χ^2/NDF : 856.5/41

All: 4.130 ± 0.268 χ^2/NDF : 1713.0/83

- 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: 1788.003 $\pm$ 0.299 χ^2 /NDF: 740696.9/24

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

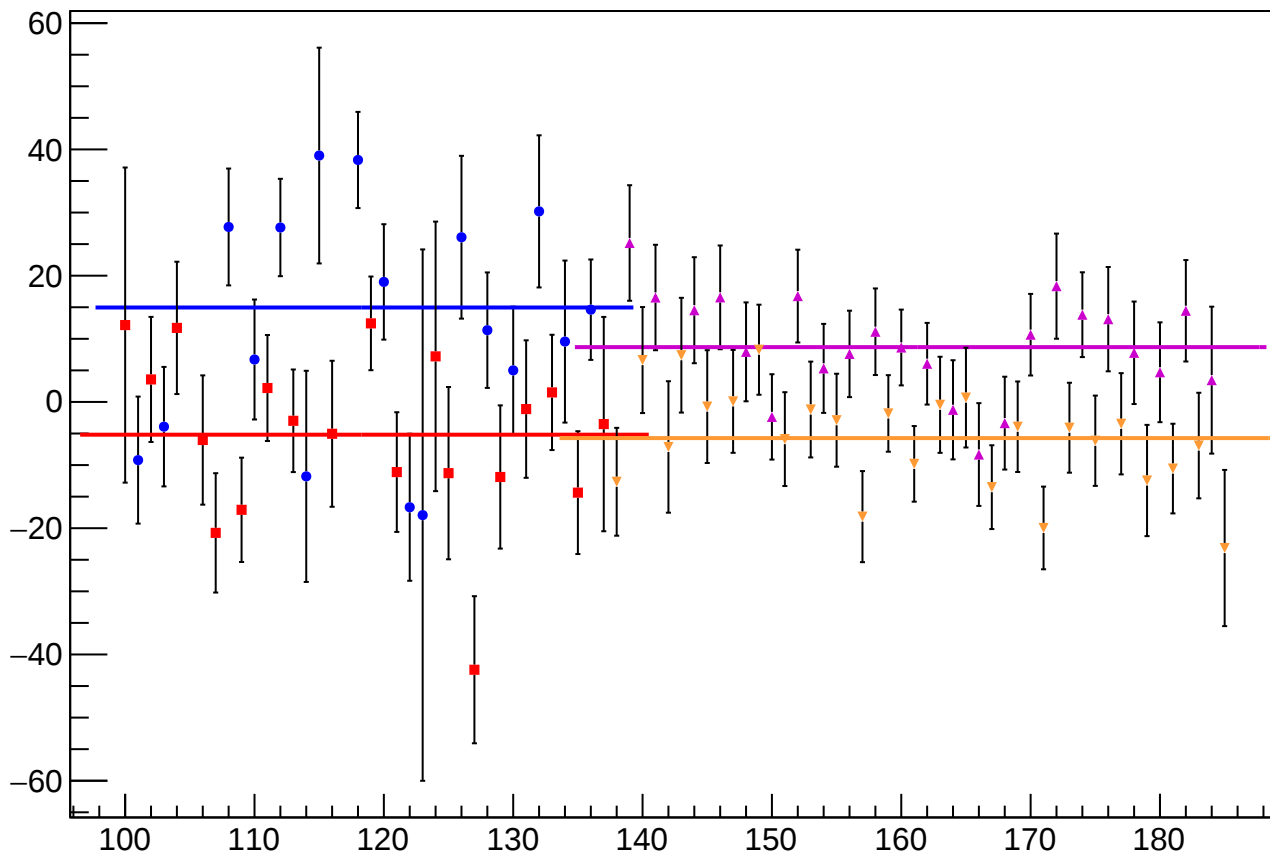
Left In: 1830.160 $\pm$ 0.313 χ^2 /NDF: 508391.9/22

+ sign 1843.540 $\pm$ 0.264 χ^2 /NDF: 1254597.5/41

All: 1859.777 $\pm$ 0.189 χ^2 /NDF: 2234521.7/83

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

diff_bpm0l06X_mean vs Slug



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

Left Out: -5.726 ± 1.522 χ^2/NDF : 24.4/24

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

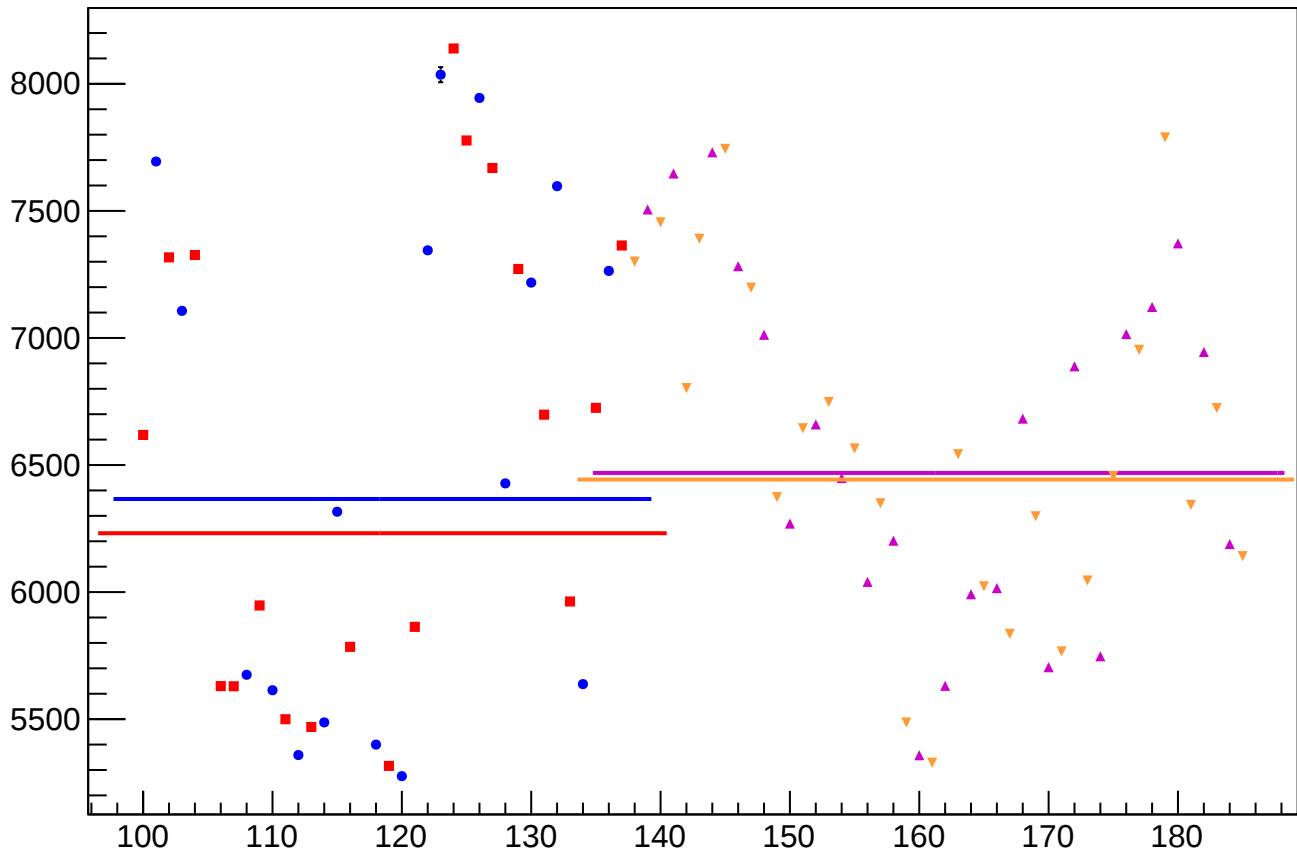
Left In: 8.683 ± 1.571 χ^2/NDF : 21.9/22

+ sign -0.099 ± 1.298 χ^2/NDF : 115.6/41

All: 2.148 ± 0.921 χ^2/NDF : 195.7/83

- sign 4.425 ± 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: 6442.907+/-1.076 χ^2/NDF : 367442.4/24

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

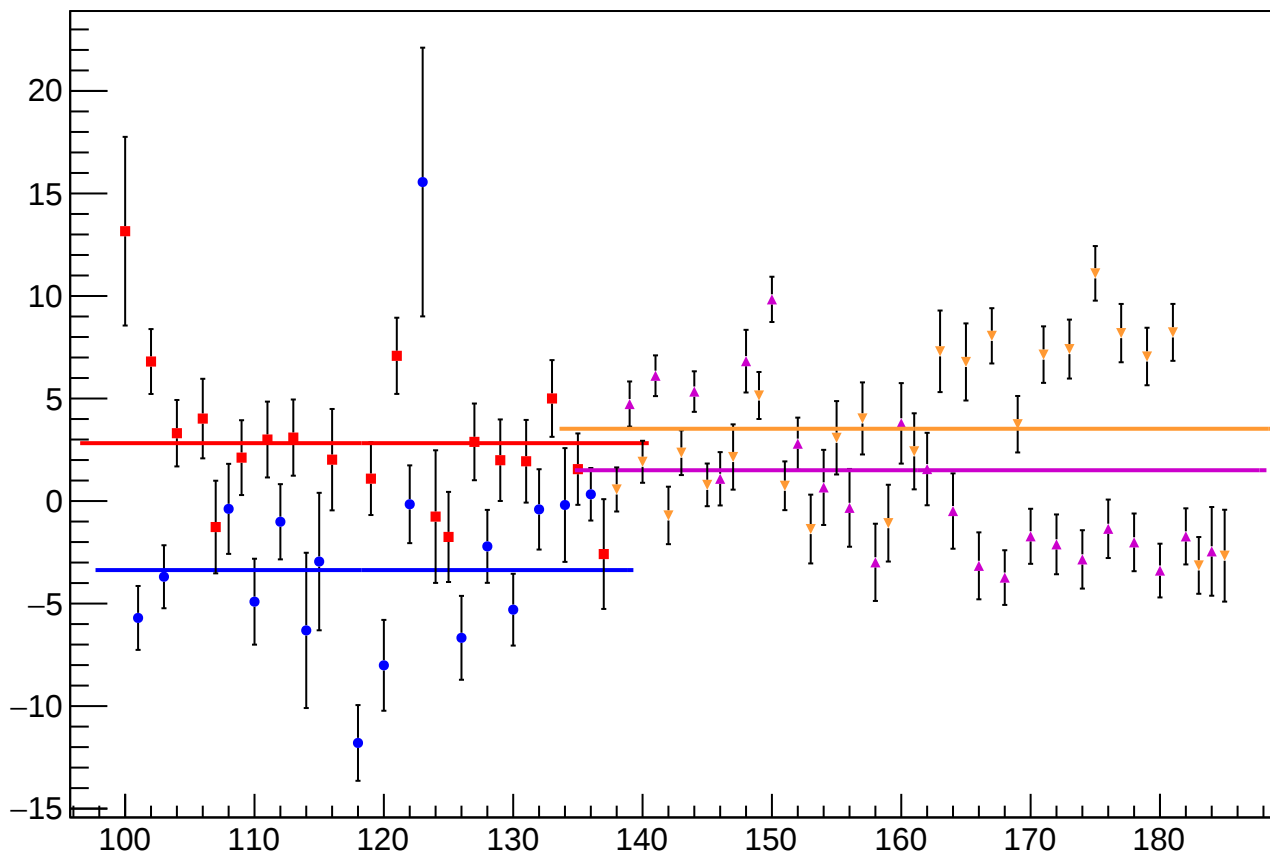
Left In: 6468.902+/-1.111 χ^2/NDF : 383325.4/22

+ sign 6422.081+/-0.918 χ^2/NDF : 654386.8/41

All: 6409.167+/-0.651 χ^2/NDF : 1293428.3/83

- 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: 3.525 ± 0.278 χ^2/NDF : 174.4/24

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

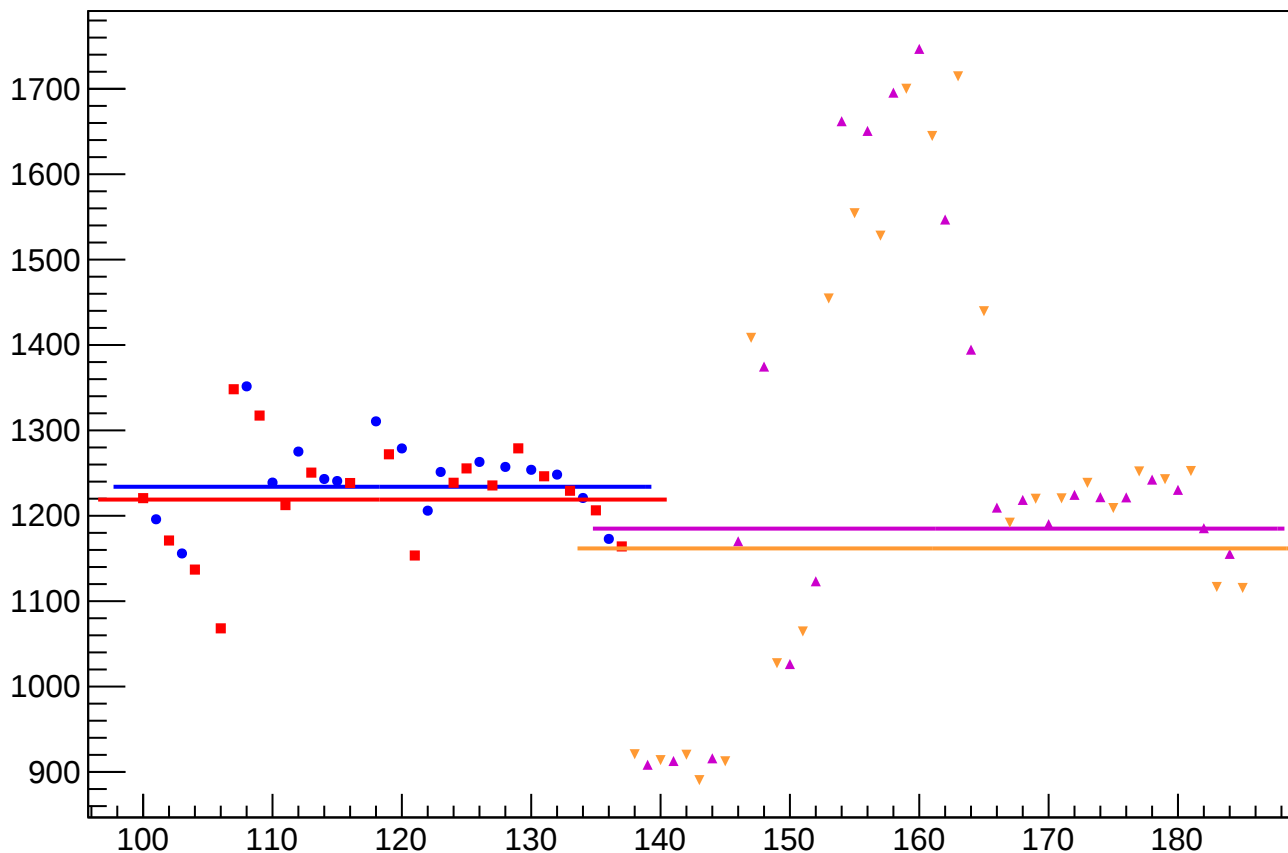
Left In: 1.502 ± 0.291 χ^2/NDF : 202.7/22

+ sign 1.775 ± 0.240 χ^2/NDF : 390.2/41

All: 1.828 ± 0.172 χ^2/NDF : 632.4/83

- 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: 1161.768 $\pm$ 0.196 χ^2 /NDF: 1390071.7/24

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

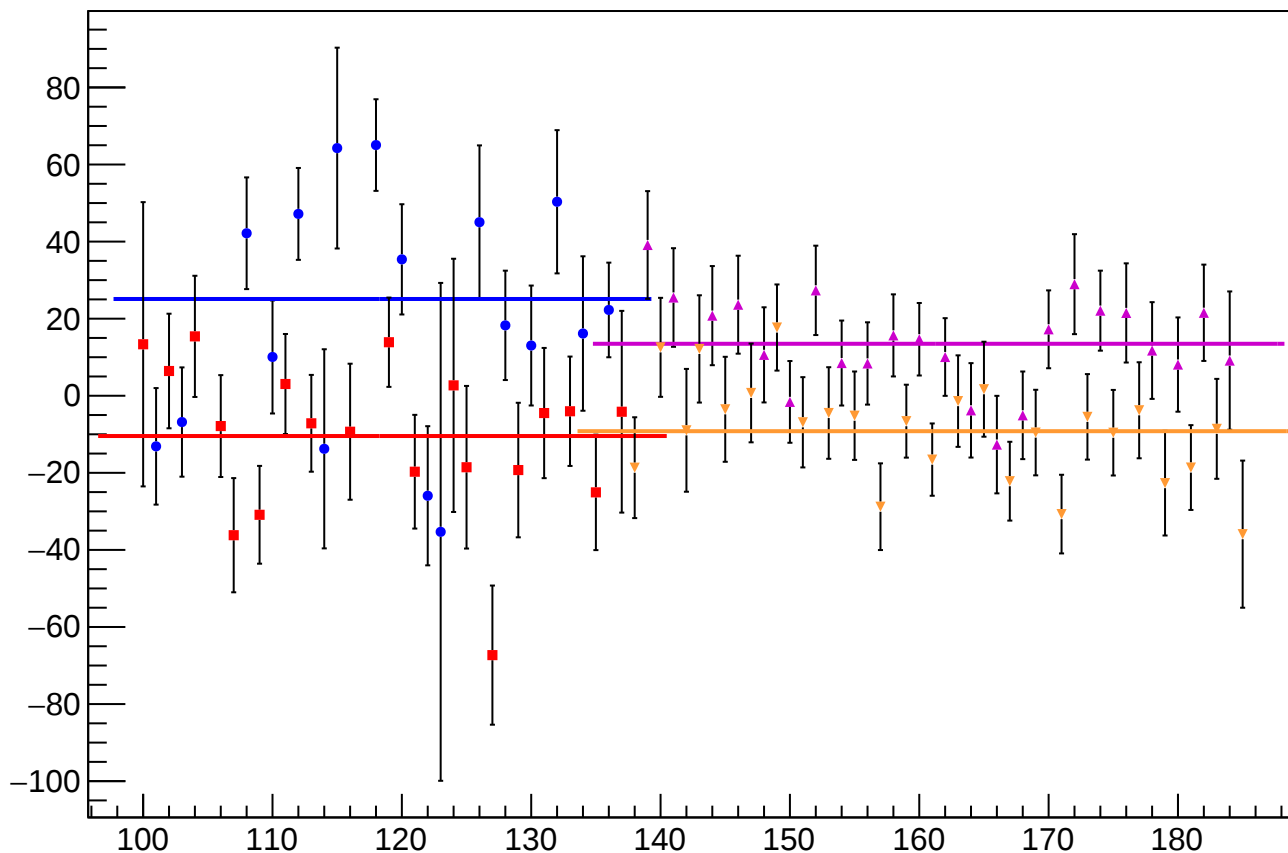
Left In: 1184.966 $\pm$ 0.206 χ^2 /NDF: 1190431.5/22

+ sign 1180.102 $\pm$ 0.170 χ^2 /NDF: 1447920.9/41

All: 1187.272 $\pm$ 0.121 χ^2 /NDF: 2690261.6/83

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

diff_bpm0l07X_mean vs Slug



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

Left Out: -9.195 ± 2.364 $\chi^2/\text{NDF}: 27.6/24$

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

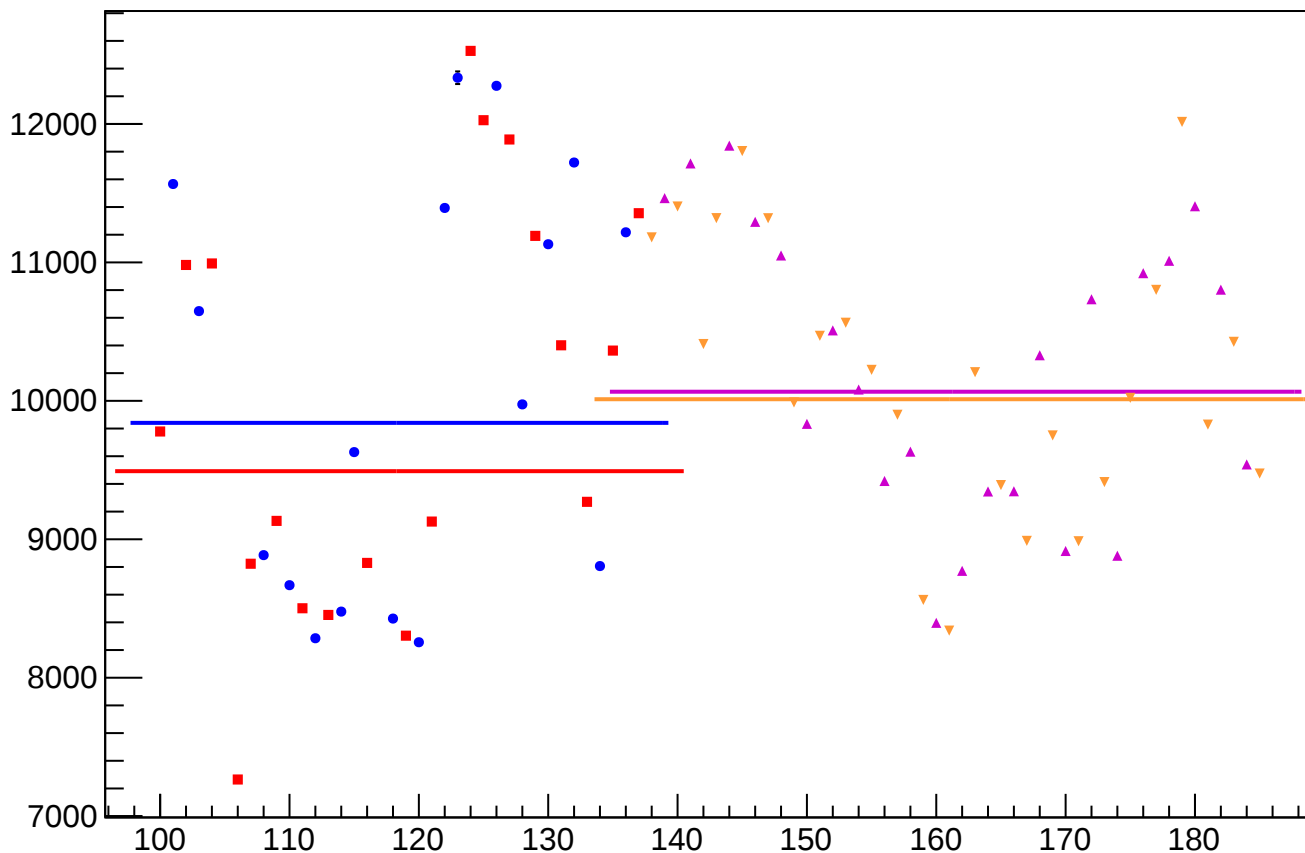
Left In: 13.485 ± 2.443 $\chi^2/\text{NDF}: 21.6/22$

+ sign 0.219 ± 2.014 $\chi^2/\text{NDF}: 131.9/41$

All: 3.066 ± 1.427 $\chi^2/\text{NDF}: 215.6/83$

- sign 5.934 ± 2.021 $\chi^2/\text{NDF}: 79.7/41$

diff_bpm0l07X_rms vs Slug



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

Left Out: 10011.683+/-1.672 χ^2/NDF : 341062.6/24

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

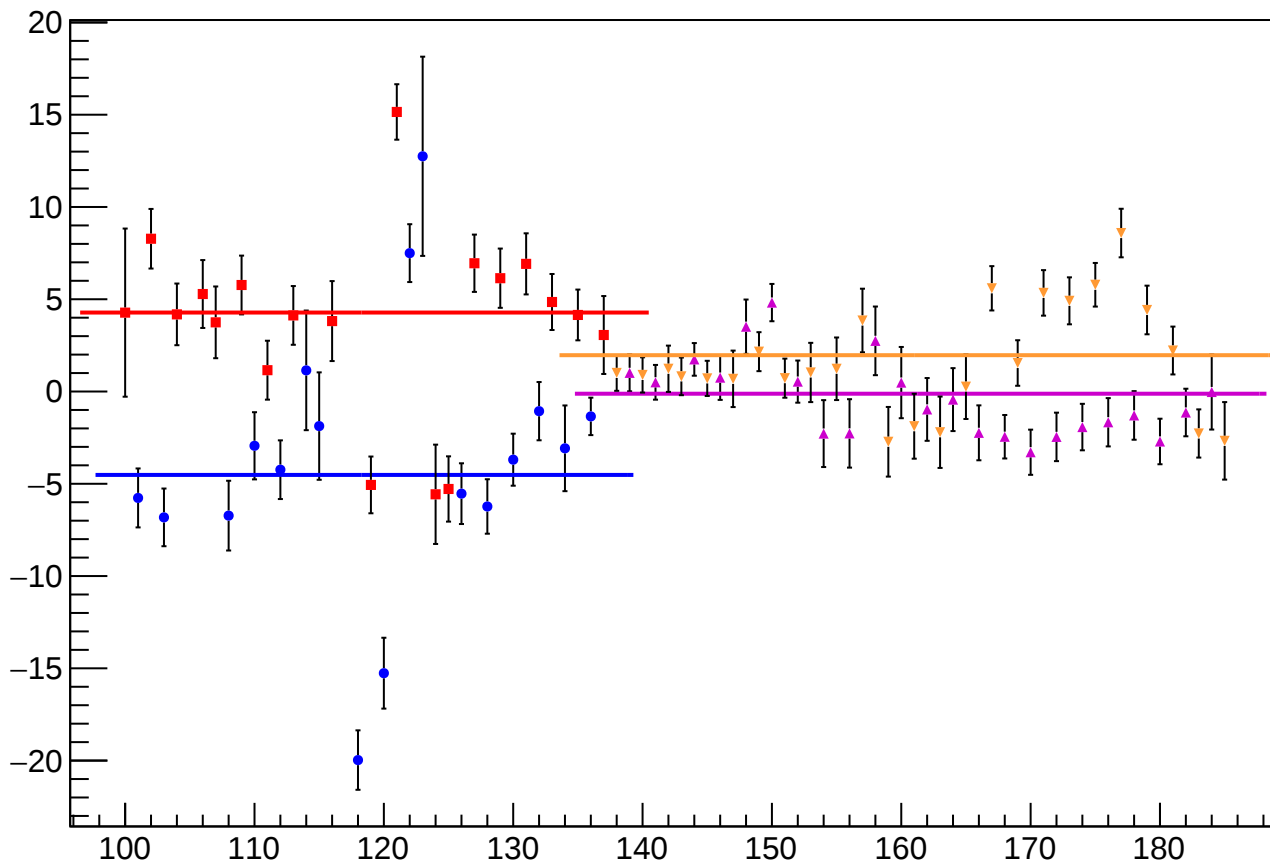
Left In: 10065.909+/-1.727 χ^2/NDF : 357868.9/22

+ sign 9964.833+/-1.424 χ^2/NDF : 603031.5/41

All: 9924.987+/-1.009 χ^2/NDF : 1271879.9/83

- 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: 1.968 ± 0.256 χ^2/NDF : 102.7/24

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

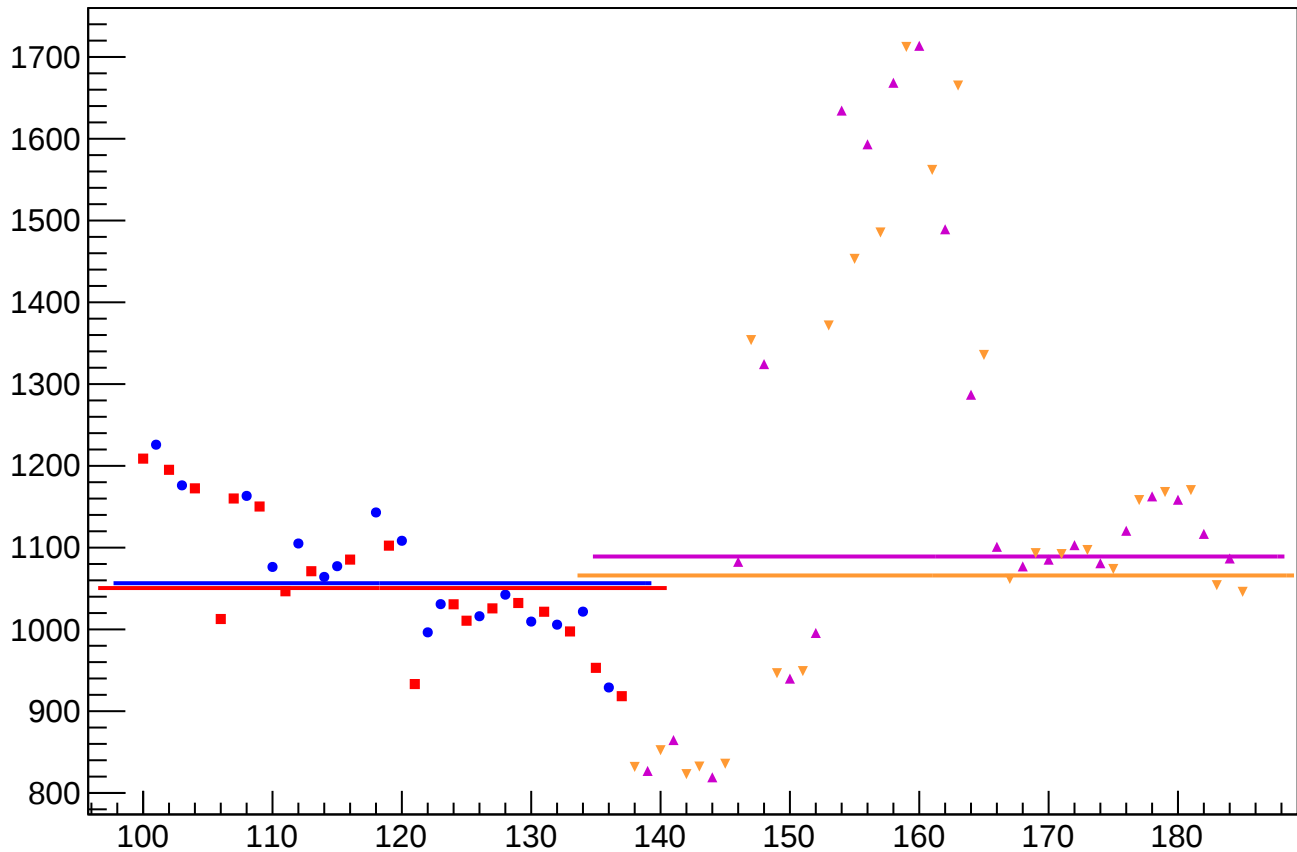
Left In: -0.120 ± 0.269 χ^2/NDF : 67.6/22

+ sign 0.140 ± 0.217 χ^2/NDF : 501.7/41

All: 0.694 ± 0.155 χ^2/NDF : 818.0/83

- 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: 1065.972+/-0.181 χ^2/NDF : 1600487.2/24

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

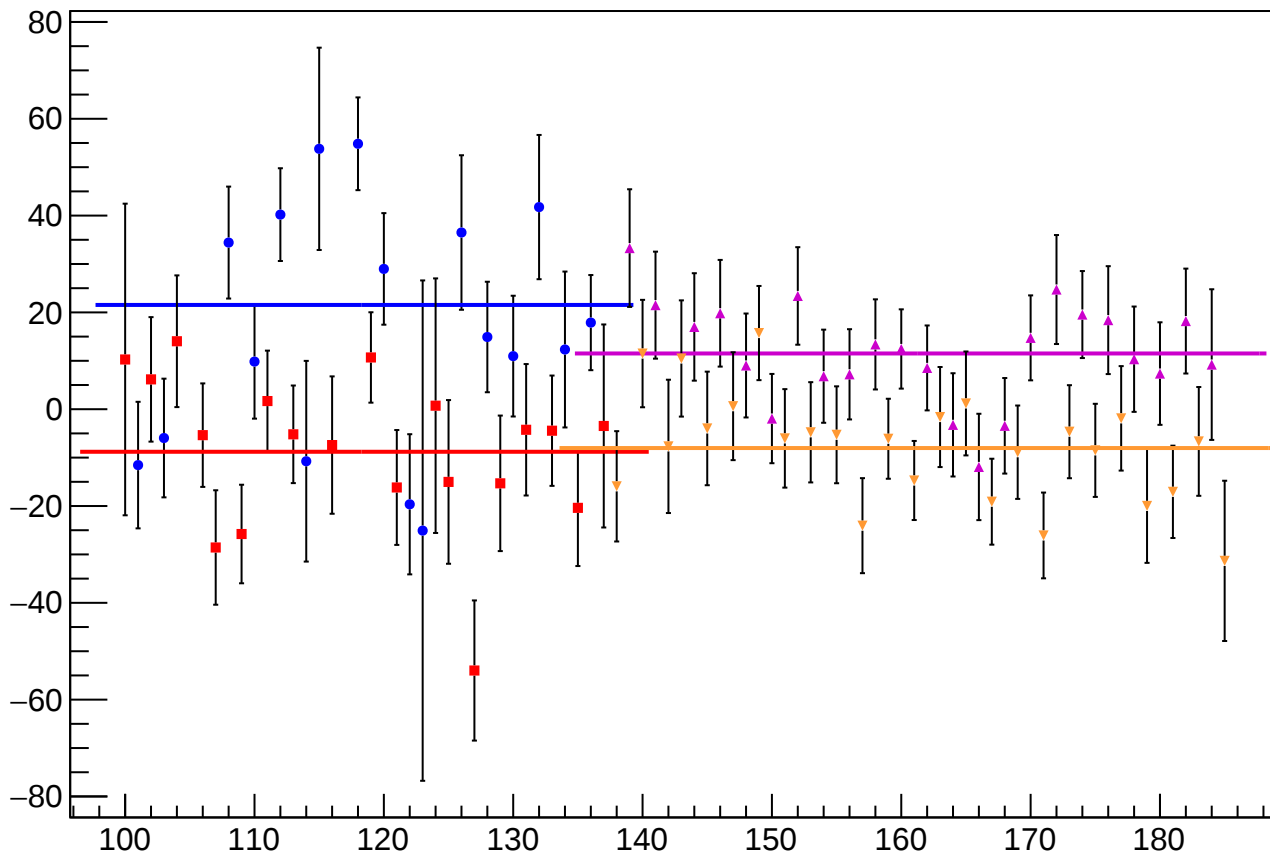
Left In: 1089.154+/-0.190 χ^2/NDF : 1430478.5/22

+ sign 1063.301+/-0.153 χ^2/NDF : 1692018.4/41

All: 1069.962+/-0.110 χ^2/NDF : 3221738.4/83

- 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: -8.023 $\pm$ 2.054 χ^2 /NDF: 27.5/24

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

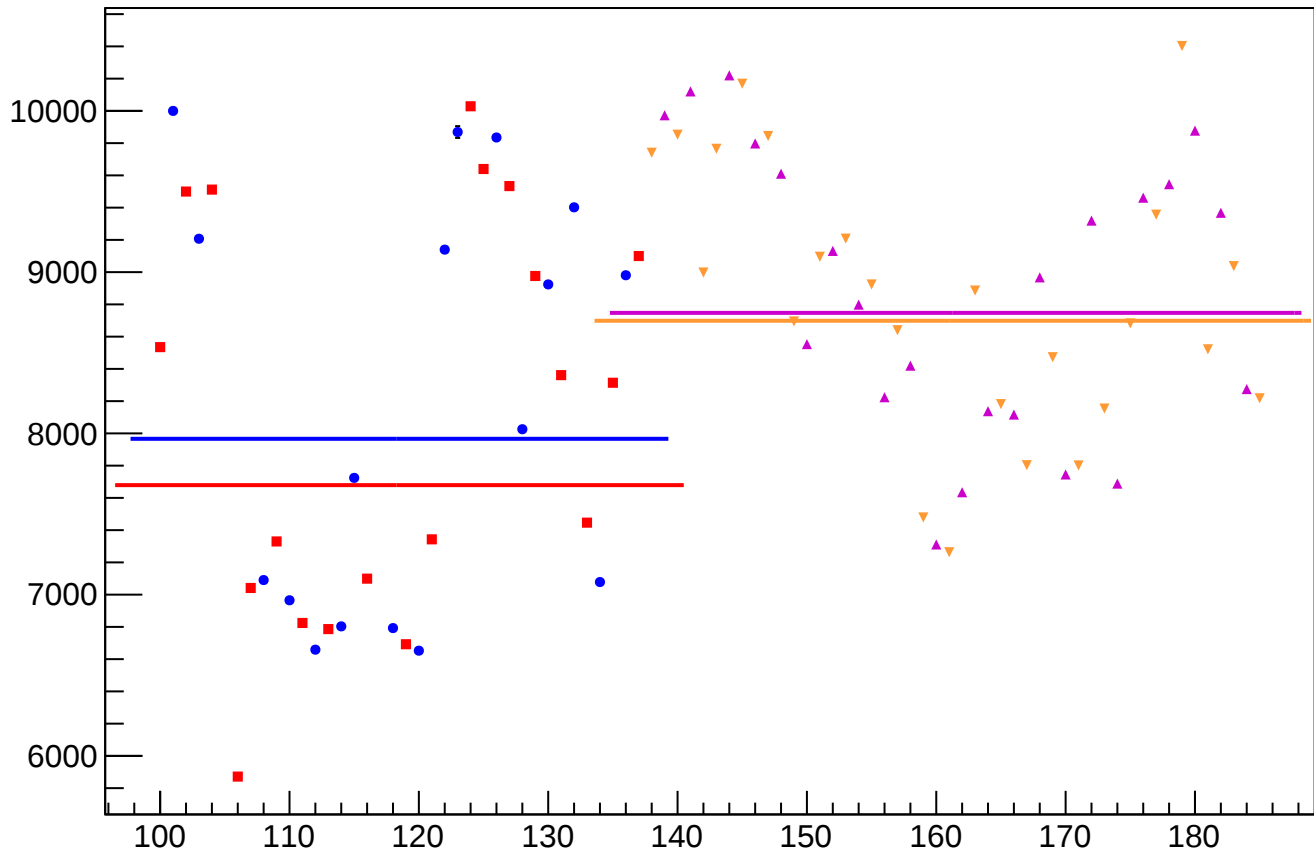
Left In: 11.515 $\pm$ 2.122 χ^2 /NDF: 21.0/22

+ sign 0.930 $\pm$ 1.715 χ^2 /NDF: 138.1/41

All: 2.704 $\pm$ 1.213 χ^2 /NDF: 220.6/83

- 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: 8698.450+/-1.452 χ^2/NDF : 329209.0/24

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

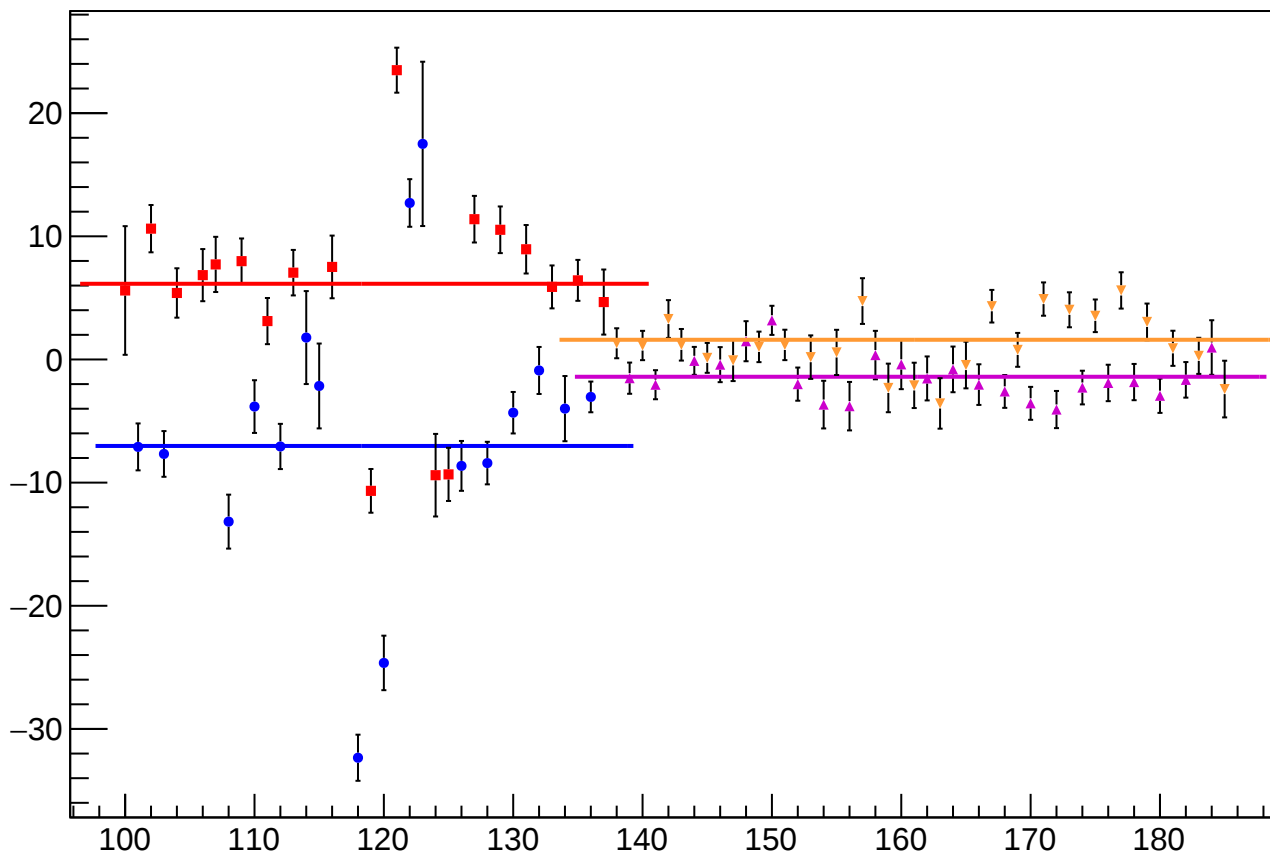
Left In: 8747.415+/-1.501 χ^2/NDF : 347110.4/22

+ sign 8476.777+/-1.212 χ^2/NDF : 701822.9/41

All: 8427.065+/-0.858 χ^2/NDF : 1540911.3/83

- 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: 1.599 ± 0.295 χ^2/NDF : 51.7/24

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

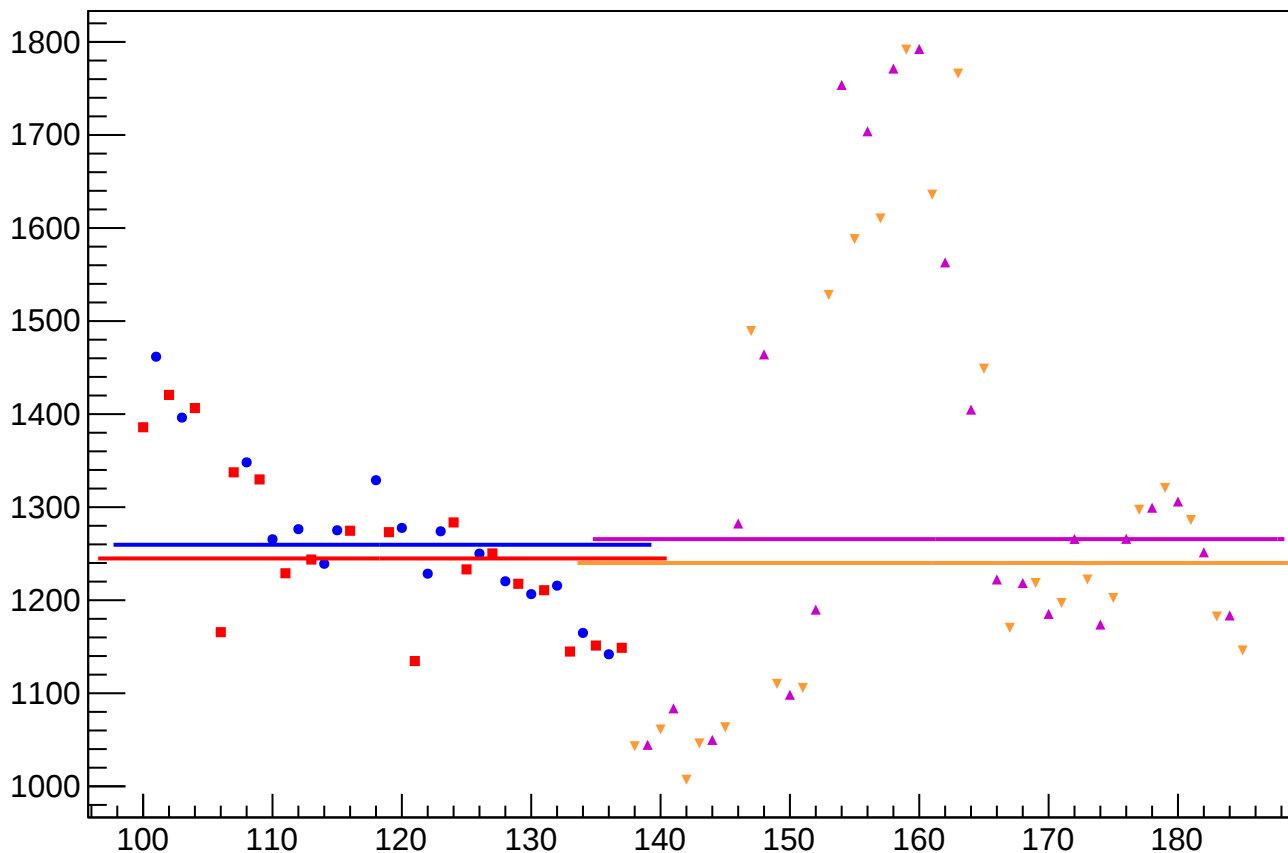
Left In: -1.404 ± 0.309 χ^2/NDF : 34.1/22

+ sign -0.713 ± 0.252 χ^2/NDF : 688.2/41

All: 0.072 ± 0.180 χ^2/NDF : 1202.2/83

- 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: 1240.019 $\pm$ 0.209 χ^2 /NDF: 958384.2/24

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

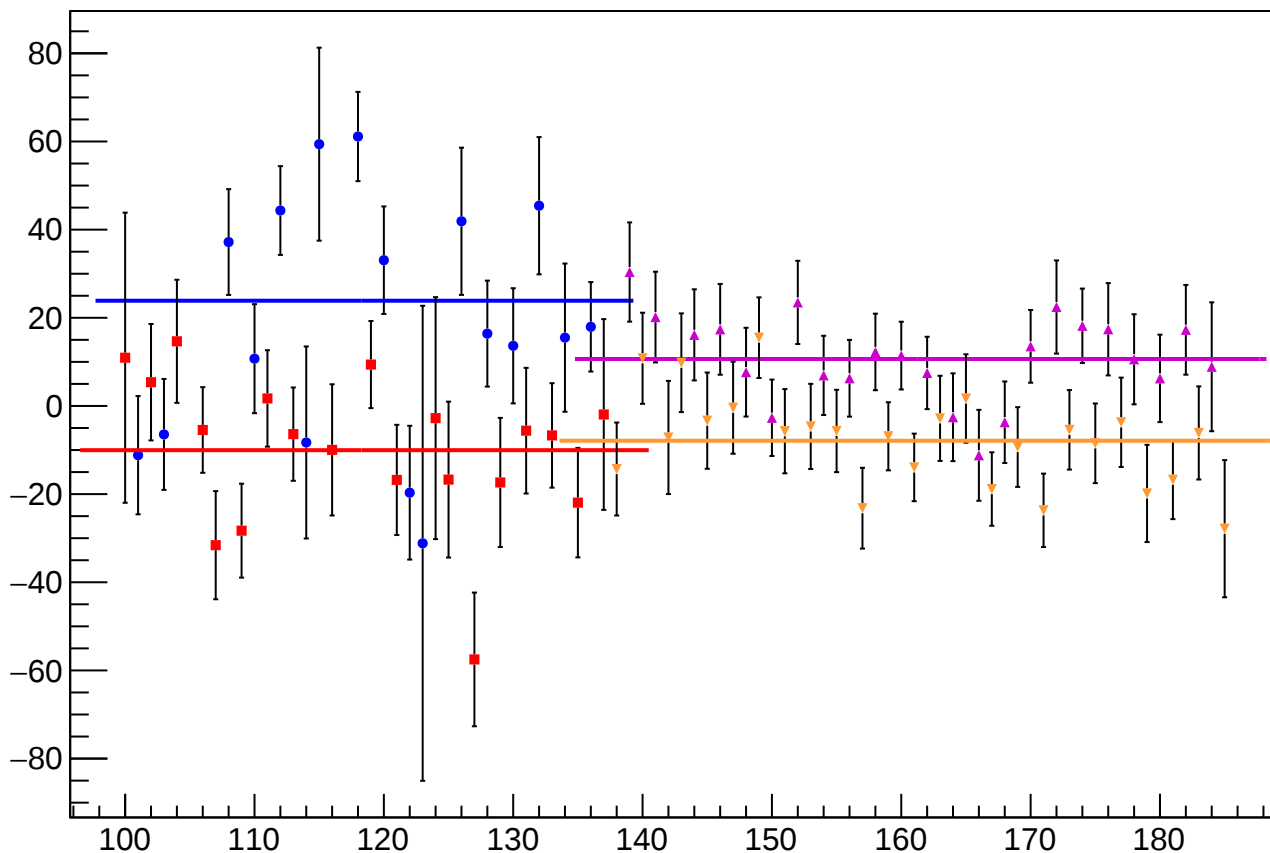
Left In: 1265.673 $\pm$ 0.218 χ^2 /NDF: 845157.0/22

+ sign 1245.272 $\pm$ 0.178 χ^2 /NDF: 1025566.7/41

All: 1252.159 $\pm$ 0.127 χ^2 /NDF: 1943345.6/83

- 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: -7.885 ± 1.923 $\chi^2/\text{NDF}: 27.6/24$

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

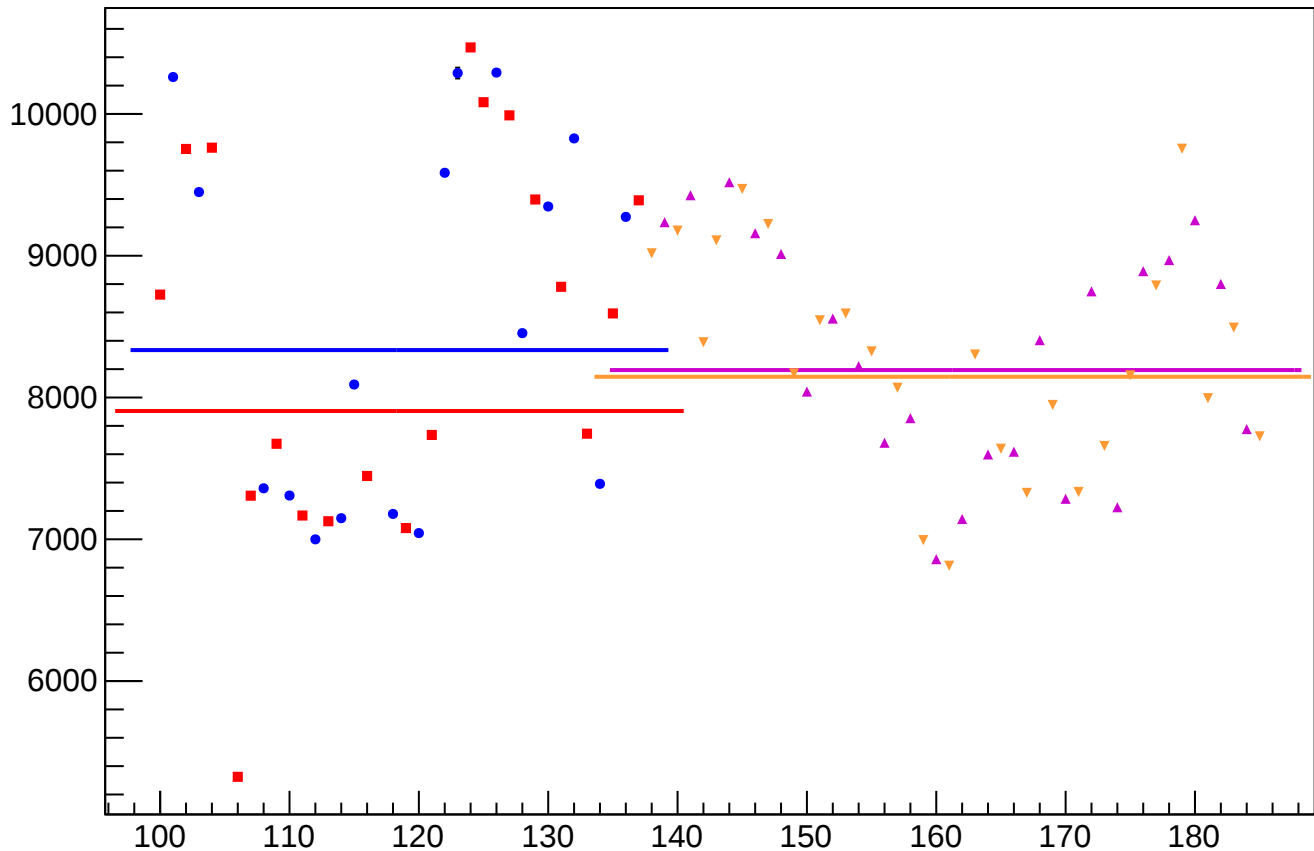
Left In: 10.653 ± 1.988 $\chi^2/\text{NDF}: 21.4/22$

+ sign 0.326 ± 1.656 $\chi^2/\text{NDF}: 150.2/41$

All: 2.343 ± 1.172 $\chi^2/\text{NDF}: 235.5/83$

- 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: 8146.289+/-1.360 χ^2/NDF : 318880.4/24

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

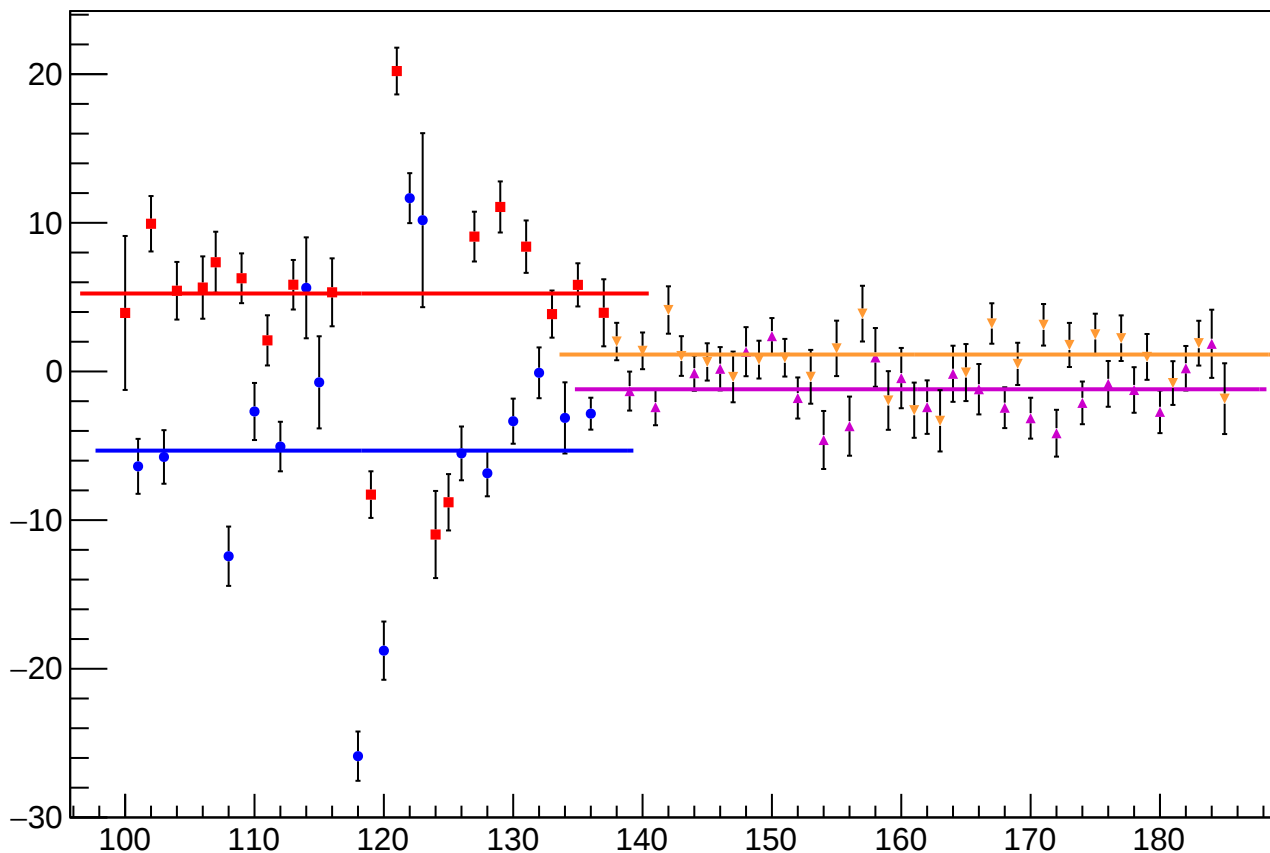
Left In: 8193.636+/-1.405 χ^2/NDF : 338377.6/22

+ sign 8194.931+/-1.171 χ^2/NDF : 595197.3/41

All: 8150.506+/-0.829 χ^2/NDF : 1337872.5/83

- 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: 1.139 ± 0.304 χ^2/NDF : 29.4/24

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

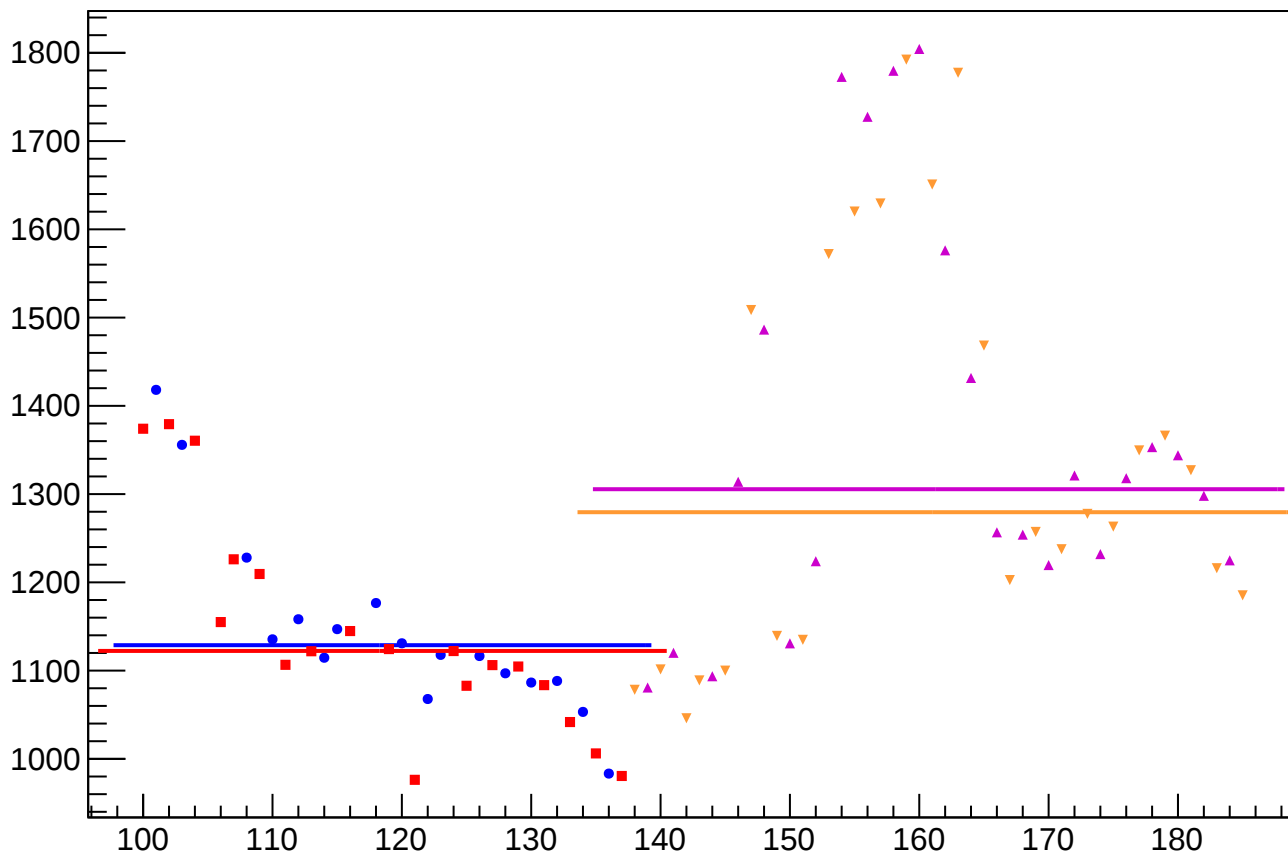
Left In: -1.198 ± 0.318 χ^2/NDF : 31.2/22

+ sign -0.962 ± 0.250 χ^2/NDF : 532.5/41

All: 0.067 ± 0.178 χ^2/NDF : 1029.8/83

- 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: 1279.490 $\pm$ 0.215 χ^2 /NDF: 871735.4/24

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

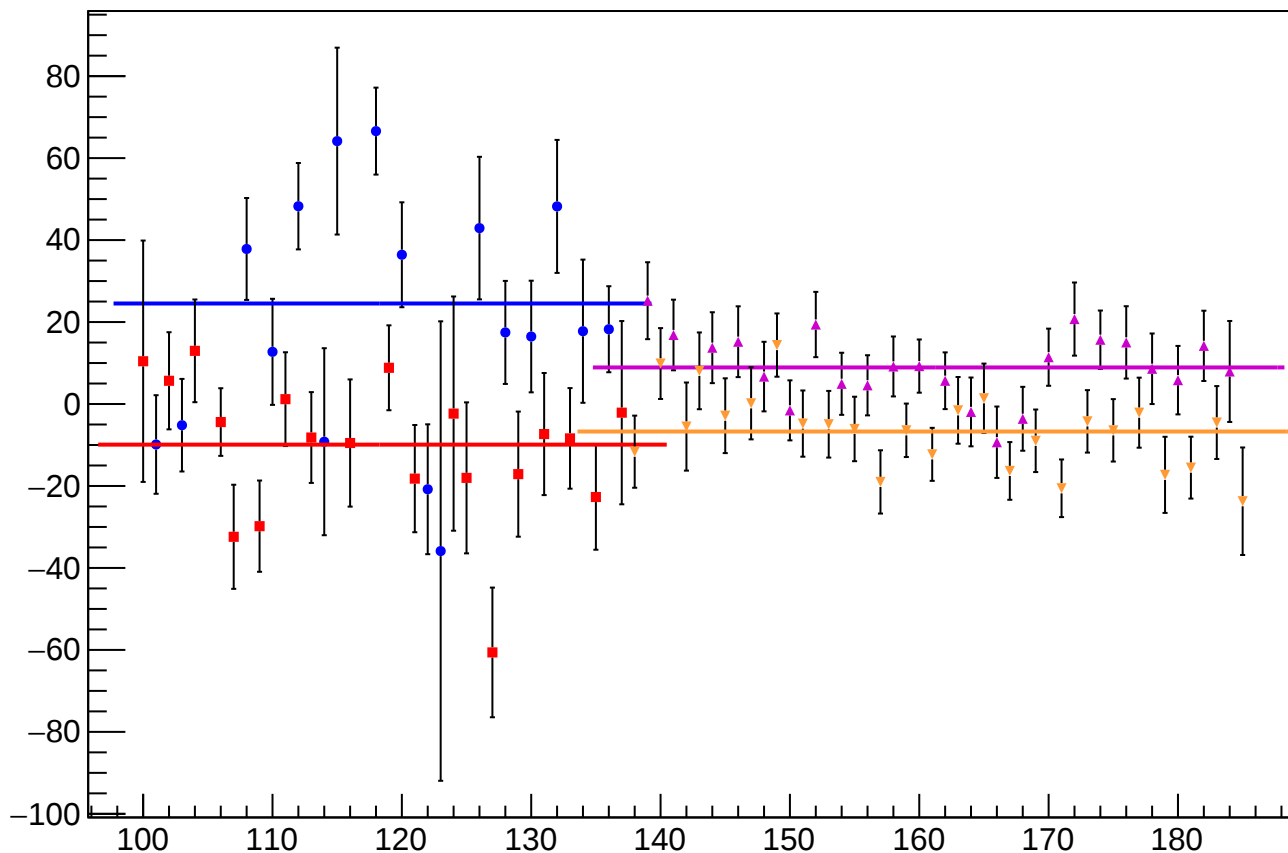
Left In: 1305.541 $\pm$ 0.225 χ^2 /NDF: 760450.8/22

+ sign 1230.499 $\pm$ 0.176 χ^2 /NDF: 1164849.8/41

All: 1234.777 $\pm$ 0.126 χ^2 /NDF: 2296252.1/83

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

diff_bpm0l10X_mean vs Slug



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

Left Out: -6.708 ± 1.620 $\chi^2/\text{NDF}: 30.1/24$

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

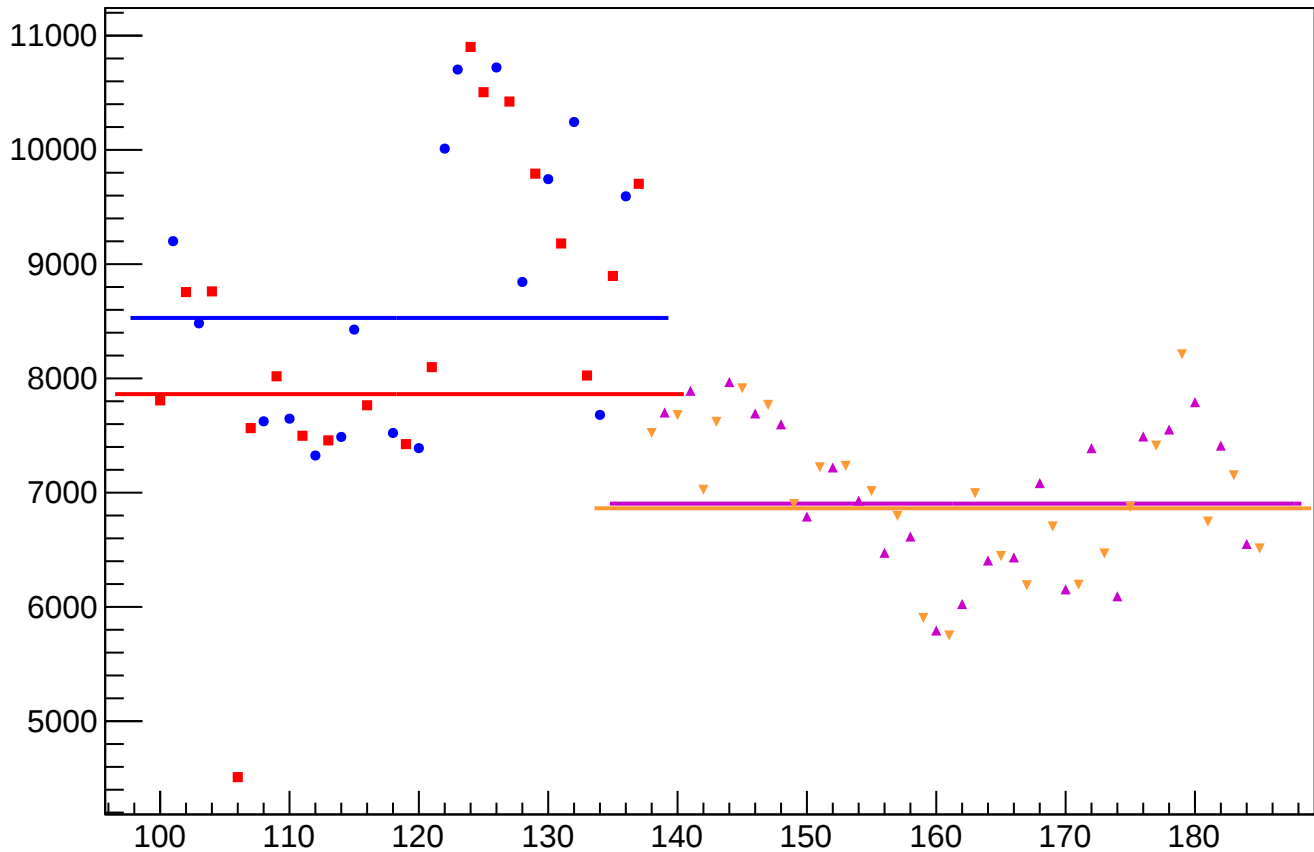
Left In: 8.923 ± 1.674 $\chi^2/\text{NDF}: 21.8/22$

+ sign -0.715 ± 1.456 $\chi^2/\text{NDF}: 159.2/41$

All: 1.866 ± 1.032 $\chi^2/\text{NDF}: 246.1/83$

- sign 4.473 ± 1.463 $\chi^2/\text{NDF}: 80.6/41$

diff_bpm0l10X_rms vs Slug



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

Left Out: 6863.160+/-1.145 χ^2/NDF : 304234.8/24

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

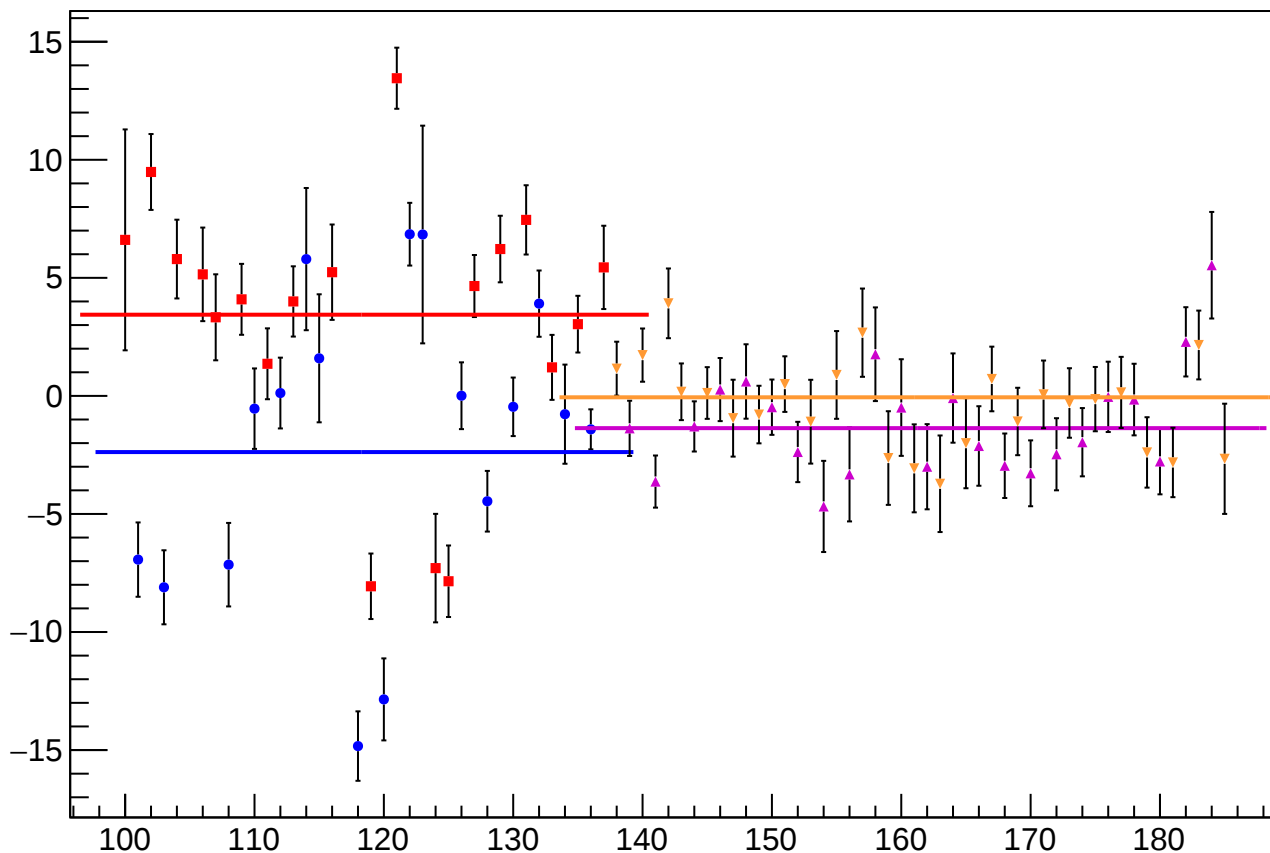
Left In: 6904.117+/-1.184 χ^2/NDF : 325912.6/22

+ sign 7182.776+/-1.029 χ^2/NDF : 917663.1/41

All: 7156.778+/-0.730 χ^2/NDF : 1952473.2/83

- 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: -0.059 ± 0.291 χ^2/NDF : 33.5/24

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

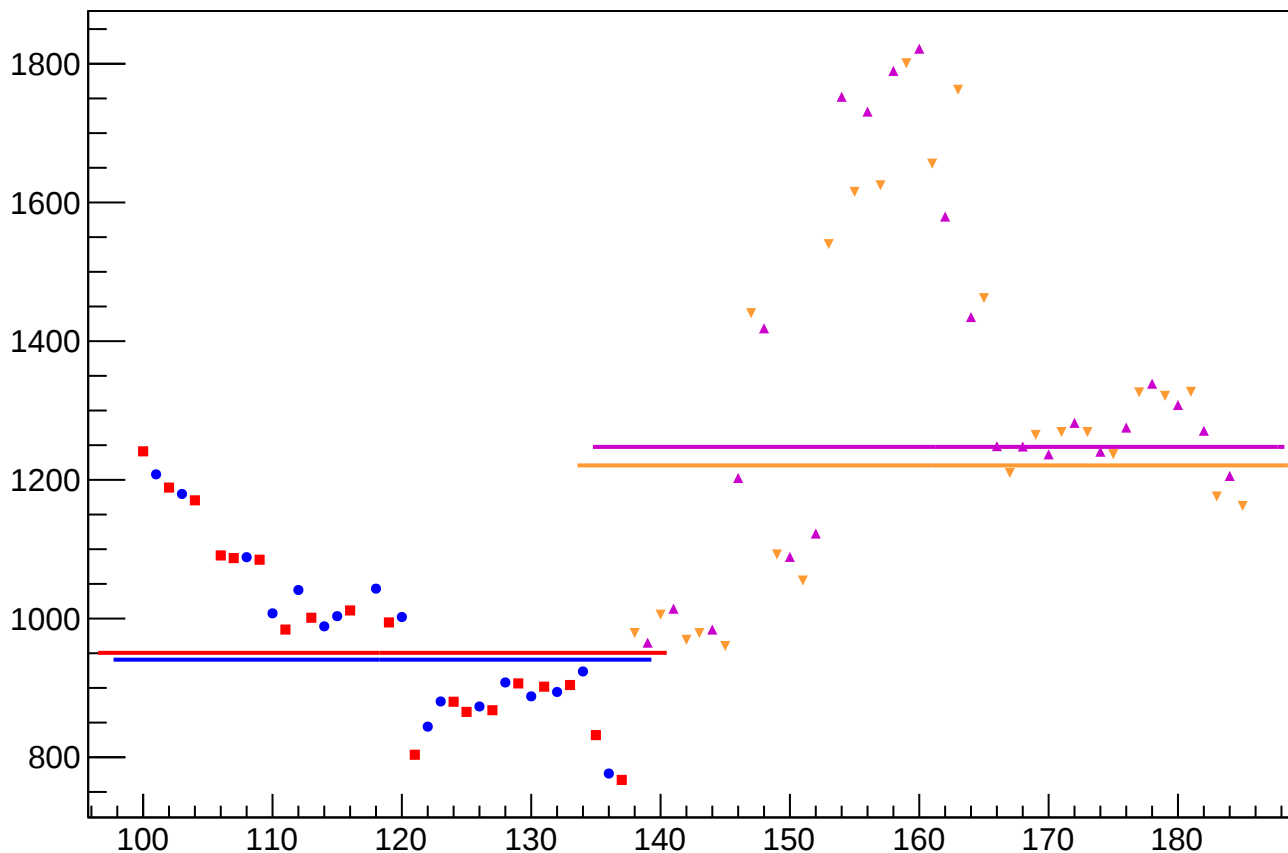
Left In: -1.365 ± 0.306 χ^2/NDF : 38.5/22

+ sign -0.958 ± 0.228 χ^2/NDF : 290.7/41

All: -0.169 ± 0.163 χ^2/NDF : 700.3/83

- 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: 1220.842 $\pm$ 0.206 χ^2 /NDF:1252788.9/24

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

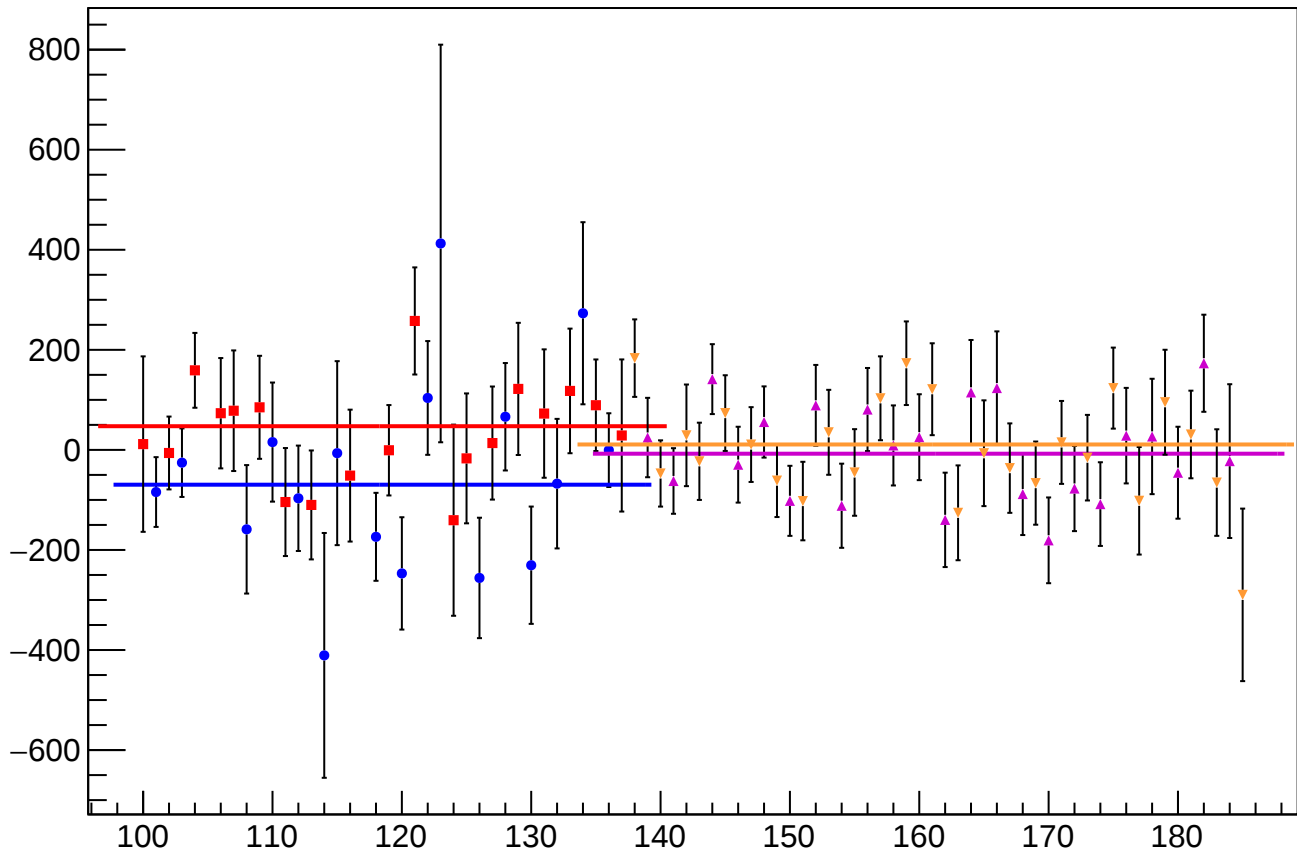
Left In: 1247.538 $\pm$ 0.216 χ^2 /NDF:1073390.3/22

+ sign 1112.272 $\pm$ 0.161 χ^2 /NDF: 2211039.0/41

All: 1117.414 $\pm$ 0.115 χ^2 /NDF: 4300867.8/83

- 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: 10.839 ± 17.212 χ^2/NDF : 27.3/24

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

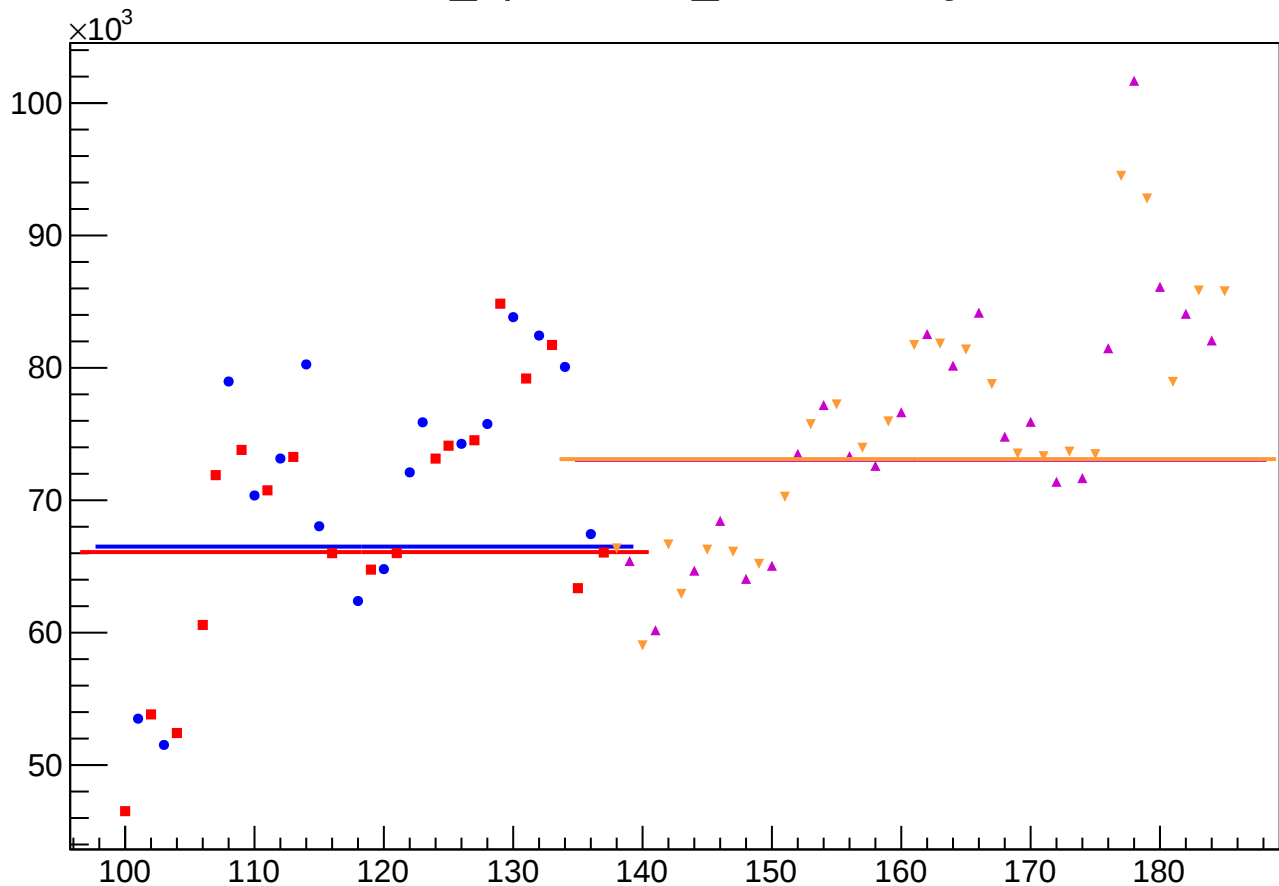
Left In: -7.618 ± 17.672 χ^2/NDF : 28.1/22

+ sign -13.683 ± 14.349 χ^2/NDF : 55.5/41

All: -1.599 ± 10.178 χ^2/NDF : 102.3/83

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

diff_bpm0r03X_rms vs Slug



Right In: 66500.038 ± 18.371 $\chi^2/\text{NDF}: 320048.0/16$

Left Out: 73108.447 ± 12.170 $\chi^2/\text{NDF}: 470497.7/24$

Right Out: 66086.098 ± 17.716 $\chi^2/\text{NDF}: 298277.2/18$

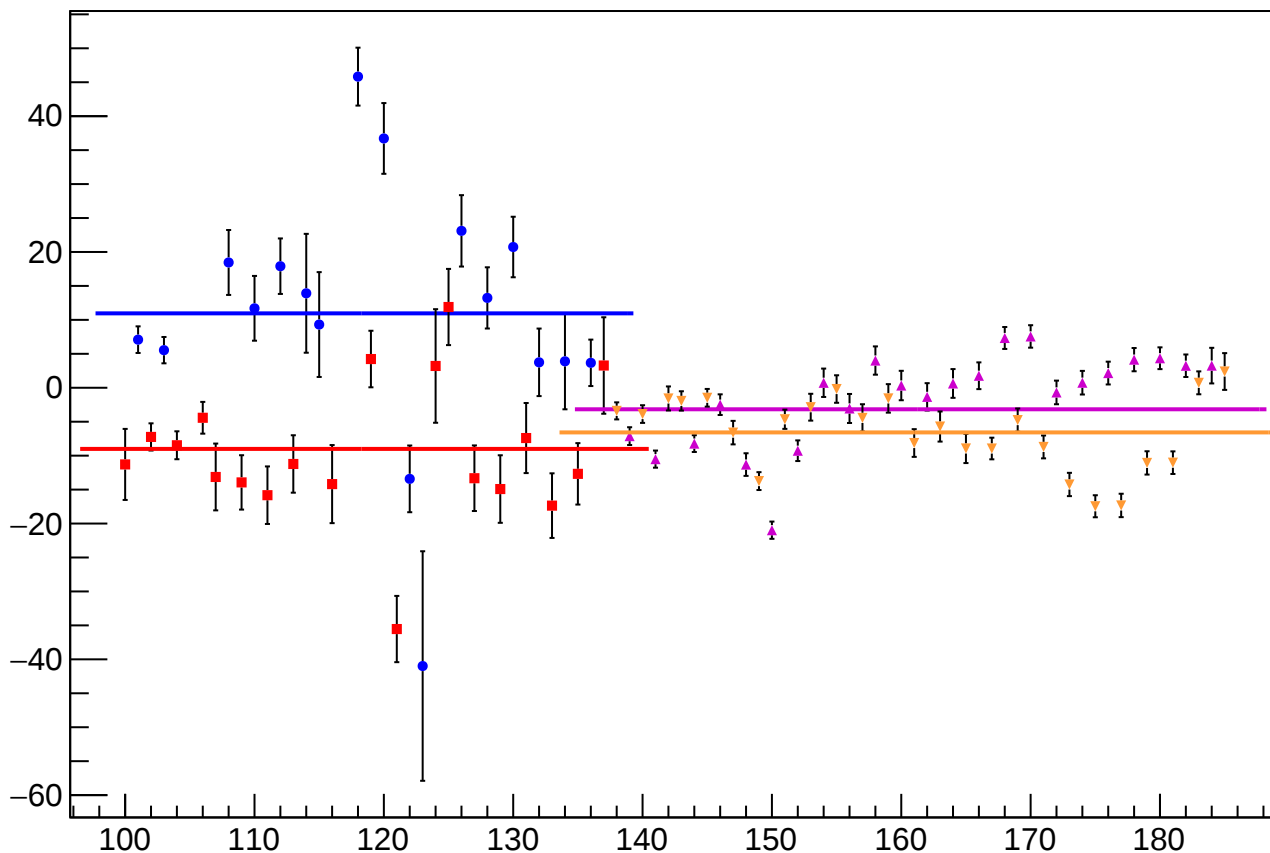
Left In: 73045.500 ± 12.496 $\chi^2/\text{NDF}: 463525.5/22$

+ sign 71092.823 ± 10.146 $\chi^2/\text{NDF}: 880473.6/41$

All: 70914.275 ± 7.197 $\chi^2/\text{NDF}: 1745950.6/8$

- sign 70733.426 ± 10.211 $\chi^2/\text{NDF}: 864853.6/41$

diff_bpm0r03Y_mean vs Slug



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

Left Out: -6.577 ± 0.333 χ^2/NDF : 251.0/24

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

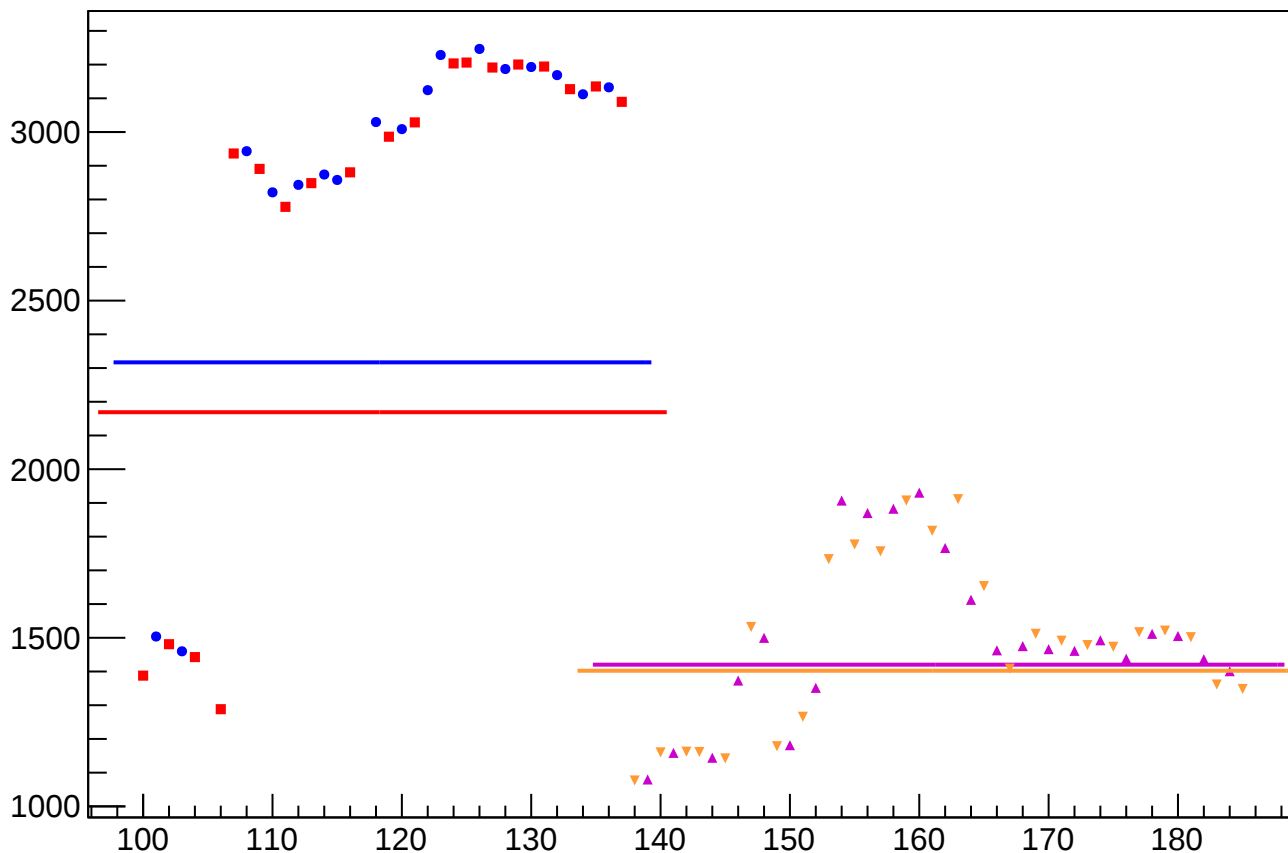
Left In: -3.171 ± 0.346 χ^2/NDF : 487.3/22

+ sign -4.635 ± 0.314 χ^2/NDF : 718.3/41

All: -4.312 ± 0.225 χ^2/NDF : 1322.4/83

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

diff_bpm0r03Y_rms vs Slug



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

Left Out: 1402.351 $\pm$ 0.236 χ^2 /NDF: 1031815.3/24

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

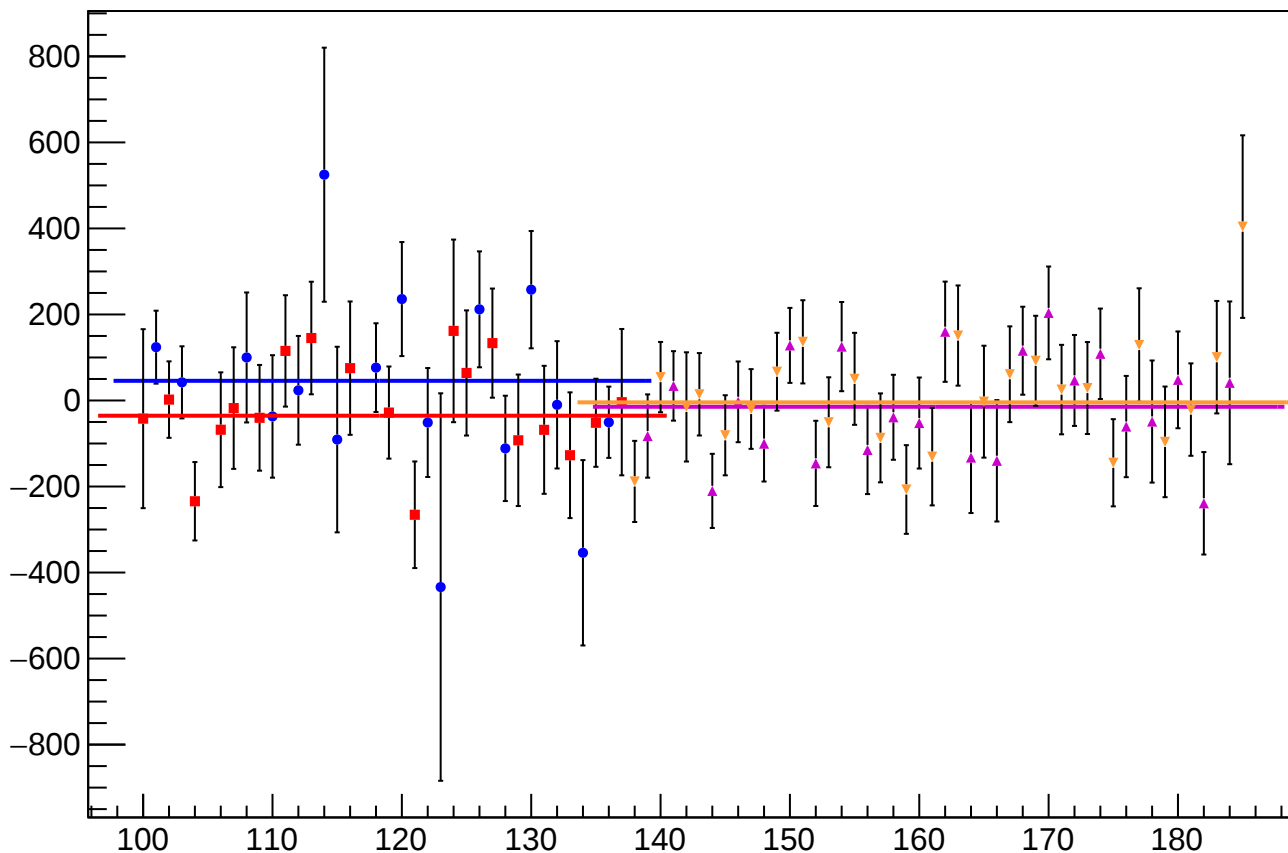
Left In: 1420.285 $\pm$ 0.245 χ^2 /NDF: 905186.2/22

+ sign 1503.654 $\pm$ 0.222 χ^2 /NDF: 4105435.8/41

All: 1513.276 $\pm$ 0.159 χ^2 /NDF: 8049556.2/83

- sign 1523.361 $\pm$ 0.227 χ^2 /NDF: 3940280.0/41

diff_bpm0r05X_mean vs Slug



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

Left Out: -4.326 ± 21.293 χ^2/NDF : 25.0/24

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

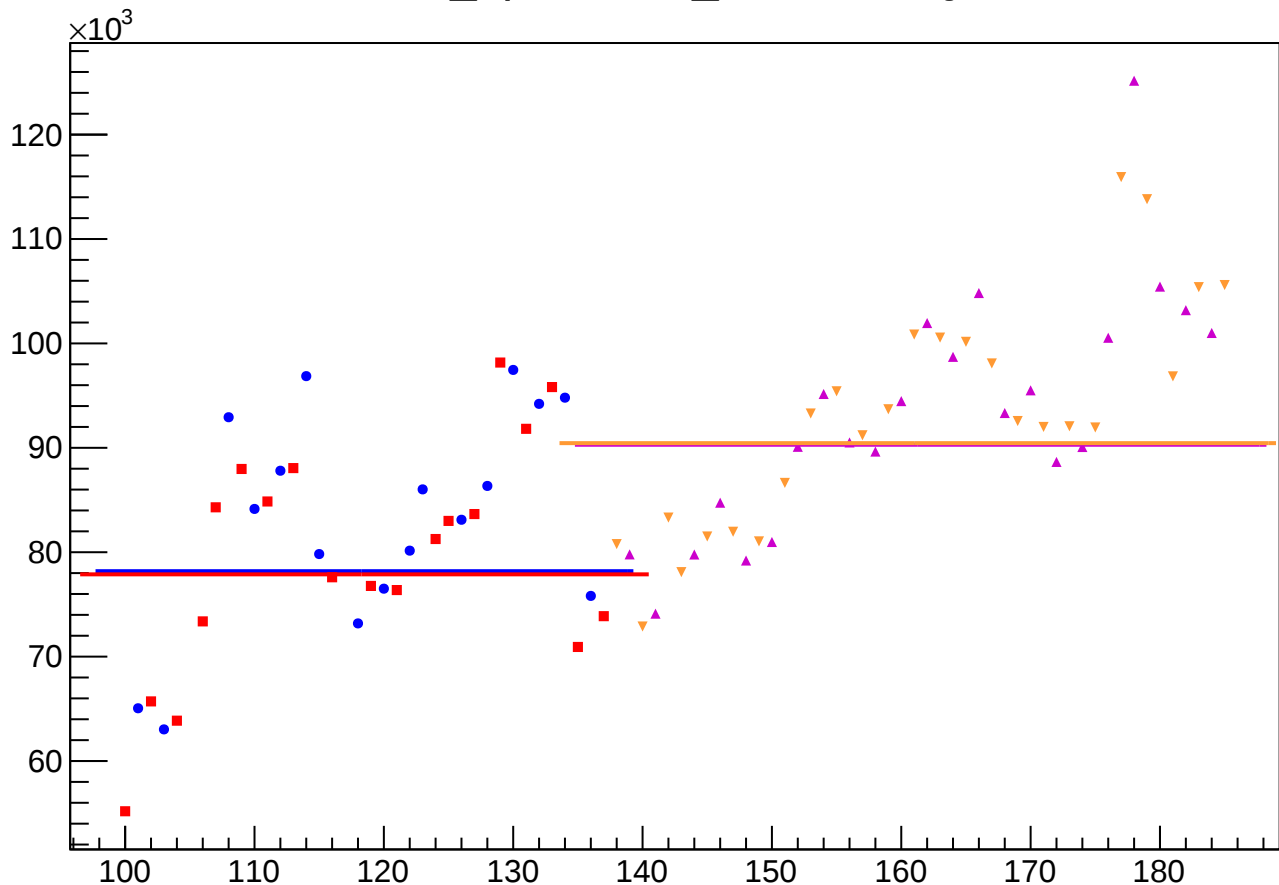
Left In: -14.611 ± 21.846 χ^2/NDF : 29.8/22

+ sign 12.102 ± 17.454 χ^2/NDF : 45.6/41

All: -4.843 ± 12.377 χ^2/NDF : 93.6/83

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

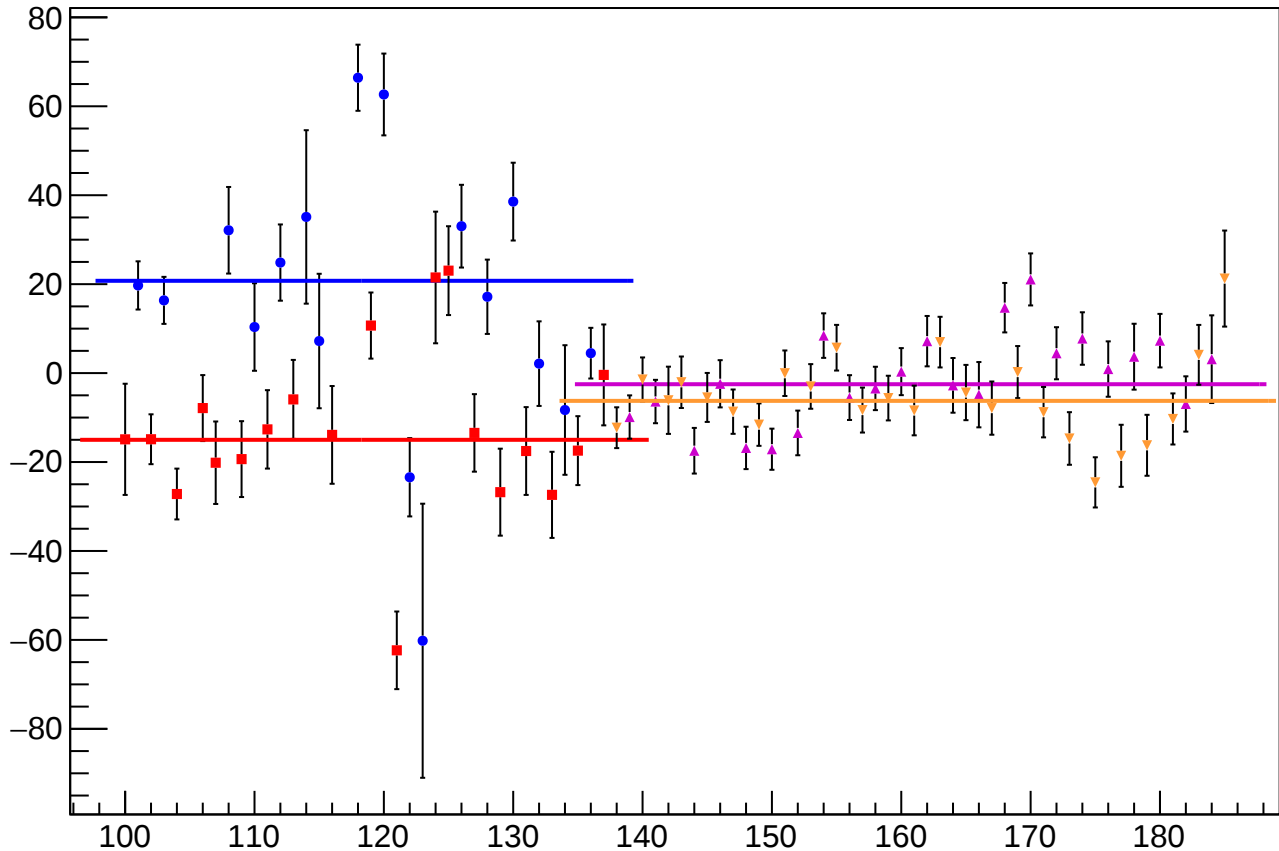
diff_bpm0r05X_rms vs Slug



Right In: 78183.588 $\pm$ 21.548 χ^2 /NDF: 250278.3/16
 Left Out: 90448.273 $\pm$ 15.057 χ^2 /NDF: 459417.2/24
 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 86424.596 $\pm$ 12.342 χ^2 /NDF: 927377.2/41
 All: 86160.487 $\pm$ 8.752 χ^2 /NDF: 1865794.0/8
 - sign 85893.415 $\pm$ 12.411 χ^2 /NDF: 937495.9/41

diff_bpm0r05Y_mean vs Slug



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

Left Out: -6.245 $\pm$ 1.127 χ^2 /NDF: 46.5/24

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

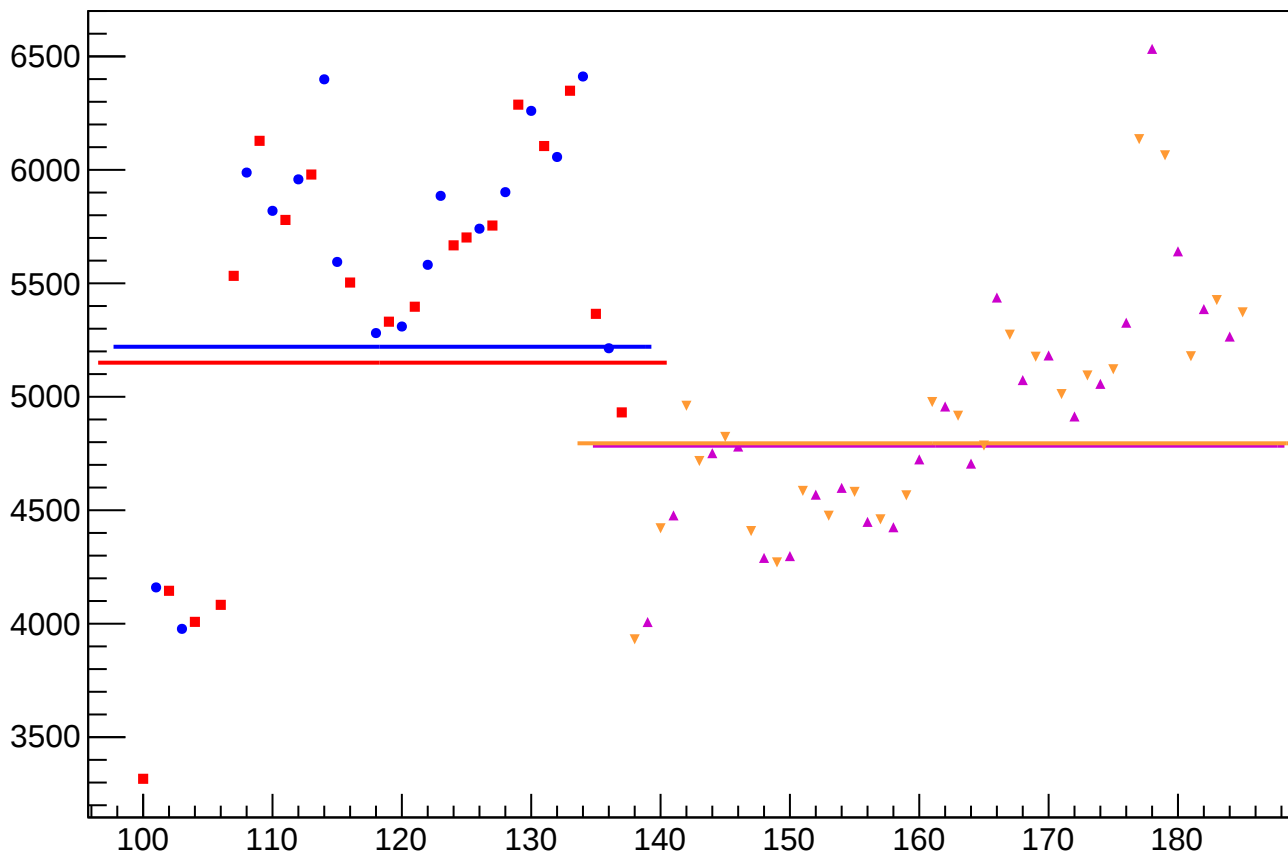
Left In: -2.501 $\pm$ 1.156 χ^2 /NDF: 78.4/22

+ sign 0.077 $\pm$ 0.986 χ^2 /NDF: 298.2/41

All: -2.802 $\pm$ 0.701 χ^2 /NDF: 498.1/83

- sign -5.734 $\pm$ 0.995 χ^2 /NDF: 182.7/41

diff_bpm0r05Y_rms vs Slug



Right In: 5220.495 $\pm$ 1.441 χ^2 /NDF: 311533.7/16

Left Out: 4795.015 $\pm$ 0.797 χ^2 /NDF:361470.0/24

Right Out: 5150.309 $\pm$ 1.384 χ^2 /NDF: 387575.3/18

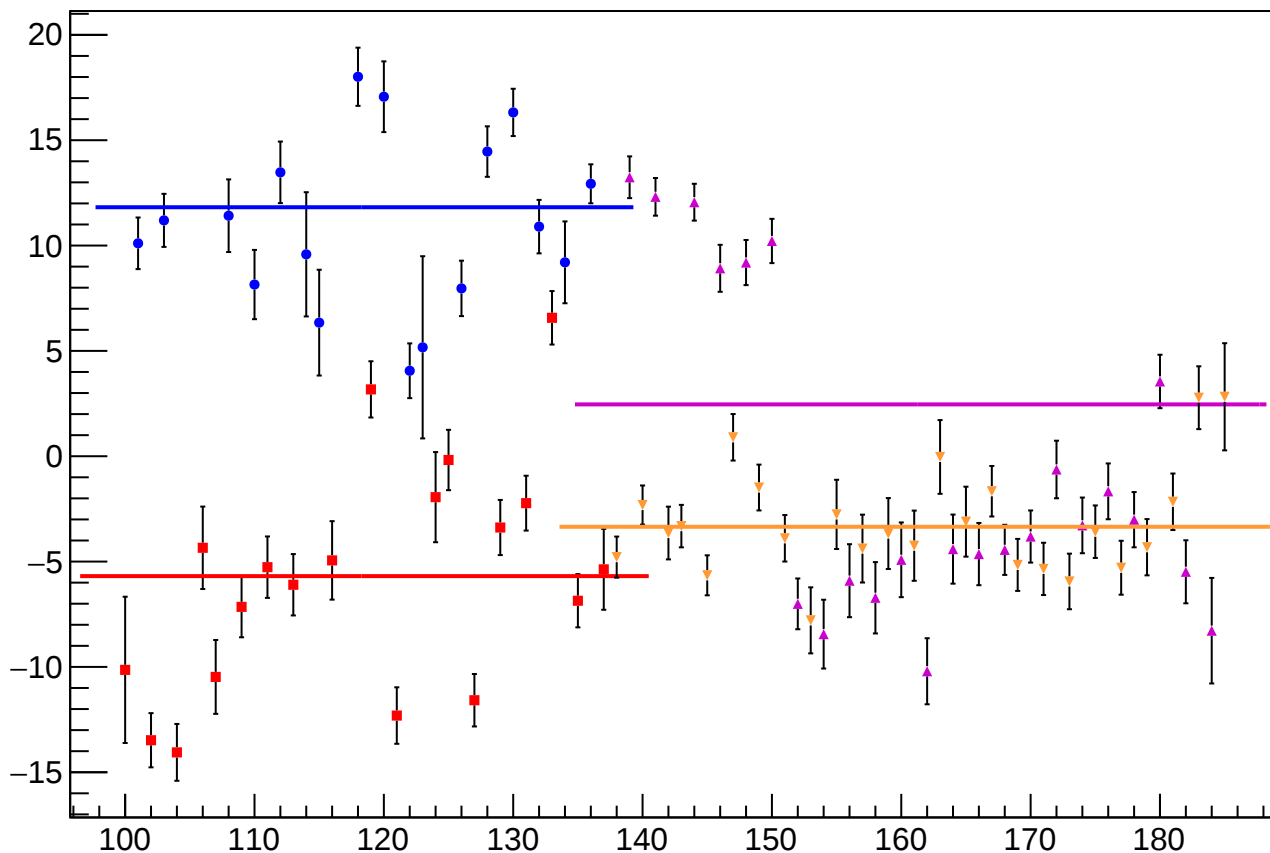
Left In: 4784.434 $\pm$ 0.817 χ^2 /NDF:357507.2/22

+ sign 4894.636 $\pm$ 0.698 χ^2 /NDF: 739729.2/41

All: 4886.901 $\pm$ 0.495 χ^2 /NDF: 1536863.7/83

- sign 4879.026 $\pm$ 0.704 χ^2 /NDF: 796886.4/41

diff_bpm2i01X_mean vs Slug



Right In: 11.819 ± 0.345 χ^2/NDF : 115.1/16

Left Out: -3.348 ± 0.254 χ^2/NDF : 76.9/24

Right Out: -5.691 ± 0.339 χ^2/NDF : 299.2/18

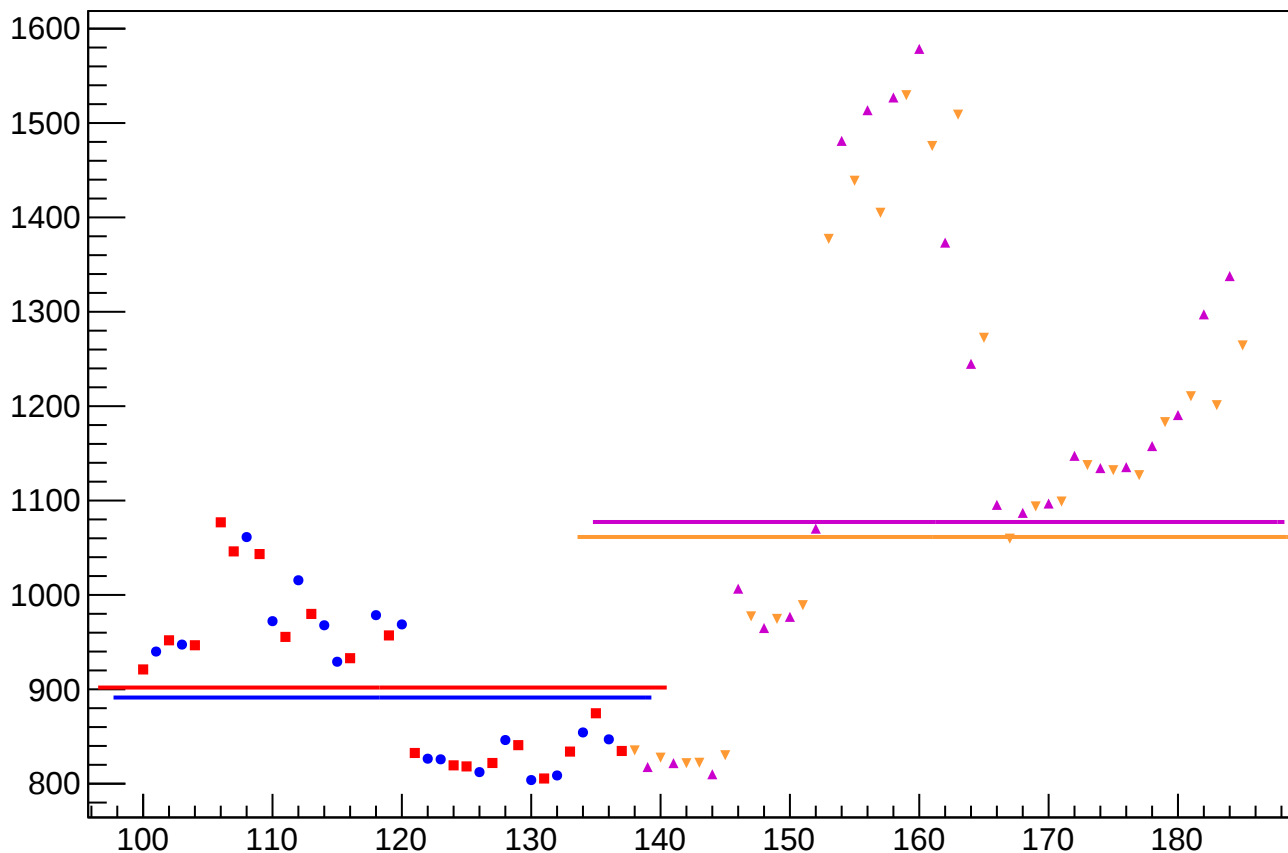
Left In: 2.461 ± 0.264 χ^2/NDF : 928.0/22

+ sign 1.969 ± 0.204 χ^2/NDF : 1445.9/41

All: 0.700 ± 0.146 χ^2/NDF : 3111.1/83

- sign -0.620 ± 0.209 χ^2/NDF : 1586.5/41

diff_bpm2i01X_rms vs Slug



Right In: 891.299+/-0.244 χ^2/NDF : 101327.8/16

Left Out: 1061.402+/-0.179 χ^2/NDF :1384497.6/24

Right Out: 901.879+/-0.240 χ^2/NDF : 114242.3/18

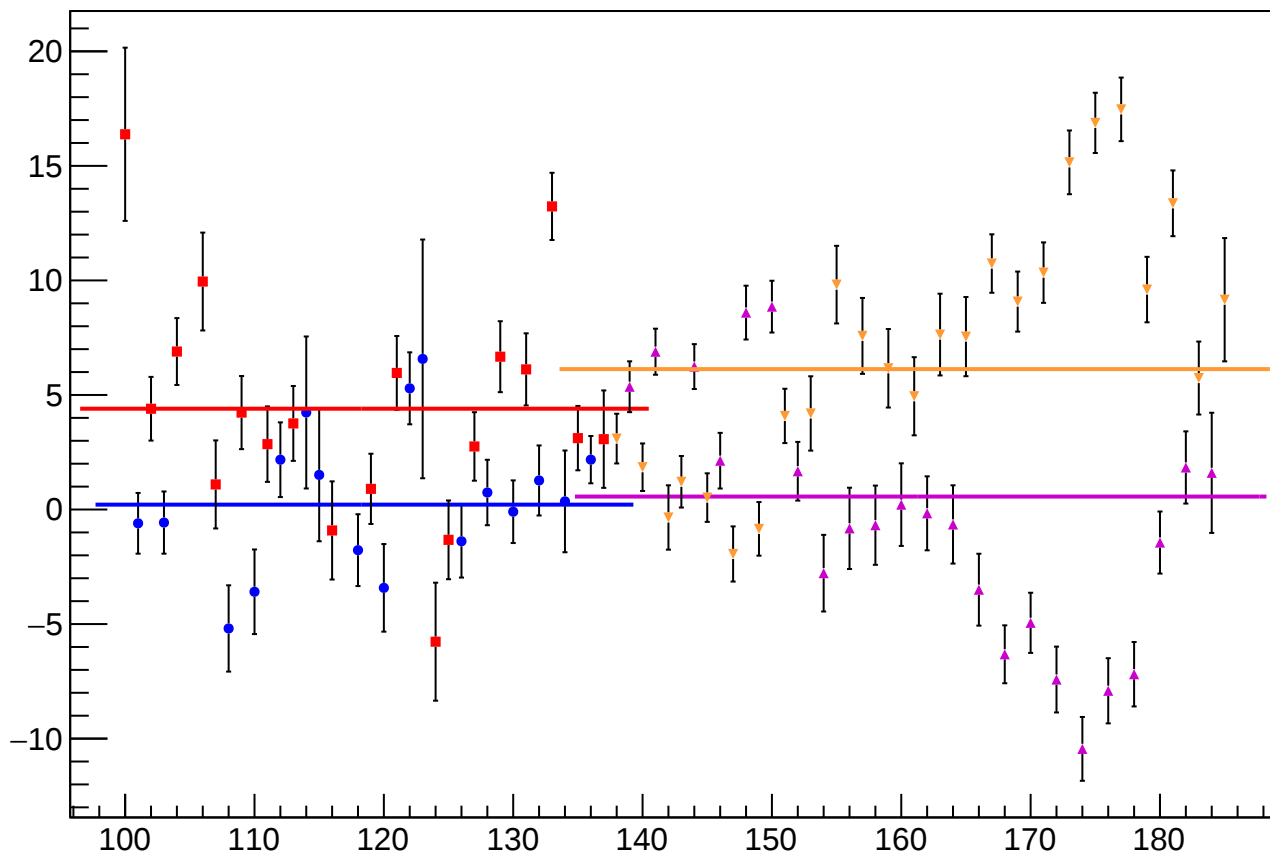
Left In: 1077.284+/-0.187 χ^2/NDF :1280349.9/22

+ sign 1001.772+/-0.145 χ^2/NDF : 1801294.6/41

All: 1006.286+/-0.103 χ^2/NDF : 3530673.3/83

- sign 1010.984+/-0.147 χ^2/NDF : 1727387.4/41

diff_bpm2i01Y_mean vs Slug



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

Left Out: 6.129 ± 0.273 χ^2/NDF : 422.0/24

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

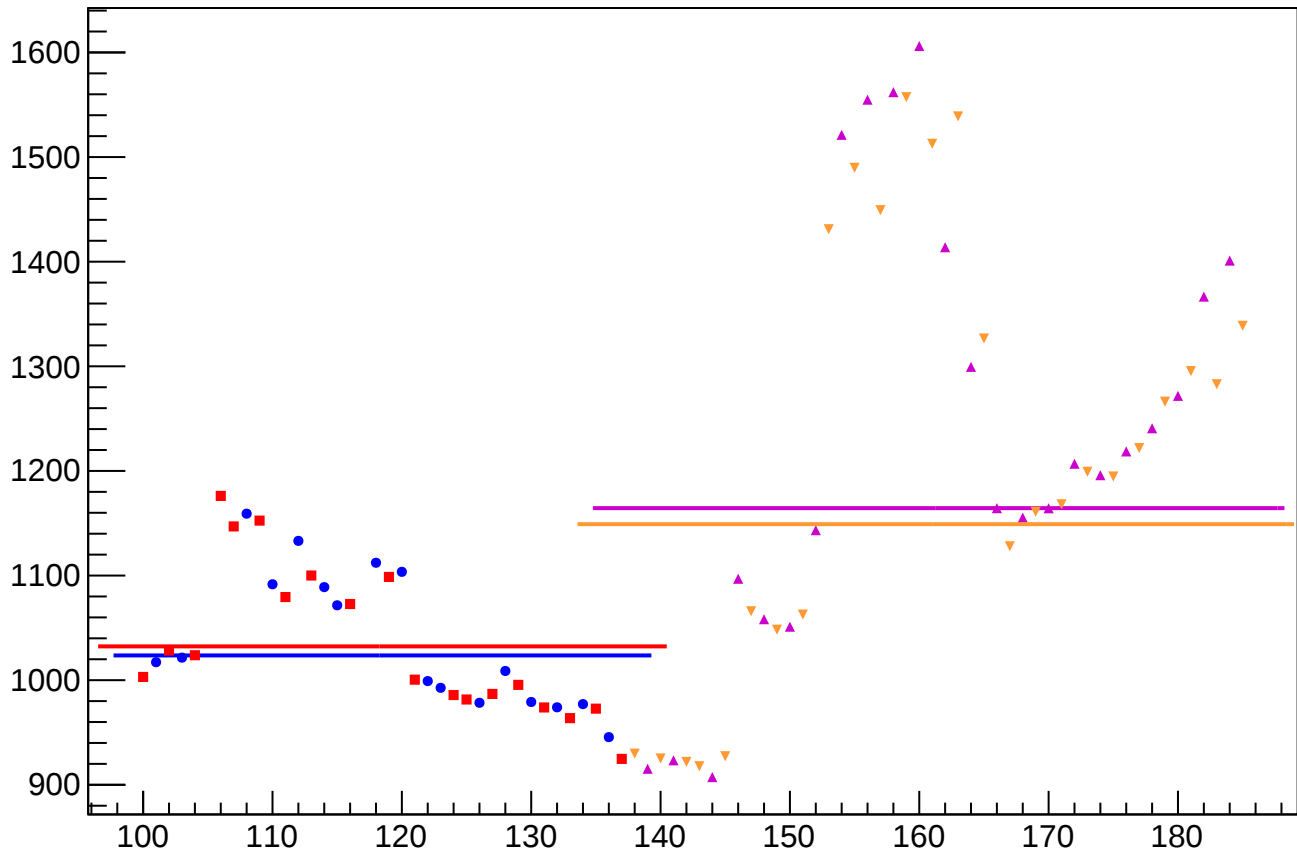
Left In: 0.566 ± 0.284 χ^2/NDF : 417.0/22

+ sign 4.221 ± 0.225 χ^2/NDF : 612.2/41

All: 3.087 ± 0.160 χ^2/NDF : 1249.7/83

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

diff_bpm2i01Y_rms vs Slug



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

Left Out: 1149.120 $\pm$ 0.193 χ^2 /NDF: 1032202.5/24

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

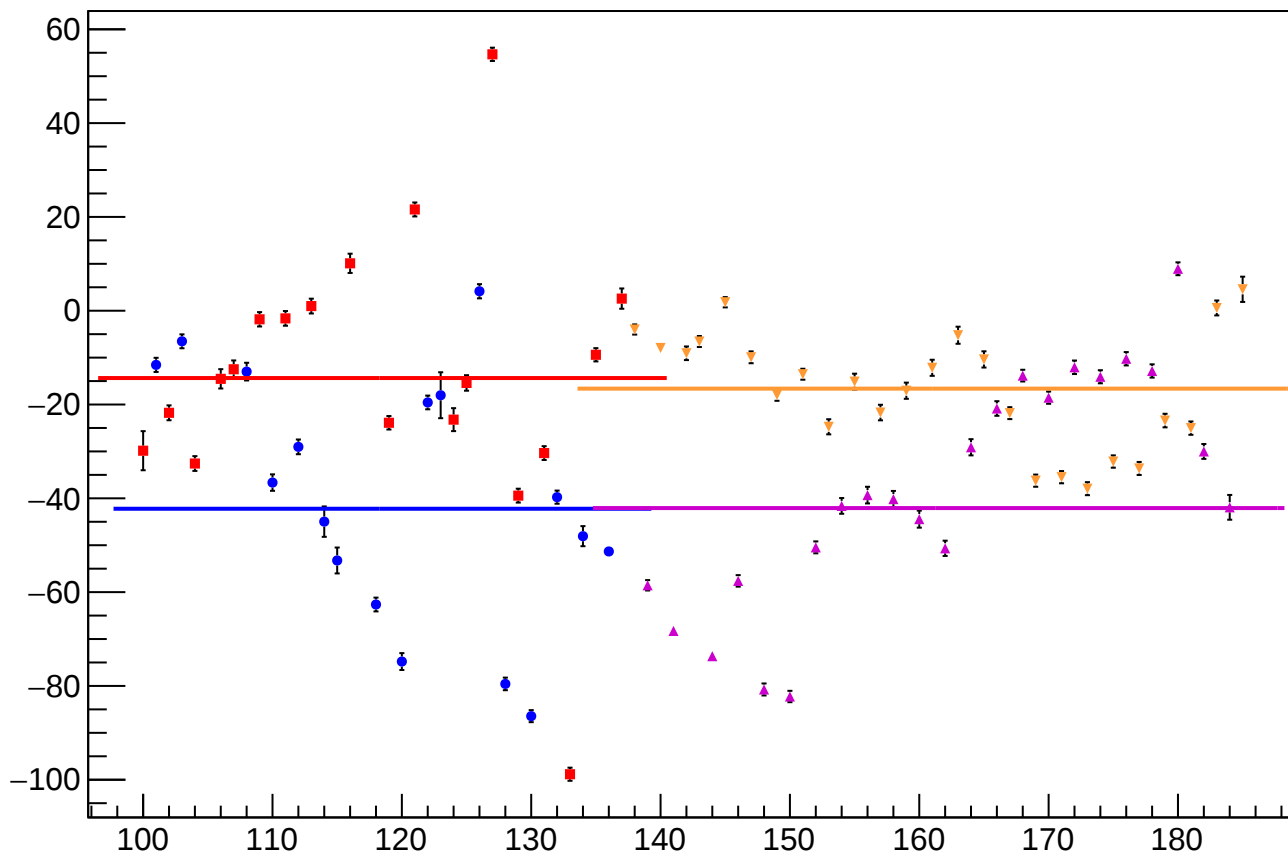
Left In: 1164.432 $\pm$ 0.201 χ^2 /NDF: 944112.0/22

+ sign 1108.653 $\pm$ 0.159 χ^2 /NDF: 1220749.9/41

All: 1113.344 $\pm$ 0.113 χ^2 /NDF: 2377175.9/83

- sign 1118.222 $\pm$ 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: -16.611 ± 0.277 χ^2/NDF : 1930.5/24

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

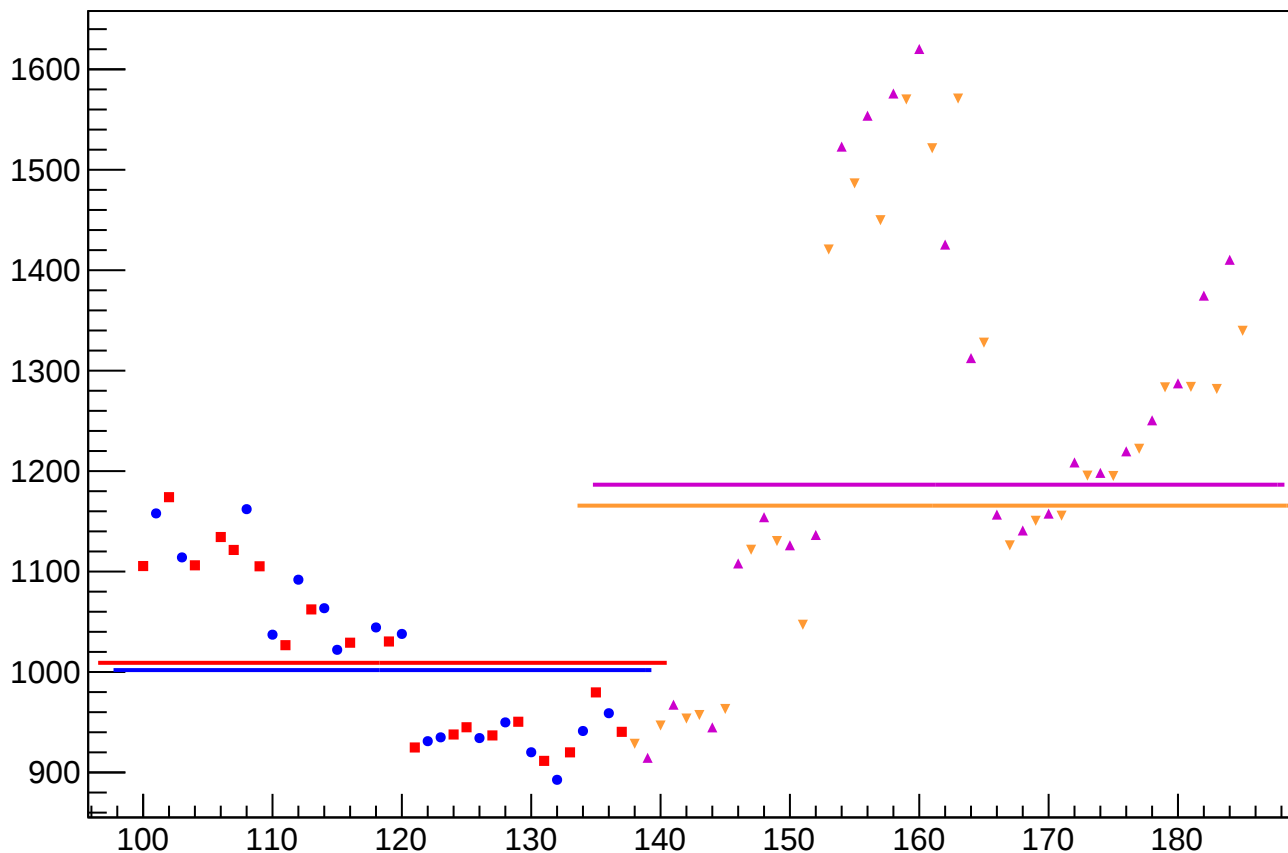
Left In: -42.077 ± 0.289 χ^2/NDF : 8332.3/22

+ sign -25.242 ± 0.225 χ^2/NDF : 9918.2/41

All: -28.495 ± 0.161 χ^2/NDF : 29724.9/83

- 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: 1165.629 $\pm$ 0.196 χ^2 /NDF: 925115.8/24

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

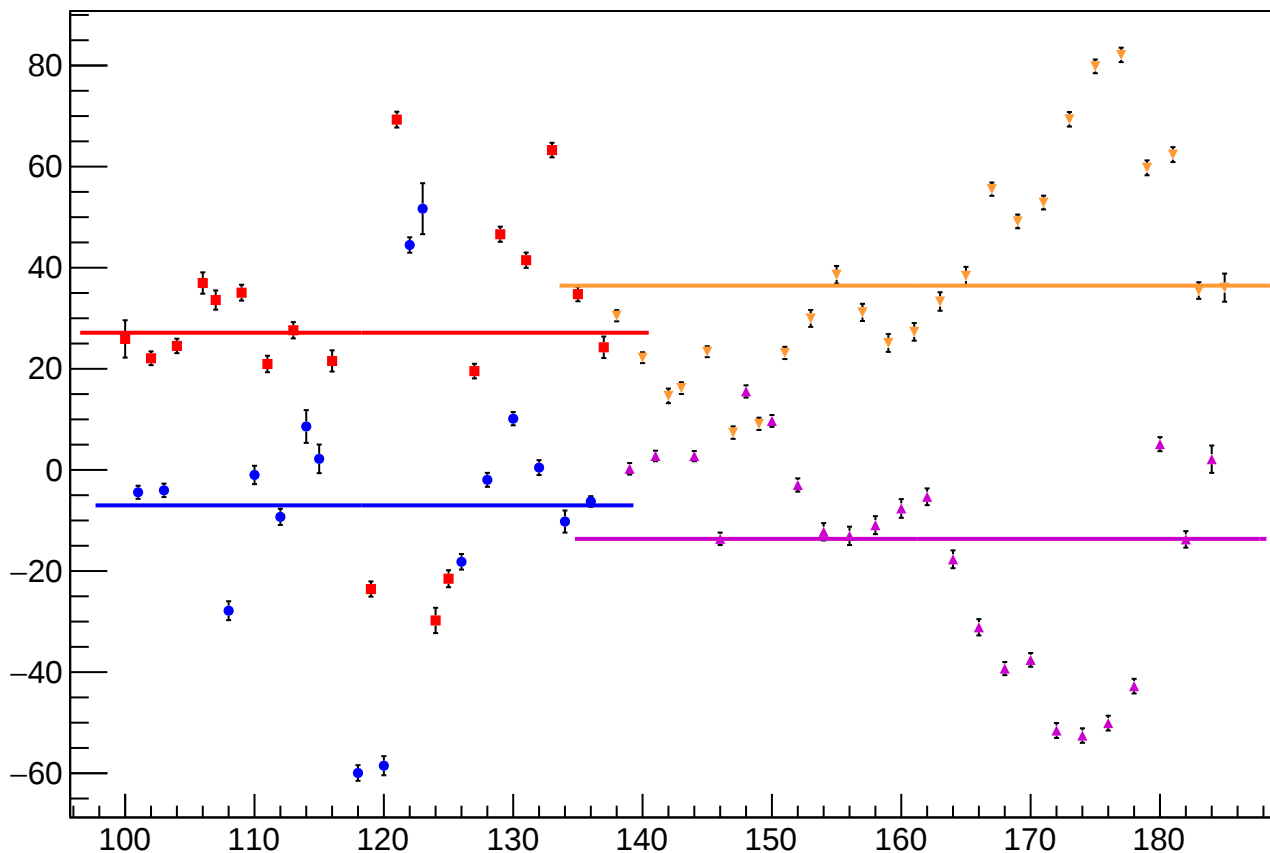
Left In: 1186.476 $\pm$ 0.204 χ^2 /NDF: 833420.3/22

+ sign 1110.448 $\pm$ 0.159 χ^2 /NDF: 1256588.4/41

All: 1115.757 $\pm$ 0.114 χ^2 /NDF: 2463954.6/83

- 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: 36.455 ± 0.281 χ^2/NDF : 5727.3/24

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

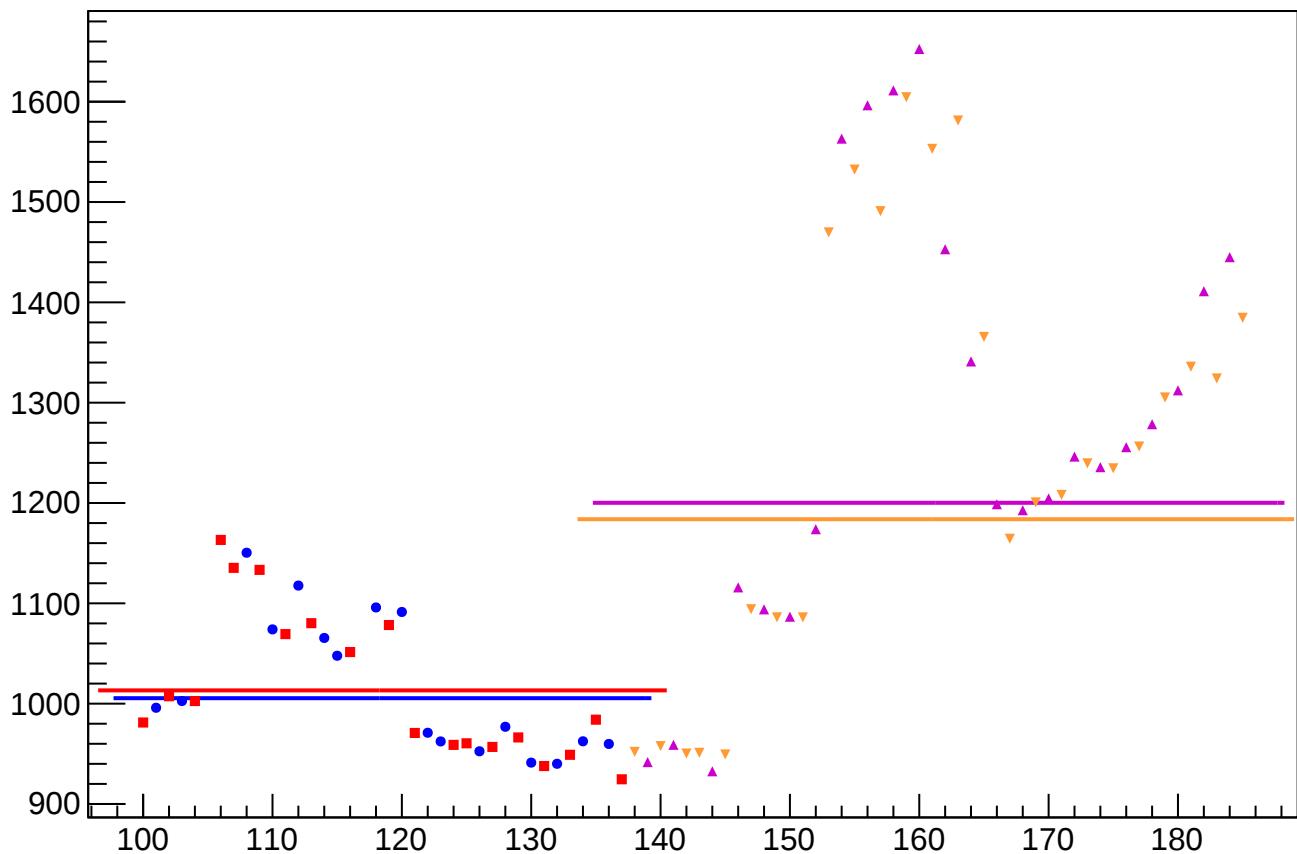
Left In: -13.640 ± 0.293 χ^2/NDF : 5178.0/22

+ sign 21.518 ± 0.228 χ^2/NDF : 17571.3/41

All: 11.708 ± 0.163 χ^2/NDF : 38001.4/83

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

diff_bpm2i02Y_rms vs Slug



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

Left Out: 1183.843 $\pm$ 0.199 χ^2 /NDF:1031038.1/24

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

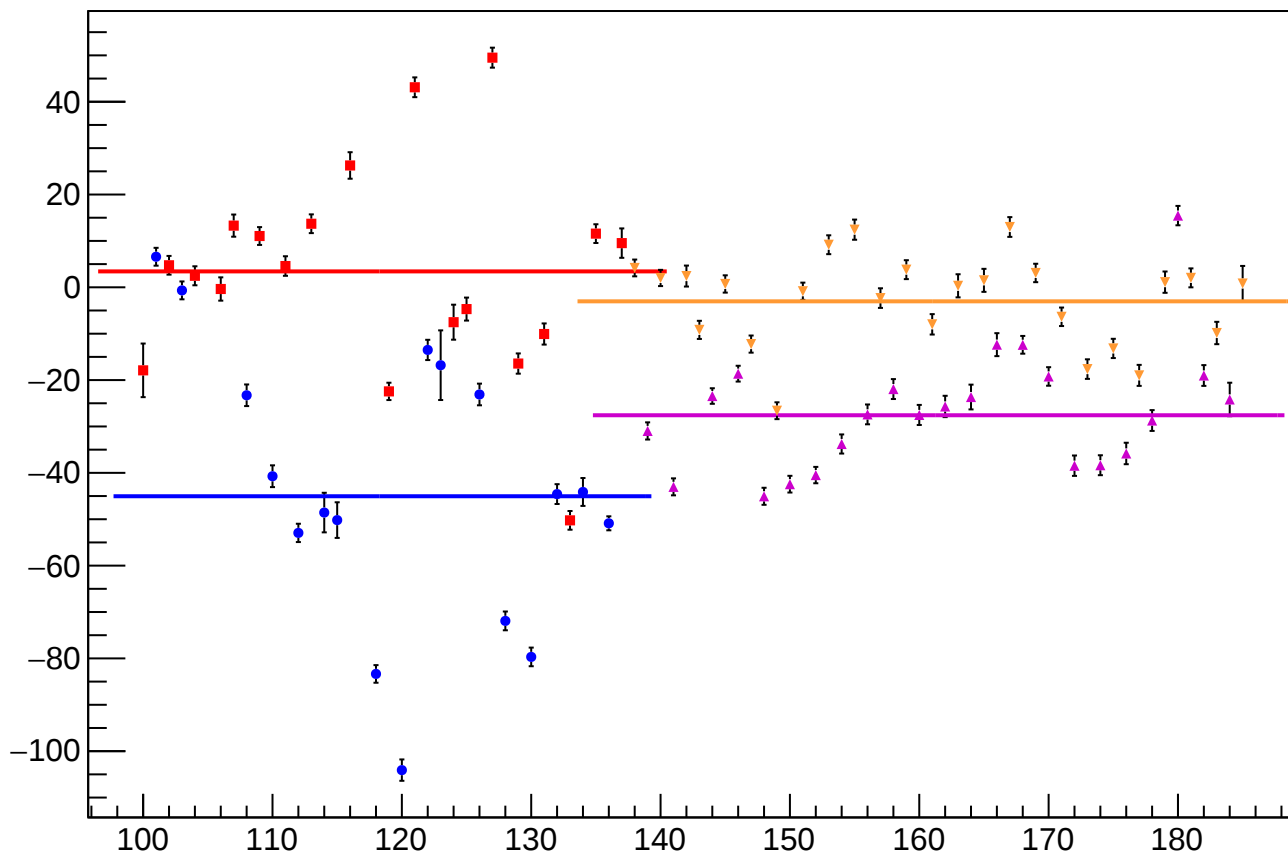
Left In: 1200.198 $\pm$ 0.207 χ^2 /NDF:938224.7/22

+ sign 1122.542 $\pm$ 0.161 χ^2 /NDF: 1362092.4/41

All: 1126.504 $\pm$ 0.115 χ^2 /NDF: 2668269.7/83

- sign 1130.612 $\pm$ 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: -3.025 ± 0.417 χ^2/NDF : 556.2/24

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

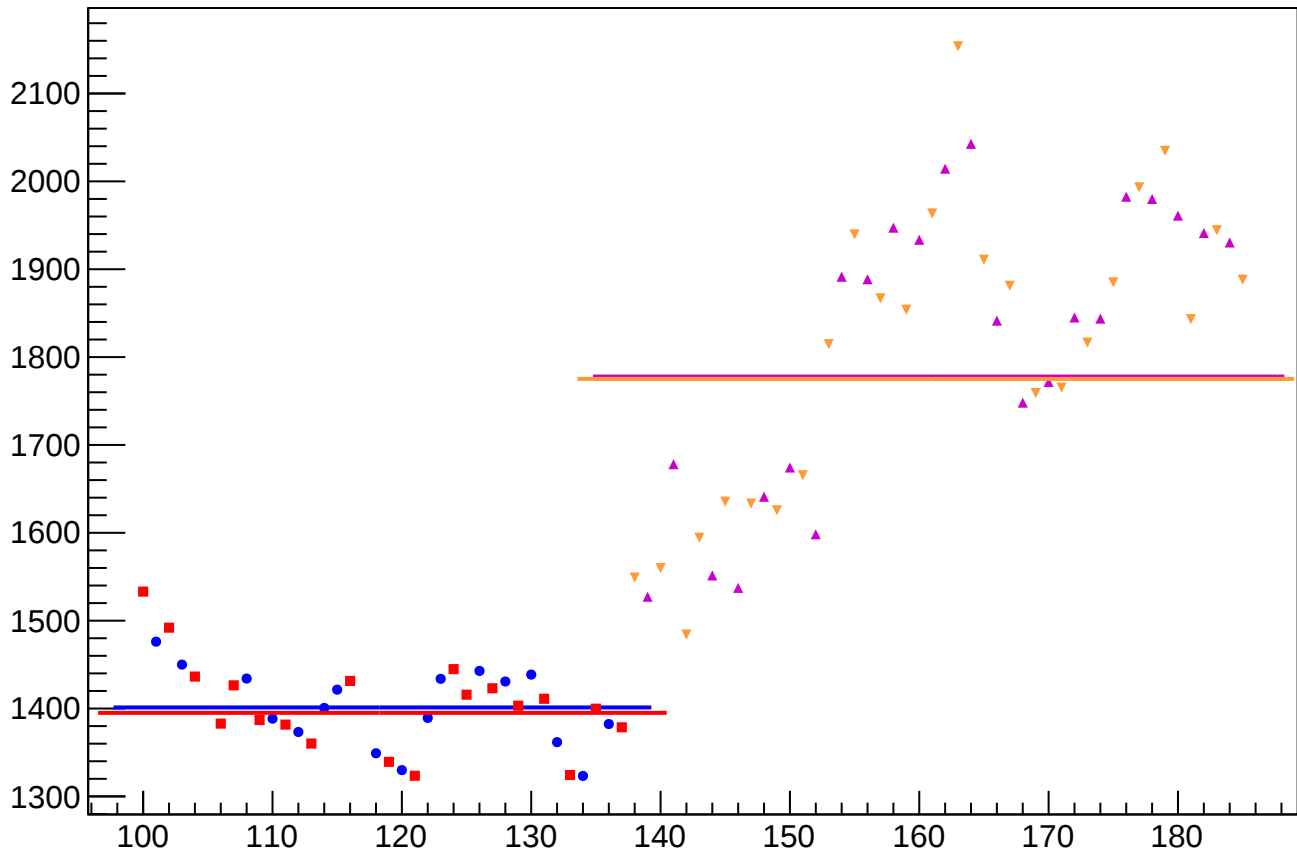
Left In: -27.583 ± 0.429 χ^2/NDF : 960.1/22

+ sign -18.681 ± 0.330 χ^2/NDF : 7569.5/41

All: -16.899 ± 0.234 χ^2/NDF : 12693.5/83

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

diff_bpm0i02X_rms vs Slug



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

Left Out: 1775.143+/-0.295 χ^2/NDF : 310641.2/24

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

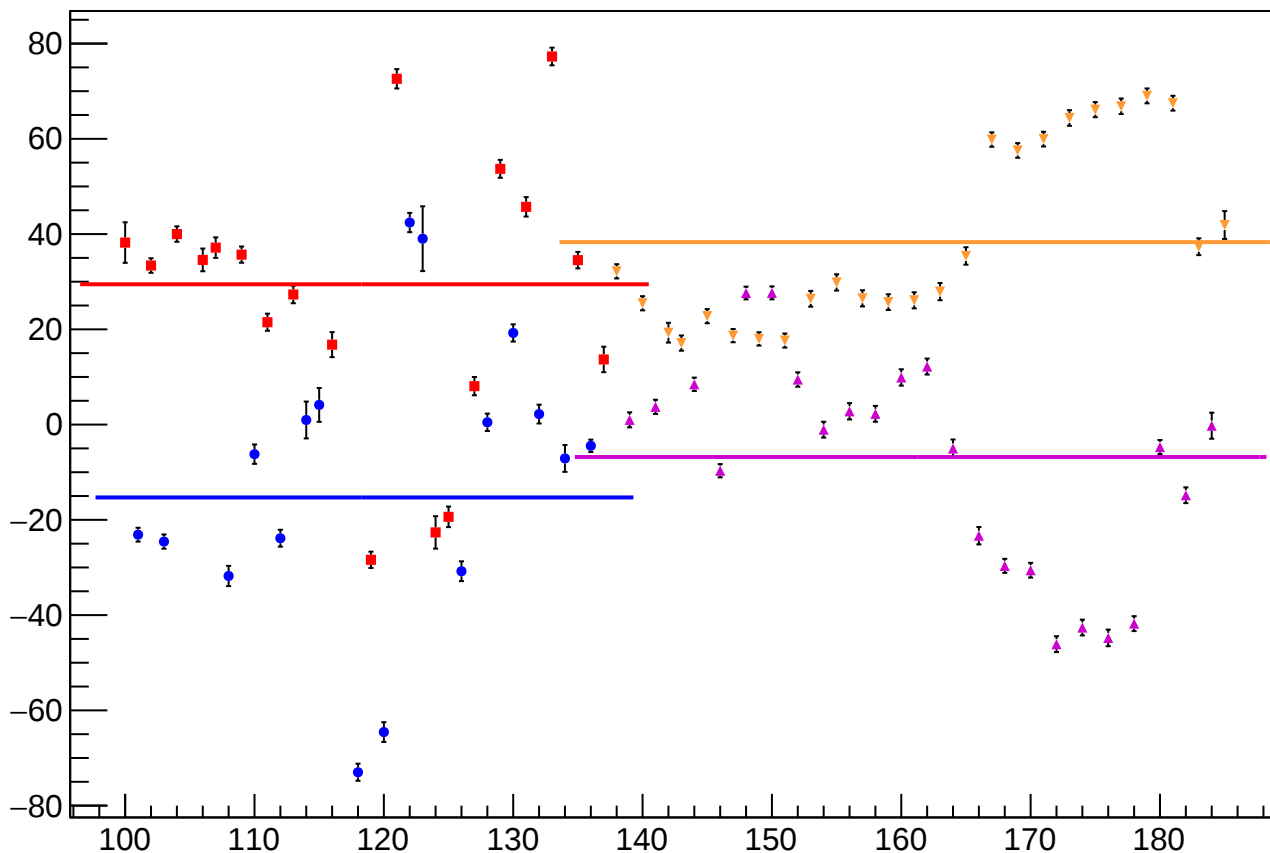
Left In: 1777.884+/-0.303 χ^2/NDF : 299514.0/22

+ sign 1635.818+/-0.233 χ^2/NDF : 923712.0/41

All: 1629.837+/-0.165 χ^2/NDF : 1880961.2/83

- sign 1623.797+/-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: 38.315 ± 0.324 χ^2/NDF : 3492.4/24

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

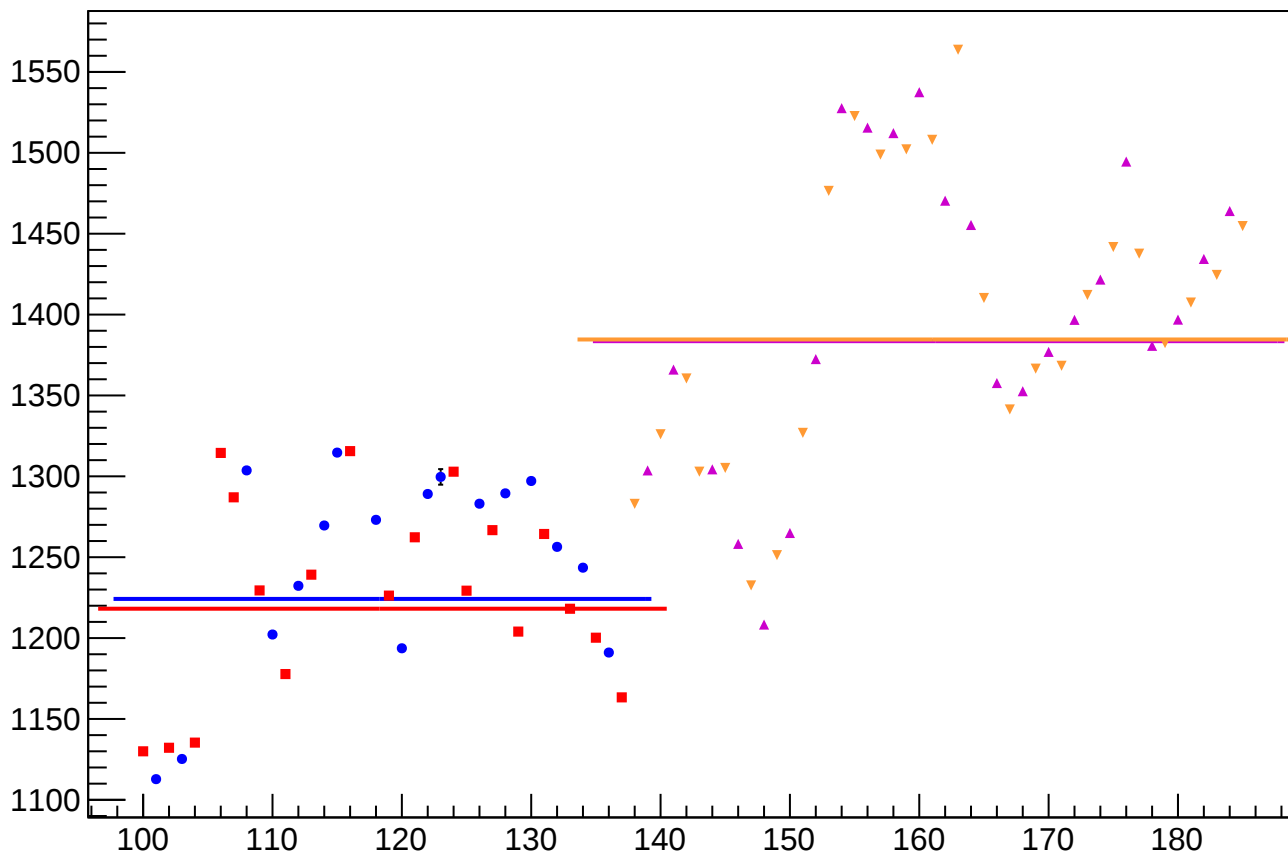
Left In: -6.808 ± 0.333 χ^2/NDF : 4494.5/22

+ sign 21.171 ± 0.267 χ^2/NDF : 15580.0/41

All: 13.520 ± 0.190 χ^2/NDF : 29365.3/83

- 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: 1384.604 $\pm$ 0.229 χ^2 /NDF:147756.4/24

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

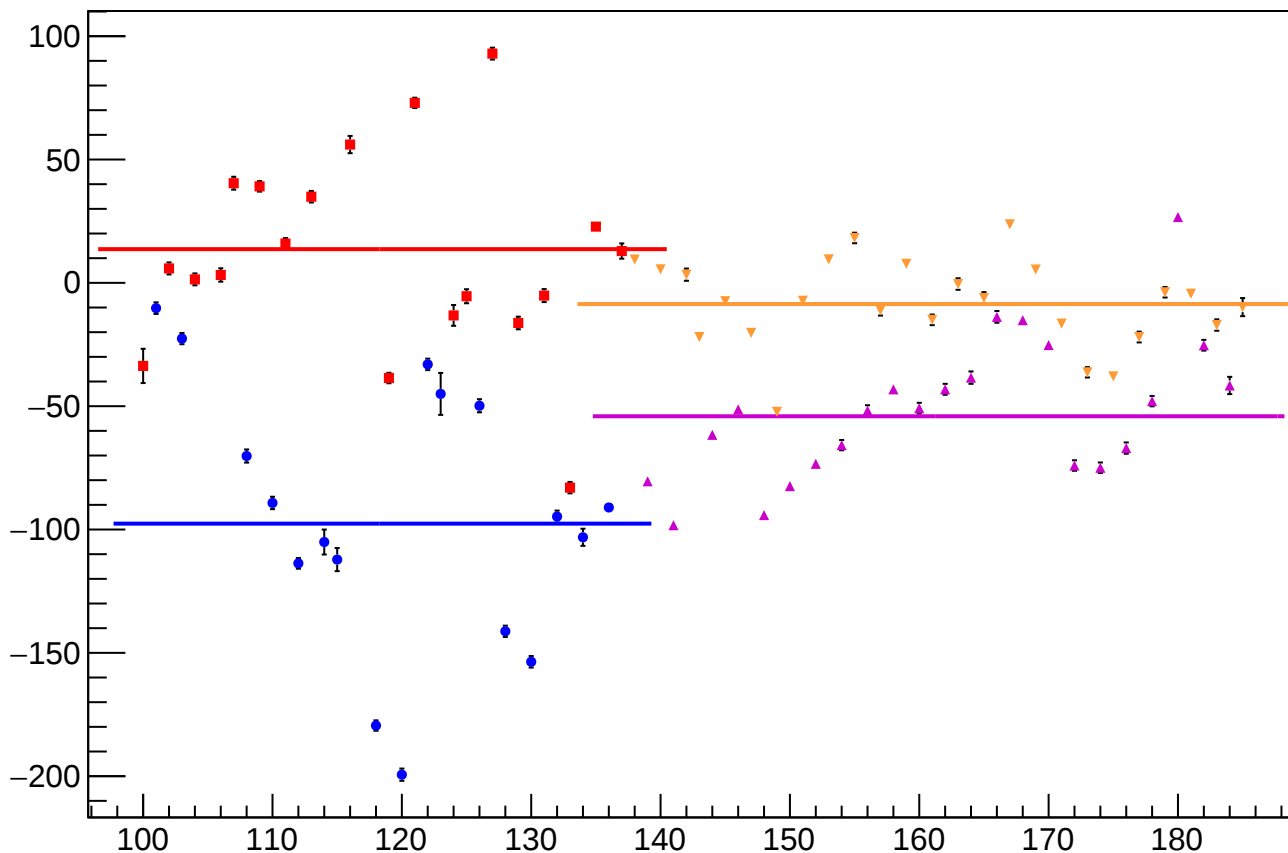
Left In: 1383.558 $\pm$ 0.235 χ^2 /NDF:154696.0/22

+ sign 1333.311 $\pm$ 0.189 χ^2 /NDF: 343024.4/41

All: 1329.768 $\pm$ 0.134 χ^2 /NDF: 697174.3/83

- sign 1326.181 $\pm$ 0.190 χ^2 /NDF: 353443.3/41

diff_bpm0i02aX_mean vs Slug



Right In: -97.610 ± 0.602 χ^2/NDF : 7919.3/16

Left Out: -8.596 ± 0.411 χ^2/NDF : 1935.0/24

Right Out: 13.666 ± 0.580 χ^2/NDF : 5116.2/18

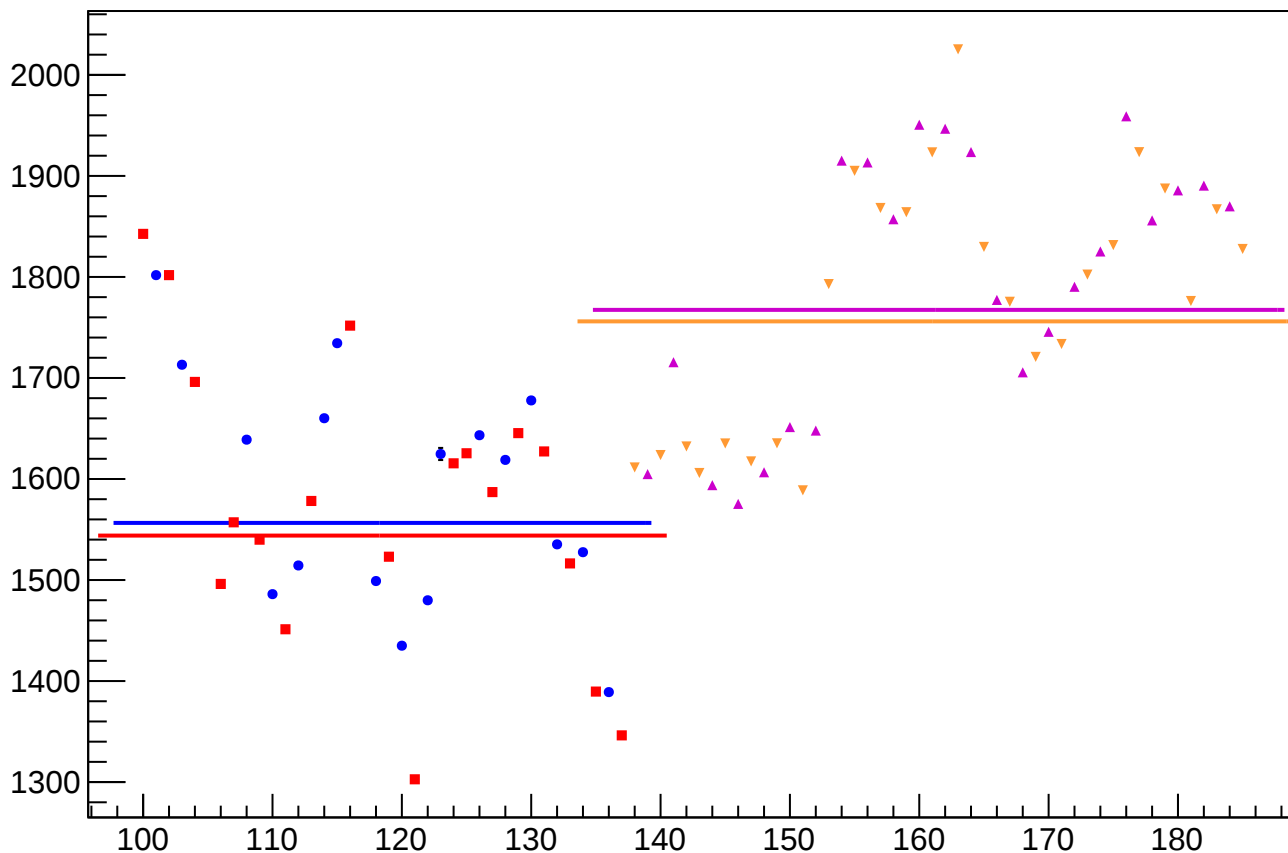
Left In: -54.089 ± 0.426 χ^2/NDF : 4721.6/22

+ sign -36.923 ± 0.340 χ^2/NDF : 24746.9/41

All: -33.689 ± 0.241 χ^2/NDF : 43631.2/83

- sign -30.389 ± 0.343 χ^2/NDF : 18701.3/41

diff_bpm0i02aX_rms vs Slug



Right In: 1556.539 $\pm$ 0.426 χ^2 /NDF: 81438.3/16

Left Out: 1756.022 $\pm$ 0.291 χ^2 /NDF:177108.9/24

Right Out: 1543.993 $\pm$ 0.410 χ^2 /NDF: 100599.9/18

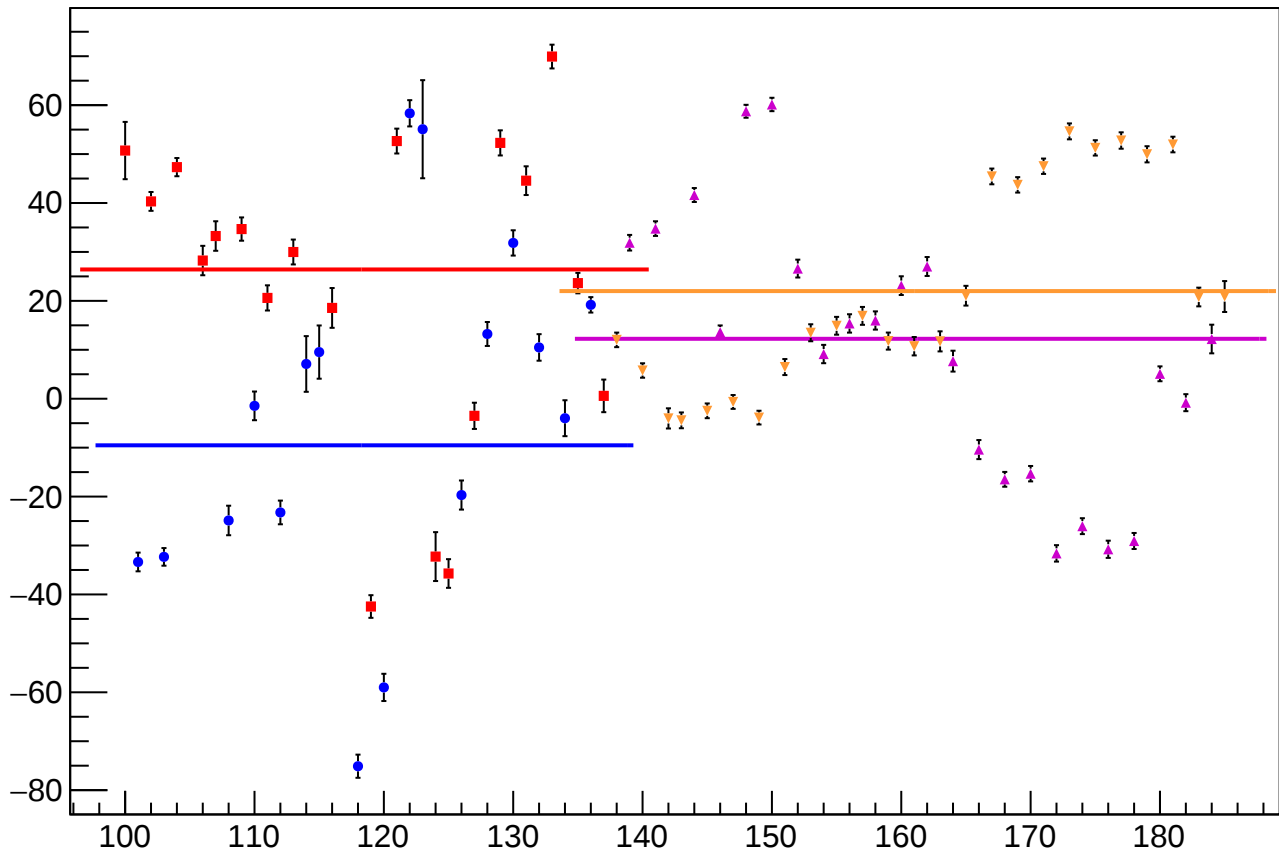
Left In: 1767.410 $\pm$ 0.301 χ^2 /NDF:187958.2/22

+ sign 1692.541 $\pm$ 0.240 χ^2 /NDF: 408133.7/41

All: 1690.918 $\pm$ 0.171 χ^2 /NDF: 889528.7/83

- 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: 21.998 ± 0.336 χ^2/NDF : 4076.1/24

Right Out: 26.417 ± 0.604 χ^2/NDF : 2451.3/18

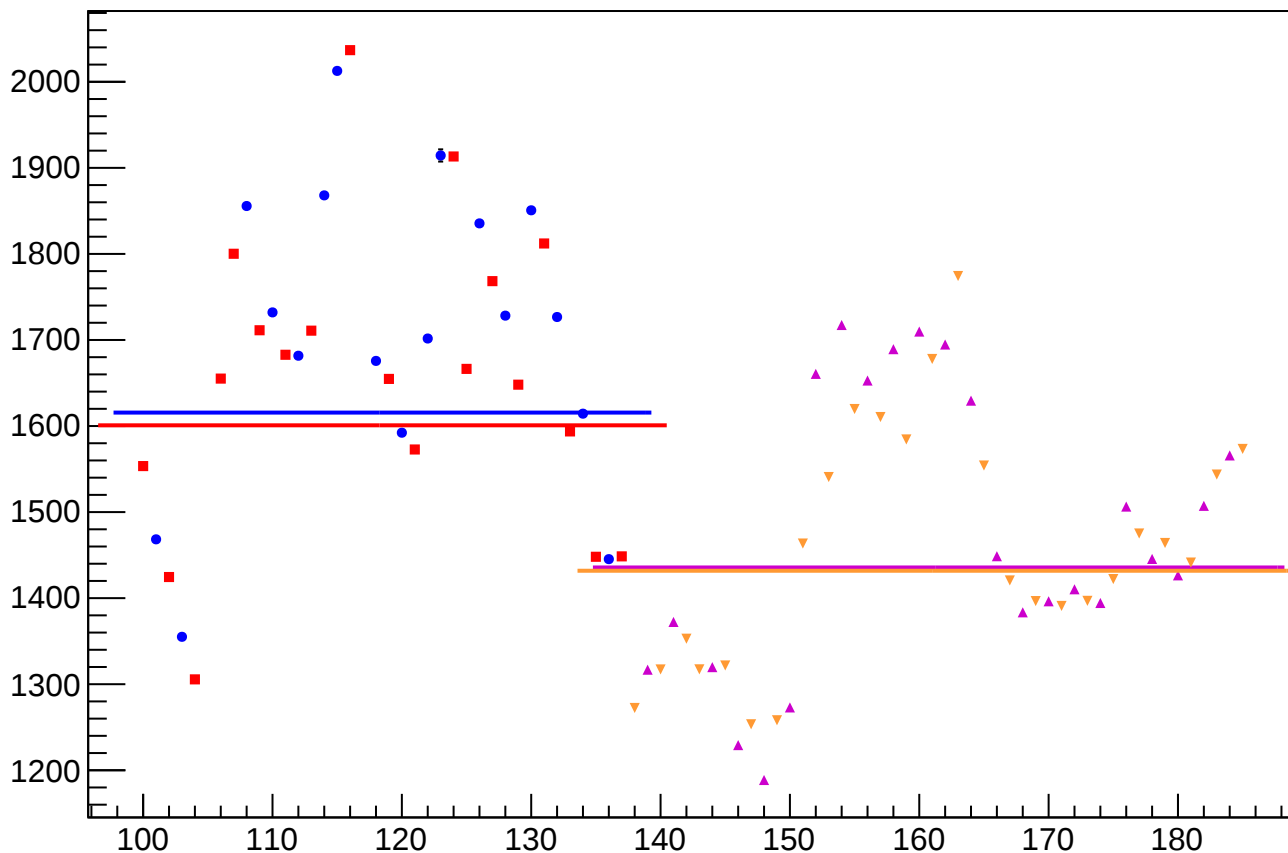
Left In: 12.246 ± 0.347 χ^2/NDF : 6781.6/22

+ sign 14.962 ± 0.296 χ^2/NDF : 8945.8/41

All: 15.358 ± 0.211 χ^2/NDF : 18596.5/83

- sign 15.766 ± 0.301 χ^2/NDF : 9647.1/41

diff_bpm0i02aY_rms vs Slug



Right In: 1615.627+/-0.444 χ^2/NDF : 149190.0/16

Left Out: 1431.844+/-0.238 χ^2/NDF : 299156.4/24

Right Out: 1600.836+/-0.427 χ^2/NDF : 153528.6/18

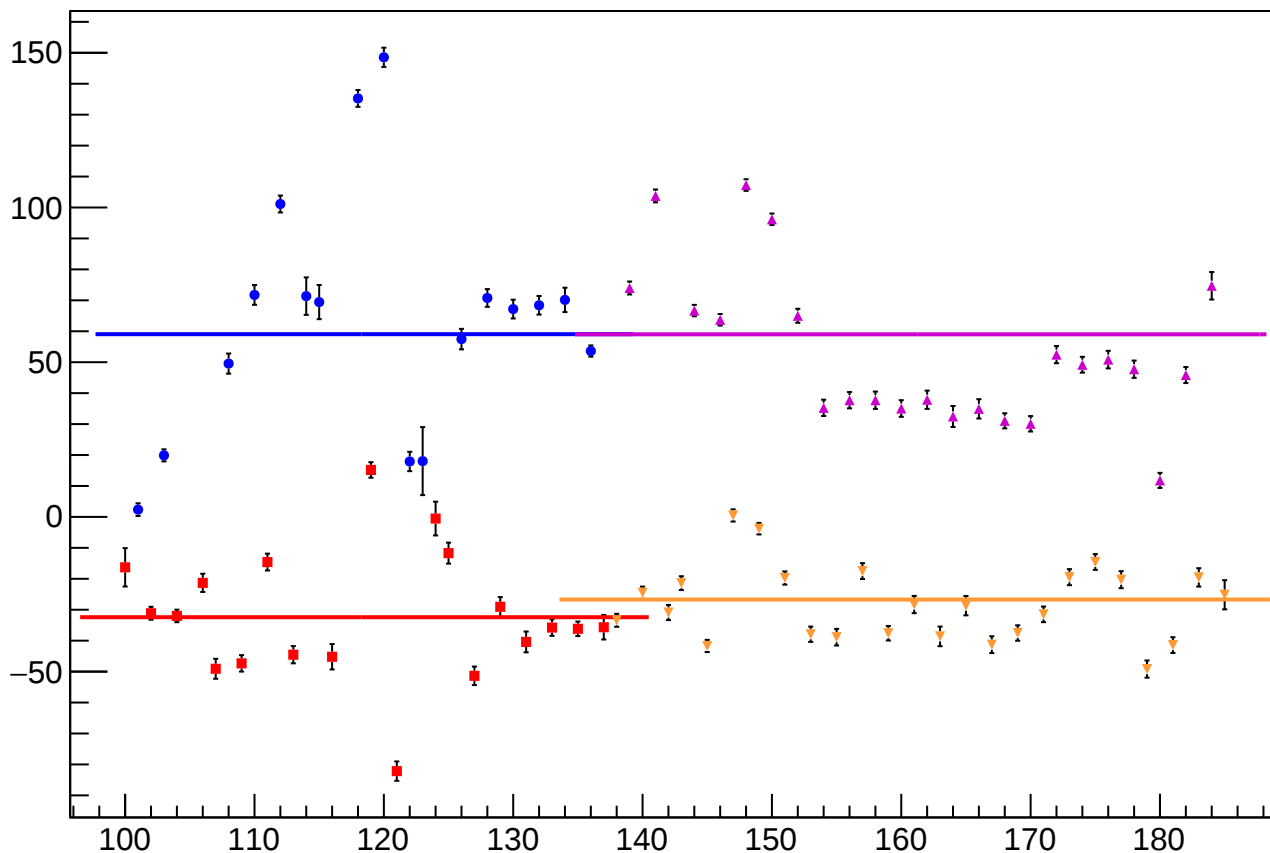
Left In: 1435.645+/-0.245 χ^2/NDF : 420835.0/22

+ sign 1472.865+/-0.210 χ^2/NDF : 581667.2/41

All: 1474.743+/-0.149 χ^2/NDF : 1268749.1/83

- sign 1476.679+/-0.213 χ^2/NDF : 686918.8/41

diff_bpm0i05X_mean vs Slug



Right In: 59.057+/-0.700 χ^2/NDF : 3293.2/16

Left Out: -26.708+/-0.490 χ^2/NDF : 710.9/24

Right Out: -32.417+/-0.667 χ^2/NDF : 888.1/18

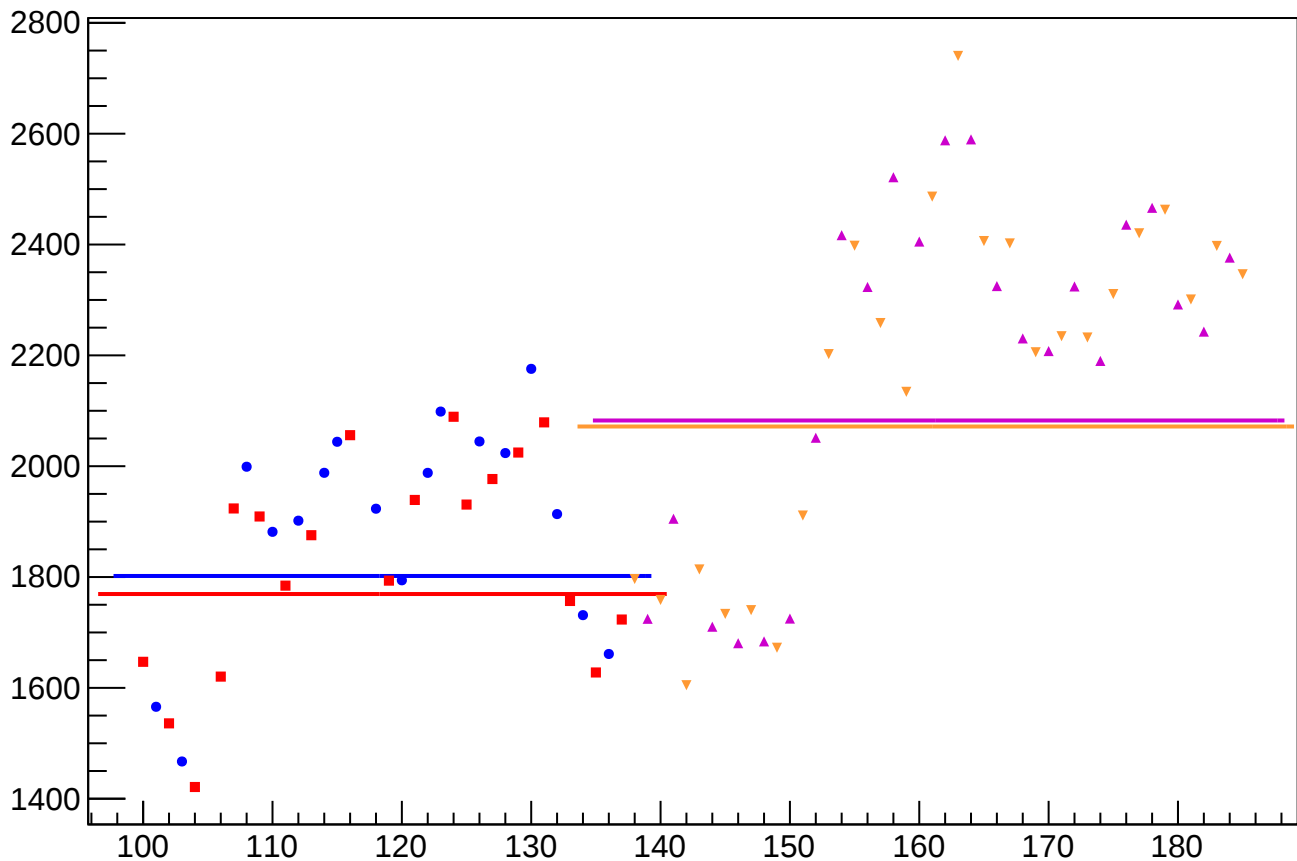
Left In: 59.014+/-0.506 χ^2/NDF : 2783.8/22

+ sign 1.467+/-0.401 χ^2/NDF : 14070.7/41

All: 13.479+/-0.285 χ^2/NDF : 31451.1/83

- sign 25.608+/-0.403 χ^2/NDF : 15581.4/41

diff_bpm0i05X_rms vs Slug



Right In: 1801.920 $\pm$ 0.495 χ^2 /NDF: 183555.8/16

Left Out: 2071.640 $\pm$ 0.346 χ^2 /NDF: 792647.7/24

Right Out: 1769.354 $\pm$ 0.472 χ^2 /NDF: 177813.0/18

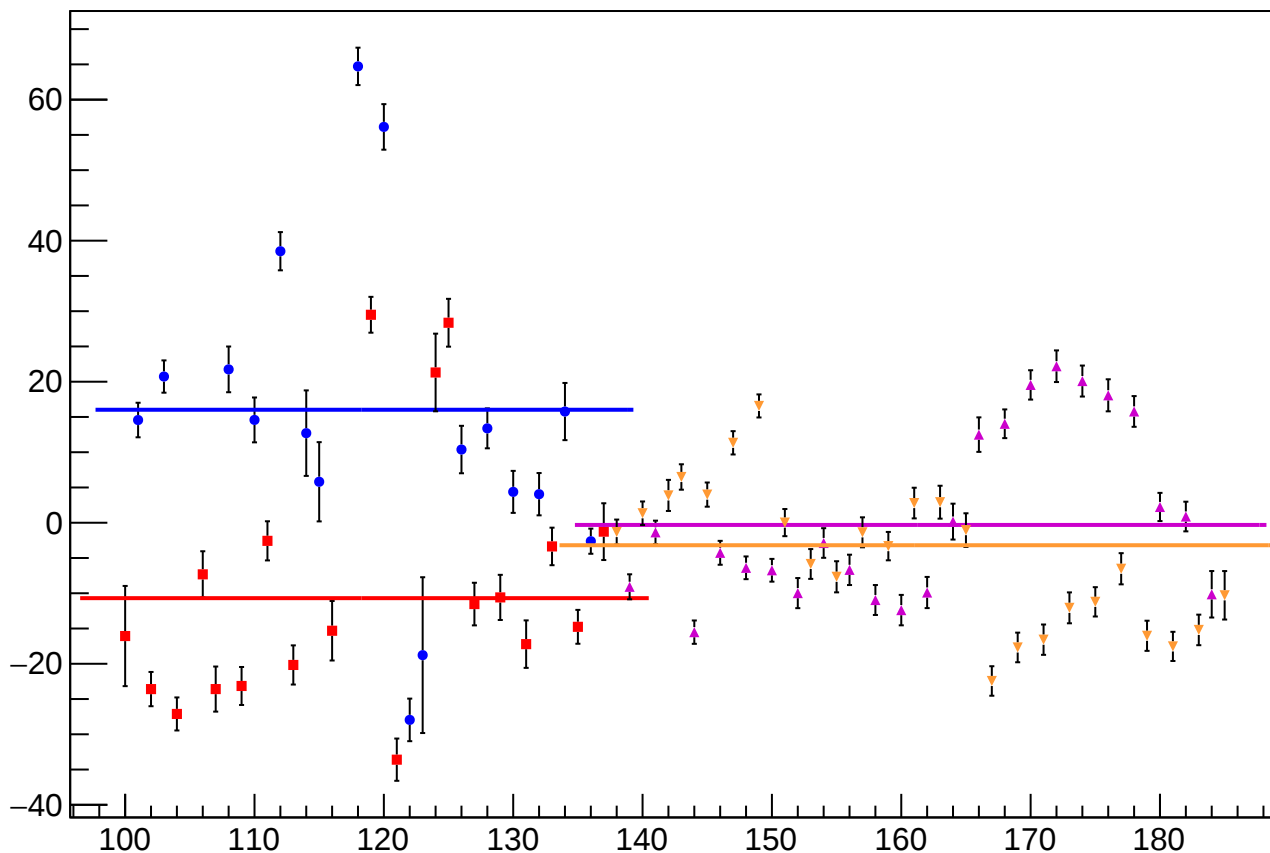
Left In: 2082.497 $\pm$ 0.358 χ^2 /NDF: 785304.0/22

+ sign 1983.033 $\pm$ 0.284 χ^2 /NDF: 1175329.9/41

All: 1975.595 $\pm$ 0.201 χ^2 /NDF: 2419222.6/83

- sign 1968.085 $\pm$ 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: -3.190 ± 0.406 χ^2/NDF : 636.5/24

Right Out: -10.695 ± 0.694 χ^2/NDF : 632.7/18

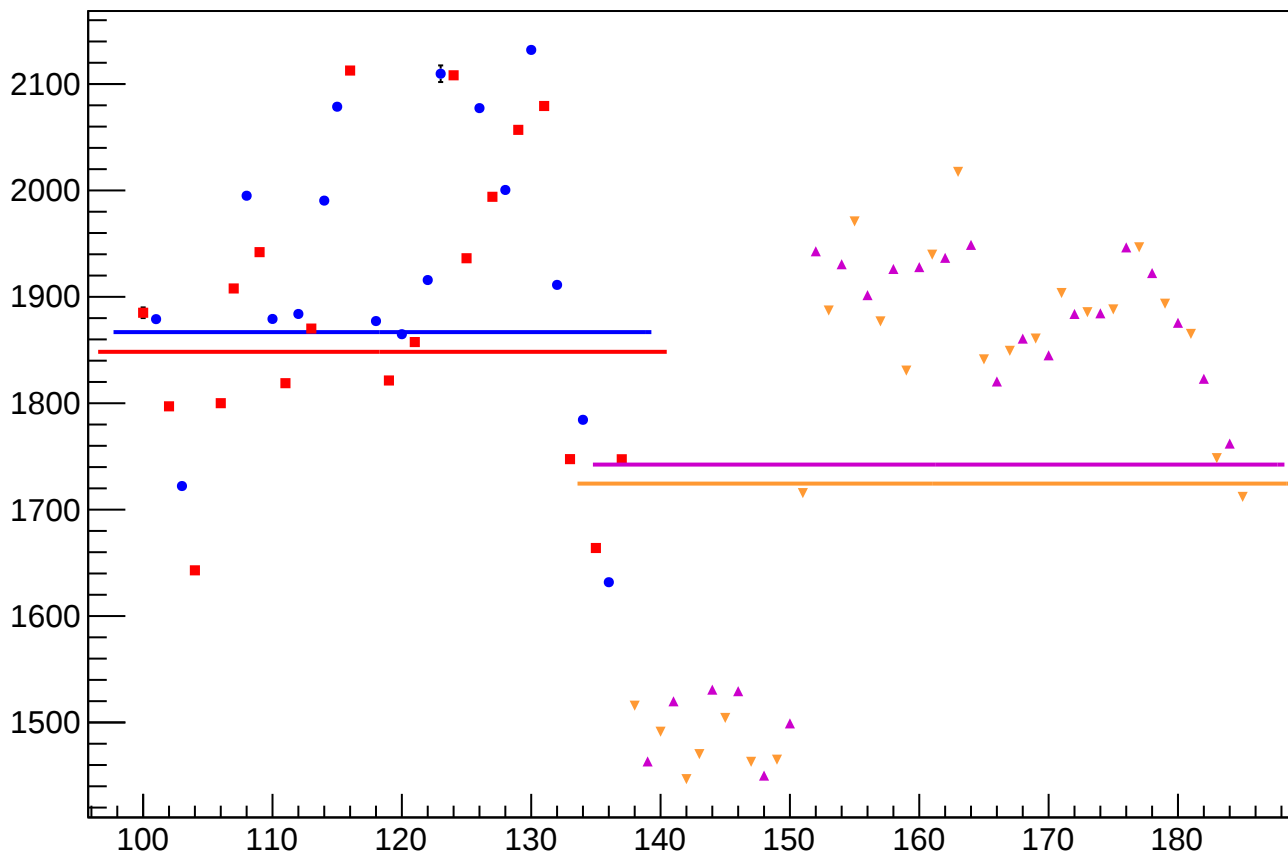
Left In: -0.312 ± 0.421 χ^2/NDF : 736.5/22

+ sign 1.415 ± 0.354 χ^2/NDF : 2111.9/41

All: -0.804 ± 0.252 χ^2/NDF : 3724.7/83

- 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: 1724.480 $\pm$ 0.287 χ^2 /NDF: 475023.7/24

Right Out: 1848.333 $\pm$ 0.491 χ^2 /NDF: 72586.9/18

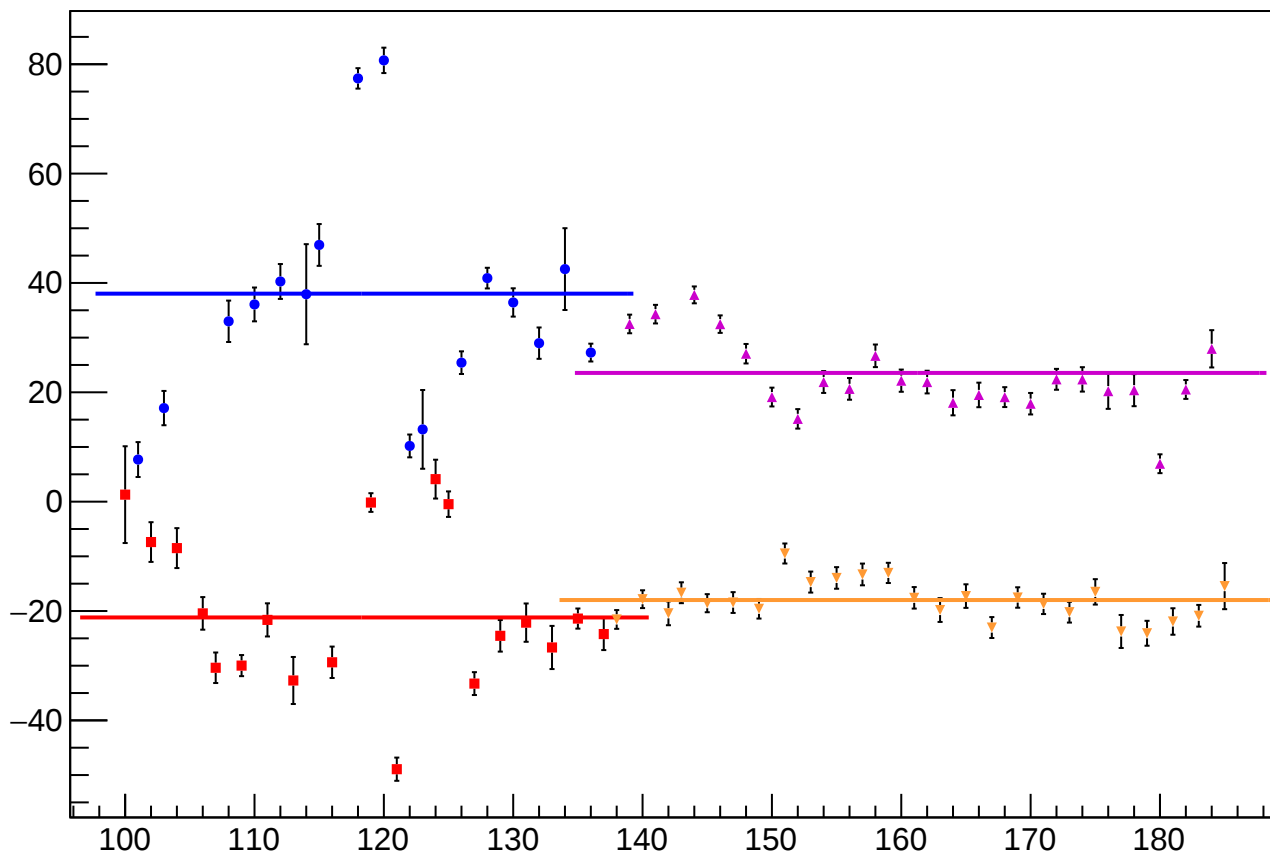
Left In: 1742.354 $\pm$ 0.298 χ^2 /NDF: 435841.5/22

+ sign 1758.608 $\pm$ 0.250 χ^2 /NDF: 614697.0/41

All: 1764.620 $\pm$ 0.178 χ^2 /NDF: 1158360.2/83

- sign 1770.845 $\pm$ 0.255 χ^2 /NDF: 542487.9/41

diff_bpm0i07X_mean vs Slug



Right In: 38.041 ± 0.639 χ^2/NDF : 1207.6/16

Left Out: -17.991 ± 0.398 χ^2/NDF : 74.1/24

Right Out: -21.178 ± 0.610 χ^2/NDF : 570.0/18

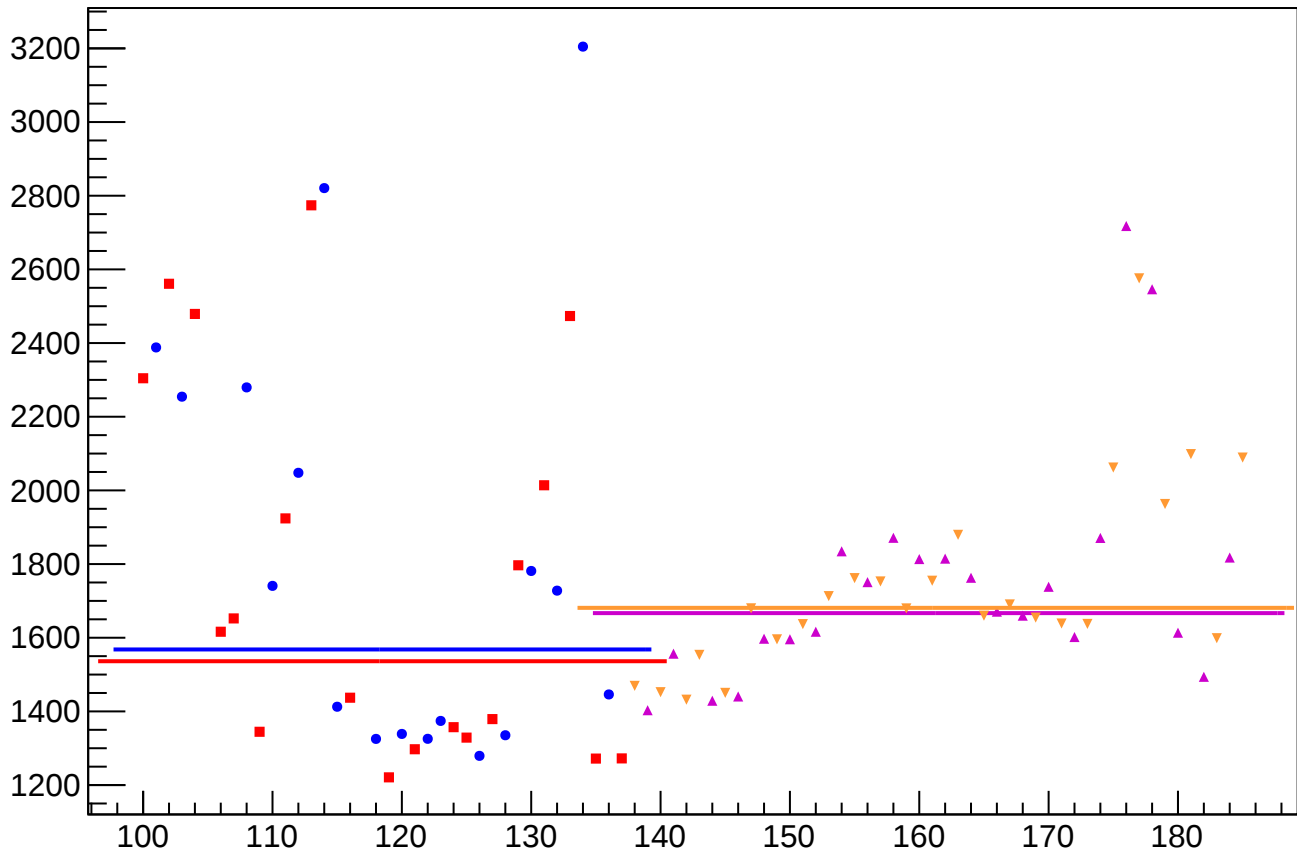
Left In: 23.544 ± 0.406 χ^2/NDF : 346.7/22

+ sign -2.308 ± 0.338 χ^2/NDF : 6822.8/41

All: 3.759 ± 0.239 χ^2/NDF : 12114.3/83

- sign 9.817 ± 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: 1681.152 $\pm$ 0.282 χ^2 /NDF: 520098.3/24

Right Out: 1536.208 $\pm$ 0.431 χ^2 /NDF: 882312.9/18

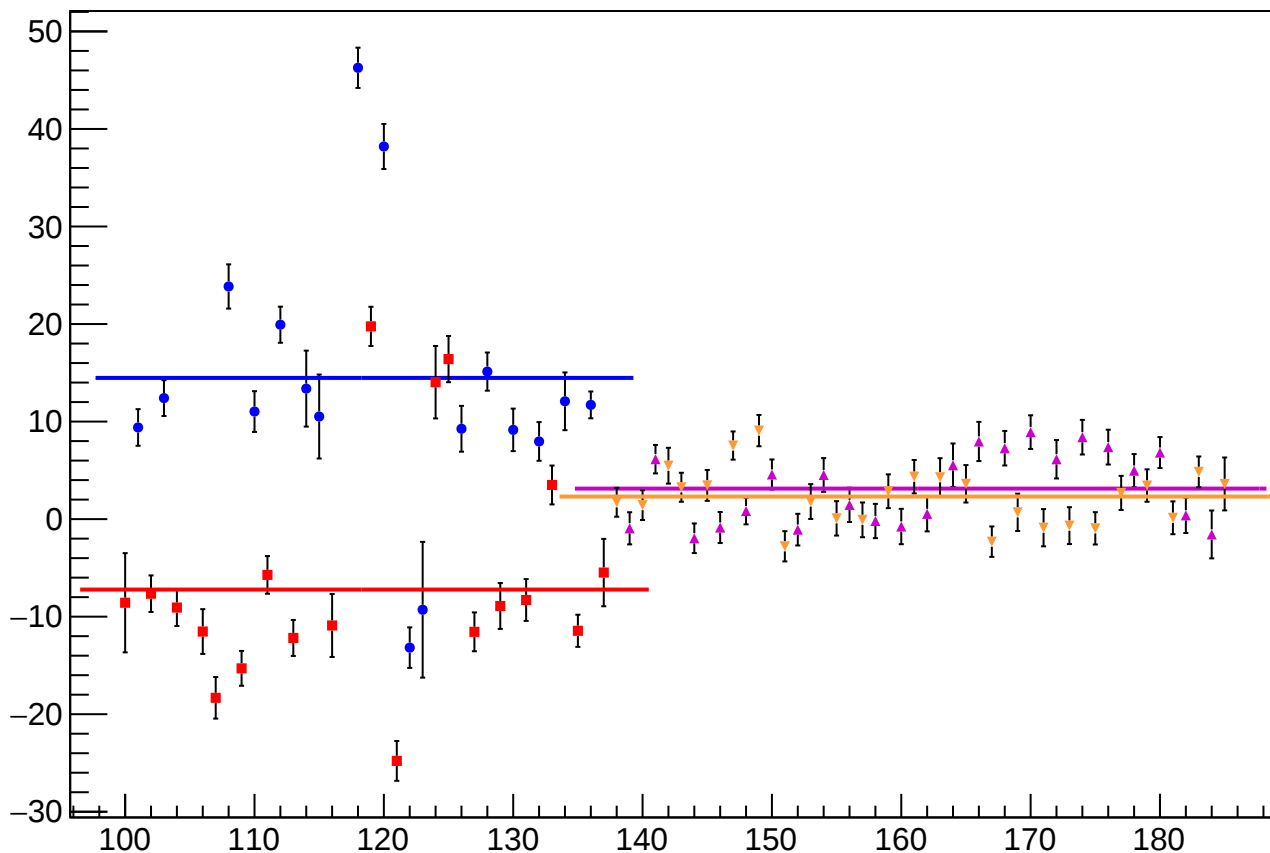
Left In: 1666.819 $\pm$ 0.287 χ^2 /NDF: 650990.8/22

+ sign 1649.529 $\pm$ 0.239 χ^2 /NDF: 1233226.7/41

All: 1638.121 $\pm$ 0.169 χ^2 /NDF: 2834724.4/83

- 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: 2.316 ± 0.340 χ^2/NDF : 76.2/24

Right Out: -7.223 ± 0.495 χ^2/NDF : 489.0/18

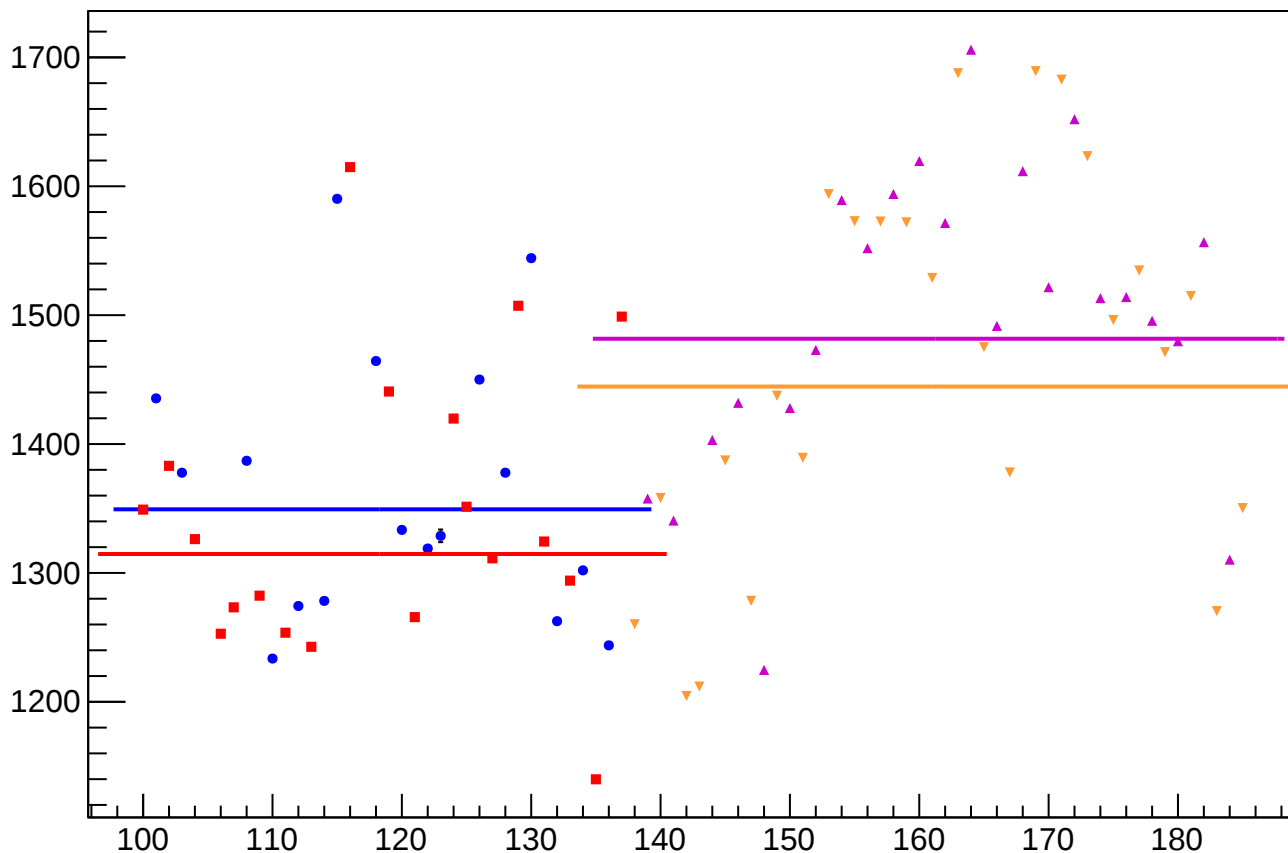
Left In: 3.129 ± 0.358 χ^2/NDF : 103.4/22

+ sign 5.917 ± 0.285 χ^2/NDF : 1051.8/41

All: 2.801 ± 0.203 χ^2/NDF : 2174.0/83

- 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: 1444.628 $\pm$ 0.240 χ^2 /NDF: 357880.5/24

Right Out: 1314.682 $\pm$ 0.350 χ^2 /NDF: 80983.6/18

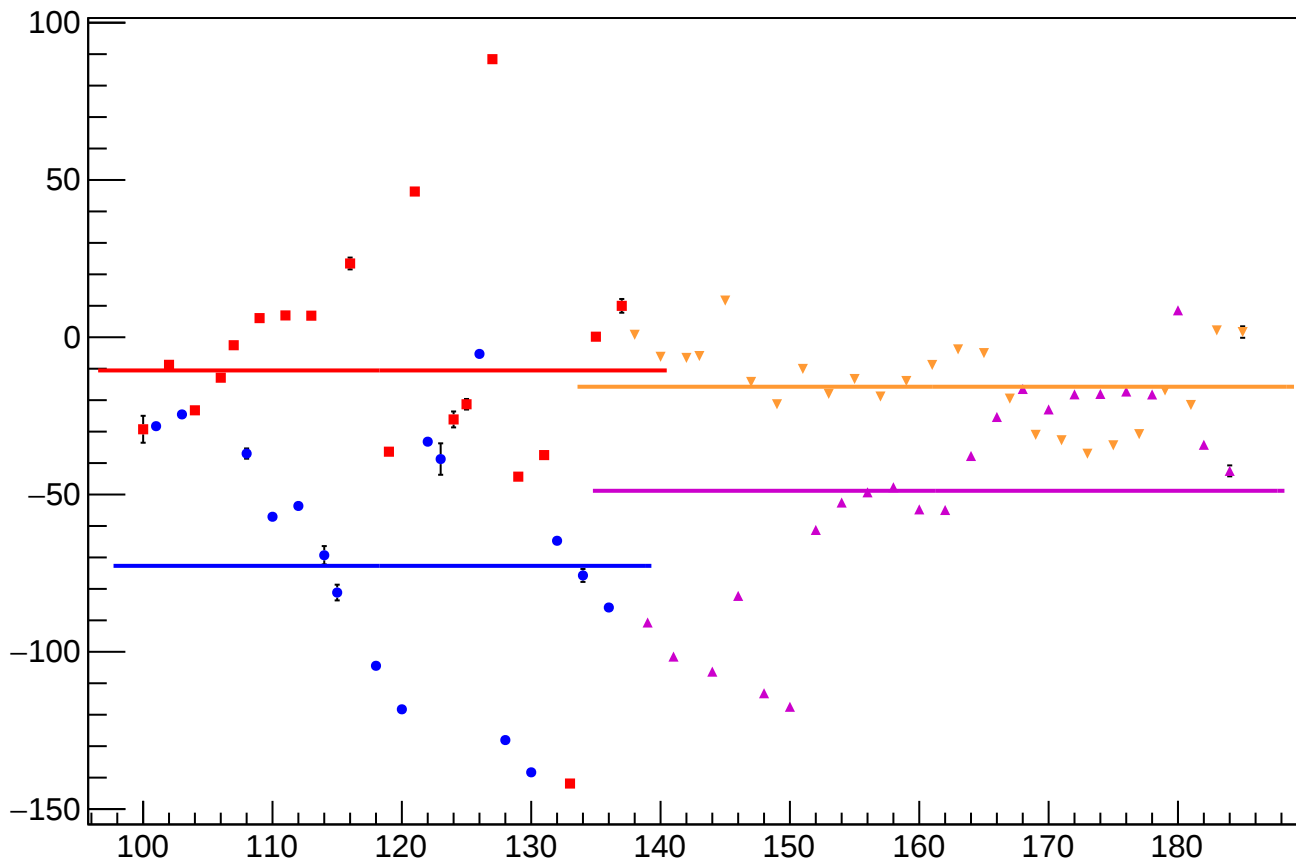
Left In: 1481.695 $\pm$ 0.253 χ^2 /NDF: 208470.6/22

+ sign 1416.422 $\pm$ 0.202 χ^2 /NDF: 468988.5/41

All: 1420.371 $\pm$ 0.144 χ^2 /NDF: 908708.7/83

- sign 1424.454 $\pm$ 0.205 χ^2 /NDF: 438940.0/41

diff_bpm1i02X_mean vs Slug



Right In: -72.674 ± 0.363 χ^2/NDF : 11603.9/16

Left Out: -15.731 ± 0.212 χ^2/NDF : 3501.0/24

Right Out: -10.552 ± 0.353 χ^2/NDF : 18145.5/18

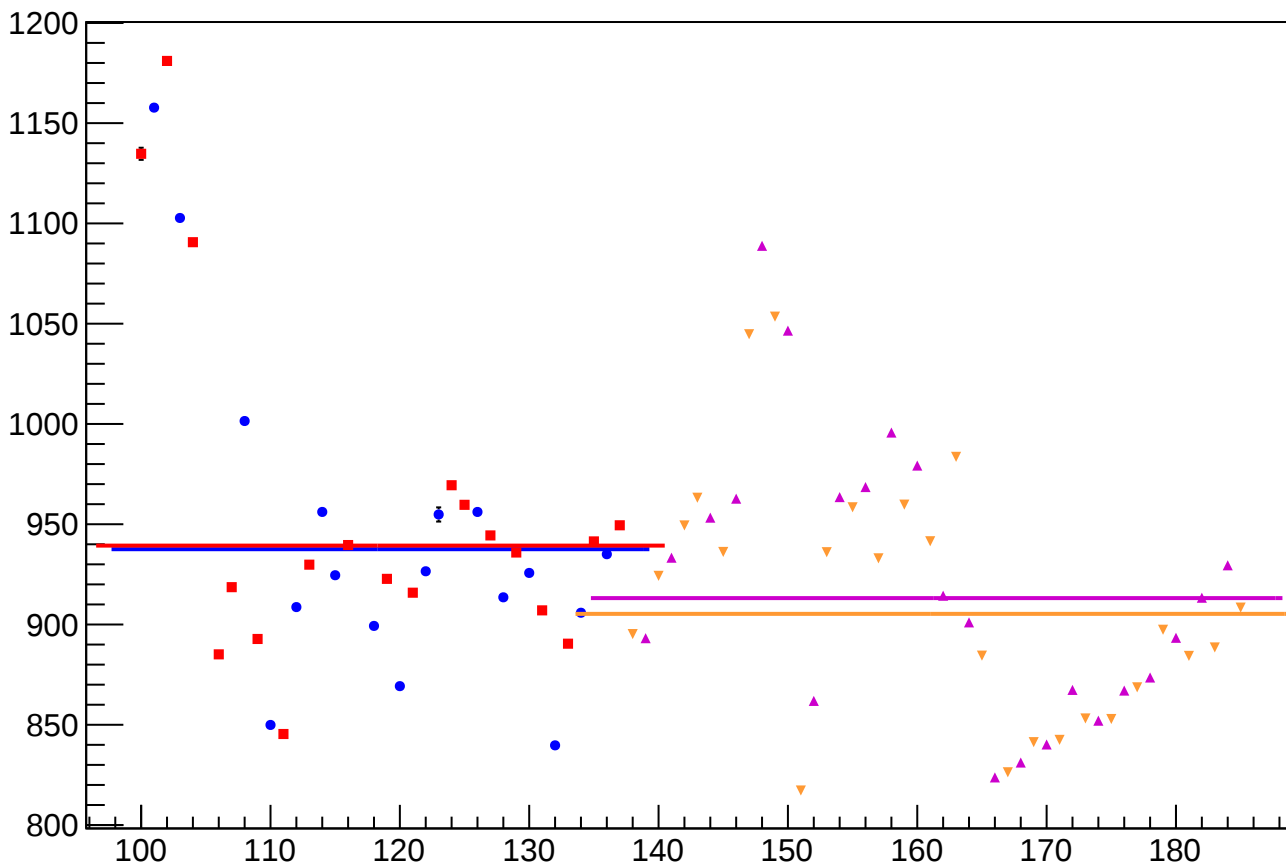
Left In: -48.812 ± 0.220 χ^2/NDF : 25260.8/22

+ sign -30.222 ± 0.183 χ^2/NDF : 33447.0/41

All: -34.095 ± 0.131 χ^2/NDF : 86229.5/83

- sign -38.117 ± 0.187 χ^2/NDF : 51870.9/41

diff_bpm1i02X_rms vs Slug



Right In: 937.550 $\pm$ 0.257 χ^2 /NDF: 98231.3/16

Left Out: 905.307 $\pm$ 0.150 χ^2 /NDF:161403.4/24

Right Out: 939.341 $\pm$ 0.250 χ^2 /NDF: 90084.9/18

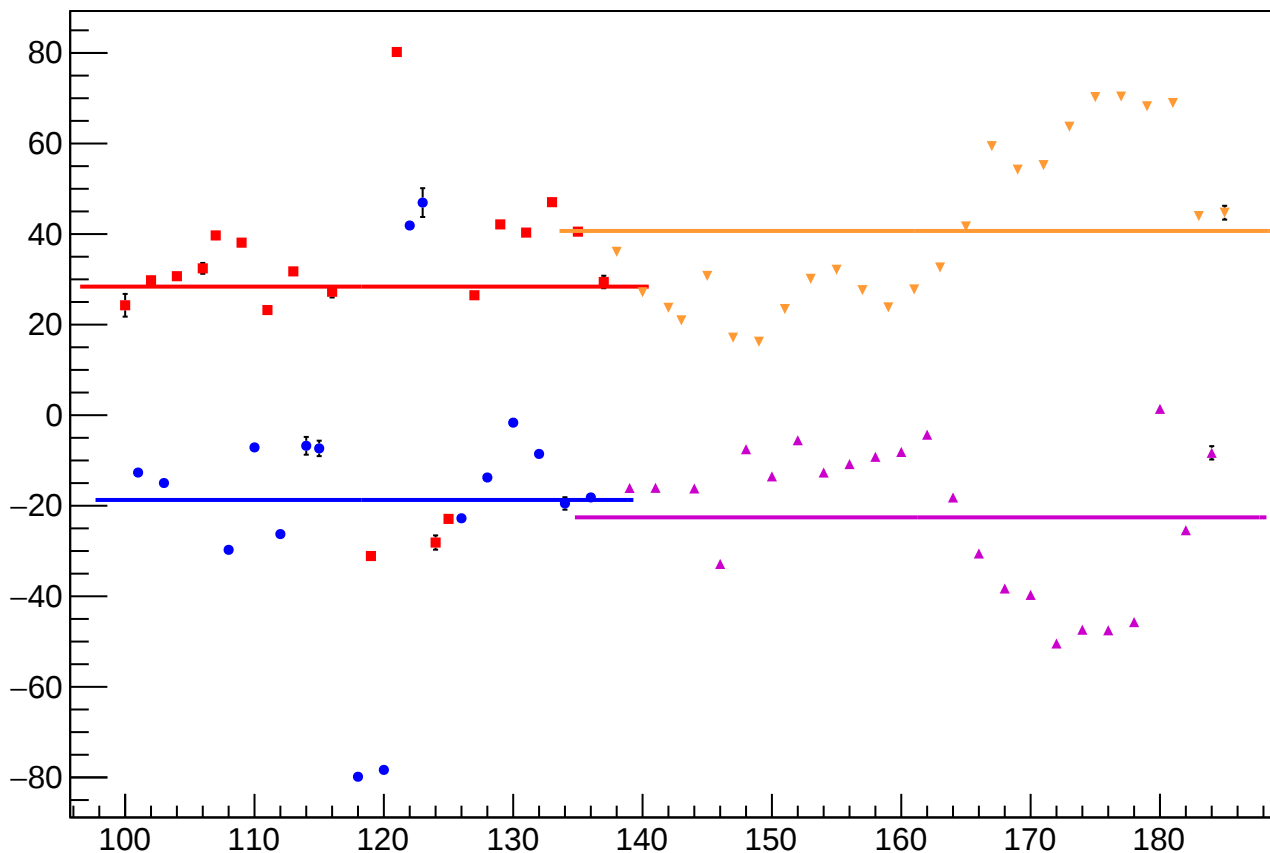
Left In: 913.165 $\pm$ 0.155 χ^2 /NDF:174438.8/22

+ sign 913.512 $\pm$ 0.129 χ^2 /NDF: 271396.2/41

All: 916.932 $\pm$ 0.092 χ^2 /NDF: 545265.1/83

- 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: 40.689 ± 0.168 χ^2/NDF : 12011.7/24

Right Out: 28.395 ± 0.236 χ^2/NDF : 12424.6/18

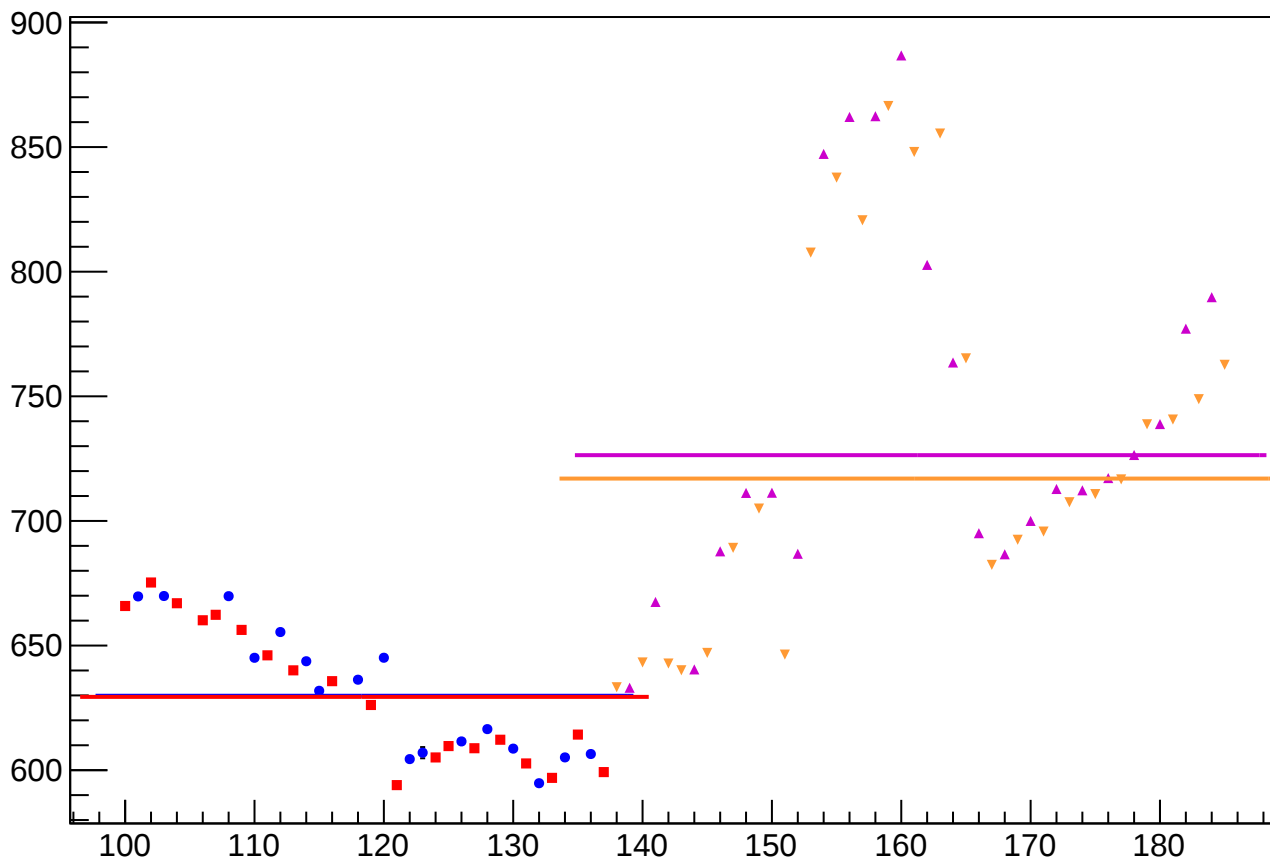
Left In: -22.565 ± 0.175 χ^2/NDF : 8167.7/22

+ sign 21.414 ± 0.138 χ^2/NDF : 65360.8/41

All: 8.695 ± 0.099 χ^2/NDF : 133172.1/83

- 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: 716.998 $\pm$ 0.119 χ^2 /NDF: 340479.2/24

Right Out: 629.413 $\pm$ 0.167 χ^2 /NDF: 25484.3/18

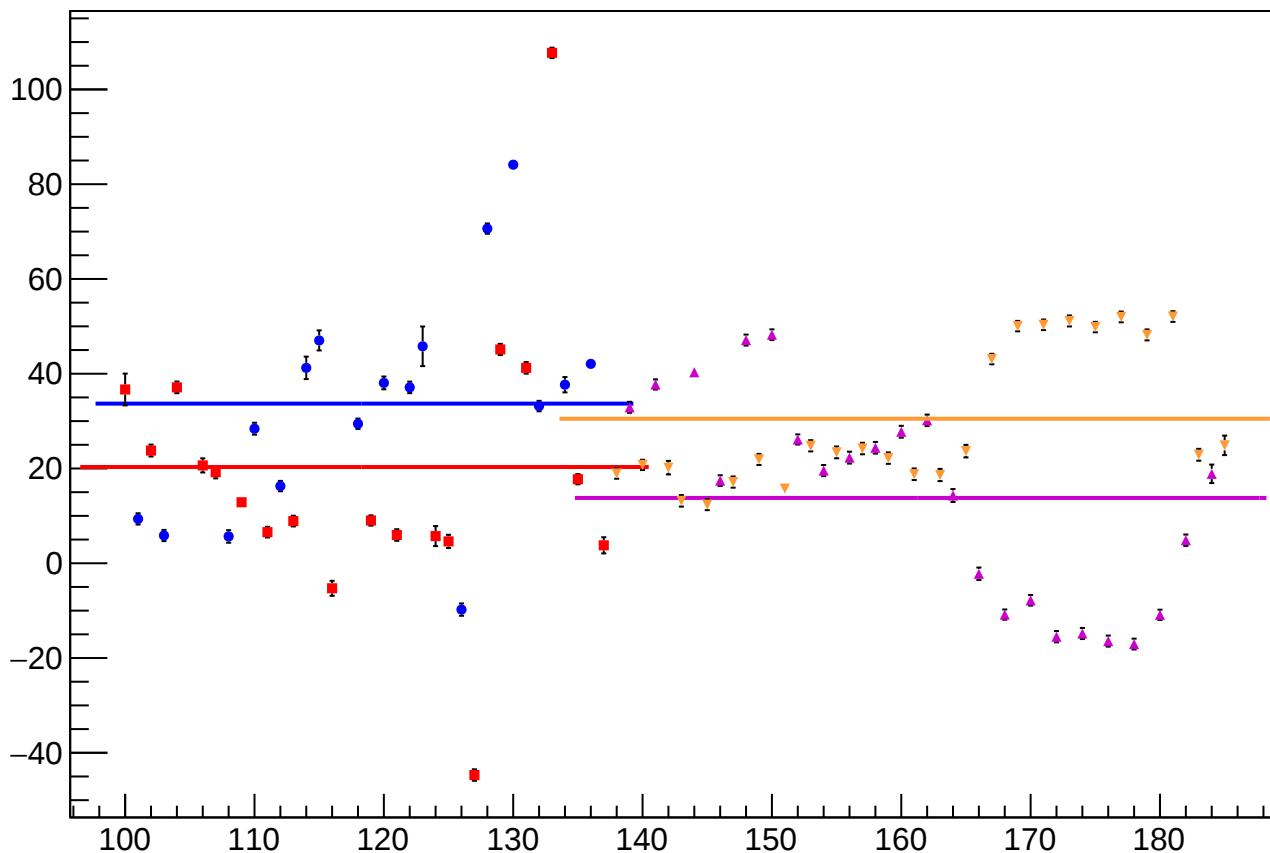
Left In: 726.390 $\pm$ 0.124 χ^2 /NDF: 289788.8/22

+ sign 688.726 $\pm$ 0.098 χ^2 /NDF: 537335.5/41

All: 690.282 $\pm$ 0.070 χ^2 /NDF: 1070921.4/83

- sign 691.889 $\pm$ 0.099 χ^2 /NDF: 533072.6/41

diff_bpm1i04X_mean vs Slug



Right In: 33.692+/-0.300 χ^2 /NDF: 6428.2/16

Left Out: 30.508+/-0.238 χ^2 /NDF: 3781.6/24

Right Out: 20.314+/-0.293 χ^2 /NDF: 11278.0/18

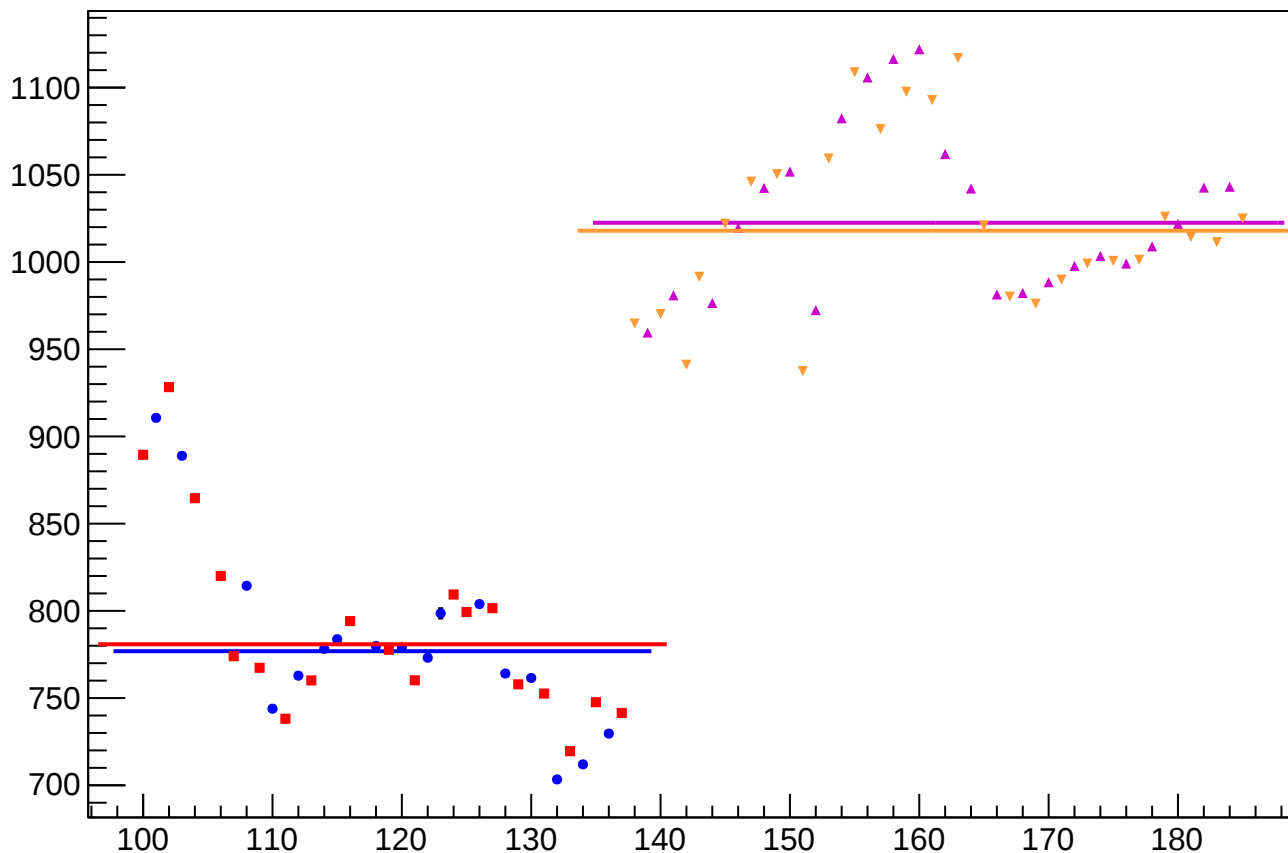
Left In: 13.787+/-0.246 χ^2 /NDF: 7979.7/22

+ sign 31.737+/-0.187 χ^2 /NDF: 10278.8/41

All: 24.178+/-0.133 χ^2 /NDF: 33137.2/83

- sign 16.483+/-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: 1017.944 $\pm$ 0.168 χ^2 /NDF: 83218.6/24

Right Out: 780.840 $\pm$ 0.207 χ^2 /NDF: 57297.9/18

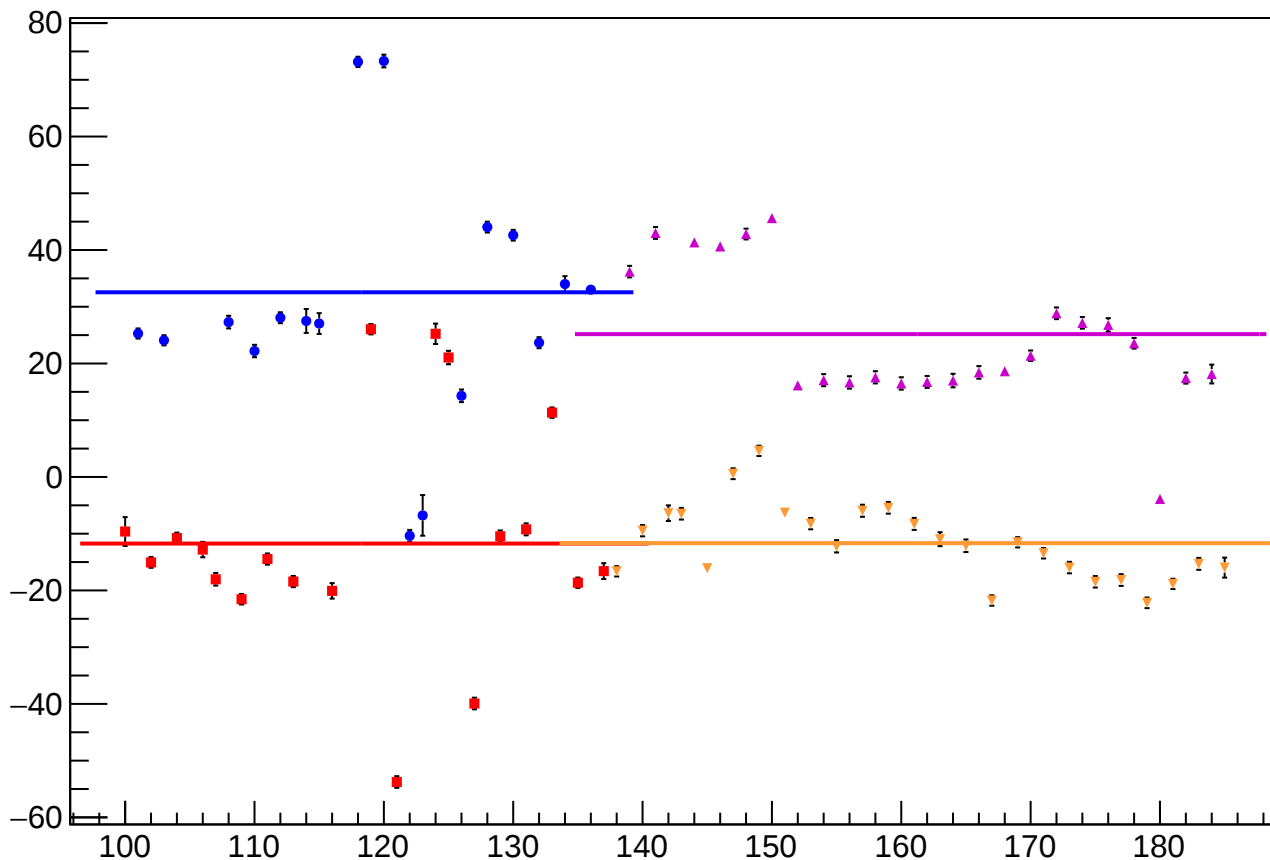
Left In: 1022.511 $\pm$ 0.174 χ^2 /NDF: 69635.5/22

+ sign 924.896 $\pm$ 0.132 χ^2 /NDF: 941390.7/41

All: 923.801 $\pm$ 0.094 χ^2 /NDF: 1866880.0/83

- 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: -11.670 ± 0.201 χ^2/NDF : 1147.9/24

Right Out: -11.737 ± 0.247 χ^2/NDF : 6313.2/18

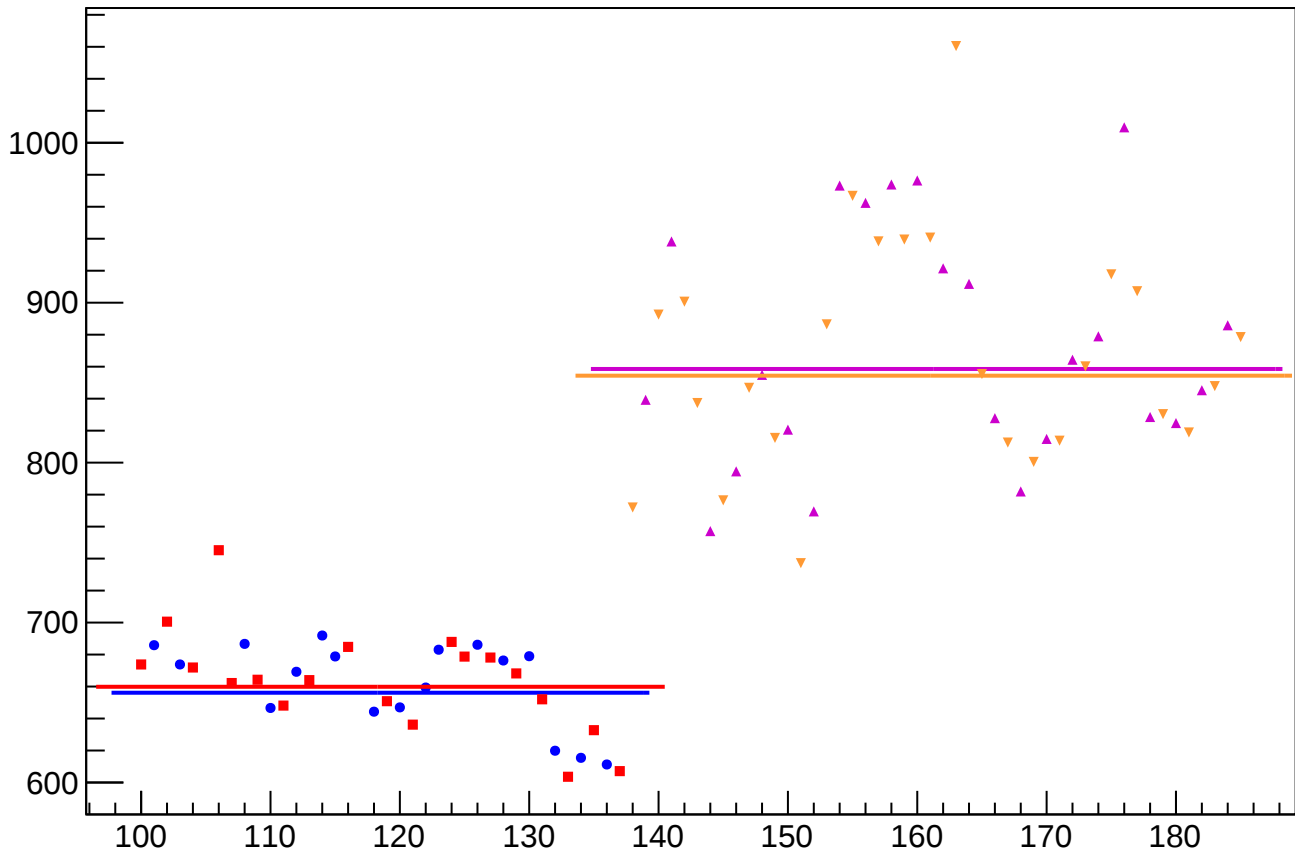
Left In: 25.174 ± 0.207 χ^2/NDF : 3747.1/22

+ sign 5.384 ± 0.157 χ^2/NDF : 25949.7/41

All: 7.640 ± 0.112 χ^2/NDF : 49498.1/83

- sign 9.943 ± 0.159 χ^2/NDF : 23132.8/41

diff_bpm1i04Y_rms vs Slug



Right In: 656.132 ± 0.179 χ^2/NDF : 23518.0/16

Left Out: 854.372 ± 0.142 χ^2/NDF : 234308.1/24

Right Out: 659.855 ± 0.175 χ^2/NDF : 28270.5/18

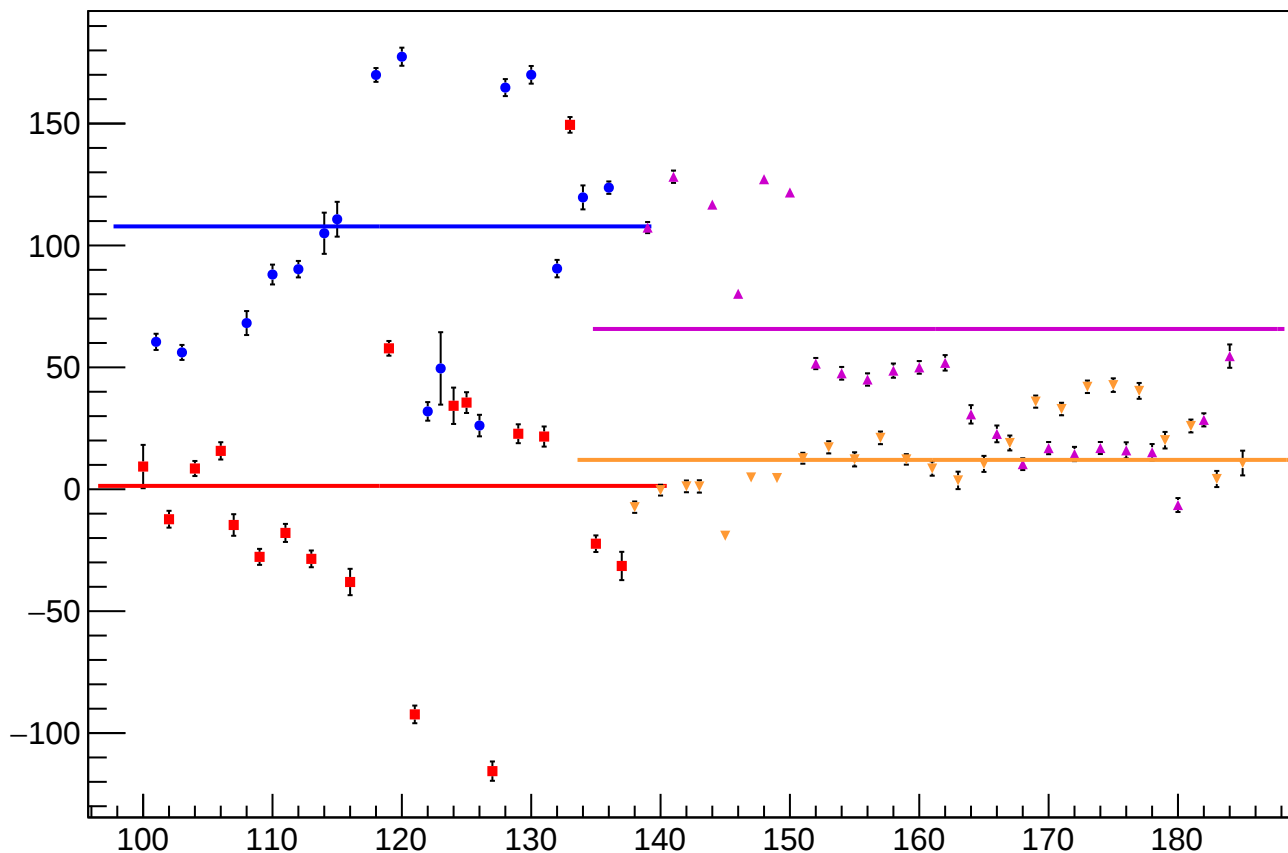
Left In: 858.563 ± 0.147 χ^2/NDF : 239019.8/22

+ sign 777.918 ± 0.111 χ^2/NDF : 1010484.5/41

All: 777.251 ± 0.079 χ^2/NDF : 2035588.7/83

- sign 776.569 ± 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: 12.051 $\pm$ 0.507 χ^2 /NDF: 969.9/24

Right Out: 1.388 $\pm$ 0.885 χ^2 /NDF: 4515.0/18

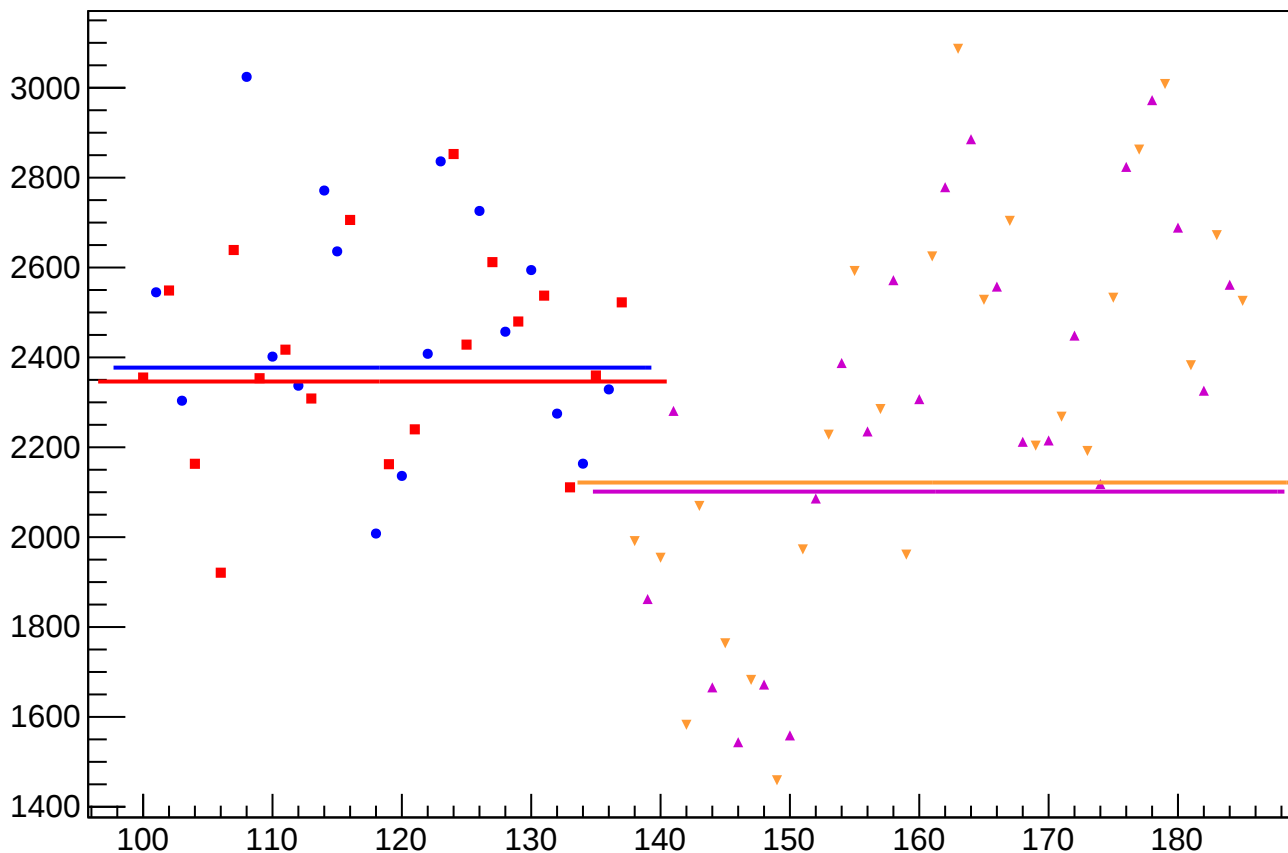
Left In: 65.752 $\pm$ 0.518 χ^2 /NDF: 7335.8/22

+ sign 34.242 $\pm$ 0.444 χ^2 /NDF: 12054.7/41

All: 41.748 $\pm$ 0.315 χ^2 /NDF: 28421.3/83

- 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: 2121.596+/-0.358 χ^2/NDF : 1387629.3/24

Right Out: 2346.354+/-0.626 χ^2/NDF : 108612.6/18

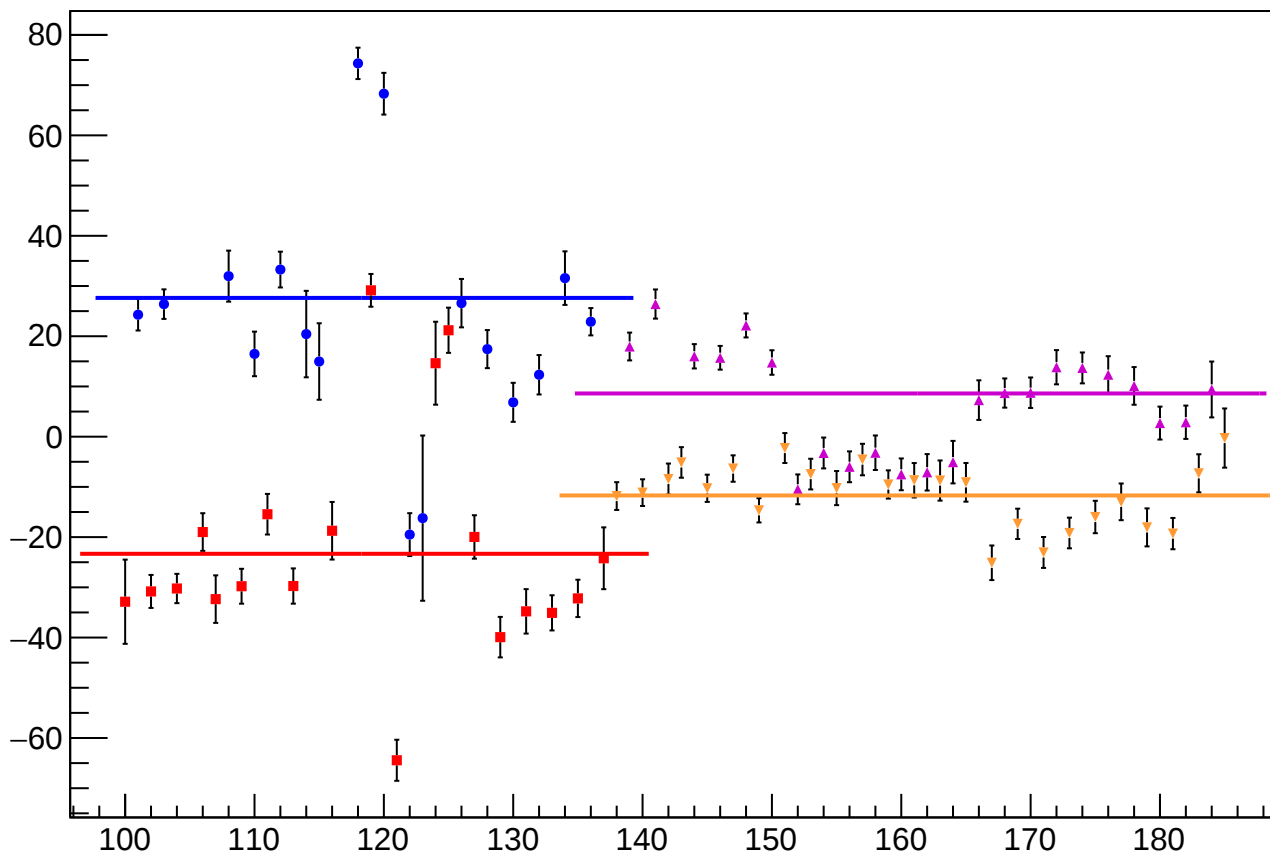
Left In: 2101.325+/-0.366 χ^2/NDF : 1360518.3/22

+ sign 2180.840+/-0.314 χ^2/NDF : 1624953.1/41

All: 2172.370+/-0.223 χ^2/NDF : 3209797.7/83

- 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: -11.704 ± 0.628 χ^2/NDF : 85.5/24

Right Out: -23.322 ± 0.929 χ^2/NDF : 548.2/18

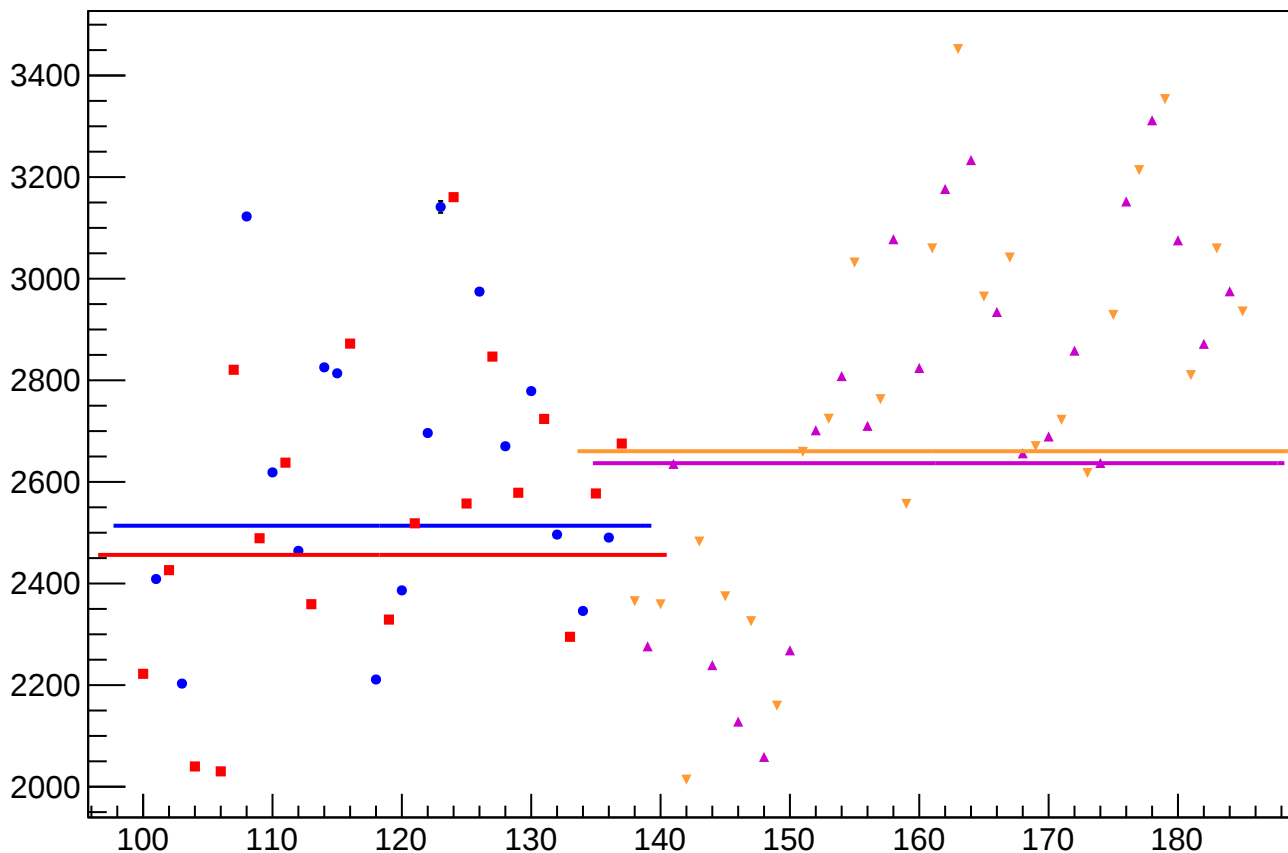
Left In: 8.606 ± 0.642 χ^2/NDF : 264.2/22

+ sign -0.196 ± 0.528 χ^2/NDF : 1751.0/41

All: -0.958 ± 0.373 χ^2/NDF : 3367.6/83

- 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: 2660.438 $\pm$ 0.444 χ^2 /NDF: 615518.4/24

Right Out: 2456.343 $\pm$ 0.657 χ^2 /NDF: 149877.3/18

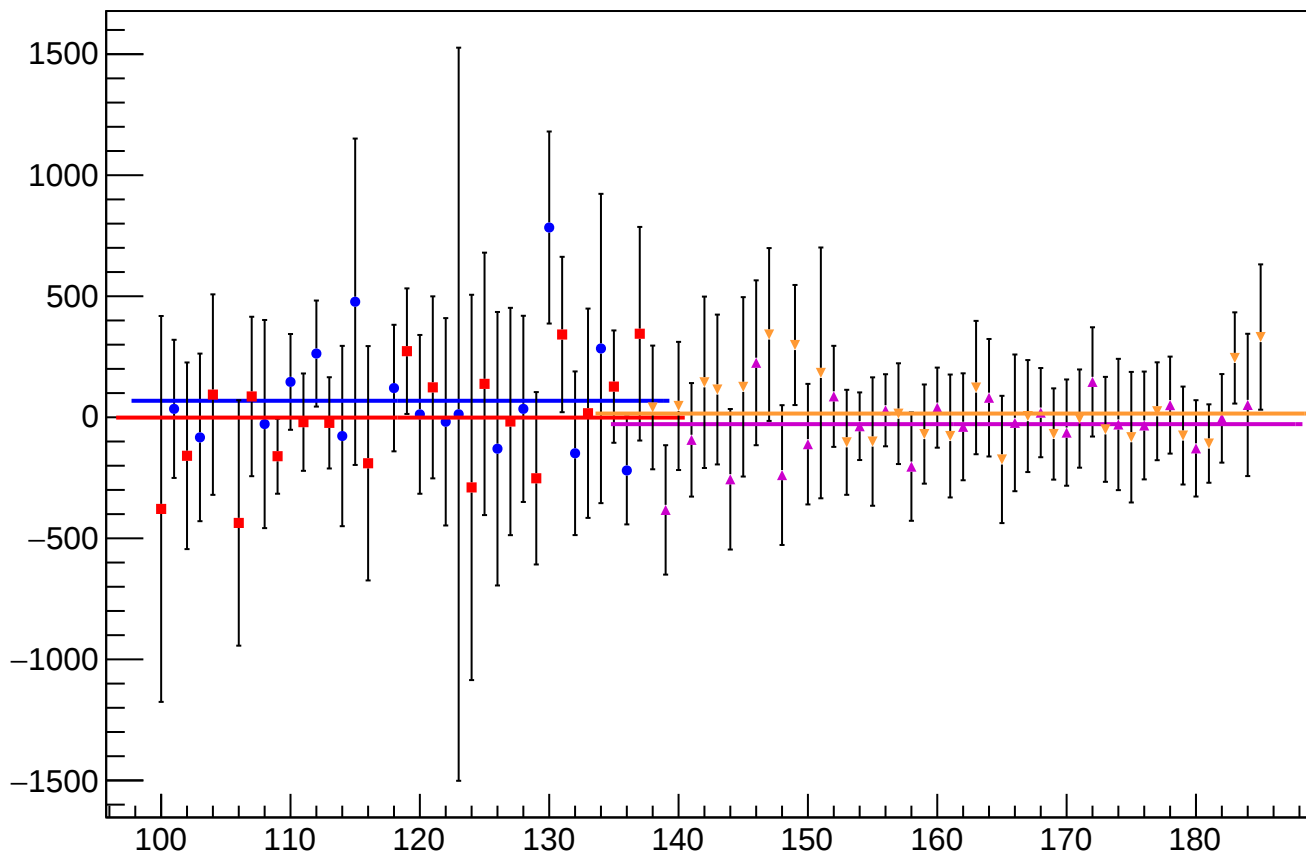
Left In: 2636.885 $\pm$ 0.454 χ^2 /NDF: 652894.5/22

+ sign 2617.529 $\pm$ 0.373 χ^2 /NDF: 768315.2/41

All: 2598.012 $\pm$ 0.264 χ^2 /NDF: 1627712.2/83

- 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 χ^2/NDF : 7.4/16

Left Out: 15.428+/-47.612 χ^2/NDF : 7.9/24

Right Out: -1.201+/-69.991 χ^2/NDF : 6.5/18

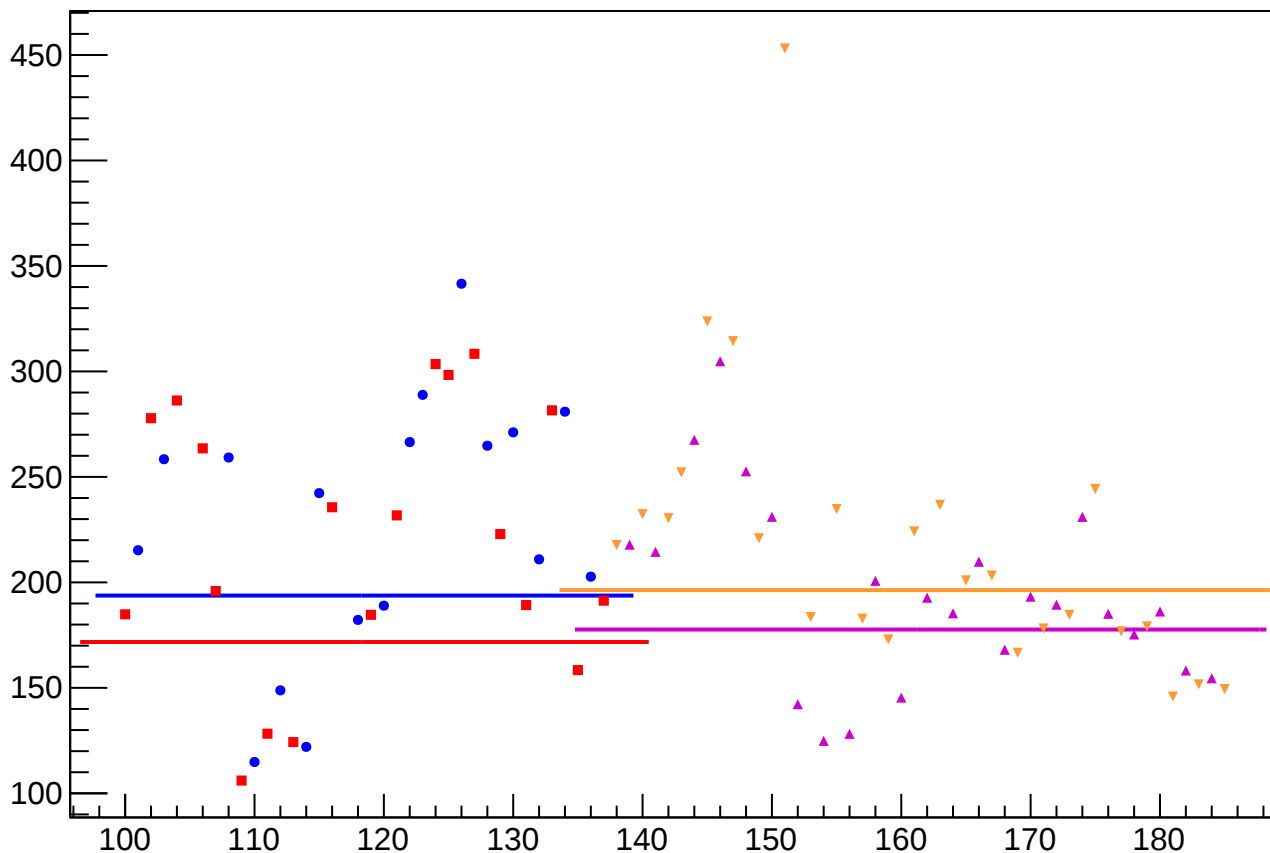
Left In: -28.310+/-44.638 χ^2/NDF : 6.3/22

+ sign 29.437+/-40.812 χ^2/NDF : 15.6/41

All: 2.465+/-27.667 χ^2/NDF : 29.3/83

- sign -20.471+/-37.636 χ^2/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: 196.338 $\pm$ 0.034 χ^2 /NDF: 1776870.5/24

Right Out: 171.741 $\pm$ 0.049 χ^2 /NDF: 1571422.7/18

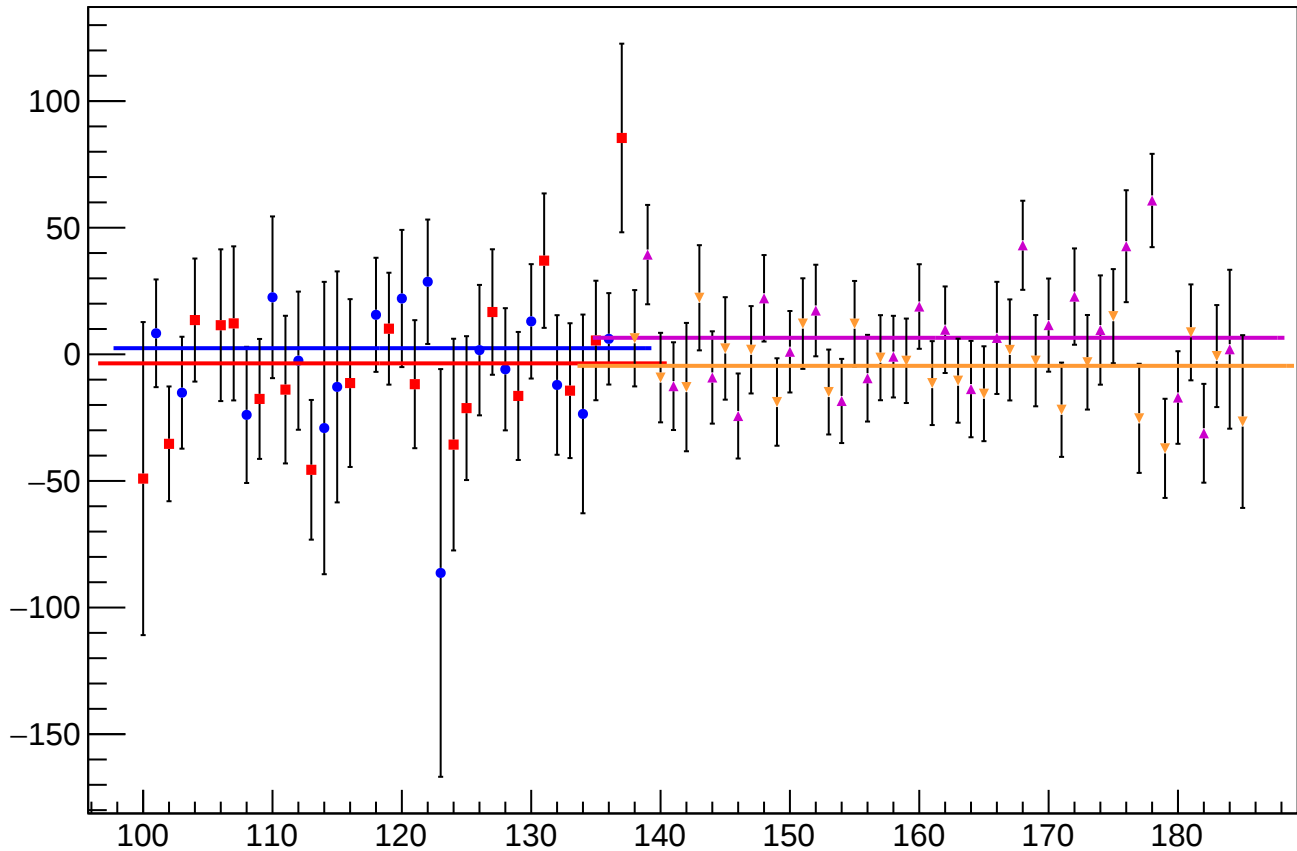
Left In: 177.643 $\pm$ 0.032 χ^2 /NDF: 1630664.5/22

+ sign 195.652 $\pm$ 0.029 χ^2 /NDF: 2789554.9/41

All: 184.997 $\pm$ 0.020 χ^2 /NDF: 6253973.0/83

- 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: -4.545 ± 3.738 χ^2/NDF : 12.8/24

Right Out: -3.569 ± 6.294 χ^2/NDF : 17.1/18

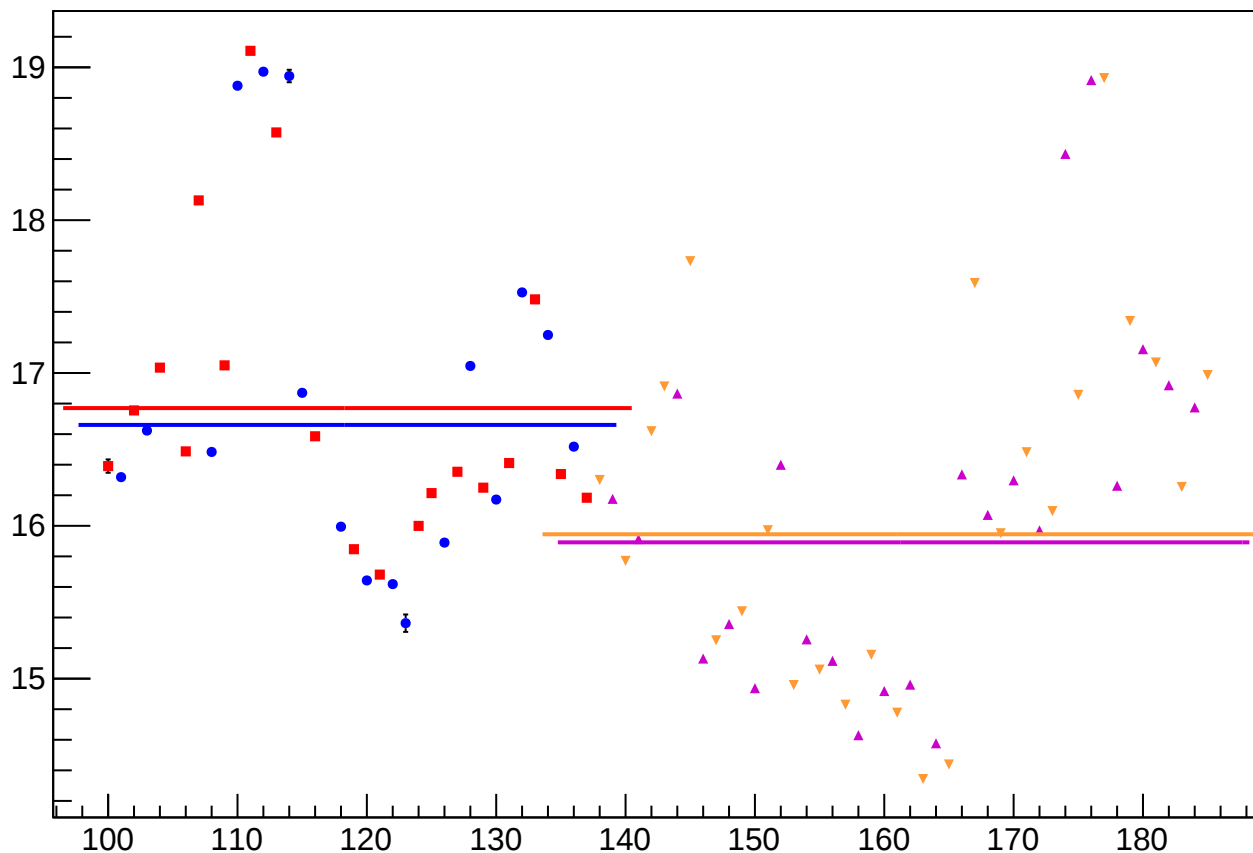
Left In: 6.526 ± 3.828 χ^2/NDF : 36.4/22

+ sign -2.789 ± 3.233 χ^2/NDF : 20.5/41

All: 0.468 ± 2.299 χ^2/NDF : 77.9/83

- 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: 15.945 $\pm$ 0.003 χ^2 /NDF: 172547.0/24

Right Out: 16.770 $\pm$ 0.004 χ^2 /NDF: 39259.2/18

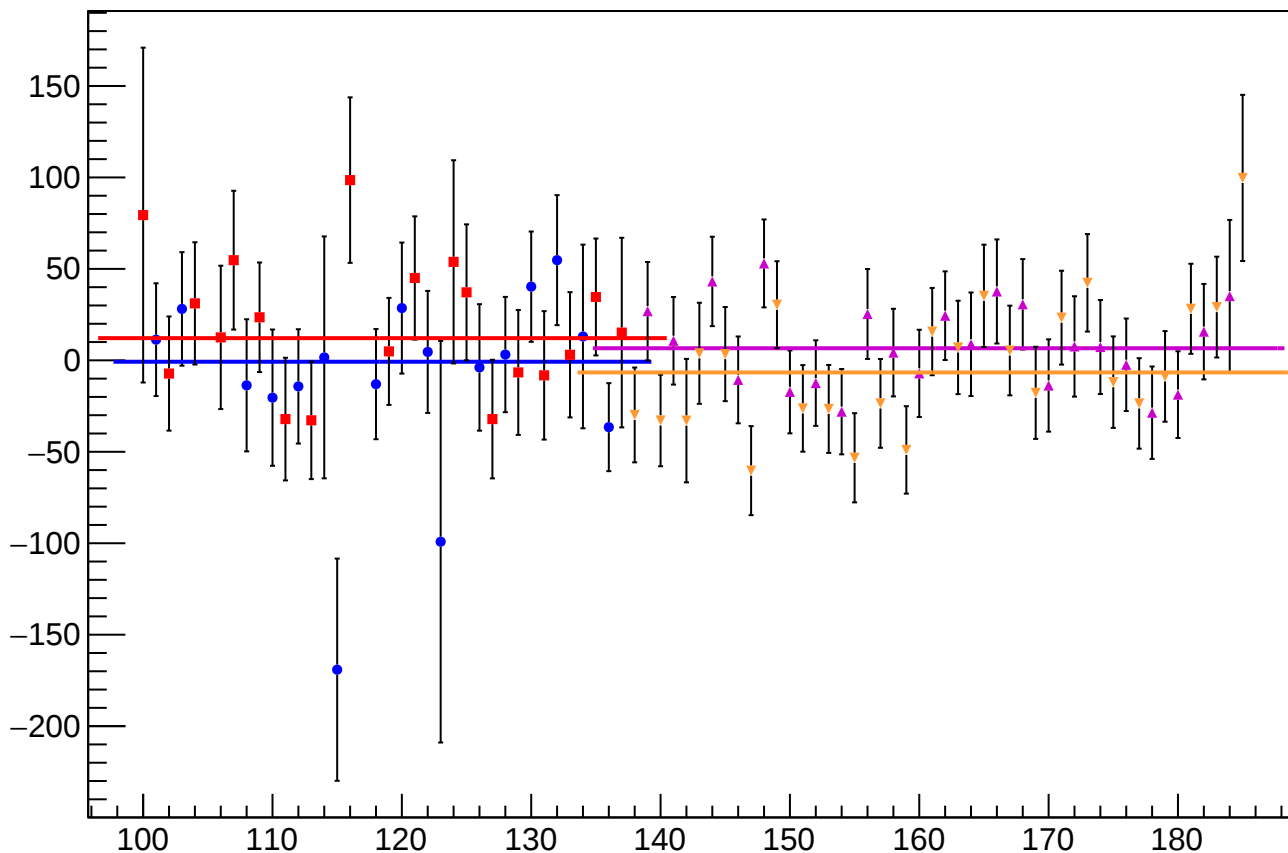
Left In: 15.892 $\pm$ 0.003 χ^2 /NDF: 147093.3/22

+ sign 16.125 $\pm$ 0.002 χ^2 /NDF: 233279.2/41

All: 16.127 $\pm$ 0.002 χ^2 /NDF: 448076.2/83

- 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: -6.618 ± 5.135 χ^2/NDF : 37.0/24

Right Out: 12.135 ± 8.228 χ^2/NDF : 15.1/18

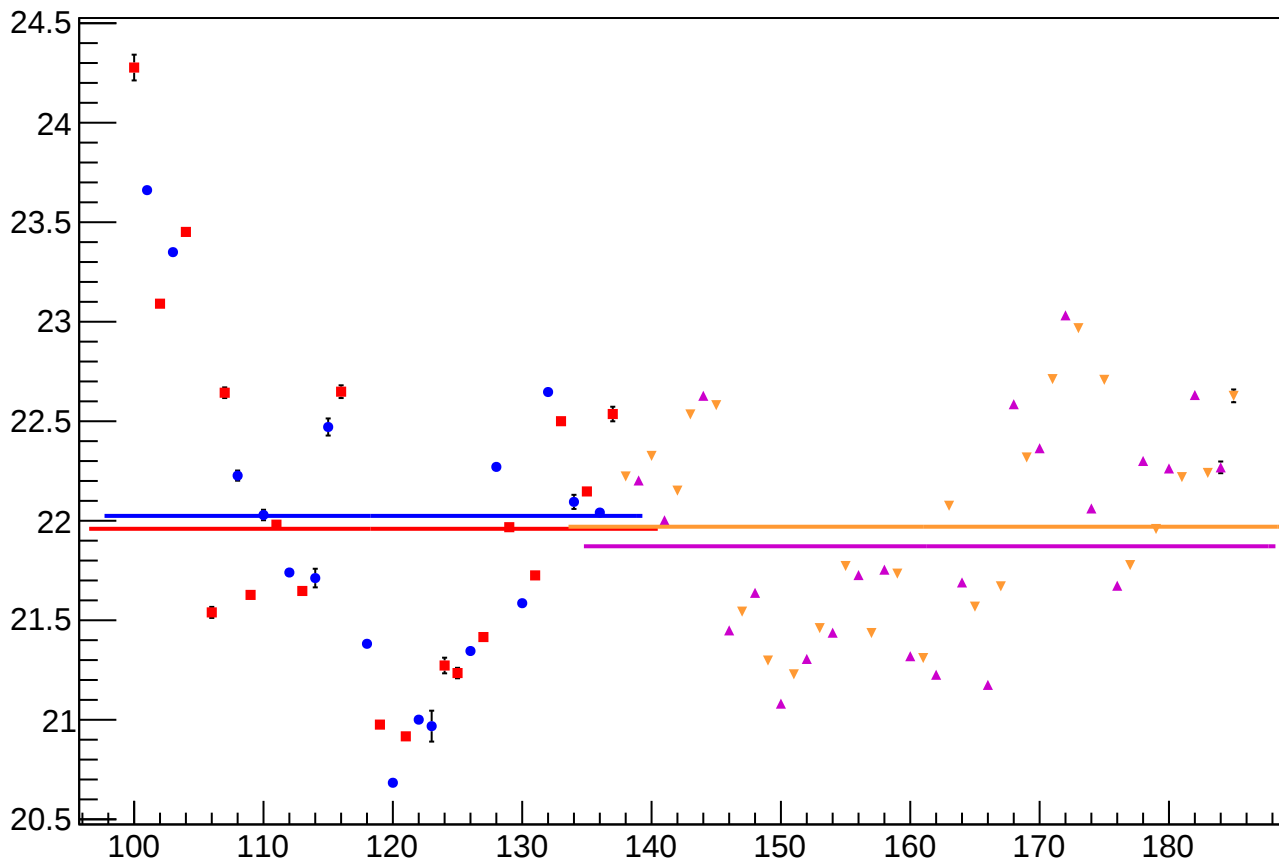
Left In: 6.611 ± 5.251 χ^2/NDF : 19.1/22

+ sign -5.054 ± 4.396 χ^2/NDF : 54.9/41

All: 1.531 ± 3.119 χ^2/NDF : 94.0/83

- 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: 21.970 $\pm$ 0.004 χ^2 /NDF:18788.2/24

Right Out: 21.960 $\pm$ 0.006 χ^2 /NDF: 16383.4/18

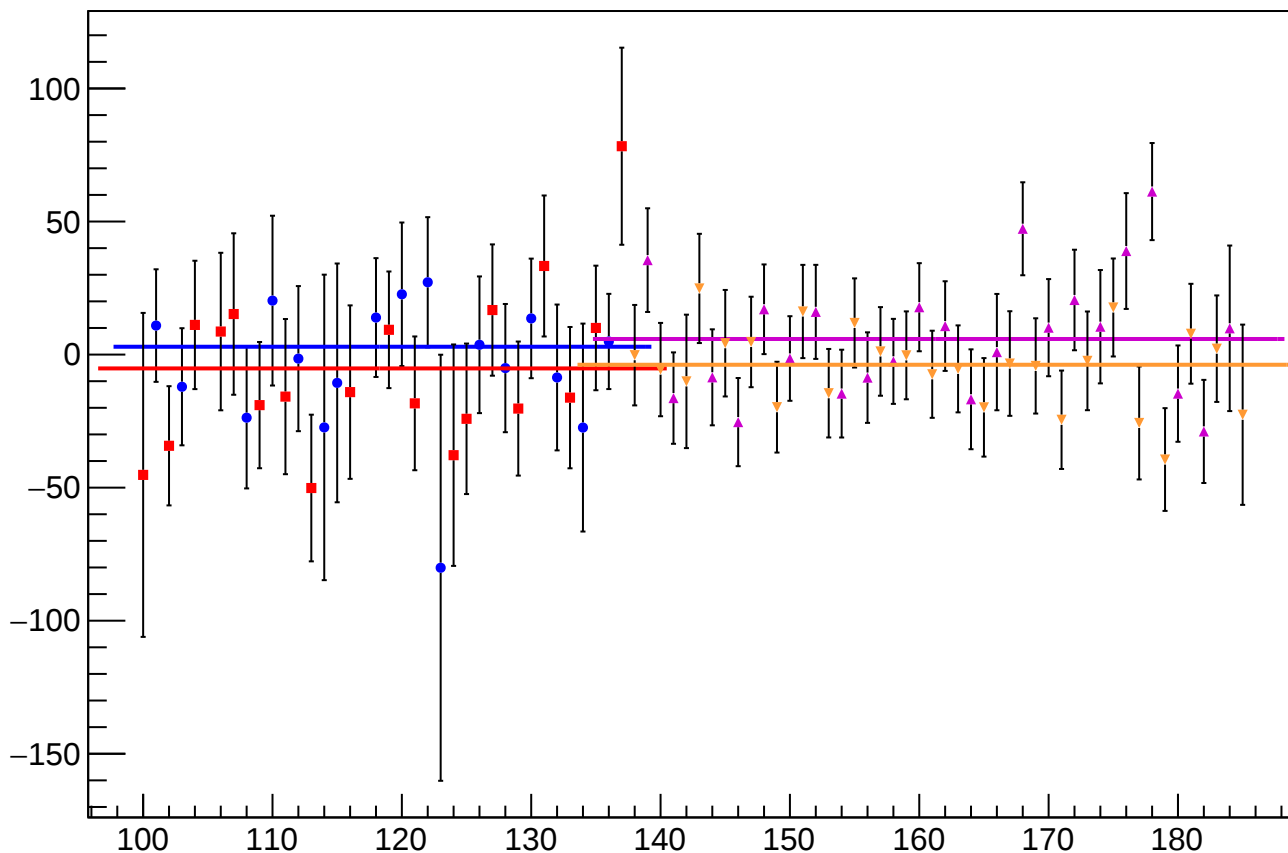
Left In: 21.872 $\pm$ 0.004 χ^2 /NDF:20524.9/22

+ sign 21.985 $\pm$ 0.003 χ^2 /NDF: 36229.2/41

All: 21.941 $\pm$ 0.002 χ^2 /NDF: 73691.9/83

- 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: -3.822 $\pm$ 3.698 χ^2 /NDF:14.8/24

Right Out: -5.199 $\pm$ 6.258 χ^2 /NDF: 17.2/18

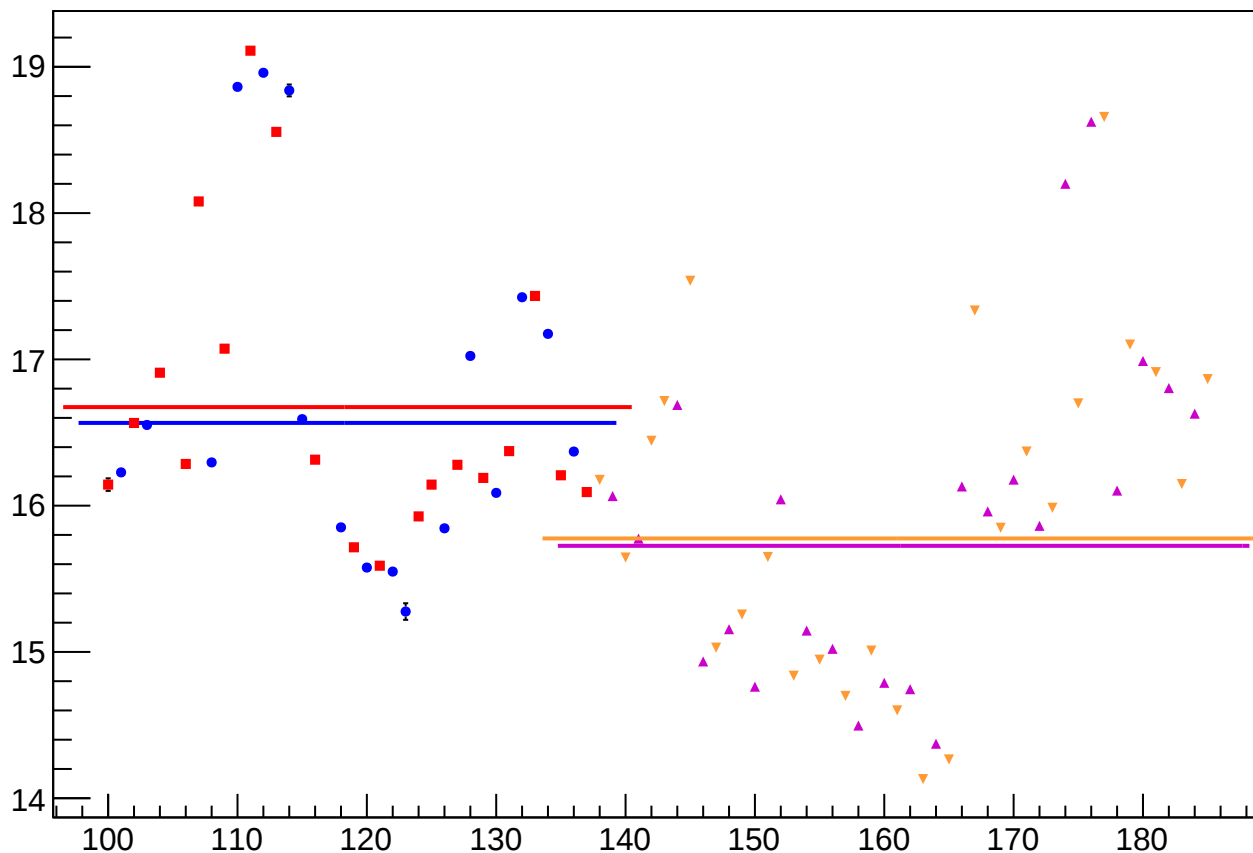
Left In: 5.861 $\pm$ 3.787 χ^2 /NDF:36.2/22

+ sign -2.129 $\pm$ 3.202 χ^2 /NDF: 21.9/41

All: 0.355 $\pm$ 2.278 χ^2 /NDF: 78.7/83

- 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: 15.776 $\pm$ 0.003 χ^2 /NDF:172100.4/24

Right Out: 16.674 $\pm$ 0.004 χ^2 /NDF: 42453.5/18

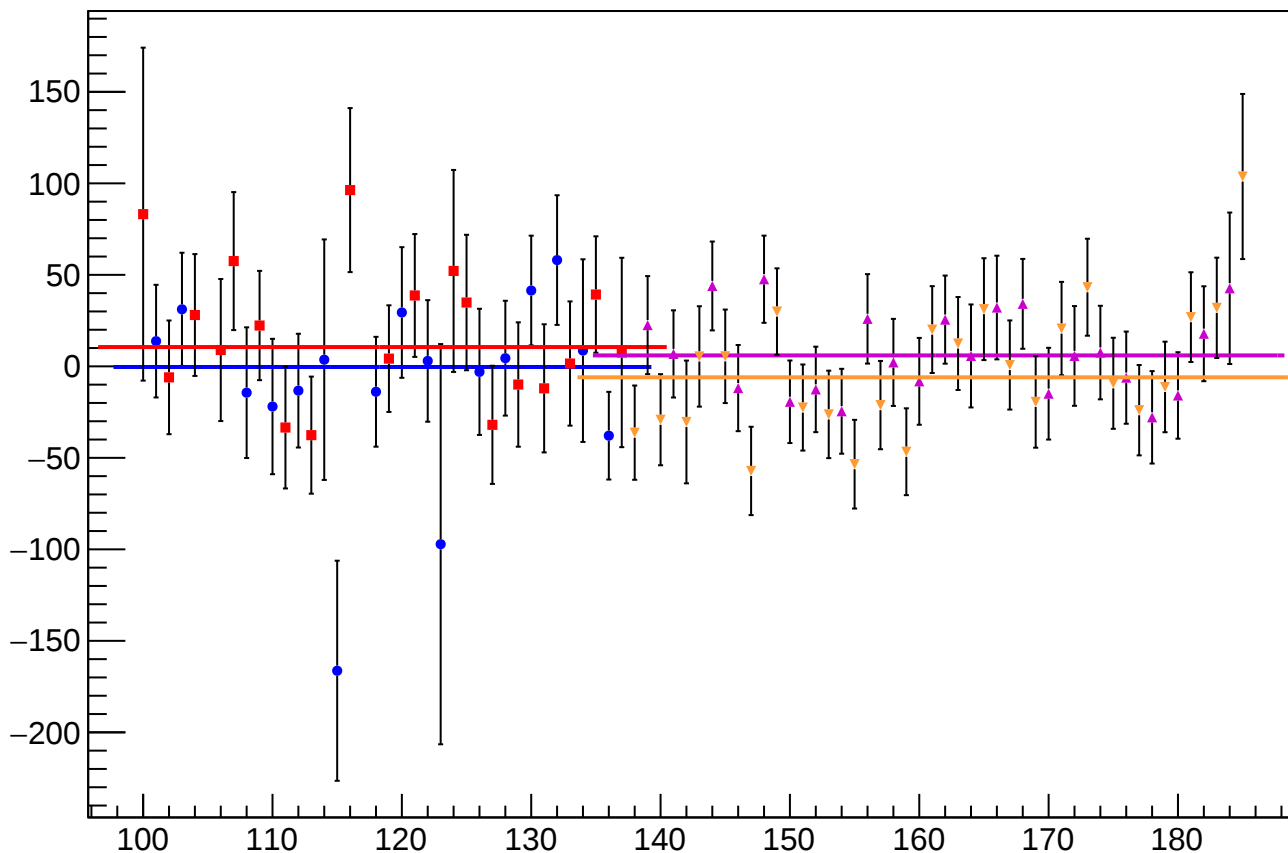
Left In: 15.725 $\pm$ 0.003 χ^2 /NDF:145830.9/22

+ sign 15.973 $\pm$ 0.002 χ^2 /NDF: 239160.5/41

All: 15.976 $\pm$ 0.002 χ^2 /NDF: 461069.8/83

- 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: -5.994 ± 5.105 χ^2/NDF : 37.0/24

Right Out: 10.548 ± 8.187 χ^2/NDF : 15.7/18

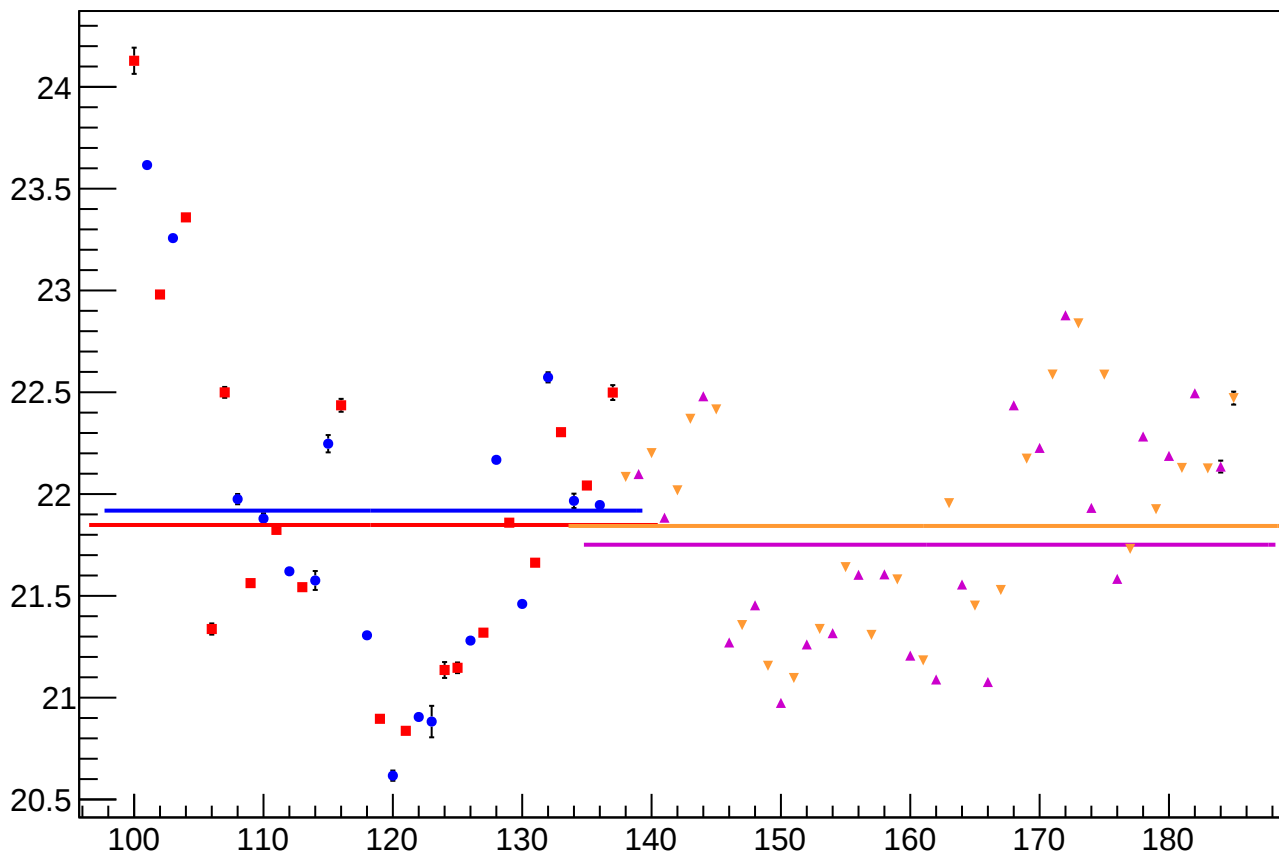
Left In: 5.978 ± 5.222 χ^2/NDF : 18.5/22

+ sign -4.491 ± 4.372 χ^2/NDF : 55.7/41

All: 1.362 ± 3.102 χ^2/NDF : 93.9/83

- 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 $\pm$ 0.006 χ^2 /NDF: 17641.8/16

Left Out: 21.843 $\pm$ 0.004 χ^2 /NDF: 19070.6/24

Right Out: 21.848 $\pm$ 0.006 χ^2 /NDF: 16031.9/18

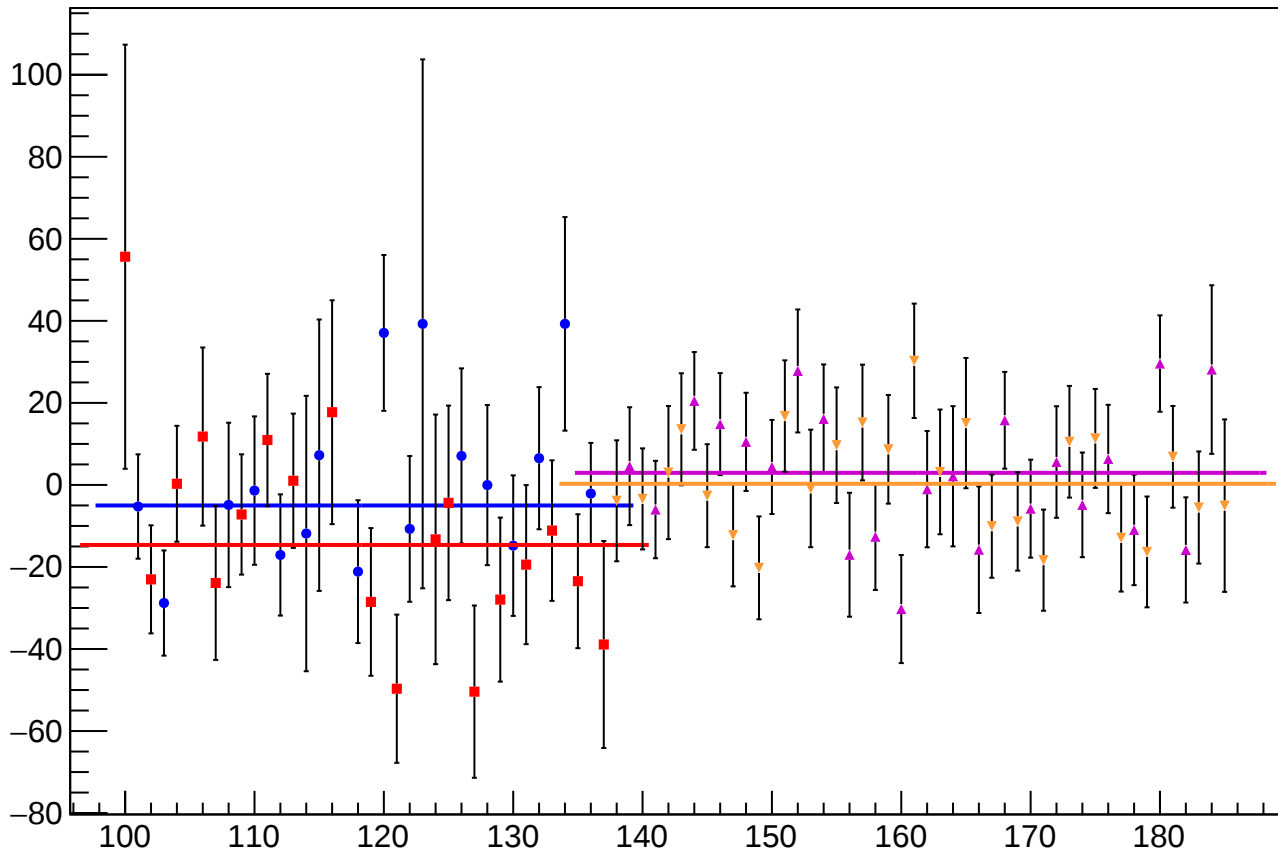
Left In: 21.751 $\pm$ 0.004 χ^2 /NDF: 20516.3/22

+ sign 21.863 $\pm$ 0.003 χ^2 /NDF: 36828.5/41

All: 21.822 $\pm$ 0.002 χ^2 /NDF: 73944.6/83

- sign 21.779 $\pm$ 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: 0.287 ± 2.707 χ^2/NDF : 21.8/24

Right Out: -14.630 ± 4.270 χ^2/NDF : 19.4/18

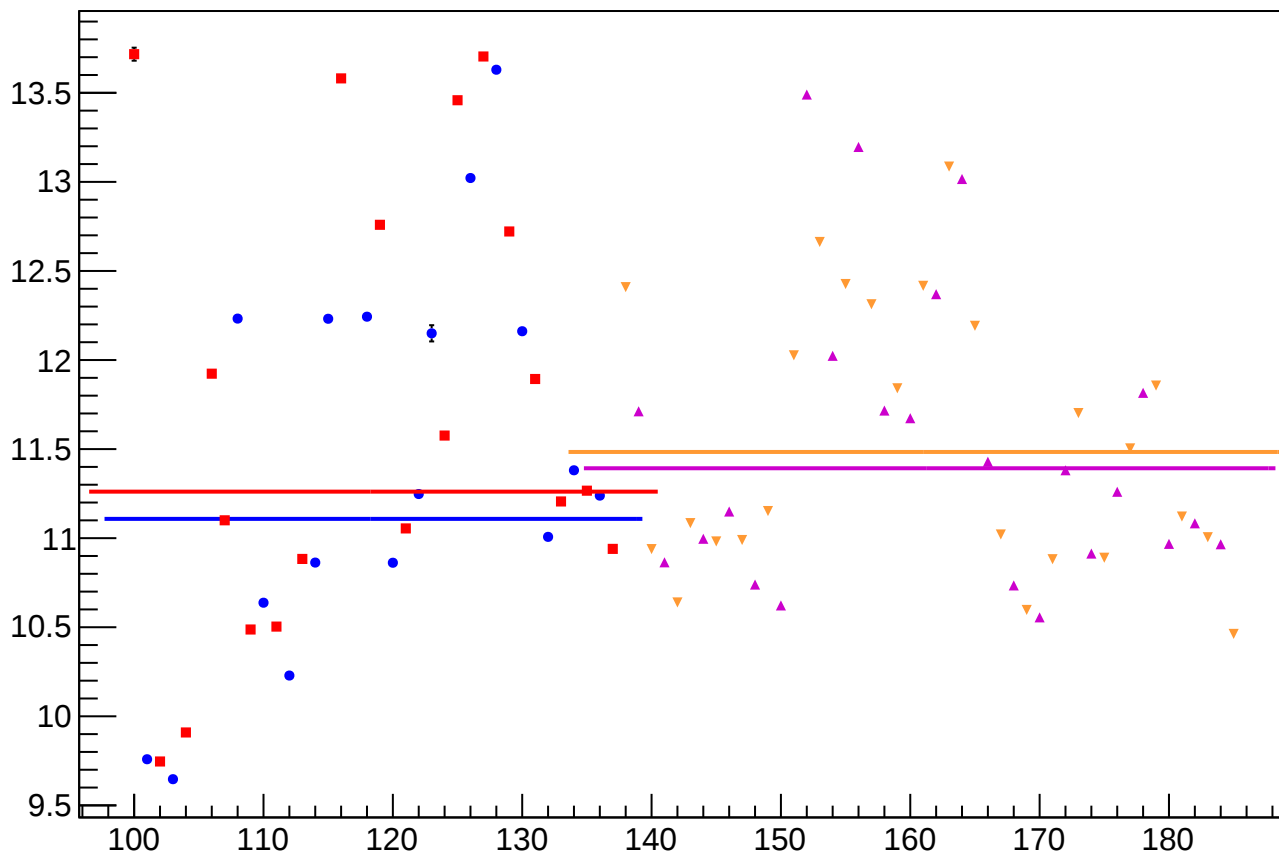
Left In: 2.944 ± 2.757 χ^2/NDF : 30.9/22

+ sign -1.200 ± 2.296 χ^2/NDF : 37.7/41

All: -1.709 ± 1.631 χ^2/NDF : 100.1/83

- 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: 11.484 $\pm$ 0.002 χ^2 /NDF: 129998.0/24

Right Out: 11.261 $\pm$ 0.003 χ^2 /NDF: 148448.6/18

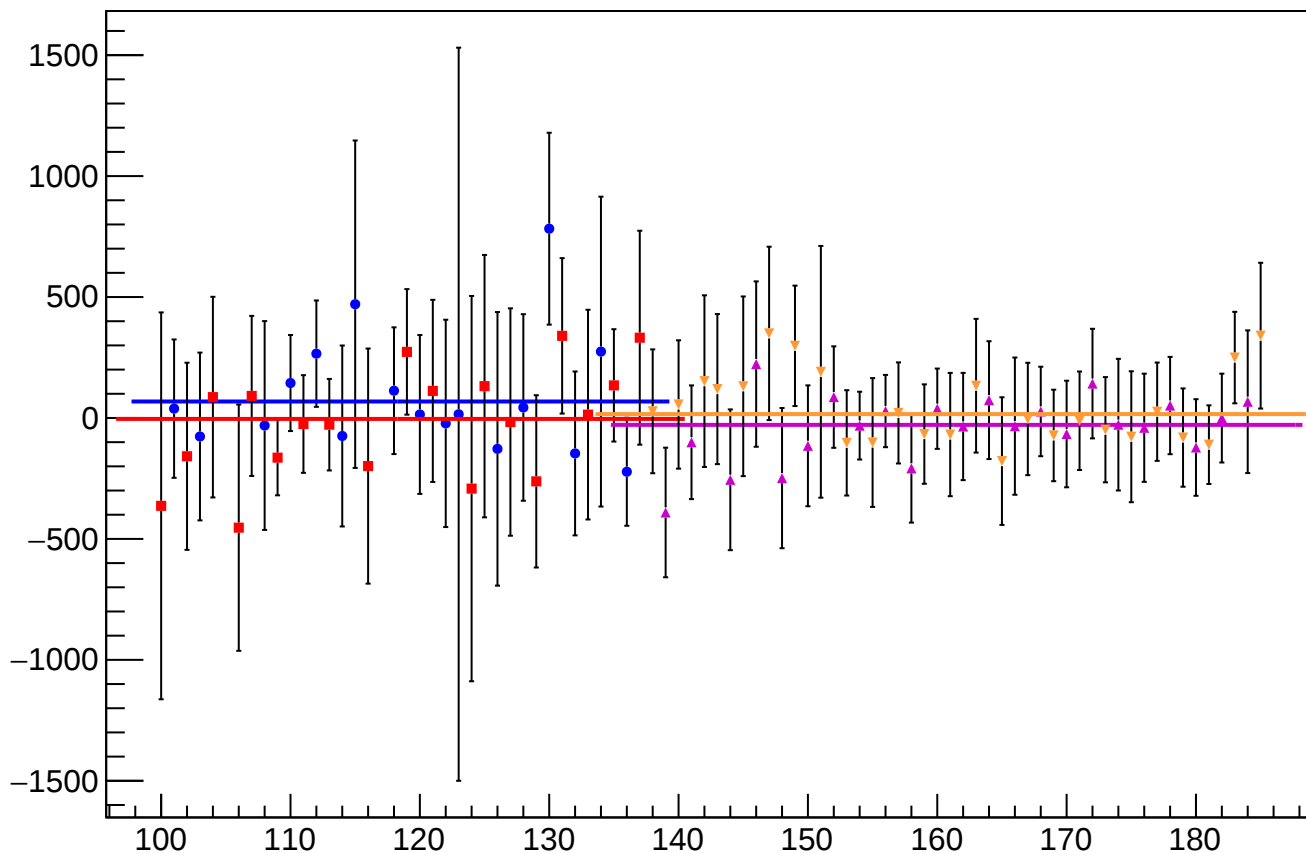
Left In: 11.392 $\pm$ 0.002 χ^2 /NDF: 150493.3/22

+ sign 11.379 $\pm$ 0.002 χ^2 /NDF: 273402.9/41

All: 11.366 $\pm$ 0.001 χ^2 /NDF: 573792.4/83

- 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 $\pm$ 79.449 χ^2 /NDF: 7.4/16

Left Out: 16.079 $\pm$ 47.789 χ^2 /NDF: 8.1/24

Right Out: -3.876 $\pm$ 70.195 χ^2 /NDF: 6.5/18

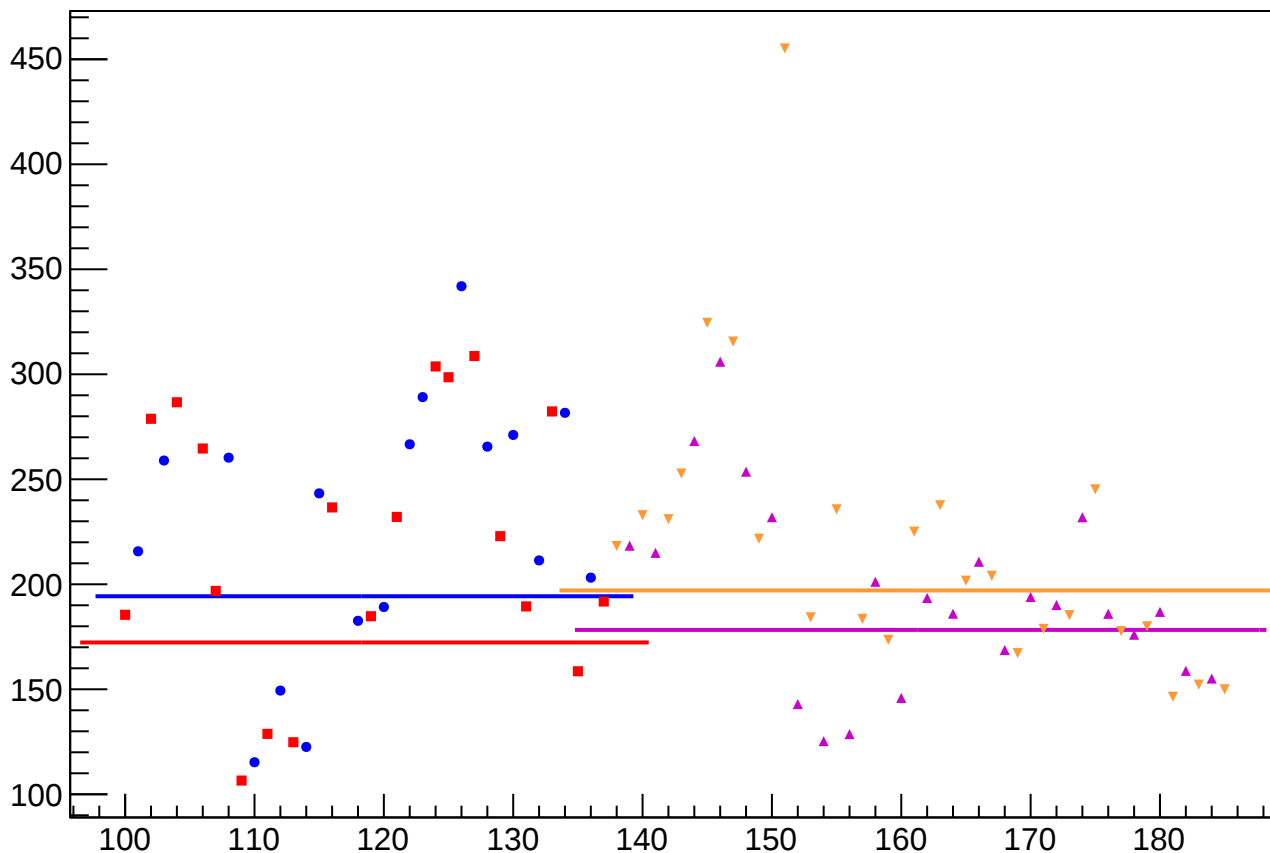
Left In: -28.500 $\pm$ 44.797 χ^2 /NDF: 6.4/22

+ sign 29.904 $\pm$ 40.952 χ^2 /NDF: 15.8/41

All: 2.191 $\pm$ 27.761 χ^2 /NDF: 29.6/83

- sign -21.374 $\pm$ 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: 197.073 $\pm$ 0.034 χ^2 /NDF: 1774281.1/24

Right Out: 172.293 $\pm$ 0.050 χ^2 /NDF: 1564135.2/18

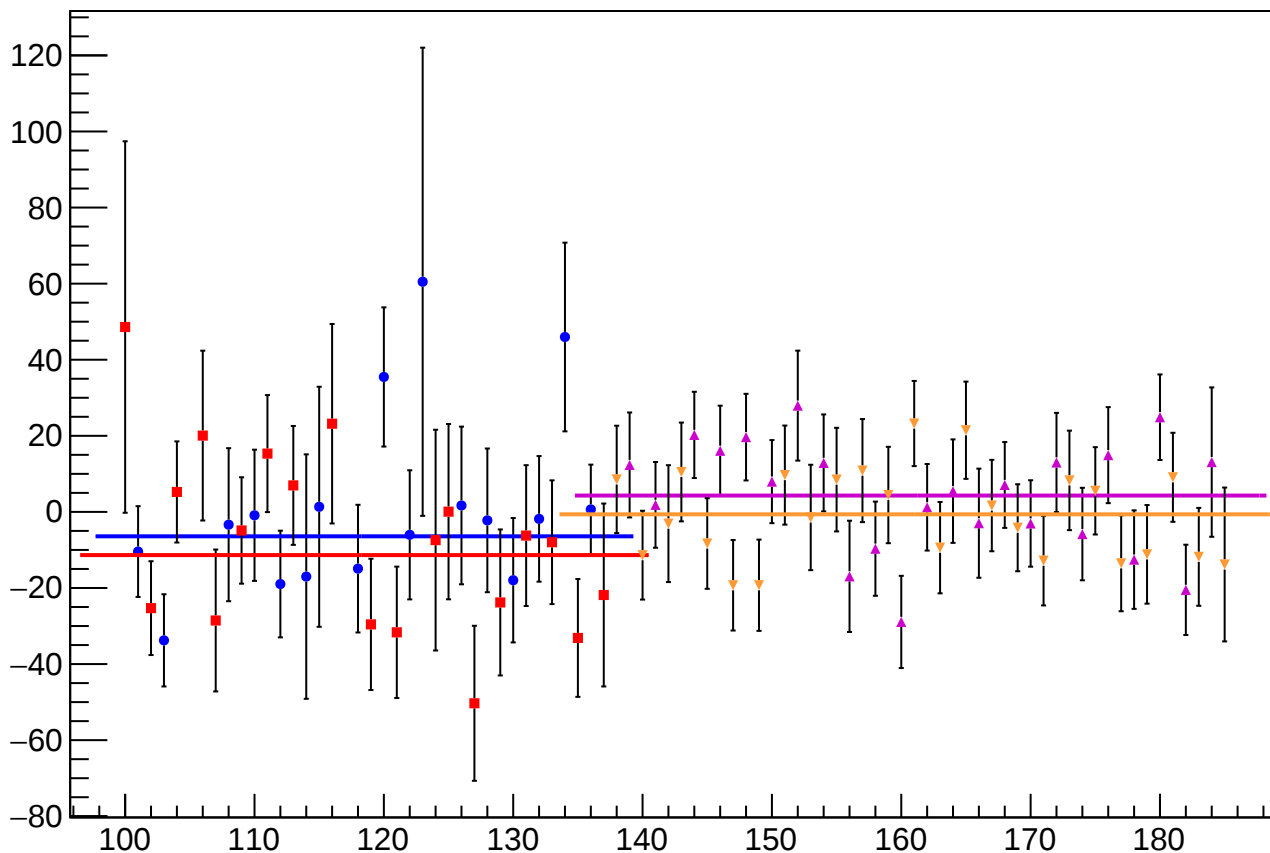
Left In: 178.277 $\pm$ 0.032 χ^2 /NDF: 1628916.6/22

+ sign 196.336 $\pm$ 0.029 χ^2 /NDF: 2782288.4/41

All: 185.640 $\pm$ 0.020 χ^2 /NDF: 6238118.5/83

- sign 176.545 $\pm$ 0.027 χ^2 /NDF: 3203380.5/41

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: -0.636 $\pm$ 2.531 χ^2 /NDF:22.9/24

Right Out: -11.351 $\pm$ 4.084 χ^2 /NDF: 22.6/18

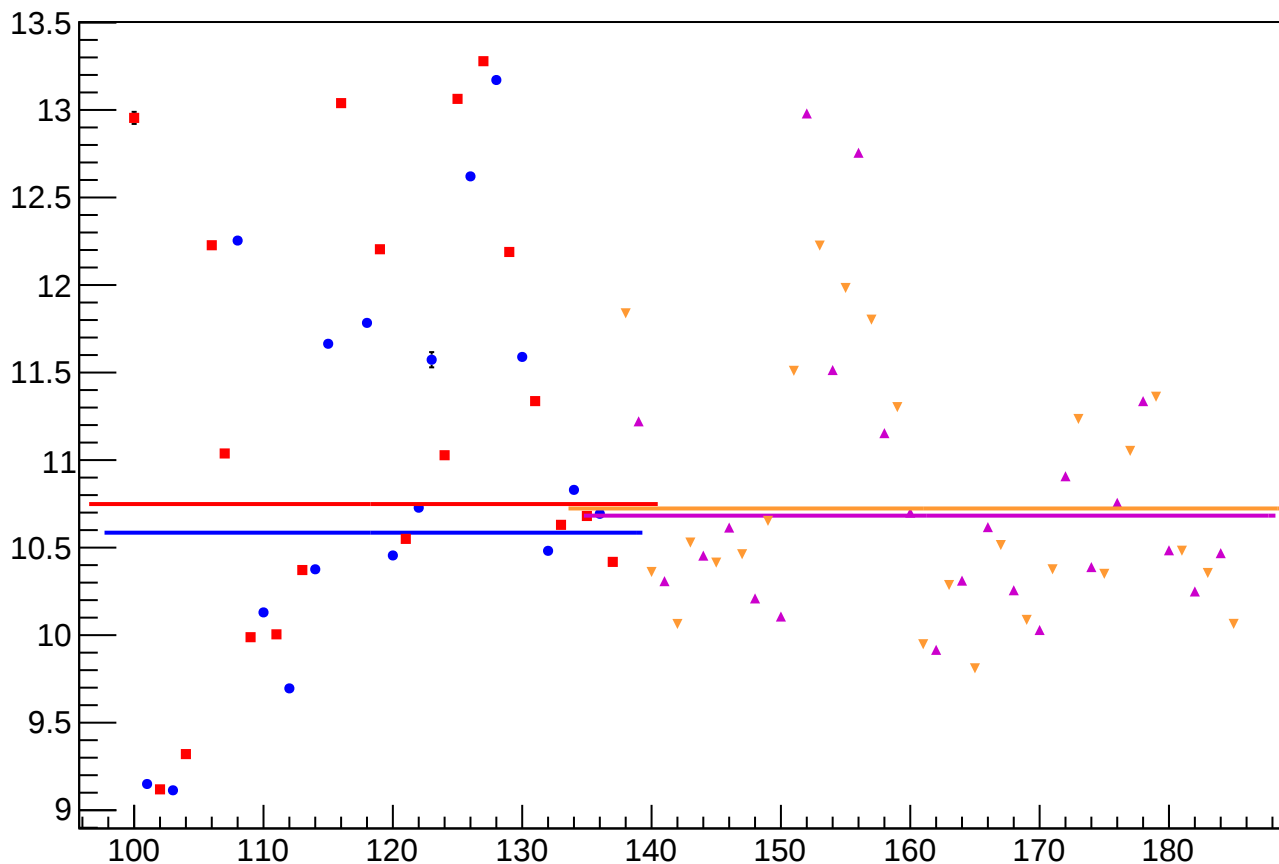
Left In: 4.298 $\pm$ 2.589 χ^2 /NDF:31.6/22

+ sign -2.210 $\pm$ 2.159 χ^2 /NDF: 42.9/41

All: -1.212 $\pm$ 1.536 χ^2 /NDF: 108.0/83

- 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: 10.724 ± 0.002 χ^2/NDF : 132695.0/24

Right Out: 10.749 ± 0.003 χ^2/NDF : 177905.9/18

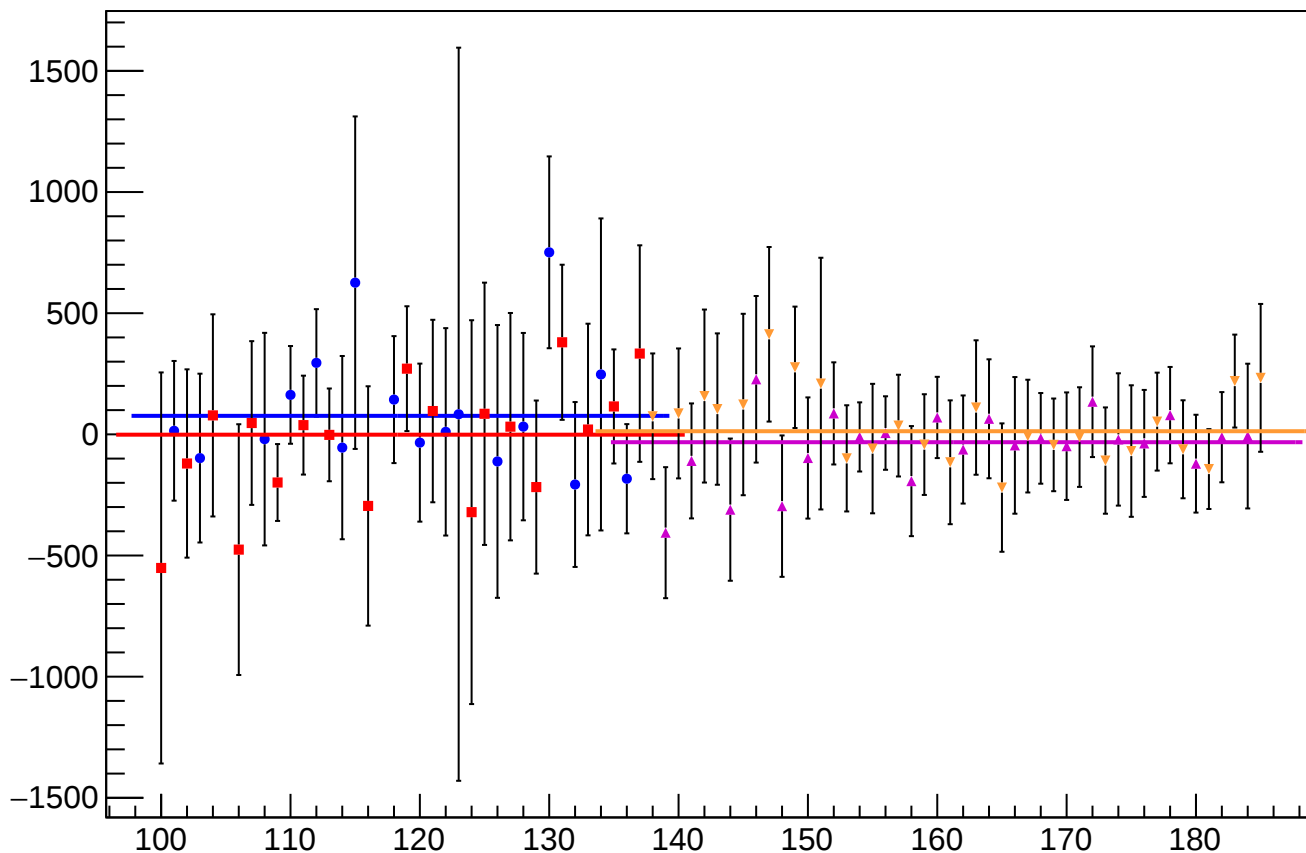
Left In: 10.683 ± 0.002 χ^2/NDF : 147835.6/22

+ sign 10.686 ± 0.002 χ^2/NDF : 294132.8/41

All: 10.694 ± 0.001 χ^2/NDF : 620301.3/83

- 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: 12.949 $\pm$ 48.107 χ^2 /NDF: 7.8/24

Right Out: -1.355 $\pm$ 70.867 χ^2 /NDF: 7.4/18

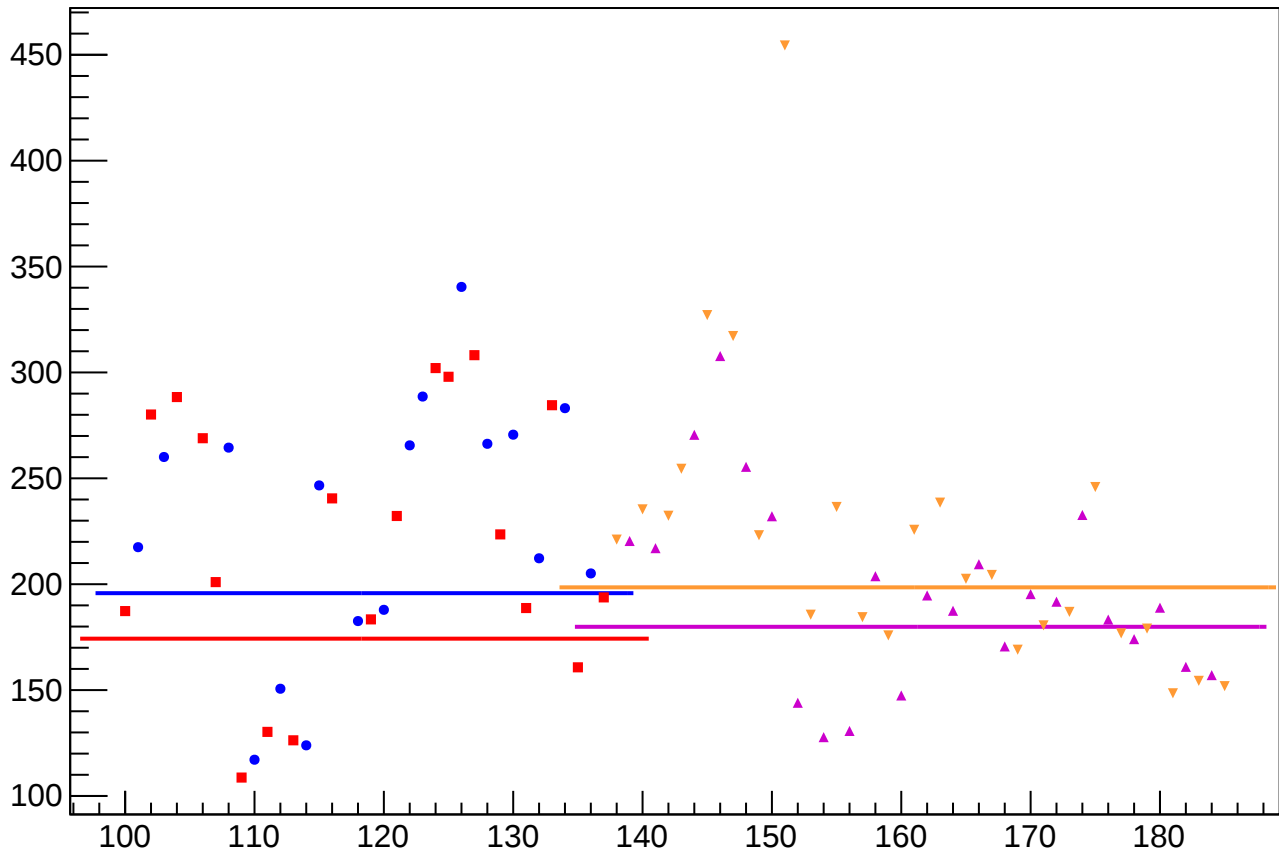
Left In: -32.413 $\pm$ 45.155 χ^2 /NDF: 6.9/22

+ sign 29.808 $\pm$ 41.223 χ^2 /NDF: 15.8/41

All: 1.076 $\pm$ 27.972 χ^2 /NDF: 31.1/83

- 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 χ^2/NDF : 980914.1/16

Left Out: 198.517 ± 0.034 χ^2/NDF : 1746839.6/24

Right Out: 174.286 ± 0.050 χ^2/NDF : 1523733.5/18

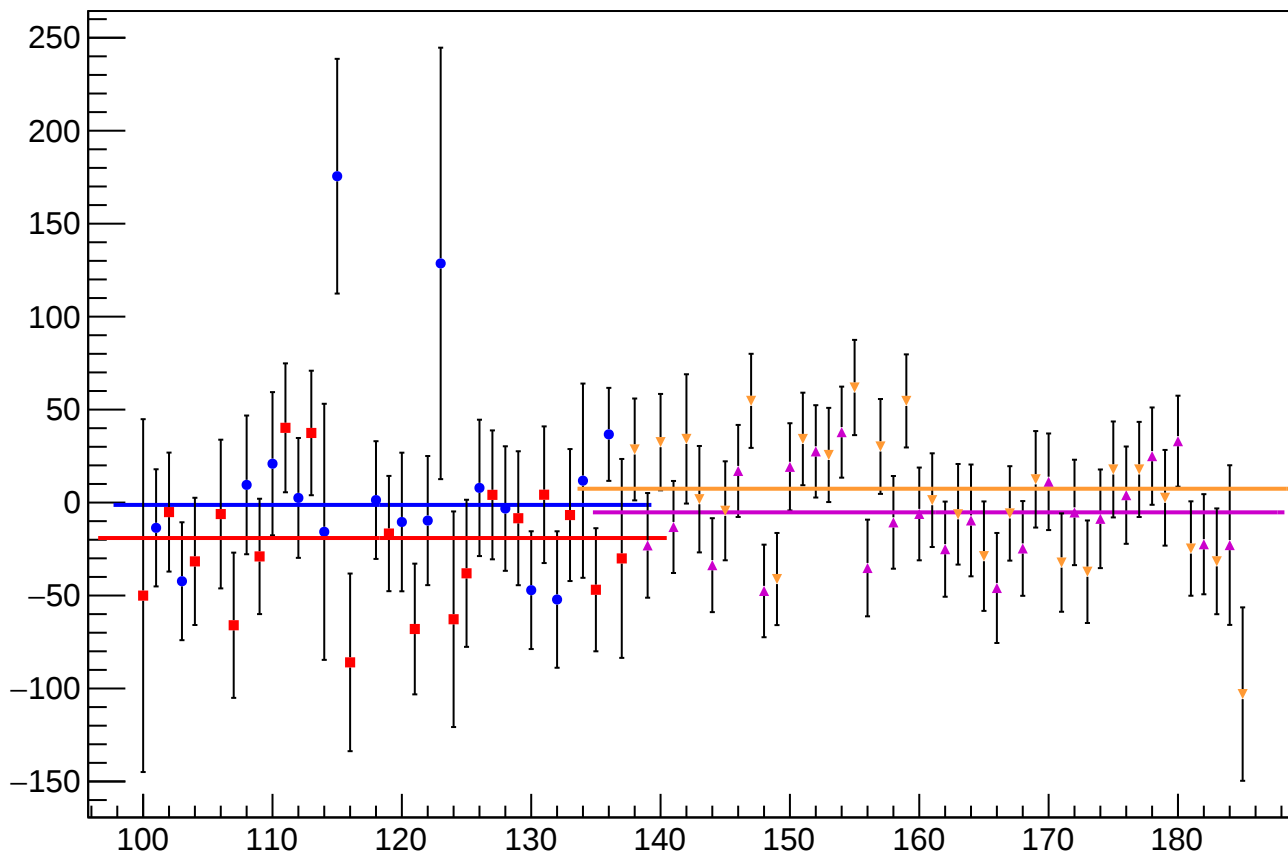
Left In: 179.886 ± 0.032 χ^2/NDF : 1580636.4/22

+ sign 197.786 ± 0.029 χ^2/NDF : 2729492.5/41

All: 187.256 ± 0.020 χ^2/NDF : 6084637.2/83

- sign 178.269 ± 0.027 χ^2/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: 7.436 ± 5.348 $\chi^2/\text{NDF}: 36.7/24$

Right Out: -19.071 ± 8.572 $\chi^2/\text{NDF}: 14.4/18$

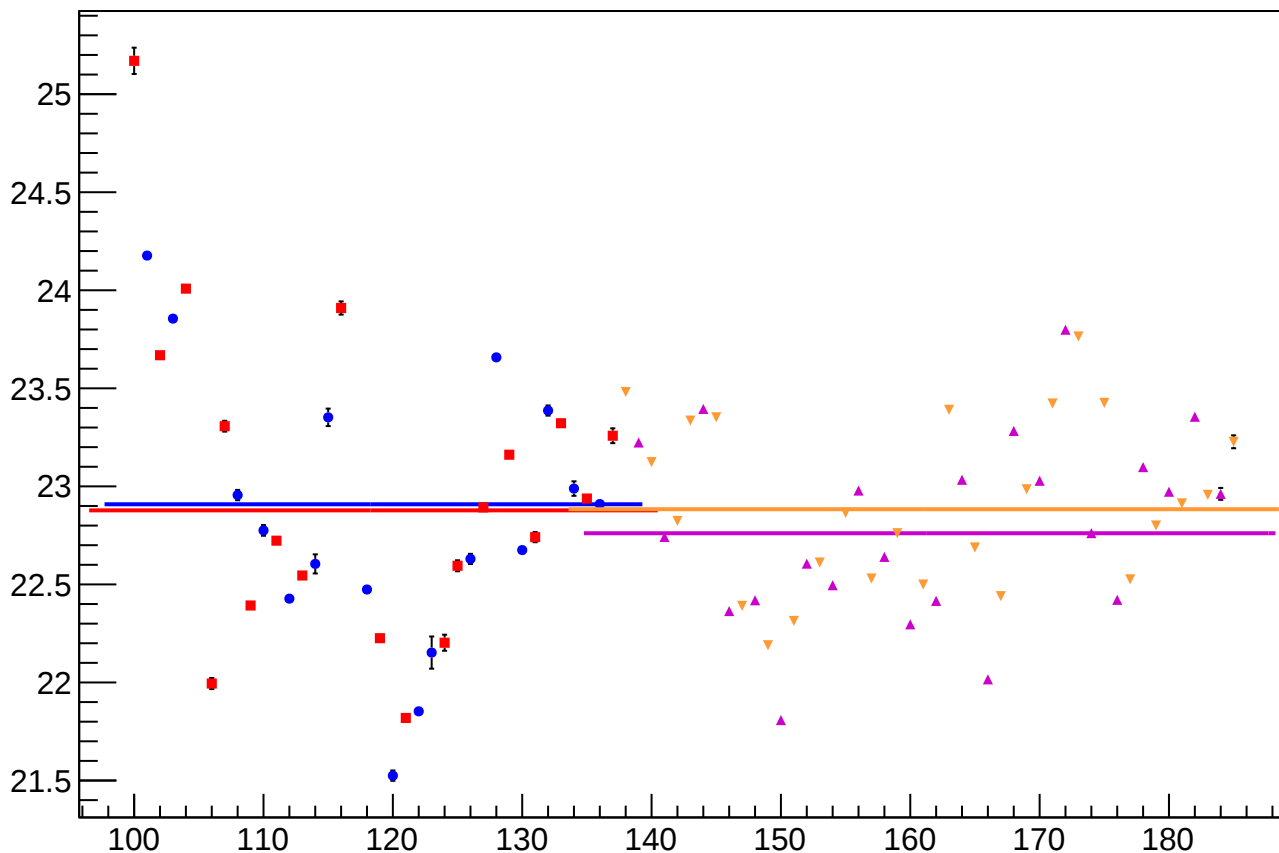
Left In: -5.261 ± 5.465 $\chi^2/\text{NDF}: 20.8/22$

+ sign 5.108 ± 4.577 $\chi^2/\text{NDF}: 55.4/41$

All: -2.023 ± 3.247 $\chi^2/\text{NDF}: 97.2/83$

- 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: 22.884 $\pm$ 0.004 χ^2 /NDF:12471.6/24

Right Out: 22.878 $\pm$ 0.006 χ^2 /NDF: 11094.4/18

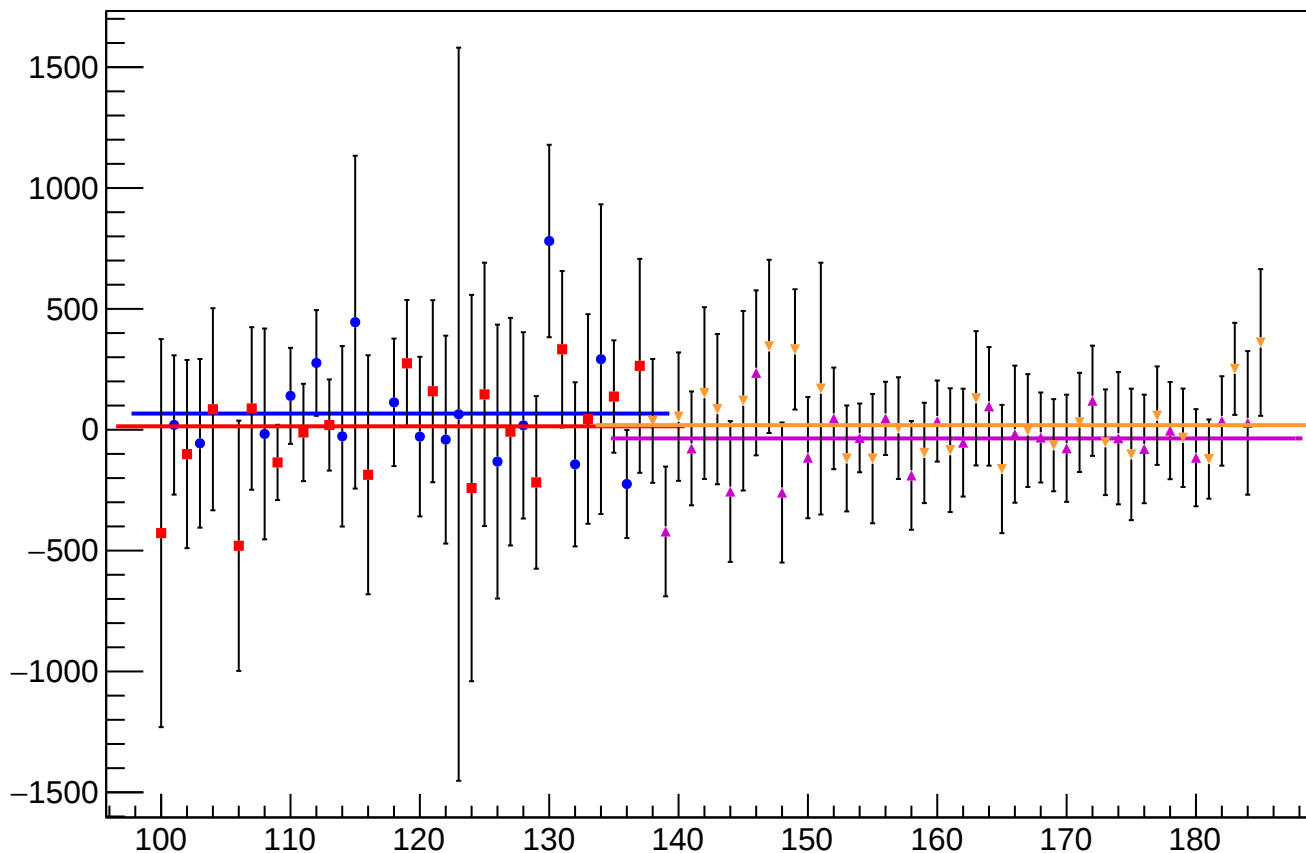
Left In: 22.761 $\pm$ 0.004 χ^2 /NDF:14550.0/22

+ sign 22.890 $\pm$ 0.003 χ^2 /NDF: 24753.9/41

All: 22.843 $\pm$ 0.002 χ^2 /NDF: 51095.1/83

- 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: 18.995 $\pm$ 48.026 χ^2 /NDF: 8.7/24

Right Out: 14.253 $\pm$ 70.367 χ^2 /NDF: 5.8/18

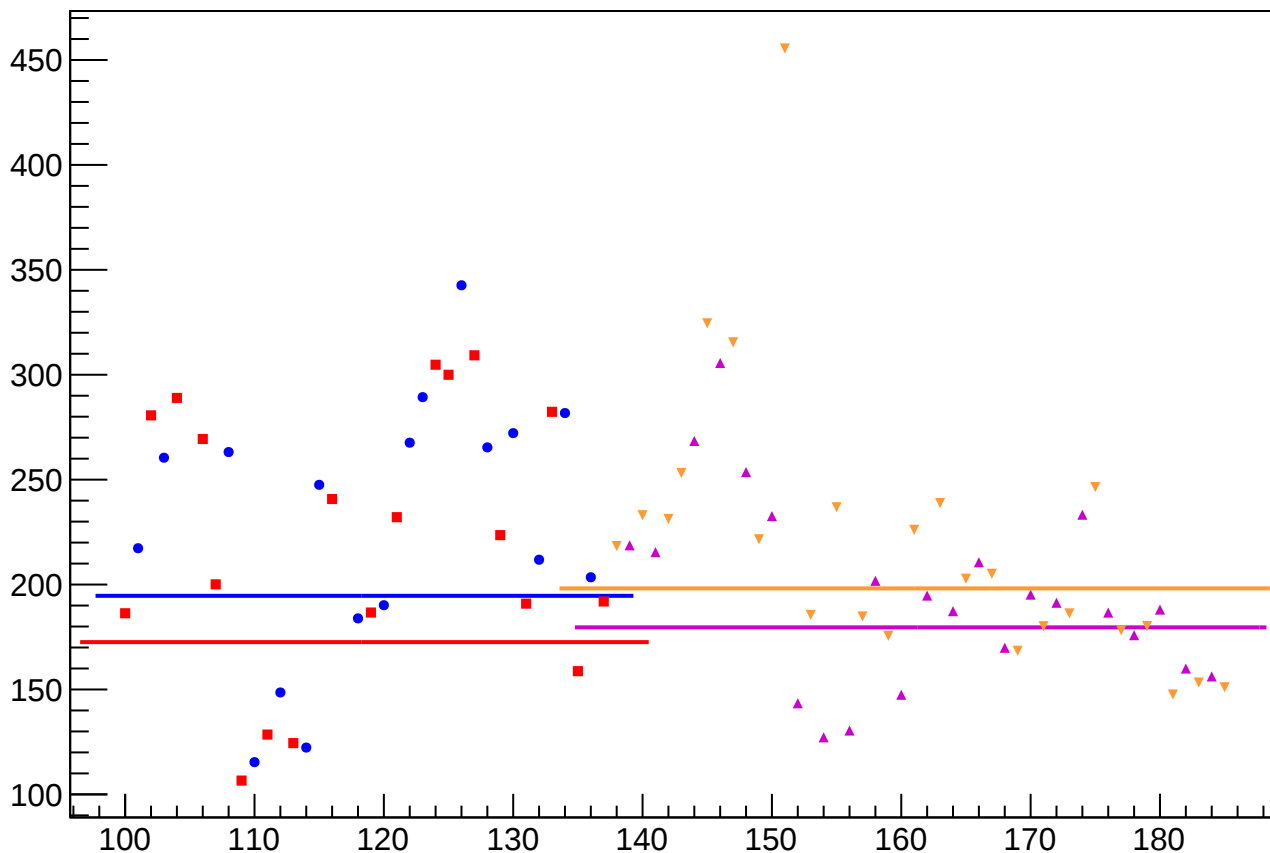
Left In: -35.879 $\pm$ 45.087 χ^2 /NDF: 6.3/22

+ sign 31.791 $\pm$ 41.125 χ^2 /NDF: 16.3/41

All: 3.133 $\pm$ 27.895 χ^2 /NDF: 29.6/83

- 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: 198.168 ± 0.034 χ^2/NDF : 1745220.0/24

Right Out: 172.571 ± 0.050 χ^2/NDF : 1591230.2/18

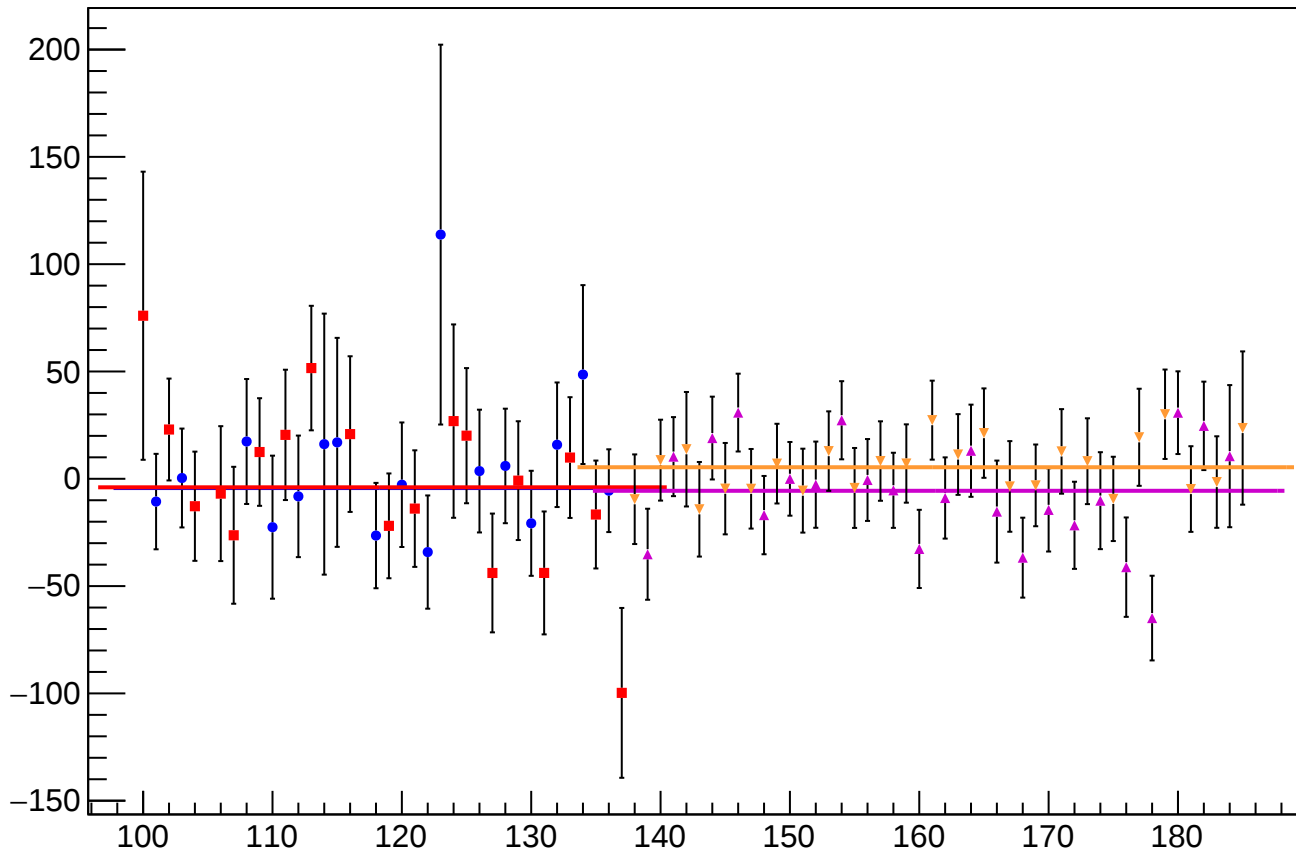
Left In: 179.605 ± 0.032 χ^2/NDF : 1575744.0/22

+ sign 197.225 ± 0.029 χ^2/NDF : 2769093.1/41

All: 186.606 ± 0.020 χ^2/NDF : 6197205.5/83

- 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: 5.381 ± 4.035 χ^2/NDF : 8.3/24

Right Out: -3.970 ± 6.740 χ^2/NDF : 20.7/18

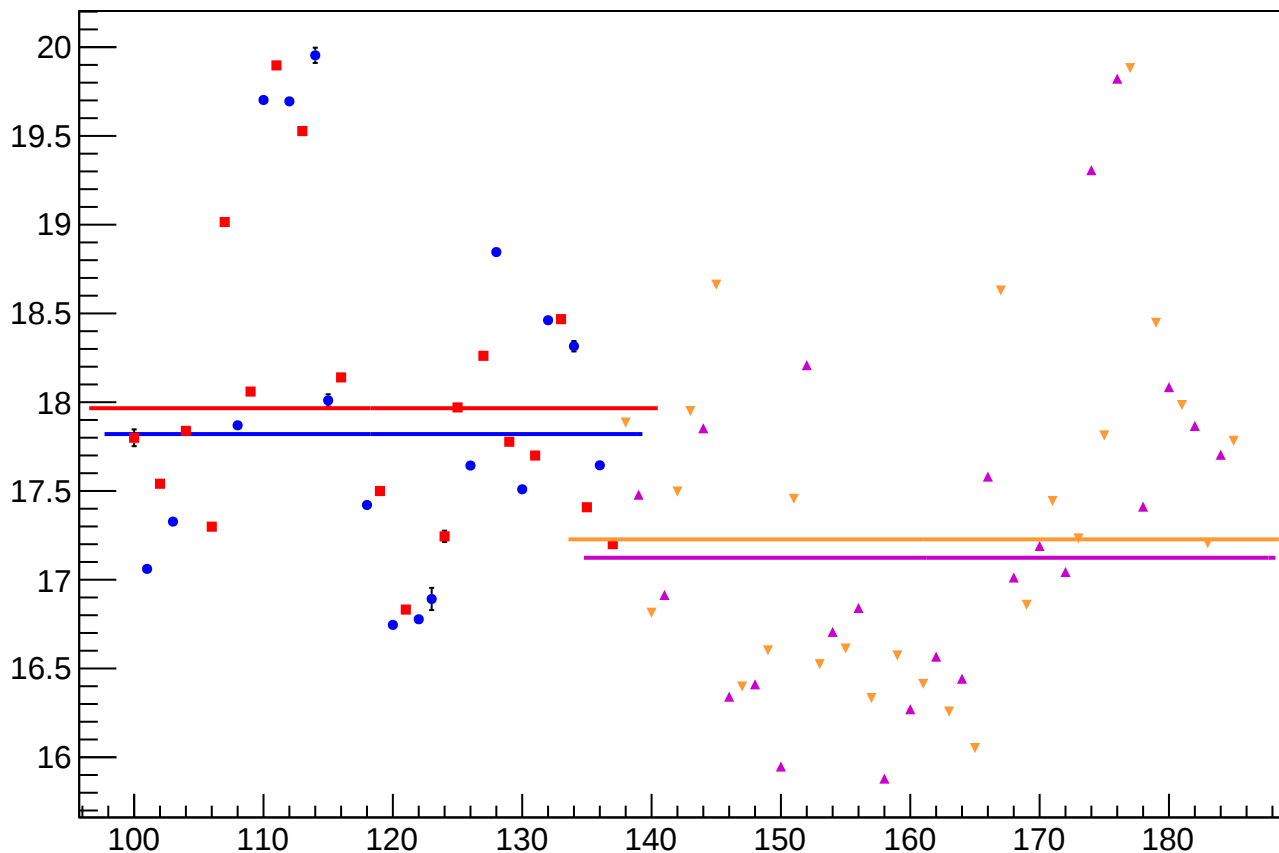
Left In: -5.595 ± 4.121 χ^2/NDF : 36.4/22

+ sign 2.903 ± 3.481 χ^2/NDF : 17.8/41

All: -1.085 ± 2.474 χ^2/NDF : 77.5/83

- 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 $\pm$ 0.005 χ^2 /NDF: 32283.6/16

Left Out: 17.227 $\pm$ 0.003 χ^2 /NDF: 98166.1/24

Right Out: 17.966 $\pm$ 0.005 χ^2 /NDF: 25320.4/18

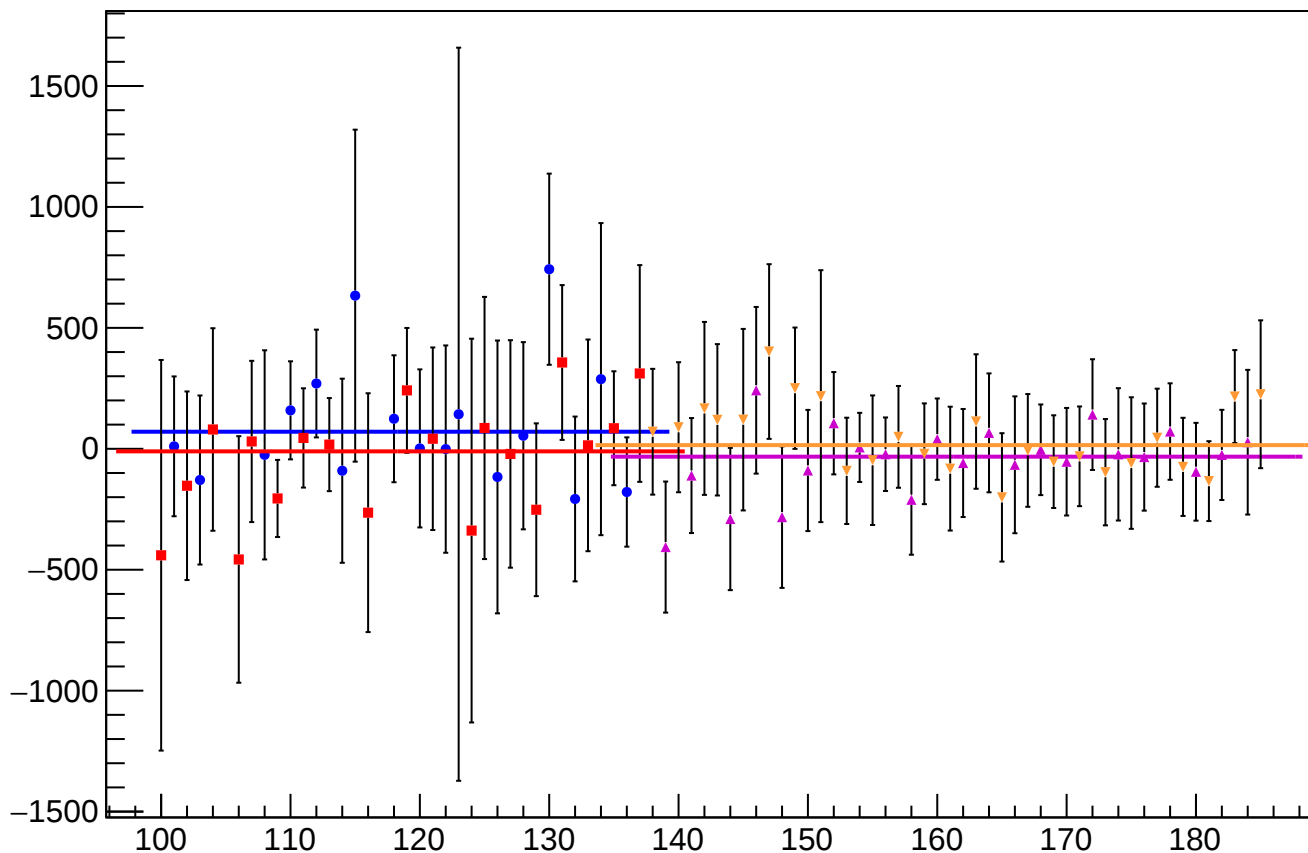
Left In: 17.124 $\pm$ 0.003 χ^2 /NDF: 100747.0/22

+ sign 17.379 $\pm$ 0.002 χ^2 /NDF: 141492.1/41

All: 17.366 $\pm$ 0.002 χ^2 /NDF: 290355.5/83

- sign 17.353 $\pm$ 0.002 χ^2 /NDF: 148808.1/41

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 70.603+/-80.168 χ^2/NDF : 7.4/16

Left Out: 15.213+/-48.214 χ^2/NDF : 7.1/24

Right Out: -10.558+/-71.025 χ^2/NDF : 6.7/18

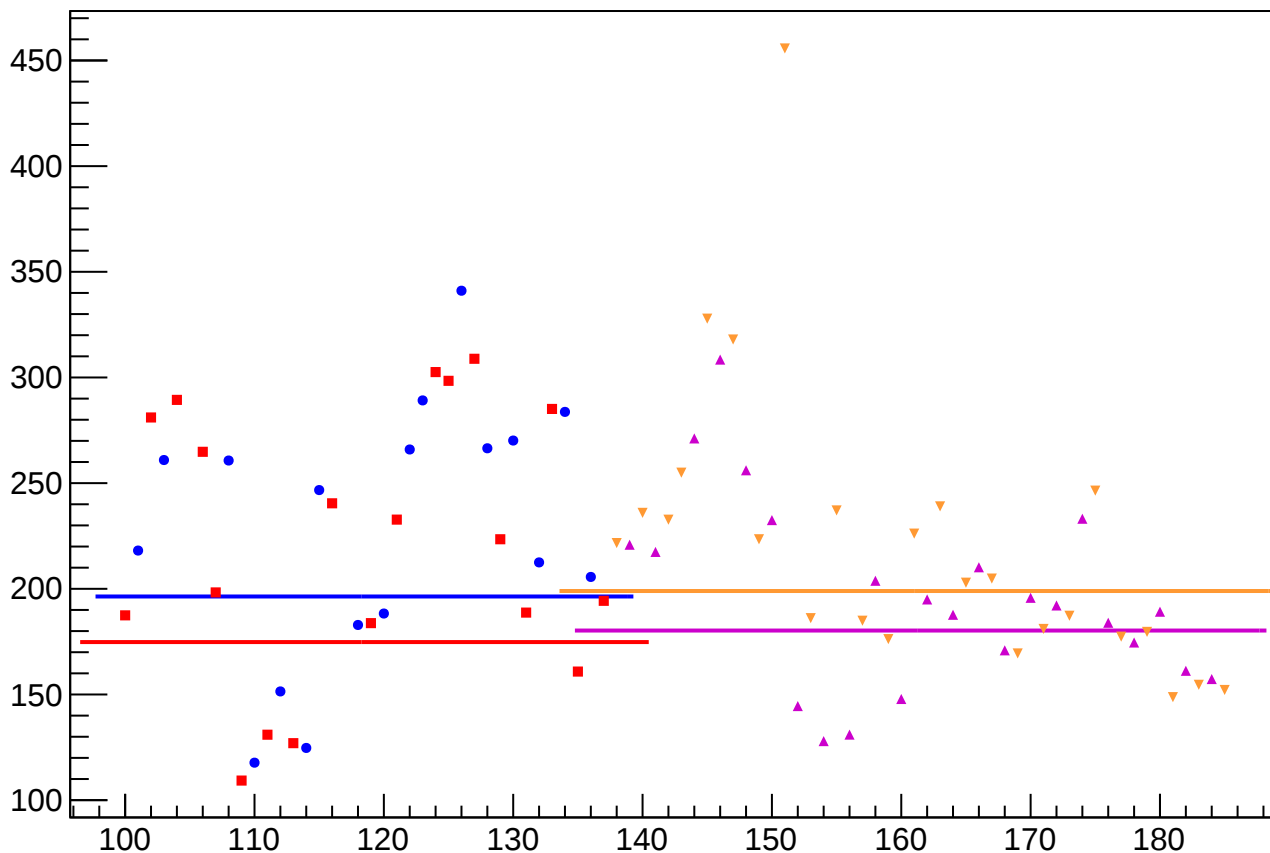
Left In: -32.571+/-45.248 χ^2/NDF : 6.7/22

+ sign 29.926+/-41.318 χ^2/NDF : 14.8/41

All: -0.371+/-28.034 χ^2/NDF : 29.3/83

- sign -26.216+/-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: 198.958 ± 0.034 χ^2/NDF : 1747825.2/24

Right Out: 174.800 ± 0.050 χ^2/NDF : 1506075.3/18

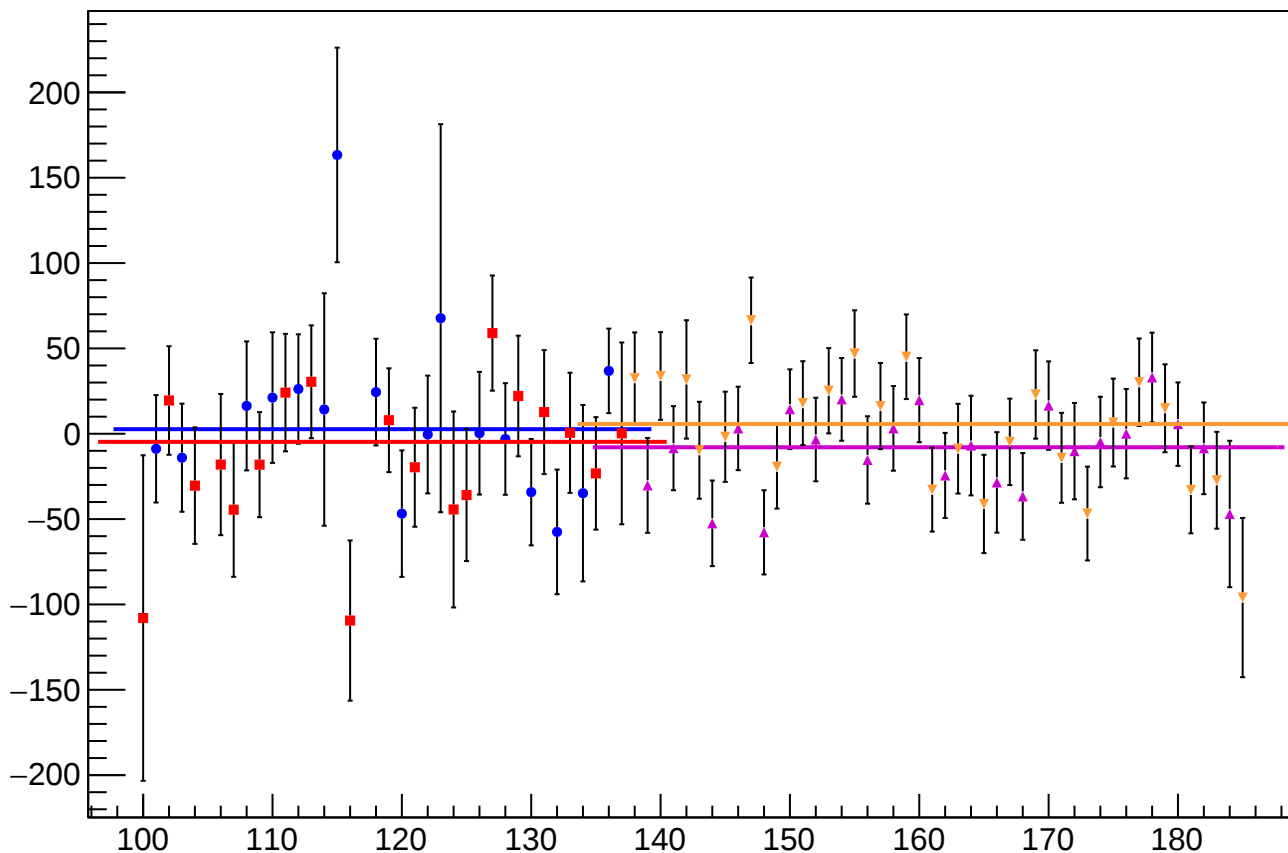
Left In: 180.256 ± 0.032 χ^2/NDF : 1580553.5/22

+ sign 198.270 ± 0.029 χ^2/NDF : 2715319.7/41

All: 187.699 ± 0.020 χ^2/NDF : 6052945.6/83

- 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: 5.696 ± 5.299 $\chi^2/\text{NDF}: 36.0/24$

Right Out: -4.736 ± 8.496 $\chi^2/\text{NDF}: 16.6/18$

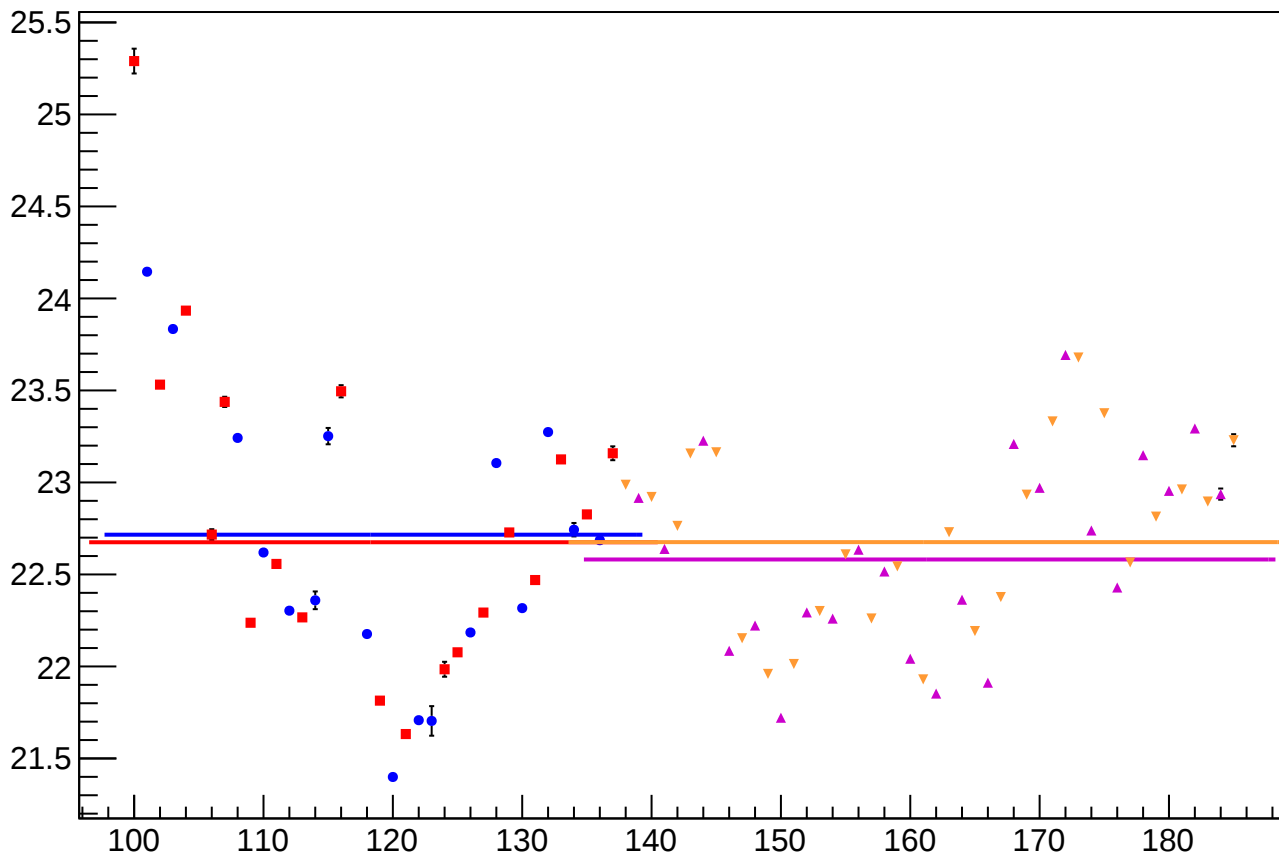
Left In: -7.915 ± 5.422 $\chi^2/\text{NDF}: 18.7/22$

+ sign 4.889 ± 4.536 $\chi^2/\text{NDF}: 53.1/41$

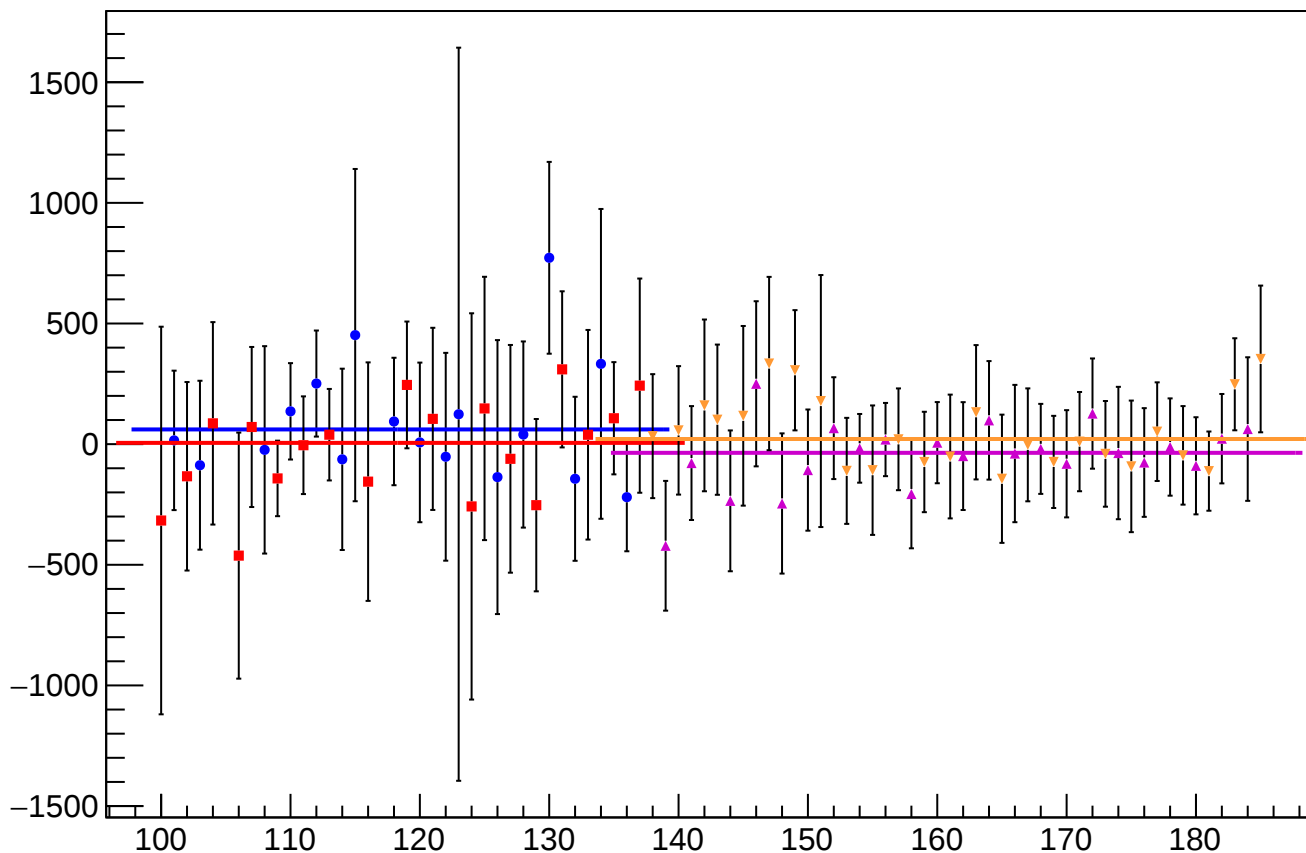
All: -1.008 ± 3.219 $\chi^2/\text{NDF}: 92.0/83$

- sign -6.995 ± 4.570 $\chi^2/\text{NDF}: 35.4/41$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 60.977+/-79.827 χ^2/NDF : 7.1/16

Left Out: 21.317+/-48.134 χ^2/NDF : 7.8/24

Right Out: 5.234+/-70.529 χ^2/NDF : 5.2/18

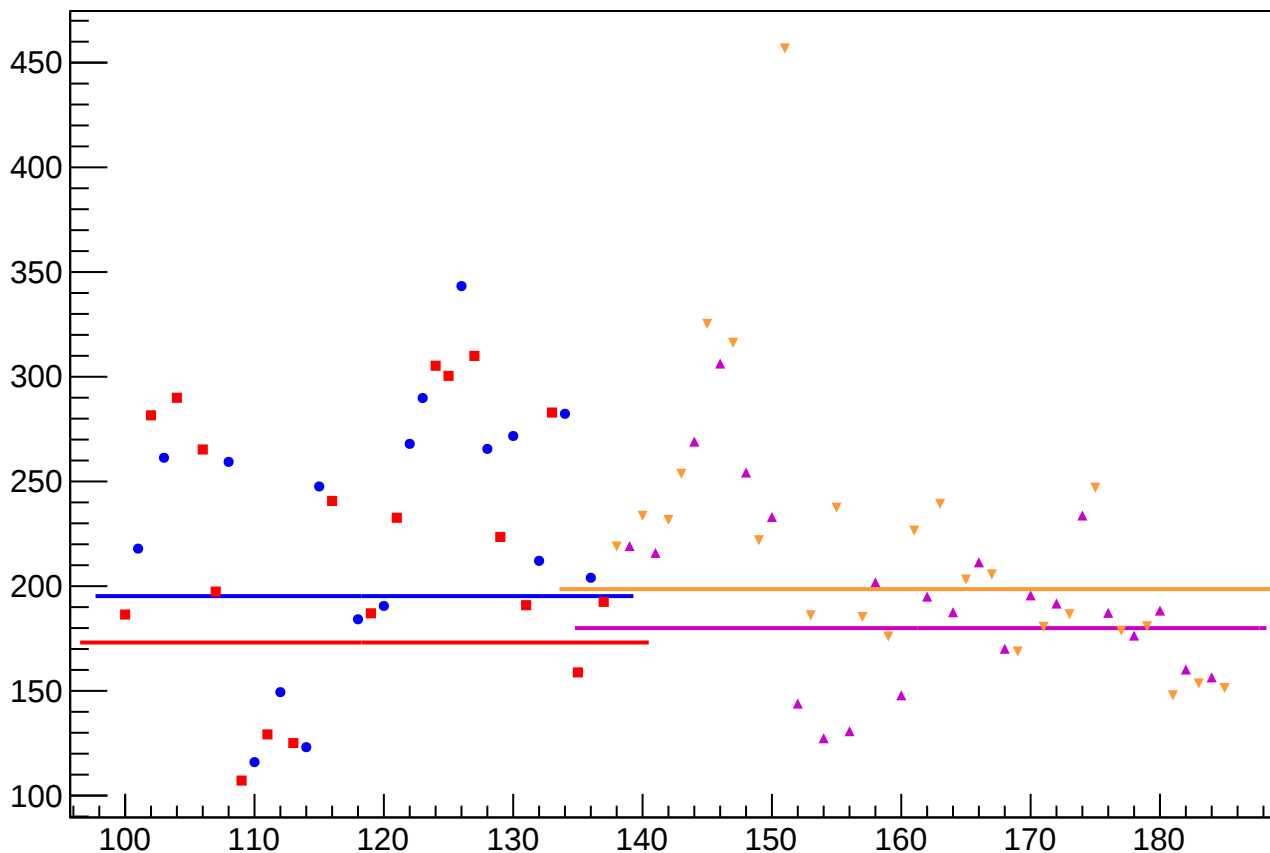
Left In: -35.996+/-45.180 χ^2/NDF : 6.1/22

+ sign 31.892+/-41.220 χ^2/NDF : 15.1/41

All: 1.710+/-27.957 χ^2/NDF : 27.6/83

- sign -24.000+/-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: 198.608 $\pm$ 0.034 χ^2 /NDF: 1746250.3/24

Right Out: 173.101 $\pm$ 0.050 χ^2 /NDF: 1572691.1/18

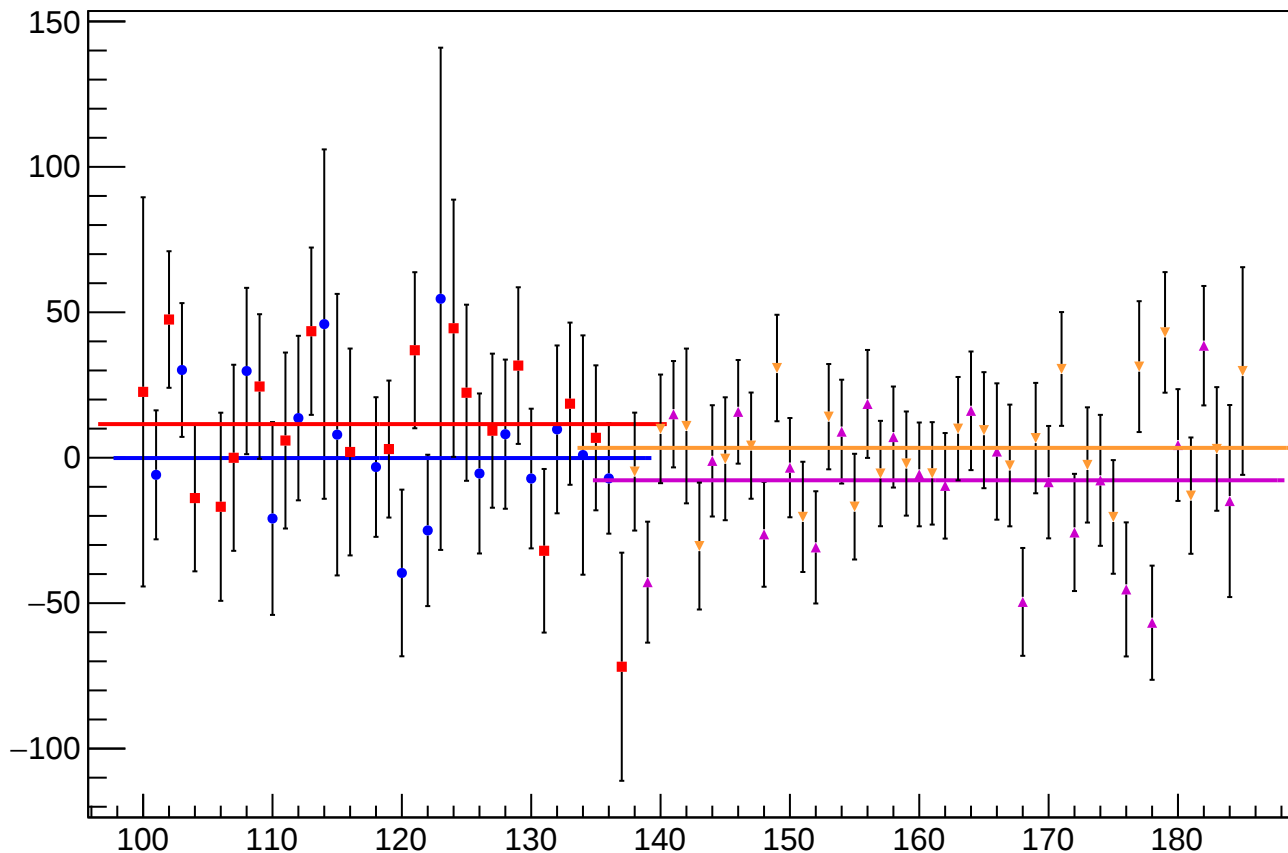
Left In: 179.972 $\pm$ 0.032 χ^2 /NDF: 1575888.3/22

+ sign 197.712 $\pm$ 0.029 χ^2 /NDF: 2754181.7/41

All: 187.053 $\pm$ 0.020 χ^2 /NDF: 6163889.8/83

- 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: 3.385 ± 3.965 χ^2/NDF : 19.0/24

Right Out: 11.560 ± 6.642 χ^2/NDF : 15.2/18

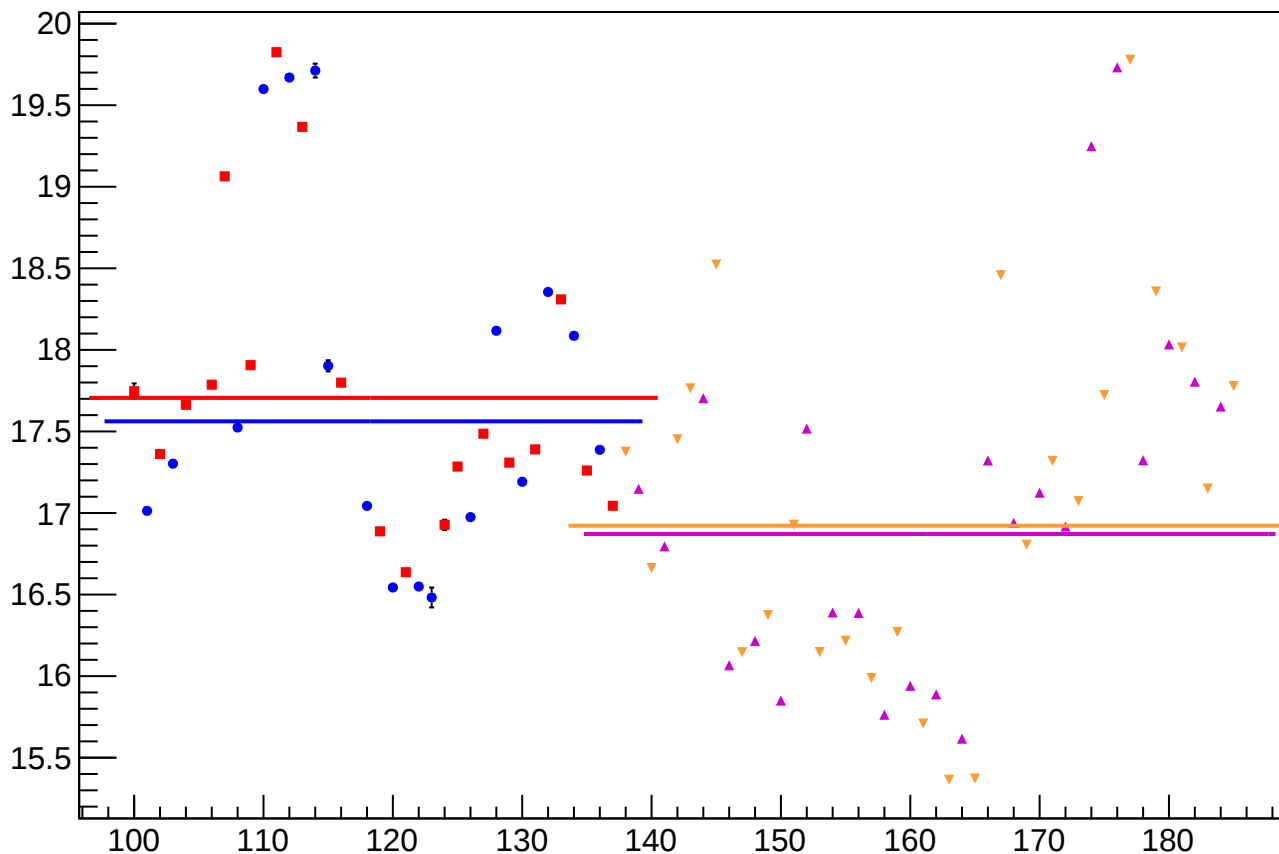
Left In: -7.756 ± 4.061 χ^2/NDF : 34.3/22

+ sign 2.495 ± 3.423 χ^2/NDF : 27.1/41

All: 0.027 ± 2.435 χ^2/NDF : 83.8/83

- 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: 16.922 $\pm$ 0.003 χ^2 /NDF:137919.9/24

Right Out: 17.706 $\pm$ 0.005 χ^2 /NDF: 30251.5/18

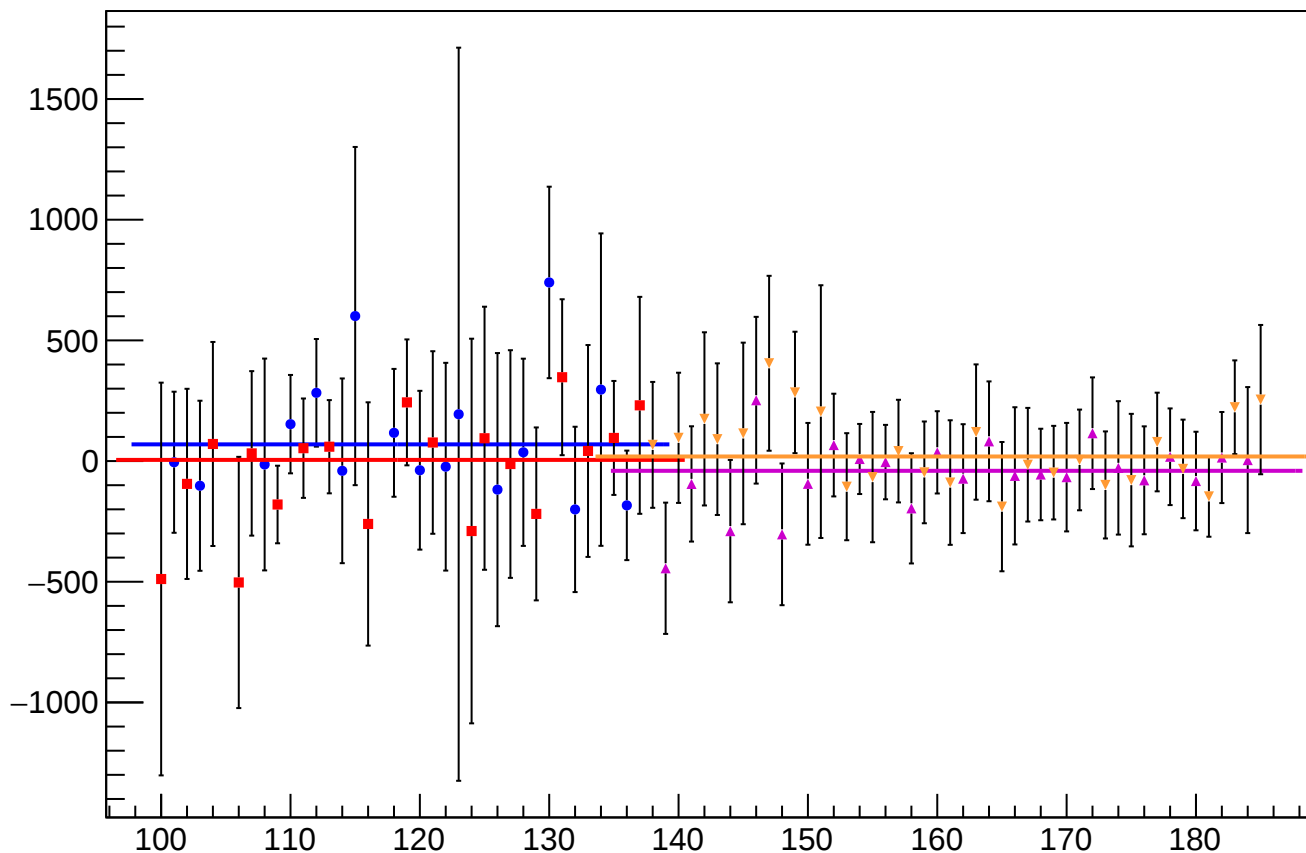
Left In: 16.871 $\pm$ 0.003 χ^2 /NDF:117993.8/22

+ sign 17.085 $\pm$ 0.002 χ^2 /NDF: 185112.9/41

All: 17.092 $\pm$ 0.002 χ^2 /NDF: 356346.6/83

- 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 ± 80.633 χ^2/NDF : 7.2/16

Left Out: 18.978 ± 48.633 χ^2/NDF : 7.6/24

Right Out: 4.849 ± 71.521 χ^2/NDF : 6.1/18

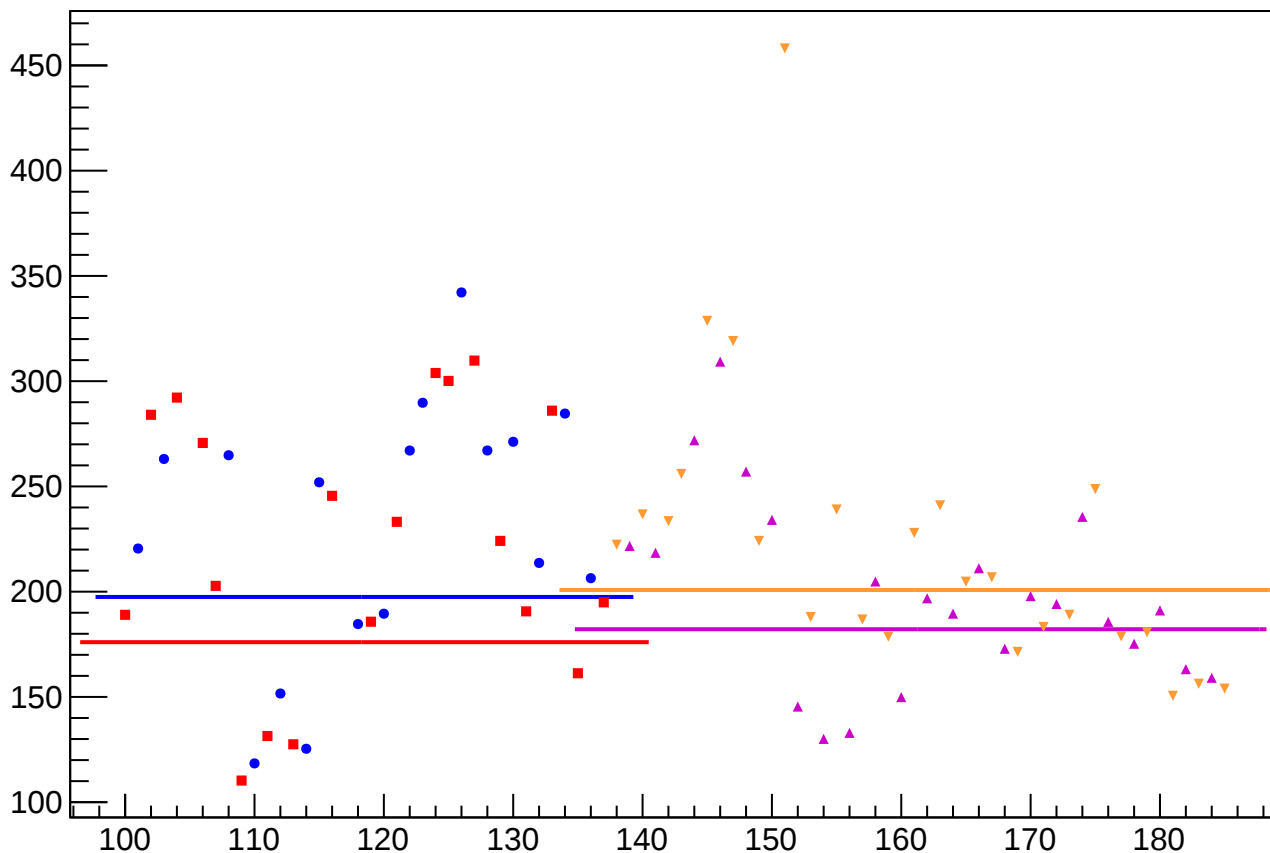
Left In: -40.355 ± 45.689 χ^2/NDF : 6.6/22

+ sign 32.379 ± 41.645 χ^2/NDF : 15.1/41

All: 0.228 ± 28.271 χ^2/NDF : 29.2/83

- sign -27.254 ± 38.503 χ^2/NDF : 13.0/41

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.498 ± 0.057 χ^2/NDF : 970879.0/16

Left Out: 200.807 ± 0.034 χ^2/NDF : 1715237.8/24

Right Out: 176.016 ± 0.051 χ^2/NDF : 1514778.3/18

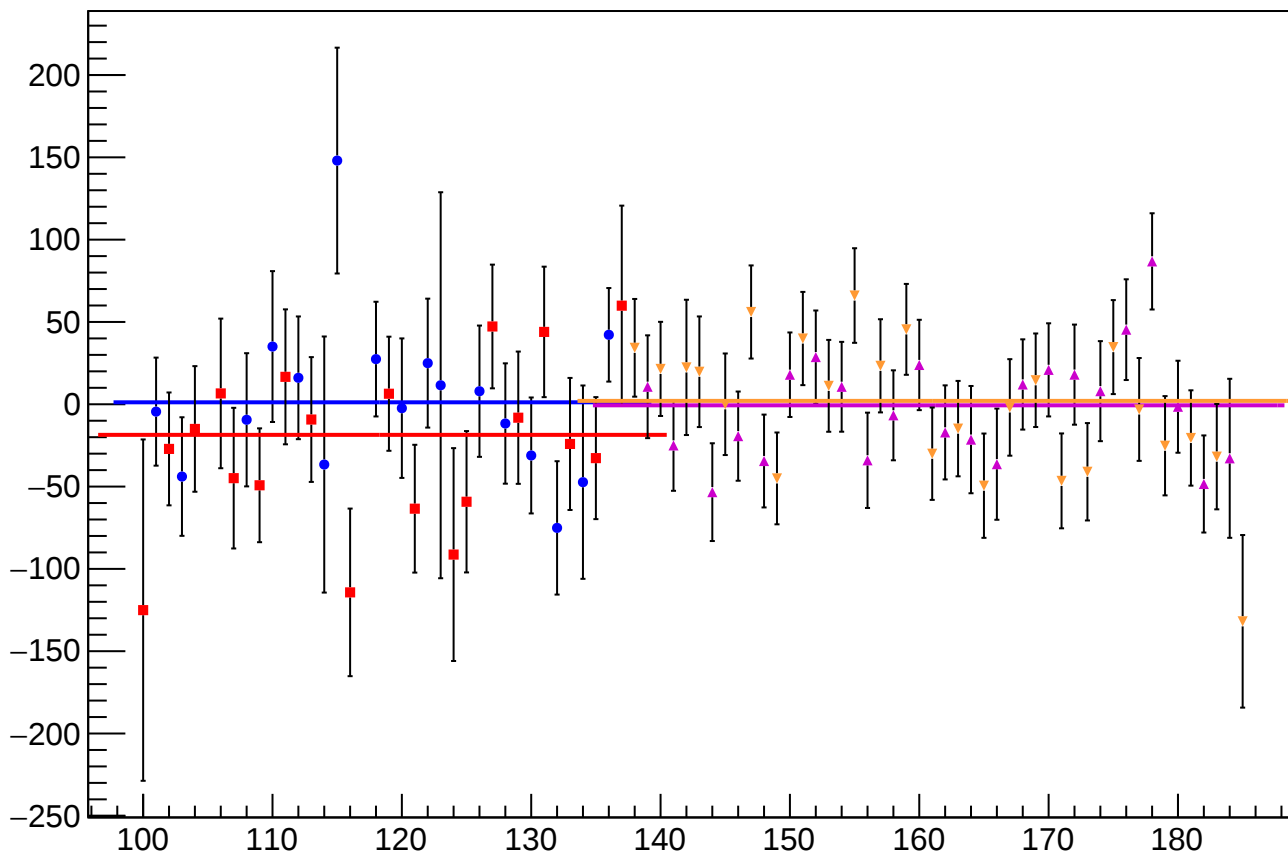
Left In: 182.158 ± 0.032 χ^2/NDF : 1535922.8/22

+ sign 199.924 ± 0.029 χ^2/NDF : 2688587.4/41

All: 189.386 ± 0.020 χ^2/NDF : 5987305.2/83

- sign 180.378 ± 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 $\chi^2/\text{NDF}: 15.4/16$

Left Out: 2.059 ± 5.996 $\chi^2/\text{NDF}: 38.4/24$

Right Out: -18.582 ± 9.518 $\chi^2/\text{NDF}: 18.4/18$

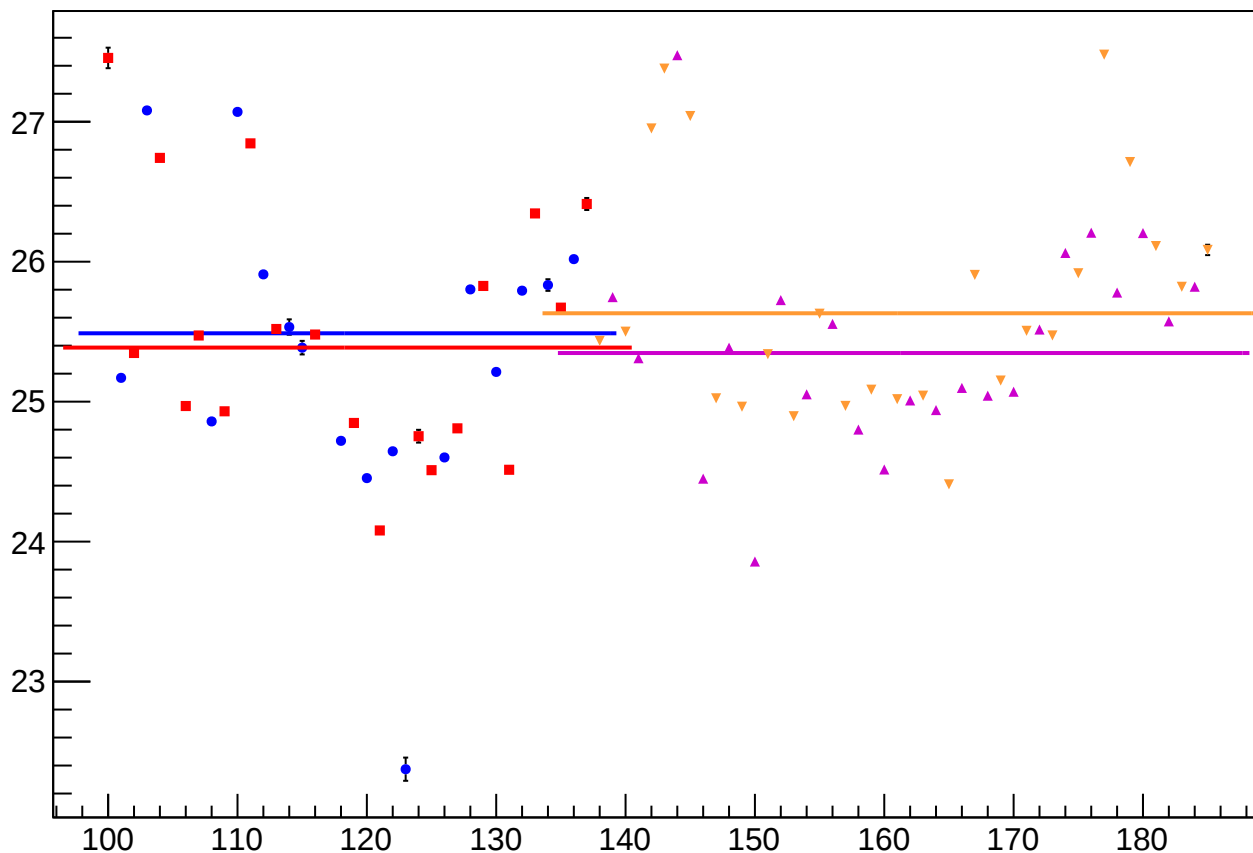
Left In: -0.641 ± 6.091 $\chi^2/\text{NDF}: 27.3/22$

+ sign 1.824 ± 5.121 $\chi^2/\text{NDF}: 53.9/41$

All: -2.008 ± 3.625 $\chi^2/\text{NDF}: 103.3/83$

- sign -5.854 ± 5.131 $\chi^2/\text{NDF}: 48.2/41$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.488 $\pm$ 0.007 χ^2 /NDF: 13867.7/16

Left Out: 25.631 $\pm$ 0.004 χ^2 /NDF: 33471.9/24

Right Out: 25.386 $\pm$ 0.007 χ^2 /NDF: 13699.1/18

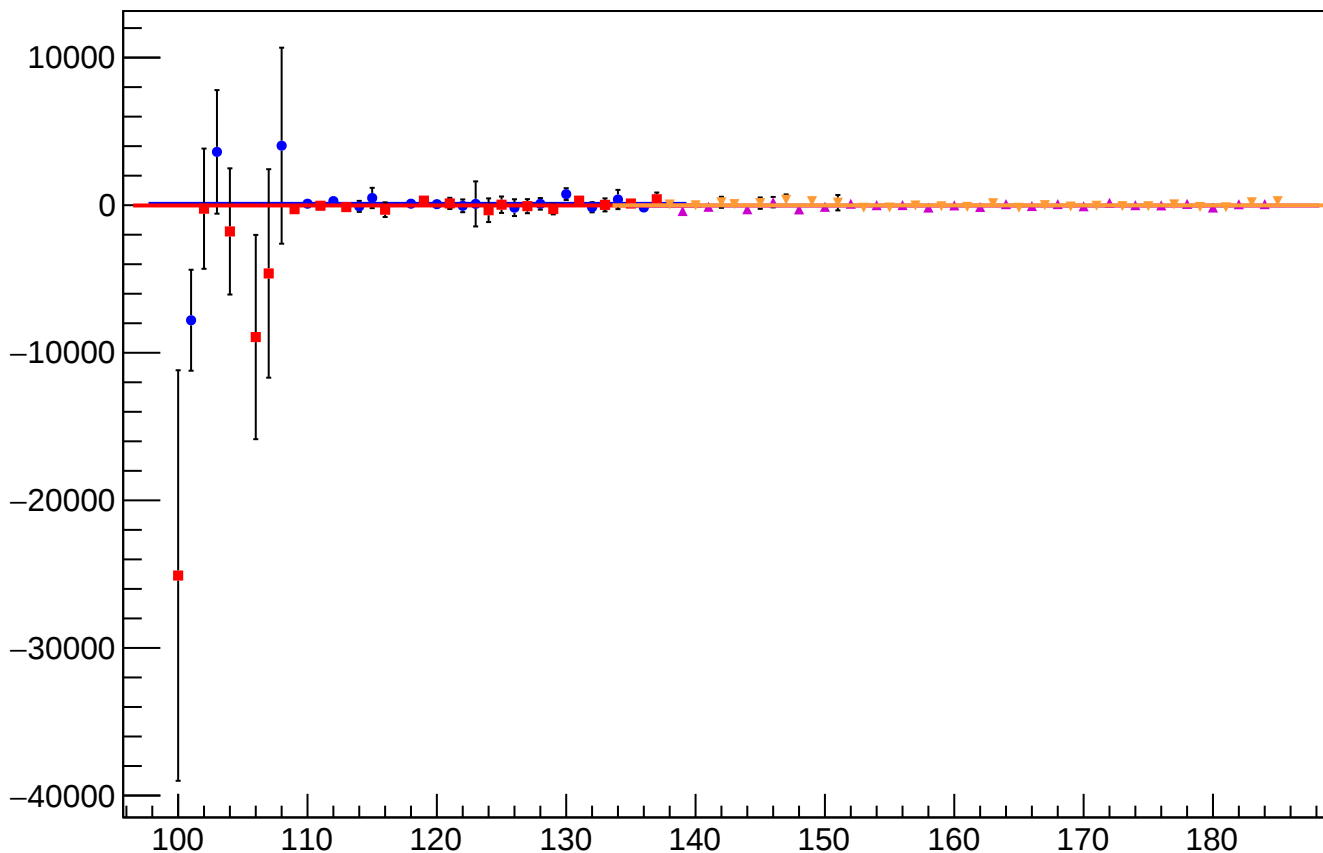
Left In: 25.347 $\pm$ 0.004 χ^2 /NDF: 29389.5/22

+ sign 25.593 $\pm$ 0.004 χ^2 /NDF: 47647.5/41

All: 25.476 $\pm$ 0.003 χ^2 /NDF: 92844.6/83

- sign 25.359 $\pm$ 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: -10.572+/-48.341 χ^2/NDF : 8.1/24

Right Out: -18.864+/-80.923 χ^2/NDF : 12.0/18

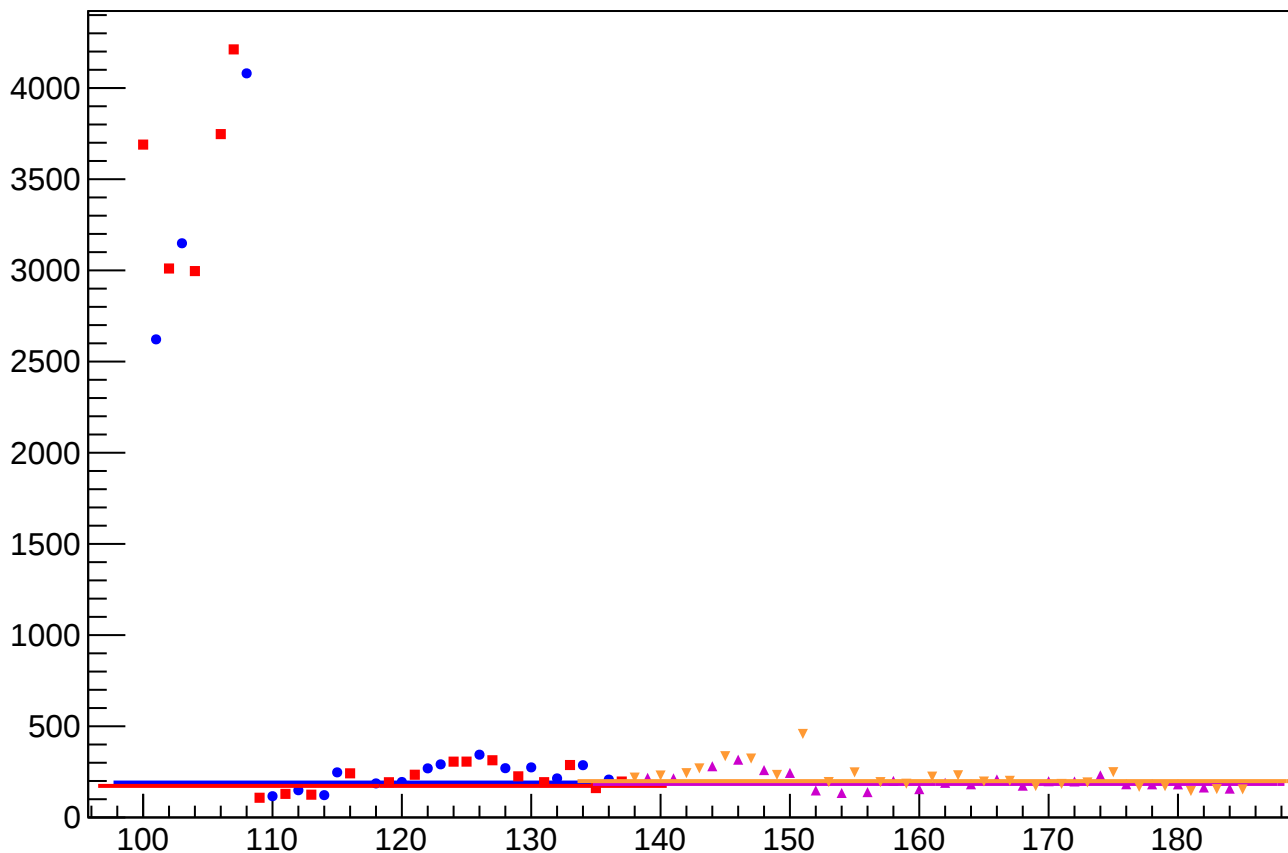
Left In: -27.098+/-45.999 χ^2/NDF : 7.2/22

+ sign 12.595+/-42.360 χ^2/NDF : 21.5/41

All: -7.330+/-29.079 χ^2/NDF : 41.1/83

- 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 $\pm$ 0.062 χ^2 /NDF: 3573556.6/16

Left Out: 199.240 $\pm$ 0.034 χ^2 /NDF: 1862284.2/24

Right Out: 173.068 $\pm$ 0.057 χ^2 /NDF: 4201509.7/18

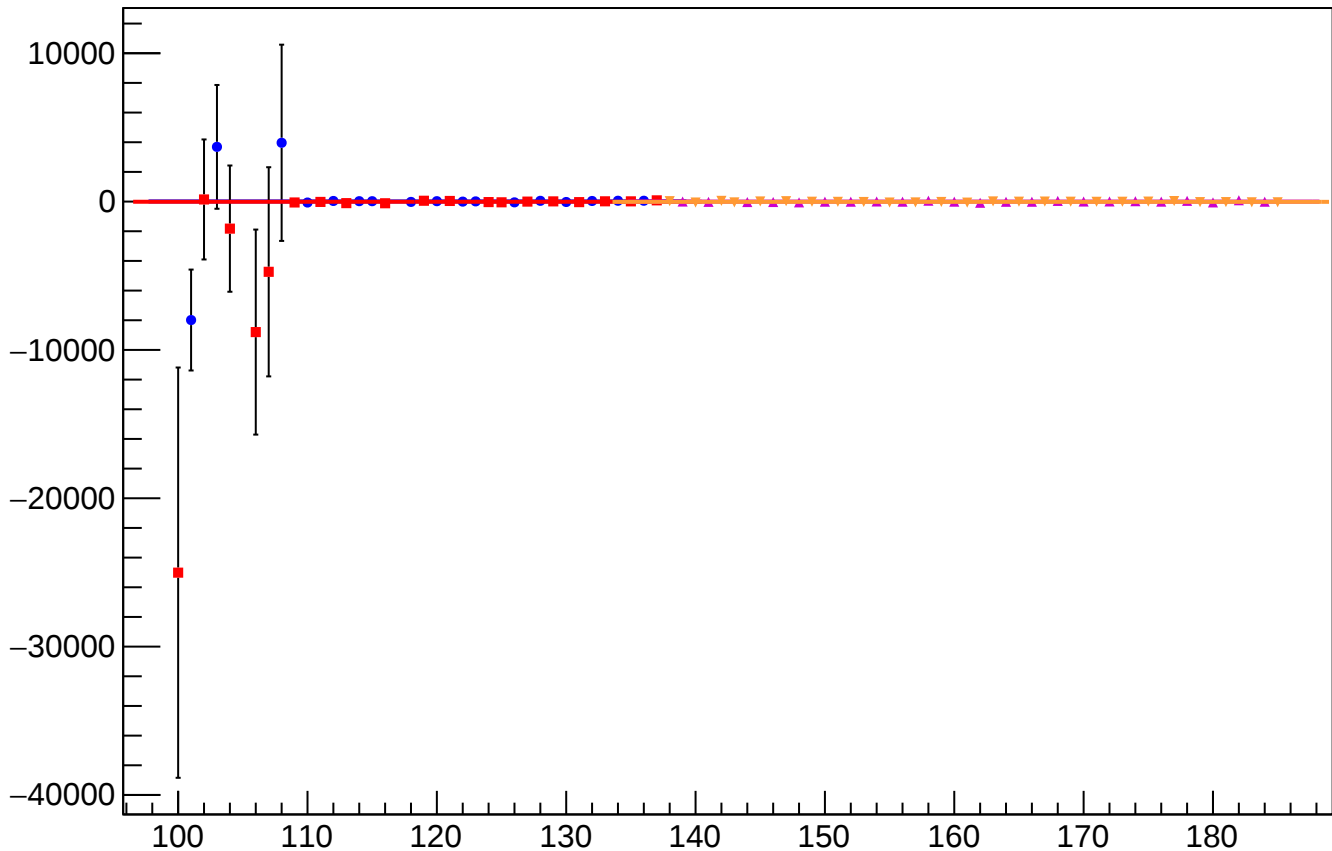
Left In: 183.805 $\pm$ 0.033 χ^2 /NDF: 1412869.6/22

+ sign 197.425 $\pm$ 0.030 χ^2 /NDF: 5447981.8/41

All: 188.837 $\pm$ 0.021 χ^2 /NDF: 11244442.7/83

- sign 181.183 $\pm$ 0.028 χ^2 /NDF: 5640988.2/41

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 11.464+/-12.227 χ^2/NDF : 18.3/16

Left Out: -17.651+/-6.717 χ^2/NDF : 21.0/24

Right Out: -11.883+/-12.264 χ^2/NDF : 23.9/18

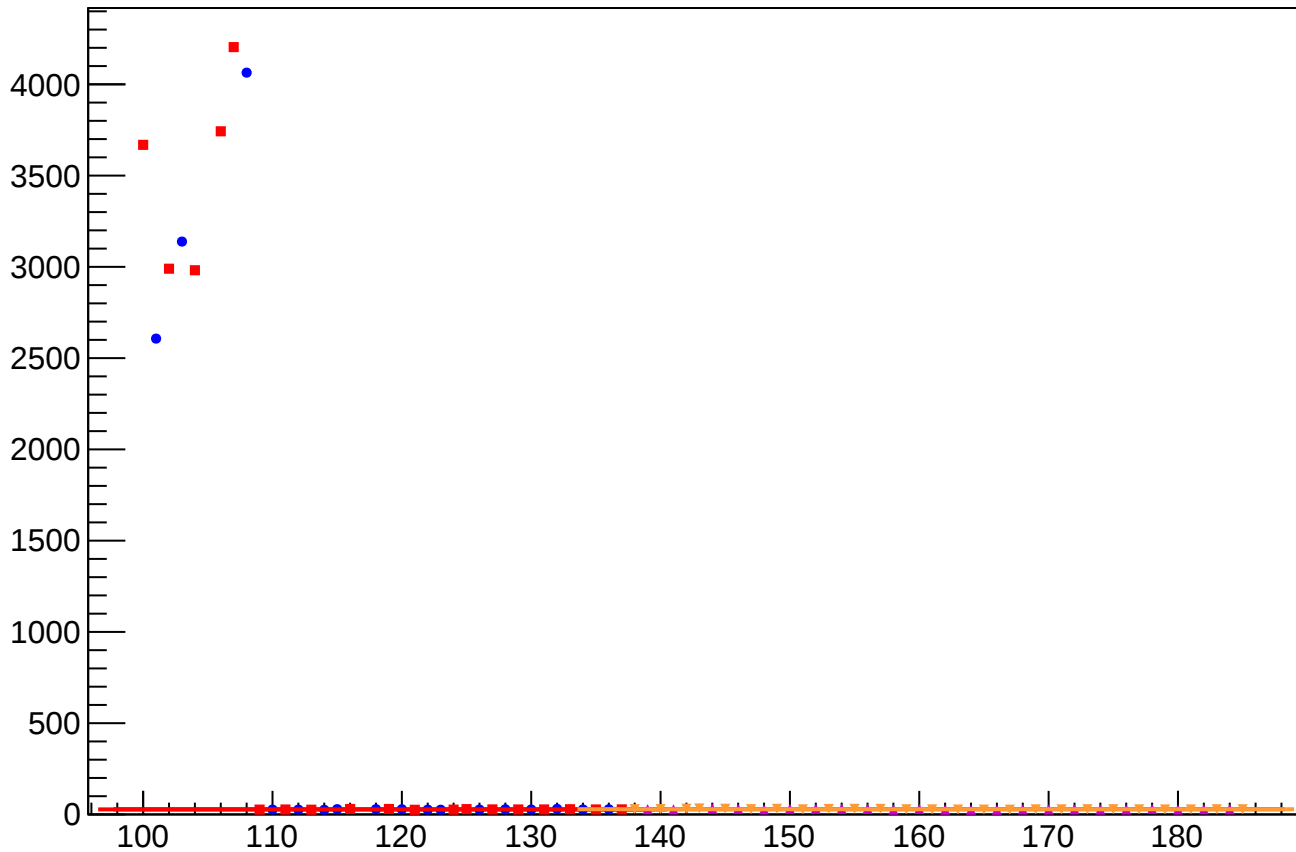
Left In: -1.267+/-6.908 χ^2/NDF : 32.0/22

+ sign -10.901+/-5.887 χ^2/NDF : 43.6/41

All: -7.441+/-4.209 χ^2/NDF : 100.8/83

- sign -3.824+/-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: 28.671 $\pm$ 0.005 χ^2 /NDF: 104996.2/24

Right Out: 27.714 $\pm$ 0.009 χ^2 /NDF: 3476894.0/18

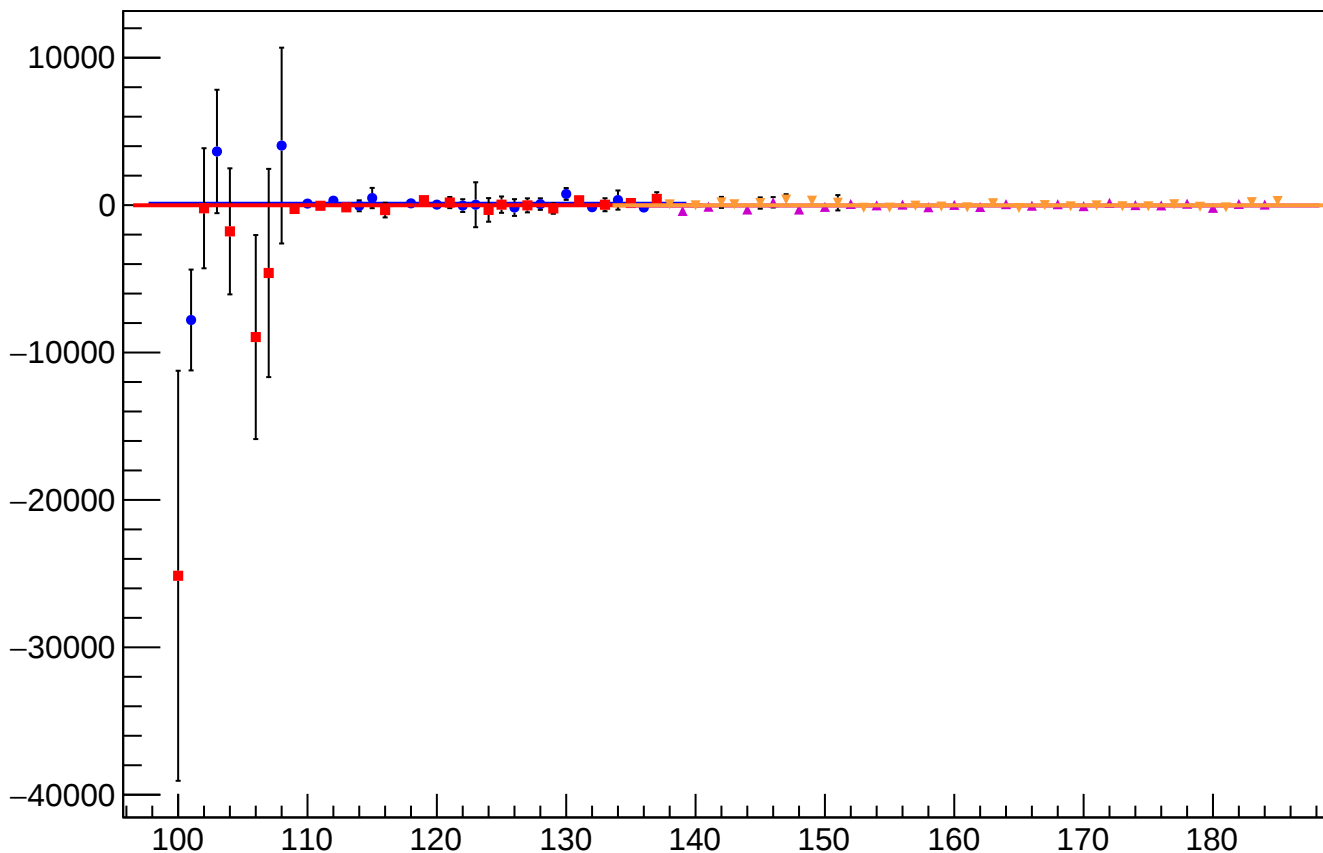
Left In: 28.677 $\pm$ 0.005 χ^2 /NDF: 123814.4/22

+ sign 28.483 $\pm$ 0.004 χ^2 /NDF: 3138745.5/41

All: 28.464 $\pm$ 0.003 χ^2 /NDF: 6748856.3/83

- 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: -12.835 $\pm$ 48.234 χ^2 /NDF: 8.9/24

Right Out: -9.116 $\pm$ 80.662 χ^2 /NDF: 12.8/18

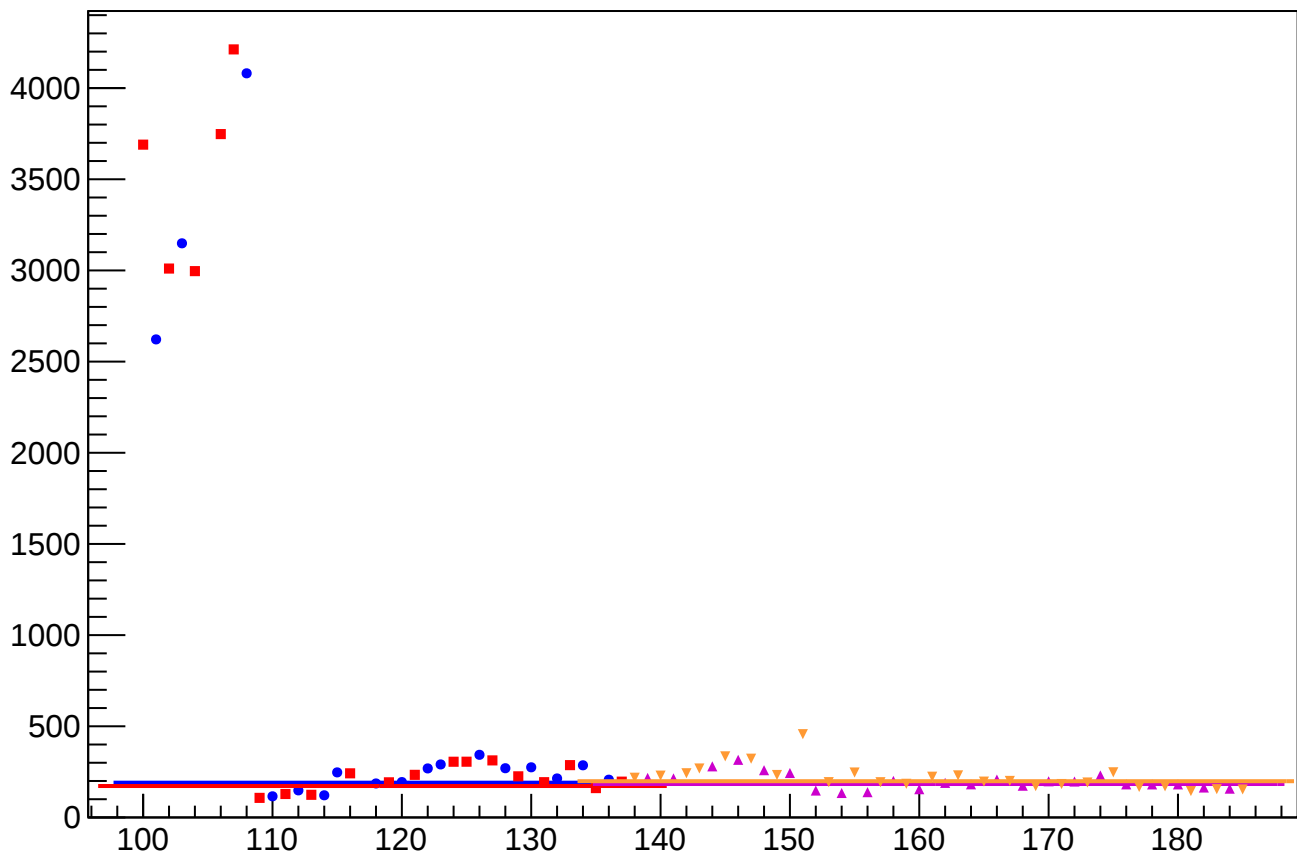
Left In: -27.286 $\pm$ 45.907 χ^2 /NDF: 7.5/22

+ sign 11.954 $\pm$ 42.257 χ^2 /NDF: 22.7/41

All: -6.442 $\pm$ 29.010 χ^2 /NDF: 43.3/83

- 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: 198.799 $\pm$ 0.034 χ^2 /NDF:1862064.9/24

Right Out: 172.402 $\pm$ 0.057 χ^2 /NDF: 4212674.3/18

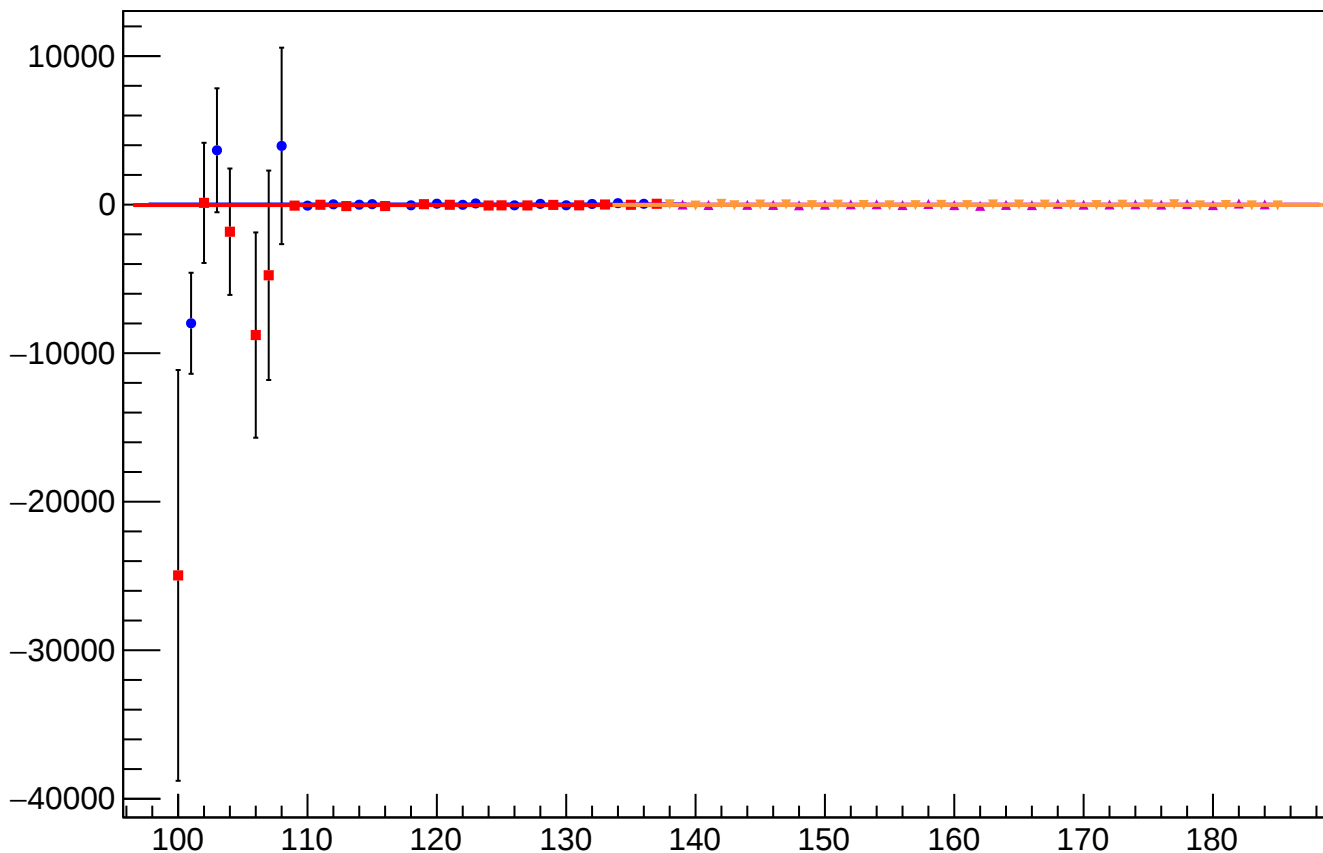
Left In: 183.442 $\pm$ 0.032 χ^2 /NDF:1412341.8/22

+ sign 196.919 $\pm$ 0.030 χ^2 /NDF: 5460538.8/41

All: 188.366 $\pm$ 0.021 χ^2 /NDF: 11268838.1/83

- 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: -15.595 $\pm$ 6.747 χ^2 /NDF:16.3/24

Right Out: -28.414 $\pm$ 12.365 χ^2 /NDF: 16.2/18

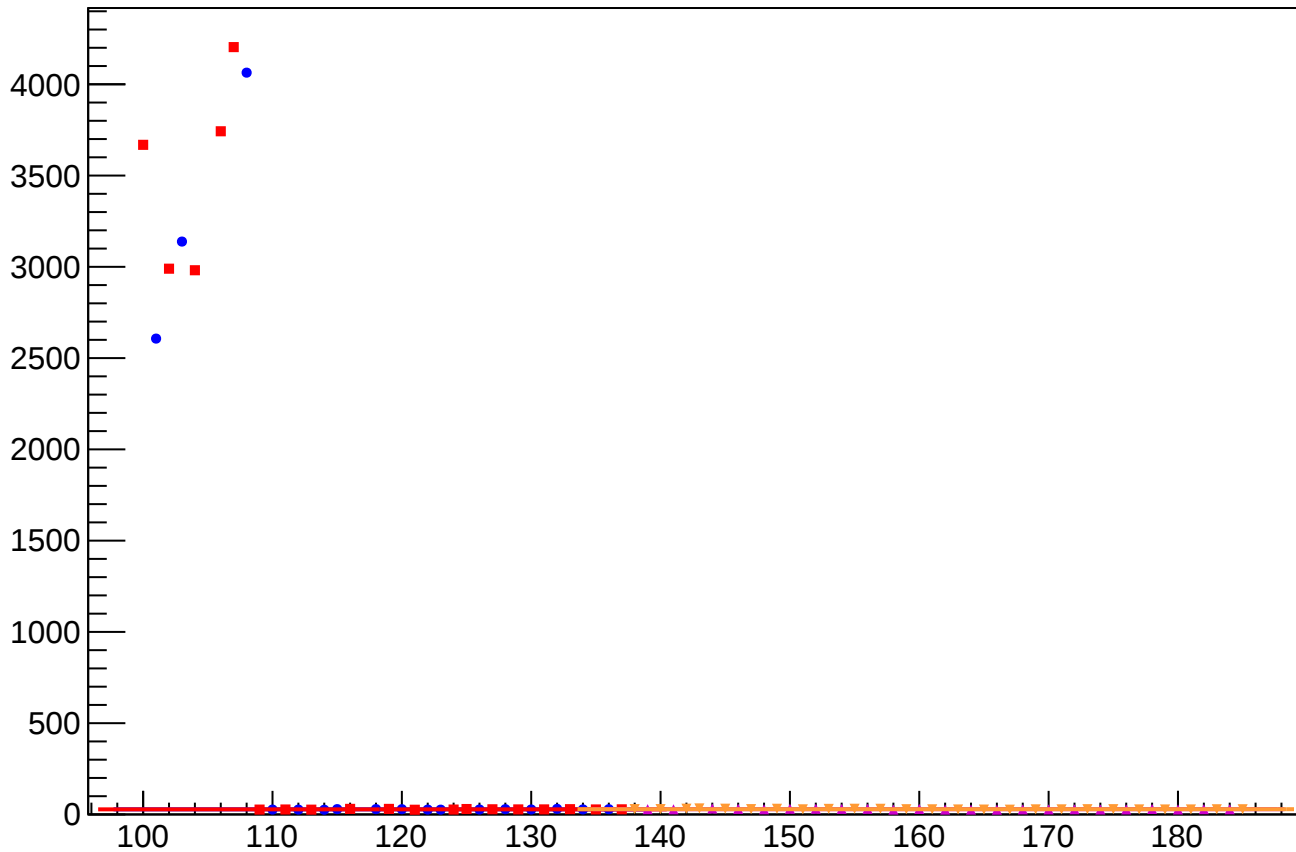
Left In: 0.498 $\pm$ 6.937 χ^2 /NDF:26.1/22

+ sign -9.801 $\pm$ 5.916 χ^2 /NDF: 42.0/41

All: -8.150 $\pm$ 4.230 χ^2 /NDF: 88.6/83

- 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: 28.791 $\pm$ 0.005 χ^2 /NDF: 116417.7/24

Right Out: 27.934 $\pm$ 0.009 χ^2 /NDF: 3479779.2/18

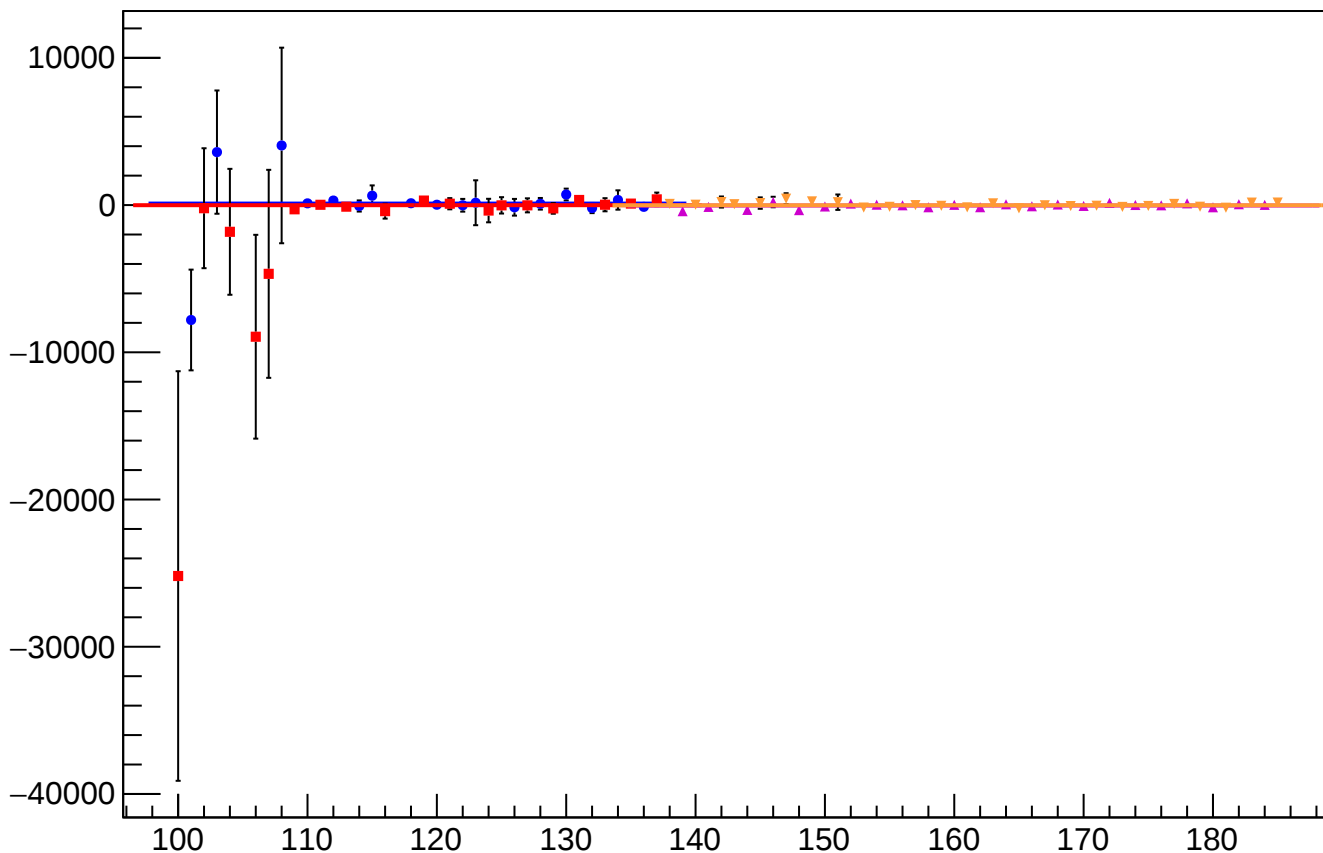
Left In: 28.797 $\pm$ 0.005 χ^2 /NDF: 128279.2/22

+ sign 28.618 $\pm$ 0.004 χ^2 /NDF: 3149446.4/41

All: 28.605 $\pm$ 0.003 χ^2 /NDF: 6764933.8/83

- 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: -12.976 $\pm$ 48.815 χ^2 /NDF: 8.2/24

Right Out: -7.957 $\pm$ 81.751 χ^2 /NDF: 12.3/18

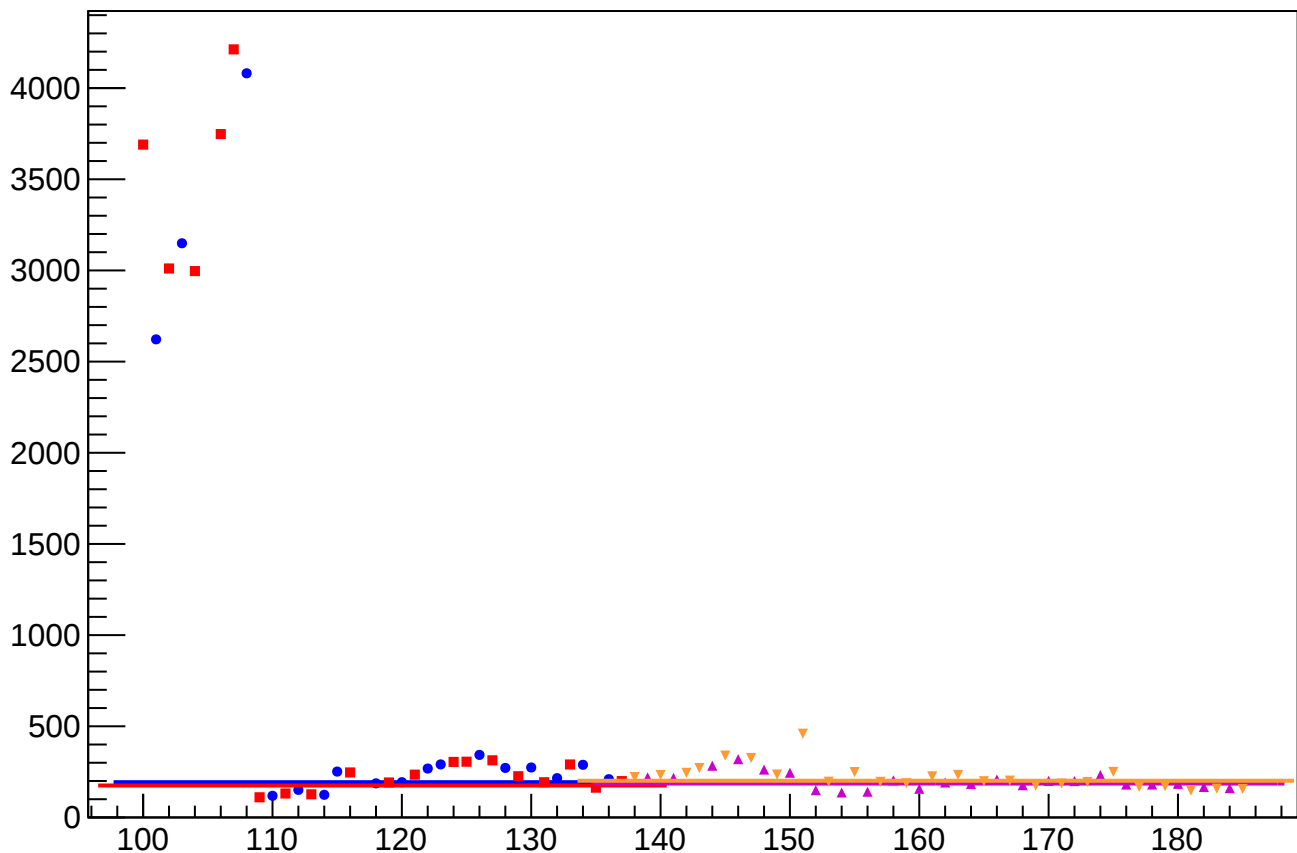
Left In: -31.477 $\pm$ 46.483 χ^2 /NDF: 7.8/22

+ sign 13.664 $\pm$ 42.764 χ^2 /NDF: 22.0/41

All: -7.149 $\pm$ 29.370 χ^2 /NDF: 42.7/83

- 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 $\pm$ 0.063 χ^2 /NDF: 3538238.9/16

Left Out: 201.303 $\pm$ 0.035 χ^2 /NDF: 1839479.6/24

Right Out: 175.281 $\pm$ 0.058 χ^2 /NDF: 4160209.8/18

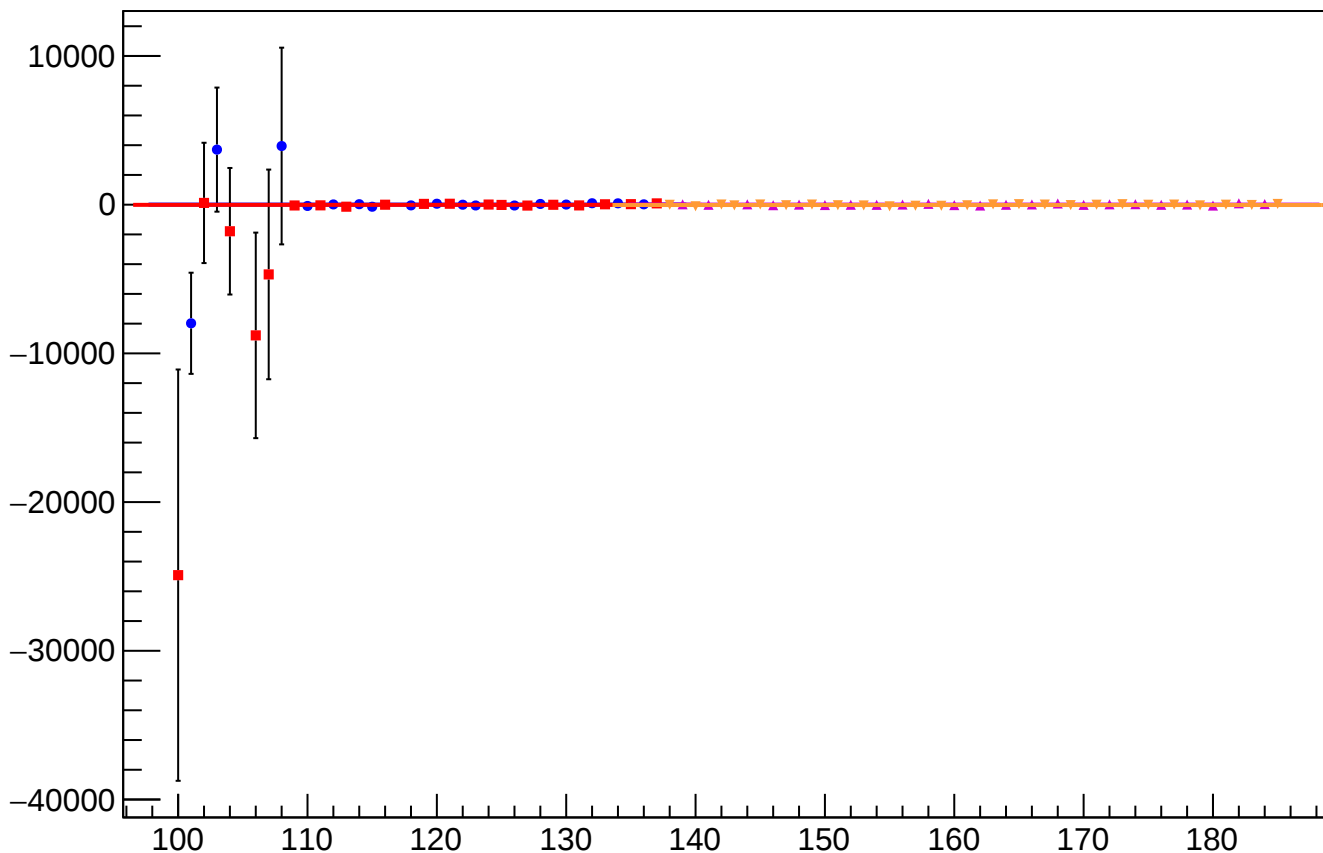
Left In: 185.878 $\pm$ 0.033 χ^2 /NDF: 1380877.6/22

+ sign 199.470 $\pm$ 0.030 χ^2 /NDF: 5389847.0/41

All: 190.922 $\pm$ 0.021 χ^2 /NDF: 11107592.4/83

- sign 183.289 $\pm$ 0.029 χ^2 /NDF: 5566483.7/41

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 6.177+/-14.983 χ^2 /NDF: 20.1/16

Left Out: -23.443+/-8.094 χ^2 /NDF:23.9/24

Right Out: -11.632+/-14.990 χ^2 /NDF: 21.2/18

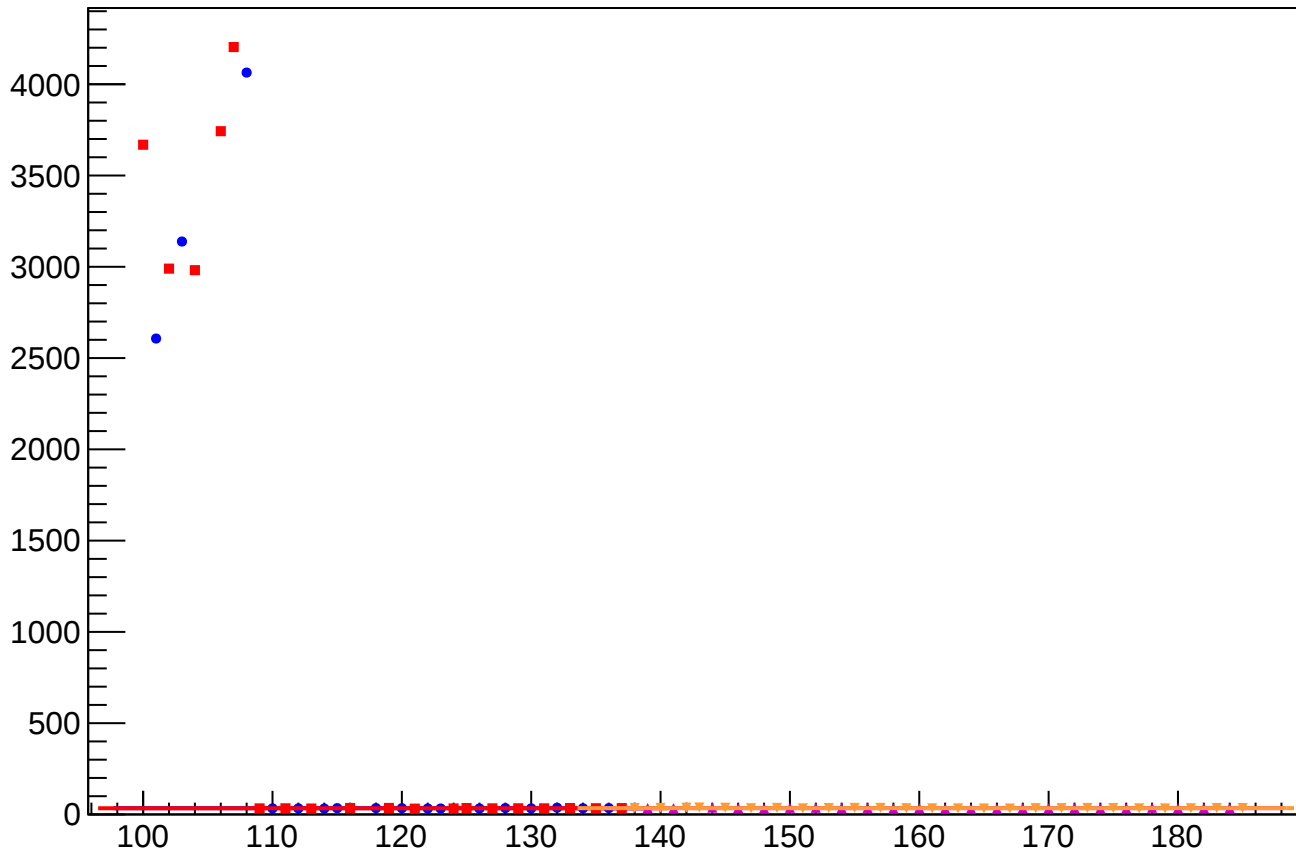
Left In: 5.924+/-8.340 χ^2 /NDF:21.0/22

+ sign -16.751+/-7.121 χ^2 /NDF: 47.0/41

All: -7.703+/-5.093 χ^2 /NDF: 93.5/83

- sign 1.774+/-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: 34.594 $\pm$ 0.006 χ^2 /NDF: 54306.5/24

Right Out: 33.933 $\pm$ 0.011 χ^2 /NDF: 3451992.5/18

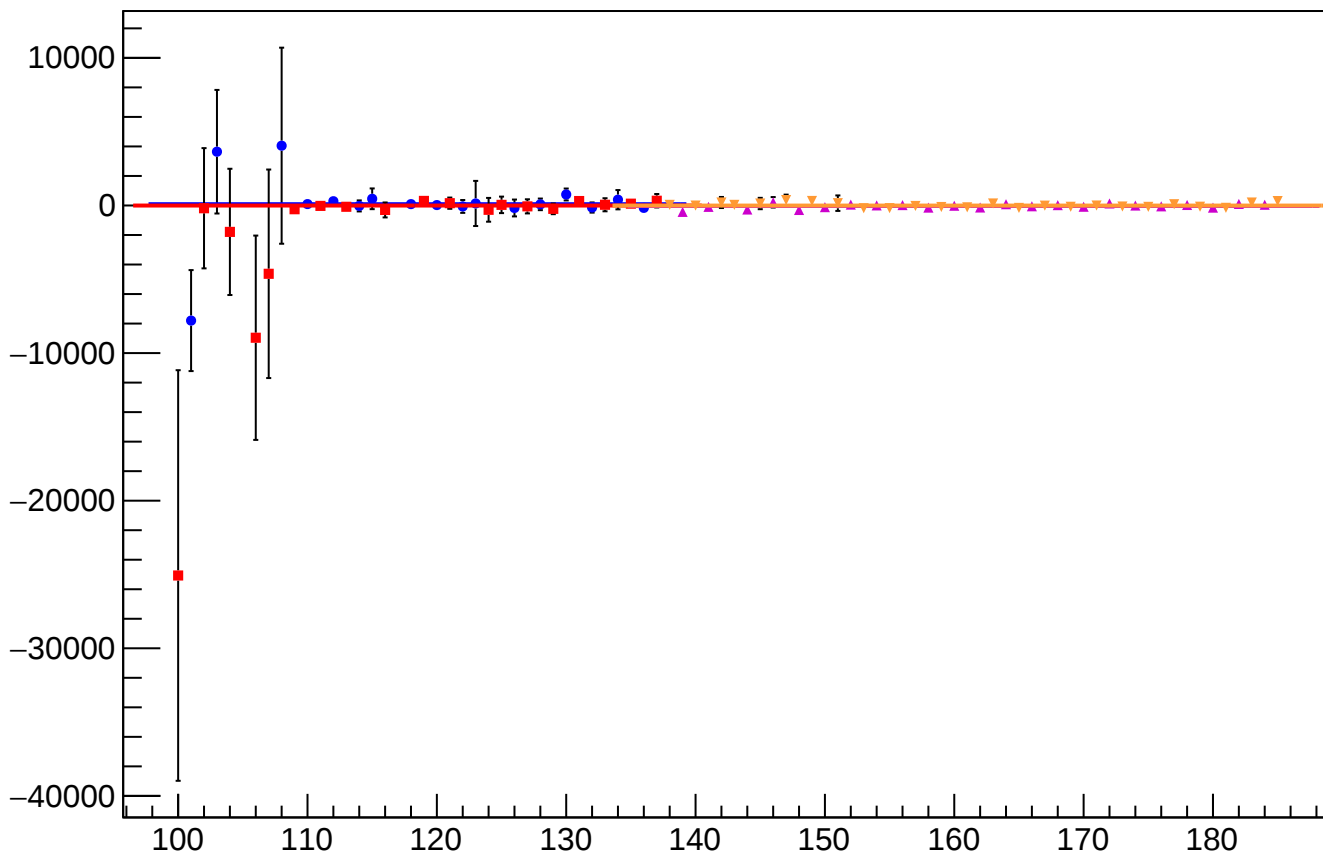
Left In: 34.682 $\pm$ 0.006 χ^2 /NDF: 59834.3/22

+ sign 34.498 $\pm$ 0.005 χ^2 /NDF: 3061680.9/41

All: 34.501 $\pm$ 0.004 χ^2 /NDF: 6577322.2/83

- 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: -6.414 $\pm$ 48.742 χ^2 /NDF: 8.8/24

Right Out: -3.827 $\pm$ 81.231 χ^2 /NDF: 11.1/18

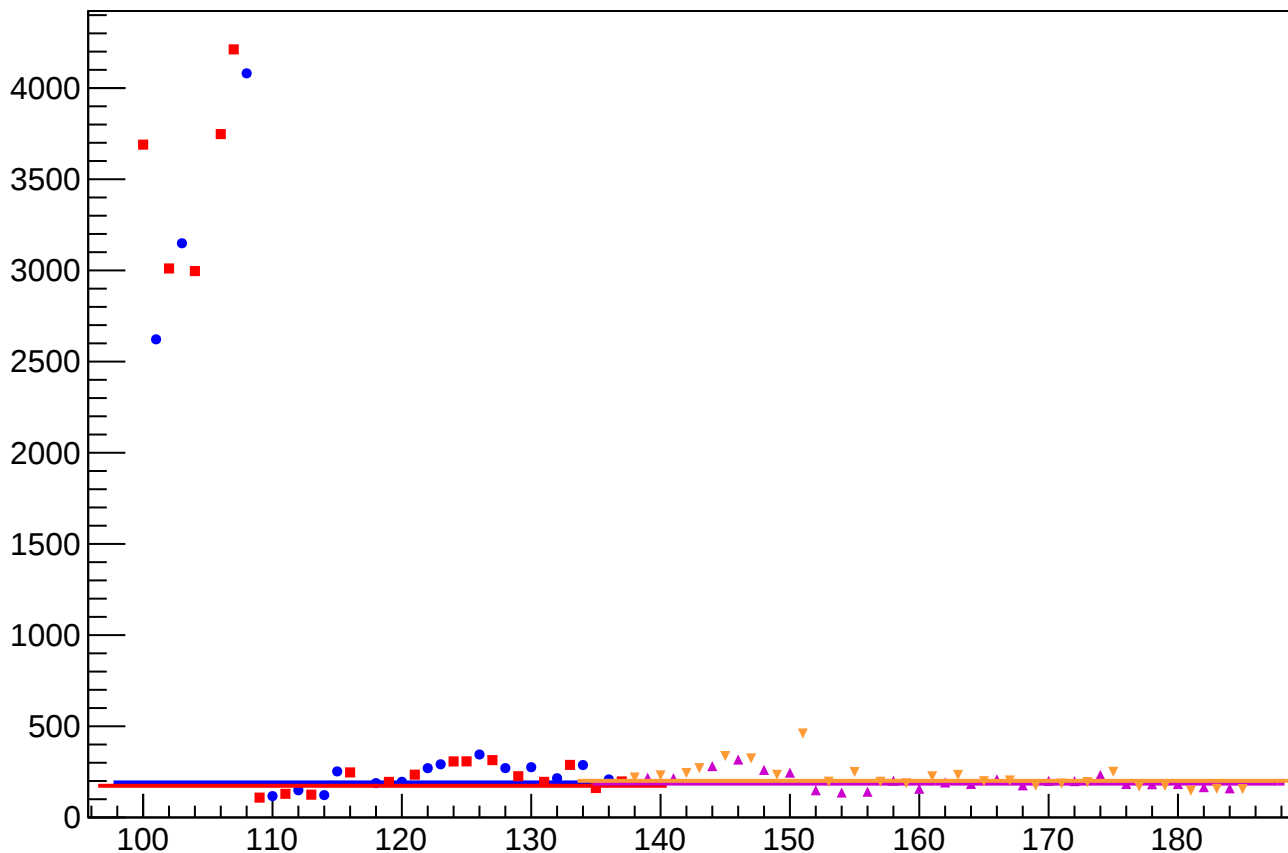
Left In: -34.977 $\pm$ 46.421 χ^2 /NDF: 7.1/22

+ sign 15.357 $\pm$ 42.665 χ^2 /NDF: 22.1/41

All: -7.189 $\pm$ 29.298 χ^2 /NDF: 41.0/83

- 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 $\pm$ 0.062 χ^2 /NDF: 3575311.3/16

Left Out: 201.000 $\pm$ 0.034 χ^2 /NDF:1833291.0/24

Right Out: 173.728 $\pm$ 0.057 χ^2 /NDF: 4205626.6/18

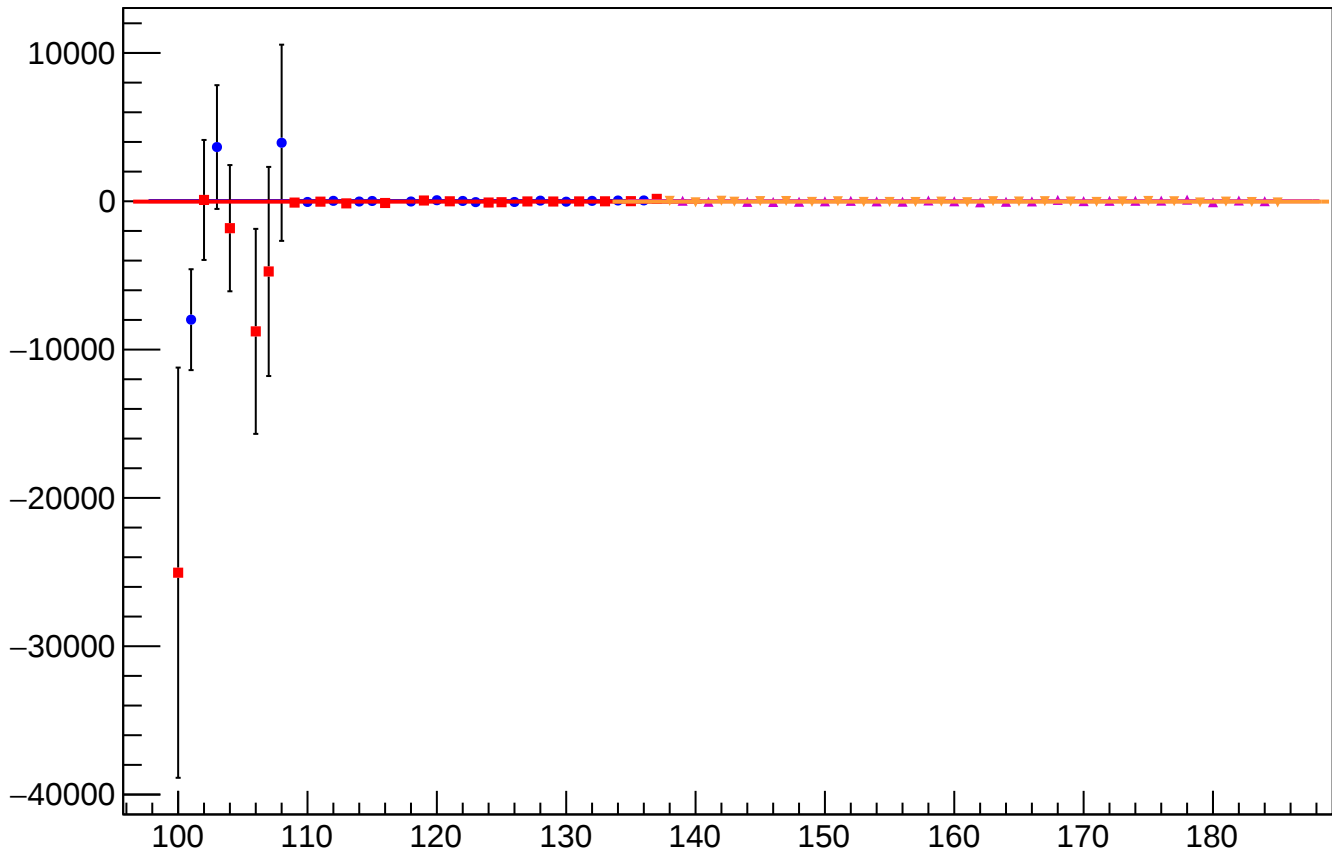
Left In: 185.627 $\pm$ 0.033 χ^2 /NDF:1371411.2/22

+ sign 198.924 $\pm$ 0.030 χ^2 /NDF: 5424127.9/41

All: 190.349 $\pm$ 0.021 χ^2 /NDF: 11186372.7/83

- sign 182.698 $\pm$ 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: -23.016+/-7.367 χ^2/NDF :18.2/24

Right Out: -22.859+/-13.697 χ^2/NDF : 27.3/18

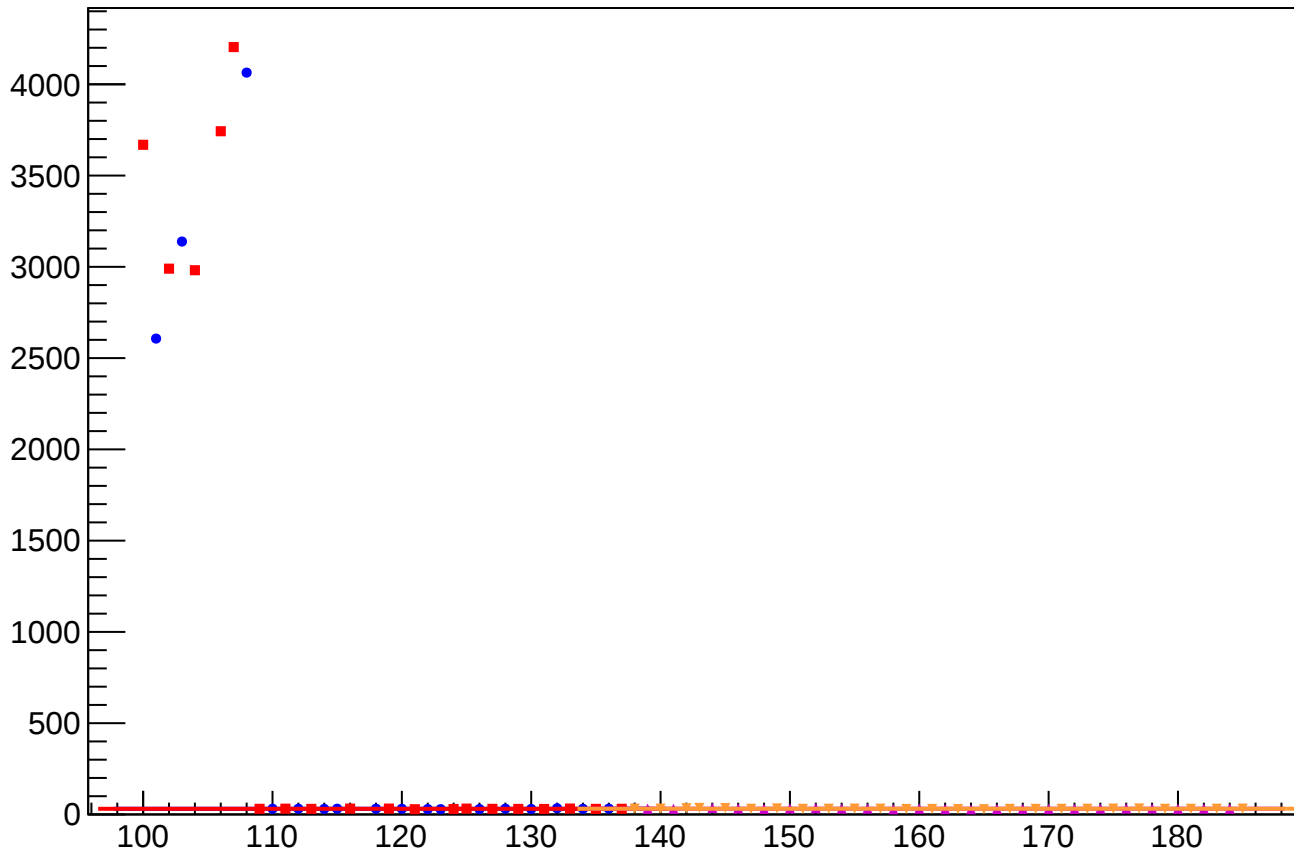
Left In: 6.386+/-7.577 χ^2/NDF :38.7/22

+ sign -14.627+/-6.484 χ^2/NDF : 38.8/41

All: -7.704+/-4.636 χ^2/NDF : 110.7/83

- 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: 31.465 $\pm$ 0.005 χ^2 /NDF: 77045.9/24

Right Out: 30.985 $\pm$ 0.010 χ^2 /NDF: 3458900.0/18

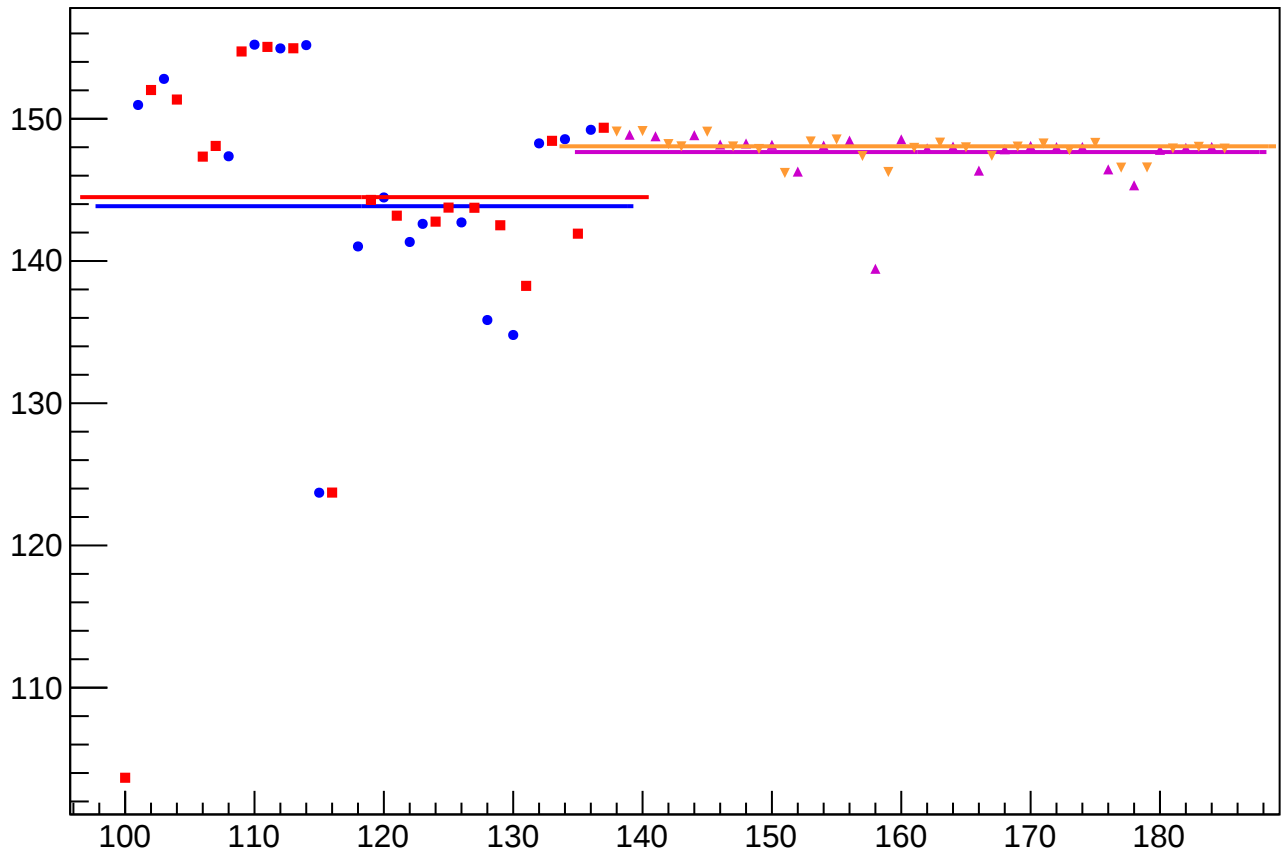
Left In: 31.475 $\pm$ 0.005 χ^2 /NDF: 87797.5/22

+ sign 31.396 $\pm$ 0.005 χ^2 /NDF: 3091995.9/41

All: 31.378 $\pm$ 0.003 χ^2 /NDF: 6640685.8/83

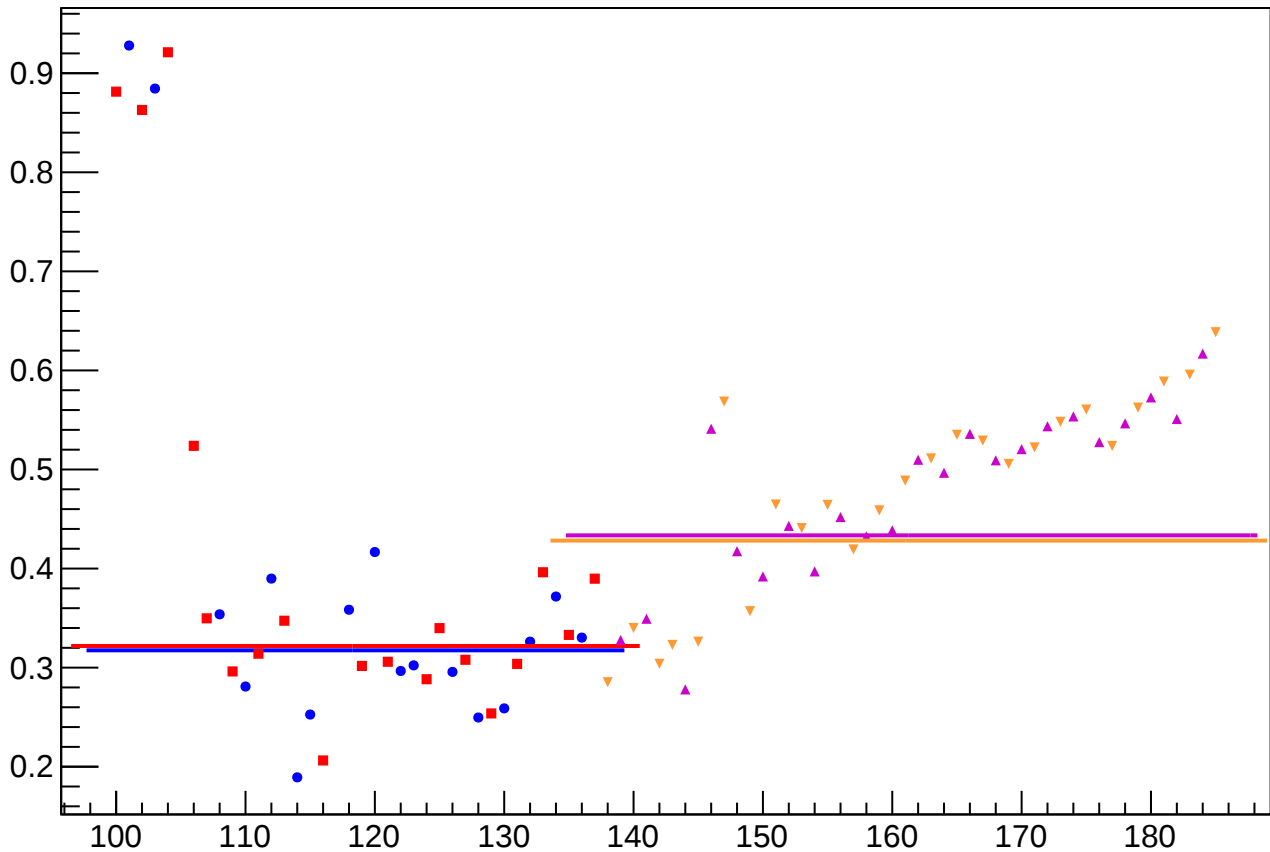
- sign 31.360 $\pm$ 0.005 χ^2 /NDF: 3548661.1/41

yield_bcm_an_ds_mean vs Slug



Right In: 143.854+/-0.000	χ^2/NDF : 3448306444.5/16	+ sign 146.482+/-0.000	χ^2/NDF : 4125434965.1/41
Left Out: 148.065+/-0.000	χ^2/NDF : 65591552.4/24	All: 146.443+/-0.000	χ^2/NDF : 8996267388.6
Right Out: 144.491+/-0.000	χ^2/NDF : 4184461794.3/18	- sign 146.404+/-0.000	χ^2/NDF : 4870386555.2/41
Left In: 147.660+/-0.000	χ^2/NDF : 343892338.9/22		

yield_bcm_an_ds_rms vs Slug



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1273243.2/16

Left Out: 0.428 $\pm$ 0.000 χ^2 /NDF:1881164.3/24

Right Out: 0.322 $\pm$ 0.000 χ^2 /NDF: 1215219.2/18

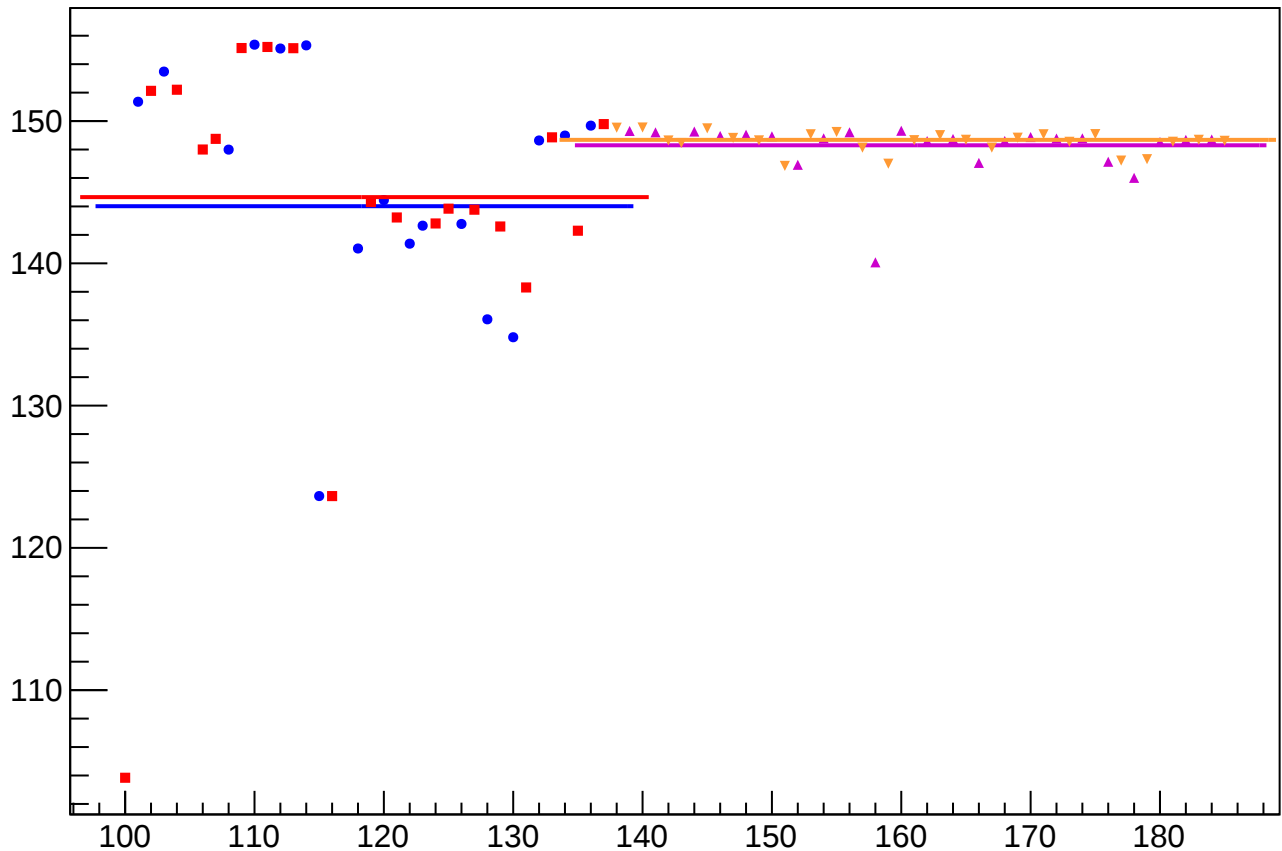
Left In: 0.434 $\pm$ 0.000 χ^2 /NDF:1479367.0/22

+ sign 0.387 $\pm$ 0.000 χ^2 /NDF: 4000791.5/41

All: 0.388 $\pm$ 0.000 χ^2 /NDF: 7545270.0/83

- sign 0.389 $\pm$ 0.000 χ^2 /NDF: 3543478.6/41

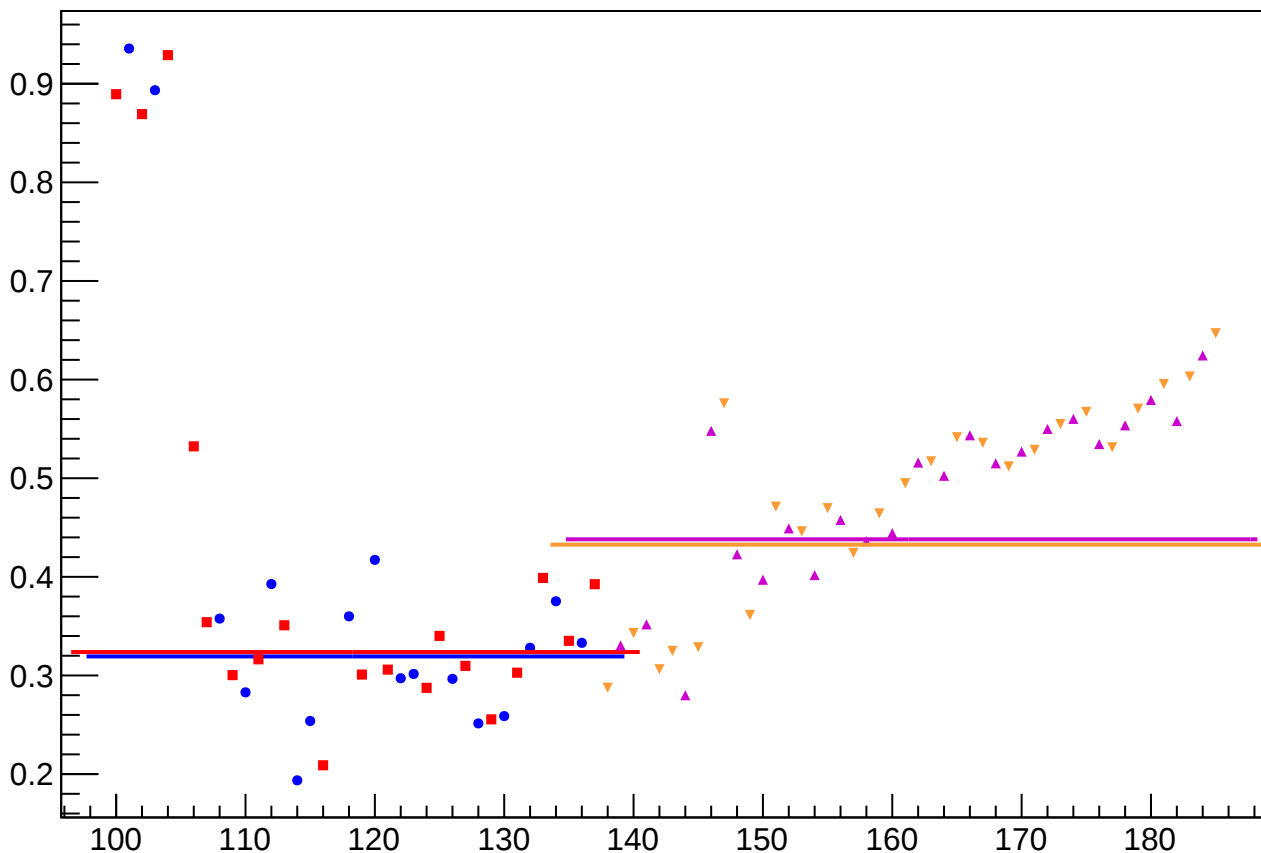
yield_bcm_an_ds3_mean vs Slug



Right In: 144.016 ± 0.000 χ^2/NDF : 3492221319.5/16
 Left Out: 148.680 ± 0.000 χ^2/NDF : 52516951.4/24
 Right Out: 144.655 ± 0.000 χ^2/NDF : 4208783732.4/18
 Left In: 148.298 ± 0.000 χ^2/NDF : 332527463.6/22

+ sign 146.916 ± 0.000 χ^2/NDF : 4283383879.9/41
 All: 146.881 ± 0.000 χ^2/NDF : 9269799041.8
 - sign 146.845 ± 0.000 χ^2/NDF : 4986056370.4/41

yield_bcm_an_ds3_rms vs Slug



Right In: 0.319 $\pm$ 0.000 χ^2 /NDF: 1274809.7/16

Left Out: 0.433 $\pm$ 0.000 χ^2 /NDF:1912959.7/24

Right Out: 0.324 $\pm$ 0.000 χ^2 /NDF: 1217547.6/18

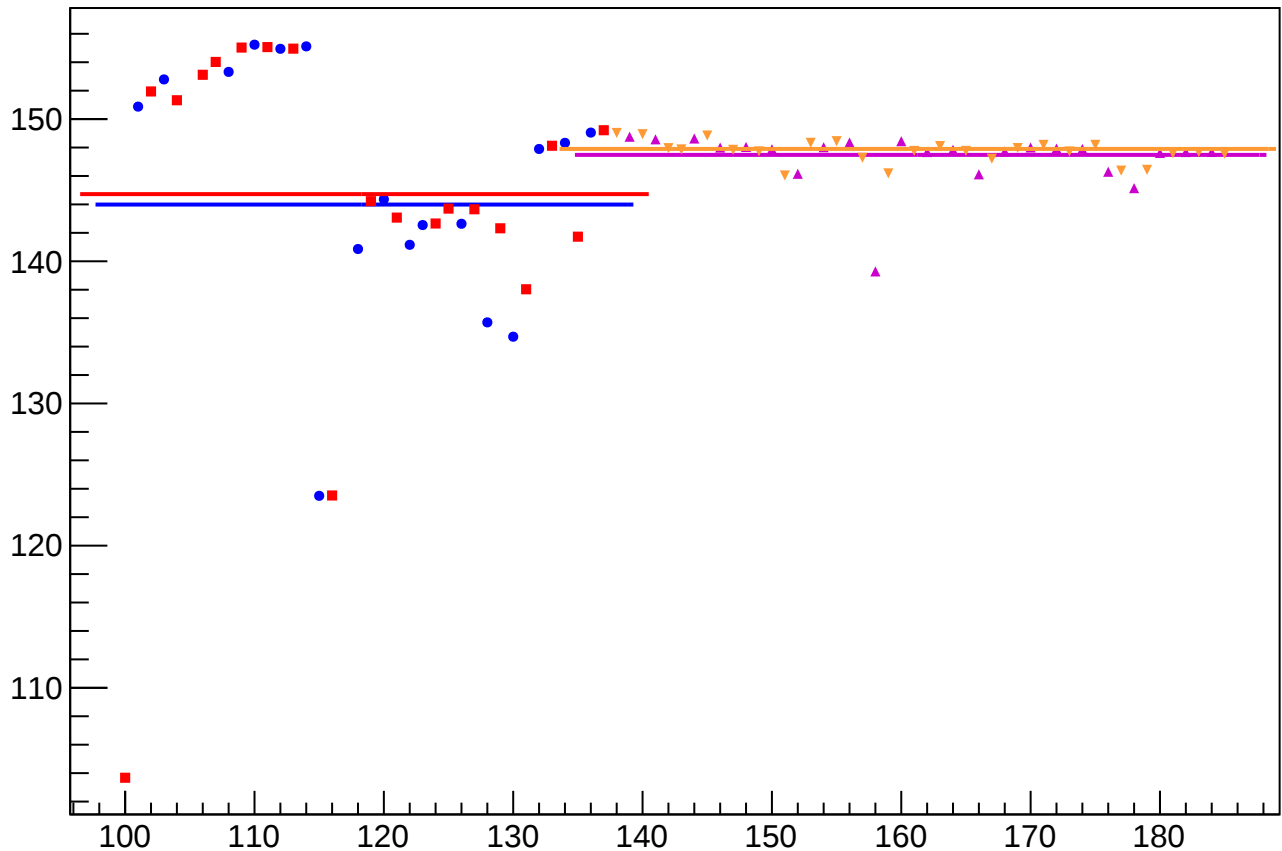
Left In: 0.438 $\pm$ 0.000 χ^2 /NDF:1504635.6/22

+ sign 0.390 $\pm$ 0.000 χ^2 /NDF: 4060708.6/41

All: 0.391 $\pm$ 0.000 χ^2 /NDF: 7659292.7/83

- sign 0.392 $\pm$ 0.000 χ^2 /NDF: 3597557.6/41

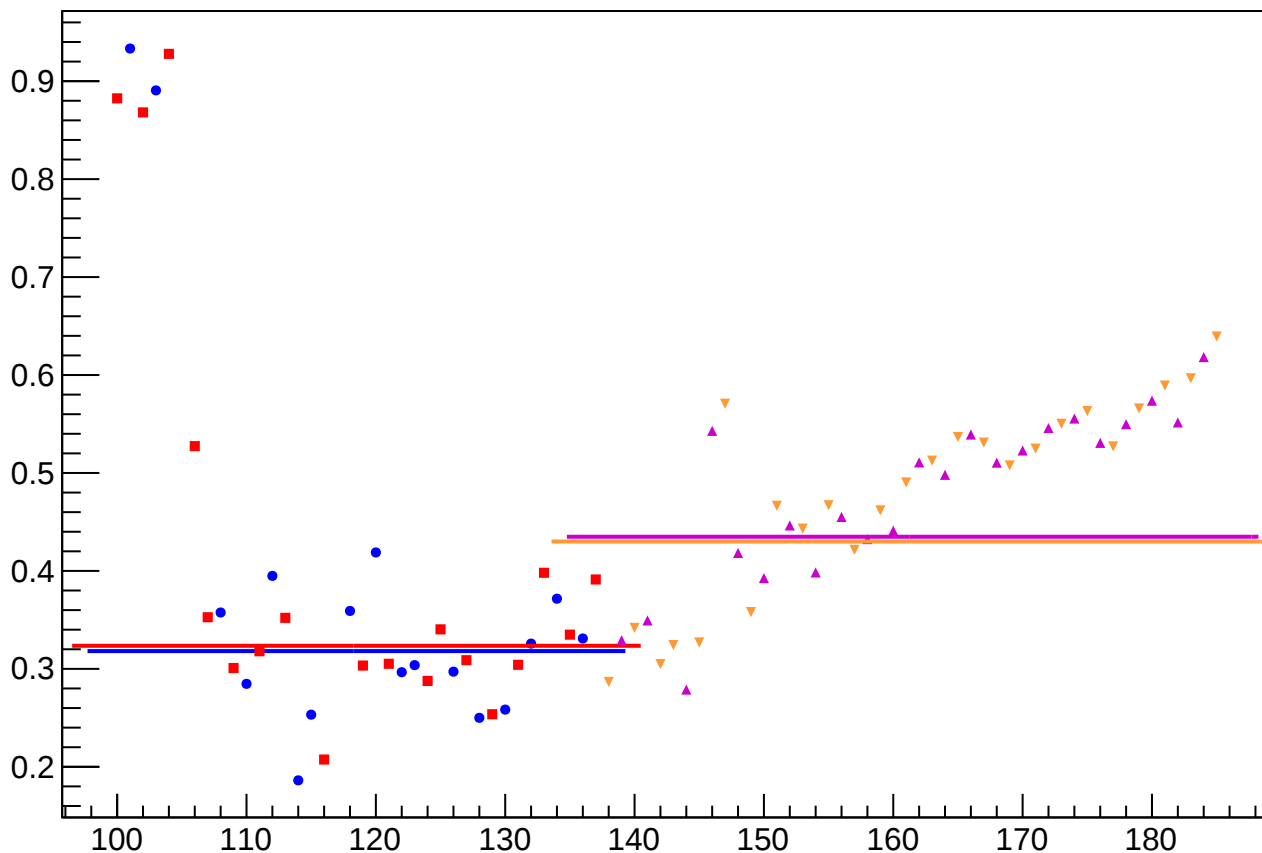
yield_bcm_an_us_mean vs Slug



Right In: 143.990 ± 0.000 χ^2/NDF : 3661758828.8/16
 Left Out: 147.903 ± 0.000 χ^2/NDF : 64426546.1/24
 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 146.430 ± 0.000 χ^2/NDF : 4250762298.9/41
 All: 146.411 ± 0.000 χ^2/NDF : 9324725803.3
 - 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: 0.430 $\pm$ 0.000 χ^2 /NDF:1880651.6/24

Right Out: 0.324 $\pm$ 0.000 χ^2 /NDF: 1220104.3/18

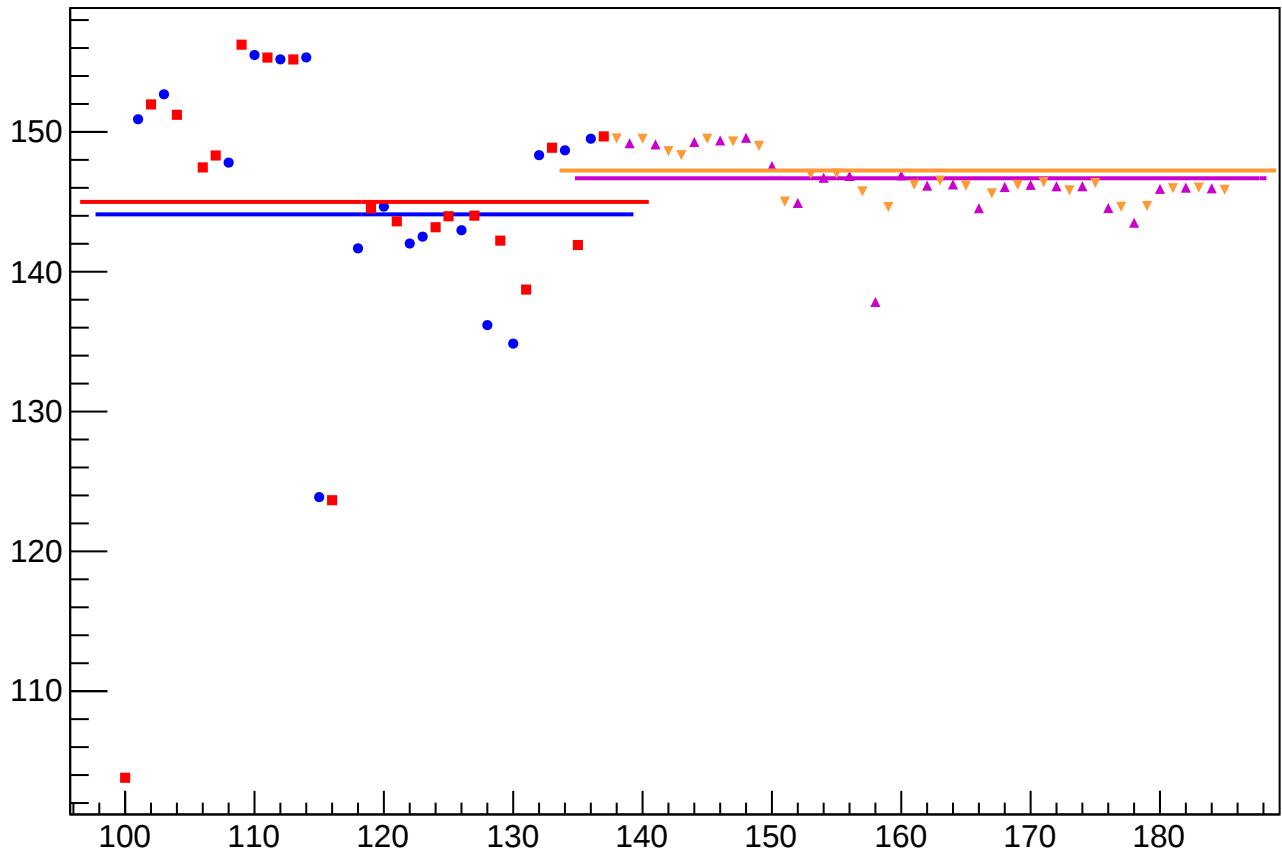
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1485915.1/22

+ sign 0.388 $\pm$ 0.000 χ^2 /NDF: 4025879.4/41

All: 0.389 $\pm$ 0.000 χ^2 /NDF: 7569083.5/83

- sign 0.391 $\pm$ 0.000 χ^2 /NDF: 3541951.5/41

yield_bcm_dg_us_mean vs Slug



Right In: 144.104 $\pm$ 0.000 χ^2 /NDF: 3160280337.5/16

Left Out: 147.241 $\pm$ 0.000 χ^2 /NDF: 259615221.8/24

Right Out: 144.995 $\pm$ 0.000 χ^2 /NDF: 3854490205.5/18

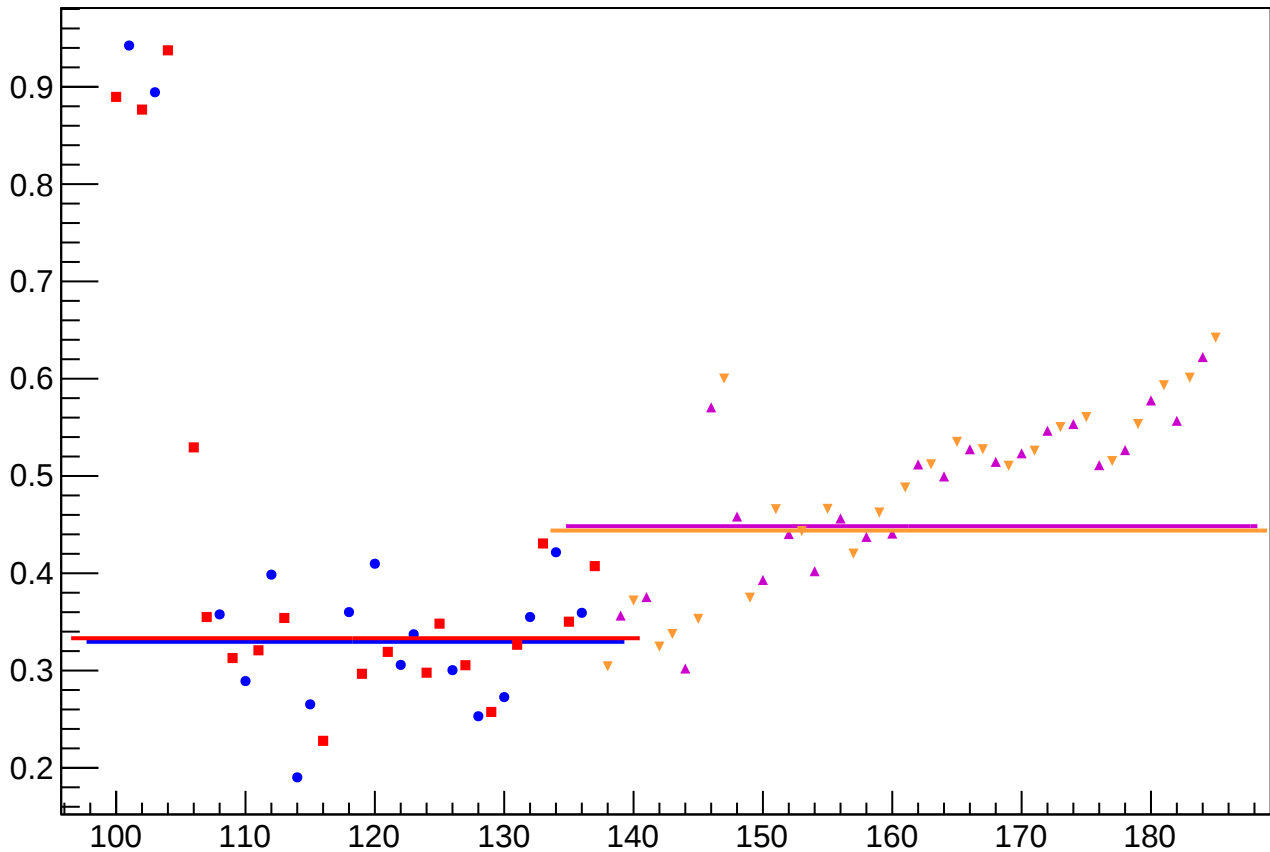
Left In: 146.685 $\pm$ 0.000 χ^2 /NDF: 554922388.0/22

+ sign 146.074 $\pm$ 0.000 χ^2 /NDF: 3735551538.9/41

All: 146.047 $\pm$ 0.000 χ^2 /NDF: 8236280308.5

- sign 146.020 $\pm$ 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: 0.444 ± 0.000 χ^2/NDF : 1475145.3/24

Right Out: 0.333 ± 0.000 χ^2/NDF : 1179001.1/18

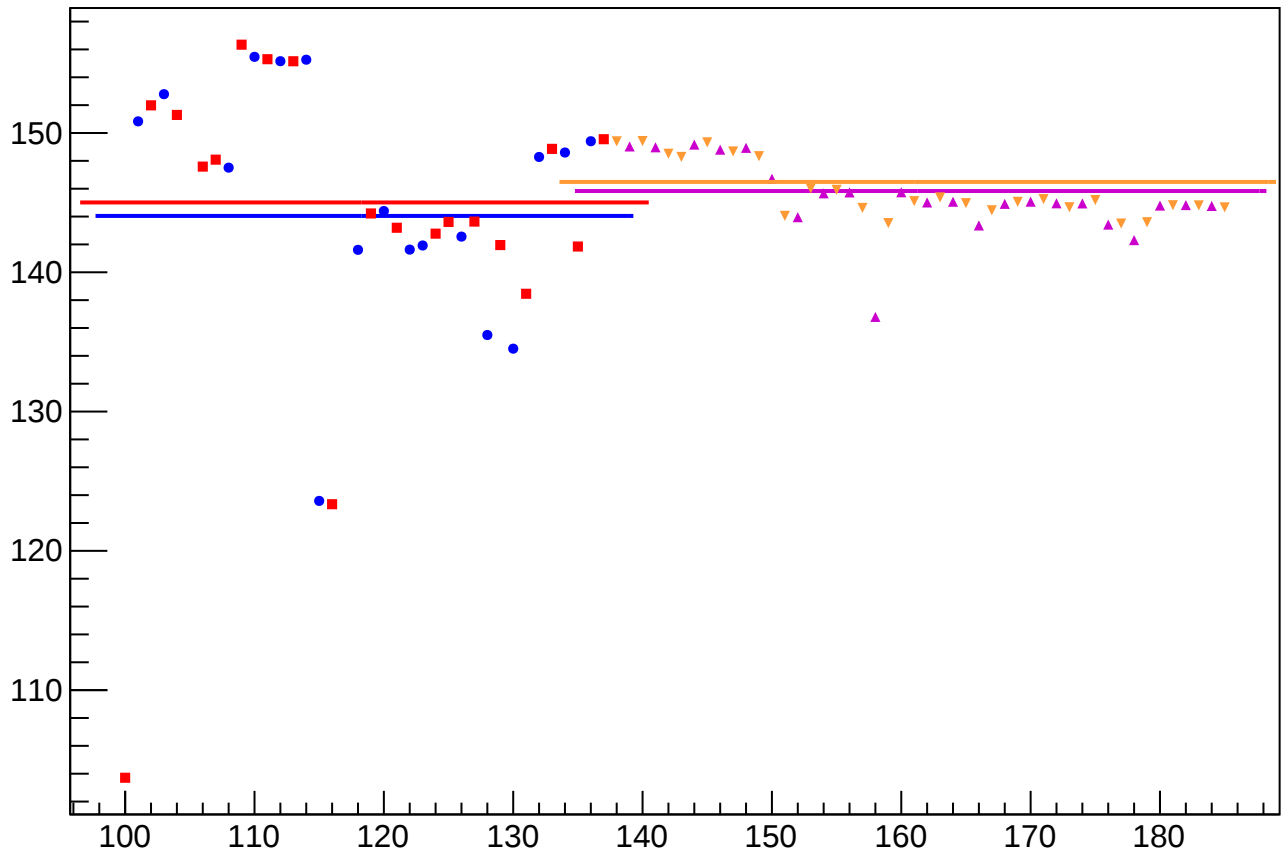
Left In: 0.448 ± 0.000 χ^2/NDF : 1120261.8/22

+ sign 0.401 ± 0.000 χ^2/NDF : 3584052.7/41

All: 0.402 ± 0.000 χ^2/NDF : 6729473.2/83

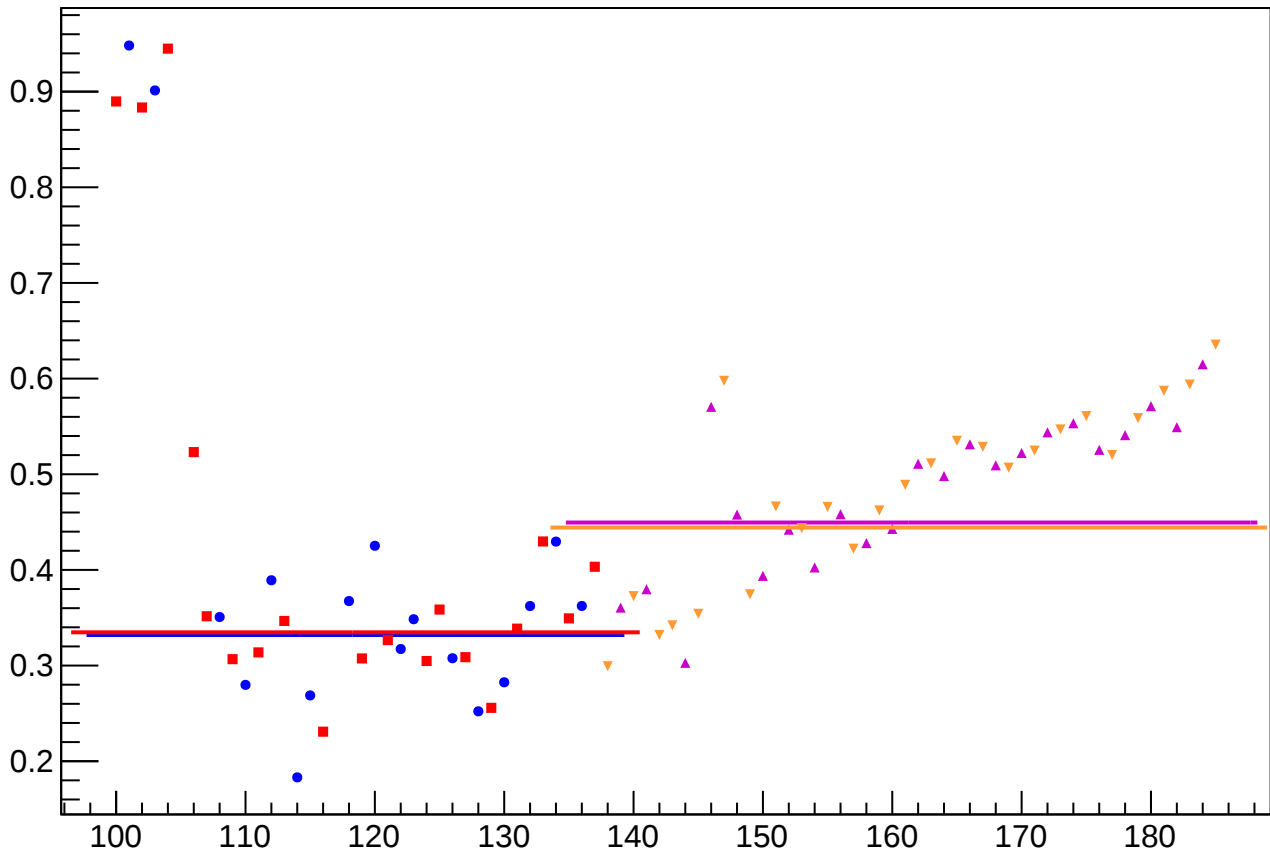
- sign 0.403 ± 0.000 χ^2/NDF : 3145019.0/41

yield_bcm_dg_ds_mean vs Slug



Right In: 144.046 $\pm$ 0.000	χ^2 /NDF: 3279467915.9/16	+ sign 145.588 $\pm$ 0.000	χ^2 /NDF: 3865502810.1/41
Left Out: 146.488 $\pm$ 0.000	χ^2 /NDF: 397071689.9/24	All: 145.551 $\pm$ 0.000	χ^2 /NDF: 8508074680.5
Right Out: 145.013 $\pm$ 0.000	χ^2 /NDF: 3930693089.2/18	- sign 145.512 $\pm$ 0.000	χ^2 /NDF: 4642184292.7/41
Left In: 145.834 $\pm$ 0.000	χ^2 /NDF: 690172810.0/22		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.332 $\pm$ 0.000 χ^2 /NDF: 1287882.2/16

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1456229.0/24

Right Out: 0.335 $\pm$ 0.000 χ^2 /NDF: 1168458.2/18

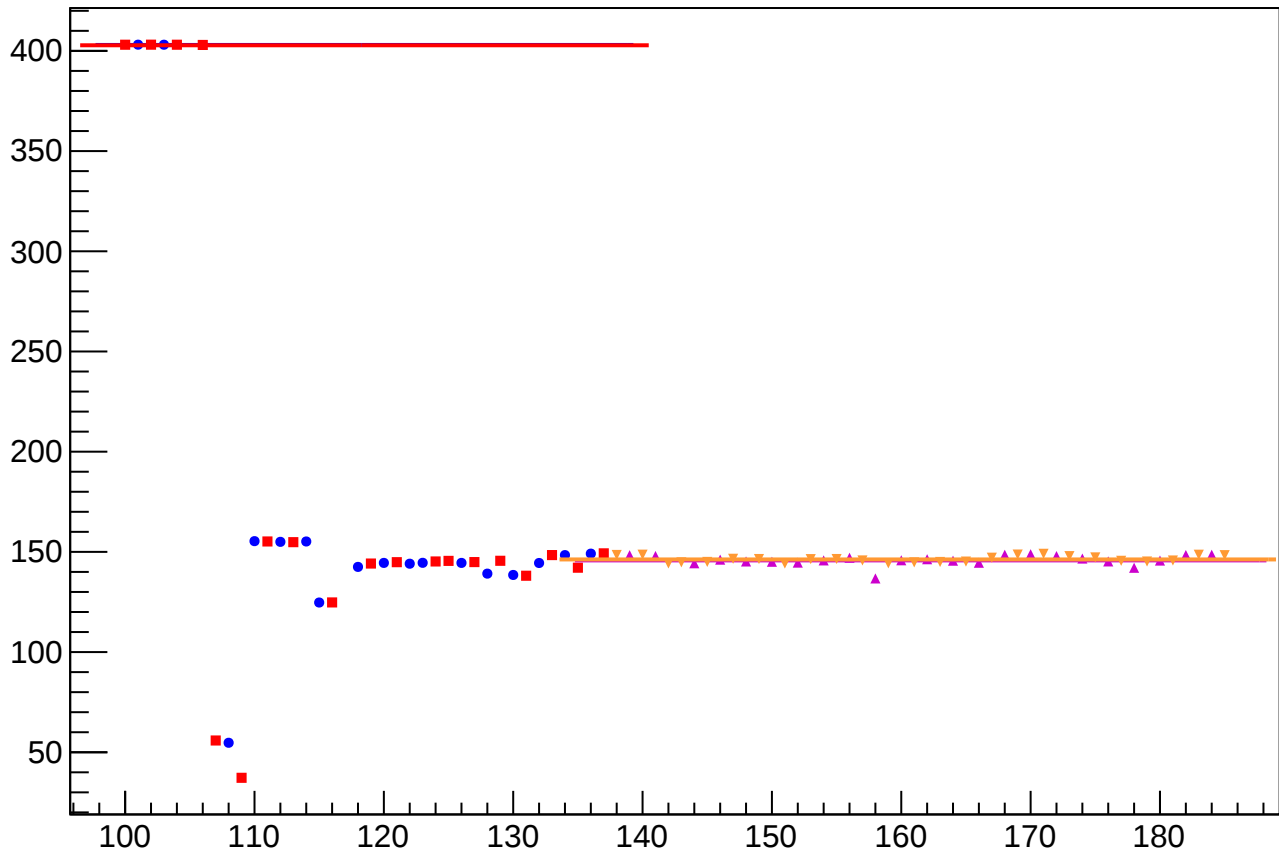
Left In: 0.450 $\pm$ 0.000 χ^2 /NDF:1092776.5/22

+ sign 0.403 $\pm$ 0.000 χ^2 /NDF: 3543691.3/41

All: 0.404 $\pm$ 0.000 χ^2 /NDF: 6638224.5/83

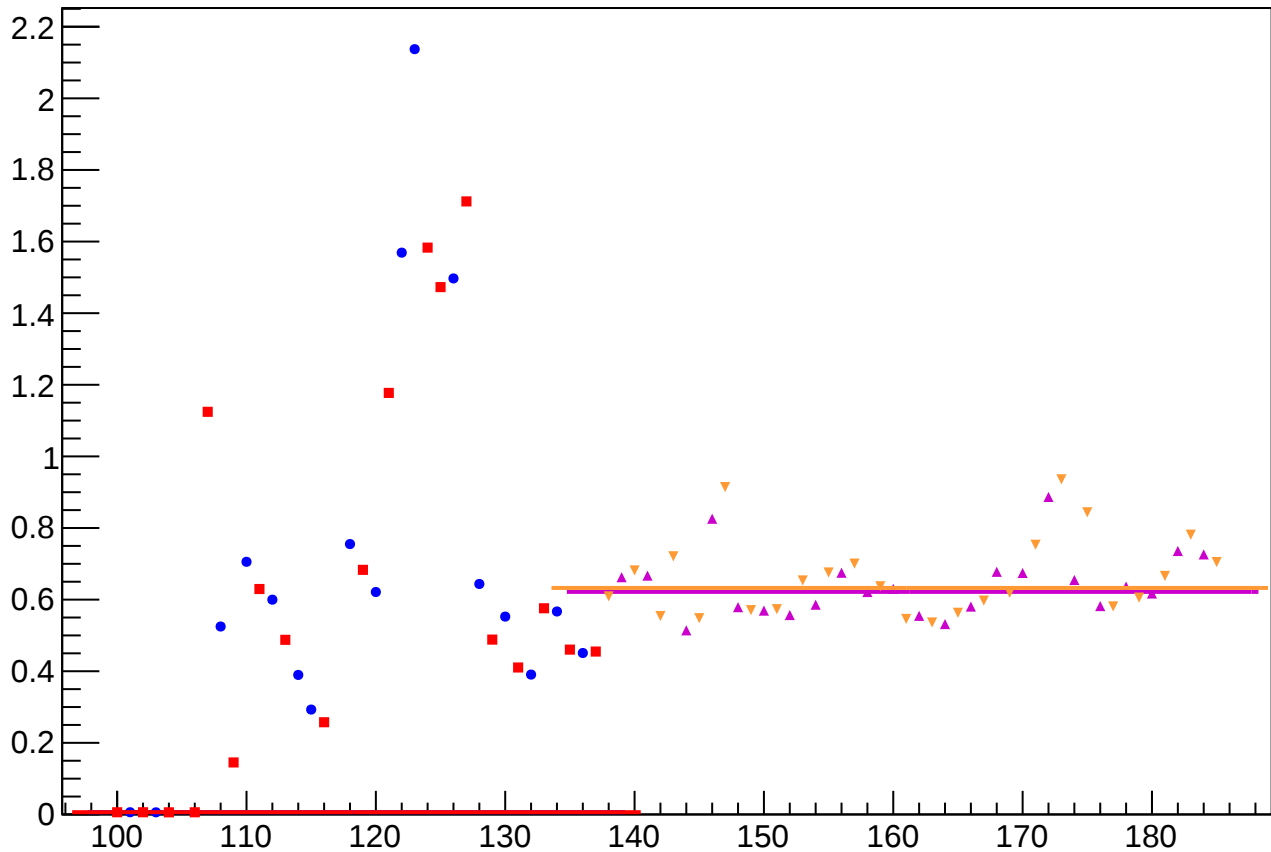
- sign 0.405 $\pm$ 0.000 χ^2 /NDF: 3094169.1/41

yield_cav4bQ_mean vs Slug



Right In: 402.957 $\pm$ 0.000 χ^2/NDF : 1097981079296.6/16
 Left Out: 146.224 $\pm$ 0.000 χ^2/NDF : 85347070.5/24
 Right Out: 402.798 $\pm$ 0.000 χ^2/NDF : 3106239706226.1/18
 Left In: 145.755 $\pm$ 0.000 χ^2/NDF : 206171532.0/22

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9127939.0/16

Left Out: 0.633+/-0.000 χ^2/NDF : 617581.1/24

Right Out: 0.006+/-0.000 χ^2/NDF : 9171738.5/18

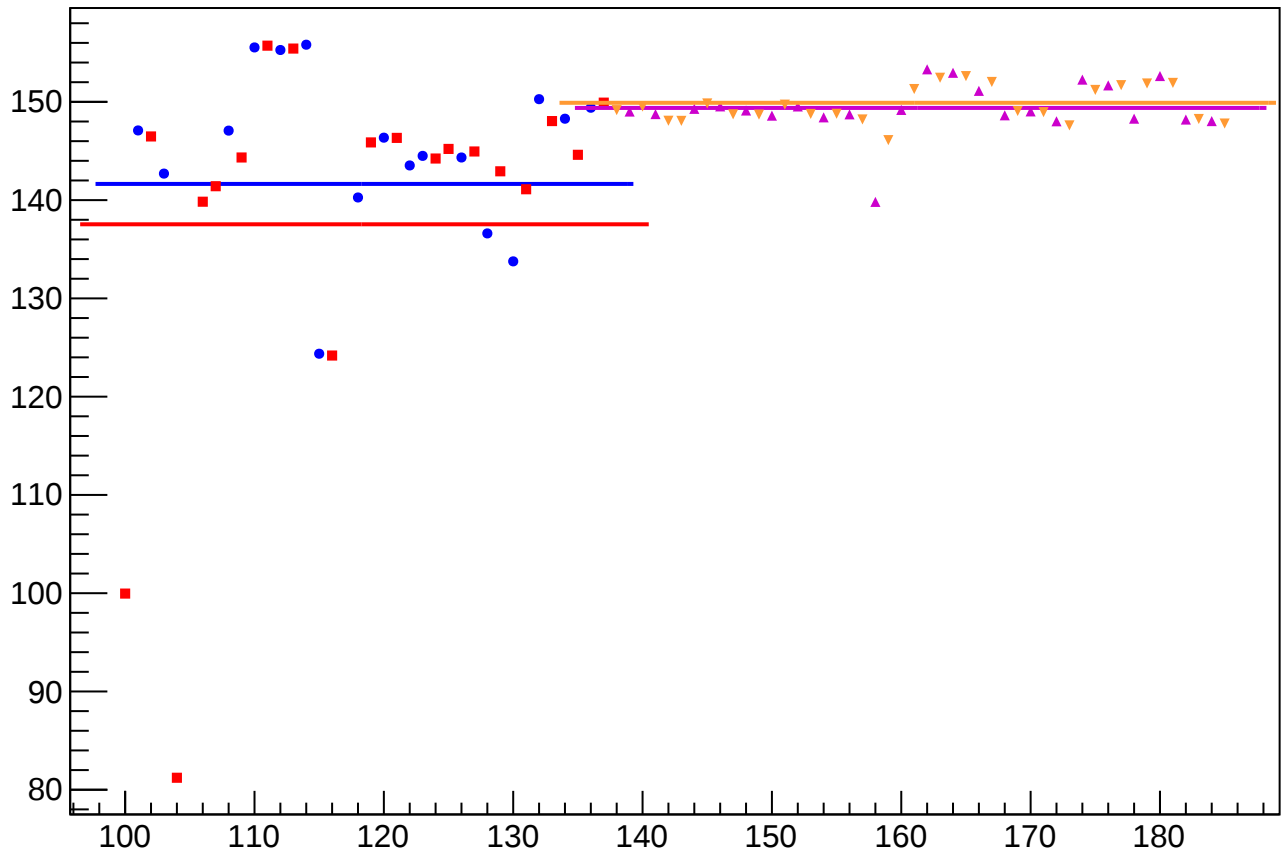
Left In: 0.622+/-0.000 χ^2/NDF : 399965.3/22

+ sign 0.007+/-0.000 χ^2/NDF : 37721967.6/41

All: 0.007+/-0.000 χ^2/NDF : 73988400.8/83

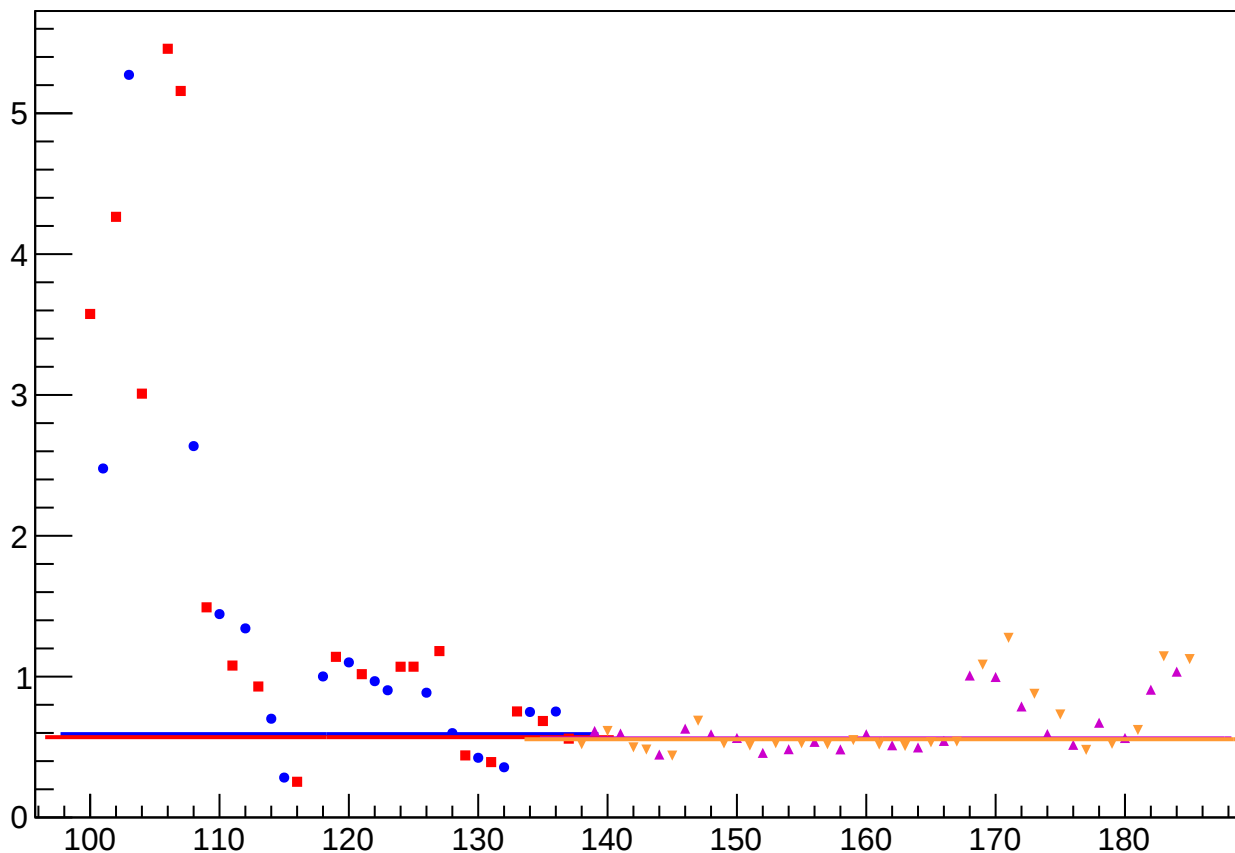
- sign 0.007+/-0.000 χ^2/NDF : 36266010.5/41

yield_cav4cQ_mean vs Slug



Right In: 141.649 $\pm$ 0.000	χ^2 /NDF: 978960977.0/16	+ sign 148.527 $\pm$ 0.000	χ^2 /NDF: 1715391481.4/41
Left Out: 149.905 $\pm$ 0.000	χ^2 /NDF: 163005033.2/24	All: 147.894 $\pm$ 0.000	χ^2 /NDF: 4724366711.6
Right Out: 137.540 $\pm$ 0.000	χ^2 /NDF: 1319926808.9/18	- sign 147.230 $\pm$ 0.000	χ^2 /NDF: 2959236163.2/41
Left In: 149.382 $\pm$ 0.000	χ^2 /NDF: 434657827.5/22		

yield_cav4cQ_rms vs Slug



Right In: 0.592 $\pm$ 0.000 χ^2 /NDF: 3518726.1/16

Left Out: 0.555 $\pm$ 0.000 χ^2 /NDF:1778015.2/24

Right Out: 0.570 $\pm$ 0.000 χ^2 /NDF: 4645113.2/18

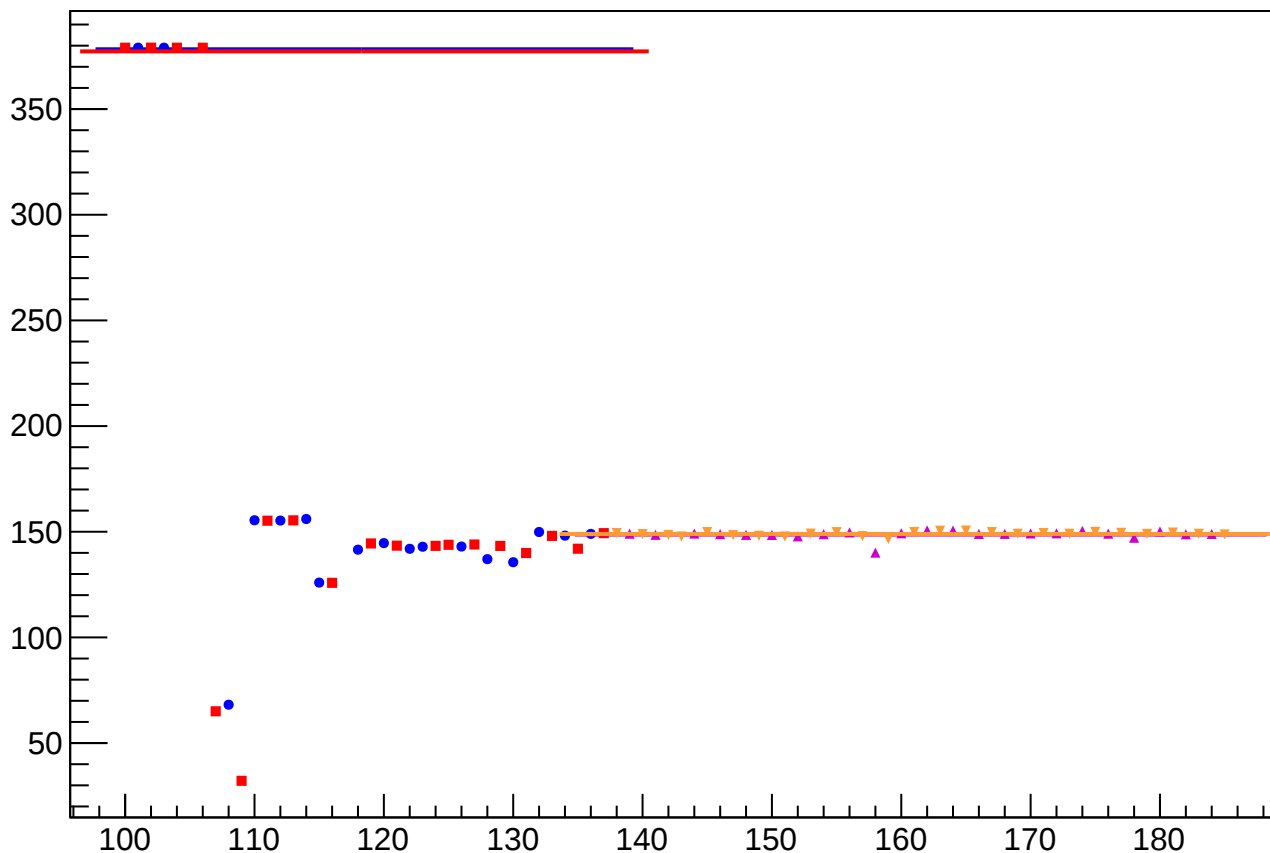
Left In: 0.562 $\pm$ 0.000 χ^2 /NDF:1305573.4/22

+ sign 0.561 $\pm$ 0.000 χ^2 /NDF: 5318860.3/41

All: 0.562 $\pm$ 0.000 χ^2 /NDF: 11270933.5/83

- sign 0.563 $\pm$ 0.000 χ^2 /NDF: 5951875.5/41

yield_cav4dQ_mean vs Slug



Right In: 378.288+/-0.000 χ^2/NDF : 2492505563660.4/16

Left Out: 148.945+/-0.000 χ^2/NDF : 64728709.2/24

Right Out: 377.290+/-0.000 χ^2/NDF : 8277094761031.6/18

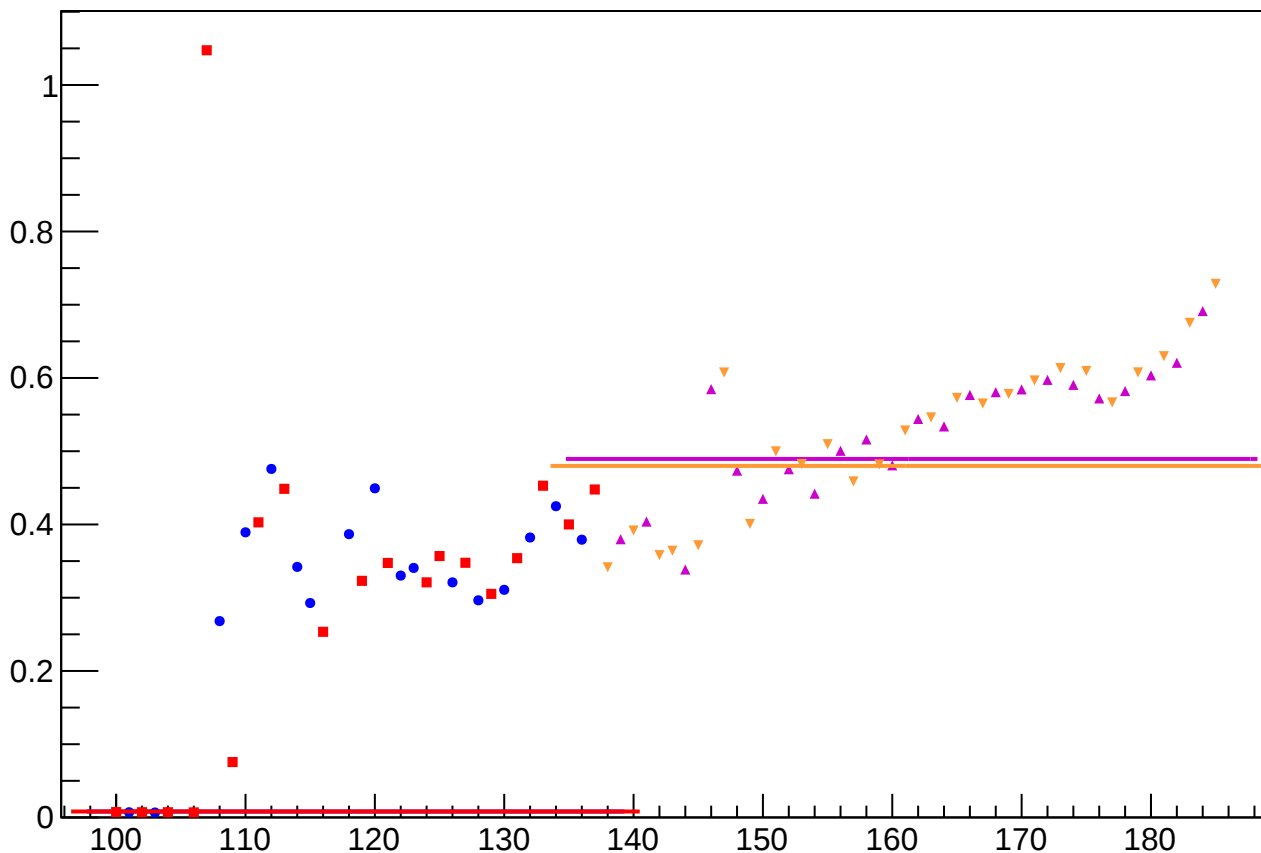
Left In: 148.672+/-0.000 χ^2/NDF : 252846428.3/22

+ sign 377.019+/-0.000 χ^2/NDF : 6365759436524.5

All: 376.617+/-0.000 χ^2/NDF : 18205935885

- sign 376.265+/-0.000 χ^2/NDF : 11836116982208.2

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 9842025.8/16

Left Out: 0.480+/-0.000 χ^2/NDF : 1508622.0/24

Right Out: 0.008+/-0.000 χ^2/NDF : 9491450.8/18

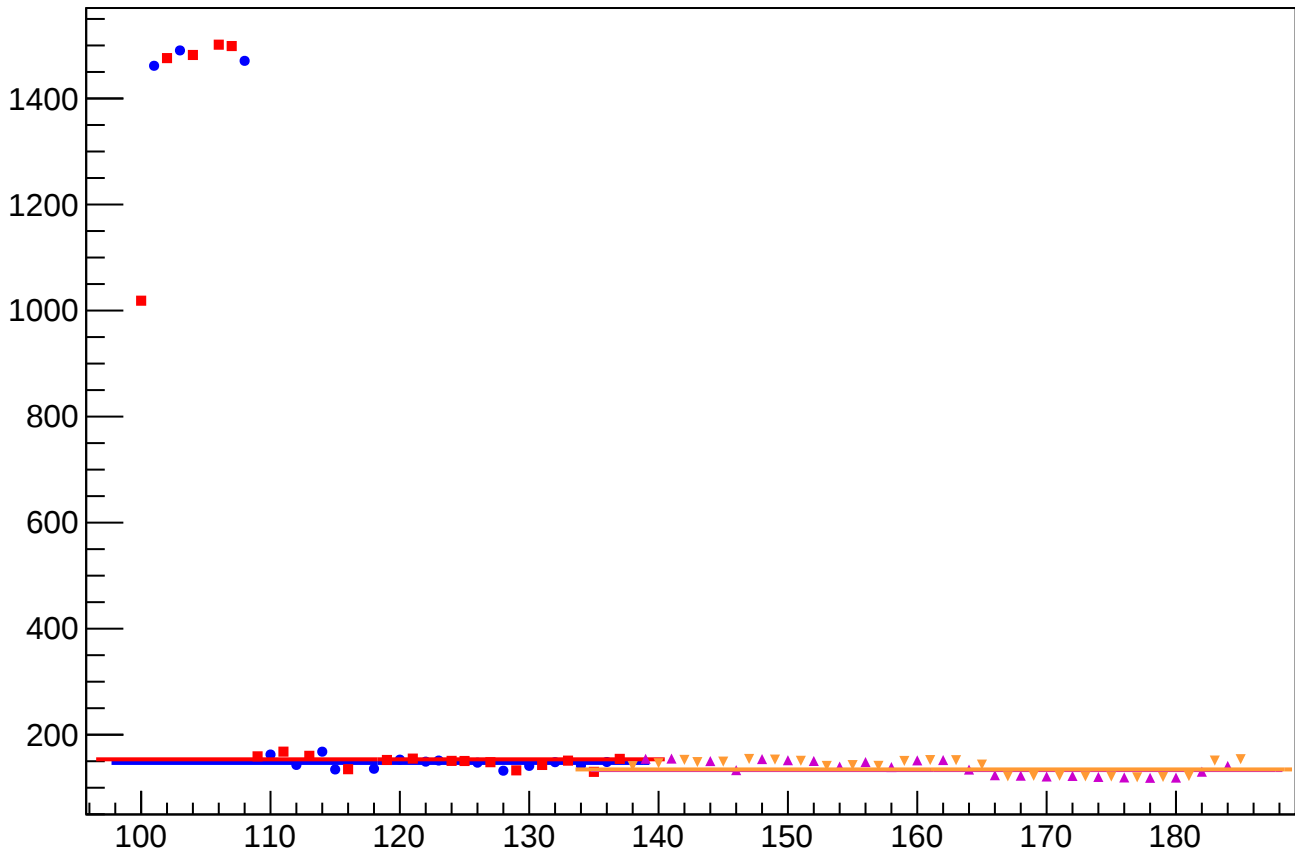
Left In: 0.489+/-0.000 χ^2/NDF : 1076134.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 44139536.2/41

All: 0.010+/-0.000 χ^2/NDF : 86258559.1/83

- sign 0.010+/-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: 134.519 $\pm$ 0.000 χ^2/NDF : 4361672574.6/24

Right Out: 153.596 $\pm$ 0.000 χ^2/NDF : 33791266543.9/18

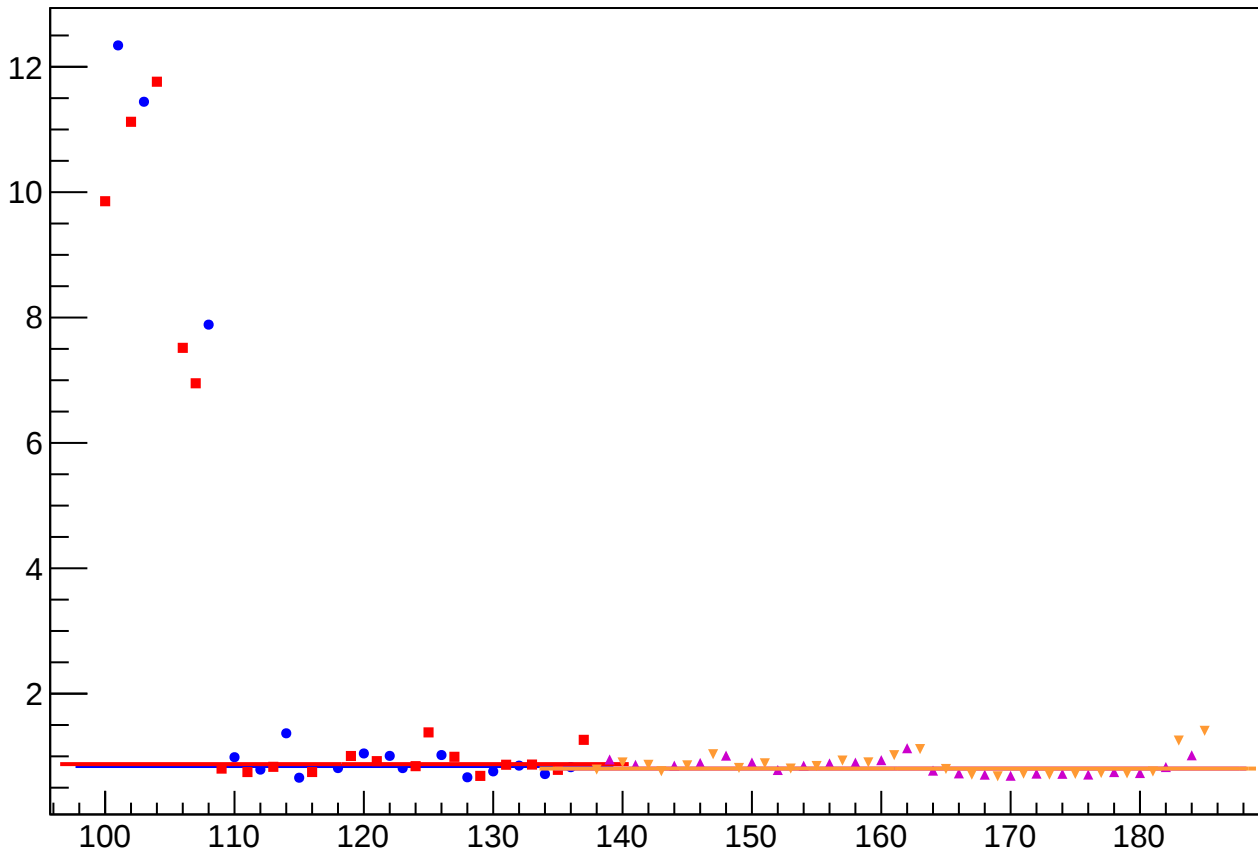
Left In: 133.337 $\pm$ 0.000 χ^2/NDF : 4303812119.2/22

+ sign 136.771 $\pm$ 0.000 χ^2/NDF : 29360787304.3/41

All: 136.967 $\pm$ 0.000 χ^2/NDF : 69223694596.0/41

- sign 137.170 $\pm$ 0.000 χ^2/NDF : 39860643393.0/41

yield_bcm0l02_rms vs Slug



Right In: 0.846 ± 0.000 χ^2/NDF : 2658649.7/16

Left Out: 0.805 ± 0.000 χ^2/NDF : 694642.0/24

Right Out: 0.876 ± 0.000 χ^2/NDF : 2826804.8/18

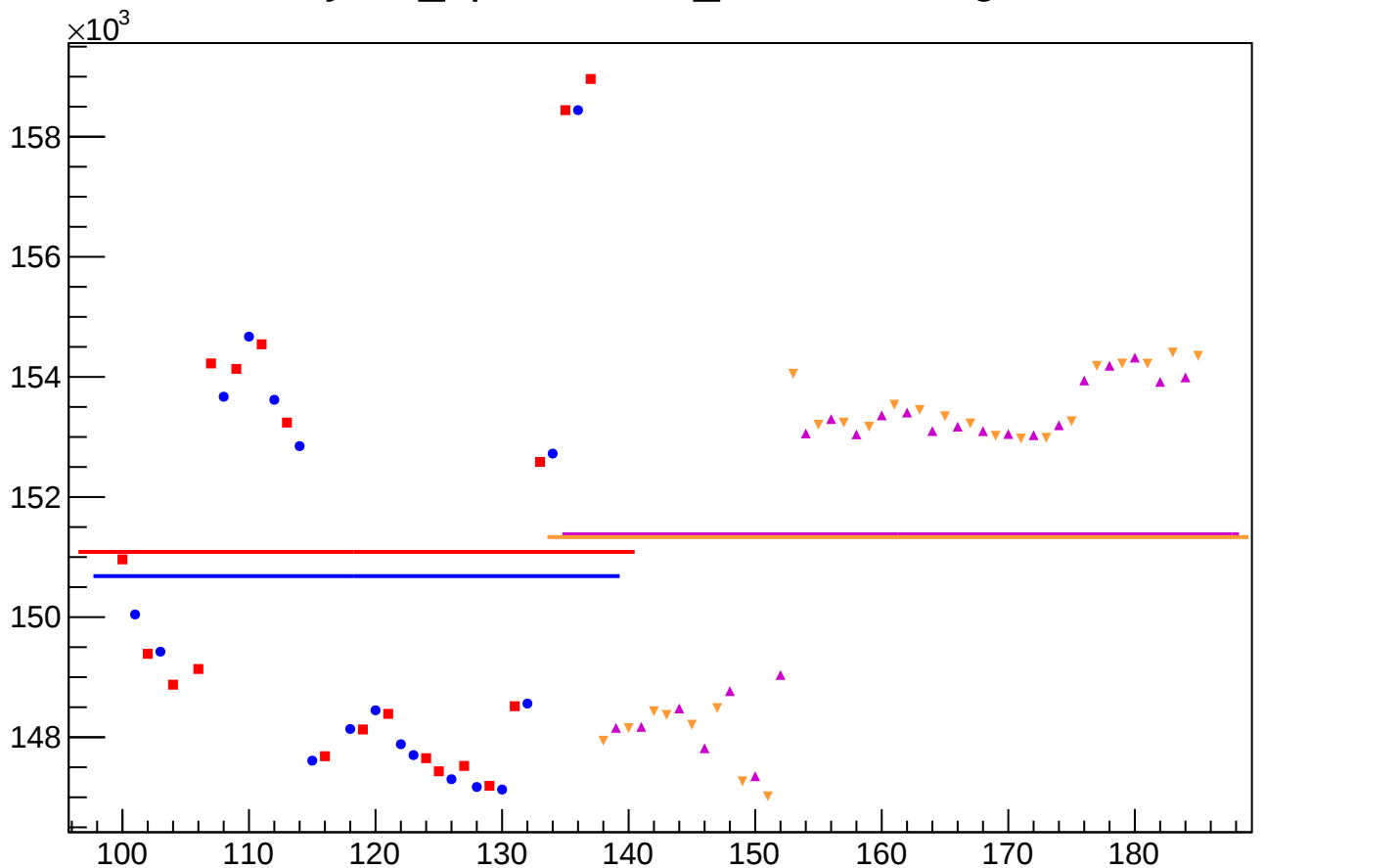
Left In: 0.805 ± 0.000 χ^2/NDF : 480510.8/22

+ sign 0.812 ± 0.000 χ^2/NDF : 3367680.0/41

All: 0.815 ± 0.000 χ^2/NDF : 6719670.9/83

- sign 0.818 ± 0.000 χ^2/NDF : 3351029.0/41

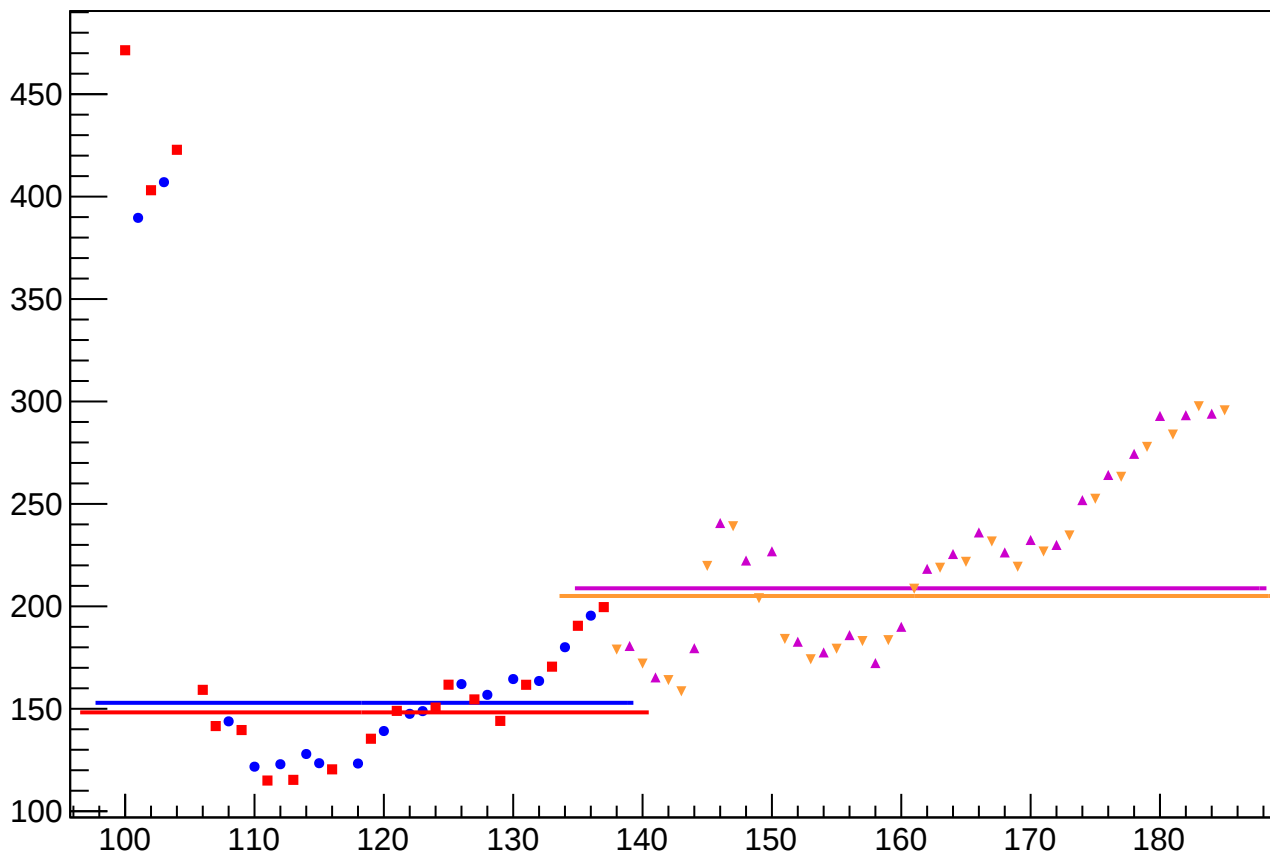
yield_bpm0i01WS_mean vs Slug



Right In: 150683.304 $\pm$ 0.063 χ^2/NDF : 3299311261.5/16
 Left Out: 151333.289 $\pm$ 0.049 χ^2/NDF : 3129165029.3/24
 Right Out: 151086.261 $\pm$ 0.060 χ^2/NDF : 3297509595.7/18
 Left In: 151380.236 $\pm$ 0.051 χ^2/NDF : 2363895785.3/22

+ sign 151089.597 $\pm$ 0.039 χ^2/NDF : 6494813839.7
 All: 151172.160 $\pm$ 0.027 χ^2/NDF : 12179378
 - sign 151255.711 $\pm$ 0.039 χ^2/NDF : 5675375853.0

yield_bpm0i01WS_rms vs Slug



Right In: 152.916+/-0.045 χ^2/NDF : 1154367.4/16

Left Out: 205.060+/-0.035 χ^2/NDF :1055109.2/24

Right Out: 148.245+/-0.042 χ^2/NDF : 1189017.0/18

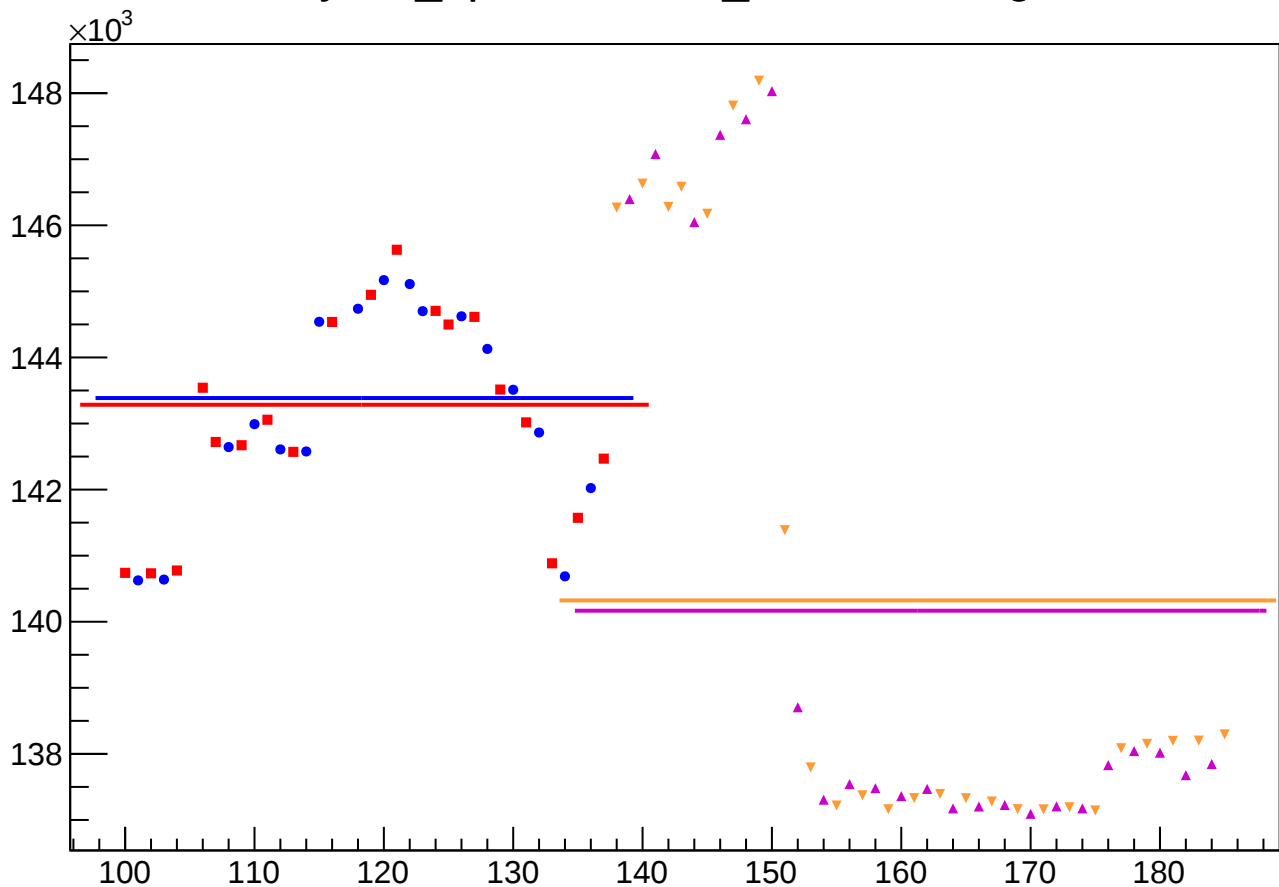
Left In: 208.813+/-0.036 χ^2/NDF :1001936.6/22

+ sign 185.510+/-0.027 χ^2/NDF : 3063335.8/41

All: 184.340+/-0.019 χ^2/NDF : 6444008.6/83

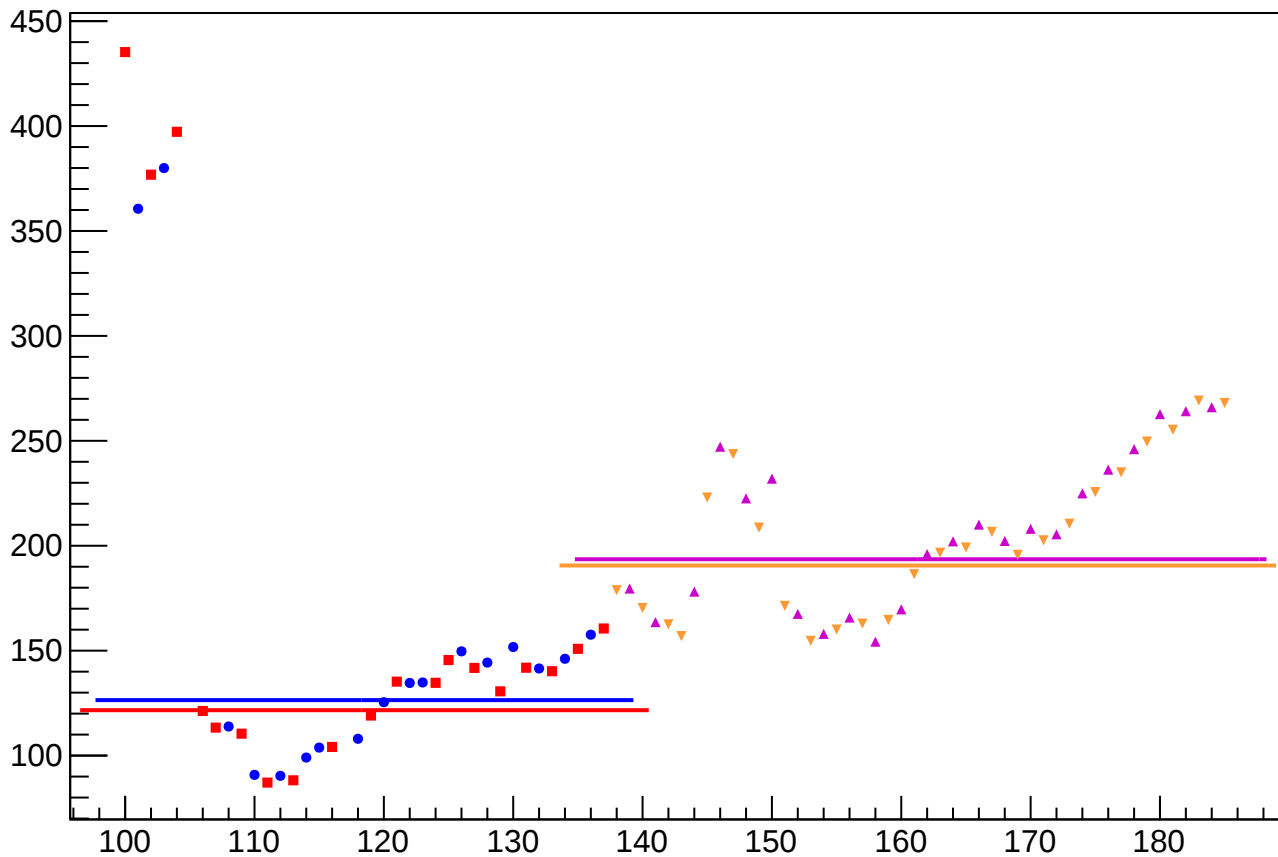
- sign 183.157+/-0.027 χ^2/NDF : 3376985.2/41

yield_bpm0i01aWS_mean vs Slug



Right In: 143385.822 $\pm$ 0.053	χ^2 /NDF: 520518329.3/16	+ sign 141624.264 $\pm$ 0.034	χ^2 /NDF: 11007796546.
Left Out: 140323.016 $\pm$ 0.045	χ^2 /NDF: 8551504331.2/24	All: 141648.318 $\pm$ 0.024	χ^2 /NDF: 217294828
Right Out: 143284.246 $\pm$ 0.049	χ^2 /NDF: 608478885.8/18	- sign 141671.972 $\pm$ 0.034	χ^2 /NDF: 10720717141.7
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: 190.587 $\pm$ 0.032 χ^2 /NDF: 949492.9/24

Right Out: 121.629 $\pm$ 0.035 χ^2 /NDF: 1458546.9/18

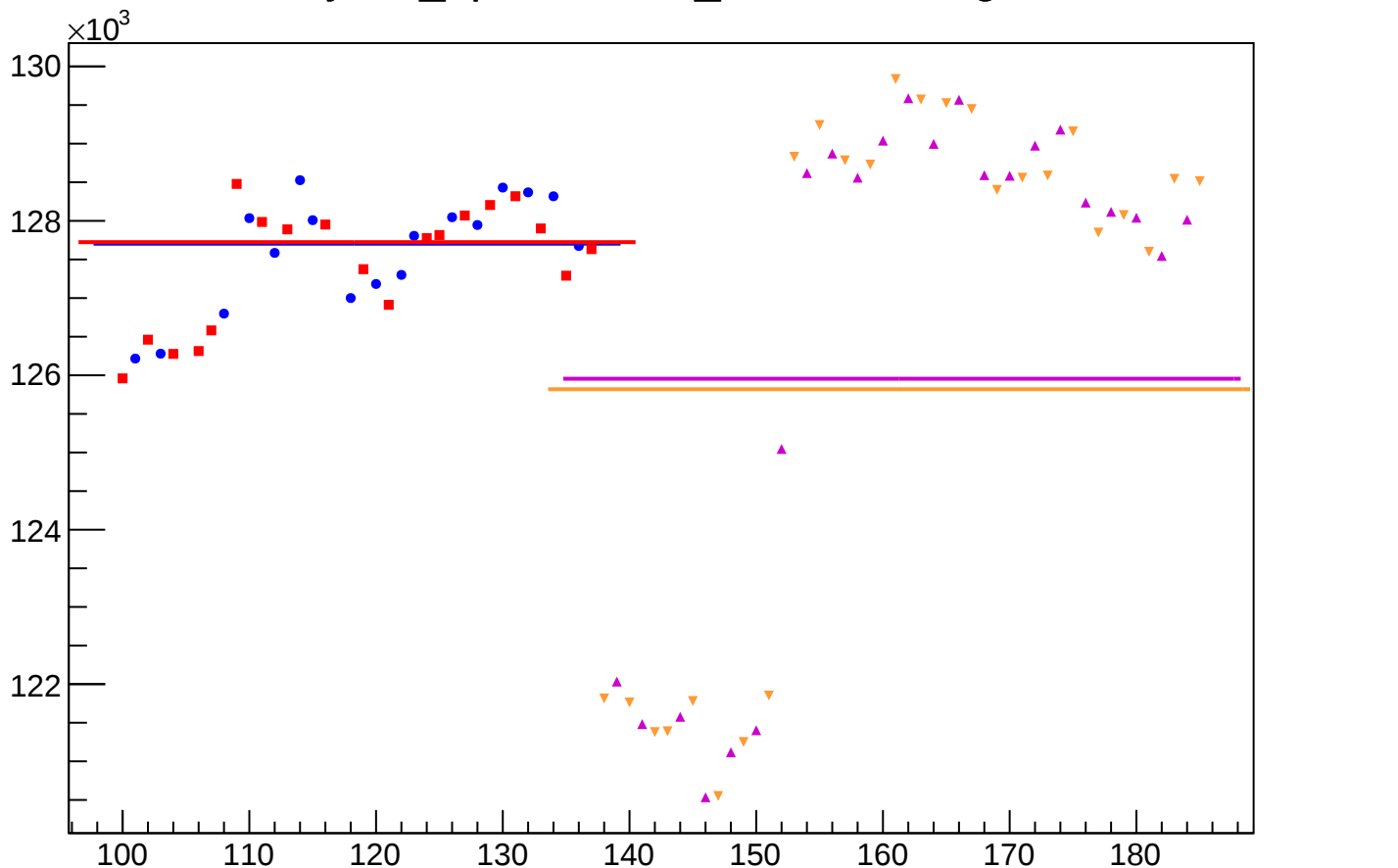
Left In: 193.558 $\pm$ 0.034 χ^2 /NDF: 963675.0/22

+ sign 163.329 $\pm$ 0.024 χ^2 /NDF: 4090575.4/41

All: 161.061 $\pm$ 0.017 χ^2 /NDF: 8748937.4/83

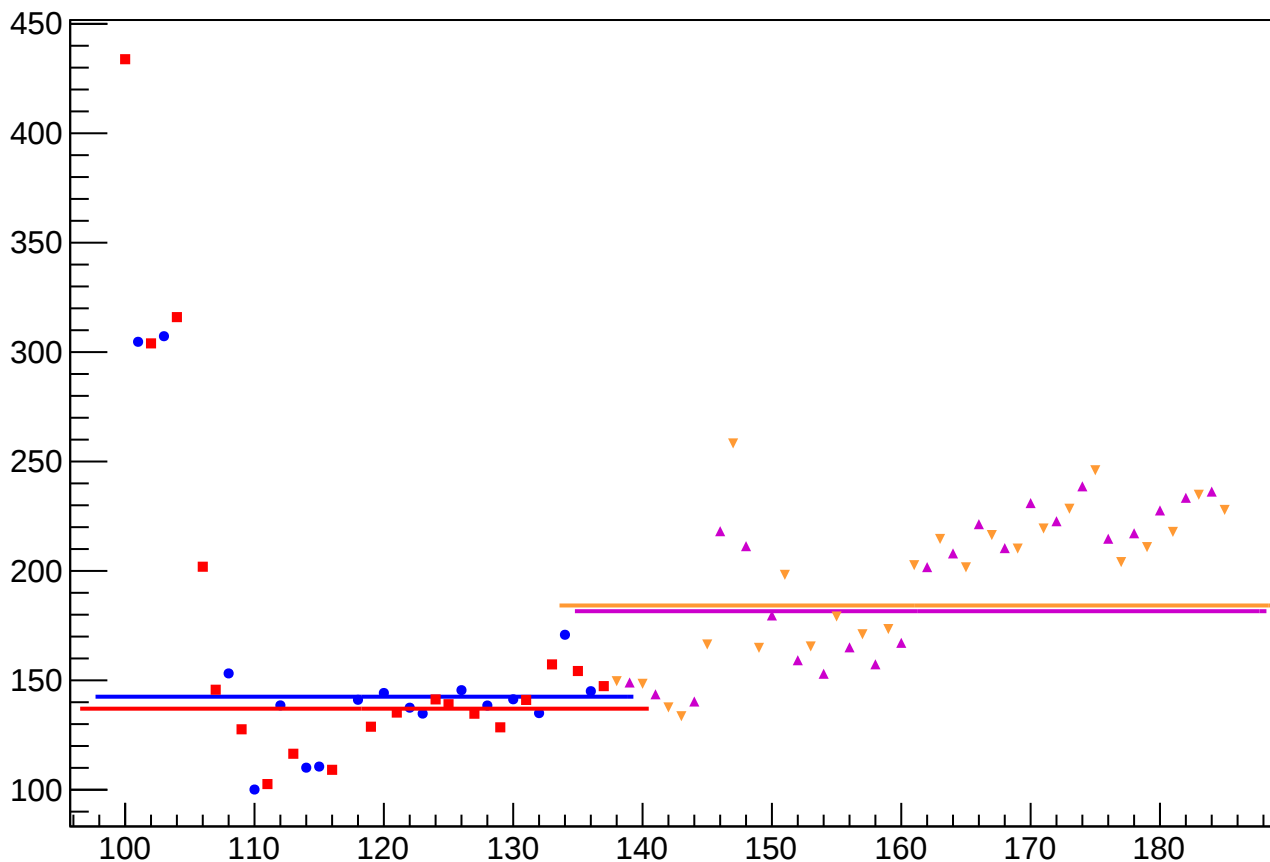
- sign 158.831 $\pm$ 0.024 χ^2 /NDF: 4641136.9/41

yield_bpm0l01WS_mean vs Slug



Right In: 127704.536 $\pm$ 0.058	χ^2 /NDF: 97614287.1/16	+ sign 126509.258 $\pm$ 0.035	χ^2 /NDF: 7405402584.0
Left Out: 125819.607 $\pm$ 0.044	χ^2 /NDF: 6642086483.6/24	All: 126589.993 $\pm$ 0.025	χ^2 /NDF: 139602253
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 $\pm$ 0.041 χ^2/NDF : 836220.9/16

Left Out: 184.210 $\pm$ 0.031 χ^2/NDF : 1116535.3/24

Right Out: 137.050 $\pm$ 0.039 χ^2/NDF : 956482.5/18

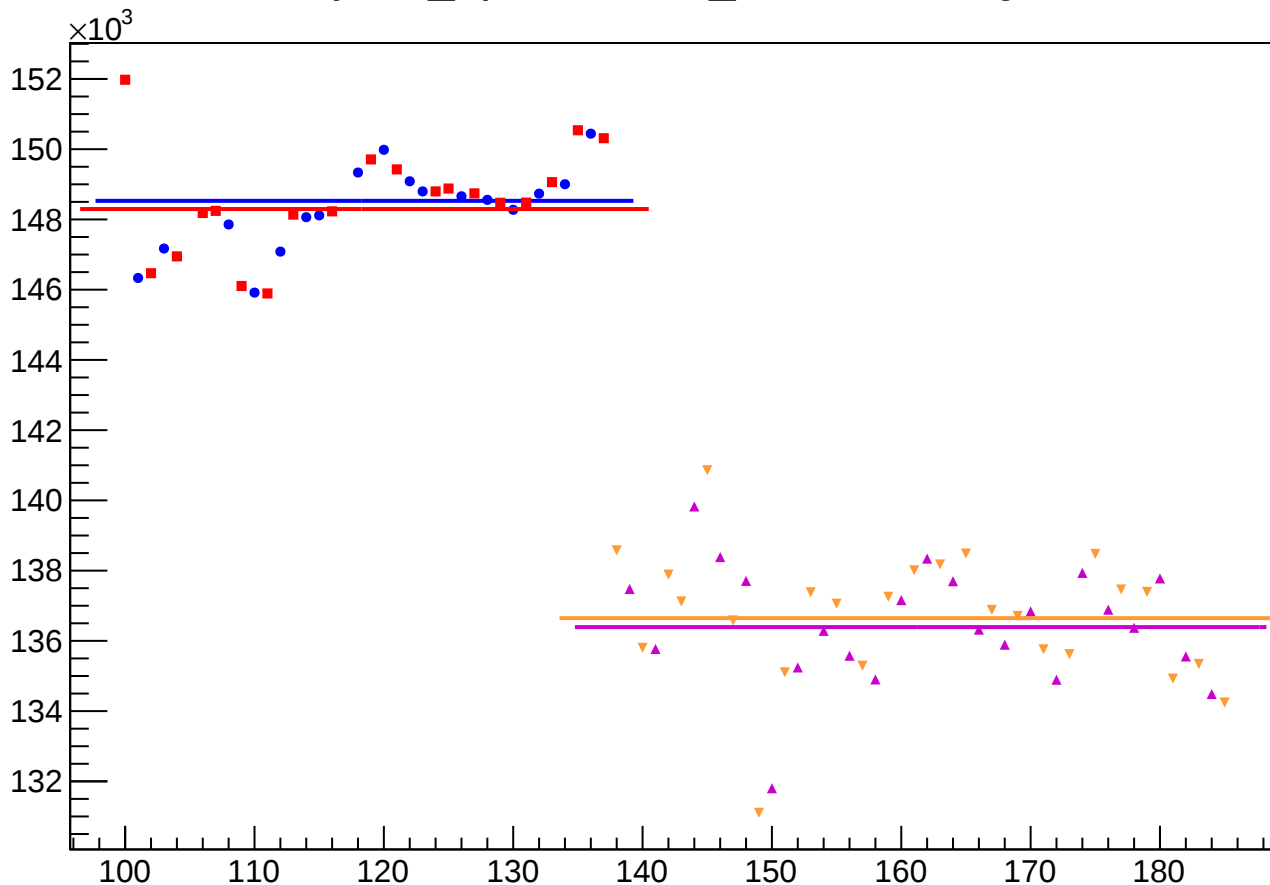
Left In: 181.596 $\pm$ 0.032 χ^2/NDF : 1103524.3/22

+ sign 168.958 $\pm$ 0.025 χ^2/NDF : 2603910.1/41

All: 166.261 $\pm$ 0.017 χ^2/NDF : 5483445.6/83

- sign 163.650 $\pm$ 0.024 χ^2/NDF : 2856414.1/41

yield_bpm0l02WS_mean vs Slug



Right In: 148529.735 ± 0.082 $\chi^2/\text{NDF}: 209963911.3/16$

Left Out: 136646.298 ± 0.065 $\chi^2/\text{NDF}: 929879996.0/24$

Right Out: 148296.414 ± 0.076 $\chi^2/\text{NDF}: 293172260.2/18$

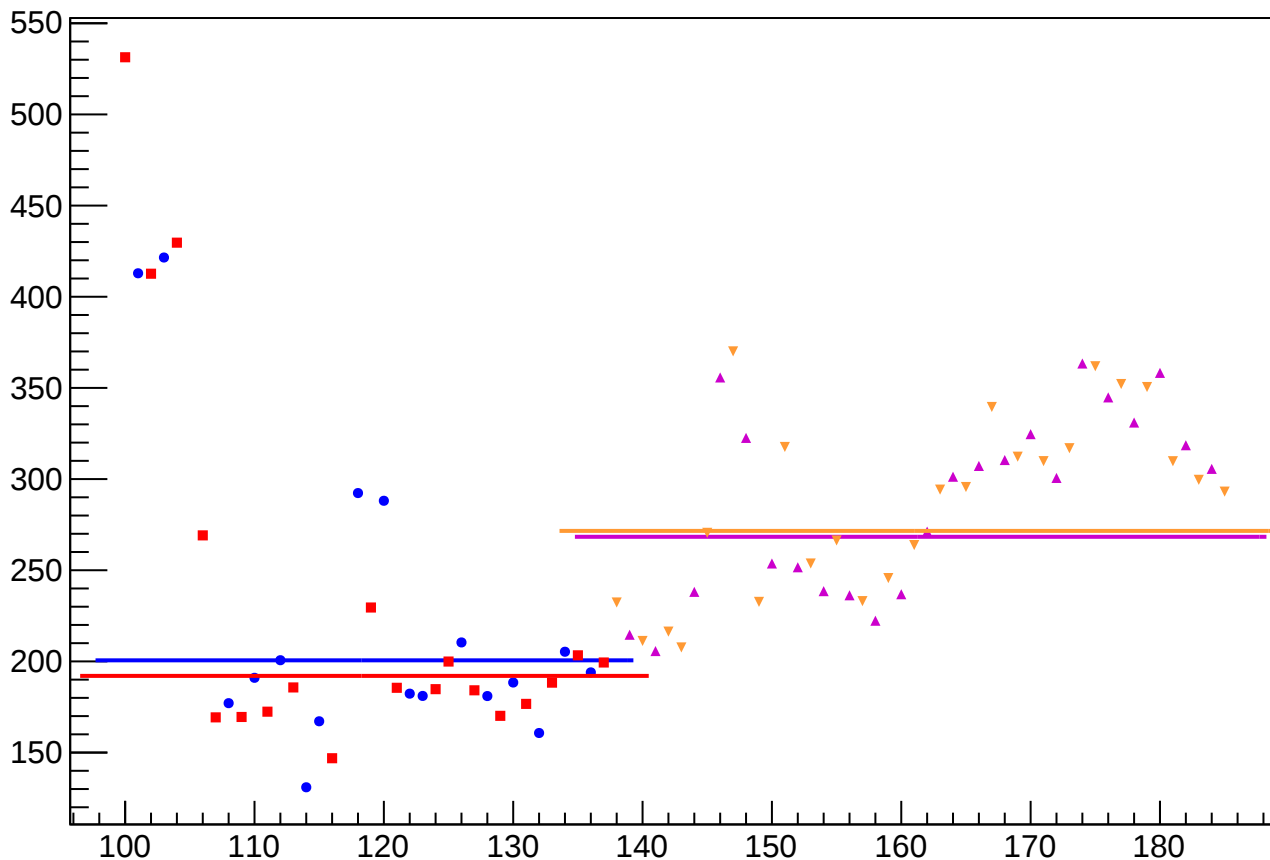
Left In: 136392.188 ± 0.066 $\chi^2/\text{NDF}: 701986841.4/22$

+ sign 141203.591 ± 0.051 $\chi^2/\text{NDF}: 14002624521.3$

All: 141341.373 ± 0.036 $\chi^2/\text{NDF}: 289131160$

- sign 141473.762 ± 0.050 $\chi^2/\text{NDF}: 14896151027.6$

yield_bpm0l02WS_rms vs Slug



Right In: 200.585 ± 0.058 χ^2/NDF : 935452.3/16

Left Out: 271.578 ± 0.046 χ^2/NDF : 1061733.4/24

Right Out: 192.054 ± 0.054 χ^2/NDF : 845373.5/18

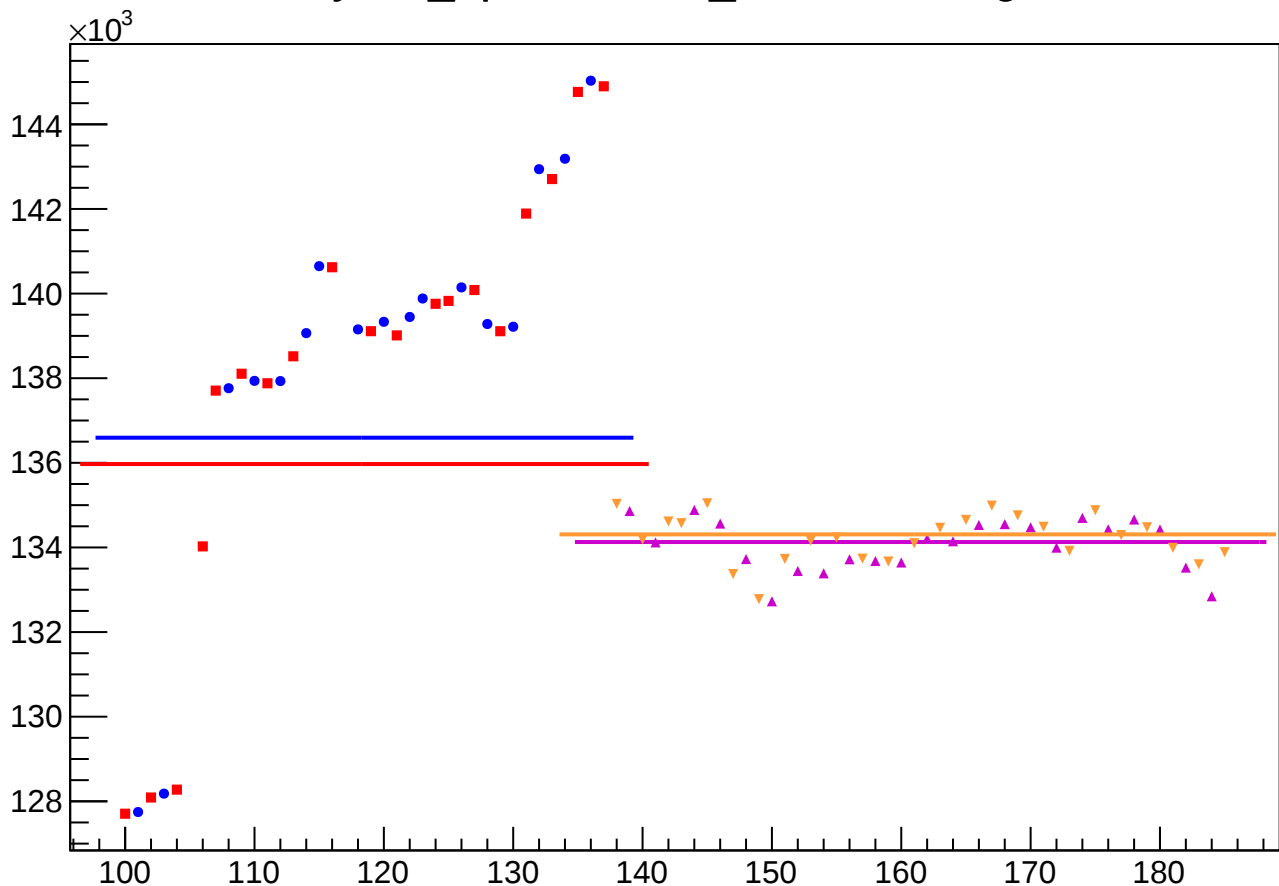
Left In: 268.344 ± 0.047 χ^2/NDF : 1077364.0/22

+ sign 244.352 ± 0.036 χ^2/NDF : 2915345.1/41

All: 239.979 ± 0.025 χ^2/NDF : 6008812.3/83

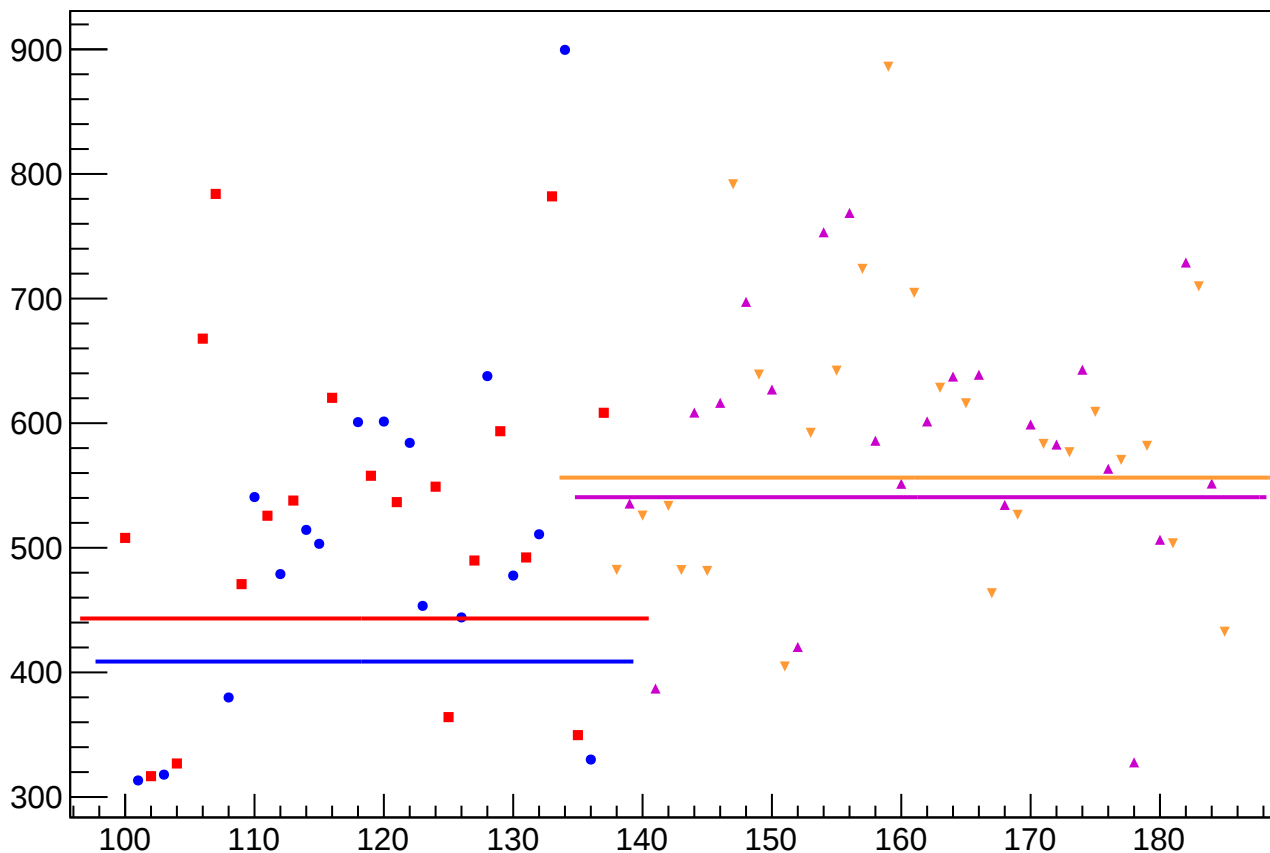
- sign 235.778 ± 0.035 χ^2/NDF : 3064575.6/41

yield_bpm0l03WS_mean vs Slug



Right In: 136593.896 ± 0.172 $\chi^2/\text{NDF}: 1493317567.5/16$
 Left Out: 134308.692 ± 0.139 $\chi^2/\text{NDF}: 15489084.6/24$ + sign 135213.005 ± 0.108 $\chi^2/\text{NDF}: 1615748836.9$
 Right Out: 135970.927 ± 0.183 $\chi^2/\text{NDF}: 1080815746.9/18$ All: 135024.285 ± 0.078 $\chi^2/\text{NDF}: 278175738$
 Left In: 134128.172 ± 0.142 $\chi^2/\text{NDF}: 15533736.2/22$ - sign 134820.949 ± 0.112 $\chi^2/\text{NDF}: 1159672230.3/$

yield_bpm0l03WS_rms vs Slug



Right In: 408.721+/-0.121 χ^2/NDF : 830375.0/16

Left Out: 556.317+/-0.098 χ^2/NDF :1006274.0/24

Right Out: 443.274+/-0.129 χ^2/NDF : 916555.3/18

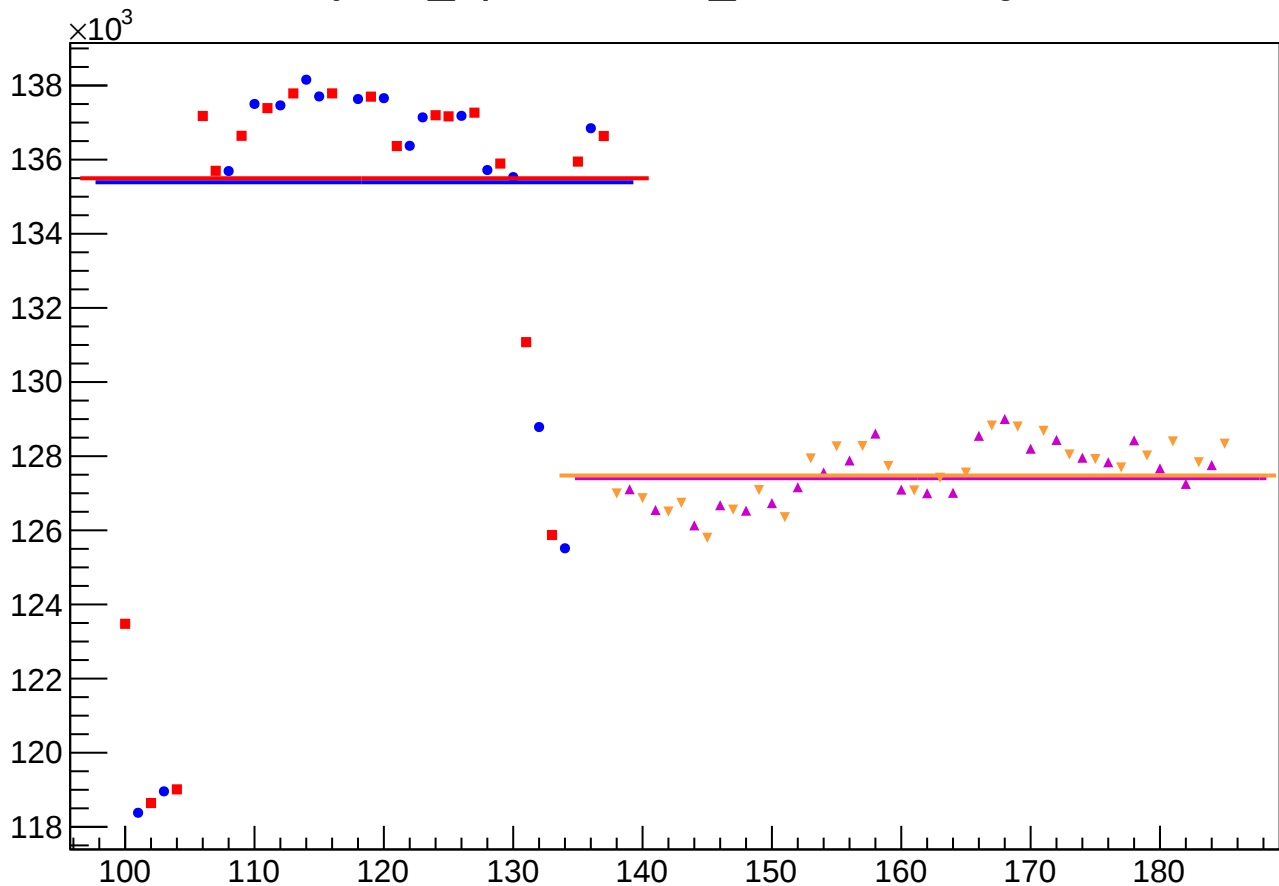
Left In: 540.607+/-0.100 χ^2/NDF :1409015.2/22

+ sign 497.910+/-0.076 χ^2/NDF : 2728882.0/41

All: 500.848+/-0.055 χ^2/NDF : 5410853.2/83

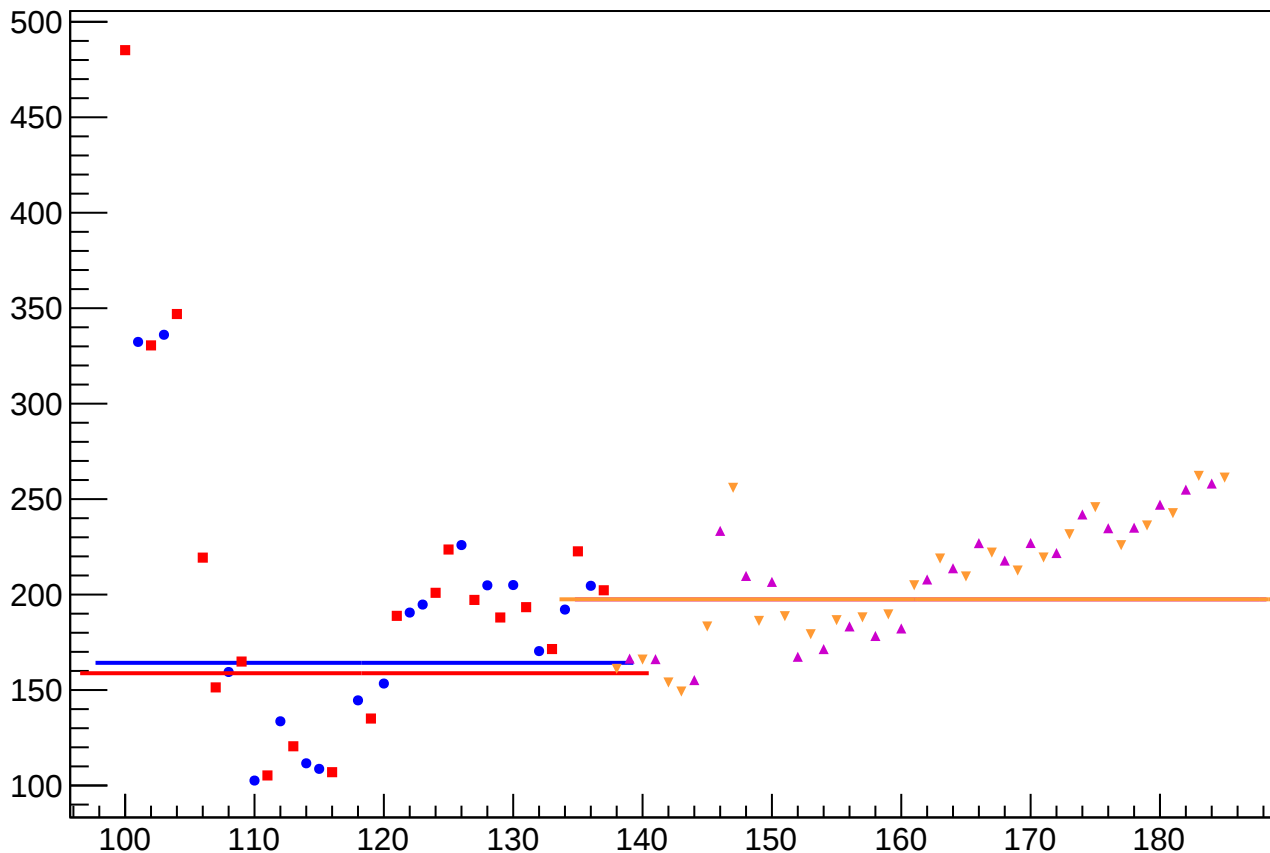
- sign 504.015+/-0.079 χ^2/NDF : 2678898.1/41

yield_bpm0l04WS_mean vs Slug



Right In: 135389.443 $\pm$ 0.068 χ^2 /NDF: 4578120272.5/16
 Left Out: 127478.945 $\pm$ 0.047 χ^2 /NDF: 301236462.7/24
 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 130021.730 $\pm$ 0.039 χ^2 /NDF: 13966888326.
 All: 130173.571 $\pm$ 0.027 χ^2 /NDF: 29099194
 - sign 130324.759 $\pm$ 0.039 χ^2 /NDF: 15101670839.9

yield_bpm0l04WS_rms vs Slug



Right In: 164.250 $\pm$ 0.048 χ^2 /NDF: 1227814.4/16

Left Out: 197.520 $\pm$ 0.033 χ^2 /NDF: 847394.5/24

Right Out: 158.804 $\pm$ 0.046 χ^2 /NDF: 1376920.6/18

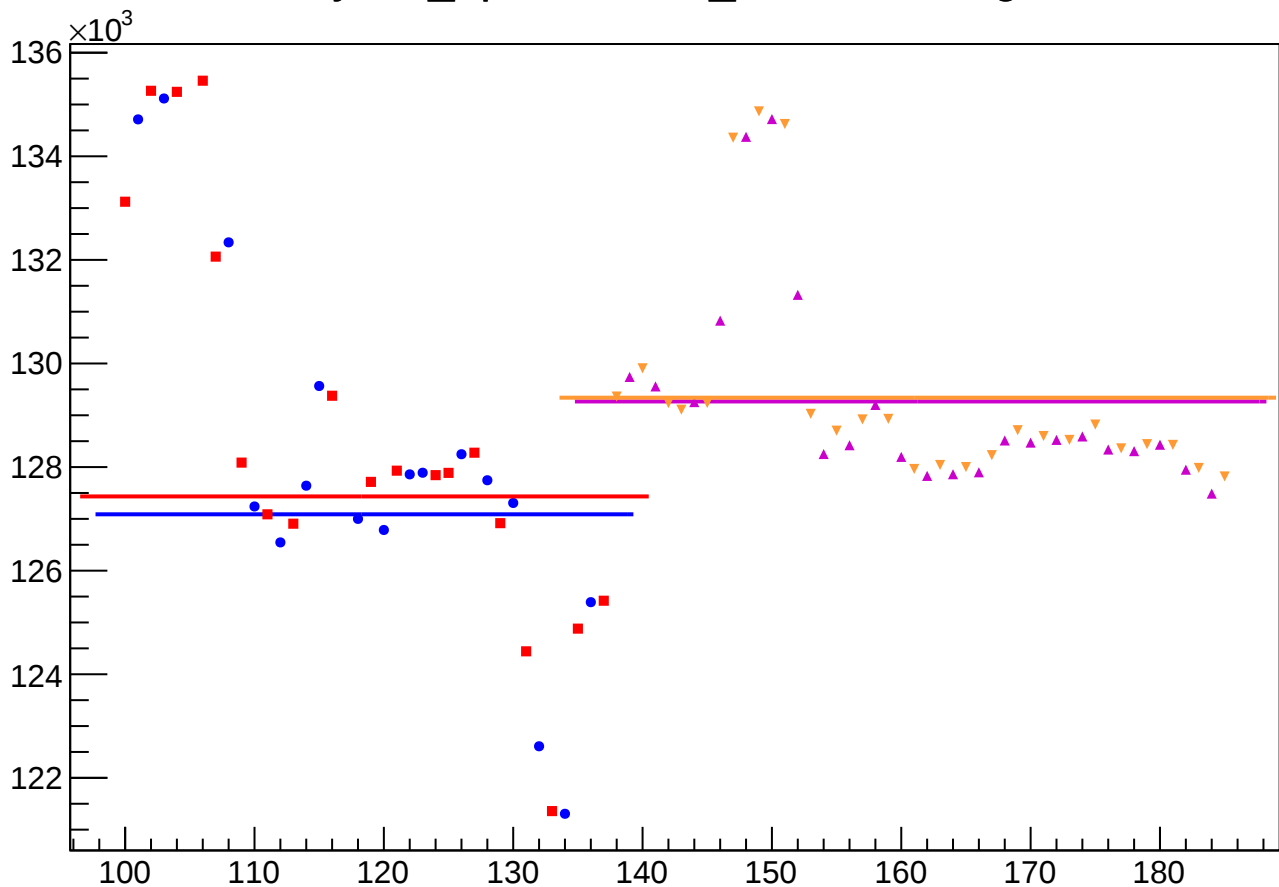
Left In: 197.471 $\pm$ 0.034 χ^2 /NDF: 791577.5/22

+ sign 186.825 $\pm$ 0.027 χ^2 /NDF: 2396699.0/41

All: 185.172 $\pm$ 0.019 χ^2 /NDF: 5033506.6/83

- sign 183.526 $\pm$ 0.027 χ^2 /NDF: 2629546.6/41

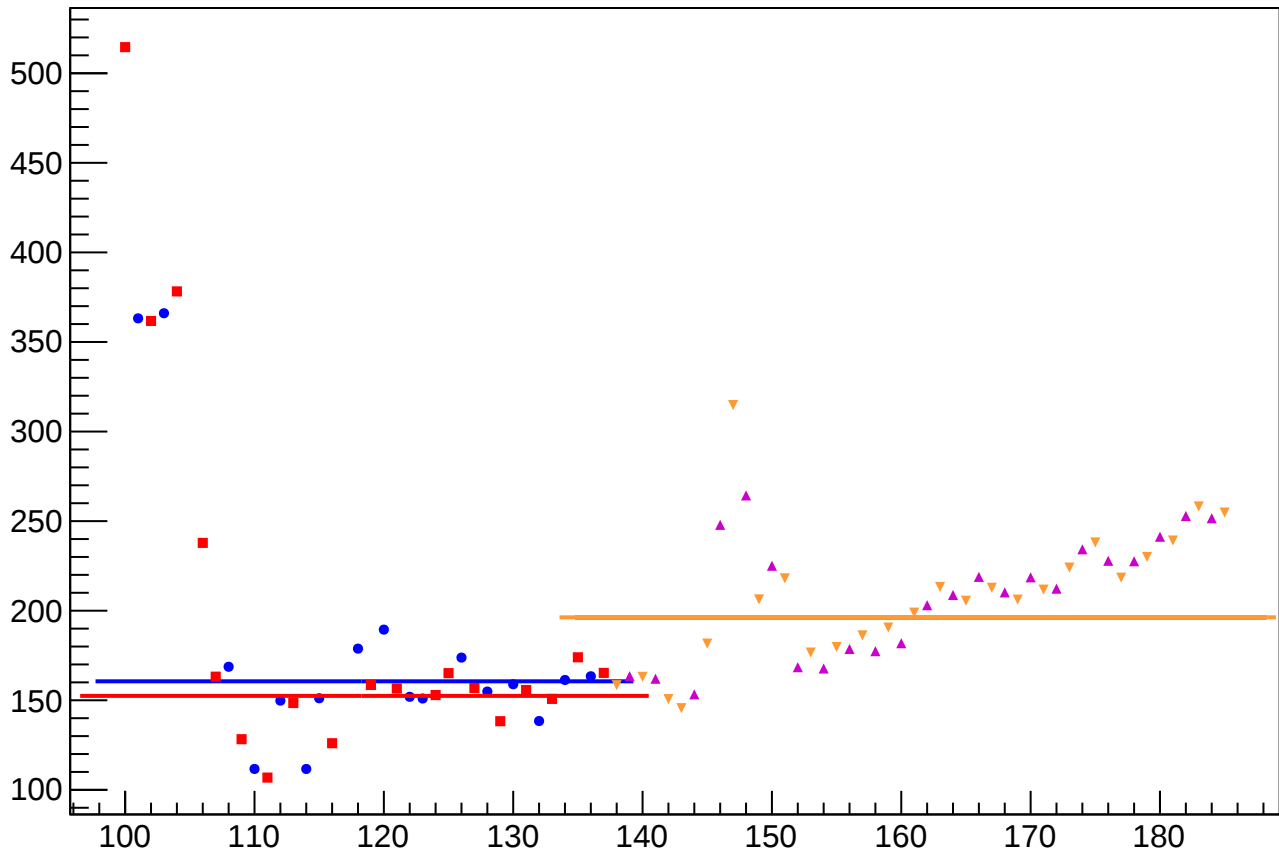
yield_bpm0l05WS_mean vs Slug



Right In: 127088.167 ± 0.066 $\chi^2/\text{NDF}: 1716591601.9/16$
 Left Out: 129339.737 ± 0.047 $\chi^2/\text{NDF}: 1450213577.8/24$
 Right Out: 127433.358 ± 0.062 $\chi^2/\text{NDF}: 2081739412.0/18$
 Left In: 129266.909 ± 0.048 $\chi^2/\text{NDF}: 1213762773.1/22$

+ sign 128590.519 ± 0.038 $\chi^2/\text{NDF}: 3933161099.6$
 All: 128580.675 ± 0.027 $\chi^2/\text{NDF}: 777903203$
 - sign 128571.032 ± 0.038 $\chi^2/\text{NDF}: 3845740340.6$

yield_bpm0l05WS_rms vs Slug



Right In: 160.589 $\pm$ 0.047 χ^2 /NDF: 942522.1/16

Left Out: 196.305 $\pm$ 0.033 χ^2 /NDF: 971725.3/24

Right Out: 152.452 $\pm$ 0.044 χ^2 /NDF: 1084973.3/18

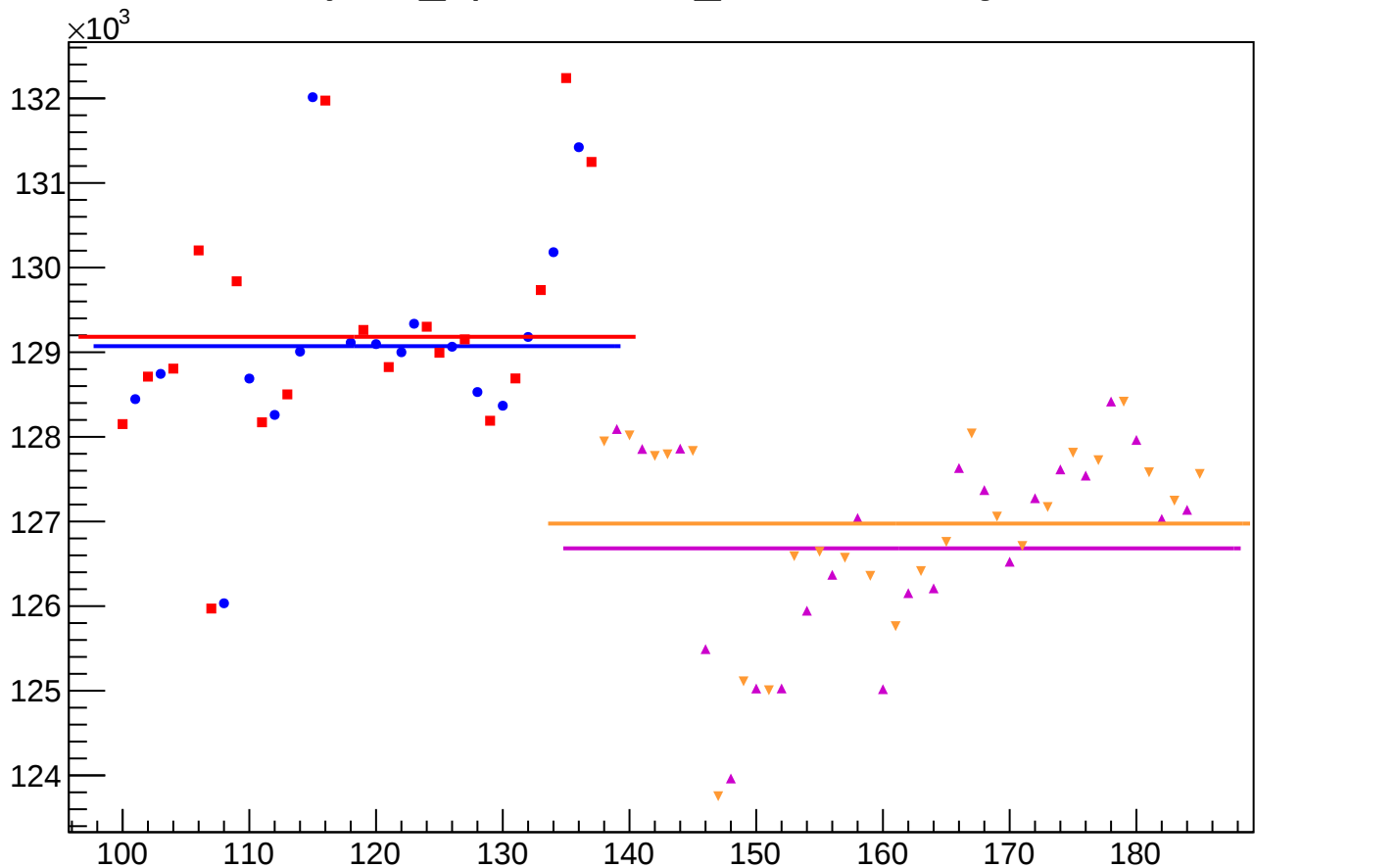
Left In: 196.186 $\pm$ 0.034 χ^2 /NDF: 898058.0/22

+ sign 184.420 $\pm$ 0.027 χ^2 /NDF: 2299932.5/41

All: 181.979 $\pm$ 0.019 χ^2 /NDF: 4925120.1/83

- sign 179.588 $\pm$ 0.027 χ^2 /NDF: 2609123.5/41

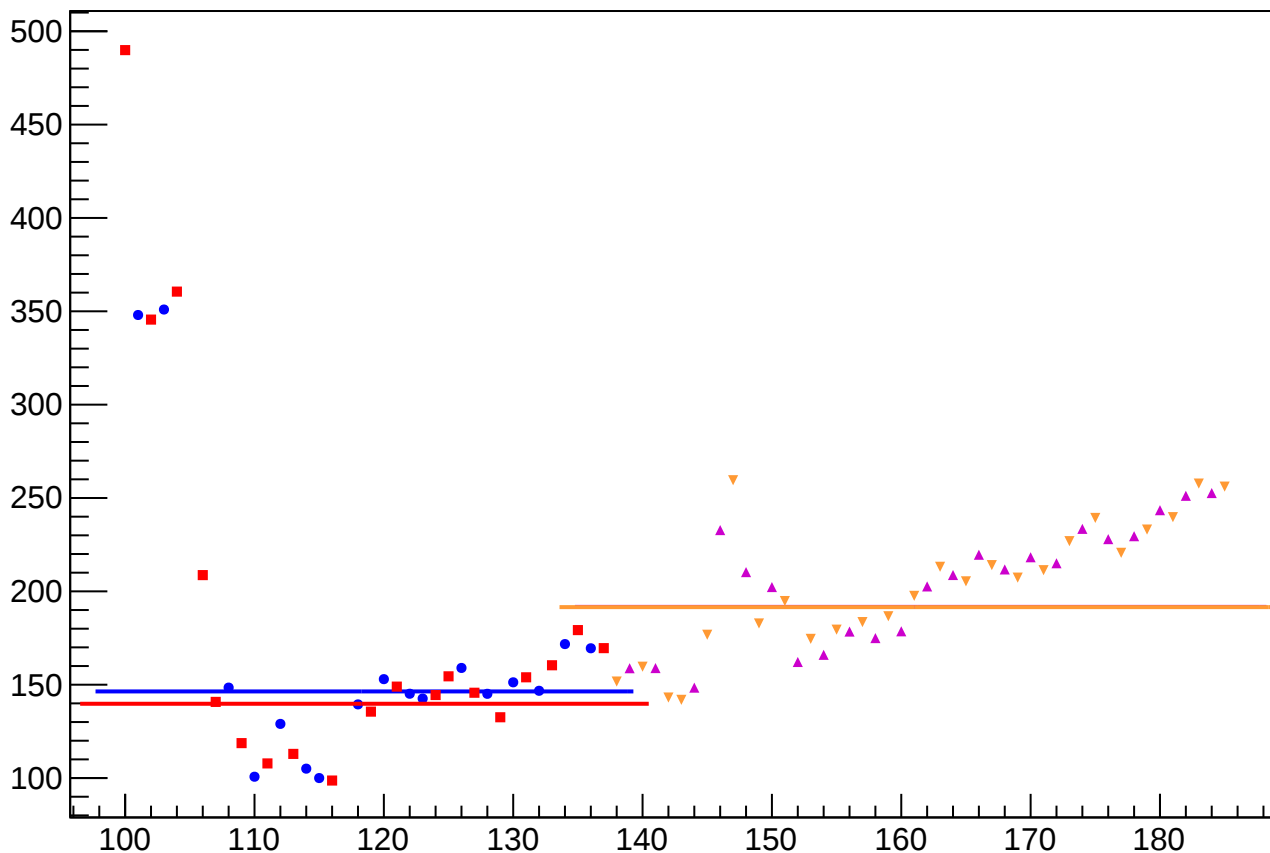
yield_bpm0l06WS_mean vs Slug



Right In: 129071.617 ± 0.060 $\chi^2/\text{NDF}: 476291091.1/16$
 Left Out: 126975.686 ± 0.046 $\chi^2/\text{NDF}: 528606175.7/24$
 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 127741.251 ± 0.036 $\chi^2/\text{NDF}: 1772436779.7/16$
 All: 127726.915 ± 0.026 $\chi^2/\text{NDF}: 422480692.0/16$
 - sign 127712.889 ± 0.036 $\chi^2/\text{NDF}: 2452063720.1/16$

yield_bpm0l06WS_rms vs Slug



Right In: 146.401 ± 0.043 χ^2/NDF : 1066973.0/16

Left Out: 191.552 ± 0.032 χ^2/NDF : 983867.3/24

Right Out: 139.793 ± 0.040 χ^2/NDF : 1200865.0/18

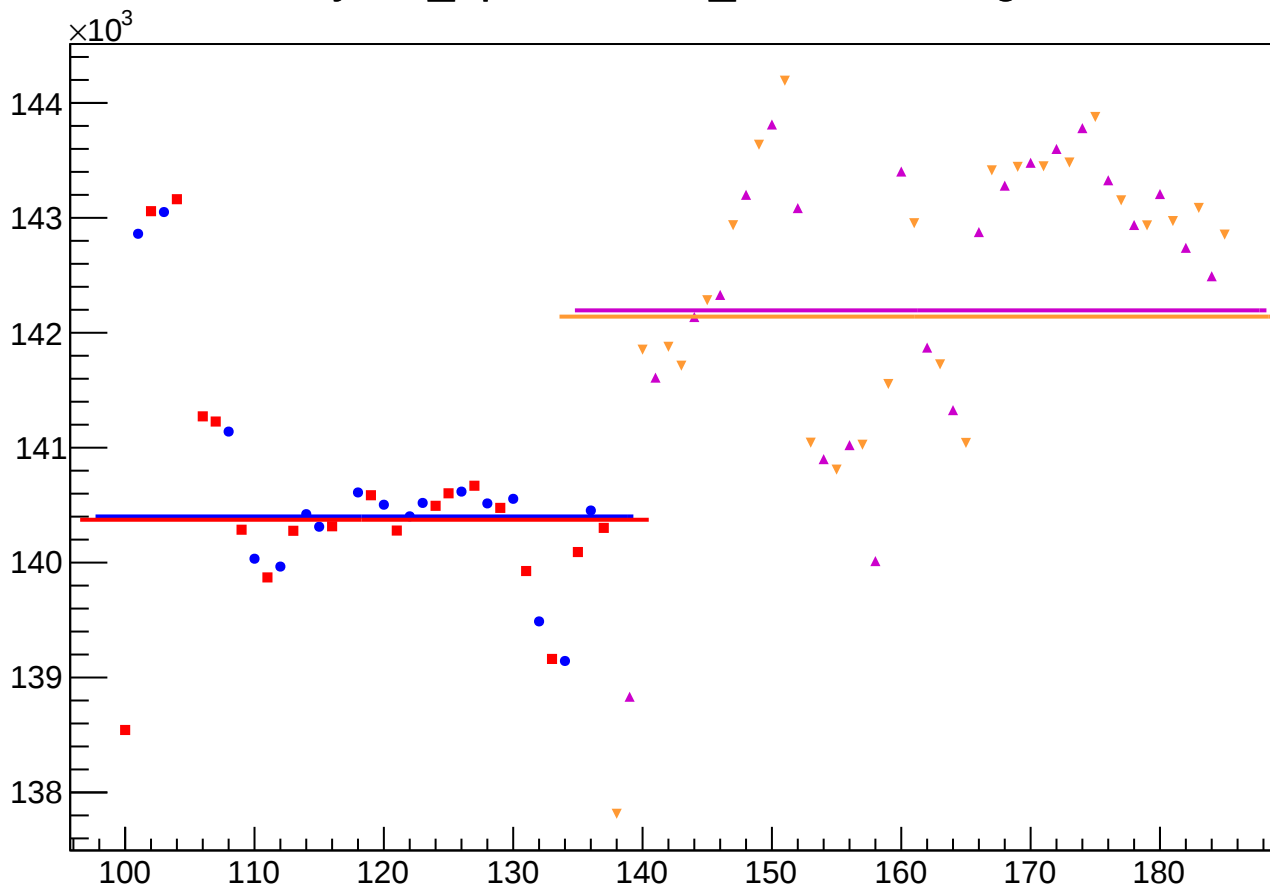
Left In: 191.683 ± 0.033 χ^2/NDF : 864384.9/22

+ sign 175.060 ± 0.026 χ^2/NDF : 2763204.3/41

All: 172.653 ± 0.018 χ^2/NDF : 5850694.5/83

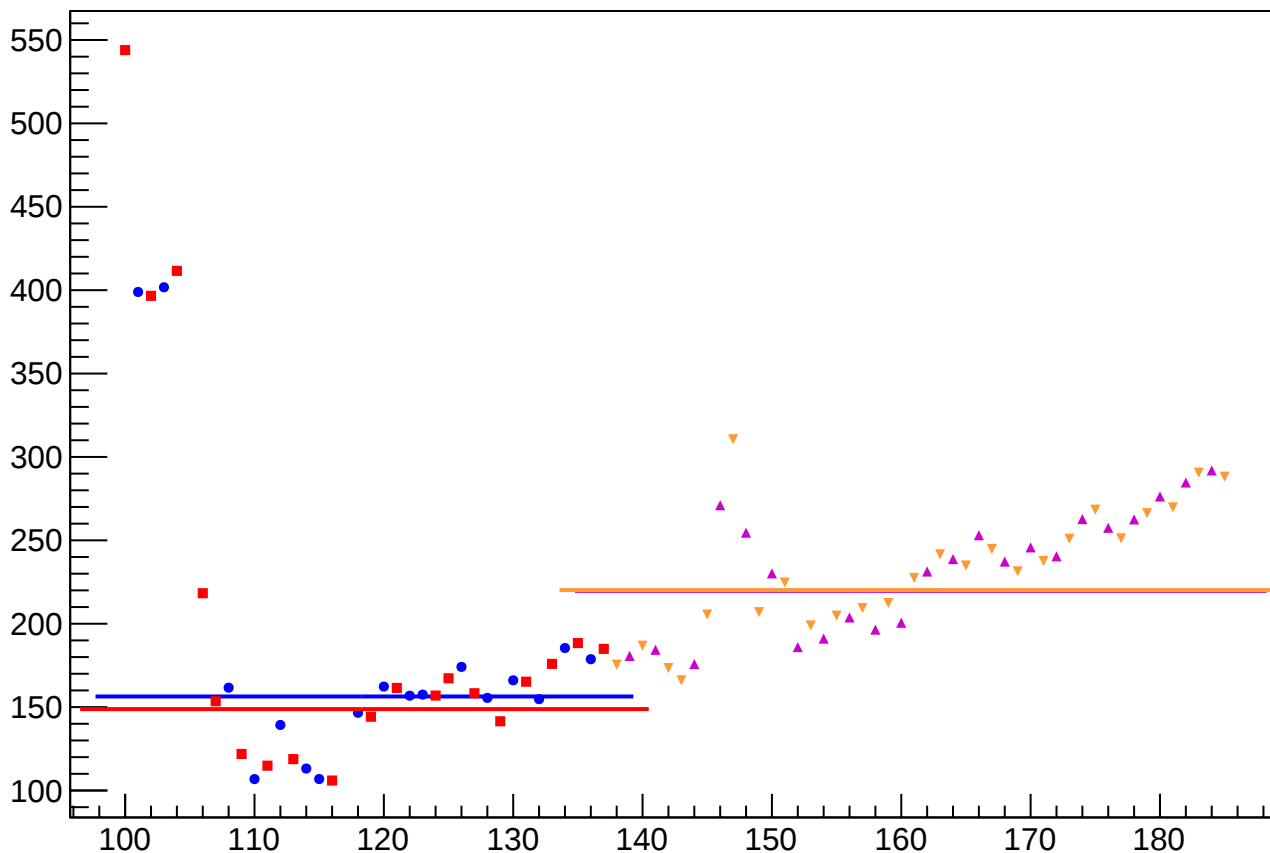
- sign 170.298 ± 0.025 χ^2/NDF : 3070214.5/41

yield_bpm0l07WS_mean vs Slug



Right In: 140401.573+/-0.064	χ^2/NDF : 88055814.0/16	+ sign 141446.592+/-0.041	χ^2/NDF : 1340122325.4/16
Left Out: 142140.551+/-0.053	χ^2/NDF : 814749519.4/24	All: 141412.821+/-0.029	χ^2/NDF : 259713902.4/24
Right Out: 140372.890+/-0.060	χ^2/NDF : 99844698.8/18	- sign 141380.161+/-0.040	χ^2/NDF : 1255663816.4/18
Left In: 142195.020+/-0.054	χ^2/NDF : 644030906.9/22		

yield_bpm0l07WS_rms vs Slug



Right In: 156.377 $\pm$ 0.046 χ^2 /NDF: 1154470.5/16

Left Out: 220.186 $\pm$ 0.037 χ^2 /NDF: 864313.2/24

Right Out: 148.800 $\pm$ 0.042 χ^2 /NDF: 1304529.7/18

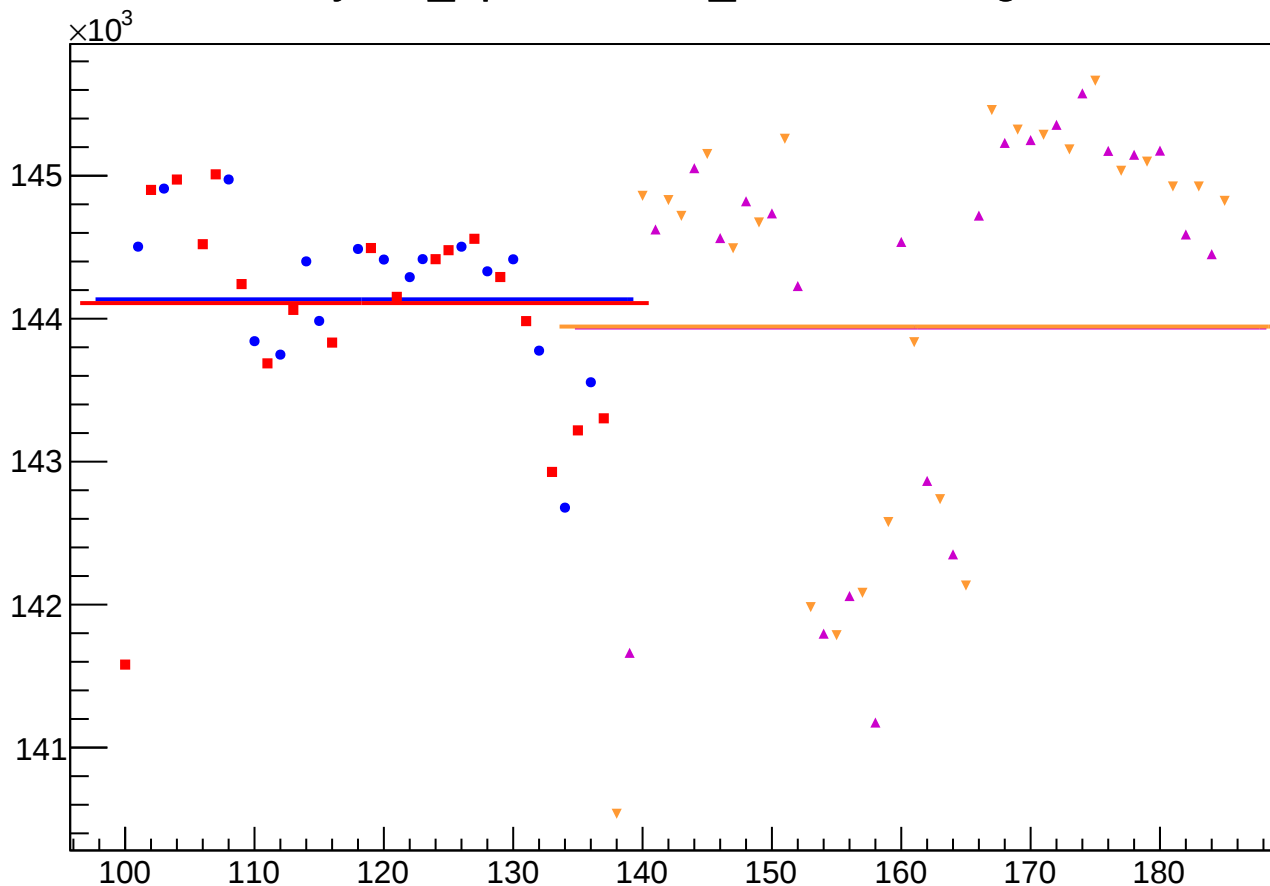
Left In: 219.685 $\pm$ 0.038 χ^2 /NDF: 812745.1/22

+ sign 194.722 $\pm$ 0.029 χ^2 /NDF: 3196401.4/41

All: 191.297 $\pm$ 0.020 χ^2 /NDF: 6890562.8/83

- 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: 143944.943 ± 0.052 $\chi^2/\text{NDF}: 863019964.2/24$

Right Out: 144109.137 ± 0.062 $\chi^2/\text{NDF}: 65233259.1/18$

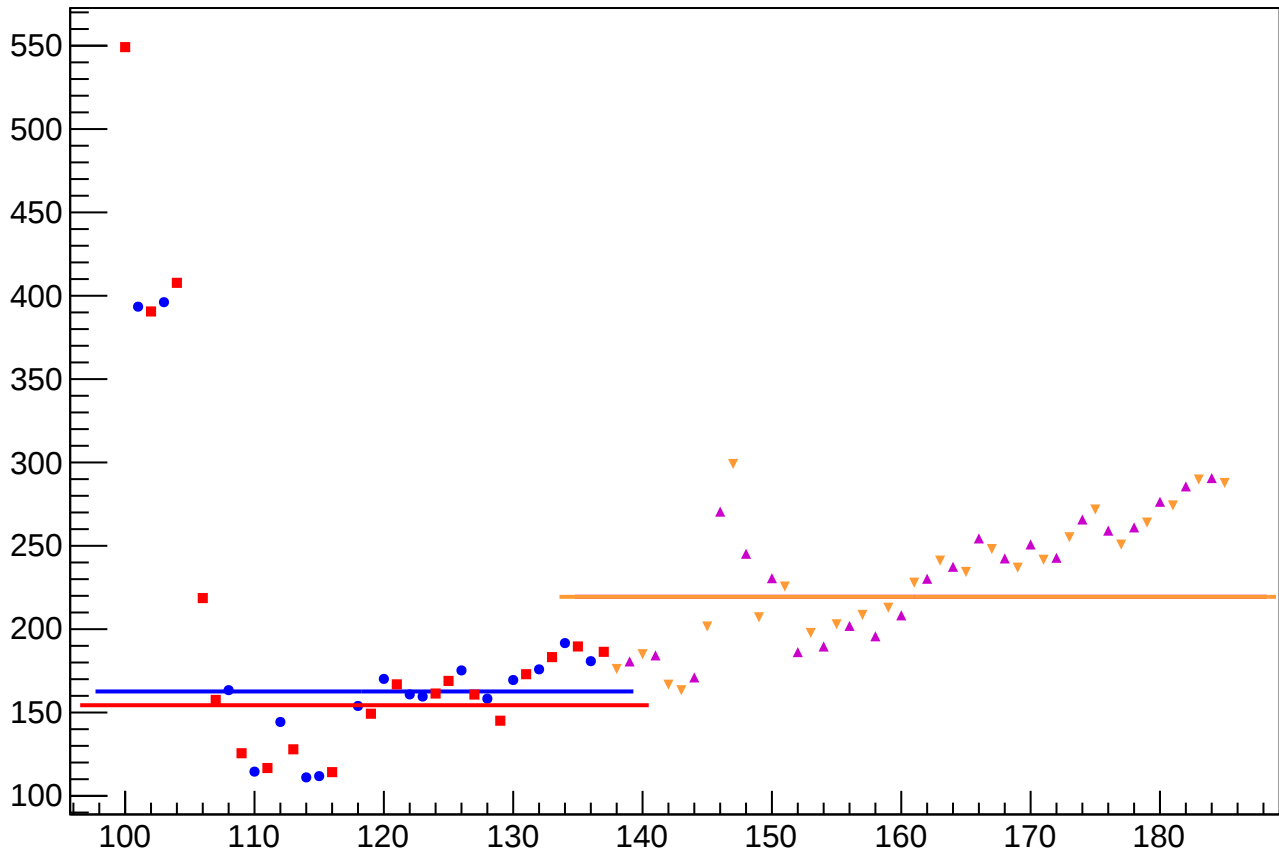
Left In: 143938.288 ± 0.054 $\chi^2/\text{NDF}: 719814685.6/22$

+ sign 144017.323 ± 0.041 $\chi^2/\text{NDF}: 915076670.6/4$

All: 144014.561 ± 0.029 $\chi^2/\text{NDF}: 170447068$

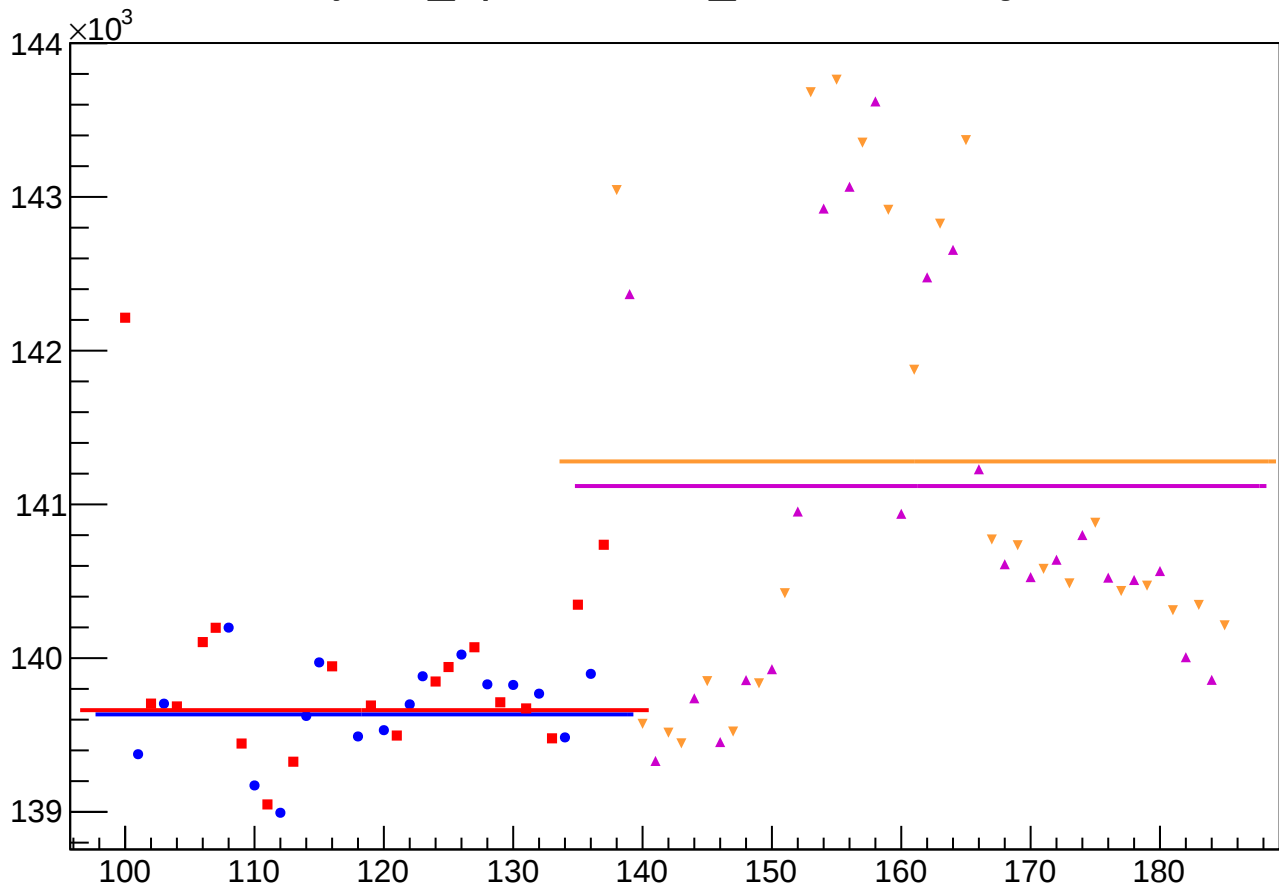
- sign 144011.880 ± 0.041 $\chi^2/\text{NDF}: 789385168.3/4$

yield_bpm0l08WS_rms vs Slug



Right In: 162.634+/-0.047	χ^2/NDF : 1069524.2/16	+ sign 197.820+/-0.029	χ^2/NDF : 2887341.3/41
Left Out: 219.395+/-0.037	χ^2/NDF : 924678.7/24	All: 194.566+/-0.020	χ^2/NDF : 6233888.1/83
Right Out: 154.377+/-0.044	χ^2/NDF : 1214462.2/18	- sign 191.407+/-0.029	χ^2/NDF : 3321995.5/41
Left In: 219.426+/-0.038	χ^2/NDF : 850089.5/22		

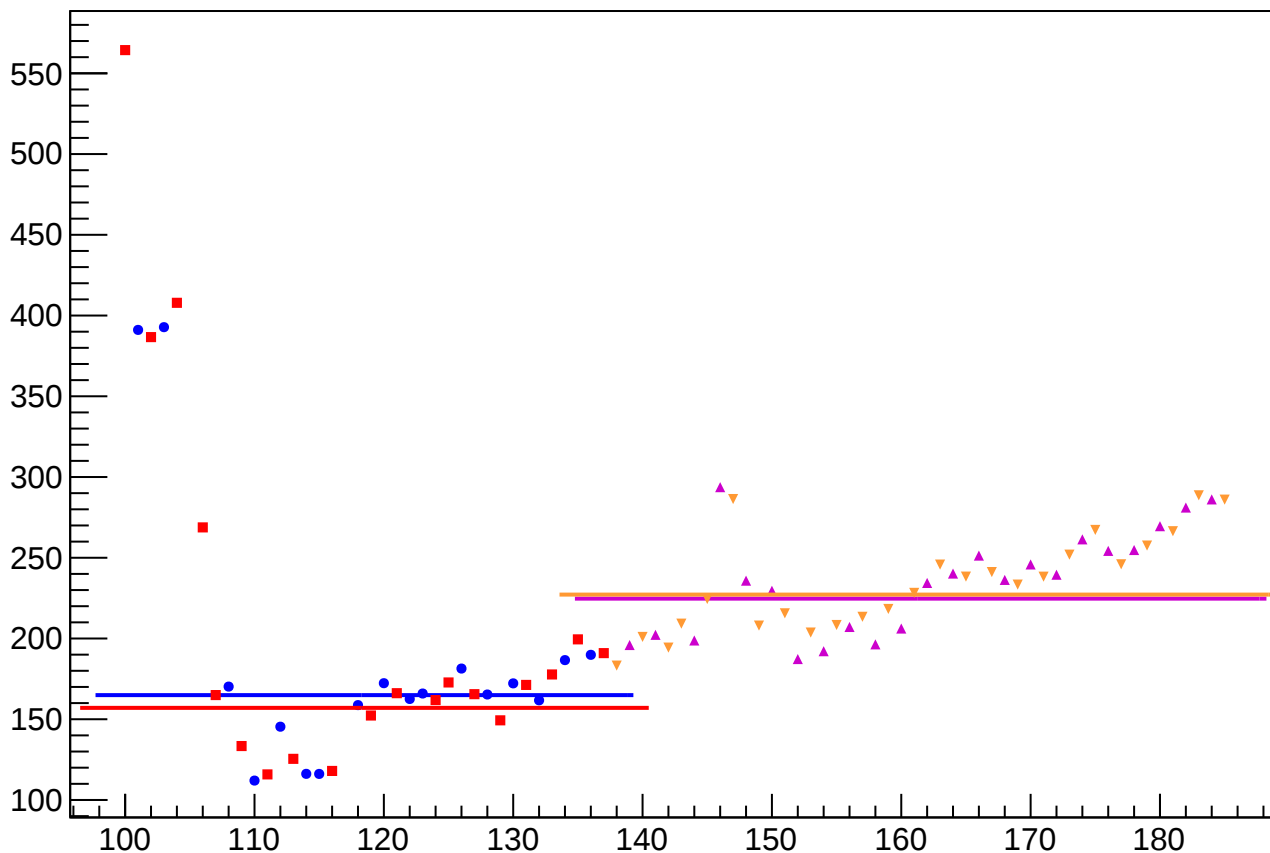
yield_bpm0l09WS_mean vs Slug



Right In: 139634.248 $\pm$ 0.068 χ^2 /NDF: 24816599.6/16
 Left Out: 141279.583 $\pm$ 0.054 χ^2 /NDF: 788962486.7/24
 Right Out: 139661.708 $\pm$ 0.063 χ^2 /NDF: 38354381.9/18
 Left In: 141119.484 $\pm$ 0.055 χ^2 /NDF: 565312728.1/22

+ sign 140644.480 $\pm$ 0.042 χ^2 /NDF: 1174077271.9
 All: 140566.268 $\pm$ 0.030 χ^2 /NDF: 208833389
 - sign 140490.928 $\pm$ 0.041 χ^2 /NDF: 907512596.5/4

yield_bpm0l09WS_rms vs Slug



Right In: 164.938 ± 0.048 χ^2/NDF : 1064403.1/16

Left Out: 227.193 ± 0.038 χ^2/NDF : 486286.9/24

Right Out: 157.047 ± 0.045 χ^2/NDF : 1242666.6/18

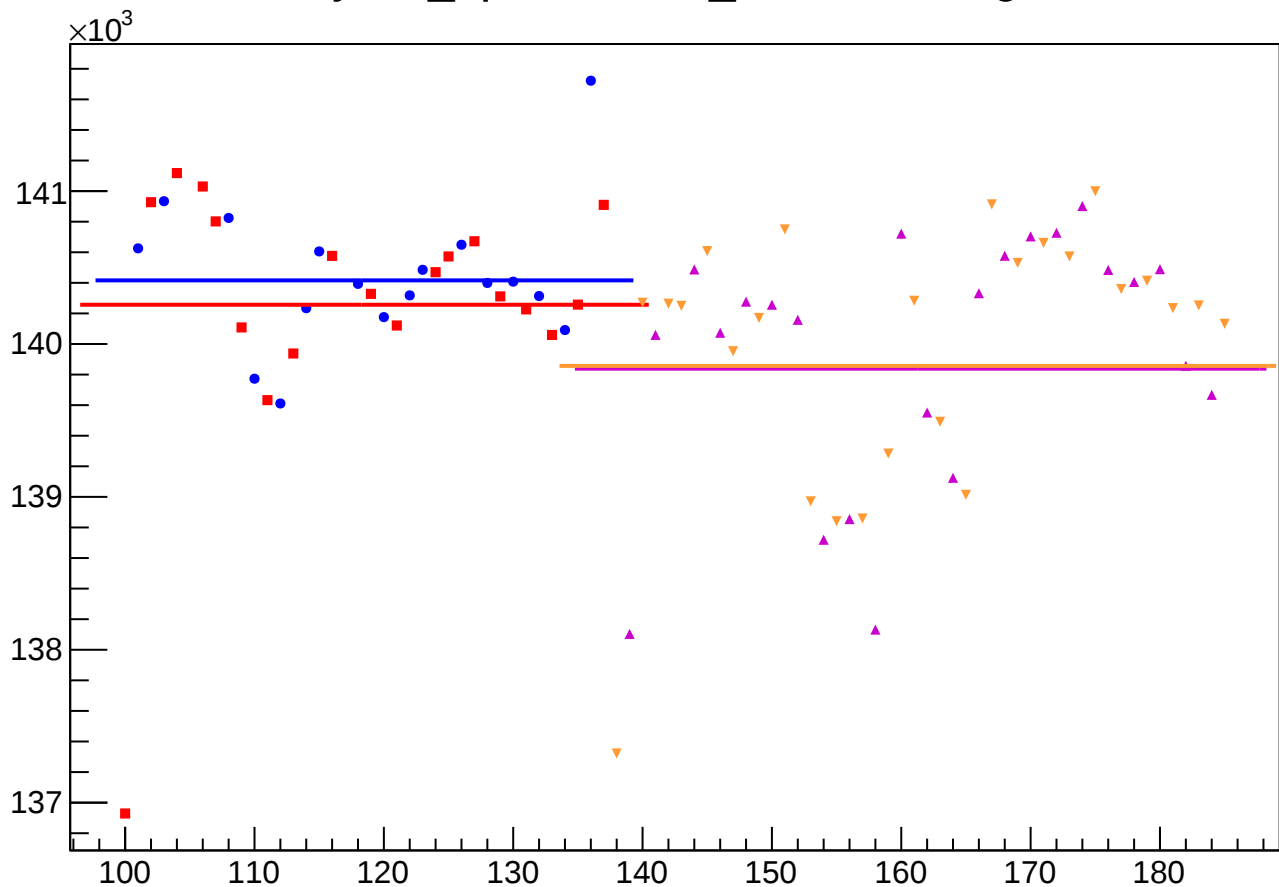
Left In: 224.686 ± 0.039 χ^2/NDF : 578366.0/22

+ sign 203.162 ± 0.030 χ^2/NDF : 2582340.1/41

All: 199.271 ± 0.021 χ^2/NDF : 5745026.4/83

- sign 195.522 ± 0.029 χ^2/NDF : 3129295.7/41

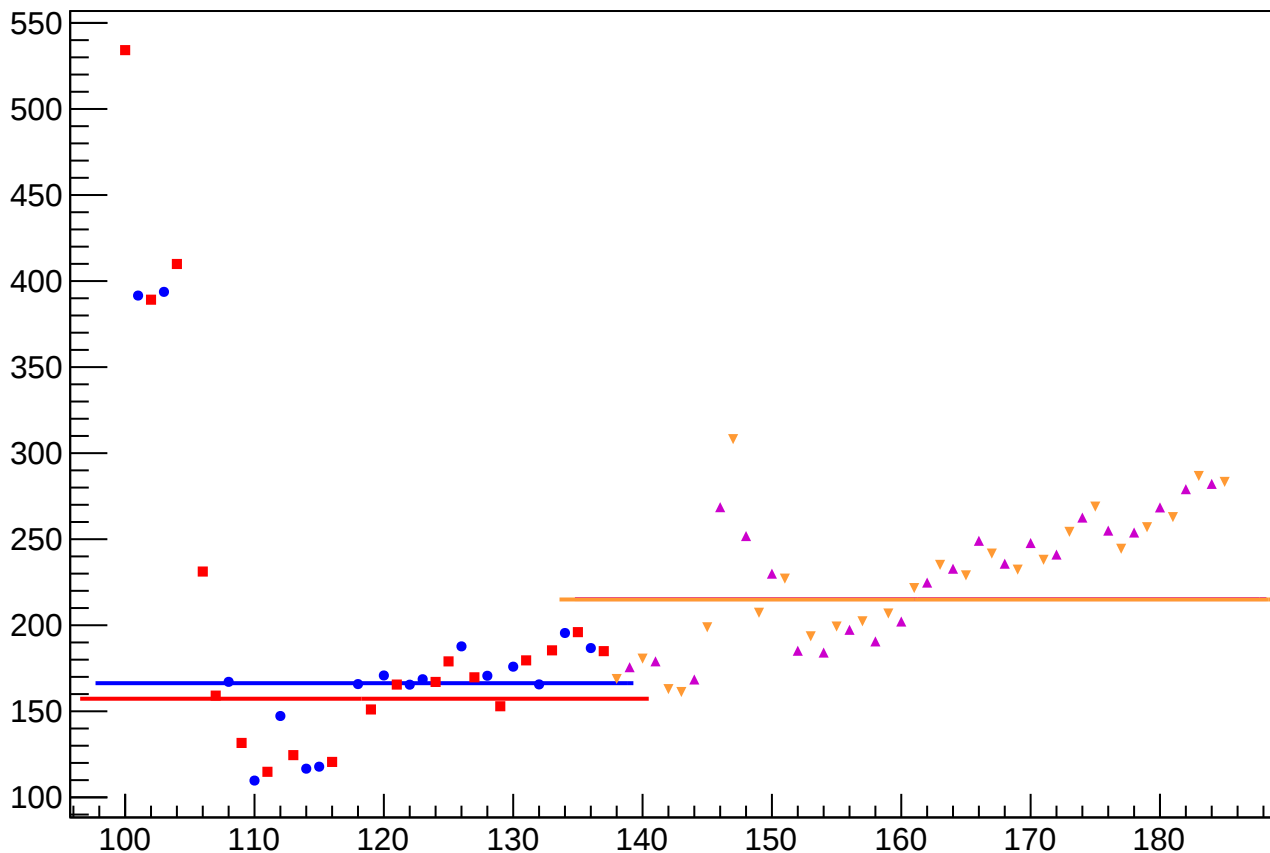
yield_bpm0l10WS_mean vs Slug



Right In: 140416.183 ± 0.069 $\chi^2/\text{NDF}: 69956735.1/16$
 Left Out: 139856.721 ± 0.051 $\chi^2/\text{NDF}: 329720381.8/24$
 Right Out: 140256.621 ± 0.063 $\chi^2/\text{NDF}: 38038769.4/18$
 Left In: 139838.724 ± 0.053 $\chi^2/\text{NDF}: 279573689.3/22$

+ sign 140057.796 ± 0.041 $\chi^2/\text{NDF}: 442402937.7/4$
 All: 140033.869 ± 0.029 $\chi^2/\text{NDF}: 786448390.0/10$
 - sign 140010.585 ± 0.041 $\chi^2/\text{NDF}: 343375676.0/4$

yield_bpm0l10WS_rms vs Slug



Right In: 166.338 $\pm$ 0.048 χ^2 /NDF: 1081005.6/16

Left Out: 214.973 $\pm$ 0.036 χ^2 /NDF: 974785.8/24

Right Out: 157.302 $\pm$ 0.045 χ^2 /NDF: 1226210.5/18

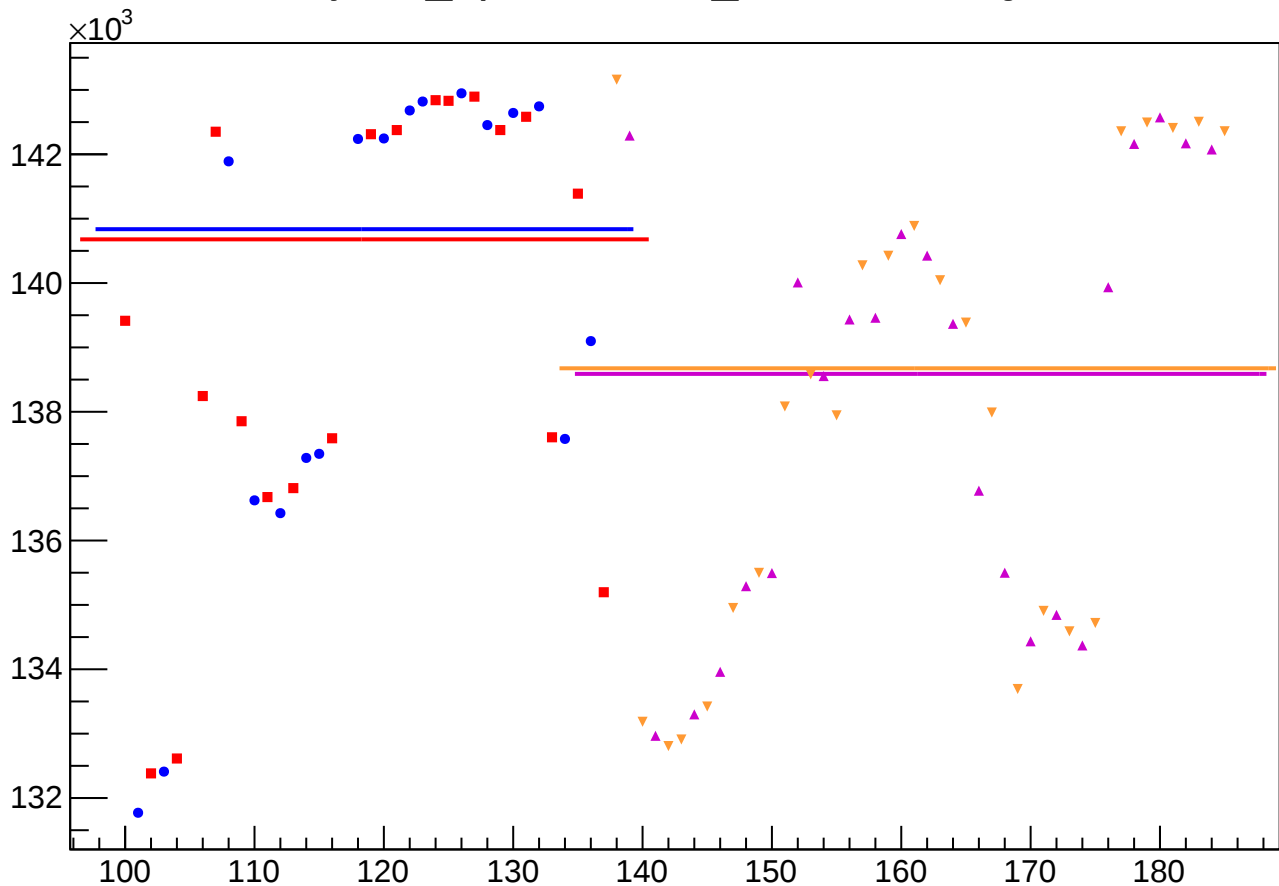
Left In: 215.222 $\pm$ 0.037 χ^2 /NDF: 881945.0/22

+ sign 197.493 $\pm$ 0.029 χ^2 /NDF: 2701556.7/41

All: 194.406 $\pm$ 0.020 χ^2 /NDF: 5821785.0/83

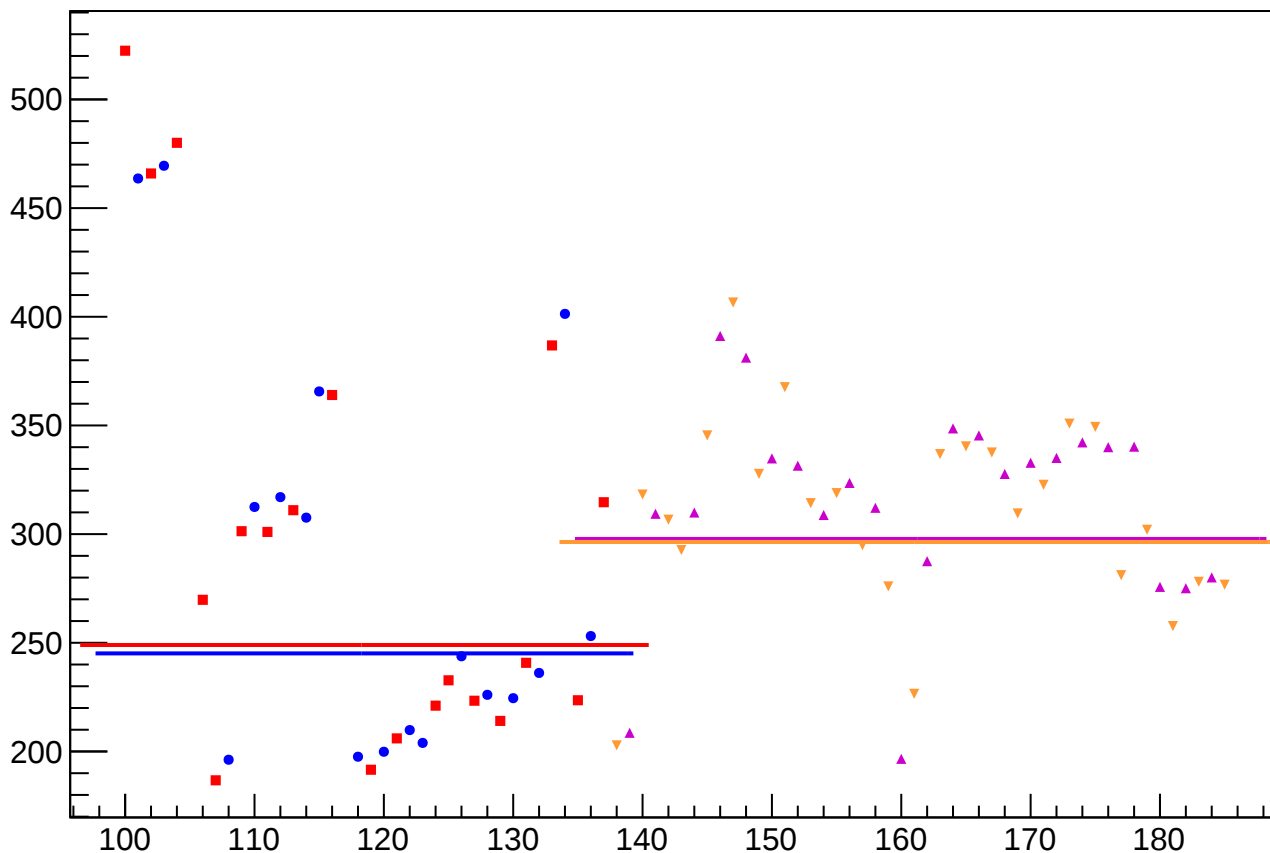
- sign 191.402 $\pm$ 0.029 χ^2 /NDF: 3097935.9/41

yield_bpm0r03WS_mean vs Slug



Right In: 140836.633 $\pm$ 0.100	χ^2 /NDF: 821253018.3/16	+ sign 139398.830 $\pm$ 0.058	χ^2 /NDF: 3642673112.9
Left Out: 138675.586 $\pm$ 0.071	χ^2 /NDF: 2511782659.7/24	All: 139366.263 $\pm$ 0.041	χ^2 /NDF: 671866827
Right Out: 140678.692 $\pm$ 0.099	χ^2 /NDF: 840853098.4/18	- sign 139332.367 $\pm$ 0.059	χ^2 /NDF: 3075350652.3/
Left In: 138588.711 $\pm$ 0.074	χ^2 /NDF: 1948065195.1/22		

yield_bpm0r03WS_rms vs Slug



Right In: 245.117 $\pm$ 0.071 χ^2 /NDF: 868050.1/16

Left Out: 296.384 $\pm$ 0.050 χ^2 /NDF:893593.2/24

Right Out: 248.984 $\pm$ 0.070 χ^2 /NDF: 1011335.0/18

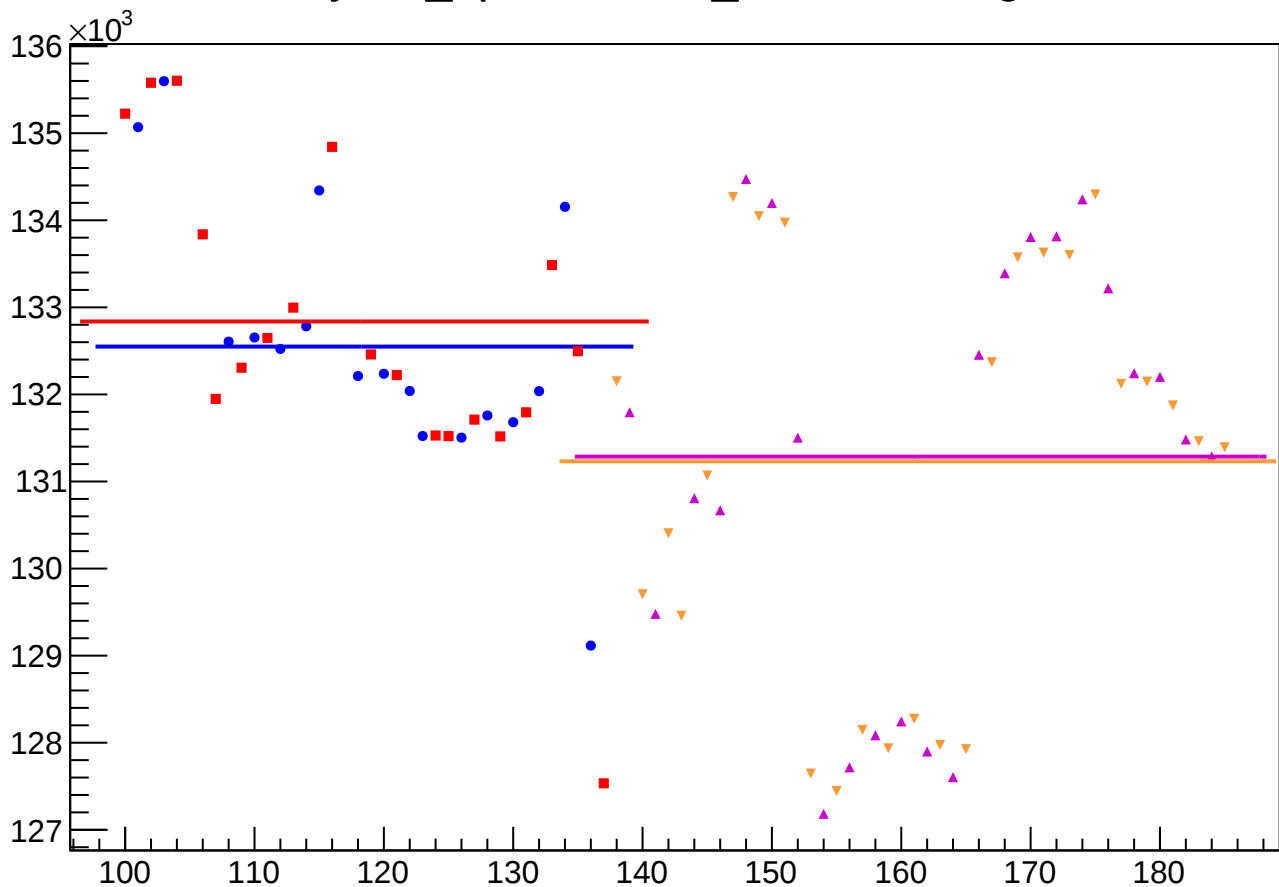
Left In: 297.774 $\pm$ 0.052 χ^2 /NDF:1061489.5/22

+ sign 279.226 $\pm$ 0.041 χ^2 /NDF: 2110163.2/41

All: 279.808 $\pm$ 0.029 χ^2 /NDF: 4495605.7/83

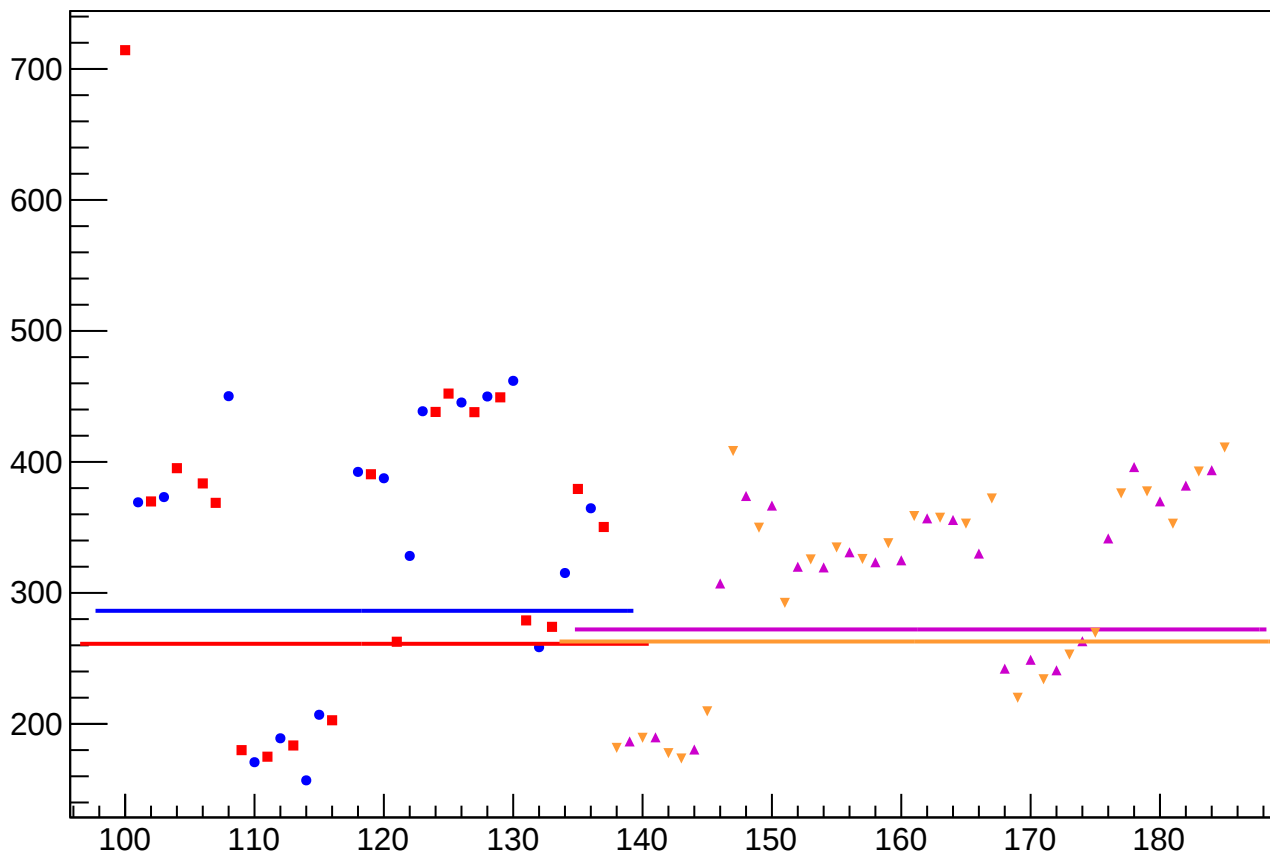
- sign 280.414 $\pm$ 0.042 χ^2 /NDF: 2385030.9/41

yield_bpm0r05WS_mean vs Slug



Right In: 132549.335 $\pm$ 0.120	χ^2 /NDF: 161038742.0/16	+ sign 131529.578 $\pm$ 0.057	χ^2 /NDF: 1421643975.8
Left Out: 131231.827 $\pm$ 0.065	χ^2 /NDF: 1166746747.0/24	All: 131630.885 $\pm$ 0.040	χ^2 /NDF: 278327059
Right Out: 132837.715 $\pm$ 0.107	χ^2 /NDF: 149672642.4/18	- sign 131734.800 $\pm$ 0.058	χ^2 /NDF: 1355199960.9/22
Left In: 131285.623 $\pm$ 0.068	χ^2 /NDF: 1056232192.1/22		

yield_bpm0r05WS_rms vs Slug



Right In: 286.338+/-0.085 χ^2/NDF : 1514049.7/16

Left Out: 262.902+/-0.046 χ^2/NDF : 2799937.1/24

Right Out: 261.146+/-0.076 χ^2/NDF : 1614381.3/18

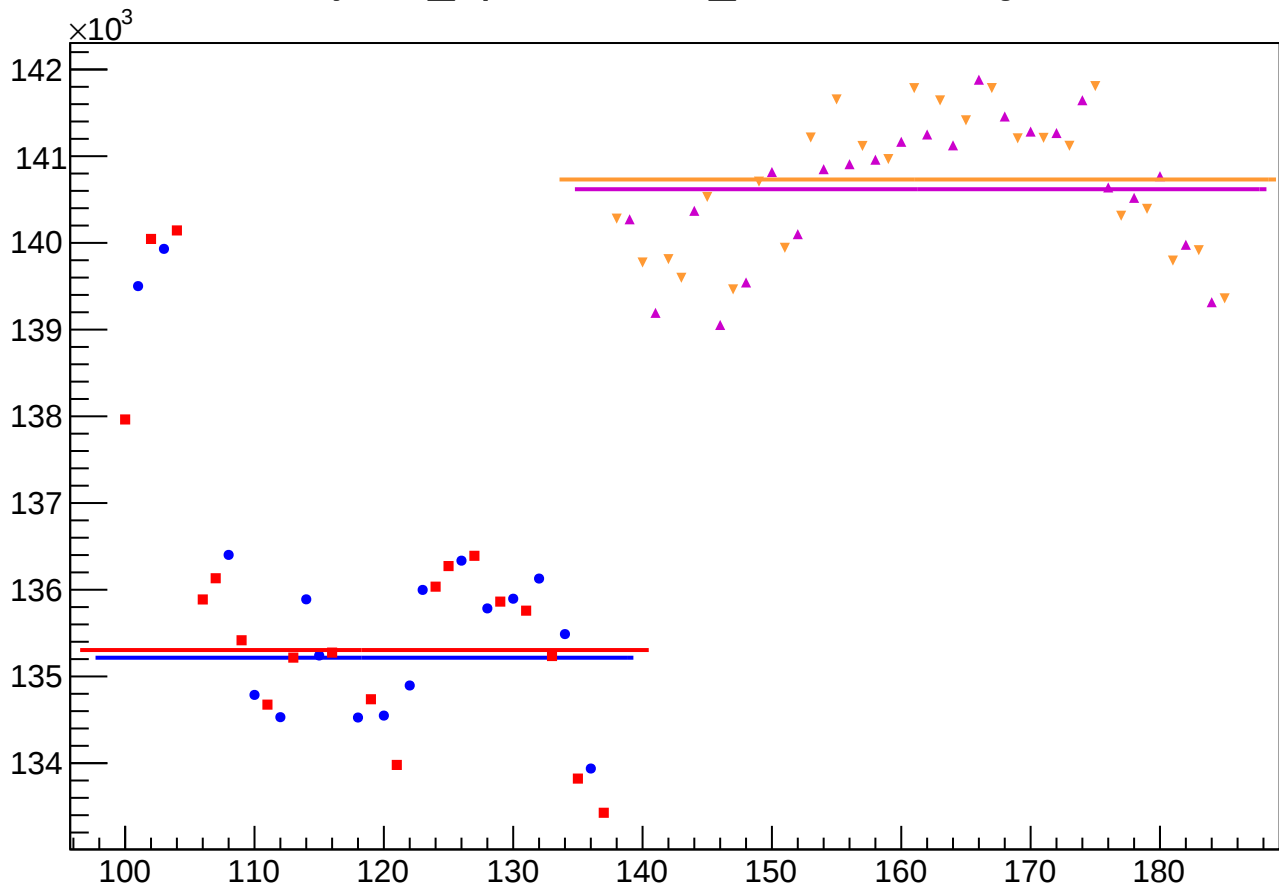
Left In: 272.115+/-0.048 χ^2/NDF : 2221925.0/22

+ sign 268.199+/-0.040 χ^2/NDF : 4373380.0/41

All: 268.565+/-0.029 χ^2/NDF : 8224766.1/83

- sign 268.940+/-0.041 χ^2/NDF : 3851218.2/41

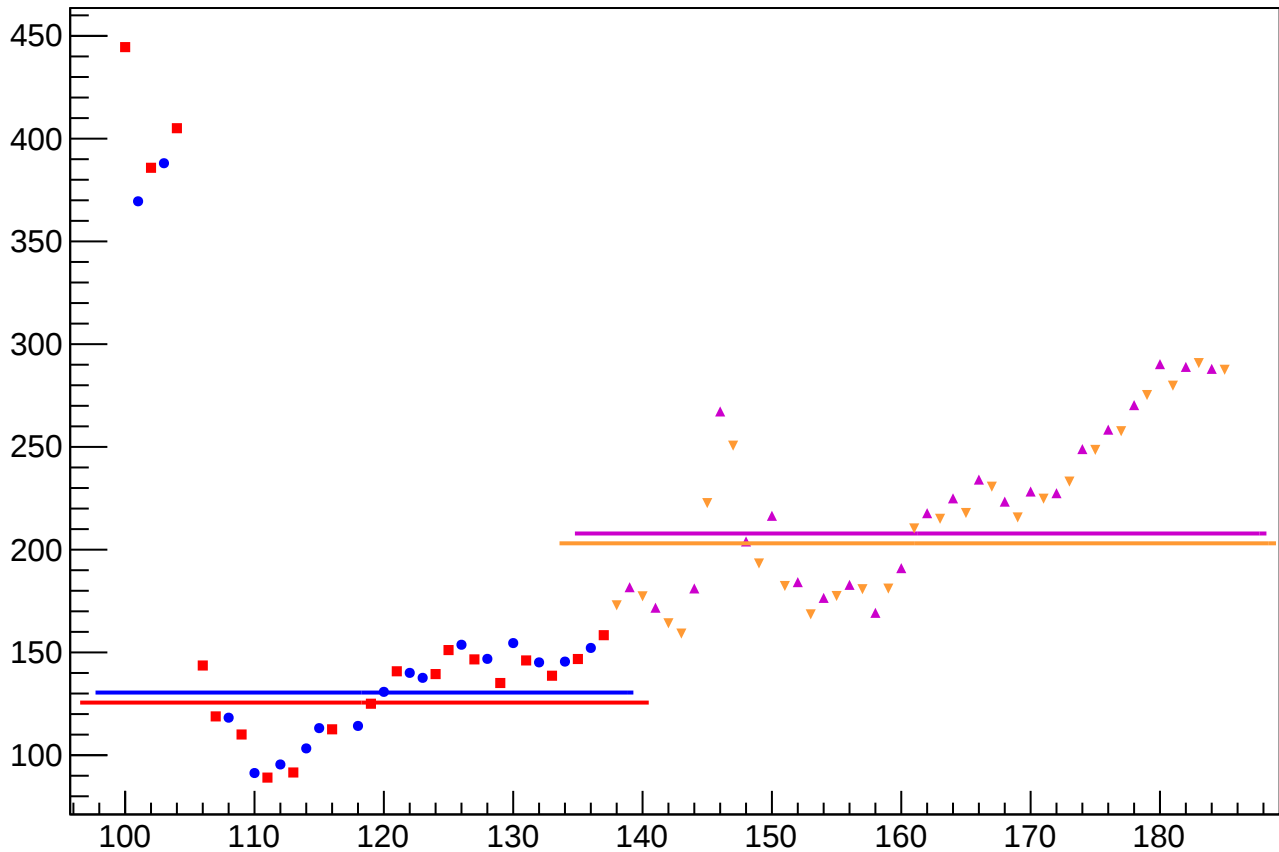
yield_bpm0i02WS_mean vs Slug



Right In: 135216.054 ± 0.054 $\chi^2/\text{NDF}: 371419425.6/16$
 Left Out: 140731.290 ± 0.049 $\chi^2/\text{NDF}: 242182276.9/24$
 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 138285.589 ± 0.036 $\chi^2/\text{NDF}: 6327508303.5$
 All: 138125.103 ± 0.026 $\chi^2/\text{NDF}: 123280909$
 - 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: 203.089+/-0.034 χ^2/NDF : 1050946.0/24

Right Out: 125.594+/-0.036 χ^2/NDF : 1434855.8/18

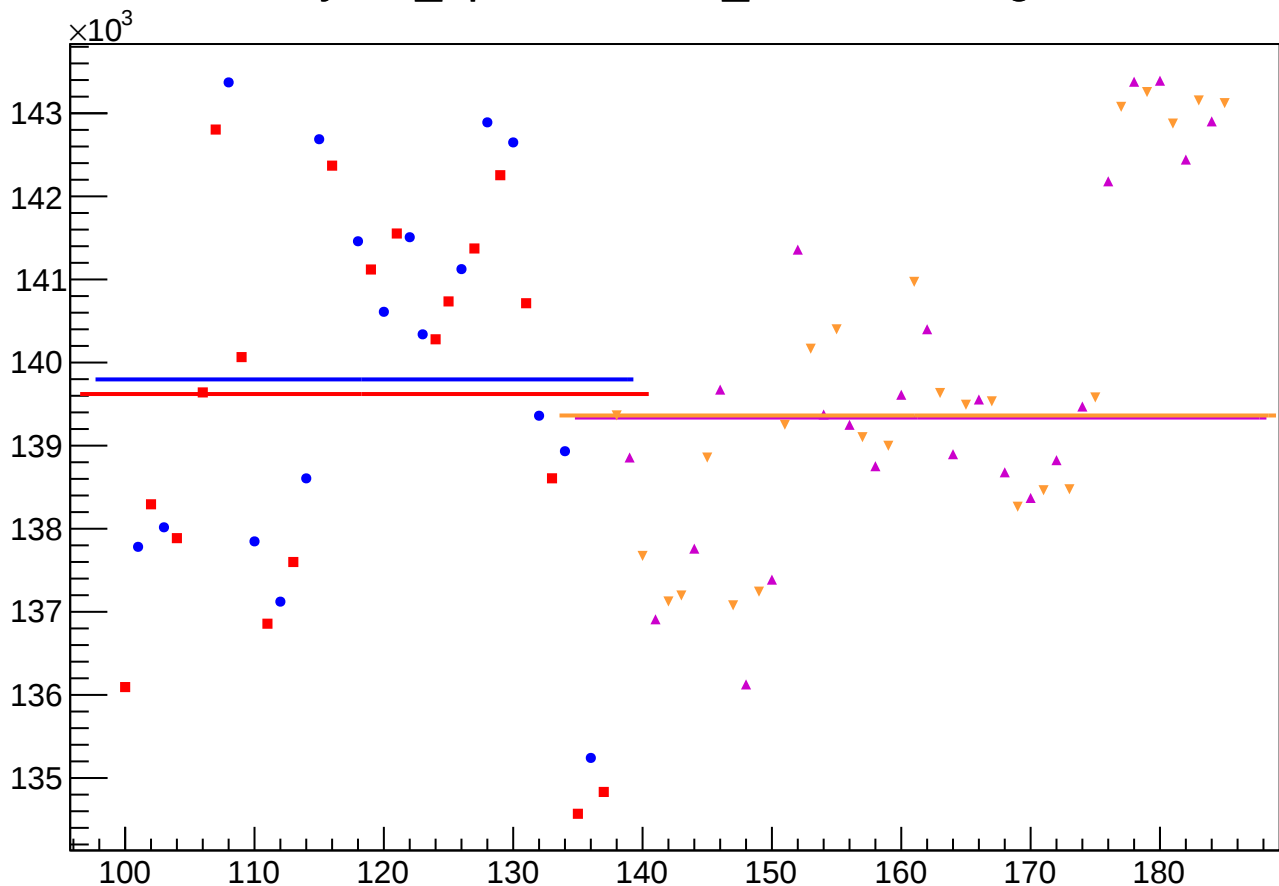
Left In: 207.872+/-0.036 χ^2/NDF : 949200.3/22

+ sign 170.890+/-0.026 χ^2/NDF : 4404706.6/41

All: 168.834+/-0.018 χ^2/NDF : 9391993.1/83

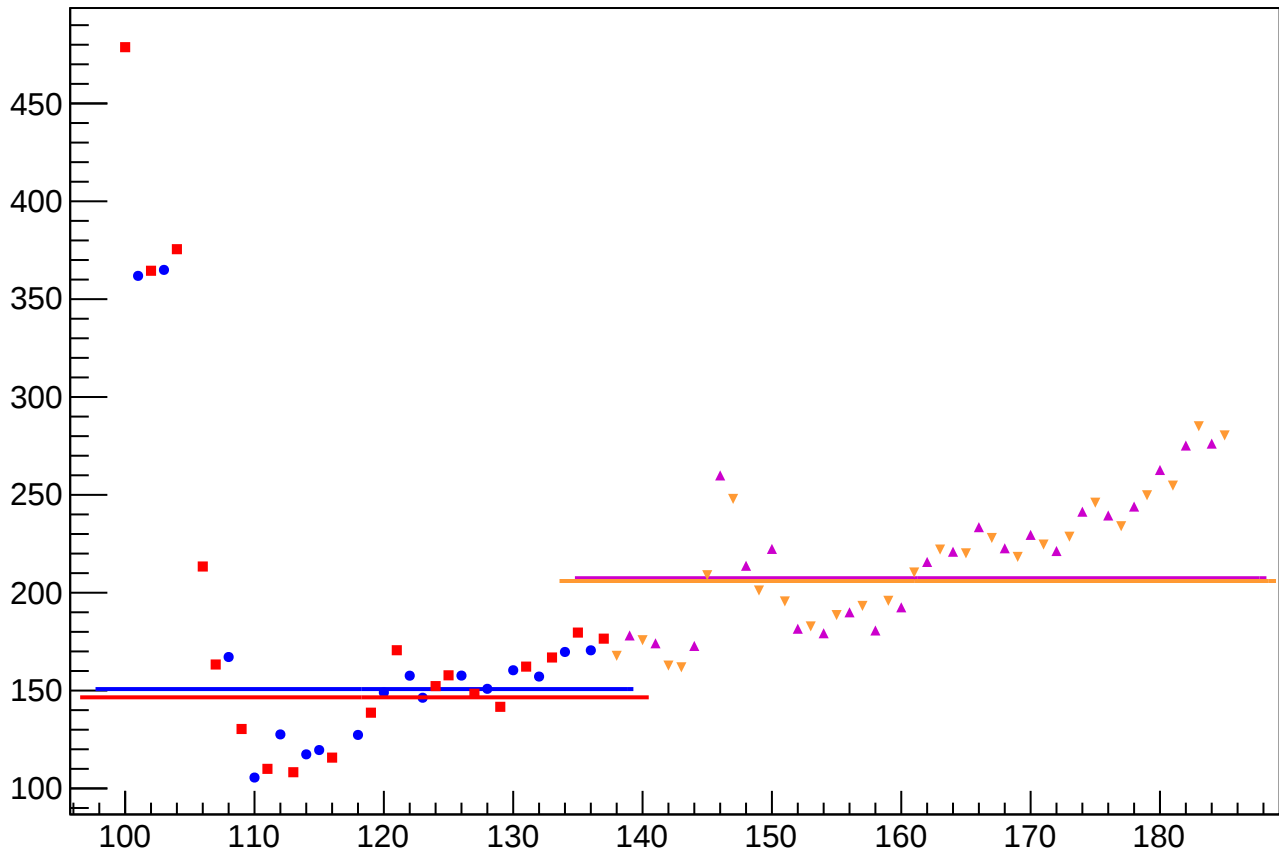
- sign 166.790+/-0.026 χ^2/NDF : 4974459.1/41

yield_bpm0i02aWS_mean vs Slug



Right In: 139796.979 $\pm$ 0.062	χ^2 /NDF: 1668151198.8/16	+ sign 139530.233 $\pm$ 0.039	χ^2 /NDF: 2952297305.0
Left Out: 139362.920 $\pm$ 0.049	χ^2 /NDF: 1254080797.8/24	All: 139494.350 $\pm$ 0.027	χ^2 /NDF: 576477423
Right Out: 139621.197 $\pm$ 0.059	χ^2 /NDF: 1504518858.4/18	- sign 139458.466 $\pm$ 0.039	χ^2 /NDF: 2810742095.4
Left In: 139337.874 $\pm$ 0.051	χ^2 /NDF: 1293003954.9/22		

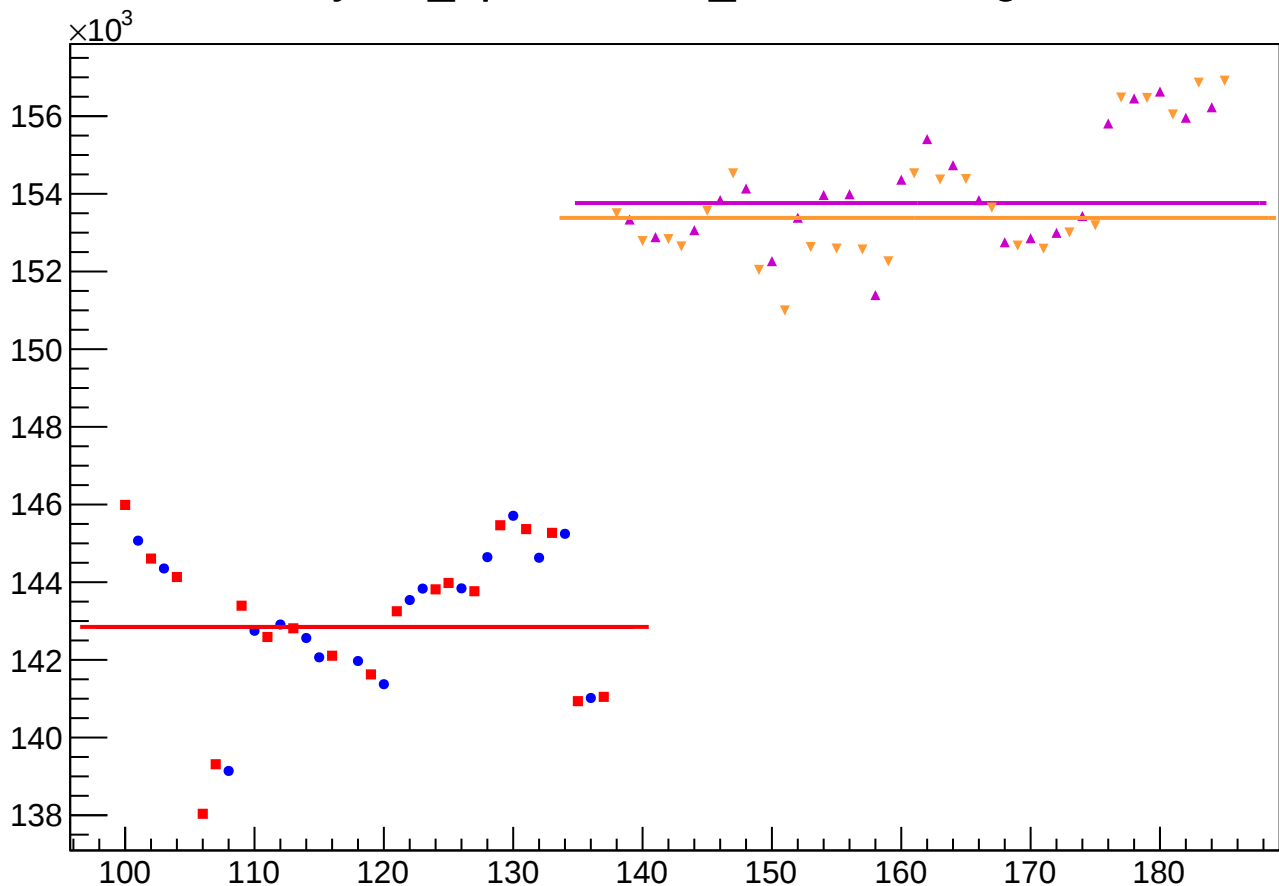
yield_bpm0i02aWS_rms vs Slug



Right In: 150.766 ± 0.044 χ^2/NDF : 1050110.5/16
 Left Out: 205.987 ± 0.035 χ^2/NDF : 737668.3/24
 Right Out: 146.546 ± 0.042 χ^2/NDF : 1200776.5/18
 Left In: 207.416 ± 0.036 χ^2/NDF : 701955.3/22

+ sign 184.702 ± 0.027 χ^2/NDF : 2760997.2/41
 All: 183.105 ± 0.019 χ^2/NDF : 5890963.9/83
 - sign 181.508 ± 0.027 χ^2/NDF : 3123094.5/41

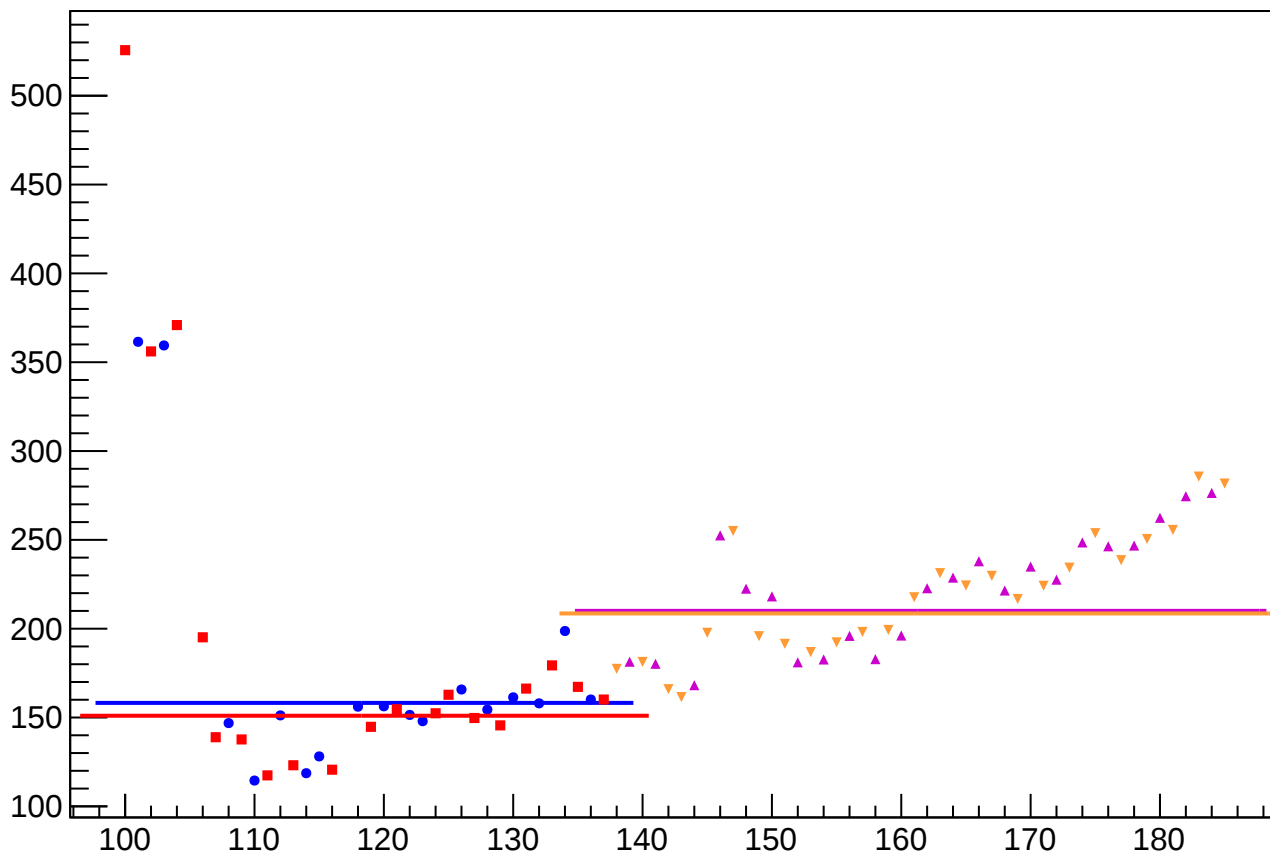
yield_bpm0i05WS_mean vs Slug



Right In: 142846.769 $\pm$ 0.065 χ^2 /NDF: 735751313.8/16
 Left Out: 153379.581 $\pm$ 0.050 χ^2 /NDF: 802505892.0/24
 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

+ sign 149476.549 $\pm$ 0.039 χ^2 /NDF: 18176256025.
 All: 149324.643 $\pm$ 0.028 χ^2 /NDF: 386074885.
 - sign 149174.794 $\pm$ 0.039 χ^2 /NDF: 20401759186.0

yield_bpm0i05WS_rms vs Slug



Right In: 158.235+/-0.046 χ^2/NDF : 883619.5/16

Left Out: 208.573+/-0.035 χ^2/NDF : 723104.0/24

Right Out: 150.999+/-0.043 χ^2/NDF : 1000583.6/18

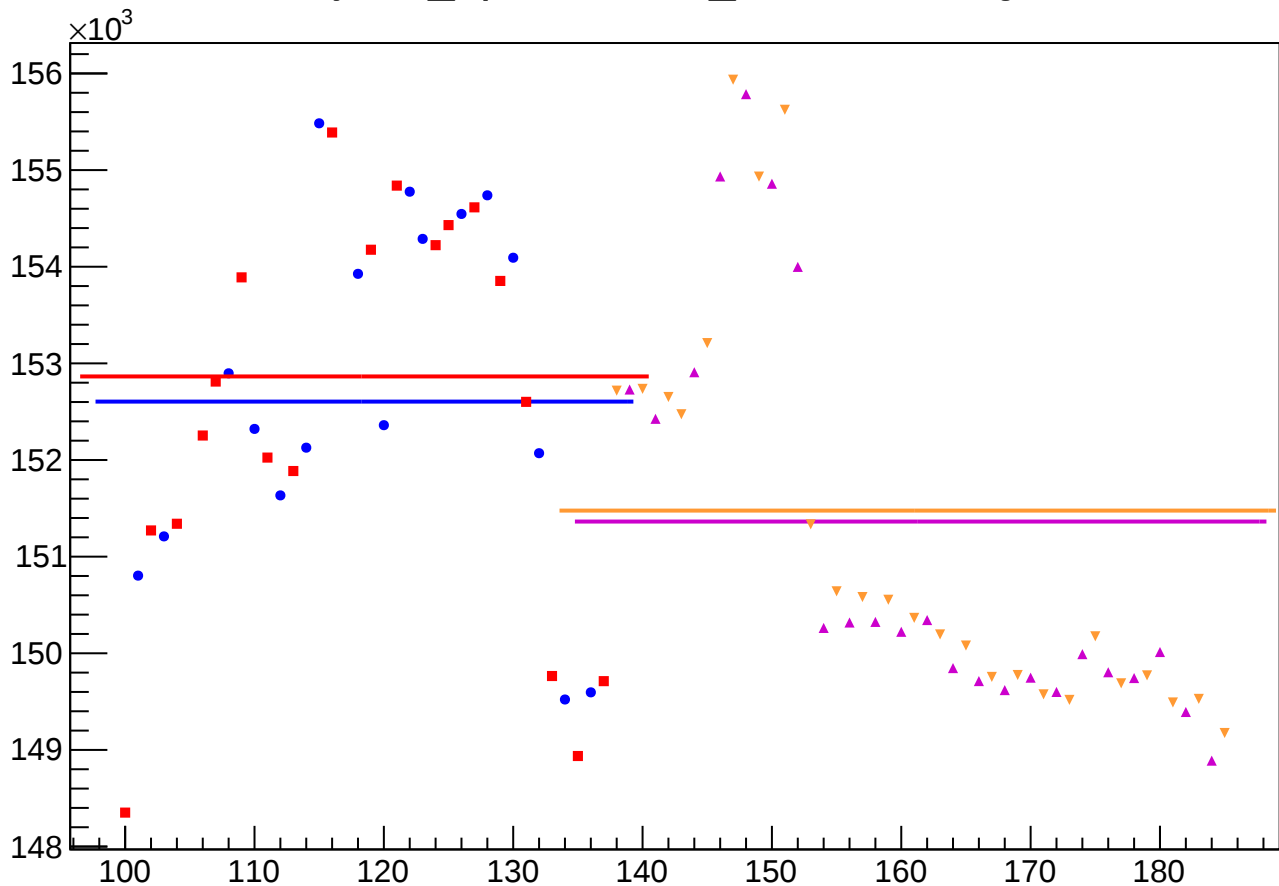
Left In: 210.038+/-0.036 χ^2/NDF : 702369.5/22

+ sign 189.920+/-0.028 χ^2/NDF : 2366784.4/41

All: 187.554+/-0.020 χ^2/NDF : 5191168.0/83

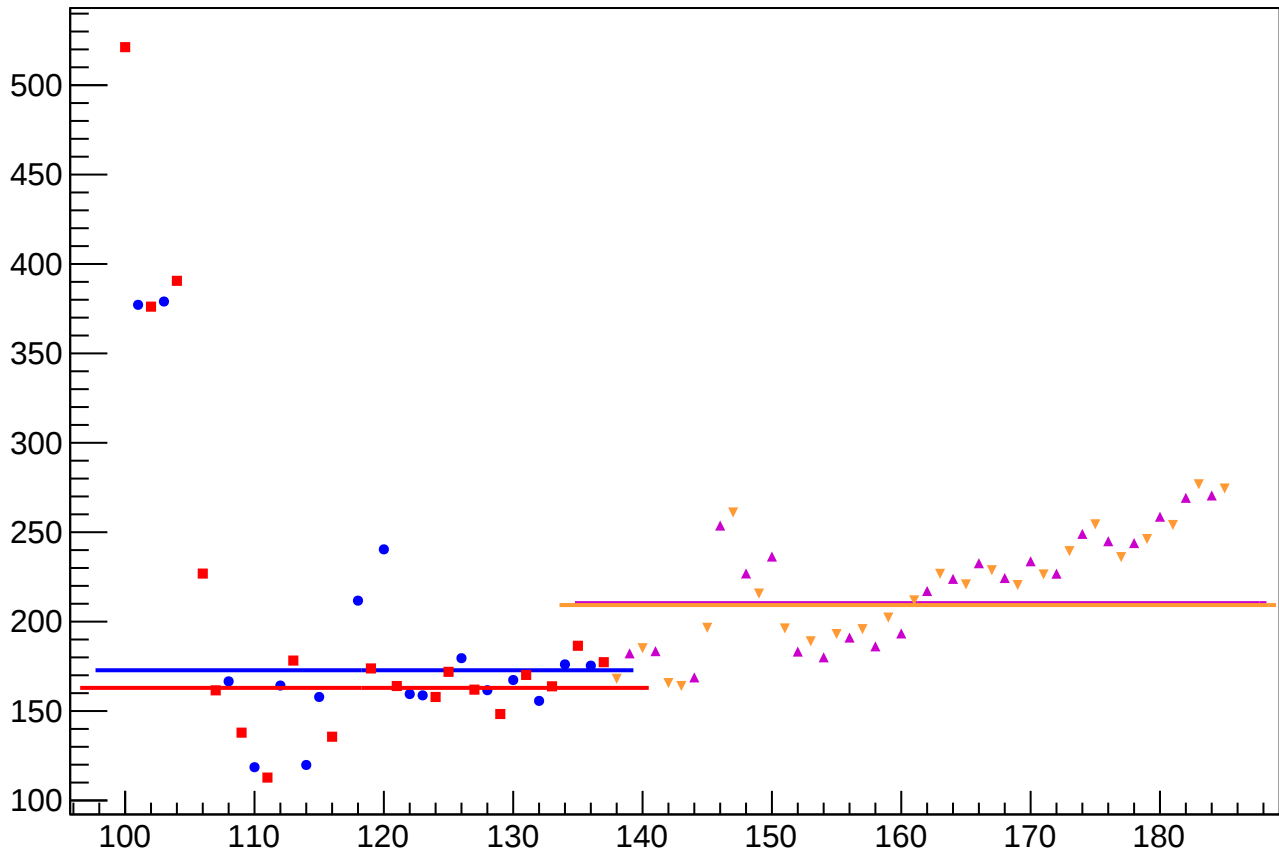
- sign 185.221+/-0.028 χ^2/NDF : 2810088.9/41

yield_bpm0i07WS_mean vs Slug



Right In: 152604.406 $\pm$ 0.072 χ^2 /NDF: 616818062.6/16
 Left Out: 151476.564 $\pm$ 0.050 χ^2 /NDF: 1478942160.3/24
 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

yield_bpm0i07WS_rms vs Slug



Right In: 172.803+/-0.051 χ^2/NDF : 945652.6/16

Left Out: 209.273+/-0.035 χ^2/NDF : 705033.8/24

Right Out: 162.951+/-0.047 χ^2/NDF : 1032146.9/18

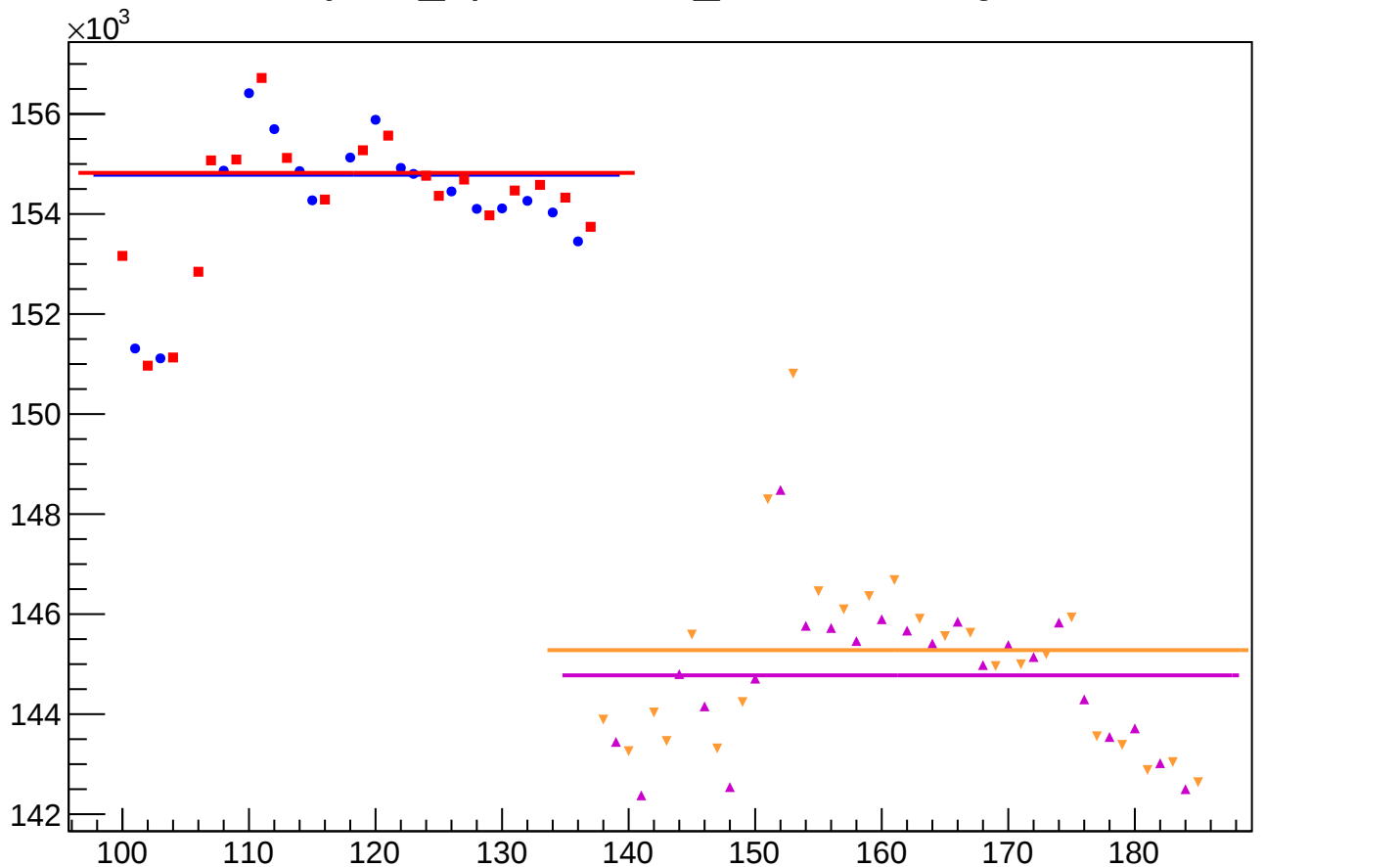
Left In: 210.345+/-0.036 χ^2/NDF : 677747.7/22

+ sign 197.558+/-0.029 χ^2/NDF : 1996396.5/41

All: 195.024+/-0.020 χ^2/NDF : 4360504.9/83

- sign 192.533+/-0.029 χ^2/NDF : 2348923.5/41

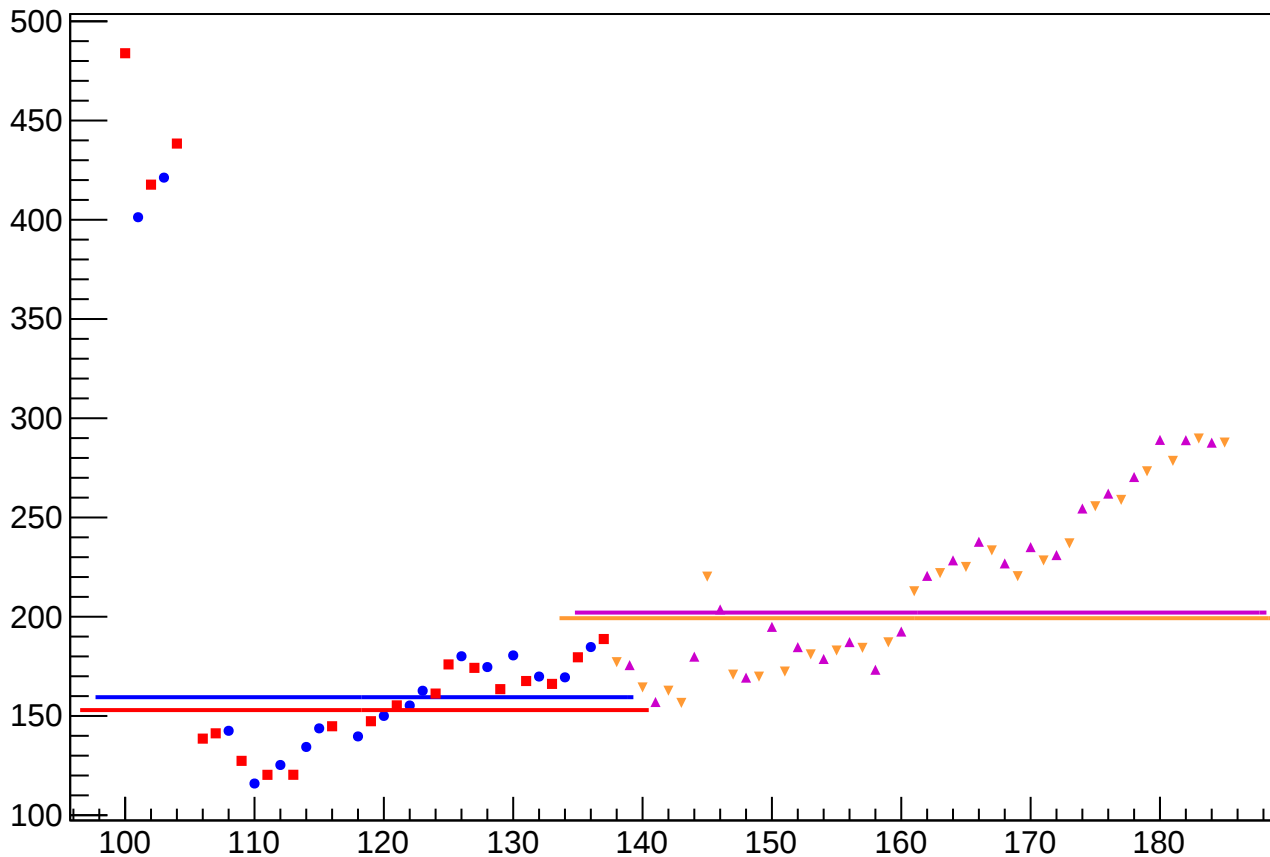
yield_bpm1i02WS_mean vs Slug



Right In: 154784.970 $\pm$ 0.065 χ^2 /NDF: 265445259.7/16
 Left Out: 145279.903 $\pm$ 0.048 χ^2 /NDF: 1707147802.2/24
 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 148563.651 $\pm$ 0.038 χ^2 /NDF: 15767160135.
 All: 148671.224 $\pm$ 0.027 χ^2 /NDF: 333661810.
 - 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: 199.263 $\pm$ 0.034 χ^2 /NDF:1151046.4/24

Right Out: 152.961 $\pm$ 0.043 χ^2 /NDF: 1169783.0/18

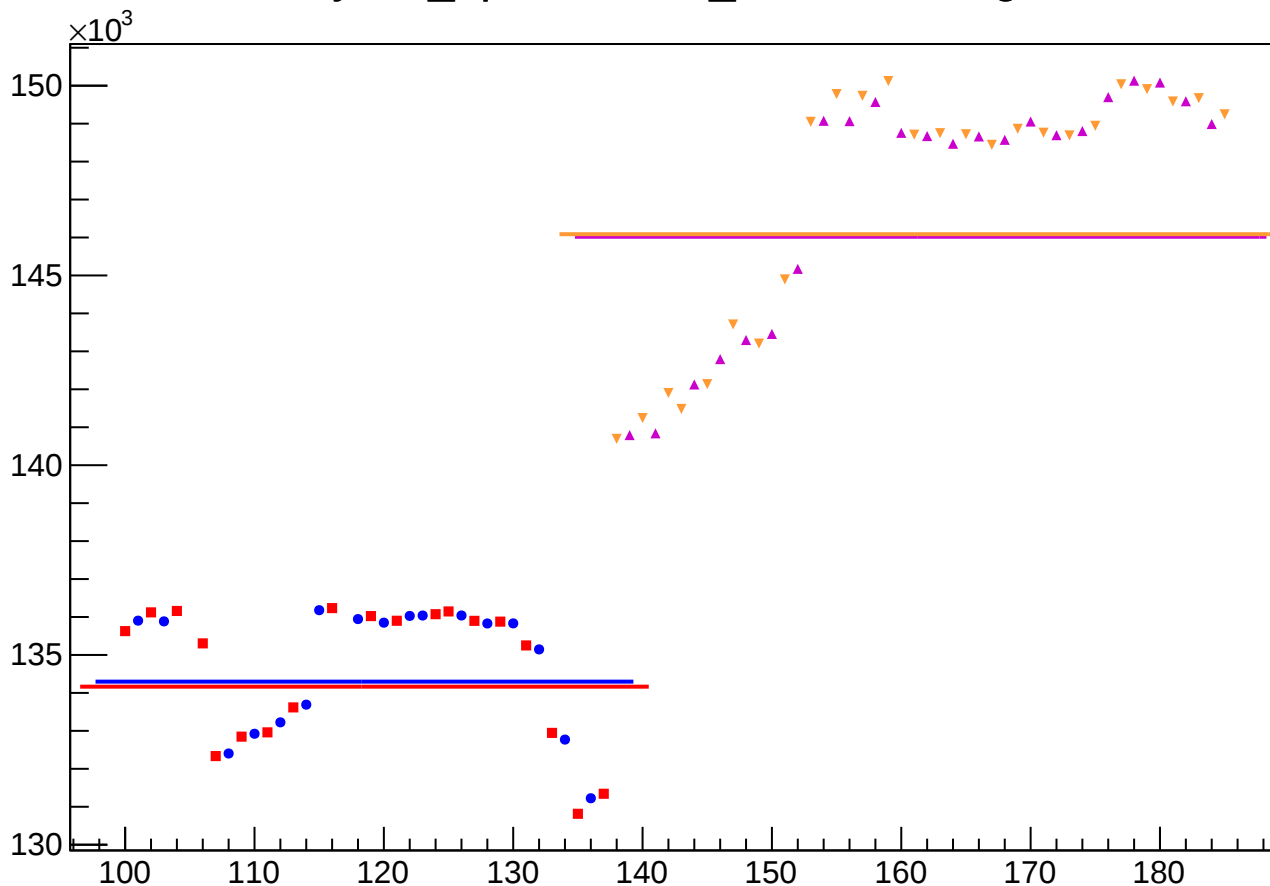
Left In: 202.090 $\pm$ 0.035 χ^2 /NDF:1057833.2/22

+ sign 185.512 $\pm$ 0.027 χ^2 /NDF: 2766491.4/41

All: 184.013 $\pm$ 0.019 χ^2 /NDF: 5783185.2/83

- sign 182.517 $\pm$ 0.027 χ^2 /NDF: 3010631.0/41

yield_bpm1i04WS_mean vs Slug



Right In: 134297.022 ± 0.050 $\chi^2/\text{NDF}: 1147567257.7/16$

Left Out: 146086.668 ± 0.048 $\chi^2/\text{NDF}: 5334387659.0/24$

Right Out: 134164.594 ± 0.047 $\chi^2/\text{NDF}: 1210514088.0/18$

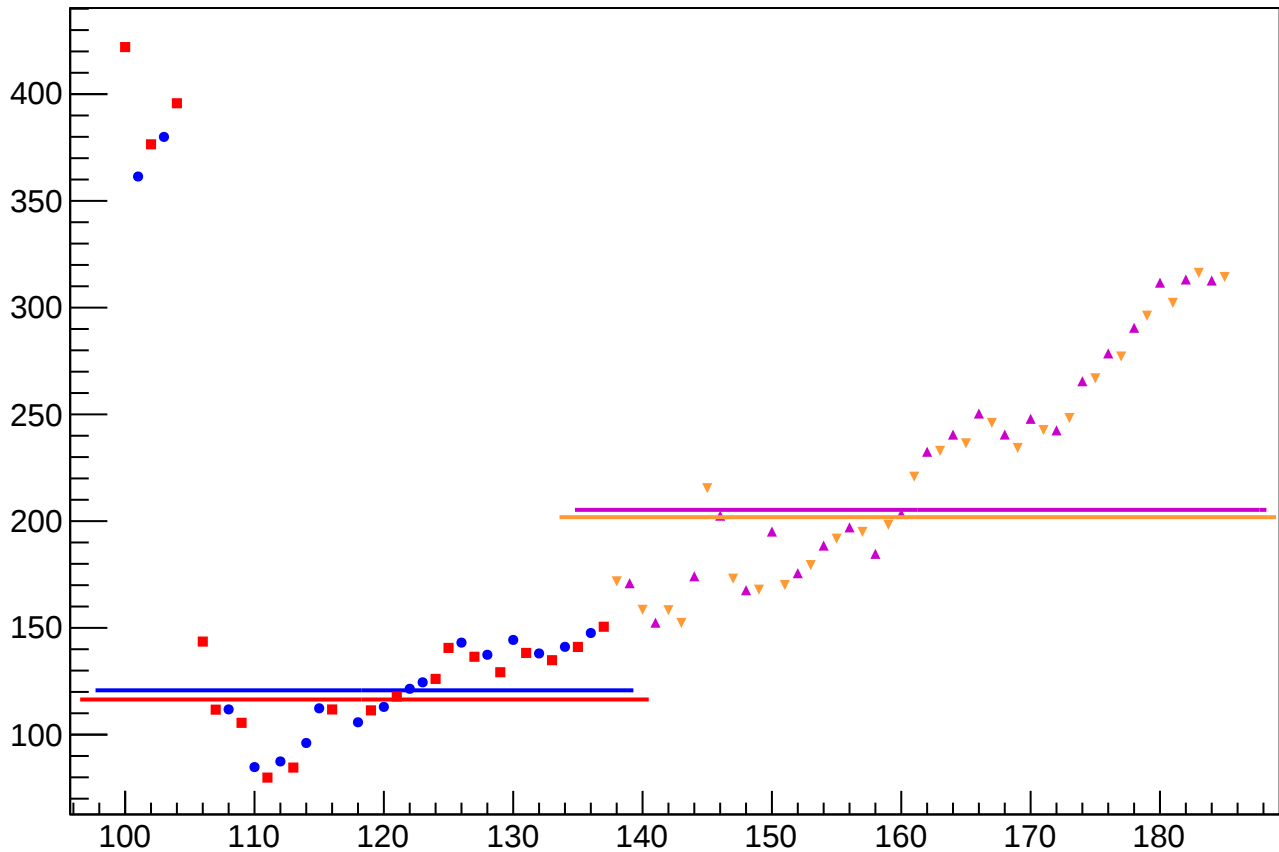
Left In: 146020.015 ± 0.051 $\chi^2/\text{NDF}: 4591425371.4/22$

+ sign 140418.422 ± 0.035 $\chi^2/\text{NDF}: 34896002633.0/20$

All: 140055.673 ± 0.025 $\chi^2/\text{NDF}: 701154123.0/10$

- sign 139699.826 ± 0.035 $\chi^2/\text{NDF}: 35005945678.0/20$

yield_bpm1i04WS_rms vs Slug



Right In: 120.752 $\pm$ 0.036 χ^2 /NDF: 1465247.5/16

Left Out: 201.842 $\pm$ 0.034 χ^2 /NDF:1585796.8/24

Right Out: 116.453 $\pm$ 0.034 χ^2 /NDF: 1535612.1/18

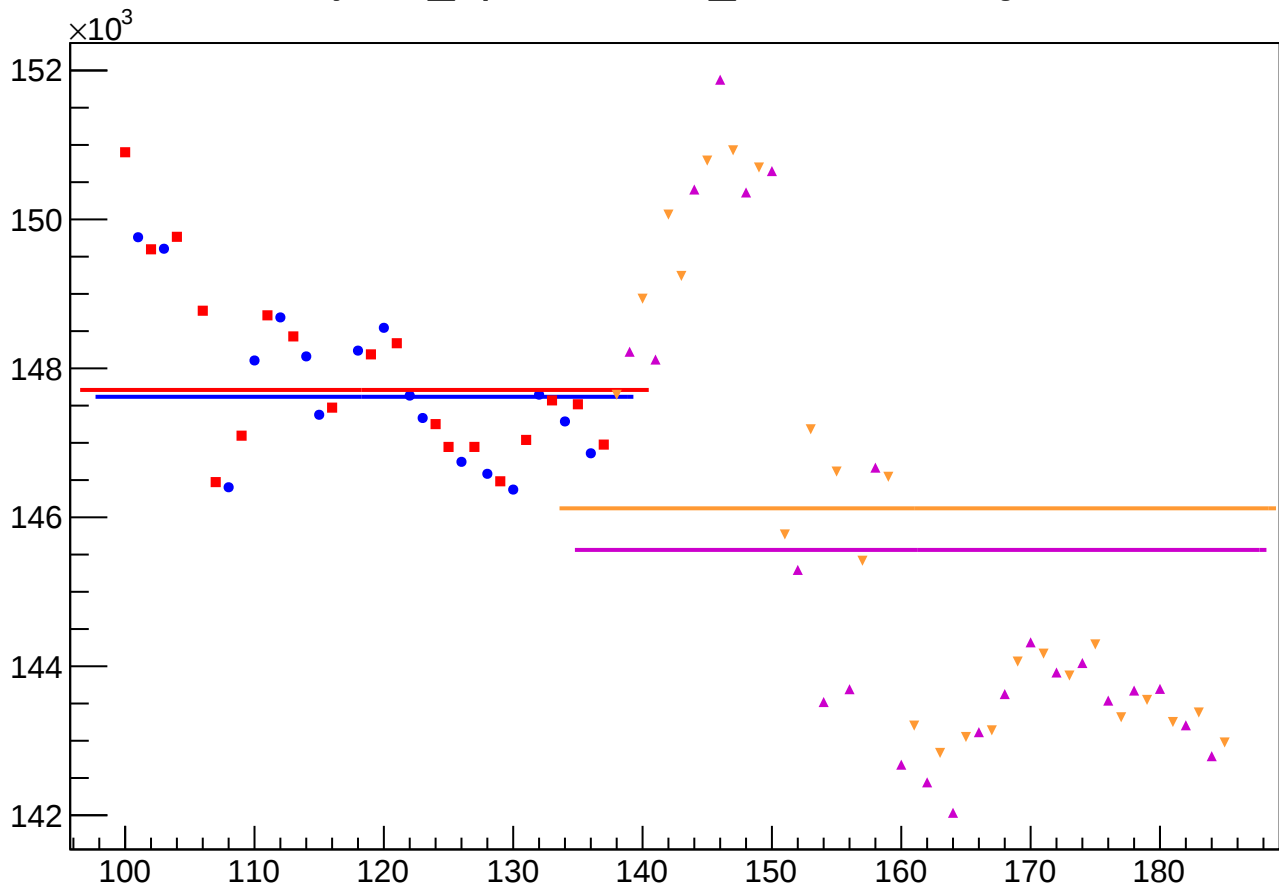
Left In: 205.286 $\pm$ 0.036 χ^2 /NDF:1425292.7/22

+ sign 162.856 $\pm$ 0.025 χ^2 /NDF: 5739467.5/41

All: 160.368 $\pm$ 0.017 χ^2 /NDF: 11999836.5/83

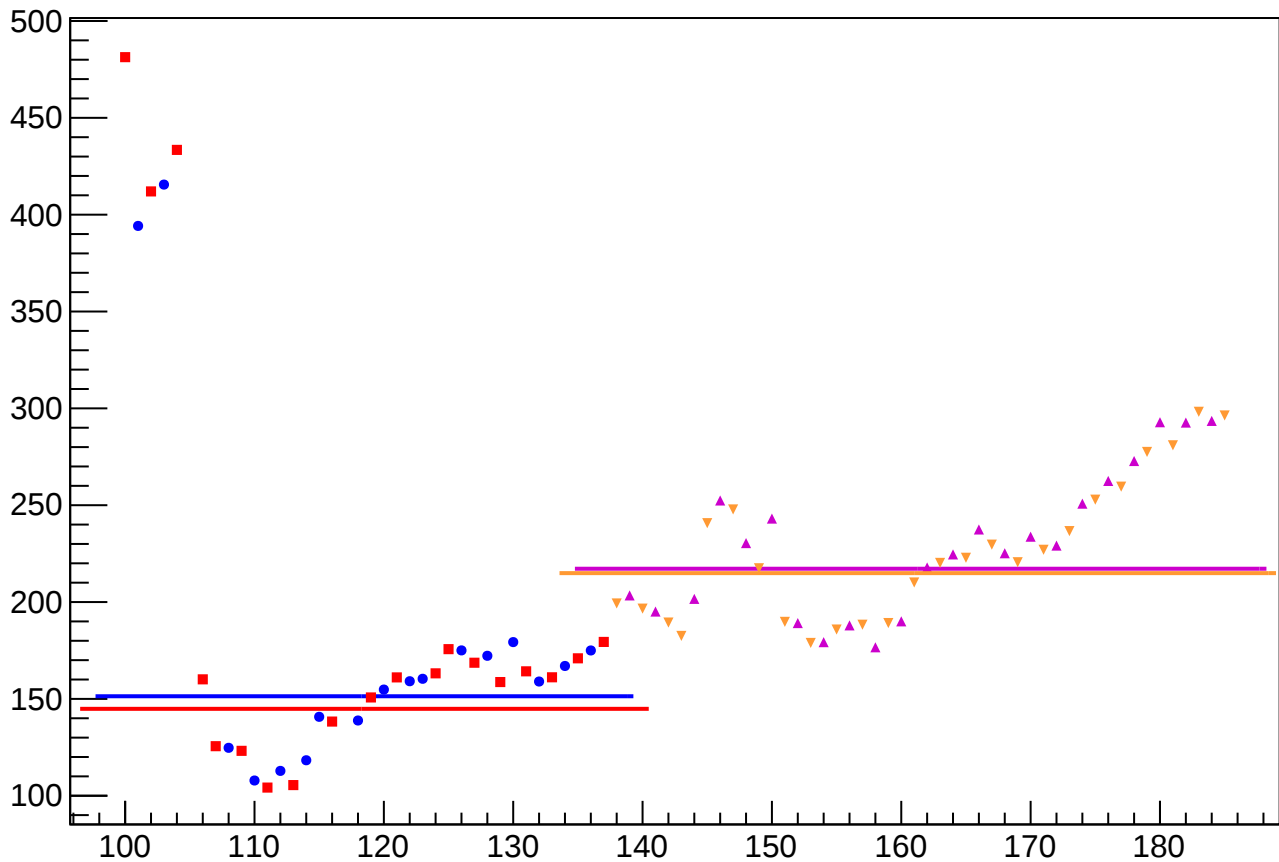
- sign 157.929 $\pm$ 0.024 χ^2 /NDF: 6240298.2/41

yield_bpm1i06WS_mean vs Slug



Right In: 147618.243 ± 0.063 χ^2/NDF : 198581777.1/16
 Left Out: 146120.762 ± 0.051 χ^2/NDF : 2674758855.2/24
 Right Out: 147710.334 ± 0.058 χ^2/NDF : 203714451.2/18
 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: 214.932 $\pm$ 0.036 χ^2 /NDF: 732294.8/24

Right Out: 144.870 $\pm$ 0.041 χ^2 /NDF: 1371292.3/18

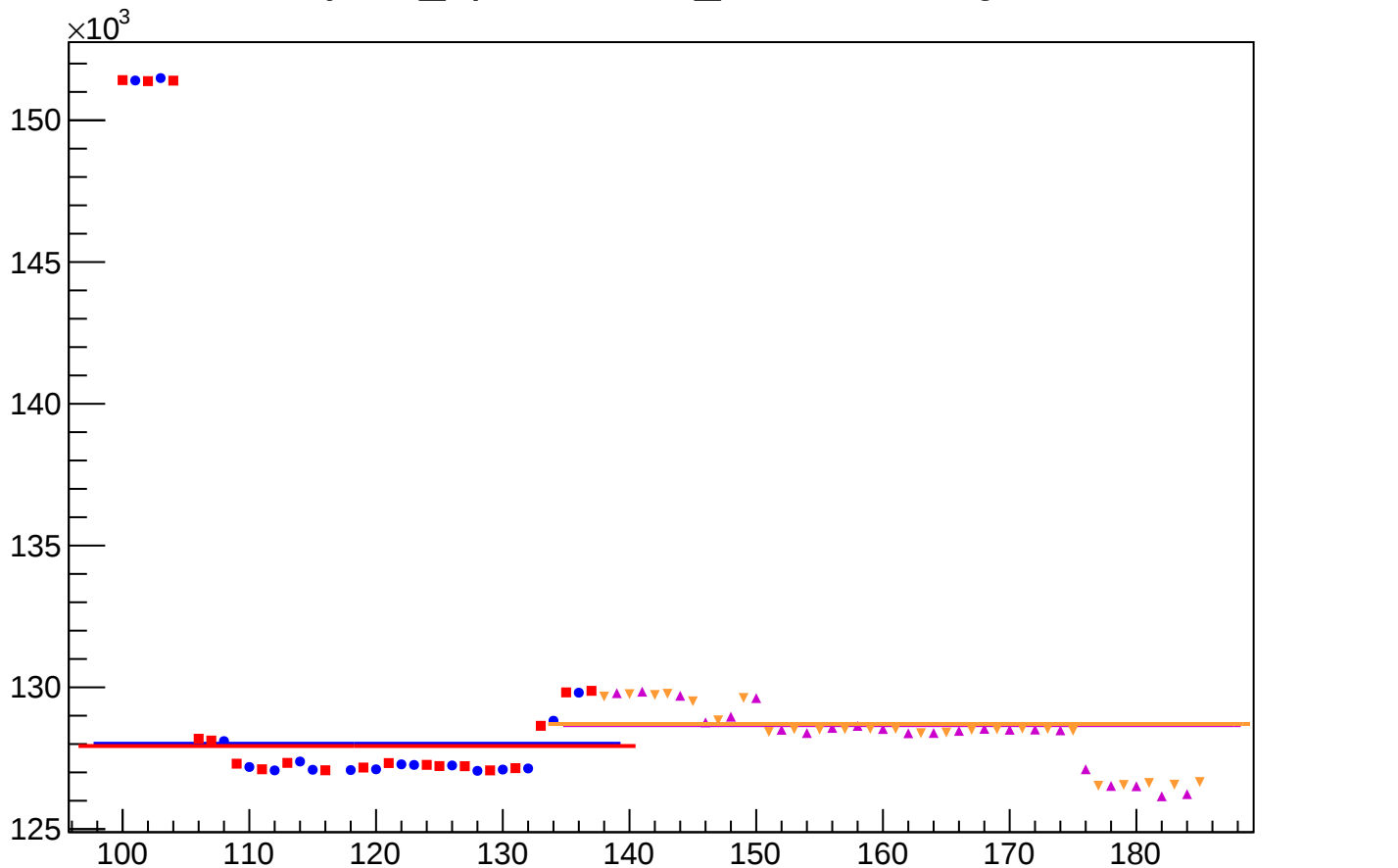
Left In: 217.203 $\pm$ 0.038 χ^2 /NDF: 764798.3/22

+ sign 189.532 $\pm$ 0.028 χ^2 /NDF: 3231026.4/41

All: 186.973 $\pm$ 0.020 χ^2 /NDF: 7066078.9/83

- sign 184.453 $\pm$ 0.028 χ^2 /NDF: 3818446.5/41

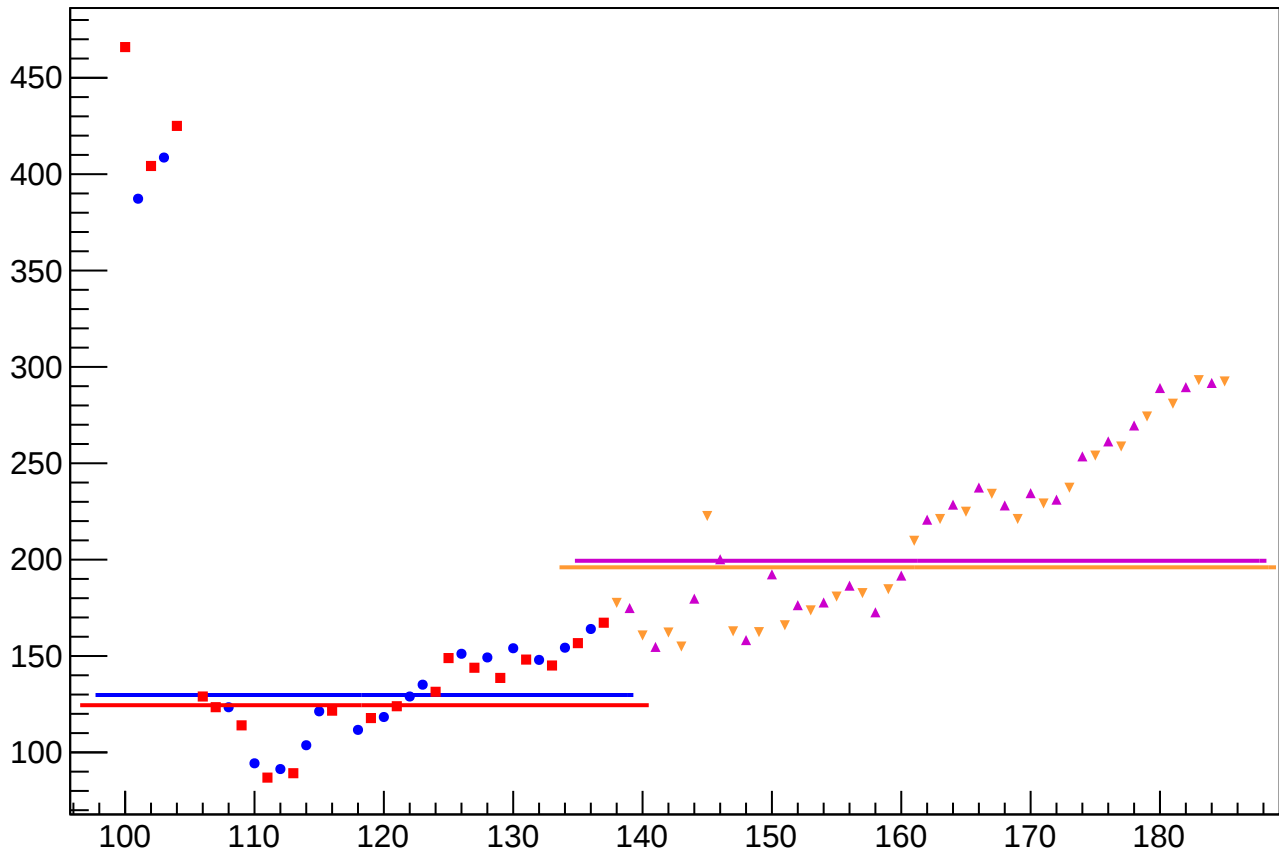
yield_bpm2i01WS_mean vs Slug



Right In: 128009.906 ± 0.054 $\chi^2/\text{NDF}: 4319099803.8/16$
 Left Out: 128706.962 ± 0.047 $\chi^2/\text{NDF}: 344006732.4/24$
 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 128408.827 ± 0.035 $\chi^2/\text{NDF}: 4757714778.2$
 All: 128358.504 ± 0.025 $\chi^2/\text{NDF}: 89726685$
 - 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: 196.020 $\pm$ 0.033 χ^2 /NDF: 1312045.6/24

Right Out: 124.477 $\pm$ 0.036 χ^2 /NDF: 1526276.6/18

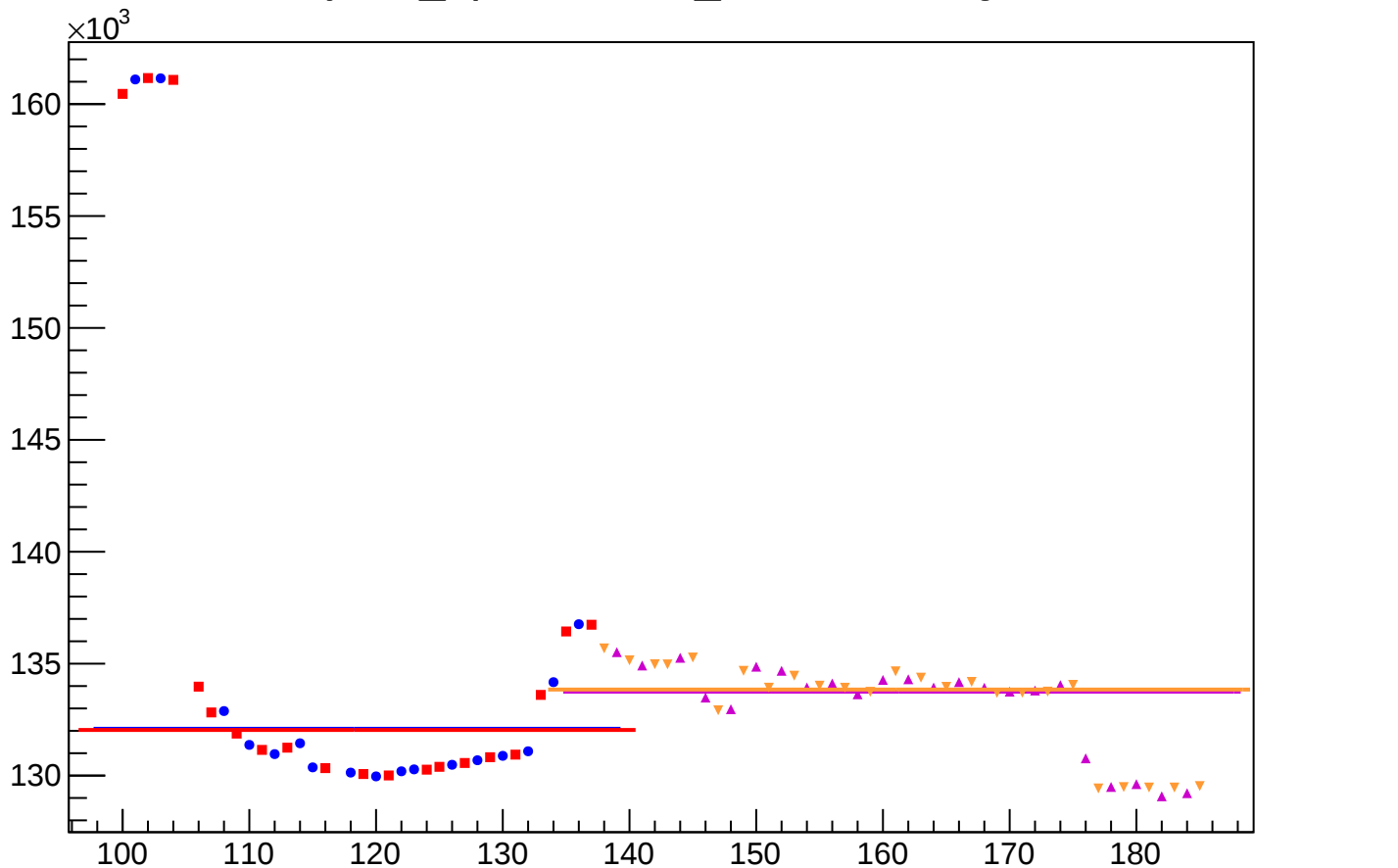
Left In: 199.413 $\pm$ 0.035 χ^2 /NDF: 1165698.7/22

+ sign 167.684 $\pm$ 0.025 χ^2 /NDF: 4505058.8/41

All: 165.321 $\pm$ 0.018 χ^2 /NDF: 9488277.2/83

- sign 163.000 $\pm$ 0.025 χ^2 /NDF: 4965604.9/41

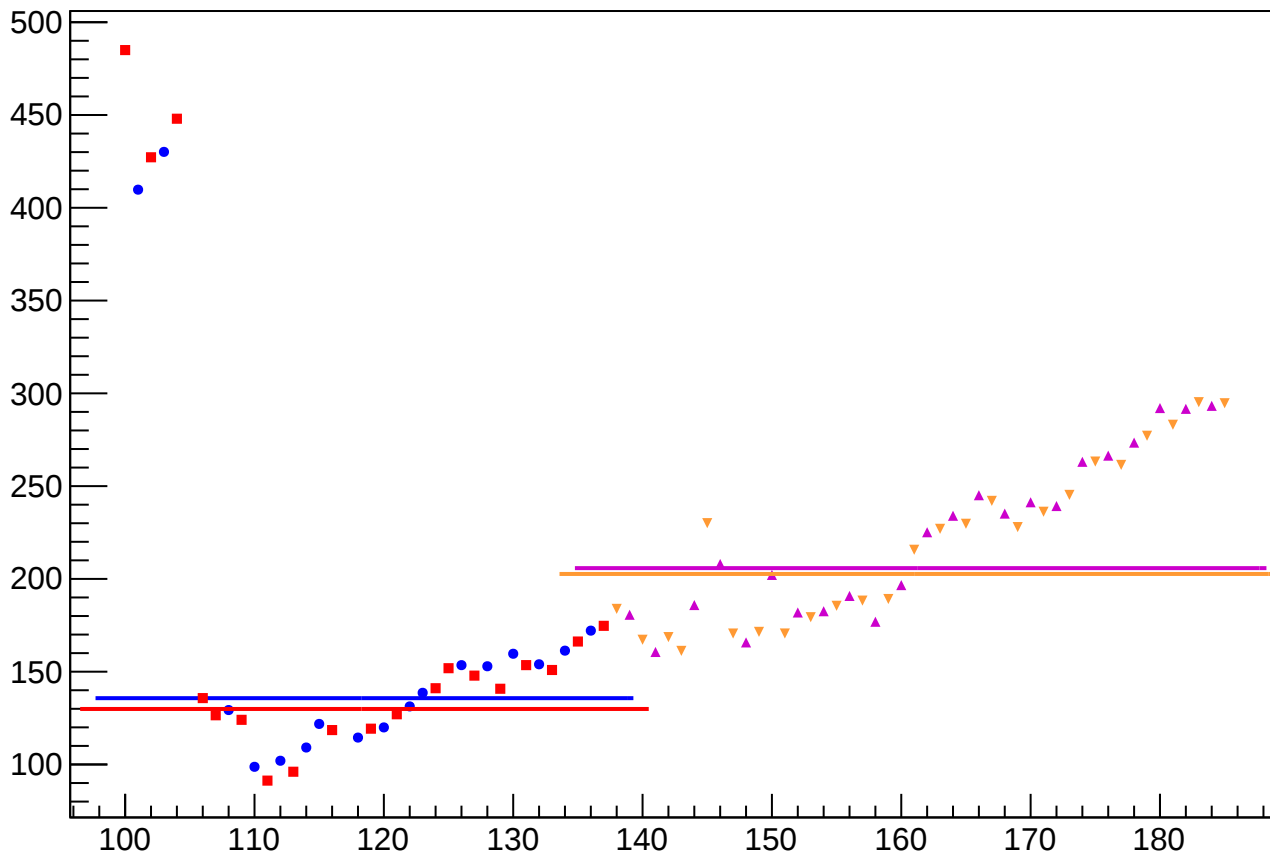
yield_bpm2i02WS_mean vs Slug



Right In: 132090.159 ± 0.057 $\chi^2/\text{NDF}: 6731961368.4/16$
 Left Out: 133843.896 ± 0.048 $\chi^2/\text{NDF}: 1075839256.0/24$
 Right Out: 132038.077 ± 0.053 $\chi^2/\text{NDF}: 5881799125.4/18$
 Left In: 133749.630 ± 0.051 $\chi^2/\text{NDF}: 954069486.7/22$

+ sign 133103.400 ± 0.037 $\chi^2/\text{NDF}: 8362281863.1$
 All: 133014.533 ± 0.026 $\chi^2/\text{NDF}: 157611826$
 - sign 132927.453 ± 0.036 $\chi^2/\text{NDF}: 7387345556.2/$

yield_bpm2i02WS_rms vs Slug



Right In: 135.730 $\pm$ 0.040 χ^2 /NDF: 1442560.7/16

Left Out: 202.667 $\pm$ 0.034 χ^2 /NDF:1210663.1/24

Right Out: 129.912 $\pm$ 0.037 χ^2 /NDF: 1498757.6/18

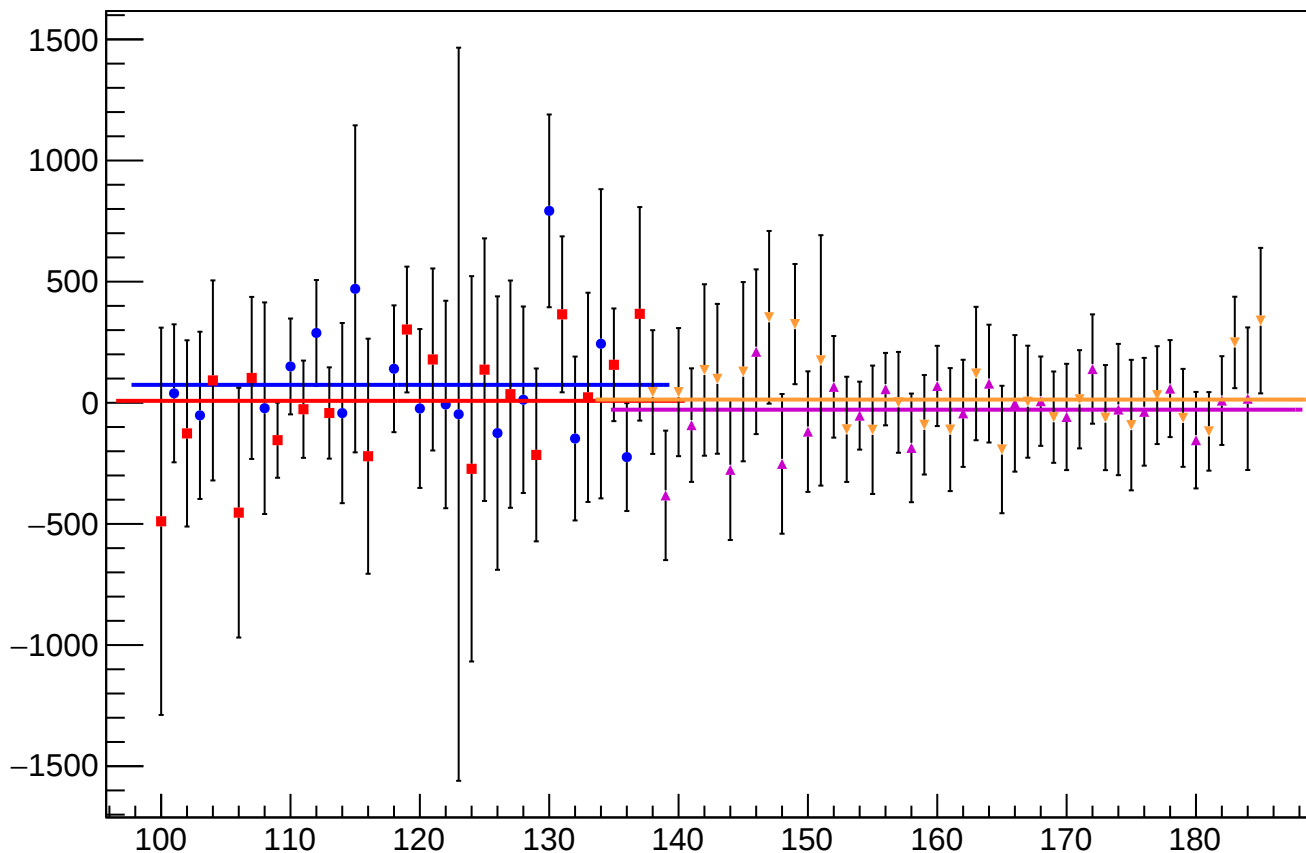
Left In: 205.808 $\pm$ 0.036 χ^2 /NDF:1094330.7/22

+ sign 174.404 $\pm$ 0.026 χ^2 /NDF: 4268760.5/41

All: 171.851 $\pm$ 0.018 χ^2 /NDF: 9049677.5/83

- sign 169.350 $\pm$ 0.026 χ^2 /NDF: 4761849.5/41

asym_bcm_an_ds_mean vs Slug



Right In: 74.036 ± 79.233 χ^2/NDF : 7.6/16

Left Out: 13.297 ± 47.615 χ^2/NDF : 8.7/24

Right Out: 8.046 ± 70.080 χ^2/NDF : 7.2/18

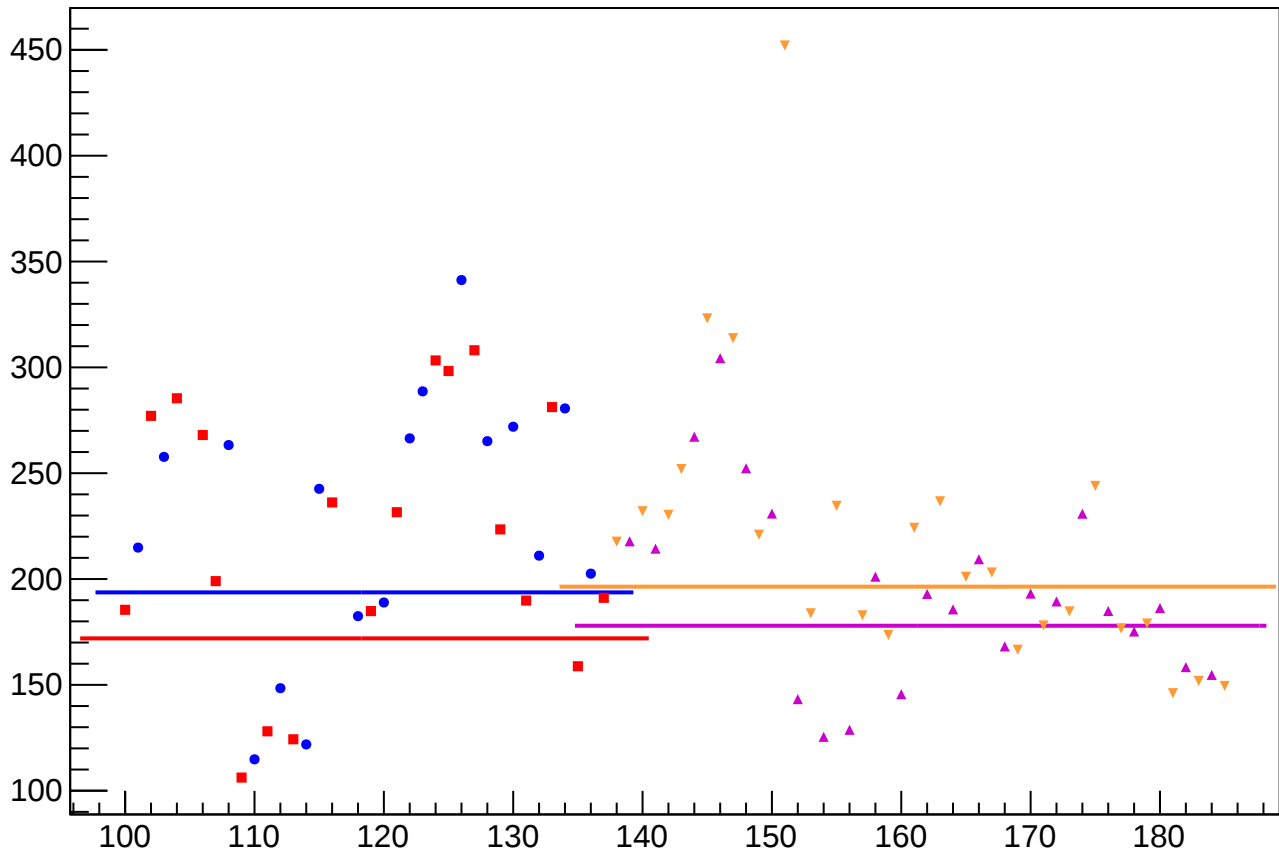
Left In: -28.452 ± 44.688 χ^2/NDF : 6.7/22

+ sign 29.413 ± 40.812 χ^2/NDF : 16.8/41

All: 3.871 ± 27.685 χ^2/NDF : 31.6/83

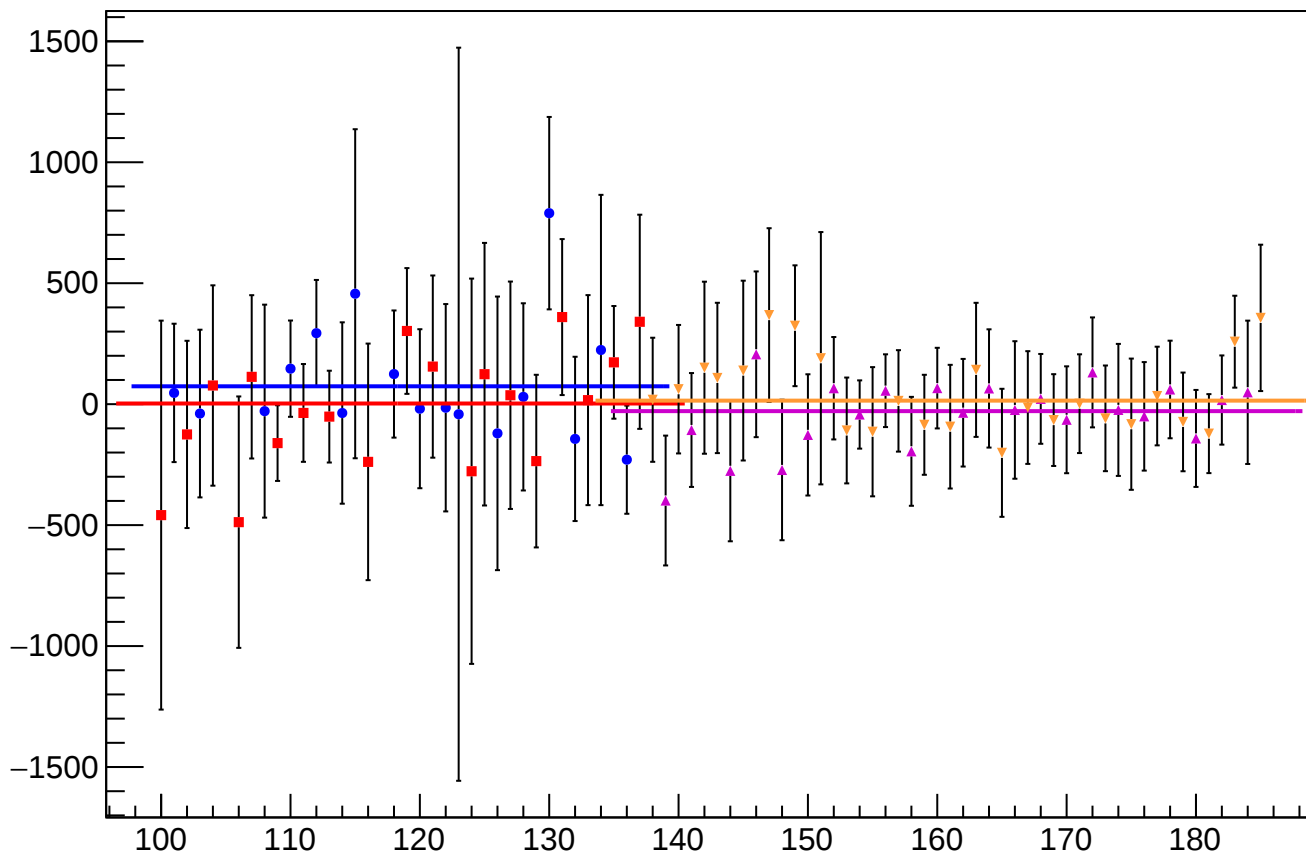
- sign -17.901 ± 37.679 χ^2/NDF : 14.1/41

asym_bcm_an_ds_rms vs Slug



Right In: 193.695 $\pm$ 0.056	χ^2 /NDF: 1018039.6/16	+ sign 195.683 $\pm$ 0.029	χ^2 /NDF: 2785933.6/41
Left Out: 196.401 $\pm$ 0.034	χ^2 /NDF: 1766180.7/24	All: 185.169 $\pm$ 0.020	χ^2 /NDF: 6222295.4/83
Right Out: 171.963 $\pm$ 0.050	χ^2 /NDF: 1574387.3/18	- sign 176.207 $\pm$ 0.027	χ^2 /NDF: 3190486.5/41
Left In: 177.933 $\pm$ 0.032	χ^2 /NDF: 1605780.8/22		

asym_bcm_an_ds3_mean vs Slug



Right In: 73.822 $\pm$ 79.620 χ^2 /NDF: 7.5/16

Left Out: 14.593 $\pm$ 47.947 χ^2 /NDF: 9.1/24

Right Out: 2.721 $\pm$ 70.450 χ^2 /NDF: 7.4/18

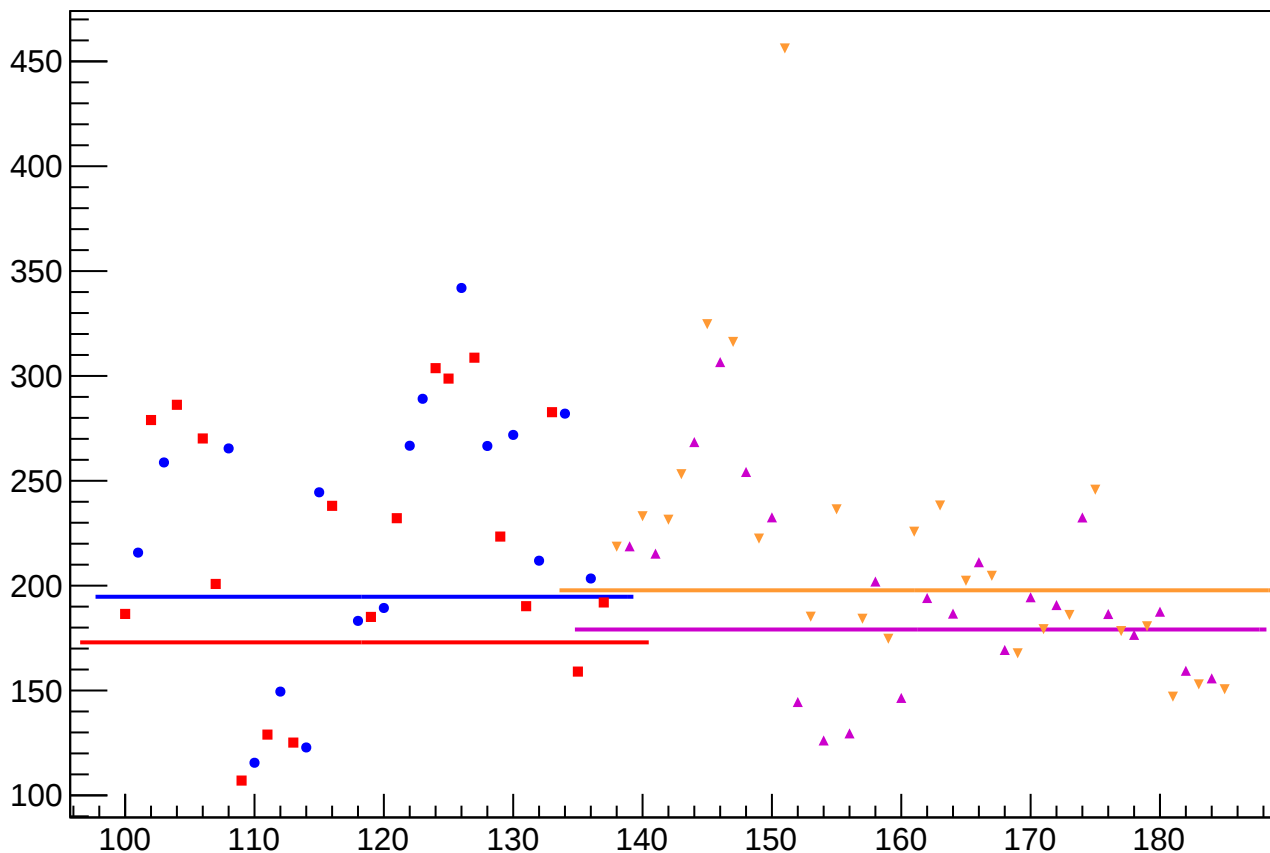
Left In: -28.806 $\pm$ 44.980 χ^2 /NDF: 6.8/22

+ sign 30.356 $\pm$ 41.074 χ^2 /NDF: 17.0/41

All: 3.340 $\pm$ 27.859 χ^2 /NDF: 32.2/83

- 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: 197.777 $\pm$ 0.034 χ^2 /NDF: 1762178.0/24

Right Out: 172.953 $\pm$ 0.050 χ^2 /NDF: 1562179.1/18

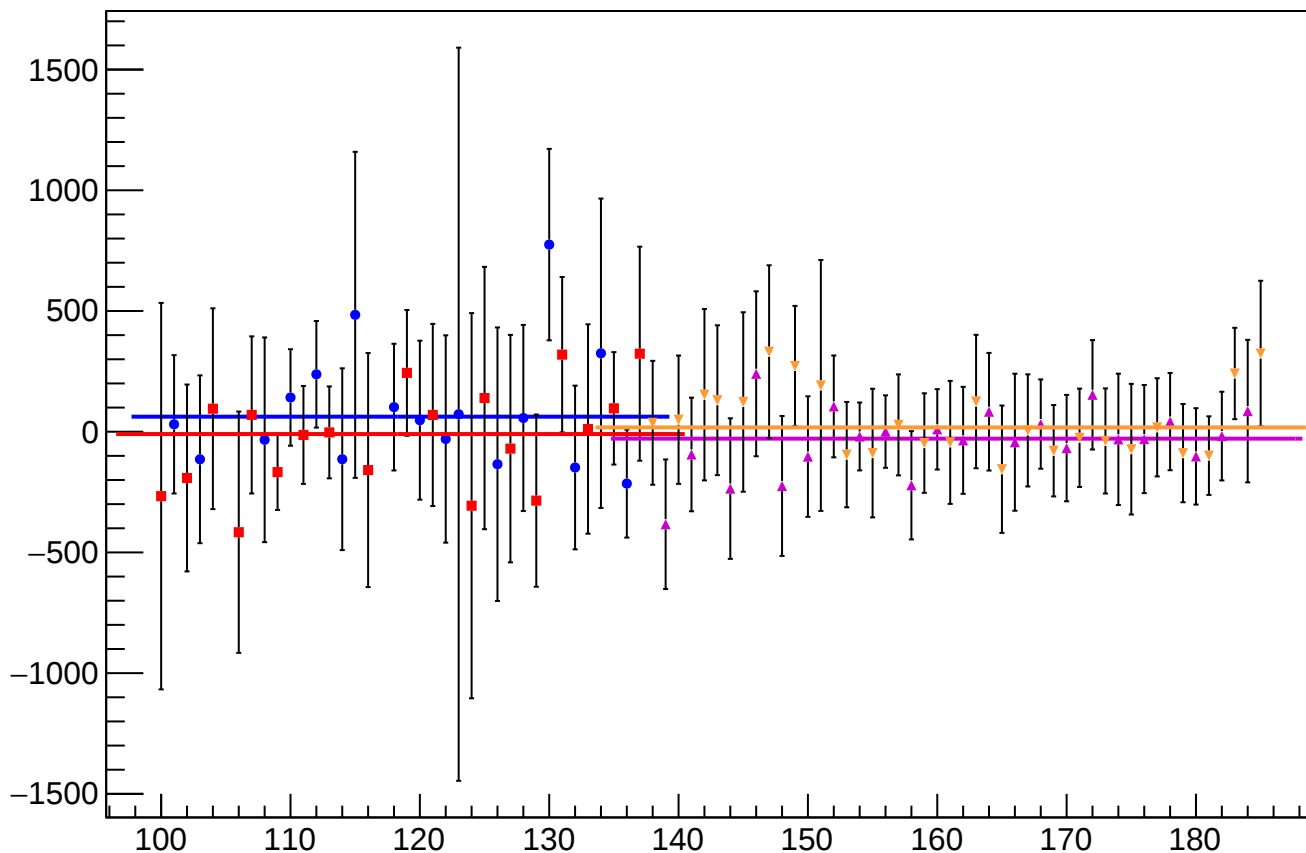
Left In: 179.090 $\pm$ 0.032 χ^2 /NDF: 1605113.3/22

+ sign 196.959 $\pm$ 0.029 χ^2 /NDF: 2773970.1/41

All: 186.351 $\pm$ 0.020 χ^2 /NDF: 6199125.4/83

- sign 177.313 $\pm$ 0.027 χ^2 /NDF: 3178072.5/41

asym_bcm_an_us_mean vs Slug



Right In: 62.284 $\pm$ 79.616 χ^2 /NDF: 7.2/16

Left Out: 17.844 $\pm$ 47.822 χ^2 /NDF: 7.2/24

Right Out: -9.662 $\pm$ 70.372 χ^2 /NDF: 5.9/18

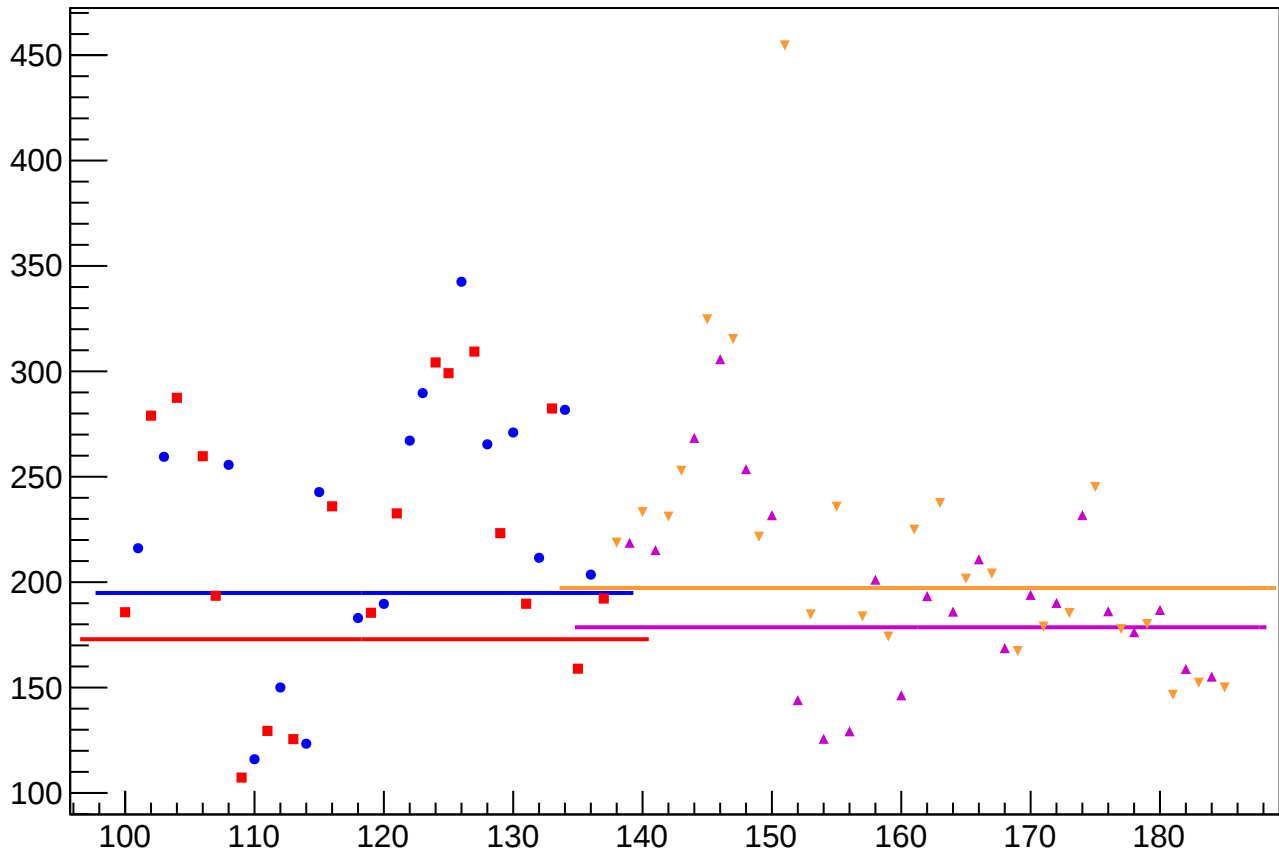
Left In: -28.655 $\pm$ 44.859 χ^2 /NDF: 6.1/22

+ sign 29.626 $\pm$ 40.995 χ^2 /NDF: 14.6/41

All: 1.111 $\pm$ 27.800 χ^2 /NDF: 27.6/83

- sign -23.168 $\pm$ 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: 197.246 $\pm$ 0.034 χ^2 /NDF: 1767722.0/24

Right Out: 172.928 $\pm$ 0.050 χ^2 /NDF: 1539123.2/18

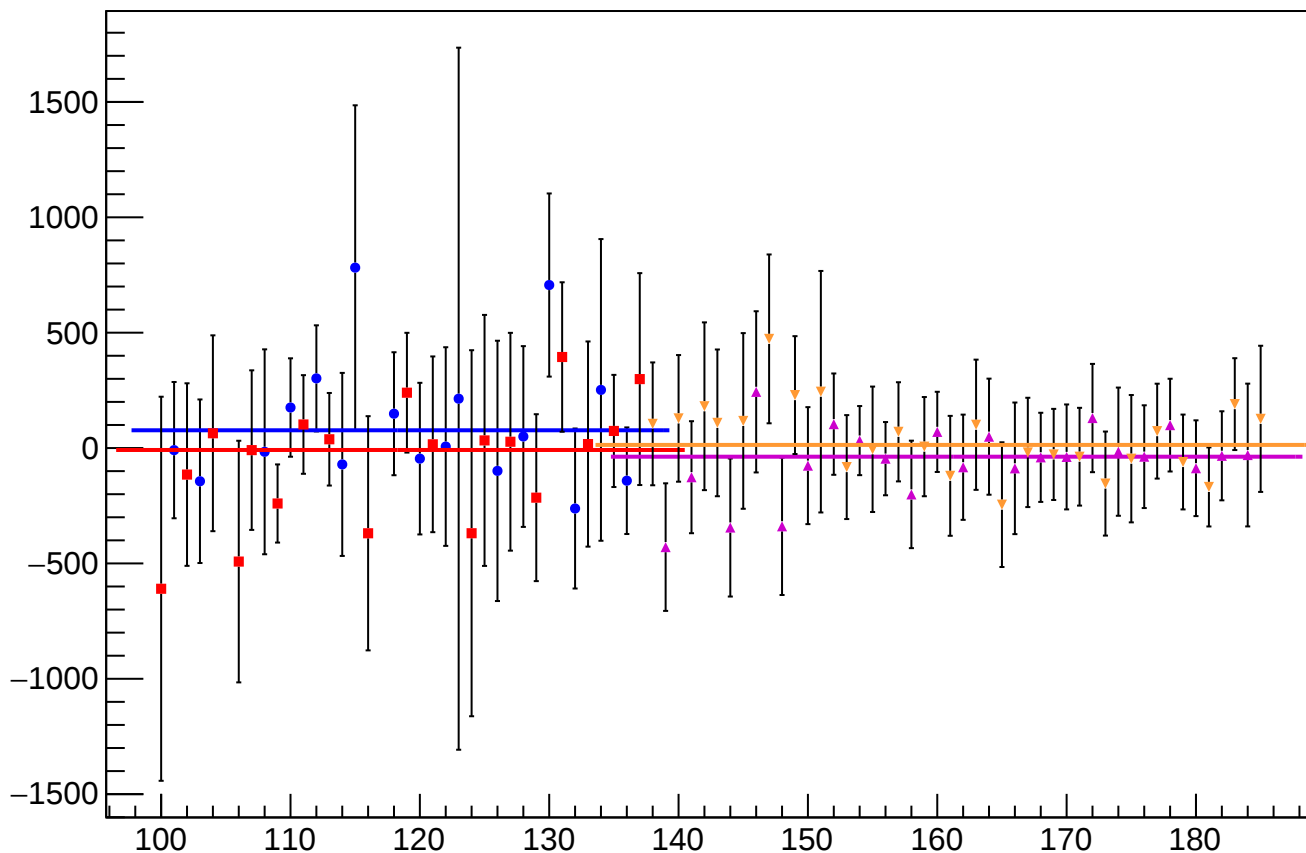
Left In: 178.601 $\pm$ 0.032 χ^2 /NDF: 1608998.1/22

+ sign 196.615 $\pm$ 0.029 χ^2 /NDF: 2756577.7/41

All: 186.000 $\pm$ 0.020 χ^2 /NDF: 6162222.6/83

- sign 176.962 $\pm$ 0.027 χ^2 /NDF: 3157365.4/41

asym_bcm_dg_us_mean vs Slug



Right In: 77.030+/-82.098 χ^2/NDF : 7.6/16

Left Out: 13.612+/-49.329 χ^2/NDF : 7.7/24

Right Out: -8.365+/-73.326 χ^2/NDF : 7.8/18

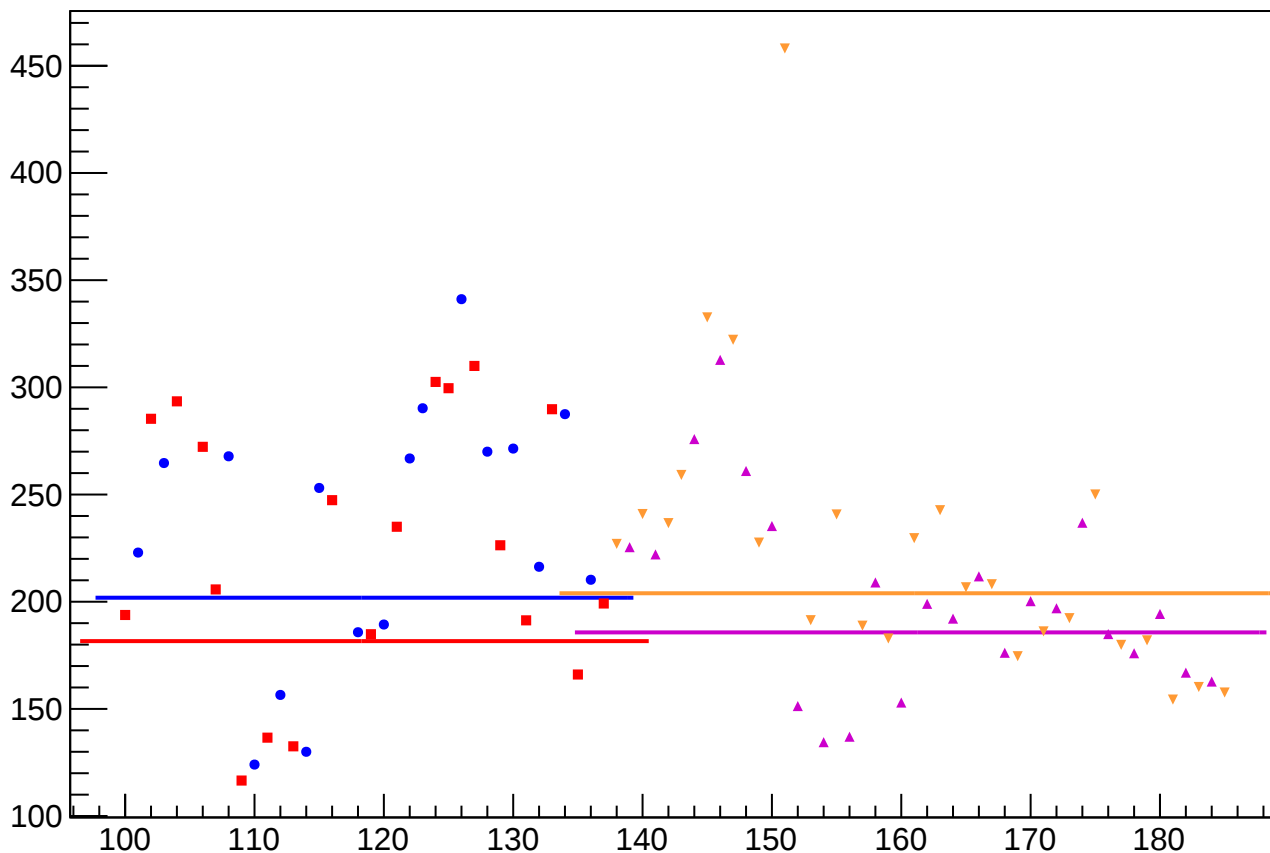
Left In: -37.460+/-46.479 χ^2/NDF : 7.6/22

+ sign 30.434+/-42.284 χ^2/NDF : 15.7/41

All: -1.551+/-28.769 χ^2/NDF : 32.3/83

- sign -29.121+/-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: 203.952 $\pm$ 0.035 χ^2 /NDF:1660453.9/24

Right Out: 181.626 $\pm$ 0.052 χ^2 /NDF: 1373392.9/18

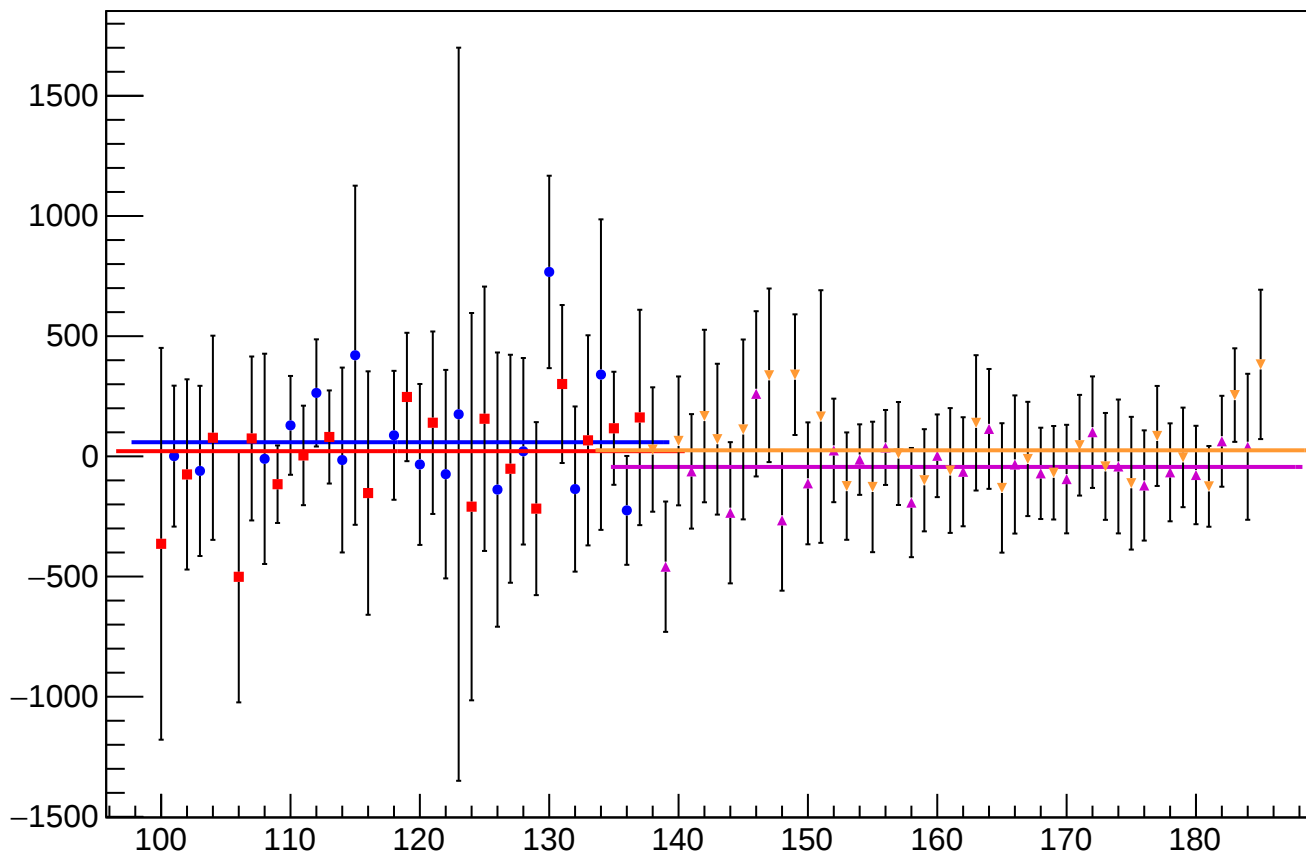
Left In: 185.694 $\pm$ 0.033 χ^2 /NDF:1447767.0/22

+ sign 203.400 $\pm$ 0.030 χ^2 /NDF: 2545808.5/41

All: 193.264 $\pm$ 0.020 χ^2 /NDF: 5585344.7/83

- sign 184.528 $\pm$ 0.028 χ^2 /NDF: 2825550.4/41

asym_bcm_dg_ds_mean vs Slug



Right In: 58.835 $\pm$ 81.036 χ^2 /NDF: 7.0/16

Left Out: 25.162 $\pm$ 48.870 χ^2 /NDF: 8.6/24

Right Out: 21.559 $\pm$ 71.880 χ^2 /NDF: 4.7/18

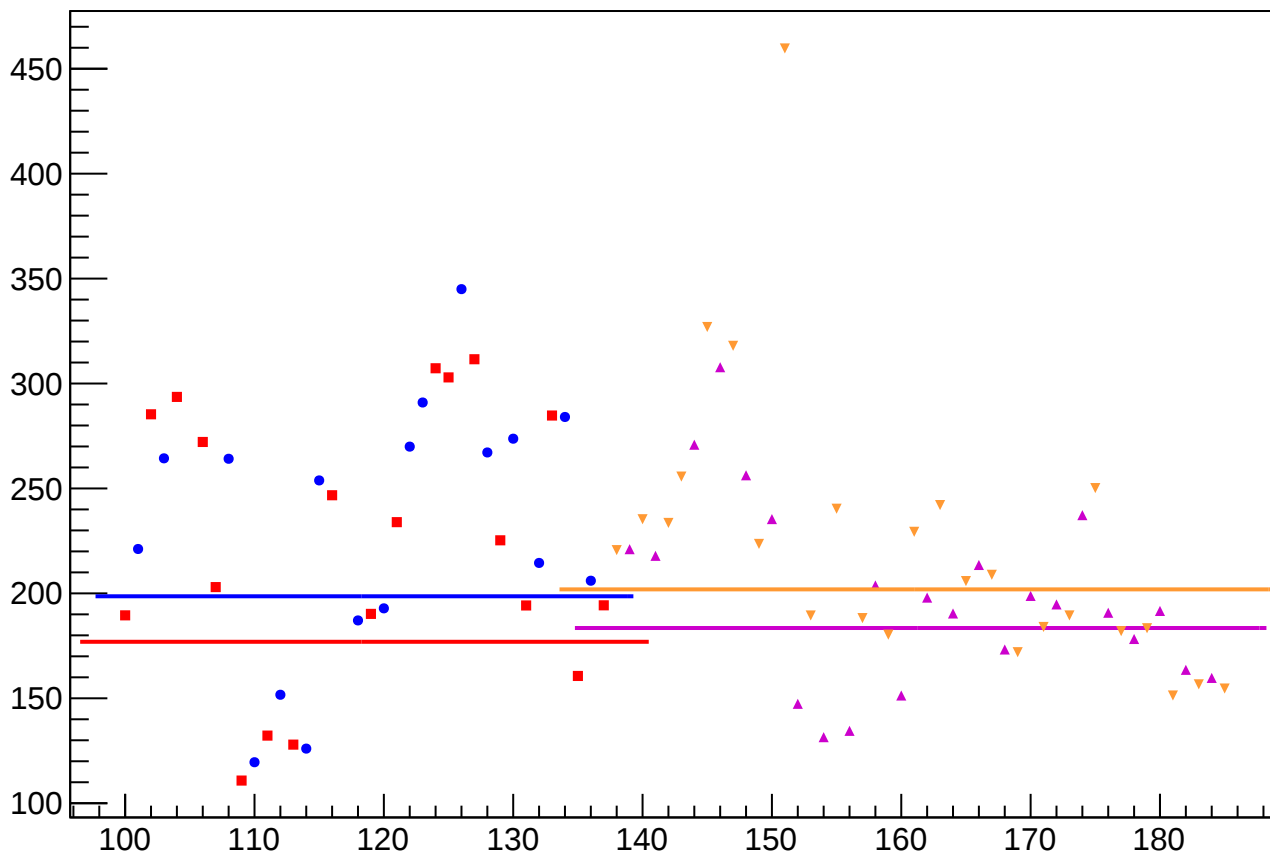
Left In: -43.978 $\pm$ 45.981 χ^2 /NDF: 6.5/22

+ sign 34.142 $\pm$ 41.849 χ^2 /NDF: 15.7/41

All: 2.316 $\pm$ 28.427 χ^2 /NDF: 28.6/83

- sign -24.948 $\pm$ 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: 201.905 $\pm$ 0.035 χ^2 /NDF:1681196.4/24

Right Out: 176.933 $\pm$ 0.051 χ^2 /NDF: 1519414.5/18

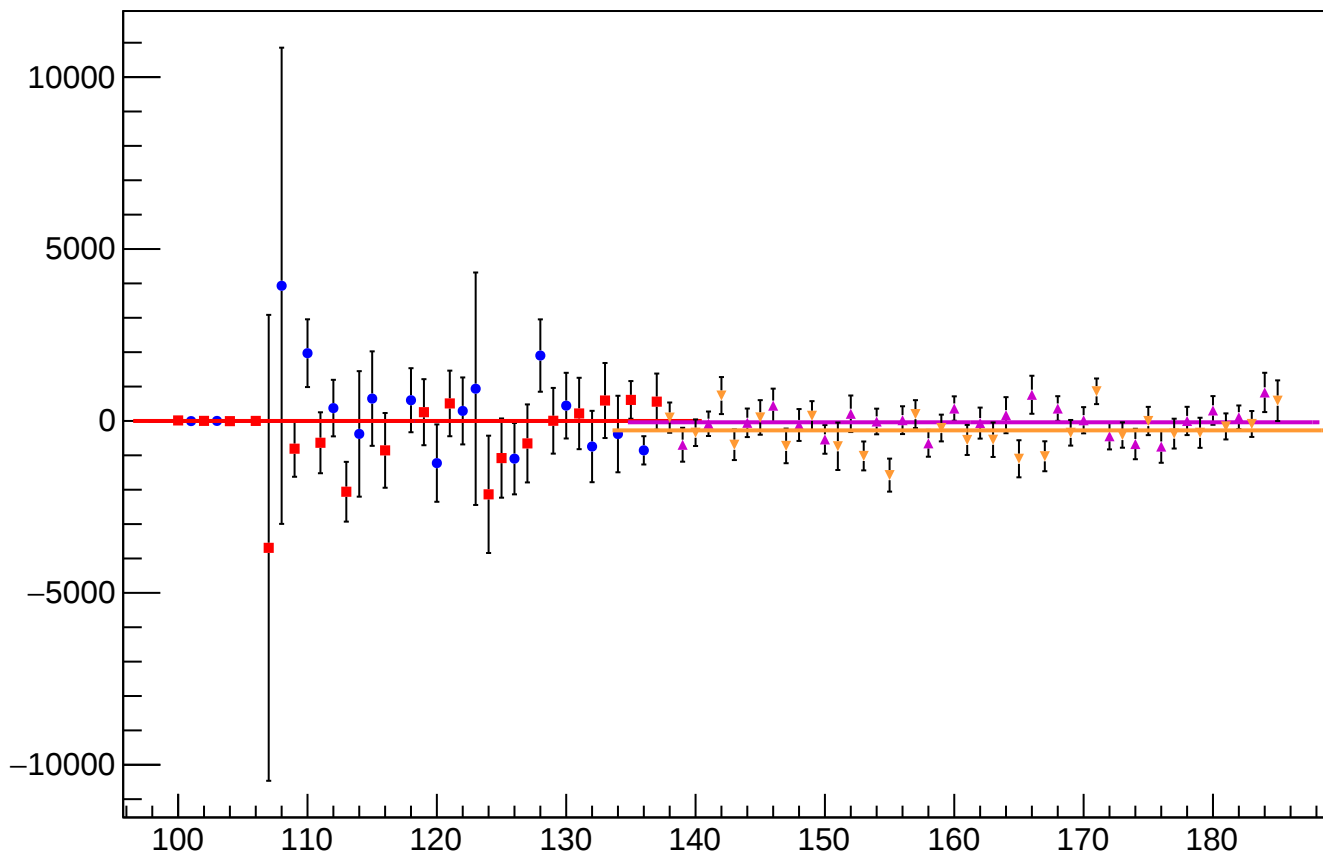
Left In: 183.498 $\pm$ 0.033 χ^2 /NDF:1483383.4/22

+ sign 201.027 $\pm$ 0.030 χ^2 /NDF: 2648692.5/41

All: 190.559 $\pm$ 0.020 χ^2 /NDF: 5895666.3/83

- 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: -273.910 ± 87.192 χ^2/NDF : 38.3/24

Right Out: -0.726 ± 2.111 χ^2/NDF : 19.1/18

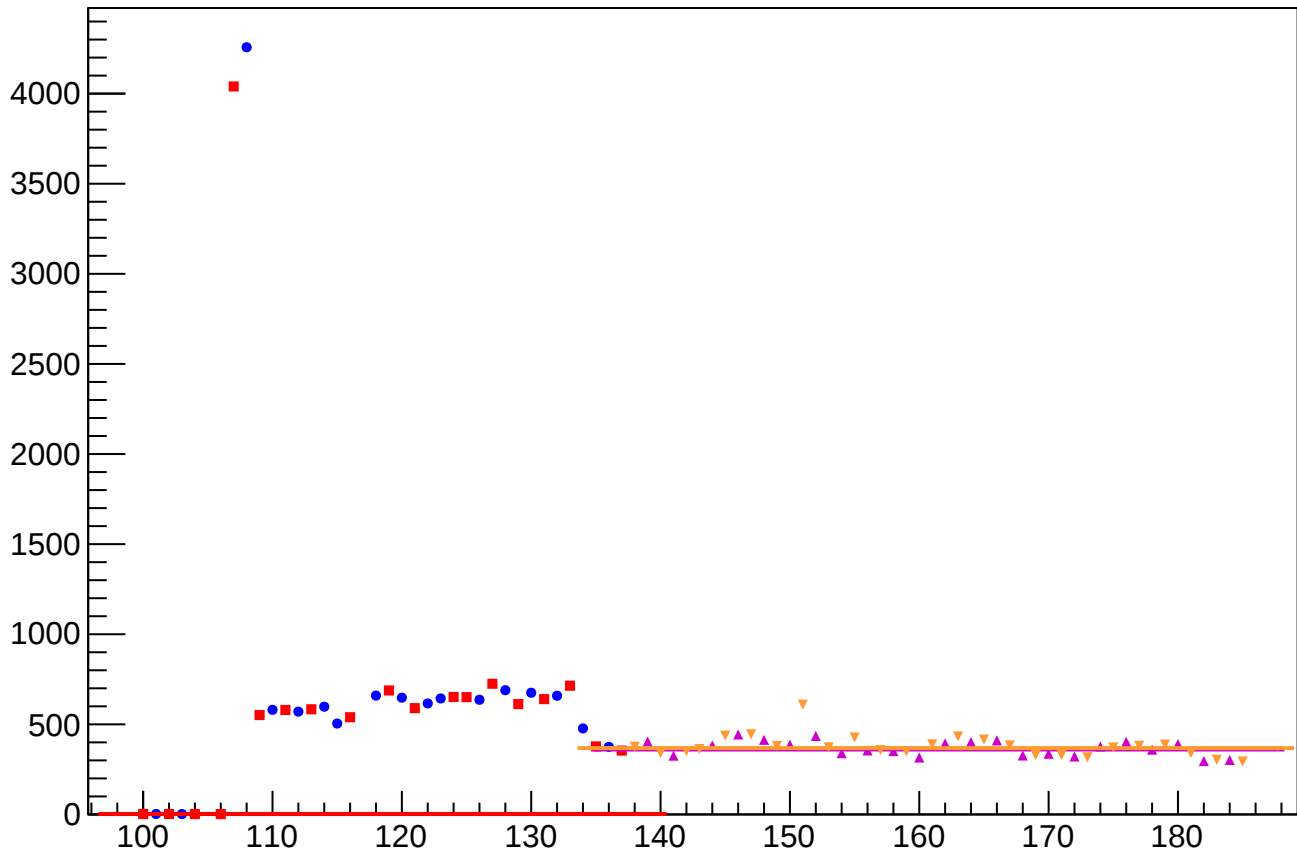
Left In: -39.078 ± 87.769 χ^2/NDF : 20.3/22

+ sign -1.711 ± 2.251 χ^2/NDF : 65.5/41

All: -1.199 ± 1.540 χ^2/NDF : 105.2/83

- 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: 368.323+/-0.062 χ^2/NDF : 622160.3/24

Right Out: 2.437+/-0.001 χ^2/NDF : 11101281.1/18

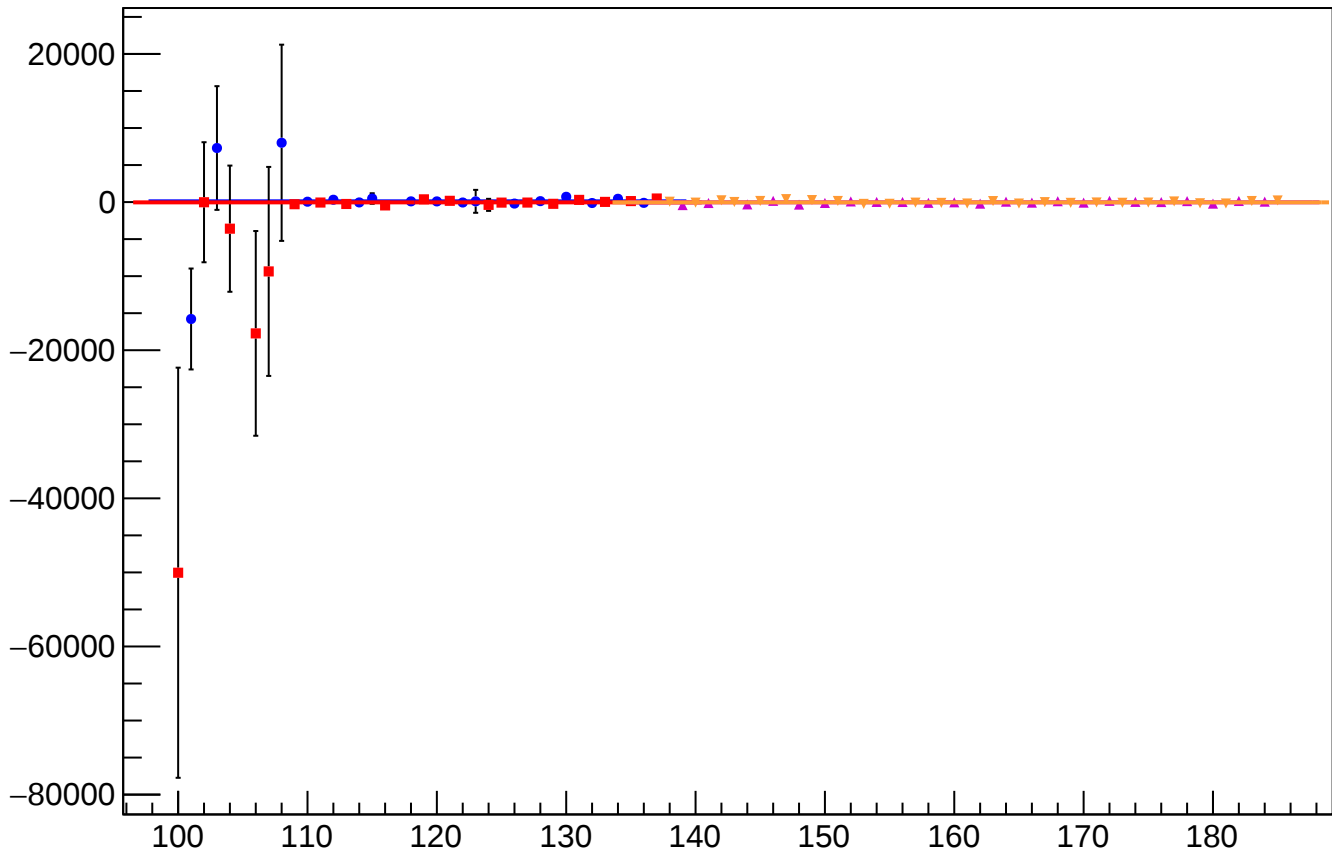
Left In: 360.408+/-0.062 χ^2/NDF : 417739.4/22

+ sign 2.700+/-0.002 χ^2/NDF : 46621619.4/41

All: 2.670+/-0.001 χ^2/NDF : 91391126.3/83

- 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: -37.008 $\pm$ 49.703 χ^2 /NDF: 9.3/24

Right Out: -37.835 $\pm$ 84.525 χ^2 /NDF: 14.0/18

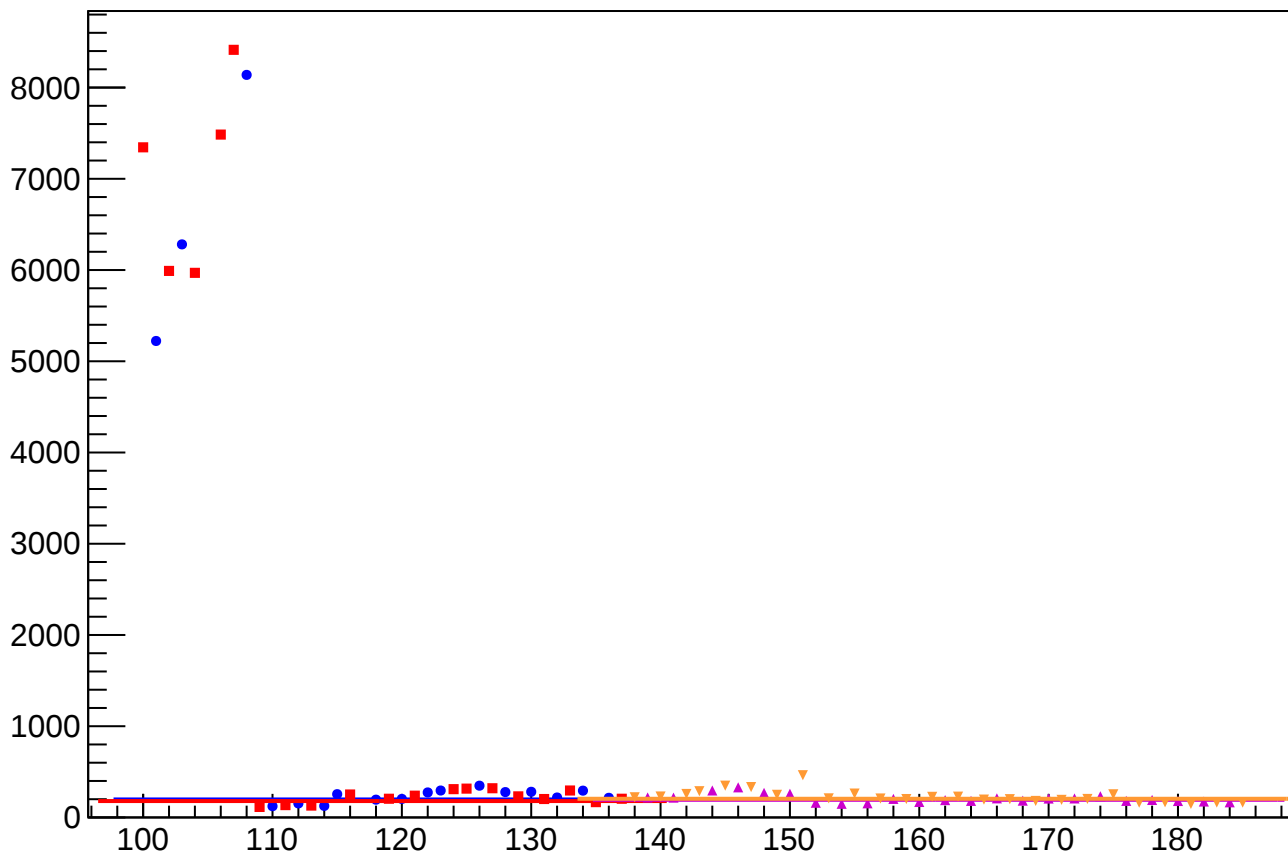
Left In: -28.205 $\pm$ 48.167 χ^2 /NDF: 9.2/22

+ sign -5.442 $\pm$ 43.638 χ^2 /NDF: 23.1/41

All: -18.529 $\pm$ 30.204 χ^2 /NDF: 46.5/83

- sign -30.565 $\pm$ 41.849 χ^2 /NDF: 23.2/41

asym_cav4cQ_rms vs Slug



Right In: 197.308 $\pm$ 0.064 χ^2 /NDF: 3696256.2/16

Left Out: 204.807 $\pm$ 0.035 χ^2 /NDF:1938142.6/24

Right Out: 179.749 $\pm$ 0.060 χ^2 /NDF: 4315581.1/18

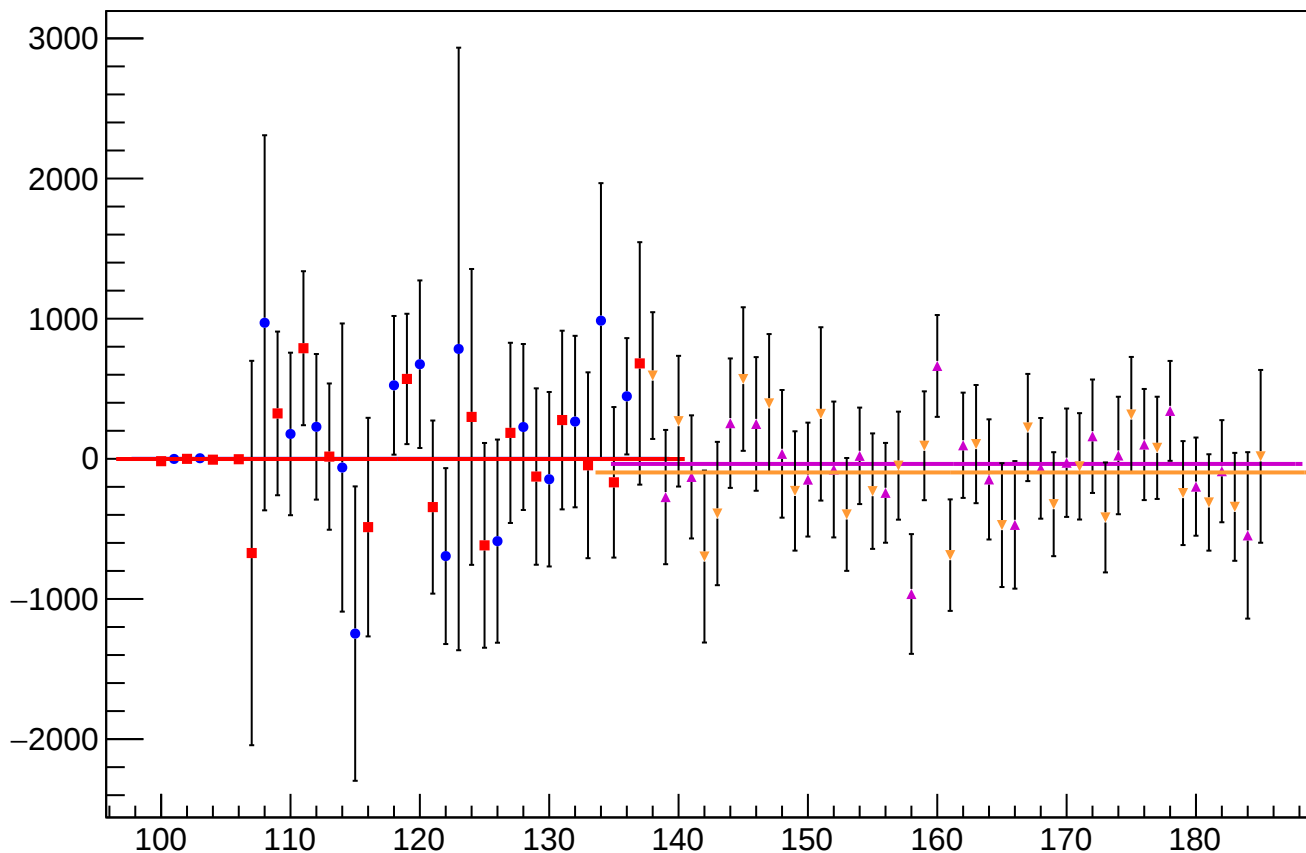
Left In: 193.405 $\pm$ 0.034 χ^2 /NDF:1172169.3/22

+ sign 203.089 $\pm$ 0.031 χ^2 /NDF: 5644834.2/41

All: 196.300 $\pm$ 0.021 χ^2 /NDF: 11264902.2/83

- sign 190.057 $\pm$ 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: -97.229 ± 84.349 χ^2/NDF : 15.5/24

Right Out: -1.323 ± 1.623 χ^2/NDF : 9.4/18

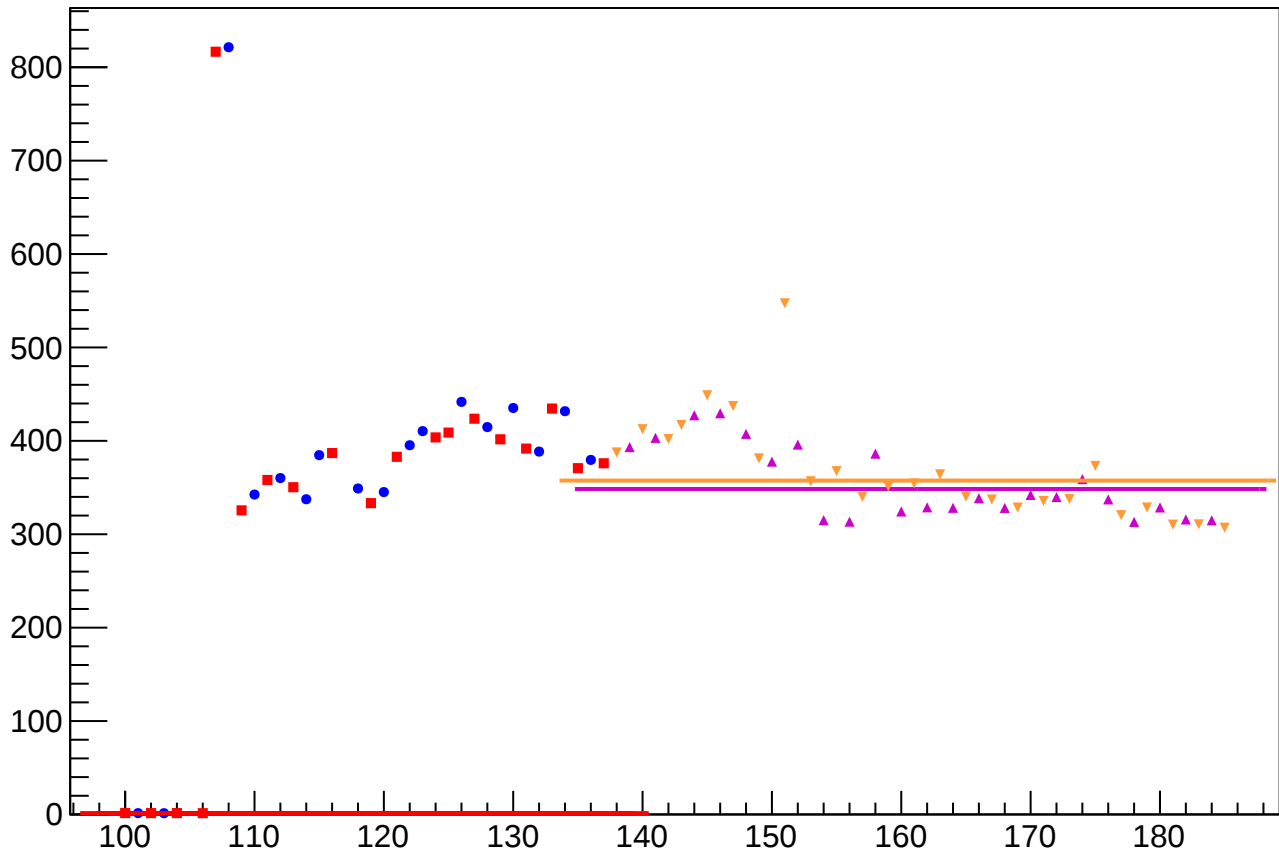
Left In: -36.497 ± 84.675 χ^2/NDF : 13.5/22

+ sign -0.181 ± 1.736 χ^2/NDF : 26.9/41

All: -0.797 ± 1.185 χ^2/NDF : 50.2/83

- 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: 357.477 ± 0.060 χ^2/NDF : 539693.6/24

Right Out: 1.451 ± 0.001 χ^2/NDF : 10838834.3/18

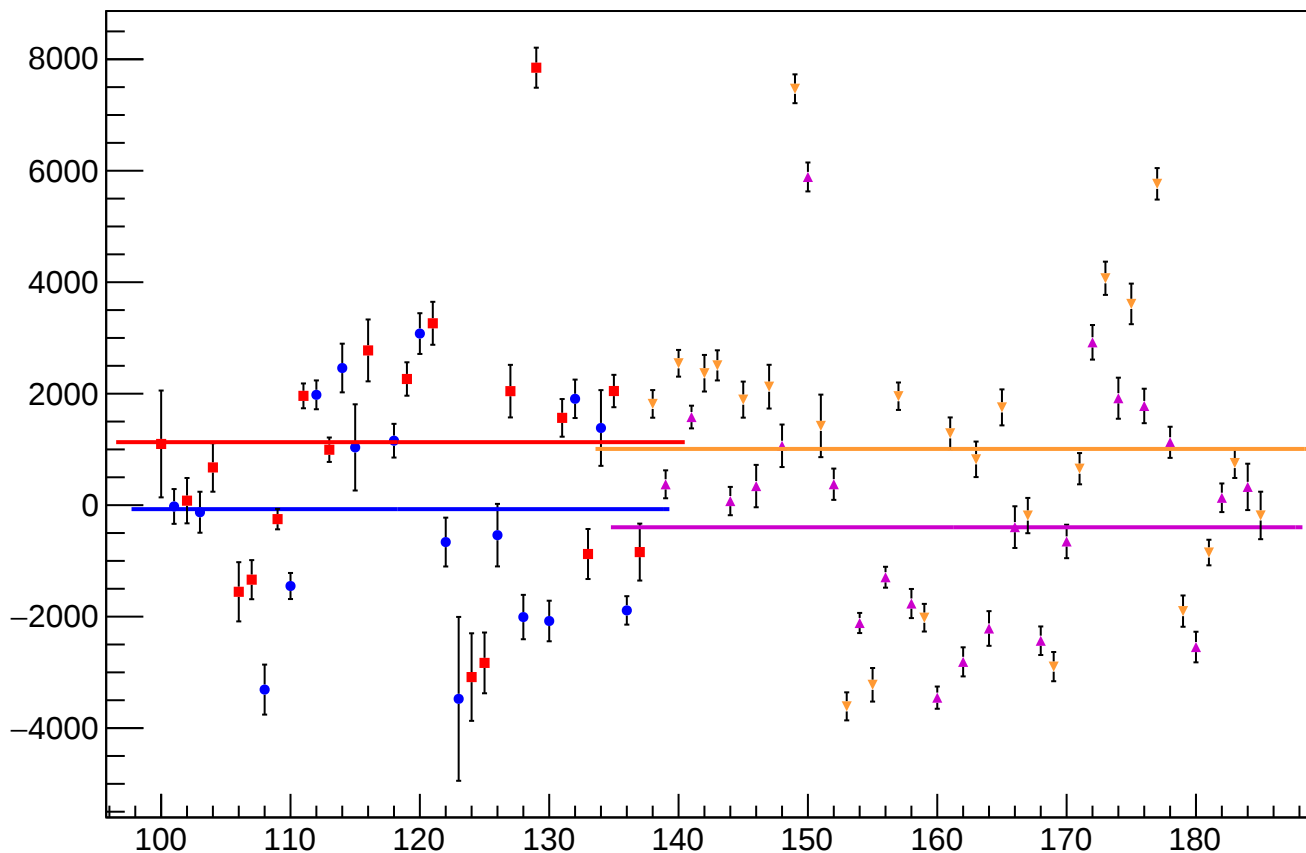
Left In: 348.464 ± 0.060 χ^2/NDF : 360425.7/22

+ sign 1.603 ± 0.001 χ^2/NDF : 47070225.8/41

All: 1.590 ± 0.001 χ^2/NDF : 91847264.4/83

- sign 1.578 ± 0.001 χ^2/NDF : 44776814.4/41

asym_bcm0l02_mean vs Slug



Right In: -71.539+/-87.764 χ^2 /NDF: 426.3/16

Left Out: 1008.850+/-57.565 χ^2 /NDF:2304.2/24

Right Out: 1130.395+/-78.436 χ^2 /NDF: 688.9/18

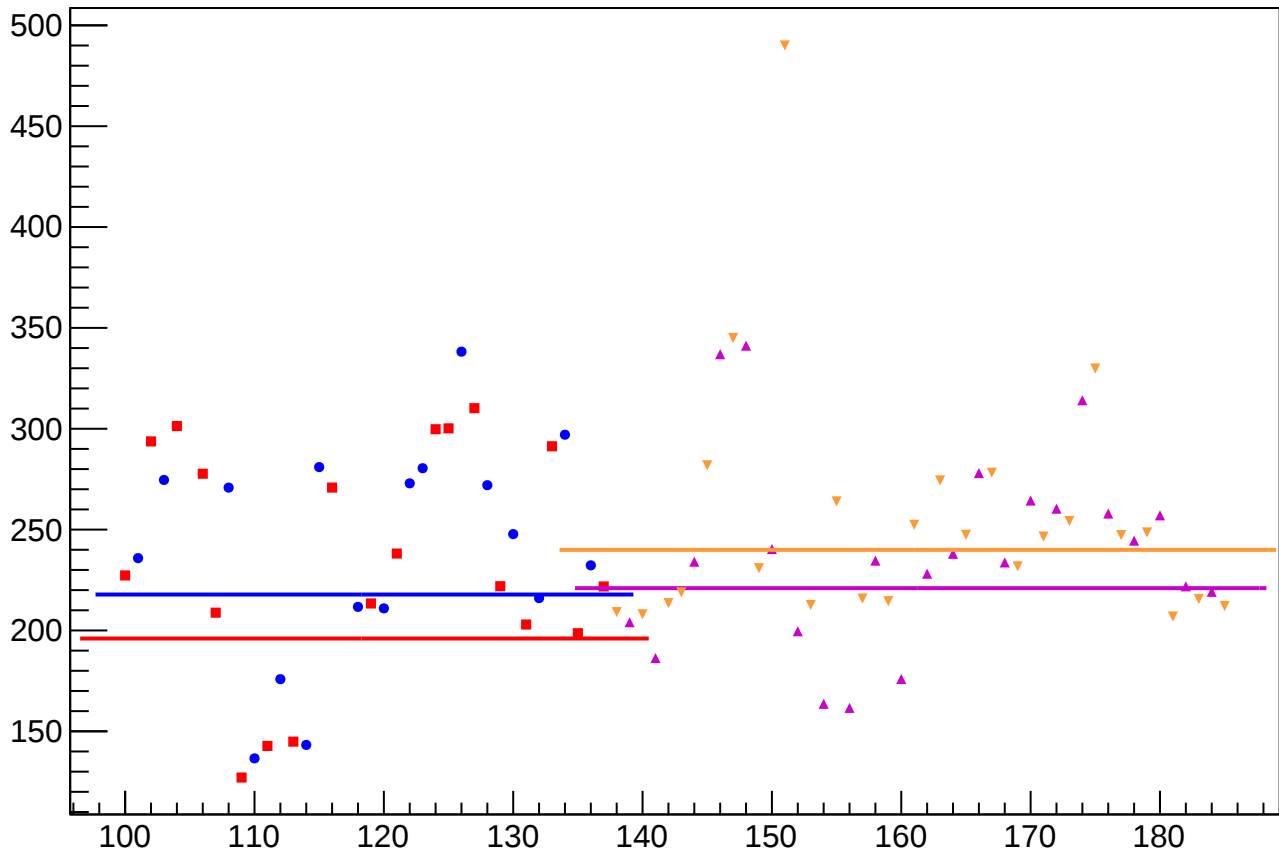
Left In: -396.609+/-55.090 χ^2 /NDF:1581.0/22

+ sign 683.867+/-48.135 χ^2 /NDF: 2836.5/41

All: 377.001+/-32.904 χ^2 /NDF: 5436.5/83

- sign 107.828+/-45.082 χ^2 /NDF: 2523.7/41

asym_bcm0l02_rms vs Slug



Right In: 217.814 $\pm$ 0.062 χ^2 /NDF: 661049.8/16

Left Out: 239.962 $\pm$ 0.041 χ^2 /NDF:1001639.2/24

Right Out: 196.014 $\pm$ 0.055 χ^2 /NDF: 1189121.8/18

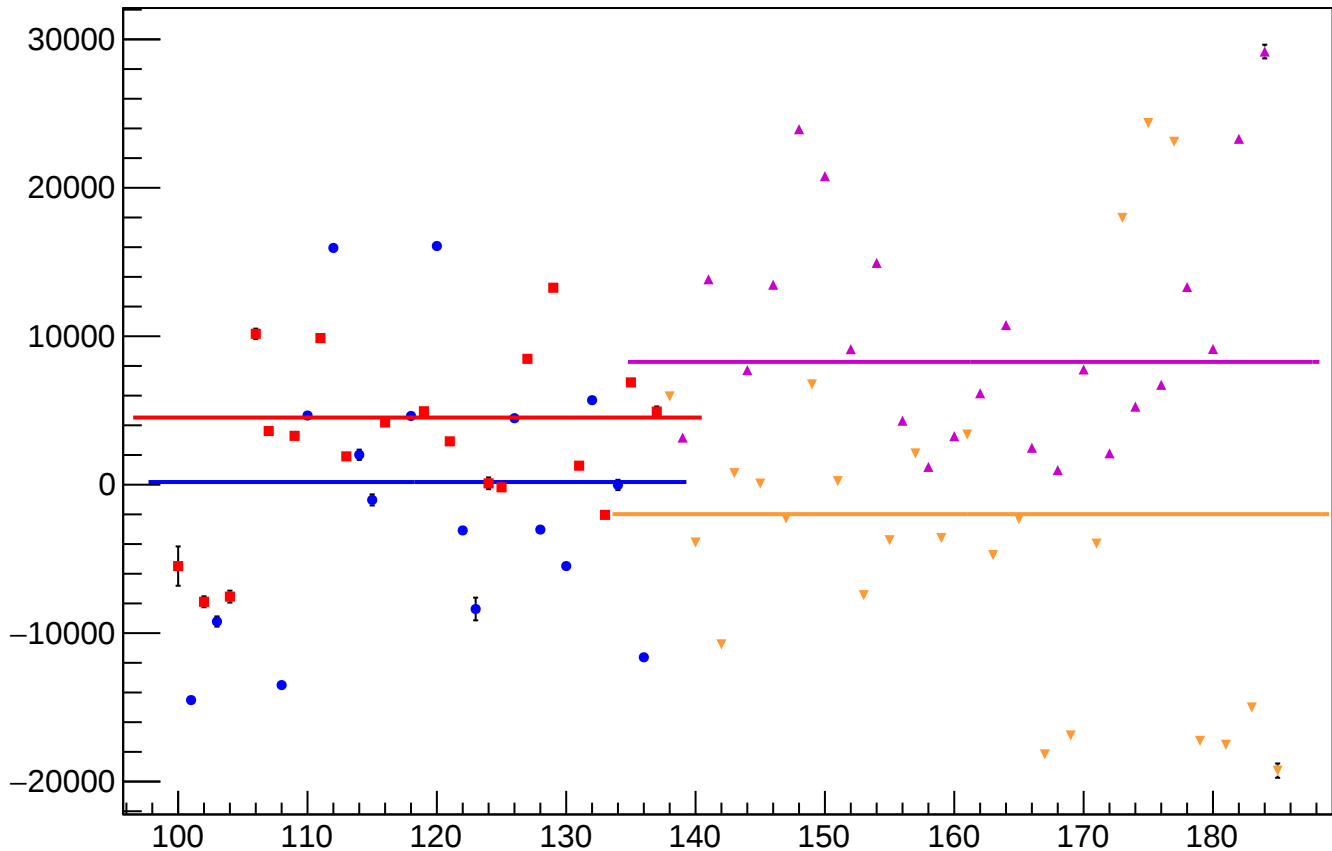
Left In: 220.972 $\pm$ 0.039 χ^2 /NDF:1327680.6/22

+ sign 233.300 $\pm$ 0.034 χ^2 /NDF: 1751745.8/41

All: 222.340 $\pm$ 0.023 χ^2 /NDF: 4598780.3/83

- sign 212.727 $\pm$ 0.032 χ^2 /NDF: 2652405.5/41

asym_bpm0i02WS_mean vs Slug



Right In: 178.788 $\pm$ 54.896 χ^2 /NDF: 30662.2/16

Left Out: -1984.621 $\pm$ 42.506 χ^2 /NDF:63793.3/24

Right Out: 4523.222 $\pm$ 52.440 χ^2 /NDF: 7474.2/18

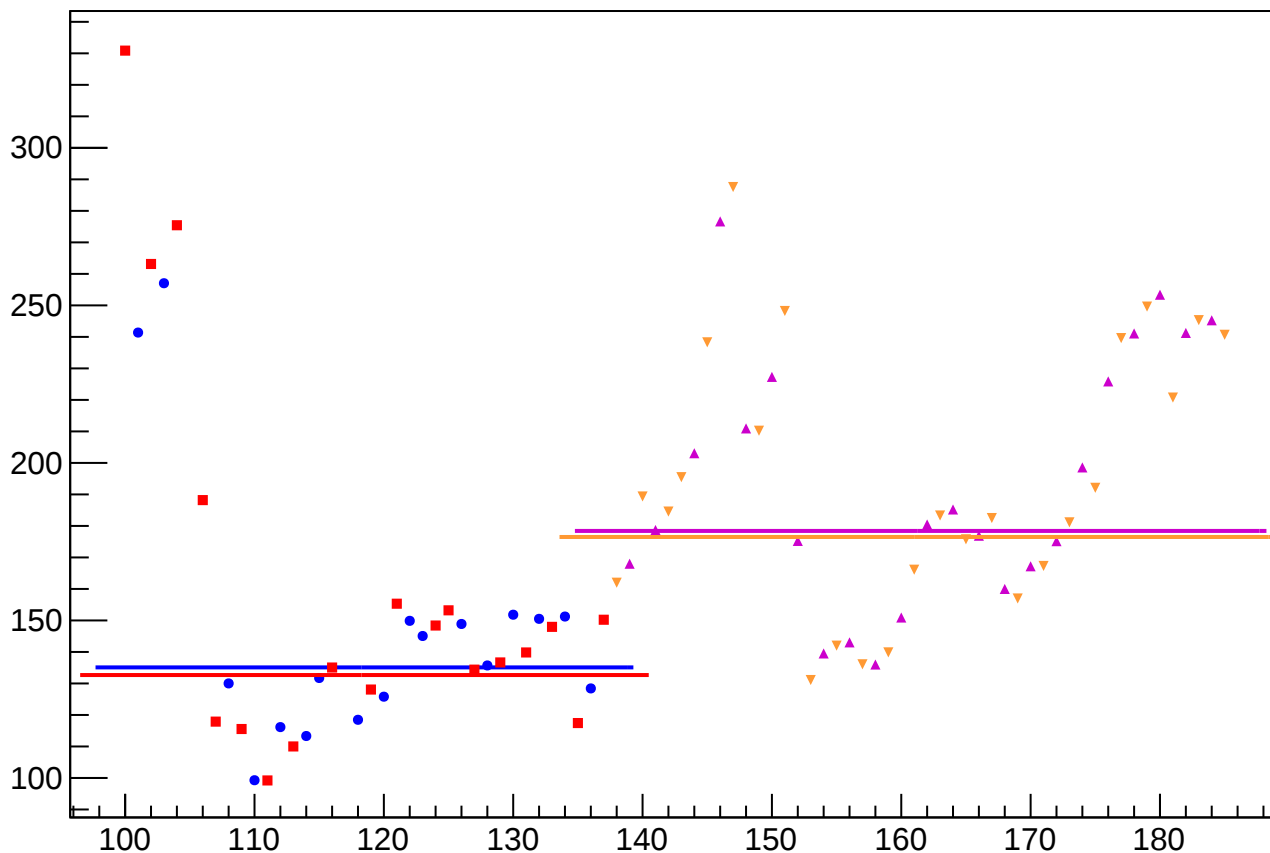
Left In: 8273.228 $\pm$ 44.301 χ^2 /NDF:22870.2/22

+ sign -1173.740 $\pm$ 33.609 χ^2 /NDF: 95426.4/41

All: 2741.674 $\pm$ 23.847 χ^2 /NDF: 156087.7/83

- sign 6711.488 $\pm$ 33.841 χ^2 /NDF: 33328.4/41

asym_bpm0i02WS_rms vs Slug



Right In: 135.099 $\pm$ 0.039 χ^2 /NDF: 657657.4/16

Left Out: 176.492 $\pm$ 0.030 χ^2 /NDF: 1545933.2/24

Right Out: 132.672 $\pm$ 0.037 χ^2 /NDF: 828363.1/18

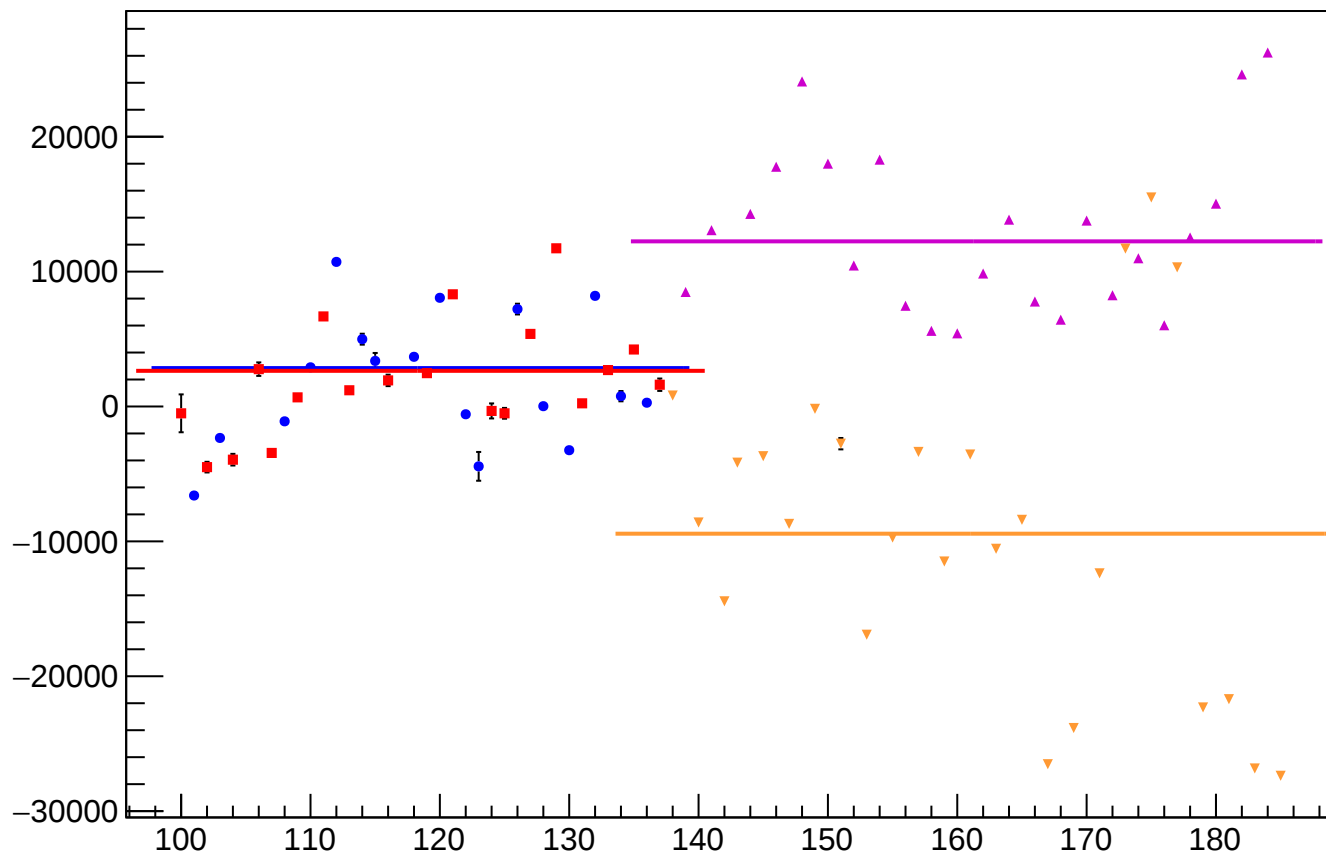
Left In: 178.413 $\pm$ 0.031 χ^2 /NDF: 1293736.2/22

+ sign 160.977 $\pm$ 0.024 χ^2 /NDF: 2914486.1/41

All: 160.176 $\pm$ 0.017 χ^2 /NDF: 5926830.7/83

- sign 159.364 $\pm$ 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: -9431.211+/-45.640 χ^2/NDF : 62223.5/24

Right Out: 2643.505+/-65.711 χ^2/NDF : 3177.7/18

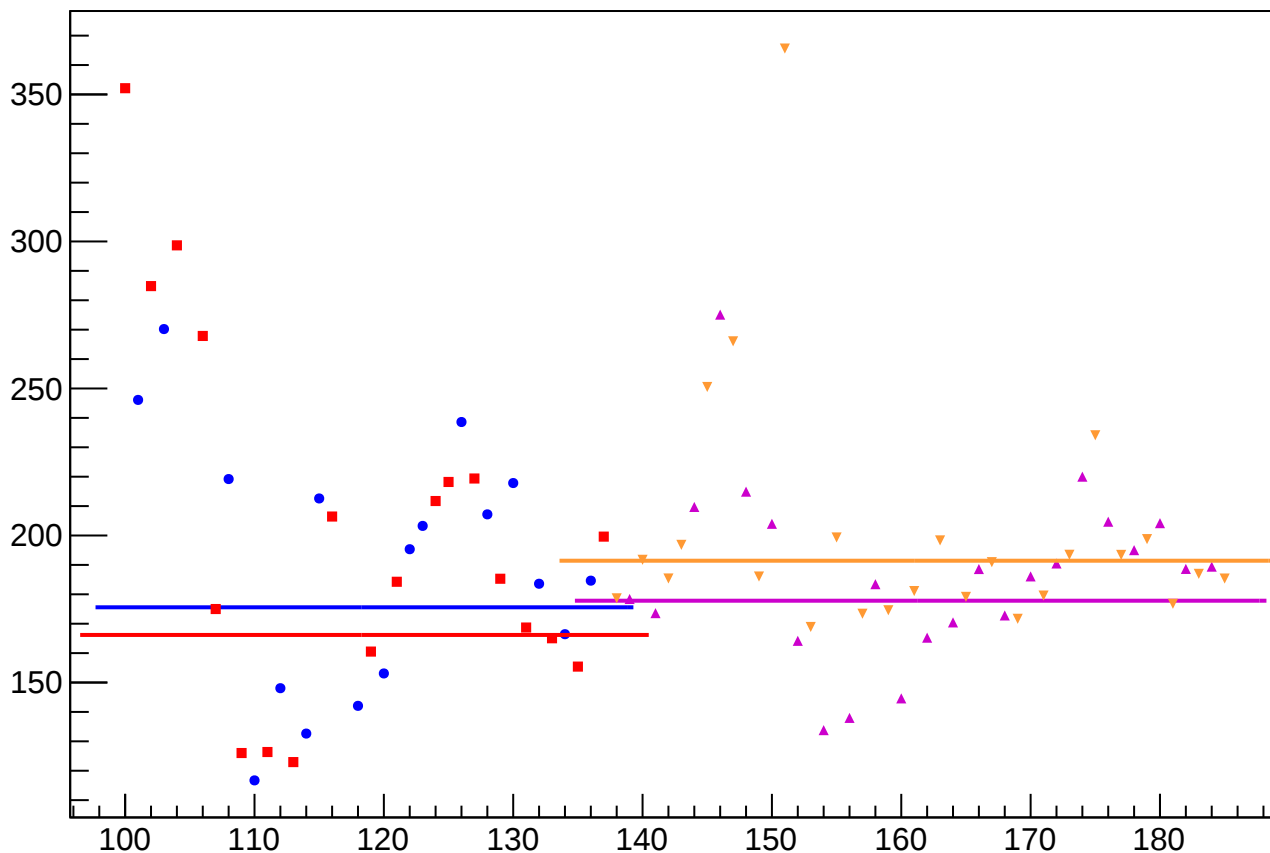
Left In: 12242.226+/-43.944 χ^2/NDF : 16615.8/22

+ sign -5833.812+/-38.375 χ^2/NDF : 87586.8/41

All: 2093.354+/-26.458 χ^2/NDF : 203458.1/83

- 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: 191.425+/-0.032 χ^2/NDF : 726315.0/24

Right Out: 166.180+/-0.046 χ^2/NDF : 925559.0/18

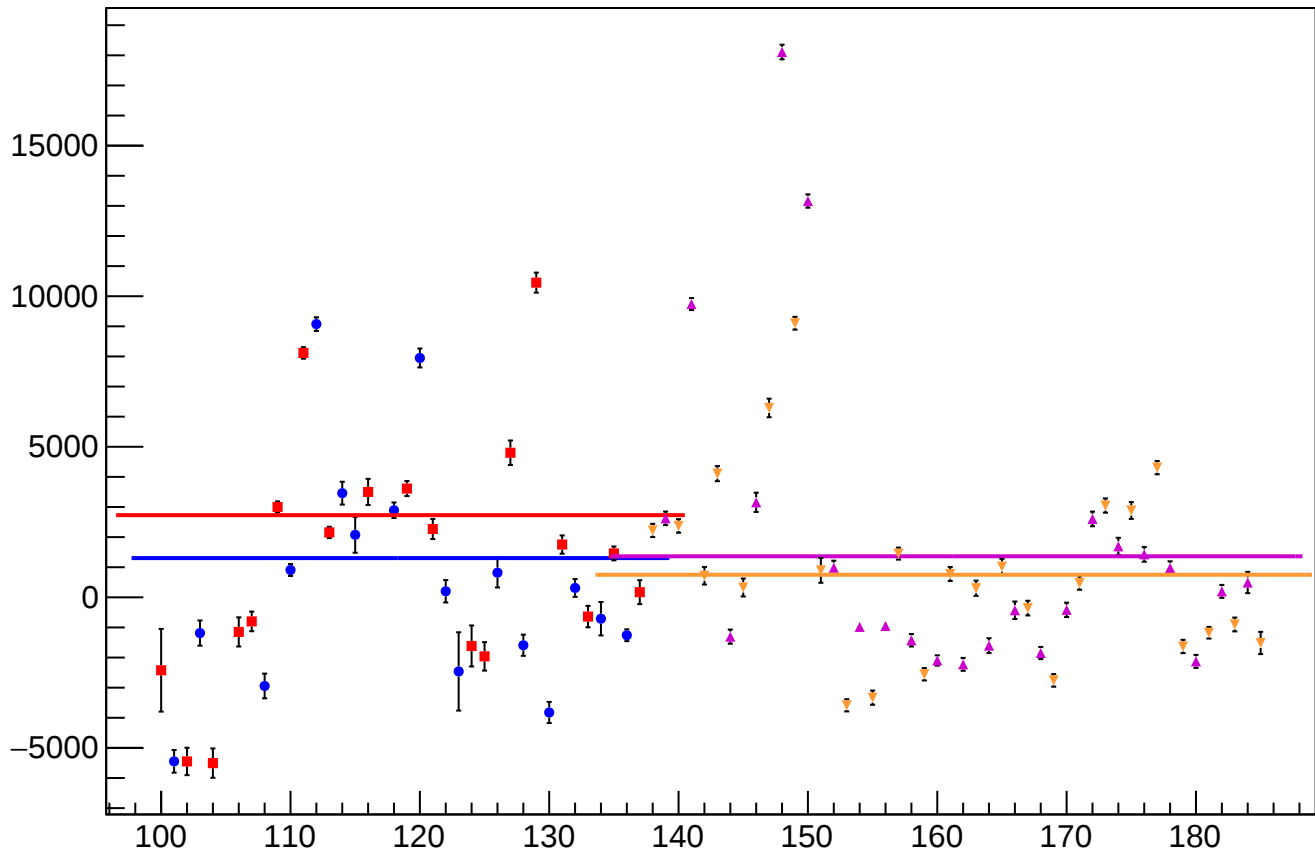
Left In: 177.821+/-0.031 χ^2/NDF : 862494.4/22

+ sign 186.783+/-0.027 χ^2/NDF : 1484780.7/41

All: 180.194+/-0.019 χ^2/NDF : 3428581.0/83

- 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: 749.740+/-47.570 χ^2/NDF : 4184.4/24

Right Out: 2729.355+/-70.012 χ^2/NDF : 2497.2/18

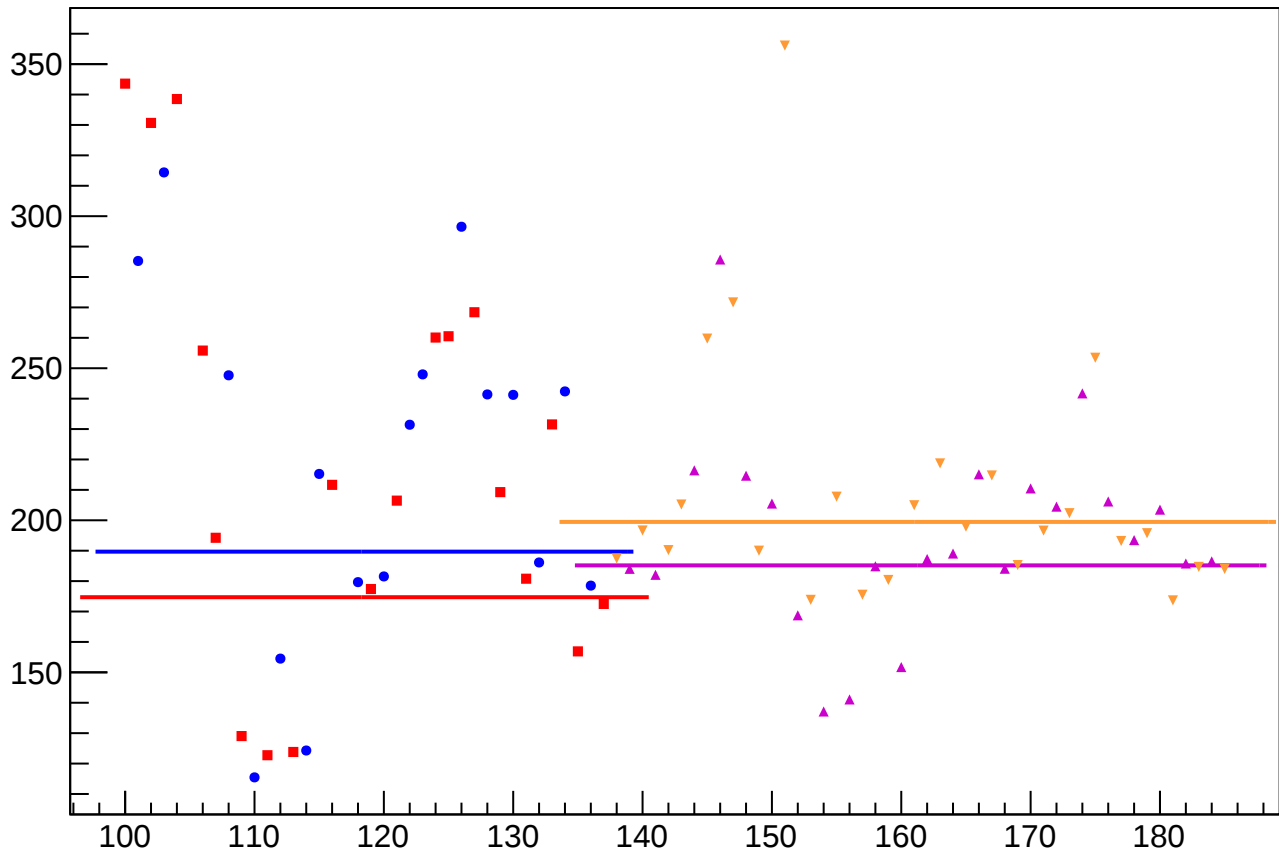
Left In: 1363.043+/-45.807 χ^2/NDF : 11632.9/22

+ sign 901.631+/-40.516 χ^2/NDF : 6871.4/41

All: 1361.236+/-27.845 χ^2/NDF : 21512.0/83

- sign 1772.602+/-38.331 χ^2/NDF : 14396.7/41

asym_bpm0i05WS_rms vs Slug



Right In: 189.687 $\pm$ 0.055 χ^2 /NDF: 977199.2/16

Left Out: 199.468 $\pm$ 0.034 χ^2 /NDF: 728313.9/24

Right Out: 174.707 $\pm$ 0.050 χ^2 /NDF: 1291115.5/18

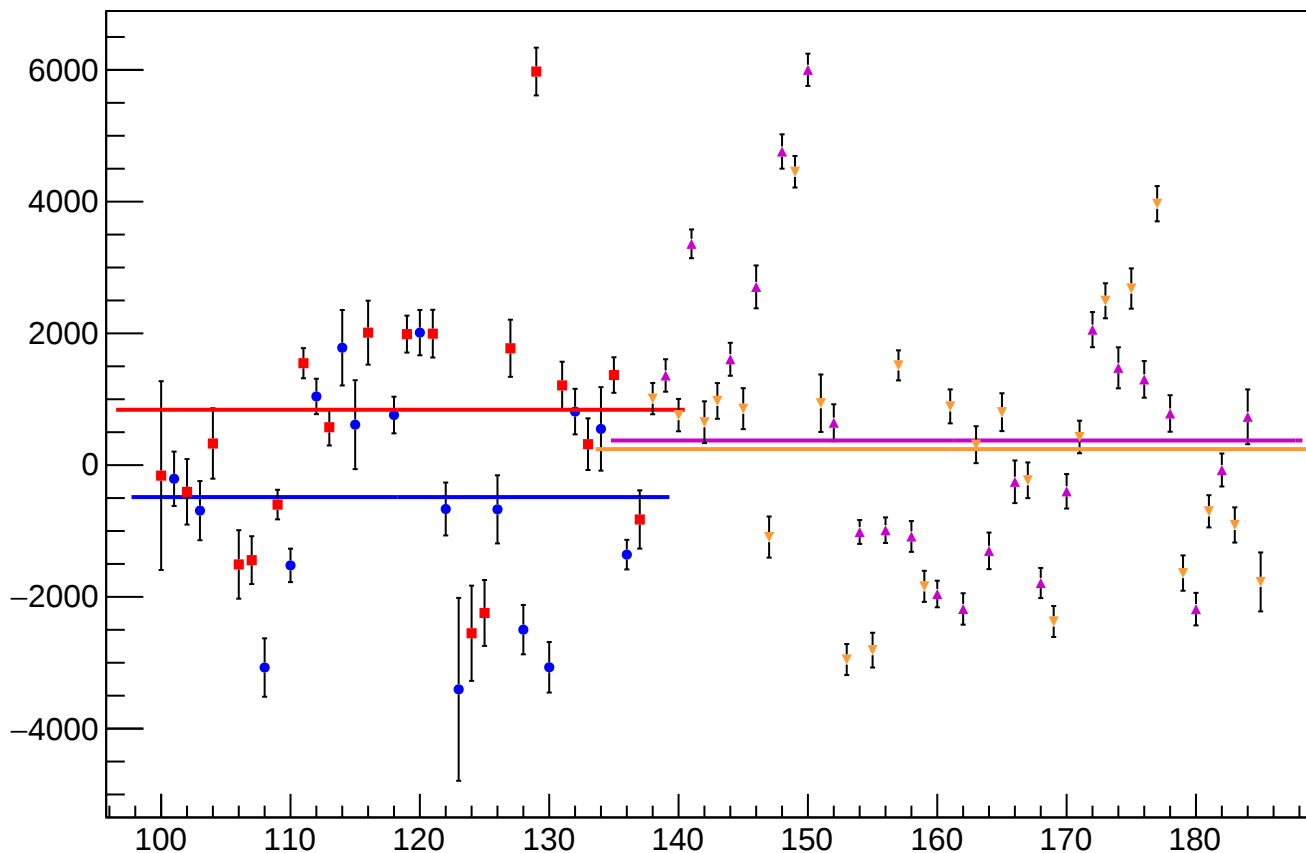
Left In: 185.171 $\pm$ 0.032 χ^2 /NDF: 882752.2/22

+ sign 196.783 $\pm$ 0.029 χ^2 /NDF: 1728730.9/41

All: 189.000 $\pm$ 0.020 χ^2 /NDF: 4073731.9/83

- sign 182.034 $\pm$ 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: 243.485+/-53.696 χ^2/NDF :1353.1/24

Right Out: 840.594+/-82.233 χ^2/NDF : 438.2/18

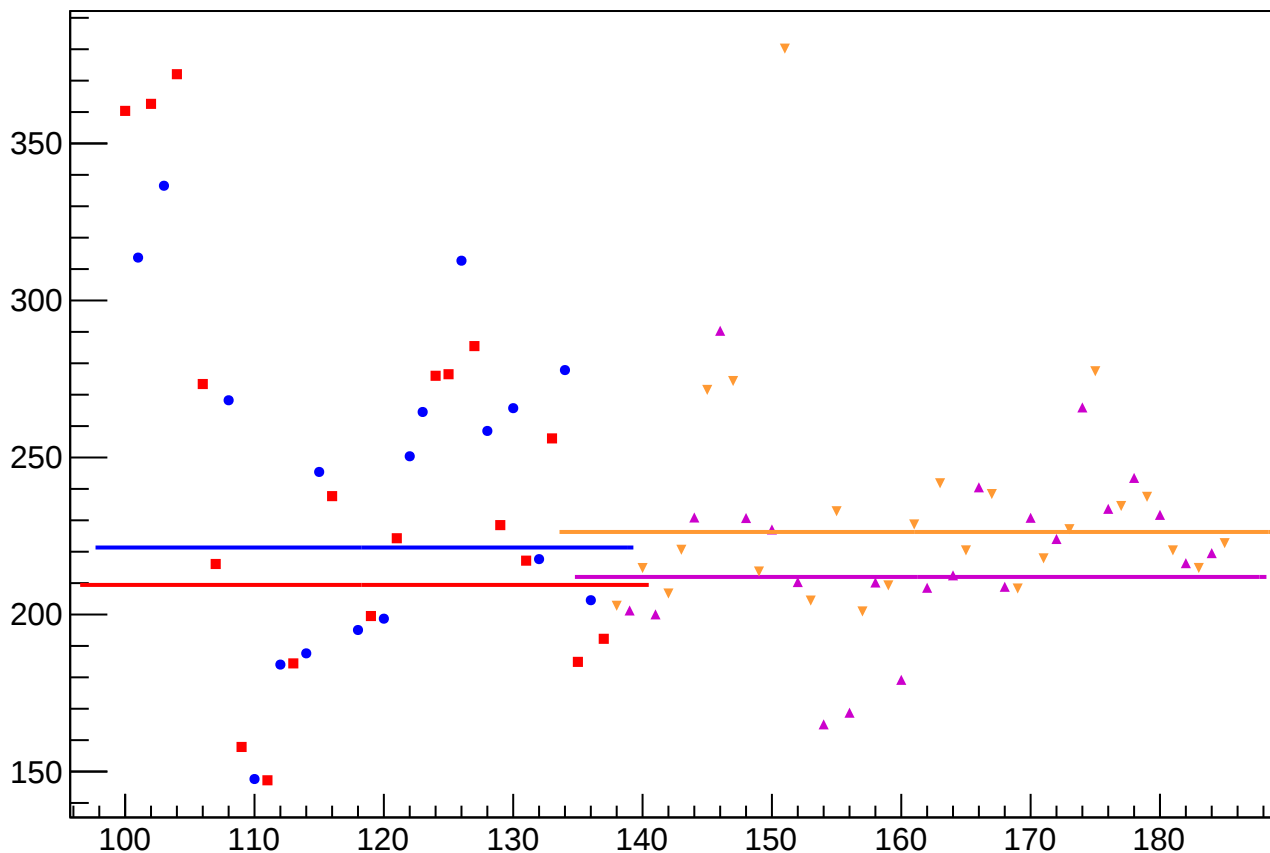
Left In: 374.122+/-52.049 χ^2/NDF :1801.0/22

+ sign 48.390+/-45.947 χ^2/NDF : 1687.7/41

All: 288.010+/-31.771 χ^2/NDF : 4002.0/83

- 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: 226.292 $\pm$ 0.038 χ^2 /NDF: 521295.3/24

Right Out: 209.428 $\pm$ 0.058 χ^2 /NDF: 879292.0/18

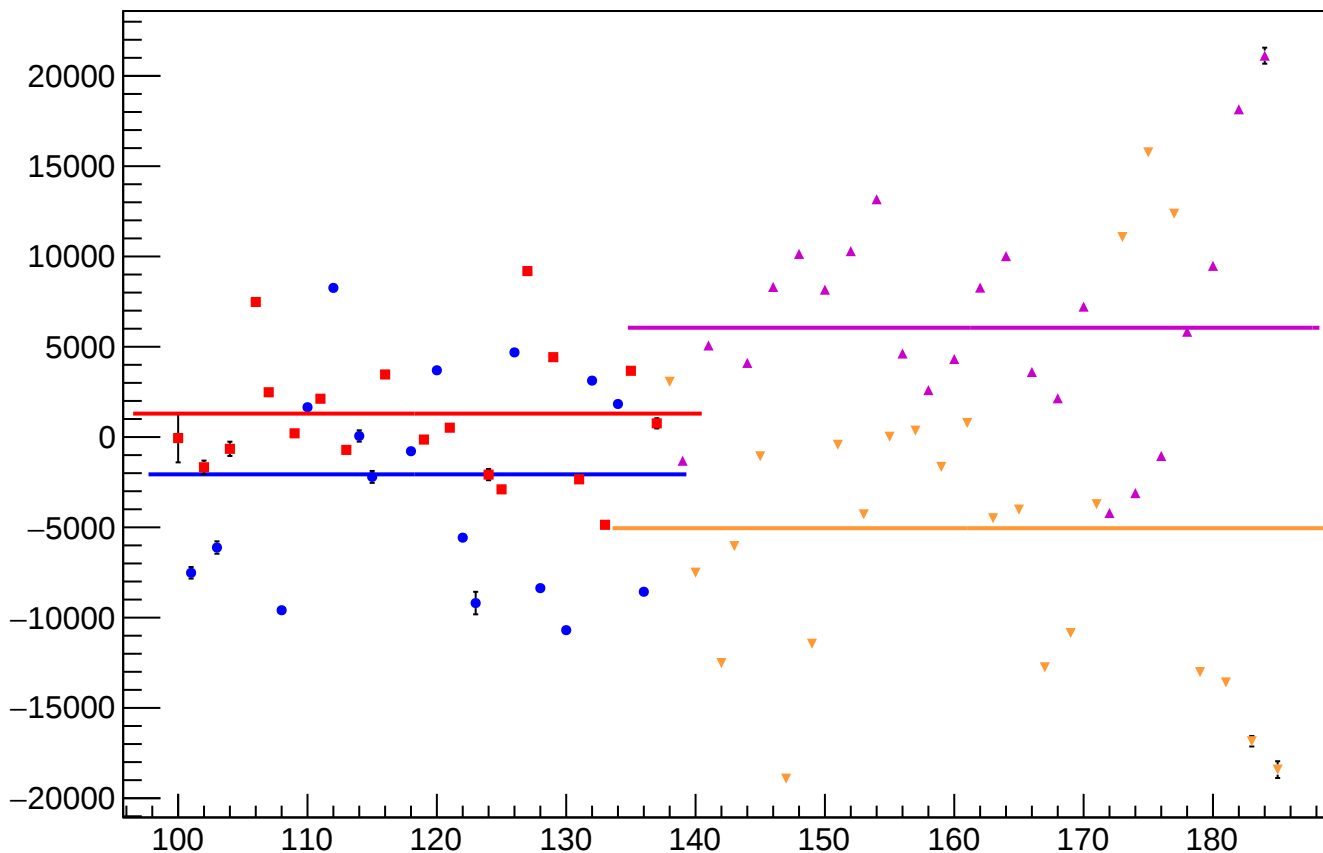
Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

+ sign 224.965 $\pm$ 0.032 χ^2 /NDF: 1171359.7/41

All: 217.804 $\pm$ 0.022 χ^2 /NDF: 2729459.3/83

- sign 211.243 $\pm$ 0.031 χ^2 /NDF: 1465001.3/41

asym_bpm1i02WS_mean vs Slug



Right In: -2065.524+/-47.407 χ^2/NDF : 16535.7/16

Left Out: -5045.946+/-33.843 χ^2/NDF : 54291.2/24

Right Out: 1298.632+/-44.980 χ^2/NDF : 5909.5/18

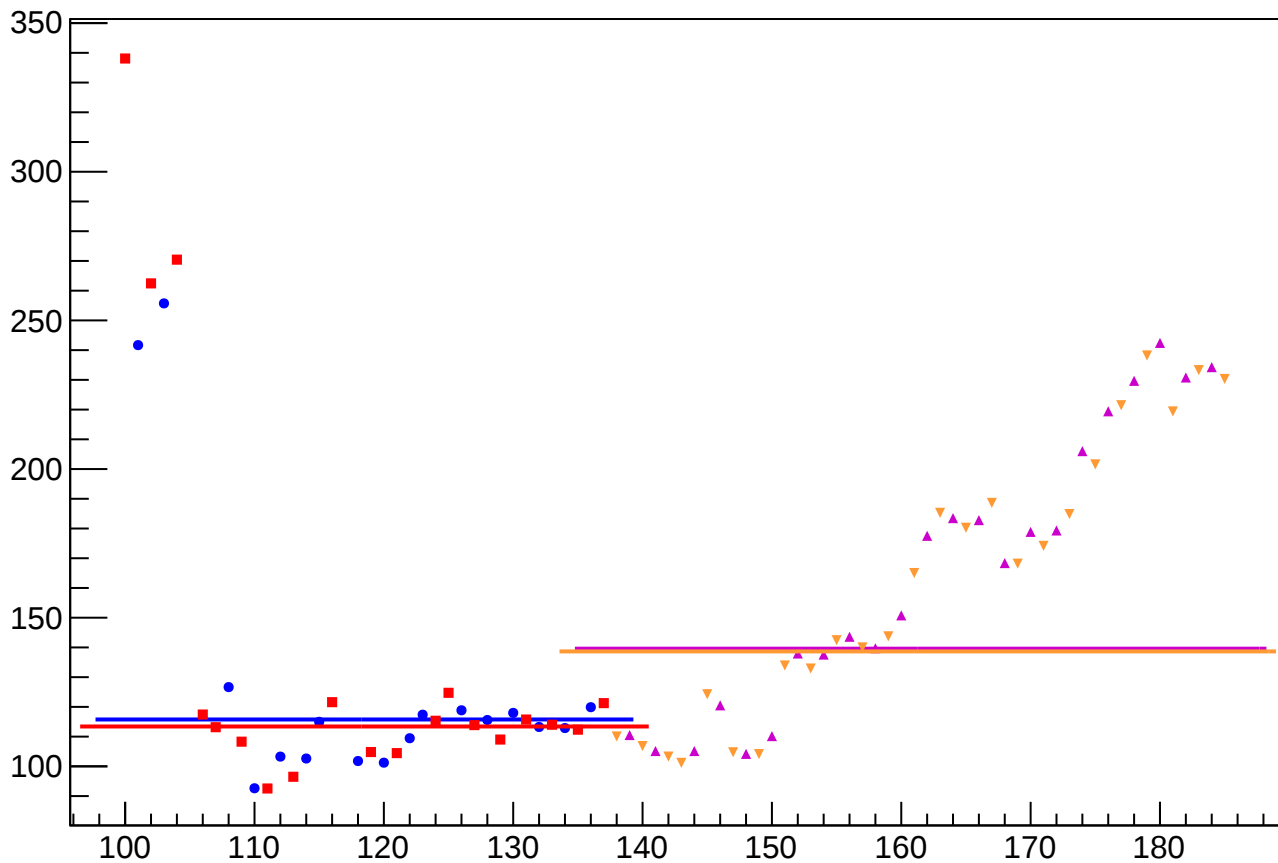
Left In: 6053.569+/-34.998 χ^2/NDF : 17590.3/22

+ sign -4039.797+/-27.544 χ^2/NDF : 73445.1/41

All: 98.691+/-19.504 χ^2/NDF : 149181.6/83

- sign 4260.470+/-27.622 χ^2/NDF : 30460.6/41

asym_bpm1i02WS_rms vs Slug



Right In: 115.768 $\pm$ 0.034 χ^2 /NDF: 743657.8/16

Left Out: 138.660 $\pm$ 0.024 χ^2 /NDF: 2537609.9/24

Right Out: 113.410 $\pm$ 0.032 χ^2 /NDF: 795303.3/18

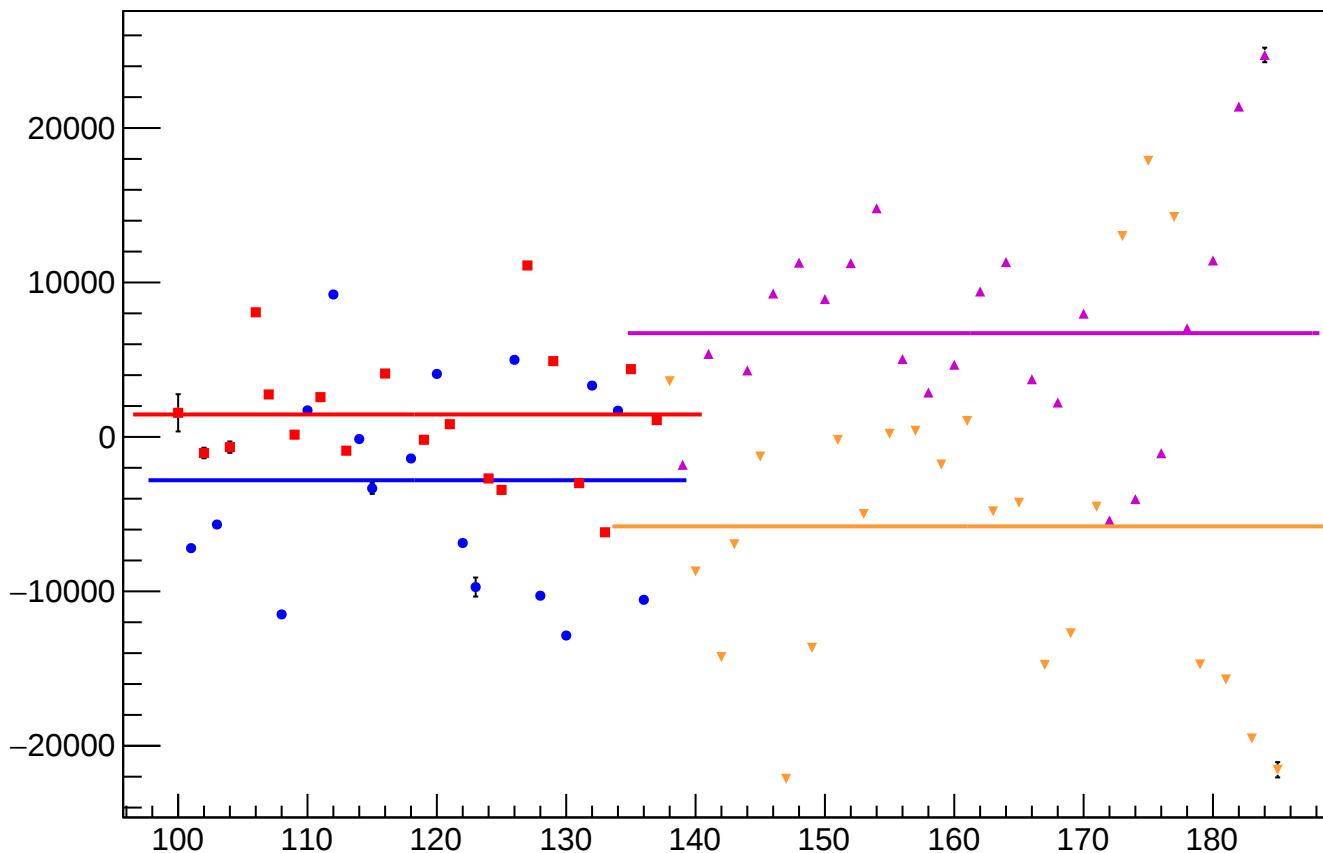
Left In: 139.578 $\pm$ 0.025 χ^2 /NDF: 2413658.9/22

+ sign 130.932 $\pm$ 0.019 χ^2 /NDF: 3590203.3/41

All: 130.323 $\pm$ 0.014 χ^2 /NDF: 7222757.0/83

- 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: -5792.543+/-36.024 χ^2/NDF : 63271.0/24

Right Out: 1454.376+/-46.372 χ^2/NDF : 8020.2/18

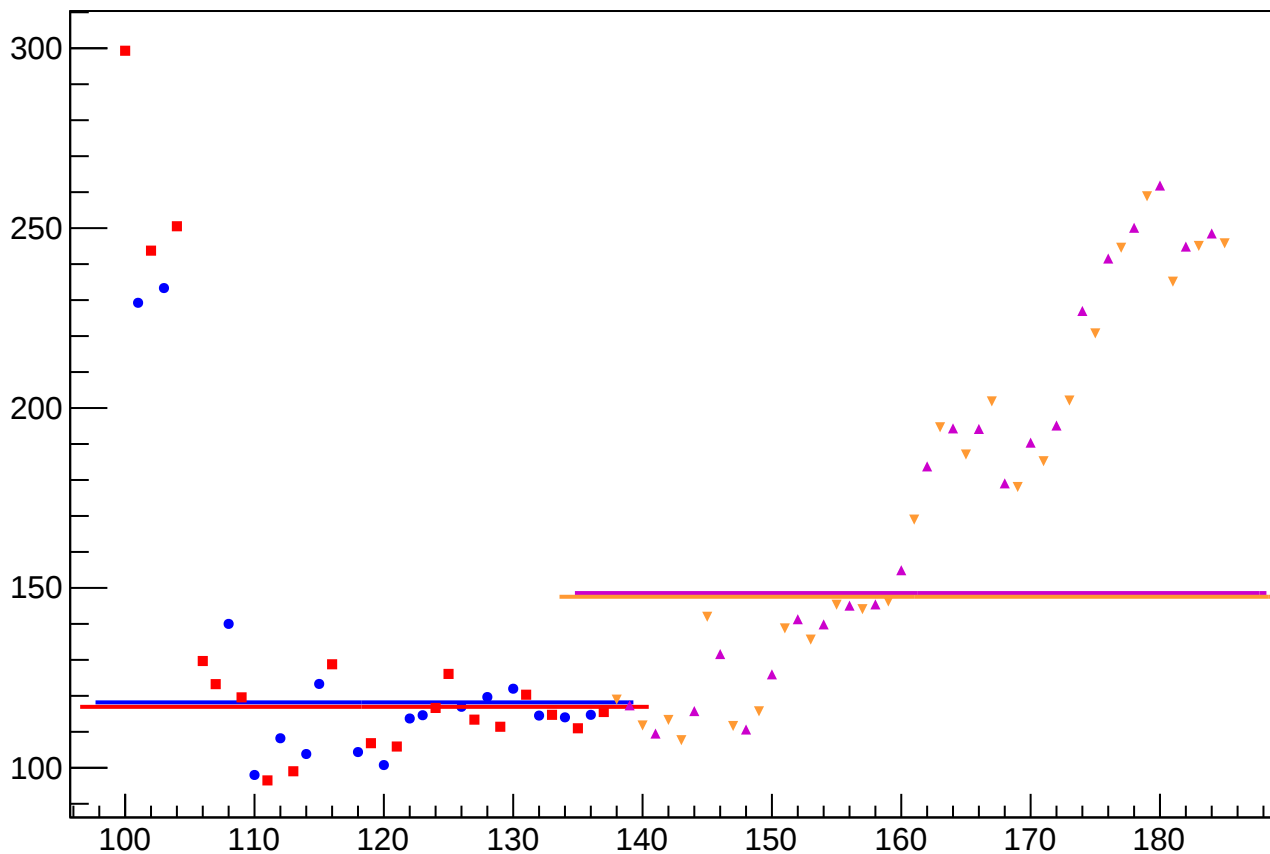
Left In: 6718.475+/-37.276 χ^2/NDF : 20934.3/22

+ sign -4726.465+/-28.889 χ^2/NDF : 86984.5/41

All: -63.595+/-20.485 χ^2/NDF : 176165.4/83

- 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: 147.539 $\pm$ 0.025 χ^2 /NDF: 2501105.2/24

Right Out: 116.944 $\pm$ 0.033 χ^2 /NDF: 689368.0/18

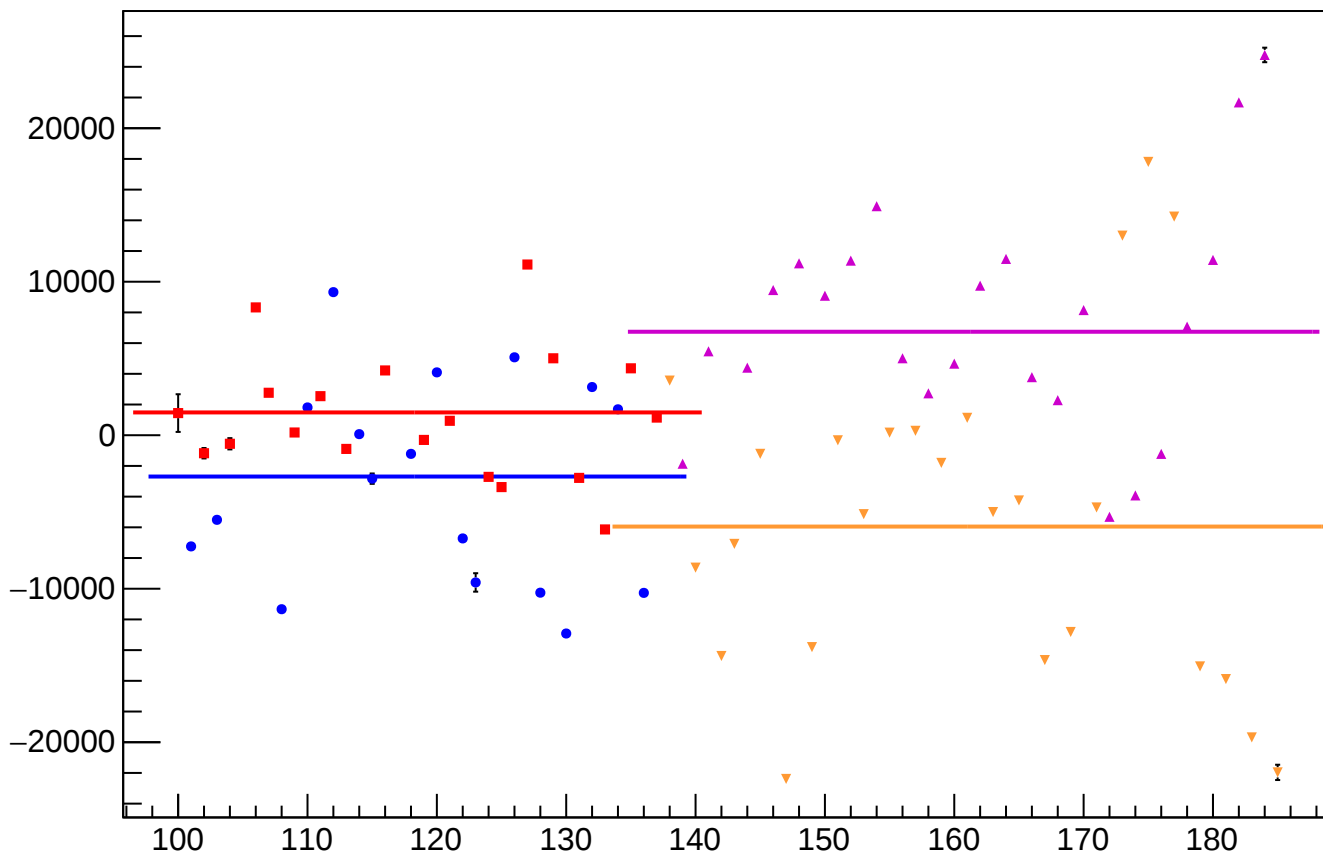
Left In: 148.569 $\pm$ 0.026 χ^2 /NDF: 2393185.0/22

+ sign 137.064 $\pm$ 0.020 χ^2 /NDF: 3611322.1/41

All: 136.612 $\pm$ 0.014 χ^2 /NDF: 7259936.9/83

- sign 136.155 $\pm$ 0.021 χ^2 /NDF: 3647630.6/41

asym_bpm2i02WS_mean vs Slug



Right In: -2691.569 ± 46.420 $\chi^2/\text{NDF}: 22847.7/16$

Left Out: -5950.415 ± 35.223 $\chi^2/\text{NDF}: 67712.3/24$

Right Out: 1484.889 ± 44.421 $\chi^2/\text{NDF}: 8724.0/18$

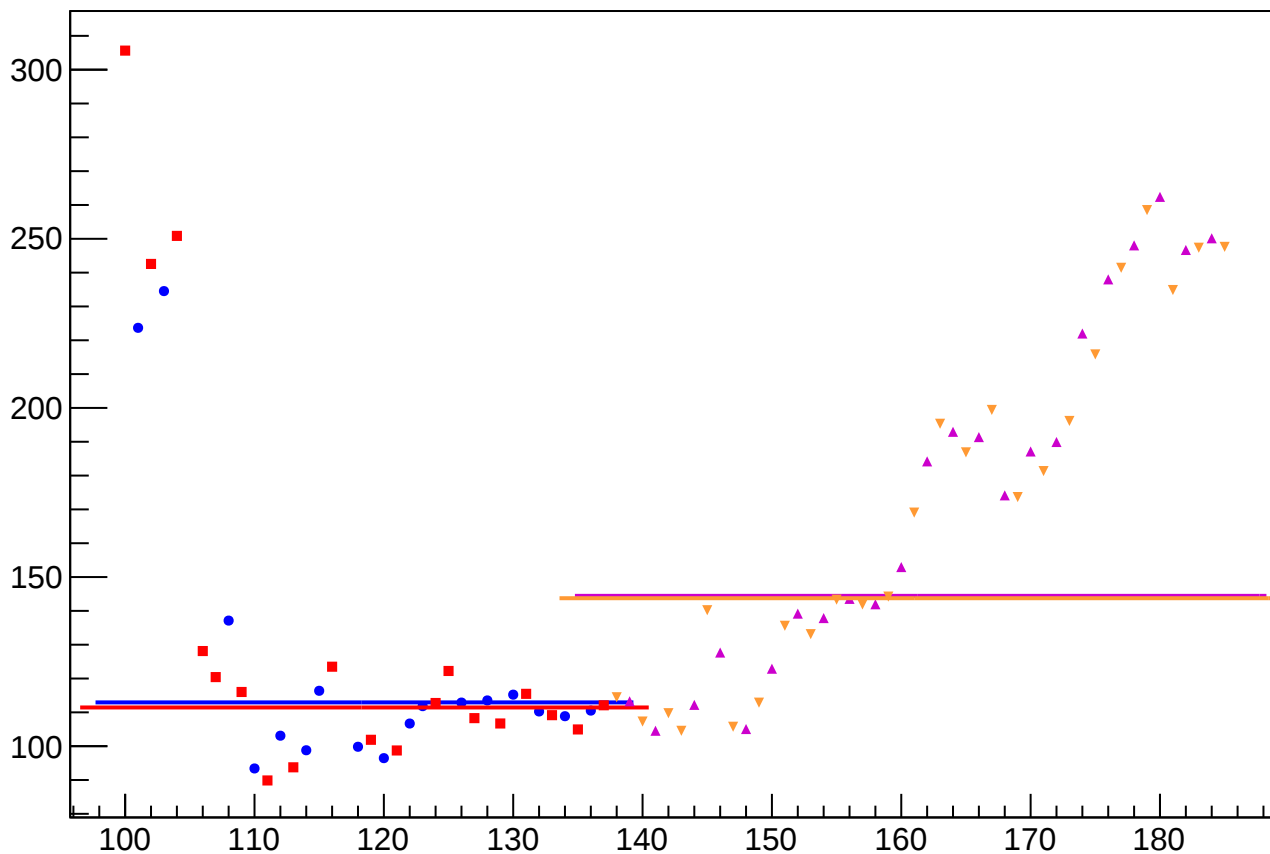
Left In: 6740.666 ± 36.379 $\chi^2/\text{NDF}: 22071.8/22$

+ sign -4759.658 ± 28.060 $\chi^2/\text{NDF}: 93687.8/41$

All: -78.779 ± 19.871 $\chi^2/\text{NDF}: 188690.3/83$

- sign 4630.703 ± 28.145 $\chi^2/\text{NDF}: 39174.9/41$

asym_bpm2i02WS_rms vs Slug



Right In: 112.944 $\pm$ 0.033 χ^2 /NDF: 680438.6/16

Left Out: 143.743 $\pm$ 0.025 χ^2 /NDF: 2694737.4/24

Right Out: 111.444 $\pm$ 0.031 χ^2 /NDF: 764132.1/18

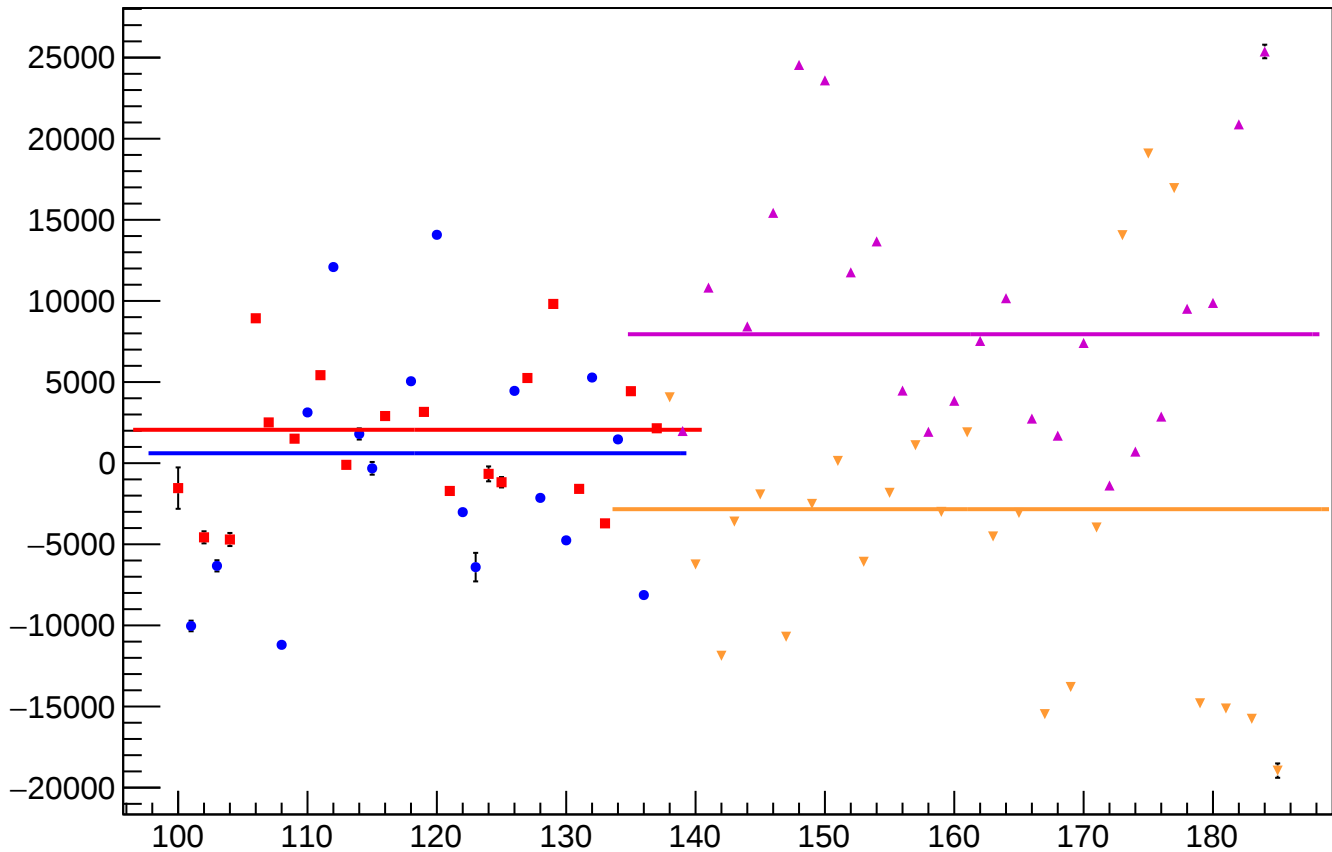
Left In: 144.440 $\pm$ 0.026 χ^2 /NDF: 2586926.1/22

+ sign 132.489 $\pm$ 0.020 χ^2 /NDF: 3933911.7/41

All: 131.843 $\pm$ 0.014 χ^2 /NDF: 7947586.2/83

- sign 131.193 $\pm$ 0.020 χ^2 /NDF: 4011548.8/41

asym_bpm0i01WS_mean vs Slug



Right In: 610.939+/-56.154 χ^2/NDF : 18248.2/16

Left Out: -2836.493+/-39.592 χ^2/NDF : 46366.8/24

Right Out: 2057.548+/-53.904 χ^2/NDF : 4649.5/18

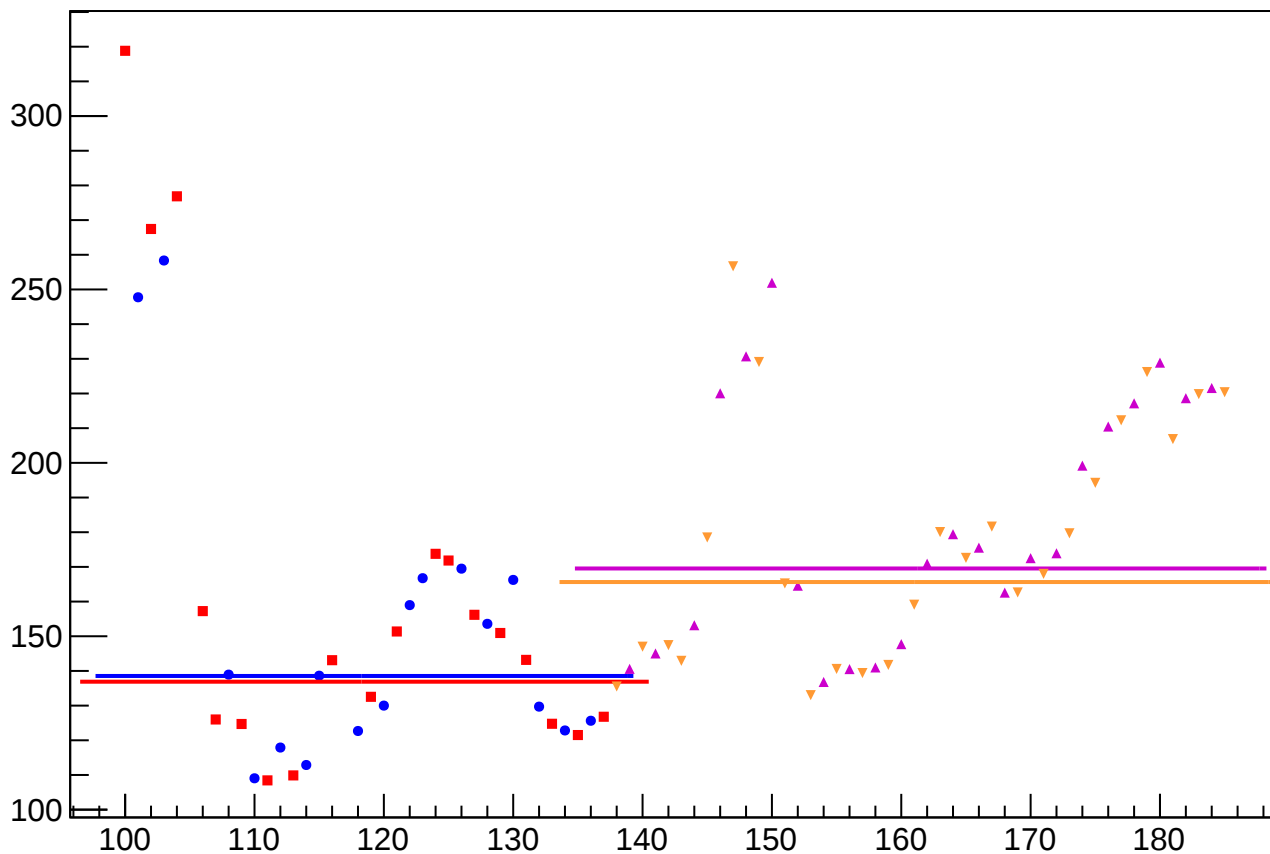
Left In: 7947.160+/-41.726 χ^2/NDF : 23874.5/22

+ sign -1691.762+/-32.358 χ^2/NDF : 67132.6/41

All: 1951.862+/-23.103 χ^2/NDF : 128984.8/83

- sign 5740.418+/-32.995 χ^2/NDF : 35989.0/41

asym_bpm0i01WS_rms vs Slug



Right In: 138.549 $\pm$ 0.040 χ^2/NDF : 667663.4/16

Left Out: 165.636 $\pm$ 0.028 χ^2/NDF : 1146164.6/24

Right Out: 136.895 $\pm$ 0.038 χ^2/NDF : 751443.4/18

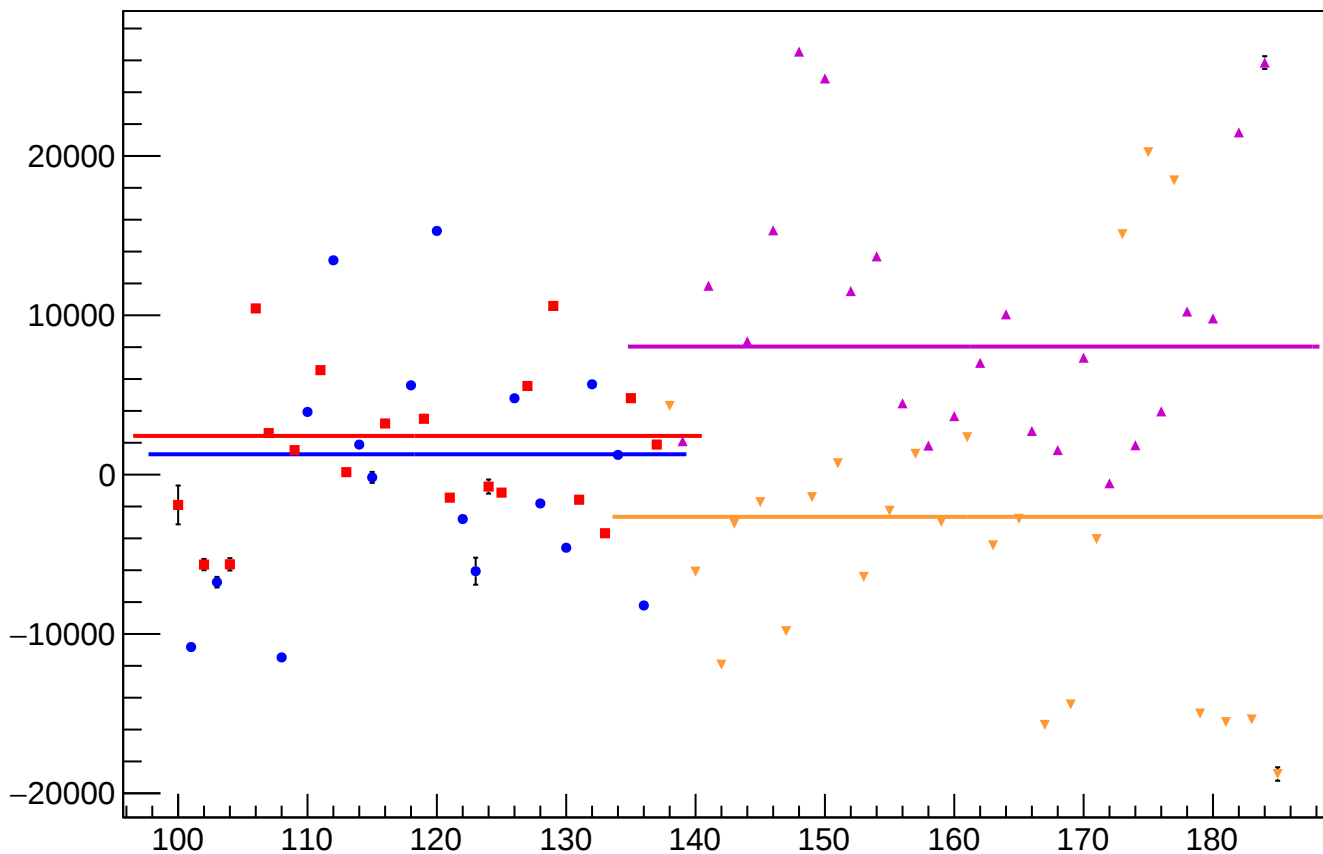
Left In: 169.542 $\pm$ 0.030 χ^2/NDF : 1159241.9/22

+ sign 156.642 $\pm$ 0.023 χ^2/NDF : 2124654.4/41

All: 156.969 $\pm$ 0.016 χ^2/NDF : 4494492.7/83

- 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: -2648.221+/-35.866 χ^2/NDF : 56776.0/24

Right Out: 2430.297+/-44.264 χ^2/NDF : 7696.9/18

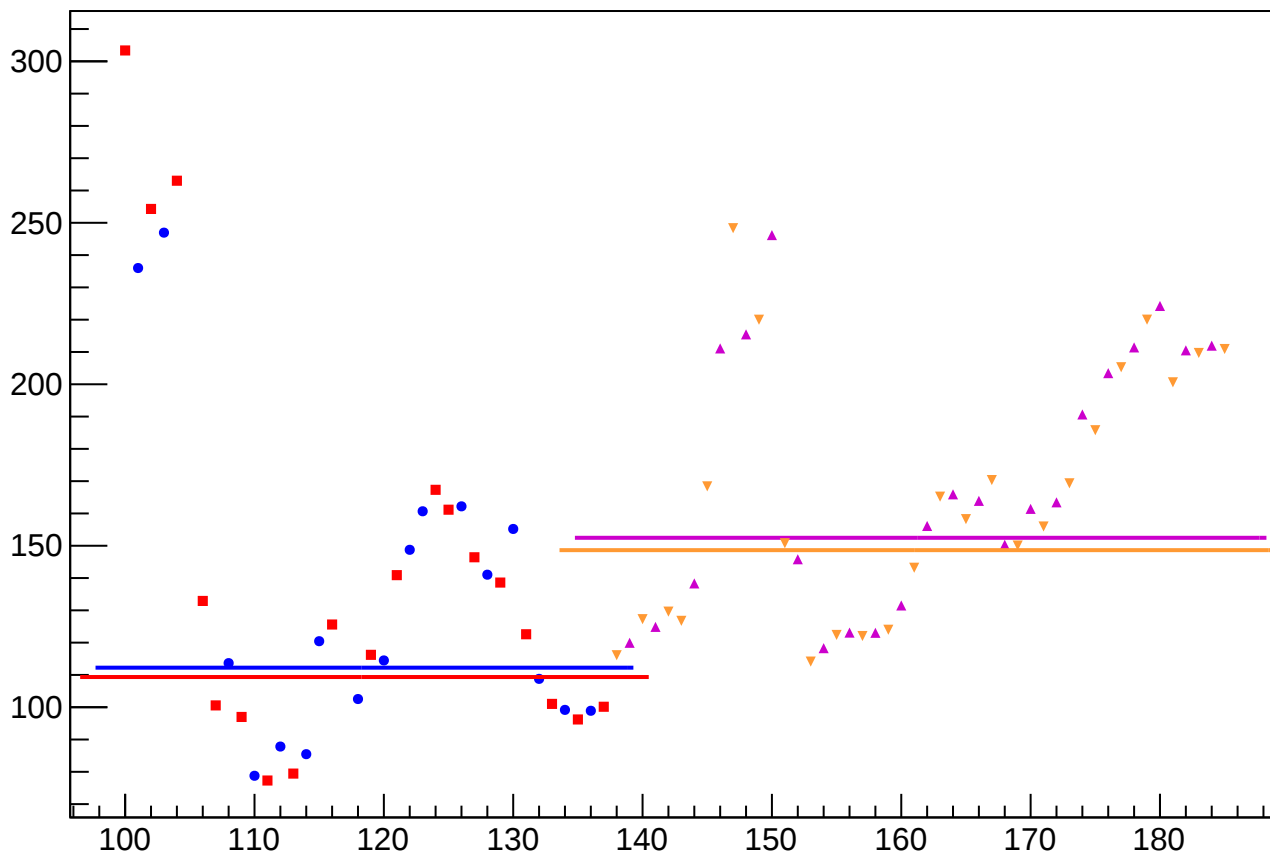
Left In: 8036.826+/-37.924 χ^2/NDF : 29261.6/22

+ sign -1189.527+/-28.433 χ^2/NDF : 91777.0/41

All: 2193.066+/-20.234 χ^2/NDF : 166661.1/83

- sign 5663.494+/-28.800 χ^2/NDF : 46210.1/41

asym_bpm0i01aWS_rms vs Slug



Right In: 112.247+/-0.033 χ^2/NDF : 1123602.1/16

Left Out: 148.637+/-0.025 χ^2/NDF :1686425.7/24

Right Out: 109.351+/-0.031 χ^2/NDF : 1263029.6/18

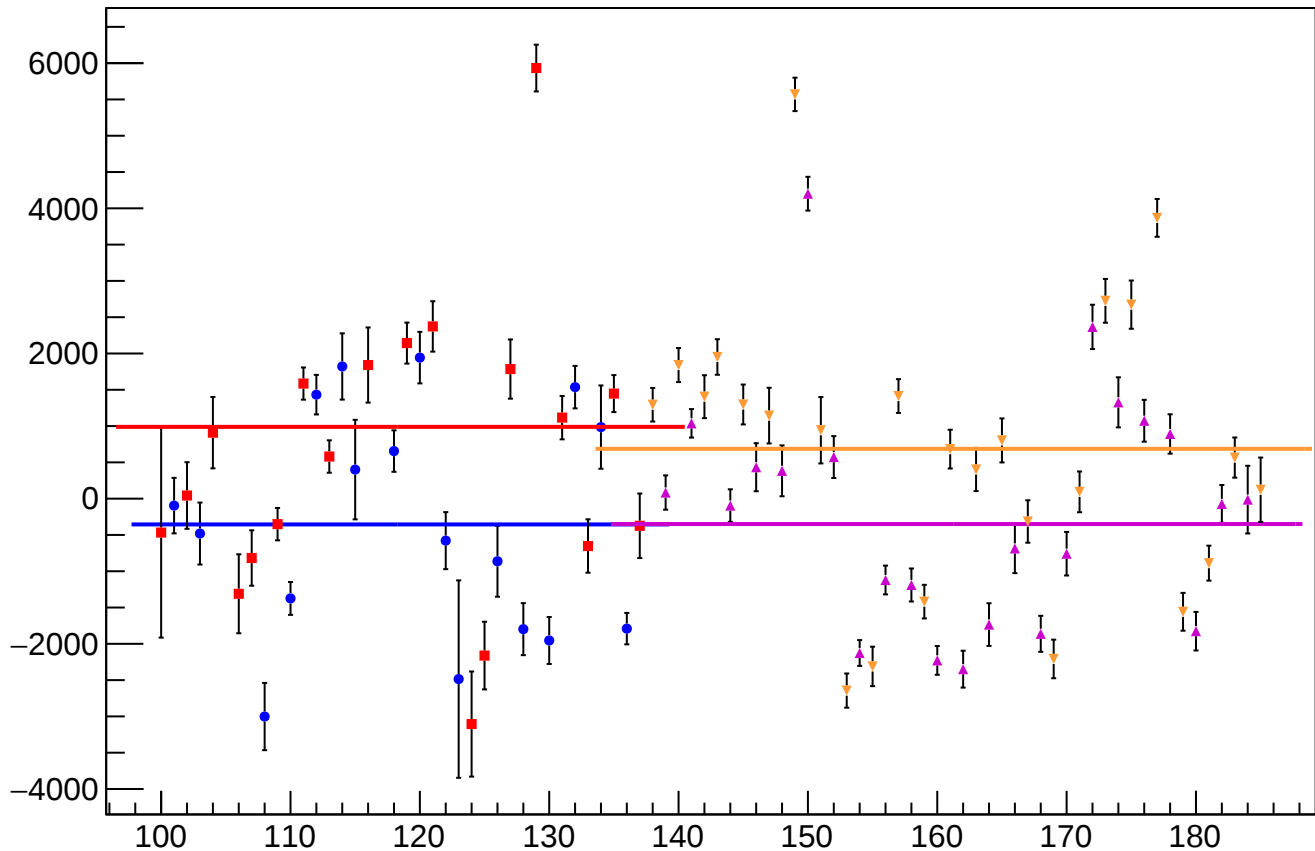
Left In: 152.463+/-0.027 χ^2/NDF :1691517.7/22

+ sign 135.117+/-0.020 χ^2/NDF : 3574977.4/41

All: 134.671+/-0.014 χ^2/NDF : 7624643.8/83

- sign 134.213+/-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: 686.936 ± 54.474 χ^2/NDF : 1419.4/24

Right Out: 989.192 ± 77.653 χ^2/NDF : 477.2/18

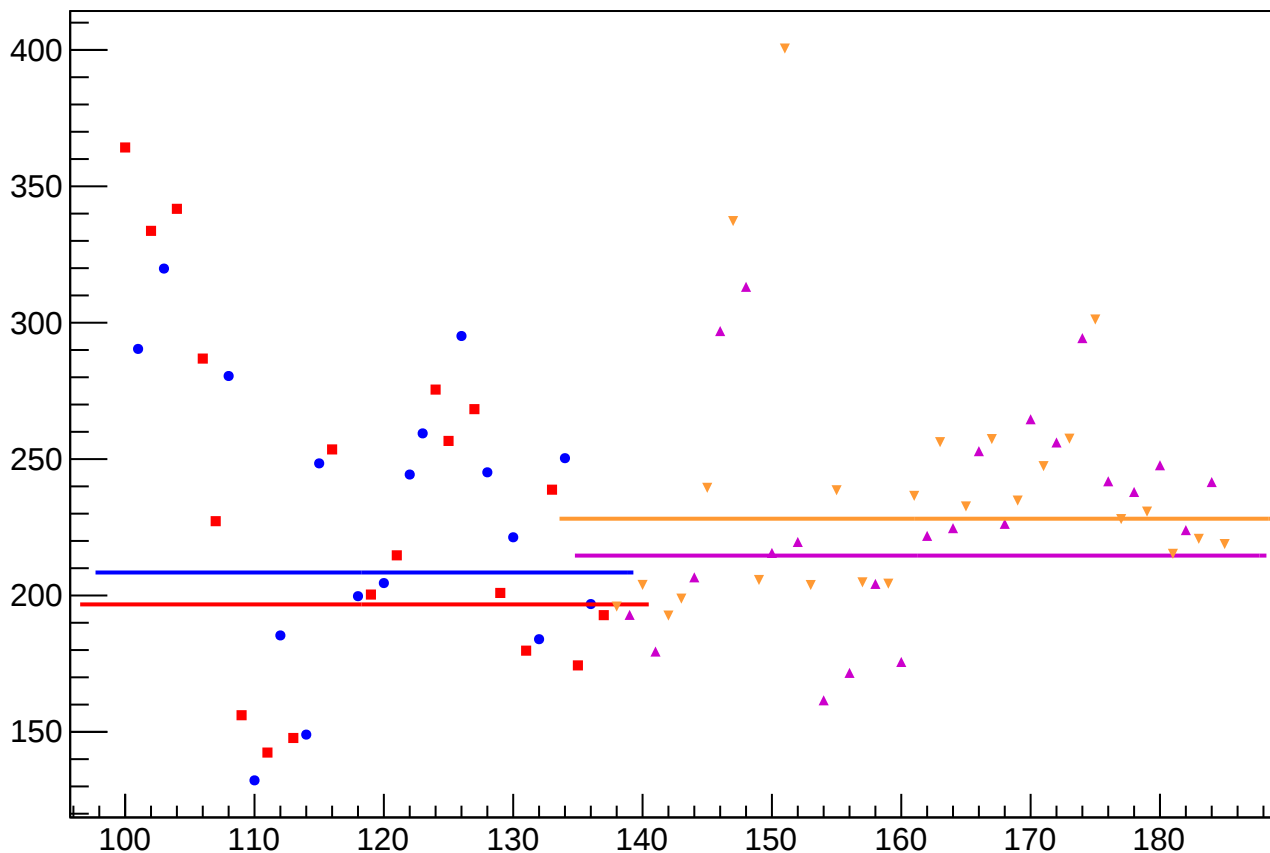
Left In: -349.623 ± 53.094 χ^2/NDF : 981.0/22

+ sign 378.569 ± 45.707 χ^2/NDF : 1838.2/41

All: 221.396 ± 31.635 χ^2/NDF : 3521.6/83

- sign 76.878 ± 43.829 χ^2/NDF : 1660.7/41

asym_bpm0l01WS_rms vs Slug



Right In: 208.429+/-0.059 χ^2/NDF : 696957.4/16

Left Out: 228.148+/-0.039 χ^2/NDF : 826371.2/24

Right Out: 196.731+/-0.055 χ^2/NDF : 925461.3/18

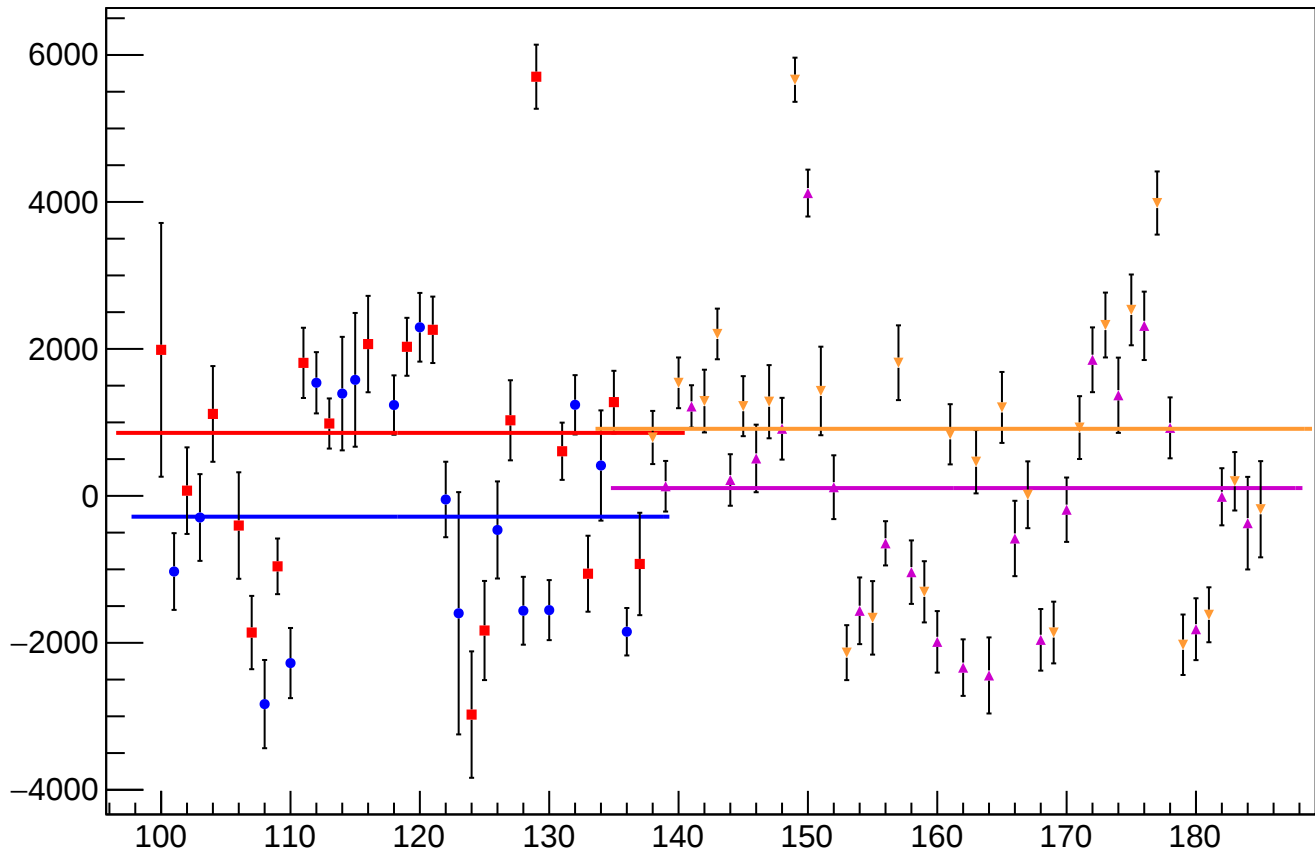
Left In: 214.627+/-0.038 χ^2/NDF : 1025683.3/22

+ sign 222.312+/-0.032 χ^2/NDF : 1600890.3/41

All: 215.338+/-0.022 χ^2/NDF : 3713785.8/83

- sign 208.926+/-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: 912.617 ± 83.694 χ^2/NDF : 618.8/24

Right Out: 857.162 ± 115.341 χ^2/NDF : 265.0/18

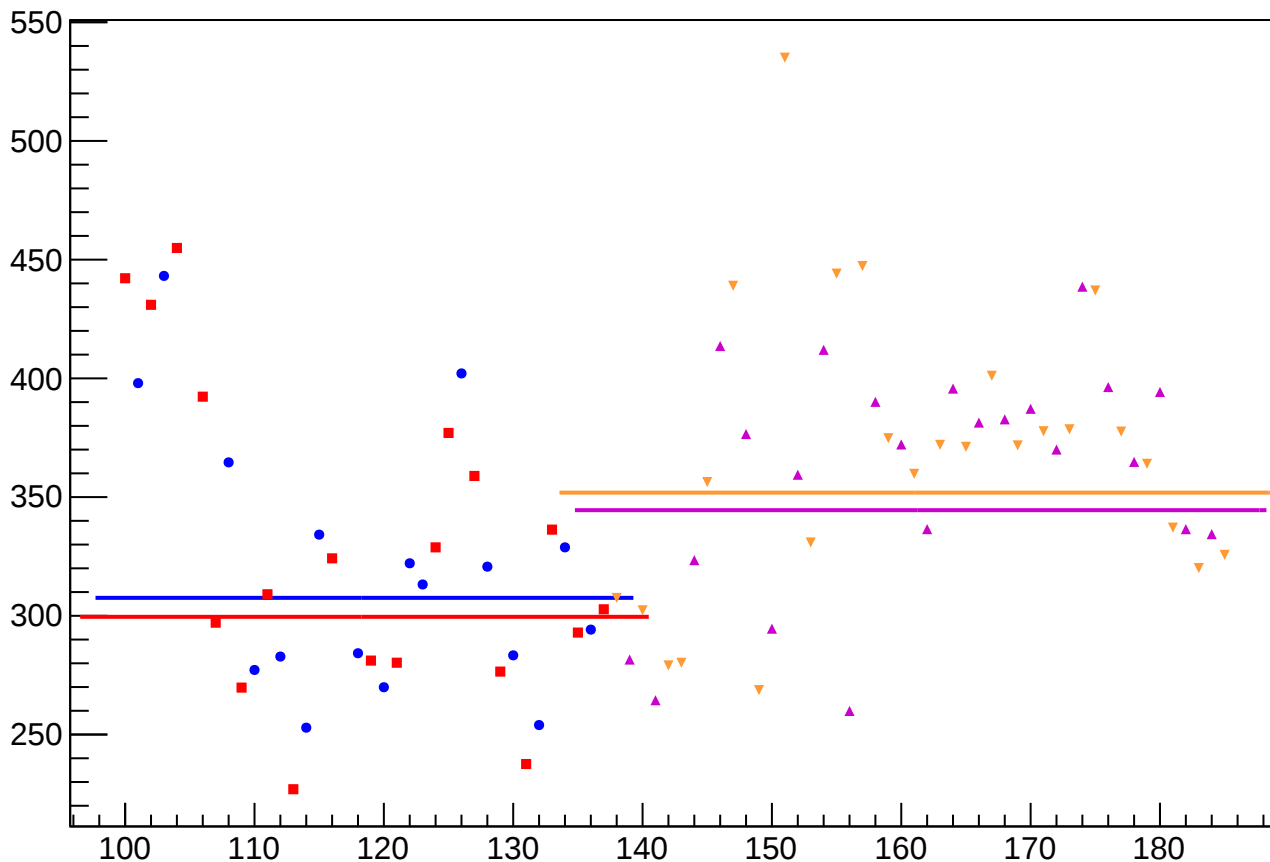
Left In: 106.116 ± 84.393 χ^2/NDF : 390.3/22

+ sign 528.086 ± 68.936 χ^2/NDF : 851.3/41

All: 447.074 ± 48.450 χ^2/NDF : 1537.0/83

- sign 367.994 ± 68.109 χ^2/NDF : 682.9/41

asym_bpm0l02WS_rms vs Slug



Right In: 307.566+/-0.086 χ^2/NDF : 321522.0/16

Left Out: 351.886+/-0.059 χ^2/NDF : 907444.4/24

Right Out: 299.577+/-0.082 χ^2/NDF : 493549.3/18

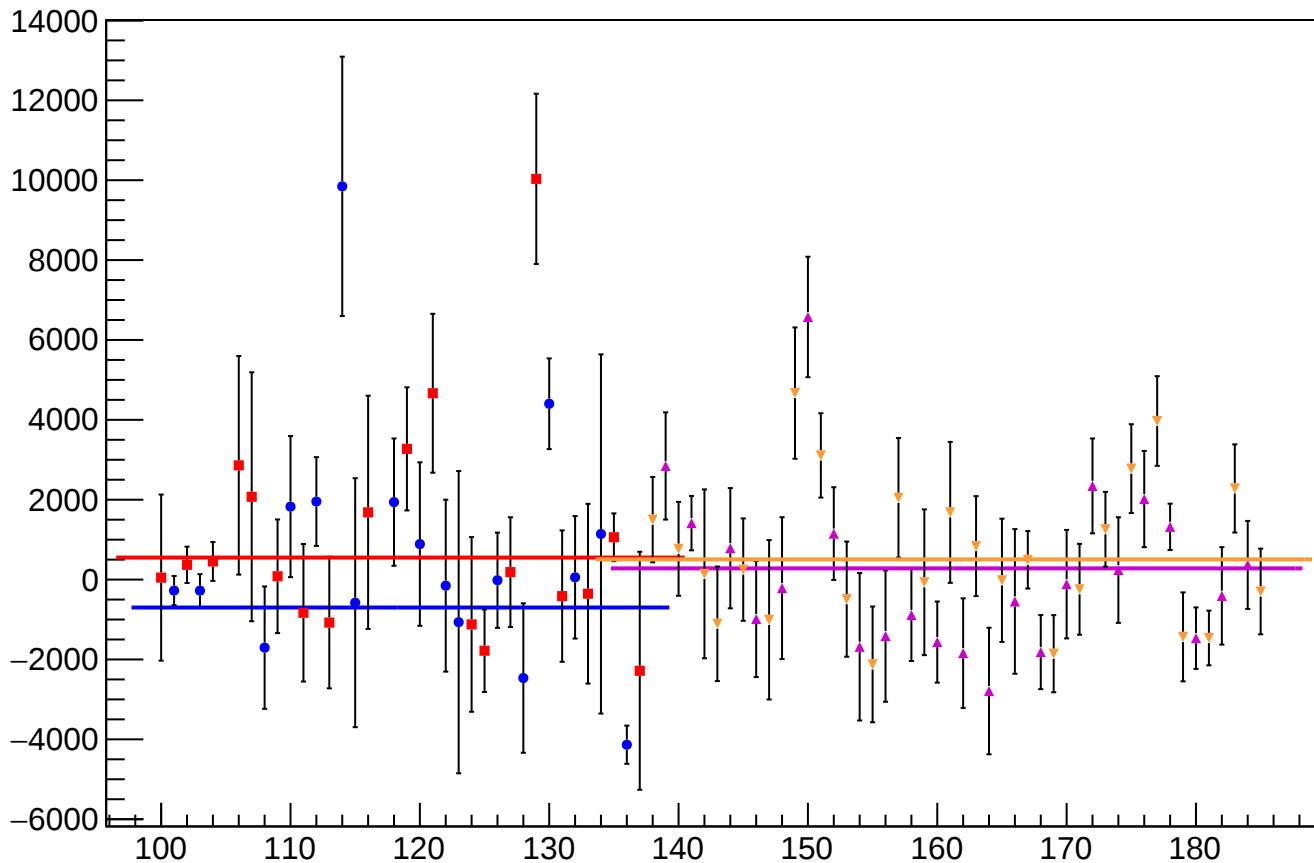
Left In: 344.491+/-0.060 χ^2/NDF : 768885.4/22

+ sign 337.634+/-0.049 χ^2/NDF : 1409321.1/41

All: 333.179+/-0.034 χ^2/NDF : 2885784.5/83

- sign 328.830+/-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: 505.935 ± 231.404 χ^2/NDF : 56.1/24

Right Out: 551.457 ± 243.420 χ^2/NDF : 38.1/18

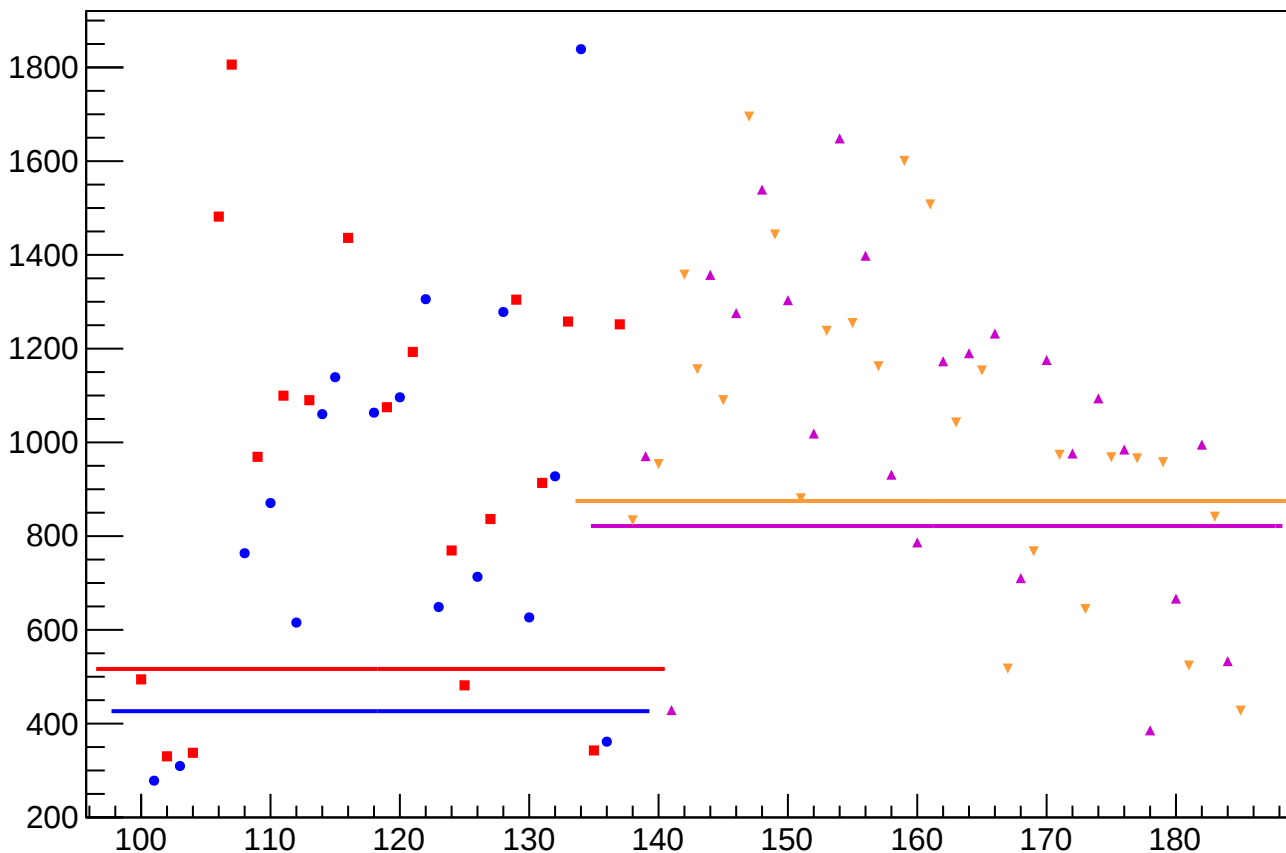
Left In: 280.692 ± 232.048 χ^2/NDF : 57.2/22

+ sign -153.615 ± 155.714 χ^2/NDF : 168.8/41

All: 106.717 ± 114.190 χ^2/NDF : 270.9/83

- 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: 875.050 $\pm$ 0.164 χ^2 /NDF: 3408833.8/24

Right Out: 516.598 $\pm$ 0.172 χ^2 /NDF: 3598022.9/18

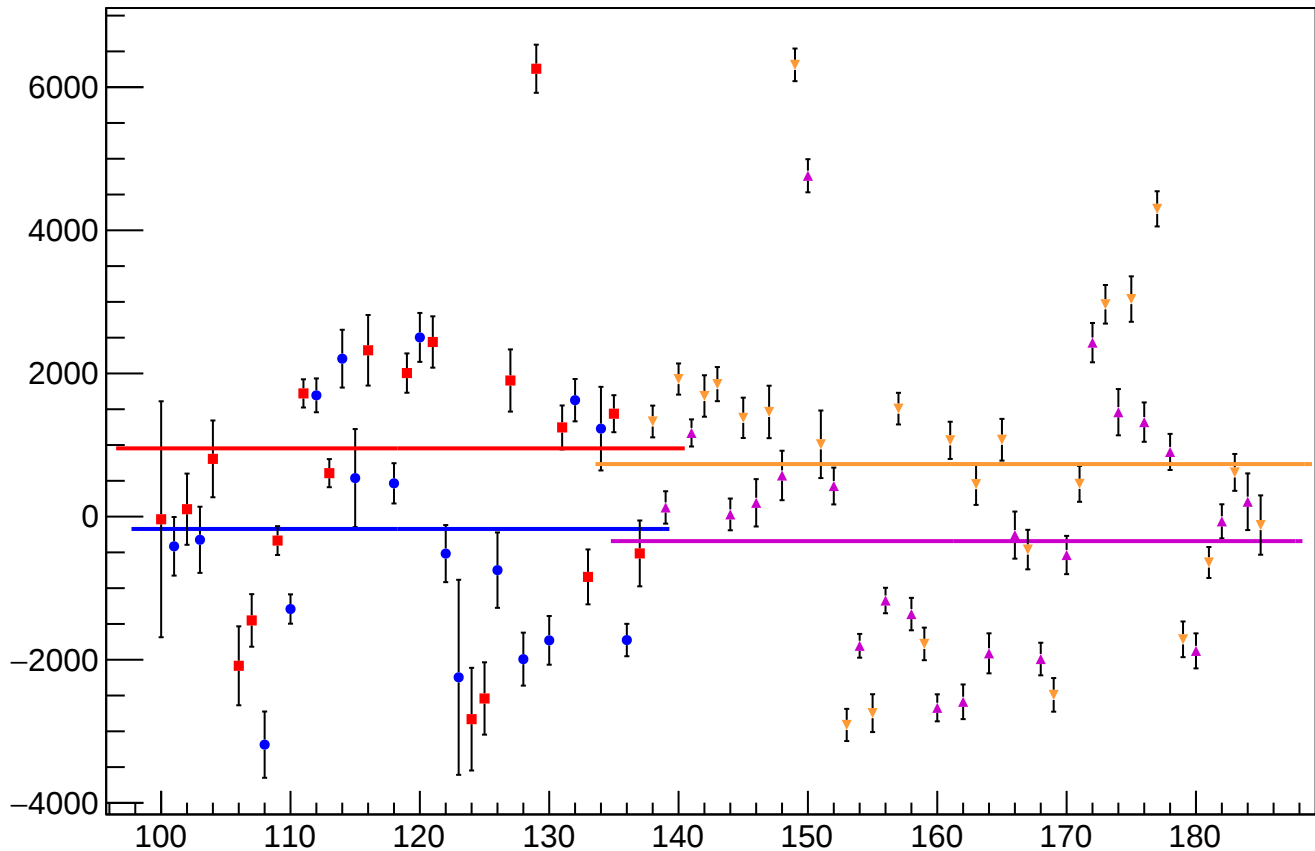
Left In: 821.657 $\pm$ 0.164 χ^2 /NDF: 4443094.2/22

+ sign 629.620 $\pm$ 0.110 χ^2 /NDF: 10383472.4/41

All: 651.252 $\pm$ 0.081 χ^2 /NDF: 20153749.5/83

- 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: 733.779 ± 51.800 χ^2/NDF : 1933.0/24

Right Out: 953.457 ± 75.104 χ^2/NDF : 541.2/18

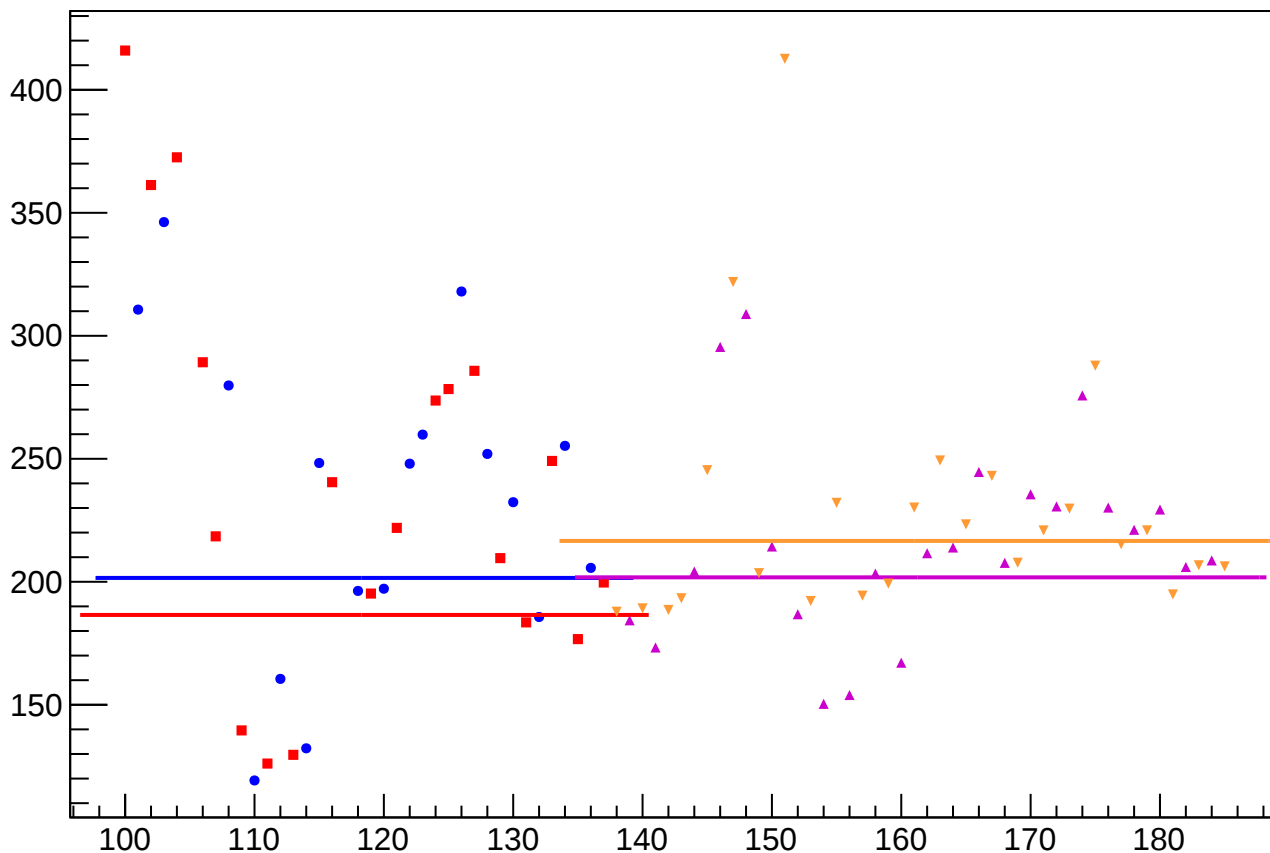
Left In: -342.465 ± 50.044 χ^2/NDF : 1254.9/22

+ sign 477.712 ± 43.876 χ^2/NDF : 2396.0/41

All: 255.869 ± 30.206 χ^2/NDF : 4446.9/83

- 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: 216.610 $\pm$ 0.037 χ^2 /NDF:887230.4/24

Right Out: 186.520 $\pm$ 0.053 χ^2 /NDF: 1388400.1/18

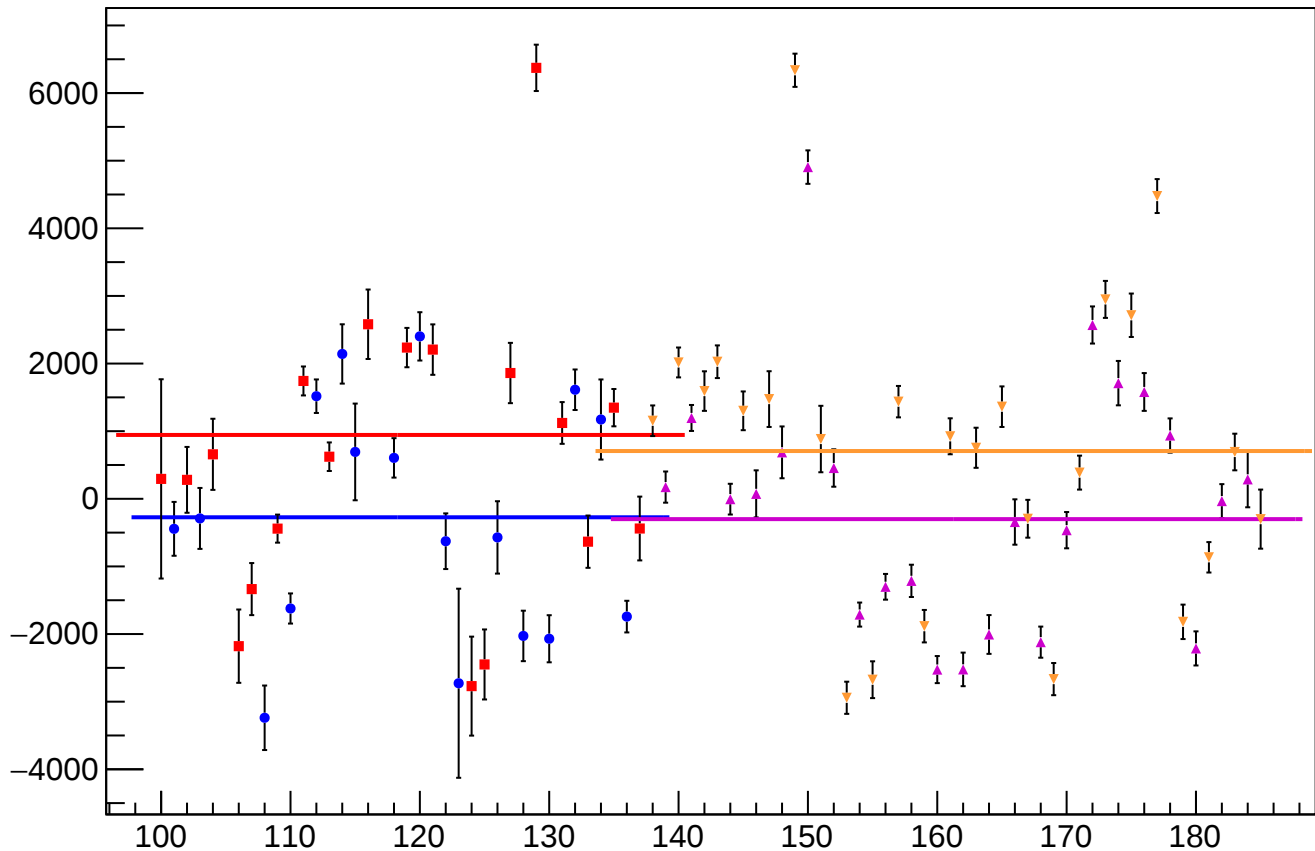
Left In: 201.805 $\pm$ 0.035 χ^2 /NDF:1087243.4/22

+ sign 212.361 $\pm$ 0.031 χ^2 /NDF: 1987185.7/41

All: 204.336 $\pm$ 0.021 χ^2 /NDF: 4647396.6/83

- 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: 706.418 ± 53.406 χ^2/NDF : 1833.6/24

Right Out: 944.335 ± 78.399 χ^2/NDF : 524.4/18

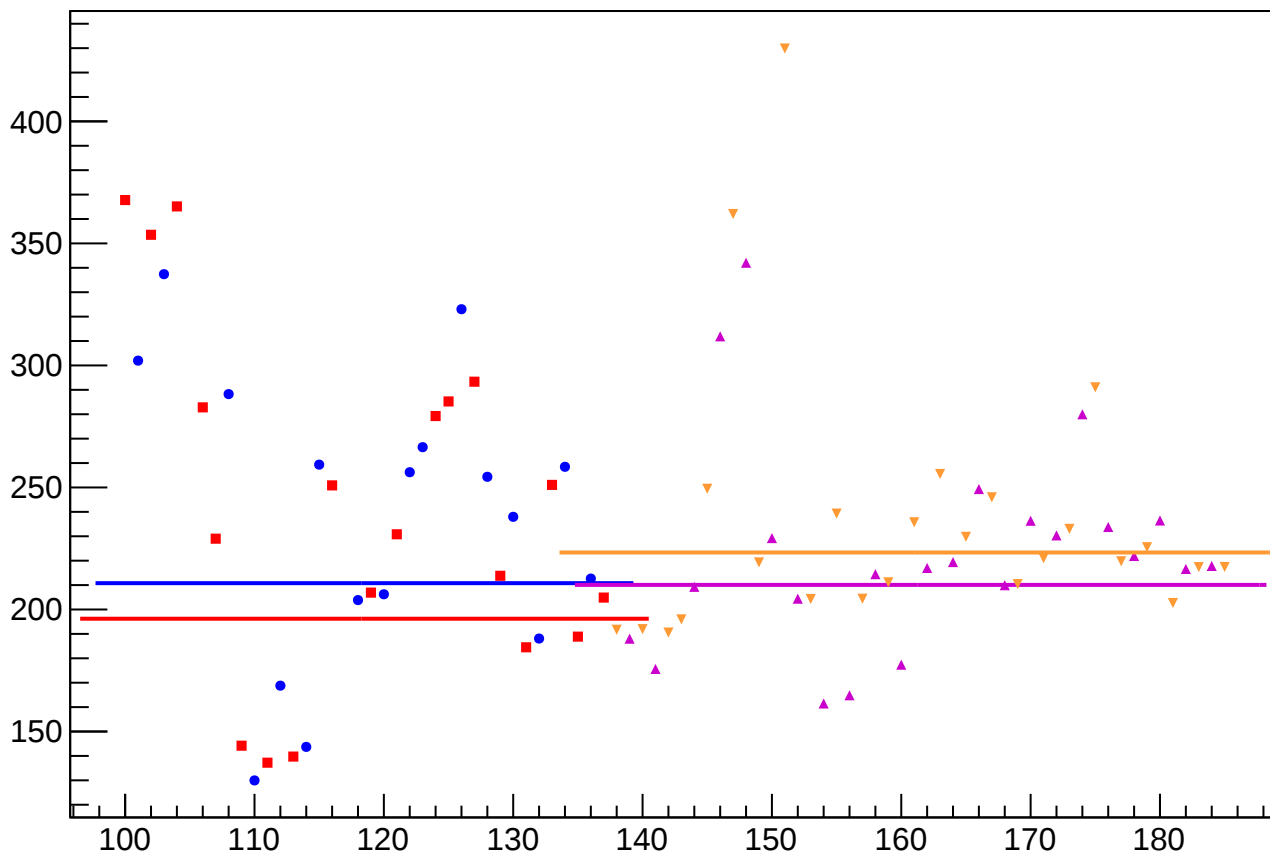
Left In: -300.516 ± 51.984 χ^2/NDF : 1208.6/22

+ sign 432.051 ± 45.315 χ^2/NDF : 2290.6/41

All: 247.944 ± 31.315 χ^2/NDF : 4230.3/83

- 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: 223.356+/-0.038 χ^2/NDF : 923518.5/24

Right Out: 196.216+/-0.055 χ^2/NDF : 1201600.7/18

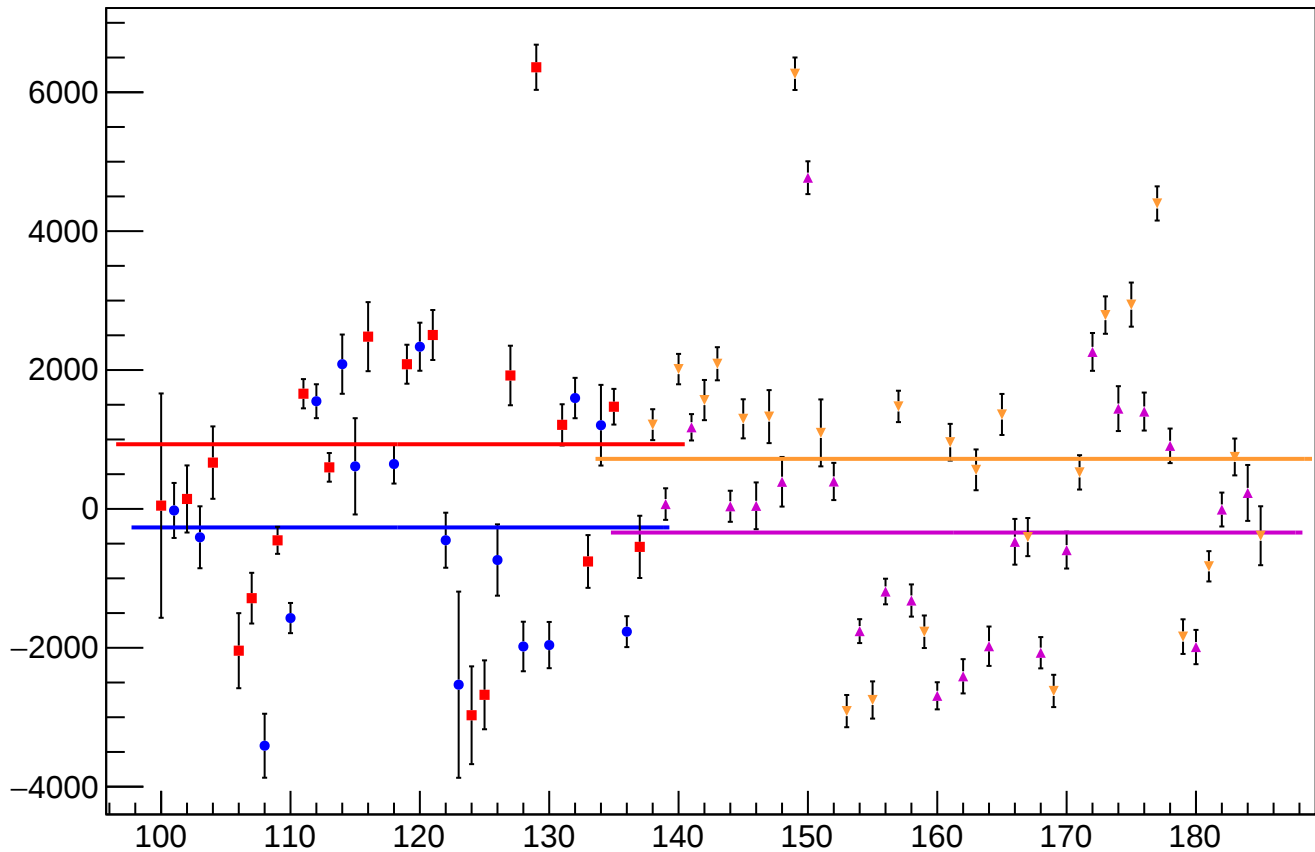
Left In: 210.080+/-0.037 χ^2/NDF : 1015274.5/22

+ sign 219.837+/-0.032 χ^2/NDF : 1827642.3/41

All: 212.528+/-0.022 χ^2/NDF : 4187570.2/83

- sign 205.846+/-0.031 χ^2/NDF : 2260317.9/41

asym_bpm0l06WS_mean vs Slug



Right In: -266.674 ± 82.997 χ^2/NDF : 383.4/16

Left Out: 720.756 ± 52.313 χ^2/NDF : 1910.8/24

Right Out: 931.196 ± 75.469 χ^2/NDF : 584.4/18

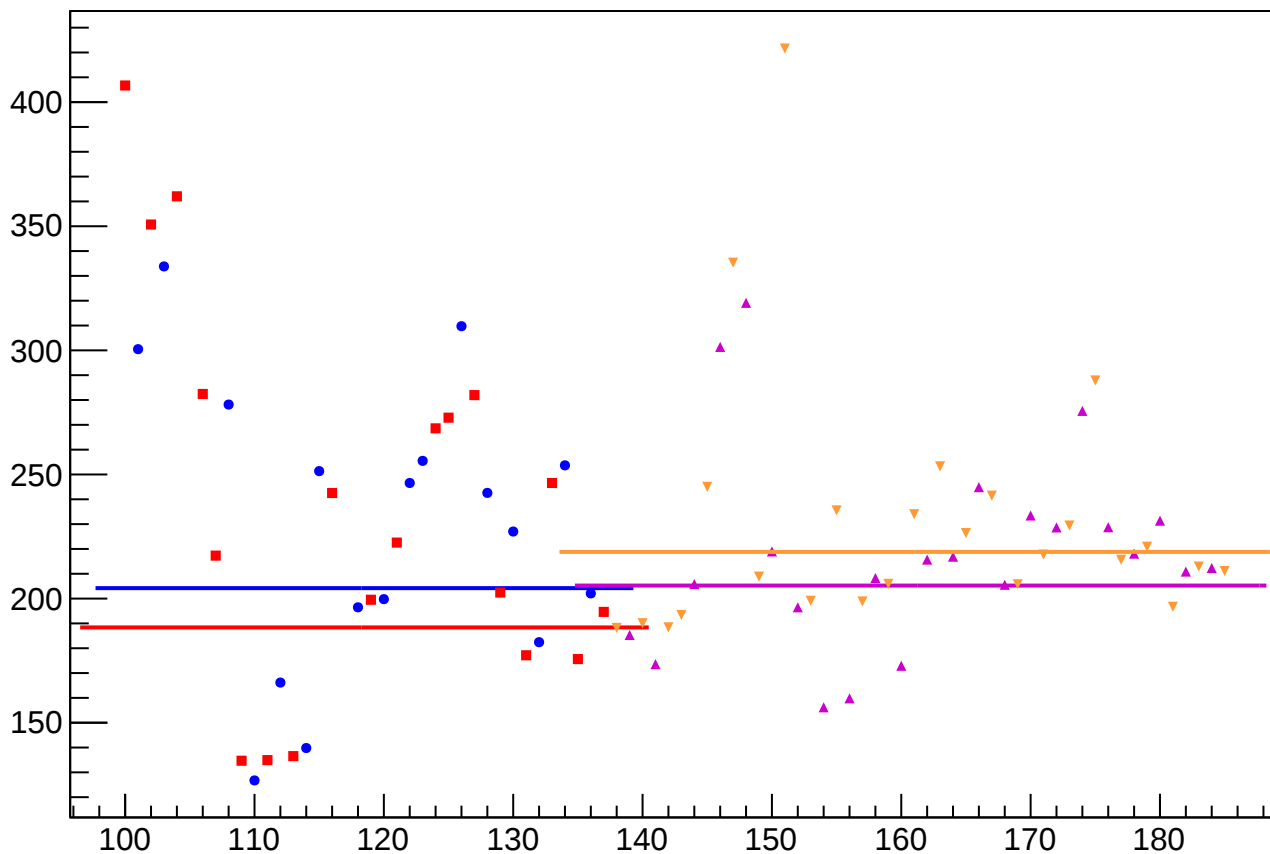
Left In: -340.502 ± 50.802 χ^2/NDF : 1201.8/22

+ sign 440.006 ± 44.256 χ^2/NDF : 2395.6/41

All: 238.650 ± 30.519 χ^2/NDF : 4416.7/83

- sign 56.055 ± 42.144 χ^2/NDF : 1981.6/41

asym_bpm0l06WS_rms vs Slug



Right In: 204.211+/-0.059 χ^2/NDF : 866108.6/16

Left Out: 218.814+/-0.037 χ^2/NDF : 897901.0/24

Right Out: 188.384+/-0.053 χ^2/NDF : 1247760.0/18

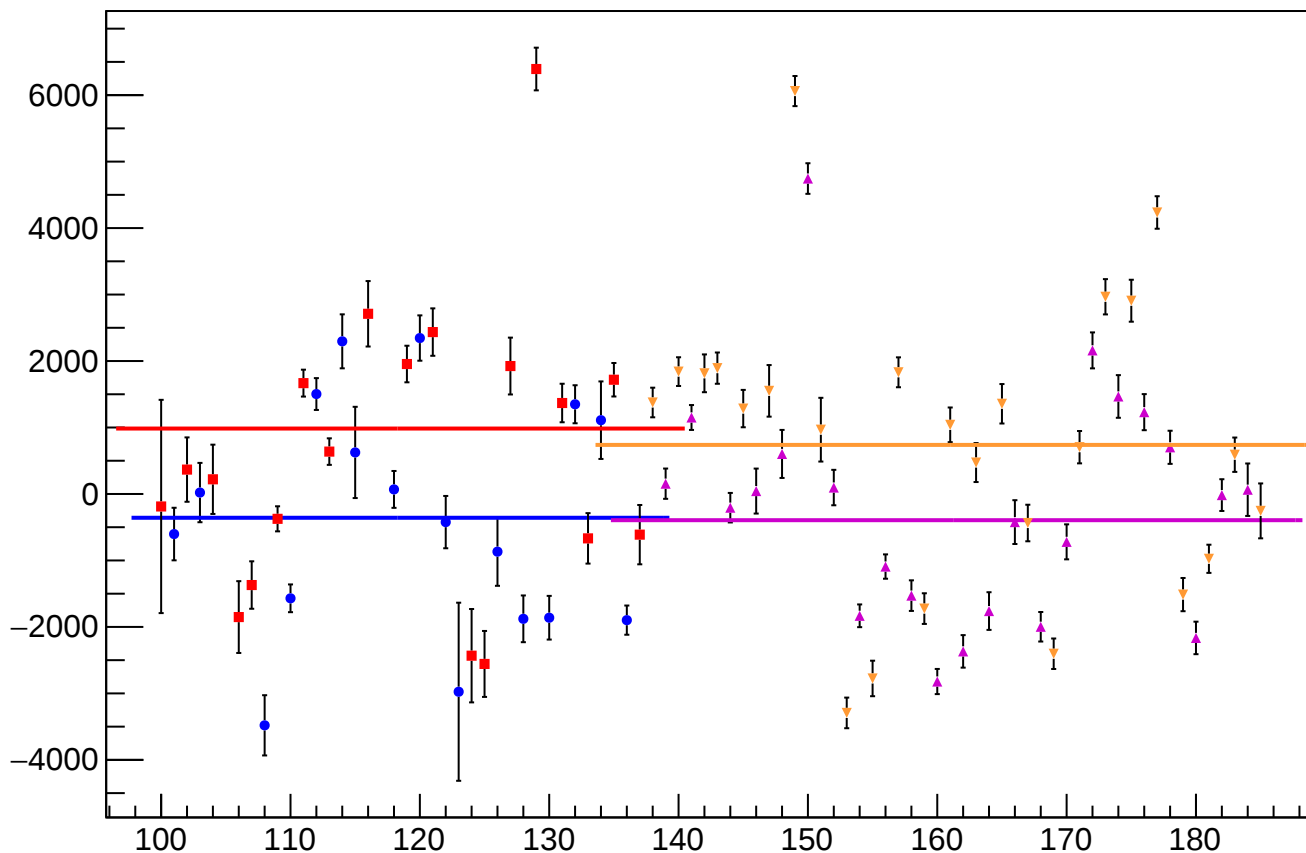
Left In: 205.249+/-0.036 χ^2/NDF : 997168.8/22

+ sign 214.662+/-0.031 χ^2/NDF : 1808320.2/41

All: 206.968+/-0.022 χ^2/NDF : 4237263.5/83

- sign 199.990+/-0.030 χ^2/NDF : 2313657.4/41

asym_bpm0l07WS_mean vs Slug



Right In: -357.821 ± 81.517 χ^2/NDF : 388.2/16

Left Out: 738.284 ± 51.744 χ^2/NDF : 1937.8/24

Right Out: 984.342 ± 73.851 χ^2/NDF : 588.2/18

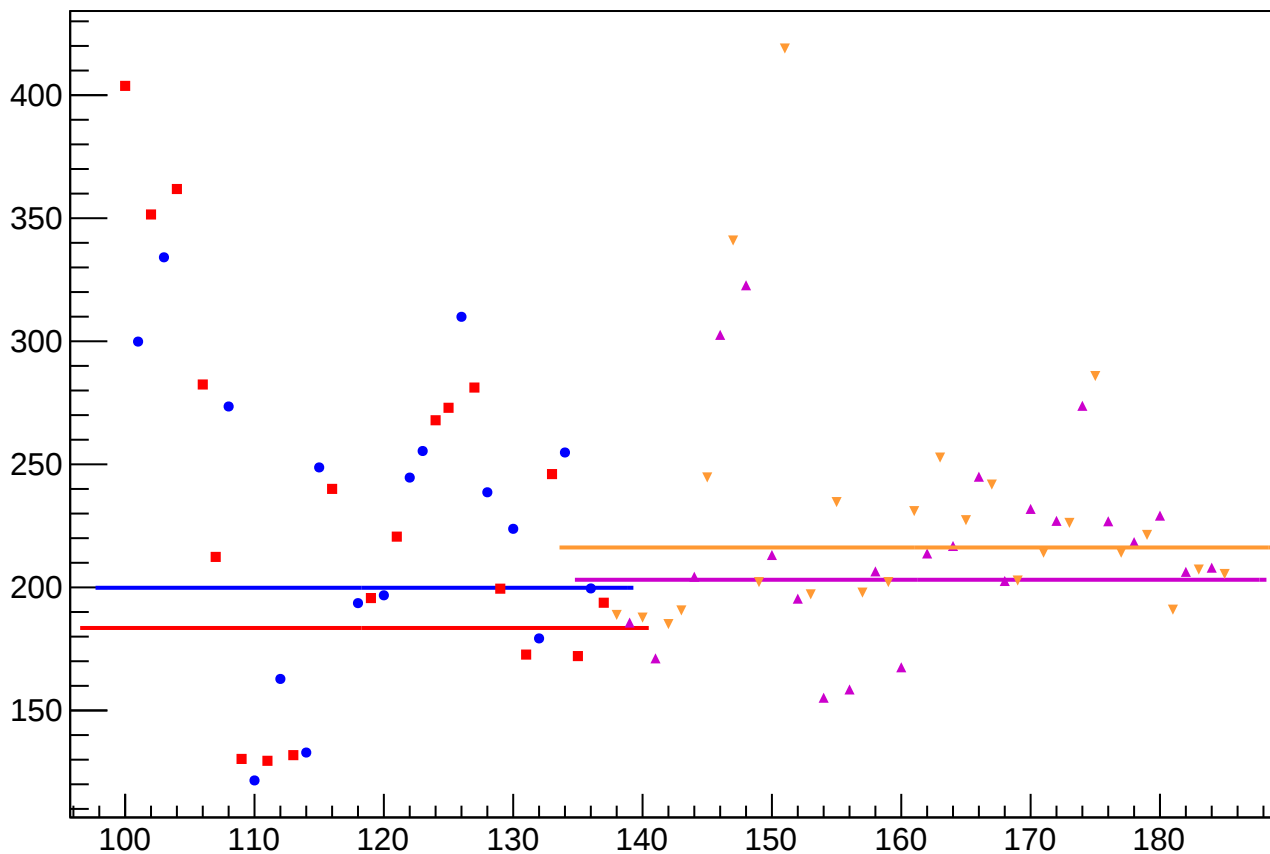
Left In: -394.379 ± 50.311 χ^2/NDF : 1236.4/22

+ sign 423.475 ± 43.686 χ^2/NDF : 2454.9/41

All: 223.663 ± 30.118 χ^2/NDF : 4557.4/83

- sign 42.660 ± 41.579 χ^2/NDF : 2062.7/41

asym_bpm0l07WS_rms vs Slug



Right In: 199.847 $\pm$ 0.058 χ^2 /NDF: 940786.8/16

Left Out: 216.222 $\pm$ 0.037 χ^2 /NDF: 947115.2/24

Right Out: 183.513 $\pm$ 0.052 χ^2 /NDF: 1345883.7/18

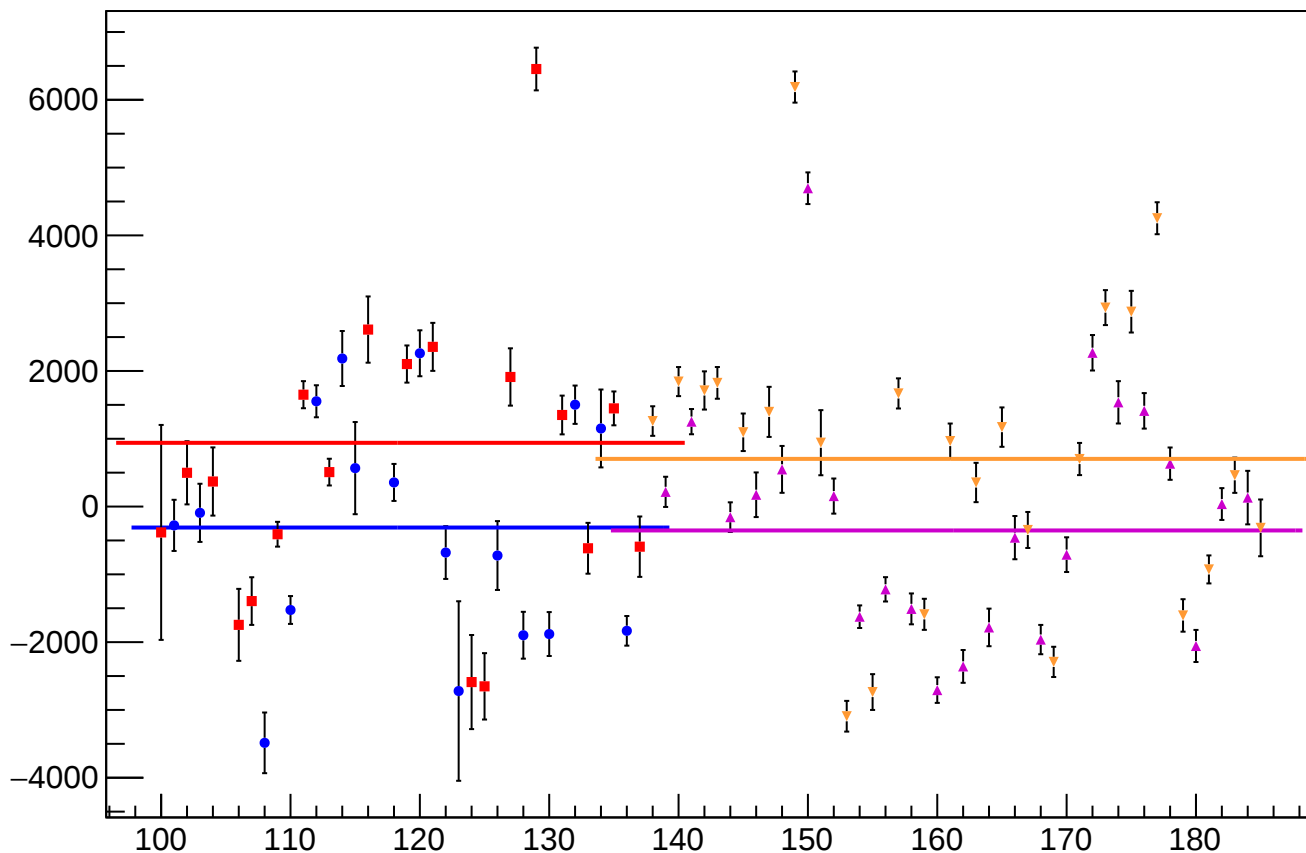
Left In: 203.101 $\pm$ 0.036 χ^2 /NDF: 1038013.0/22

+ sign 211.519 $\pm$ 0.031 χ^2 /NDF: 1945426.1/41

All: 203.844 $\pm$ 0.021 χ^2 /NDF: 4543060.9/83

- sign 196.892 $\pm$ 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: 703.326 ± 50.899 χ^2/NDF : 1928.9/24

Right Out: 940.123 ± 72.716 χ^2/NDF : 616.8/18

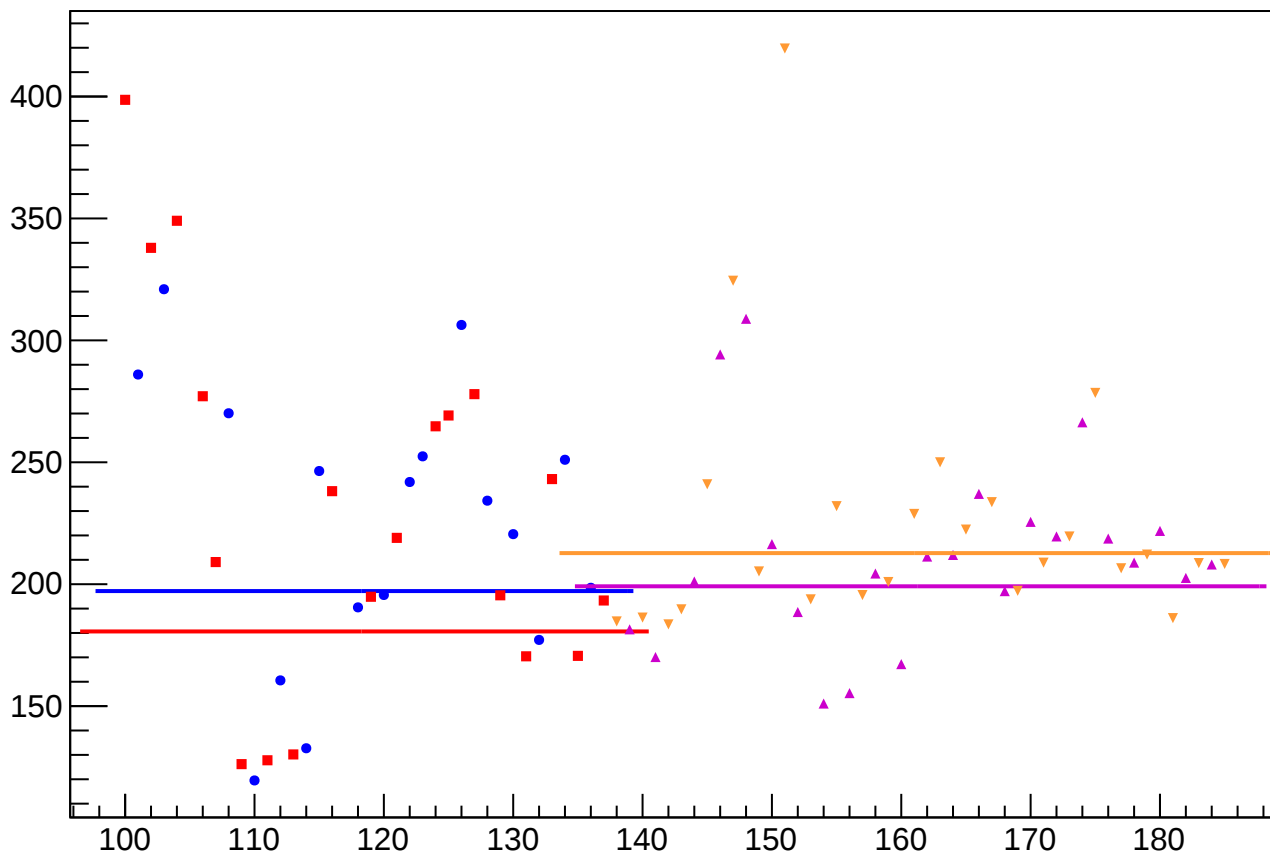
Left In: -352.432 ± 49.316 χ^2/NDF : 1233.1/22

+ sign 413.349 ± 42.999 χ^2/NDF : 2438.7/41

All: 224.730 ± 29.602 χ^2/NDF : 4541.6/83

- 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: 212.753 $\pm$ 0.036 χ^2 /NDF: 917275.3/24

Right Out: 180.624 $\pm$ 0.051 χ^2 /NDF: 1341837.4/18

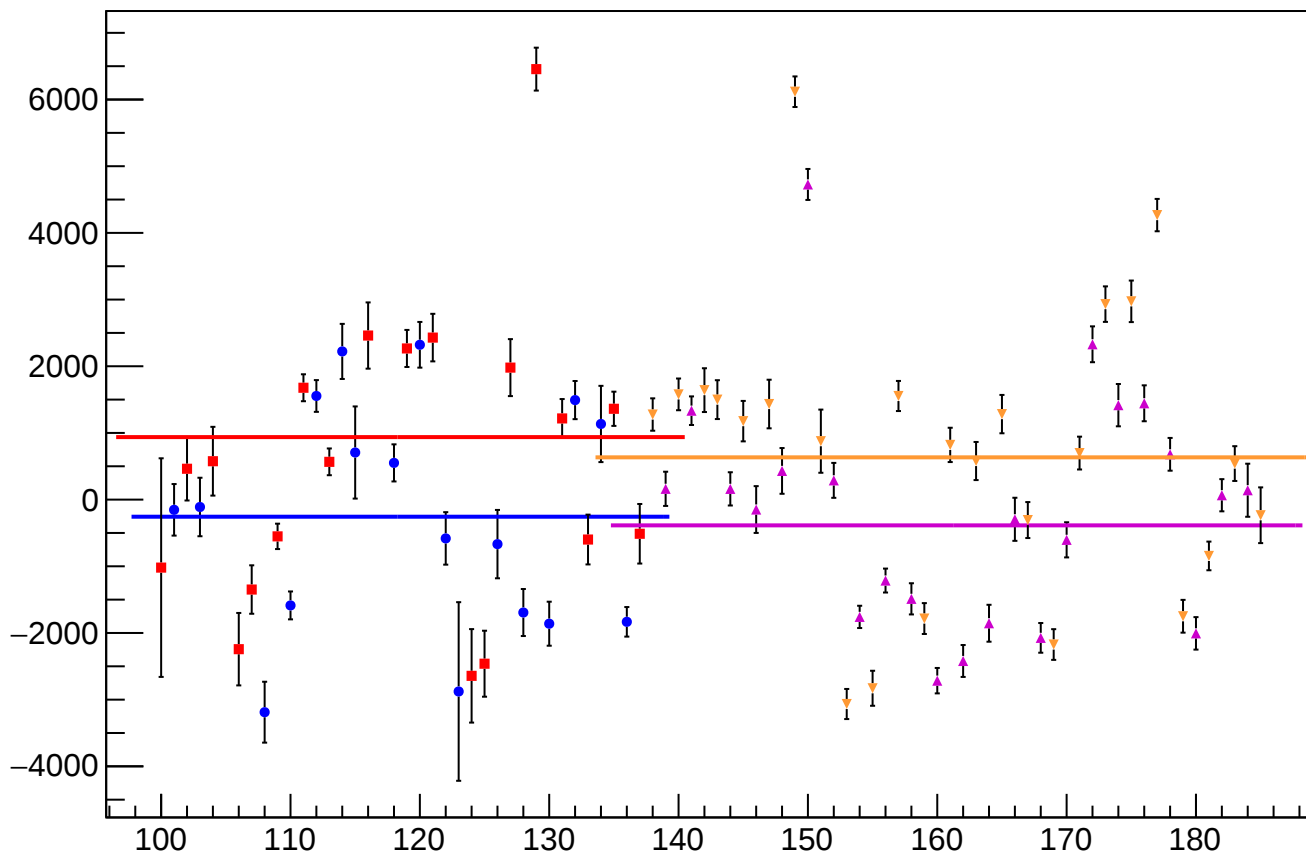
Left In: 199.142 $\pm$ 0.035 χ^2 /NDF: 985932.4/22

+ sign 208.296 $\pm$ 0.030 χ^2 /NDF: 1880780.8/41

All: 200.412 $\pm$ 0.021 χ^2 /NDF: 4425210.7/83

- 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: 633.917 ± 52.811 χ^2/NDF : 1856.3/24

Right Out: 937.482 ± 74.168 χ^2/NDF : 609.1/18

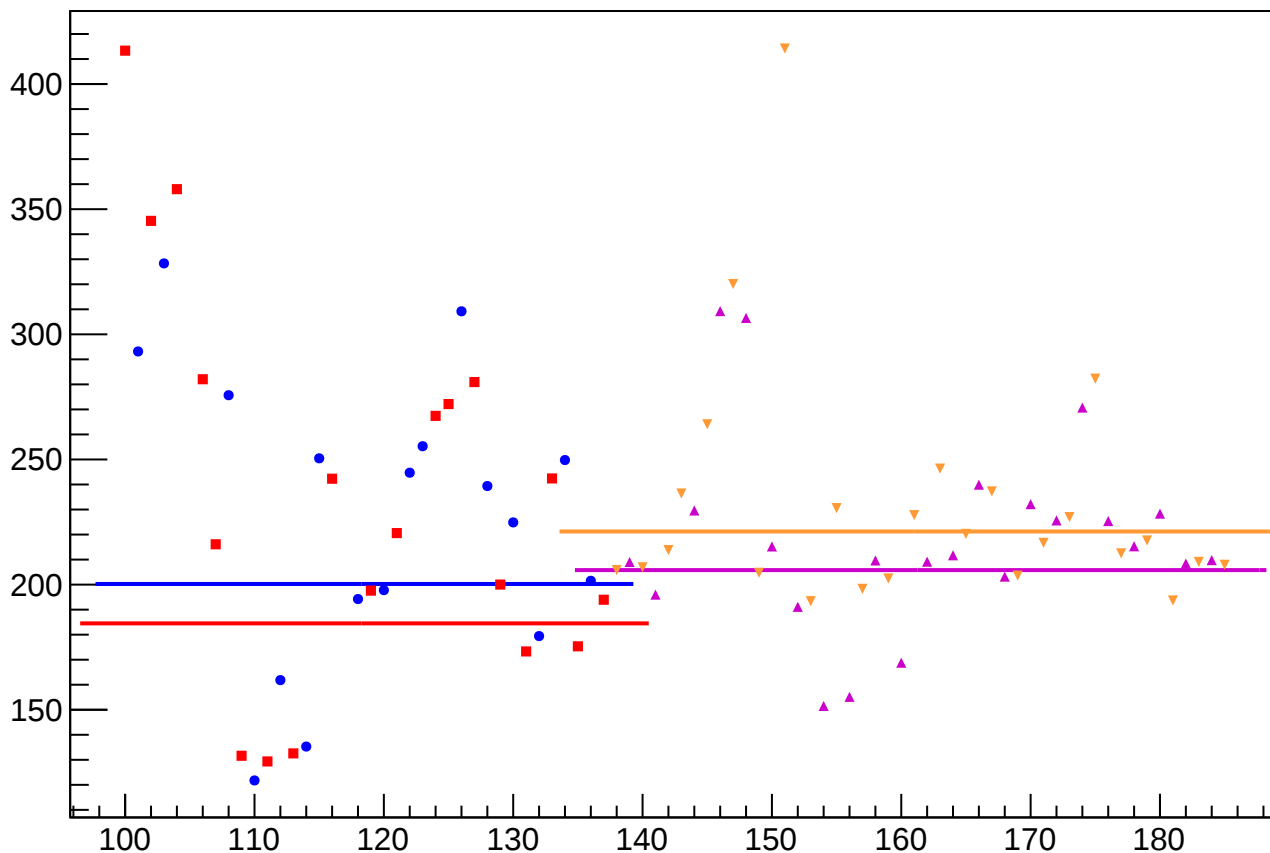
Left In: -386.248 ± 50.994 χ^2/NDF : 1238.0/22

+ sign 371.050 ± 44.335 χ^2/NDF : 2322.0/41

All: 195.942 ± 30.498 χ^2/NDF : 4415.0/83

- 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: 221.230 $\pm$ 0.037 χ^2 /NDF: 774160.5/24

Right Out: 184.510 $\pm$ 0.052 χ^2 /NDF: 1314720.9/18

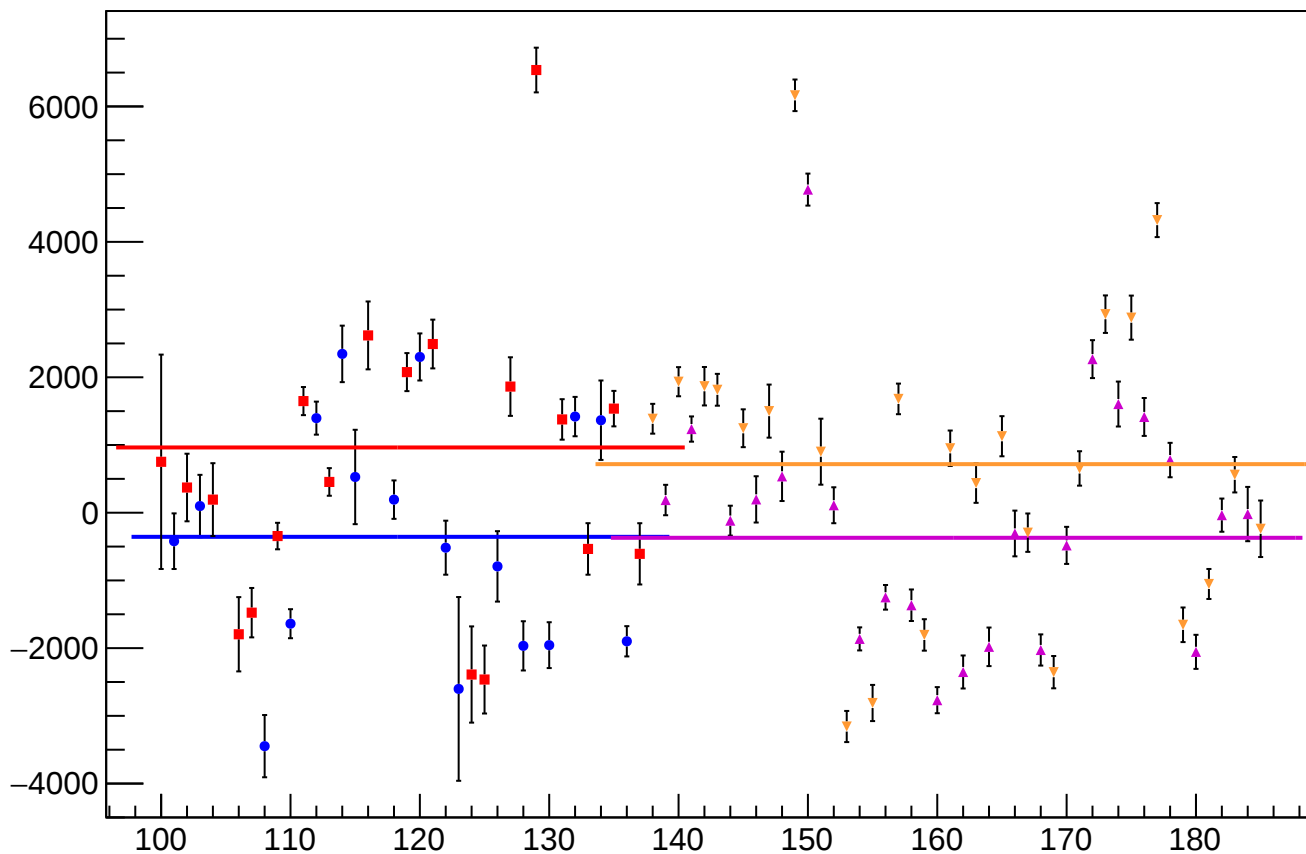
Left In: 205.803 $\pm$ 0.036 χ^2 /NDF: 994903.5/22

+ sign 215.037 $\pm$ 0.031 χ^2 /NDF: 1783207.4/41

All: 206.573 $\pm$ 0.022 χ^2 /NDF: 4343173.6/83

- 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: 717.300 ± 52.467 χ^2/NDF : 1879.1/24

Right Out: 963.743 ± 75.713 χ^2/NDF : 572.4/18

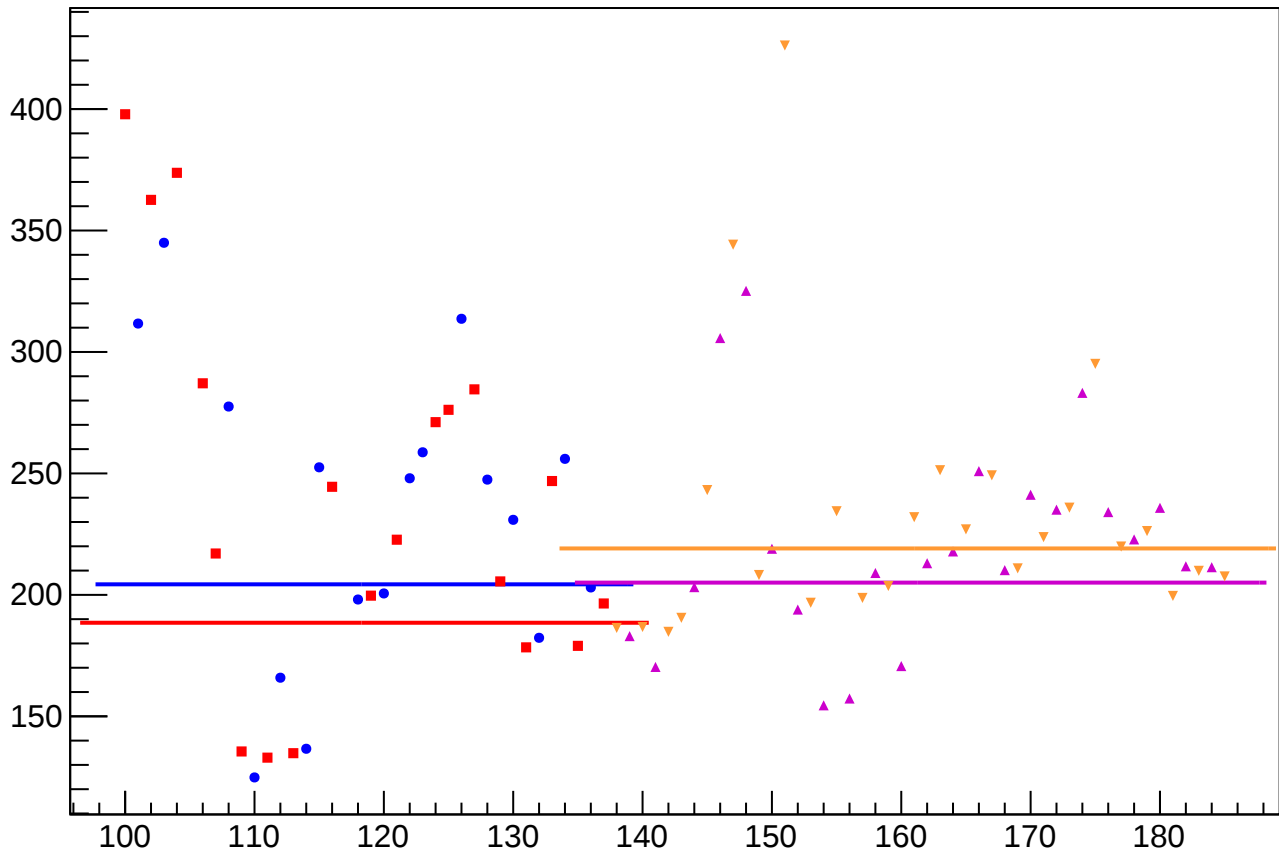
Left In: -370.408 ± 50.884 χ^2/NDF : 1223.2/22

+ sign 412.521 ± 44.398 χ^2/NDF : 2376.5/41

All: 219.425 ± 30.600 χ^2/NDF : 4422.0/83

- 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: 219.114 $\pm$ 0.037 χ^2 /NDF: 976320.3/24

Right Out: 188.523 $\pm$ 0.054 χ^2 /NDF: 1311109.8/18

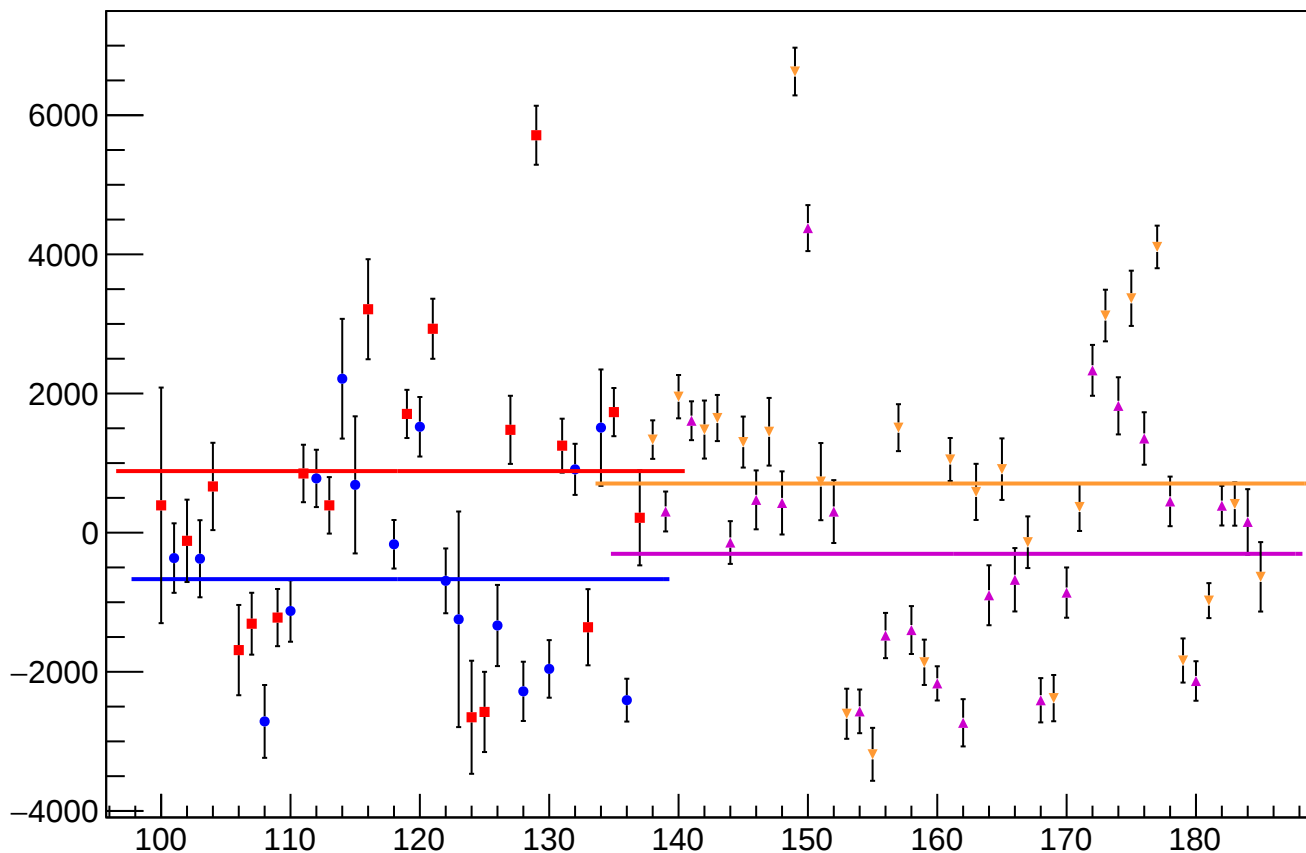
Left In: 205.046 $\pm$ 0.036 χ^2 /NDF: 1144197.1/22

+ sign 214.920 $\pm$ 0.031 χ^2 /NDF: 1966253.5/41

All: 207.038 $\pm$ 0.022 χ^2 /NDF: 4607251.9/83

- sign 199.905 $\pm$ 0.030 χ^2 /NDF: 2520921.6/41

asym_bpm0r03WS_mean vs Slug



Right In: -668.118 ± 114.189 χ^2/NDF : 153.3/16

Left Out: 706.315 ± 69.791 χ^2/NDF : 1014.8/24

Right Out: 884.858 ± 110.843 χ^2/NDF : 320.1/18

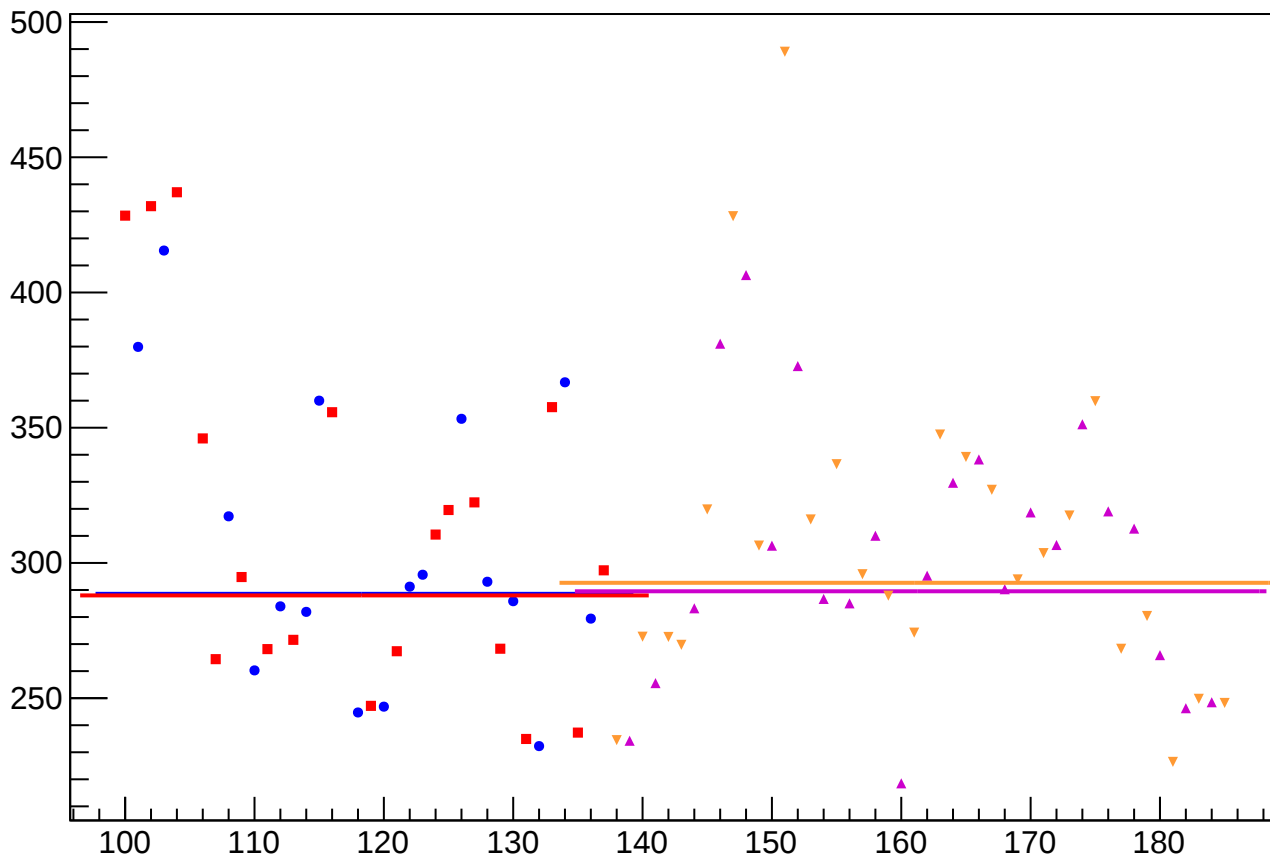
Left In: -304.161 ± 70.958 χ^2/NDF : 643.5/22

+ sign 332.527 ± 59.549 χ^2/NDF : 1273.6/41

All: 187.515 ± 42.182 χ^2/NDF : 2330.8/83

- sign 41.469 ± 59.761 χ^2/NDF : 1045.3/41

asym_bpm0r03WS_rms vs Slug



Right In: 288.577 $\pm$ 0.081 χ^2 /NDF: 338793.1/16

Left Out: 292.658 $\pm$ 0.049 χ^2 /NDF: 926465.5/24

Right Out: 287.995 $\pm$ 0.078 χ^2 /NDF: 459962.0/18

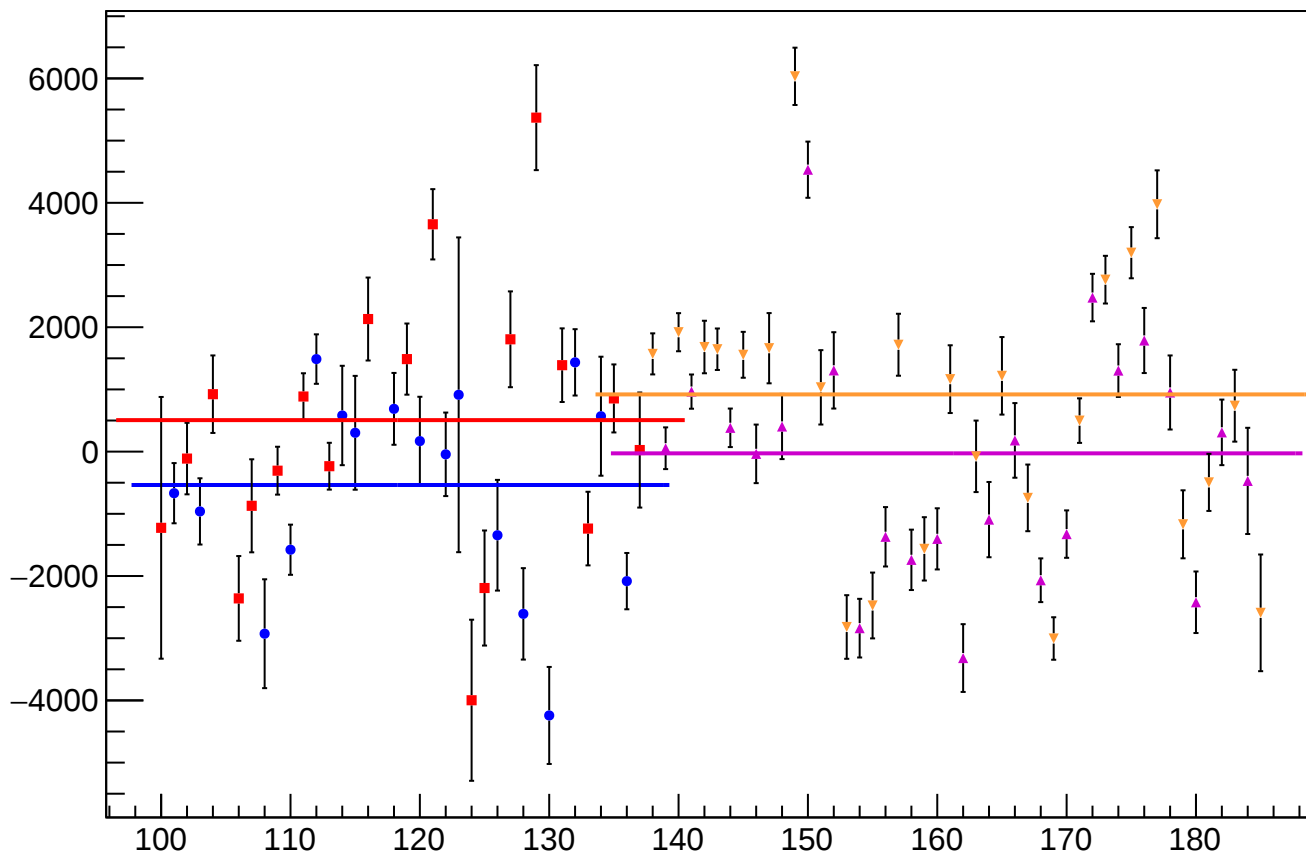
Left In: 289.522 $\pm$ 0.050 χ^2 /NDF: 777901.0/22

+ sign 291.548 $\pm$ 0.042 χ^2 /NDF: 1267118.6/41

All: 290.317 $\pm$ 0.030 χ^2 /NDF: 2506965.4/83

- 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: 919.824+/-89.505 χ^2 /NDF:541.3/24

Right Out: 506.373+/-135.761 χ^2 /NDF: 140.9/18

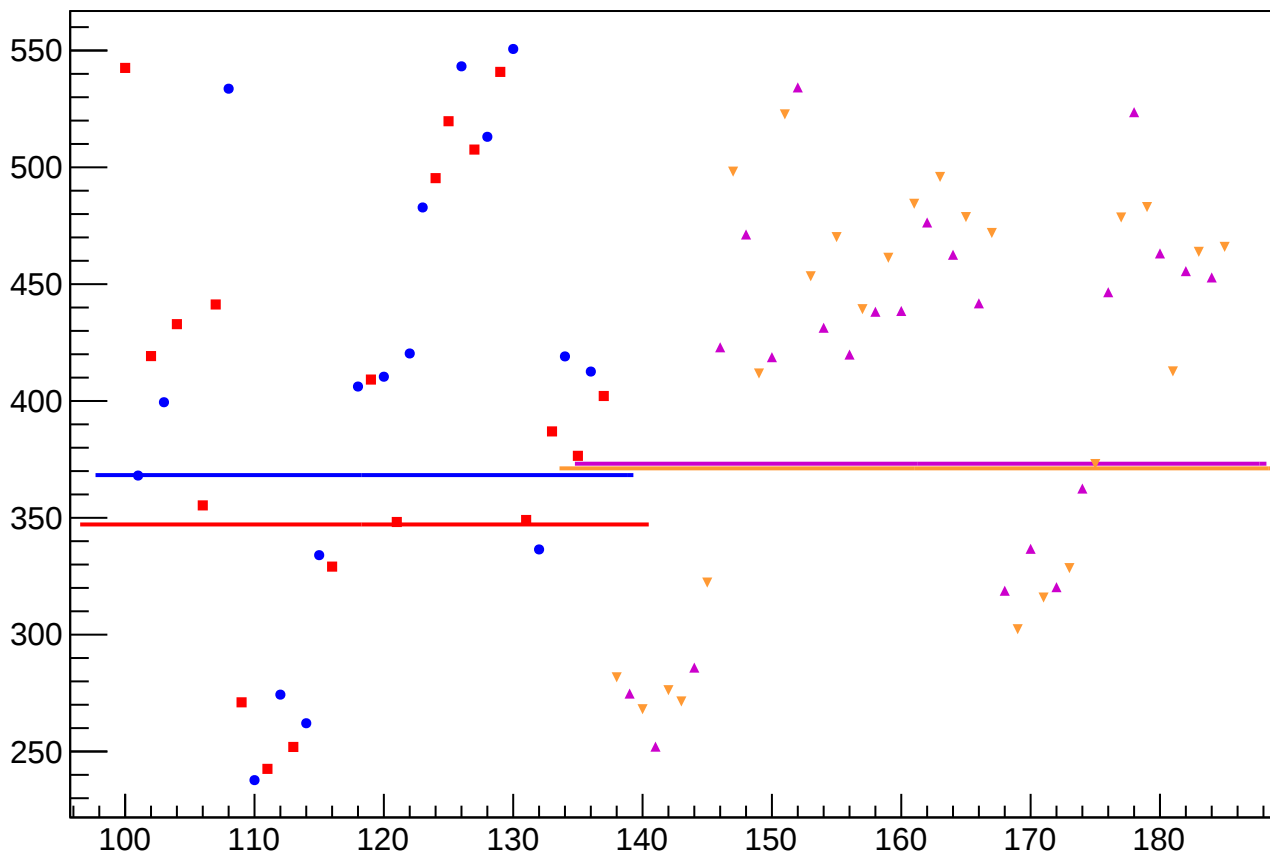
Left In: -27.763+/-92.331 χ^2 /NDF:362.5/22

+ sign 528.148+/-76.529 χ^2 /NDF: 720.4/41

All: 334.195+/-54.050 χ^2 /NDF: 1247.3/83

- sign 141.161+/-76.347 χ^2 /NDF: 514.0/41

asym_bpm0r05WS_rms vs Slug



Right In: 368.287+/-0.104 χ^2/NDF : 765418.4/16

Left Out: 371.167+/-0.063 χ^2/NDF :1869086.1/24

Right Out: 347.159+/-0.096 χ^2/NDF : 816304.3/18

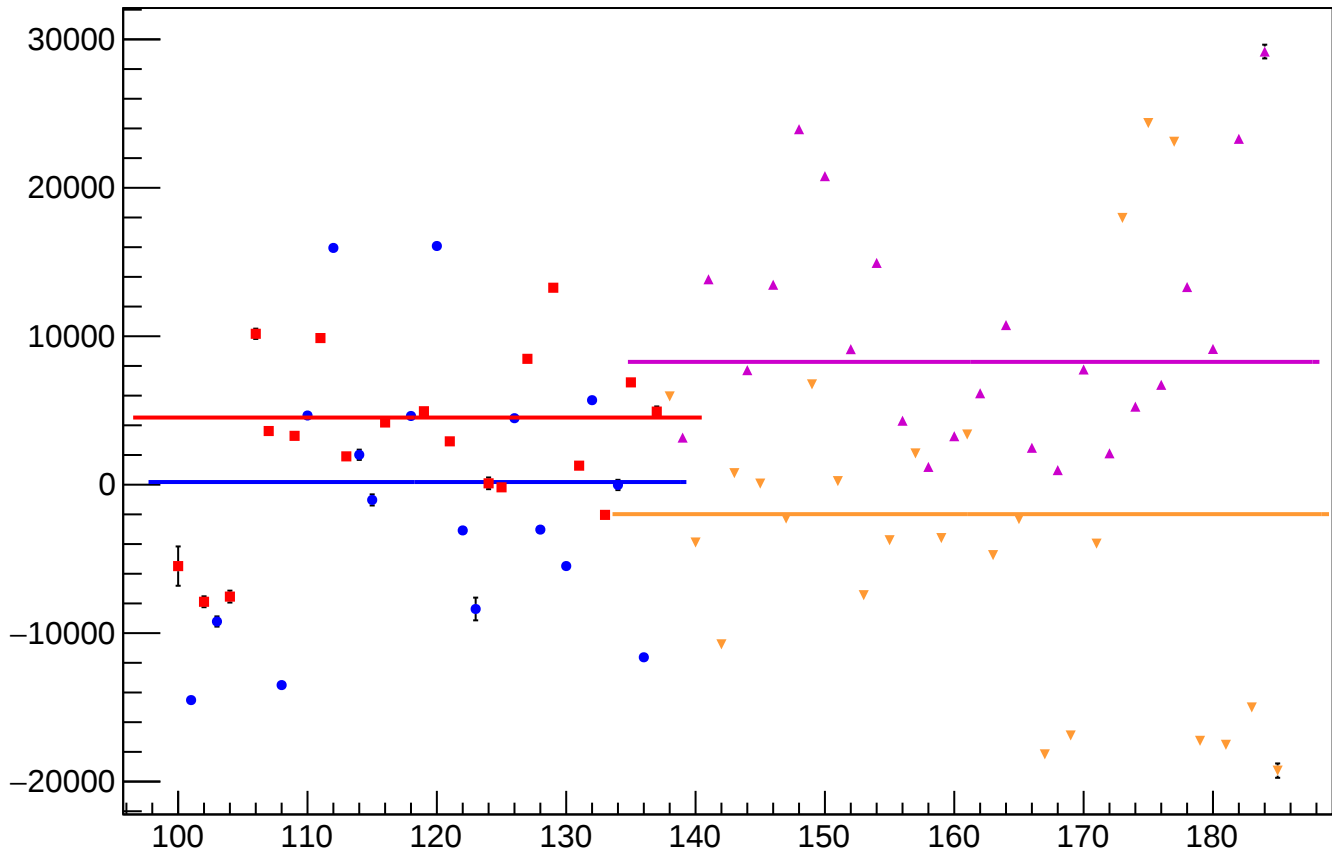
Left In: 373.161+/-0.065 χ^2/NDF :1636244.2/22

+ sign 370.393+/-0.054 χ^2/NDF : 2635061.3/41

All: 367.659+/-0.038 χ^2/NDF : 5142867.4/83

- sign 364.937+/-0.054 χ^2/NDF : 2502712.6/41

asym_bpm0i02WS_mean vs Slug



Right In: 178.788 $\pm$ 54.896 χ^2 /NDF: 30662.2/16

Left Out: -1984.621 $\pm$ 42.506 χ^2 /NDF: 63793.3/24

Right Out: 4523.222 $\pm$ 52.440 χ^2 /NDF: 7474.2/18

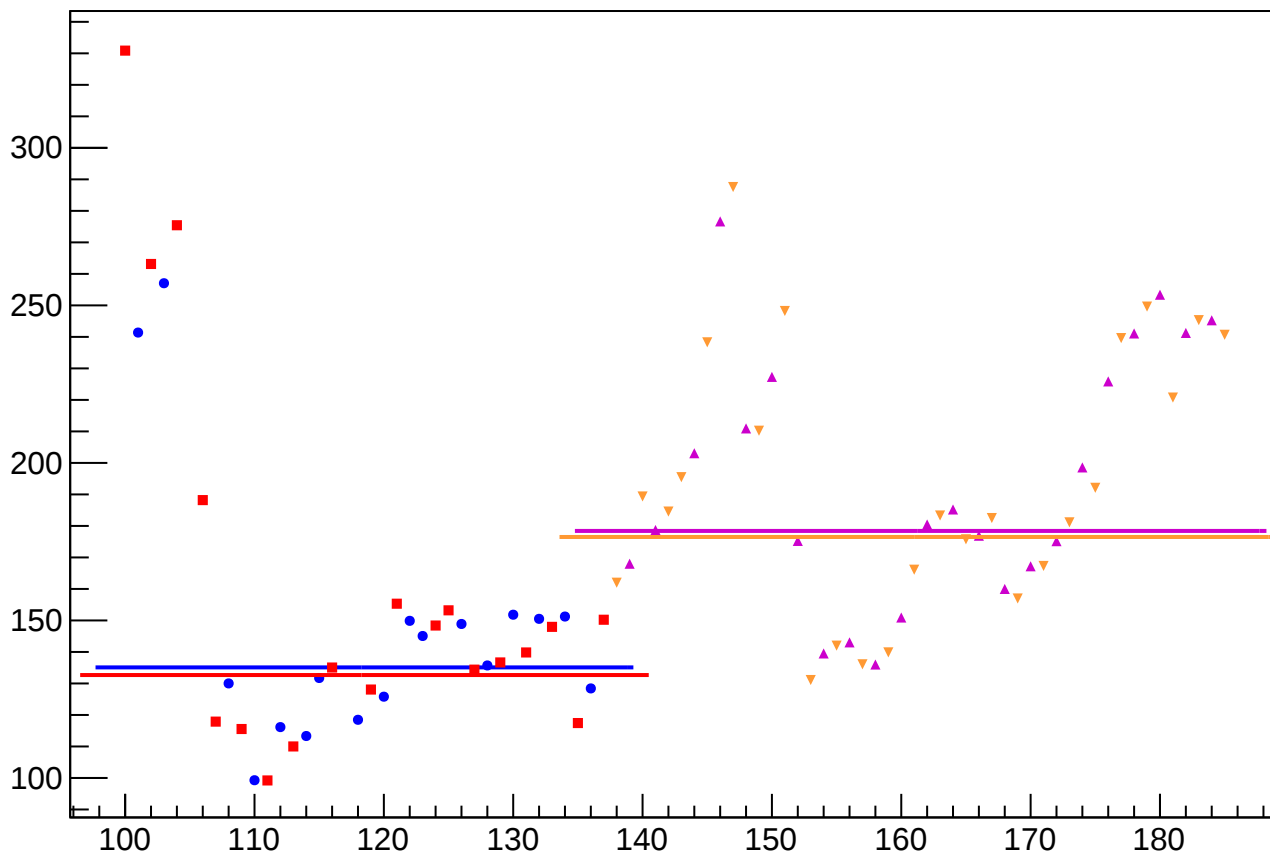
Left In: 8273.228 $\pm$ 44.301 χ^2 /NDF: 22870.2/22

+ sign -1173.740 $\pm$ 33.609 χ^2 /NDF: 95426.4/41

All: 2741.674 $\pm$ 23.847 χ^2 /NDF: 156087.7/83

- sign 6711.488 $\pm$ 33.841 χ^2 /NDF: 33328.4/41

asym_bpm0i02WS_rms vs Slug



Right In: 135.099 $\pm$ 0.039 χ^2 /NDF: 657657.4/16

Left Out: 176.492 $\pm$ 0.030 χ^2 /NDF:1545933.2/24

Right Out: 132.672 $\pm$ 0.037 χ^2 /NDF: 828363.1/18

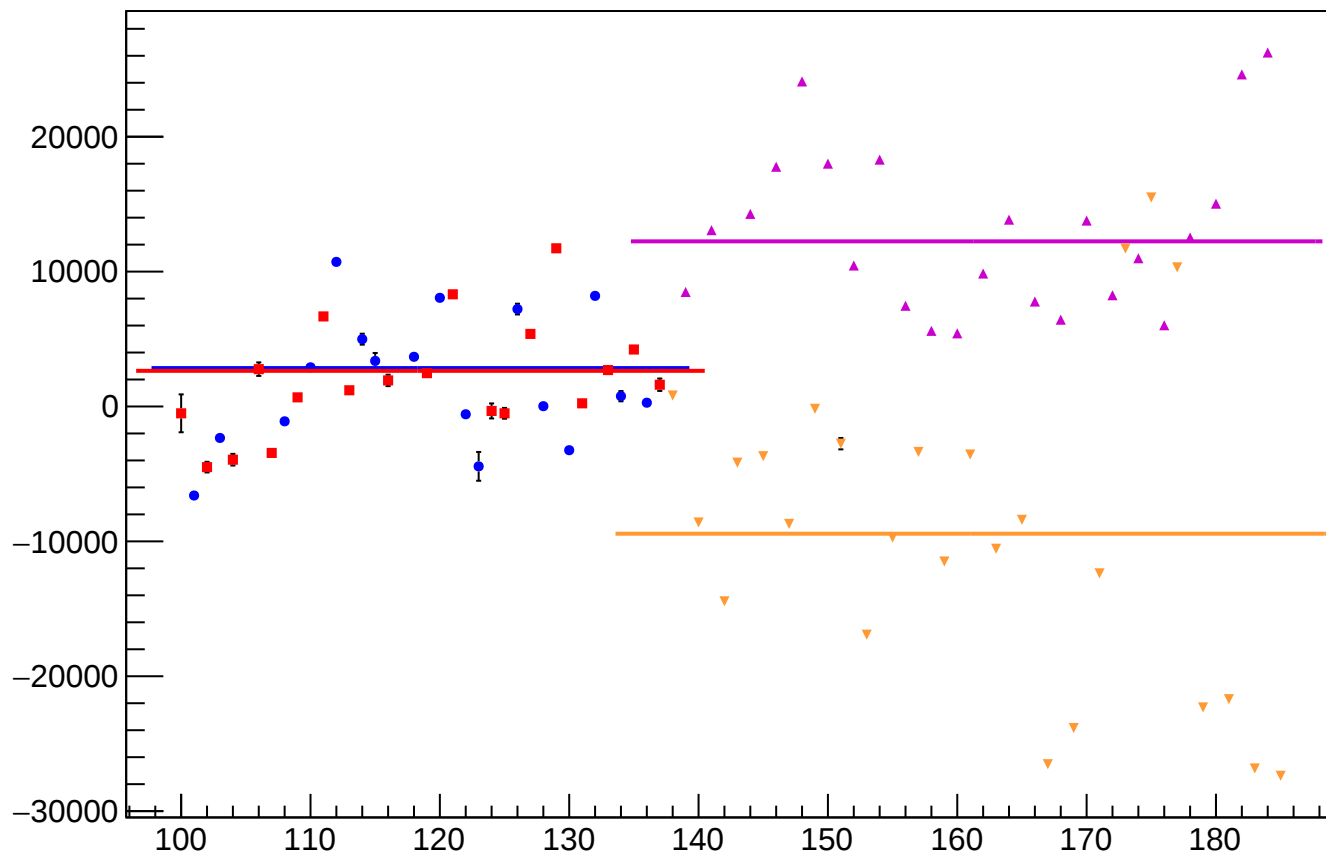
Left In: 178.413 $\pm$ 0.031 χ^2 /NDF:1293736.2/22

+ sign 160.977 $\pm$ 0.024 χ^2 /NDF: 2914486.1/41

All: 160.176 $\pm$ 0.017 χ^2 /NDF: 5926830.7/83

- sign 159.364 $\pm$ 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: -9431.211+/-45.640 χ^2/NDF : 62223.5/24

Right Out: 2643.505+/-65.711 χ^2/NDF : 3177.7/18

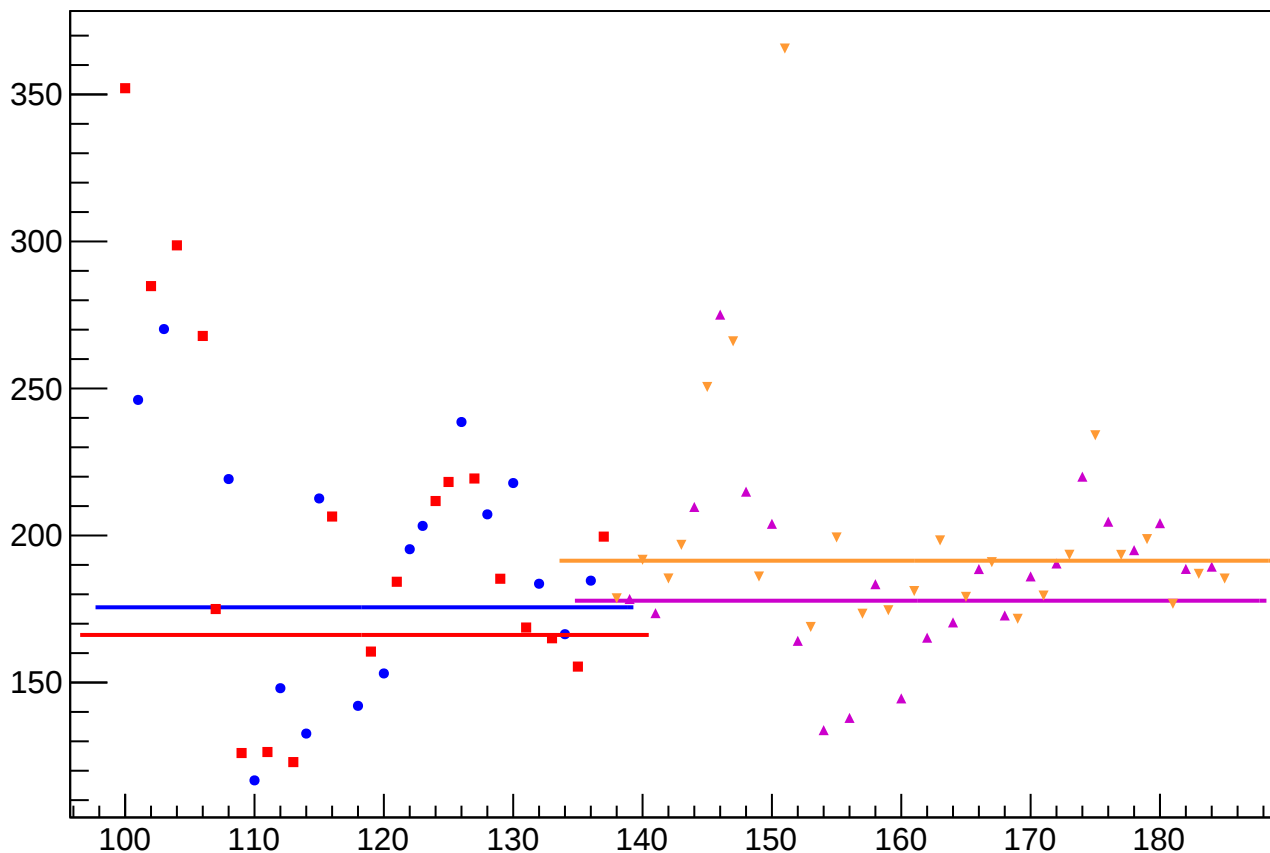
Left In: 12242.226+/-43.944 χ^2/NDF : 16615.8/22

+ sign -5833.812+/-38.375 χ^2/NDF : 87586.8/41

All: 2093.354+/-26.458 χ^2/NDF : 203458.1/83

- 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: 191.425+/-0.032 χ^2/NDF : 726315.0/24

Right Out: 166.180+/-0.046 χ^2/NDF : 925559.0/18

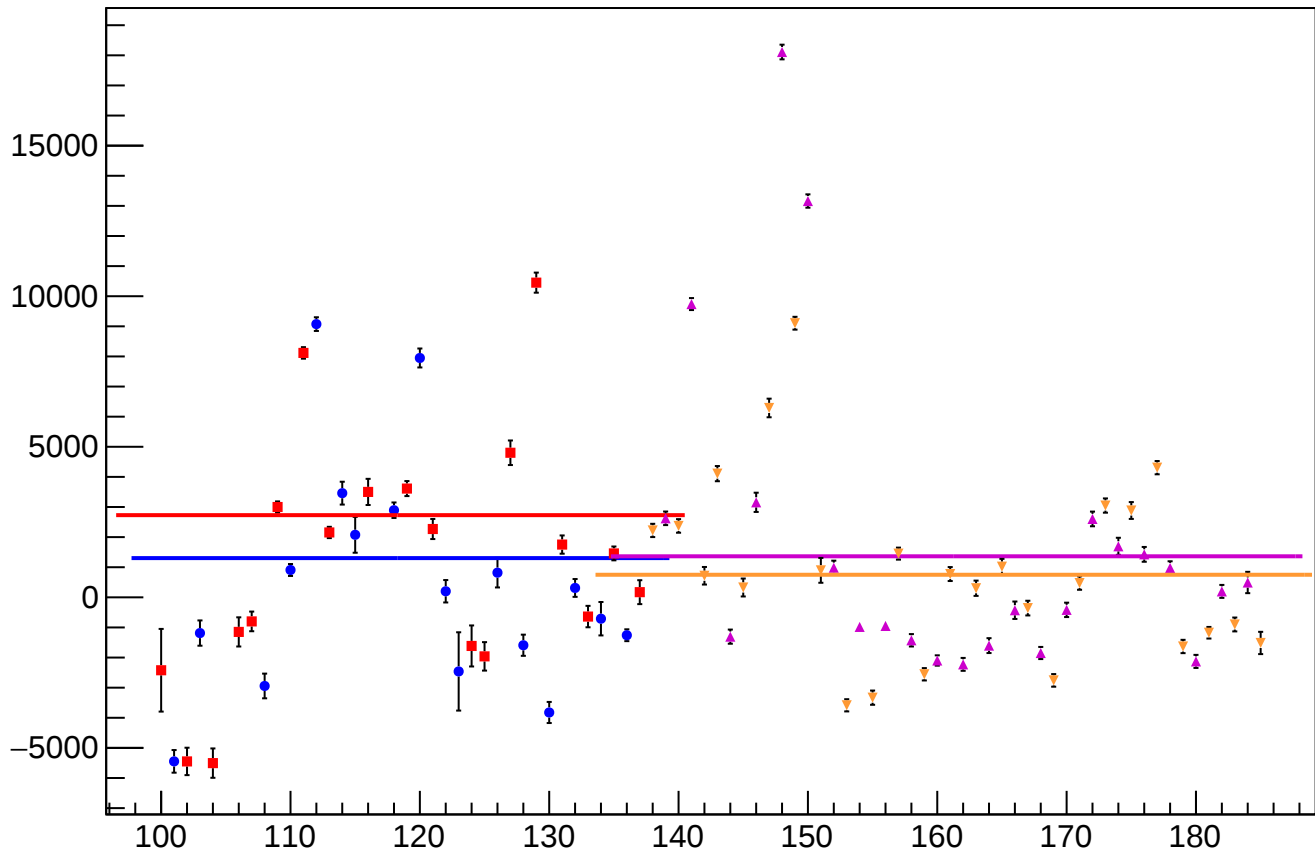
Left In: 177.821+/-0.031 χ^2/NDF : 862494.4/22

+ sign 186.783+/-0.027 χ^2/NDF : 1484780.7/41

All: 180.194+/-0.019 χ^2/NDF : 3428581.0/83

- 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: 749.740+/-47.570 χ^2/NDF : 4184.4/24

Right Out: 2729.355+/-70.012 χ^2/NDF : 2497.2/18

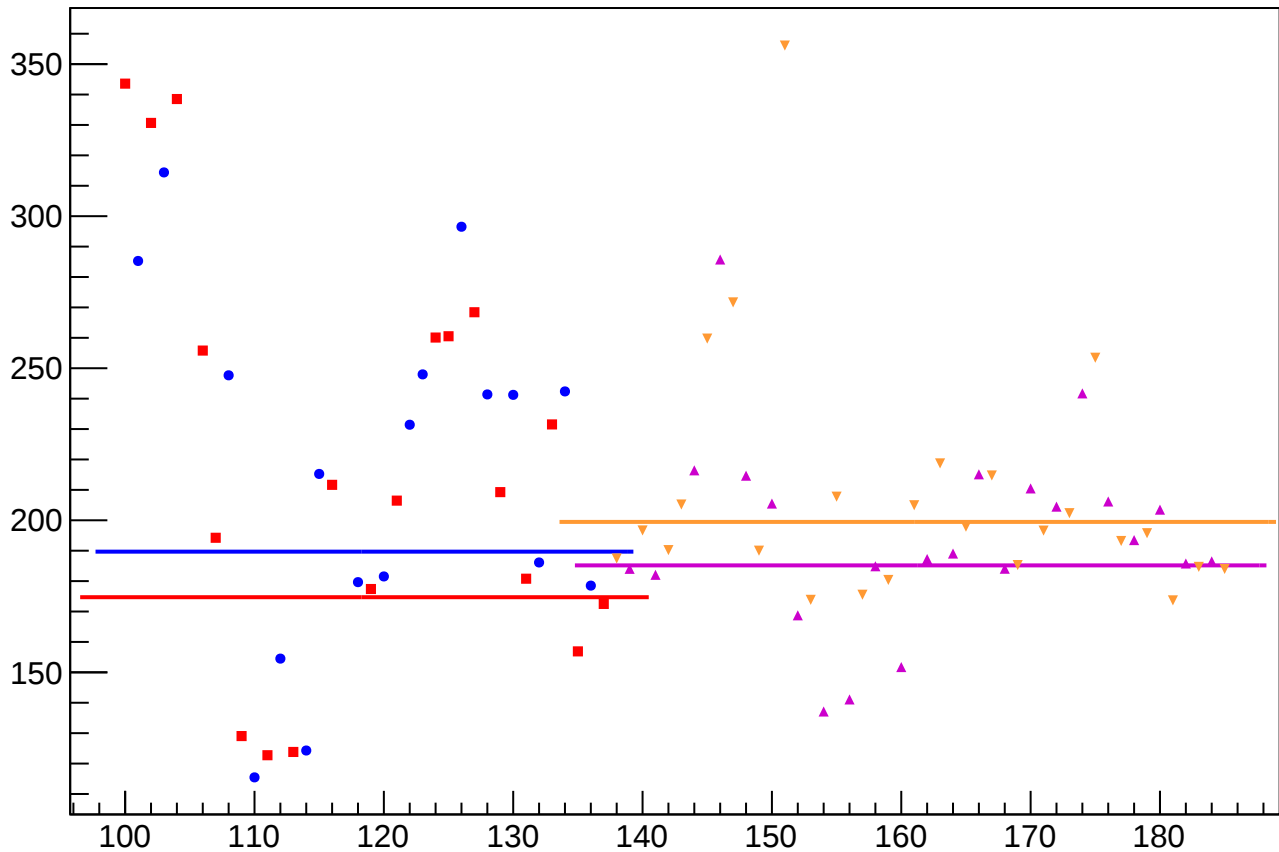
Left In: 1363.043+/-45.807 χ^2/NDF : 11632.9/22

+ sign 901.631+/-40.516 χ^2/NDF : 6871.4/41

All: 1361.236+/-27.845 χ^2/NDF : 21512.0/83

- sign 1772.602+/-38.331 χ^2/NDF : 14396.7/41

asym_bpm0i05WS_rms vs Slug



Right In: 189.687 ± 0.055 $\chi^2/\text{NDF}: 977199.2/16$

Left Out: 199.468 ± 0.034 $\chi^2/\text{NDF}: 728313.9/24$

Right Out: 174.707 ± 0.050 $\chi^2/\text{NDF}: 1291115.5/18$

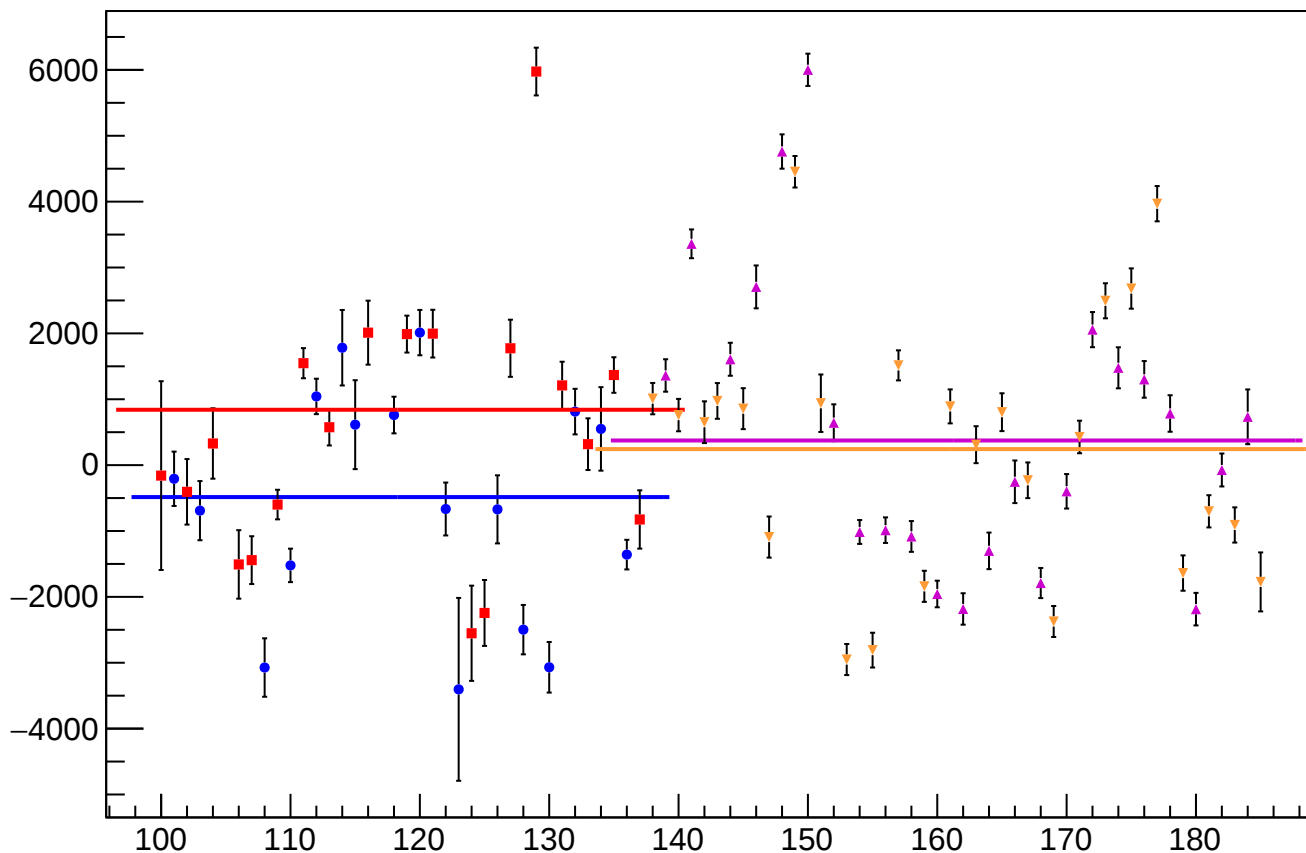
Left In: 185.171 ± 0.032 $\chi^2/\text{NDF}: 882752.2/22$

+ sign 196.783 ± 0.029 $\chi^2/\text{NDF}: 1728730.9/41$

All: 189.000 ± 0.020 $\chi^2/\text{NDF}: 4073731.9/83$

- 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: 243.485+/-53.696 χ^2/NDF :1353.1/24

Right Out: 840.594+/-82.233 χ^2/NDF : 438.2/18

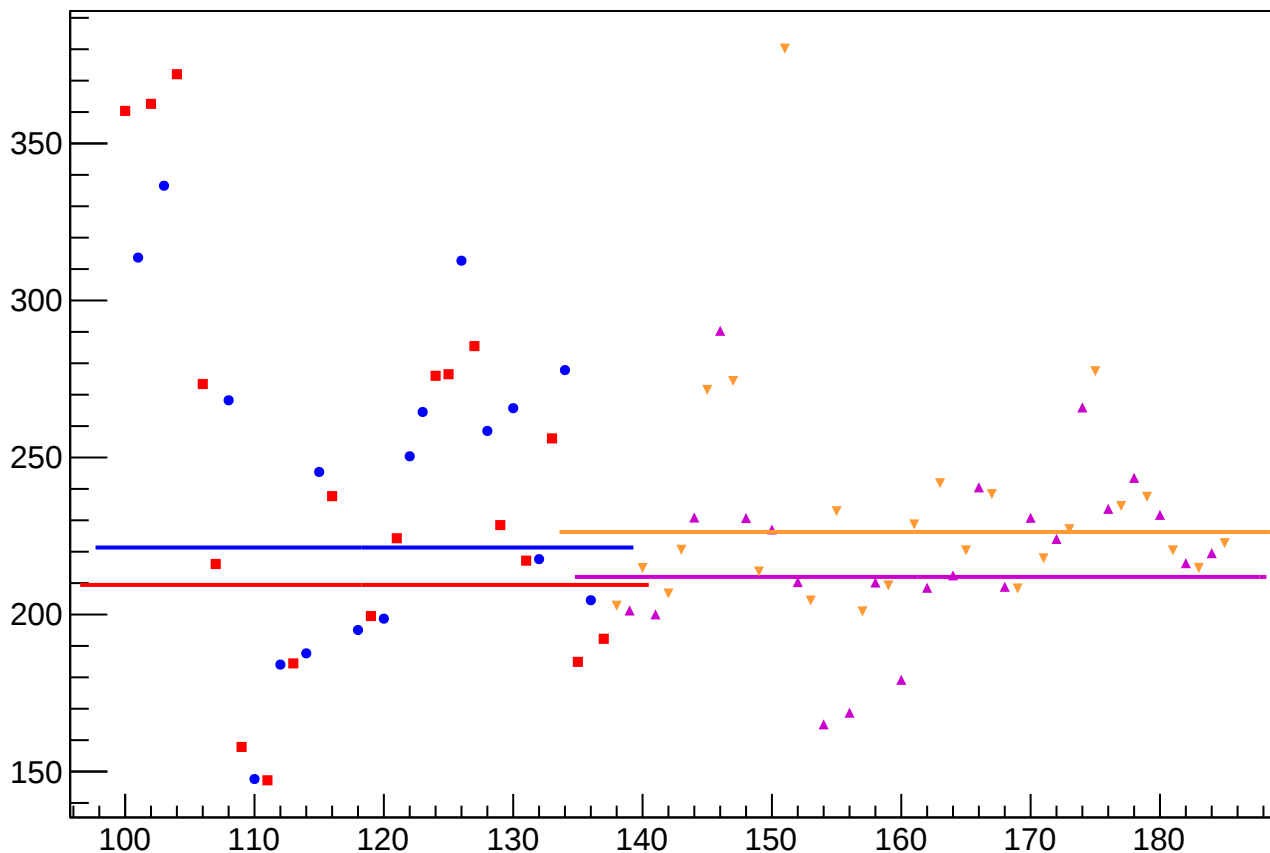
Left In: 374.122+/-52.049 χ^2/NDF :1801.0/22

+ sign 48.390+/-45.947 χ^2/NDF : 1687.7/41

All: 288.010+/-31.771 χ^2/NDF : 4002.0/83

- 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: 226.292 $\pm$ 0.038 χ^2 /NDF: 521295.3/24

Right Out: 209.428 $\pm$ 0.058 χ^2 /NDF: 879292.0/18

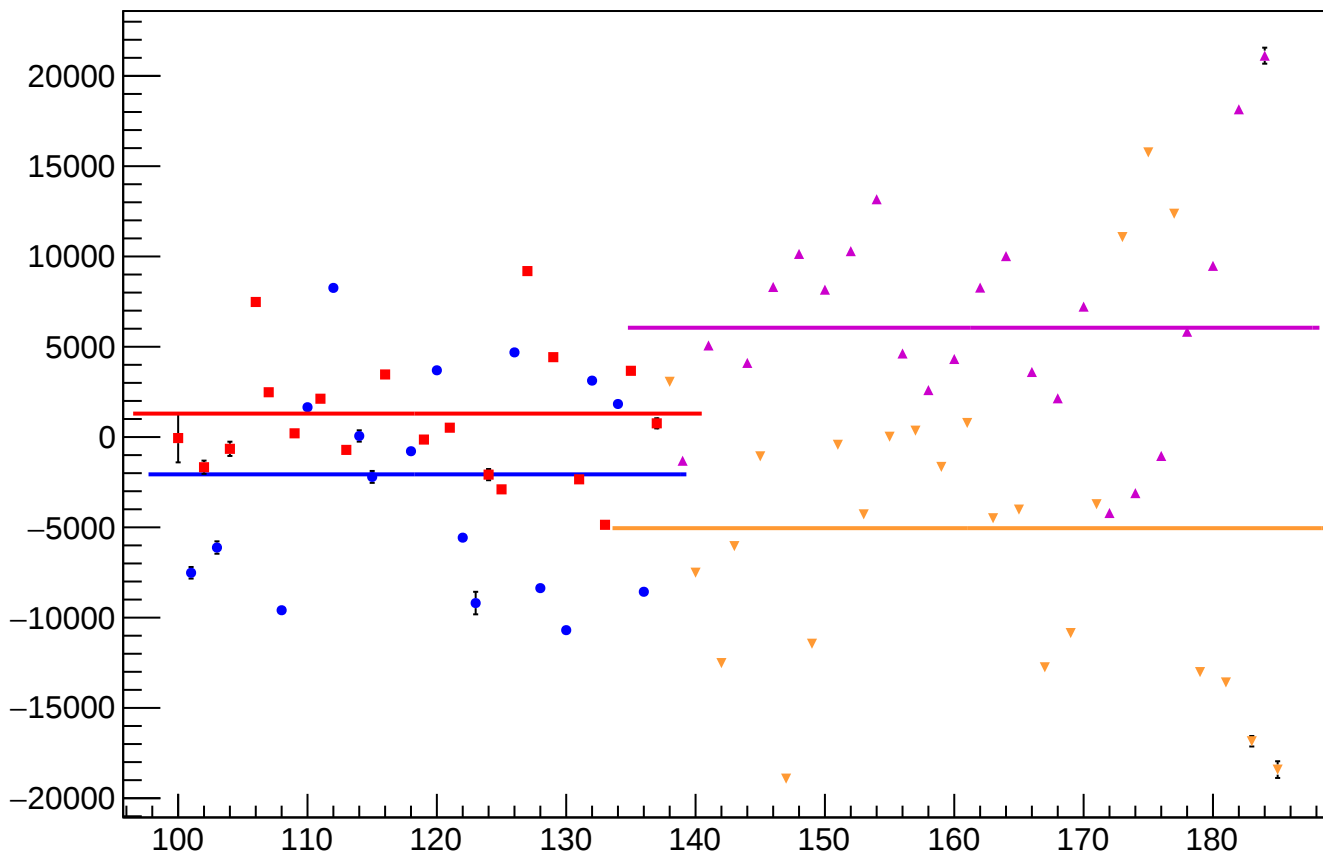
Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

+ sign 224.965 $\pm$ 0.032 χ^2 /NDF: 1171359.7/41

All: 217.804 $\pm$ 0.022 χ^2 /NDF: 2729459.3/83

- 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: -5045.946 ± 33.843 $\chi^2/\text{NDF}: 54291.2/24$

Right Out: 1298.632 ± 44.980 $\chi^2/\text{NDF}: 5909.5/18$

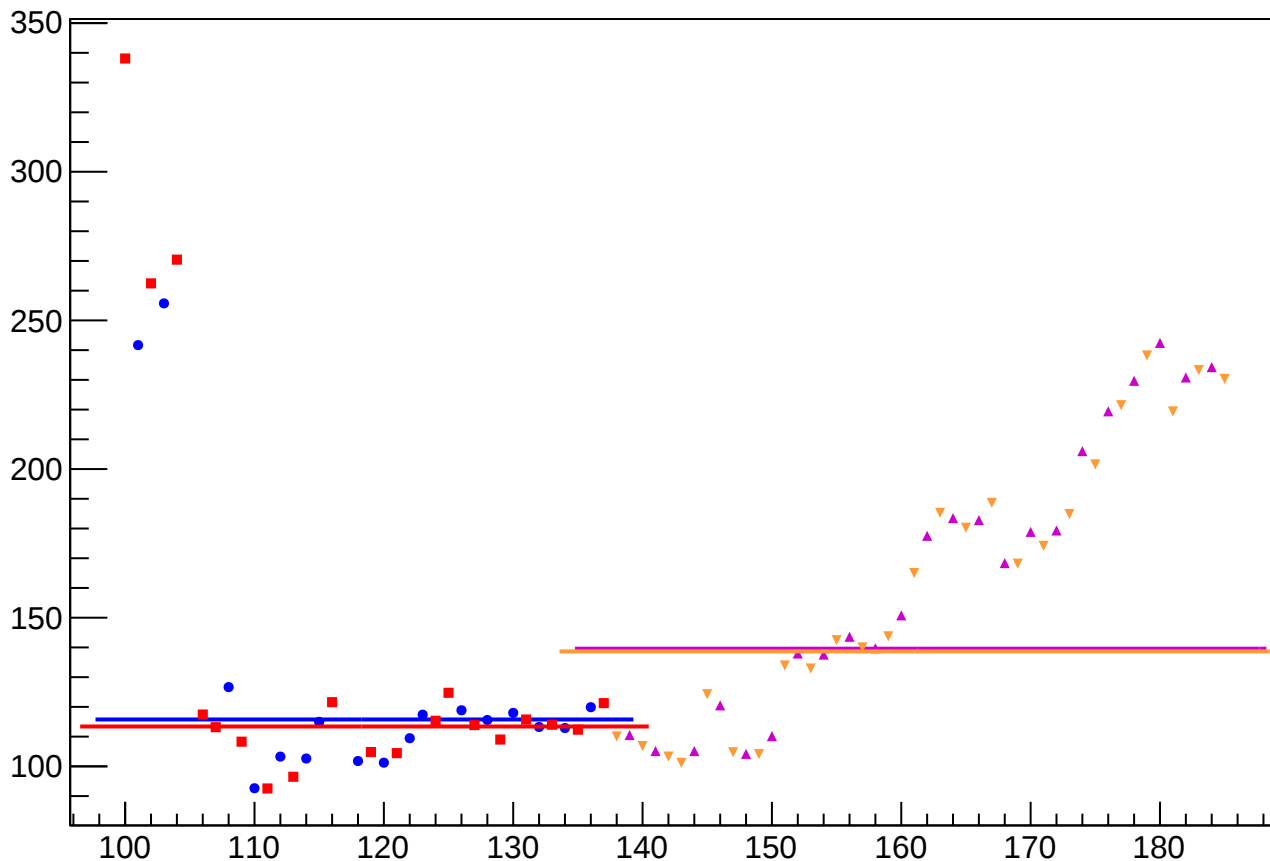
Left In: 6053.569 ± 34.998 $\chi^2/\text{NDF}: 17590.3/22$

+ sign -4039.797 ± 27.544 $\chi^2/\text{NDF}: 73445.1/41$

All: 98.691 ± 19.504 $\chi^2/\text{NDF}: 149181.6/83$

- 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: 138.660 $\pm$ 0.024 χ^2 /NDF: 2537609.9/24

Right Out: 113.410 $\pm$ 0.032 χ^2 /NDF: 795303.3/18

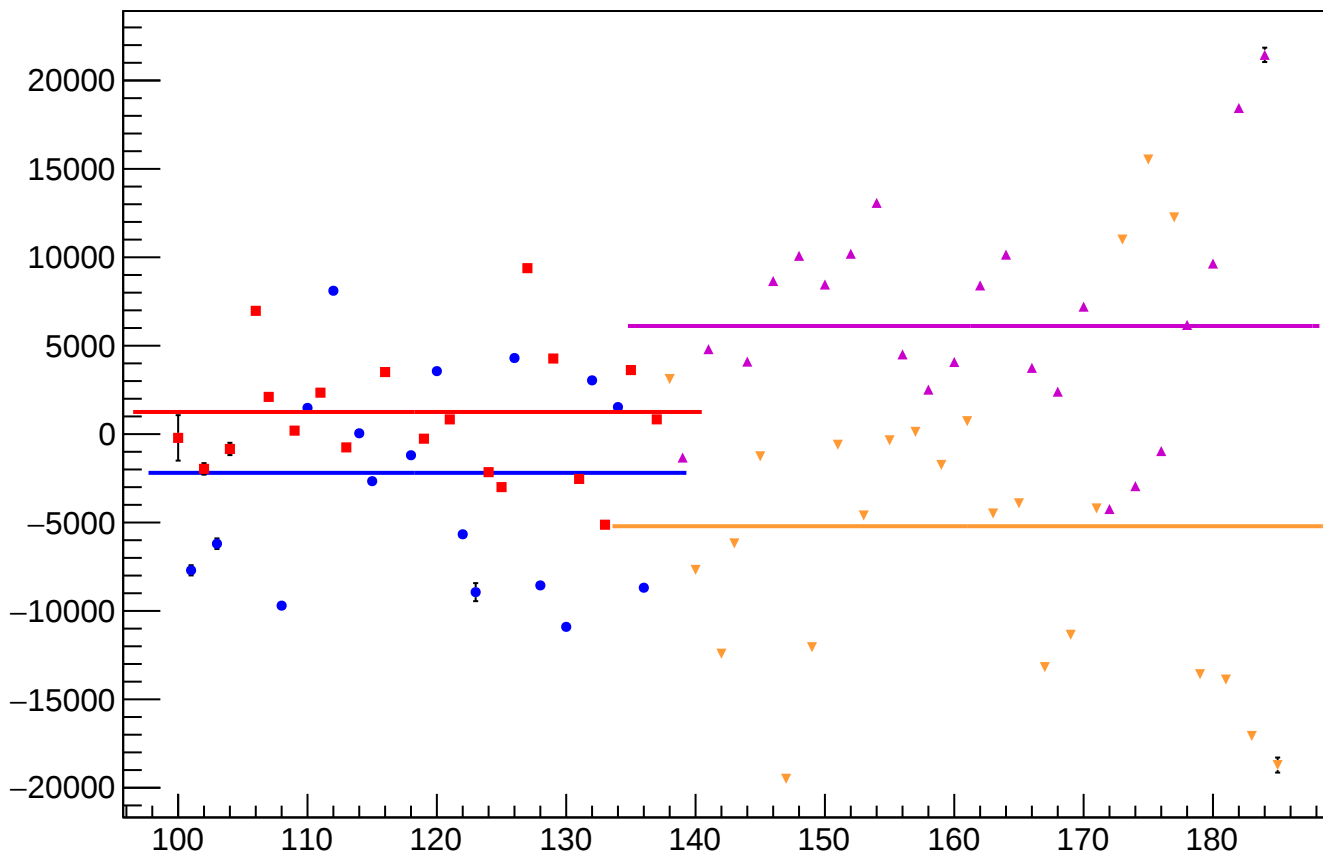
Left In: 139.578 $\pm$ 0.025 χ^2 /NDF: 2413658.9/22

+ sign 130.932 $\pm$ 0.019 χ^2 /NDF: 3590203.3/41

All: 130.323 $\pm$ 0.014 χ^2 /NDF: 7222757.0/83

- sign 129.710 $\pm$ 0.020 χ^2 /NDF: 3630590.1/41

asym_bpm1i04WS_mean vs Slug



Right In: -2190.242 ± 40.008 χ^2/NDF : 22811.0/16

Left Out: -5209.294 ± 30.743 χ^2/NDF : 64203.0/24

Right Out: 1252.225 ± 38.029 χ^2/NDF : 8581.9/18

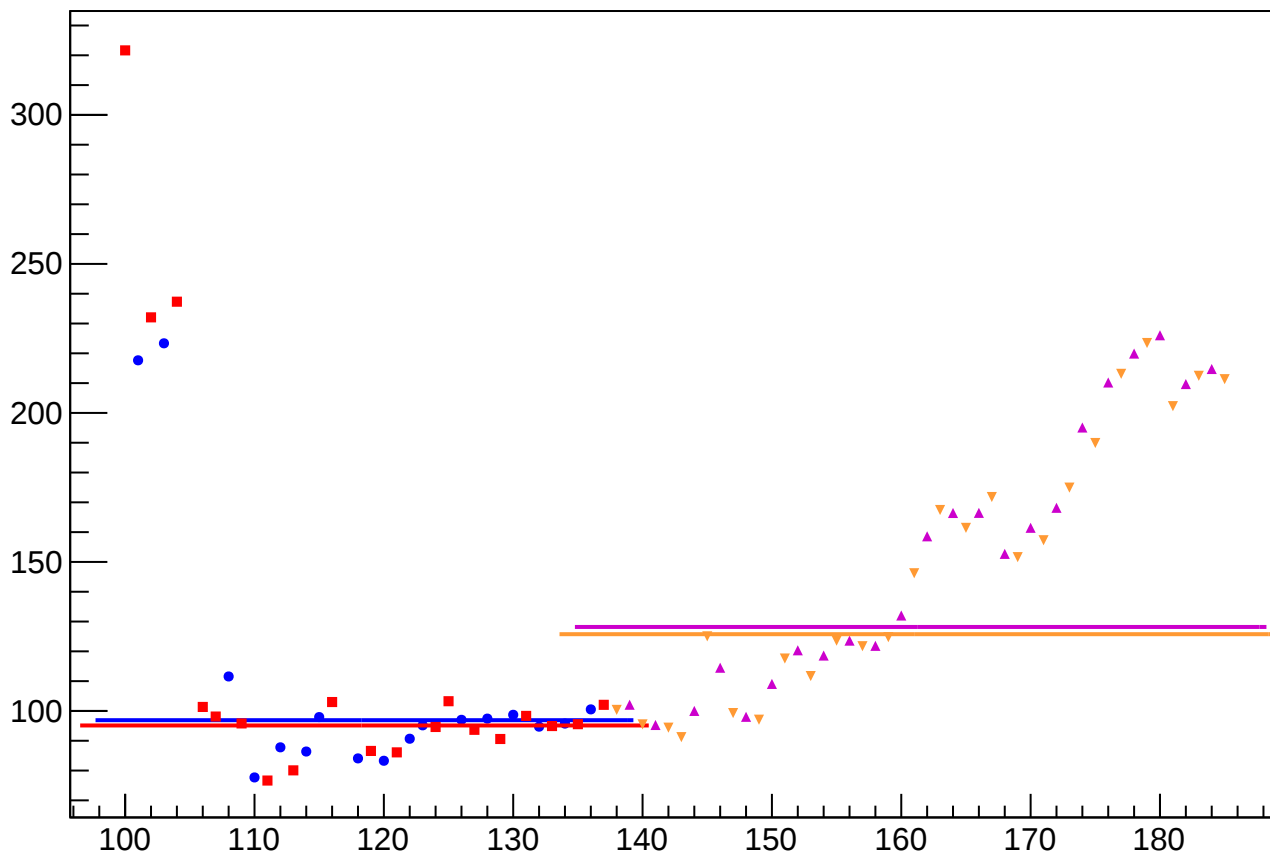
Left In: 6114.901 ± 32.126 χ^2/NDF : 21260.9/22

+ sign -4088.445 ± 24.377 χ^2/NDF : 90594.3/41

All: -26.632 ± 17.295 χ^2/NDF : 185877.6/83

- sign 4089.846 ± 24.541 χ^2/NDF : 39384.1/41

asym_bpm1i04WS_rms vs Slug



Right In: 96.898 $\pm$ 0.028 χ^2 /NDF: 817255.1/16

Left Out: 125.756 $\pm$ 0.022 χ^2 /NDF: 2586722.5/24

Right Out: 95.130 $\pm$ 0.027 χ^2 /NDF: 858457.3/18

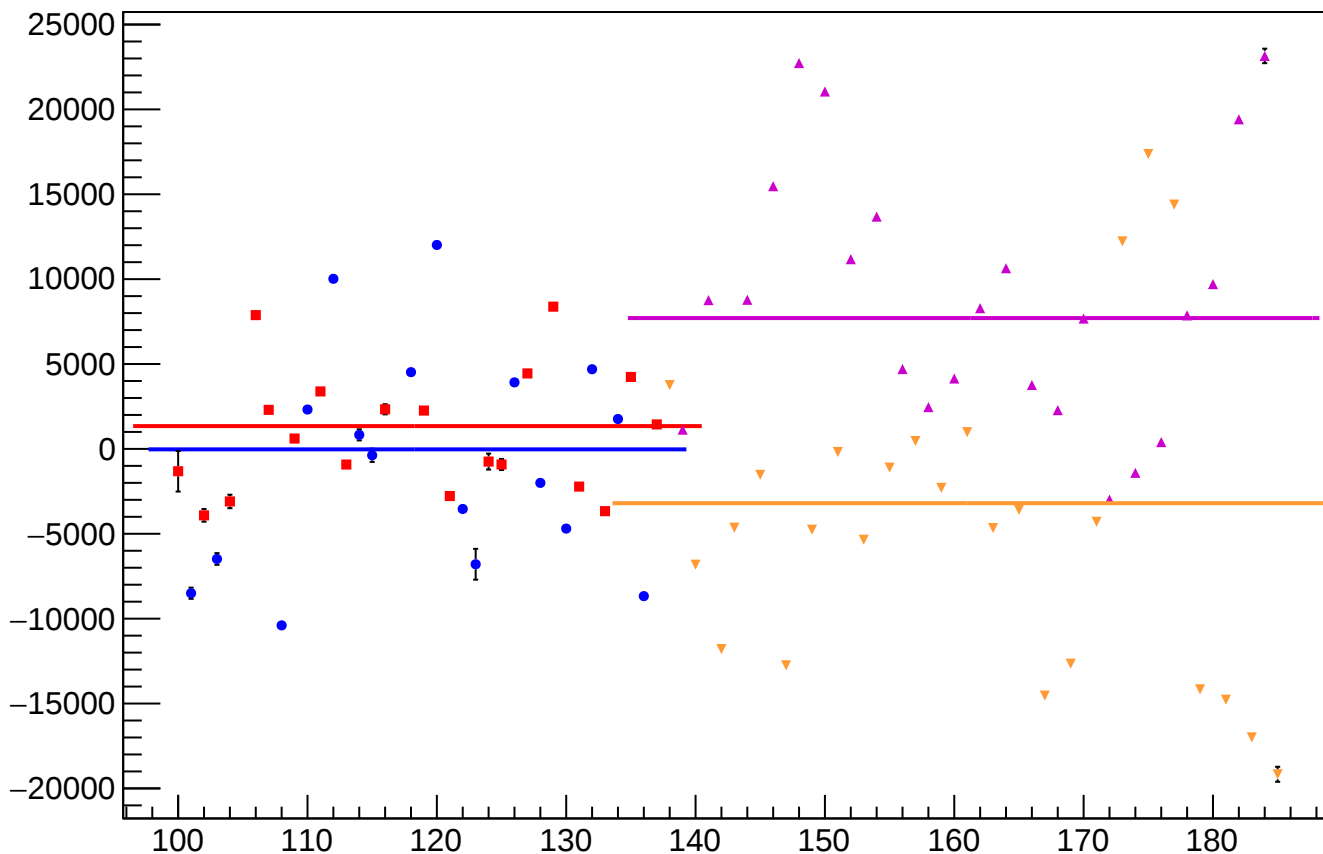
Left In: 128.184 $\pm$ 0.023 χ^2 /NDF: 2332977.5/22

+ sign 115.043 $\pm$ 0.017 χ^2 /NDF: 4058209.8/41

All: 114.733 $\pm$ 0.012 χ^2 /NDF: 8132024.4/83

- 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: -3198.528+/-40.694 χ^2/NDF :36659.8/24

Right Out: 1343.122+/-52.343 χ^2/NDF : 3846.7/18

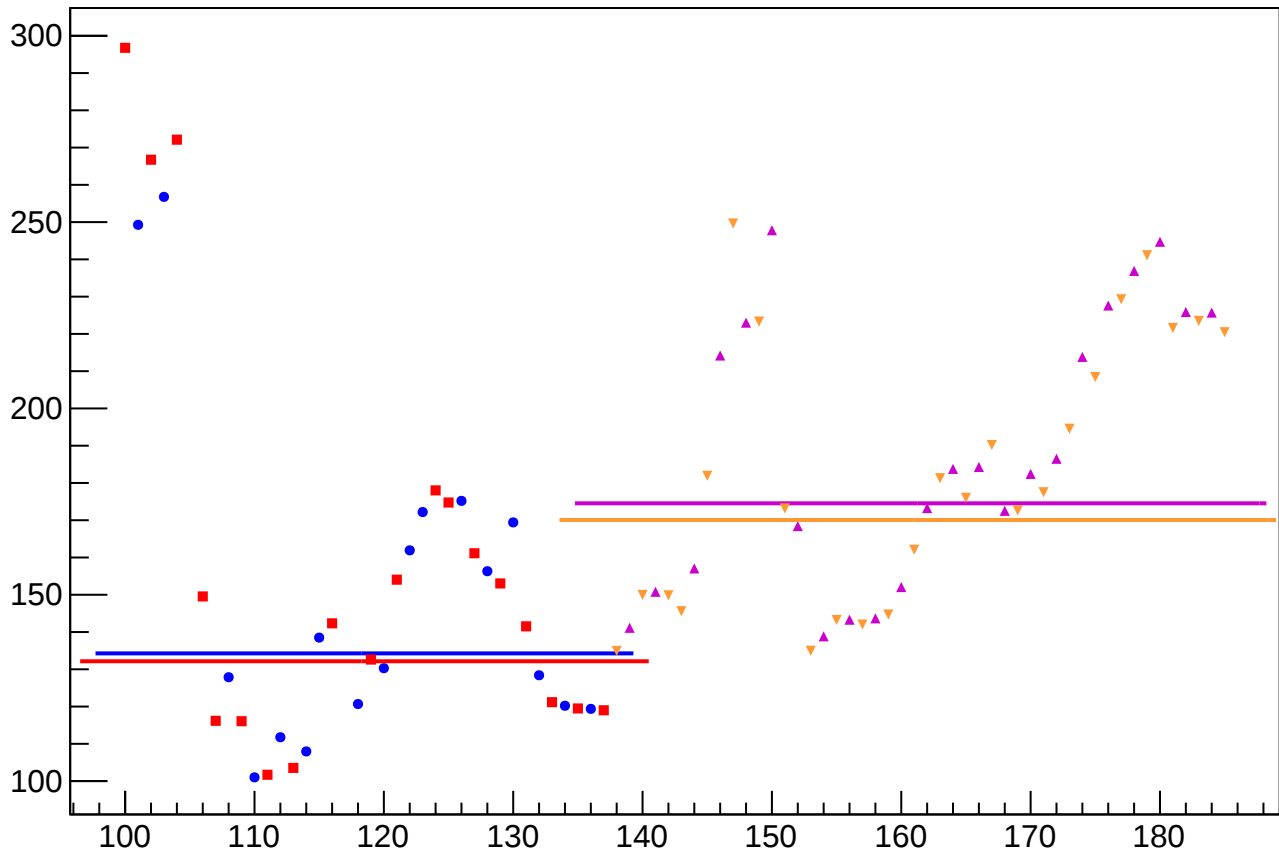
Left In: 7707.068+/-42.990 χ^2/NDF :21268.3/22

+ sign -2069.594+/-32.657 χ^2/NDF : 55186.2/41

All: 1475.147+/-23.289 χ^2/NDF : 113103.7/83

- 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: 170.061 $\pm$ 0.029 χ^2 /NDF:1243151.6/24

Right Out: 132.155 $\pm$ 0.037 χ^2 /NDF: 865020.1/18

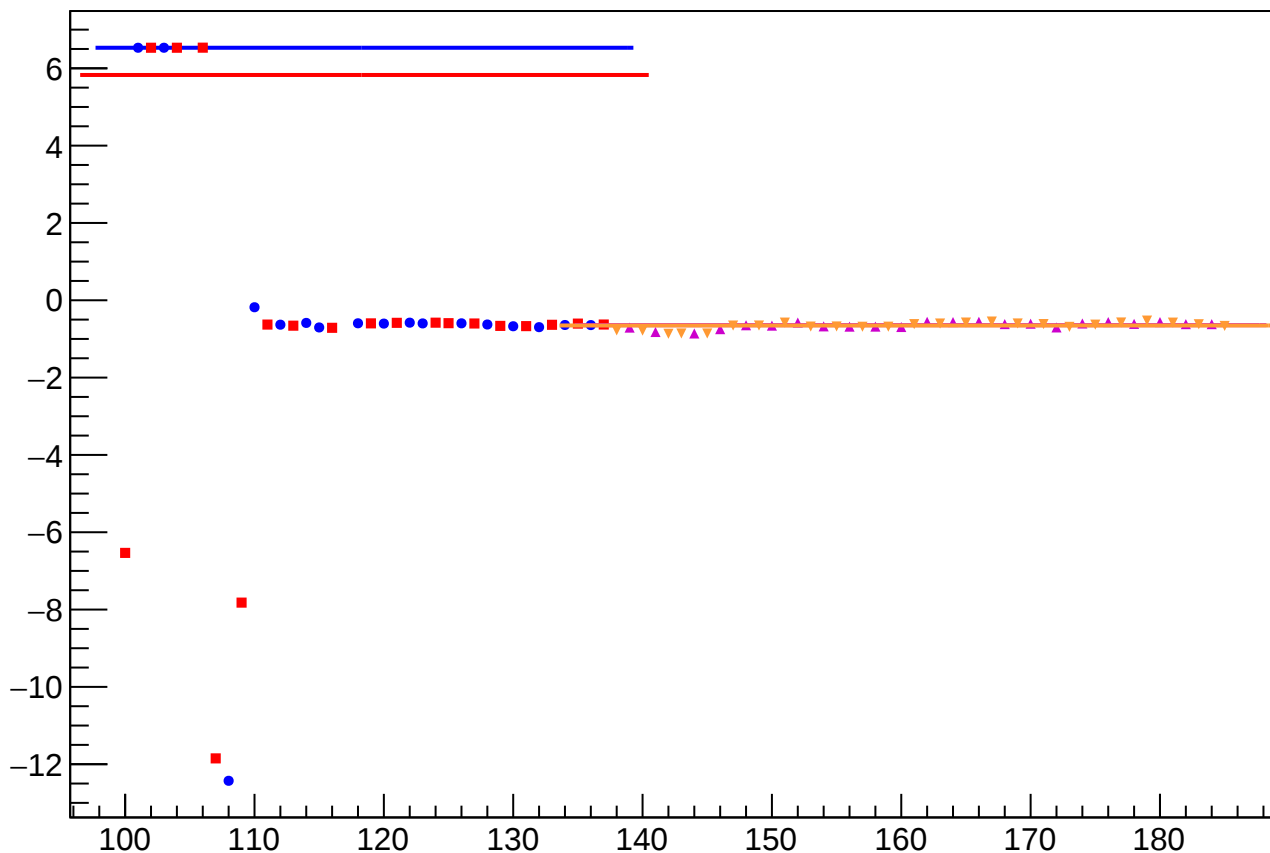
Left In: 174.539 $\pm$ 0.030 χ^2 /NDF:1210071.2/22

+ sign 157.319 $\pm$ 0.023 χ^2 /NDF: 2581013.9/41

All: 157.391 $\pm$ 0.016 χ^2 /NDF: 5439245.3/83

- sign 157.466 $\pm$ 0.023 χ^2 /NDF: 2858211.6/41

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127565119308.7/16

Left Out: -0.652 $\pm$ 0.000 χ^2 /NDF: 171281946.0/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755947318870738.2/18

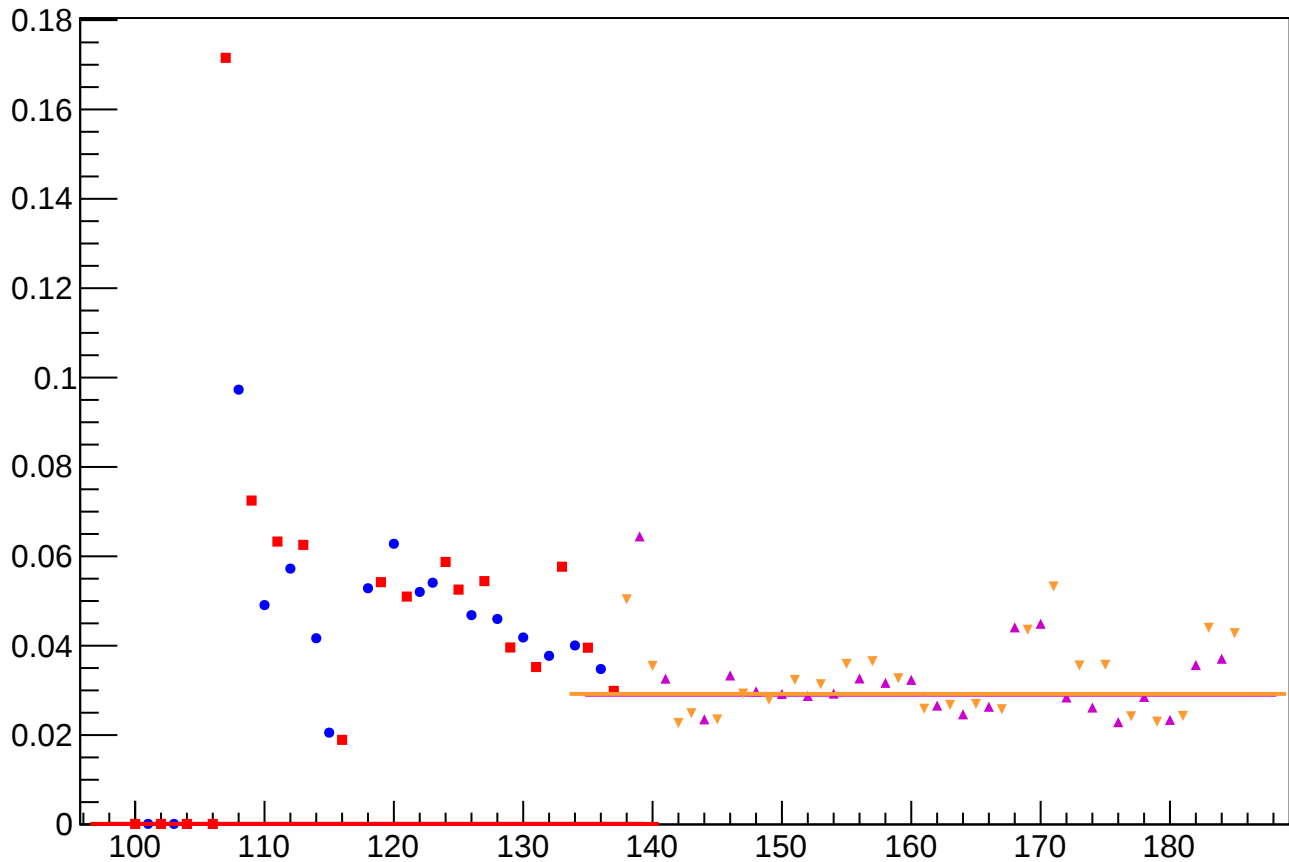
Left In: -0.644 $\pm$ 0.000 χ^2 /NDF: 122913584.0/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 988968609726.2/41

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77759242760252

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756618663501689.9/18

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9008104.3/16

Left Out: 0.029+/-0.000 χ^2/NDF :1466501.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9347467.6/18

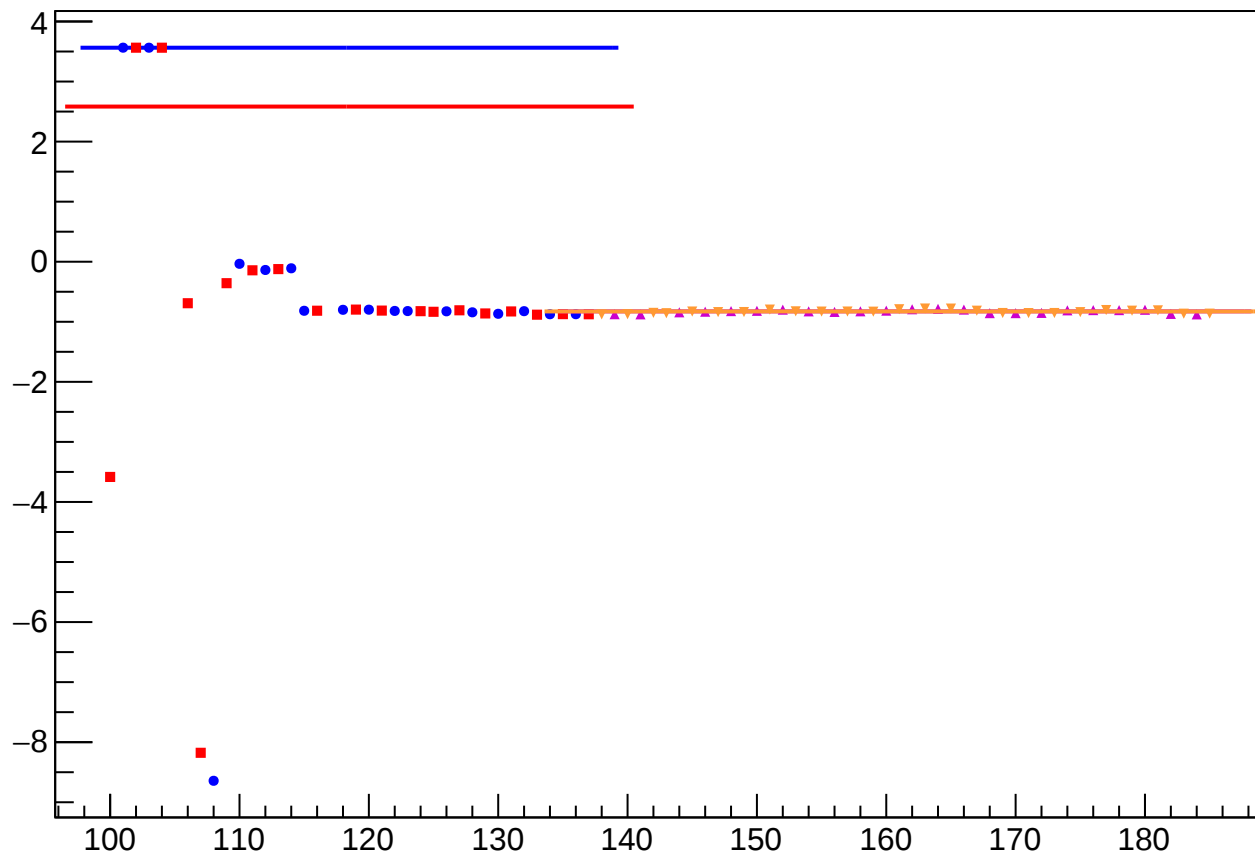
Left In: 0.029+/-0.000 χ^2/NDF :1164030.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 38719271.2/41

All: 0.000+/-0.000 χ^2/NDF : 76033119.8/83

- 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: -0.828+/-0.000 χ^2/NDF : 167823999.9/24

Right Out: 2.583+/-0.000 χ^2/NDF : 1253504623679499.2/18

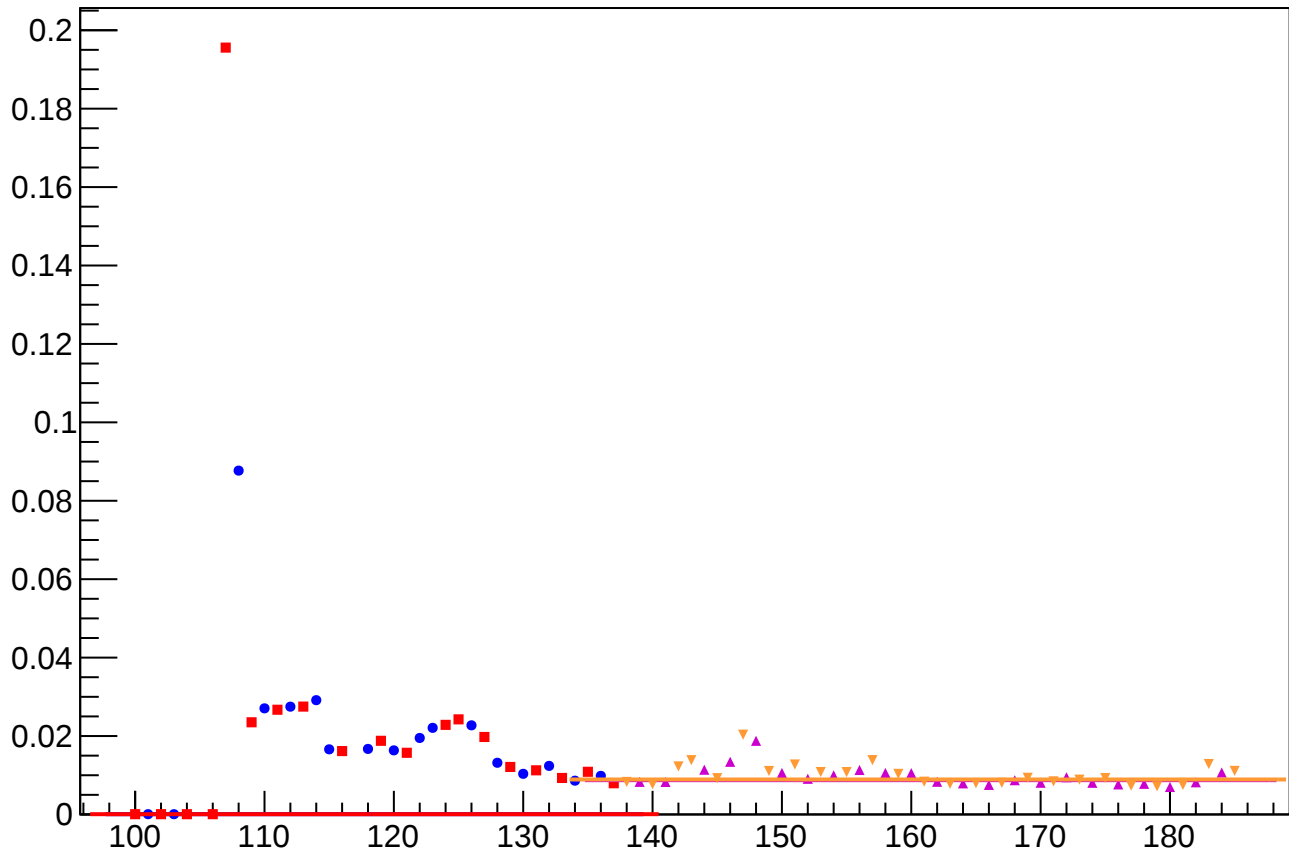
Left In: -0.827+/-0.000 χ^2/NDF : 172640246.1/22

+ sign 3.560+/-0.000 χ^2/NDF : 4156222984779.1/41

All: 3.038+/-0.000 χ^2/NDF : 13879387935762

- sign 2.581+/-0.000 χ^2/NDF : 1255704677159627.0

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 : 1451279.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9837255.2/18

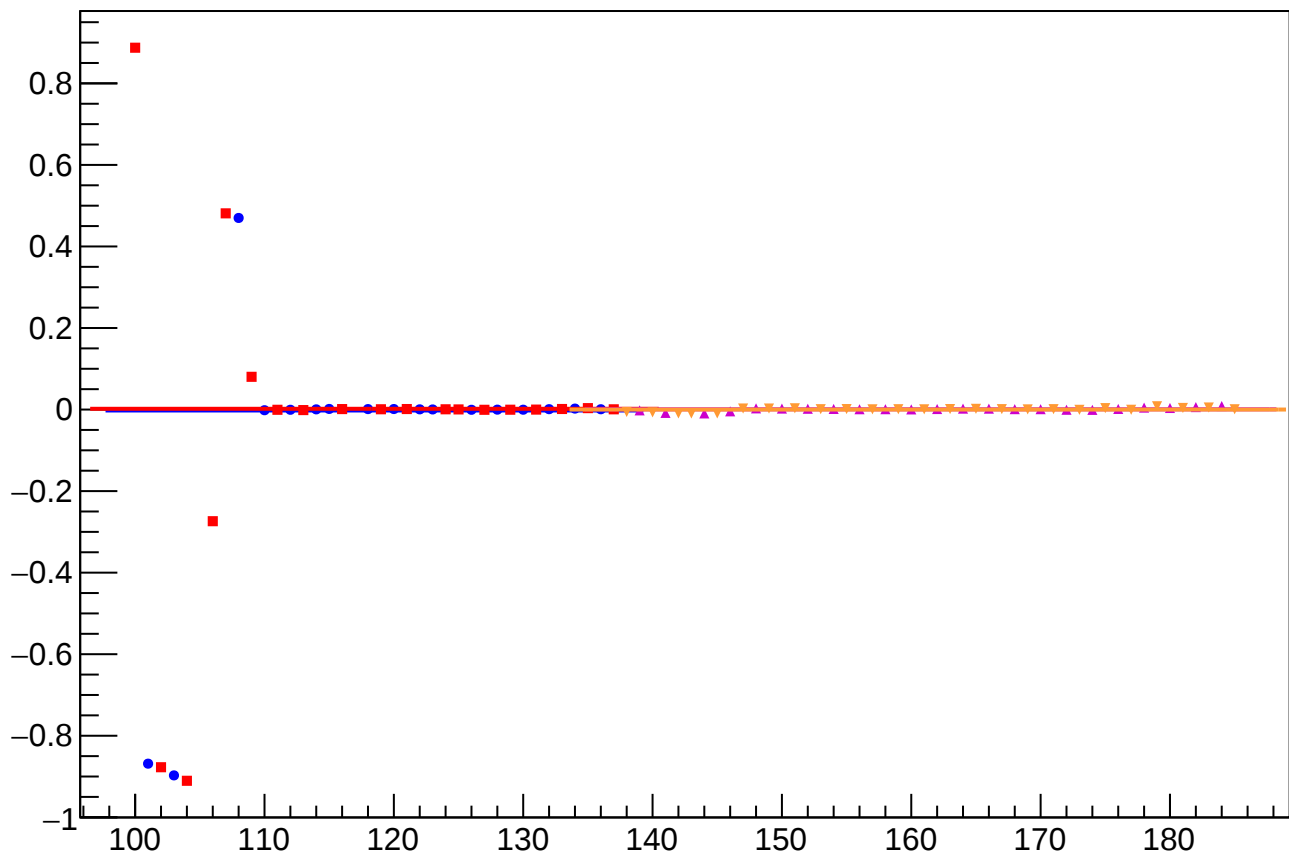
Left In: 0.009+/-0.000 χ^2/NDF : 1041524.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 41085491.4/41

All: 0.000+/-0.000 χ^2/NDF : 80469455.3/83

- 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 : 144561604.7/24

Right Out: 0.002 ± 0.000 χ^2/NDF : 3041330797.2/18

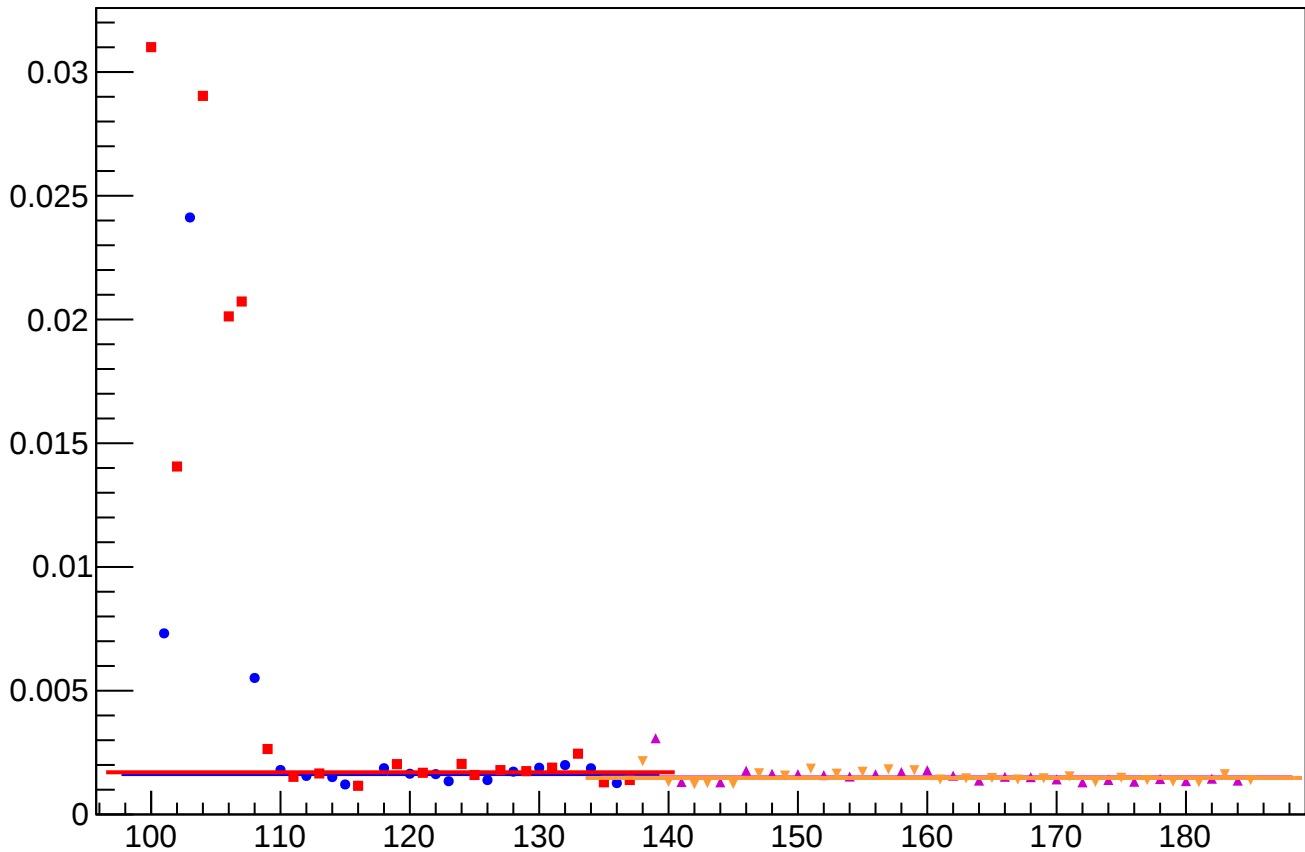
Left In: 0.001 ± 0.000 χ^2/NDF : 101439617.3/22

+ sign -0.000 ± 0.000 χ^2/NDF : 9947150778.5/41

All: 0.000 ± 0.000 χ^2/NDF : 13098614631.0/8

- 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:520459.8/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3024458.4/18

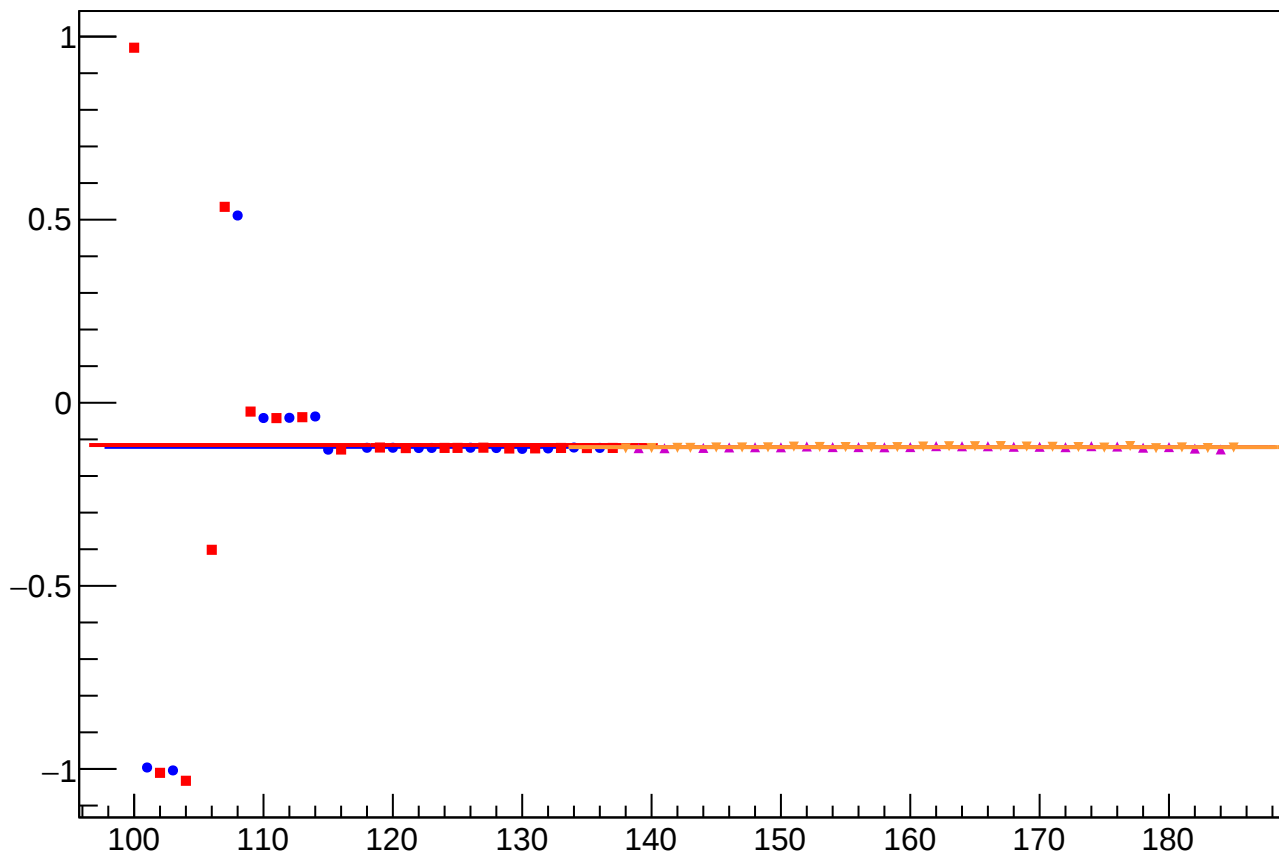
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:626044.8/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2509119.8/41

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6273861.4/83

- 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 : 57564176.5/24

Right Out: -0.115+/-0.000 χ^2/NDF : 2456433698.5/18

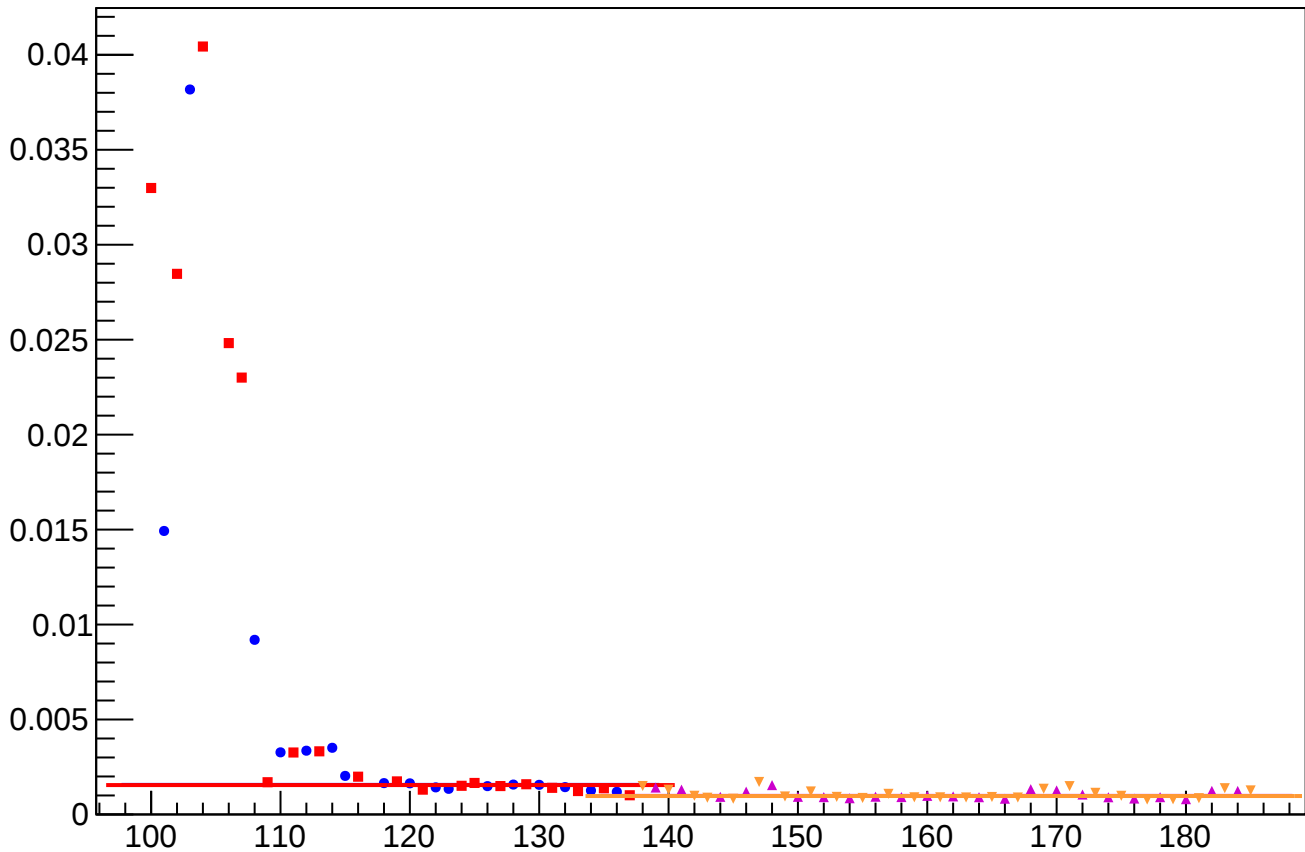
Left In: -0.121+/-0.000 χ^2/NDF : 52113932.9/22

+ sign -0.121+/-0.000 χ^2/NDF : 3991249145.1/41

All: -0.121+/-0.000 χ^2/NDF : 6555408183.7/8

- 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:1369283.3/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3535649.7/18

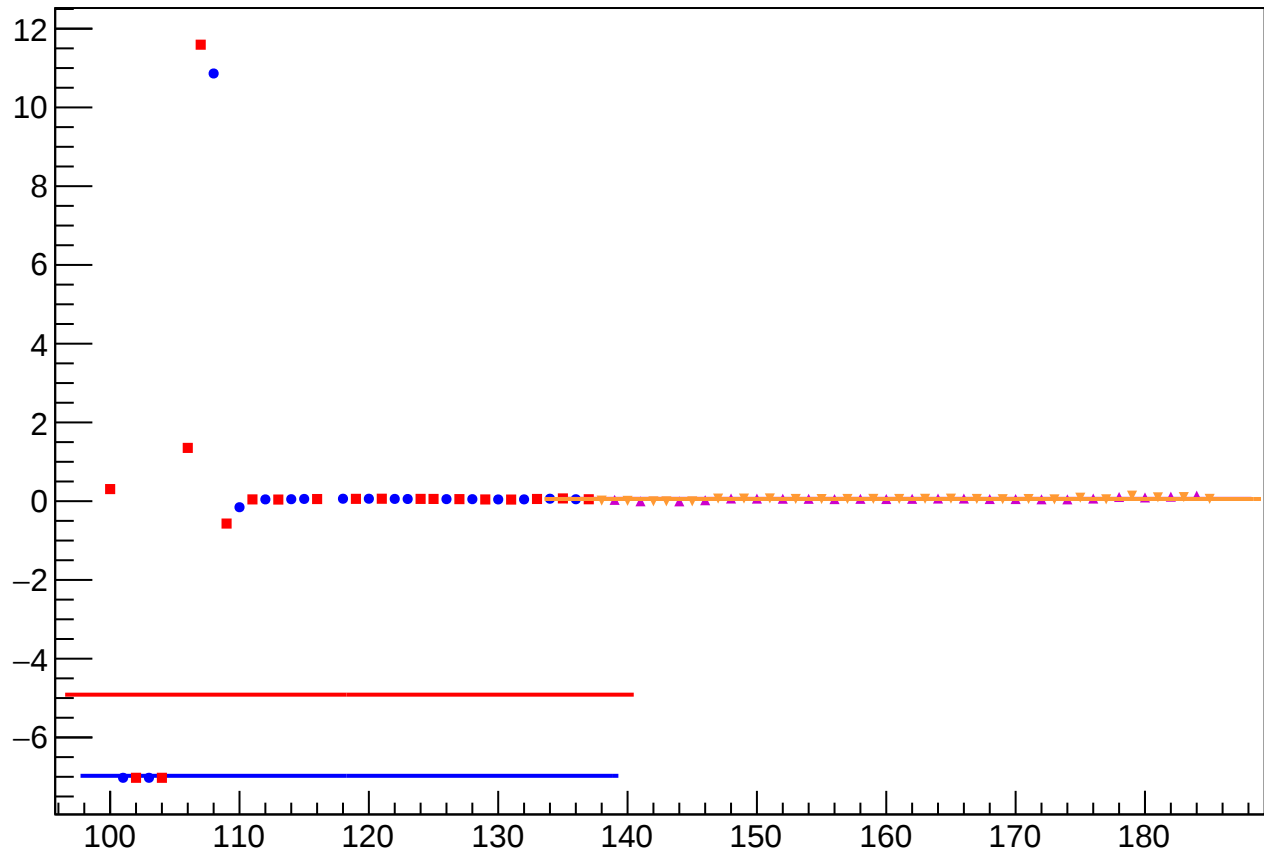
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:970801.8/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5443453.7/41

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 11056182.7/83

- 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 : 235630729.0/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365352656389636.4/18

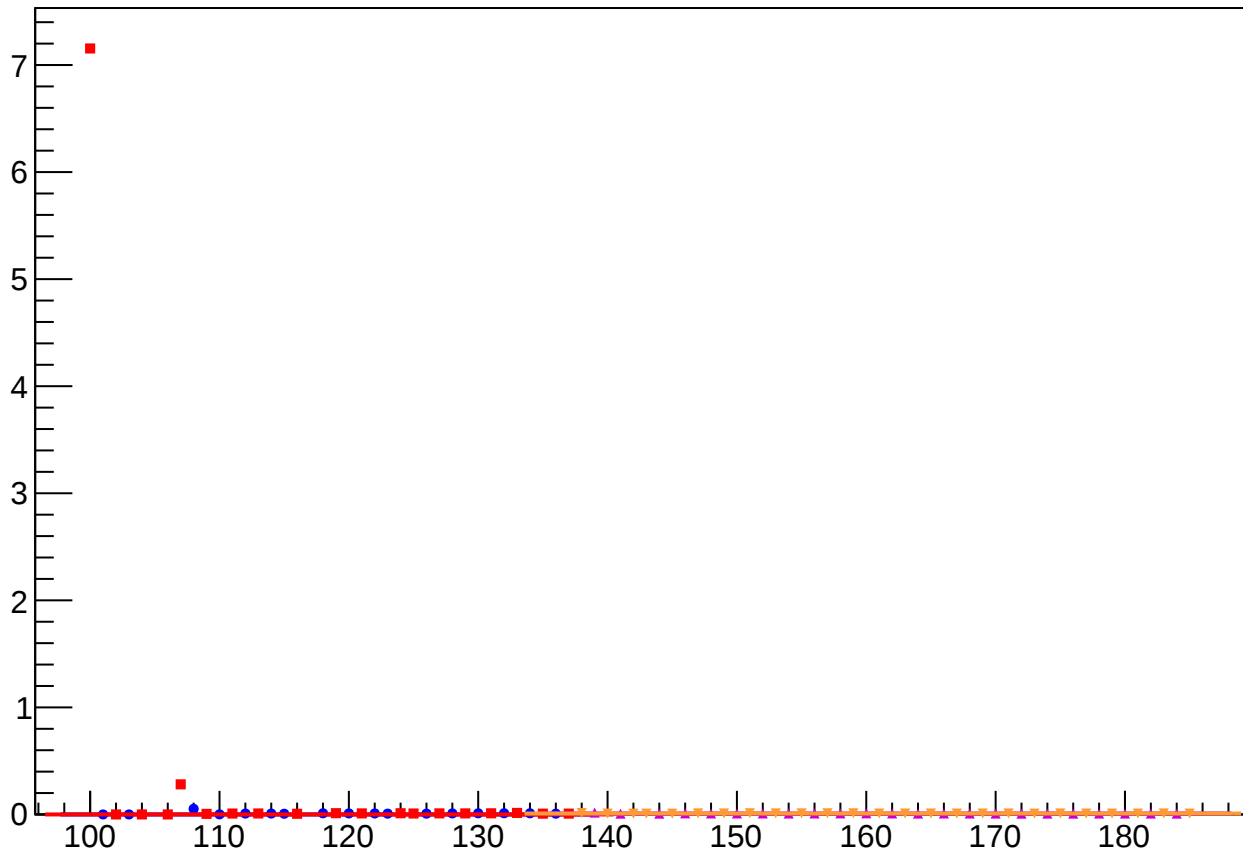
Left In: 0.059 ± 0.000 χ^2/NDF : 178541521.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18323742942100.6/16

All: -5.858 ± 0.000 χ^2/NDF : 4434569889975.0/16

- 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 : 492391.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 8775433.1/18

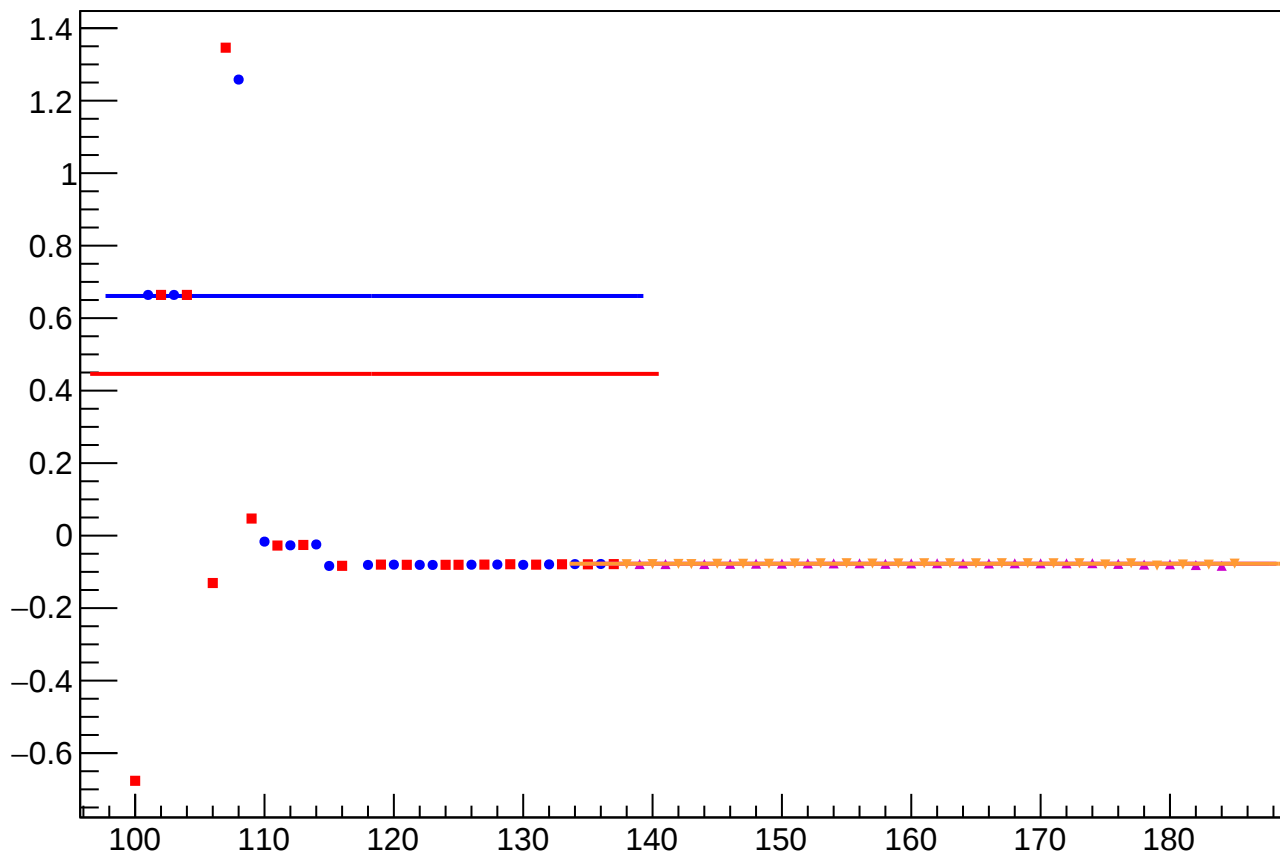
Left In: 0.009+/-0.000 χ^2/NDF : 602517.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 37109867.5/41

All: 0.000+/-0.000 χ^2/NDF : 73346753.1/83

- 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 : 156029539.0/24

Right Out: 0.446+/-0.000 χ^2/NDF : 405428422570886.0/18

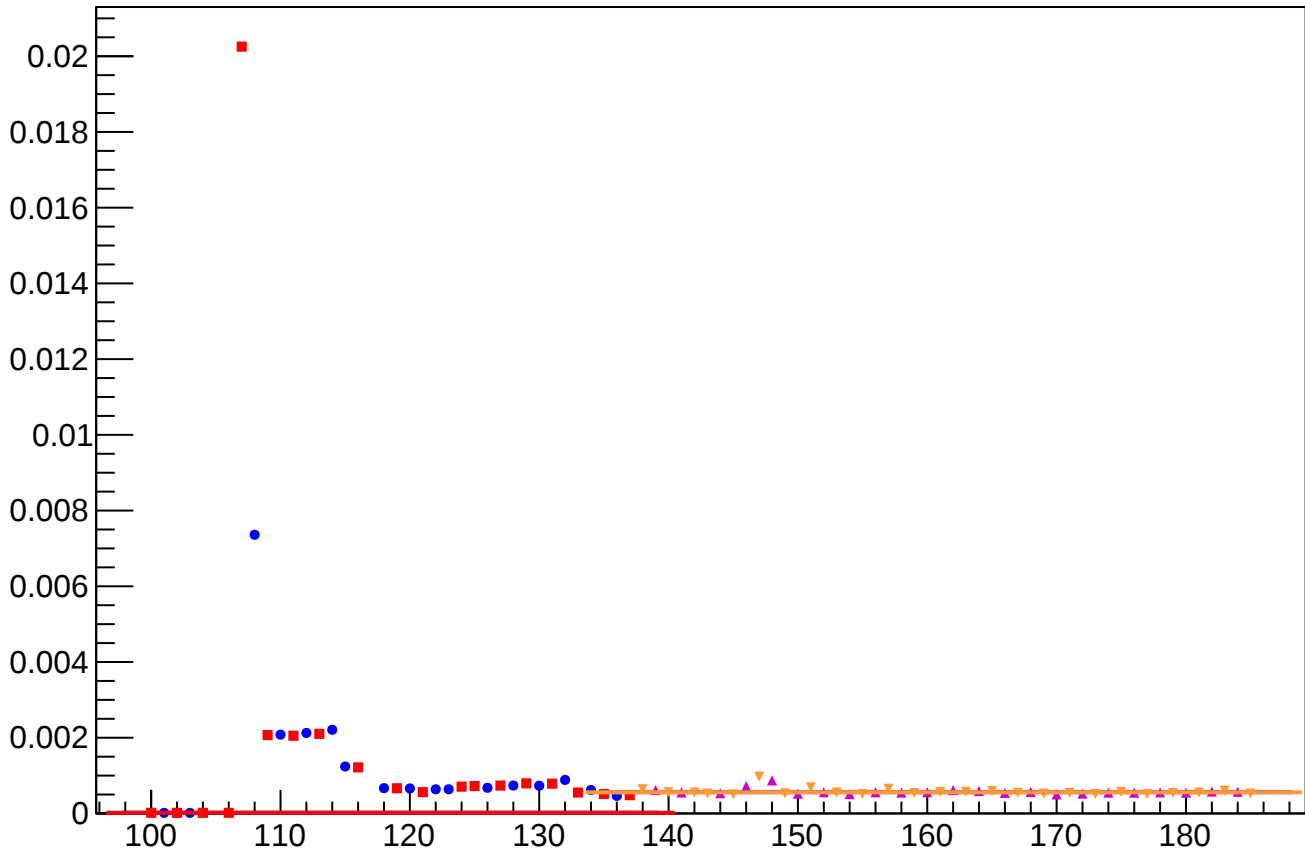
Left In: -0.077+/-0.000 χ^2/NDF : 110762924.1/22

+ sign 0.646+/-0.000 χ^2/NDF : 35550232074258.8/4

All: 0.537+/-0.000 χ^2/NDF : 5156952833655

- sign 0.437+/-0.000 χ^2/NDF : 419550481435111.4/4

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9958320.7/16

Left Out: 0.001+/-0.000 χ^2/NDF : 465711.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9460895.3/18

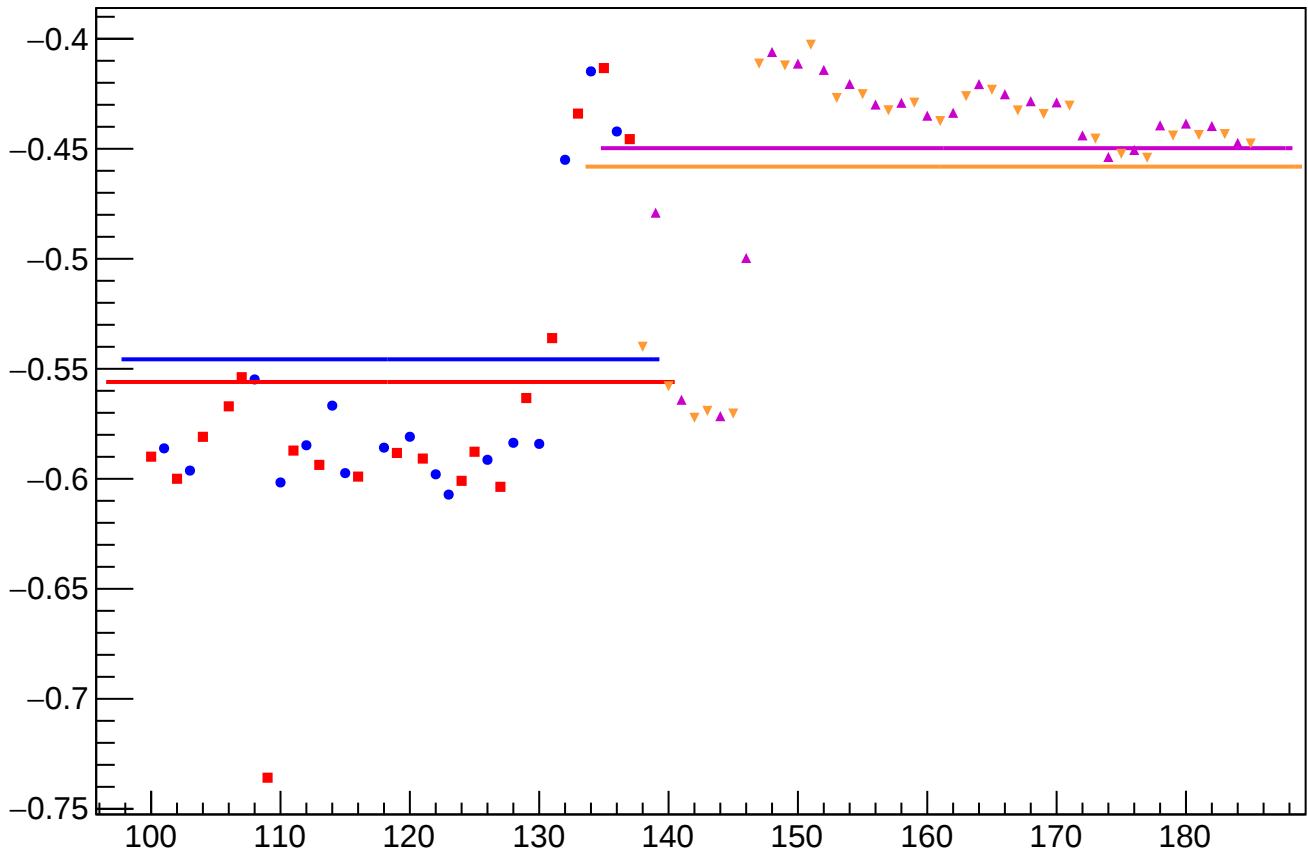
Left In: 0.001+/-0.000 χ^2/NDF : 355509.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 42317980.6/41

All: 0.000+/-0.000 χ^2/NDF : 82579520.7/83

- sign 0.000+/-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 : 108139741.9/24

Right Out: -0.556+/-0.000 χ^2/NDF : 64058429.8/18

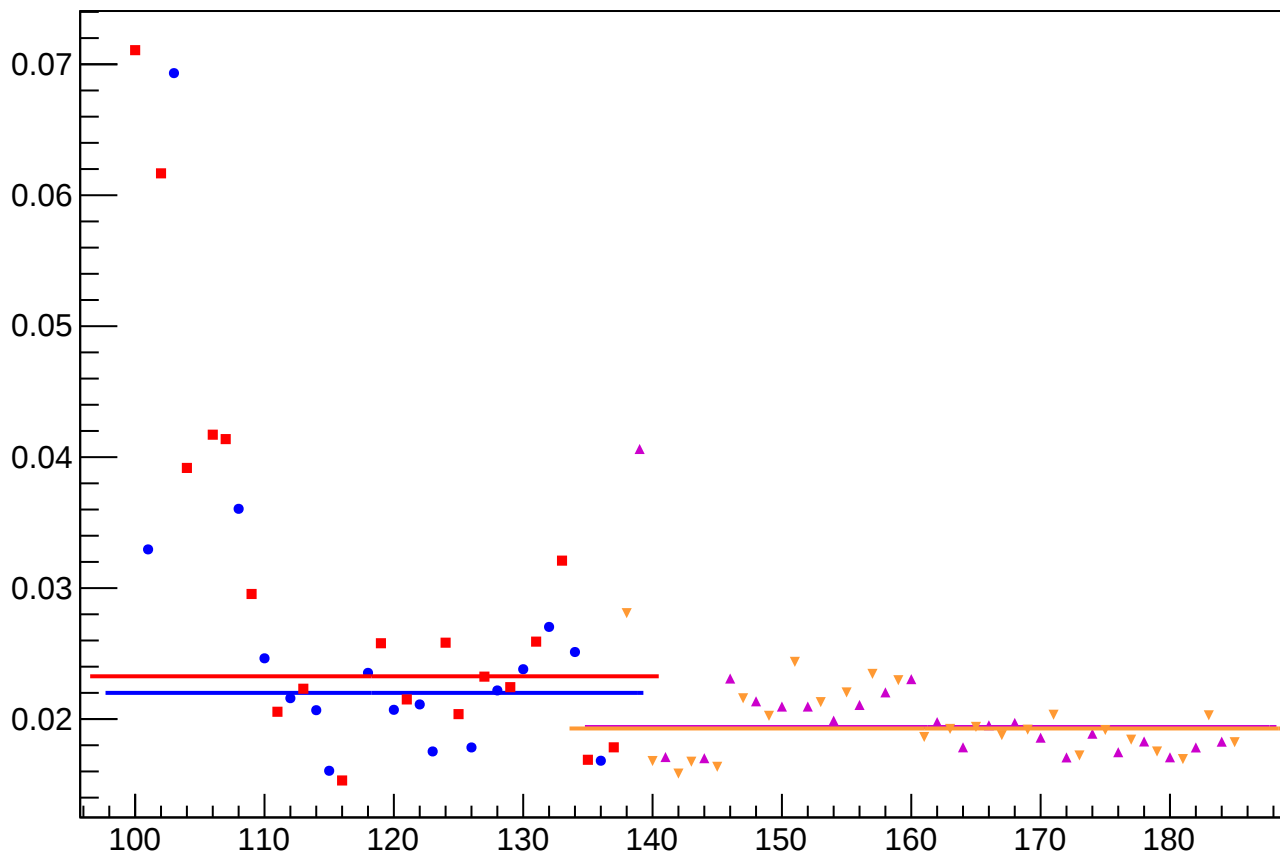
Left In: -0.450+/-0.000 χ^2/NDF : 76117957.8/22

+ sign -0.476+/-0.000 χ^2/NDF : 218333935.6/41

All: -0.474+/-0.000 χ^2/NDF : 446743374.6/83

- sign -0.472+/-0.000 χ^2/NDF : 227922689.1/41

yield_bpm4aX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 959677.4/16

Left Out: 0.019+/-0.000 χ^2/NDF : 479700.2/24

Right Out: 0.023+/-0.000 χ^2/NDF : 1155060.8/18

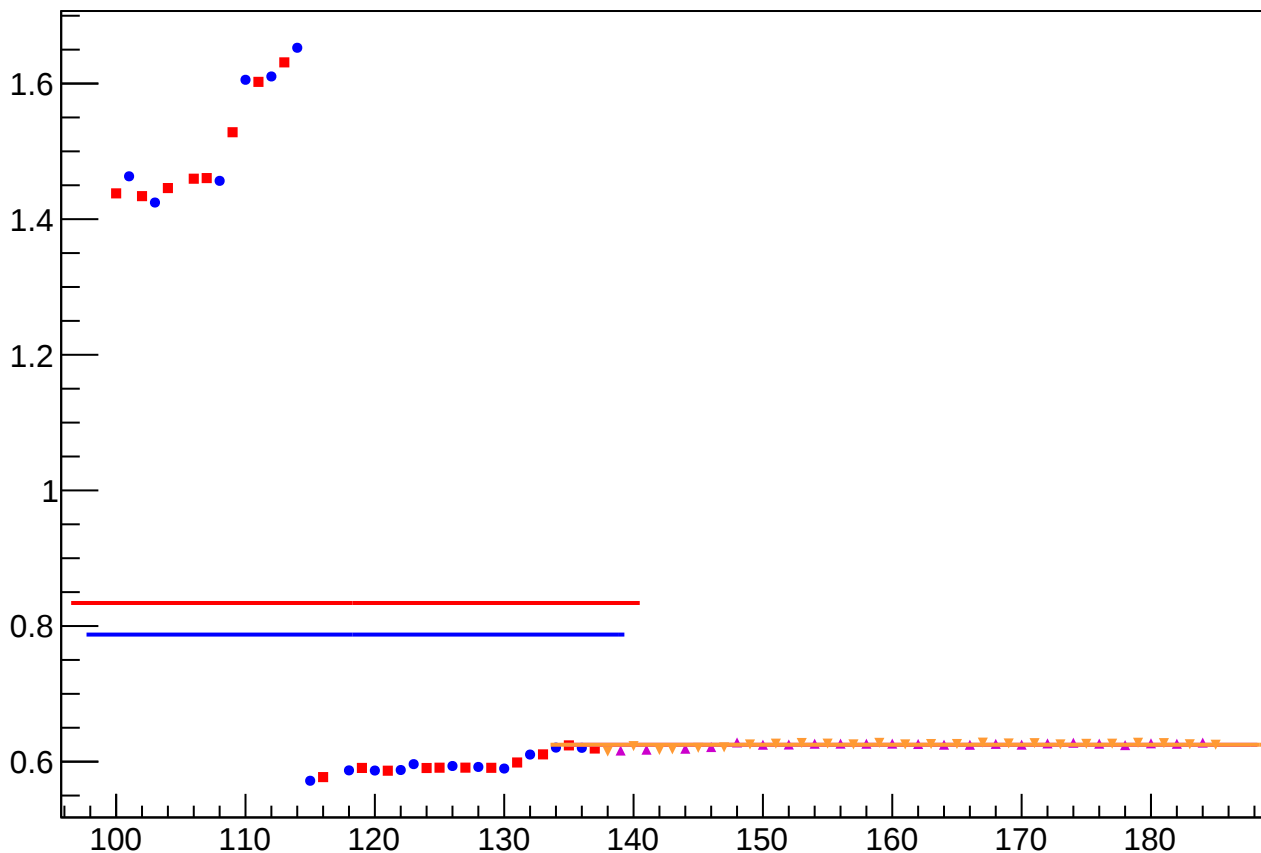
Left In: 0.019+/-0.000 χ^2/NDF : 626443.5/22

+ sign 0.020+/-0.000 χ^2/NDF : 1562487.0/41

All: 0.020+/-0.000 χ^2/NDF : 3583025.3/83

- sign 0.020+/-0.000 χ^2/NDF : 2014432.2/41

yield_bpm4aY_mean vs Slug



Right In: 0.787 $\pm$ 0.000 χ^2/NDF : 3581416919.1/16

Left Out: 0.625 $\pm$ 0.000 χ^2/NDF : 1387234.7/24

Right Out: 0.834 $\pm$ 0.000 χ^2/NDF : 4150651936.4/18

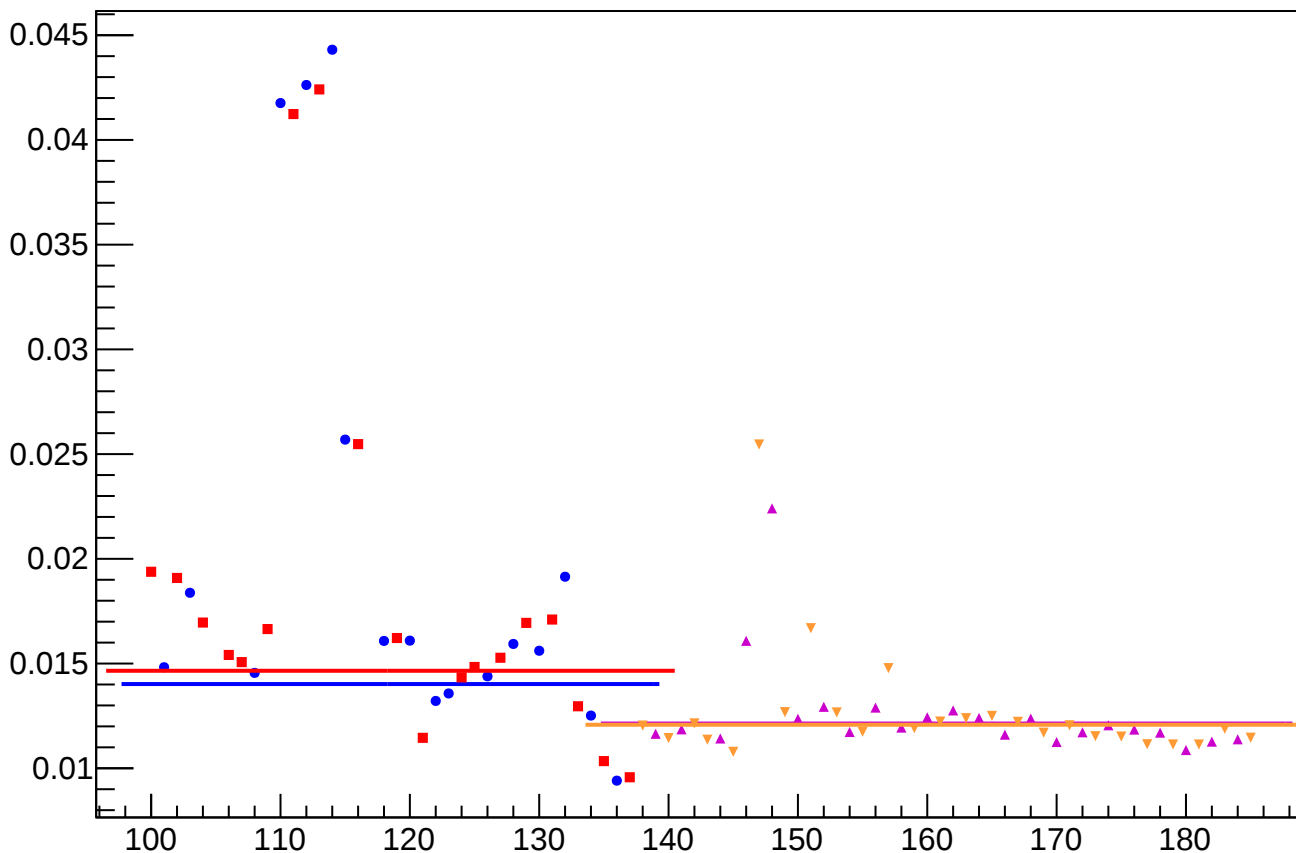
Left In: 0.625 $\pm$ 0.000 χ^2/NDF : 1143954.1/22

+ sign 0.656 $\pm$ 0.000 χ^2/NDF : 4195641391.6/41

All: 0.661 $\pm$ 0.000 χ^2/NDF : 9333916411.8/83

- sign 0.666 $\pm$ 0.000 χ^2/NDF : 5131336079.9/41

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: 656062.6/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1262071.4/18

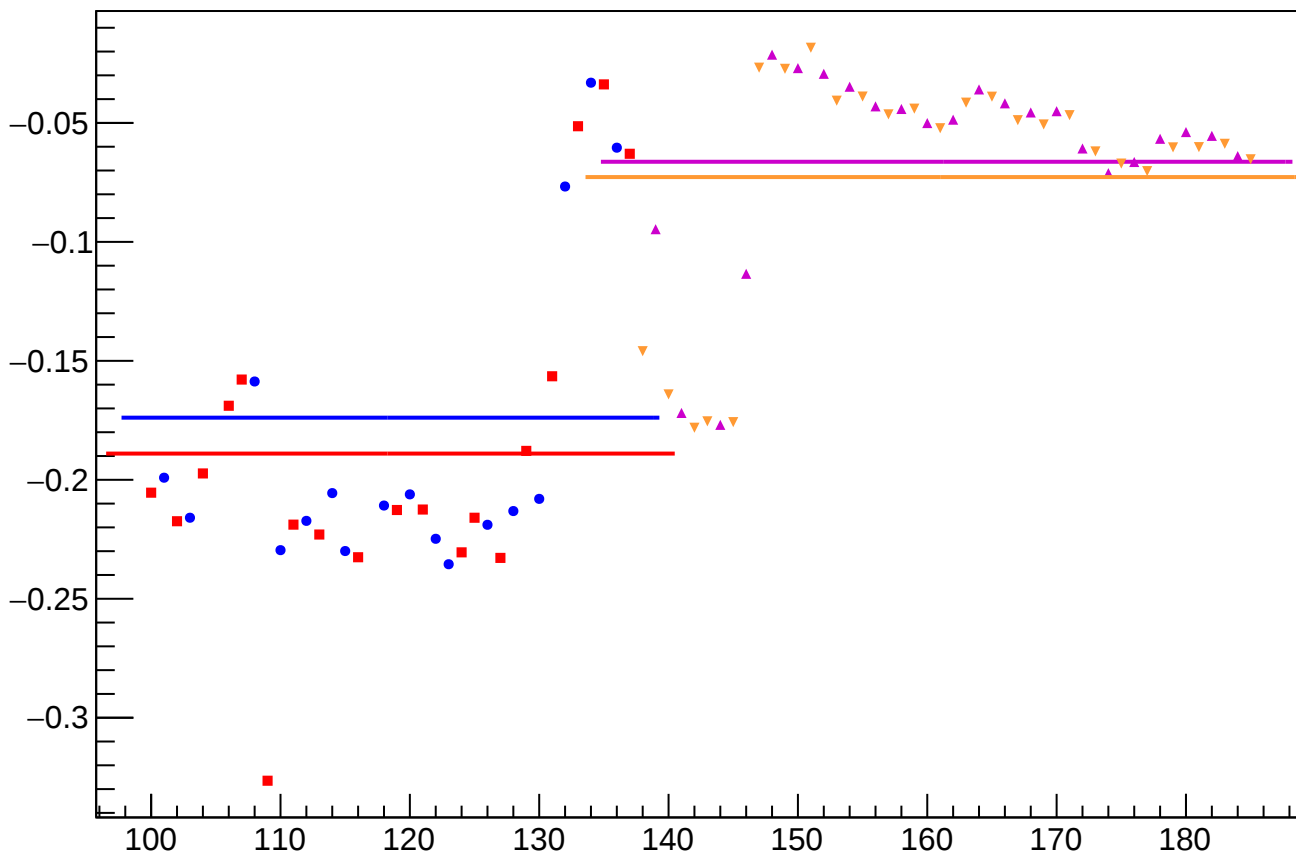
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 488363.6/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2231316.9/41

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4270500.5/83

- 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 : 102223499.1/24

Right Out: -0.189+/-0.000 χ^2/NDF : 81975900.9/18

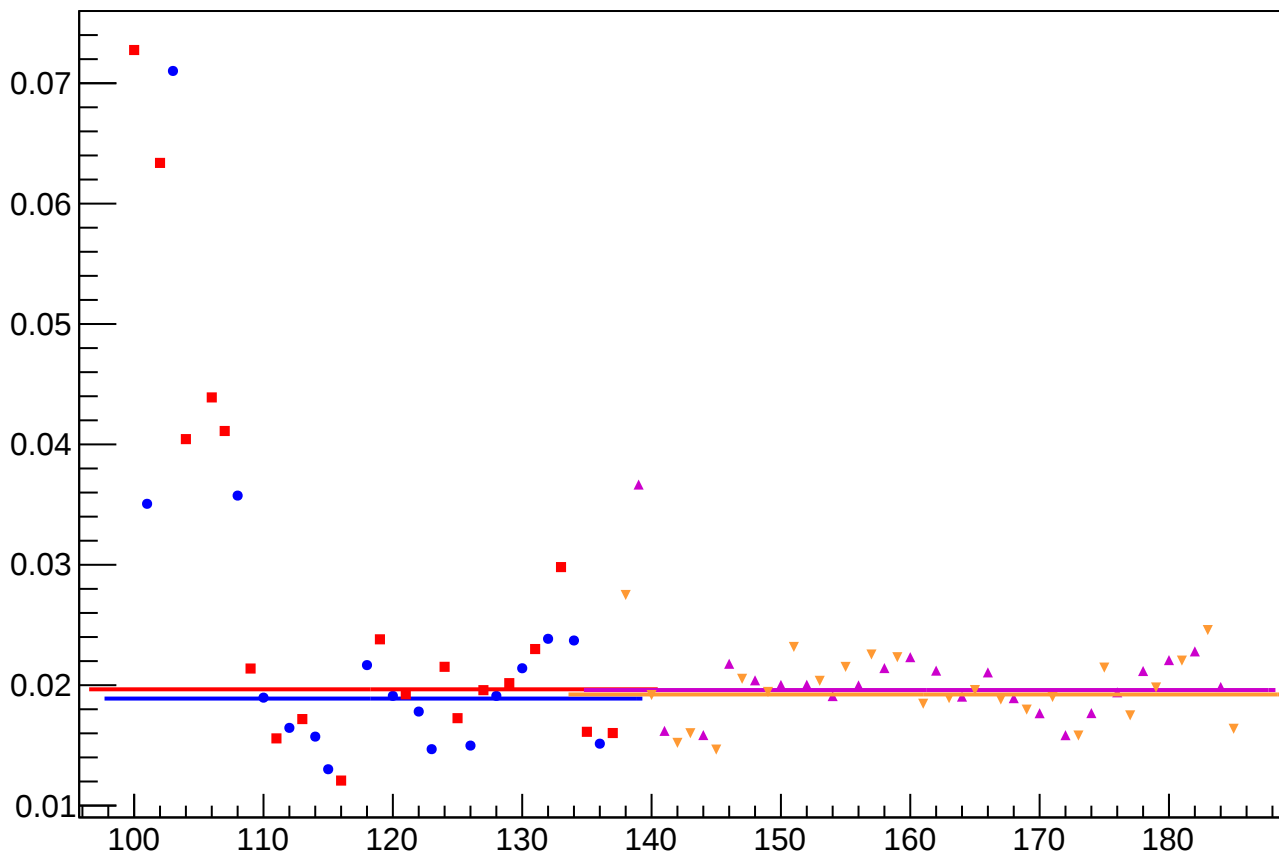
Left In: -0.066+/-0.000 χ^2/NDF : 76243051.8/22

+ sign -0.099+/-0.000 χ^2/NDF : 275536383.5/41

All: -0.099+/-0.000 χ^2/NDF : 581914186.8/83

- 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 : 604979.2/24

Right Out: 0.020+/-0.000 χ^2/NDF : 1454143.7/18

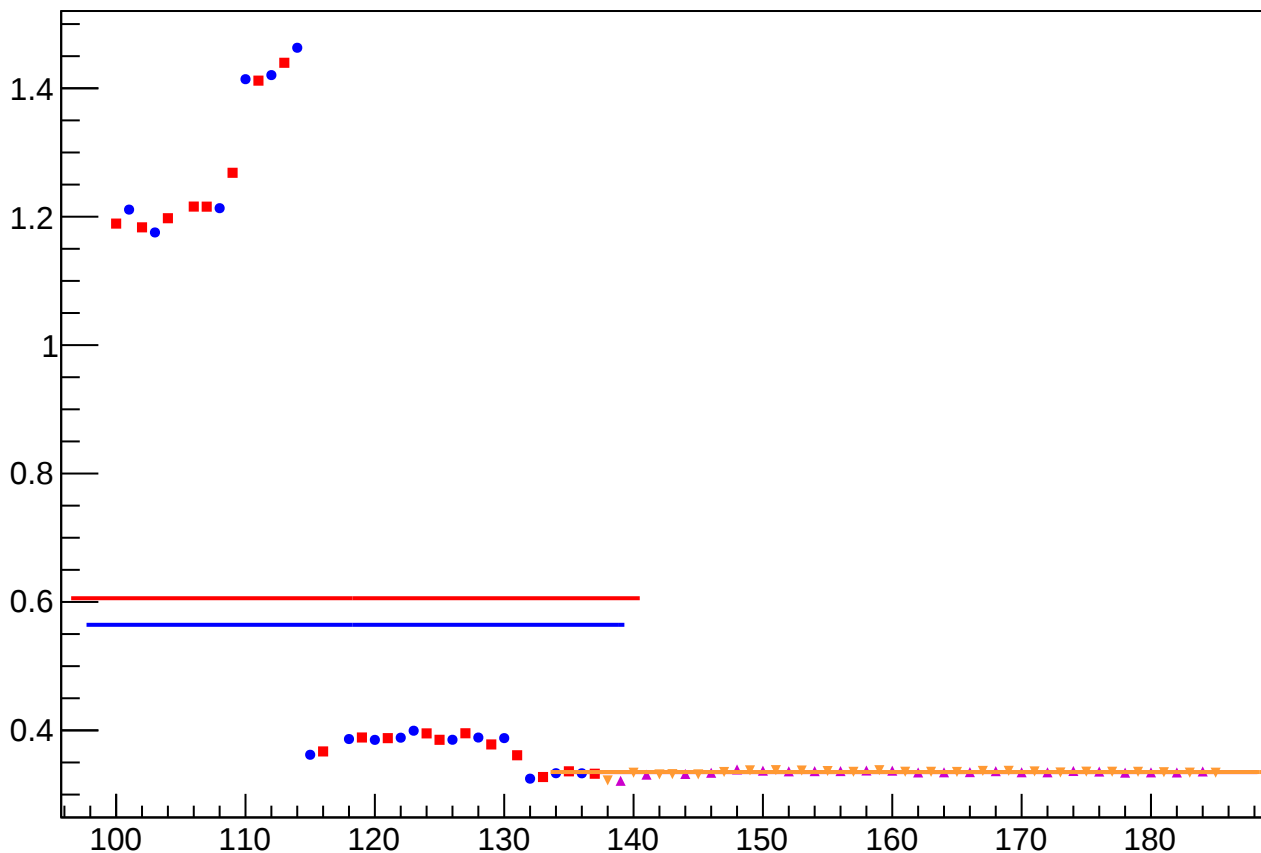
Left In: 0.020+/-0.000 χ^2/NDF : 623148.2/22

+ sign 0.019+/-0.000 χ^2/NDF : 1819235.0/41

All: 0.019+/-0.000 χ^2/NDF : 3908226.3/83

- 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:1144360.9/24

Right Out: 0.606 $\pm$ 0.000 χ^2 /NDF: 5529469116.6/18

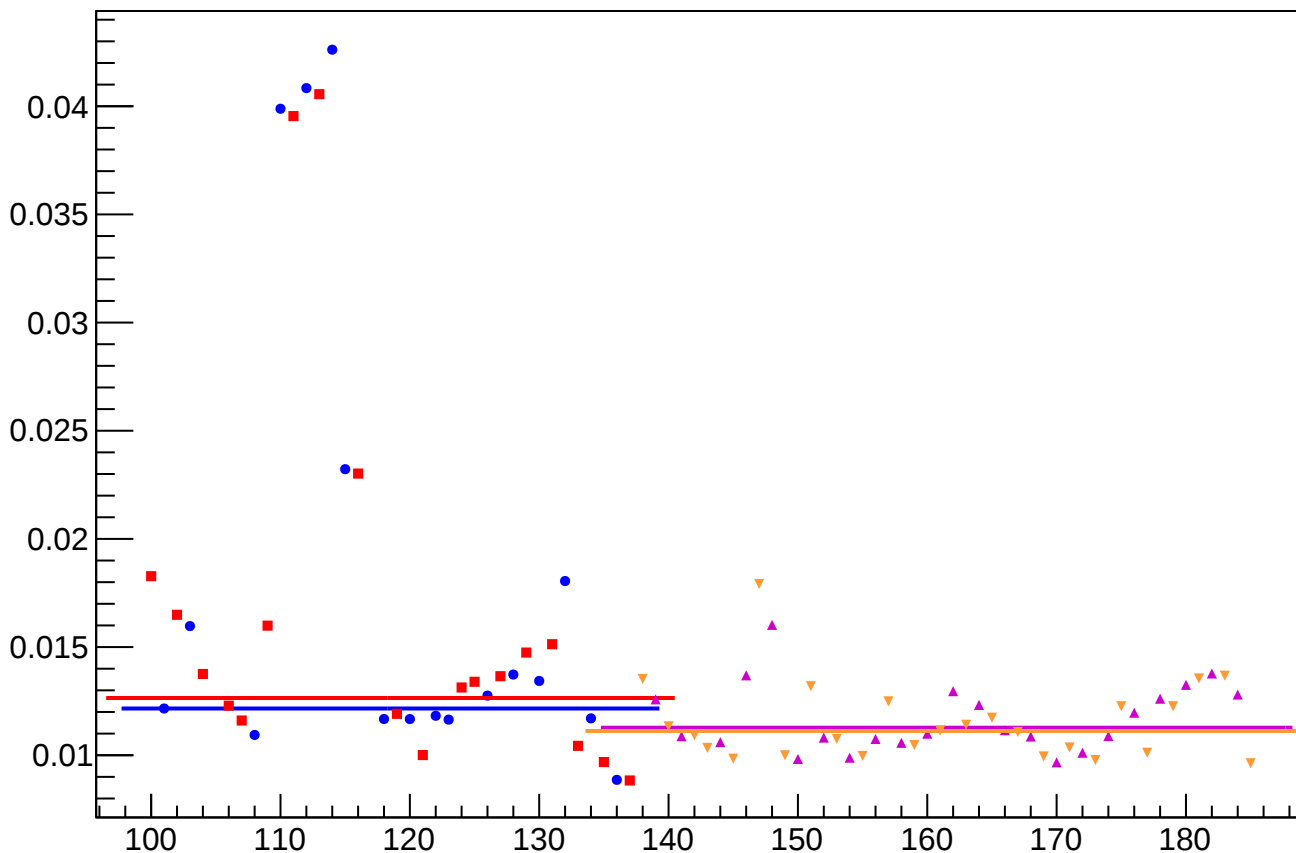
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1202194.8/22

+ sign 0.384 $\pm$ 0.000 χ^2 /NDF: 6620704420.1/41

All: 0.389 $\pm$ 0.000 χ^2 /NDF: 14259747636.3/8

- sign 0.395 $\pm$ 0.000 χ^2 /NDF: 7629440828.0/41

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1304124.1/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 604152.6/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1268972.5/18

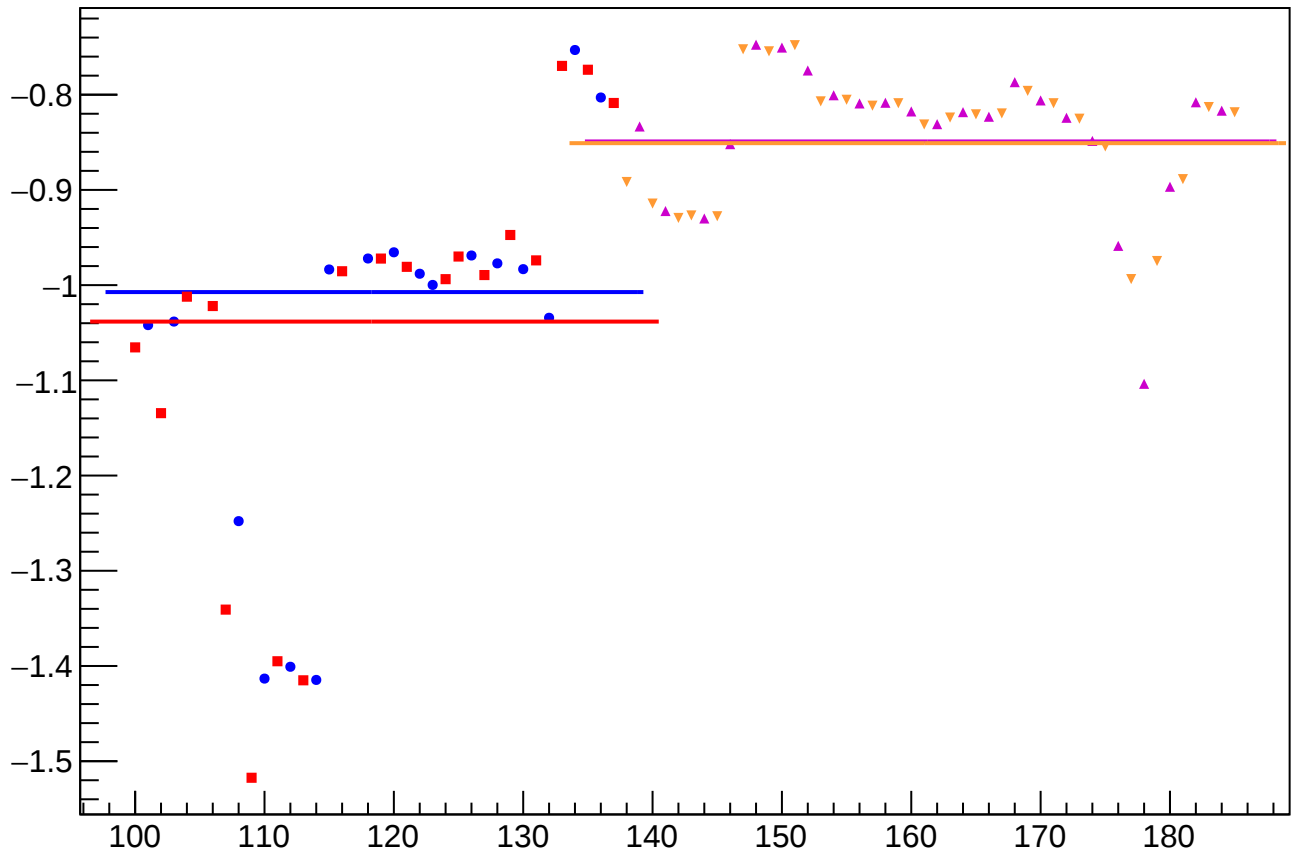
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 502455.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1973202.8/41

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3861958.2/83

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1879483.2/41

yield_bpm4acX_mean vs Slug



Right In: -1.007 $\pm$ 0.000 χ^2 /NDF: 393589325.7/16

Left Out: -0.851 $\pm$ 0.000 χ^2 /NDF:186300241.8/24

Right Out: -1.038 $\pm$ 0.000 χ^2 /NDF: 535629570.0/18

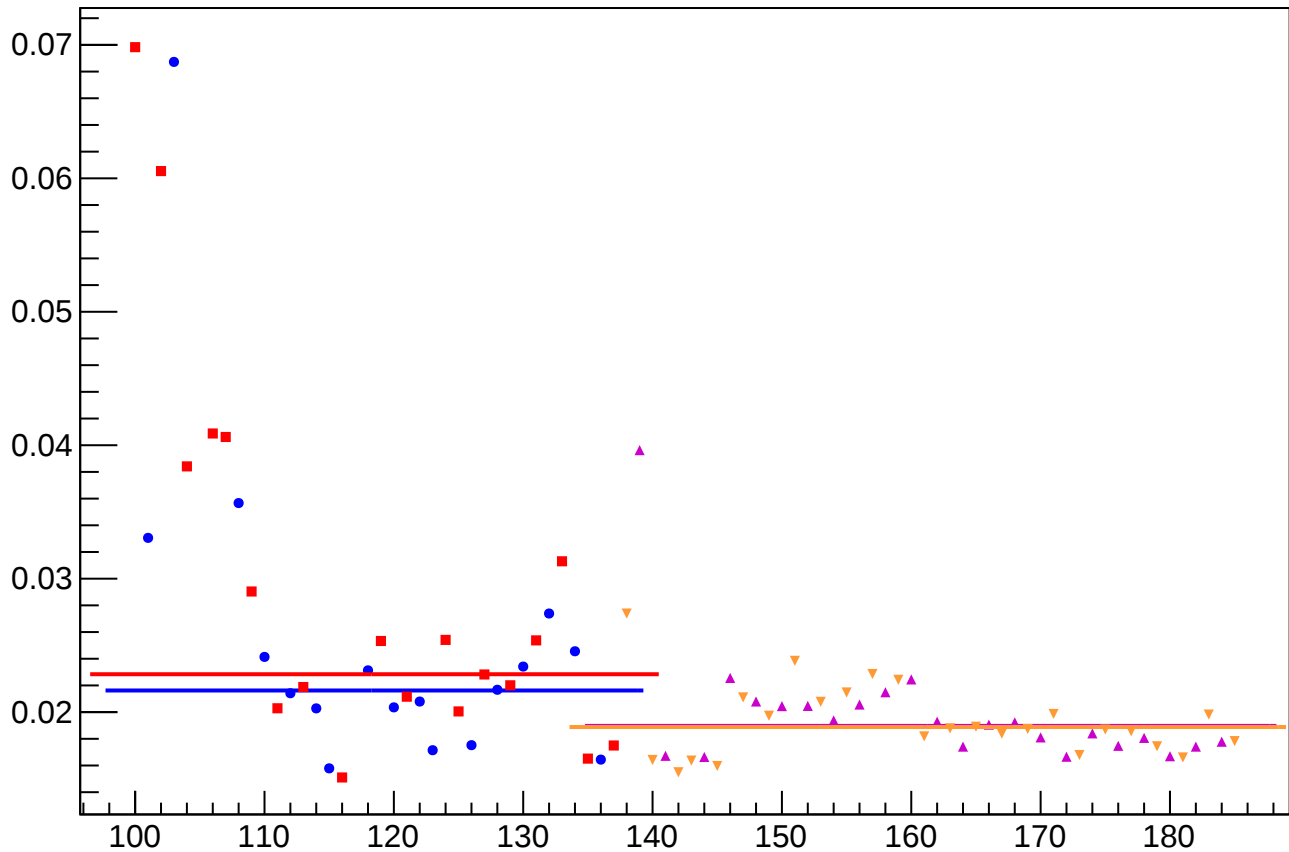
Left In: -0.849 $\pm$ 0.000 χ^2 /NDF:256391274.4/22

+ sign -0.883 $\pm$ 0.000 χ^2 /NDF: 790700767.8/41

All: -0.886 $\pm$ 0.000 χ^2 /NDF: 1871965511.2/8

- sign -0.888 $\pm$ 0.000 χ^2 /NDF: 1080648382.9/41

yield_bpm4acX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 984588.1/16

Left Out: 0.019+/-0.000 χ^2/NDF : 468222.4/24

Right Out: 0.023+/-0.000 χ^2/NDF : 1150914.8/18

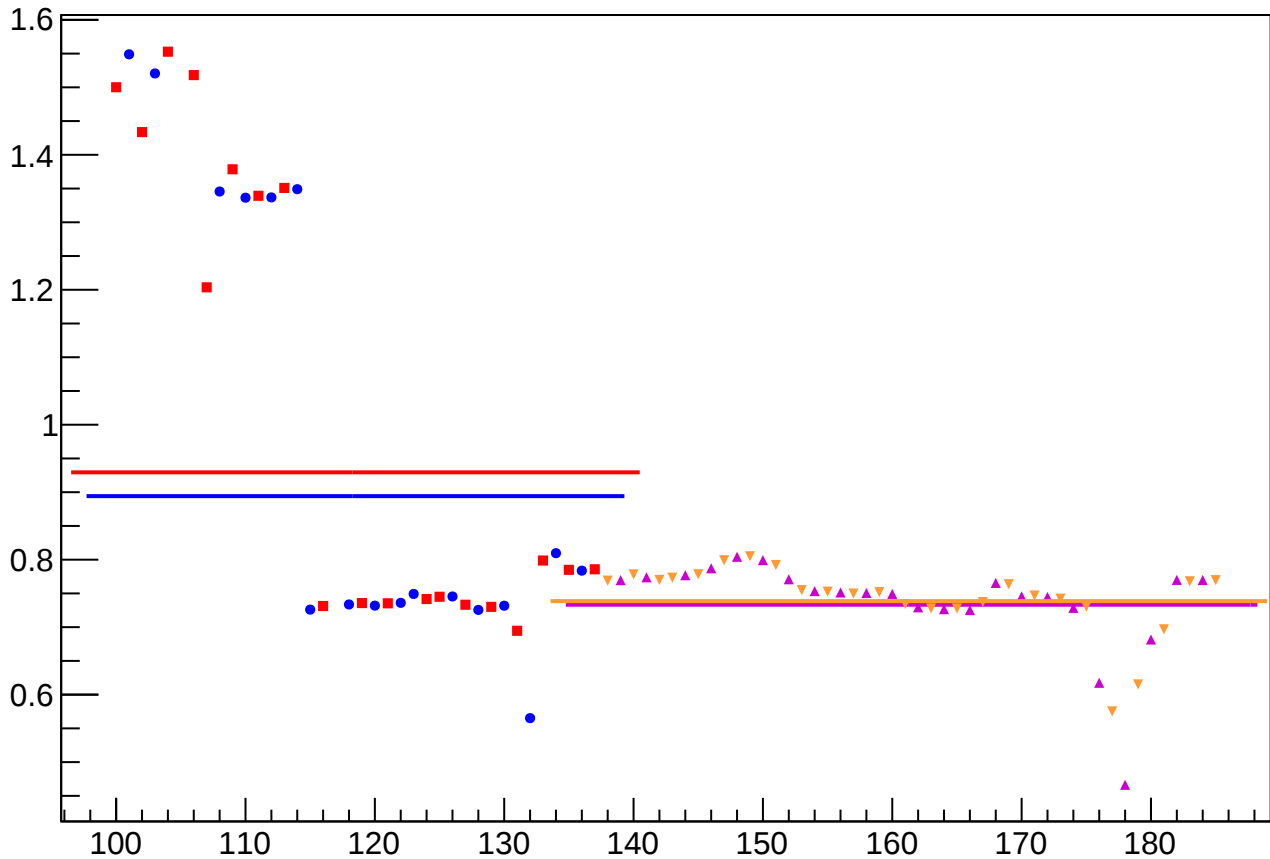
Left In: 0.019+/-0.000 χ^2/NDF : 615173.8/22

+ sign 0.019+/-0.000 χ^2/NDF : 1582052.7/41

All: 0.020+/-0.000 χ^2/NDF : 3594992.5/83

- sign 0.020+/-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: 0.739+/-0.000 χ^2/NDF : 332000123.5/24

+ sign 0.768+/-0.000 χ^2/NDF : 3274596315.3/41

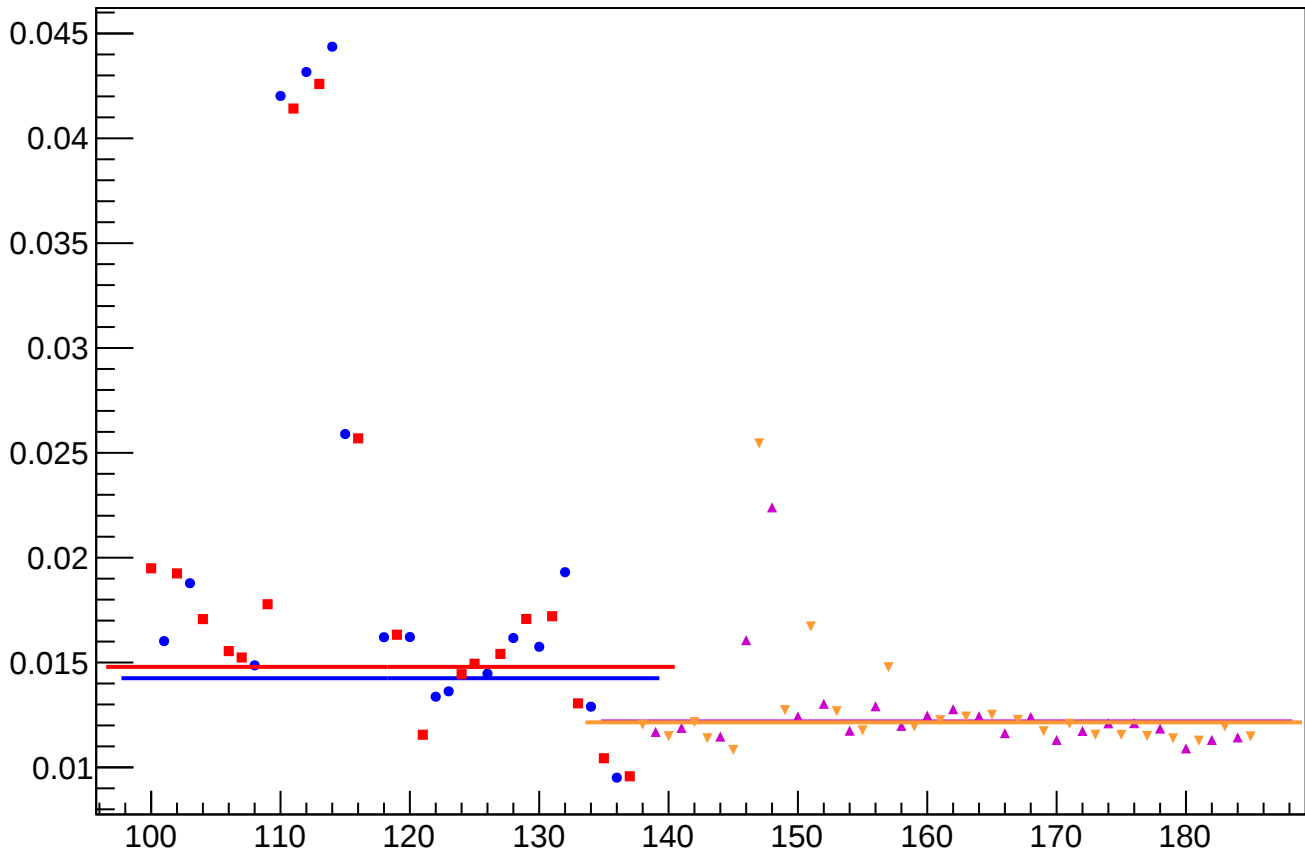
Right Out: 0.929+/-0.000 χ^2/NDF : 2422023767.8/18

All: 0.770+/-0.000 χ^2/NDF : 7111765406.1/83

- 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: 636374.1/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1271820.6/18

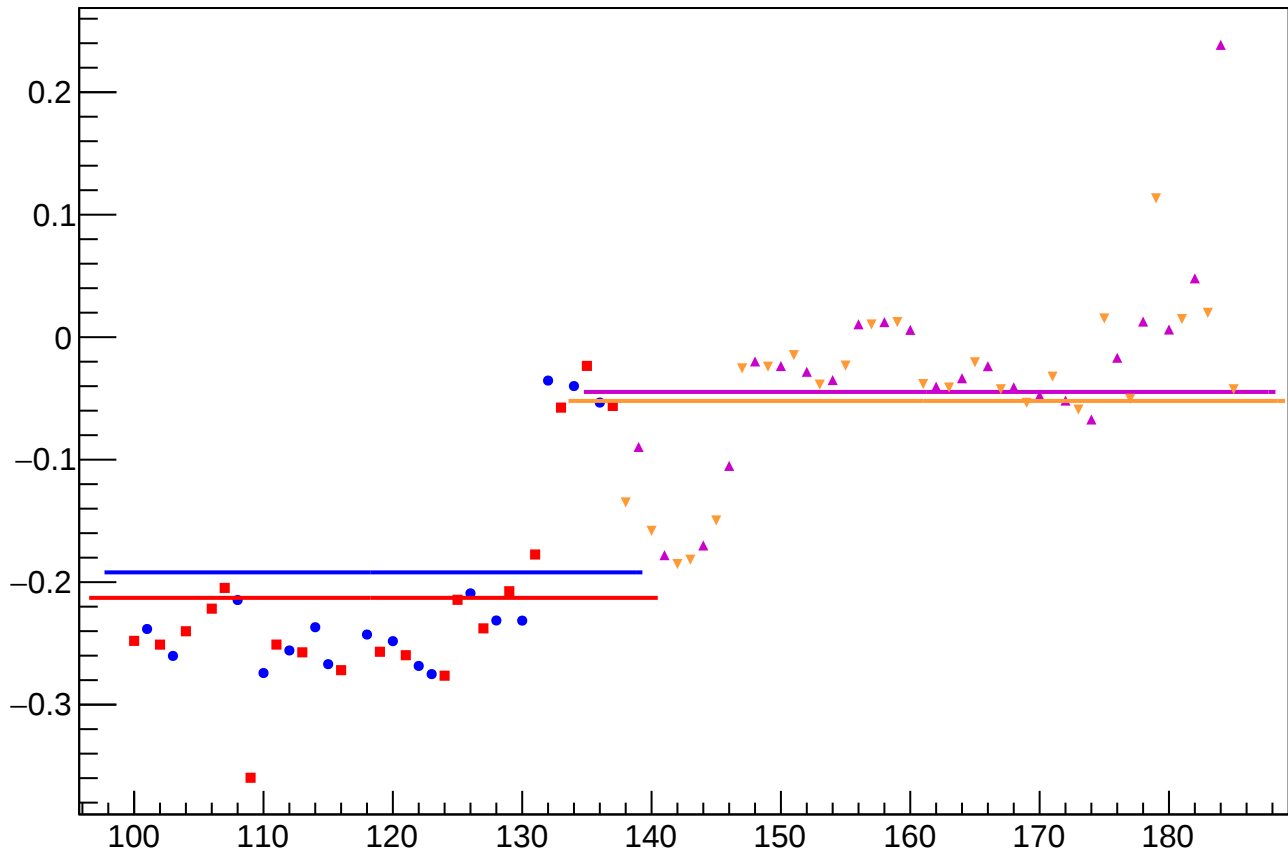
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 481830.1/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2245224.6/41

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4299208.0/83

- 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 : 159062221.6/24

Right Out: -0.213+/-0.000 χ^2/NDF : 110522593.6/18

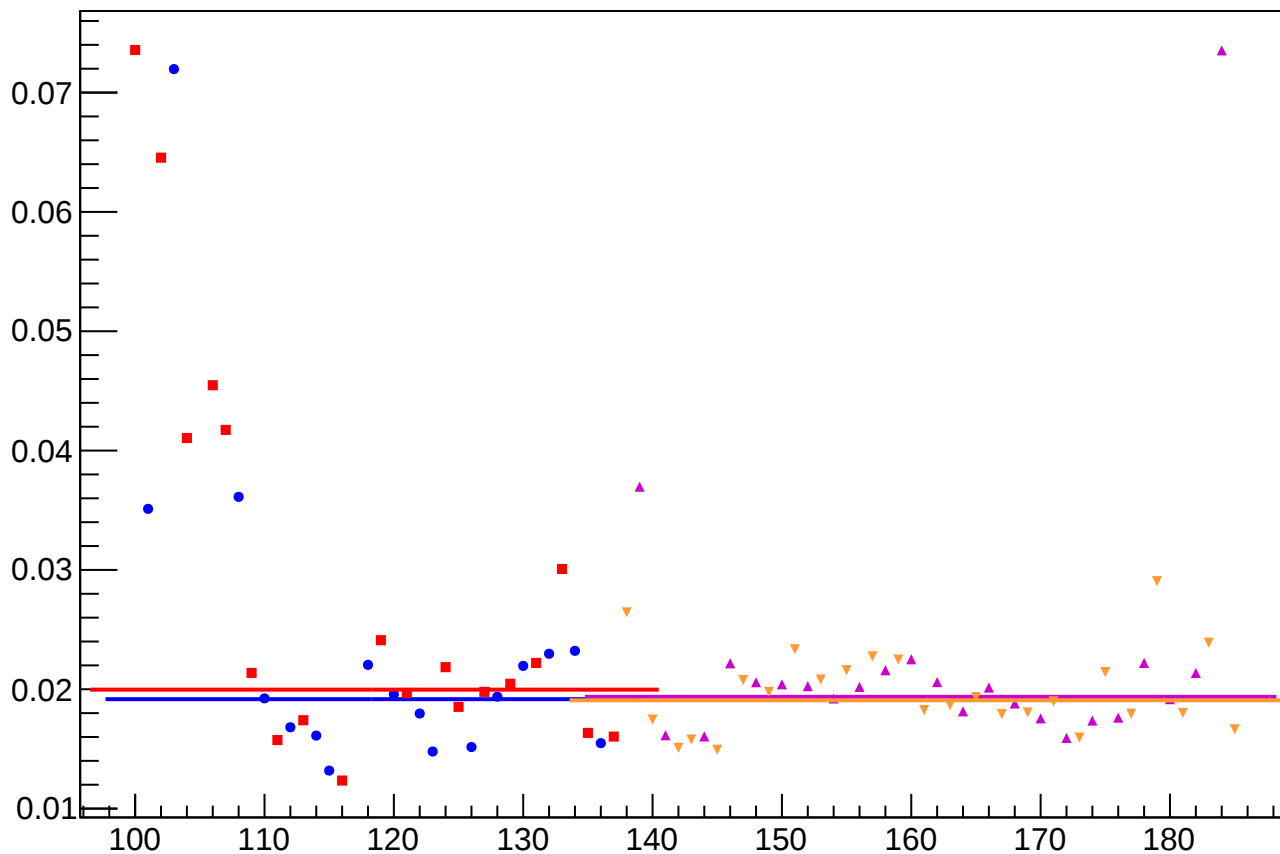
Left In: -0.045+/-0.000 χ^2/NDF : 127192425.2/22

+ sign -0.088+/-0.000 χ^2/NDF : 464353589.0/41

All: -0.088+/-0.000 χ^2/NDF : 973356187.6/83

- sign -0.088+/-0.000 χ^2/NDF : 508986806.1/41

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1182752.8/16

Left Out: 0.019+/-0.000 χ^2/NDF : 666331.3/24

Right Out: 0.020+/-0.000 χ^2/NDF : 1445067.6/18

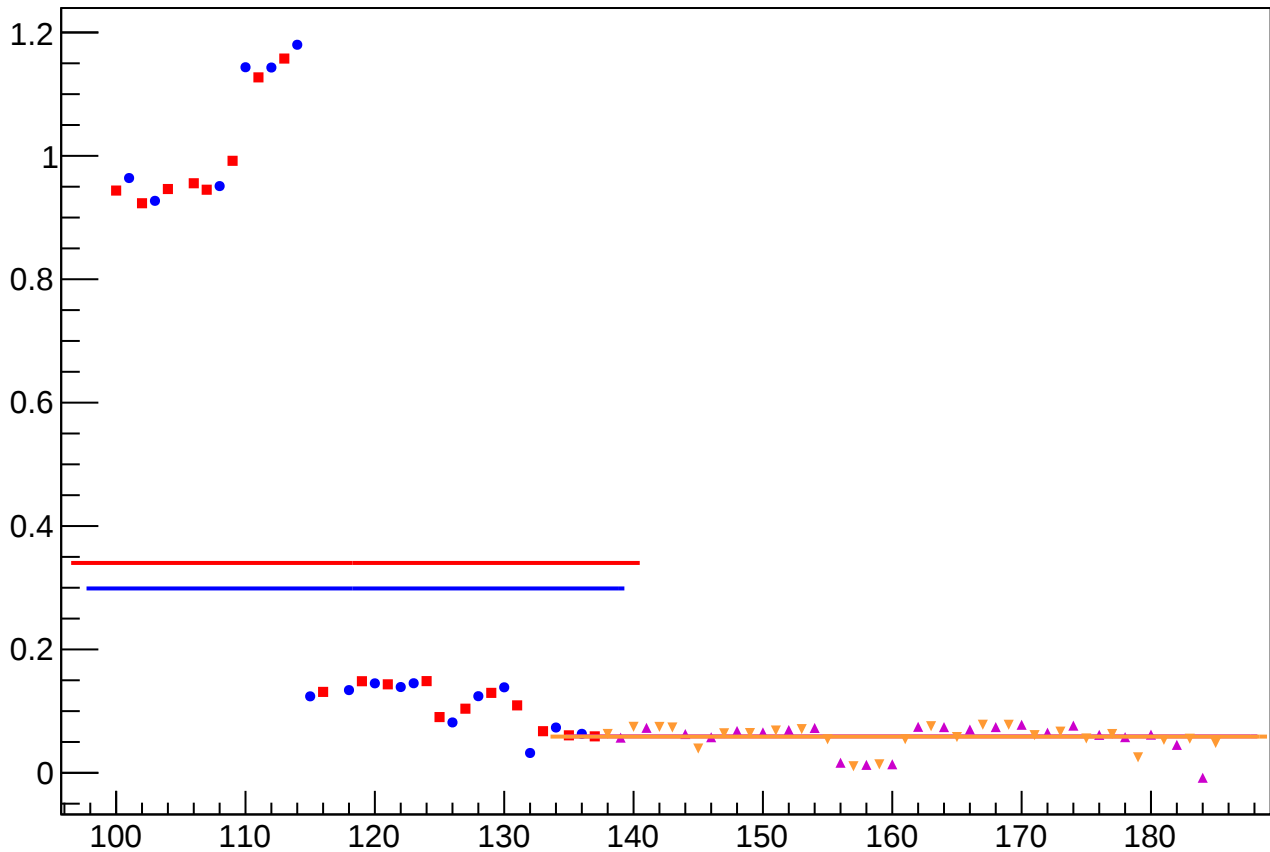
Left In: 0.019+/-0.000 χ^2/NDF : 858216.8/22

+ sign 0.019+/-0.000 χ^2/NDF : 1849266.8/41

All: 0.019+/-0.000 χ^2/NDF : 4168773.2/83

- sign 0.020+/-0.000 χ^2/NDF : 2310239.5/41

yield_bpm4ecY_mean vs Slug



Right In: 0.299 $\pm$ 0.000 χ^2 /NDF: 5180137730.5/16

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 46495868.6/24

+ sign 0.110 $\pm$ 0.000 χ^2 /NDF: 6984548237.0/41

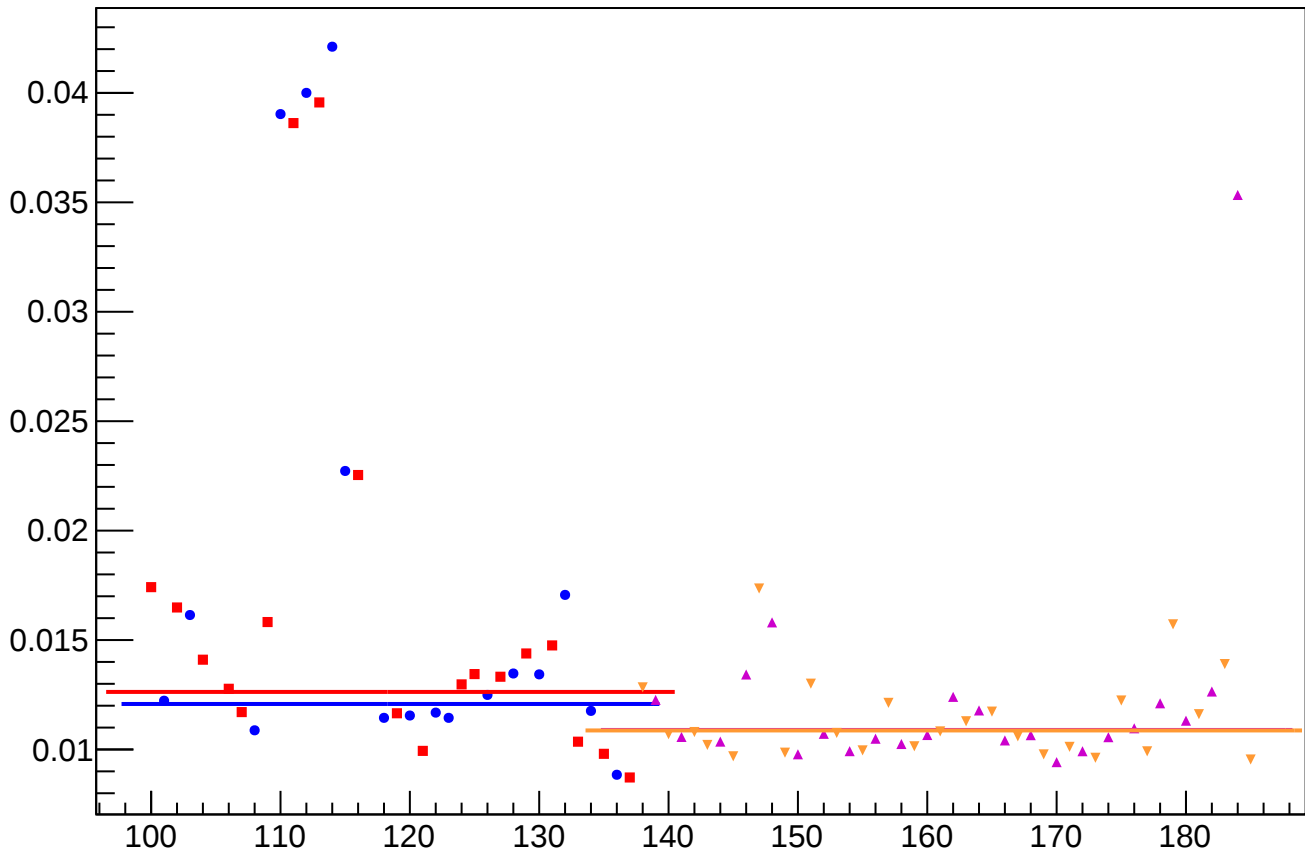
Right Out: 0.340 $\pm$ 0.000 χ^2 /NDF: 5473541358.4/18

All: 0.114 $\pm$ 0.000 χ^2 /NDF: 14813046613.8/8

- sign 0.119 $\pm$ 0.000 χ^2 /NDF: 7821262127.7/41

Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58518655.0/22

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: 602993.6/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1235880.5/18

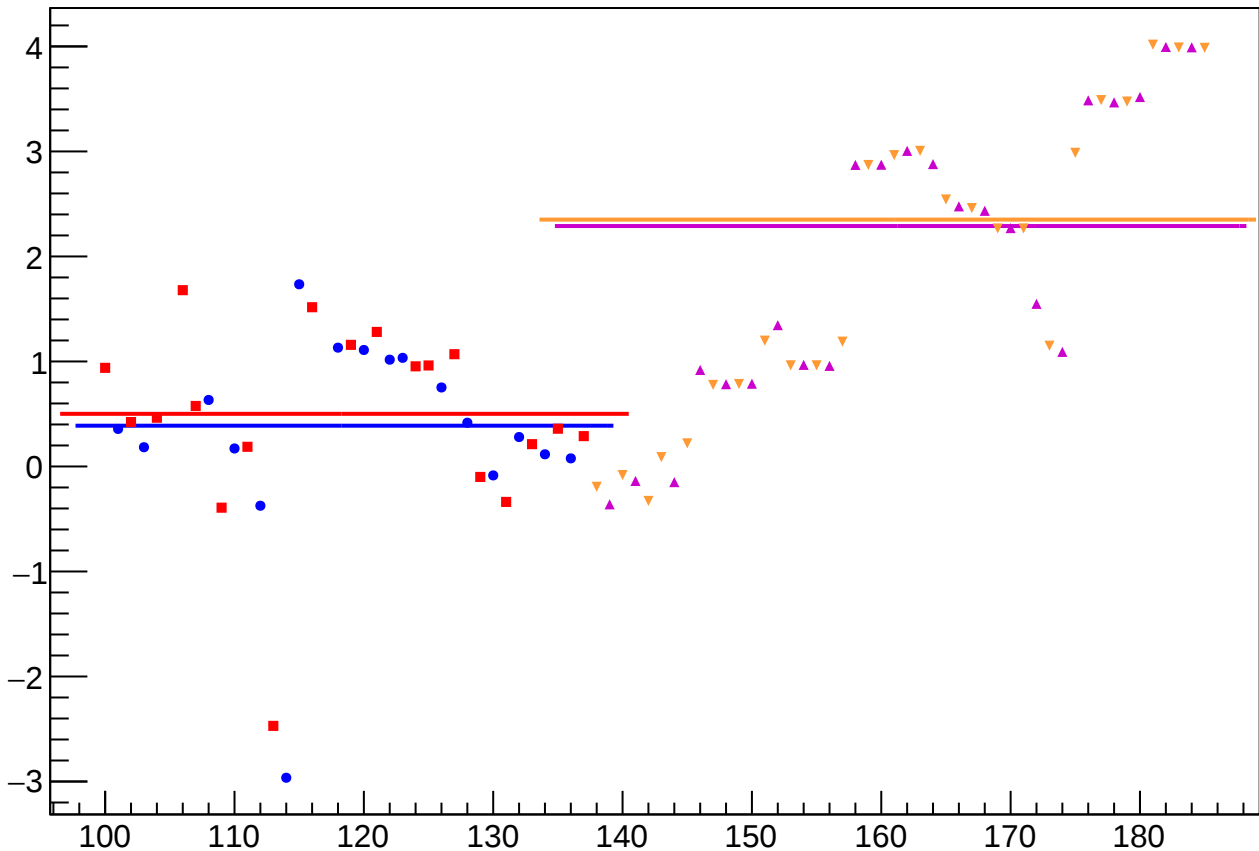
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 530077.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1968886.0/41

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3913116.1/83

- 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: 2.351 $\pm$ 0.000 χ^2 /NDF: 62721475143.3/24

Right Out: 0.501 $\pm$ 0.000 χ^2 /NDF: 983034937.0/18

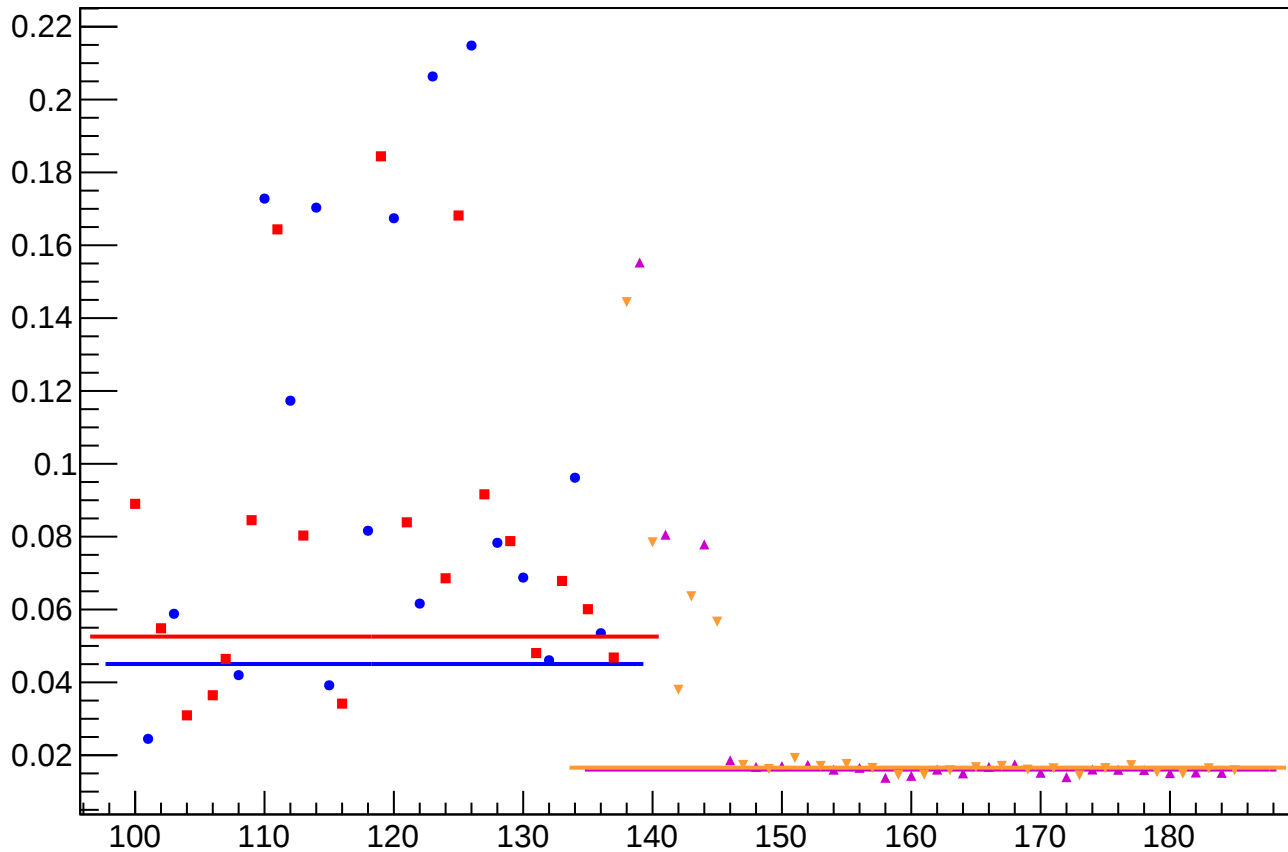
Left In: 2.290 $\pm$ 0.000 χ^2 /NDF: 60875537647.3/22

+ sign 2.286 $\pm$ 0.000 χ^2 /NDF: 69475969670.4/41

All: 2.263 $\pm$ 0.000 χ^2 /NDF: 136024399252.4

- sign 2.240 $\pm$ 0.000 χ^2 /NDF: 66491848031.9/41

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2830669.1/16

Left Out: 0.017+/-0.000 χ^2/NDF : 2810614.1/24

Right Out: 0.053+/-0.000 χ^2/NDF : 2177690.7/18

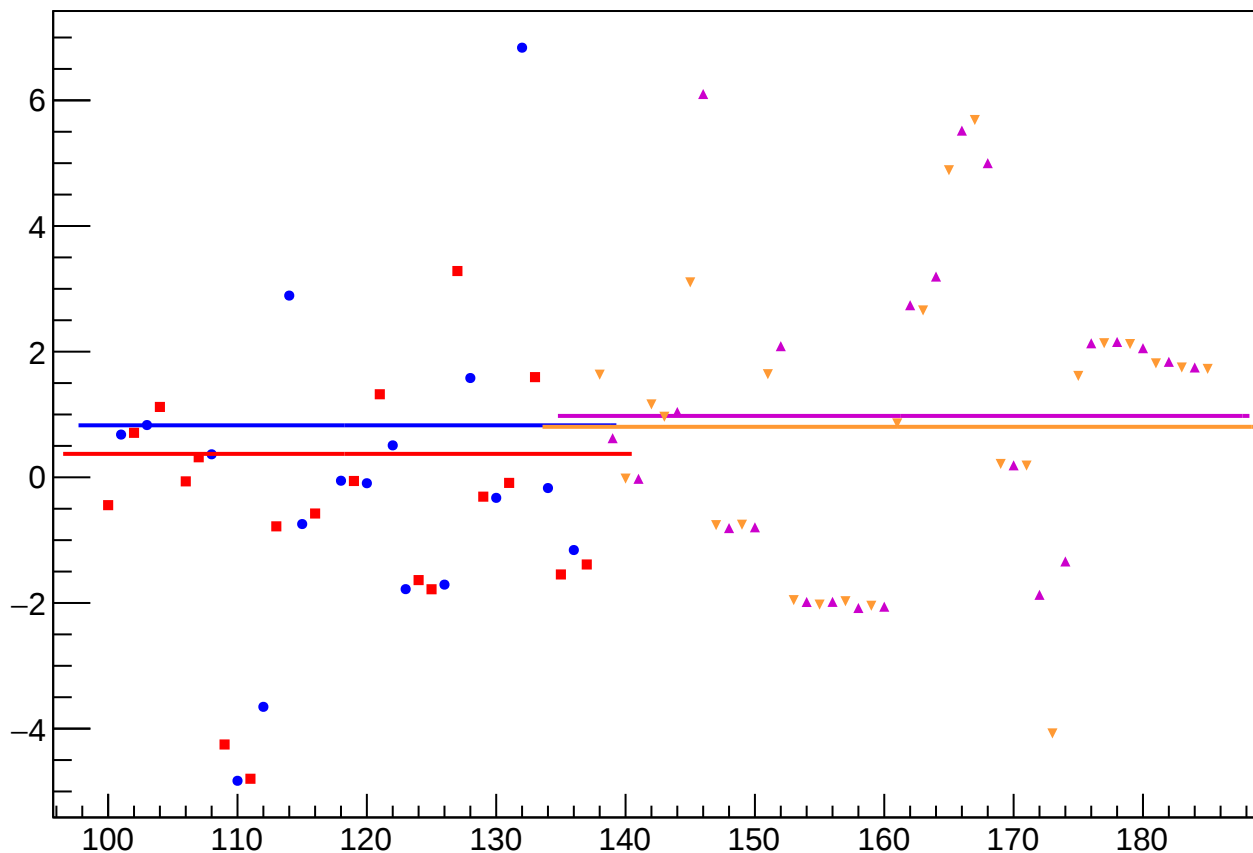
Left In: 0.016+/-0.000 χ^2/NDF : 2394376.5/22

+ sign 0.018+/-0.000 χ^2/NDF : 8376767.5/41

All: 0.017+/-0.000 χ^2/NDF : 16824191.8/83

- sign 0.017+/-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: 0.804 ± 0.000 χ^2/NDF : 507431868387.9/24

Right Out: 0.373 ± 0.000 χ^2/NDF : 4968052358.8/18

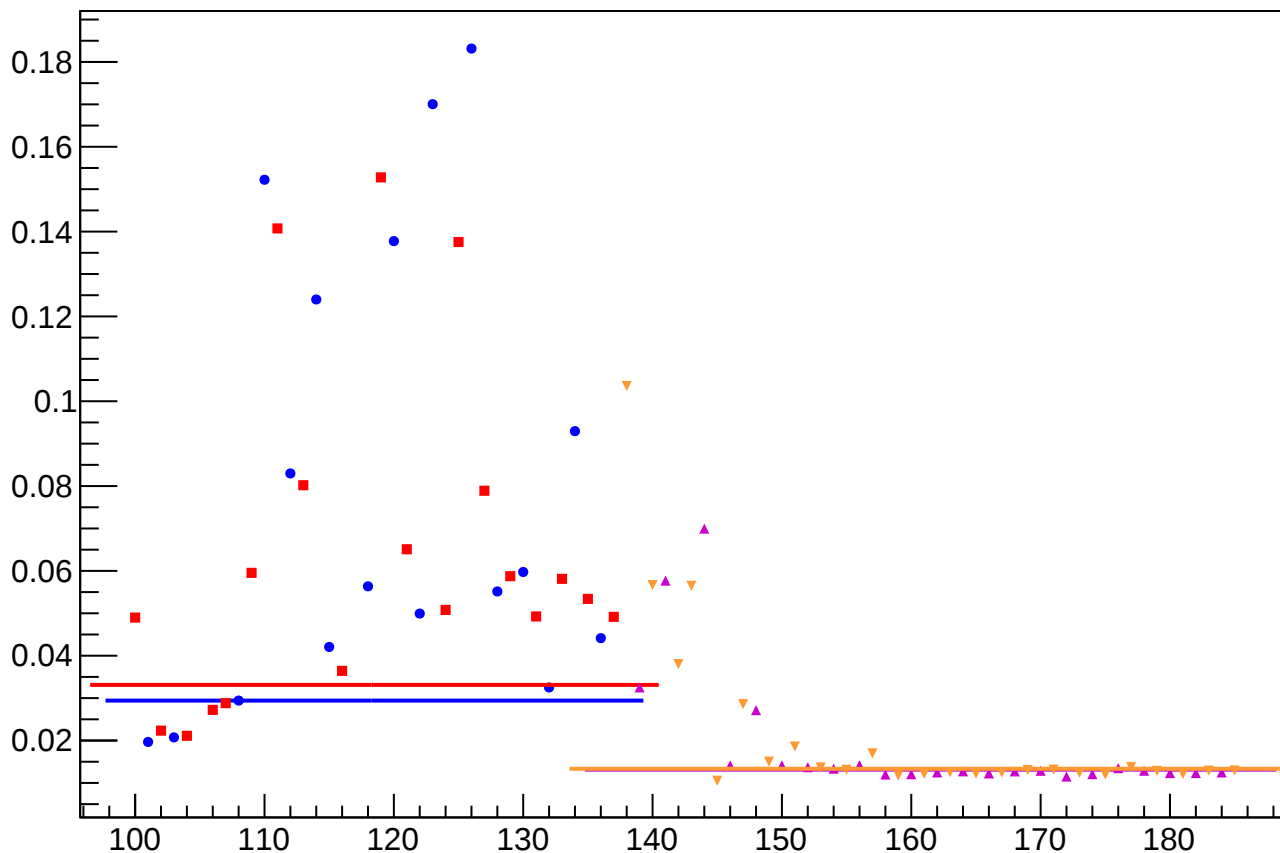
Left In: 0.977 ± 0.000 χ^2/NDF : 568209676597.4/22

+ sign 0.805 ± 0.000 χ^2/NDF : 518368602682.6/41

All: 0.879 ± 0.000 χ^2/NDF : 1093750891433.

- 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: 2916501.5/24

Right Out: 0.033 $\pm$ 0.000 χ^2 /NDF: 3078516.1/18

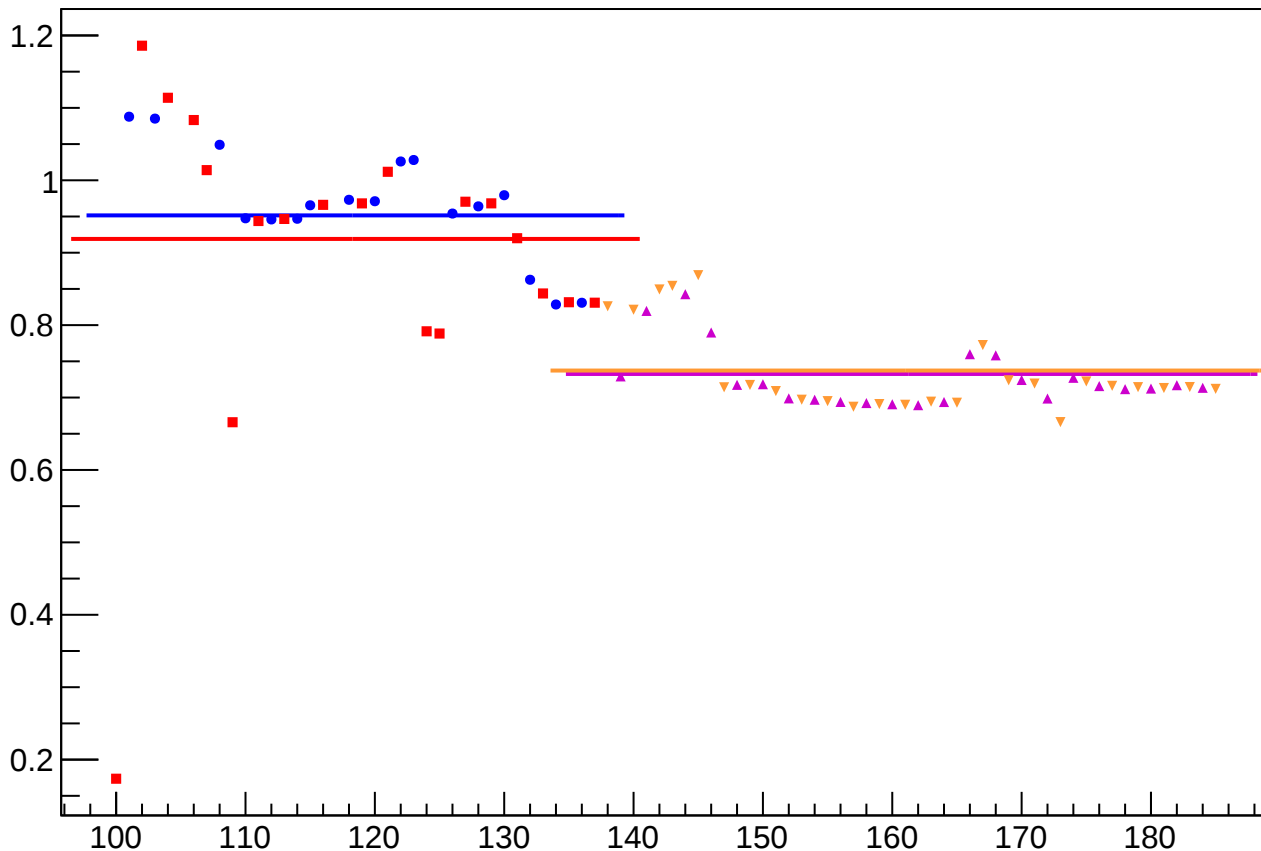
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1946693.6/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 7892456.3/41

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 15599634.4/83

- 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: 0.737 $\pm$ 0.000 χ^2 /NDF: 299049759.7/24

Right Out: 0.919 $\pm$ 0.000 χ^2 /NDF: 374715264.1/18

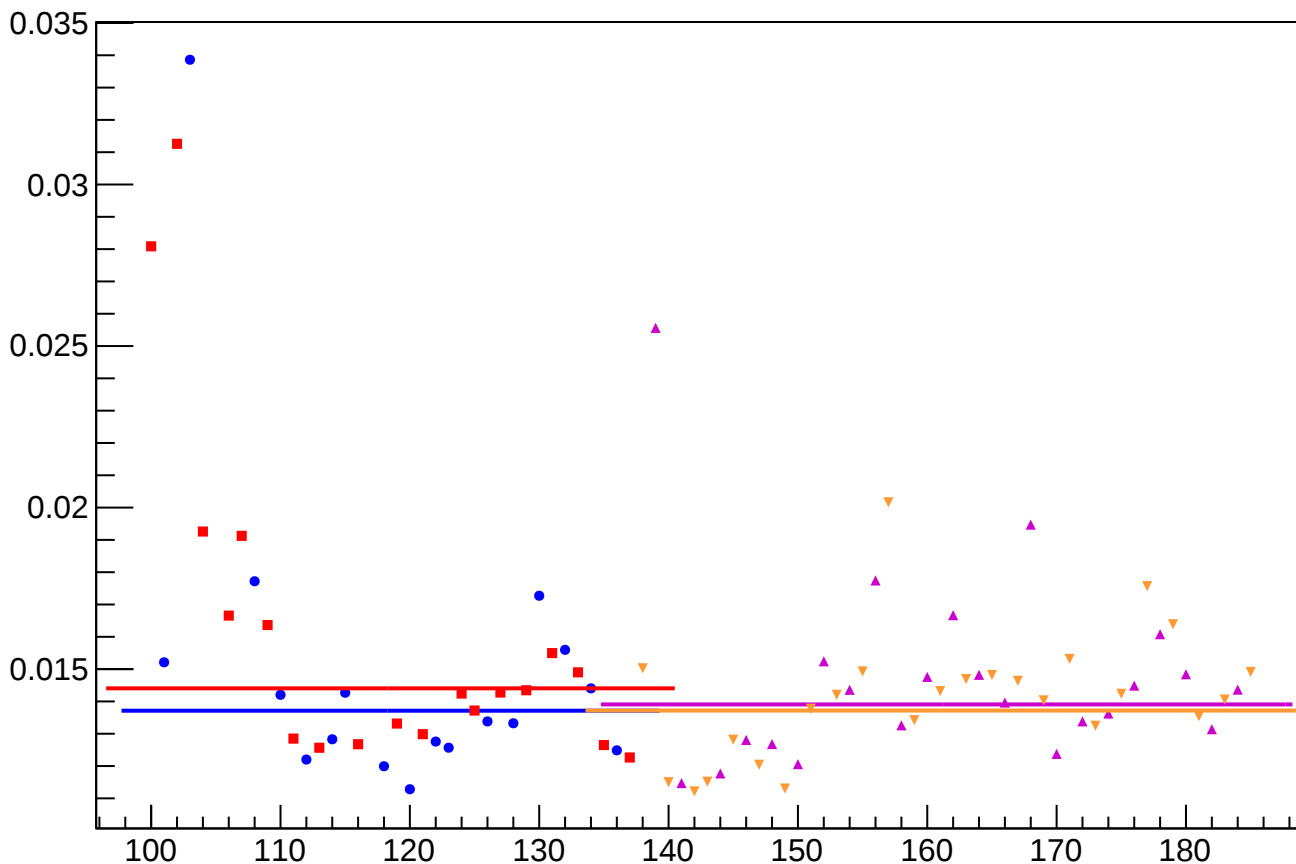
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF: 170102394.7/22

+ sign 0.794 $\pm$ 0.000 χ^2 /NDF: 1512994956.0/41

All: 0.788 $\pm$ 0.000 χ^2 /NDF: 2809269814.7/83

- 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: 515223.9/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 502019.0/18

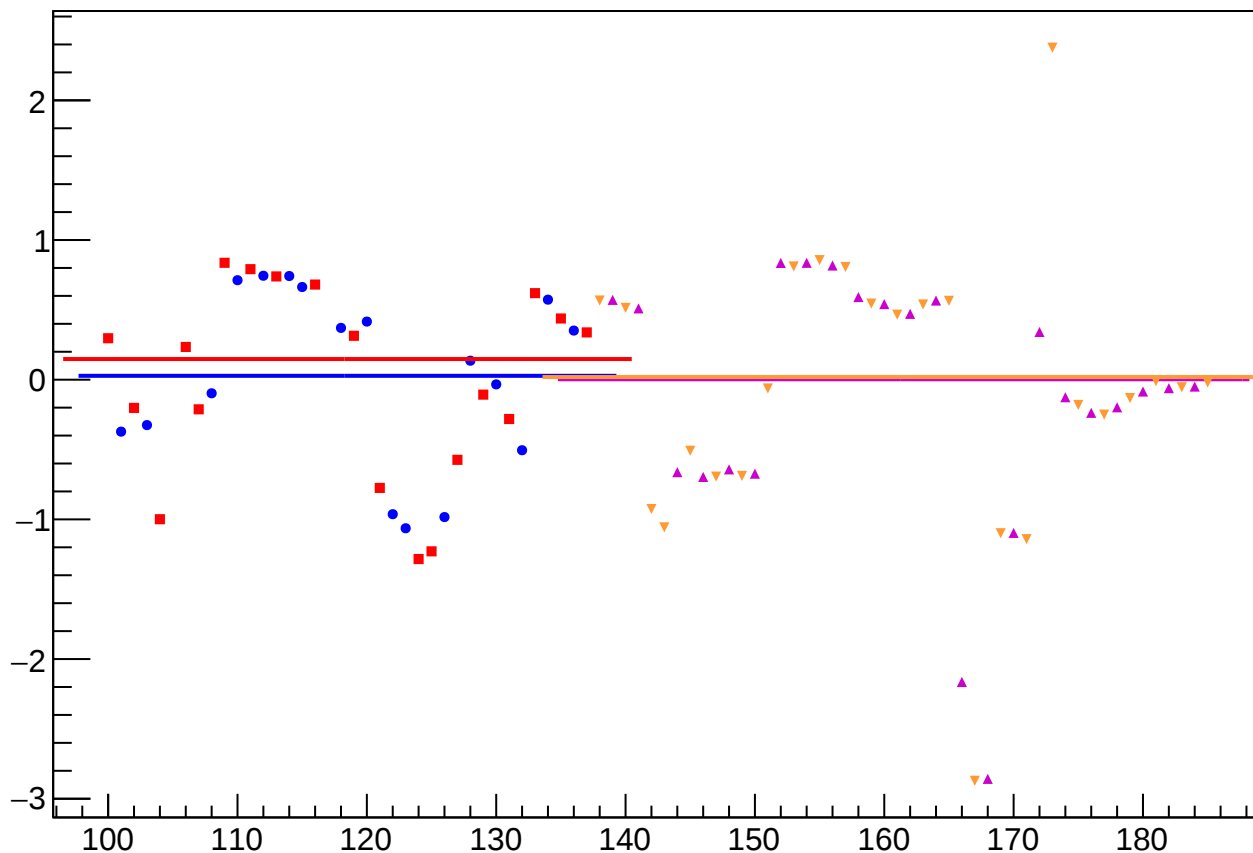
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF: 768161.9/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1061446.5/41

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2354088.9/83

- 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: 0.019+/-0.000 χ^2/NDF : 95616144866.7/24

Right Out: 0.148+/-0.000 χ^2/NDF : 12786884425.3/18

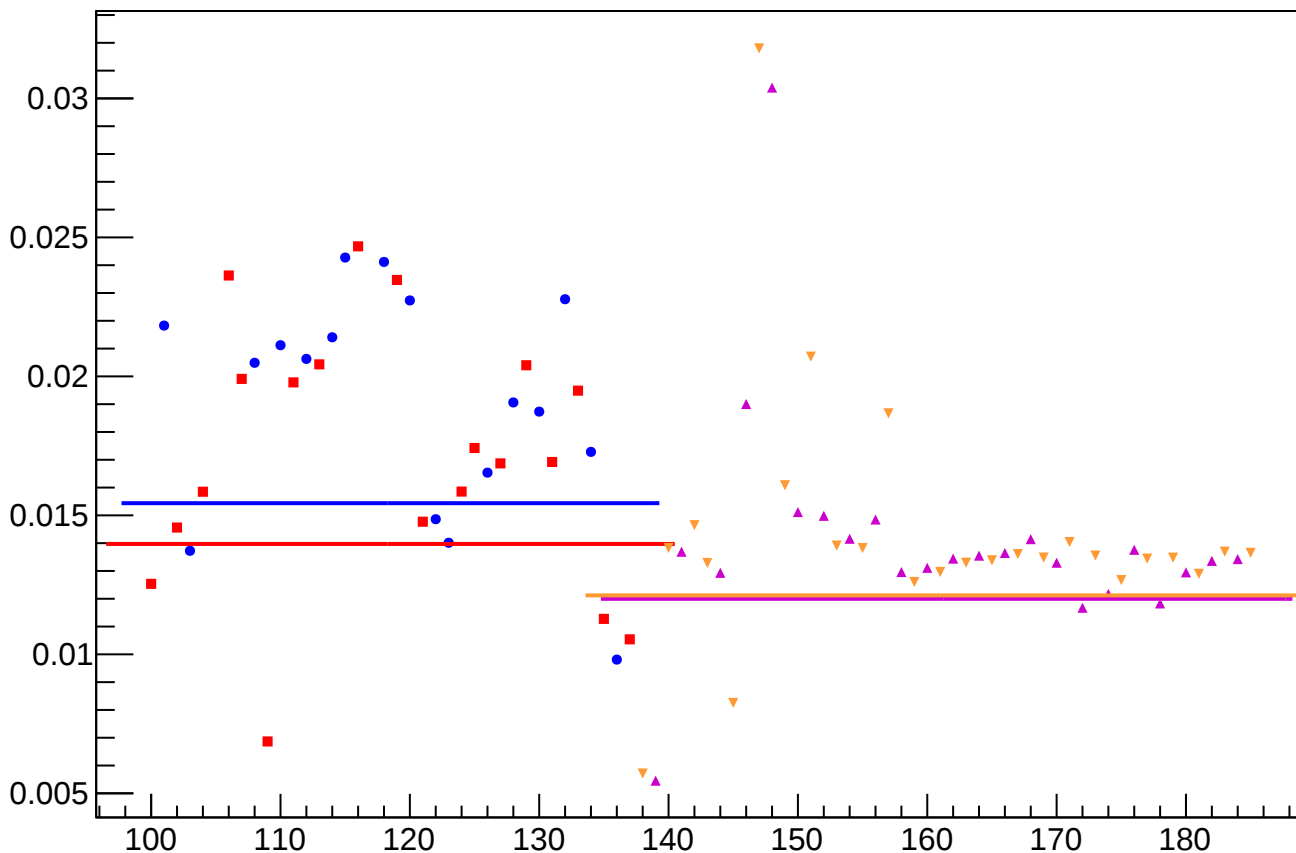
Left In: 0.003+/-0.000 χ^2/NDF : 78826489573.0/22

+ sign 0.021+/-0.000 χ^2/NDF : 101948288978.4/41

All: 0.027+/-0.000 χ^2/NDF : 194045296069.1

- 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 : 3115695.5/24

Right Out: 0.014+/-0.000 χ^2/NDF : 1556431.6/18

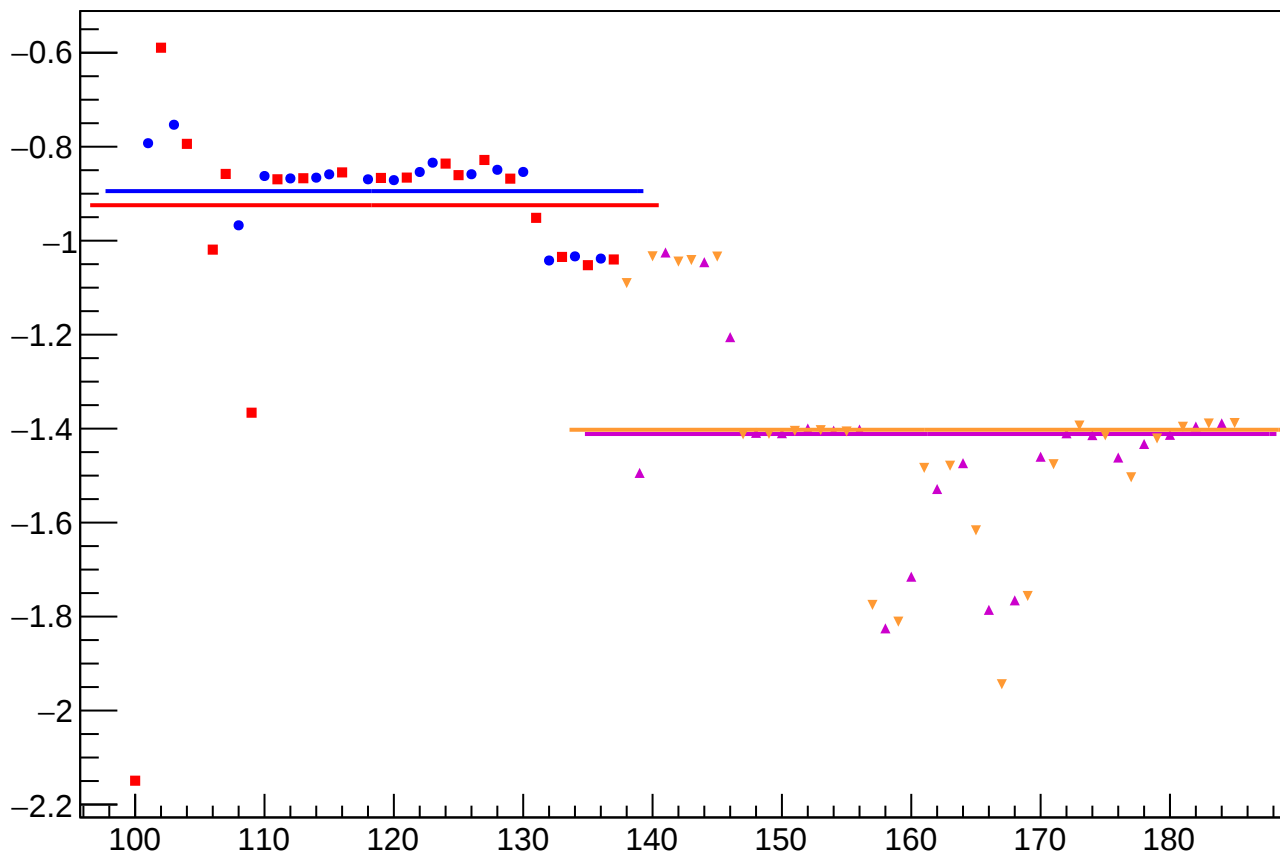
Left In: 0.012+/-0.000 χ^2/NDF : 3003502.9/22

+ sign 0.013+/-0.000 χ^2/NDF : 4702650.4/41

All: 0.013+/-0.000 χ^2/NDF : 9449111.5/83

- 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: -1.402+/-0.000 χ^2/NDF : 721864487.2/24

Right Out: -0.925+/-0.000 χ^2/NDF : 128456555.8/18

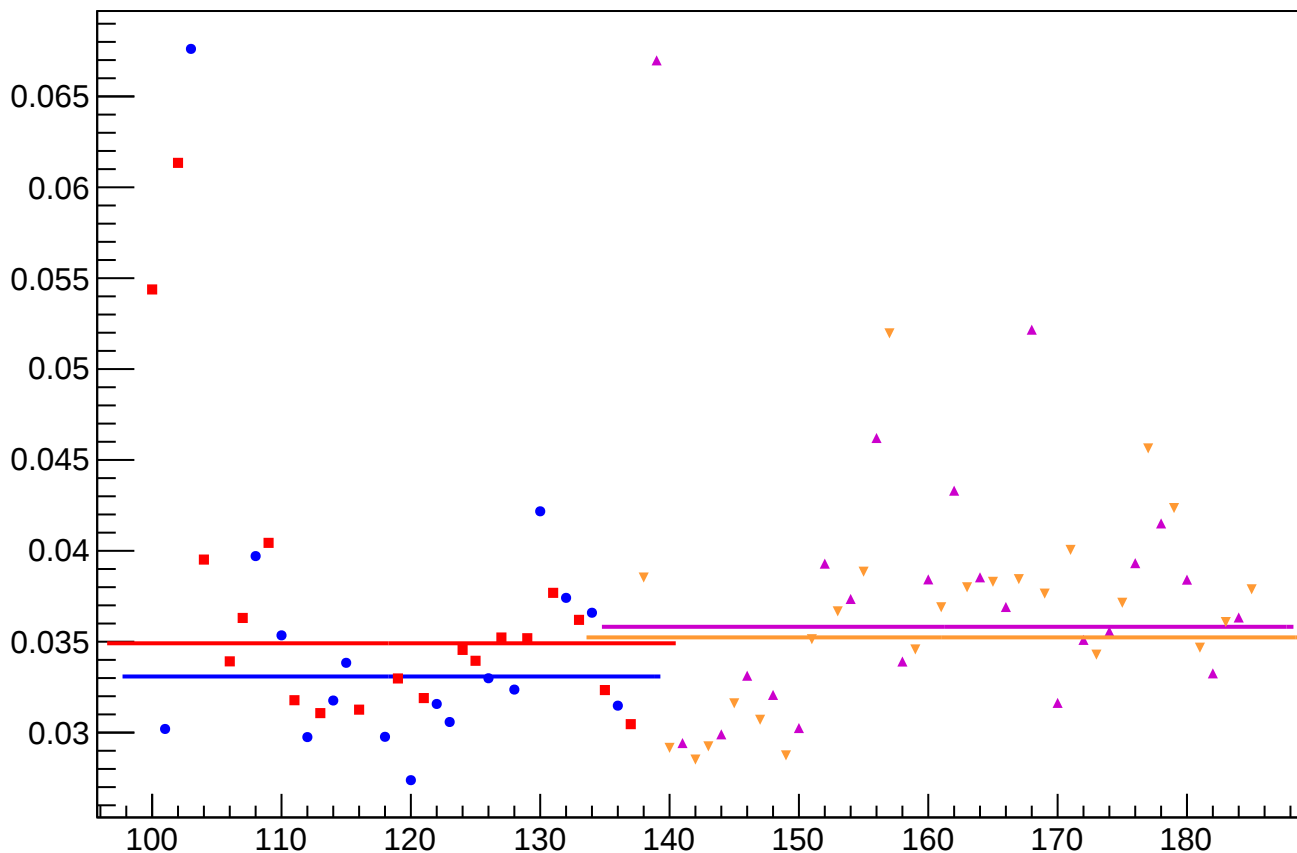
Left In: -1.411+/-0.000 χ^2/NDF : 512547995.0/22

+ sign -1.253+/-0.000 χ^2/NDF : 1732938618.0/41

All: -1.260+/-0.000 χ^2/NDF : 3214277465.7/8

- sign -1.267+/-0.000 χ^2/NDF : 1479689599.6/41

yield_bpm12X_rms vs Slug



Right In: 0.033 $\pm$ 0.000 χ^2 /NDF: 408714.5/16

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 579933.6/24

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 274757.5/18

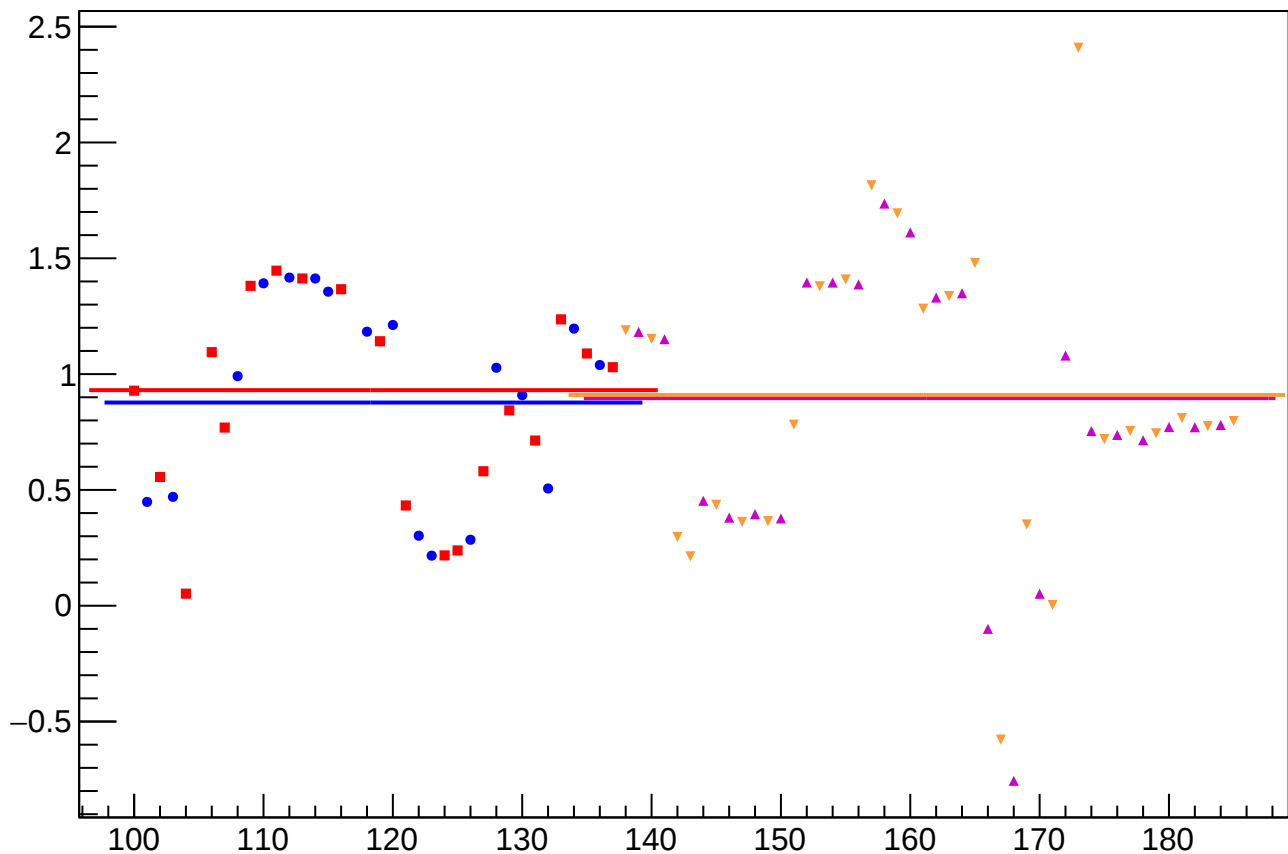
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF: 864147.6/22

+ sign 0.035 $\pm$ 0.000 χ^2 /NDF: 1023575.7/41

All: 0.035 $\pm$ 0.000 χ^2 /NDF: 2183971.3/83

- sign 0.036 $\pm$ 0.000 χ^2 /NDF: 1144727.9/41

yield_bpm12Y_mean vs Slug



Right In: 0.877 ± 0.000 χ^2/NDF : 6492530367.5/16

Left Out: 0.910 ± 0.000 χ^2/NDF : 83556205223.6/24

Right Out: 0.931 ± 0.000 χ^2/NDF : 9963132374.2/18

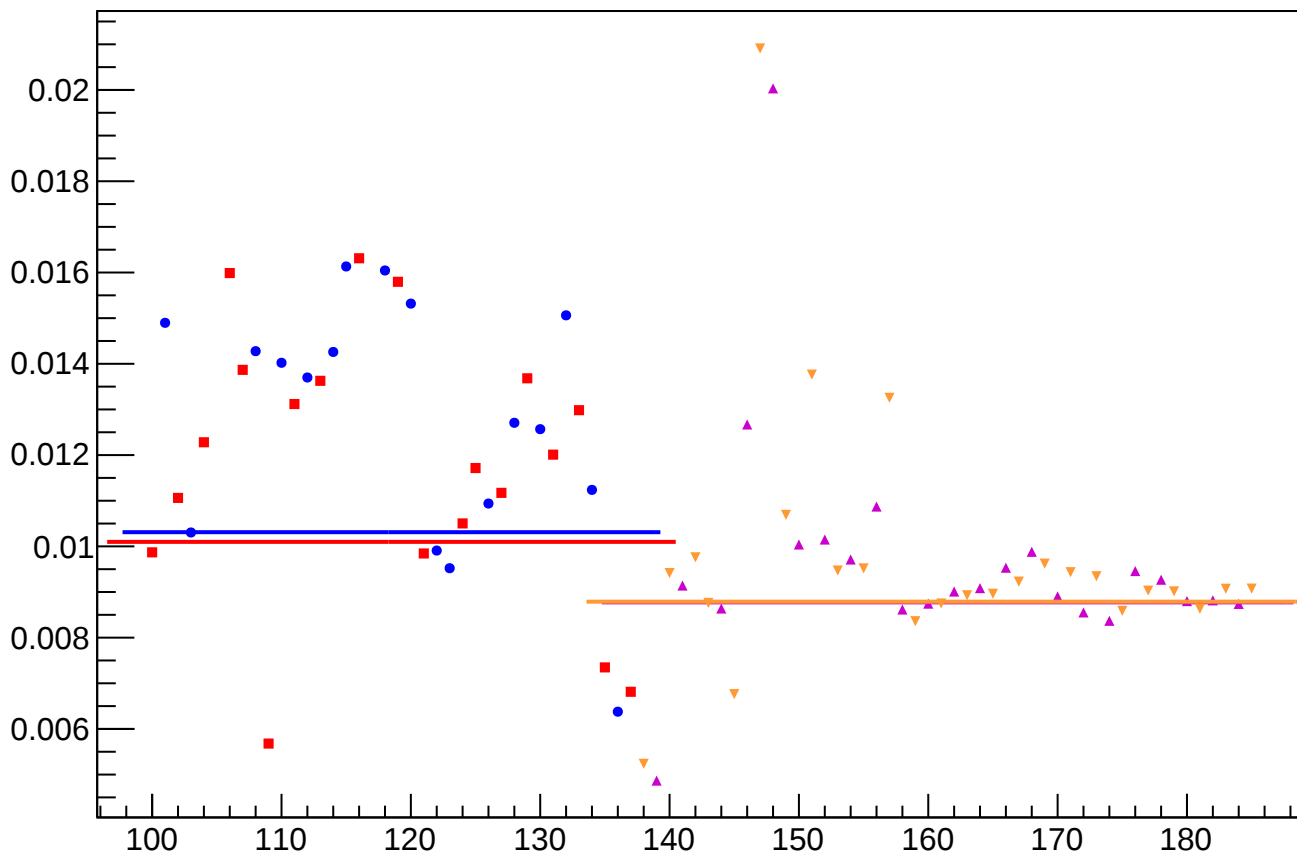
Left In: 0.896 ± 0.000 χ^2/NDF : 66594200889.6/22

+ sign 0.904 ± 0.000 χ^2/NDF : 90094407622.5/41

All: 0.904 ± 0.000 χ^2/NDF : 166705158669.1

- sign 0.904 ± 0.000 χ^2/NDF : 76610750644.7/41

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1229309.4/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1698805.0/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1175272.9/18

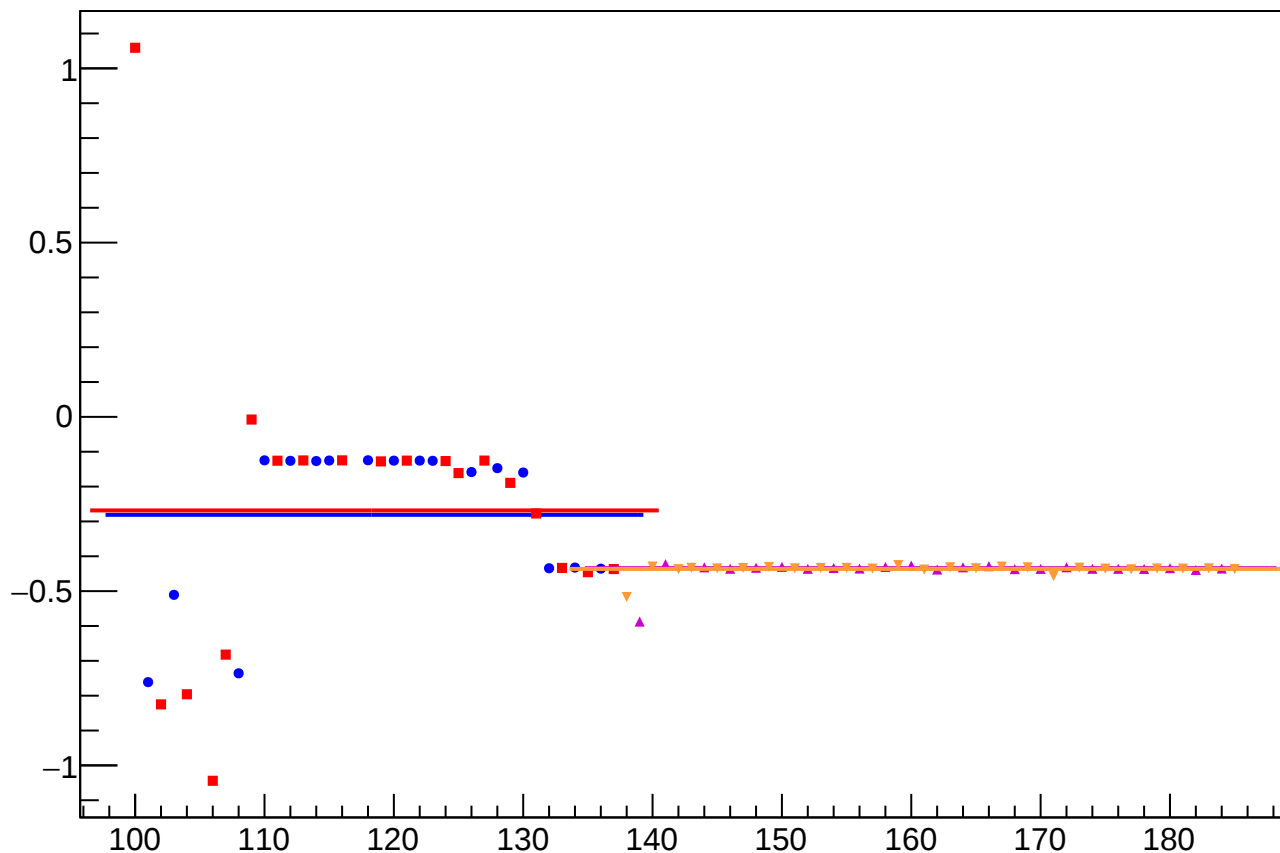
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1607939.0/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3124175.3/41

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6064432.4/83

- sign 0.009 $\pm$ 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 : 28786555.1/24

Right Out: -0.268 ± 0.000 χ^2/NDF : 967576606.4/18

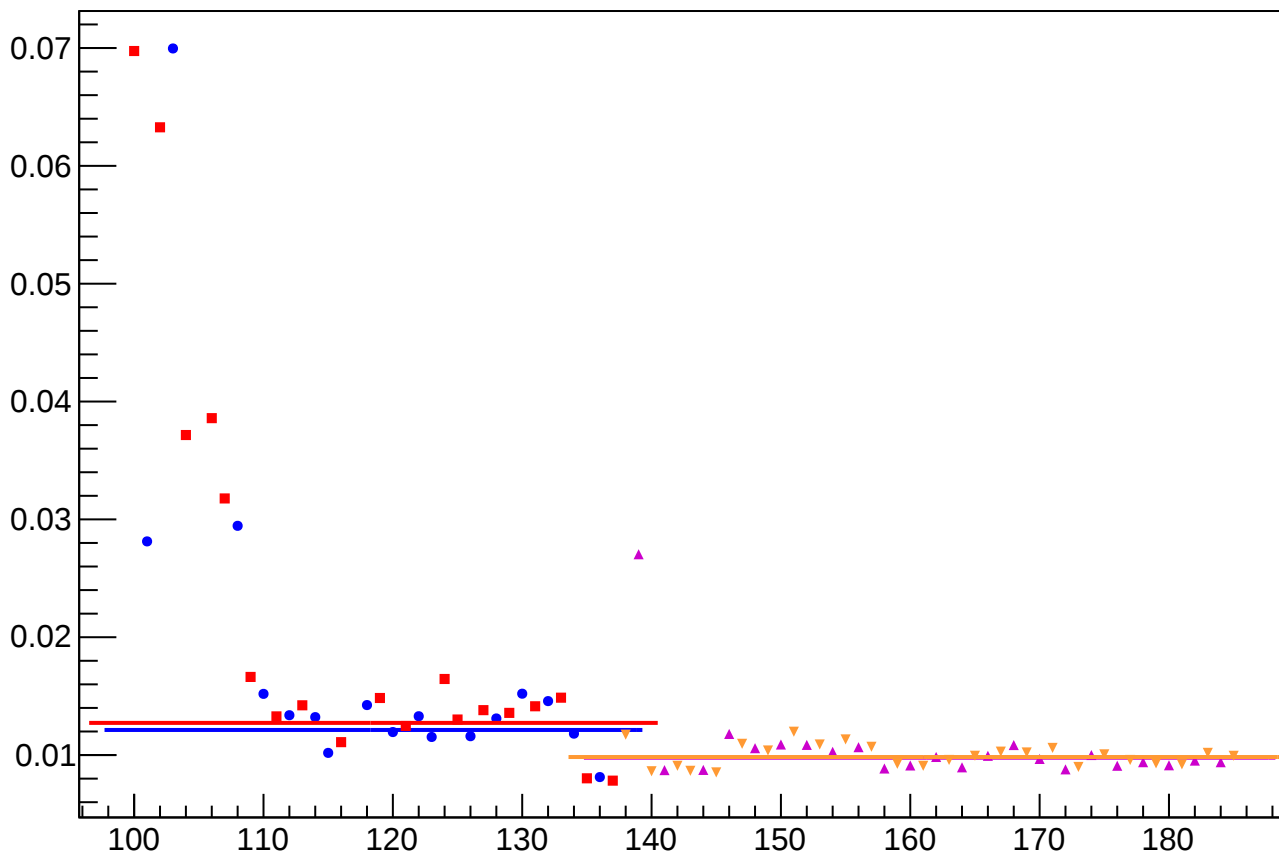
Left In: -0.434 ± 0.000 χ^2/NDF : 23984173.0/22

+ sign -0.410 ± 0.000 χ^2/NDF : 1576596141.4/41

All: -0.409 ± 0.000 χ^2/NDF : 3253211101.9/8

- 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: 261856.0/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1970038.2/18

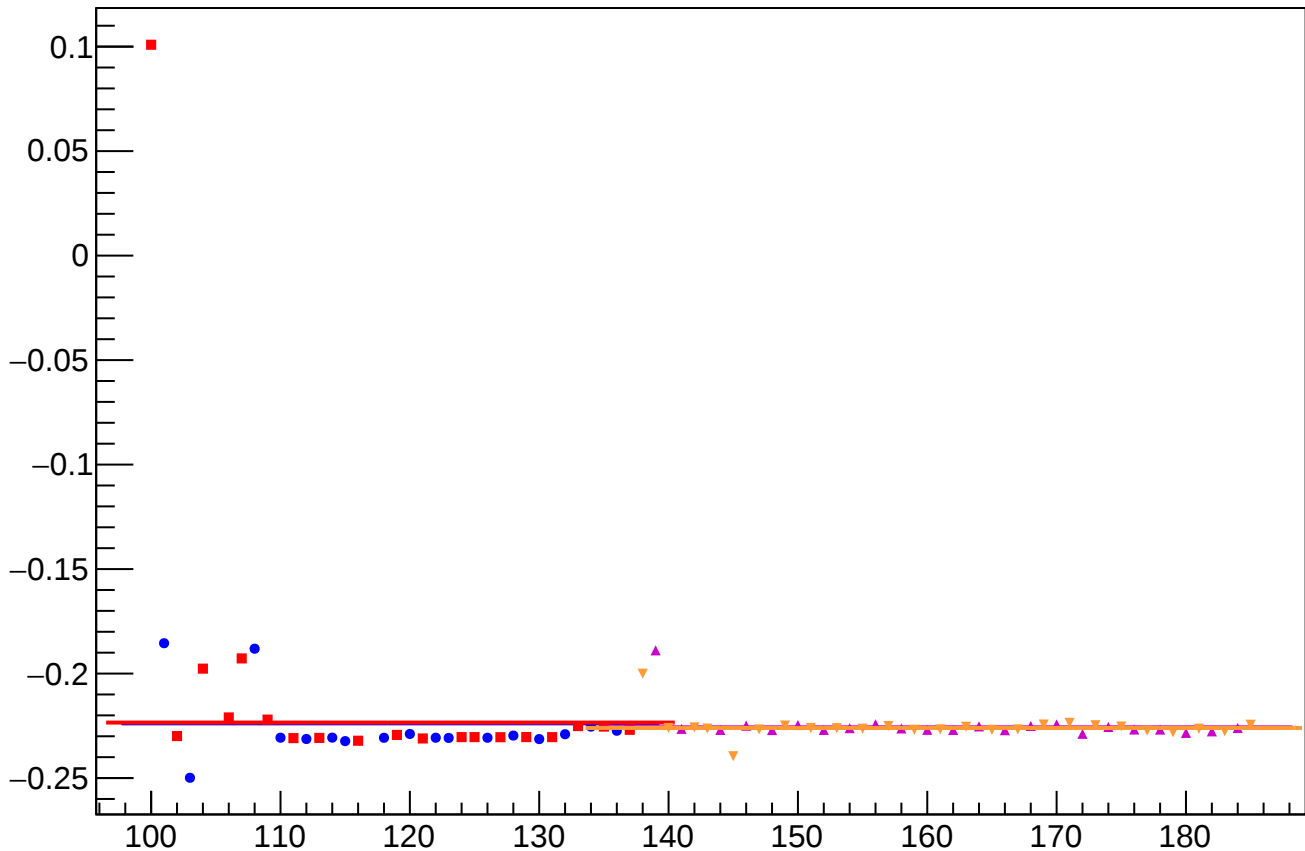
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 747550.0/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 2267856.4/41

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 5421057.9/83

- 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 : 21203245.5/24

Right Out: -0.223+/-0.000 χ^2/NDF : 167796311.6/18

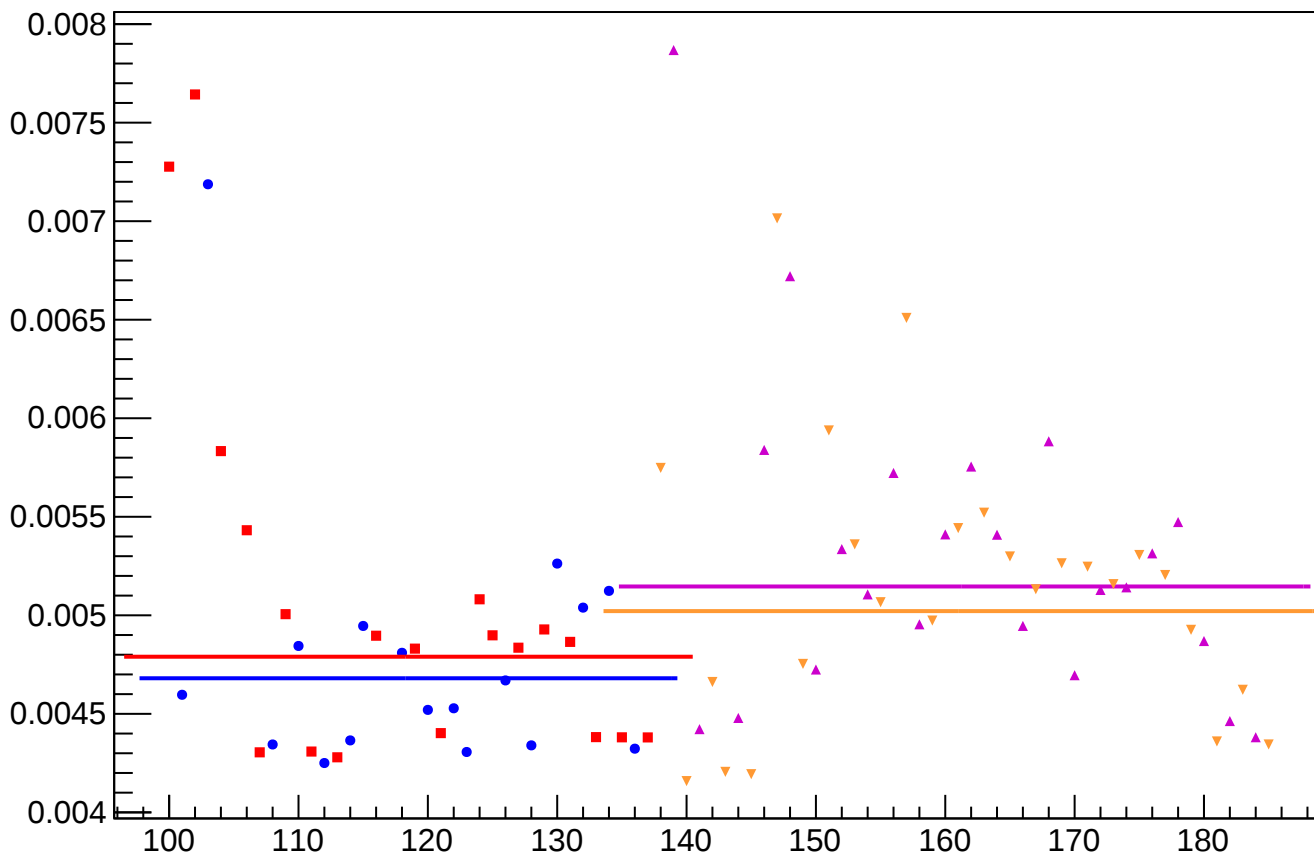
Left In: -0.226+/-0.000 χ^2/NDF : 15245251.1/22

+ sign -0.225+/-0.000 χ^2/NDF : 96460002.7/41

All: -0.225+/-0.000 χ^2/NDF : 280558696.2/83

- 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 : 520959.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 248518.8/18

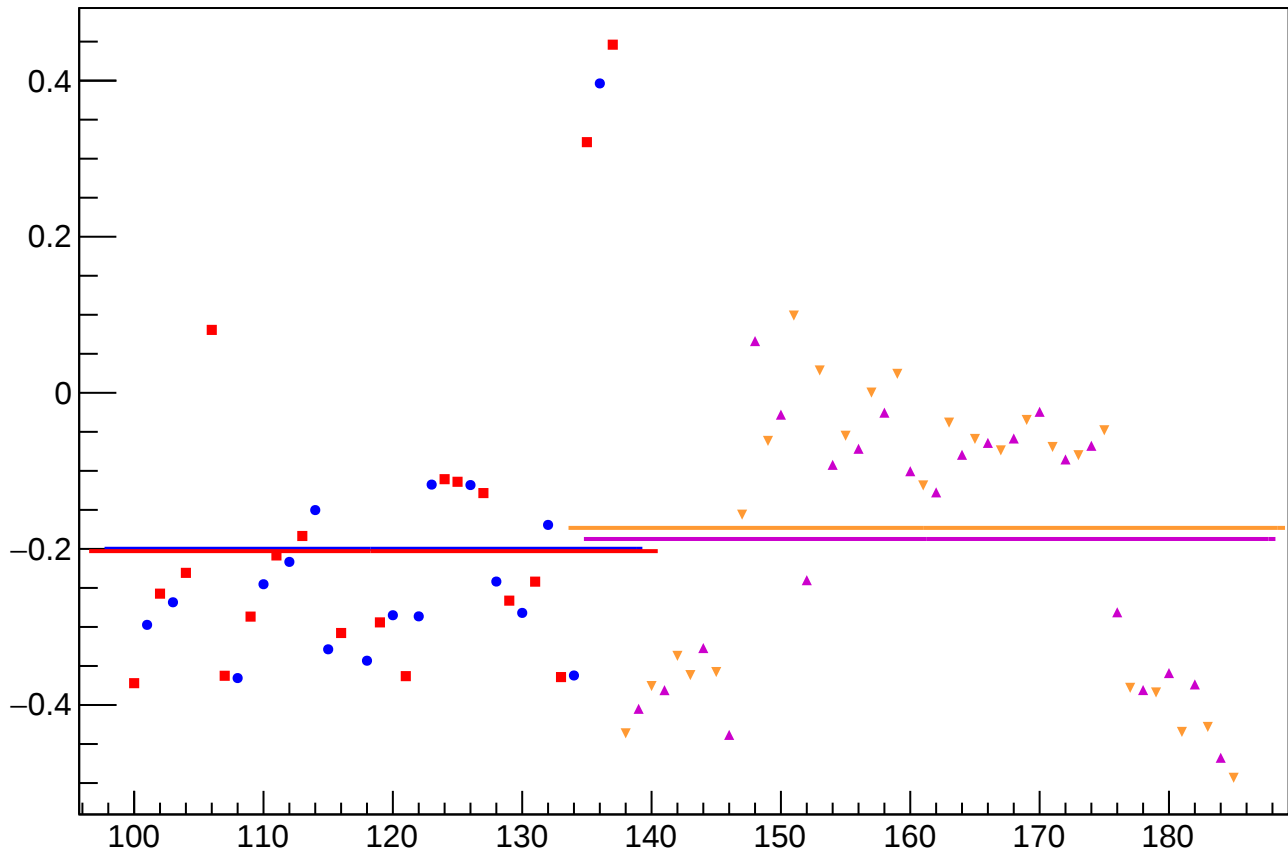
Left In: 0.005+/-0.000 χ^2/NDF : 493107.7/22

+ sign 0.005+/-0.000 χ^2/NDF : 747016.0/41

All: 0.005+/-0.000 χ^2/NDF : 1548861.6/83

- 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: -0.173+/-0.000 χ^2/NDF : 17863485955.9/24

Right Out: -0.203+/-0.000 χ^2/NDF : 5025528680.0/18

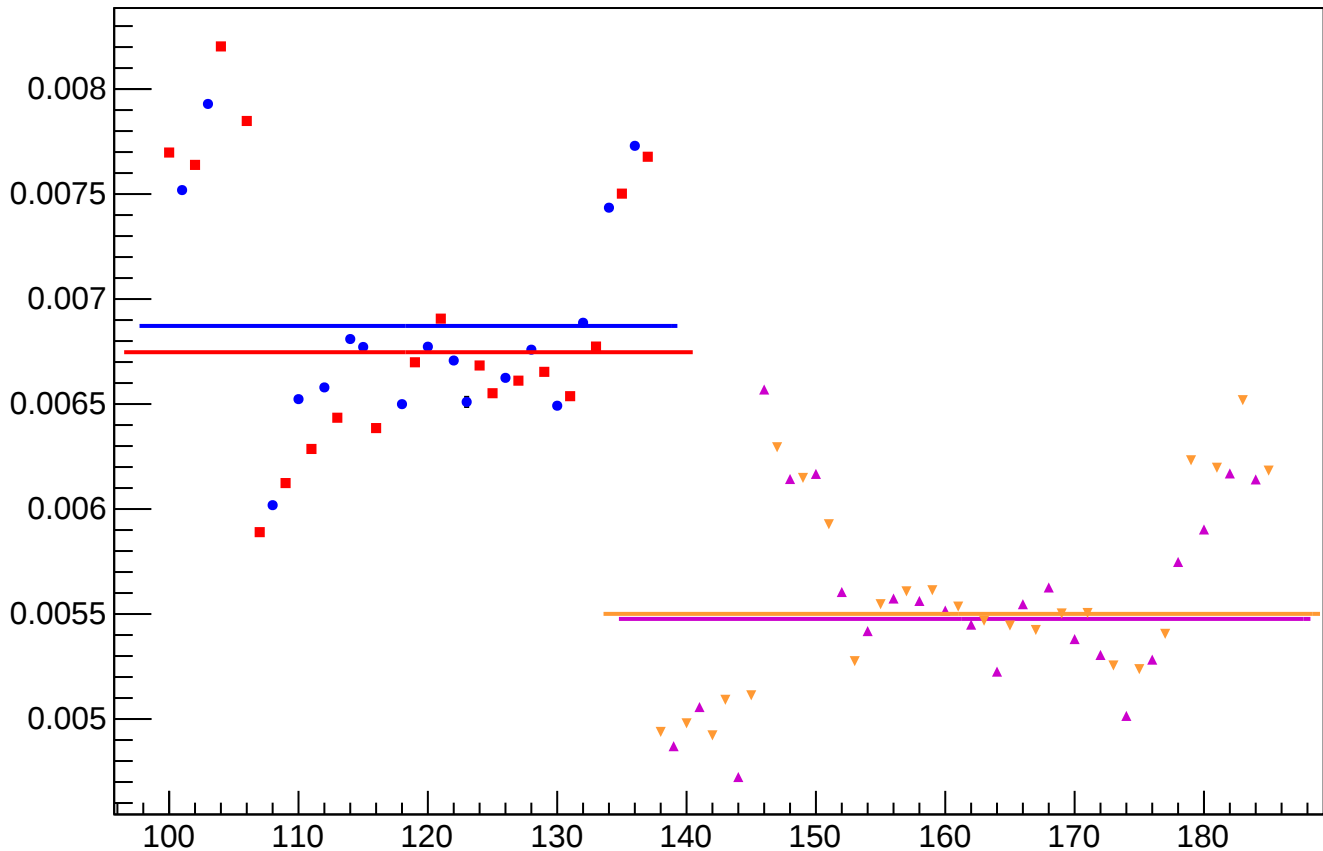
Left In: -0.187+/-0.000 χ^2/NDF : 12816646575.4/22

+ sign -0.178+/-0.000 χ^2/NDF : 23909526292.0/41

All: -0.184+/-0.000 χ^2/NDF : 41834265049.1/41

- 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: 0.006+/-0.000 χ^2/NDF : 196689.0/24

Right Out: 0.007+/-0.000 χ^2/NDF : 105420.2/18

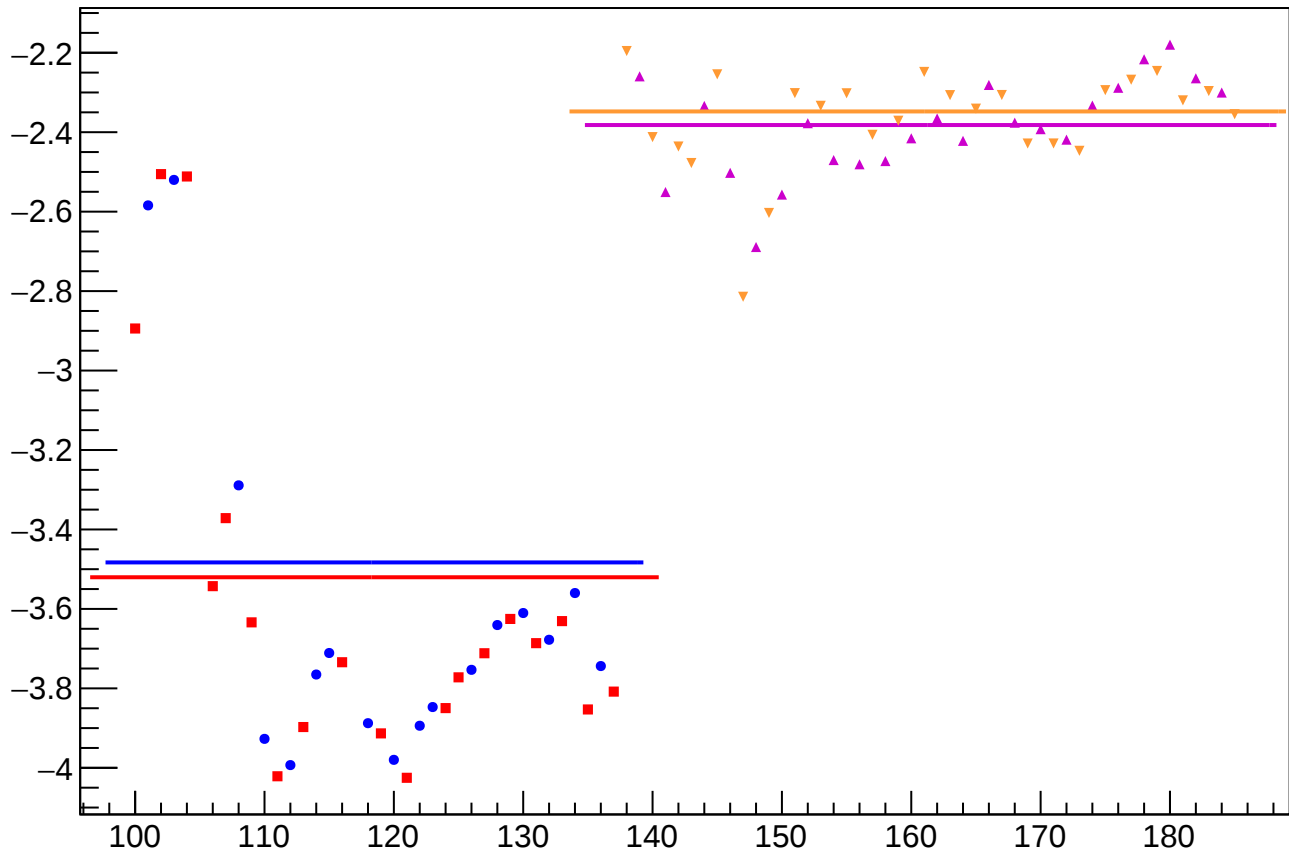
Left In: 0.005+/-0.000 χ^2/NDF : 202181.4/22

+ sign 0.006+/-0.000 χ^2/NDF : 694850.4/41

All: 0.006+/-0.000 χ^2/NDF : 1383600.2/83

- 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 : 2137408271.6/24

+ sign -2.698+/-0.000 χ^2/NDF : 118429138821.3/41

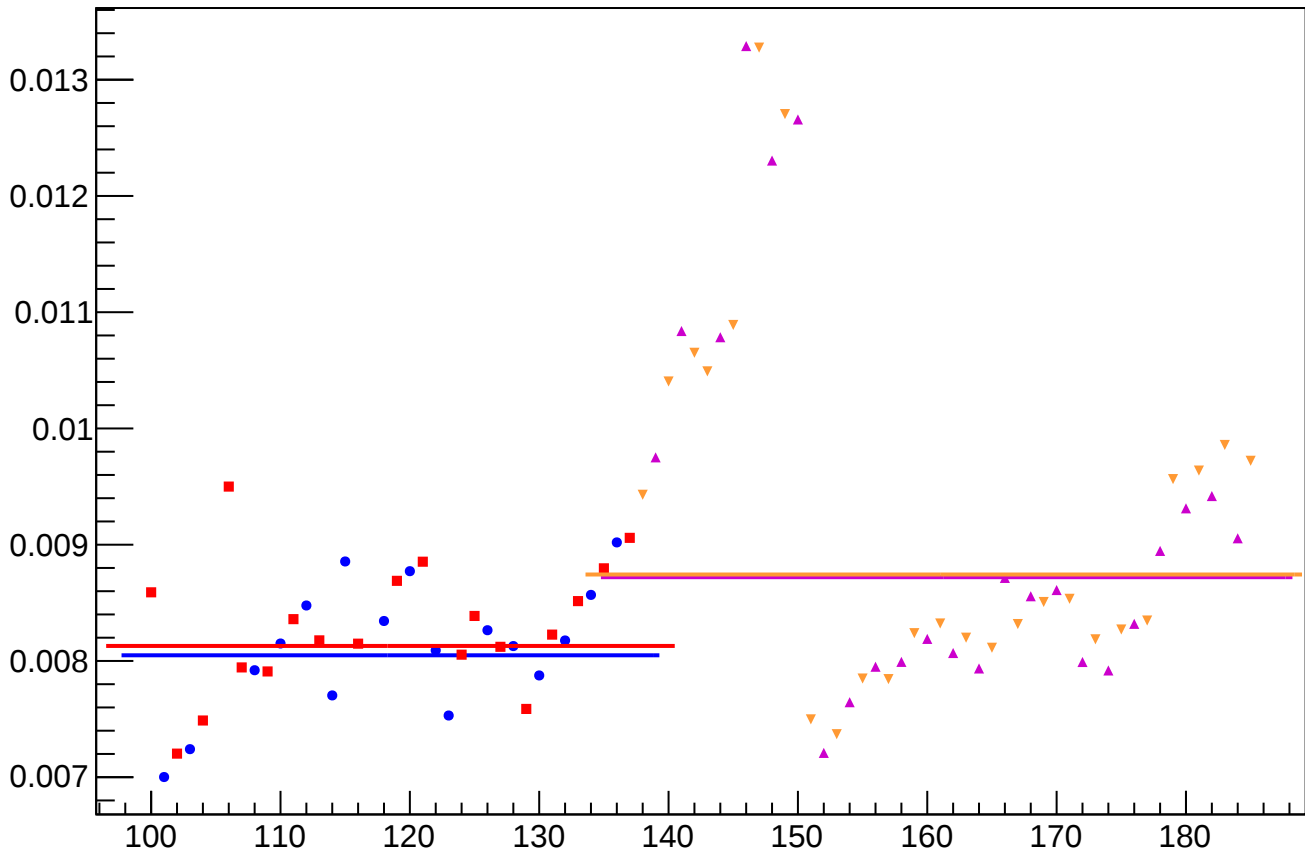
Right Out: -3.520+/-0.000 χ^2/NDF : 26453336521.2/18

All: -2.724+/-0.000 χ^2/NDF : 237153819763.6

Left In: -2.382+/-0.000 χ^2/NDF : 2318395228.4/22

- 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 : 657468.0/24

Right Out: 0.008+/-0.000 χ^2/NDF : 57777.8/18

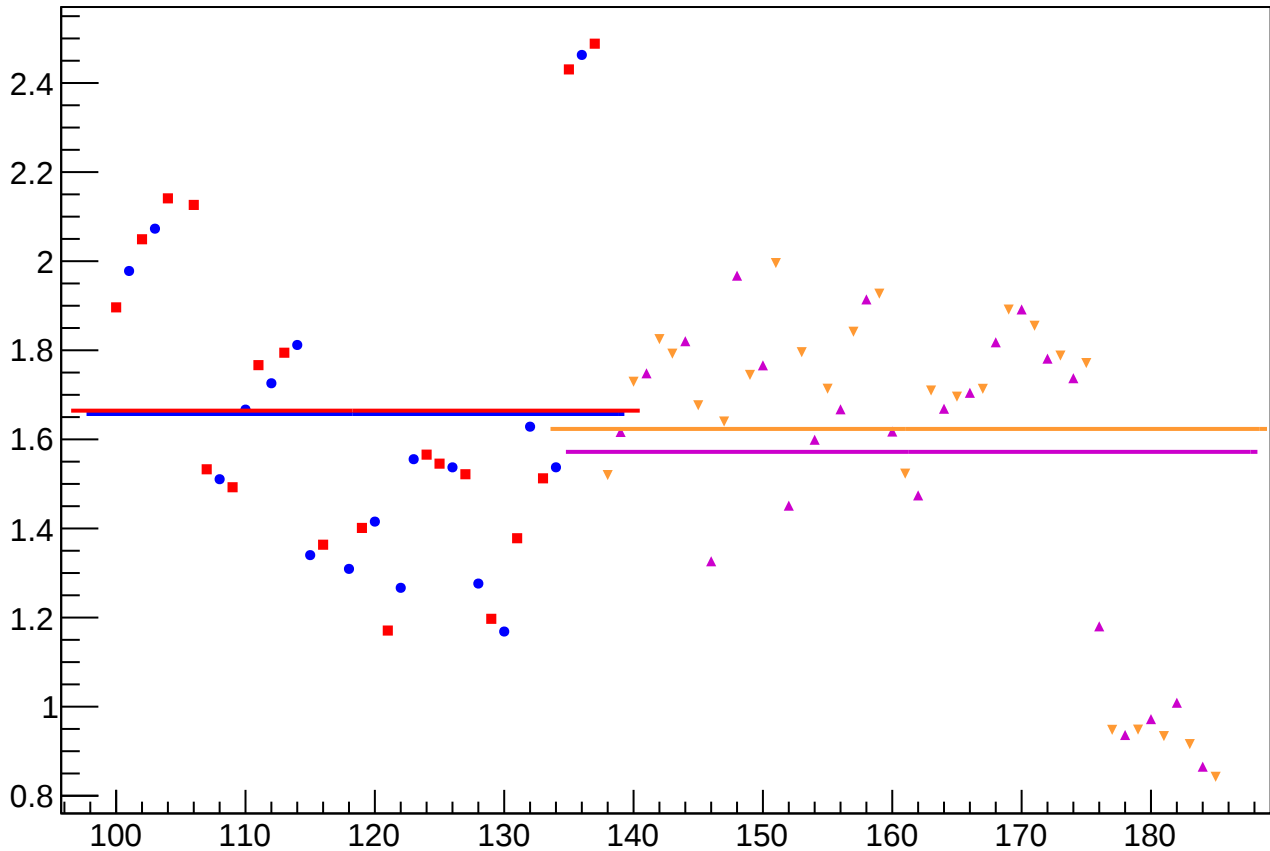
Left In: 0.009+/-0.000 χ^2/NDF : 747867.0/22

+ sign 0.009+/-0.000 χ^2/NDF : 796455.4/41

All: 0.009+/-0.000 χ^2/NDF : 1650422.7/83

- 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: 1.623 $\pm$ 0.000 χ^2 /NDF: 16593275159.9/24

Right Out: 1.664 $\pm$ 0.000 χ^2 /NDF: 5940917748.5/18

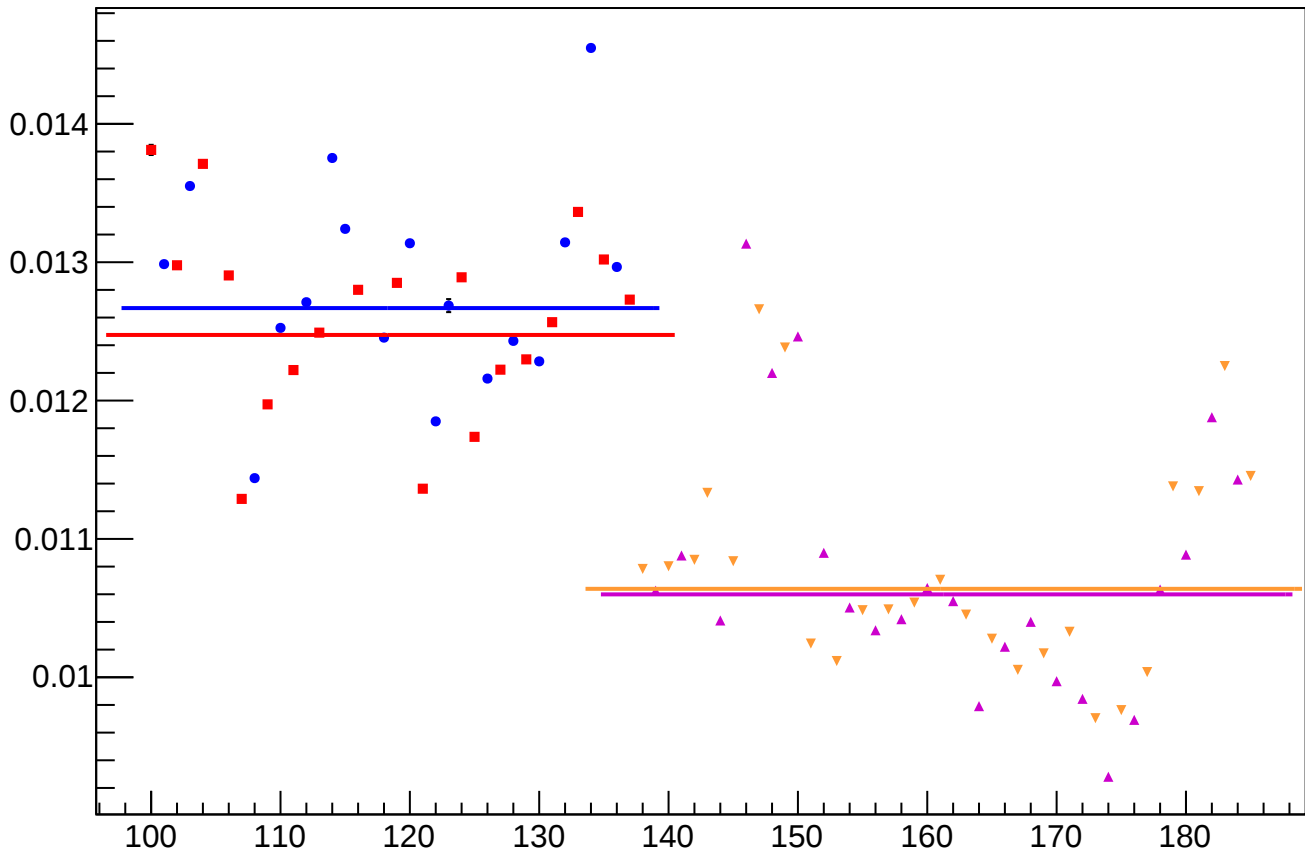
Left In: 1.572 $\pm$ 0.000 χ^2 /NDF: 14230484809.4/22

+ sign 1.630 $\pm$ 0.000 χ^2 /NDF: 23061913816.1/41

All: 1.612 $\pm$ 0.000 χ^2 /NDF: 43658010750.7/8

- 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 :159994.5/24

Right Out: 0.012+/-0.000 χ^2/NDF : 38559.4/18

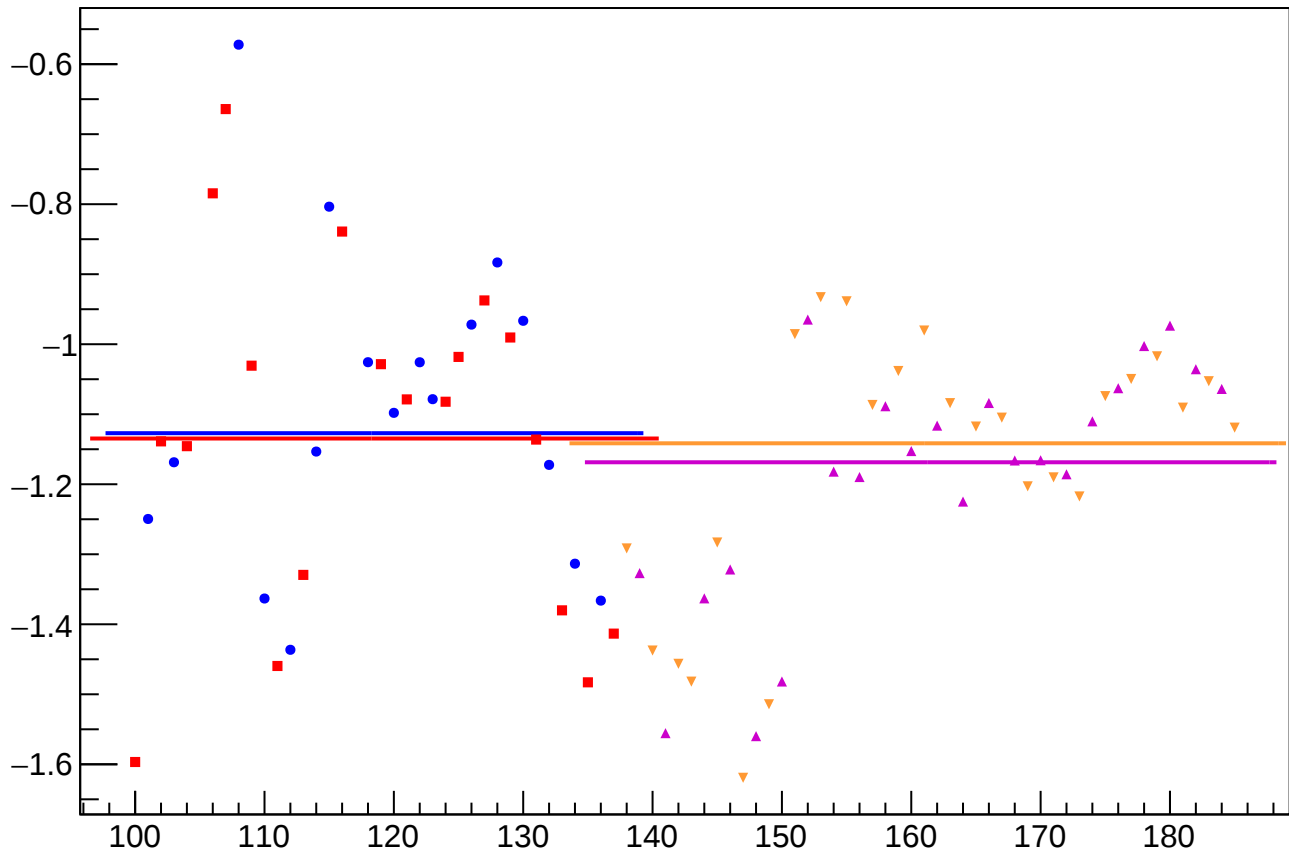
Left In: 0.011+/-0.000 χ^2/NDF :204531.5/22

+ sign 0.011+/-0.000 χ^2/NDF : 457381.4/41

All: 0.011+/-0.000 χ^2/NDF : 939575.1/83

- sign 0.011+/-0.000 χ^2/NDF : 482008.9/41

yield_bpm0i02aY_mean vs Slug



Right In: -1.127 $\pm$ 0.000 χ^2 /NDF: 3546179478.6/16

Left Out: -1.142 $\pm$ 0.000 χ^2 /NDF: 7781802064.1/24

Right Out: -1.135 $\pm$ 0.000 χ^2 /NDF: 3674870672.6/18

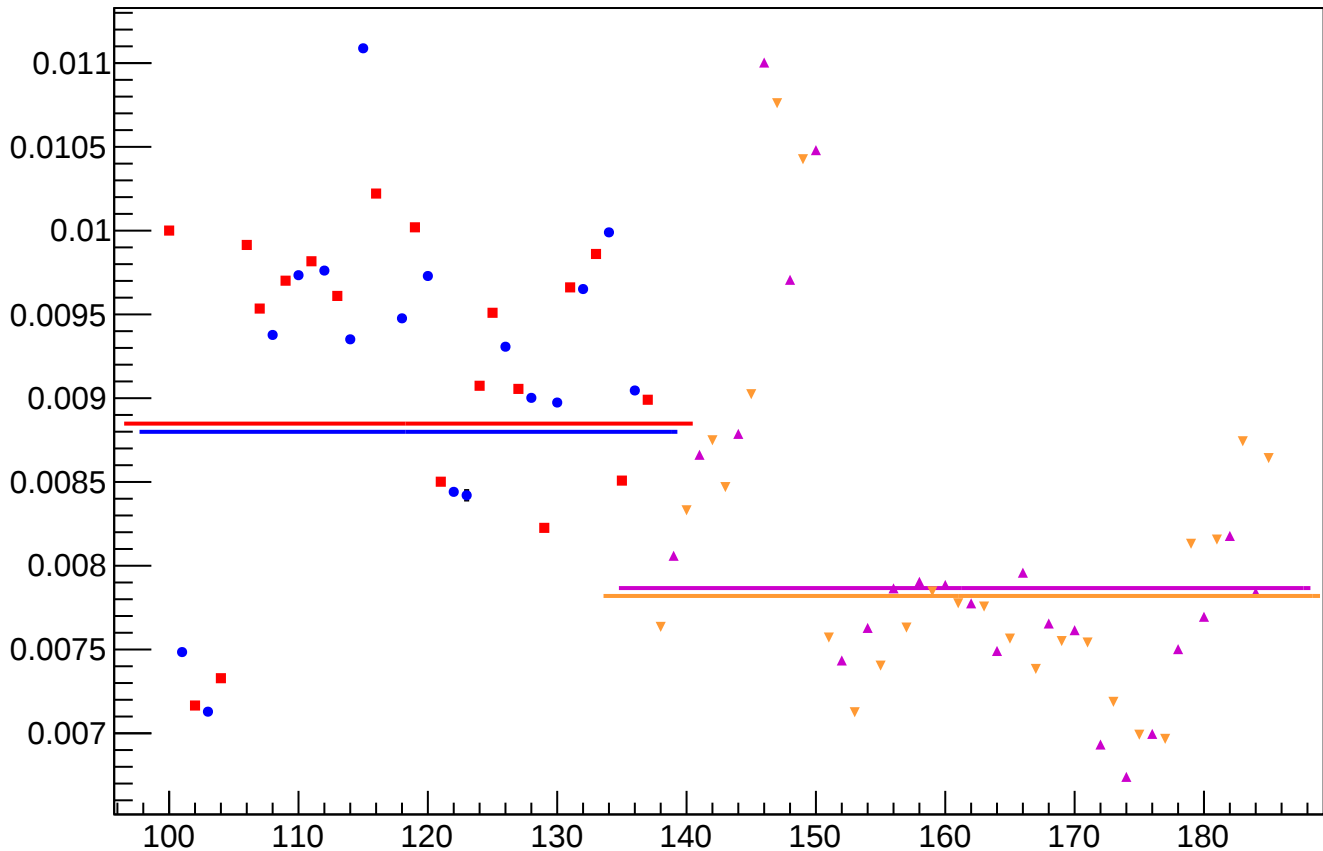
Left In: -1.169 $\pm$ 0.000 χ^2 /NDF: 6362643368.6/22

+ sign -1.138 $\pm$ 0.000 χ^2 /NDF: 11341213933.5/41

All: -1.149 $\pm$ 0.000 χ^2 /NDF: 21538603012.3/41

- sign -1.160 $\pm$ 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 : 335206.2/24

Right Out: 0.009+/-0.000 χ^2/NDF : 174016.9/18

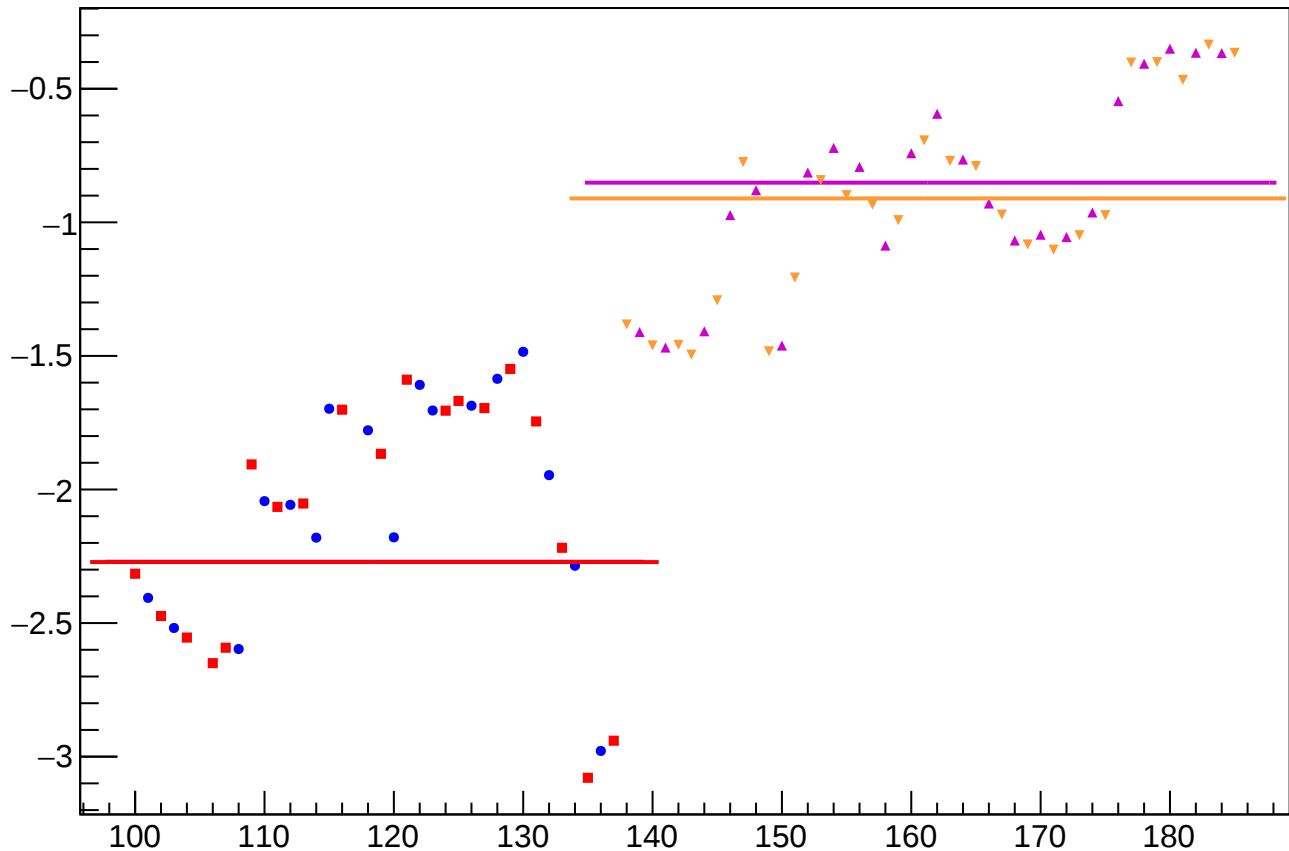
Left In: 0.008+/-0.000 χ^2/NDF : 379901.3/22

+ sign 0.008+/-0.000 χ^2/NDF : 608352.8/41

All: 0.008+/-0.000 χ^2/NDF : 1286465.9/83

- 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: -0.911+/-0.000 χ^2/NDF : 48569704069.9/24

Right Out: -2.272+/-0.000 χ^2/NDF : 19002792241.6/18

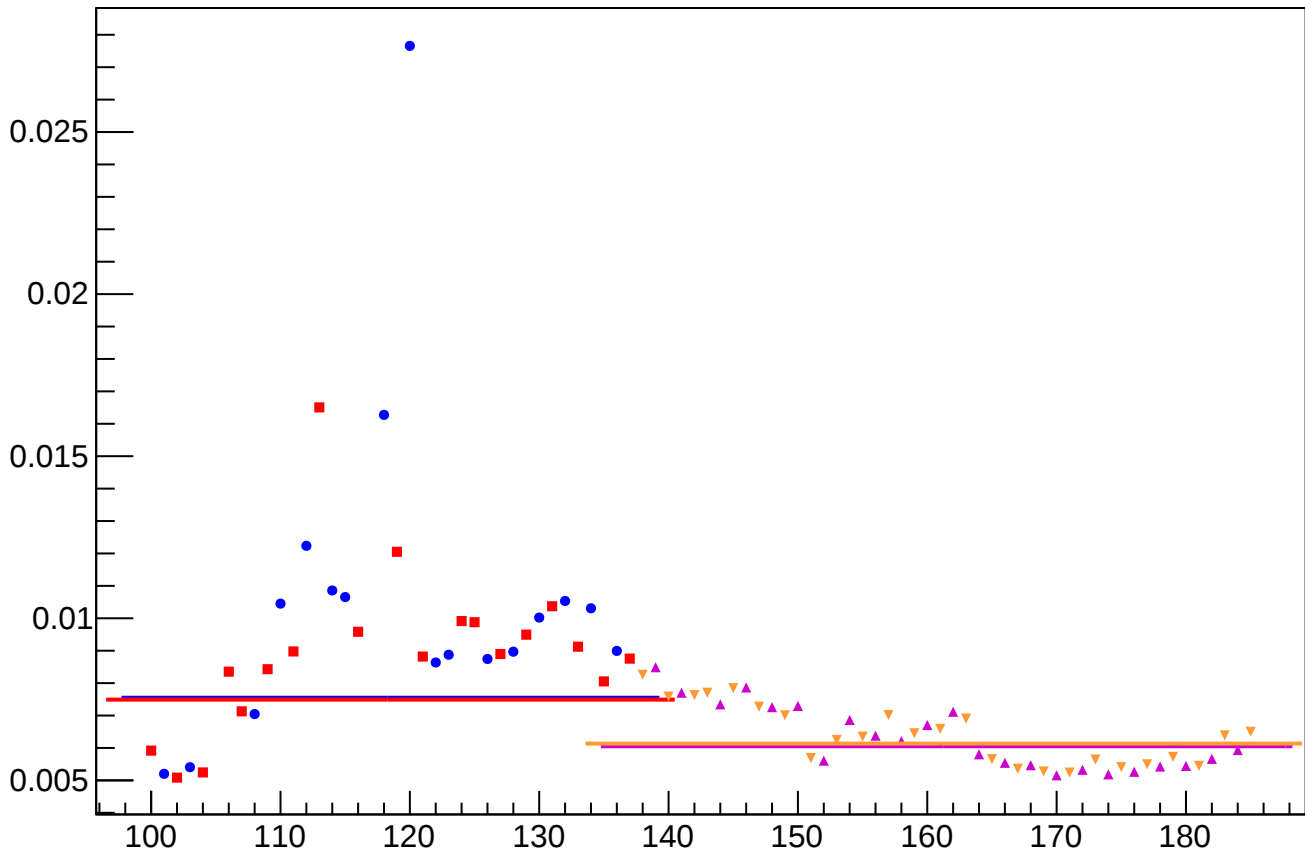
Left In: -0.851+/-0.000 χ^2/NDF : 46438446008.2/22

+ sign -1.136+/-0.000 χ^2/NDF : 201783688846.0/41

All: -1.126+/-0.000 χ^2/NDF : 430791653520.0

- 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 : 626214.6/24

Right Out: 0.007+/-0.000 χ^2/NDF : 926036.5/18

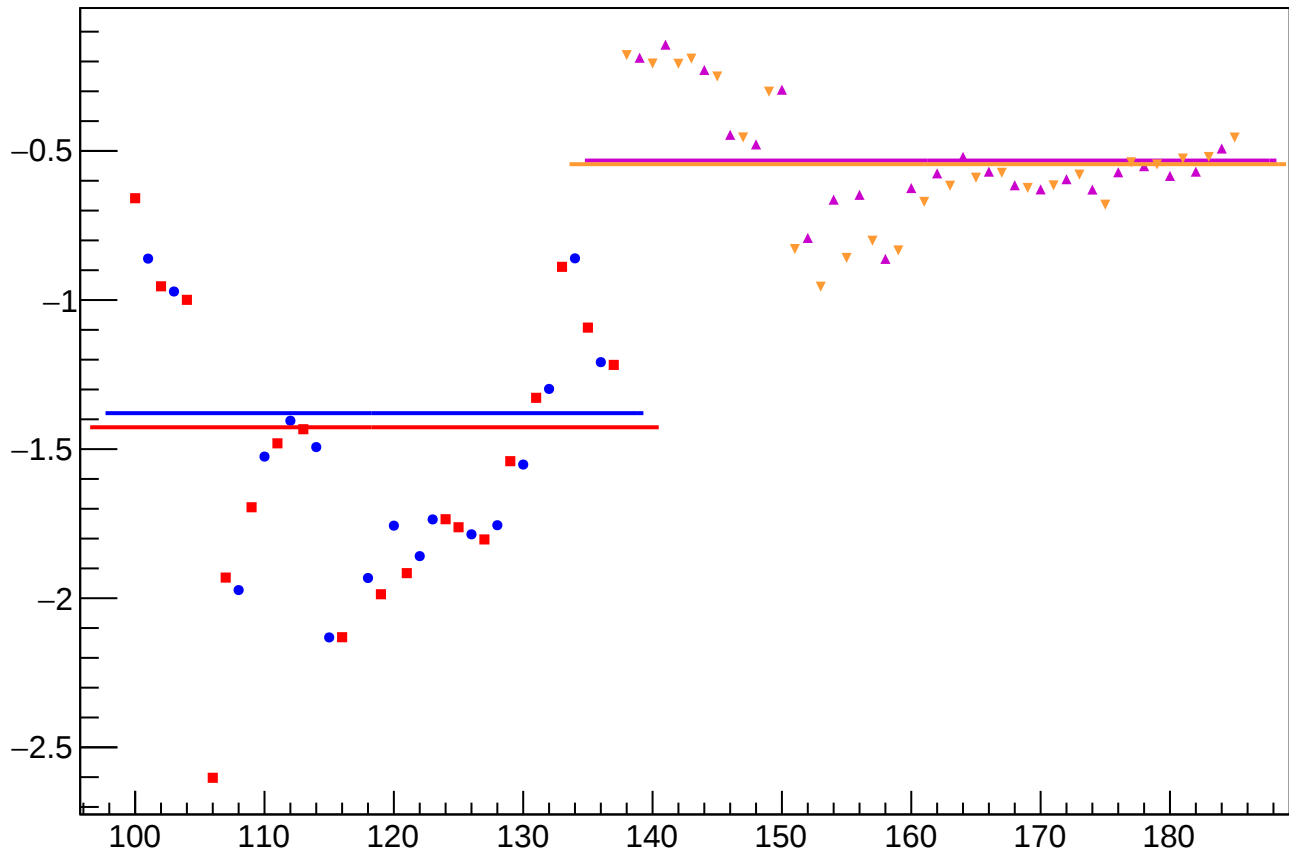
Left In: 0.006+/-0.000 χ^2/NDF : 697577.8/22

+ sign 0.006+/-0.000 χ^2/NDF : 2134879.9/41

All: 0.006+/-0.000 χ^2/NDF : 4095276.9/83

- 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: -0.544+/-0.000 χ^2/NDF : 46342528873.3/24

Right Out: -1.427+/-0.000 χ^2/NDF : 29588471982.5/18

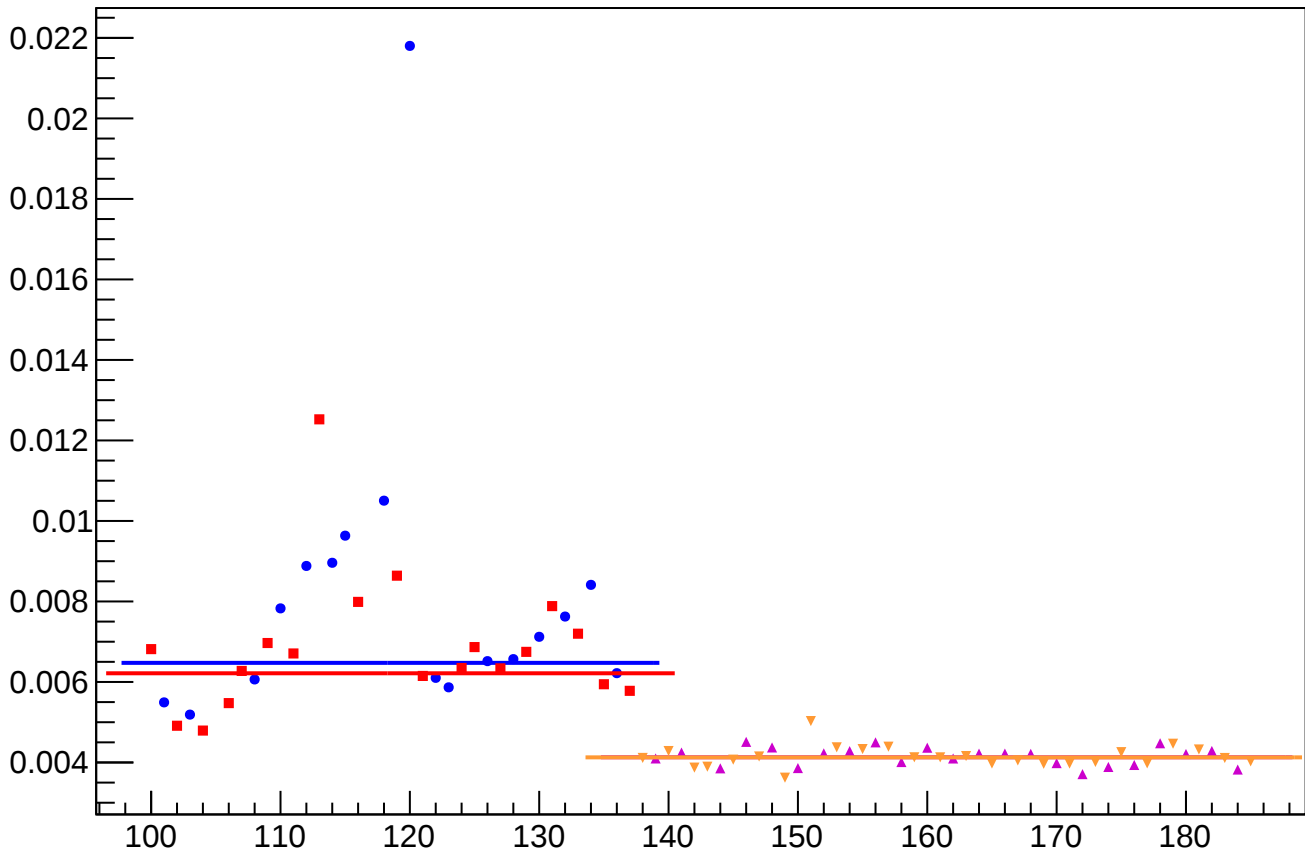
Left In: -0.532+/-0.000 χ^2/NDF : 30715235426.8/22

+ sign -0.641+/-0.000 χ^2/NDF : 146029845991.7/41

All: -0.649+/-0.000 χ^2/NDF : 310959351202.5

- 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 : 111458.7/24

Right Out: 0.006+/-0.000 χ^2/NDF : 418205.6/18

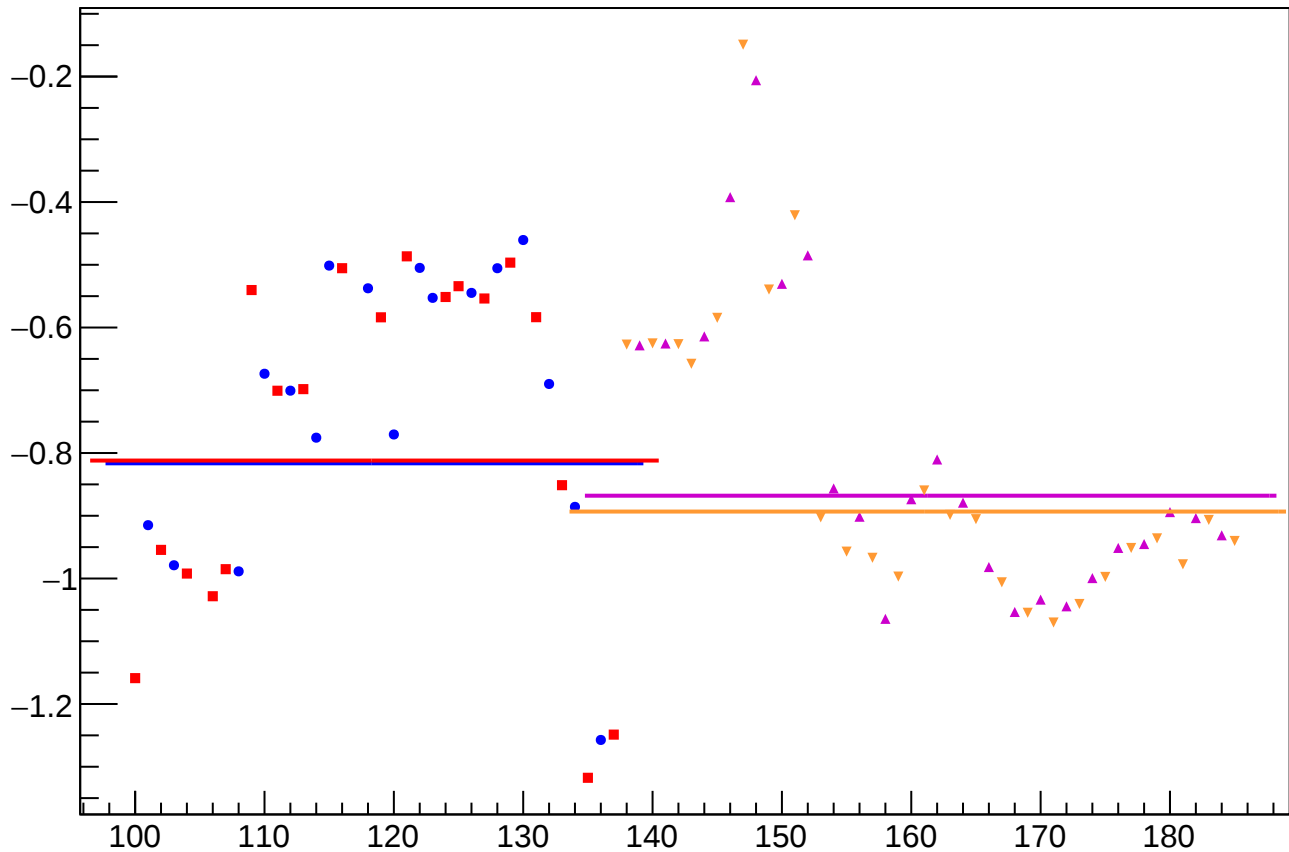
Left In: 0.004+/-0.000 χ^2/NDF : 93111.2/22

+ sign 0.004+/-0.000 χ^2/NDF : 1943192.8/41

All: 0.004+/-0.000 χ^2/NDF : 3591620.4/83

- 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 : 40616005401.9/24

Right Out: -0.812 ± 0.000 χ^2/NDF : 16809508448.8/18

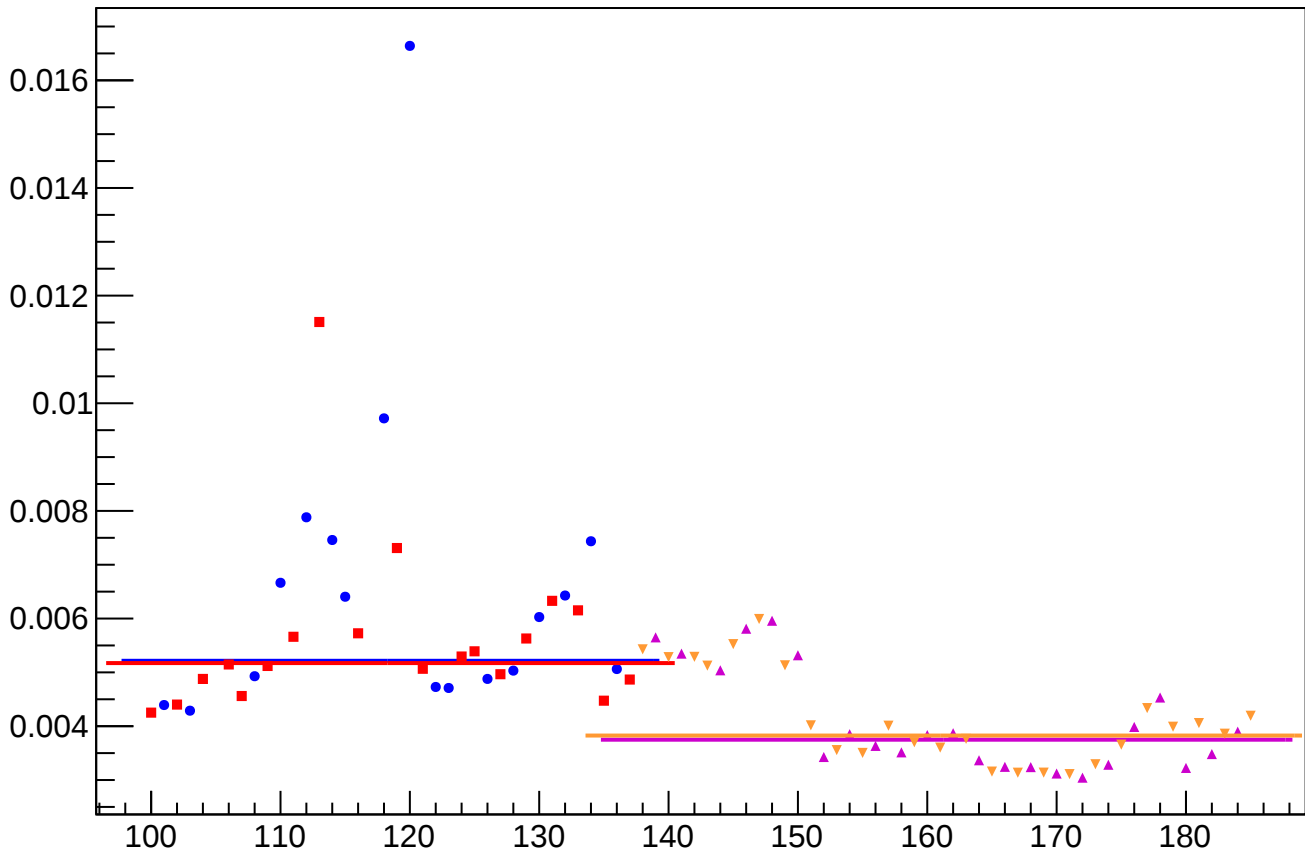
Left In: -0.868 ± 0.000 χ^2/NDF : 43853190177.2/22

+ sign -0.882 ± 0.000 χ^2/NDF : 55709830097.9/41

All: -0.870 ± 0.000 χ^2/NDF : 117307575836.2

- sign -0.859 ± 0.000 χ^2/NDF : 61242667783.7/41

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 662832.6/16

Left Out: 0.004+/-0.000 χ^2/NDF : 1161403.2/24

Right Out: 0.005+/-0.000 χ^2/NDF : 359707.6/18

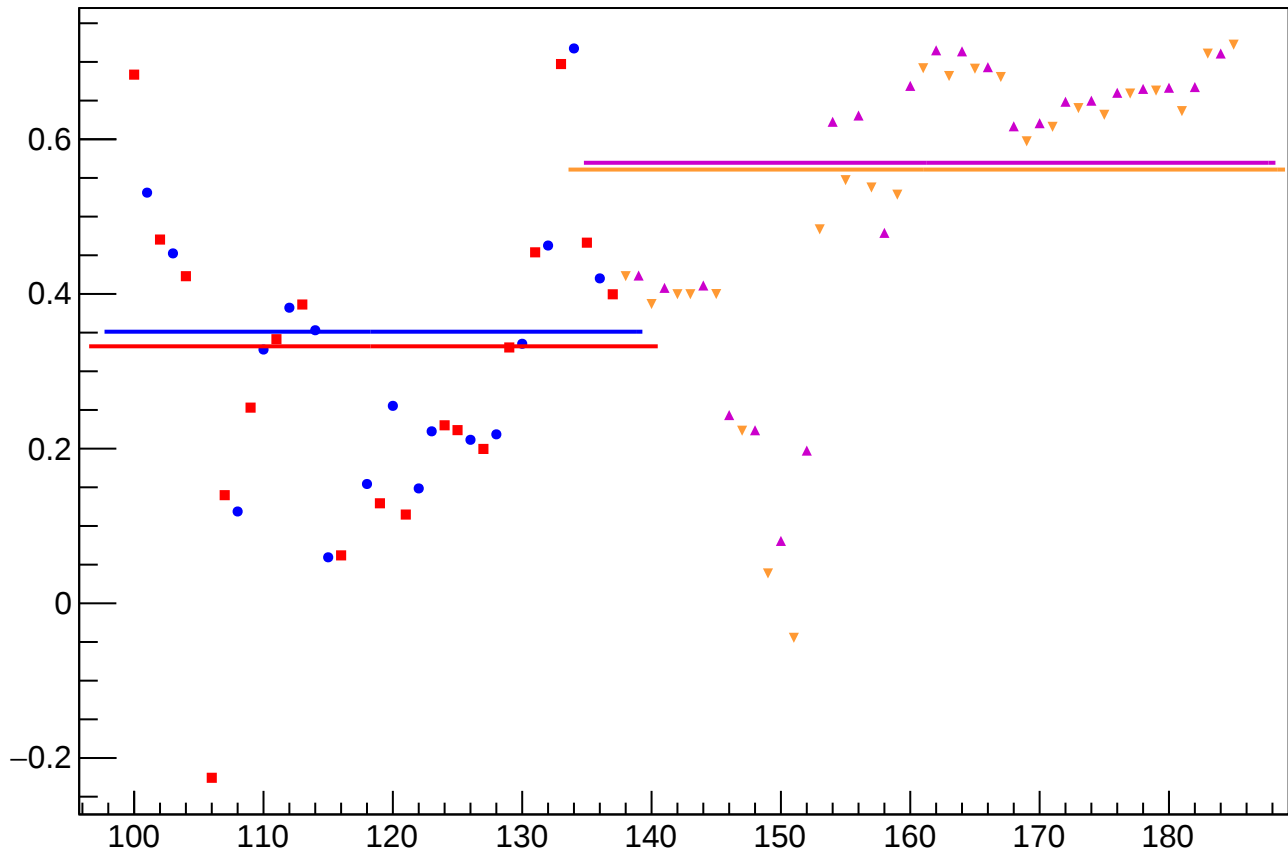
Left In: 0.004+/-0.000 χ^2/NDF : 1288490.4/22

+ sign 0.004+/-0.000 χ^2/NDF : 2467388.1/41

All: 0.004+/-0.000 χ^2/NDF : 4867687.6/83

- sign 0.004+/-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: 0.561+/-0.000 χ^2/NDF : 45052974608.3/24

Right Out: 0.332+/-0.000 χ^2/NDF : 11783358695.7/18

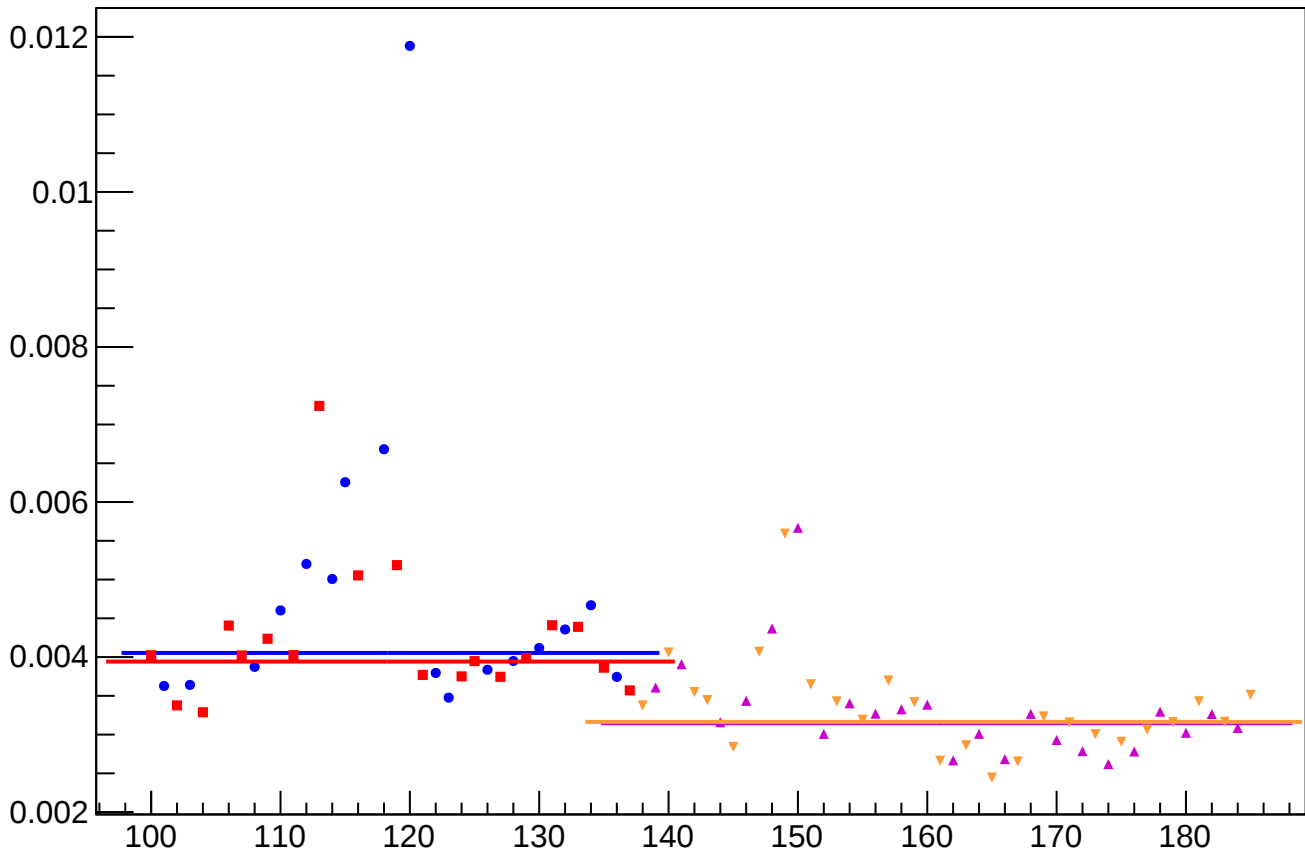
Left In: 0.570+/-0.000 χ^2/NDF : 42104067973.0/22

+ sign 0.524+/-0.000 χ^2/NDF : 64940342946.4/41

All: 0.523+/-0.000 χ^2/NDF : 136481706673.9

- 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: 741226.5/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 259219.7/18

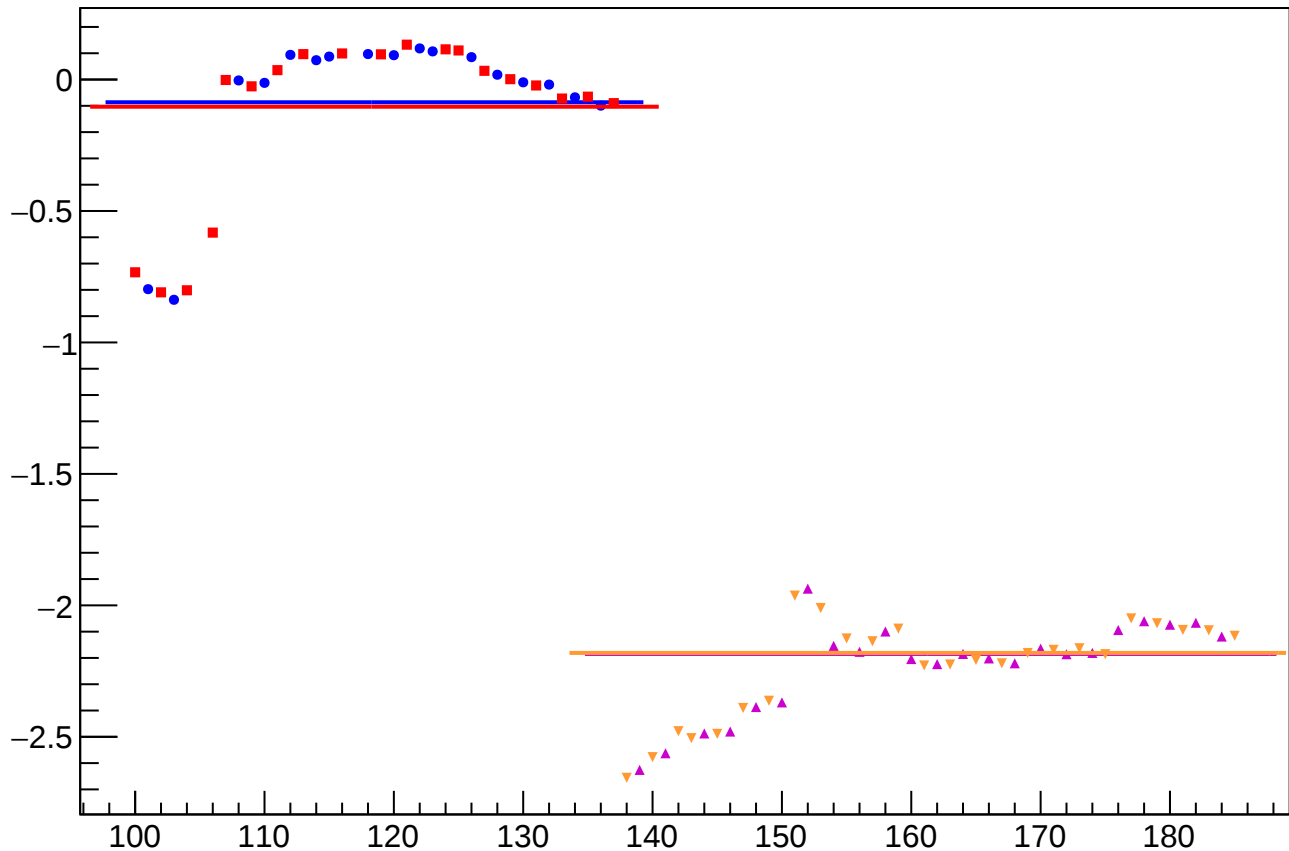
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 716402.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1645230.2/41

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3018225.9/83

- 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: -2.181 ± 0.000 χ^2/NDF : 3965712624.8/24

Right Out: -0.103 ± 0.000 χ^2/NDF : 5547327629.3/18

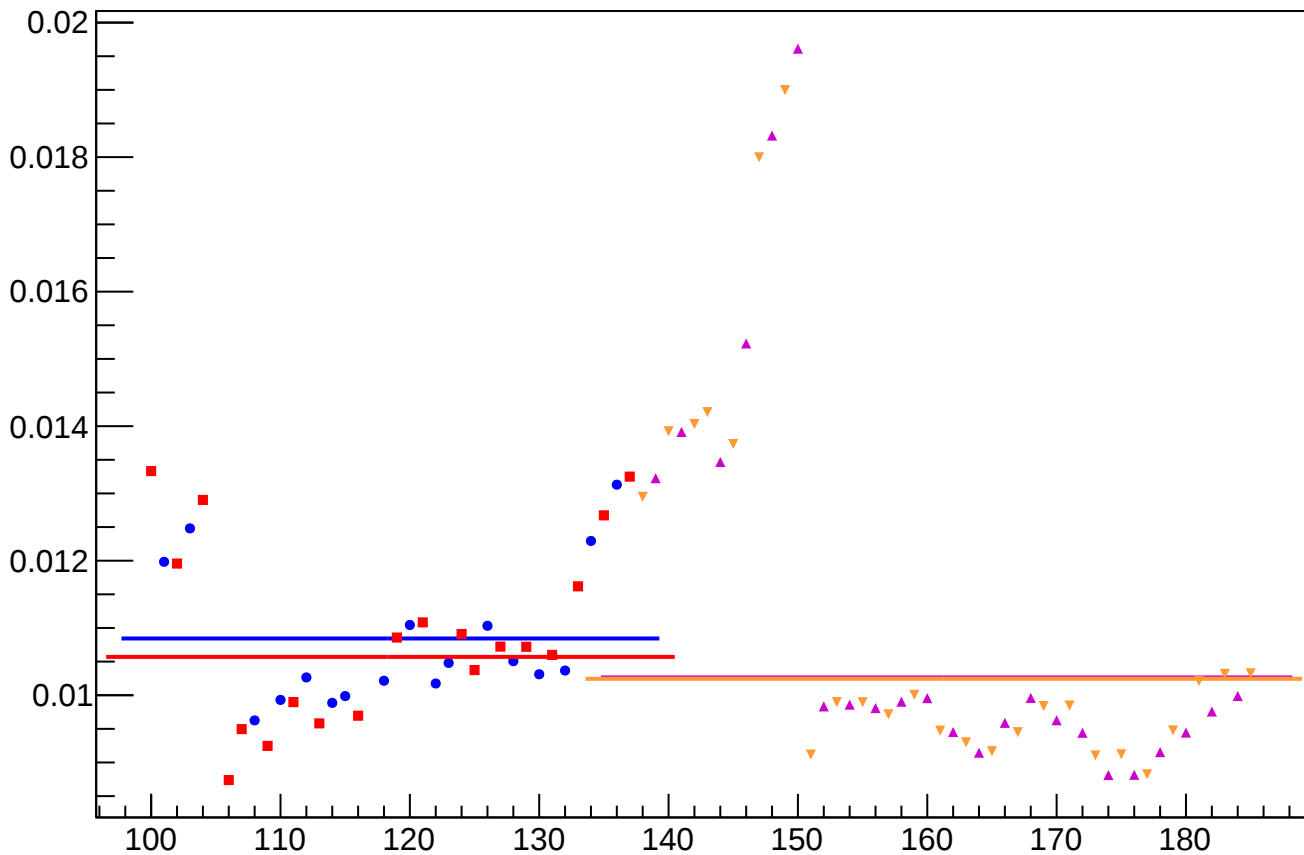
Left In: -2.185 ± 0.000 χ^2/NDF : 3372742534.3/22

+ sign -1.654 ± 0.000 χ^2/NDF : 193591544100.9/41

All: -1.623 ± 0.000 χ^2/NDF : 396911577428.8

- 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 :1254690.8/24

Right Out: 0.011+/-0.000 χ^2/NDF : 178759.8/18

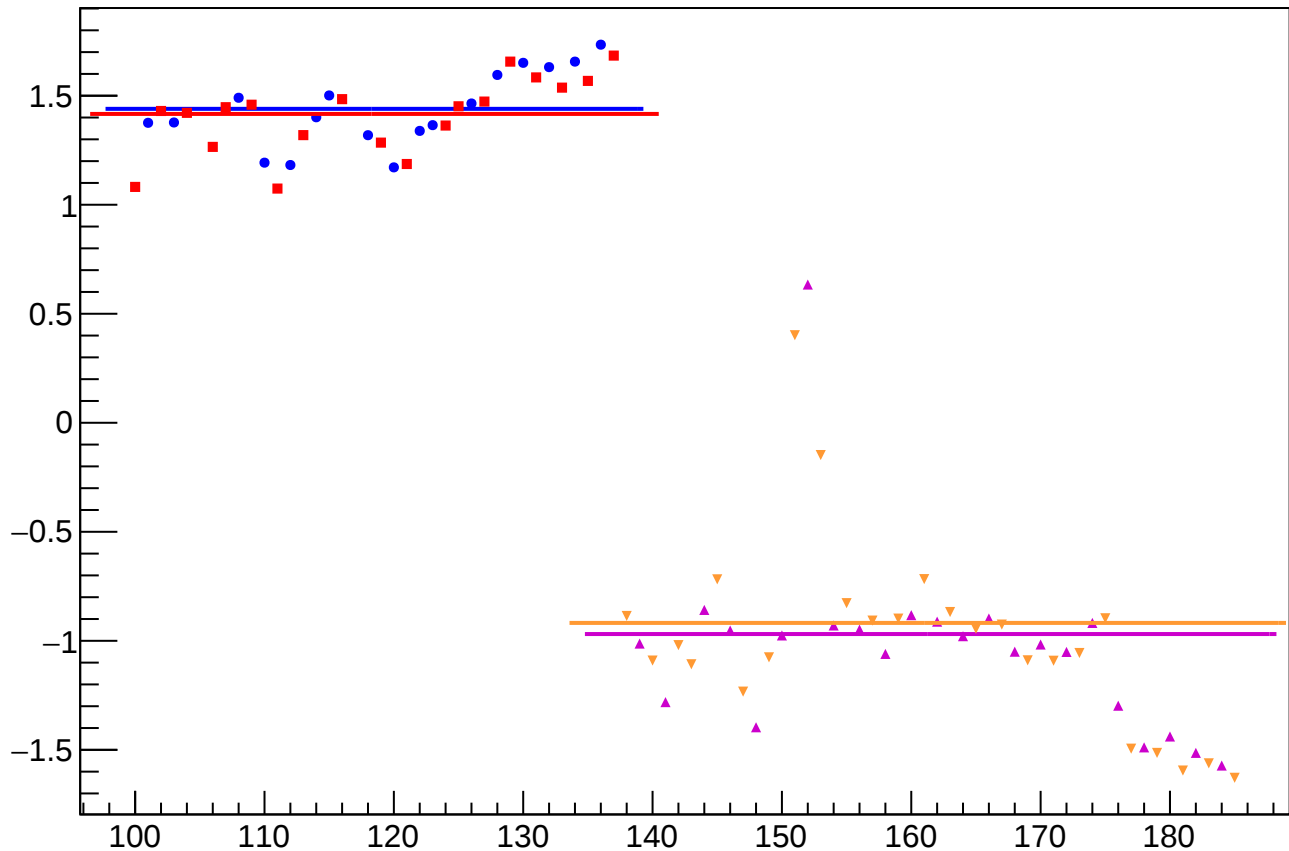
Left In: 0.010+/-0.000 χ^2/NDF :1340264.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 1409145.0/41

All: 0.010+/-0.000 χ^2/NDF : 2936945.7/83

- sign 0.010+/-0.000 χ^2/NDF : 1527378.1/41

yield_bpm1i02Y_mean vs Slug



Right In: 1.440+/-0.000 χ^2/NDF : 3439698839.5/16

Left Out: -0.918+/-0.000 χ^2/NDF : 55556757821.8/24

Right Out: 1.416+/-0.000 χ^2/NDF : 2670163204.9/18

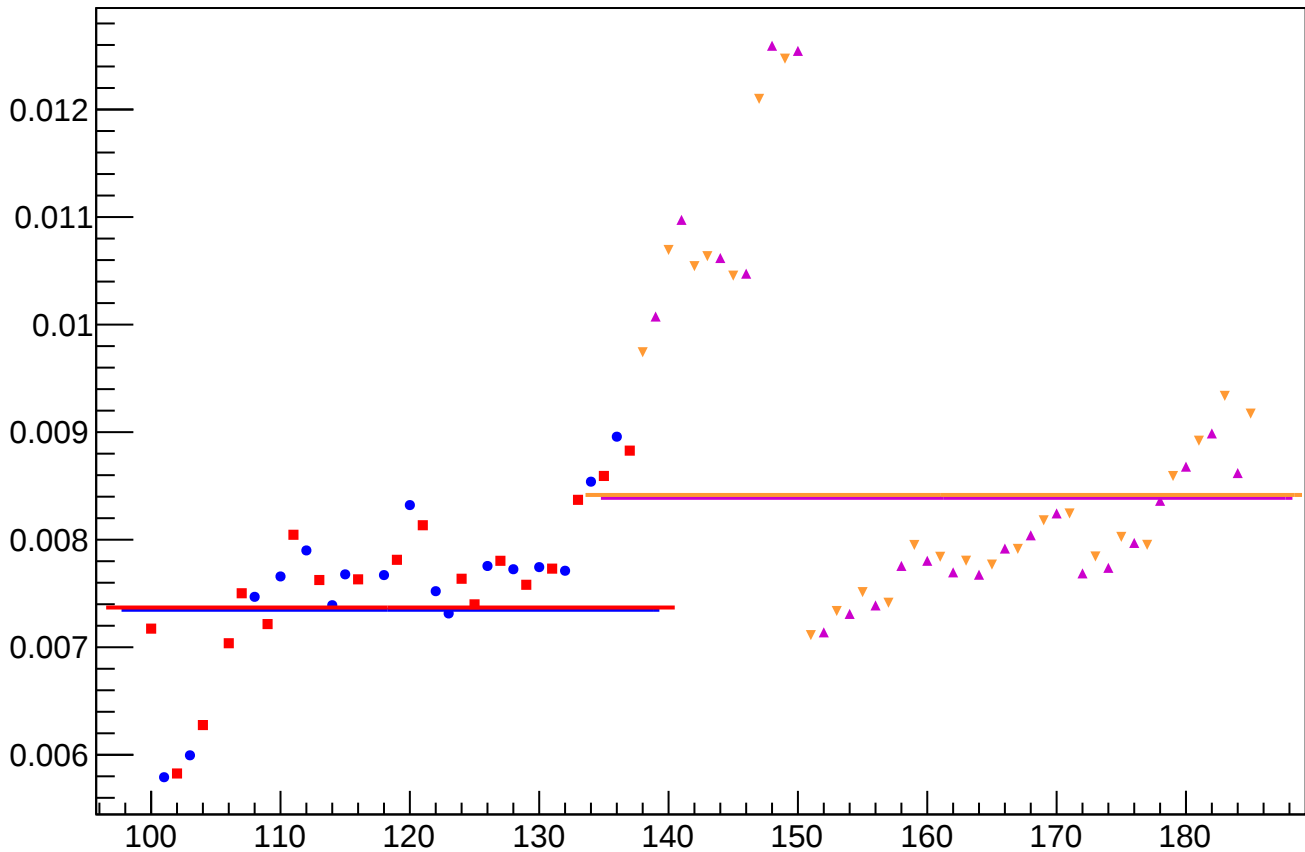
Left In: -0.969+/-0.000 χ^2/NDF : 54895002535.8/22

+ sign -0.149+/-0.000 χ^2/NDF : 514366442981.7/41

All: -0.142+/-0.000 χ^2/NDF : 1048461463988

- sign -0.135+/-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 : 780133.8/24

Right Out: 0.007+/-0.000 χ^2/NDF : 172418.5/18

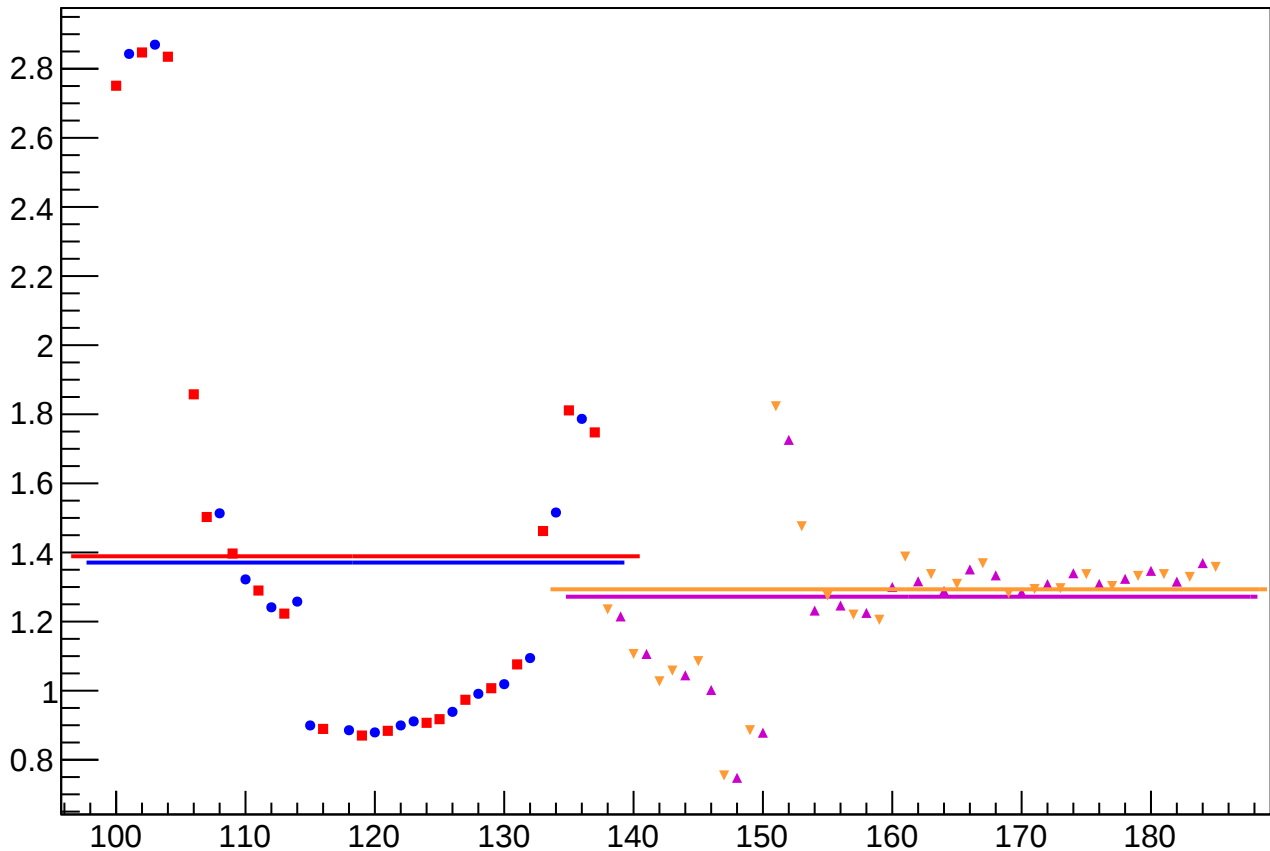
Left In: 0.008+/-0.000 χ^2/NDF : 839880.4/22

+ sign 0.008+/-0.000 χ^2/NDF : 1195492.1/41

All: 0.008+/-0.000 χ^2/NDF : 2382478.4/83

- 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 : 9220322872.6/24

Right Out: 1.389+/-0.000 χ^2/NDF : 49832414351.9/18

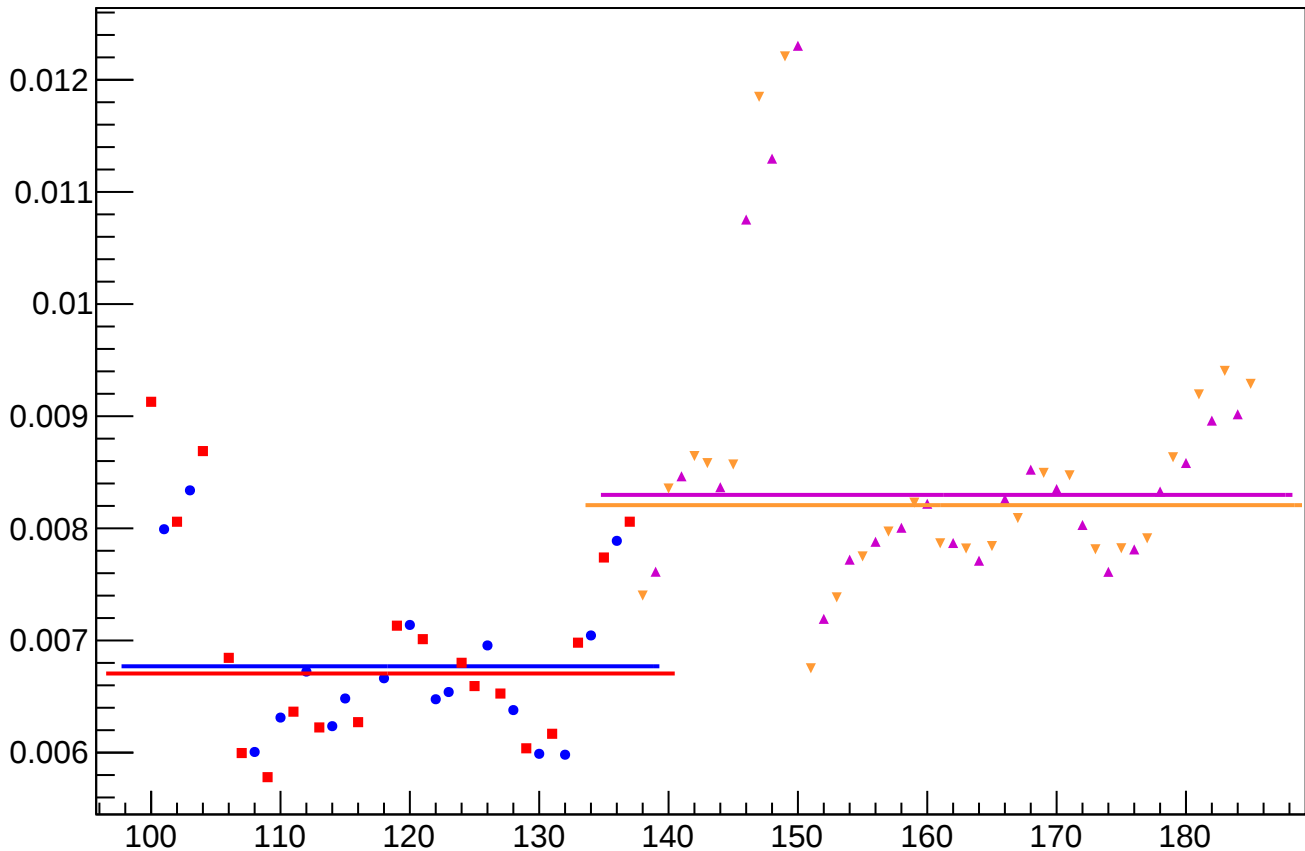
Left In: 1.272+/-0.000 χ^2/NDF : 7573930981.2/22

+ sign 1.321+/-0.000 χ^2/NDF : 63895203328.2/41

All: 1.319+/-0.000 χ^2/NDF : 122601061064.0

- sign 1.318+/-0.000 χ^2/NDF : 58703618176.9/41

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 158743.1/16

Left Out: 0.008+/-0.000 χ^2/NDF : 478377.3/24

Right Out: 0.007+/-0.000 χ^2/NDF : 189225.3/18

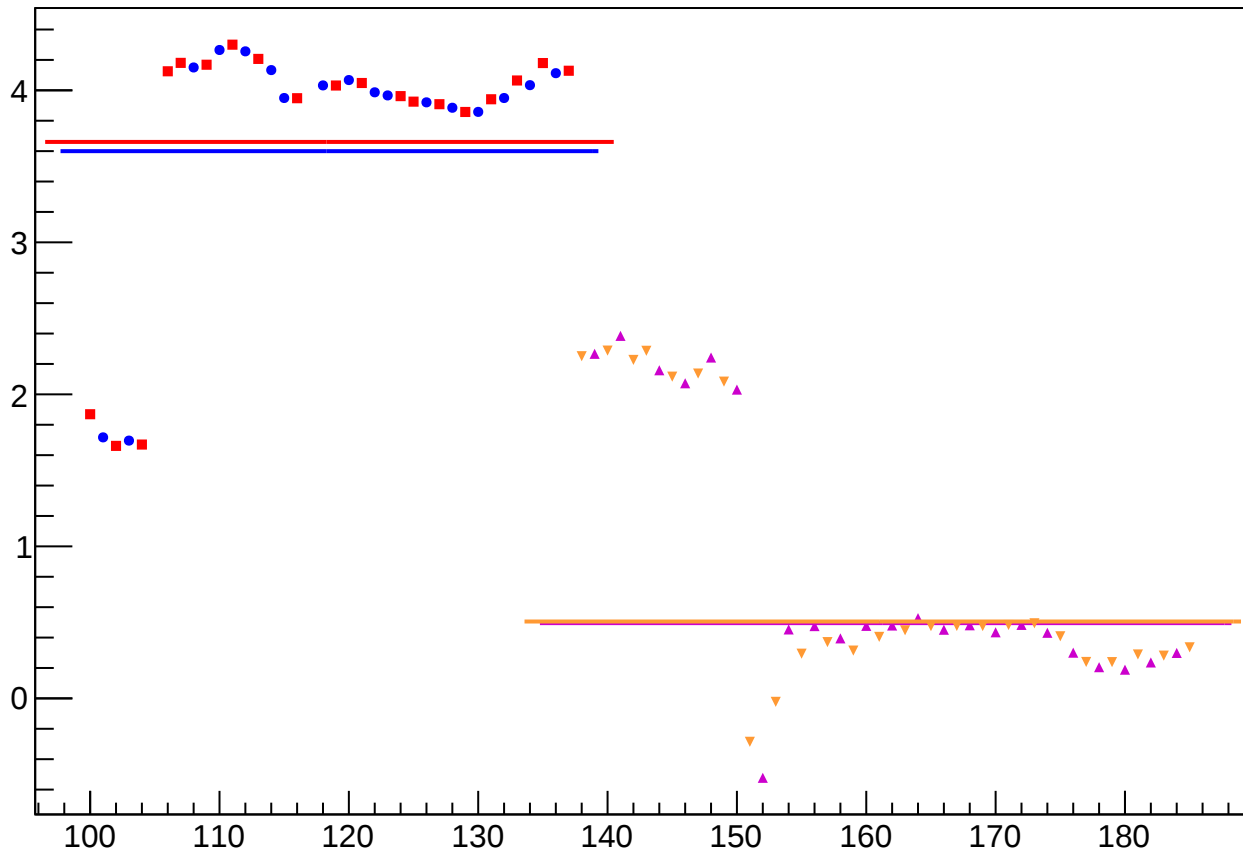
Left In: 0.008+/-0.000 χ^2/NDF : 462022.1/22

+ sign 0.008+/-0.000 χ^2/NDF : 1020252.0/41

All: 0.008+/-0.000 χ^2/NDF : 2152600.3/83

- sign 0.008+/-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: 0.506 $\pm$ 0.000 χ^2 /NDF: 268764401488.0/24

Right Out: 3.661 $\pm$ 0.000 χ^2 /NDF: 192461584002.7/18

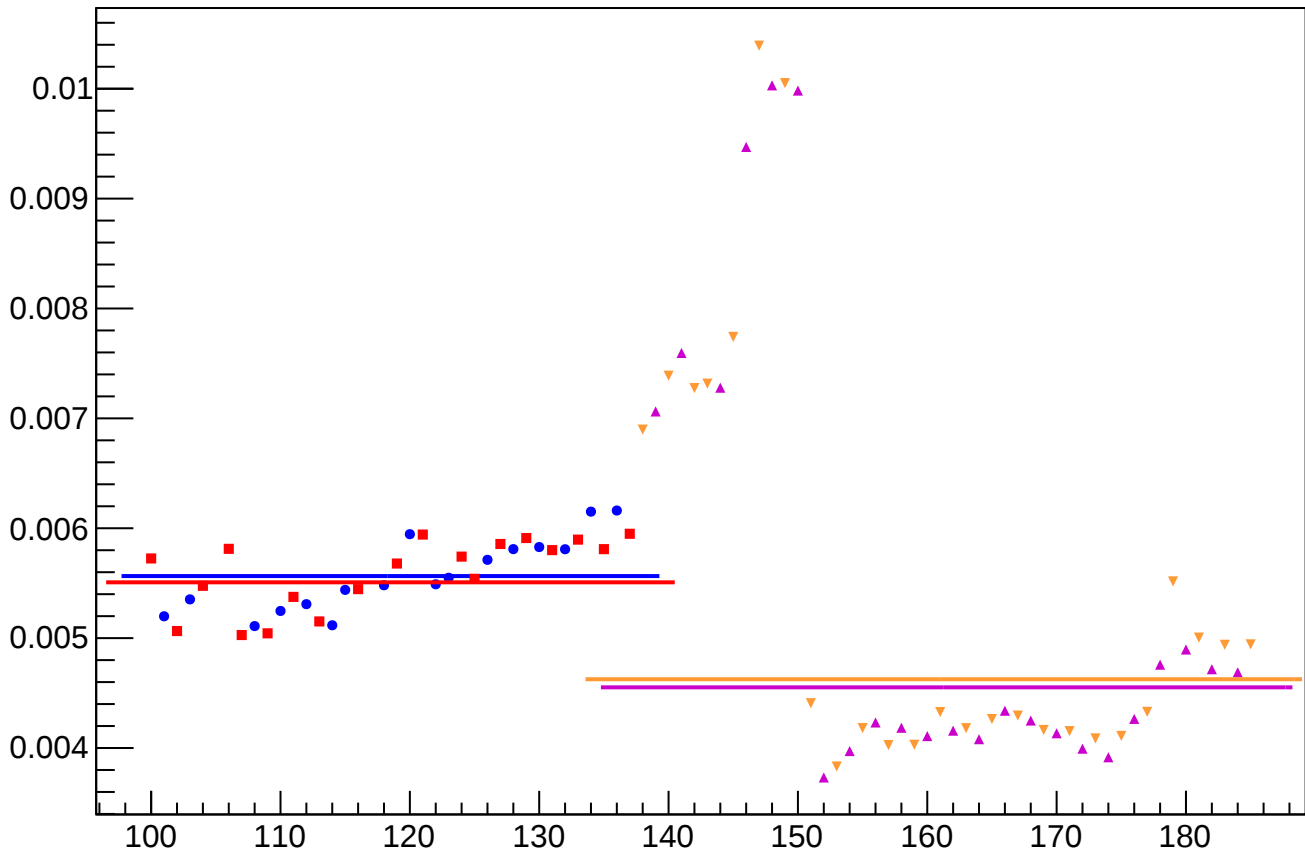
Left In: 0.495 $\pm$ 0.000 χ^2 /NDF: 268863202792.4/22

+ sign 1.178 $\pm$ 0.000 χ^2 /NDF: 2066225154084.1/41

All: 1.203 $\pm$ 0.000 χ^2 /NDF: 4288262398914.0

- 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 :2083061.9/24

Right Out: 0.006+/-0.000 χ^2/NDF : 52399.9/18

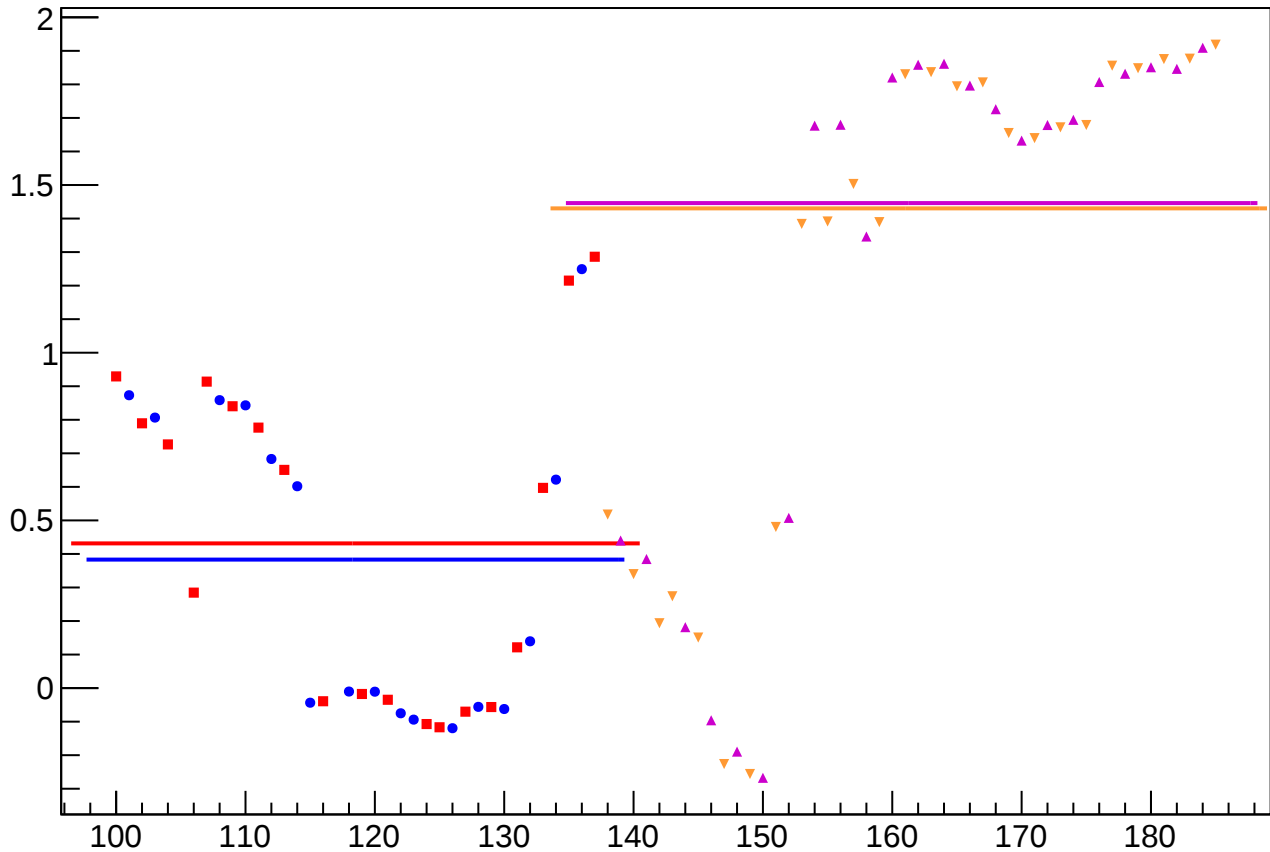
Left In: 0.005+/-0.000 χ^2/NDF :2237666.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 2428022.5/41

All: 0.005+/-0.000 χ^2/NDF : 5041979.9/83

- sign 0.005+/-0.000 χ^2/NDF : 2610818.3/41

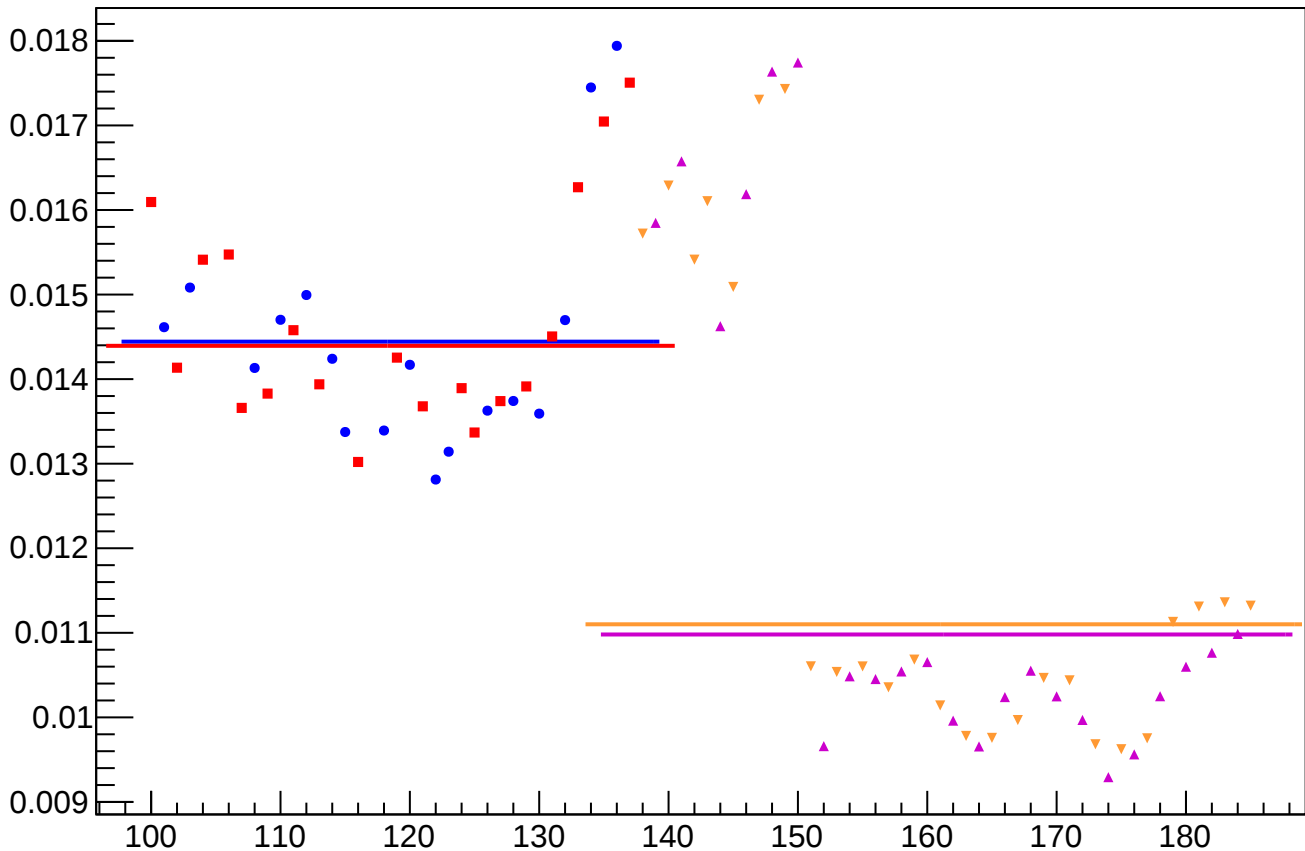
yield_bpm1i06X_mean vs Slug



Right In: 0.383 ± 0.000 χ^2/NDF : 7098148199.8/16
 Left Out: 1.430 ± 0.000 χ^2/NDF : 49392593768.5/24
 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 1.239 ± 0.000 χ^2/NDF : 84857466091.6/41
 All: 1.243 ± 0.000 χ^2/NDF : 172936135246.9
 - sign 1.248 ± 0.000 χ^2/NDF : 88072613478.8/41

yield_bpm1i06X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 109417.4/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:1207922.5/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 74186.8/18

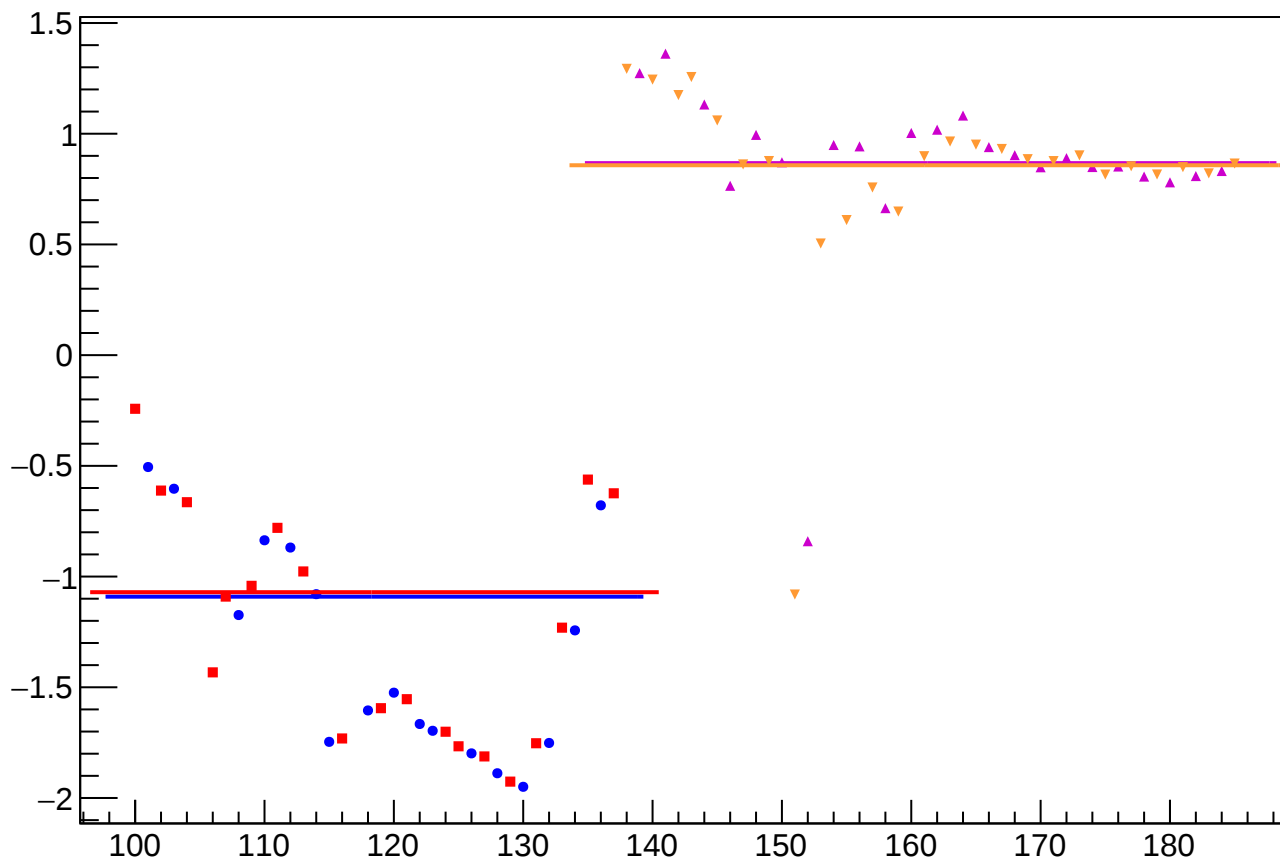
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:1264827.0/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1895283.9/41

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 3861272.0/83

- sign 0.012 $\pm$ 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: 0.858 ± 0.000 χ^2/NDF : 125202216443.7/24

Right Out: -1.071 ± 0.000 χ^2/NDF : 46725373904.4/18

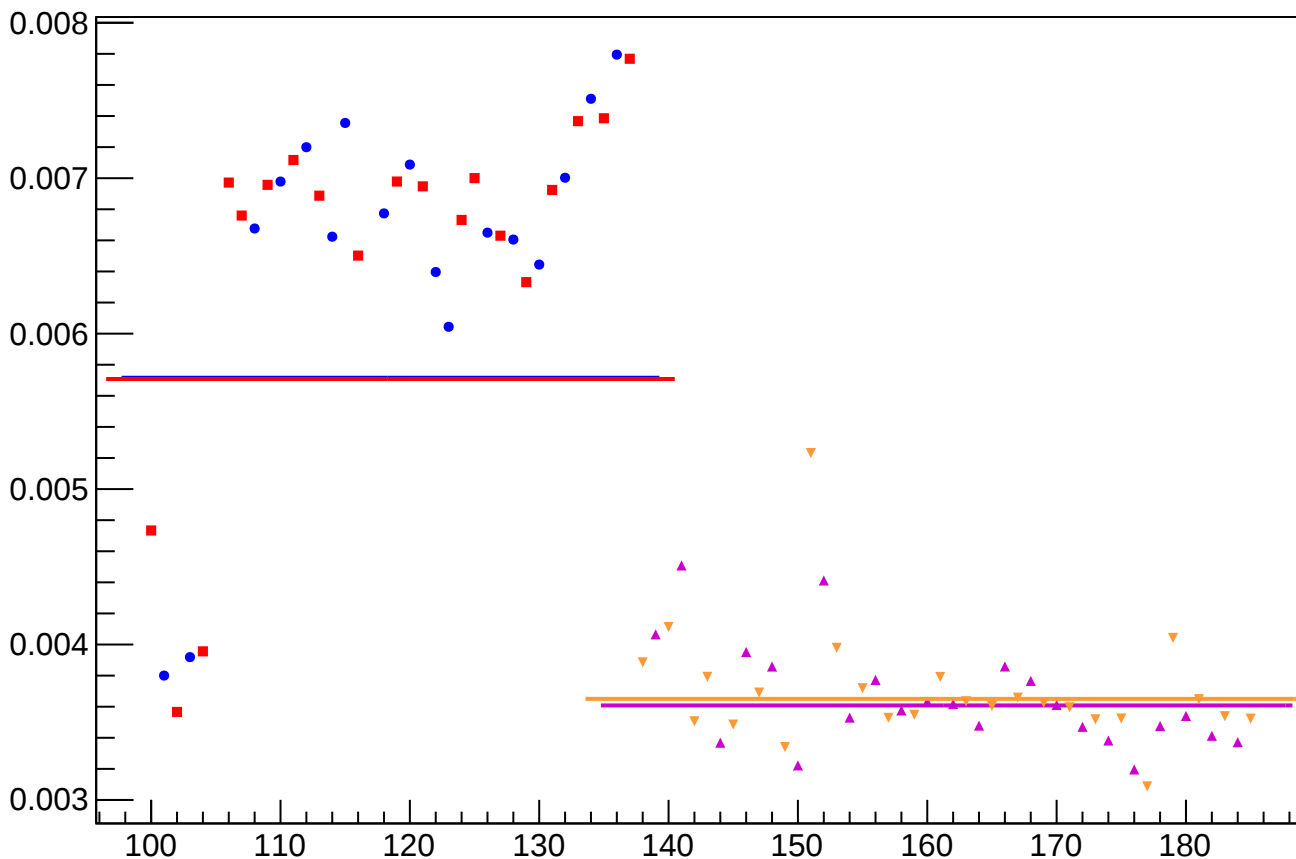
Left In: 0.867 ± 0.000 χ^2/NDF : 147039402944.6/22

+ sign 0.610 ± 0.000 χ^2/NDF : 780515829977.7/41

All: 0.608 ± 0.000 χ^2/NDF : 1586439043967.

- sign 0.605 ± 0.000 χ^2/NDF : 805905318225.6/41

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 837929.9/16

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:237134.4/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 921337.6/18

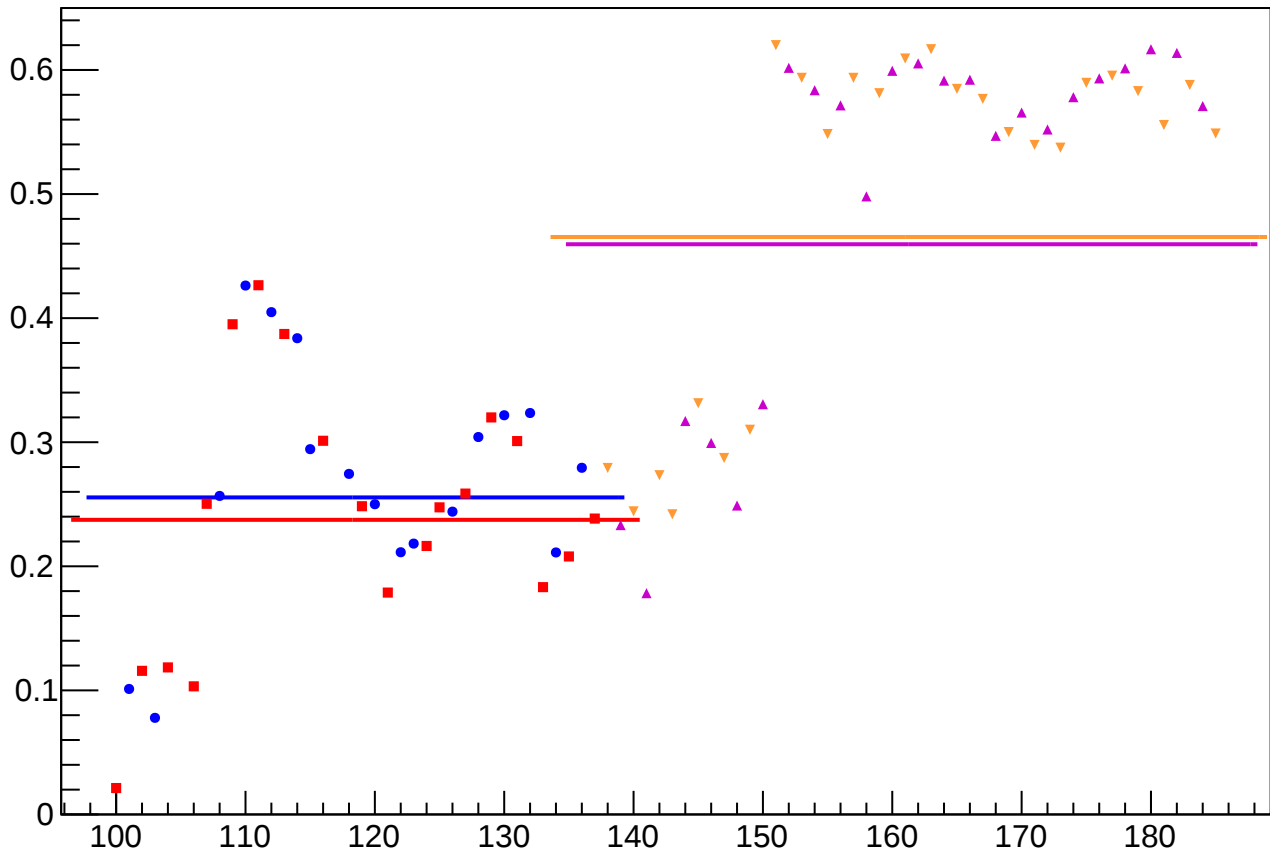
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:227861.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2423570.5/41

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 5011365.1/83

- sign 0.004 $\pm$ 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 :99977160832.3/24

Right Out: 0.237+/-0.000 χ^2/NDF : 26048163947.8/18

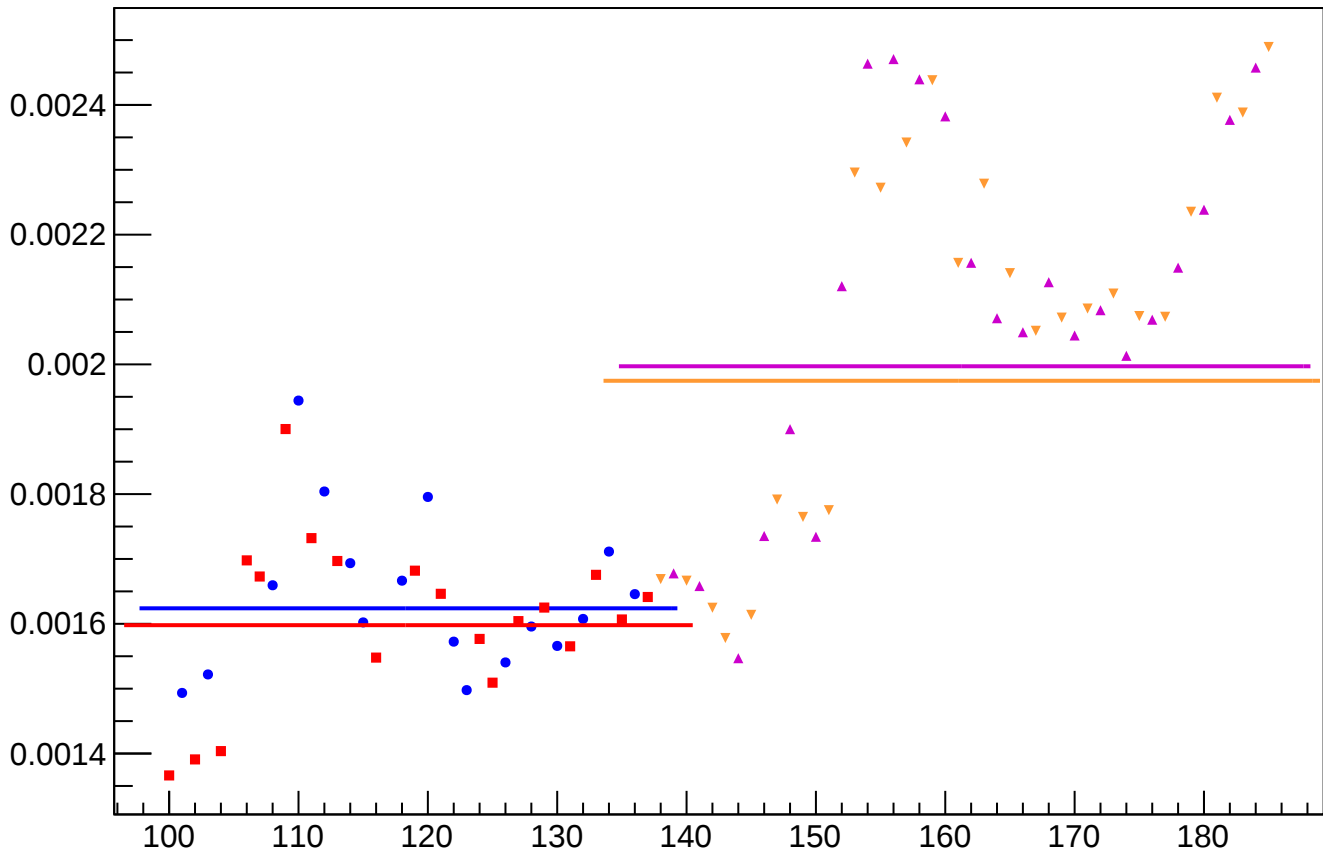
Left In: 0.460+/-0.000 χ^2/NDF :104559088628.4/22

+ sign 0.392+/-0.000 χ^2/NDF : 191177588261.7/41

All: 0.382+/-0.000 χ^2/NDF : 404547078253.8

- 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 : 716646.6/24

Right Out: 0.002+/-0.000 χ^2/NDF : 90592.9/18

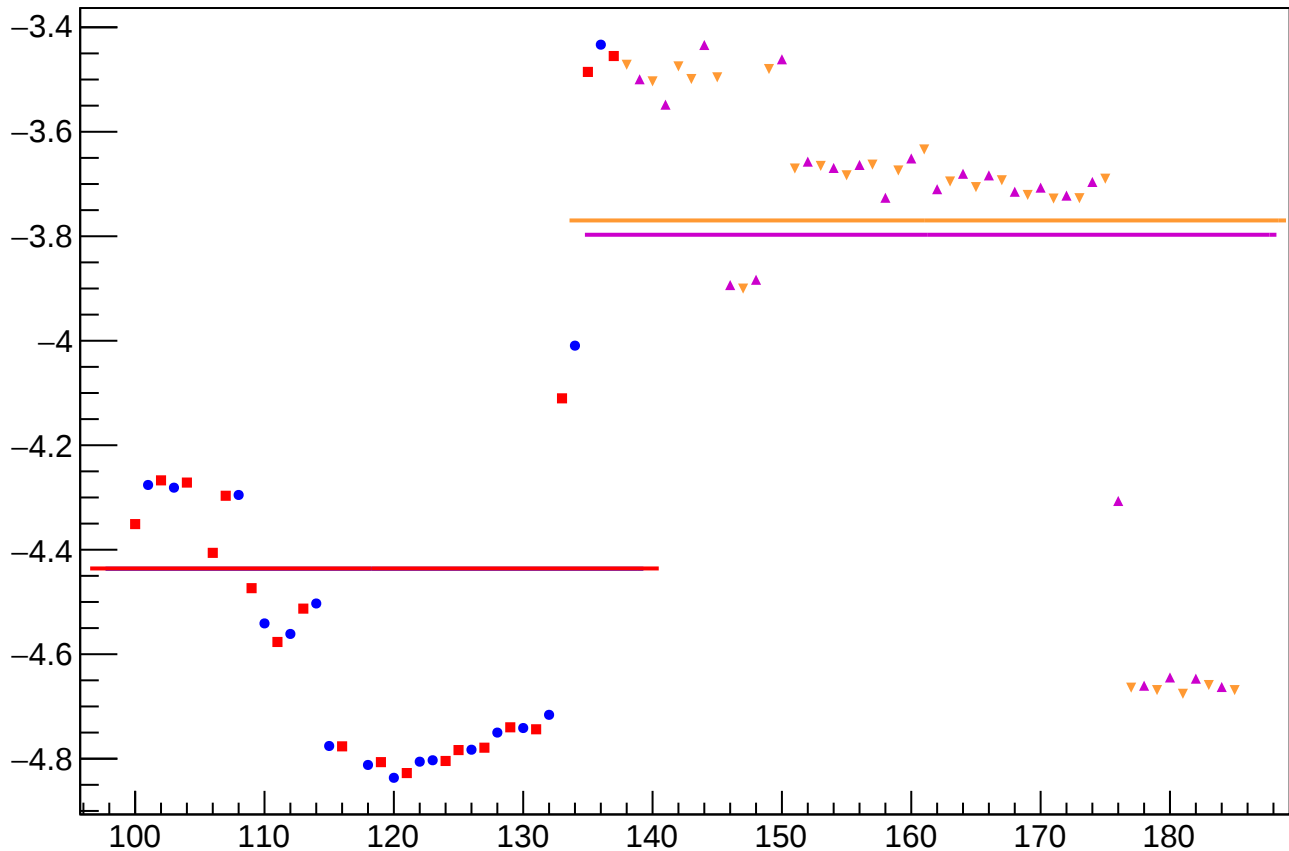
Left In: 0.002+/-0.000 χ^2/NDF : 666404.2/22

+ sign 0.002+/-0.000 χ^2/NDF : 1159529.8/41

All: 0.002+/-0.000 χ^2/NDF : 2443346.0/83

- sign 0.002+/-0.000 χ^2/NDF : 1282809.1/41

yield_bpm2i01Y_mean vs Slug



Right In: -4.436+/-0.000 χ^2/NDF : 392479534987.2/16

Left Out: -3.770+/-0.000 χ^2/NDF : 514463329931.5/24

Right Out: -4.436+/-0.000 χ^2/NDF : 324942318404.0/18

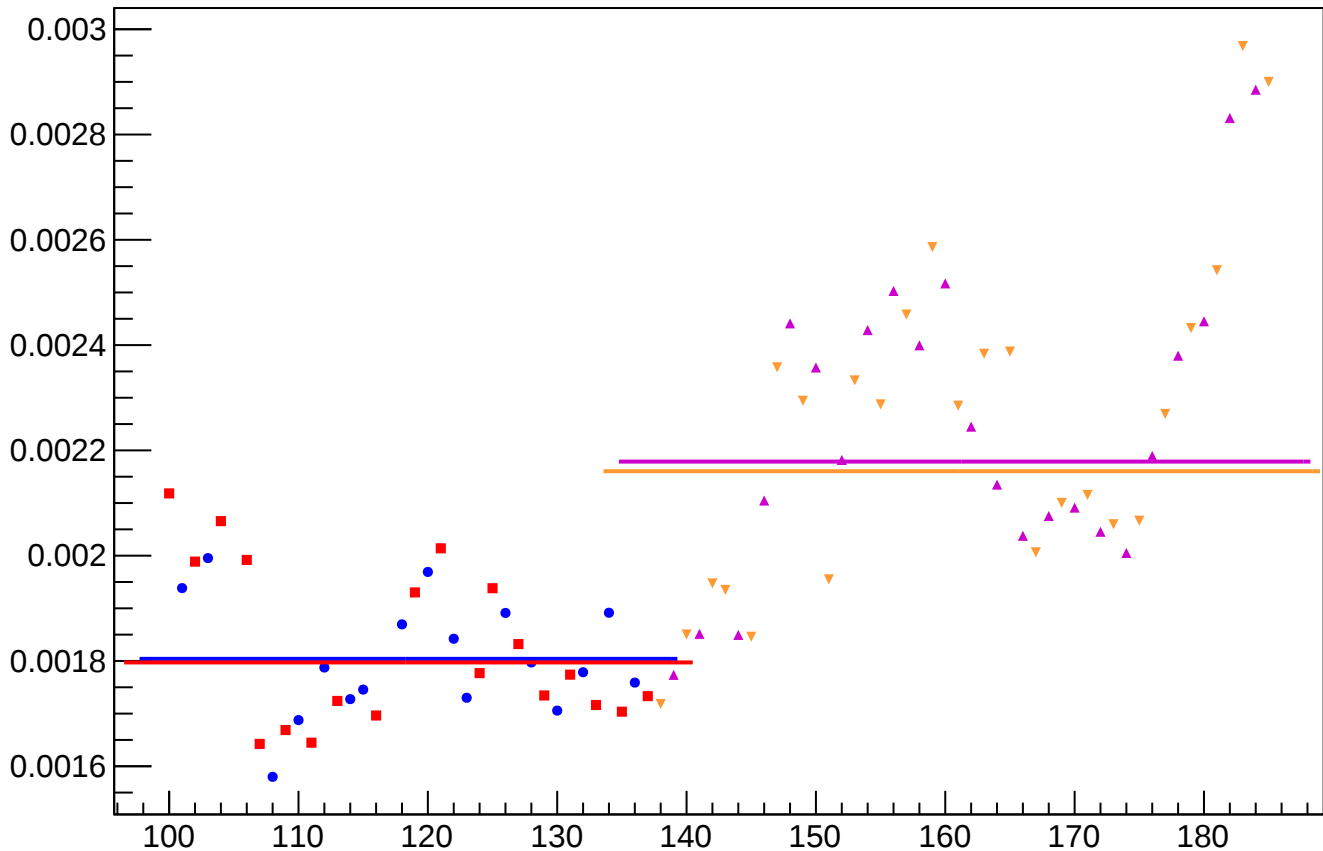
Left In: -3.797+/-0.000 χ^2/NDF : 444886272608.9/22

+ sign -4.000+/-0.000 χ^2/NDF : 1487171842153.0/4

All: -4.018+/-0.000 χ^2/NDF : 2802582722378

- sign -4.036+/-0.000 χ^2/NDF : 1311594313485.6/4

yield_bpm2i01Y_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 48060.2/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:547610.6/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 80681.9/18

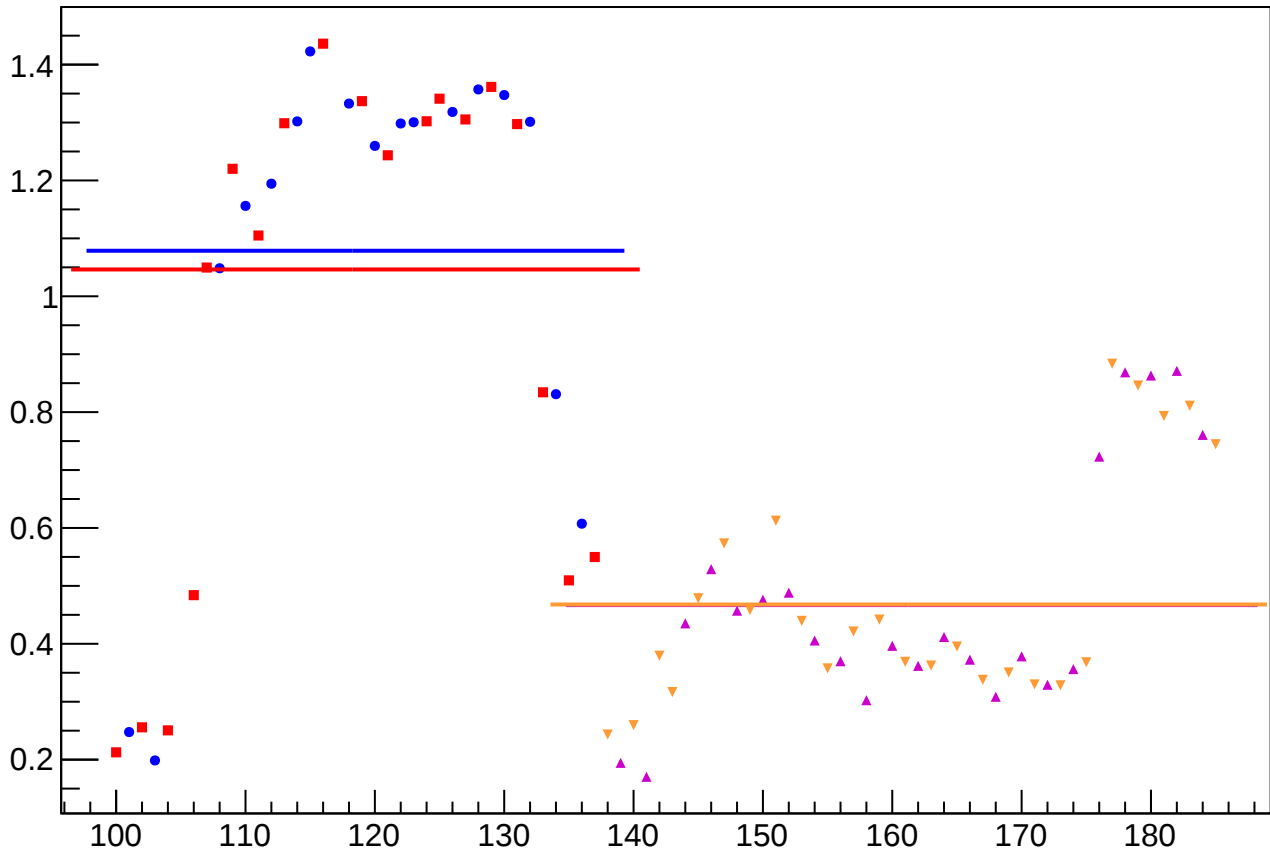
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:463279.7/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 927381.5/41

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 1857910.6/83

- sign 0.002 $\pm$ 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: 0.468+/-0.000 χ^2/NDF : 7328309222.3/24

Right Out: 1.046+/-0.000 χ^2/NDF : 19655971884.7/18

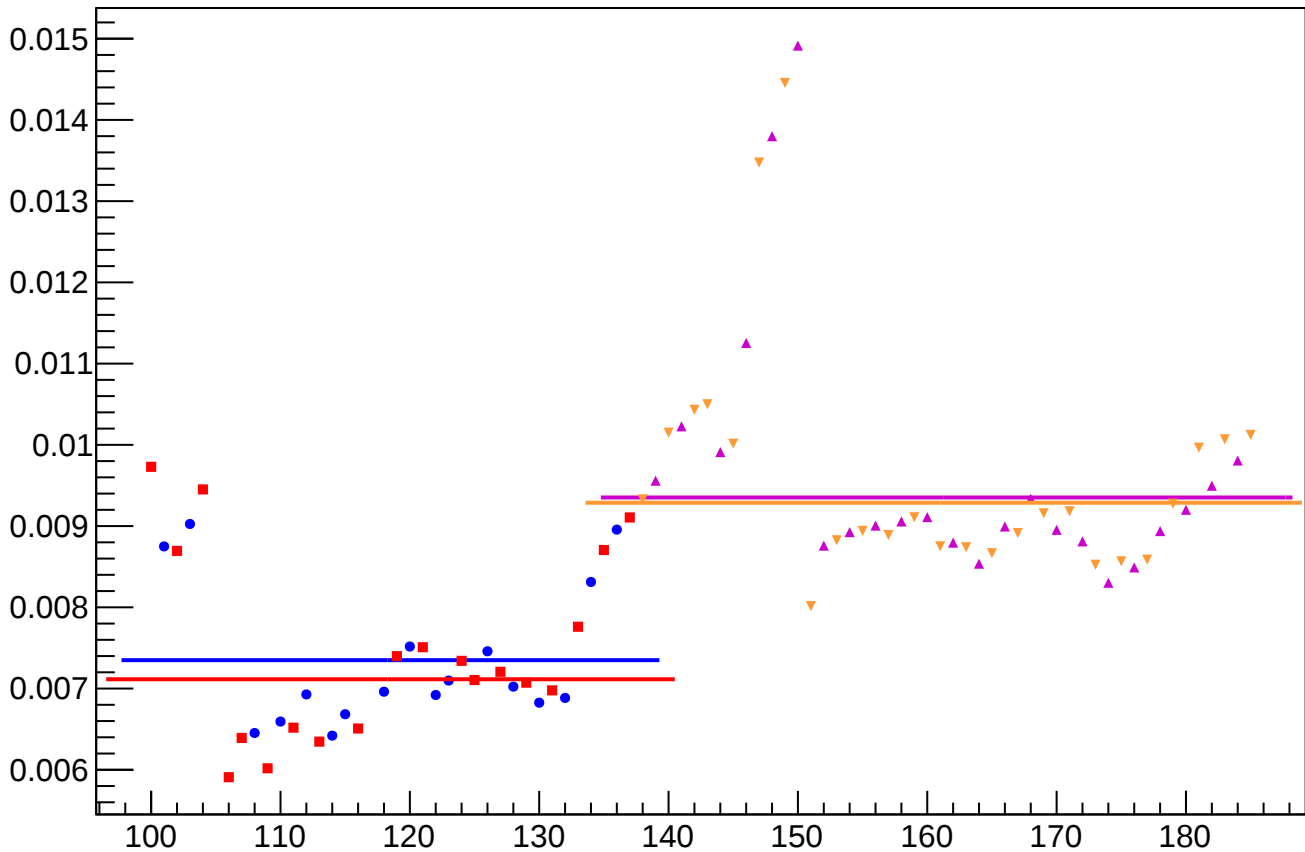
Left In: 0.467+/-0.000 χ^2/NDF : 8036741308.0/22

+ sign 0.694+/-0.000 χ^2/NDF : 53496572128.6/41

All: 0.700+/-0.000 χ^2/NDF : 108243796132.1

- 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 : 525724.5/24

Right Out: 0.007+/-0.000 χ^2/NDF : 259361.2/18

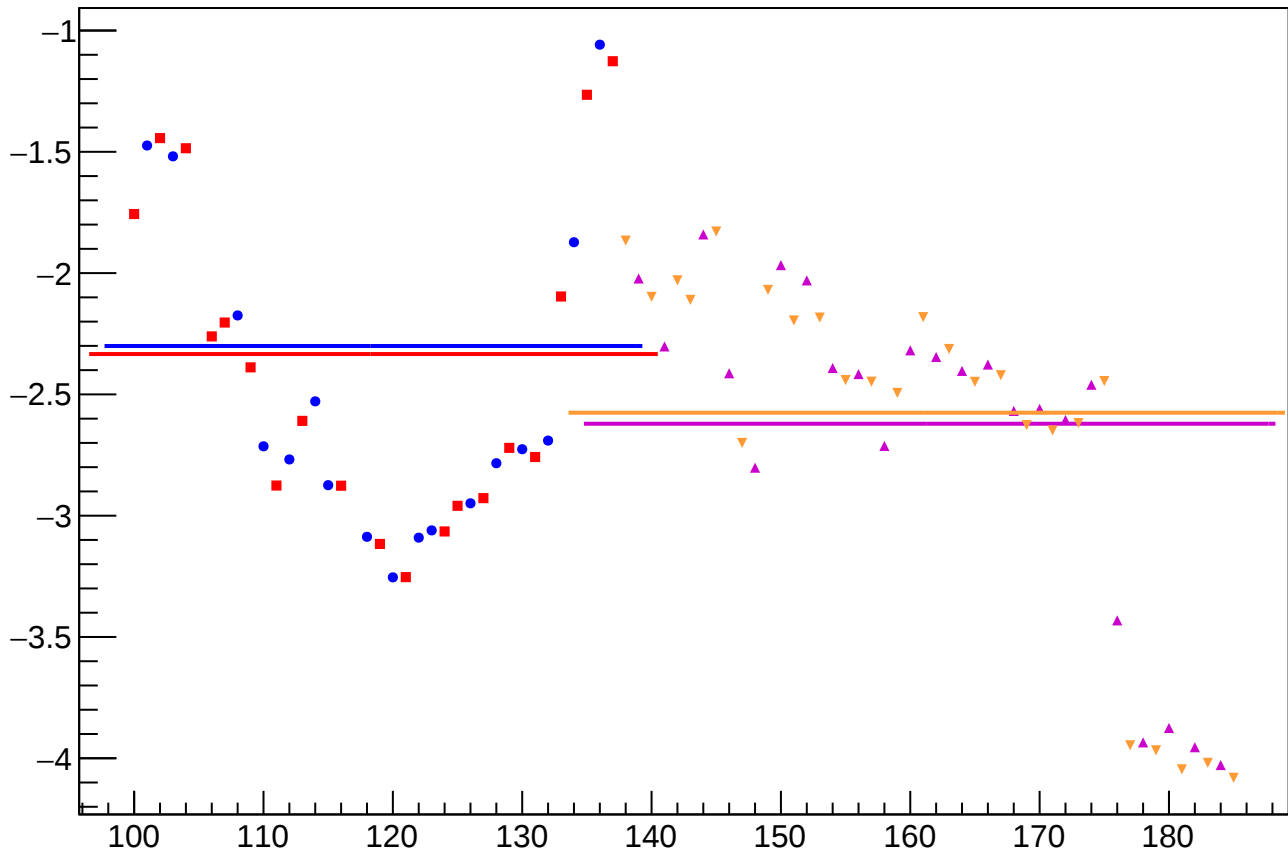
Left In: 0.009+/-0.000 χ^2/NDF : 557555.2/22

+ sign 0.009+/-0.000 χ^2/NDF : 1283894.2/41

All: 0.008+/-0.000 χ^2/NDF : 2913608.9/83

- 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: -2.575 ± 0.000 χ^2/NDF : 98875133674.6/24

Right Out: -2.334 ± 0.000 χ^2/NDF : 64343197509.4/18

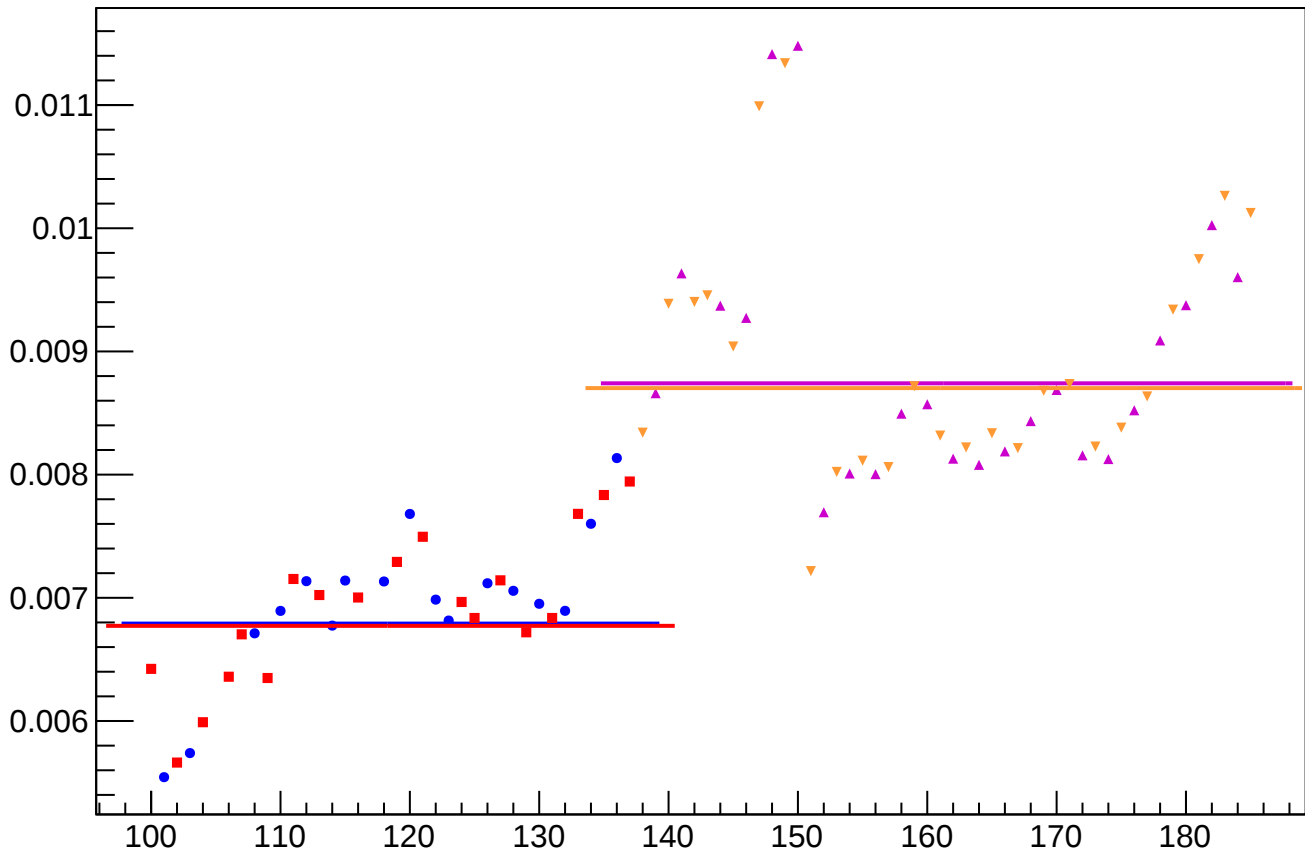
Left In: -2.621 ± 0.000 χ^2/NDF : 80862402796.4/22

+ sign -2.472 ± 0.000 χ^2/NDF : 179249013465.1/41

All: -2.488 ± 0.000 χ^2/NDF : 332164379533.6

- sign -2.504 ± 0.000 χ^2/NDF : 152719547275.1/41

yield_bpm2i02Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 165798.3/16

Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 367064.9/24

Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 123254.7/18

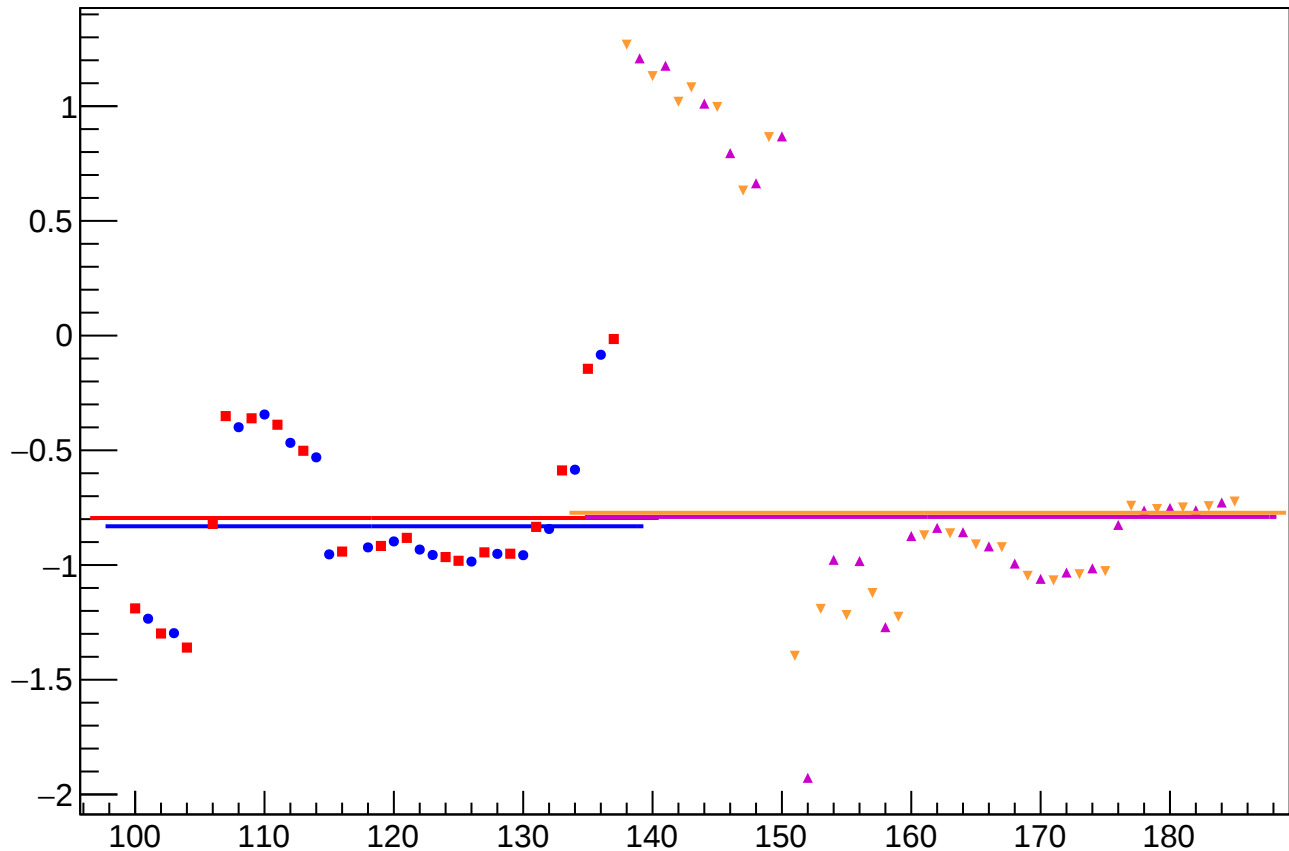
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 353750.0/22

+ sign 0.008 $\pm$ 0.000 χ^2/NDF : 1187416.0/41

All: 0.008 $\pm$ 0.000 χ^2/NDF : 2371134.4/83

- sign 0.008 $\pm$ 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: -0.772 ± 0.000 χ^2/NDF : 118513600262.2/24

Right Out: -0.795 ± 0.000 χ^2/NDF : 7817248130.7/18

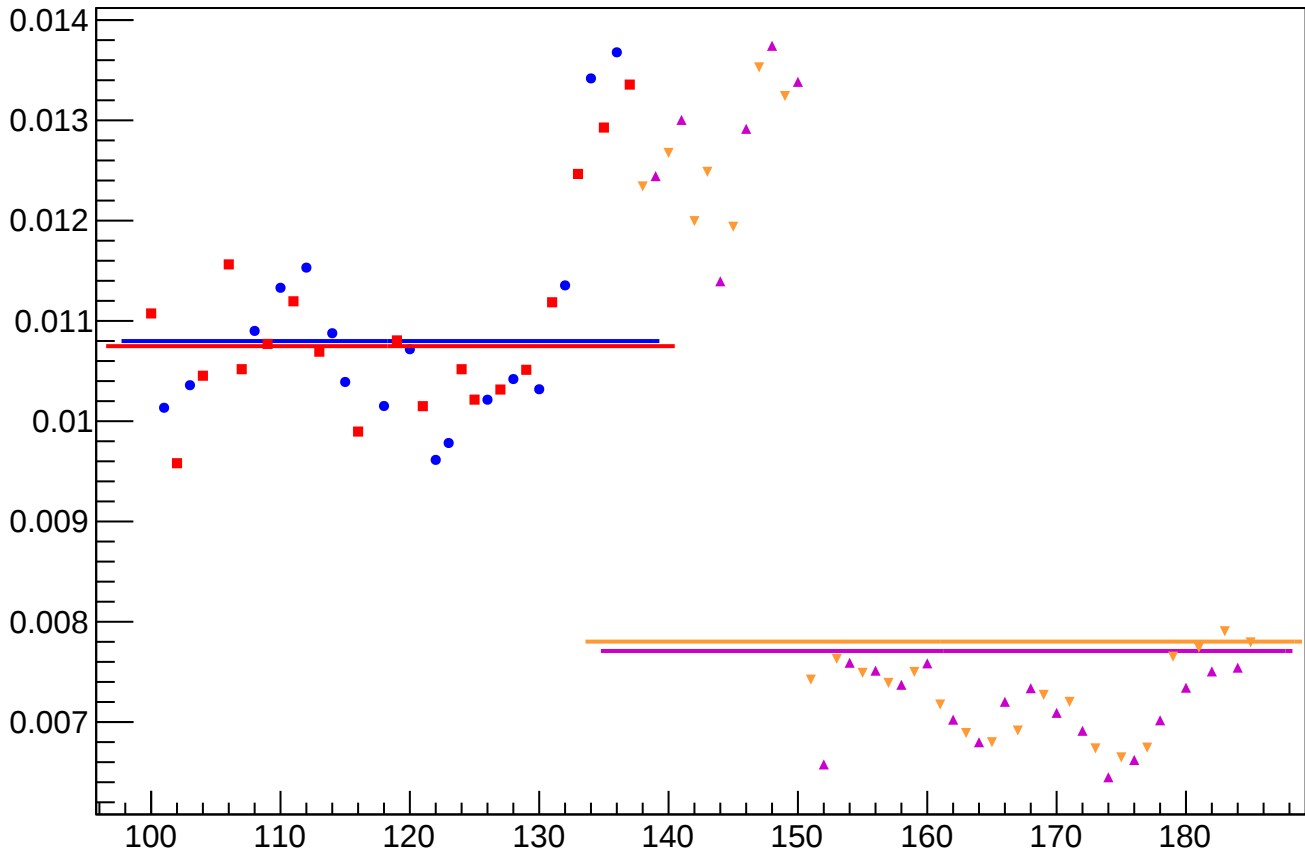
Left In: -0.790 ± 0.000 χ^2/NDF : 123452478408.2/22

+ sign -0.782 ± 0.000 χ^2/NDF : 125360787245.7/41

All: -0.787 ± 0.000 χ^2/NDF : 256645644422.4

- sign -0.791 ± 0.000 χ^2/NDF : 131270818946.3/41

yield_bpm0i01X_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 124812.3/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:1676549.4/24

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 89612.1/18

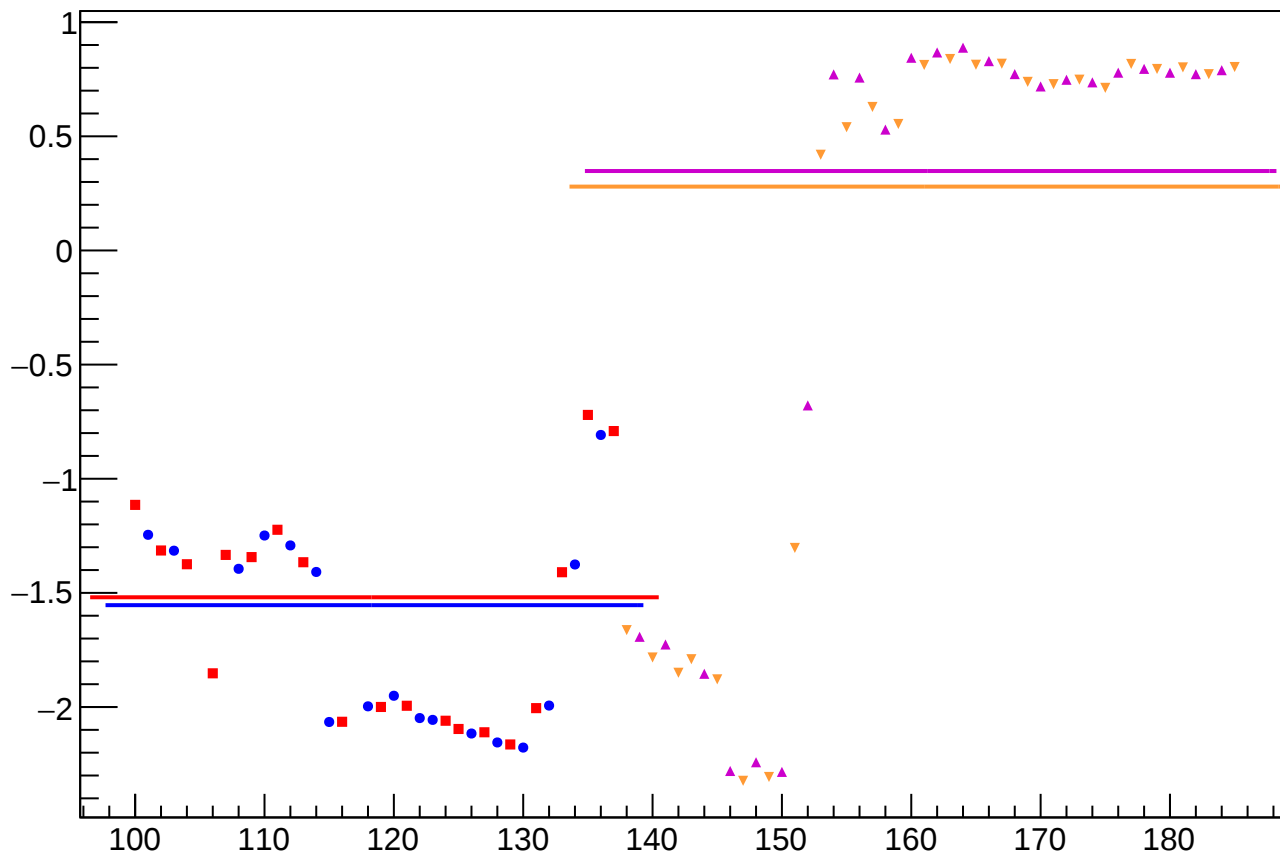
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:1746653.6/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2642051.6/41

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 5381444.7/83

- sign 0.008 $\pm$ 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: 0.280+/-0.000 χ^2/NDF : 2533555620281.6/24

Right Out: -1.519+/-0.000 χ^2/NDF : 138061021403.9/18

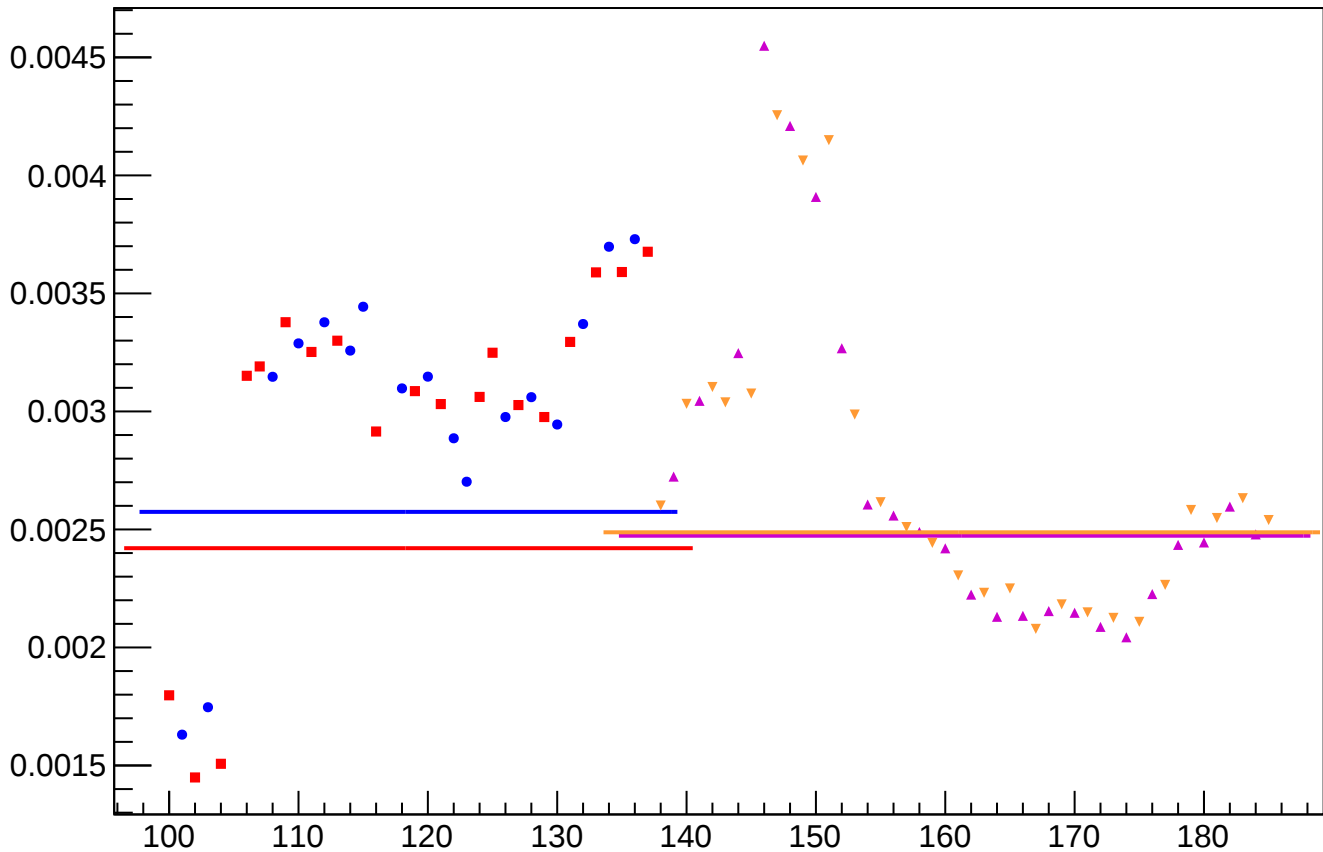
Left In: 0.348+/-0.000 χ^2/NDF : 2274004426513.8/22

+ sign -0.171+/-0.000 χ^2/NDF : 4842398680423.9/4

All: -0.173+/-0.000 χ^2/NDF : 9676584366379

- sign -0.175+/-0.000 χ^2/NDF : 4834159747840.5/4

yield_bpm0i01Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 1013543.2/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1064912.2/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 1484766.5/18

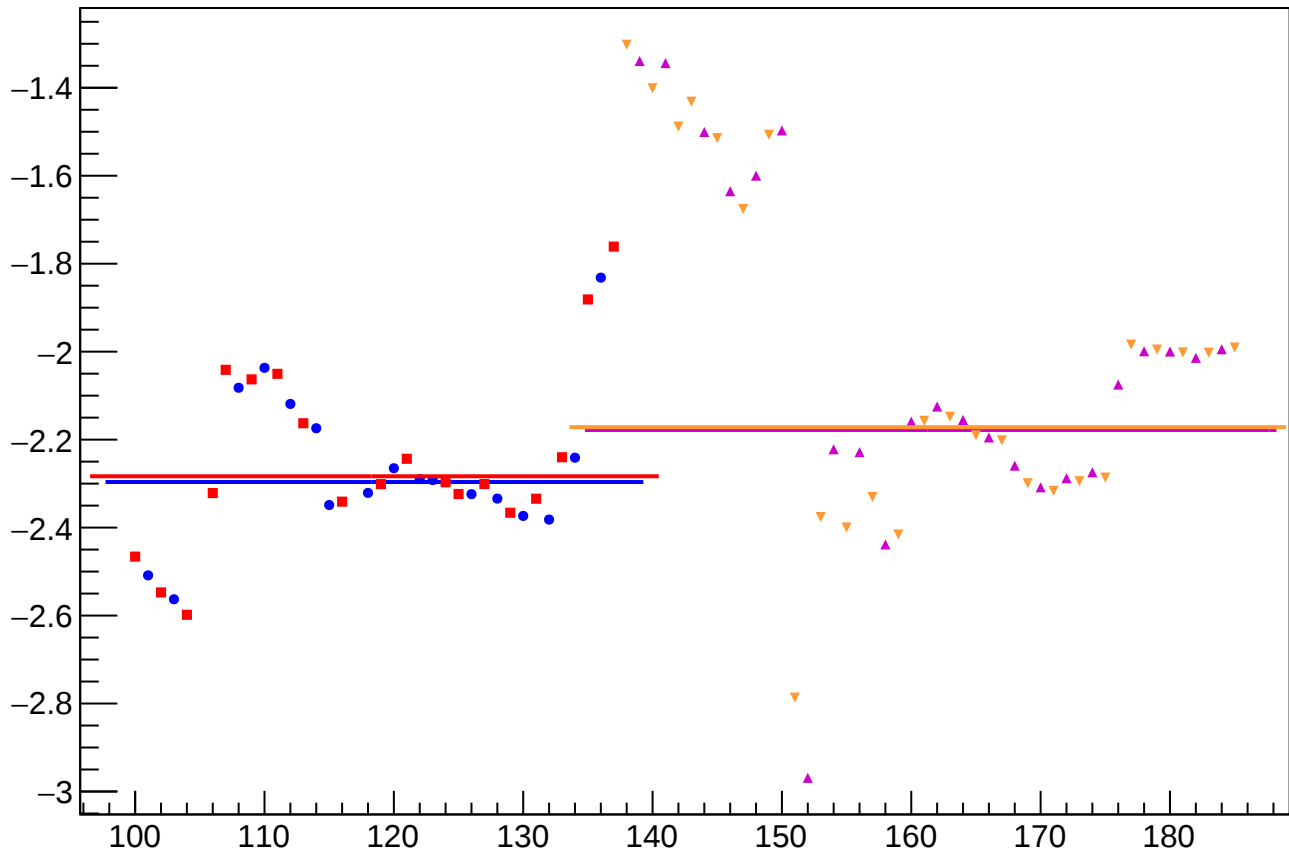
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1135279.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2088055.0/41

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 4720796.4/83

- sign 0.002 $\pm$ 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: -2.172+/-0.000 χ^2 /NDF: 59228543002.3/24

Right Out: -2.283+/-0.000 χ^2 /NDF: 6547805693.1/18

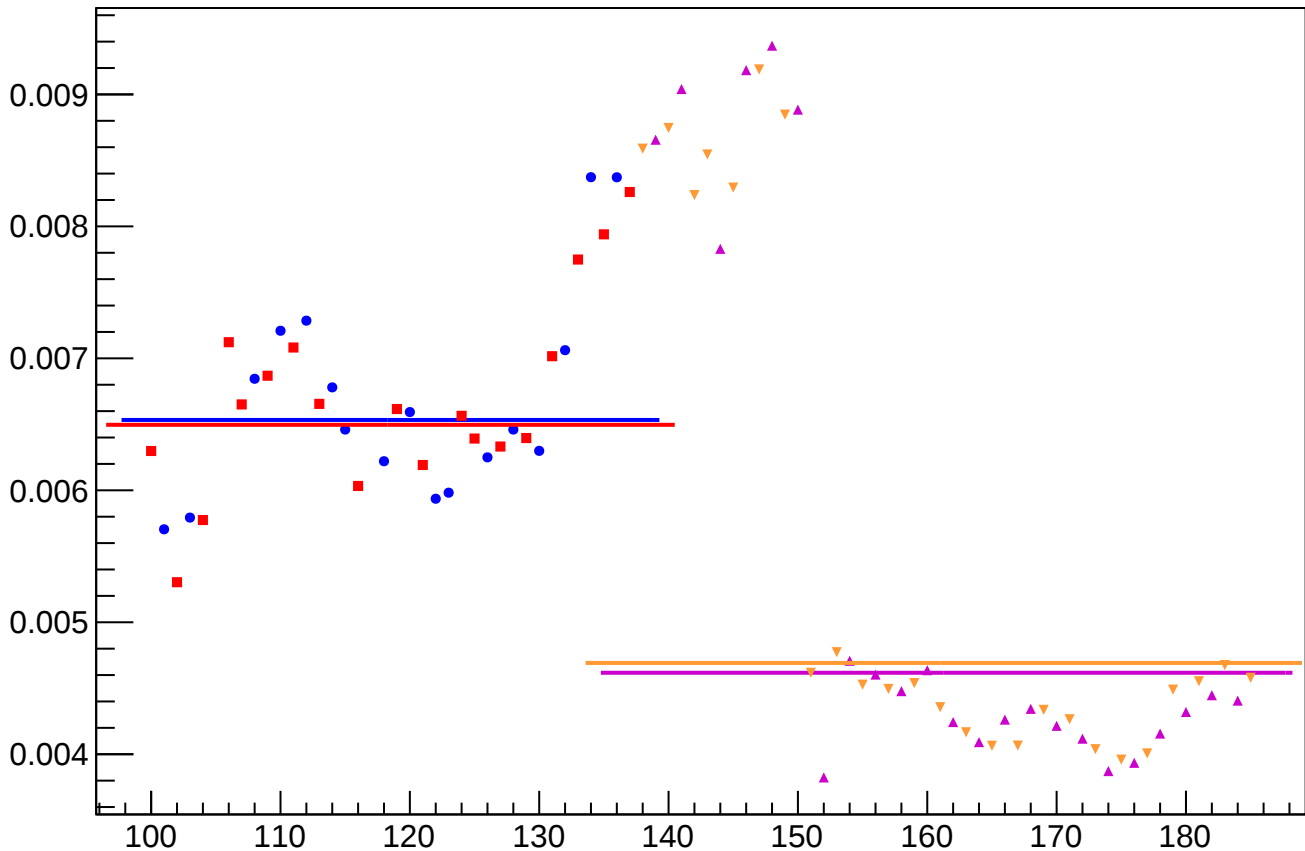
Left In: -2.178+/-0.000 χ^2 /NDF: 73402051113.3/22

+ sign -2.192+/-0.000 χ^2 /NDF: 66966251254.5/41

All: -2.195+/-0.000 χ^2 /NDF: 148381830810.4

- 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 : 2276437.6/24

Right Out: 0.006+/-0.000 χ^2/NDF : 163206.3/18

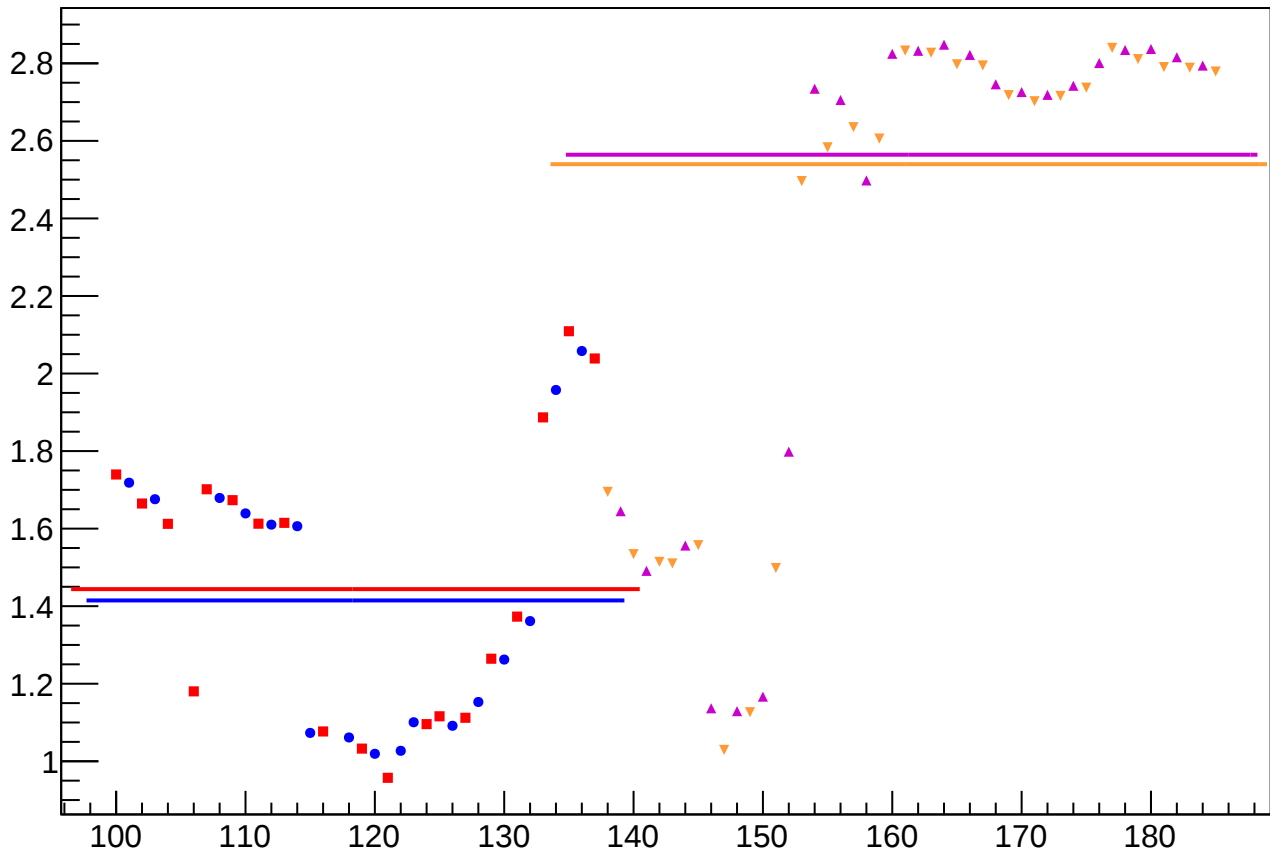
Left In: 0.005+/-0.000 χ^2/NDF : 2367440.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 3304567.6/41

All: 0.005+/-0.000 χ^2/NDF : 6765171.0/83

- 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: 2.540+/-0.000 χ^2/NDF : 265251970465.9/24

Right Out: 1.444+/-0.000 χ^2/NDF : 172869416198.6/18

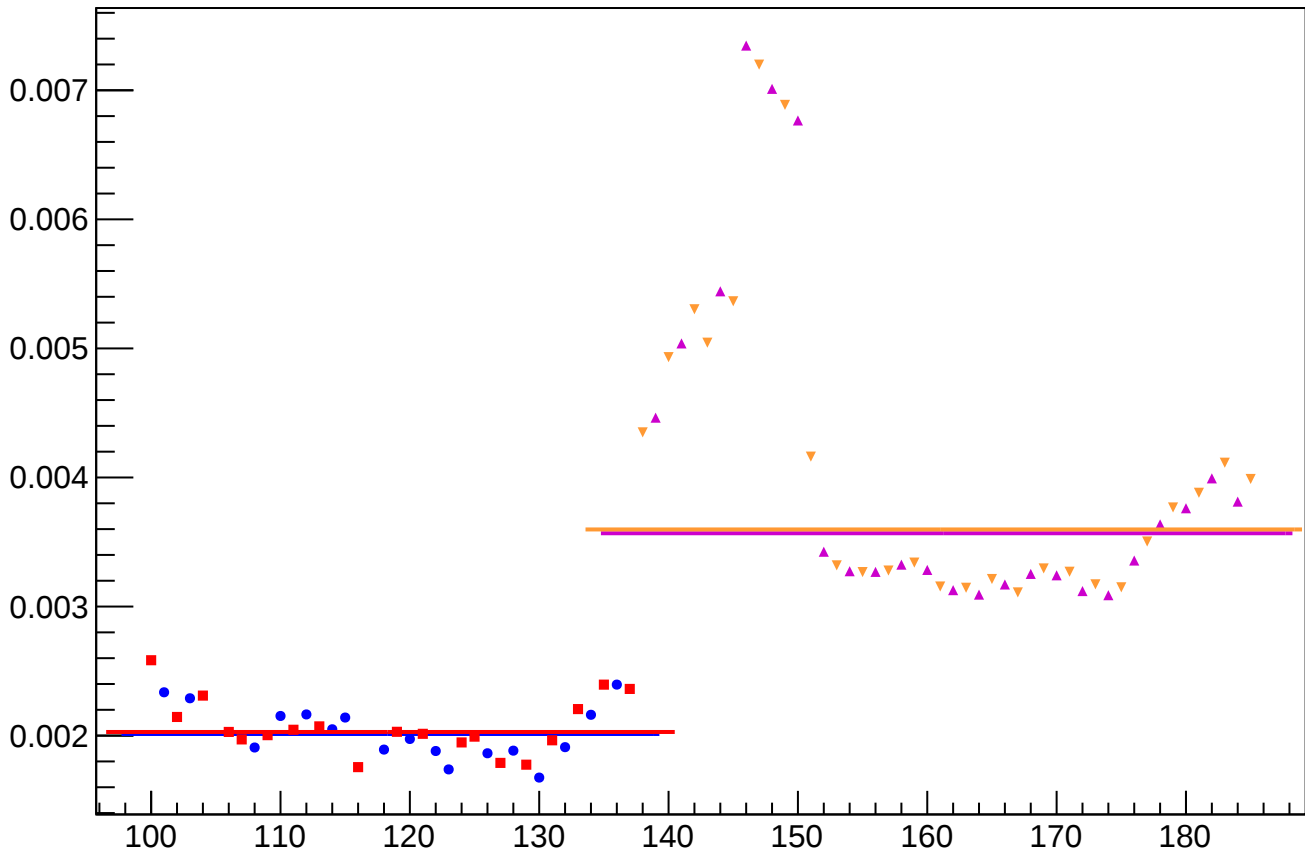
Left In: 2.564+/-0.000 χ^2/NDF : 260287937727.8/22

+ sign 1.930+/-0.000 χ^2/NDF : 1317351344373.8/41

All: 1.933+/-0.000 χ^2/NDF : 2615133604516.

- sign 1.935+/-0.000 χ^2/NDF : 1297754903634.9/41

yield_bpm0i01aY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 149372.5/16

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1391649.1/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 102976.0/18

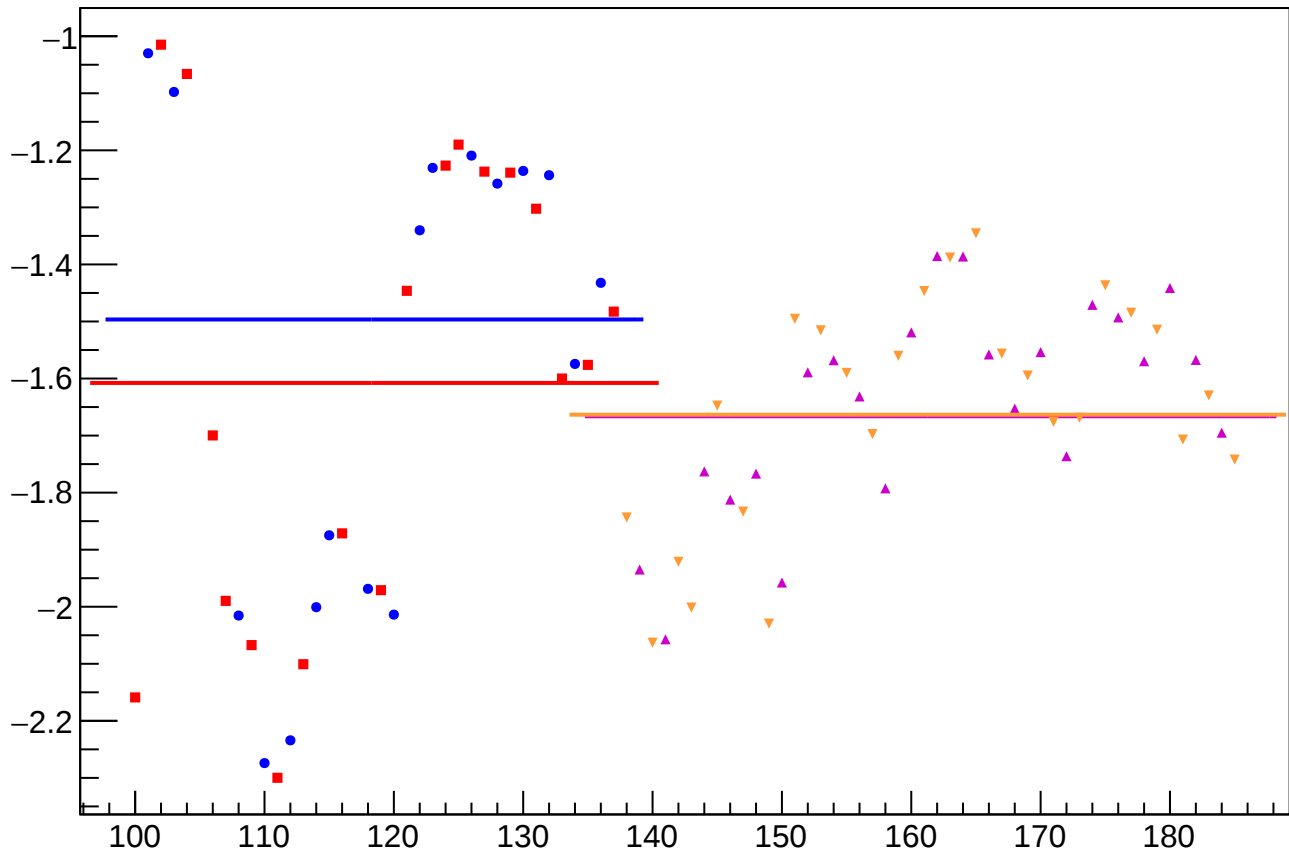
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1563028.0/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 5033680.8/41

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 9969475.3/83

- sign 0.003 $\pm$ 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 : 17942489885.9/24

Right Out: -1.608+/-0.000 χ^2/NDF : 27825836681.8/18

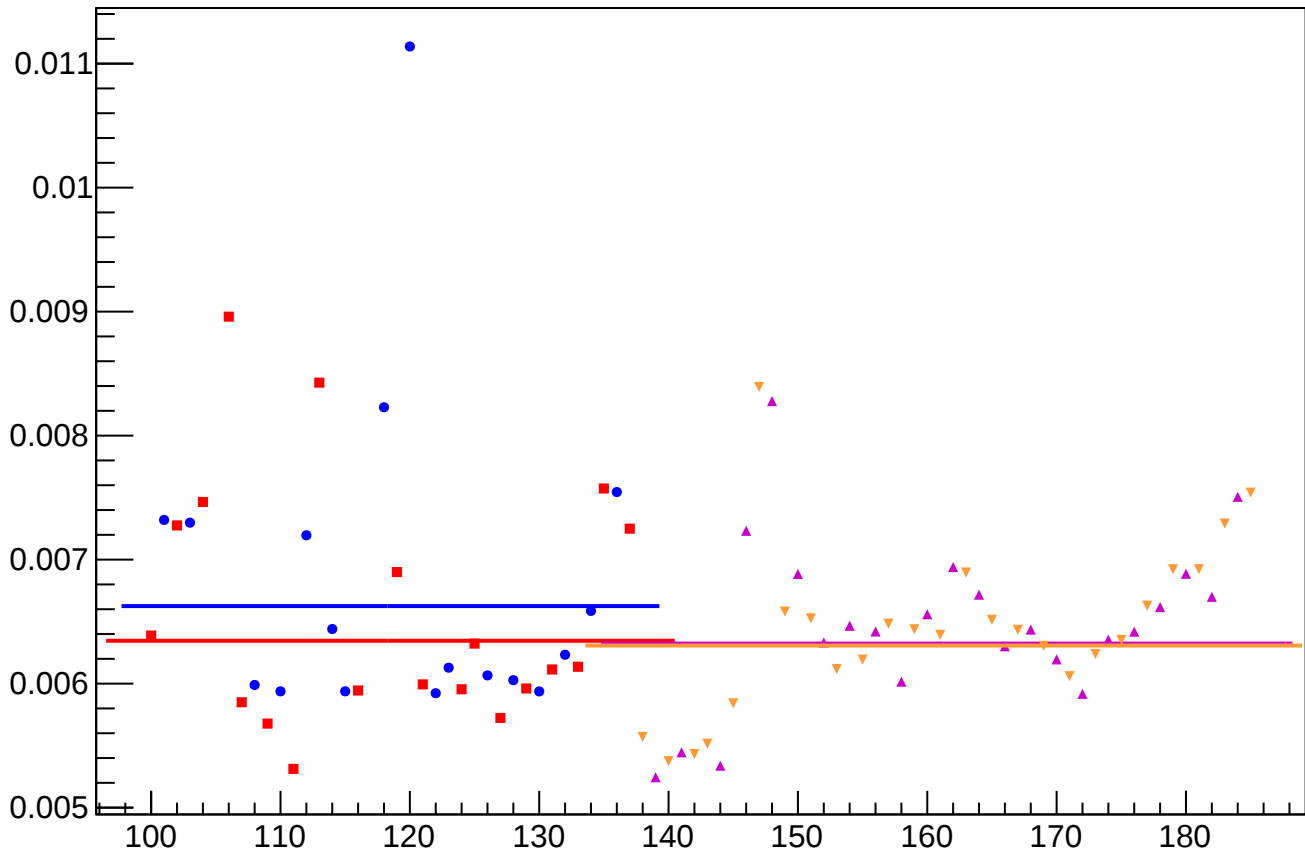
Left In: -1.666+/-0.000 χ^2/NDF : 14292570816.9/22

+ sign -1.623+/-0.000 χ^2/NDF : 43347448104.7/41

All: -1.636+/-0.000 χ^2/NDF : 86061842277.5/41

- 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 :302128.6/24

Right Out: 0.006+/-0.000 χ^2/NDF : 228829.0/18

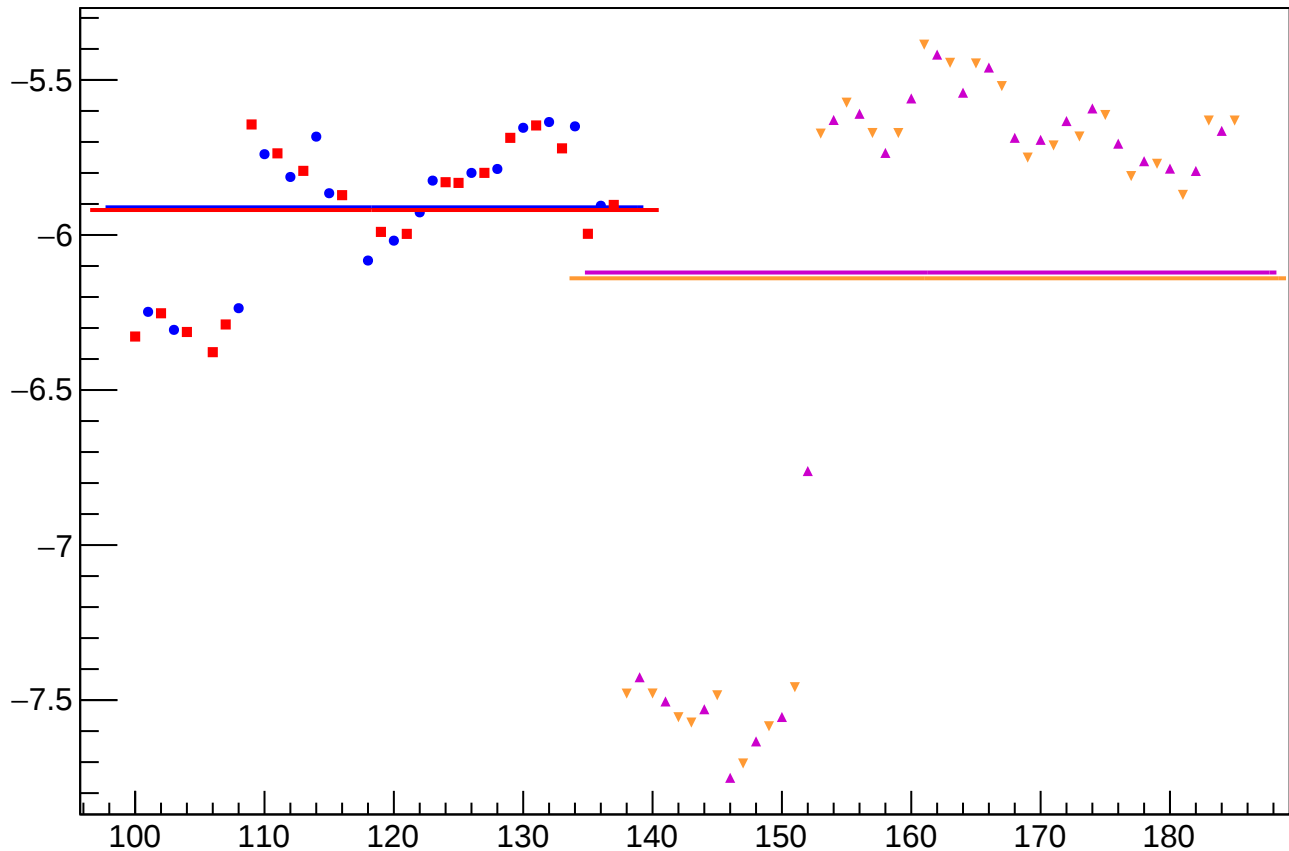
Left In: 0.006+/-0.000 χ^2/NDF :330859.7/22

+ sign 0.006+/-0.000 χ^2/NDF : 555092.0/41

All: 0.006+/-0.000 χ^2/NDF : 1116581.9/83

- 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: -6.140+/-0.000 χ^2/NDF : 183302041496.9/24

Right Out: -5.919+/-0.000 χ^2/NDF : 12817250659.6/18

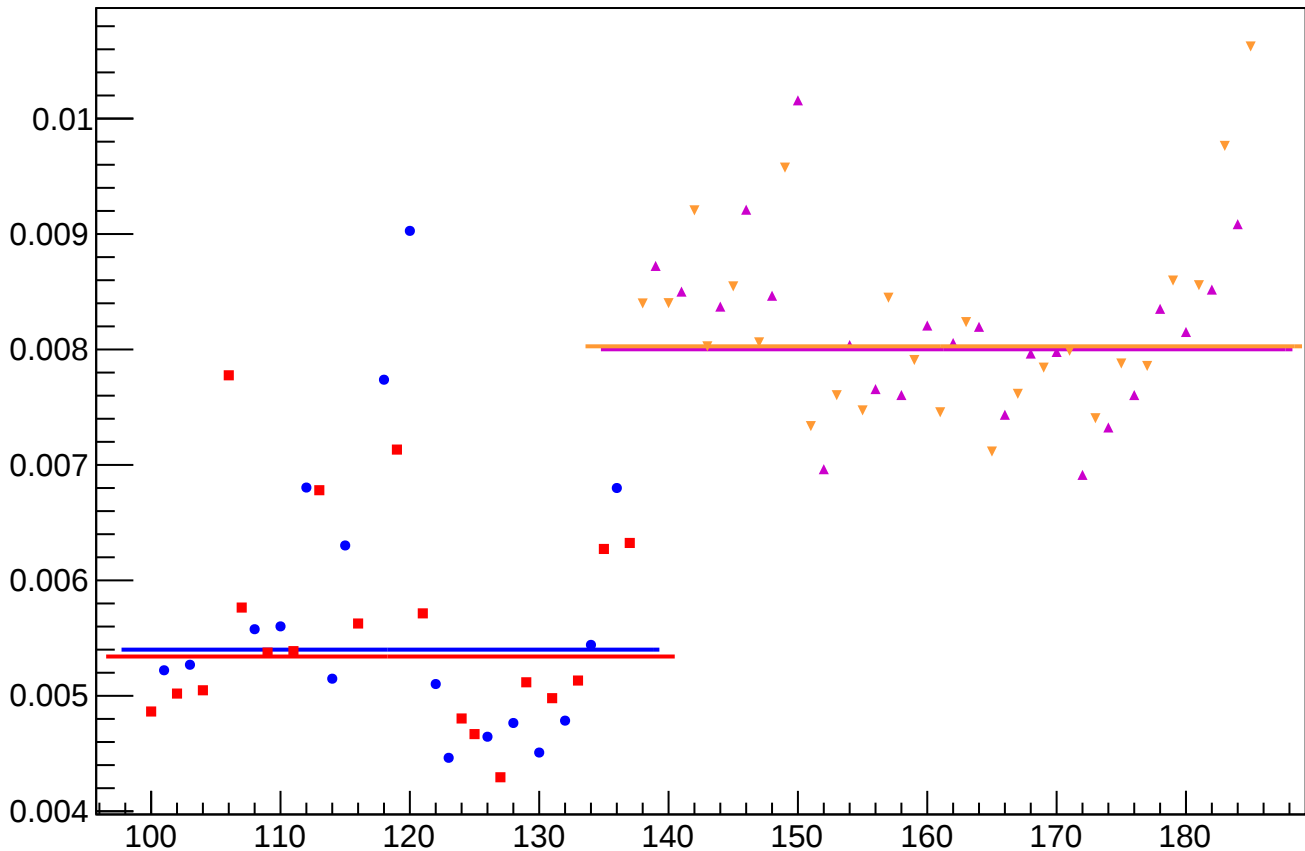
Left In: -6.121+/-0.000 χ^2/NDF : 158315913062.3/22

+ sign -6.039+/-0.000 χ^2/NDF : 200349278180.1/41

All: -6.032+/-0.000 χ^2/NDF : 376279210515.9

- 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 :205485.5/24

Right Out: 0.005+/-0.000 χ^2/NDF : 251605.9/18

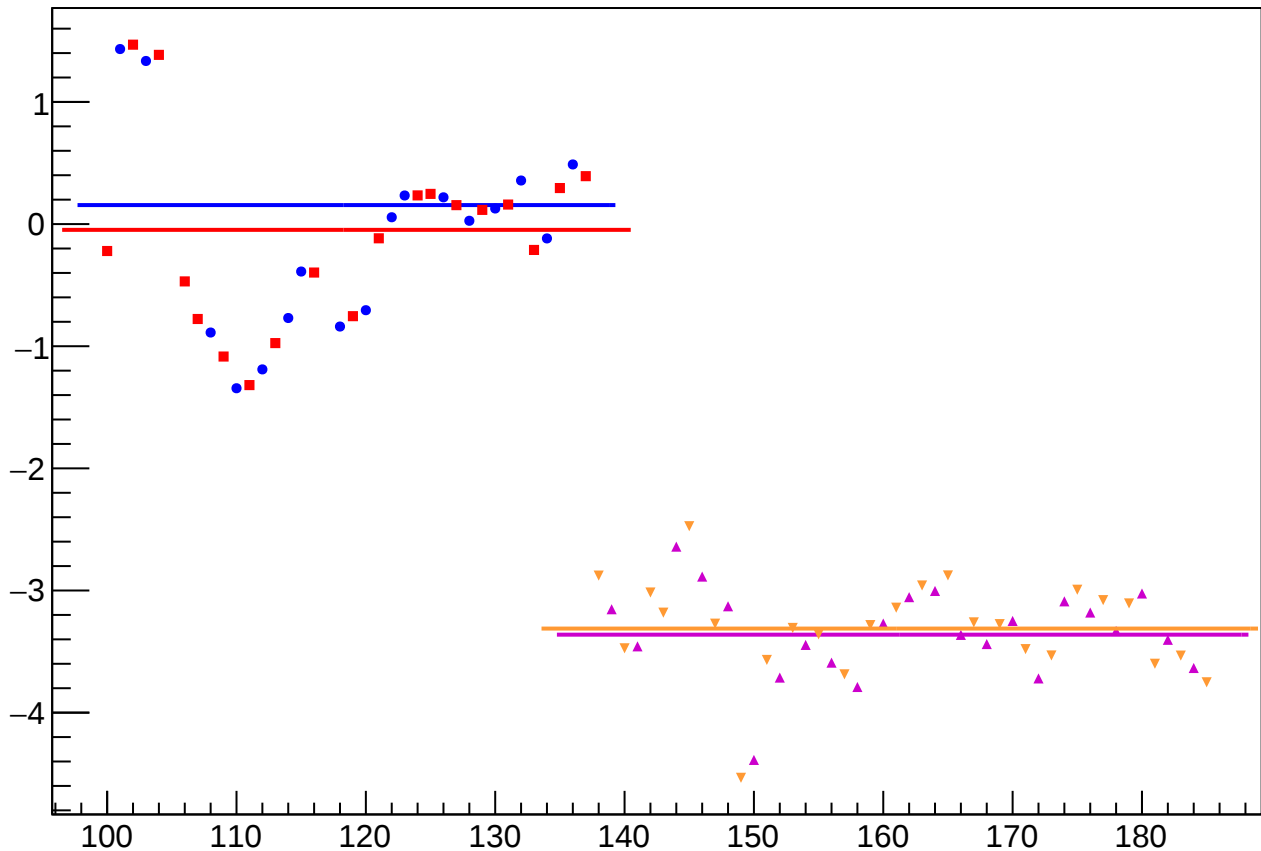
Left In: 0.008+/-0.000 χ^2/NDF :220756.1/22

+ sign 0.007+/-0.000 χ^2/NDF : 2134439.8/41

All: 0.007+/-0.000 χ^2/NDF : 4272099.1/83

- 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: -3.312+/-0.000 χ^2/NDF : 9343115495.2/24

Right Out: -0.047+/-0.000 χ^2/NDF : 21207878974.4/18

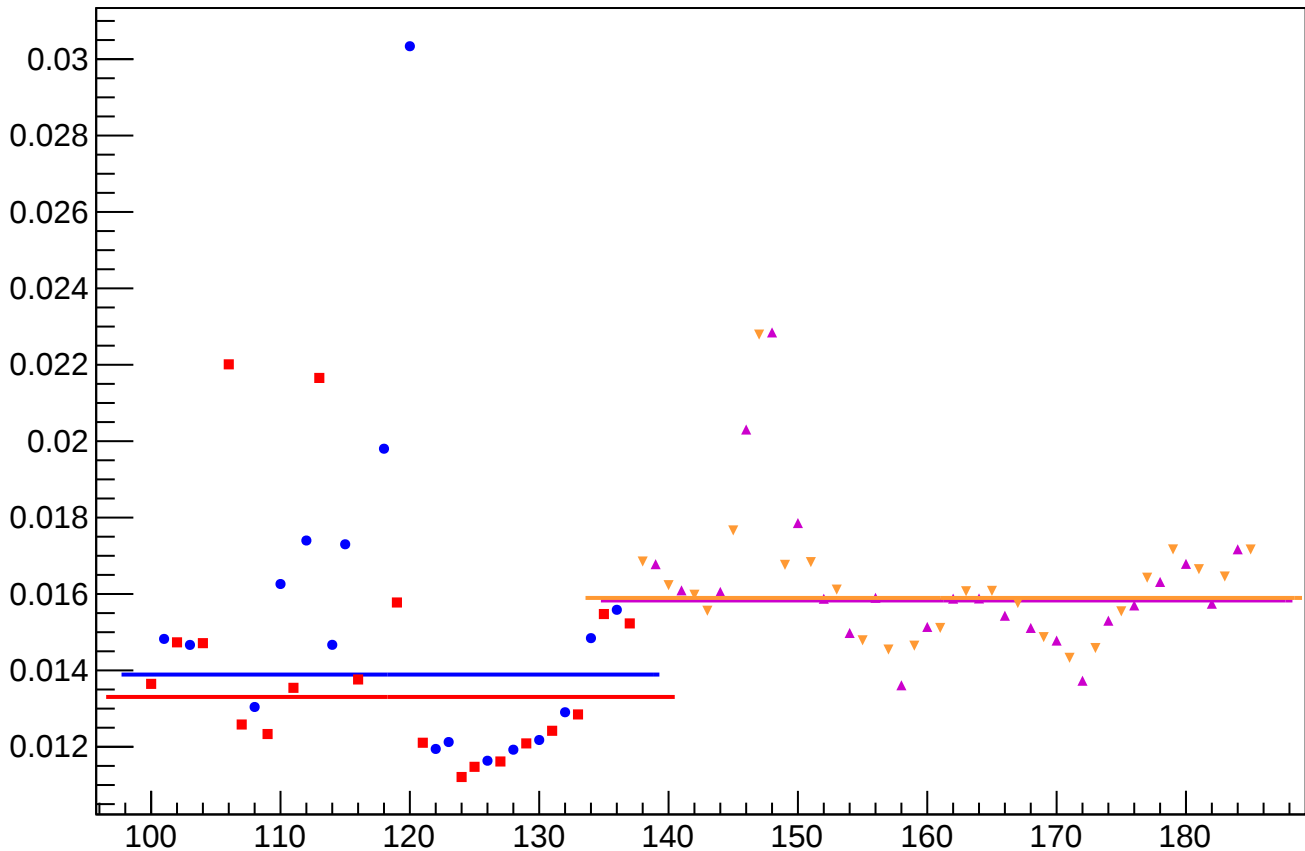
Left In: -3.362+/-0.000 χ^2/NDF : 8171803777.4/22

+ sign -2.253+/-0.000 χ^2/NDF : 281591956984.9/41

All: -2.220+/-0.000 χ^2/NDF : 569116443939.4

- sign -2.187+/-0.000 χ^2/NDF : 287305190685.0/41

yield_bpm0l02X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 401280.4/16

Left Out: 0.016 $\pm$ 0.000 χ^2 /NDF:252192.9/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 293774.0/18

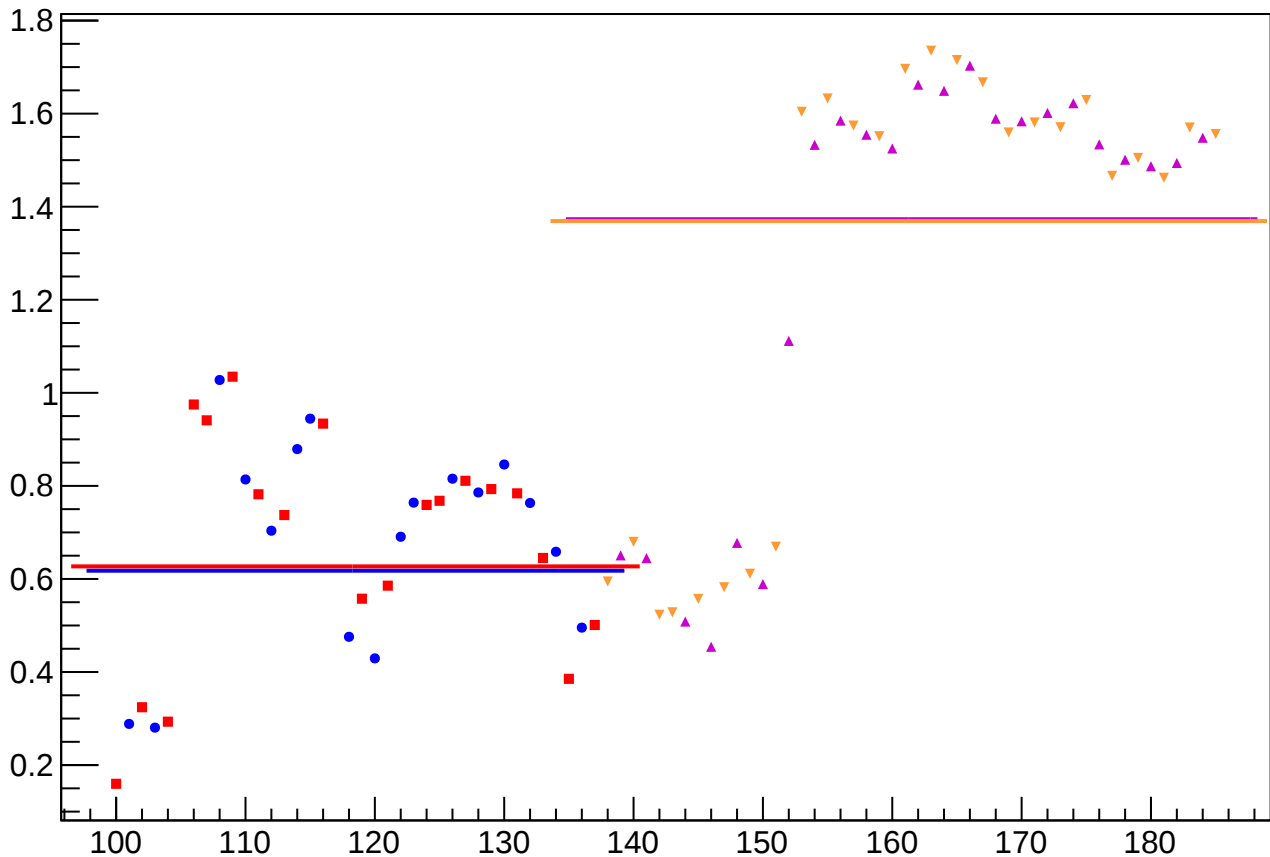
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:339542.1/22

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 824335.9/41

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 1769457.0/83

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 932804.4/41

yield_bpm0l02Y_mean vs Slug



Right In: 0.618 $\pm$ 0.000 χ^2 /NDF: 5402179431.9/16

Left Out: 1.369 $\pm$ 0.000 χ^2 /NDF: 73412059030.0/24

Right Out: 0.627 $\pm$ 0.000 χ^2 /NDF: 6335950203.8/18

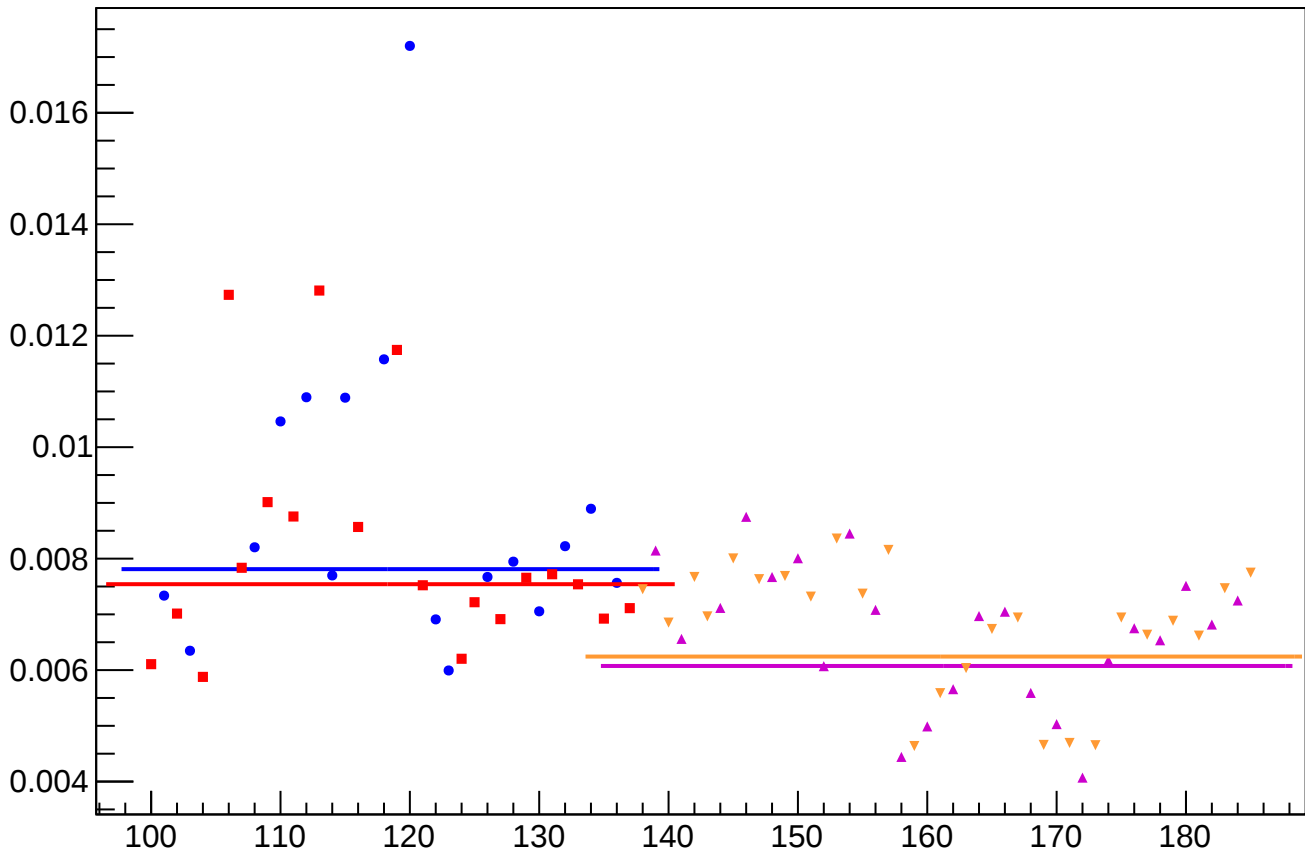
Left In: 1.373 $\pm$ 0.000 χ^2 /NDF: 63413151416.3/22

+ sign 1.232 $\pm$ 0.000 χ^2 /NDF: 122635770965.2/41

All: 1.227 $\pm$ 0.000 χ^2 /NDF: 240626169996.7

- sign 1.222 $\pm$ 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 :1327781.6/24

Right Out: 0.008+/-0.000 χ^2/NDF : 441480.1/18

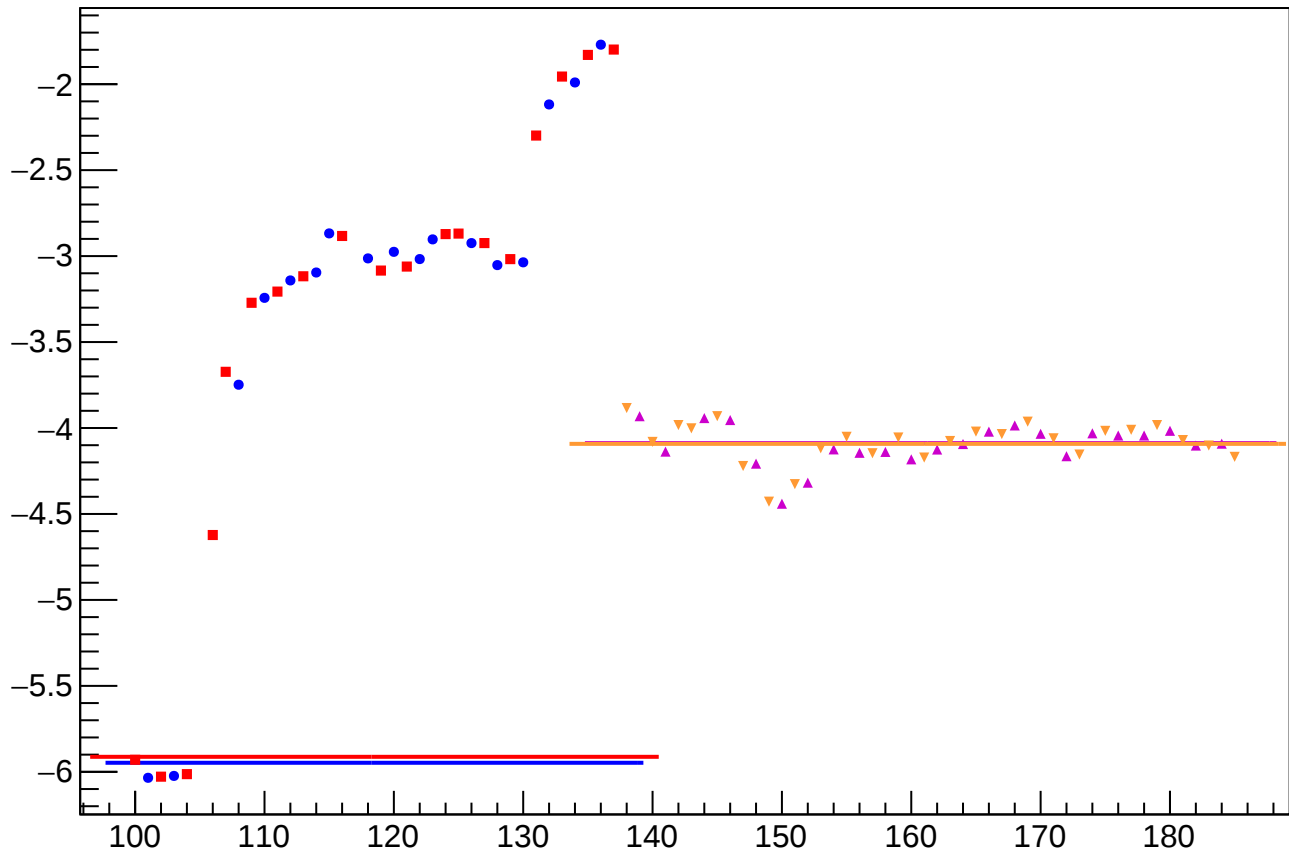
Left In: 0.006+/-0.000 χ^2/NDF :1431986.5/22

+ sign 0.007+/-0.000 χ^2/NDF : 2176934.7/41

All: 0.006+/-0.000 χ^2/NDF : 4436609.3/83

- 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: -4.092+/-0.000 χ^2/NDF : 39686695.7/24

Right Out: -5.913+/-0.000 χ^2/NDF : 14598904051.6/18

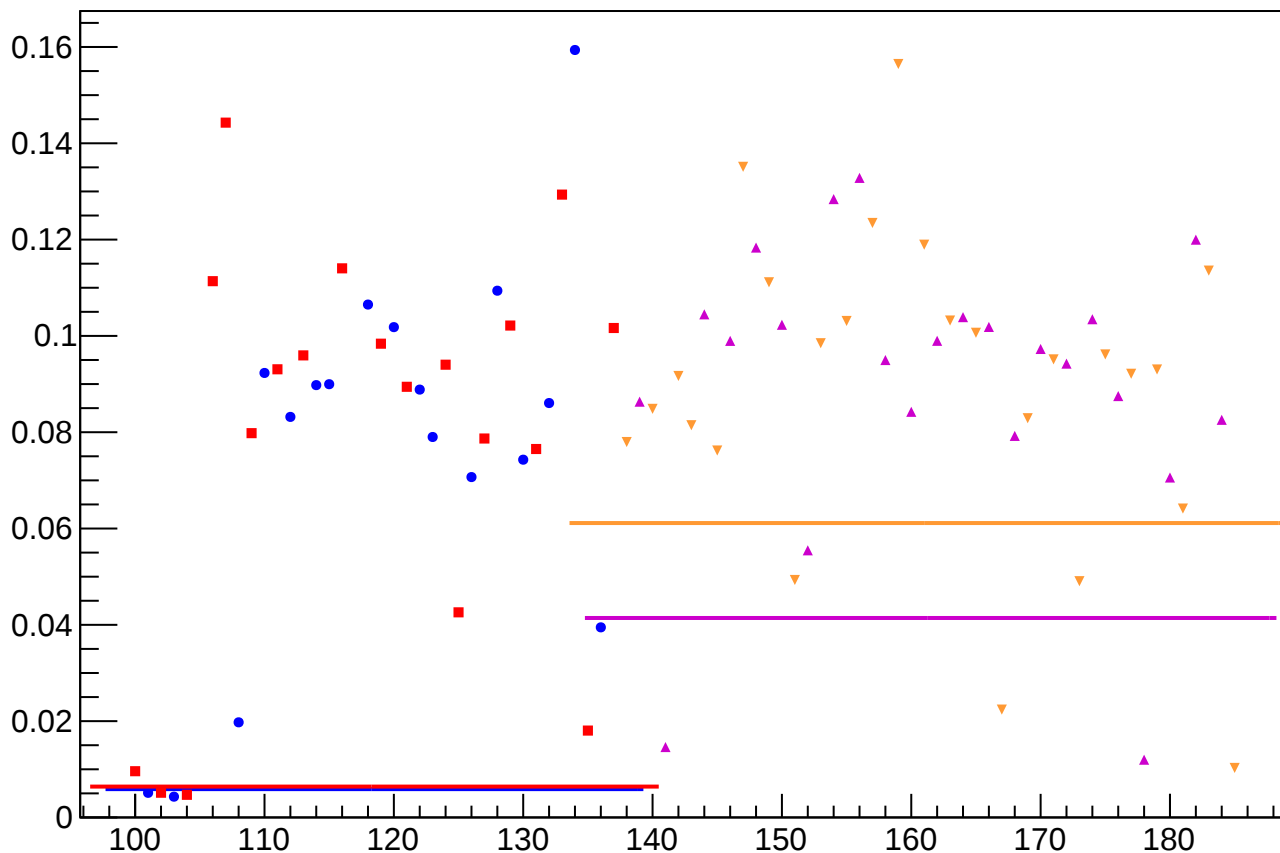
Left In: -4.088+/-0.000 χ^2/NDF : 34412880.7/22

+ sign -5.839+/-0.000 χ^2/NDF : 22679540156.9/41

All: -5.789+/-0.000 χ^2/NDF : 50364827787.7

- sign -5.729+/-0.000 χ^2/NDF : 27408307946.5/41

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 7912012.3/16

Left Out: 0.061 $\pm$ 0.000 χ^2 /NDF:8331262.0/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 8462409.6/18

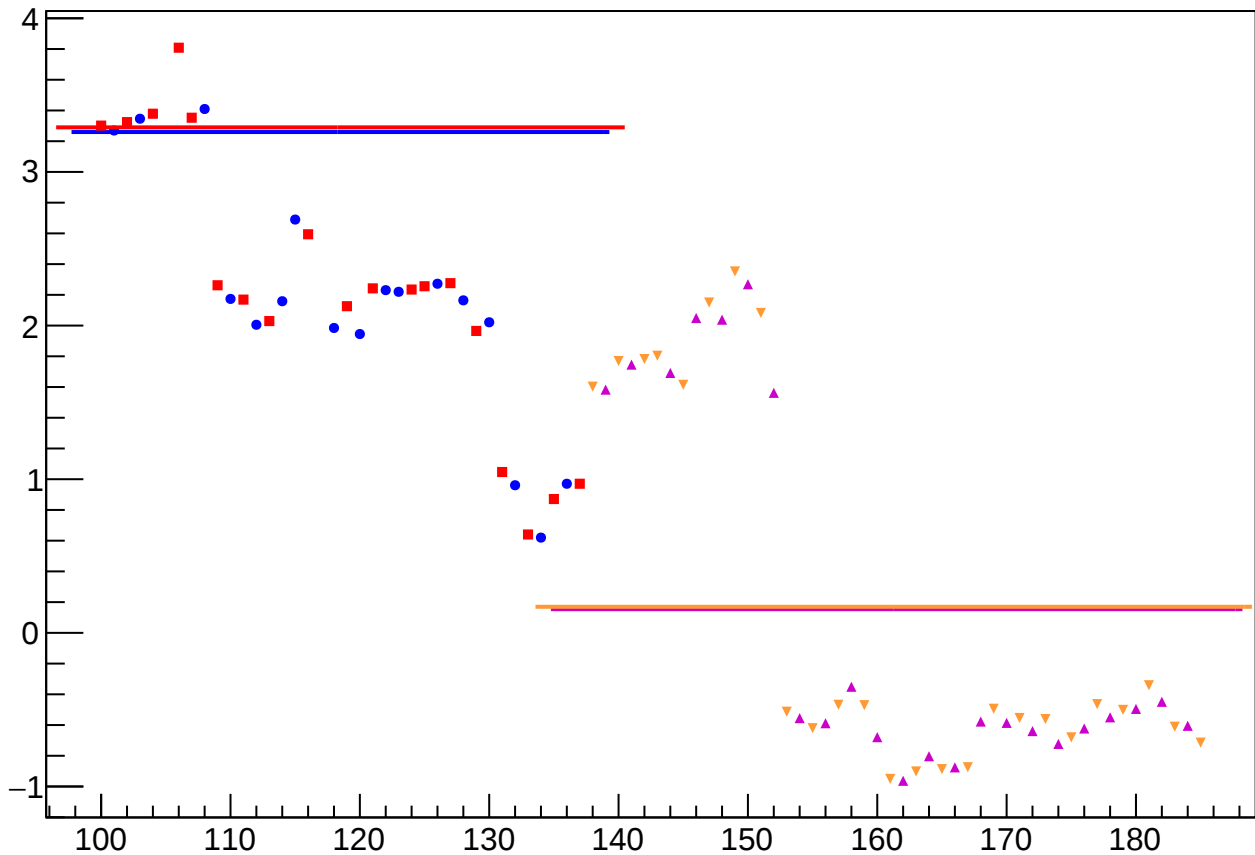
Left In: 0.041 $\pm$ 0.000 χ^2 /NDF:13124468.7/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 33151386.7/41

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 64174645.1/83

- sign 0.010 $\pm$ 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: 0.170 $\pm$ 0.000 χ^2 /NDF:3249017260.5/24

Right Out: 3.290 $\pm$ 0.000 χ^2 /NDF: 3257931929.9/18

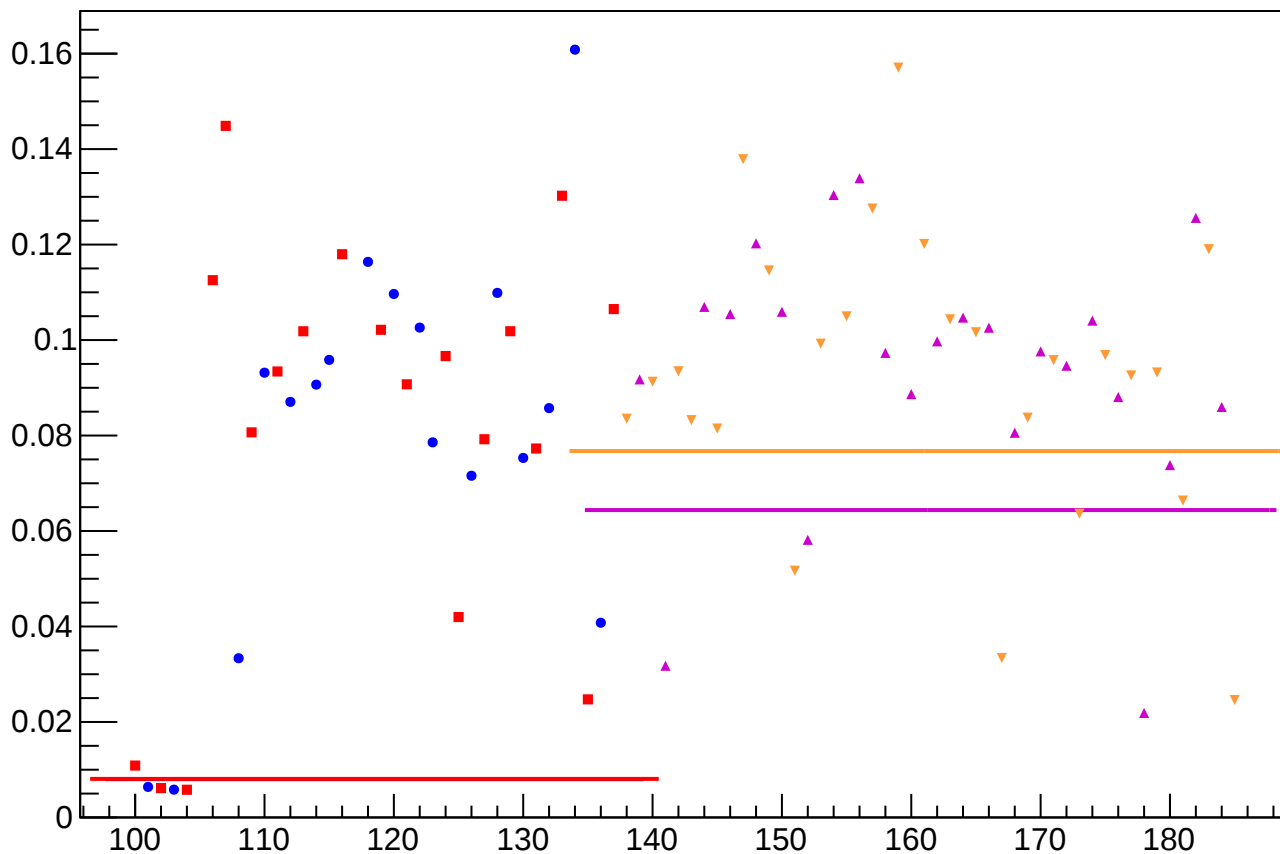
Left In: 0.154 $\pm$ 0.000 χ^2 /NDF:3163553595.0/22

+ sign 3.035 $\pm$ 0.000 χ^2 /NDF: 26144729499.0/41

All: 3.024 $\pm$ 0.000 χ^2 /NDF: 55685463685.6/8

- sign 3.012 $\pm$ 0.000 χ^2 /NDF: 29532669768.4/41

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 7721103.3/16

Left Out: 0.077+/-0.000 χ^2/NDF : 4211622.1/24

Right Out: 0.008+/-0.000 χ^2/NDF : 8274347.6/18

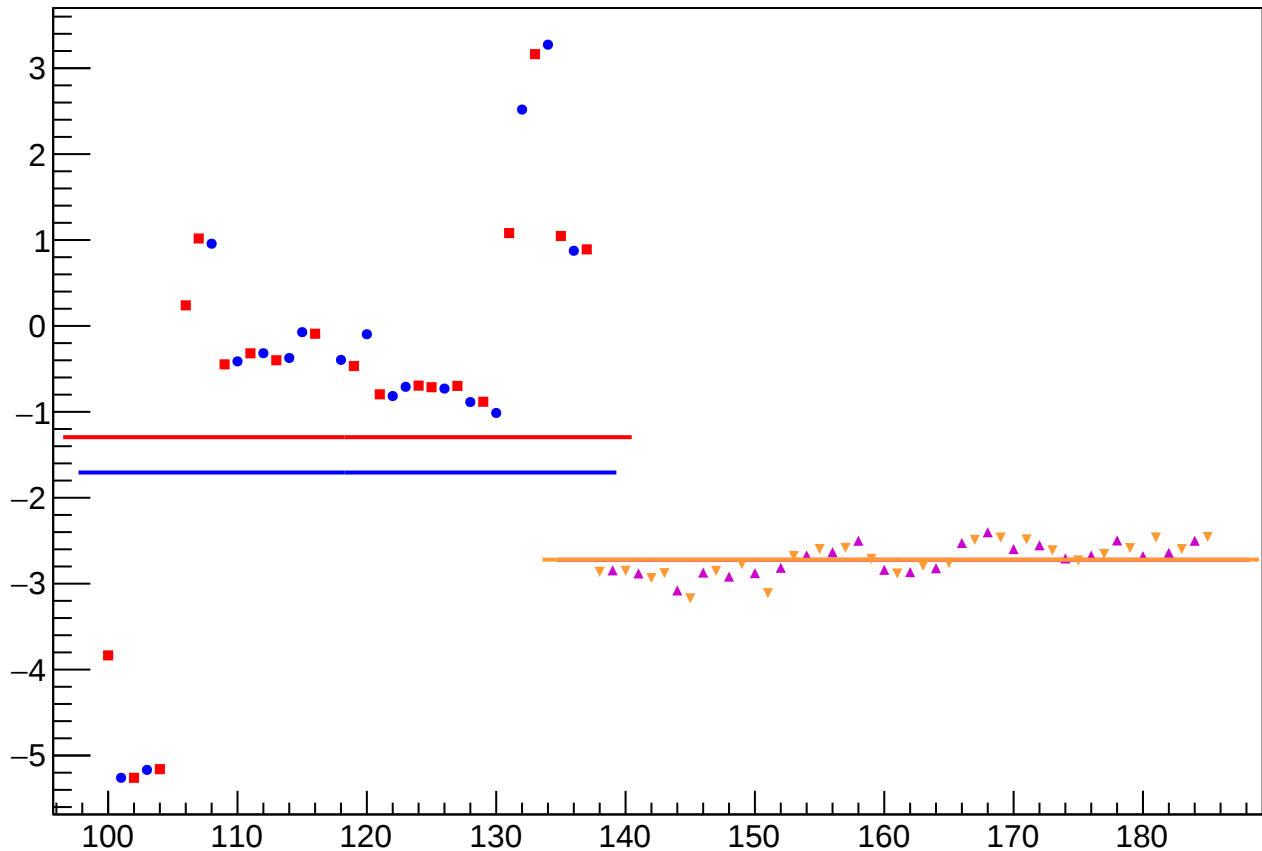
Left In: 0.064+/-0.000 χ^2/NDF : 6990231.5/22

+ sign 0.013+/-0.000 χ^2/NDF : 31700561.8/41

All: 0.013+/-0.000 χ^2/NDF : 61871726.4/83

- sign 0.013+/-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: -2.720 ± 0.000 χ^2/NDF : 10353603959.0/24

Right Out: -1.295 ± 0.000 χ^2/NDF : 178454284120.5/18

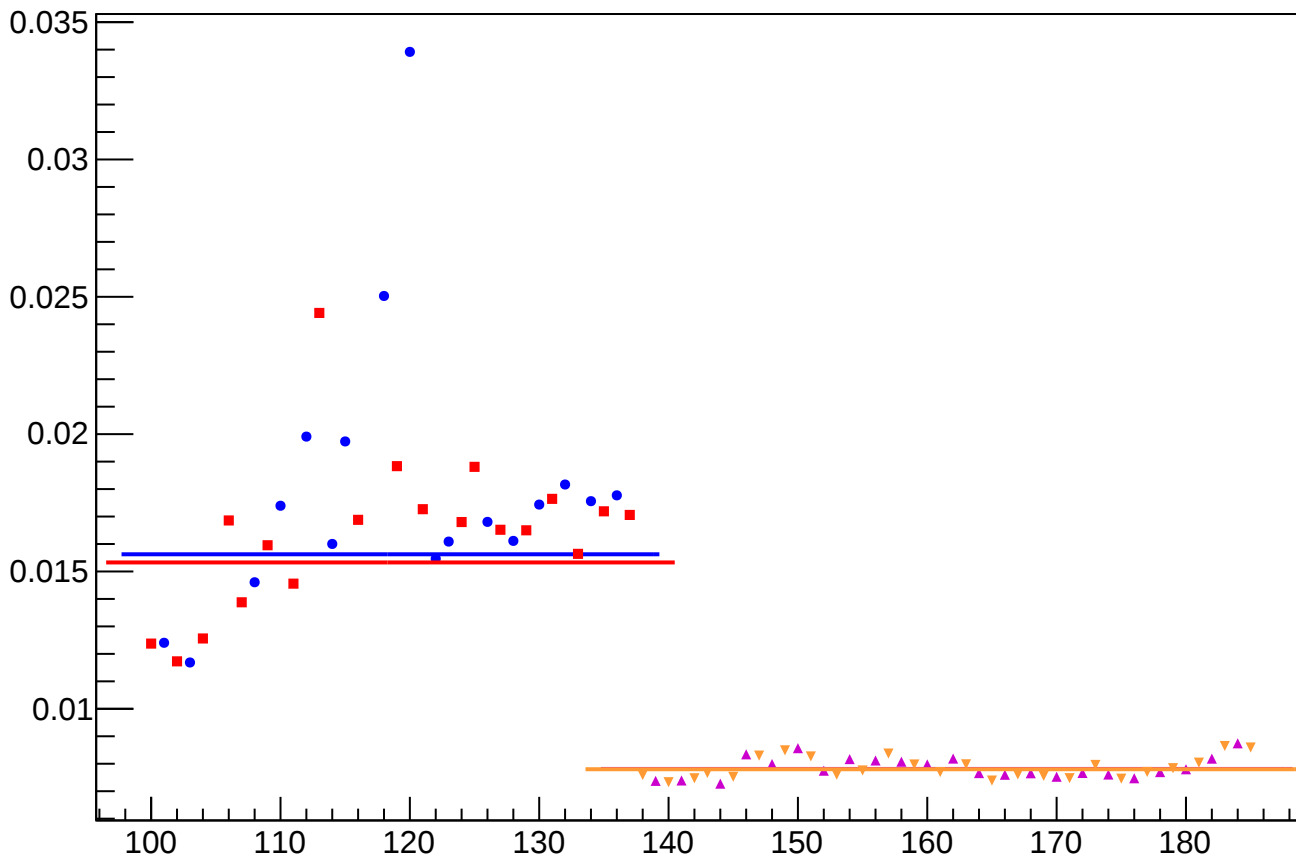
Left In: -2.722 ± 0.000 χ^2/NDF : 8146484592.1/22

+ sign -2.646 ± 0.000 χ^2/NDF : 198321934397.4/41

All: -2.622 ± 0.000 χ^2/NDF : 434207834986.4

- sign -2.597 ± 0.000 χ^2/NDF : 235514276328.1/41

yield_bpm0l04X_rms vs Slug



Right In: 0.016 $\pm$ 0.000 χ^2/NDF : 576262.6/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 71585.7/24

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 349445.5/18

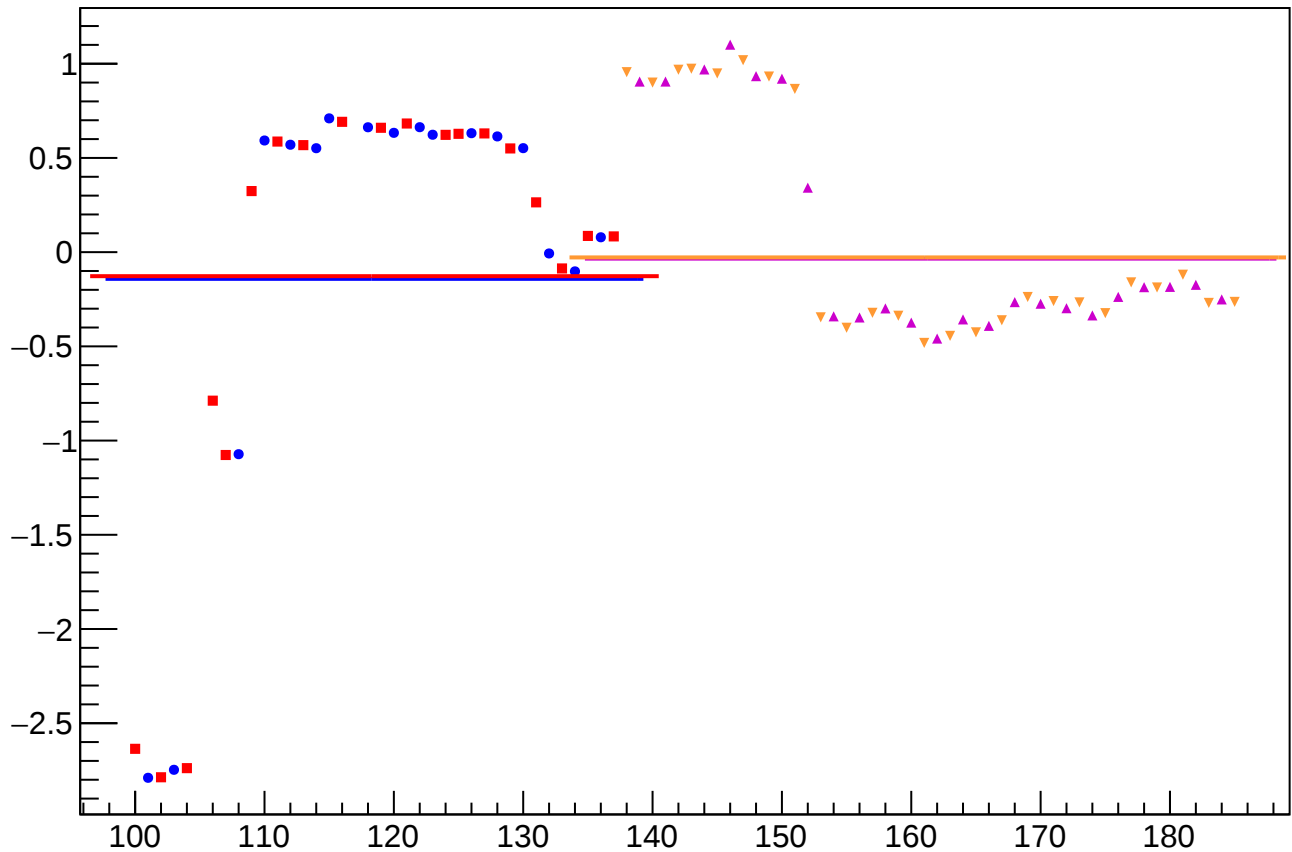
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 67610.2/22

+ sign 0.008 $\pm$ 0.000 χ^2/NDF : 3246112.2/41

All: 0.008 $\pm$ 0.000 χ^2/NDF : 6381564.4/83

- sign 0.008 $\pm$ 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: -0.028+/-0.000 χ^2 /NDF:133549992830.0/24

Right Out: -0.128+/-0.000 χ^2 /NDF: 760638736693.8/18

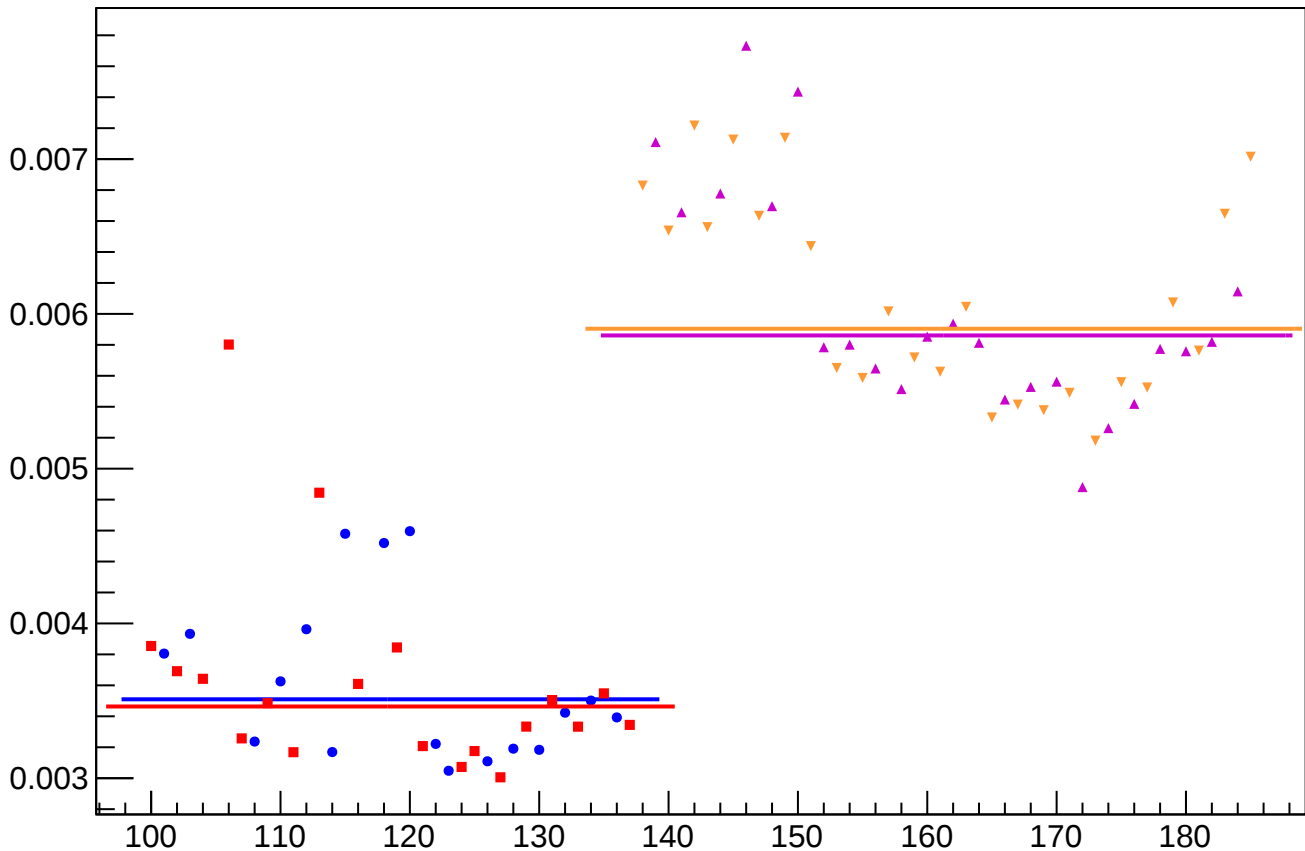
Left In: -0.034+/-0.000 χ^2 /NDF:113929060918.1/22

+ sign -0.086+/-0.000 χ^2 /NDF: 850708198239.1/41

All: -0.086+/-0.000 χ^2 /NDF: 1727481472680

- sign -0.085+/-0.000 χ^2 /NDF: 876772351249.8/41

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 171943.8/16

Left Out: 0.006+/-0.000 χ^2/NDF : 310438.9/24

Right Out: 0.003+/-0.000 χ^2/NDF : 215500.5/18

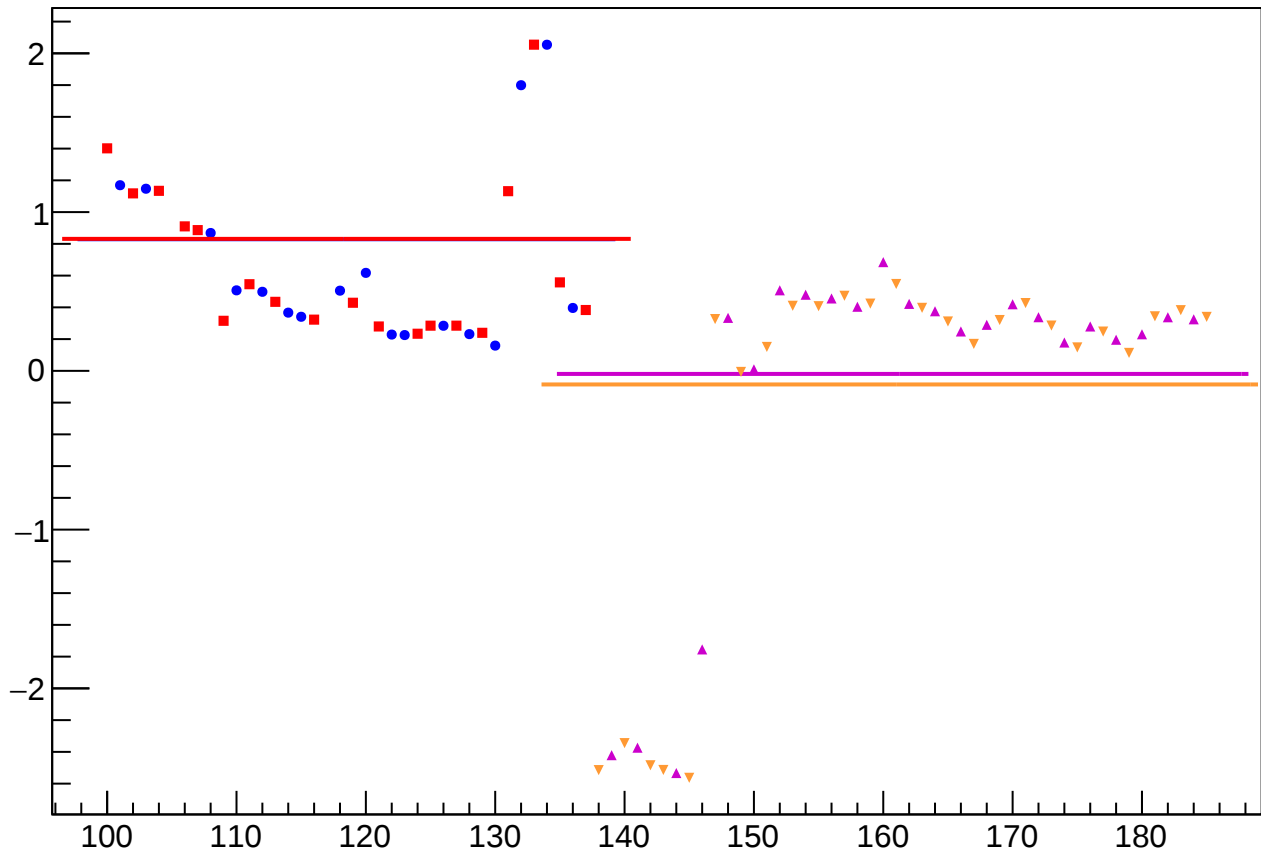
Left In: 0.006+/-0.000 χ^2/NDF : 364512.1/22

+ sign 0.005+/-0.000 χ^2/NDF : 3321636.4/41

All: 0.005+/-0.000 χ^2/NDF : 6833484.2/83

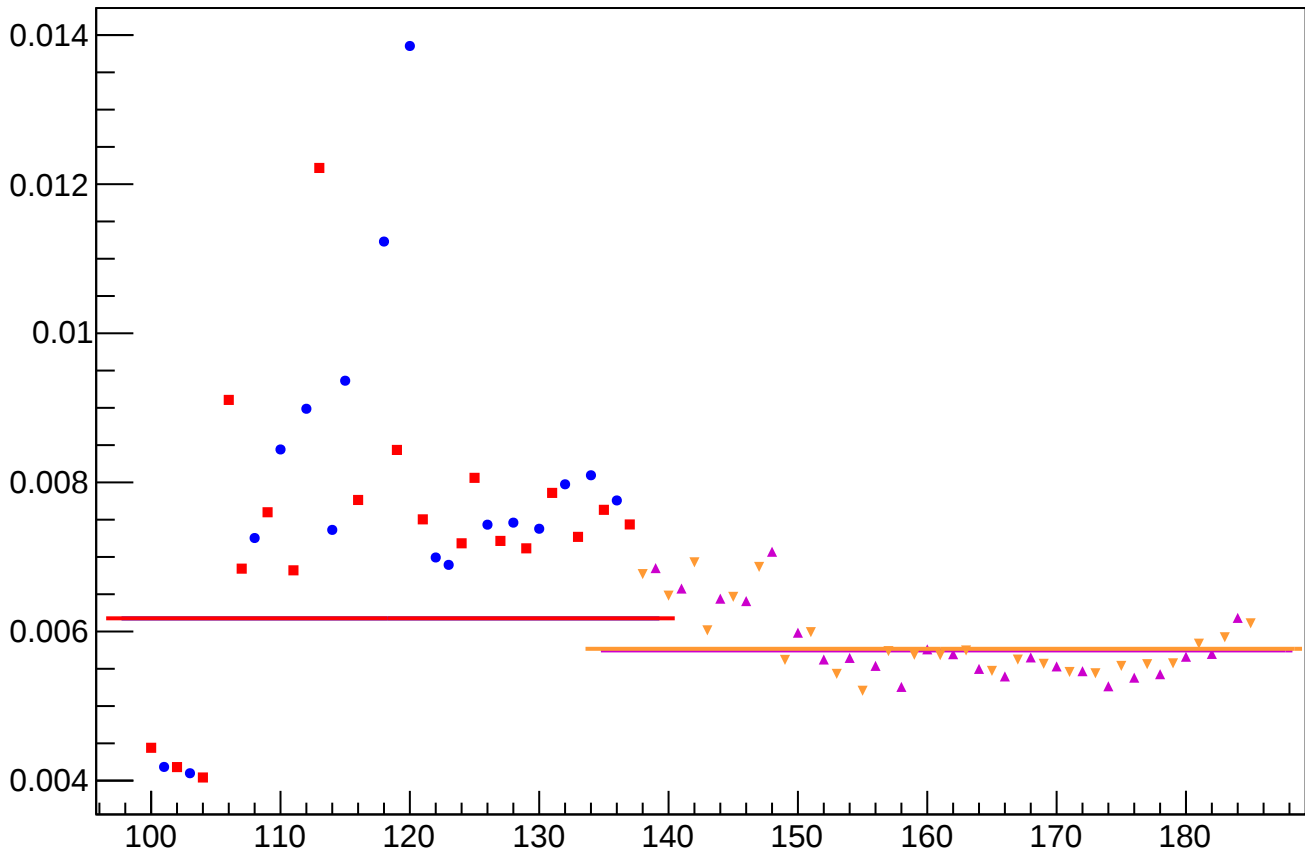
- sign 0.005+/-0.000 χ^2/NDF : 3497977.6/41

yield_bpm0l05X_mean vs Slug



Right In: 0.829+/-0.000	χ^2/NDF : 31663410264.3/16	+ sign 0.109+/-0.000	χ^2/NDF : 616714145301.4/41
Left Out: -0.086+/-0.000	χ^2/NDF : 493511623705.3/24	All: 0.145+/-0.000	χ^2/NDF : 1152938764889.
Right Out: 0.831+/-0.000	χ^2/NDF : 33383369168.0/18	- sign 0.181+/-0.000	χ^2/NDF : 534564490191.2/41
Left In: -0.019+/-0.000	χ^2/NDF : 417104863944.5/22		

yield_bpm0l05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1221890.6/16

Left Out: 0.006+/-0.000 χ^2/NDF :175588.0/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1020690.2/18

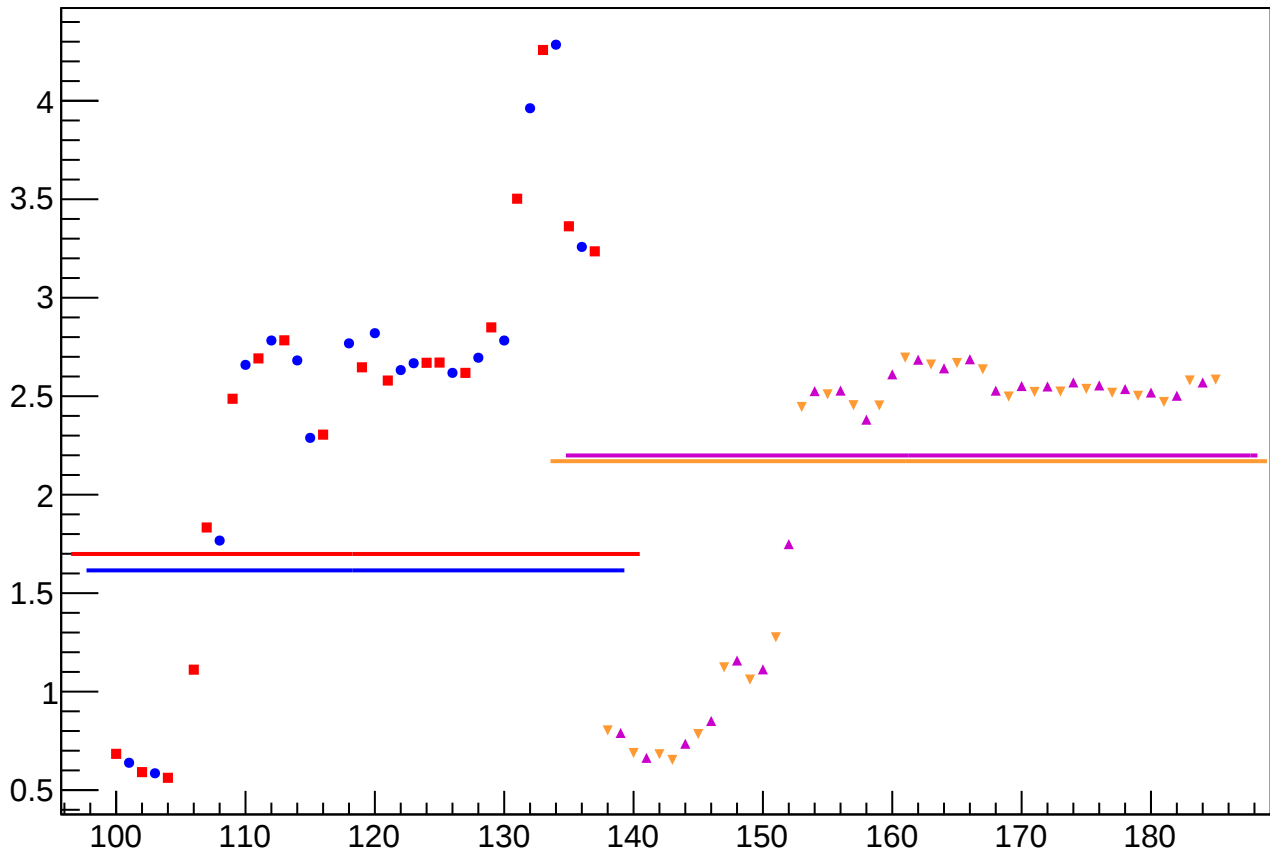
Left In: 0.006+/-0.000 χ^2/NDF :204066.4/22

+ sign 0.006+/-0.000 χ^2/NDF : 1433784.2/41

All: 0.006+/-0.000 χ^2/NDF : 2701651.7/83

- sign 0.006+/-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: 2.170+/-0.000 χ^2/NDF : 288211149973.9/24

Right Out: 1.699+/-0.000 χ^2/NDF : 227853059871.9/18

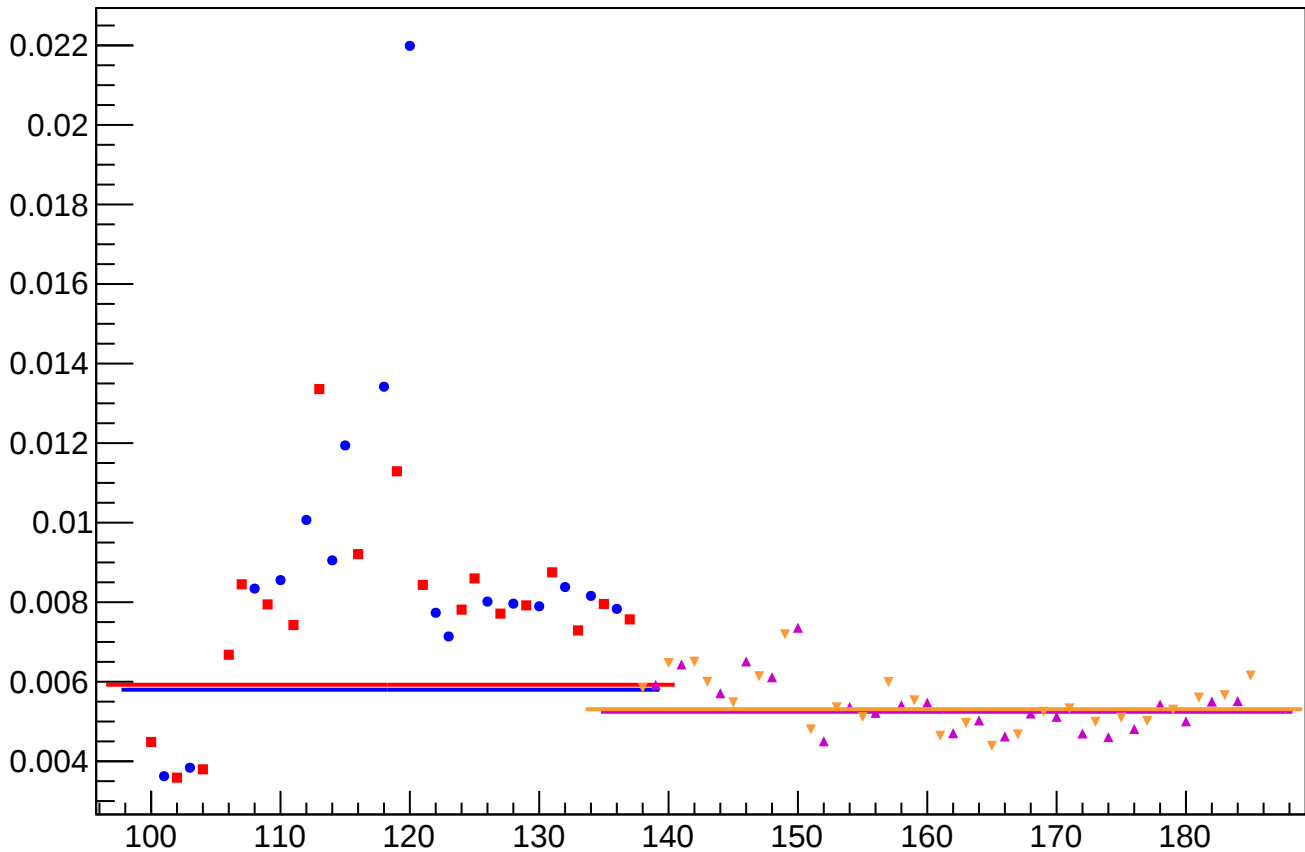
Left In: 2.199+/-0.000 χ^2/NDF : 253166239065.4/22

+ sign 2.061+/-0.000 χ^2/NDF : 526247302879.0/41

All: 2.078+/-0.000 χ^2/NDF : 1037758444440.

- 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 : 393293.3/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1677224.2/18

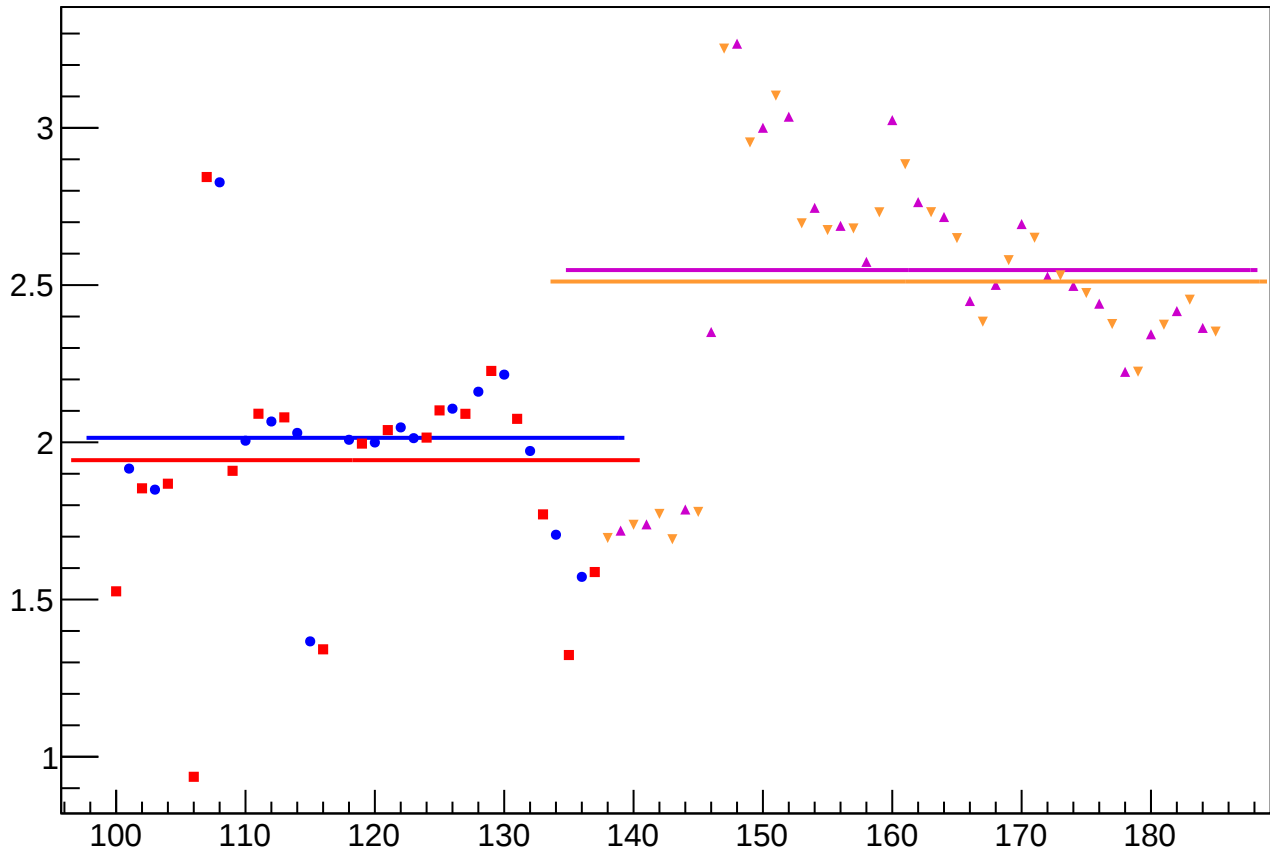
Left In: 0.005+/-0.000 χ^2/NDF : 425864.8/22

+ sign 0.005+/-0.000 χ^2/NDF : 2359615.9/41

All: 0.005+/-0.000 χ^2/NDF : 4573957.4/83

- 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: 2.511 $\pm$ 0.000 χ^2 /NDF: 51366348635.2/24

Right Out: 1.943 $\pm$ 0.000 χ^2 /NDF: 21416554404.5/18

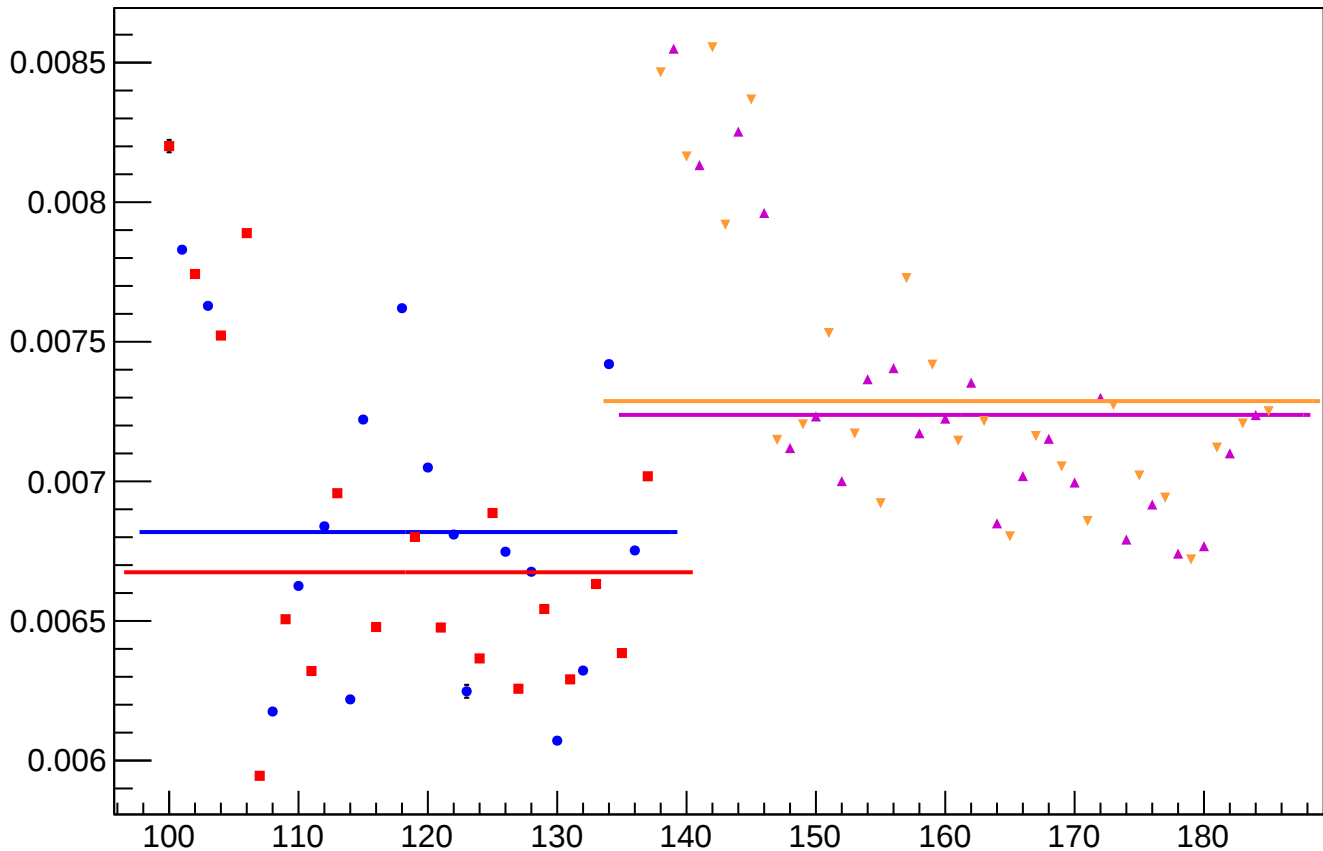
Left In: 2.548 $\pm$ 0.000 χ^2 /NDF: 45350336058.7/22

+ sign 2.365 $\pm$ 0.000 χ^2 /NDF: 87346628051.7/41

All: 2.358 $\pm$ 0.000 χ^2 /NDF: 191665254043.9

- 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 :137979.4/24

Right Out: 0.007+/-0.000 χ^2/NDF : 76755.5/18

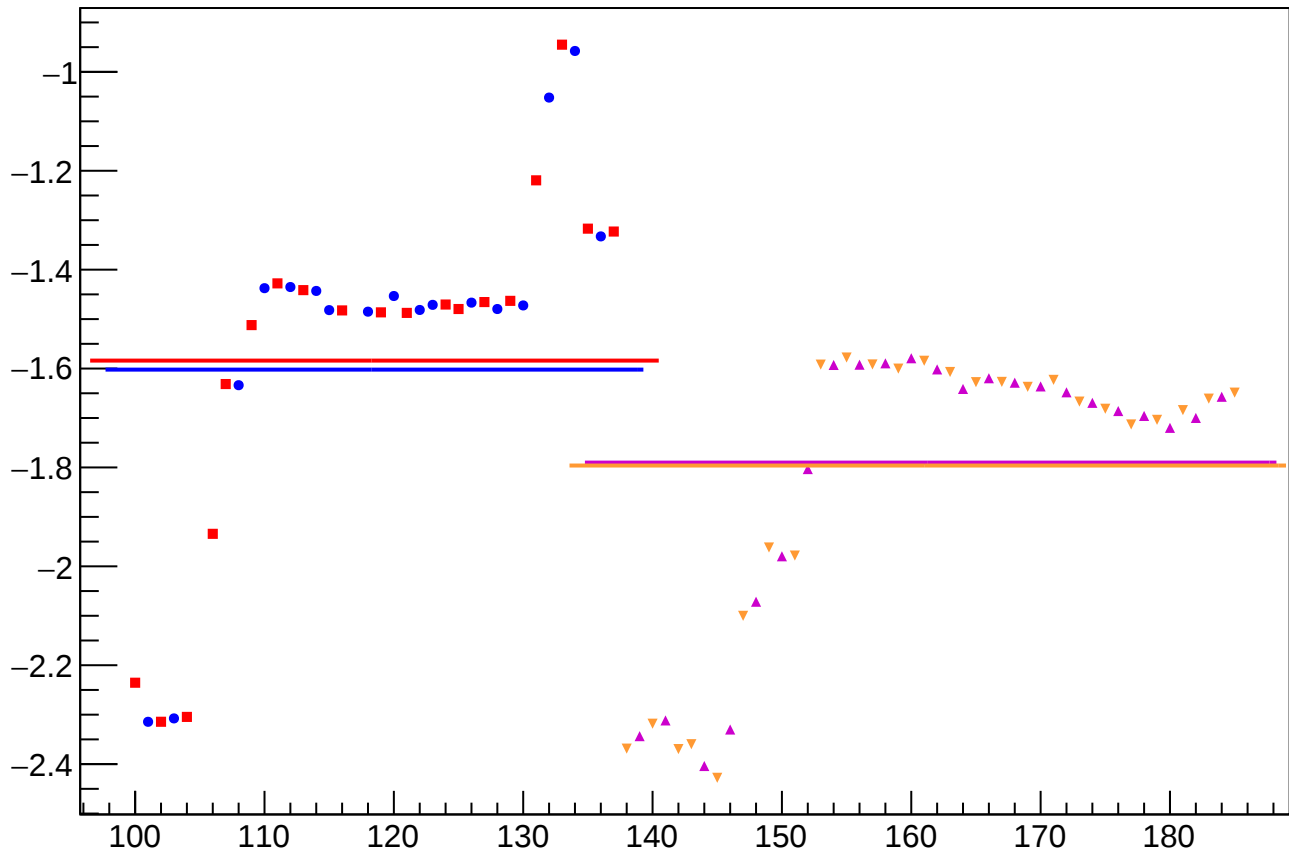
Left In: 0.007+/-0.000 χ^2/NDF :125233.2/22

+ sign 0.007+/-0.000 χ^2/NDF : 257195.8/41

All: 0.007+/-0.000 χ^2/NDF : 528512.7/83

- 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: -1.796+/-0.000 χ^2/NDF : 181514724830.5/24

Right Out: -1.584+/-0.000 χ^2/NDF : 143827090276.5/18

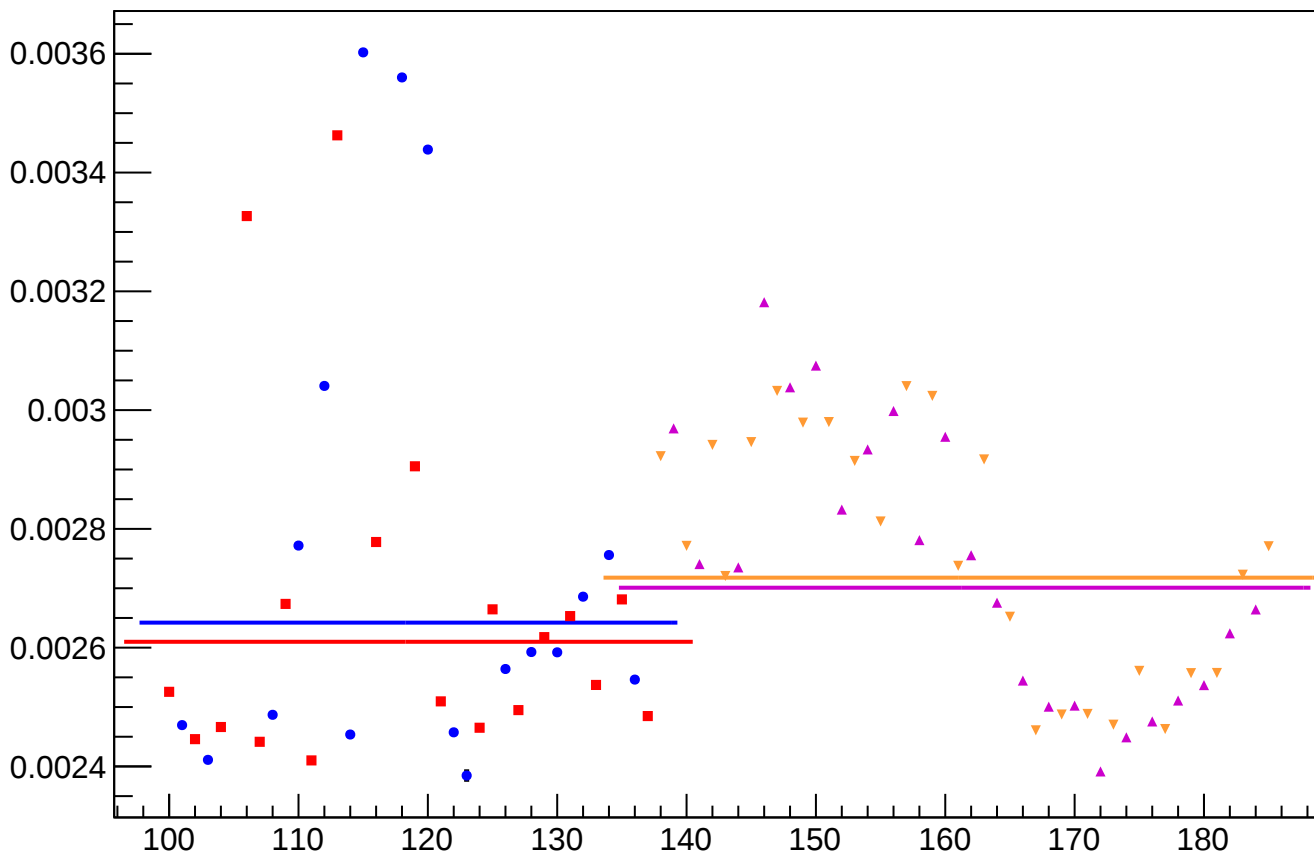
Left In: -1.790+/-0.000 χ^2/NDF : 159648935510.8/22

+ sign -1.743+/-0.000 χ^2/NDF : 346107217066.4/41

All: -1.735+/-0.000 χ^2/NDF : 679007879731.3

- 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 :199657.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 104781.3/18

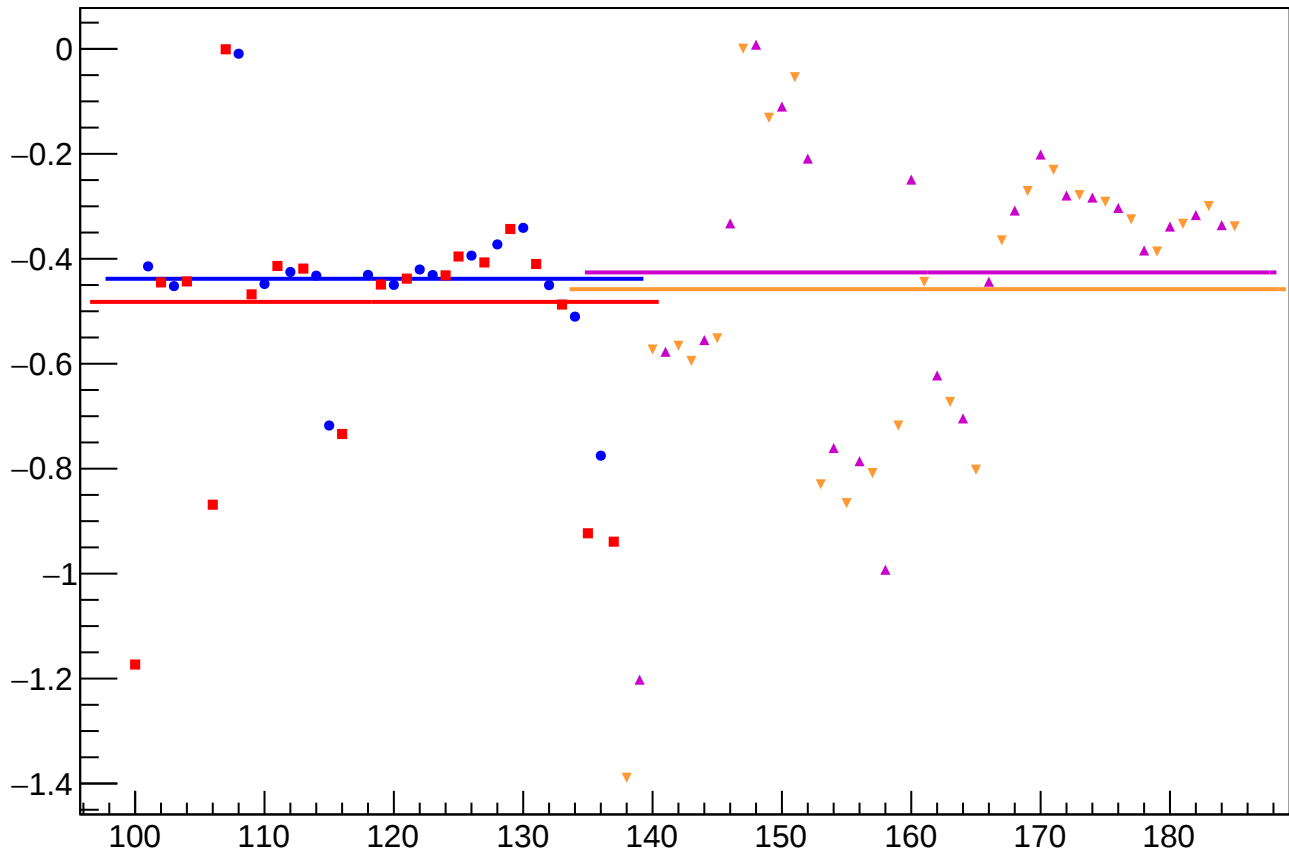
Left In: 0.003+/-0.000 χ^2/NDF :220327.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 359019.8/41

All: 0.003+/-0.000 χ^2/NDF : 697244.2/83

- 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: -0.458+/-0.000 χ^2/NDF : 9903817652.3/24

Right Out: -0.482+/-0.000 χ^2/NDF : 2693383941.7/18

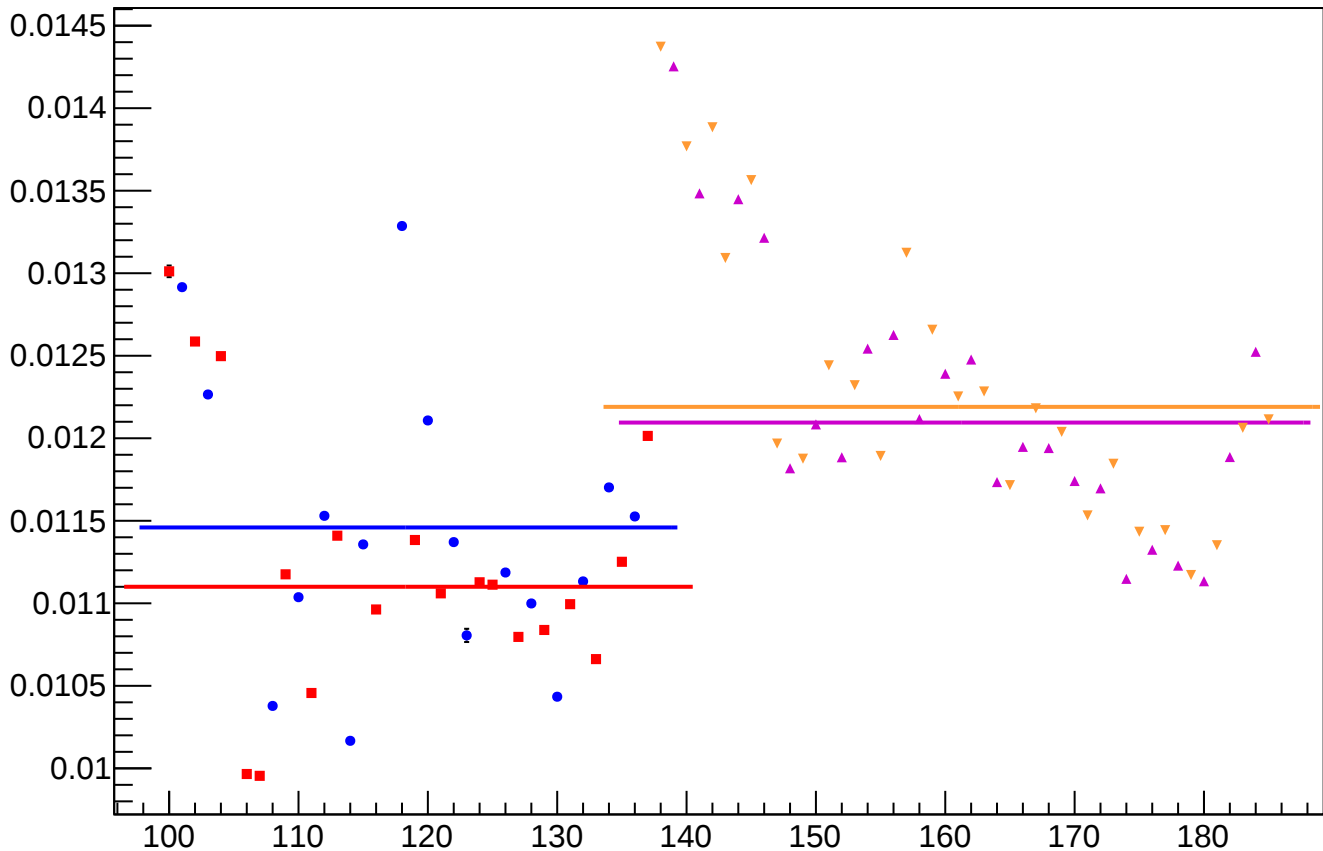
Left In: -0.426+/-0.000 χ^2/NDF : 8424222576.0/22

+ sign -0.452+/-0.000 χ^2/NDF : 11378609895.2/41

All: -0.448+/-0.000 χ^2/NDF : 22619380972.6/41

- 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 :139244.5/24

Right Out: 0.011+/-0.000 χ^2/NDF : 56096.3/18

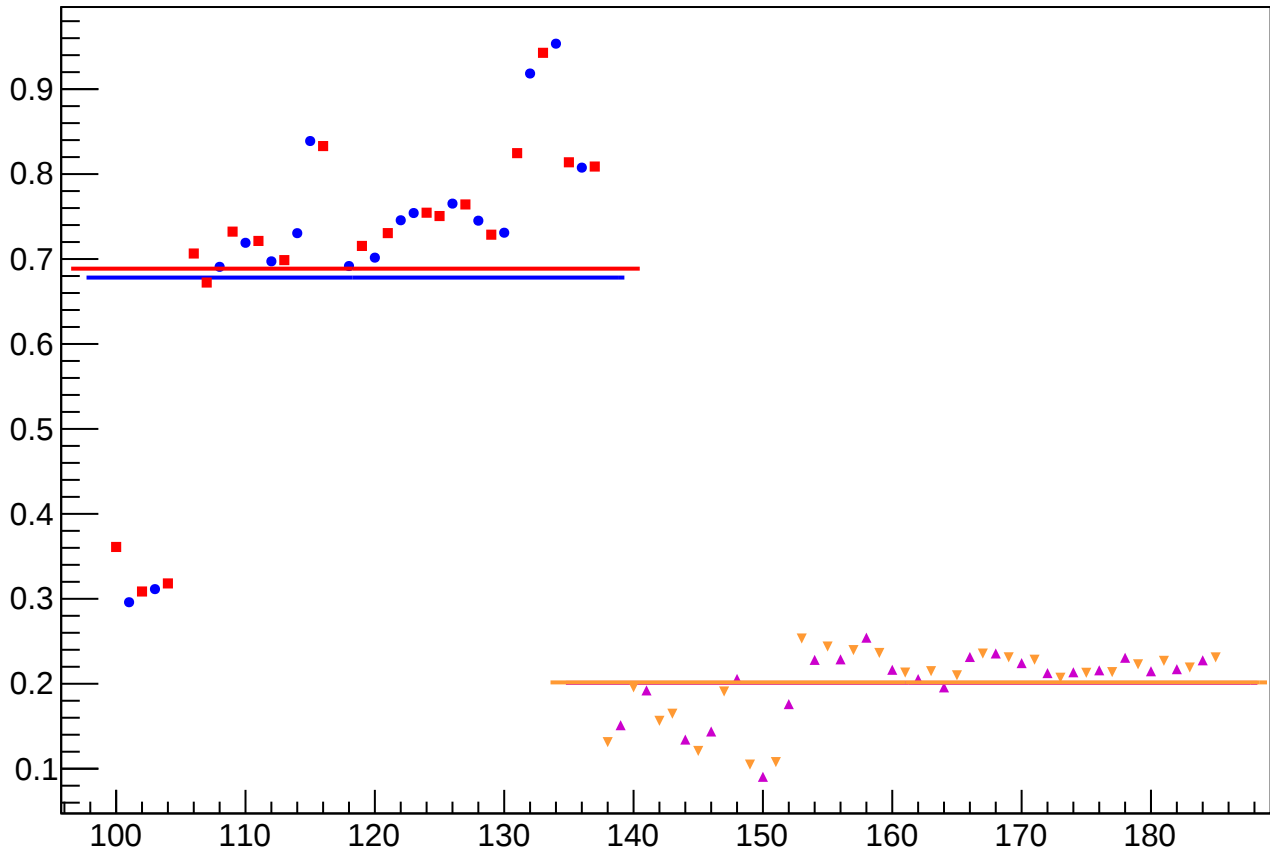
Left In: 0.012+/-0.000 χ^2/NDF :127308.3/22

+ sign 0.012+/-0.000 χ^2/NDF : 240818.3/41

All: 0.012+/-0.000 χ^2/NDF : 505897.7/83

- 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: 0.202 $\pm$ 0.000 χ^2 /NDF: 7040794268.2/24

+ sign 0.297 $\pm$ 0.000 χ^2 /NDF: 228879368207.3/41

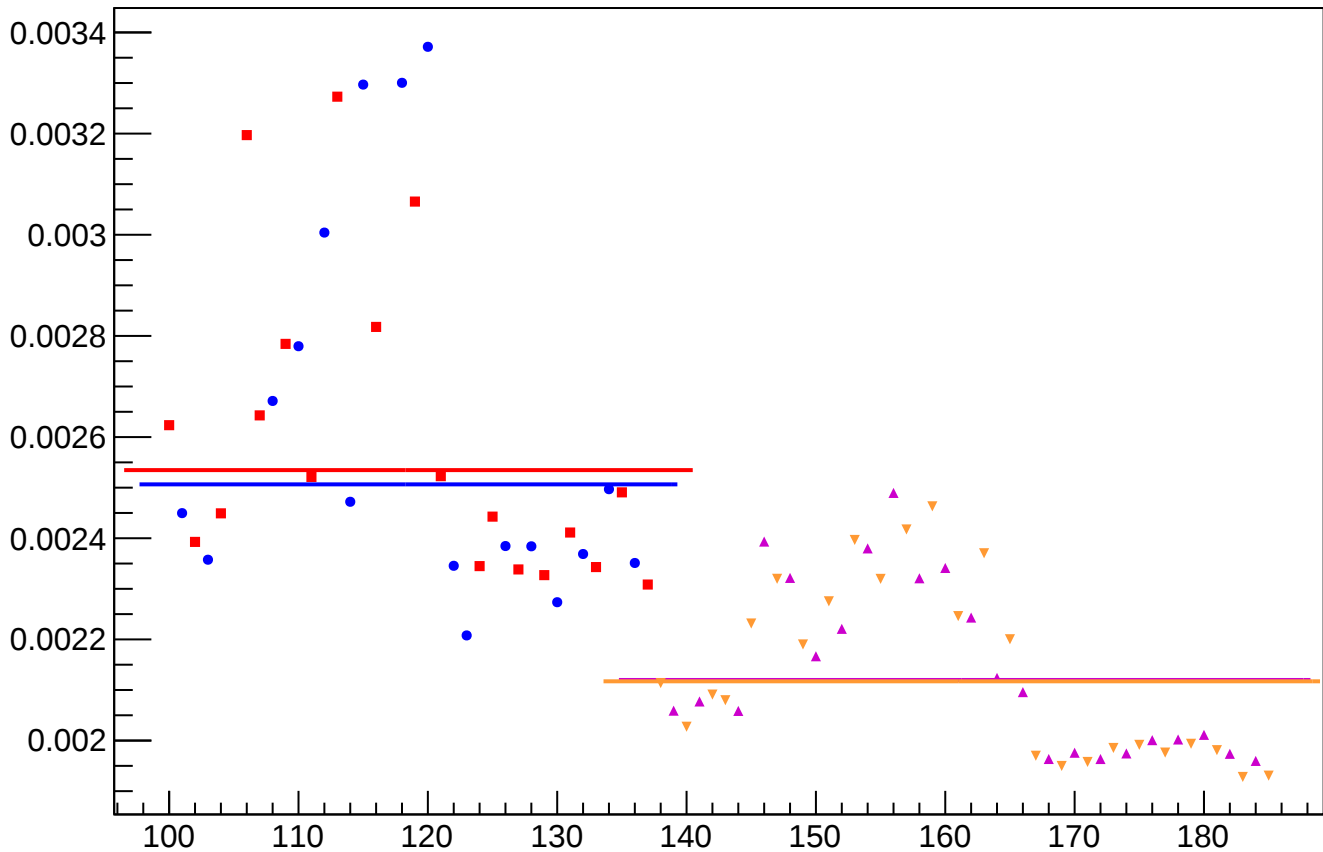
Right Out: 0.689 $\pm$ 0.000 χ^2 /NDF: 35296354242.4/18

All: 0.301 $\pm$ 0.000 χ^2 /NDF: 464193608896.2

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 $\pm$ 0.000 χ^2 /NDF: 174398.1/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:223895.6/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 131675.7/18

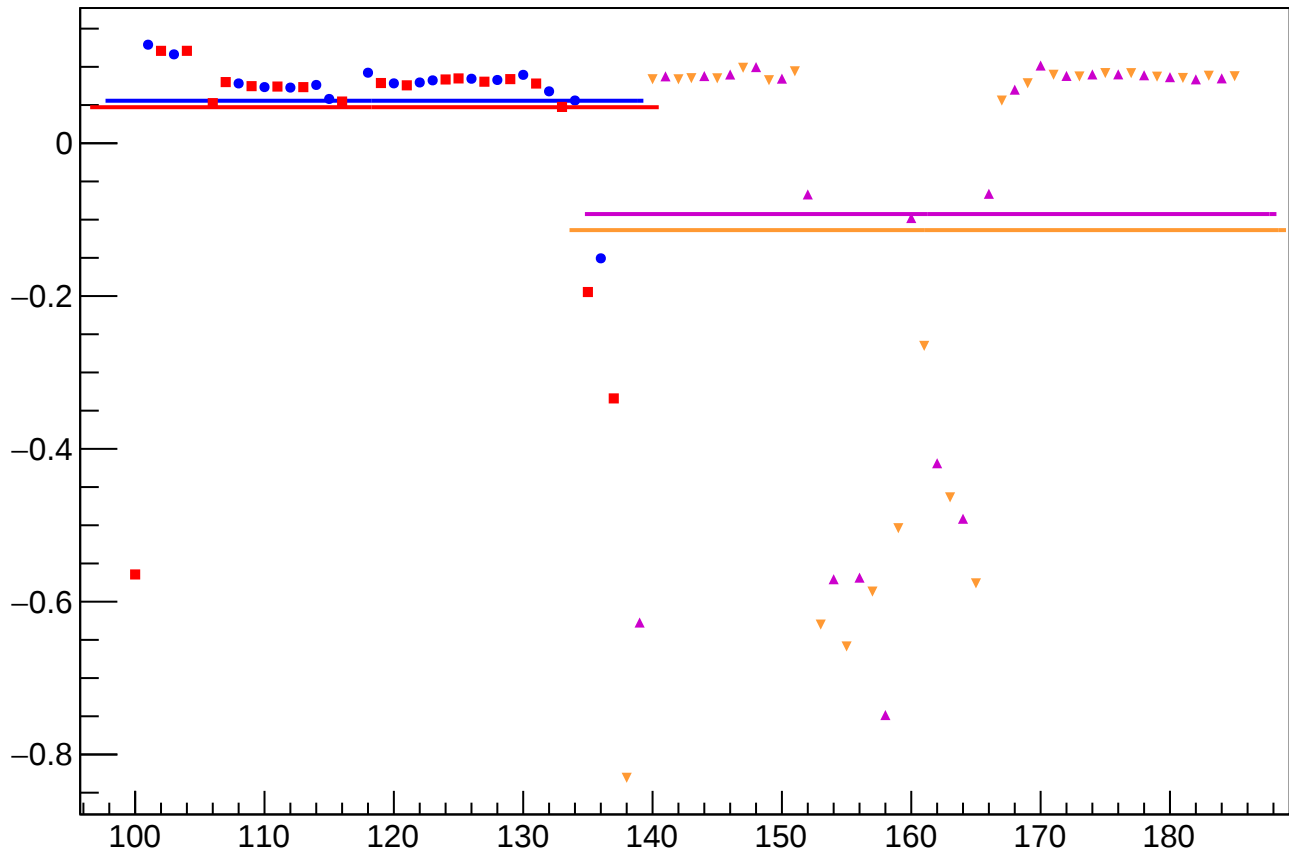
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:189228.6/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 643074.0/41

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 1246051.3/83

- sign 0.002 $\pm$ 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: -0.114+/-0.000 χ^2/NDF : 13641437094.4/24

Right Out: 0.047+/-0.000 χ^2/NDF : 819330612.8/18

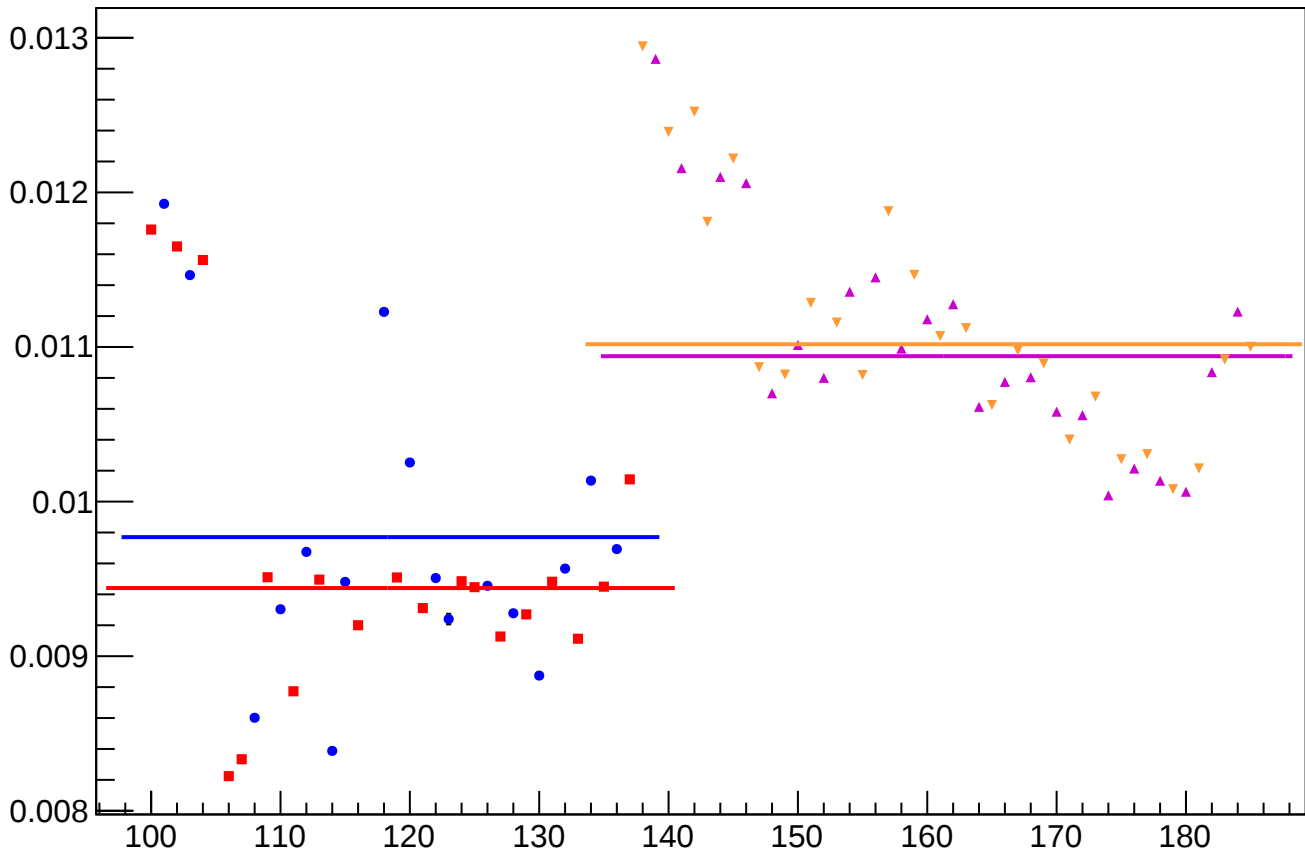
Left In: -0.093+/-0.000 χ^2/NDF : 11051944893.7/22

+ sign -0.060+/-0.000 χ^2/NDF : 15377913168.2/41

All: -0.051+/-0.000 χ^2/NDF : 28250284753.5/41

- 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 : 139096.8/24

Right Out: 0.009+/-0.000 χ^2/NDF : 110651.6/18

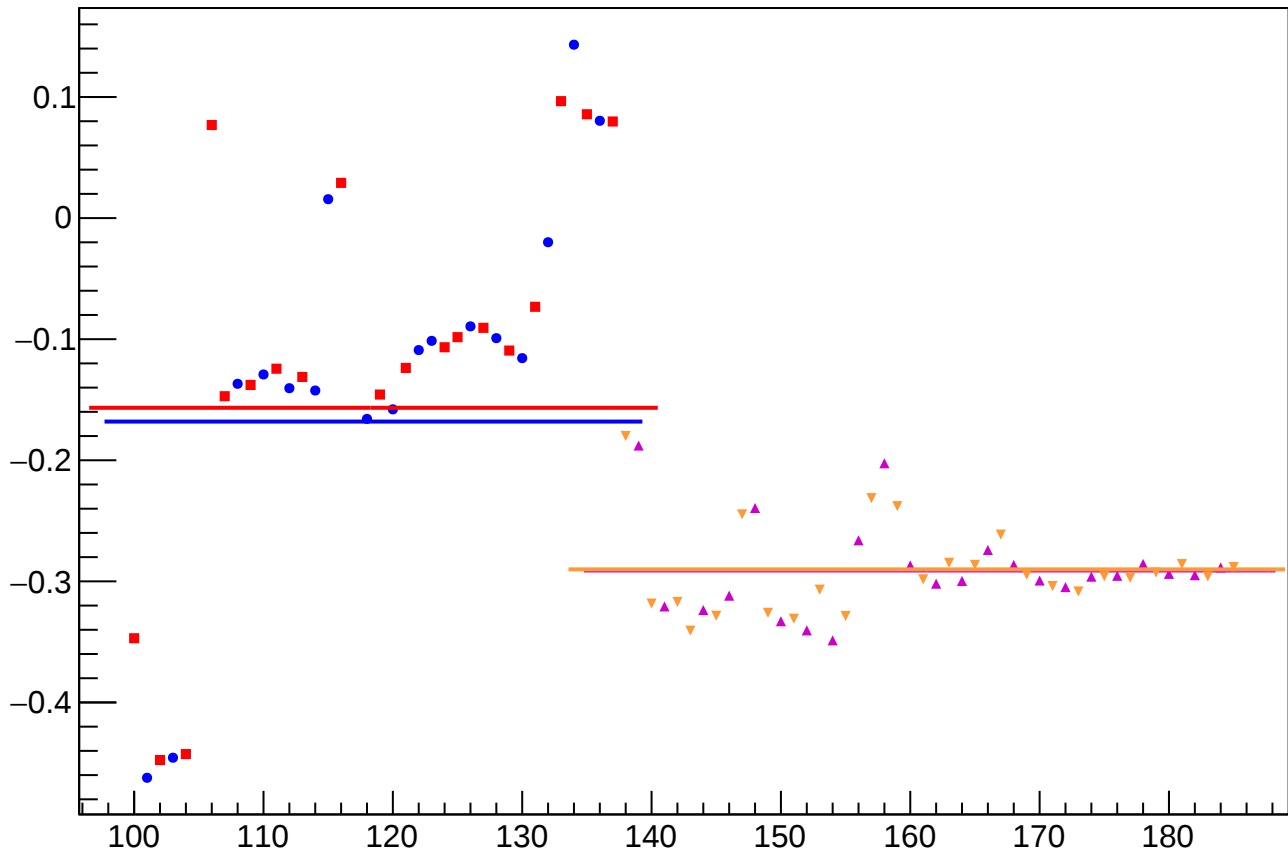
Left In: 0.011+/-0.000 χ^2/NDF : 128914.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 397749.7/41

All: 0.011+/-0.000 χ^2/NDF : 870410.5/83

- 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 : 2862172282.6/24

Right Out: -0.157+/-0.000 χ^2/NDF : 11031837915.5/18

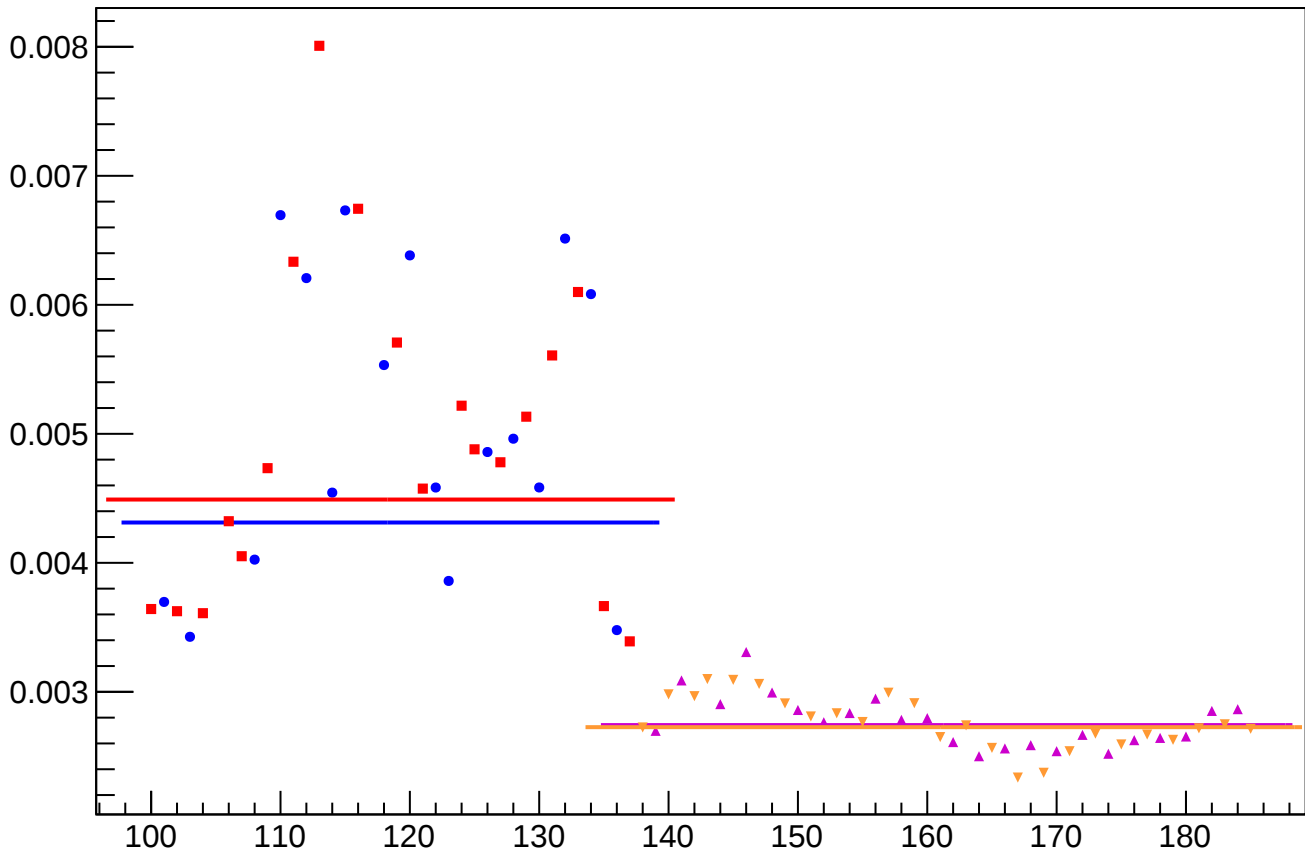
Left In: -0.291+/-0.000 χ^2/NDF : 3125402243.3/22

+ sign -0.276+/-0.000 χ^2/NDF : 19286170974.5/41

All: -0.275+/-0.000 χ^2/NDF : 38321565687.5/81

- 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 :198916.1/24

Right Out: 0.004+/-0.000 χ^2/NDF : 639258.5/18

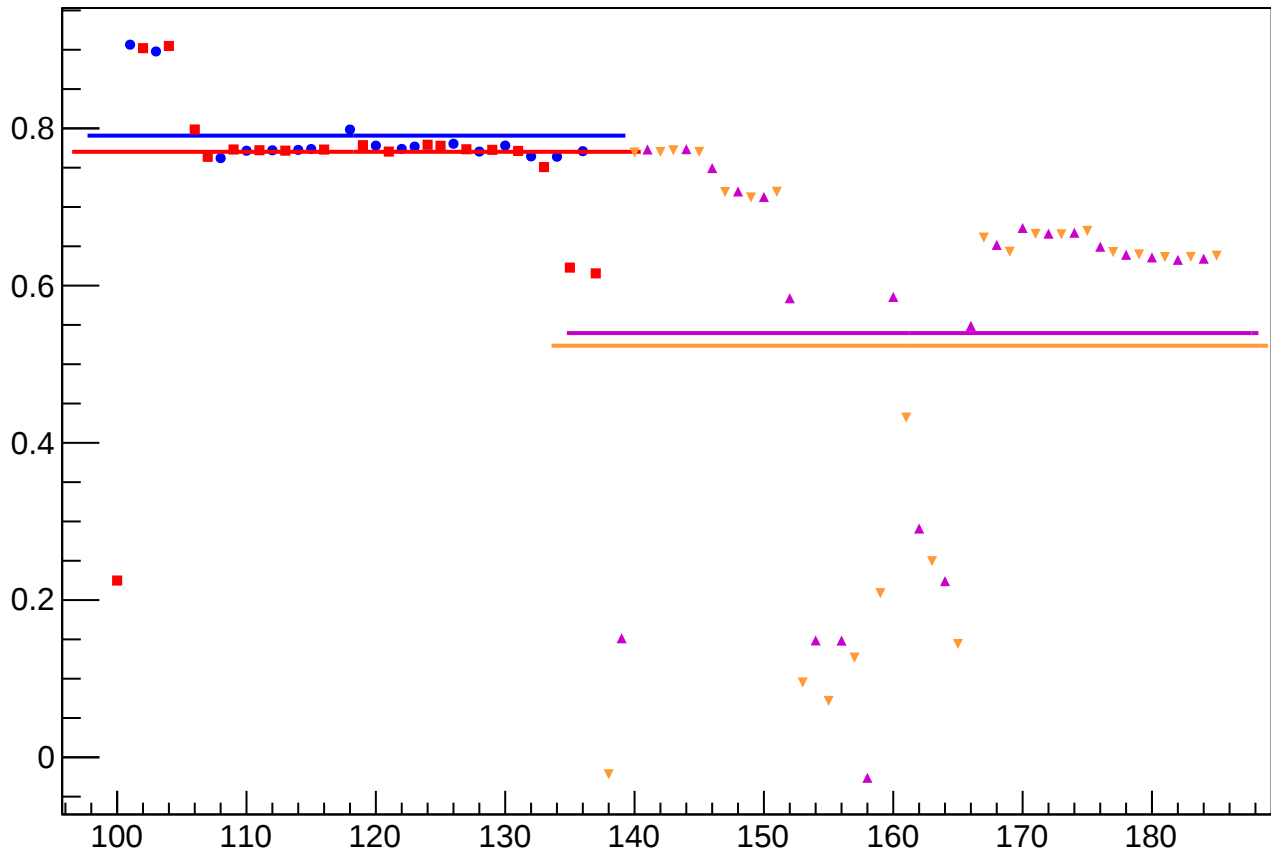
Left In: 0.003+/-0.000 χ^2/NDF :147778.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 2200083.9/41

All: 0.003+/-0.000 χ^2/NDF : 4643109.9/83

- sign 0.003+/-0.000 χ^2/NDF : 2437669.7/41

yield_bpm0l09X_mean vs Slug



Right In: 0.791 $\pm$ 0.000 χ^2 /NDF: 106680493.2/16

Left Out: 0.524 $\pm$ 0.000 χ^2 /NDF: 9582668962.2/24

Right Out: 0.770 $\pm$ 0.000 χ^2 /NDF: 375430167.7/18

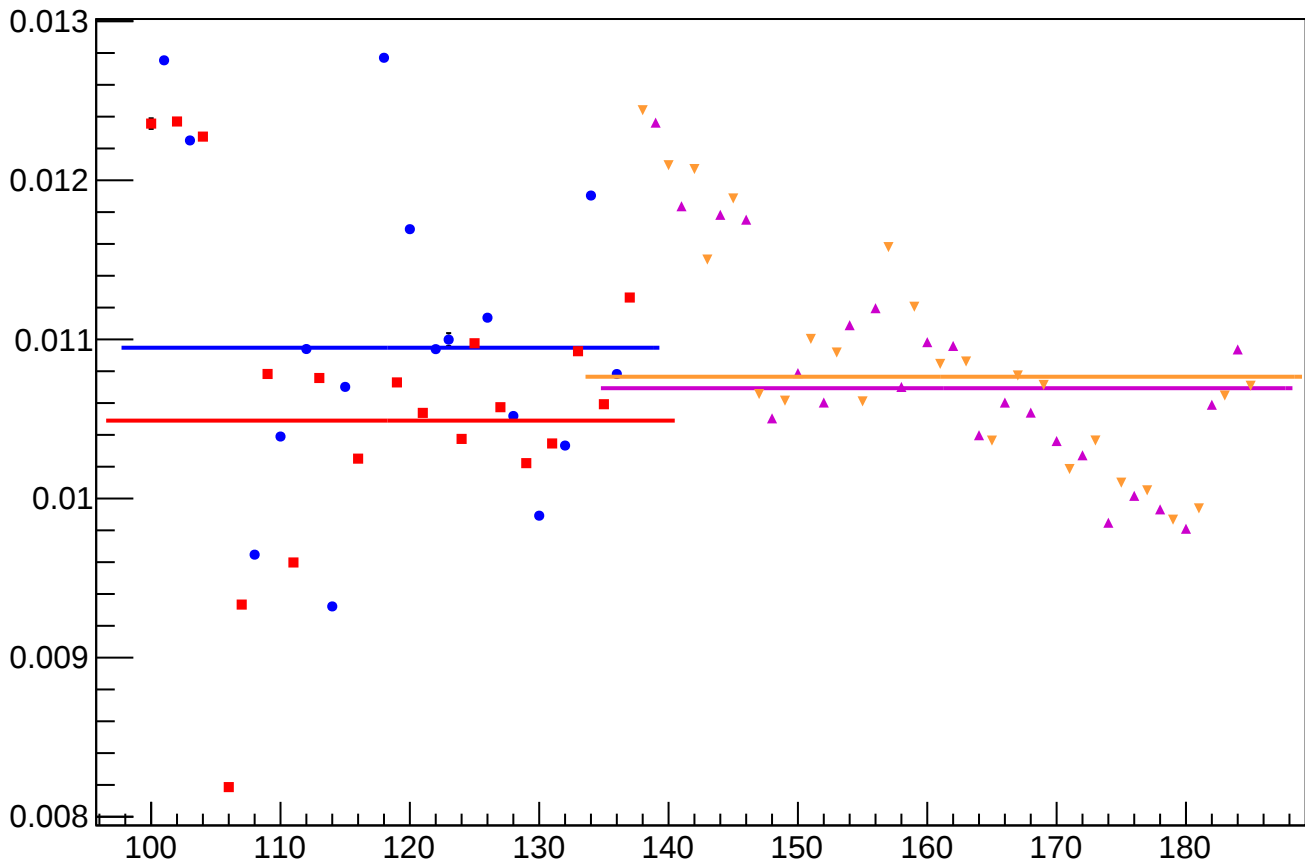
Left In: 0.540 $\pm$ 0.000 χ^2 /NDF: 7860539135.5/22

+ sign 0.593 $\pm$ 0.000 χ^2 /NDF: 12517108439.3/41

All: 0.601 $\pm$ 0.000 χ^2 /NDF: 23104318700.6/8

- sign 0.609 $\pm$ 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 :129464.7/24

Right Out: 0.010+/-0.000 χ^2/NDF : 119502.0/18

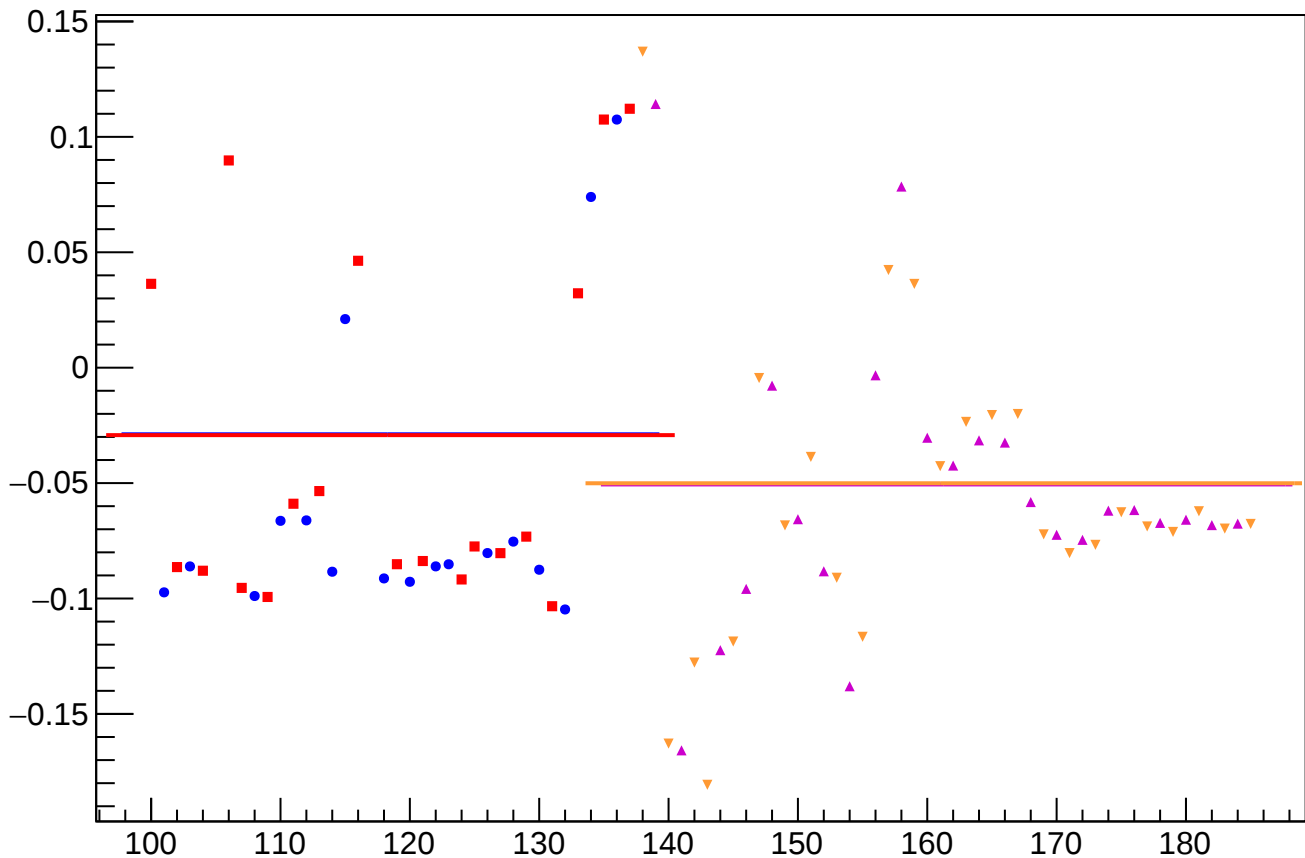
Left In: 0.011+/-0.000 χ^2/NDF :119273.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 230115.9/41

All: 0.011+/-0.000 χ^2/NDF : 479277.5/83

- 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 : 7216719112.6/24

Right Out: -0.029+/-0.000 χ^2/NDF : 2120368017.0/18

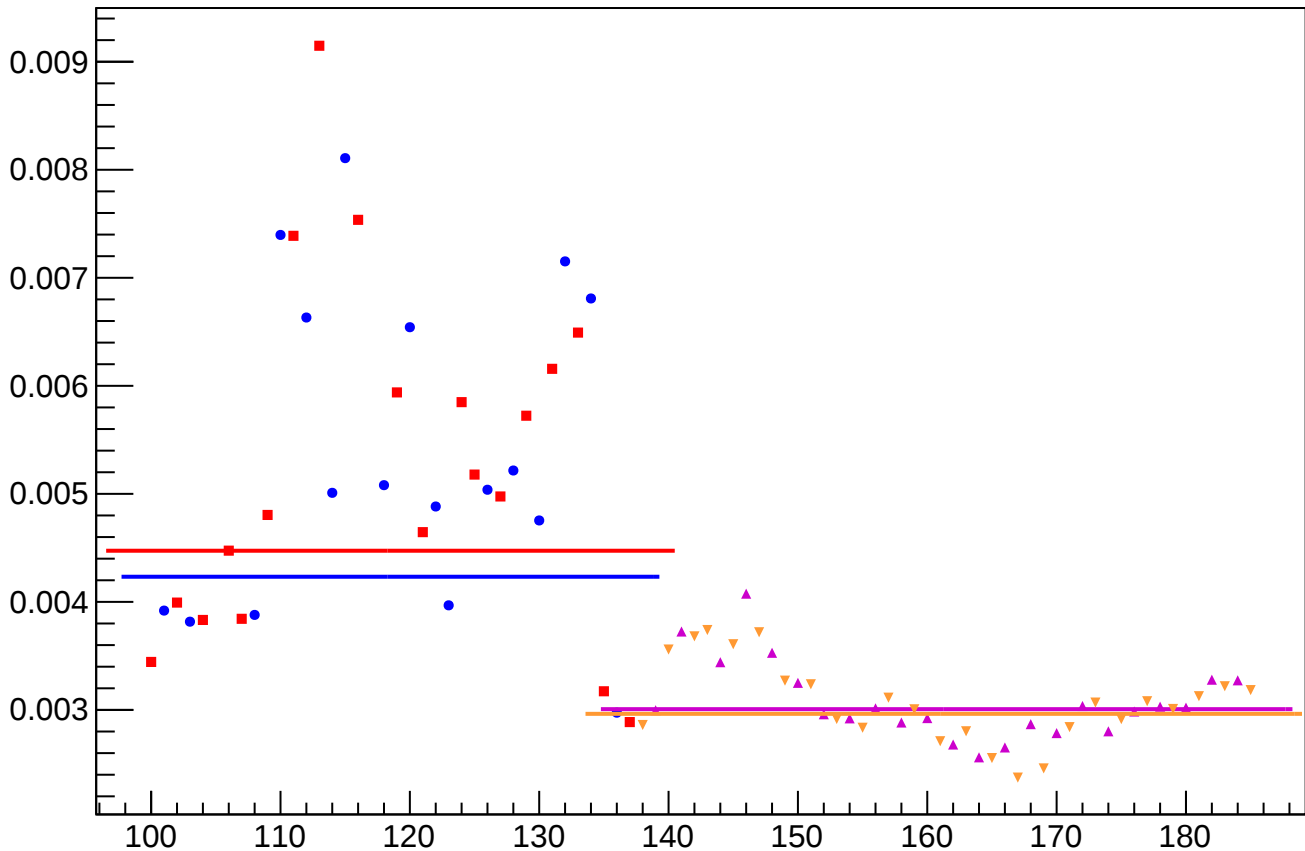
Left In: -0.051+/-0.000 χ^2/NDF : 6128769990.8/22

+ sign -0.047+/-0.000 χ^2/NDF : 9779844483.6/41

All: -0.047+/-0.000 χ^2/NDF : 18143459750.5

- 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: 482790.0/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 969342.1/18

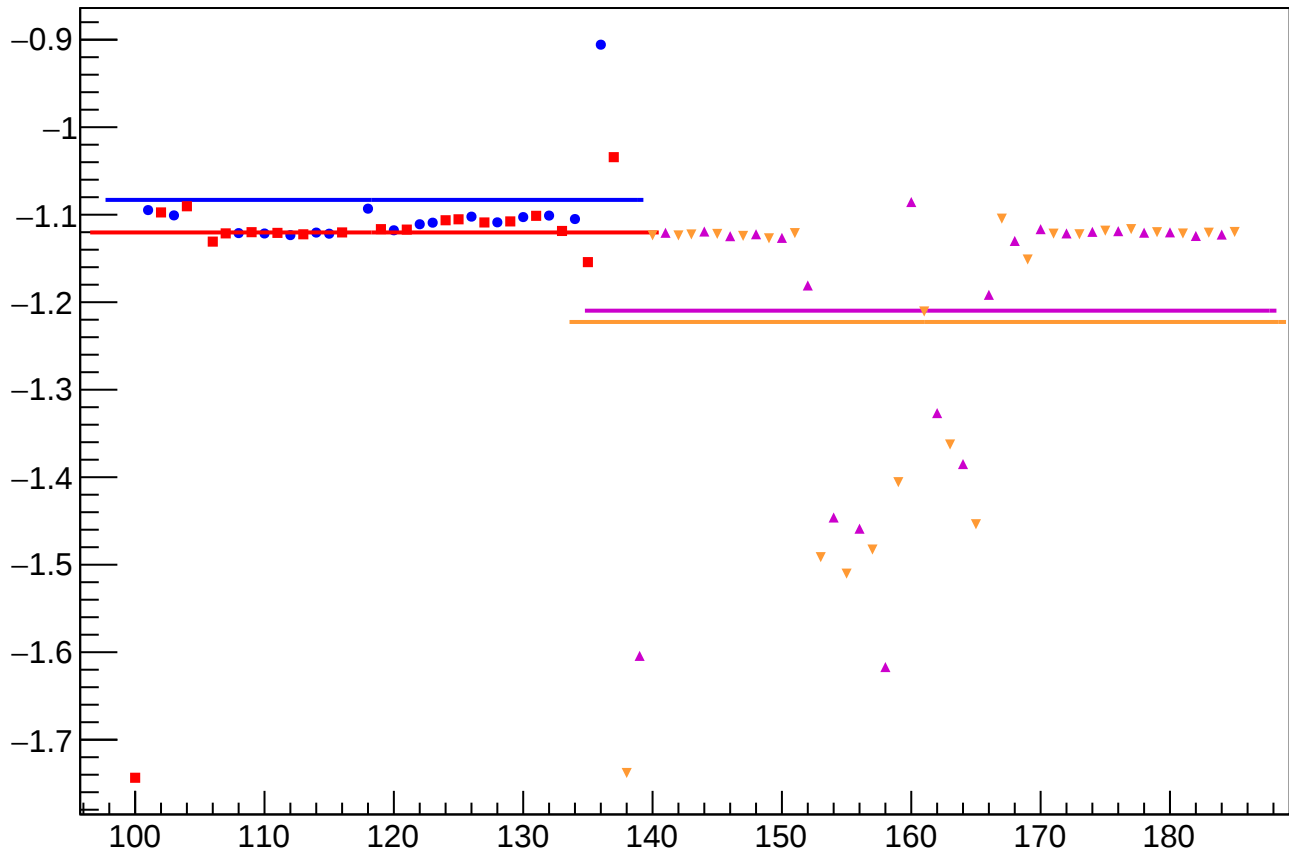
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 329068.1/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2206829.0/41

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 4595688.2/83

- 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: -1.223+/-0.000 χ^2 /NDF: 5271276411.7/24

Right Out: -1.120+/-0.000 χ^2 /NDF: 220508408.4/18

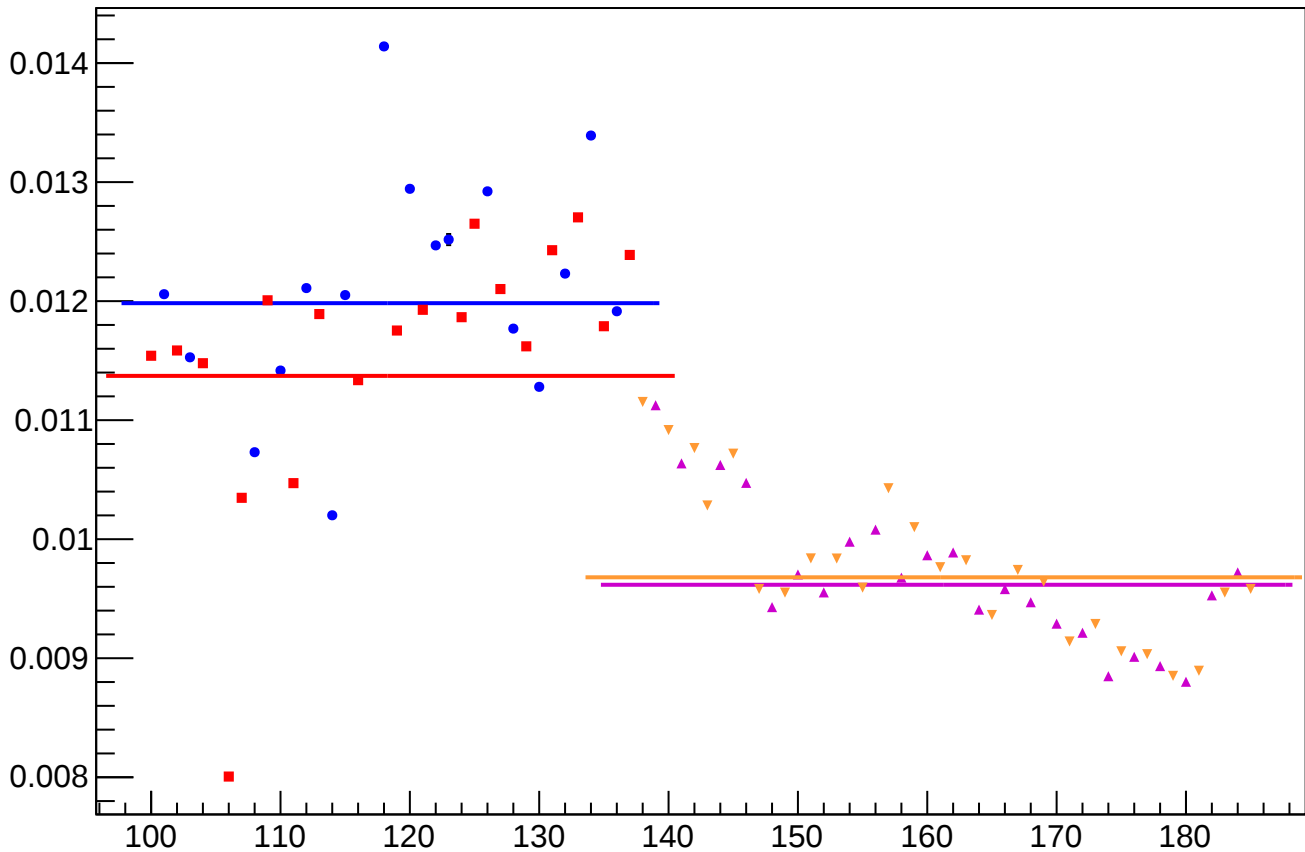
Left In: -1.210+/-0.000 χ^2 /NDF: 4502367902.8/22

+ sign -1.196+/-0.000 χ^2 /NDF: 6176985948.6/41

All: -1.193+/-0.000 χ^2 /NDF: 11231163349.7/41

- 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 :132897.0/24

Right Out: 0.011+/-0.000 χ^2/NDF : 152861.8/18

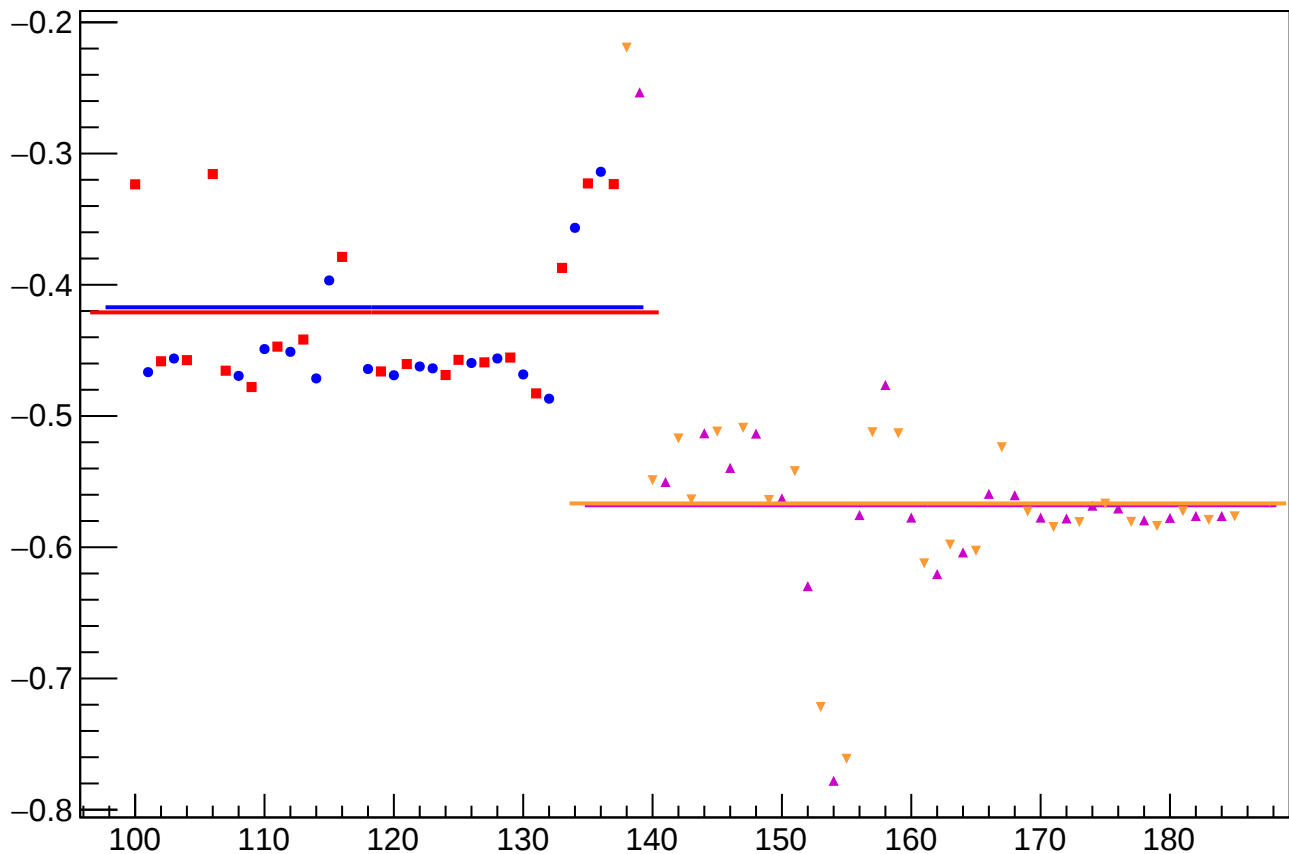
Left In: 0.010+/-0.000 χ^2/NDF :119823.1/22

+ sign 0.010+/-0.000 χ^2/NDF : 574866.0/41

All: 0.010+/-0.000 χ^2/NDF : 1102063.4/83

- 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: -0.567+/-0.000 χ^2/NDF : 13367990714.7/24

Right Out: -0.421+/-0.000 χ^2/NDF : 1654624022.3/18

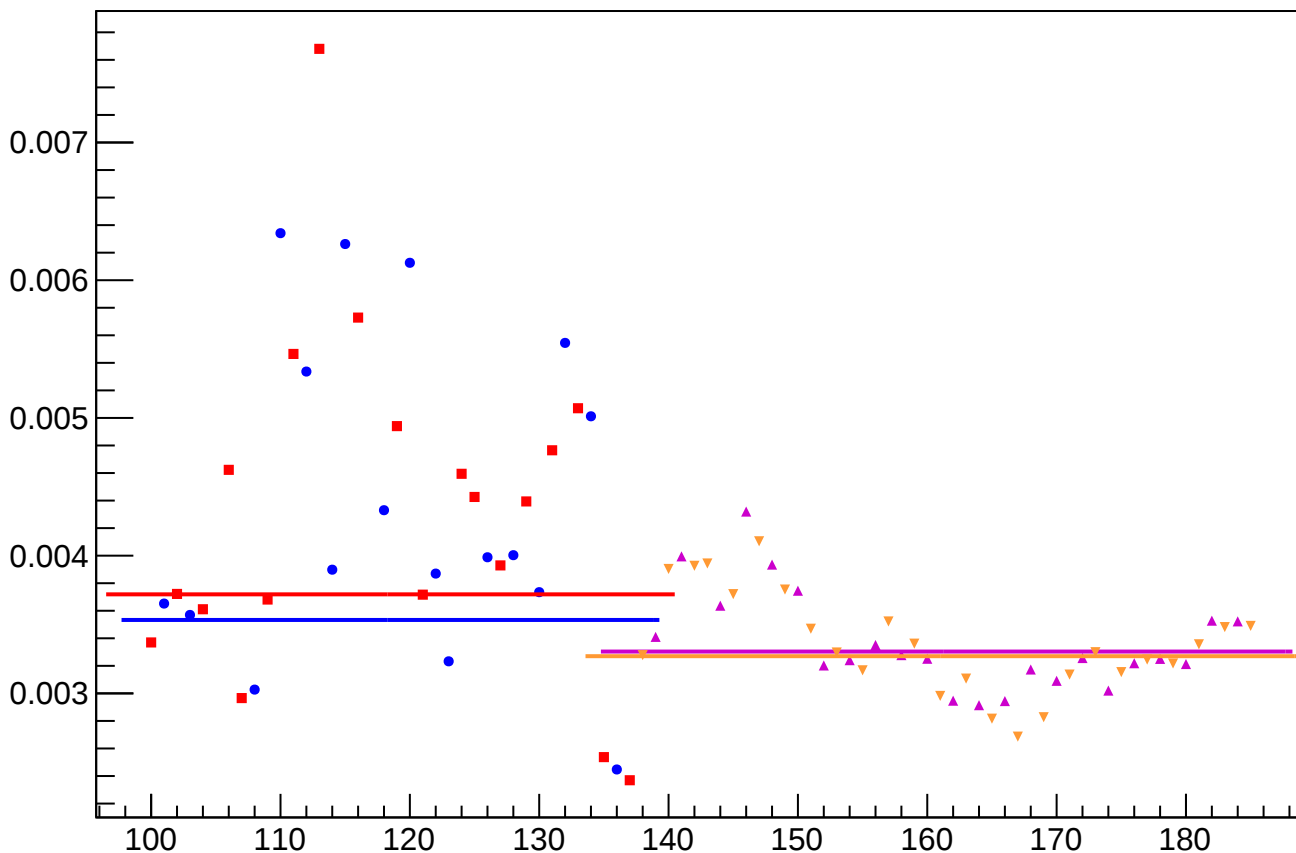
Left In: -0.568+/-0.000 χ^2/NDF : 10458990019.9/22

+ sign -0.535+/-0.000 χ^2/NDF : 23030359764.2/41

All: -0.535+/-0.000 χ^2/NDF : 42246894445.1/41

- 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: 382538.4/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 884778.0/18

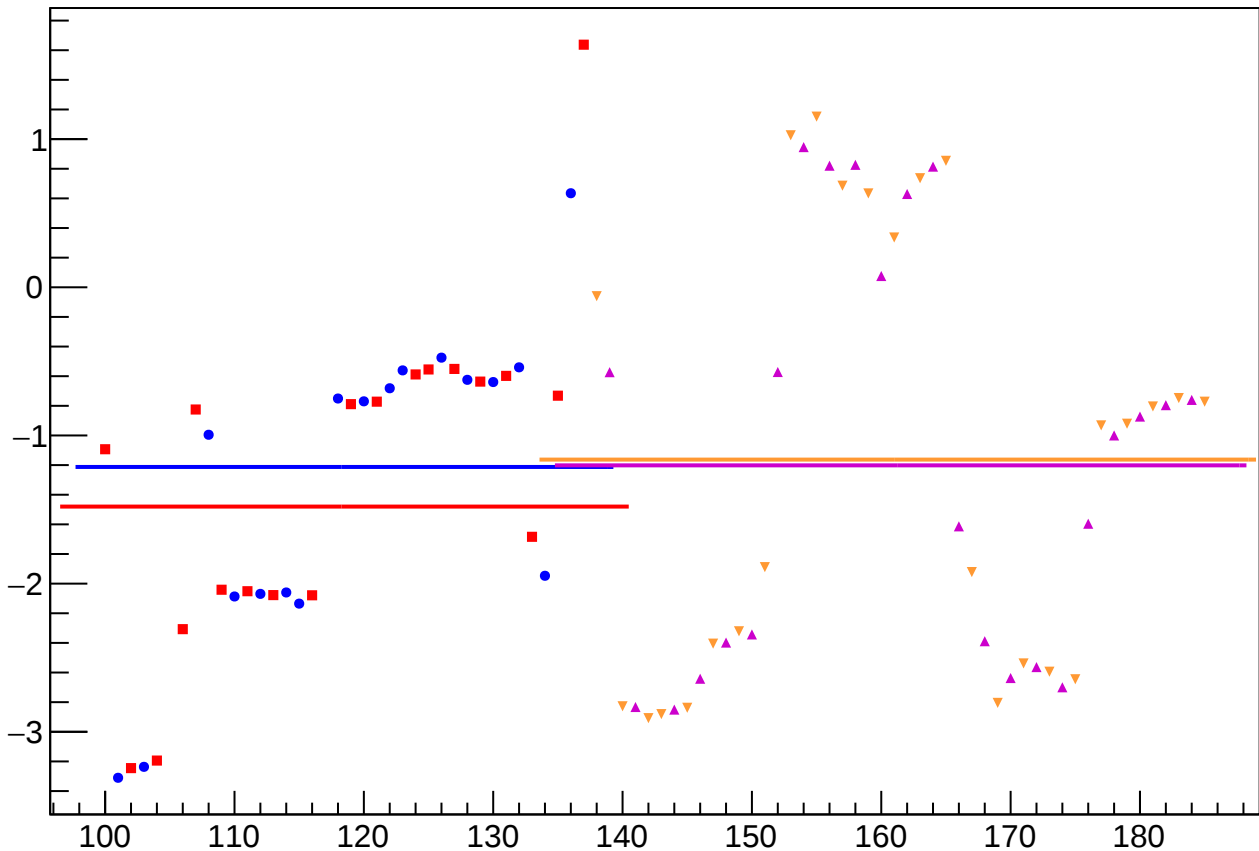
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 286064.1/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1261296.0/41

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2555172.0/83

- 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: -1.163+/-0.000 χ^2 /NDF: 6819984095.5/24

Right Out: -1.480+/-0.000 χ^2 /NDF: 1576057924.8/18

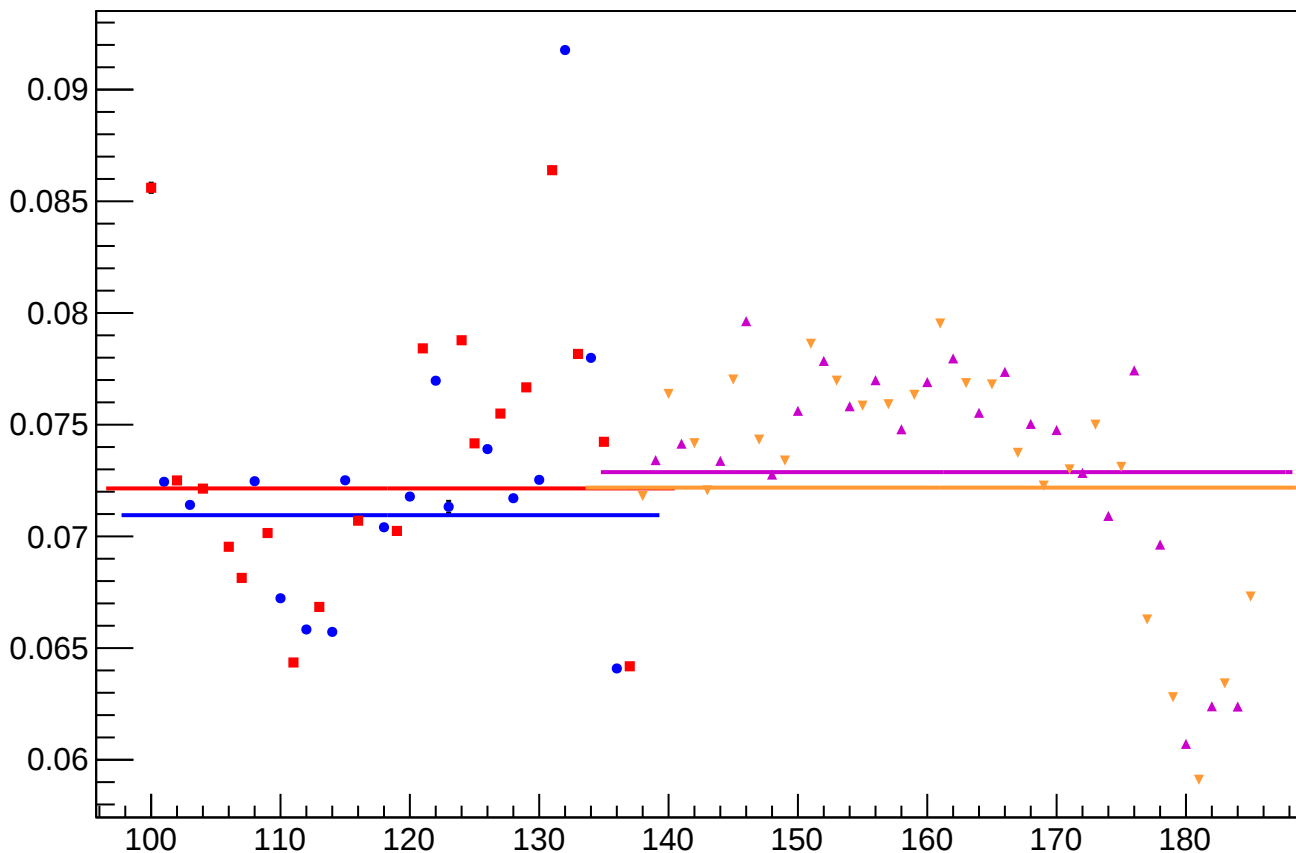
Left In: -1.202+/-0.000 χ^2 /NDF: 5606782515.9/22

+ sign -1.177+/-0.000 χ^2 /NDF: 8813325530.3/41

All: -1.229+/-0.000 χ^2 /NDF: 16095548449.1/41

- 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 : 221718.3/24

Right Out: 0.072+/-0.000 χ^2/NDF : 69021.6/18

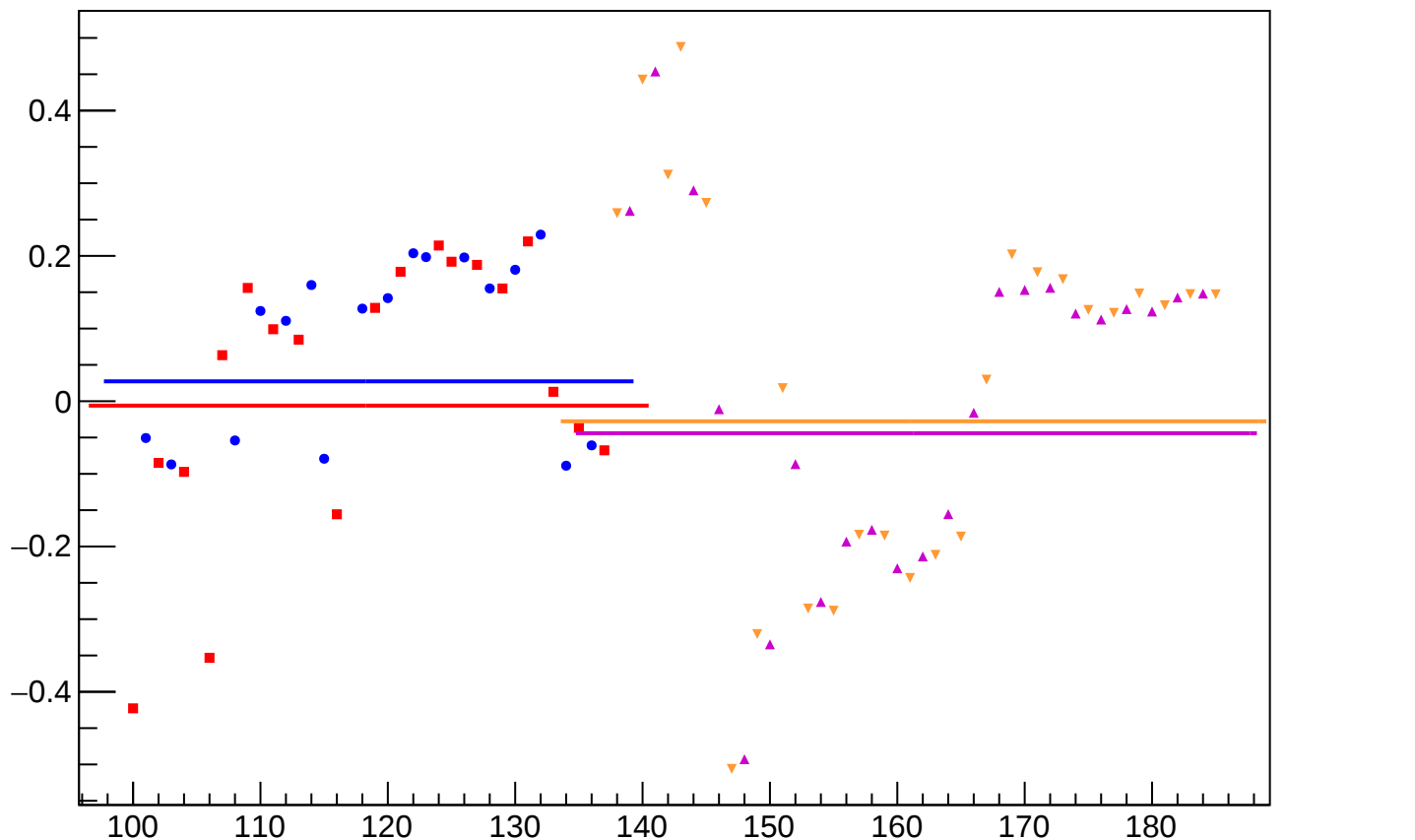
Left In: 0.073+/-0.000 χ^2/NDF : 183503.0/22

+ sign 0.072+/-0.000 χ^2/NDF : 301735.7/41

All: 0.072+/-0.000 χ^2/NDF : 558358.0/83

- 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: -0.028+/-0.000 χ^2/NDF : 20241949236.7/24

Right Out: -0.006+/-0.000 χ^2/NDF : 1205303430.4/18

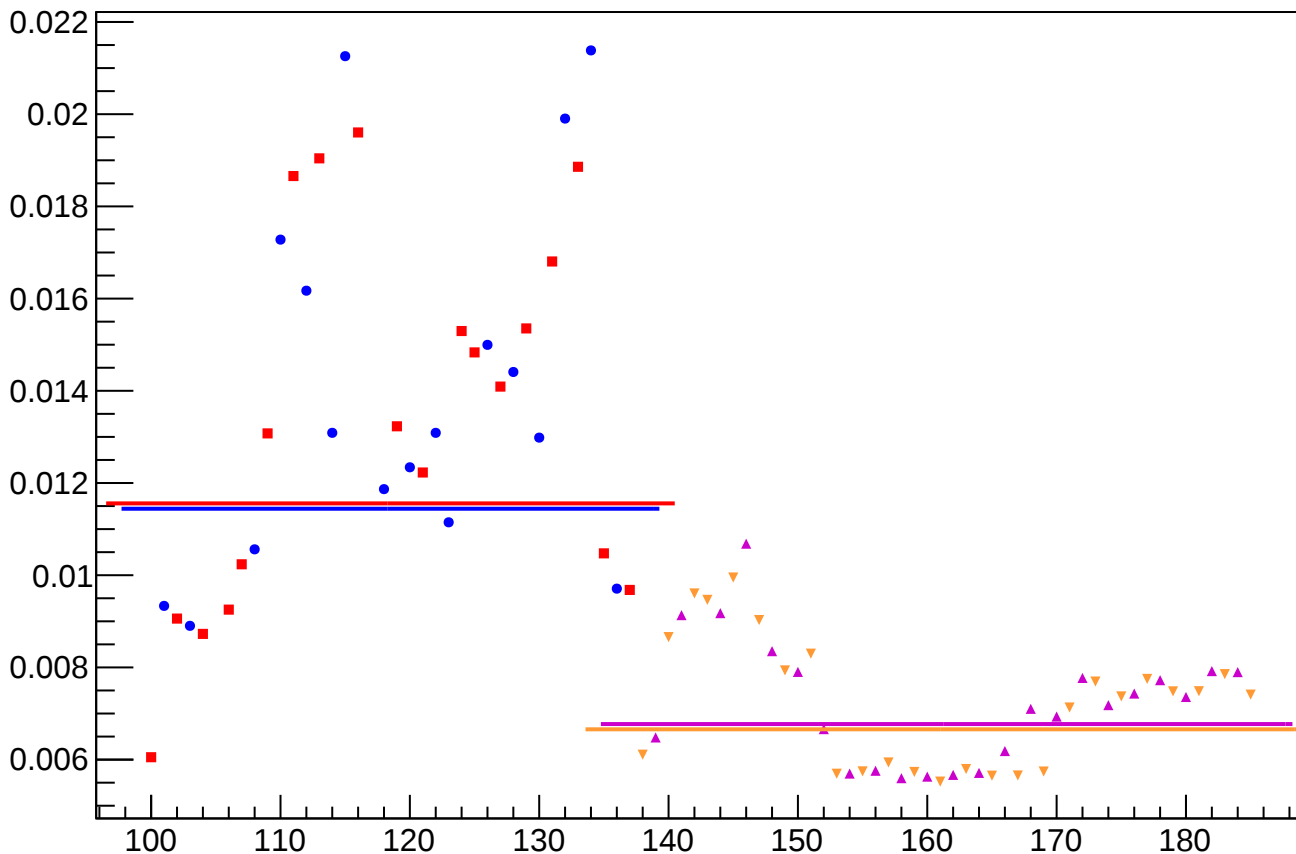
Left In: -0.044+/-0.000 χ^2/NDF : 15718556282.1/22

+ sign -0.022+/-0.000 χ^2/NDF : 20922680976.9/41

All: -0.030+/-0.000 χ^2/NDF : 37967093540.0/41

- 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 : 1116303.2/24

Right Out: 0.012+/-0.000 χ^2/NDF : 979298.5/18

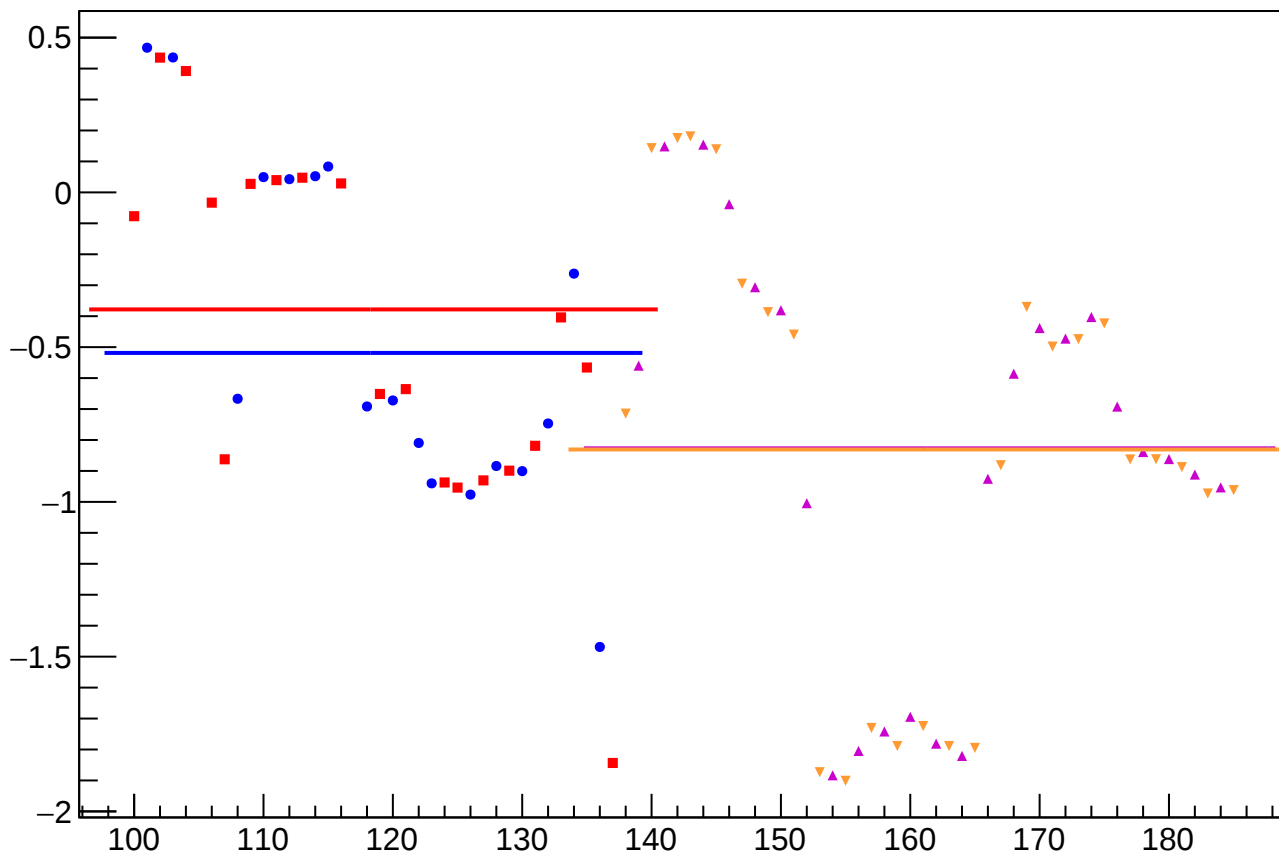
Left In: 0.007+/-0.000 χ^2/NDF : 934050.3/22

+ sign 0.007+/-0.000 χ^2/NDF : 3585799.3/41

All: 0.007+/-0.000 χ^2/NDF : 7309705.9/83

- 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: -0.831 ± 0.000 χ^2/NDF : 1086494732.5/24

Right Out: -0.378 ± 0.000 χ^2/NDF : 267921889.8/18

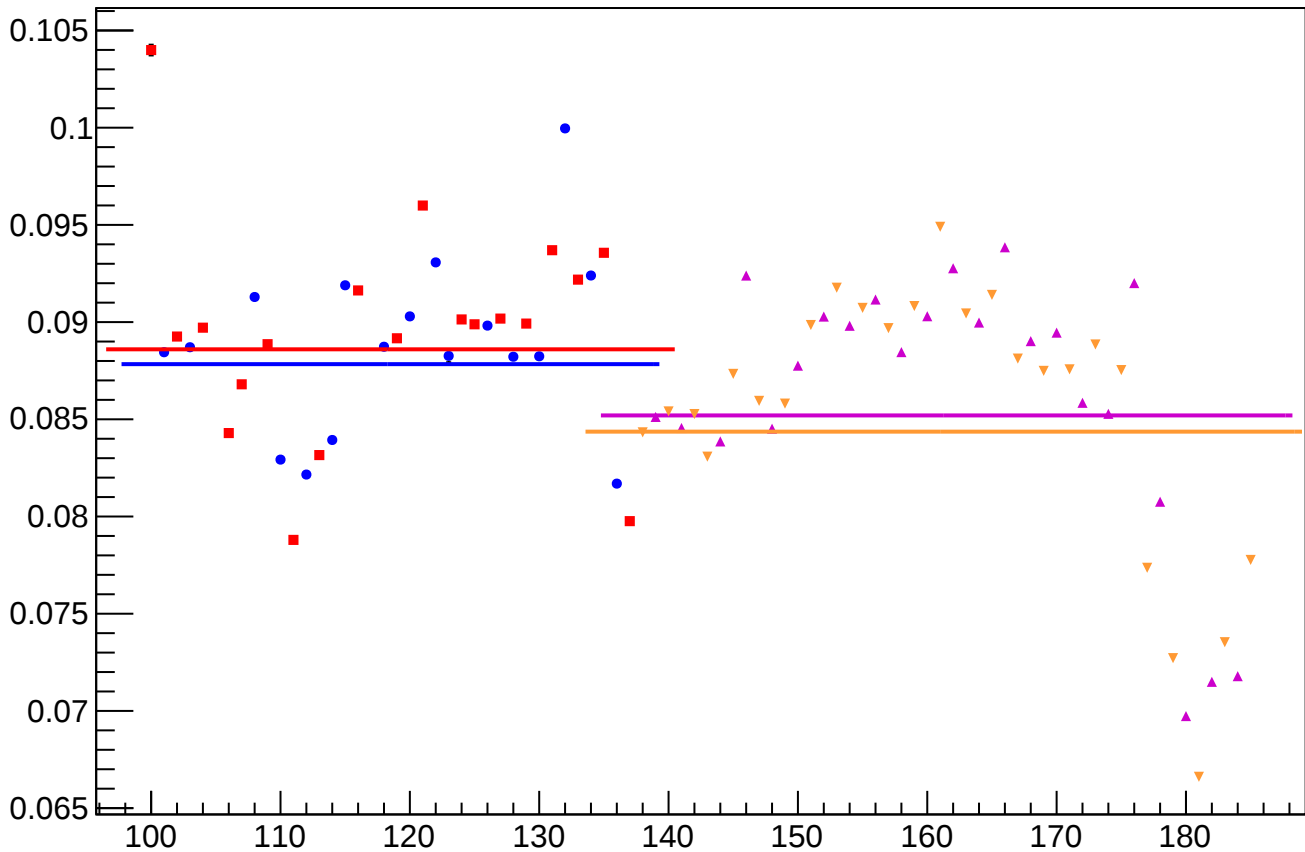
Left In: -0.827 ± 0.000 χ^2/NDF : 921651117.3/22

+ sign -0.751 ± 0.000 χ^2/NDF : 1487916322.1/41

All: -0.728 ± 0.000 χ^2/NDF : 2812697796.7/8

- sign -0.703 ± 0.000 χ^2/NDF : 1320853576.6/41

yield_bpm0r05X_rms vs Slug



Right In: 0.088+/-0.000 χ^2/NDF : 34872.1/16

Left Out: 0.084+/-0.000 χ^2/NDF :287554.4/24

Right Out: 0.089+/-0.000 χ^2/NDF : 38932.4/18

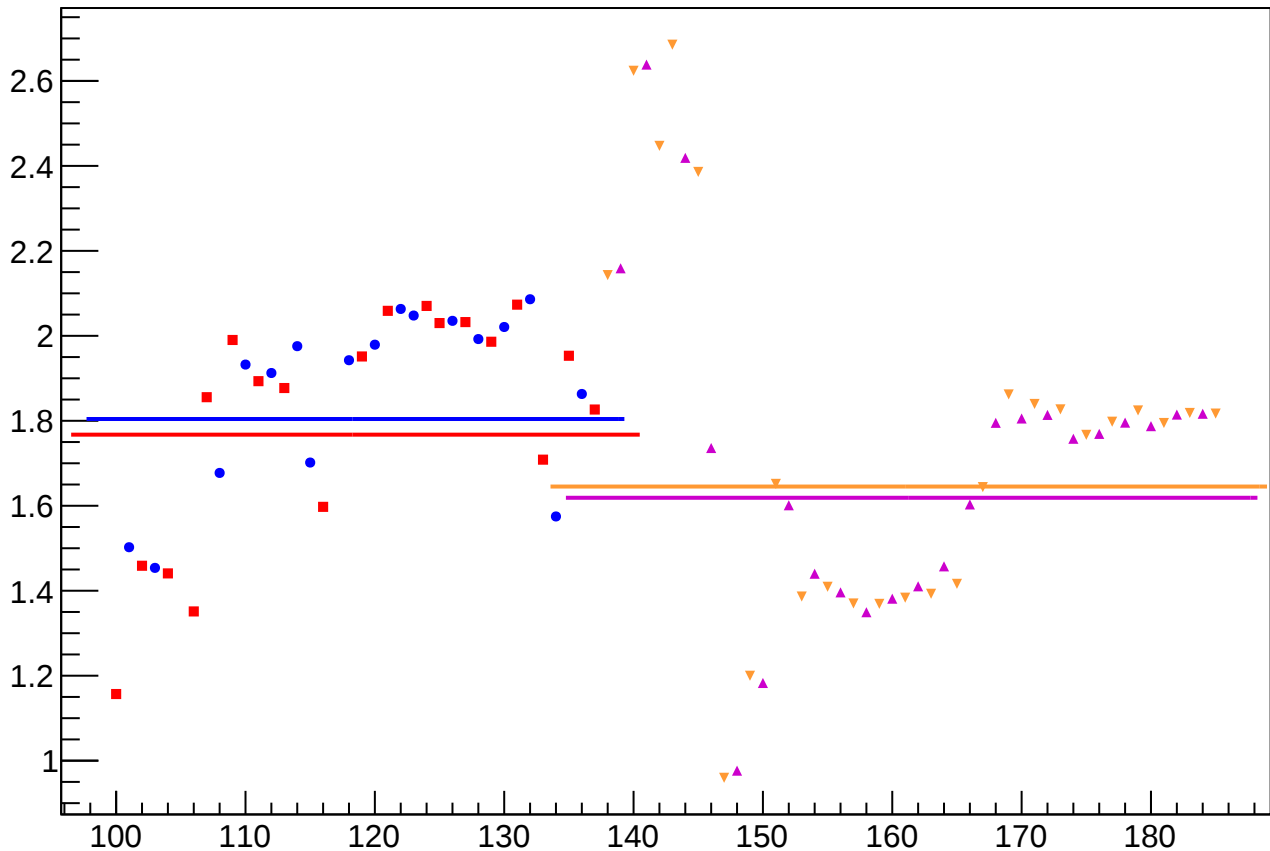
Left In: 0.085+/-0.000 χ^2/NDF :238313.9/22

+ sign 0.085+/-0.000 χ^2/NDF : 337956.0/41

All: 0.086+/-0.000 χ^2/NDF : 632923.5/83

- sign 0.086+/-0.000 χ^2/NDF : 292316.9/41

yield_bpm0r05Y_mean vs Slug



Right In: 1.804+/-0.000 χ^2/NDF : 1156038618.5/16

Left Out: 1.645+/-0.000 χ^2/NDF : 26226307538.2/24

Right Out: 1.767+/-0.000 χ^2/NDF : 1715728859.6/18

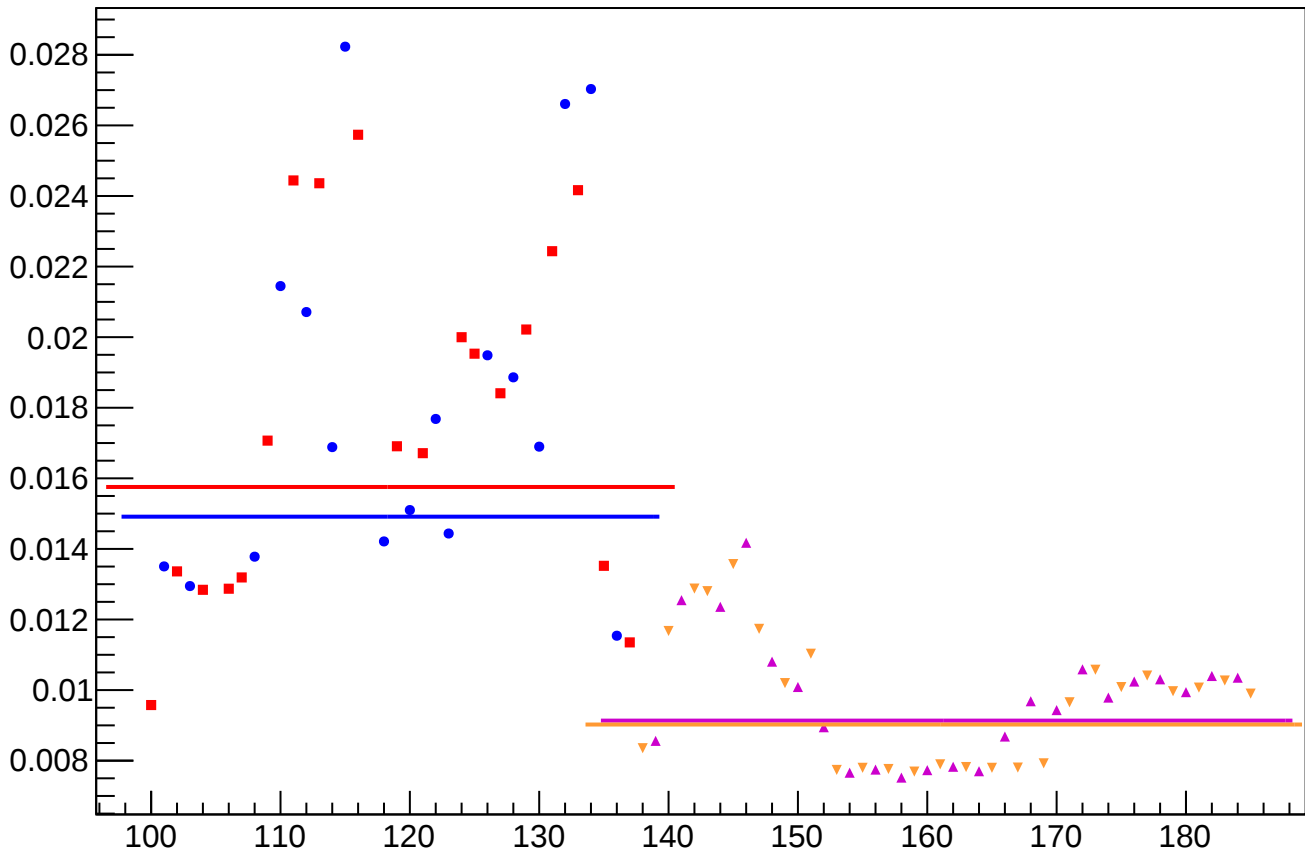
Left In: 1.619+/-0.000 χ^2/NDF : 20618198188.1/22

+ sign 1.663+/-0.000 χ^2/NDF : 27961934734.6/41

All: 1.650+/-0.000 χ^2/NDF : 50854512784.3/8

- sign 1.636+/-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 :1015418.7/24

Right Out: 0.016+/-0.000 χ^2/NDF : 770357.5/18

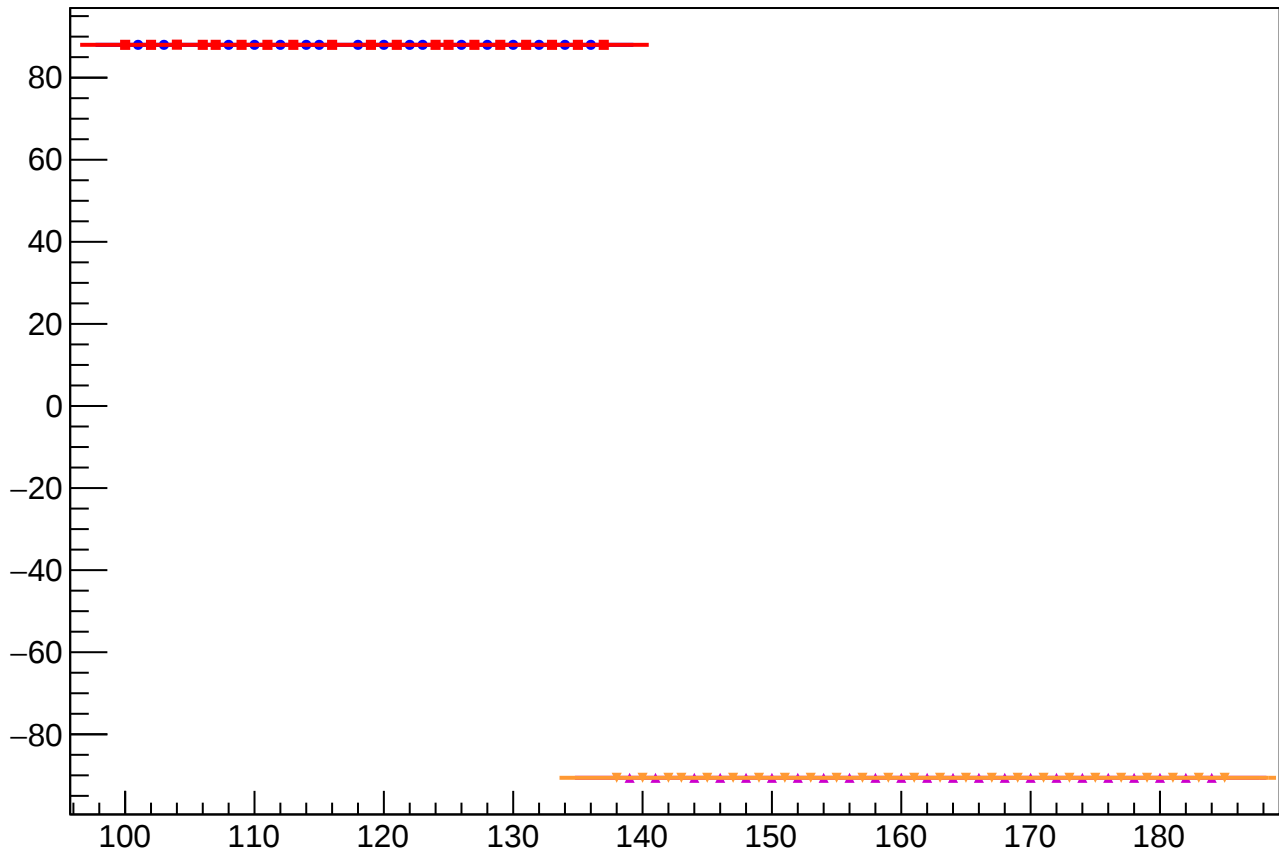
Left In: 0.009+/-0.000 χ^2/NDF :878356.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 3244644.6/41

All: 0.010+/-0.000 χ^2/NDF : 6790278.4/83

- 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: 8985087.8/24

Right Out: 88.004 $\pm$ 0.000 χ^2 /NDF: 77529520773816998986447323136.0/18

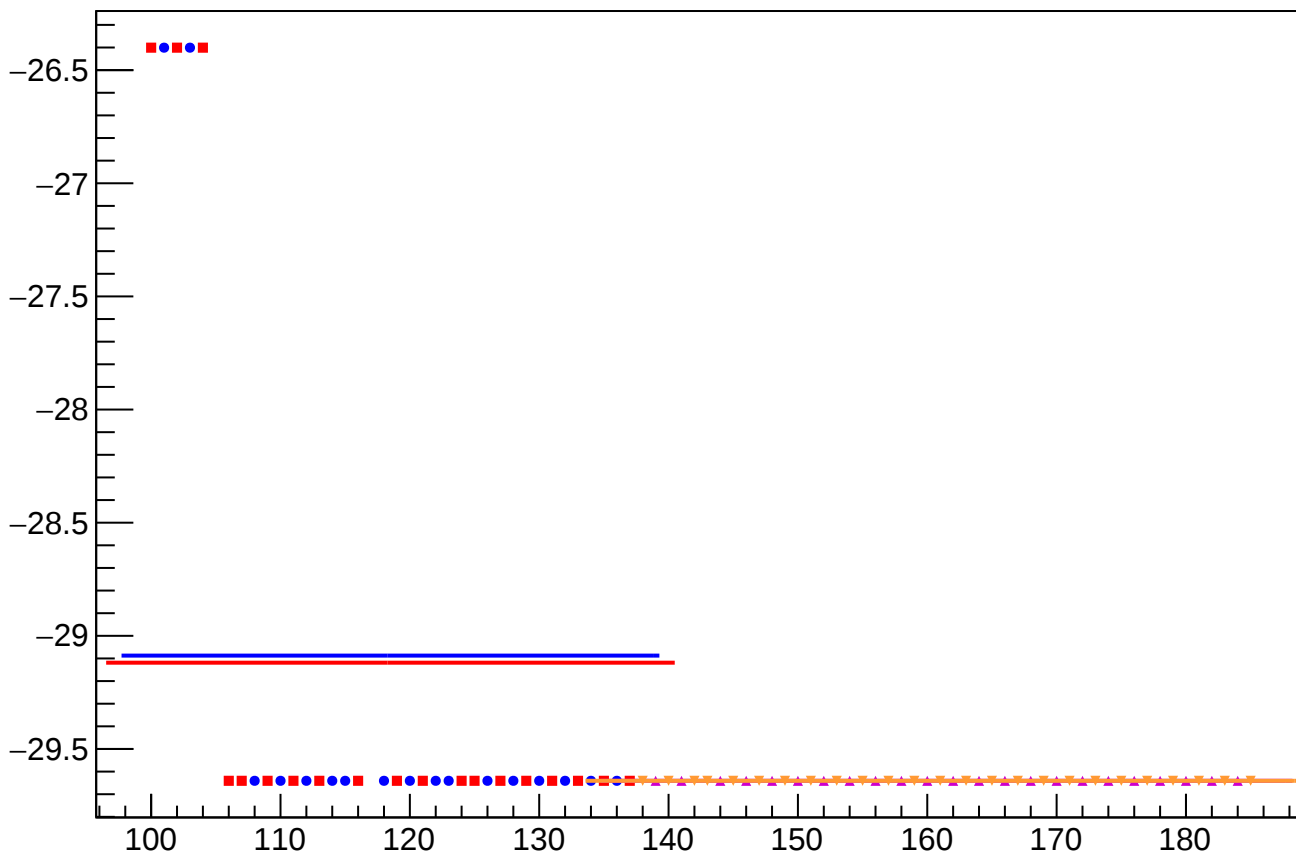
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 7134230.8/22

+ sign -42.839 $\pm$ 0.000 χ^2 /NDF: 161472682861764

All: -41.186 $\pm$ 0.000 χ^2 /NDF: 325563353376

- 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 : 429708.3/24

Right Out: -29.119+/-0.000 χ^2/NDF : 1021533120000008474668992382894080.0/18

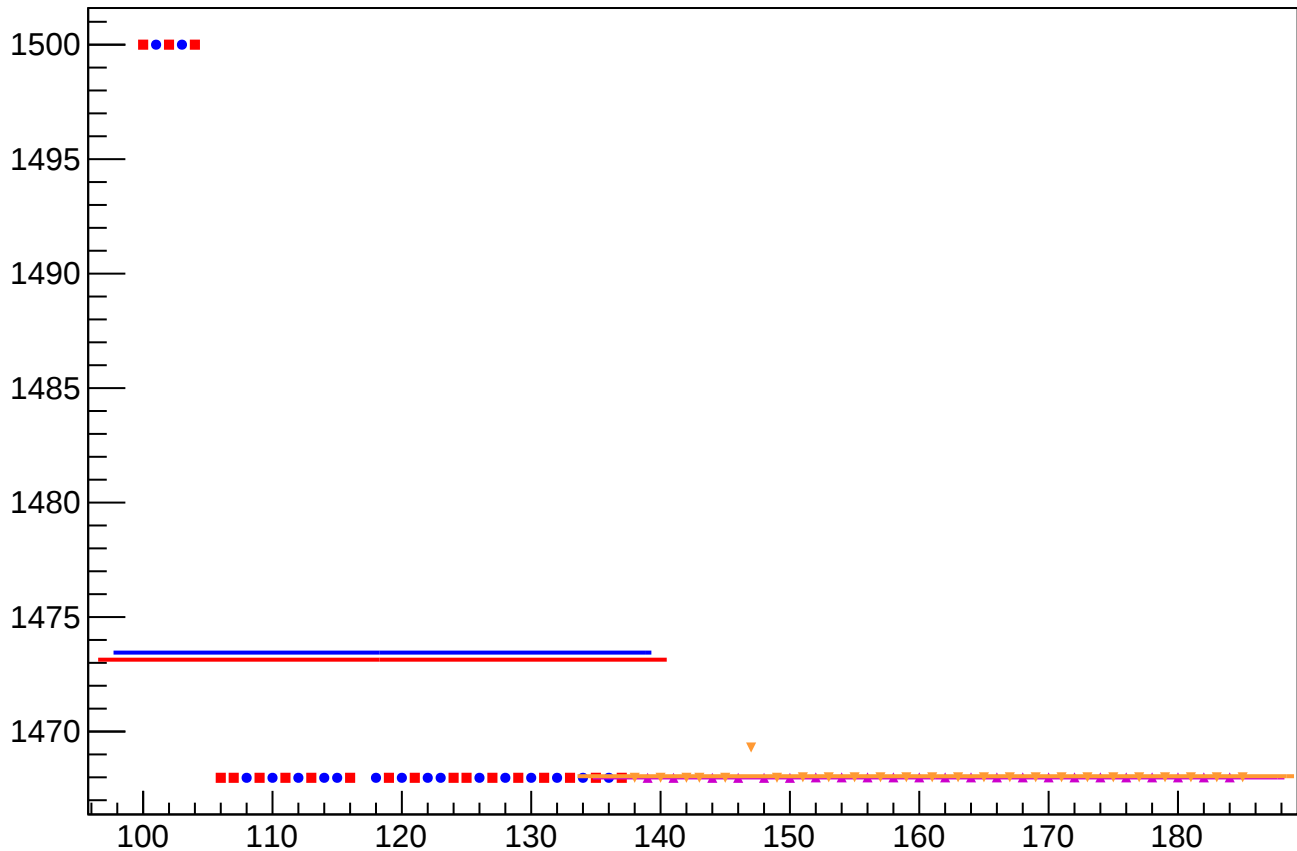
Left In: -29.641+/-0.000 χ^2/NDF : 382603.8/22

+ sign -29.493+/-0.000 χ^2/NDF : 118215001114549

All: -29.492+/-0.000 χ^2/NDF : 234373122635

- 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: 1468.048+/-0.000 χ^2/NDF : 127894722724357099626499267362816.0/24

Right Out: 1473.138+/-0.000 χ^2/NDF : 99779938590622337721401930749575168.0/18

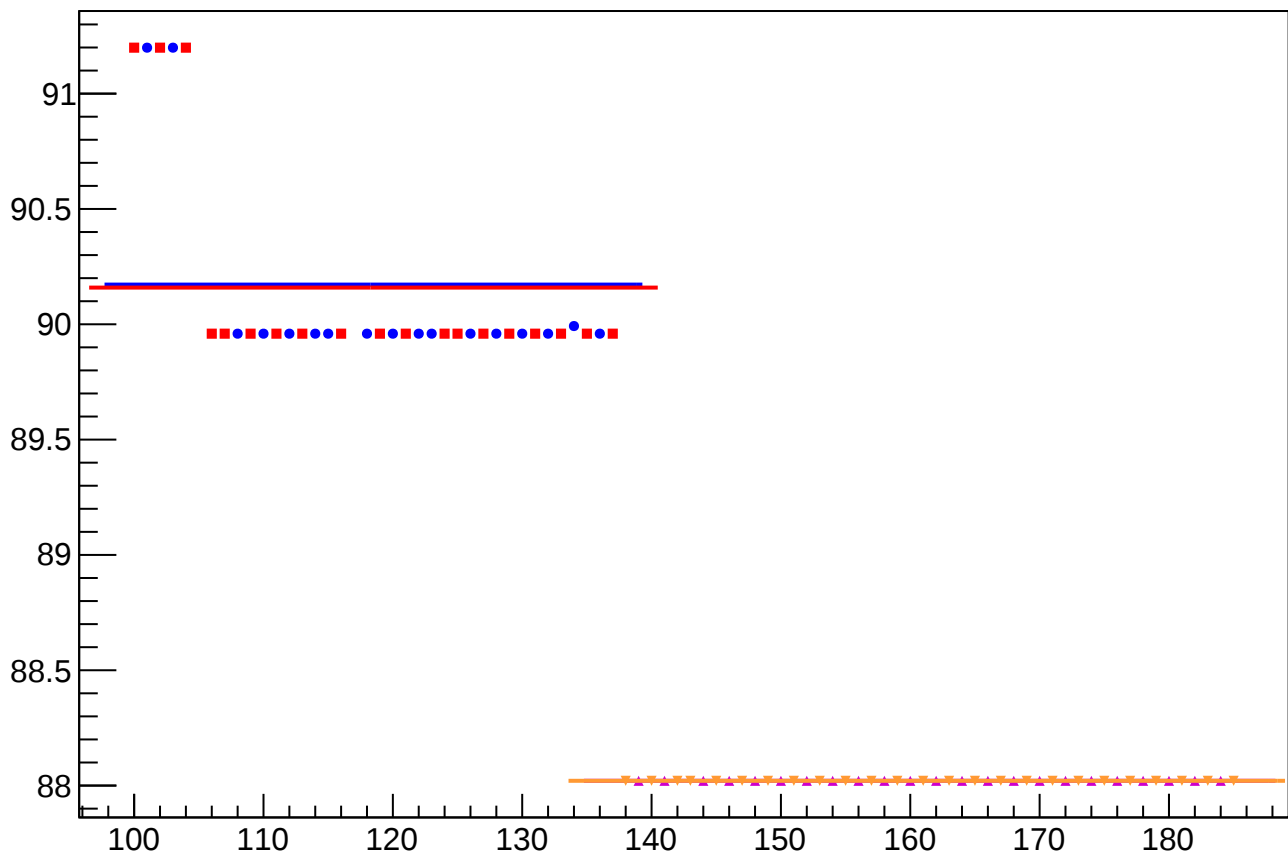
Left In: 1467.994+/-0.000 χ^2/NDF : 144497772795444989723550941184.0/22

All: 1469.479+/-0.000 χ^2/NDF : 22860037411.0/24

+ sign 1469.492+/-0.000 χ^2/NDF : 11521660583781.0/24

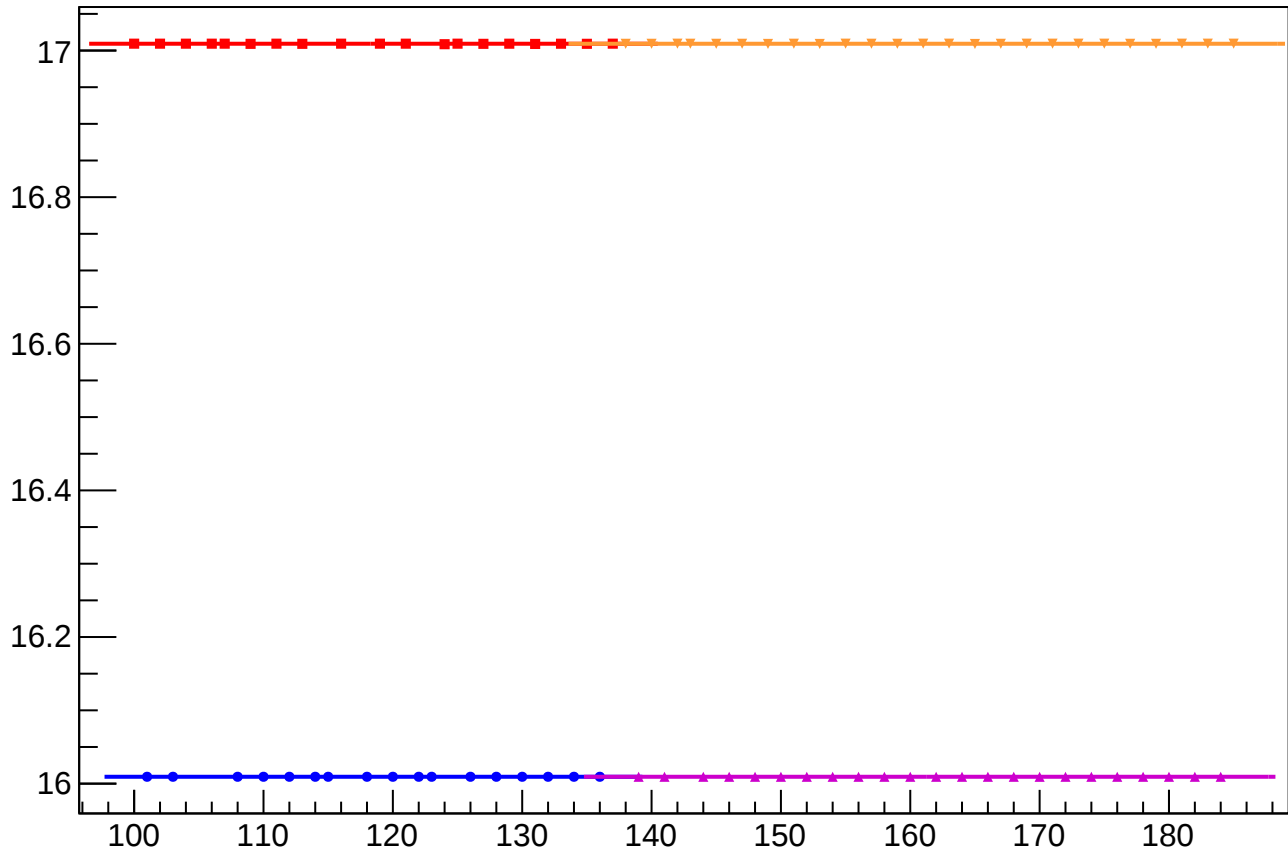
- sign 1469.466+/-0.000 χ^2/NDF : 11338289261633.0/24

epics_Phi_FGs_mean vs Slug



Right In: 90.172 $\pm$ 0.000 χ^2 /NDF: 150181697791974119042789817712640.0/16
 Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 6169725.3/24 + sign 88.596 $\pm$ 0.000 χ^2 /NDF: 2493104500507870
 Right Out: 90.159 $\pm$ 0.000 χ^2 /NDF: 149625564444474590335066871693312.0/18 All: 88.614 $\pm$ 0.000 χ^2 /NDF: 4994584917791
 Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 6257169.0/22 - sign 88.633 $\pm$ 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 : 26100515098524513709588480.0/24

Right Out: 17.009 $\pm$ 0.000 χ^2/NDF : 12507759350541157226512384.0/18

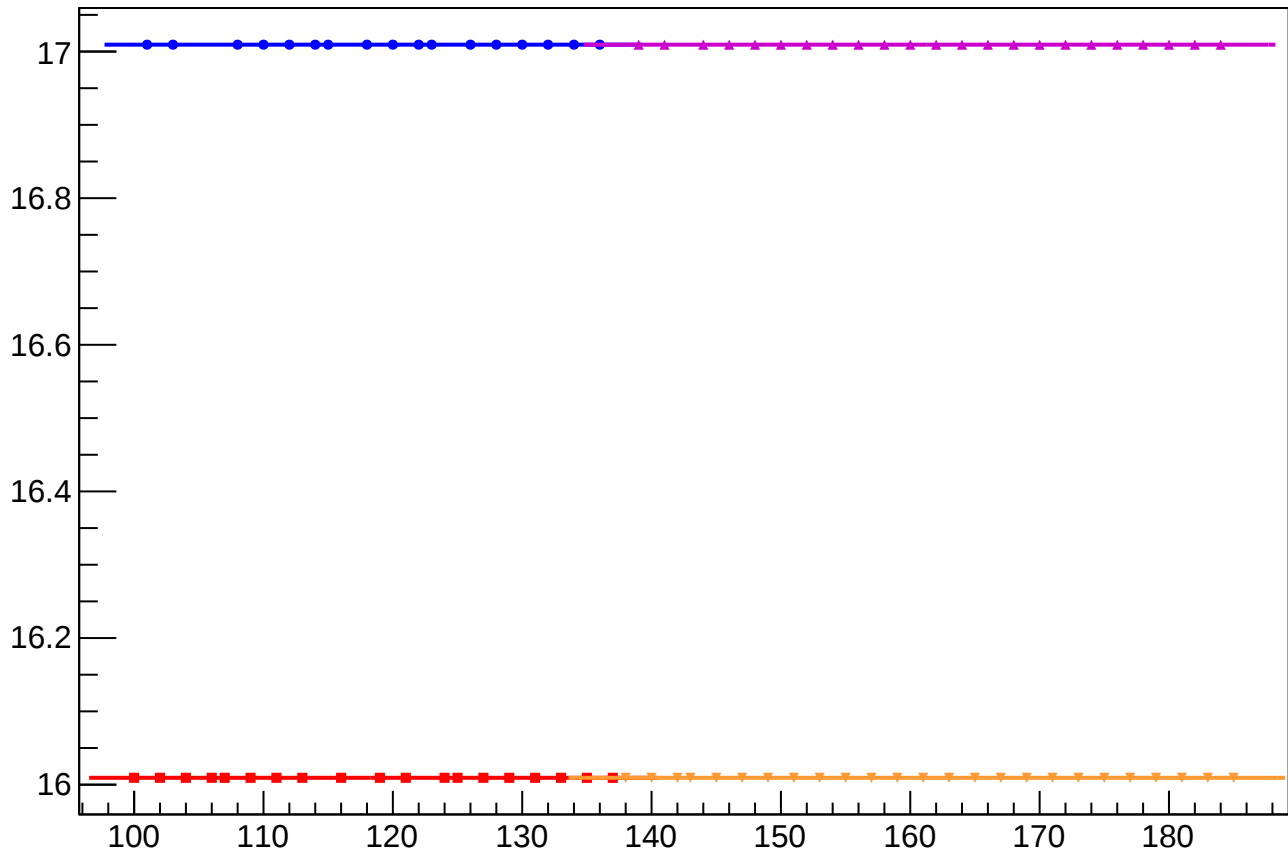
Left In: 16.009 $\pm$ 0.000 χ^2/NDF : 127920993667935400624128.0/22

+ sign 16.737 $\pm$ 0.000 χ^2/NDF : 4792166796262579

All: 16.518 $\pm$ 0.000 χ^2/NDF : 1183882285700

- sign 16.291 $\pm$ 0.000 χ^2/NDF : 4691986403340264

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009 $\pm$ 0.000 χ^2 /NDF: 119200.0/16

Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 67160.5/24

Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 39077.0/18

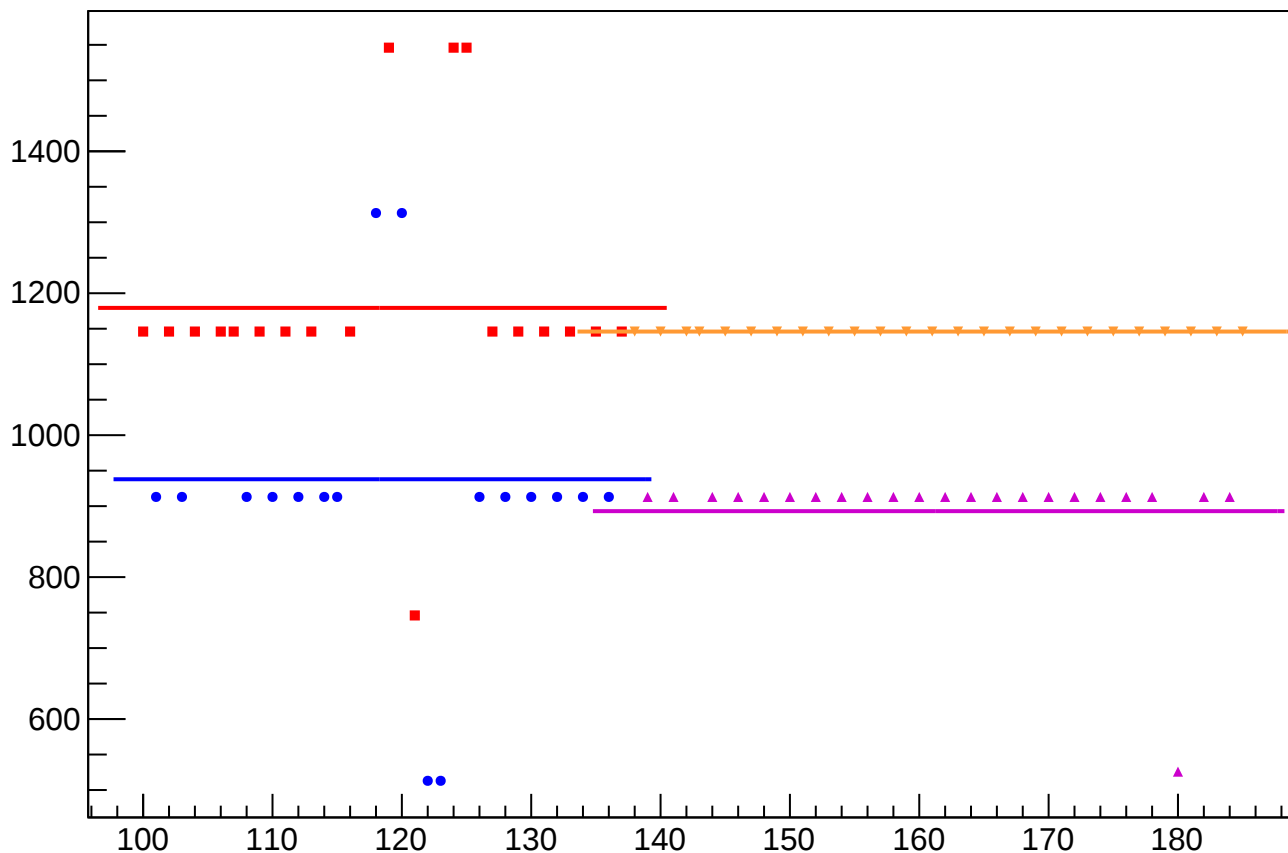
Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 114986101427233622065152.0/22

+ sign 16.270 $\pm$ 0.000 χ^2 /NDF: 4872116297468298

All: 16.492 $\pm$ 0.000 χ^2 /NDF: 1246515196933

- sign 16.720 $\pm$ 0.000 χ^2 /NDF: 5066796039112003

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 937.887 $\pm$ 0.000 χ^2 /NDF: 20853195799113284359206128263972782080.0/16

Left Out: 1146.011 $\pm$ 0.000 χ^2 /NDF: 8023747406982435024924573696.0/24

Right Out: 1179.343 $\pm$ 0.000 χ^2 /NDF: 21280712999839458982137051519993774080.0/18

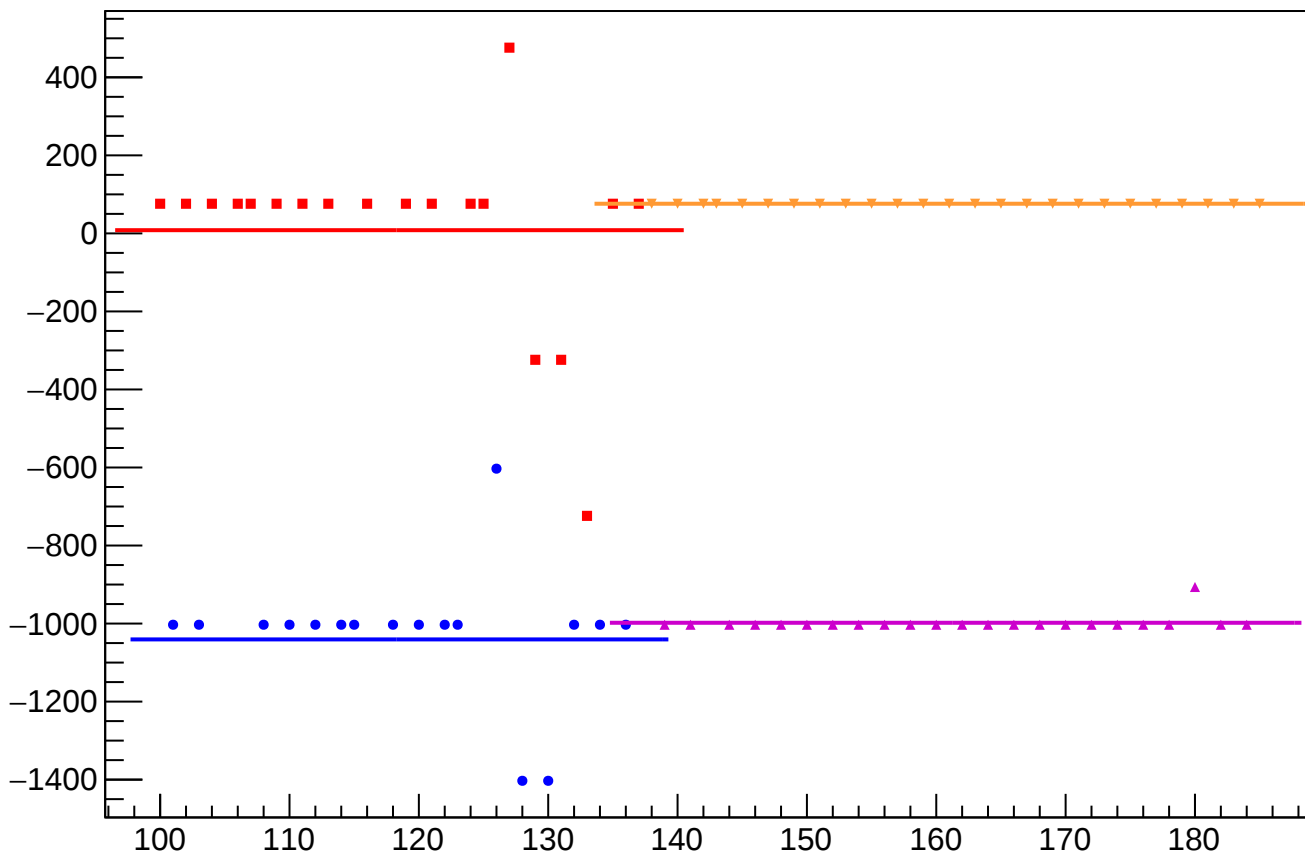
Left In: 892.950 $\pm$ 0.000 χ^2 /NDF: 13213852485930520518972295012897783808.0/22

All: 1033.401 $\pm$ 0.000 χ^2 /NDF: 13642089542

+ sign 1090.356 $\pm$ 0.000 χ^2 /NDF: 42780313833576

- sign 974.907 $\pm$ 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 : 11899701523180197912965545984.0/24

Right Out: 8.231+/-0.000 χ^2/NDF : 43732051061335101274341918679788158976.0/18

Left In: -997.979+/-0.000 χ^2/NDF : 825858066518991041870194619245920256.0/22

+ sign -222.592+/-0.000 χ^2/NDF : 65339992638947

All: -463.063+/-0.000 χ^2/NDF : 15212047629

- sign -710.033+/-0.000 χ^2/NDF : 564919749157364