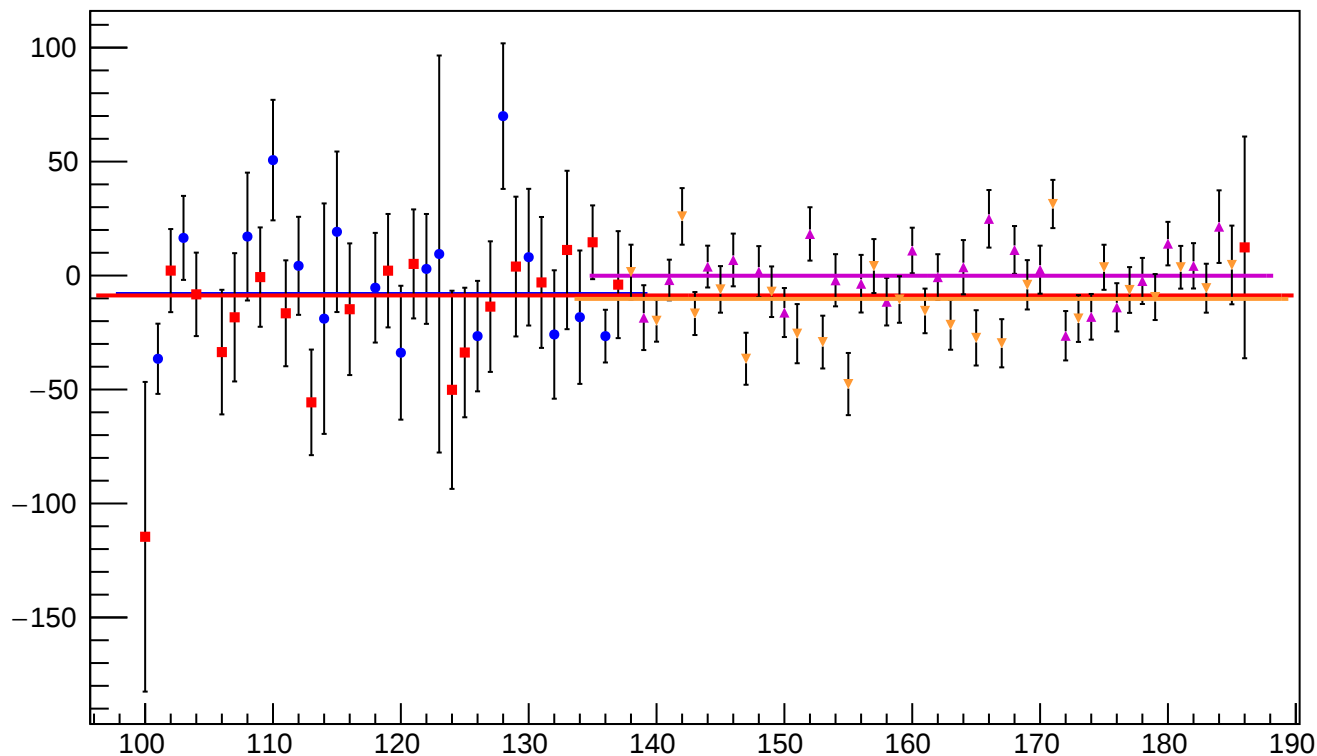


diff_bpm4aX_mean vs Slug



Right In: -8.097 ± 5.619

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

Left Out: -10.238 ± 2.170

$\chi^2/\text{NDF}: 58.1/24$

Right Out: -8.727 ± 5.649

$\chi^2/\text{NDF}: 13.2/19$

Left In: -0.080 ± 2.251

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

+ sign -9.960 ± 2.025

$\chi^2/\text{NDF}: 81.1/41$

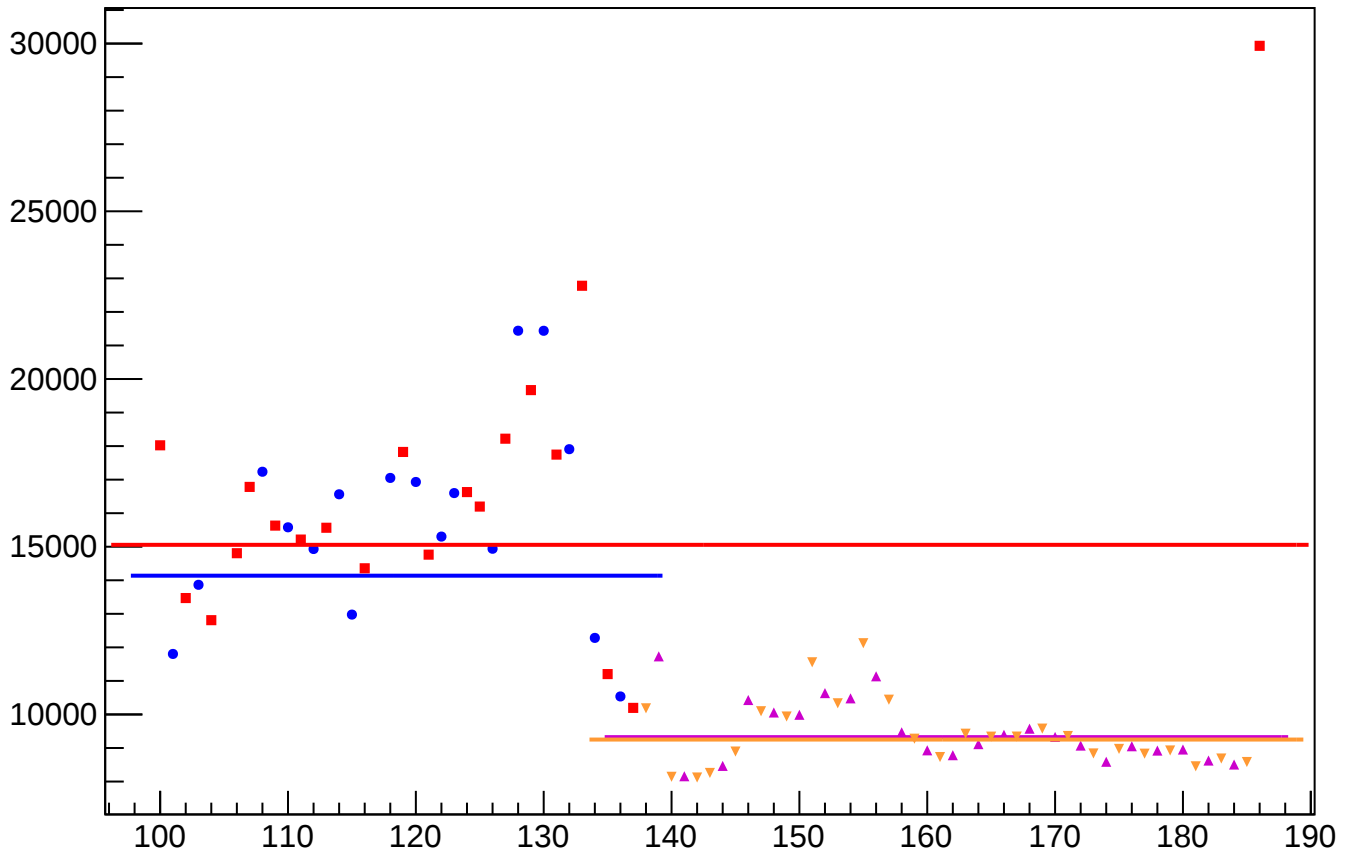
All: -5.752 ± 1.454

$\chi^2/\text{NDF}: 135.1/84$

- sign -1.265 ± 2.091

$\chi^2/\text{NDF}: 45.1/42$

diff_bpm4aX_rms vs Slug



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

Left Out: 9251.811+/-1.535 χ^2/NDF : 332323.3/24

+ sign 9885.869+/-1.432 χ^2/NDF : 2250681.2/41

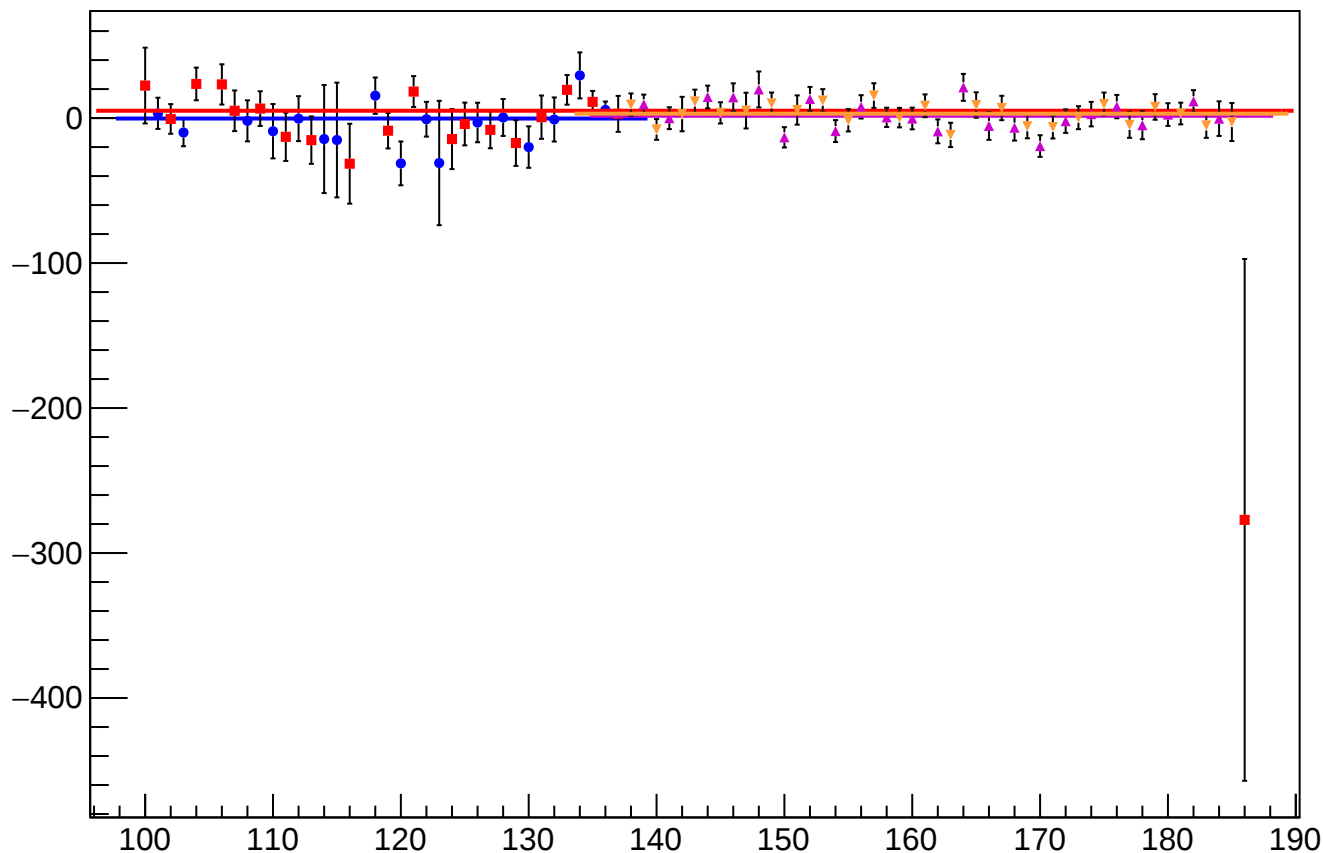
Right Out: 15056.763+/-3.994 χ^2/NDF : 663489.3/19

All: 9993.988+/-1.028 χ^2/NDF : 4979395.9/84

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

- sign 10109.295+/-1.478 χ^2/NDF : 2716927.1/42

diff_bpm4aY_mean vs Slug



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

Left Out: 3.027 ± 1.661 χ^2/NDF : 18.6/24

Right Out: 5.052 ± 2.942 χ^2/NDF : 22.0/19

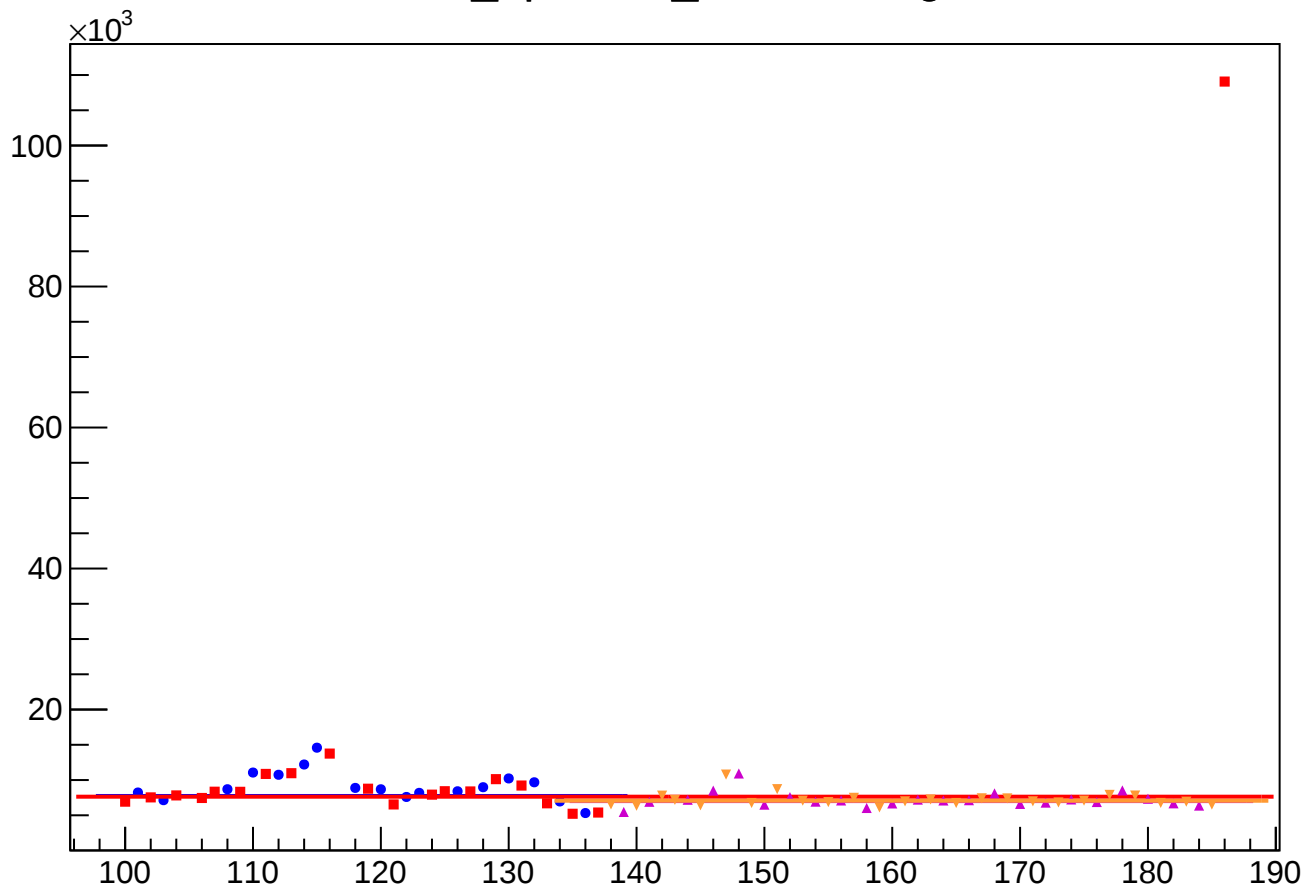
Left In: 1.588 ± 1.703 χ^2/NDF : 35.5/22

+ sign 2.273 ± 1.461 χ^2/NDF : 33.9/41

All: 2.364 ± 1.038 χ^2/NDF : 92.5/84

- sign 2.457 ± 1.474 χ^2/NDF : 58.5/42

diff_bpm4aY_rms vs Slug



Right In: 7738.934 ± 2.176 $\chi^2/\text{NDF}: 740969.1/16$

Left Out: 7064.457 ± 1.174 $\chi^2/\text{NDF}: 386814.9/24$

Right Out: 7638.501 ± 2.080 $\chi^2/\text{NDF}: 1318822.6/19$

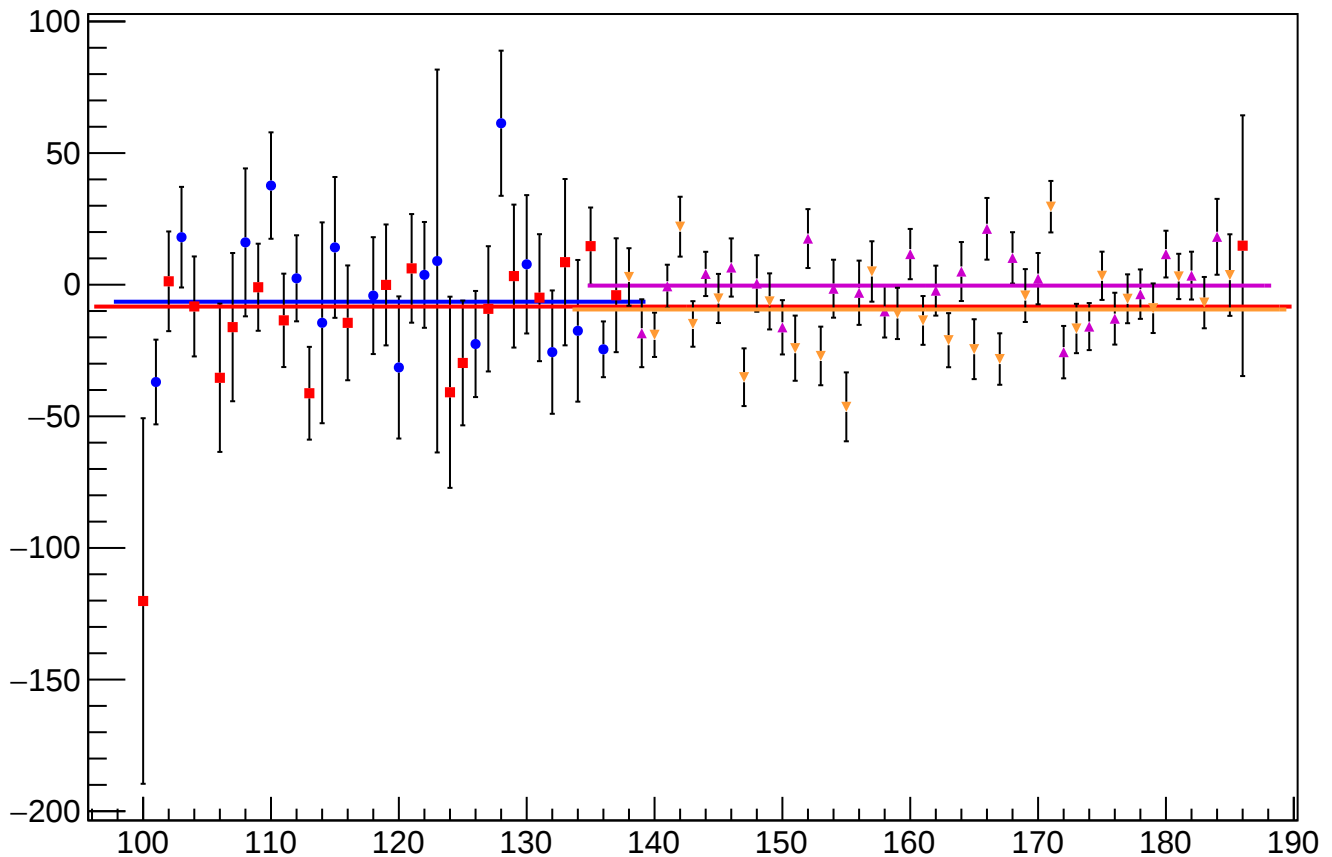
Left In: 7014.572 ± 1.204 $\chi^2/\text{NDF}: 525313.7/22$

+ sign 7216.603 ± 1.033 $\chi^2/\text{NDF}: 1202212.3/41$

All: 7194.058 ± 0.734 $\chi^2/\text{NDF}: 3114704.4/84$

- sign 7171.133 ± 1.042 $\chi^2/\text{NDF}: 1911531.9/42$

diff_bpm4eX_mean vs Slug



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

Left Out: -9.411 ± 2.021 χ^2/NDF : 58.8/24

Right Out: -8.311 ± 4.983 χ^2/NDF : 13.1/19

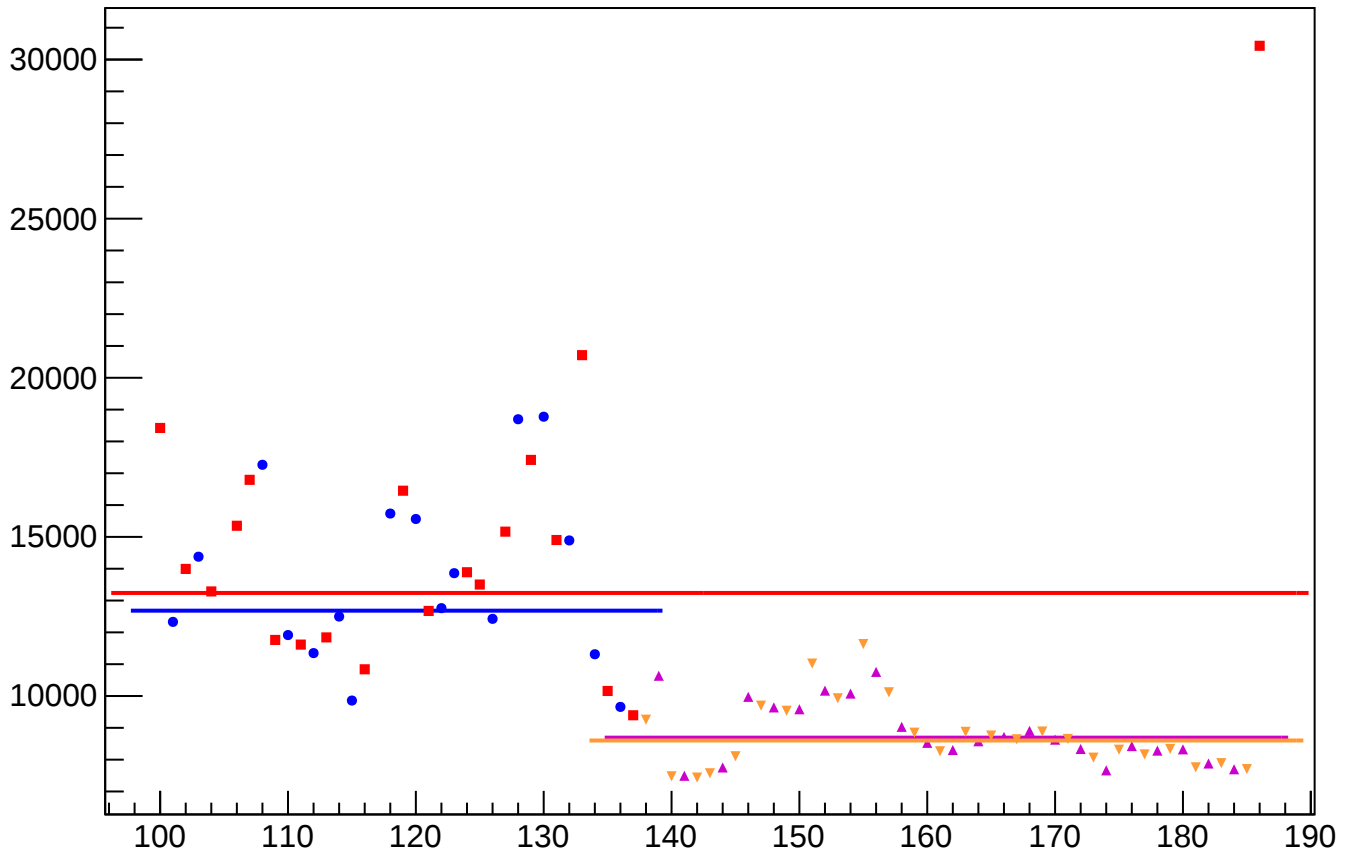
Left In: -0.344 ± 2.100 χ^2/NDF : 29.9/22

+ sign -9.001 ± 1.875 χ^2/NDF : 82.5/41

All: -5.392 ± 1.347 χ^2/NDF : 135.4/84

- sign -1.546 ± 1.936 χ^2/NDF : 45.2/42

diff_bpm4eX_rms vs Slug



Right In: 12681.868 $\pm$ 3.556 χ^2 /NDF: 558641.1/16

Left Out: 8602.220 $\pm$ 1.429 χ^2 /NDF: 438805.2/24

Right Out: 13238.554 $\pm$ 3.524 χ^2 /NDF: 742770.6/19

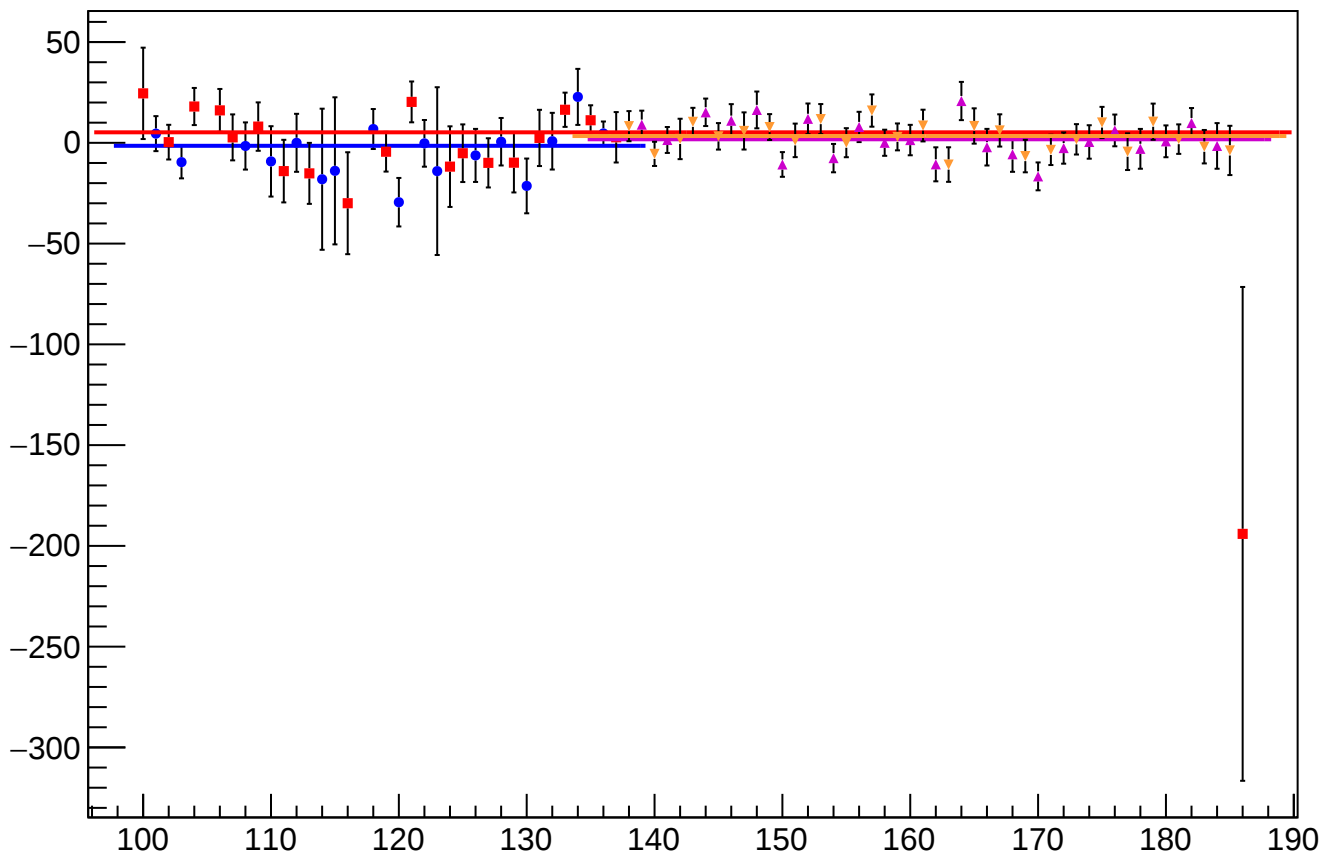
Left In: 8691.203 $\pm$ 1.485 χ^2 /NDF: 365254.6/22

+ sign 9169.560 $\pm$ 1.326 χ^2 /NDF: 2130802.2/41

All: 9270.109 $\pm$ 0.952 χ^2 /NDF: 4664833.7/84

- sign 9377.235 $\pm$ 1.369 χ^2 /NDF: 2522155.1/42

diff_bpm4eY_mean vs Slug



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

Left Out: 3.374 ± 1.552 χ^2/NDF : 17.2/24

Right Out: 5.214 ± 2.644 χ^2/NDF : 21.5/19

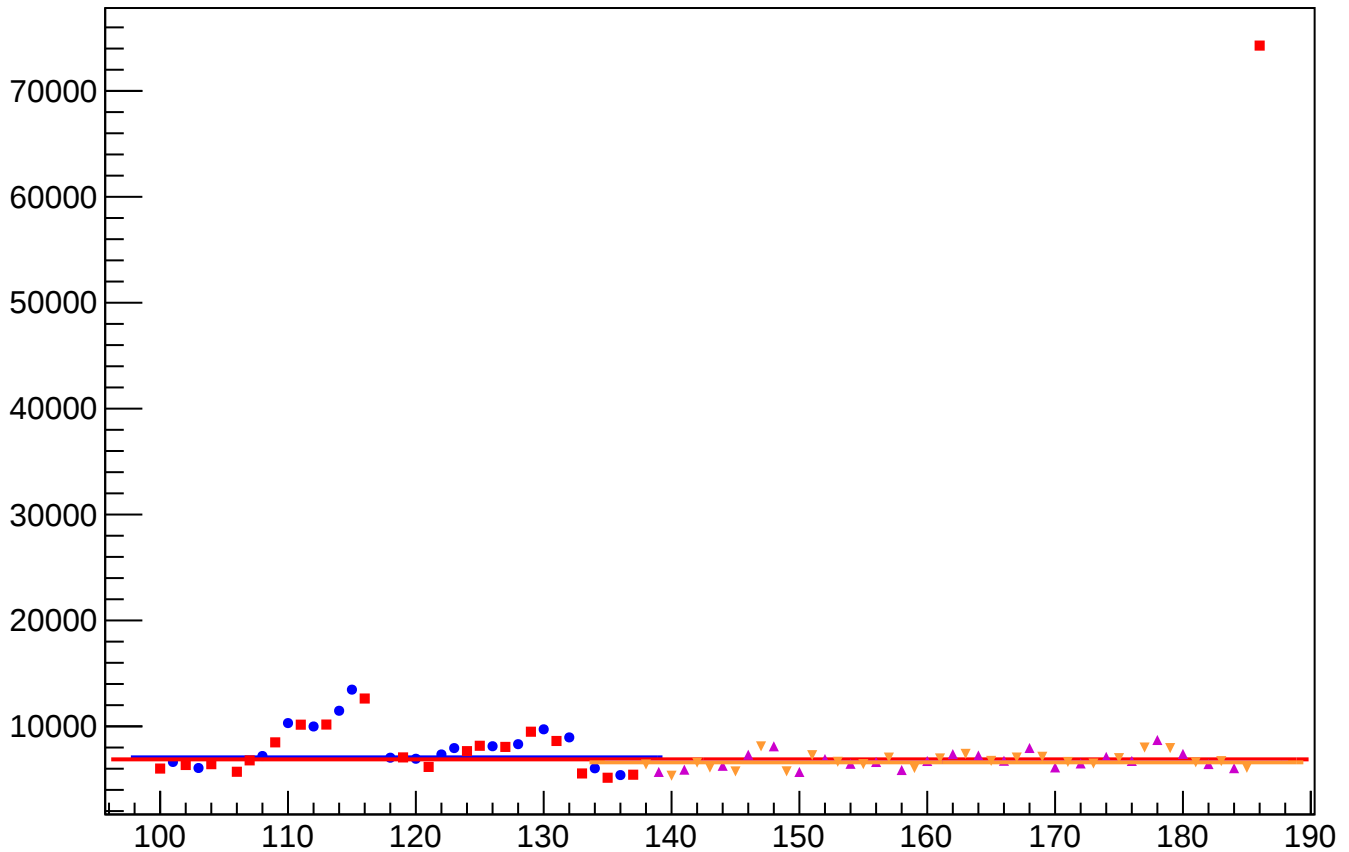
Left In: 1.756 ± 1.607 χ^2/NDF : 33.5/22

+ sign 2.231 ± 1.357 χ^2/NDF : 34.2/41

All: 2.457 ± 0.965 χ^2/NDF : 90.6/84

- sign 2.689 ± 1.373 χ^2/NDF : 56.3/42

diff_bpm4eY_rms vs Slug



Right In: 7070.220 $\pm$ 1.977 χ^2 /NDF: 600878.1/16

Left Out: 6603.953 $\pm$ 1.097 χ^2 /NDF: 395247.5/24

Right Out: 6882.992 $\pm$ 1.870 χ^2 /NDF: 1294031.7/19

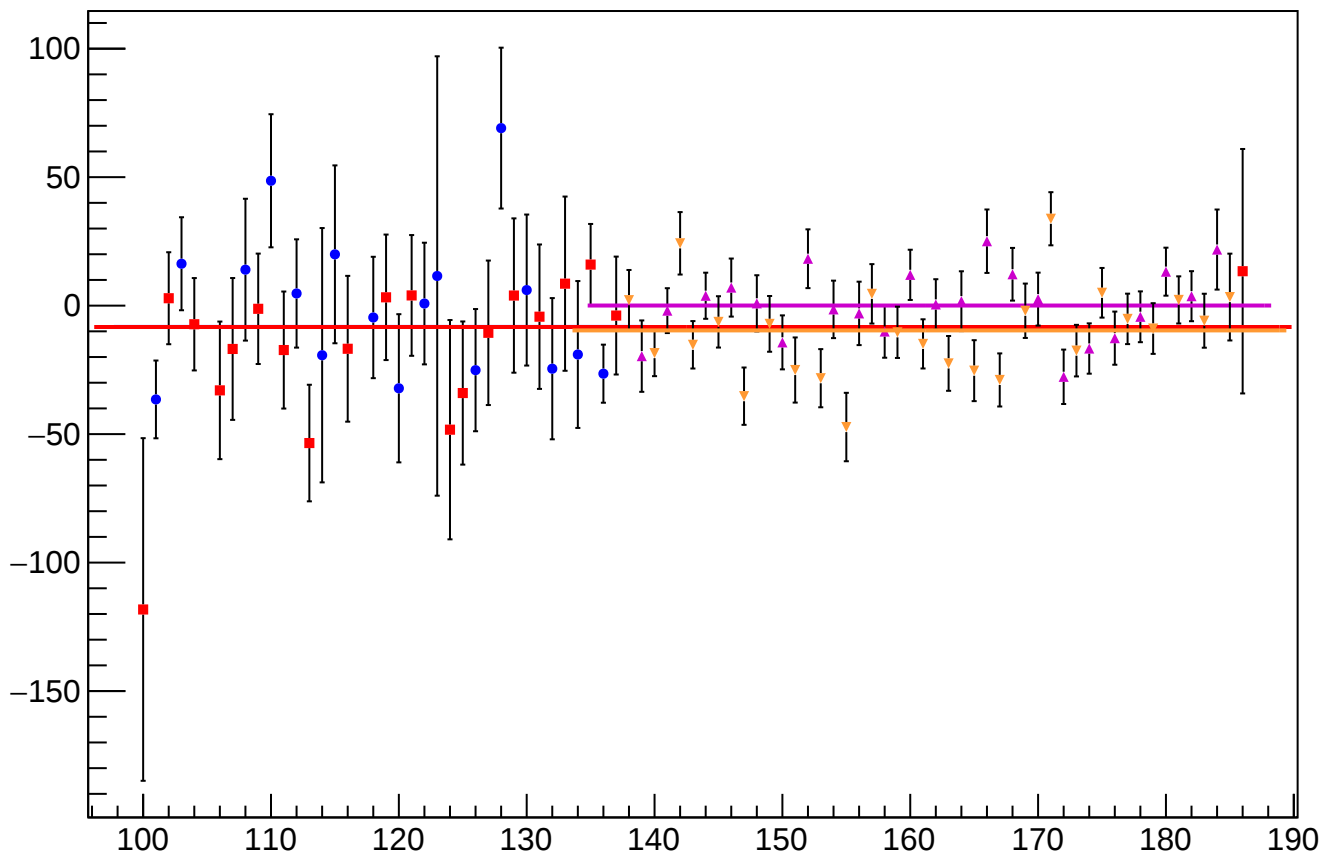
Left In: 6637.155 $\pm$ 1.136 χ^2 /NDF: 415547.5/22

+ sign 6713.804 $\pm$ 0.959 χ^2 /NDF: 1038665.4/41

All: 6708.701 $\pm$ 0.682 χ^2 /NDF: 2760928.2/84

- sign 6703.473 $\pm$ 0.971 χ^2 /NDF: 1722205.5/42

diff_bpm4acX_mean vs Slug



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

Left Out: -9.640 ± 2.122 χ^2/NDF : 59.9/24

Right Out: -8.316 ± 5.538 χ^2/NDF : 13.6/19

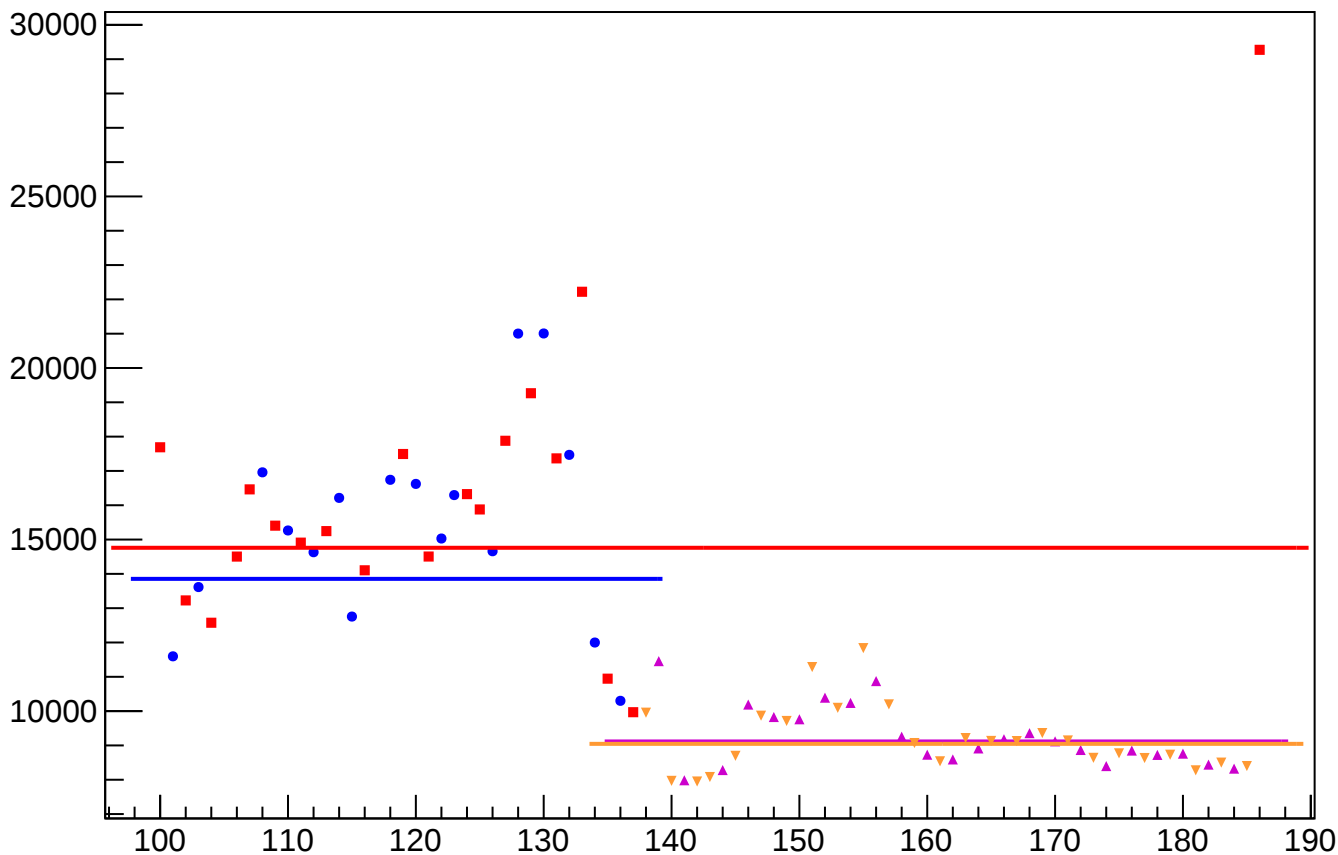
Left In: 0.042 ± 2.200 χ^2/NDF : 30.8/22

+ sign -9.466 ± 1.980 χ^2/NDF : 82.7/41

All: -5.416 ± 1.422 χ^2/NDF : 137.7/84

- sign -1.097 ± 2.045 χ^2/NDF : 46.4/42

diff_bpm4acX_rms vs Slug



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

Left Out: 9045.871 ± 1.500 χ^2/NDF : 328508.5/24

Right Out: 14760.410 ± 3.916 χ^2/NDF : 664468.3/19

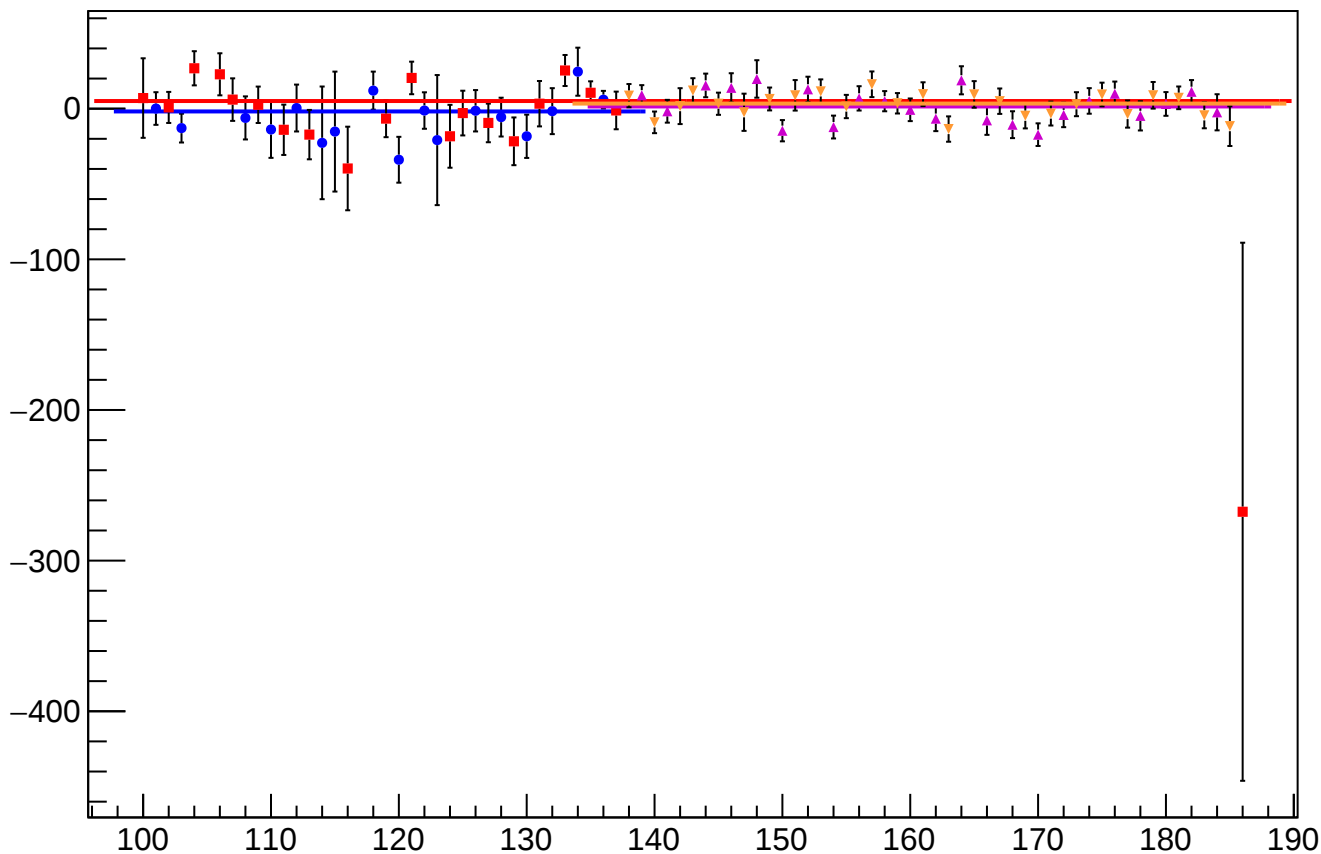
Left In: 9115.817 ± 1.556 χ^2/NDF : 272471.8/22

+ sign 9667.228 ± 1.400 χ^2/NDF : 2262132.1/41

All: 9772.764 ± 1.006 χ^2/NDF : 5005424.9/84

- sign 9885.318 ± 1.446 χ^2/NDF : 2731550.0/42

diff_bpm4acY_mean vs Slug



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

Left Out: 3.387 ± 1.668 χ^2/NDF : 19.4/24

Right Out: 5.080 ± 2.964 χ^2/NDF : 26.8/19

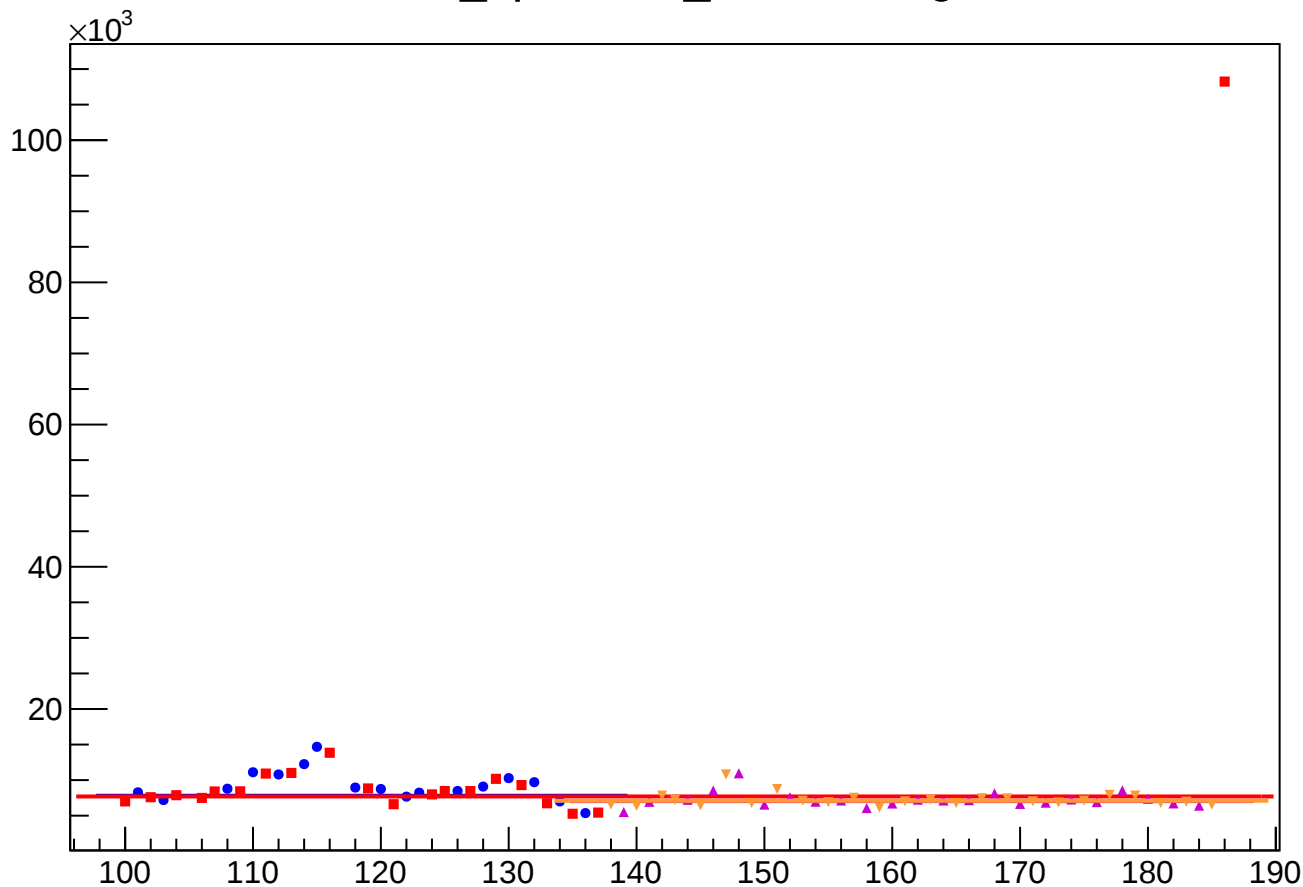
Left In: 1.479 ± 1.710 χ^2/NDF : 36.7/22

+ sign 2.216 ± 1.469 χ^2/NDF : 35.6/41

All: 2.297 ± 1.043 χ^2/NDF : 100.3/84

- sign 2.379 ± 1.481 χ^2/NDF : 64.7/42

diff_bpm4acY_rms vs Slug



Right In: 7797.989 ± 2.192 $\chi^2/\text{NDF}: 736318.7/16$

Left Out: 7096.350 ± 1.179 $\chi^2/\text{NDF}: 381942.1/24$

Right Out: 7700.137 ± 2.096 $\chi^2/\text{NDF}: 1310729.9/19$

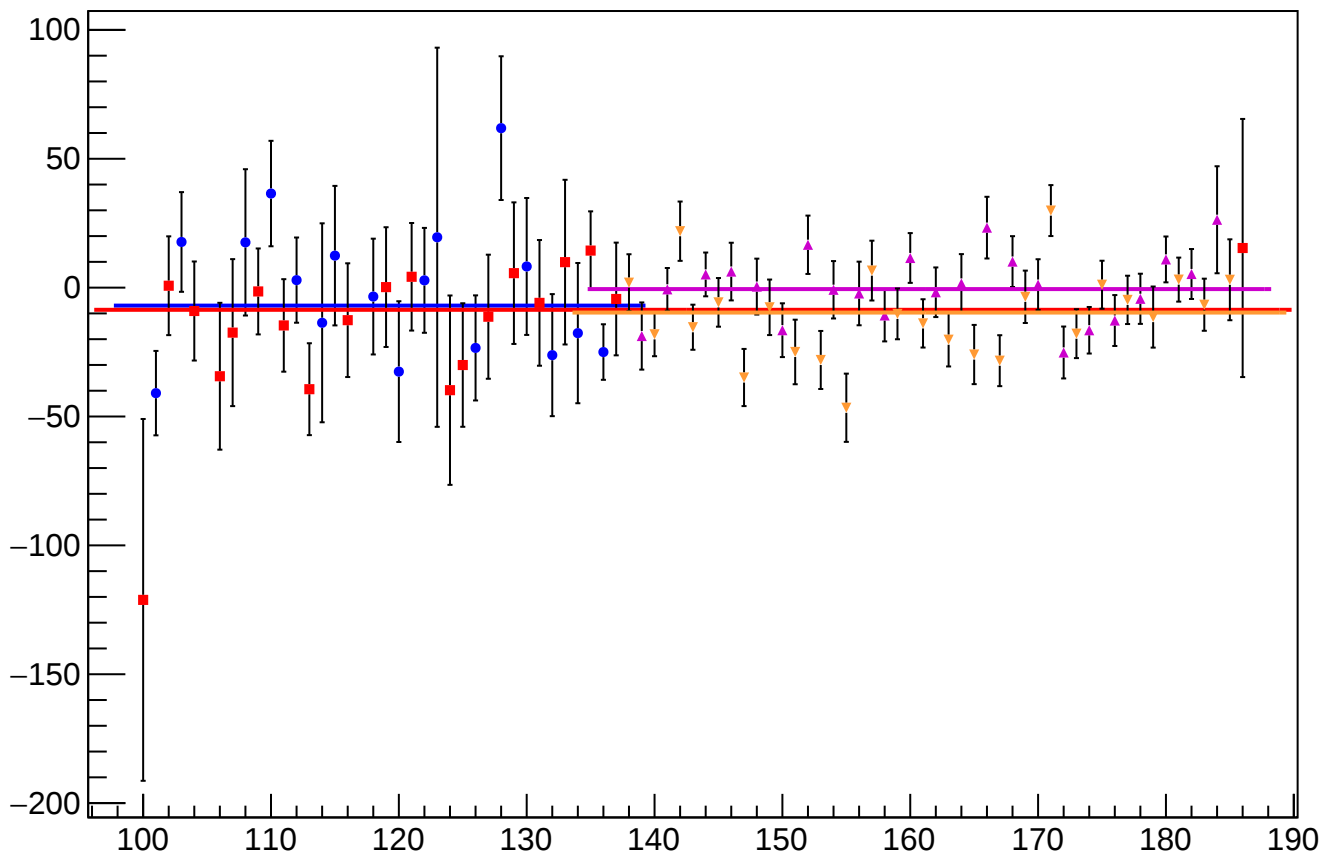
Left In: 7047.269 ± 1.209 $\chi^2/\text{NDF}: 517433.5/22$

+ sign 7253.885 ± 1.039 $\chi^2/\text{NDF}: 1197732.1/41$

All: 7232.282 ± 0.738 $\chi^2/\text{NDF}: 3099552.7/84$

- sign 7210.307 ± 1.047 $\chi^2/\text{NDF}: 1900947.8/42$

diff_bpm4ecX_mean vs Slug



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

Left Out: -9.670 ± 2.061 χ^2/NDF : 57.9/24

Right Out: -8.602 ± 5.054 χ^2/NDF : 12.3/19

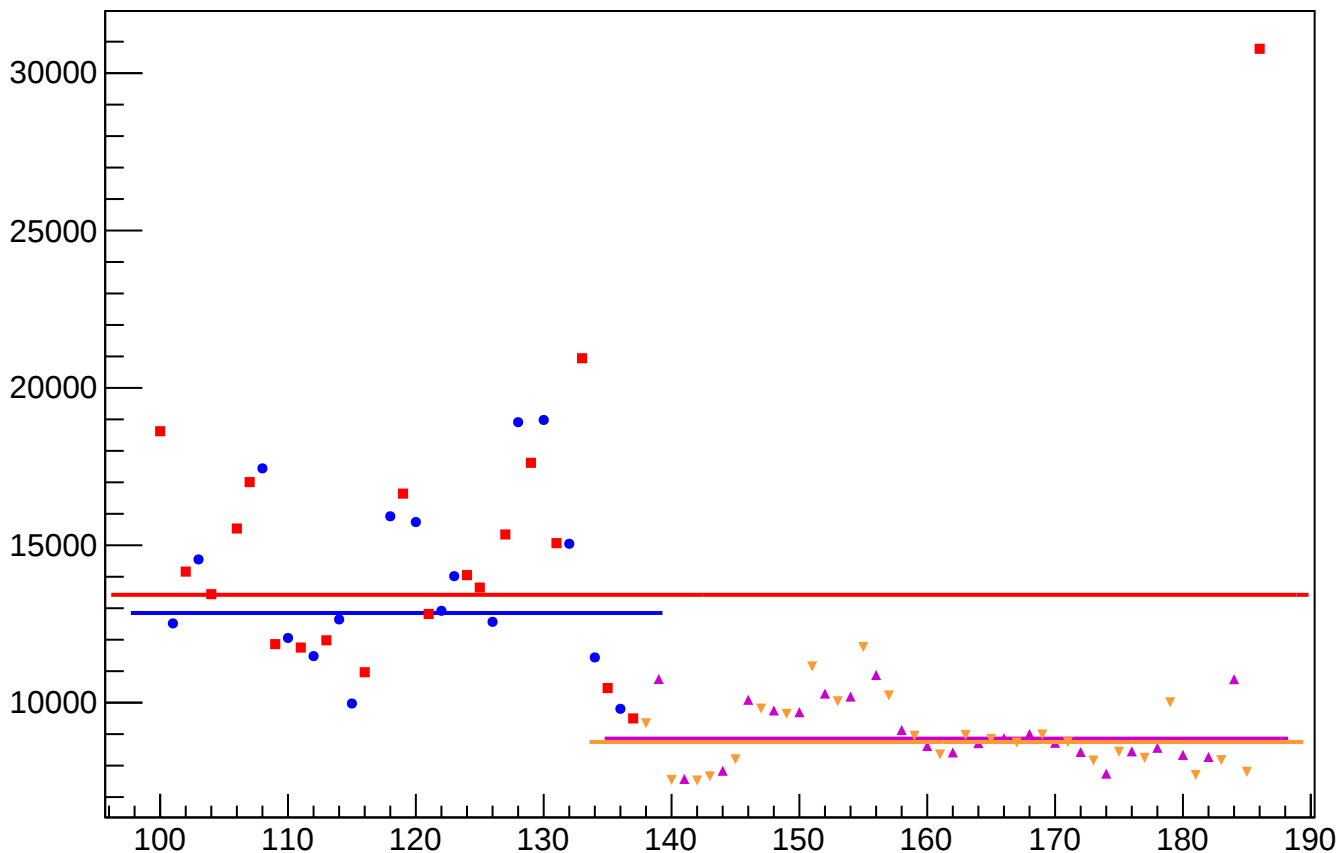
Left In: -0.564 ± 2.144 χ^2/NDF : 29.7/22

+ sign -9.292 ± 1.910 χ^2/NDF : 82.2/41

All: -5.662 ± 1.373 χ^2/NDF : 133.8/84

- sign -1.789 ± 1.973 χ^2/NDF : 44.1/42

diff_bpm4ecX_rms vs Slug



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

Left Out: 8750.420+/-1.457 χ^2/NDF : 463880.1/24

Right Out: 13426.617+/-3.574 χ^2/NDF : 729665.5/19

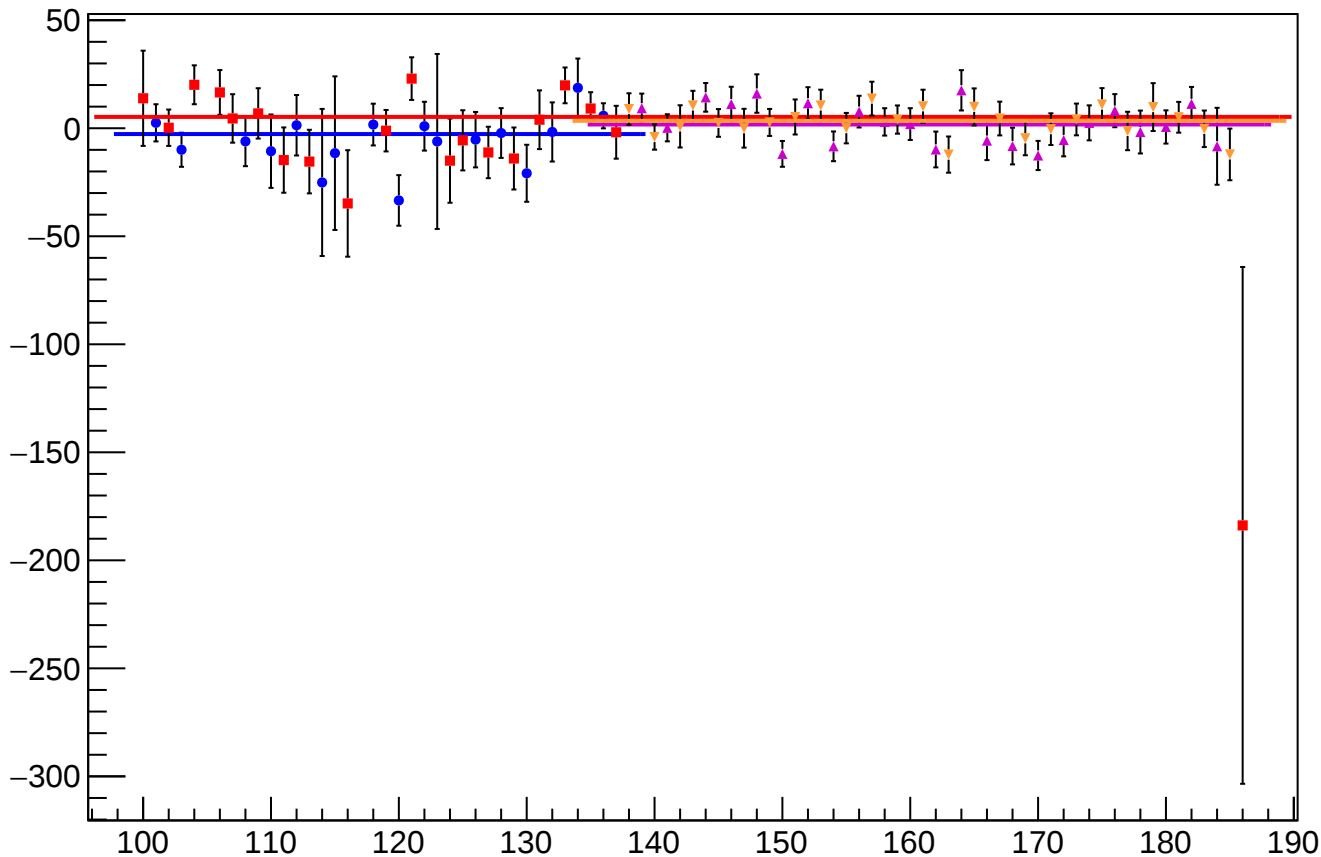
Left In: 8857.329+/-1.516 χ^2/NDF : 361778.8/22

+ sign 9326.357+/-1.351 χ^2/NDF : 2127841.9/41

All: 9436.483+/-0.971 χ^2/NDF : 4618491.4/84

- sign 9554.009+/-1.395 χ^2/NDF : 2476910.2/42

diff_bpm4ecY_mean vs Slug



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

Left Out: 3.433 ± 1.526 χ^2/NDF : 16.2/24

Right Out: 5.250 ± 2.592 χ^2/NDF : 26.1/19

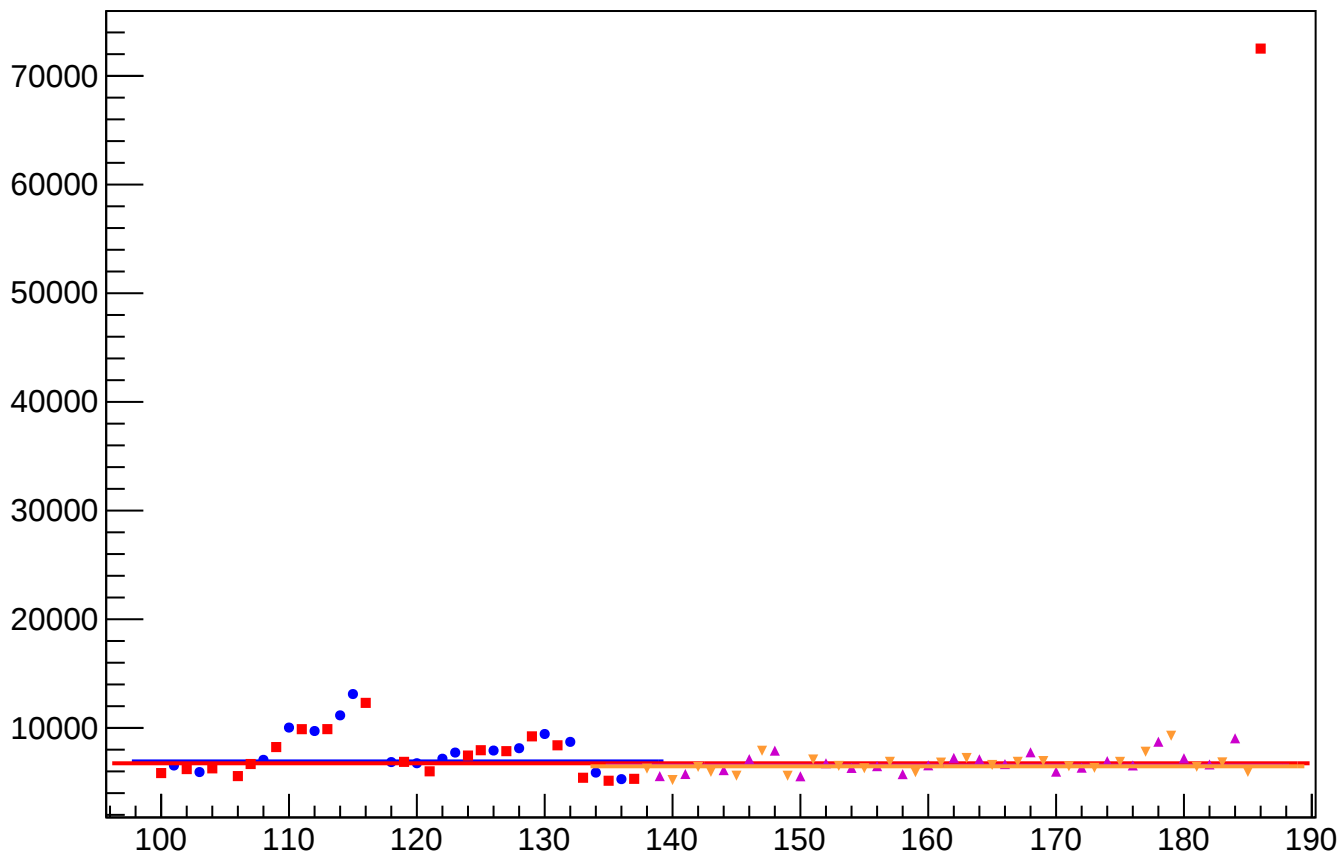
Left In: 1.734 ± 1.586 χ^2/NDF : 33.6/22

+ sign 1.980 ± 1.333 χ^2/NDF : 35.9/41

All: 2.331 ± 0.949 χ^2/NDF : 97.1/84

- sign 2.692 ± 1.353 χ^2/NDF : 61.0/42

diff_bpm4ecY_rms vs Slug



Right In: 6917.700 ± 1.935 $\chi^2/\text{NDF}: 587164.4/16$

Left Out: 6468.872 ± 1.079 $\chi^2/\text{NDF}: 487187.3/24$

Right Out: 6745.982 ± 1.833 $\chi^2/\text{NDF}: 1265007.3/19$

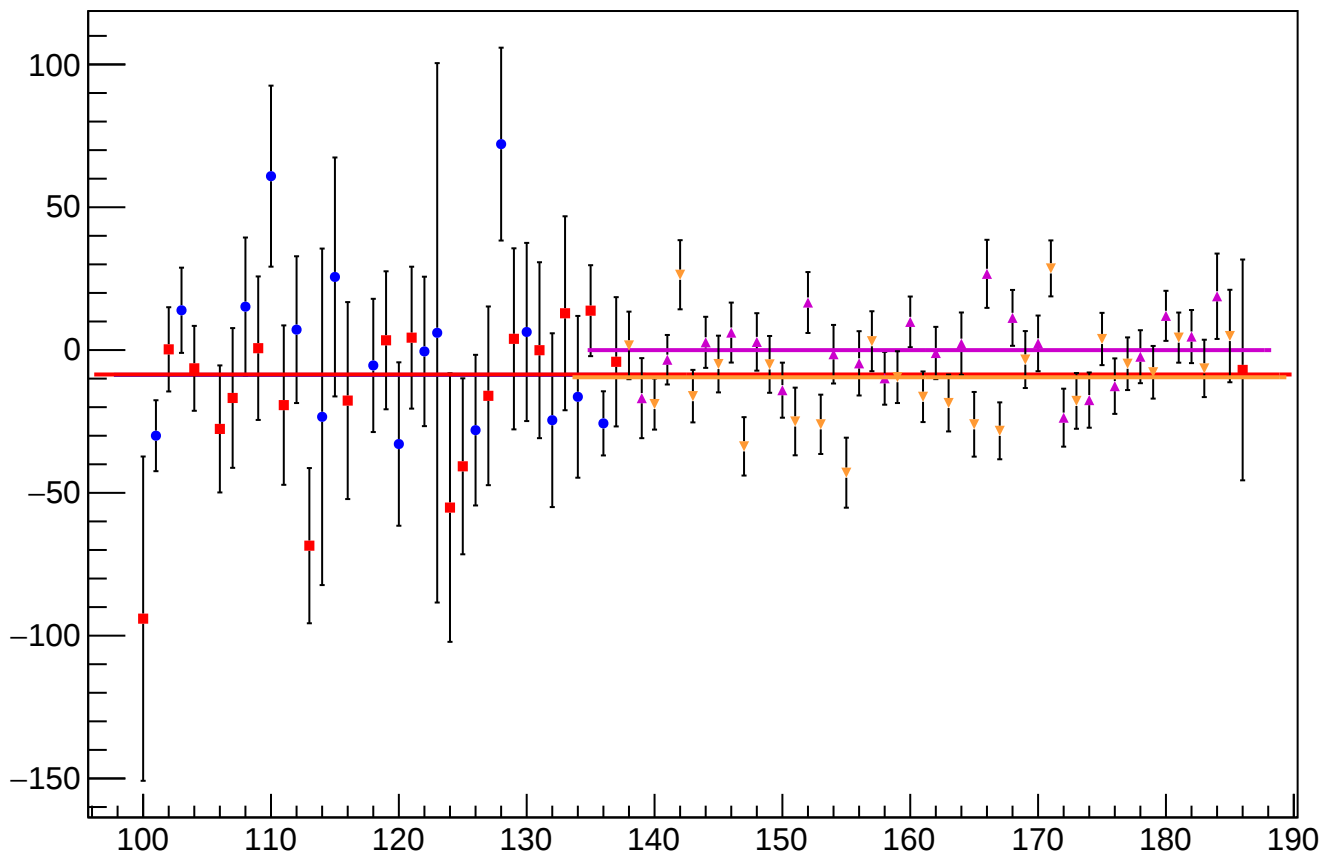
Left In: 6530.954 ± 1.121 $\chi^2/\text{NDF}: 464668.6/22$

+ sign 6575.305 ± 0.942 $\chi^2/\text{NDF}: 1115398.4/41$

All: 6582.311 ± 0.671 $\chi^2/\text{NDF}: 2855203.4/84$

- sign 6589.530 ± 0.956 $\chi^2/\text{NDF}: 1739692.7/42$

diff_bpm1X_mean vs Slug



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

Left Out: -9.528 ± 2.015 χ^2/NDF : 59.6/24

Right Out: -8.553 ± 5.461 χ^2/NDF : 14.0/19

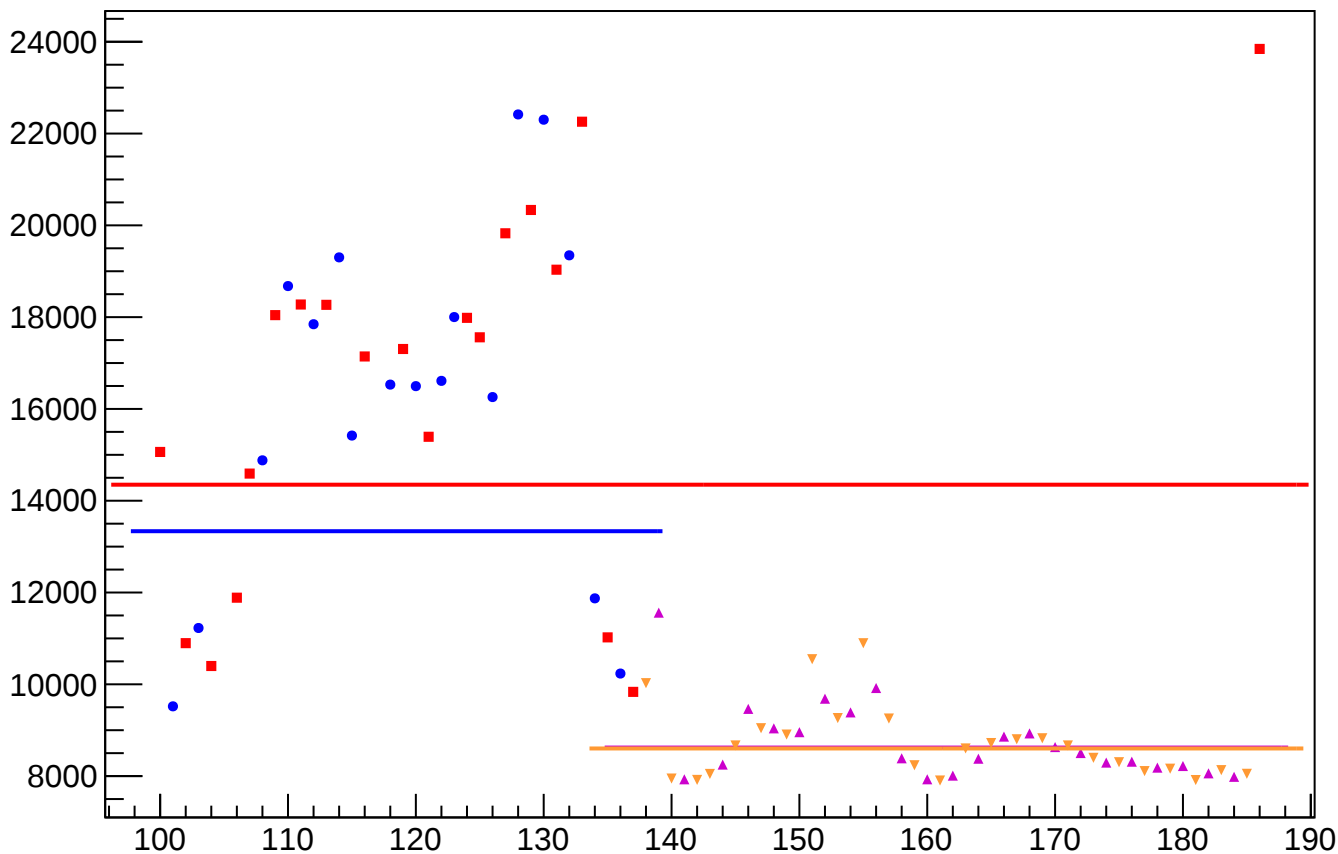
Left In: -0.027 ± 2.080 χ^2/NDF : 29.9/22

+ sign -9.425 ± 1.888 χ^2/NDF : 81.7/41

All: -5.387 ± 1.354 χ^2/NDF : 137.1/84

- sign -1.107 ± 1.944 χ^2/NDF : 46.0/42

diff_bpm1X_rms vs Slug



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

Left Out: 8601.926+/-1.425 χ^2/NDF : 248903.5/24

Right Out: 14349.308+/-3.861 χ^2/NDF : 1055546.2/19

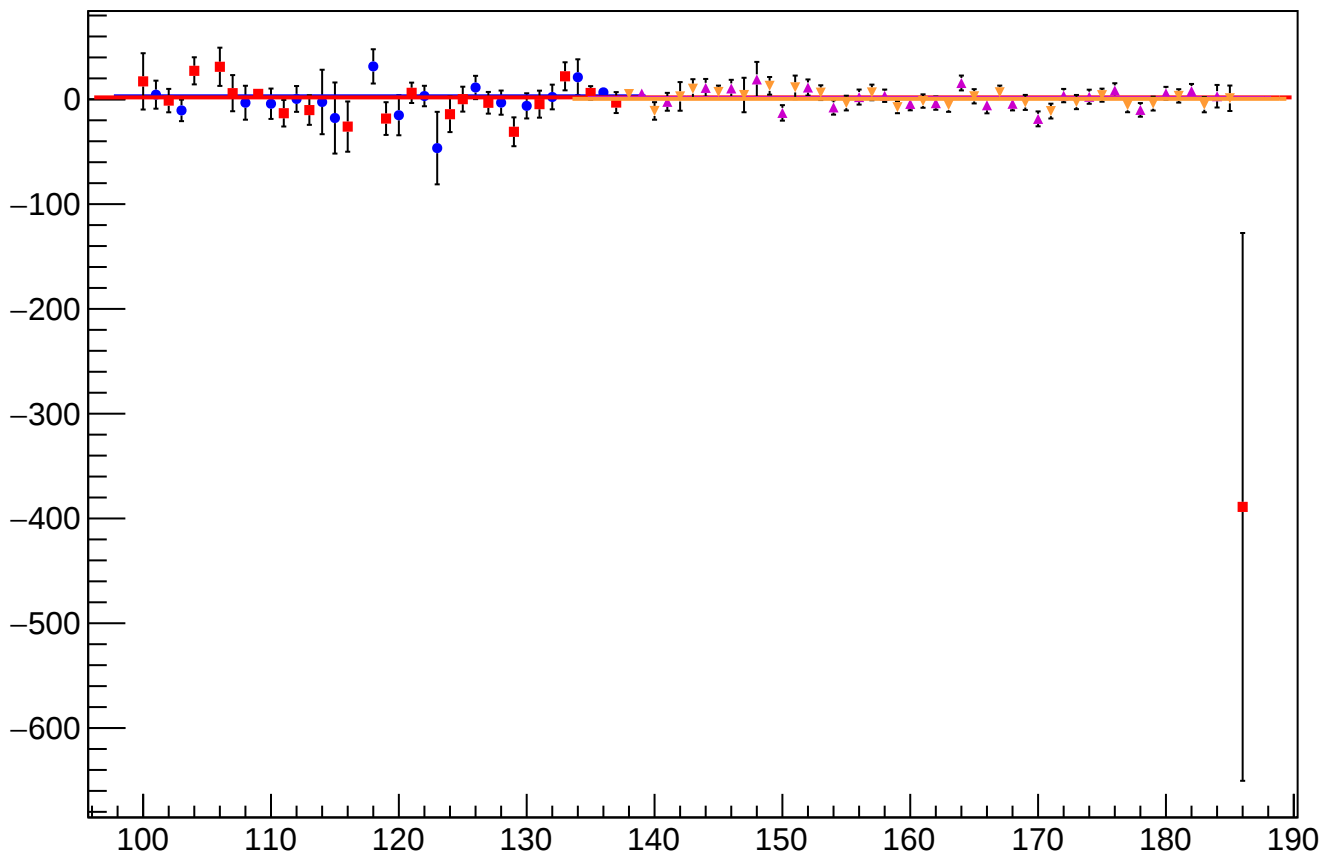
Left In: 8621.975+/-1.471 χ^2/NDF : 230824.4/22

+ sign 9180.391+/-1.335 χ^2/NDF : 2646733.7/41

All: 9261.532+/-0.958 χ^2/NDF : 5861950.9/84

- sign 9347.520+/-1.374 χ^2/NDF : 3207609.1/42

diff_bpm1Y_mean vs Slug



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

Left Out: 0.481 ± 1.419 $\chi^2/\text{NDF}: 19.6/24$

Right Out: 1.858 ± 2.444 $\chi^2/\text{NDF}: 25.0/19$

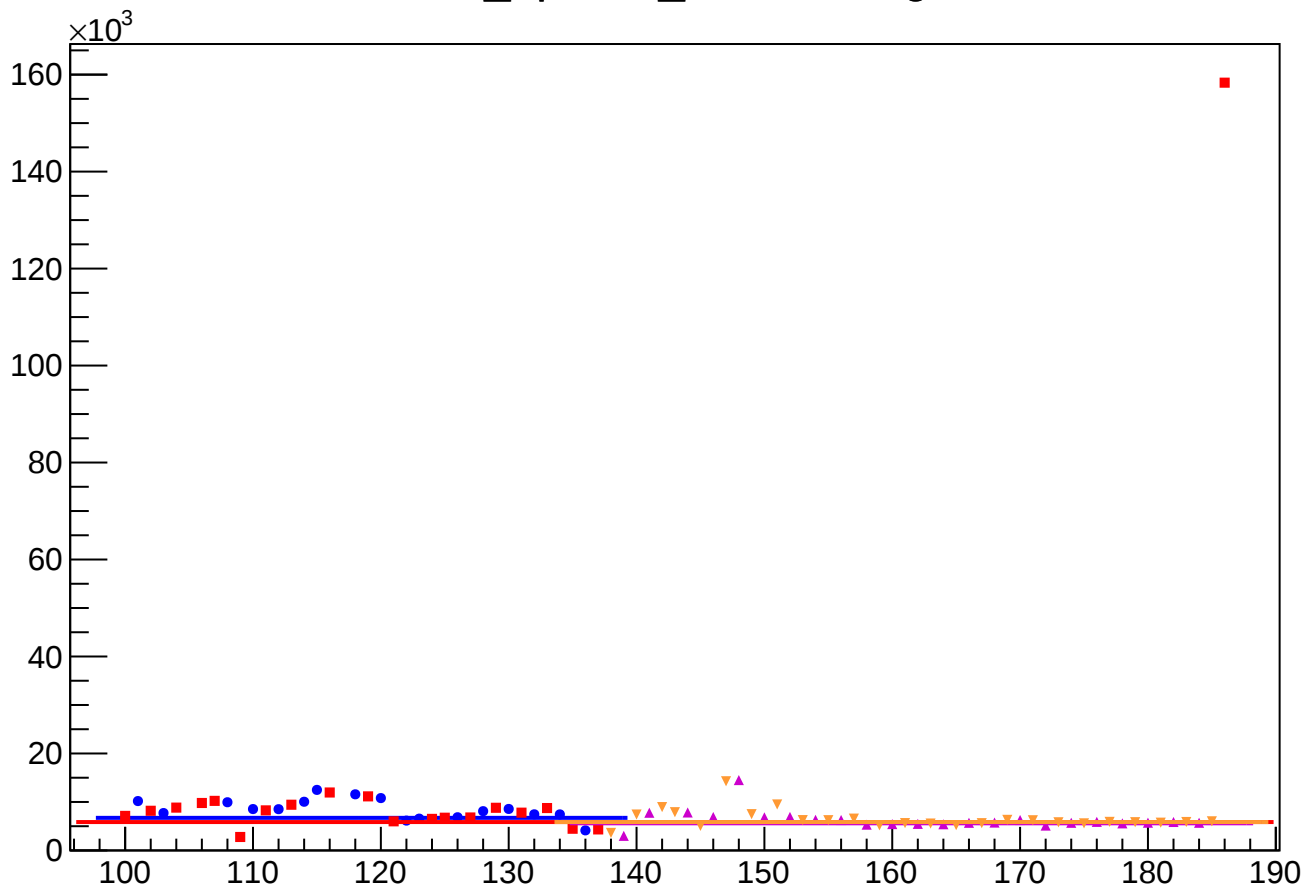
Left In: 1.298 ± 1.406 $\chi^2/\text{NDF}: 33.0/22$

+ sign 0.989 ± 1.262 $\chi^2/\text{NDF}: 32.0/41$

All: 1.221 ± 0.877 $\chi^2/\text{NDF}: 90.1/84$

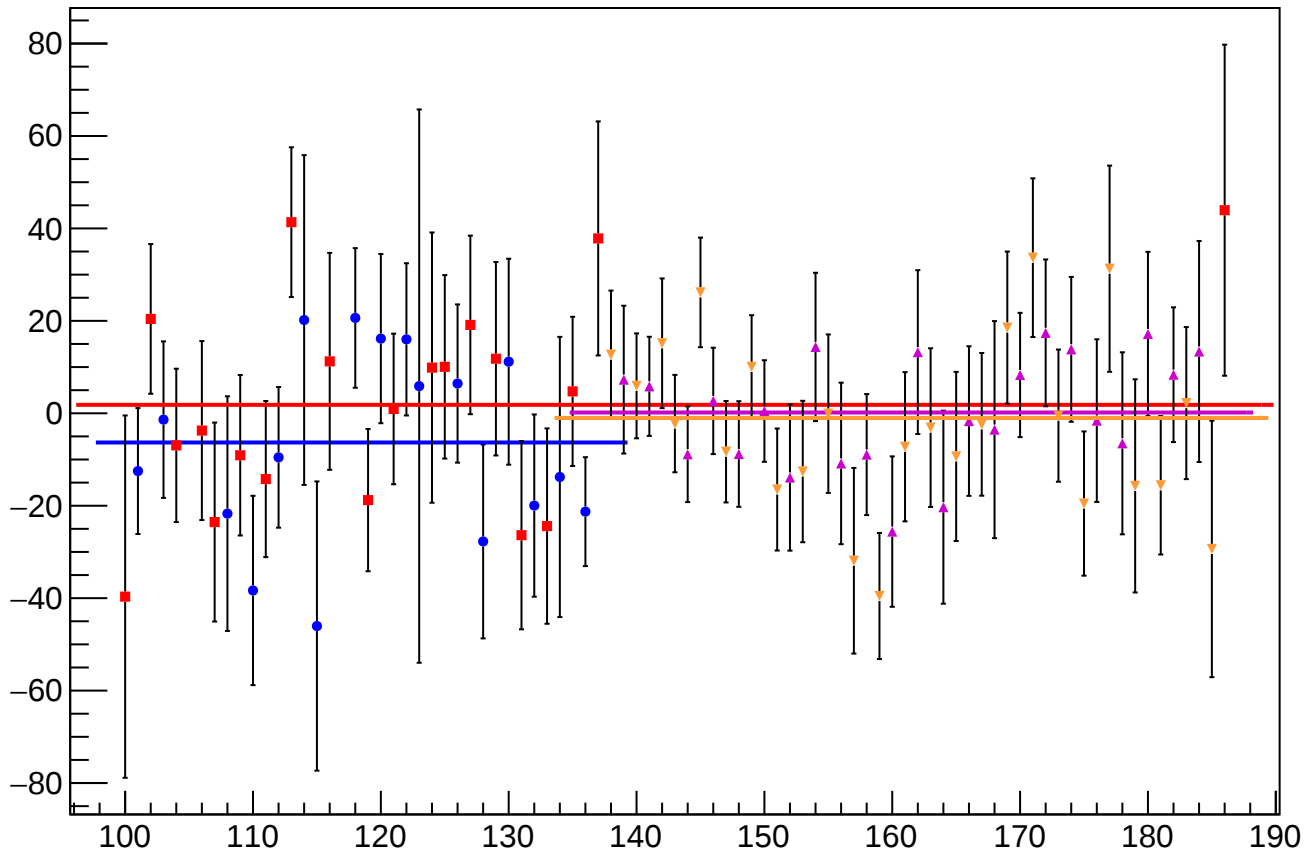
- sign 1.437 ± 1.219 $\chi^2/\text{NDF}: 58.1/42$

diff_bpm1Y_rms vs Slug



Right In: 6724.403 ± 1.950	$\chi^2/\text{NDF}: 1391680.1/16$	+ sign 6039.933 ± 0.892	$\chi^2/\text{NDF}: 3238871.1/41$
Left Out: 5858.642 ± 1.004	$\chi^2/\text{NDF}: 1691344.1/24$	All: 5844.105 ± 0.620	$\chi^2/\text{NDF}: 8399985.5/84$
Right Out: 5856.335 ± 1.728	$\chi^2/\text{NDF}: 2961333.6/19$	- sign 5661.418 ± 0.862	$\chi^2/\text{NDF}: 5068019.5/42$
Left In: 5596.879 ± 0.994	$\chi^2/\text{NDF}: 2089750.1/22$		

diff_bpm11X_mean vs Slug



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

Left Out: -1.007 ± 2.942 χ^2/NDF : 33.5/24

Right Out: 1.828 ± 4.349 χ^2/NDF : 21.6/19

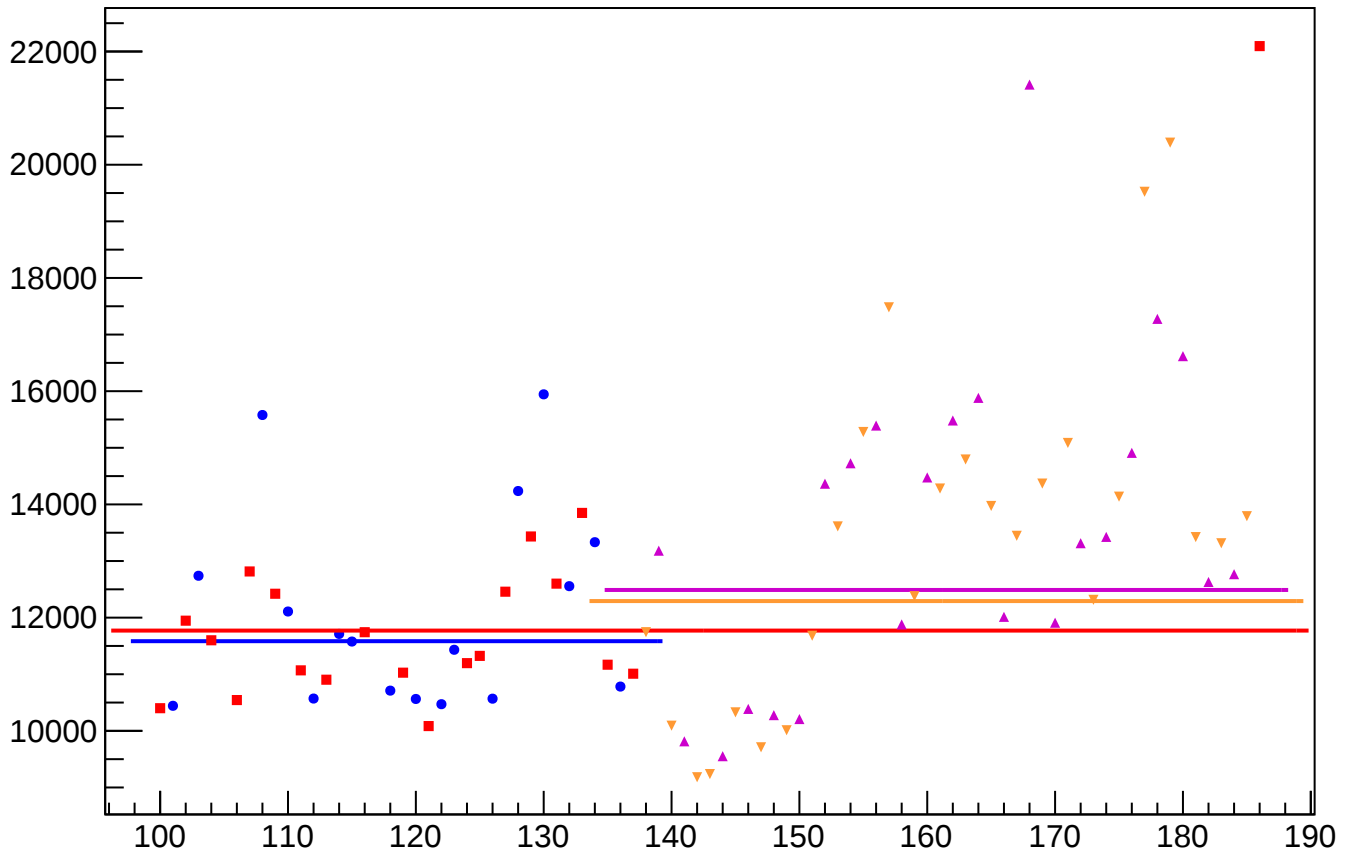
Left In: 0.172 ± 3.067 χ^2/NDF : 12.4/22

+ sign -2.585 ± 2.466 χ^2/NDF : 50.7/41

All: -0.958 ± 1.758 χ^2/NDF : 85.6/84

- sign 0.722 ± 2.507 χ^2/NDF : 34.0/42

diff_bpm11X_rms vs Slug



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

Left Out: 12292.583 $\pm$ 2.080 χ^2 /NDF:1502548.3/24

Right Out: 11771.367 $\pm$ 3.075 χ^2 /NDF: 264127.4/19

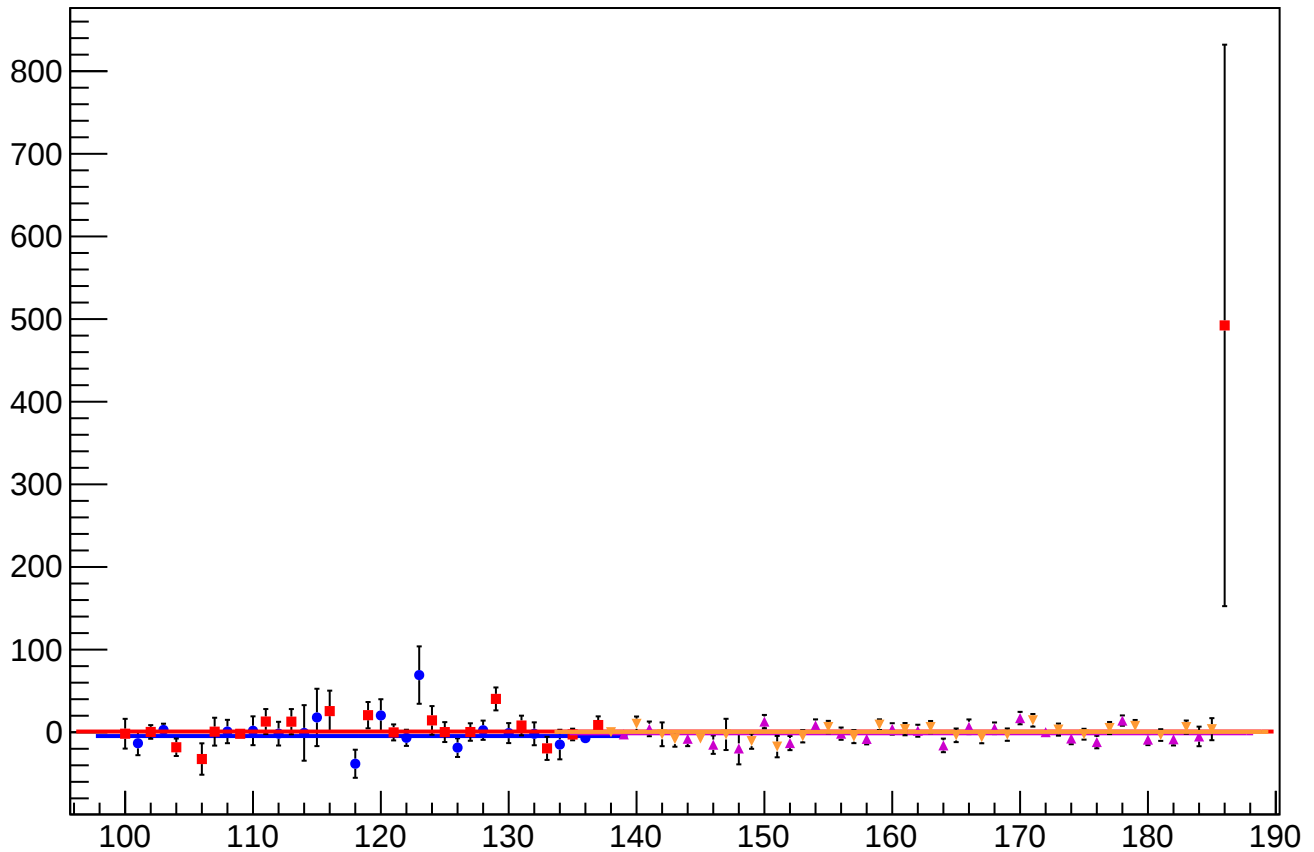
Left In: 12488.821 $\pm$ 2.169 χ^2 /NDF:1354485.4/22

+ sign 12082.104 $\pm$ 1.744 χ^2 /NDF: 1778569.5/41

All: 12164.943 $\pm$ 1.243 χ^2 /NDF: 3438115.7/8

- sign 12250.517 $\pm$ 1.772 χ^2 /NDF: 1654958.7/42

diff_bpm11Y_mean vs Slug



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

Left Out: 0.410 ± 1.435 χ^2/NDF : 19.3/24

Right Out: 0.866 ± 2.431 χ^2/NDF : 24.6/19

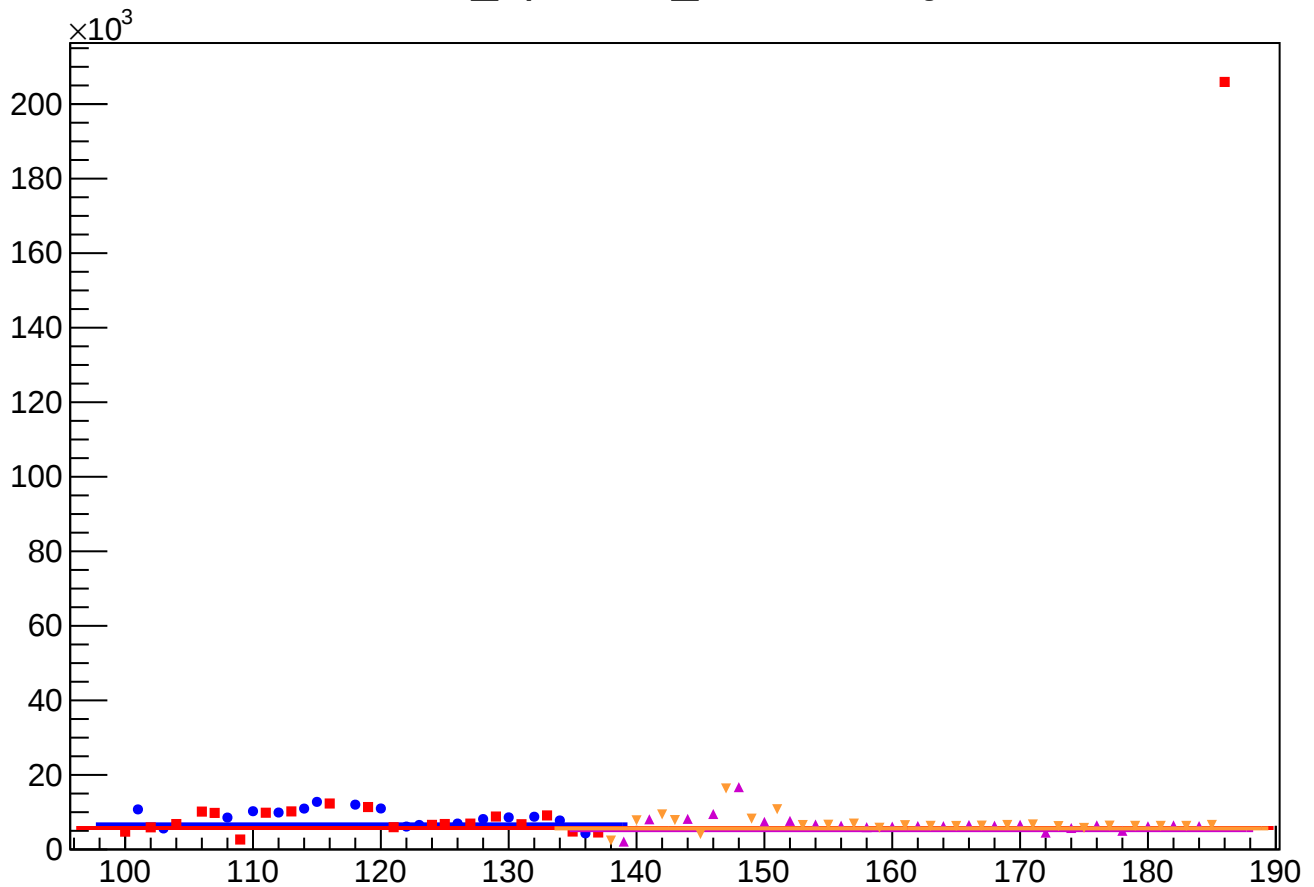
Left In: -1.278 ± 1.386 χ^2/NDF : 34.0/22

+ sign -0.646 ± 1.275 χ^2/NDF : 36.7/41

All: -0.702 ± 0.875 χ^2/NDF : 95.9/84

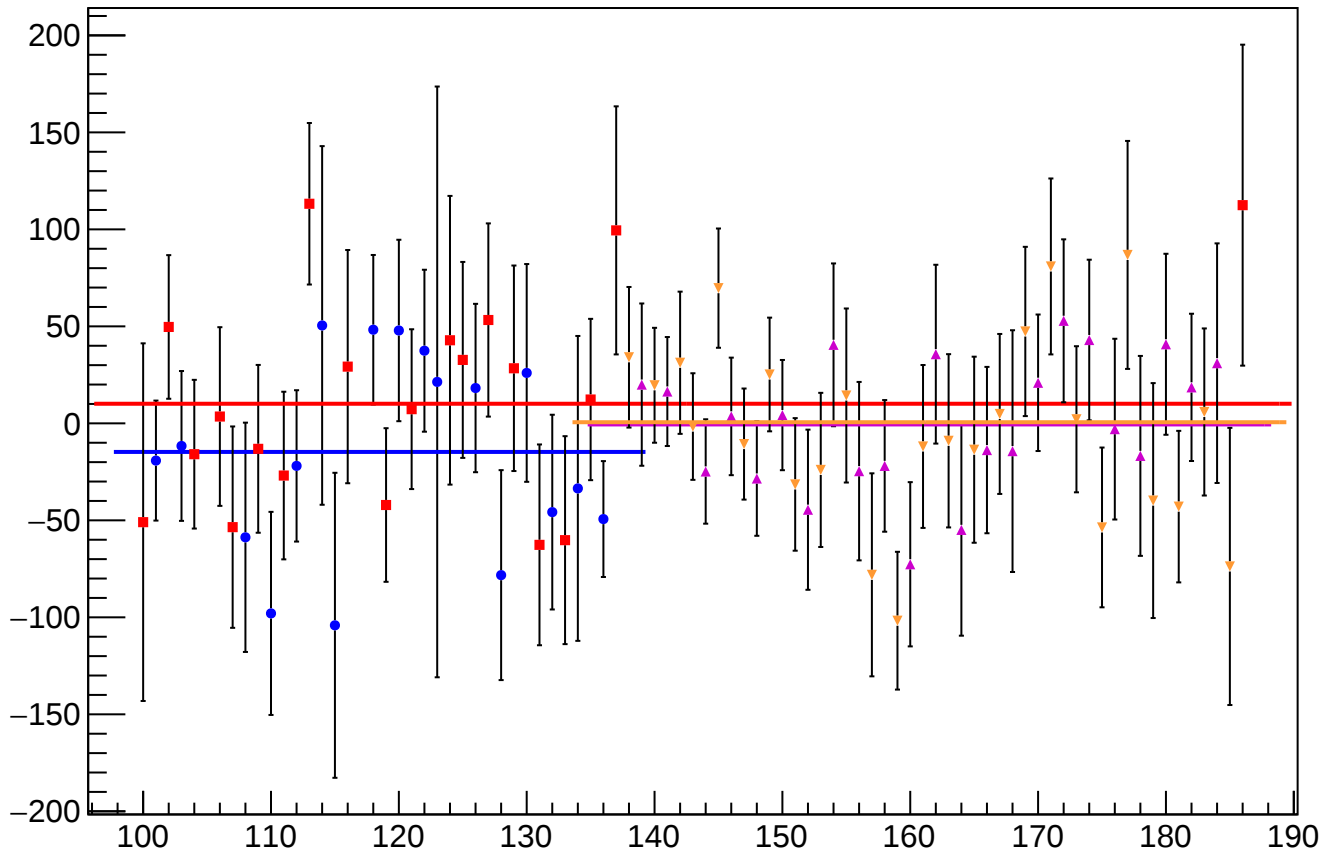
- sign -0.752 ± 1.204 χ^2/NDF : 59.2/42

diff_bpm11Y_rms vs Slug



Right In: 6730.931 ± 1.967 $\chi^2/\text{NDF}: 1444572.7/16$ + sign 5881.534 ± 0.902 $\chi^2/\text{NDF}: 5804747.0/41$
 Left Out: 5655.639 ± 1.014 $\chi^2/\text{NDF}: 4124124.3/24$ All: 5585.625 ± 0.619 $\chi^2/\text{NDF}: 14302132.4/8$
 Right Out: 5755.953 ± 1.719 $\chi^2/\text{NDF}: 2859050.8/19$ - sign 5321.843 ± 0.851 $\chi^2/\text{NDF}: 8293637.2/42$
 Left In: 5180.743 ± 0.980 $\chi^2/\text{NDF}: 5350053.6/22$

diff_bpm12X_mean vs Slug



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

Left Out: 0.580 ± 7.691 χ^2/NDF : 31.0/24

Right Out: 10.104 ± 10.819 χ^2/NDF : 21.0/19

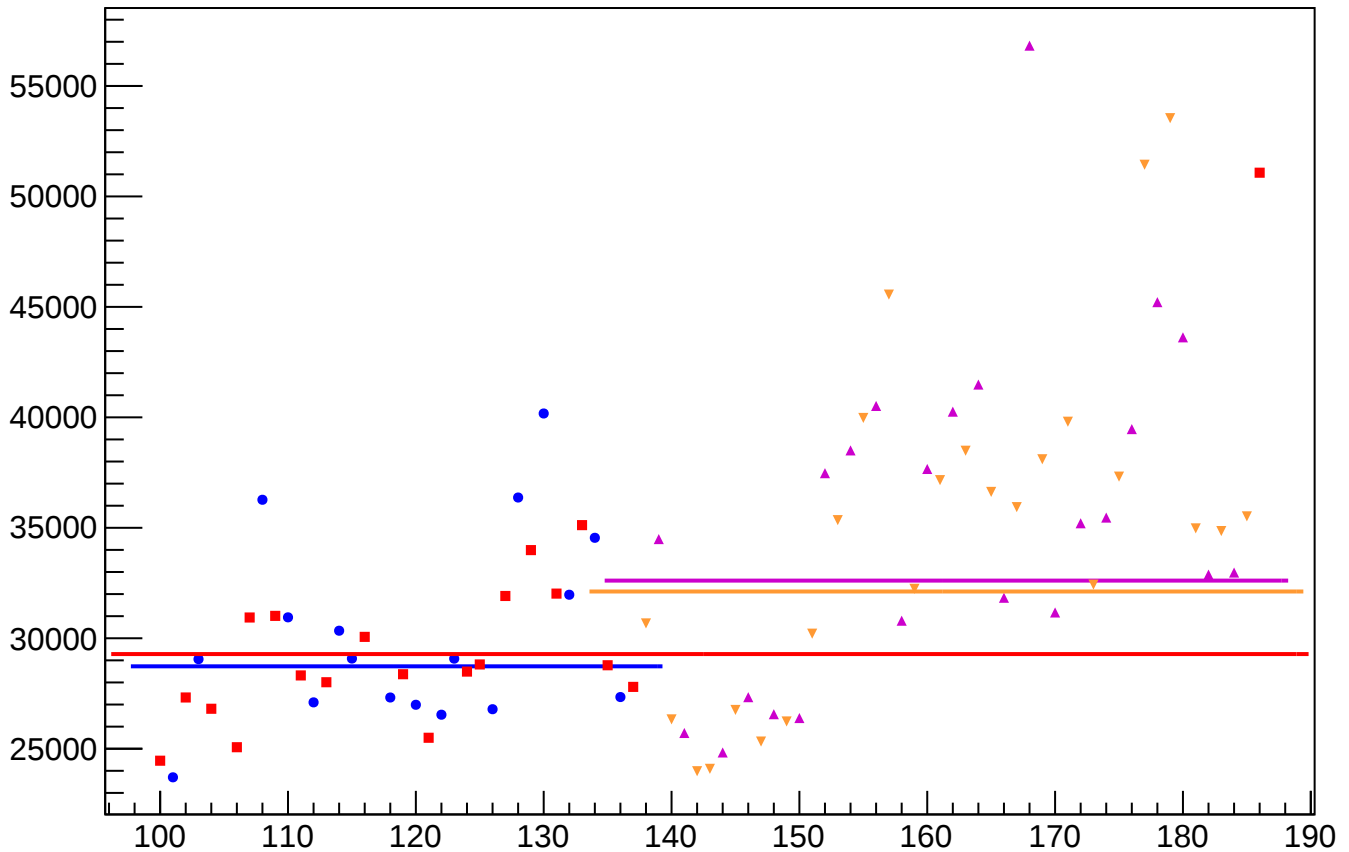
Left In: -0.565 ± 8.015 χ^2/NDF : 14.3/22

+ sign -4.305 ± 6.347 χ^2/NDF : 47.5/41

All: -0.600 ± 4.520 χ^2/NDF : 84.1/84

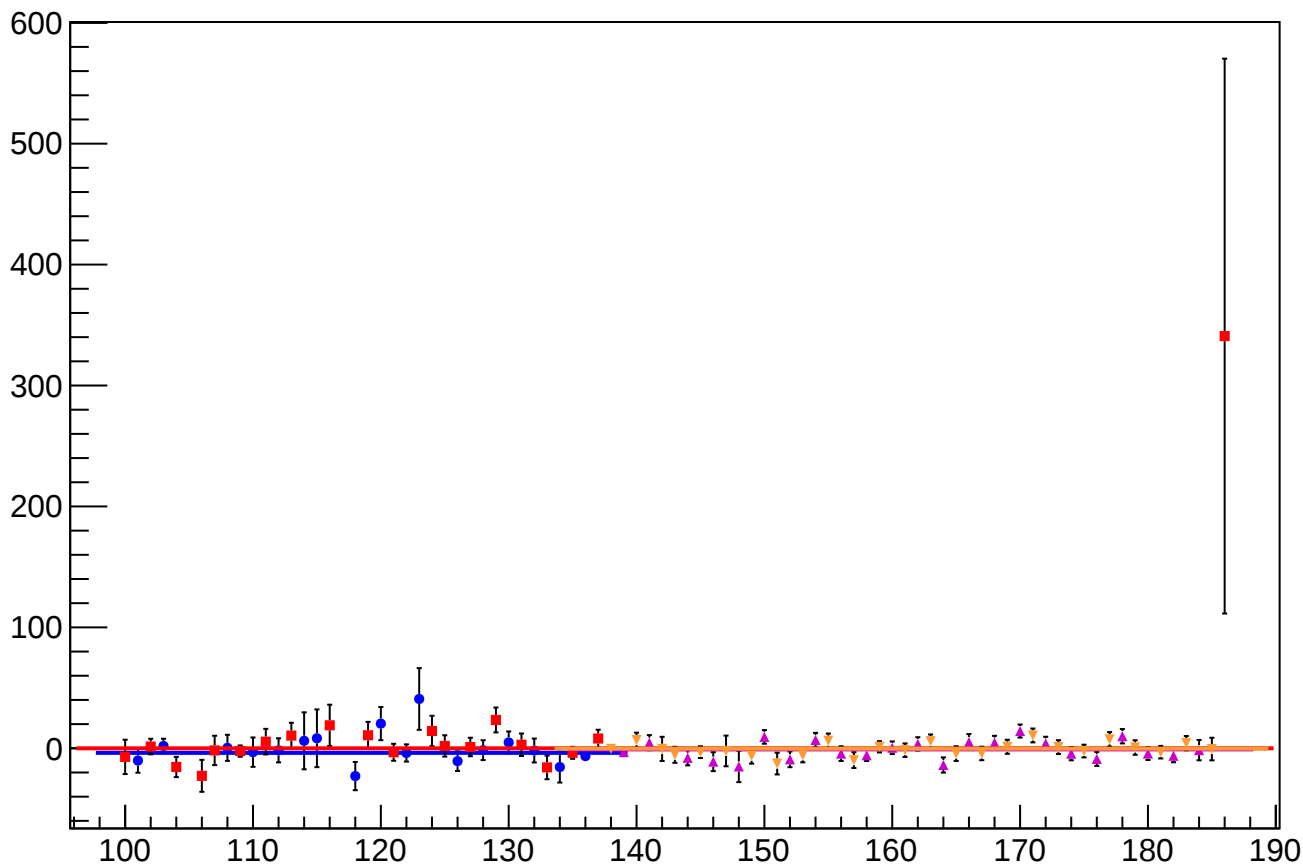
- sign 3.216 ± 6.440 χ^2/NDF : 35.9/42

diff_bpm12X_rms vs Slug



Right In: 28729.913 $\pm$ 7.946	χ^2 /NDF: 254816.0/16	+ sign 31036.674 $\pm$ 4.488	χ^2 /NDF: 1915319.2/41
Left Out: 32117.184 $\pm$ 5.438	χ^2 /NDF: 1536740.0/24	All: 31231.374 $\pm$ 3.196	χ^2 /NDF: 3693417.9/8
Right Out: 29284.863 $\pm$ 7.650	χ^2 /NDF: 253807.5/19	- sign 31431.847 $\pm$ 4.554	χ^2 /NDF: 1774278.3/42
Left In: 32610.108 $\pm$ 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: -0.255 ± 1.173 χ^2/NDF : 18.0/24

Right Out: -0.019 ± 1.894 χ^2/NDF : 23.9/19

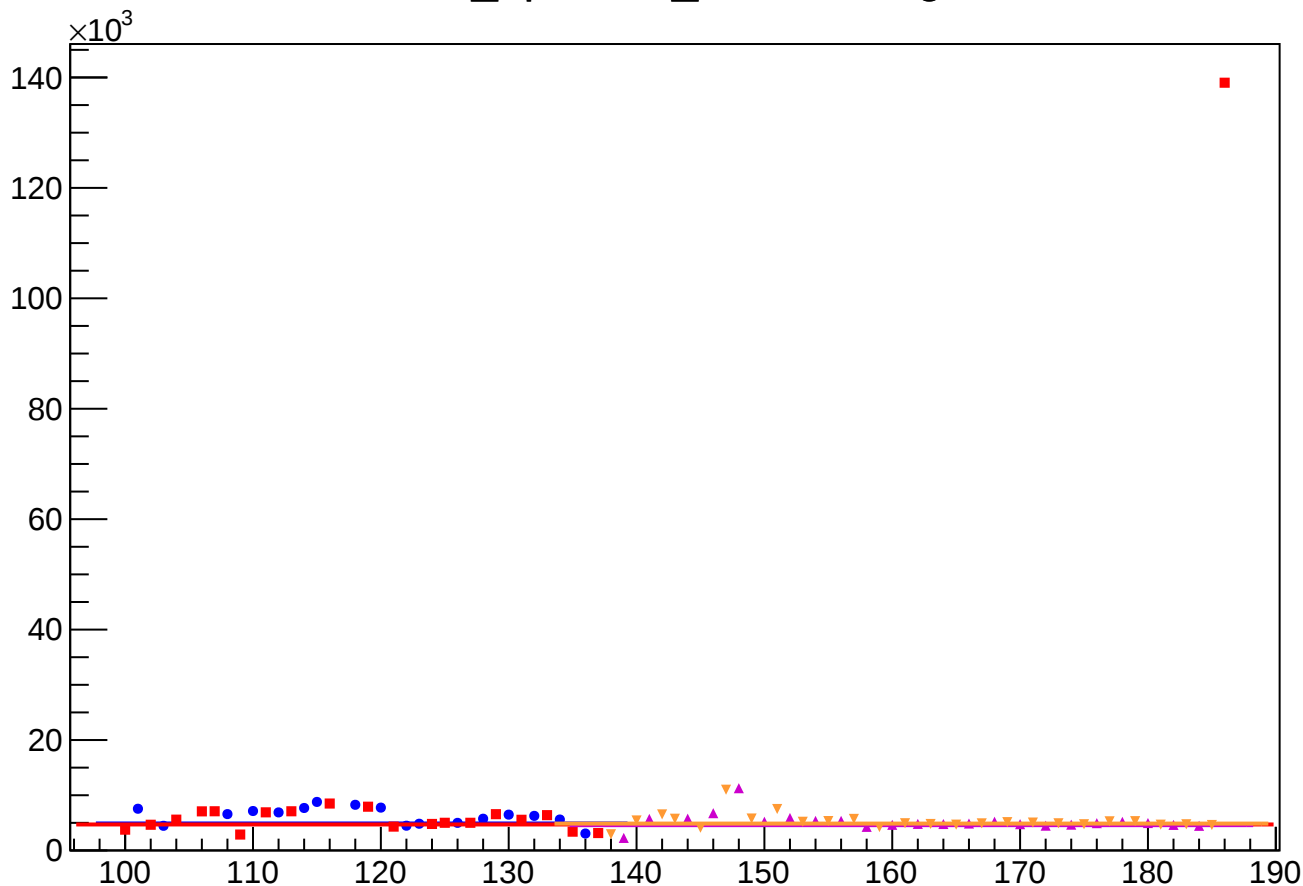
Left In: -0.925 ± 1.154 χ^2/NDF : 36.1/22

+ sign -1.149 ± 1.013 χ^2/NDF : 34.3/41

All: -0.908 ± 0.706 χ^2/NDF : 94.6/84

- sign -0.680 ± 0.985 χ^2/NDF : 60.2/42

diff_bpm12Y_rms vs Slug



Right In: 4887.759 ± 1.421 $\chi^2/\text{NDF}: 1408633.3/16$

Left Out: 4866.528 ± 0.829 $\chi^2/\text{NDF}: 1511486.2/24$

Right Out: 4707.532 ± 1.339 $\chi^2/\text{NDF}: 2001998.7/19$

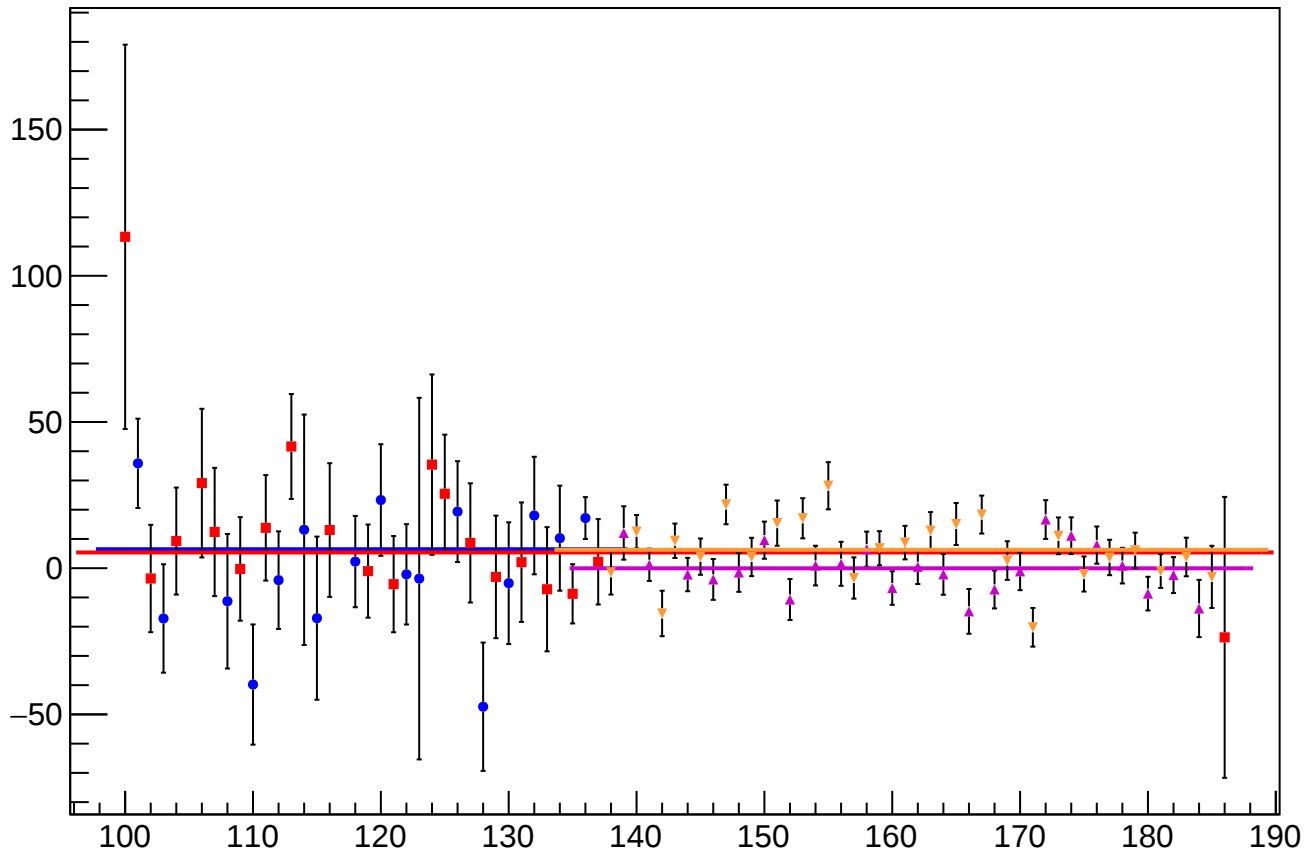
Left In: 4582.193 ± 0.816 $\chi^2/\text{NDF}: 2478681.0/22$

+ sign 4871.921 ± 0.716 $\chi^2/\text{NDF}: 2920286.0/41$

All: 4740.468 ± 0.499 $\chi^2/\text{NDF}: 7472888.5/84$

- sign 4616.114 ± 0.697 $\chi^2/\text{NDF}: 4487068.0/42$

diff_bpm16X_mean vs Slug



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

Left Out: 6.302 ± 1.313 χ^2/NDF : 56.7/24

Right Out: 5.376 ± 4.211 χ^2/NDF : 13.9/19

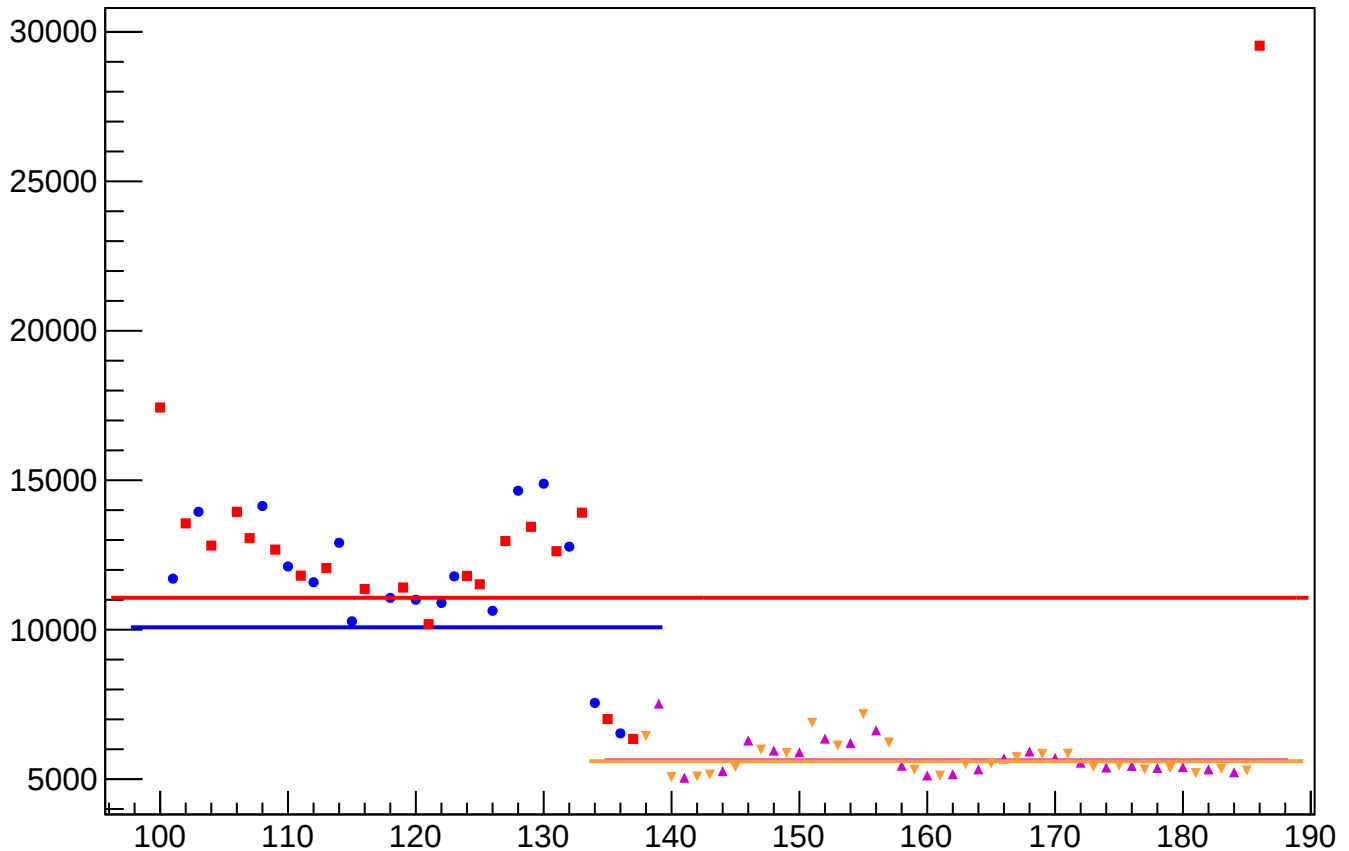
Left In: -0.044 ± 1.358 χ^2/NDF : 30.0/22

+ sign 6.319 ± 1.249 χ^2/NDF : 79.4/41

All: 3.491 ± 0.898 χ^2/NDF : 135.5/84

- sign 0.466 ± 1.292 χ^2/NDF : 45.4/42

diff_bpm16X_rms vs Slug



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

Left Out: 5598.786 $\pm$ 0.928 χ^2 /NDF:283253.4/24

+ sign 6020.525 $\pm$ 0.883 χ^2 /NDF: 3476630.7/41

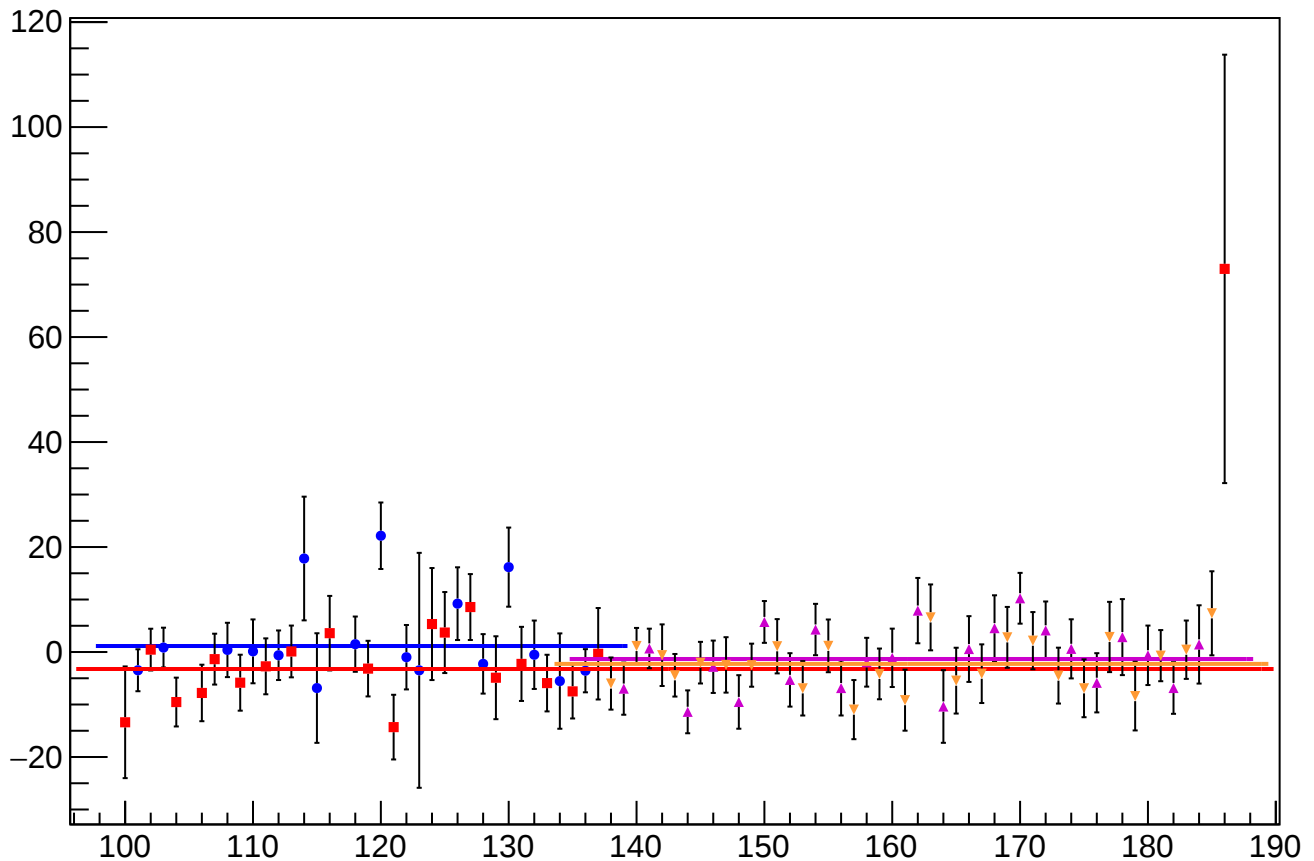
Right Out: 11067.999 $\pm$ 2.977 χ^2 /NDF: 1067733.4/19

All: 6077.169 $\pm$ 0.635 χ^2 /NDF: 7852470.4/84

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

- sign 6137.776 $\pm$ 0.914 χ^2 /NDF: 4367328.5/42

diff_bpm16Y_mean vs Slug



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

Left Out: -2.262 ± 1.030 χ^2/NDF : 15.5/24

Right Out: -3.234 ± 1.335 χ^2/NDF : 18.9/19

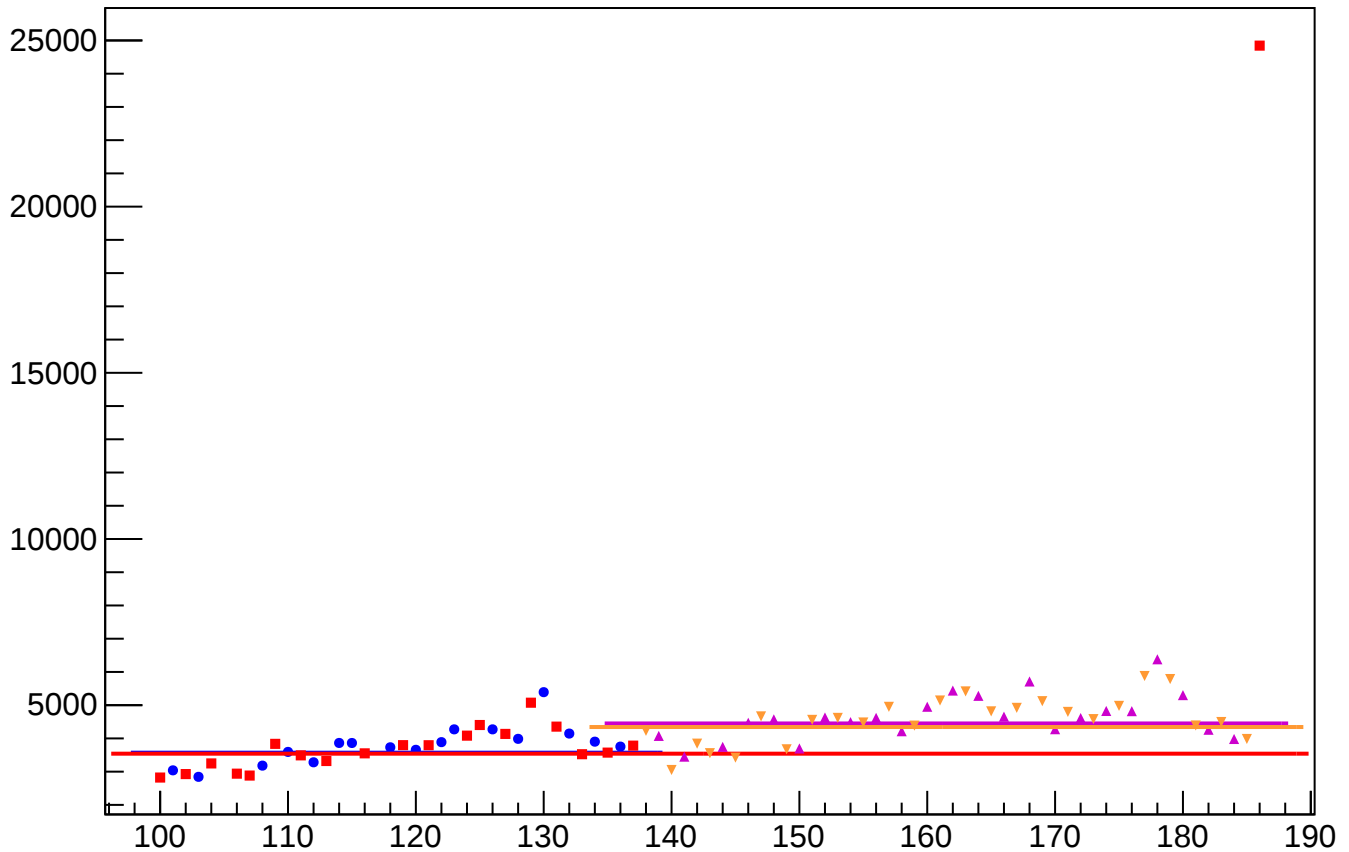
Left In: -1.328 ± 1.082 χ^2/NDF : 30.6/22

+ sign -1.063 ± 0.829 χ^2/NDF : 42.2/41

All: -1.567 ± 0.590 χ^2/NDF : 93.8/84

- sign -2.084 ± 0.840 χ^2/NDF : 50.8/42

diff_bpm16Y_rms vs Slug



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

Left Out: 4342.635 $\pm$ 0.728 χ^2 /NDF: 993035.5/24

Right Out: 3540.761 $\pm$ 0.944 χ^2 /NDF: 841814.8/19

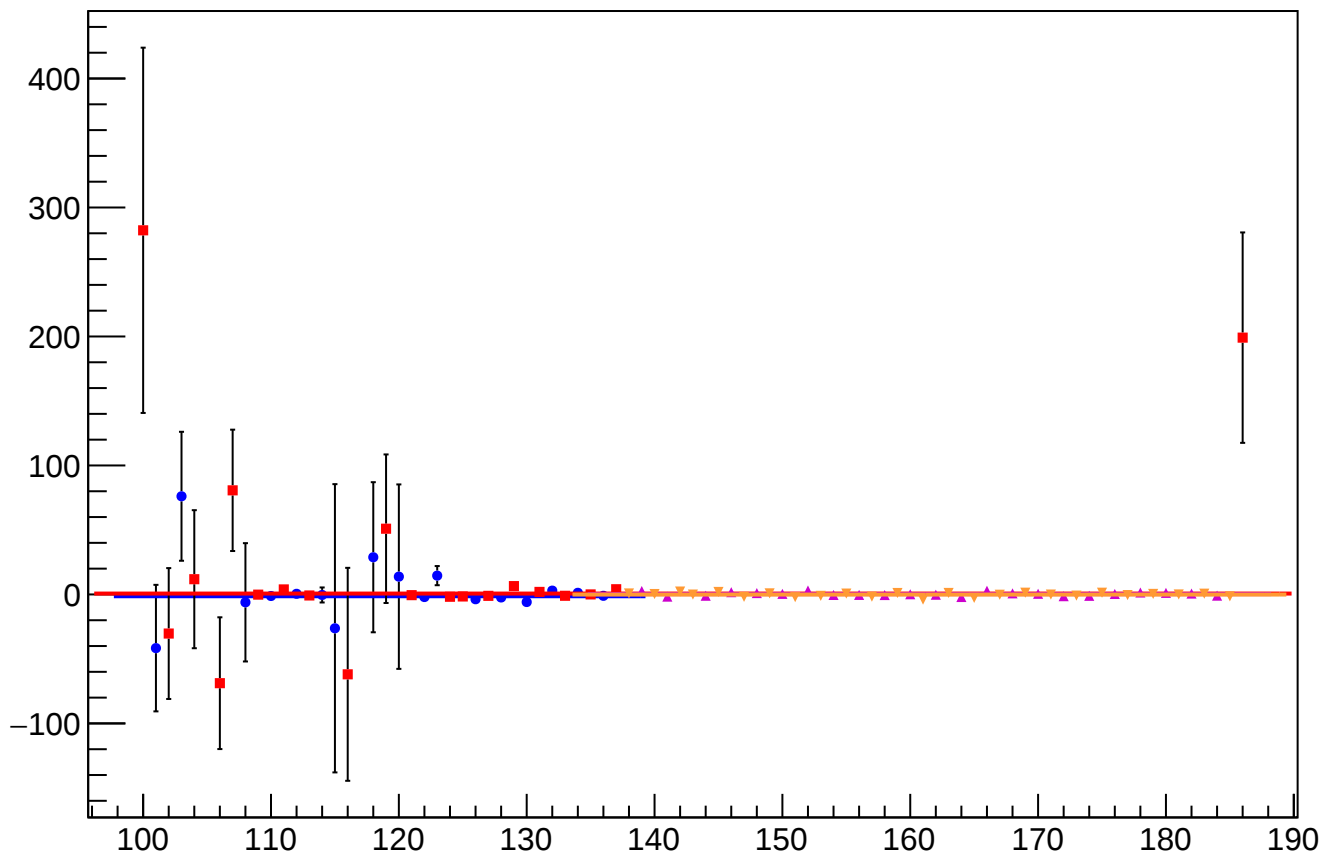
Left In: 4450.007 $\pm$ 0.765 χ^2 /NDF: 693229.8/22

+ sign 4070.858 $\pm$ 0.586 χ^2 /NDF: 1698908.9/41

All: 4079.994 $\pm$ 0.417 χ^2 /NDF: 3794603.7/84

- sign 4089.378 $\pm$ 0.594 χ^2 /NDF: 2095202.7/42

diff_bpm1p02bX_mean vs Slug



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

Left Out: -0.092 ± 0.249 χ^2/NDF : 34.4/24

Right Out: 0.679 ± 0.713 χ^2/NDF : 27.4/19

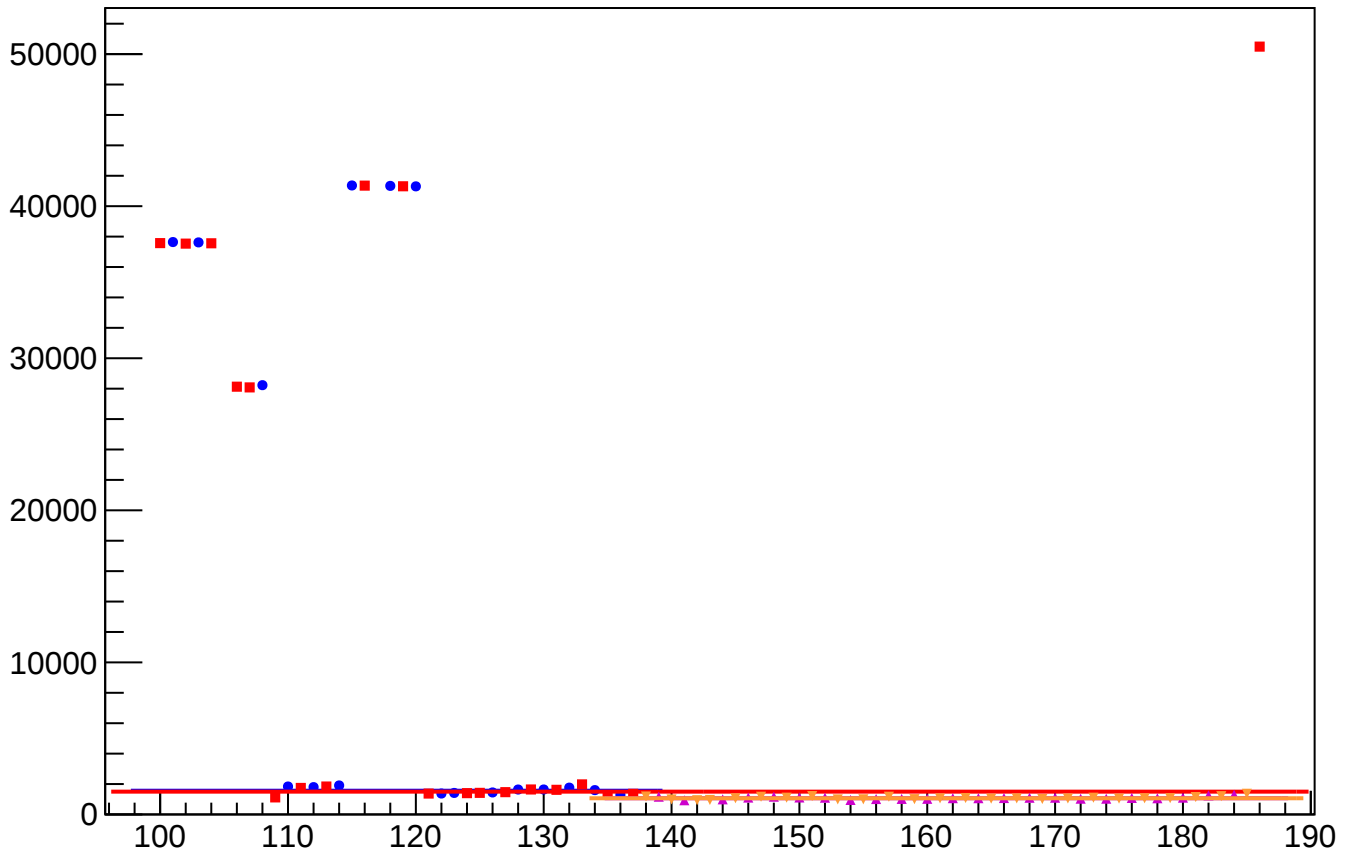
Left In: 0.259 ± 0.257 χ^2/NDF : 27.2/22

+ sign -0.222 ± 0.236 χ^2/NDF : 53.9/41

All: 0.037 ± 0.169 χ^2/NDF : 111.2/84

- sign 0.307 ± 0.242 χ^2/NDF : 54.9/42

diff_bpm1p02bX_rms vs Slug



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

Left Out: 1064.701 $\pm$ 0.176 χ^2 /NDF: 186511.5/24

Right Out: 1500.090 $\pm$ 0.504 χ^2 /NDF: 5615018.0/19

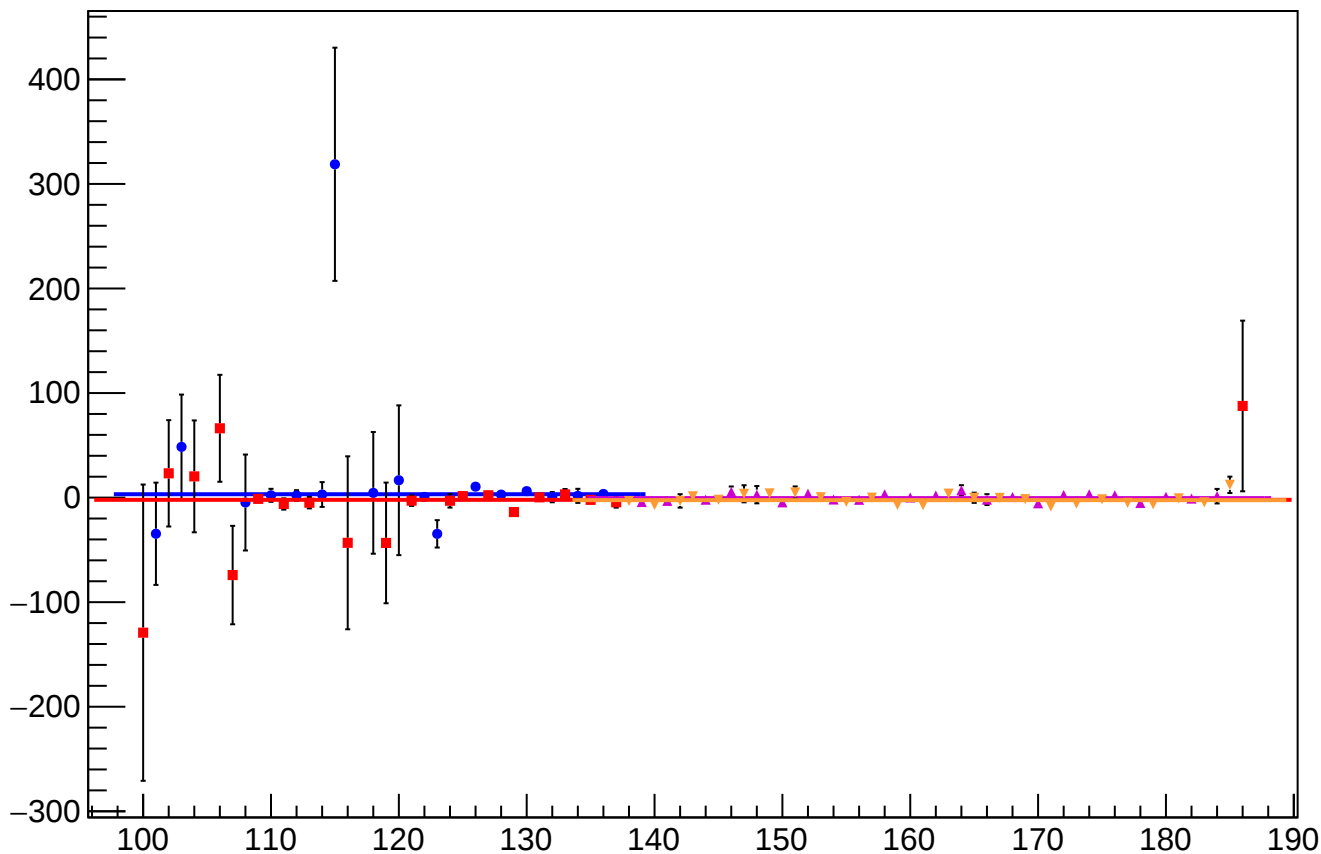
Left In: 1066.255 $\pm$ 0.182 χ^2 /NDF: 164232.1/22

+ sign 1113.871 $\pm$ 0.167 χ^2 /NDF: 5725882.8/41

All: 1114.972 $\pm$ 0.120 χ^2 /NDF: 12160520.0/8

- sign 1116.124 $\pm$ 0.171 χ^2 /NDF: 6434548.4/42

diff_bpm1p02bY_mean vs Slug



Right In: 3.232 ± 1.328 χ^2/NDF : 22.2/16

Left Out: -2.422 ± 0.811 χ^2/NDF : 21.2/24

Right Out: -2.118 ± 1.239 χ^2/NDF : 17.7/19

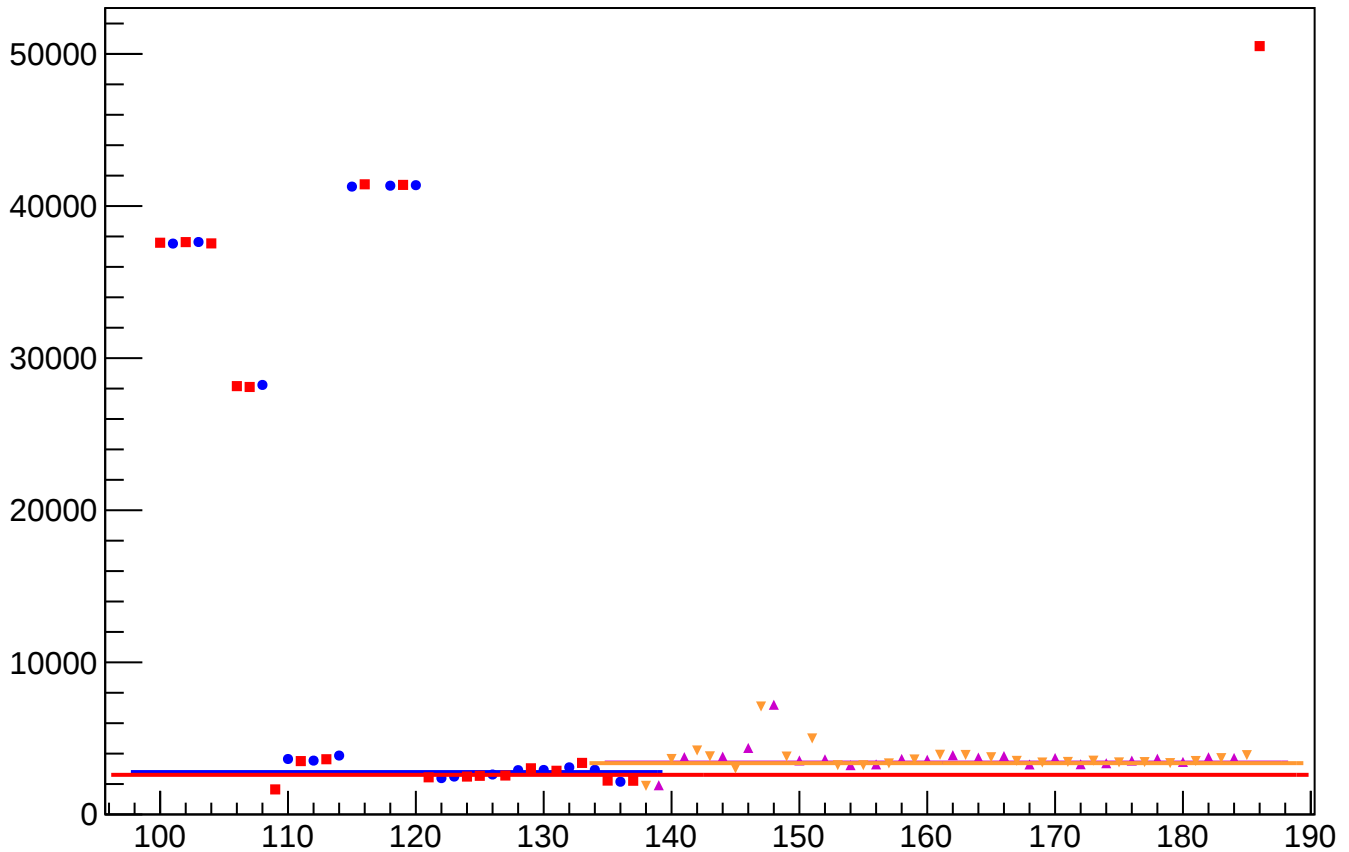
Left In: -0.468 ± 0.843 χ^2/NDF : 15.5/22

+ sign -0.887 ± 0.692 χ^2/NDF : 56.7/41

All: -0.938 ± 0.491 χ^2/NDF : 91.1/84

- sign -0.990 ± 0.697 χ^2/NDF : 34.4/42

diff_bpm1p02bY_rms vs Slug



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

Left Out: 3372.958 $\pm$ 0.573 χ^2 /NDF: 1656864.7/24

Right Out: 2604.892 $\pm$ 0.876 χ^2 /NDF: 5537918.7/19

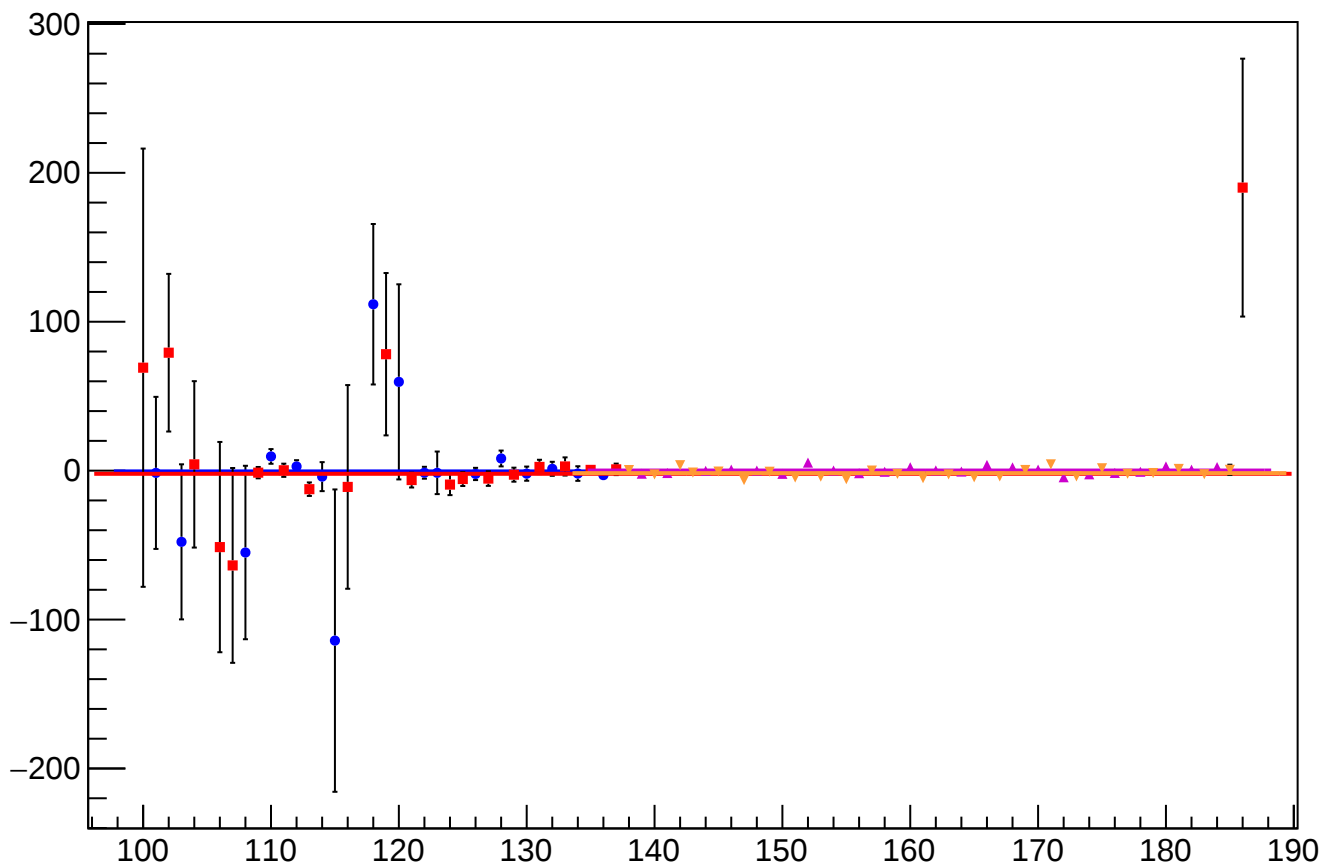
Left In: 3411.924 $\pm$ 0.596 χ^2 /NDF: 1434523.7/22

+ sign 3213.639 $\pm$ 0.489 χ^2 /NDF: 6518170.6/41

All: 3185.349 $\pm$ 0.347 χ^2 /NDF: 14077364.7/8

- sign 3156.641 $\pm$ 0.493 χ^2 /NDF: 7552456.0/42

diff_bpm1p03aX_mean vs Slug



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

Left Out: -1.672 ± 0.388 χ^2/NDF : 45.7/24

Right Out: -2.112 ± 1.250 χ^2/NDF : 22.5/19

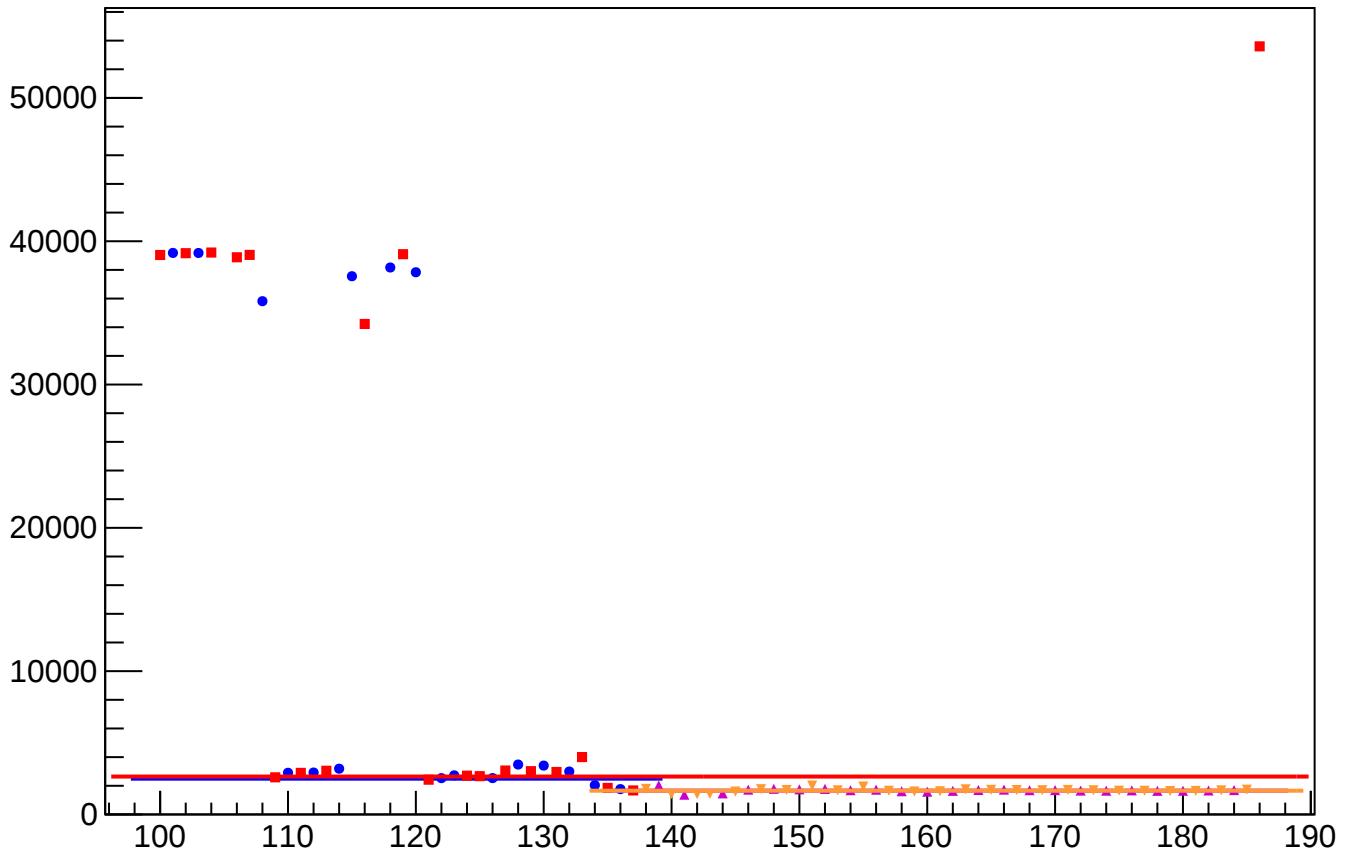
Left In: 0.072 ± 0.401 χ^2/NDF : 28.2/22

+ sign -1.566 ± 0.370 χ^2/NDF : 64.4/41

All: -0.872 ± 0.266 χ^2/NDF : 125.2/84

- sign -0.132 ± 0.382 χ^2/NDF : 53.5/42

diff_bpm1p03aX_rms vs Slug



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

Left Out: 1657.770+/-0.274 χ^2/NDF : 223465.3/24

Right Out: 2645.220+/-0.884 χ^2/NDF : 5554445.6/19

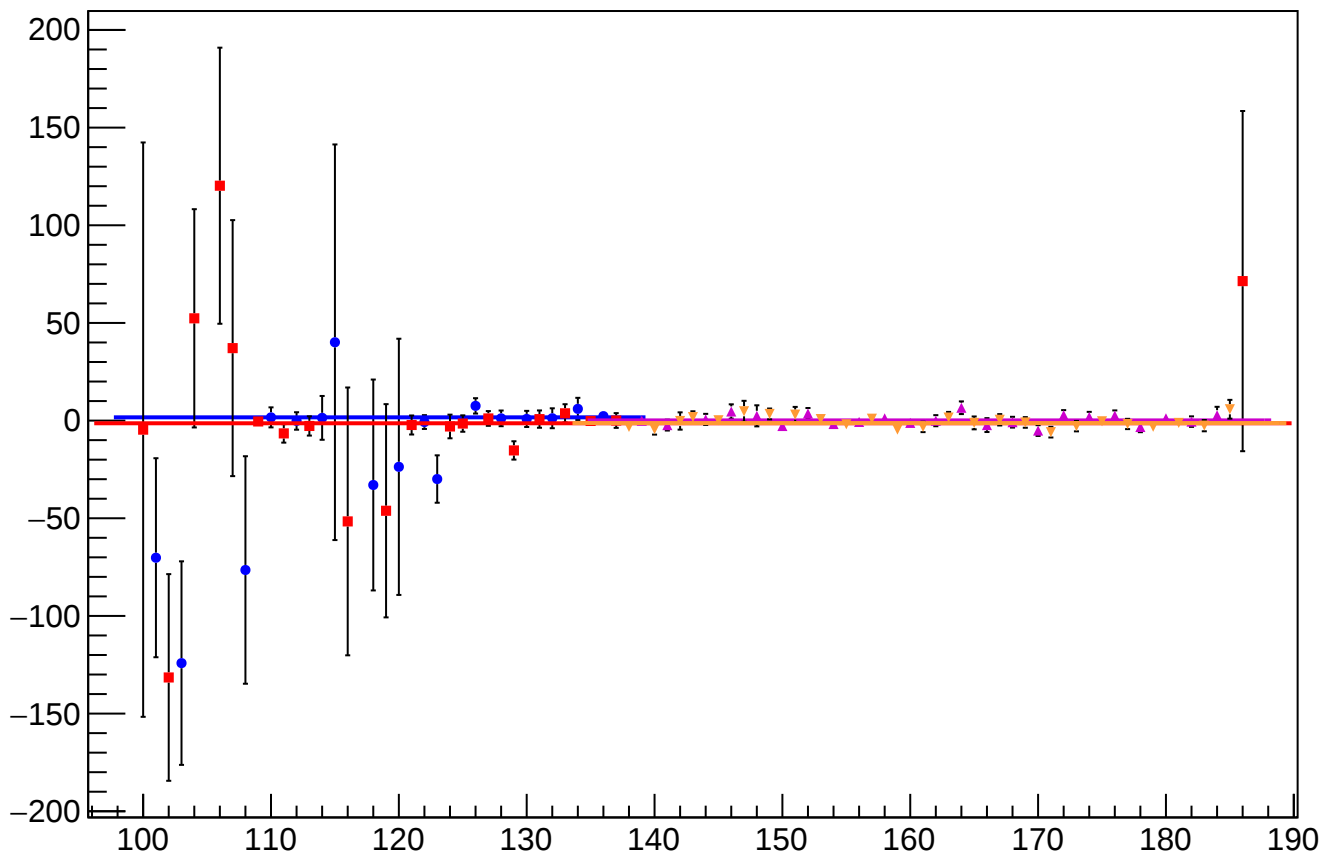
Left In: 1663.620+/-0.284 χ^2/NDF : 178858.2/22

+ sign 1734.655+/-0.262 χ^2/NDF : 5968001.9/41

All: 1744.623+/-0.188 χ^2/NDF : 12822724.3/8

- sign 1755.250+/-0.270 χ^2/NDF : 6851720.9/42

diff_bpm1p03aY_mean vs Slug



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

Left Out: -1.251 ± 0.535 χ^2/NDF : 21.7/24

Right Out: -1.369 ± 1.065 χ^2/NDF : 24.8/19

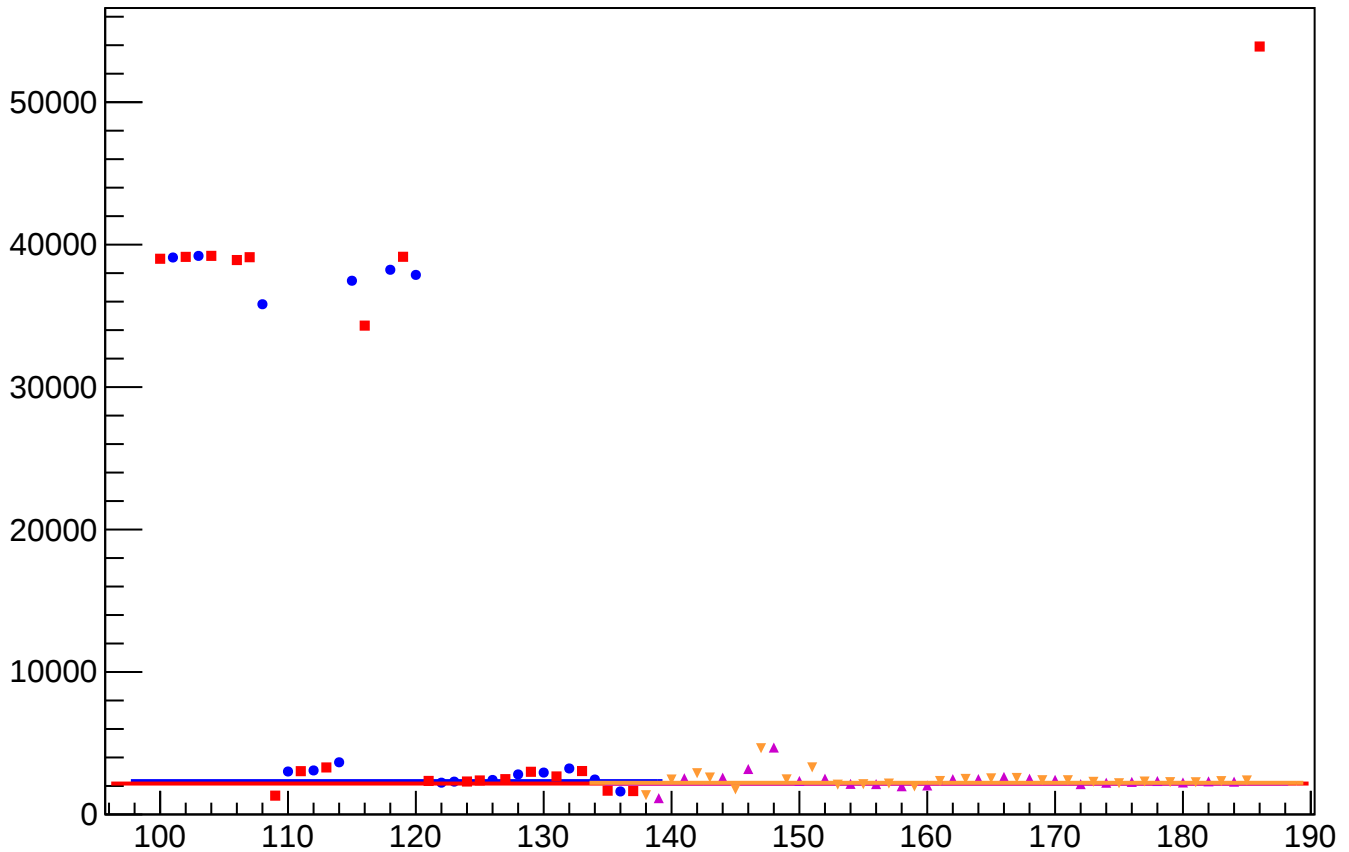
Left In: 0.098 ± 0.541 χ^2/NDF : 19.3/22

+ sign -0.728 ± 0.485 χ^2/NDF : 47.8/41

All: -0.464 ± 0.342 χ^2/NDF : 94.0/84

- sign -0.203 ± 0.483 χ^2/NDF : 45.6/42

diff_bpm1p03aY_rms vs Slug



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

Left Out: 2222.081+/-0.378 χ^2/NDF : 1422440.9/24

Right Out: 2168.955+/-0.753 χ^2/NDF : 6007828.0/19

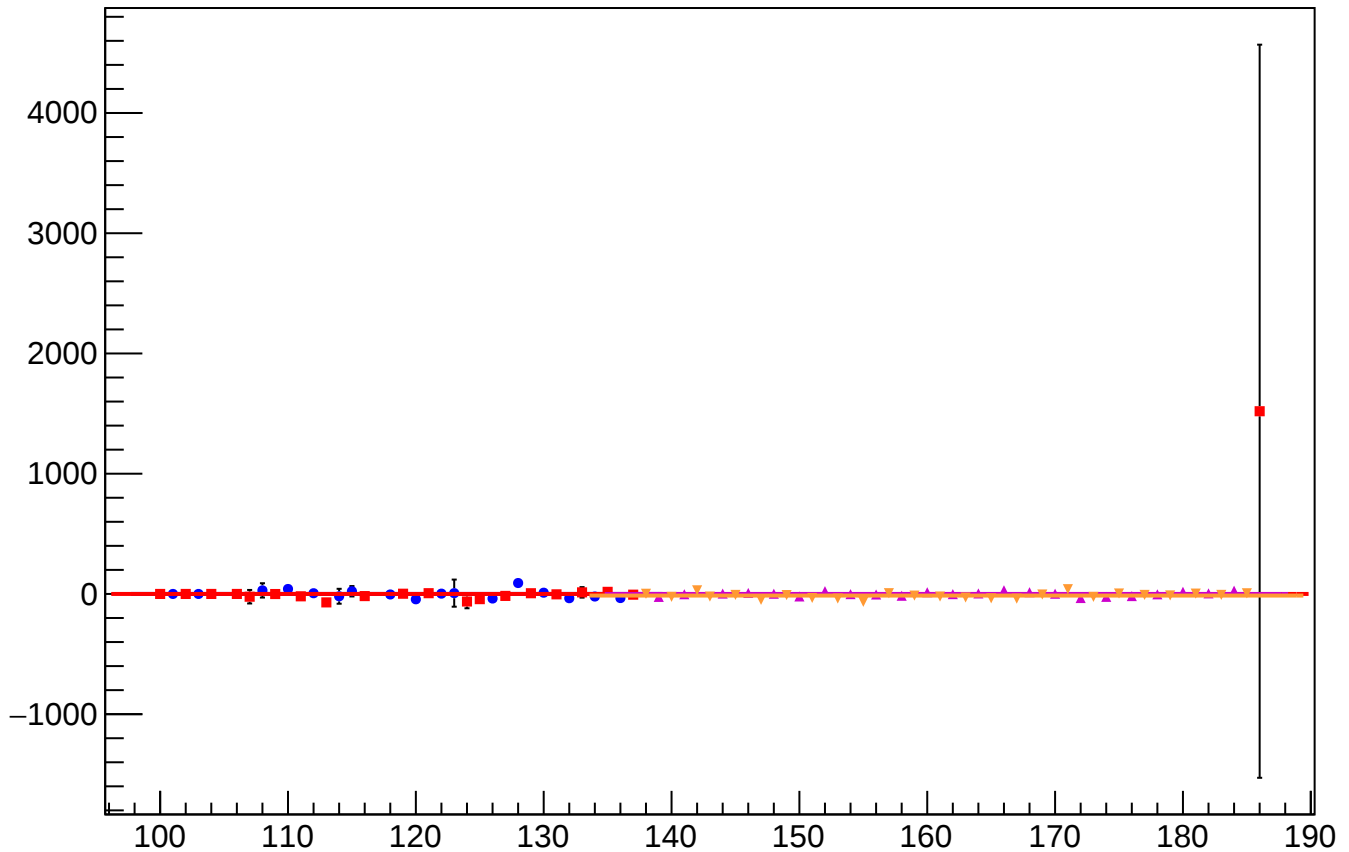
Left In: 2169.443+/-0.383 χ^2/NDF : 1974869.8/22

+ sign 2243.396+/-0.343 χ^2/NDF : 6446665.9/41

All: 2206.193+/-0.242 χ^2/NDF : 14452806.0/8

- sign 2169.343+/-0.341 χ^2/NDF : 7982698.2/42

diff_cav4bX_mean vs Slug



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

Left Out: -13.484 ± 2.800 χ^2/NDF : 58.7/24

Right Out: 0.003 ± 0.016 χ^2/NDF : 15.8/19

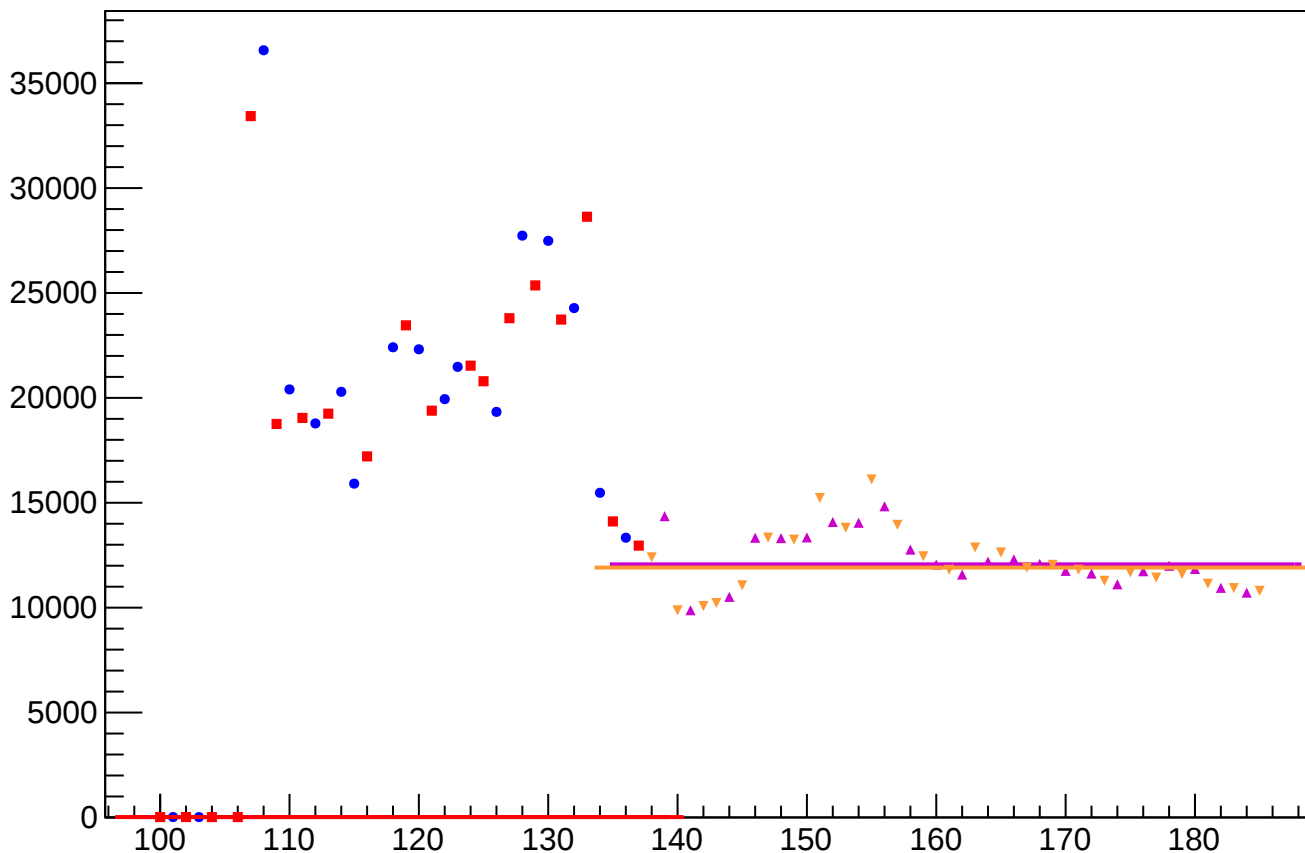
Left In: -0.459 ± 2.917 χ^2/NDF : 29.0/22

+ sign 0.013 ± 0.017 χ^2/NDF : 98.5/41

All: 0.008 ± 0.012 χ^2/NDF : 143.4/84

- sign 0.003 ± 0.016 χ^2/NDF : 44.8/42

diff_cav4bX_rms vs Slug



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

Left Out: 11910.325+/-1.980 χ^2/NDF : 476504.3/24

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

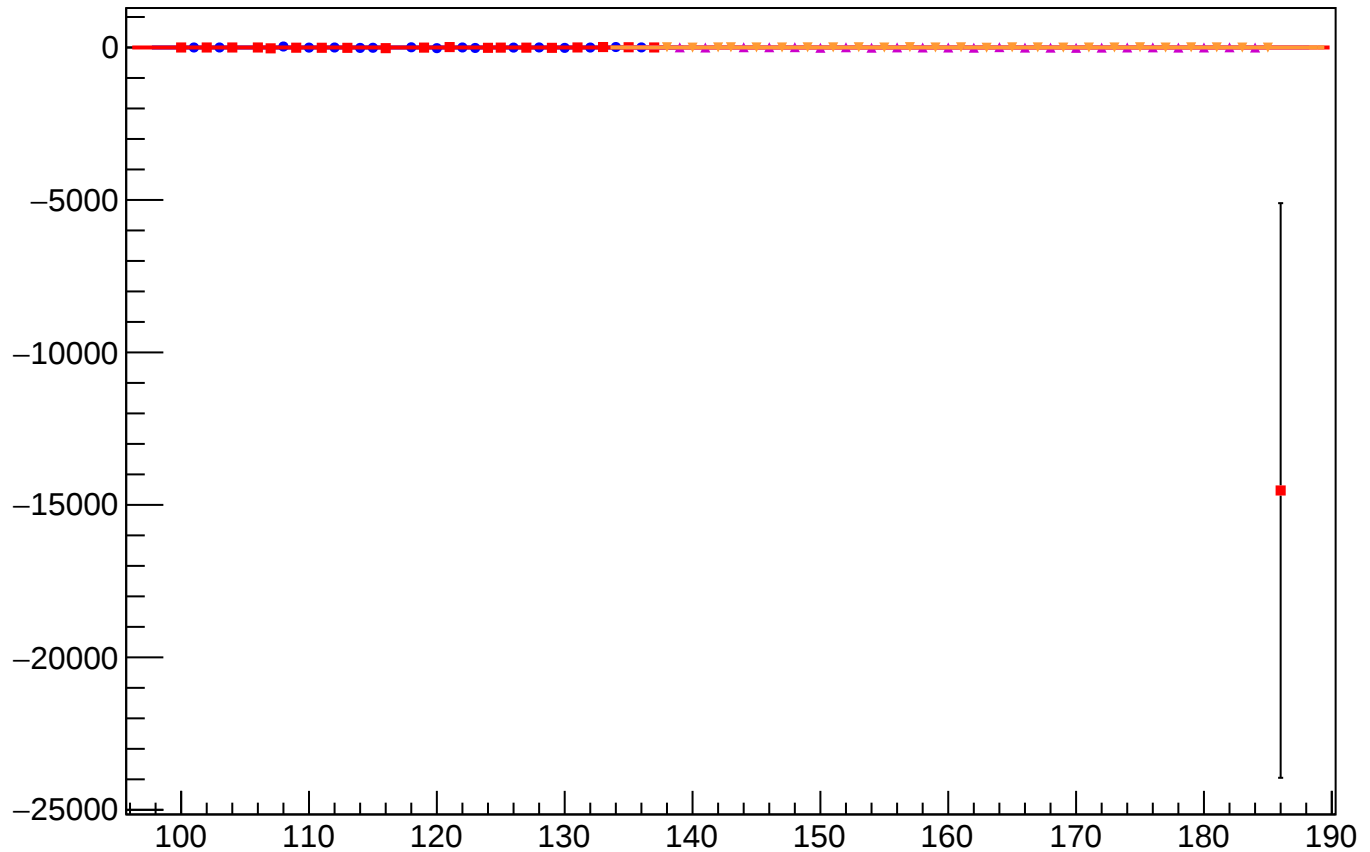
Left In: 12064.761+/-2.062 χ^2/NDF : 368452.5/22

+ sign 19.097+/-0.012 χ^2/NDF : 47481426.9/41

All: 18.871+/-0.008 χ^2/NDF : 93029815.5/83

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

diff_cav4bY_mean vs Slug



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

Left Out: 1.649 $\pm$ 1.022 χ^2 /NDF:18.4/24

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 21.1/19

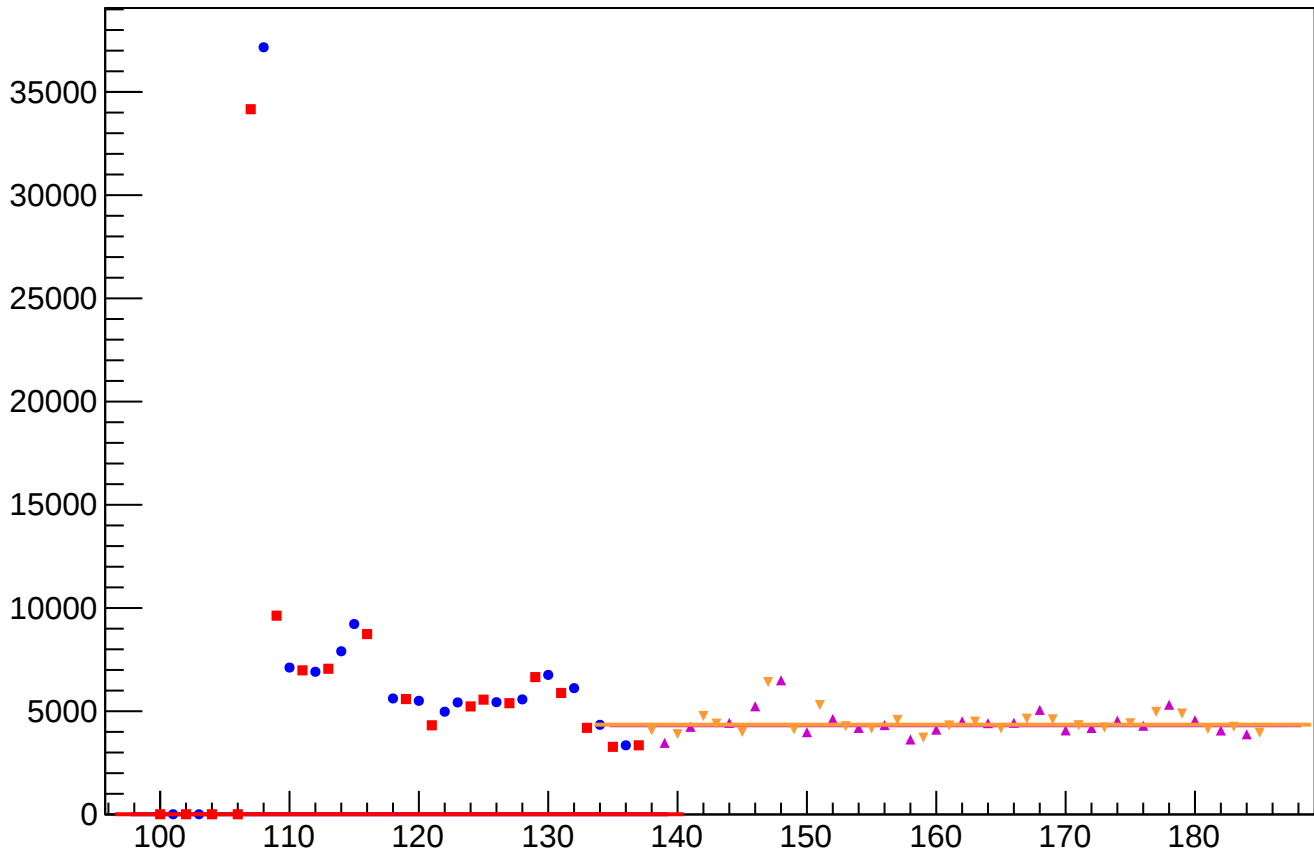
Left In: 0.939 $\pm$ 1.049 χ^2 /NDF:35.6/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 33.8/41

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 92.5/84

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 57.5/42

diff_cav4bY_rms vs Slug



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

Left Out: 4349.005 $\pm$ 0.723 χ^2 /NDF: 383895.7/24

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

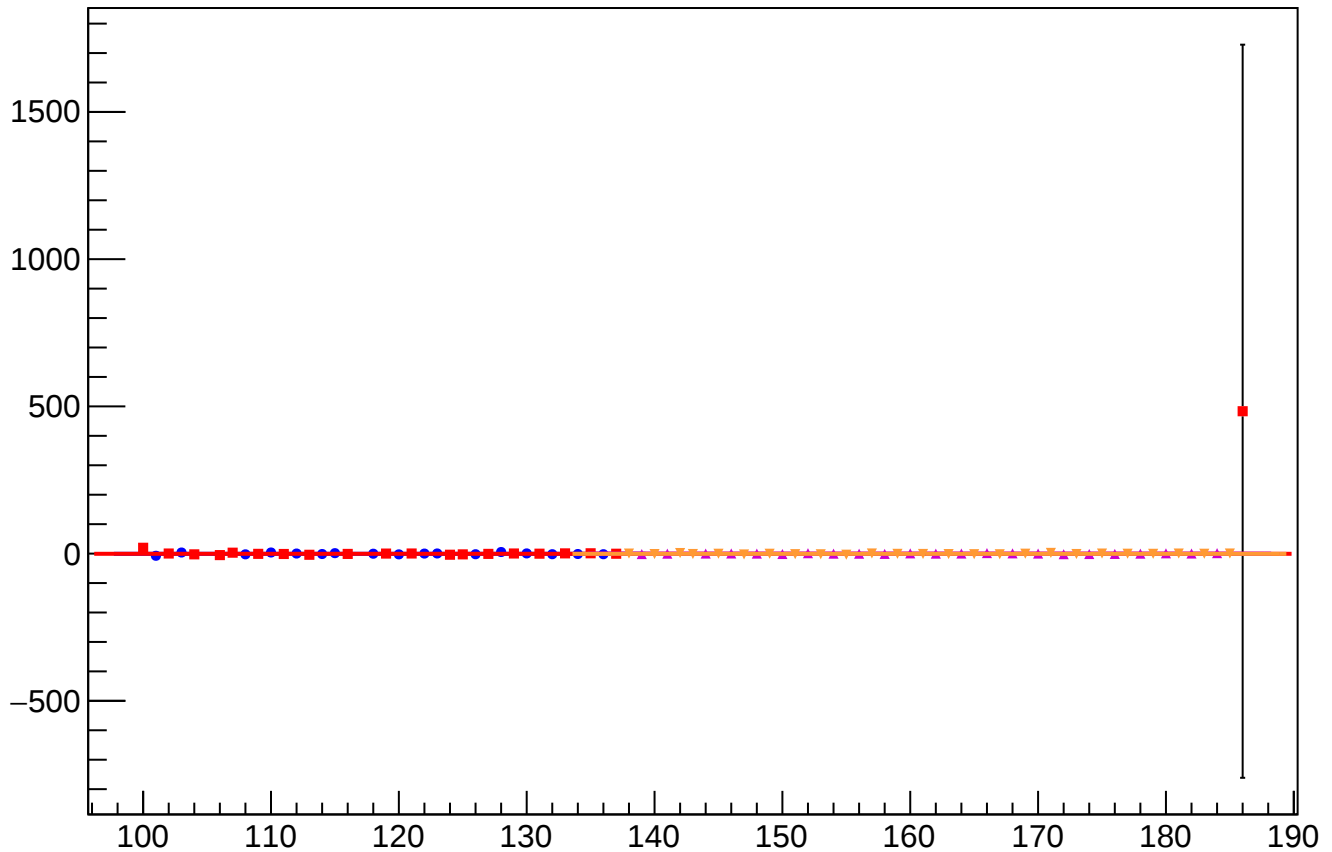
Left In: 4321.572 $\pm$ 0.741 χ^2 /NDF: 514603.2/22

+ sign 10.290 $\pm$ 0.007 χ^2 /NDF: 47494688.2/41

All: 10.214 $\pm$ 0.004 χ^2 /NDF: 92942083.6/83

- 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: -0.775 ± 0.165 χ^2/NDF : 58.5/24

Right Out: -0.638 ± 0.501 χ^2/NDF : 13.2/19

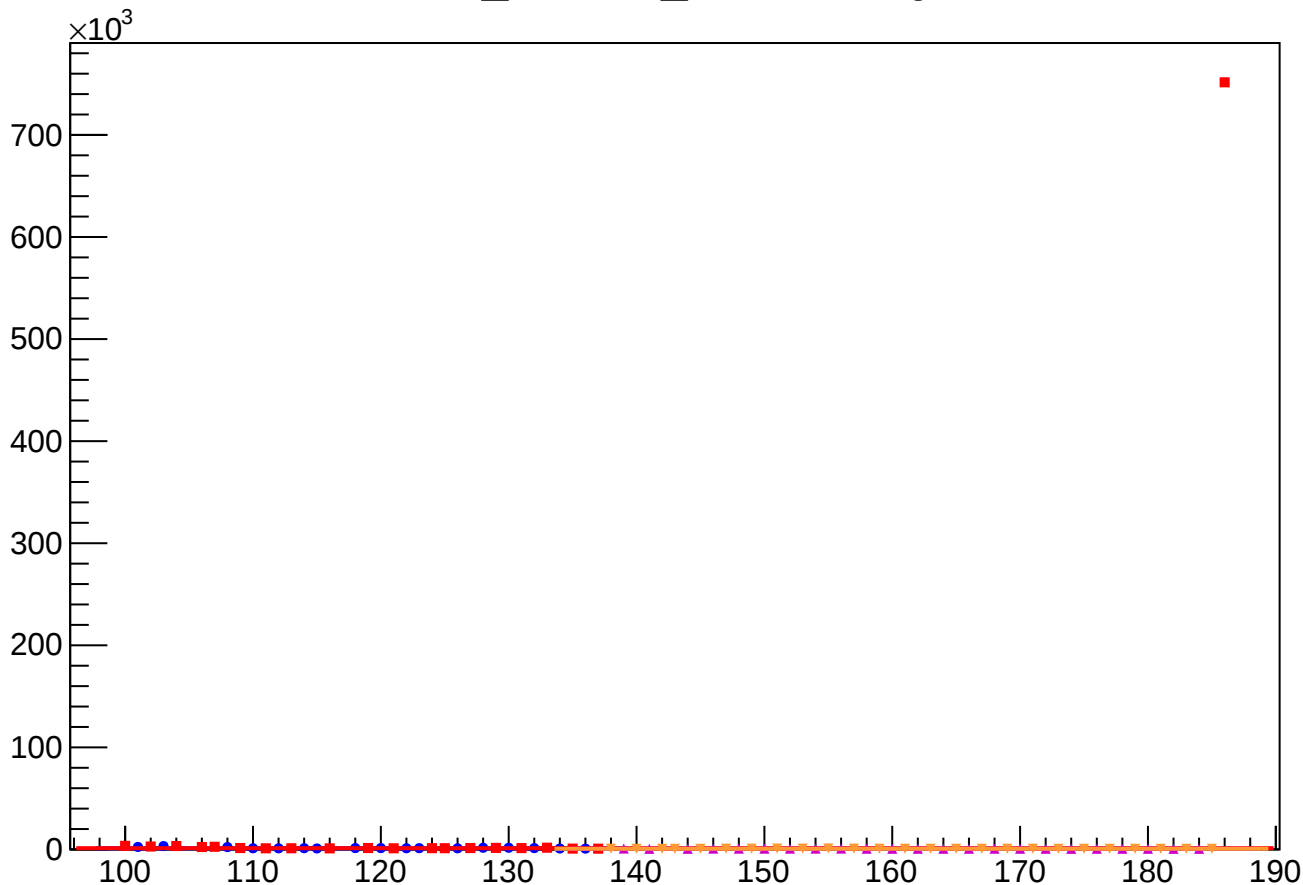
Left In: -0.018 ± 0.171 χ^2/NDF : 29.4/22

+ sign -0.769 ± 0.156 χ^2/NDF : 81.2/41

All: -0.438 ± 0.112 χ^2/NDF : 134.6/84

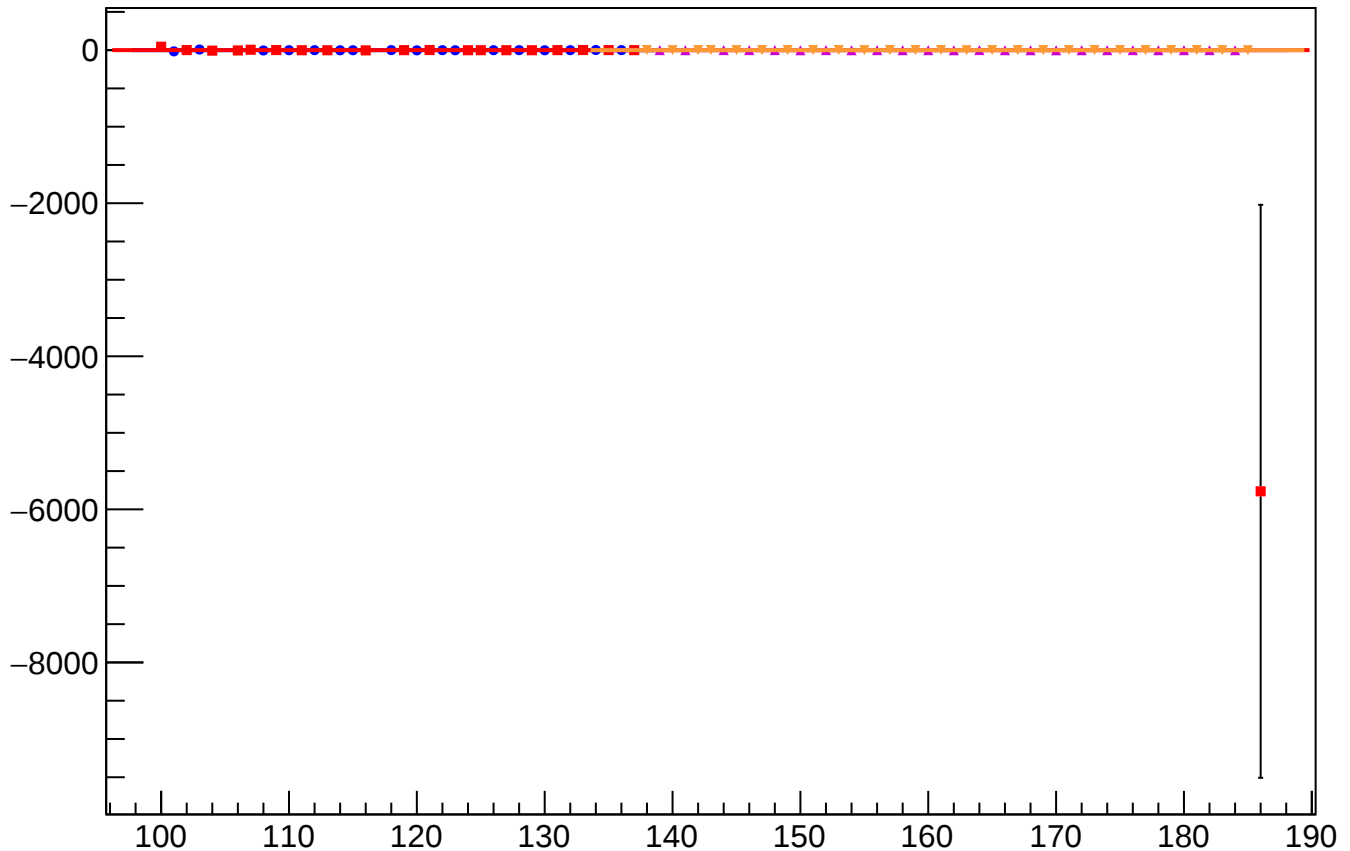
- sign -0.083 ± 0.162 χ^2/NDF : 44.0/42

diff_cav4cX_rms vs Slug



Right In: 1167.121 $\pm$ 0.342 χ^2 /NDF: 1580218.1/16 + sign 749.451 $\pm$ 0.110 χ^2 /NDF: 3641323.1/41
Left Out: 700.984 $\pm$ 0.116 χ^2 /NDF: 392855.4/24 All: 756.071 $\pm$ 0.079 χ^2 /NDF: 8413828.7/84
Right Out: 1248.031 $\pm$ 0.355 χ^2 /NDF: 2346762.6/19 - sign 763.199 $\pm$ 0.114 χ^2 /NDF: 4765006.3/42
Left In: 706.971 $\pm$ 0.121 χ^2 /NDF: 332011.4/22

diff_cav4cY_mean vs Slug



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

Left Out: 0.233 ± 0.123 χ^2/NDF : 18.0/24

Right Out: 0.280 ± 0.264 χ^2/NDF : 22.9/19

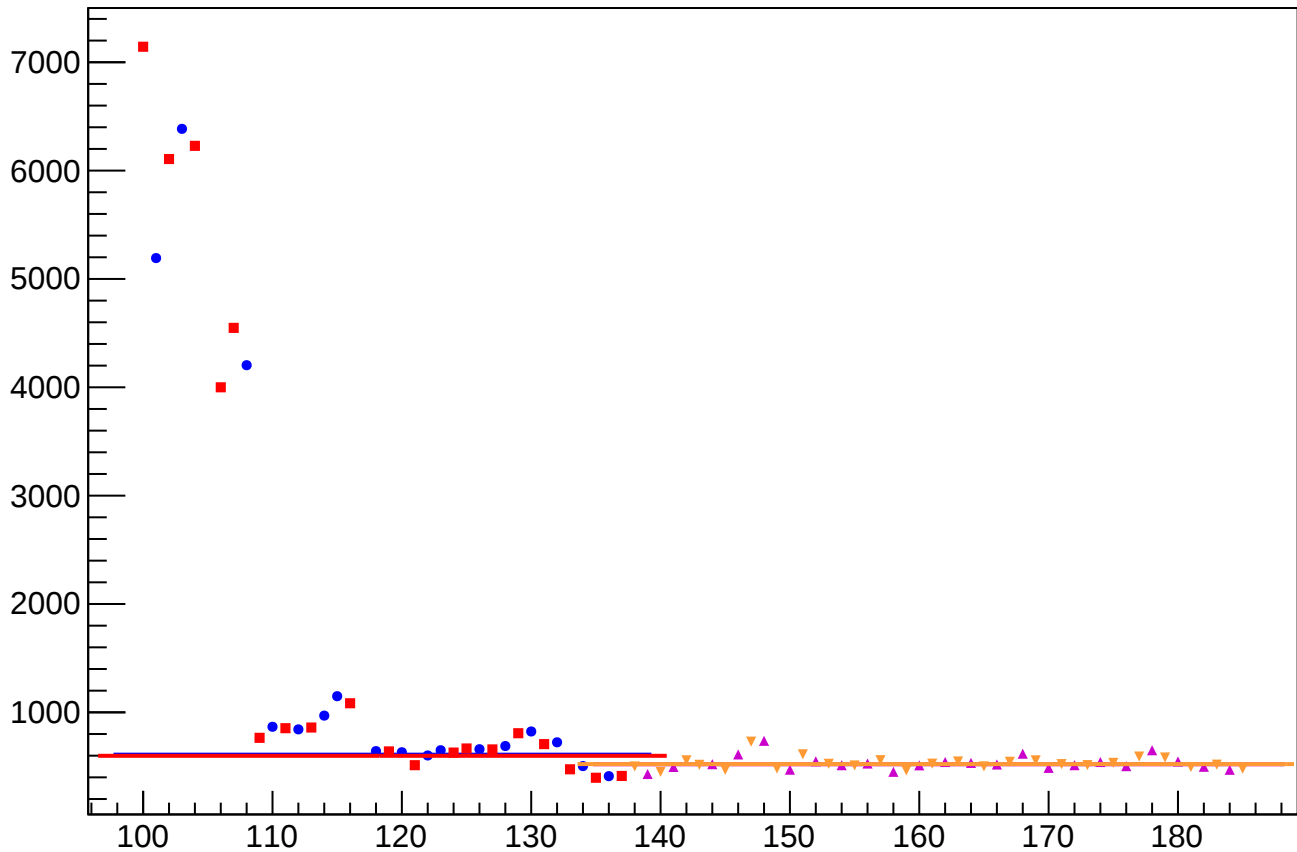
Left In: 0.126 ± 0.126 χ^2/NDF : 35.0/22

+ sign 0.183 ± 0.112 χ^2/NDF : 38.1/41

All: 0.169 ± 0.080 χ^2/NDF : 96.3/84

- sign 0.154 ± 0.114 χ^2/NDF : 58.1/42

diff_cav4cY_rms vs Slug



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

Left Out: 522.220+/-0.087 χ^2/NDF : 330405.3/24

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

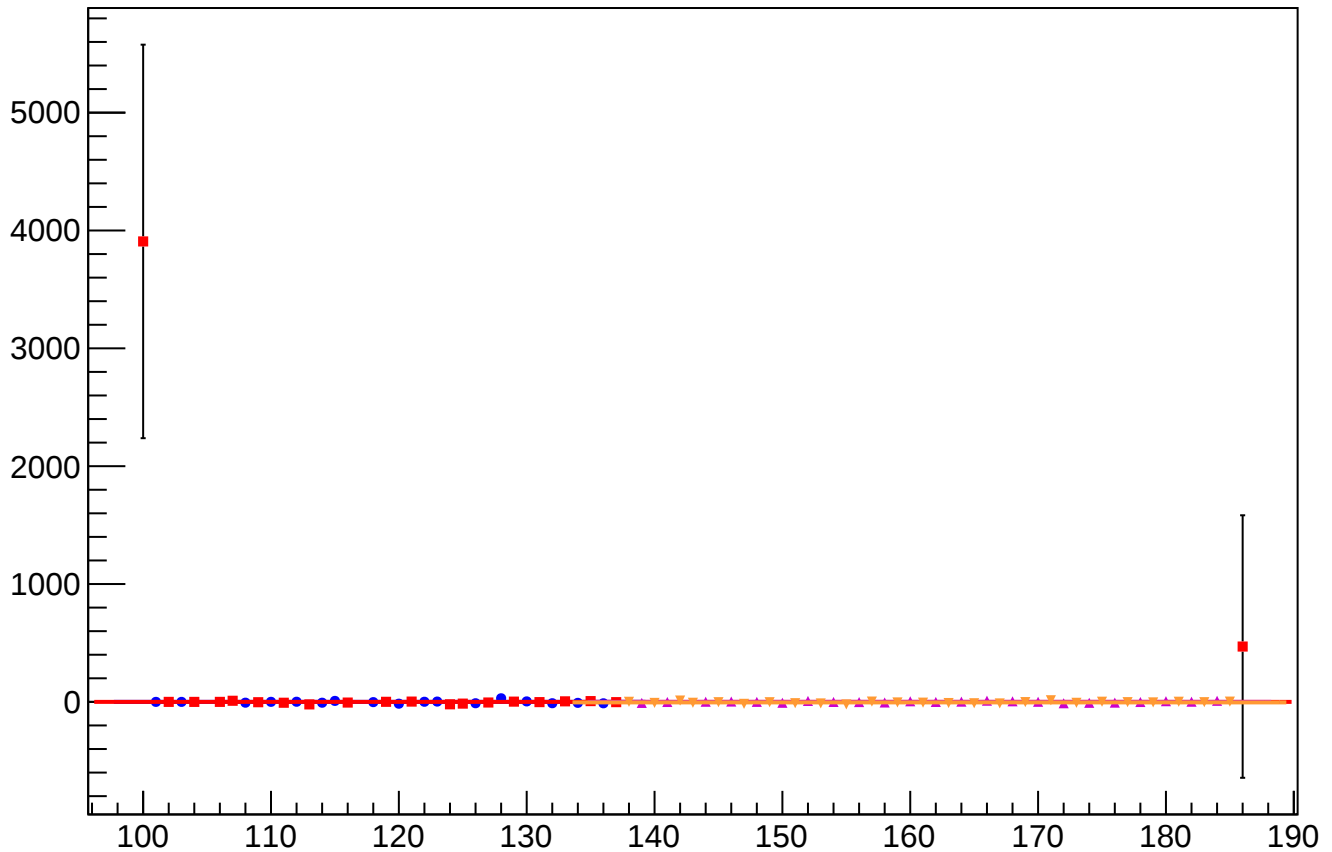
Left In: 520.700+/-0.089 χ^2/NDF : 427720.5/22

+ sign 537.213+/-0.079 χ^2/NDF : 3638602.2/41

All: 536.218+/-0.056 χ^2/NDF : 7761088.1/83

- 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: -4.480 ± 0.957 χ^2/NDF : 58.4/24

Right Out: -0.027 ± 0.020 χ^2/NDF : 17.6/19

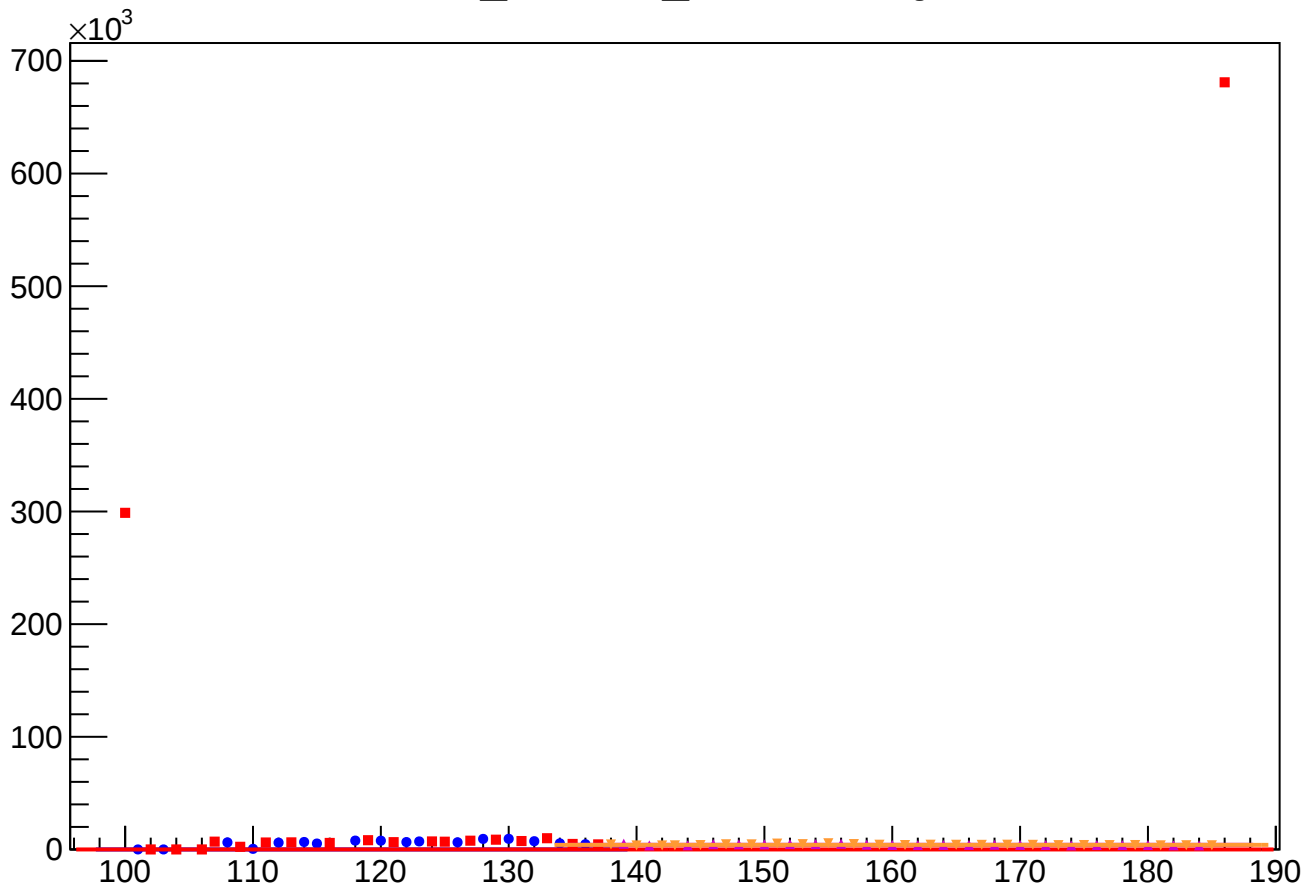
Left In: -0.183 ± 0.994 χ^2/NDF : 29.5/22

+ sign -0.024 ± 0.021 χ^2/NDF : 96.1/41

All: -0.025 ± 0.014 χ^2/NDF : 143.2/84

- sign -0.027 ± 0.020 χ^2/NDF : 47.1/42

diff_cav4dX_rms vs Slug



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

Left Out: 4075.147 ± 0.677 χ^2/NDF : 417511.0/24

Right Out: 17.268 ± 0.014 χ^2/NDF : 11513263.6/19

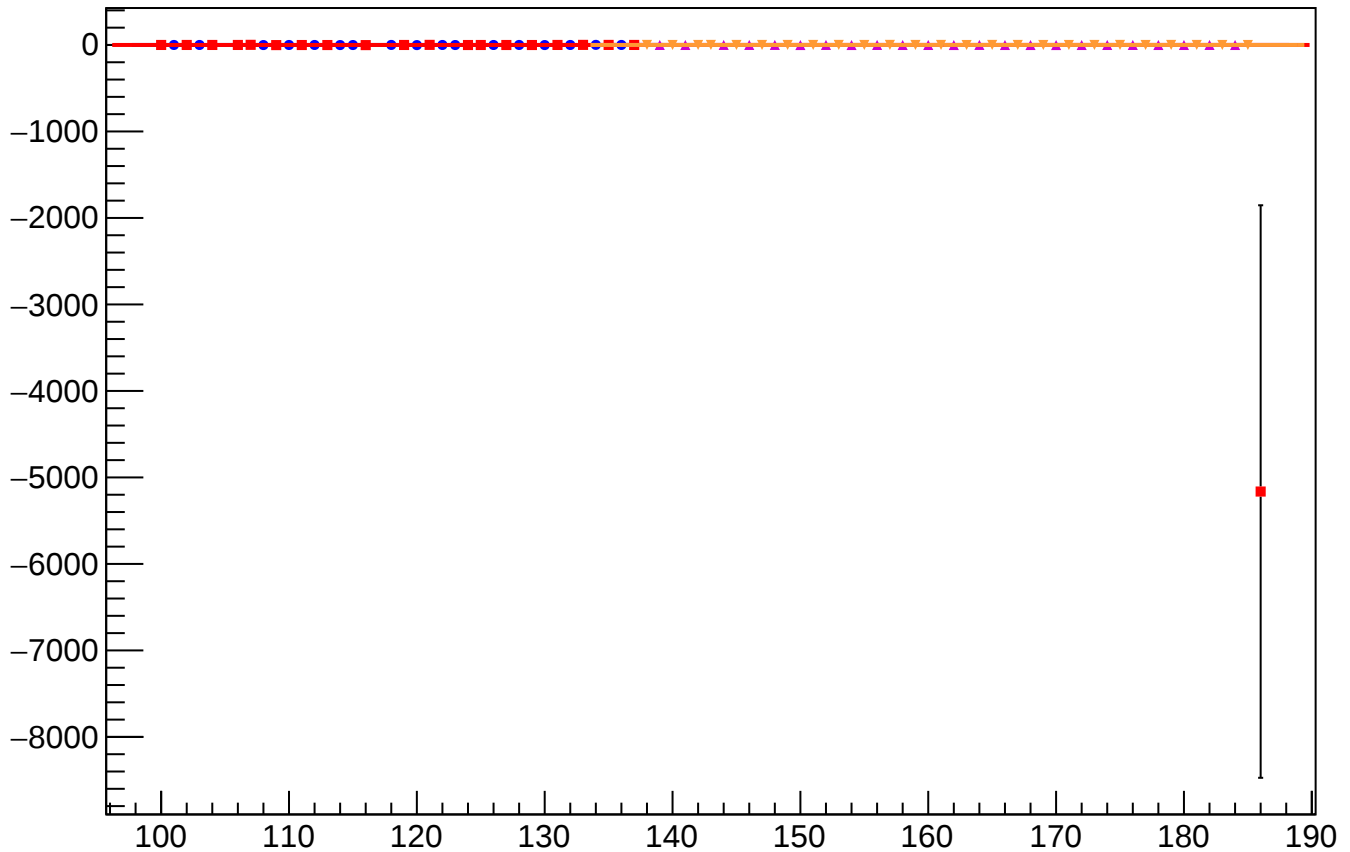
Left In: 4113.993 ± 0.703 χ^2/NDF : 349160.6/22

+ sign 19.254 ± 0.015 χ^2/NDF : 46807504.6/41

All: 19.062 ± 0.010 χ^2/NDF : 92626232.8/84

- sign 18.889 ± 0.014 χ^2/NDF : 45818404.2/42

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 13.6/16

Left Out: 0.148 $\pm$ 0.076 χ^2 /NDF: 17.3/24

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 20.6/19

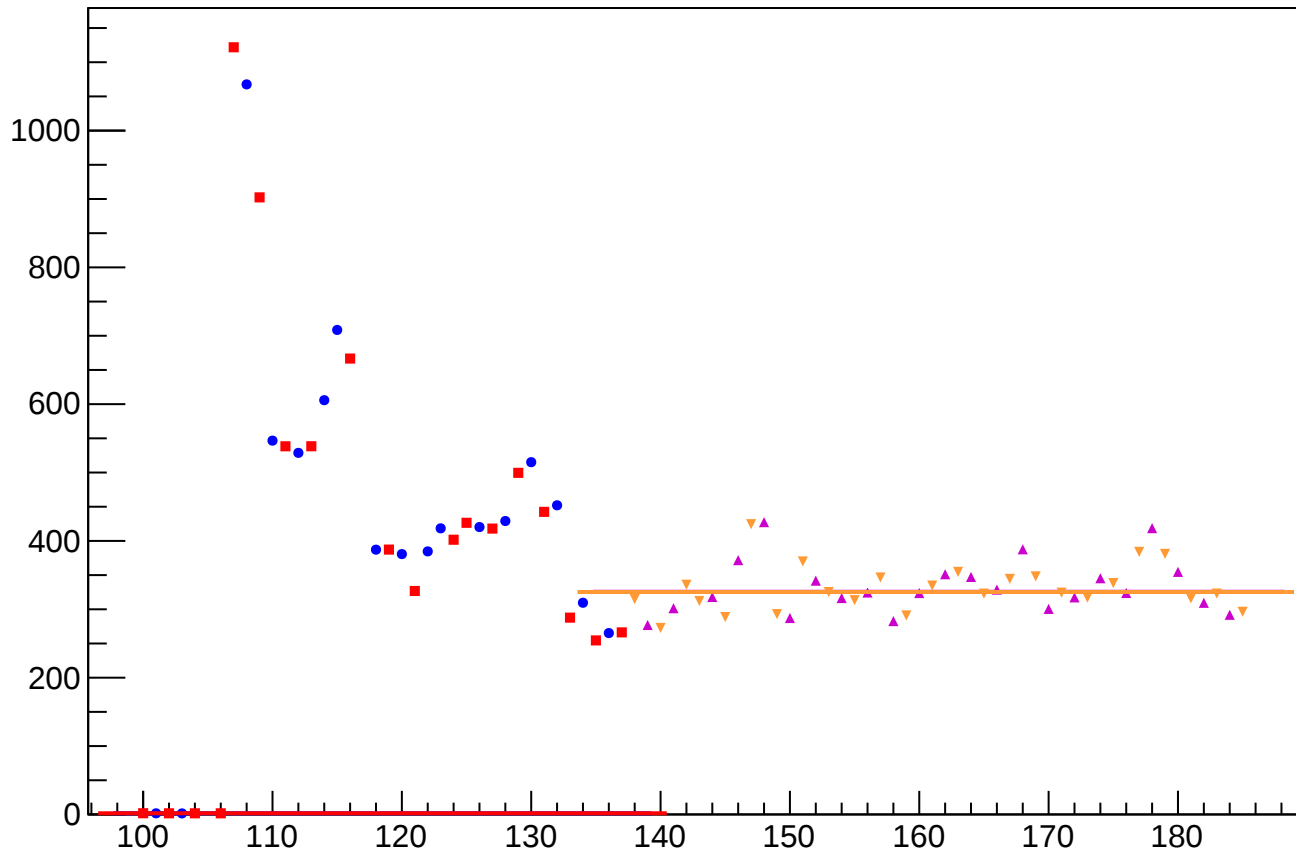
Left In: 0.080 $\pm$ 0.079 χ^2 /NDF: 34.6/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 34.7/41

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 91.0/84

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 56.3/42

diff_cav4dY_rms vs Slug



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

Left Out: 325.326 ± 0.054 χ^2/NDF : 347705.2/24

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

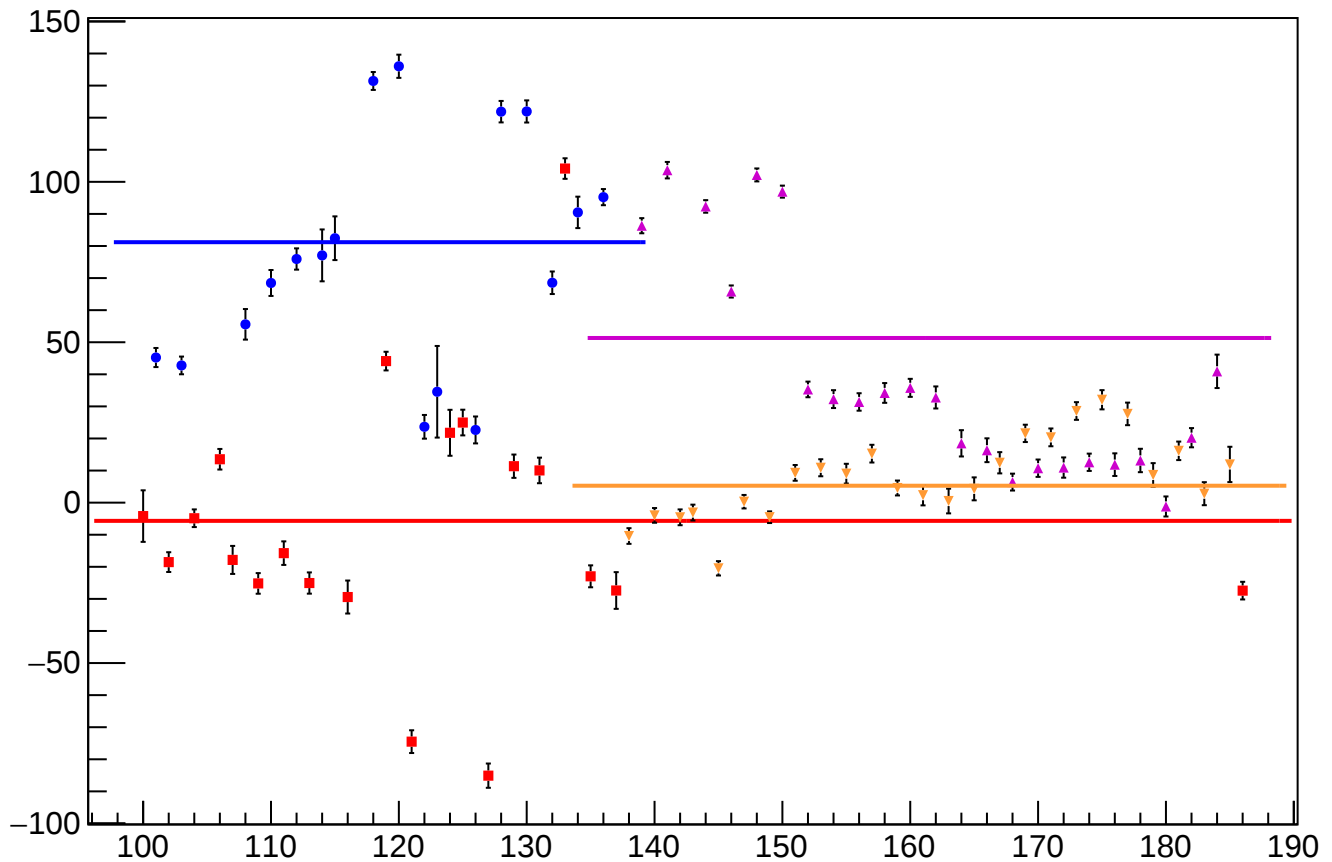
Left In: 325.626 ± 0.056 χ^2/NDF : 413350.0/22

+ sign 1.926 ± 0.001 χ^2/NDF : 47218290.2/41

All: 1.925 ± 0.001 χ^2/NDF : 92054053.5/83

- sign 1.924 ± 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: 5.276 ± 0.544 χ^2/NDF : 556.2/24

Right Out: -5.679 ± 0.807 χ^2/NDF : 2661.5/19

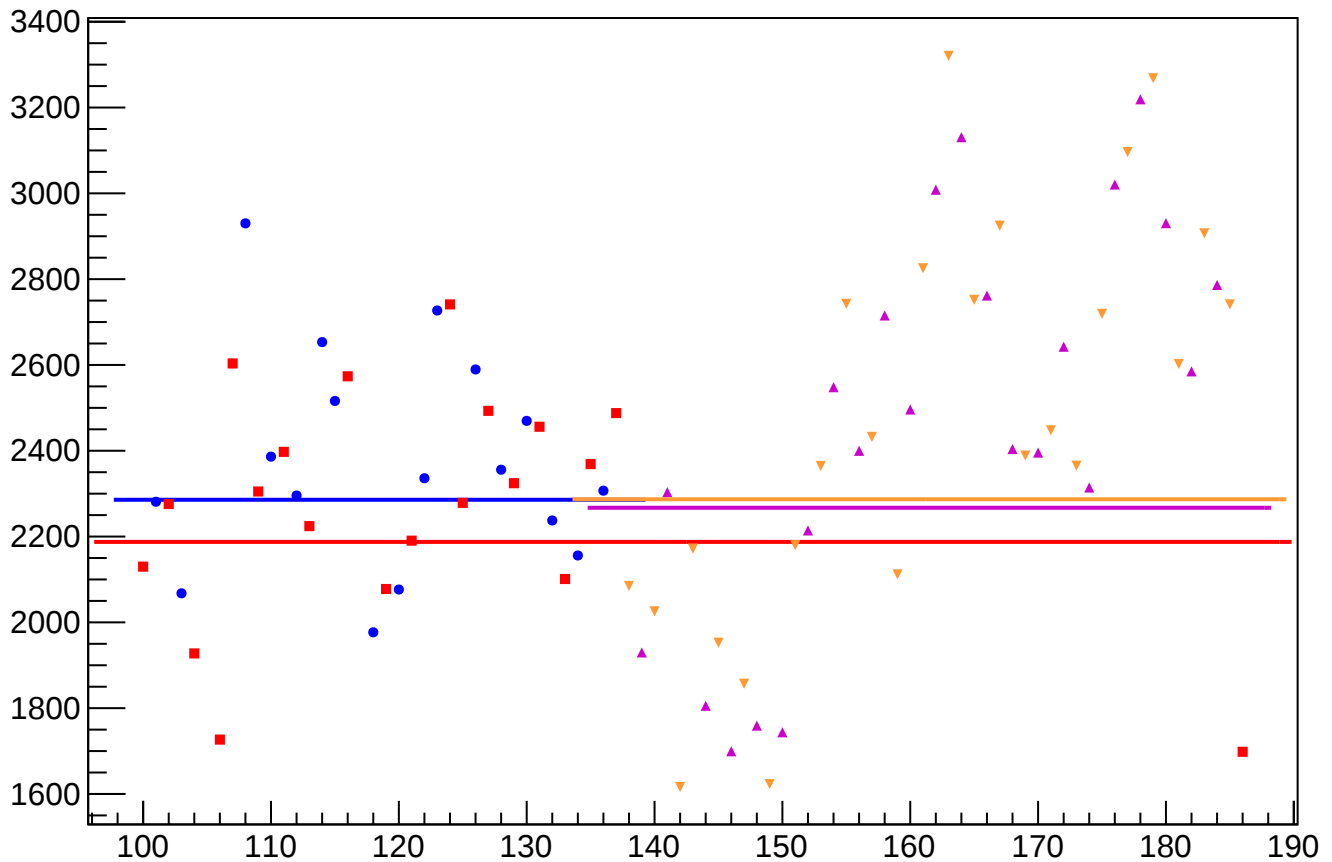
Left In: 51.328 ± 0.558 χ^2/NDF : 4257.8/22

+ sign 26.028 ± 0.464 χ^2/NDF : 7594.2/41

All: 29.483 ± 0.326 χ^2/NDF : 17998.9/84

- sign 32.868 ± 0.459 χ^2/NDF : 10294.8/42

diff_bpm0i01X_rms vs Slug



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

Left Out: 2286.871 ± 0.385 χ^2/NDF : 1360490.8/24

Right Out: 2187.554 ± 0.571 χ^2/NDF : 216275.6/19

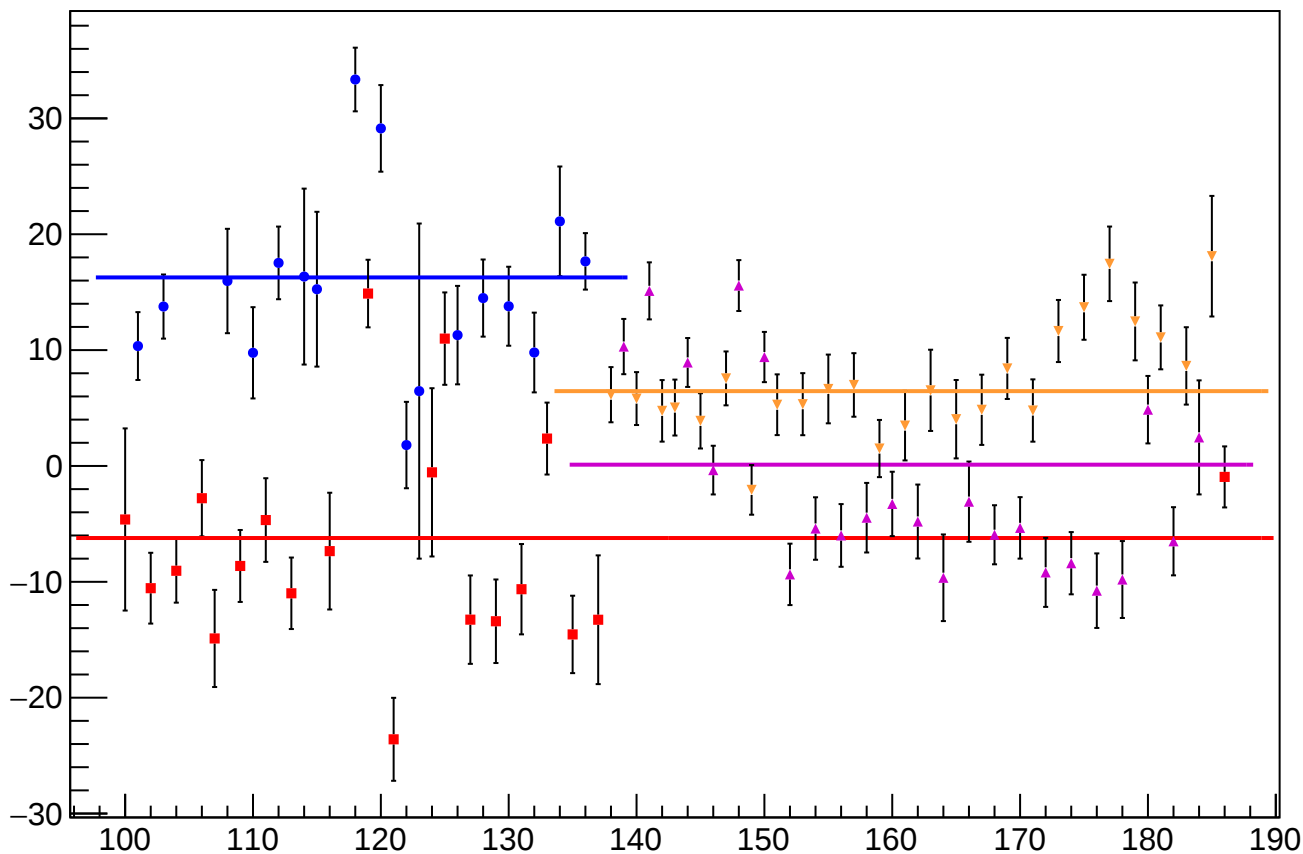
Left In: 2267.097 ± 0.395 χ^2/NDF : 1313364.4/22

+ sign 2286.567 ± 0.328 χ^2/NDF : 1469652.3/41

All: 2263.721 ± 0.231 χ^2/NDF : 3022040.1/84

- sign 2241.339 ± 0.325 χ^2/NDF : 1542784.0/42

diff_bpm0i01Y_mean vs Slug



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

Left Out: 6.458 ± 0.548 $\chi^2/\text{NDF}: 58.7/24$

Right Out: -6.219 ± 0.794 $\chi^2/\text{NDF}: 134.9/19$

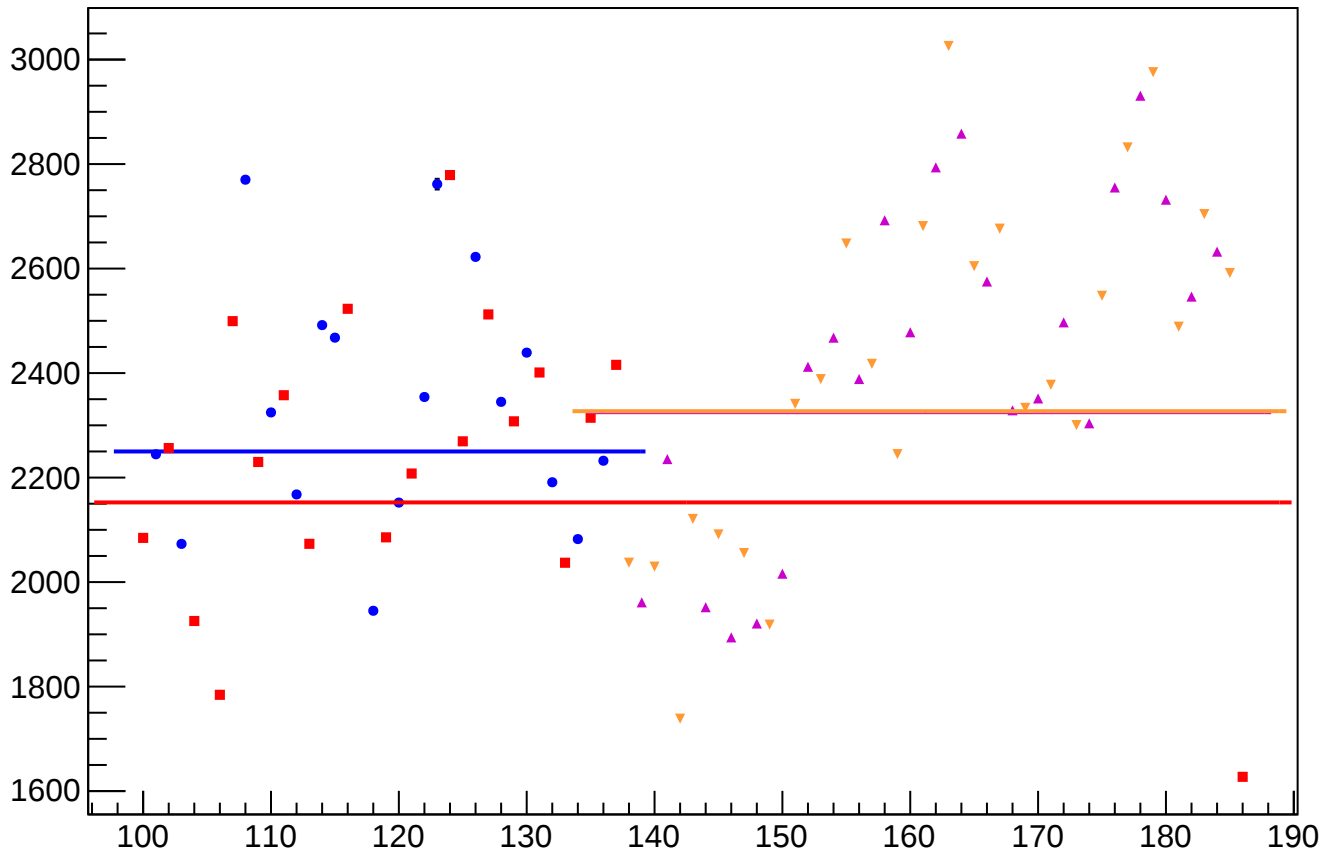
Left In: 0.110 ± 0.565 $\chi^2/\text{NDF}: 234.6/22$

+ sign 9.229 ± 0.464 $\chi^2/\text{NDF}: 230.4/41$

All: 3.562 ± 0.327 $\chi^2/\text{NDF}: 938.4/84$

- sign -2.020 ± 0.460 $\chi^2/\text{NDF}: 411.7/42$

diff_bpm0i01Y_rms vs Slug



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

Left Out: 2327.044 $\pm$ 0.387 χ^2 /NDF: 646706.7/24

Right Out: 2152.466 $\pm$ 0.561 χ^2 /NDF: 213824.0/19

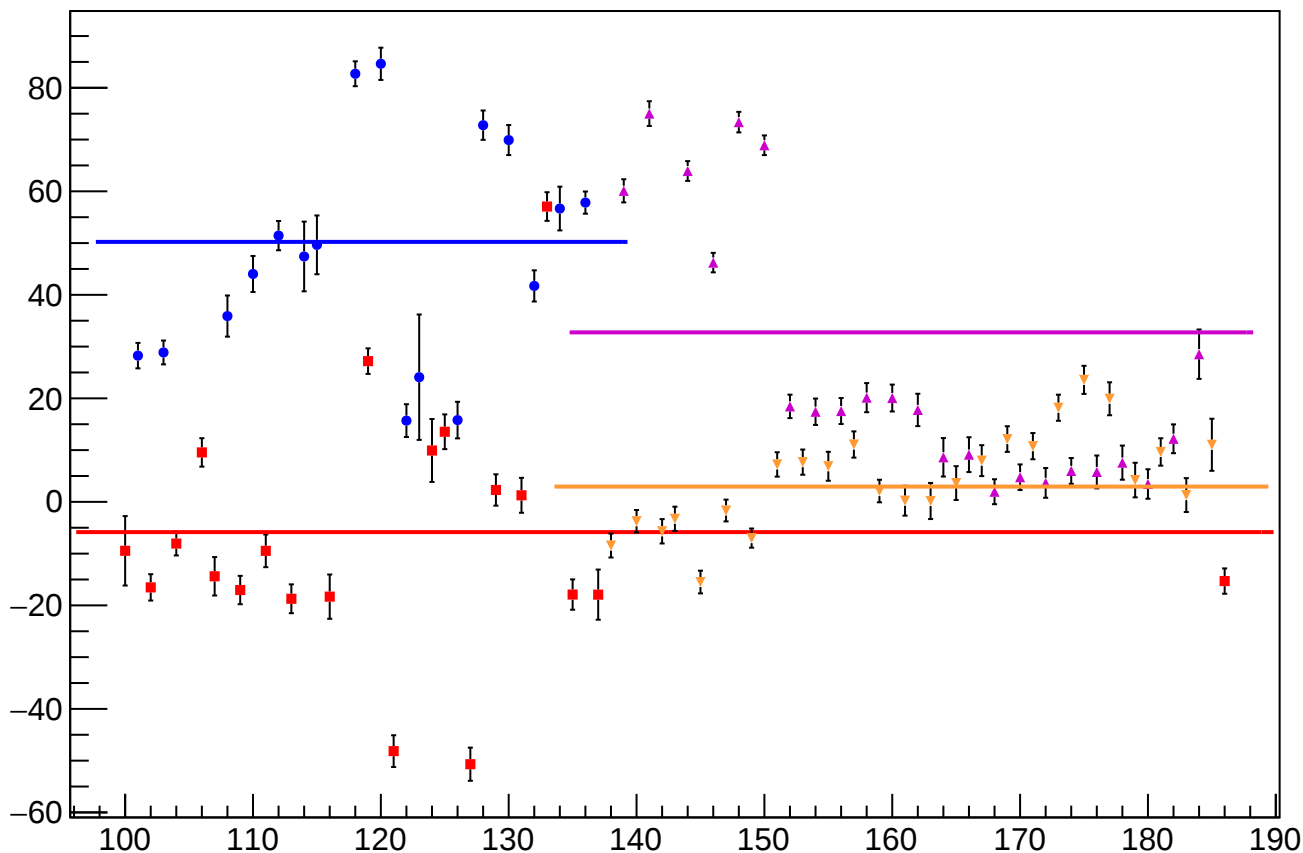
Left In: 2325.175 $\pm$ 0.400 χ^2 /NDF: 610729.2/22

+ sign 2305.290 $\pm$ 0.328 χ^2 /NDF: 755389.2/41

All: 2286.026 $\pm$ 0.231 χ^2 /NDF: 1649645.9/84

- sign 2267.053 $\pm$ 0.326 χ^2 /NDF: 887409.8/42

diff_bpm0i01aX_mean vs Slug



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

Left Out: 2.952 $\pm$ 0.512 χ^2 /NDF:337.8/24

Right Out: -5.842 $\pm$ 0.686 χ^2 /NDF: 1275.6/19

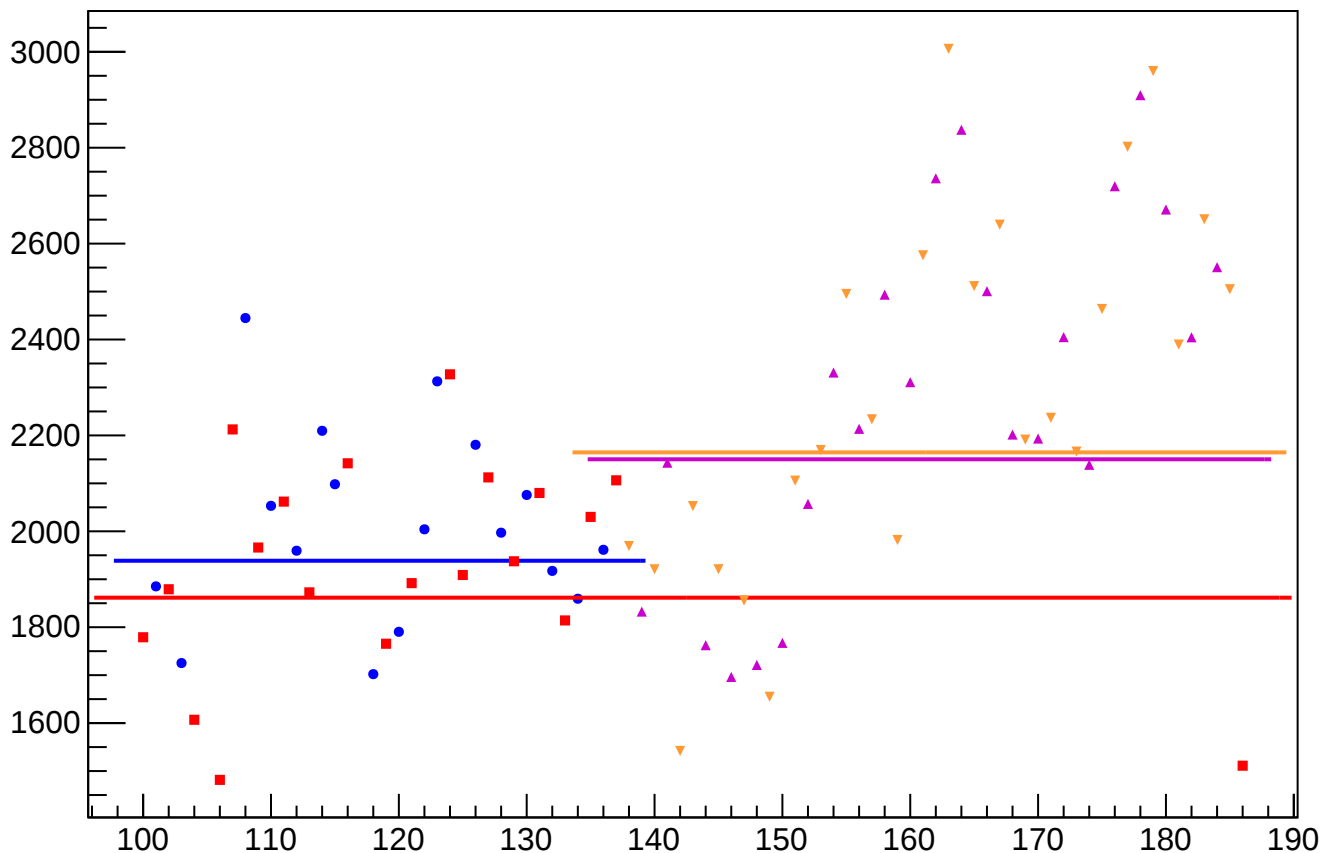
Left In: 32.745 $\pm$ 0.526 χ^2 /NDF:2632.5/22

+ sign 17.922 $\pm$ 0.423 χ^2 /NDF: 3875.9/41

All: 18.191 $\pm$ 0.297 χ^2 /NDF: 9777.2/84

- sign 18.453 $\pm$ 0.417 χ^2 /NDF: 5900.5/42

diff_bpm0i01aX_rms vs Slug



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

Left Out: 2164.573+/-0.362 χ^2/NDF : 965603.5/24

Right Out: 1861.568+/-0.485 χ^2/NDF : 191247.2/19

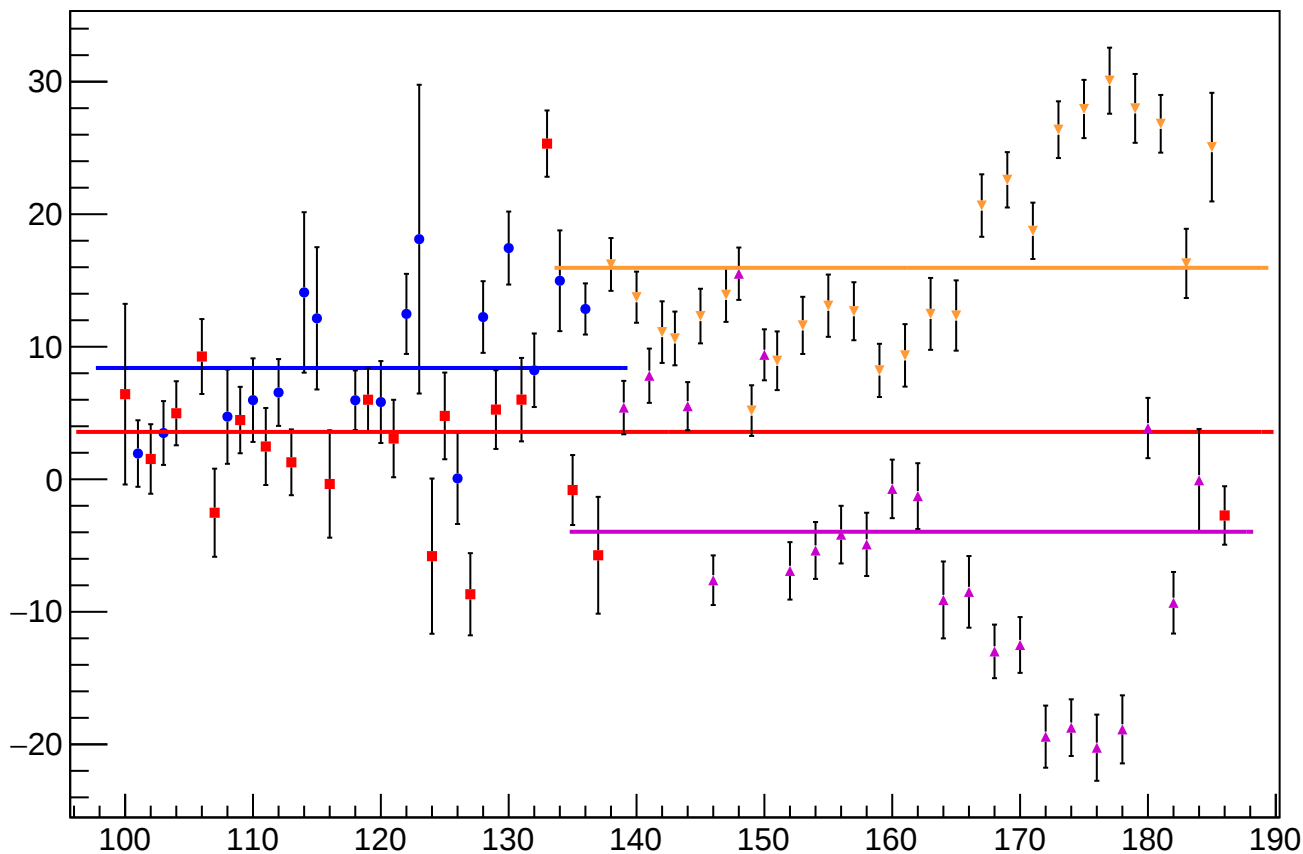
Left In: 2150.190+/-0.372 χ^2/NDF : 911849.7/22

+ sign 2093.026+/-0.299 χ^2/NDF : 1188986.9/41

All: 2067.818+/-0.210 χ^2/NDF : 2529022.5/84

- sign 2043.286+/-0.295 χ^2/NDF : 1326032.7/42

diff_bpm0i01aY_mean vs Slug



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

Left Out: 15.956 ± 0.447 χ^2/NDF : 245.2/24

Right Out: 3.574 ± 0.653 χ^2/NDF : 121.9/19

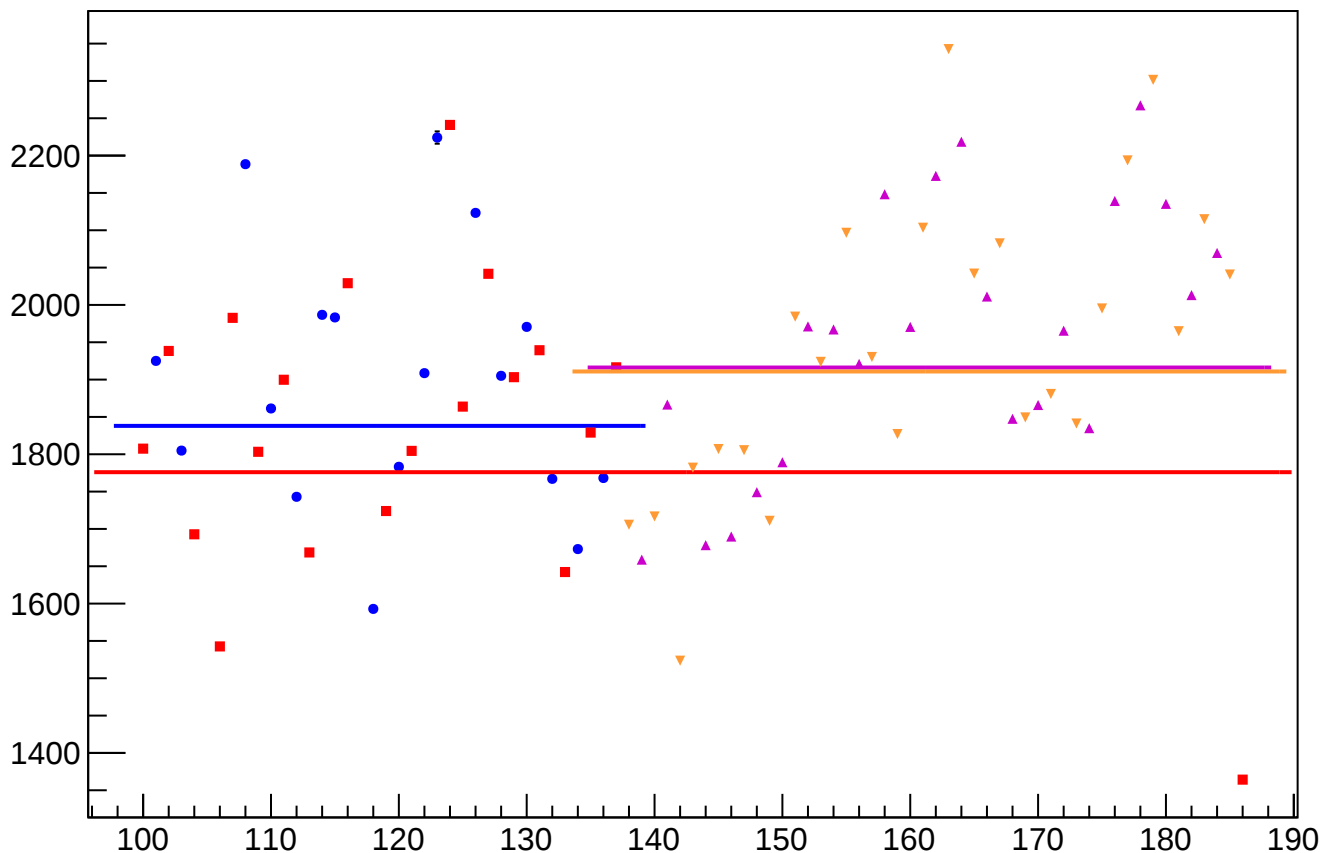
Left In: -3.960 ± 0.463 χ^2/NDF : 464.9/22

+ sign 13.818 ± 0.379 χ^2/NDF : 371.6/41

All: 6.163 ± 0.267 χ^2/NDF : 1860.7/84

- sign -1.441 ± 0.378 χ^2/NDF : 675.4/42

diff_bpm0i01aY_rms vs Slug



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

Left Out: 1910.859 $\pm$ 0.316 χ^2 /NDF: 328970.6/24

Right Out: 1775.996 $\pm$ 0.462 χ^2 /NDF: 164073.8/19

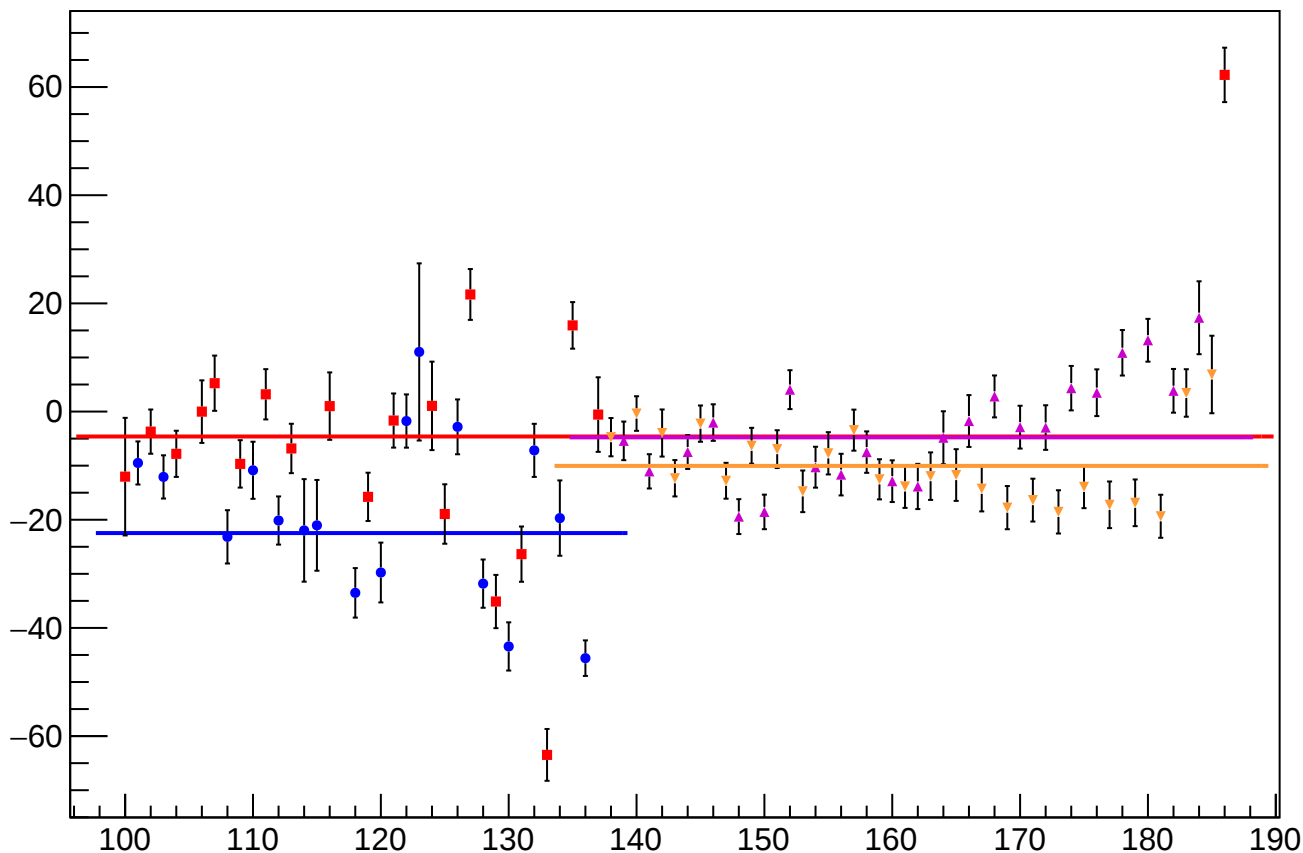
Left In: 1916.159 $\pm$ 0.327 χ^2 /NDF: 274285.3/22

+ sign 1890.253 $\pm$ 0.268 χ^2 /NDF: 426799.7/41

All: 1879.734 $\pm$ 0.189 χ^2 /NDF: 929572.3/84

- sign 1869.286 $\pm$ 0.267 χ^2 /NDF: 499699.7/42

diff_bpm0l01X_mean vs Slug



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

Left Out: -10.042 ± 0.776 χ^2/NDF : 67.1/24

Right Out: -4.609 ± 1.129 χ^2/NDF : 462.8/19

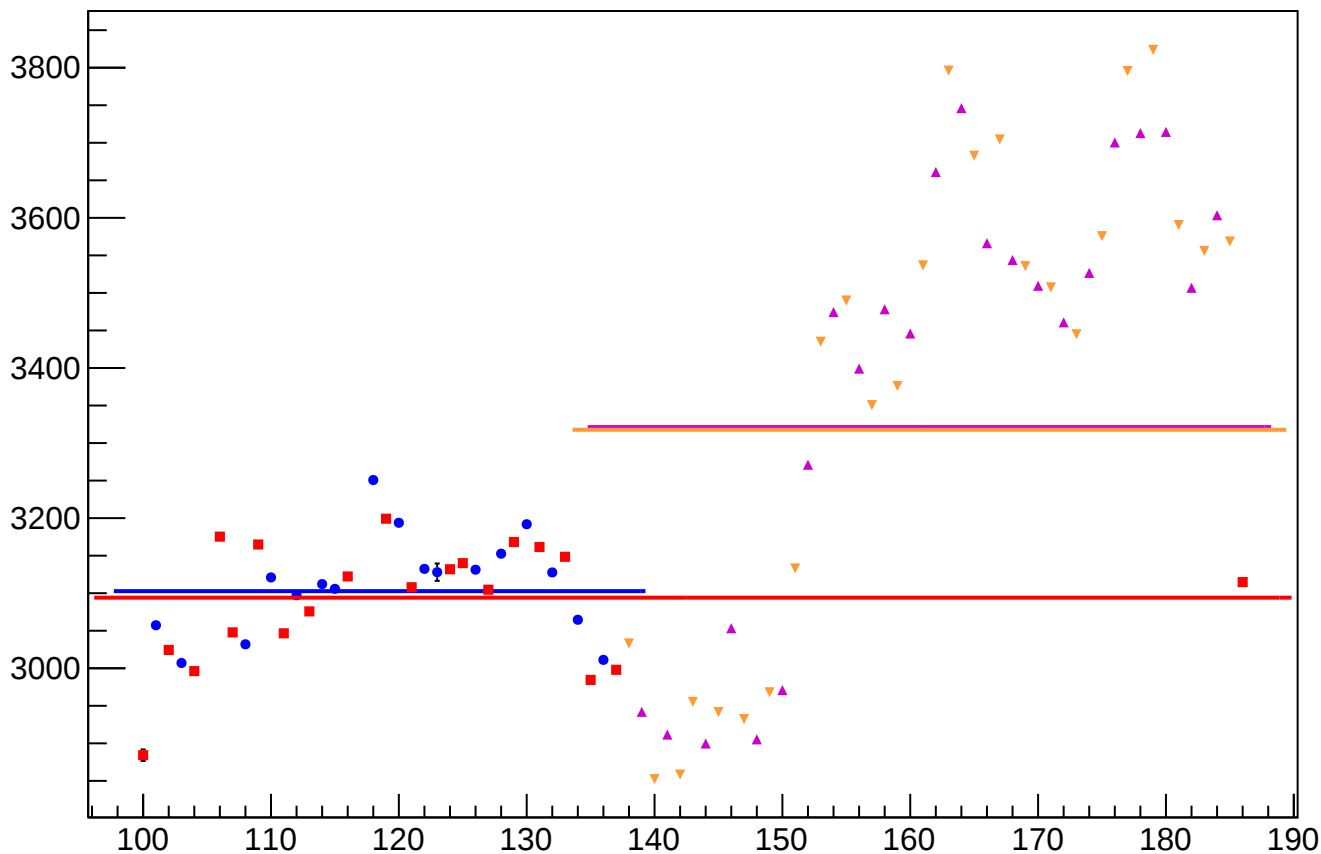
Left In: -4.774 ± 0.800 χ^2/NDF : 128.5/22

+ sign -13.720 ± 0.651 χ^2/NDF : 295.8/41

All: -9.231 ± 0.461 χ^2/NDF : 982.4/84

- sign -4.719 ± 0.653 χ^2/NDF : 591.4/42

diff_bpm0l01X_rms vs Slug



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

Left Out: 3317.699+/-0.549 χ^2/NDF : 336877.2/24

Right Out: 3094.054+/-0.798 χ^2/NDF : 7838.4/19

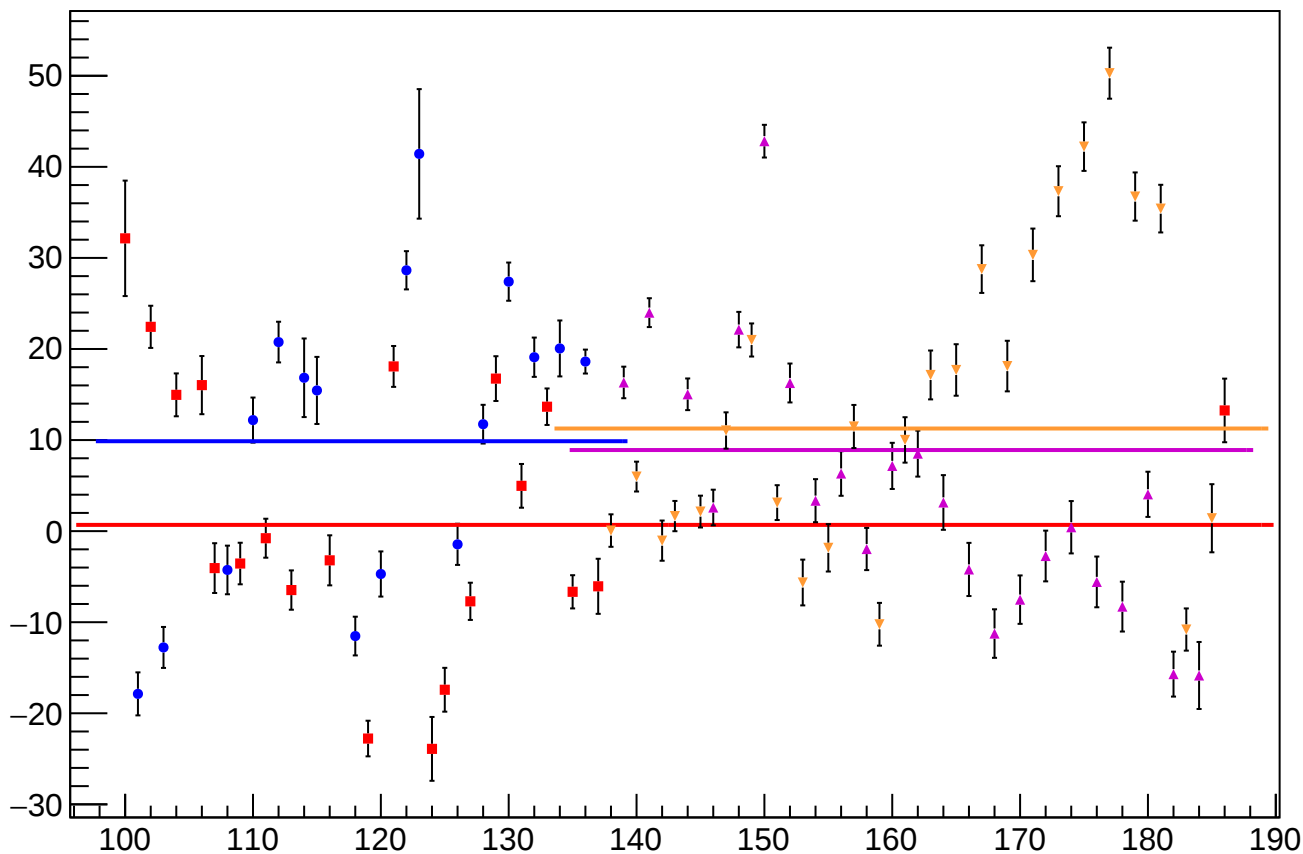
Left In: 3321.275+/-0.566 χ^2/NDF : 284334.2/22

+ sign 3254.036+/-0.461 χ^2/NDF : 389626.0/41

All: 3249.659+/-0.326 χ^2/NDF : 735892.1/84

- sign 3245.259+/-0.462 χ^2/NDF : 346085.0/42

diff_bpm0l01Y_mean vs Slug



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

Left Out: 11.268 ± 0.454 χ^2/NDF : 1141.8/24

Right Out: 0.686 ± 0.541 χ^2/NDF : 641.3/19

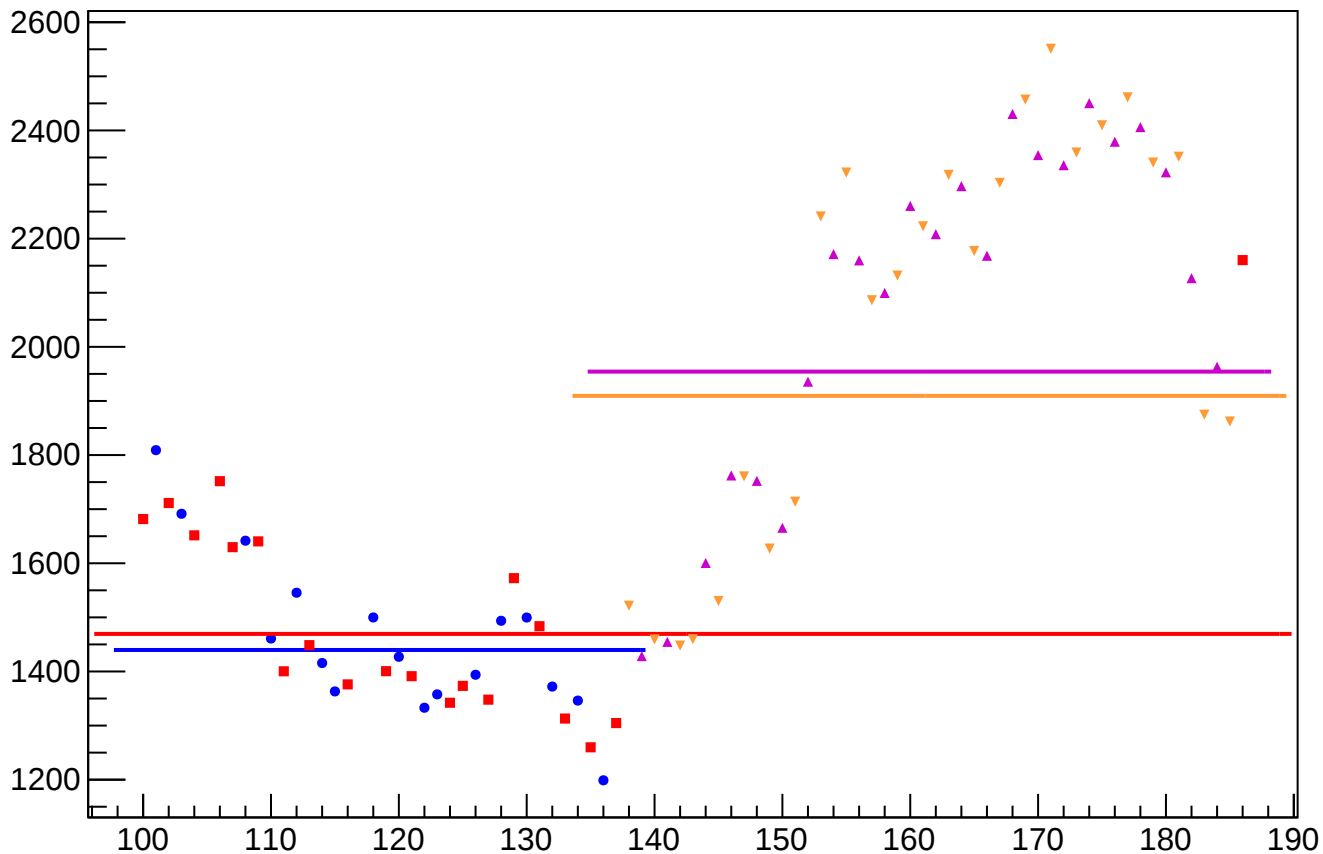
Left In: 8.905 ± 0.478 χ^2/NDF : 936.3/22

+ sign 10.715 ± 0.353 χ^2/NDF : 1847.1/41

All: 8.050 ± 0.251 χ^2/NDF : 3670.1/84

- sign 5.307 ± 0.358 χ^2/NDF : 1707.3/42

diff_bpm0l01Y_rms vs Slug



Right In: 1439.733 $\pm$ 0.396 χ^2 /NDF: 172867.1/16

Left Out: 1909.387 $\pm$ 0.321 χ^2 /NDF:1398498.0/24

Right Out: 1469.445 $\pm$ 0.383 χ^2 /NDF: 218610.4/19

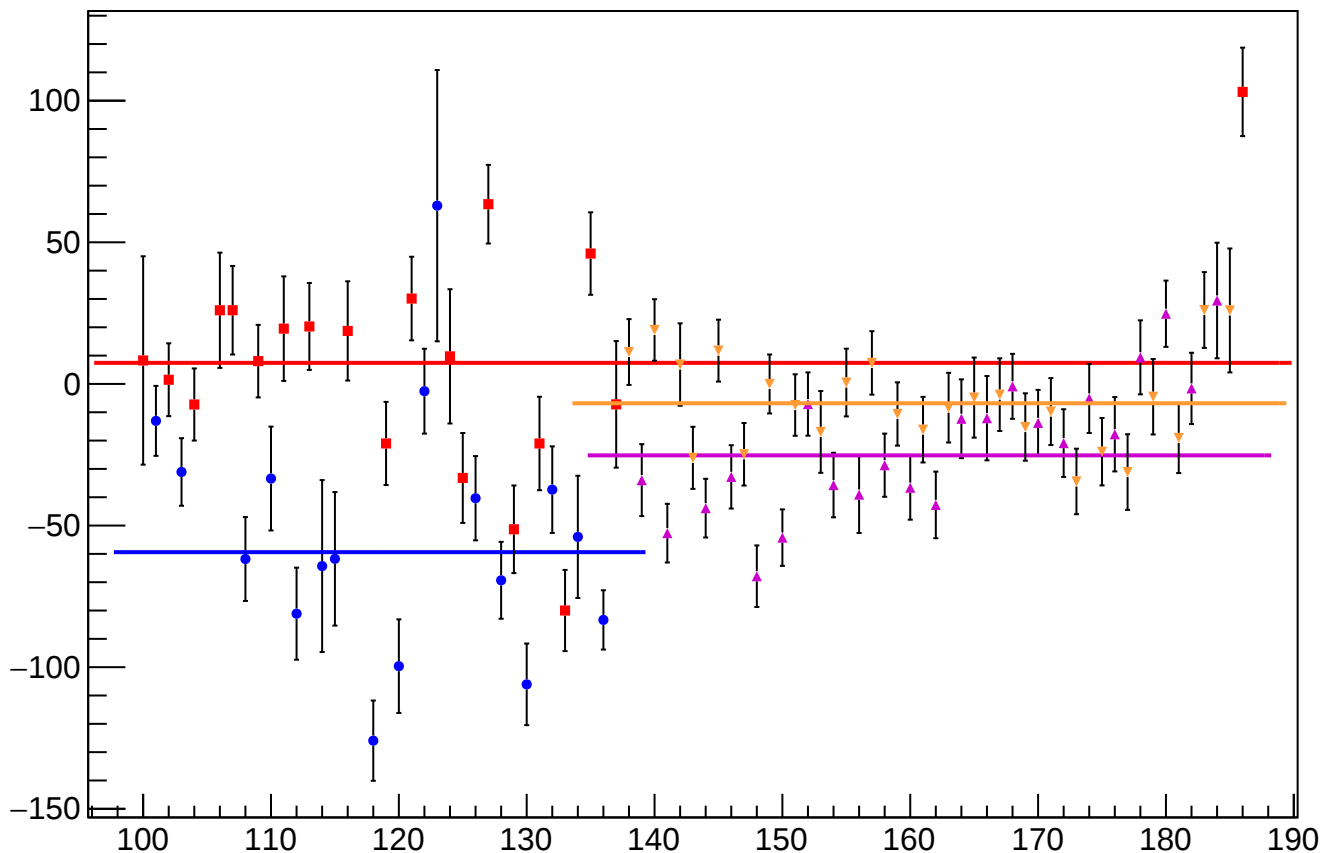
Left In: 1954.236 $\pm$ 0.338 χ^2 /NDF:1044826.7/22

+ sign 1723.126 $\pm$ 0.250 χ^2 /NDF: 2418840.1/41

All: 1732.434 $\pm$ 0.178 χ^2 /NDF: 4587484.8/84

- sign 1742.014 $\pm$ 0.253 χ^2 /NDF: 2165821.8/42

diff_bpm0l02X_mean vs Slug



Right In: -59.392 ± 3.736 $\chi^2/\text{NDF}: 92.5/16$

Left Out: -6.825 ± 2.423 $\chi^2/\text{NDF}: 42.3/24$

Right Out: 7.445 ± 3.542 $\chi^2/\text{NDF}: 133.9/19$

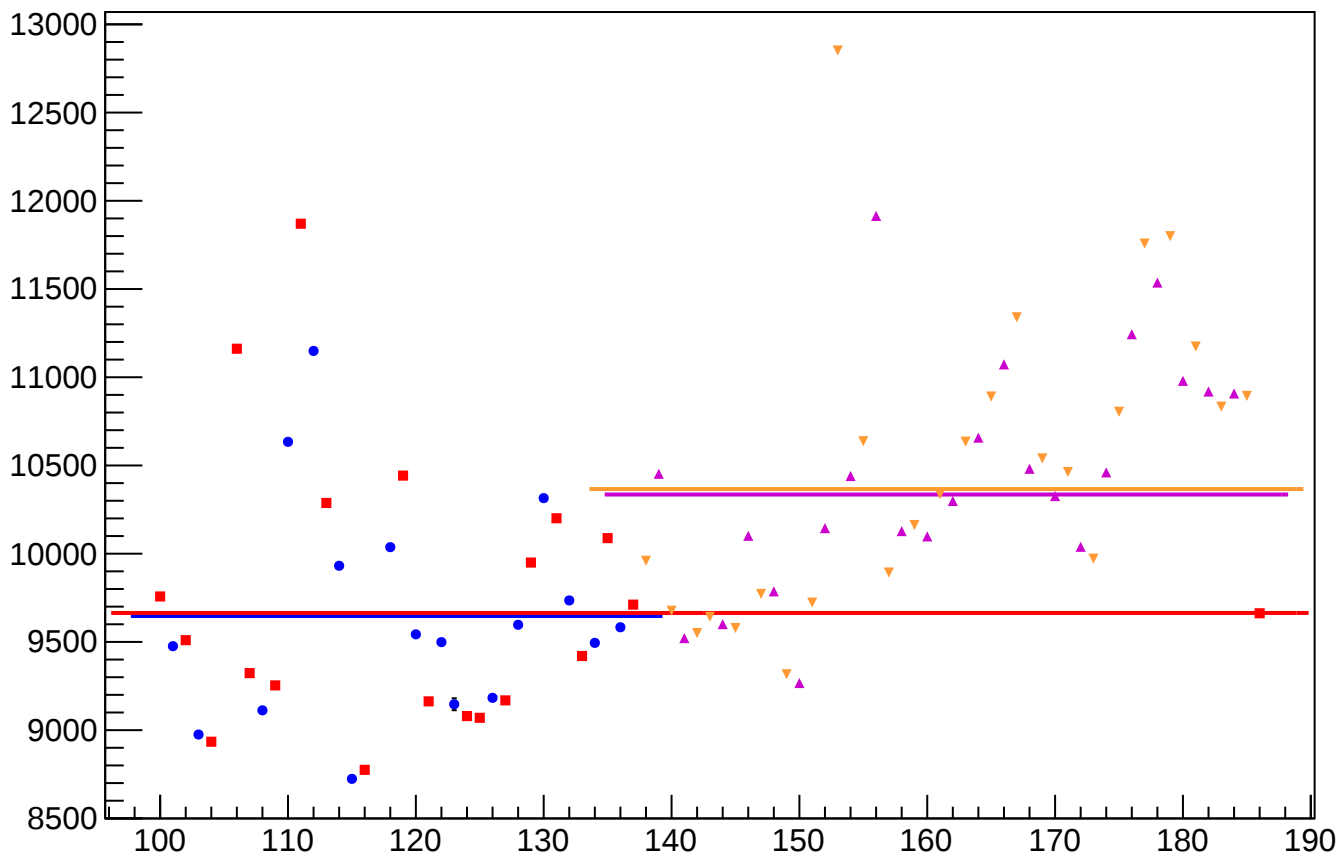
Left In: -25.215 ± 2.487 $\chi^2/\text{NDF}: 89.3/22$

+ sign -22.387 ± 2.033 $\chi^2/\text{NDF}: 274.3/41$

All: -18.414 ± 1.438 $\chi^2/\text{NDF}: 562.1/84$

- sign -14.431 ± 2.035 $\chi^2/\text{NDF}: 280.2/42$

diff_bpm0l02X_rms vs Slug



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

Left Out: 10366.534 $\pm$ 1.713 χ^2 /NDF: 211402.8/24

Right Out: 9664.096 $\pm$ 2.504 χ^2 /NDF: 77326.5/19

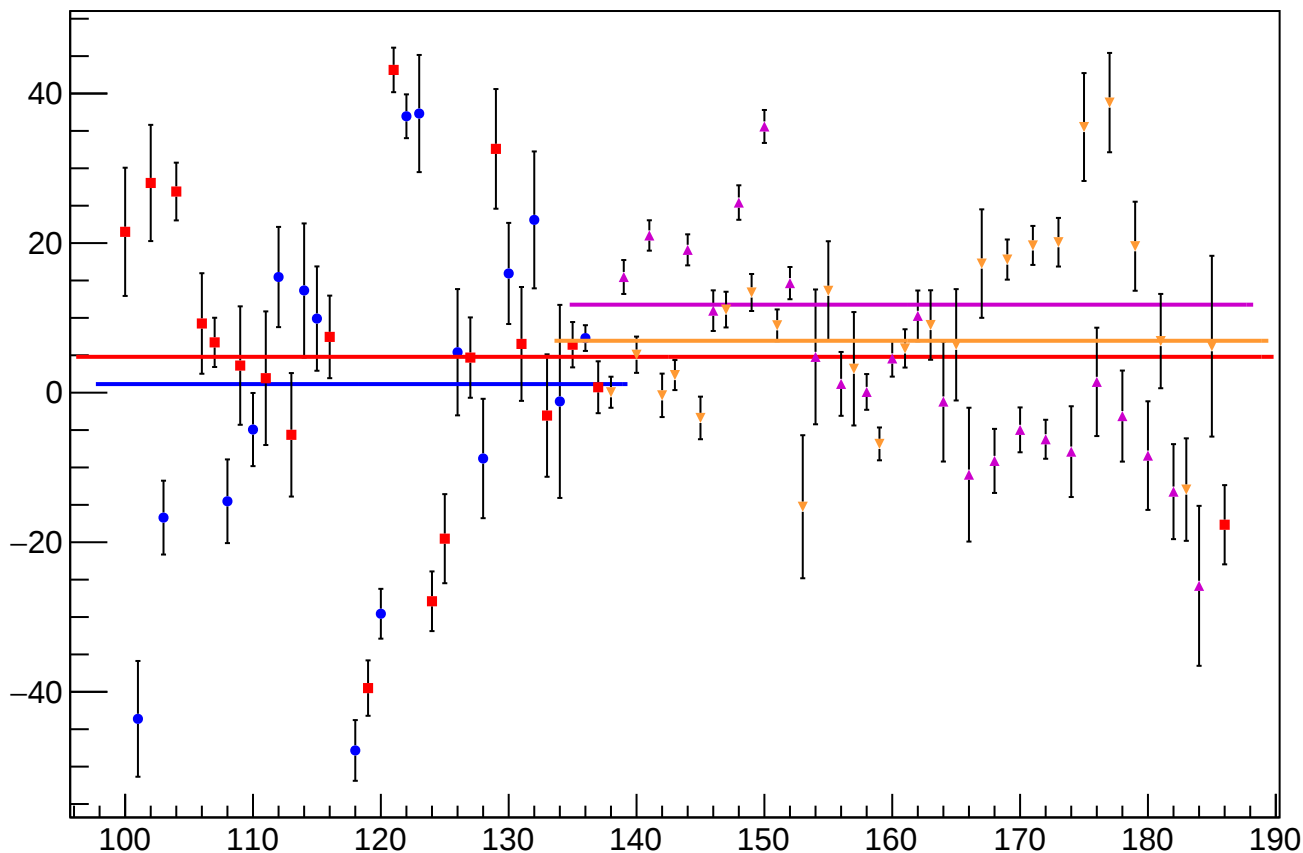
Left In: 10335.399 $\pm$ 1.758 χ^2 /NDF: 127173.0/22

+ sign 10153.492 $\pm$ 1.437 χ^2 /NDF: 307646.2/41

All: 10133.640 $\pm$ 1.017 χ^2 /NDF: 560658.9/84

- sign 10113.739 $\pm$ 1.439 χ^2 /NDF: 252630.6/42

diff_bpm0l02Y_mean vs Slug



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

Left Out: 6.939 ± 0.639 χ^2/NDF : 203.8/24

Right Out: 4.793 ± 1.069 χ^2/NDF : 473.7/19

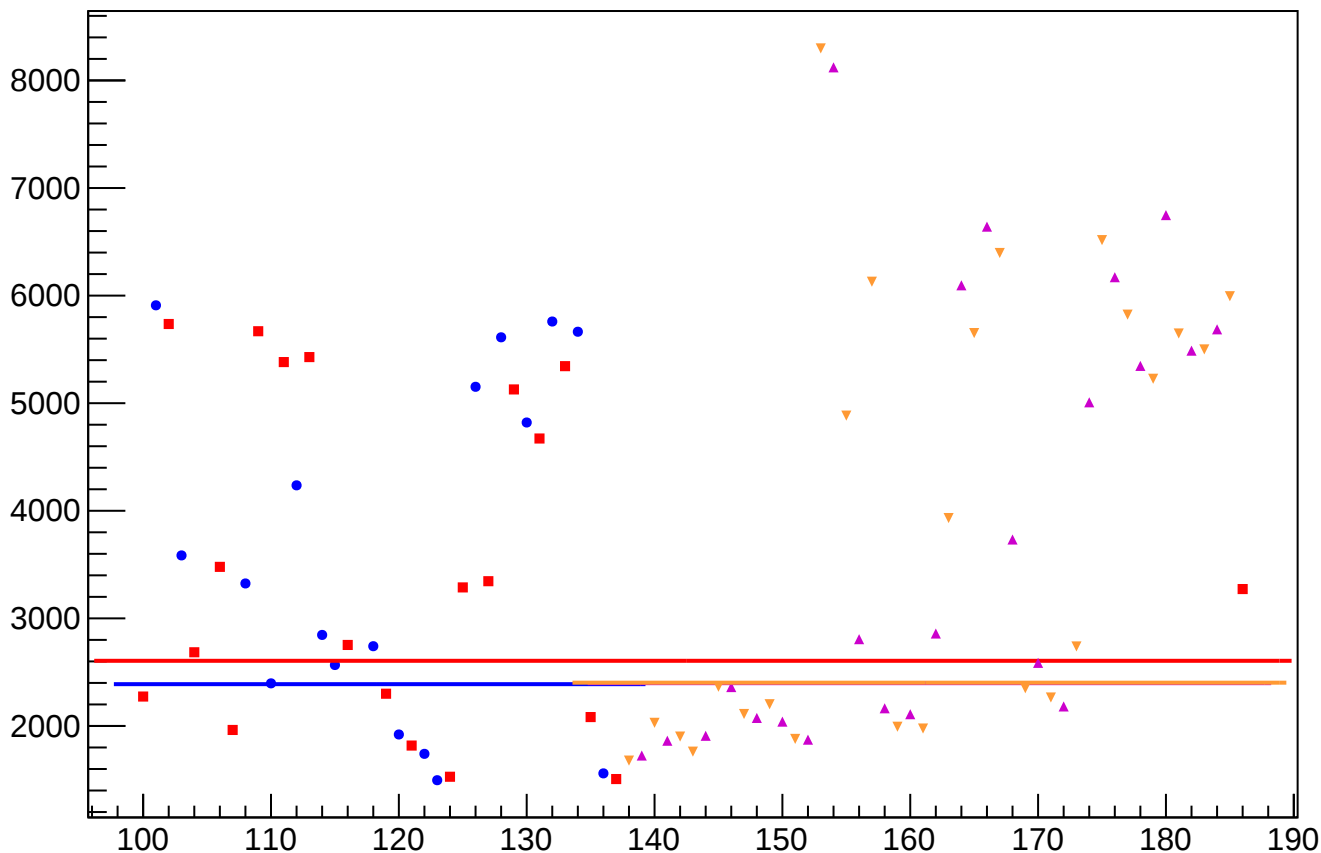
Left In: 11.766 ± 0.648 χ^2/NDF : 395.1/22

+ sign 5.411 ± 0.548 χ^2/NDF : 716.2/41

All: 7.626 ± 0.390 χ^2/NDF : 1649.1/84

- sign 9.892 ± 0.554 χ^2/NDF : 899.9/42

diff_bpm0l02Y_rms vs Slug



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

Left Out: 2402.359 $\pm$ 0.452 χ^2 /NDF: 6345982.8/24

Right Out: 2605.683 $\pm$ 0.756 χ^2 /NDF: 2391818.2/19

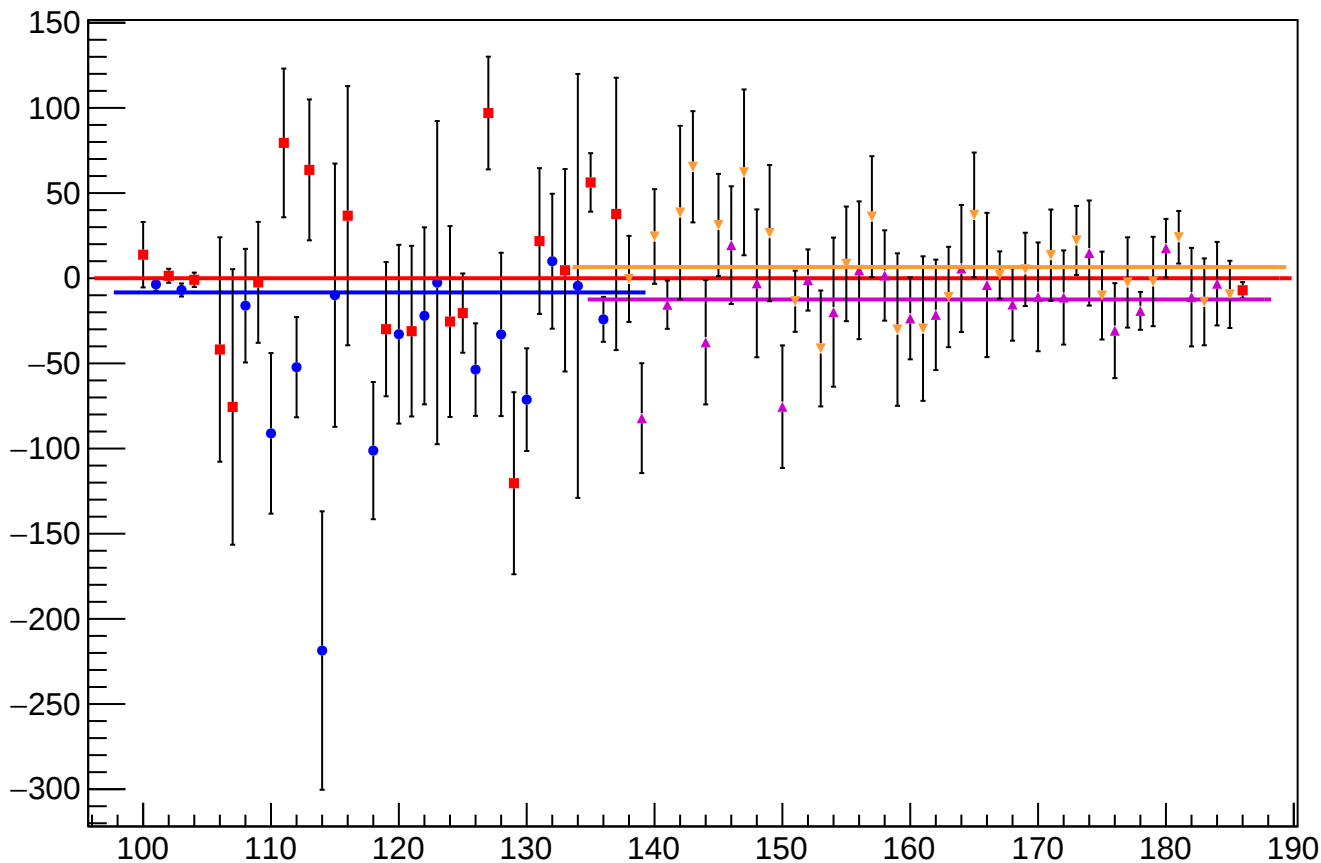
Left In: 2397.701 $\pm$ 0.458 χ^2 /NDF: 5398920.1/22

+ sign 2398.712 $\pm$ 0.388 χ^2 /NDF: 8934919.3/41

All: 2425.840 $\pm$ 0.276 χ^2 /NDF: 16790883.9/8

- sign 2453.599 $\pm$ 0.392 χ^2 /NDF: 7846051.2/42

diff_bpm0l03X_mean vs Slug



Right In: -8.339 ± 2.588 $\chi^2/\text{NDF}: 28.3/16$

Left Out: 6.560 ± 5.077 $\chi^2/\text{NDF}: 16.8/24$

Right Out: -0.000 ± 2.404 $\chi^2/\text{NDF}: 36.9/19$

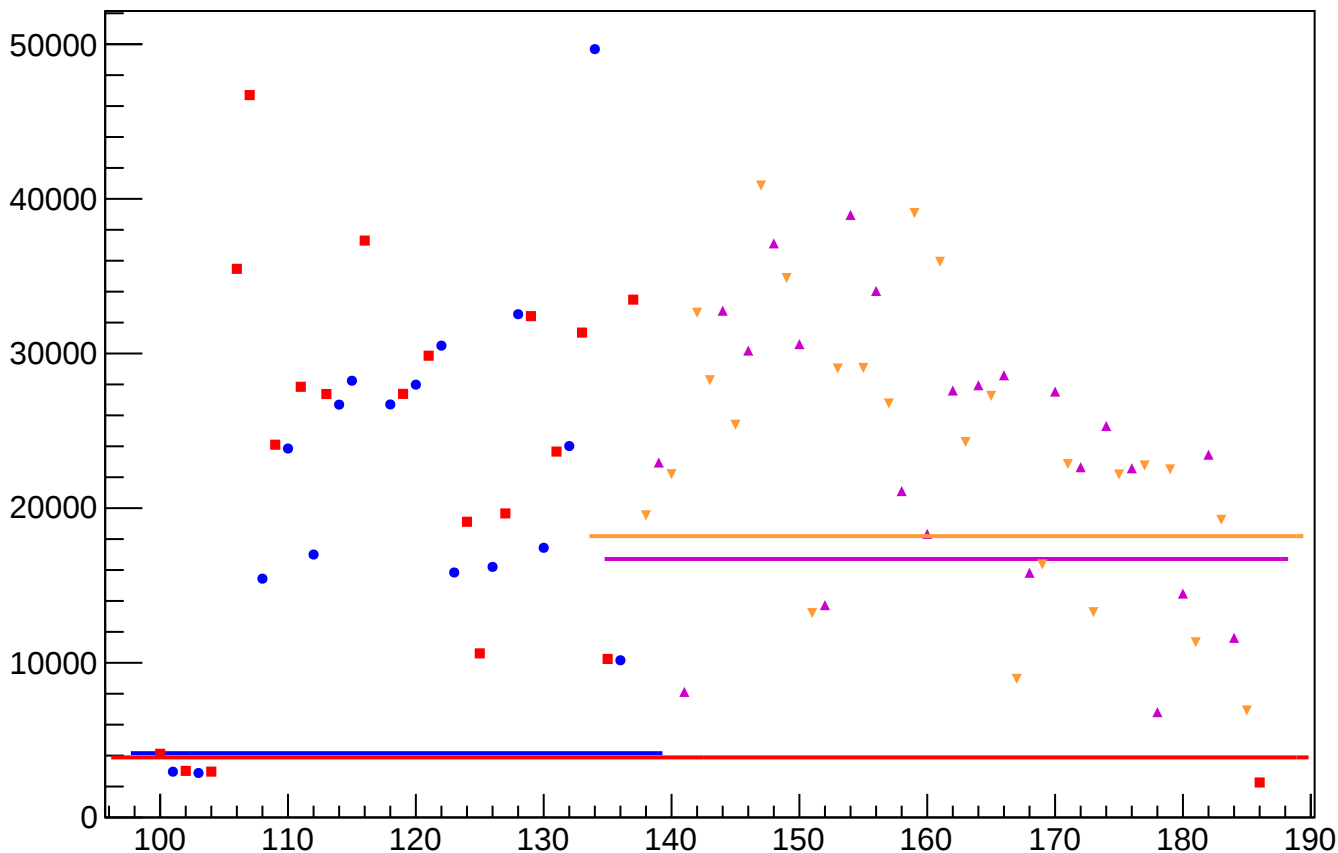
Left In: -12.469 ± 5.025 $\chi^2/\text{NDF}: 15.4/22$

+ sign -5.266 ± 2.306 $\chi^2/\text{NDF}: 51.9/41$

All: -3.704 ± 1.580 $\chi^2/\text{NDF}: 110.0/84$

- sign -2.322 ± 2.168 $\chi^2/\text{NDF}: 57.3/42$

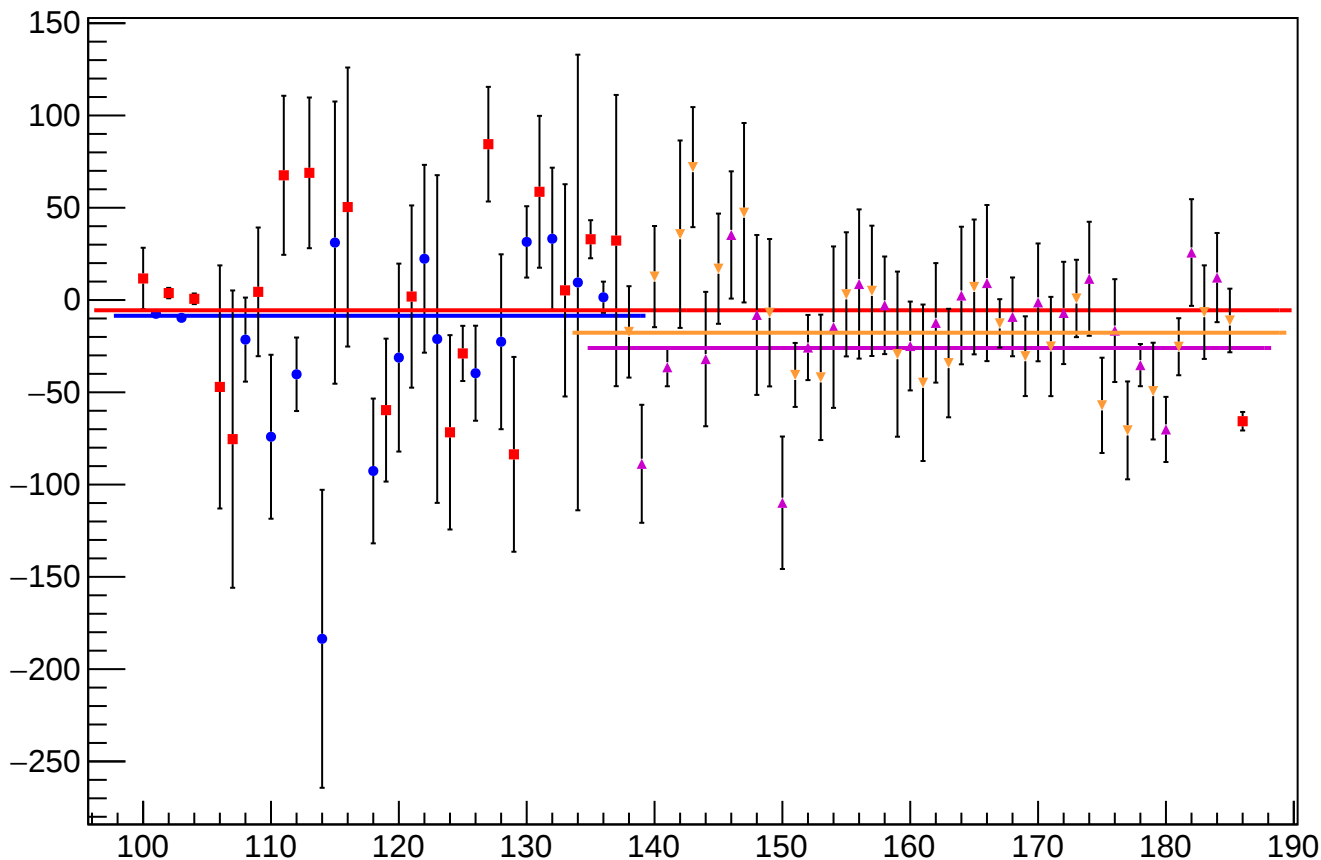
diff_bpm0l03X_rms vs Slug



Right In: 4156.086+/-1.830 χ^2/NDF : 5974546.9/16
 Left Out: 18190.387+/-3.590 χ^2/NDF : 5261328.5/24
 Right Out: 3882.941+/-1.700 χ^2/NDF : 7713485.7/19
 Left In: 16713.653+/-3.553 χ^2/NDF : 6194178.8/22

+ sign 7050.513+/-1.630 χ^2/NDF : 23364546.4/41
 All: 6637.320+/-1.117 χ^2/NDF : 48003663.9/8
 - sign 6271.915+/-1.533 χ^2/NDF : 24518103.2/42

diff_bpm0l03Y_mean vs Slug



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

Left Out: -17.717 ± 4.974 χ^2/NDF : 27.2/24

Right Out: -5.556 ± 1.795 χ^2/NDF : 201.1/19

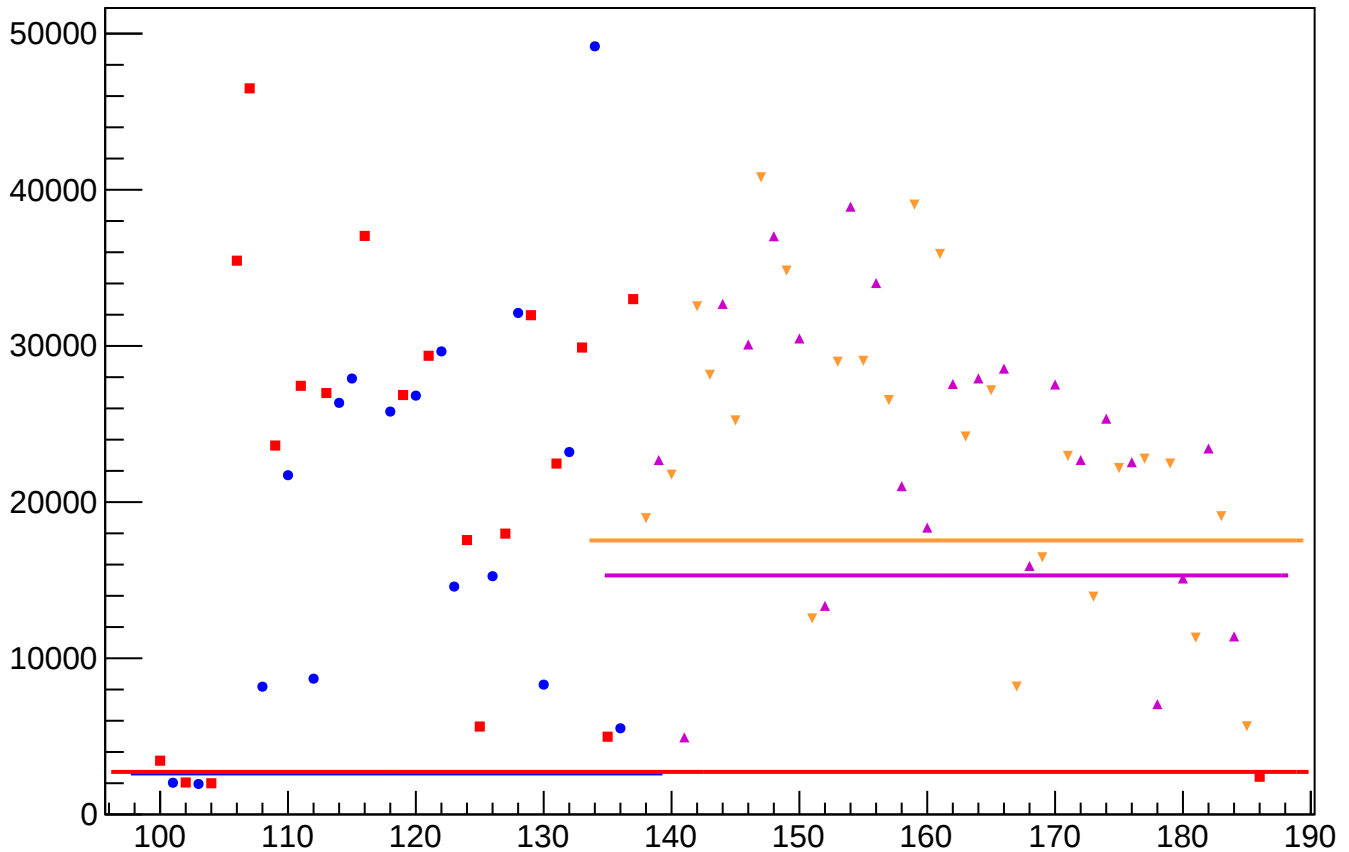
Left In: -25.991 ± 4.789 χ^2/NDF : 32.6/22

+ sign -9.576 ± 1.674 χ^2/NDF : 54.1/41

All: -8.828 ± 1.186 χ^2/NDF : 304.2/84

- sign -8.074 ± 1.681 χ^2/NDF : 249.7/42

diff_bpm0l03Y_rms vs Slug



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

Left Out: 17546.173+/-3.517 χ^2/NDF : 5902620.4/24

Right Out: 2725.200+/-1.269 χ^2/NDF : 7821531.7/19

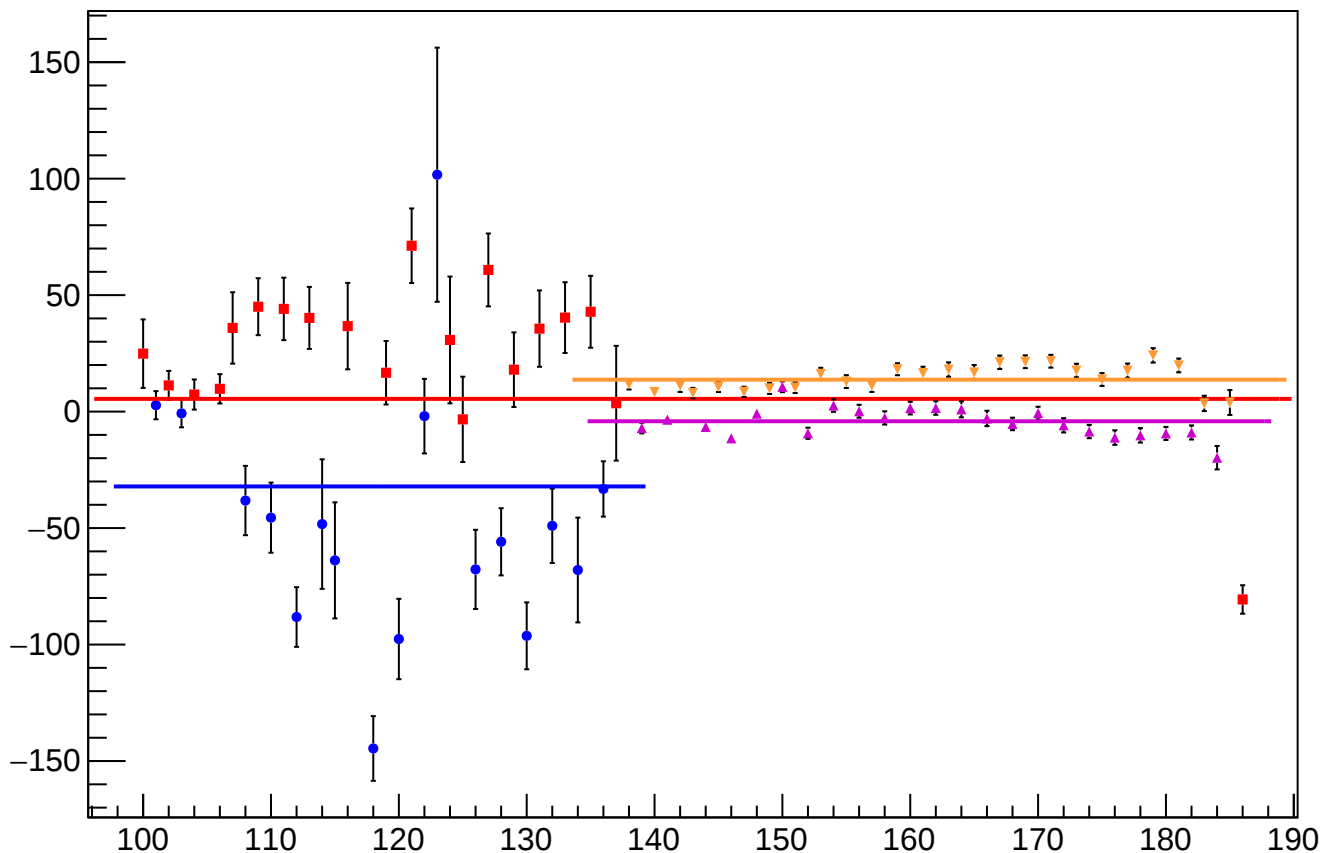
Left In: 15305.311+/-3.386 χ^2/NDF : 7721177.0/22

+ sign 4317.323+/-1.184 χ^2/NDF : 27425488.9/41

All: 4296.427+/-0.839 χ^2/NDF : 55069784.7/8

- sign 4275.362+/-1.189 χ^2/NDF : 27643670.2/42

diff_bpm0l04X_mean vs Slug



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

Left Out: 13.710 ± 0.535 χ^2/NDF : 89.9/24

Right Out: 5.463 ± 2.448 χ^2/NDF : 280.4/19

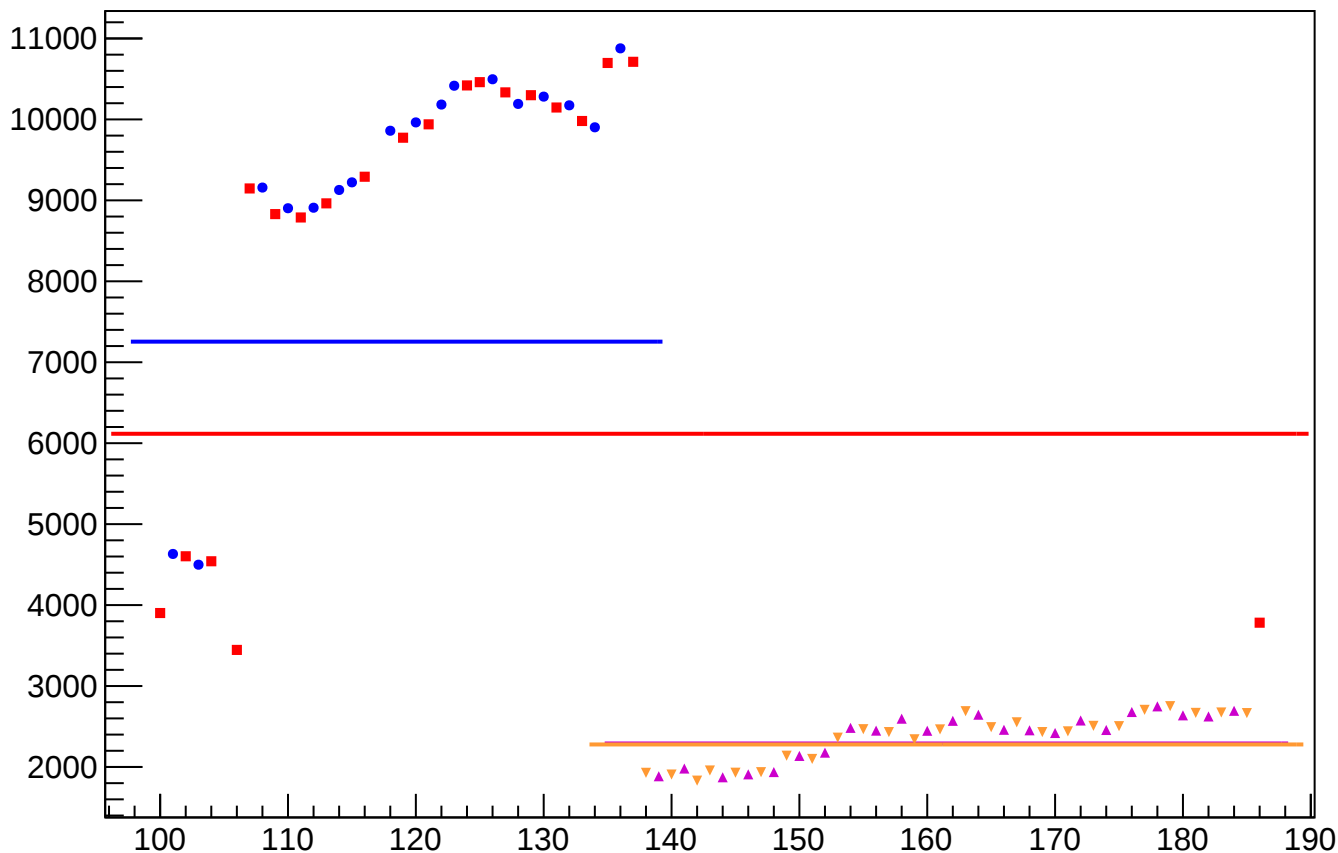
Left In: -4.141 ± 0.555 χ^2/NDF : 111.7/22

+ sign 12.281 ± 0.527 χ^2/NDF : 521.7/41

All: 4.518 ± 0.377 χ^2/NDF : 1374.6/84

- sign -3.671 ± 0.541 χ^2/NDF : 406.7/42

diff_bpm0l04X_rms vs Slug



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

Left Out: 2278.115 $\pm$ 0.378 χ^2 /NDF: 607109.4/24

Right Out: 6116.322 $\pm$ 1.731 χ^2 /NDF: 2538489.1/19

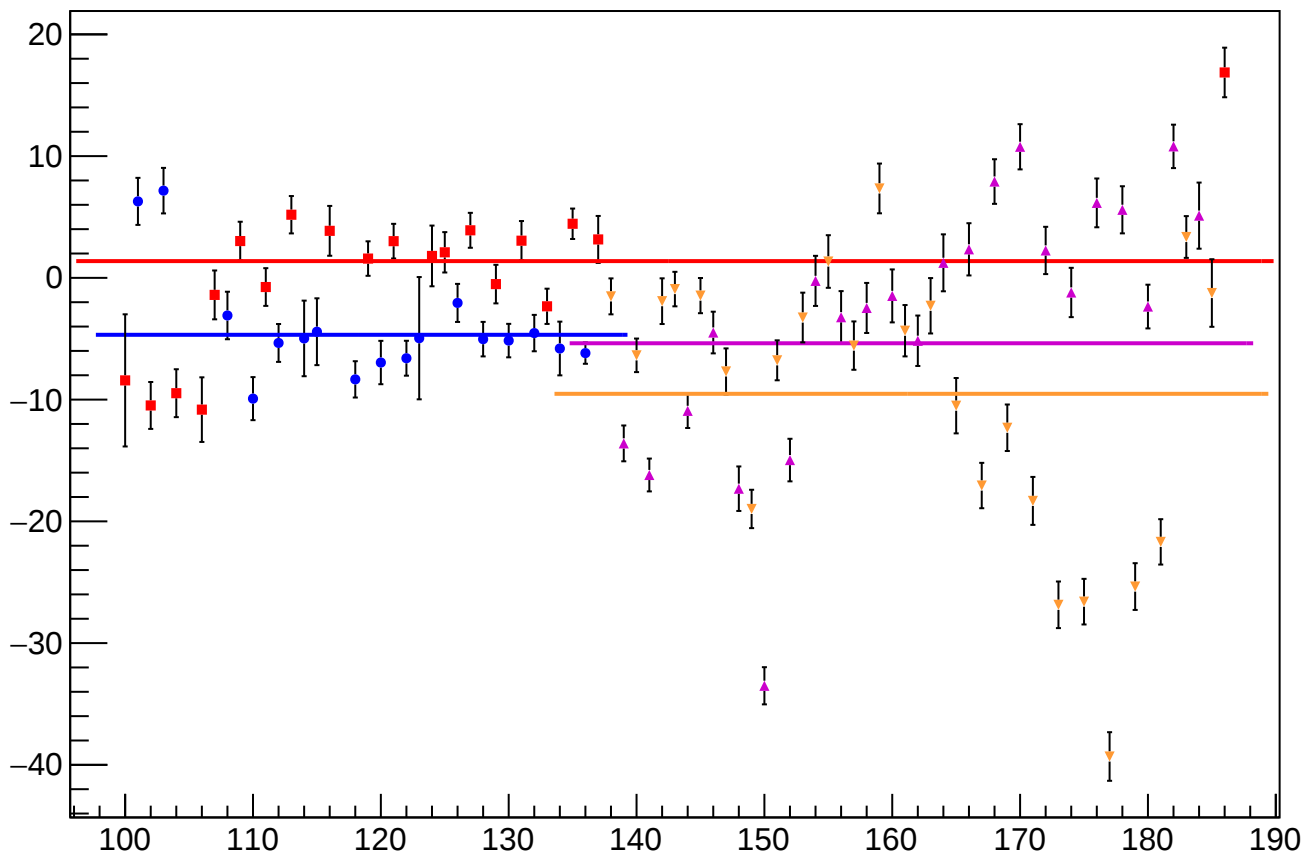
Left In: 2290.461 $\pm$ 0.392 χ^2 /NDF: 590272.1/22

+ sign 2433.175 $\pm$ 0.373 χ^2 /NDF: 7626976.6/41

All: 2454.695 $\pm$ 0.267 χ^2 /NDF: 15409555.3/8

- sign 2477.393 $\pm$ 0.383 χ^2 /NDF: 7775722.2/42

diff_bpm0l04Y_mean vs Slug



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

Left Out: -9.524 ± 0.365 χ^2/NDF : 884.1/24

Right Out: 1.376 ± 0.382 χ^2/NDF : 183.7/19

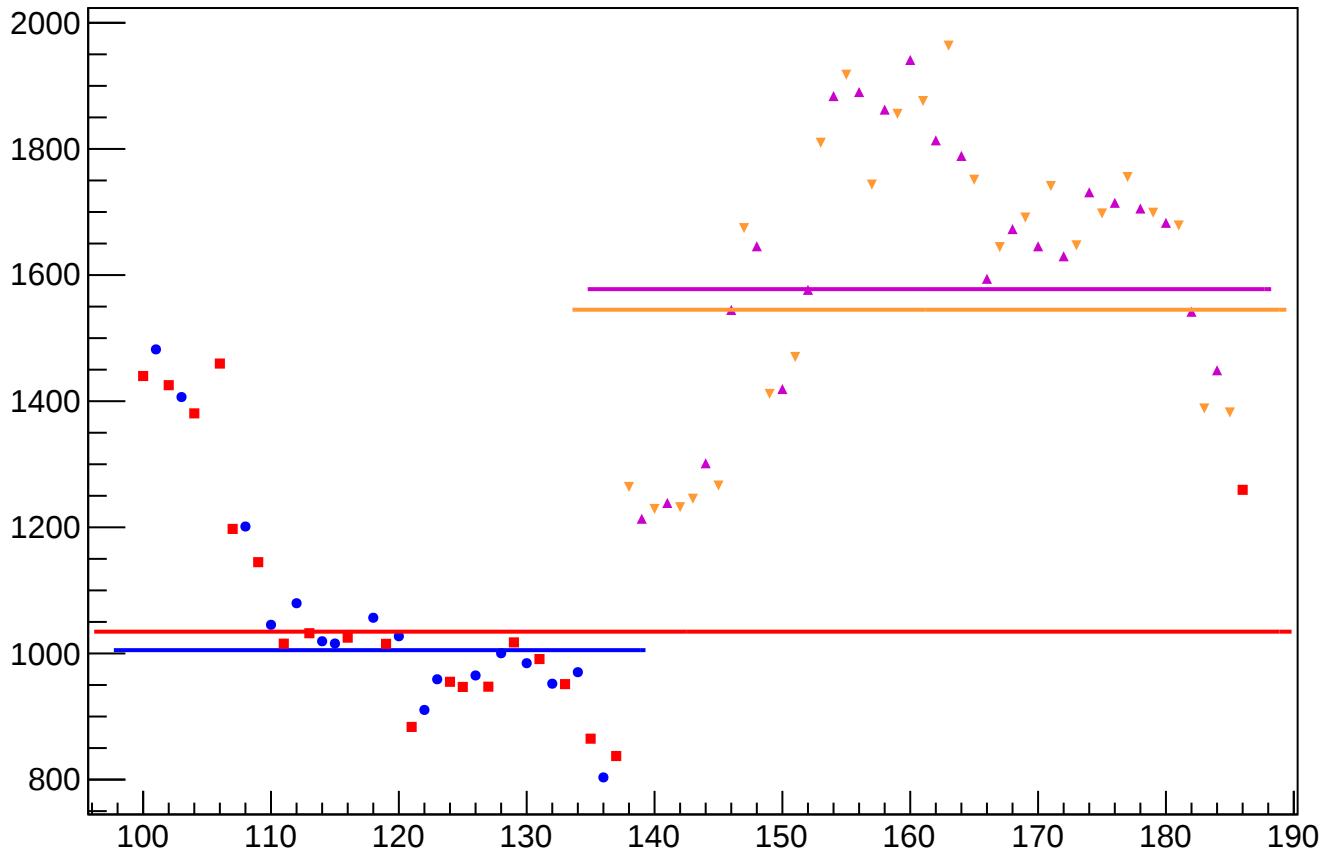
Left In: -5.372 ± 0.383 χ^2/NDF : 869.8/22

+ sign -7.283 ± 0.267 χ^2/NDF : 1063.3/41

All: -4.668 ± 0.190 χ^2/NDF : 2465.8/84

- sign -1.993 ± 0.271 χ^2/NDF : 1209.1/42

diff_bpm0l04Y_rms vs Slug



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

Left Out: 1545.053 ± 0.258 χ^2/NDF : 842722.3/24

Right Out: 1034.556 ± 0.270 χ^2/NDF : 358246.6/19

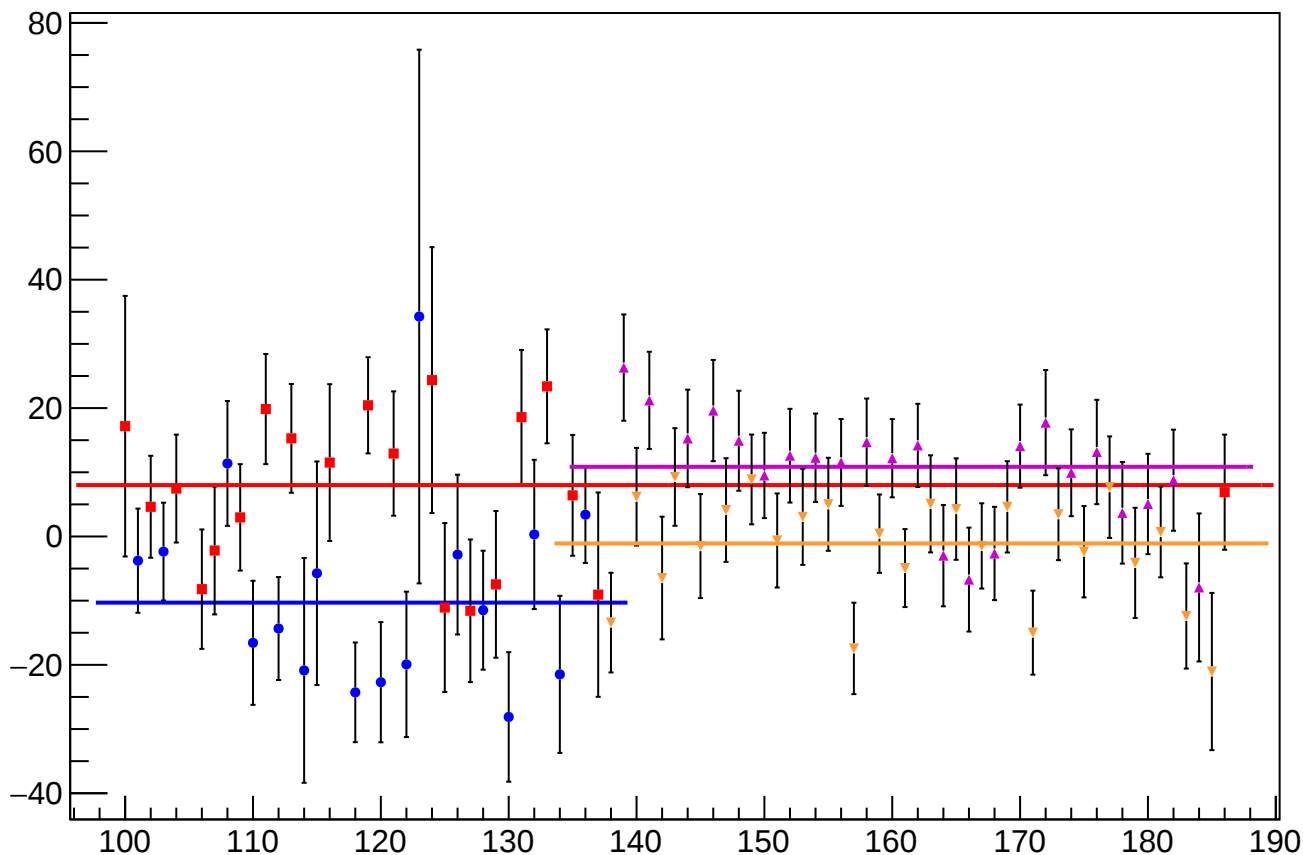
Left In: 1577.685 ± 0.271 χ^2/NDF : 625406.2/22

+ sign 1295.453 ± 0.189 χ^2/NDF : 3229874.5/41

All: 1300.516 ± 0.134 χ^2/NDF : 6230135.6/84

- sign 1305.696 ± 0.191 χ^2/NDF : 2998811.2/42

diff_bpm0l05X_mean vs Slug



Right In: -10.305 ± 2.412 $\chi^2/\text{NDF}: 23.2/16$

Left Out: -1.083 ± 1.487 $\chi^2/\text{NDF}: 27.5/24$

Right Out: 8.007 ± 2.210 $\chi^2/\text{NDF}: 23.5/19$

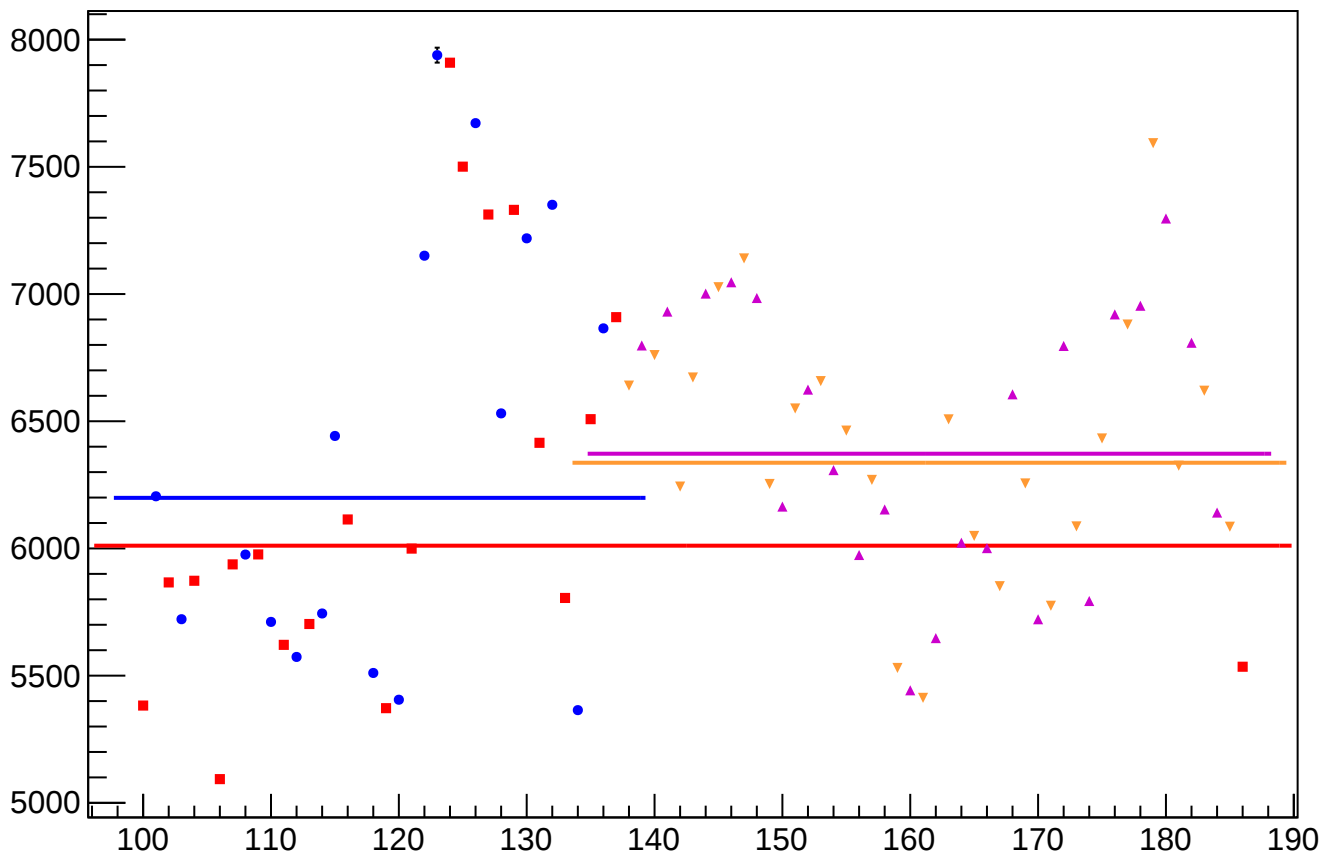
Left In: 10.851 ± 1.542 $\chi^2/\text{NDF}: 24.4/22$

+ sign -3.624 ± 1.266 $\chi^2/\text{NDF}: 61.3/41$

All: 3.156 ± 0.895 $\chi^2/\text{NDF}: 167.5/84$

- sign 9.920 ± 1.264 $\chi^2/\text{NDF}: 48.9/42$

diff_bpm0l05X_rms vs Slug



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

Left Out: 6336.876+/-1.052 χ^2/NDF : 222912.5/24

Right Out: 6010.865+/-1.563 χ^2/NDF : 162378.3/19

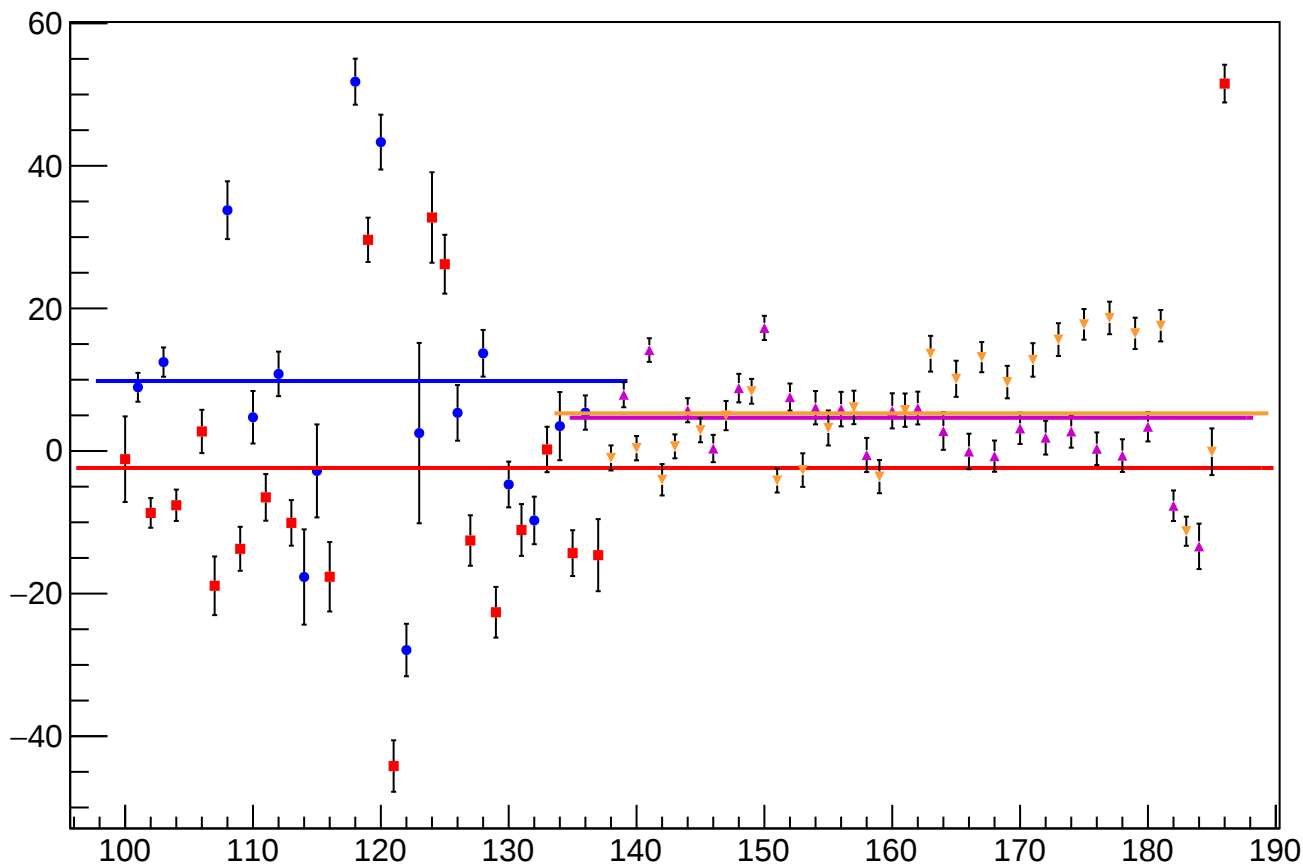
Left In: 6372.349+/-1.090 χ^2/NDF : 247257.0/22

+ sign 6298.858+/-0.895 χ^2/NDF : 398962.8/41

All: 6276.431+/-0.633 χ^2/NDF : 845838.0/84

- sign 6254.052+/-0.894 χ^2/NDF : 445620.9/42

diff_bpm0l05Y_mean vs Slug



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

Left Out: 5.284 ± 0.421 χ^2/NDF : 366.1/24

Right Out: -2.377 ± 0.736 χ^2/NDF : 865.1/19

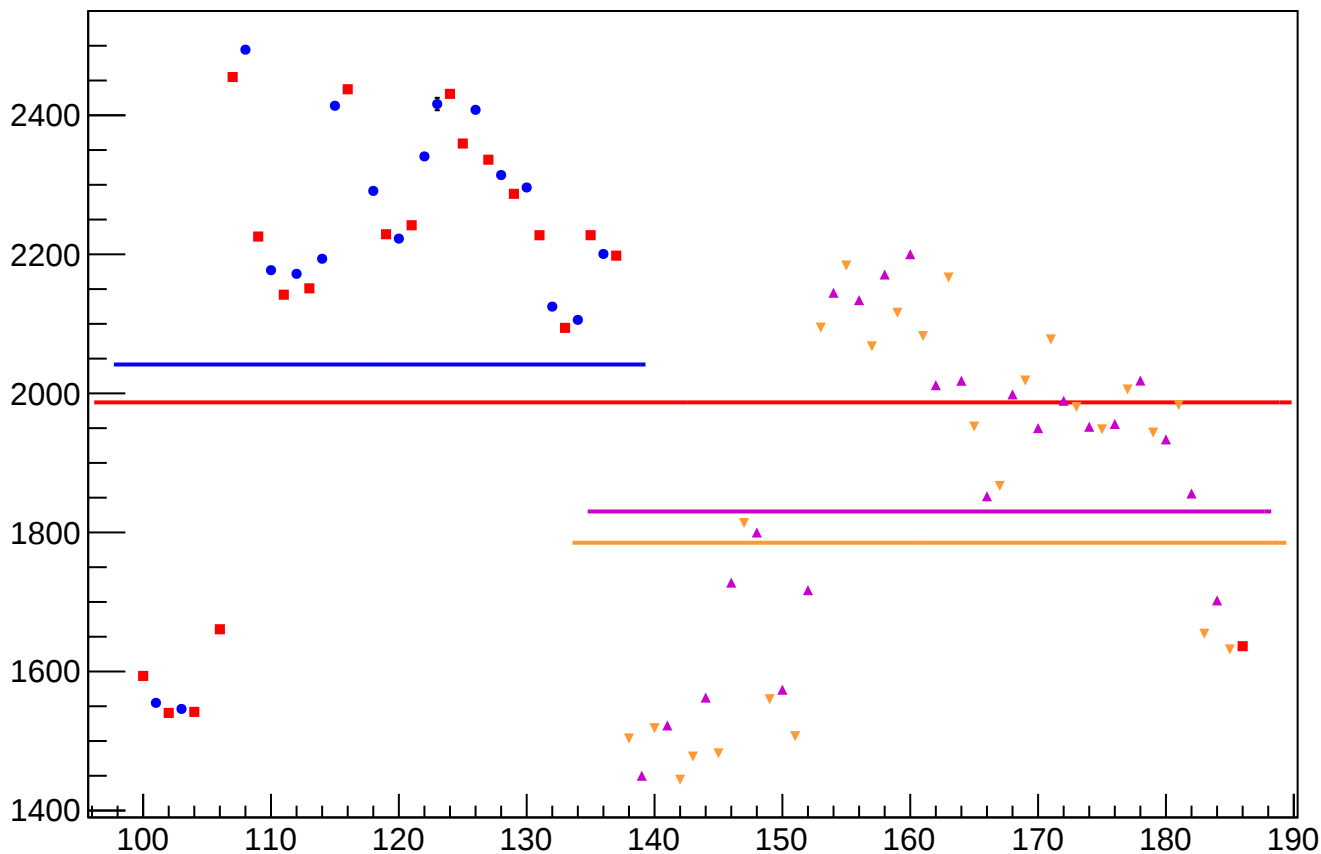
Left In: 4.657 ± 0.443 χ^2/NDF : 196.5/22

+ sign 6.270 ± 0.372 χ^2/NDF : 864.0/41

All: 4.562 ± 0.266 χ^2/NDF : 2035.7/84

- sign 2.783 ± 0.380 χ^2/NDF : 1128.7/42

diff_bpm0l05Y_rms vs Slug



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

Left Out: 1785.179 $\pm$ 0.297 χ^2 /NDF: 750628.1/24

Right Out: 1987.040 $\pm$ 0.520 χ^2 /NDF: 413226.9/19

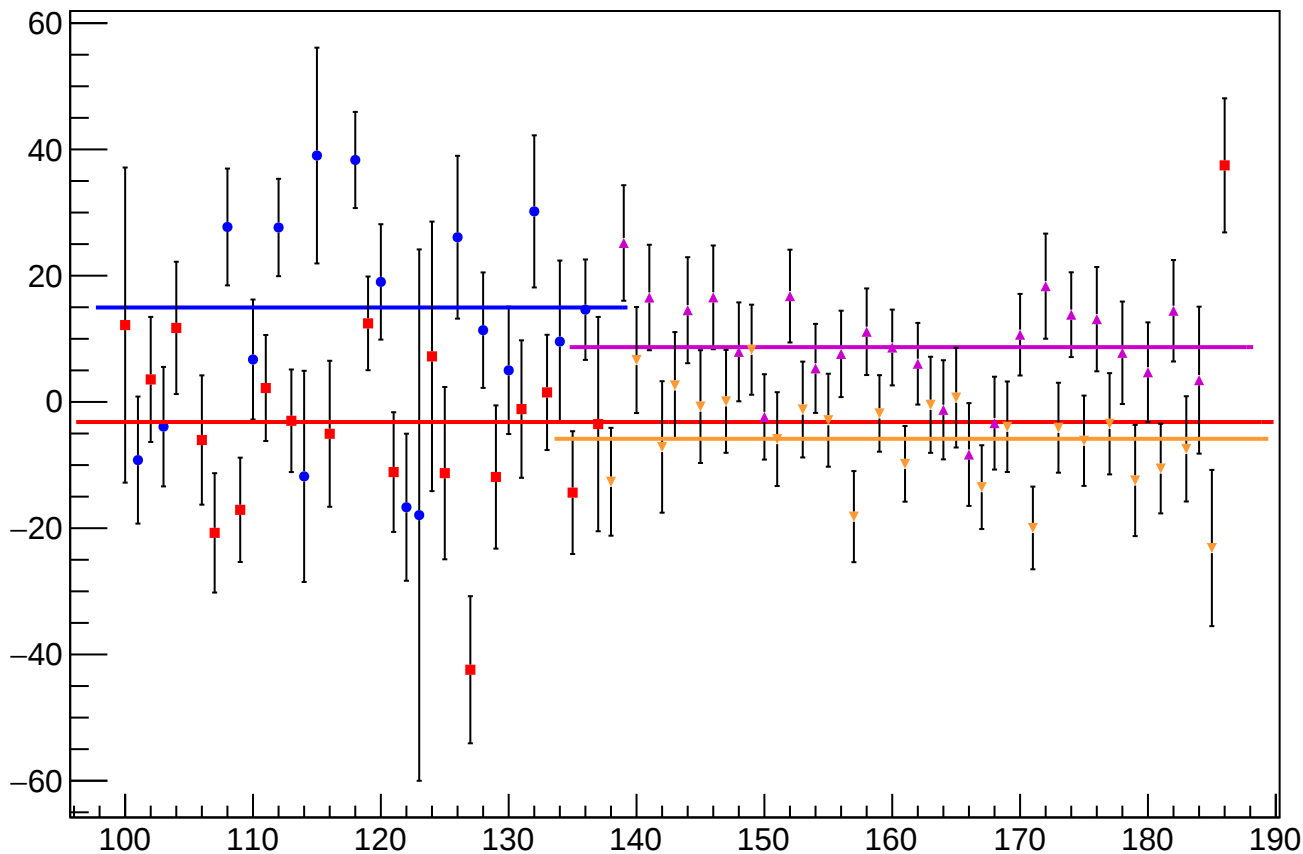
Left In: 1830.160 $\pm$ 0.313 χ^2 /NDF: 508391.9/22

+ sign 1840.934 $\pm$ 0.263 χ^2 /NDF: 1268382.7/41

All: 1856.134 $\pm$ 0.188 χ^2 /NDF: 2263538.0/84

- sign 1871.959 $\pm$ 0.268 χ^2 /NDF: 988345.0/42

diff_bpm0l06X_mean vs Slug



Right In: 14.961 ± 2.490 $\chi^2/\text{NDF}: 40.9/16$

Left Out: -5.840 ± 1.518 $\chi^2/\text{NDF}: 23.3/24$

Right Out: -3.181 ± 2.304 $\chi^2/\text{NDF}: 43.6/19$

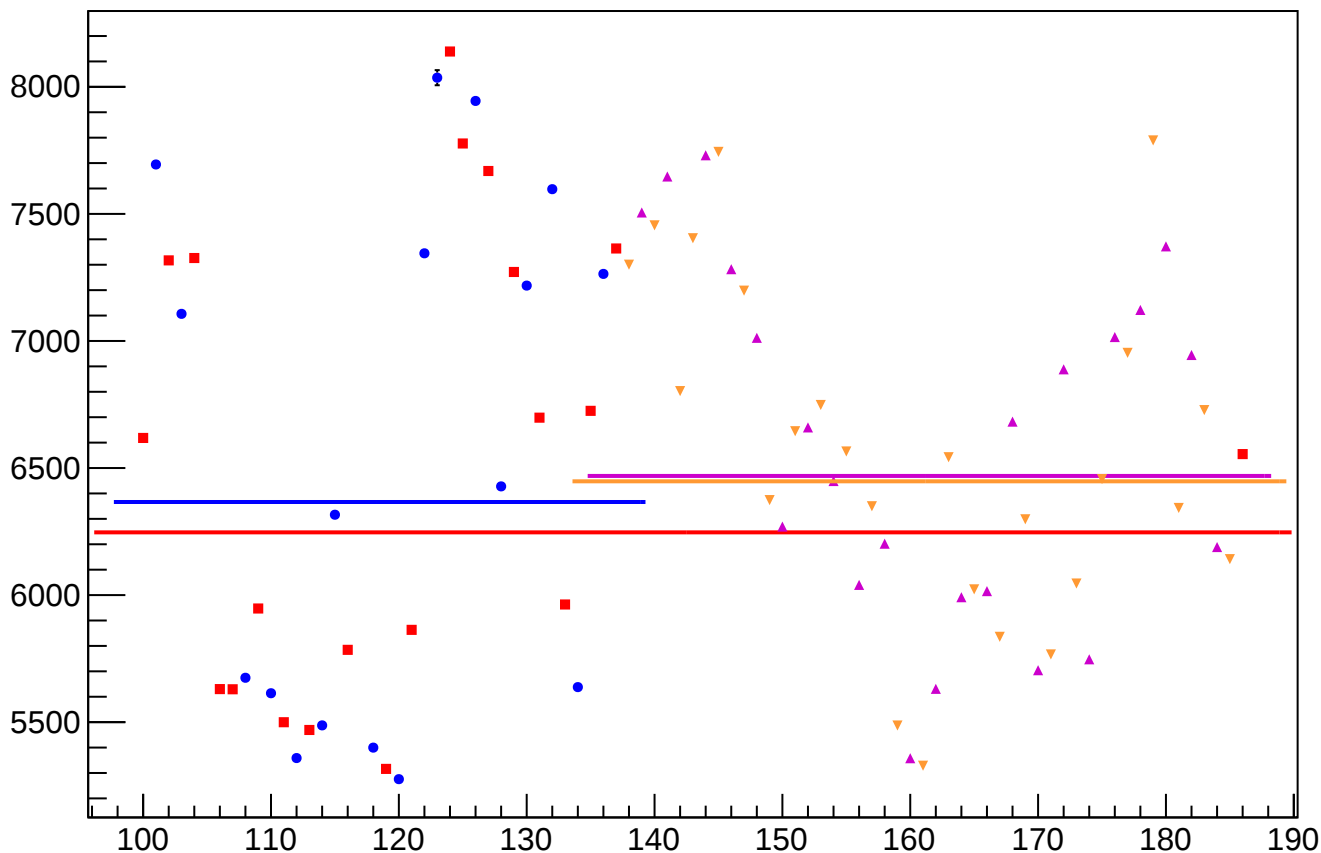
Left In: 8.683 ± 1.571 $\chi^2/\text{NDF}: 21.9/22$

+ sign -0.201 ± 1.296 $\chi^2/\text{NDF}: 115.1/41$

All: 2.356 ± 0.917 $\chi^2/\text{NDF}: 206.5/84$

- sign 4.918 ± 1.298 $\chi^2/\text{NDF}: 83.6/42$

diff_bpm0l06X_rms vs Slug



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

Left Out: 6447.712+/-1.074 χ^2/NDF : 371671.1/24

Right Out: 6246.858+/-1.629 χ^2/NDF : 243073.0/19

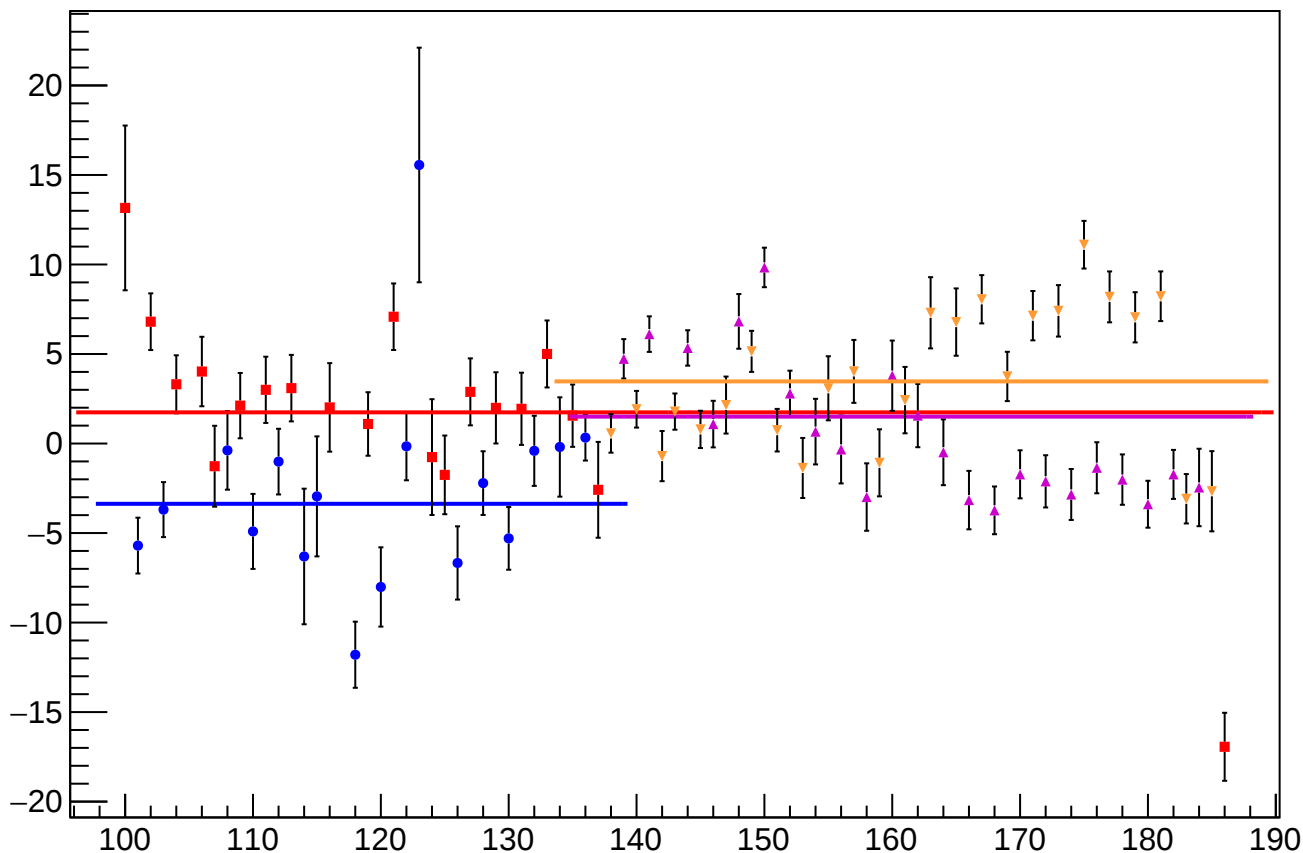
Left In: 6468.902+/-1.111 χ^2/NDF : 383325.4/22

+ sign 6425.653+/-0.917 χ^2/NDF : 658795.8/41

All: 6412.063+/-0.648 χ^2/NDF : 1298319.2/84

- sign 6398.443+/-0.918 χ^2/NDF : 639083.3/42

diff_bpm0l06Y_mean vs Slug



Right In: -3.367 ± 0.476 $\chi^2/\text{NDF}: 59.6/16$

Left Out: 3.470 ± 0.276 $\chi^2/\text{NDF}: 176.0/24$

Right Out: 1.741 ± 0.444 $\chi^2/\text{NDF}: 135.8/19$

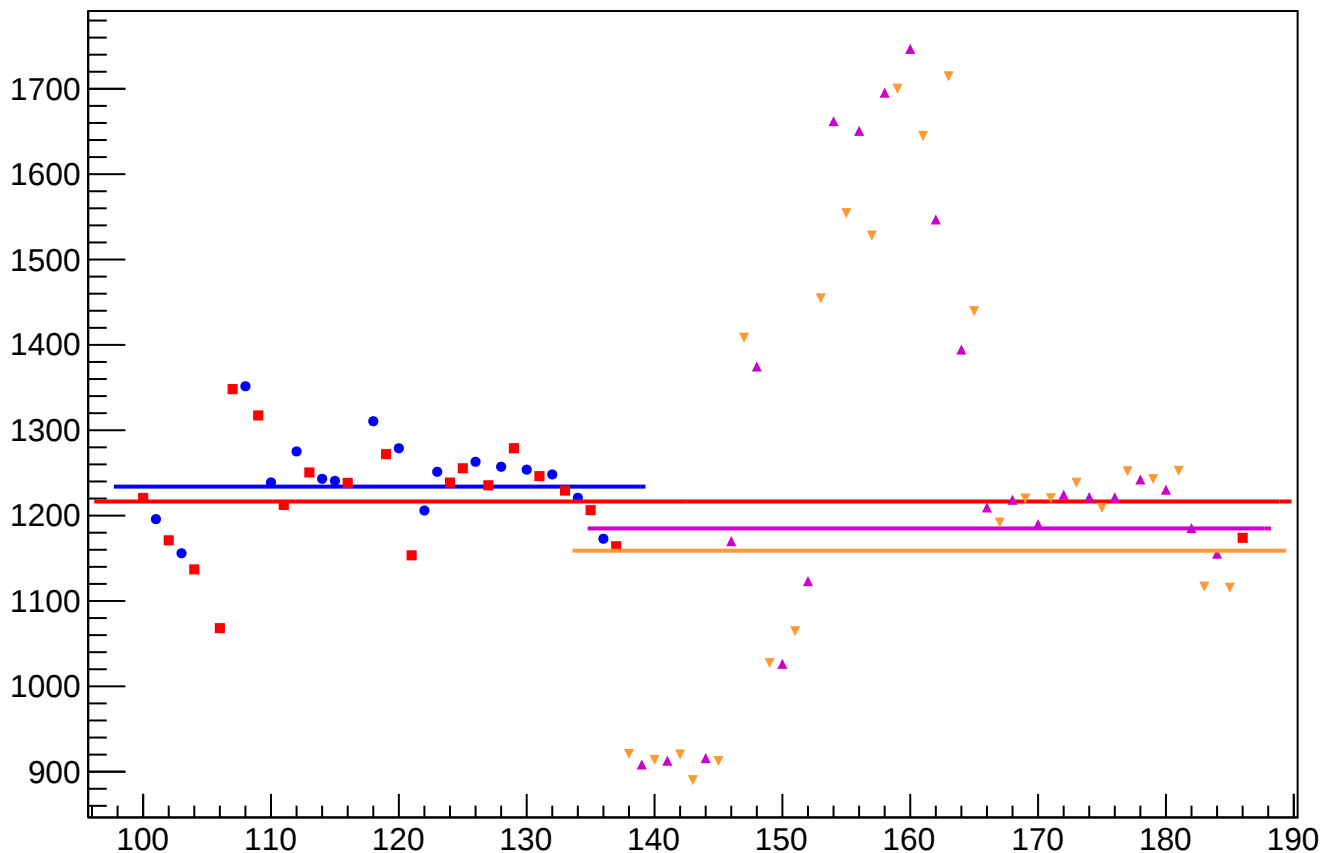
Left In: 1.502 ± 0.291 $\chi^2/\text{NDF}: 202.7/22$

+ sign 1.748 ± 0.239 $\chi^2/\text{NDF}: 389.7/41$

All: 1.663 ± 0.170 $\chi^2/\text{NDF}: 728.7/84$

- sign 1.574 ± 0.243 $\chi^2/\text{NDF}: 338.8/42$

diff_bpm0l06Y_rms vs Slug



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

Left Out: 1158.894 $\pm$ 0.195 χ^2 /NDF: 1410423.6/24

Right Out: 1216.522 $\pm$ 0.314 χ^2 /NDF: 41433.7/19

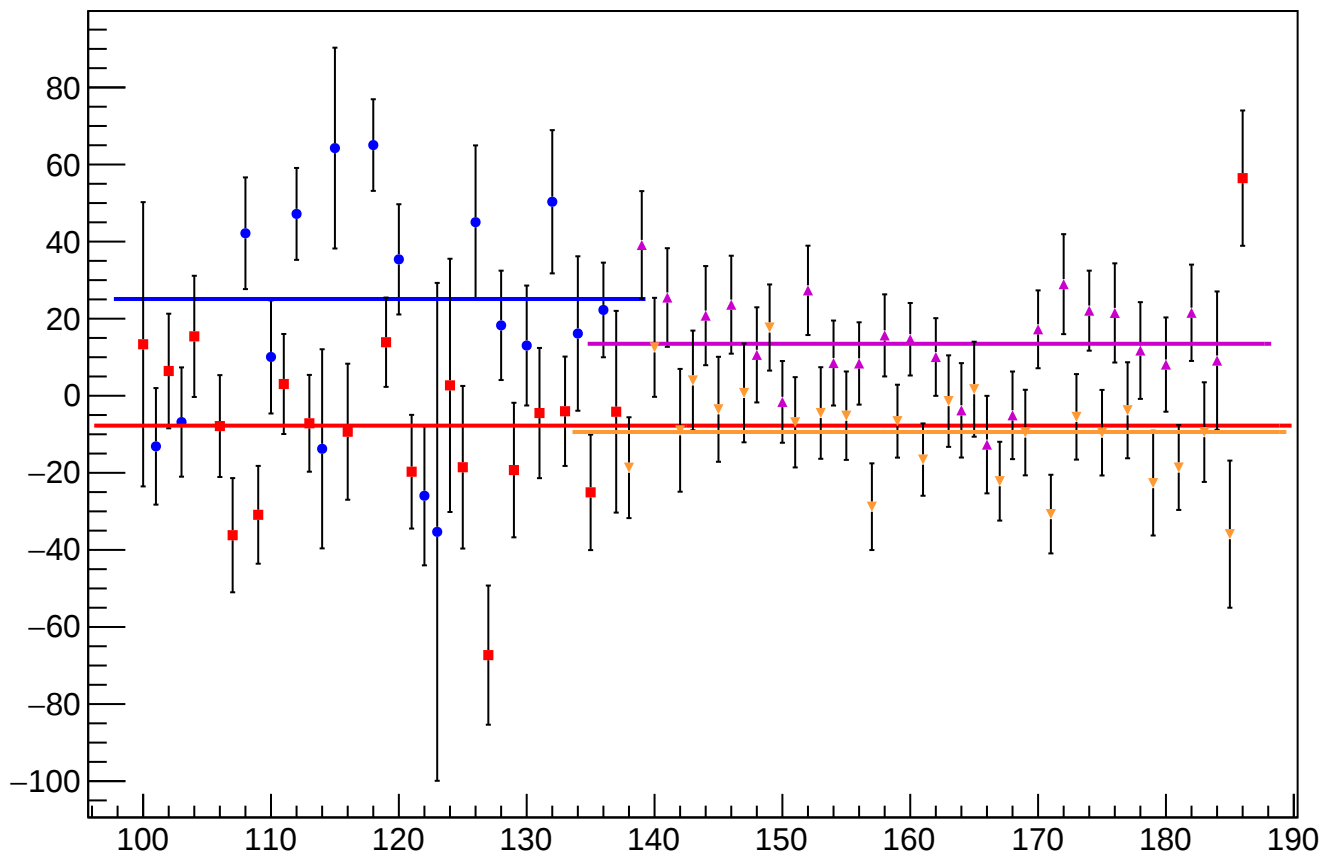
Left In: 1184.966 $\pm$ 0.206 χ^2 /NDF: 1190431.5/22

+ sign 1177.804 $\pm$ 0.169 χ^2 /NDF: 1471158.5/41

All: 1185.967 $\pm$ 0.121 χ^2 /NDF: 2714832.1/84

- sign 1194.418 $\pm$ 0.172 χ^2 /NDF: 1238927.2/42

diff_bpm0l07X_mean vs Slug



Right In: 25.108 $\pm$ 3.844 χ^2 /NDF: 46.5/16

Left Out: -9.398 $\pm$ 2.358 χ^2 /NDF: 26.3/24

Right Out: -7.751 $\pm$ 3.525 χ^2 /NDF: 41.8/19

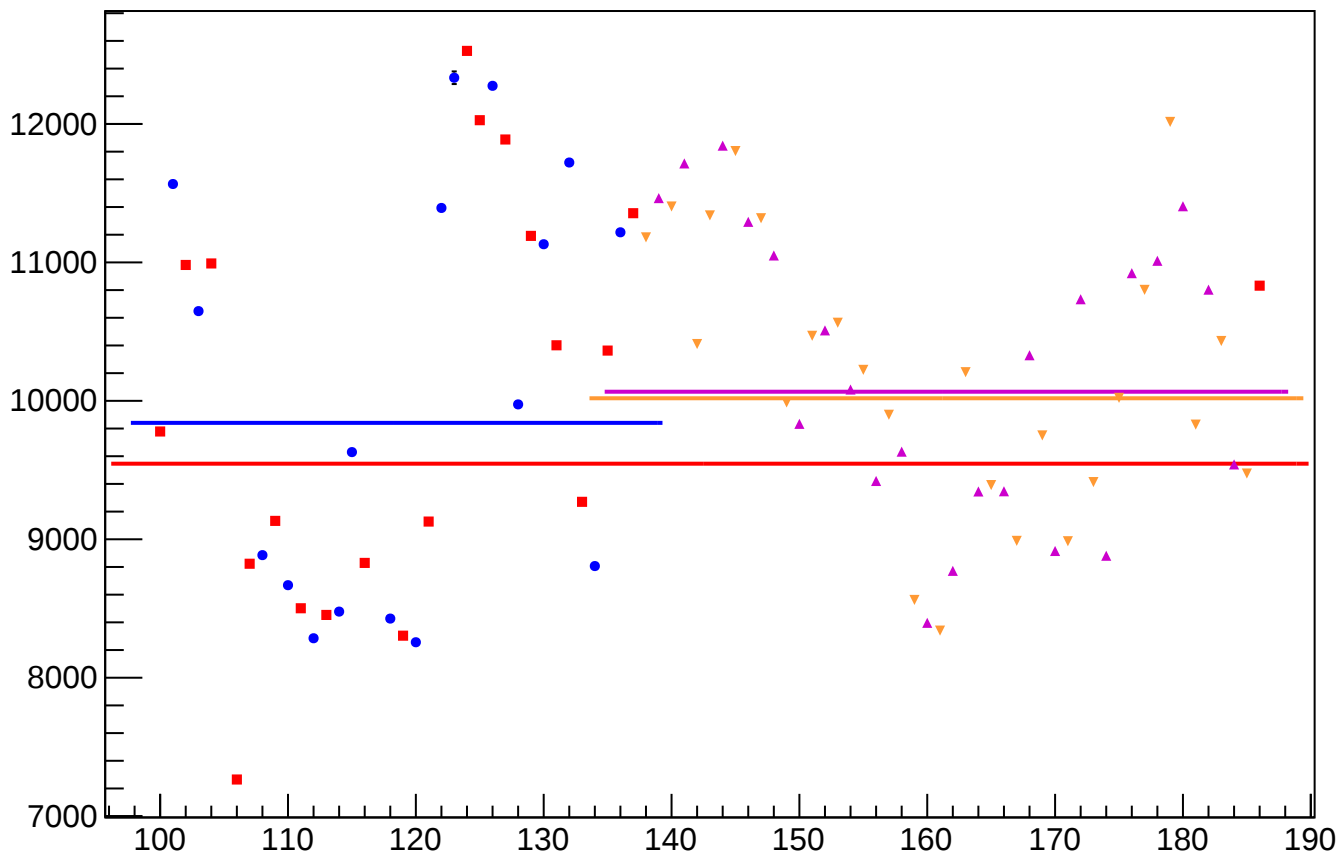
Left In: 13.485 $\pm$ 2.443 χ^2 /NDF: 21.6/22

+ sign 0.039 $\pm$ 2.010 χ^2 /NDF: 131.3/41

All: 3.321 $\pm$ 1.421 χ^2 /NDF: 224.5/84

- sign 6.595 $\pm$ 2.008 χ^2 /NDF: 87.9/42

diff_bpm0l07X_rms vs Slug



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

Left Out: 10018.563+/-1.668 χ^2/NDF : 344534.6/24

Right Out: 9546.034+/-2.493 χ^2/NDF : 285765.5/19

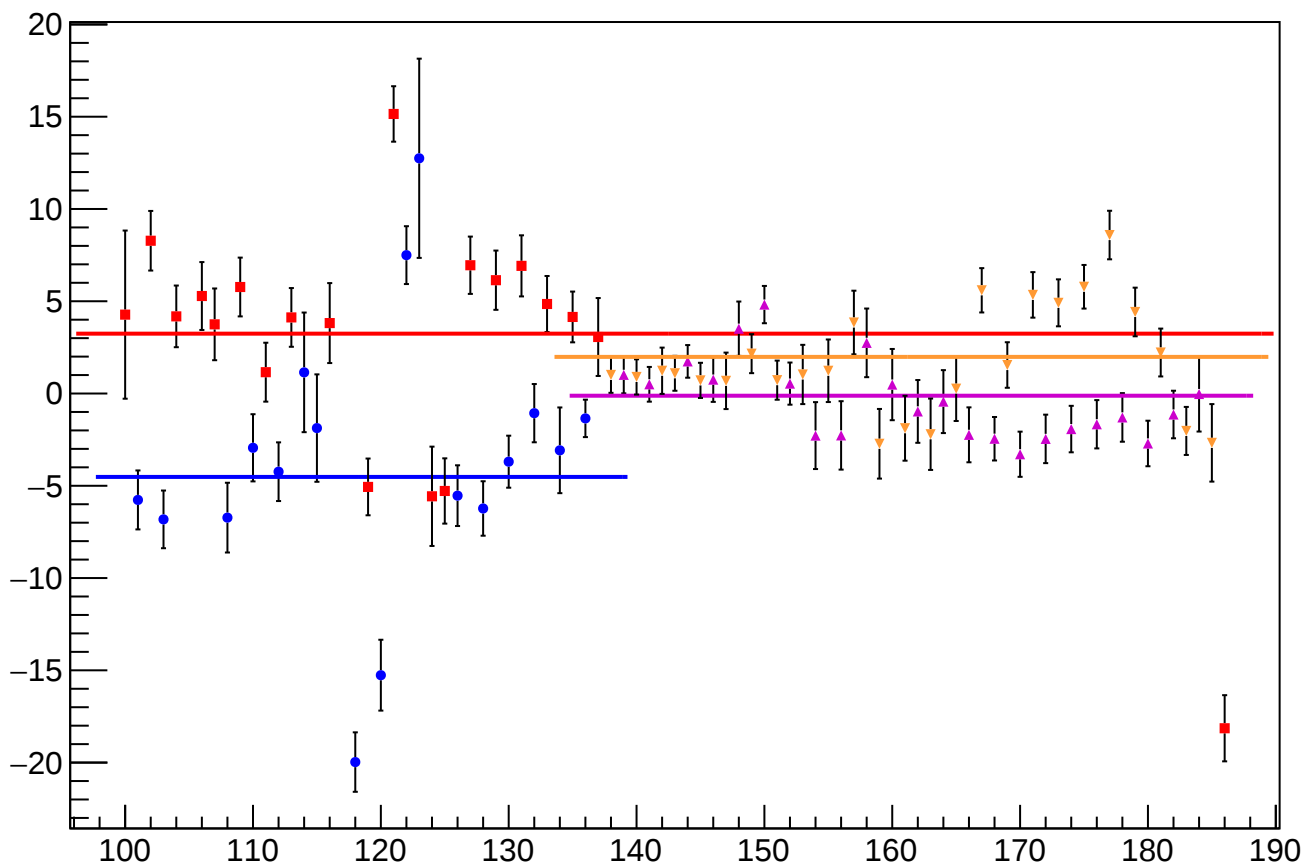
Left In: 10065.909+/-1.727 χ^2/NDF : 357868.9/22

+ sign 9969.993+/-1.421 χ^2/NDF : 606742.9/41

All: 9933.573+/-1.005 χ^2/NDF : 1281077.0/84

- sign 9897.242+/-1.420 χ^2/NDF : 673022.8/42

diff_bpm0l07Y_mean vs Slug



Right In: -4.520 ± 0.409 $\chi^2/\text{NDF}: 218.2/16$

Left Out: 1.985 ± 0.255 $\chi^2/\text{NDF}: 101.2/24$

Right Out: 3.244 ± 0.385 $\chi^2/\text{NDF}: 299.6/19$

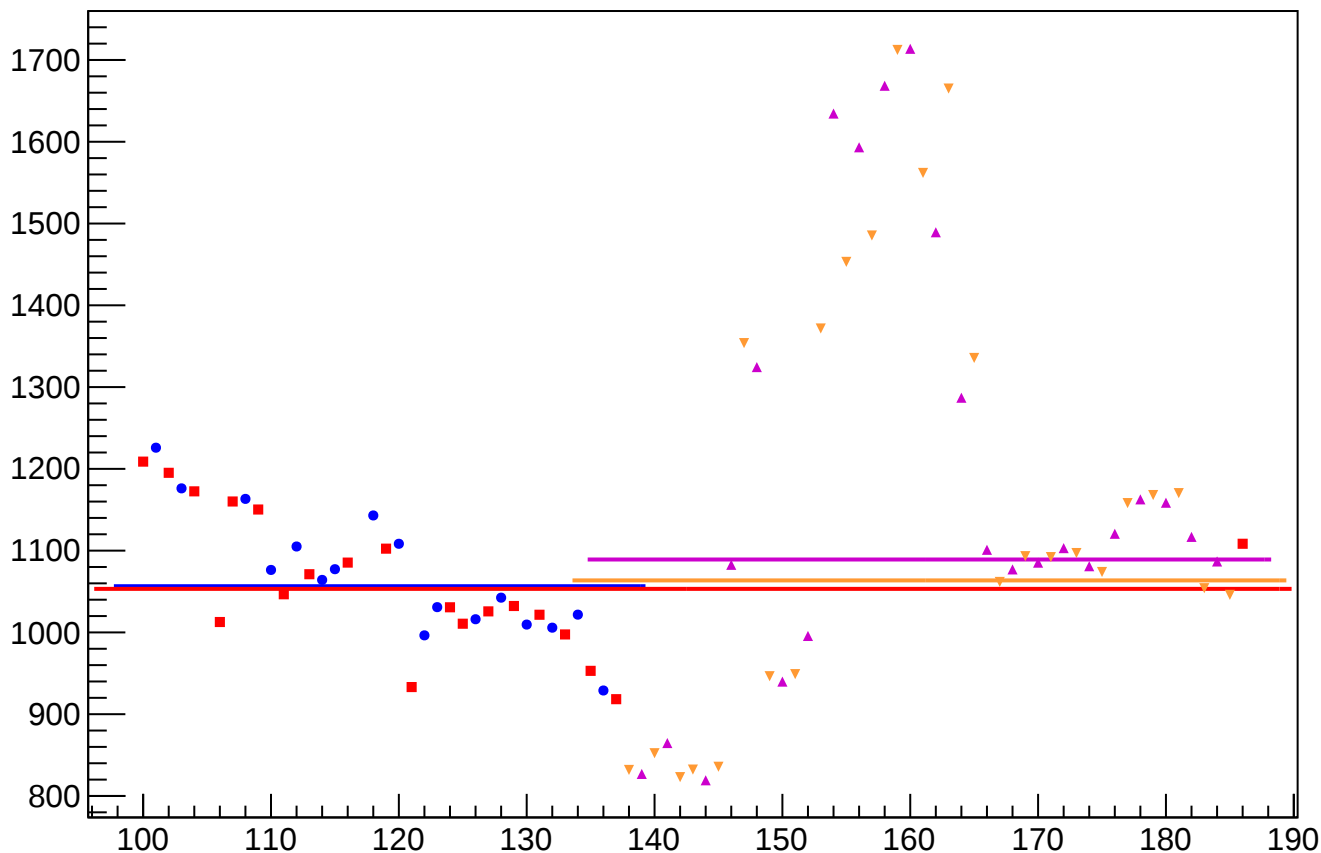
Left In: -0.120 ± 0.269 $\chi^2/\text{NDF}: 67.6/22$

+ sign 0.165 ± 0.216 $\chi^2/\text{NDF}: 501.6/41$

All: 0.565 ± 0.154 $\chi^2/\text{NDF}: 927.0/84$

- sign 0.981 ± 0.220 $\chi^2/\text{NDF}: 418.4/42$

diff_bpm0l07Y_rms vs Slug



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

Left Out: 1063.600+/-0.180 χ^2/NDF : 1617376.3/24

Right Out: 1053.250+/-0.273 χ^2/NDF : 84313.3/19

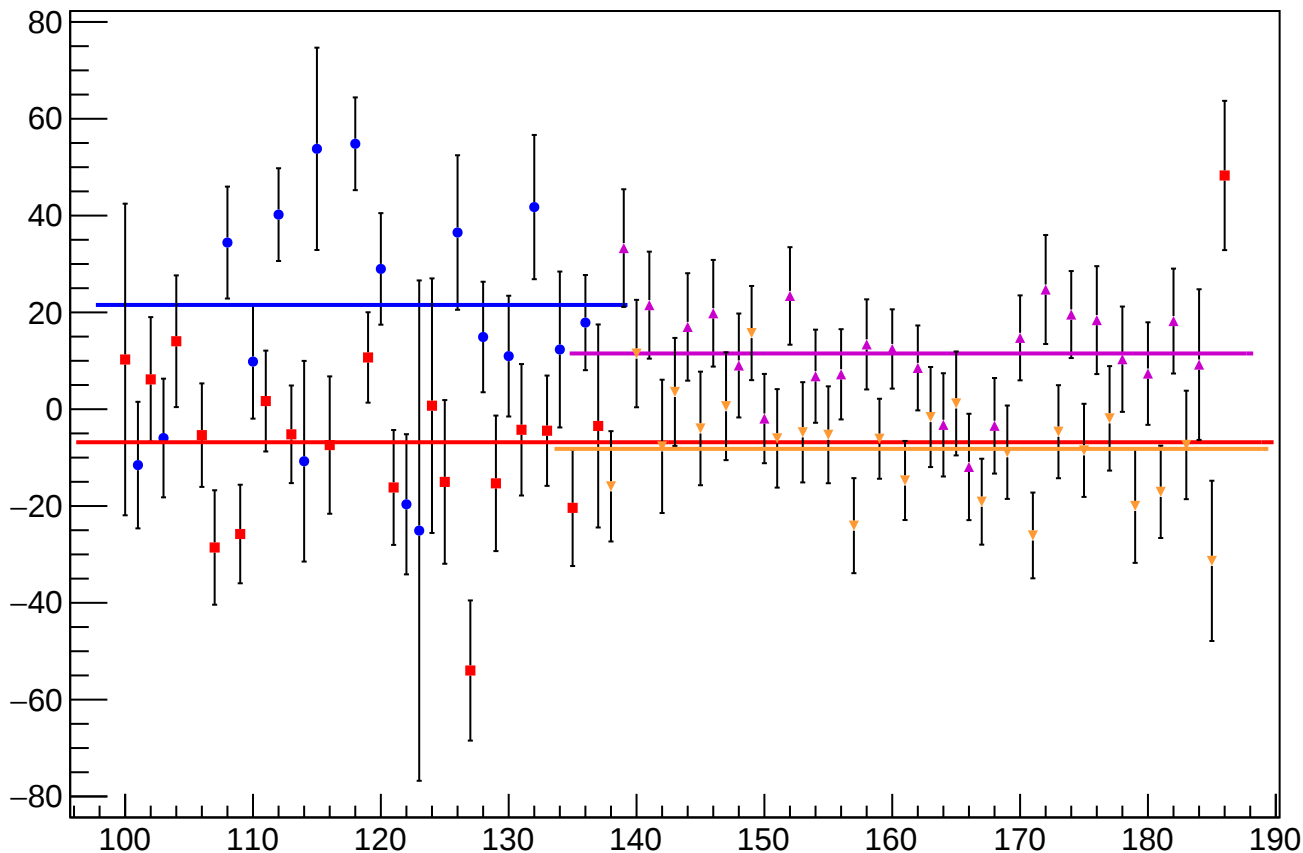
Left In: 1089.154+/-0.190 χ^2/NDF : 1430478.5/22

+ sign 1061.613+/-0.153 χ^2/NDF : 1708570.9/41

All: 1069.361+/-0.109 χ^2/NDF : 3240278.2/84

- sign 1077.410+/-0.156 χ^2/NDF : 1526472.6/42

diff_bpm0l08X_mean vs Slug



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

Left Out: -8.195 $\pm$ 2.049 χ^2 /NDF: 26.2/24

Right Out: -6.823 $\pm$ 2.864 χ^2 /NDF: 40.8/19

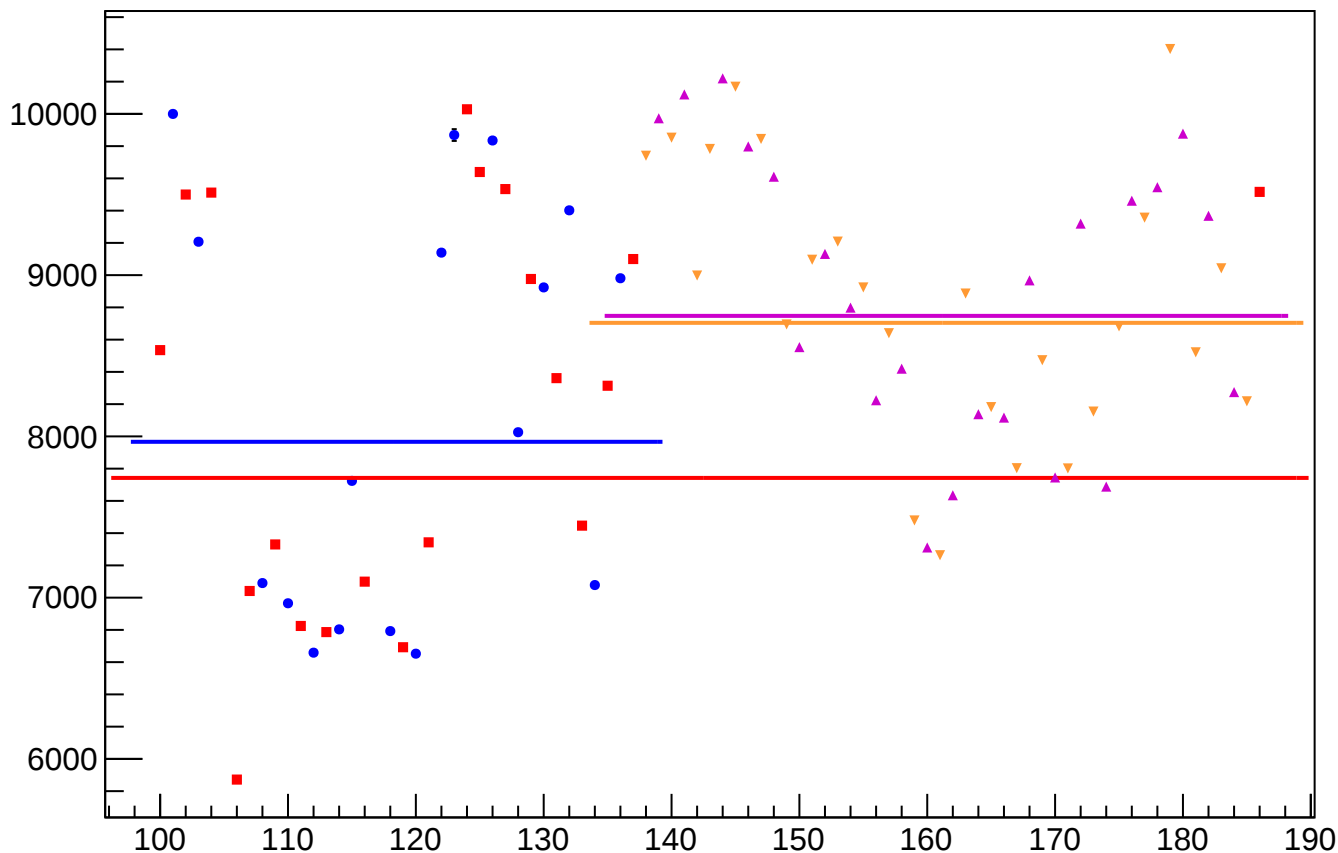
Left In: 11.515 $\pm$ 2.122 χ^2 /NDF: 21.0/22

+ sign 0.780 $\pm$ 1.712 χ^2 /NDF: 137.6/41

All: 2.906 $\pm$ 1.208 χ^2 /NDF: 229.0/84

- sign 5.015 $\pm$ 1.705 χ^2 /NDF: 88.3/42

diff_bpm0l08X_rms vs Slug



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

Left Out: 8704.193+/-1.449 χ^2/NDF : 332364.3/24

Right Out: 7742.517+/-2.025 χ^2/NDF : 340463.1/19

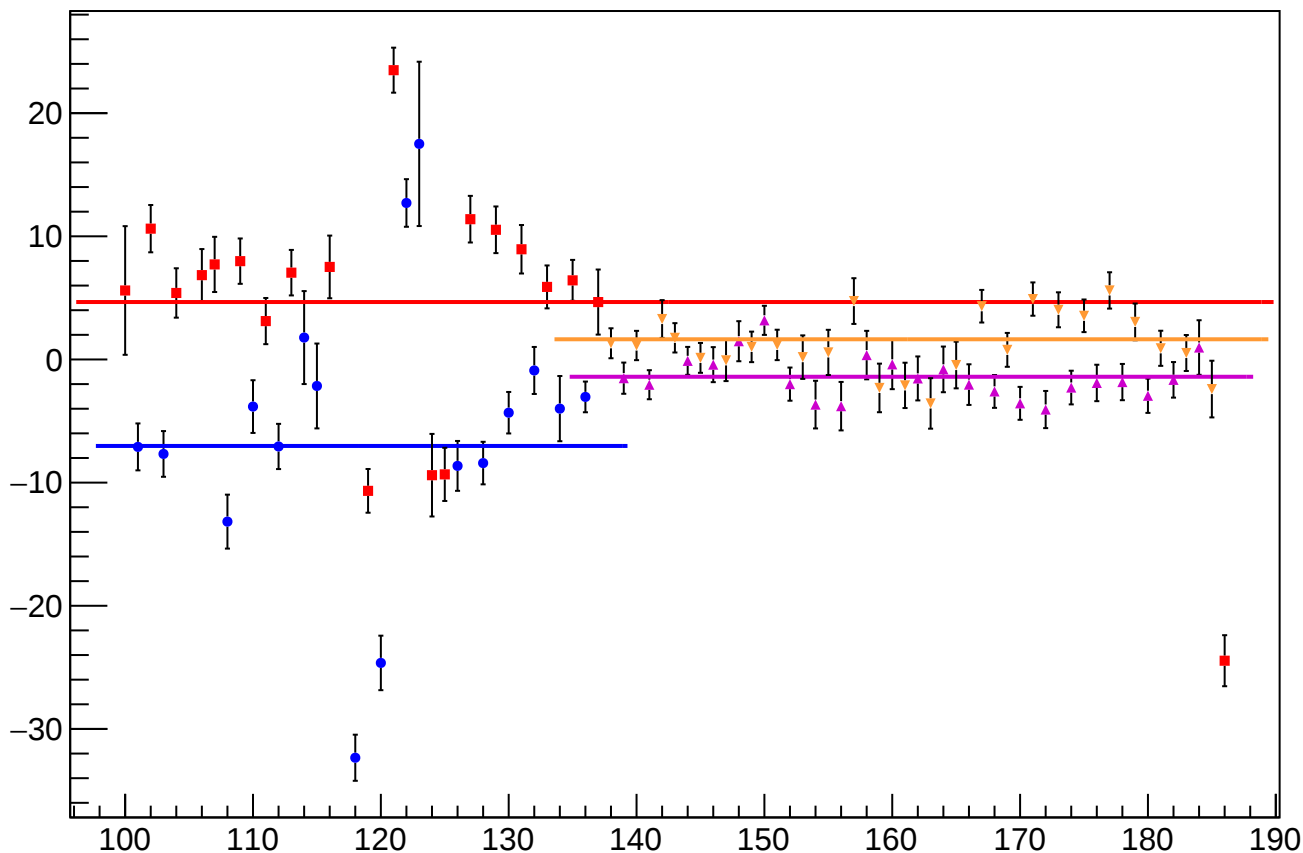
Left In: 8747.415+/-1.501 χ^2/NDF : 347110.4/22

+ sign 8481.529+/-1.210 χ^2/NDF : 706304.1/41

All: 8436.201+/-0.854 χ^2/NDF : 1555601.5/84

- sign 8391.221+/-1.206 χ^2/NDF : 846503.4/42

diff_bpm0l08Y_mean vs Slug



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

Left Out: 1.639 ± 0.294 χ^2/NDF : 51.3/24

Right Out: 4.664 ± 0.456 χ^2/NDF : 486.0/19

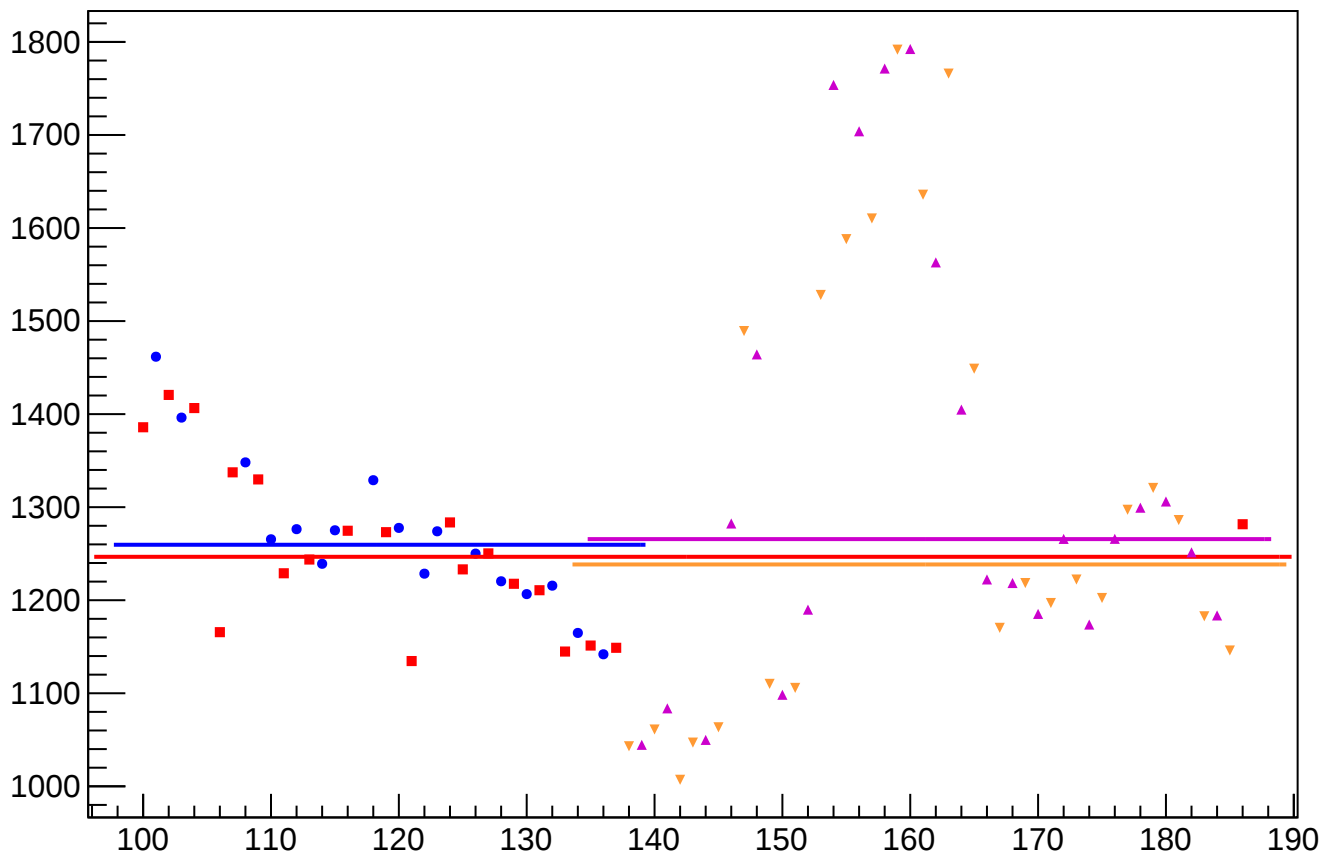
Left In: -1.404 ± 0.309 χ^2/NDF : 34.1/22

+ sign -0.669 ± 0.251 χ^2/NDF : 690.6/41

All: -0.092 ± 0.179 χ^2/NDF : 1342.8/84

- sign 0.505 ± 0.256 χ^2/NDF : 641.5/42

diff_bpm0l08Y_rms vs Slug



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

Left Out: 1238.437 $\pm$ 0.208 χ^2 /NDF: 965173.0/24

Right Out: 1246.656 $\pm$ 0.322 χ^2 /NDF: 67419.6/19

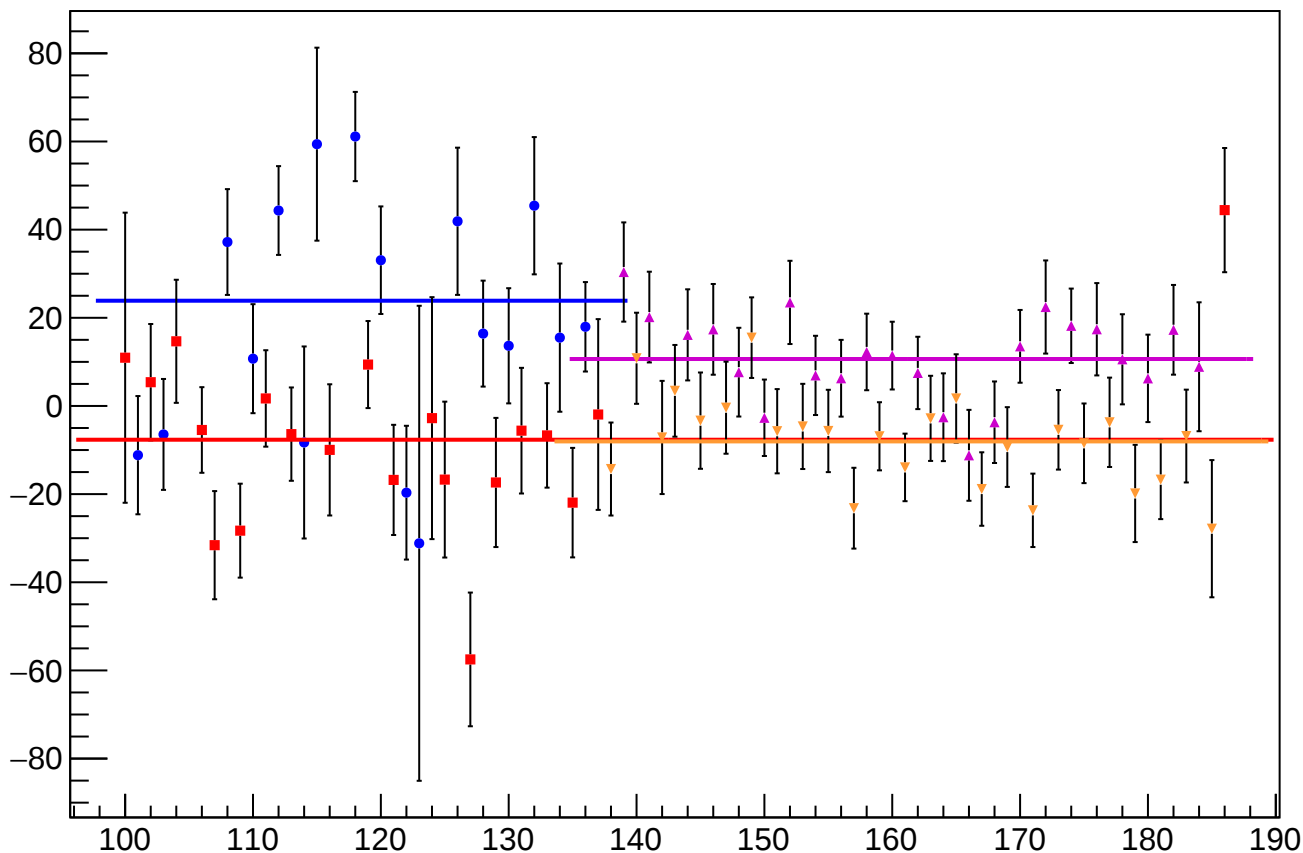
Left In: 1265.673 $\pm$ 0.218 χ^2 /NDF: 845157.0/22

+ sign 1244.078 $\pm$ 0.178 χ^2 /NDF: 1032759.8/41

All: 1251.750 $\pm$ 0.127 χ^2 /NDF: 1951508.9/84

- sign 1259.689 $\pm$ 0.181 χ^2 /NDF: 914960.6/42

diff_bpm0l09X_mean vs Slug



Right In: 23.876 ± 3.256 χ^2/NDF : 52.0/16

Left Out: -8.042 ± 1.918 χ^2/NDF : 26.3/24

Right Out: -7.661 ± 2.942 χ^2/NDF : 42.4/19

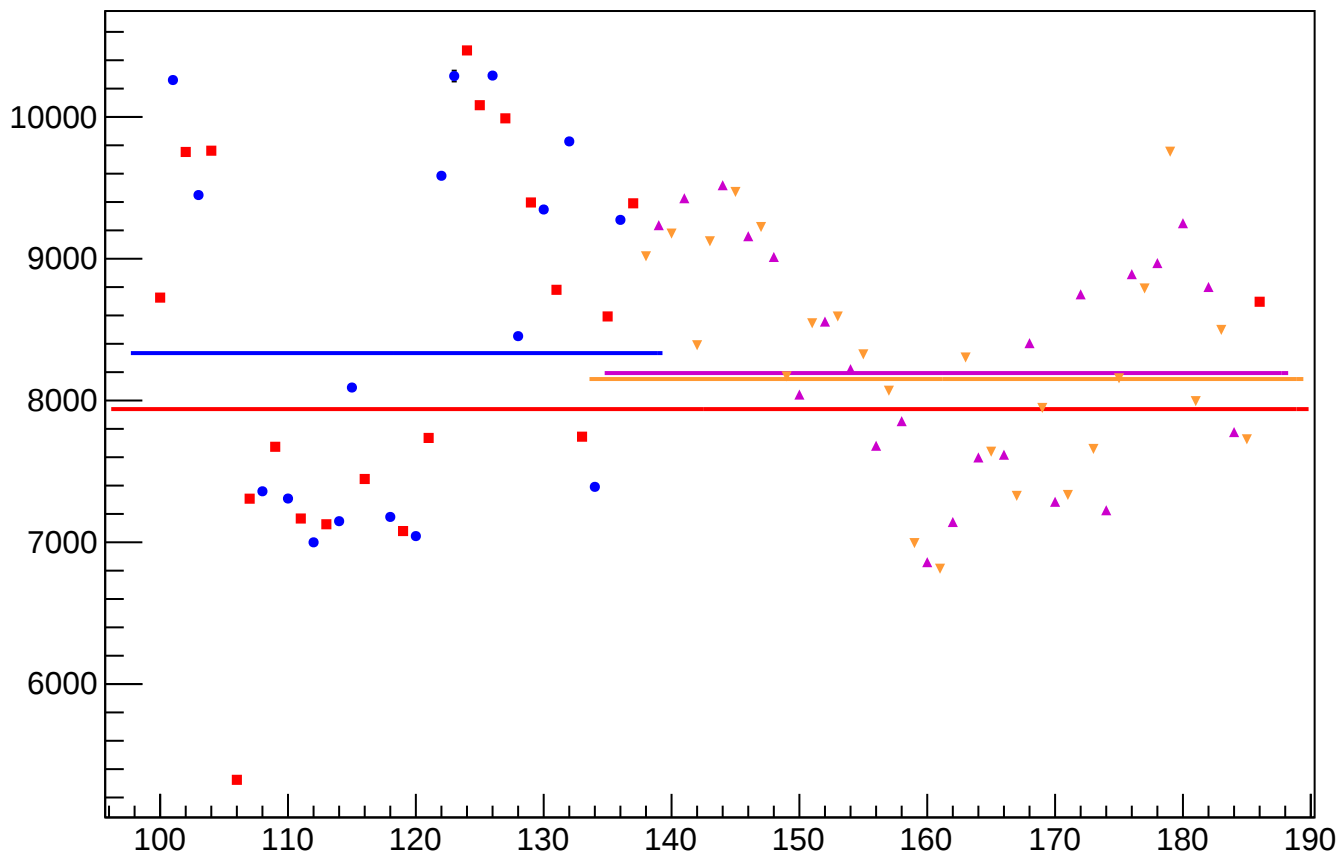
Left In: 10.653 ± 1.988 χ^2/NDF : 21.4/22

+ sign 0.180 ± 1.653 χ^2/NDF : 149.6/41

All: 2.555 ± 1.167 χ^2/NDF : 244.1/84

- sign 4.914 ± 1.647 χ^2/NDF : 90.4/42

diff_bpm0l09X_rms vs Slug



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

Left Out: 8151.489+/-1.356 χ^2/NDF : 321803.3/24

Right Out: 7939.506+/-2.081 χ^2/NDF : 394635.0/19

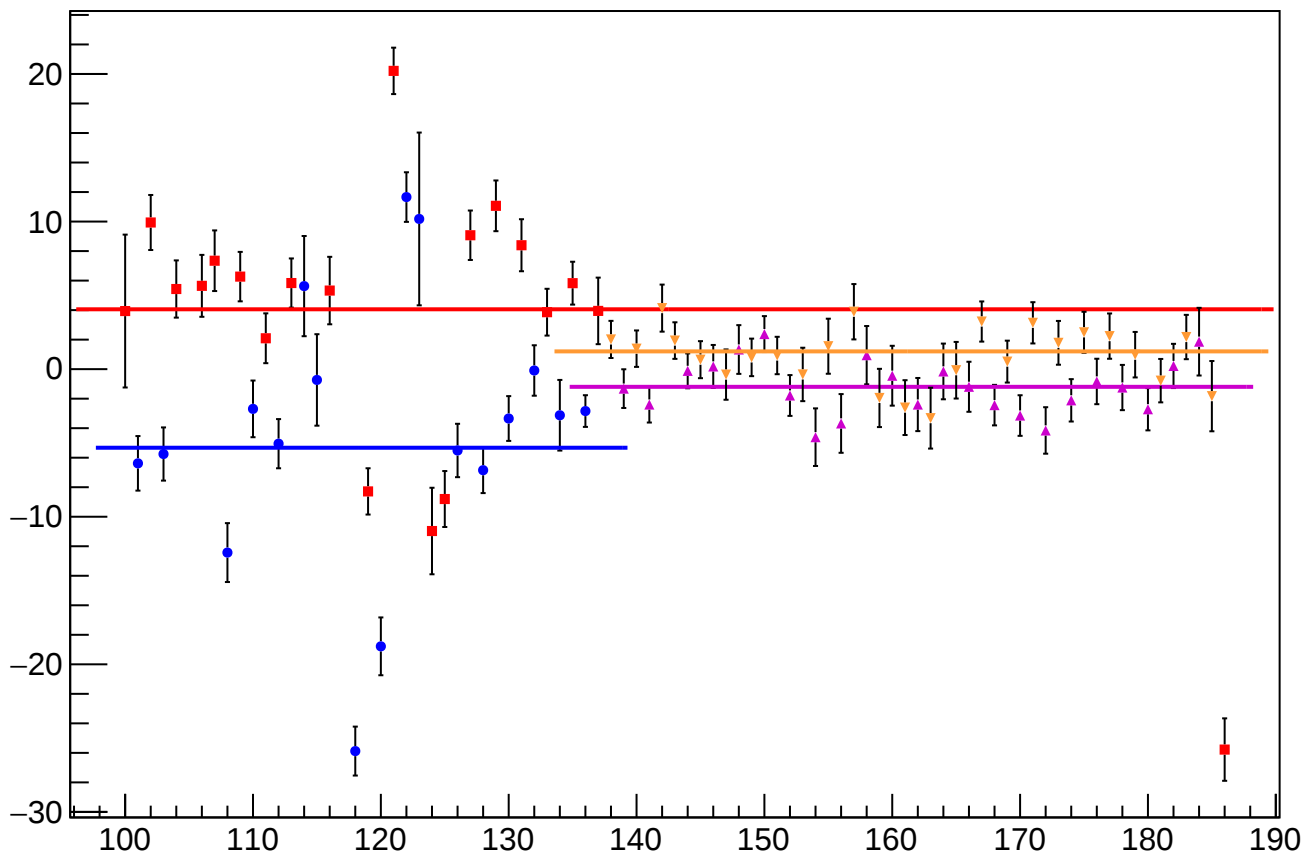
Left In: 8193.636+/-1.405 χ^2/NDF : 338377.6/22

+ sign 8198.617+/-1.169 χ^2/NDF : 597856.2/41

All: 8156.166+/-0.825 χ^2/NDF : 1343743.6/84

- sign 8114.008+/-1.165 χ^2/NDF : 743257.5/42

diff_bpm0l09Y_mean vs Slug



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

Left Out: 1.203 ± 0.302 χ^2/NDF : 29.9/24

Right Out: 4.056 ± 0.414 χ^2/NDF : 489.9/19

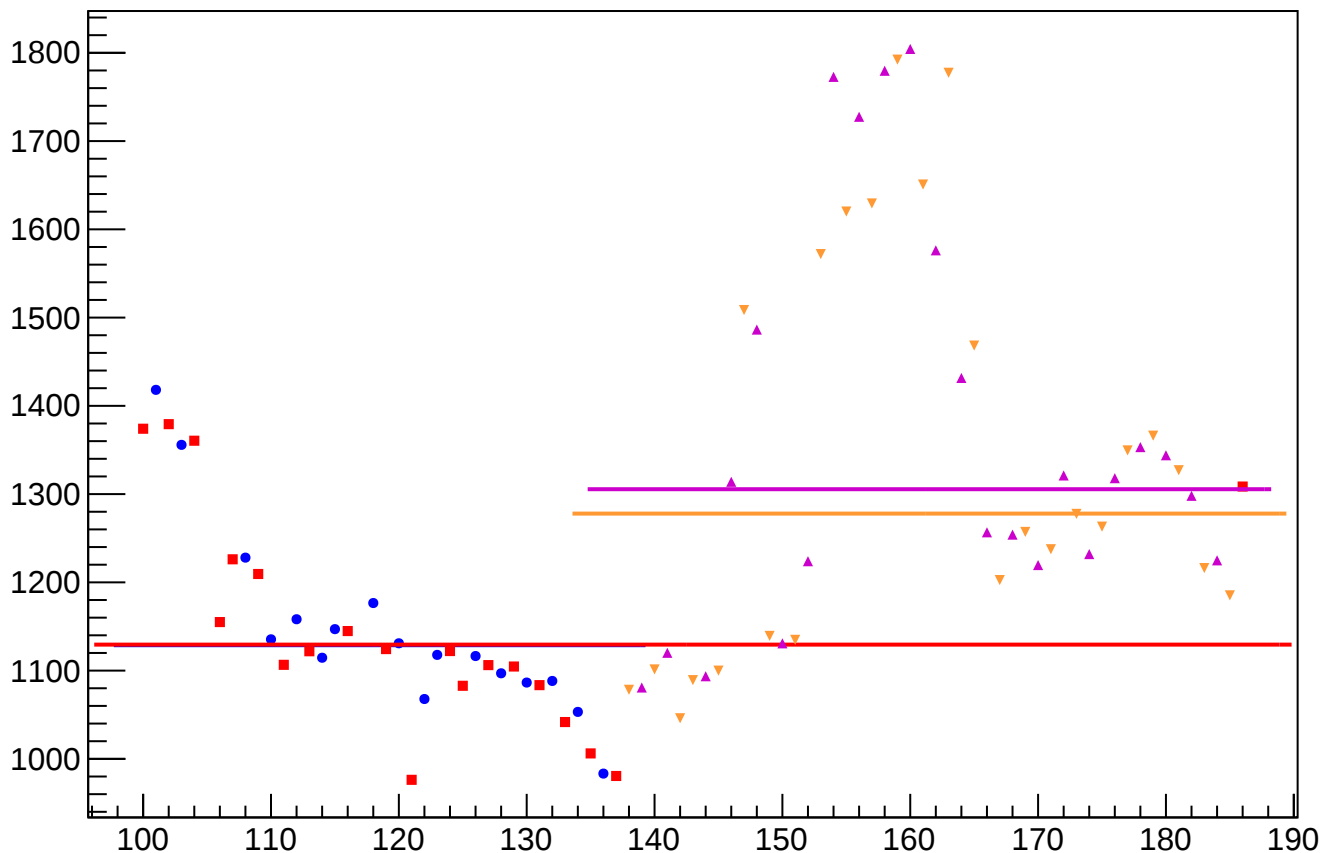
Left In: -1.198 ± 0.318 χ^2/NDF : 31.2/22

+ sign -0.907 ± 0.249 χ^2/NDF : 536.4/41

All: -0.089 ± 0.177 χ^2/NDF : 1180.5/84

- sign 0.752 ± 0.252 χ^2/NDF : 622.2/42

diff_bpm0l09Y_rms vs Slug



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

Left Out: 1277.916 $\pm$ 0.214 χ^2 /NDF: 878127.9/24

Right Out: 1129.445 $\pm$ 0.293 χ^2 /NDF: 144513.4/19

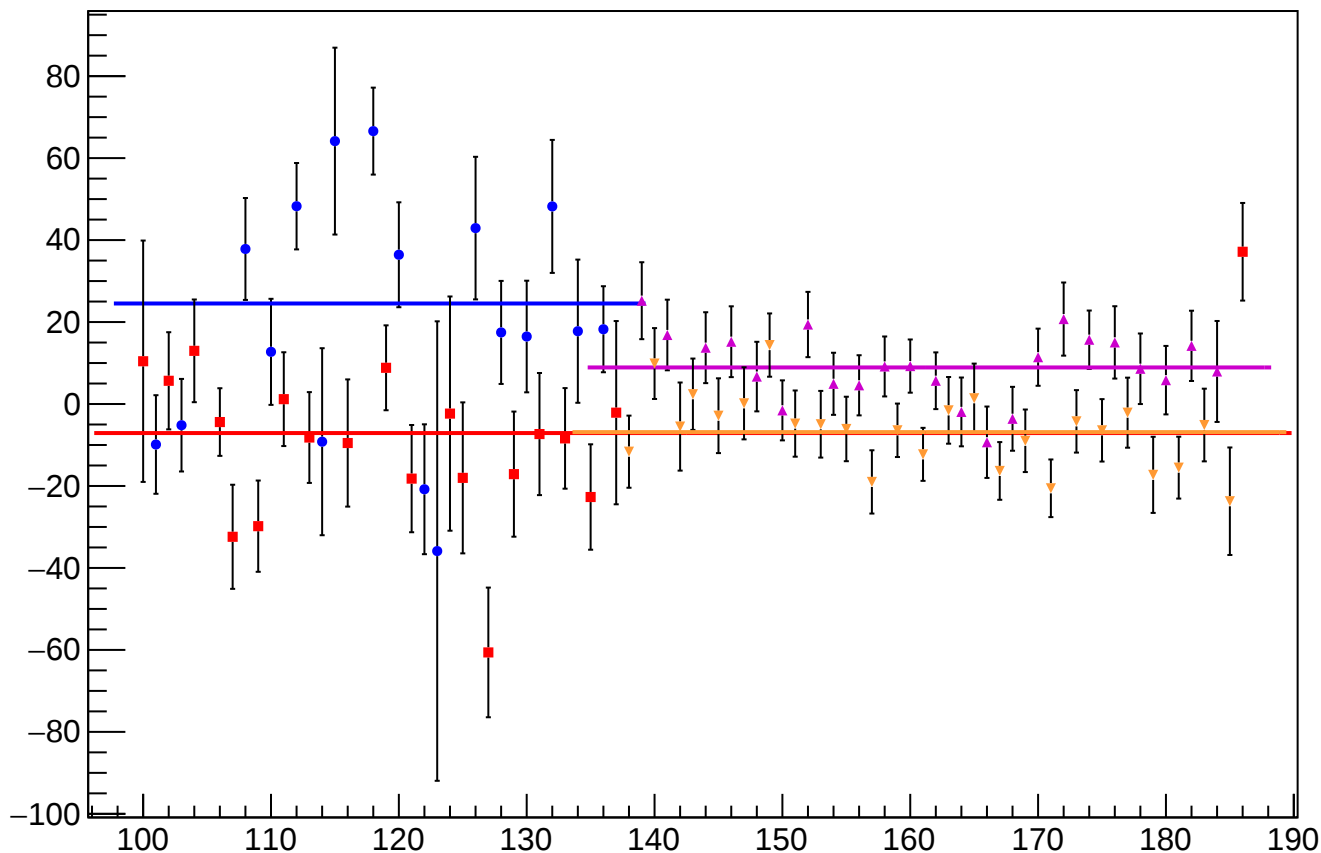
Left In: 1305.541 $\pm$ 0.225 χ^2 /NDF: 760450.8/22

+ sign 1229.718 $\pm$ 0.176 χ^2 /NDF: 1168354.5/41

All: 1234.885 $\pm$ 0.125 χ^2 /NDF: 2302427.7/84

- sign 1240.200 $\pm$ 0.178 χ^2 /NDF: 1132323.1/42

diff_bpm0l10X_mean vs Slug



Right In: 24.527 ± 3.324 χ^2/NDF : 57.7/16

Left Out: -6.854 ± 1.616 χ^2/NDF : 28.7/24

Right Out: -7.086 ± 2.919 χ^2/NDF : 43.5/19

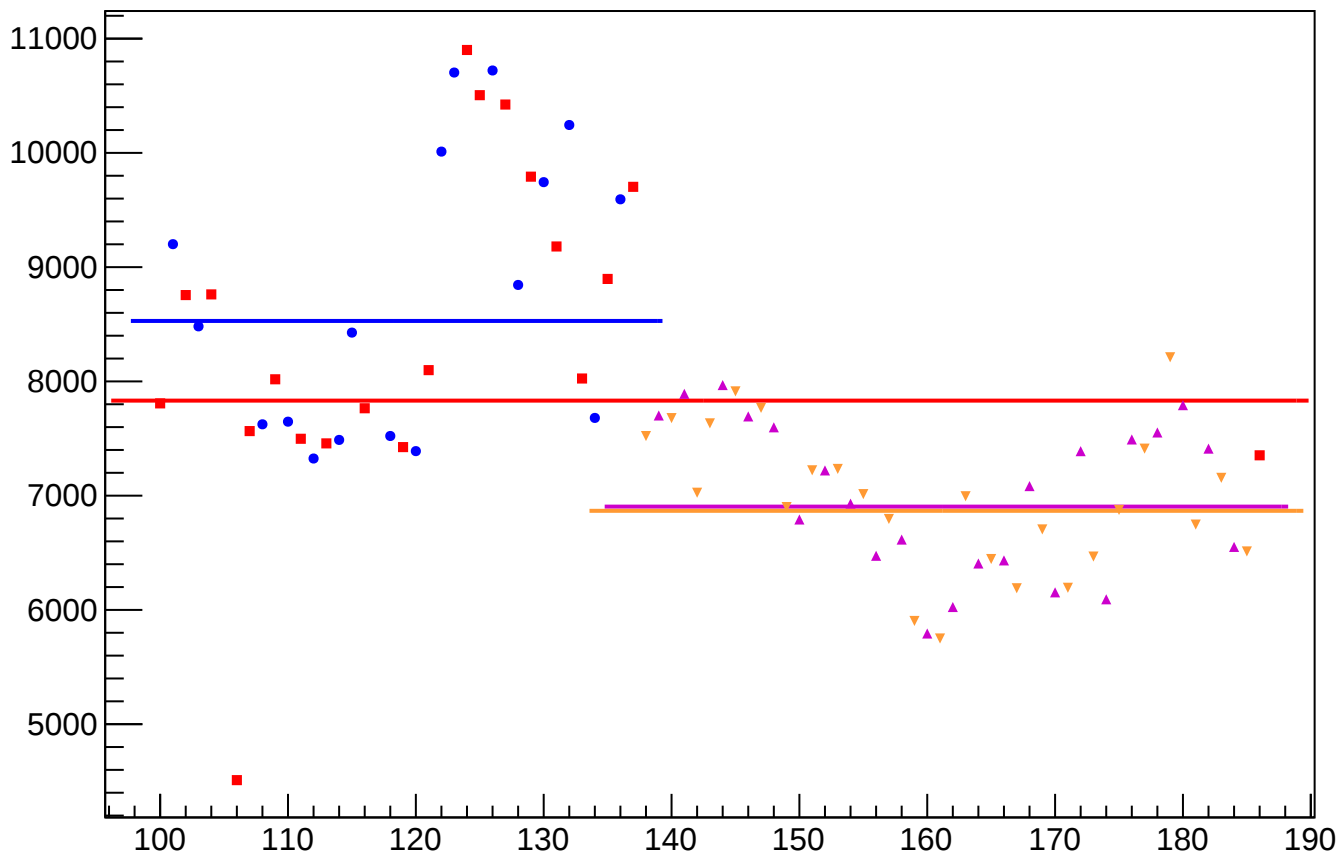
Left In: 8.923 ± 1.674 χ^2/NDF : 21.8/22

+ sign -0.858 ± 1.453 χ^2/NDF : 158.5/41

All: 2.052 ± 1.027 χ^2/NDF : 254.5/84

- sign 4.959 ± 1.452 χ^2/NDF : 88.0/42

diff_bpm0l10X_rms vs Slug



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

Left Out: 6867.371+/-1.142 χ^2/NDF : 306895.0/24

Right Out: 7831.873+/-2.064 χ^2/NDF : 556261.0/19

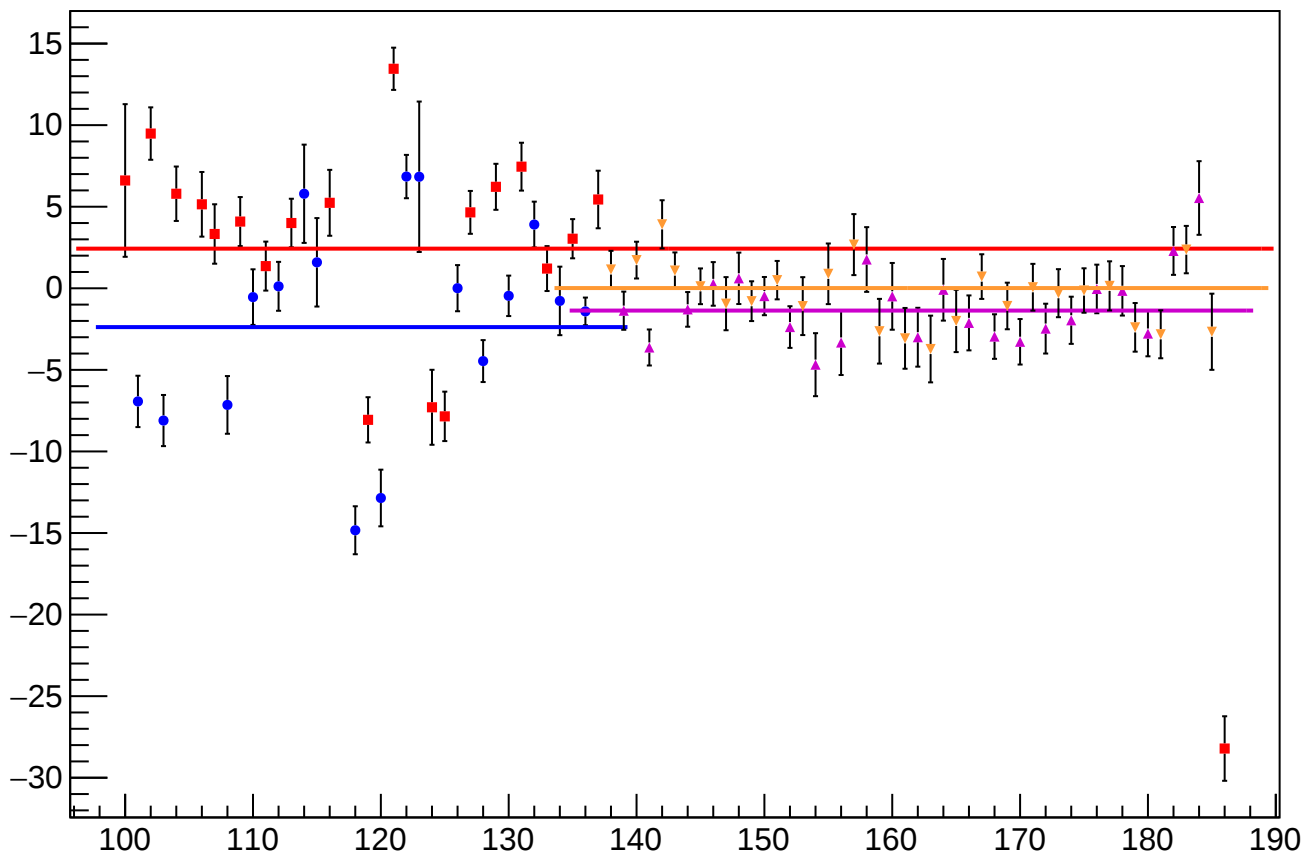
Left In: 6904.117+/-1.184 χ^2/NDF : 325912.6/22

+ sign 7184.914+/-1.027 χ^2/NDF : 918653.6/41

All: 7159.358+/-0.726 χ^2/NDF : 1954107.2/84

- sign 7133.827+/-1.027 χ^2/NDF : 1034216.7/42

diff_bpm0l10Y_mean vs Slug



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

Left Out: 0.014 ± 0.290 χ^2/NDF : 35.0/24

Right Out: 2.430 ± 0.353 χ^2/NDF : 490.6/19

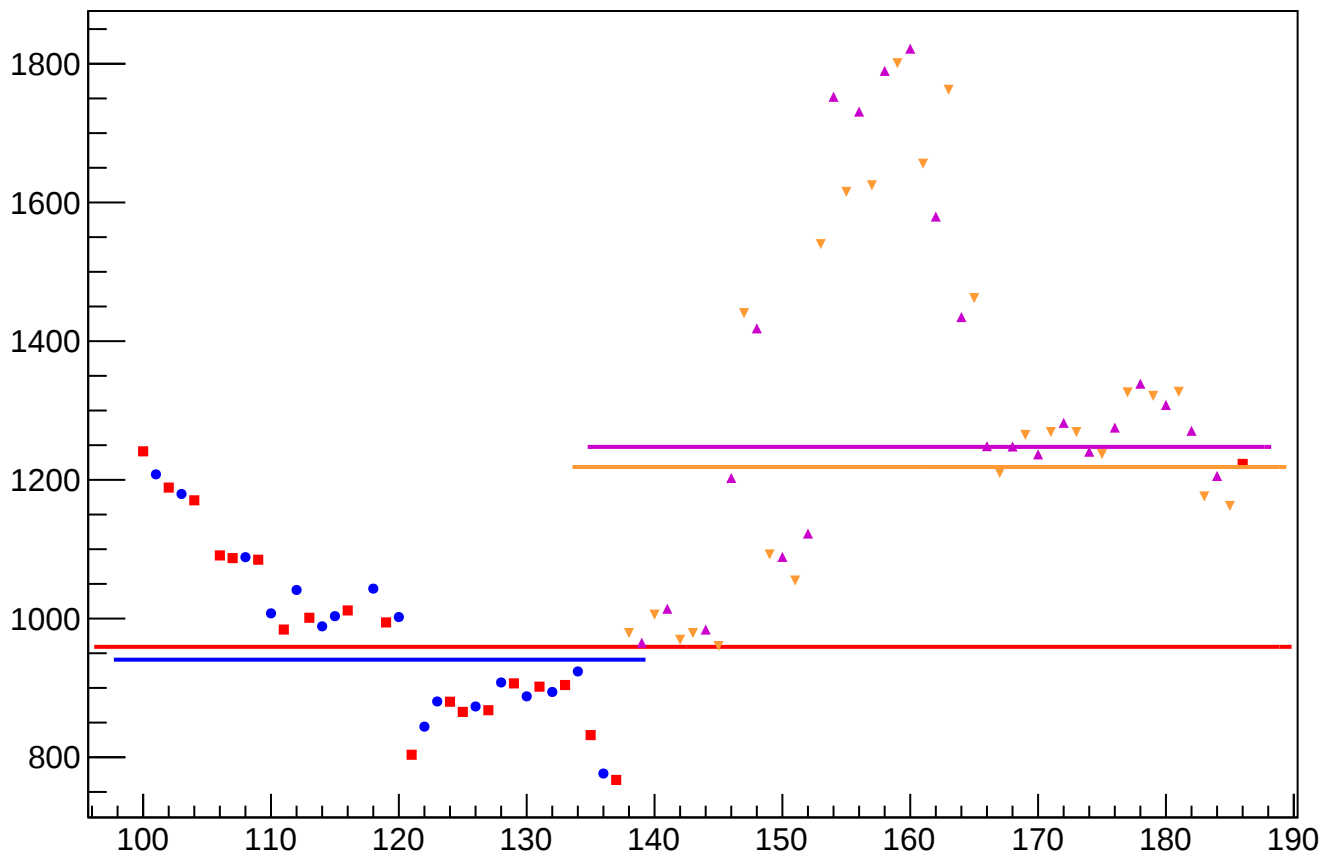
Left In: -1.365 ± 0.306 χ^2/NDF : 38.5/22

+ sign -0.908 ± 0.227 χ^2/NDF : 293.8/41

All: -0.334 ± 0.162 χ^2/NDF : 901.9/84

- sign 0.259 ± 0.231 χ^2/NDF : 595.1/42

diff_bpm0l10Y_rms vs Slug



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

Left Out: 1218.543 $\pm$ 0.205 χ^2 /NDF: 1265847.5/24

Right Out: 959.255 $\pm$ 0.250 χ^2 /NDF: 257069.6/19

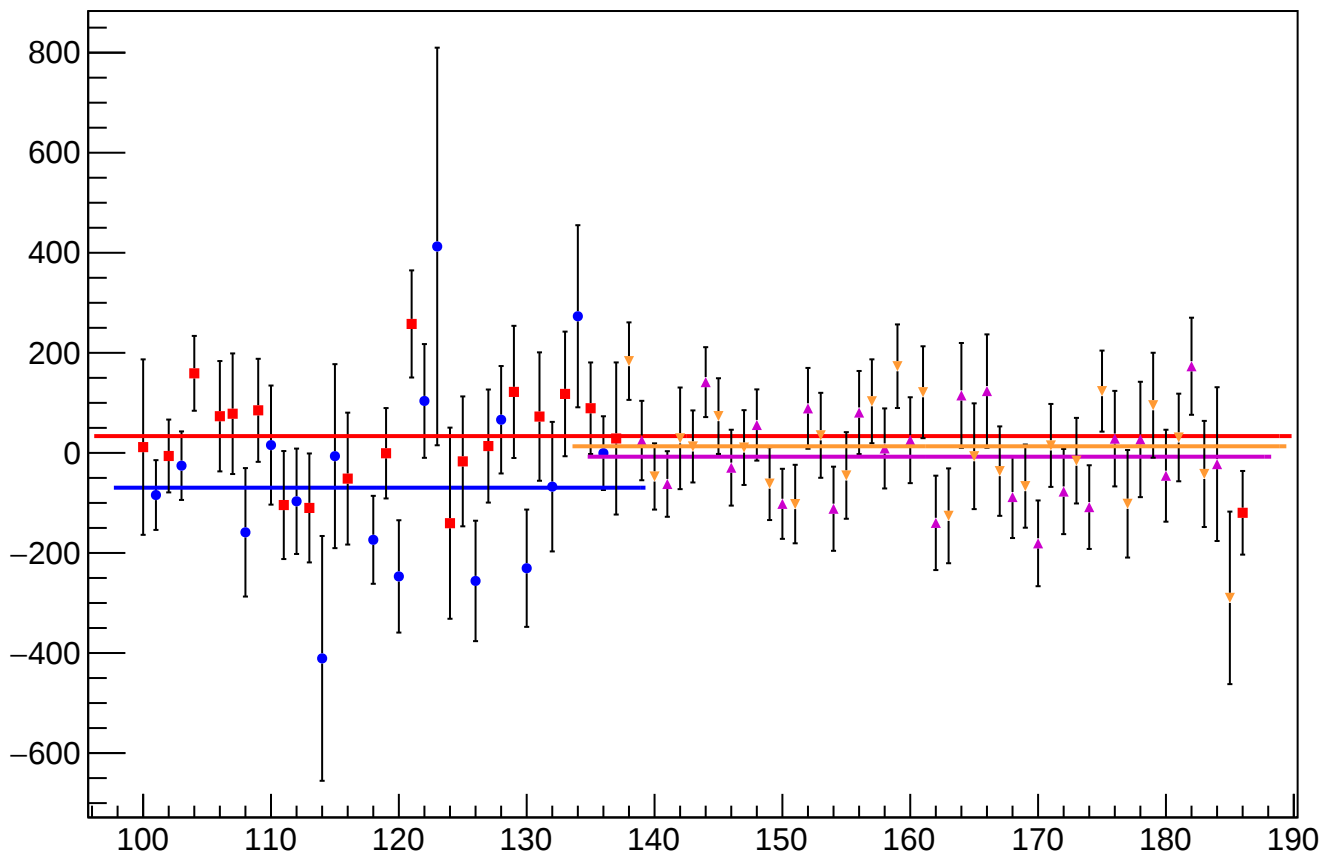
Left In: 1247.538 $\pm$ 0.216 χ^2 /NDF: 1073390.3/22

+ sign 1111.509 $\pm$ 0.161 χ^2 /NDF: 2215053.3/41

All: 1117.719 $\pm$ 0.115 χ^2 /NDF: 4310904.8/84

- sign 1124.133 $\pm$ 0.163 χ^2 /NDF: 2092817.4/42

diff_bpm0r03X_mean vs Slug



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

Left Out: 13.207 ± 17.146 χ^2/NDF : 26.8/24

Right Out: 33.576 ± 24.000 χ^2/NDF : 17.7/19

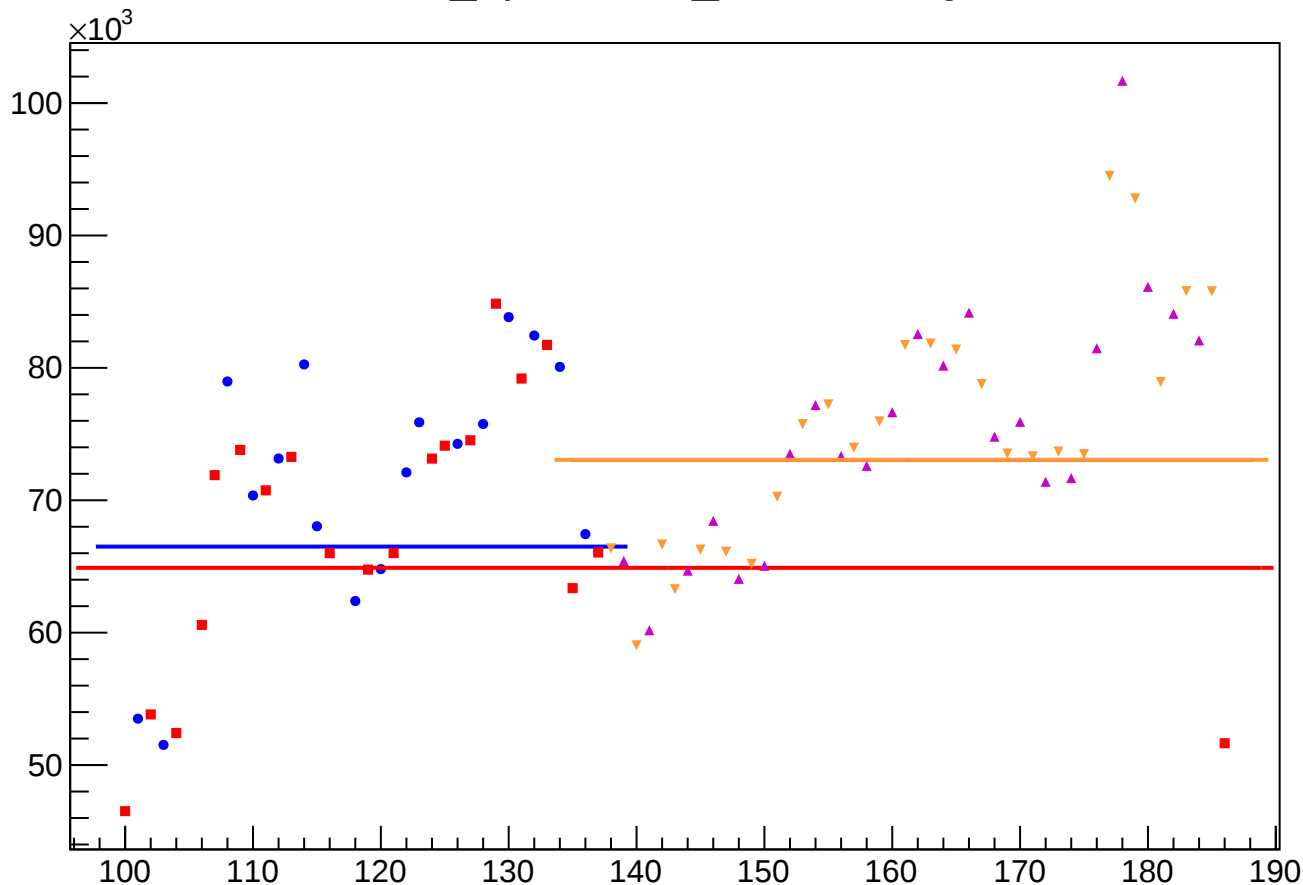
Left In: -7.618 ± 17.672 χ^2/NDF : 28.1/22

+ sign -11.904 ± 14.311 χ^2/NDF : 55.4/41

All: -2.467 ± 10.091 χ^2/NDF : 104.0/84

- sign 6.864 ± 14.230 χ^2/NDF : 47.7/42

diff_bpm0r03X_rms vs Slug



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

Left Out: 73054.401 $\pm$ 12.124 χ^2 /NDF: 473050.9/24

Right Out: 64896.611 $\pm$ 16.970 χ^2 /NDF: 352994.4/19

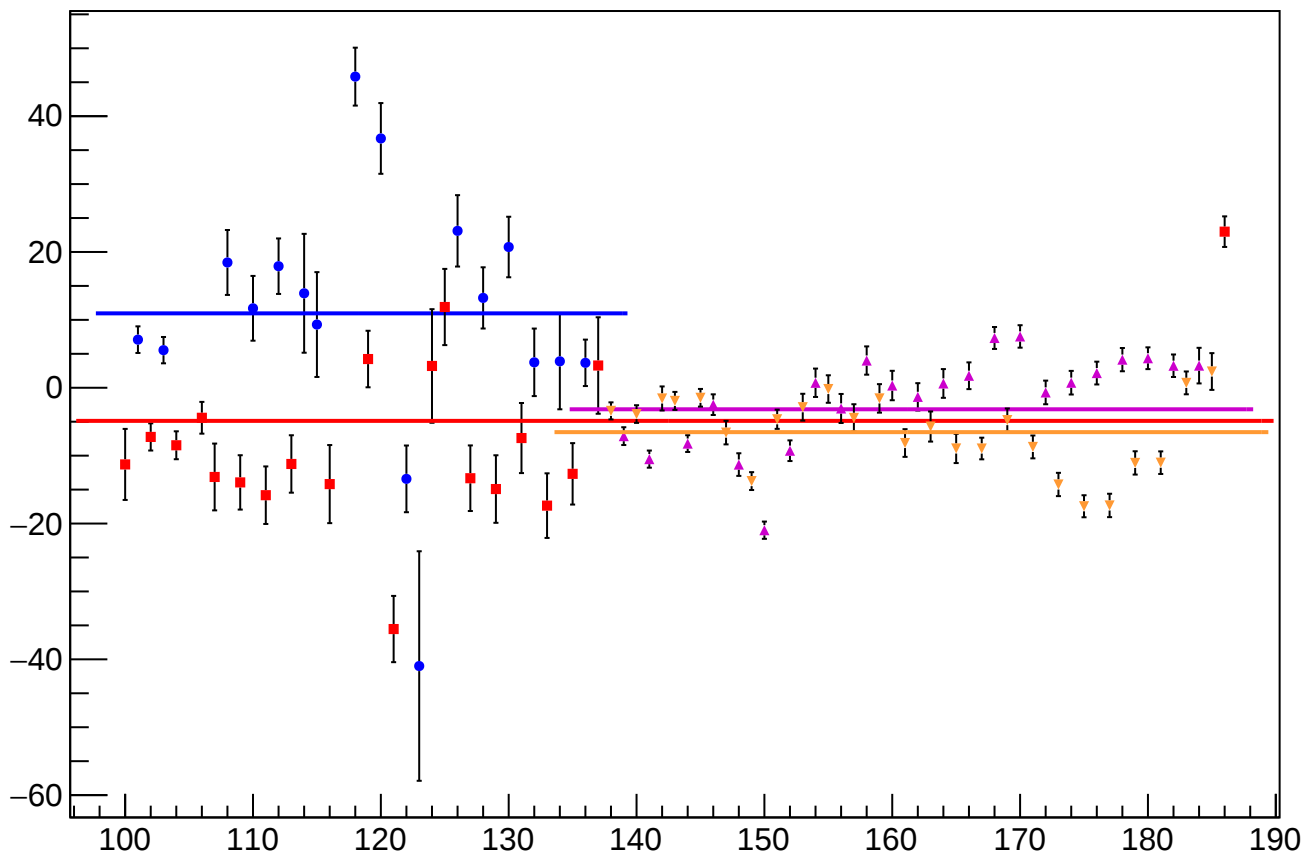
Left In: 73045.500 $\pm$ 12.496 χ^2 /NDF: 463525.5/22

+ sign 71065.829 $\pm$ 10.119 χ^2 /NDF: 881767.1/41

All: 70620.733 $\pm$ 7.135 χ^2 /NDF: 1851648.6/8

- sign 70180.632 $\pm$ 10.062 χ^2 /NDF: 966033.7/42

diff_bpm0r03Y_mean vs Slug



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

Left Out: -6.537 ± 0.332 χ^2/NDF : 252.7/24

Right Out: -4.877 ± 0.809 χ^2/NDF : 251.2/19

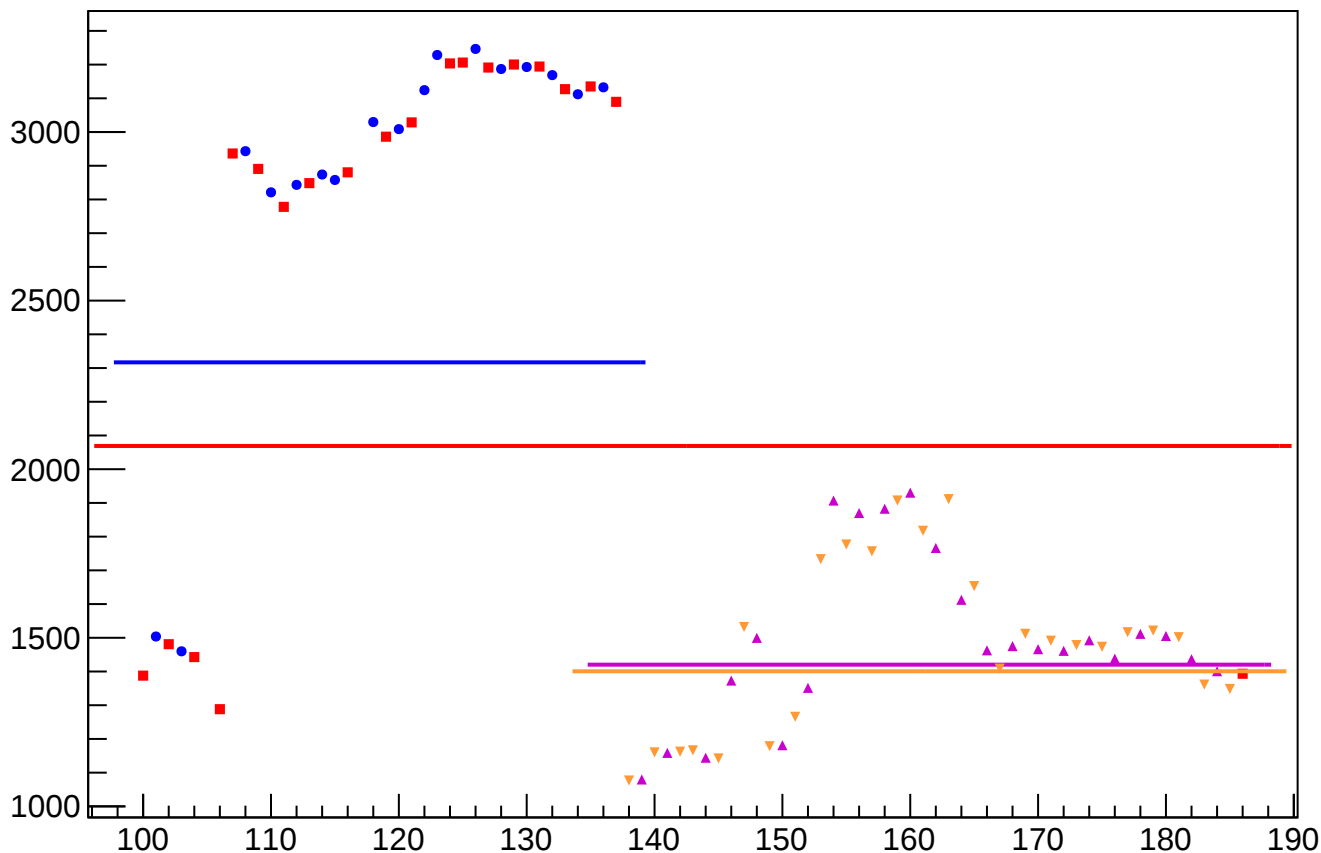
Left In: -3.171 ± 0.346 χ^2/NDF : 487.3/22

+ sign -4.614 ± 0.313 χ^2/NDF : 718.9/41

All: -4.034 ± 0.223 χ^2/NDF : 1468.2/84

- sign -3.435 ± 0.318 χ^2/NDF : 742.3/42

diff_bpm0r03Y_rms vs Slug



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

Left Out: 1400.637 $\pm$ 0.235 χ^2 /NDF: 1037921.6/24

Right Out: 2068.952 $\pm$ 0.572 χ^2 /NDF: 1955627.2/19

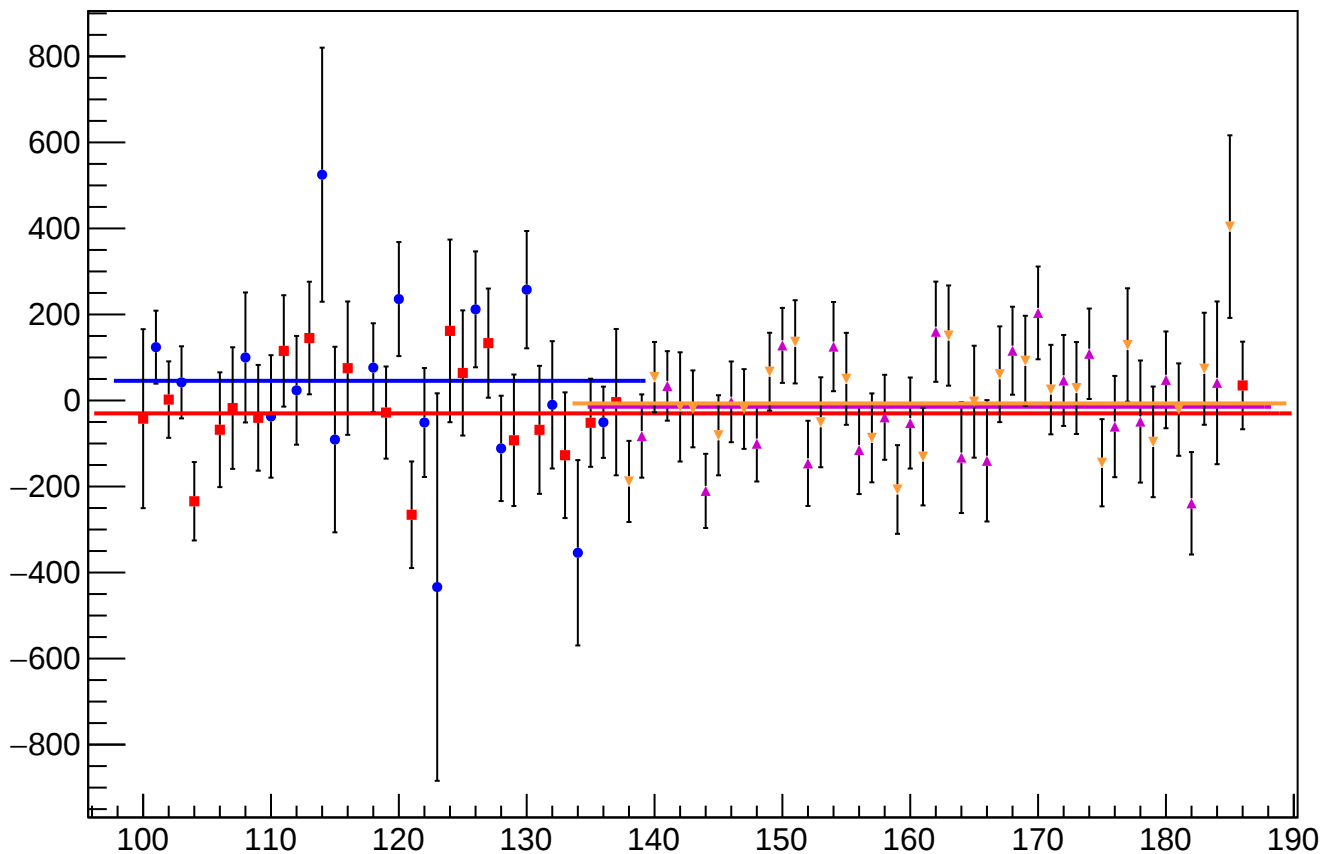
Left In: 1420.285 $\pm$ 0.245 χ^2 /NDF: 905186.2/22

+ sign 1501.356 $\pm$ 0.221 χ^2 /NDF: 4119392.4/41

All: 1510.892 $\pm$ 0.158 χ^2 /NDF: 8069976.7/84

- sign 1520.762 $\pm$ 0.225 χ^2 /NDF: 3946807.6/42

diff_bpm0r05X_mean vs Slug



Right In: 45.747 $\pm$ 30.474 χ^2 /NDF: 18.8/16

Left Out: -6.789 $\pm$ 21.213 χ^2 /NDF: 24.7/24

Right Out: -29.950 $\pm$ 28.317 χ^2 /NDF: 16.4/19

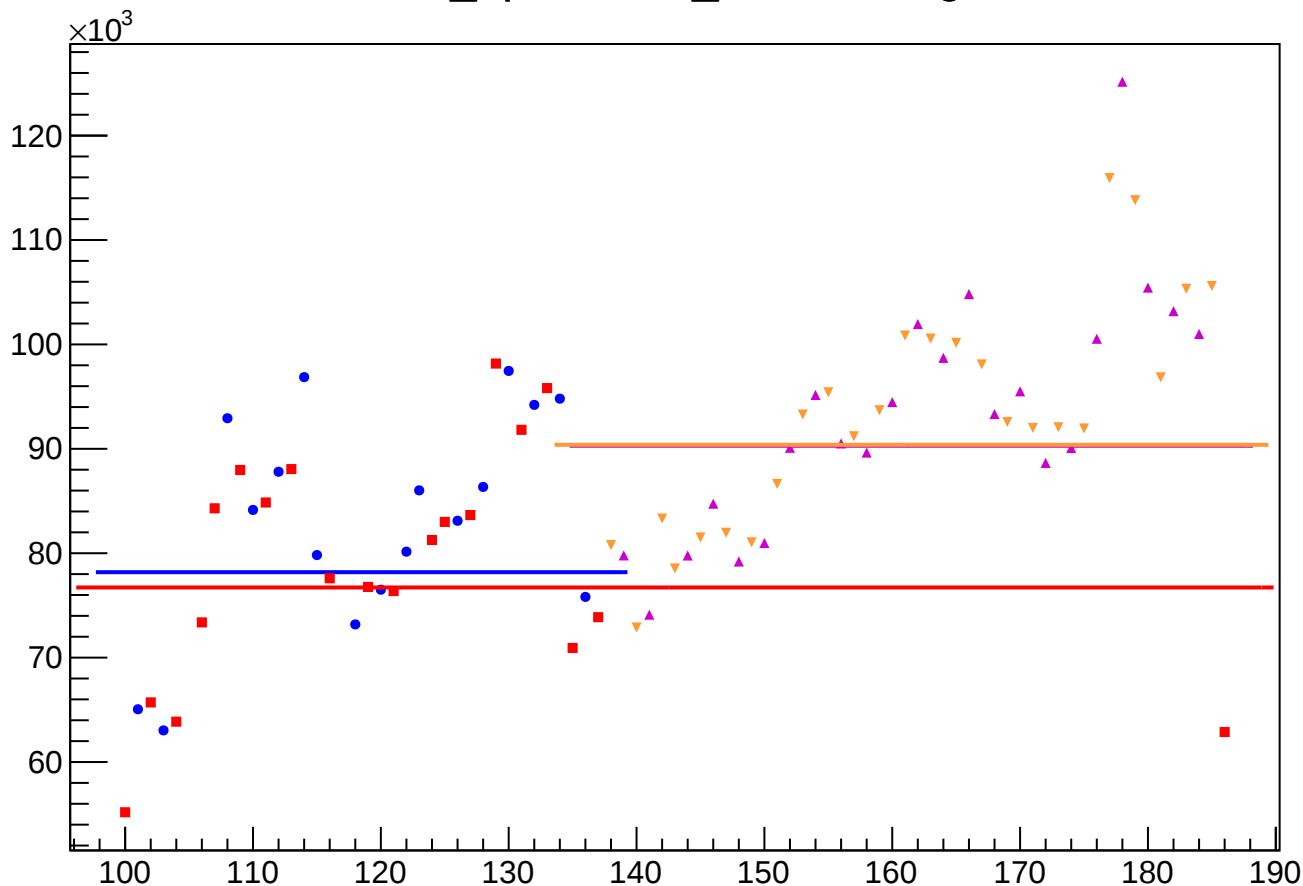
Left In: -14.611 $\pm$ 21.846 χ^2 /NDF: 29.8/22

+ sign 10.359 $\pm$ 17.410 χ^2 /NDF: 45.4/41

All: -5.088 $\pm$ 12.271 χ^2 /NDF: 93.4/84

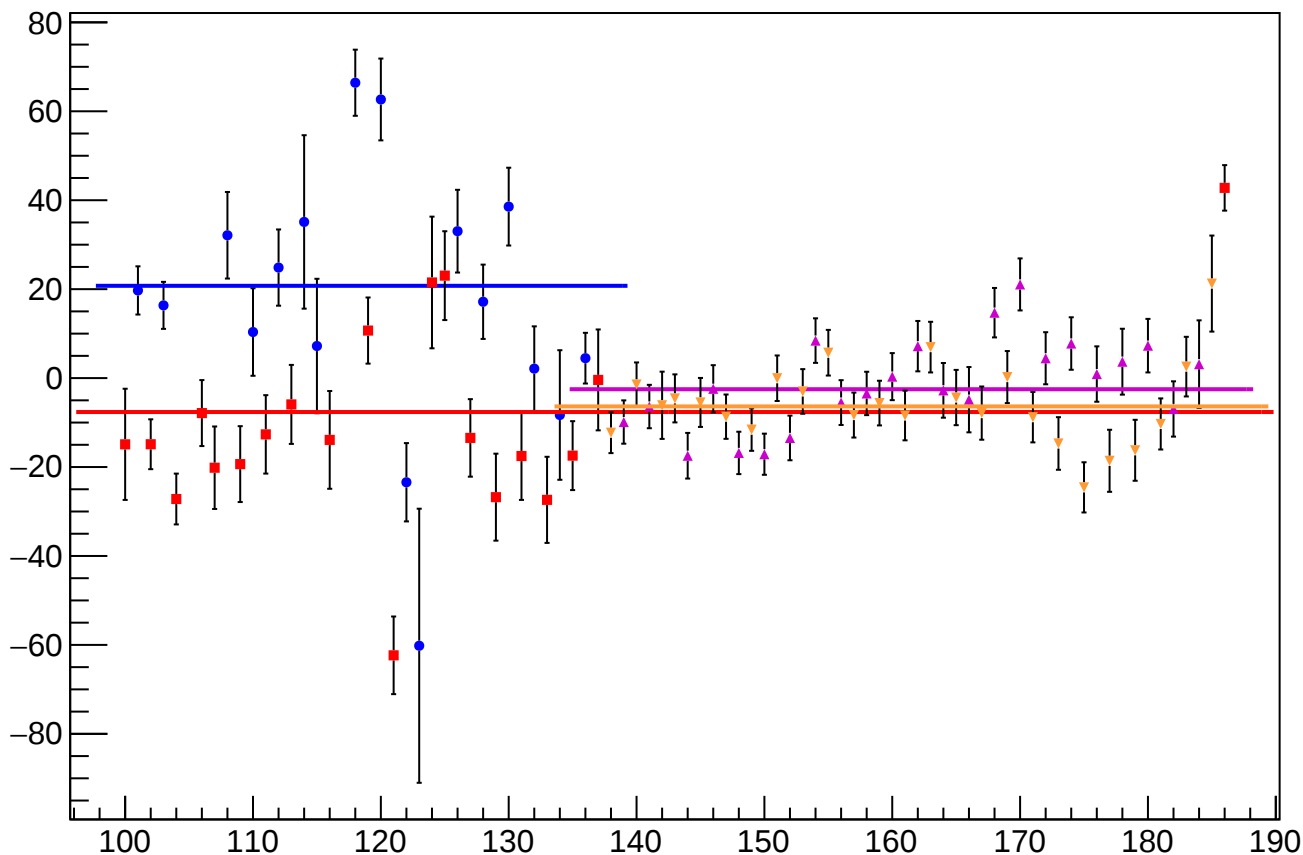
- sign -20.334 $\pm$ 17.297 χ^2 /NDF: 46.4/42

diff_bpm0r05X_rms vs Slug



Right In: 78183.588 $\pm$ 21.548	χ^2 /NDF: 250278.3/16	+ sign 86402.257 $\pm$ 12.311	χ^2 /NDF: 927895.6/41
Left Out: 90384.853 $\pm$ 15.000	χ^2 /NDF: 461648.2/24	All: 85811.854 $\pm$ 8.677	χ^2 /NDF: 1969238.6/6
Right Out: 76719.924 $\pm$ 20.023	χ^2 /NDF: 287354.9/19	- sign 85229.103 $\pm$ 12.231	χ^2 /NDF: 1036772.9/42
Left In: 90293.591 $\pm$ 15.448	χ^2 /NDF: 461337.5/22		

diff_bpm0r05Y_mean vs Slug



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

Left Out: -6.370+/-1.124 χ^2/NDF : 45.5/24

Right Out: -7.629+/-1.828 χ^2/NDF : 185.3/19

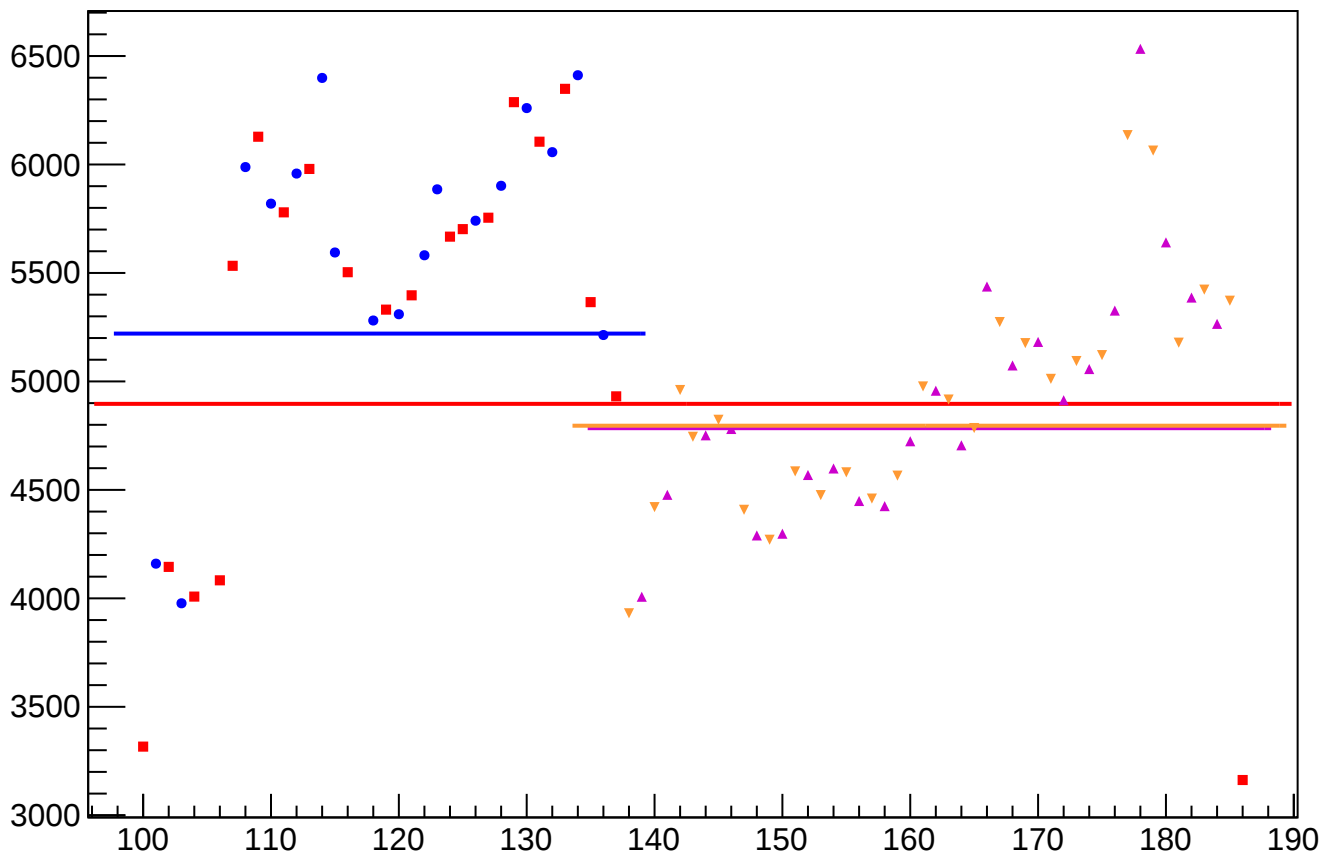
Left In: -2.501+/-1.156 χ^2/NDF : 78.4/22

+ sign -0.048+/-0.984 χ^2/NDF : 298.6/41

All: -2.021+/-0.693 χ^2/NDF : 575.9/84

- sign -3.965+/-0.977 χ^2/NDF : 269.3/42

diff_bpm0r05Y_rms vs Slug



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

Left Out: 4795.847 $\pm$ 0.795 χ^2 /NDF: 361249.7/24

Right Out: 4896.577 $\pm$ 1.293 χ^2 /NDF: 650805.2/19

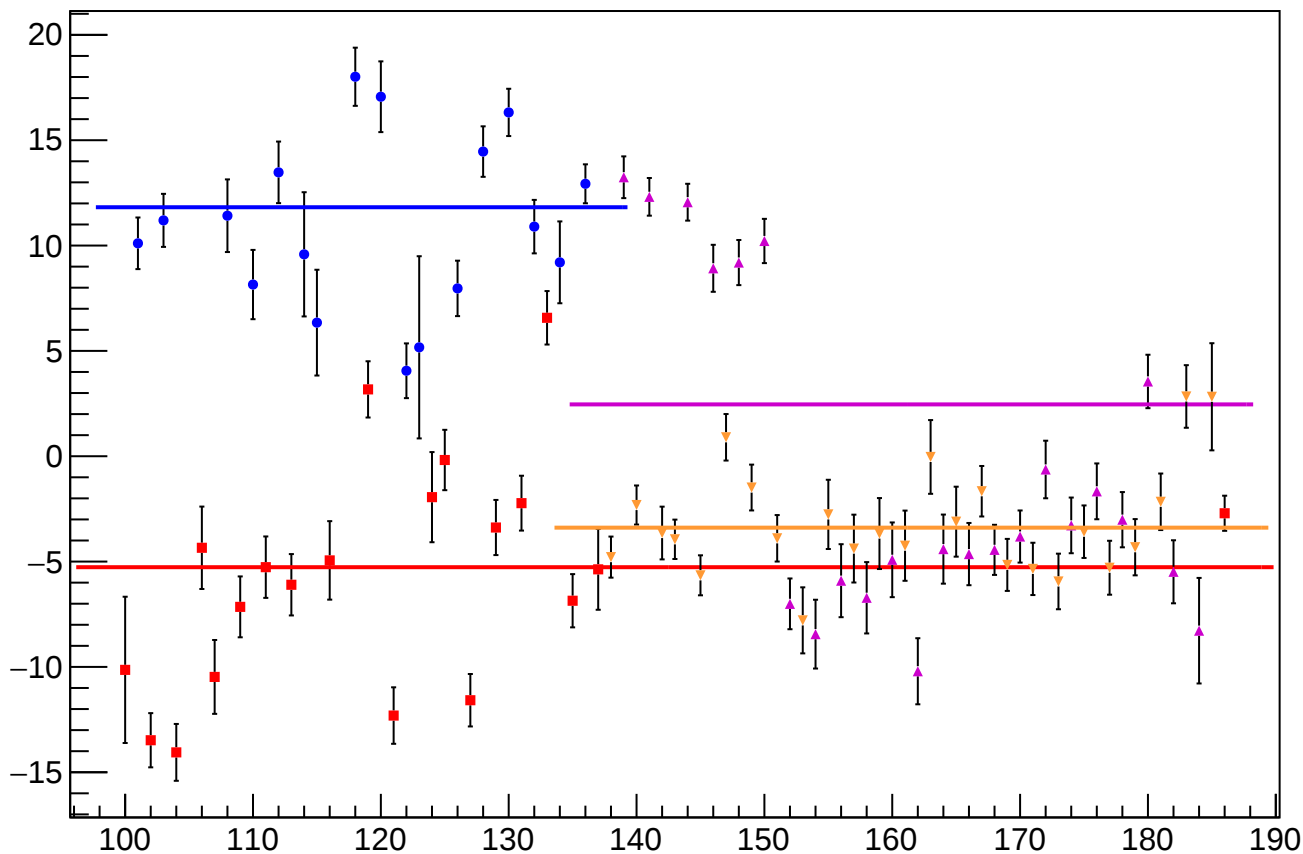
Left In: 4784.434 $\pm$ 0.817 χ^2 /NDF: 357507.2/22

+ sign 4894.829 $\pm$ 0.696 χ^2 /NDF: 739339.0/41

All: 4855.357 $\pm$ 0.490 χ^2 /NDF: 1759413.9/84

- sign 4816.458 $\pm$ 0.691 χ^2 /NDF: 1013687.9/42

diff_bpm2i01X_mean vs Slug



Right In: 11.819 $\pm$ 0.345 χ^2 /NDF: 115.1/16

Left Out: -3.390 $\pm$ 0.252 χ^2 /NDF: 77.7/24

Right Out: -5.267 $\pm$ 0.314 χ^2 /NDF: 310.2/19

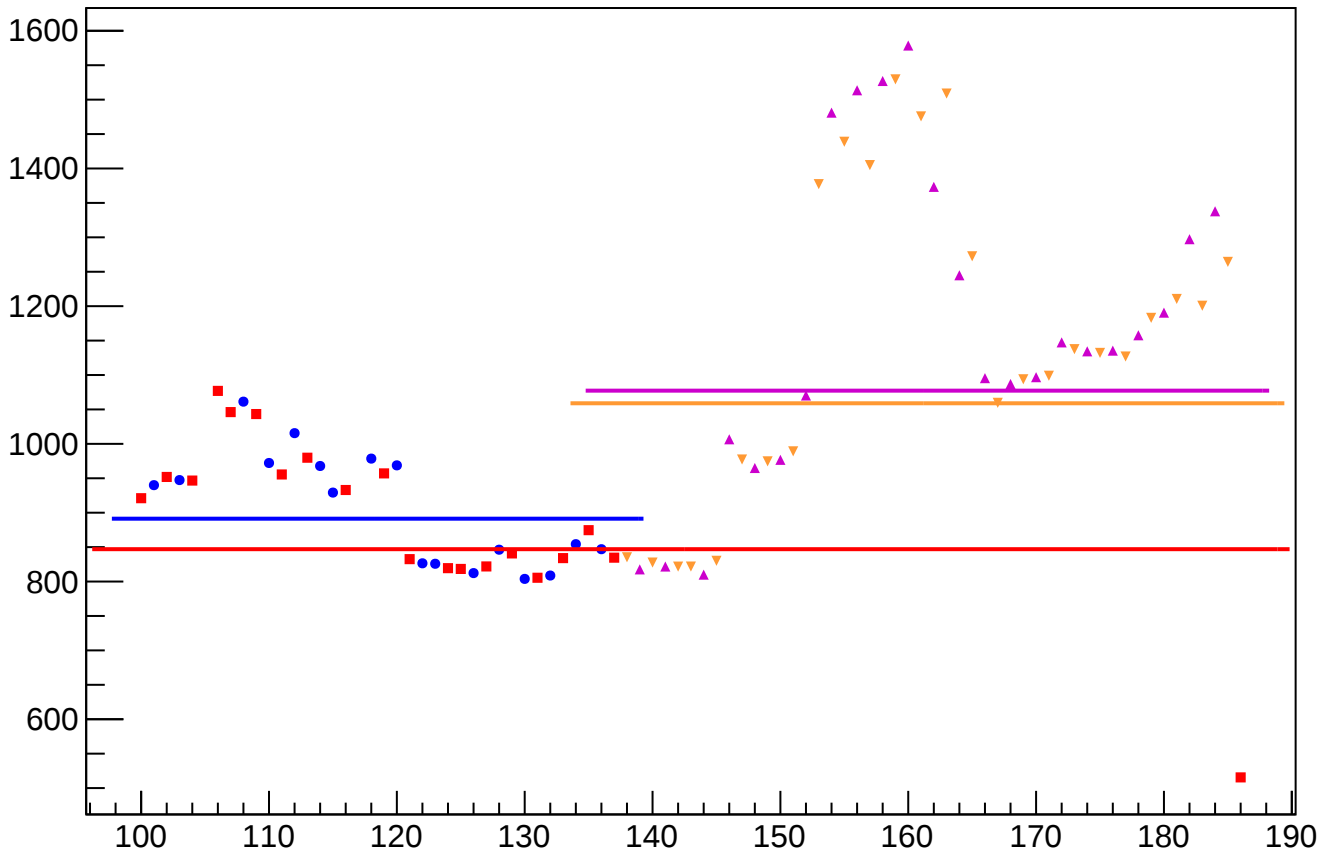
Left In: 2.461 $\pm$ 0.264 χ^2 /NDF: 928.0/22

+ sign 1.905 $\pm$ 0.204 χ^2 /NDF: 1458.4/41

All: 0.572 $\pm$ 0.144 χ^2 /NDF: 3135.9/84

- sign -0.743 $\pm$ 0.202 χ^2 /NDF: 1592.4/42

diff_bpm2i01X_rms vs Slug



Right In: 891.299 $\pm$ 0.244 χ^2 /NDF: 101327.8/16

Left Out: 1058.941 $\pm$ 0.178 χ^2 /NDF:1403222.2/24

Right Out: 847.008 $\pm$ 0.222 χ^2 /NDF: 482900.2/19

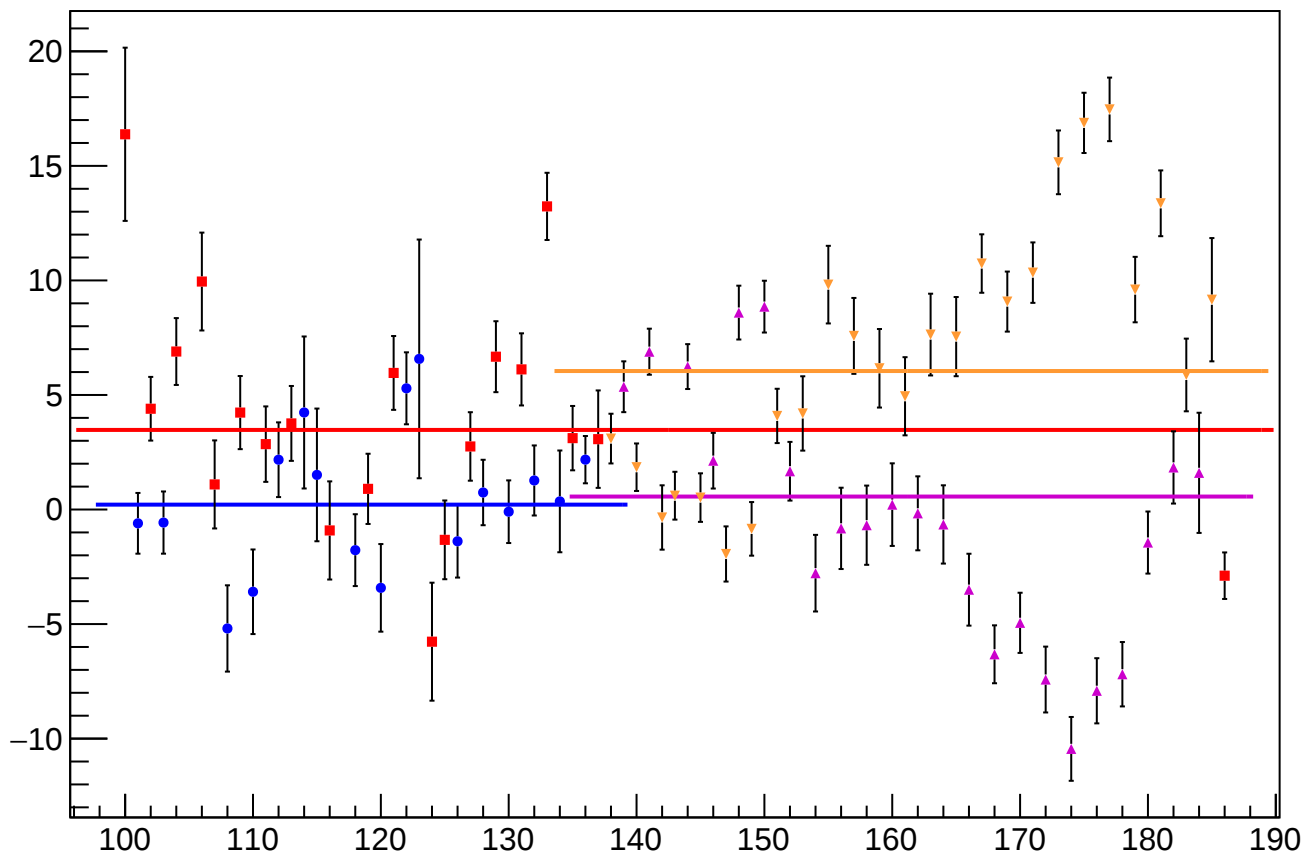
Left In: 1077.284 $\pm$ 0.187 χ^2 /NDF:1280349.9/22

+ sign 1000.575 $\pm$ 0.144 χ^2 /NDF: 1812086.8/41

All: 991.128 $\pm$ 0.101 χ^2 /NDF: 4213033.2/84

- sign 981.811 $\pm$ 0.143 χ^2 /NDF: 2392399.2/42

diff_bpm2i01Y_mean vs Slug



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

Left Out: 6.045 ± 0.272 χ^2/NDF : 430.8/24

Right Out: 3.474 ± 0.362 χ^2/NDF : 149.7/19

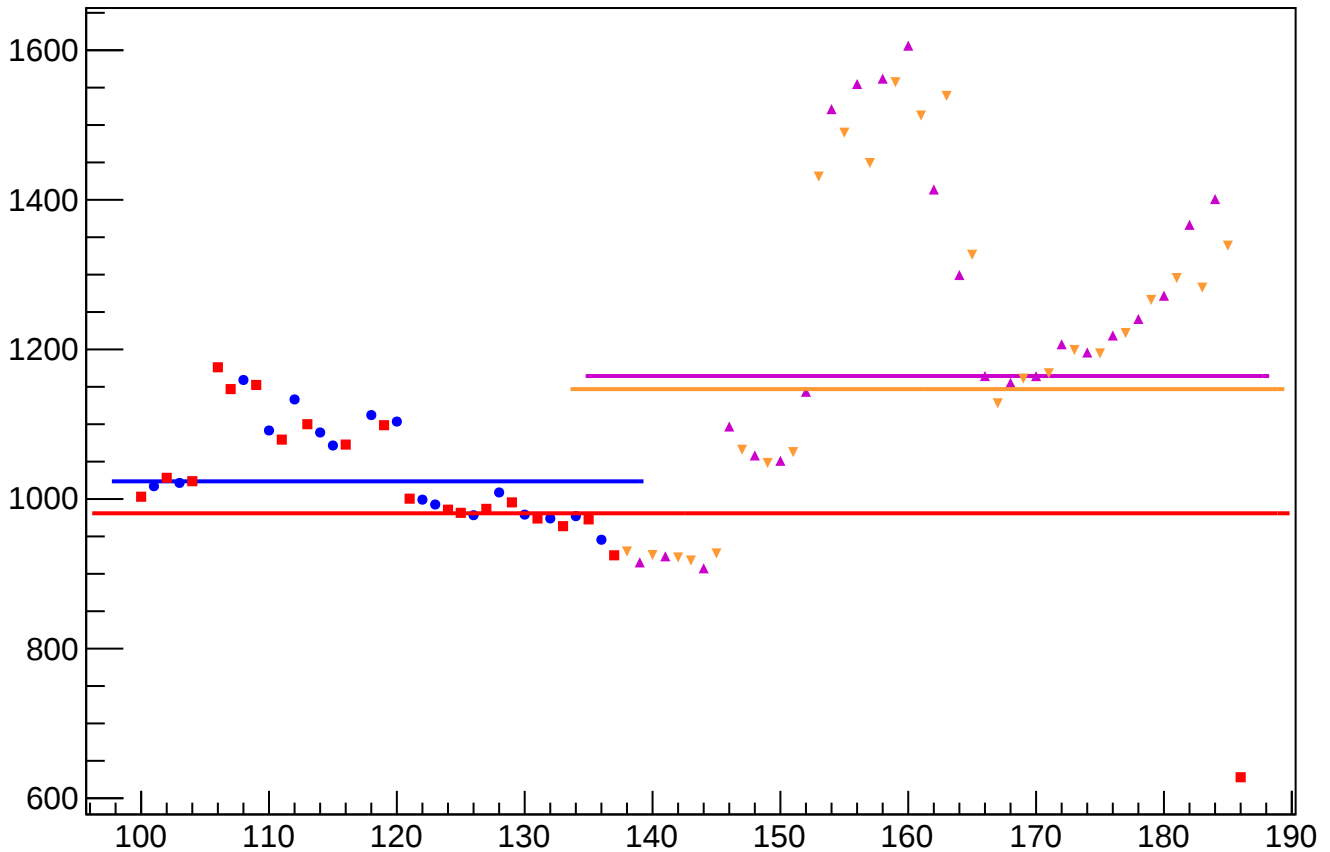
Left In: 0.566 ± 0.284 χ^2/NDF : 417.0/22

+ sign 4.177 ± 0.224 χ^2/NDF : 617.2/41

All: 2.923 ± 0.158 χ^2/NDF : 1286.4/84

- sign 1.675 ± 0.223 χ^2/NDF : 606.7/42

diff_bpm2i01Y_rms vs Slug



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

Left Out: 1146.960+/-0.192 χ^2/NDF : 1045761.4/24

Right Out: 980.929+/-0.256 χ^2/NDF : 335976.8/19

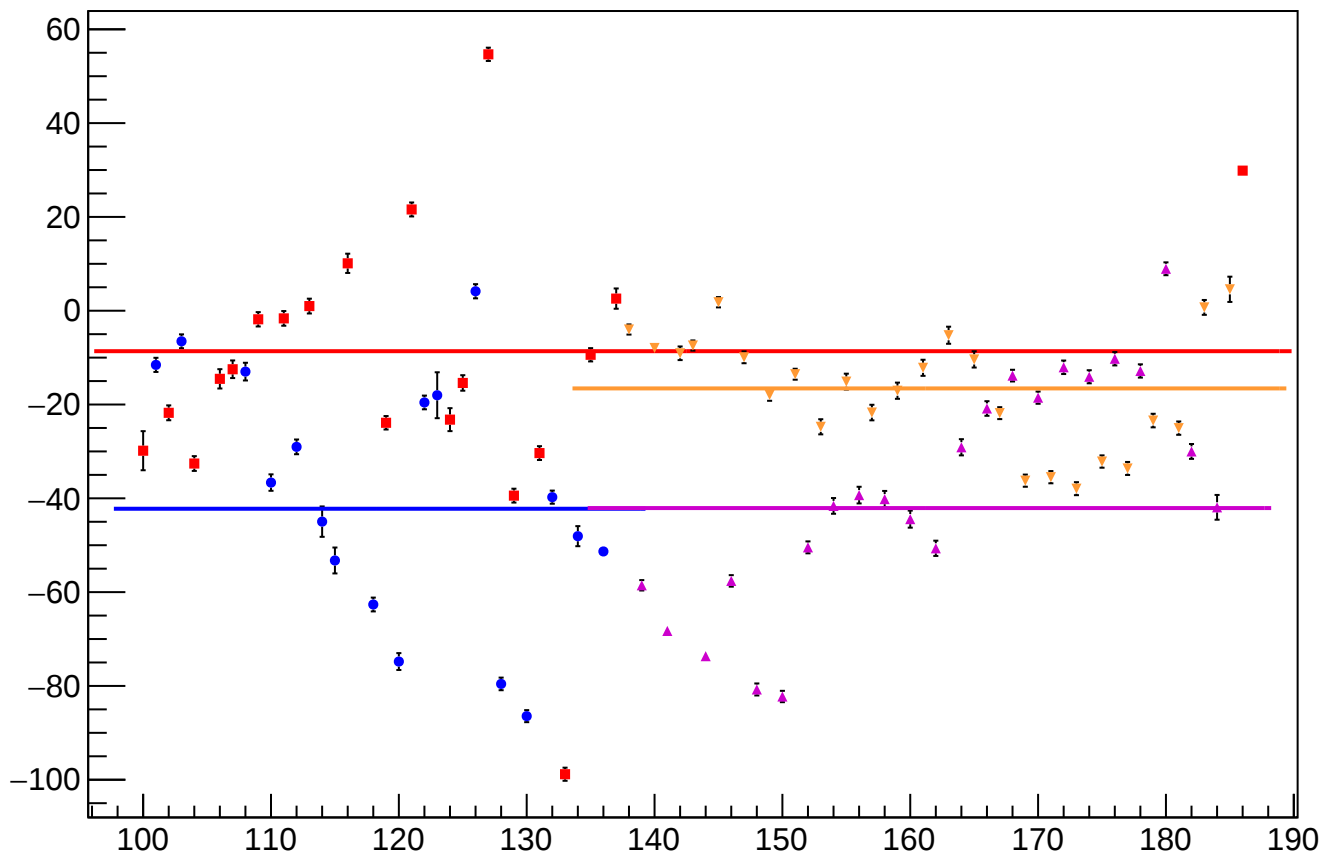
Left In: 1164.432+/-0.201 χ^2/NDF : 944112.0/22

+ sign 1107.451+/-0.158 χ^2/NDF : 1230071.1/41

All: 1100.950+/-0.112 χ^2/NDF : 2831564.6/84

- sign 1094.476+/-0.158 χ^2/NDF : 1598130.3/42

diff_bpm2i02X_mean vs Slug



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

Left Out: -16.567 ± 0.275 χ^2/NDF : 1931.2/24

Right Out: -8.628 ± 0.354 χ^2/NDF : 9428.3/19

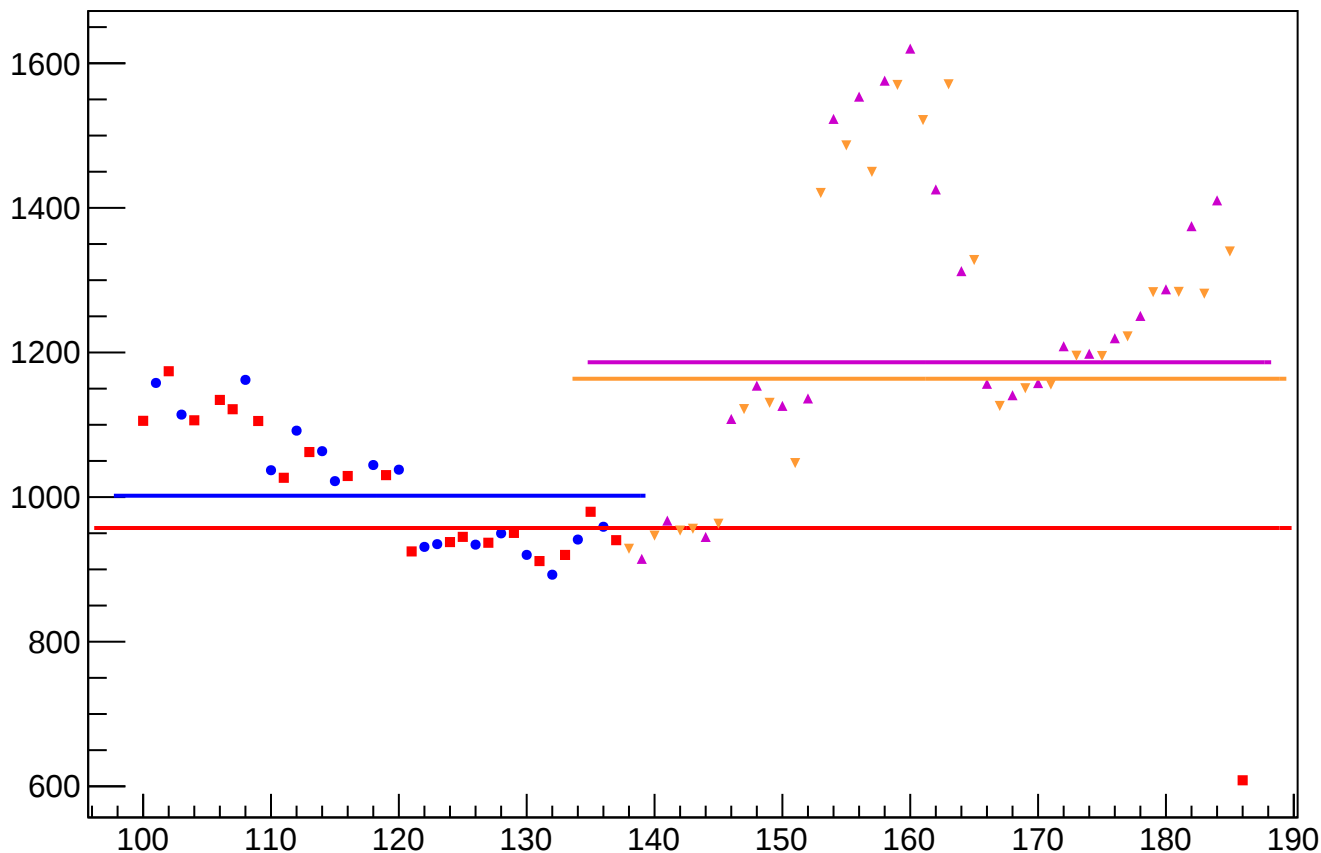
Left In: -42.077 ± 0.289 χ^2/NDF : 8332.3/22

+ sign -25.160 ± 0.224 χ^2/NDF : 9937.9/41

All: -26.927 ± 0.159 χ^2/NDF : 33181.8/84

- sign -28.685 ± 0.224 χ^2/NDF : 23120.2/42

diff_bpm2i02X_rms vs Slug



Right In: 1001.897+/-0.274 χ^2/NDF : 95203.3/16

Left Out: 1163.691+/-0.195 χ^2/NDF : 936079.1/24

Right Out: 957.252+/-0.250 χ^2/NDF : 384317.1/19

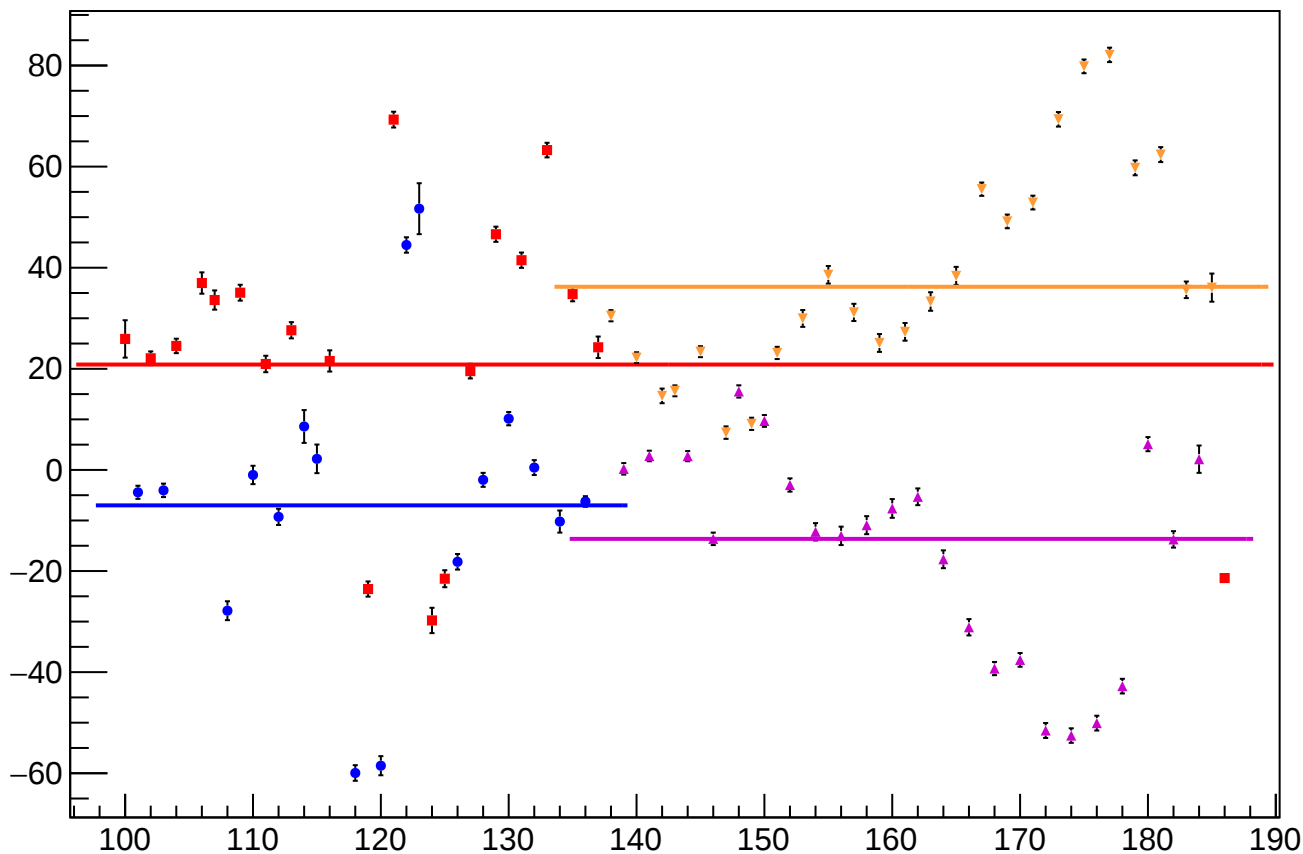
Left In: 1186.476+/-0.204 χ^2/NDF : 833420.3/22

+ sign 1109.500+/-0.159 χ^2/NDF : 1262716.8/41

All: 1102.082+/-0.112 χ^2/NDF : 2988224.9/84

- sign 1094.704+/-0.158 χ^2/NDF : 1721151.8/42

diff_bpm2i02Y_mean vs Slug



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

Left Out: 36.234 ± 0.280 χ^2/NDF : 5794.2/24

Right Out: 20.848 ± 0.355 χ^2/NDF : 6367.2/19

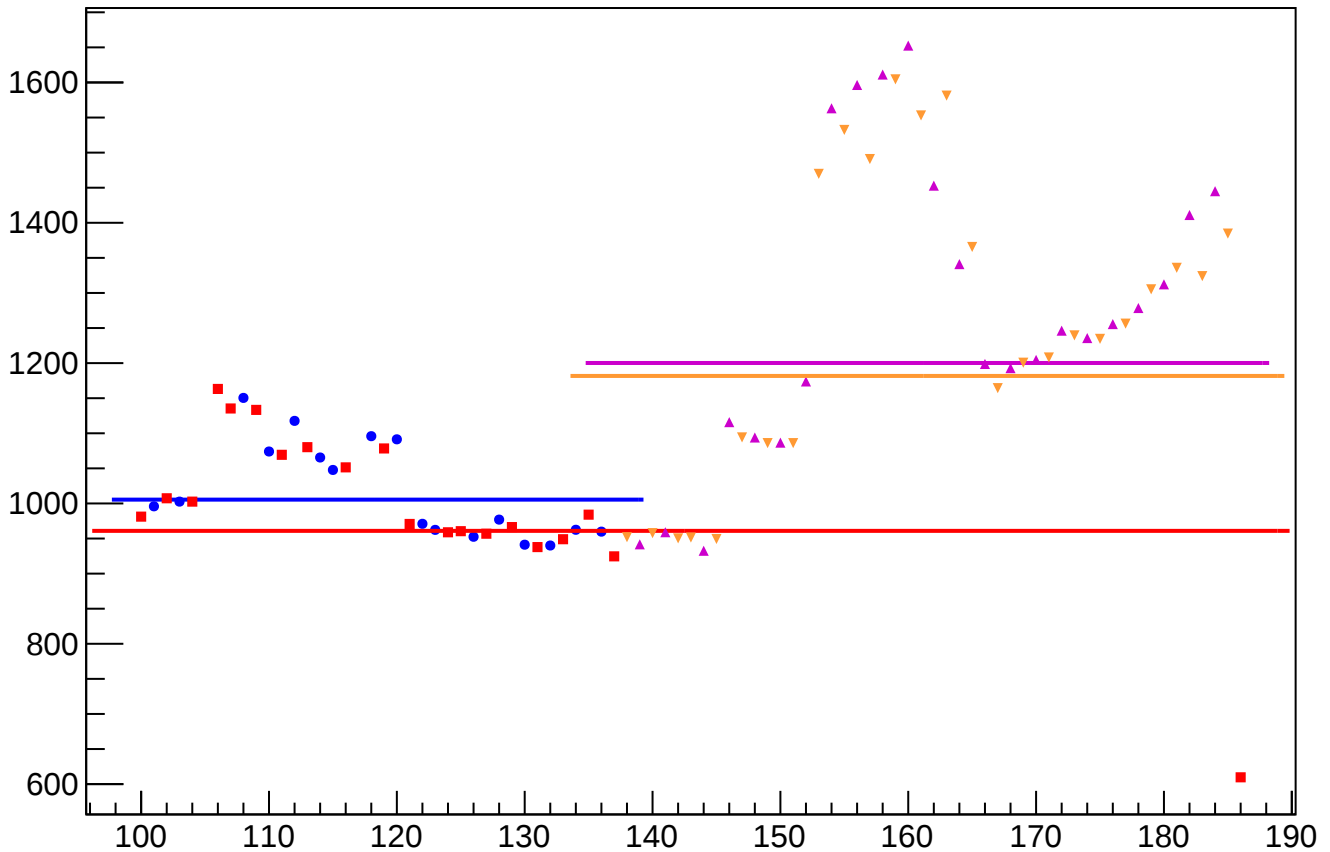
Left In: -13.640 ± 0.293 χ^2/NDF : 5178.0/22

+ sign 21.467 ± 0.227 χ^2/NDF : 17581.8/41

All: 10.840 ± 0.160 χ^2/NDF : 39102.5/84

- sign 0.333 ± 0.226 χ^2/NDF : 17166.3/42

diff_bpm2i02Y_rms vs Slug



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

Left Out: 1181.732 ± 0.198 χ^2/NDF : 1043520.8/24

Right Out: 960.936 ± 0.251 χ^2/NDF : 355021.8/19

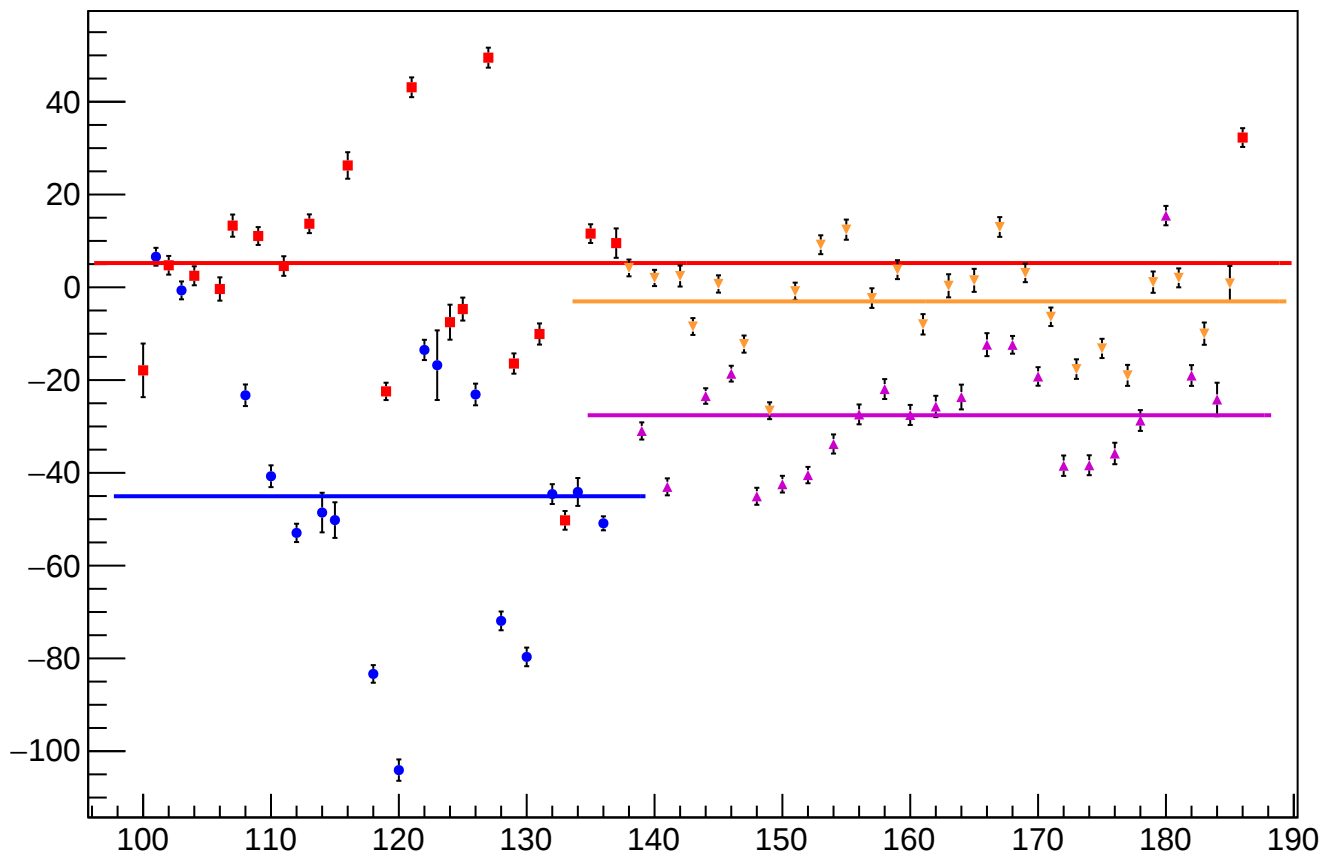
Left In: 1200.198 ± 0.207 χ^2/NDF : 938224.7/22

+ sign 1121.536 ± 0.161 χ^2/NDF : 1368955.7/41

All: 1112.348 ± 0.113 χ^2/NDF : 3209789.9/84

- sign 1103.264 ± 0.160 χ^2/NDF : 1834324.3/42

diff_bpm0i02X_mean vs Slug



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

Left Out: -3.037 ± 0.415 χ^2/NDF : 555.6/24

Right Out: 5.231 ± 0.506 χ^2/NDF : 2192.2/19

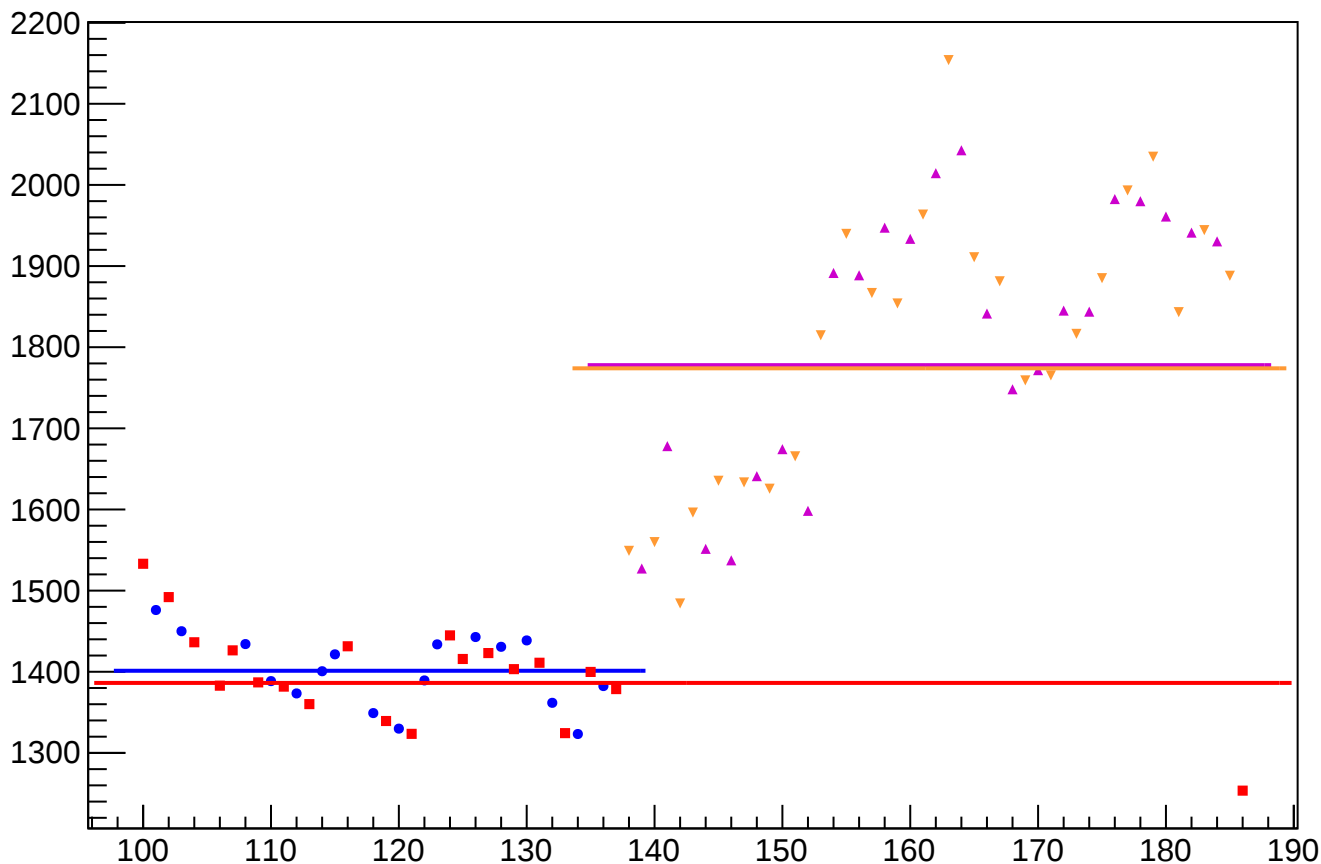
Left In: -27.583 ± 0.429 χ^2/NDF : 960.1/22

+ sign -18.616 ± 0.329 χ^2/NDF : 7577.3/41

All: -16.224 ± 0.232 χ^2/NDF : 13280.6/84

- sign -13.862 ± 0.327 χ^2/NDF : 5598.5/42

diff_bpm0i02X_rms vs Slug



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

Left Out: 1773.965 $\pm$ 0.294 χ^2 /NDF: 313031.1/24

Right Out: 1386.256 $\pm$ 0.358 χ^2 /NDF: 24690.7/19

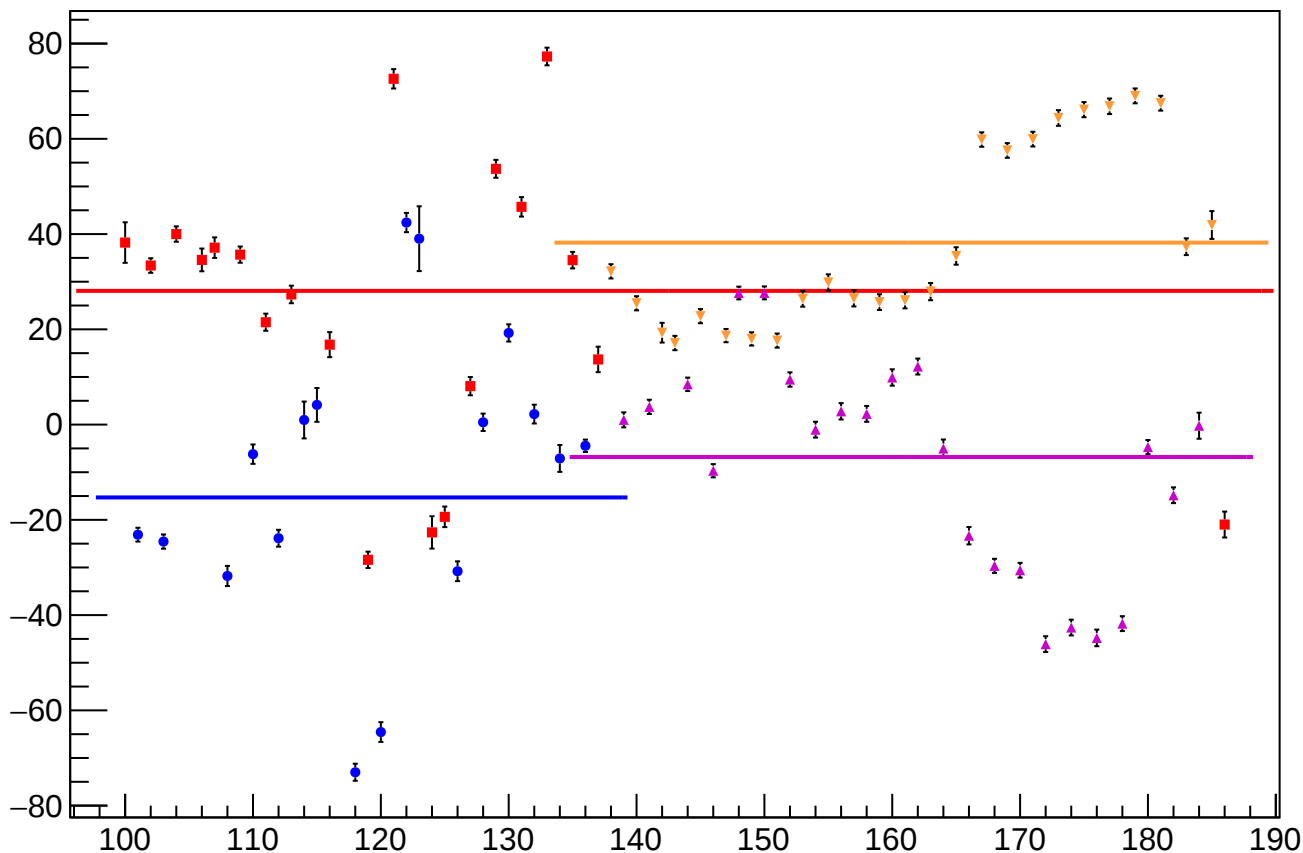
Left In: 1777.884 $\pm$ 0.303 χ^2 /NDF: 299514.0/22

+ sign 1635.727 $\pm$ 0.233 χ^2 /NDF: 923979.1/41

All: 1624.862 $\pm$ 0.164 χ^2 /NDF: 1949365.5/84

- sign 1614.126 $\pm$ 0.231 χ^2 /NDF: 1021055.9/42

diff_bpm0i02Y_mean vs Slug



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

Left Out: 38.206 ± 0.323 χ^2/NDF : 3514.2/24

Right Out: 28.074 ± 0.451 χ^2/NDF : 3863.0/19

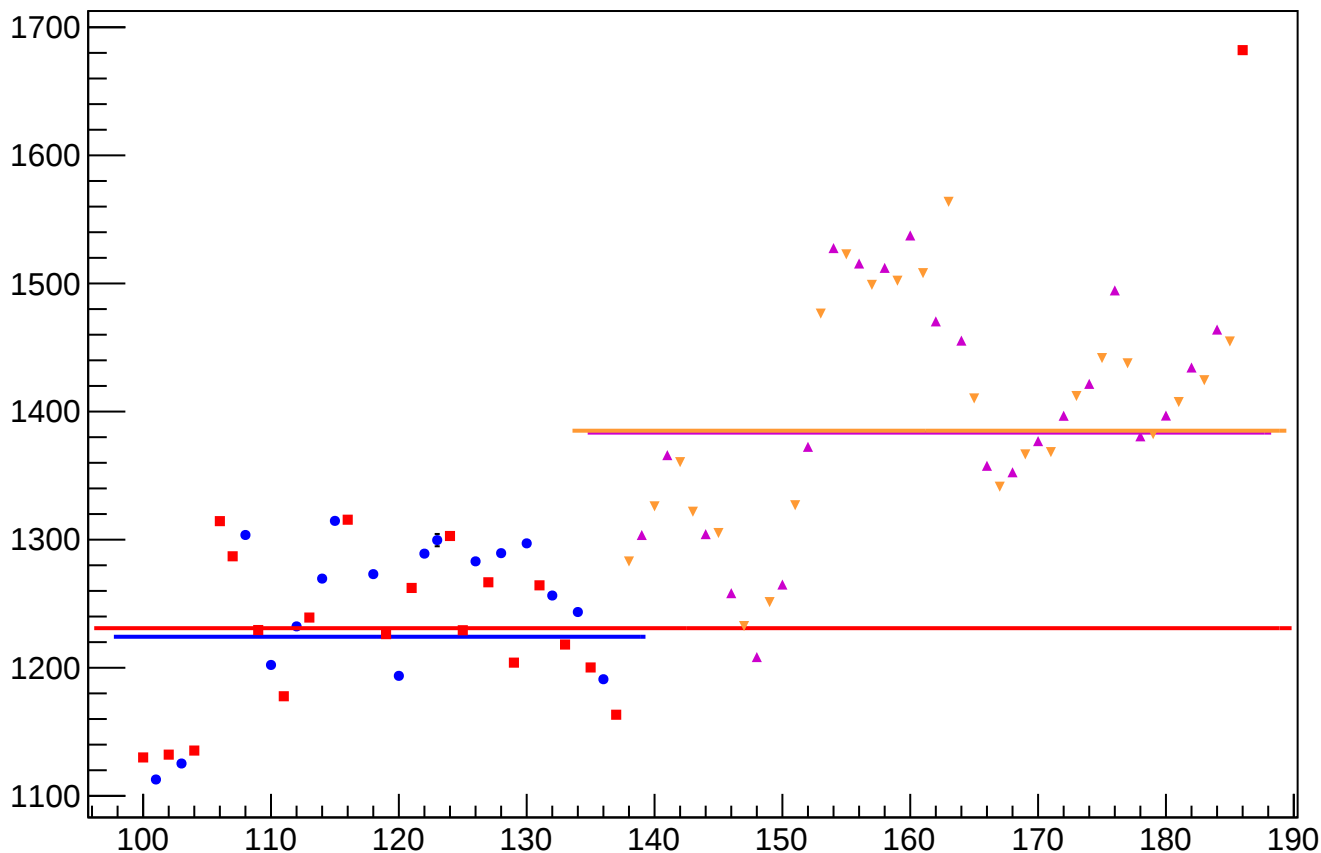
Left In: -6.808 ± 0.333 χ^2/NDF : 4494.5/22

+ sign 21.160 ± 0.267 χ^2/NDF : 15581.4/41

All: 13.362 ± 0.189 χ^2/NDF : 29527.8/84

- sign 5.513 ± 0.268 χ^2/NDF : 12234.0/42

diff_bpm0i02Y_rms vs Slug



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

Left Out: 1385.063 $\pm$ 0.229 χ^2 /NDF: 146001.5/24

Right Out: 1230.906 $\pm$ 0.319 χ^2 /NDF: 84247.5/19

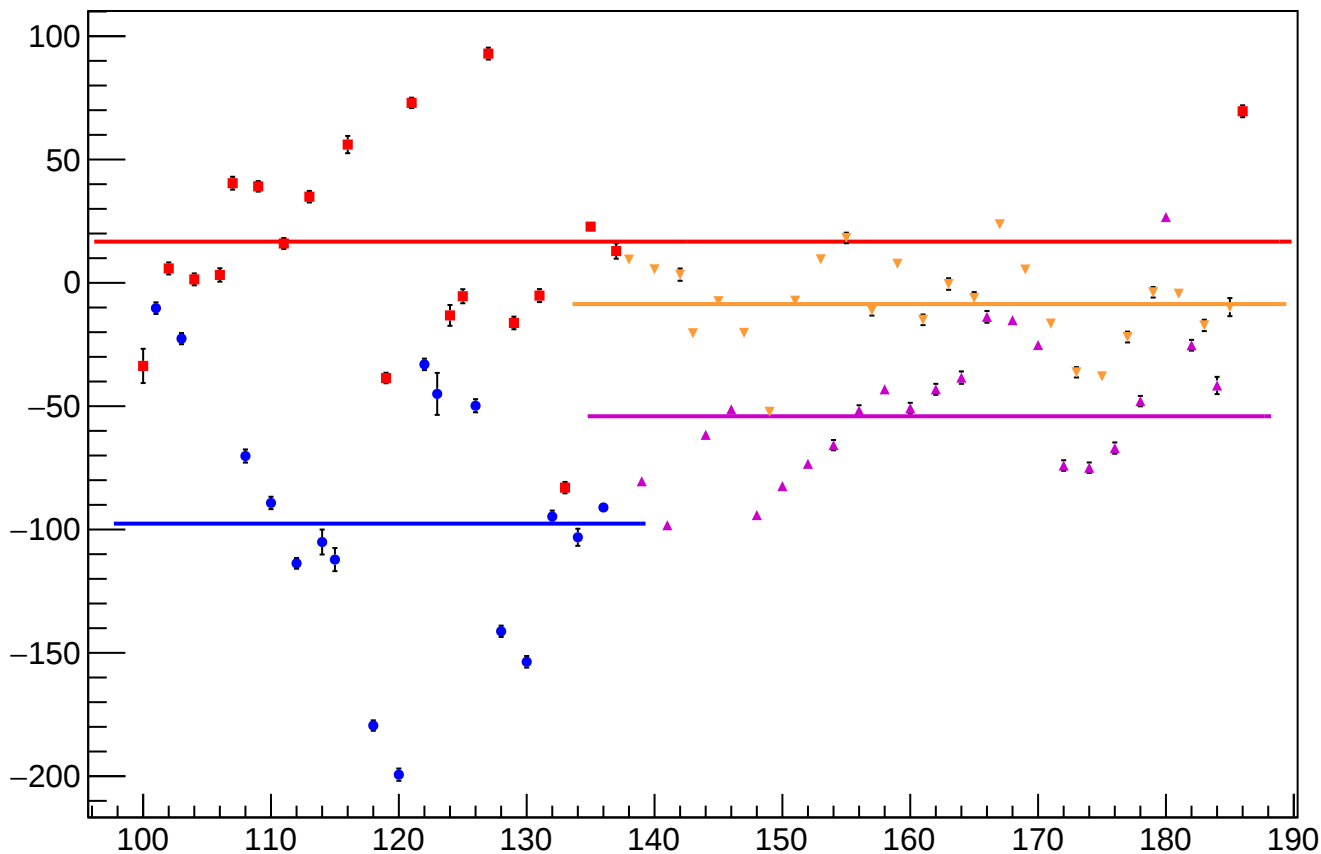
Left In: 1383.558 $\pm$ 0.235 χ^2 /NDF: 154696.0/22

+ sign 1333.814 $\pm$ 0.189 χ^2 /NDF: 342440.4/41

All: 1331.732 $\pm$ 0.134 χ^2 /NDF: 730100.6/84

- sign 1329.636 $\pm$ 0.189 χ^2 /NDF: 387416.0/42

diff_bpm0i02aX_mean vs Slug



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

Left Out: -8.606 ± 0.410 χ^2/NDF : 1930.5/24

Right Out: 16.718 ± 0.564 χ^2/NDF : 5622.7/19

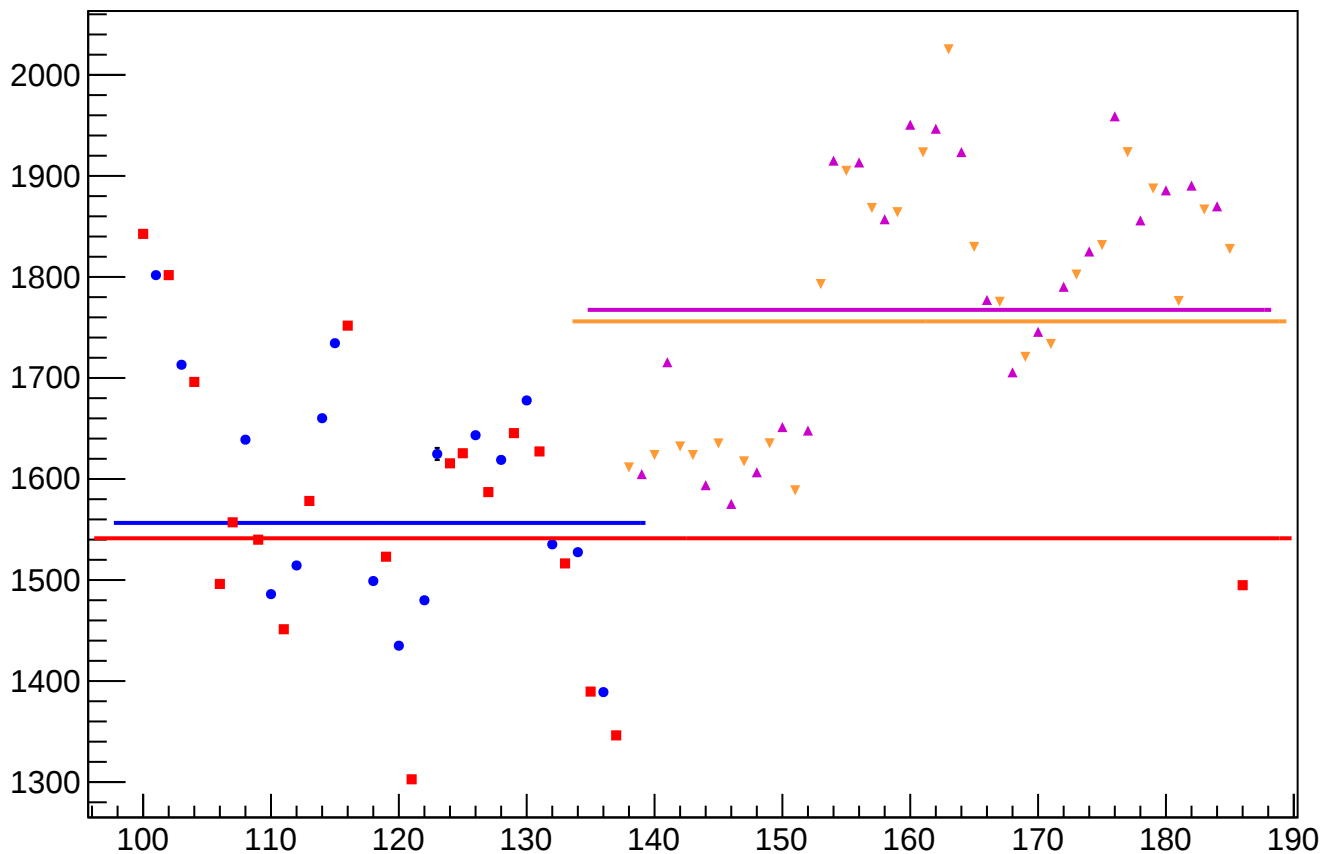
Left In: -54.089 ± 0.426 χ^2/NDF : 4721.6/22

+ sign -36.811 ± 0.339 χ^2/NDF : 24768.1/41

All: -32.620 ± 0.240 χ^2/NDF : 45454.8/84

- sign -28.410 ± 0.340 χ^2/NDF : 20380.4/42

diff_bpm0i02aX_rms vs Slug



Right In: 1556.539 ± 0.426 χ^2/NDF : 81438.3/16

Left Out: 1756.034 ± 0.290 χ^2/NDF : 175762.3/24

Right Out: 1541.312 ± 0.399 χ^2/NDF : 101382.0/19

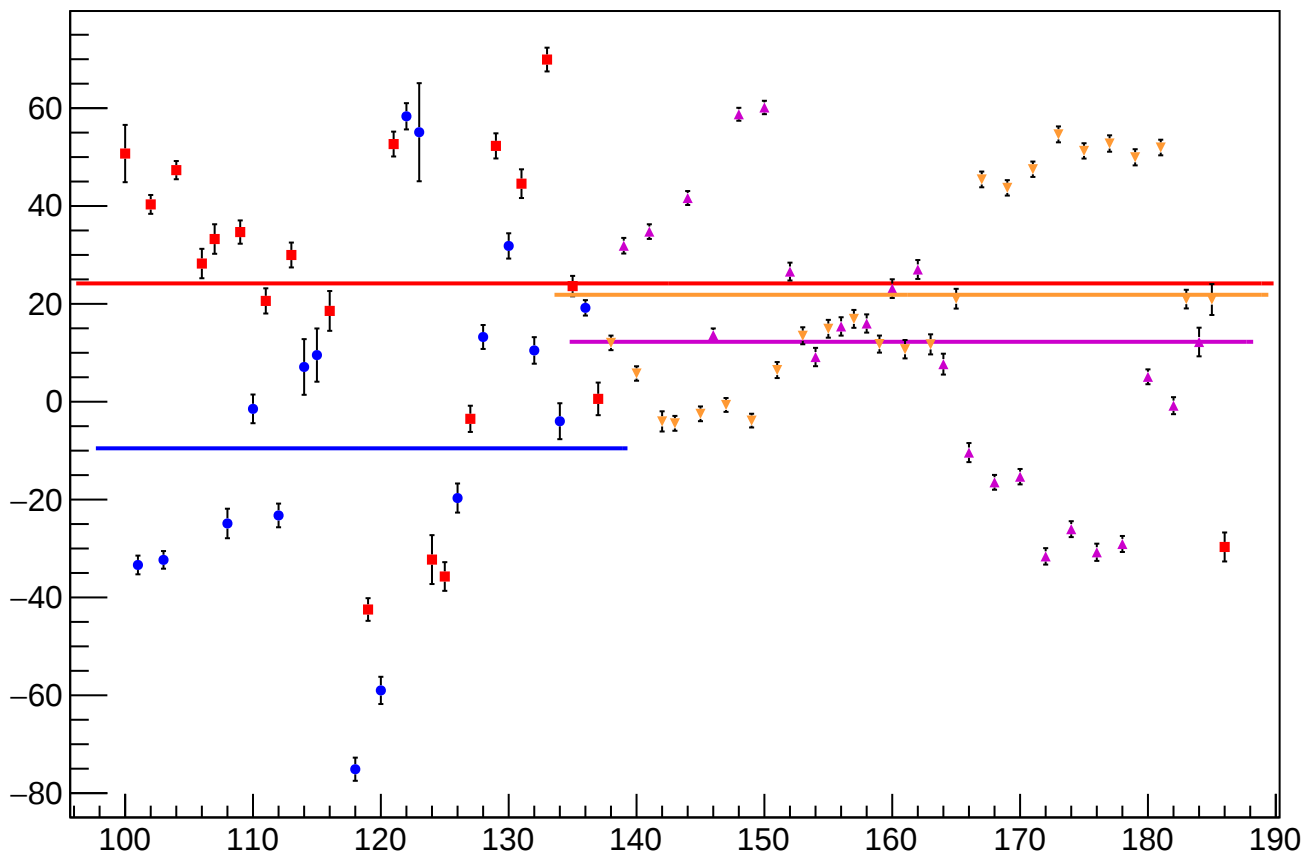
Left In: 1767.410 ± 0.301 χ^2/NDF : 187958.2/22

+ sign 1692.814 ± 0.240 χ^2/NDF : 407096.2/41

All: 1689.122 ± 0.170 χ^2/NDF : 901575.4/84

- sign 1685.414 ± 0.240 χ^2/NDF : 494003.9/42

diff_bpm0i02aY_mean vs Slug



Right In: -9.523 ± 0.627 χ^2/NDF : 2908.8/16

Left Out: 21.856 ± 0.335 χ^2/NDF : 4110.5/24

Right Out: 24.179 ± 0.592 χ^2/NDF : 2795.9/19

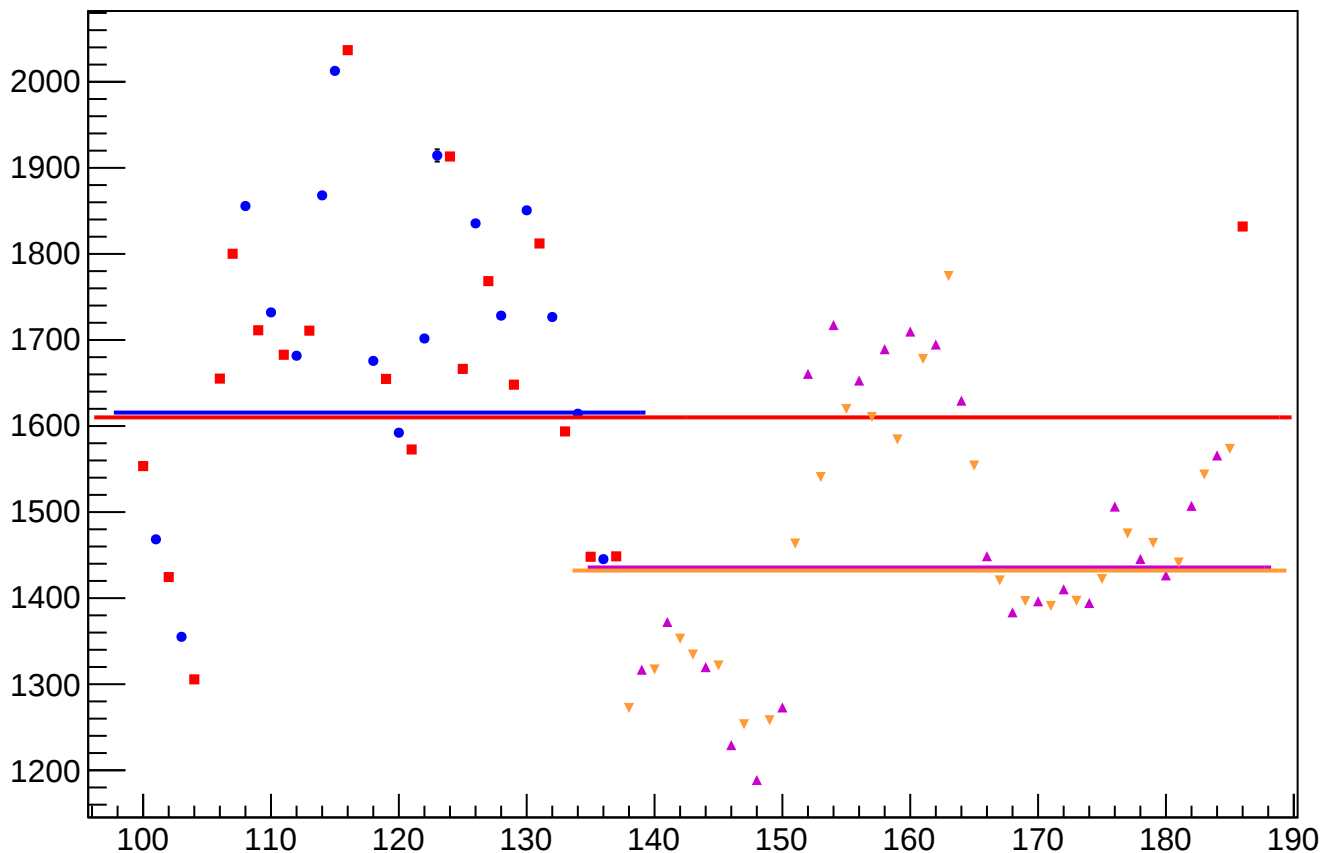
Left In: 12.246 ± 0.347 χ^2/NDF : 6781.6/22

+ sign 14.883 ± 0.296 χ^2/NDF : 8965.1/41

All: 15.090 ± 0.210 χ^2/NDF : 18846.4/84

- sign 15.302 ± 0.299 χ^2/NDF : 9880.3/42

diff_bpm0i02aY_rms vs Slug



Right In: 1615.627 $\pm$ 0.444 χ^2 /NDF: 149190.0/16

Left Out: 1432.060 $\pm$ 0.237 χ^2 /NDF: 297360.3/24

Right Out: 1610.055 $\pm$ 0.418 χ^2 /NDF: 165216.8/19

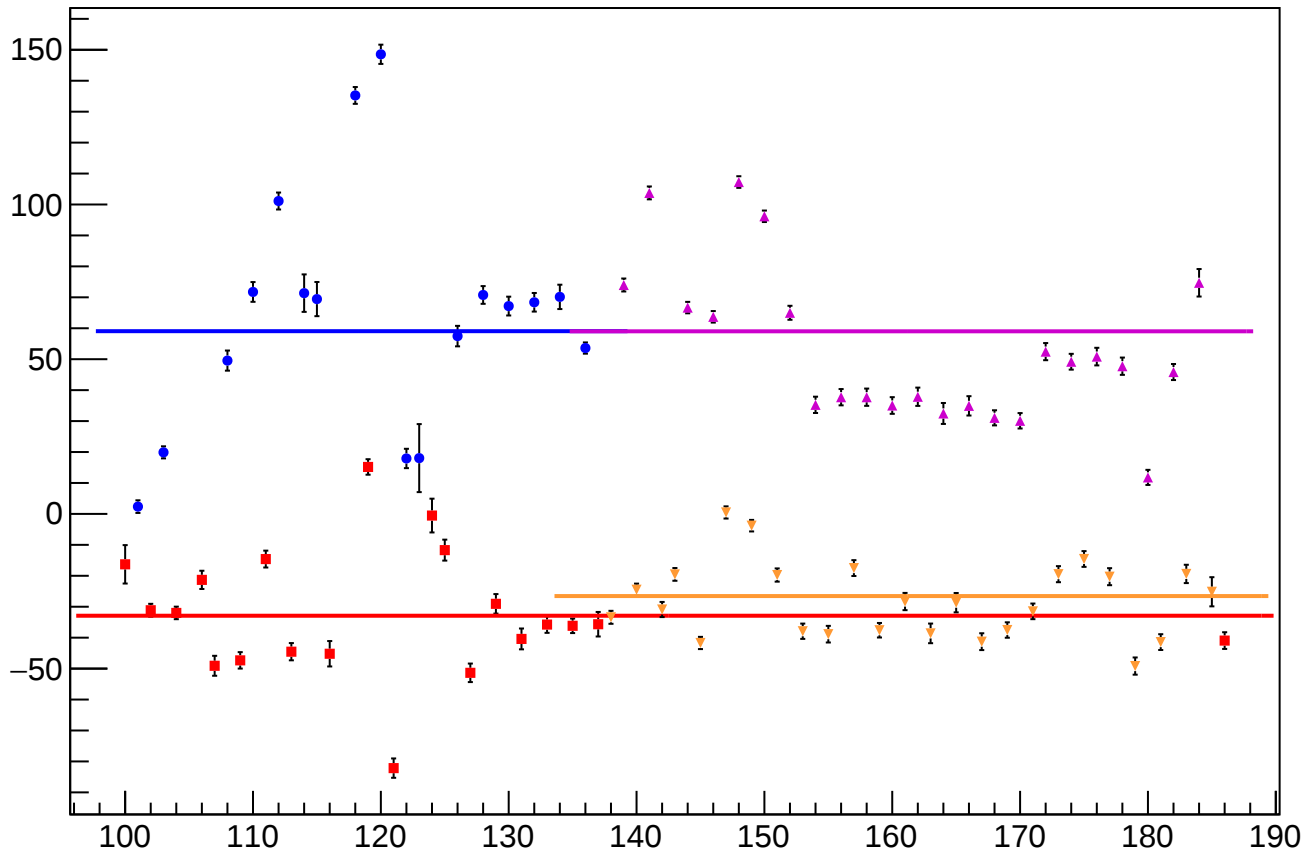
Left In: 1435.645 $\pm$ 0.245 χ^2 /NDF: 420835.0/22

+ sign 1472.848 $\pm$ 0.209 χ^2 /NDF: 579730.1/41

All: 1476.533 $\pm$ 0.149 χ^2 /NDF: 1295758.2/84

- sign 1480.308 $\pm$ 0.212 χ^2 /NDF: 715399.4/42

diff_bpm0i05X_mean vs Slug



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

Left Out: -26.554+/-0.488 χ^2/NDF : 717.5/24

Right Out: -32.909+/-0.648 χ^2/NDF : 897.5/19

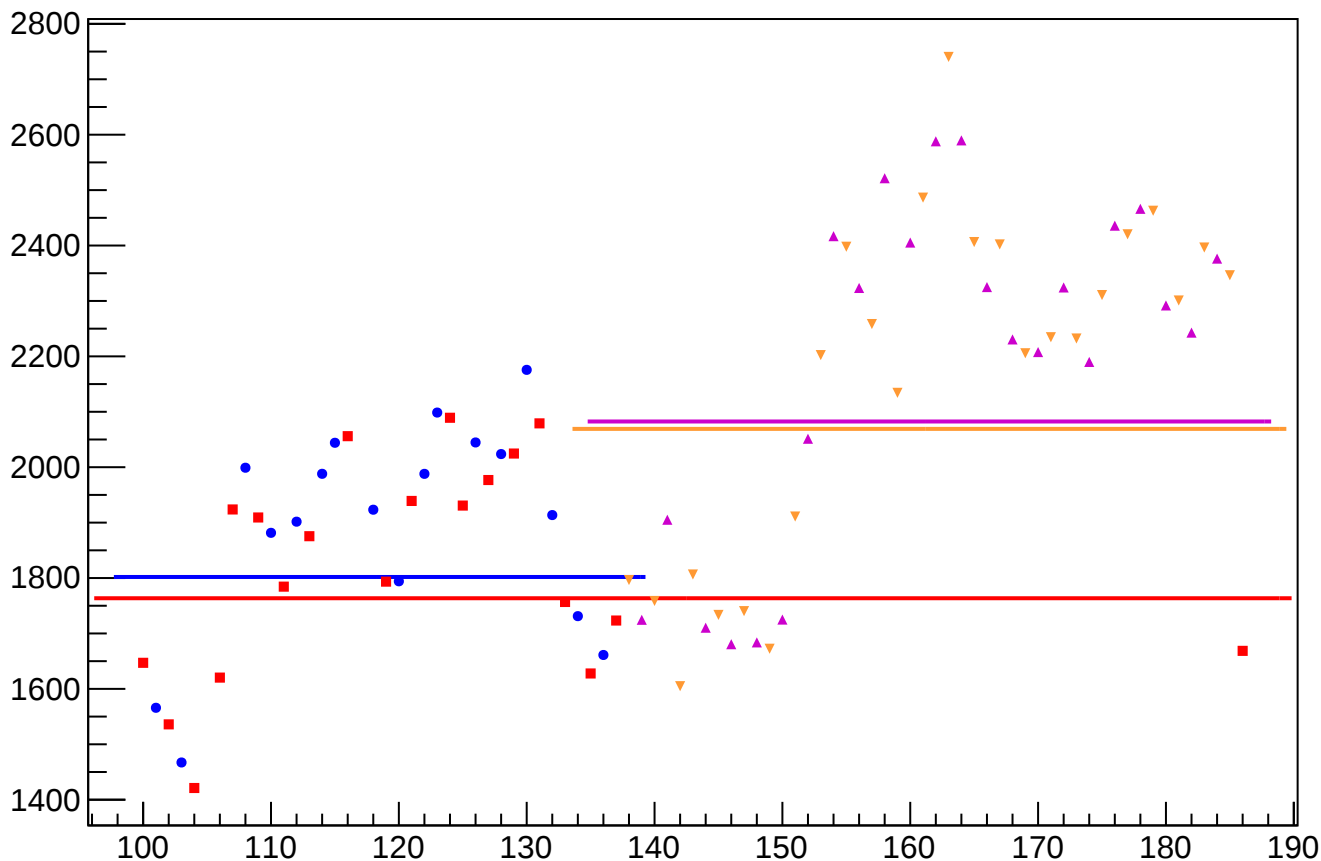
Left In: 59.014+/-0.506 χ^2/NDF : 2783.8/22

+ sign 1.410+/-0.400 χ^2/NDF : 14069.3/41

All: 12.819+/-0.283 χ^2/NDF : 31864.7/84

- sign 24.153+/-0.399 χ^2/NDF : 16176.4/42

diff_bpm0i05X_rms vs Slug



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

Left Out: 2069.146 $\pm$ 0.345 χ^2 /NDF: 799037.9/24

Right Out: 1763.544 $\pm$ 0.458 χ^2 /NDF: 180440.8/19

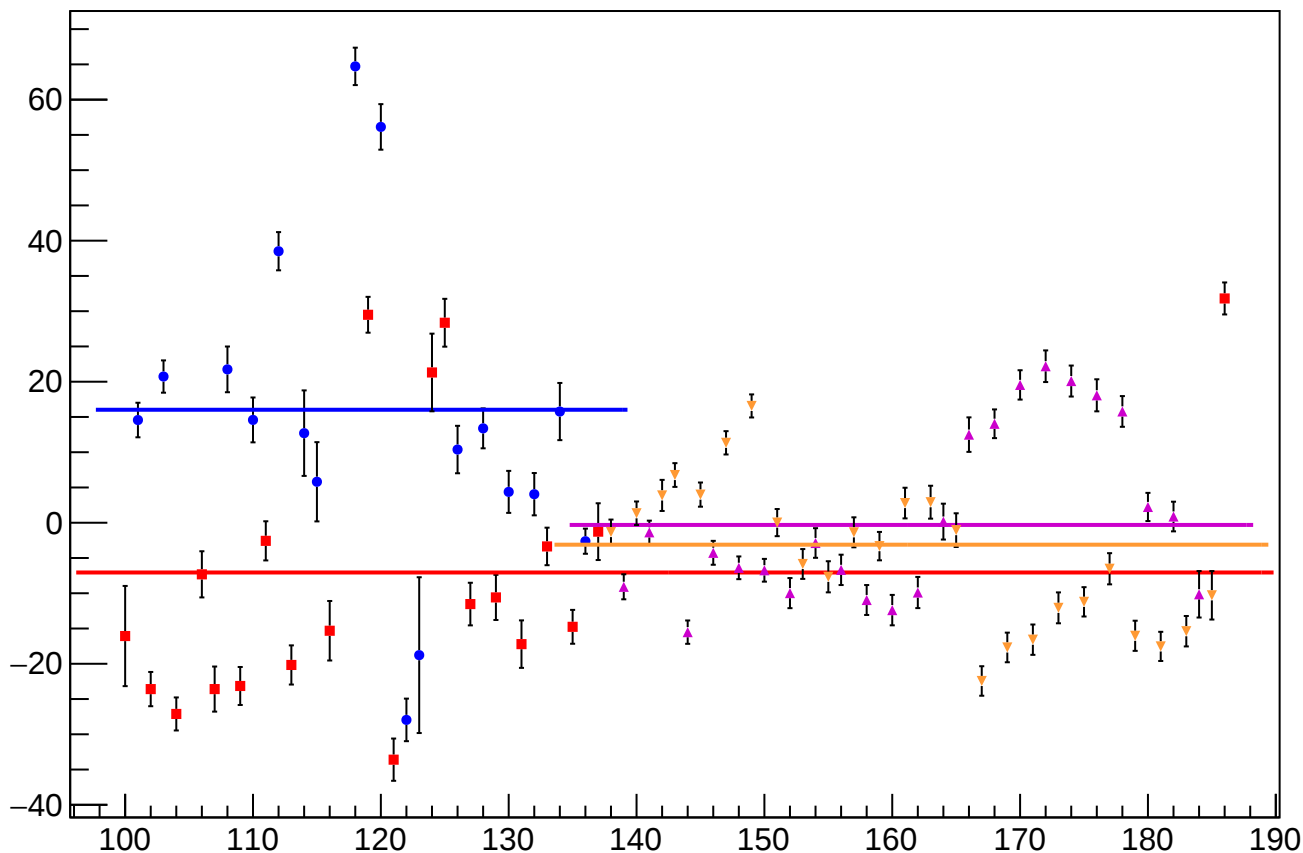
Left In: 2082.497 $\pm$ 0.358 χ^2 /NDF: 785304.0/22

+ sign 1981.858 $\pm$ 0.283 χ^2 /NDF: 1178599.1/41

All: 1971.663 $\pm$ 0.200 χ^2 /NDF: 2447797.5/84

- sign 1961.536 $\pm$ 0.282 χ^2 /NDF: 1266613.0/42

diff_bpm0i05Y_mean vs Slug



Right In: 16.023 ± 0.723 $\chi^2/\text{NDF}: 938.1/16$

Left Out: -3.112 ± 0.404 $\chi^2/\text{NDF}: 643.7/24$

Right Out: -7.055 ± 0.664 $\chi^2/\text{NDF}: 953.5/19$

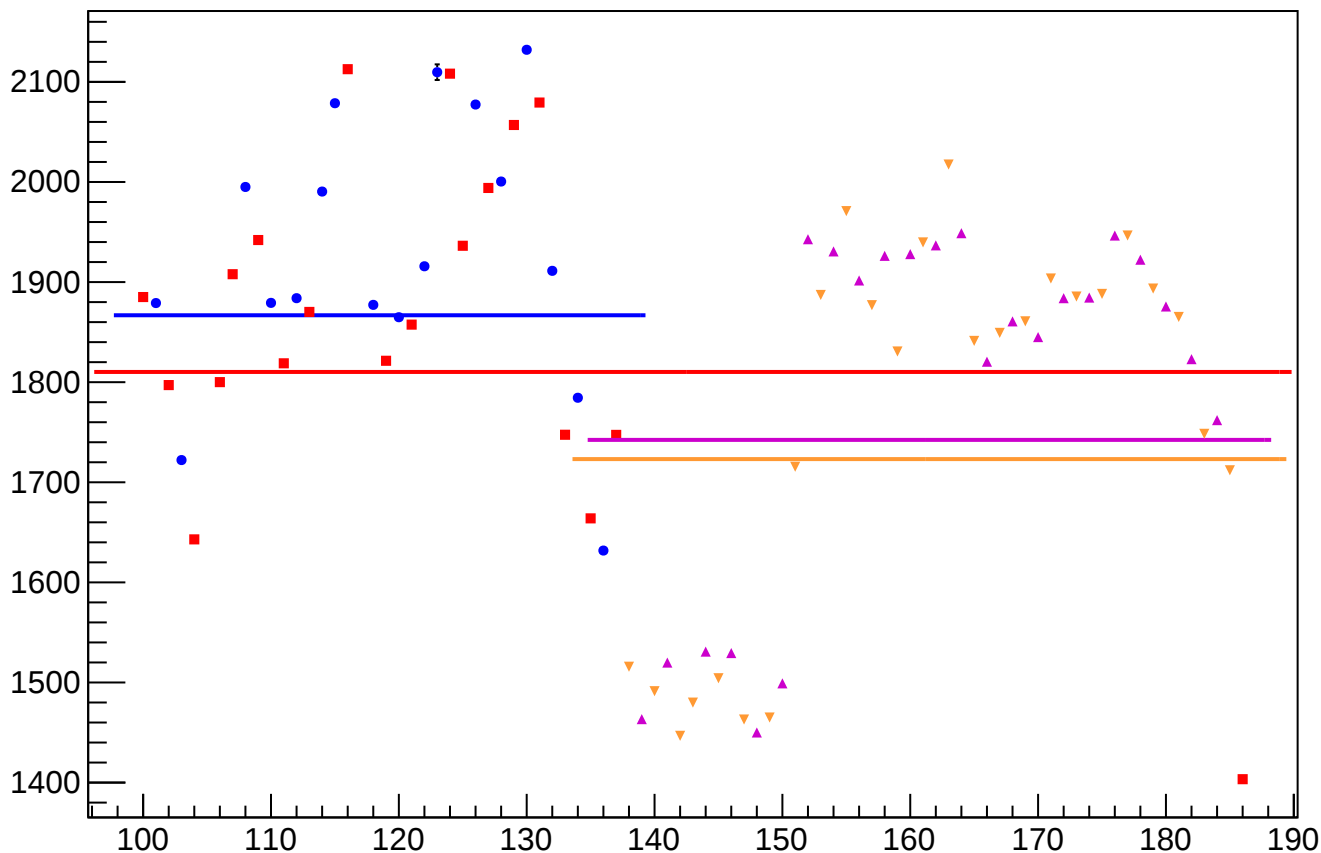
Left In: -0.312 ± 0.421 $\chi^2/\text{NDF}: 736.5/22$

+ sign 1.448 ± 0.353 $\chi^2/\text{NDF}: 2115.8/41$

All: -0.384 ± 0.250 $\chi^2/\text{NDF}: 3933.7/84$

- sign -2.246 ± 0.356 $\chi^2/\text{NDF}: 1763.6/42$

diff_bpm0i05Y_rms vs Slug



Right In: 1866.855 $\pm$ 0.511 χ^2 /NDF: 80657.5/16

Left Out: 1723.168 $\pm$ 0.286 χ^2 /NDF: 477441.1/24

Right Out: 1810.228 $\pm$ 0.470 χ^2 /NDF: 142906.1/19

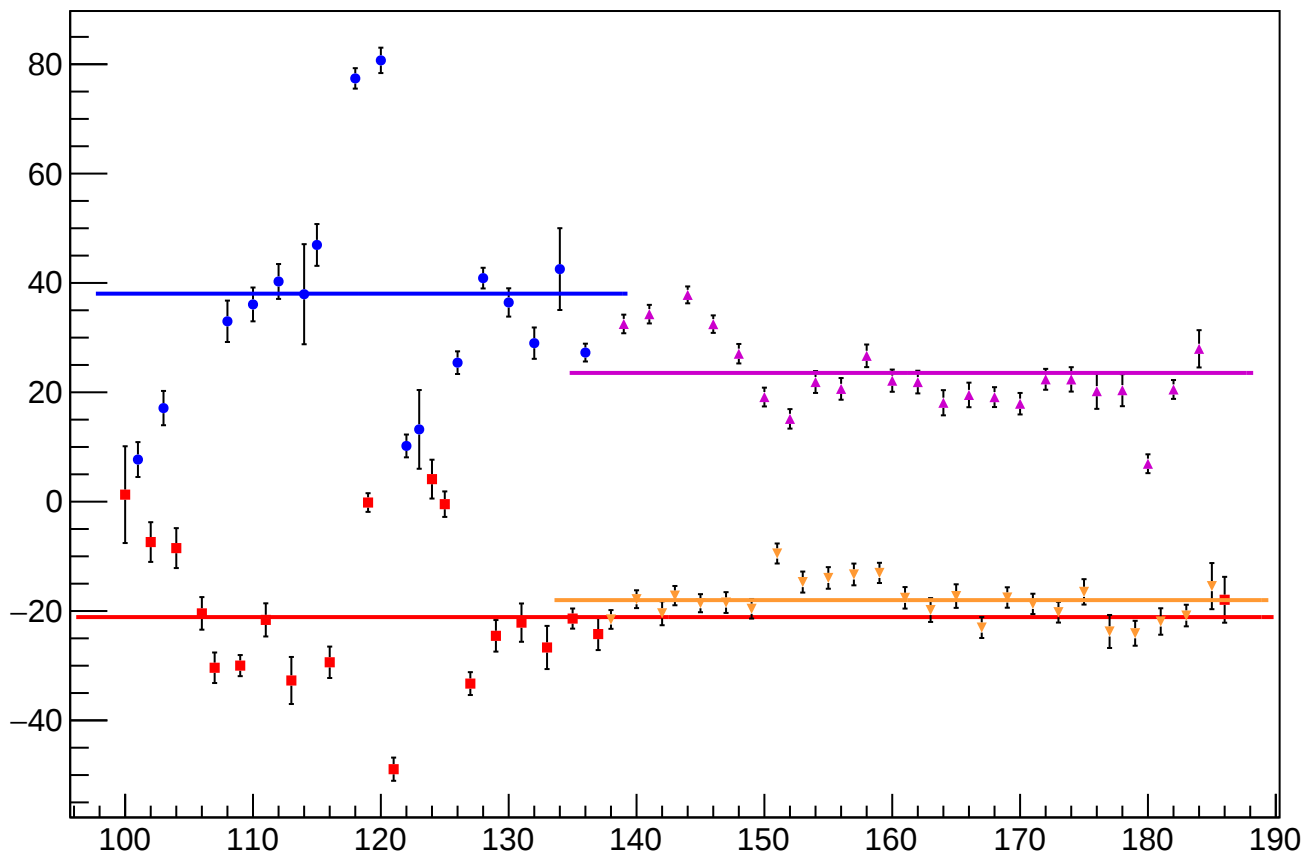
Left In: 1742.354 $\pm$ 0.298 χ^2 /NDF: 435841.5/22

+ sign 1757.410 $\pm$ 0.249 χ^2 /NDF: 618317.6/41

All: 1759.598 $\pm$ 0.177 χ^2 /NDF: 1212123.8/84

- sign 1761.820 $\pm$ 0.251 χ^2 /NDF: 593651.2/42

diff_bpm0i07X_mean vs Slug



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

Left Out: -18.007 ± 0.397 χ^2/NDF : 73.8/24

Right Out: -21.111 ± 0.603 χ^2/NDF : 570.6/19

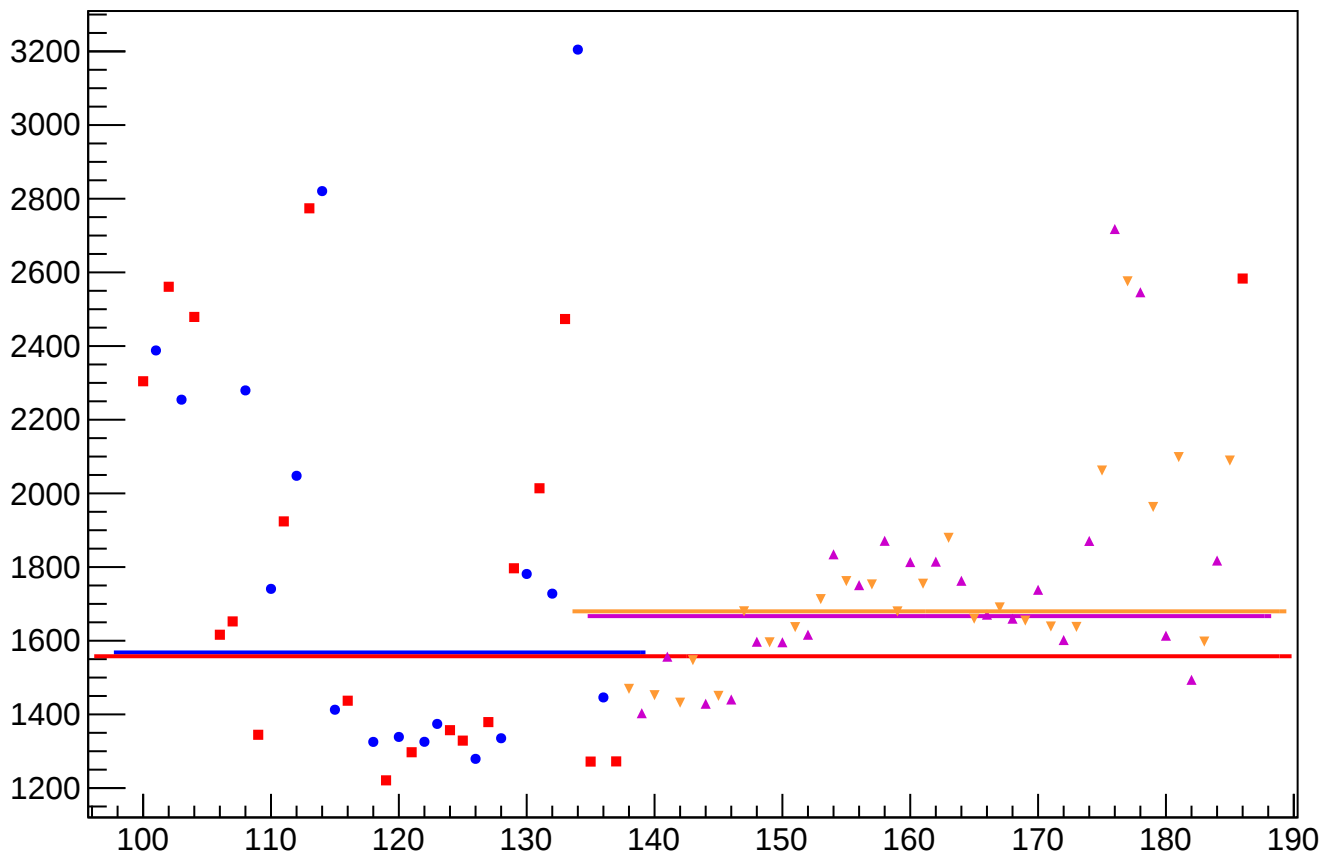
Left In: 23.544 ± 0.406 χ^2/NDF : 346.7/22

+ sign -2.407 ± 0.337 χ^2/NDF : 6837.8/41

All: 3.622 ± 0.238 χ^2/NDF : 12168.3/84

- sign 9.638 ± 0.337 χ^2/NDF : 4691.0/42

diff_bpm0i07X_rms vs Slug



Right In: 1568.172 $\pm$ 0.452 χ^2 /NDF: 668072.7/16

Left Out: 1679.814 $\pm$ 0.281 χ^2 /NDF: 522795.6/24

Right Out: 1557.869 $\pm$ 0.427 χ^2 /NDF: 1004398.4/19

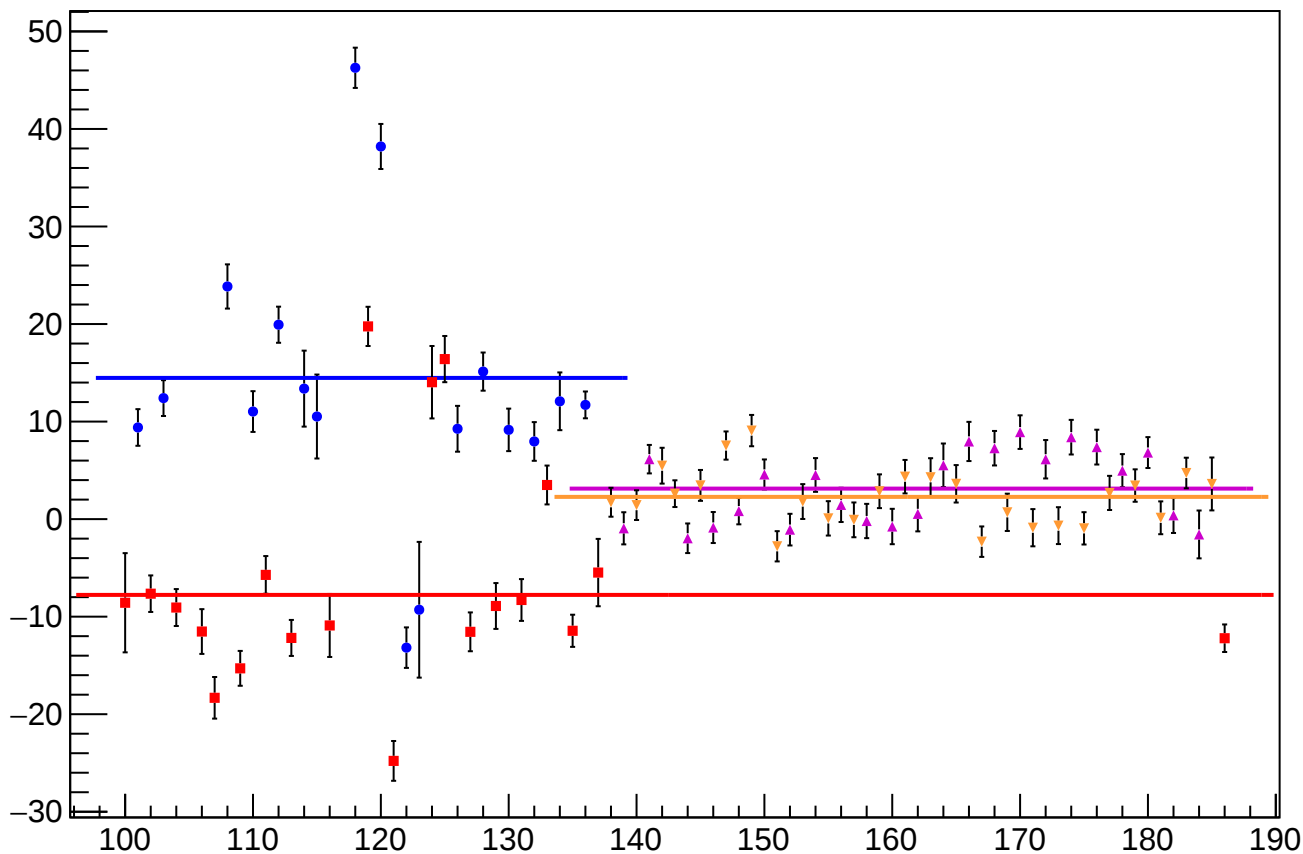
Left In: 1666.819 $\pm$ 0.287 χ^2 /NDF: 650990.8/22

+ sign 1648.741 $\pm$ 0.238 χ^2 /NDF: 1234959.1/41

All: 1640.807 $\pm$ 0.168 χ^2 /NDF: 2937487.6/84

- sign 1632.891 $\pm$ 0.238 χ^2 /NDF: 1700314.0/42

diff_bpm0i07Y_mean vs Slug



Right In: 14.477 $\pm$ 0.524 χ^2 /NDF: 596.5/16

Left Out: 2.280 $\pm$ 0.338 χ^2 /NDF: 75.6/24

Right Out: -7.769 $\pm$ 0.467 χ^2 /NDF: 500.1/19

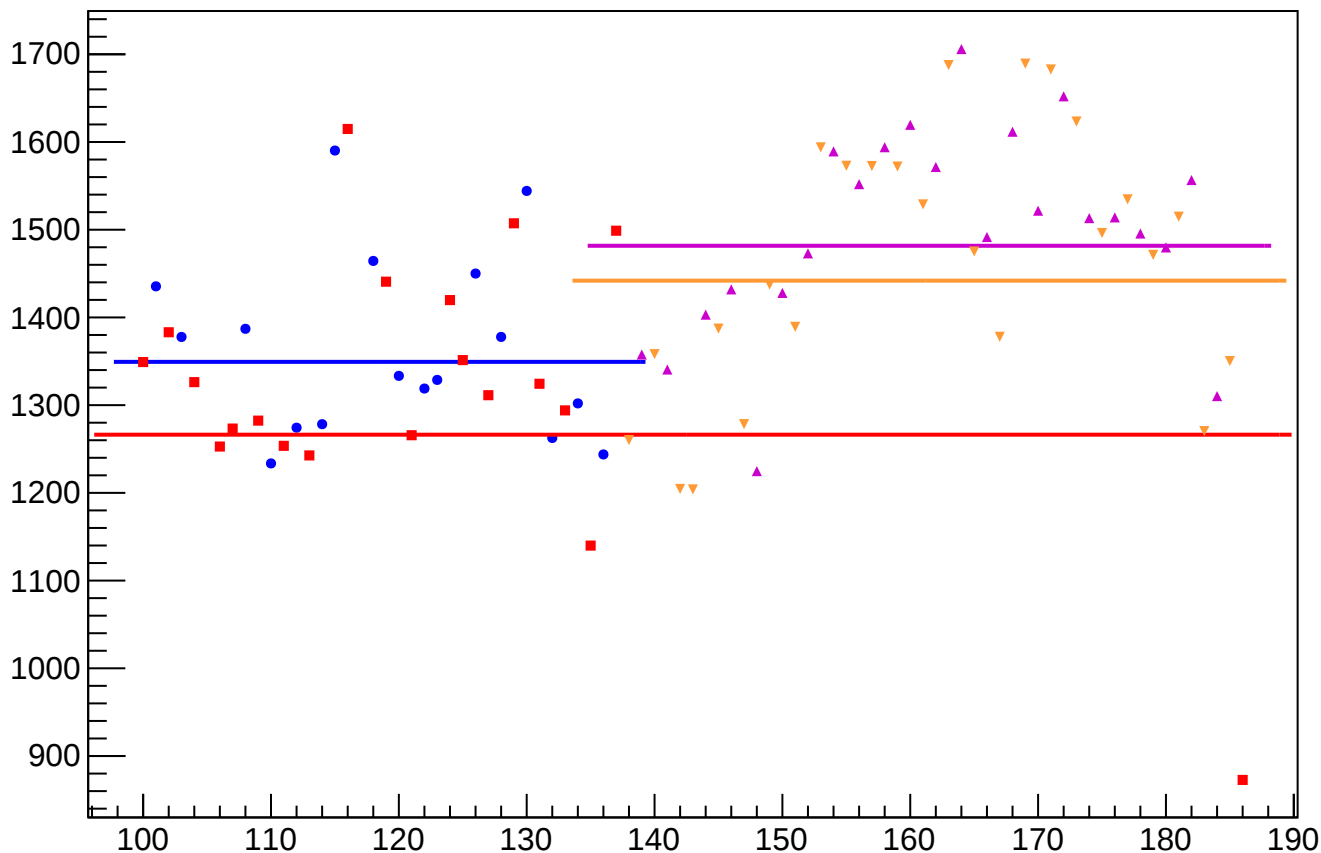
Left In: 3.129 $\pm$ 0.358 χ^2 /NDF: 103.4/22

+ sign 5.867 $\pm$ 0.284 χ^2 /NDF: 1054.5/41

All: 2.484 $\pm$ 0.201 χ^2 /NDF: 2284.2/84

- sign -0.896 $\pm$ 0.284 χ^2 /NDF: 946.4/42

diff_bpm0i07Y_rms vs Slug



Right In: 1349.357 $\pm$ 0.371 χ^2 /NDF: 64580.7/16

Left Out: 1441.951 $\pm$ 0.239 χ^2 /NDF: 370617.4/24

Right Out: 1266.316 $\pm$ 0.330 χ^2 /NDF: 255260.9/19

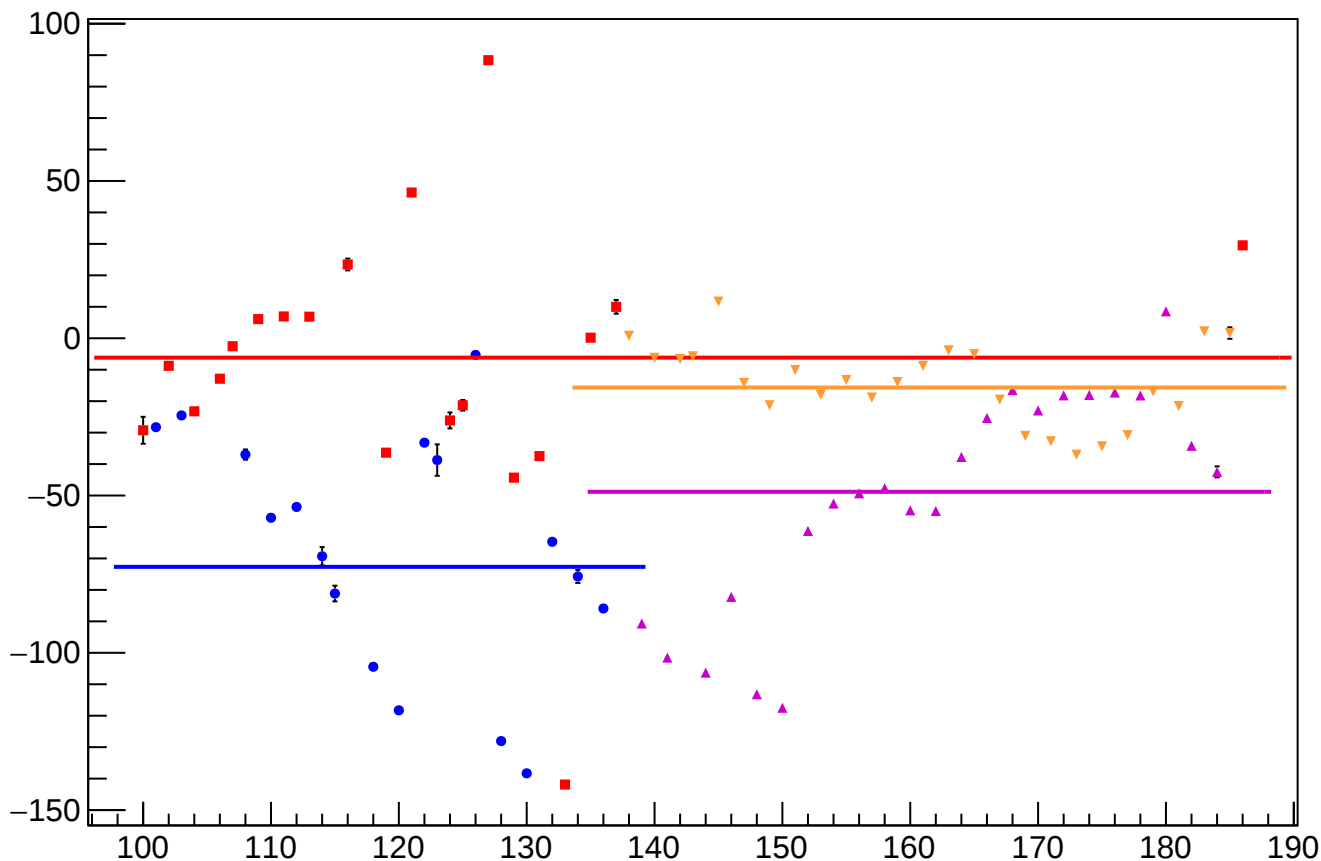
Left In: 1481.695 $\pm$ 0.253 χ^2 /NDF: 208470.6/22

+ sign 1414.722 $\pm$ 0.201 χ^2 /NDF: 479271.4/41

All: 1408.436 $\pm$ 0.142 χ^2 /NDF: 1212830.3/84

- sign 1402.157 $\pm$ 0.201 χ^2 /NDF: 731602.9/42

diff_bpm1i02X_mean vs Slug



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

Left Out: -15.666+/-0.212 χ^2/NDF : 3518.1/24

Right Out: -6.159+/-0.333 χ^2/NDF : 19558.8/19

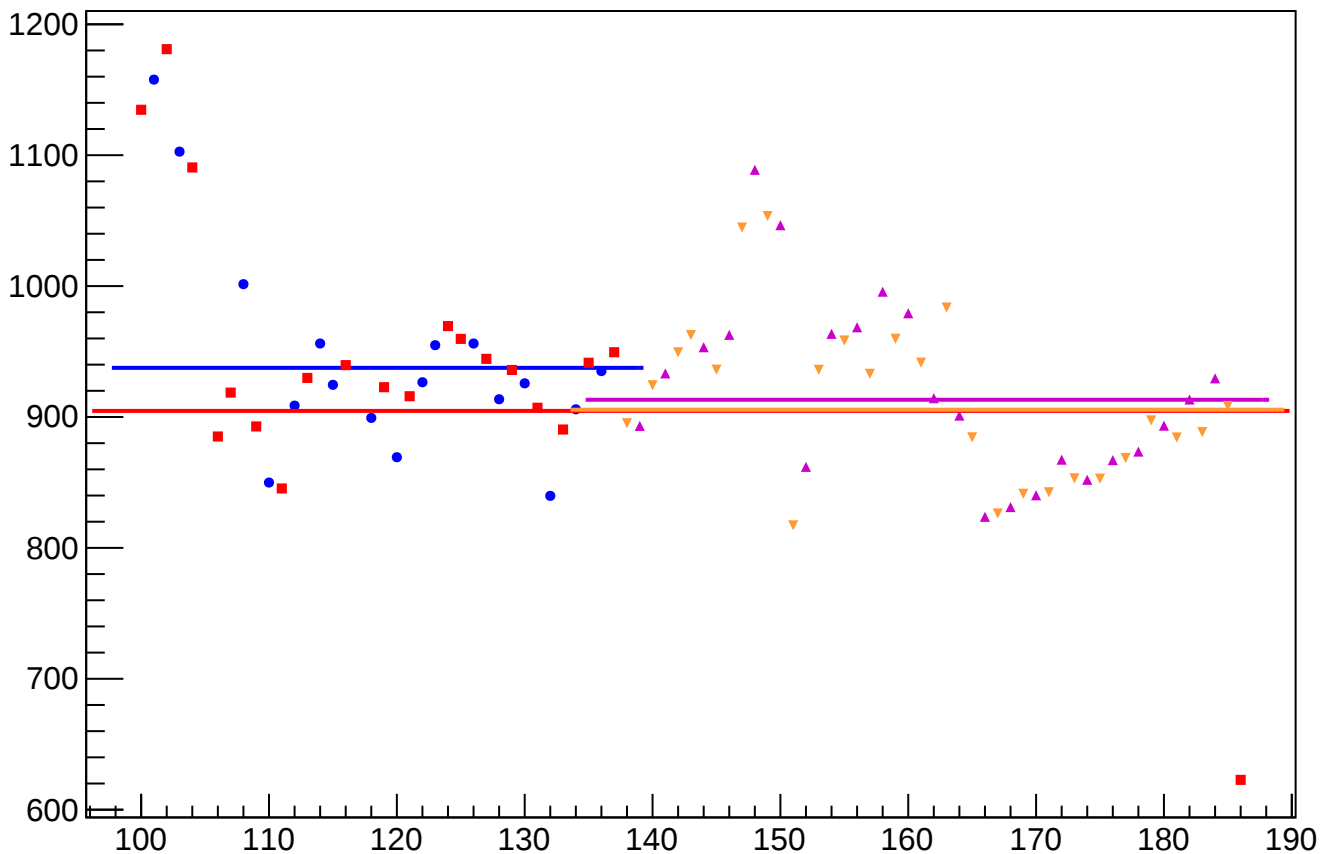
Left In: -48.812+/-0.220 χ^2/NDF : 25260.8/22

+ sign -30.114+/-0.183 χ^2/NDF : 33531.8/41

All: -32.979+/-0.129 χ^2/NDF : 90266.3/84

- sign -35.867+/-0.183 χ^2/NDF : 56241.0/42

diff_bpm1i02X_rms vs Slug



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

Left Out: 905.578 $\pm$ 0.150 χ^2 /NDF: 162073.5/24

Right Out: 904.655 $\pm$ 0.236 χ^2 /NDF: 266339.6/19

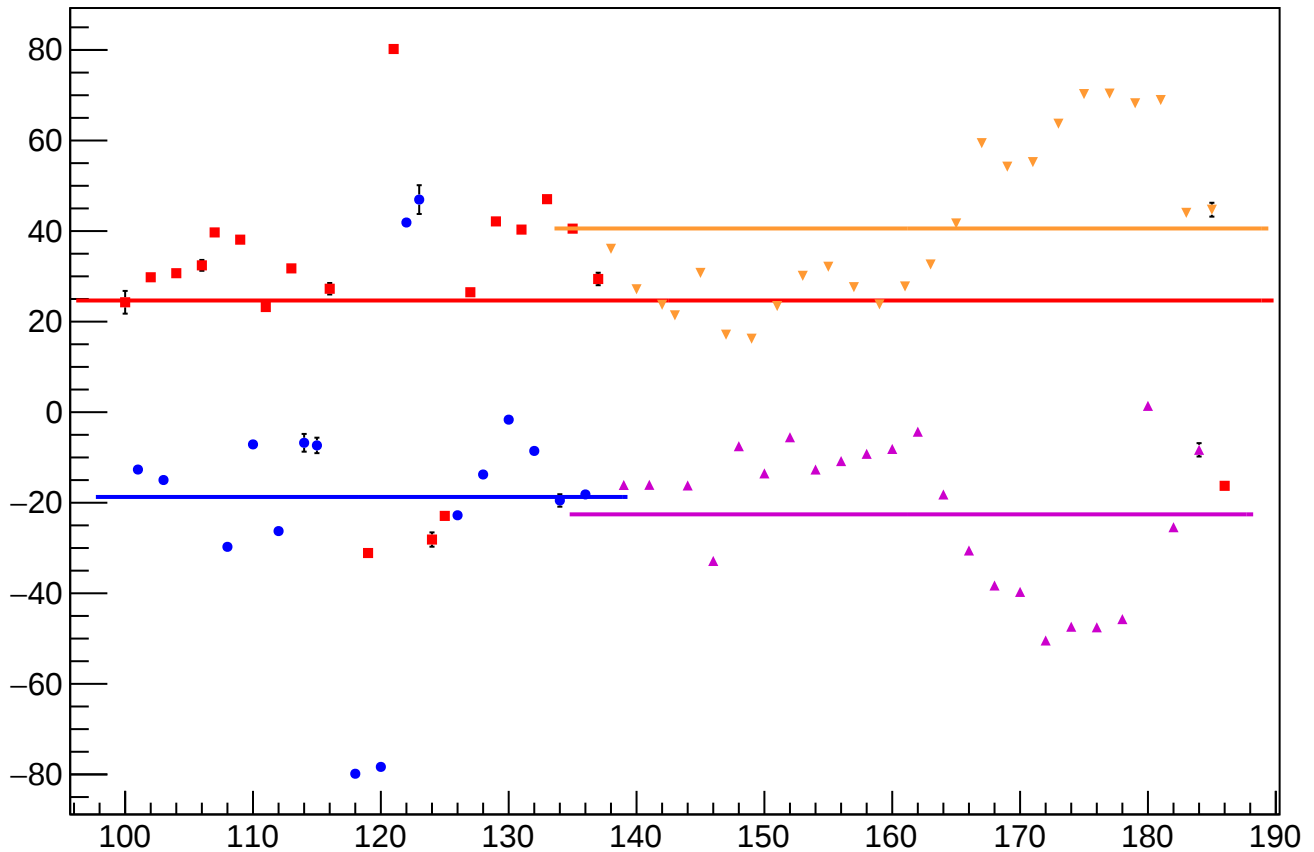
Left In: 913.165 $\pm$ 0.155 χ^2 /NDF: 174438.8/22

+ sign 913.681 $\pm$ 0.129 χ^2 /NDF: 271885.6/41

All: 912.138 $\pm$ 0.092 χ^2 /NDF: 713859.8/84

- sign 910.582 $\pm$ 0.130 χ^2 /NDF: 441687.8/42

diff_bpm1i02Y_mean vs Slug



Right In: -18.723 ± 0.243 χ^2/NDF : 12999.6/16

Left Out: 40.573 ± 0.168 χ^2/NDF : 12079.0/24

Right Out: 24.668 ± 0.226 χ^2/NDF : 15416.2/19

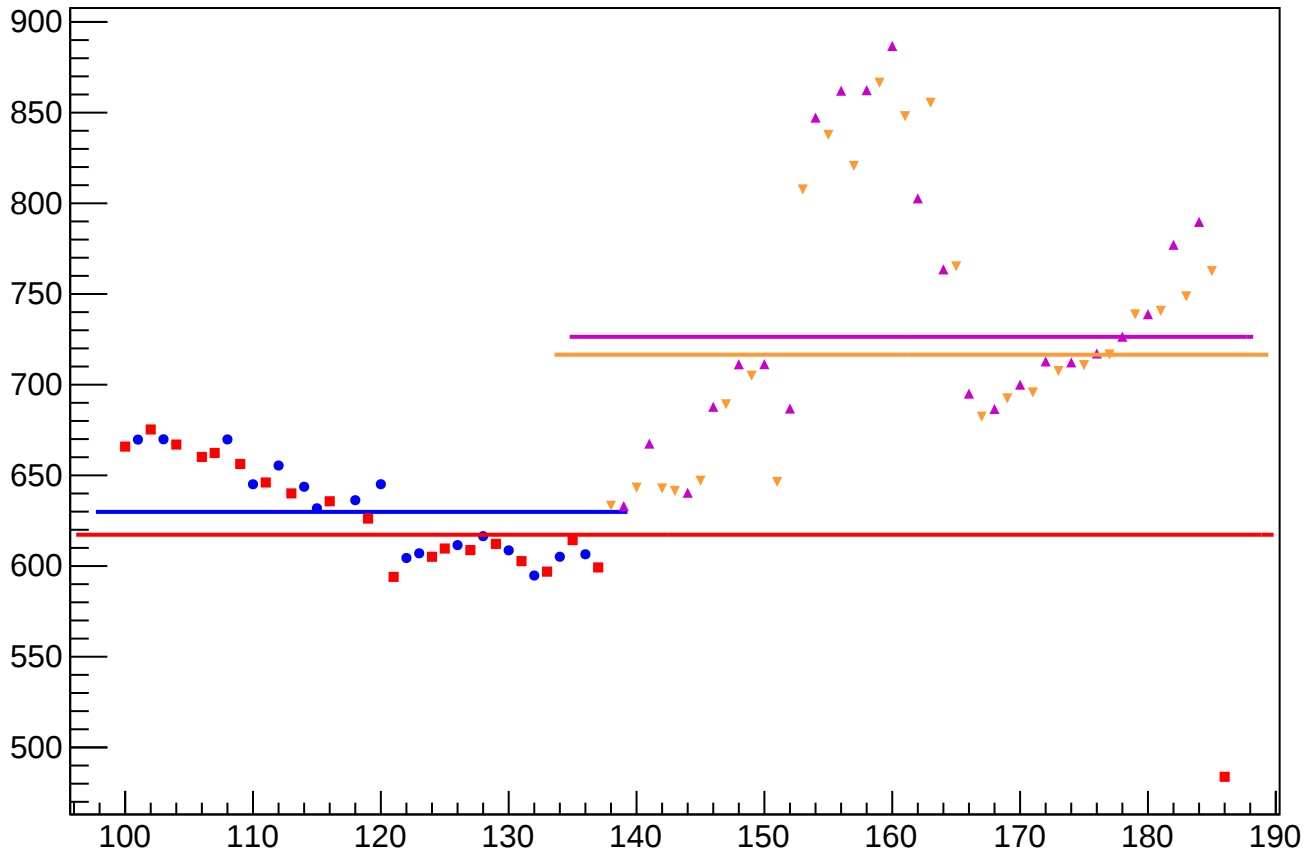
Left In: -22.565 ± 0.175 χ^2/NDF : 8167.7/22

+ sign 21.432 ± 0.138 χ^2/NDF : 65367.3/41

All: 8.346 ± 0.098 χ^2/NDF : 134252.6/84

- sign -4.807 ± 0.138 χ^2/NDF : 50884.9/42

diff_bpm1i02Y_rms vs Slug



Right In: 629.857 $\pm$ 0.172 χ^2 /NDF: 23252.7/16

Left Out: 716.515 $\pm$ 0.119 χ^2 /NDF: 342740.2/24

Right Out: 617.260 $\pm$ 0.160 χ^2 /NDF: 89098.3/19

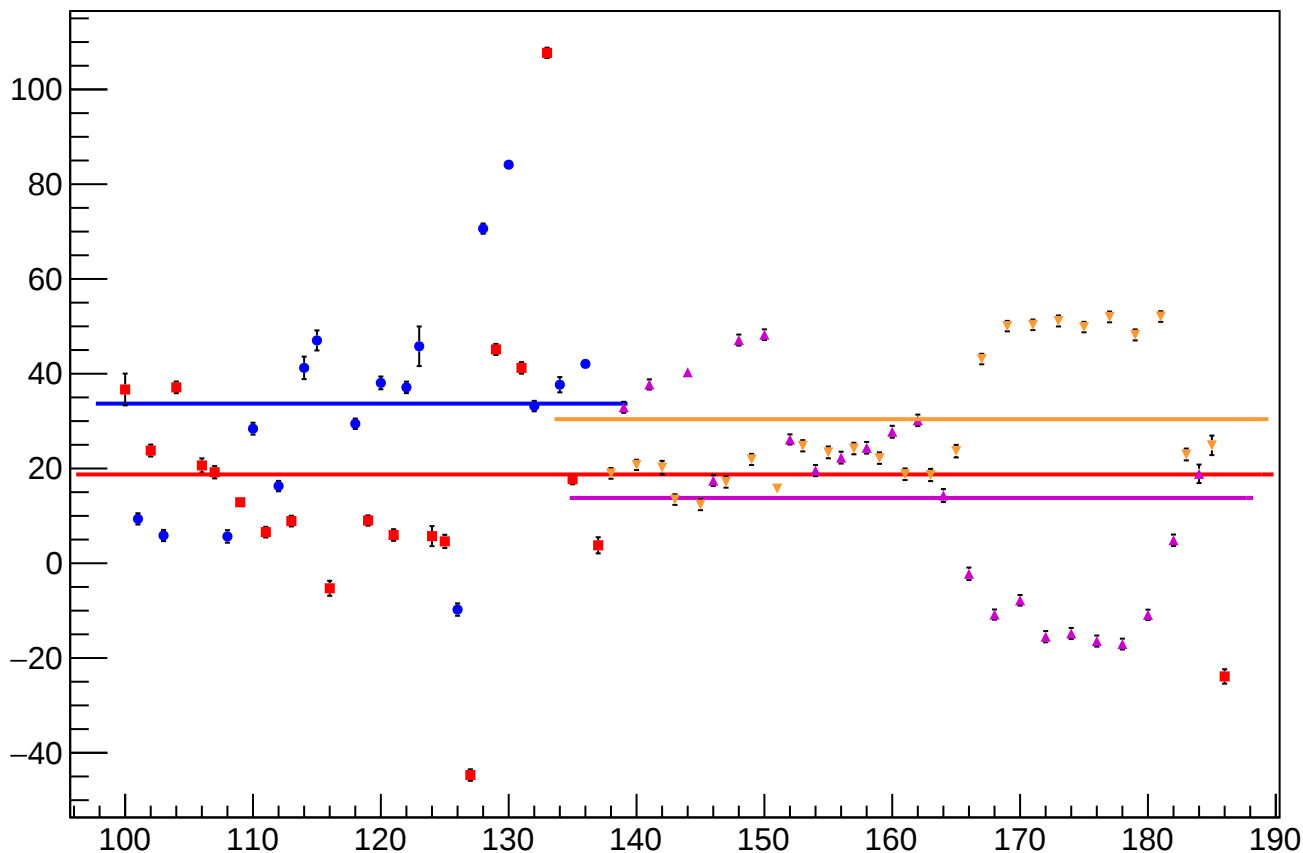
Left In: 726.390 $\pm$ 0.124 χ^2 /NDF: 289788.8/22

+ sign 688.542 $\pm$ 0.098 χ^2 /NDF: 538093.9/41

All: 686.955 $\pm$ 0.069 χ^2 /NDF: 1208988.6/84

- sign 685.359 $\pm$ 0.098 χ^2 /NDF: 670364.9/42

diff_bpm1i04X_mean vs Slug



Right In: 33.692 $\pm$ 0.300 χ^2 /NDF: 6428.2/16

Left Out: 30.408 $\pm$ 0.237 χ^2 /NDF:3808.0/24

Right Out: 18.743 $\pm$ 0.288 χ^2 /NDF: 12086.4/19

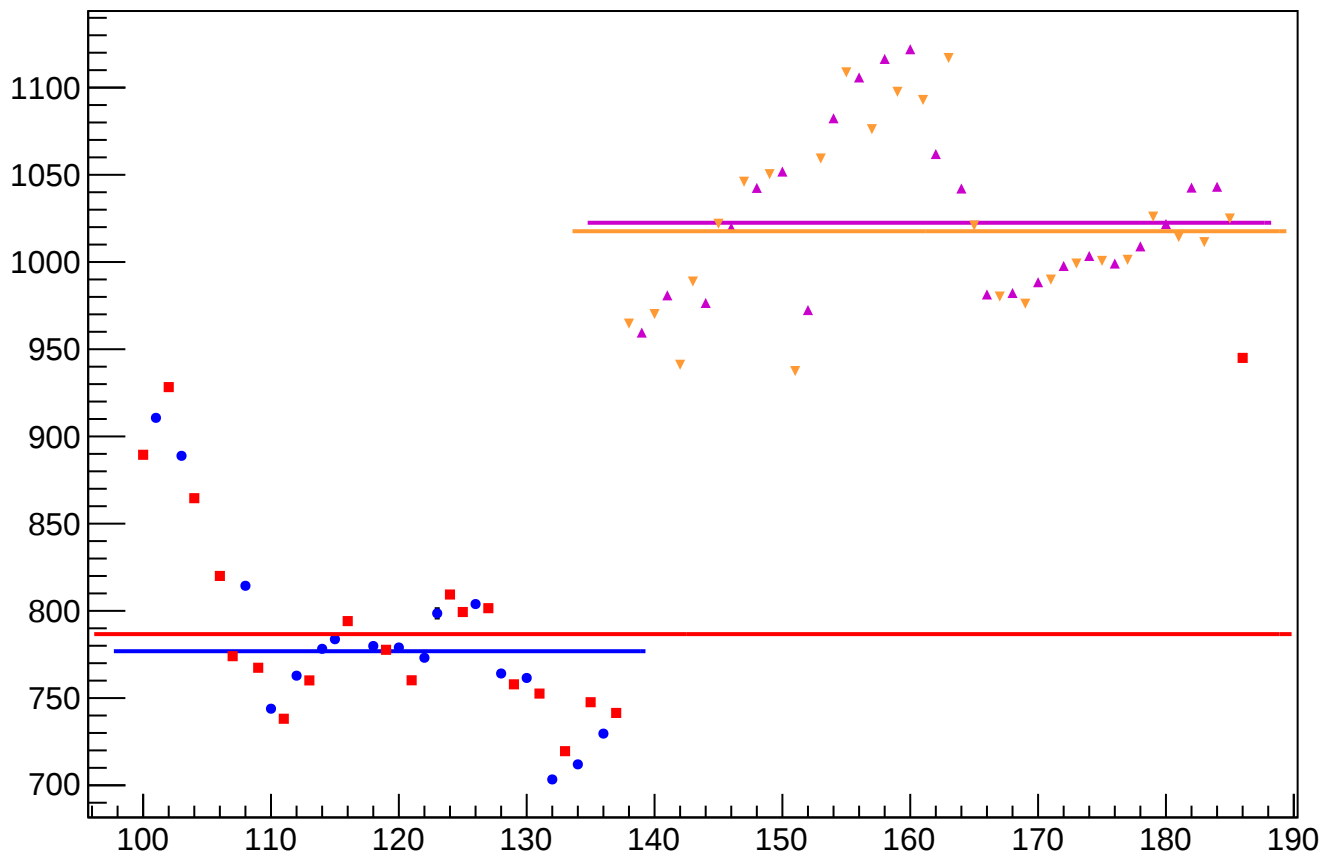
Left In: 13.787 $\pm$ 0.246 χ^2 /NDF:7979.7/22

+ sign 31.671 $\pm$ 0.186 χ^2 /NDF: 10309.8/41

All: 23.802 $\pm$ 0.132 χ^2 /NDF: 34129.3/84

- sign 15.878 $\pm$ 0.187 χ^2 /NDF: 20237.6/42

diff_bpm1i04X_rms vs Slug



Right In: 776.869 $\pm$ 0.212 χ^2 /NDF: 67447.3/16

Left Out: 1017.653 $\pm$ 0.168 χ^2 /NDF: 83612.5/24

Right Out: 786.673 $\pm$ 0.203 χ^2 /NDF: 79606.1/19

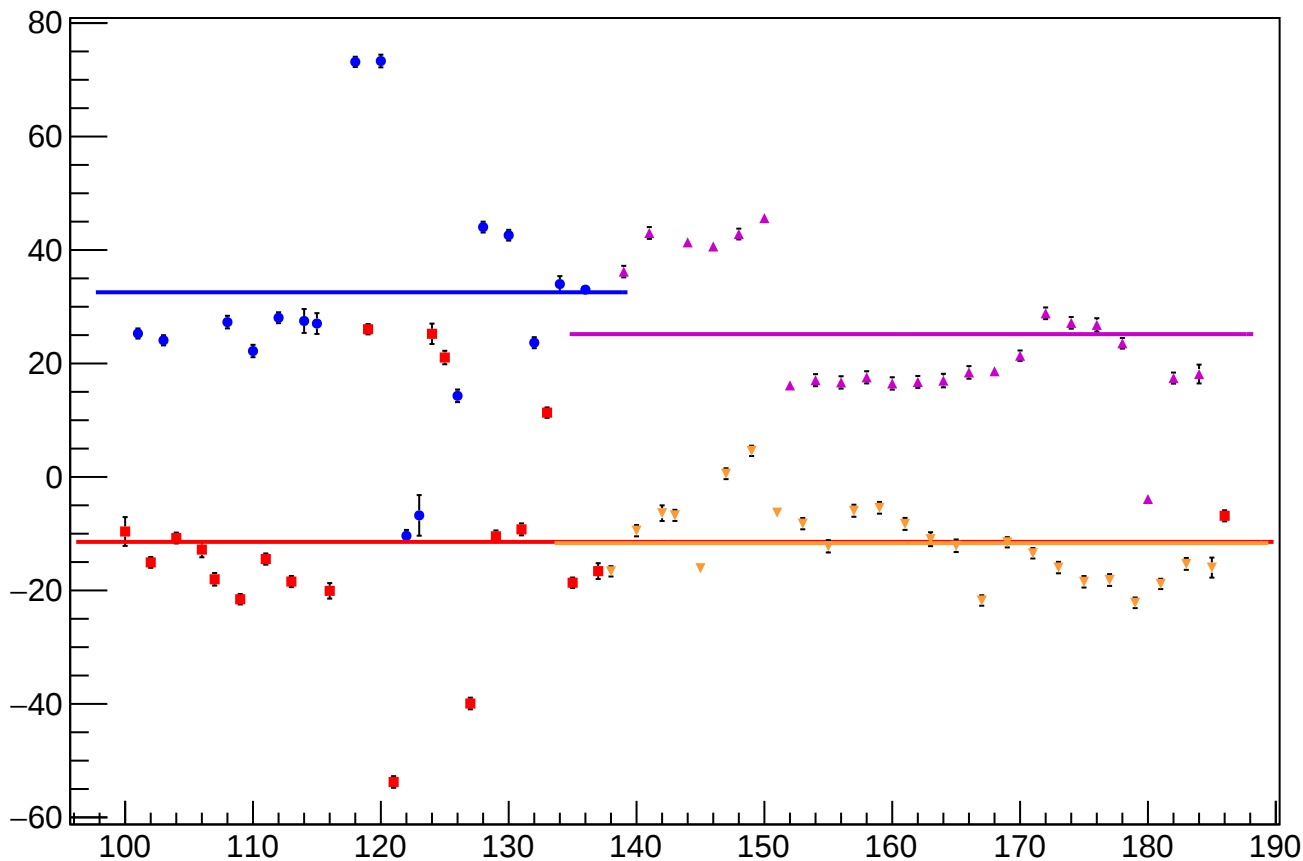
Left In: 1022.511 $\pm$ 0.174 χ^2 /NDF: 69635.5/22

+ sign 925.099 $\pm$ 0.132 χ^2 /NDF: 941914.0/41

All: 924.064 $\pm$ 0.093 χ^2 /NDF: 1867810.3/84

- sign 923.021 $\pm$ 0.132 χ^2 /NDF: 925772.3/42

diff_bpm1i04Y_mean vs Slug



Right In: 32.550 $\pm$ 0.253 χ^2 /NDF: 6077.4/16

Left Out: -11.664 $\pm$ 0.200 χ^2 /NDF: 1147.4/24

Right Out: -11.443 $\pm$ 0.240 χ^2 /NDF: 6336.7/19

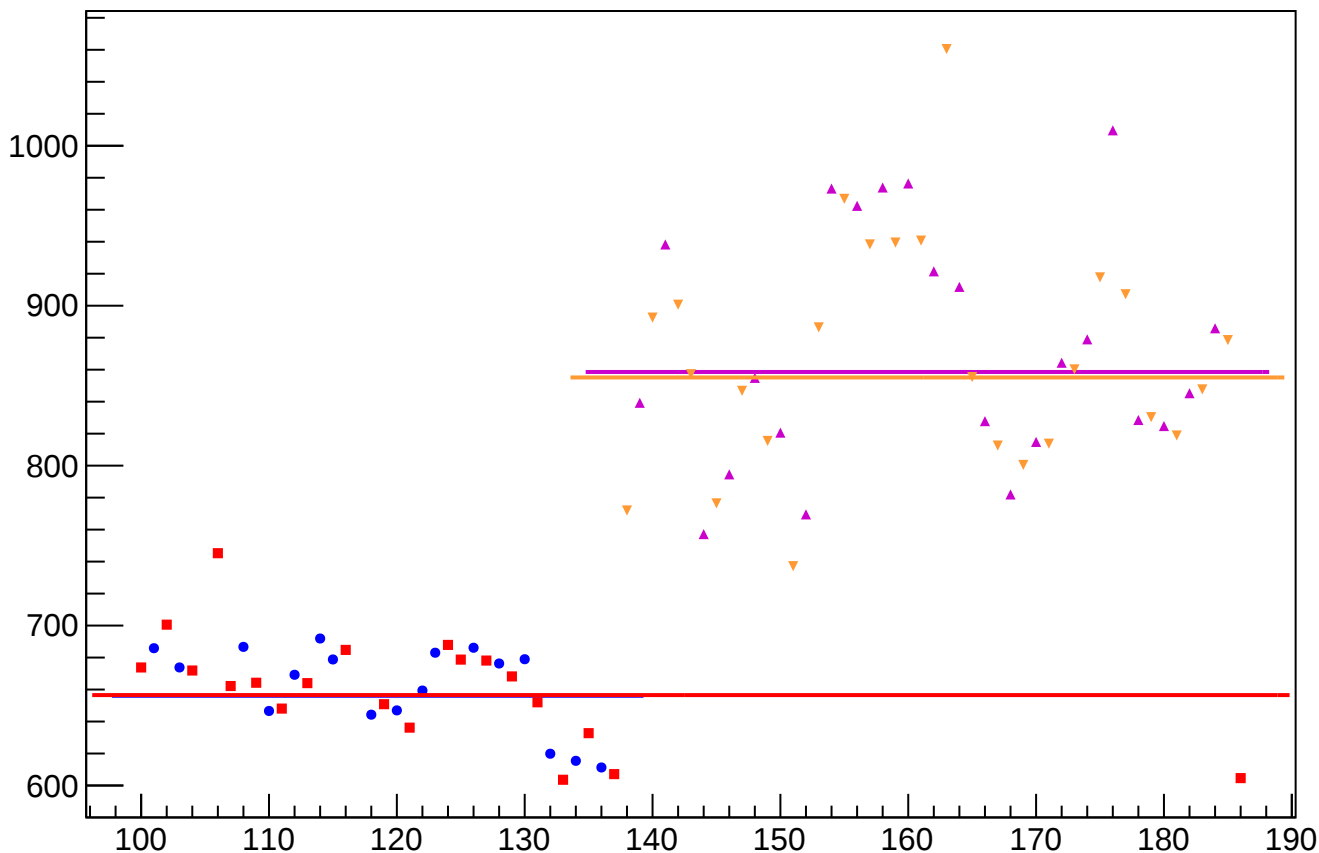
Left In: 25.174 $\pm$ 0.207 χ^2 /NDF: 3747.1/22

+ sign 5.346 $\pm$ 0.157 χ^2 /NDF: 25973.1/41

All: 7.432 $\pm$ 0.111 χ^2 /NDF: 49744.9/84

- sign 9.511 $\pm$ 0.157 χ^2 /NDF: 23419.8/42

diff_bpm1i04Y_rms vs Slug



Right In: 656.132 $\pm$ 0.179 χ^2 /NDF: 23518.0/16

Left Out: 855.131 $\pm$ 0.142 χ^2 /NDF:233746.7/24

Right Out: 656.535 $\pm$ 0.170 χ^2 /NDF: 34261.9/19

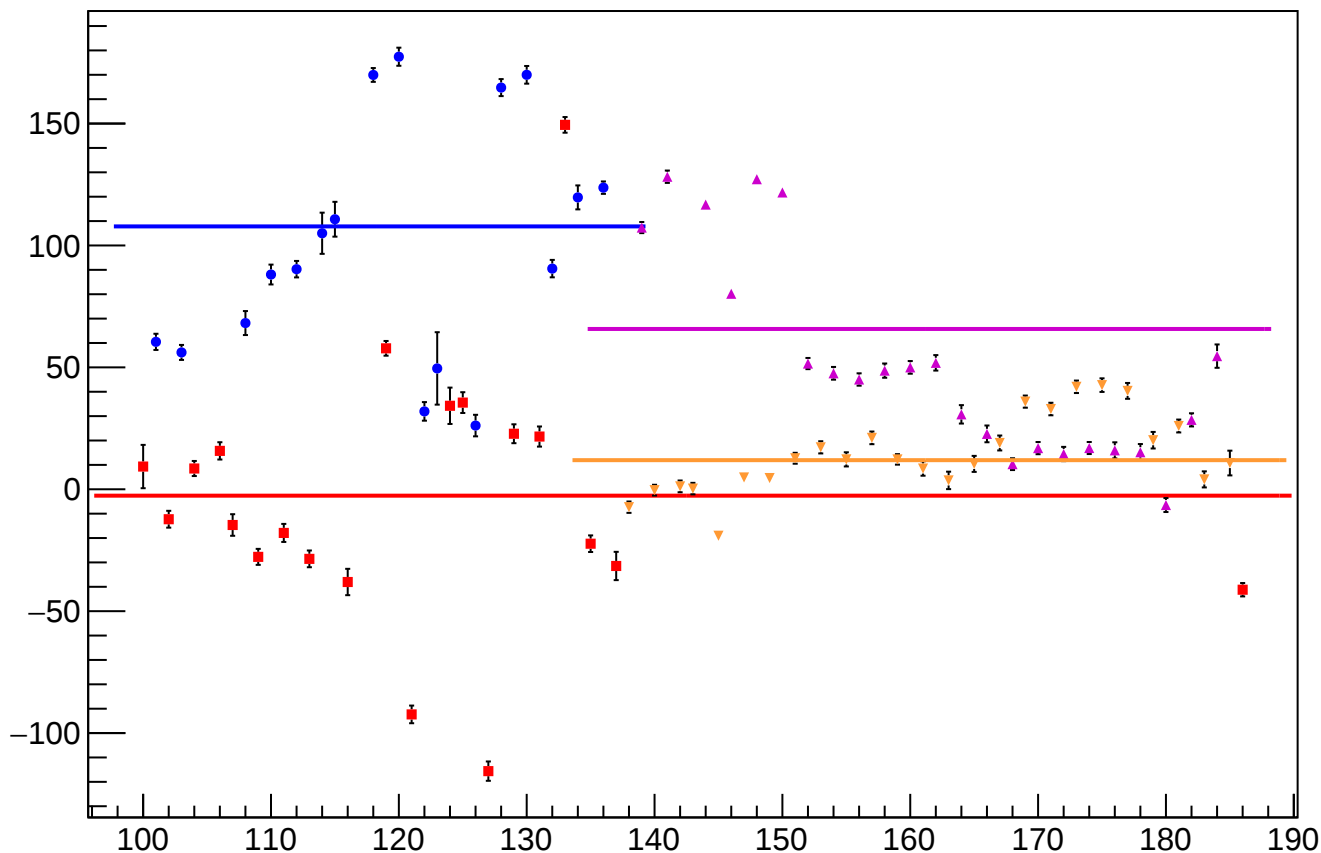
Left In: 858.563 $\pm$ 0.147 χ^2 /NDF:239019.8/22

+ sign 778.573 $\pm$ 0.111 χ^2 /NDF: 1016865.1/41

All: 775.356 $\pm$ 0.078 χ^2 /NDF: 2103758.2/84

- sign 772.148 $\pm$ 0.111 χ^2 /NDF: 1085218.4/42

diff_bpm1i06X_mean vs Slug



Right In: 107.816 $\pm$ 0.923 χ^2 /NDF: 2815.8/16

Left Out: 11.938 $\pm$ 0.505 χ^2 /NDF: 976.6/24

Right Out: -2.621 $\pm$ 0.842 χ^2 /NDF: 4733.1/19

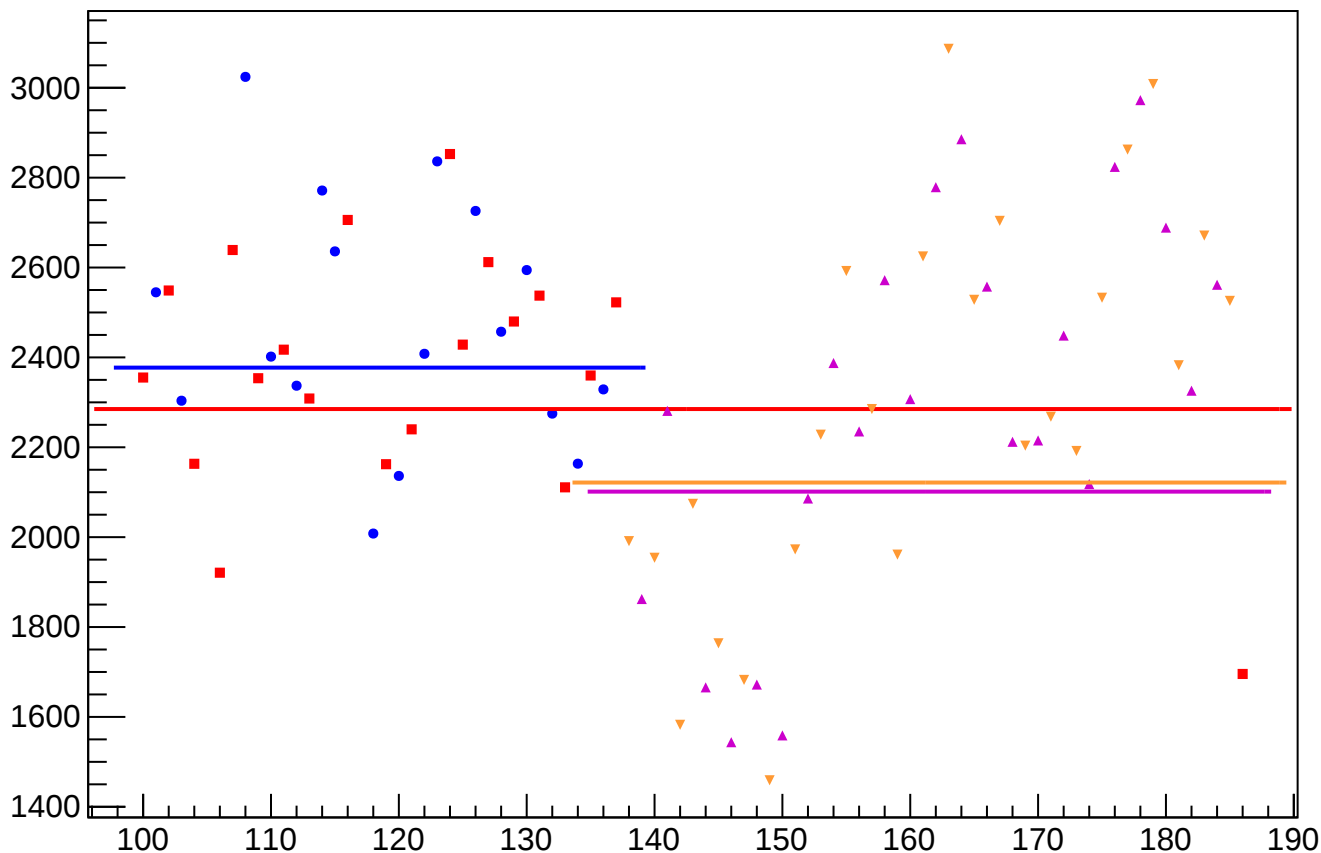
Left In: 65.752 $\pm$ 0.518 χ^2 /NDF: 7335.8/22

+ sign 34.045 $\pm$ 0.443 χ^2 /NDF: 12093.3/41

All: 40.556 $\pm$ 0.313 χ^2 /NDF: 29375.1/84

- sign 47.002 $\pm$ 0.441 χ^2 /NDF: 16852.4/42

diff_bpm1i06X_rms vs Slug



Right In: 2377.271+/-0.653 χ^2/NDF : 119441.2/16

Left Out: 2121.567+/-0.357 χ^2/NDF : 1387847.6/24

Right Out: 2285.093+/-0.596 χ^2/NDF : 210443.1/19

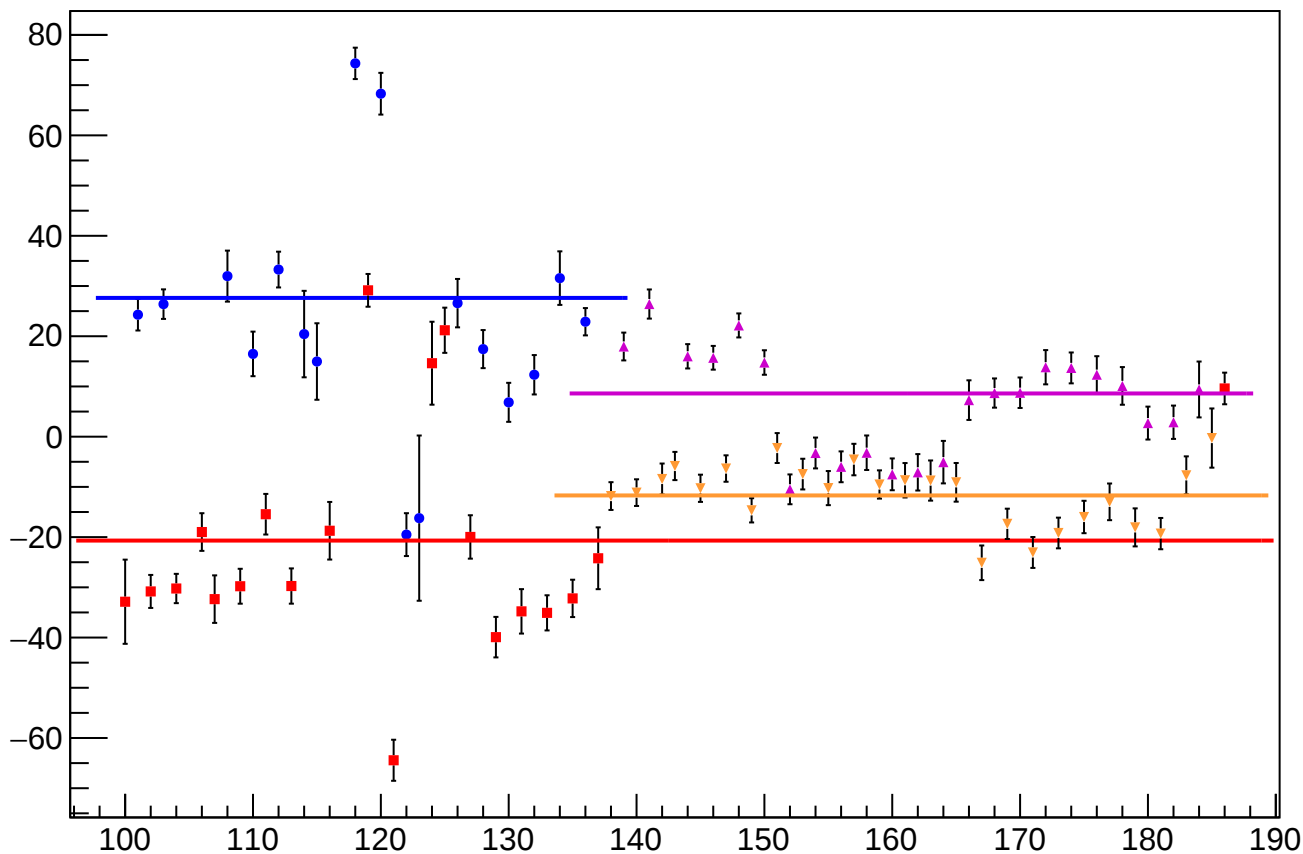
Left In: 2101.325+/-0.366 χ^2/NDF : 1360518.3/22

+ sign 2180.527+/-0.313 χ^2/NDF : 1625372.6/41

All: 2166.050+/-0.221 χ^2/NDF : 3269690.8/84

- sign 2151.718+/-0.312 χ^2/NDF : 1640072.6/42

diff_bpm1i06Y_mean vs Slug



Right In: 27.633 ± 0.976 χ^2/NDF : 517.1/16

Left Out: -11.700 ± 0.625 χ^2/NDF : 85.0/24

Right Out: -20.688 ± 0.891 χ^2/NDF : 648.8/19

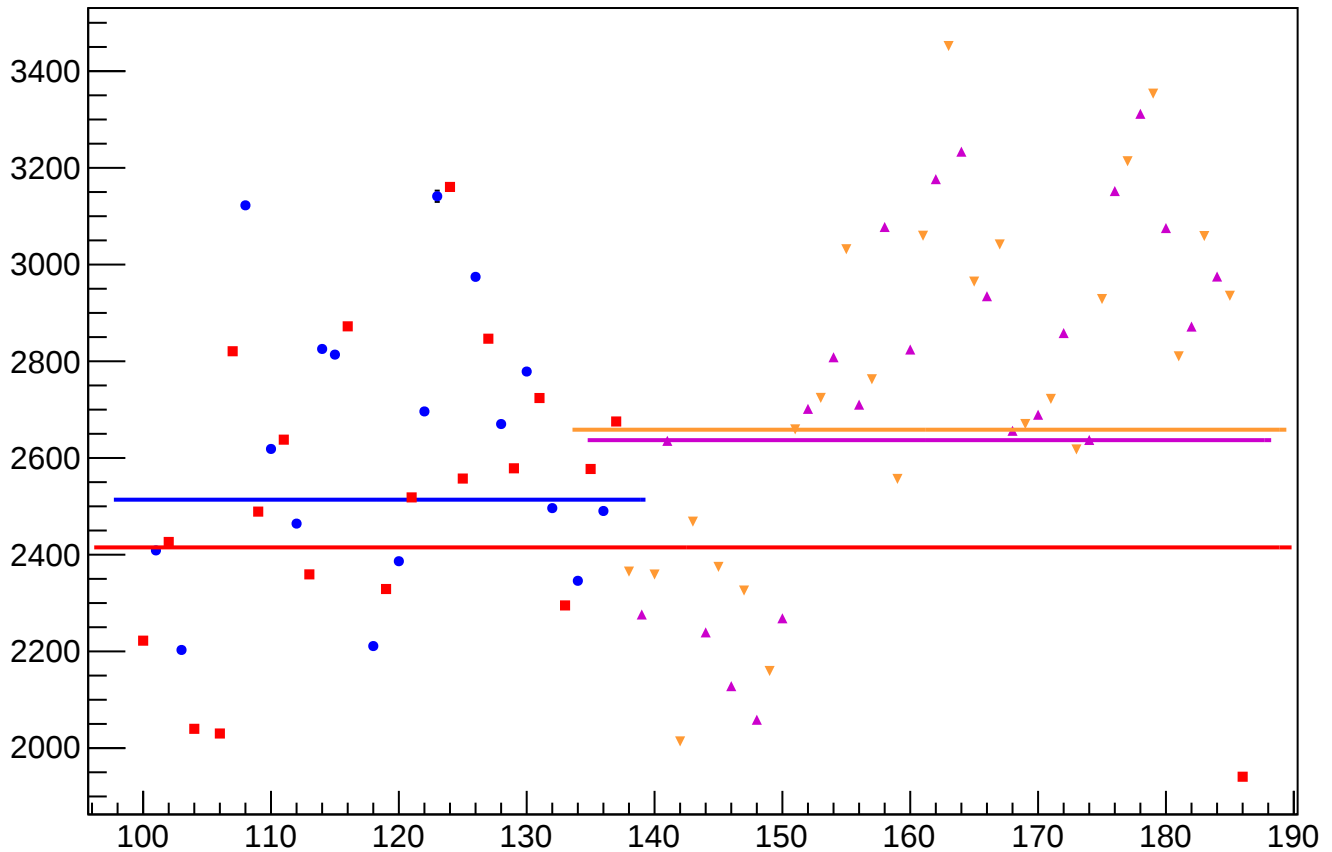
Left In: 8.606 ± 0.642 χ^2/NDF : 264.2/22

+ sign -0.256 ± 0.527 χ^2/NDF : 1752.8/41

All: -0.839 ± 0.370 χ^2/NDF : 3380.3/84

- sign -1.409 ± 0.521 χ^2/NDF : 1625.0/42

diff_bpm1i06Y_rms vs Slug



Right In: 2513.762 $\pm$ 0.690 χ^2 /NDF: 120863.4/16

Left Out: 2658.486 $\pm$ 0.442 χ^2 /NDF: 618133.8/24

Right Out: 2415.101 $\pm$ 0.630 χ^2 /NDF: 199197.7/19

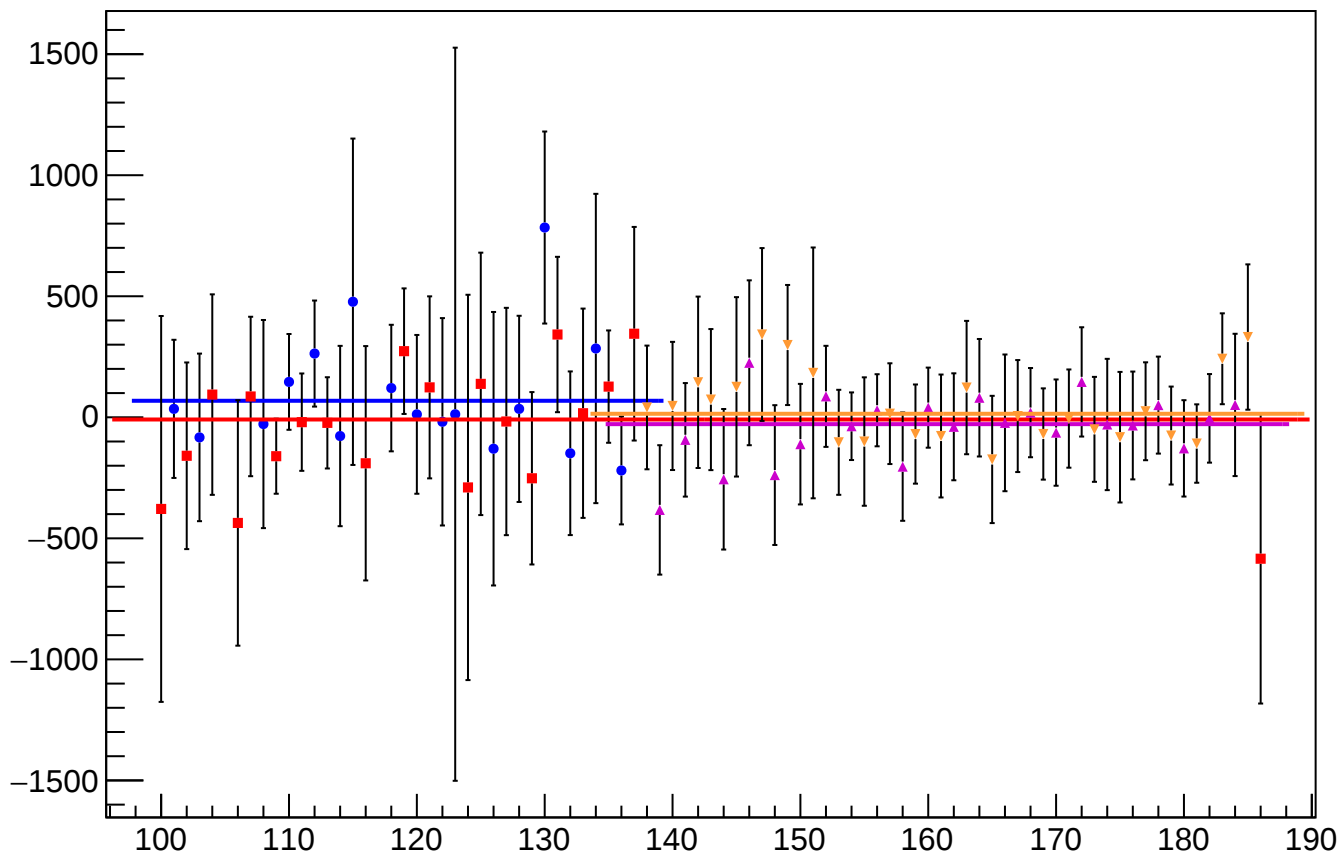
Left In: 2636.885 $\pm$ 0.454 χ^2 /NDF: 652894.5/22

+ sign 2616.377 $\pm$ 0.372 χ^2 /NDF: 770155.8/41

All: 2588.406 $\pm$ 0.262 χ^2 /NDF: 1715029.5/84

- sign 2561.058 $\pm$ 0.368 χ^2 /NDF: 933716.1/42

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 68.238 $\pm$ 79.240 χ^2 /NDF: 7.4/16

Left Out: 14.520 $\pm$ 47.528 χ^2 /NDF: 7.8/24

Right Out: -9.074 $\pm$ 69.516 χ^2 /NDF: 7.4/19

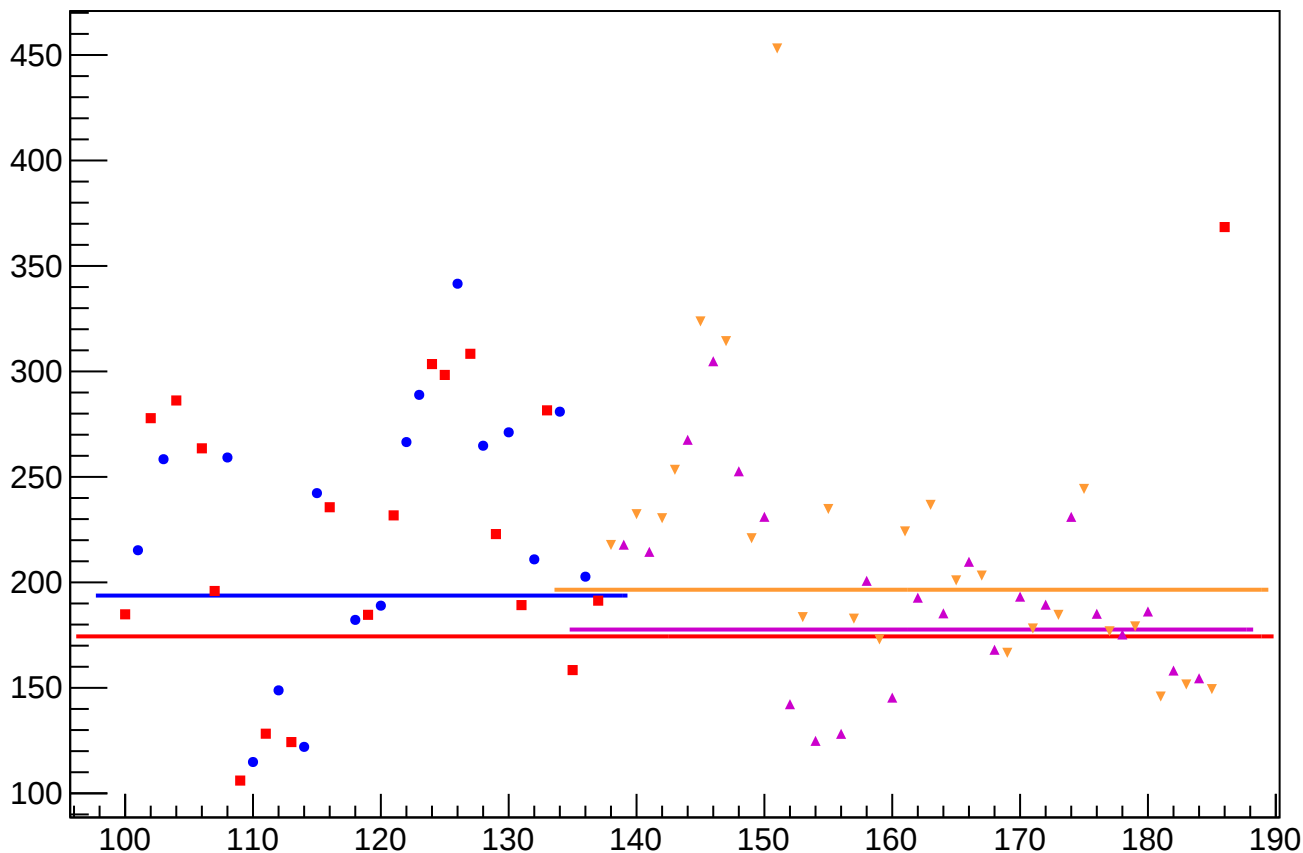
Left In: -28.310 $\pm$ 44.638 χ^2 /NDF: 6.3/22

+ sign 28.732 $\pm$ 40.759 χ^2 /NDF: 15.5/41

All: 0.923 $\pm$ 27.621 χ^2 /NDF: 30.1/84

- sign -22.694 $\pm$ 37.561 χ^2 /NDF: 13.7/42

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: 196.514 $\pm$ 0.034 χ^2 /NDF: 1789504.4/24

Right Out: 174.398 $\pm$ 0.049 χ^2 /NDF: 1784755.5/19

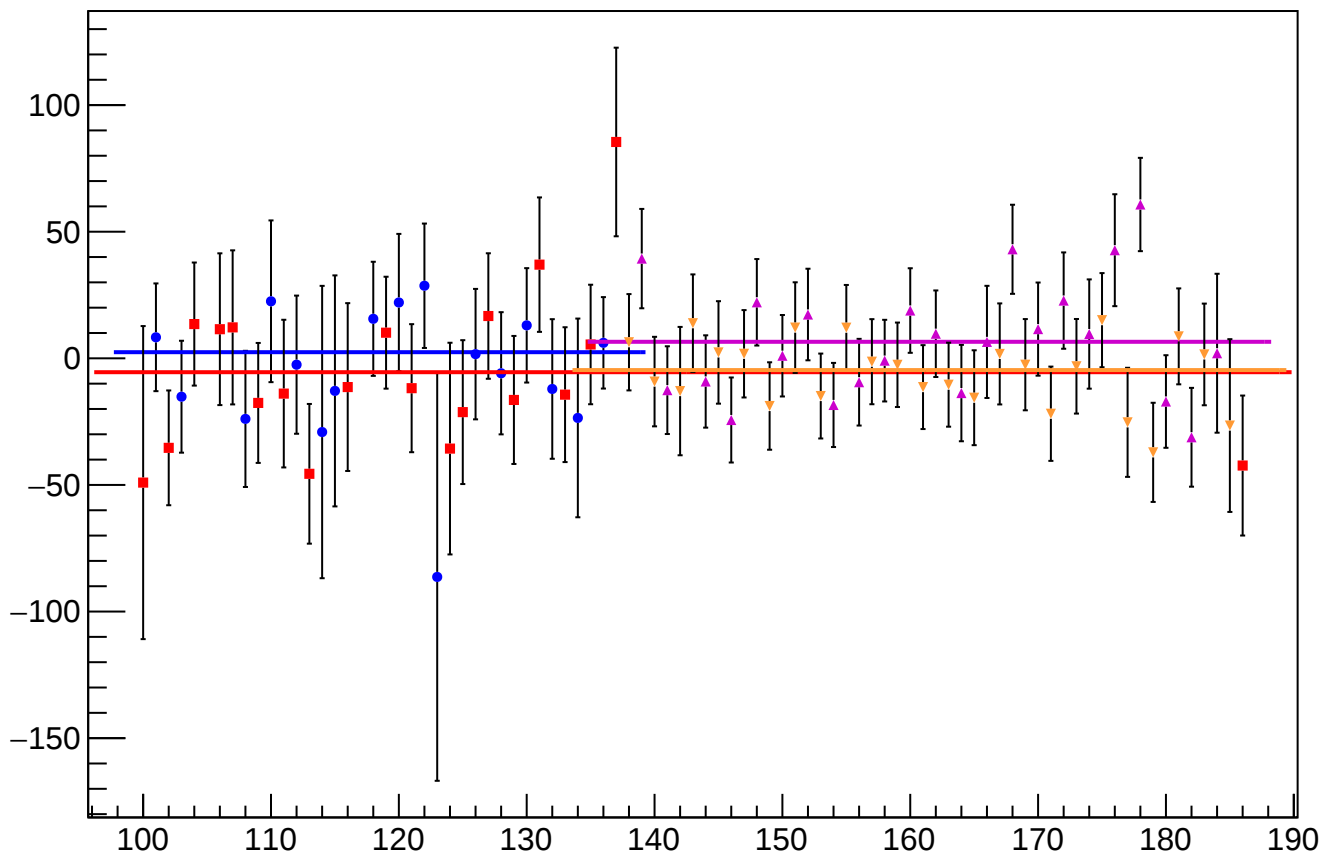
Left In: 177.643 $\pm$ 0.032 χ^2 /NDF: 1630664.5/22

+ sign 195.783 $\pm$ 0.029 χ^2 /NDF: 2802410.7/41

All: 185.461 $\pm$ 0.020 χ^2 /NDF: 6458086.6/84

- sign 176.696 $\pm$ 0.027 χ^2 /NDF: 3418506.8/42

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: -4.646 ± 3.728 χ^2/NDF : 12.1/24

Right Out: -5.481 ± 6.137 χ^2/NDF : 19.0/19

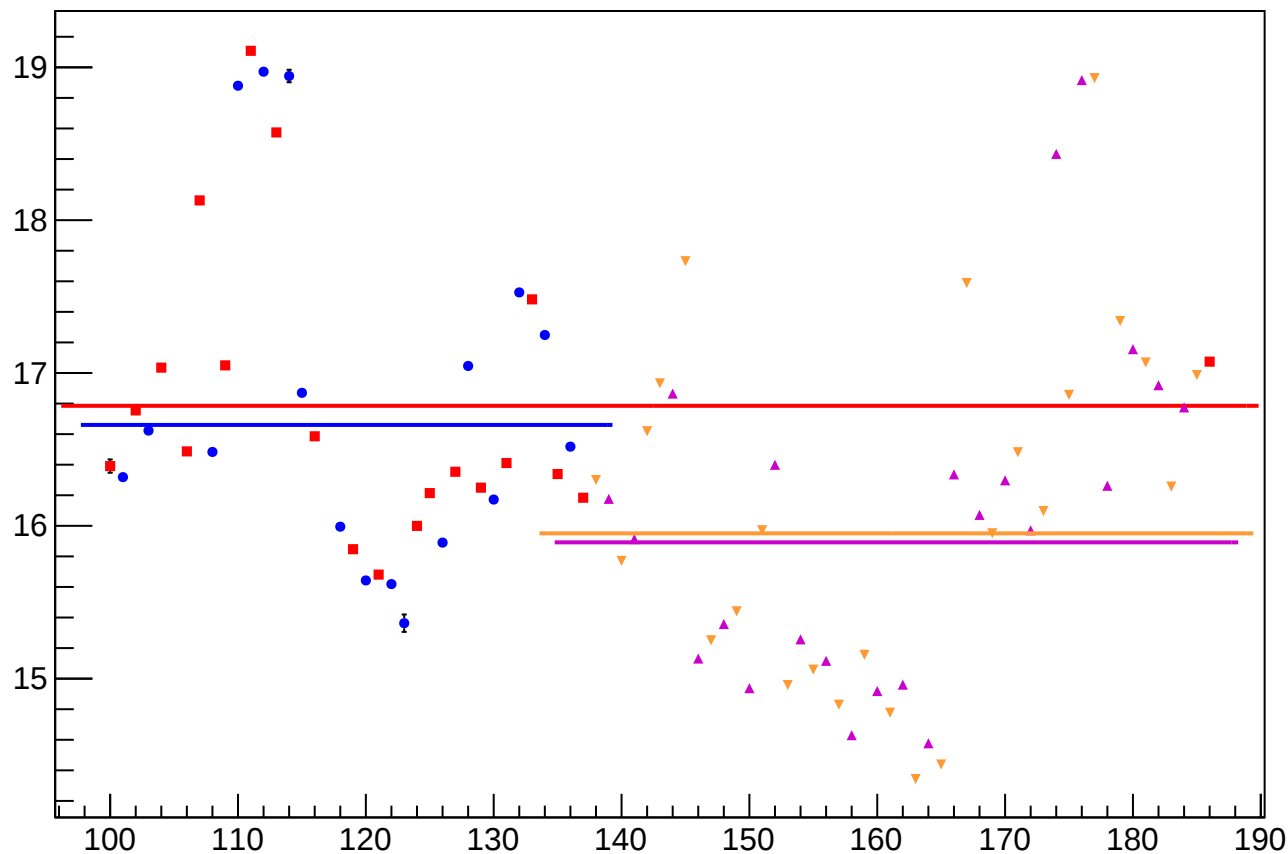
Left In: 6.526 ± 3.828 χ^2/NDF : 36.4/22

+ sign -2.872 ± 3.226 χ^2/NDF : 19.8/41

All: 0.126 ± 2.289 χ^2/NDF : 79.7/84

- sign 3.164 ± 3.248 χ^2/NDF : 58.2/42

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: 15.951 $\pm$ 0.003 χ^2 /NDF: 173458.5/24

Right Out: 16.785 $\pm$ 0.004 χ^2 /NDF: 39489.1/19

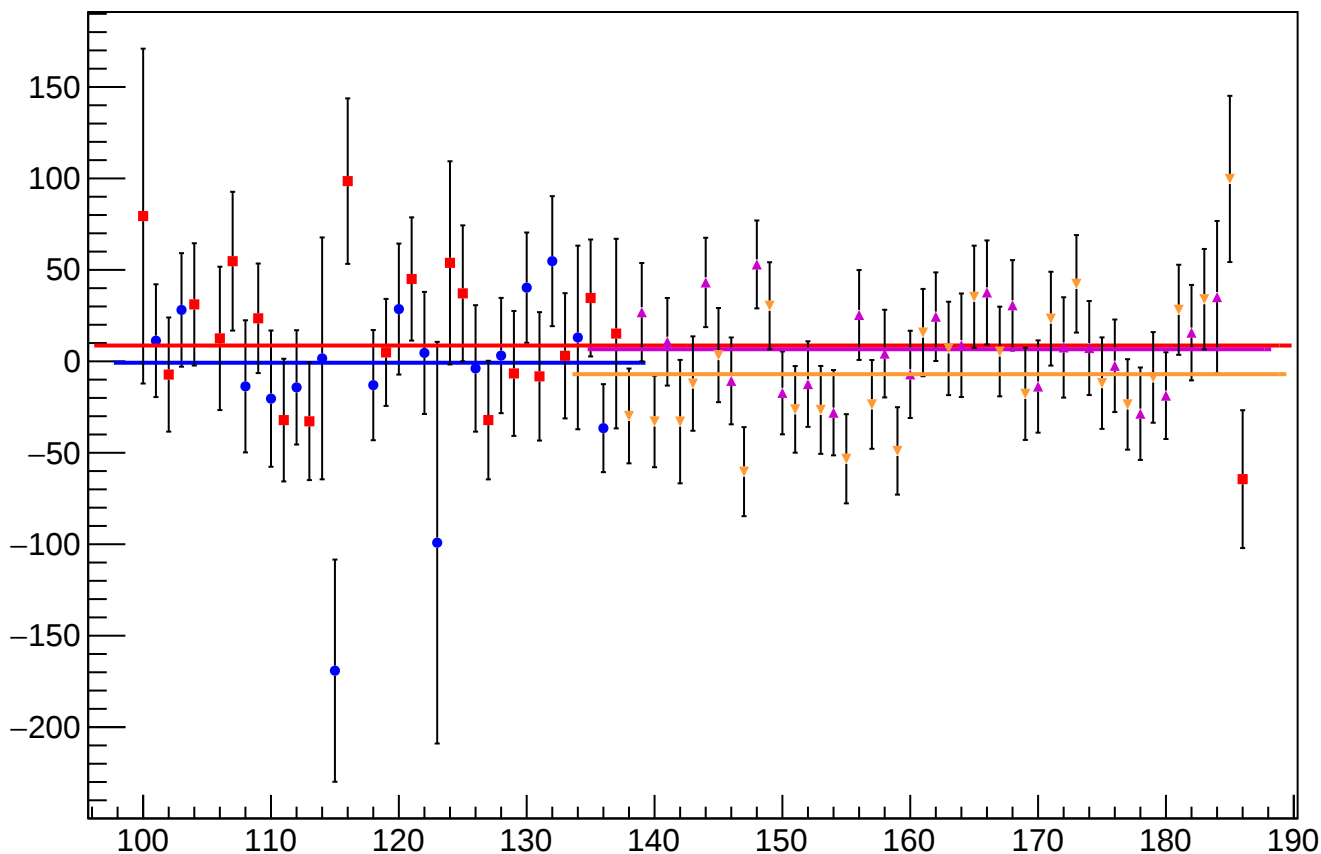
Left In: 15.892 $\pm$ 0.003 χ^2 /NDF: 147093.3/22

+ sign 16.129 $\pm$ 0.002 χ^2 /NDF: 233912.1/41

All: 16.135 $\pm$ 0.002 χ^2 /NDF: 451031.3/84

- sign 16.142 $\pm$ 0.002 χ^2 /NDF: 217102.3/42

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -0.764 ± 8.505 χ^2/NDF : 17.6/16

Left Out: -7.017 ± 5.121 χ^2/NDF : 37.4/24

Right Out: 8.651 ± 8.039 χ^2/NDF : 19.0/19

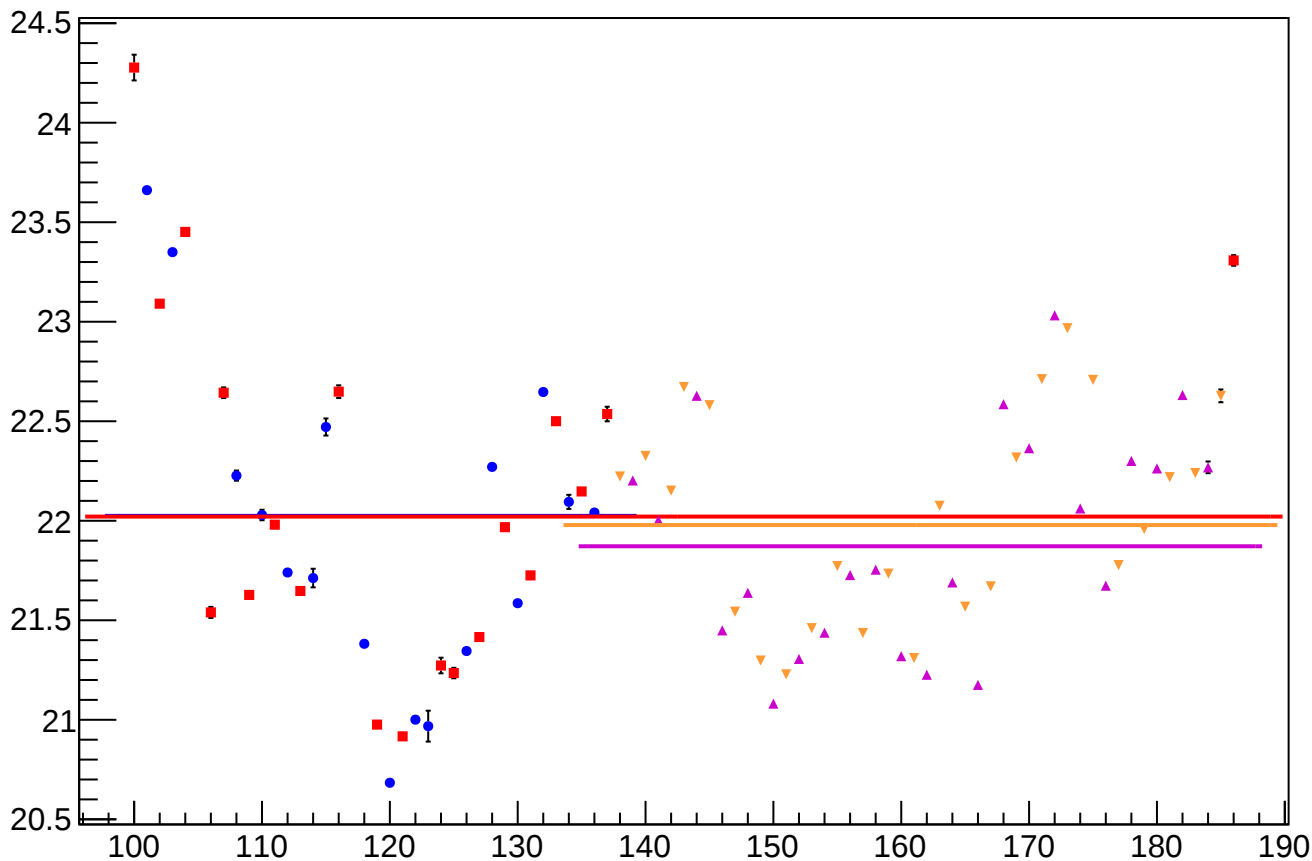
Left In: 6.611 ± 5.251 χ^2/NDF : 19.1/22

+ sign -5.354 ± 4.387 χ^2/NDF : 55.4/41

All: 0.921 ± 3.106 χ^2/NDF : 97.7/84

- sign 7.221 ± 4.396 χ^2/NDF : 38.2/42

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: 21.978 $\pm$ 0.004 χ^2 /NDF:19430.2/24

Right Out: 22.021 $\pm$ 0.006 χ^2 /NDF: 18827.9/19

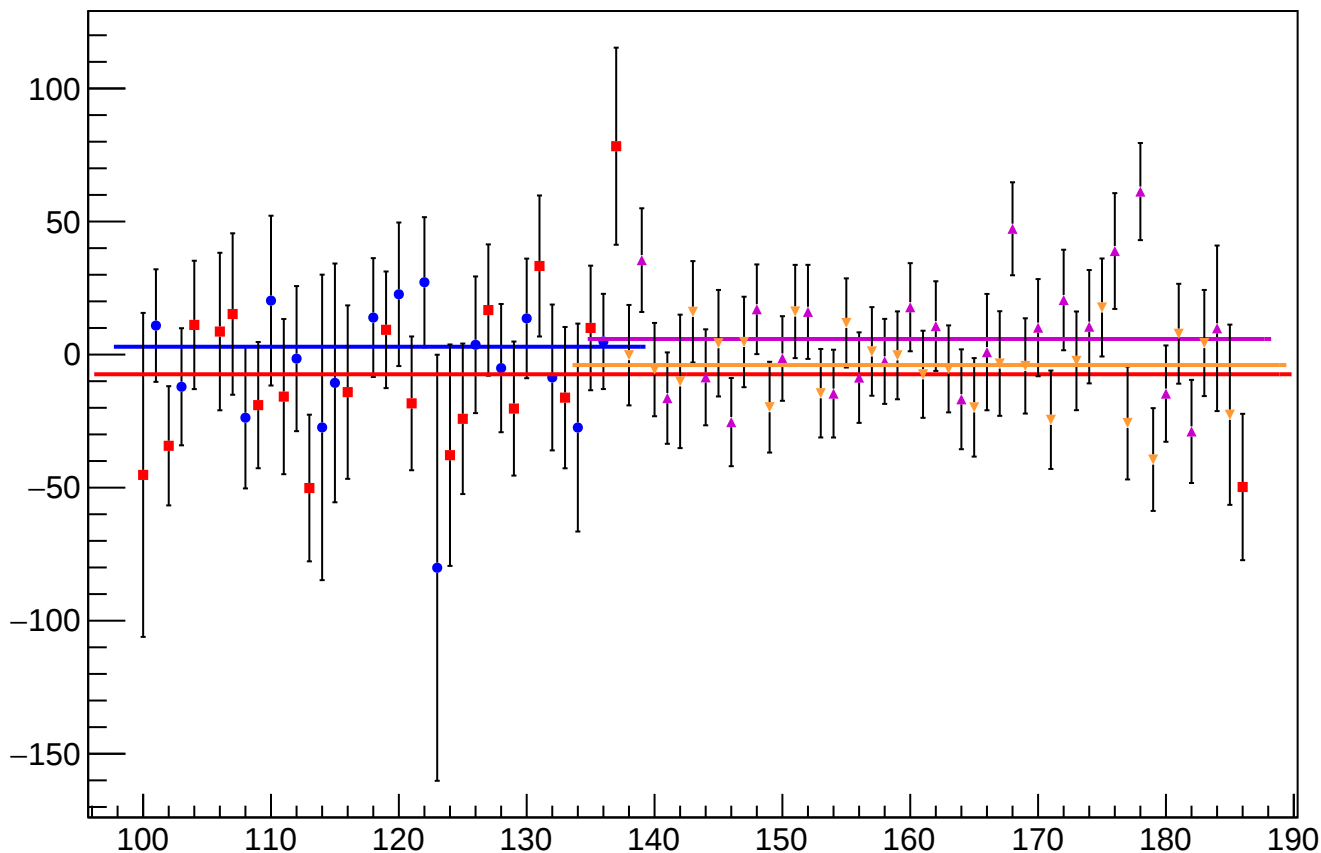
Left In: 21.872 $\pm$ 0.004 χ^2 /NDF:20524.9/22

+ sign 21.991 $\pm$ 0.003 χ^2 /NDF: 36854.3/41

All: 21.954 $\pm$ 0.002 χ^2 /NDF: 76975.7/84

- sign 21.916 $\pm$ 0.003 χ^2 /NDF: 39835.6/42

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.948 ± 6.404 χ^2/NDF : 6.3/16

Left Out: -3.927 ± 3.688 χ^2/NDF : 14.0/24

Right Out: -7.394 ± 6.102 χ^2/NDF : 19.7/19

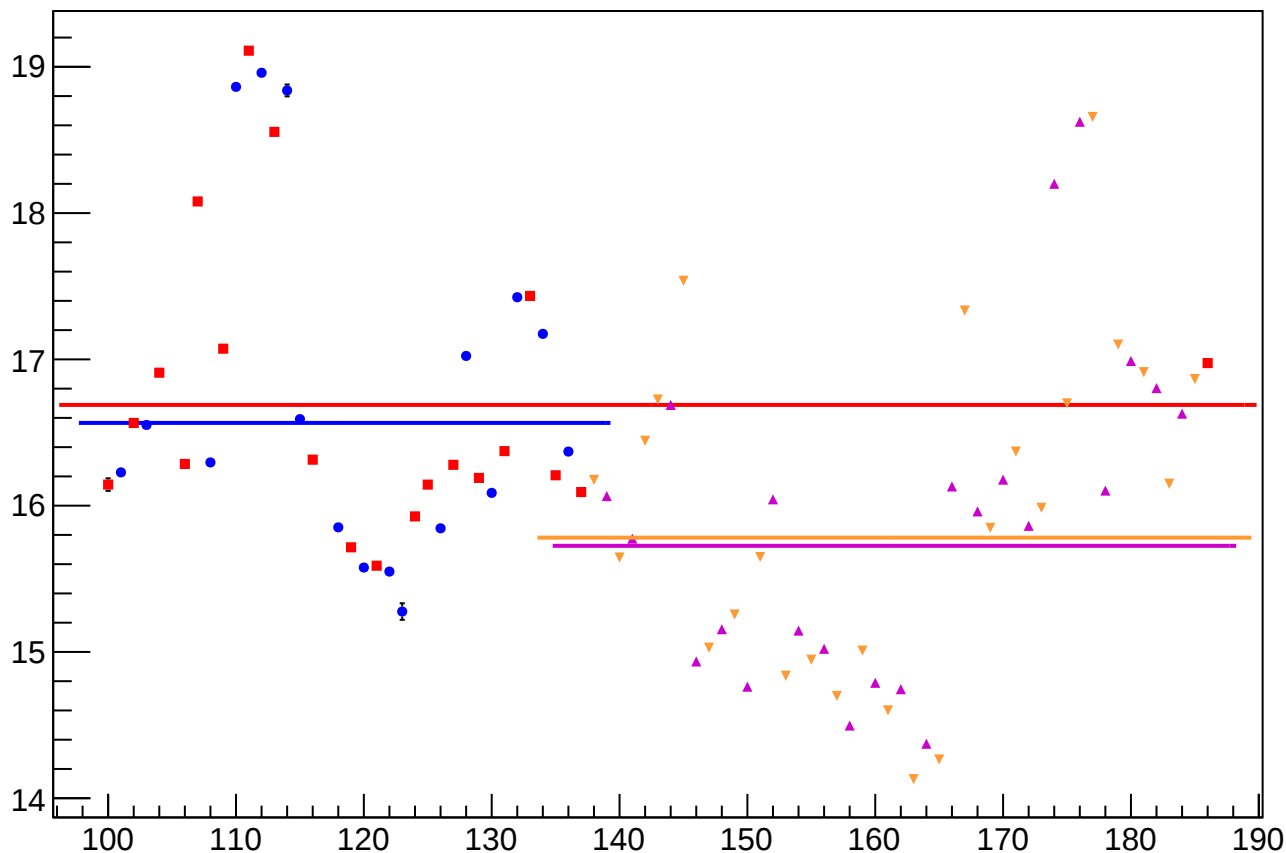
Left In: 5.861 ± 3.787 χ^2/NDF : 36.2/22

+ sign -2.215 ± 3.196 χ^2/NDF : 21.1/41

All: -0.035 ± 2.268 χ^2/NDF : 81.3/84

- sign 2.176 ± 3.218 χ^2/NDF : 59.3/42

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: 15.781 $\pm$ 0.003 χ^2/NDF :172894.3/24

Right Out: 16.689 $\pm$ 0.004 χ^2/NDF : 42681.2/19

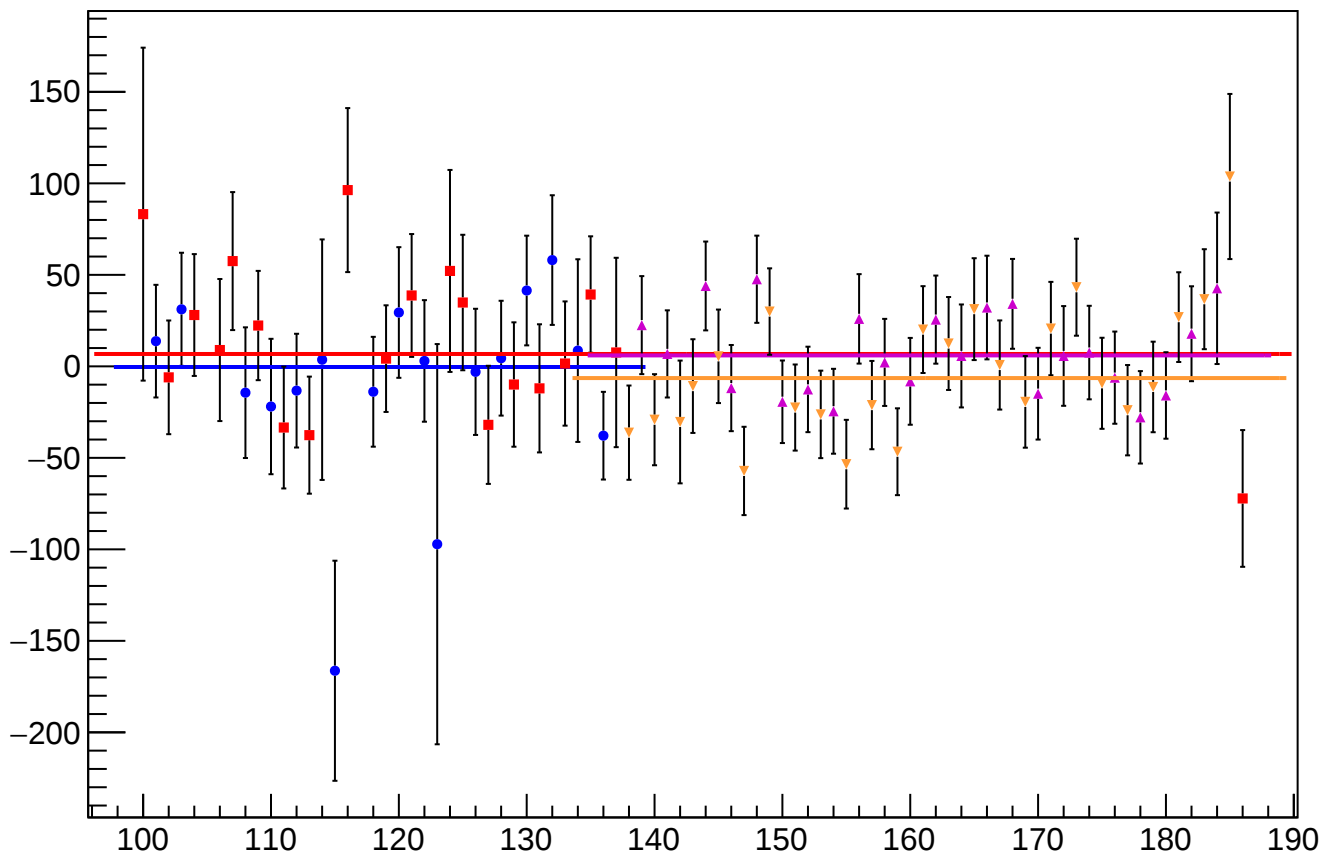
Left In: 15.725 $\pm$ 0.003 χ^2/NDF :145830.9/22

+ sign 15.977 $\pm$ 0.002 χ^2/NDF : 239671.7/41

All: 15.985 $\pm$ 0.002 χ^2/NDF : 464187.9/84

- sign 15.993 $\pm$ 0.002 χ^2/NDF : 224489.5/42

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: -6.404 ± 5.091 χ^2/NDF : 37.4/24

Right Out: 6.757 ± 7.997 χ^2/NDF : 20.4/19

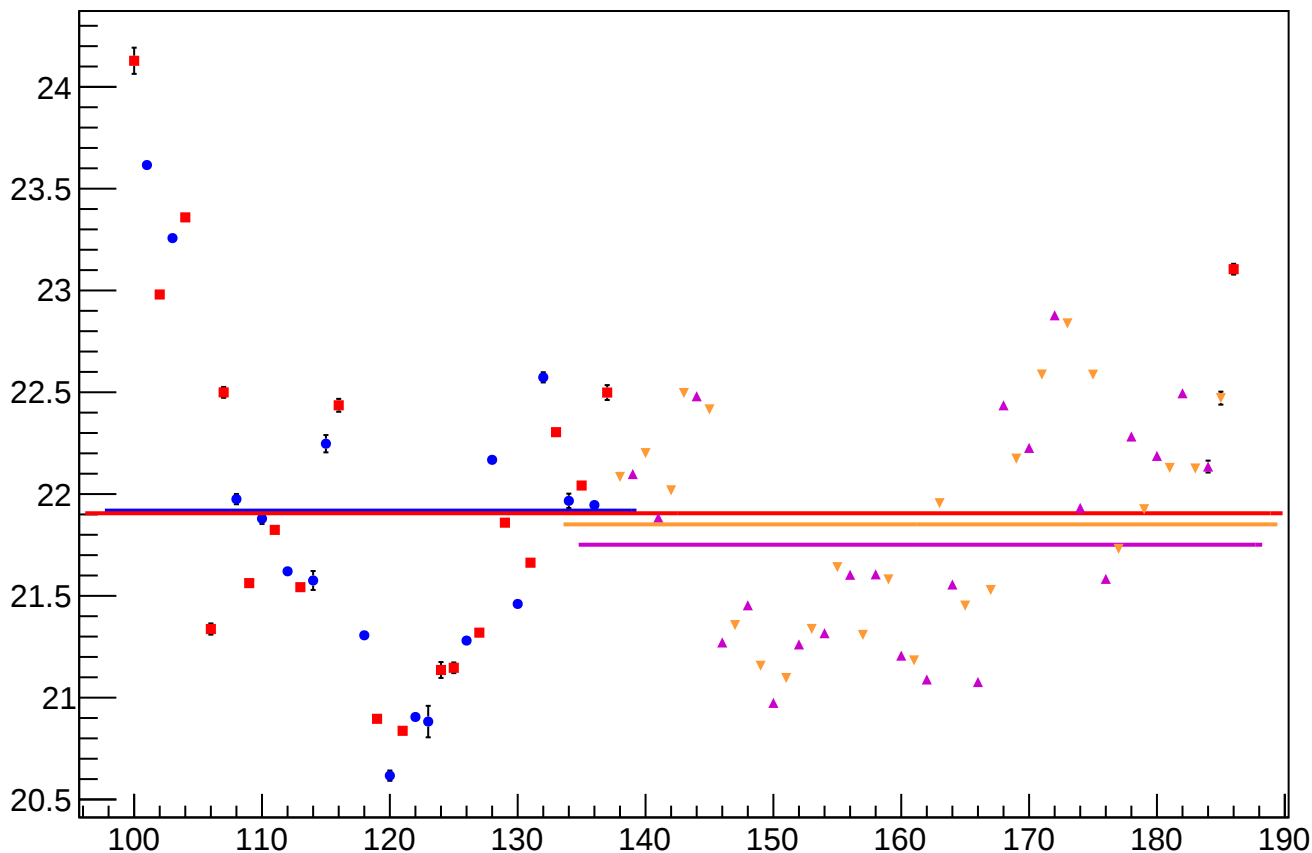
Left In: 5.978 ± 5.222 χ^2/NDF : 18.5/22

+ sign -4.797 ± 4.363 χ^2/NDF : 56.2/41

All: 0.695 ± 3.088 χ^2/NDF : 98.3/84

- sign 6.211 ± 4.373 χ^2/NDF : 39.0/42

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: 21.851 $\pm$ 0.004 χ^2 /NDF: 19631.8/24

Right Out: 21.906 $\pm$ 0.006 χ^2 /NDF: 18190.5/19

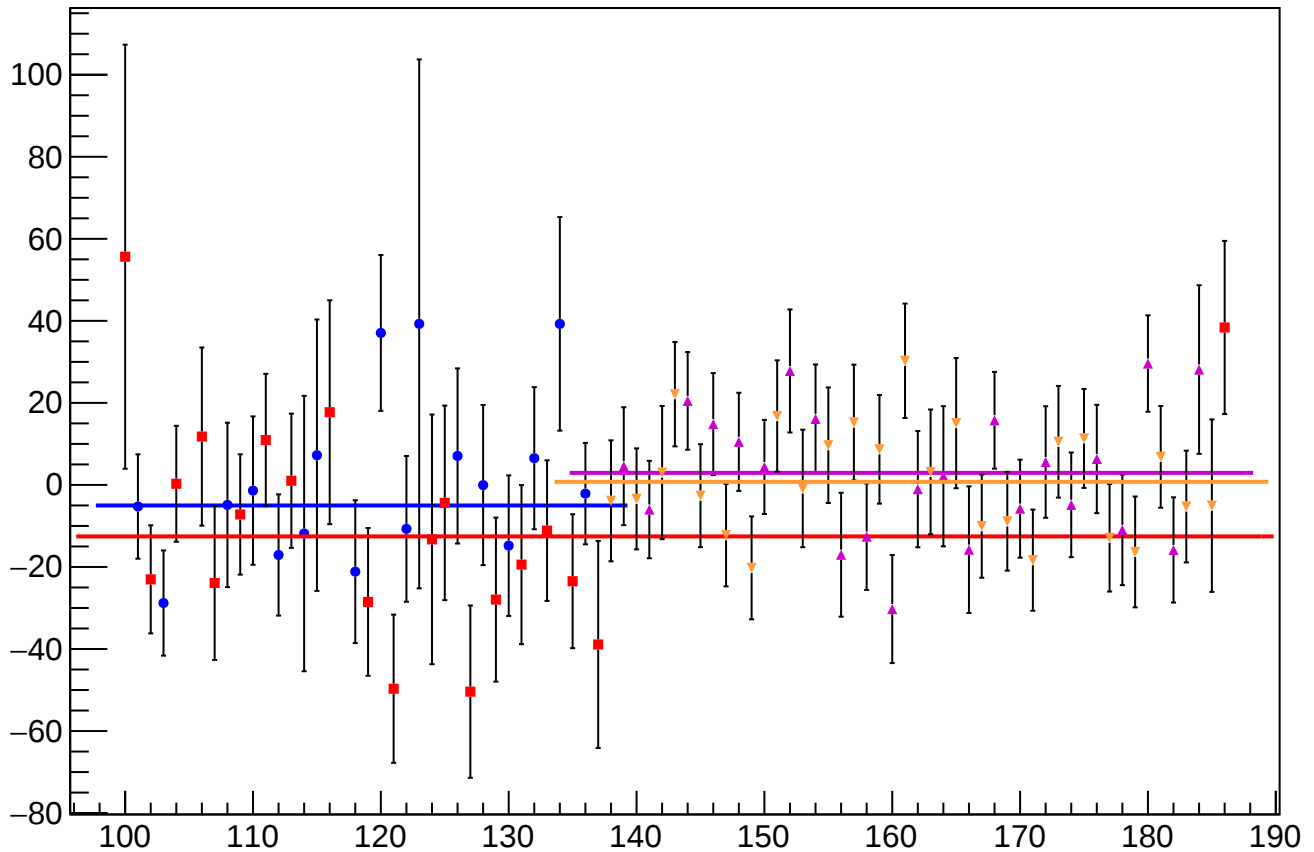
Left In: 21.751 $\pm$ 0.004 χ^2 /NDF: 20516.3/22

+ sign 21.869 $\pm$ 0.003 χ^2 /NDF: 37367.1/41

All: 21.833 $\pm$ 0.002 χ^2 /NDF: 76866.8/84

- sign 21.797 $\pm$ 0.003 χ^2 /NDF: 39230.3/42

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: 0.759 ± 2.698 χ^2/NDF : 23.8/24

Right Out: -12.545 ± 4.186 χ^2/NDF : 25.5/19

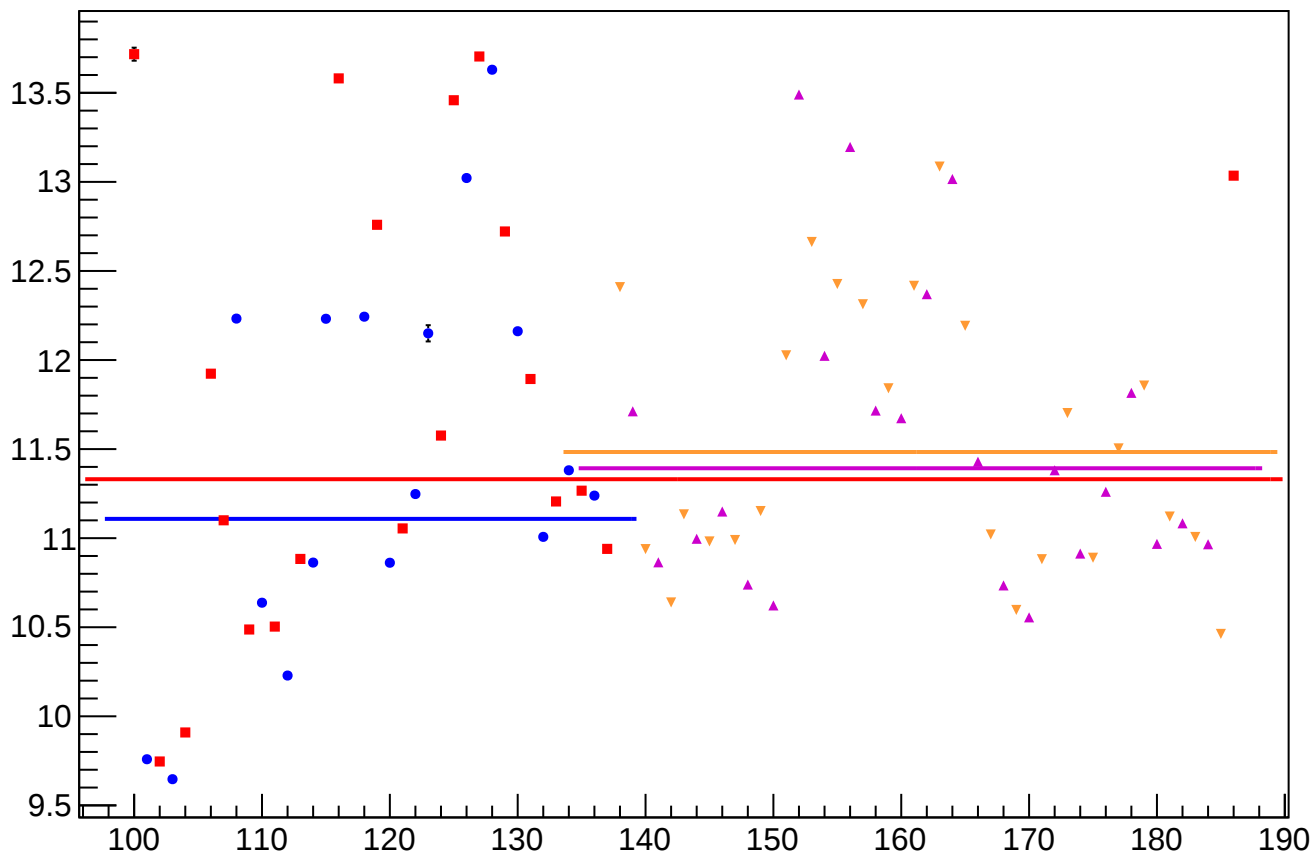
Left In: 2.944 ± 2.757 χ^2/NDF : 30.9/22

+ sign -0.853 ± 2.291 χ^2/NDF : 39.8/41

All: -1.296 ± 1.624 χ^2/NDF : 105.9/84

- sign -1.744 ± 2.303 χ^2/NDF : 65.9/42

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:129805.4/24

Right Out: 11.331 $\pm$ 0.003 χ^2 /NDF: 162016.3/19

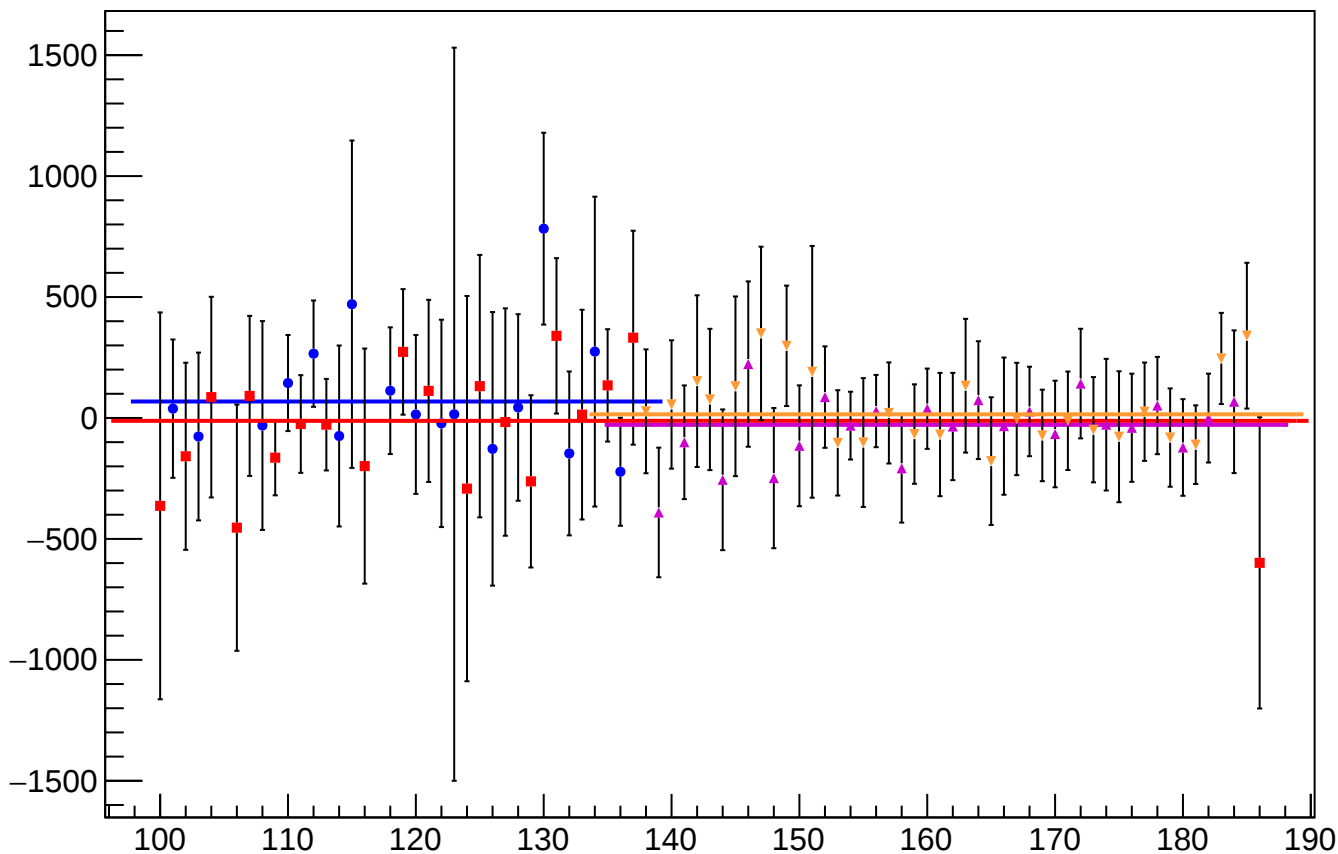
Left In: 11.392 $\pm$ 0.002 χ^2 /NDF:150493.3/22

+ sign 11.379 $\pm$ 0.002 χ^2 /NDF: 273215.4/41

All: 11.376 $\pm$ 0.001 χ^2 /NDF: 586030.5/84

- sign 11.374 $\pm$ 0.002 χ^2 /NDF: 312810.3/42

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 68.114 ± 79.449 $\chi^2/\text{NDF}: 7.4/16$

Left Out: 15.130 ± 47.705 $\chi^2/\text{NDF}: 8.0/24$

Right Out: -11.852 ± 69.722 $\chi^2/\text{NDF}: 7.5/19$

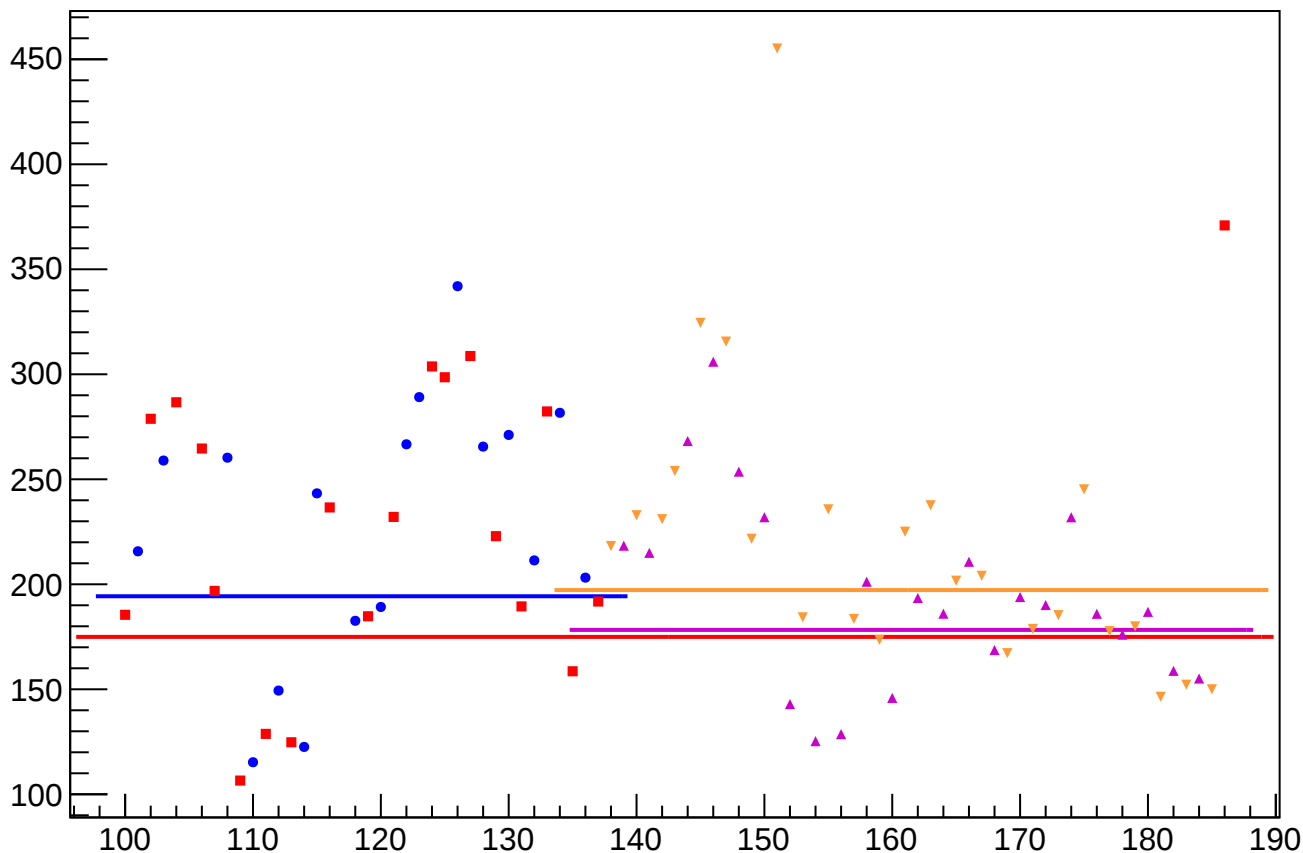
Left In: -28.500 ± 44.797 $\chi^2/\text{NDF}: 6.4/22$

+ sign 29.170 ± 40.898 $\chi^2/\text{NDF}: 15.7/41$

All: 0.614 ± 27.715 $\chi^2/\text{NDF}: 30.5/84$

- sign -23.636 ± 37.688 $\chi^2/\text{NDF}: 13.9/42$

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: 197.249 $\pm$ 0.034 χ^2/NDF : 1786808.1/24

Right Out: 174.955 $\pm$ 0.049 χ^2/NDF : 1778748.1/19

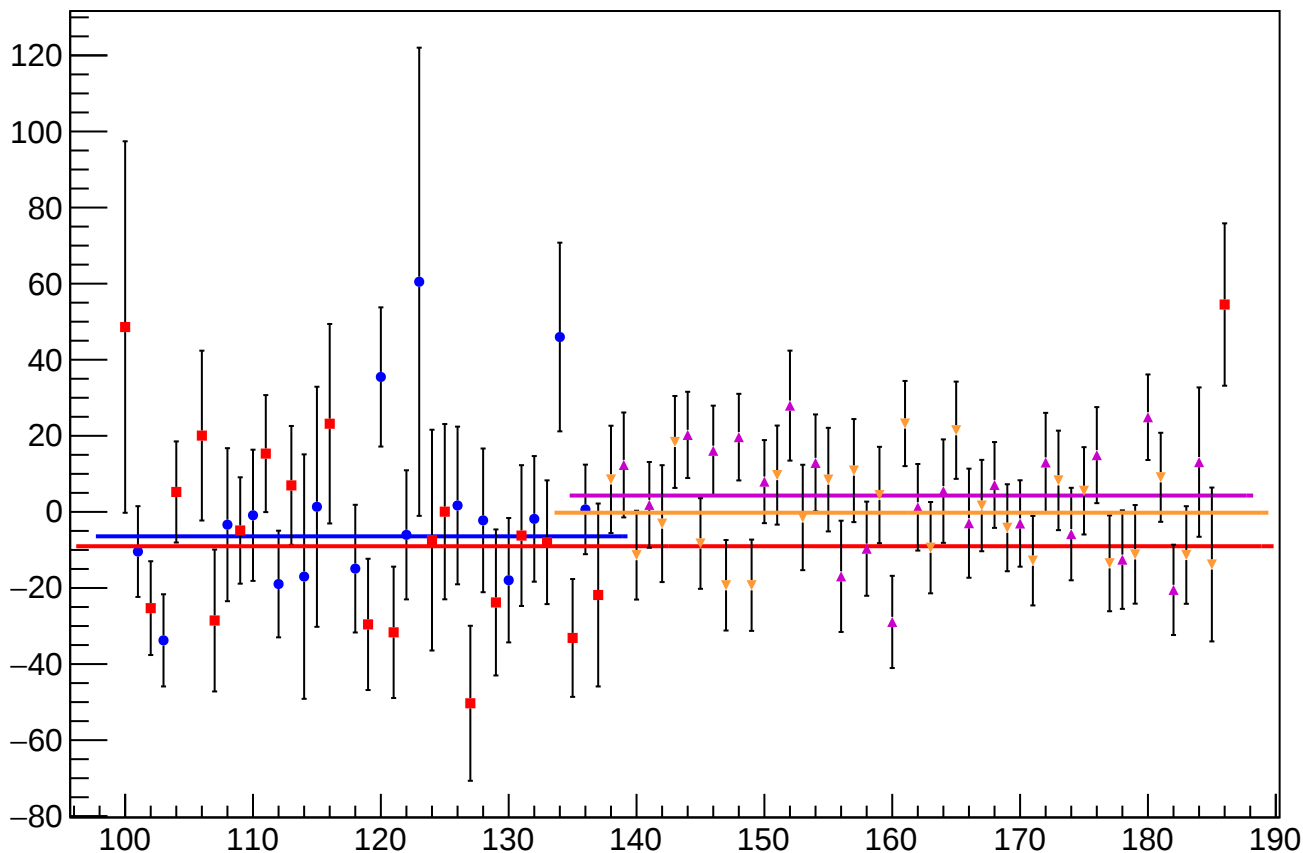
Left In: 178.277 $\pm$ 0.032 χ^2/NDF : 1628916.6/22

+ sign 196.467 $\pm$ 0.029 χ^2/NDF : 2795051.7/41

All: 186.105 $\pm$ 0.020 χ^2/NDF : 6443320.8/84

- sign 177.306 $\pm$ 0.027 χ^2/NDF : 3410878.1/42

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.419 ± 4.138 χ^2/NDF : 18.6/16

Left Out: -0.211 ± 2.523 χ^2/NDF : 24.5/24

Right Out: -9.023 ± 4.012 χ^2/NDF : 31.8/19

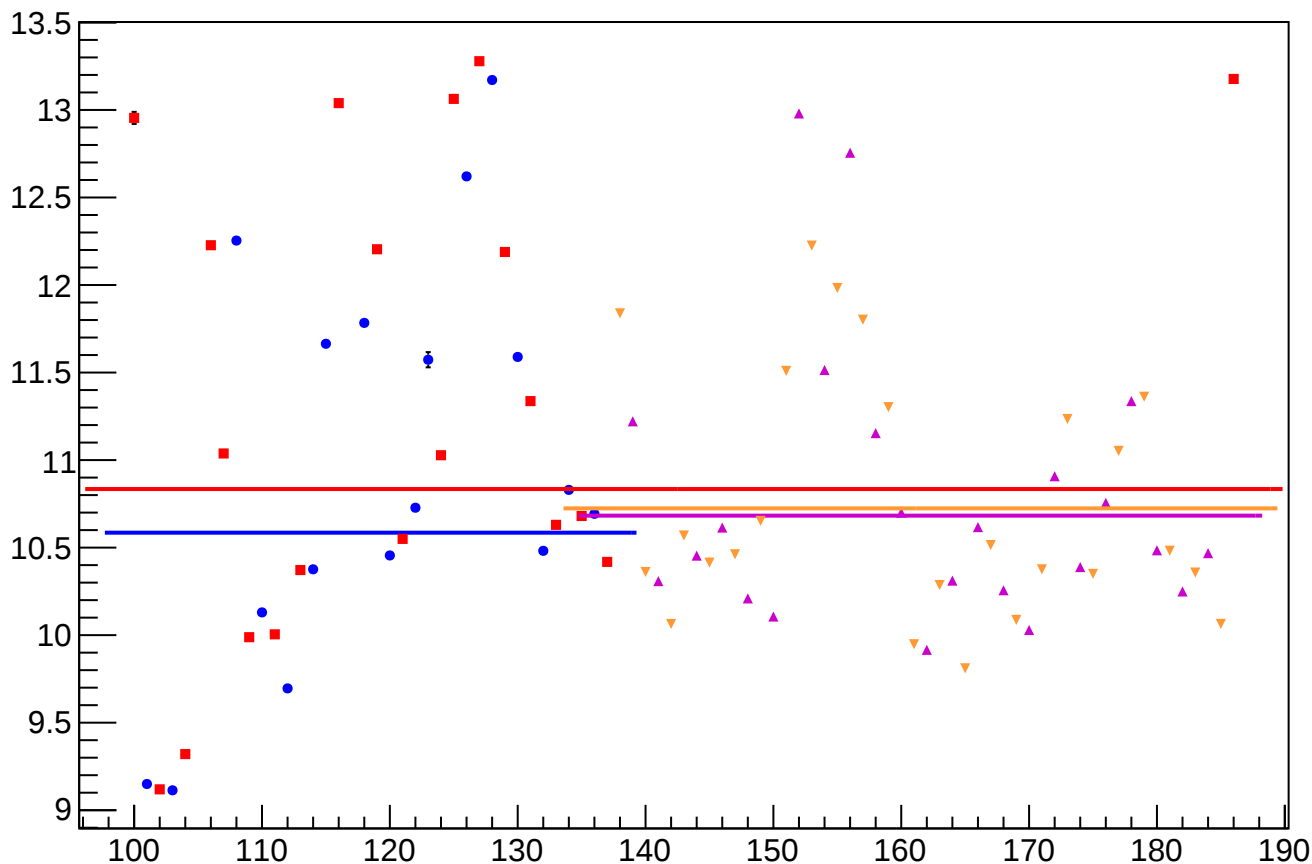
Left In: 4.298 ± 2.589 χ^2/NDF : 31.6/22

+ sign -1.894 ± 2.154 χ^2/NDF : 44.8/41

All: -0.768 ± 1.531 χ^2/NDF : 116.5/84

- sign 0.381 ± 2.175 χ^2/NDF : 71.2/42

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.585 $\pm$ 0.003 χ^2 /NDF: 159813.8/16

Left Out: 10.724 $\pm$ 0.002 χ^2 /NDF:132558.9/24

Right Out: 10.835 $\pm$ 0.003 χ^2 /NDF: 202889.4/19

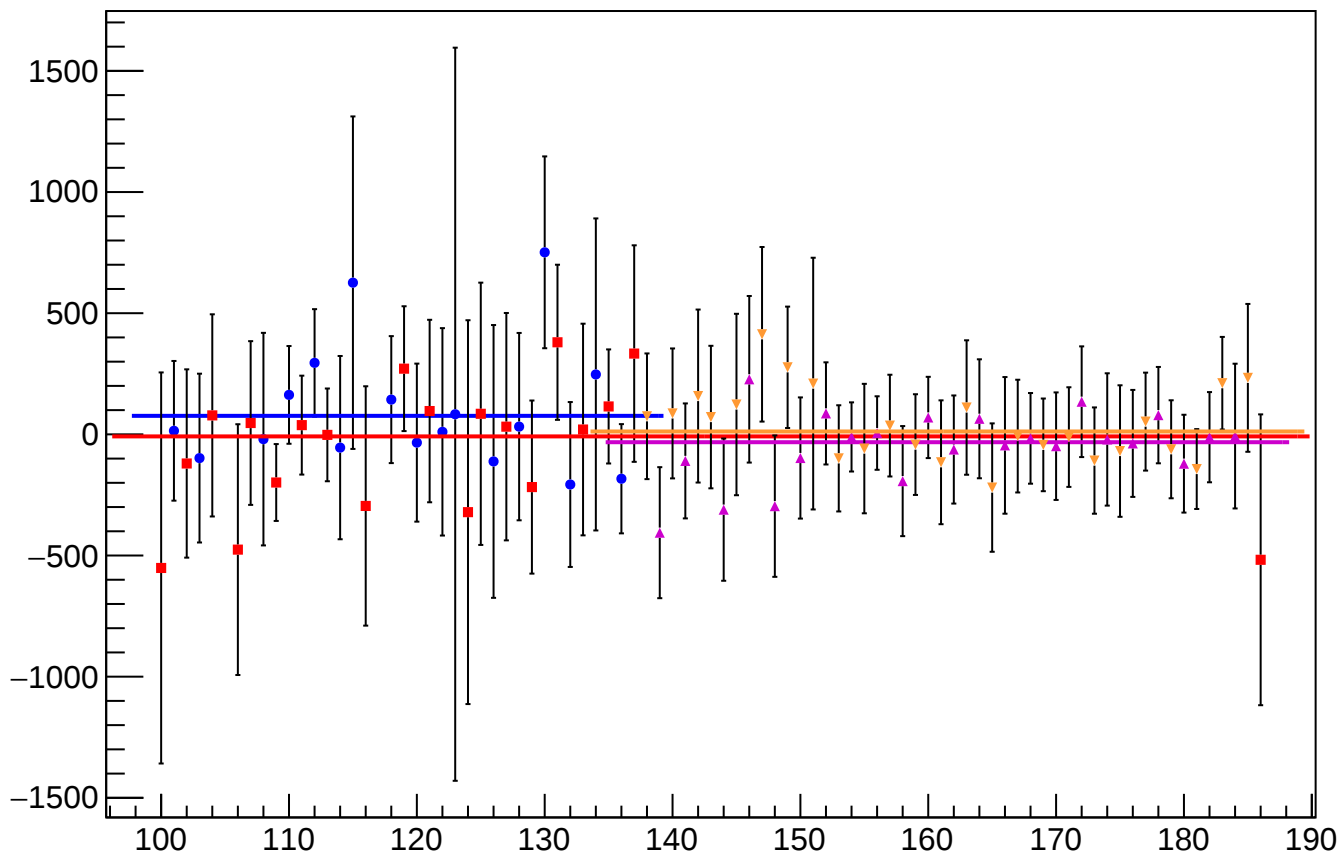
Left In: 10.683 $\pm$ 0.002 χ^2 /NDF:147835.6/22

+ sign 10.687 $\pm$ 0.002 χ^2 /NDF: 294014.3/41

All: 10.707 $\pm$ 0.001 χ^2 /NDF: 647121.9/84

- sign 10.727 $\pm$ 0.002 χ^2 /NDF: 352752.8/42

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: 11.891 $\pm$ 48.022 χ^2 /NDF: 7.6/24

Right Out: -8.456 $\pm$ 70.378 χ^2 /NDF: 8.1/19

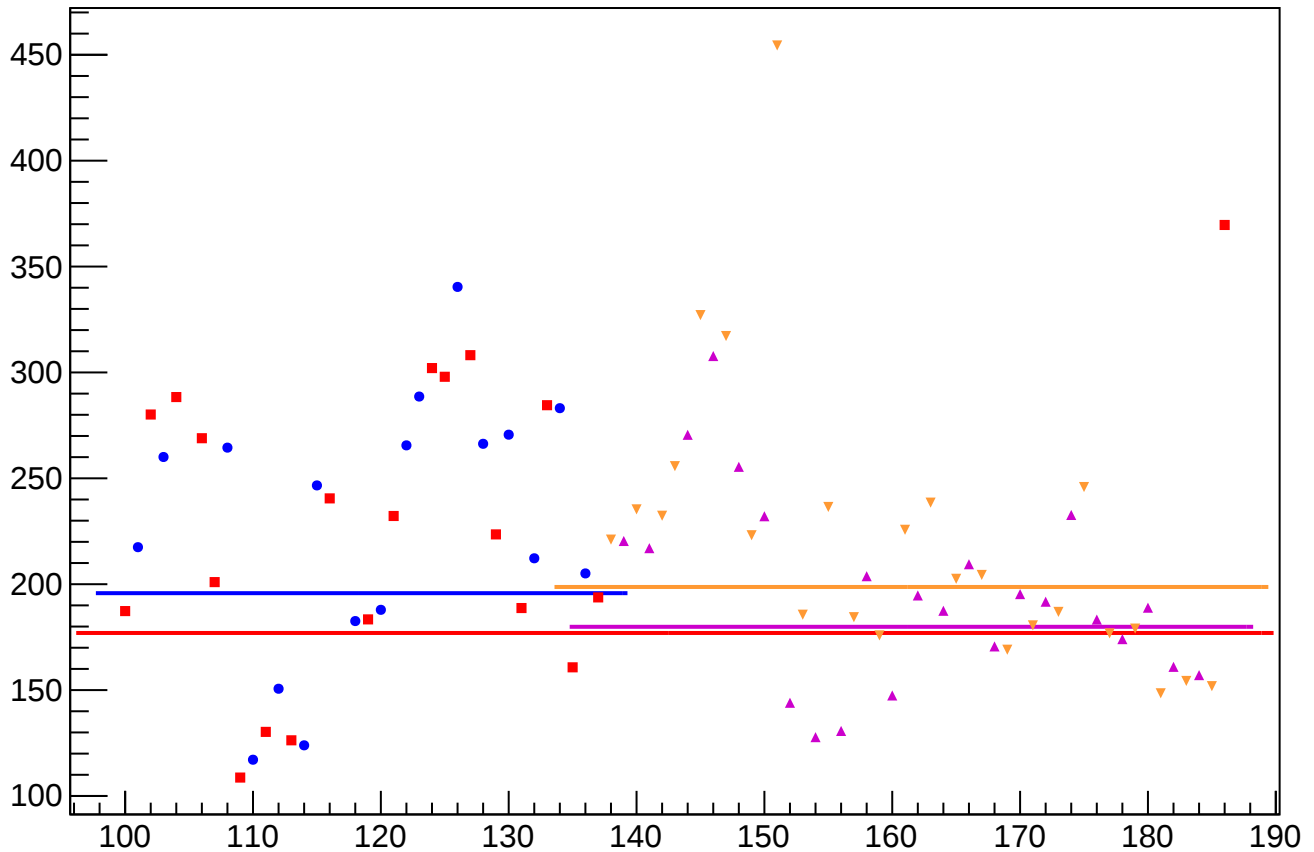
Left In: -32.413 $\pm$ 45.155 χ^2 /NDF: 6.9/22

+ sign 28.987 $\pm$ 41.169 χ^2 /NDF: 15.7/41

All: -0.391 $\pm$ 27.925 χ^2 /NDF: 31.7/84

- sign -25.427 $\pm$ 38.005 χ^2 /NDF: 15.1/42

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.766 $\pm$ 0.057 χ^2/NDF : 980914.1/16

Left Out: 198.695 $\pm$ 0.034 χ^2/NDF : 1759311.9/24

Right Out: 176.972 $\pm$ 0.050 χ^2/NDF : 1732744.9/19

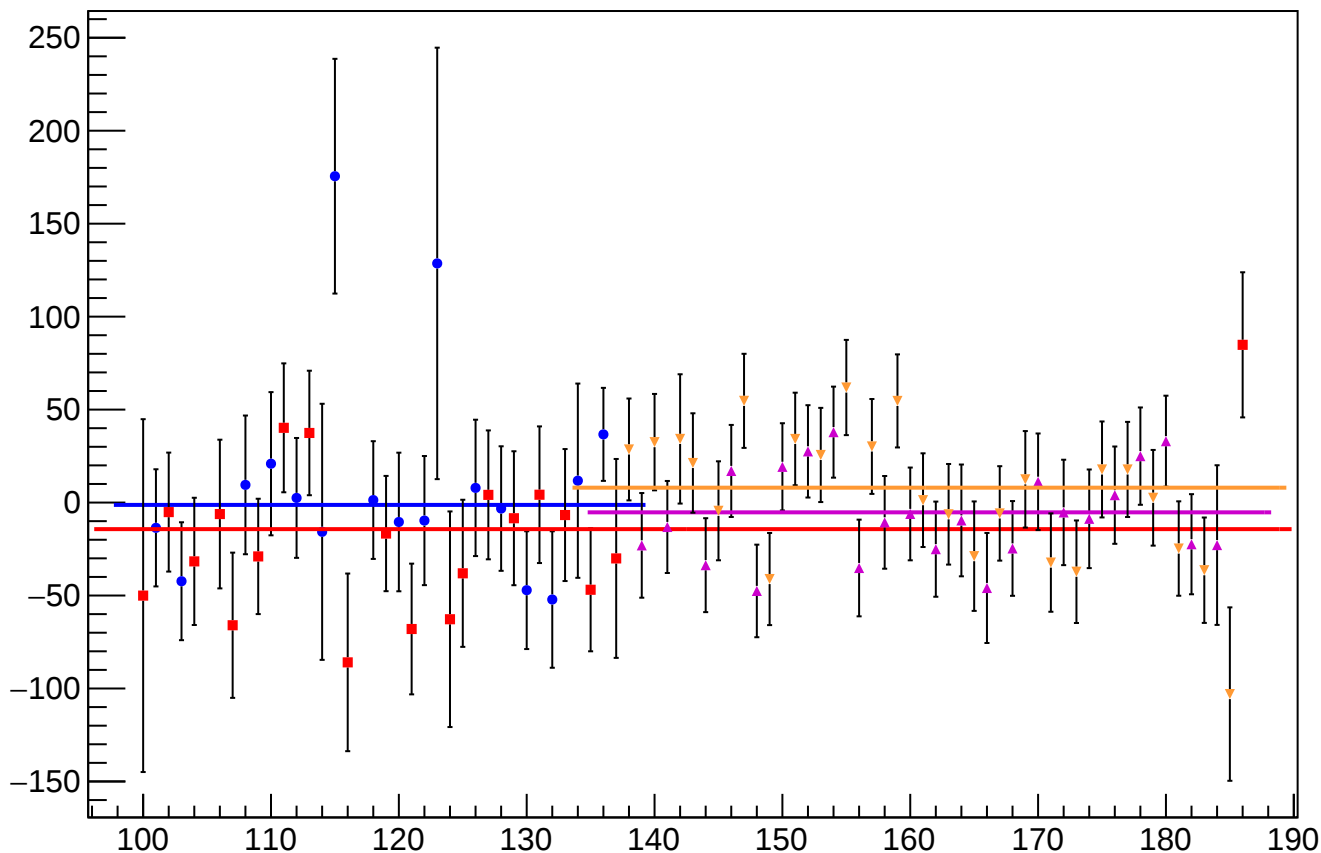
Left In: 179.886 $\pm$ 0.032 χ^2/NDF : 1580636.4/22

+ sign 197.919 $\pm$ 0.029 χ^2/NDF : 2742198.2/41

All: 187.724 $\pm$ 0.020 χ^2/NDF : 6285148.2/84

- sign 179.037 $\pm$ 0.027 χ^2/NDF : 3315810.1/42

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -1.260 ± 8.846 χ^2/NDF : 18.0/16

Left Out: 8.004 ± 5.334 χ^2/NDF : 37.4/24

Right Out: -14.289 ± 8.372 χ^2/NDF : 21.1/19

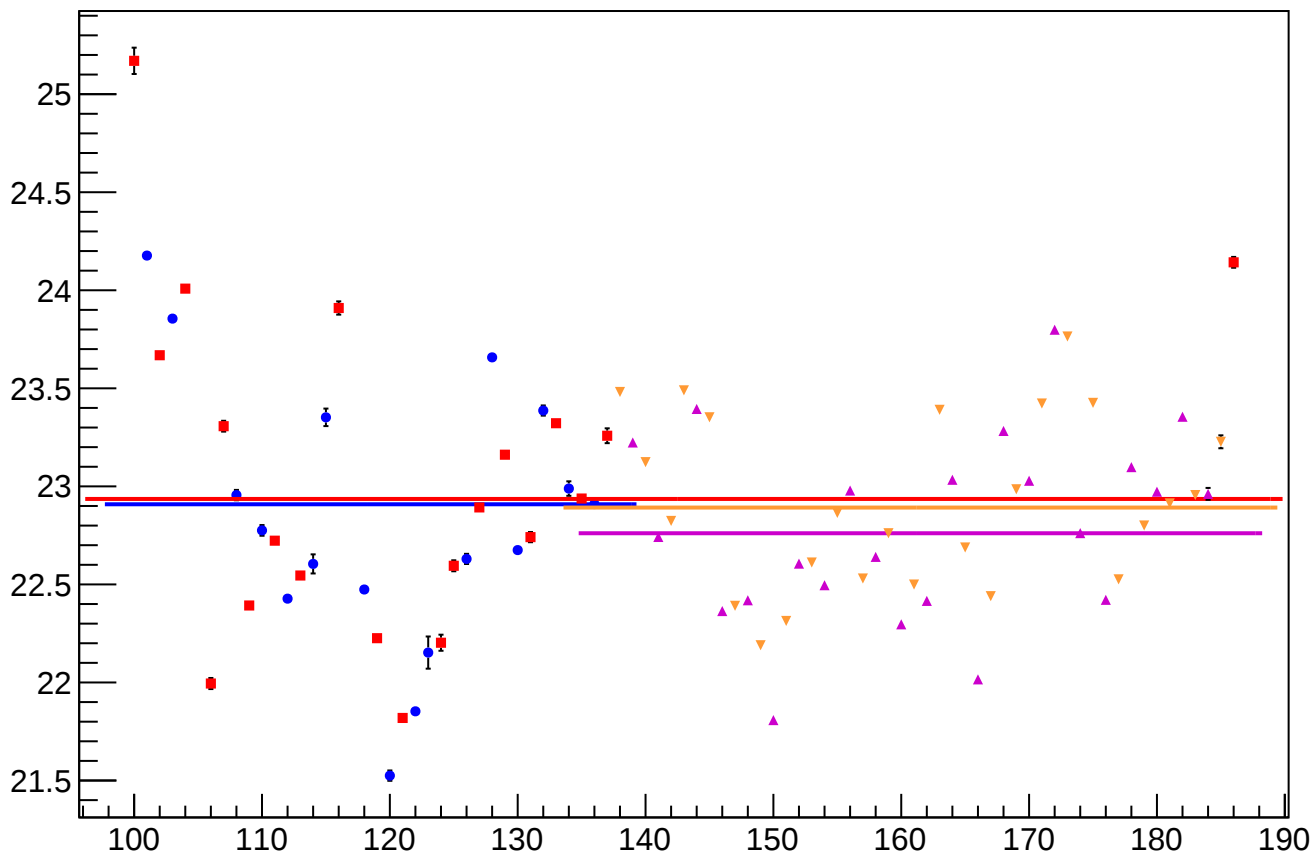
Left In: -5.261 ± 5.465 χ^2/NDF : 20.8/22

+ sign 5.533 ± 4.568 χ^2/NDF : 56.2/41

All: -1.200 ± 3.233 χ^2/NDF : 103.3/84

- sign -7.958 ± 4.576 χ^2/NDF : 42.7/42

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: 22.892 $\pm$ 0.004 χ^2 /NDF:12995.5/24

Right Out: 22.936 $\pm$ 0.006 χ^2 /NDF: 13098.5/19

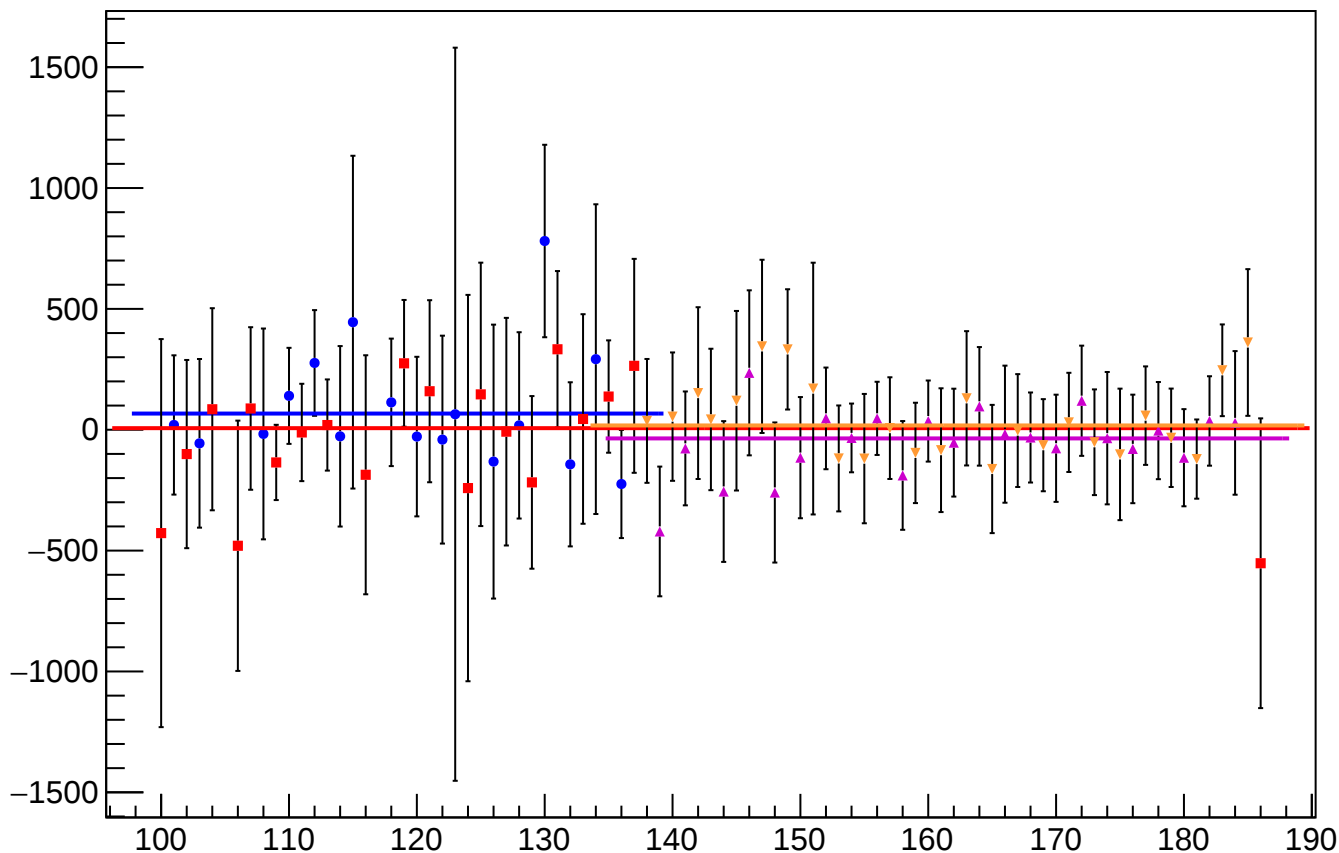
Left In: 22.761 $\pm$ 0.004 χ^2 /NDF:14550.0/22

+ sign 22.896 $\pm$ 0.003 χ^2 /NDF: 25271.3/41

All: 22.855 $\pm$ 0.002 χ^2 /NDF: 53863.0/84

- sign 22.813 $\pm$ 0.003 χ^2 /NDF: 28260.6/42

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 66.962 ± 79.625 χ^2/NDF : 7.3/16

Left Out: 17.777 ± 47.941 χ^2/NDF : 8.5/24

Right Out: 6.550 ± 69.887 χ^2/NDF : 6.7/19

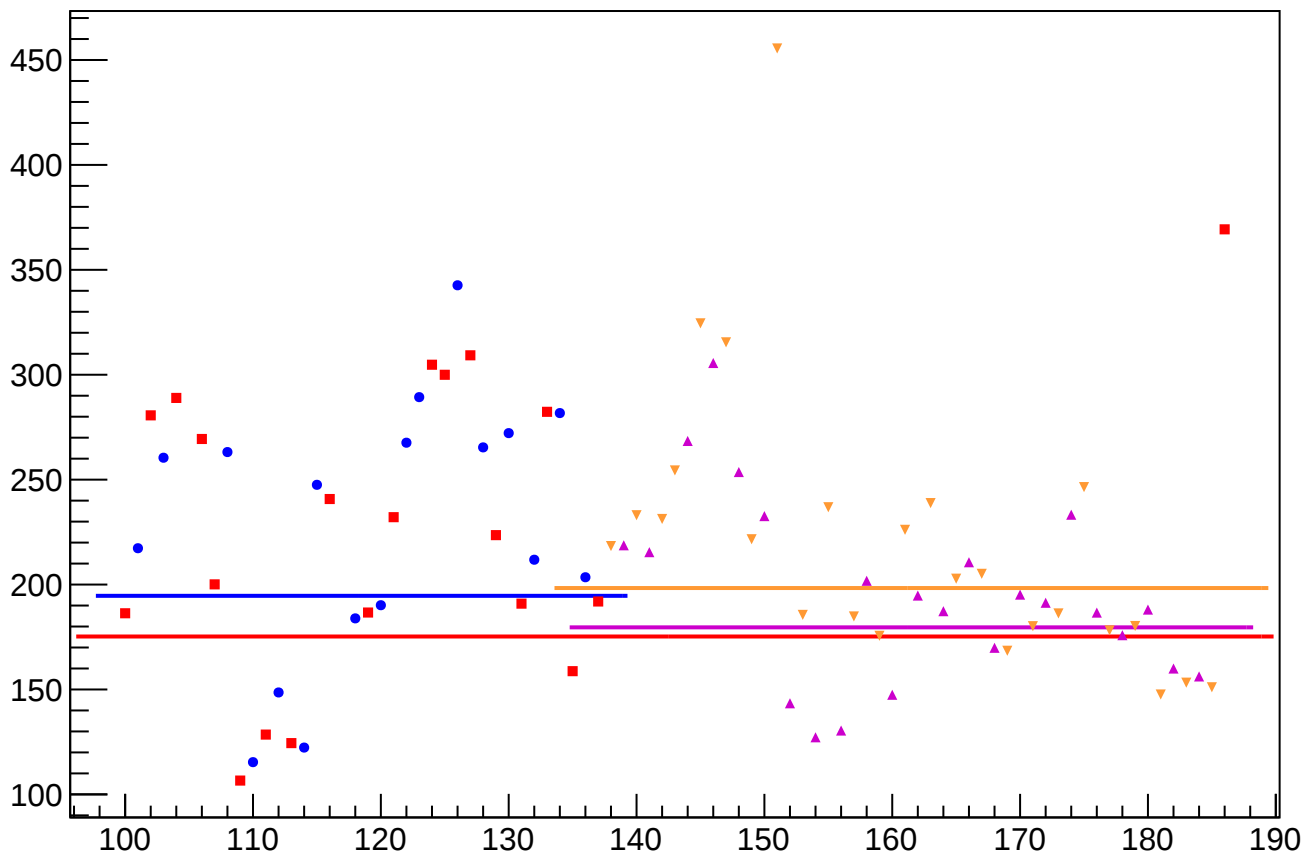
Left In: -35.879 ± 45.087 χ^2/NDF : 6.3/22

+ sign 30.863 ± 41.071 χ^2/NDF : 16.2/41

All: 1.542 ± 27.848 χ^2/NDF : 30.3/84

- sign -23.409 ± 37.887 χ^2/NDF : 13.2/42

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: 198.344+/-0.034 χ^2/NDF : 1757450.6/24

Right Out: 175.246+/-0.049 χ^2/NDF : 1803778.0/19

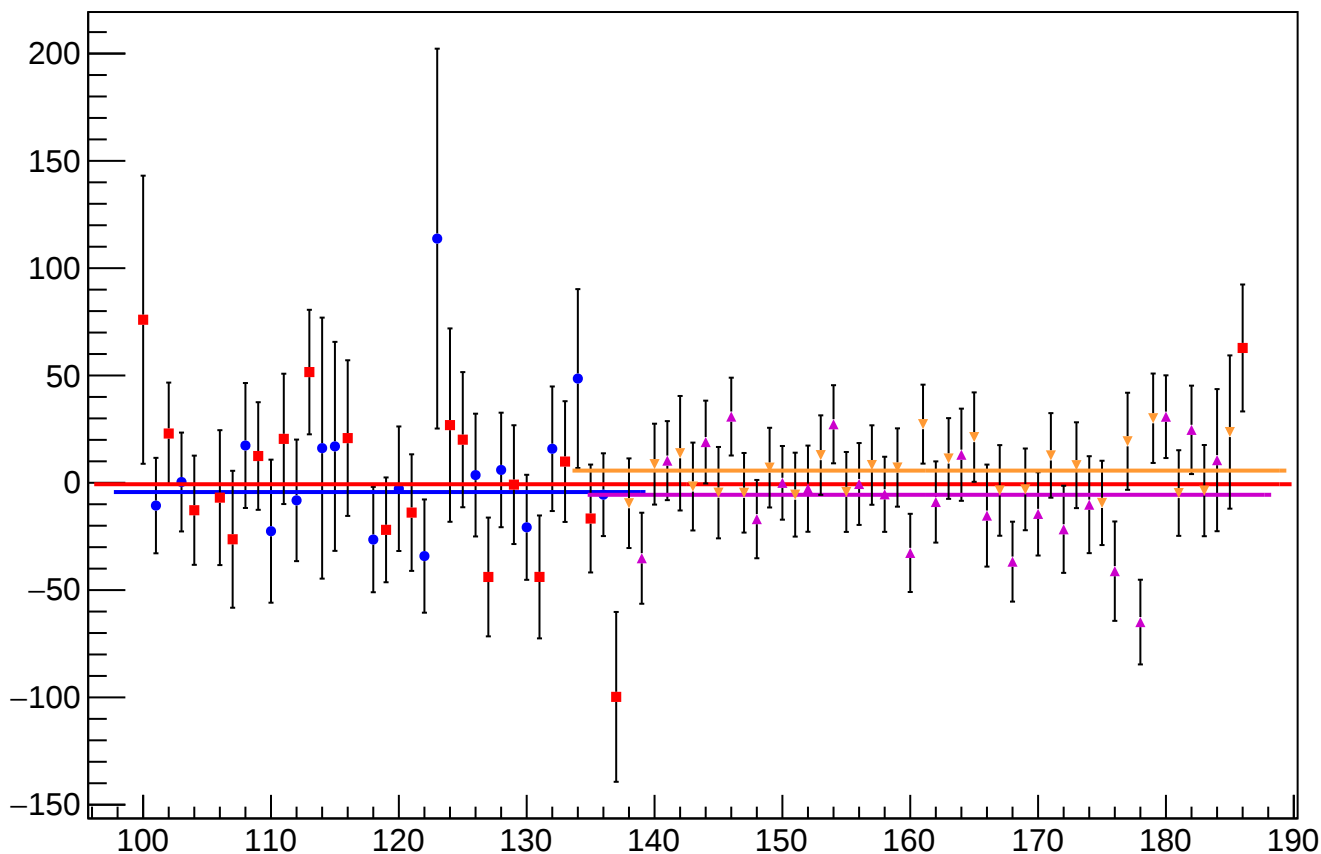
Left In: 179.605+/-0.032 χ^2/NDF : 1575744.0/22

+ sign 197.356+/-0.029 χ^2/NDF : 2781621.2/41

All: 187.074+/-0.020 χ^2/NDF : 6398674.3/84

- sign 178.324+/-0.027 χ^2/NDF : 3385017.1/42

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: 5.680 ± 4.024 χ^2/NDF : 7.7/24

Right Out: -0.673 ± 6.572 χ^2/NDF : 25.5/19

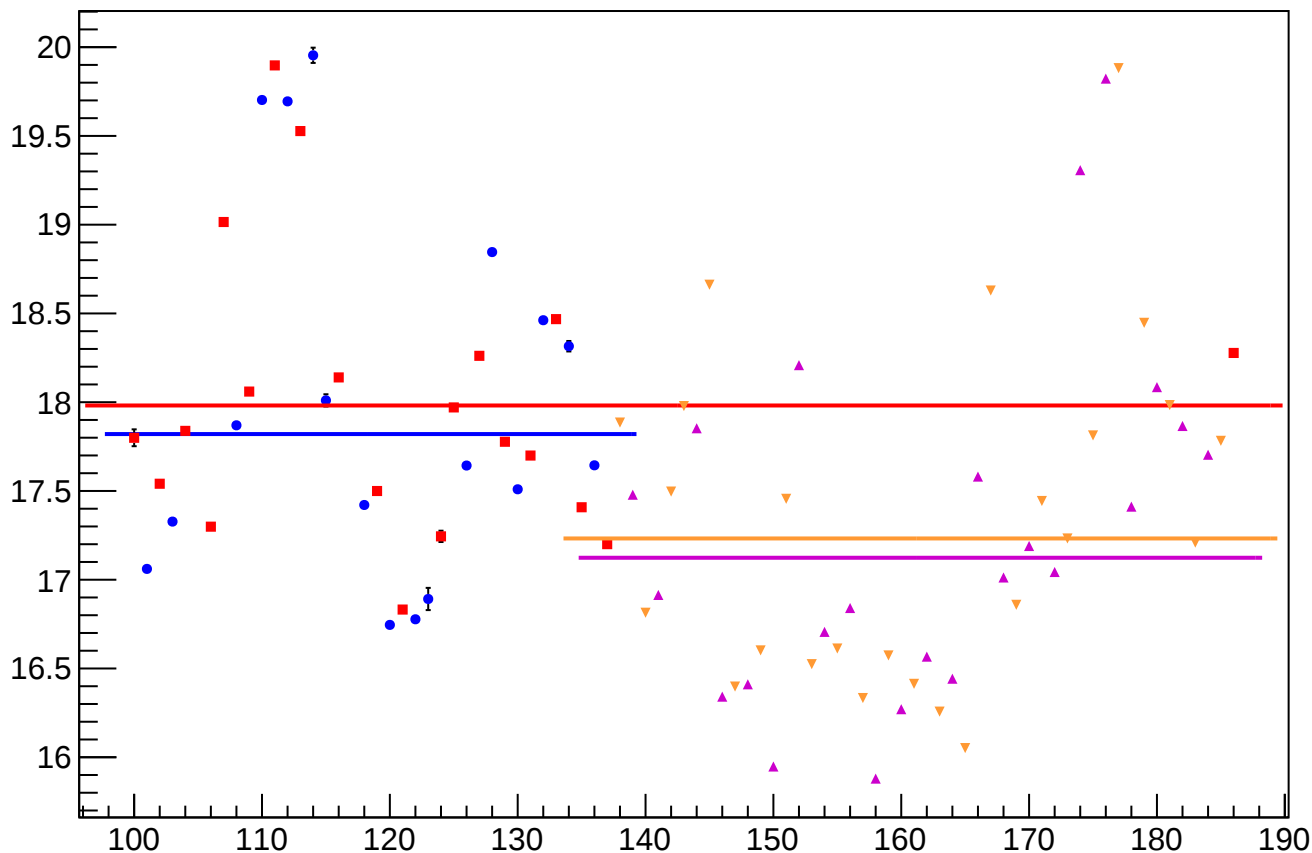
Left In: -5.595 ± 4.121 χ^2/NDF : 36.4/22

+ sign 3.137 ± 3.474 χ^2/NDF : 17.3/41

All: -0.516 ± 2.463 χ^2/NDF : 81.8/84

- sign -4.206 ± 3.492 χ^2/NDF : 62.3/42

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: 17.232 $\pm$ 0.003 χ^2 /NDF: 98701.0/24

Right Out: 17.982 $\pm$ 0.005 χ^2 /NDF: 25530.9/19

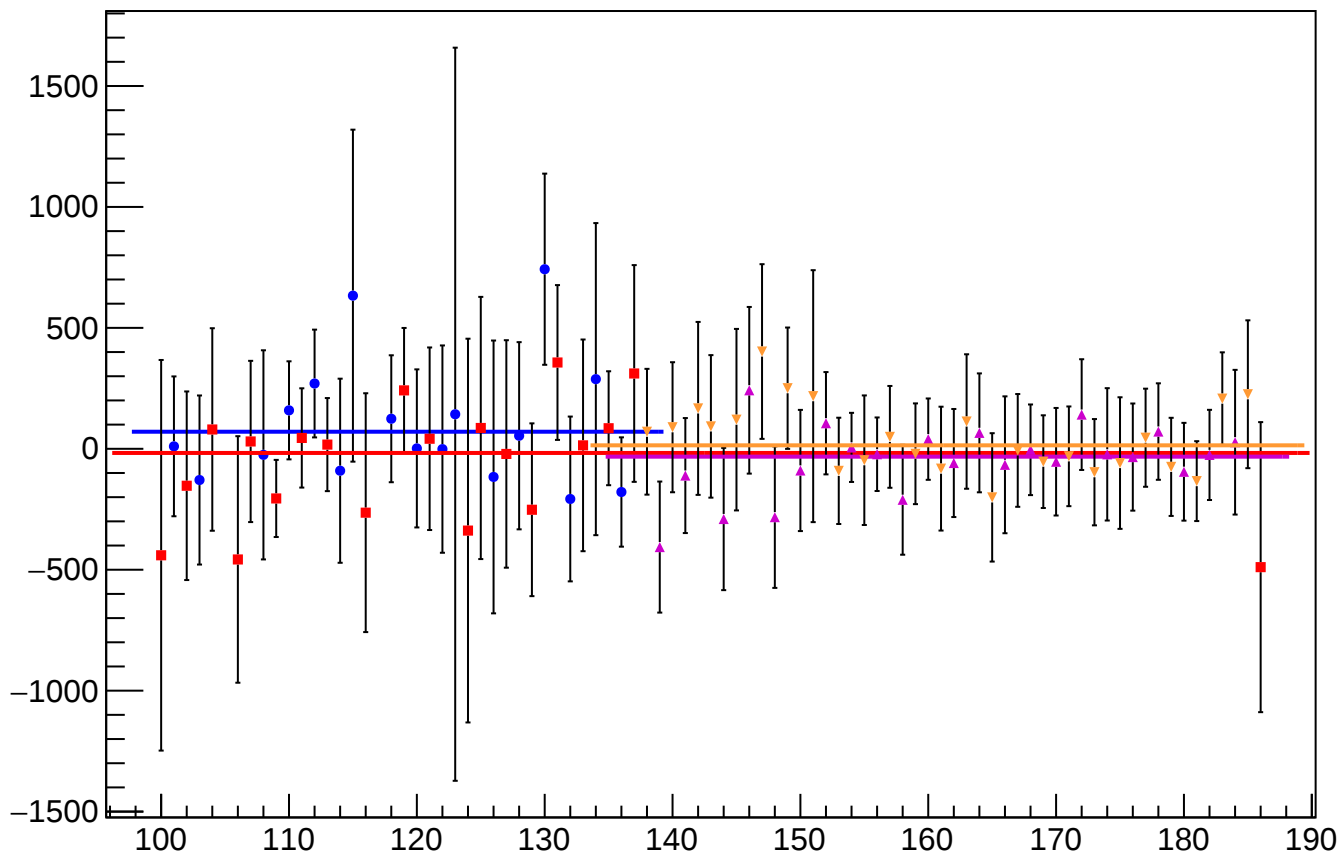
Left In: 17.124 $\pm$ 0.003 χ^2 /NDF: 100747.0/22

+ sign 17.382 $\pm$ 0.002 χ^2 /NDF: 141857.2/41

All: 17.374 $\pm$ 0.002 χ^2 /NDF: 292613.6/84

- sign 17.366 $\pm$ 0.002 χ^2 /NDF: 150734.7/42

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 70.603 $\pm$ 80.168 χ^2 /NDF: 7.4/16

Left Out: 14.362 $\pm$ 48.130 χ^2 /NDF: 6.9/24

Right Out: -17.182 $\pm$ 70.532 χ^2 /NDF: 7.4/19

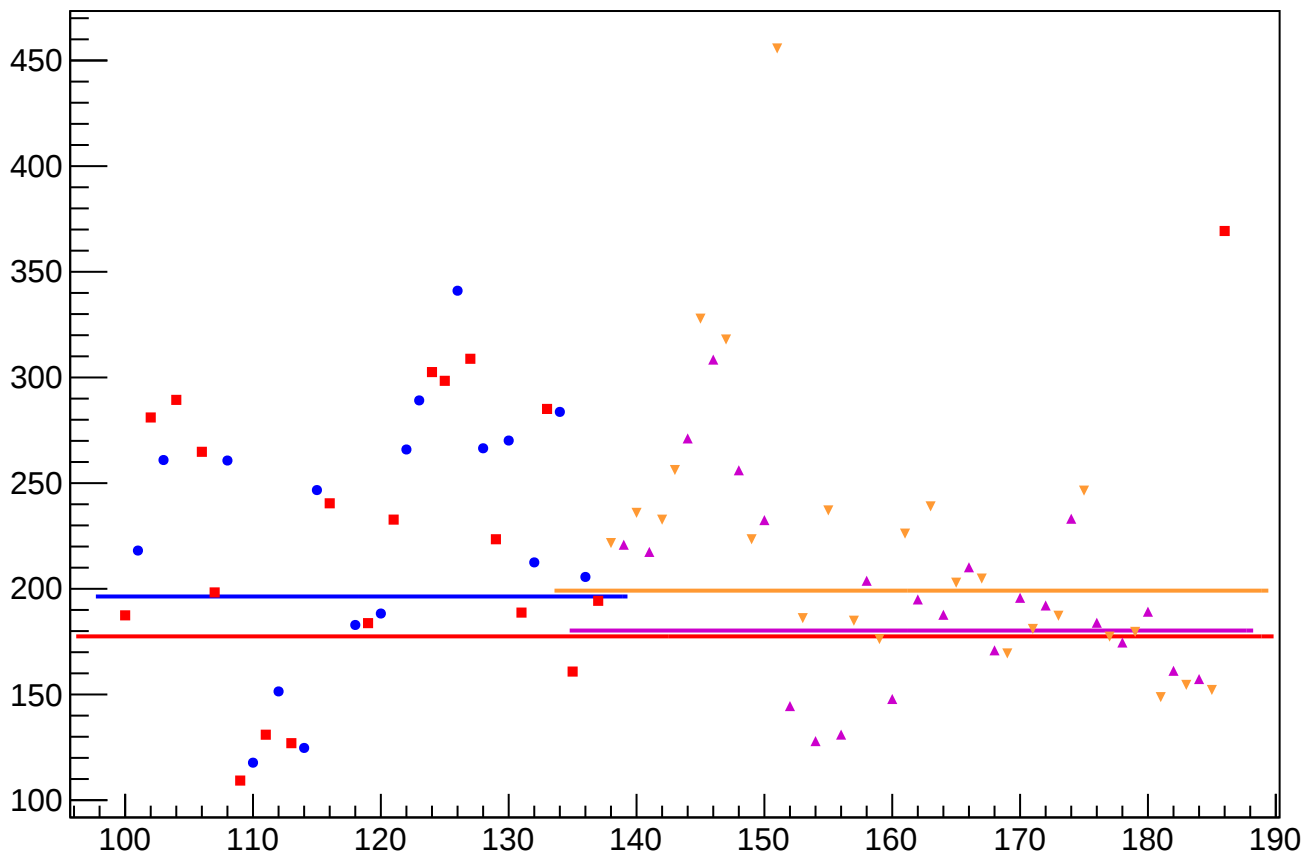
Left In: -32.571 $\pm$ 45.248 χ^2 /NDF: 6.7/22

+ sign 29.263 $\pm$ 41.264 χ^2 /NDF: 14.7/41

All: -1.705 $\pm$ 27.987 χ^2 /NDF: 29.8/84

- sign -28.084 $\pm$ 38.084 χ^2 /NDF: 14.1/42

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.369 $\pm$ 0.057 χ^2 /NDF: 965962.8/16

Left Out: 199.136 $\pm$ 0.034 χ^2 /NDF: 1760298.1/24

Right Out: 177.492 $\pm$ 0.050 χ^2 /NDF: 1713633.3/19

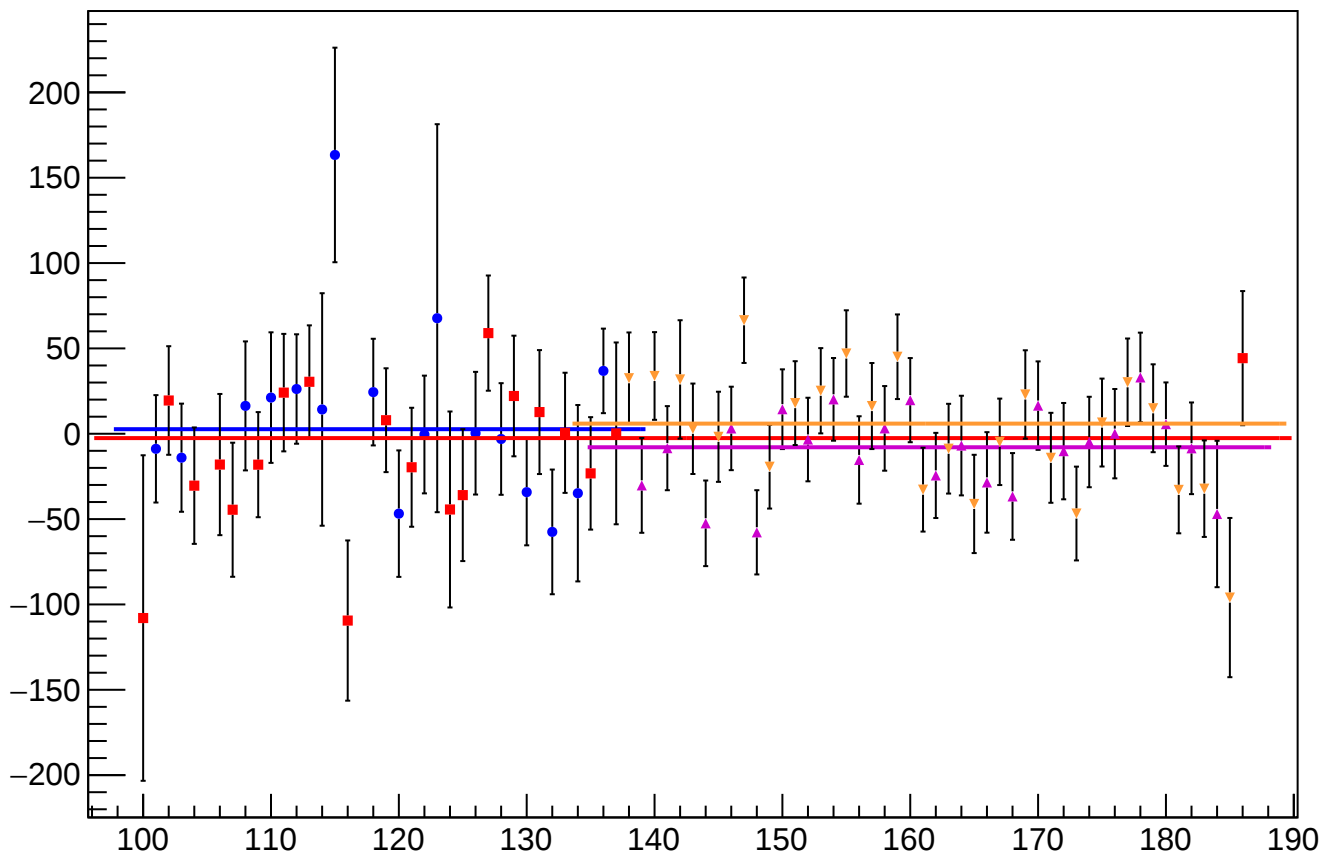
Left In: 180.256 $\pm$ 0.032 χ^2 /NDF: 1580553.5/22

+ sign 198.403 $\pm$ 0.029 χ^2 /NDF: 2728011.9/41

All: 188.168 $\pm$ 0.020 χ^2 /NDF: 6252207.5/84

- sign 179.450 $\pm$ 0.027 χ^2 /NDF: 3296363.6/42

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: 5.937 ± 5.285 $\chi^2/\text{NDF}: 36.1/24$

Right Out: -2.547 ± 8.304 $\chi^2/\text{NDF}: 18.1/19$

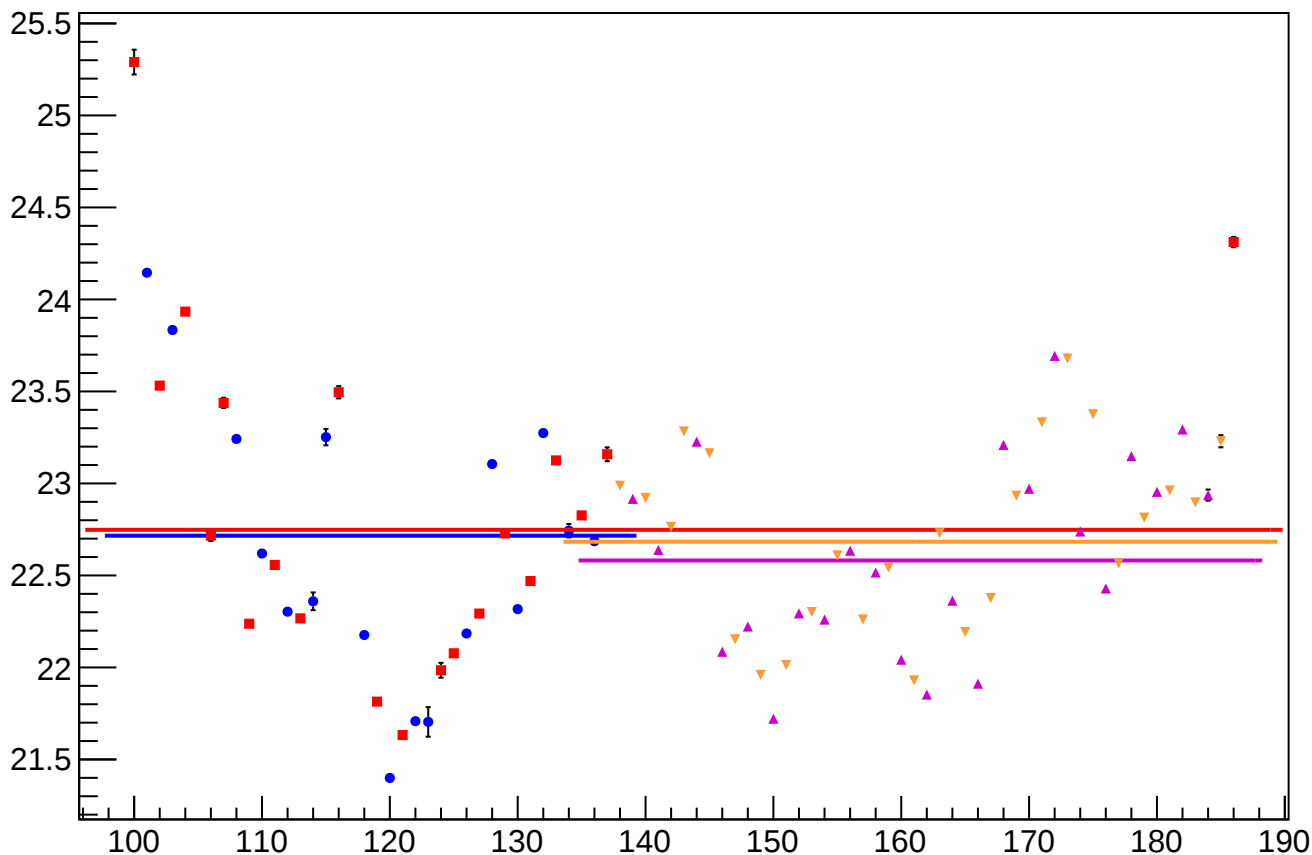
Left In: -7.915 ± 5.422 $\chi^2/\text{NDF}: 18.7/22$

+ sign 5.069 ± 4.527 $\chi^2/\text{NDF}: 53.3/41$

All: -0.605 ± 3.206 $\chi^2/\text{NDF}: 93.6/84$

- sign -6.311 ± 4.540 $\chi^2/\text{NDF}: 37.1/42$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.716 $\pm$ 0.006 χ^2 /NDF: 14058.2/16

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF:16320.2/24

Right Out: 22.748 $\pm$ 0.006 χ^2 /NDF: 16111.3/19

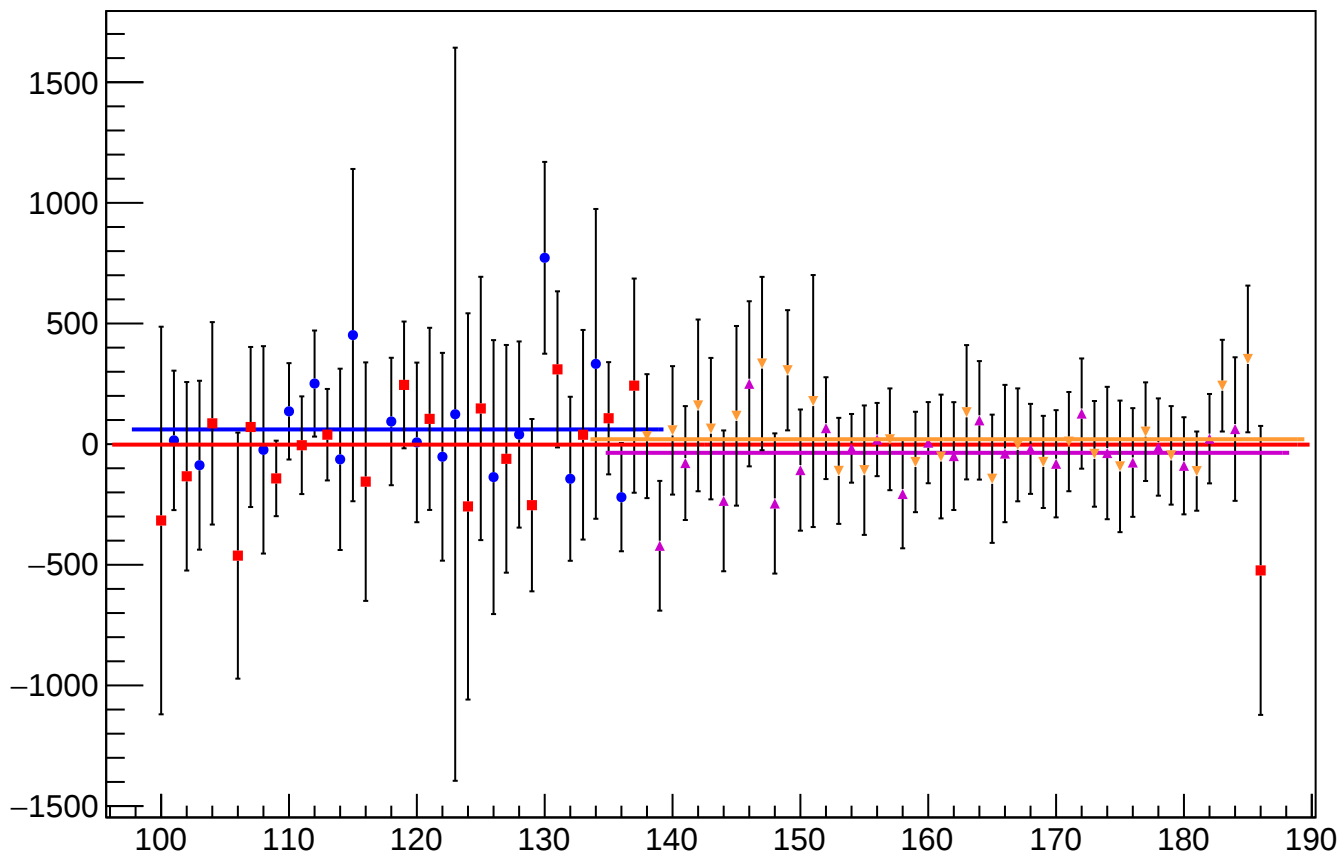
Left In: 22.581 $\pm$ 0.004 χ^2 /NDF:17904.5/22

+ sign 22.692 $\pm$ 0.003 χ^2 /NDF: 30398.9/41

All: 22.662 $\pm$ 0.002 χ^2 /NDF: 65159.9/84

- sign 22.631 $\pm$ 0.003 χ^2 /NDF: 34581.0/42

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 60.977 $\pm$ 79.827 χ^2 /NDF: 7.1/16

Left Out: 20.306 $\pm$ 48.049 χ^2 /NDF: 7.7/24

Right Out: -1.998 $\pm$ 70.045 χ^2 /NDF: 6.0/19

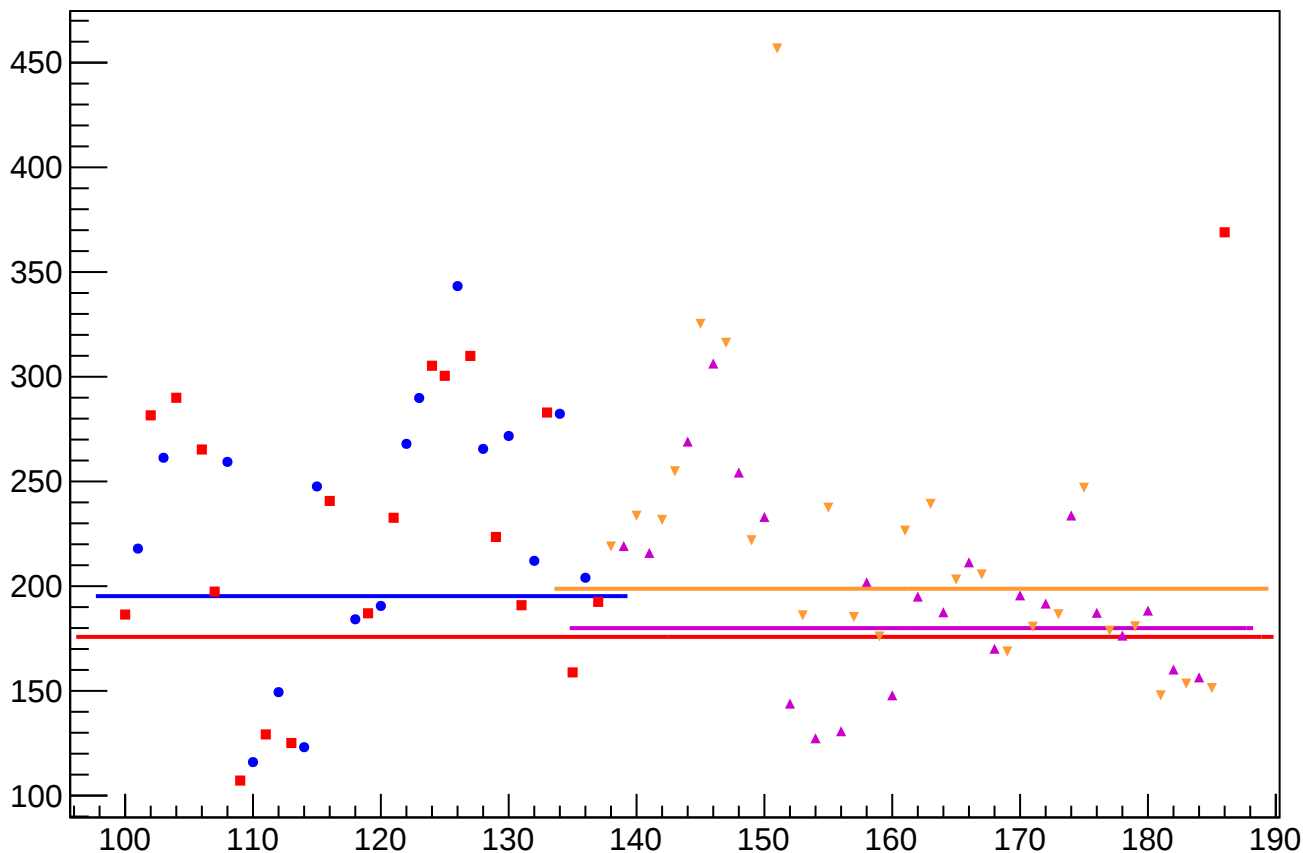
Left In: -35.996 $\pm$ 45.180 χ^2 /NDF: 6.1/22

+ sign 31.123 $\pm$ 41.167 χ^2 /NDF: 15.0/41

All: 0.252 $\pm$ 27.909 χ^2 /NDF: 28.3/84

- sign -26.007 $\pm$ 37.967 χ^2 /NDF: 12.2/42

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: 198.784 $\pm$ 0.034 χ^2 /NDF: 1758481.8/24

Right Out: 175.781 $\pm$ 0.050 χ^2 /NDF: 1783748.8/19

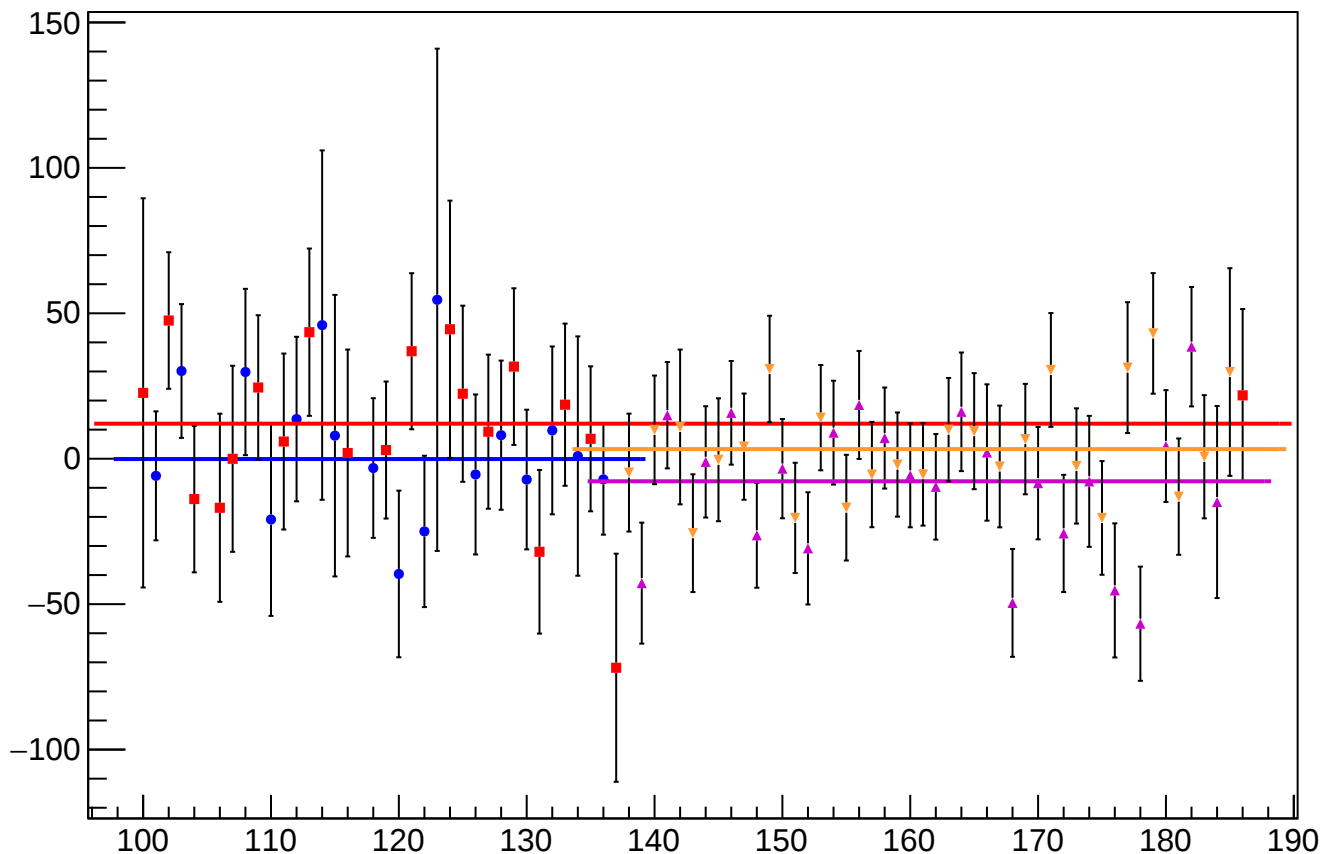
Left In: 179.972 $\pm$ 0.032 χ^2 /NDF: 1575888.3/22

+ sign 197.844 $\pm$ 0.029 χ^2 /NDF: 2766695.3/41

All: 187.521 $\pm$ 0.020 χ^2 /NDF: 6364106.4/84

- sign 178.741 $\pm$ 0.027 χ^2 /NDF: 3364694.2/42

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: 3.307 ± 3.954 χ^2/NDF : 18.7/24

Right Out: 12.047 ± 6.482 χ^2/NDF : 15.3/19

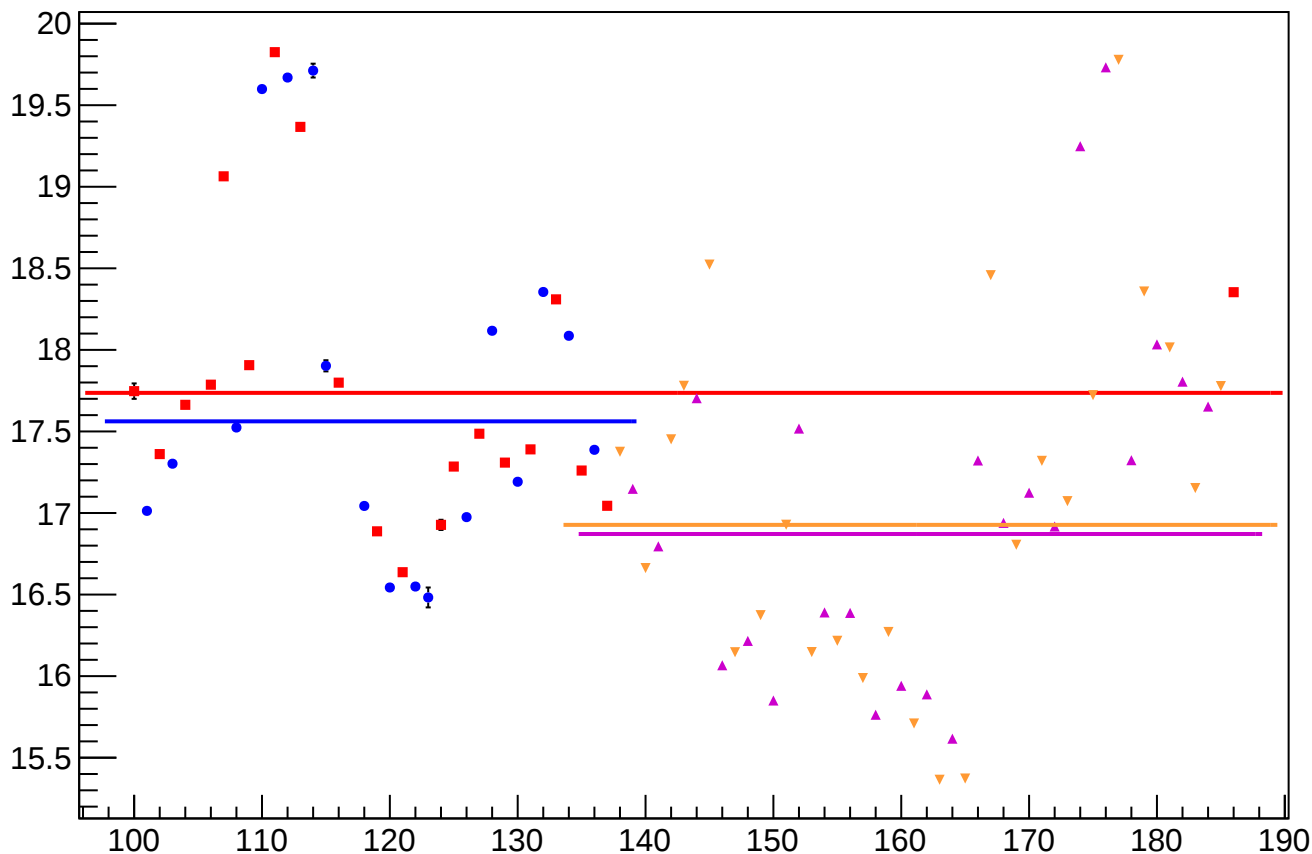
Left In: -7.756 ± 4.061 χ^2/NDF : 34.3/22

+ sign 2.441 ± 3.416 χ^2/NDF : 26.8/41

All: 0.150 ± 2.424 χ^2/NDF : 84.0/84

- sign -2.174 ± 3.441 χ^2/NDF : 56.3/42

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: 16.927 $\pm$ 0.003 χ^2 /NDF:138533.2/24

Right Out: 17.737 $\pm$ 0.005 χ^2 /NDF: 31158.4/19

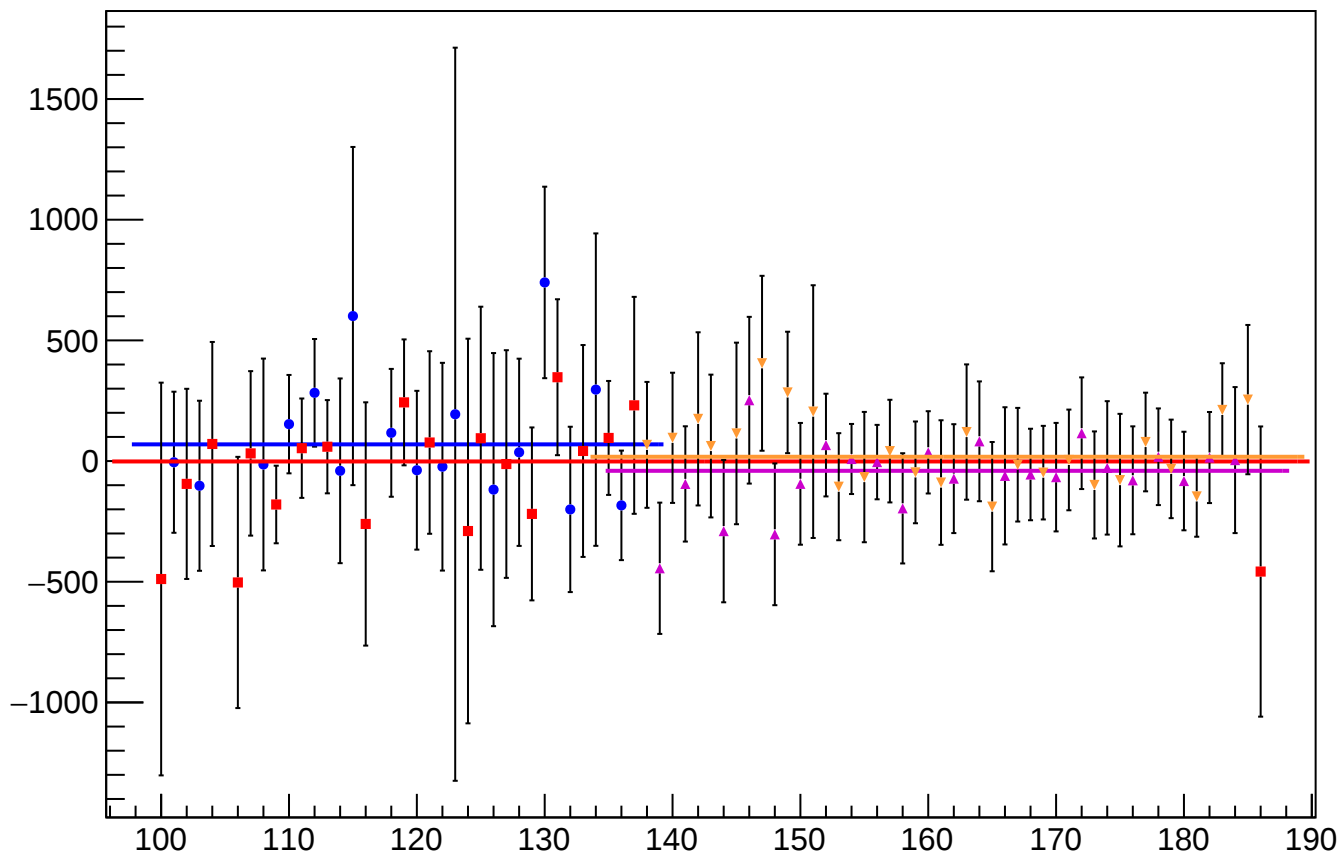
Left In: 16.871 $\pm$ 0.003 χ^2 /NDF:117993.8/22

+ sign 17.088 $\pm$ 0.002 χ^2 /NDF: 185530.0/41

All: 17.102 $\pm$ 0.002 χ^2 /NDF: 360336.3/84

- sign 17.115 $\pm$ 0.002 χ^2 /NDF: 174744.2/42

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 69.218 $\pm$ 80.633 χ^2 /NDF: 7.2/16

Left Out: 17.828 $\pm$ 48.547 χ^2 /NDF: 7.5/24

Right Out: -1.608 $\pm$ 71.020 χ^2 /NDF: 6.7/19

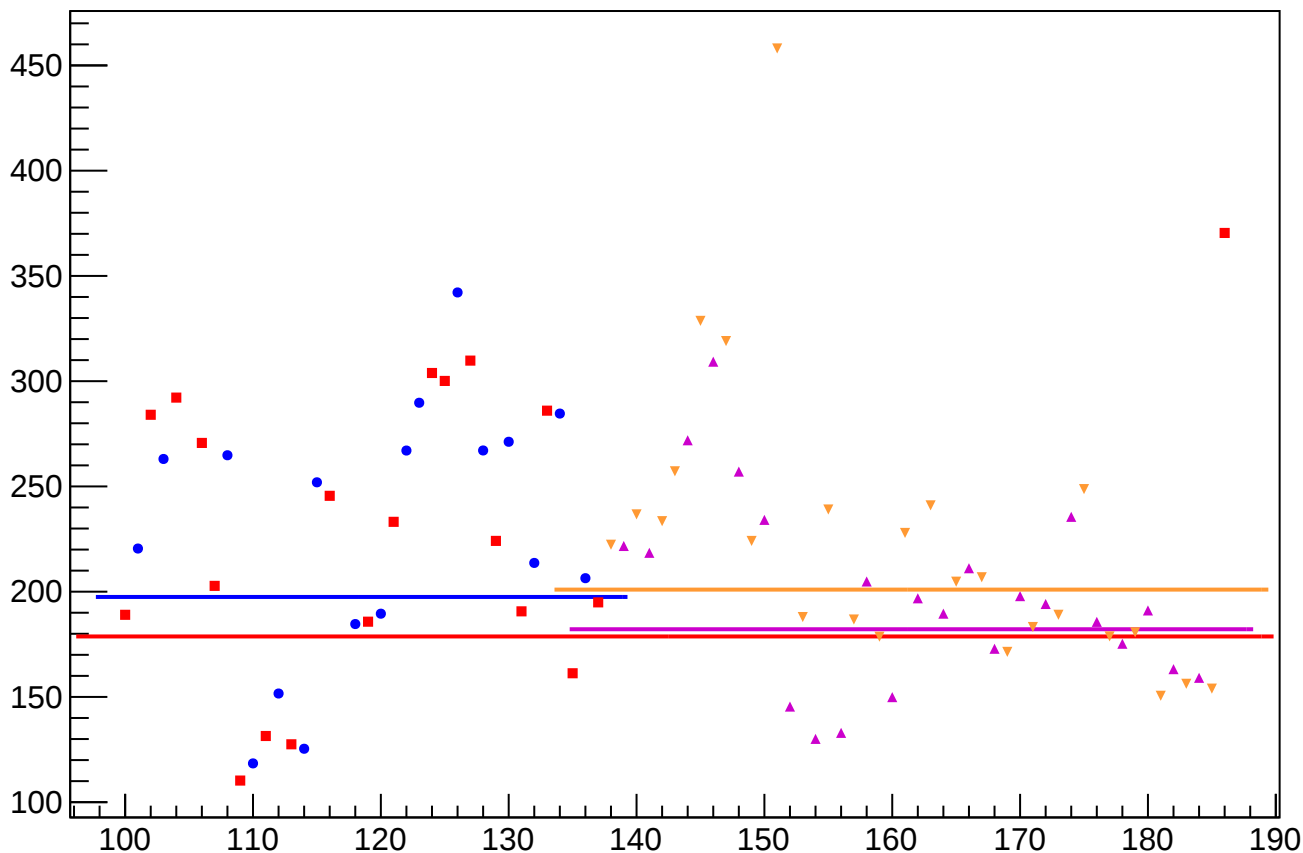
Left In: -40.355 $\pm$ 45.689 χ^2 /NDF: 6.6/22

+ sign 31.500 $\pm$ 41.591 χ^2 /NDF: 15.0/41

All: -1.147 $\pm$ 28.223 χ^2 /NDF: 29.7/84

- sign -29.013 $\pm$ 38.424 χ^2 /NDF: 13.5/42

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.498 $\pm$ 0.057 χ^2/NDF : 970879.0/16

Left Out: 200.985 $\pm$ 0.034 χ^2/NDF : 1727291.4/24

Right Out: 178.729 $\pm$ 0.050 χ^2/NDF : 1720996.8/19

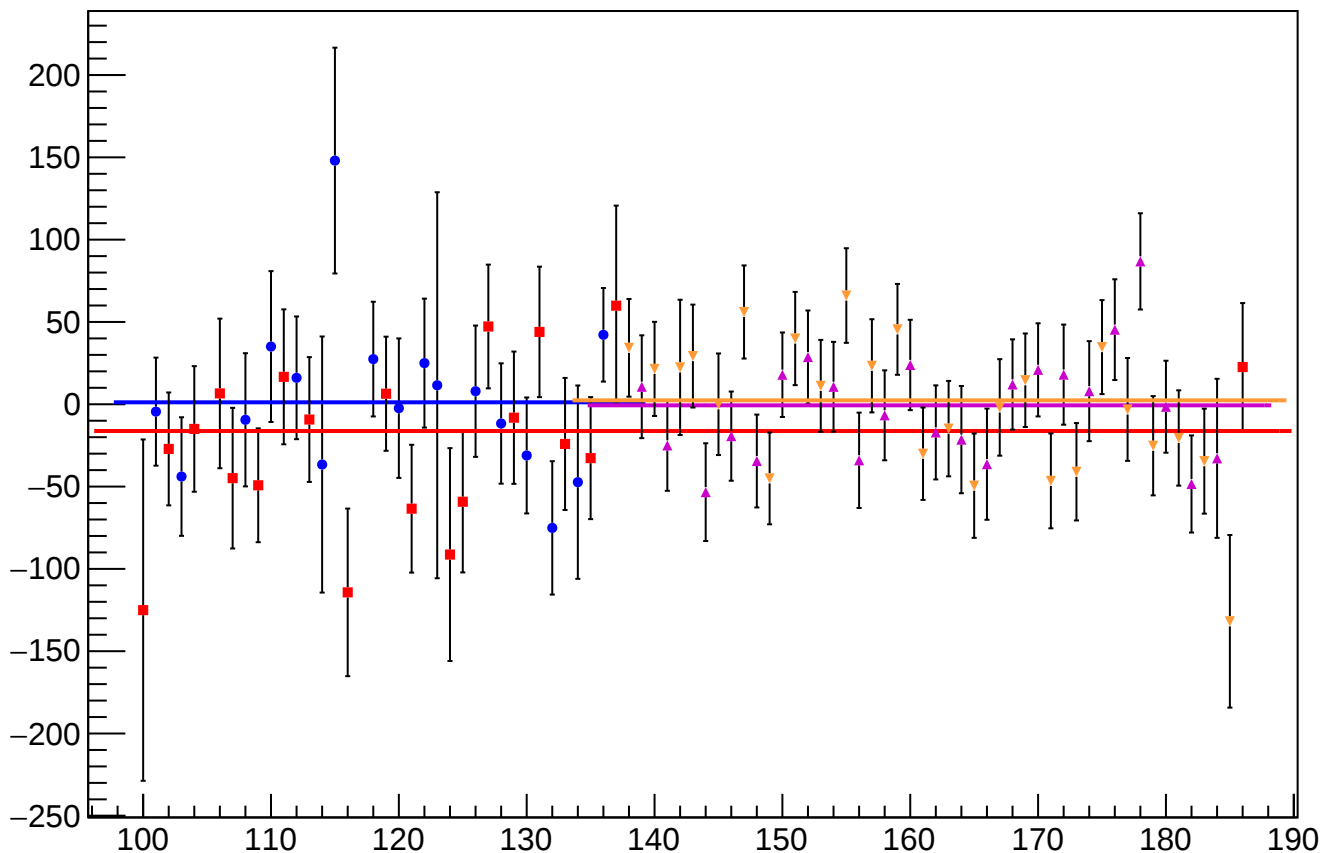
Left In: 182.158 $\pm$ 0.032 χ^2/NDF : 1535922.8/22

+ sign 200.057 $\pm$ 0.029 χ^2/NDF : 2700916.5/41

All: 189.859 $\pm$ 0.020 χ^2/NDF : 6184025.1/84

- sign 181.154 $\pm$ 0.027 χ^2/NDF : 3260217.5/42

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: 2.390 ± 5.980 $\chi^2/\text{NDF}: 39.1/24$

Right Out: -16.252 ± 9.244 $\chi^2/\text{NDF}: 19.5/19$

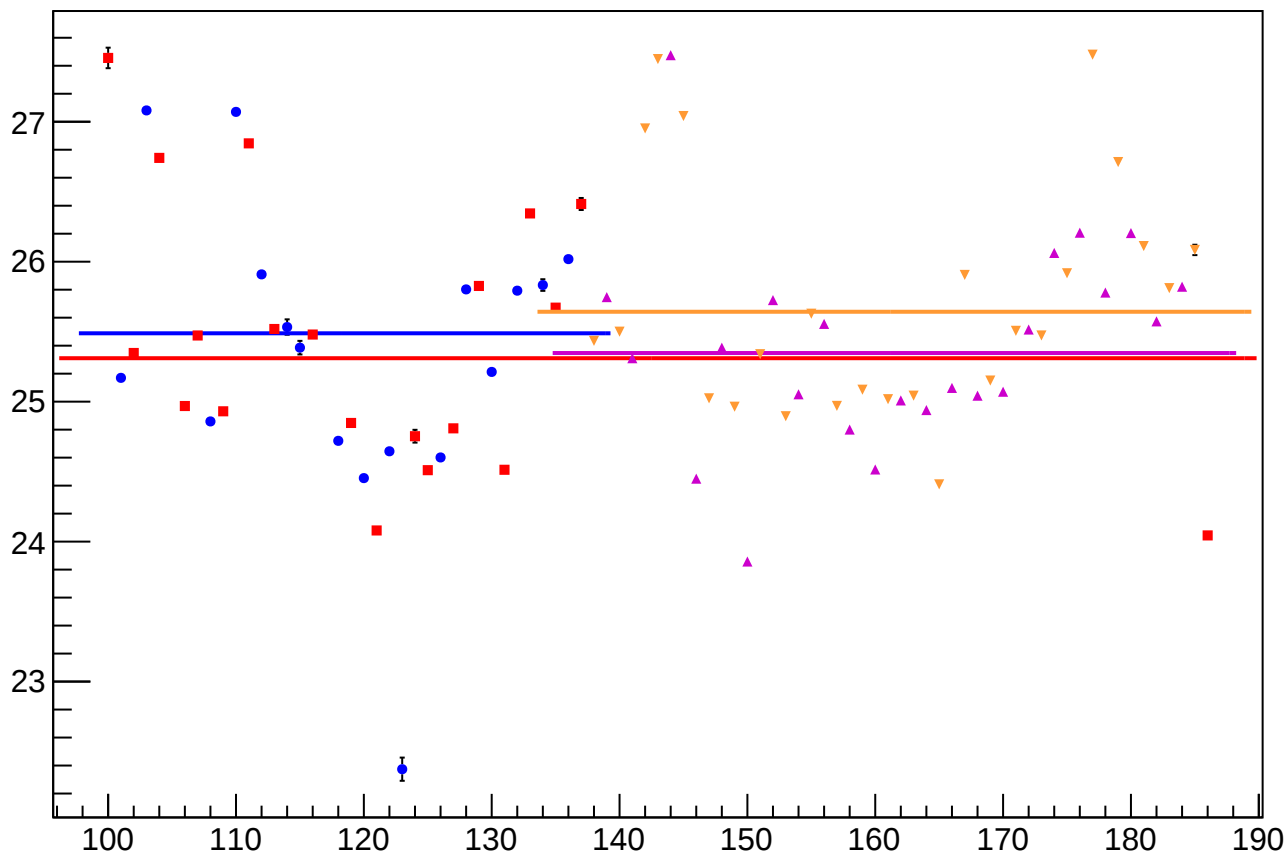
Left In: -0.641 ± 6.091 $\chi^2/\text{NDF}: 27.3/22$

+ sign 2.066 ± 5.111 $\chi^2/\text{NDF}: 54.6/41$

All: -1.668 ± 3.605 $\chi^2/\text{NDF}: 104.4/84$

- sign -5.367 ± 5.086 $\chi^2/\text{NDF}: 48.8/42$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.488+/-0.007 χ^2/NDF : 13867.7/16

Left Out: 25.642+/-0.004 χ^2/NDF : 34802.2/24

Right Out: 25.310+/-0.007 χ^2/NDF : 15949.1/19

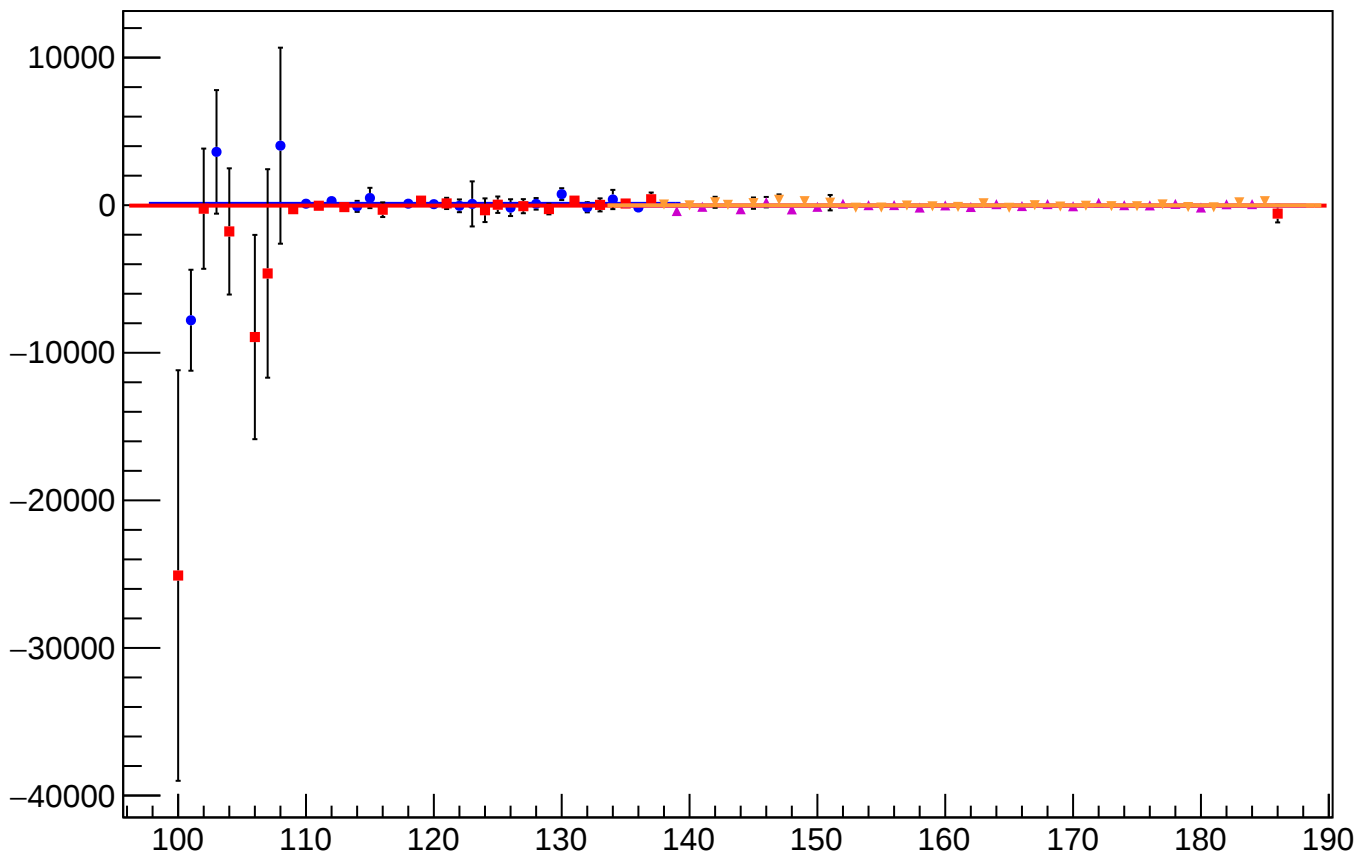
Left In: 25.347+/-0.004 χ^2/NDF : 29389.5/22

+ sign 25.601+/-0.004 χ^2/NDF : 49026.8/41

All: 25.468+/-0.003 χ^2/NDF : 97081.6/84

- sign 25.336+/-0.004 χ^2/NDF : 45361.0/42

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 89.231 $\pm$ 87.920 χ^2 /NDF: 12.5/16

Left Out: -11.432 $\pm$ 48.263 χ^2 /NDF: 8.0/24

Right Out: -28.738 $\pm$ 80.194 χ^2 /NDF: 12.8/19

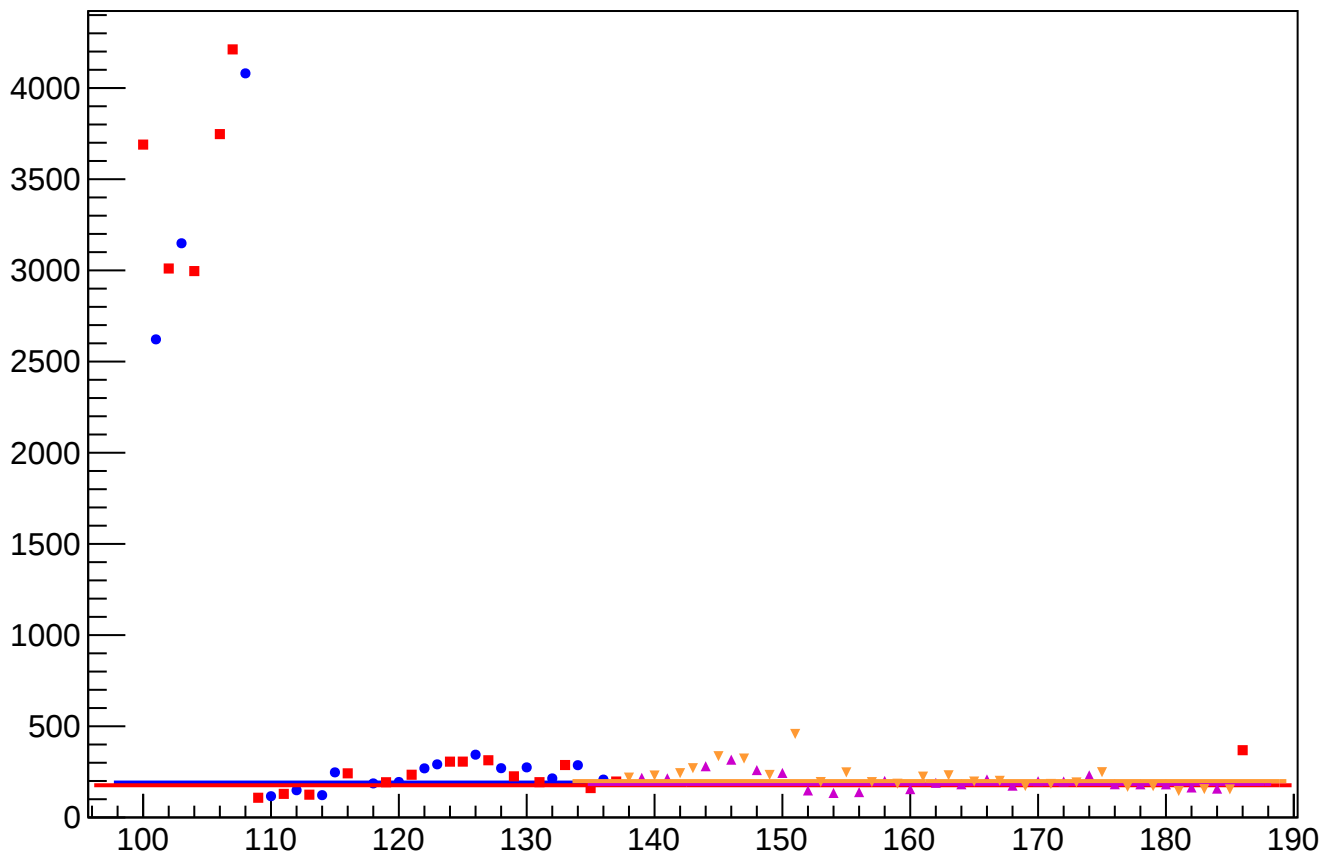
Left In: -27.098 $\pm$ 45.999 χ^2 /NDF: 7.2/22

+ sign 11.878 $\pm$ 42.308 χ^2 /NDF: 21.5/41

All: -8.965 $\pm$ 29.028 χ^2 /NDF: 41.9/84

- sign -27.504 $\pm$ 39.901 χ^2 /NDF: 20.0/42

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: 199.438 $\pm$ 0.034 χ^2 /NDF: 1877848.7/24

Right Out: 176.580 $\pm$ 0.057 χ^2 /NDF: 4411445.5/19

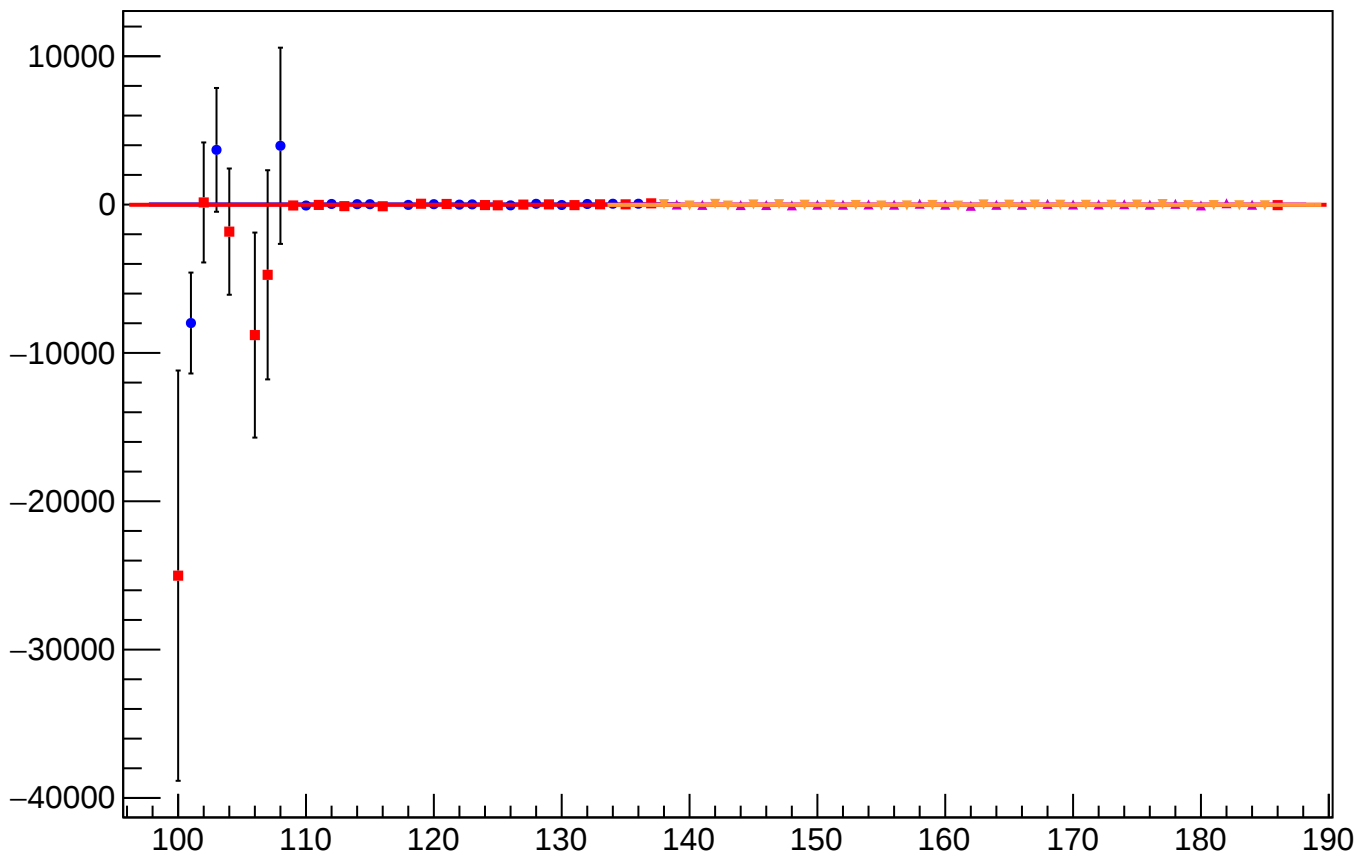
Left In: 183.805 $\pm$ 0.033 χ^2 /NDF: 1412869.6/22

+ sign 197.582 $\pm$ 0.030 χ^2 /NDF: 5464179.3/41

All: 189.344 $\pm$ 0.021 χ^2 /NDF: 11443989.7/84

- sign 182.016 $\pm$ 0.028 χ^2 /NDF: 5836530.3/42

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 11.464 $\pm$ 12.227 χ^2 /NDF: 18.3/16

Left Out: -18.118 $\pm$ 6.704 χ^2 /NDF:21.7/24

Right Out: -13.271 $\pm$ 11.938 χ^2 /NDF: 24.1/19

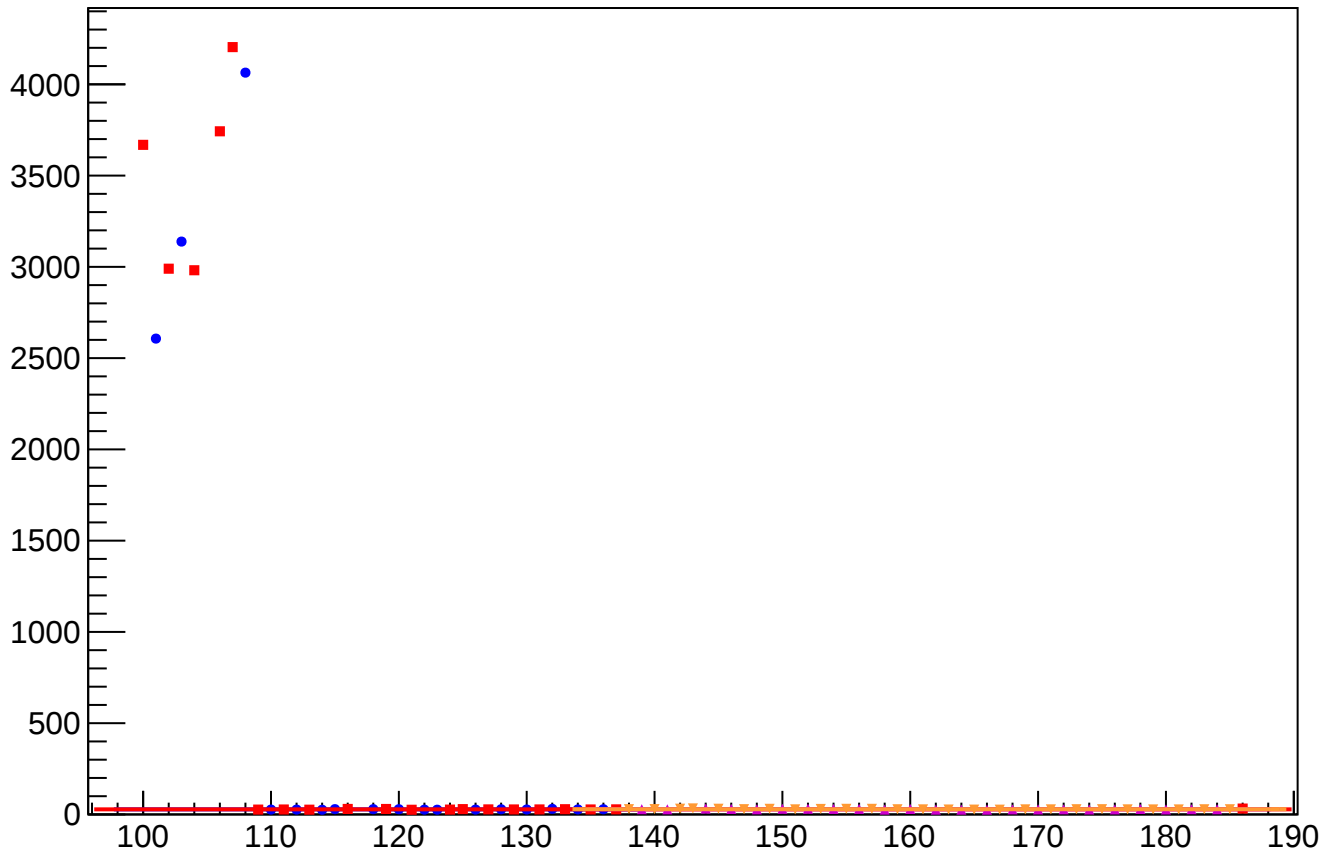
Left In: -1.267 $\pm$ 6.908 χ^2 /NDF:32.0/22

+ sign -11.281 $\pm$ 5.878 χ^2 /NDF: 44.5/41

All: -7.839 $\pm$ 4.192 χ^2 /NDF: 102.1/84

- sign -4.278 $\pm$ 5.979 χ^2 /NDF: 56.9/42

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: 28.694 $\pm$ 0.005 χ^2 /NDF: 110466.9/24

Right Out: 27.950 $\pm$ 0.008 χ^2 /NDF: 3491010.9/19

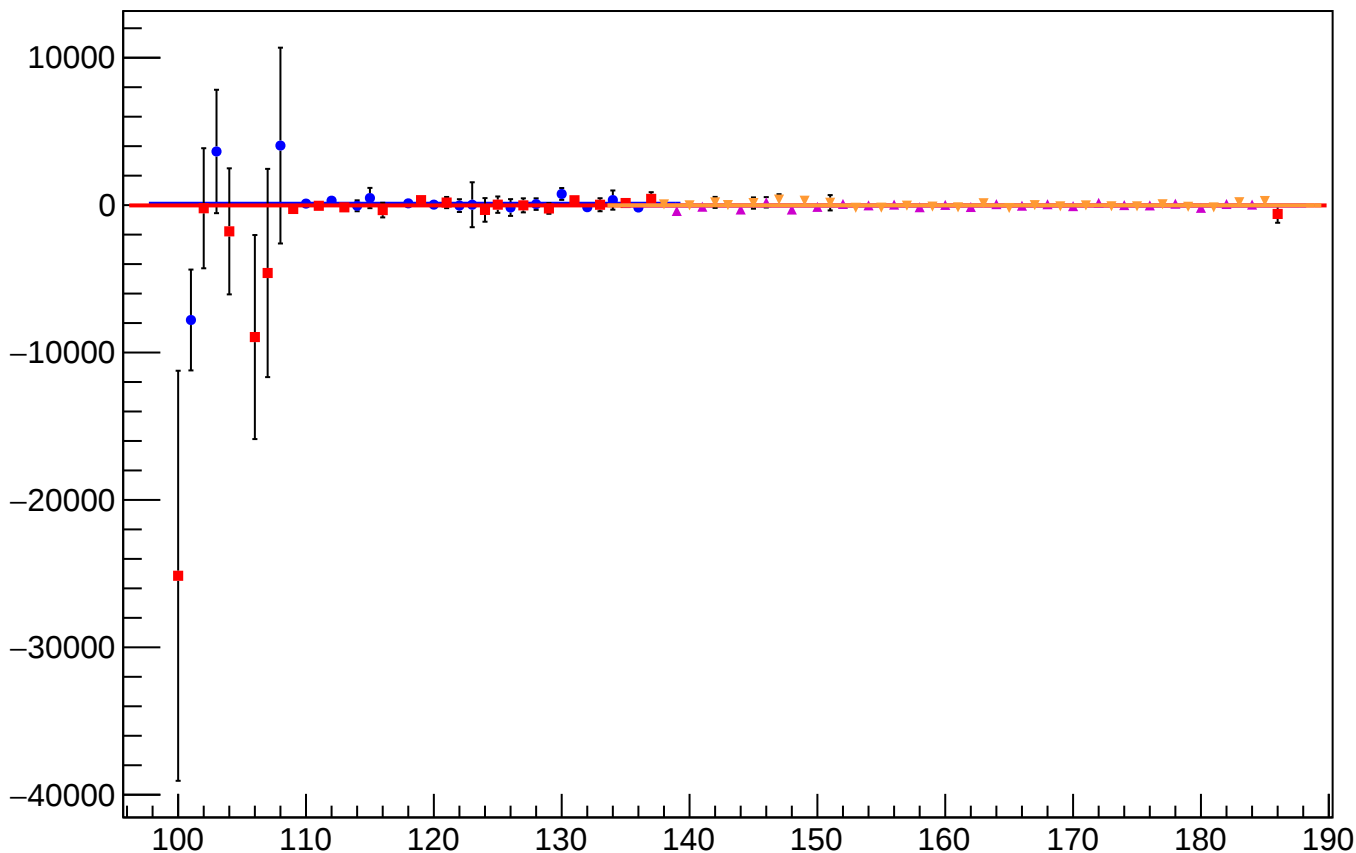
Left In: 28.677 $\pm$ 0.005 χ^2 /NDF: 123814.4/22

+ sign 28.501 $\pm$ 0.004 χ^2 /NDF: 3144601.9/41

All: 28.498 $\pm$ 0.003 χ^2 /NDF: 6764984.9/84

- sign 28.494 $\pm$ 0.004 χ^2 /NDF: 3620381.9/42

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: -13.878 $\pm$ 48.155 χ^2 /NDF: 8.8/24

Right Out: -19.587 $\pm$ 79.941 χ^2 /NDF: 13.7/19

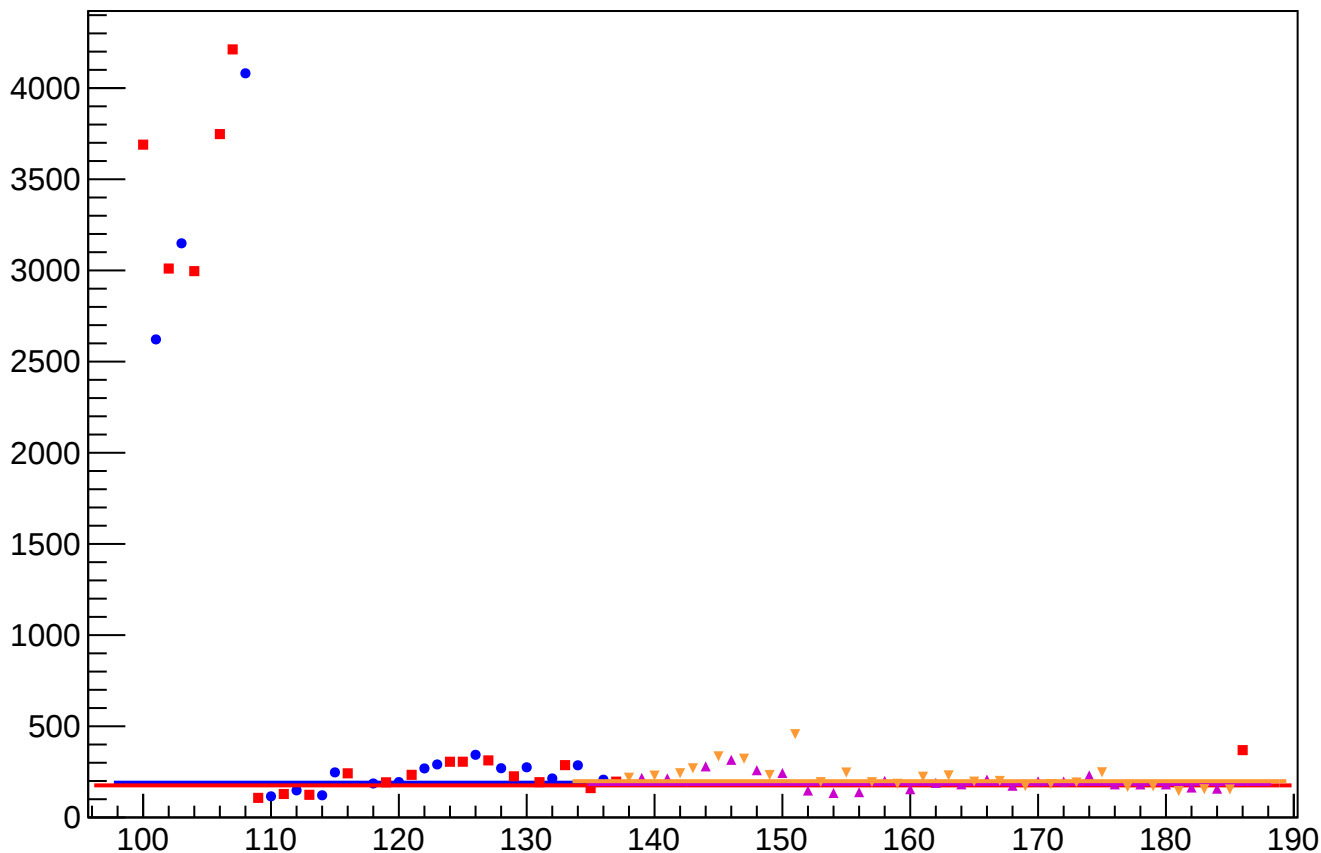
Left In: -27.286 $\pm$ 45.907 χ^2 /NDF: 7.5/22

+ sign 11.091 $\pm$ 42.205 χ^2 /NDF: 22.7/41

All: -8.207 $\pm$ 28.959 χ^2 /NDF: 44.3/84

- sign -25.377 $\pm$ 39.810 χ^2 /NDF: 21.2/42

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: 198.997 $\pm$ 0.034 χ^2 /NDF: 1877636.0/24

Right Out: 175.903 $\pm$ 0.057 χ^2 /NDF: 4424479.4/19

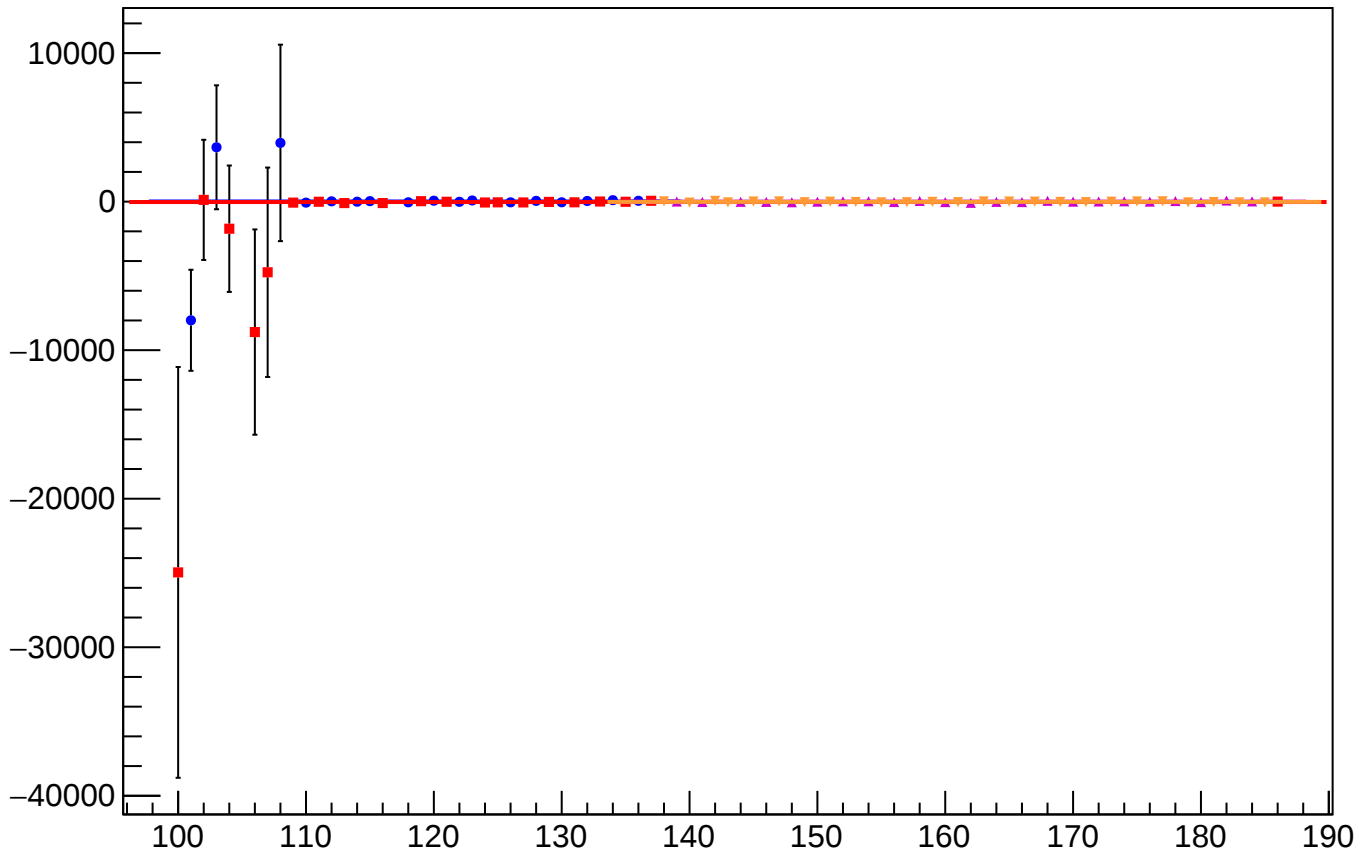
Left In: 183.442 $\pm$ 0.032 χ^2 /NDF: 1412341.8/22

+ sign 197.076 $\pm$ 0.030 χ^2 /NDF: 5476767.5/41

All: 188.872 $\pm$ 0.020 χ^2 /NDF: 11469775.7/84

- sign 181.572 $\pm$ 0.028 χ^2 /NDF: 5850194.7/42

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: -15.829 $\pm$ 6.733 χ^2 /NDF:16.5/24

Right Out: -26.741 $\pm$ 12.012 χ^2 /NDF: 16.5/19

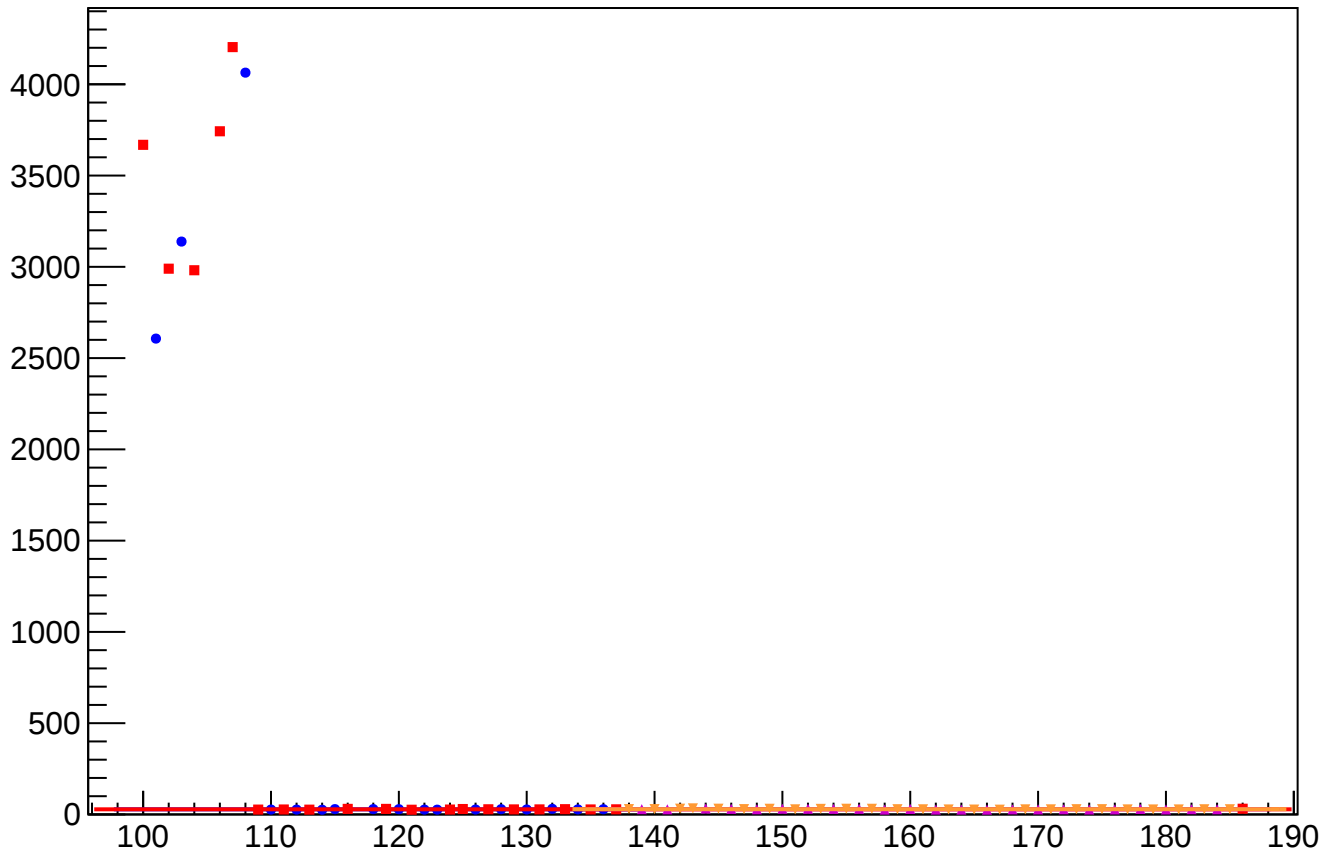
Left In: 0.498 $\pm$ 6.937 χ^2 /NDF:26.1/22

+ sign -9.999 $\pm$ 5.907 χ^2 /NDF: 42.3/41

All: -8.188 $\pm$ 4.212 χ^2 /NDF: 88.9/84

- sign -6.314 $\pm$ 6.007 χ^2 /NDF: 46.5/42

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: 28.814 $\pm$ 0.005 χ^2 /NDF: 122153.6/24

Right Out: 28.125 $\pm$ 0.008 χ^2 /NDF: 3488197.0/19

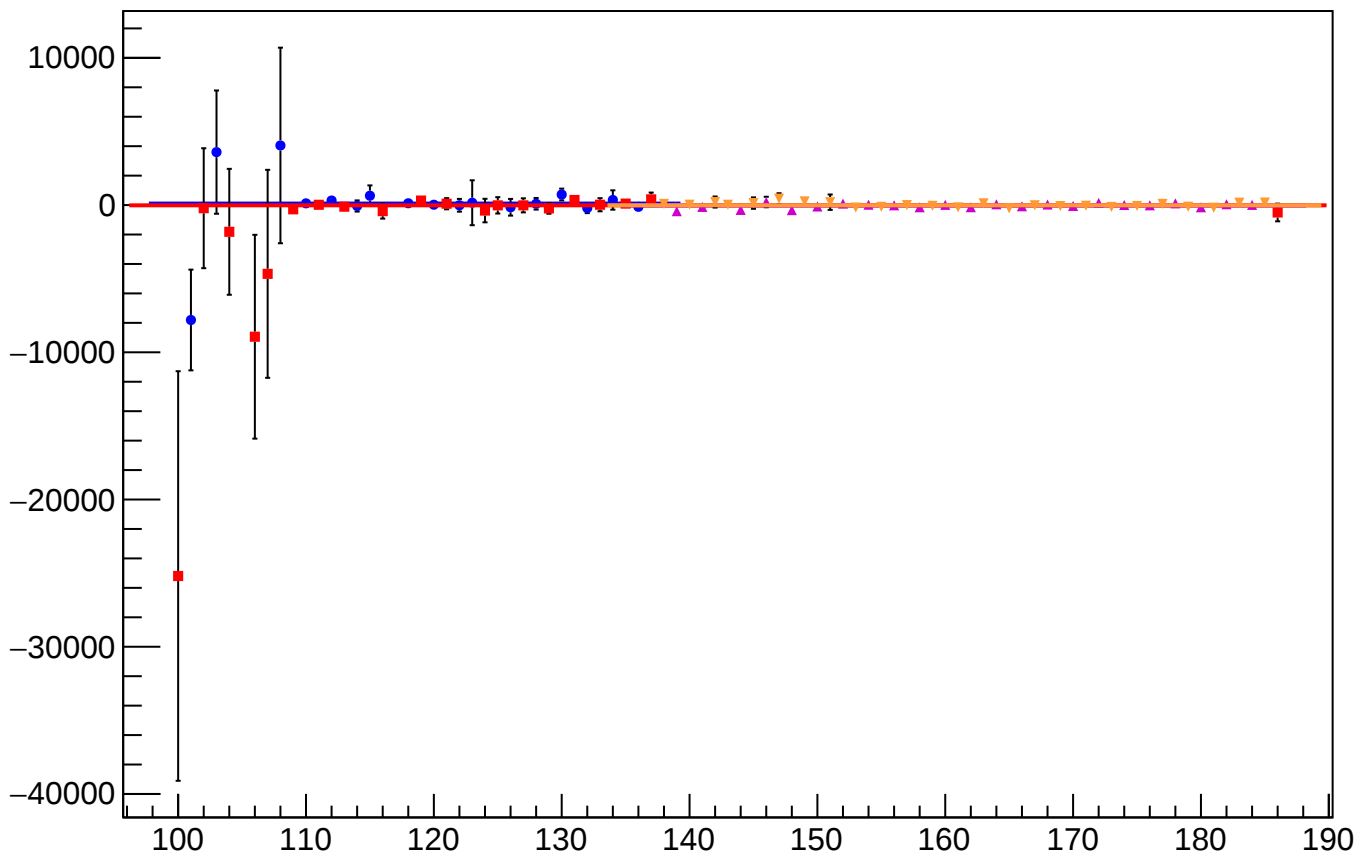
Left In: 28.797 $\pm$ 0.005 χ^2 /NDF: 128279.2/22

+ sign 28.636 $\pm$ 0.004 χ^2 /NDF: 3155540.9/41

All: 28.633 $\pm$ 0.003 χ^2 /NDF: 6776721.3/84

- sign 28.629 $\pm$ 0.004 χ^2 /NDF: 3621178.9/42

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: -13.966 $\pm$ 48.735 χ^2 /NDF: 8.1/24

Right Out: -16.951 $\pm$ 81.005 χ^2 /NDF: 12.9/19

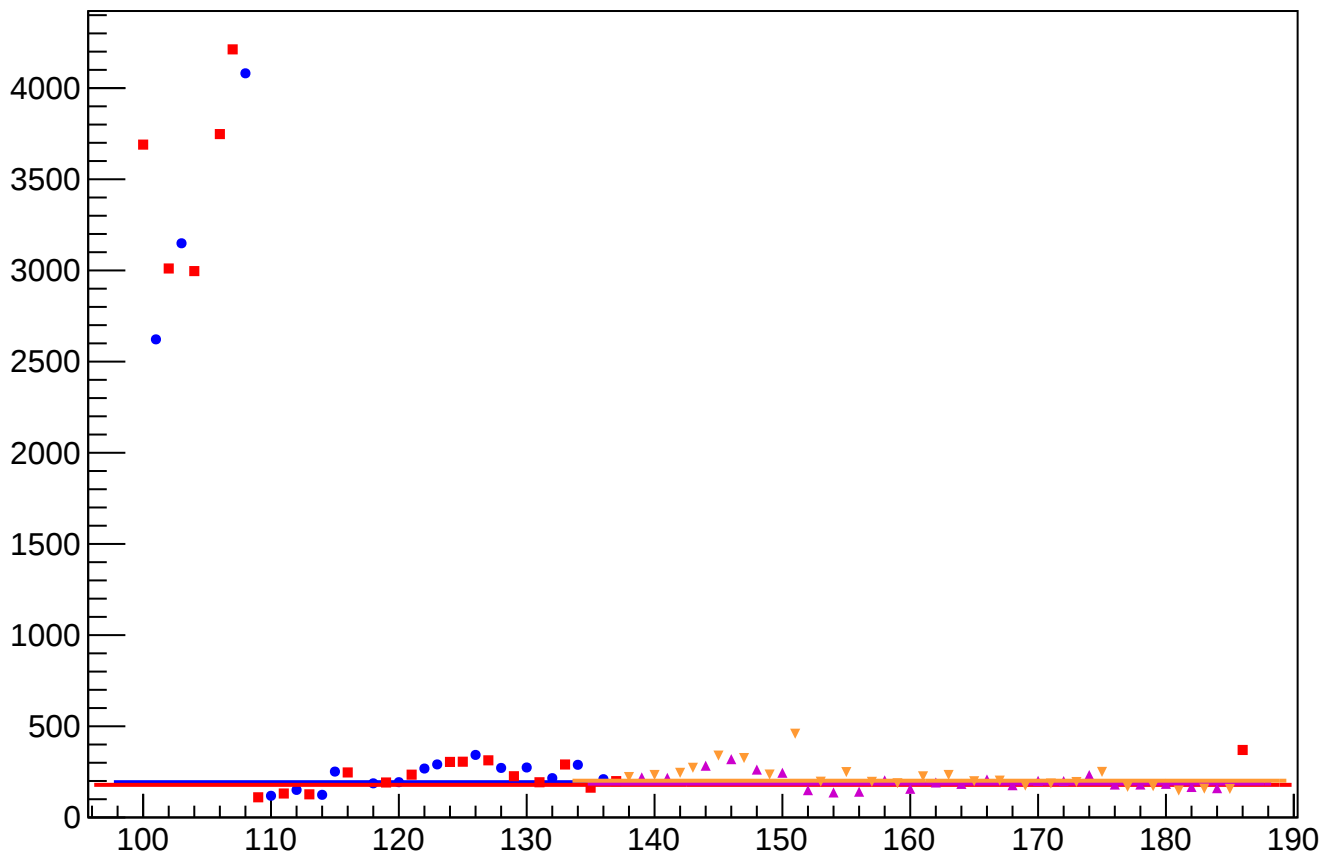
Left In: -31.477 $\pm$ 46.483 χ^2 /NDF: 7.8/22

+ sign 12.838 $\pm$ 42.711 χ^2 /NDF: 22.0/41

All: -8.694 $\pm$ 29.318 χ^2 /NDF: 43.3/84

- sign -27.879 $\pm$ 40.317 χ^2 /NDF: 20.8/42

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.420+/-0.063 χ^2/NDF : 3538238.9/16

Left Out: 201.503+/-0.034 χ^2/NDF :1854905.1/24

Right Out: 178.823+/-0.057 χ^2/NDF : 4366660.4/19

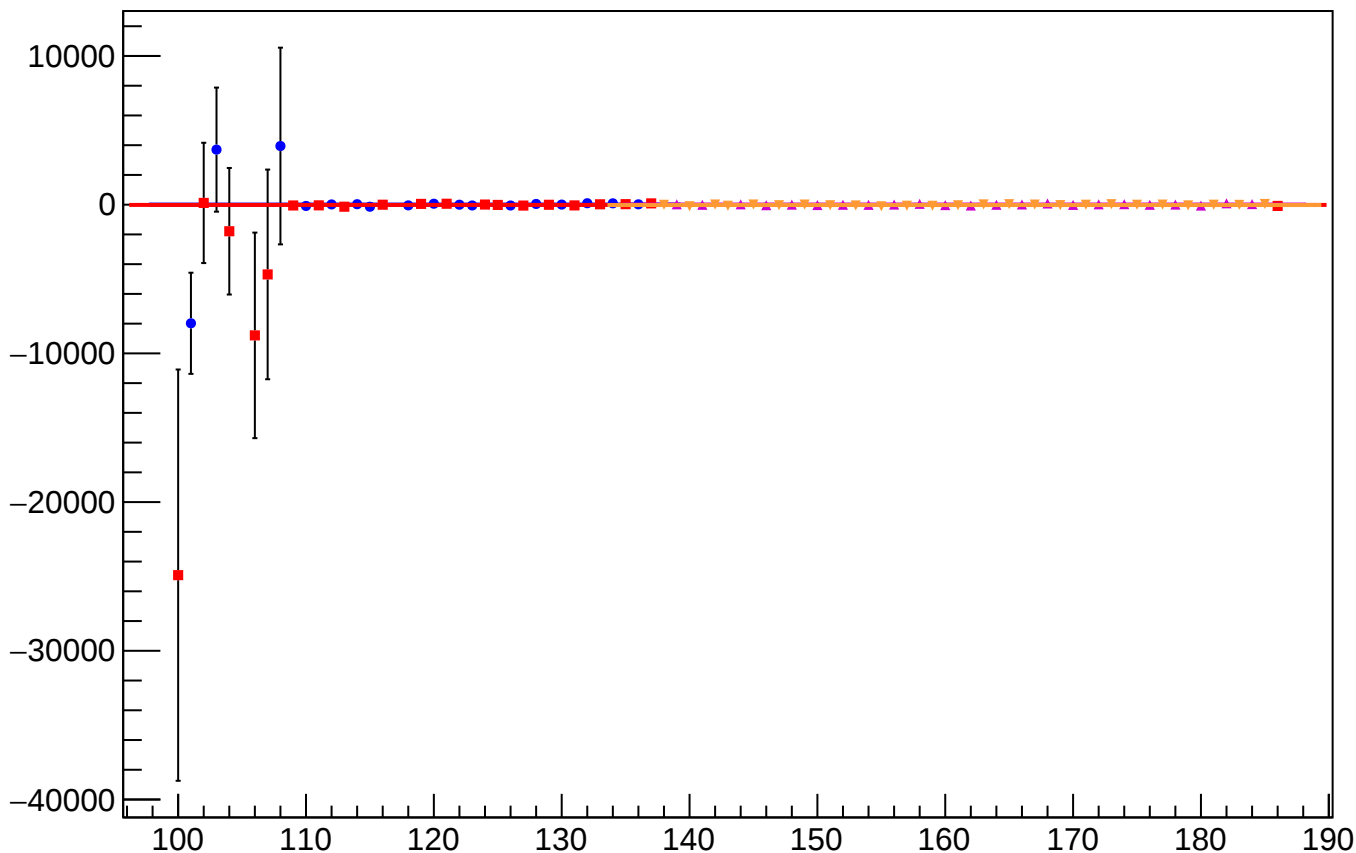
Left In: 185.878+/-0.033 χ^2/NDF :1380877.6/22

+ sign 199.628+/-0.030 χ^2/NDF : 5405905.8/41

All: 191.433+/-0.021 χ^2/NDF : 11304100.9/84

- sign 184.131+/-0.029 χ^2/NDF : 5758953.6/42

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: -24.144+/-8.076 χ^2 /NDF:24.9/24

Right Out: -15.873+/-14.548 χ^2 /NDF: 22.6/19

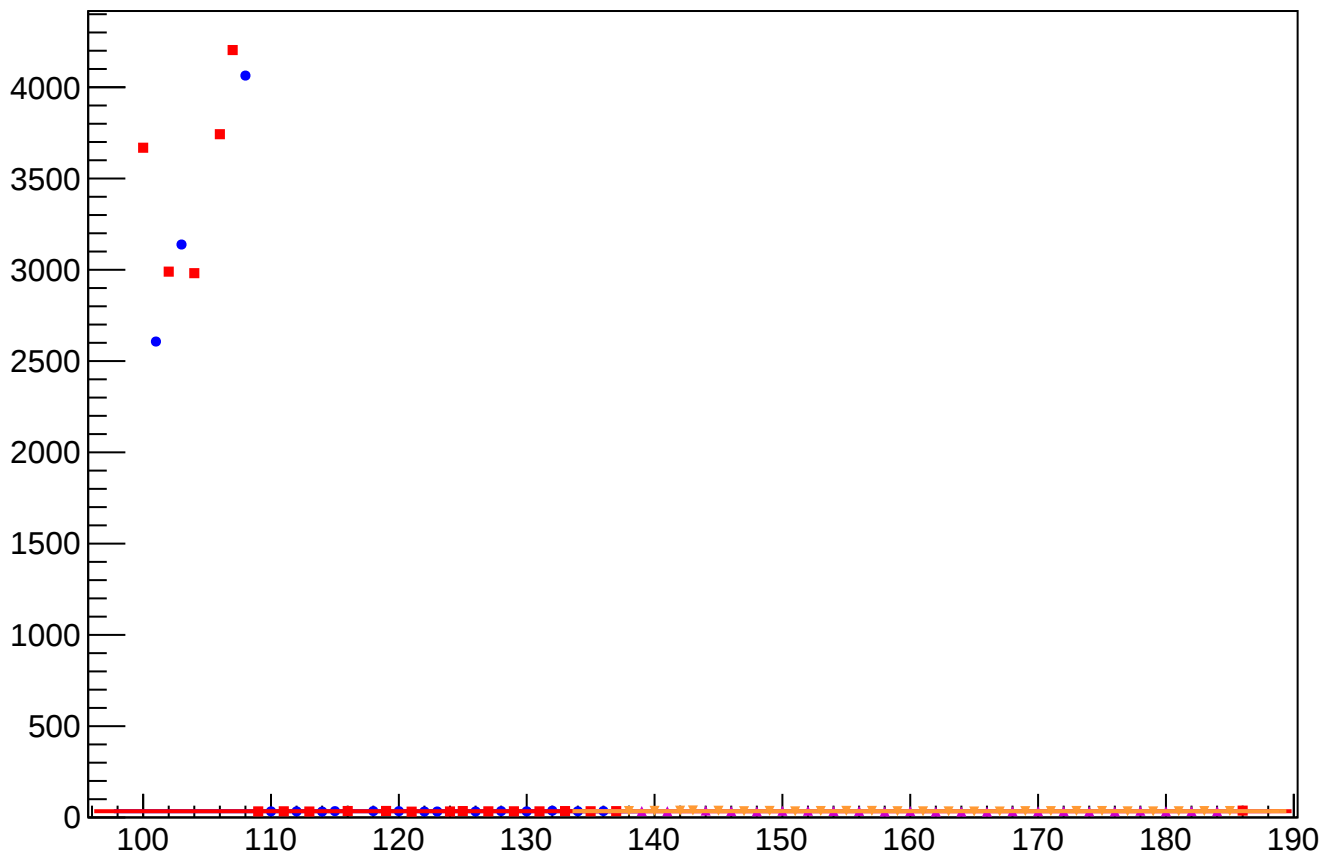
Left In: 5.924+/-8.340 χ^2 /NDF:21.0/22

+ sign -17.317+/-7.109 χ^2 /NDF: 48.2/41

All: -8.549+/-5.071 χ^2 /NDF: 96.5/84

- sign 0.532+/-7.235 χ^2 /NDF: 45.3/42

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: 34.617 $\pm$ 0.006 χ^2 /NDF: 57868.4/24

Right Out: 34.131 $\pm$ 0.010 χ^2 /NDF: 3457990.6/19

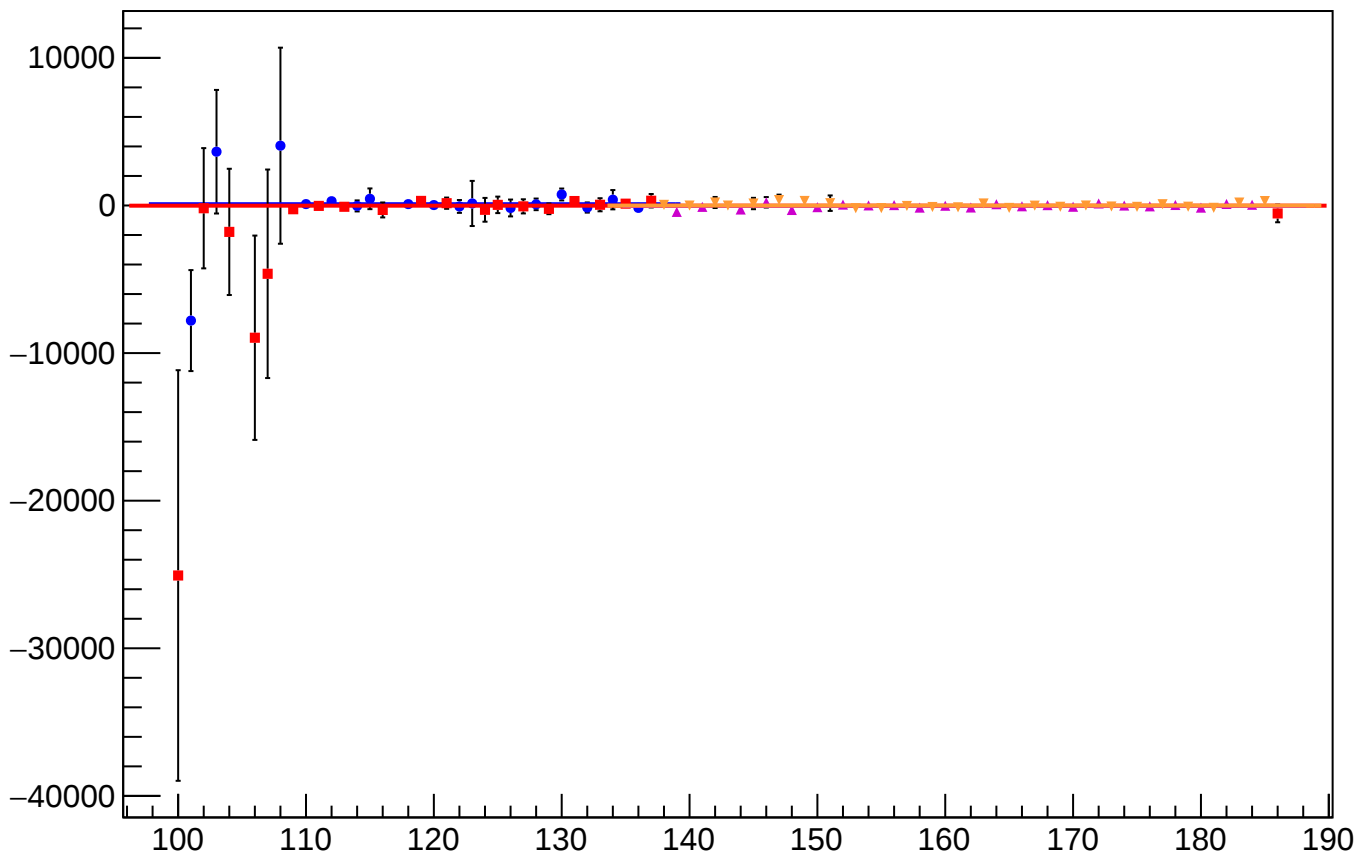
Left In: 34.682 $\pm$ 0.006 χ^2 /NDF: 59834.3/22

+ sign 34.516 $\pm$ 0.005 χ^2 /NDF: 3065387.7/41

All: 34.531 $\pm$ 0.004 χ^2 /NDF: 6585389.9/84

- sign 34.545 $\pm$ 0.005 χ^2 /NDF: 3519985.8/42

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: -7.558 $\pm$ 48.662 χ^2 /NDF: 8.8/24

Right Out: -13.443 $\pm$ 80.496 χ^2 /NDF: 11.9/19

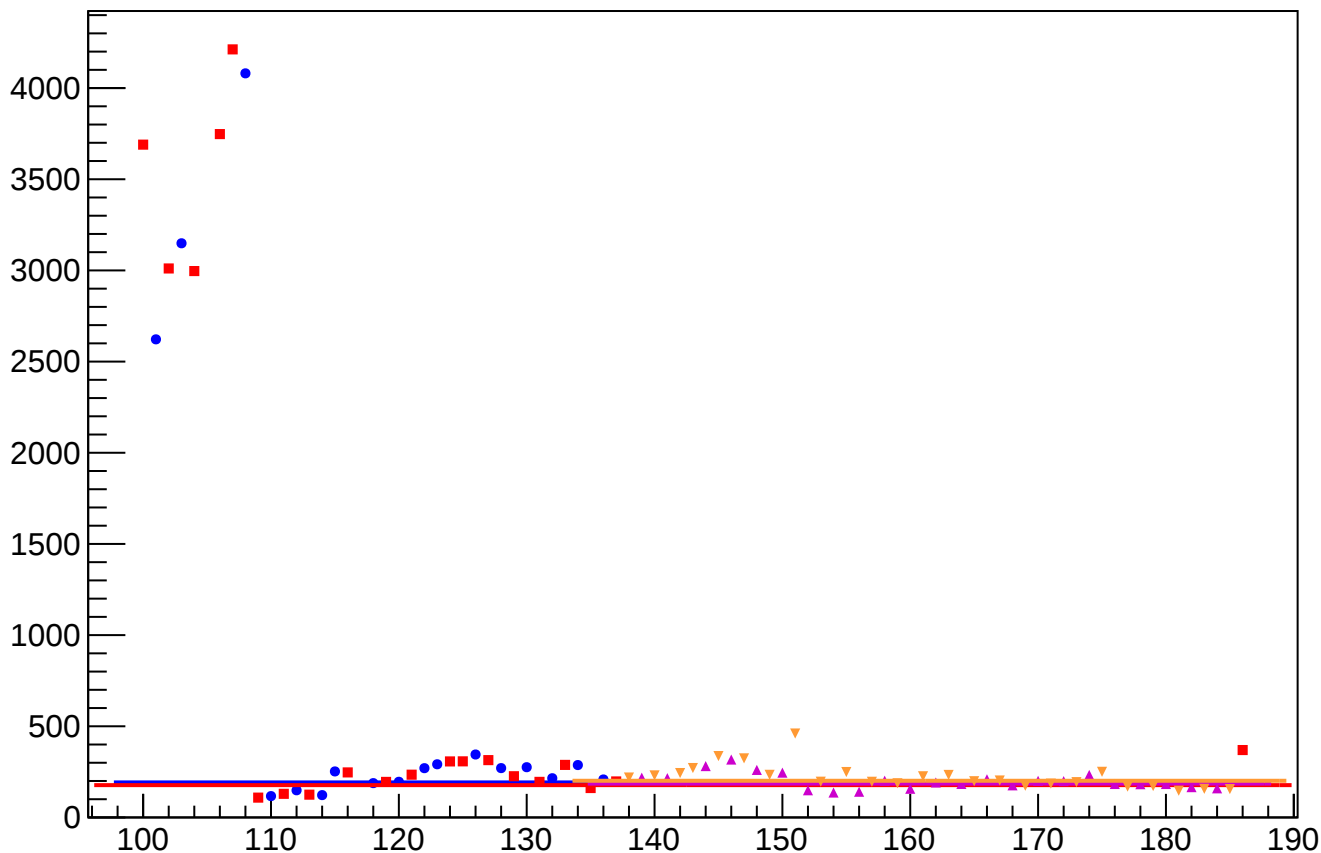
Left In: -34.977 $\pm$ 46.421 χ^2 /NDF: 7.1/22

+ sign 14.425 $\pm$ 42.612 χ^2 /NDF: 22.1/41

All: -8.863 $\pm$ 29.246 χ^2 /NDF: 41.7/84

- sign -29.603 $\pm$ 40.213 χ^2 /NDF: 19.1/42

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: 201.198 $\pm$ 0.034 χ^2 /NDF: 1848437.4/24

Right Out: 177.256 $\pm$ 0.057 χ^2 /NDF: 4415157.9/19

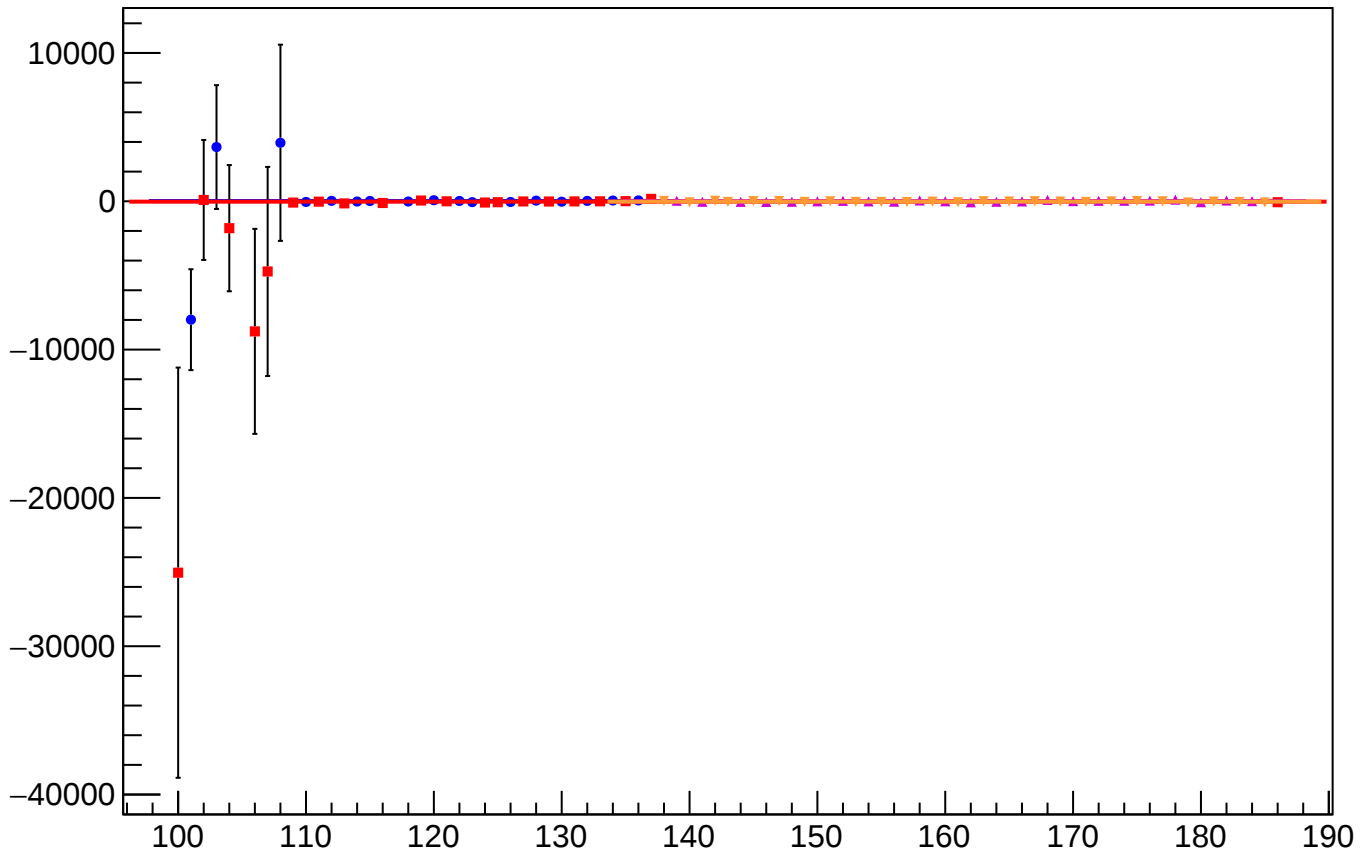
Left In: 185.627 $\pm$ 0.033 χ^2 /NDF: 1371411.2/22

+ sign 199.081 $\pm$ 0.030 χ^2 /NDF: 5439987.9/41

All: 190.860 $\pm$ 0.021 χ^2 /NDF: 11383534.0/84

- sign 183.538 $\pm$ 0.028 χ^2 /NDF: 5802803.1/42

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: -23.320+/-7.352 χ^2/NDF : 18.3/24

Right Out: -25.143+/-13.303 χ^2/NDF : 27.8/19

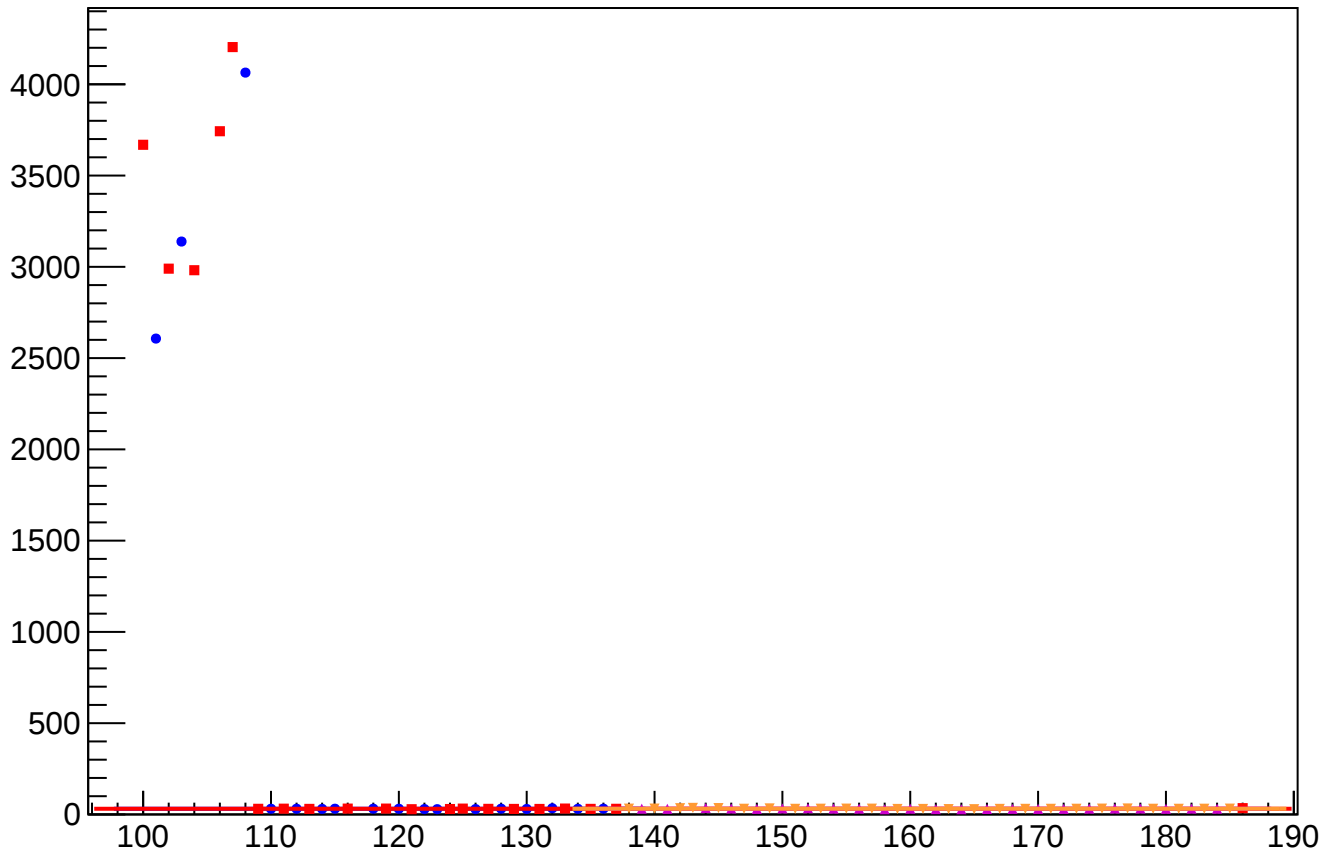
Left In: 6.386+/-7.577 χ^2/NDF : 38.7/22

+ sign -14.889+/-6.474 χ^2/NDF : 39.0/41

All: -8.227+/-4.616 χ^2/NDF : 111.9/84

- sign -1.337+/-6.584 χ^2/NDF : 70.8/42

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: 31.488 $\pm$ 0.005 χ^2 /NDF: 81938.2/24

Right Out: 31.188 $\pm$ 0.009 χ^2 /NDF: 3466638.6/19

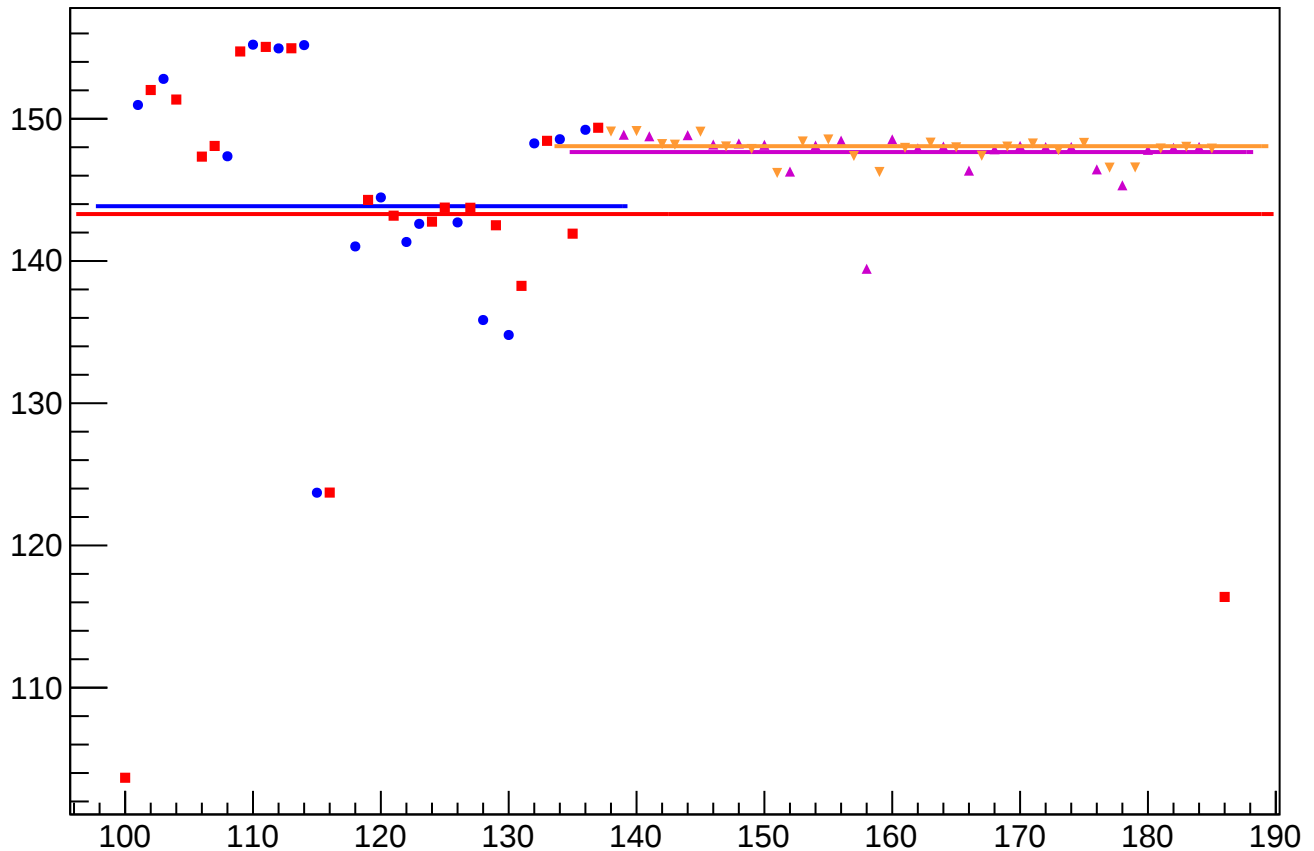
Left In: 31.475 $\pm$ 0.005 χ^2 /NDF: 87797.5/22

+ sign 31.414 $\pm$ 0.005 χ^2 /NDF: 3097014.2/41

All: 31.410 $\pm$ 0.003 χ^2 /NDF: 6652158.8/84

- sign 31.405 $\pm$ 0.005 χ^2 /NDF: 3555142.6/42

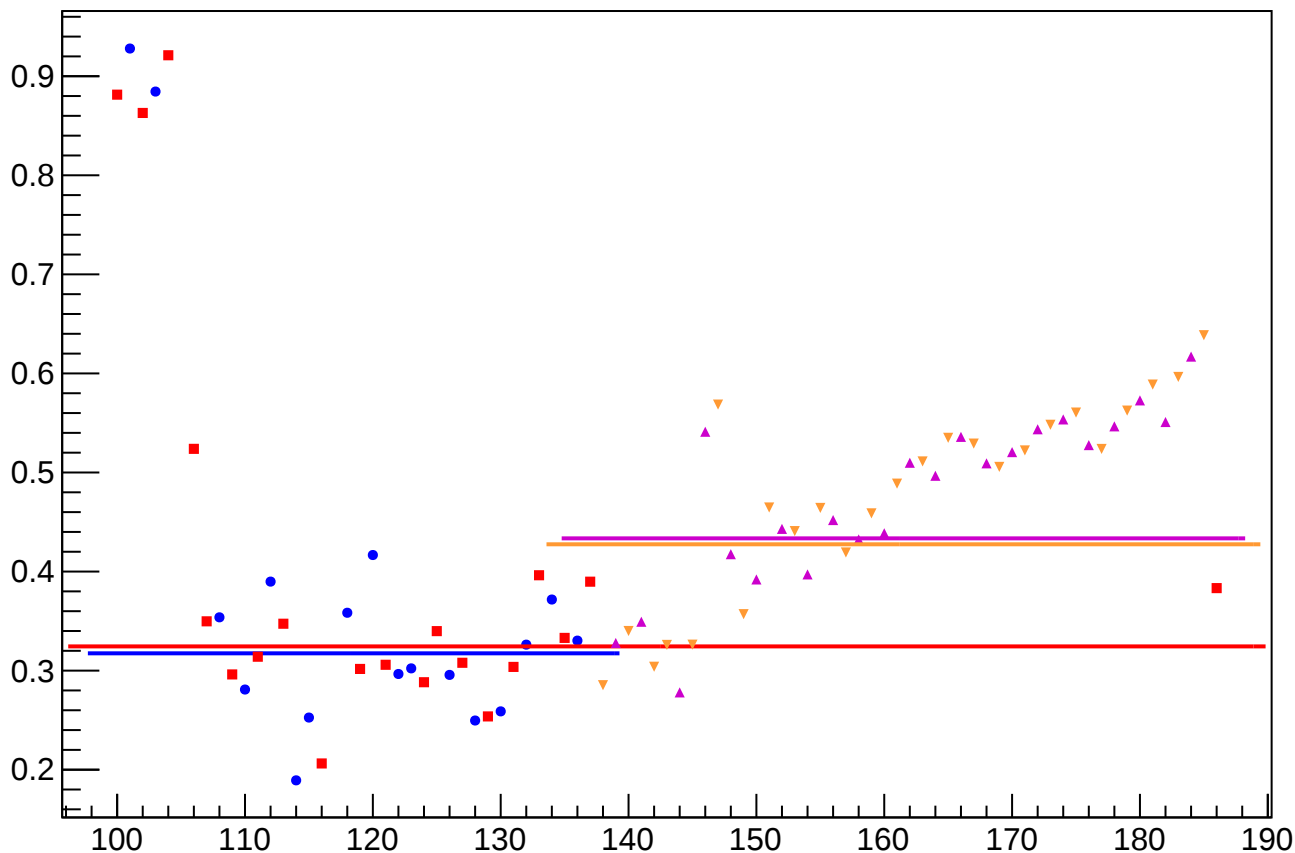
yield_bcm_an_ds_mean vs Slug



Right In: 143.854 $\pm$ 0.000 χ^2 /NDF: 3448306444.5/16
 Left Out: 148.074 $\pm$ 0.000 χ^2 /NDF: 65673678.9/24
 Right Out: 143.301 $\pm$ 0.000 χ^2 /NDF: 6071566594.1/19
 Left In: 147.660 $\pm$ 0.000 χ^2 /NDF: 343892338.9/22

+ sign 146.497 $\pm$ 0.000 χ^2 /NDF: 4130236500.2/41
 All: 146.195 $\pm$ 0.000 χ^2 /NDF: 11236934670.
 - sign 145.886 $\pm$ 0.000 χ^2 /NDF: 7079440641.4/42

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:1892802.8/24

Right Out: 0.324 $\pm$ 0.000 χ^2 /NDF: 1233247.1/19

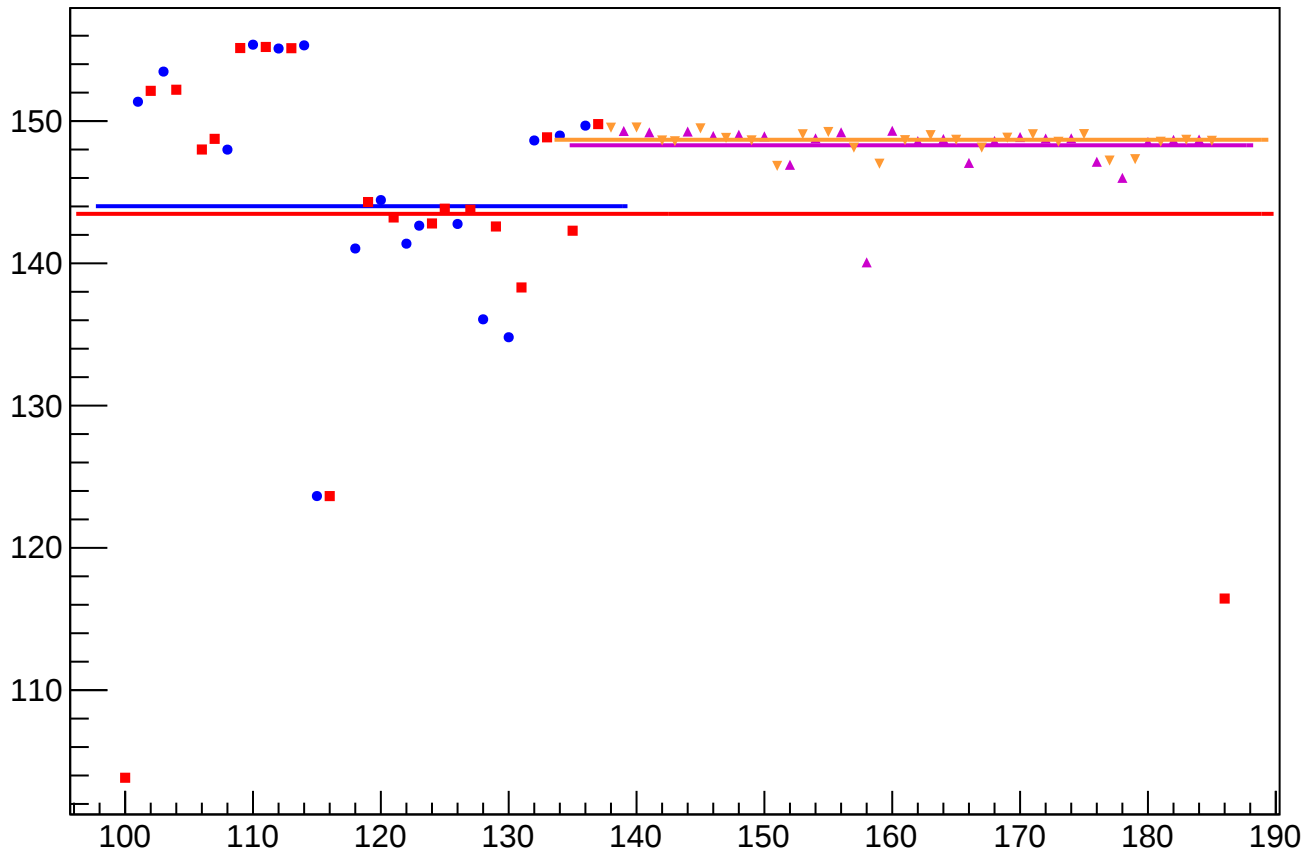
Left In: 0.434 $\pm$ 0.000 χ^2 /NDF:1479367.0/22

+ sign 0.386 $\pm$ 0.000 χ^2 /NDF: 4004355.6/41

All: 0.388 $\pm$ 0.000 χ^2 /NDF: 7549102.8/84

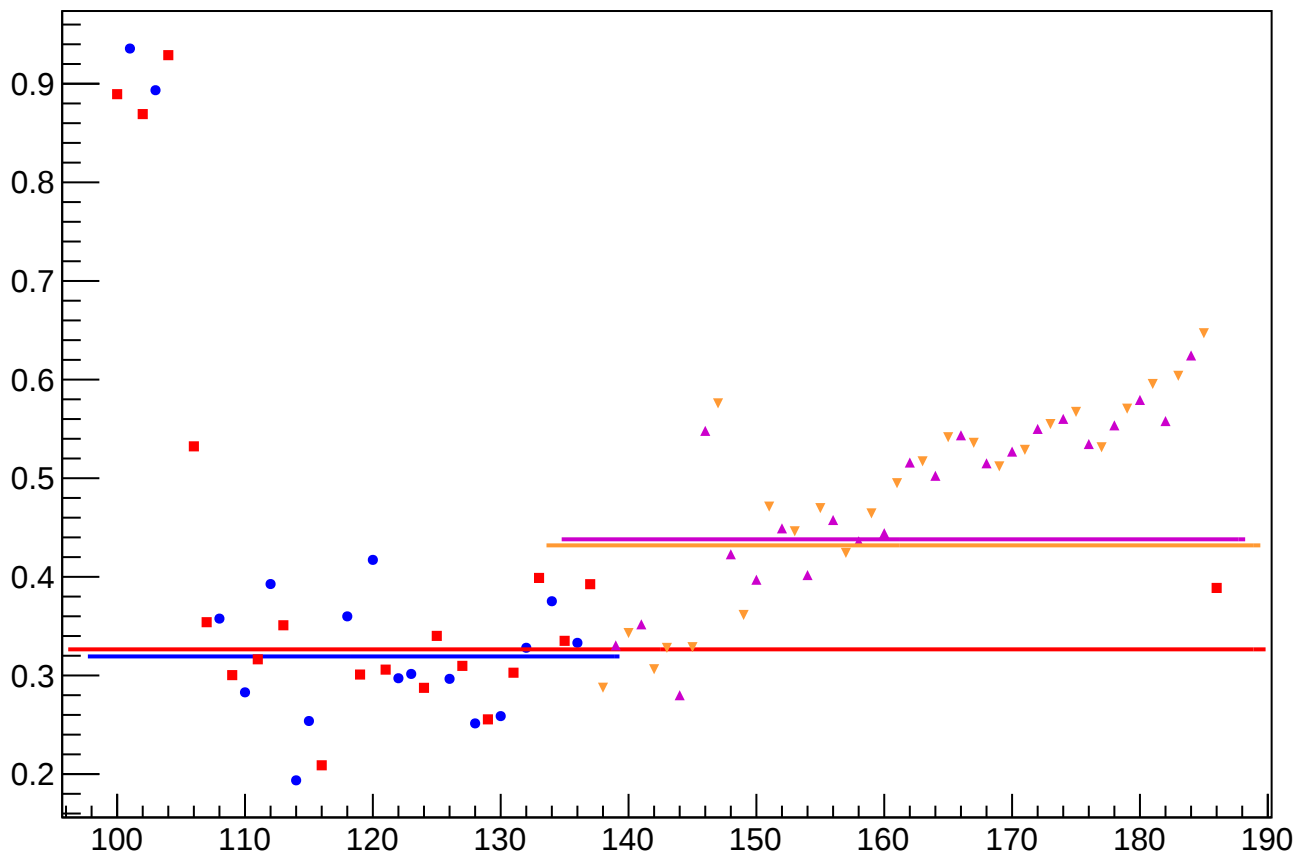
- sign 0.389 $\pm$ 0.000 χ^2 /NDF: 3543651.5/42

yield_bcm_an_ds3_mean vs Slug



Right In: 144.016 $\pm$ 0.000	χ^2 /NDF: 3492221319.5/16	+ sign 146.931 $\pm$ 0.000	χ^2 /NDF: 4288079192.9/41
Left Out: 148.687 $\pm$ 0.000	χ^2 /NDF: 52285197.5/24	All: 146.632 $\pm$ 0.000	χ^2 /NDF: 11503294500.0
Right Out: 143.479 $\pm$ 0.000	χ^2 /NDF: 6058269547.2/19	- sign 146.326 $\pm$ 0.000	χ^2 /NDF: 7188975590.4/42
Left In: 148.298 $\pm$ 0.000	χ^2 /NDF: 332527463.6/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.319 $\pm$ 0.000 χ^2 /NDF: 1274809.7/16

Left Out: 0.432 $\pm$ 0.000 χ^2 /NDF:1924979.0/24

Right Out: 0.326 $\pm$ 0.000 χ^2 /NDF: 1237167.2/19

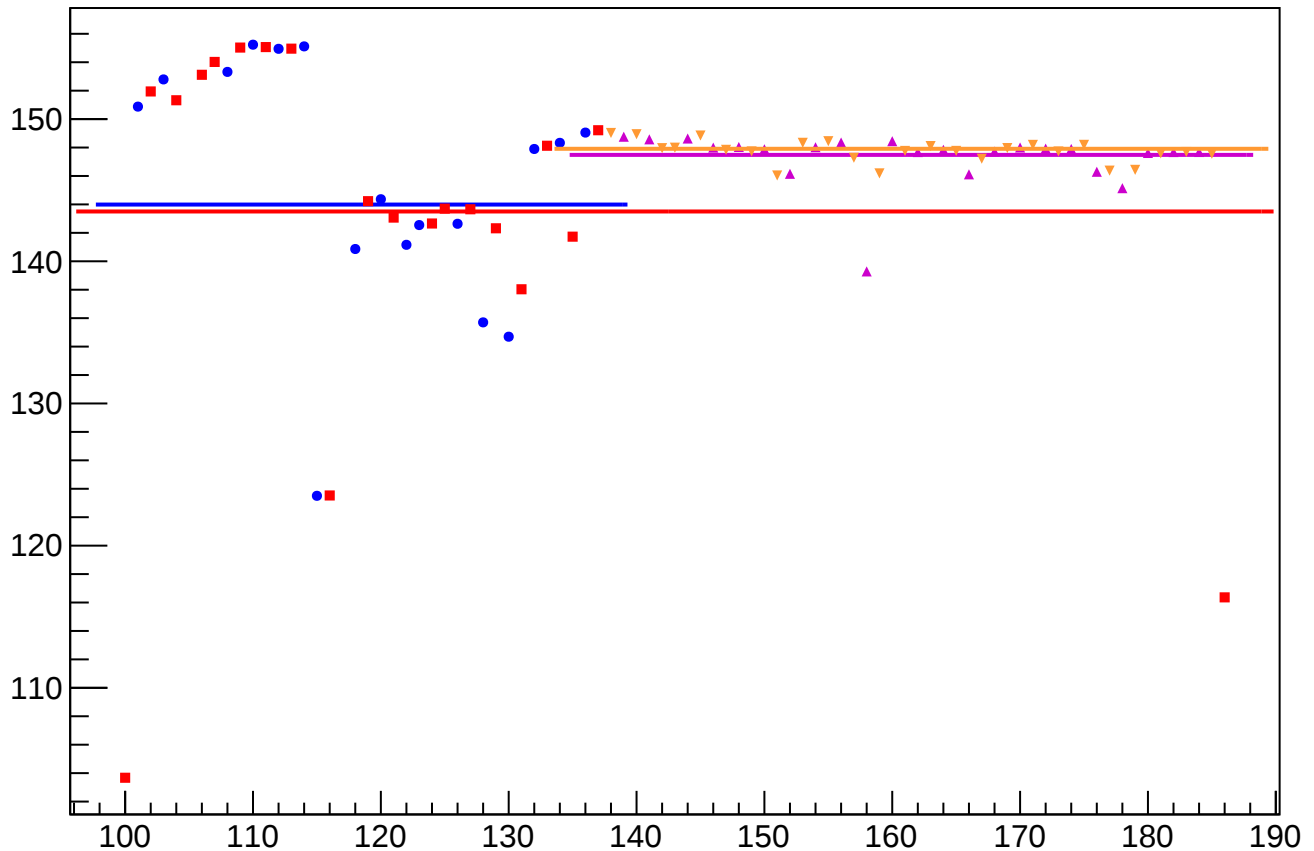
Left In: 0.438 $\pm$ 0.000 χ^2 /NDF:1504635.6/22

+ sign 0.390 $\pm$ 0.000 χ^2 /NDF: 4064335.4/41

All: 0.391 $\pm$ 0.000 χ^2 /NDF: 7663117.3/84

- sign 0.392 $\pm$ 0.000 χ^2 /NDF: 3597623.5/42

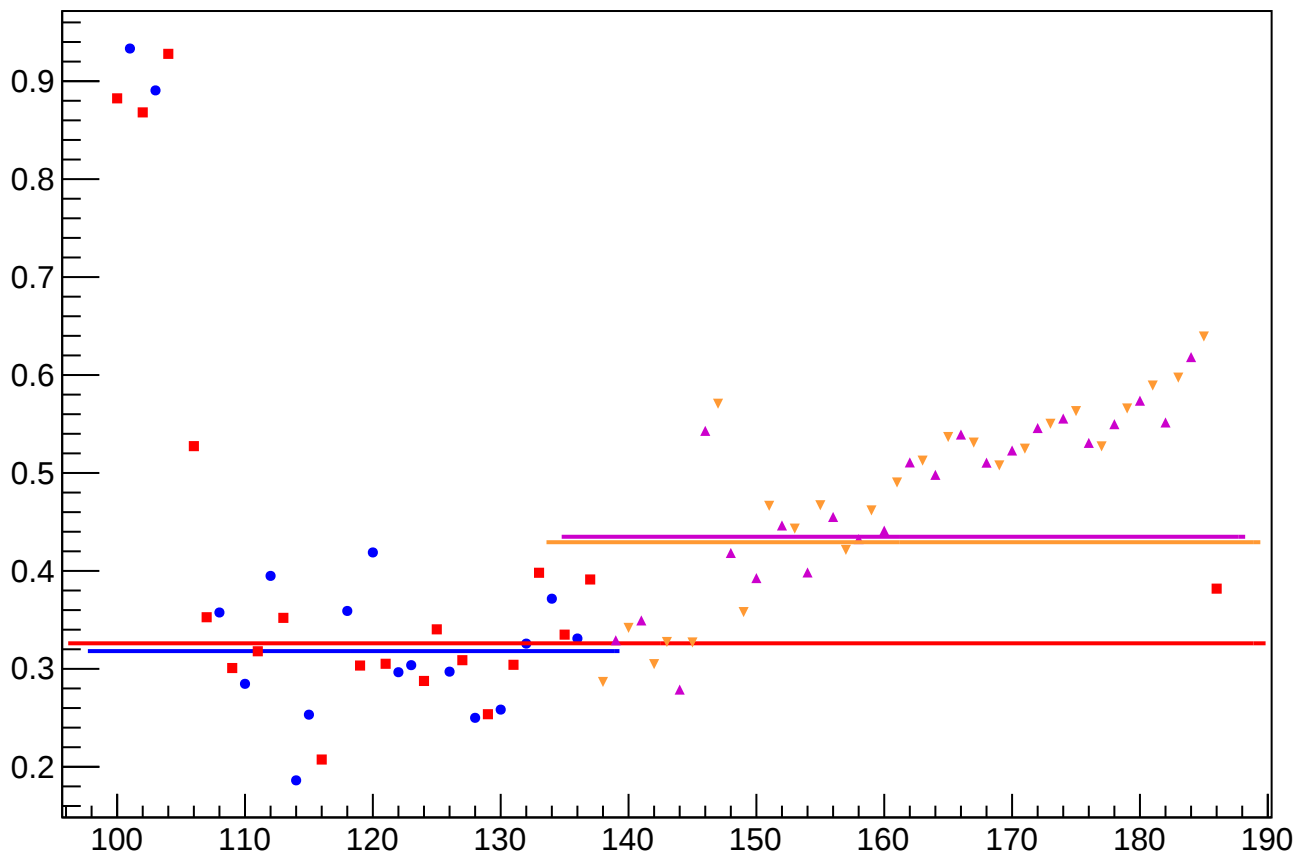
yield_bcm_an_us_mean vs Slug



Right In: 143.990 ± 0.000 χ^2/NDF : 3661758828.8/16
 Left Out: 147.912 ± 0.000 χ^2/NDF : 64463426.1/24
 Right Out: 143.503 ± 0.000 χ^2/NDF : 6407120582.8/19
 Left In: 147.483 ± 0.000 χ^2/NDF : 342674720.4/22

+ sign 146.444 ± 0.000 χ^2/NDF : 4254972465.5/41
 All: 146.159 ± 0.000 χ^2/NDF : 11577823108.
 - sign 145.867 ± 0.000 χ^2/NDF : 7298668787.6/42

yield_bcm_an_us_rms vs Slug



Right In: 0.318 ± 0.000 χ^2/NDF : 1287972.7/16

Left Out: 0.429 ± 0.000 χ^2/NDF : 1891709.3/24

Right Out: 0.326 ± 0.000 χ^2/NDF : 1236452.5/19

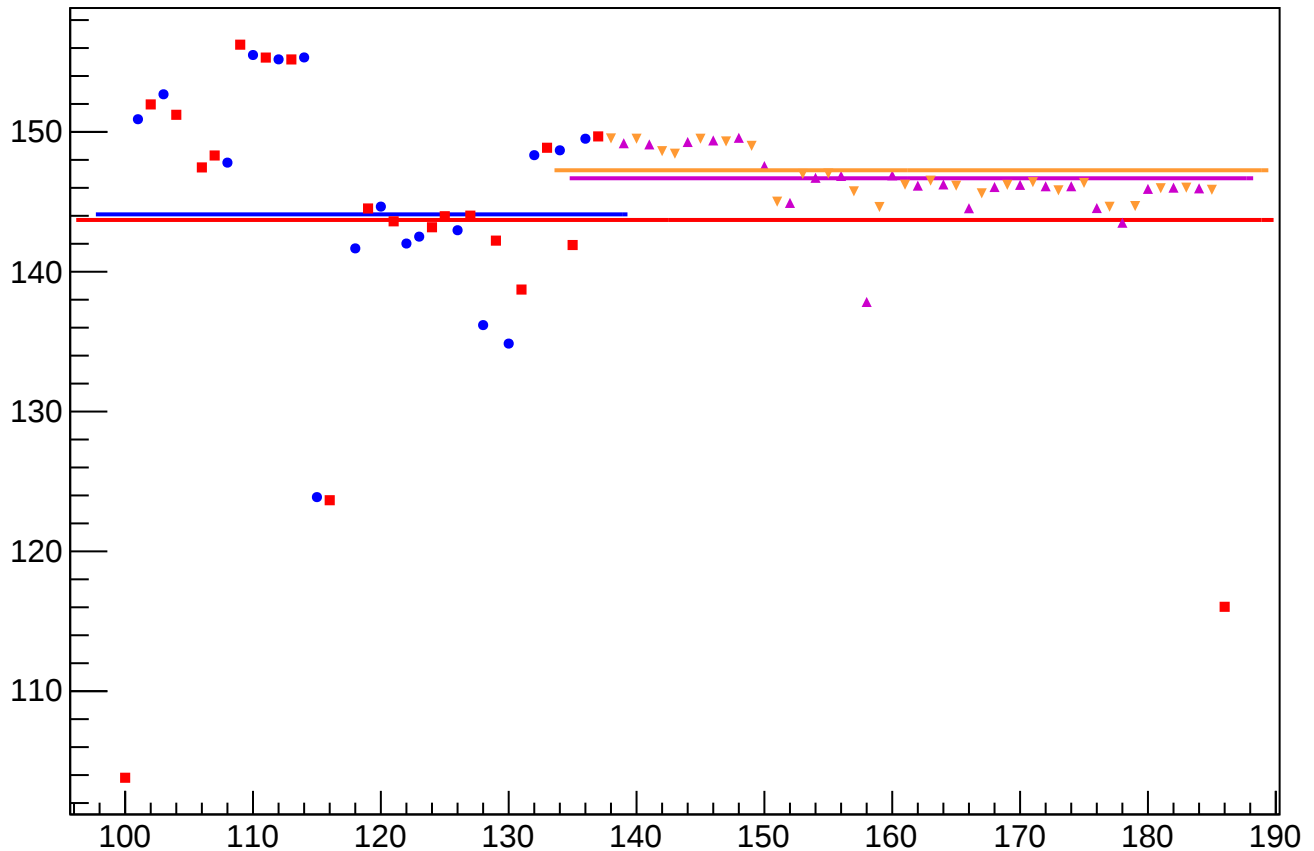
Left In: 0.435 ± 0.000 χ^2/NDF : 1485915.1/22

+ sign 0.388 ± 0.000 χ^2/NDF : 4029091.9/41

All: 0.389 ± 0.000 χ^2/NDF : 7572742.7/84

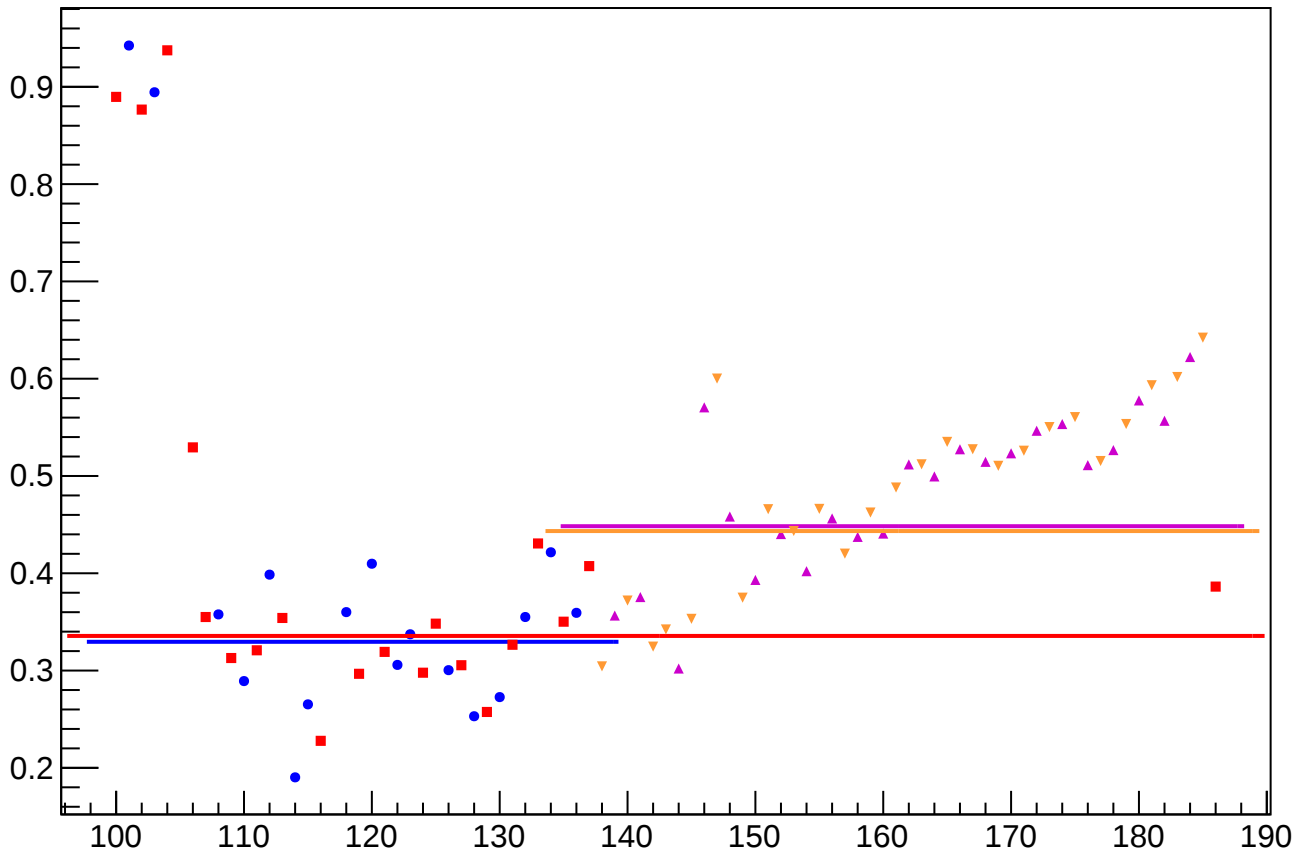
- sign 0.391 ± 0.000 χ^2/NDF : 3542347.3/42

yield_bcm_dg_us_mean vs Slug



Right In: 144.104 $\pm$ 0.000	χ^2 /NDF: 3160280337.5/16	+ sign 146.090 $\pm$ 0.000	χ^2 /NDF: 3742114702.1/41
Left Out: 147.257 $\pm$ 0.000	χ^2 /NDF: 261906278.3/24	All: 145.787 $\pm$ 0.000	χ^2 /NDF: 10433964483.
Right Out: 143.703 $\pm$ 0.000	χ^2 /NDF: 5819996538.2/19	- sign 145.479 $\pm$ 0.000	χ^2 /NDF: 6666276072.9/42
Left In: 146.685 $\pm$ 0.000	χ^2 /NDF: 554922388.0/22		

yield_bcm_dg_us_rms vs Slug



Right In: 0.330 ± 0.000 χ^2/NDF : 1270354.0/16

Left Out: 0.443 ± 0.000 χ^2/NDF : 1480479.3/24

Right Out: 0.336 ± 0.000 χ^2/NDF : 1192203.5/19

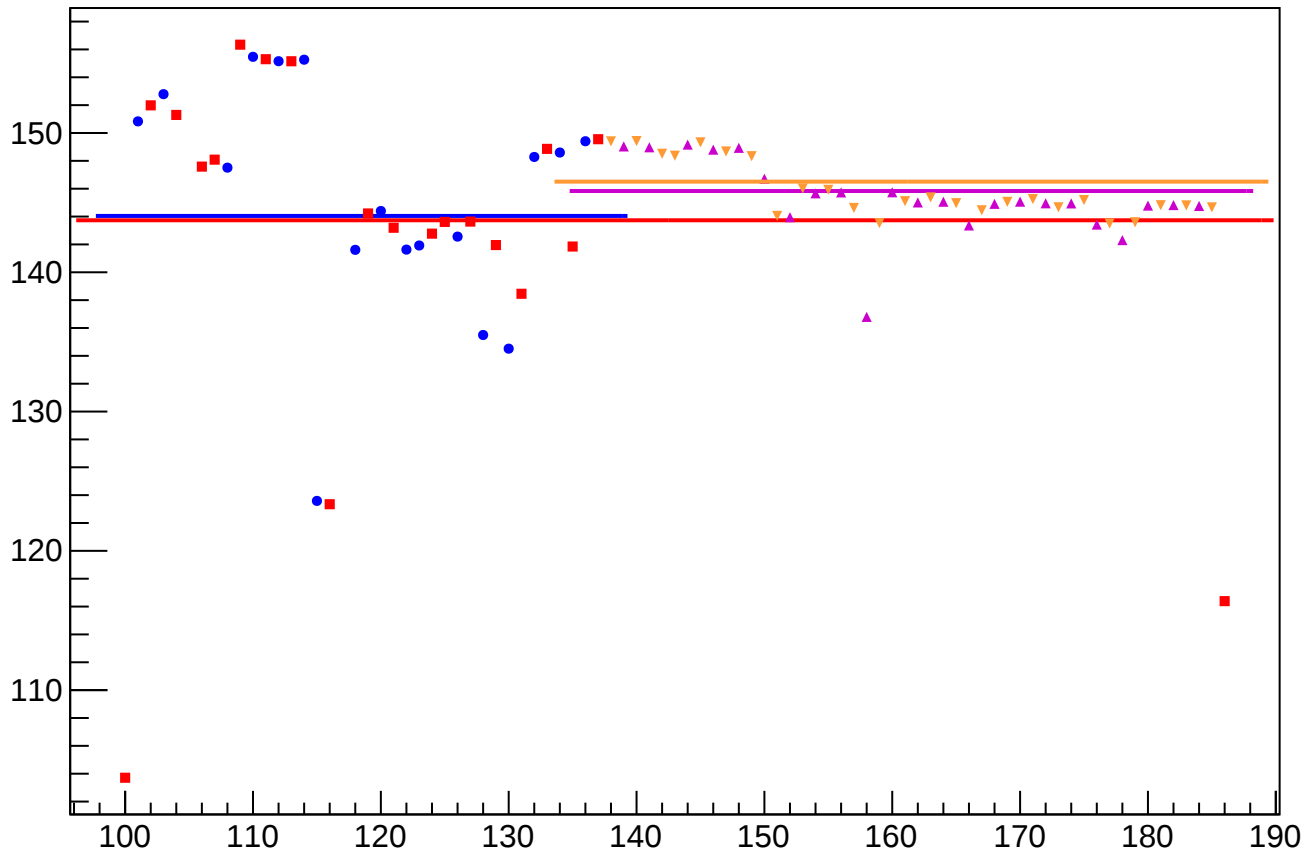
Left In: 0.448 ± 0.000 χ^2/NDF : 1120261.8/22

+ sign 0.401 ± 0.000 χ^2/NDF : 3584390.1/41

All: 0.402 ± 0.000 χ^2/NDF : 6731083.7/84

- sign 0.403 ± 0.000 χ^2/NDF : 3146376.6/42

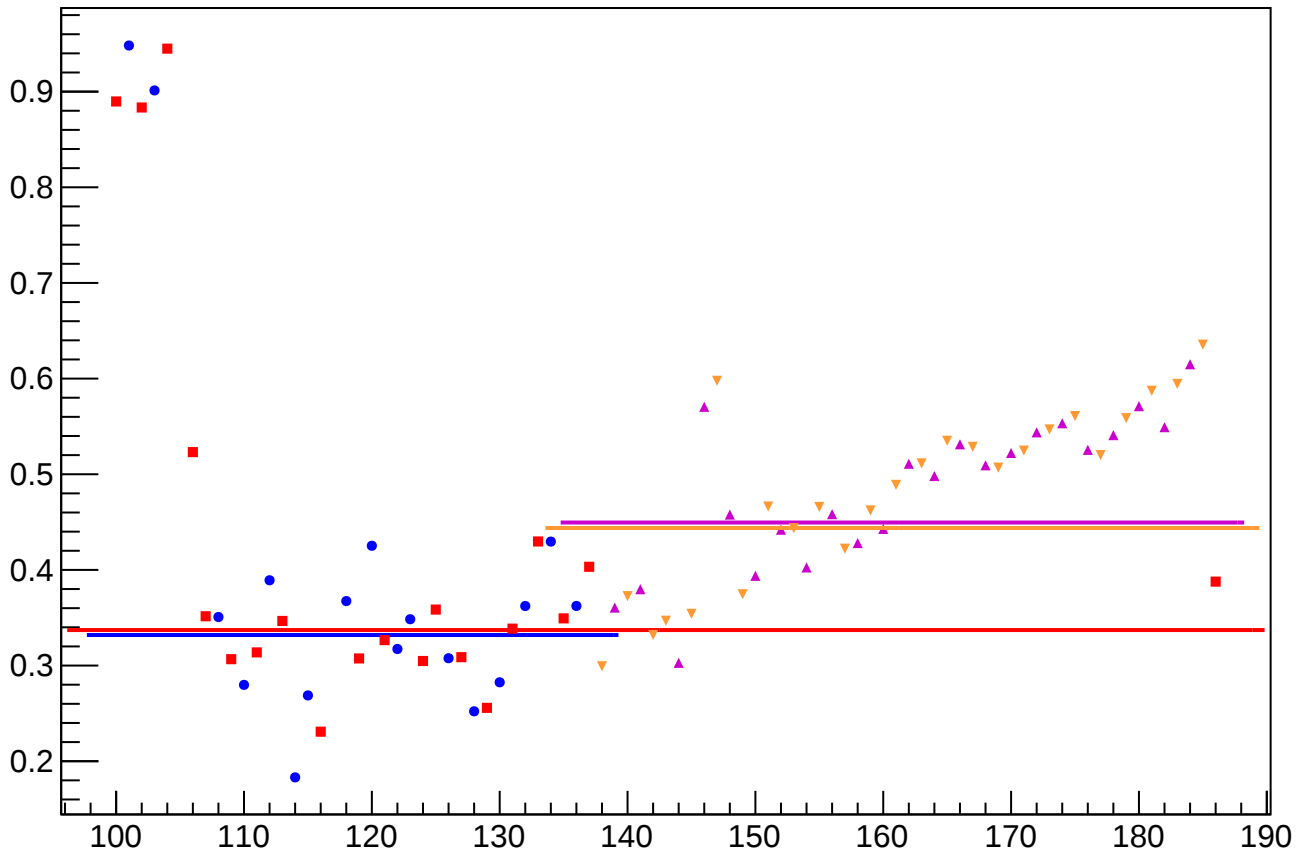
yield_bcm_dg_ds_mean vs Slug



Right In: 144.046 $\pm$ 0.000 χ^2/NDF : 3279467915.9/16
 Left Out: 146.508 $\pm$ 0.000 χ^2/NDF : 401248837.9/24
 Right Out: 143.733 $\pm$ 0.000 χ^2/NDF : 5835517282.7/19
 Left In: 145.834 $\pm$ 0.000 χ^2/NDF : 690172810.0/22

+ sign 145.606 $\pm$ 0.000 χ^2/NDF : 3873442047.3/41
 All: 145.299 $\pm$ 0.000 χ^2/NDF : 10568586795.
 - sign 144.988 $\pm$ 0.000 χ^2/NDF : 6669149781.6/42

yield_bcm_dg_ds_rms vs Slug



Right In: 0.332 ± 0.000 χ^2/NDF : 1287882.2/16

Left Out: 0.444 ± 0.000 χ^2/NDF : 1460383.7/24

Right Out: 0.337 ± 0.000 χ^2/NDF : 1181516.7/19

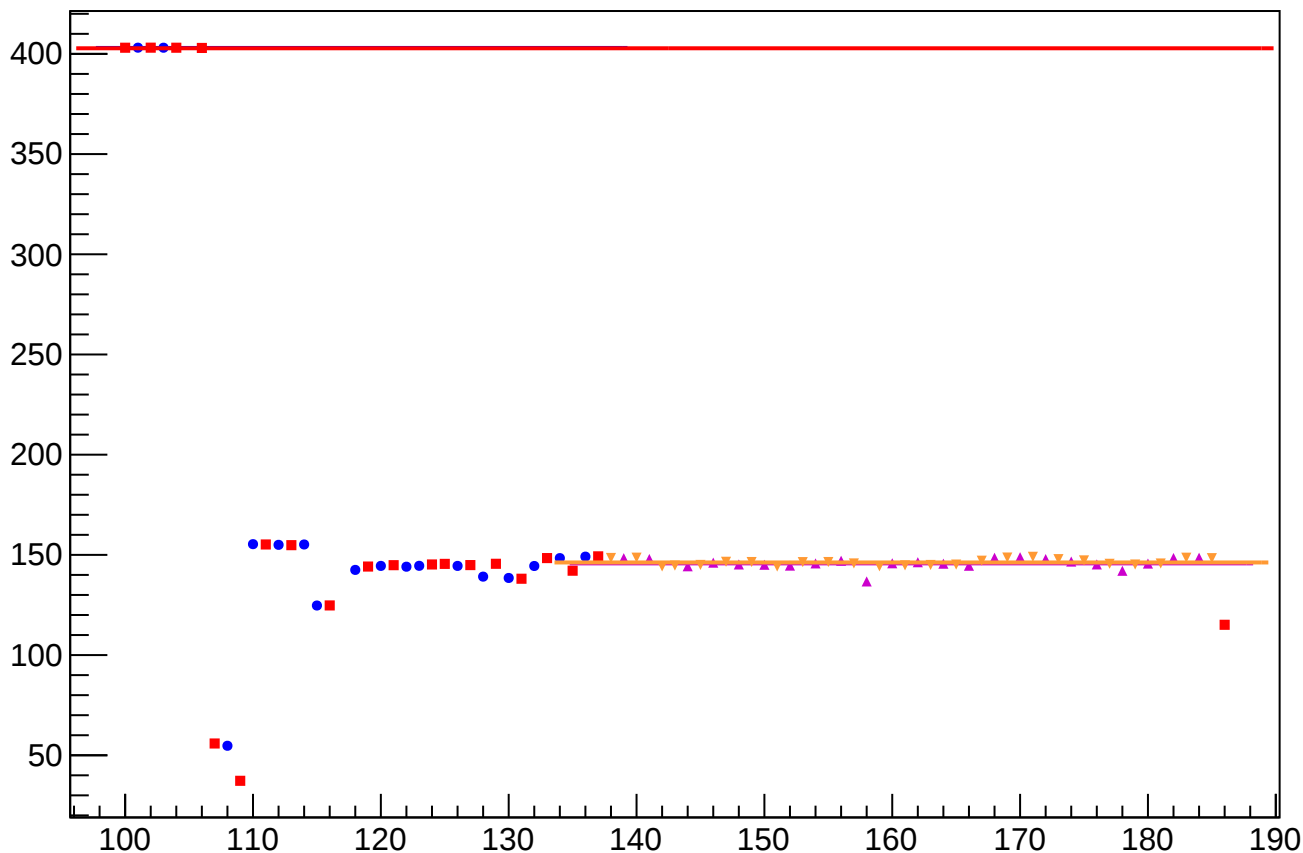
Left In: 0.450 ± 0.000 χ^2/NDF : 1092776.5/22

+ sign 0.403 ± 0.000 χ^2/NDF : 3543658.0/41

All: 0.404 ± 0.000 χ^2/NDF : 6639450.0/84

- sign 0.404 ± 0.000 χ^2/NDF : 3095516.9/42

yield_cav4bQ_mean vs Slug



Right In: 402.957 $\pm$ 0.000 χ^2 /NDF: 1097981079296.6/16

Left Out: 146.216 $\pm$ 0.000 χ^2 /NDF: 86042286.3/24

Right Out: 402.796 $\pm$ 0.000 χ^2 /NDF: 3129460217421.3/19

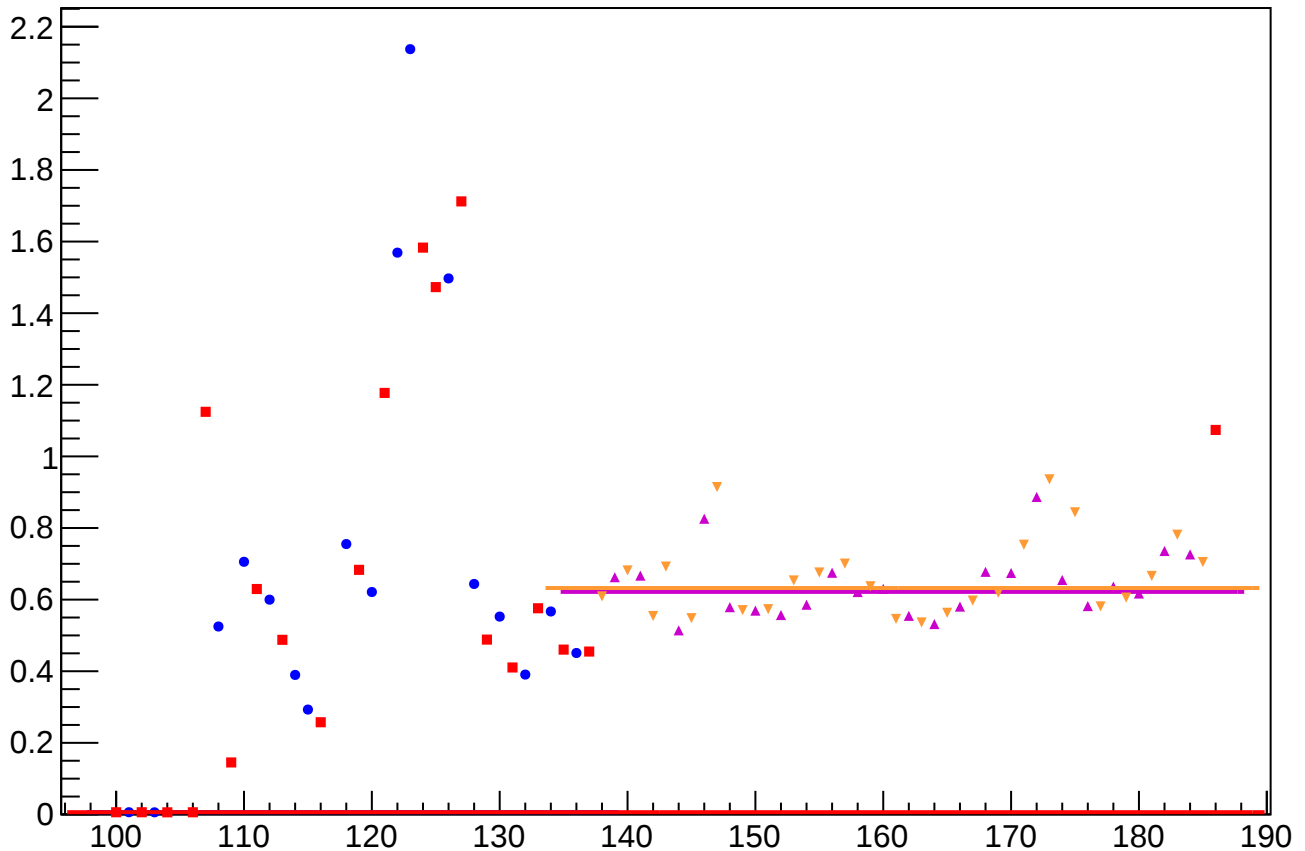
Left In: 145.755 $\pm$ 0.000 χ^2 /NDF: 206171532.0/22

+ sign 402.662 $\pm$ 0.000 χ^2 /NDF: 3459272163371.9

All: 402.597 $\pm$ 0.000 χ^2 /NDF: 891863668814

- sign 402.539 $\pm$ 0.000 χ^2 /NDF: 5459114742968.5

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9127939.0/16

Left Out: 0.632+/-0.000 χ^2/NDF : 613604.5/24

Right Out: 0.006+/-0.000 χ^2/NDF : 9811287.7/19

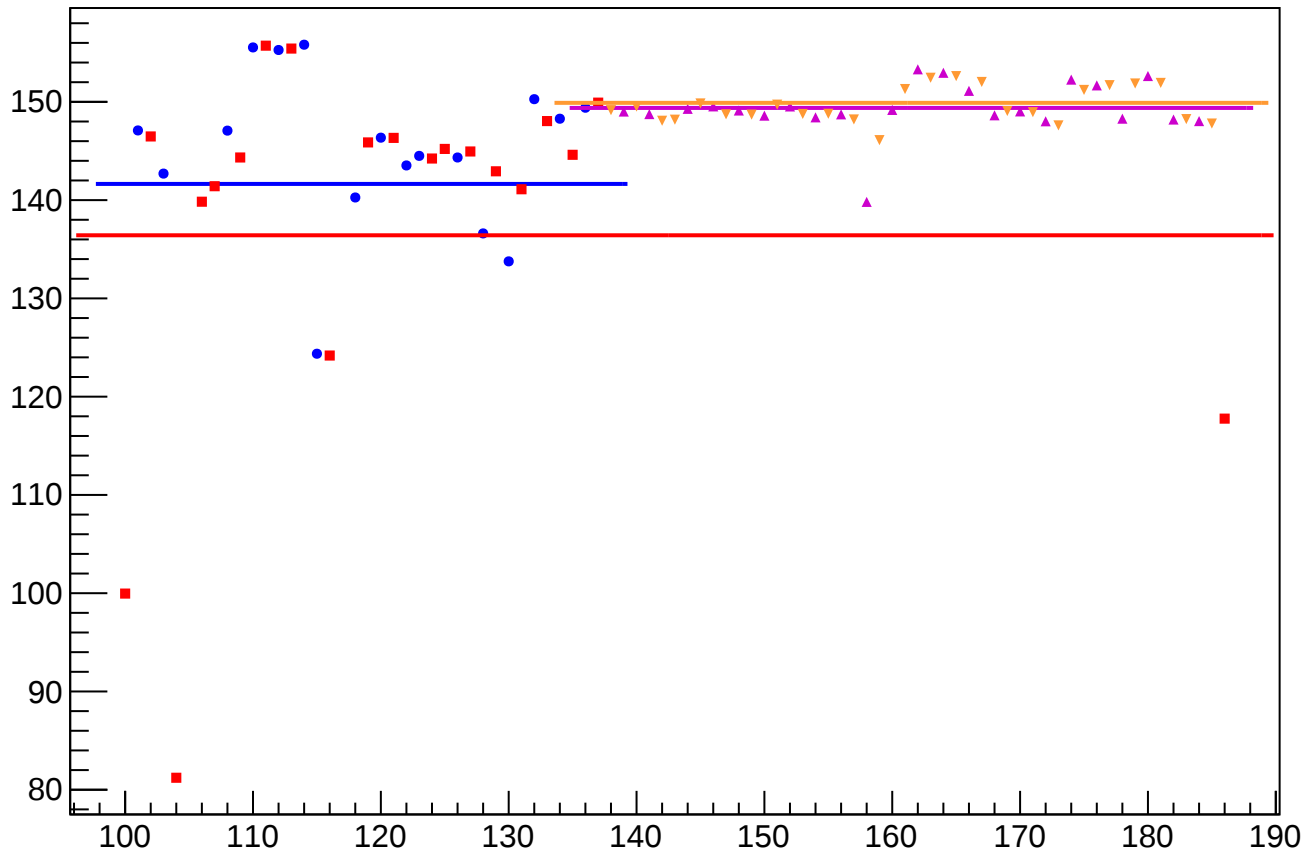
Left In: 0.622+/-0.000 χ^2/NDF : 399965.3/22

+ sign 0.007+/-0.000 χ^2/NDF : 37822879.4/41

All: 0.007+/-0.000 χ^2/NDF : 74728084.6/84

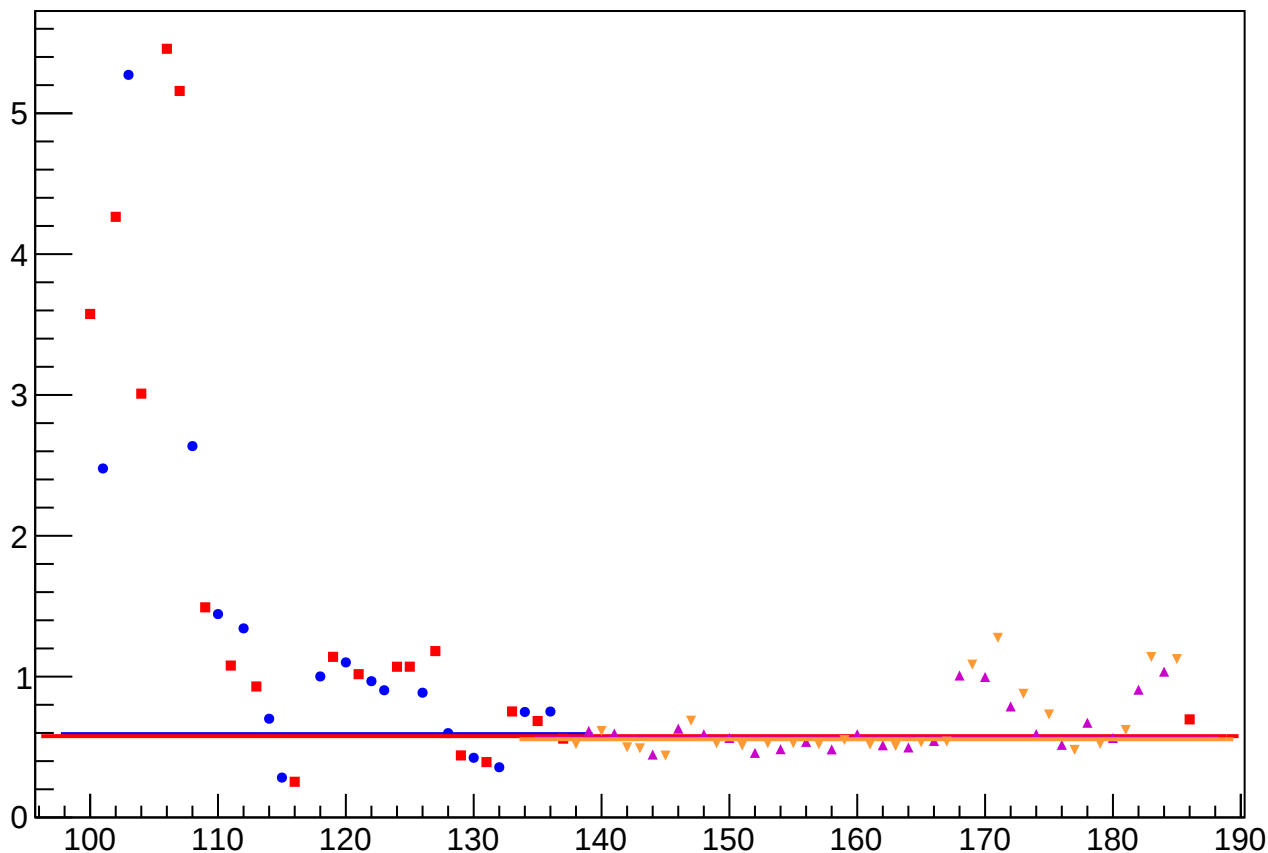
- sign 0.007+/-0.000 χ^2/NDF : 36904823.0/42

yield_cav4cQ_mean vs Slug



Right In: 141.649 $\pm$ 0.000	χ^2 /NDF: 978960977.0/16	+ sign 148.531 $\pm$ 0.000	χ^2 /NDF: 1715173798.2/41
Left Out: 149.900 $\pm$ 0.000	χ^2 /NDF: 162845622.6/24	All: 147.738 $\pm$ 0.000	χ^2 /NDF: 5292926924.1
Right Out: 136.422 $\pm$ 0.000	χ^2 /NDF: 1552130628.5/19	- sign 146.913 $\pm$ 0.000	χ^2 /NDF: 3499734711.1/42
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:1773688.1/24

Right Out: 0.577 $\pm$ 0.000 χ^2 /NDF: 4664067.9/19

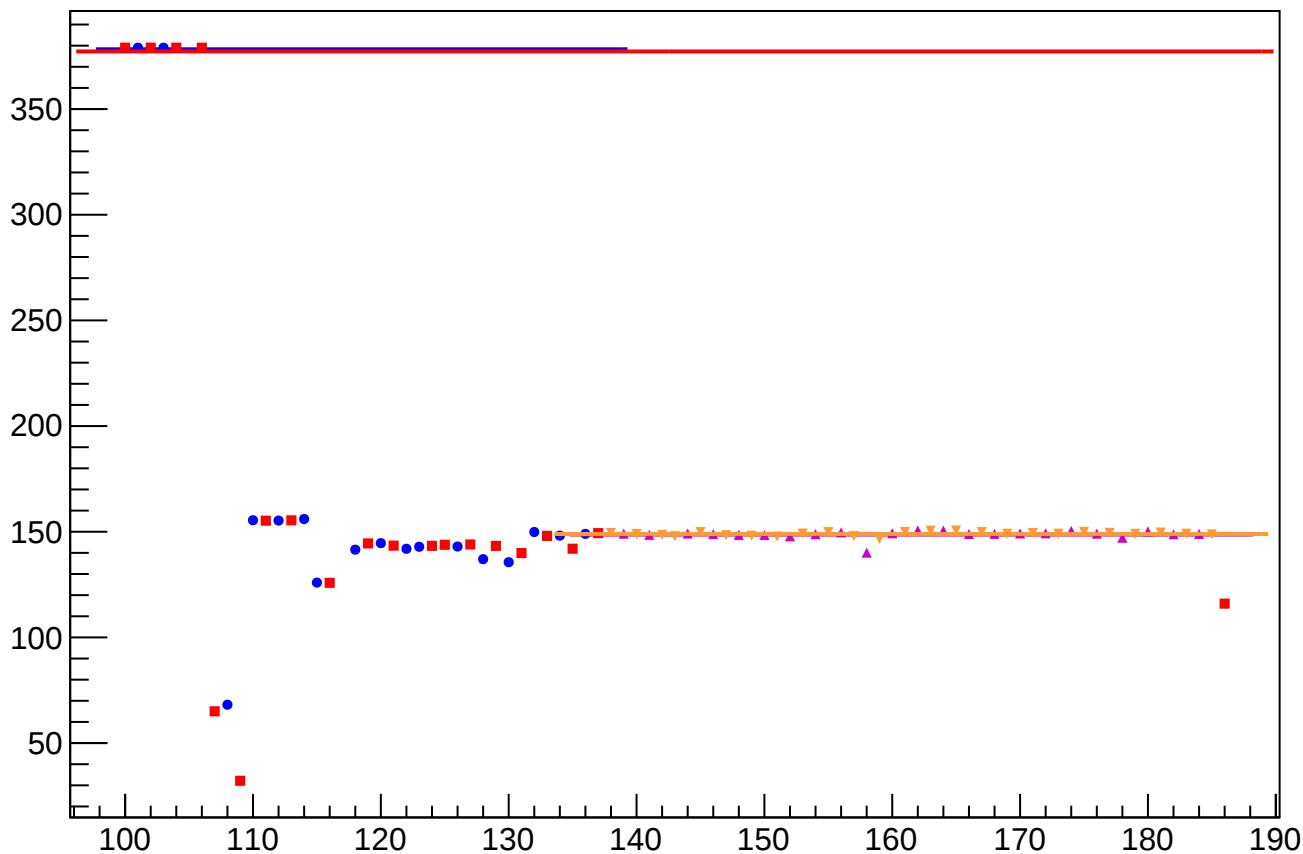
Left In: 0.562 $\pm$ 0.000 χ^2 /NDF:1305573.4/22

+ sign 0.561 $\pm$ 0.000 χ^2 /NDF: 5314454.3/41

All: 0.563 $\pm$ 0.000 χ^2 /NDF: 11289023.4/84

- sign 0.565 $\pm$ 0.000 χ^2 /NDF: 5973949.0/42

yield_cav4dQ_mean vs Slug



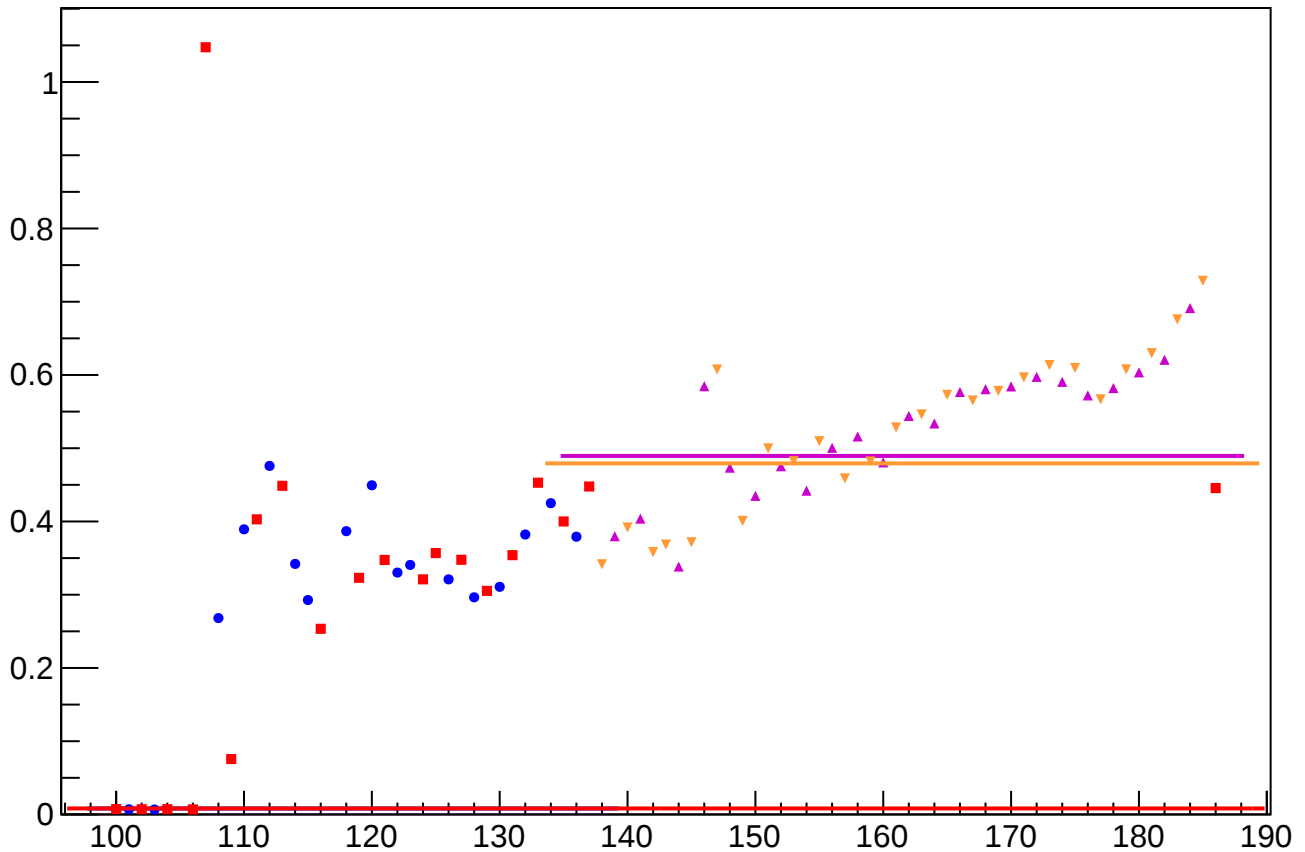
Right In: 378.288 $\pm$ 0.000 χ^2 /NDF: 2492505563660.4/16
 Left Out: 148.944 $\pm$ 0.000 χ^2 /NDF: 63976941.3/24
 Right Out: 377.258 $\pm$ 0.000 χ^2 /NDF: 8402164295905.2/19
 Left In: 148.672 $\pm$ 0.000 χ^2 /NDF: 252846428.3/22

+ sign 377.008 $\pm$ 0.000 χ^2 /NDF: 6399870871366.5

All: 376.596 $\pm$ 0.000 χ^2 /NDF: 18364356773

- sign 376.233 $\pm$ 0.000 χ^2 /NDF: 11960207002443.0

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 9842025.8/16

Left Out: 0.479+/-0.000 χ^2/NDF : 1516566.1/24

Right Out: 0.008+/-0.000 χ^2/NDF : 10192547.3/19

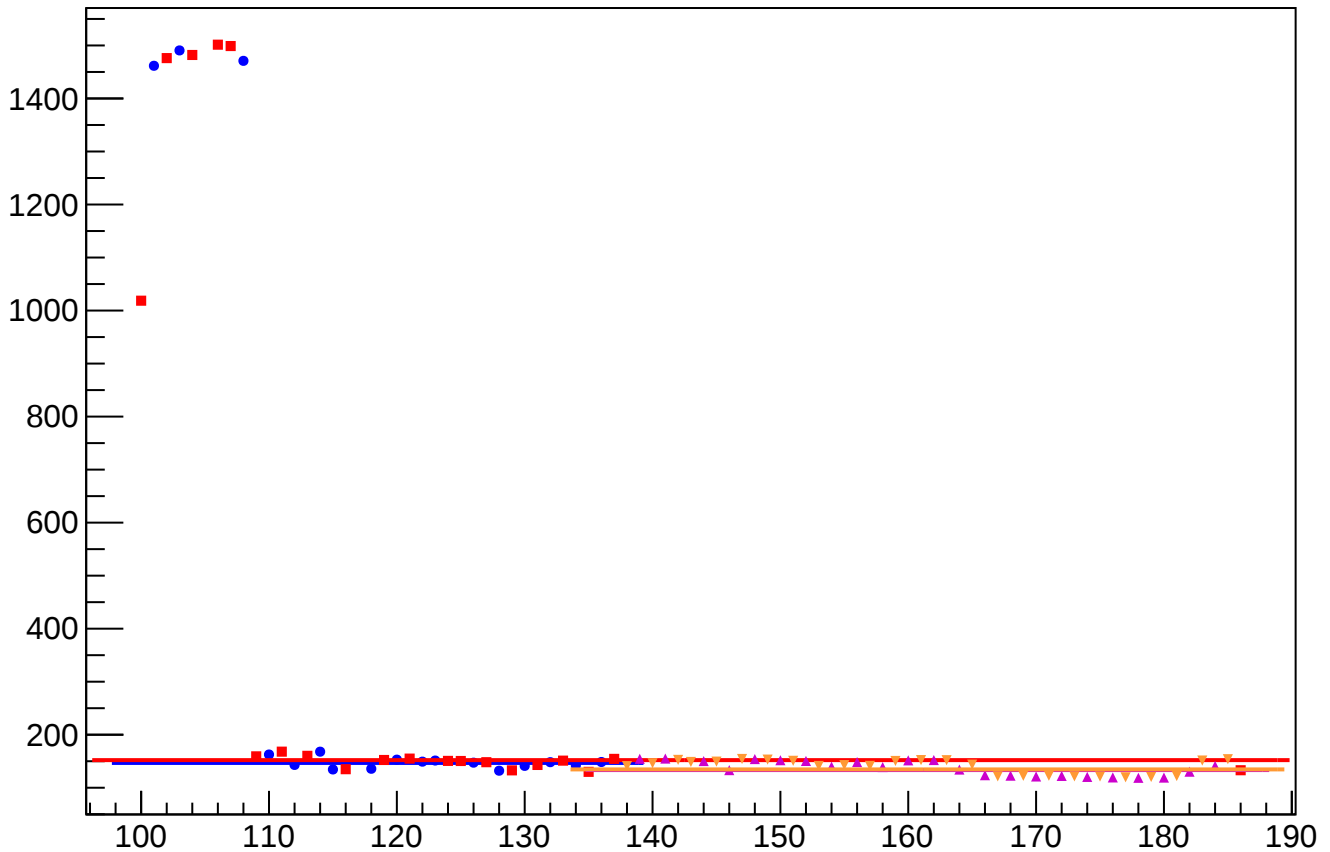
Left In: 0.489+/-0.000 χ^2/NDF : 1076134.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 44343513.3/41

All: 0.011+/-0.000 χ^2/NDF : 87156344.2/84

- sign 0.010+/-0.000 χ^2/NDF : 42810610.0/42

yield_bcm0l02_mean vs Slug



Right In: 146.782 +/- 0.000 χ^2/NDF : 24345208780.4/16

Left Out: 134.554 +/- 0.000 χ^2/NDF : 4376966869.3/24

Right Out: 152.060 +/- 0.000 χ^2/NDF : 33959063459.9/19

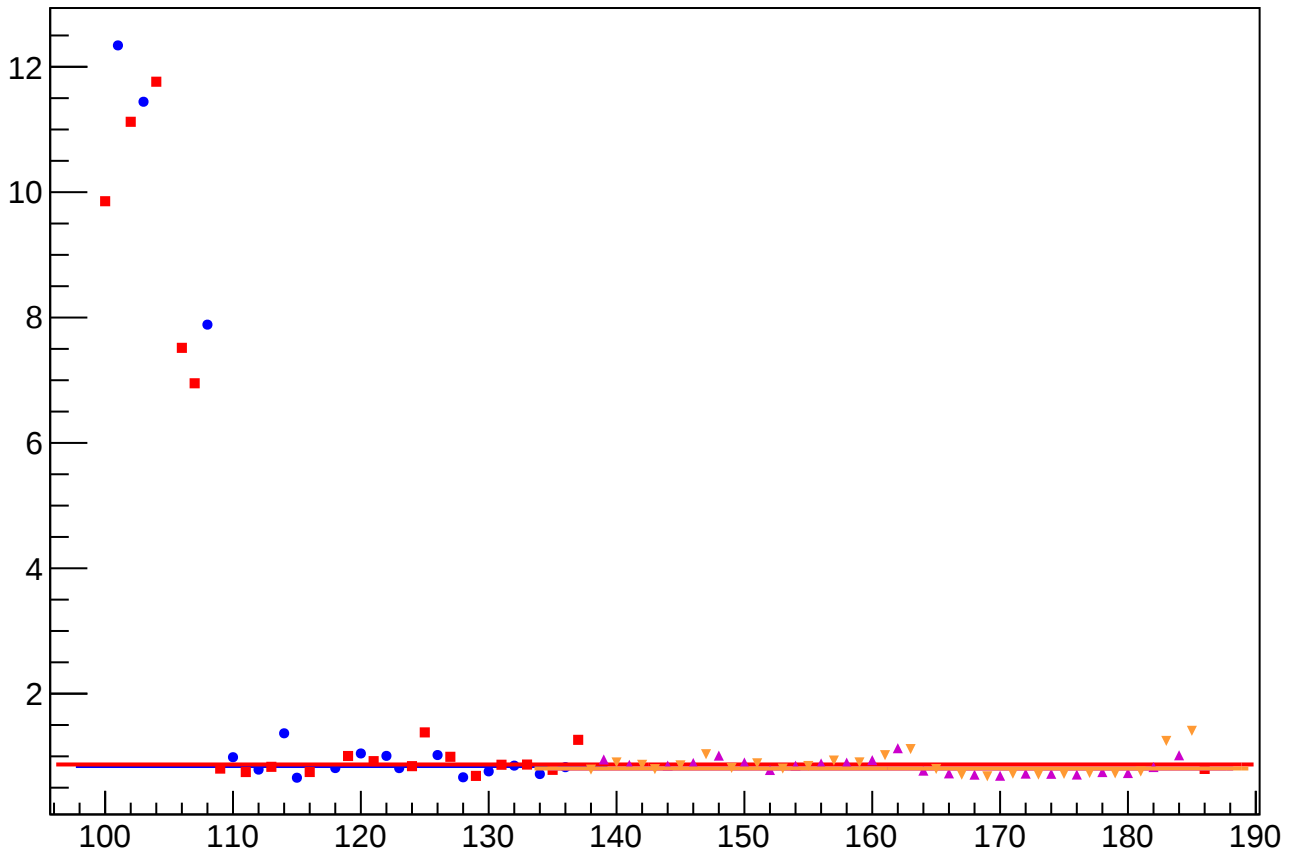
Left In: 133.337 +/- 0.000 χ^2/NDF : 4303812119.2/22

+ sign 136.797 +/- 0.000 χ^2/NDF : 29372573219.0/41

All: 136.950 +/- 0.000 χ^2/NDF : 69241923311.0/41

- sign 137.107 +/- 0.000 χ^2/NDF : 39867963375.0/42

yield_bcm0l02_rms vs Slug



Right In: 0.846+/-0.000 χ^2/NDF : 2658649.7/16

Left Out: 0.806+/-0.000 χ^2/NDF : 690578.5/24

Right Out: 0.870+/-0.000 χ^2/NDF : 2831470.9/19

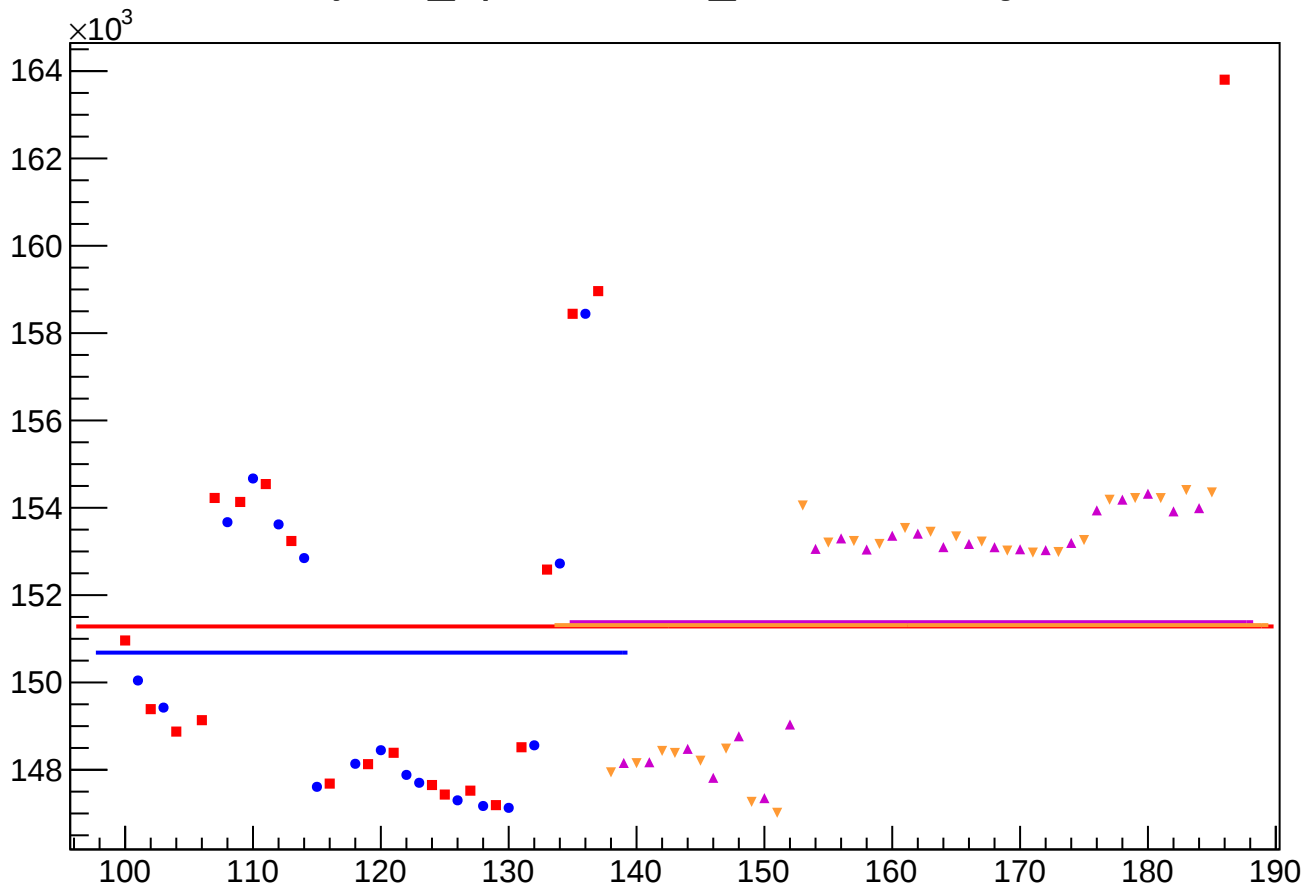
Left In: 0.805+/-0.000 χ^2/NDF : 480510.8/22

+ sign 0.813+/-0.000 χ^2/NDF : 3362824.1/41

All: 0.816+/-0.000 χ^2/NDF : 6714765.7/84

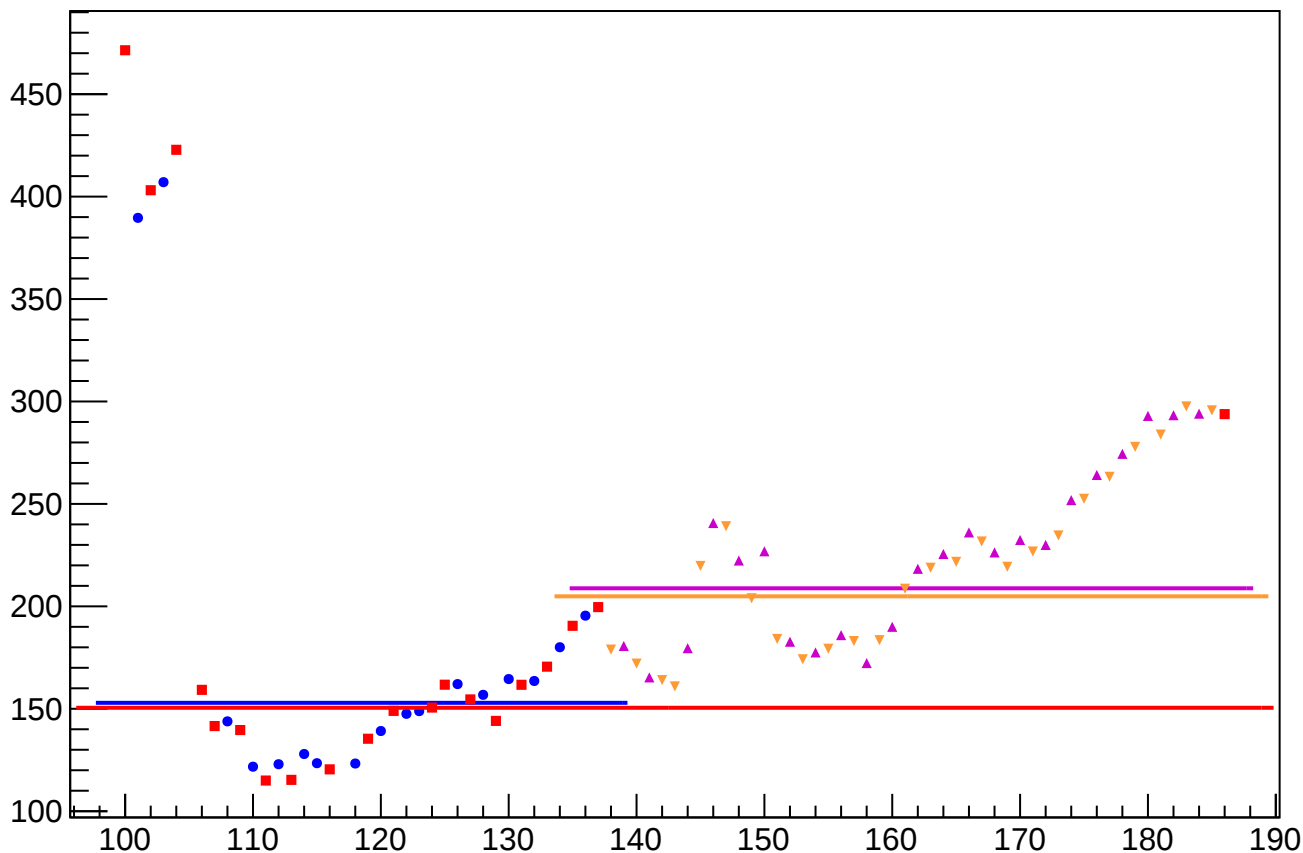
- sign 0.818+/-0.000 χ^2/NDF : 3351333.1/42

yield_bpm0i01WS_mean vs Slug



Right In: 150683.304 $\pm$ 0.063 χ^2 /NDF: 3299311261.5/16
 Left Out: 151313.284 $\pm$ 0.049 χ^2 /NDF: 3153768134.8/24
 Right Out: 151282.628 $\pm$ 0.059 χ^2 /NDF: 3997866554.1/19
 Left In: 151380.236 $\pm$ 0.051 χ^2 /NDF: 2363895785.3/22
 + sign 151078.183 $\pm$ 0.039 χ^2 /NDF: 6515569029.6
 All: 151207.706 $\pm$ 0.027 χ^2 /NDF: 129015825
 - sign 151338.519 $\pm$ 0.039 χ^2 /NDF: 6363316310.1

yield_bpm0i01WS_rms vs Slug



Right In: 152.916 $\pm$ 0.045 χ^2 /NDF: 1154367.4/16

Left Out: 204.900 $\pm$ 0.034 χ^2 /NDF: 1056380.8/24

Right Out: 150.493 $\pm$ 0.042 χ^2 /NDF: 1372589.5/19

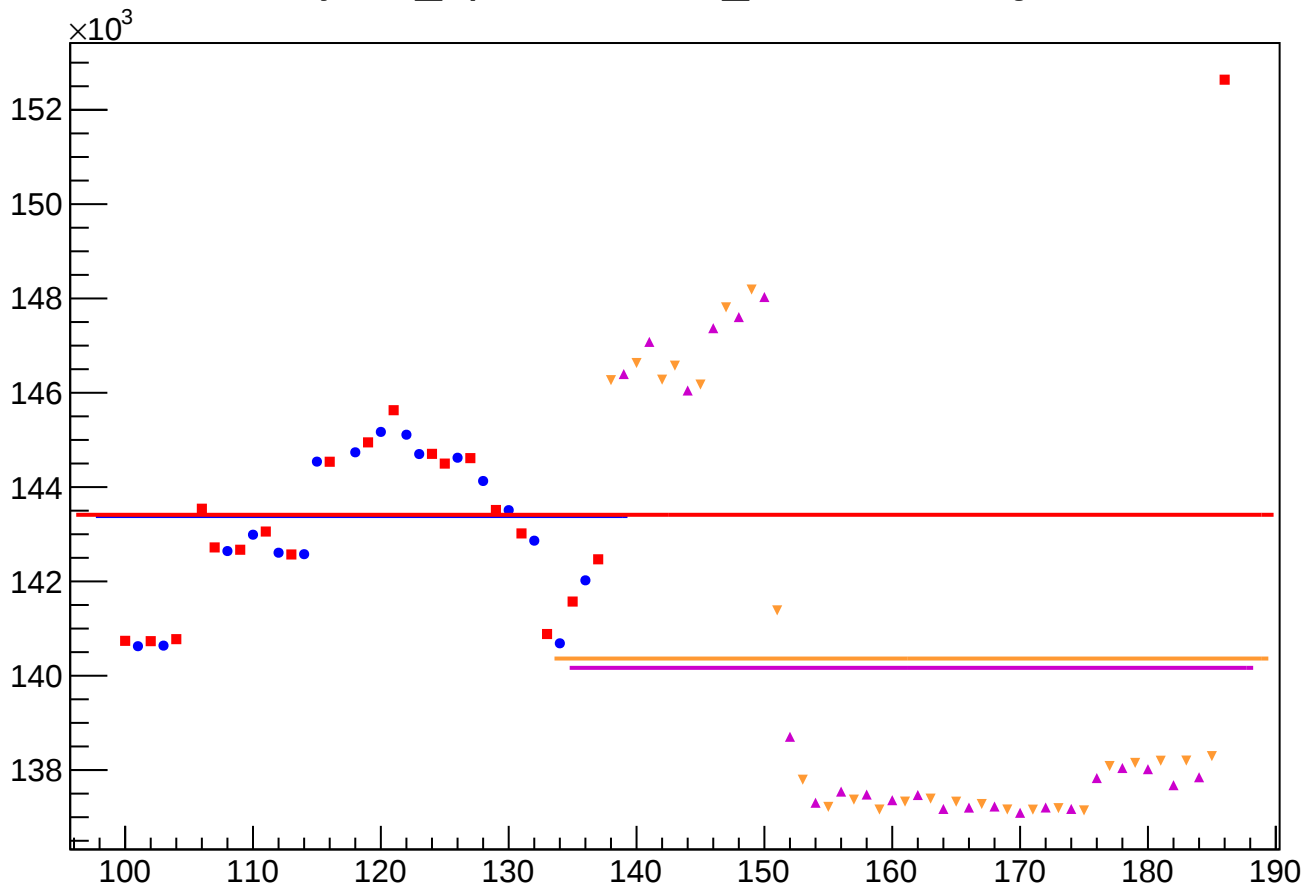
Left In: 208.813 $\pm$ 0.036 χ^2 /NDF: 1001936.6/22

+ sign 185.500 $\pm$ 0.027 χ^2 /NDF: 3061727.0/41

All: 184.698 $\pm$ 0.019 χ^2 /NDF: 6547494.1/84

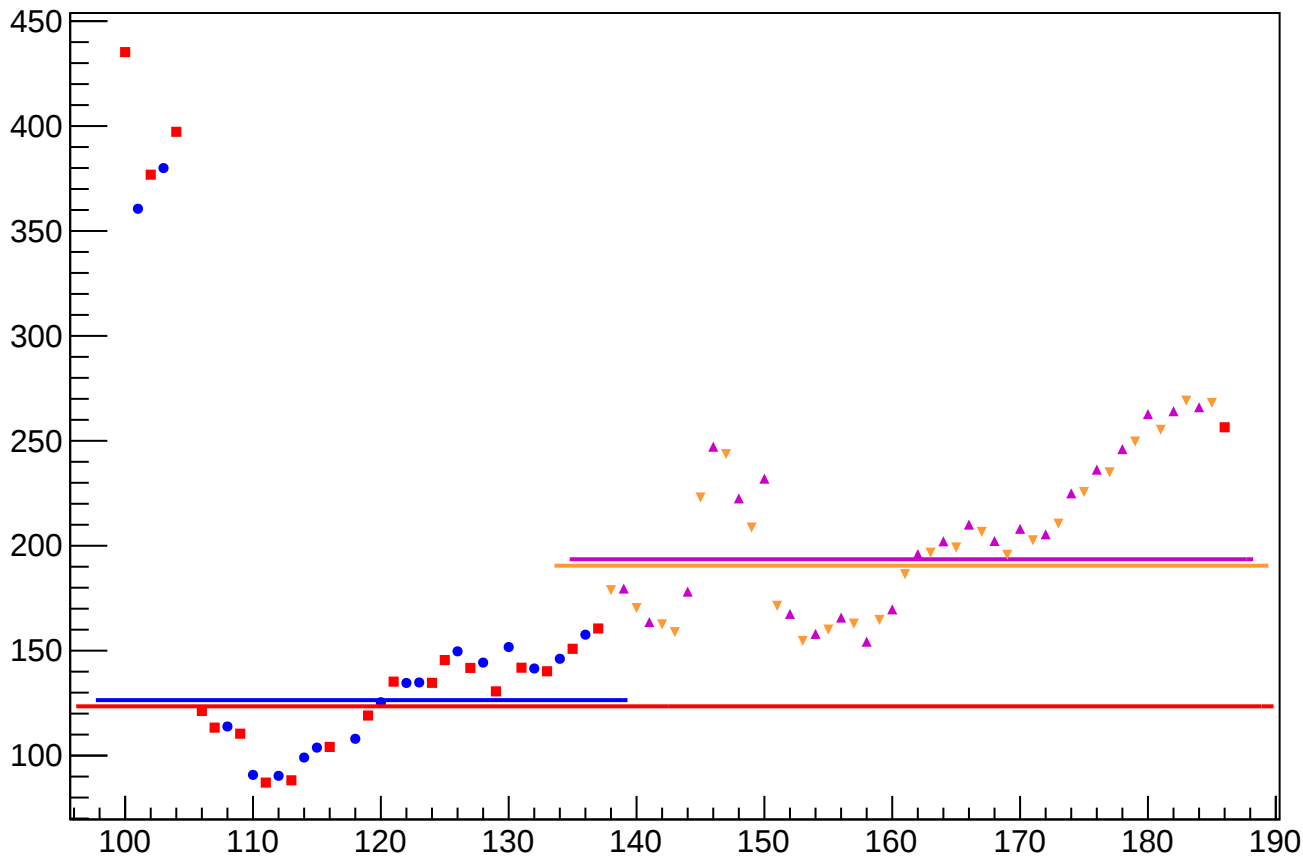
- sign 183.887 $\pm$ 0.027 χ^2 /NDF: 3484025.3/42

yield_bpm0i01aWS_mean vs Slug



Right In: 143385.822 $\pm$ 0.053 χ^2 /NDF: 520518329.3/16
 Left Out: 140364.444 $\pm$ 0.045 χ^2 /NDF: 8677078677.7/24
 Right Out: 143412.651 $\pm$ 0.049 χ^2 /NDF: 1106513459.0/19
 Left In: 140166.971 $\pm$ 0.047 χ^2 /NDF: 8028464654.6/22
 + sign 141642.991 $\pm$ 0.034 χ^2 /NDF: 11086886255.
 All: 141694.577 $\pm$ 0.024 χ^2 /NDF: 225014614
 - sign 141745.169 $\pm$ 0.034 χ^2 /NDF: 11410106078.9

yield_bpm0i01aWS_rms vs Slug



Right In: 126.427 $\pm$ 0.037 χ^2 /NDF: 1442156.7/16

Left Out: 190.486 $\pm$ 0.032 χ^2 /NDF: 950233.2/24

Right Out: 123.480 $\pm$ 0.034 χ^2 /NDF: 1665440.9/19

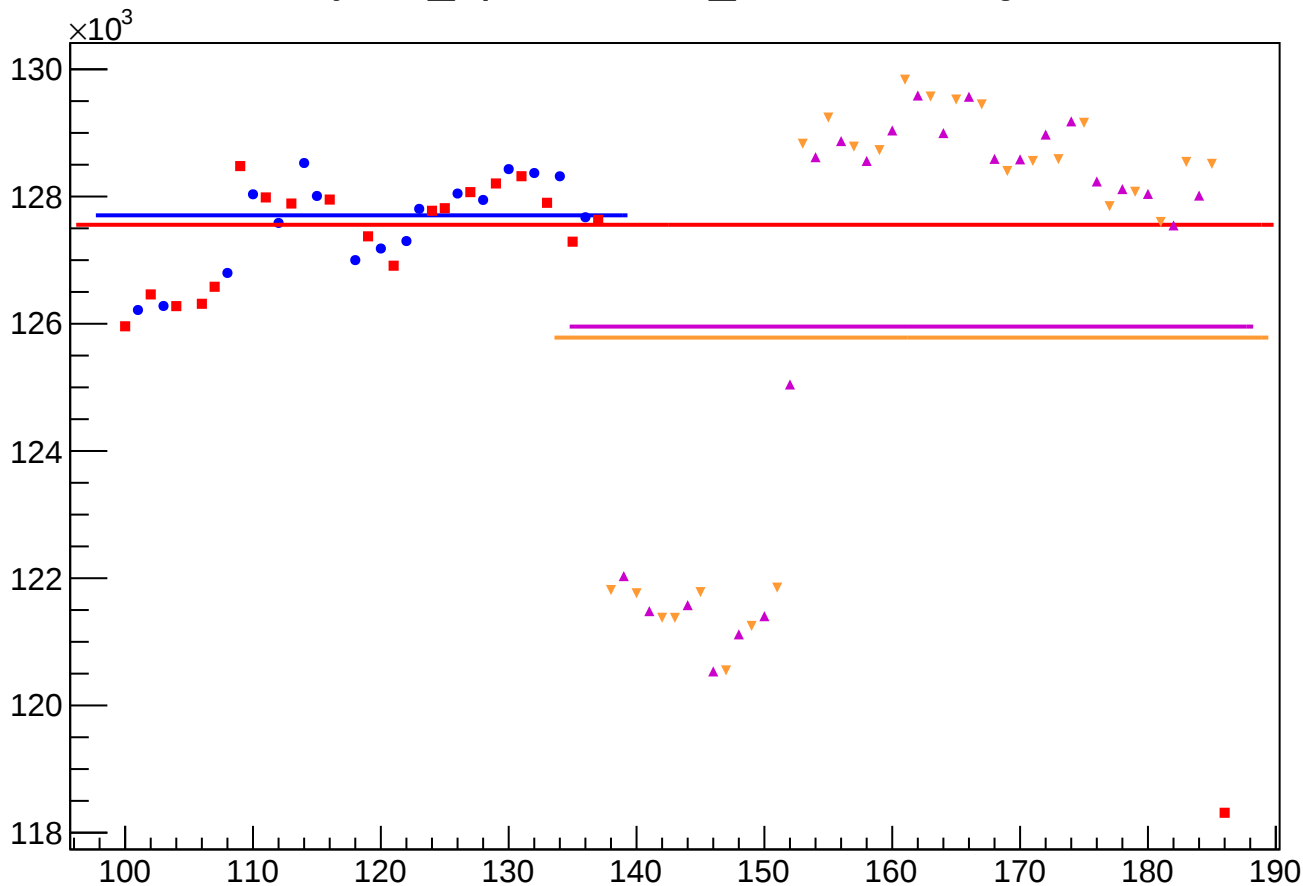
Left In: 193.558 $\pm$ 0.034 χ^2 /NDF: 963675.0/22

+ sign 163.378 $\pm$ 0.024 χ^2 /NDF: 4090916.0/41

All: 161.412 $\pm$ 0.017 χ^2 /NDF: 8854291.2/84

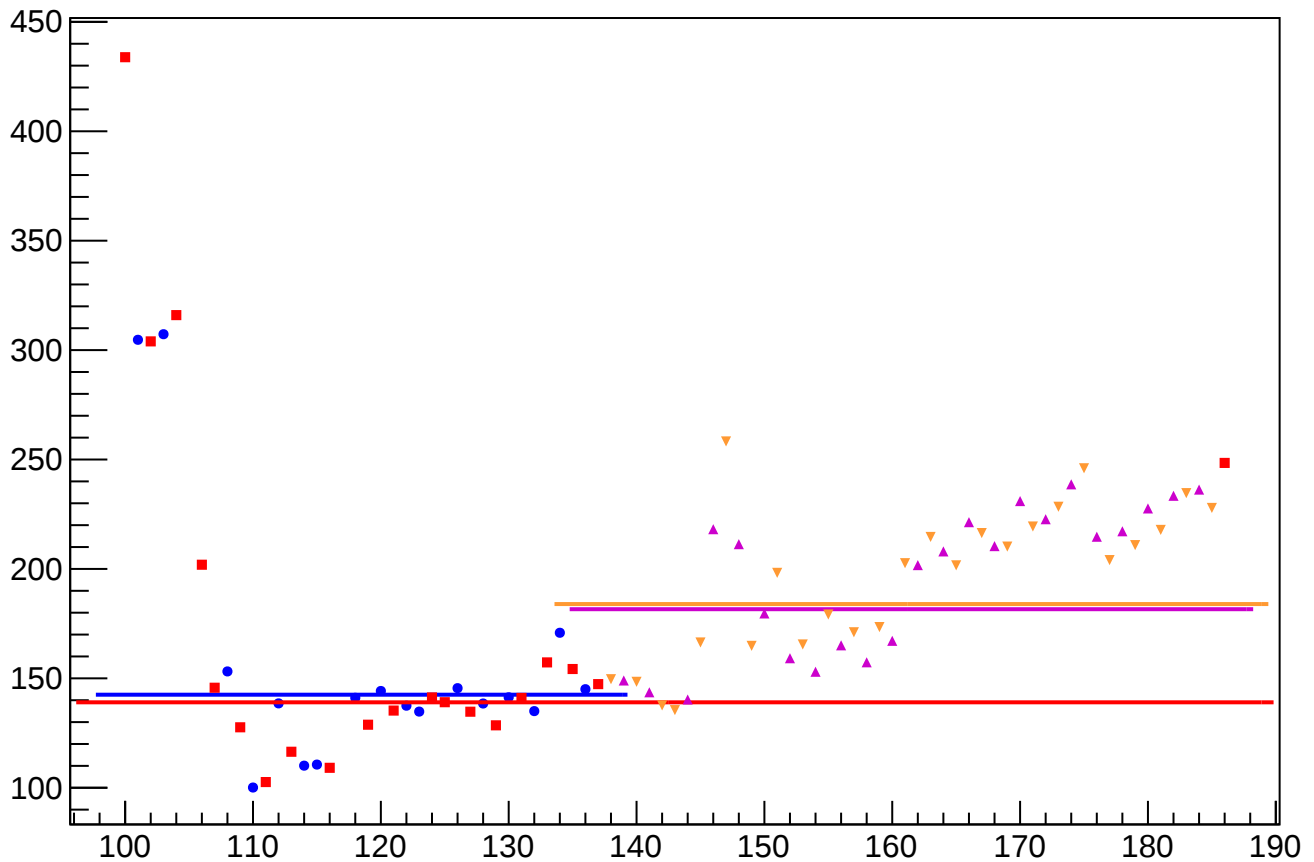
- sign 159.483 $\pm$ 0.024 χ^2 /NDF: 4750382.3/42

yield_bpm0l01WS_mean vs Slug



Right In: 127704.536 $\pm$ 0.058	χ^2 /NDF: 97614287.1/16	+ sign 126482.129 $\pm$ 0.035	χ^2 /NDF: 7521494035.2
Left Out: 125782.764 $\pm$ 0.044	χ^2 /NDF: 6729761889.8/24	All: 126545.777 $\pm$ 0.025	χ^2 /NDF: 144967365
Right Out: 127555.886 $\pm$ 0.054	χ^2 /NDF: 645256687.1/19	- sign 126607.274 $\pm$ 0.034	χ^2 /NDF: 6968775492.5/
Left In: 125955.637 $\pm$ 0.045	χ^2 /NDF: 5804088930.1/22		

yield_bpm0l01WS_rms vs Slug



Right In: 142.524 ± 0.041 χ^2/NDF : 836220.9/16

Left Out: 183.947 ± 0.031 χ^2/NDF : 1123194.0/24

Right Out: 139.043 ± 0.038 χ^2/NDF : 1105720.1/19

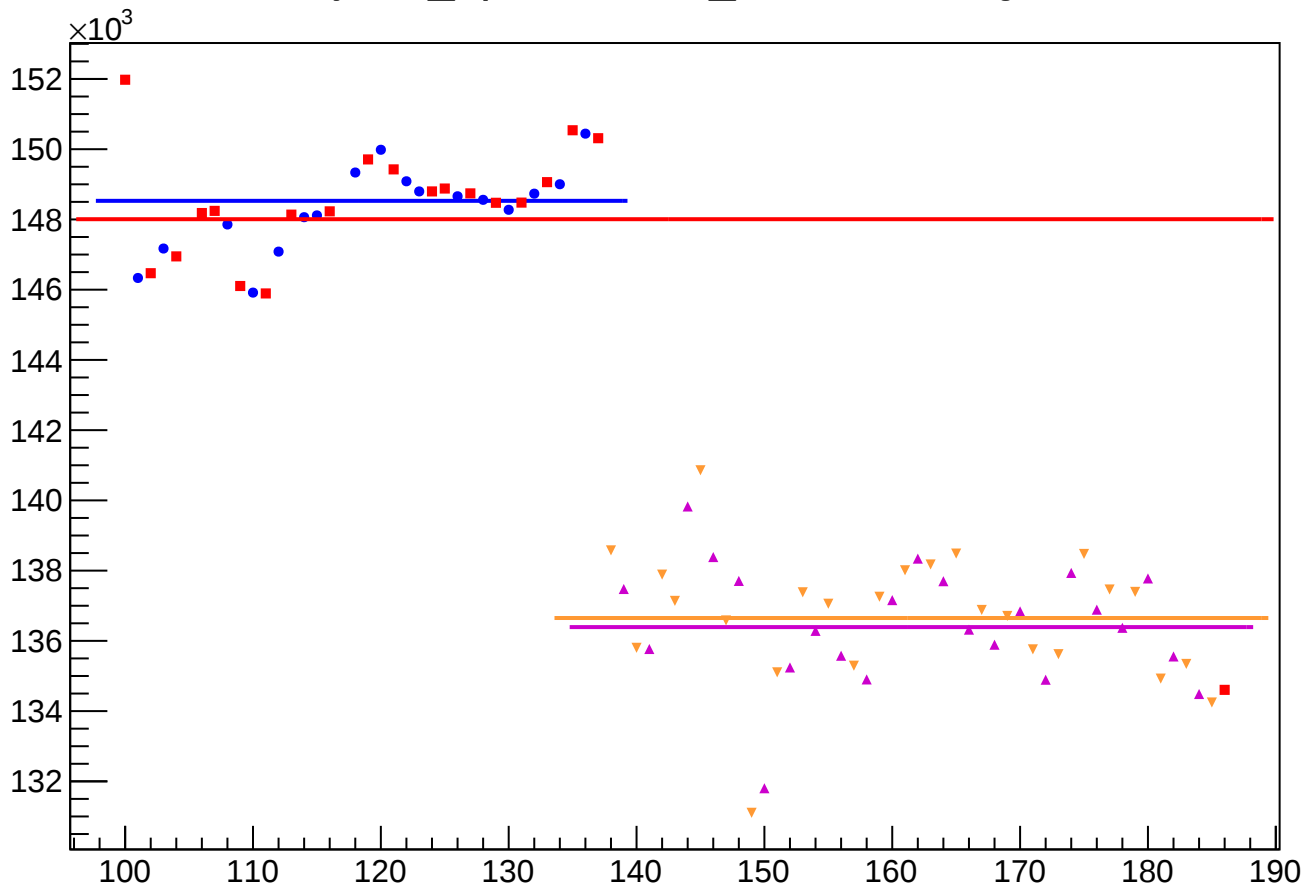
Left In: 181.596 ± 0.032 χ^2/NDF : 1103524.3/22

+ sign 168.872 ± 0.025 χ^2/NDF : 2604370.9/41

All: 166.531 ± 0.017 χ^2/NDF : 5565703.7/84

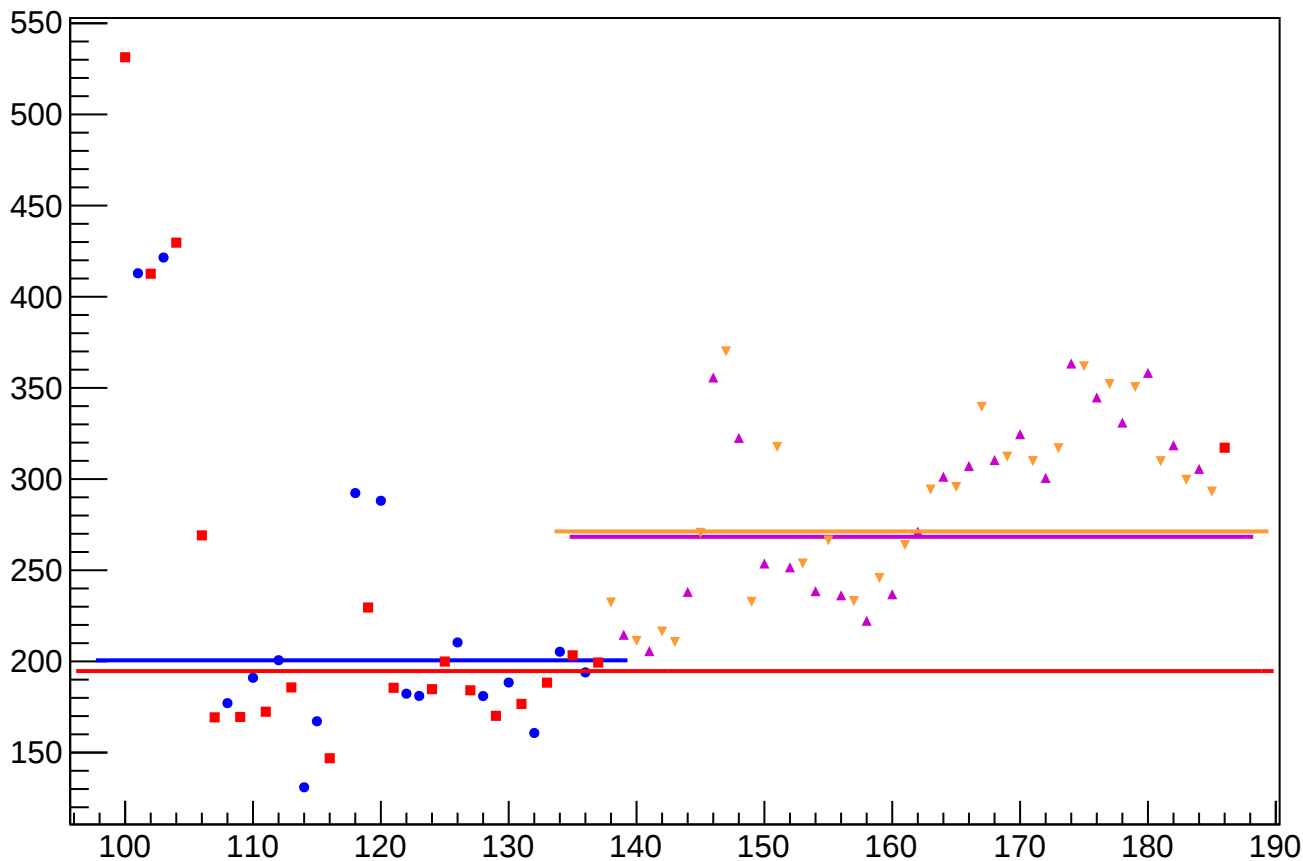
- sign 164.268 ± 0.024 χ^2/NDF : 2943822.7/42

yield_bpm0l02WS_mean vs Slug



Right In: 148529.735 $\pm$ 0.082 χ^2/NDF : 209963911.3/16
 Left Out: 136650.935 $\pm$ 0.065 χ^2/NDF : 930649595.5/24
 Right Out: 148006.736 $\pm$ 0.076 χ^2/NDF : 971991863.5/19
 Left In: 136392.188 $\pm$ 0.066 χ^2/NDF : 701986841.4/22

yield_bpm0l02WS_rms vs Slug



Right In: 200.585 ± 0.058 χ^2/NDF : 935452.3/16

Left Out: 271.295 ± 0.046 χ^2/NDF : 1064485.7/24

Right Out: 194.702 ± 0.053 χ^2/NDF : 958812.2/19

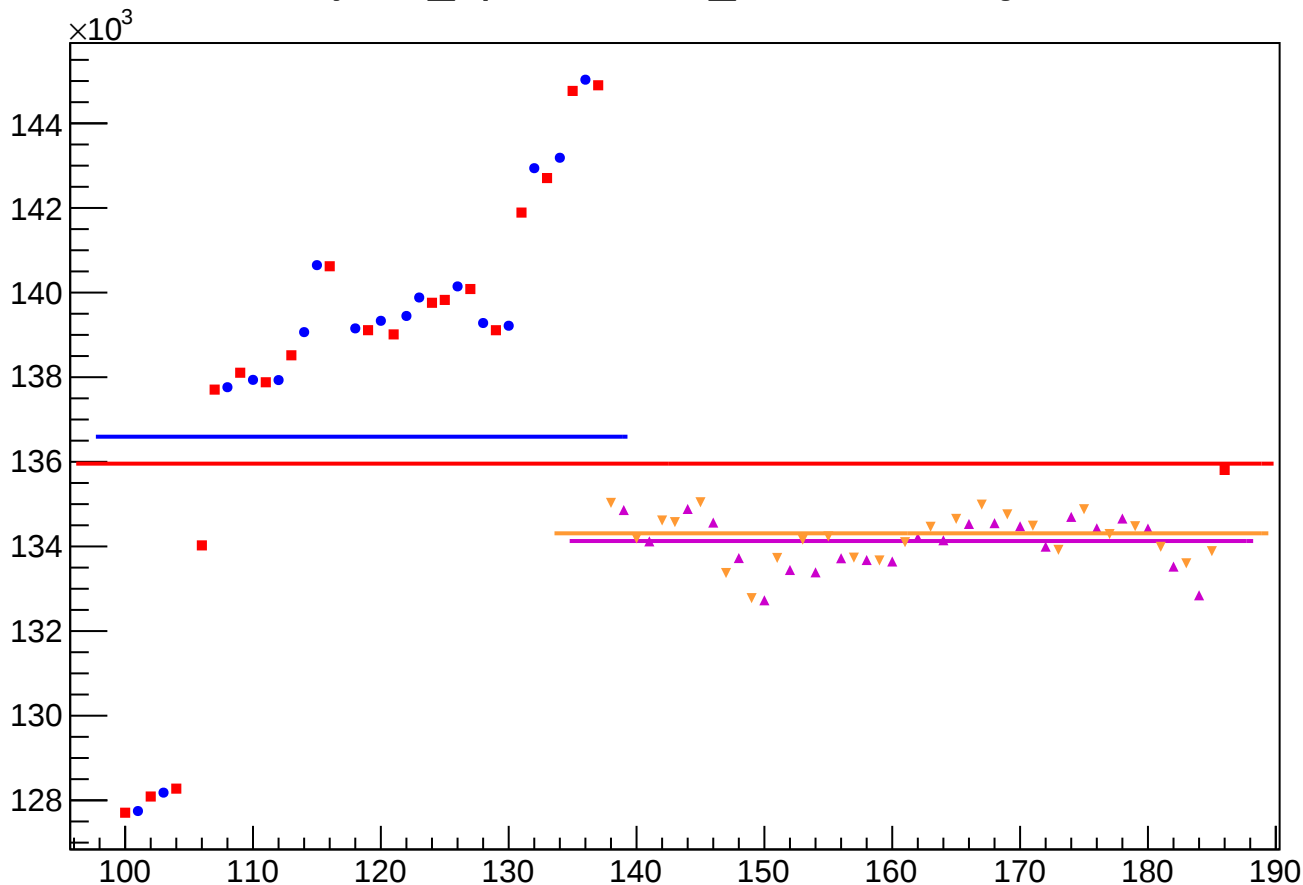
Left In: 268.344 ± 0.047 χ^2/NDF : 1077364.0/22

+ sign 244.312 ± 0.036 χ^2/NDF : 2913601.7/41

All: 240.331 ± 0.025 χ^2/NDF : 6050804.1/84

- sign 236.522 ± 0.035 χ^2/NDF : 3113186.3/42

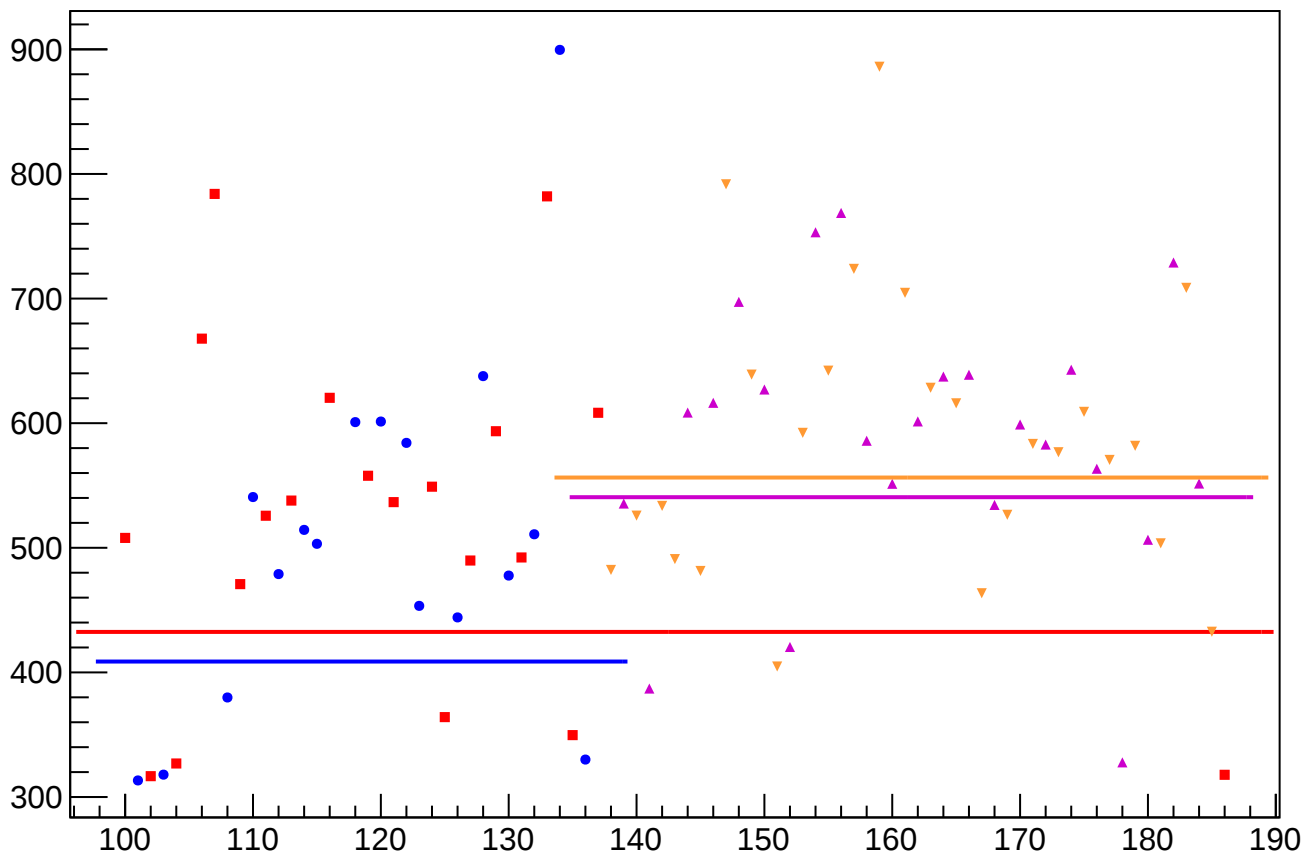
yield_bpm0l03WS_mean vs Slug



Right In: 136593.896 ± 0.172 $\chi^2/\text{NDF}: 1493317567.5/16$
 Left Out: 134310.250 ± 0.139 $\chi^2/\text{NDF}: 15518632.9/24$
 Right Out: 135956.953 ± 0.175 $\chi^2/\text{NDF}: 1080883657.8/19$
 Left In: 134128.172 ± 0.142 $\chi^2/\text{NDF}: 15533736.2/22$

+ sign 135210.375 ± 0.108 $\chi^2/\text{NDF}: 1615909019.9$
 All: 135036.409 ± 0.077 $\chi^2/\text{NDF}: 278354669$
 - sign 134854.650 ± 0.110 $\chi^2/\text{NDF}: 1162316975.5/$

yield_bpm0l03WS_rms vs Slug



Right In: 408.721+/-0.121 χ^2/NDF : 830375.0/16

Left Out: 556.381+/-0.098 χ^2/NDF :1002064.0/24

Right Out: 432.495+/-0.124 χ^2/NDF : 997356.9/19

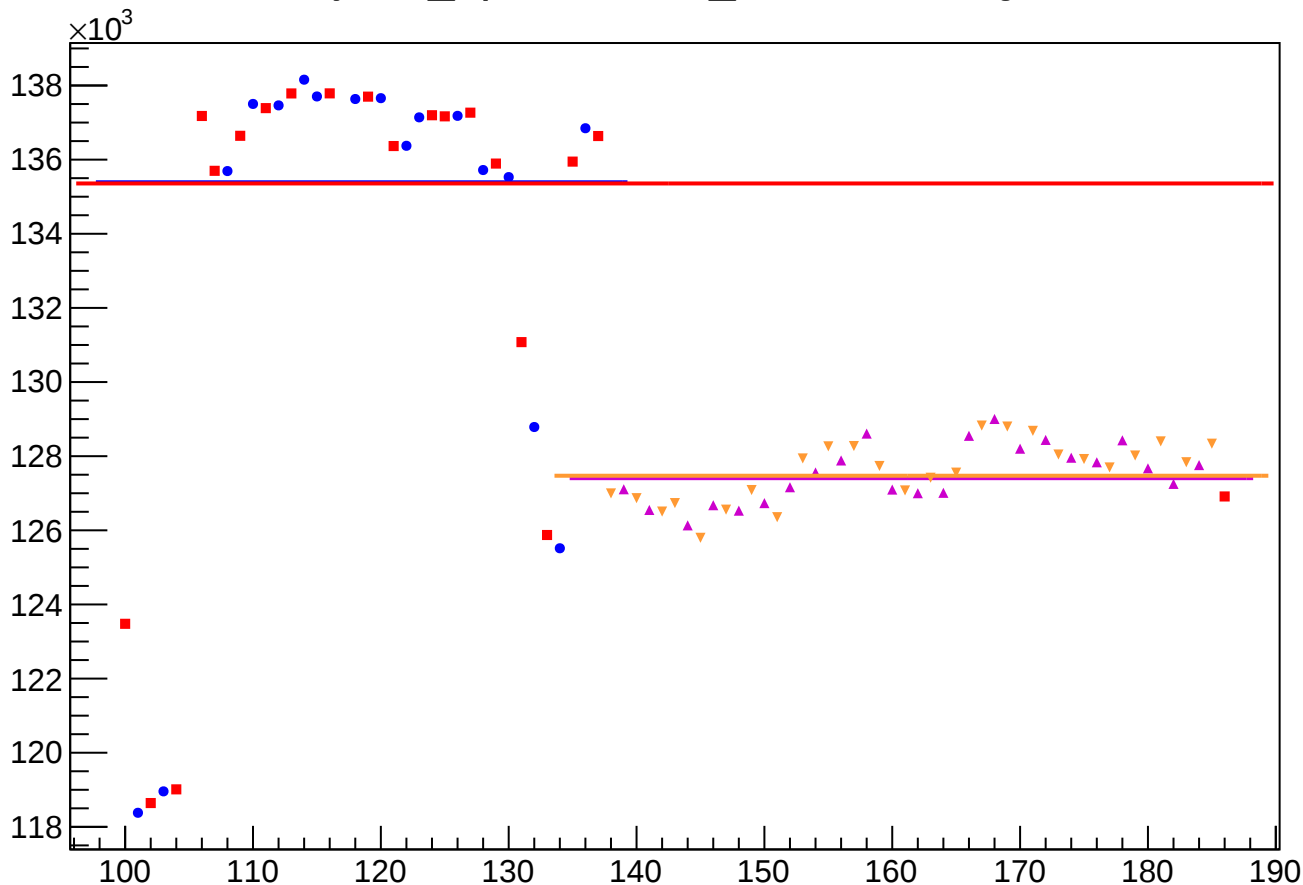
Left In: 540.607+/-0.100 χ^2/NDF :1409015.2/22

+ sign 498.179+/-0.076 χ^2/NDF : 2727761.9/41

All: 497.925+/-0.055 χ^2/NDF : 5594767.0/84

- sign 497.660+/-0.078 χ^2/NDF : 2866982.4/42

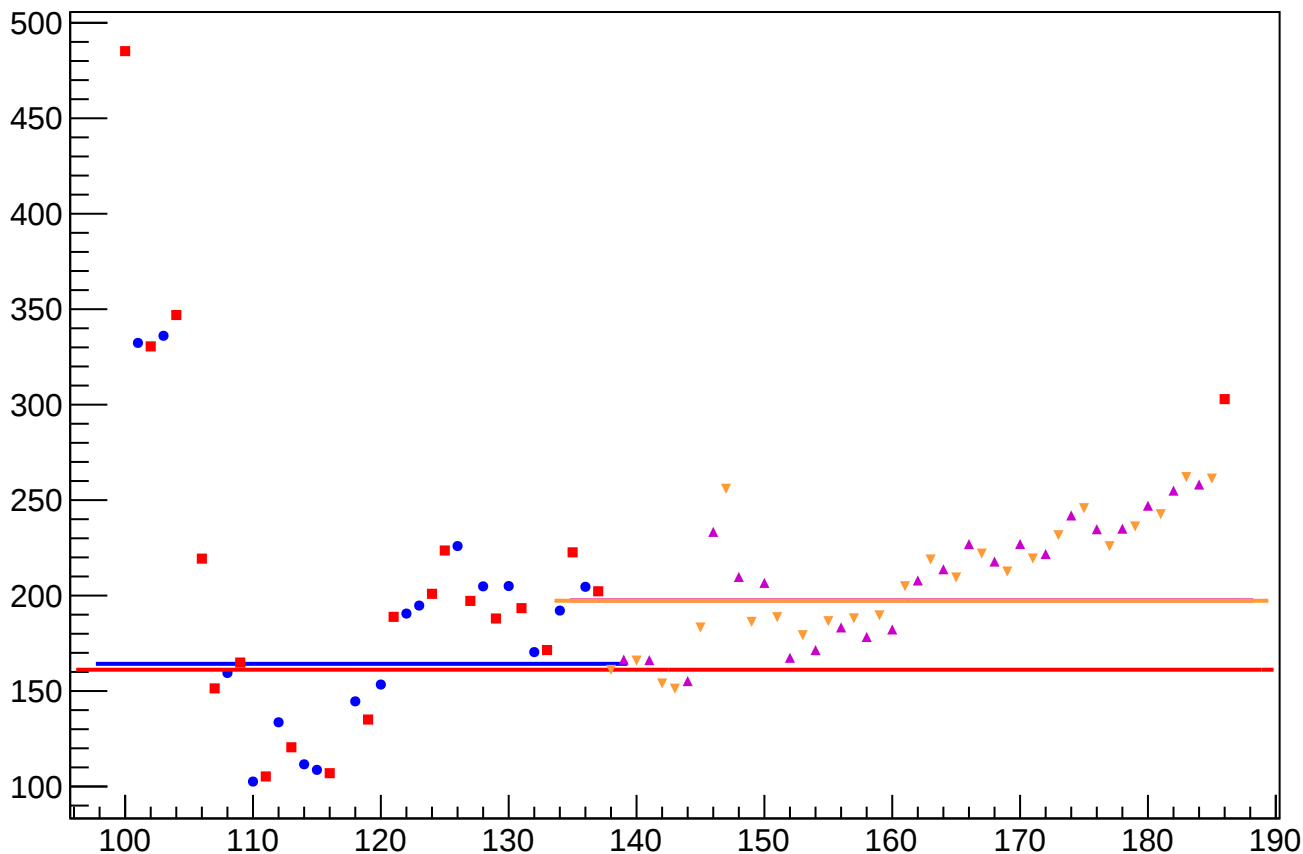
yield_bpm0l04WS_mean vs Slug



Right In: 135389.443 $\pm$ 0.068 χ^2 /NDF: 4578120272.5/16
 Left Out: 127472.525 $\pm$ 0.047 χ^2 /NDF:303609315.6/24
 Right Out: 135357.288 $\pm$ 0.064 χ^2 /NDF: 5029401597.9/19
 Left In: 127406.911 $\pm$ 0.048 χ^2 /NDF:269927988.0/22

+ sign 130003.313 $\pm$ 0.039 χ^2 /NDF: 14007841238.
 All: 130154.222 $\pm$ 0.027 χ^2 /NDF: 291863380.
 - sign 130304.415 $\pm$ 0.039 χ^2 /NDF: 15148075813.0

yield_bpm0l04WS_rms vs Slug



Right In: 164.250+/-0.048 χ^2/NDF : 1227814.4/16

Left Out: 197.289+/-0.033 χ^2/NDF : 852024.1/24

Right Out: 161.162+/-0.045 χ^2/NDF : 1540795.7/19

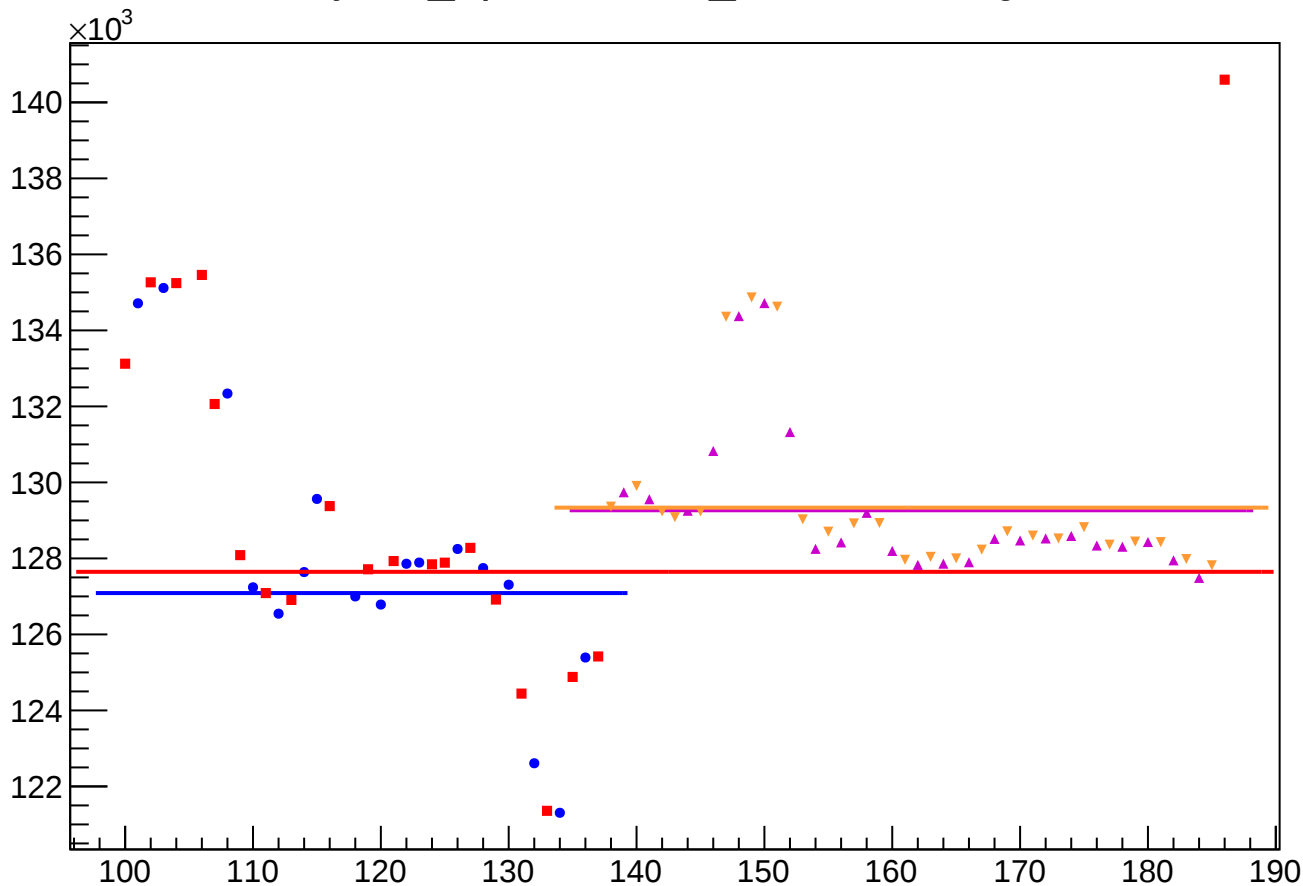
Left In: 197.471+/-0.034 χ^2/NDF : 791577.5/22

+ sign 186.728+/-0.027 χ^2/NDF : 2397724.0/41

All: 185.480+/-0.019 χ^2/NDF : 5145086.4/84

- sign 184.238+/-0.027 χ^2/NDF : 2743203.7/42

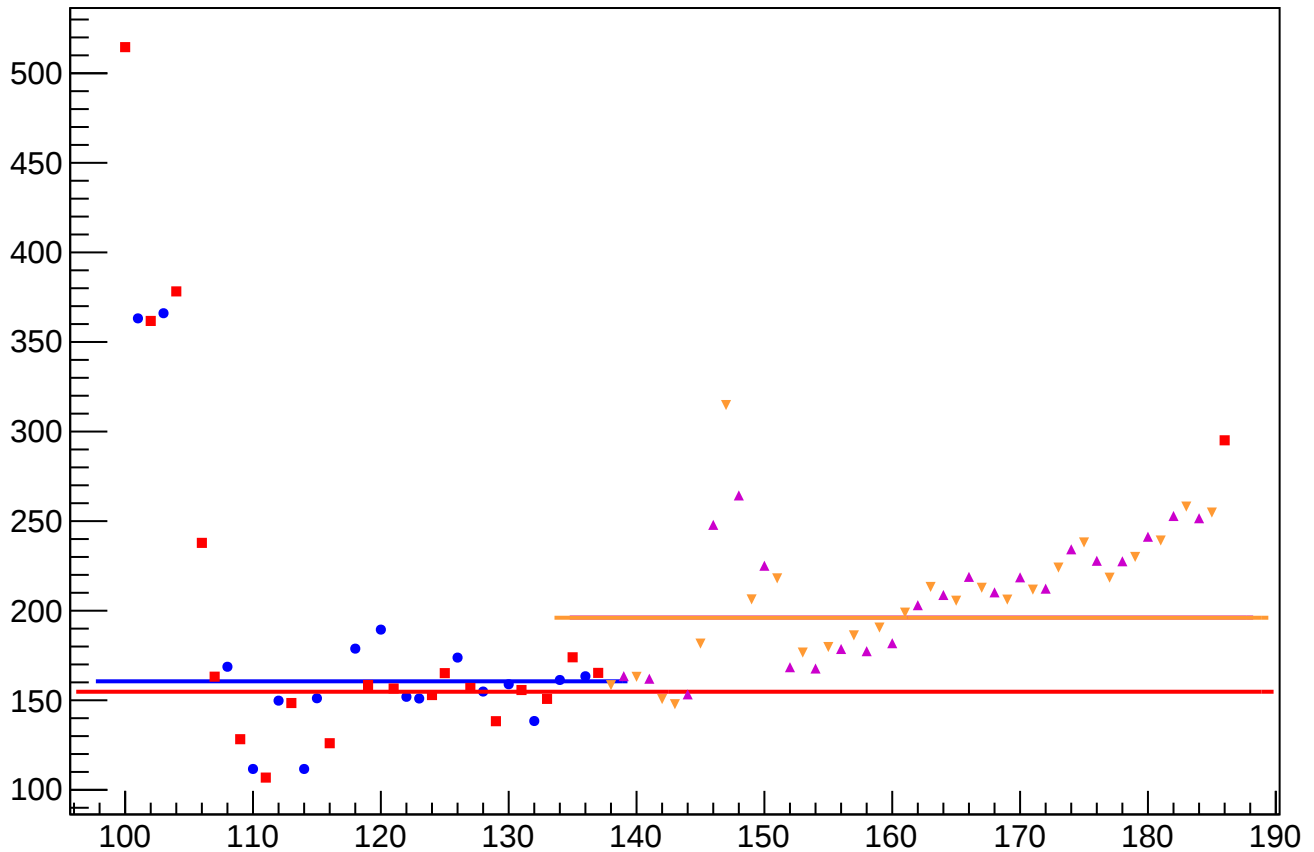
yield_bpm0l05WS_mean vs Slug



Right In: 127088.167 $\pm$ 0.066 χ^2/NDF : 1716591601.9/16
 Left Out: 129335.946 $\pm$ 0.047 χ^2/NDF : 1450933621.0/24
 Right Out: 127646.907 $\pm$ 0.061 χ^2/NDF : 2823247586.9/19
 Left In: 129266.909 $\pm$ 0.048 χ^2/NDF : 1213762773.1/22

+ sign 128592.037 $\pm$ 0.038 χ^2/NDF : 3933363909.0
 All: 128619.220 $\pm$ 0.027 χ^2/NDF : 840527500
 - sign 128645.828 $\pm$ 0.038 χ^2/NDF : 4470910187.8

yield_bpm0l05WS_rms vs Slug



Right In: 160.589 $\pm$ 0.047 χ^2 /NDF: 942522.1/16

Left Out: 196.077 $\pm$ 0.033 χ^2 /NDF: 975710.9/24

Right Out: 154.766 $\pm$ 0.043 χ^2 /NDF: 1259155.7/19

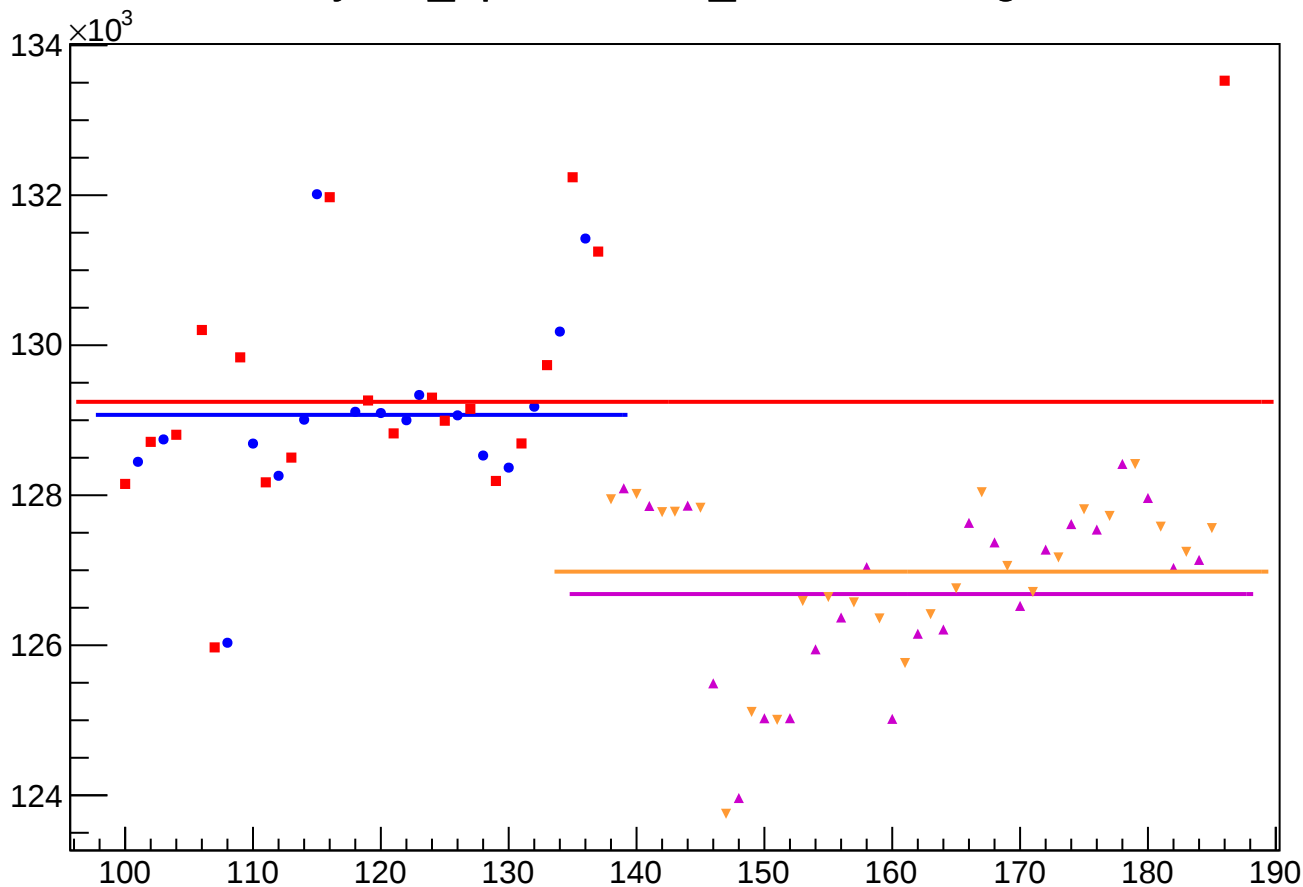
Left In: 196.186 $\pm$ 0.034 χ^2 /NDF: 898058.0/22

+ sign 184.332 $\pm$ 0.027 χ^2 /NDF: 2300037.8/41

All: 182.298 $\pm$ 0.019 χ^2 /NDF: 5035757.5/84

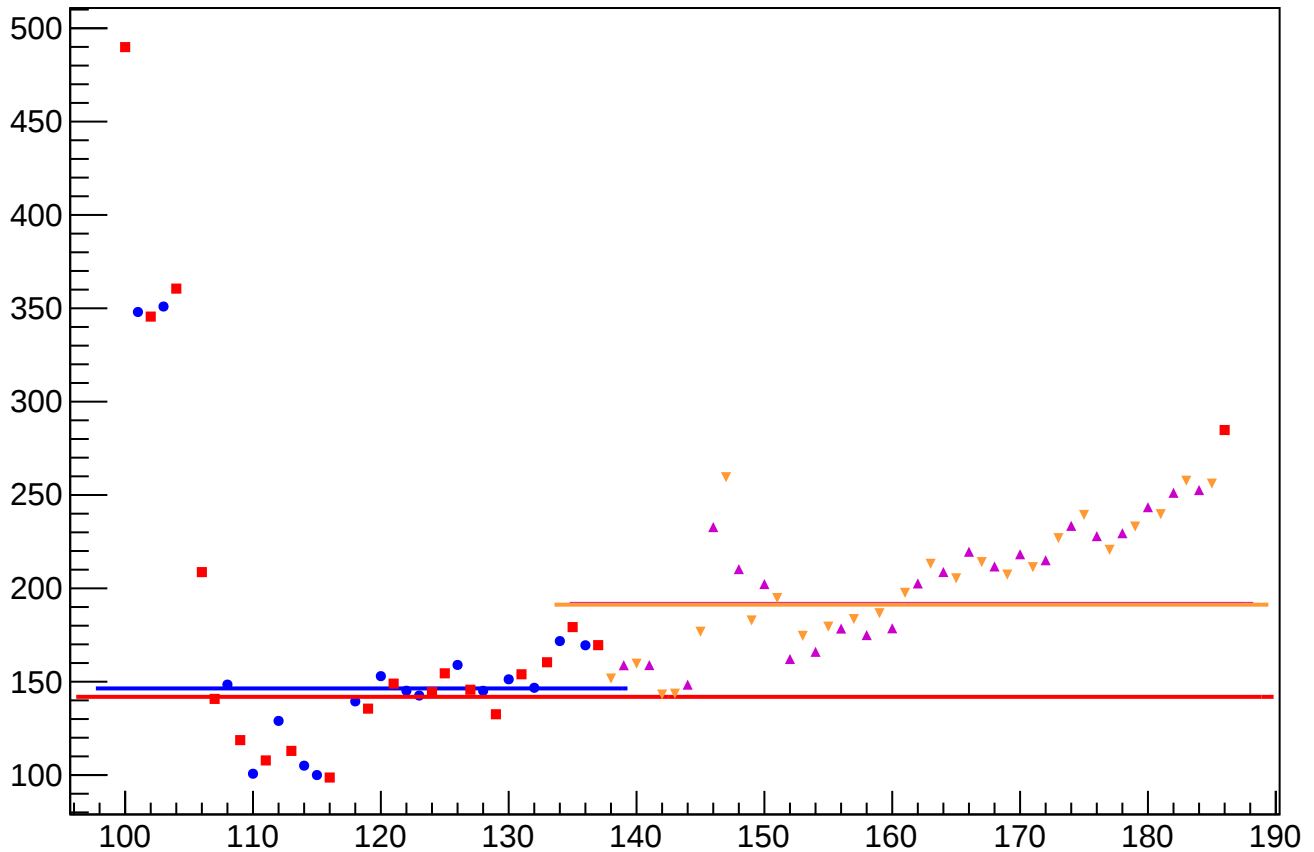
- sign 180.306 $\pm$ 0.027 χ^2 /NDF: 2724506.1/42

yield_bpm0l06WS_mean vs Slug



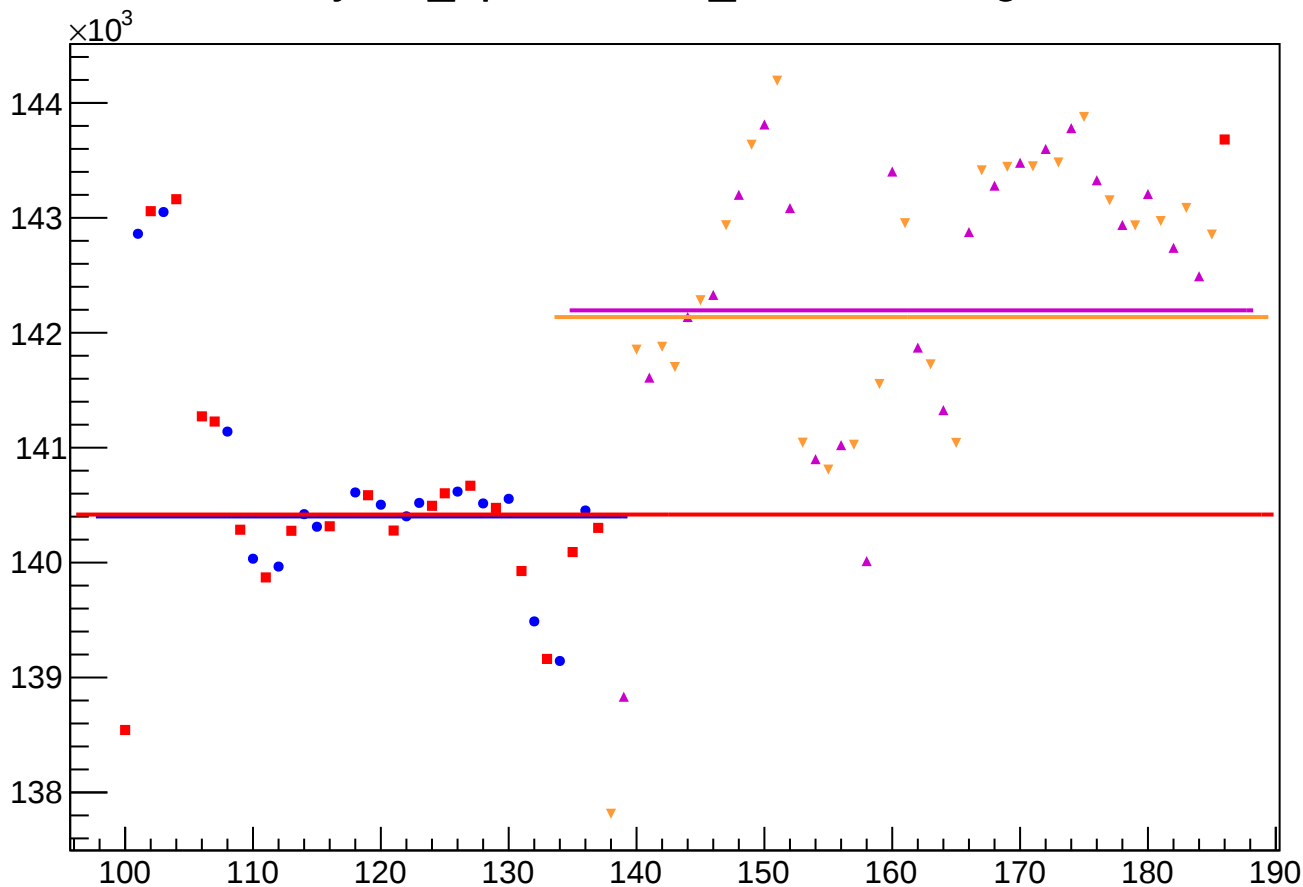
Right In: 129071.617 $\pm$ 0.060	χ^2 /NDF: 476291091.1/16	+ sign 127740.845 $\pm$ 0.036	χ^2 /NDF: 1772426635.2
Left Out: 126981.724 $\pm$ 0.046	χ^2 /NDF: 530573115.8/24	All: 127744.434 $\pm$ 0.026	χ^2 /NDF: 438149765
Right Out: 129245.504 $\pm$ 0.056	χ^2 /NDF: 712330504.6/19	- sign 127747.945 $\pm$ 0.036	χ^2 /NDF: 2609051702.9
Left In: 126682.659 $\pm$ 0.047	χ^2 /NDF: 660415880.0/22		

yield_bpm0l06WS_rms vs Slug



Right In: 146.401+/-0.043	χ^2/NDF : 1066973.0/16	+ sign 174.968+/-0.026	χ^2/NDF : 2765076.9/41
Left Out: 191.263+/-0.032	χ^2/NDF : 992566.2/24	All: 172.956+/-0.018	χ^2/NDF : 5969216.1/84
Right Out: 141.897+/-0.039	χ^2/NDF : 1394525.6/19	- sign 170.988+/-0.025	χ^2/NDF : 3192004.6/42
Left In: 191.683+/-0.033	χ^2/NDF : 864384.9/22		

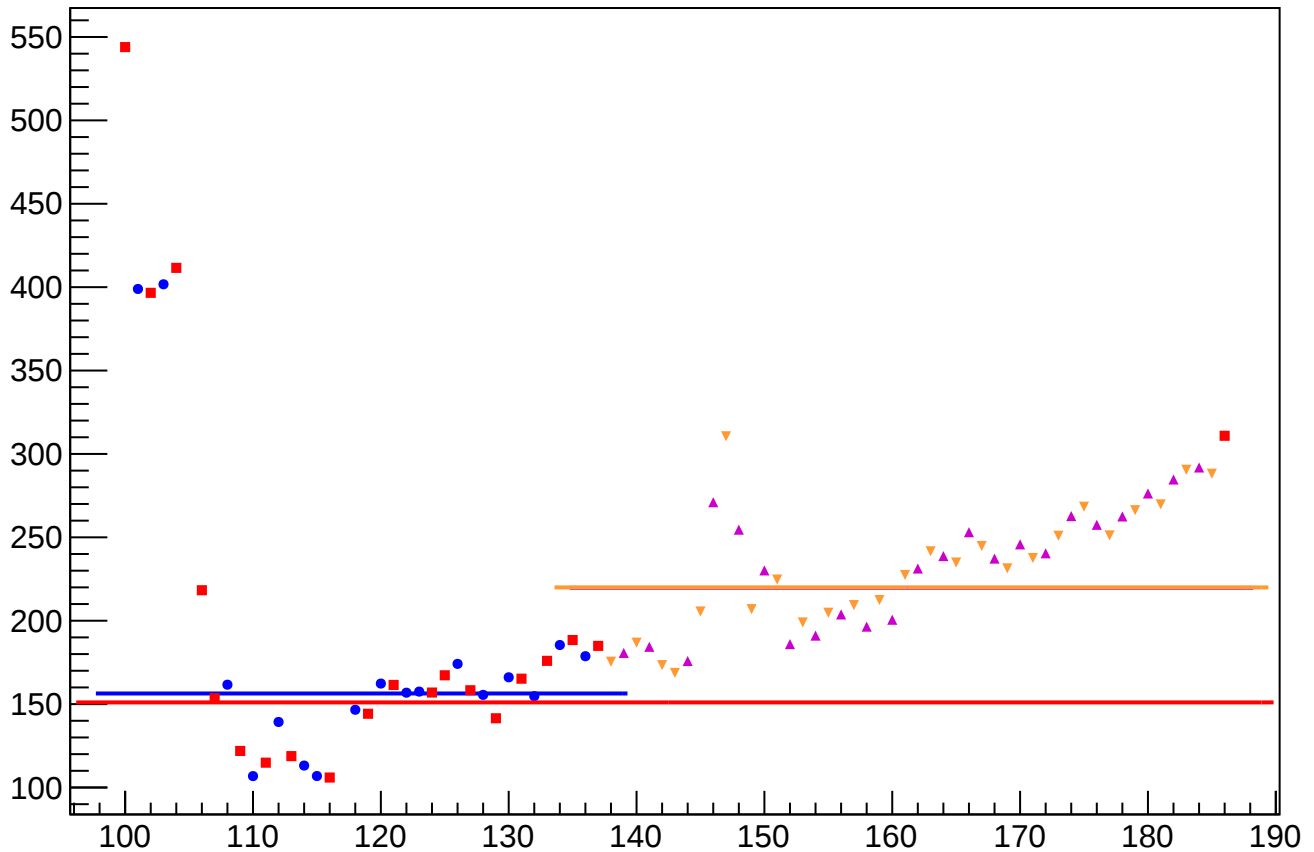
yield_bpm0l07WS_mean vs Slug



Right In: 140401.573 ± 0.064 $\chi^2/\text{NDF}: 88055814.0/16$
 Left Out: 142136.579 ± 0.052 $\chi^2/\text{NDF}: 815573343.0/24$
 Right Out: 140418.247 ± 0.059 $\chi^2/\text{NDF}: 141696132.3/19$
 Left In: 142195.020 ± 0.054 $\chi^2/\text{NDF}: 644030906.9/22$

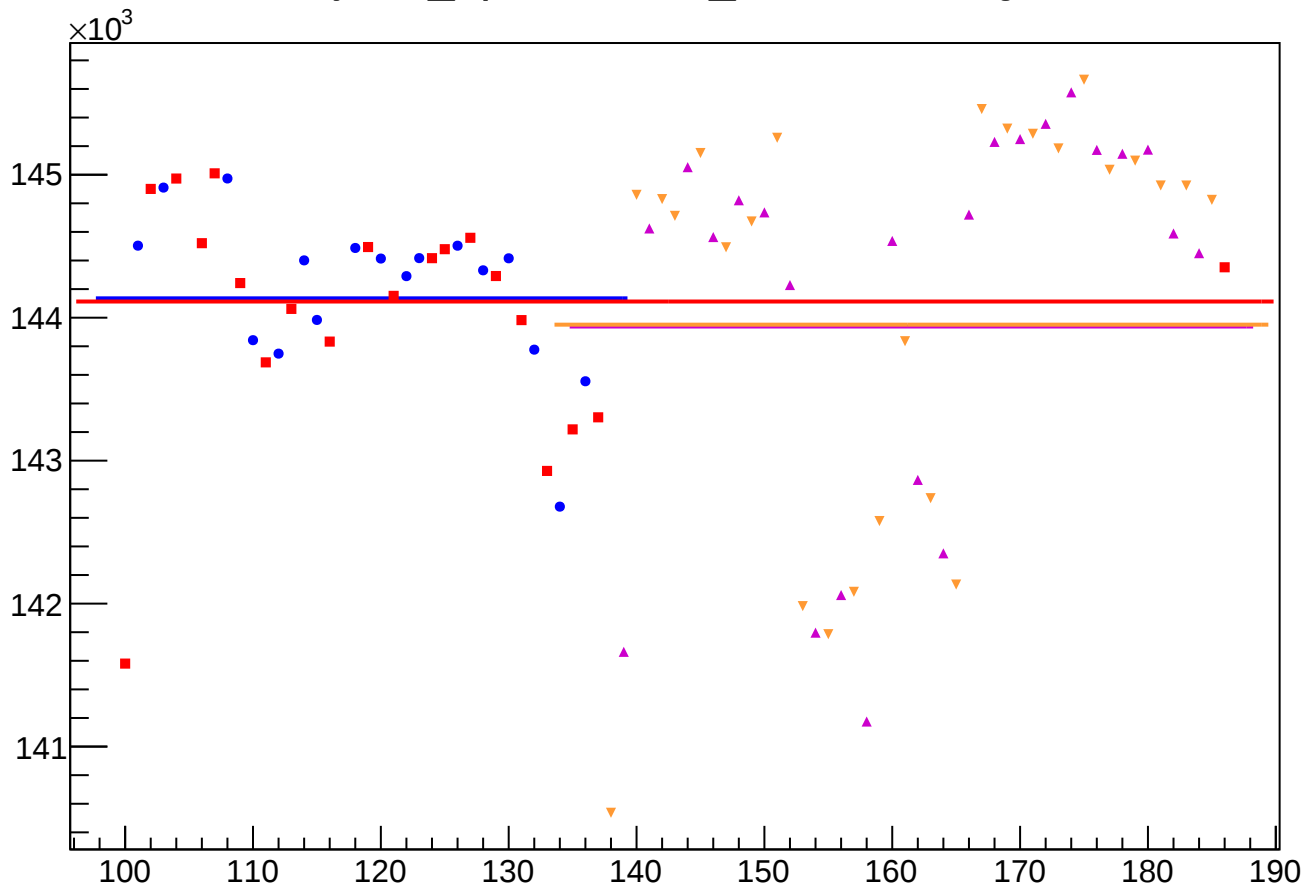
+ sign 141447.467 ± 0.041 $\chi^2/\text{NDF}: 1340312409.0/16$
 All: 141420.459 ± 0.028 $\chi^2/\text{NDF}: 261724970.0/16$
 - sign 141394.378 ± 0.040 $\chi^2/\text{NDF}: 1276068555.2/16$

yield_bpm0l07WS_rms vs Slug



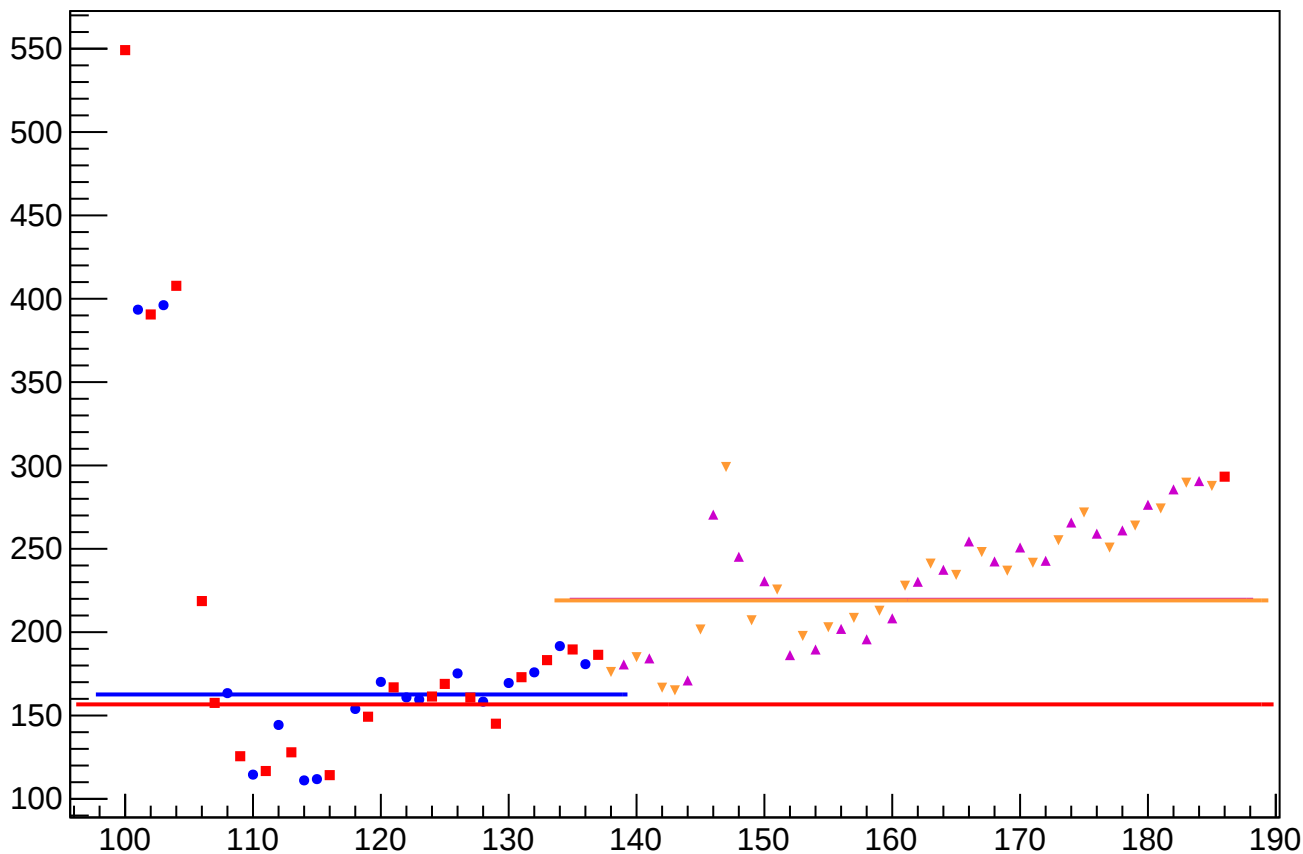
Right In: 156.377+/-0.046	χ^2/NDF : 1154470.5/16	+ sign 194.711+/-0.029	χ^2/NDF : 3194382.1/41
Left Out: 219.969+/-0.037	χ^2/NDF : 866616.3/24	All: 191.676+/-0.020	χ^2/NDF : 6999017.6/84
Right Out: 151.022+/-0.042	χ^2/NDF : 1505366.0/19	- sign 188.744+/-0.028	χ^2/NDF : 3782683.0/42
Left In: 219.685+/-0.038	χ^2/NDF : 812745.1/22		

yield_bpm0l08WS_mean vs Slug



Right In: 144135.363 $\pm$ 0.067	χ^2 /NDF: 47030717.0/16	+ sign 144020.871 $\pm$ 0.041	χ^2 /NDF: 916422863.3/4
Left Out: 143951.284 $\pm$ 0.052	χ^2 /NDF: 864679545.2/24	All: 144017.552 $\pm$ 0.029	χ^2 /NDF: 170632806
Right Out: 144113.174 $\pm$ 0.061	χ^2 /NDF: 65489799.3/19	- sign 144014.336 $\pm$ 0.040	χ^2 /NDF: 789892376.2/4
Left In: 143938.288 $\pm$ 0.054	χ^2 /NDF: 719814685.6/22		

yield_bpm0l08WS_rms vs Slug



Right In: 162.634 $\pm$ 0.047 χ^2 /NDF: 1069524.2/16

Left Out: 219.050 $\pm$ 0.037 χ^2 /NDF: 934417.6/24

Right Out: 156.680 $\pm$ 0.043 χ^2 /NDF: 1381422.2/19

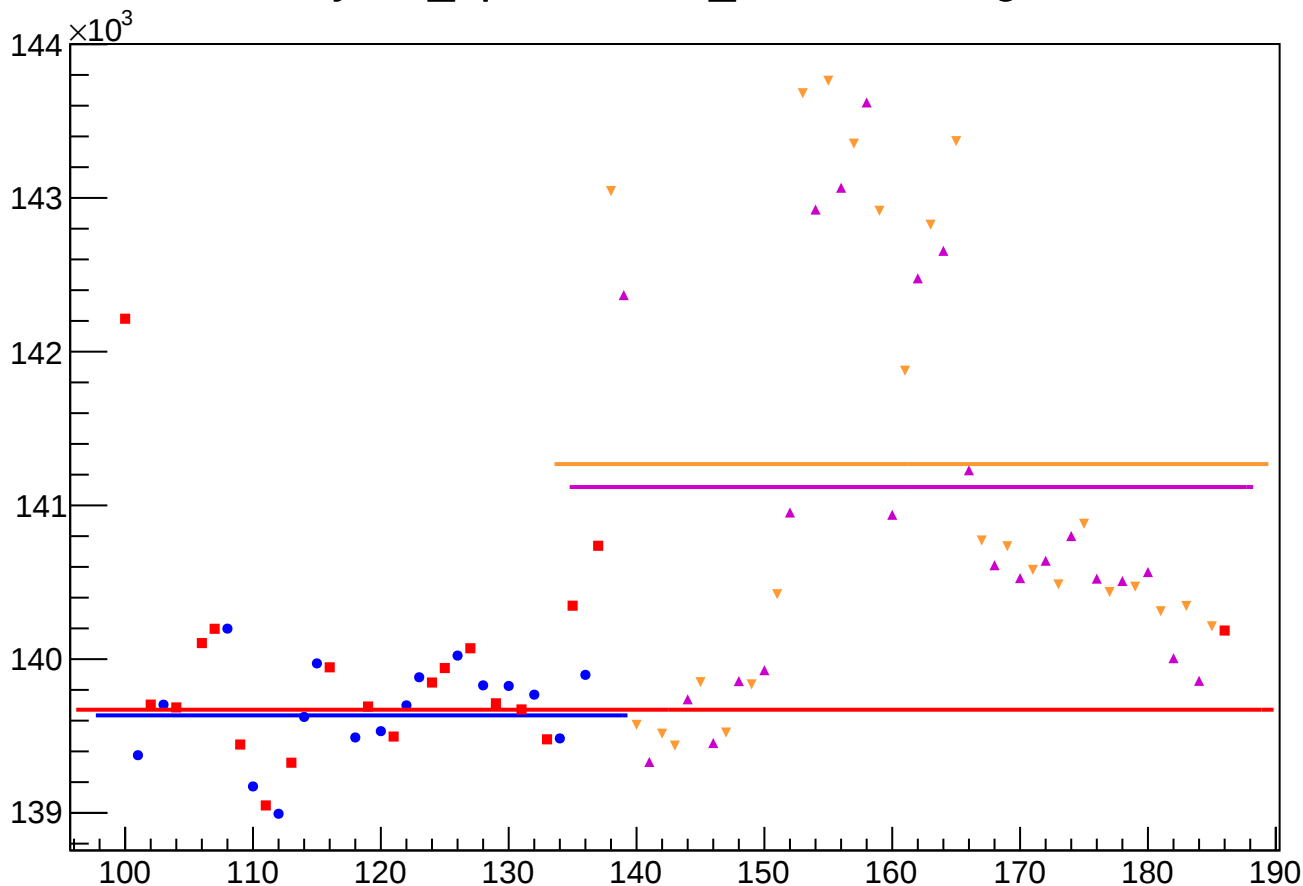
Left In: 219.426 $\pm$ 0.038 χ^2 /NDF: 850089.5/22

+ sign 197.723 $\pm$ 0.029 χ^2 /NDF: 2889216.8/41

All: 194.888 $\pm$ 0.020 χ^2 /NDF: 6320590.8/84

- sign 192.141 $\pm$ 0.029 χ^2 /NDF: 3412653.6/42

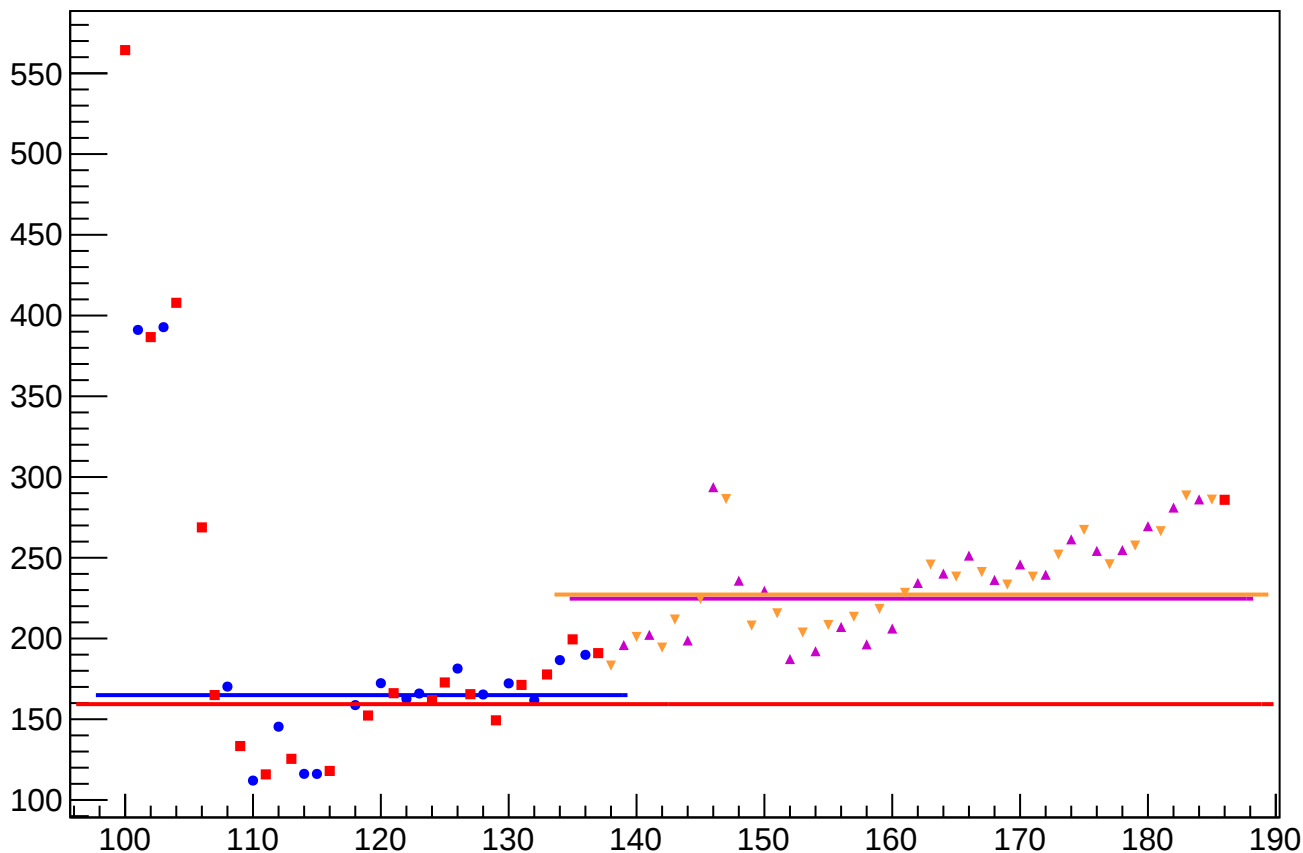
yield_bpm0l09WS_mean vs Slug



Right In: 139634.248 $\pm$ 0.068 χ^2 /NDF: 24816599.6/16
 Left Out: 141268.791 $\pm$ 0.054 χ^2 /NDF: 795989244.2/24
 Right Out: 139671.075 $\pm$ 0.063 χ^2 /NDF: 39588939.4/19
 Left In: 141119.484 $\pm$ 0.055 χ^2 /NDF: 565312728.1/22

+ sign 140640.086 $\pm$ 0.042 χ^2 /NDF: 1177184053.6
 All: 140562.743 $\pm$ 0.029 χ^2 /NDF: 209172309
 - sign 140488.556 $\pm$ 0.041 χ^2 /NDF: 907934263.1/42

yield_bpm0l09WS_rms vs Slug



Right In: 164.938 $\pm$ 0.048 χ^2 /NDF: 1064403.1/16

Left Out: 227.224 $\pm$ 0.038 χ^2 /NDF: 484955.3/24

Right Out: 159.349 $\pm$ 0.044 χ^2 /NDF: 1391767.8/19

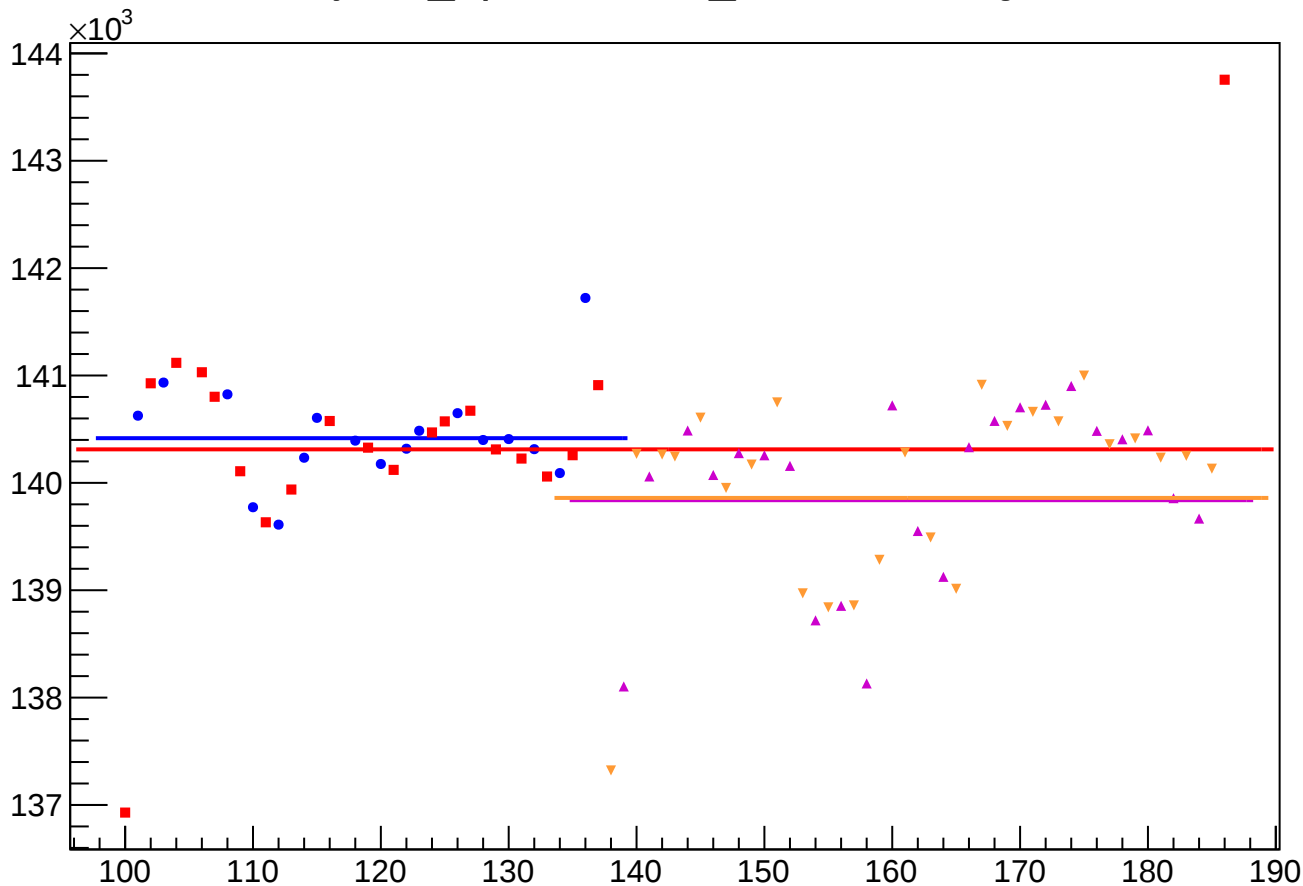
Left In: 224.686 $\pm$ 0.039 χ^2 /NDF: 578366.0/22

+ sign 203.266 $\pm$ 0.030 χ^2 /NDF: 2584343.0/41

All: 199.673 $\pm$ 0.021 χ^2 /NDF: 5816264.0/84

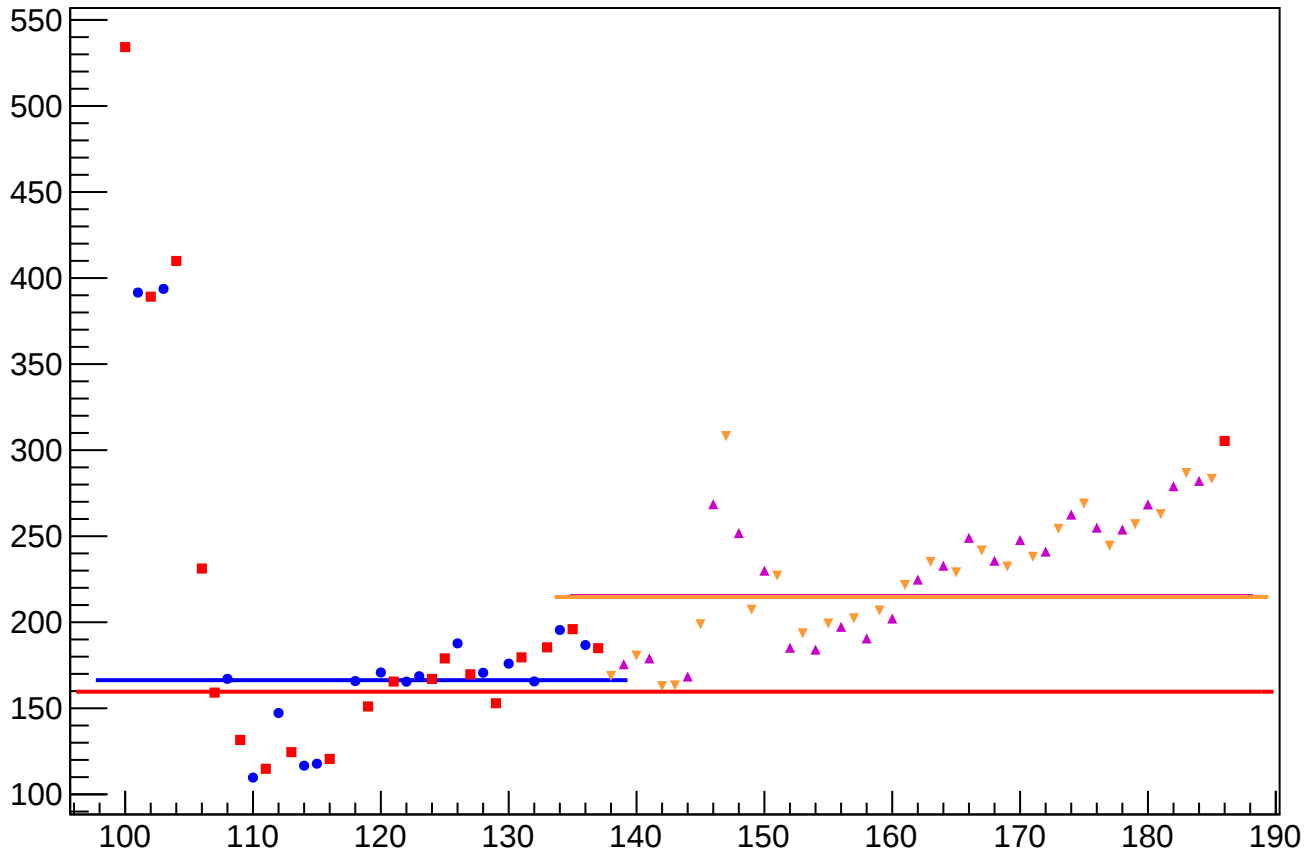
- sign 196.225 $\pm$ 0.029 χ^2 /NDF: 3203400.7/42

yield_bpm0l10WS_mean vs Slug



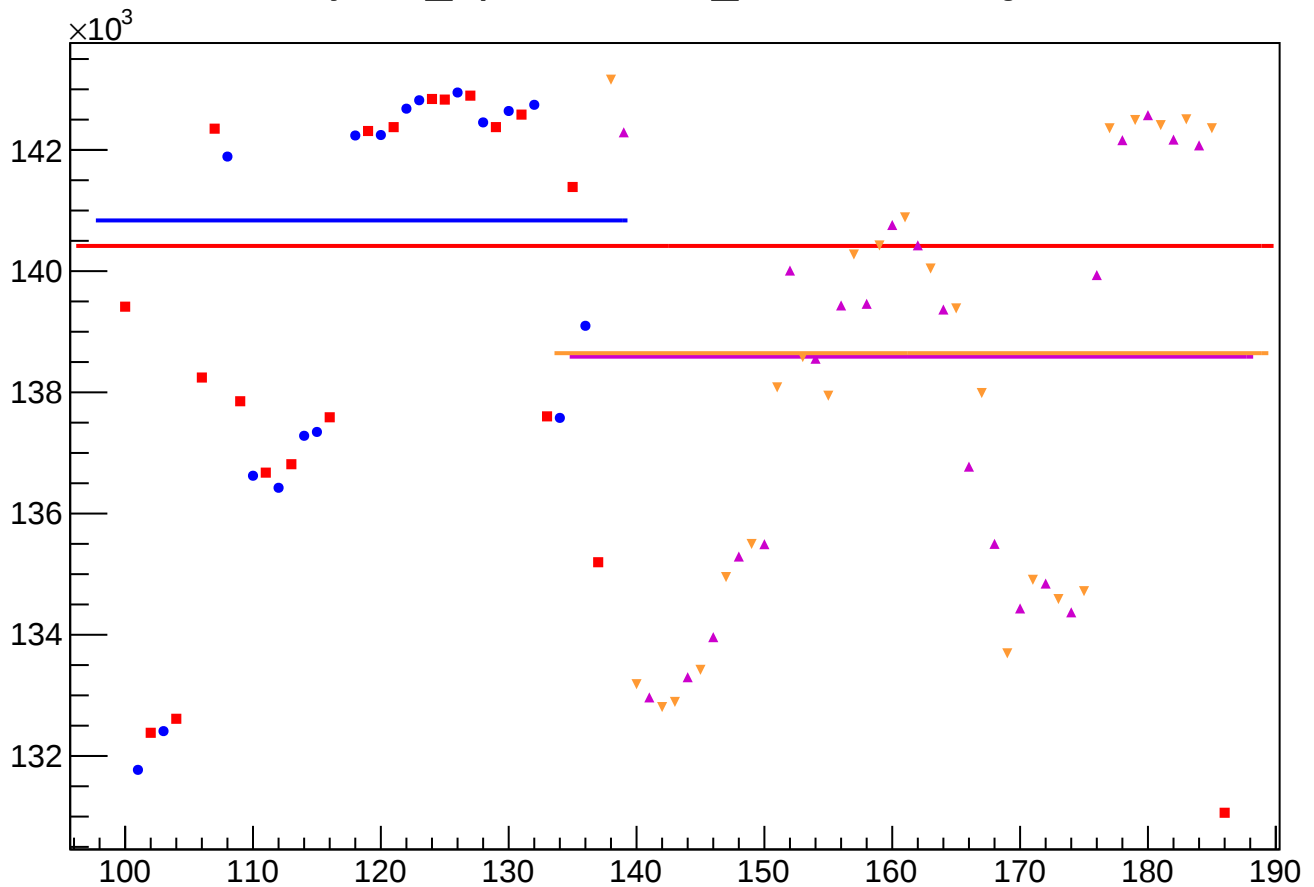
Right In: 140416.183 $\pm$ 0.069	χ^2 /NDF: 69956735.1/16	+ sign 140058.627 $\pm$ 0.041	χ^2 /NDF: 442475091.9/4
Left Out: 139859.696 $\pm$ 0.051	χ^2 /NDF: 330118281.5/24	All: 140046.761 $\pm$ 0.029	χ^2 /NDF: 842236402
Right Out: 140312.085 $\pm$ 0.063	χ^2 /NDF: 86654919.6/19	- sign 140035.229 $\pm$ 0.040	χ^2 /NDF: 399595808.8/4
Left In: 139838.724 $\pm$ 0.053	χ^2 /NDF: 279573689.3/22		

yield_bpm0l10WS_rms vs Slug



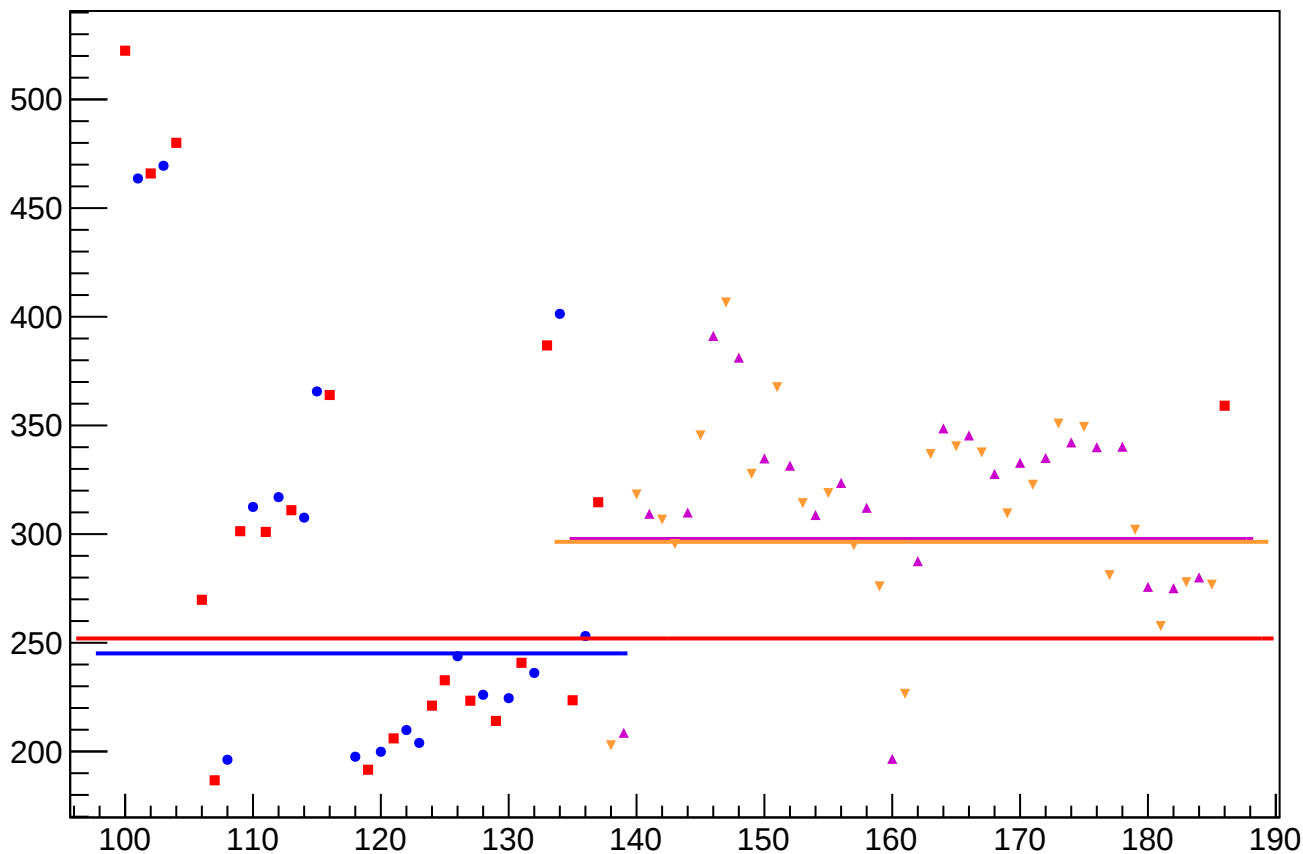
Right In: 166.338 $\pm$ 0.048	χ^2 /NDF: 1081005.6/16	+ sign 197.407 $\pm$ 0.029	χ^2 /NDF: 2702391.8/41
Left Out: 214.693 $\pm$ 0.036	χ^2 /NDF: 981105.5/24	All: 194.742 $\pm$ 0.020	χ^2 /NDF: 5921164.0/84
Right Out: 159.650 $\pm$ 0.044	χ^2 /NDF: 1400370.0/19	- sign 192.152 $\pm$ 0.029	χ^2 /NDF: 3202079.1/42
Left In: 215.222 $\pm$ 0.037	χ^2 /NDF: 881945.0/22		

yield_bpm0r03WS_mean vs Slug



Right In: 140836.633 $\pm$ 0.100	χ^2 /NDF: 821253018.3/16	+ sign 139376.682 $\pm$ 0.058	χ^2 /NDF: 3688548819.5
Left Out: 138646.366 $\pm$ 0.071	χ^2 /NDF: 2548637600.4/24	All: 139314.668 $\pm$ 0.041	χ^2 /NDF: 695985286
Right Out: 140415.944 $\pm$ 0.098	χ^2 /NDF: 1098037520.0/19	- sign 139250.526 $\pm$ 0.059	χ^2 /NDF: 3268965870.8/
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: 296.464 $\pm$ 0.050 χ^2 /NDF:893579.7/24

Right Out: 251.992 $\pm$ 0.069 χ^2 /NDF: 1078759.6/19

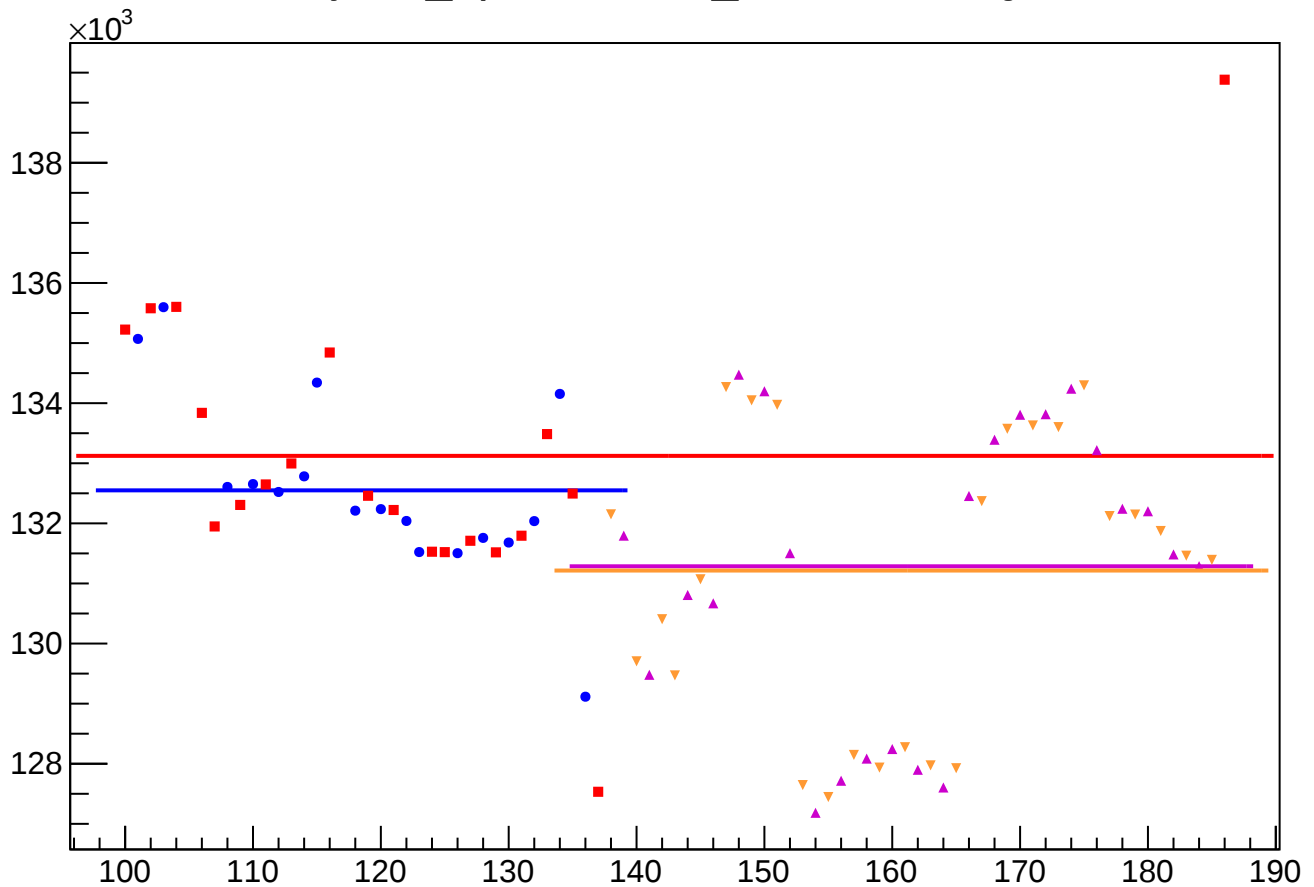
Left In: 297.774 $\pm$ 0.052 χ^2 /NDF:1061489.5/22

+ sign 279.343 $\pm$ 0.041 χ^2 /NDF: 2111900.1/41

All: 280.252 $\pm$ 0.029 χ^2 /NDF: 4532973.8/84

- sign 281.192 $\pm$ 0.042 χ^2 /NDF: 2420069.2/42

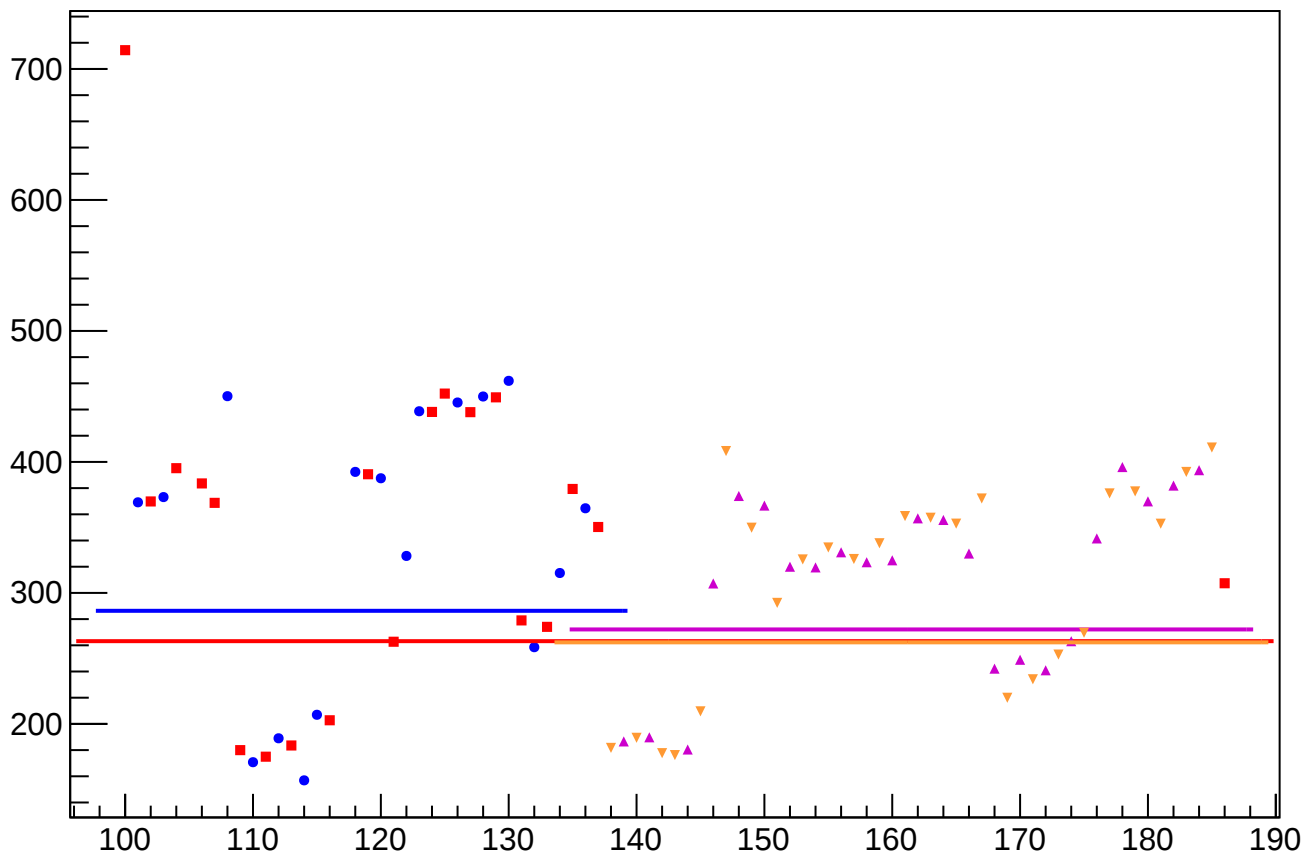
yield_bpm0r05WS_mean vs Slug



Right In: 132549.335 $\pm$ 0.120 $\chi^2/NDF: 161038742.0/16$
 Left Out: 131214.985 $\pm$ 0.064 $\chi^2/NDF: 117342449.6/24$
 Right Out: 133123.173 $\pm$ 0.105 $\chi^2/NDF: 312614101.8/19$
 Left In: 131285.623 $\pm$ 0.068 $\chi^2/NDF: 105623219.2/22$

+ sign 131514.133 $\pm$ 0.057 $\chi^2/NDF: 1430961337.3$
 All: 131672.649 $\pm$ 0.040 $\chi^2/NDF: 303158273$
 - sign 131834.420 $\pm$ 0.057 $\chi^2/NDF: 1584800815.4$

yield_bpm0r05WS_rms vs Slug



Right In: 286.338 ± 0.085 χ^2/NDF : 1514049.7/16

Left Out: 262.260 ± 0.045 χ^2/NDF : 2818169.1/24

Right Out: 263.162 ± 0.074 χ^2/NDF : 1630639.6/19

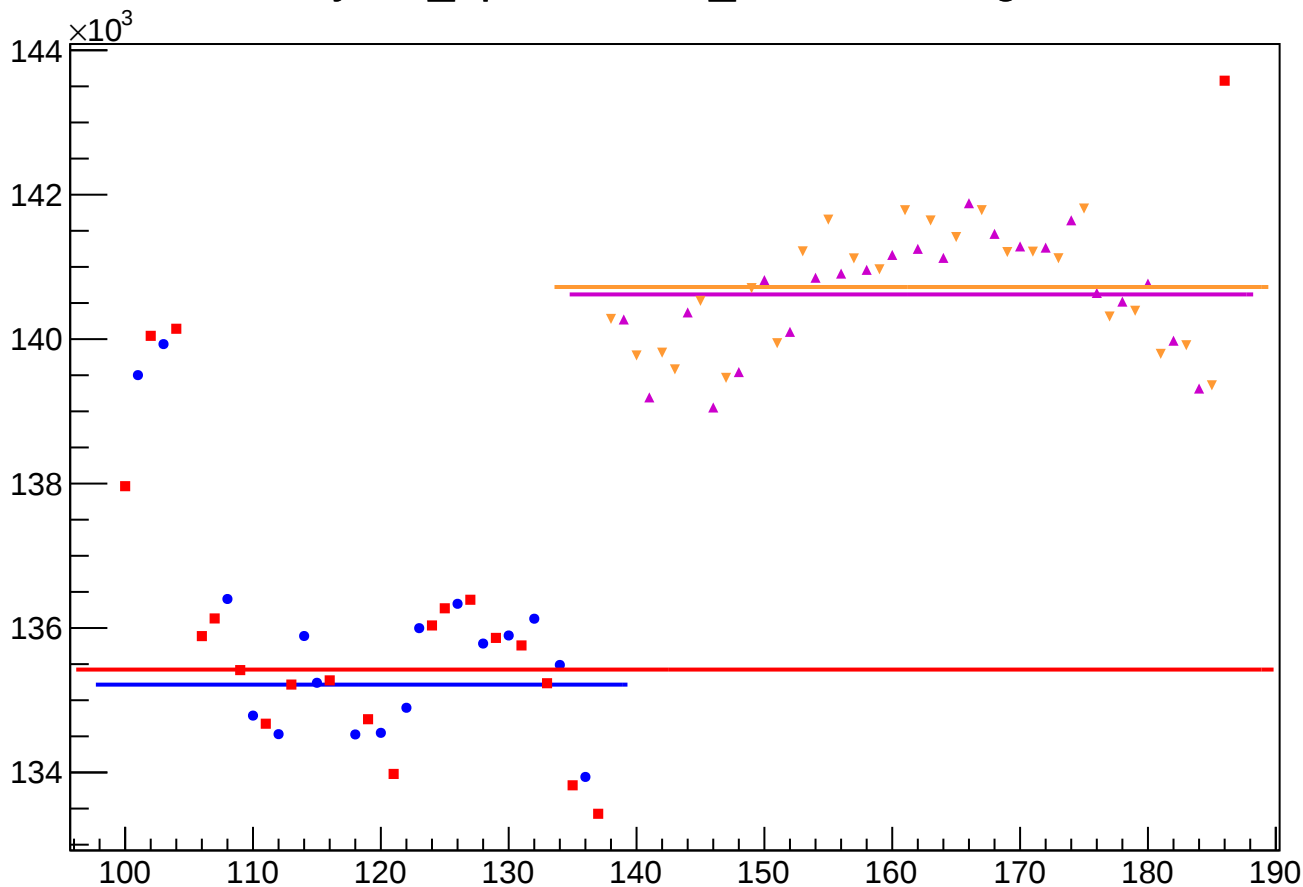
Left In: 272.115 ± 0.048 χ^2/NDF : 2221925.0/22

+ sign 267.658 ± 0.040 χ^2/NDF : 4395060.8/41

All: 268.540 ± 0.028 χ^2/NDF : 8258857.7/84

- sign 269.441 ± 0.040 χ^2/NDF : 3862815.9/42

yield_bpm0i02WS_mean vs Slug



Right In: 135216.054 ± 0.054 $\chi^2/\text{NDF}: 371419425.6/16$

Left Out: 140721.823 ± 0.048 $\chi^2/\text{NDF}: 247257762.8/24$

Right Out: 135424.591 ± 0.051 $\chi^2/\text{NDF}: 736798972.8/19$

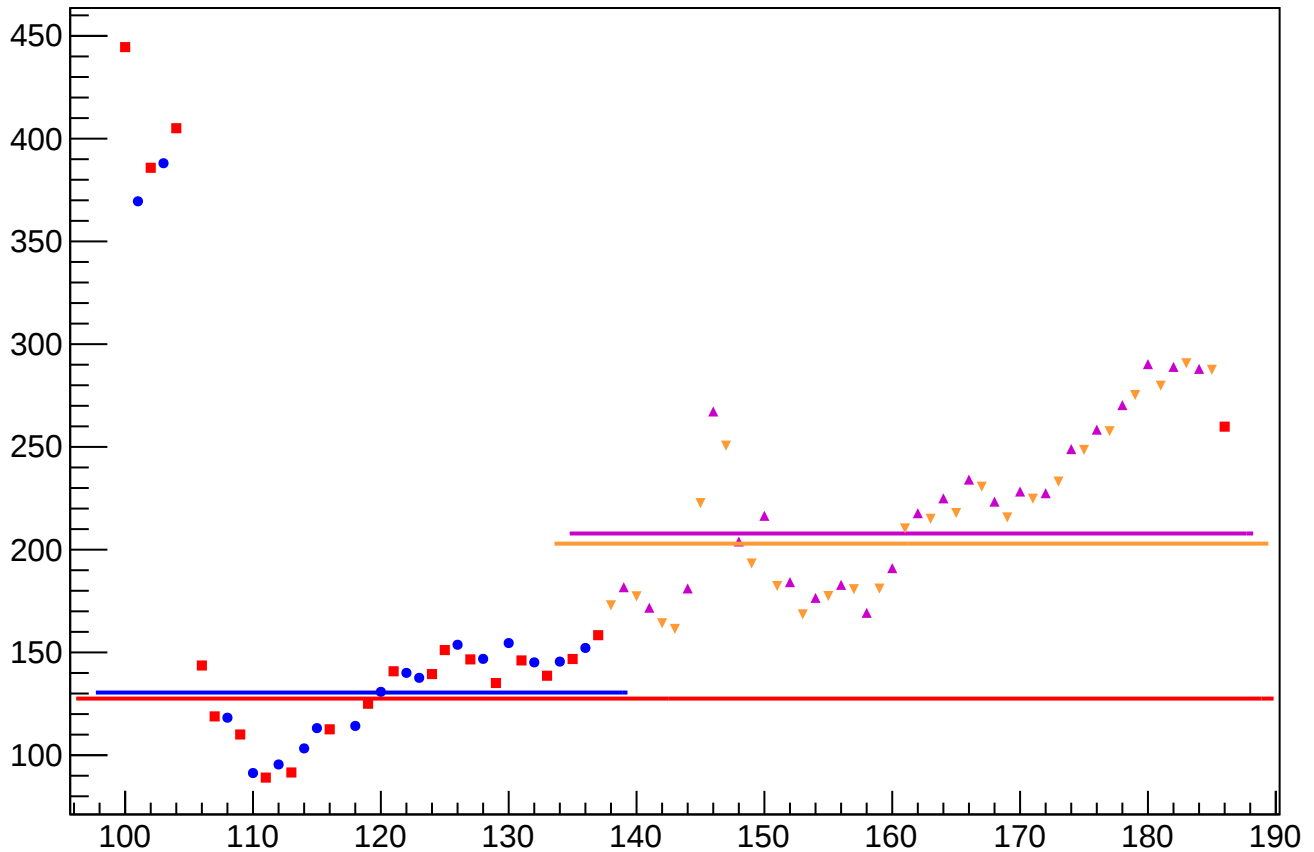
Left In: 140619.038 ± 0.051 $\chi^2/\text{NDF}: 200370178.0/22$

+ sign 138290.409 ± 0.036 $\chi^2/\text{NDF}: 6331734331.8$

All: 138147.808 ± 0.026 $\chi^2/\text{NDF}: 125000304$

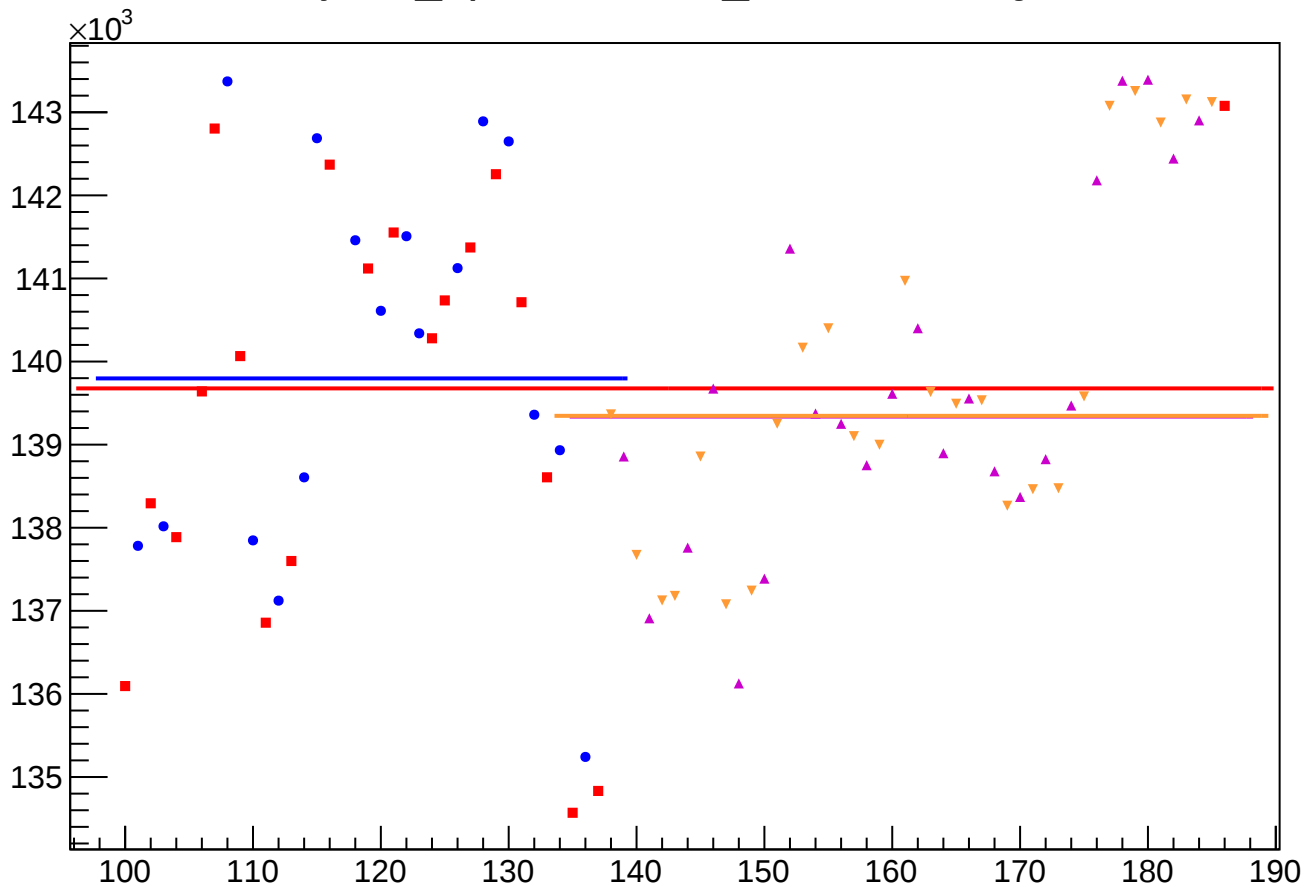
- sign 138006.435 ± 0.036 $\chi^2/\text{NDF}: 6137346162.1$

yield_bpm0i02WS_rms vs Slug



Right In: 130.478+/-0.038	χ^2/NDF : 1372969.9/16	+ sign 170.936+/-0.026	χ^2/NDF : 4404120.1/41
Left Out: 202.934+/-0.034	χ^2/NDF : 1052283.6/24	All: 169.195+/-0.018	χ^2/NDF : 9484512.6/84
Right Out: 127.541+/-0.036	χ^2/NDF : 1634654.1/19	- sign 167.469+/-0.025	χ^2/NDF : 5071162.7/42
Left In: 207.872+/-0.036	χ^2/NDF : 949200.3/22		

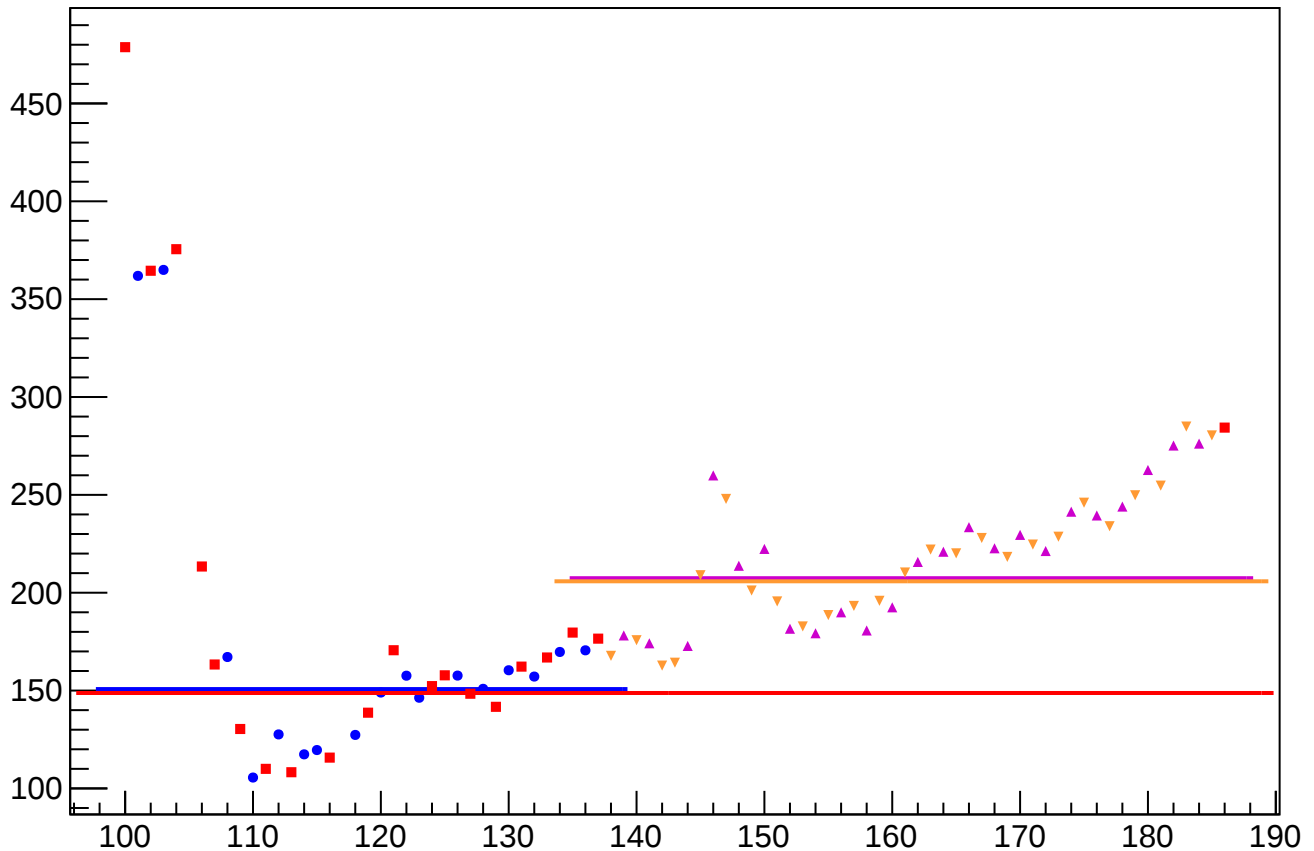
yield_bpm0i02aWS_mean vs Slug



Right In: 139796.979 $\pm$ 0.062 χ^2 /NDF: 1668151198.8/16
 Left Out: 139346.604 $\pm$ 0.049 χ^2 /NDF: 1271172976.7/24
 Right Out: 139676.830 $\pm$ 0.059 χ^2 /NDF: 1559645300.0/19
 Left In: 139337.874 $\pm$ 0.051 χ^2 /NDF: 1293003954.9/22

+ sign 139519.411 $\pm$ 0.038 χ^2 /NDF: 2971785211.1
 All: 139501.430 $\pm$ 0.027 χ^2 /NDF: 58439685
 - sign 139483.491 $\pm$ 0.038 χ^2 /NDF: 2871746249.8

yield_bpm0i02aWS_rms vs Slug



Right In: 150.766 $\pm$ 0.044 χ^2 /NDF: 1050110.5/16

Left Out: 205.833 $\pm$ 0.035 χ^2 /NDF: 738666.4/24

Right Out: 148.764 $\pm$ 0.041 χ^2 /NDF: 1376110.1/19

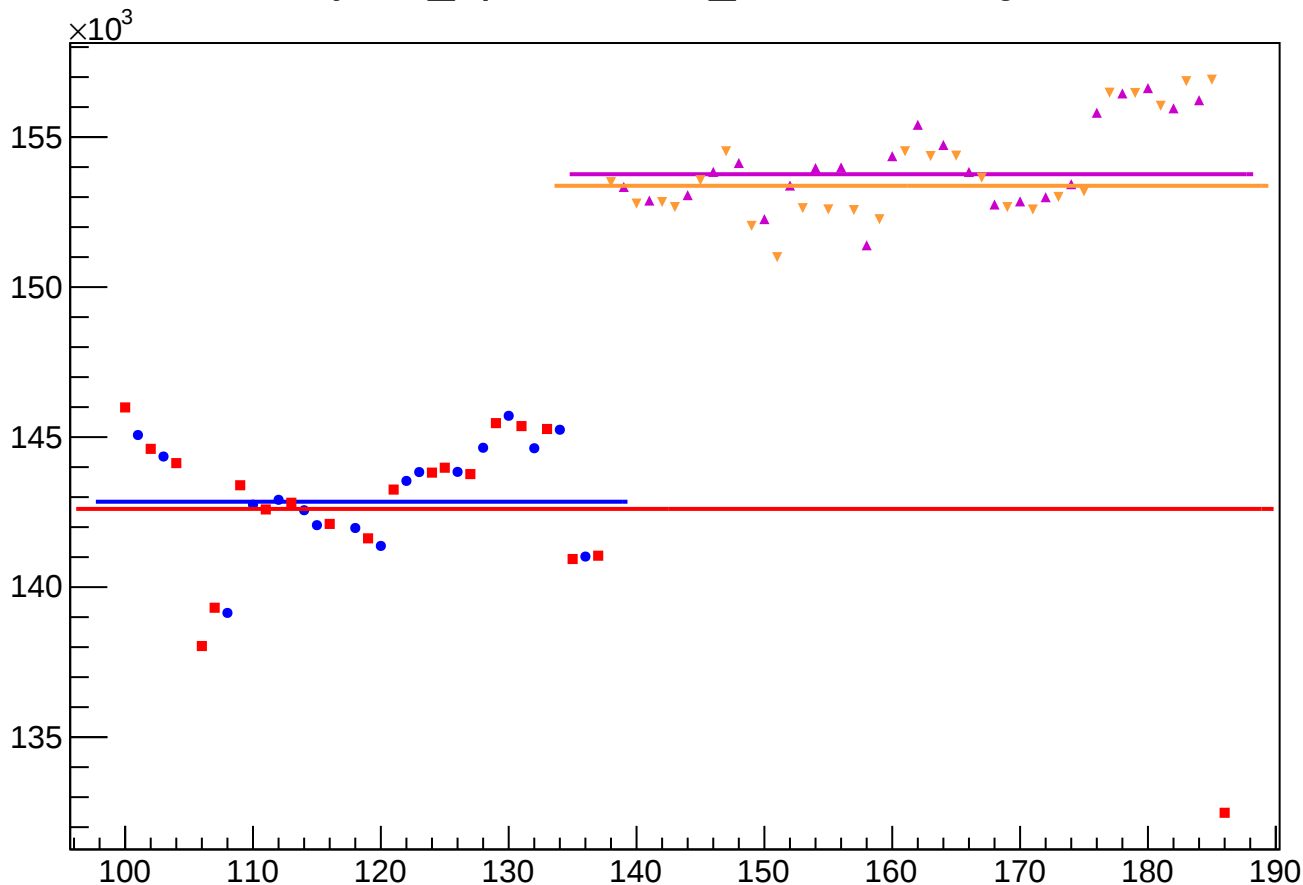
Left In: 207.416 $\pm$ 0.036 χ^2 /NDF: 701955.3/22

+ sign 184.704 $\pm$ 0.027 χ^2 /NDF: 2759334.6/41

All: 183.460 $\pm$ 0.019 χ^2 /NDF: 5985183.6/84

- sign 182.219 $\pm$ 0.027 χ^2 /NDF: 3221665.6/42

yield_bpm0i05WS_mean vs Slug



Right In: 142846.769 $\pm$ 0.065 χ^2/NDF : 735751313.8/16

Left Out: 153376.698 $\pm$ 0.050 χ^2/NDF : 803848095.1/24

Right Out: 142607.187 $\pm$ 0.060 χ^2/NDF : 1535799823.2/19

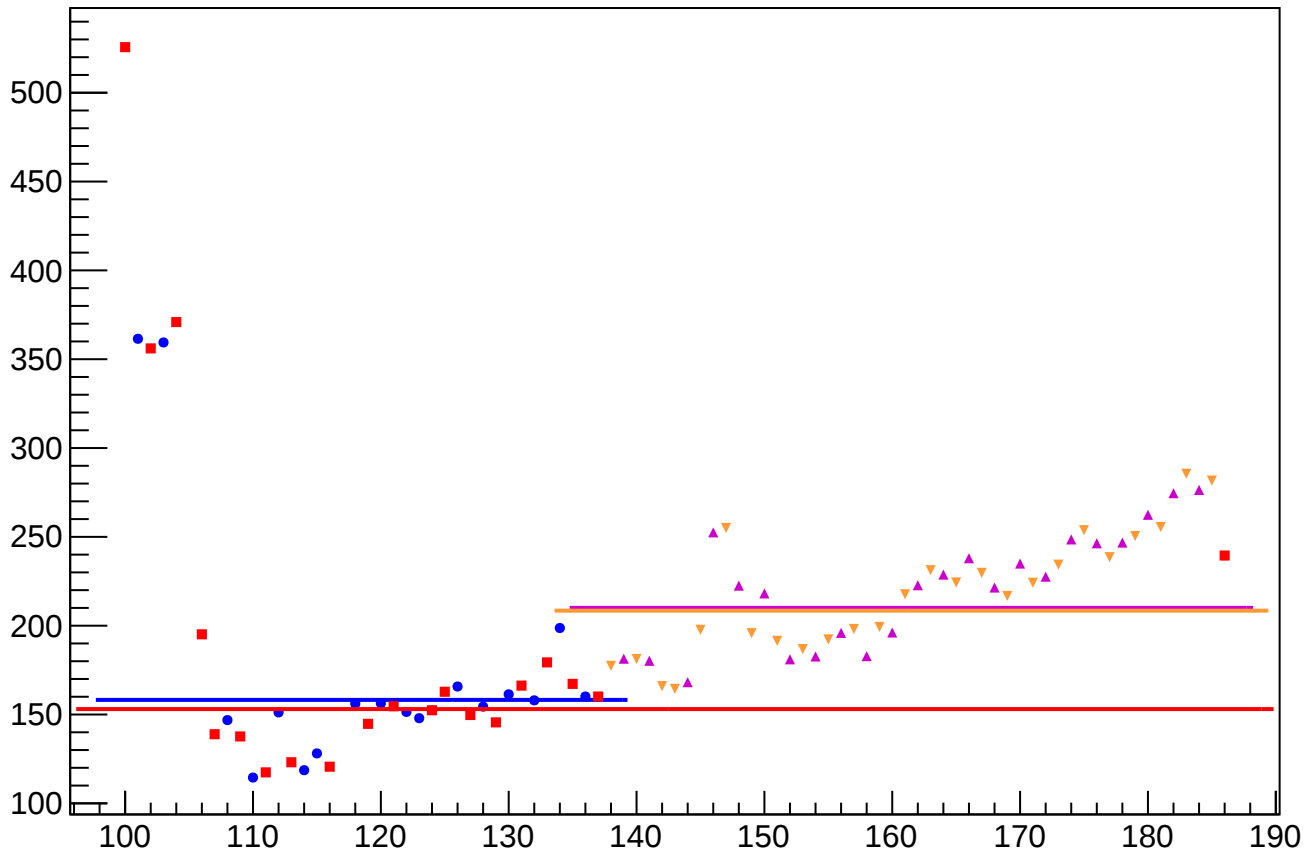
Left In: 153762.419 $\pm$ 0.051 χ^2/NDF : 635075685.0/22

+ sign 149491.726 $\pm$ 0.039 χ^2/NDF : 18211120605.4

All: 149248.109 $\pm$ 0.028 χ^2/NDF : 404915967.4

- sign 149009.136 $\pm$ 0.039 χ^2/NDF : 22204551965.4

yield_bpm0i05WS_rms vs Slug



Right In: 158.235 ± 0.046 χ^2/NDF : 883619.5/16

Left Out: 208.466 ± 0.035 χ^2/NDF : 720894.7/24

Right Out: 153.060 ± 0.042 χ^2/NDF : 1100524.0/19

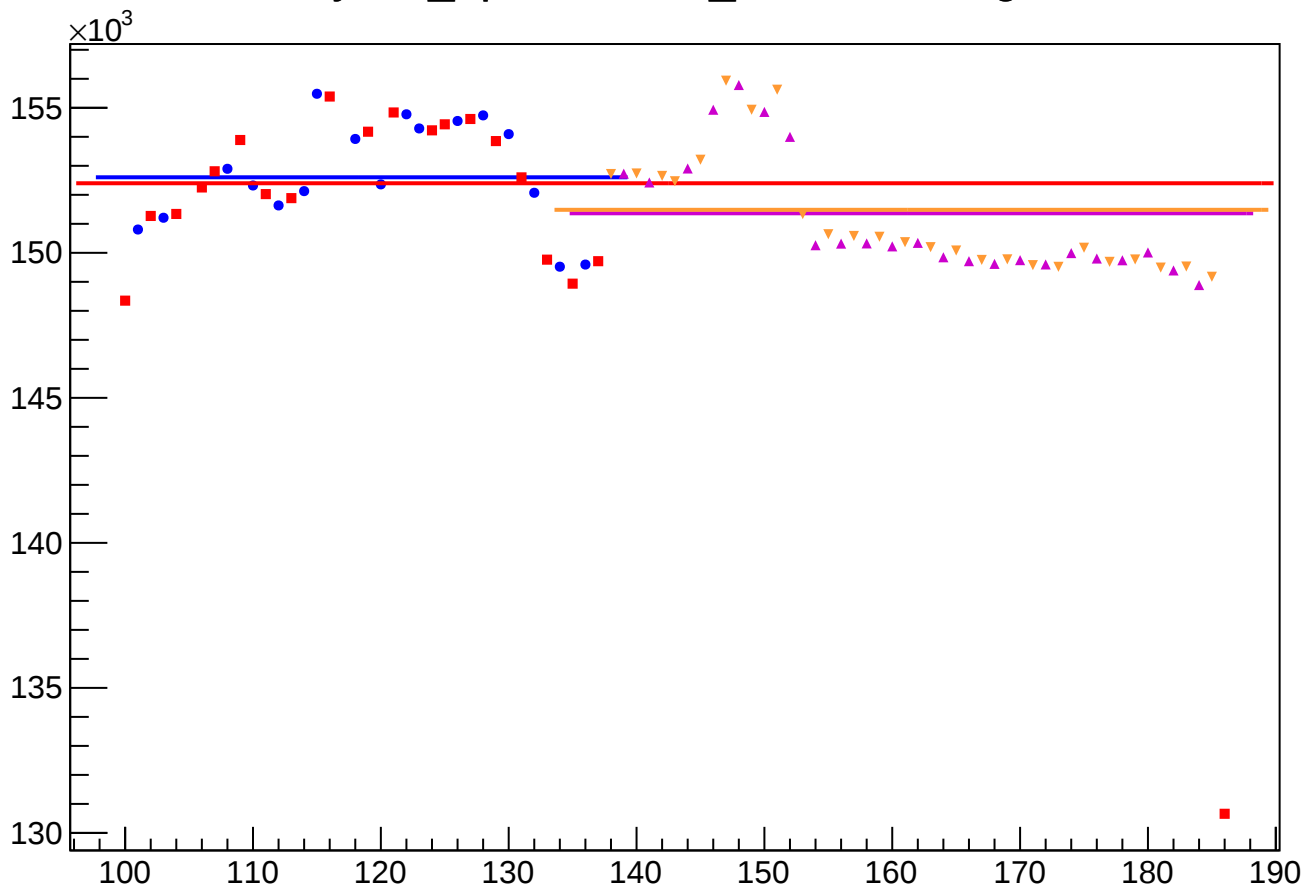
Left In: 210.038 ± 0.036 χ^2/NDF : 702369.5/22

+ sign 189.933 ± 0.028 χ^2/NDF : 2363269.5/41

All: 187.826 ± 0.020 χ^2/NDF : 5222824.6/84

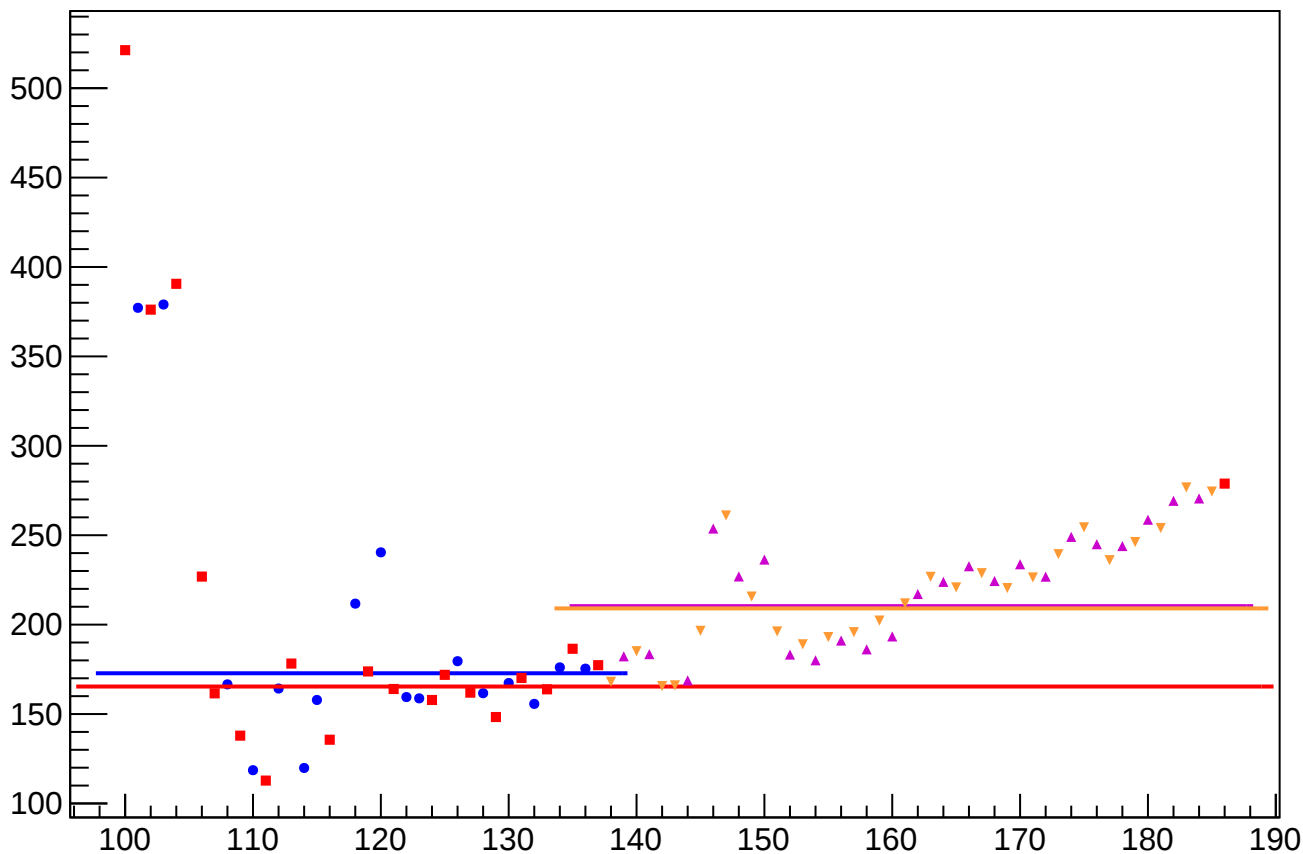
- sign 185.759 ± 0.028 χ^2/NDF : 2848196.5/42

yield_bpm0i07WS_mean vs Slug



Right In: 152604.406 $\pm$ 0.072 χ^2 /NDF: 616818062.6/16
 Left Out: 151483.385 $\pm$ 0.050 χ^2 /NDF: 1481910066.9/24
 Right Out: 152398.637 $\pm$ 0.066 χ^2 /NDF: 3077161503.7/19
 Left In: 151363.165 $\pm$ 0.051 χ^2 /NDF: 1421662089.0/22
 All: 151799.115 $\pm$ 0.029 χ^2 /NDF: 691796269.0/44
 + sign 151841.571 $\pm$ 0.041 χ^2 /NDF: 2262454469.0/44
 - sign 151757.497 $\pm$ 0.040 χ^2 /NDF: 4653369404.3/44

yield_bpm0i07WS_rms vs Slug



Right In: 172.803 $\pm$ 0.051 χ^2 /NDF: 945652.6/16

Left Out: 209.076 $\pm$ 0.035 χ^2 /NDF: 708260.3/24

Right Out: 165.384 $\pm$ 0.046 χ^2 /NDF: 1160671.2/19

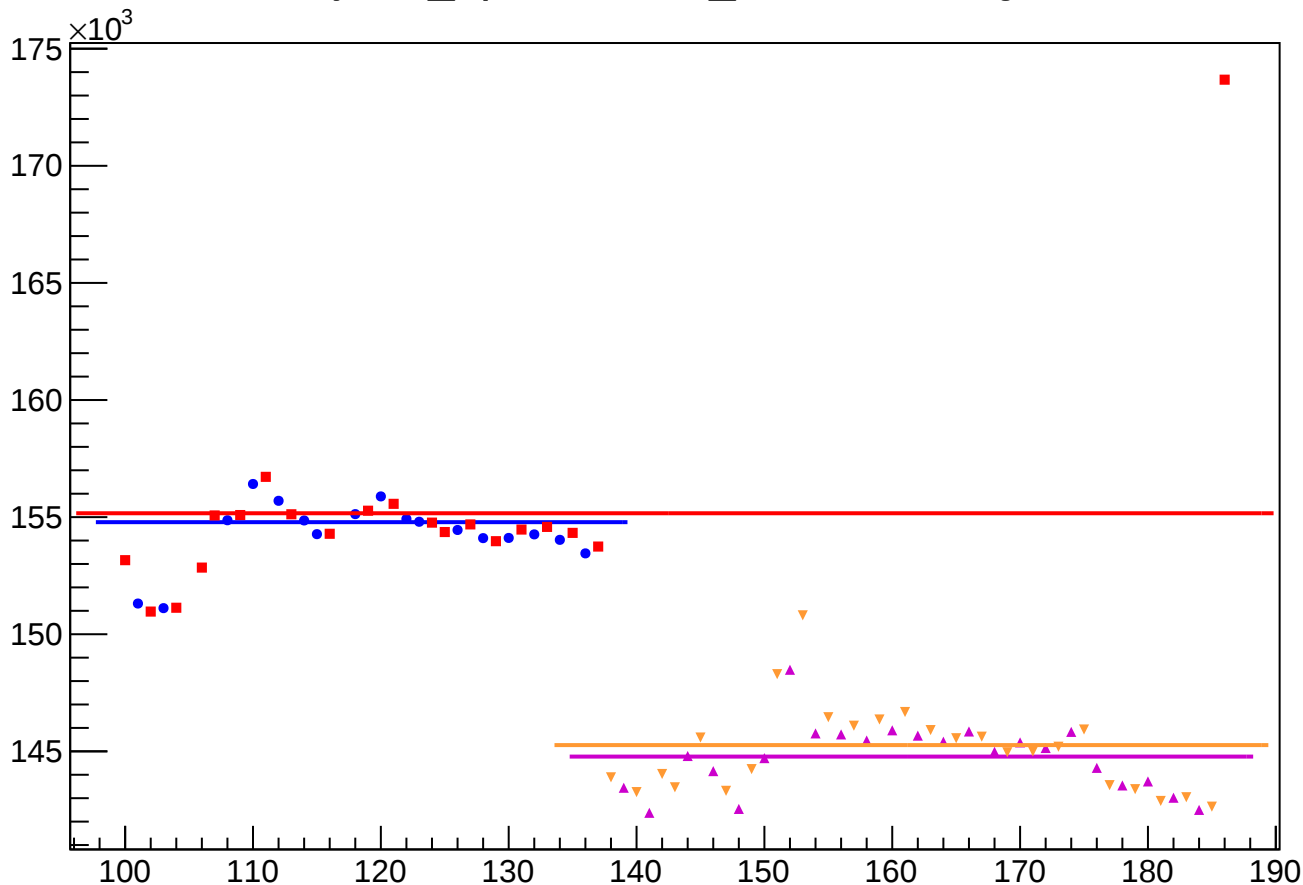
Left In: 210.345 $\pm$ 0.036 χ^2 /NDF: 677747.7/22

+ sign 197.486 $\pm$ 0.029 χ^2 /NDF: 1996750.5/41

All: 195.333 $\pm$ 0.020 χ^2 /NDF: 4428911.7/84

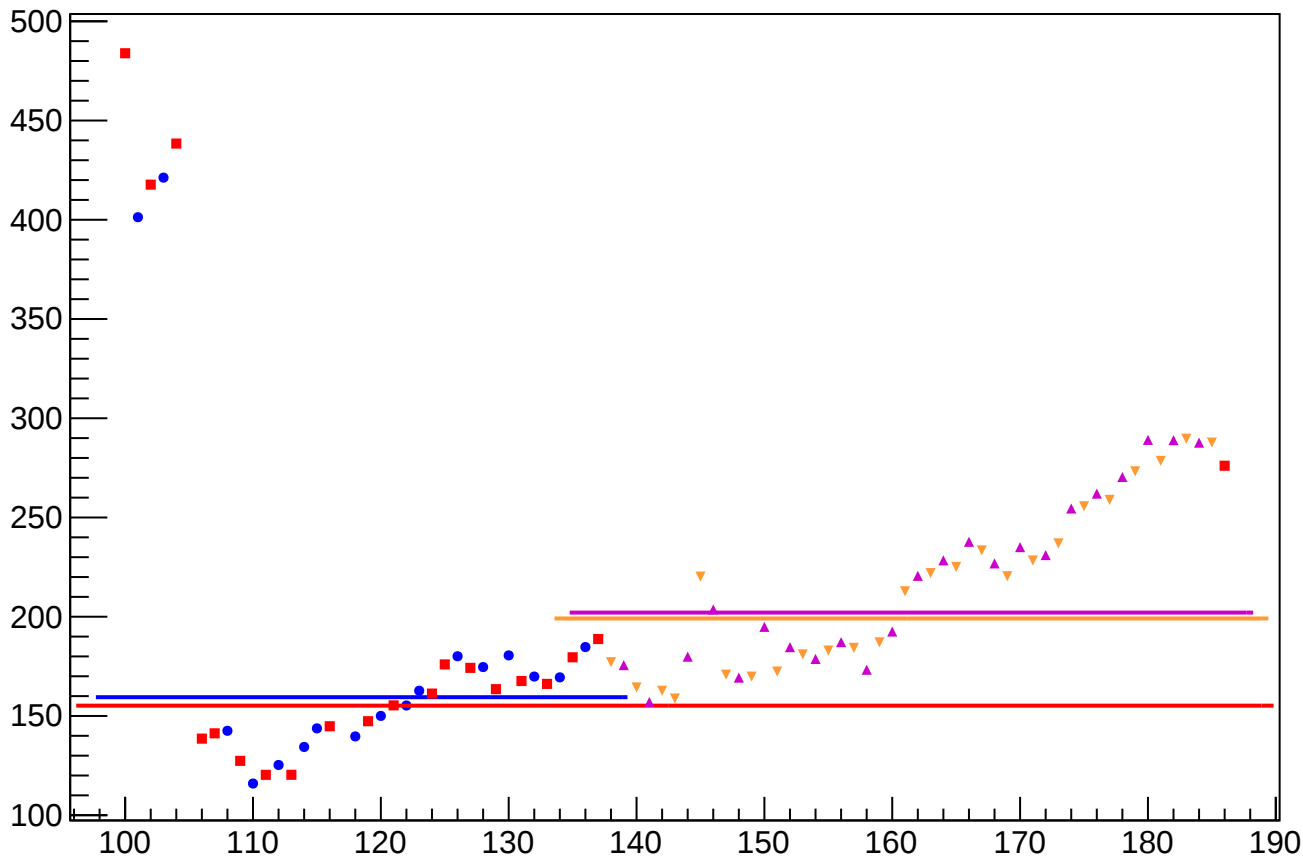
- sign 193.223 $\pm$ 0.029 χ^2 /NDF: 2421161.1/42

yield_bpm1i02WS_mean vs Slug



Right In: 154784.970 $\pm$ 0.065	χ^2 /NDF: 265445259.7/16	+ sign 148539.299 $\pm$ 0.038	χ^2 /NDF: 15850925065.
Left Out: 145266.717 $\pm$ 0.047	χ^2 /NDF: 1717707352.7/24	All: 148750.641 $\pm$ 0.027	χ^2 /NDF: 365685439
Right Out: 155165.366 $\pm$ 0.060	χ^2 /NDF: 2037123651.3/19	- sign 148960.967 $\pm$ 0.038	χ^2 /NDF: 20657155494.4
Left In: 144776.016 $\pm$ 0.050	χ^2 /NDF: 918120275.4/22		

yield_bpm1i02WS_rms vs Slug



Right In: 159.460 +/- 0.046 χ^2/NDF : 1131650.0/16

Left Out: 199.118 +/- 0.034 χ^2/NDF : 1152231.0/24

Right Out: 155.201 +/- 0.043 χ^2/NDF : 1318465.4/19

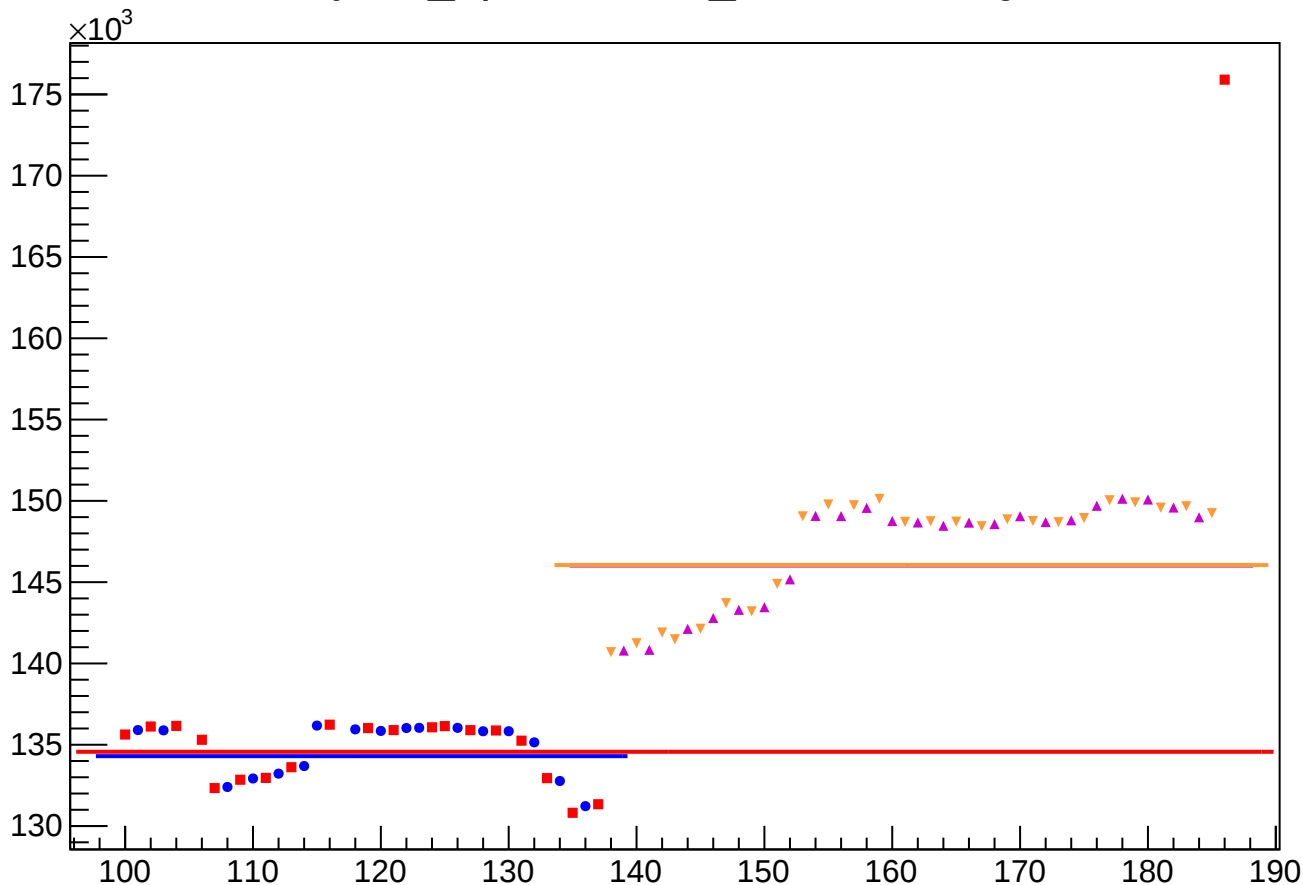
Left In: 202.090 +/- 0.035 χ^2/NDF : 1057833.2/22

+ sign 185.483 +/- 0.027 χ^2/NDF : 2765376.3/41

All: 184.340 +/- 0.019 χ^2/NDF : 5866361.6/84

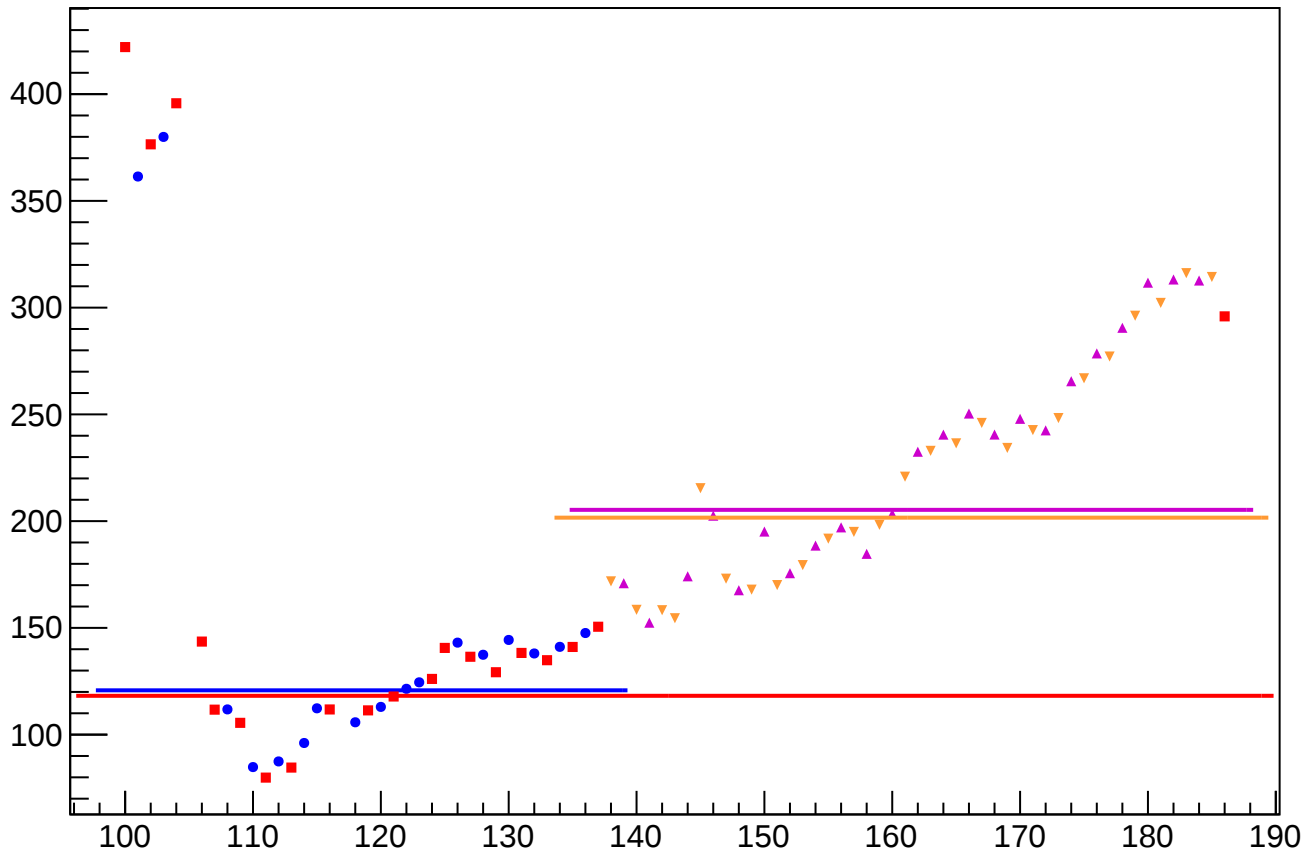
- sign 183.203 +/- 0.027 χ^2/NDF : 3097449.5/42

yield_bpm1i04WS_mean vs Slug



Right In: 134297.022 $\pm$ 0.050 χ^2 /NDF: 1147567257.7/16
 Left Out: 146051.733 $\pm$ 0.048 χ^2 /NDF: 5403300123.1/24
 Right Out: 134567.970 $\pm$ 0.047 χ^2 /NDF: 8703609029.6/19
 Left In: 146020.015 $\pm$ 0.051 χ^2 /NDF: 4591425371.4/22
 All: 140152.663 $\pm$ 0.025 χ^2 /NDF: 756930543
 + sign 140423.565 $\pm$ 0.035 χ^2 /NDF: 34904520733.
 - sign 139887.197 $\pm$ 0.035 χ^2 /NDF: 40669051820.6

yield_bpm1i04WS_rms vs Slug



Right In: 120.752 $\pm$ 0.036 χ^2 /NDF: 1465247.5/16

Left Out: 201.632 $\pm$ 0.034 χ^2 /NDF:1589564.0/24

Right Out: 118.187 $\pm$ 0.033 χ^2 /NDF: 1812624.0/19

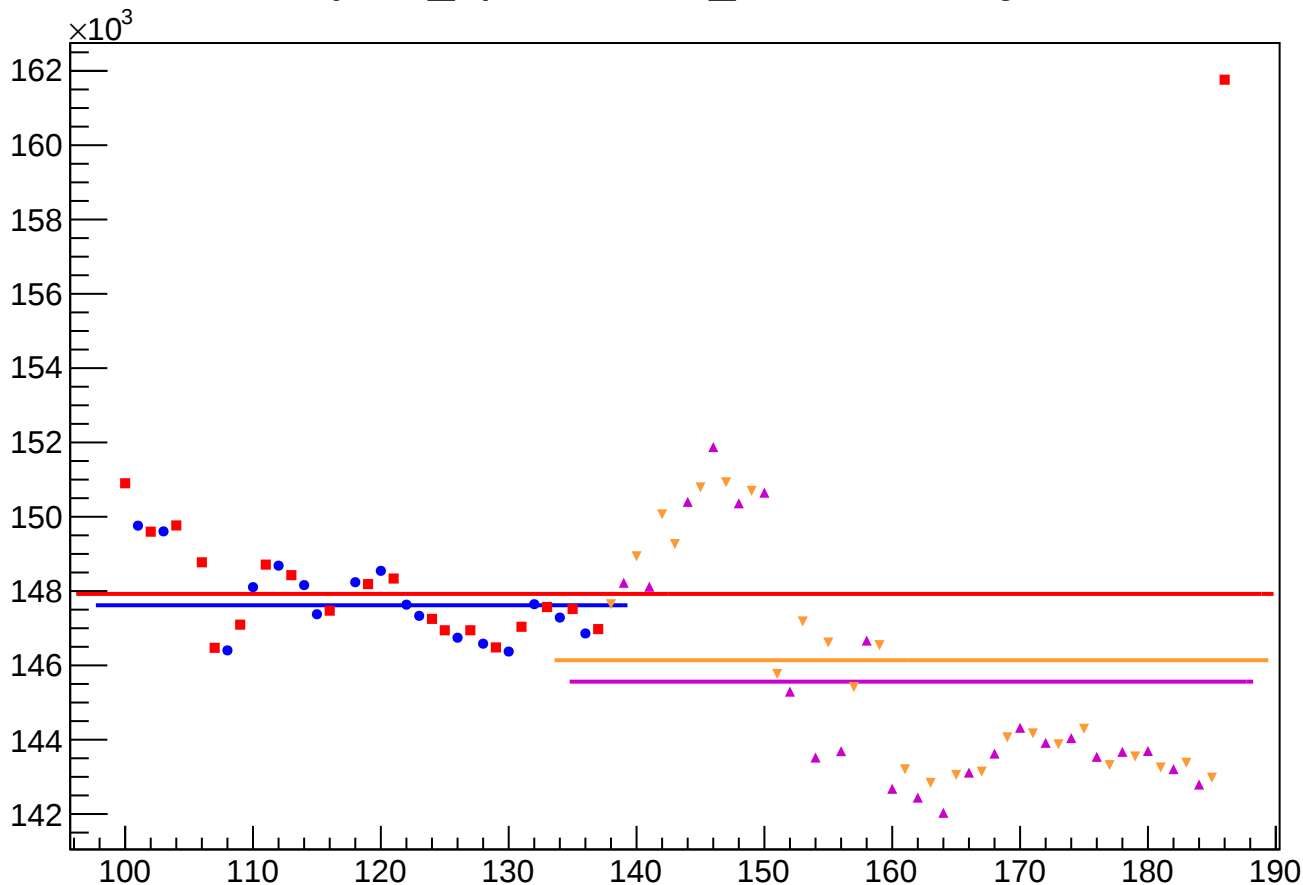
Left In: 205.286 $\pm$ 0.036 χ^2 /NDF:1425292.7/22

+ sign 162.906 $\pm$ 0.025 χ^2 /NDF: 5739482.3/41

All: 160.753 $\pm$ 0.017 χ^2 /NDF: 12159387.9/84

- sign 158.643 $\pm$ 0.024 χ^2 /NDF: 6404804.9/42

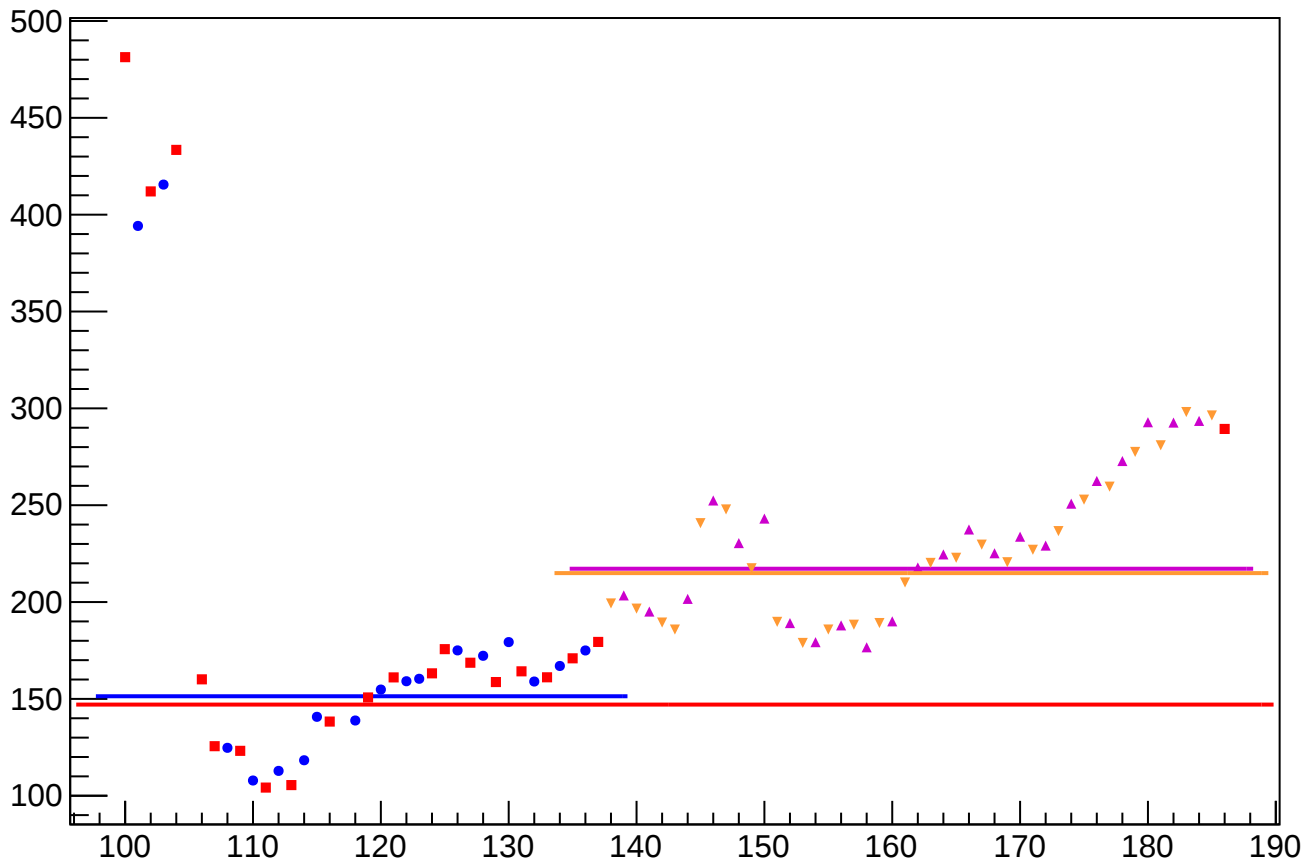
yield_bpm1i06WS_mean vs Slug



Right In: 147618.243 $\pm$ 0.063 χ^2 /NDF: 198581777.1/16
 Left Out: 146139.326 $\pm$ 0.051 χ^2 /NDF: 2699546907.6/24
 Right Out: 147923.608 $\pm$ 0.058 χ^2 /NDF: 1084222245.5/19
 Left In: 145562.386 $\pm$ 0.053 χ^2 /NDF: 3054641996.0/22

+ sign 146728.181 $\pm$ 0.039 χ^2 /NDF: 3234193344.4
 All: 146683.882 $\pm$ 0.028 χ^2 /NDF: 827941336
 - sign 146640.410 $\pm$ 0.039 χ^2 /NDF: 5042726935.4

yield_bpm1i06WS_rms vs Slug



Right In: 151.363+/-0.044 χ^2/NDF : 1259788.8/16

Left Out: 214.945+/-0.036 χ^2/NDF : 728515.5/24

Right Out: 147.063+/-0.041 χ^2/NDF : 1557504.1/19

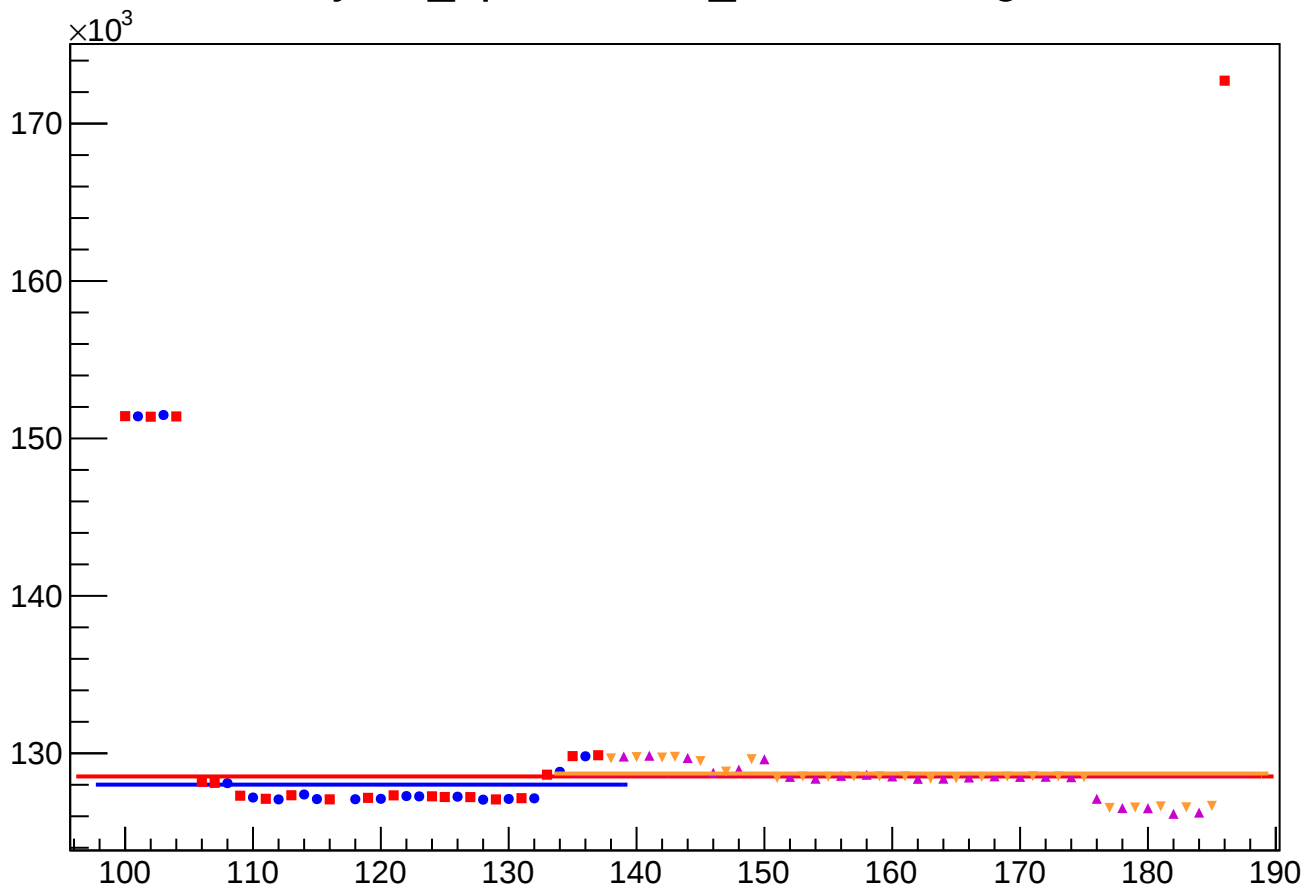
Left In: 217.203+/-0.038 χ^2/NDF : 764798.3/22

+ sign 189.629+/-0.028 χ^2/NDF : 3230642.0/41

All: 187.384+/-0.020 χ^2/NDF : 7160885.5/84

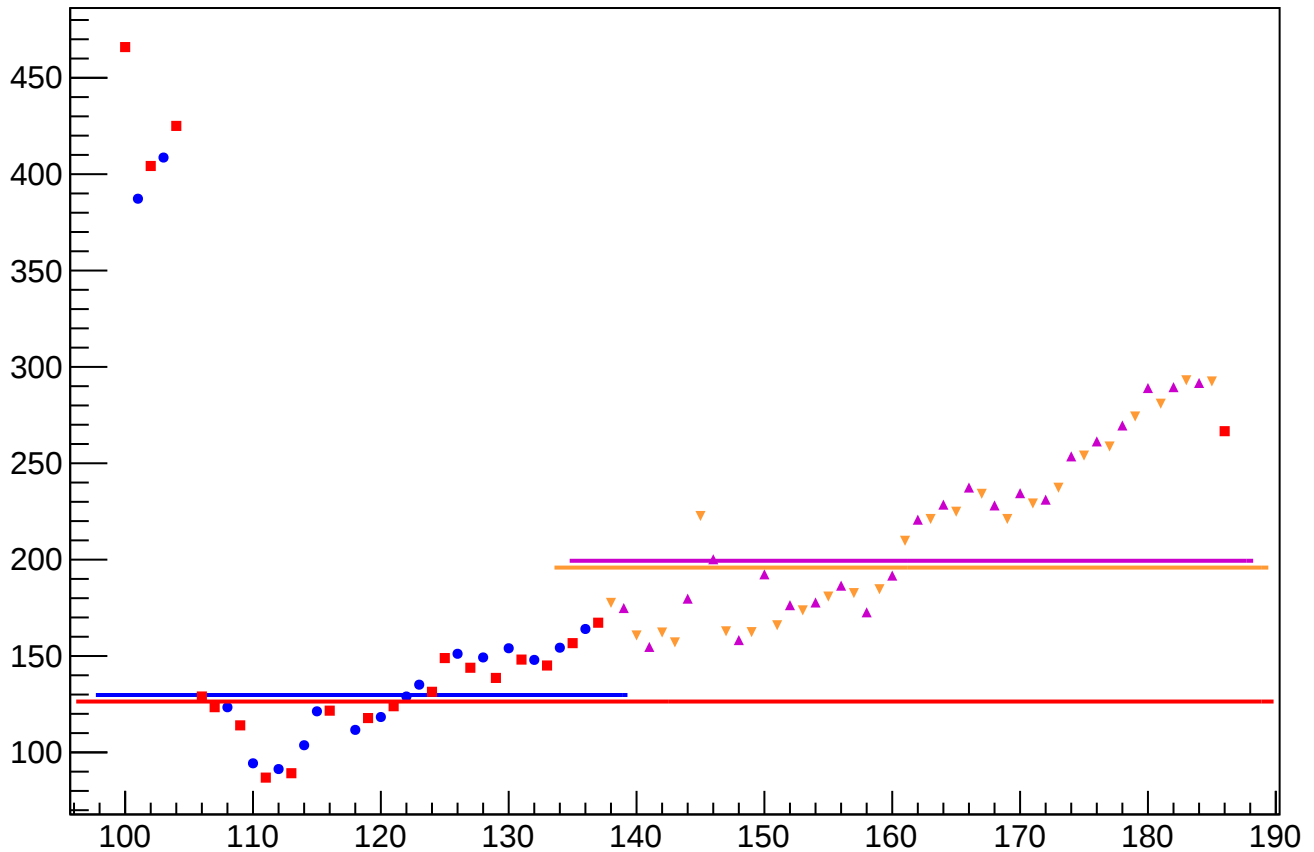
- sign 185.180+/-0.028 χ^2/NDF : 3917436.9/42

yield_bpm2i01WS_mean vs Slug



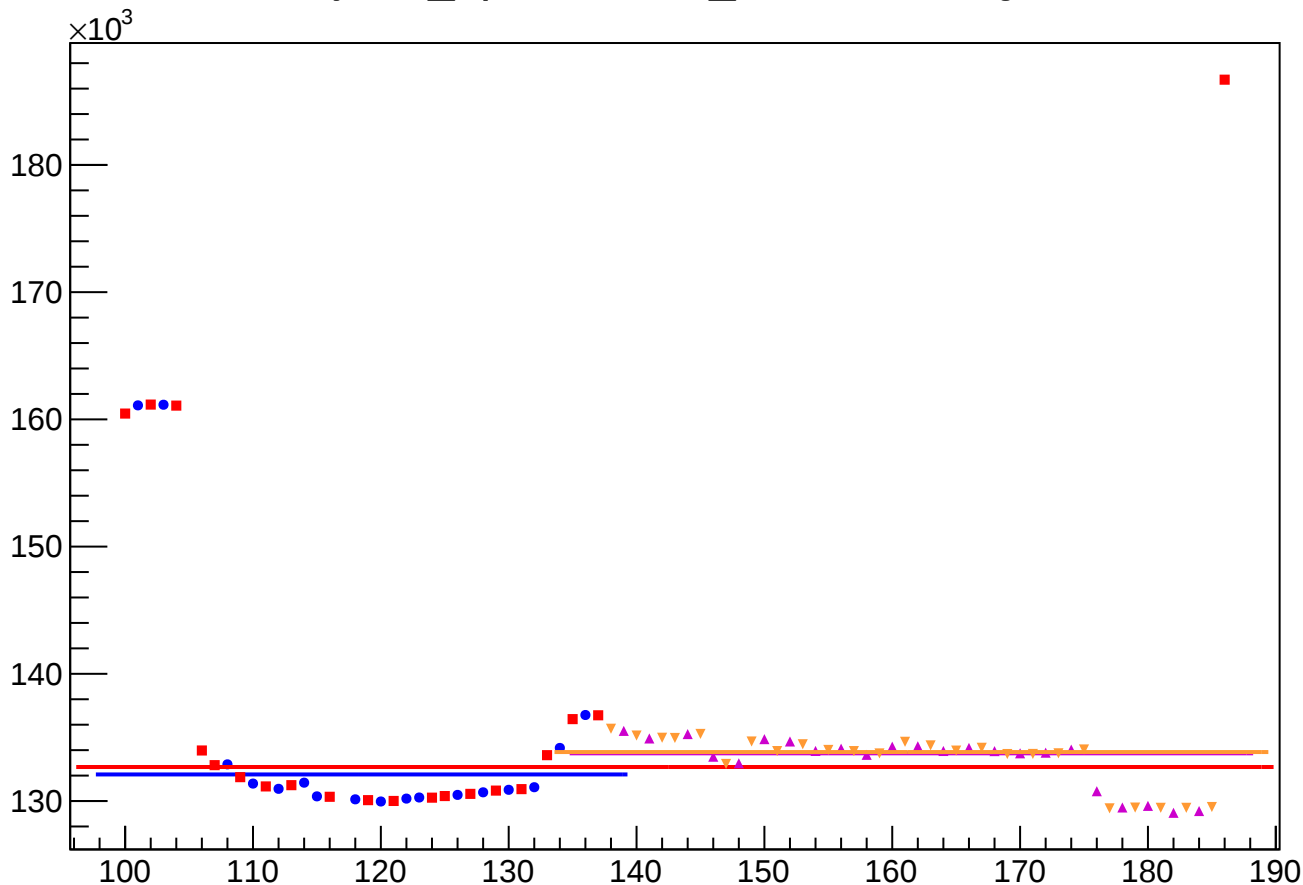
Right In: 128009.906 $\pm$ 0.054 χ^2 /NDF: 4319099803.8/16
 Left Out: 128714.507 $\pm$ 0.047 χ^2 /NDF: 348178101.1/24
 Right Out: 128529.843 $\pm$ 0.050 χ^2 /NDF: 14341372109.8/19
 Left In: 128667.013 $\pm$ 0.049 χ^2 /NDF: 333059477.6/22
 + sign 128414.397 $\pm$ 0.035 χ^2 /NDF: 4764245310.9
 All: 128508.122 $\pm$ 0.025 χ^2 /NDF: 194564003
 - sign 128599.898 $\pm$ 0.035 χ^2 /NDF: 14678267079.7

yield_bpm2i01WS_rms vs Slug



Right In: 129.769 $\pm$ 0.038	χ^2 /NDF: 1483741.9/16	+ sign 167.723 $\pm$ 0.025	χ^2 /NDF: 4504573.3/41
Left Out: 195.883 $\pm$ 0.033	χ^2 /NDF: 1313361.5/24	All: 165.680 $\pm$ 0.018	χ^2 /NDF: 9597390.3/84
Right Out: 126.380 $\pm$ 0.035	χ^2 /NDF: 1739305.5/19	- sign 163.679 $\pm$ 0.025	χ^2 /NDF: 5079616.7/42
Left In: 199.413 $\pm$ 0.035	χ^2 /NDF: 1165698.7/22		

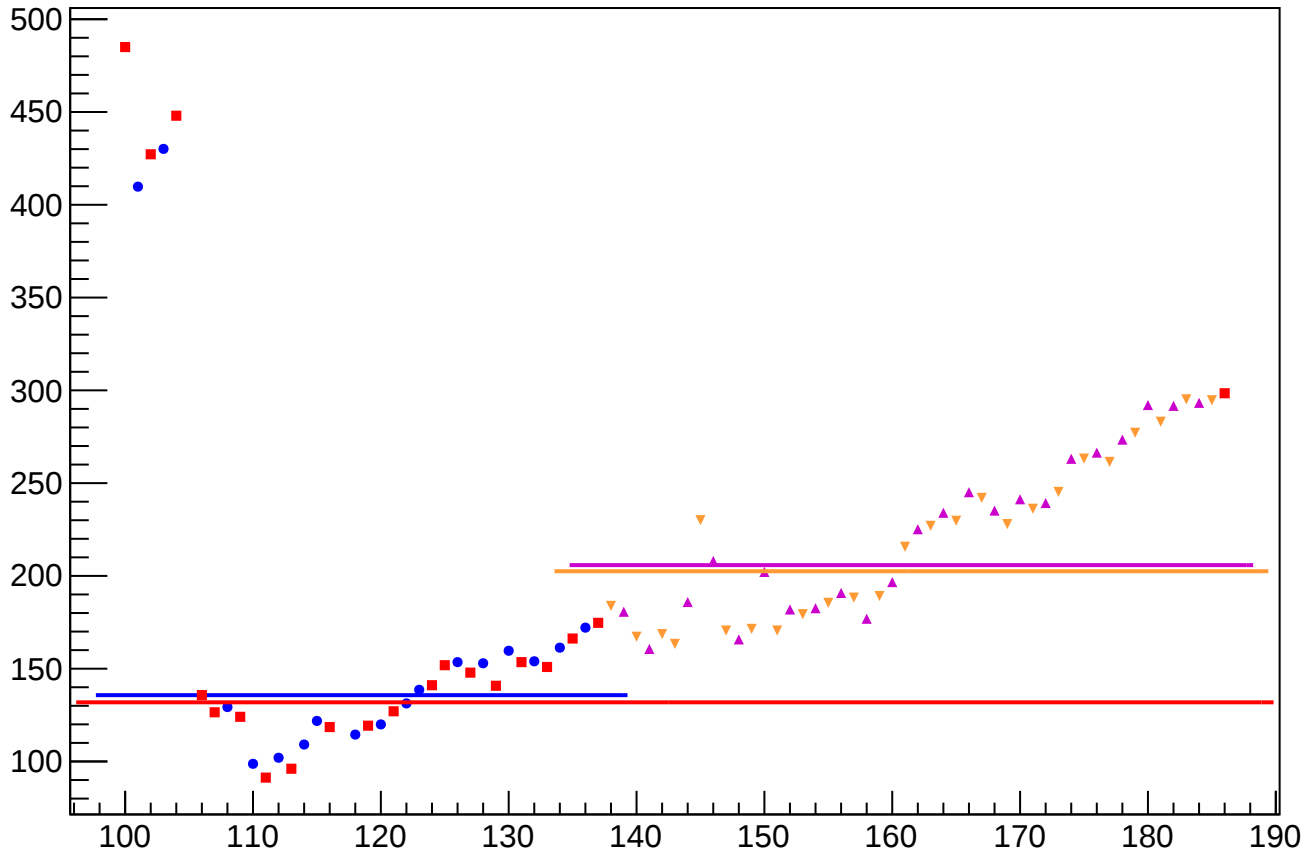
yield_bpm2i02WS_mean vs Slug



Right In: 132090.159 ± 0.057 $\chi^2/\text{NDF}: 6731961368.4/16$
 Left Out: 133850.586 ± 0.048 $\chi^2/\text{NDF}: 1080107831.1/24$
 Right Out: 132674.496 ± 0.052 $\chi^2/\text{NDF}: 18485474706.3/19$
 Left In: 133749.630 ± 0.051 $\chi^2/\text{NDF}: 954069486.7/22$

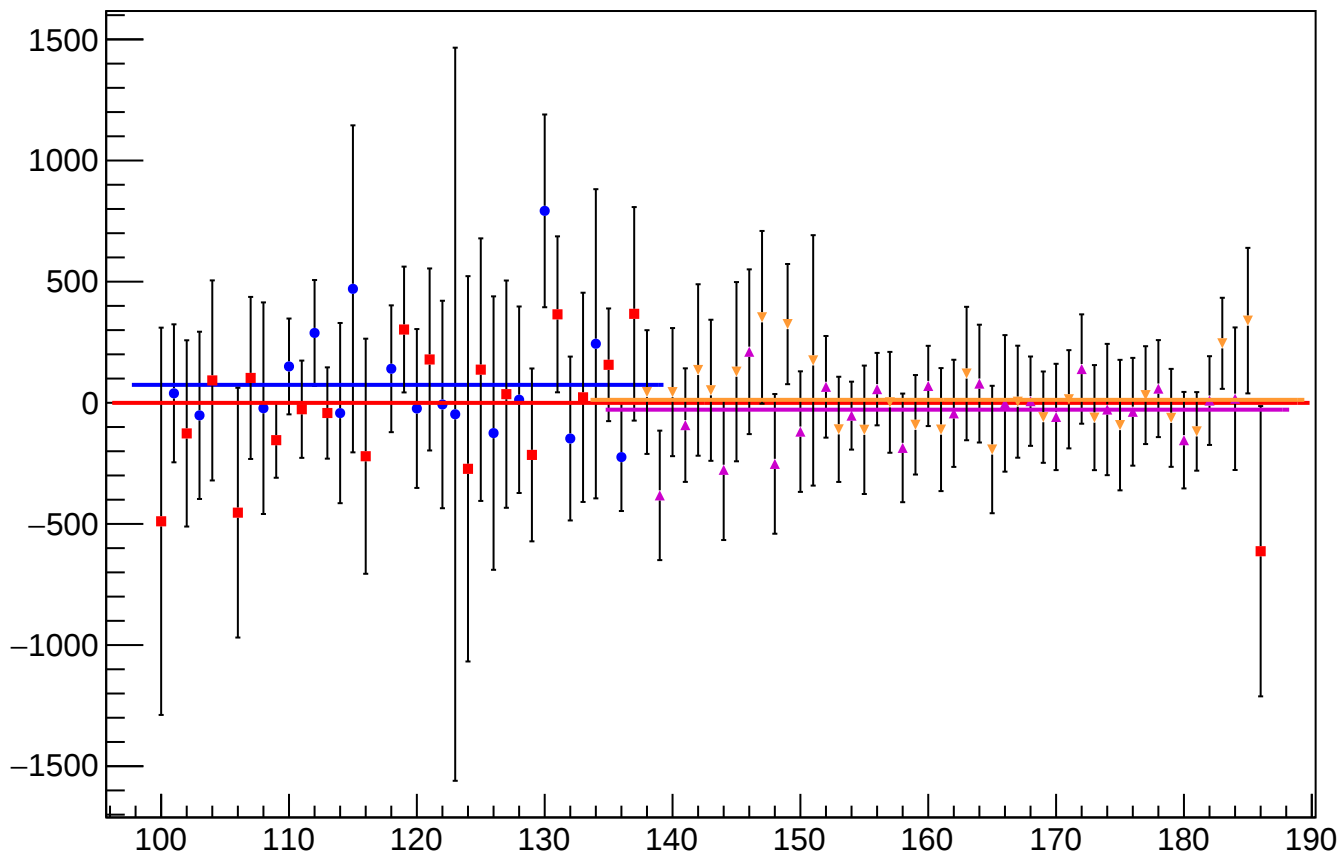
+ sign 133110.359 ± 0.037 $\chi^2/\text{NDF}: 8372488477.9$
 - sign 133230.025 ± 0.036 $\chi^2/\text{NDF}: 19658475273.1$
 All: 133170.844 ± 0.026 $\chi^2/\text{NDF}: 280363350$

yield_bpm2i02WS_rms vs Slug



Right In: 135.730 $\pm$ 0.040	χ^2 /NDF: 1442560.7/16	+ sign 174.440 $\pm$ 0.026	χ^2 /NDF: 4268241.8/41
Left Out: 202.527 $\pm$ 0.034	χ^2 /NDF: 1211991.5/24	All: 172.235 $\pm$ 0.018	χ^2 /NDF: 9185797.1/84
Right Out: 131.874 $\pm$ 0.037	χ^2 /NDF: 1738329.1/19	- sign 170.076 $\pm$ 0.026	χ^2 /NDF: 4903267.1/42
Left In: 205.808 $\pm$ 0.036	χ^2 /NDF: 1094330.7/22		

asym_bcm_an_ds_mean vs Slug



Right In: 74.036 $\pm$ 79.233 χ^2 /NDF: 7.6/16

Left Out: 12.180 $\pm$ 47.531 χ^2 /NDF: 8.6/24

Right Out: -0.333 $\pm$ 69.605 χ^2 /NDF: 8.3/19

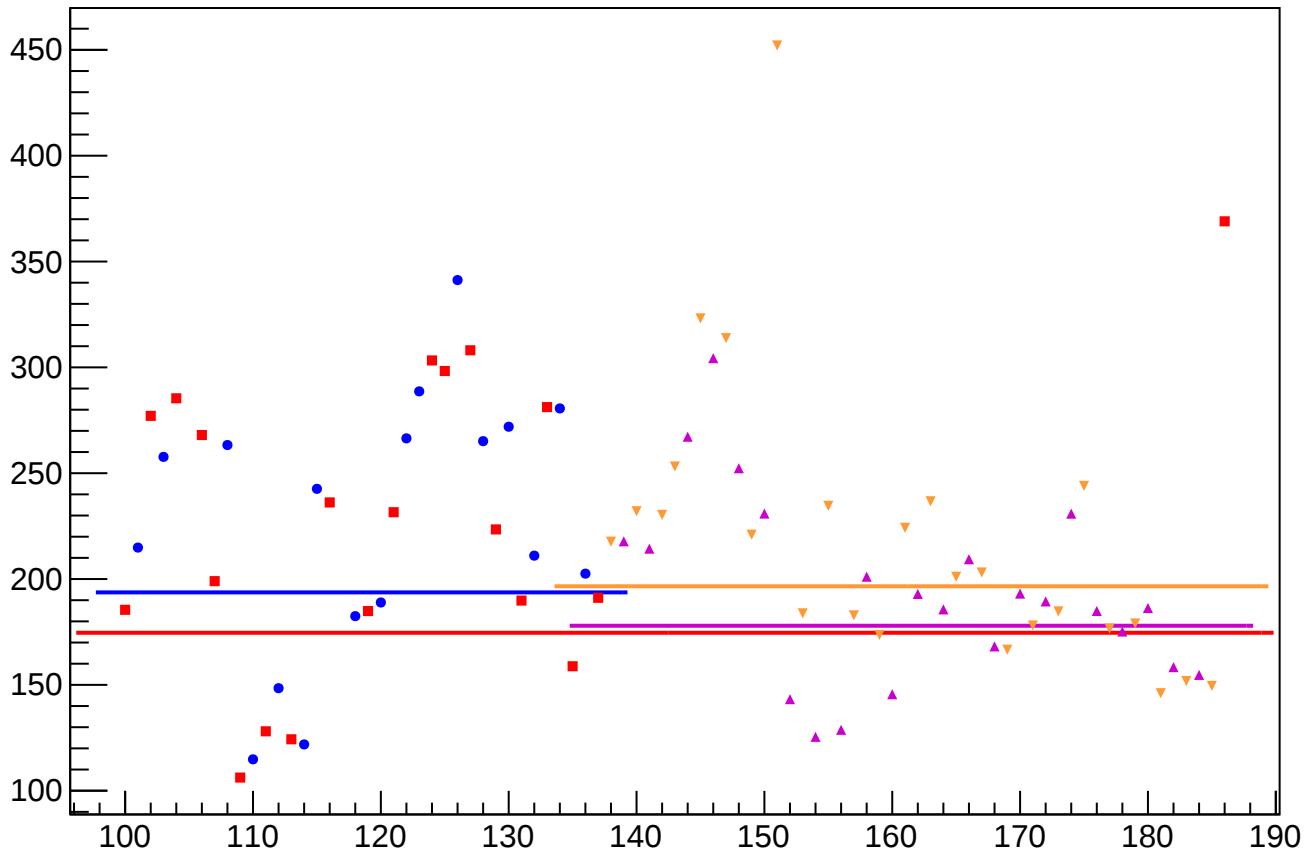
Left In: -28.452 $\pm$ 44.688 χ^2 /NDF: 6.7/22

+ sign 28.549 $\pm$ 40.759 χ^2 /NDF: 16.7/41

All: 2.192 $\pm$ 27.639 χ^2 /NDF: 32.5/84

- sign -20.244 $\pm$ 37.605 χ^2 /NDF: 15.1/42

asym_bcm_an_ds_rms vs Slug



Right In: 193.695 $\pm$ 0.056 χ^2 /NDF: 1018039.6/16

Left Out: 196.576 $\pm$ 0.034 χ^2 /NDF: 1778719.0/24

Right Out: 174.623 $\pm$ 0.049 χ^2 /NDF: 1787822.7/19

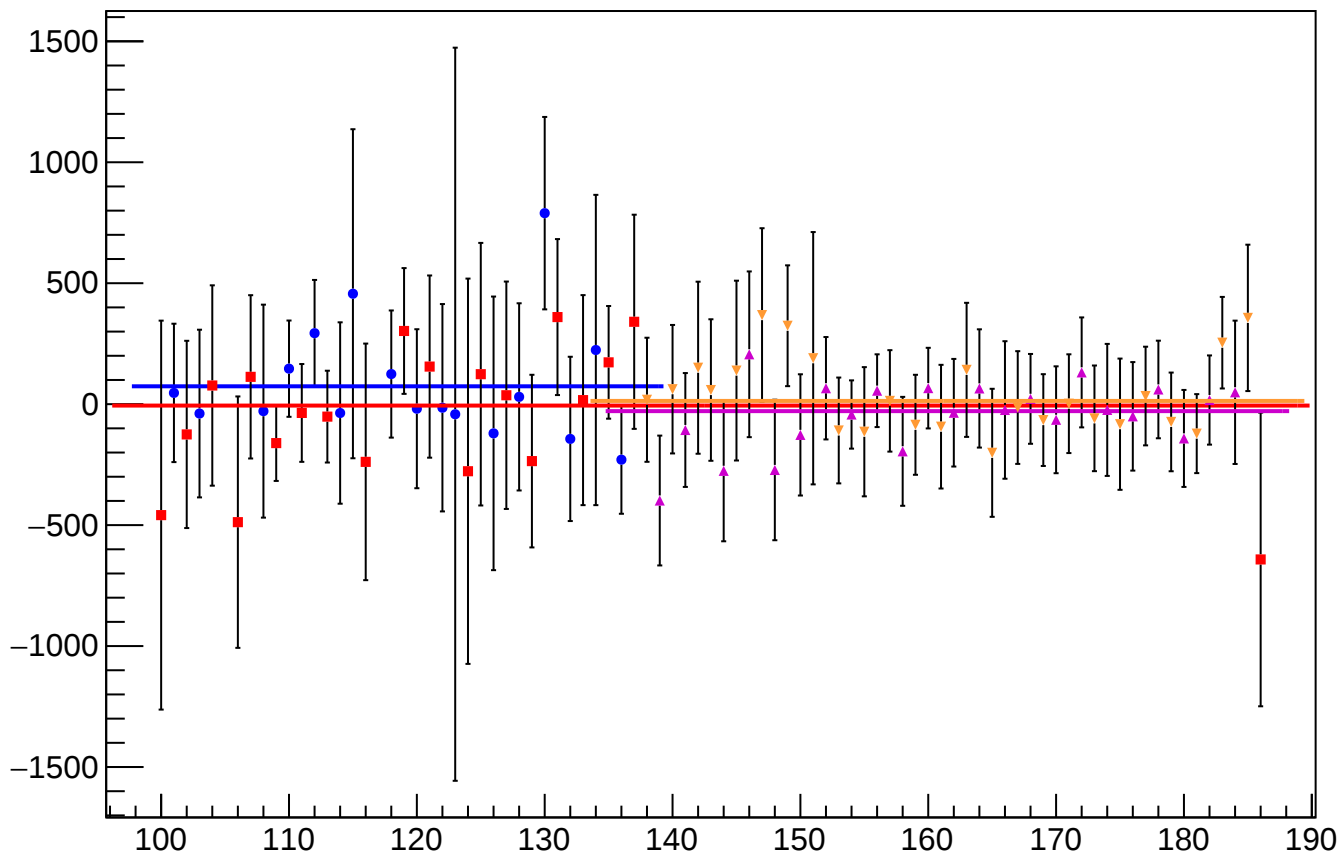
Left In: 177.933 $\pm$ 0.032 χ^2 /NDF: 1605780.8/22

+ sign 195.814 $\pm$ 0.029 χ^2 /NDF: 2798703.0/41

All: 185.633 $\pm$ 0.020 χ^2 /NDF: 6426504.0/84

- sign 176.967 $\pm$ 0.027 χ^2 /NDF: 3396806.1/42

asym_bcm_an_ds3_mean vs Slug



Right In: 73.822 $\pm$ 79.620 χ^2/NDF : 7.5/16

Left Out: 13.395 $\pm$ 47.862 χ^2/NDF : 9.0/24

Right Out: -5.845 $\pm$ 69.980 χ^2/NDF : 8.5/19

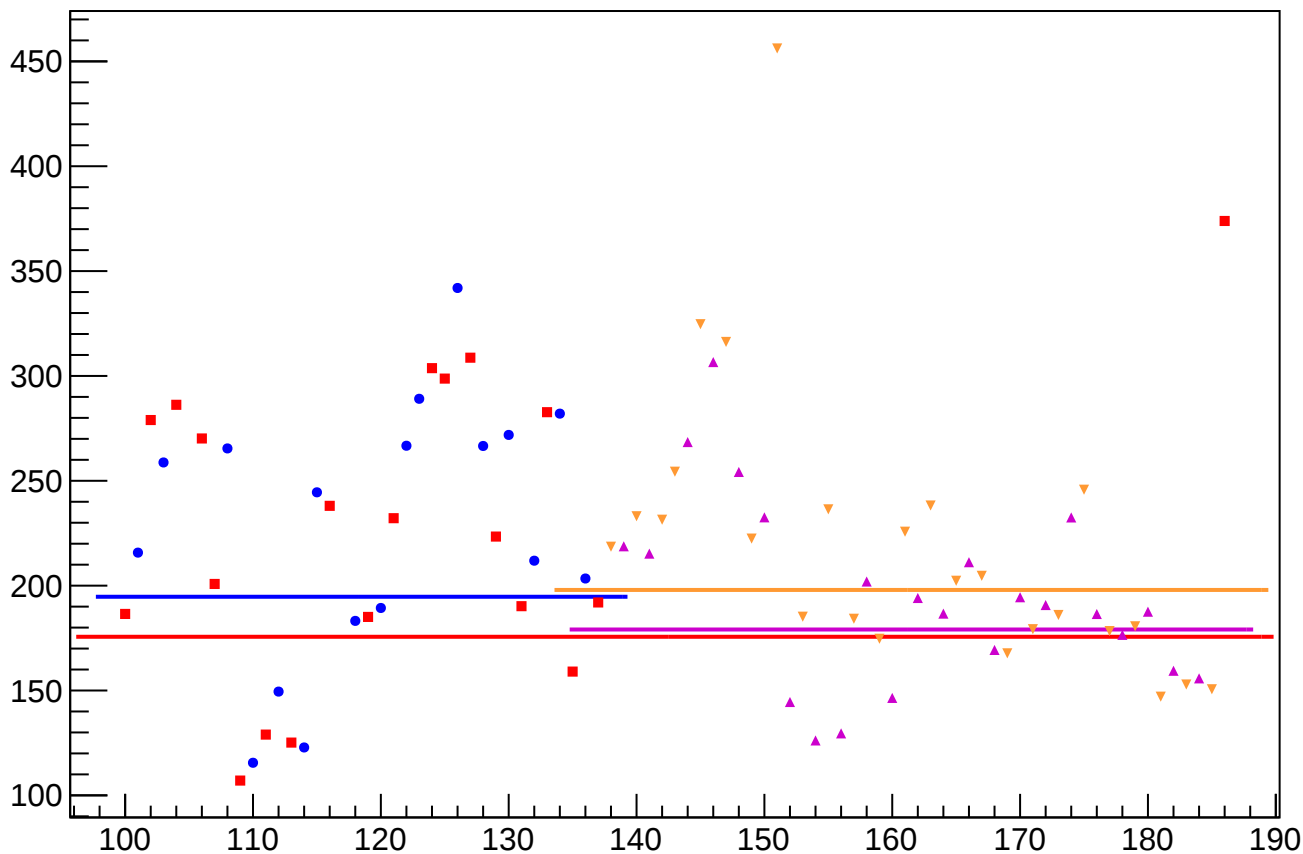
Left In: -28.806 $\pm$ 44.980 χ^2/NDF : 6.8/22

+ sign 29.434 $\pm$ 41.021 χ^2/NDF : 16.9/41

All: 1.594 $\pm$ 27.813 χ^2/NDF : 33.2/84

- sign -22.093 $\pm$ 37.838 χ^2/NDF : 15.4/42

asym_bcm_an_ds3_rms vs Slug



Right In: 194.704 $\pm$ 0.056 χ^2 /NDF: 1009606.0/16

Left Out: 197.953 $\pm$ 0.034 χ^2 /NDF:1774524.3/24

Right Out: 175.623 $\pm$ 0.049 χ^2 /NDF: 1778387.4/19

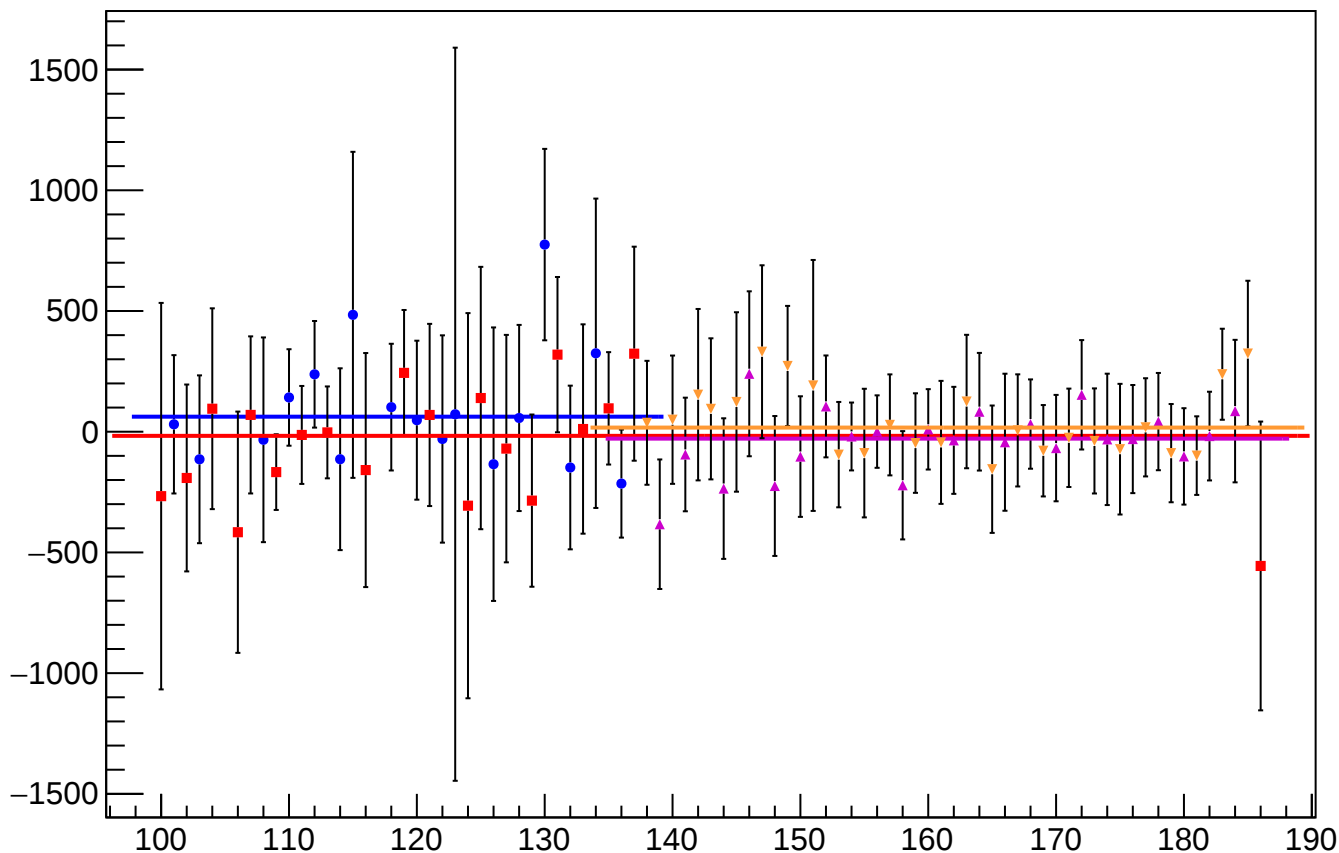
Left In: 179.090 $\pm$ 0.032 χ^2 /NDF:1605113.3/22

+ sign 197.090 $\pm$ 0.029 χ^2 /NDF: 2786575.8/41

All: 186.817 $\pm$ 0.020 χ^2 /NDF: 6405718.6/84

- sign 178.076 $\pm$ 0.027 χ^2 /NDF: 3386973.4/42

asym_bcm_an_us_mean vs Slug



Right In: 62.284 ± 79.616 χ^2/NDF : 7.2/16

Left Out: 17.142 ± 47.738 χ^2/NDF : 7.1/24

Right Out: -17.123 ± 69.890 χ^2/NDF : 6.7/19

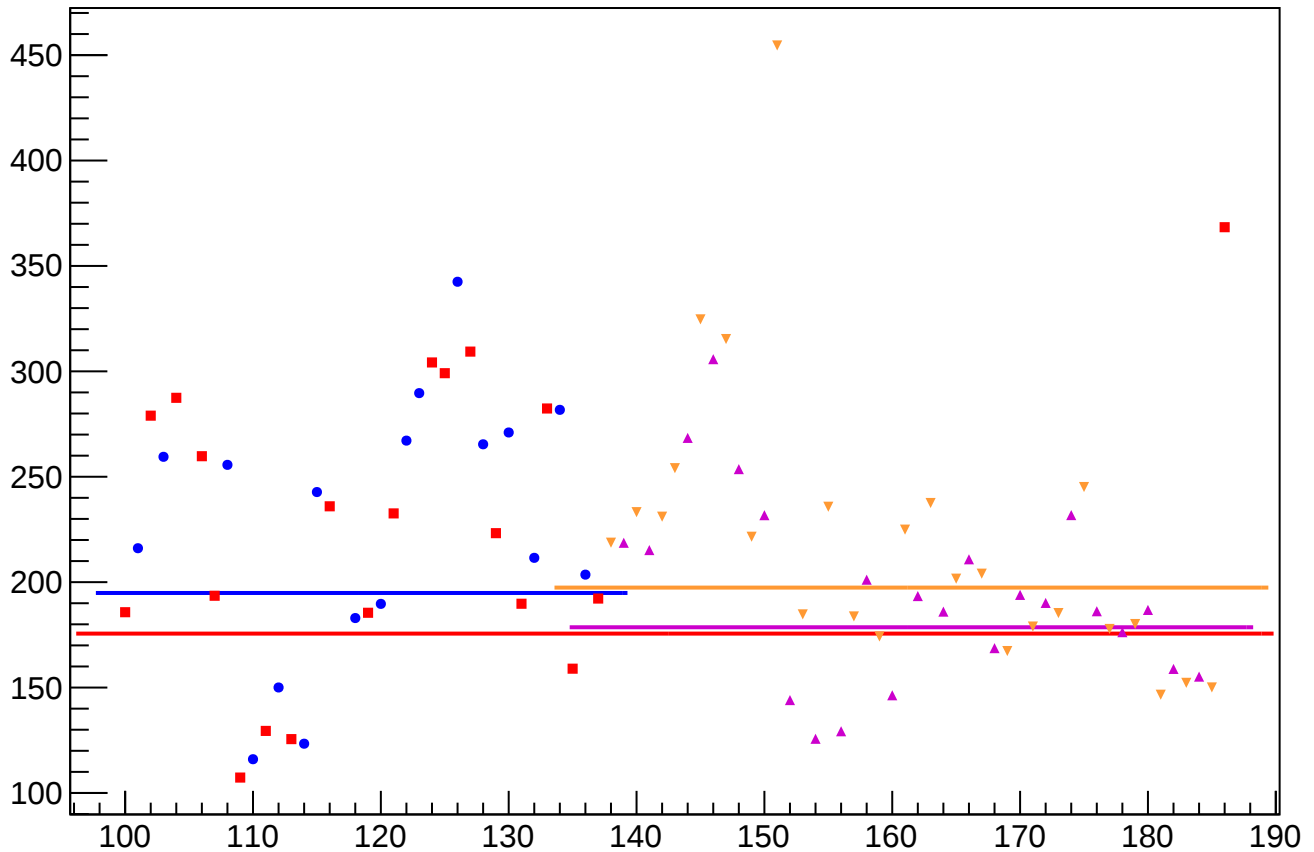
Left In: -28.655 ± 44.859 χ^2/NDF : 6.1/22

+ sign 29.079 ± 40.942 χ^2/NDF : 14.5/41

All: -0.306 ± 27.754 χ^2/NDF : 28.3/84

- sign -25.291 ± 37.752 χ^2/NDF : 12.8/42

asym_bcm_an_us_rms vs Slug



Right In: 194.868 $\pm$ 0.056 χ^2 /NDF: 987545.2/16

Left Out: 197.422 $\pm$ 0.034 χ^2 /NDF: 1780261.9/24

+ sign 196.746 $\pm$ 0.029 χ^2 /NDF: 2769320.1/41

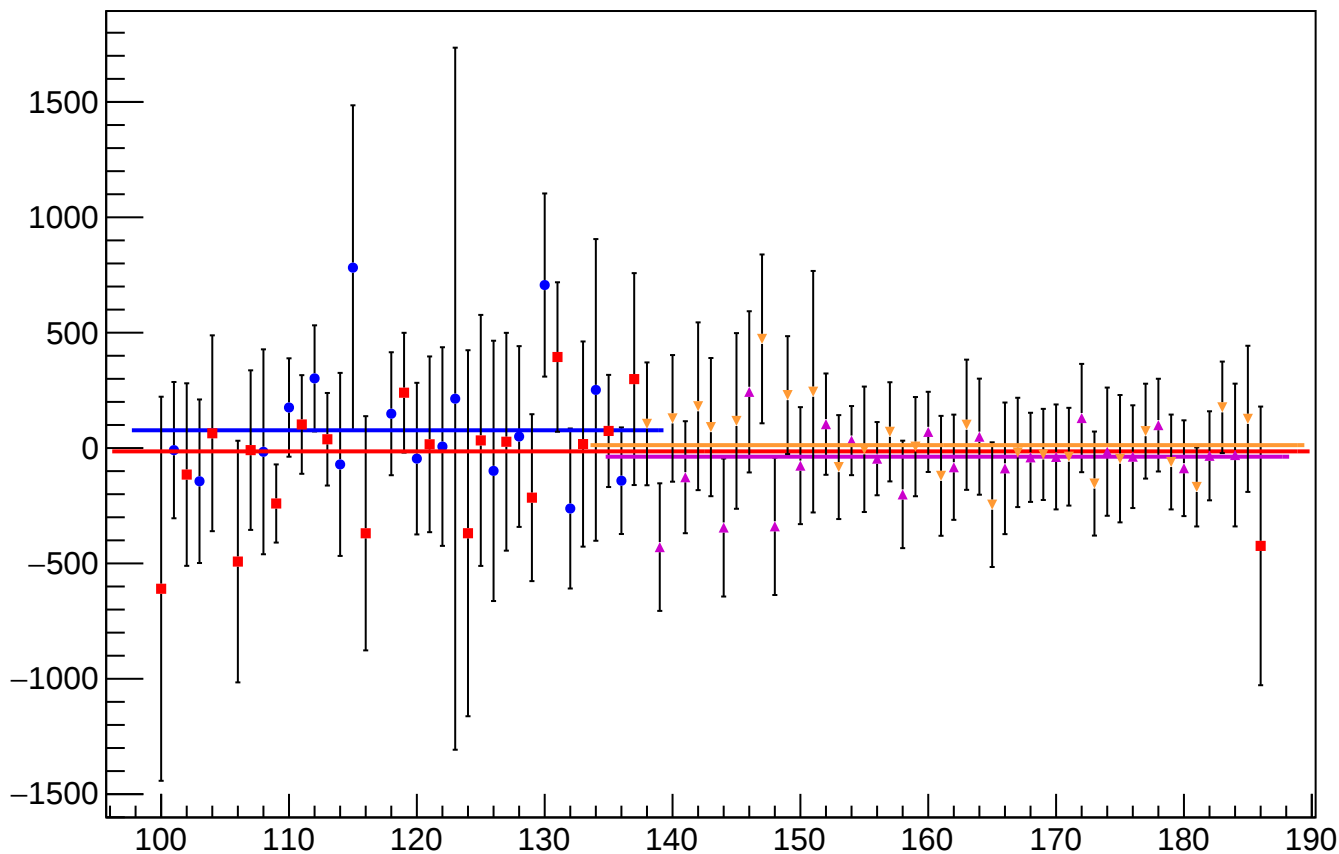
Right Out: 175.597 $\pm$ 0.049 χ^2 /NDF: 1749789.5/19

All: 186.466 $\pm$ 0.020 χ^2 /NDF: 6364057.8/84

- sign 177.725 $\pm$ 0.027 χ^2 /NDF: 3361405.7/42

Left In: 178.601 $\pm$ 0.032 χ^2 /NDF: 1608998.1/22

asym_bcm_dg_us_mean vs Slug



Right In: 77.030 $\pm$ 82.098 χ^2 /NDF: 7.6/16

Left Out: 12.632 $\pm$ 49.242 χ^2 /NDF: 7.5/24

Right Out: -14.406 $\pm$ 72.791 χ^2 /NDF: 8.2/19

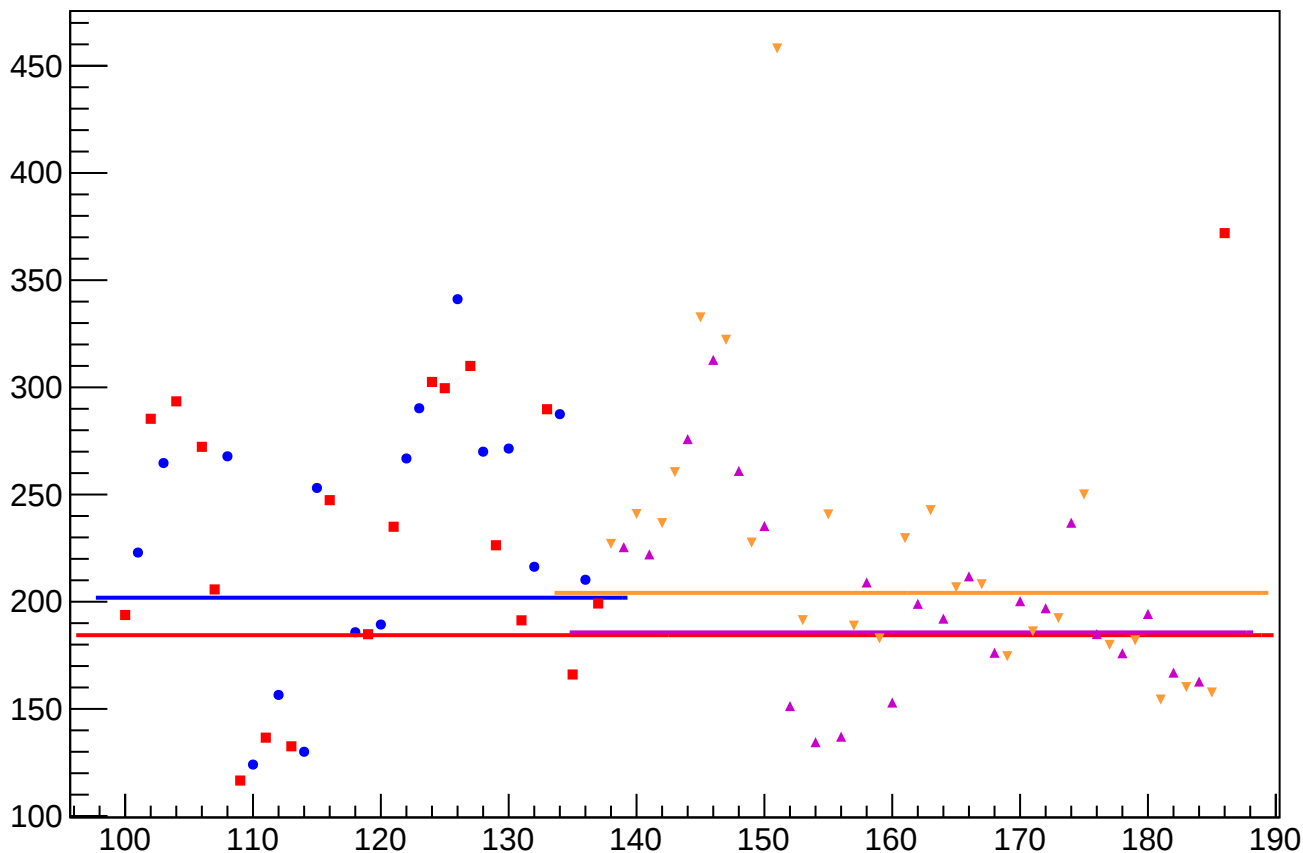
Left In: -37.460 $\pm$ 46.479 χ^2 /NDF: 7.6/22

+ sign 29.670 $\pm$ 42.229 χ^2 /NDF: 15.6/41

All: -2.822 $\pm$ 28.719 χ^2 /NDF: 32.6/84

- sign -30.783 $\pm$ 39.174 χ^2 /NDF: 15.9/42

asym_bcm_dg_us_rms vs Slug



Right In: 201.873 $\pm$ 0.058 χ^2 /NDF: 884412.3/16

Left Out: 204.132 $\pm$ 0.035 χ^2 /NDF:1672287.6/24

Right Out: 184.392 $\pm$ 0.051 χ^2 /NDF: 1569198.0/19

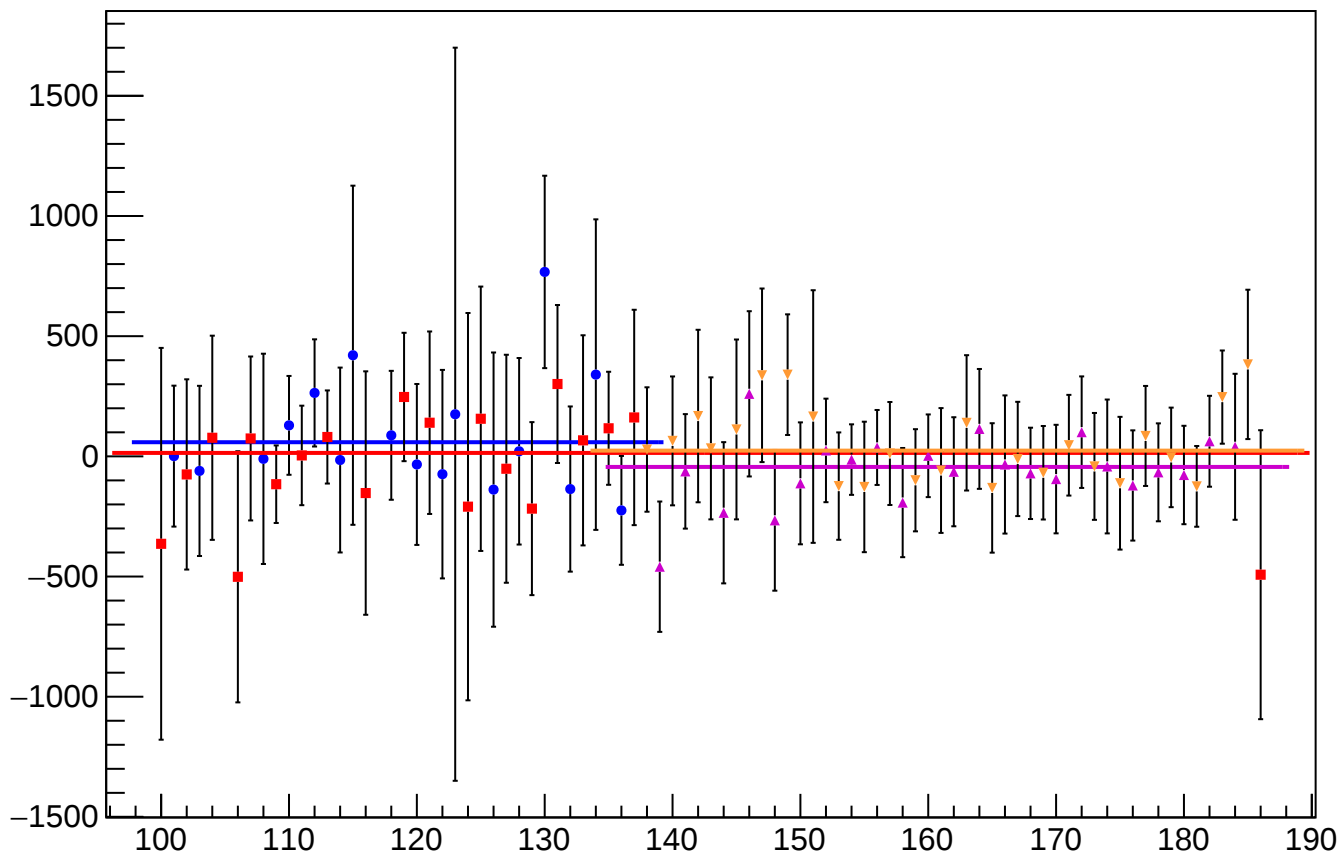
Left In: 185.694 $\pm$ 0.033 χ^2 /NDF:1447767.0/22

+ sign 203.534 $\pm$ 0.030 χ^2 /NDF: 2557813.4/41

All: 193.743 $\pm$ 0.020 χ^2 /NDF: 5775290.1/84

- sign 185.317 $\pm$ 0.028 χ^2 /NDF: 3017419.4/42

asym_bcm_dg_ds_mean vs Slug



Right In: 58.835 $\pm$ 81.036 χ^2 /NDF: 7.0/16

Left Out: 23.843 $\pm$ 48.783 χ^2 /NDF: 8.5/24

Right Out: 14.314 $\pm$ 71.371 χ^2 /NDF: 5.4/19

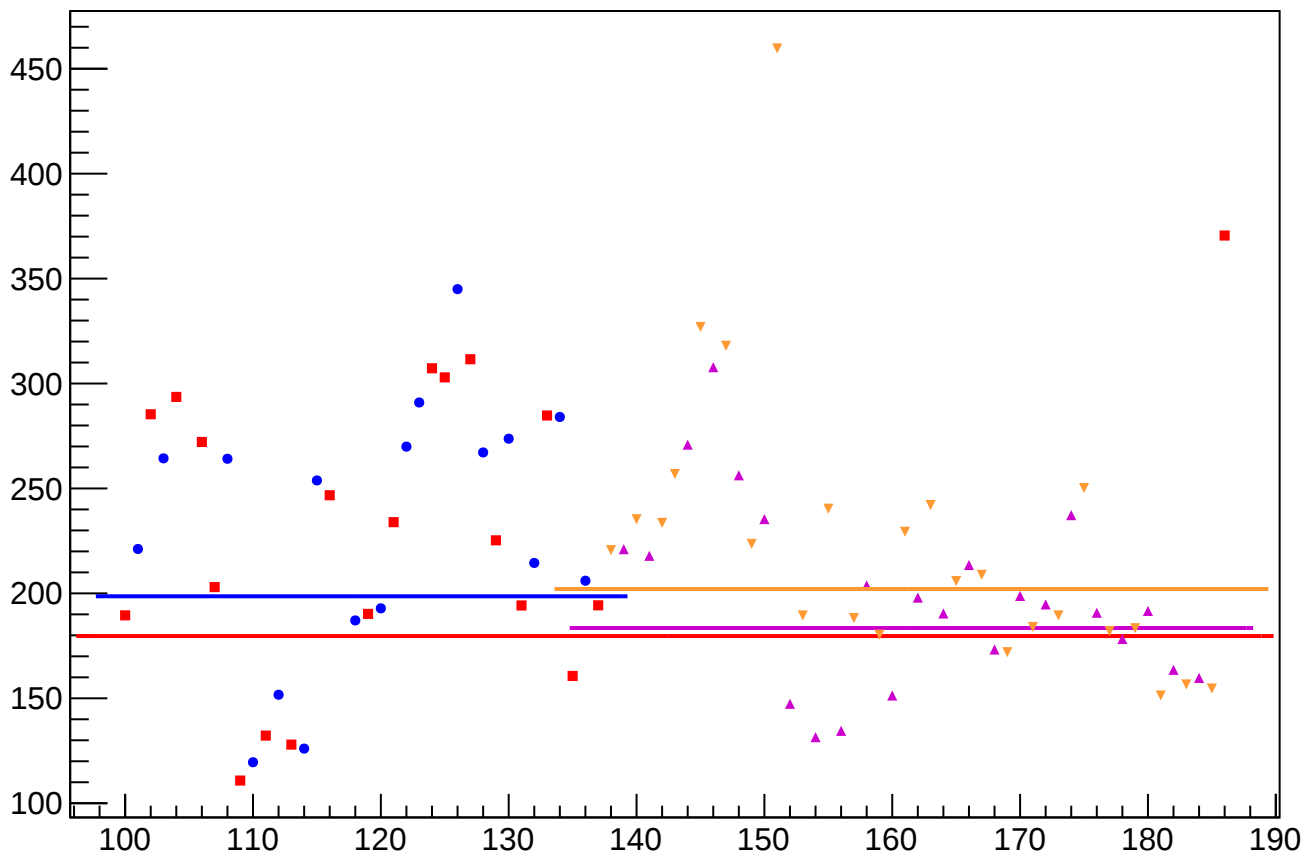
Left In: -43.978 $\pm$ 45.981 χ^2 /NDF: 6.5/22

+ sign 33.150 $\pm$ 41.794 χ^2 /NDF: 15.6/41

All: 0.795 $\pm$ 28.378 χ^2 /NDF: 29.1/84

- sign -26.881 $\pm$ 38.654 χ^2 /NDF: 12.4/42

asym_bcm_dg_ds_rms vs Slug



Right In: 198.615 $\pm$ 0.057 χ^2 /NDF: 965079.3/16

Left Out: 202.081 $\pm$ 0.034 χ^2 /NDF:1692787.9/24

Right Out: 179.662 $\pm$ 0.050 χ^2 /NDF: 1723930.9/19

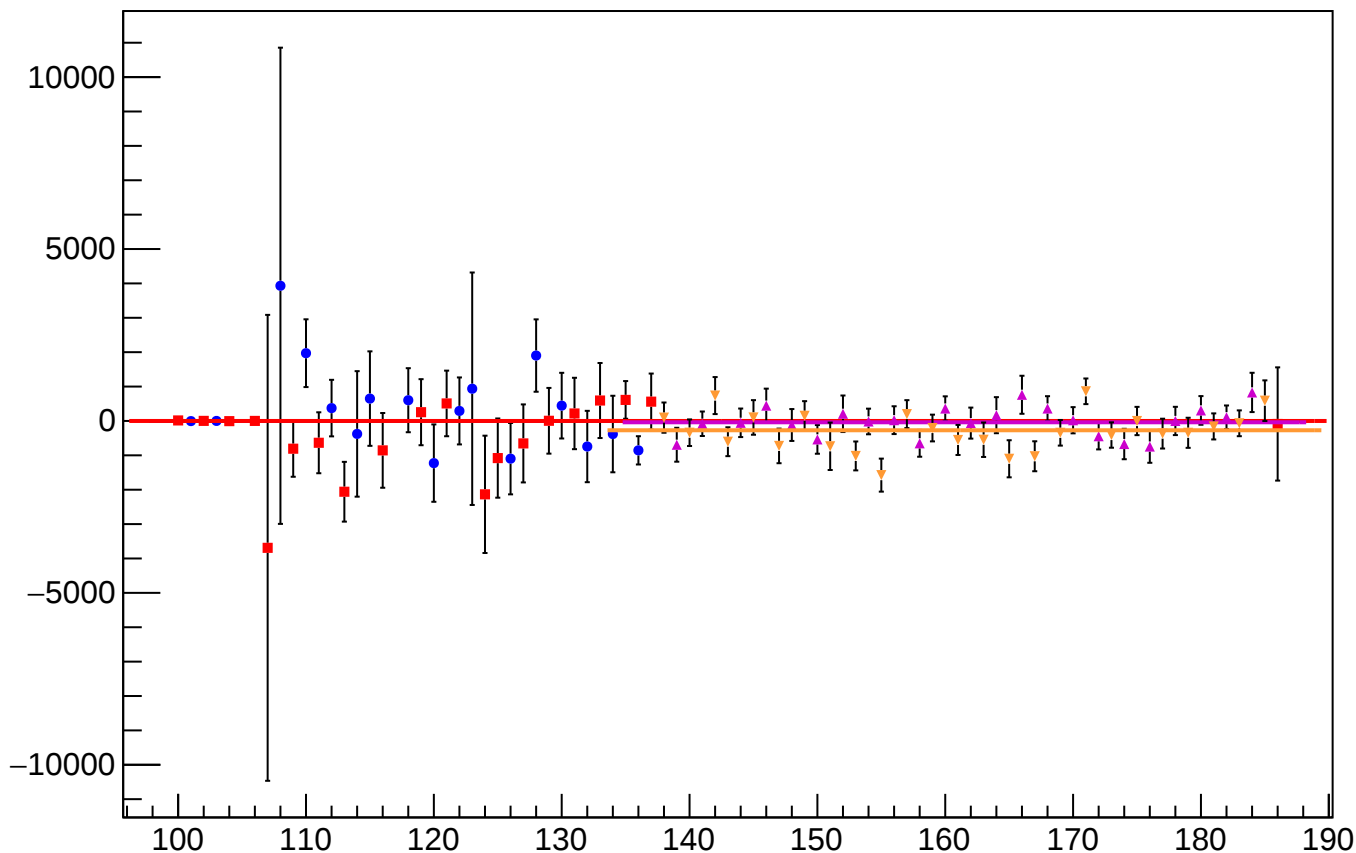
Left In: 183.498 $\pm$ 0.033 χ^2 /NDF:1483383.4/22

+ sign 201.159 $\pm$ 0.030 χ^2 /NDF: 2660552.2/41

All: 191.034 $\pm$ 0.020 χ^2 /NDF: 6089735.8/84

- sign 182.373 $\pm$ 0.027 χ^2 /NDF: 3211397.6/42

asym_cav4bQ_mean vs Slug



Right In: -1.530 ± 2.251 χ^2/NDF : 17.4/16

Left Out: -270.969 ± 86.967 χ^2/NDF : 38.1/24

Right Out: -0.726 ± 2.111 χ^2/NDF : 19.1/19

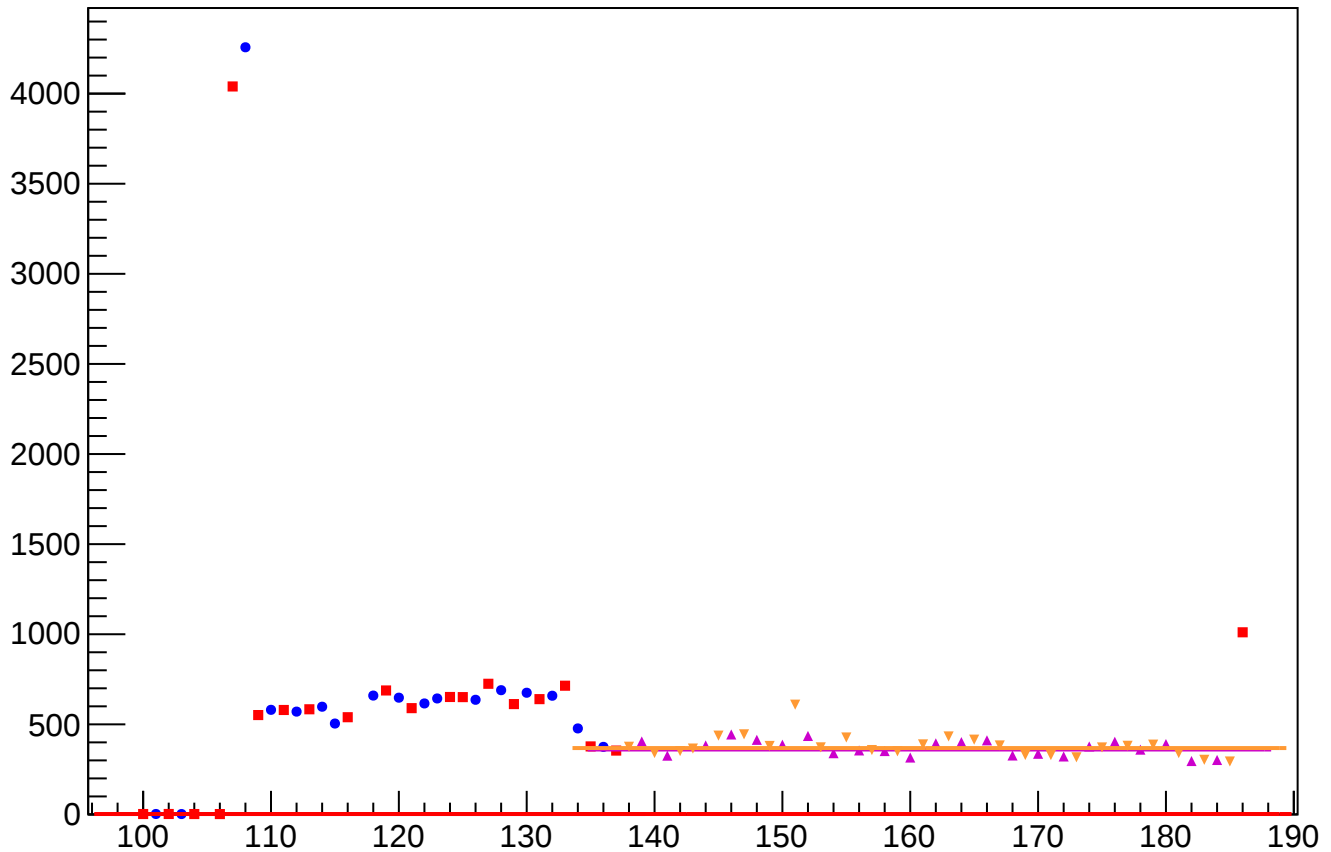
Left In: -39.078 ± 87.769 χ^2/NDF : 20.3/22

+ sign -1.710 ± 2.251 χ^2/NDF : 65.1/41

All: -1.198 ± 1.540 χ^2/NDF : 104.8/84

- sign -0.748 ± 2.111 χ^2/NDF : 39.6/42

asym_cav4bQ_rms vs Slug



Right In: 2.456 $\pm$ 0.002 χ^2 /NDF: 10808630.7/16

Left Out: 368.397 $\pm$ 0.061 χ^2 /NDF: 622466.1/24

Right Out: 2.438 $\pm$ 0.001 χ^2 /NDF: 11851162.3/19

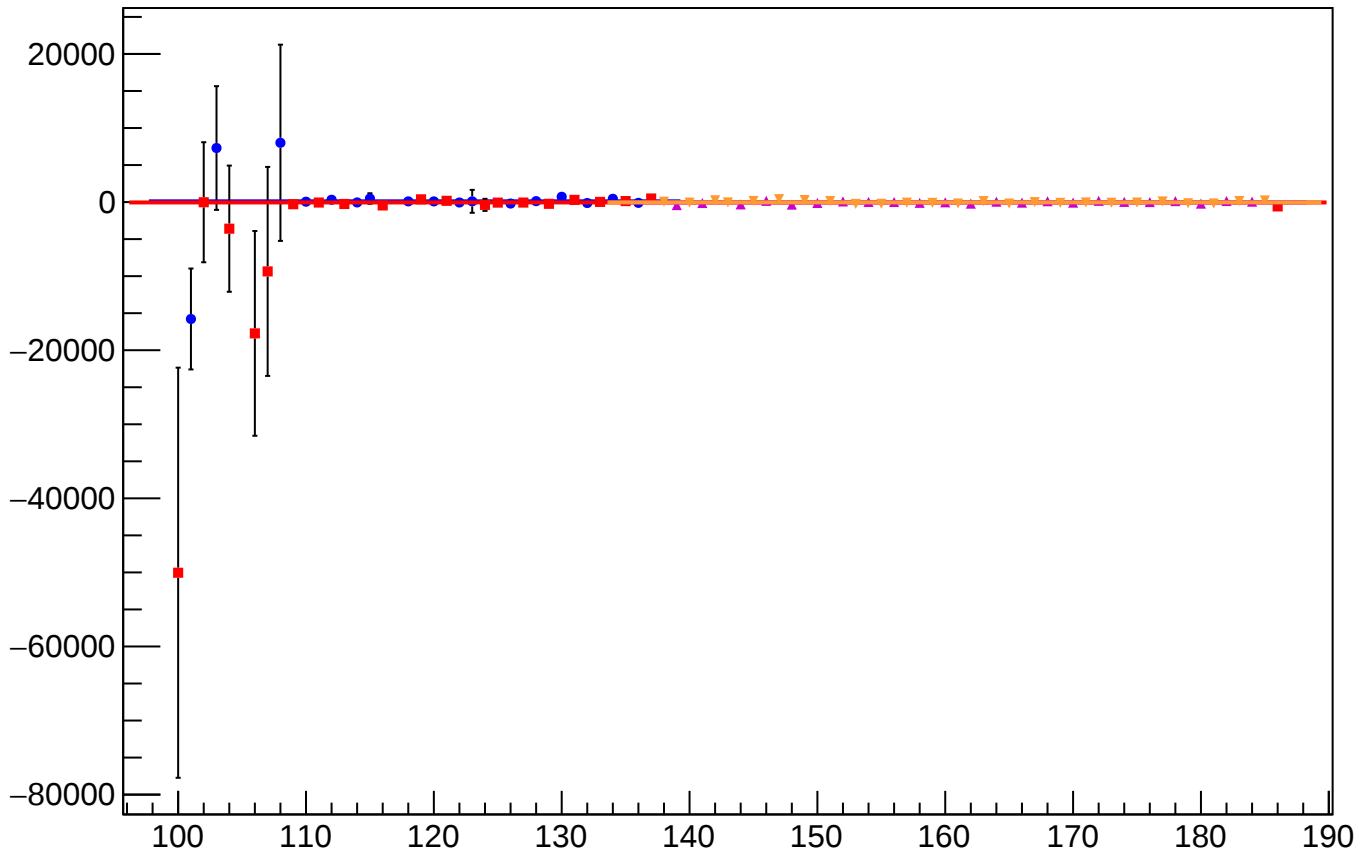
Left In: 360.408 $\pm$ 0.062 χ^2 /NDF: 417739.4/22

+ sign 2.701 $\pm$ 0.002 χ^2 /NDF: 46818454.1/41

All: 2.672 $\pm$ 0.001 χ^2 /NDF: 92337526.2/84

- sign 2.645 $\pm$ 0.001 χ^2 /NDF: 45518406.2/42

asym_cav4cQ_mean vs Slug



Right In: 100.742 $\pm$ 91.159 χ^2 /NDF: 12.0/16

Left Out: -38.013 $\pm$ 49.628 χ^2 /NDF: 9.3/24

Right Out: -48.353 $\pm$ 83.710 χ^2 /NDF: 14.8/19

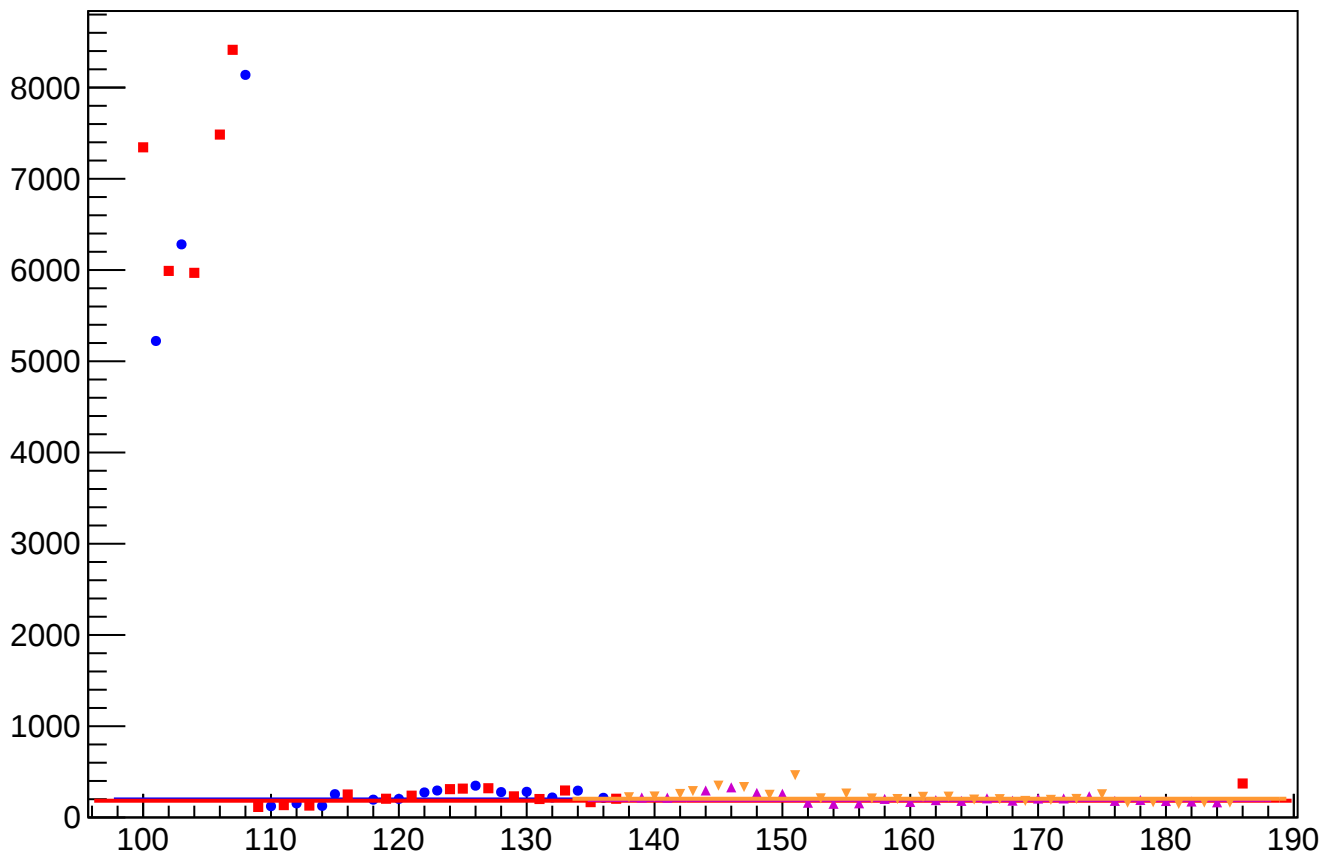
Left In: -28.205 $\pm$ 48.167 χ^2 /NDF: 9.2/22

+ sign -6.290 $\pm$ 43.587 χ^2 /NDF: 23.1/41

All: -20.333 $\pm$ 30.150 χ^2 /NDF: 47.4/84

- sign -33.216 $\pm$ 41.749 χ^2 /NDF: 24.1/42

asym_cav4cQ_rms vs Slug



Right In: 197.308 $\pm$ 0.064 χ^2 /NDF: 3696256.2/16

Left Out: 205.027 $\pm$ 0.035 χ^2 /NDF: 1956045.1/24

Right Out: 183.444 $\pm$ 0.059 χ^2 /NDF: 4514700.5/19

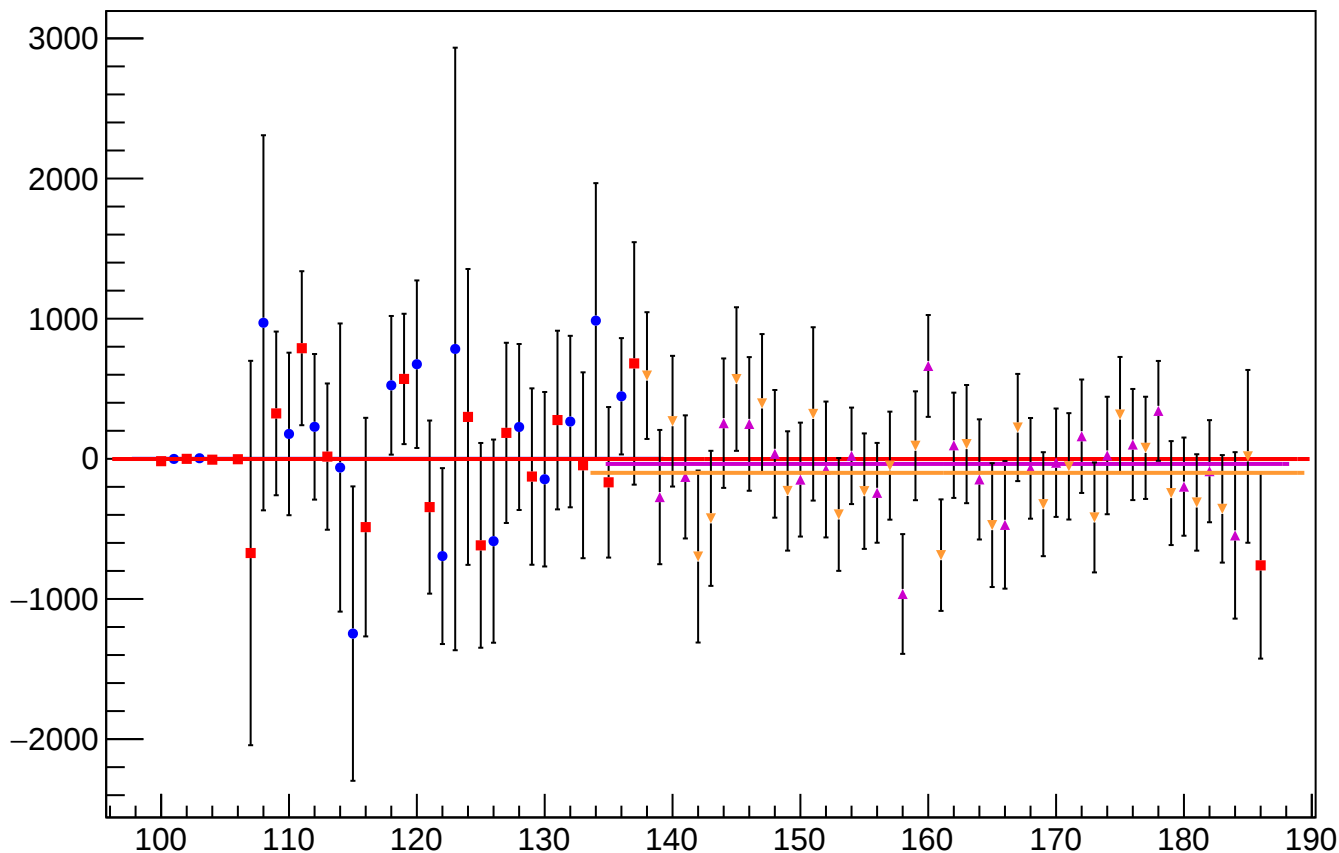
Left In: 193.405 $\pm$ 0.034 χ^2 /NDF: 1172169.3/22

+ sign 203.262 $\pm$ 0.031 χ^2 /NDF: 5663363.7/41

All: 196.829 $\pm$ 0.021 χ^2 /NDF: 11455039.3/84

- sign 190.927 $\pm$ 0.030 χ^2 /NDF: 5708142.4/42

asym_cav4dQ_mean vs Slug



Right In: -0.140 ± 1.737 χ^2/NDF : 10.0/16

Left Out: -100.058 ± 84.190 χ^2/NDF : 15.7/24

Right Out: -1.327 ± 1.623 χ^2/NDF : 10.7/19

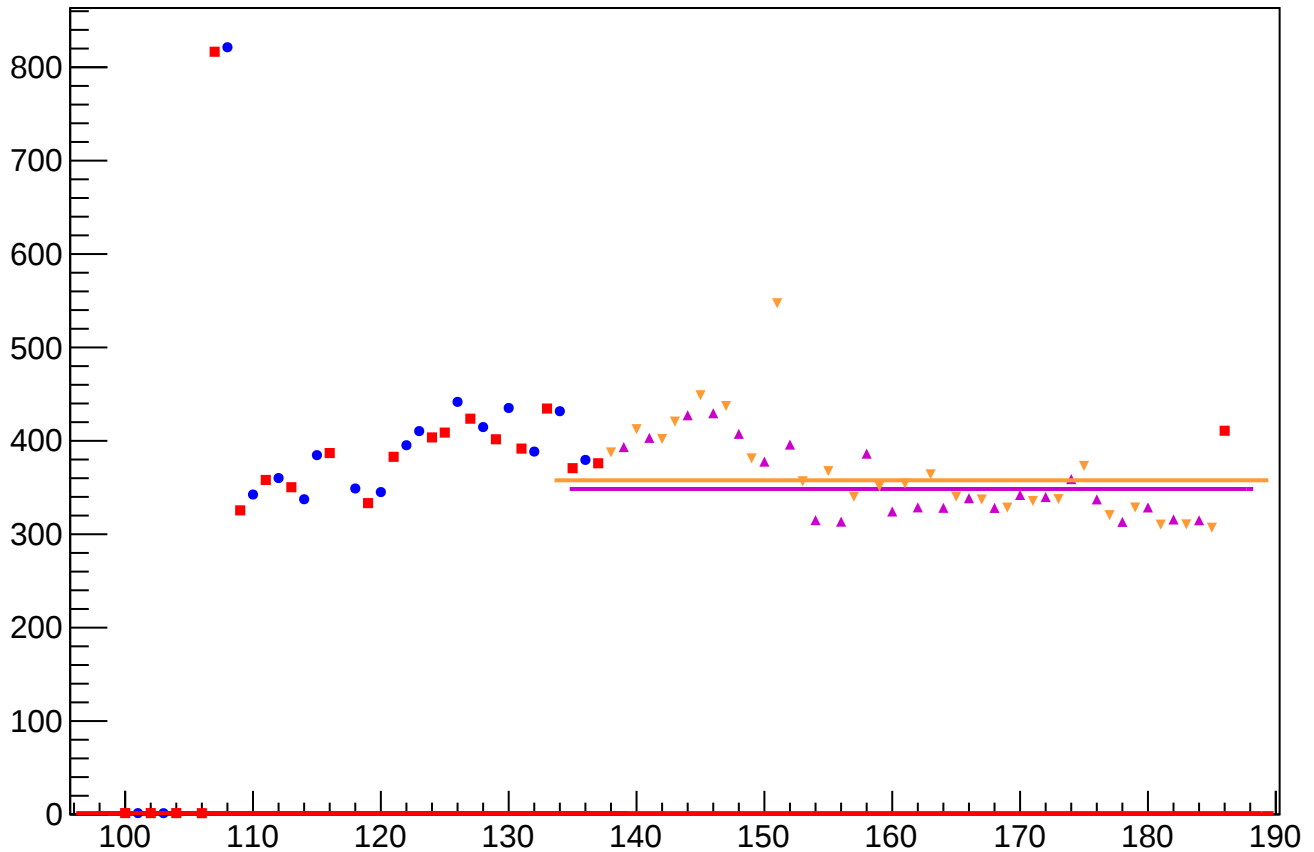
Left In: -36.497 ± 84.675 χ^2/NDF : 13.5/22

+ sign -0.182 ± 1.736 χ^2/NDF : 27.1/41

All: -0.800 ± 1.185 χ^2/NDF : 51.8/84

- sign -1.340 ± 1.622 χ^2/NDF : 24.4/42

asym_cav4dQ_rms vs Slug



Right In: 1.453 $\pm$ 0.001 χ^2/NDF : 10914608.7/16

Left Out: 357.771 $\pm$ 0.060 χ^2/NDF : 547124.8/24

Right Out: 1.453 $\pm$ 0.001 χ^2/NDF : 11595819.9/19

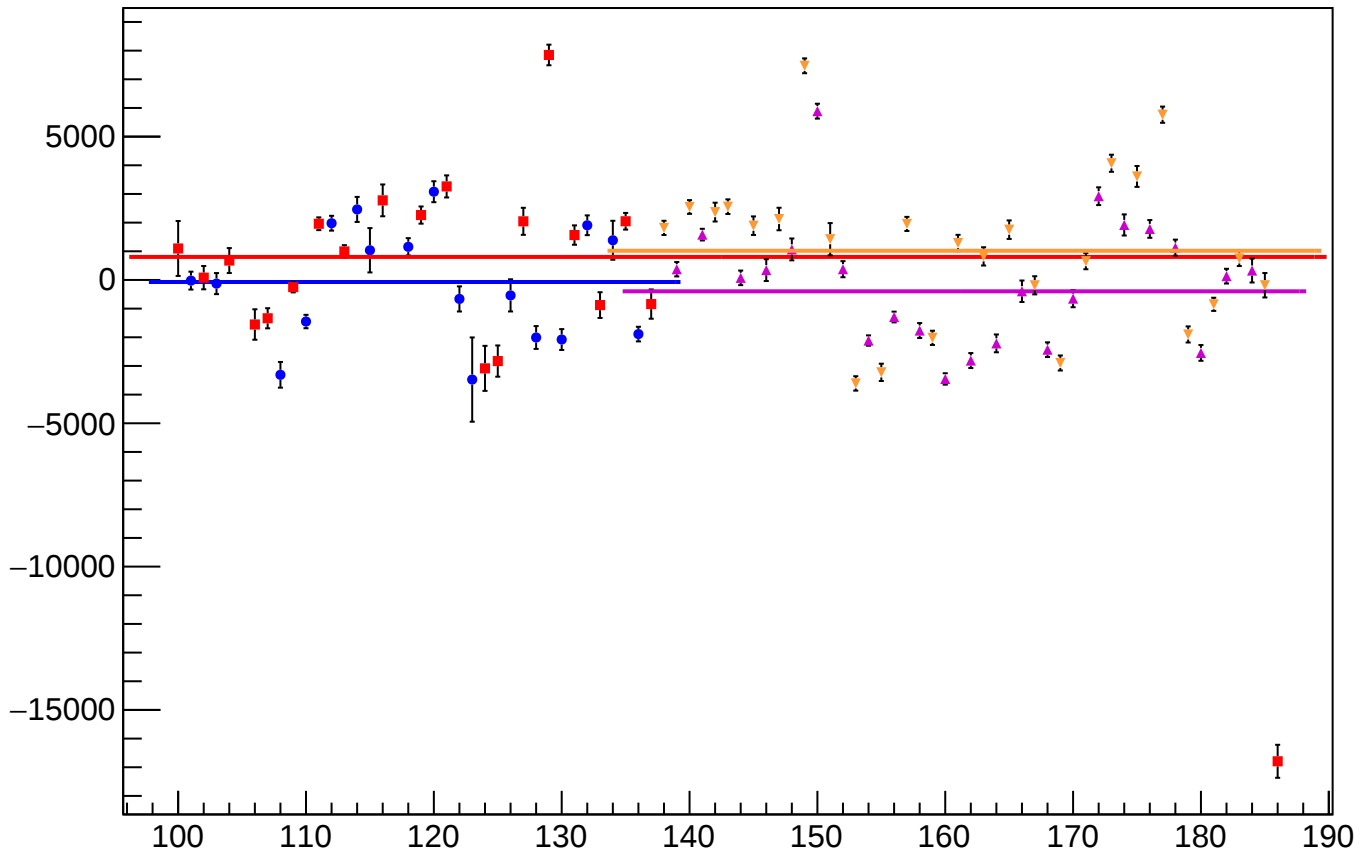
Left In: 348.464 $\pm$ 0.060 χ^2/NDF : 360425.7/22

+ sign 1.604 $\pm$ 0.001 χ^2/NDF : 47271666.4/41

All: 1.592 $\pm$ 0.001 χ^2/NDF : 92805189.8/84

- sign 1.581 $\pm$ 0.001 χ^2/NDF : 45533329.0/42

asym_bcm0l02_mean vs Slug



Right In: -71.539 ± 87.764 χ^2/NDF : 426.3/16

Left Out: 1018.965 ± 57.402 χ^2/NDF : 2310.1/24

Right Out: 803.658 ± 77.718 χ^2/NDF : 1640.7/19

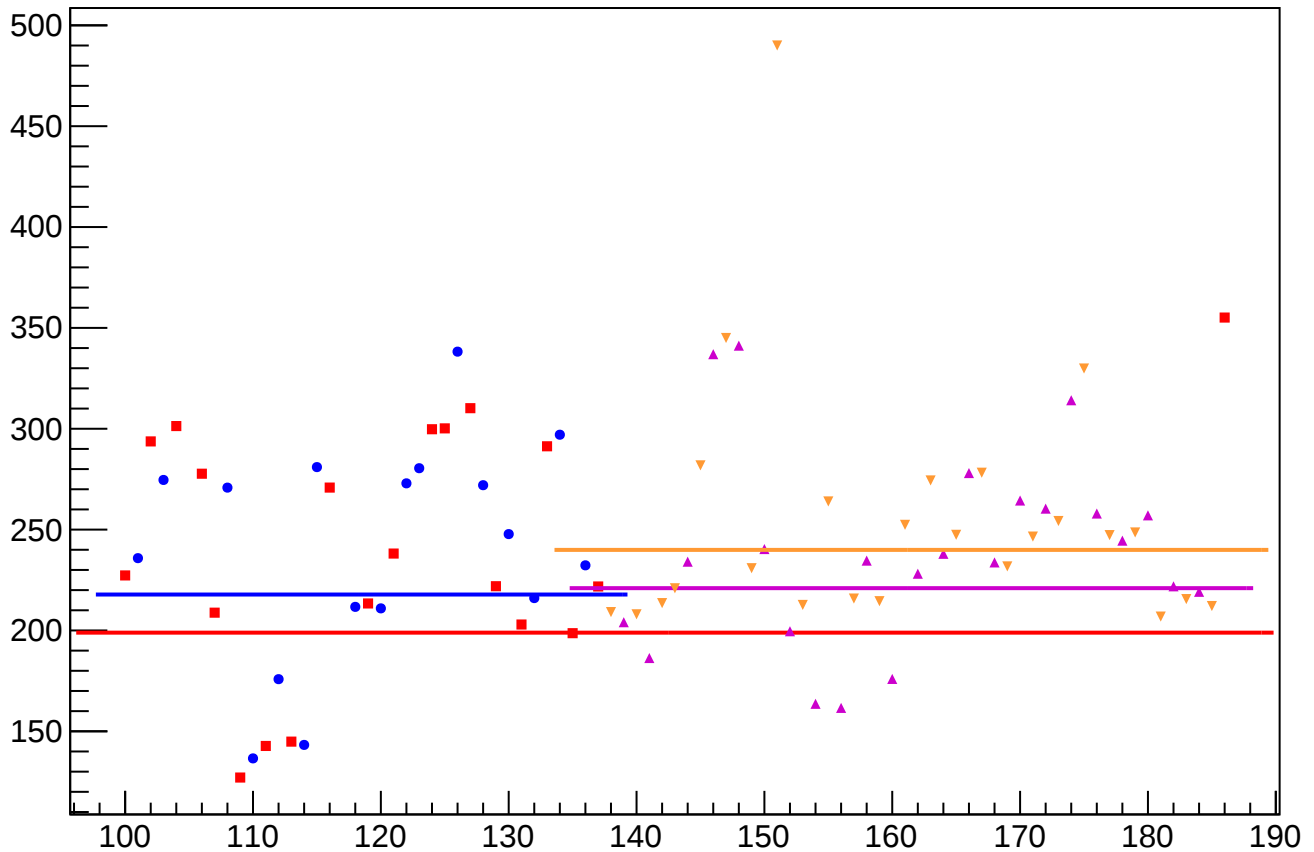
Left In: -396.609 ± 55.090 χ^2/NDF : 1581.0/22

+ sign 692.238 ± 48.039 χ^2/NDF : 2844.6/41

All: 325.656 ± 32.820 χ^2/NDF : 6334.2/84

- sign 4.792 ± 44.944 χ^2/NDF : 3380.5/42

asym_bcm0l02_rms vs Slug



Right In: 217.814 $\pm$ 0.062 χ^2 /NDF: 661049.8/16

Left Out: 239.942 $\pm$ 0.041 χ^2 /NDF:1000770.0/24

Right Out: 198.914 $\pm$ 0.055 χ^2 /NDF: 1339161.4/19

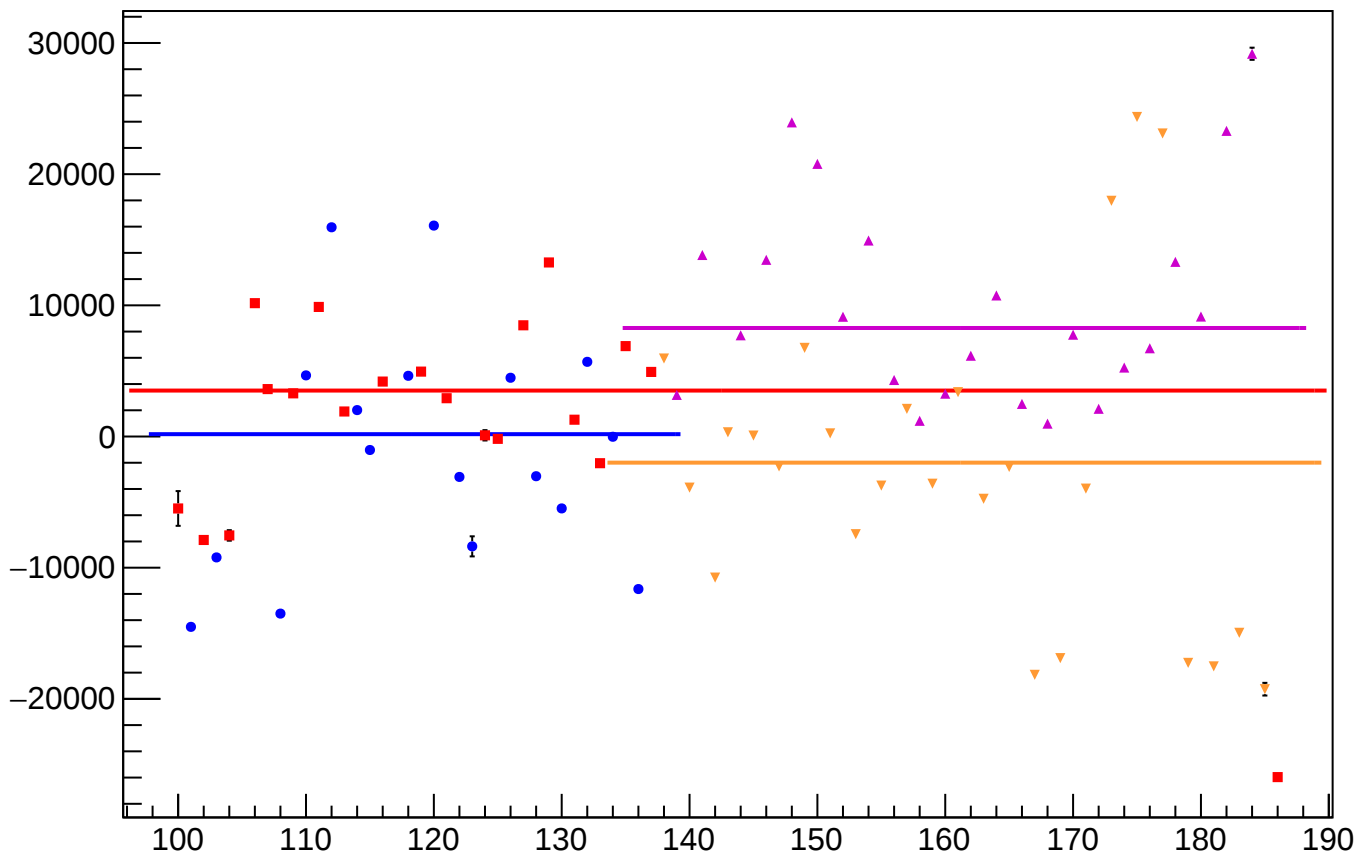
Left In: 220.972 $\pm$ 0.039 χ^2 /NDF:1327680.6/22

+ sign 233.312 $\pm$ 0.034 χ^2 /NDF: 1750865.1/41

All: 222.798 $\pm$ 0.023 χ^2 /NDF: 4704590.8/84

- sign 213.595 $\pm$ 0.032 χ^2 /NDF: 2774065.3/42

asym_bpm0i02WS_mean vs Slug



Right In: 178.788 ± 54.896 $\chi^2/\text{NDF}: 30662.2/16$

Left Out: -1991.788 ± 42.427 $\chi^2/\text{NDF}: 63766.6/24$

Right Out: 3503.372 ± 51.555 $\chi^2/\text{NDF}: 18780.9/19$

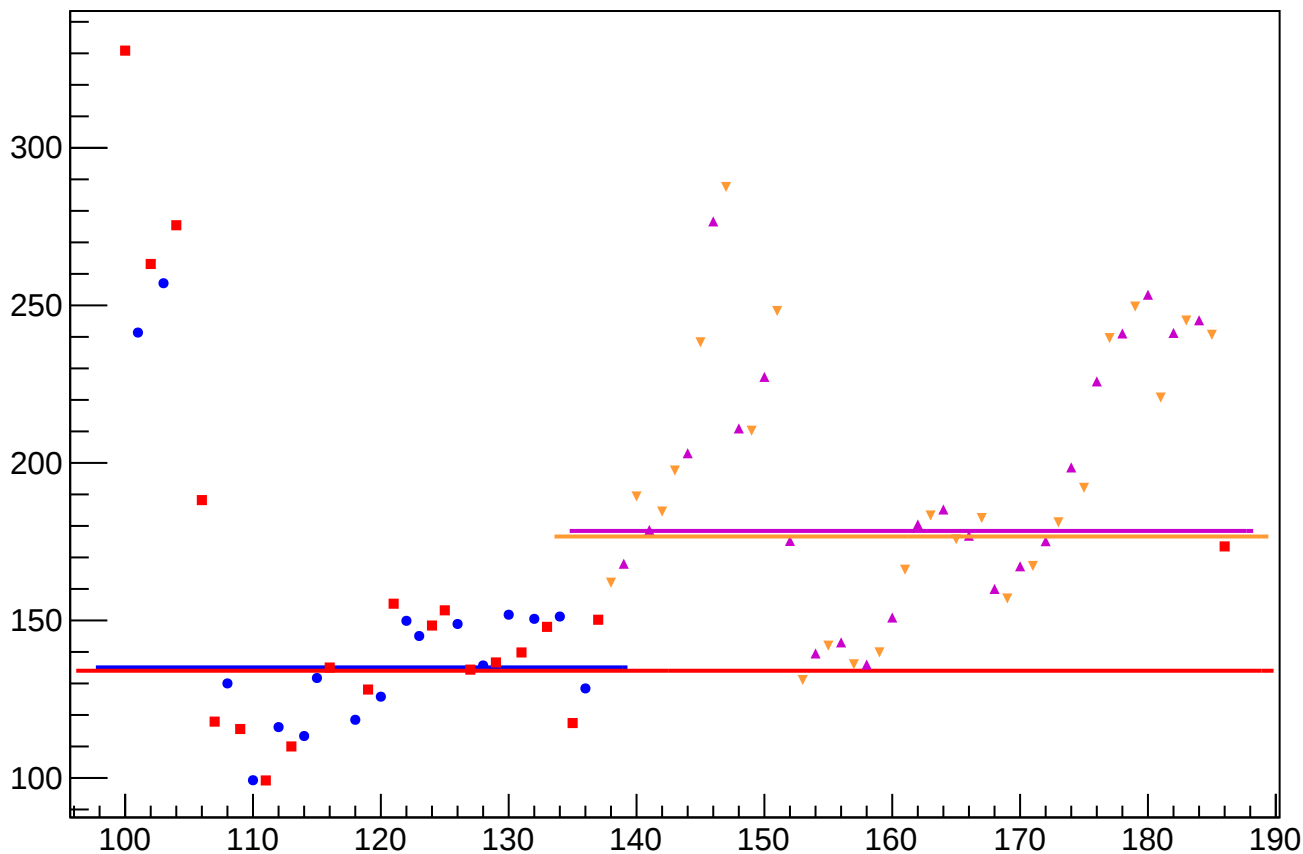
Left In: 8273.228 ± 44.301 $\chi^2/\text{NDF}: 22870.2/22$

+ sign -1180.117 ± 33.570 $\chi^2/\text{NDF}: 95407.5/41$

All: 2530.166 ± 23.748 $\chi^2/\text{NDF}: 166436.4/84$

- sign 6247.209 ± 33.600 $\chi^2/\text{NDF}: 46575.0/42$

asym_bpm0i02WS_rms vs Slug



Right In: 135.099 $\pm$ 0.039 χ^2 /NDF: 657657.4/16

Left Out: 176.641 $\pm$ 0.030 χ^2 /NDF:1551048.8/24

Right Out: 134.038 $\pm$ 0.036 χ^2 /NDF: 868914.0/19

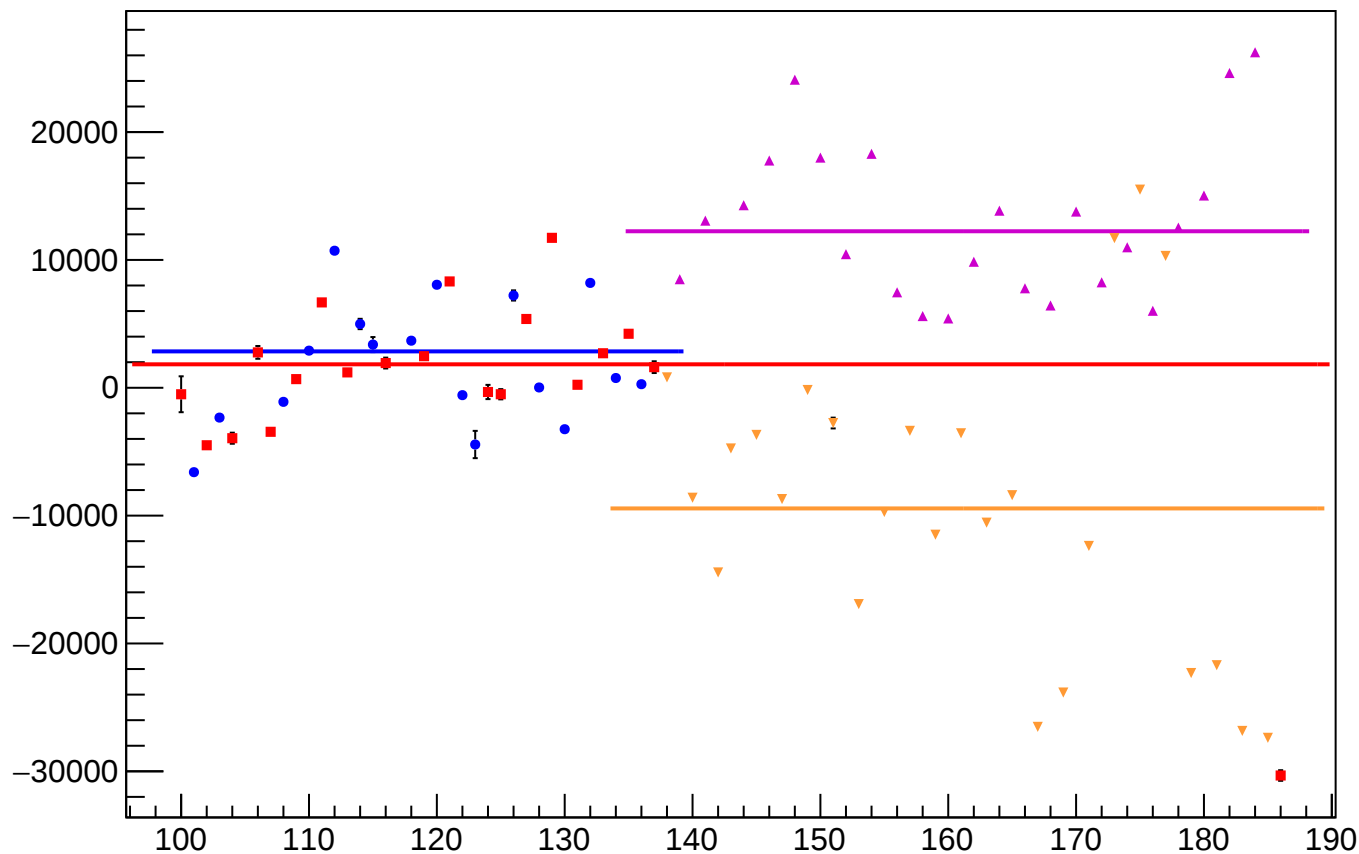
Left In: 178.413 $\pm$ 0.031 χ^2 /NDF:1293736.2/22

+ sign 161.106 $\pm$ 0.024 χ^2 /NDF: 2925731.3/41

All: 160.336 $\pm$ 0.017 χ^2 /NDF: 5942852.7/84

- sign 159.565 $\pm$ 0.024 χ^2 /NDF: 3015014.0/42

asym_bpm0i02aWS_mean vs Slug



Right In: 2846.117+/-70.894 χ^2/NDF : 4160.1/16

Left Out: -9437.408+/-45.534 χ^2/NDF : 62220.4/24

Right Out: 1834.858+/-64.900 χ^2/NDF : 9352.3/19

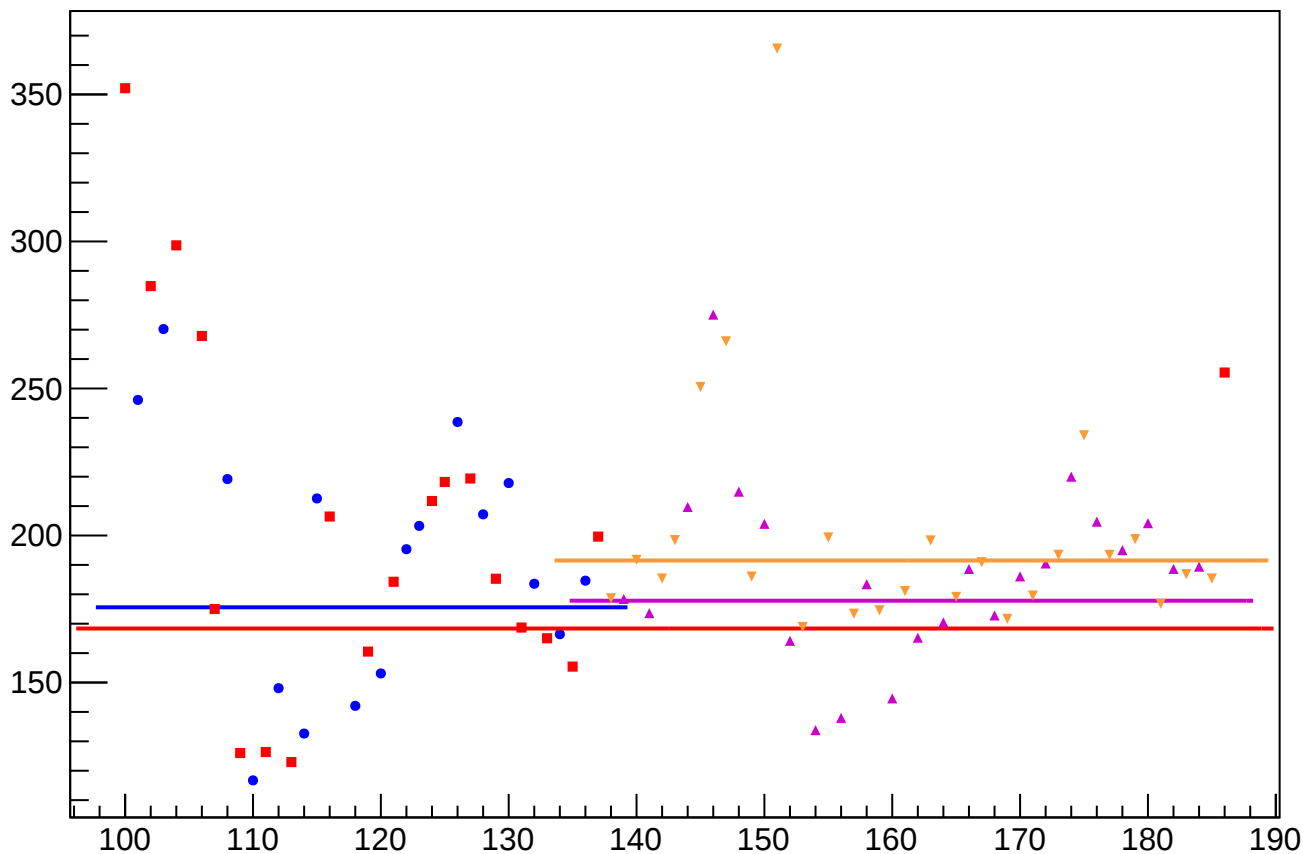
Left In: 12242.226+/-43.944 χ^2/NDF : 16615.8/22

+ sign -5849.984+/-38.312 χ^2/NDF : 87633.8/41

All: 1941.951+/-26.384 χ^2/NDF : 209907.8/84

- sign 8970.639+/-36.388 χ^2/NDF : 43599.7/42

asym_bpm0i02aWS_rms vs Slug



Right In: 175.582 $\pm$ 0.050 χ^2 /NDF: 687852.4/16

Left Out: 191.507 $\pm$ 0.032 χ^2 /NDF: 727251.6/24

Right Out: 168.369 $\pm$ 0.046 χ^2 /NDF: 1016035.2/19

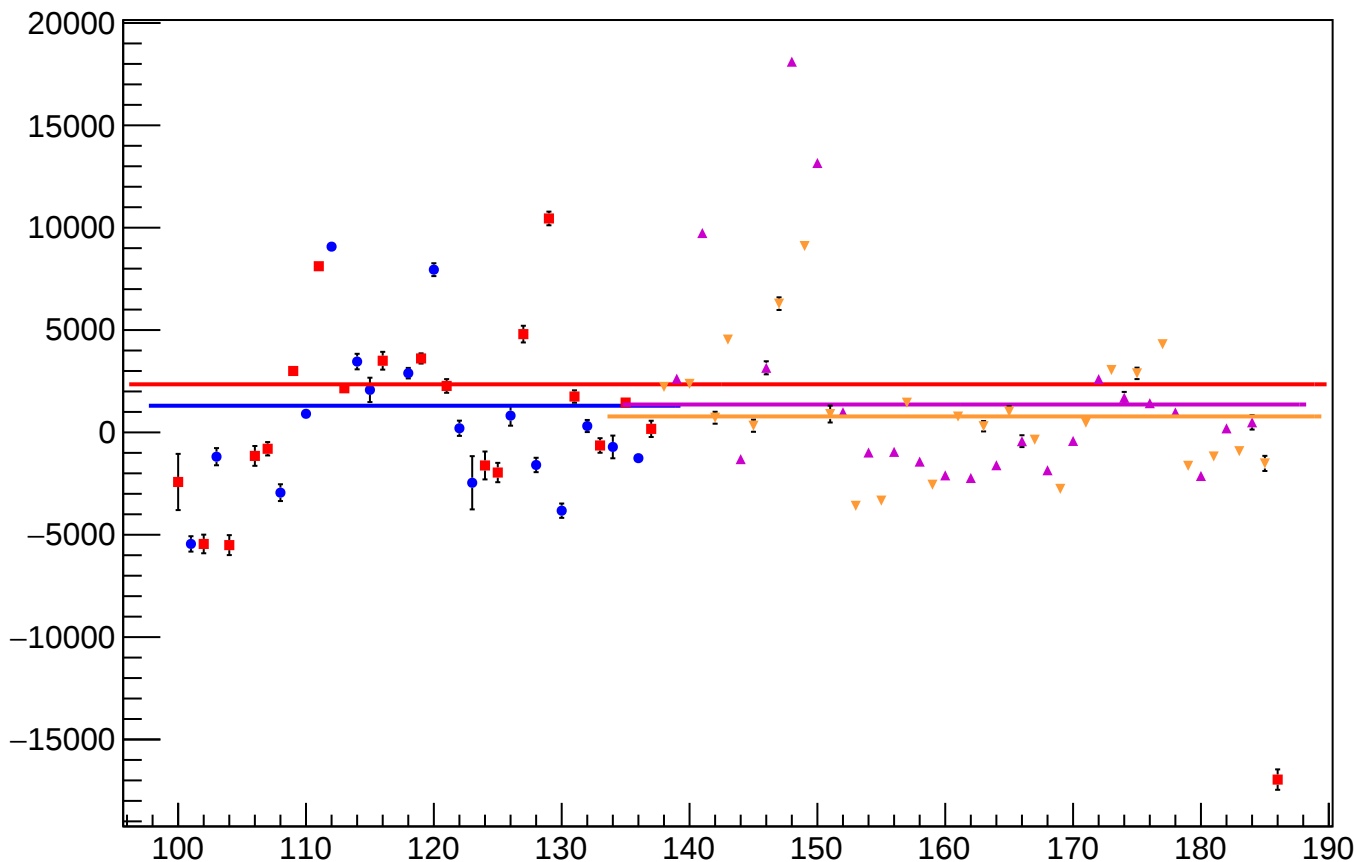
Left In: 177.821 $\pm$ 0.031 χ^2 /NDF: 862494.4/22

+ sign 186.856 $\pm$ 0.027 χ^2 /NDF: 1486548.2/41

All: 180.544 $\pm$ 0.019 χ^2 /NDF: 3497423.6/84

- sign 174.850 $\pm$ 0.026 χ^2 /NDF: 1907619.4/42

asym_bpm0i05WS_mean vs Slug



Right In: 1302.950+/-77.323 χ^2/NDF : 2649.9/16

Left Out: 779.983+/-47.457 χ^2/NDF : 4260.8/24

Right Out: 2348.875+/-69.332 χ^2/NDF : 4025.5/19

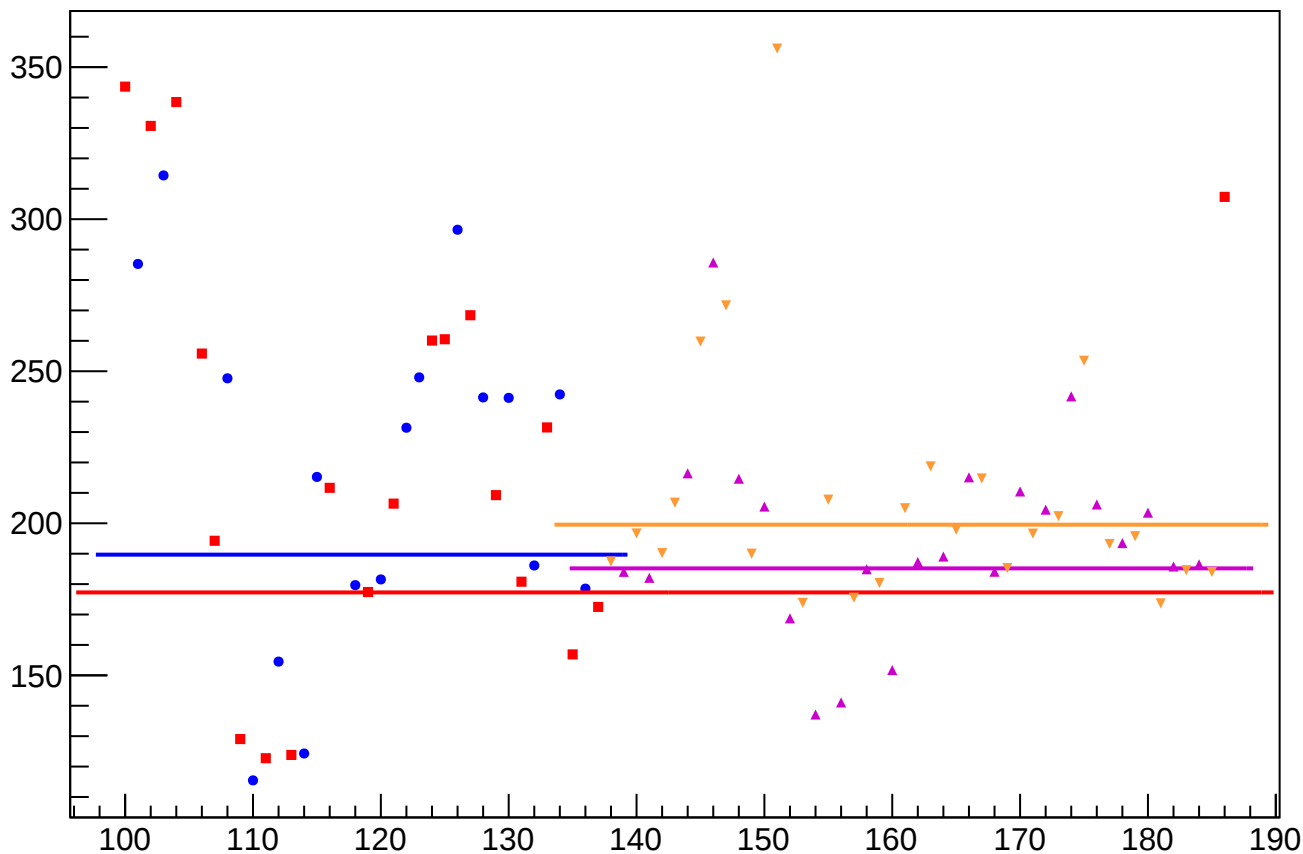
Left In: 1363.043+/-45.807 χ^2/NDF : 11632.9/22

+ sign 923.078+/-40.447 χ^2/NDF : 6943.9/41

All: 1313.773+/-27.779 χ^2/NDF : 22919.6/84

- sign 1662.605+/-38.219 χ^2/NDF : 15799.1/42

asym_bpm0i05WS_rms vs Slug



Right In: 189.687 ± 0.055 χ^2/NDF : 977199.2/16

Left Out: 199.547 ± 0.034 χ^2/NDF : 729356.3/24

Right Out: 177.270 ± 0.049 χ^2/NDF : 1429809.6/19

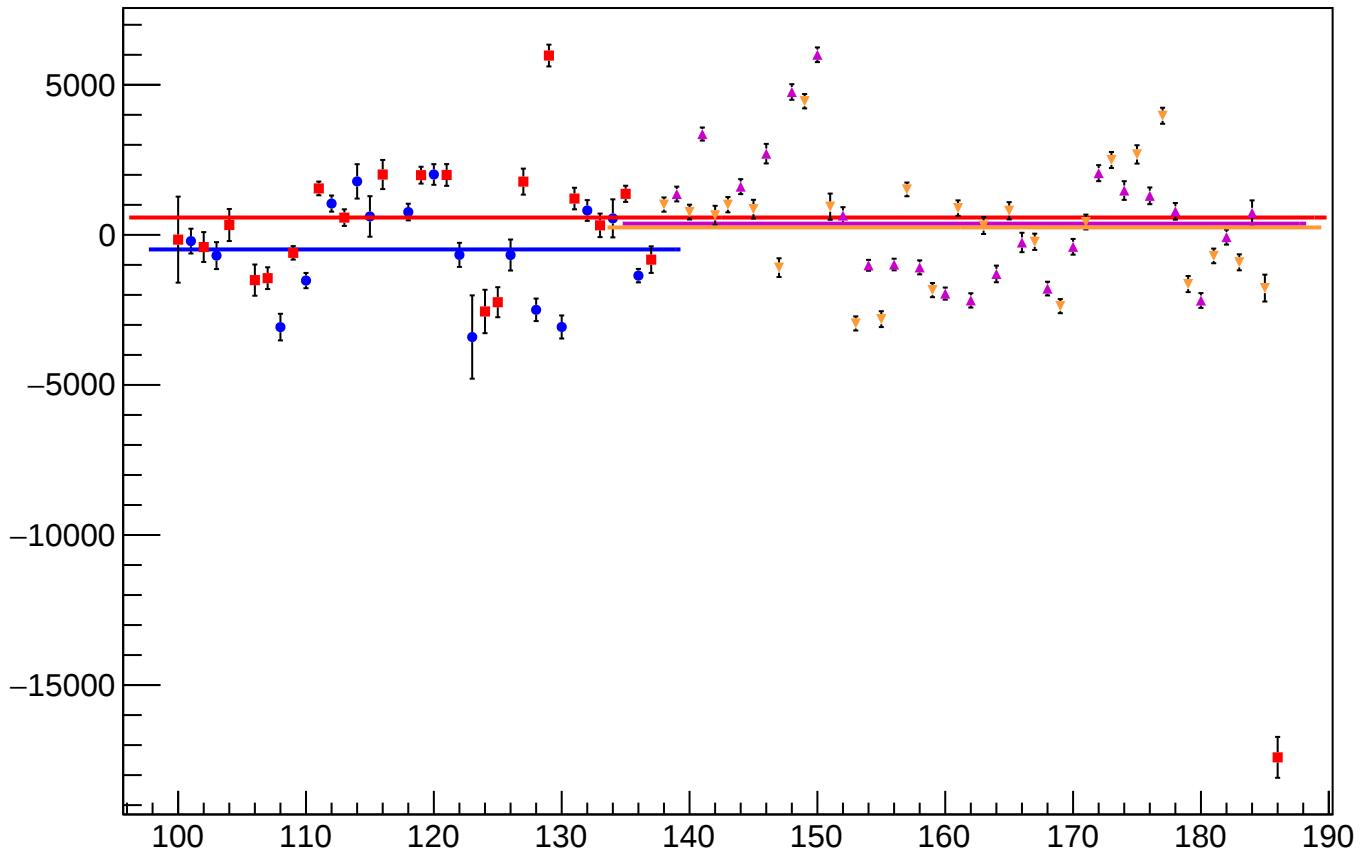
Left In: 185.171 ± 0.032 χ^2/NDF : 882752.2/22

+ sign 196.849 ± 0.029 χ^2/NDF : 1730177.5/41

All: 189.411 ± 0.020 χ^2/NDF : 4188845.3/84

- sign 182.770 ± 0.027 χ^2/NDF : 2330642.1/42

asym_bpm0i07WS_mean vs Slug



Right In: -485.036+/-88.788 χ^2/NDF : 285.3/16

Left Out: 247.844+/-53.555 χ^2/NDF :1355.1/24

Right Out: 578.583+/-81.640 χ^2/NDF : 1145.3/19

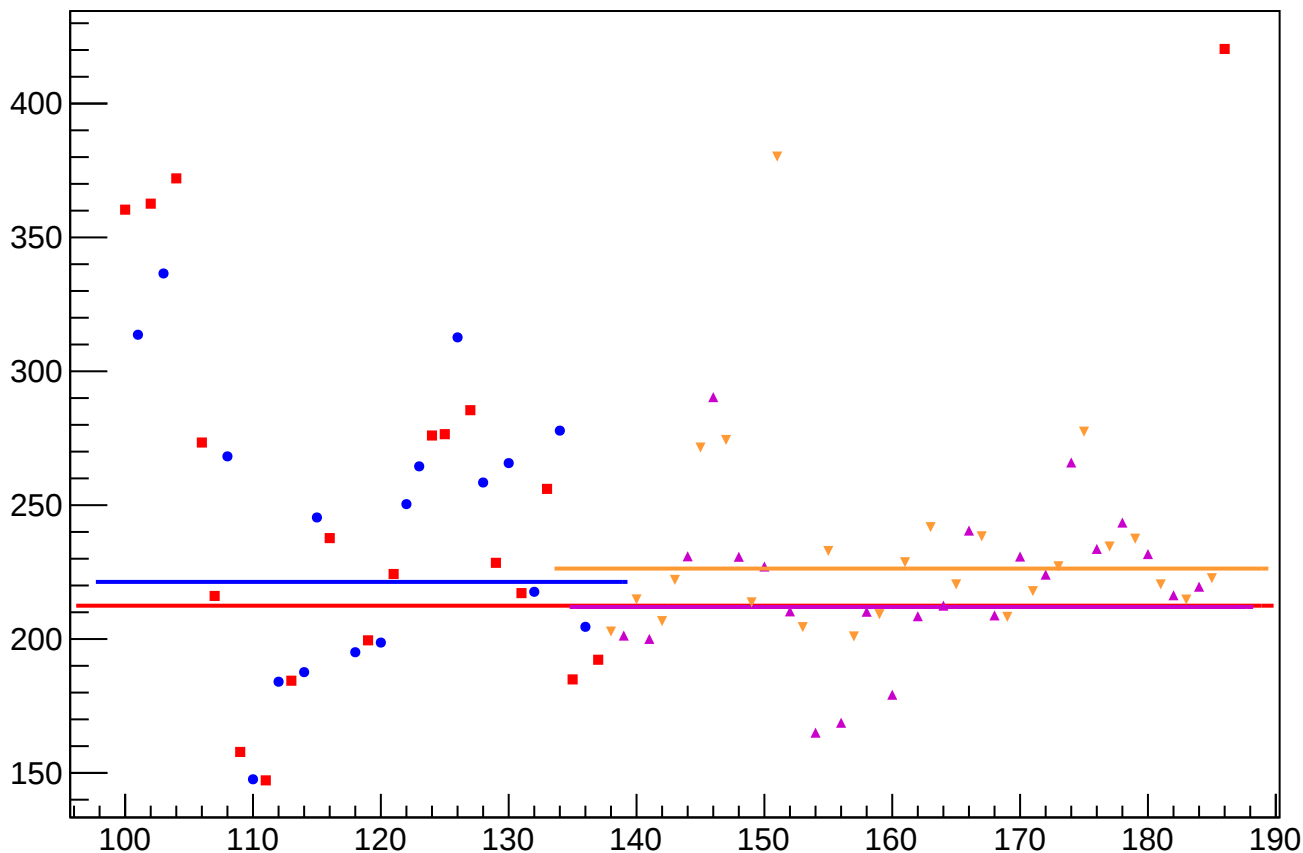
Left In: 374.122+/-52.049 χ^2/NDF :1801.0/22

+ sign 52.337+/-45.859 χ^2/NDF : 1690.3/41

All: 251.131+/-31.707 χ^2/NDF : 4677.1/84

- sign 433.210+/-43.888 χ^2/NDF : 2950.8/42

asym_bpm0i07WS_rms vs Slug



Right In: 221.339 $\pm$ 0.063 χ^2 /NDF: 645507.4/16

Left Out: 226.322 $\pm$ 0.038 χ^2 /NDF: 521041.8/24

Right Out: 212.457 $\pm$ 0.058 χ^2 /NDF: 1068273.5/19

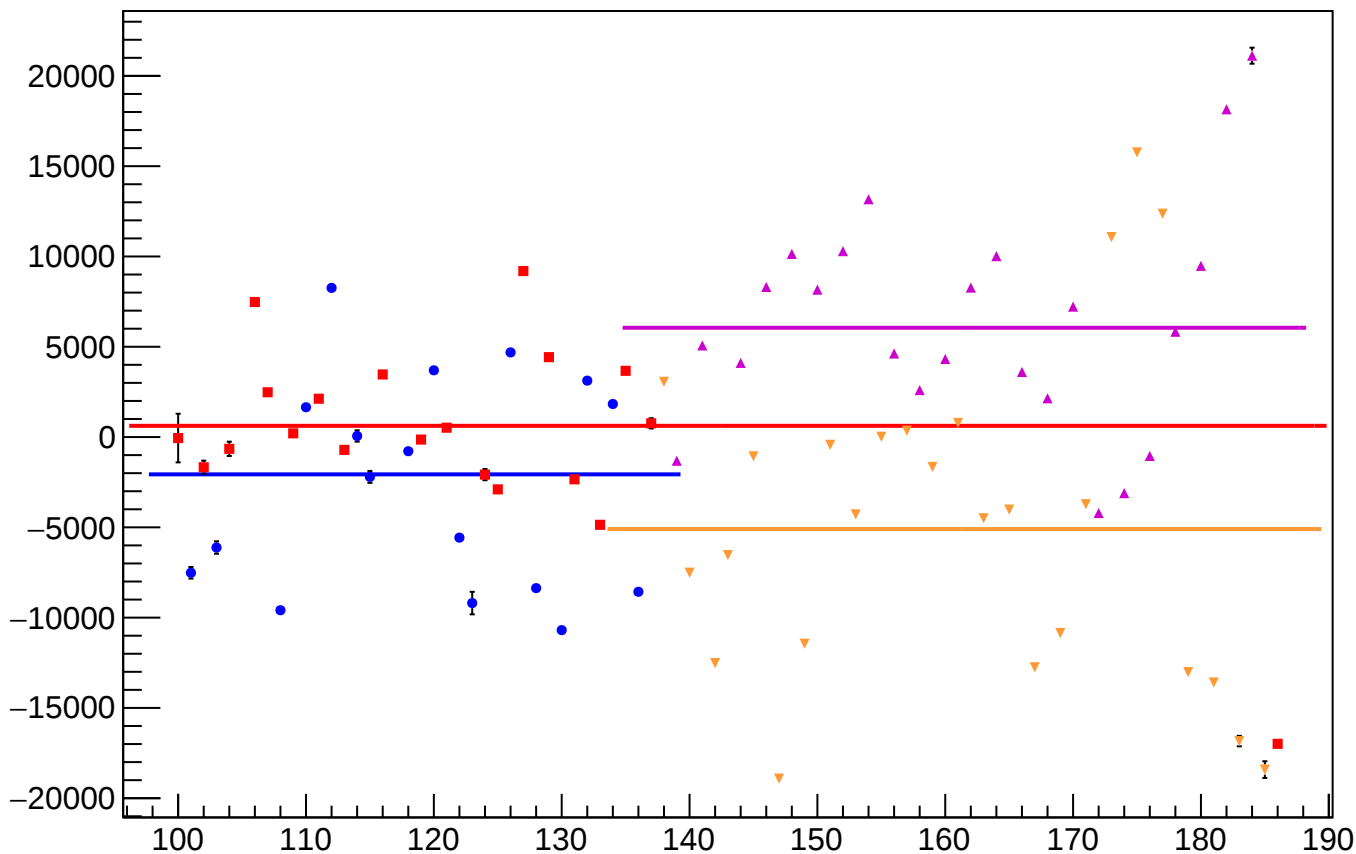
Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

+ sign 224.993 $\pm$ 0.032 χ^2 /NDF: 1171167.8/41

All: 218.269 $\pm$ 0.022 χ^2 /NDF: 2906204.8/84

- sign 212.111 $\pm$ 0.031 χ^2 /NDF: 1652668.5/42

asym_bpm1i02WS_mean vs Slug



Right In: -2065.524 $\pm$ 47.407 χ^2 /NDF: 16535.7/16

Left Out: -5095.305 $\pm$ 33.703 χ^2 /NDF: 54395.4/24

Right Out: 622.036 $\pm$ 44.140 χ^2 /NDF: 12024.8/19

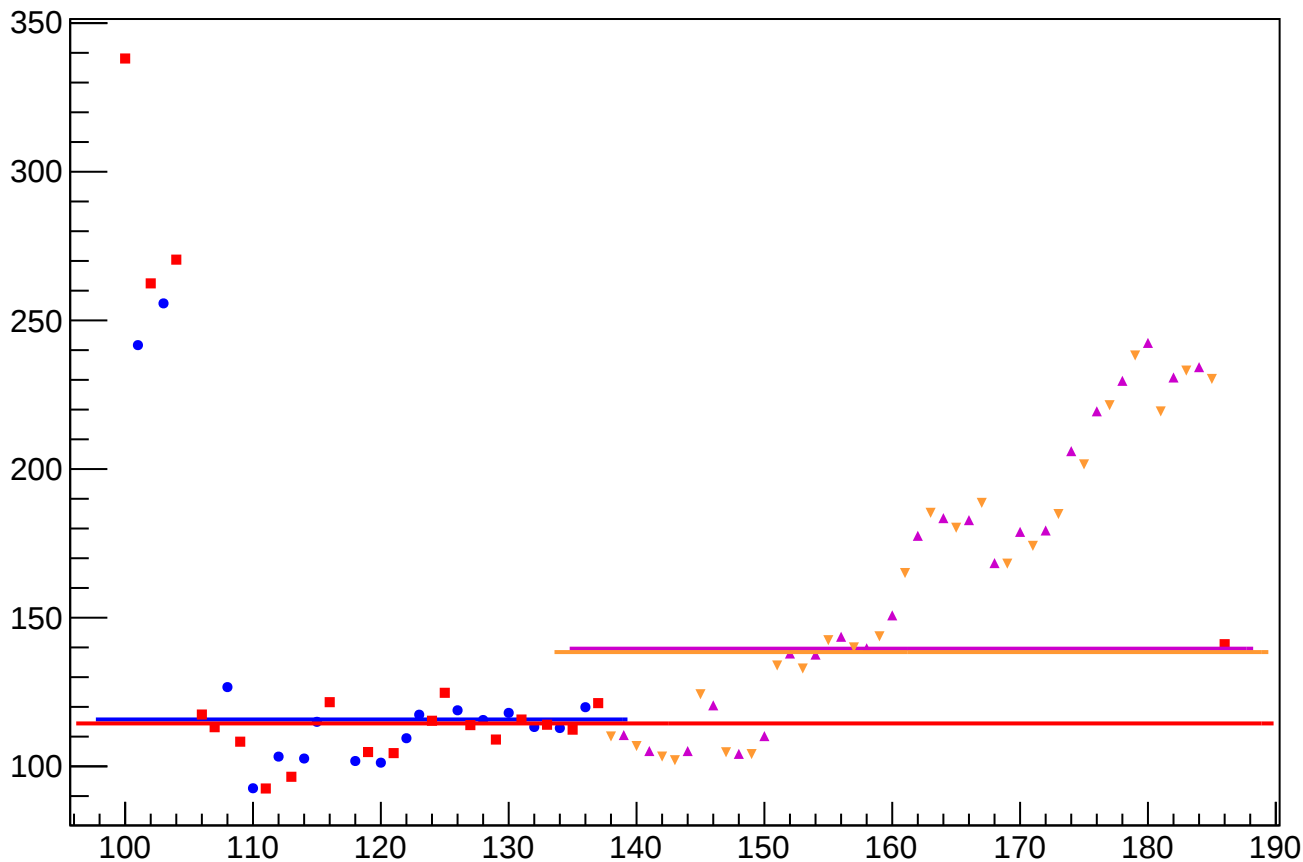
Left In: 6053.569 $\pm$ 34.998 χ^2 /NDF: 17590.3/22

+ sign -4078.083 $\pm$ 27.469 χ^2 /NDF: 73644.2/41

All: -53.927 $\pm$ 19.408 χ^2 /NDF: 155409.1/84

- sign 3957.004 $\pm$ 27.424 χ^2 /NDF: 38912.1/42

asym_bpm1i02WS_rms vs Slug



Right In: 115.768 $\pm$ 0.034 χ^2 /NDF: 743657.8/16

Left Out: 138.436 $\pm$ 0.024 χ^2 /NDF: 2549435.8/24

Right Out: 114.434 $\pm$ 0.031 χ^2 /NDF: 823324.5/19

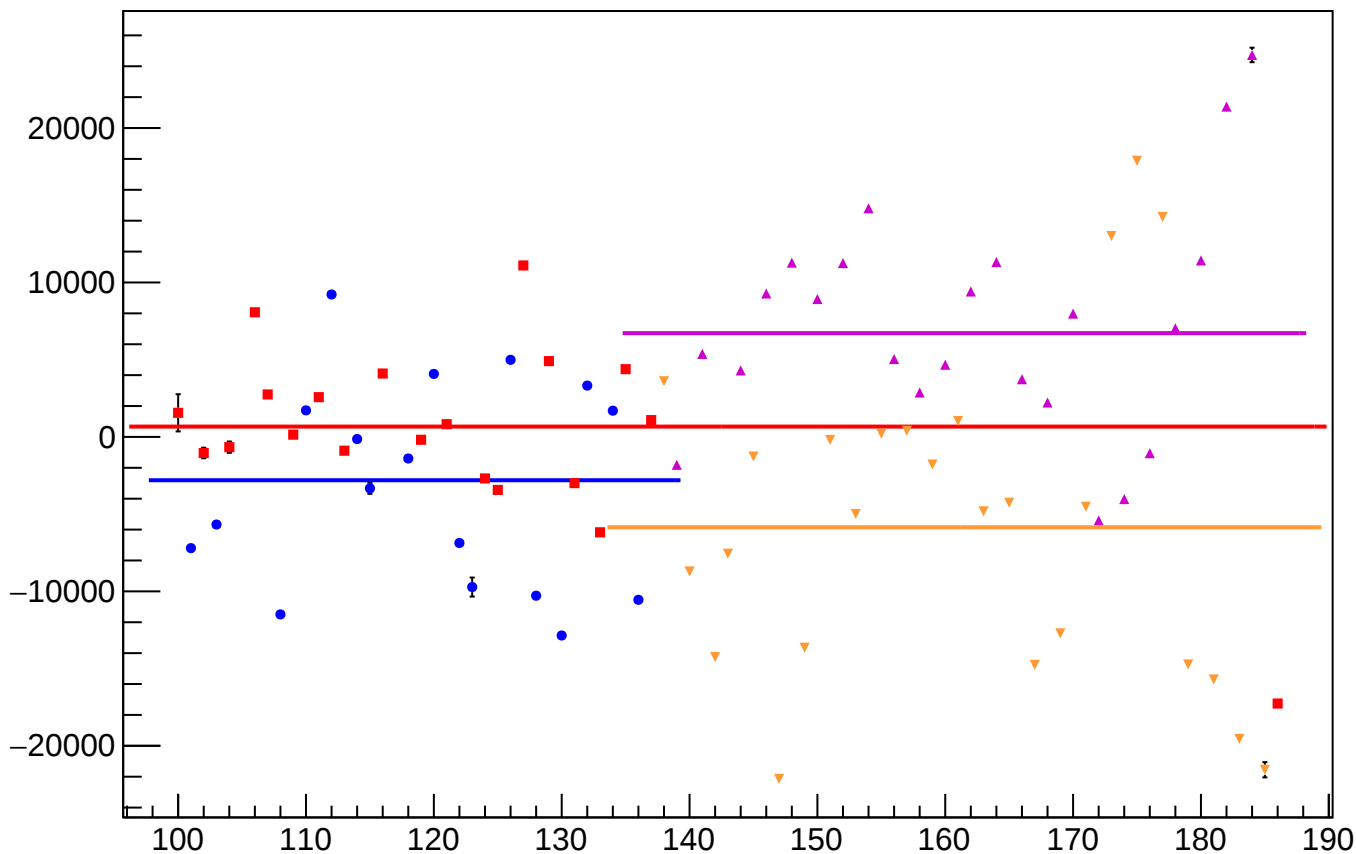
Left In: 139.578 $\pm$ 0.025 χ^2 /NDF: 2413658.9/22

+ sign 130.825 $\pm$ 0.019 χ^2 /NDF: 3596837.7/41

All: 130.348 $\pm$ 0.014 χ^2 /NDF: 7233480.6/84

- sign 129.872 $\pm$ 0.019 χ^2 /NDF: 3635438.0/42

asym_bpm2i01WS_mean vs Slug



Right In: -2805.410 ± 48.358 $\chi^2/\text{NDF}: 21259.6/16$

Left Out: -5852.544 ± 35.880 $\chi^2/\text{NDF}: 63411.4/24$

Right Out: 669.627 ± 45.390 $\chi^2/\text{NDF}: 14851.1/19$

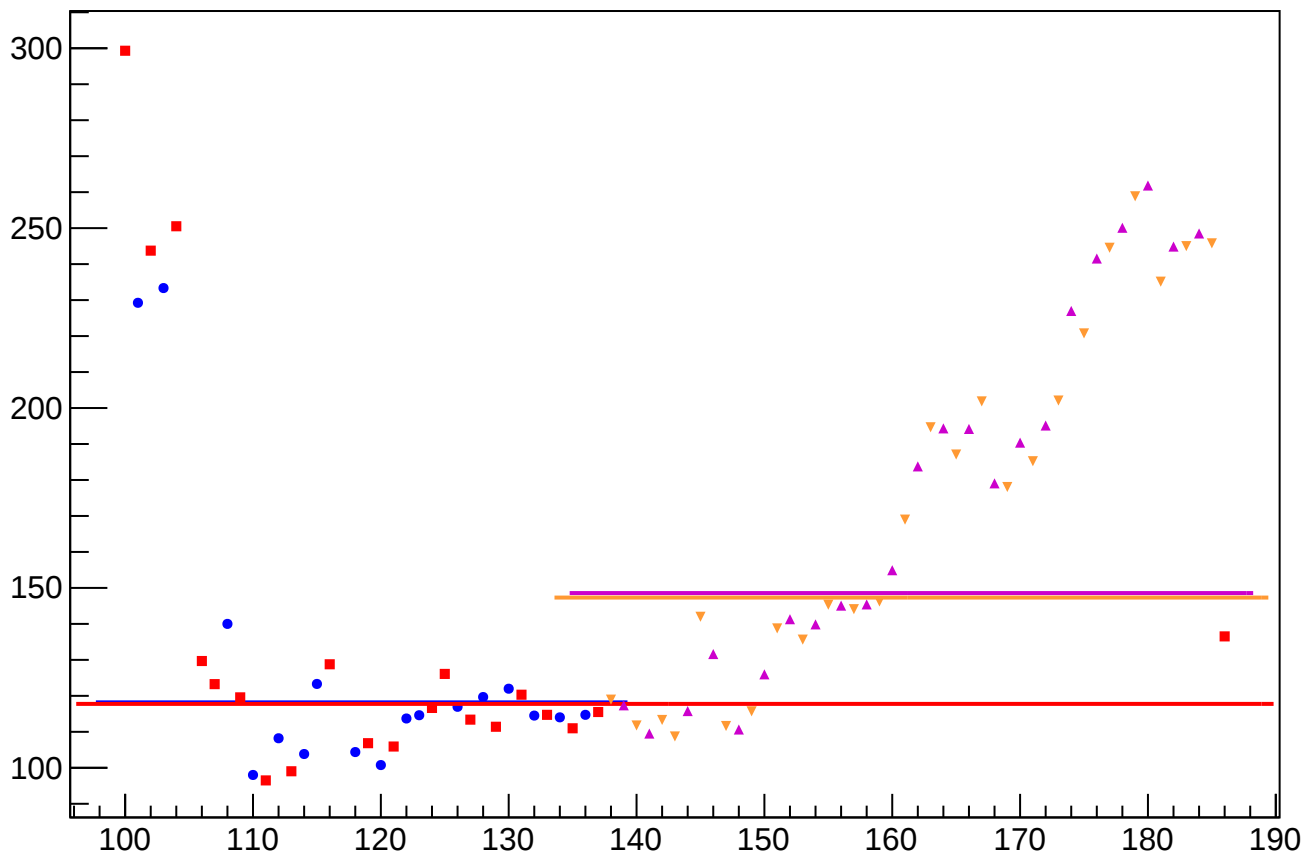
Left In: 6718.475 ± 37.276 $\chi^2/\text{NDF}: 20934.3/22$

+ sign -4770.671 ± 28.815 $\chi^2/\text{NDF}: 87231.8/41$

All: -242.999 ± 20.372 $\chi^2/\text{NDF}: 182989.8/84$

- sign 4282.114 ± 28.807 $\chi^2/\text{NDF}: 46391.8/42$

asym_bpm2i01WS_rms vs Slug



Right In: 118.187 $\pm$ 0.034 χ^2 /NDF: 636345.5/16

Left Out: 147.317 $\pm$ 0.025 χ^2 /NDF: 2511679.9/24

Right Out: 117.764 $\pm$ 0.032 χ^2 /NDF: 704319.5/19

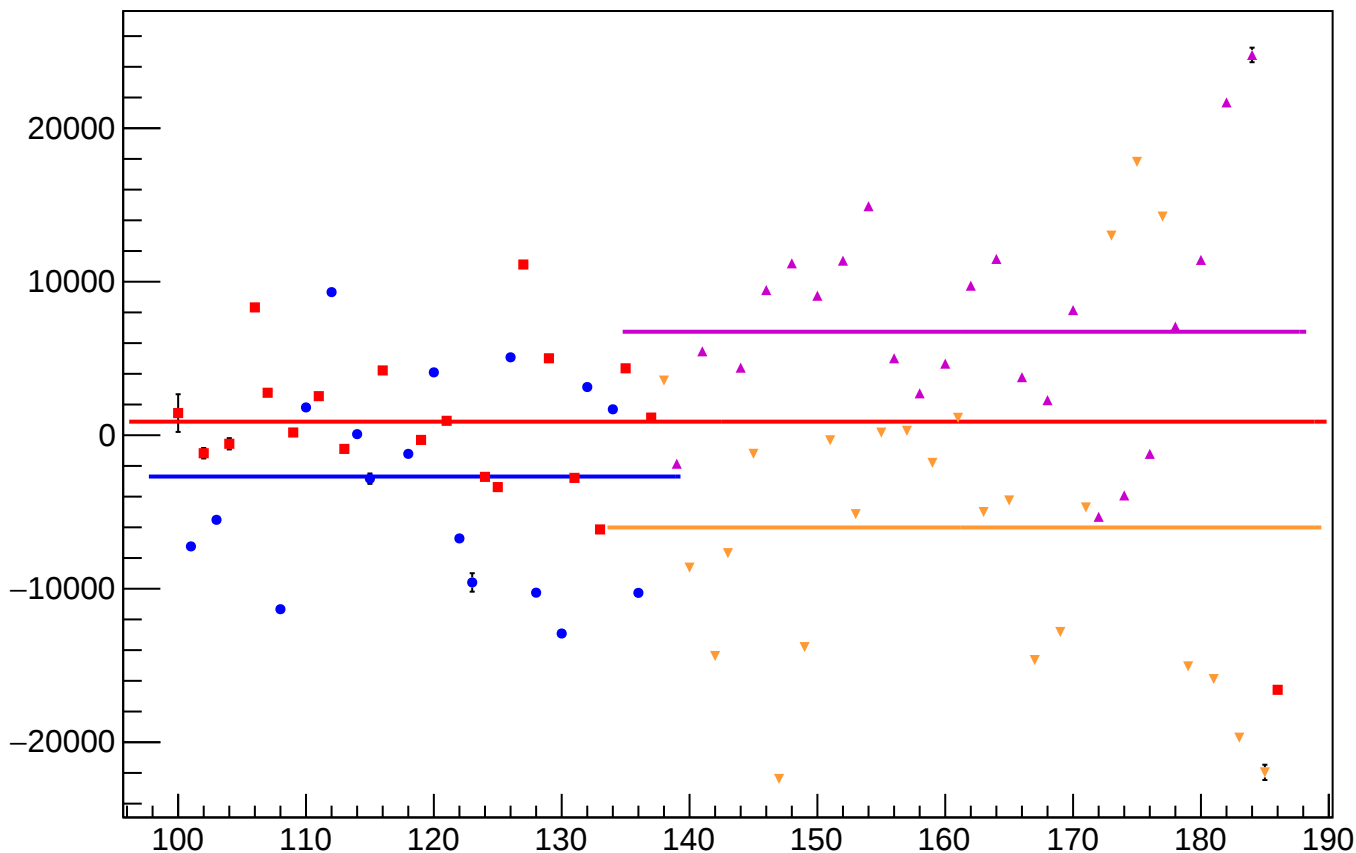
Left In: 148.569 $\pm$ 0.026 χ^2 /NDF: 2393185.0/22

+ sign 136.975 $\pm$ 0.020 χ^2 /NDF: 3616084.1/41

All: 136.568 $\pm$ 0.014 χ^2 /NDF: 7264517.3/84

- sign 136.161 $\pm$ 0.020 χ^2 /NDF: 3647636.1/42

asym_bpm2i02WS_mean vs Slug



Right In: -2691.569 ± 46.420 $\chi^2/\text{NDF}: 22847.7/16$

Left Out: -6009.913 ± 35.082 $\chi^2/\text{NDF}: 67852.2/24$

Right Out: 883.279 ± 43.675 $\chi^2/\text{NDF}: 14233.2/19$

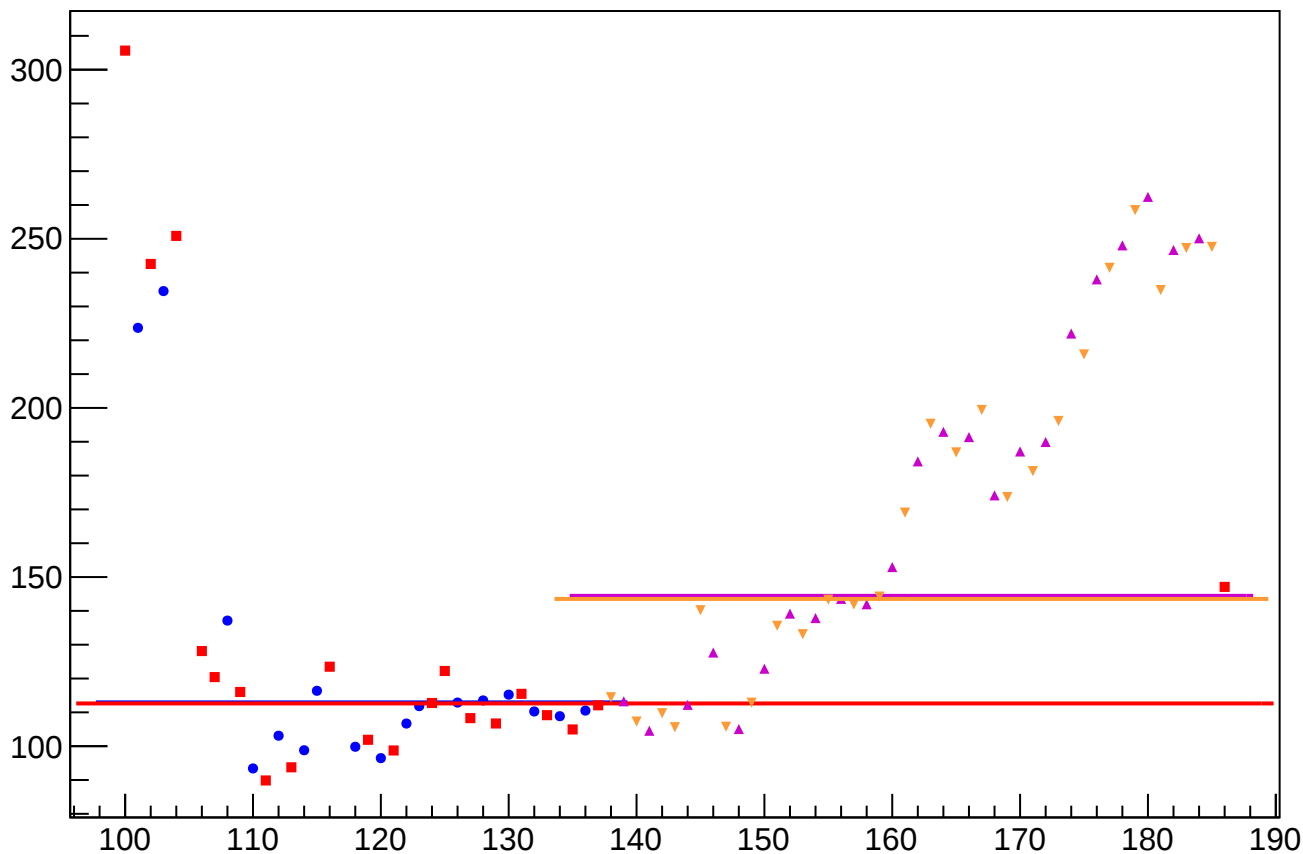
Left In: 6740.666 ± 36.379 $\chi^2/\text{NDF}: 22071.8/22$

+ sign -4803.572 ± 27.988 $\chi^2/\text{NDF}: 93952.4/41$

All: -225.271 ± 19.778 $\chi^2/\text{NDF}: 194324.7/84$

- sign 4341.370 ± 27.953 $\chi^2/\text{NDF}: 46923.8/42$

asym_bpm2i02WS_rms vs Slug



Right In: 112.944+/-0.033 χ^2/NDF : 680438.6/16

Left Out: 143.531+/-0.025 χ^2/NDF : 2704790.3/24

Right Out: 112.631+/-0.031 χ^2/NDF : 807022.4/19

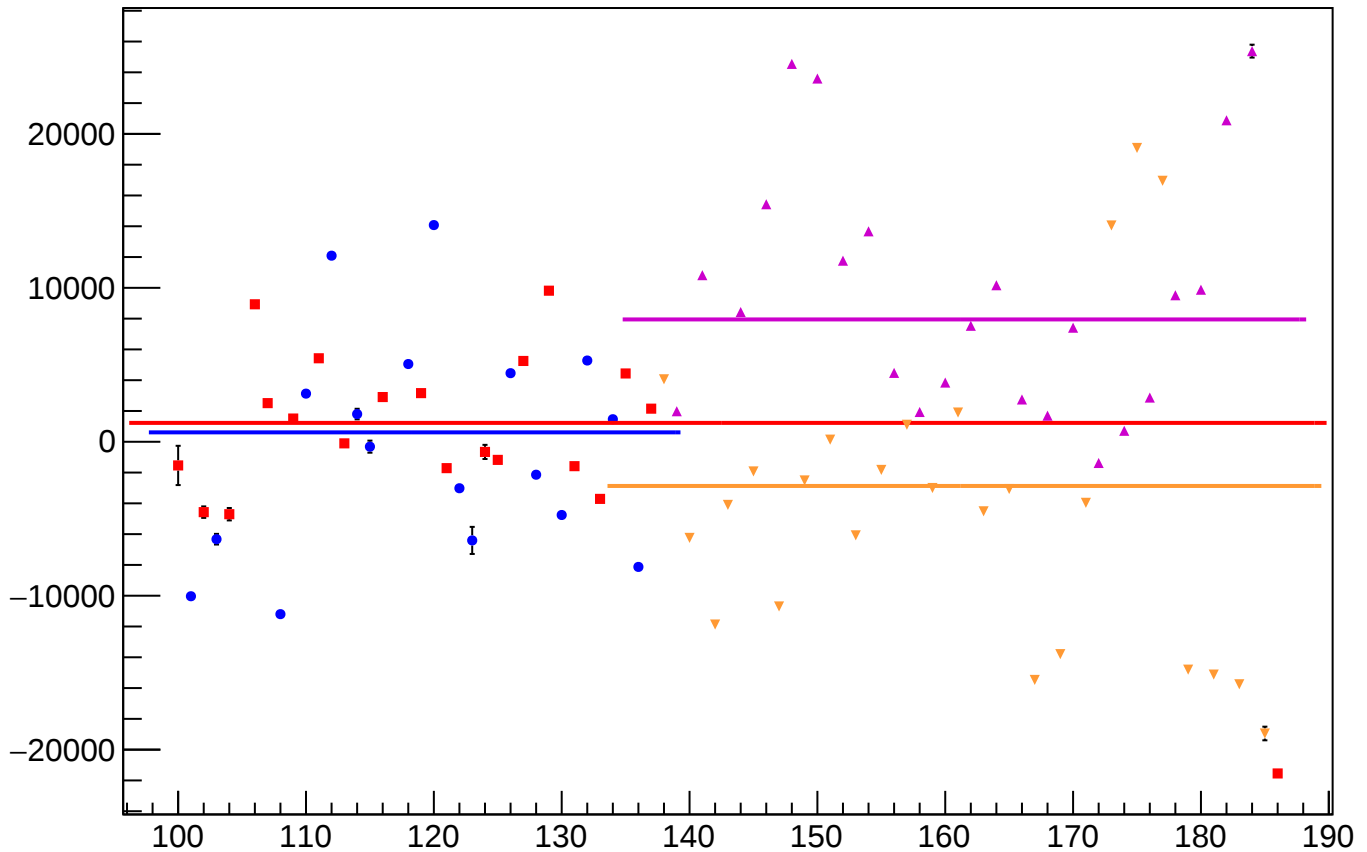
Left In: 144.440+/-0.026 χ^2/NDF : 2586926.1/22

+ sign 132.411+/-0.020 χ^2/NDF : 3937904.9/41

All: 131.910+/-0.014 χ^2/NDF : 7959440.5/84

- sign 131.410+/-0.020 χ^2/NDF : 4020254.9/42

asym_bpm0i01WS_mean vs Slug



Right In: 610.939 ± 56.154 $\chi^2/\text{NDF}: 18248.2/16$

Left Out: -2870.473 ± 39.482 $\chi^2/\text{NDF}: 46420.3/24$

Right Out: 1226.550 ± 52.947 $\chi^2/\text{NDF}: 11400.2/19$

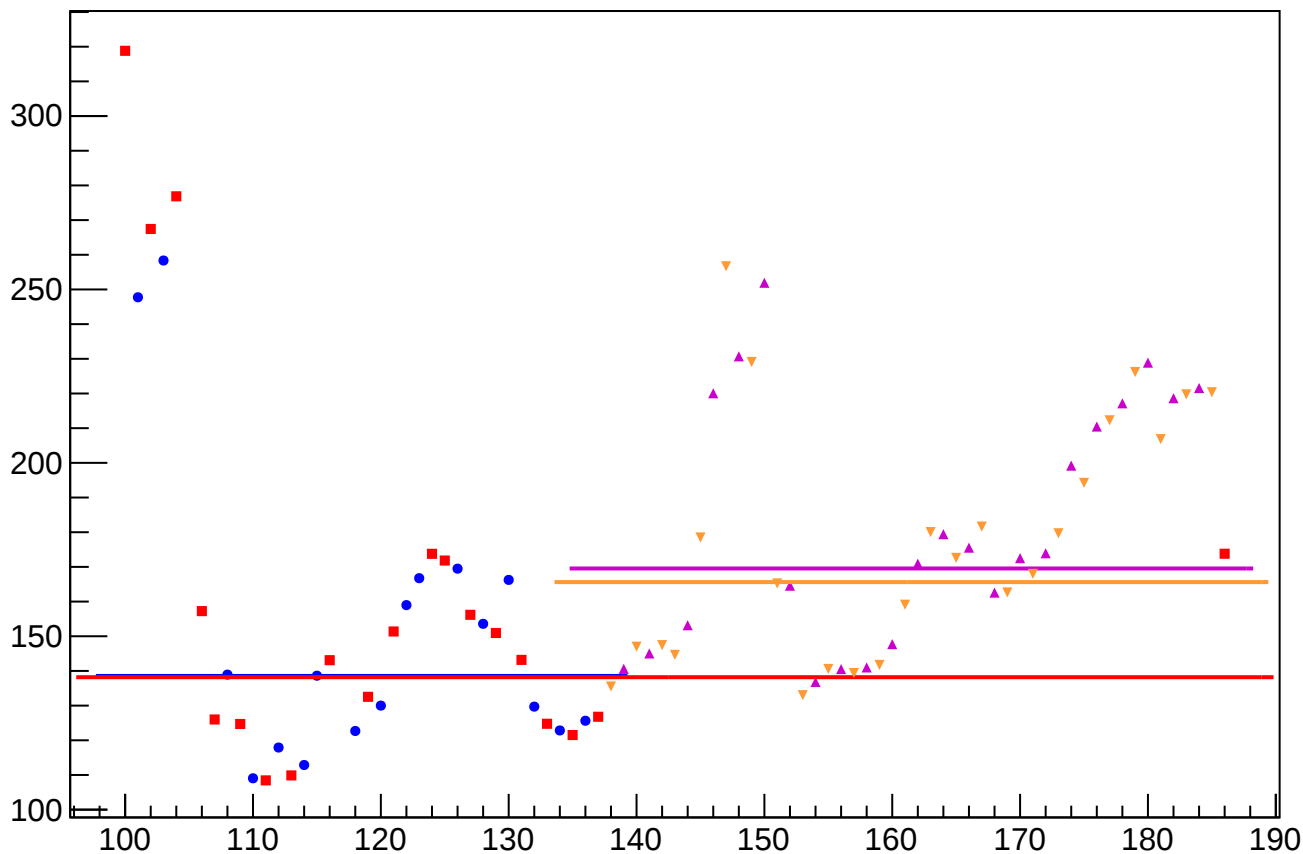
Left In: 7947.160 ± 41.726 $\chi^2/\text{NDF}: 23874.5/22$

+ sign -1718.763 ± 32.298 $\chi^2/\text{NDF}: 67240.6/41$

All: 1775.121 ± 23.004 $\chi^2/\text{NDF}: 136205.1/84$

- sign 5372.374 ± 32.772 $\chi^2/\text{NDF}: 45213.7/42$

asym_bpm0i01WS_rms vs Slug



Right In: 138.549 $\pm$ 0.040 χ^2 /NDF: 667663.4/16

Left Out: 165.616 $\pm$ 0.028 χ^2 /NDF:1144779.3/24

Right Out: 138.194 $\pm$ 0.037 χ^2 /NDF: 784436.1/19

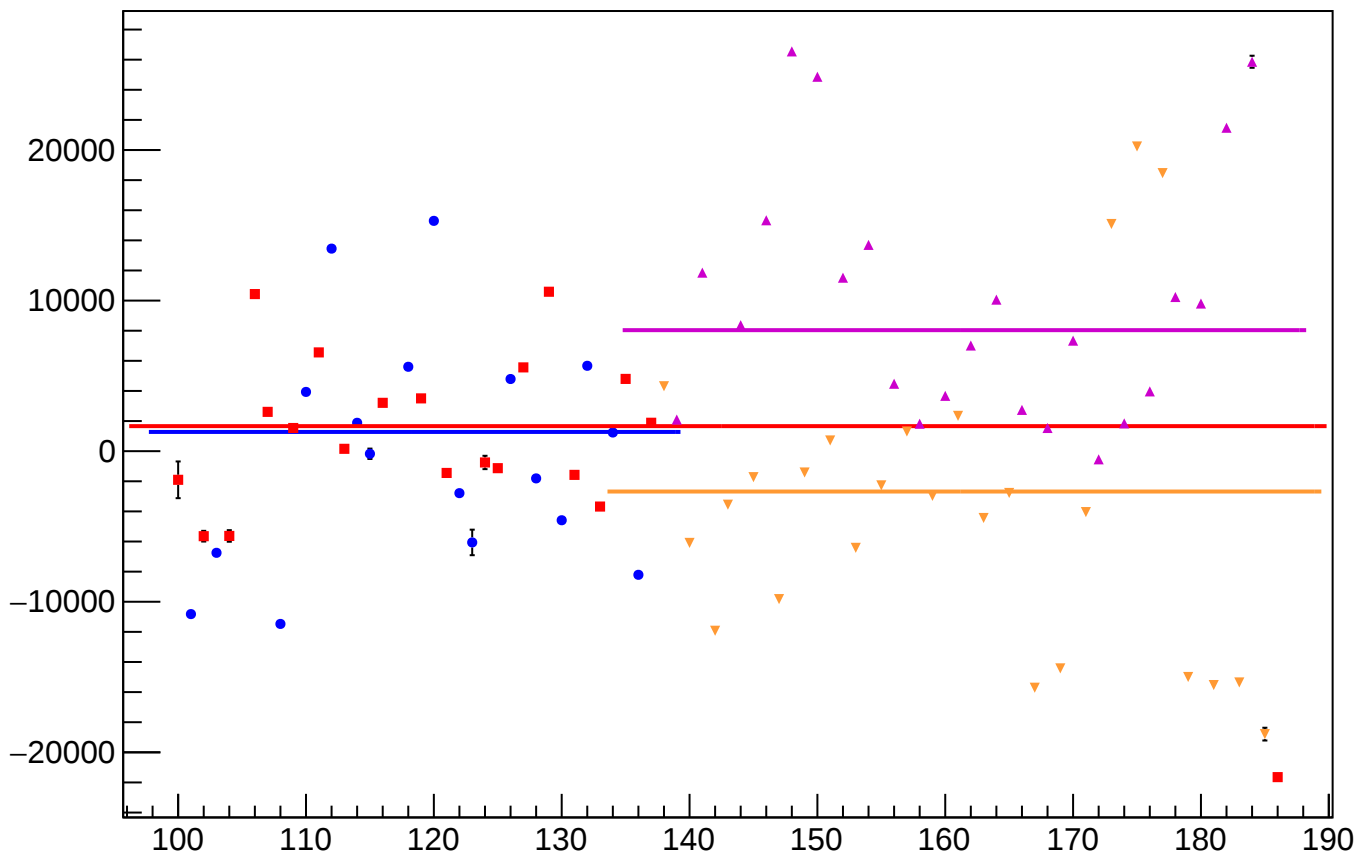
Left In: 169.542 $\pm$ 0.030 χ^2 /NDF:1159241.9/22

+ sign 156.662 $\pm$ 0.023 χ^2 /NDF: 2123399.1/41

All: 157.091 $\pm$ 0.016 χ^2 /NDF: 4500267.1/84

- sign 157.532 $\pm$ 0.023 χ^2 /NDF: 2376153.4/42

asym_bpm0i01aWS_mean vs Slug



Right In: 1277.751 $\pm$ 46.646 χ^2 /NDF: 30549.2/16

Left Out: -2680.012 $\pm$ 35.764 χ^2 /NDF: 56820.4/24

Right Out: 1662.747 $\pm$ 43.553 χ^2 /NDF: 17128.8/19

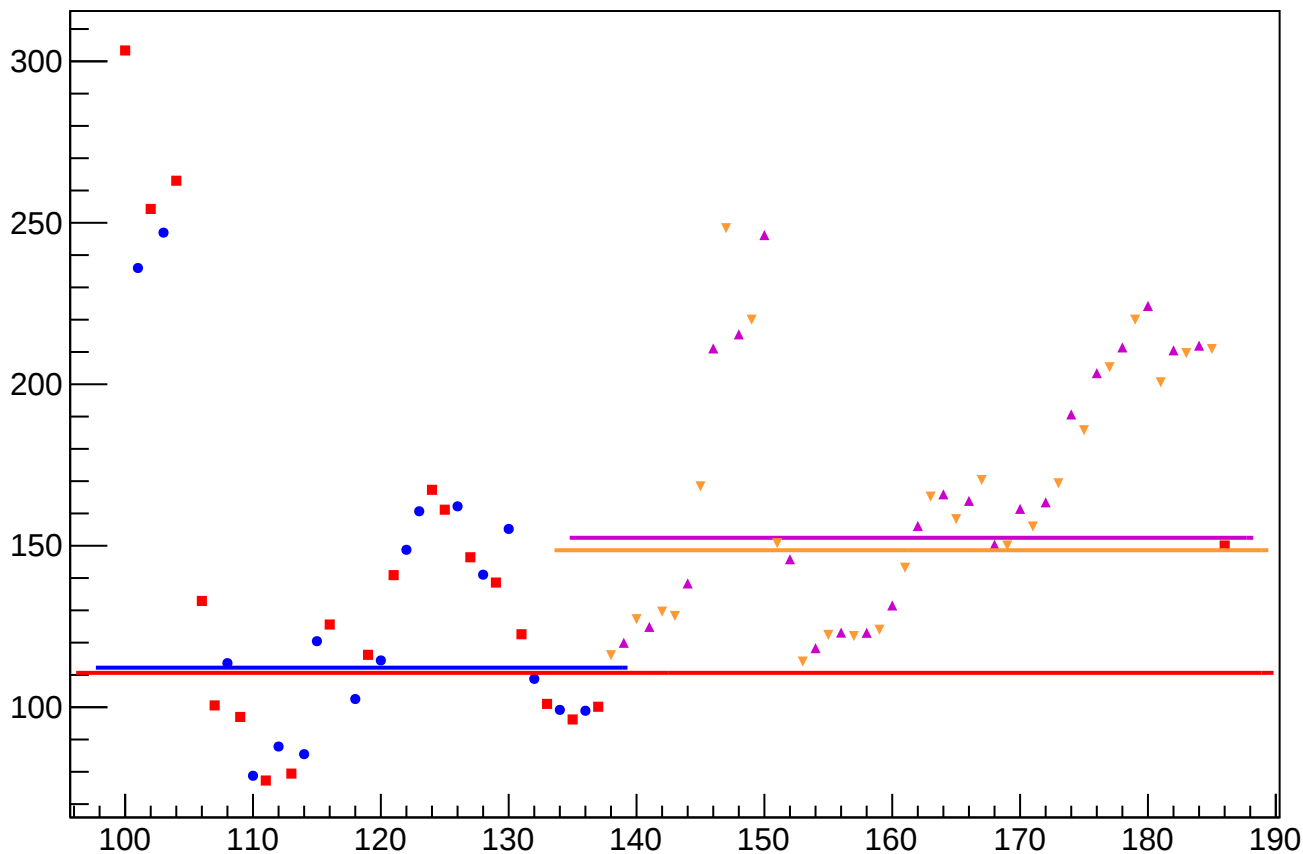
Left In: 8036.826 $\pm$ 37.924 χ^2 /NDF: 29261.6/22

+ sign -1214.798 $\pm$ 28.382 χ^2 /NDF: 91903.4/41

All: 2011.592 $\pm$ 20.146 χ^2 /NDF: 176522.0/84

- sign 5288.044 $\pm$ 28.601 χ^2 /NDF: 58572.4/42

asym_bpm0i01aWS_rms vs Slug



Right In: 112.247+/-0.033 χ^2/NDF : 1123602.1/16

Left Out: 148.611+/-0.025 χ^2/NDF : 1685424.1/24

Right Out: 110.649+/-0.031 χ^2/NDF : 1317004.4/19

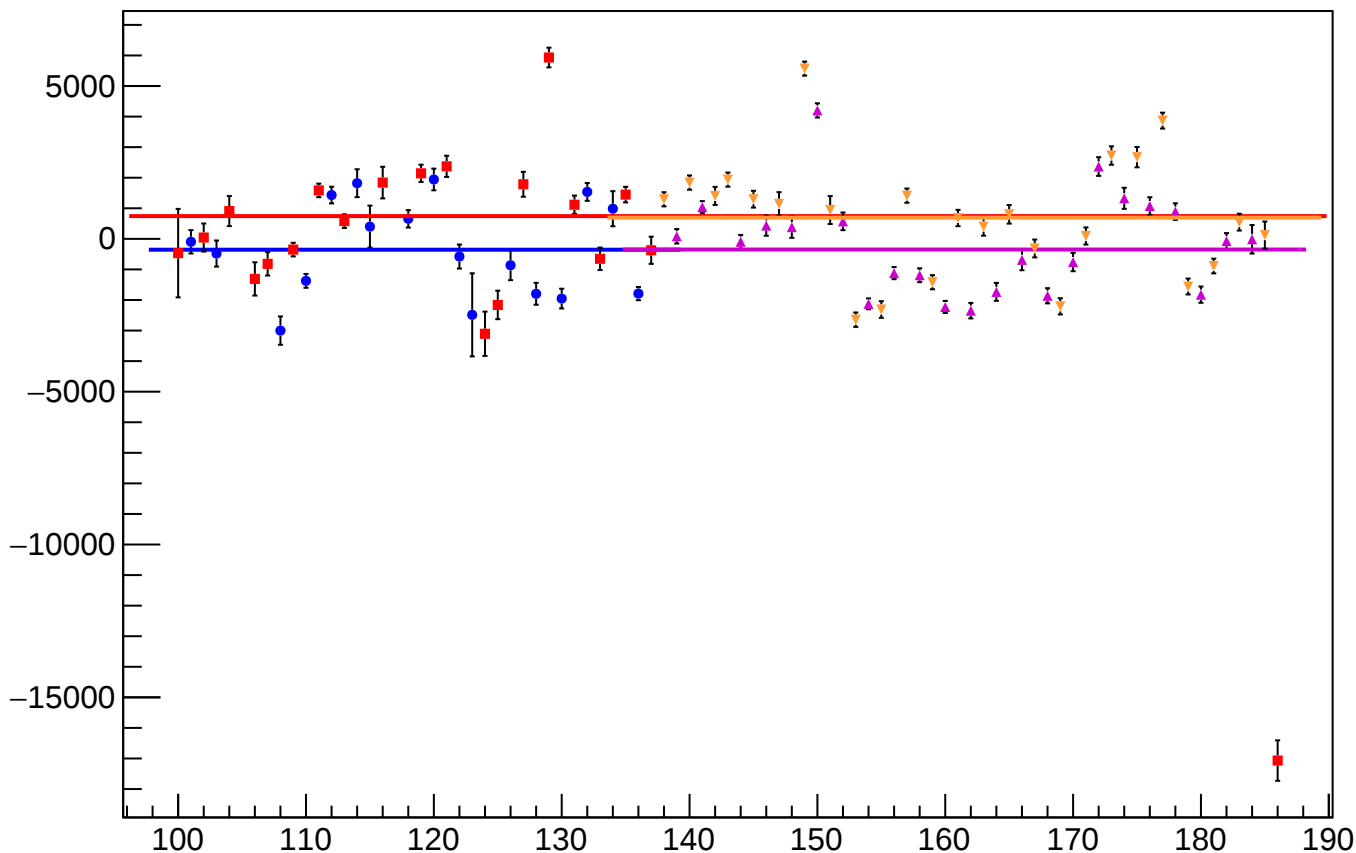
Left In: 152.463+/-0.027 χ^2/NDF : 1691517.7/22

+ sign 135.149+/-0.020 χ^2/NDF : 3574491.0/41

All: 134.793+/-0.014 χ^2/NDF : 7632138.2/84

- sign 134.431+/-0.020 χ^2/NDF : 4057013.5/42

asym_bpm0l01WS_mean vs Slug



Right In: -354.938 ± 84.016 χ^2/NDF : 310.6/16

Left Out: 692.998 ± 54.303 χ^2/NDF : 1422.0/24

Right Out: 744.115 ± 77.124 χ^2/NDF : 1211.1/19

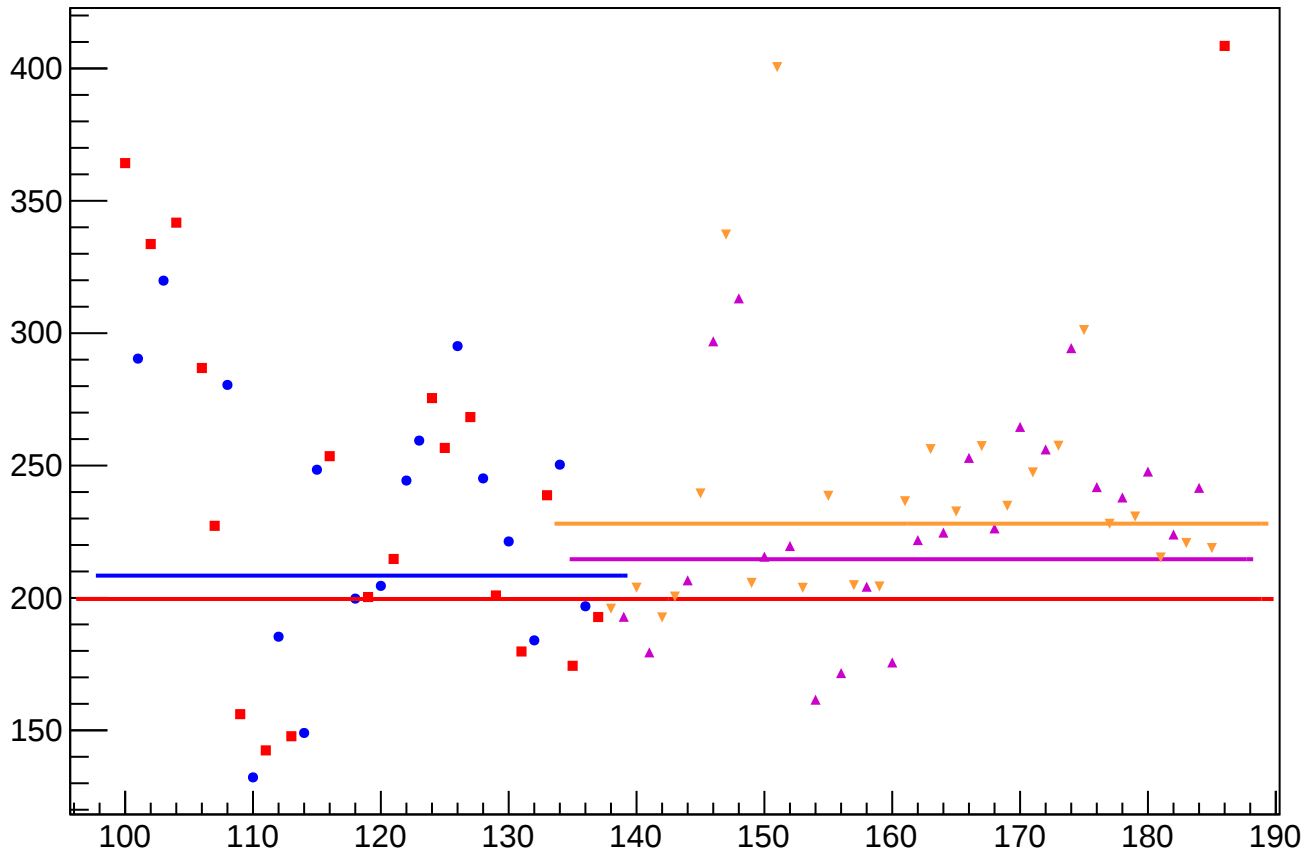
Left In: -349.623 ± 53.094 χ^2/NDF : 981.0/22

+ sign 384.207 ± 45.606 χ^2/NDF : 1842.4/41

All: 185.122 ± 31.565 χ^2/NDF : 4207.4/84

- sign 2.057 ± 43.733 χ^2/NDF : 2328.5/42

asym_bpm0l01WS_rms vs Slug



Right In: 208.429 $\pm$ 0.059 χ^2 /NDF: 696957.4/16

Left Out: 228.061 $\pm$ 0.038 χ^2 /NDF: 826343.8/24

Right Out: 199.605 $\pm$ 0.055 χ^2 /NDF: 1127364.9/19

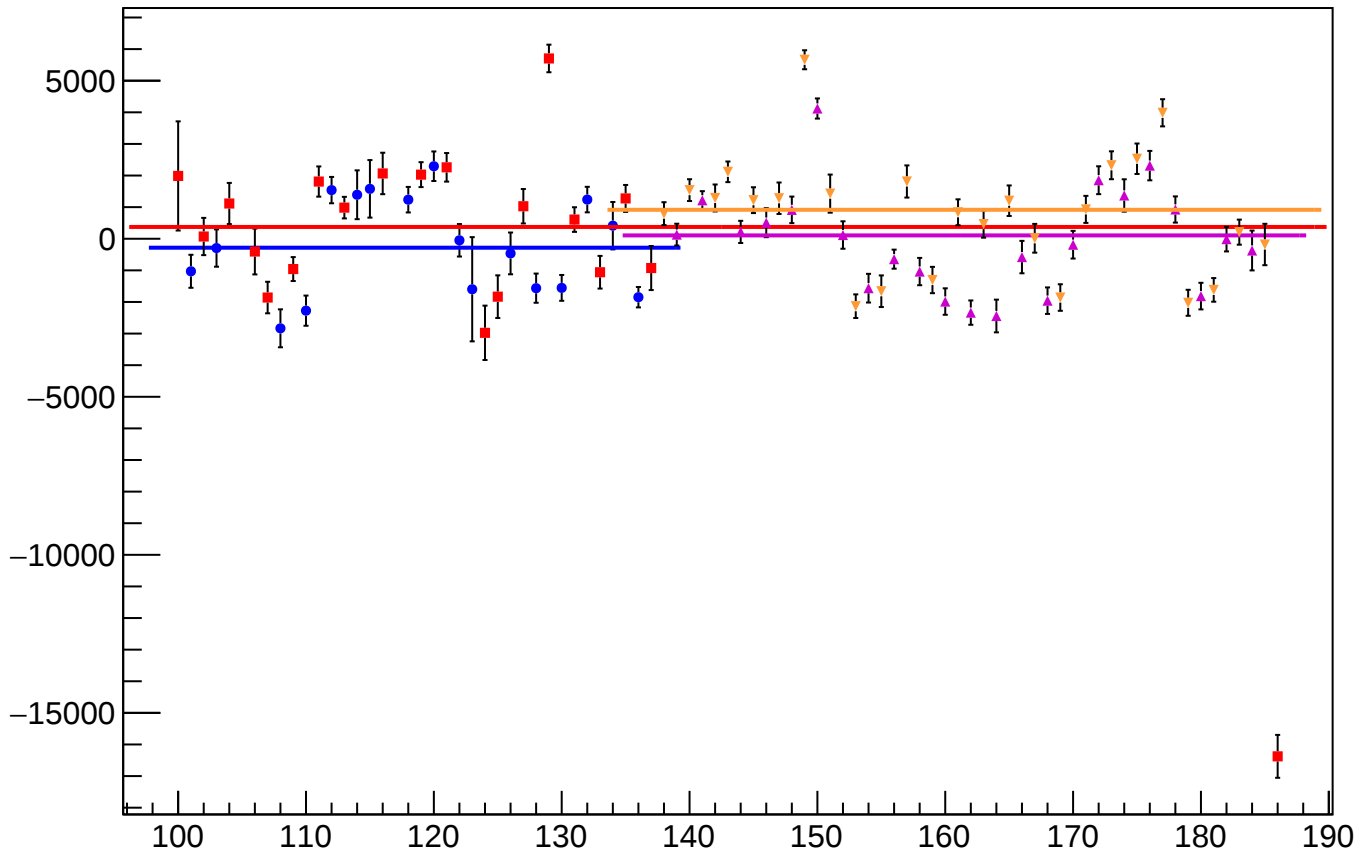
Left In: 214.627 $\pm$ 0.038 χ^2 /NDF: 1025683.3/22

+ sign 222.276 $\pm$ 0.032 χ^2 /NDF: 1600324.0/41

All: 215.775 $\pm$ 0.022 χ^2 /NDF: 3882863.0/84

- sign 209.797 $\pm$ 0.031 χ^2 /NDF: 2204527.2/42

asym_bpm0l02WS_mean vs Slug



Right In: -283.146 ± 121.564 χ^2/NDF : 166.9/16

Left Out: 915.968 ± 83.398 χ^2/NDF : 618.3/24

Right Out: 373.461 ± 113.711 χ^2/NDF : 891.6/19

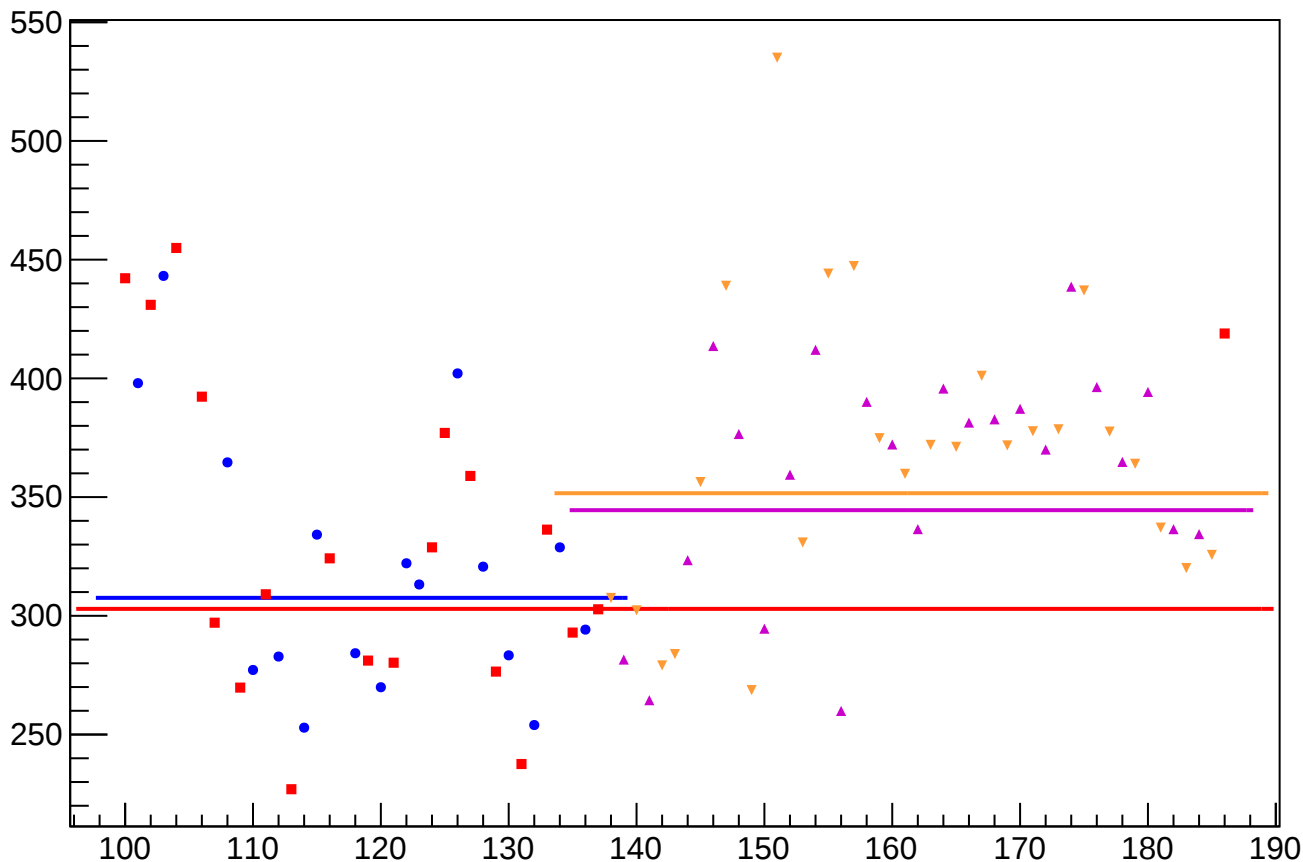
Left In: 106.116 ± 84.393 χ^2/NDF : 390.3/22

+ sign 532.212 ± 68.770 χ^2/NDF : 851.4/41

All: 364.211 ± 48.270 χ^2/NDF : 2148.6/84

- sign 201.071 ± 67.768 χ^2/NDF : 1285.4/42

asym_bpm0l02WS_rms vs Slug



Right In: 307.566 +/- 0.086 χ^2/NDF : 321522.0/16

Left Out: 351.633 +/- 0.059 χ^2/NDF : 907849.3/24

Right Out: 302.926 +/- 0.080 χ^2/NDF : 553623.2/19

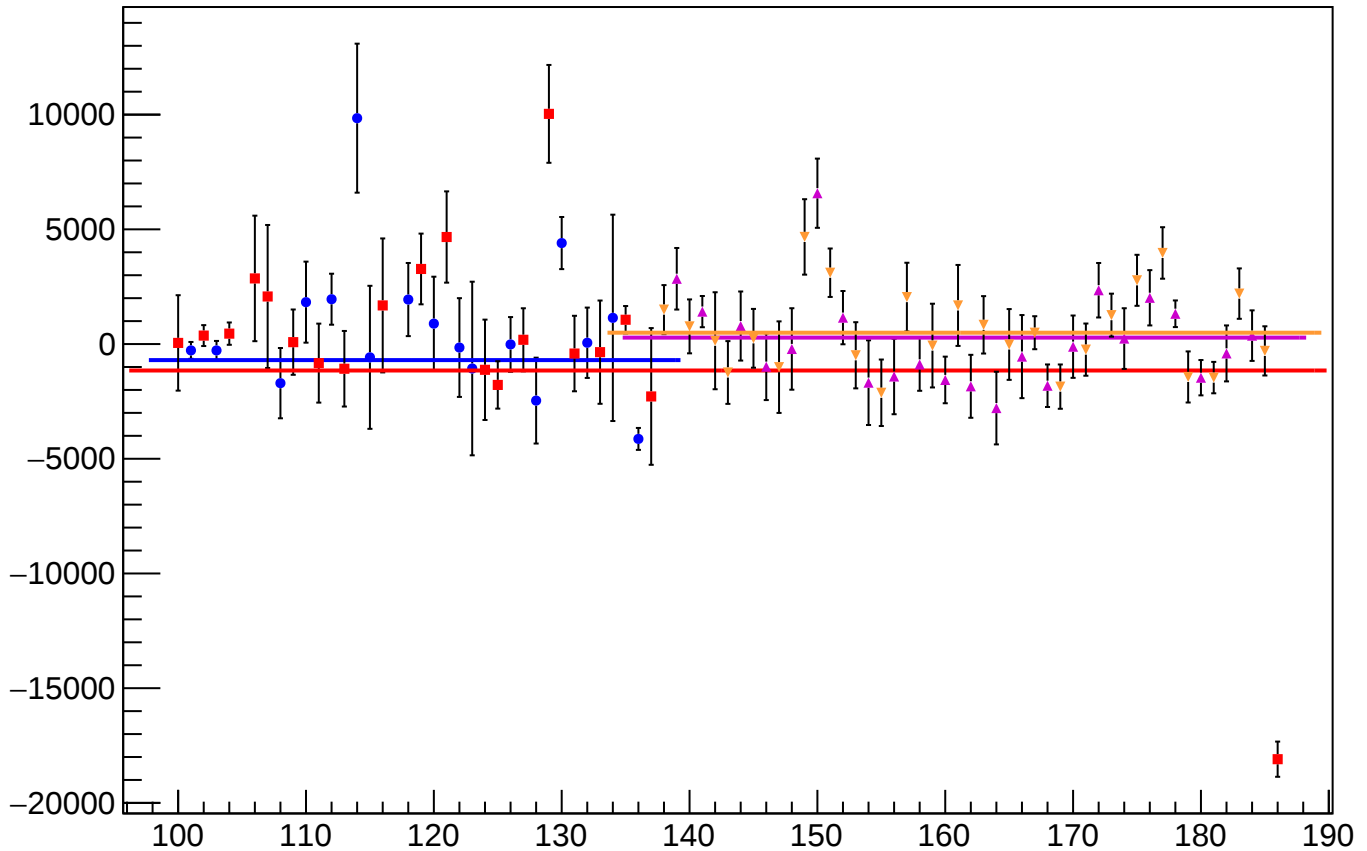
Left In: 344.491 +/- 0.060 χ^2/NDF : 768885.4/22

+ sign 337.530 +/- 0.049 χ^2/NDF : 1408074.3/41

All: 333.572 +/- 0.034 χ^2/NDF : 2915956.1/84

- sign 329.728 +/- 0.048 χ^2/NDF : 1494821.1/42

asym_bpm0l03WS_mean vs Slug



Right In: -699.406 $\pm$ 210.504 χ^2 /NDF: 97.9/16

Left Out: 495.014 $\pm$ 231.058 χ^2 /NDF: 56.2/24

Right Out: -1152.766 $\pm$ 232.030 χ^2 /NDF: 574.4/19

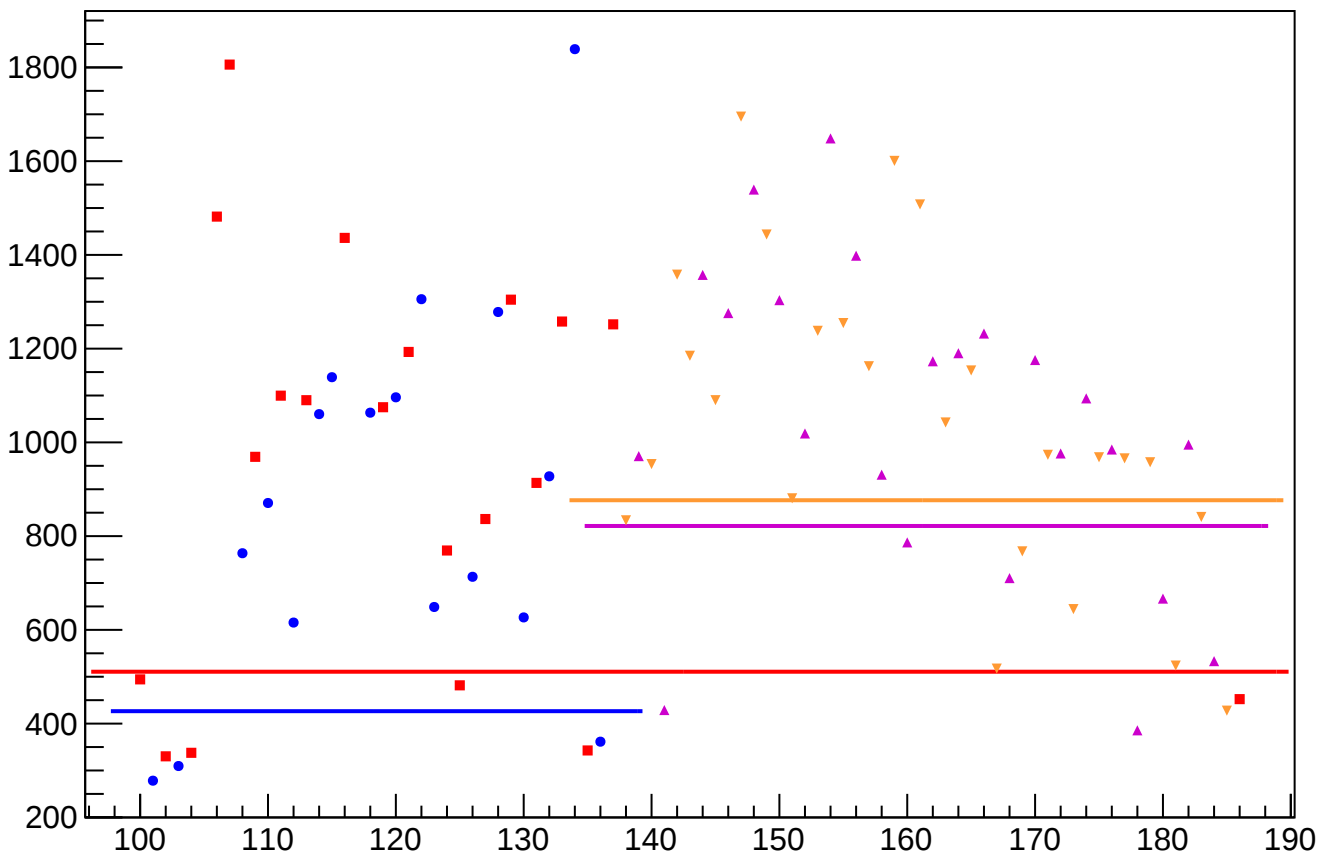
Left In: 280.692 $\pm$ 232.048 χ^2 /NDF: 57.2/22

+ sign -157.675 $\pm$ 155.609 χ^2 /NDF: 168.7/41

All: -289.515 $\pm$ 112.907 χ^2 /NDF: 821.0/84

- sign -436.092 $\pm$ 164.076 χ^2 /NDF: 650.7/42

asym_bpm0l03WS_rms vs Slug



Right In: 426.522 ± 0.149 χ^2/NDF : 2863074.2/16

Left Out: 876.560 ± 0.163 χ^2/NDF : 3434698.7/24

Right Out: 510.714 ± 0.164 χ^2/NDF : 3610808.4/19

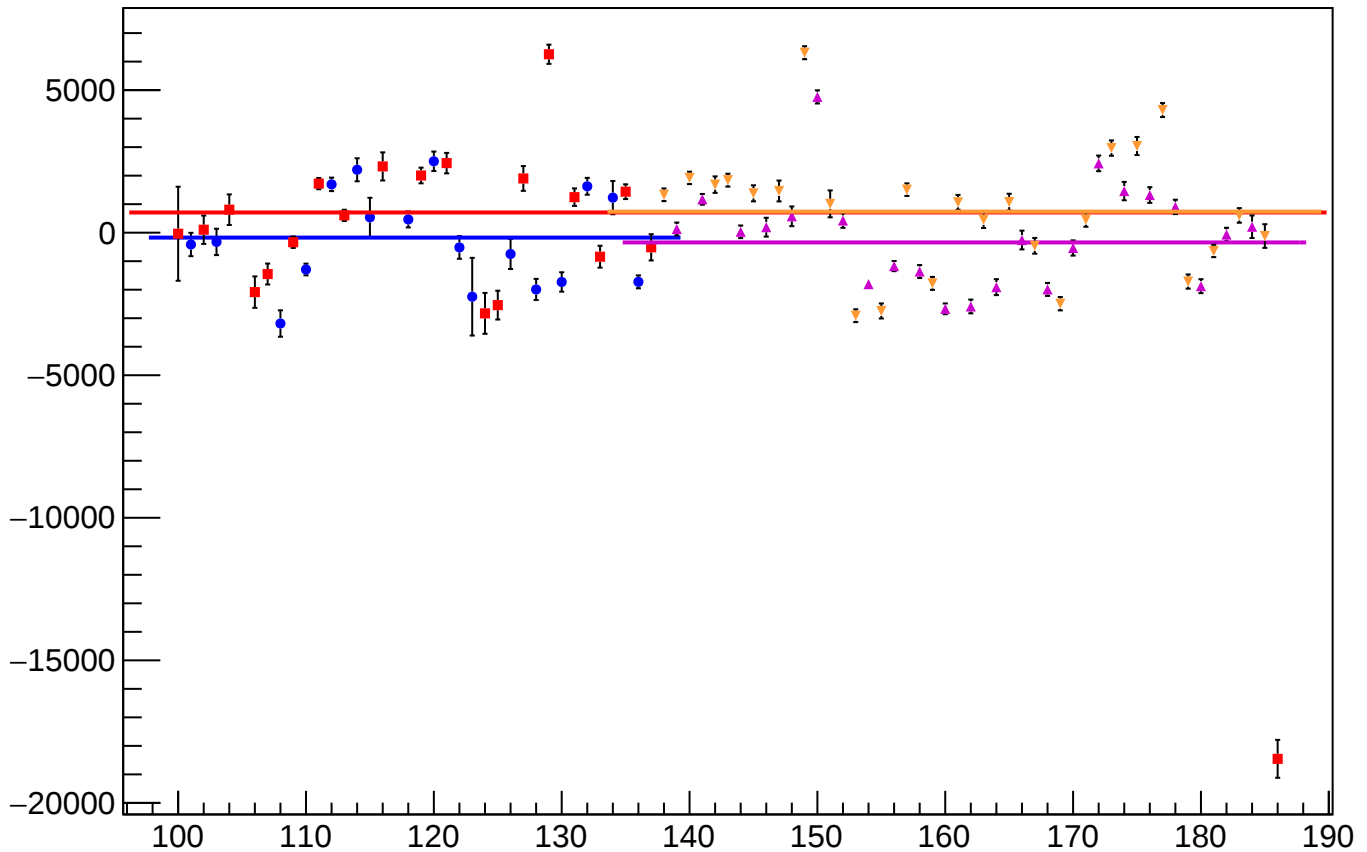
Left In: 821.657 ± 0.164 χ^2/NDF : 4443094.2/22

+ sign 630.637 ± 0.110 χ^2/NDF : 10443839.7/41

All: 647.465 ± 0.080 χ^2/NDF : 20342868.4/84

- sign 666.174 ± 0.116 χ^2/NDF : 9849636.1/42

asym_bpm0l04WS_mean vs Slug



Right In: -172.521 ± 82.544 χ^2/NDF : 376.5/16

Left Out: 738.847 ± 51.649 χ^2/NDF : 1935.2/24

Right Out: 708.658 ± 74.629 χ^2/NDF : 1383.5/19

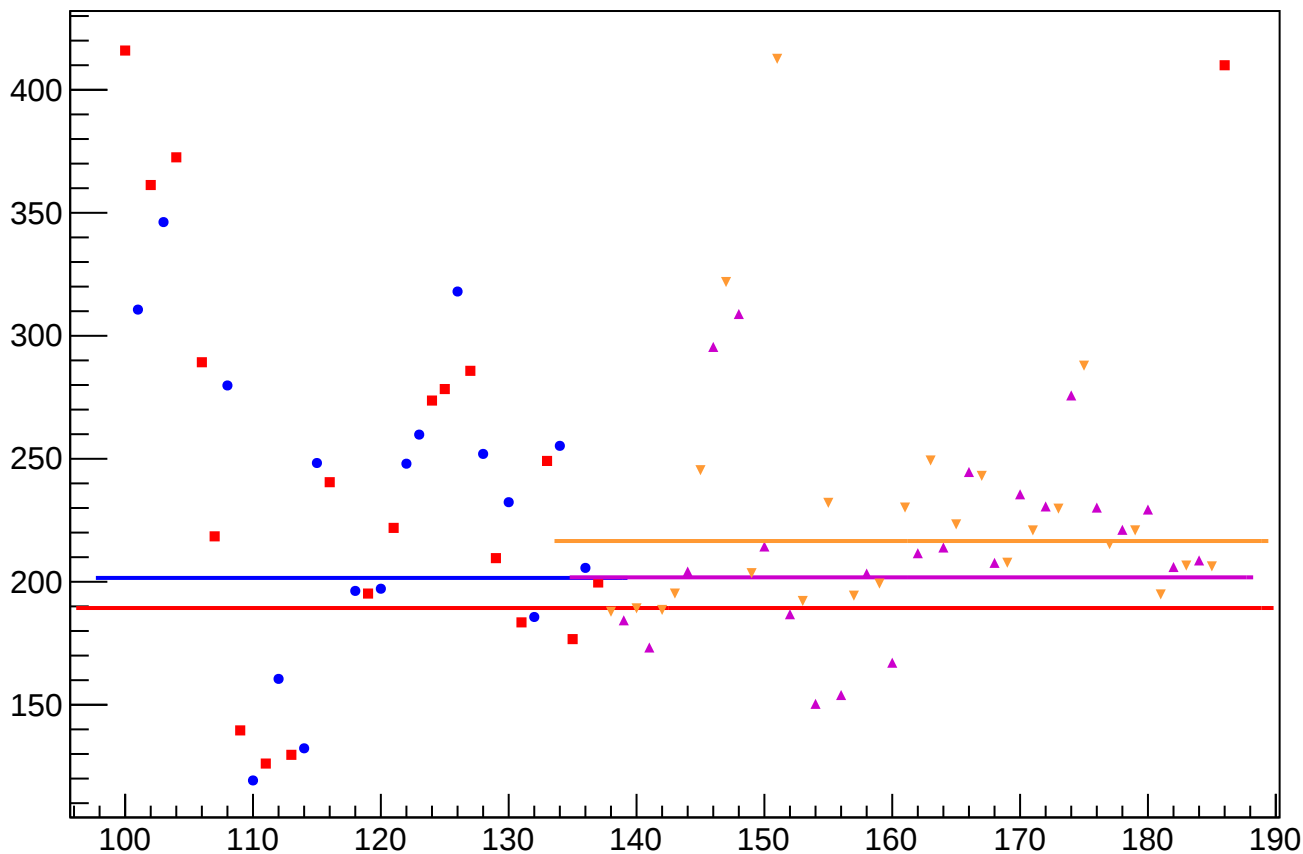
Left In: -342.465 ± 50.044 χ^2/NDF : 1254.9/22

+ sign 482.425 ± 43.784 χ^2/NDF : 2399.3/41

All: 220.037 ± 30.145 χ^2/NDF : 5242.9/84

- sign -16.417 ± 41.564 χ^2/NDF : 2775.3/42

asym_bpm0l04WS_rms vs Slug



Right In: 201.572 $\pm$ 0.058 χ^2 /NDF: 1052330.1/16

Left Out: 216.574 $\pm$ 0.037 χ^2 /NDF:886214.1/24

Right Out: 189.339 $\pm$ 0.053 χ^2 /NDF: 1611739.0/19

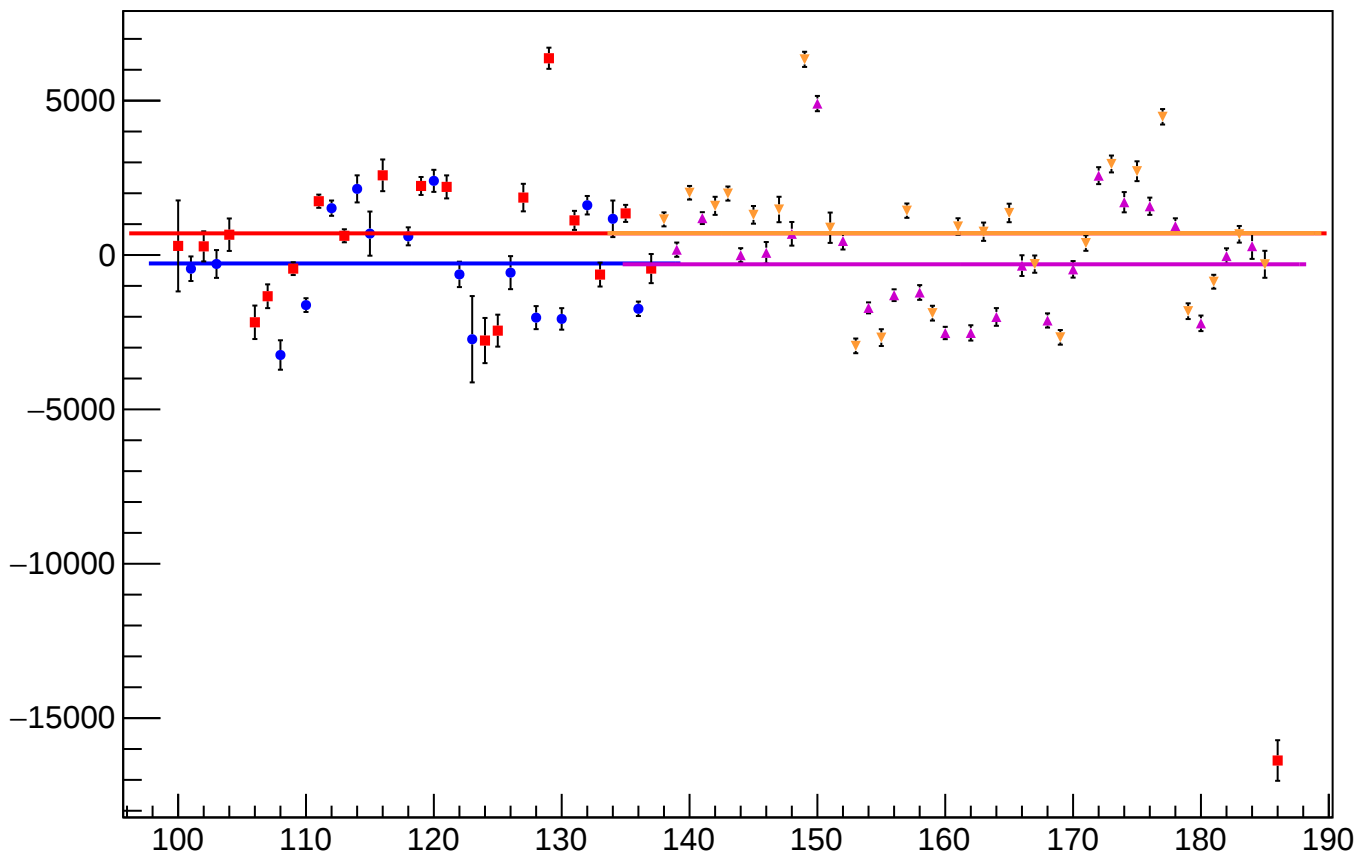
Left In: 201.805 $\pm$ 0.035 χ^2 /NDF:1087243.4/22

+ sign 212.353 $\pm$ 0.031 χ^2 /NDF: 1986020.7/41

All: 204.771 $\pm$ 0.021 χ^2 /NDF: 4837525.7/84

- sign 197.938 $\pm$ 0.029 χ^2 /NDF: 2737482.0/42

asym_bpm0l05WS_mean vs Slug



Right In: -273.296 ± 85.630 χ^2/NDF : 362.8/16

Left Out: 711.174 ± 53.245 χ^2/NDF : 1835.3/24

Right Out: 701.475 ± 77.847 χ^2/NDF : 1208.6/19

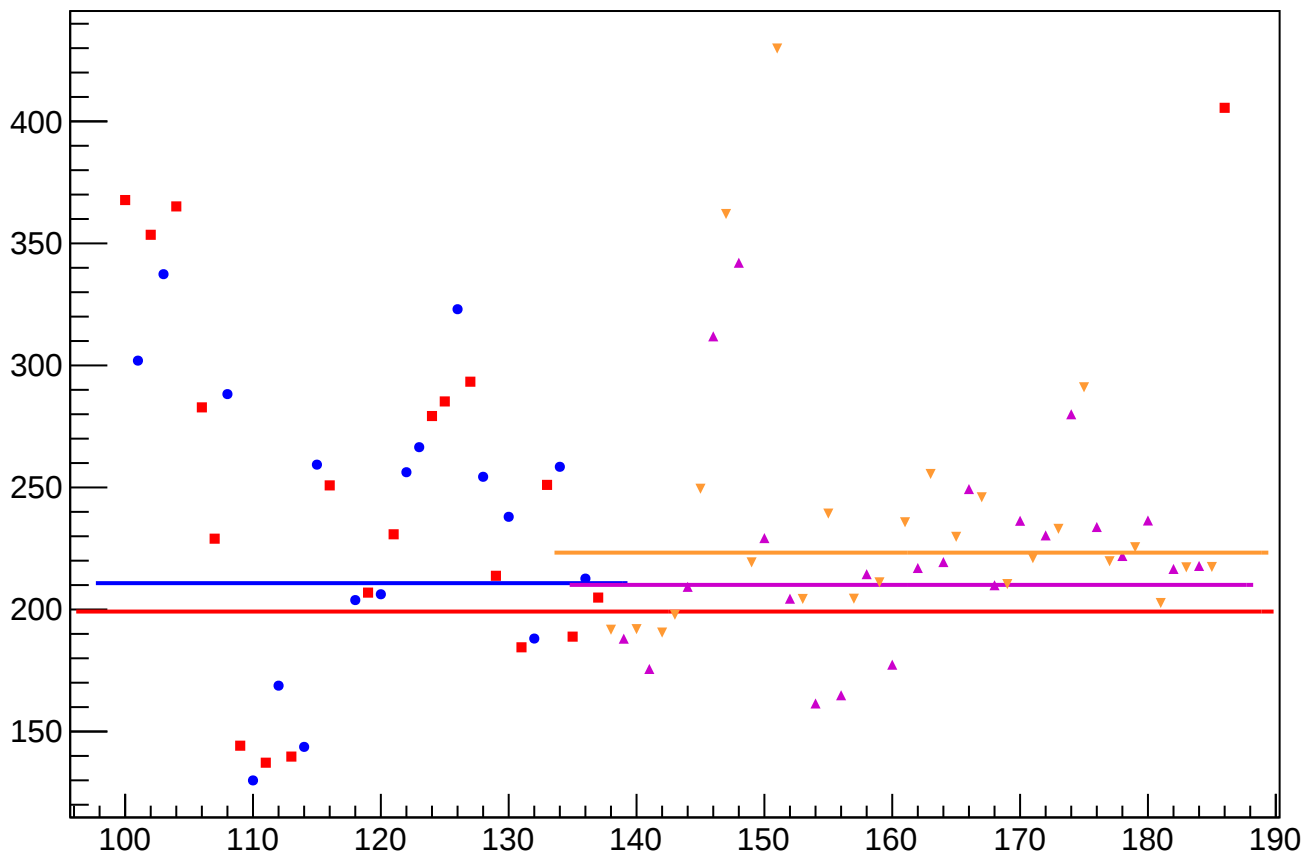
Left In: -300.516 ± 51.984 χ^2/NDF : 1208.6/22

+ sign 436.673 ± 45.216 χ^2/NDF : 2293.4/41

All: 212.978 ± 31.247 χ^2/NDF : 4872.1/84

- sign 8.495 ± 43.231 χ^2/NDF : 2531.8/42

asym_bpm0l05WS_rms vs Slug



Right In: 210.791+/-0.061 χ^2/NDF : 873120.0/16

Left Out: 223.296+/-0.038 χ^2/NDF : 922768.4/24

Right Out: 199.152+/-0.055 χ^2/NDF : 1401581.9/19

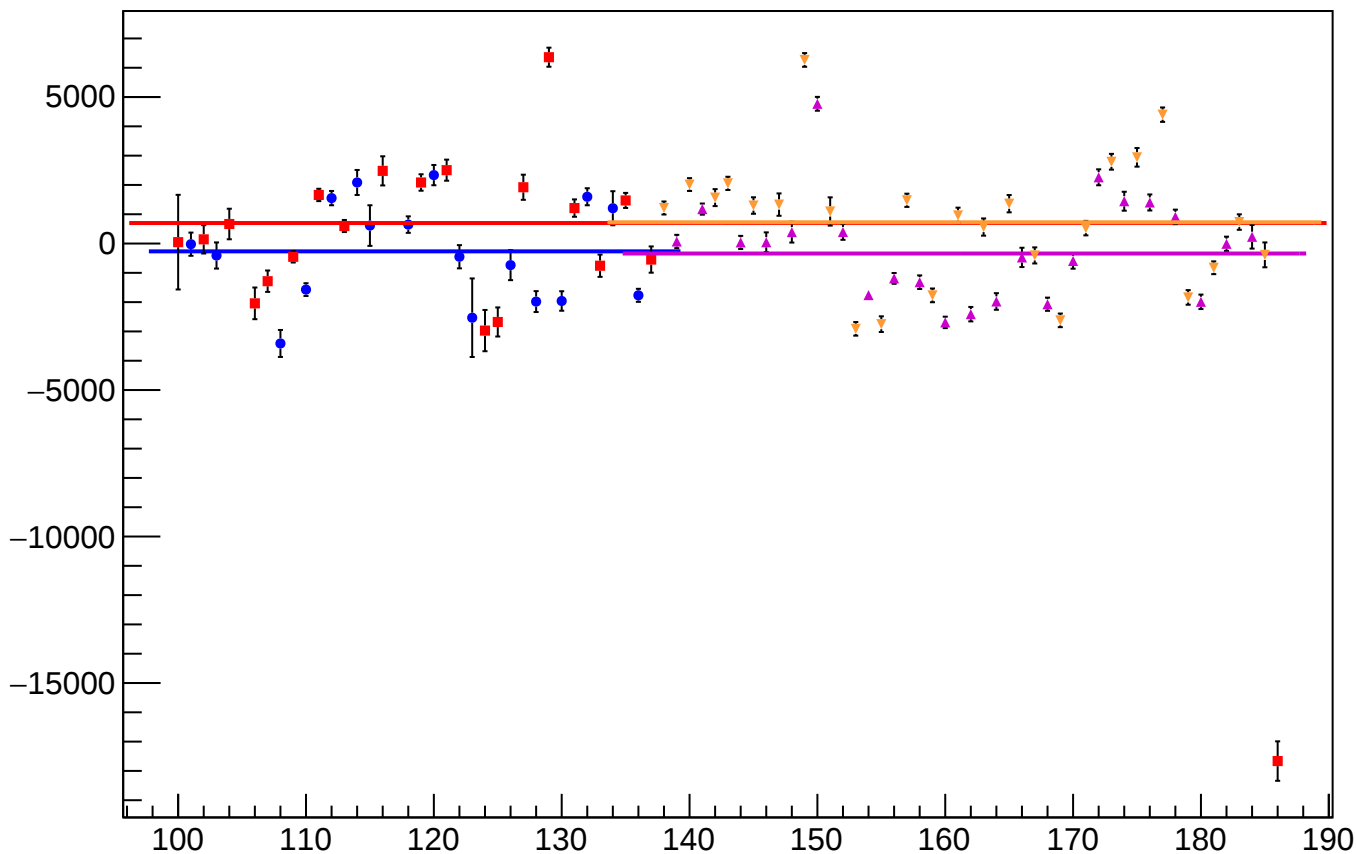
Left In: 210.080+/-0.037 χ^2/NDF : 1015274.5/22

+ sign 219.809+/-0.032 χ^2/NDF : 1826649.2/41

All: 212.966+/-0.022 χ^2/NDF : 4358461.3/84

- sign 206.710+/-0.031 χ^2/NDF : 2444113.6/42

asym_bpm0l06WS_mean vs Slug



Right In: -266.674 ± 82.997 χ^2/NDF : 383.4/16

Left Out: 725.866 ± 52.158 χ^2/NDF : 1912.7/24

Right Out: 700.526 ± 75.000 χ^2/NDF : 1337.5/19

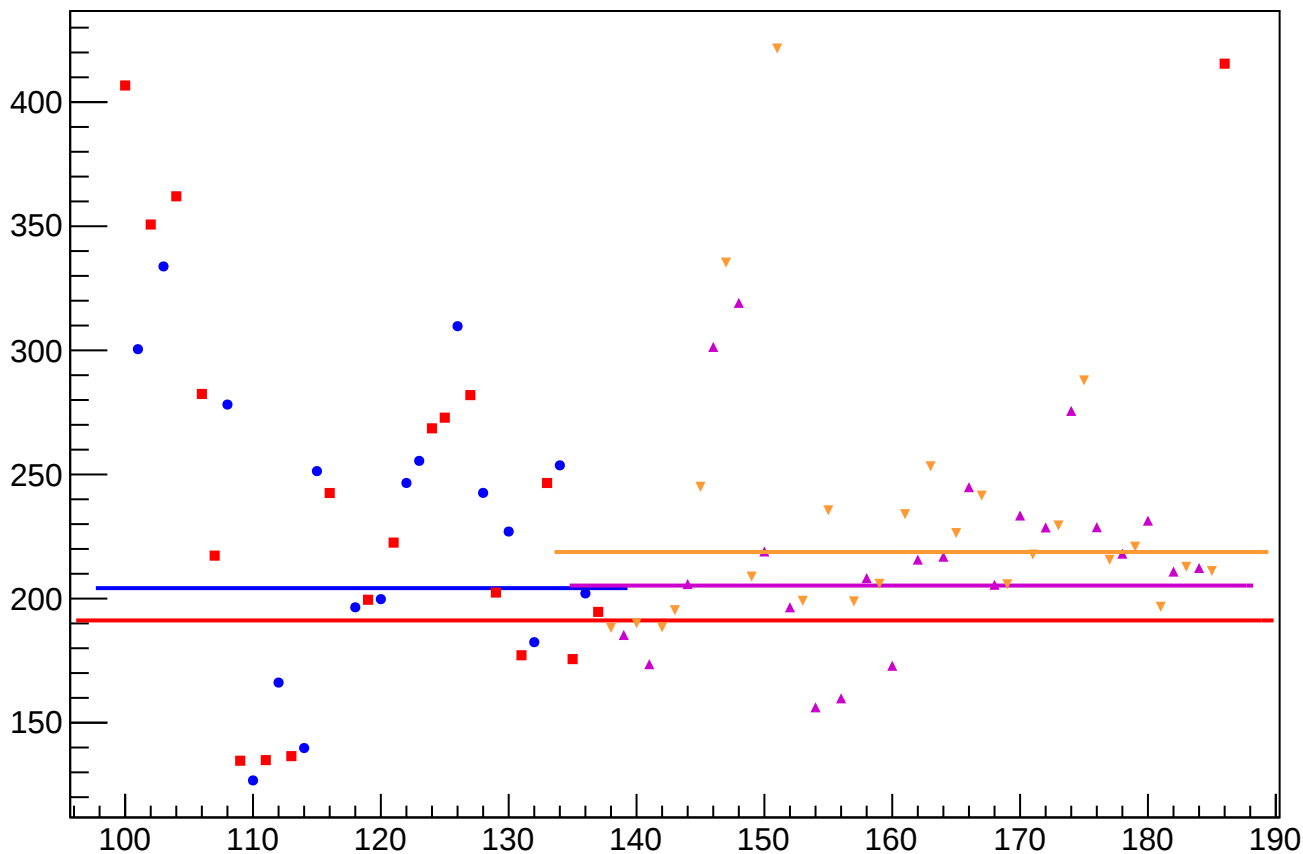
Left In: -340.502 ± 50.802 χ^2/NDF : 1201.8/22

+ sign 444.858 ± 44.162 χ^2/NDF : 2398.7/41

All: 204.739 ± 30.457 χ^2/NDF : 5126.4/84

- sign -13.080 ± 42.061 χ^2/NDF : 2671.4/42

asym_bpm0l06WS_rms vs Slug



Right In: 204.211+/-0.059 χ^2/NDF : 866108.6/16

Left Out: 218.768+/-0.037 χ^2/NDF : 896914.5/24

Right Out: 191.202+/-0.053 χ^2/NDF : 1472429.0/19

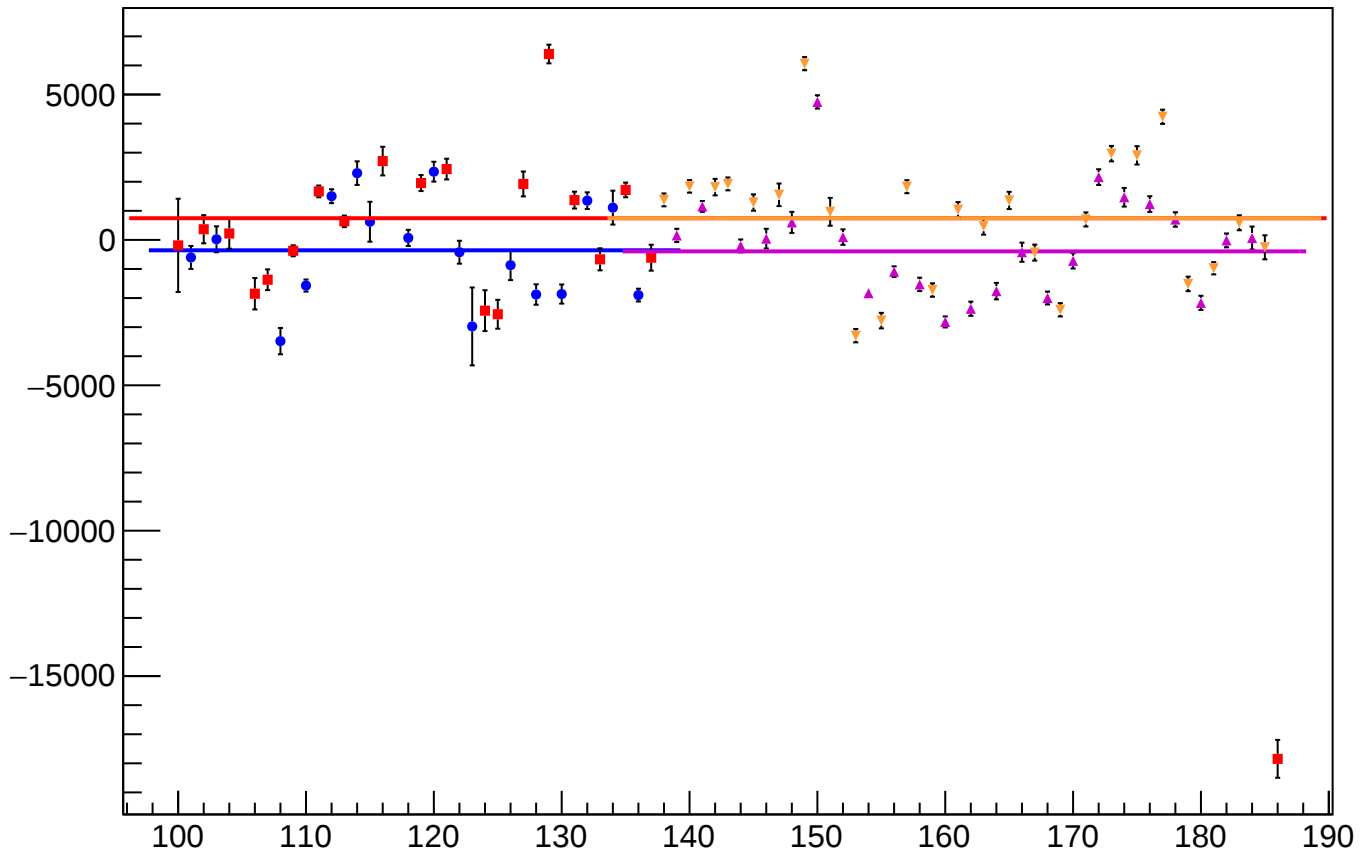
Left In: 205.249+/-0.036 χ^2/NDF : 997168.8/22

+ sign 214.647+/-0.031 χ^2/NDF : 1807130.1/41

All: 207.403+/-0.022 χ^2/NDF : 4427466.5/84

- sign 200.831+/-0.030 χ^2/NDF : 2517692.8/42

asym_bpm0l07WS_mean vs Slug



Right In: -357.821 ± 81.517 χ^2/NDF : 388.2/16

Left Out: 746.405 ± 51.592 χ^2/NDF : 1942.1/24

Right Out: 745.366 ± 73.381 χ^2/NDF : 1413.3/19

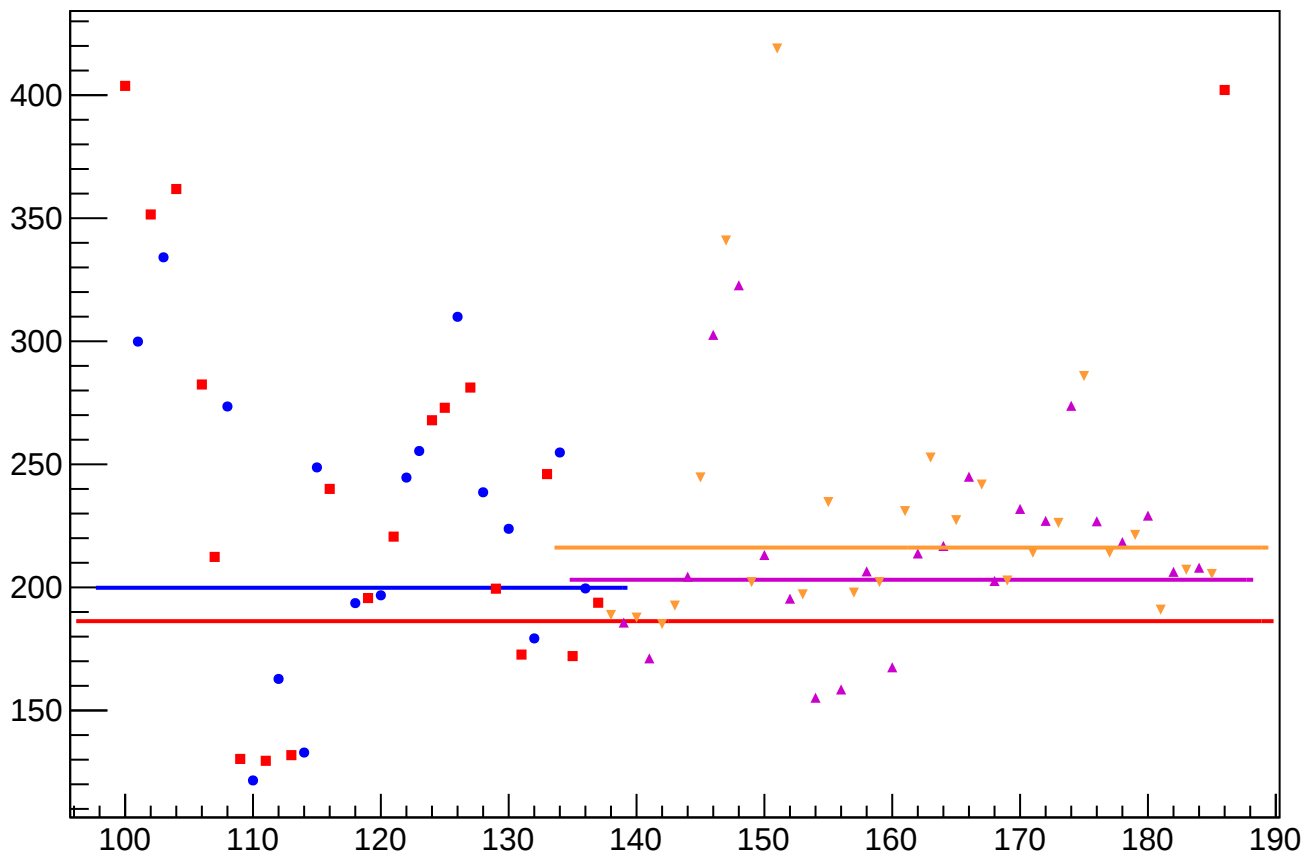
Left In: -394.379 ± 50.311 χ^2/NDF : 1236.4/22

+ sign 430.598 ± 43.594 χ^2/NDF : 2461.4/41

All: 188.977 ± 30.056 χ^2/NDF : 5333.7/84

- sign -29.934 ± 41.495 χ^2/NDF : 2813.8/42

asym_bpm0l07WS_rms vs Slug



Right In: 199.847 $\pm$ 0.058 χ^2 /NDF: 940786.8/16

Left Out: 216.178 $\pm$ 0.036 χ^2 /NDF: 946050.8/24

Right Out: 186.287 $\pm$ 0.052 χ^2 /NDF: 1568249.2/19

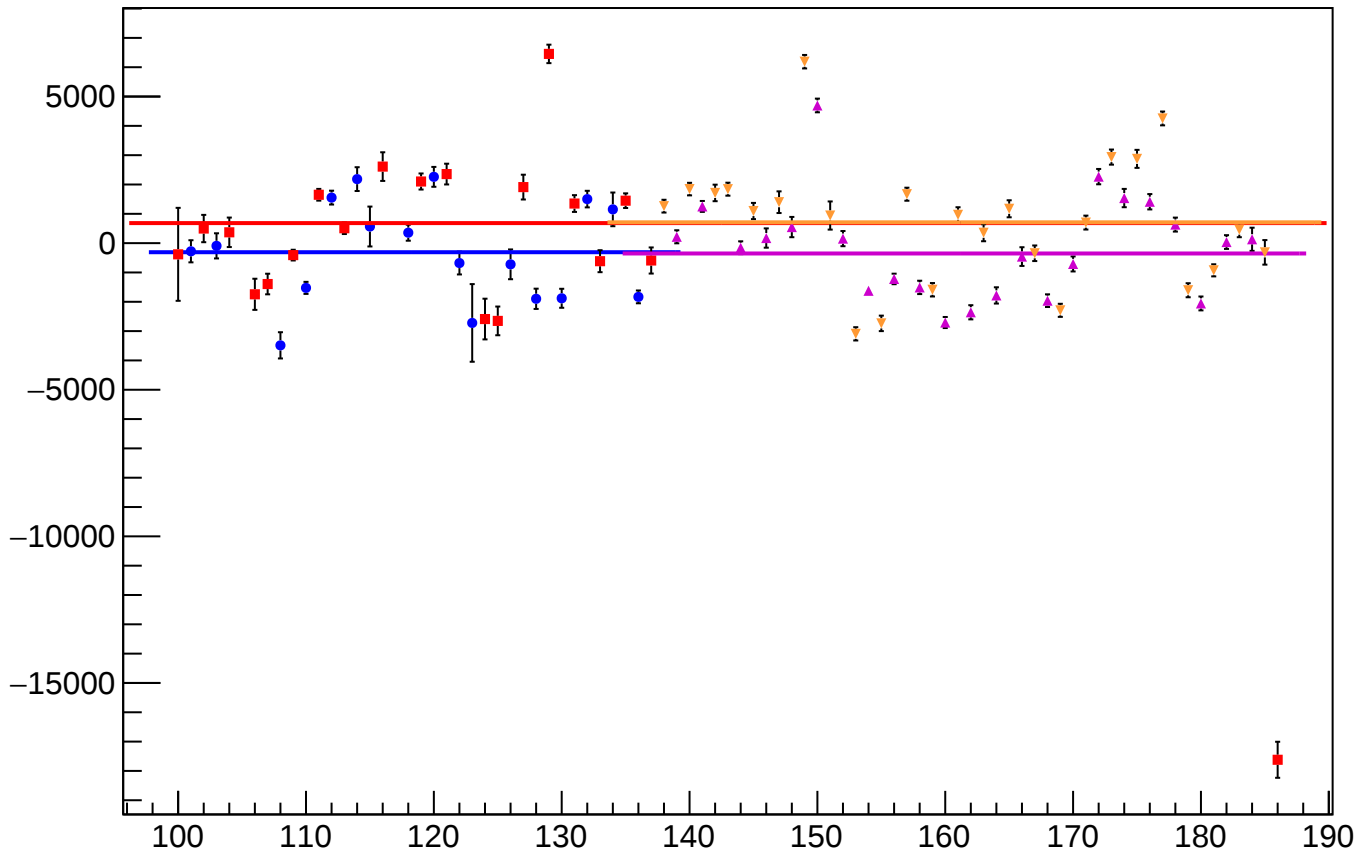
Left In: 203.101 $\pm$ 0.036 χ^2 /NDF: 1038013.0/22

+ sign 211.507 $\pm$ 0.031 χ^2 /NDF: 1944150.3/41

All: 204.276 $\pm$ 0.021 χ^2 /NDF: 4726722.4/84

- sign 197.725 $\pm$ 0.029 χ^2 /NDF: 2677685.6/42

asym_bpm0l08WS_mean vs Slug



Right In: -309.418 ± 80.357 χ^2/NDF : 396.4/16

Left Out: 710.238 ± 50.750 χ^2/NDF : 1932.3/24

Right Out: 683.927 ± 72.212 χ^2/NDF : 1516.1/19

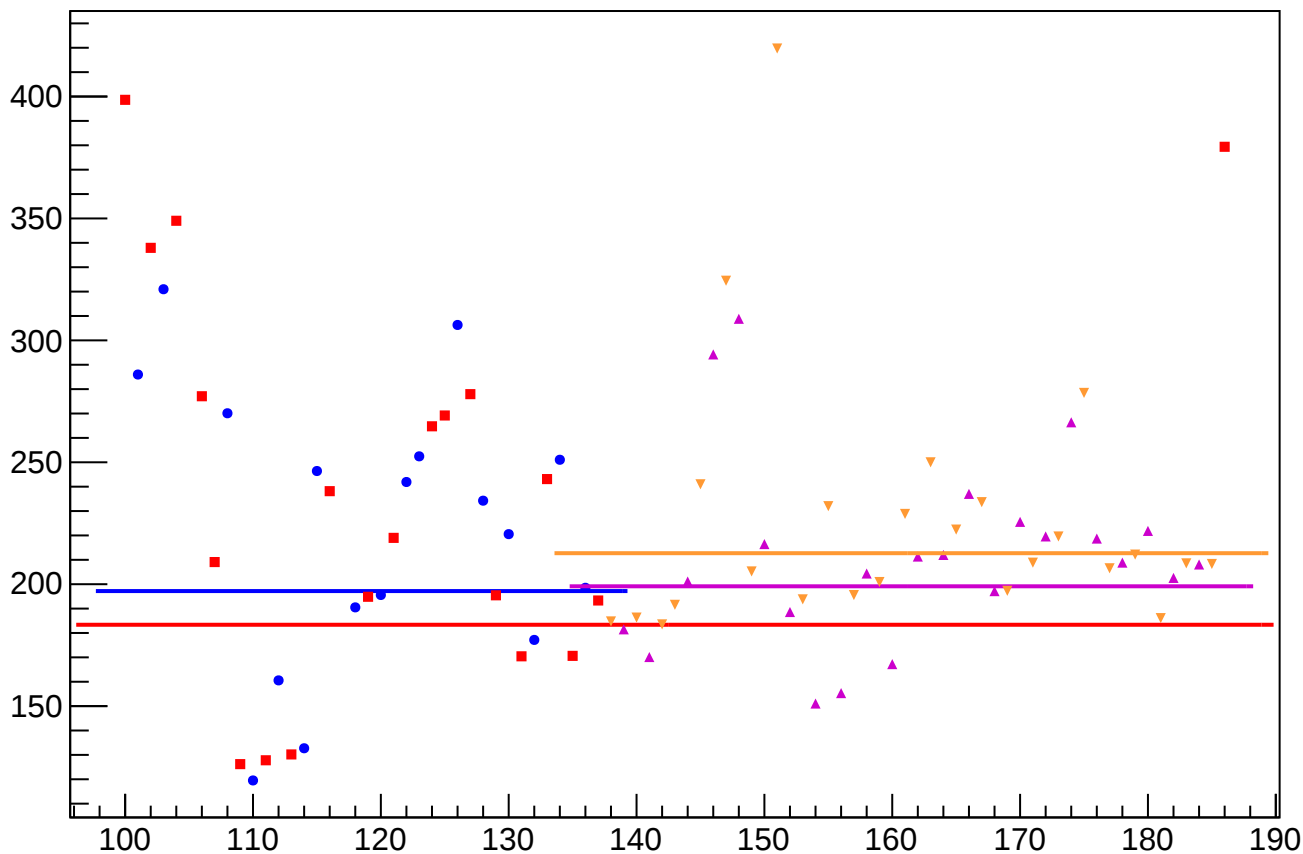
Left In: -352.432 ± 49.316 χ^2/NDF : 1233.1/22

+ sign 419.495 ± 42.909 χ^2/NDF : 2443.8/41

All: 186.798 ± 29.539 χ^2/NDF : 5389.4/84

- sign -22.813 ± 40.725 χ^2/NDF : 2889.6/42

asym_bpm0l08WS_rms vs Slug



Right In: 197.185 $\pm$ 0.057 χ^2 /NDF: 909929.0/16

Left Out: 212.718 $\pm$ 0.036 χ^2 /NDF: 916225.9/24

Right Out: 183.368 $\pm$ 0.051 χ^2 /NDF: 1548110.1/19

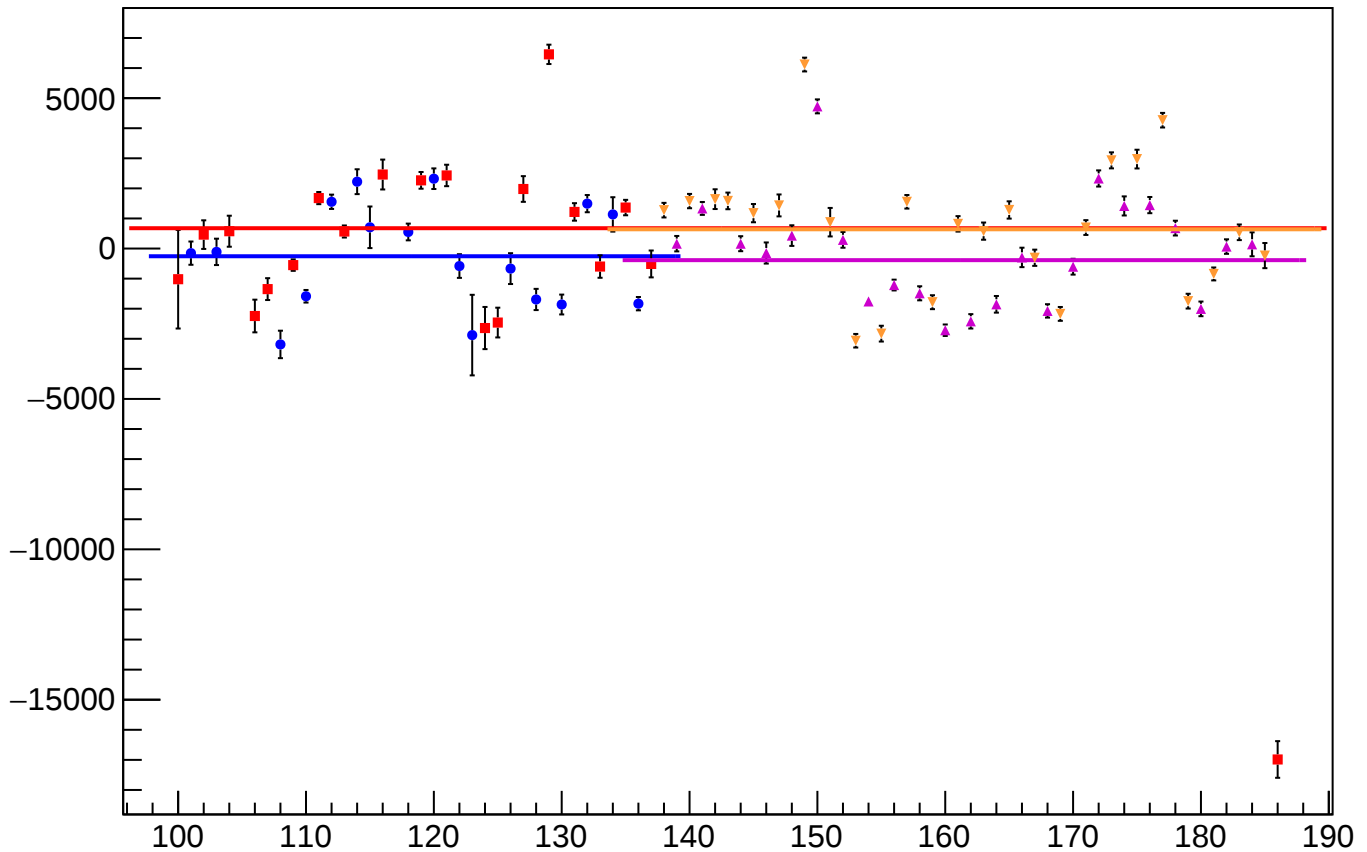
Left In: 199.142 $\pm$ 0.035 χ^2 /NDF: 985932.4/22

+ sign 208.289 $\pm$ 0.030 χ^2 /NDF: 1879579.3/41

All: 200.837 $\pm$ 0.021 χ^2 /NDF: 4593350.9/84

- sign 194.125 $\pm$ 0.029 χ^2 /NDF: 2599121.1/42

asym_bpm0l09WS_mean vs Slug



Right In: -256.429 ± 81.594 χ^2/NDF : 381.8/16

Left Out: 639.995 ± 52.708 χ^2/NDF : 1859.2/24

Right Out: 675.791 ± 73.625 χ^2/NDF : 1461.7/19

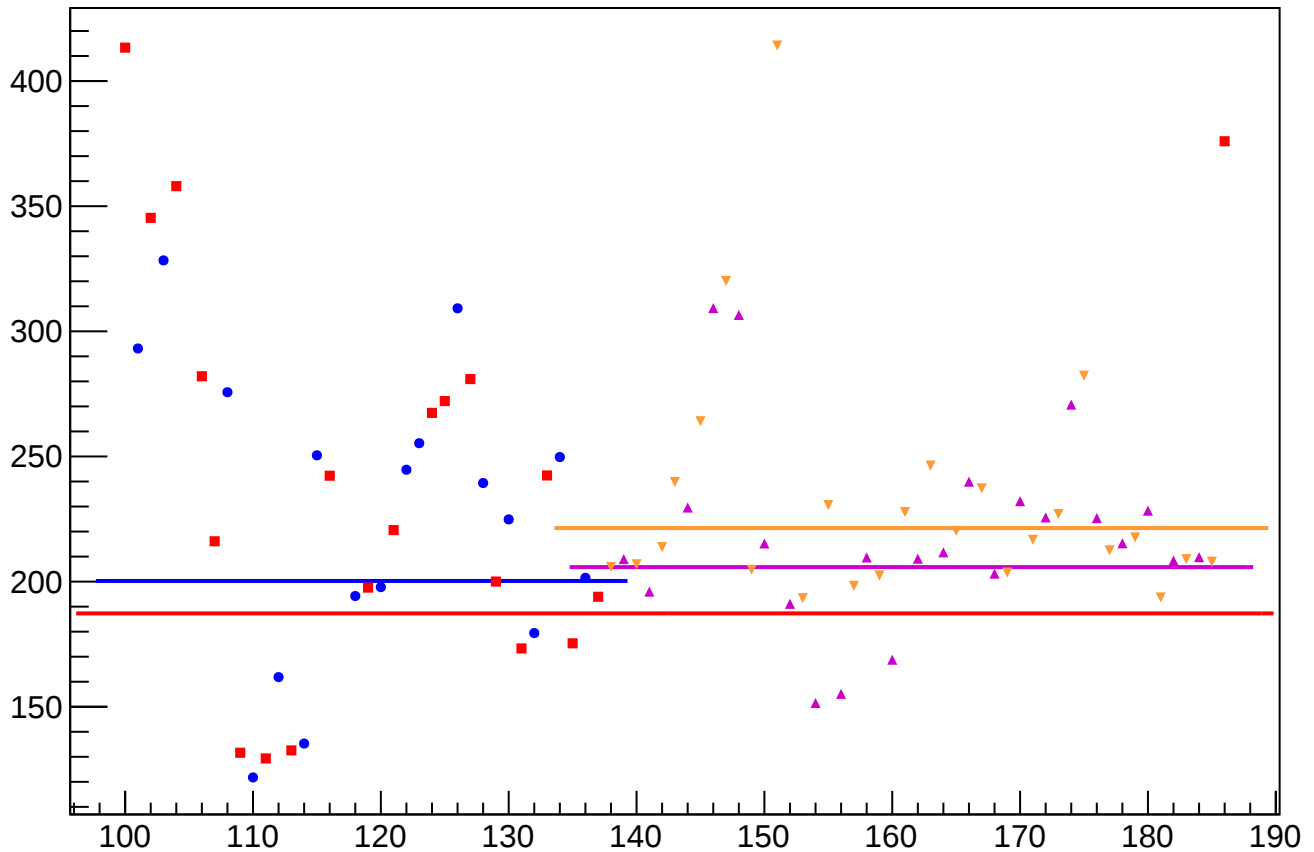
Left In: -386.248 ± 50.994 χ^2/NDF : 1238.0/22

+ sign 376.059 ± 44.274 χ^2/NDF : 2326.2/41

All: 155.653 ± 30.440 χ^2/NDF : 5213.6/84

- sign -41.942 ± 41.921 χ^2/NDF : 2840.4/42

asym_bpm0l09WS_rms vs Slug



Right In: 200.256 $\pm$ 0.058 χ^2 /NDF: 915910.1/16

Left Out: 221.398 $\pm$ 0.037 χ^2 /NDF: 777833.8/24

Right Out: 187.305 $\pm$ 0.052 χ^2 /NDF: 1509263.8/19

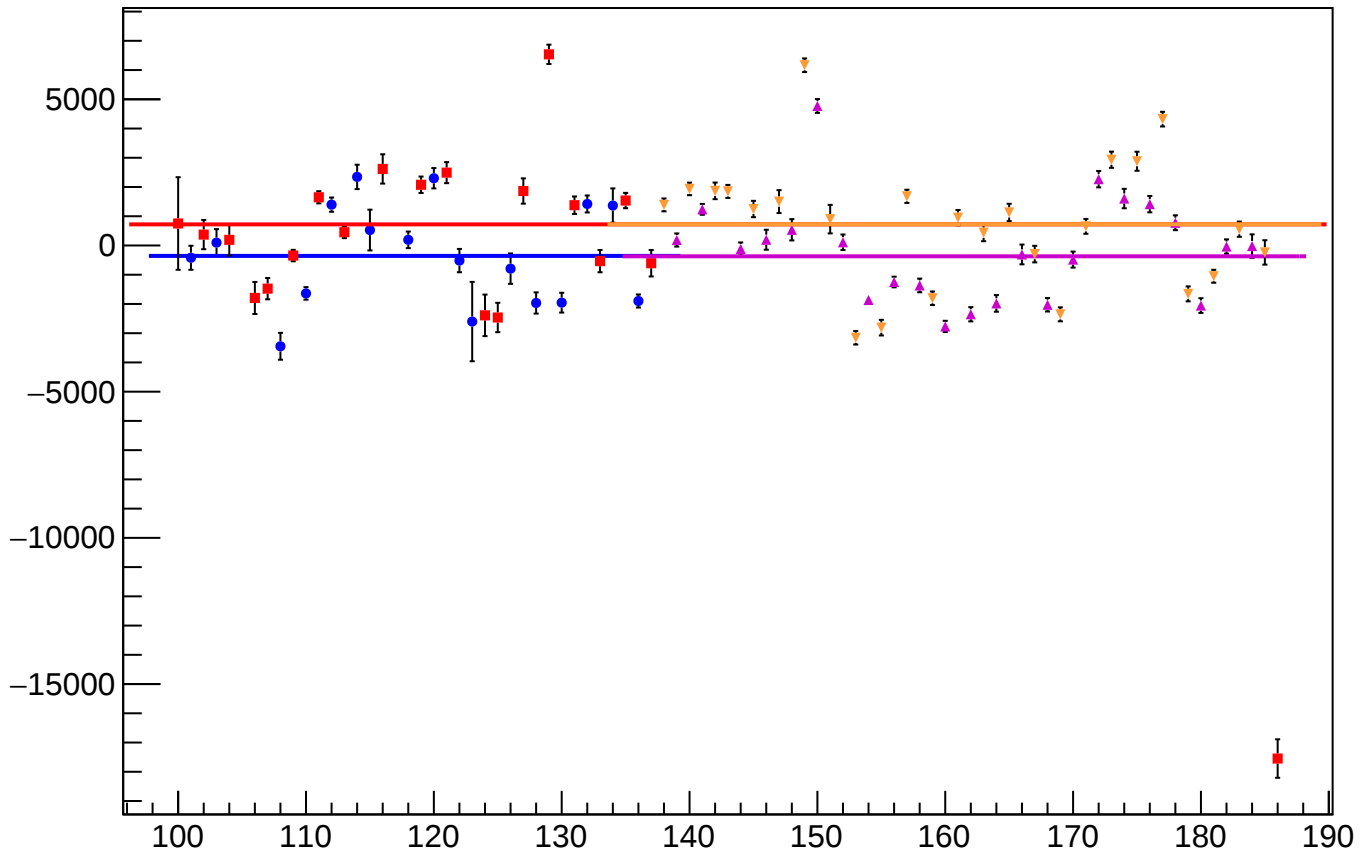
Left In: 205.803 $\pm$ 0.036 χ^2 /NDF: 994903.5/22

+ sign 215.173 $\pm$ 0.031 χ^2 /NDF: 1788489.7/41

All: 207.070 $\pm$ 0.022 χ^2 /NDF: 4505026.4/84

- sign 199.806 $\pm$ 0.030 χ^2 /NDF: 2589494.1/42

asym_bpm0l10WS_mean vs Slug



Right In: -356.124 ± 83.321 χ^2/NDF : 378.6/16

Left Out: 725.250 ± 52.307 χ^2/NDF : 1883.1/24

Right Out: 722.111 ± 75.217 χ^2/NDF : 1352.7/19

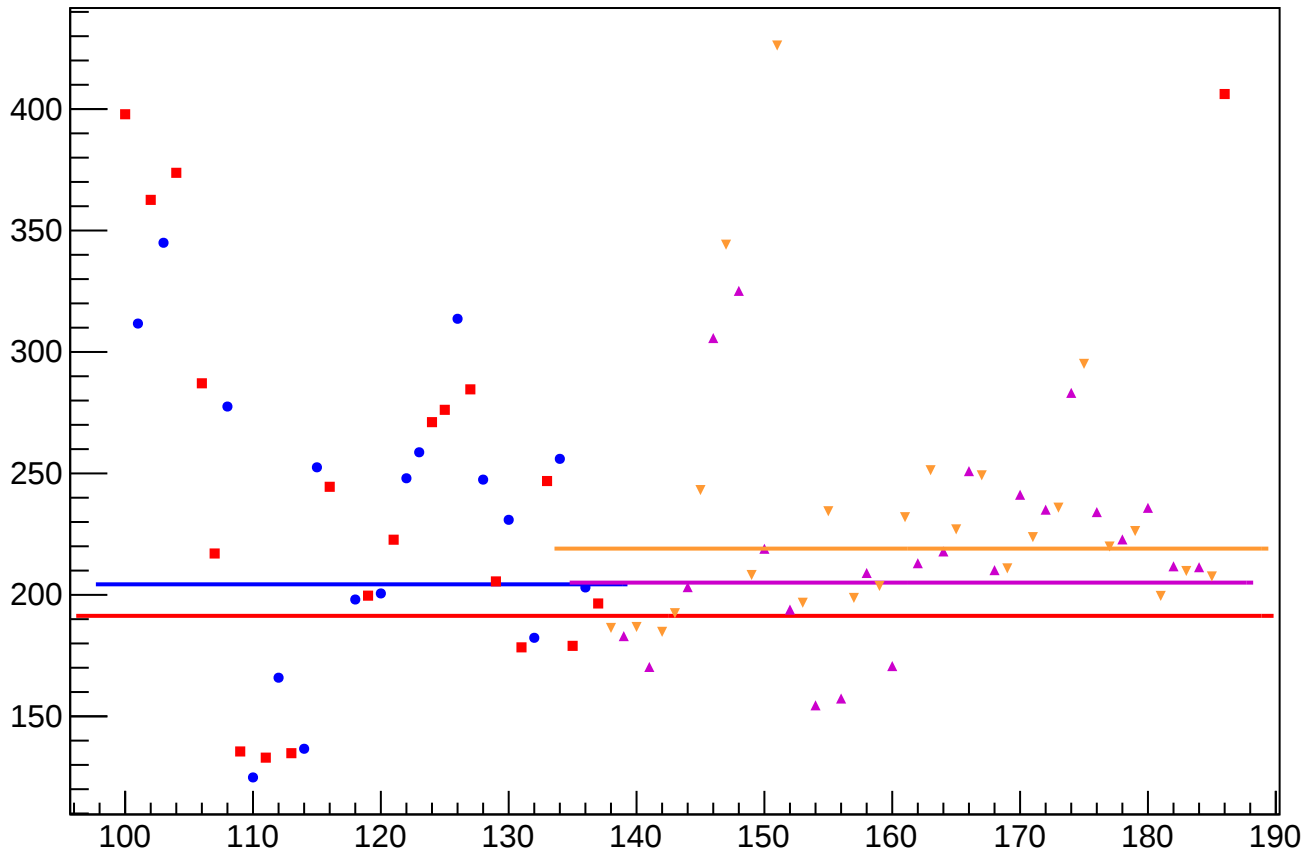
Left In: -370.408 ± 50.884 χ^2/NDF : 1223.2/22

+ sign 419.552 ± 44.301 χ^2/NDF : 2382.5/41

All: 184.945 ± 30.535 χ^2/NDF : 5156.5/84

- sign -27.395 ± 42.146 χ^2/NDF : 2720.6/42

asym_bpm0l10WS_rms vs Slug



Right In: 204.343 ± 0.059 χ^2/NDF : 944923.9/16

Left Out: 219.049 ± 0.037 χ^2/NDF : 975564.4/24

Right Out: 191.365 ± 0.053 χ^2/NDF : 1526884.6/19

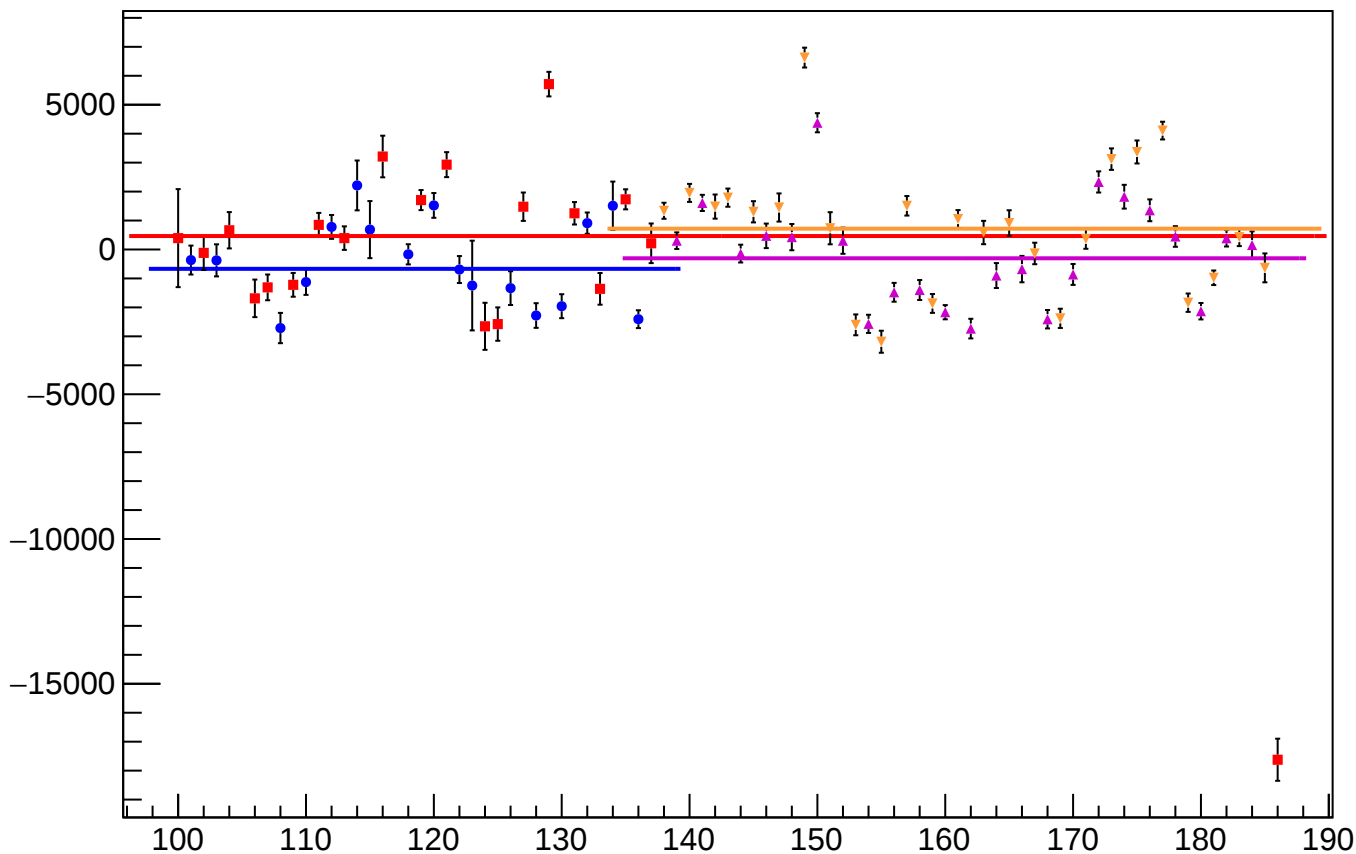
Left In: 205.046 ± 0.036 χ^2/NDF : 1144197.1/22

+ sign 214.891 ± 0.031 χ^2/NDF : 1965178.0/41

All: 207.469 ± 0.022 χ^2/NDF : 4788615.1/84

- sign 200.751 ± 0.030 χ^2/NDF : 2716478.8/42

asym_bpm0r03WS_mean vs Slug



Right In: -668.118 ± 114.189 χ^2/NDF : 153.3/16

Left Out: 718.705 ± 69.601 χ^2/NDF : 1018.5/24

Right Out: 464.576 ± 109.577 χ^2/NDF : 953.3/19

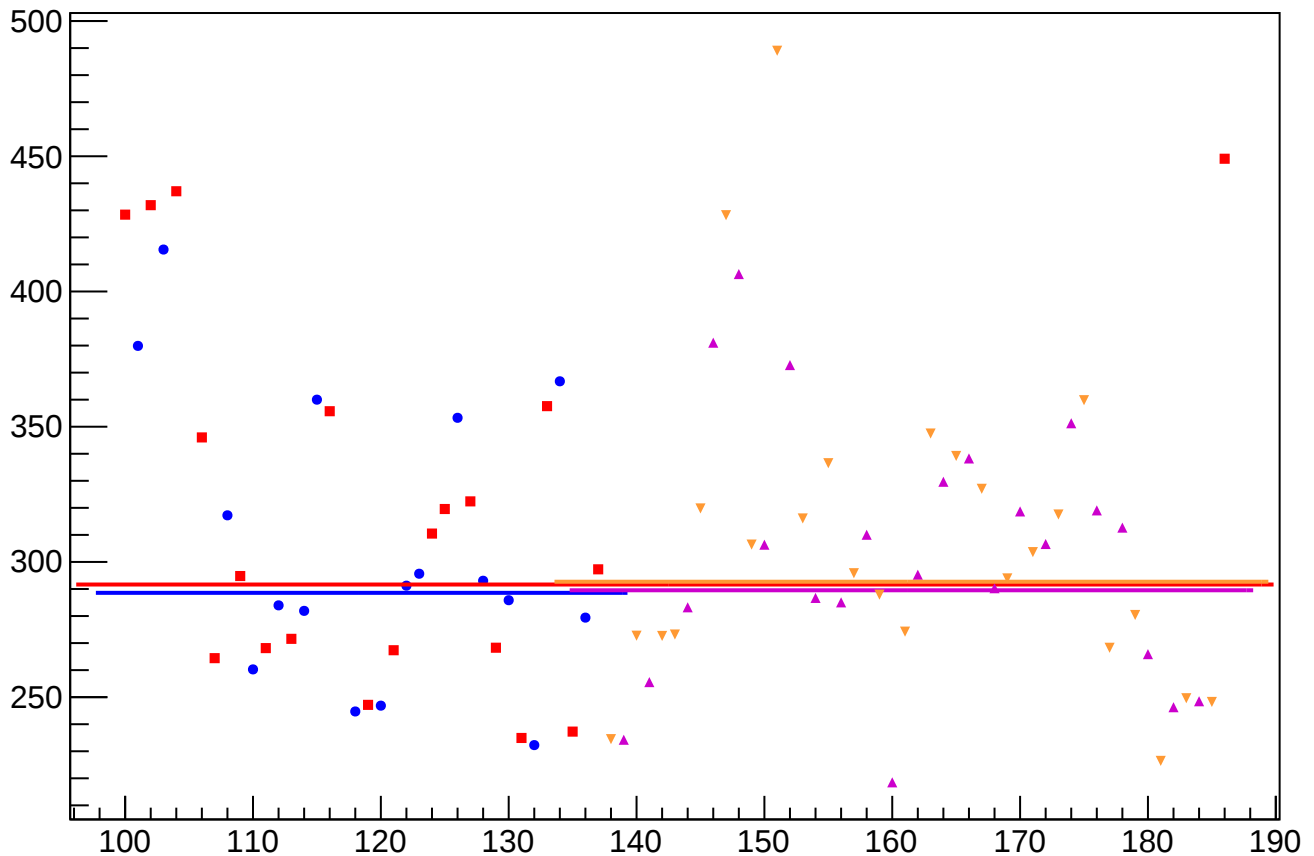
Left In: -304.161 ± 70.958 χ^2/NDF : 643.5/22

+ sign 343.045 ± 59.431 χ^2/NDF : 1279.4/41

All: 133.458 ± 42.070 χ^2/NDF : 2935.8/84

- sign -77.042 ± 59.560 χ^2/NDF : 1631.5/42

asym_bpm0r03WS_rms vs Slug



Right In: 288.577 $\pm$ 0.081 χ^2 /NDF: 338793.1/16

Left Out: 292.686 $\pm$ 0.049 χ^2 /NDF: 925193.6/24

Right Out: 291.653 $\pm$ 0.077 χ^2 /NDF: 555880.0/19

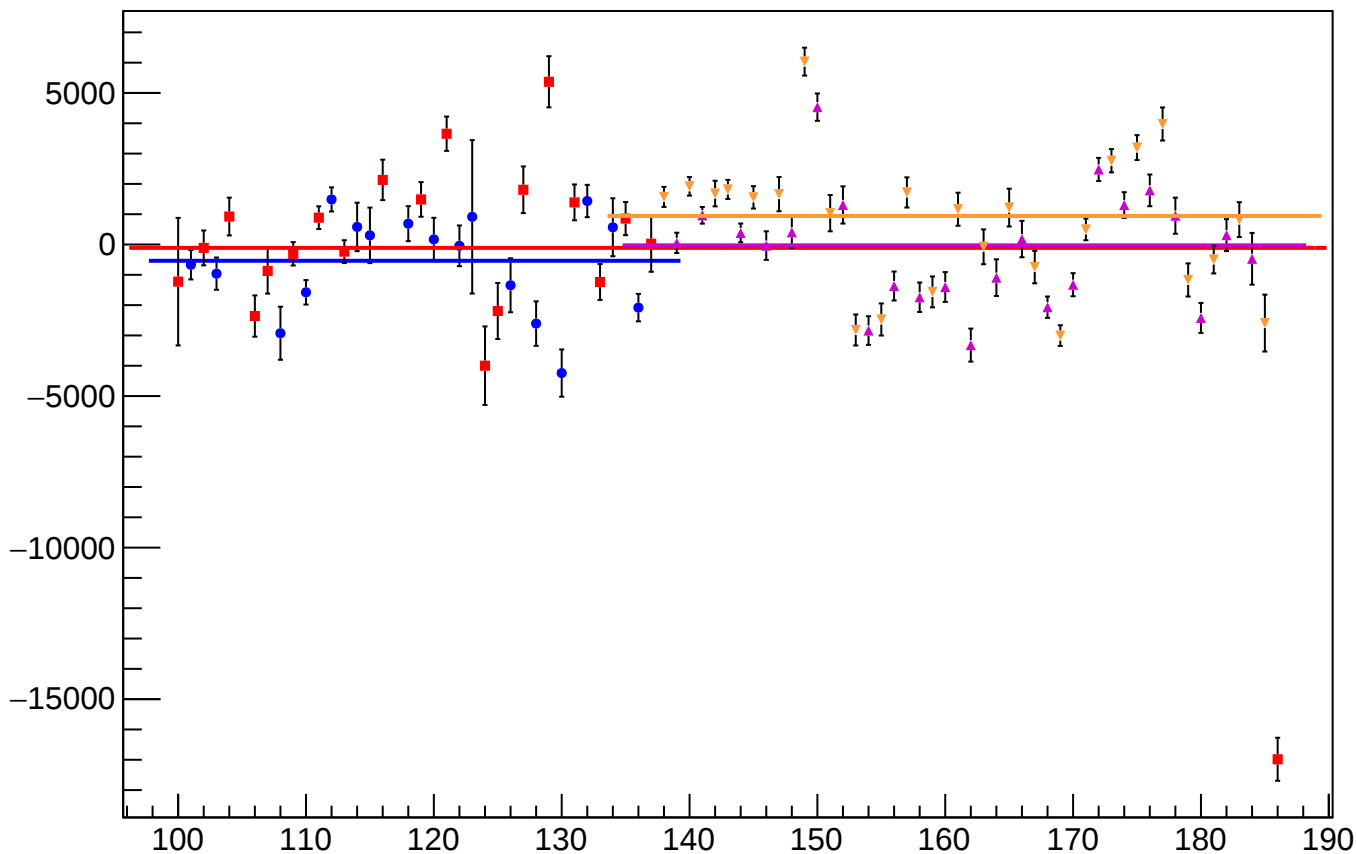
Left In: 289.522 $\pm$ 0.050 χ^2 /NDF: 777901.0/22

+ sign 291.573 $\pm$ 0.042 χ^2 /NDF: 1265875.0/41

All: 290.864 $\pm$ 0.030 χ^2 /NDF: 2600759.9/84

- sign 290.151 $\pm$ 0.042 χ^2 /NDF: 1334314.0/42

asym_bpm0r05WS_mean vs Slug



Right In: -536.568 ± 147.571 χ^2/NDF : 107.9/16

Left Out: 941.598 ± 89.119 χ^2/NDF : 544.6/24

Right Out: -110.149 ± 133.347 χ^2/NDF : 725.9/19

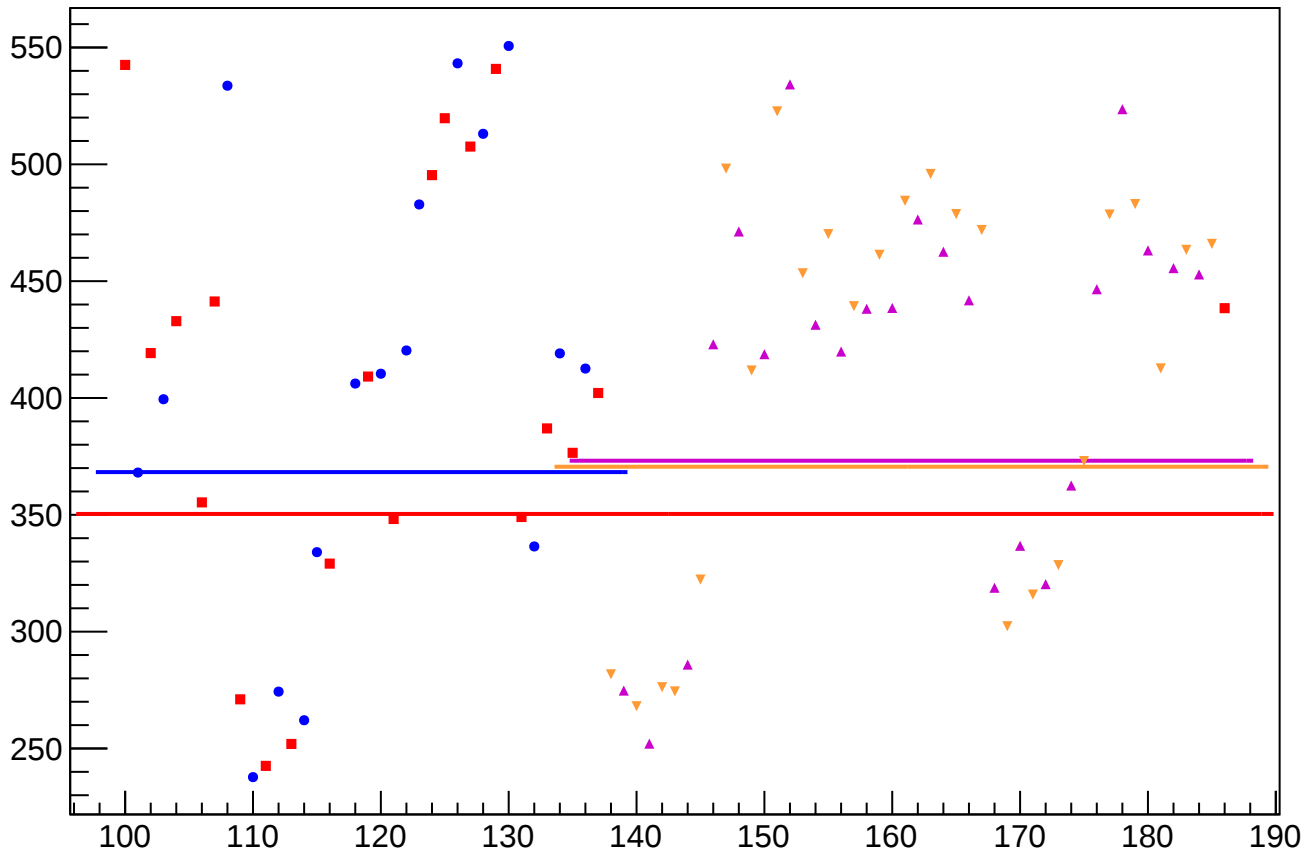
Left In: -27.763 ± 92.331 χ^2/NDF : 362.5/22

+ sign 546.574 ± 76.287 χ^2/NDF : 726.0/41

All: 244.567 ± 53.809 χ^2/NDF : 1845.9/84

- sign -54.461 ± 75.910 χ^2/NDF : 1088.7/42

asym_bpm0r05WS_rms vs Slug



Right In: 368.287 $\pm$ 0.104 χ^2 /NDF: 765418.4/16

Left Out: 370.580 $\pm$ 0.063 χ^2 /NDF:1878118.9/24

Right Out: 350.376 $\pm$ 0.094 χ^2 /NDF: 848177.8/19

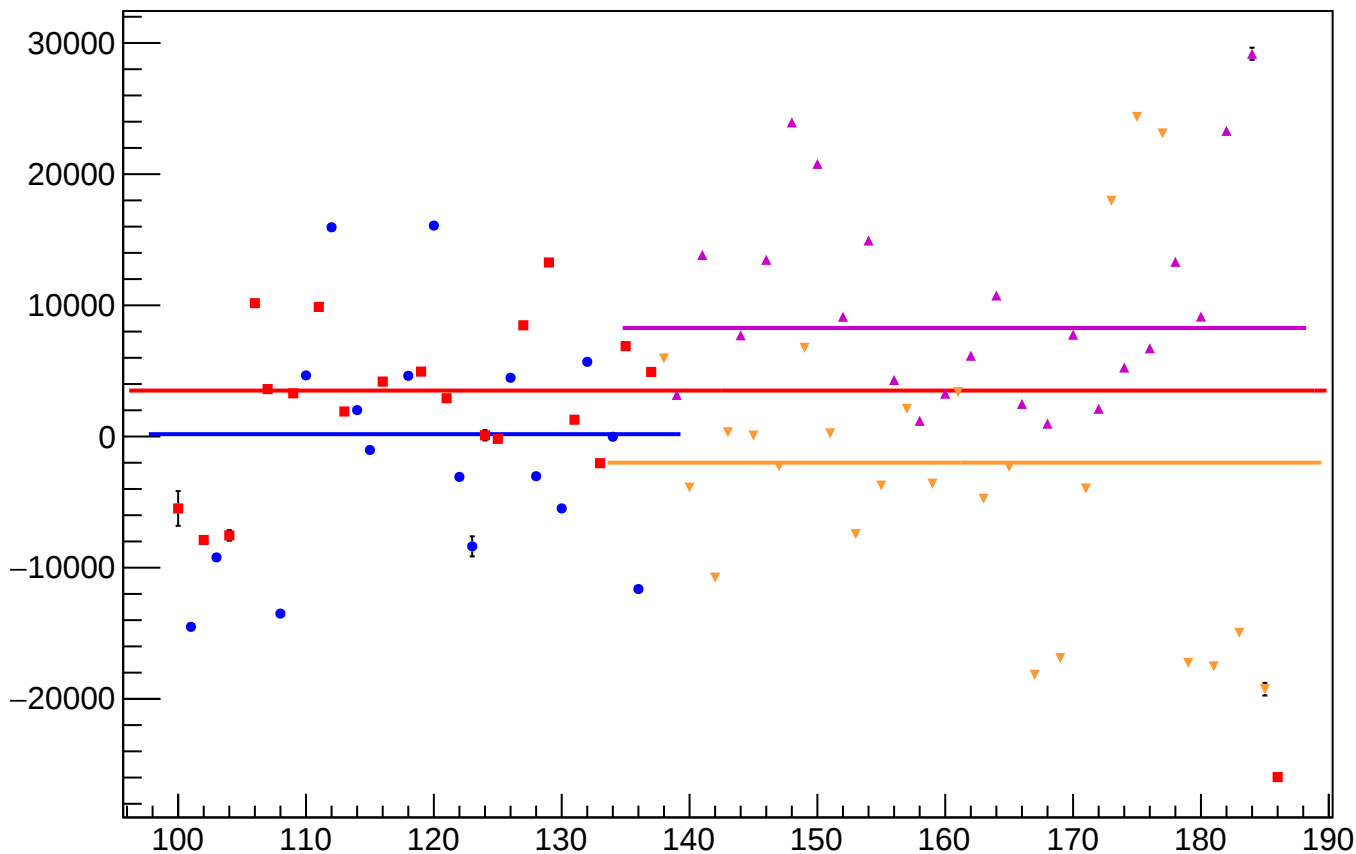
Left In: 373.161 $\pm$ 0.065 χ^2 /NDF:1636244.2/22

+ sign 369.967 $\pm$ 0.054 χ^2 /NDF: 2643890.9/41

All: 367.862 $\pm$ 0.038 χ^2 /NDF: 5170812.4/84

- sign 365.777 $\pm$ 0.054 χ^2 /NDF: 2523889.9/42

asym_bpm0i02WS_mean vs Slug



Right In: 178.788 ± 54.896 $\chi^2/\text{NDF}: 30662.2/16$

Left Out: -1991.788 ± 42.427 $\chi^2/\text{NDF}: 63766.6/24$

Right Out: 3503.372 ± 51.555 $\chi^2/\text{NDF}: 18780.9/19$

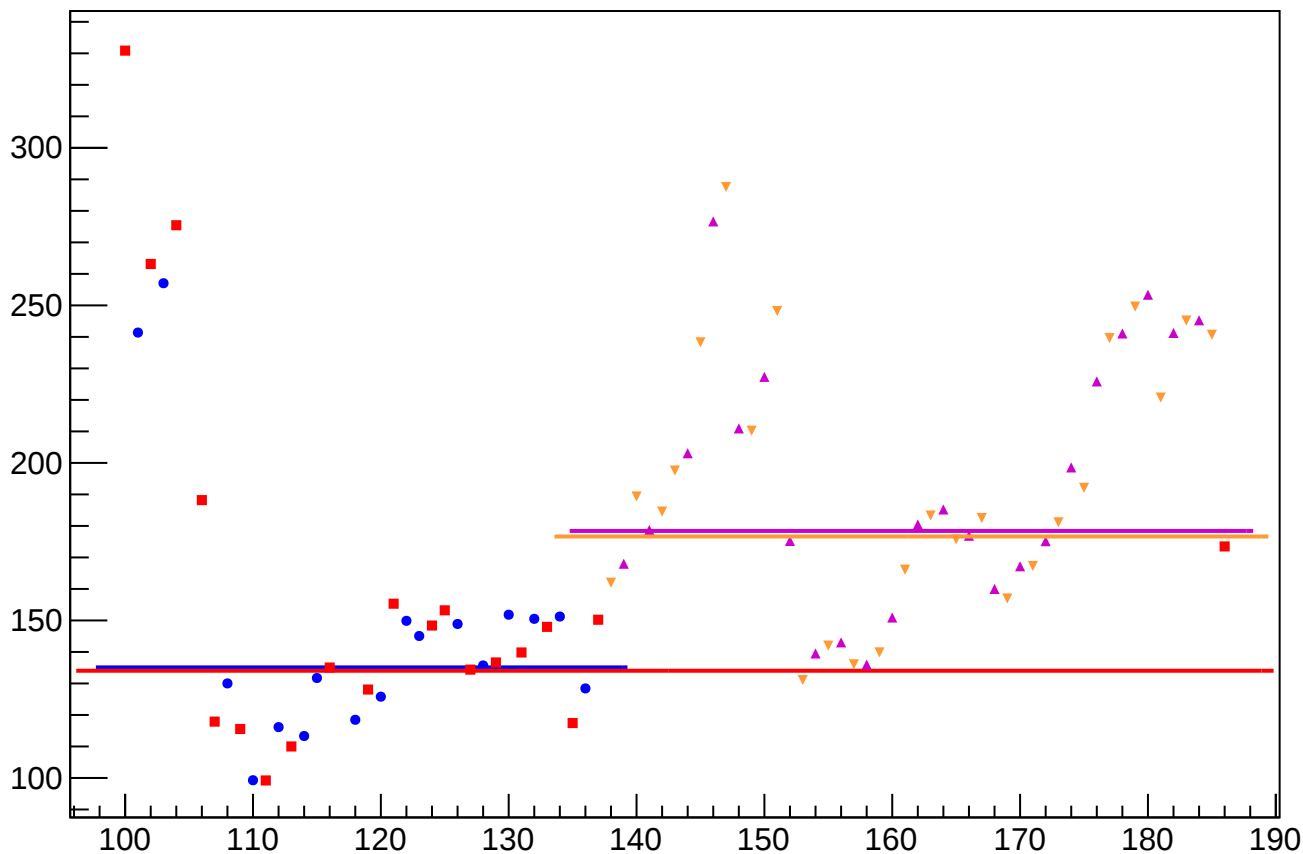
Left In: 8273.228 ± 44.301 $\chi^2/\text{NDF}: 22870.2/22$

+ sign -1180.117 ± 33.570 $\chi^2/\text{NDF}: 95407.5/41$

All: 2530.166 ± 23.748 $\chi^2/\text{NDF}: 166436.4/84$

- sign 6247.209 ± 33.600 $\chi^2/\text{NDF}: 46575.0/42$

asym_bpm0i02WS_rms vs Slug



Right In: 135.099 $\pm$ 0.039 χ^2 /NDF: 657657.4/16

Left Out: 176.641 $\pm$ 0.030 χ^2 /NDF:1551048.8/24

Right Out: 134.038 $\pm$ 0.036 χ^2 /NDF: 868914.0/19

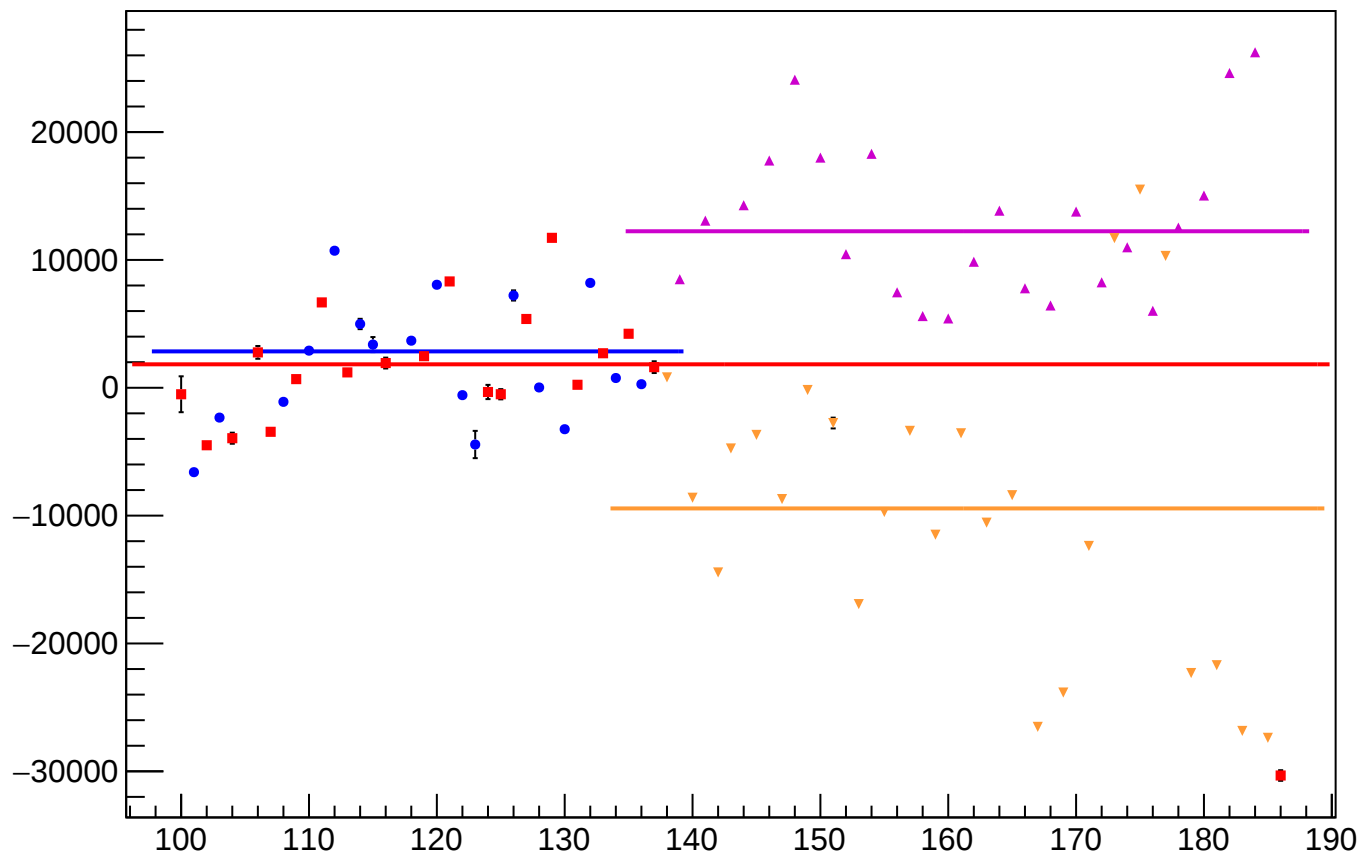
Left In: 178.413 $\pm$ 0.031 χ^2 /NDF:1293736.2/22

+ sign 161.106 $\pm$ 0.024 χ^2 /NDF: 2925731.3/41

All: 160.336 $\pm$ 0.017 χ^2 /NDF: 5942852.7/84

- sign 159.565 $\pm$ 0.024 χ^2 /NDF: 3015014.0/42

asym_bpm0i02aWS_mean vs Slug



Right In: 2846.117+/-70.894 χ^2/NDF : 4160.1/16

Left Out: -9437.408+/-45.534 χ^2/NDF : 62220.4/24

Right Out: 1834.858+/-64.900 χ^2/NDF : 9352.3/19

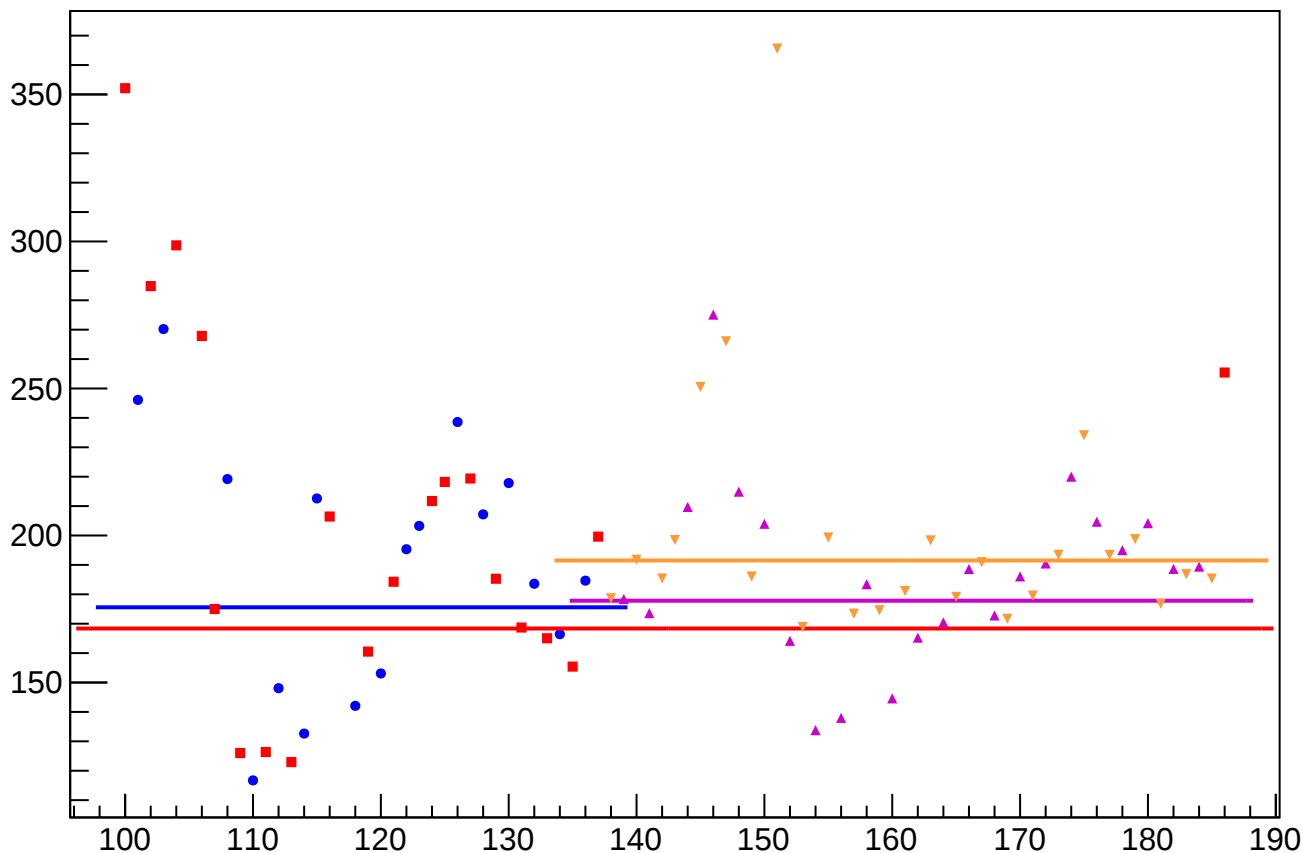
Left In: 12242.226+/-43.944 χ^2/NDF : 16615.8/22

+ sign -5849.984+/-38.312 χ^2/NDF : 87633.8/41

All: 1941.951+/-26.384 χ^2/NDF : 209907.8/84

- sign 8970.639+/-36.388 χ^2/NDF : 43599.7/42

asym_bpm0i02aWS_rms vs Slug



Right In: 175.582 $\pm$ 0.050 χ^2 /NDF: 687852.4/16

Left Out: 191.507 $\pm$ 0.032 χ^2 /NDF: 727251.6/24

Right Out: 168.369 $\pm$ 0.046 χ^2 /NDF: 1016035.2/19

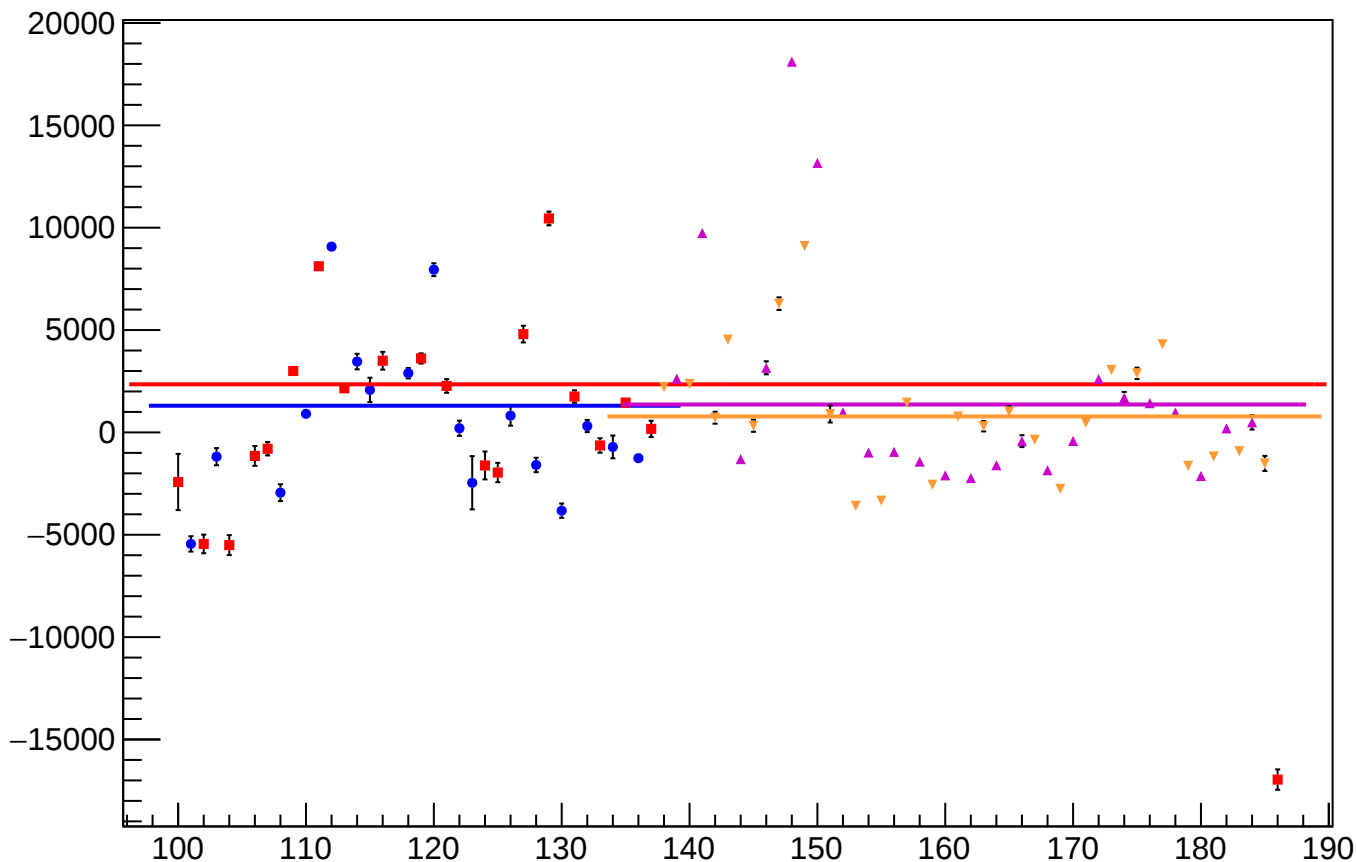
Left In: 177.821 $\pm$ 0.031 χ^2 /NDF: 862494.4/22

+ sign 186.856 $\pm$ 0.027 χ^2 /NDF: 1486548.2/41

All: 180.544 $\pm$ 0.019 χ^2 /NDF: 3497423.6/84

- sign 174.850 $\pm$ 0.026 χ^2 /NDF: 1907619.4/42

asym_bpm0i05WS_mean vs Slug



Right In: 1302.950+/-77.323 χ^2/NDF : 2649.9/16

Left Out: 779.983+/-47.457 χ^2/NDF : 4260.8/24

Right Out: 2348.875+/-69.332 χ^2/NDF : 4025.5/19

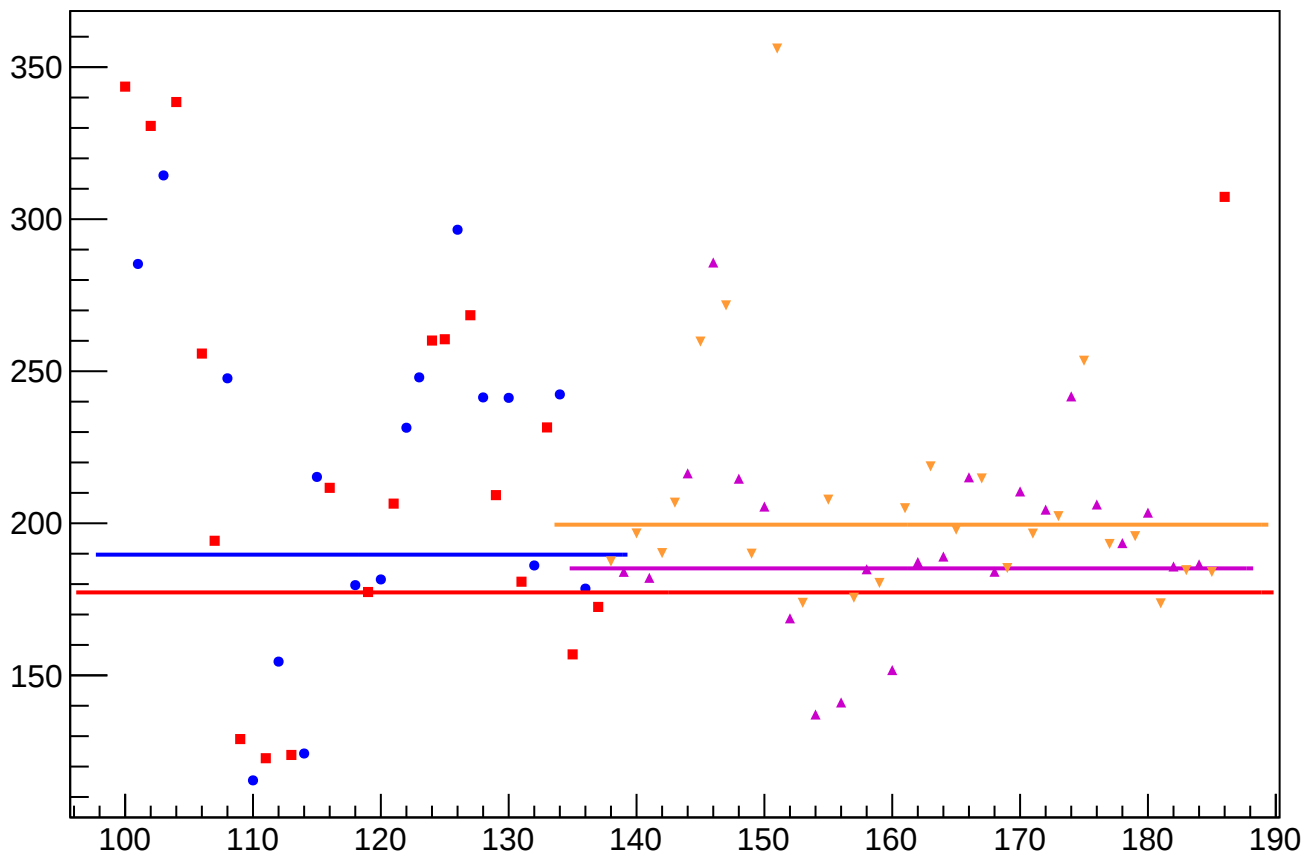
Left In: 1363.043+/-45.807 χ^2/NDF : 11632.9/22

+ sign 923.078+/-40.447 χ^2/NDF : 6943.9/41

All: 1313.773+/-27.779 χ^2/NDF : 22919.6/84

- sign 1662.605+/-38.219 χ^2/NDF : 15799.1/42

asym_bpm0i05WS_rms vs Slug



Right In: 189.687 ± 0.055 χ^2/NDF : 977199.2/16

Left Out: 199.547 ± 0.034 χ^2/NDF : 729356.3/24

Right Out: 177.270 ± 0.049 χ^2/NDF : 1429809.6/19

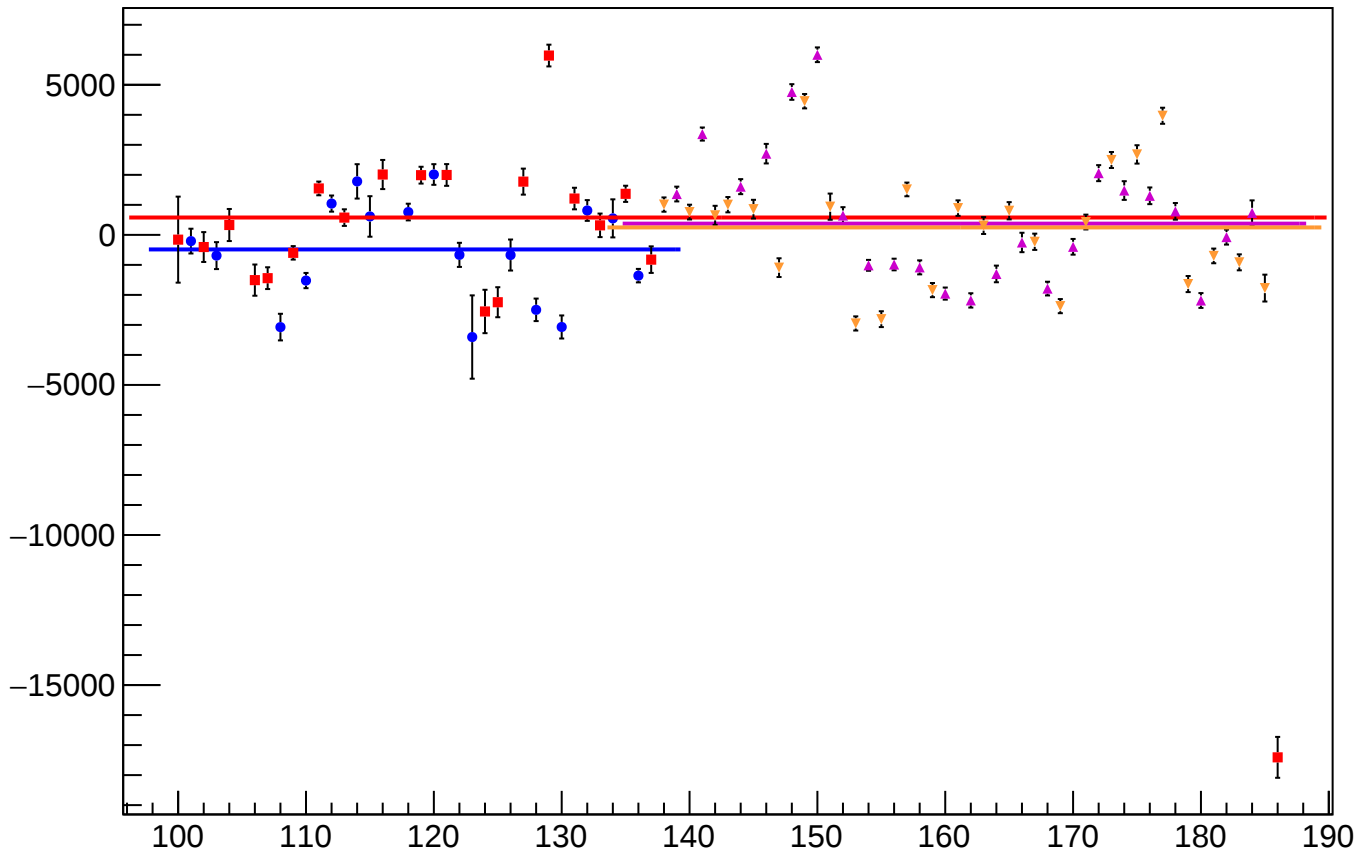
Left In: 185.171 ± 0.032 χ^2/NDF : 882752.2/22

+ sign 196.849 ± 0.029 χ^2/NDF : 1730177.5/41

All: 189.411 ± 0.020 χ^2/NDF : 4188845.3/84

- sign 182.770 ± 0.027 χ^2/NDF : 2330642.1/42

asym_bpm0i07WS_mean vs Slug



Right In: -485.036+/-88.788 χ^2/NDF : 285.3/16

Left Out: 247.844+/-53.555 χ^2/NDF :1355.1/24

Right Out: 578.583+/-81.640 χ^2/NDF : 1145.3/19

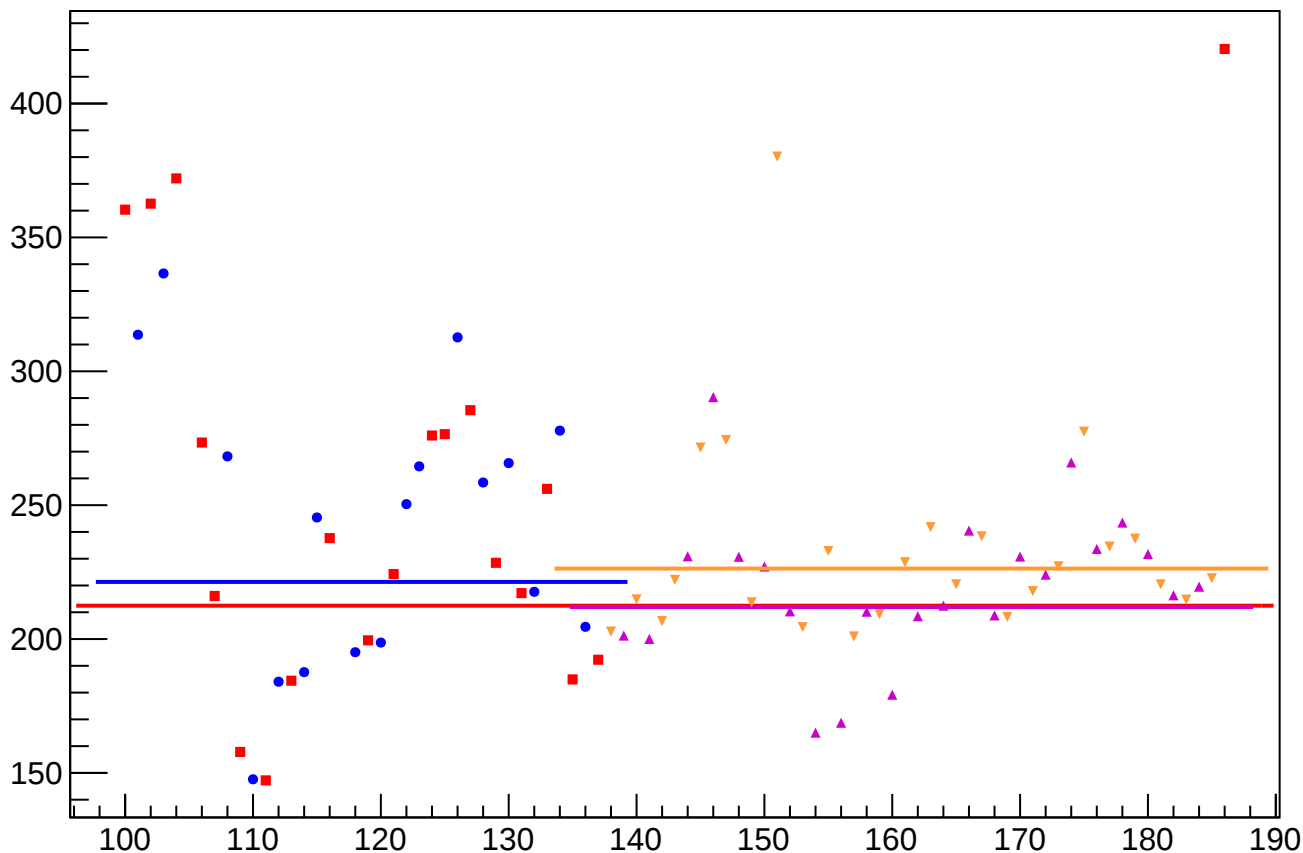
Left In: 374.122+/-52.049 χ^2/NDF :1801.0/22

+ sign 52.337+/-45.859 χ^2/NDF : 1690.3/41

All: 251.131+/-31.707 χ^2/NDF : 4677.1/84

- sign 433.210+/-43.888 χ^2/NDF : 2950.8/42

asym_bpm0i07WS_rms vs Slug



Right In: 221.339 ± 0.063 χ^2/NDF : 645507.4/16

Left Out: 226.322 ± 0.038 χ^2/NDF : 521041.8/24

+ sign 224.993 ± 0.032 χ^2/NDF : 1171167.8/41

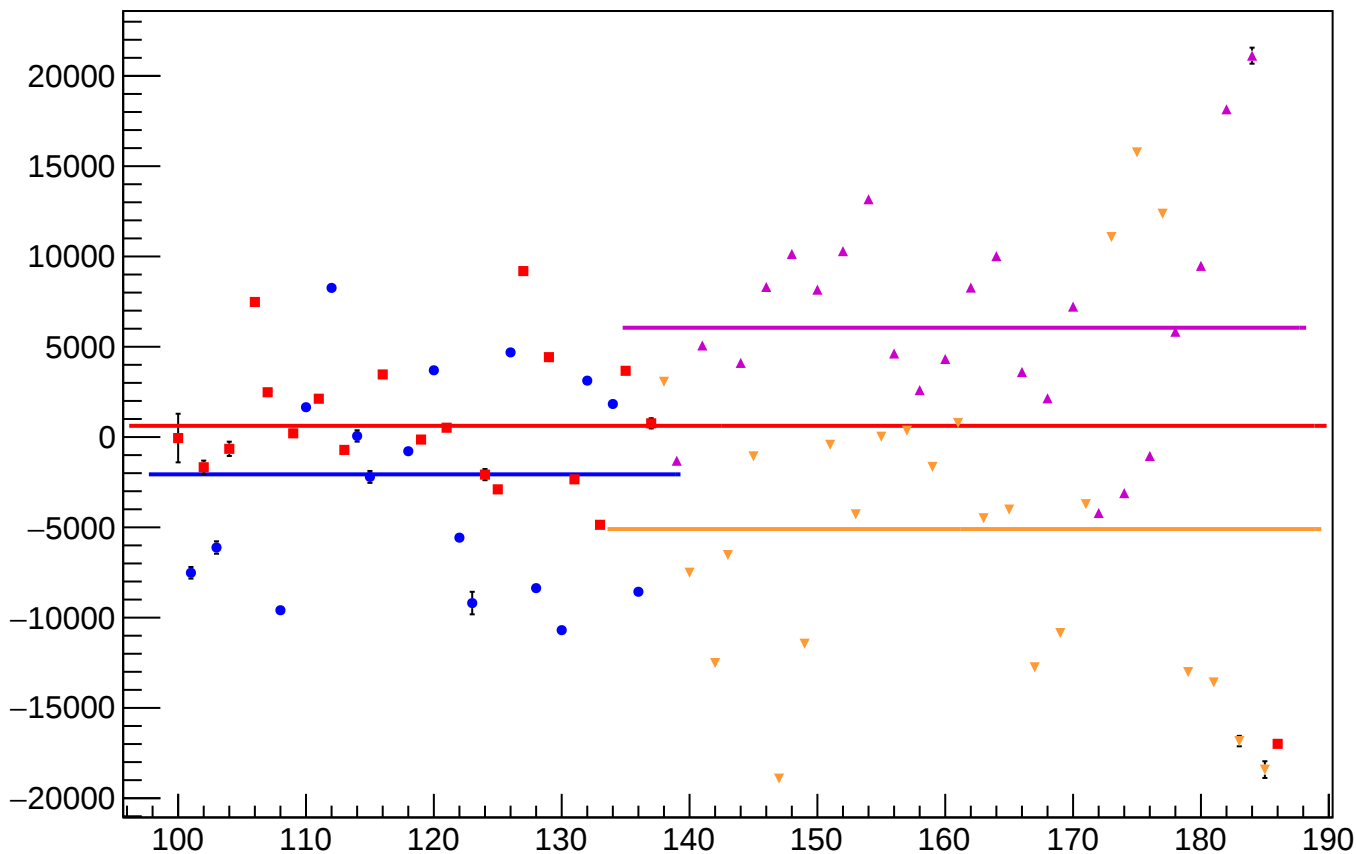
Right Out: 212.457 ± 0.058 χ^2/NDF : 1068273.5/19

All: 218.269 ± 0.022 χ^2/NDF : 2906204.8/84

Left In: 211.970 ± 0.037 χ^2/NDF : 584344.5/22

- sign 212.111 ± 0.031 χ^2/NDF : 1652668.5/42

asym_bpm1i02WS_mean vs Slug



Right In: -2065.524 ± 47.407 χ^2/NDF : 16535.7/16

Left Out: -5095.305 ± 33.703 χ^2/NDF : 54395.4/24

Right Out: 622.036 ± 44.140 χ^2/NDF : 12024.8/19

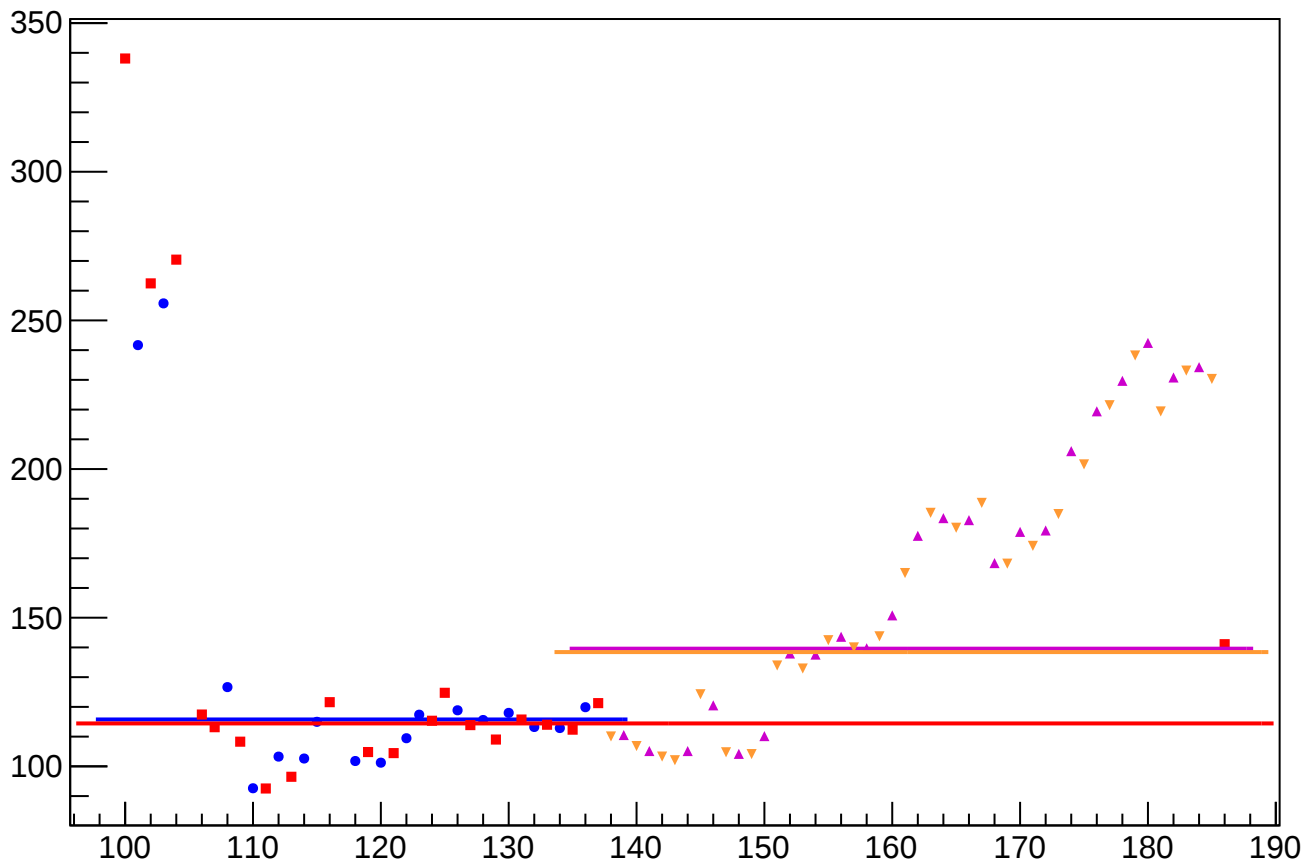
Left In: 6053.569 ± 34.998 χ^2/NDF : 17590.3/22

+ sign -4078.083 ± 27.469 χ^2/NDF : 73644.2/41

All: -53.927 ± 19.408 χ^2/NDF : 155409.1/84

- sign 3957.004 ± 27.424 χ^2/NDF : 38912.1/42

asym_bpm1i02WS_rms vs Slug



Right In: 115.768 $\pm$ 0.034 χ^2 /NDF: 743657.8/16

Left Out: 138.436 $\pm$ 0.024 χ^2 /NDF: 2549435.8/24

Right Out: 114.434 $\pm$ 0.031 χ^2 /NDF: 823324.5/19

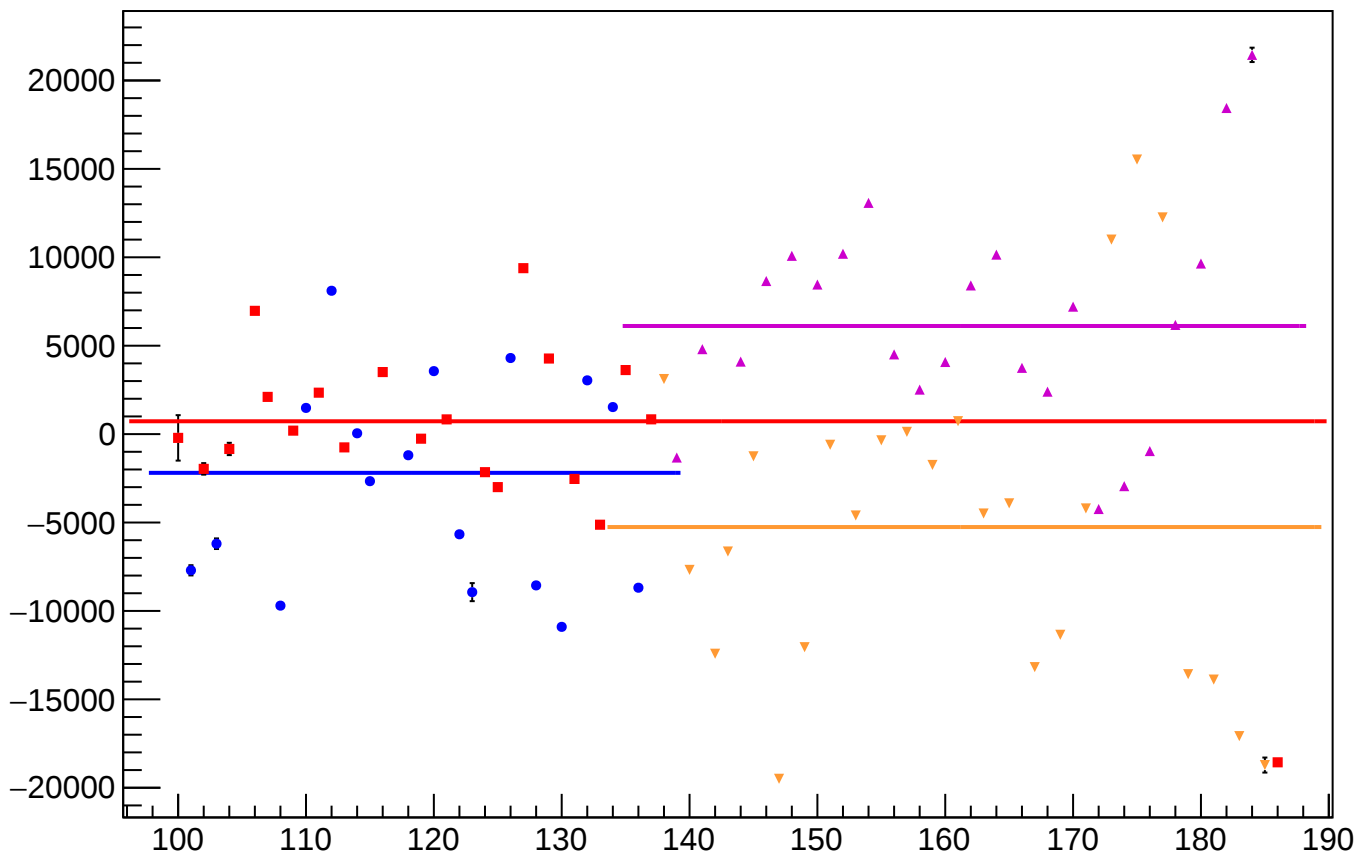
Left In: 139.578 $\pm$ 0.025 χ^2 /NDF: 2413658.9/22

+ sign 130.825 $\pm$ 0.019 χ^2 /NDF: 3596837.7/41

All: 130.348 $\pm$ 0.014 χ^2 /NDF: 7233480.6/84

- sign 129.872 $\pm$ 0.019 χ^2 /NDF: 3635438.0/42

asym_bpm1i04WS_mean vs Slug



Right In: -2190.242 ± 40.008 $\chi^2/\text{NDF}: 22811.0/16$

Left Out: -5255.652 ± 30.622 $\chi^2/\text{NDF}: 64324.6/24$

Right Out: 726.093 ± 37.520 $\chi^2/\text{NDF}: 15790.3/19$

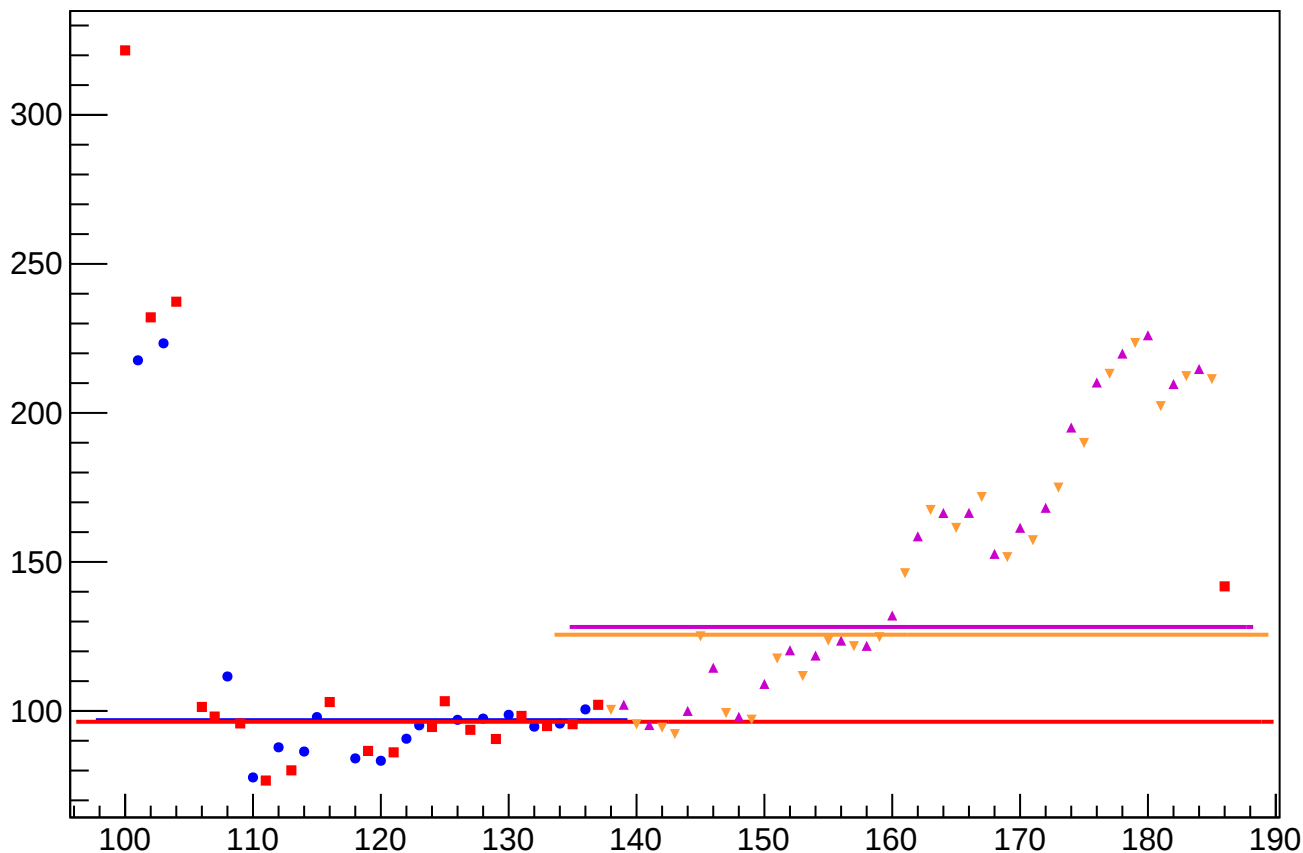
Left In: 6114.901 ± 32.126 $\chi^2/\text{NDF}: 21260.9/22$

+ sign -4123.251 ± 24.317 $\chi^2/\text{NDF}: 90837.5/41$

All: -157.960 ± 17.225 $\chi^2/\text{NDF}: 193161.7/84$

- sign 3835.417 ± 24.403 $\chi^2/\text{NDF}: 48953.3/42$

asym_bpm1i04WS_rms vs Slug



Right In: 96.898 $\pm$ 0.028 χ^2 /NDF: 817255.1/16

Left Out: 125.577 $\pm$ 0.022 χ^2 /NDF: 2595752.6/24

Right Out: 96.369 $\pm$ 0.027 χ^2 /NDF: 938449.8/19

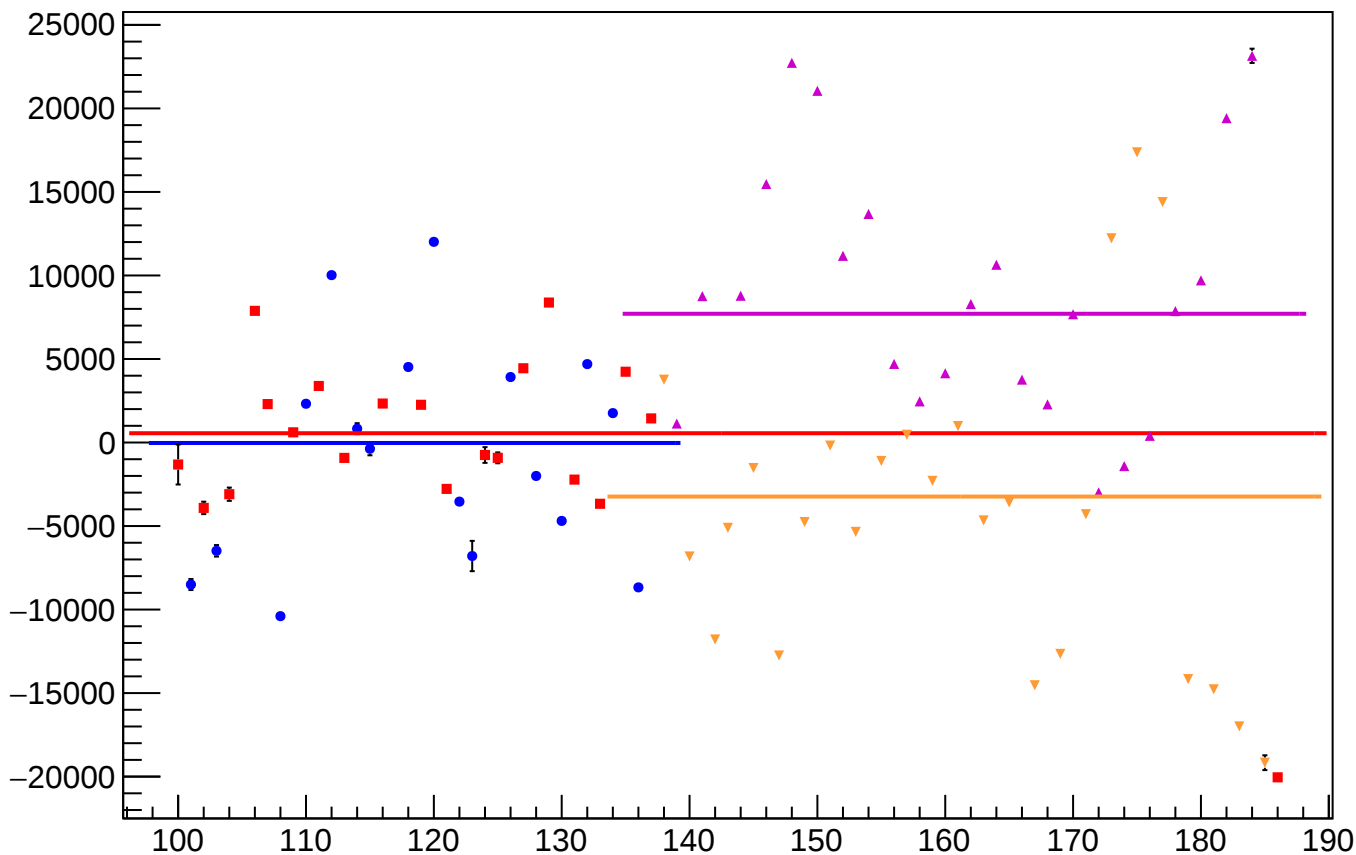
Left In: 128.184 $\pm$ 0.023 χ^2 /NDF: 2332977.5/22

+ sign 114.983 $\pm$ 0.017 χ^2 /NDF: 4061046.0/41

All: 114.855 $\pm$ 0.012 χ^2 /NDF: 8162290.5/84

- sign 114.726 $\pm$ 0.017 χ^2 /NDF: 4101133.2/42

asym_bpm1i06WS_mean vs Slug



Right In: -27.457+/-54.732 χ^2/NDF : 16364.6/16

Left Out: -3234.922+/-40.583 χ^2/NDF : 36739.9/24

Right Out: 556.669+/-51.372 χ^2/NDF : 9985.5/19

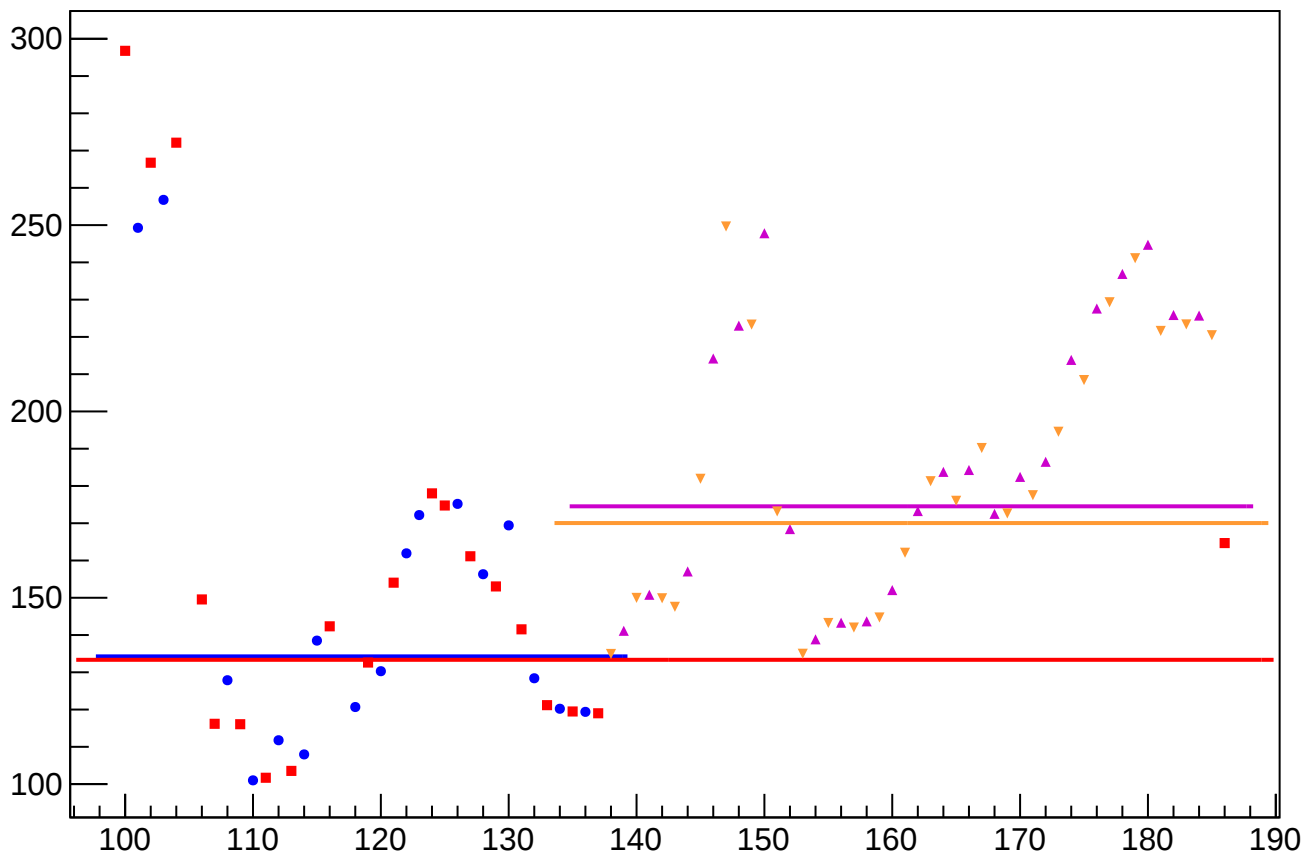
Left In: 7707.068+/-42.990 χ^2/NDF : 21268.3/22

+ sign -2097.070+/-32.599 χ^2/NDF : 55320.5/41

All: 1293.797+/-23.181 χ^2/NDF : 119854.8/84

- sign 4762.049+/-32.969 χ^2/NDF : 42648.1/42

asym_bpm1i06WS_rms vs Slug



Right In: 134.270 $\pm$ 0.039 χ^2/NDF : 787098.5/16

Left Out: 170.050 $\pm$ 0.029 χ^2/NDF : 1240866.9/24

Right Out: 133.351 $\pm$ 0.036 χ^2/NDF : 893413.5/19

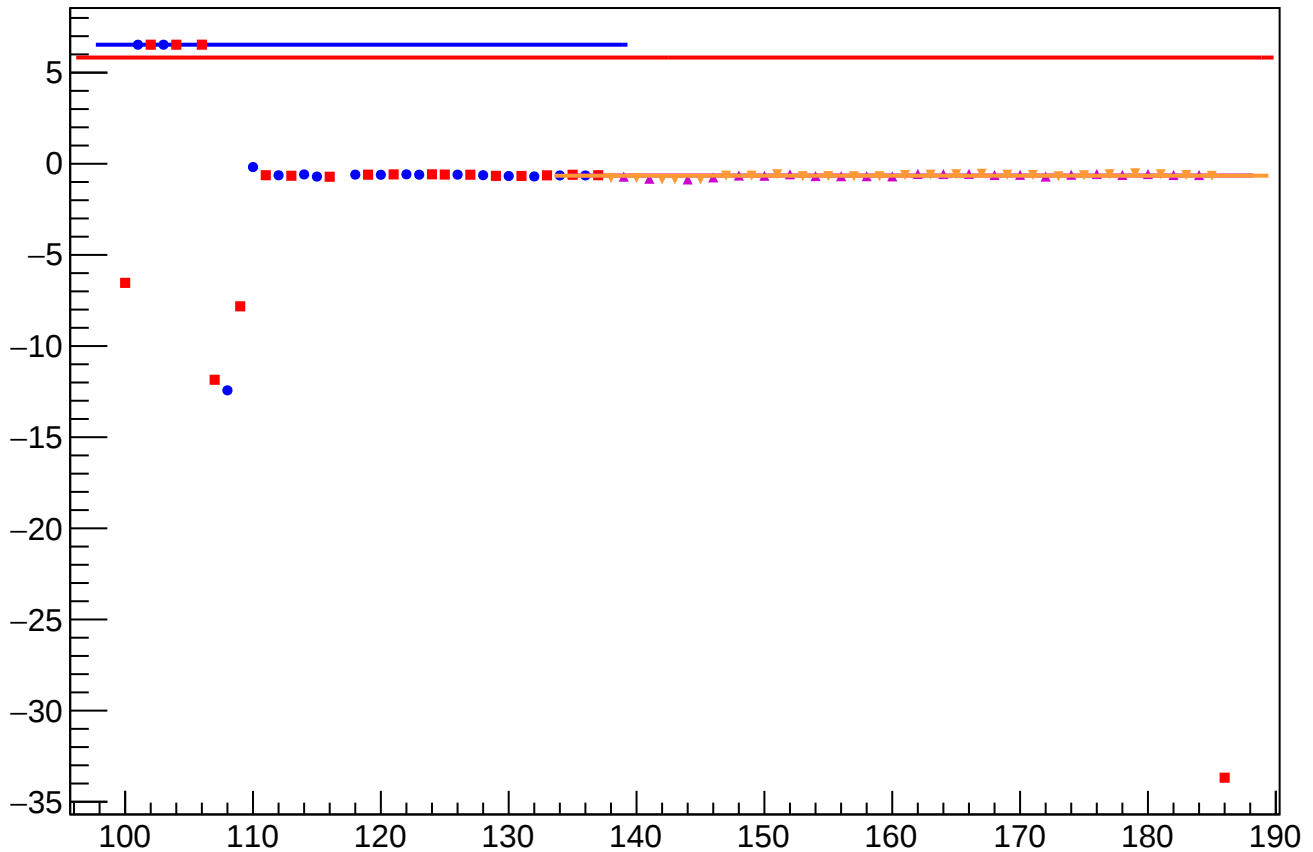
Left In: 174.539 $\pm$ 0.030 χ^2/NDF : 1210071.2/22

+ sign 157.357 $\pm$ 0.023 χ^2/NDF : 2579456.2/41

All: 157.465 $\pm$ 0.016 χ^2/NDF : 5439139.4/84

- sign 157.575 $\pm$ 0.023 χ^2/NDF : 2859639.0/42

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127565119308.7/16

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179109810.4/24

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 998954427088.6/41

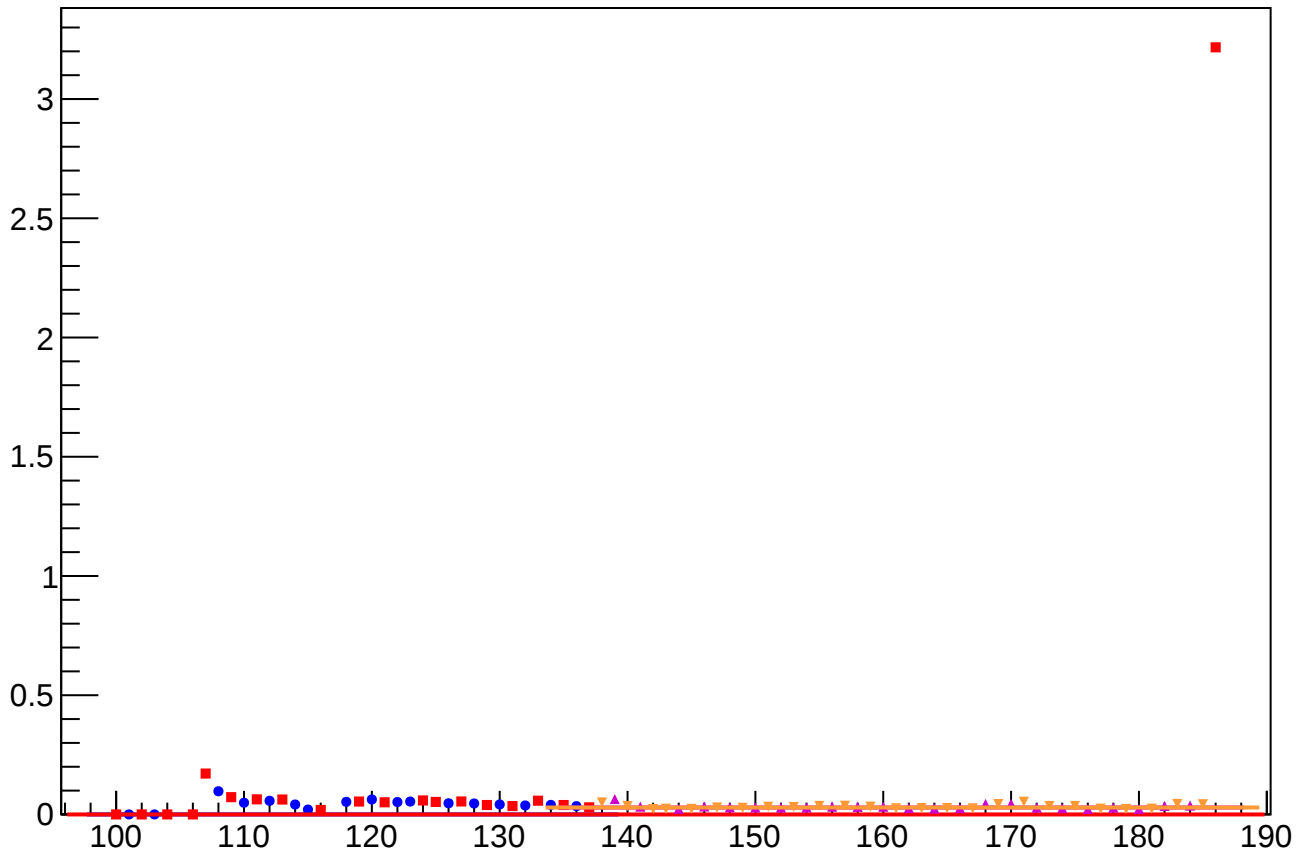
Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755947372602930.4/19

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77760147580595

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756618717230631.0/19

Left In: -0.644 $\pm$ 0.000 χ^2 /NDF: 122913584.0/22

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 :1487017.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10059889.5/19

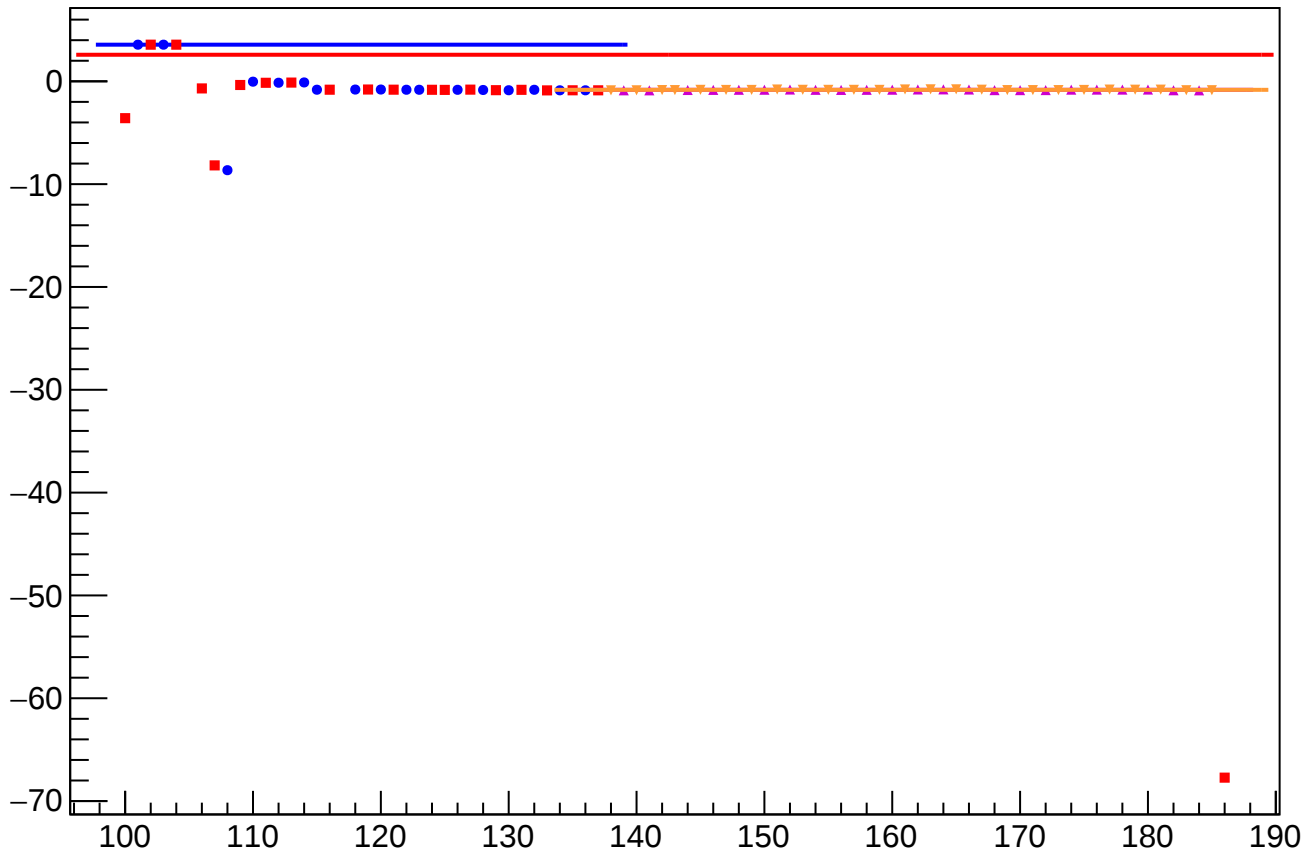
Left In: 0.029+/-0.000 χ^2/NDF :1164030.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 38879523.6/41

All: 0.000+/-0.000 χ^2/NDF : 76905814.9/84

- sign 0.000+/-0.000 χ^2/NDF : 38025607.2/42

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 : 168178464.8/24

Right Out: 2.583+/-0.000 χ^2/NDF : 1253504647368430.8/19

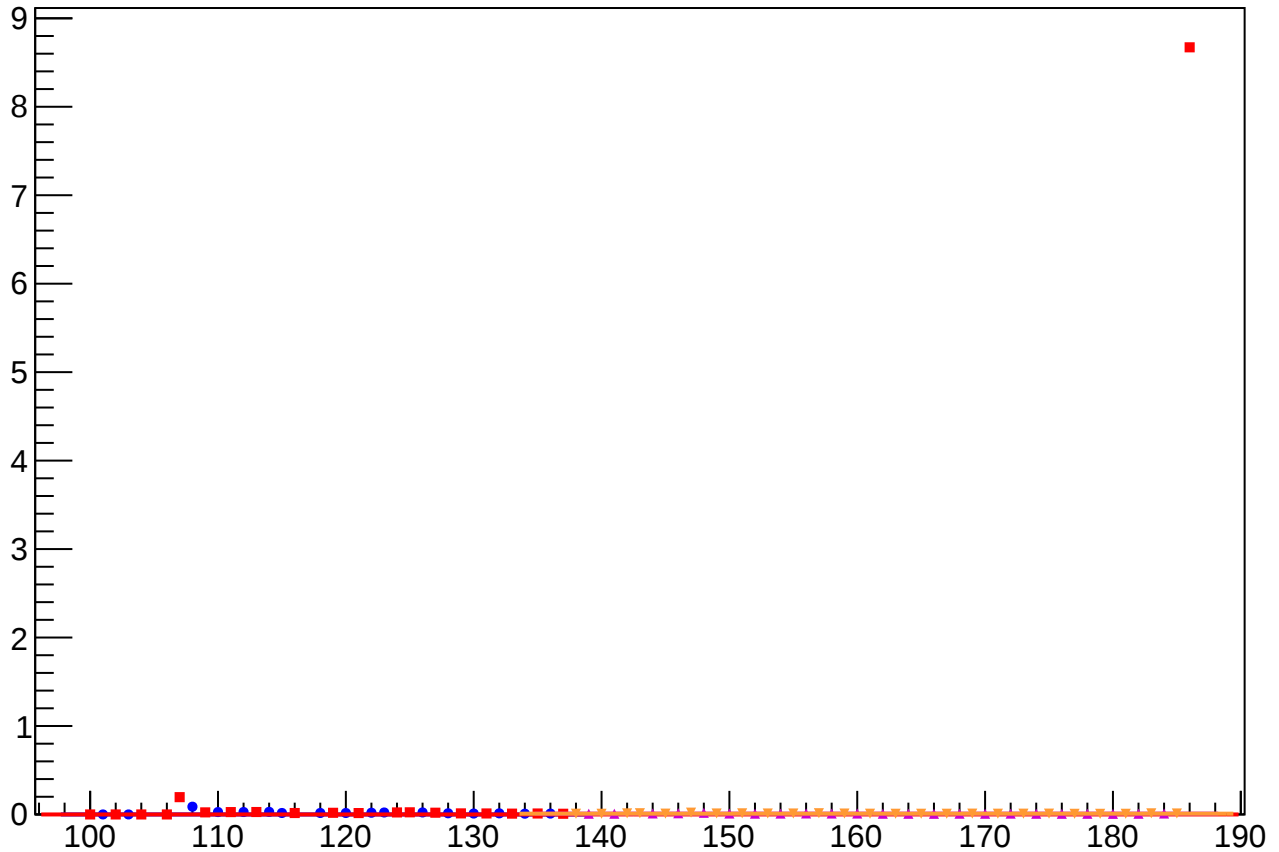
Left In: -0.827+/-0.000 χ^2/NDF : 172640246.1/22

+ sign 3.560+/-0.000 χ^2/NDF : 4167176933505.0/41

All: 3.038+/-0.000 χ^2/NDF : 13879473308407.0/100

- sign 2.581+/-0.000 χ^2/NDF : 1255704700847041.0/19

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 :1454710.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10558075.3/19

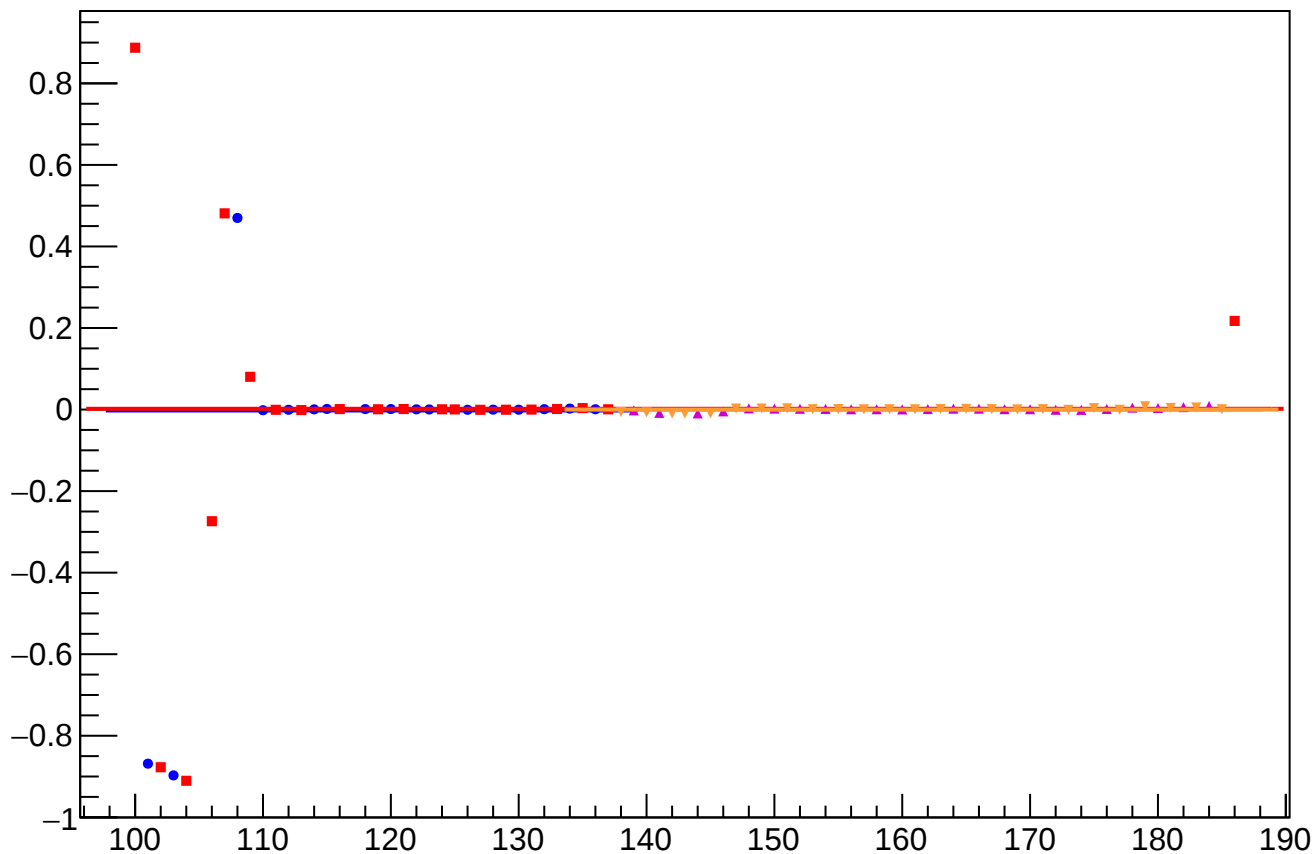
Left In: 0.009+/-0.000 χ^2/NDF :1041524.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 41222911.2/41

All: 0.000+/-0.000 χ^2/NDF : 81327721.5/84

- sign 0.000+/-0.000 χ^2/NDF : 40103686.3/42

yield_cav4cX_mean vs Slug



Right In: -0.002 $\pm$ 0.000 χ^2 /NDF: 9795455603.3/16

Left Out: -0.000 $\pm$ 0.000 χ^2 /NDF: 151482851.1/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3041344078.2/19

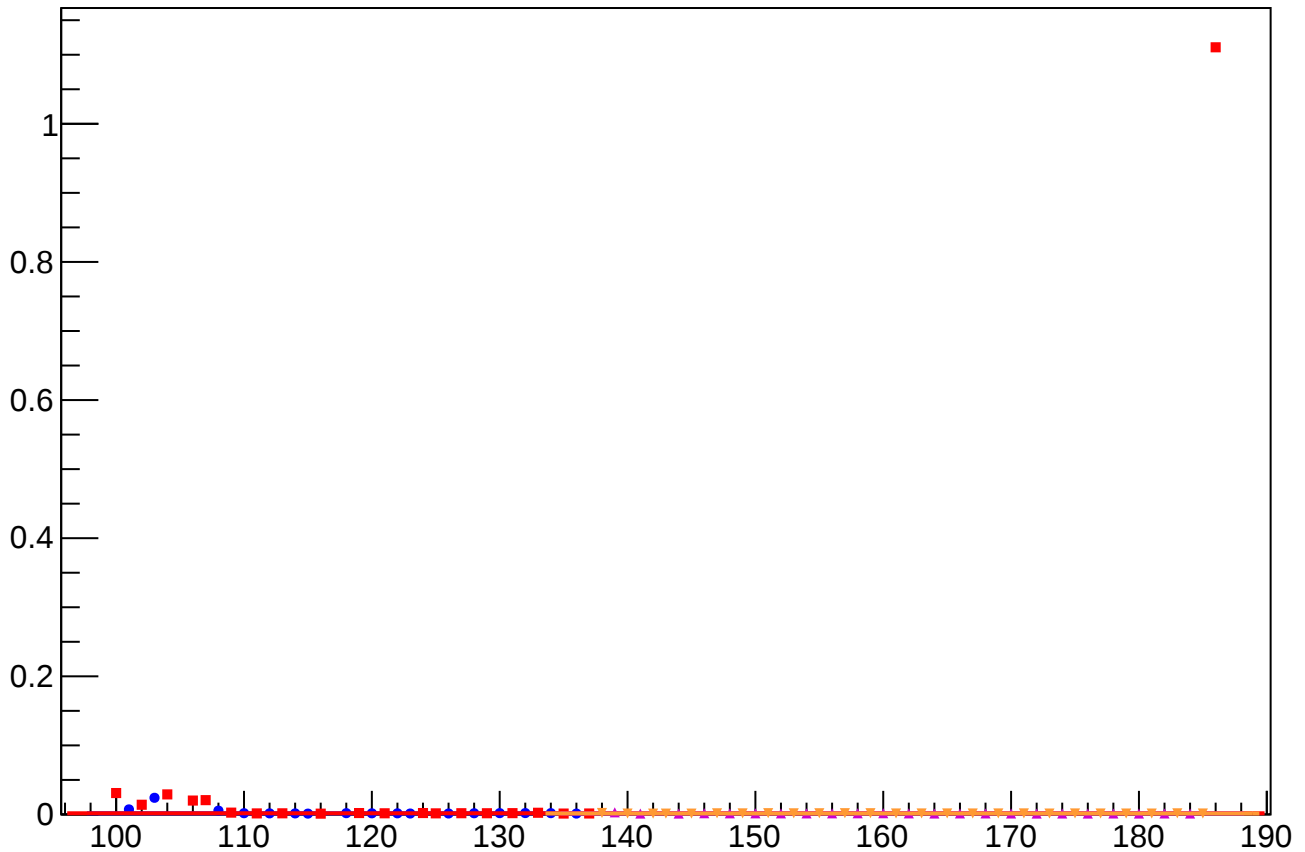
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF: 101439617.3/22

+ sign -0.001 $\pm$ 0.000 χ^2 /NDF: 9953477410.1/41

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 13105805403.8/8

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 3144747344.5/42

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 1922148.8/16

Left Out: 0.001+/-0.000 χ^2/NDF : 539817.3/24

Right Out: 0.002+/-0.000 χ^2/NDF : 3727951.7/19

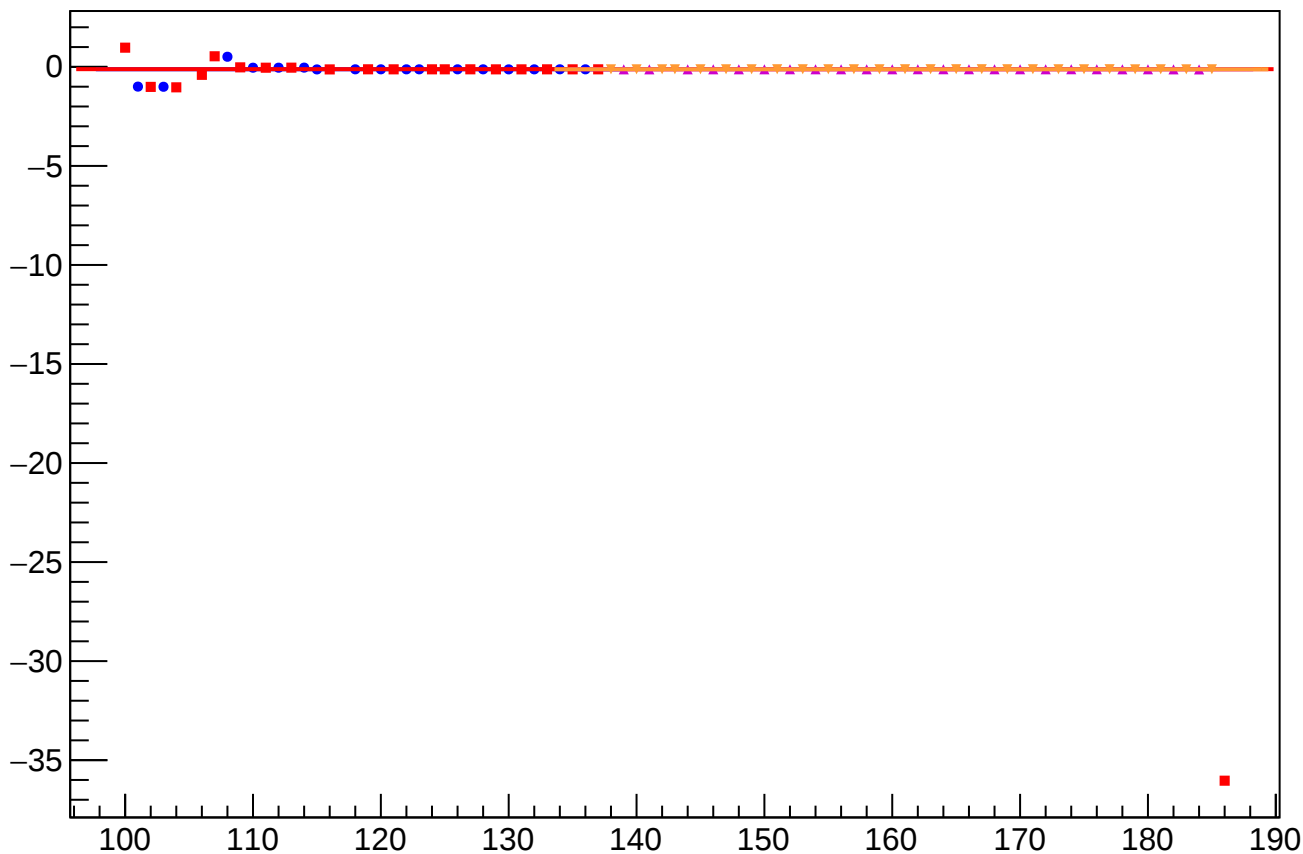
Left In: 0.001+/-0.000 χ^2/NDF : 626044.8/22

+ sign 0.002+/-0.000 χ^2/NDF : 2532153.3/41

All: 0.002+/-0.000 χ^2/NDF : 7002456.2/84

- sign 0.002+/-0.000 χ^2/NDF : 4461390.7/42

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 : 58120109.3/24

Right Out: -0.115+/-0.000 χ^2/NDF : 2498567355.5/19

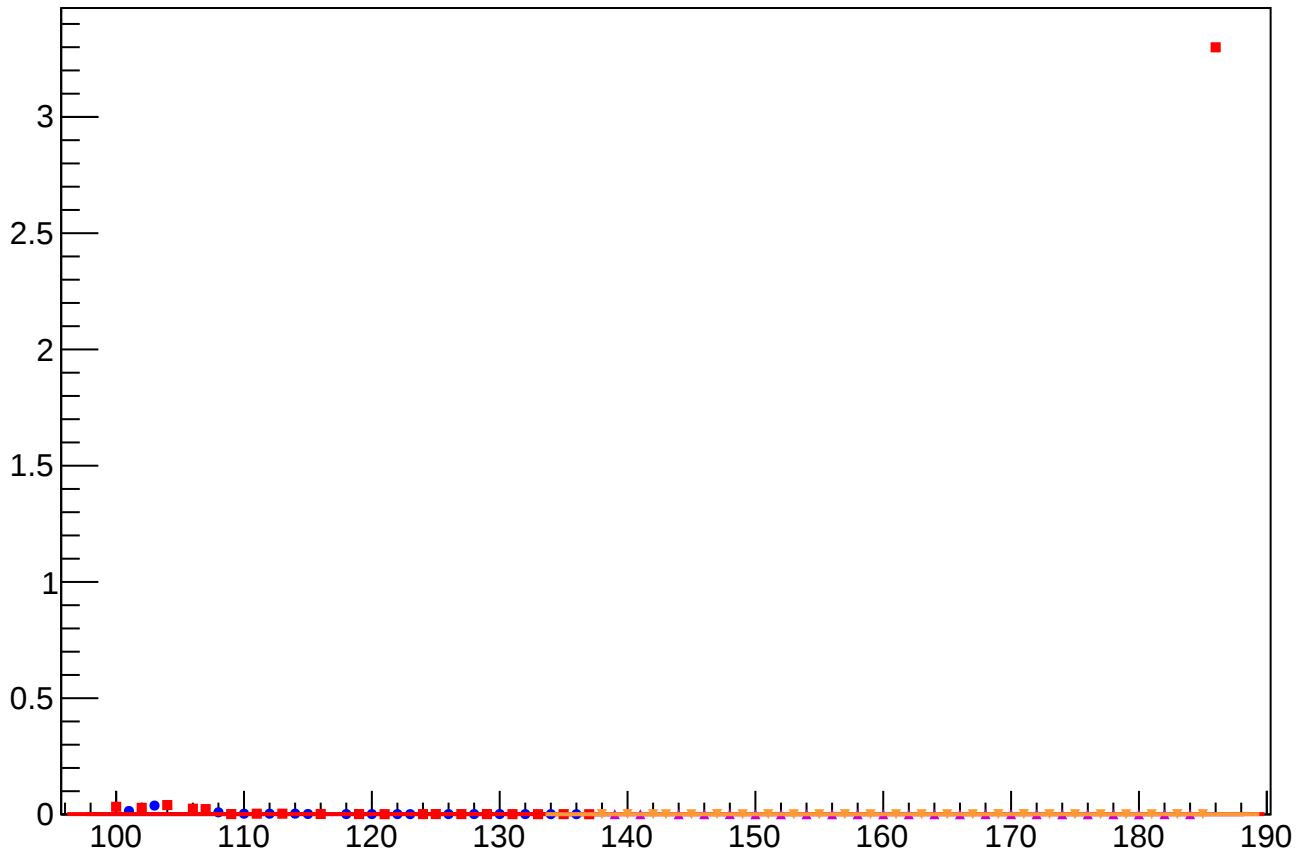
Left In: -0.121+/-0.000 χ^2/NDF : 52113932.9/22

+ sign -0.121+/-0.000 χ^2/NDF : 3991843916.9/41

All: -0.121+/-0.000 χ^2/NDF : 6598314324.9/8

- sign -0.120+/-0.000 χ^2/NDF : 2602289892.0/42

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:1363316.8/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 4245931.0/19

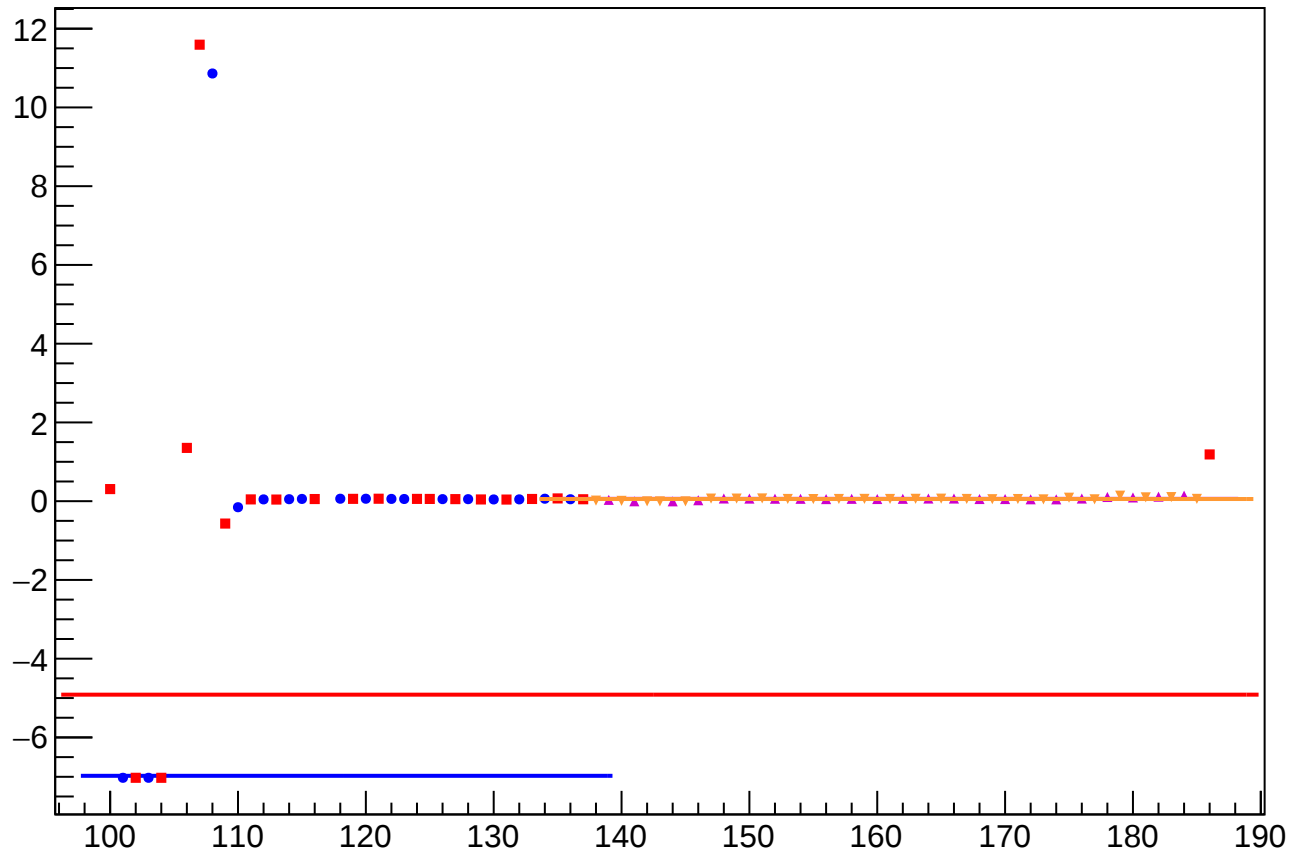
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:970801.8/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 5440624.2/41

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 11764180.0/84

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 6321759.0/42

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8797358006083.6/16

Left Out: 0.055 ± 0.000 χ^2/NDF : 243682351.4/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365352669559982.0/19

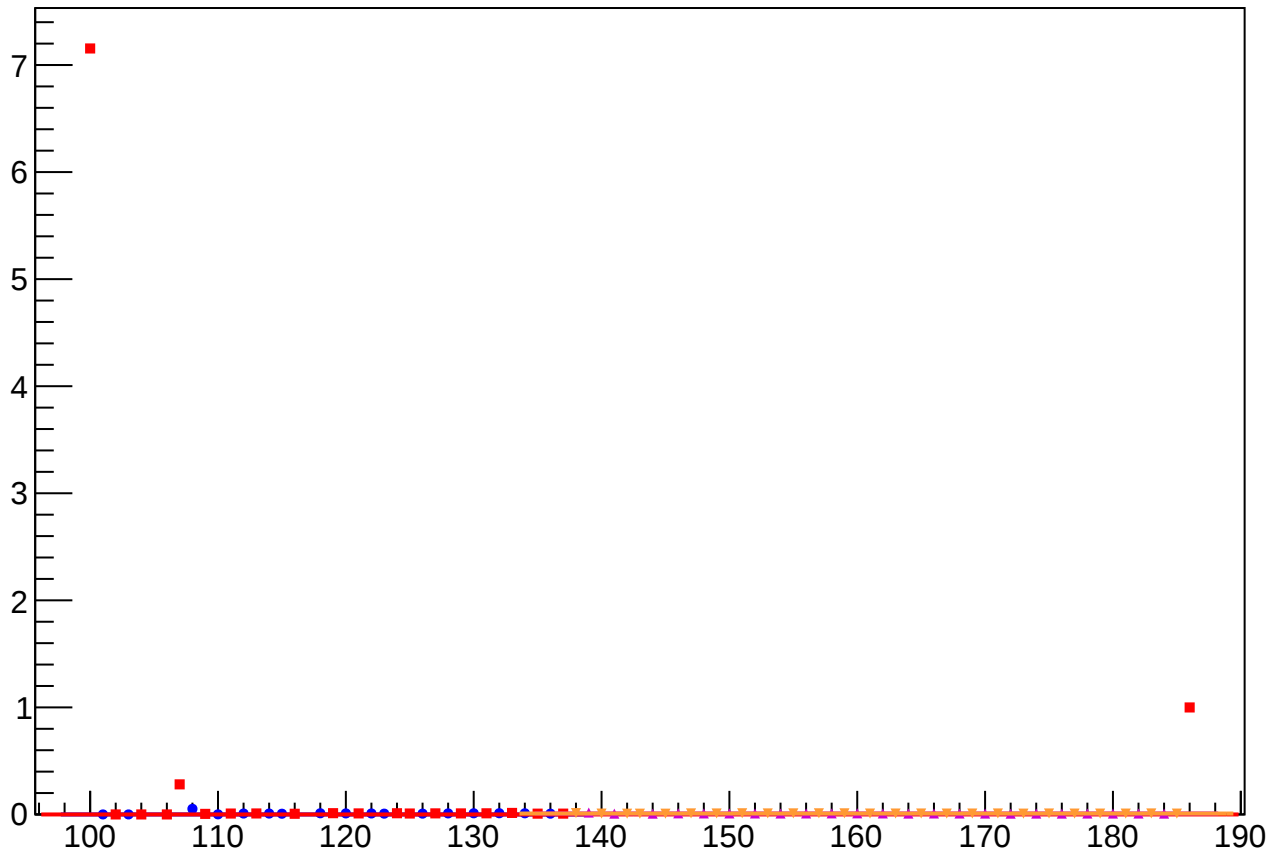
Left In: 0.059 ± 0.000 χ^2/NDF : 178541521.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18423673332017.1/16

All: -5.858 ± 0.000 χ^2/NDF : 4435285785521.0/16

- sign -4.882 ± 0.000 χ^2/NDF : 369731690836244.4/16

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 : 514432.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9482015.0/19

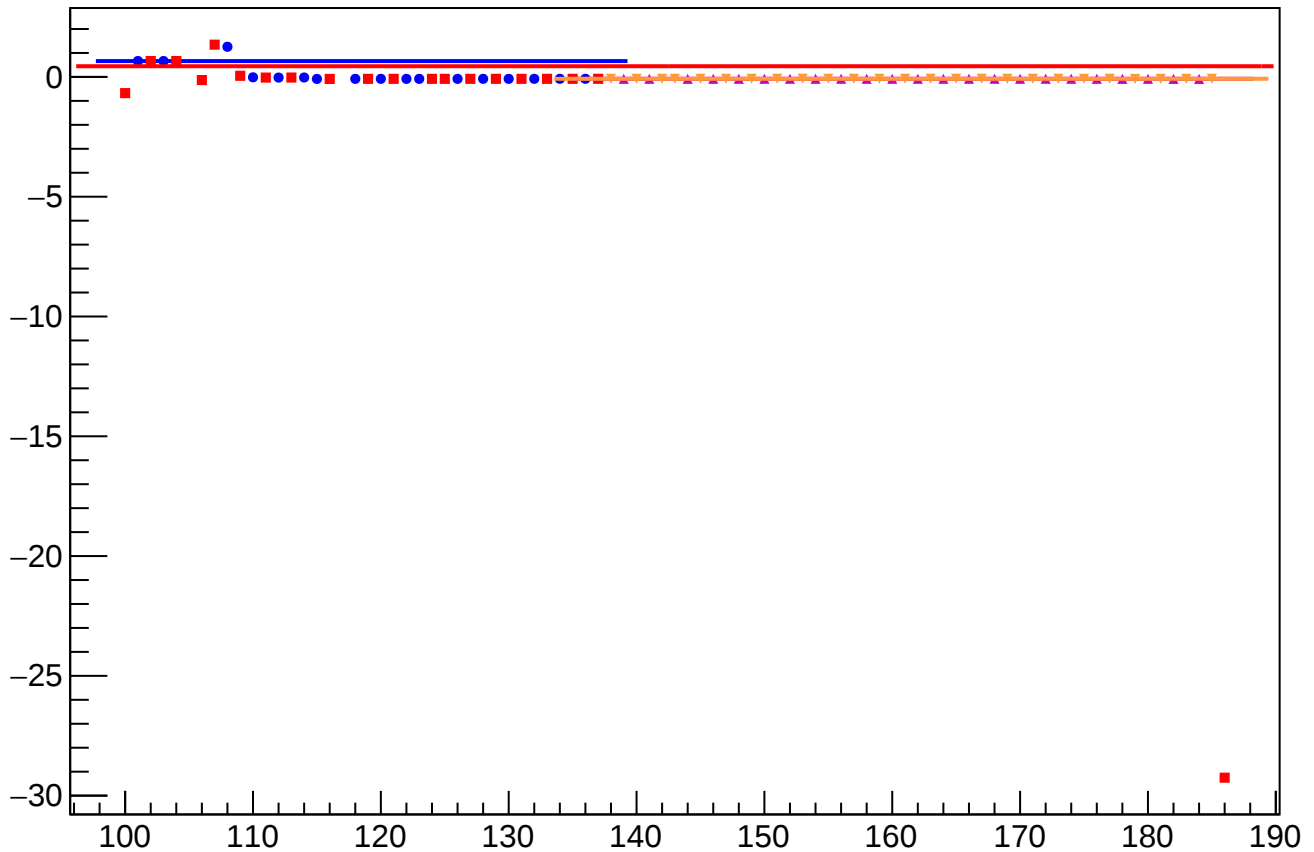
Left In: 0.009+/-0.000 χ^2/NDF : 602517.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 37253383.0/41

All: 0.000+/-0.000 χ^2/NDF : 74197105.5/84

- sign 0.000+/-0.000 χ^2/NDF : 36938908.9/42

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5658672217179.3/16

Left Out: -0.078 $\pm$ 0.000 χ^2 /NDF: 156404795.7/24

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405428459804597.9/19

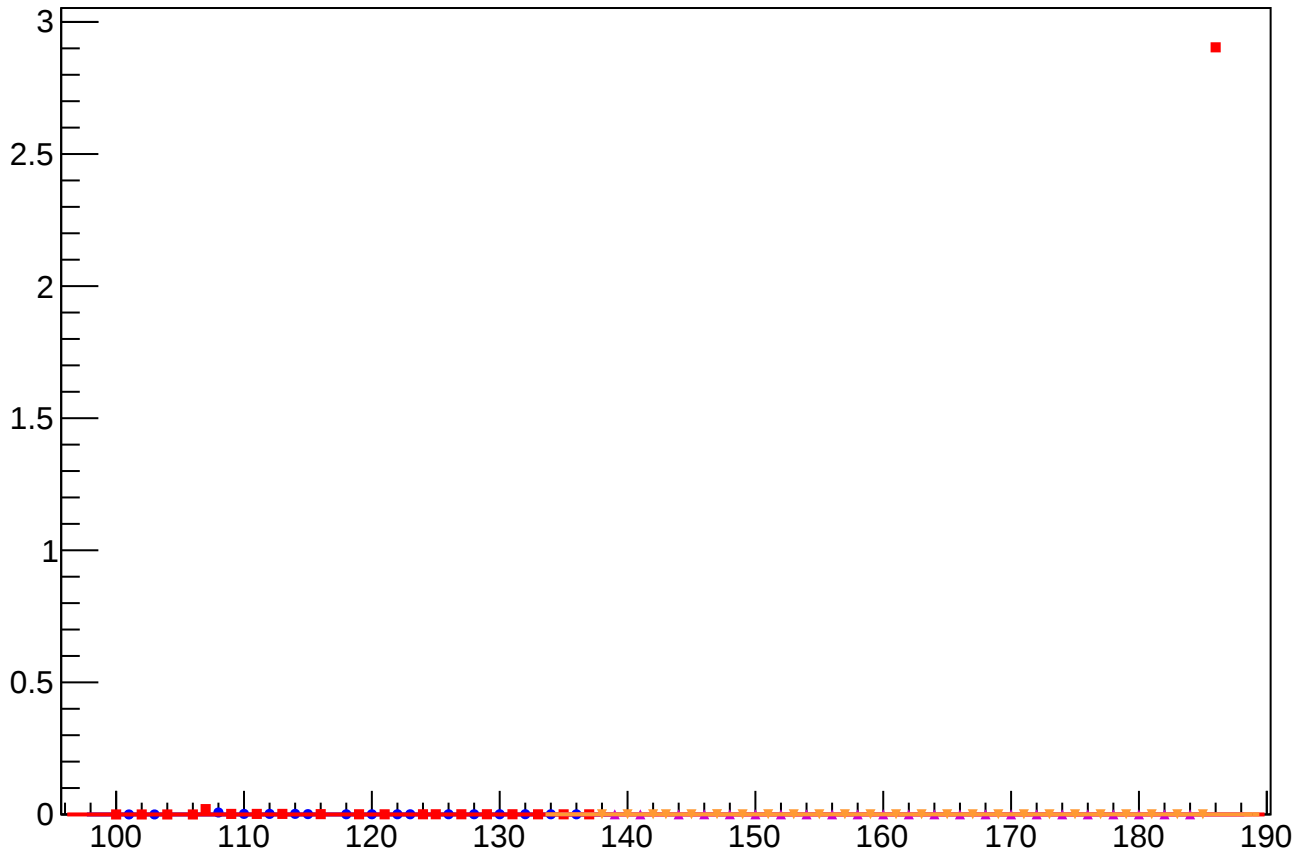
Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 110762924.1/22

+ sign 0.646 $\pm$ 0.000 χ^2 /NDF: 35757499977808.3/4

All: 0.537 $\pm$ 0.000 χ^2 /NDF: 51584490332147

- sign 0.437 $\pm$ 0.000 χ^2 /NDF: 419550518645132.1/

yield_cav4dY_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 9958320.7/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:465981.8/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 10172950.2/19

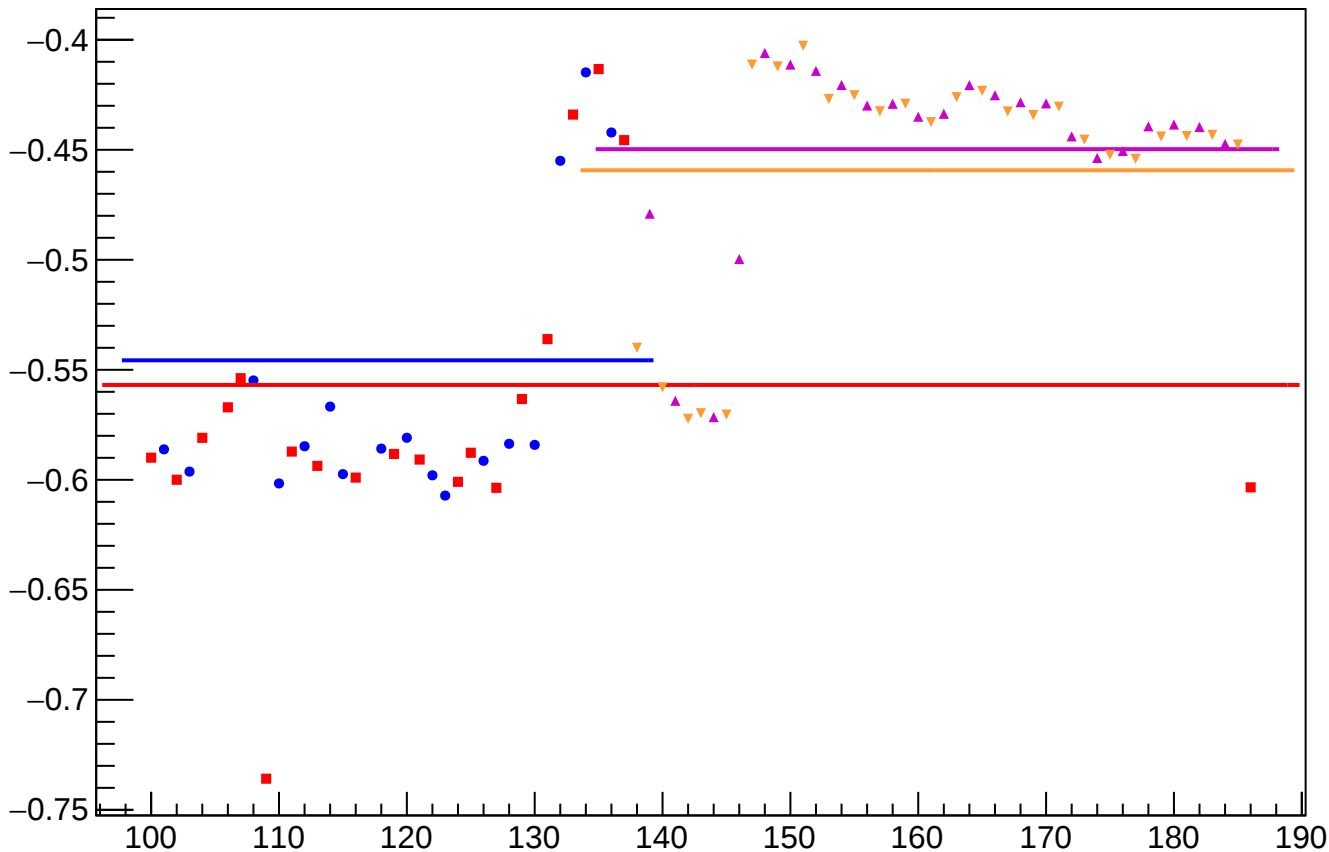
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:355509.7/22

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 42512507.7/41

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 83486771.0/84

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 40966434.4/42

yield_bpm4aX_mean vs Slug



Right In: -0.546+/-0.000 χ^2/NDF : 46331446.0/16

Left Out: -0.459+/-0.000 χ^2/NDF : 113602161.0/24

Right Out: -0.557+/-0.000 χ^2/NDF : 64480750.5/19

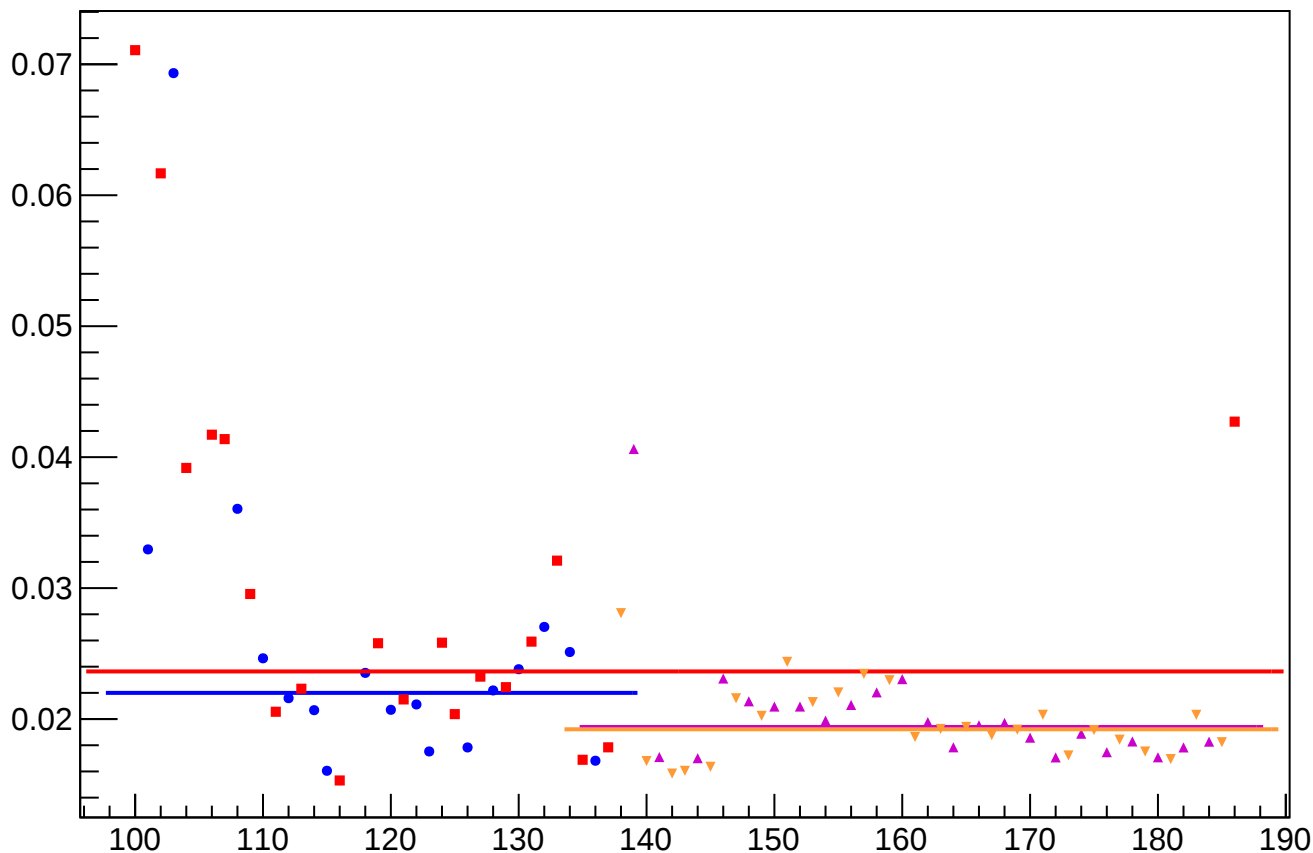
Left In: -0.450+/-0.000 χ^2/NDF : 76117957.8/22

+ sign -0.477+/-0.000 χ^2/NDF : 222197852.9/41

All: -0.475+/-0.000 χ^2/NDF : 453960424.5/84

- sign -0.473+/-0.000 χ^2/NDF : 231214012.3/42

yield_bpm4aX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 959677.4/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 501711.6/24

Right Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 1296968.3/19

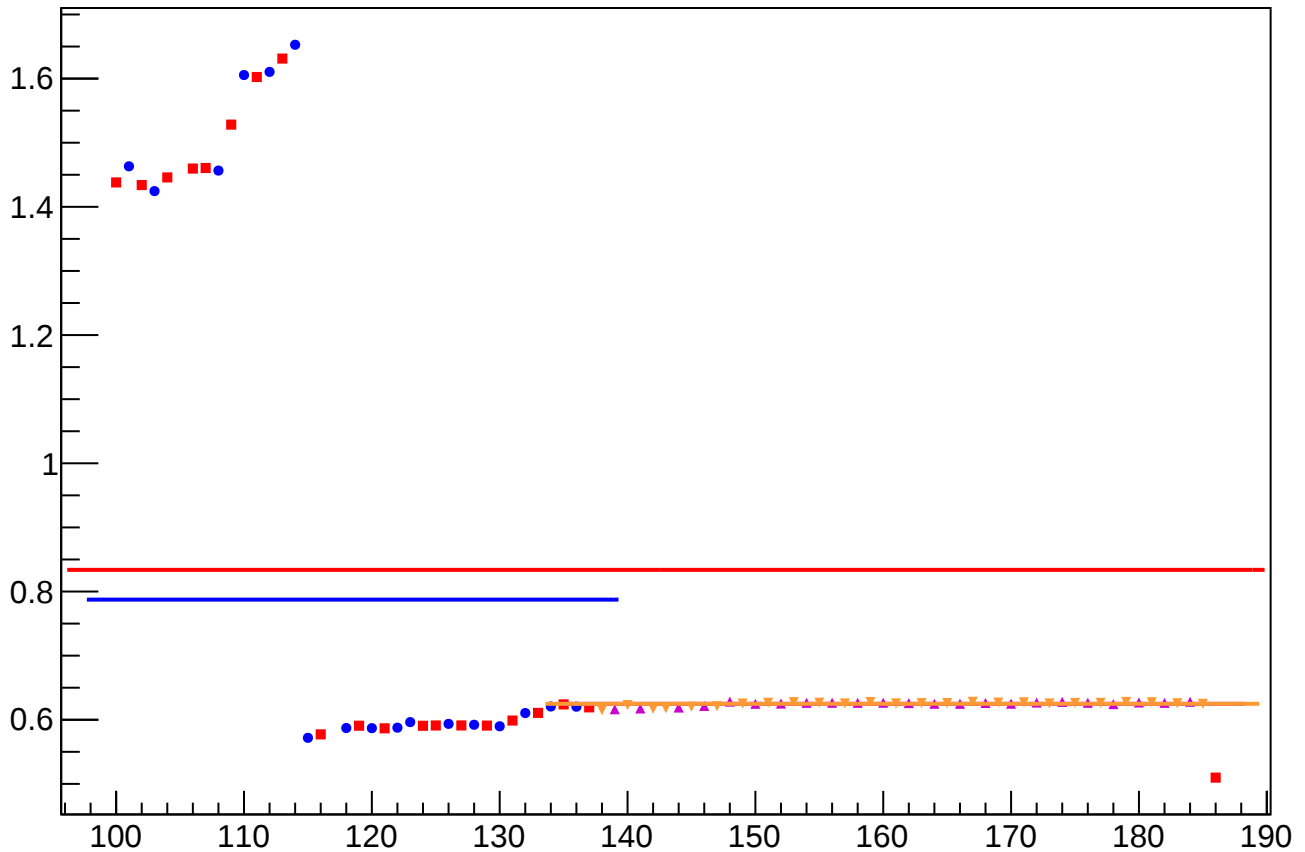
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 626443.5/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1590399.1/41

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3810011.3/84

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 2207429.4/42

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:1445169.1/24

Right Out: 0.834 $\pm$ 0.000 χ^2 /NDF: 4152142483.9/19

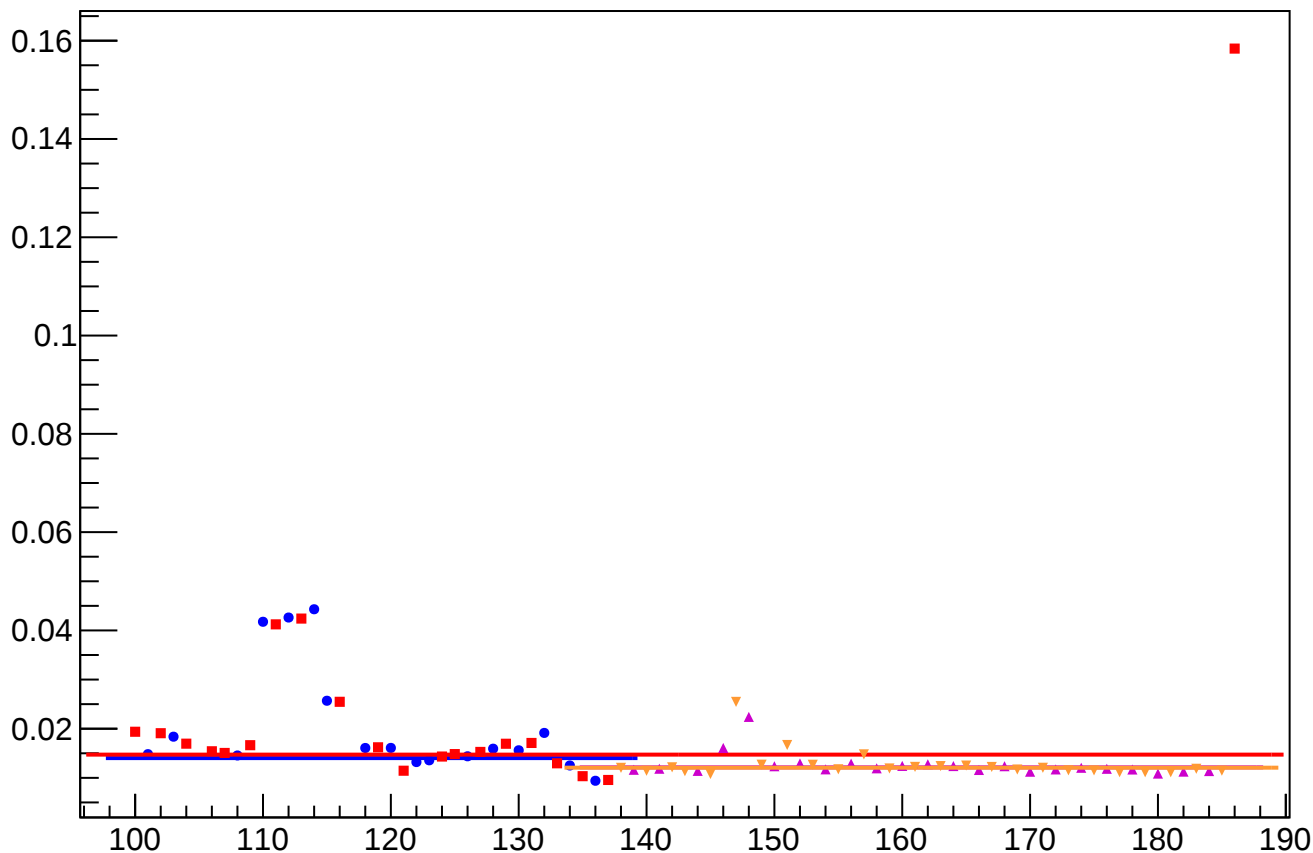
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1143954.1/22

+ sign 0.656 $\pm$ 0.000 χ^2 /NDF: 4196980663.4/41

All: 0.661 $\pm$ 0.000 χ^2 /NDF: 9335932661.7/84

- sign 0.666 $\pm$ 0.000 χ^2 /NDF: 5131682998.8/42

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: 657199.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1847994.5/19

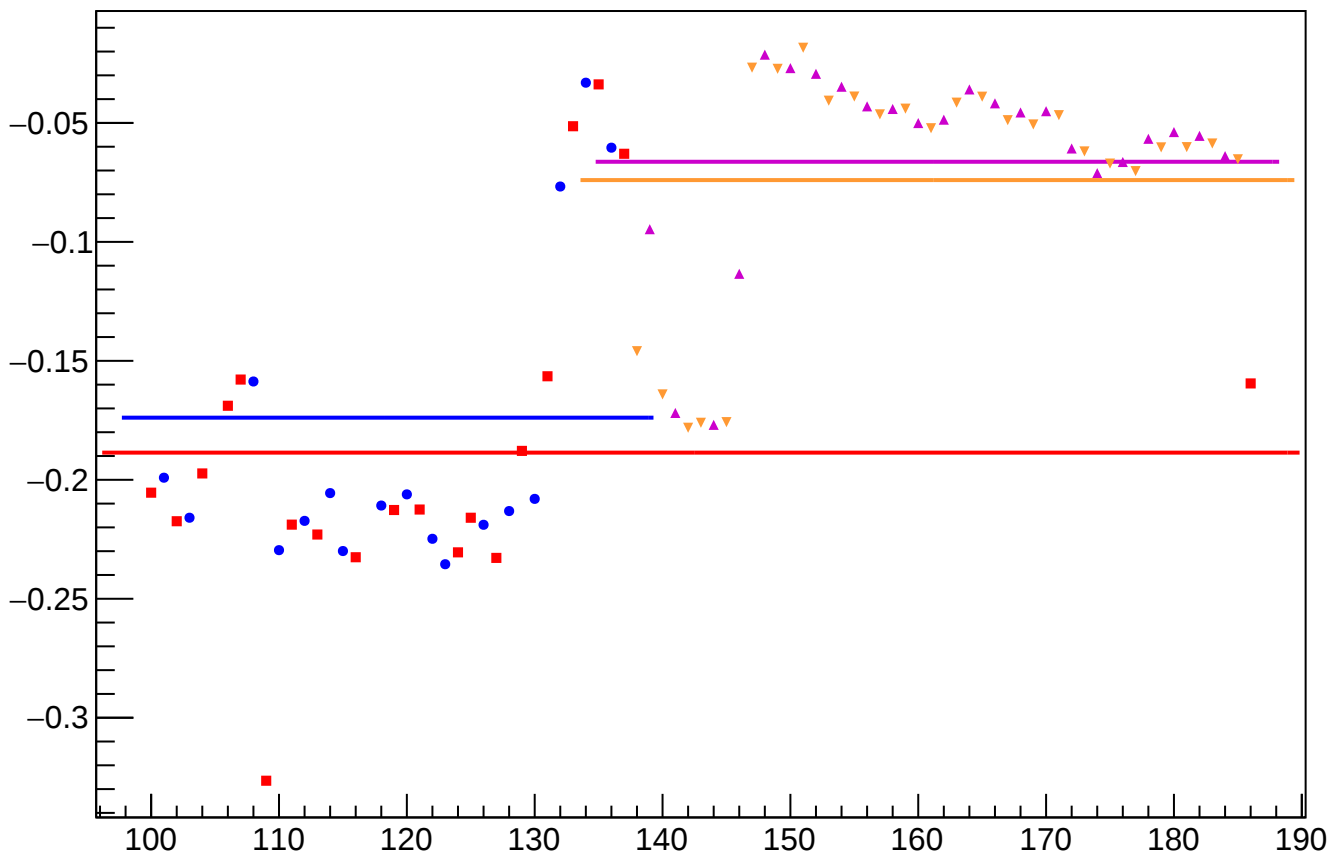
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 488363.6/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2233951.4/41

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4877160.0/84

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2637228.6/42

yield_bpm4eX_mean vs Slug



Right In: -0.174+/-0.000 χ^2/NDF : 66778428.3/16

Left Out: -0.074+/-0.000 χ^2/NDF : 107676601.9/24

Right Out: -0.189+/-0.000 χ^2/NDF : 82134551.8/19

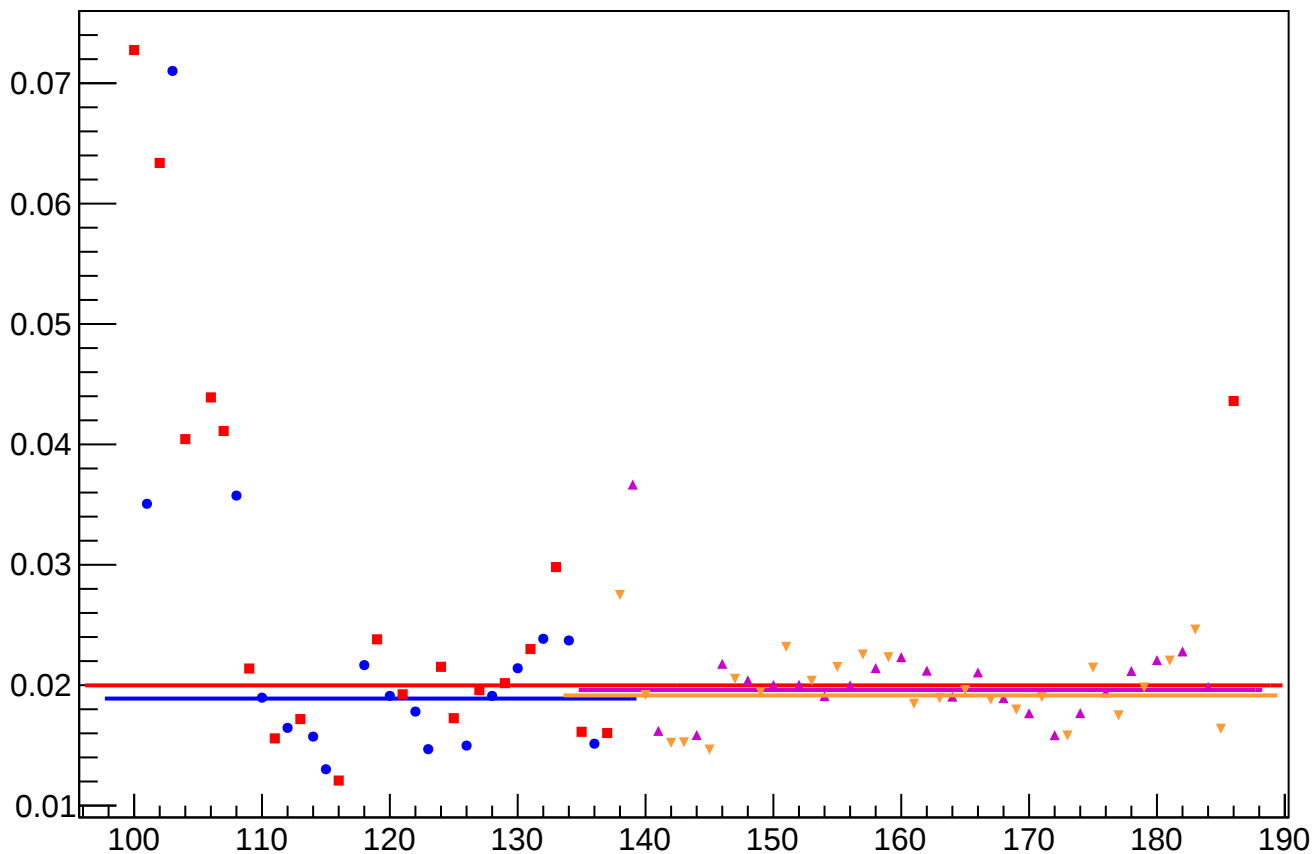
Left In: -0.066+/-0.000 χ^2/NDF : 76243051.8/22

+ sign -0.099+/-0.000 χ^2/NDF : 278660906.7/41

All: -0.099+/-0.000 χ^2/NDF : 585718312.5/84

- sign -0.099+/-0.000 χ^2/NDF : 307054673.7/42

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 : 641277.0/24

Right Out: 0.020+/-0.000 χ^2/NDF : 1663477.2/19

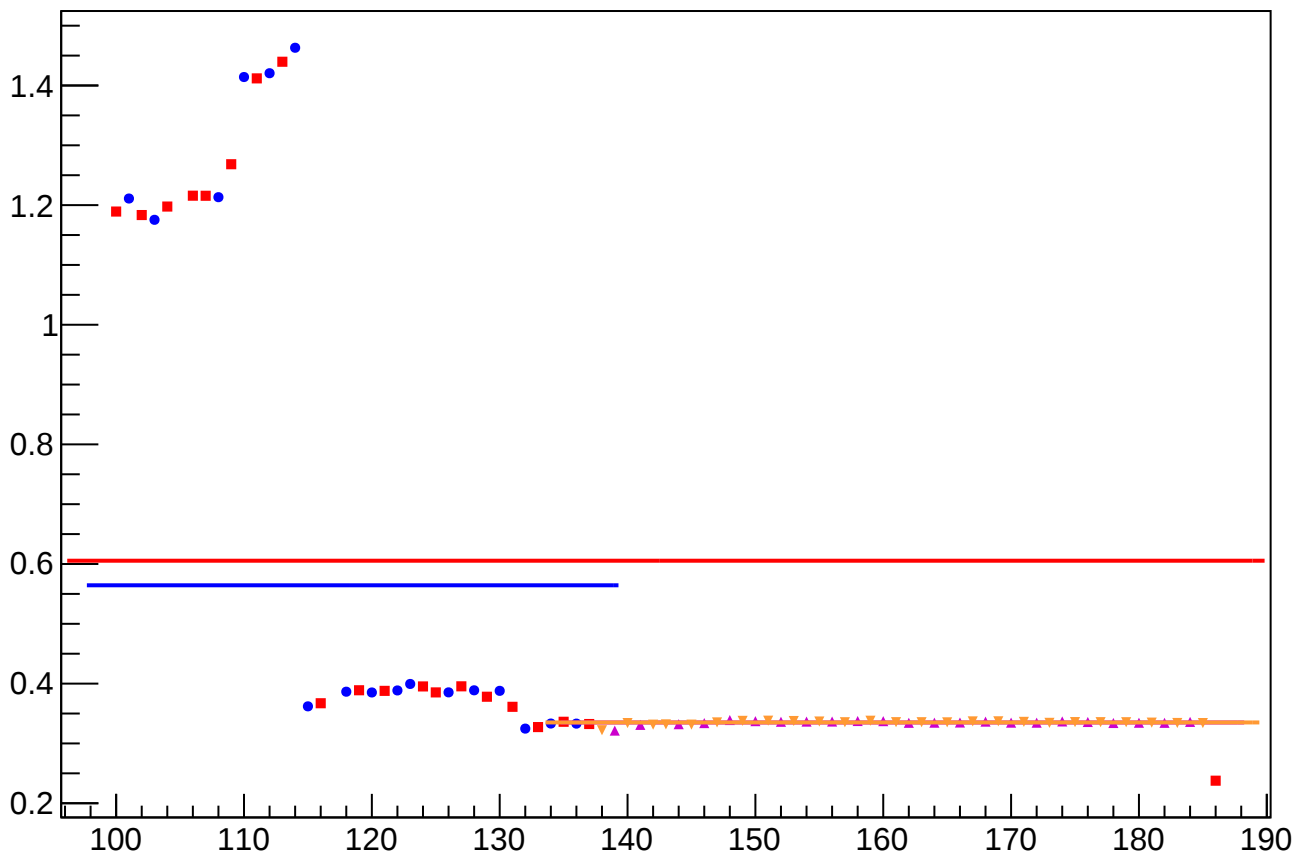
Left In: 0.020+/-0.000 χ^2/NDF : 623148.2/22

+ sign 0.019+/-0.000 χ^2/NDF : 1854525.0/41

All: 0.019+/-0.000 χ^2/NDF : 4164246.8/84

- sign 0.020+/-0.000 χ^2/NDF : 2289583.9/42

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:1154310.3/24

Right Out: 0.605 $\pm$ 0.000 χ^2 /NDF: 5533644928.7/19

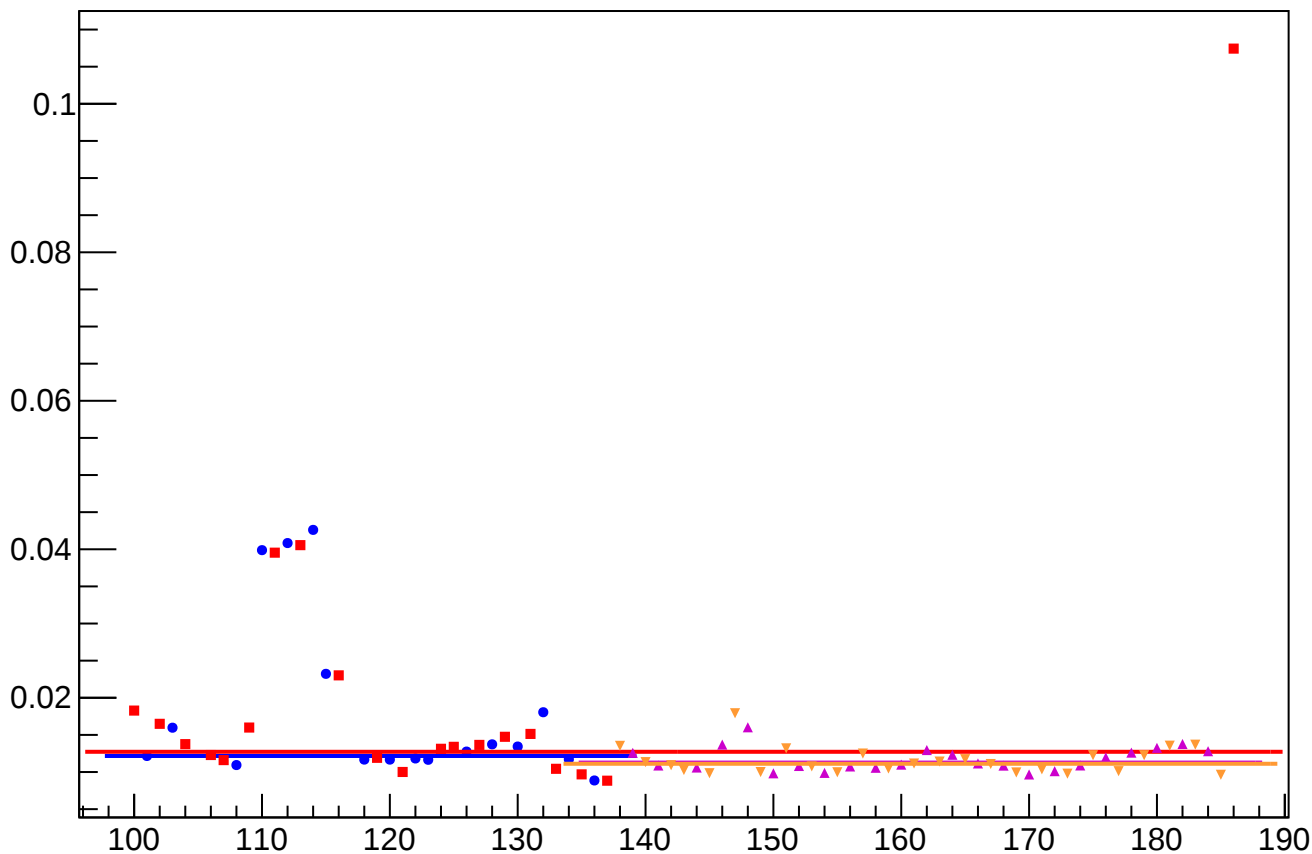
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1202194.8/22

+ sign 0.384 $\pm$ 0.000 χ^2 /NDF: 6623624901.3/41

All: 0.389 $\pm$ 0.000 χ^2 /NDF: 14263985320.5/8

- sign 0.395 $\pm$ 0.000 χ^2 /NDF: 7630201340.5/42

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: 607532.0/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1822789.0/19

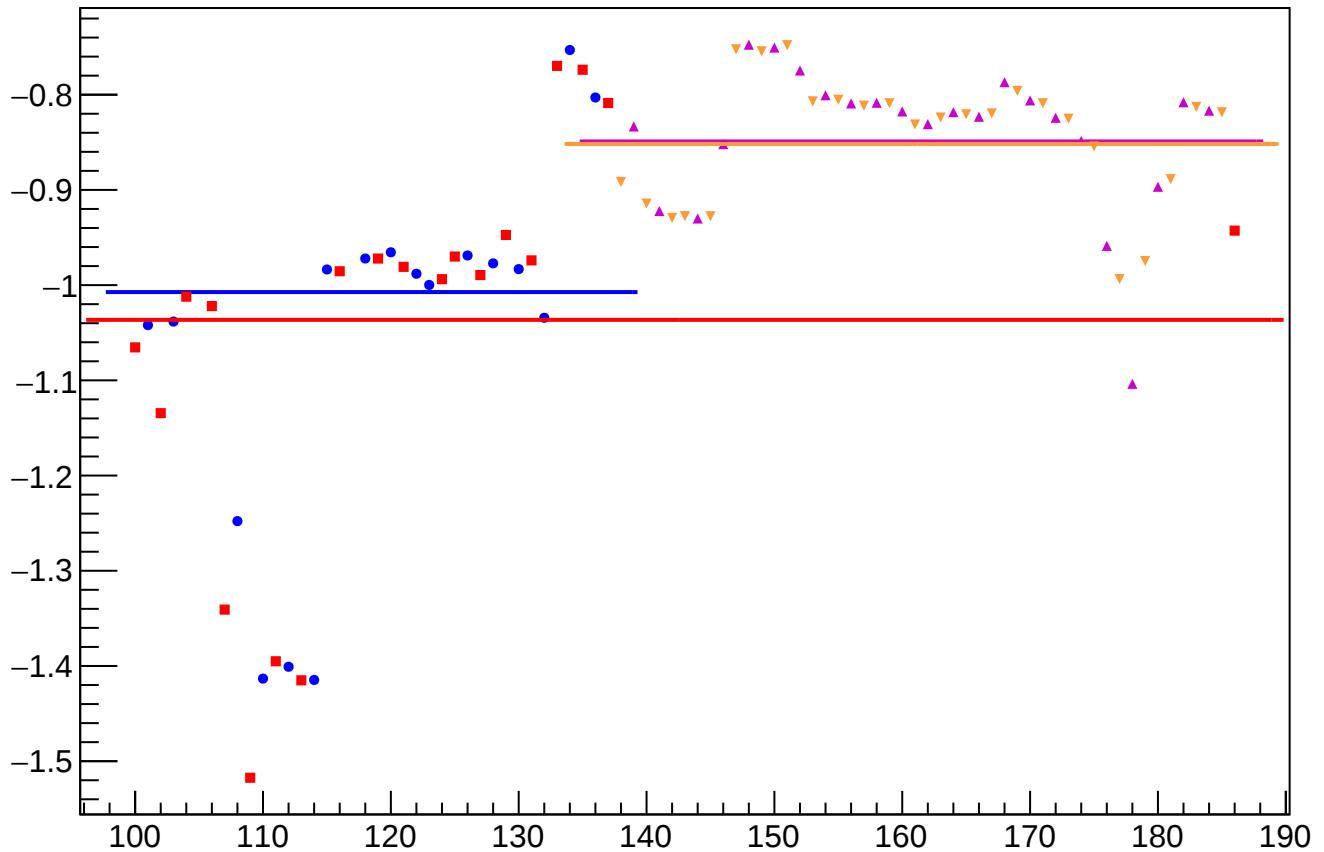
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 502455.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1977802.0/41

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 4435564.9/84

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2446254.3/42

yield_bpm4acX_mean vs Slug



Right In: -1.007 ± 0.000 χ^2/NDF : 393589325.7/16

Left Out: -0.852 ± 0.000 χ^2/NDF : 189103962.4/24

Right Out: -1.036 ± 0.000 χ^2/NDF : 537408917.6/19

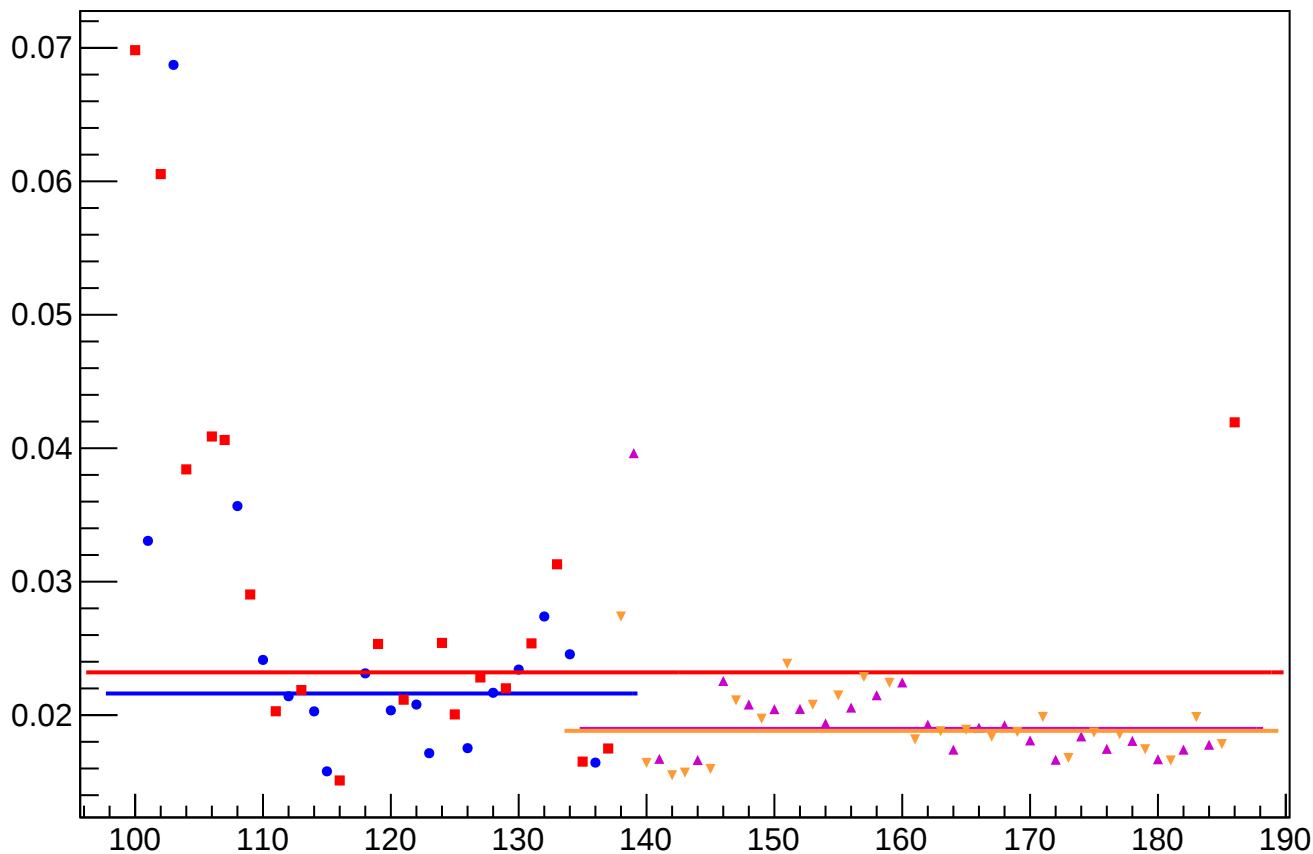
Left In: -0.849 ± 0.000 χ^2/NDF : 256391274.4/22

+ sign -0.884 ± 0.000 χ^2/NDF : 791718976.0/41

All: -0.886 ± 0.000 χ^2/NDF : 1873530989.4/8

- sign -0.889 ± 0.000 χ^2/NDF : 1081233196.8/42

yield_bpm4acX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 984588.1/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 490509.4/24

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1293192.5/19

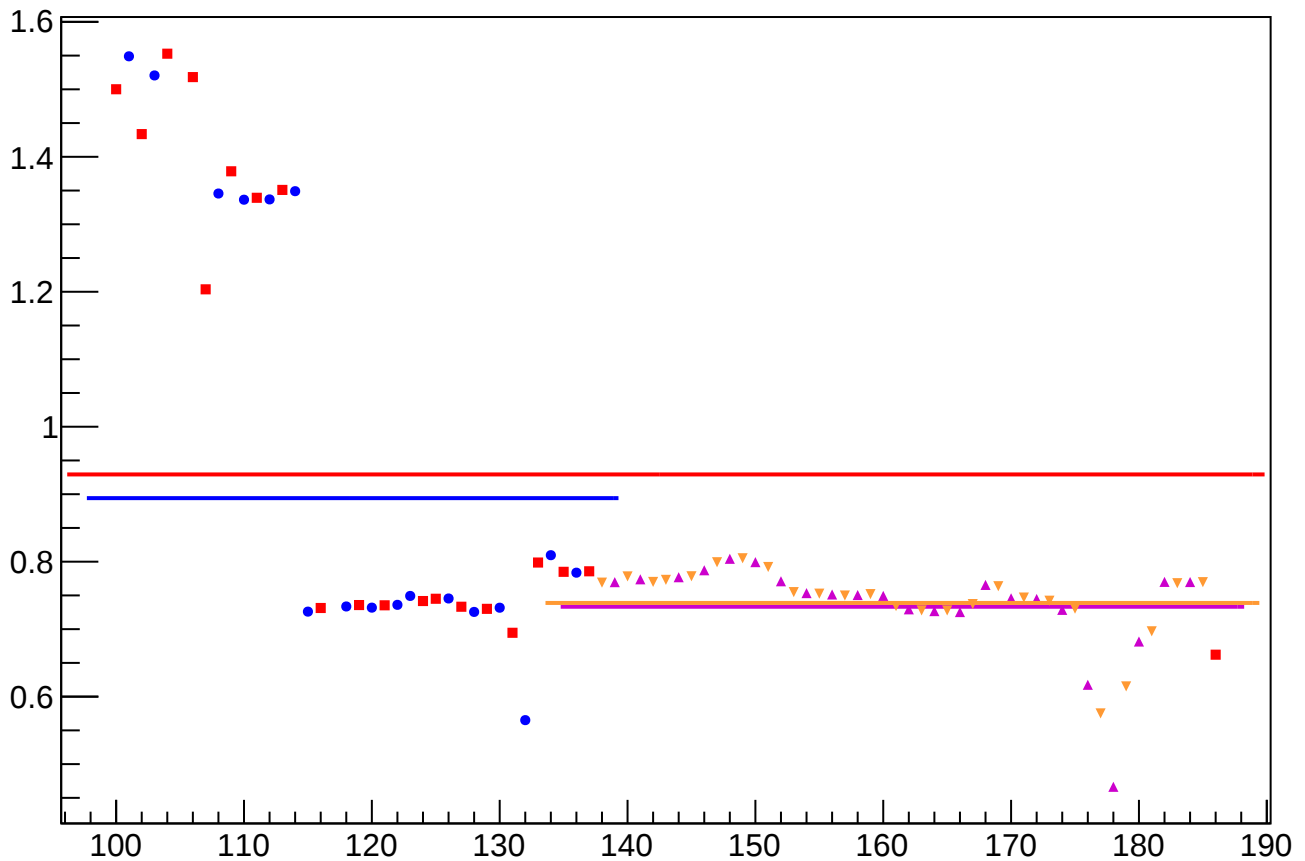
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 615173.8/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1610410.2/41

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 3823616.4/84

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 2202408.8/42

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 : 333013236.5/24

+ sign 0.768+/-0.000 χ^2/NDF : 3274604657.6/41

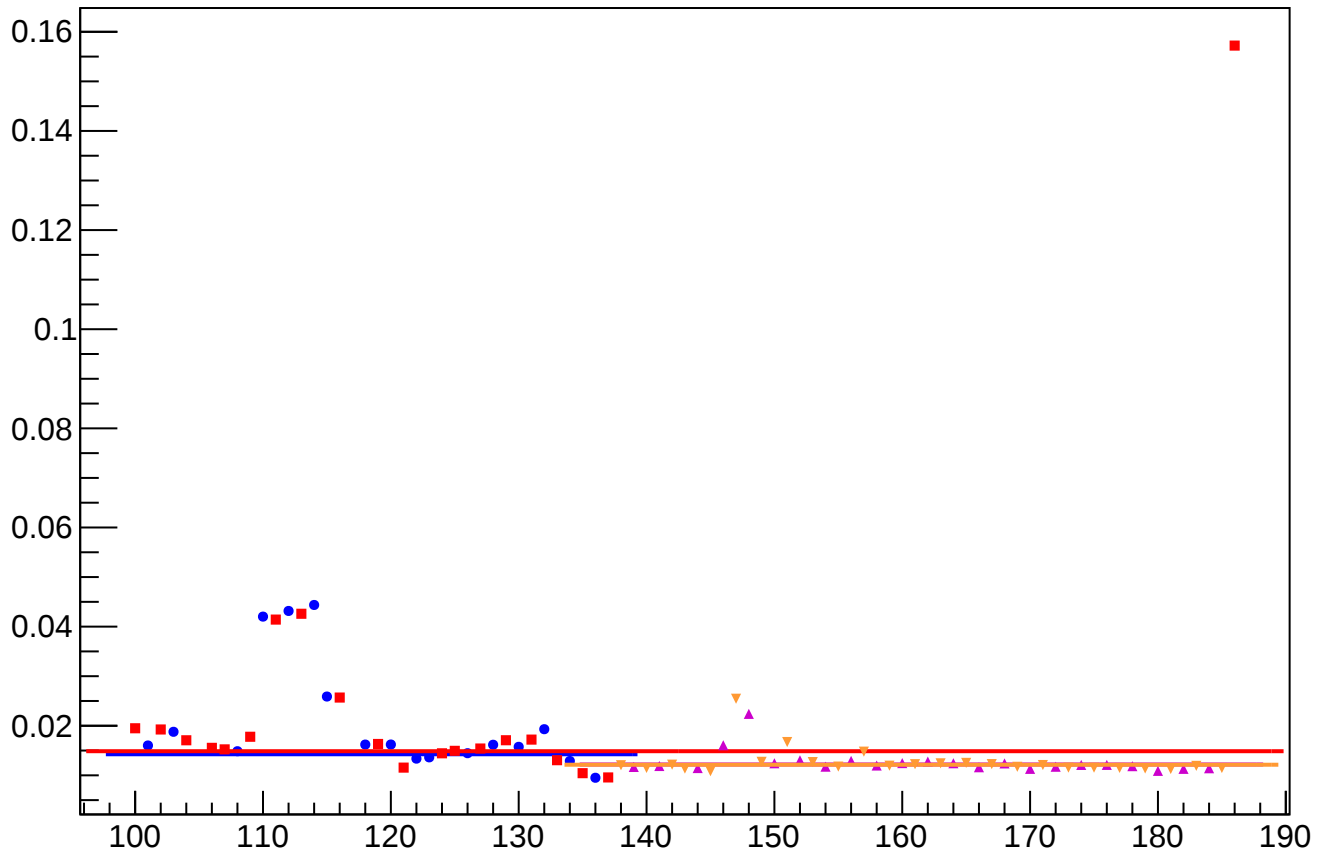
Right Out: 0.929+/-0.000 χ^2/NDF : 2423051847.2/19

All: 0.770+/-0.000 χ^2/NDF : 7111930580.1/84

- sign 0.772+/-0.000 χ^2/NDF : 3836461773.4/42

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:637986.2/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1855724.0/19

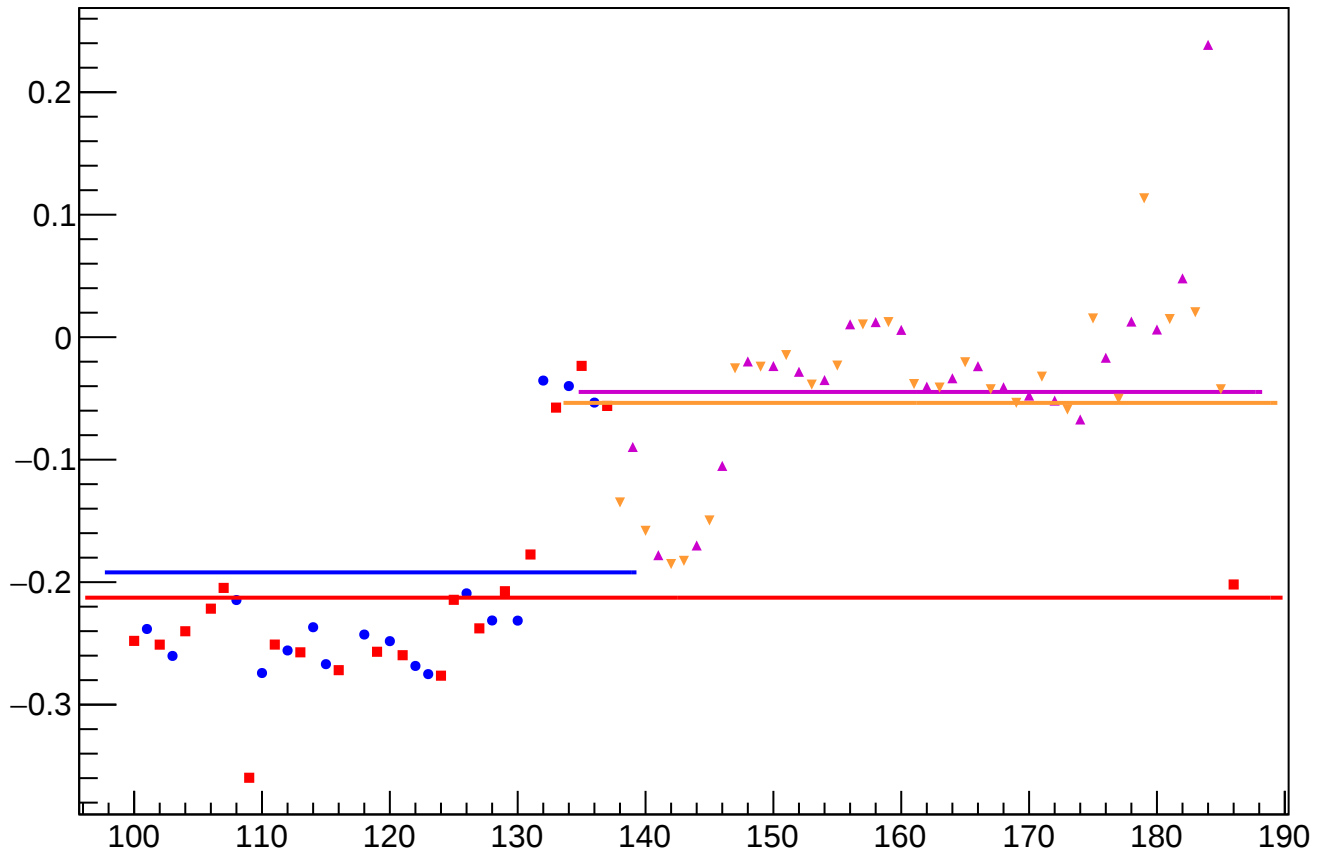
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:481830.1/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2248706.2/41

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4905287.9/84

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2652073.5/42

yield_bpm4ecX_mean vs Slug



Right In: -0.192 ± 0.000 χ^2/NDF : 106200458.9/16

Left Out: -0.054 ± 0.000 χ^2/NDF : 167834173.6/24

Right Out: -0.213 ± 0.000 χ^2/NDF : 110543823.5/19

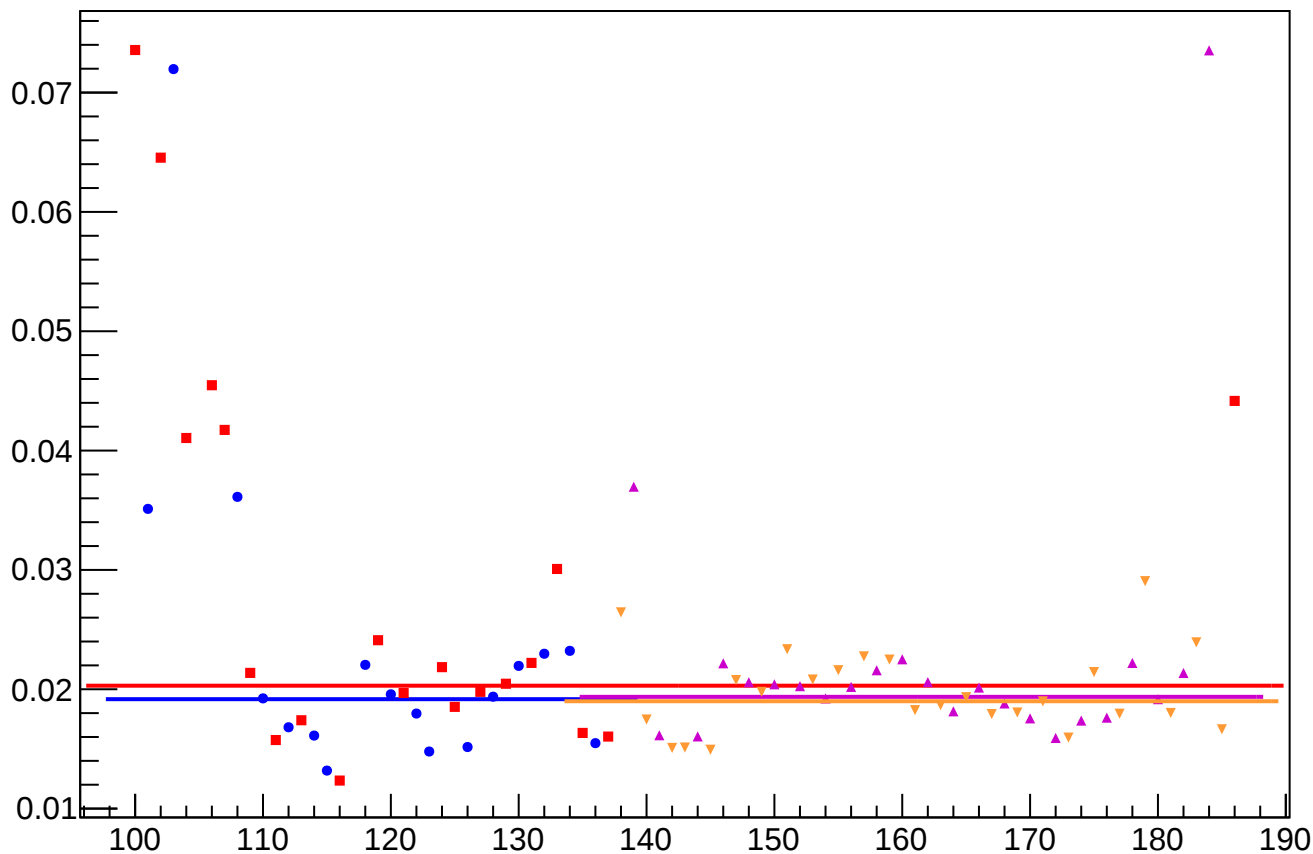
Left In: -0.045 ± 0.000 χ^2/NDF : 127192425.2/22

+ sign -0.088 ± 0.000 χ^2/NDF : 469210098.3/41

All: -0.089 ± 0.000 χ^2/NDF : 980515194.7/84

- sign -0.089 ± 0.000 χ^2/NDF : 511302434.8/42

yield_bpm4ecX_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1182752.8/16

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 700229.7/24

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1653440.4/19

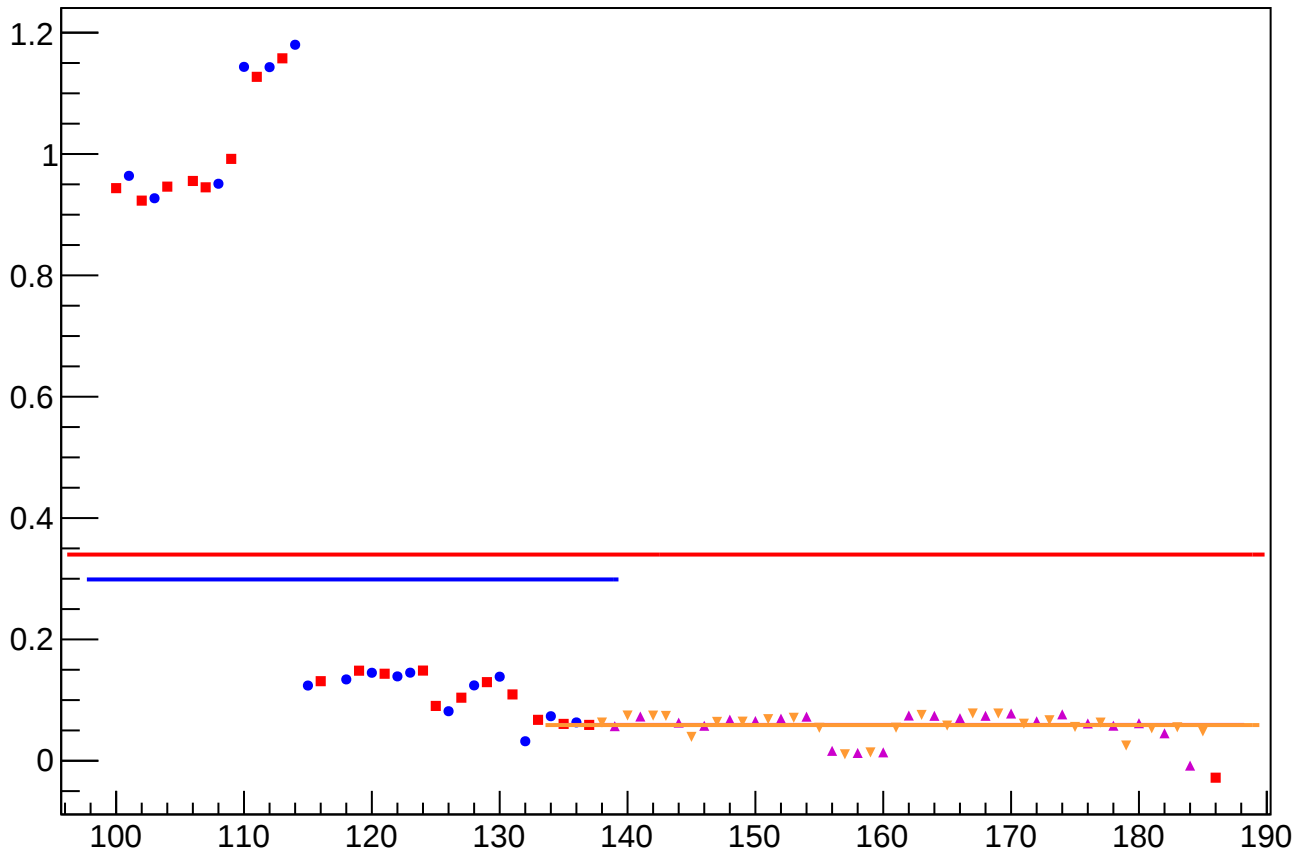
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 858216.8/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1883589.4/41

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 4429094.2/84

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 2528572.1/42

yield_bpm4ecY_mean vs Slug



Right In: 0.299+/-0.000 χ^2/NDF : 5180137730.5/16

Left Out: 0.059+/-0.000 χ^2/NDF : 46821236.8/24

+ sign 0.110+/-0.000 χ^2/NDF : 6985921087.4/41

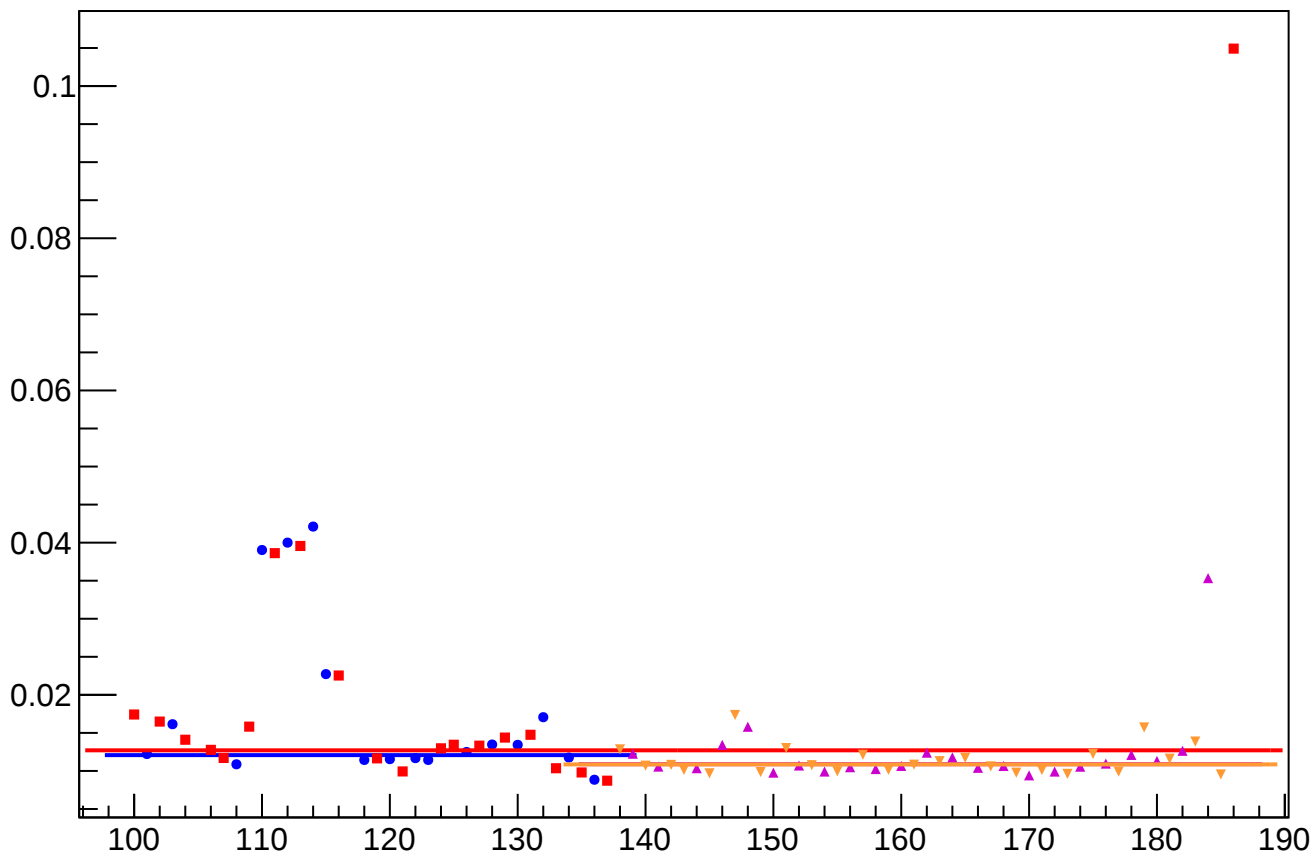
Right Out: 0.340+/-0.000 χ^2/NDF : 5477919892.5/19

All: 0.114+/-0.000 χ^2/NDF : 14815443503.4/8

Left In: 0.059+/-0.000 χ^2/NDF : 58518655.0/22

- sign 0.119+/-0.000 χ^2/NDF : 7821960240.3/42

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: 604787.9/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1786468.3/19

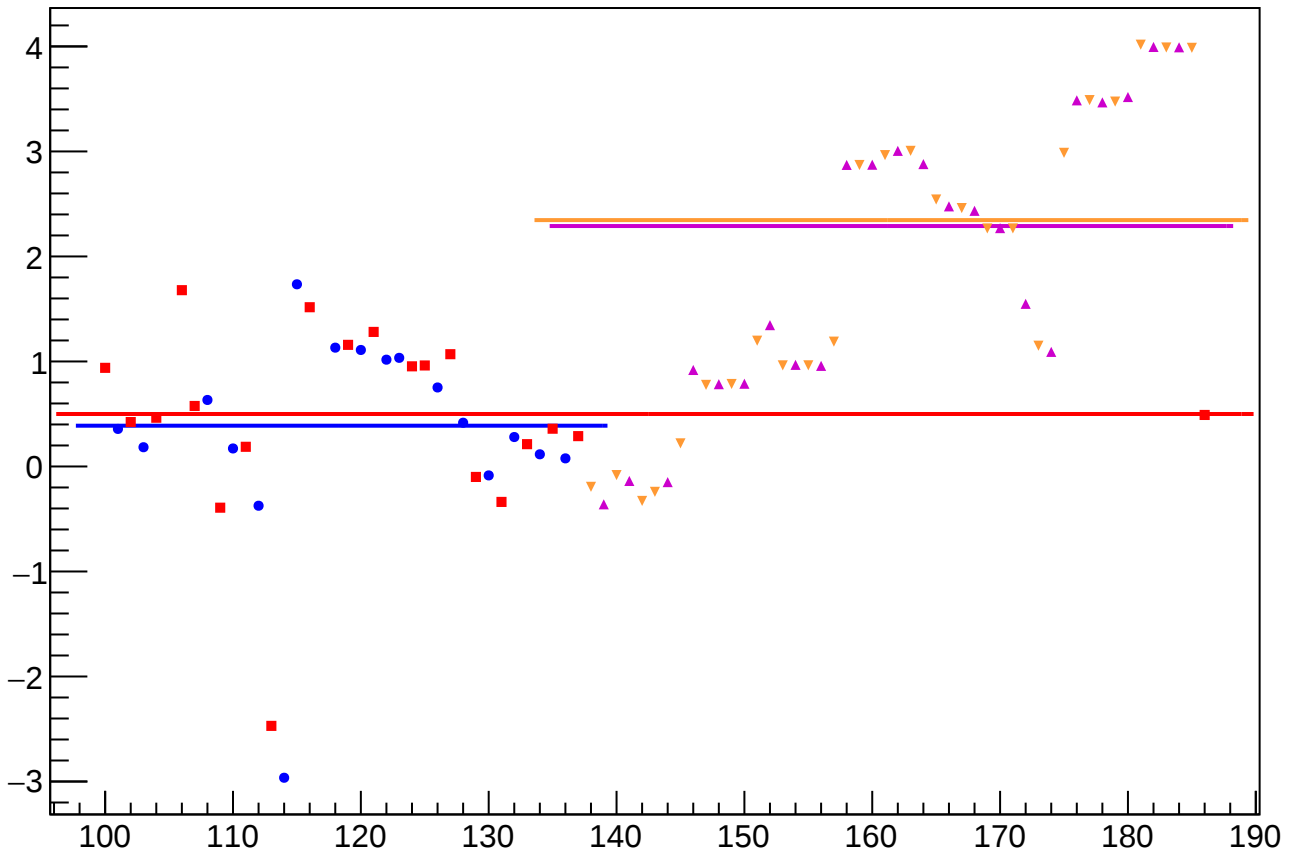
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 530077.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1972081.6/41

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 4485088.5/84

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2508446.1/42

yield_bpm1X_mean vs Slug



Right In: 0.388 $\pm$ 0.000 χ^2 /NDF: 245257258.4/16

Left Out: 2.346 $\pm$ 0.000 χ^2 /NDF: 63481331015.4/24

Right Out: 0.500 $\pm$ 0.000 χ^2 /NDF: 983060385.2/19

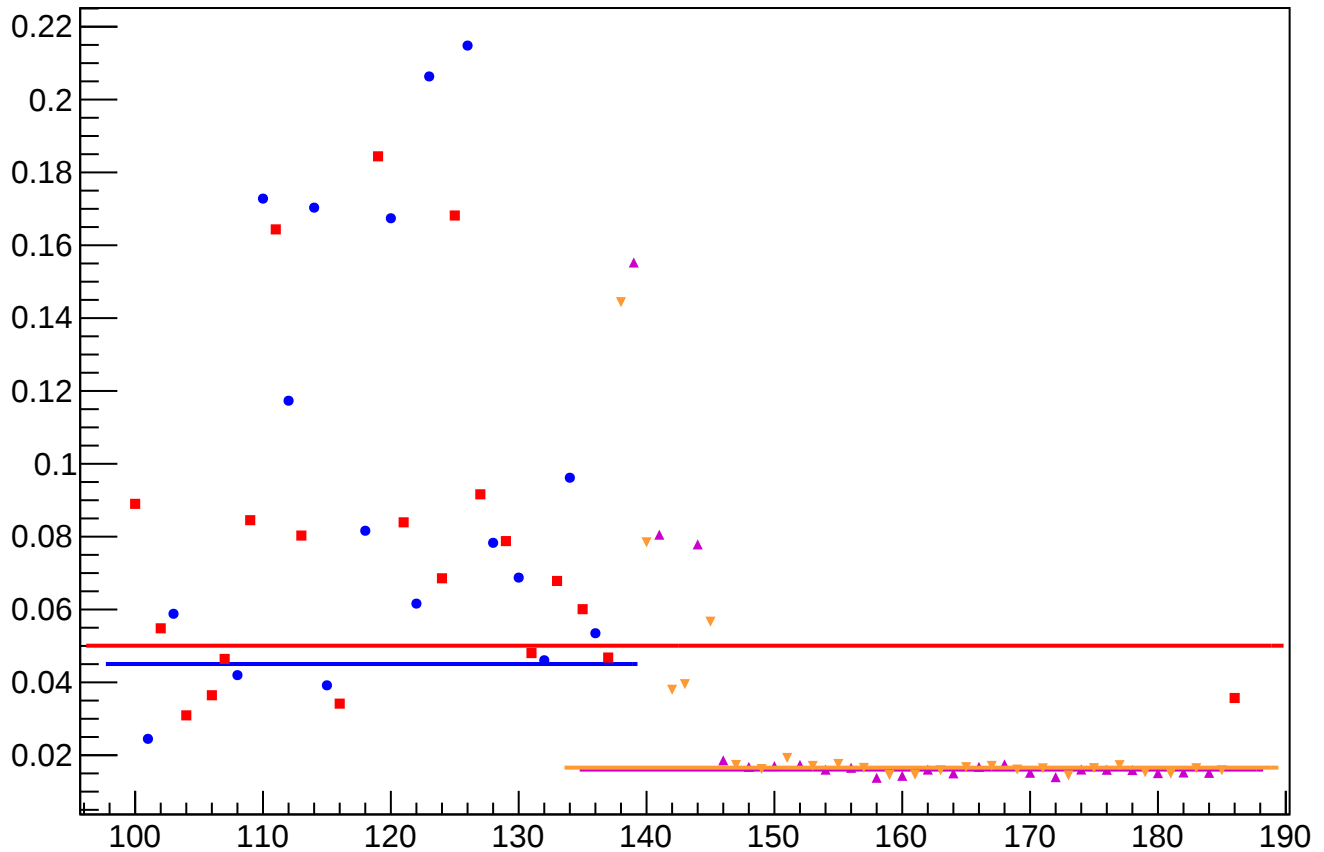
Left In: 2.290 $\pm$ 0.000 χ^2 /NDF: 60875537647.3/22

+ sign 2.281 $\pm$ 0.000 χ^2 /NDF: 70202799716.6/41

All: 2.256 $\pm$ 0.000 χ^2 /NDF: 137550745479.3

- sign 2.231 $\pm$ 0.000 χ^2 /NDF: 67281691130.5/42

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 :2621162.1/24

Right Out: 0.050+/-0.000 χ^2/NDF : 2303294.8/19

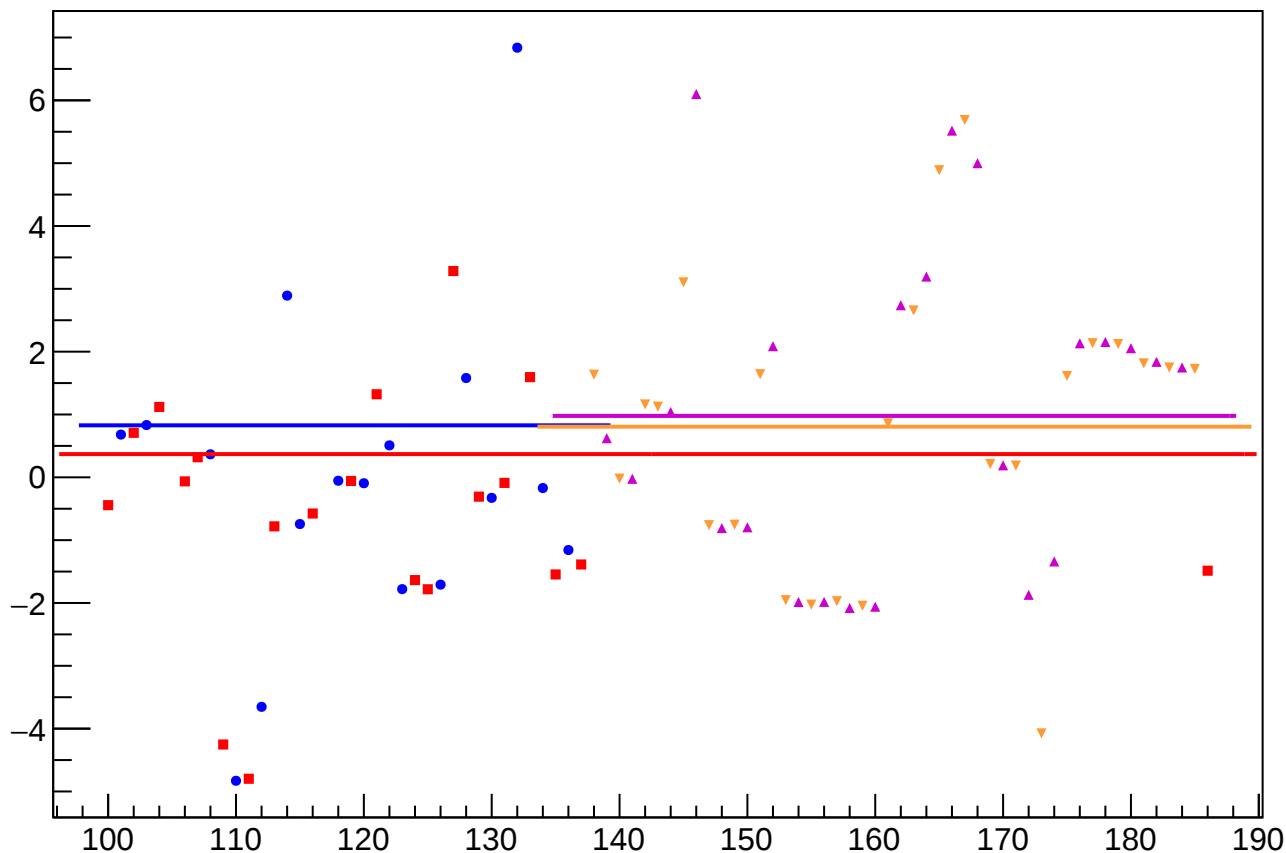
Left In: 0.016+/-0.000 χ^2/NDF :2394376.5/22

+ sign 0.018+/-0.000 χ^2/NDF : 8187026.0/41

All: 0.017+/-0.000 χ^2/NDF : 16809921.4/84

- sign 0.017+/-0.000 χ^2/NDF : 8615580.7/42

yield_bpm1Y_mean vs Slug



Right In: 0.828 ± 0.000 χ^2/NDF : 10934615588.5/16

Left Out: 0.806 ± 0.000 χ^2/NDF : 507578952196.2/24

Right Out: 0.369 ± 0.000 χ^2/NDF : 4993173320.4/19

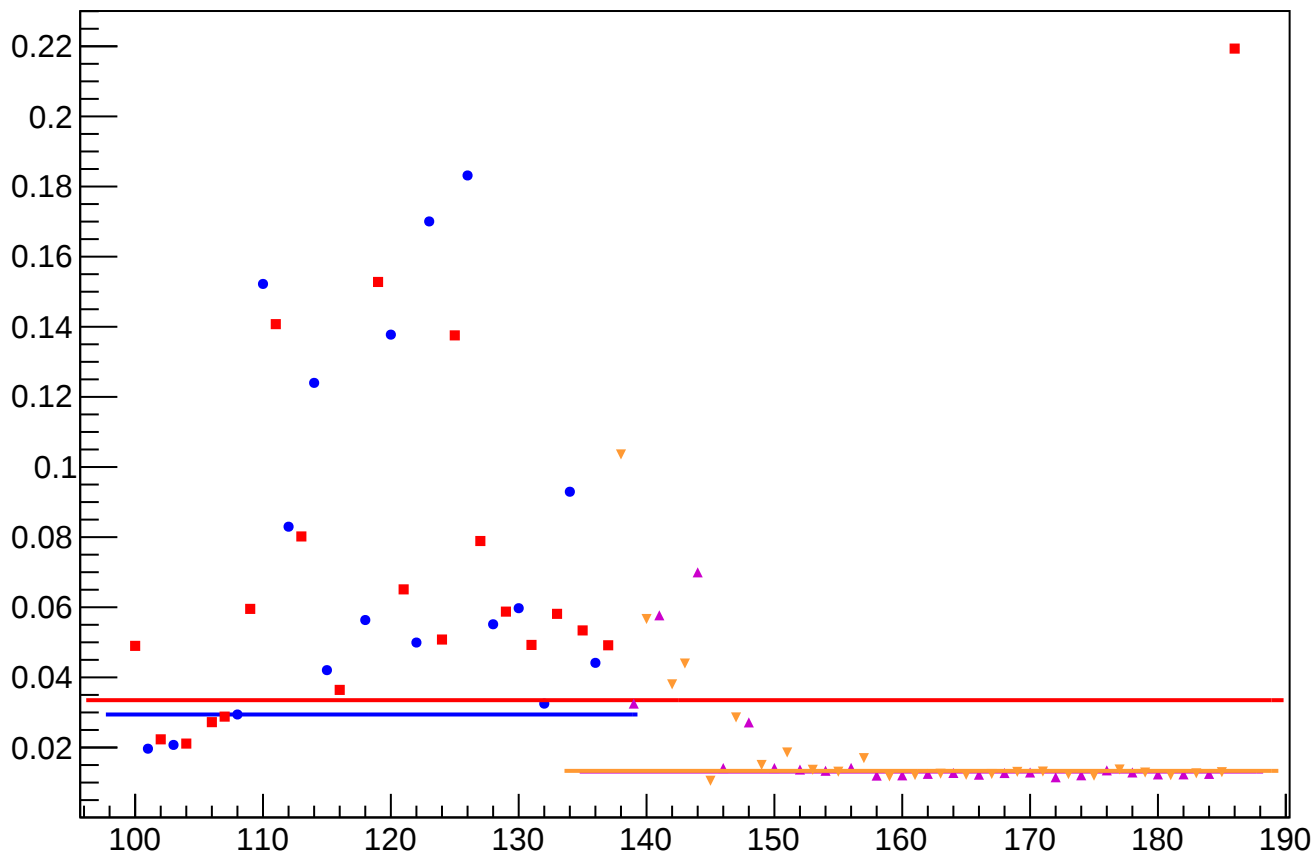
Left In: 0.977 ± 0.000 χ^2/NDF : 568209676597.4/22

+ sign 0.807 ± 0.000 χ^2/NDF : 518515319324.5/41

All: 0.880 ± 0.000 χ^2/NDF : 1093912668568.

- sign 0.953 ± 0.000 χ^2/NDF : 574447312098.8/42

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:2829753.9/24

Right Out: 0.033 $\pm$ 0.000 χ^2 /NDF: 3582495.9/19

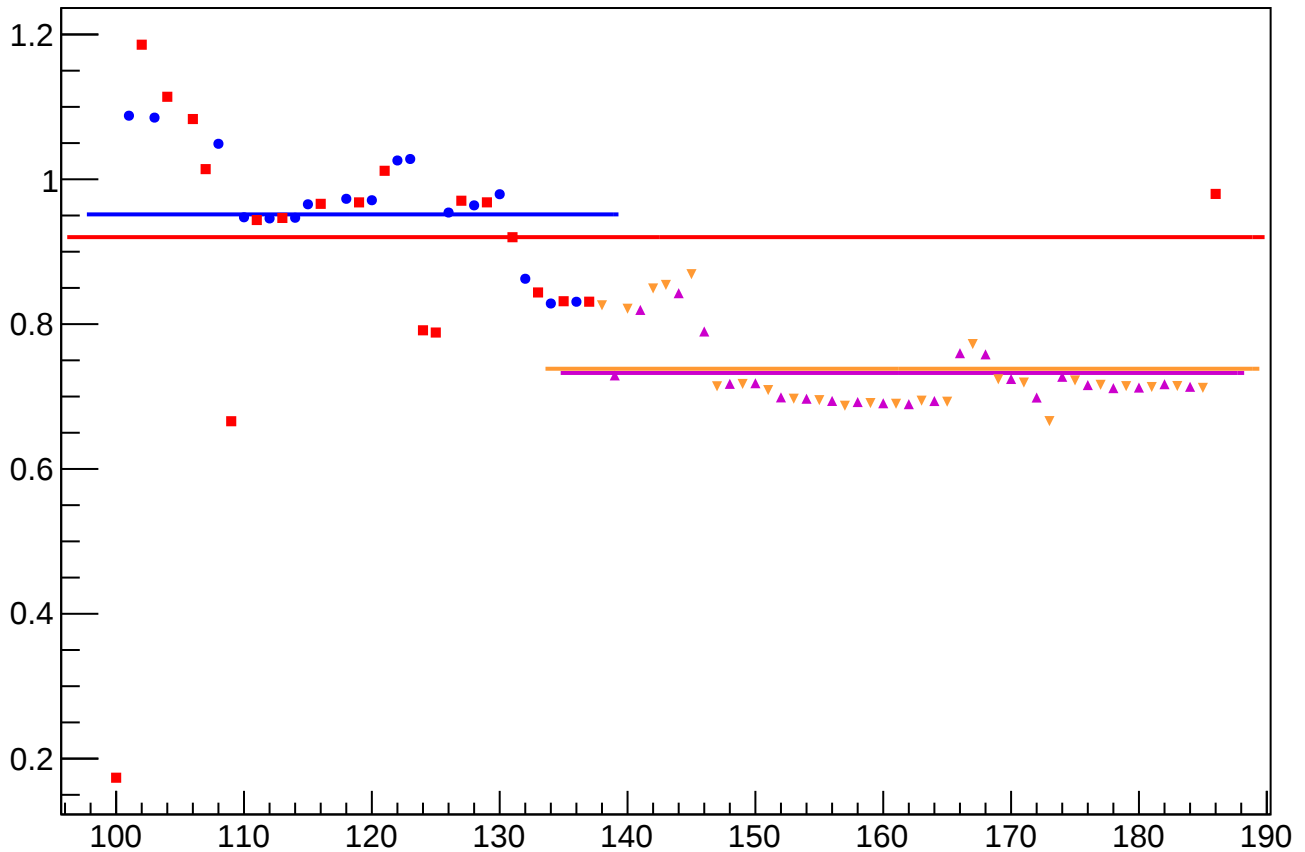
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:1946693.6/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 7807386.8/41

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 16128444.6/84

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 8320018.2/42

yield_bpm11X_mean vs Slug



Right In: 0.952 $\pm$ 0.000 χ^2 /NDF: 173959453.0/16

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF:310195180.4/24

+ sign 0.794 $\pm$ 0.000 χ^2 /NDF: 1516005530.9/41

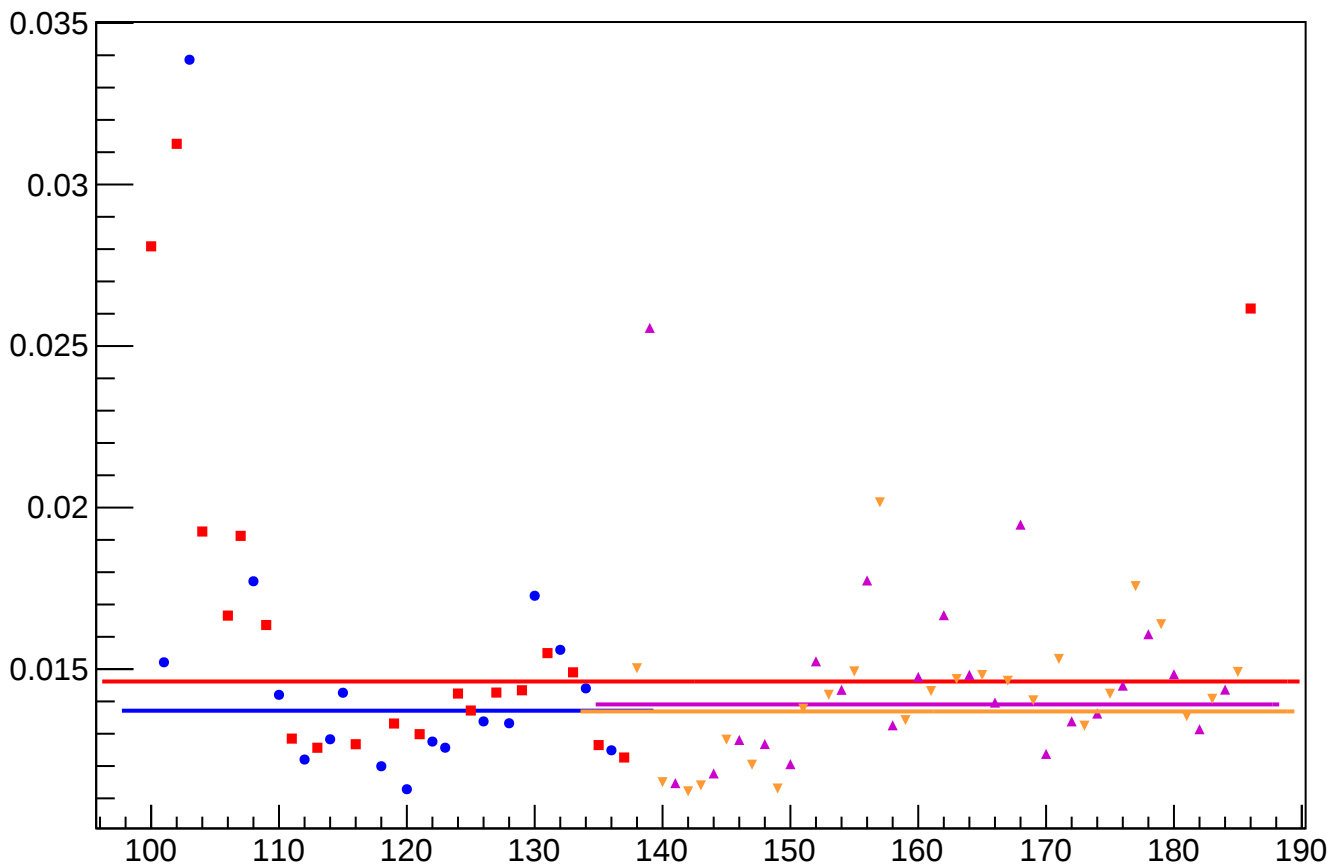
Right Out: 0.920 $\pm$ 0.000 χ^2 /NDF: 376661476.1/19

All: 0.789 $\pm$ 0.000 χ^2 /NDF: 2832406482.4/84

- sign 0.783 $\pm$ 0.000 χ^2 /NDF: 1309574227.3/42

Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:170102394.7/22

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: 528480.6/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 647698.4/19

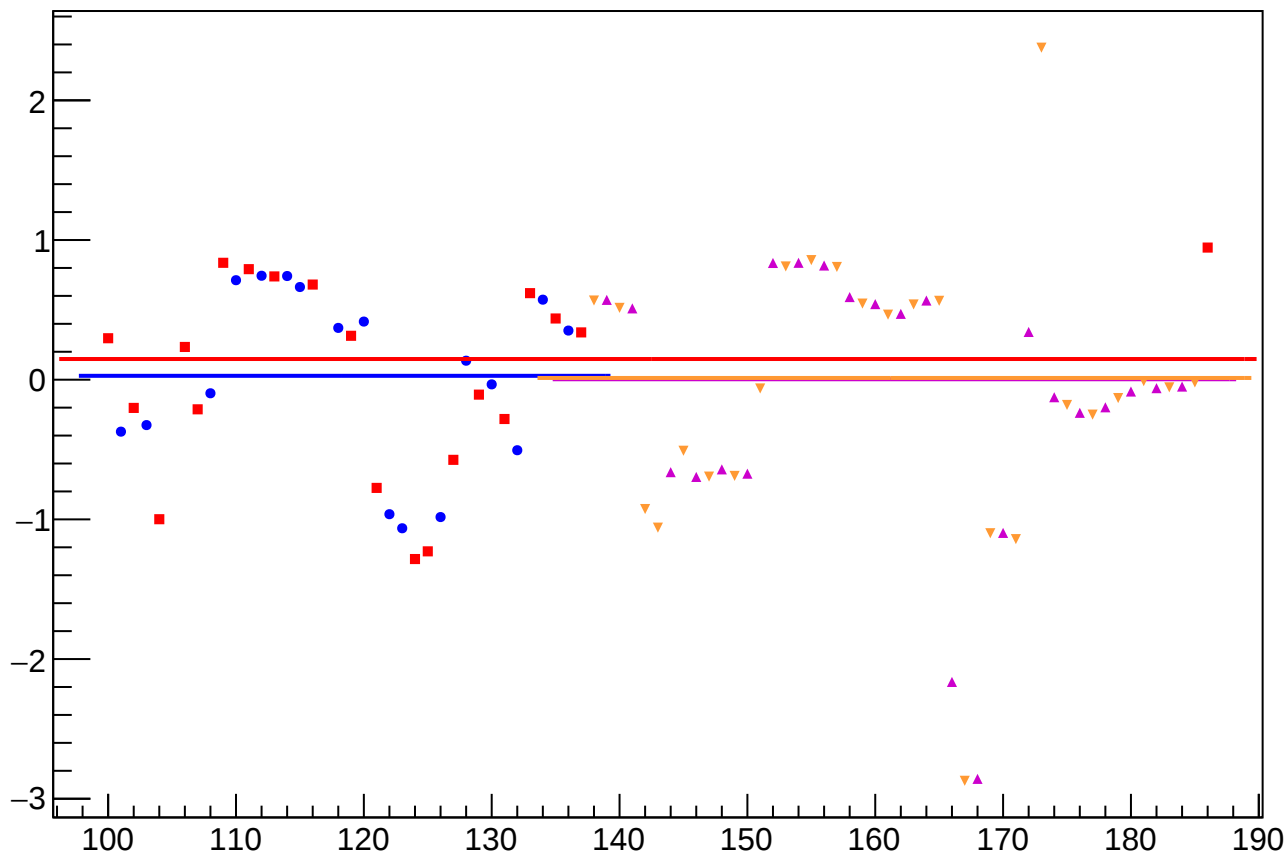
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF: 768161.9/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1074726.1/41

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2530899.8/84

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1437704.2/42

yield_bpm11Y_mean vs Slug



Right In: 0.028+/-0.000 χ^2/NDF : 6330660019.5/16

Left Out: 0.012+/-0.000 χ^2/NDF : 96383858927.1/24

Right Out: 0.148+/-0.000 χ^2/NDF : 12789617145.9/19

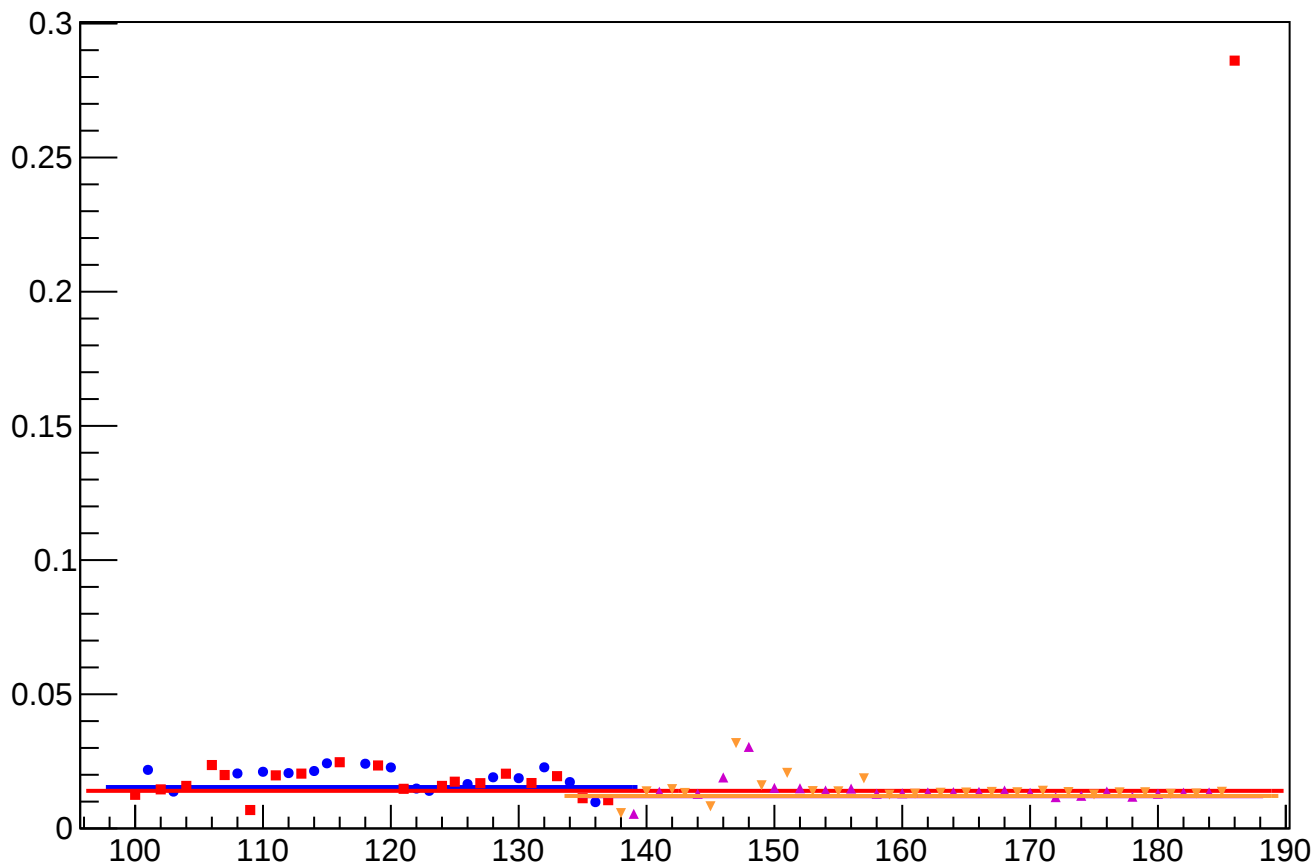
Left In: 0.003+/-0.000 χ^2/NDF : 78826489573.0/22

+ sign 0.015+/-0.000 χ^2/NDF : 102719141327.7/41

All: 0.025+/-0.000 χ^2/NDF : 194831832241.5

- sign 0.034+/-0.000 χ^2/NDF : 92088218543.2/42

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 : 3105238.9/24

Right Out: 0.014+/-0.000 χ^2/NDF : 2192133.8/19

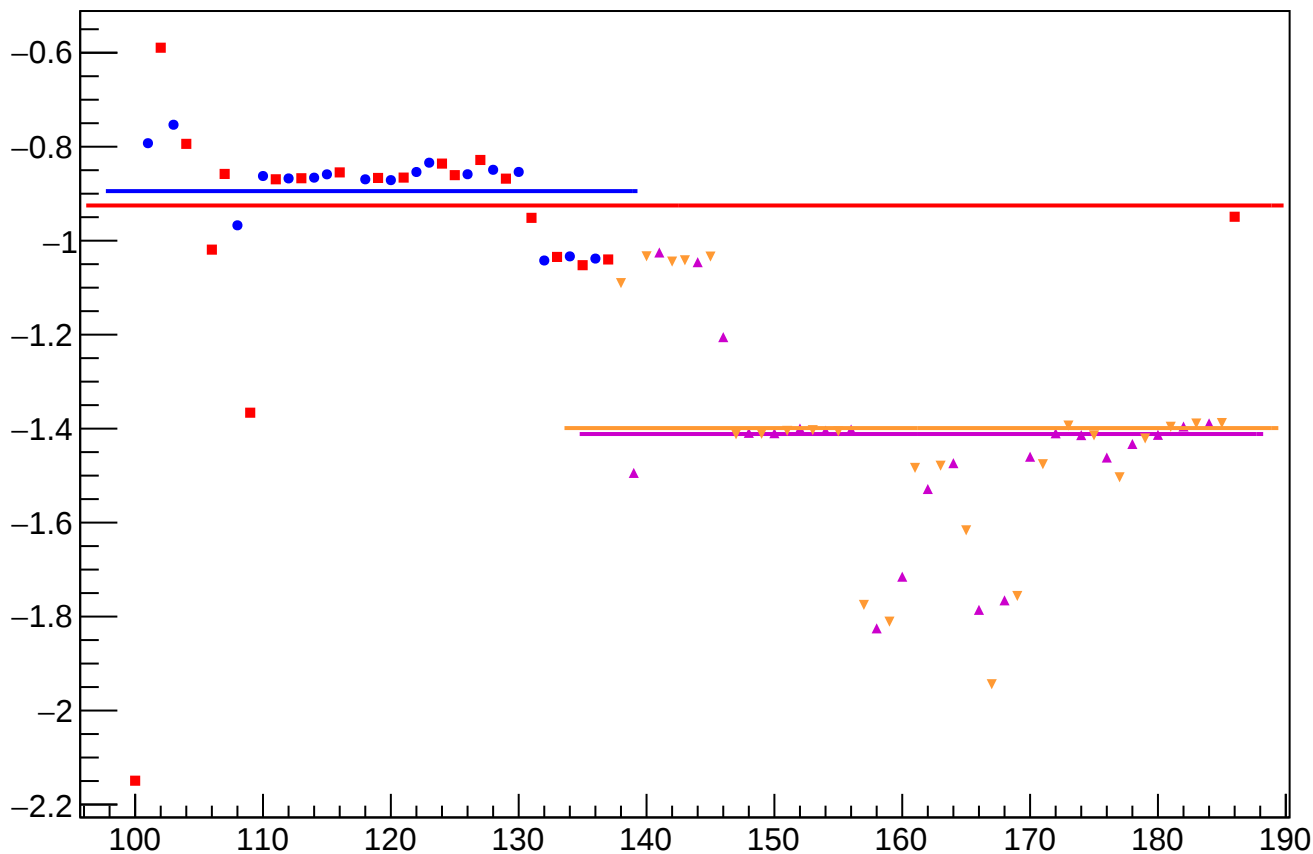
Left In: 0.012+/-0.000 χ^2/NDF : 3003502.9/22

+ sign 0.013+/-0.000 χ^2/NDF : 4696576.0/41

All: 0.013+/-0.000 χ^2/NDF : 10084259.3/84

- sign 0.012+/-0.000 χ^2/NDF : 5378061.5/42

yield_bpm12X_mean vs Slug



Right In: -0.895 ± 0.000 χ^2/NDF : 37736129.8/16

Left Out: -1.399 ± 0.000 χ^2/NDF : 738251911.1/24

Right Out: -0.925 ± 0.000 χ^2/NDF : 128528123.6/19

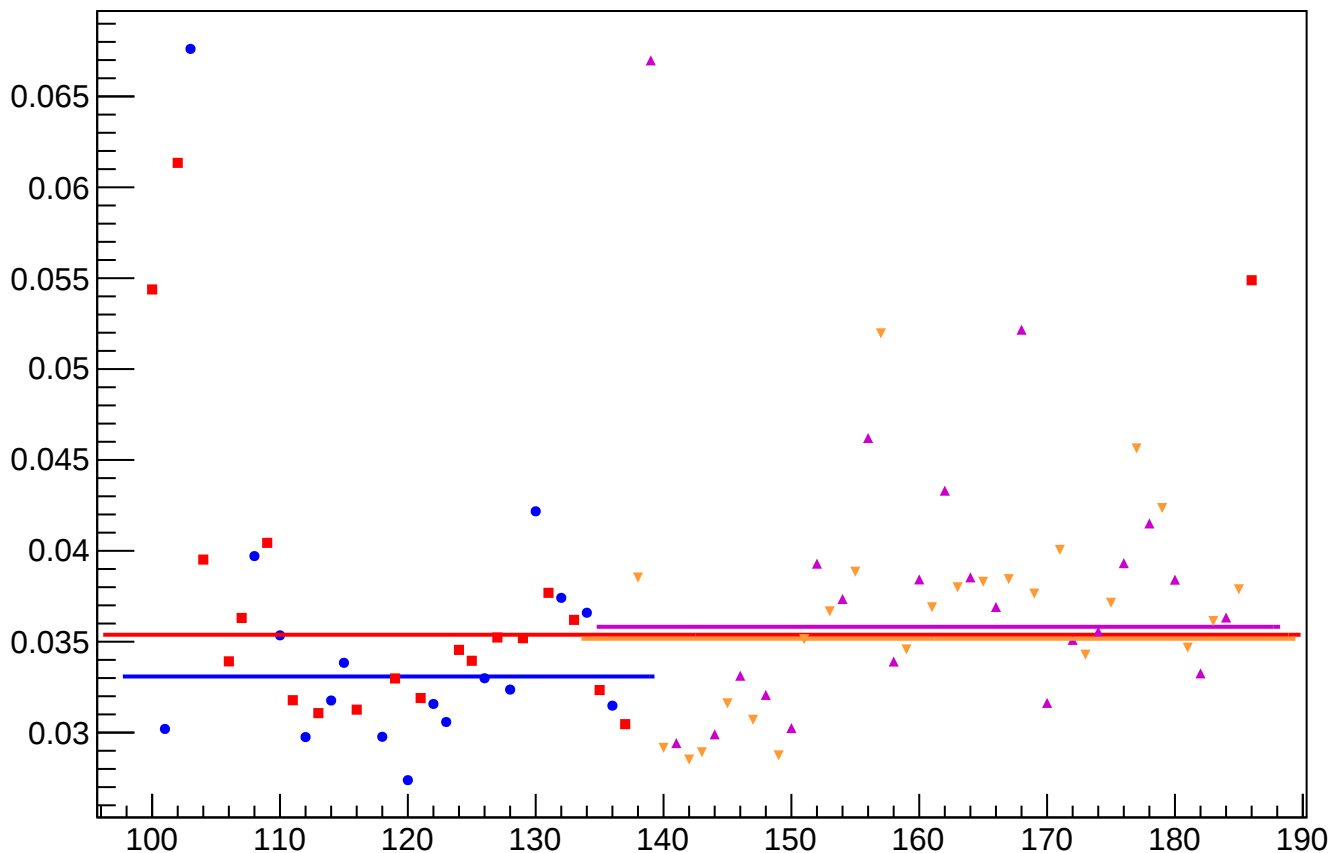
Left In: -1.411 ± 0.000 χ^2/NDF : 512547995.0/22

+ sign -1.252 ± 0.000 χ^2/NDF : 1738556031.6/41

All: -1.258 ± 0.000 χ^2/NDF : 3231892318.0/8

- sign -1.264 ± 0.000 χ^2/NDF : 1491864271.5/42

yield_bpm12X_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 408714.5/16

Left Out: 0.035+/-0.000 χ^2/NDF : 595219.5/24

Right Out: 0.035+/-0.000 χ^2/NDF : 369422.4/19

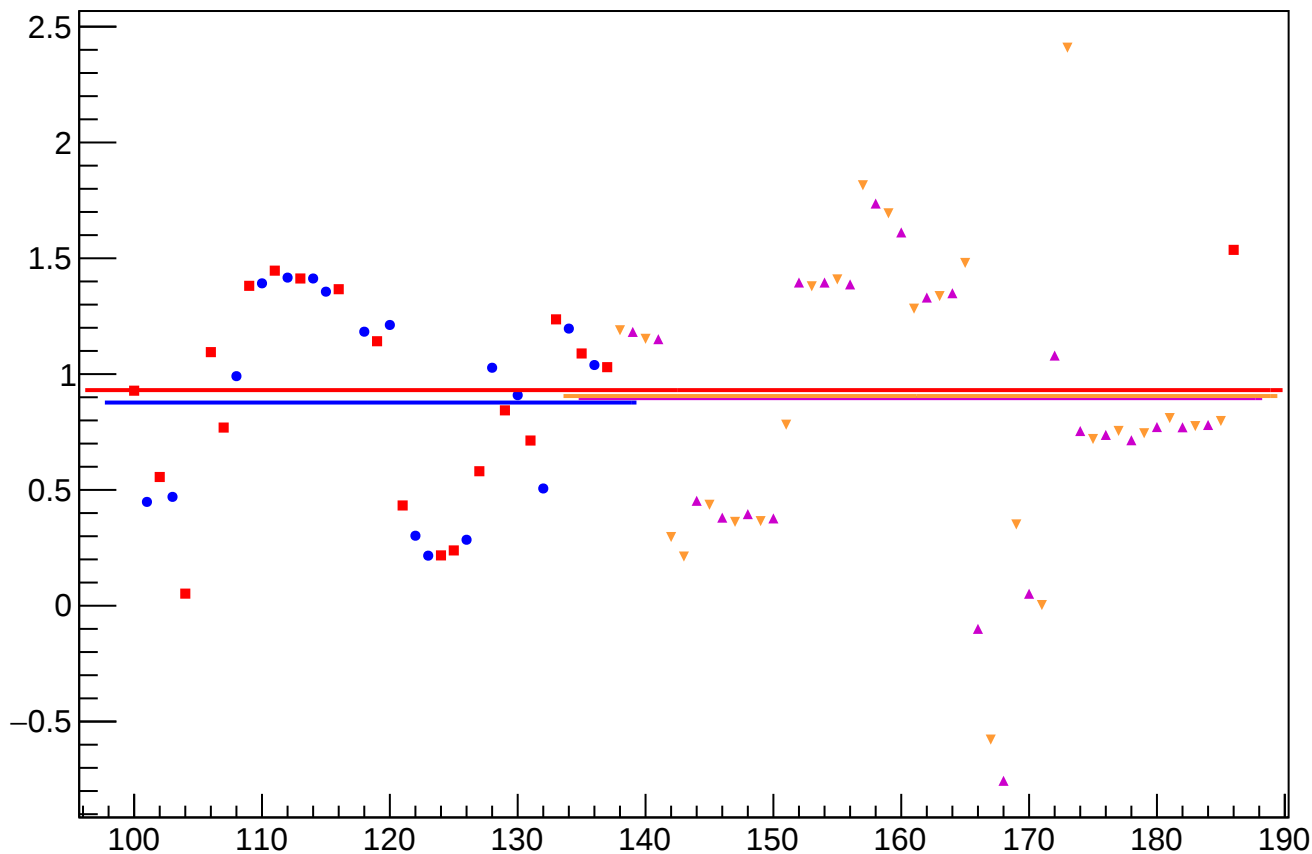
Left In: 0.036+/-0.000 χ^2/NDF : 864147.6/22

+ sign 0.035+/-0.000 χ^2/NDF : 1036520.7/41

All: 0.035+/-0.000 χ^2/NDF : 2294115.5/84

- sign 0.036+/-0.000 χ^2/NDF : 1234939.8/42

yield_bpm12Y_mean vs Slug



Right In: 0.877 $\pm$ 0.000 χ^2 /NDF: 6492530367.5/16

Left Out: 0.905 $\pm$ 0.000 χ^2 /NDF: 84265726513.8/24

Right Out: 0.931 $\pm$ 0.000 χ^2 /NDF: 9966582338.2/19

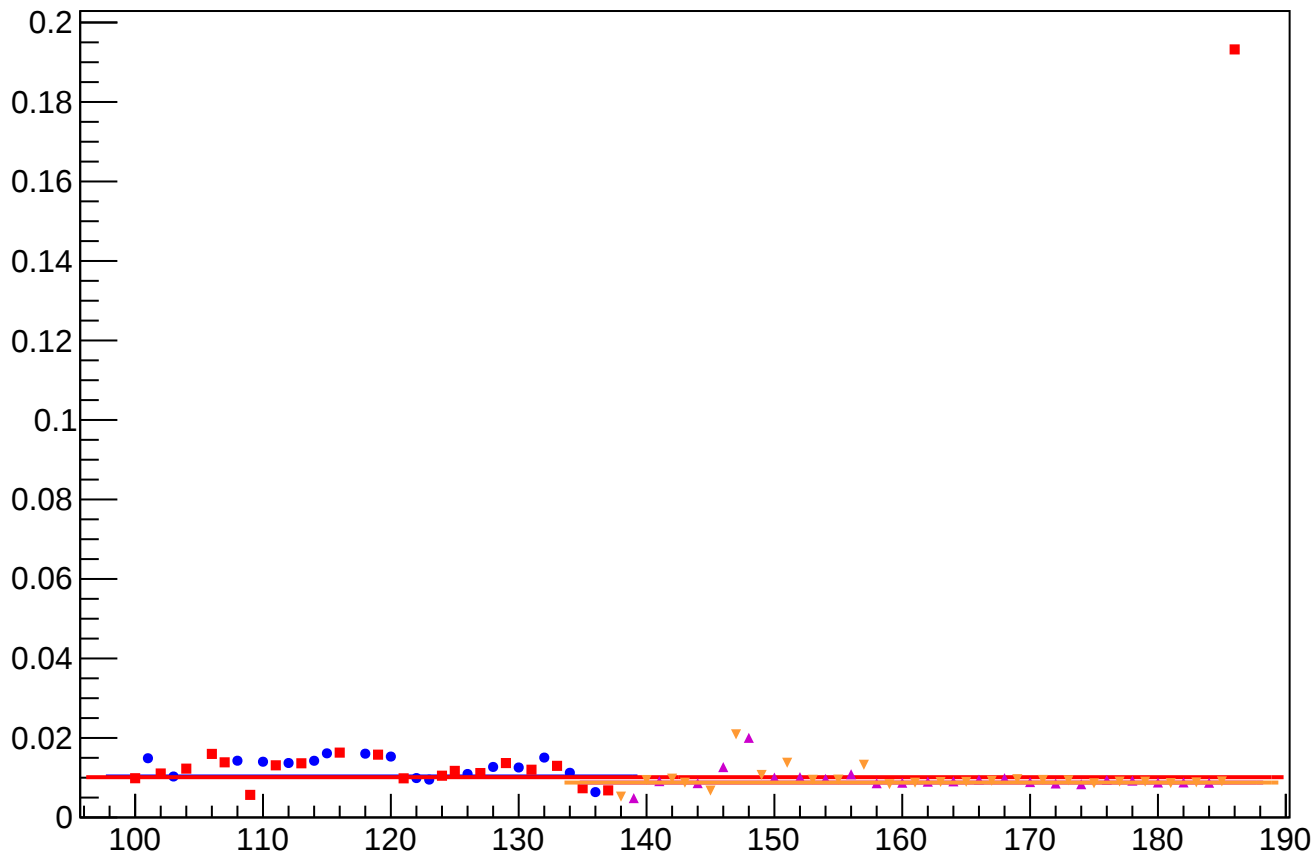
Left In: 0.896 $\pm$ 0.000 χ^2 /NDF: 66594200889.6/22

+ sign 0.900 $\pm$ 0.000 χ^2 /NDF: 90791545948.3/41

All: 0.902 $\pm$ 0.000 χ^2 /NDF: 167408118976.6

- sign 0.904 $\pm$ 0.000 χ^2 /NDF: 76614516124.5/42

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:1697568.1/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1806231.0/19

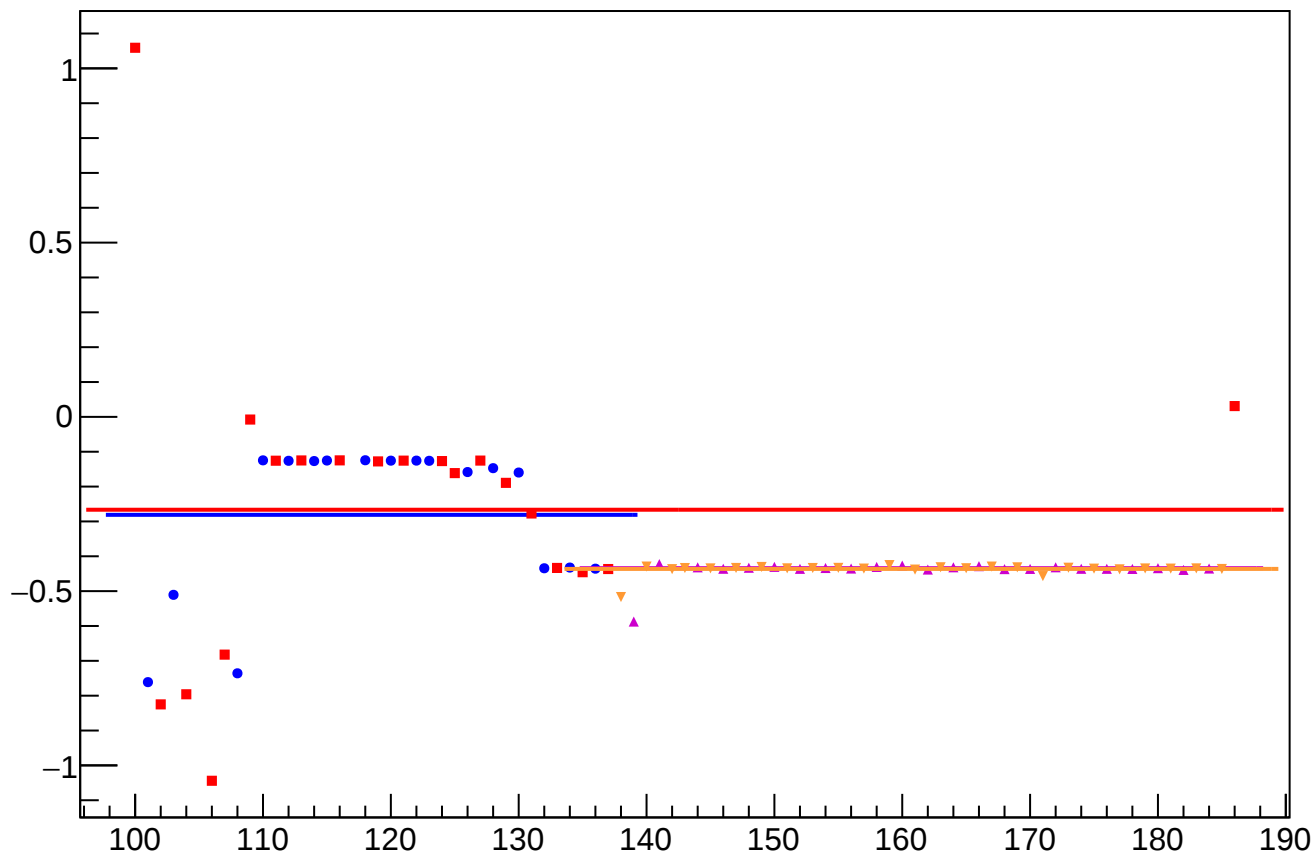
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1607939.0/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3125707.6/41

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6704038.8/84

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3578318.9/42

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 : 28774660.0/24

Right Out: -0.266 ± 0.000 χ^2/NDF : 985140062.2/19

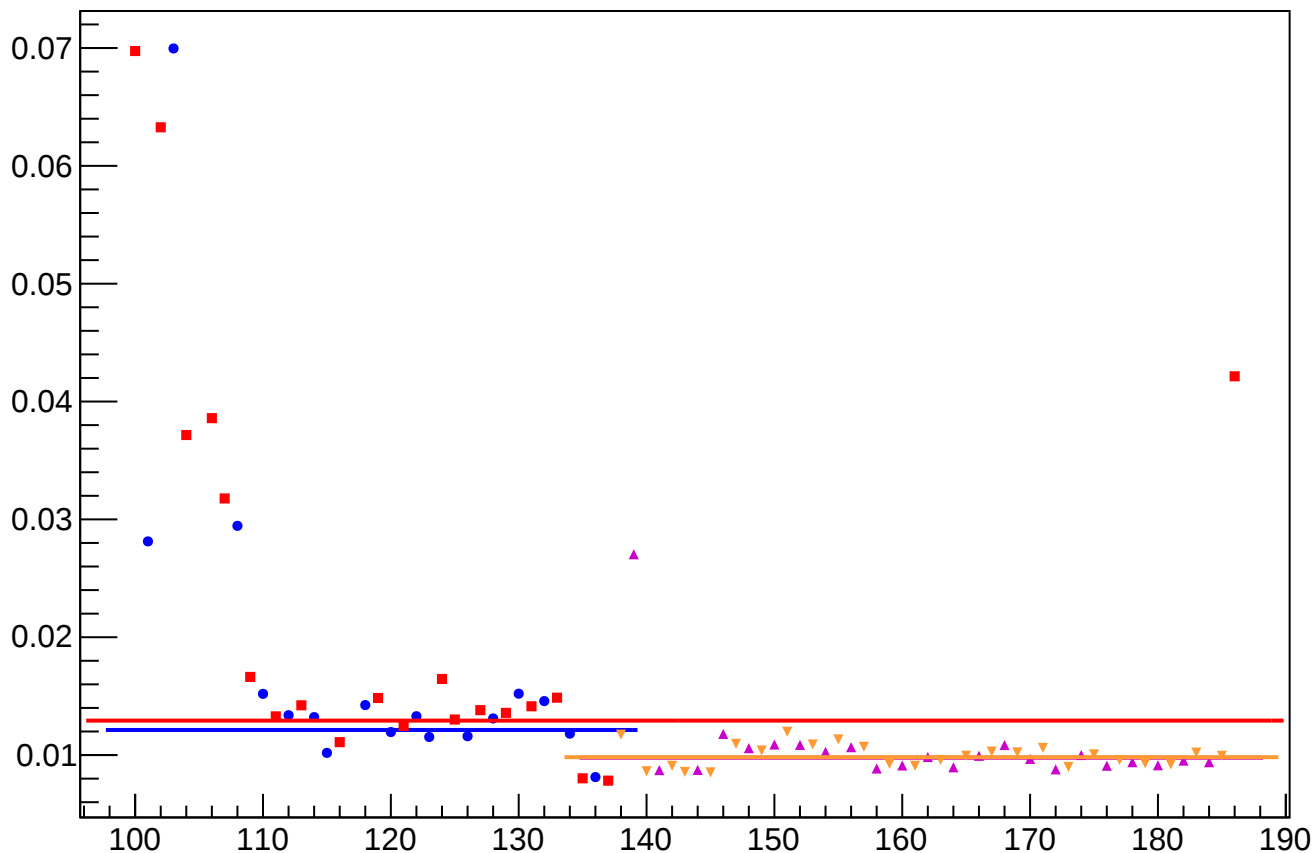
Left In: -0.434 ± 0.000 χ^2/NDF : 23984173.0/22

+ sign -0.411 ± 0.000 χ^2/NDF : 1577483993.3/41

All: -0.409 ± 0.000 χ^2/NDF : 3292359154.6/8

- sign -0.406 ± 0.000 χ^2/NDF : 1713246613.2/42

yield_bpm16X_rms vs Slug



Right In: 0.012 ± 0.000 χ^2/NDF : 1724778.2/16

Left Out: 0.010 ± 0.000 χ^2/NDF : 269242.6/24

Right Out: 0.013 ± 0.000 χ^2/NDF : 2309034.6/19

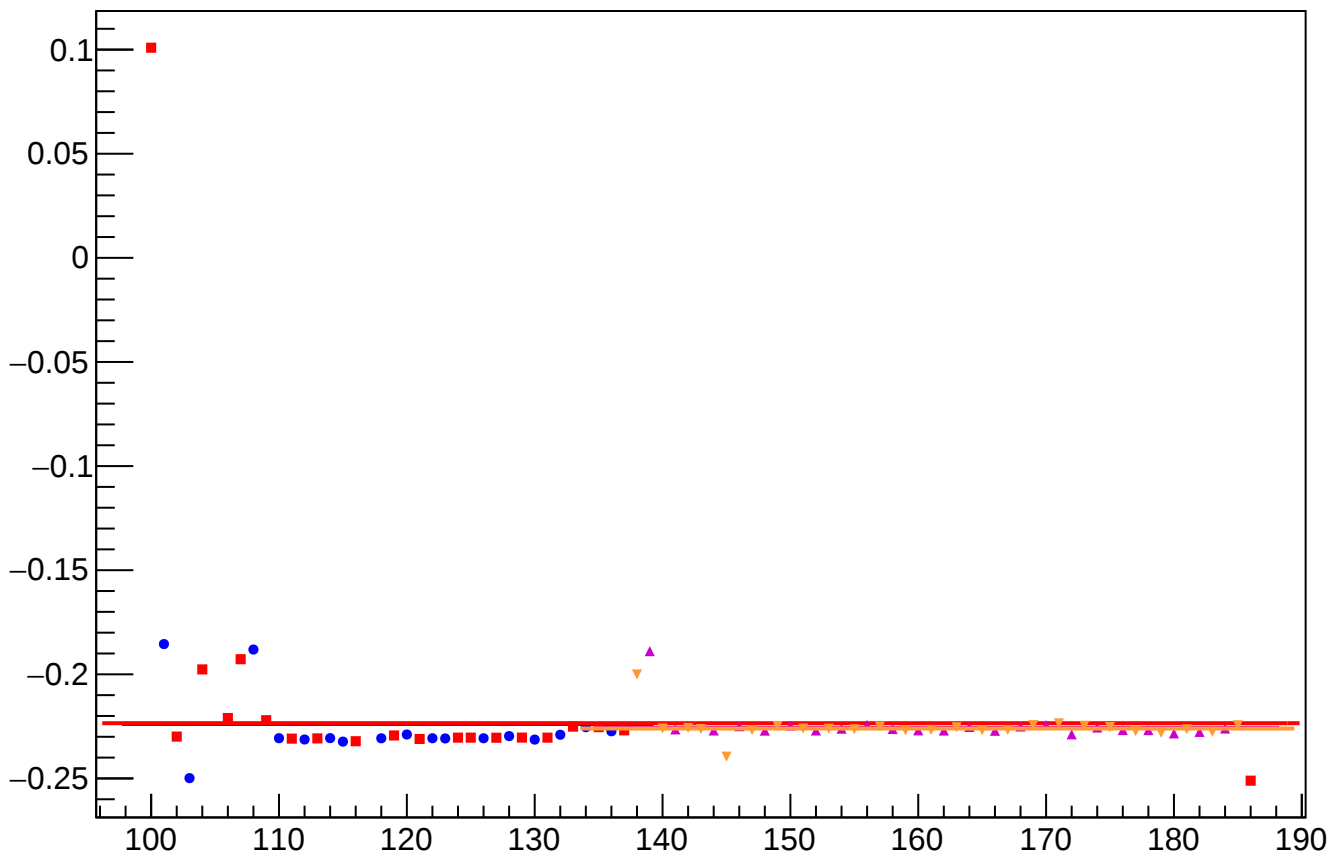
Left In: 0.010 ± 0.000 χ^2/NDF : 747550.0/22

+ sign 0.010 ± 0.000 χ^2/NDF : 2278944.7/41

All: 0.010 ± 0.000 χ^2/NDF : 5833940.0/84

- sign 0.010 ± 0.000 χ^2/NDF : 3553399.8/42

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: 21205667.4/24

Right Out: -0.223+/-0.000 χ^2 /NDF: 168017117.4/19

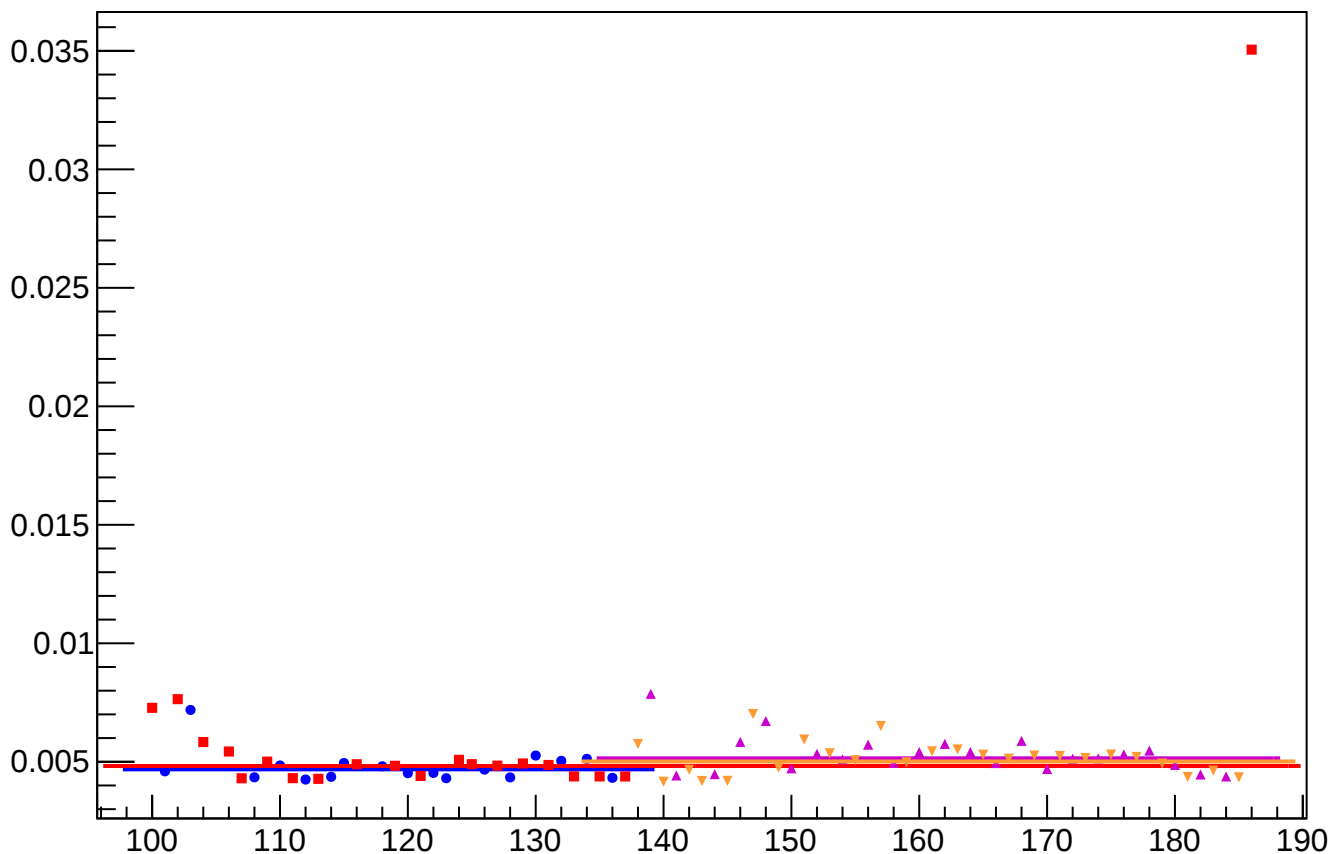
Left In: -0.226+/-0.000 χ^2 /NDF: 15245251.1/22

+ sign -0.225+/-0.000 χ^2 /NDF: 96466270.3/41

All: -0.225+/-0.000 χ^2 /NDF: 280760649.5/84

- sign -0.225+/-0.000 χ^2 /NDF: 184229982.4/42

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 : 530632.6/24

Right Out: 0.005+/-0.000 χ^2/NDF : 778162.2/19

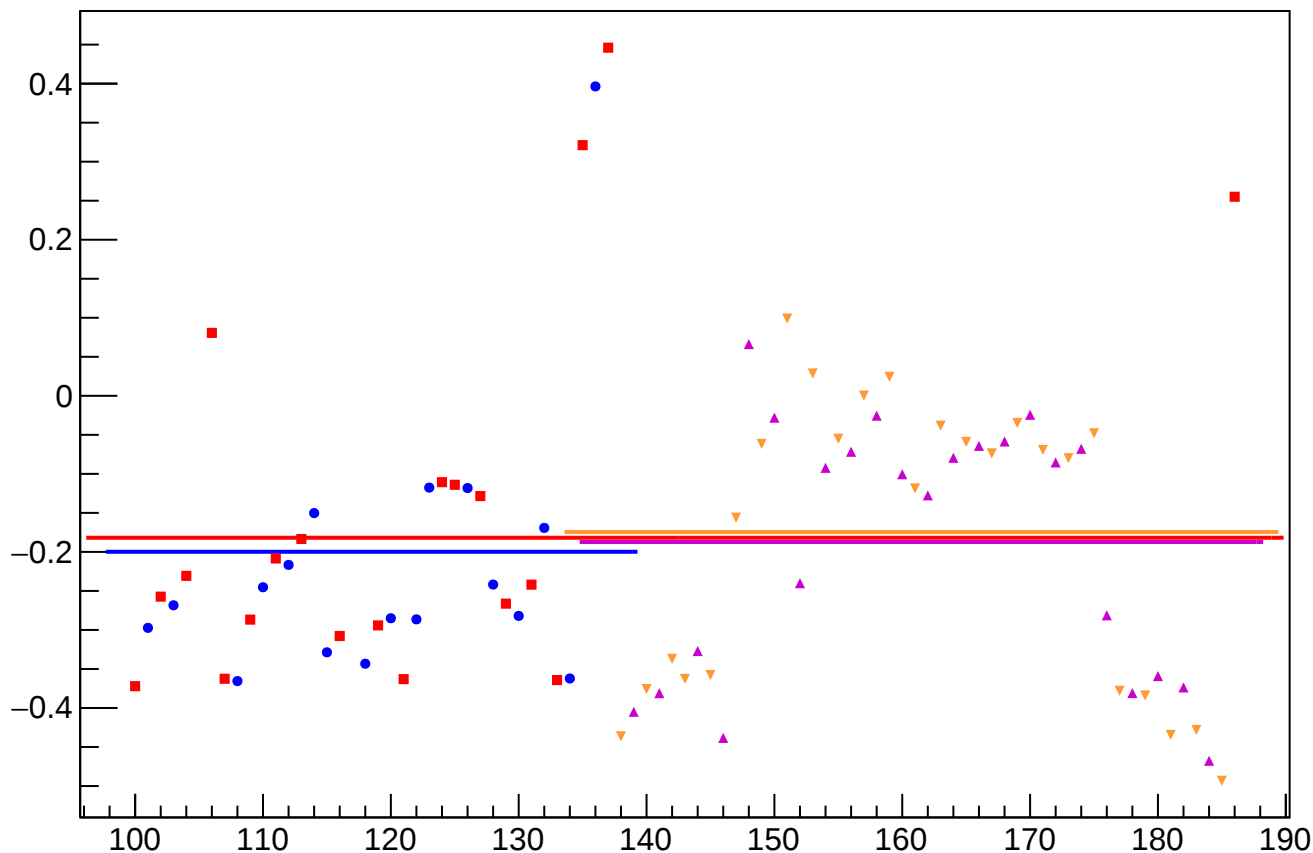
Left In: 0.005+/-0.000 χ^2/NDF : 493107.7/22

+ sign 0.005+/-0.000 χ^2/NDF : 754739.6/41

All: 0.005+/-0.000 χ^2/NDF : 2081333.7/84

- sign 0.005+/-0.000 χ^2/NDF : 1311709.3/42

yield_bpm0i02X_mean vs Slug



Right In: -0.200+/-0.000 χ^2/NDF : 5966157035.1/16

Left Out: -0.174+/-0.000 χ^2/NDF : 18025533236.1/24

Right Out: -0.182+/-0.000 χ^2/NDF : 6474186876.8/19

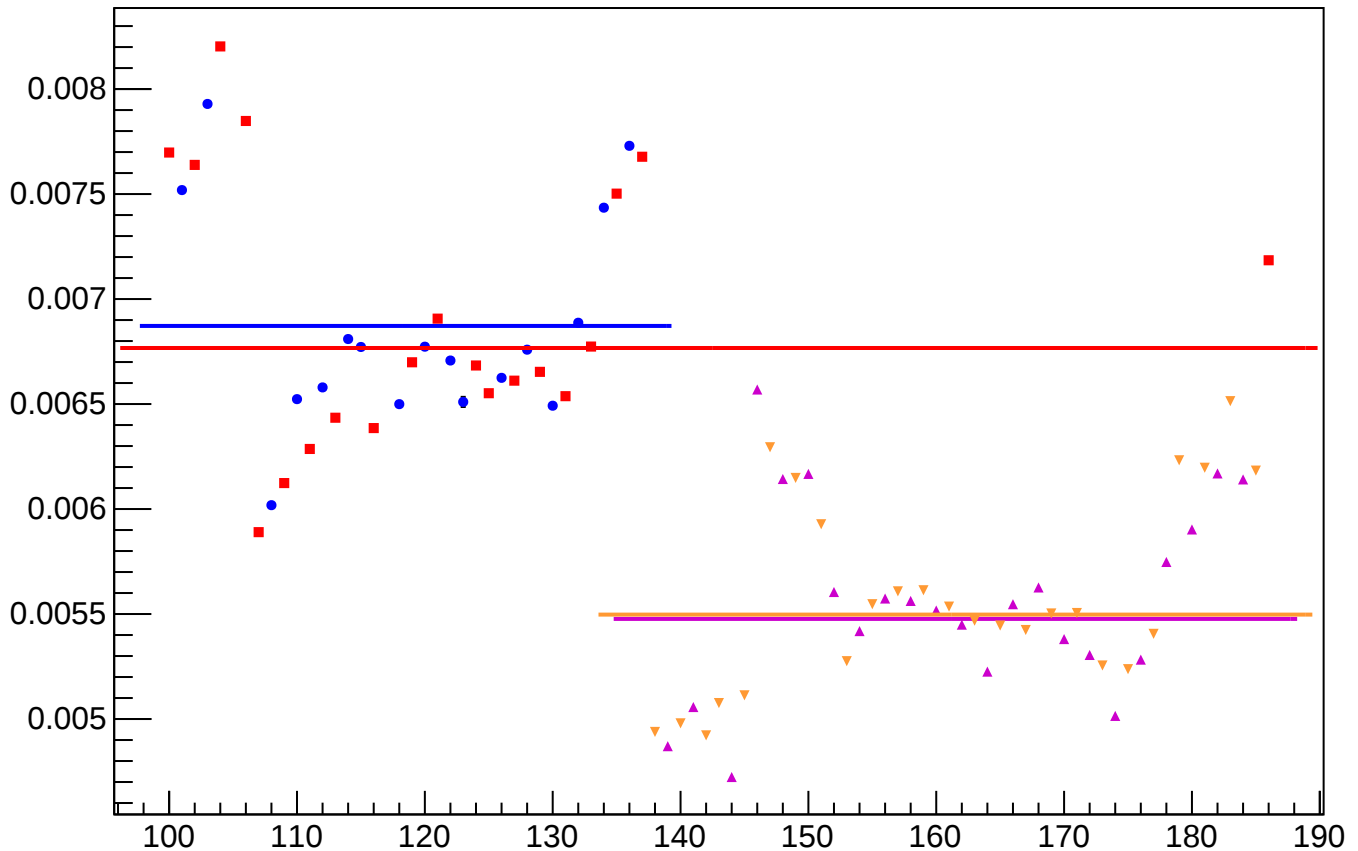
Left In: -0.187+/-0.000 χ^2/NDF : 12816646575.4/22

+ sign -0.179+/-0.000 χ^2/NDF : 24063414125.7/41

All: -0.183+/-0.000 χ^2/NDF : 43373718376.9/42

- sign -0.186+/-0.000 χ^2/NDF : 19294461751.4/42

yield_bpm0i02X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 78685.4/16

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:198746.4/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 108069.6/19

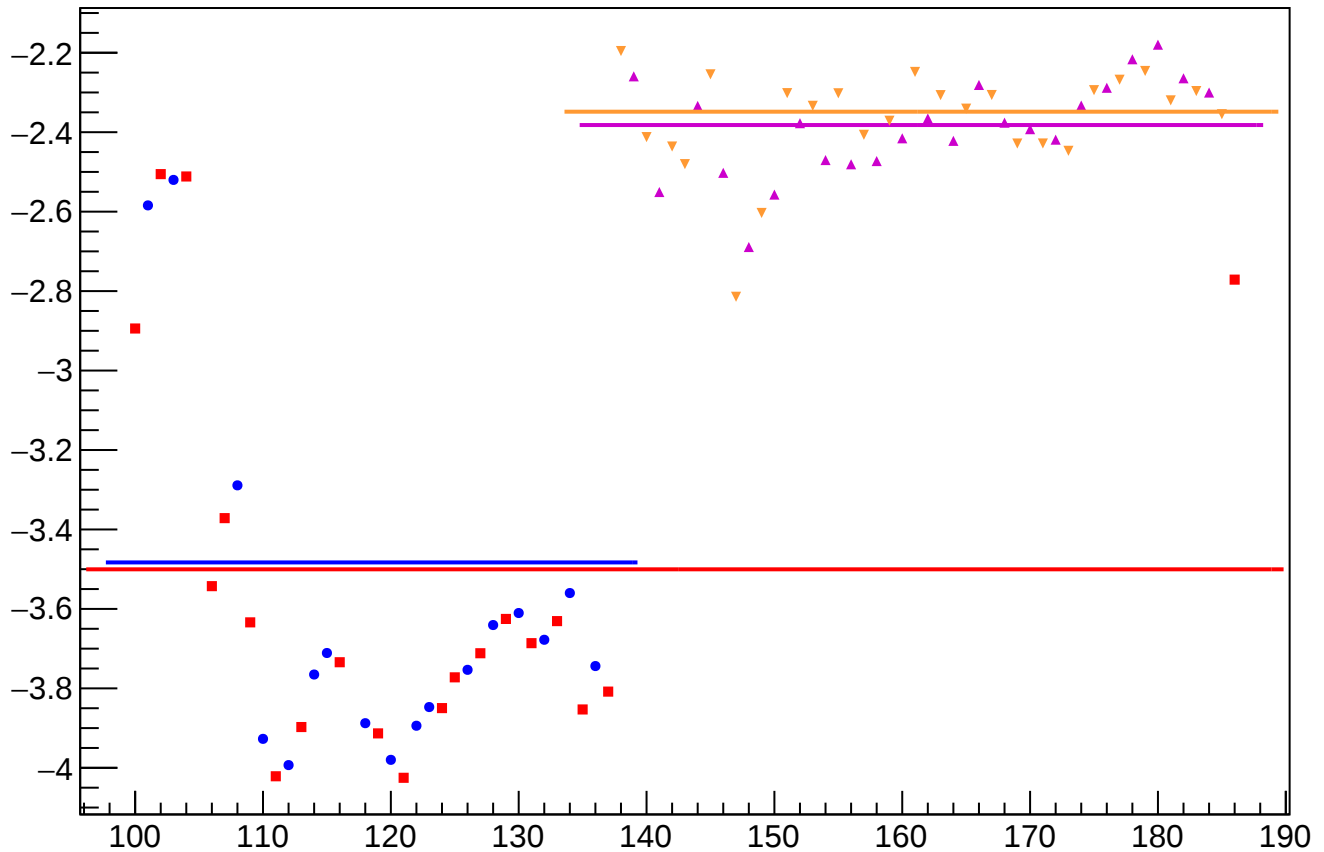
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:202181.4/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 699640.4/41

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 1417671.4/84

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 718026.6/42

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 : 2158686333.4/24

Right Out: -3.500+/-0.000 χ^2/NDF : 27982150950.8/19

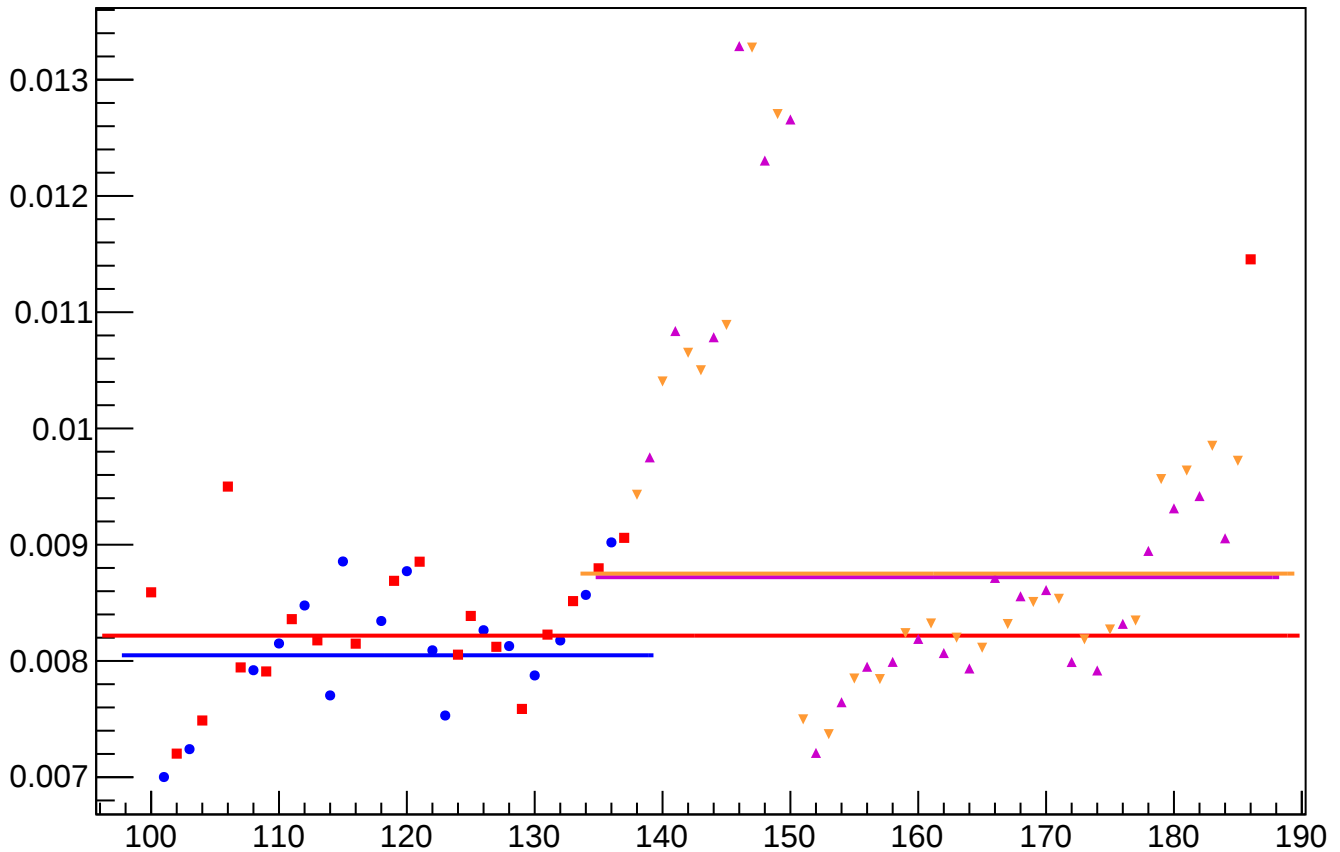
Left In: -2.382+/-0.000 χ^2/NDF : 2318395228.4/22

+ sign -2.698+/-0.000 χ^2/NDF : 118476315174.8/41

All: -2.724+/-0.000 χ^2/NDF : 237219030941.6

- sign -2.751+/-0.000 χ^2/NDF : 118291324876.7/42

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 : 663672.8/24

Right Out: 0.008+/-0.000 χ^2/NDF : 118030.4/19

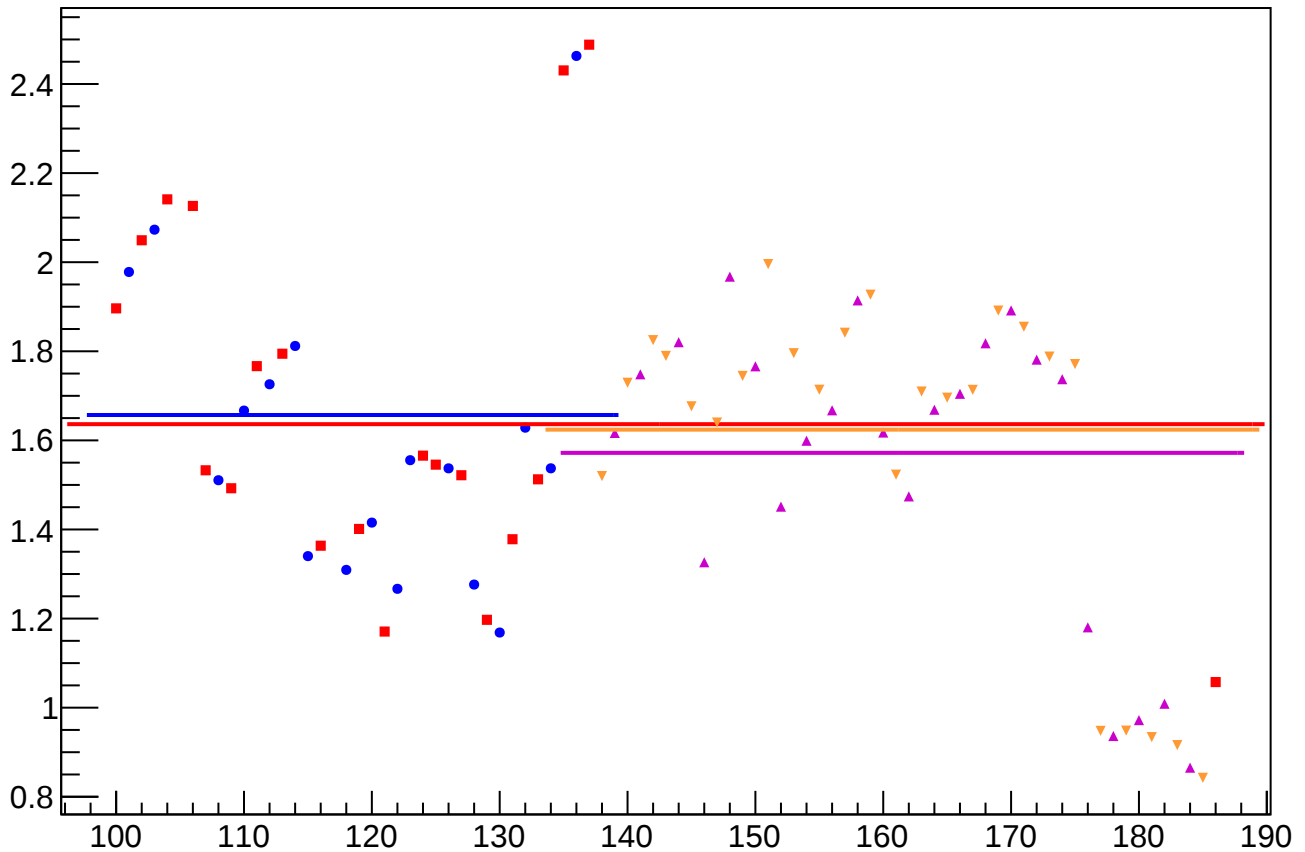
Left In: 0.009+/-0.000 χ^2/NDF : 747867.0/22

+ sign 0.009+/-0.000 χ^2/NDF : 804263.3/41

All: 0.009+/-0.000 χ^2/NDF : 1705845.3/84

- sign 0.009+/-0.000 χ^2/NDF : 901456.7/42

yield_bpm0i02aX_mean vs Slug



Right In: 1.657 $\pm$ 0.000 χ^2 /NDF: 6432420267.9/16

Left Out: 1.624 $\pm$ 0.000 χ^2 /NDF: 16631112386.4/24

Right Out: 1.636 $\pm$ 0.000 χ^2 /NDF: 6693390100.6/19

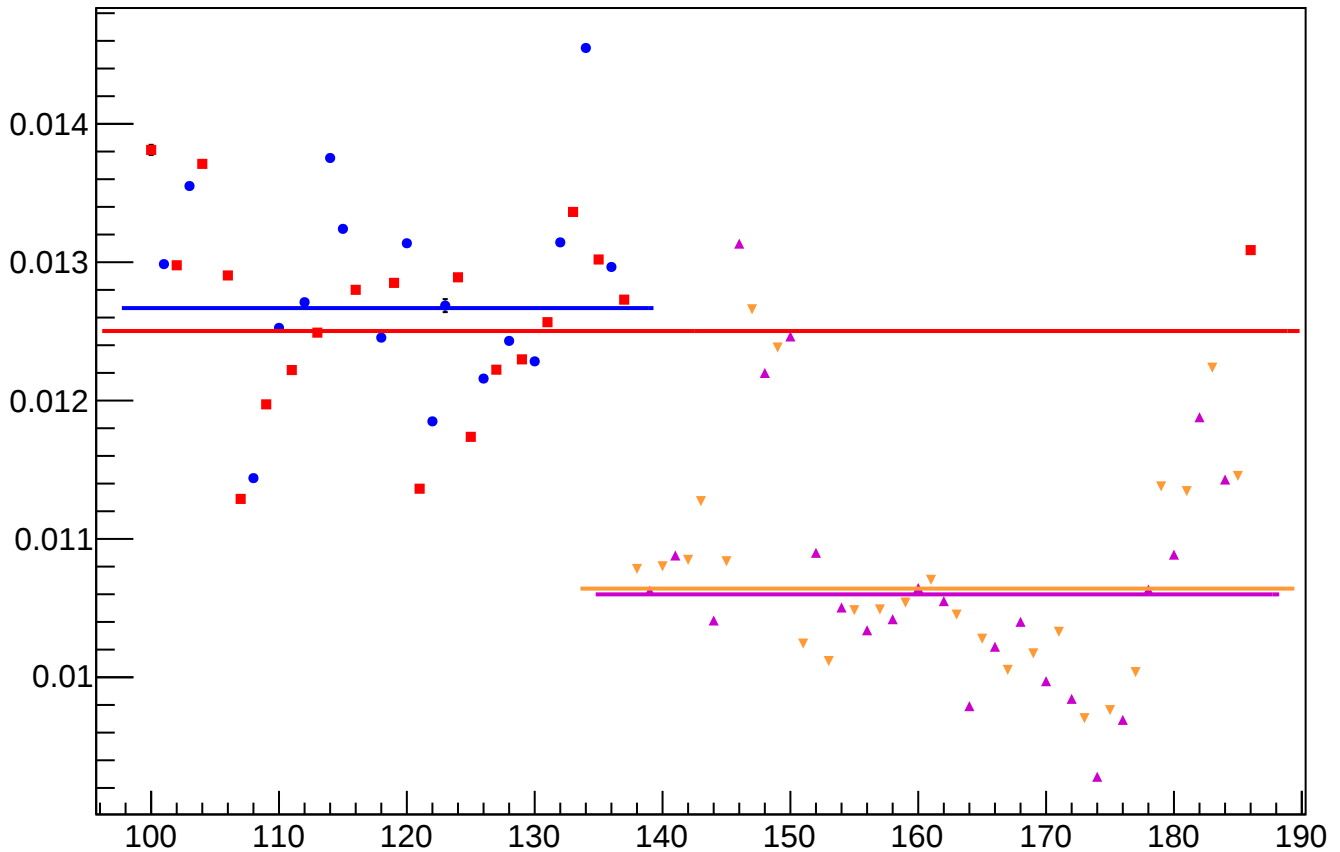
Left In: 1.572 $\pm$ 0.000 χ^2 /NDF: 14230484809.4/22

+ sign 1.631 $\pm$ 0.000 χ^2 /NDF: 23098424772.8/41

All: 1.609 $\pm$ 0.000 χ^2 /NDF: 44353863432.8/8

- sign 1.587 $\pm$ 0.000 χ^2 /NDF: 21070029144.4/42

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 :159760.9/24

Right Out: 0.013+/-0.000 χ^2/NDF : 40095.5/19

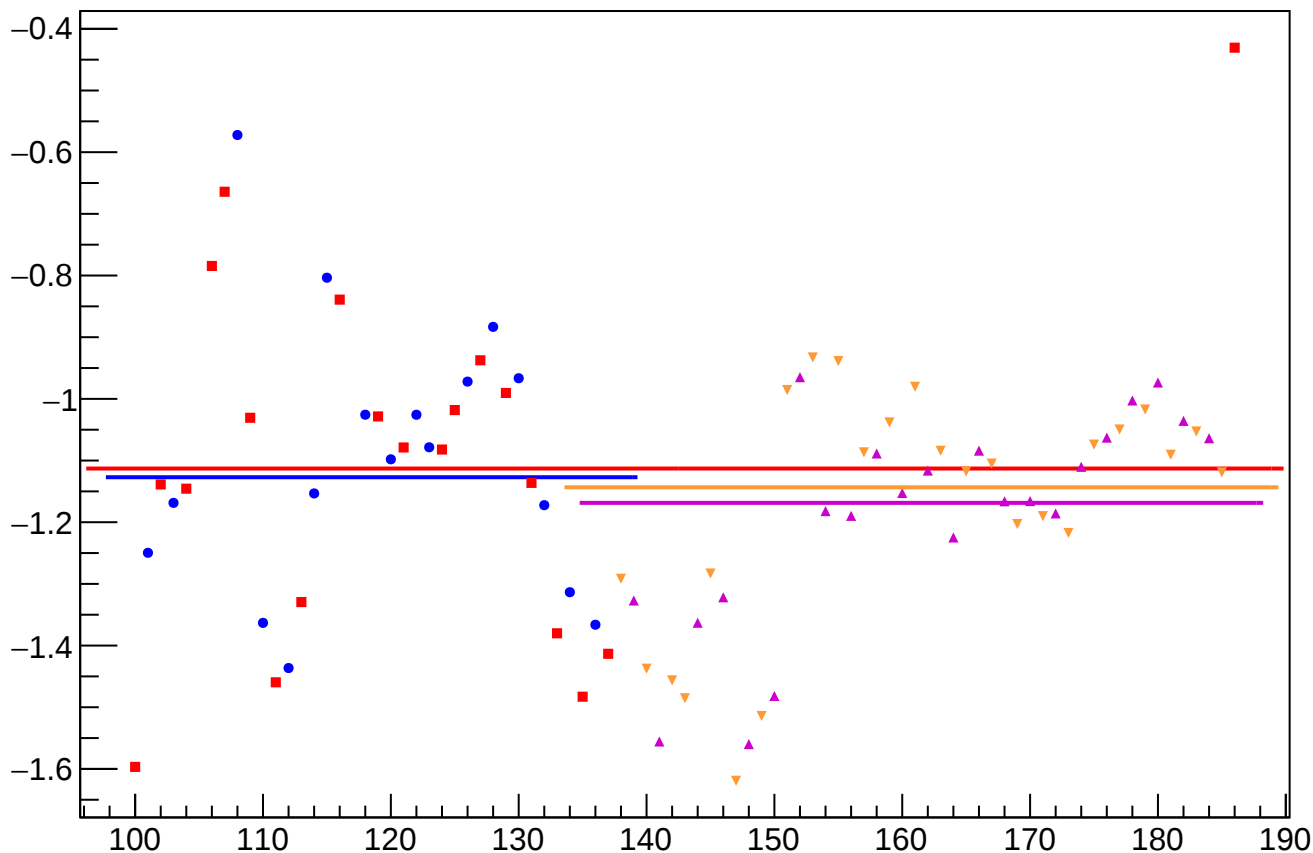
Left In: 0.011+/-0.000 χ^2/NDF :204531.5/22

+ sign 0.011+/-0.000 χ^2/NDF : 457042.6/41

All: 0.011+/-0.000 χ^2/NDF : 956986.4/84

- sign 0.011+/-0.000 χ^2/NDF : 499932.7/42

yield_bpm0i02aY_mean vs Slug



Right In: -1.127 ± 0.000 χ^2/NDF : 3546179478.6/16

Left Out: -1.143 ± 0.000 χ^2/NDF : 7976364534.0/24

Right Out: -1.113 ± 0.000 χ^2/NDF : 4963804302.9/19

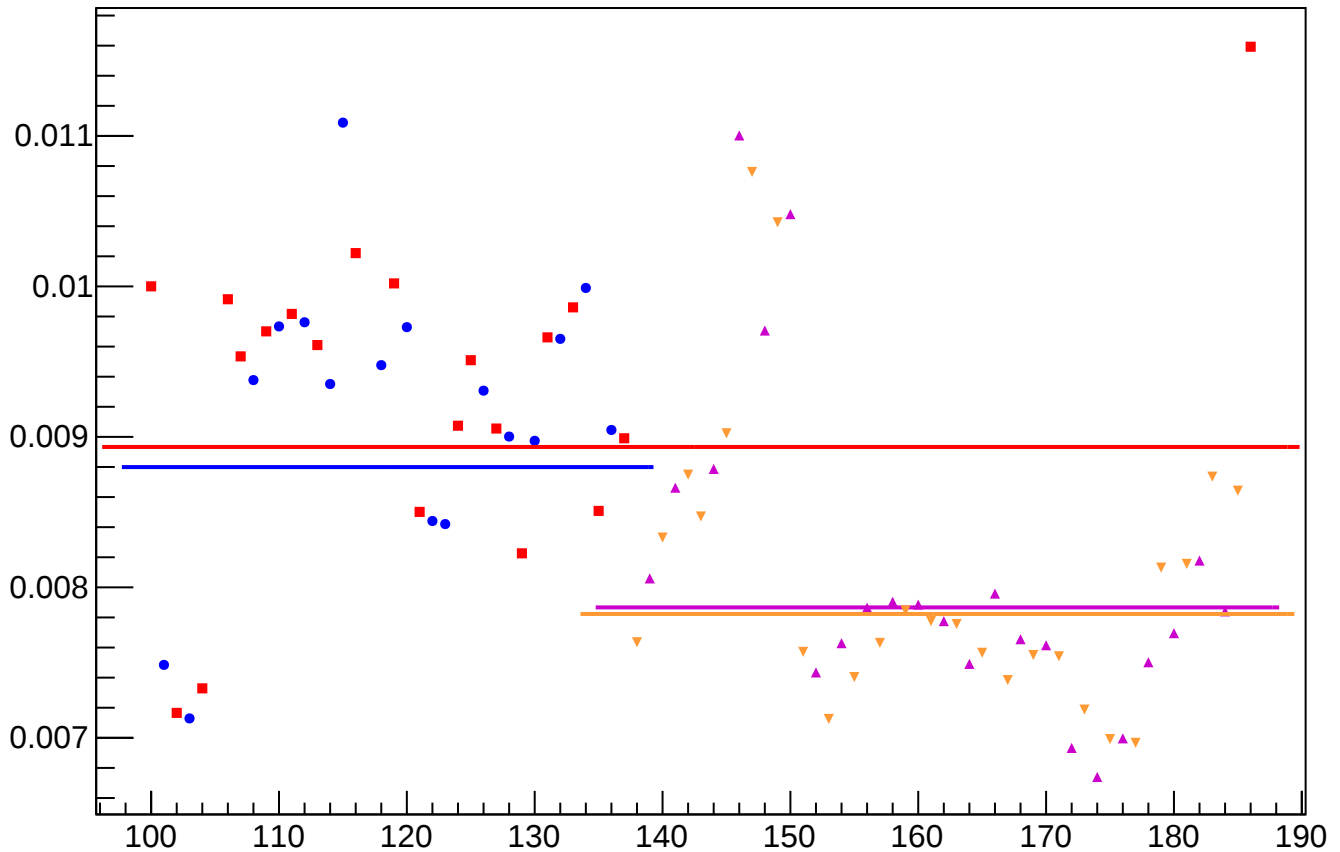
Left In: -1.169 ± 0.000 χ^2/NDF : 6362643368.6/22

+ sign -1.140 ± 0.000 χ^2/NDF : 11539485386.3/41

All: -1.147 ± 0.000 χ^2/NDF : 23108364412.4/41

- sign -1.155 ± 0.000 χ^2/NDF : 11528661259.8/42

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 : 336387.6/24

Right Out: 0.009 ± 0.000 χ^2/NDF : 213184.7/19

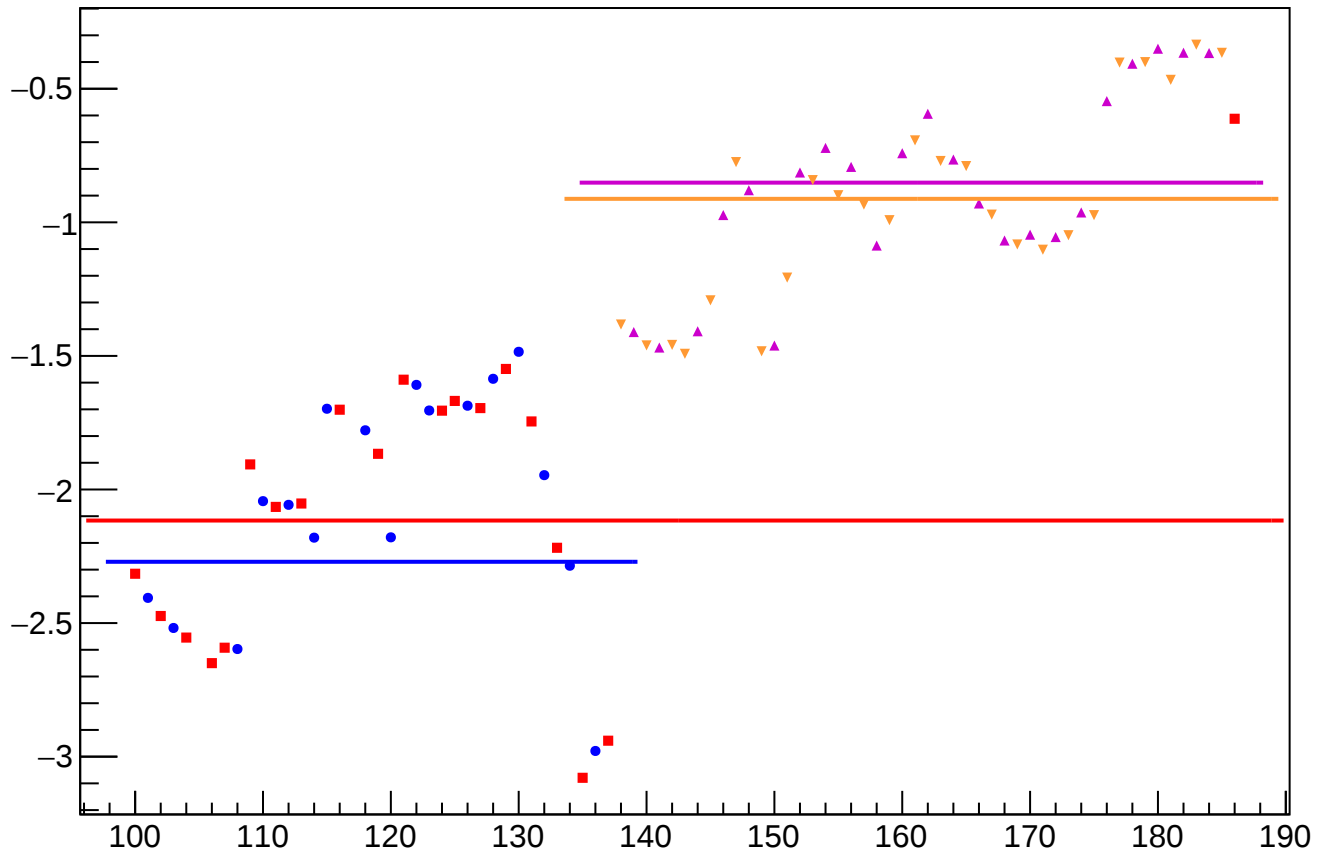
Left In: 0.008 ± 0.000 χ^2/NDF : 379901.3/22

+ sign 0.008 ± 0.000 χ^2/NDF : 608820.7/41

All: 0.008 ± 0.000 χ^2/NDF : 1353034.9/84

- sign 0.008 ± 0.000 χ^2/NDF : 741467.1/42

yield_bpm0i05X_mean vs Slug



Right In: -2.271 ± 0.000 $\chi^2/\text{NDF}: 17322622121.9/16$

Left Out: -0.912 ± 0.000 $\chi^2/\text{NDF}: 49039425818.1/24$

Right Out: -2.116 ± 0.000 $\chi^2/\text{NDF}: 44694206974.7/19$

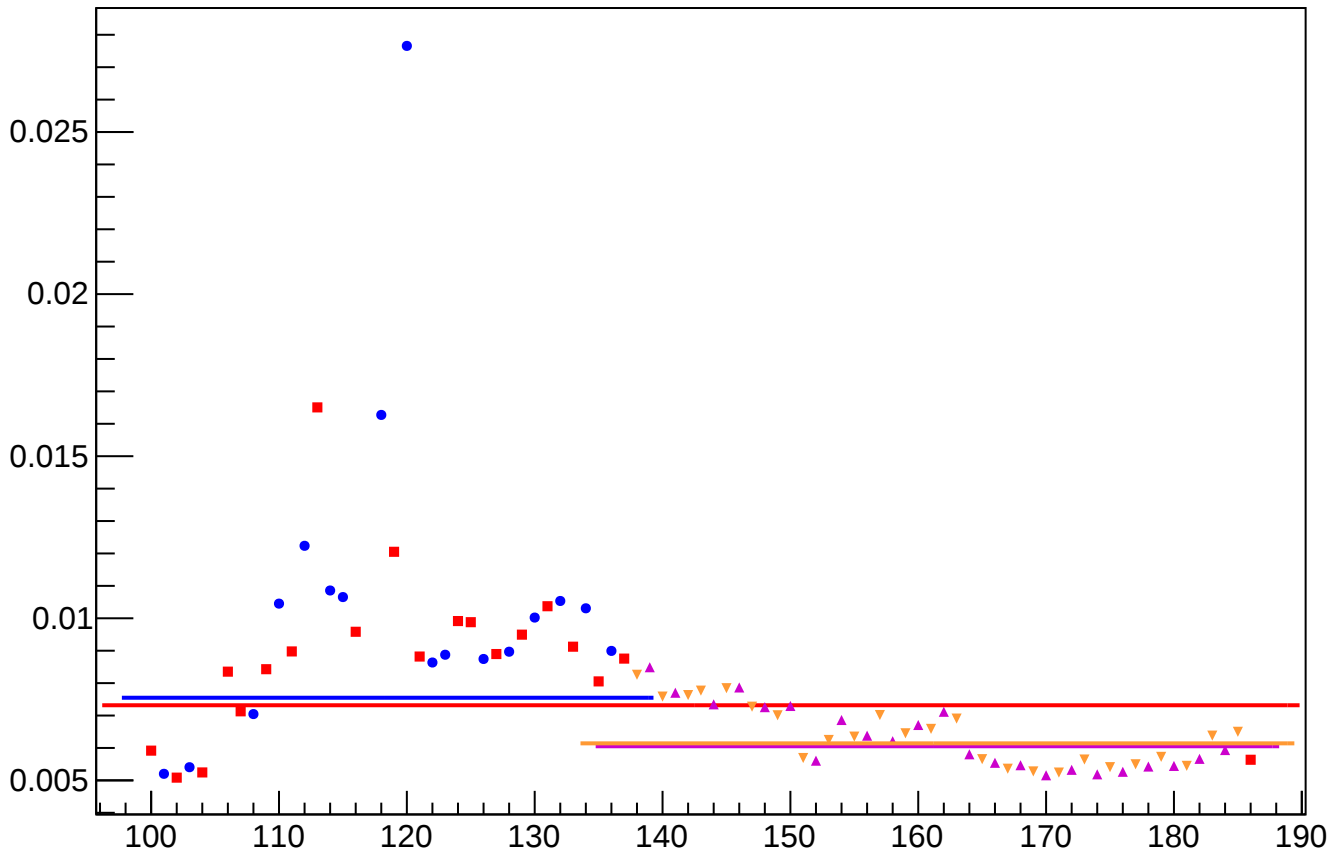
Left In: -0.851 ± 0.000 $\chi^2/\text{NDF}: 46438446008.2/22$

+ sign -1.136 ± 0.000 $\chi^2/\text{NDF}: 202026832221.4/41$

All: -1.121 ± 0.000 $\chi^2/\text{NDF}: 433734587012.2$

- sign -1.107 ± 0.000 $\chi^2/\text{NDF}: 231468190255.5/42$

yield_bpm0i05X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 1215131.1/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 637765.4/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 990259.9/19

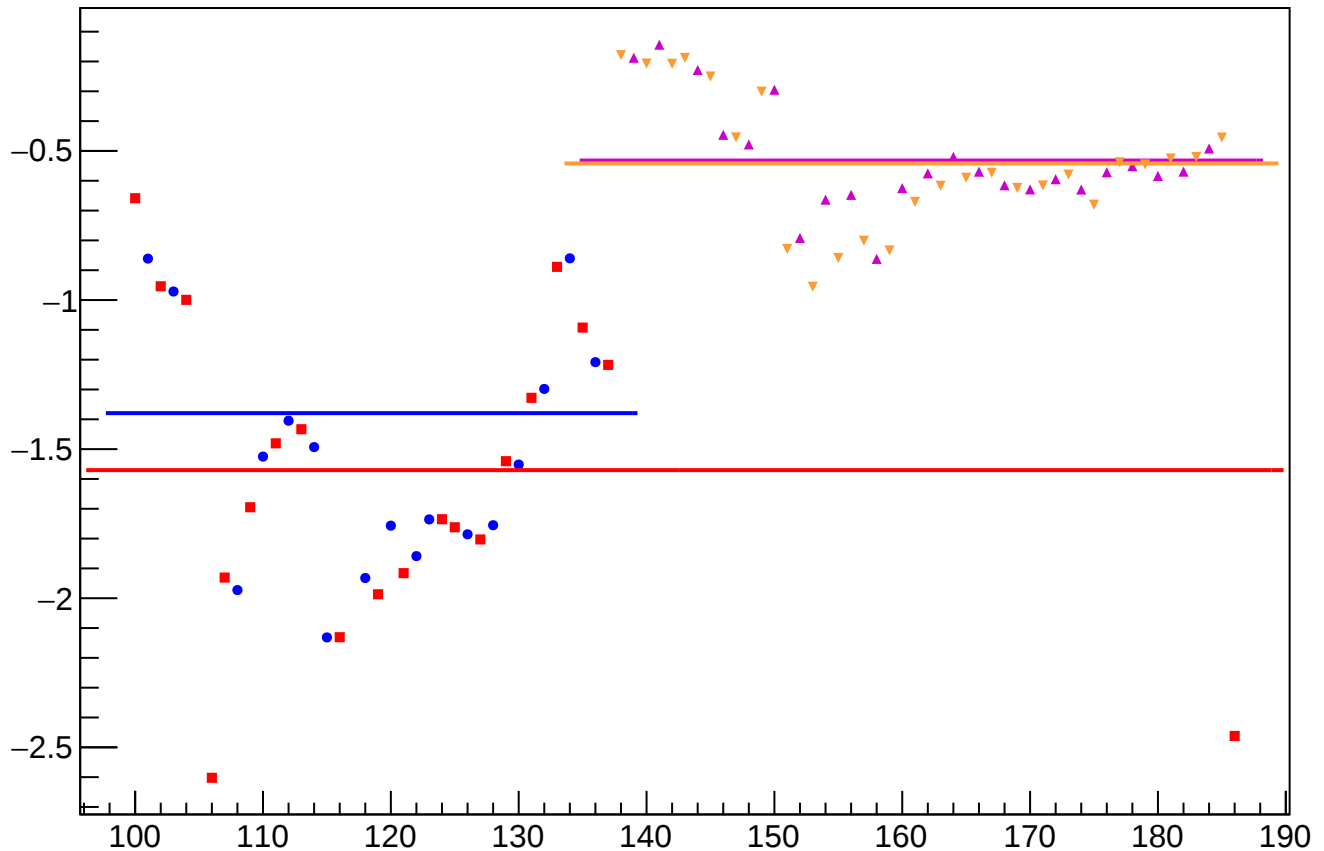
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF: 697577.8/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2143952.0/41

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 4114927.4/84

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 1968574.3/42

yield_bpm0i05Y_mean vs Slug



Right In: -1.379+/-0.000 χ^2/NDF : 19933785465.4/16

Left Out: -0.542+/-0.000 χ^2/NDF : 47268284910.3/24

Right Out: -1.570+/-0.000 χ^2/NDF : 52171143578.1/19

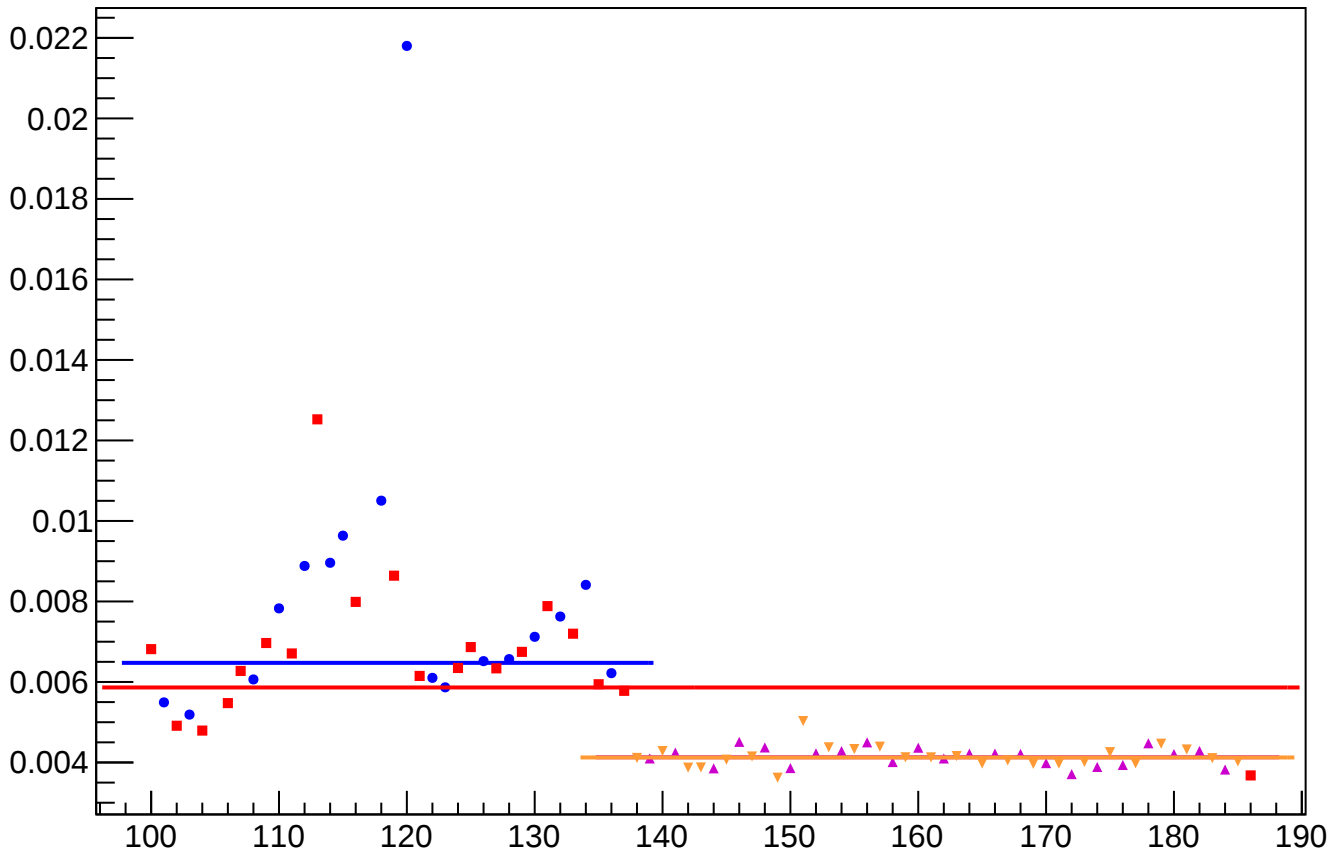
Left In: -0.532+/-0.000 χ^2/NDF : 30715235426.8/22

+ sign -0.639+/-0.000 χ^2/NDF : 147507167960.5/41

All: -0.668+/-0.000 χ^2/NDF : 392157930151.0

- sign -0.697+/-0.000 χ^2/NDF : 242768330501.3/42

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 : 113033.9/24

Right Out: 0.006+/-0.000 χ^2/NDF : 689554.8/19

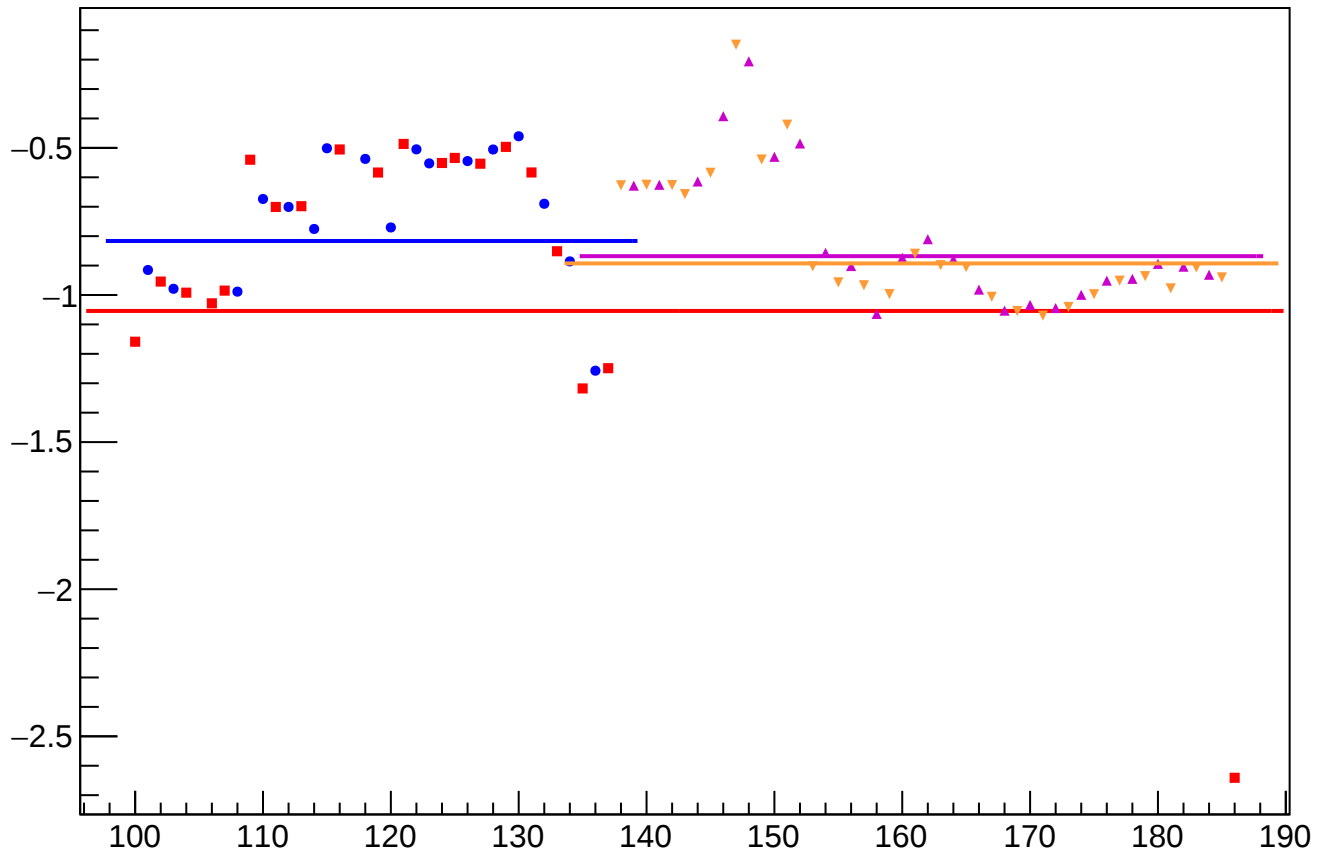
Left In: 0.004+/-0.000 χ^2/NDF : 93111.2/22

+ sign 0.004+/-0.000 χ^2/NDF : 1948629.0/41

All: 0.004+/-0.000 χ^2/NDF : 3623027.6/84

- sign 0.004+/-0.000 χ^2/NDF : 1674317.2/42

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: 40787012603.8/24

Right Out: -1.054+/-0.000 χ^2 /NDF: 114925443180.0/19

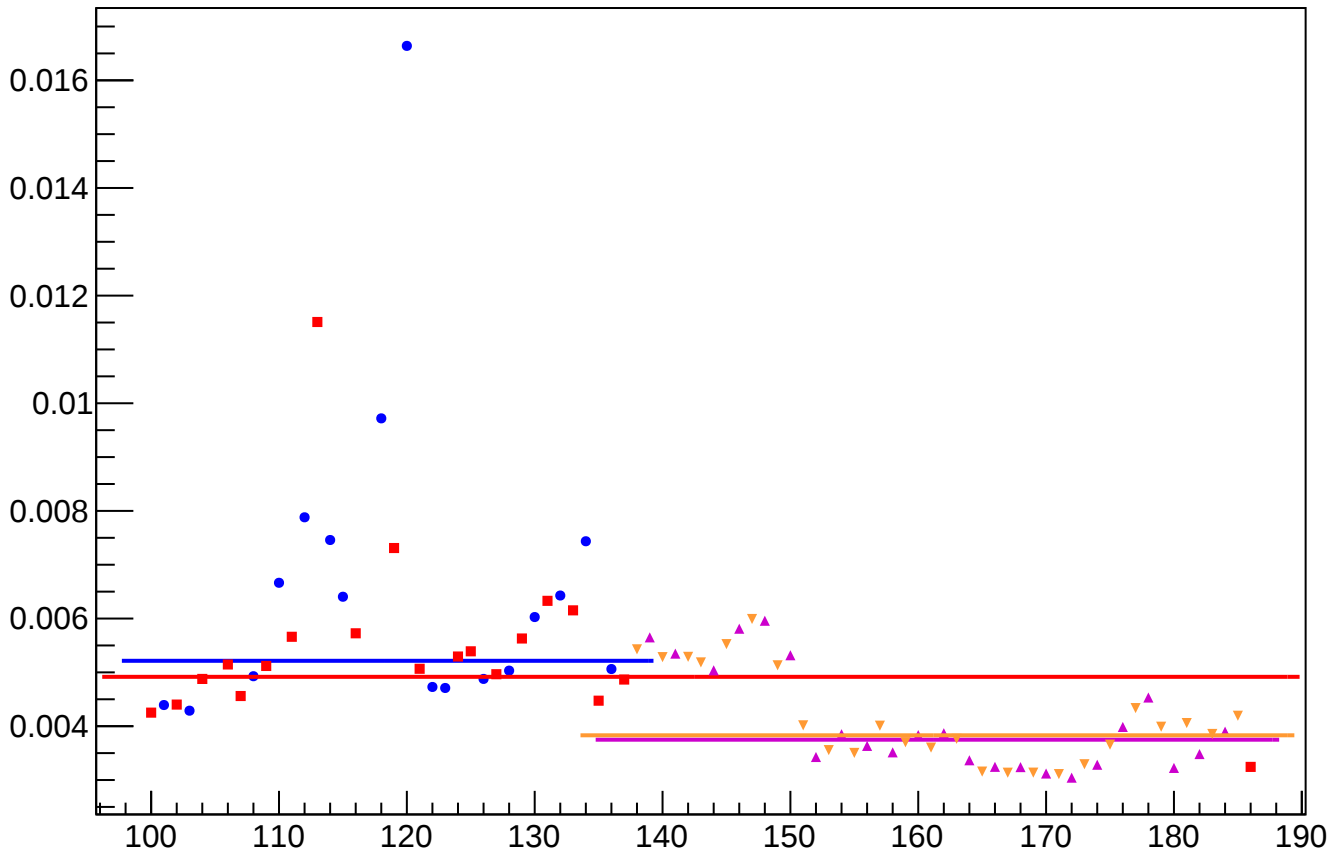
Left In: -0.868+/-0.000 χ^2 /NDF: 43853190177.2/22

+ sign -0.881+/-0.000 χ^2 /NDF: 55865254796.9/41

All: -0.892+/-0.000 χ^2 /NDF: 222152153050.3

- sign -0.903+/-0.000 χ^2 /NDF: 165981246169.3/42

yield_bpm0i07X_rms vs Slug



Right In: 0.005 ± 0.000 $\chi^2/\text{NDF}: 662832.6/16$

Left Out: 0.004 ± 0.000 $\chi^2/\text{NDF}: 1179801.7/24$

Right Out: 0.005 ± 0.000 $\chi^2/\text{NDF}: 577953.5/19$

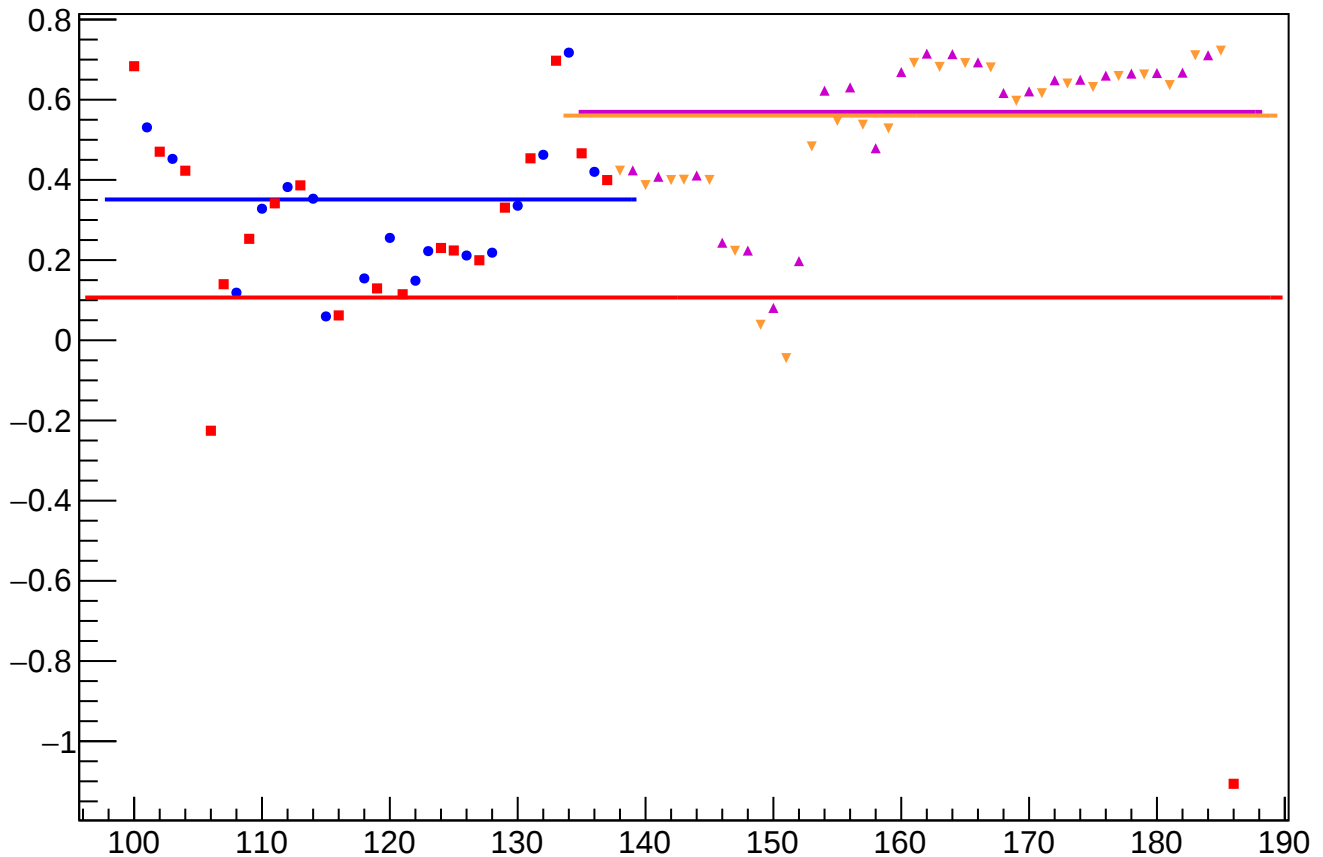
Left In: 0.004 ± 0.000 $\chi^2/\text{NDF}: 1288490.4/22$

+ sign 0.004 ± 0.000 $\chi^2/\text{NDF}: 2481753.1/41$

All: 0.004 ± 0.000 $\chi^2/\text{NDF}: 4921728.9/84$

- sign 0.004 ± 0.000 $\chi^2/\text{NDF}: 2433480.7/42$

yield_bpm0i07Y_mean vs Slug



Right In: 0.351 $\pm$ 0.000 χ^2 /NDF: 7385246200.8/16

Left Out: 0.560 $\pm$ 0.000 χ^2 /NDF: 45205806387.2/24

Right Out: 0.107 $\pm$ 0.000 χ^2 /NDF: 139125417363.4/19

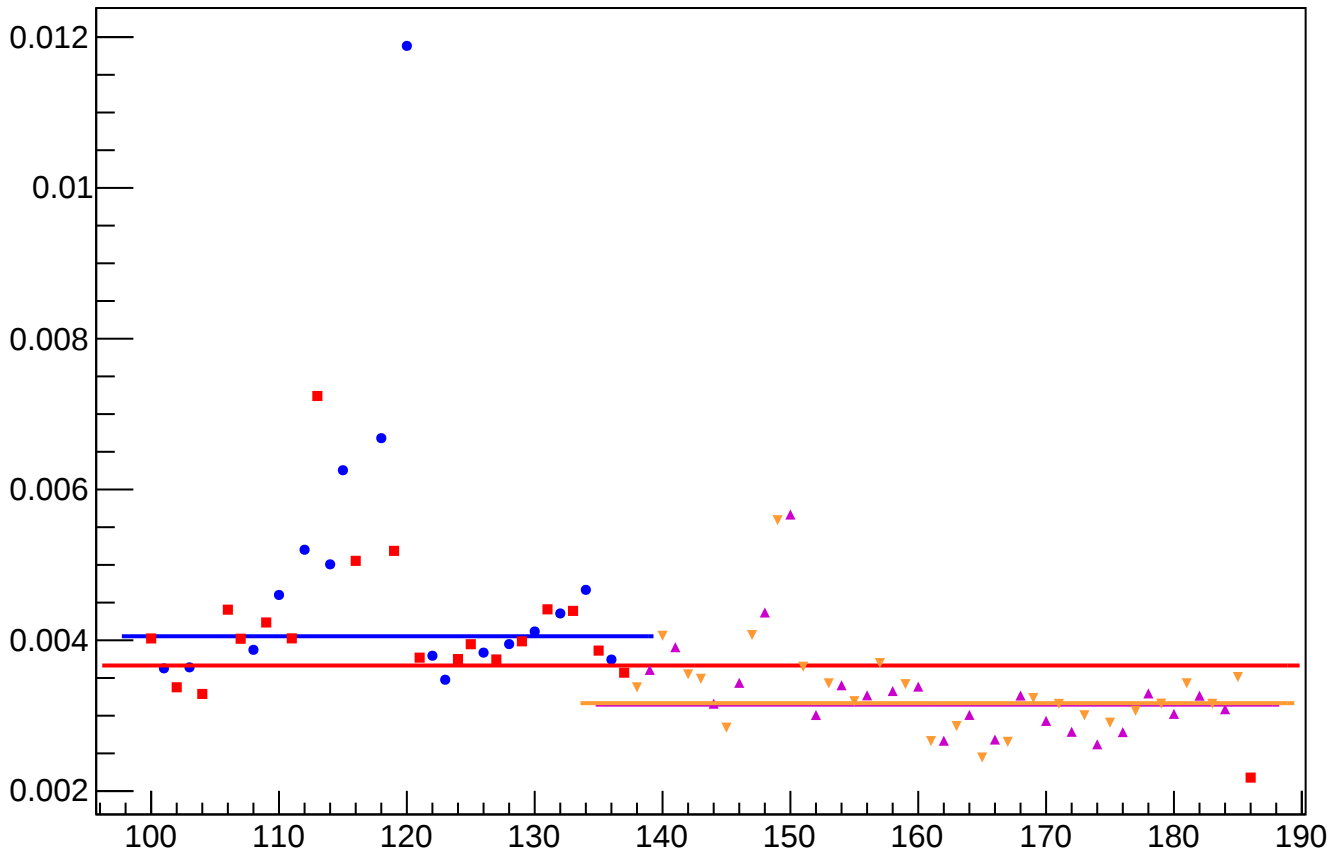
Left In: 0.570 $\pm$ 0.000 χ^2 /NDF: 42104067973.0/22

+ sign 0.524 $\pm$ 0.000 χ^2 /NDF: 65044294293.1/41

All: 0.493 $\pm$ 0.000 χ^2 /NDF: 326706223193.9

- sign 0.463 $\pm$ 0.000 χ^2 /NDF: 258024932060.3/42

yield_bpm0i07Y_rms vs Slug



Right In: 0.004 ± 0.000 χ^2/NDF : 453717.7/16

Left Out: 0.003 ± 0.000 χ^2/NDF : 744886.7/24

Right Out: 0.004 ± 0.000 χ^2/NDF : 641899.4/19

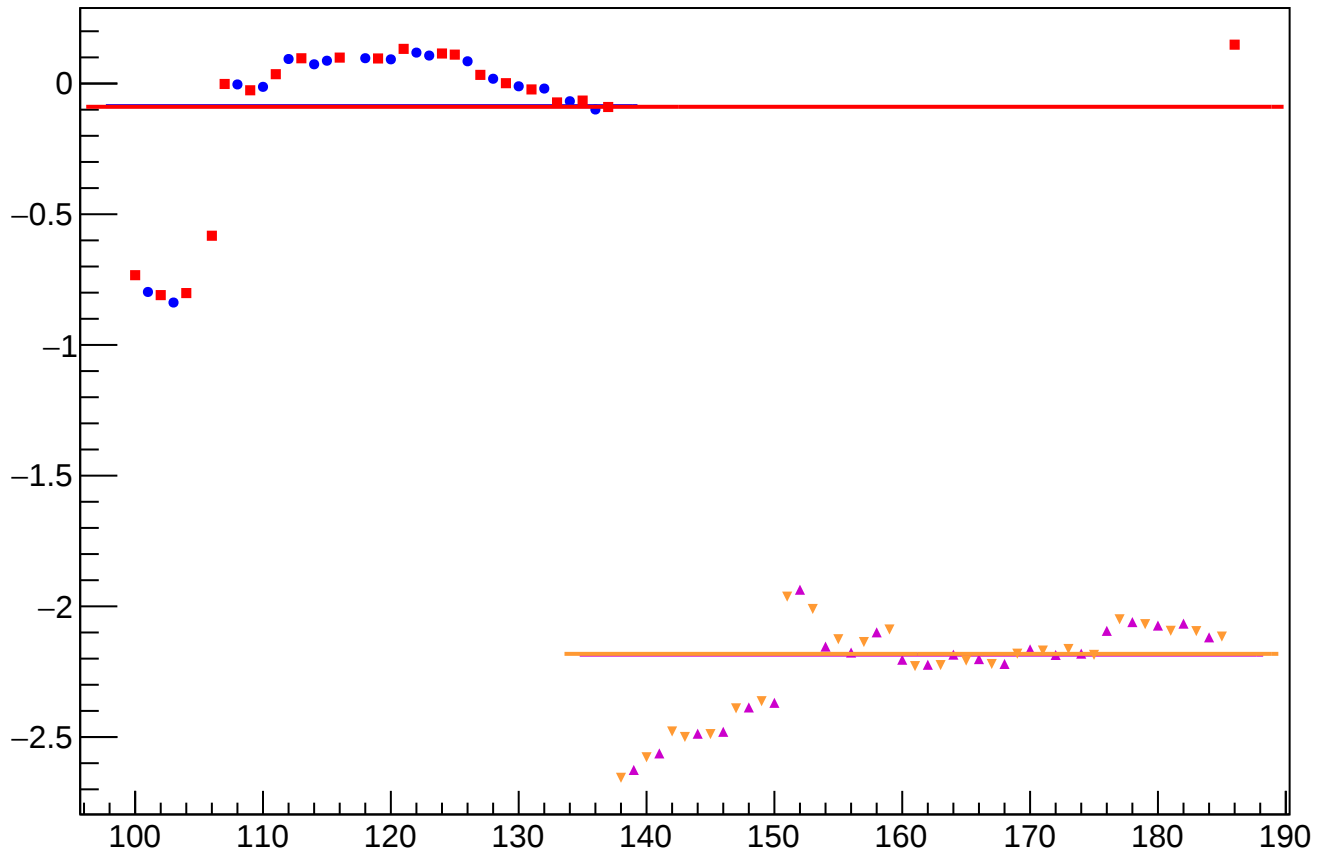
Left In: 0.003 ± 0.000 χ^2/NDF : 716402.8/22

+ sign 0.003 ± 0.000 χ^2/NDF : 1647017.2/41

All: 0.003 ± 0.000 χ^2/NDF : 3204840.6/84

- sign 0.003 ± 0.000 χ^2/NDF : 1551488.6/42

yield_bpm1i02X_mean vs Slug



Right In: -0.086 ± 0.000 χ^2/NDF : 4986216359.8/16

Left Out: -2.182 ± 0.000 χ^2/NDF : 4008829567.0/24

Right Out: -0.089 ± 0.000 χ^2/NDF : 5774327081.9/19

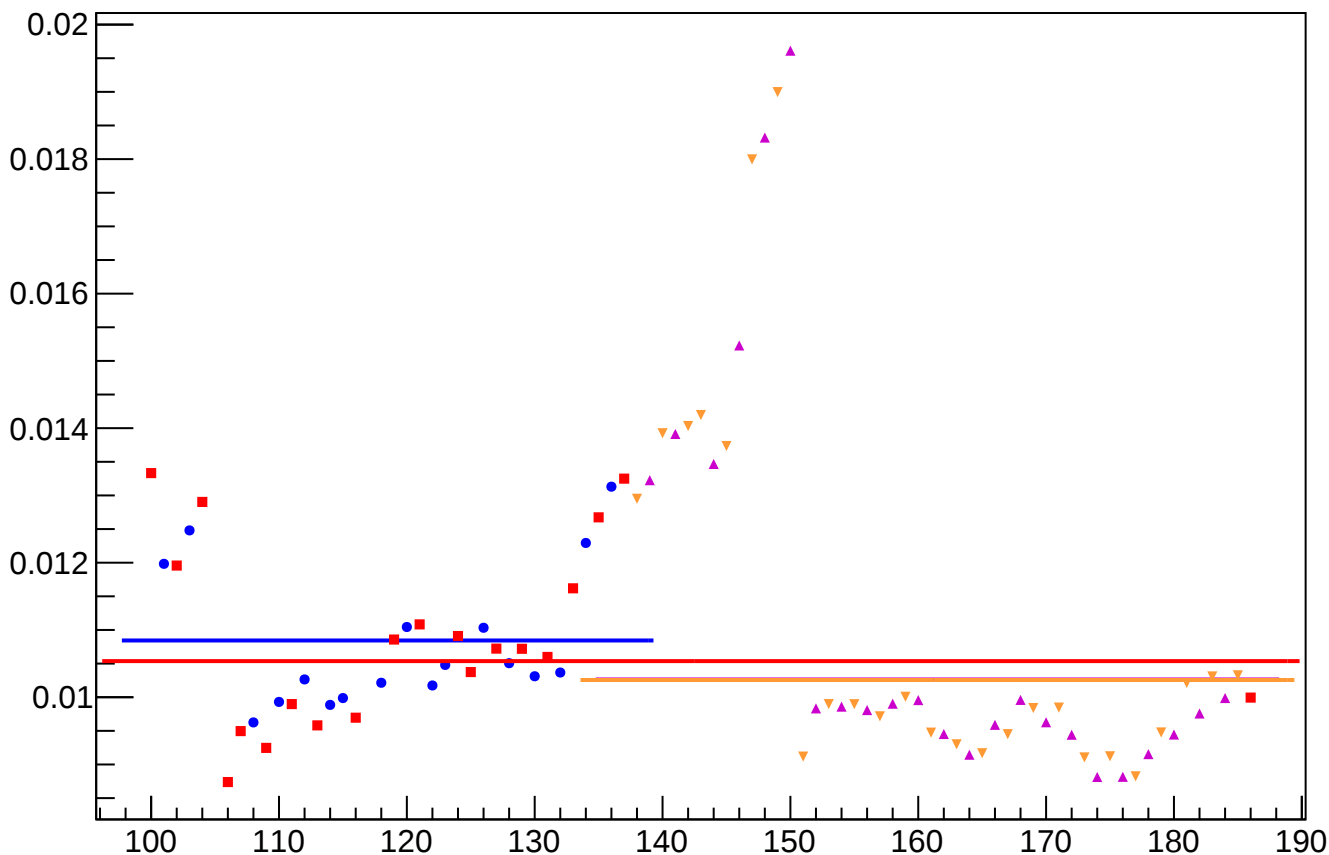
Left In: -2.185 ± 0.000 χ^2/NDF : 3372742534.3/22

+ sign -1.656 ± 0.000 χ^2/NDF : 193952661847.0/41

All: -1.609 ± 0.000 χ^2/NDF : 409116391827.5

- sign -1.563 ± 0.000 χ^2/NDF : 214207045941.1/42

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 :1270617.6/24

Right Out: 0.011+/-0.000 χ^2/NDF : 181126.8/19

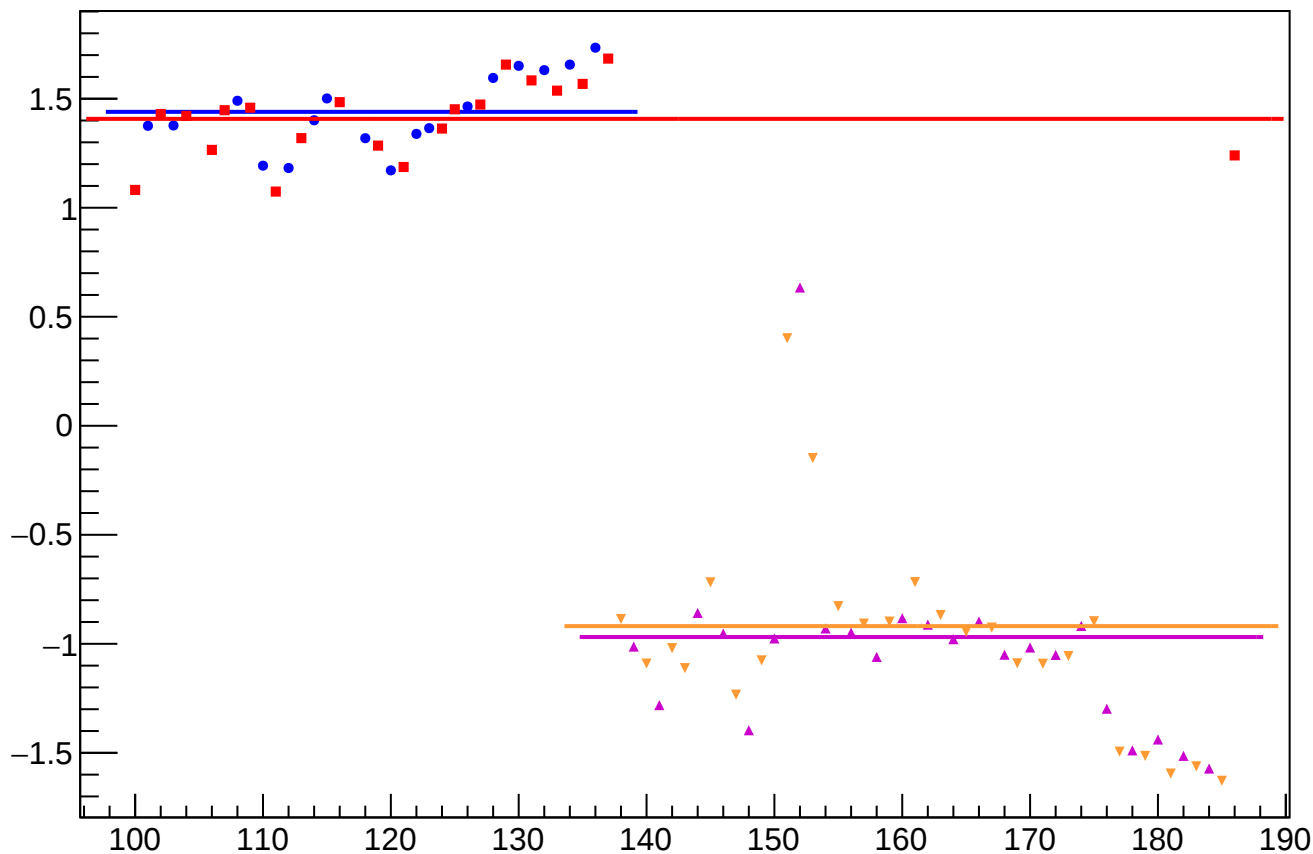
Left In: 0.010+/-0.000 χ^2/NDF :1340264.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 1423891.2/41

All: 0.010+/-0.000 χ^2/NDF : 2952981.0/84

- sign 0.010+/-0.000 χ^2/NDF : 1528327.5/42

yield_bpm1i02Y_mean vs Slug



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3439698839.5/16

Left Out: -0.919 $\pm$ 0.000 χ^2 /NDF: 55622252895.8/24

Right Out: 1.408 $\pm$ 0.000 χ^2 /NDF: 2870792047.3/19

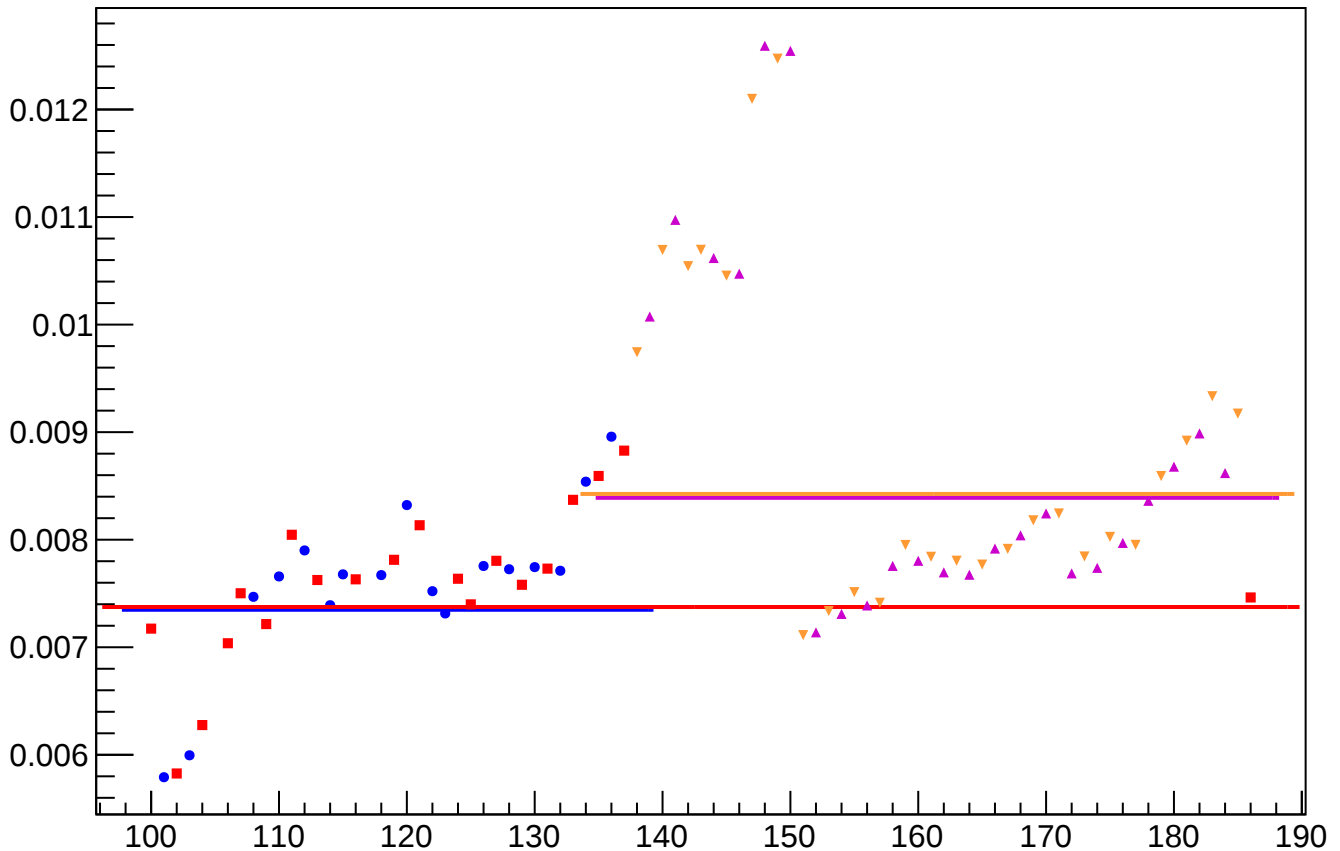
Left In: -0.969 $\pm$ 0.000 χ^2 /NDF: 54895002535.8/22

+ sign -0.152 $\pm$ 0.000 χ^2 /NDF: 515335754056.0/41

All: -0.131 $\pm$ 0.000 χ^2 /NDF: 1062296612418

- sign -0.110 $\pm$ 0.000 χ^2 /NDF: 546635698039.0/42

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 : 792337.0/24

Right Out: 0.007+/-0.000 χ^2/NDF : 172531.0/19

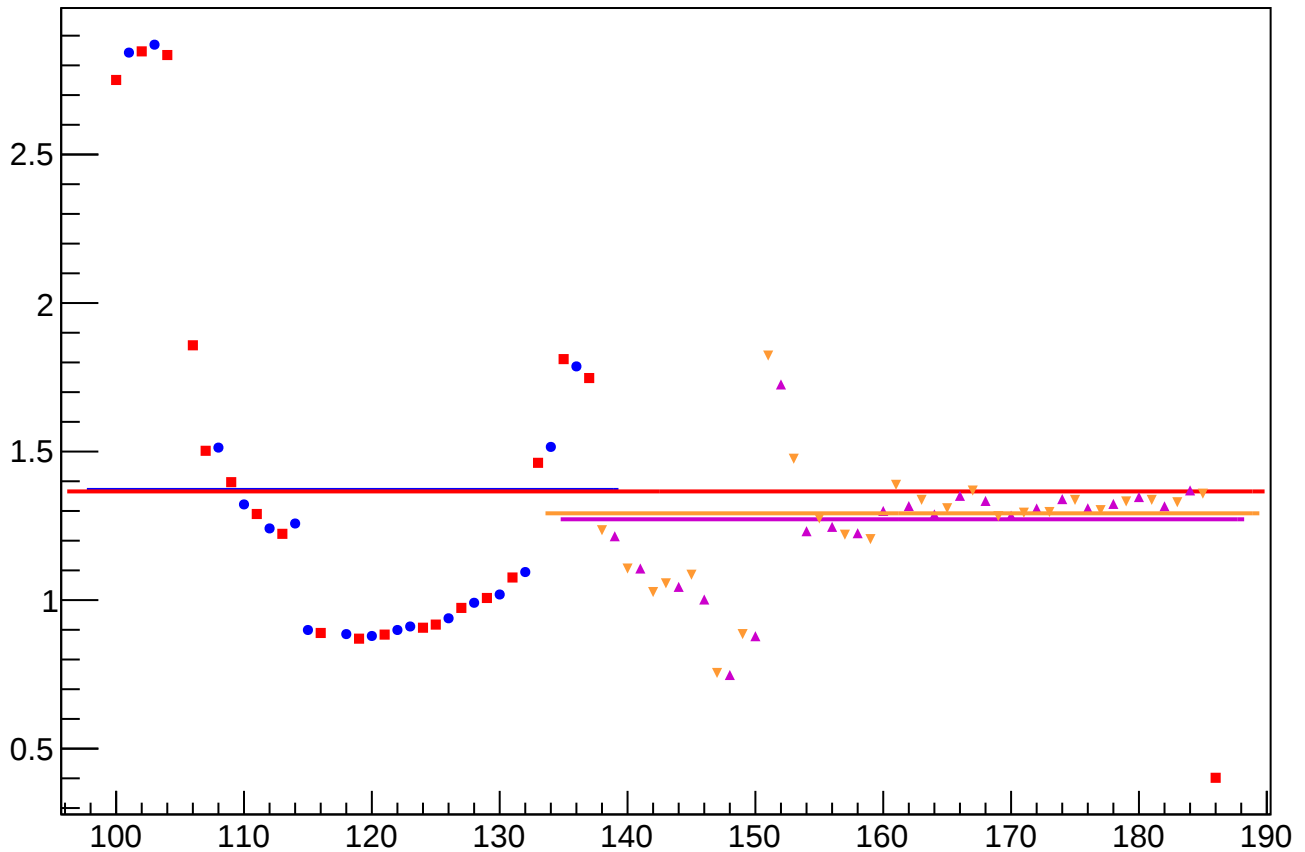
Left In: 0.008+/-0.000 χ^2/NDF : 839880.4/22

+ sign 0.008+/-0.000 χ^2/NDF : 1211235.8/41

All: 0.008+/-0.000 χ^2/NDF : 2403125.2/84

- sign 0.008+/-0.000 χ^2/NDF : 1190849.6/42

yield_bpm1i04X_mean vs Slug



Right In: 1.371 $\pm$ 0.000 χ^2 /NDF: 54119122912.8/16

Left Out: 1.292 $\pm$ 0.000 χ^2 /NDF: 9305298695.5/24

Right Out: 1.366 $\pm$ 0.000 χ^2 /NDF: 53382083391.8/19

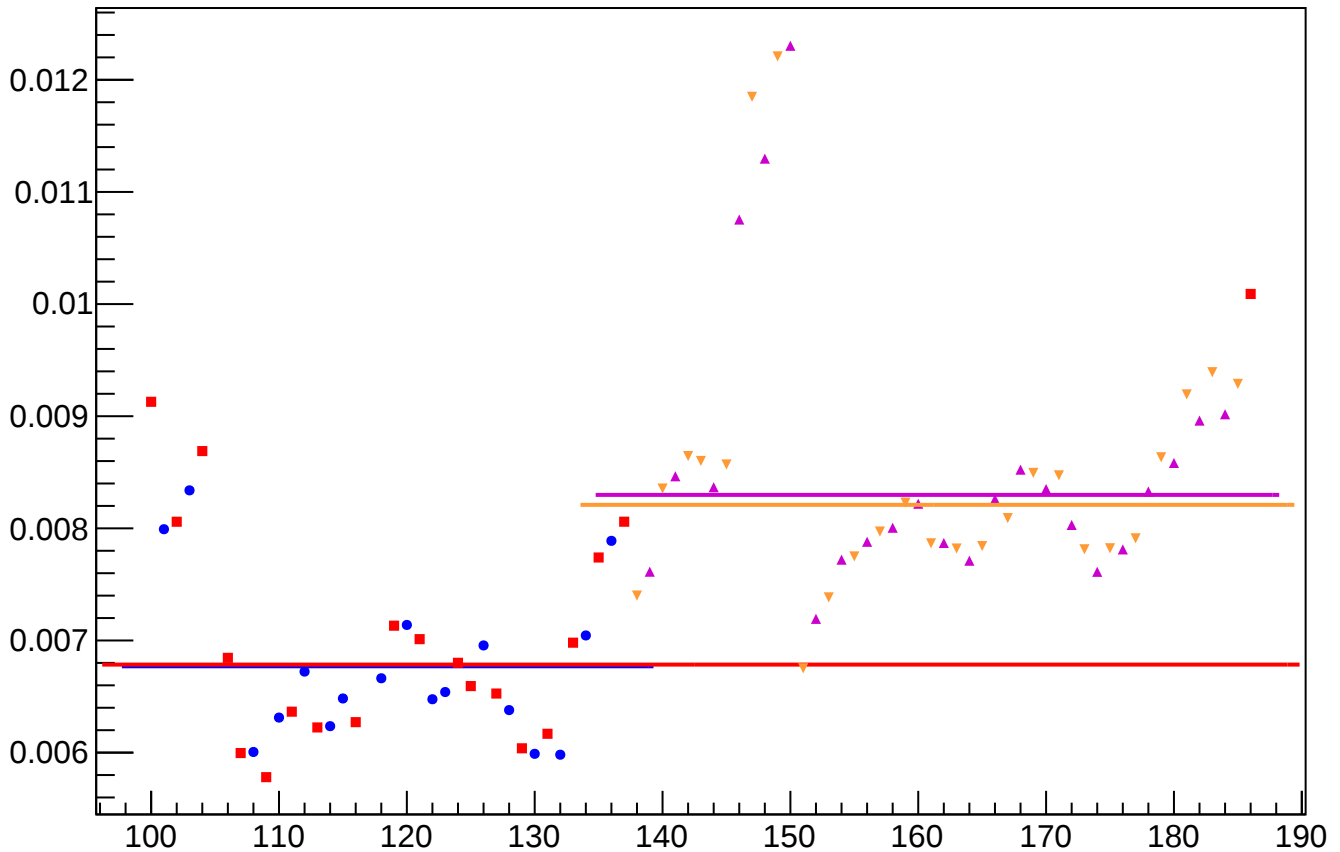
Left In: 1.272 $\pm$ 0.000 χ^2 /NDF: 7573930981.2/22

+ sign 1.320 $\pm$ 0.000 χ^2 /NDF: 64000119756.3/41

All: 1.315 $\pm$ 0.000 χ^2 /NDF: 125826542305.3

- sign 1.309 $\pm$ 0.000 χ^2 /NDF: 61802444009.6/42

yield_bpm1i04X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 158743.1/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 478864.9/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 272698.6/19

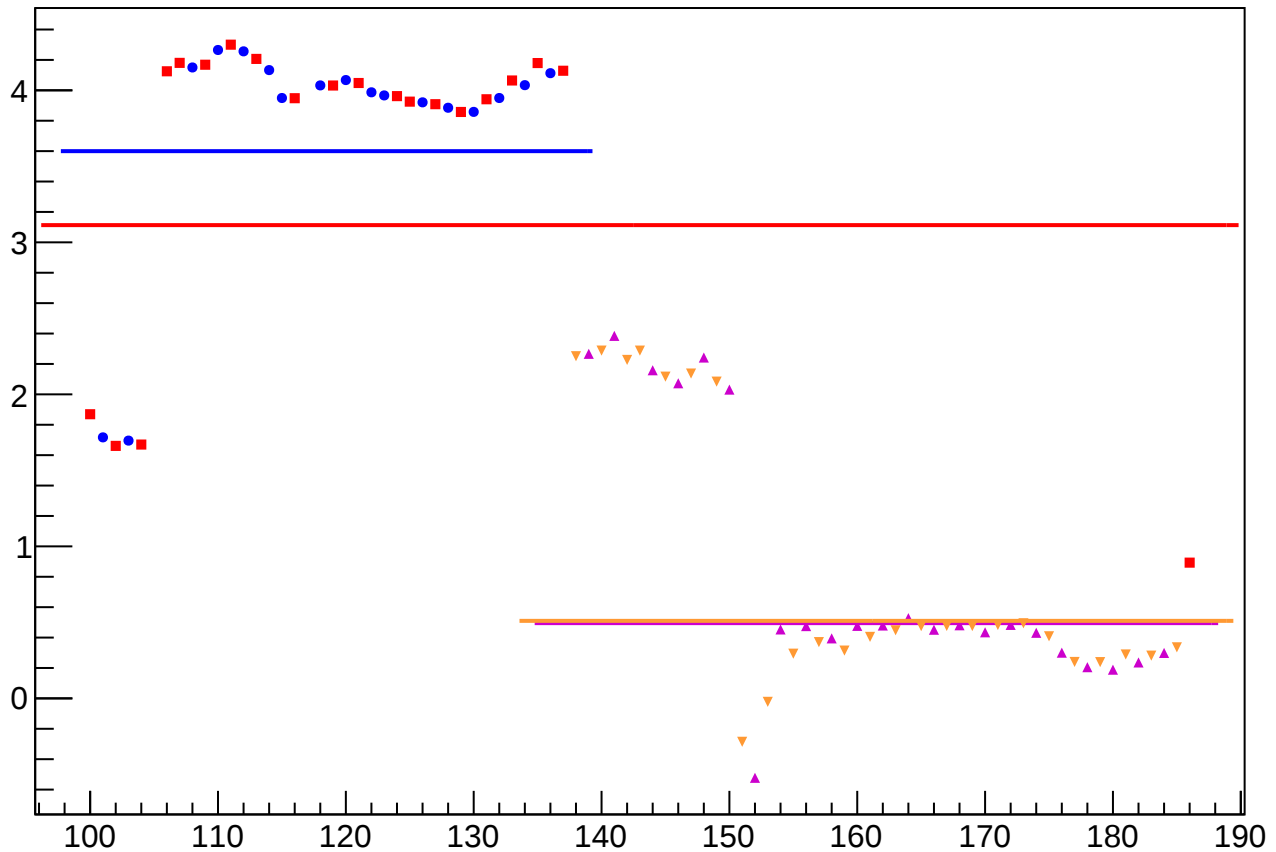
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 462022.1/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1022959.9/41

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2198174.6/84

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1175214.7/42

yield_bpm1i04Y_mean vs Slug



Right In: 3.600 $\pm$ 0.000 χ^2 /NDF: 185703271625.0/16

Left Out: 0.510 $\pm$ 0.000 χ^2 /NDF: 274818814912.4/24

Right Out: 3.113 $\pm$ 0.000 χ^2 /NDF: 538638826481.5/19

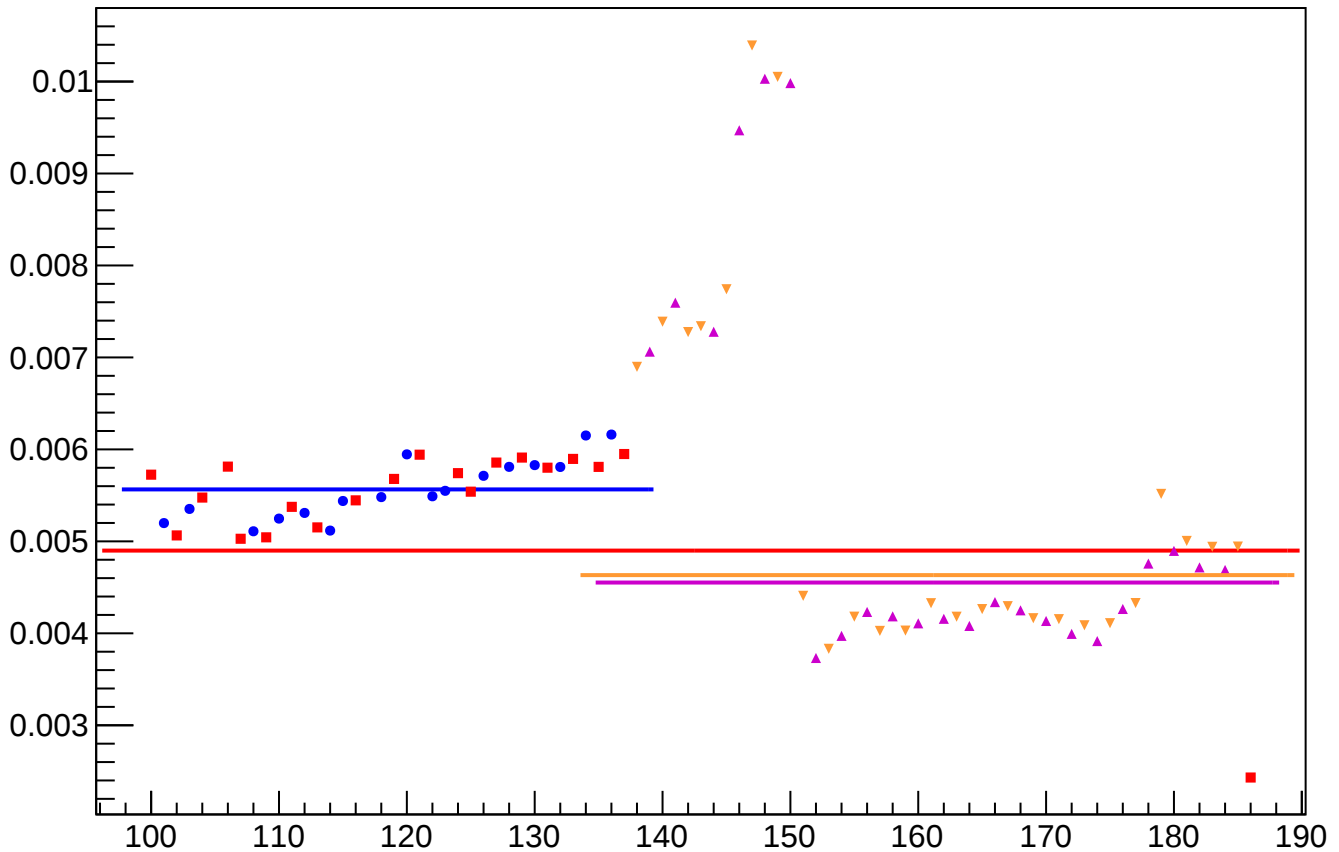
Left In: 0.495 $\pm$ 0.000 χ^2 /NDF: 268863202792.4/22

+ sign 1.180 $\pm$ 0.000 χ^2 /NDF: 2068722283043.1/41

All: 1.196 $\pm$ 0.000 χ^2 /NDF: 4295971727683.

- sign 1.210 $\pm$ 0.000 χ^2 /NDF: 2226787051452.9/42

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 : 2114007.7/24

Right Out: 0.005+/-0.000 χ^2/NDF : 907610.4/19

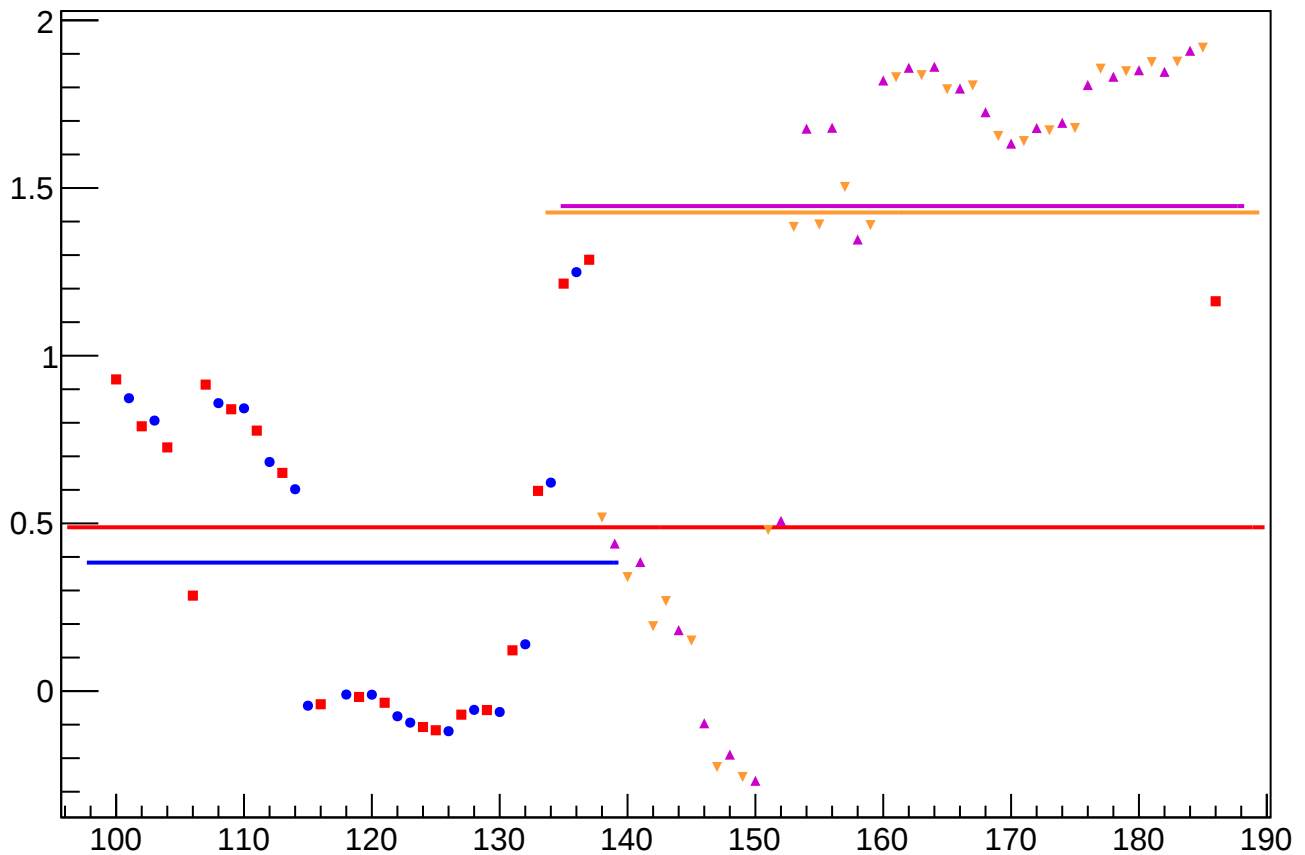
Left In: 0.005+/-0.000 χ^2/NDF : 2237666.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 2454668.4/41

All: 0.005+/-0.000 χ^2/NDF : 5685856.3/84

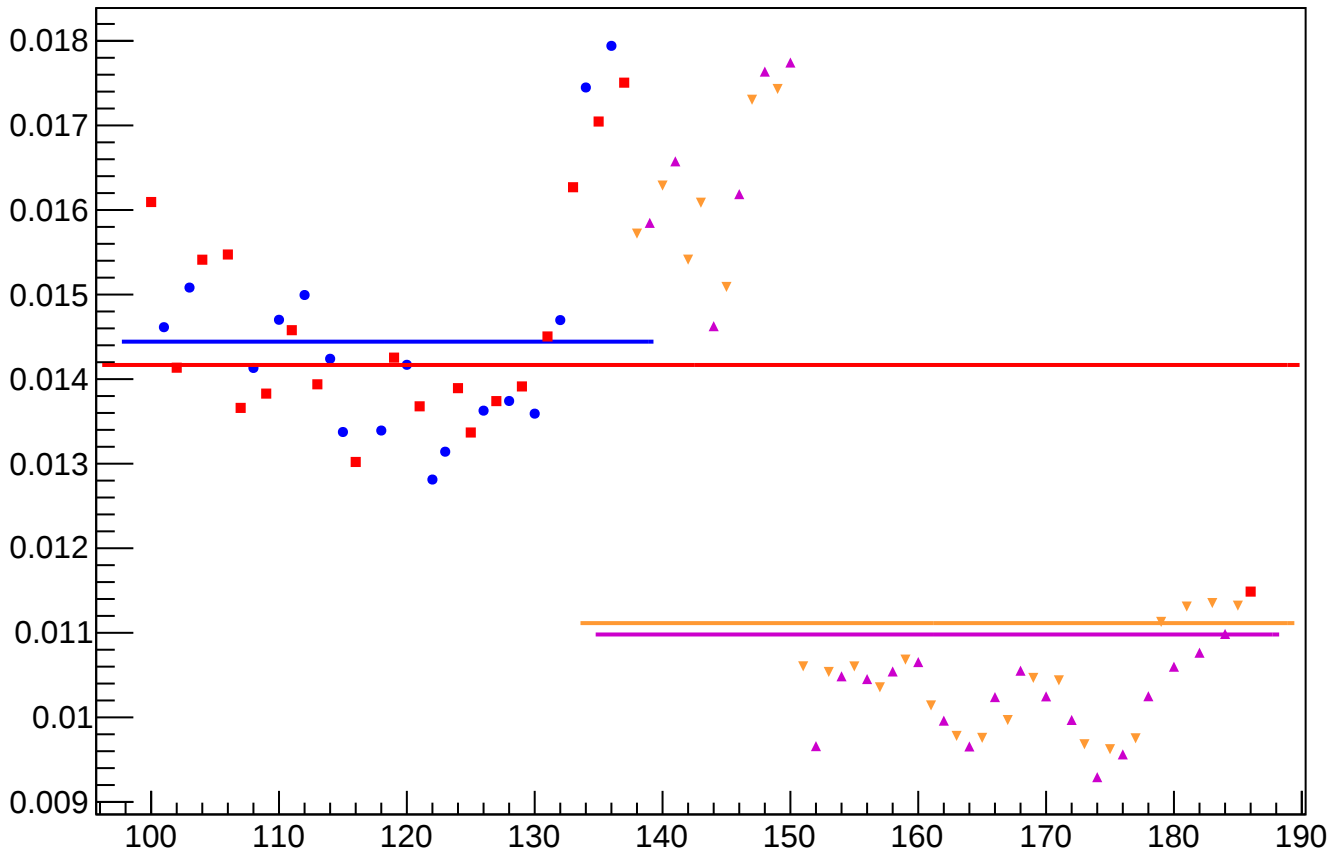
- sign 0.005+/-0.000 χ^2/NDF : 3195254.1/42

yield_bpm1i06X_mean vs Slug



Right In: 0.383+/-0.000	χ^2/NDF : 7098148199.8/16	+ sign 1.237+/-0.000	χ^2/NDF : 85291438750.1/41
Left Out: 1.427+/-0.000	χ^2/NDF : 49990787038.3/24	All: 1.242+/-0.000	χ^2/NDF : 173391636731.2
Right Out: 0.488+/-0.000	χ^2/NDF : 8043255102.8/19	- sign 1.246+/-0.000	χ^2/NDF : 88092791129.5/42
Left In: 1.446+/-0.000	χ^2/NDF : 53752493130.3/22		

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:1227493.2/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 118170.0/19

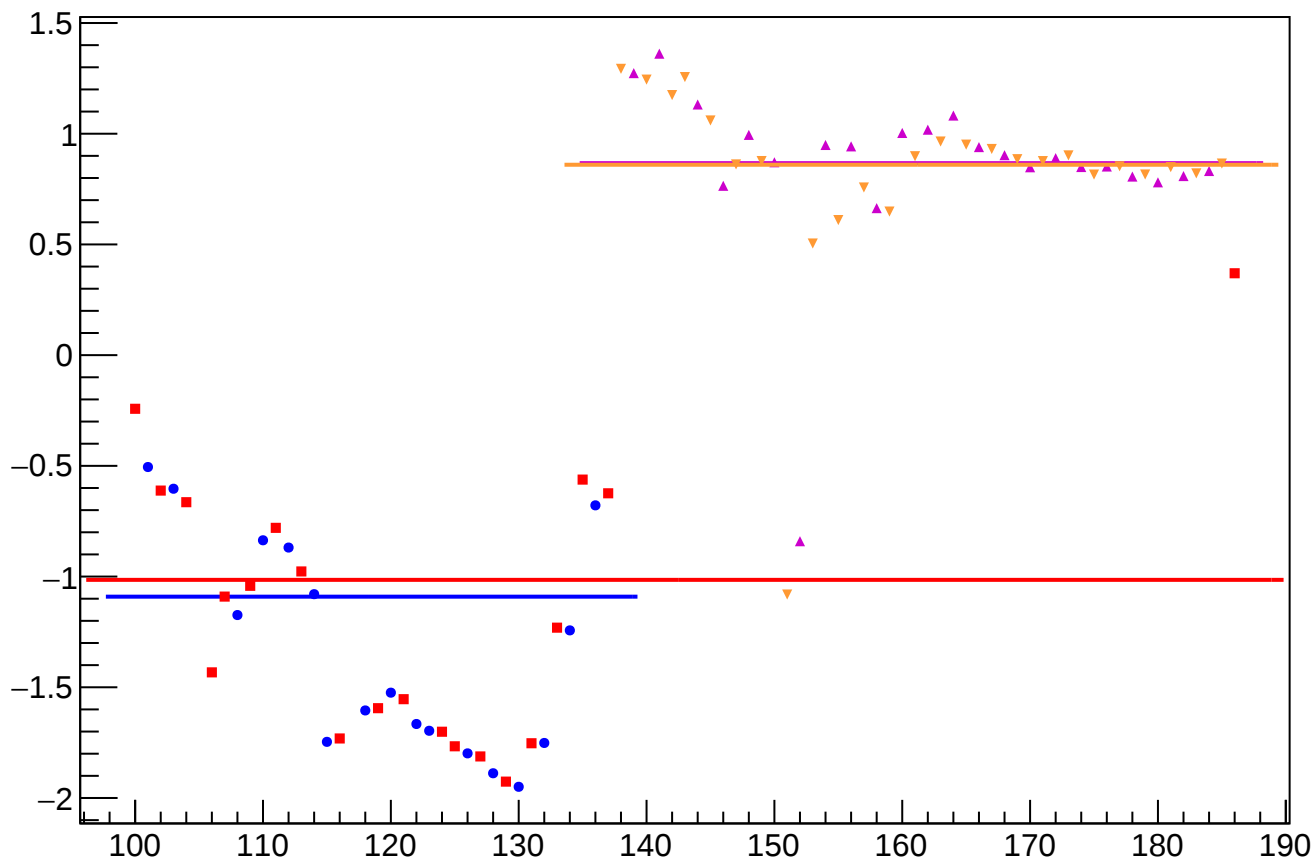
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:1264827.0/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1910370.4/41

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 3876805.9/84

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1965456.8/42

yield_bpm1i06Y_mean vs Slug



Right In: -1.091+/-0.000 χ^2/NDF : 55542430282.4/16

Left Out: 0.860+/-0.000 χ^2/NDF : 126335891175.4/24

Right Out: -1.015+/-0.000 χ^2/NDF : 61847574704.9/19

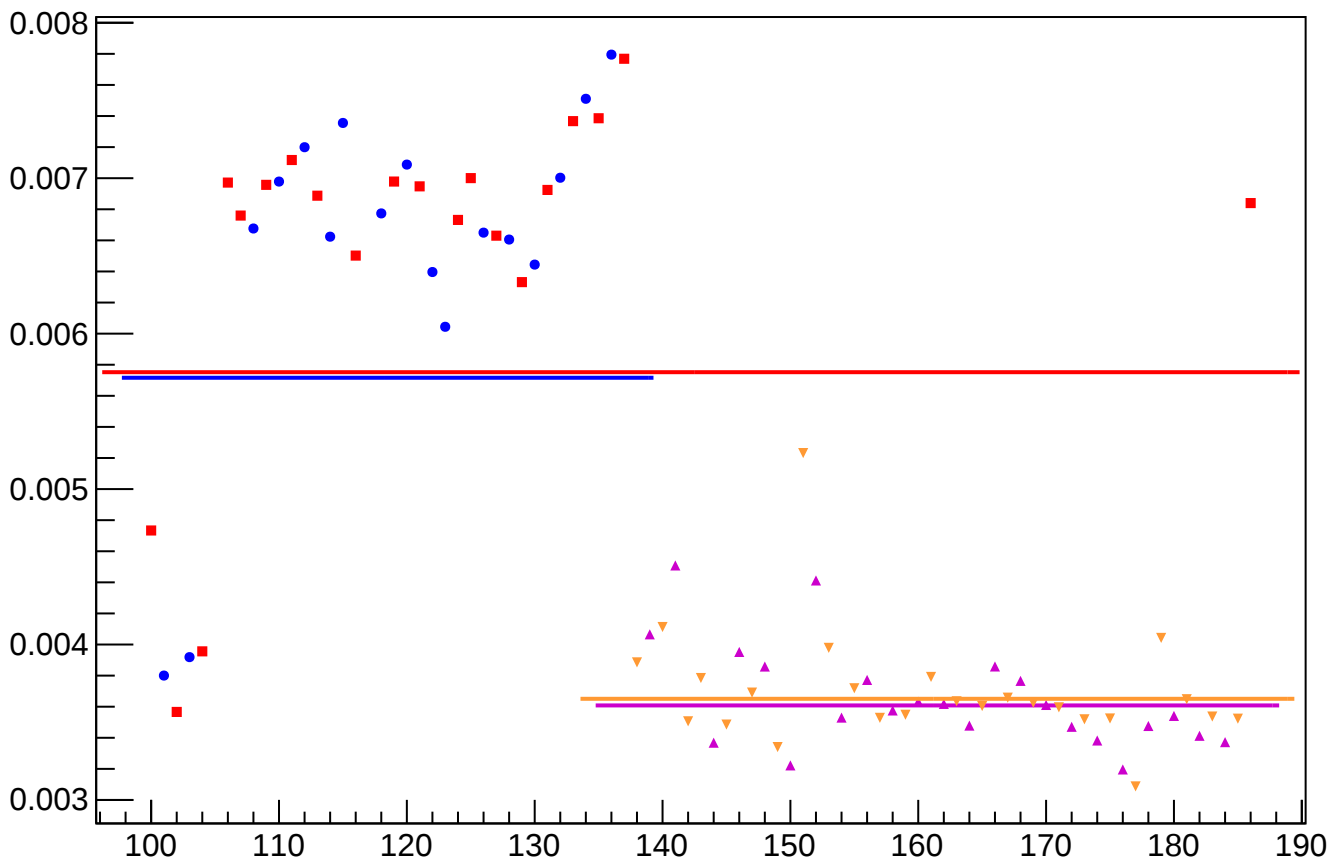
Left In: 0.867+/-0.000 χ^2/NDF : 147039402944.6/22

+ sign 0.614+/-0.000 χ^2/NDF : 783520149306.5/41

All: 0.609+/-0.000 χ^2/NDF : 1589909816789.

- sign 0.604+/-0.000 χ^2/NDF : 806324009089.5/42

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 837929.9/16

Left Out: 0.004+/-0.000 χ^2/NDF : 237262.6/24

Right Out: 0.006+/-0.000 χ^2/NDF : 940009.4/19

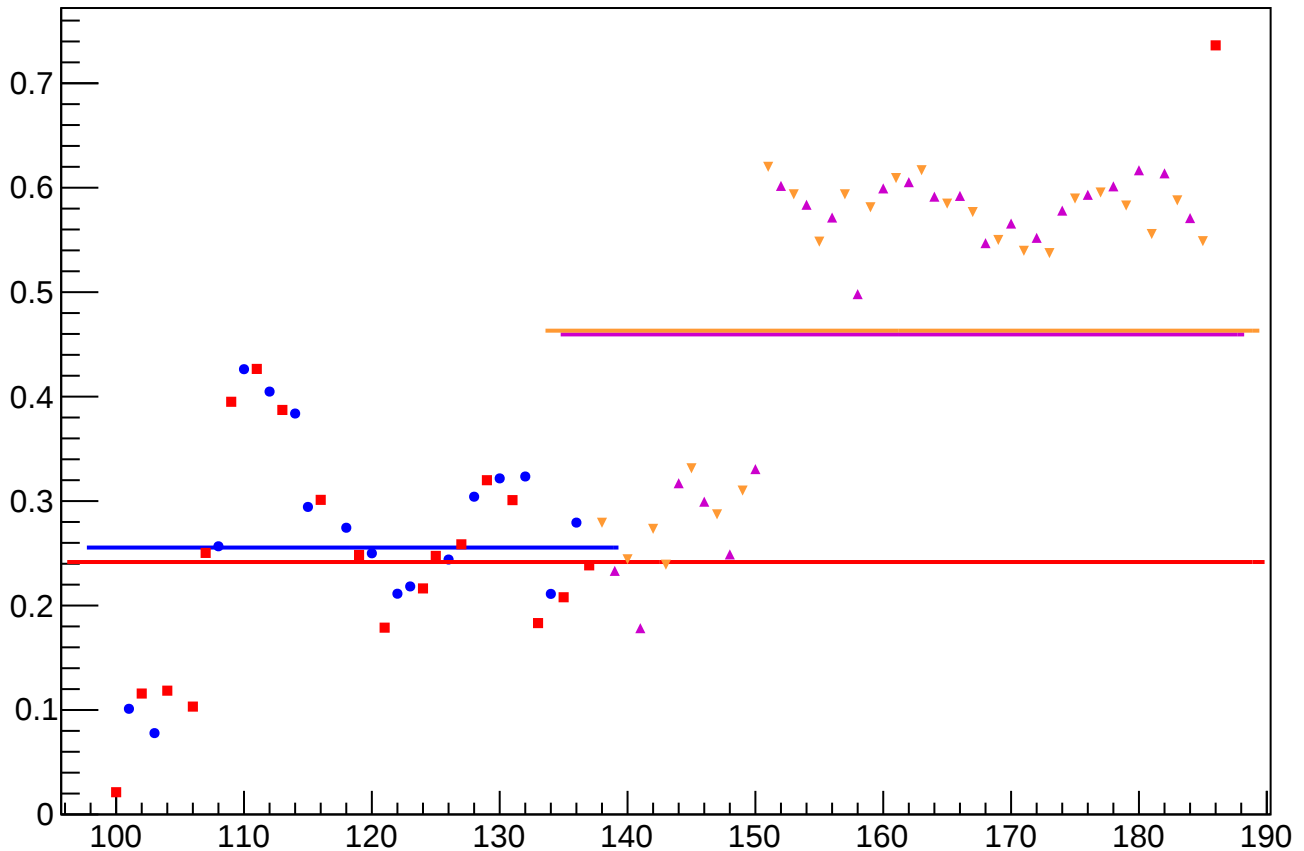
Left In: 0.004+/-0.000 χ^2/NDF : 227861.4/22

+ sign 0.004+/-0.000 χ^2/NDF : 2424238.0/41

All: 0.004+/-0.000 χ^2/NDF : 5142540.0/84

- sign 0.004+/-0.000 χ^2/NDF : 2718283.2/42

yield_bpm2i01X_mean vs Slug



Right In: 0.256+/-0.000 χ^2/NDF : 21303879000.5/16

Left Out: 0.463+/-0.000 χ^2/NDF : 102506270538.7/24

Right Out: 0.242+/-0.000 χ^2/NDF : 31758588130.7/19

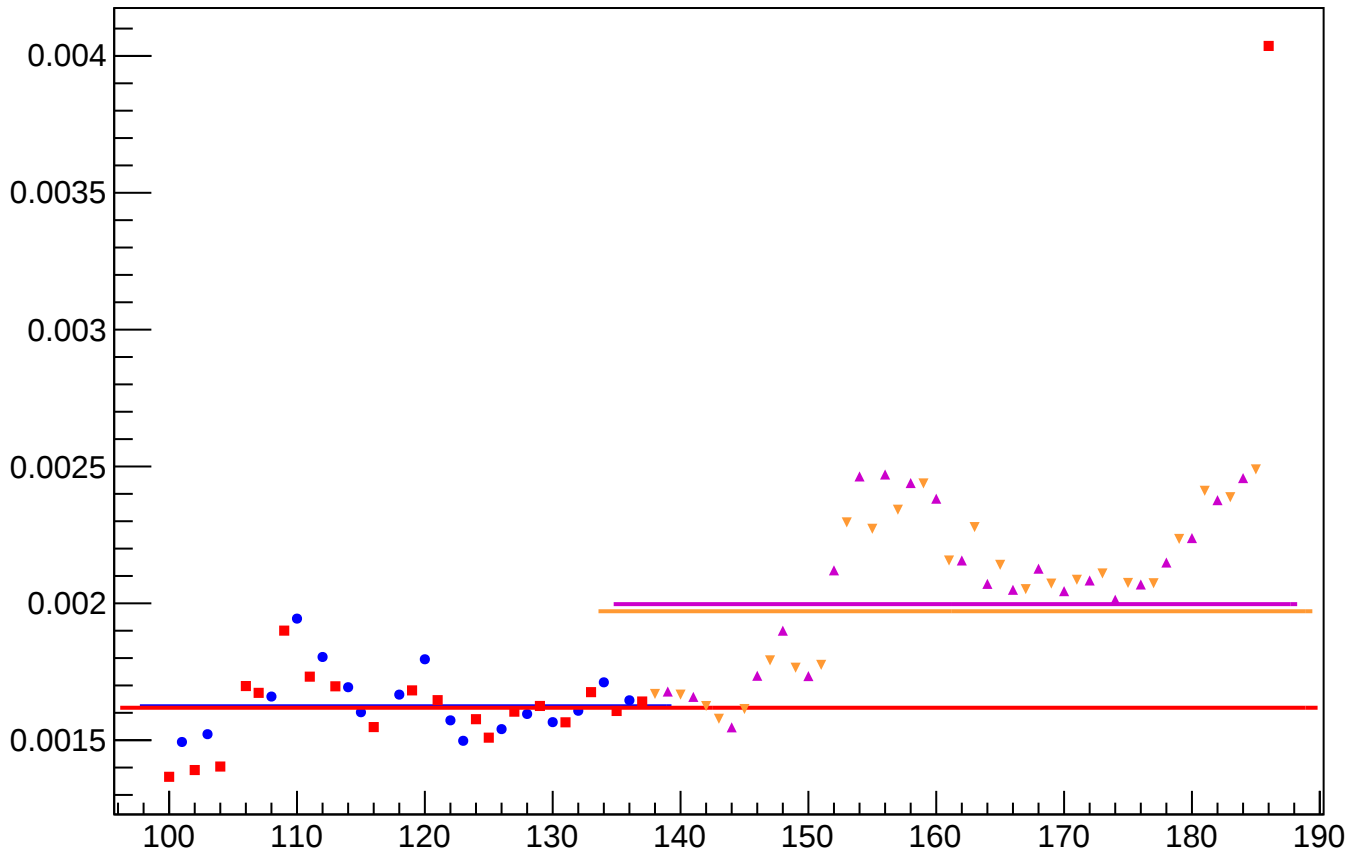
Left In: 0.460+/-0.000 χ^2/NDF : 104559088628.4/22

+ sign 0.391+/-0.000 χ^2/NDF : 192438456384.9/41

All: 0.383+/-0.000 χ^2/NDF : 408575839731.6

- sign 0.374+/-0.000 χ^2/NDF : 215050850607.9/42

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 : 730203.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 363555.5/19

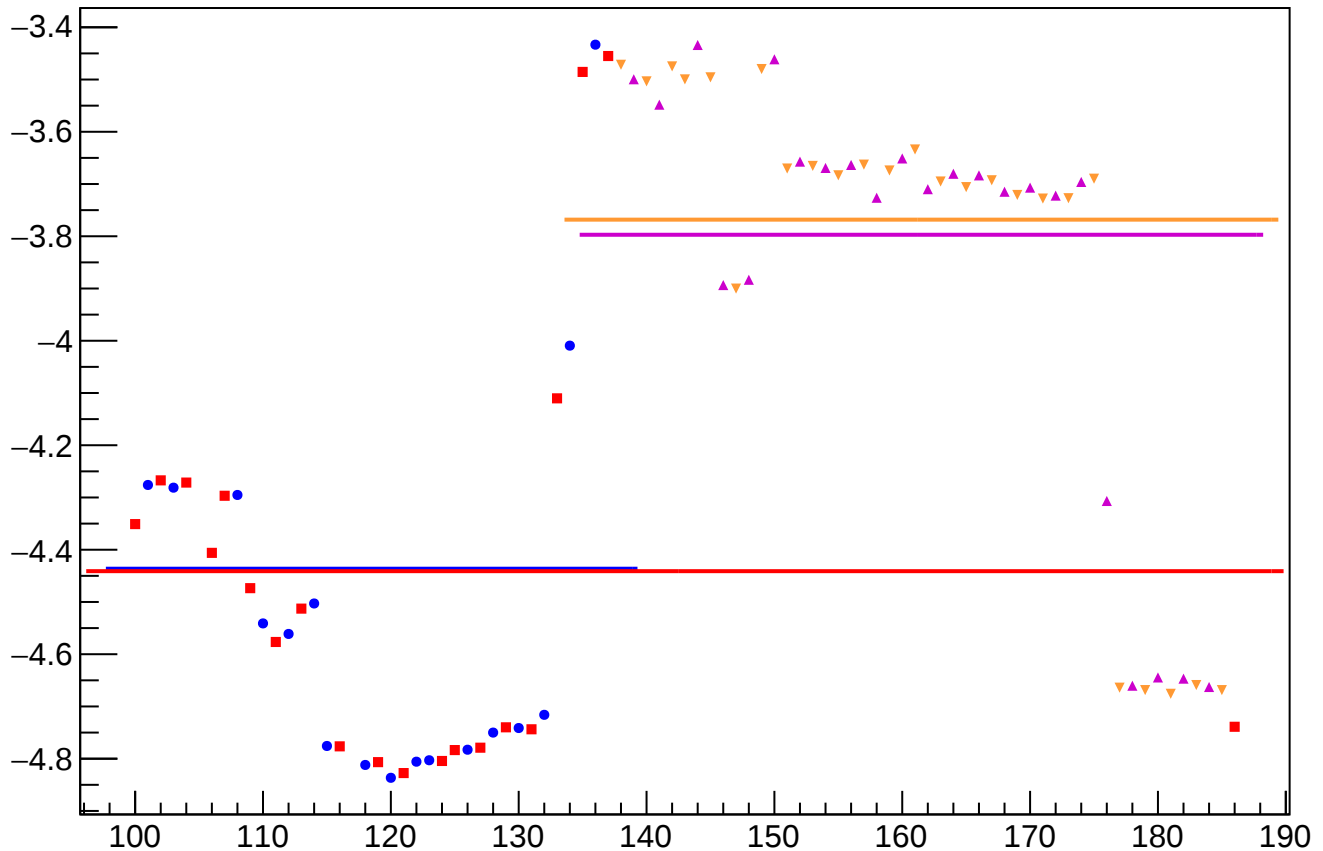
Left In: 0.002+/-0.000 χ^2/NDF : 666404.2/22

+ sign 0.002+/-0.000 χ^2/NDF : 1166300.3/41

All: 0.002+/-0.000 χ^2/NDF : 2671677.5/84

- sign 0.002+/-0.000 χ^2/NDF : 1505310.3/42

yield_bpm2i01Y_mean vs Slug



Right In: -4.436+/-0.000 χ^2/NDF : 392479534987.2/16

Left Out: -3.768+/-0.000 χ^2/NDF : 516780173940.8/24

Right Out: -4.441+/-0.000 χ^2/NDF : 328276371518.5/19

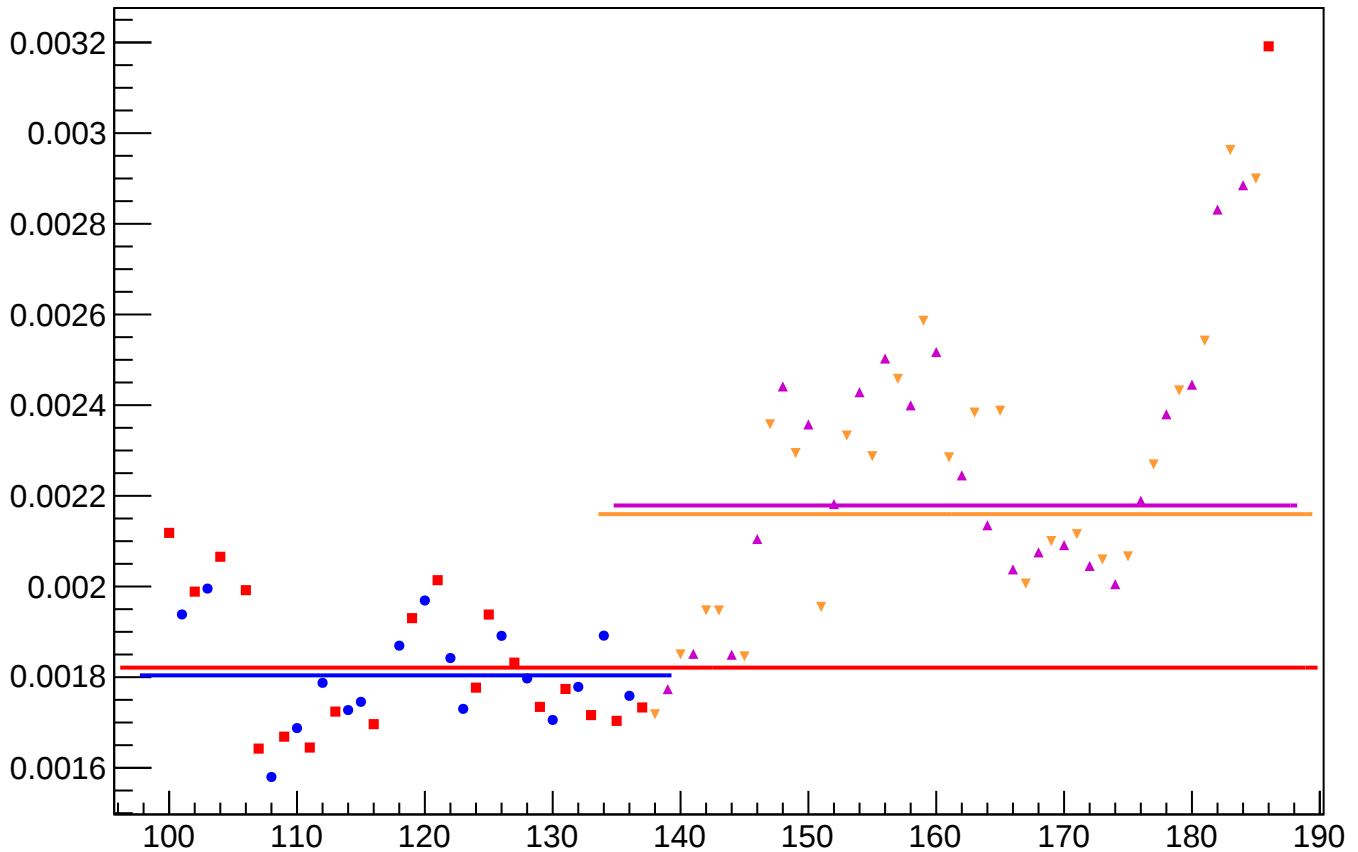
Left In: -3.797+/-0.000 χ^2/NDF : 444886272608.9/22

+ sign -3.998+/-0.000 χ^2/NDF : 1493506214113.3/4

All: -4.019+/-0.000 χ^2/NDF : 2828568970401

- sign -4.041+/-0.000 χ^2/NDF : 1329722440820.2/4

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 48060.2/16

Left Out: 0.002+/-0.000 χ^2/NDF :547831.5/24

Right Out: 0.002+/-0.000 χ^2/NDF : 221843.5/19

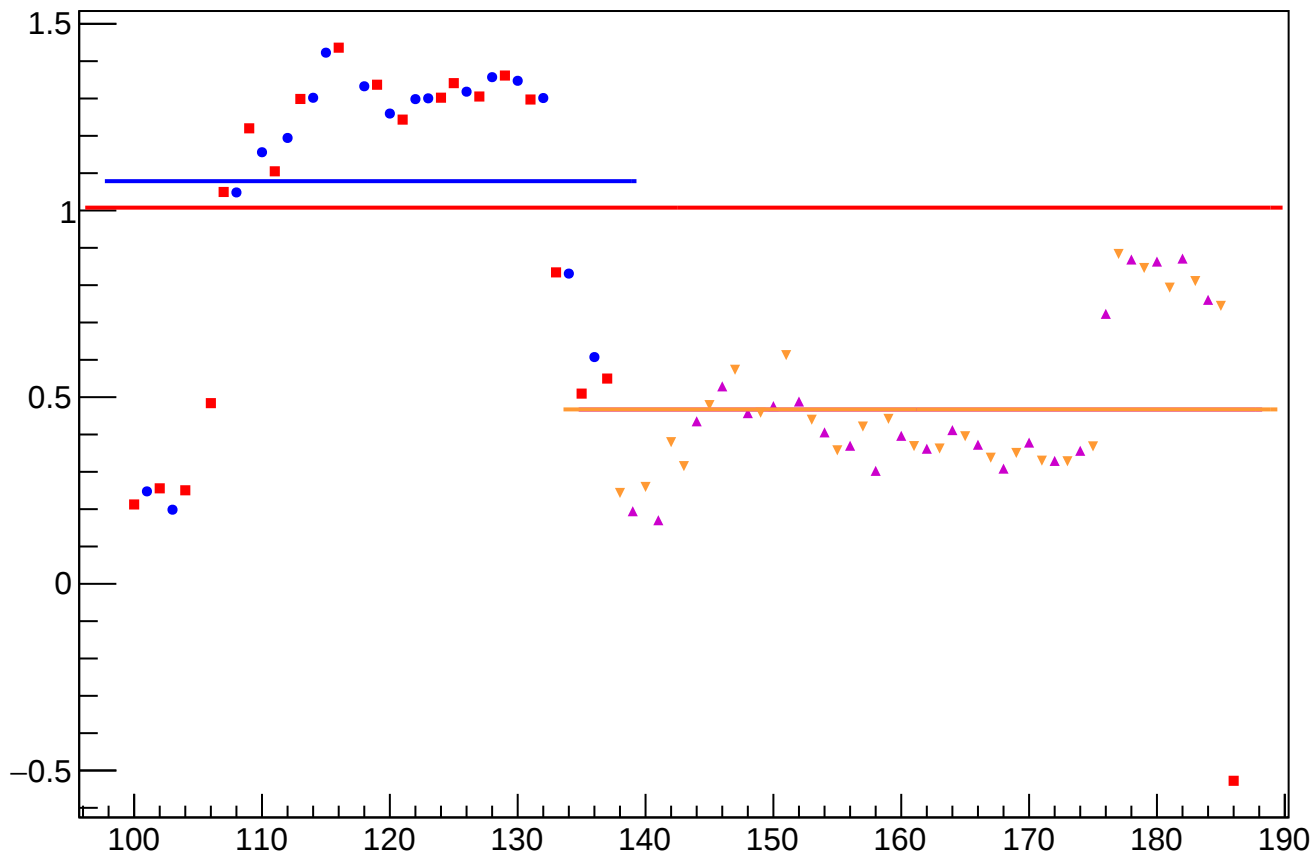
Left In: 0.002+/-0.000 χ^2/NDF :463279.7/22

+ sign 0.002+/-0.000 χ^2/NDF : 926929.0/41

All: 0.002+/-0.000 χ^2/NDF : 1955646.4/84

- sign 0.002+/-0.000 χ^2/NDF : 1028516.1/42

yield_bpm2i02X_mean vs Slug



Right In: 1.079 $\pm$ 0.000 χ^2 /NDF: 17504335724.9/16

Left Out: 0.467 $\pm$ 0.000 χ^2 /NDF: 7359344143.3/24

Right Out: 1.008 $\pm$ 0.000 χ^2 /NDF: 28013165028.5/19

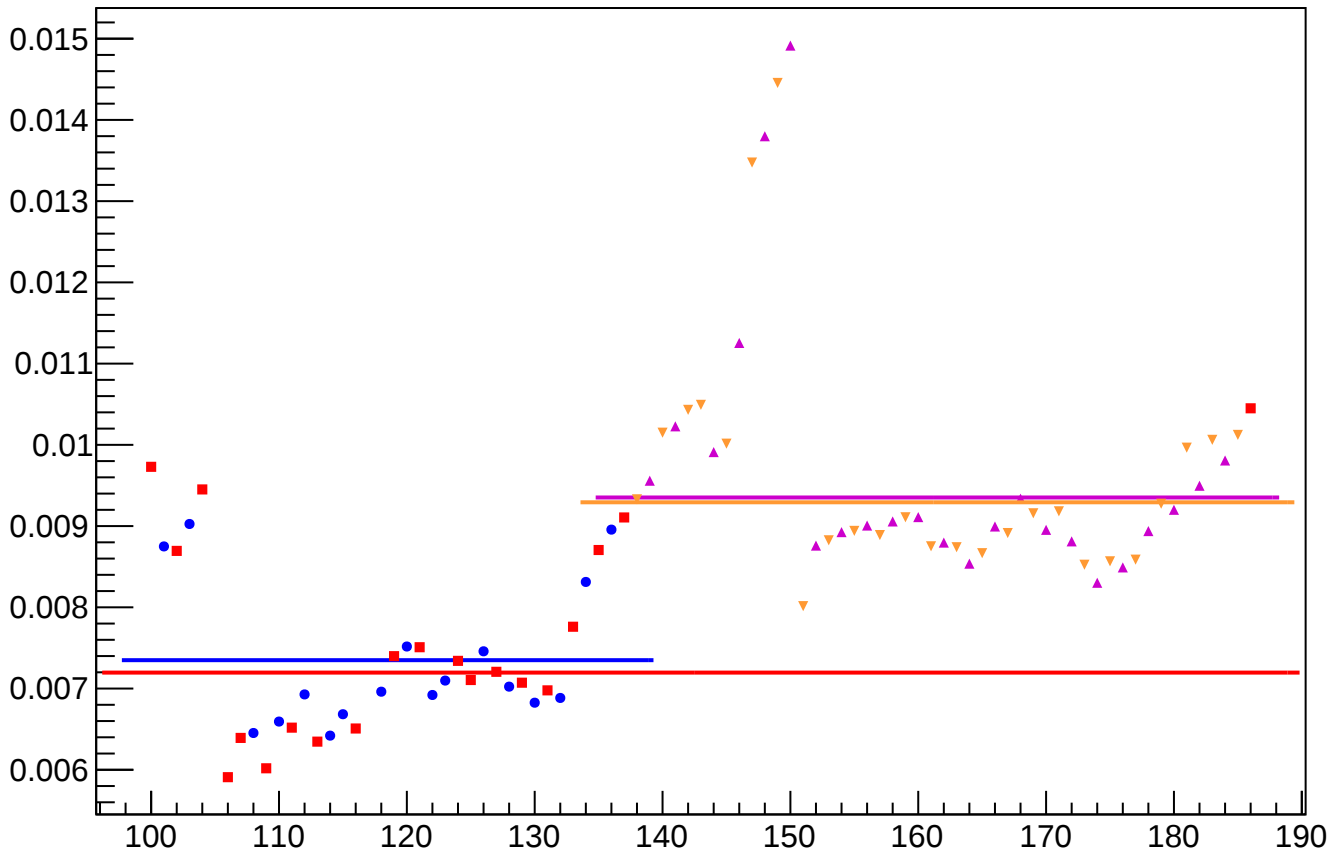
Left In: 0.467 $\pm$ 0.000 χ^2 /NDF: 8036741308.0/22

+ sign 0.693 $\pm$ 0.000 χ^2 /NDF: 53642358290.4/41

All: 0.693 $\pm$ 0.000 χ^2 /NDF: 113577322841.1

- sign 0.694 $\pm$ 0.000 χ^2 /NDF: 59934495071.9/42

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 : 528279.5/24

Right Out: 0.007+/-0.000 χ^2/NDF : 334424.8/19

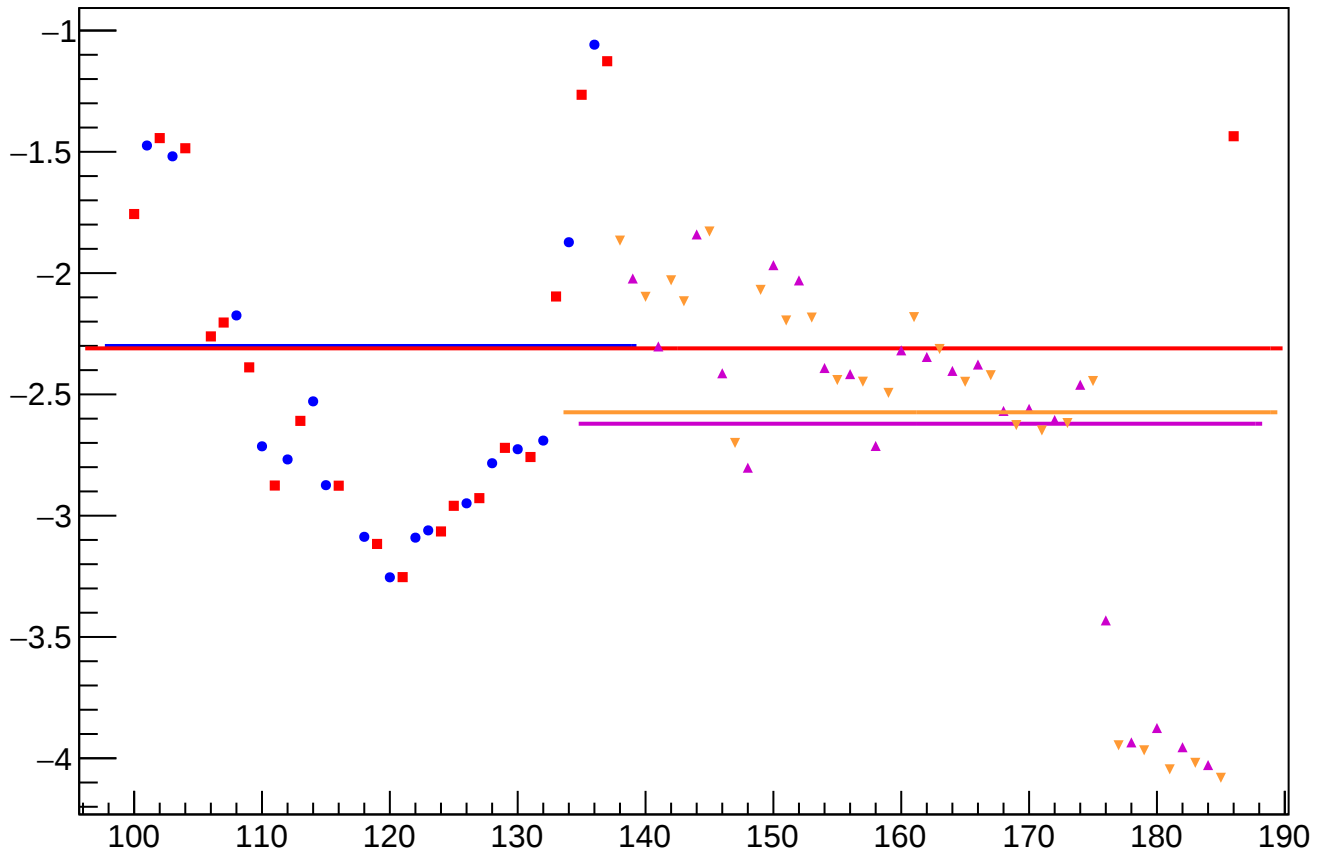
Left In: 0.009+/-0.000 χ^2/NDF : 557555.2/22

+ sign 0.009+/-0.000 χ^2/NDF : 1290737.2/41

All: 0.009+/-0.000 χ^2/NDF : 2947164.7/84

- sign 0.008+/-0.000 χ^2/NDF : 1650730.0/42

yield_bpm2i02Y_mean vs Slug



Right In: -2.300+/-0.000 χ^2/NDF : 73601400403.2/16

Left Out: -2.574+/-0.000 χ^2/NDF : 99176112704.9/24

Right Out: -2.310+/-0.000 χ^2/NDF : 67572619948.1/19

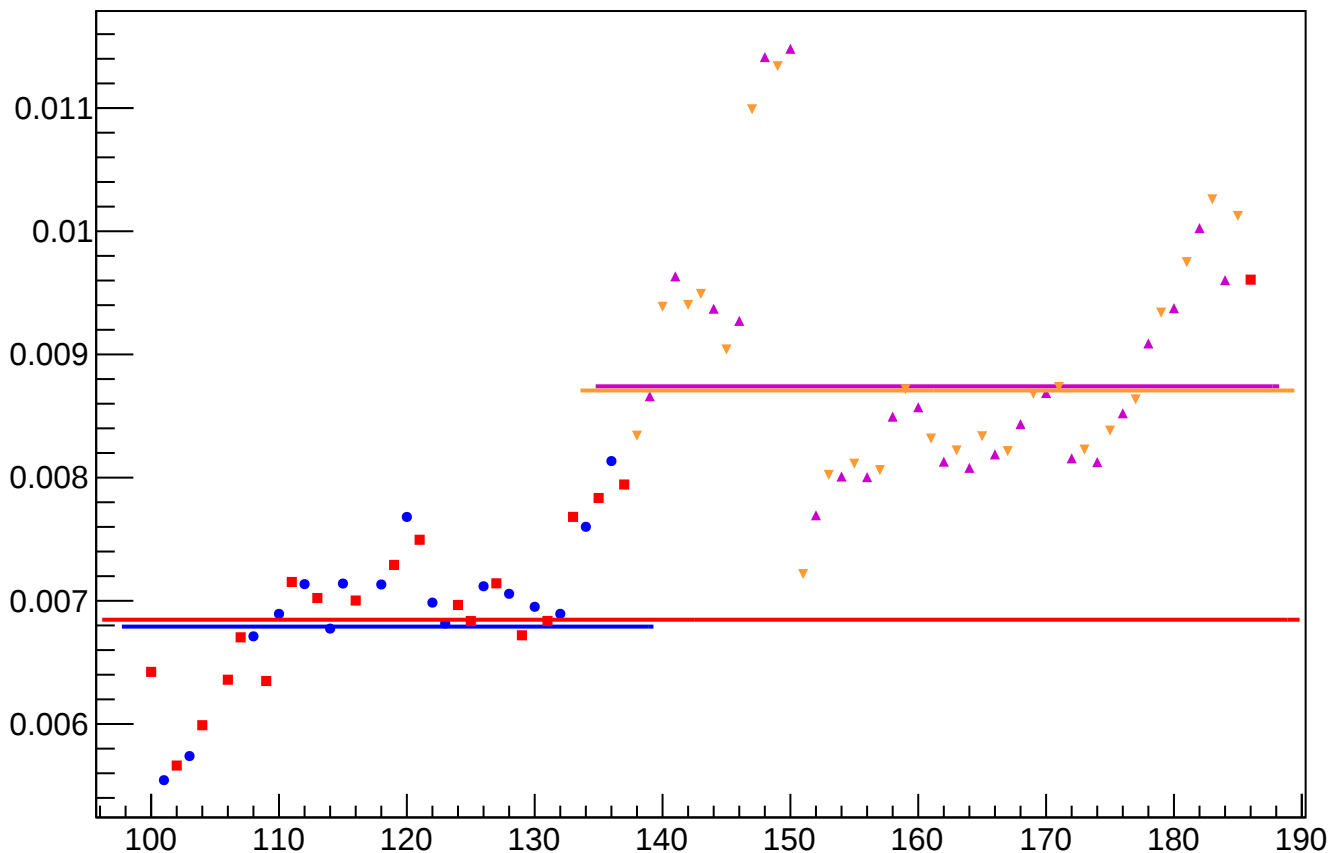
Left In: -2.621+/-0.000 χ^2/NDF : 80862402796.4/22

+ sign -2.471+/-0.000 χ^2/NDF : 179478350146.6/41

All: -2.482+/-0.000 χ^2/NDF : 336929807579.0

- sign -2.493+/-0.000 χ^2/NDF : 157364278231.4/42

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 165798.3/16

Left Out: 0.009+/-0.000 χ^2/NDF : 369376.5/24

Right Out: 0.007+/-0.000 χ^2/NDF : 187620.2/19

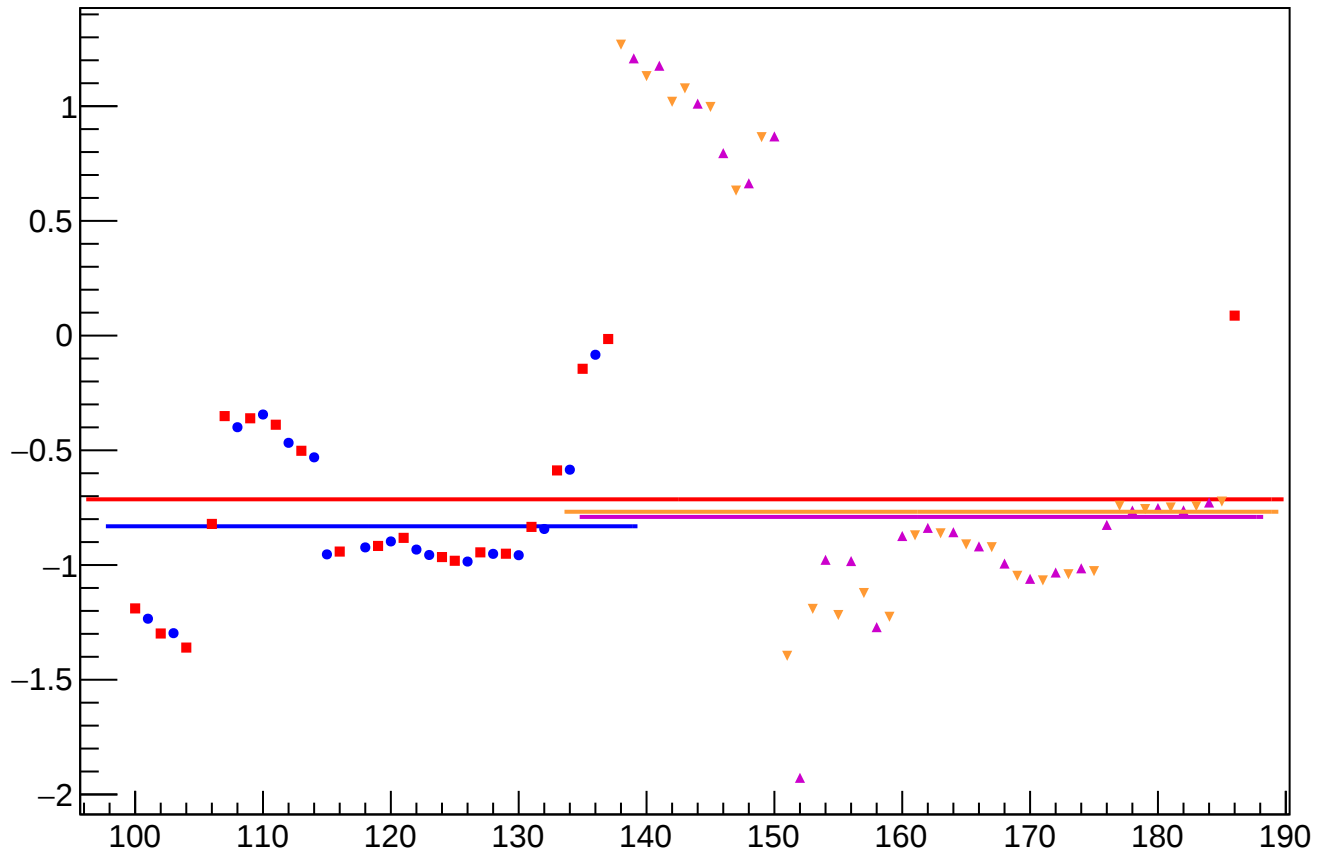
Left In: 0.009+/-0.000 χ^2/NDF : 353750.0/22

+ sign 0.008+/-0.000 χ^2/NDF : 1194446.2/41

All: 0.008+/-0.000 χ^2/NDF : 2400394.6/84

- sign 0.008+/-0.000 χ^2/NDF : 1205603.0/42

yield_bpm0i01X_mean vs Slug



Right In: -0.831 ± 0.000 χ^2/NDF : 6684927415.2/16

Left Out: -0.768 ± 0.000 χ^2/NDF : 120774855982.9/24

Right Out: -0.714 ± 0.000 χ^2/NDF : 12092540082.8/19

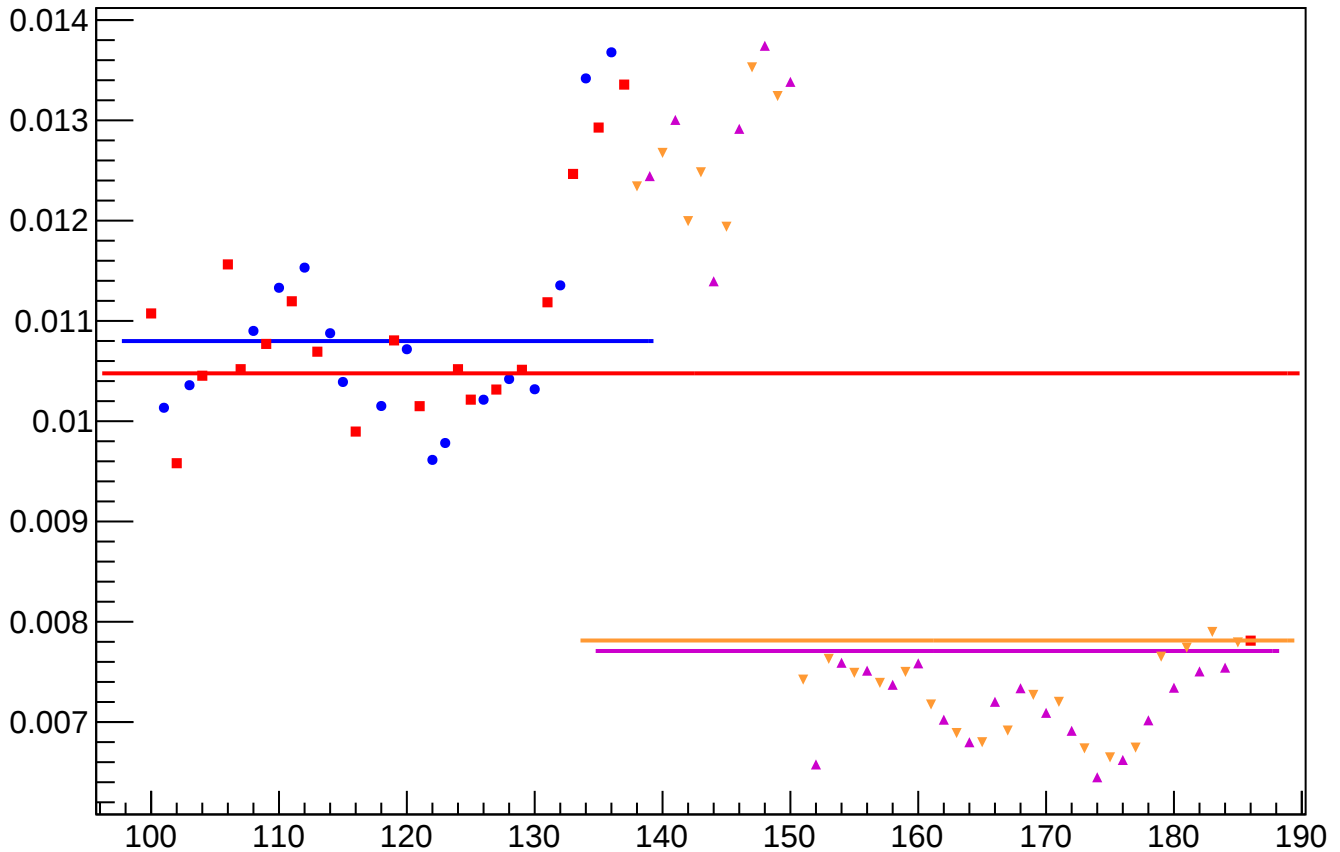
Left In: -0.790 ± 0.000 χ^2/NDF : 123452478408.2/22

+ sign -0.778 ± 0.000 χ^2/NDF : 127647450423.0/41

All: -0.777 ± 0.000 χ^2/NDF : 263504827856.8

- sign -0.775 ± 0.000 χ^2/NDF : 135855992659.9/42

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 124812.3/16

Left Out: 0.008+/-0.000 χ^2/NDF :1705997.6/24

Right Out: 0.010+/-0.000 χ^2/NDF : 184381.6/19

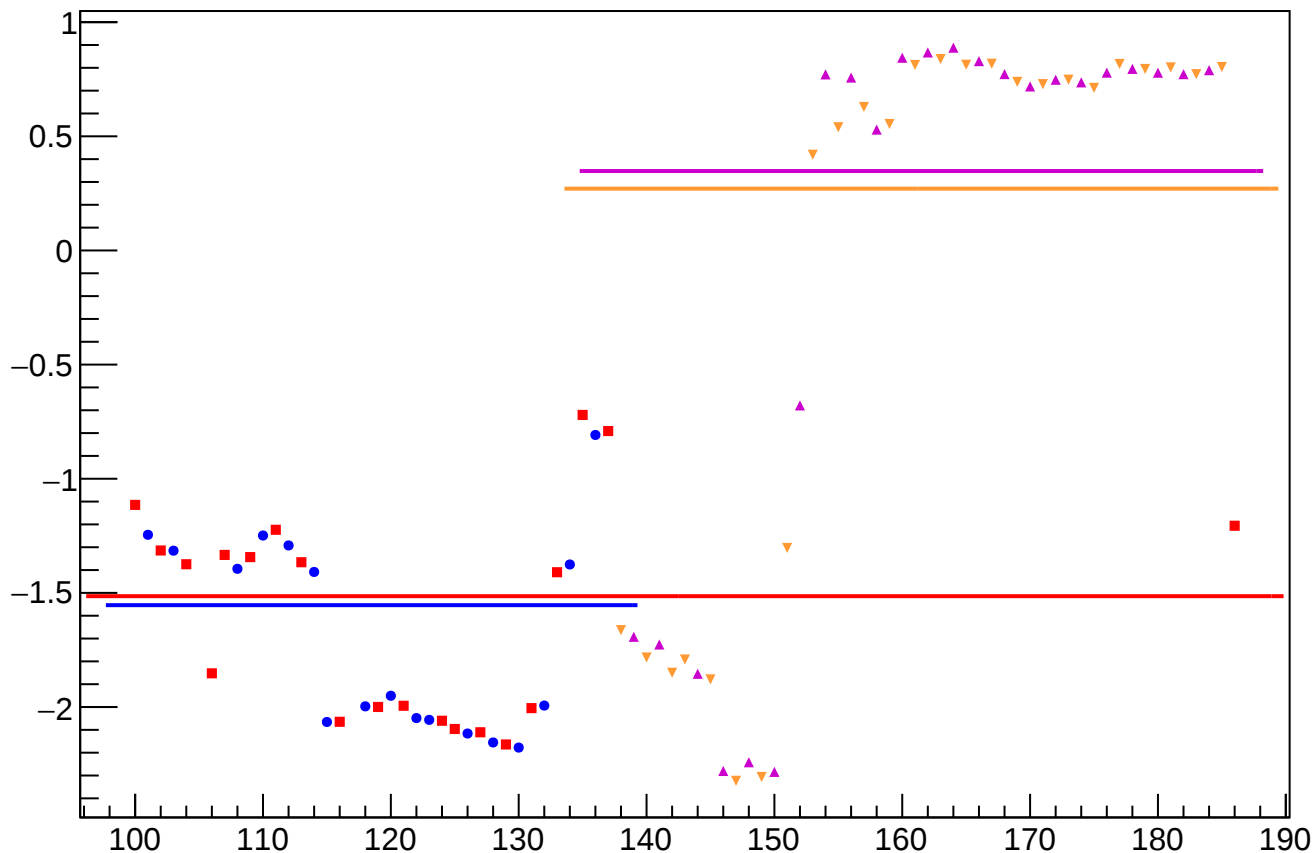
Left In: 0.008+/-0.000 χ^2/NDF :1746653.6/22

+ sign 0.008+/-0.000 χ^2/NDF : 2665692.3/41

All: 0.008+/-0.000 χ^2/NDF : 5408016.8/84

- sign 0.008+/-0.000 χ^2/NDF : 2740969.9/42

yield_bpm0i01Y_mean vs Slug



Right In: -1.554 ± 0.000 $\chi^2/\text{NDF}: 153751208532.9/16$

Left Out: 0.271 ± 0.000 $\chi^2/\text{NDF}: 2583233987355.9/24$

Right Out: -1.514 ± 0.000 $\chi^2/\text{NDF}: 139525609632.0/19$

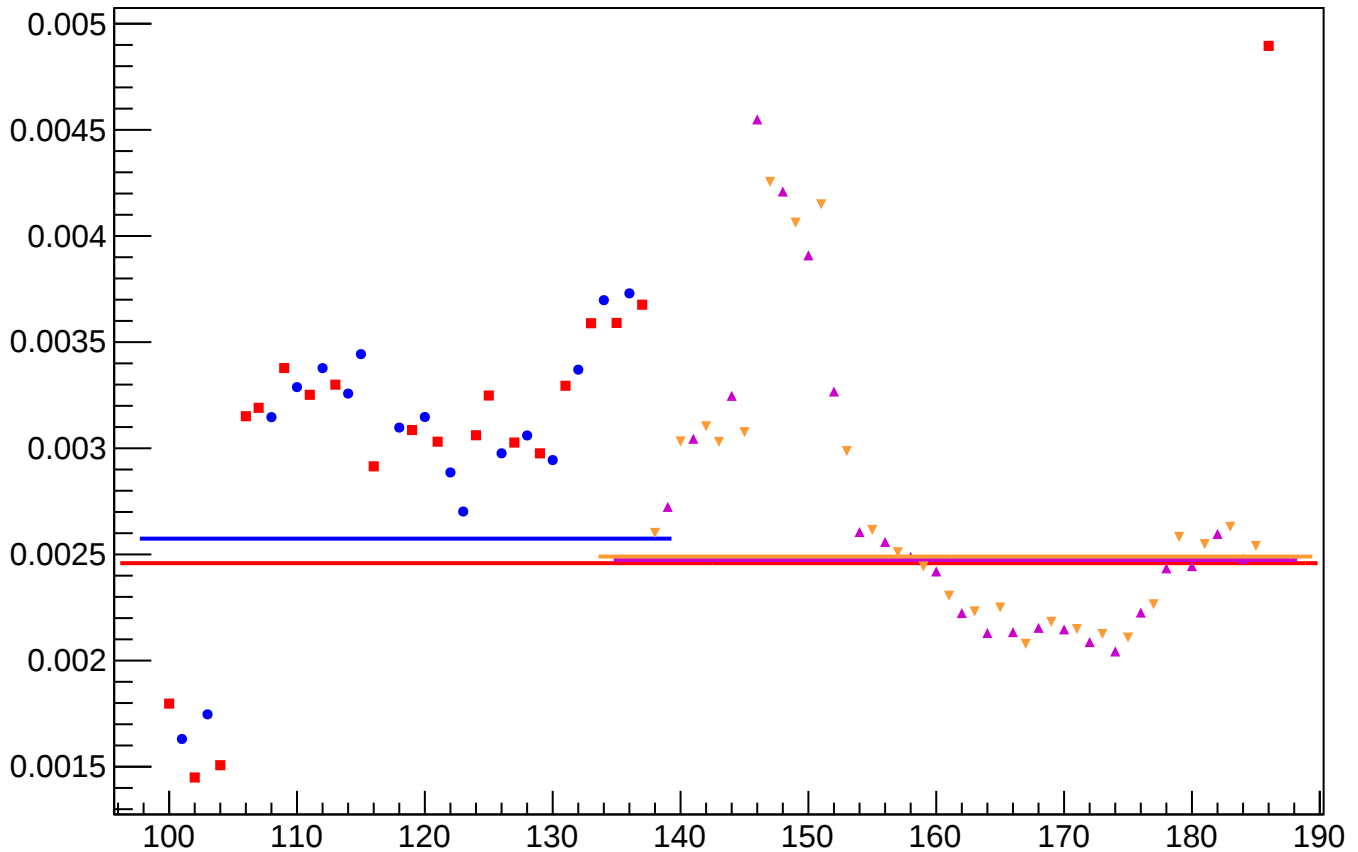
Left In: 0.348 ± 0.000 $\chi^2/\text{NDF}: 2274004426513.8/22$

+ sign -0.176 ± 0.000 $\chi^2/\text{NDF}: 4873514682612.9/4$

All: -0.177 ± 0.000 $\chi^2/\text{NDF}: 9723734859539$

- sign -0.179 ± 0.000 $\chi^2/\text{NDF}: 4850202281287.9/4$

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:1070282.7/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 1667487.9/19

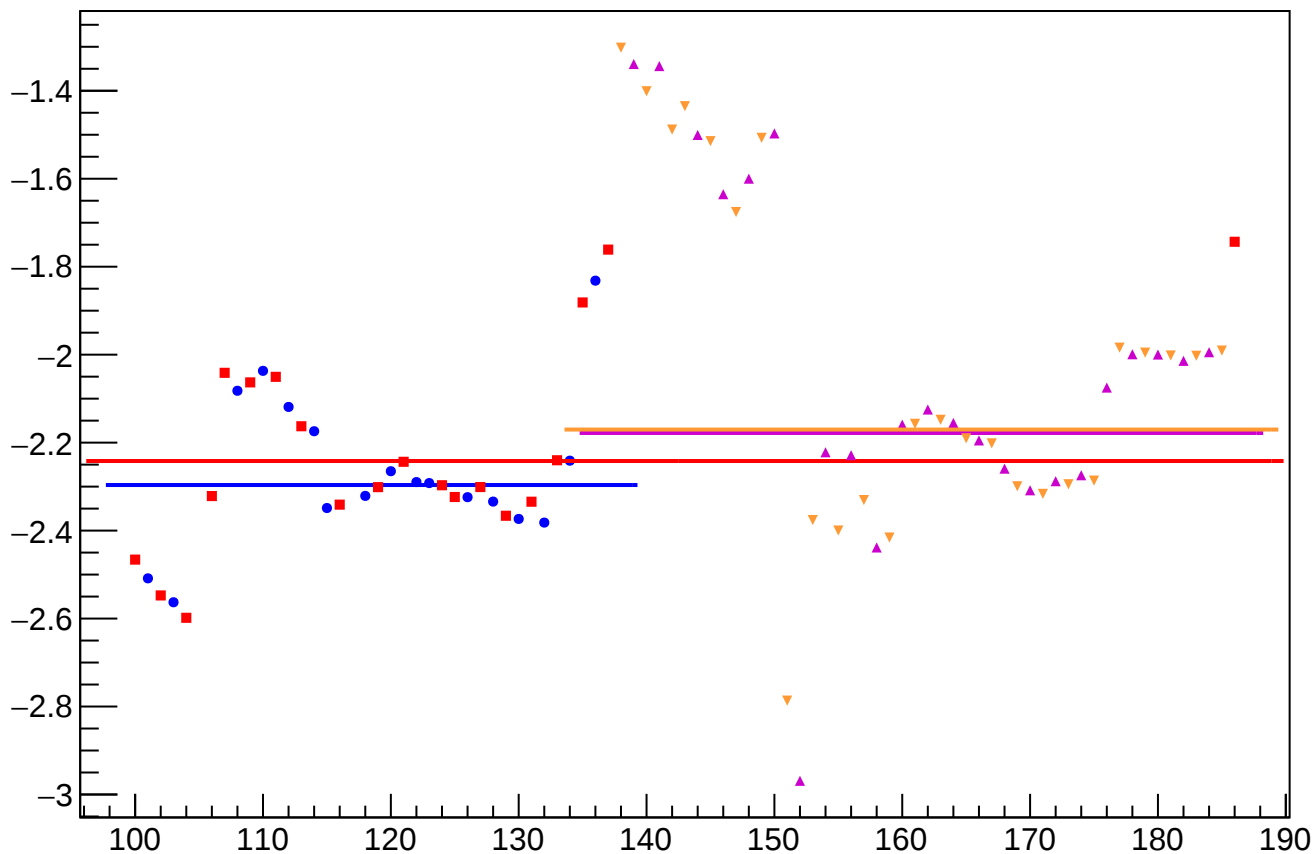
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1135279.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2092970.0/41

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 4901977.7/84

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2803065.6/42

yield_bpm0i01aX_mean vs Slug



Right In: -2.296+/-0.000 χ^2/NDF : 5781445779.2/16

Left Out: -2.170+/-0.000 χ^2/NDF : 59967315241.9/24

Right Out: -2.242+/-0.000 χ^2/NDF : 10141724054.3/19

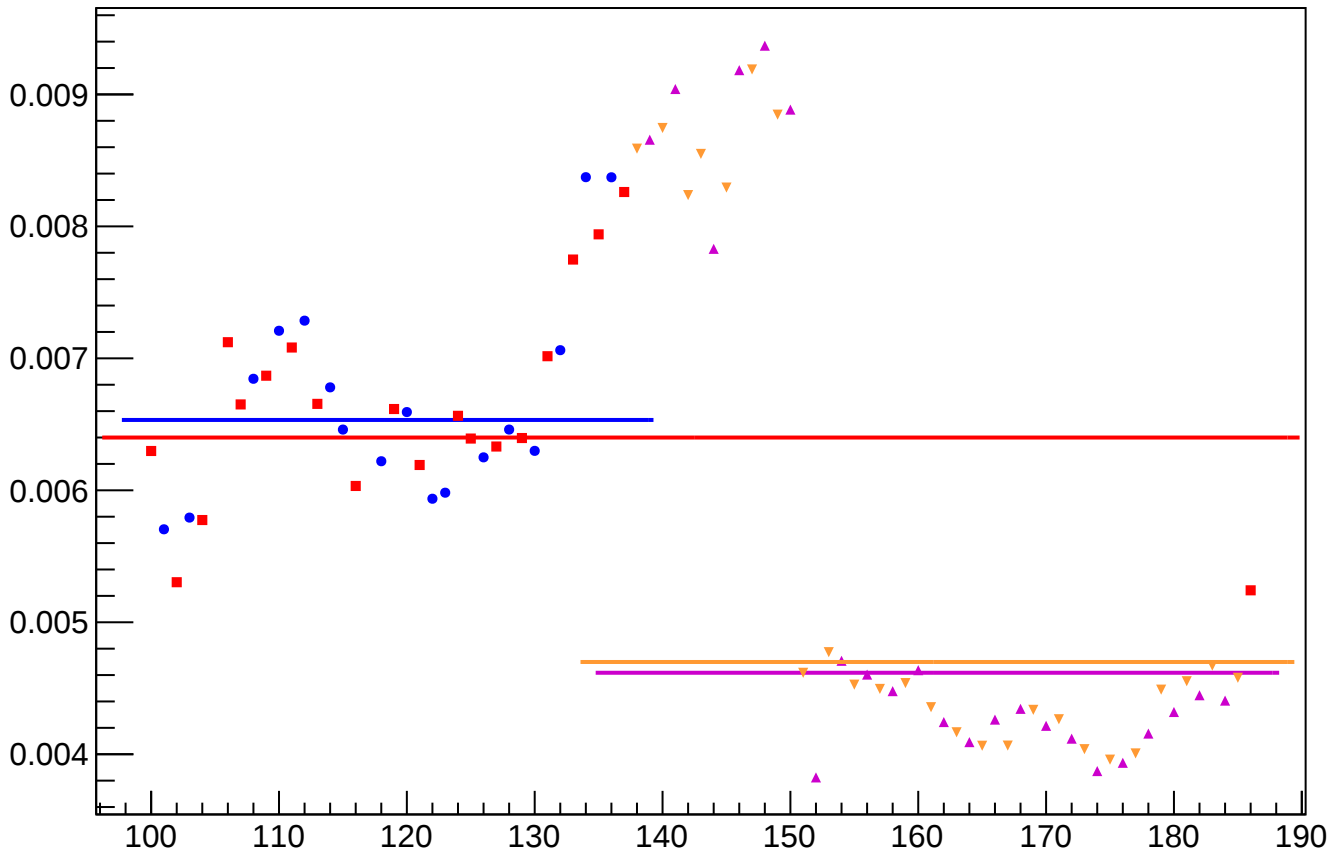
Left In: -2.178+/-0.000 χ^2/NDF : 73402051113.3/22

+ sign -2.191+/-0.000 χ^2/NDF : 67750507599.5/41

All: -2.191+/-0.000 χ^2/NDF : 151864679398.0

- sign -2.190+/-0.000 χ^2/NDF : 84113719007.5/42

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 : 2319588.7/24

Right Out: 0.006+/-0.000 χ^2/NDF : 201980.9/19

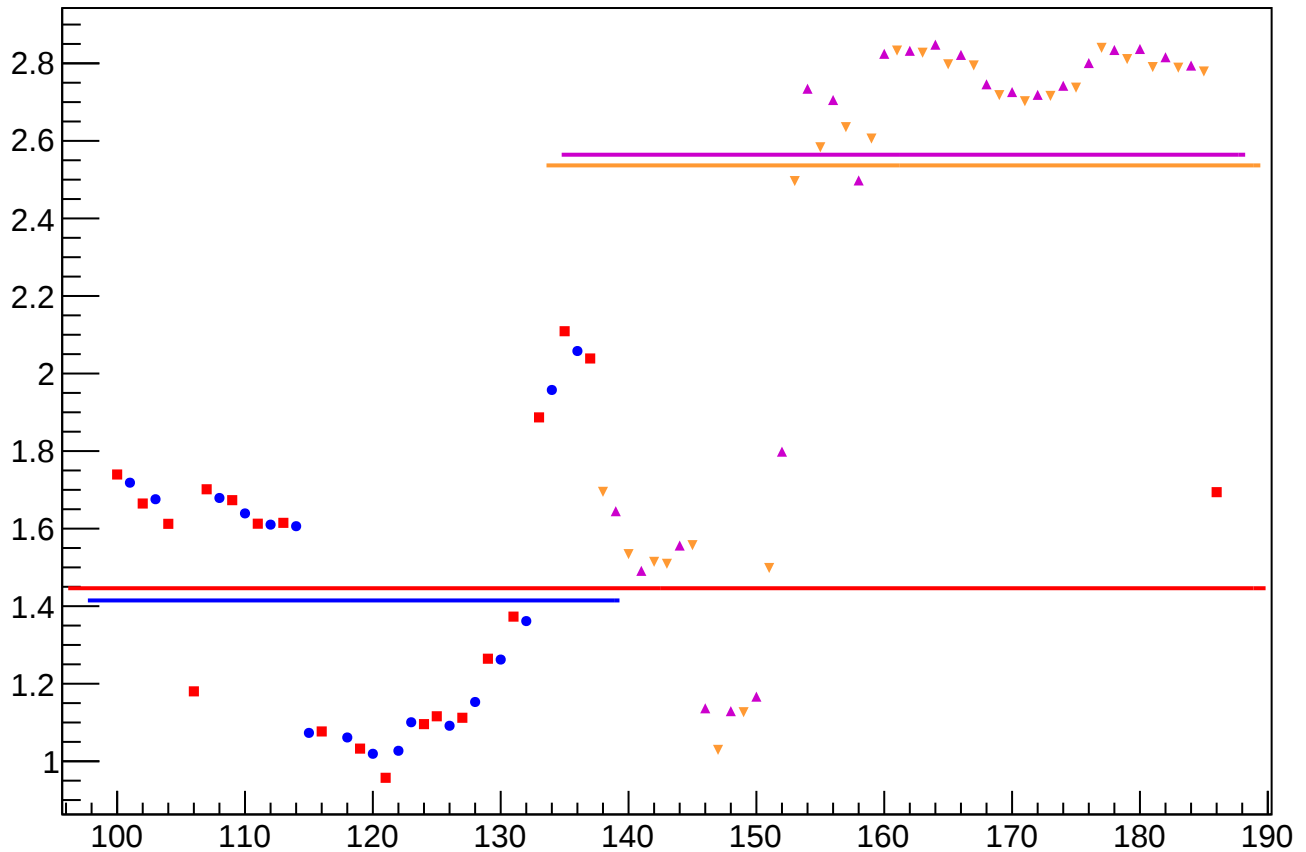
Left In: 0.005+/-0.000 χ^2/NDF : 2367440.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 3341385.4/41

All: 0.005+/-0.000 χ^2/NDF : 6804271.8/84

- sign 0.005+/-0.000 χ^2/NDF : 3460996.8/42

yield_bpm0i01aY_mean vs Slug



Right In: 1.415+/-0.000 χ^2/NDF : 171733730631.9/16

Left Out: 2.537+/-0.000 χ^2/NDF : 269554948115.3/24

Right Out: 1.446+/-0.000 χ^2/NDF : 173765251899.0/19

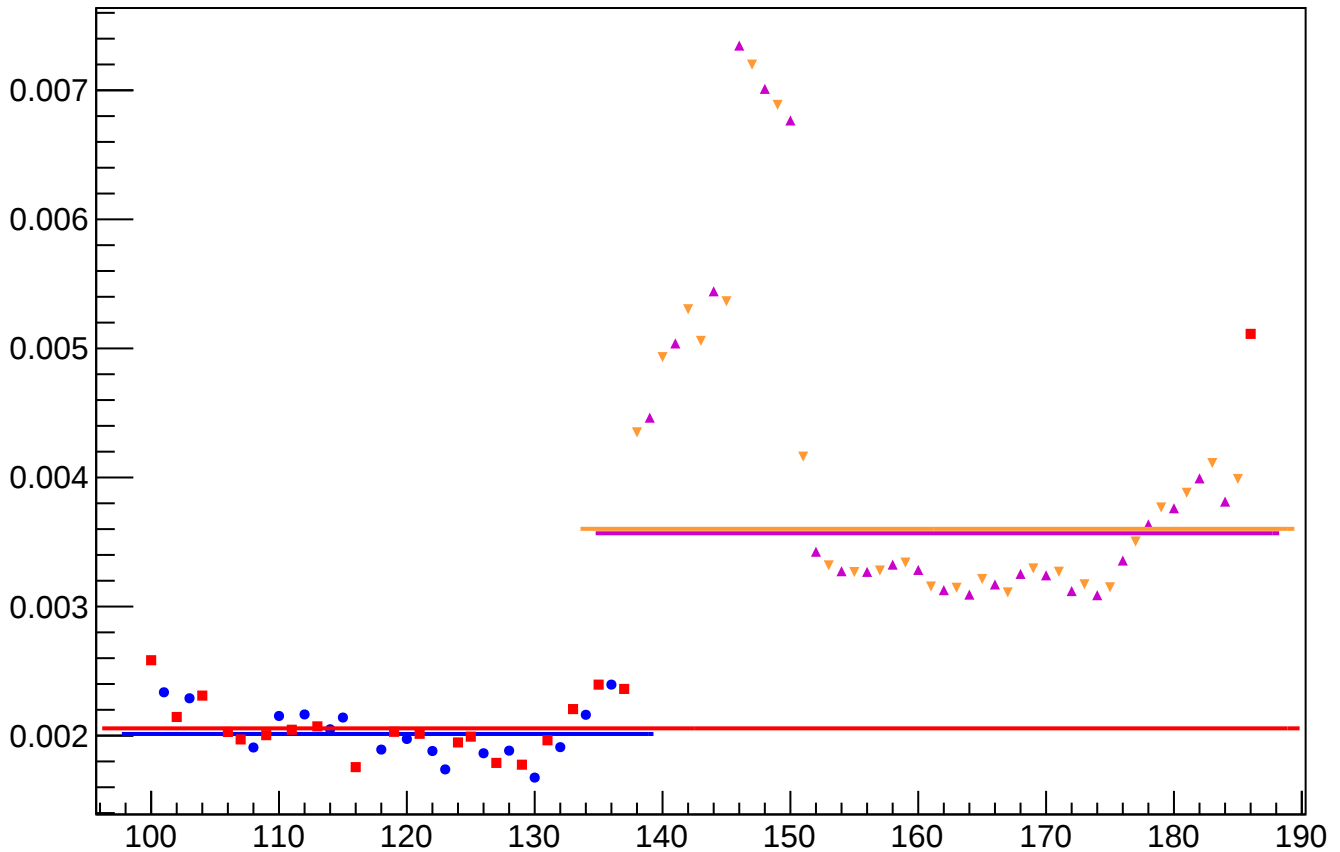
Left In: 2.564+/-0.000 χ^2/NDF : 260287937727.8/22

+ sign 1.930+/-0.000 χ^2/NDF : 1318320964358.1/41

All: 1.932+/-0.000 χ^2/NDF : 2616929410114.

- sign 1.934+/-0.000 χ^2/NDF : 1298589299449.2/42

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:1410717.8/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 375619.9/19

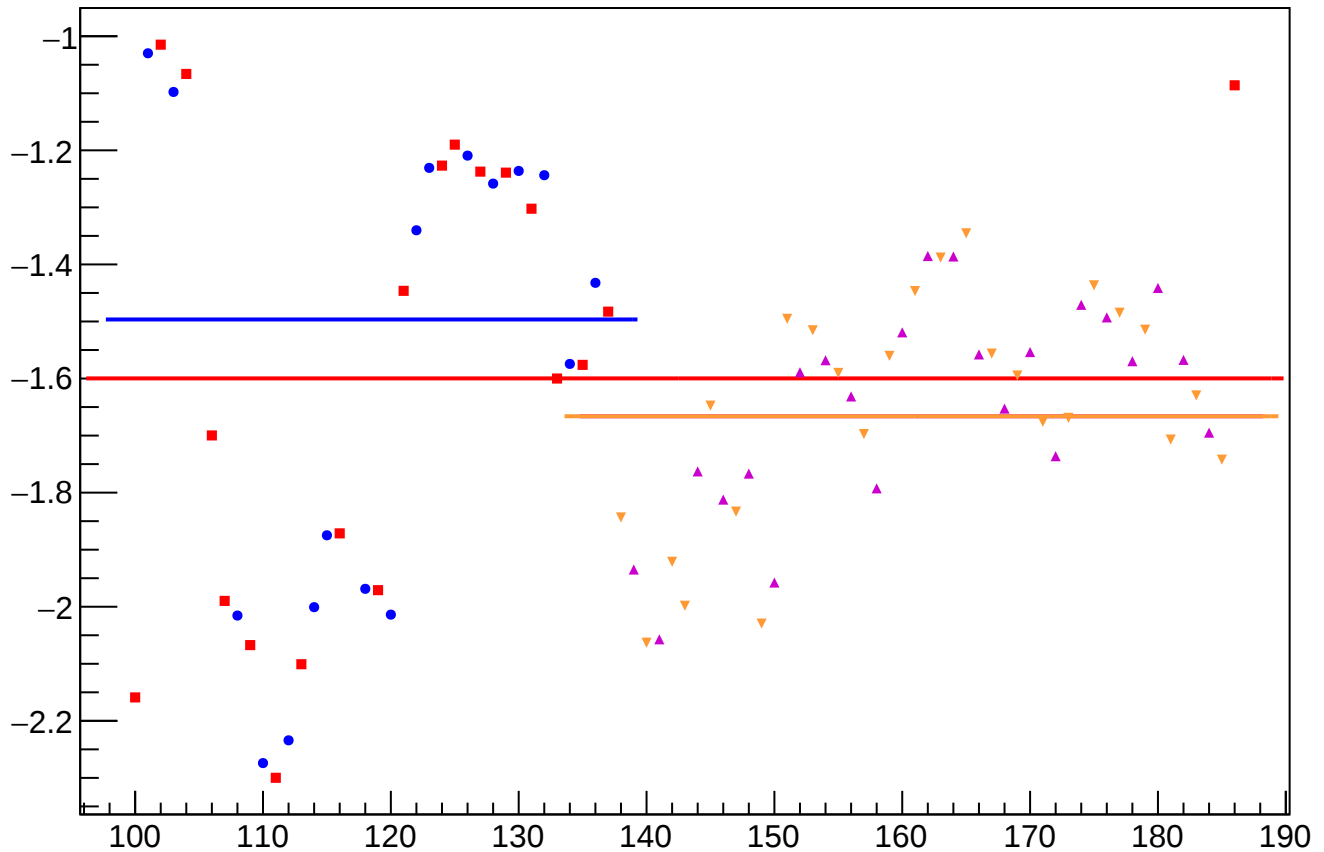
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1563028.0/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 5080597.1/41

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 10181918.7/84

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 5099228.0/42

yield_bpm0l01X_mean vs Slug



Right In: -1.496 ± 0.000 χ^2/NDF : 22480434073.3/16

Left Out: -1.666 ± 0.000 χ^2/NDF : 18325162131.2/24

Right Out: -1.600 ± 0.000 χ^2/NDF : 28503601597.9/19

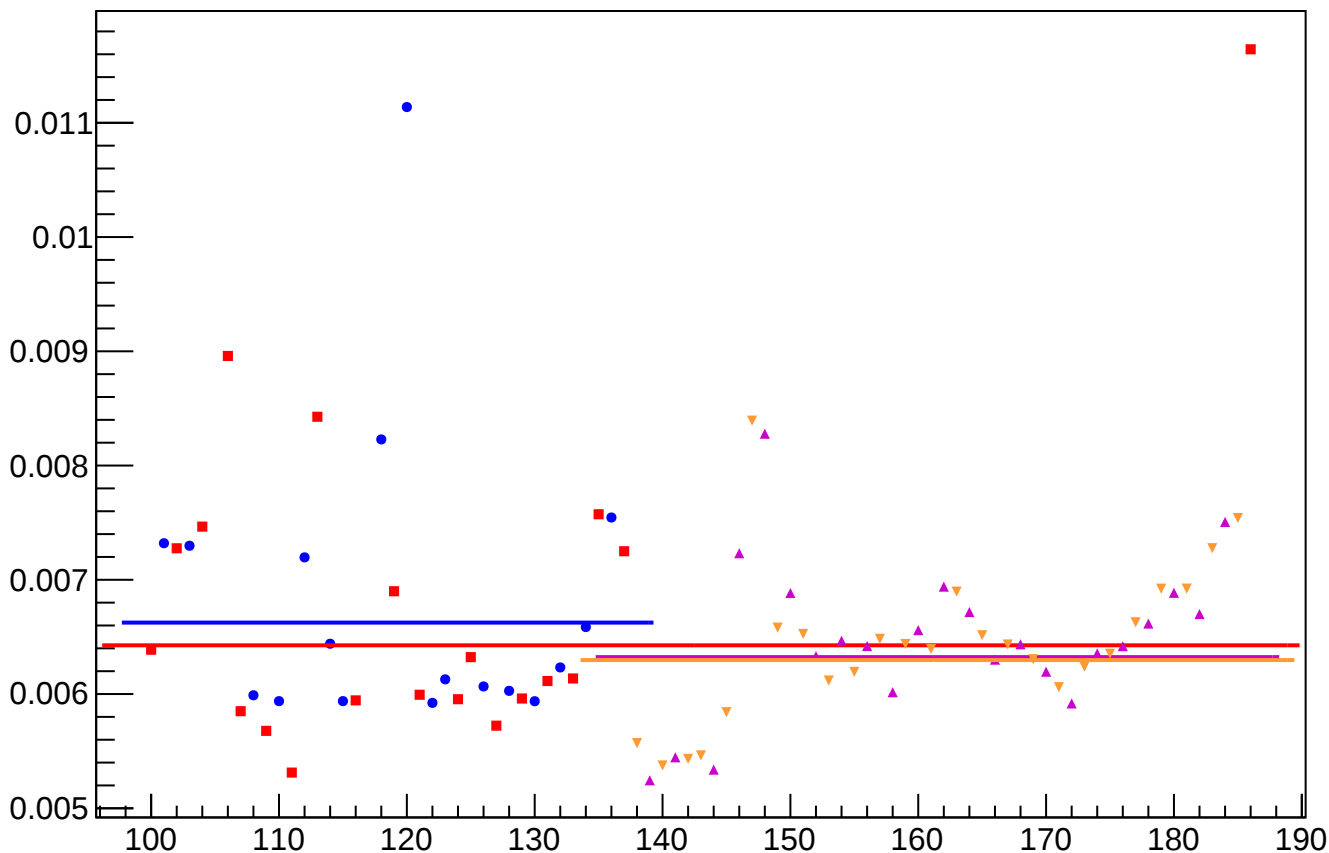
Left In: -1.666 ± 0.000 χ^2/NDF : 14292570816.9/22

+ sign -1.626 ± 0.000 χ^2/NDF : 43834120698.1/41

All: -1.636 ± 0.000 χ^2/NDF : 87282283357.4/41

- sign -1.647 ± 0.000 χ^2/NDF : 43315994082.7/42

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 : 310757.0/24

Right Out: 0.006 ± 0.000 χ^2/NDF : 368614.7/19

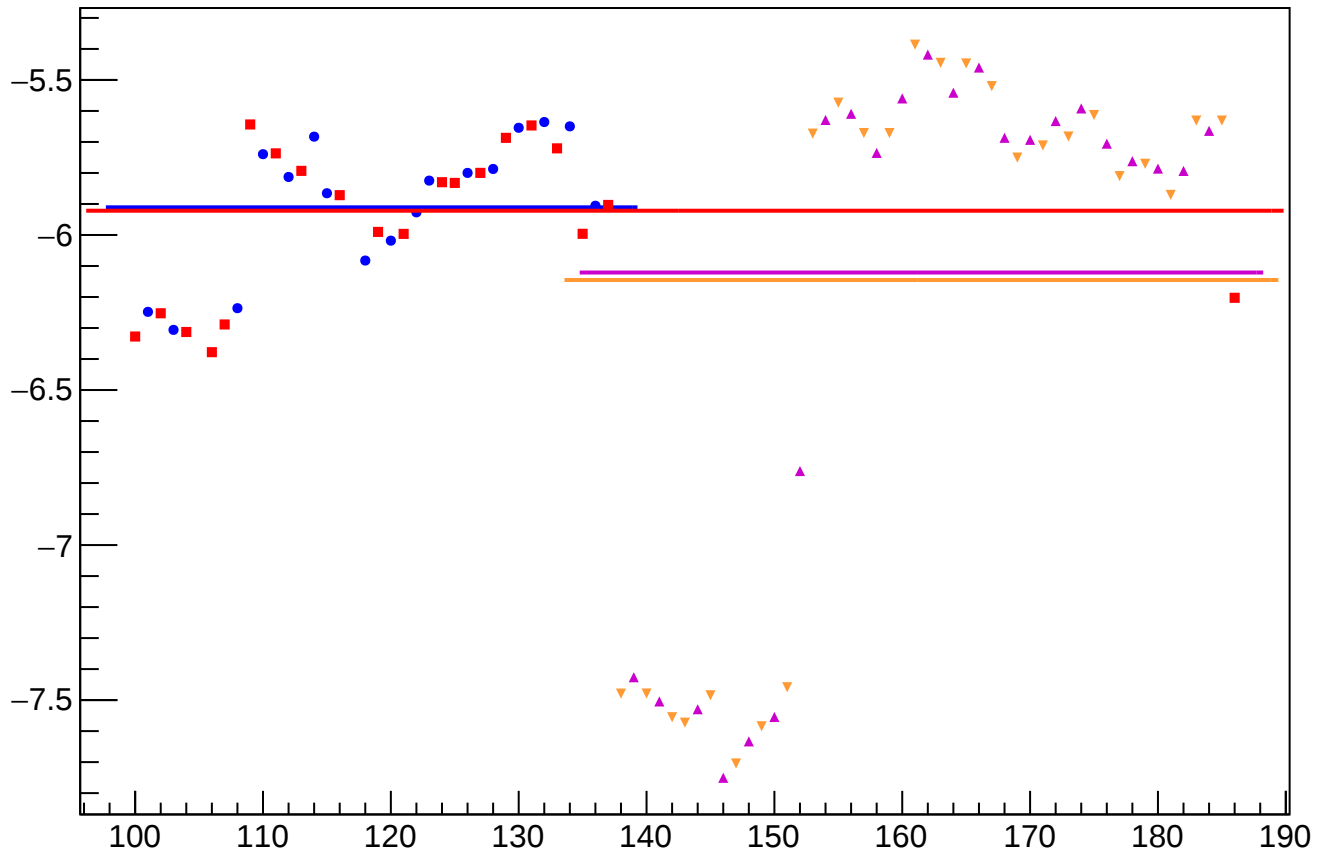
Left In: 0.006 ± 0.000 χ^2/NDF : 330859.7/22

+ sign 0.006 ± 0.000 χ^2/NDF : 565126.5/41

All: 0.006 ± 0.000 χ^2/NDF : 1267419.6/84

- sign 0.006 ± 0.000 χ^2/NDF : 701996.8/42

yield_bpm0l01Y_mean vs Slug



Right In: -5.911+/-0.000 χ^2/NDF : 11134606775.1/16

Left Out: -6.145+/-0.000 χ^2/NDF : 185364150237.7/24

Right Out: -5.922+/-0.000 χ^2/NDF : 12960370976.1/19

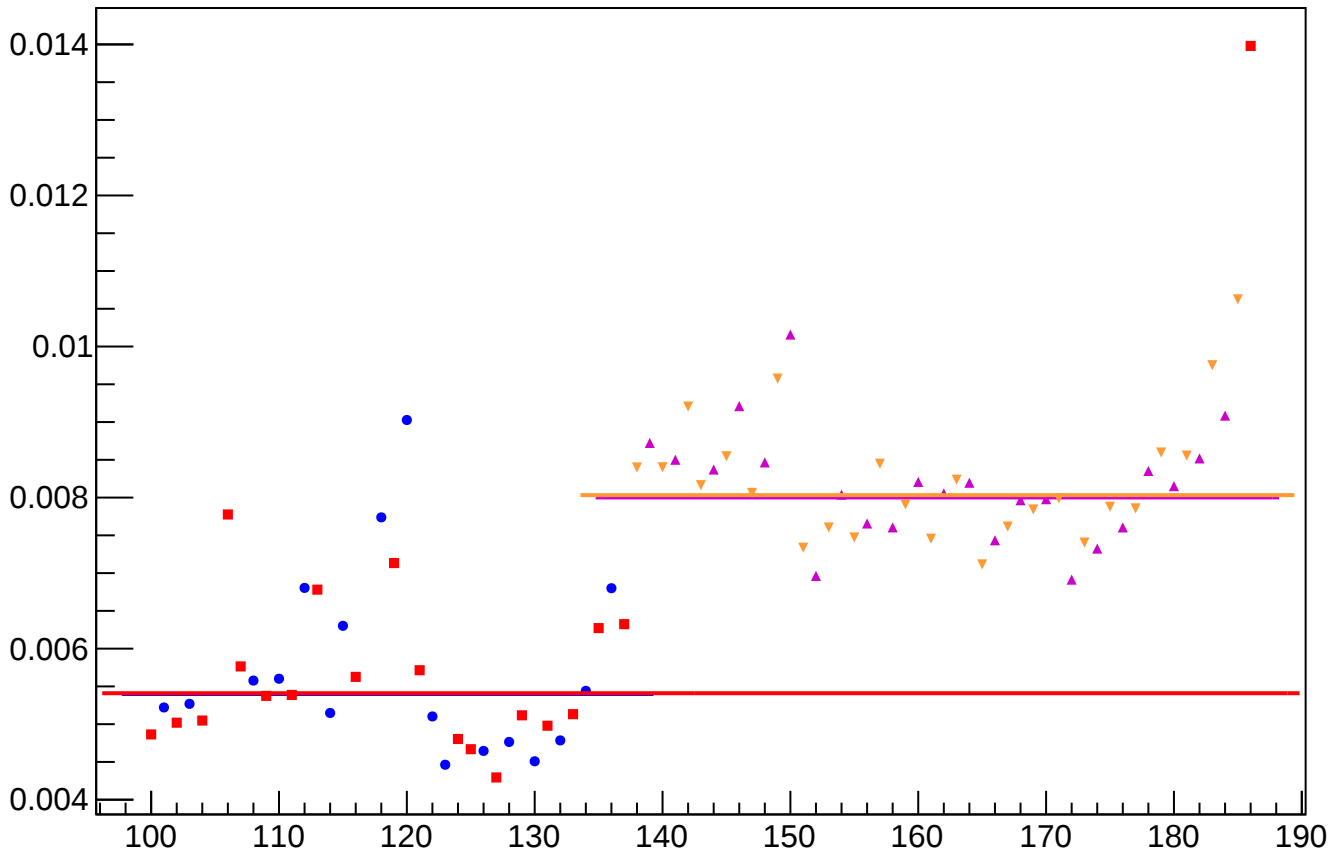
Left In: -6.121+/-0.000 χ^2/NDF : 158315913062.3/22

+ sign -6.042+/-0.000 χ^2/NDF : 202707346998.5/41

All: -6.034+/-0.000 χ^2/NDF : 378711535245.8

- sign -6.026+/-0.000 χ^2/NDF : 175944630491.6/42

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 :205762.2/24

Right Out: 0.005+/-0.000 χ^2/NDF : 518177.6/19

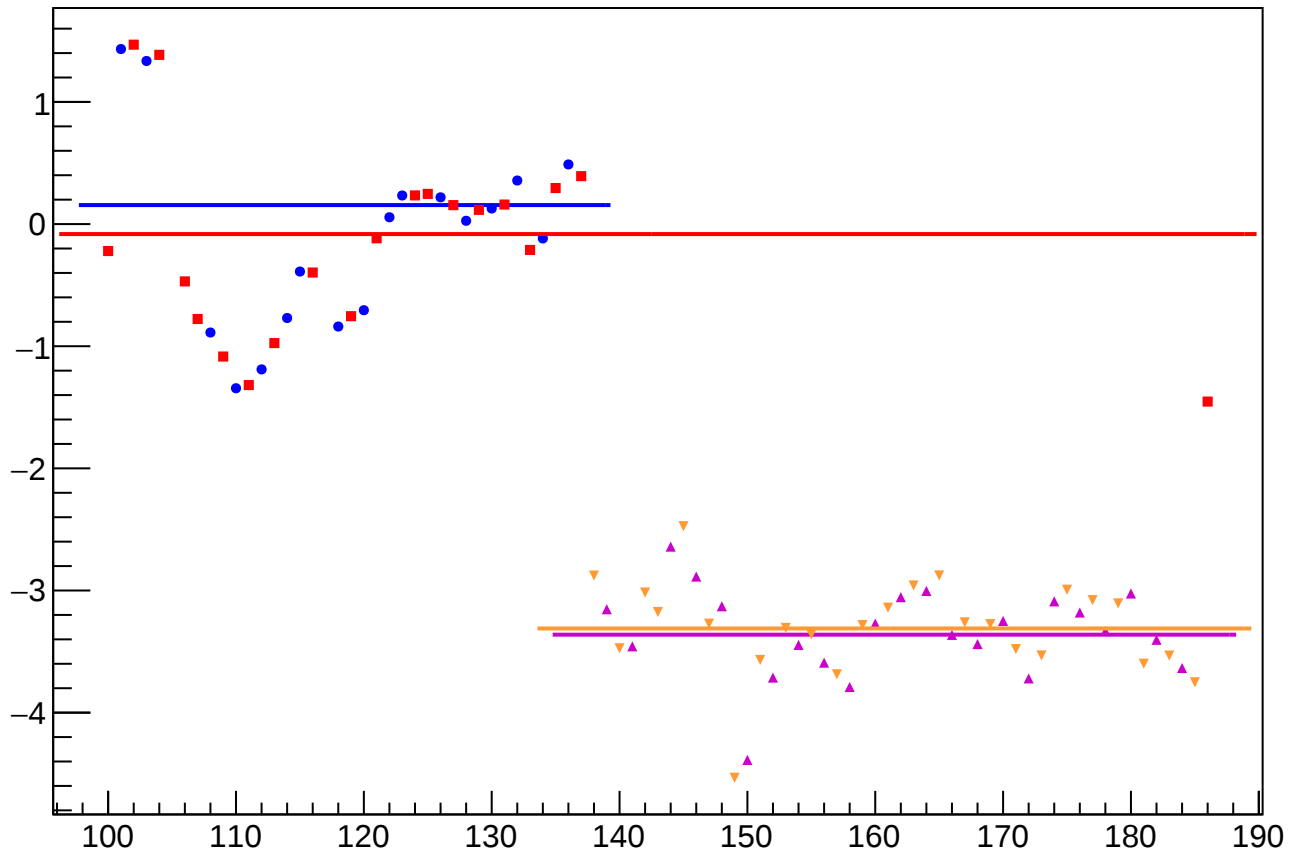
Left In: 0.008+/-0.000 χ^2/NDF :220756.1/22

+ sign 0.007+/-0.000 χ^2/NDF : 2143921.0/41

All: 0.007+/-0.000 χ^2/NDF : 4467249.7/84

- sign 0.007+/-0.000 χ^2/NDF : 2317876.6/42

yield_bpm0l02X_mean vs Slug



Right In: 0.156 $\pm$ 0.000 χ^2 /NDF: 16968312396.2/16

Left Out: -3.311 $\pm$ 0.000 χ^2 /NDF: 9354397456.2/24

Right Out: -0.082 $\pm$ 0.000 χ^2 /NDF: 22974726575.4/19

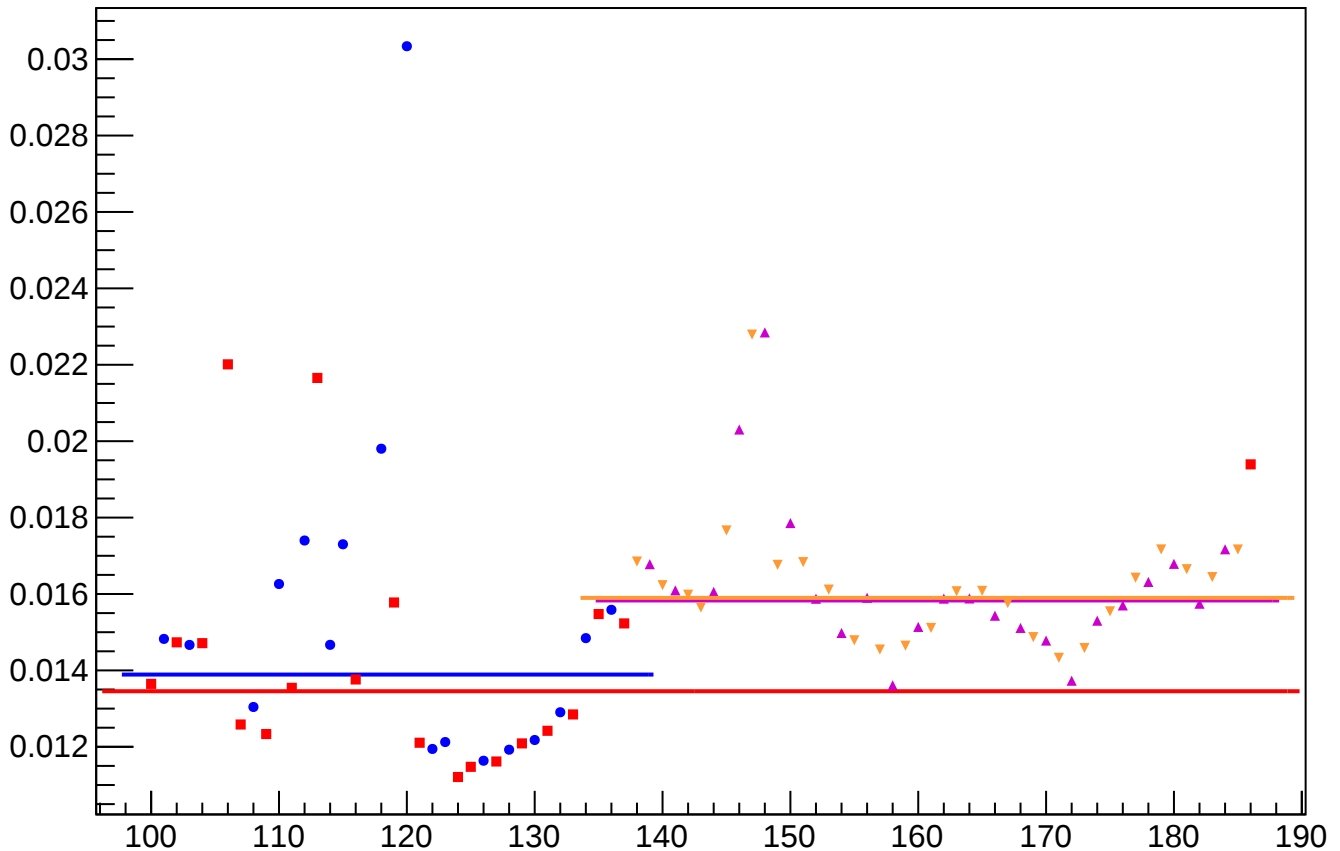
Left In: -3.362 $\pm$ 0.000 χ^2 /NDF: 8171803777.4/22

+ sign -2.257 $\pm$ 0.000 χ^2 /NDF: 281919849124.8/41

All: -2.218 $\pm$ 0.000 χ^2 /NDF: 570007752913.1

- sign -2.181 $\pm$ 0.000 χ^2 /NDF: 287794376005.6/42

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 401280.4/16

Left Out: 0.016+/-0.000 χ^2/NDF :251912.7/24

Right Out: 0.013+/-0.000 χ^2/NDF : 360027.1/19

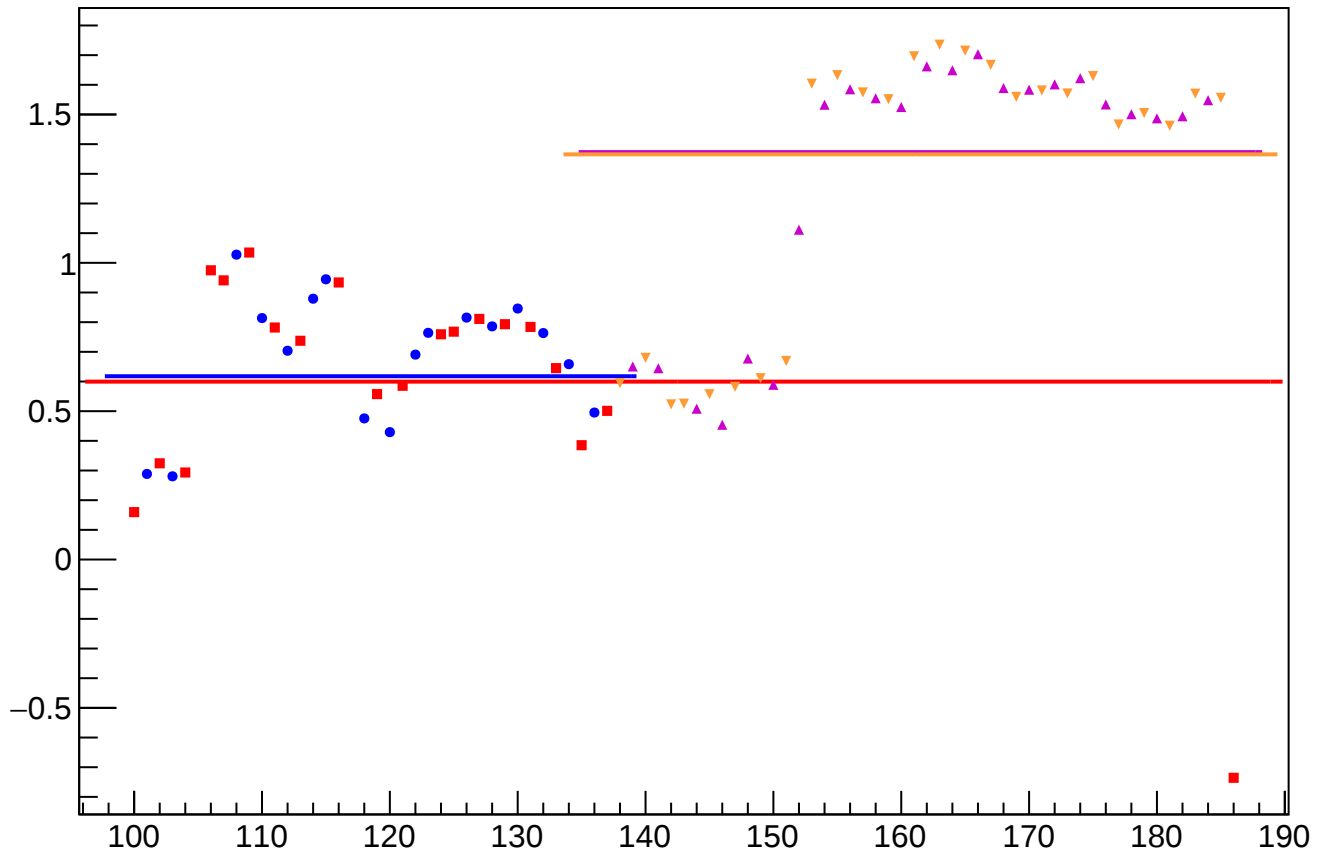
Left In: 0.016+/-0.000 χ^2/NDF :339542.1/22

+ sign 0.015+/-0.000 χ^2/NDF : 824606.2/41

All: 0.015+/-0.000 χ^2/NDF : 1803468.5/84

- sign 0.015+/-0.000 χ^2/NDF : 968894.1/42

yield_bpm0l02Y_mean vs Slug



Right In: 0.618 $\pm$ 0.000 χ^2 /NDF: 5402179431.9/16

Left Out: 1.366 $\pm$ 0.000 χ^2 /NDF: 74741956067.9/24

Right Out: 0.600 $\pm$ 0.000 χ^2 /NDF: 10393878513.2/19

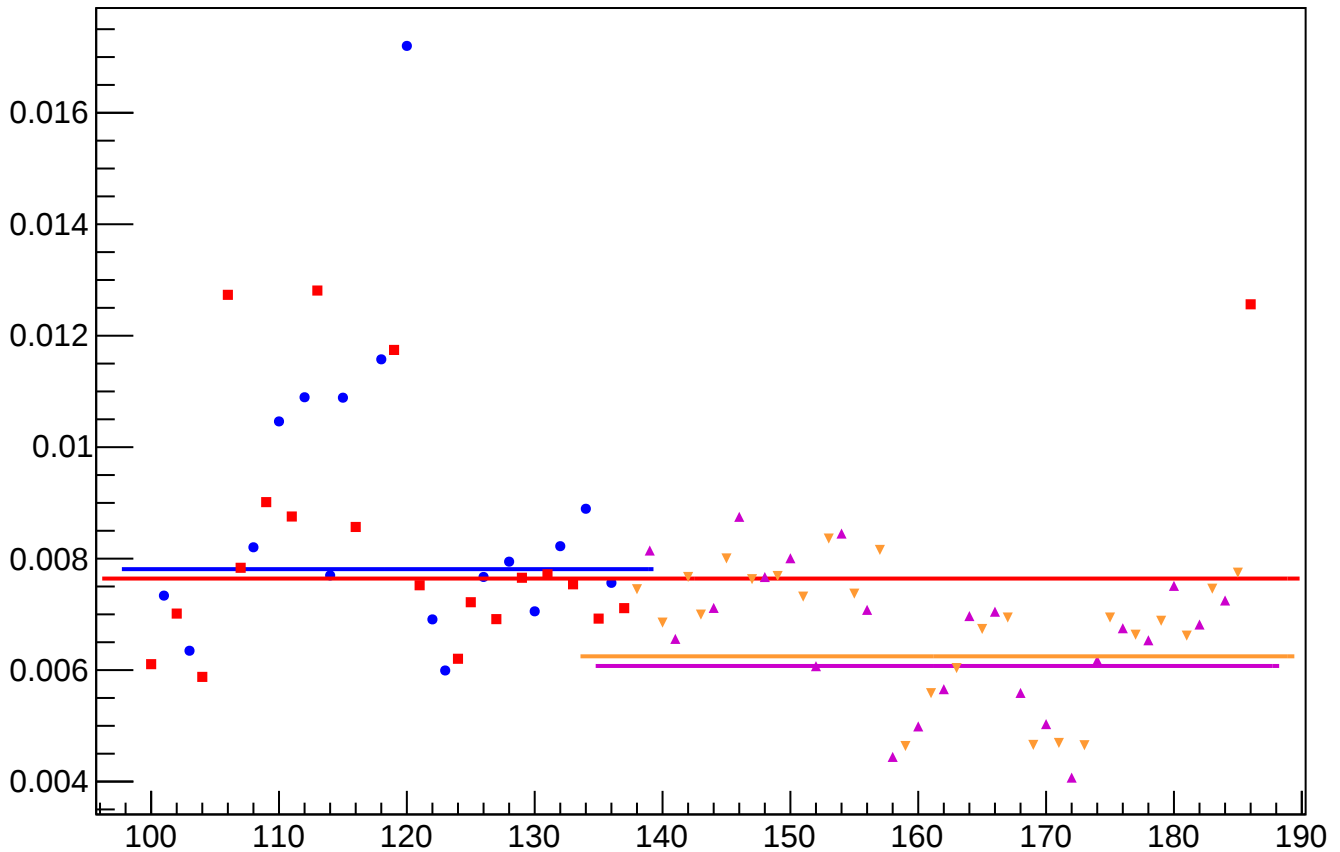
Left In: 1.373 $\pm$ 0.000 χ^2 /NDF: 63413151416.3/22

+ sign 1.229 $\pm$ 0.000 χ^2 /NDF: 123585924074.0/41

All: 1.221 $\pm$ 0.000 χ^2 /NDF: 250125117905.0

- sign 1.214 $\pm$ 0.000 χ^2 /NDF: 126476959359.8/42

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 :1330867.5/24

Right Out: 0.008+/-0.000 χ^2/NDF : 551712.9/19

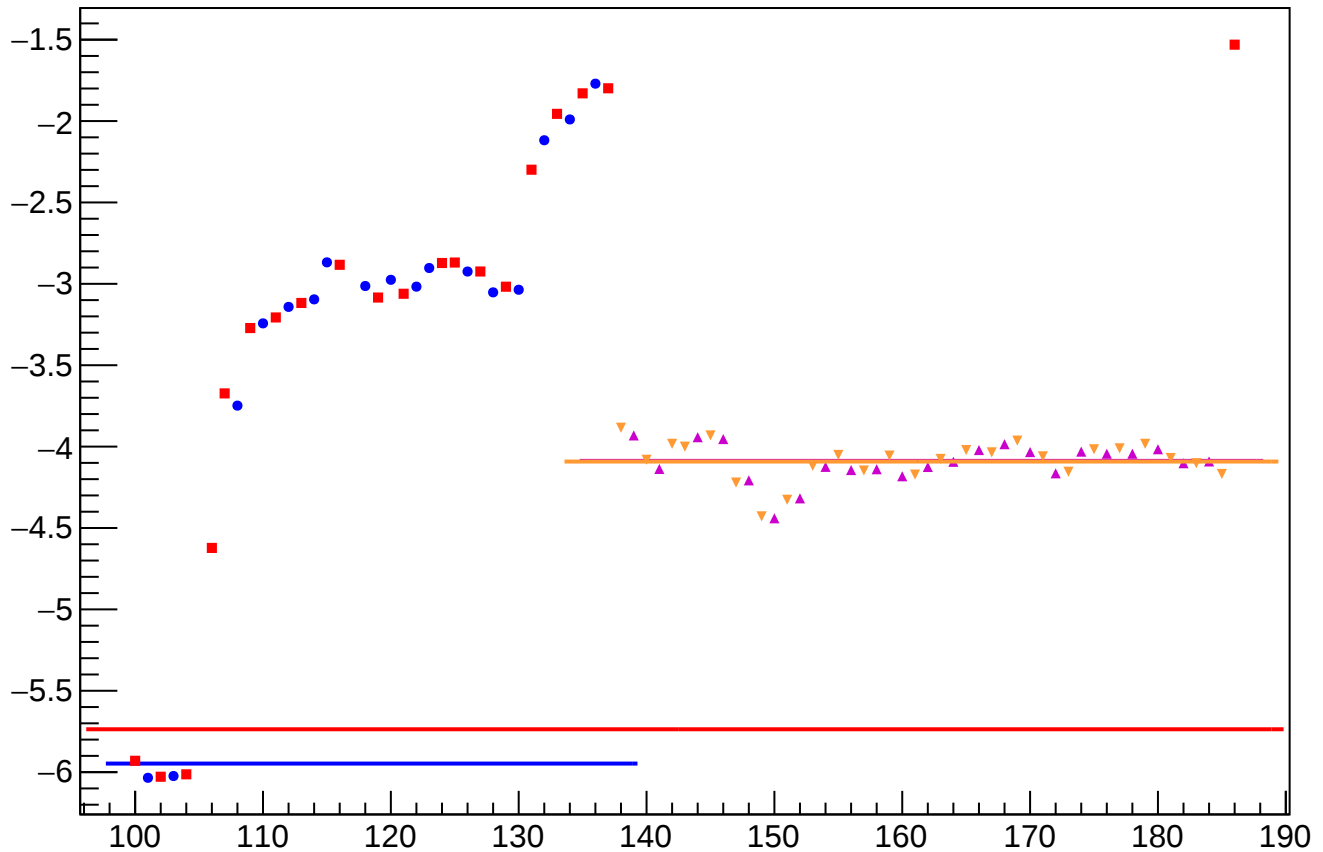
Left In: 0.006+/-0.000 χ^2/NDF :1431986.5/22

+ sign 0.007+/-0.000 χ^2/NDF : 2178289.3/41

All: 0.006+/-0.000 χ^2/NDF : 4604705.0/84

- sign 0.006+/-0.000 χ^2/NDF : 2416737.6/42

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 : 39806766.7/24

Right Out: -5.737+/-0.000 χ^2/NDF : 44050217811.6/19

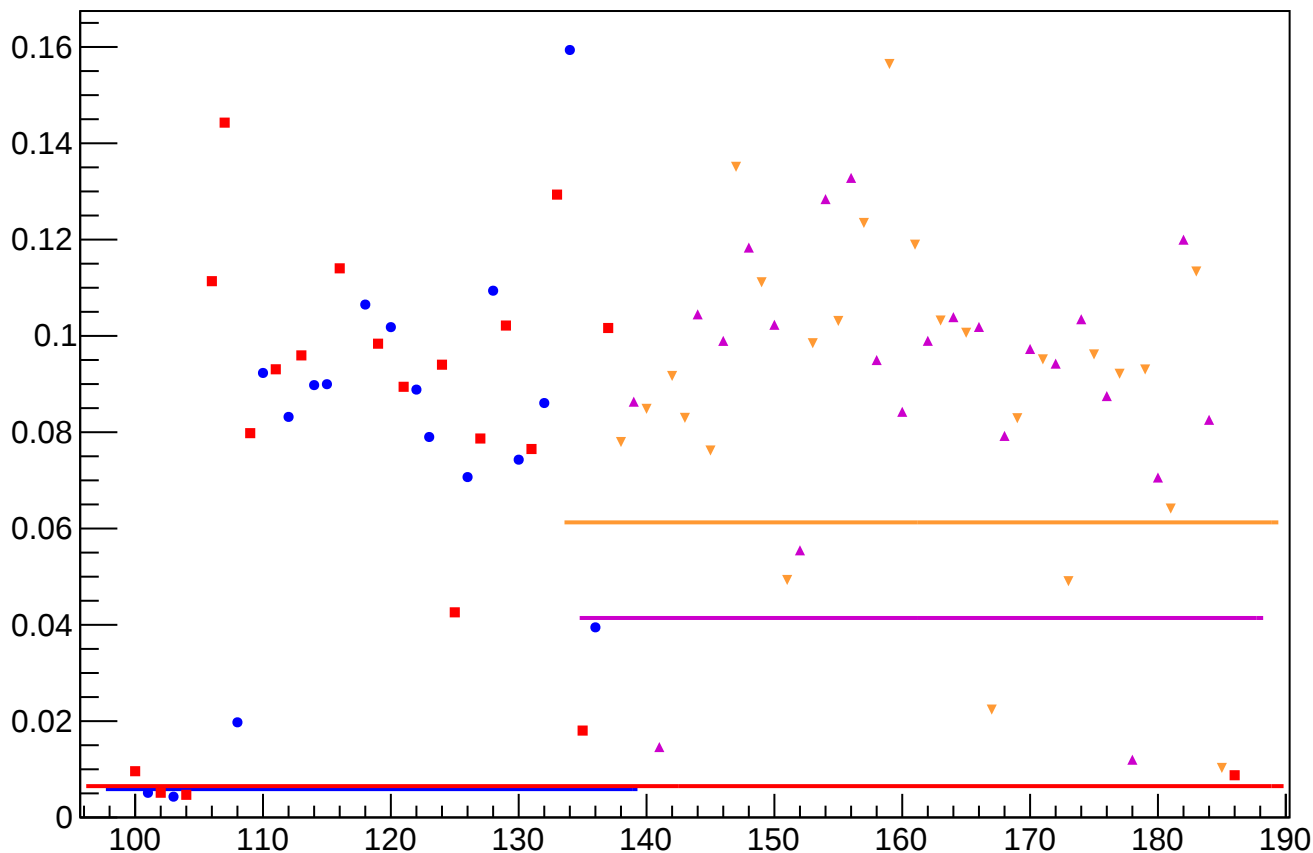
Left In: -4.088+/-0.000 χ^2/NDF : 34412880.7/22

+ sign -5.838+/-0.000 χ^2/NDF : 22719749625.7/41

All: -5.716+/-0.000 χ^2/NDF : 78882972171.7

- sign -5.577+/-0.000 χ^2/NDF : 54555522829.8/42

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:8355266.0/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 8479427.7/19

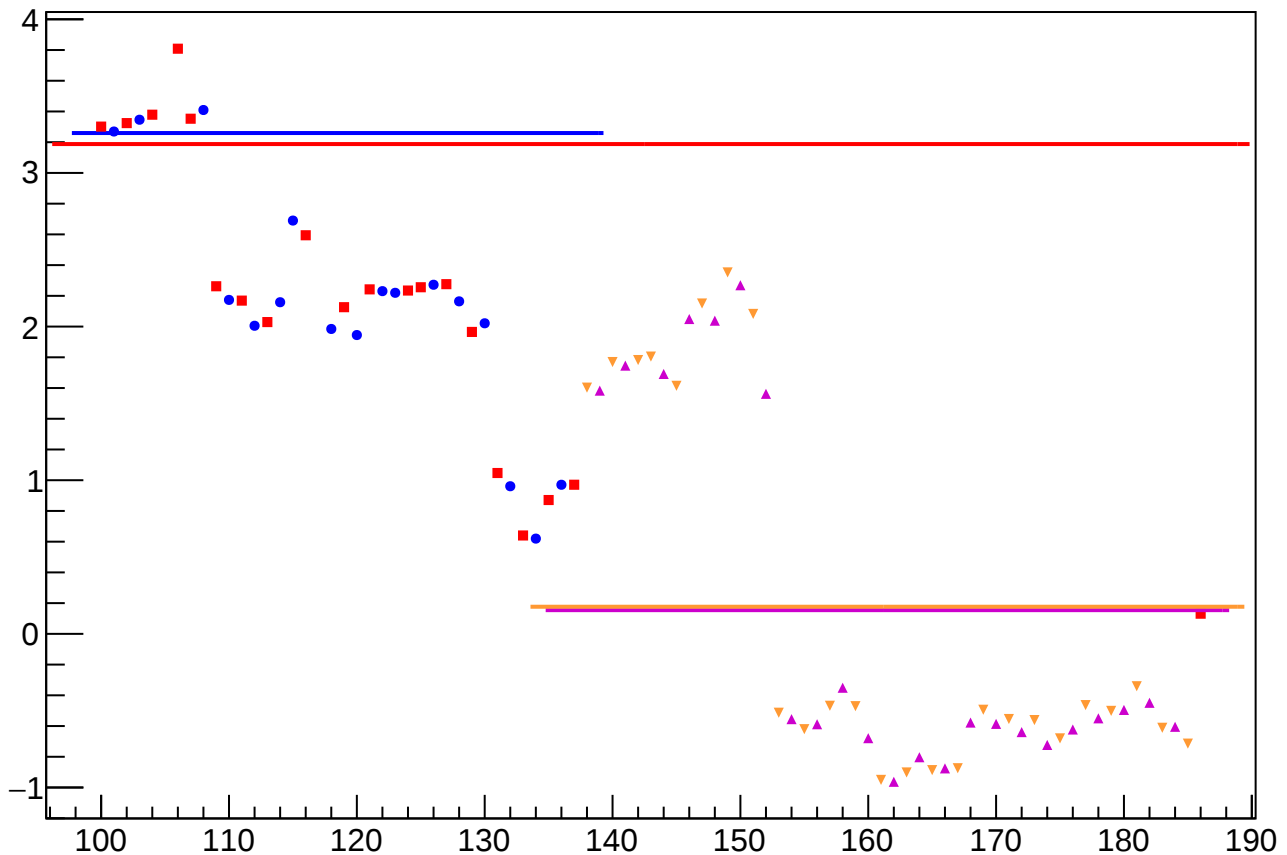
Left In: 0.041 $\pm$ 0.000 χ^2 /NDF:13124468.7/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 33324899.3/41

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 64348330.5/84

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 30996737.2/42

yield_bpm0l03Y_mean vs Slug



Right In: 3.260 $\pm$ 0.000 χ^2 /NDF: 2914830636.8/16

Left Out: 0.177 $\pm$ 0.000 χ^2 /NDF:3275313367.7/24

Right Out: 3.188 $\pm$ 0.000 χ^2 /NDF: 11805023519.0/19

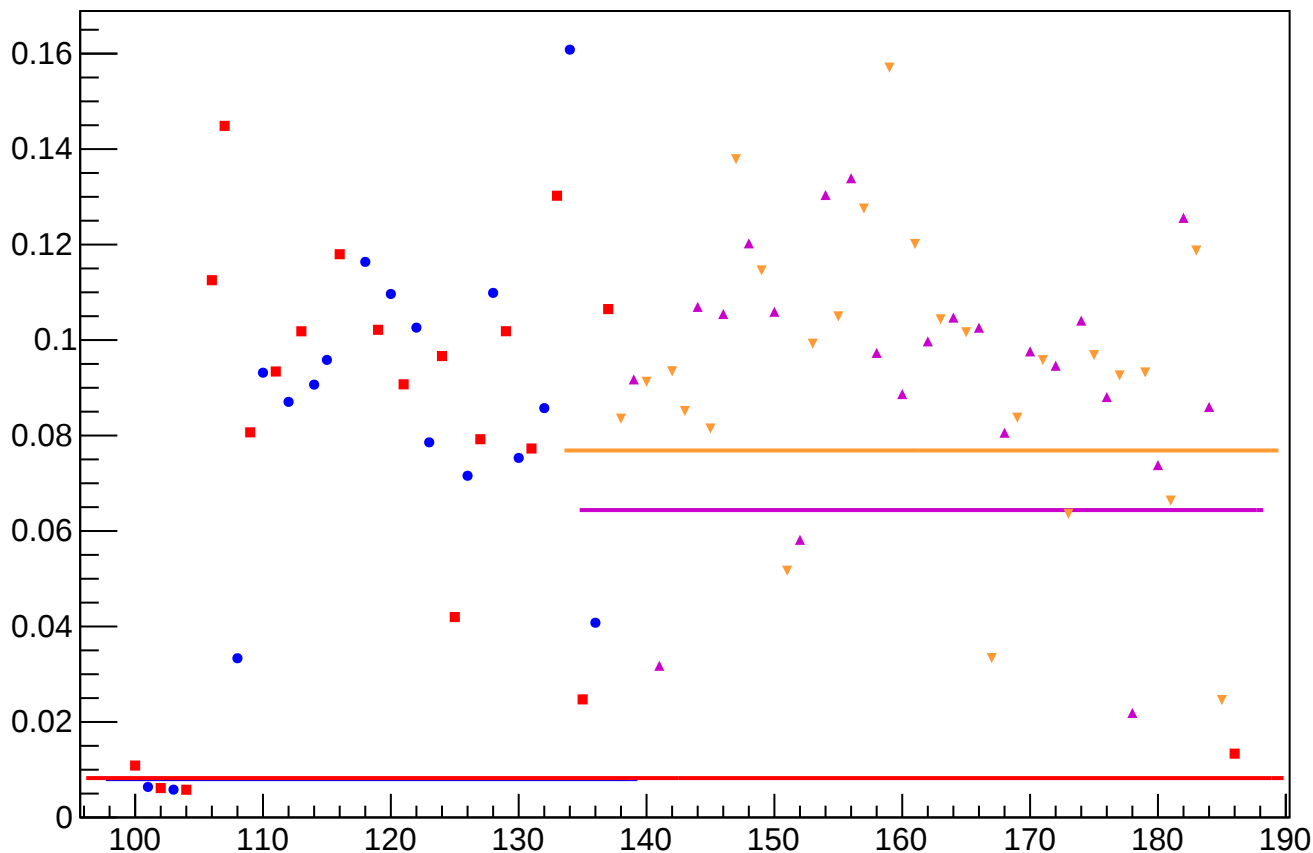
Left In: 0.154 $\pm$ 0.000 χ^2 /NDF:3163553595.0/22

+ sign 3.034 $\pm$ 0.000 χ^2 /NDF: 26165946039.1/41

All: 2.981 $\pm$ 0.000 χ^2 /NDF: 63003689523.9/8

- sign 2.927 $\pm$ 0.000 χ^2 /NDF: 36660317932.6/42

yield_bpm0l03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7721103.3/16

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF: 4217954.3/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8322262.3/19

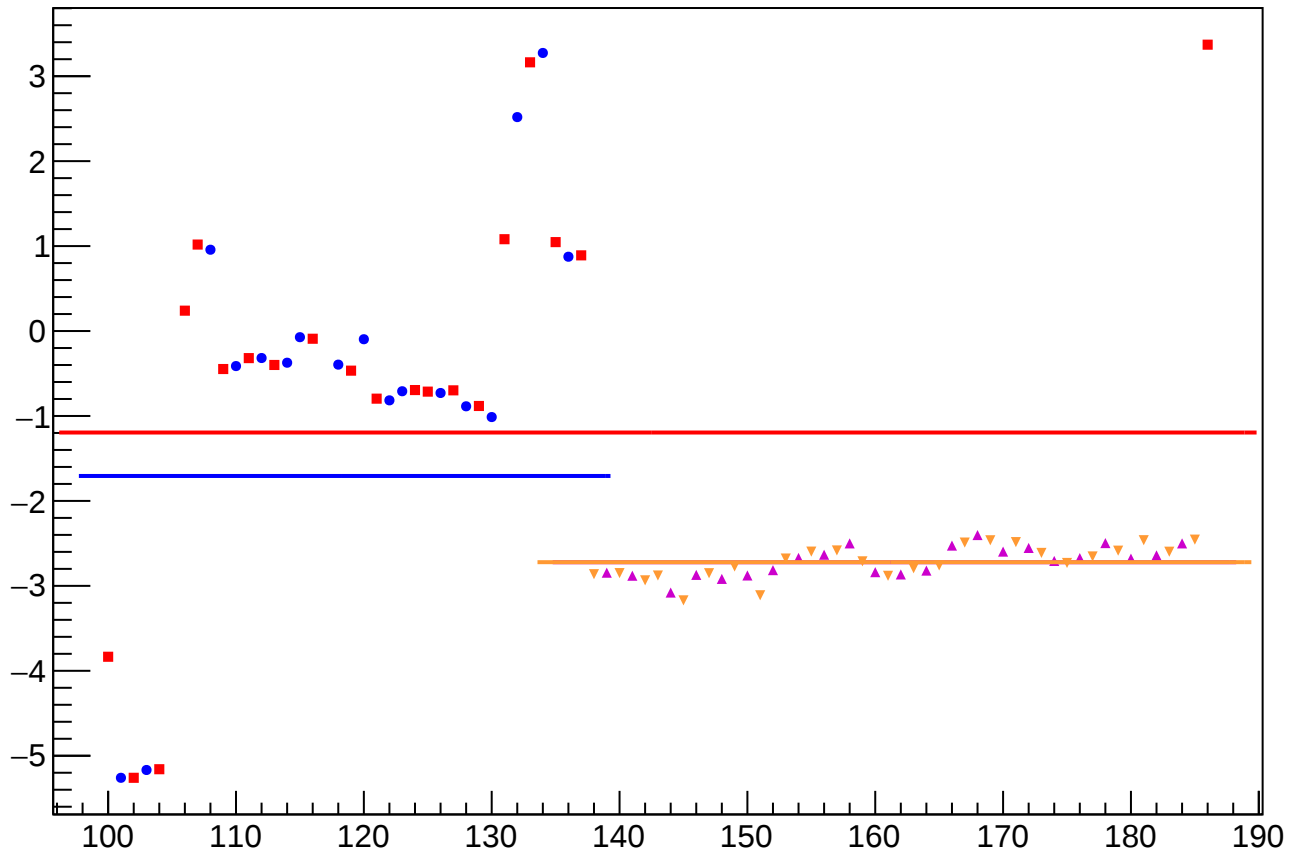
Left In: 0.064 $\pm$ 0.000 χ^2 /NDF: 6990231.5/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 31856997.2/41

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 62028262.4/84

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 30171246.2/42

yield_bpm0l04X_mean vs Slug



Right In: -1.706+/-0.000 χ^2/NDF : 166152957432.2/16

Left Out: -2.721+/-0.000 χ^2/NDF : 10397156971.6/24

Right Out: -1.195+/-0.000 χ^2/NDF : 190764365949.6/19

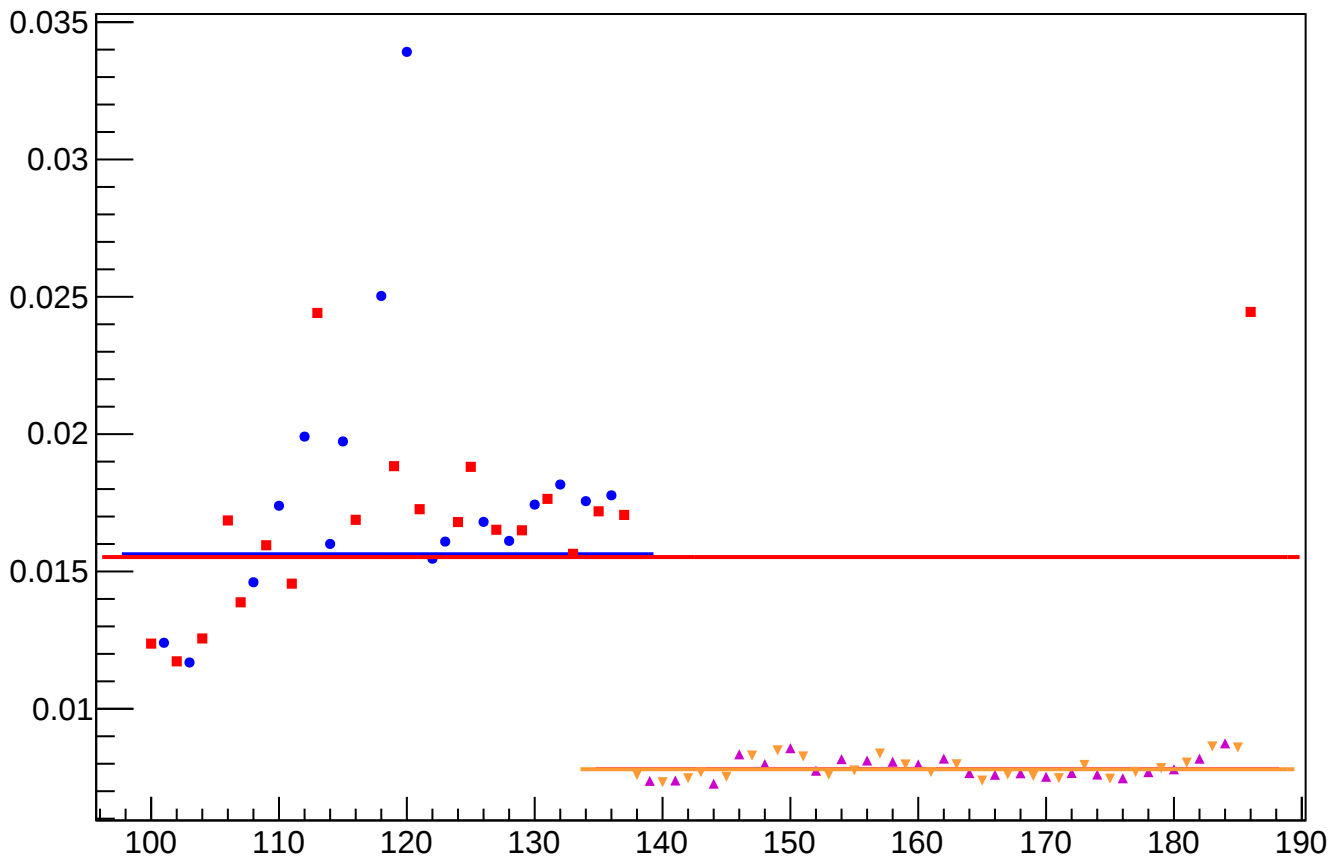
Left In: -2.722+/-0.000 χ^2/NDF : 8146484592.1/22

+ sign -2.647+/-0.000 χ^2/NDF : 198412030354.3/41

All: -2.617+/-0.000 χ^2/NDF : 455055073281.5

- sign -2.585+/-0.000 χ^2/NDF : 256053514873.1/42

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: 71164.4/24

Right Out: 0.016 $\pm$ 0.000 χ^2 /NDF: 443528.5/19

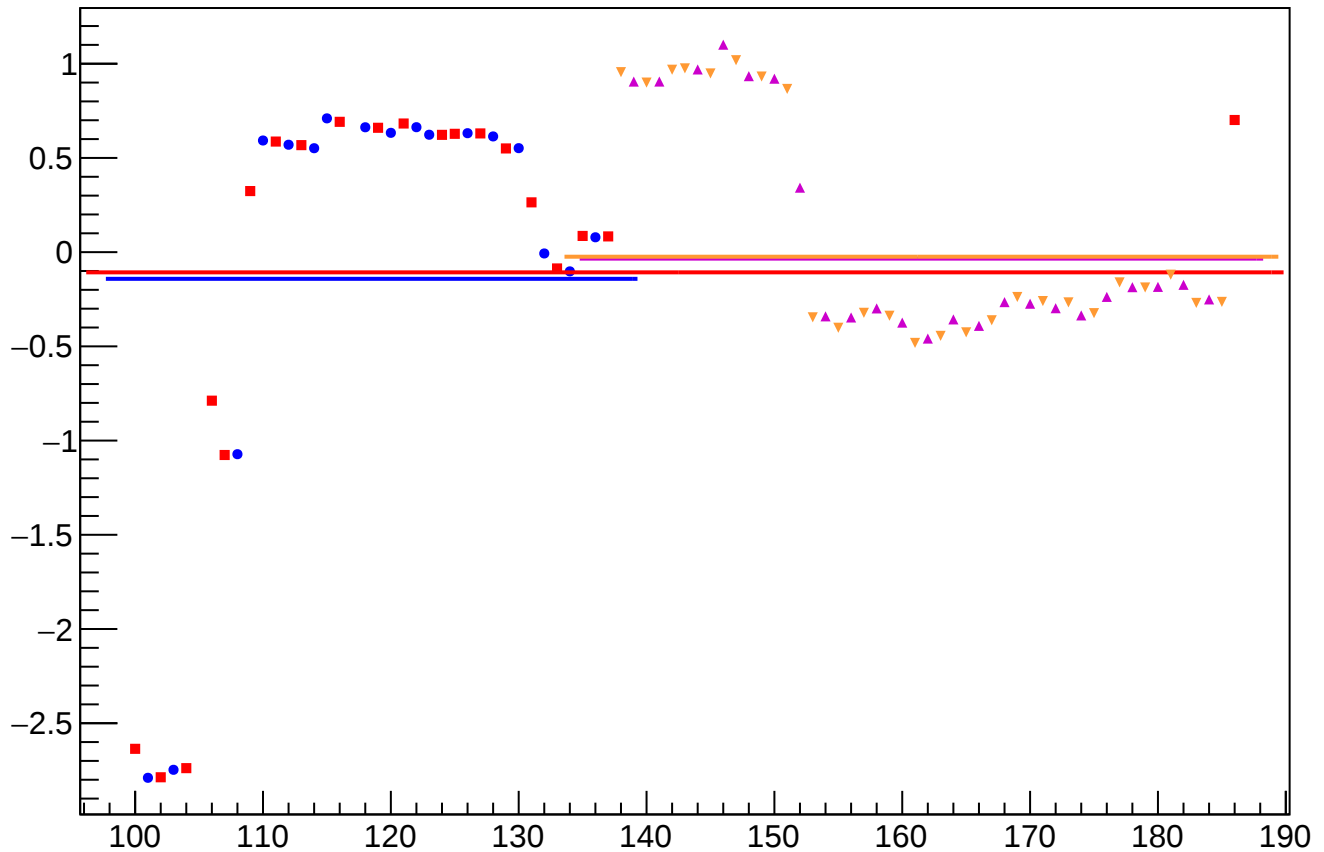
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 67610.2/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 3246814.0/41

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 6679159.6/84

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3427158.9/42

yield_bpm0l04Y_mean vs Slug



Right In: -0.142+/-0.000 χ^2/NDF : 713960839307.6/16

Left Out: -0.024+/-0.000 χ^2/NDF : 135451649275.0/24

Right Out: -0.107+/-0.000 χ^2/NDF : 770026930029.3/19

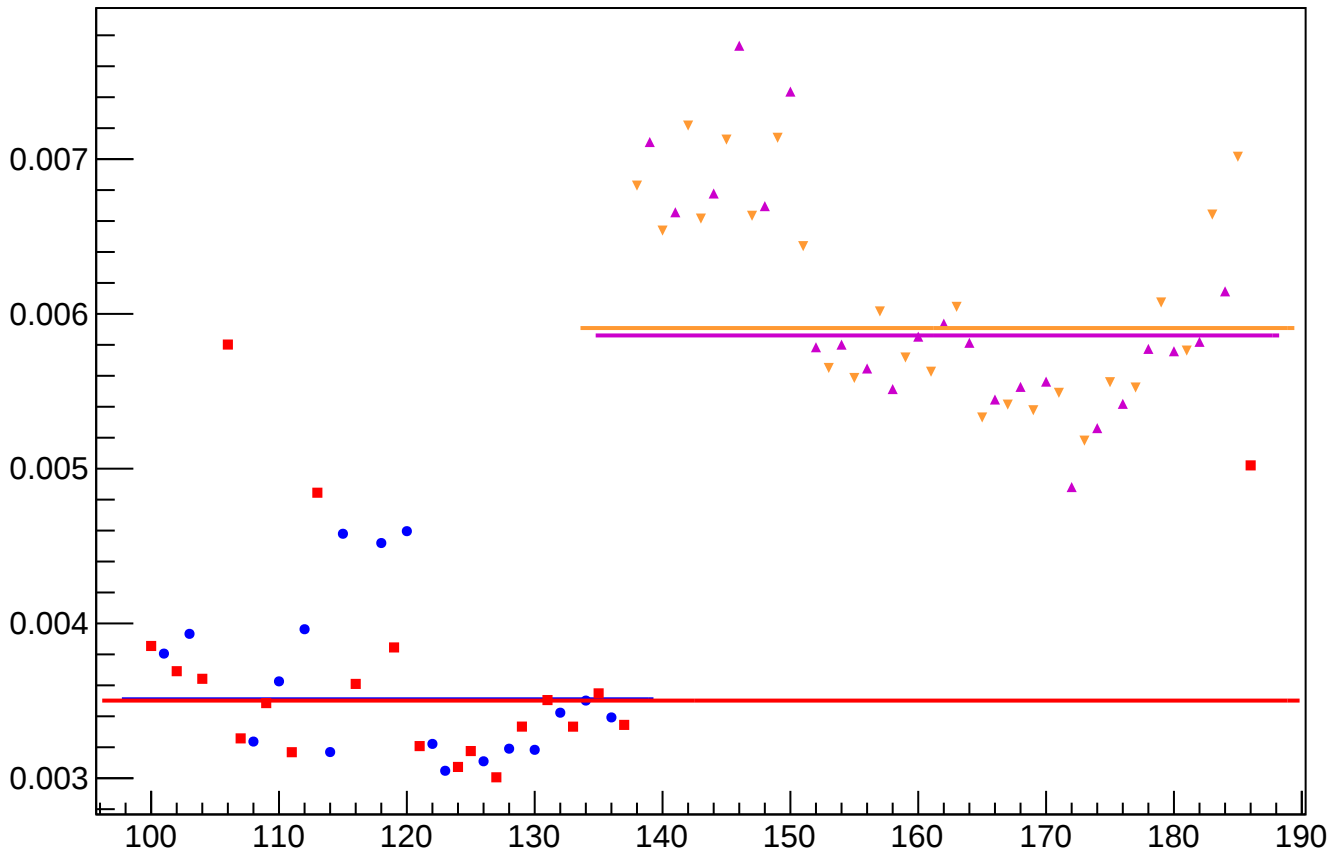
Left In: -0.034+/-0.000 χ^2/NDF : 113929060918.1/22

+ sign -0.085+/-0.000 χ^2/NDF : 852834716055.6/41

All: -0.079+/-0.000 χ^2/NDF : 1738205425199

- sign -0.075+/-0.000 χ^2/NDF : 885319906574.0/42

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 : 314309.7/24

Right Out: 0.004+/-0.000 χ^2/NDF : 281822.2/19

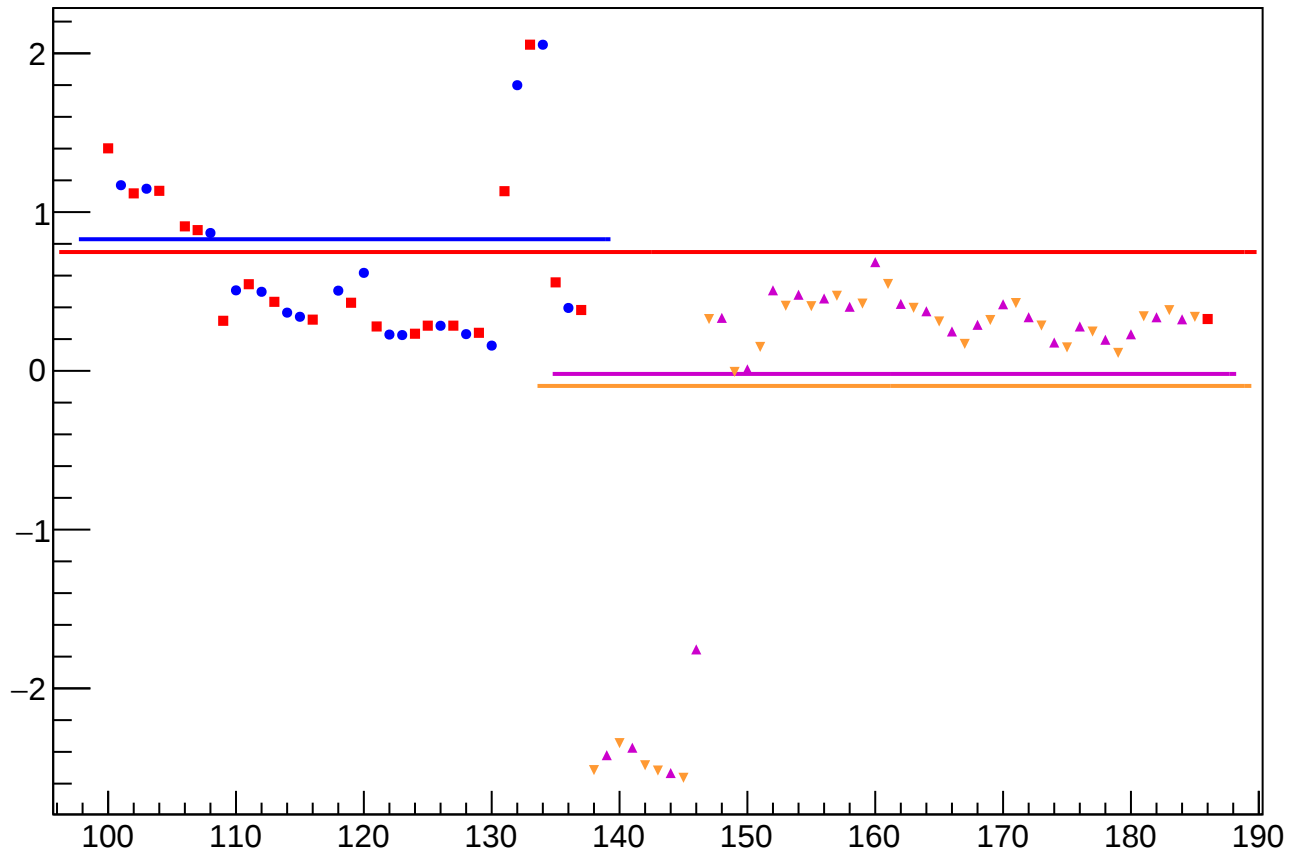
Left In: 0.006+/-0.000 χ^2/NDF : 364512.1/22

+ sign 0.005+/-0.000 χ^2/NDF : 3341767.5/41

All: 0.005+/-0.000 χ^2/NDF : 6859334.2/84

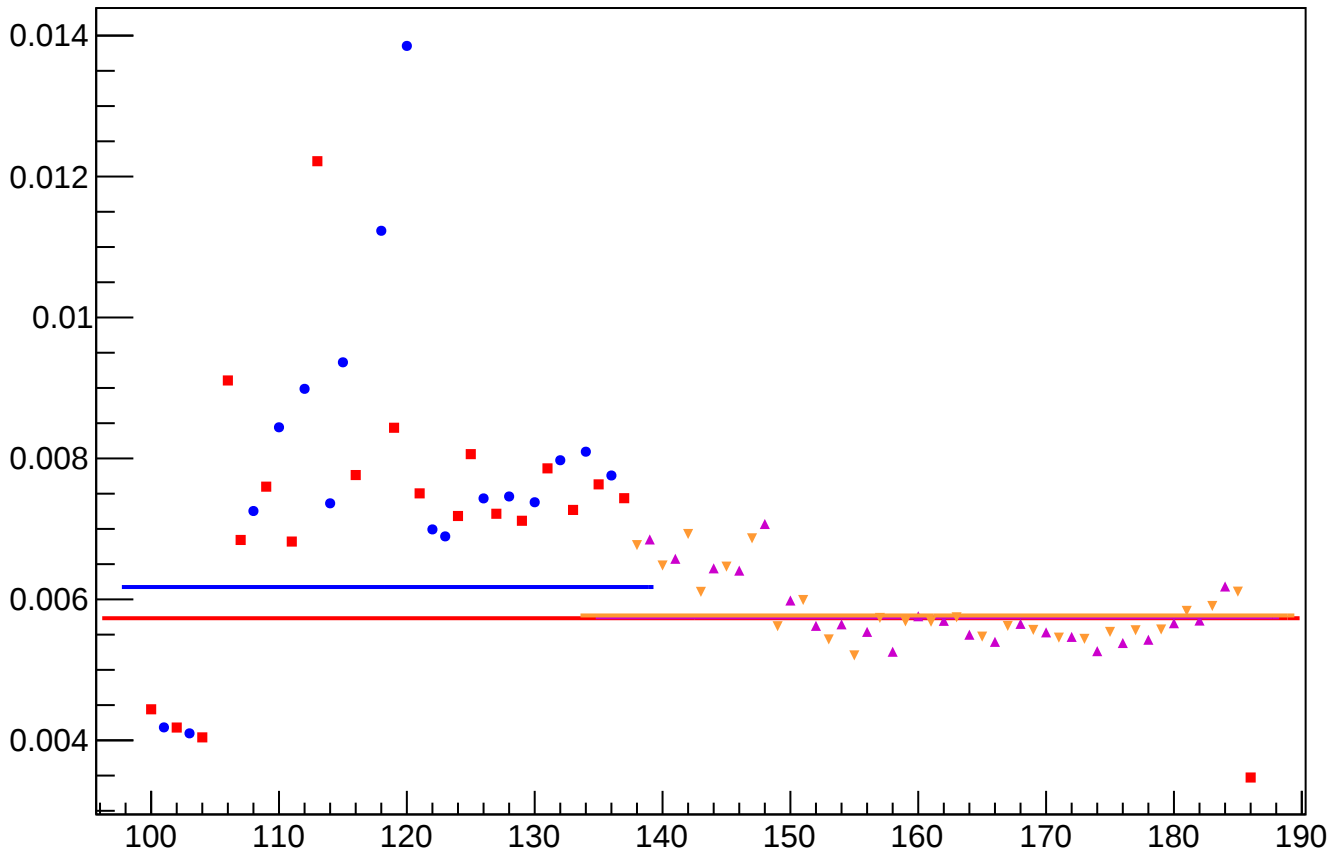
- sign 0.005+/-0.000 χ^2/NDF : 3504007.1/42

yield_bpm0l05X_mean vs Slug



Right In: 0.829+/-0.000	χ^2/NDF : 31663410264.3/16	+ sign 0.101+/-0.000	χ^2/NDF : 630772244528.3/41
Left Out: -0.095+/-0.000	χ^2/NDF : 505606573631.9/24	All: 0.145+/-0.000	χ^2/NDF : 1168398604812.0
Right Out: 0.748+/-0.000	χ^2/NDF : 39745092507.3/19	- sign 0.187+/-0.000	χ^2/NDF : 535169308397.0/42
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 :177680.7/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1385774.3/19

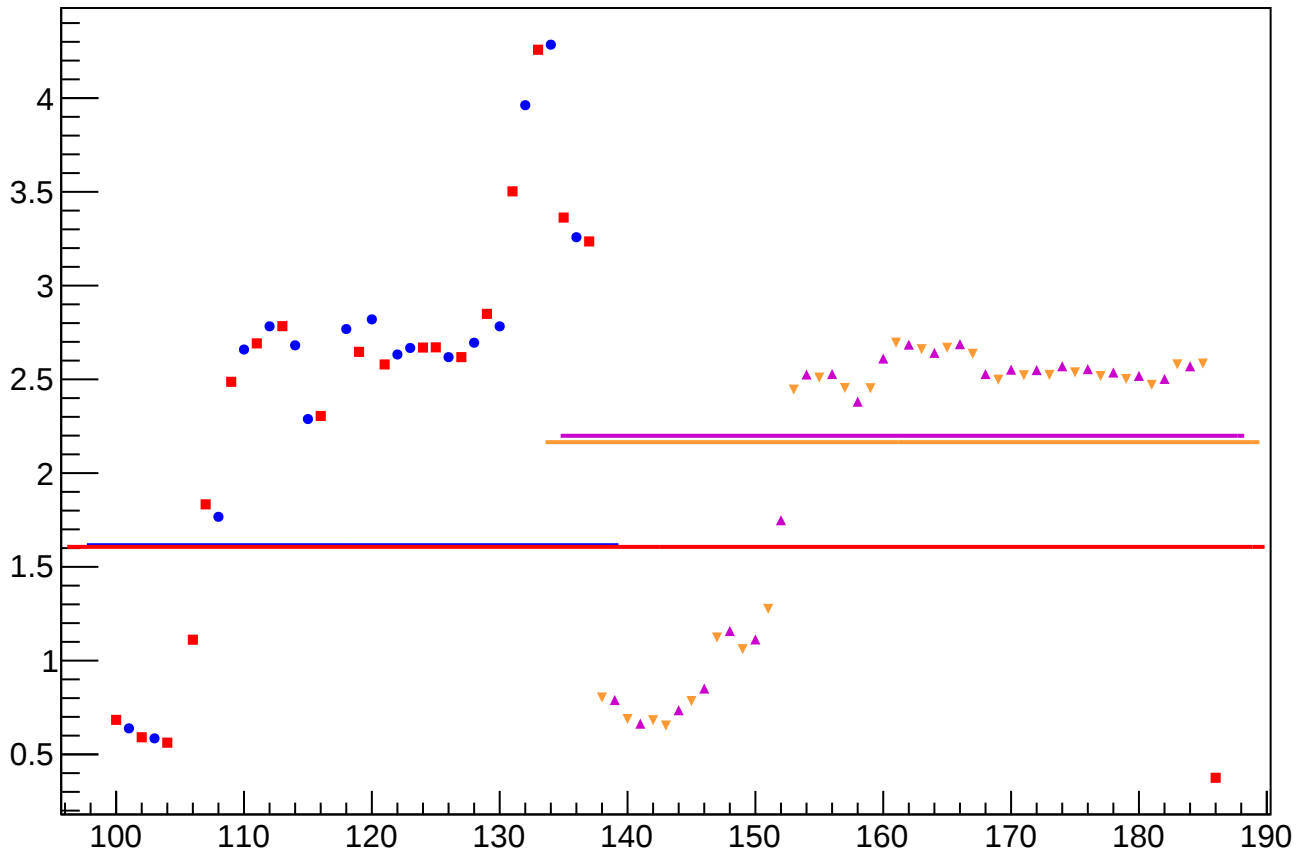
Left In: 0.006+/-0.000 χ^2/NDF :204066.4/22

+ sign 0.006+/-0.000 χ^2/NDF : 1435231.6/41

All: 0.006+/-0.000 χ^2/NDF : 3033910.9/84

- sign 0.006+/-0.000 χ^2/NDF : 1589890.2/42

yield_bpm0l05Y_mean vs Slug



Right In: 1.616+/-0.000 χ^2/NDF : 202687681737.9/16

Left Out: 2.165+/-0.000 χ^2/NDF : 292800056899.6/24

Right Out: 1.607+/-0.000 χ^2/NDF : 246467374280.5/19

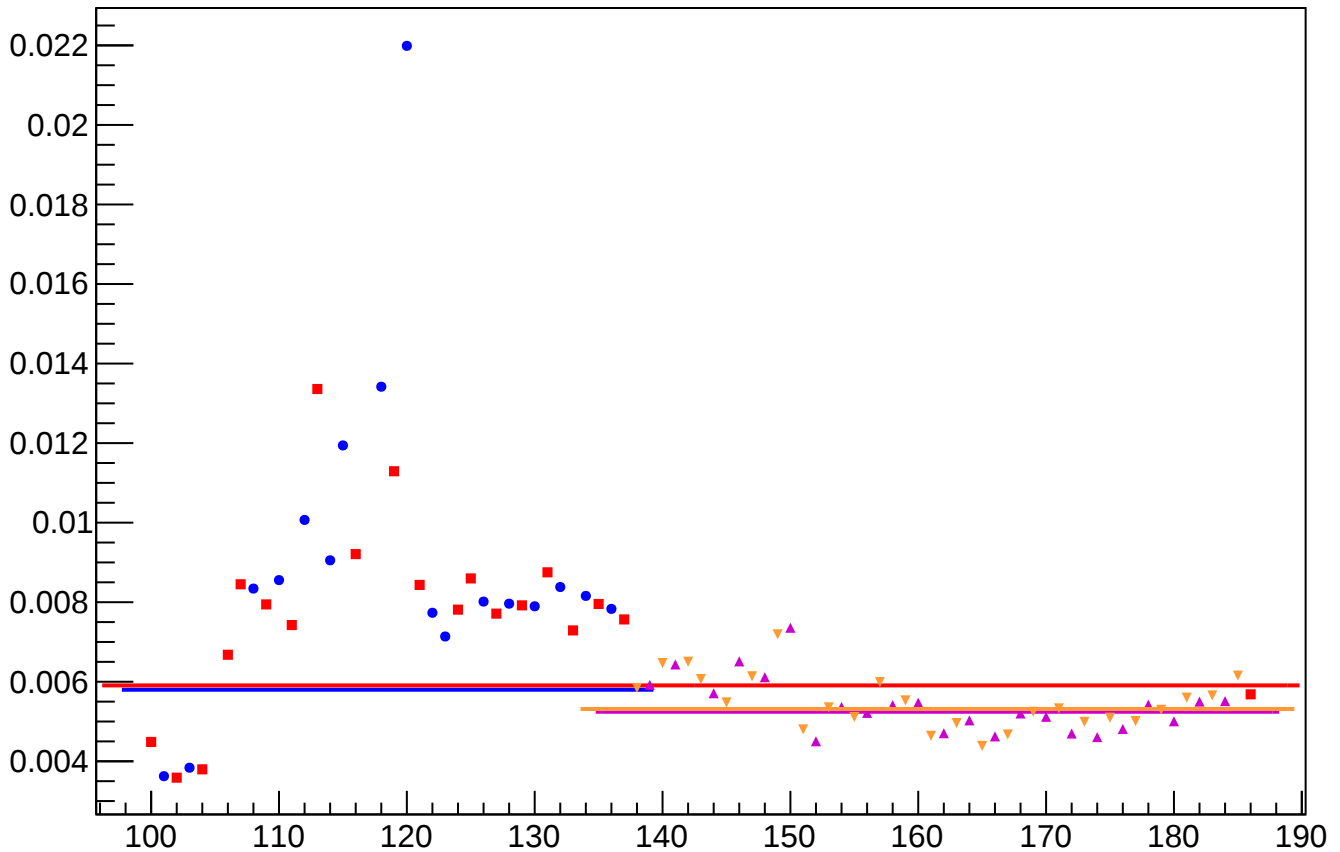
Left In: 2.199+/-0.000 χ^2/NDF : 253166239065.4/22

+ sign 2.057+/-0.000 χ^2/NDF : 530224631802.4/41

All: 2.062+/-0.000 χ^2/NDF : 1074592320326.

- sign 2.067+/-0.000 χ^2/NDF : 544331948244.9/42

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 : 398795.0/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1678458.9/19

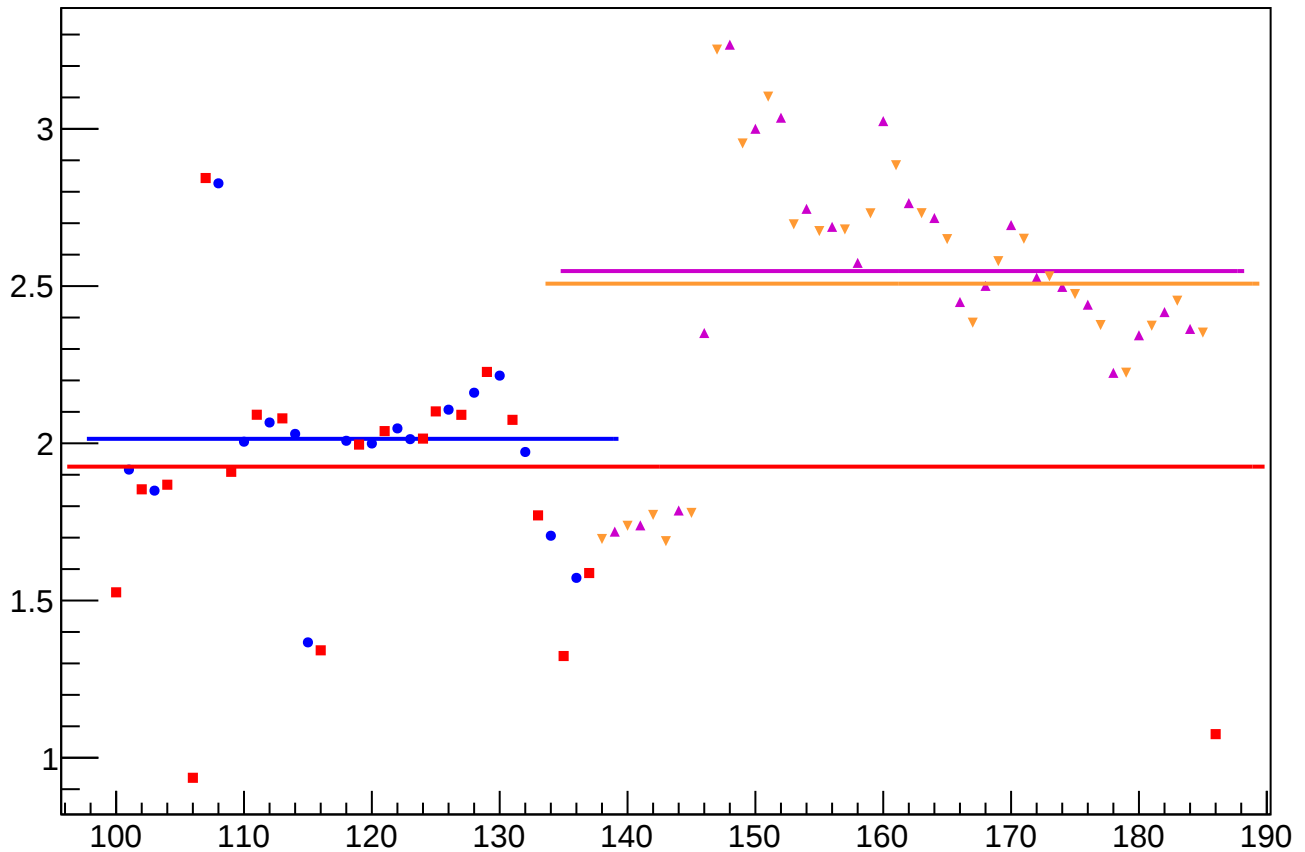
Left In: 0.005+/-0.000 χ^2/NDF : 425864.8/22

+ sign 0.005+/-0.000 χ^2/NDF : 2364156.4/41

All: 0.005+/-0.000 χ^2/NDF : 4580428.7/84

- sign 0.005+/-0.000 χ^2/NDF : 2216055.4/42

yield_bpm0l06X_mean vs Slug



Right In: 2.014 $\pm$ 0.000 χ^2 /NDF: 12207088036.2/16

Left Out: 2.508 $\pm$ 0.000 χ^2 /NDF: 52355332406.0/24

Right Out: 1.926 $\pm$ 0.000 χ^2 /NDF: 23707679607.4/19

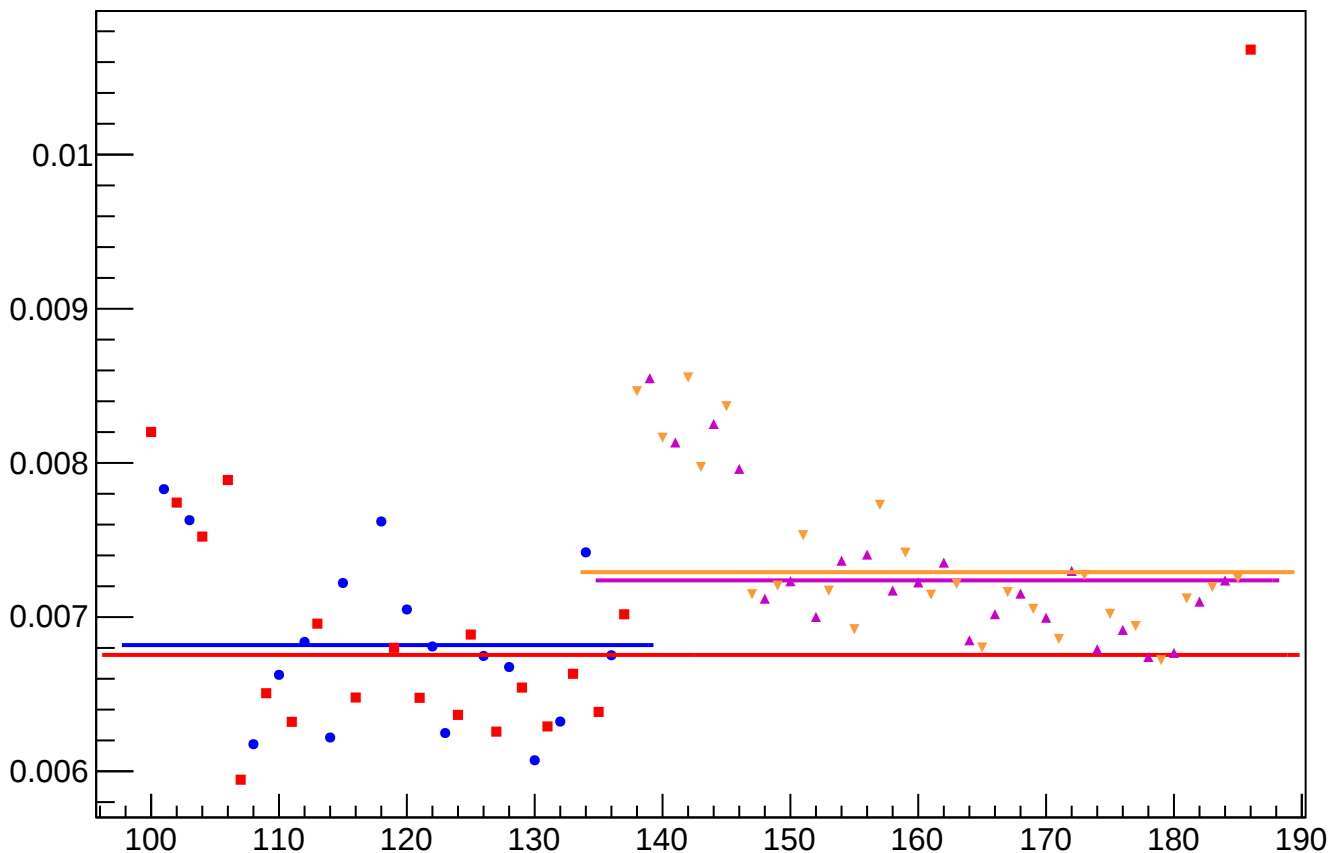
Left In: 2.548 $\pm$ 0.000 χ^2 /NDF: 45350336058.7/22

+ sign 2.363 $\pm$ 0.000 χ^2 /NDF: 88024013988.7/41

All: 2.353 $\pm$ 0.000 χ^2 /NDF: 197415757478.3

- sign 2.344 $\pm$ 0.000 χ^2 /NDF: 109303035380.0/42

yield_bpm0l06X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 76886.5/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:140788.4/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 174359.1/19

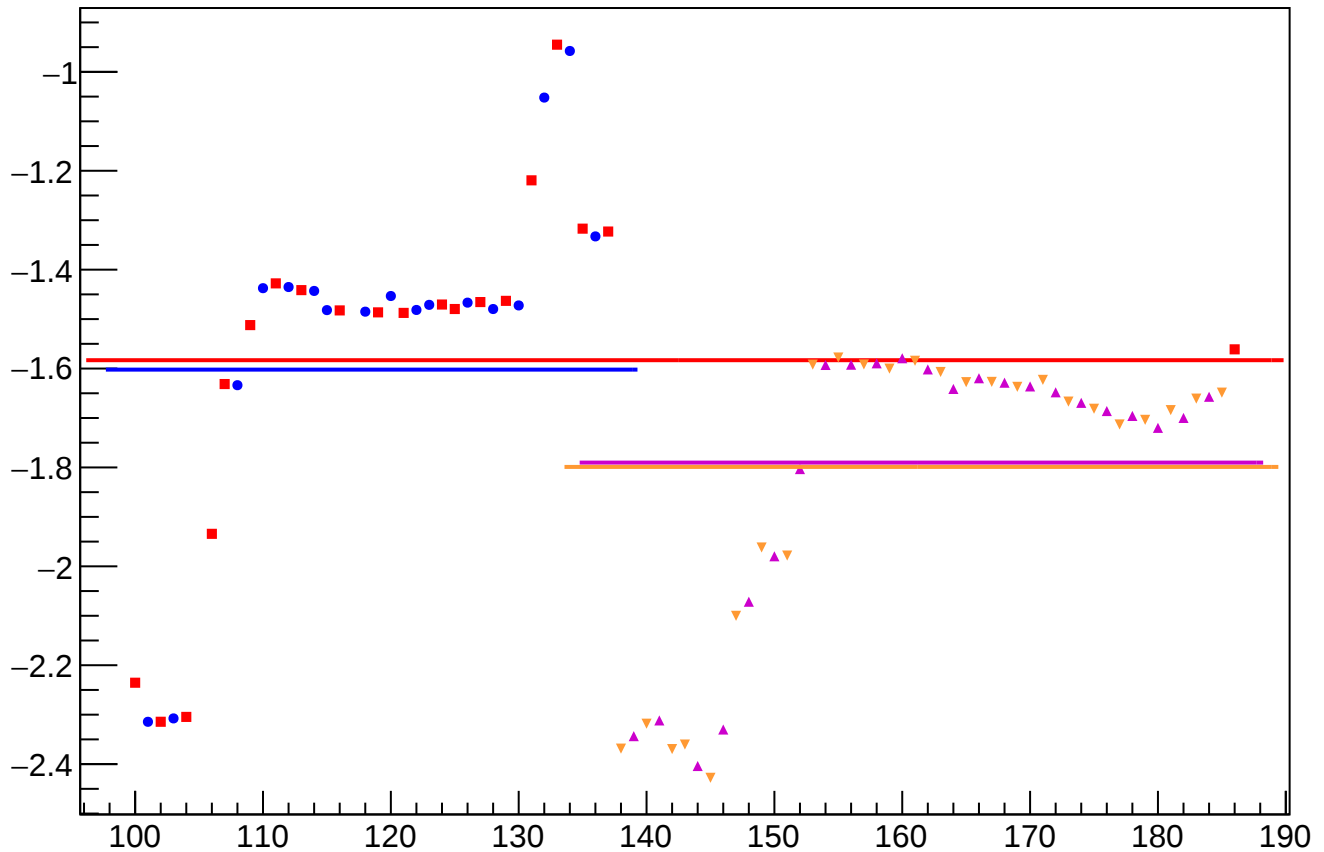
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:125233.2/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 260809.8/41

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 611557.3/84

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 348218.7/42

yield_bpm0l06Y_mean vs Slug



Right In: -1.602+/-0.000 χ^2 /NDF: 140170767010.0/16

Left Out: -1.799+/-0.000 χ^2 /NDF: 185362087438.8/24

Right Out: -1.583+/-0.000 χ^2 /NDF: 143844659240.6/19

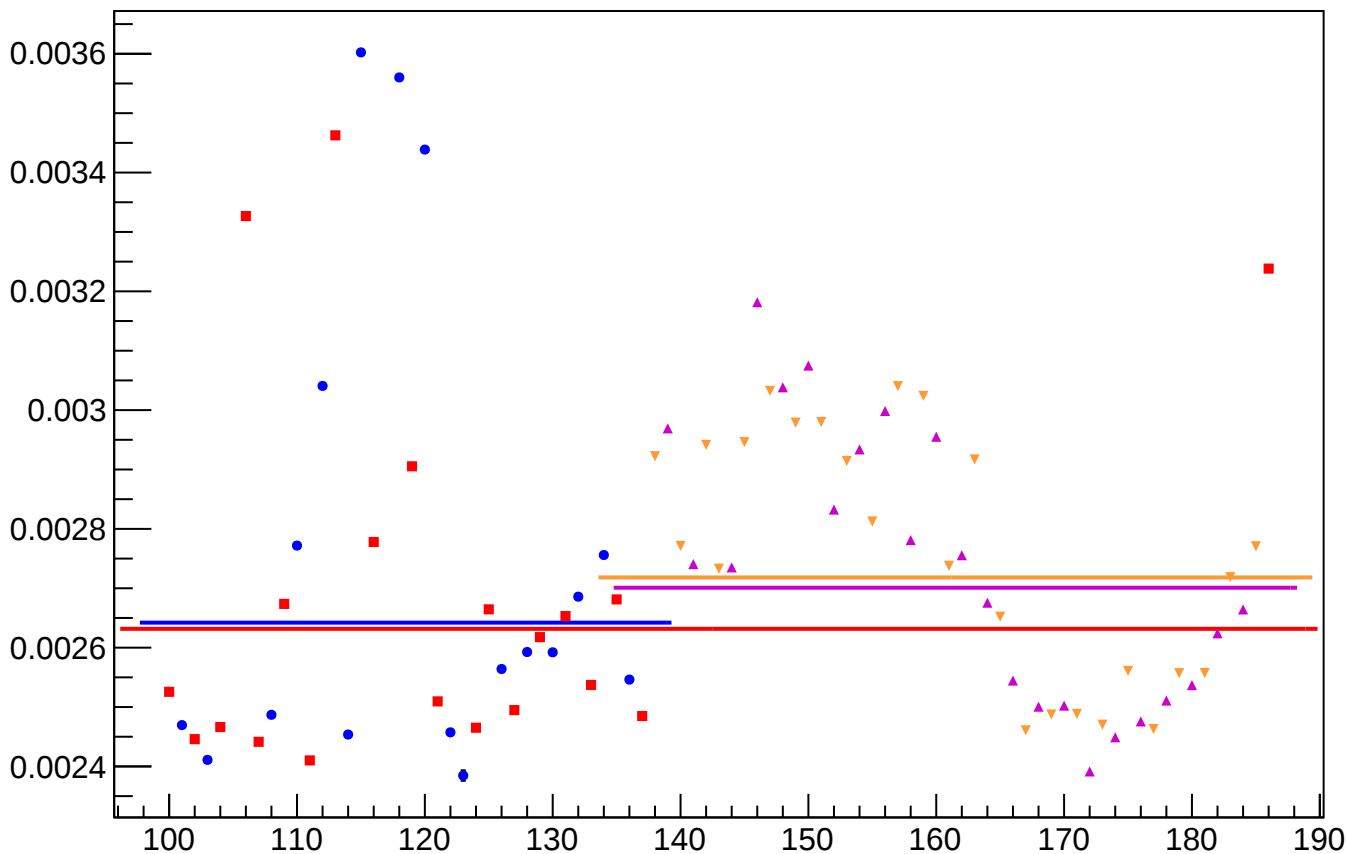
Left In: -1.790+/-0.000 χ^2 /NDF: 159648935510.8/22

+ sign -1.745+/-0.000 χ^2 /NDF: 350705465815.0/41

All: -1.736+/-0.000 χ^2 /NDF: 684795963586.4

- sign -1.726+/-0.000 χ^2 /NDF: 333528802690.9/42

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 :199695.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 131580.5/19

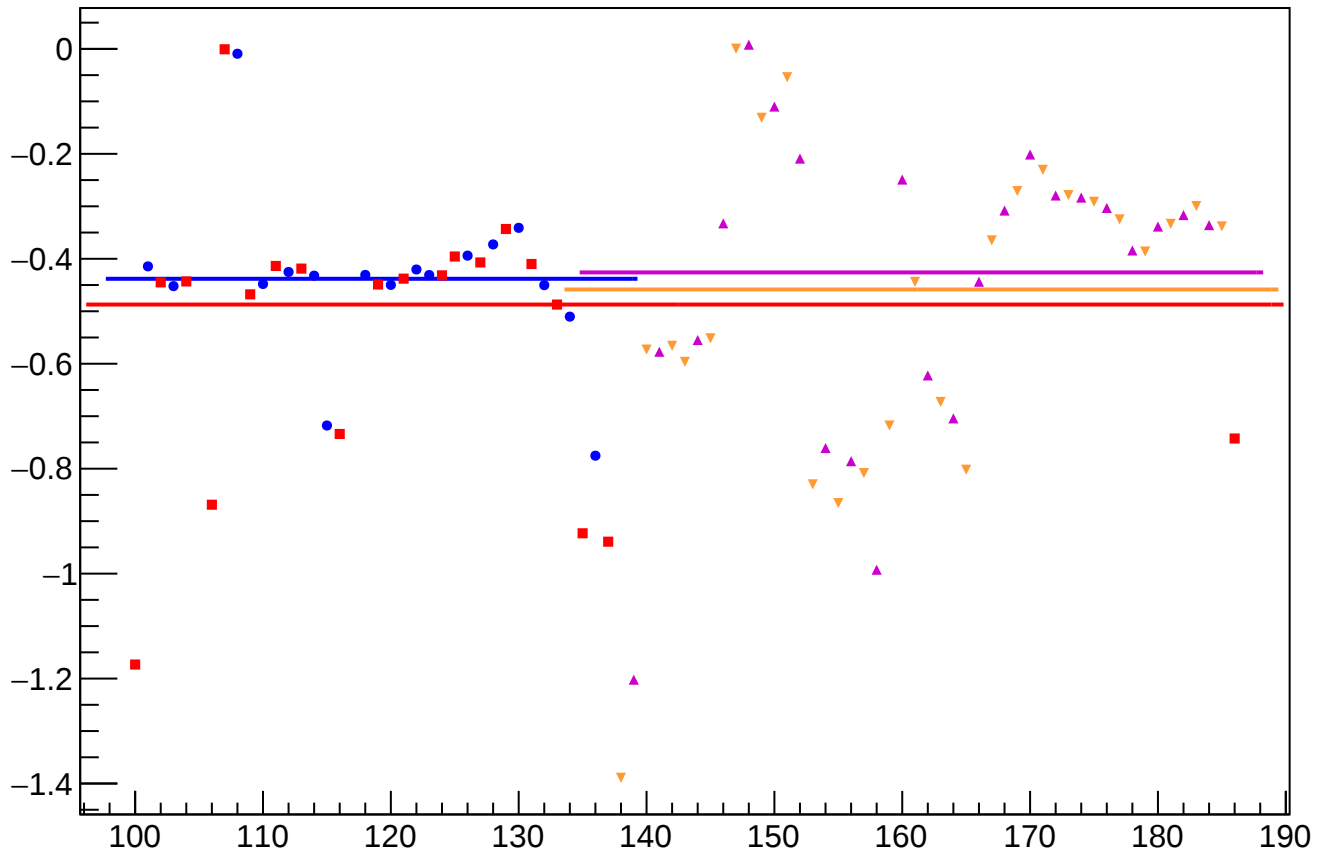
Left In: 0.003+/-0.000 χ^2/NDF :220327.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 359143.5/41

All: 0.003+/-0.000 χ^2/NDF : 718798.0/84

- sign 0.003+/-0.000 χ^2/NDF : 358623.9/42

yield_bpm0l07X_mean vs Slug



Right In: -0.438 ± 0.000 $\chi^2/\text{NDF}: 1461198978.4/16$

Left Out: -0.459 ± 0.000 $\chi^2/\text{NDF}: 9916462814.9/24$

Right Out: -0.487 ± 0.000 $\chi^2/\text{NDF}: 2767234975.8/19$

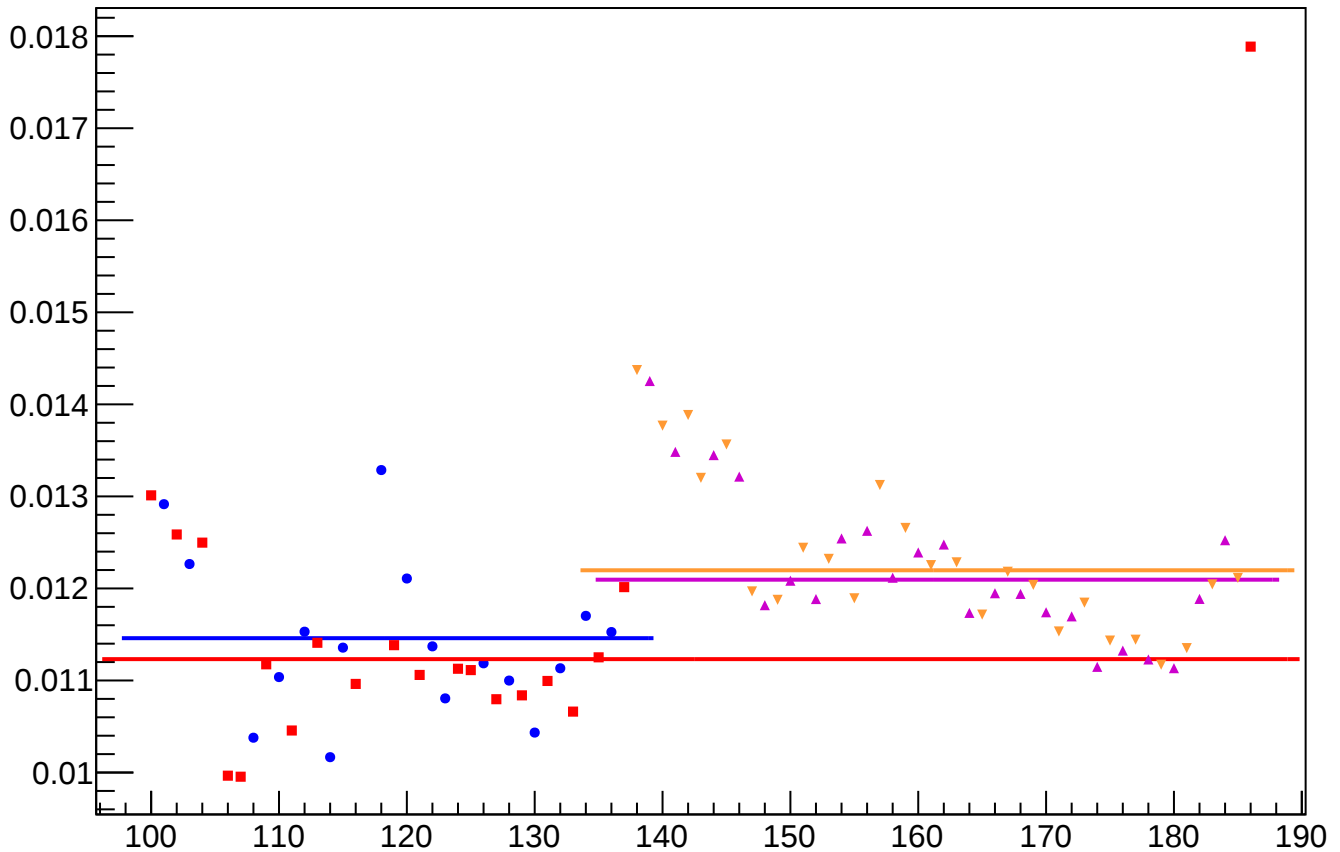
Left In: -0.426 ± 0.000 $\chi^2/\text{NDF}: 8424222576.0/22$

+ sign -0.453 ± 0.000 $\chi^2/\text{NDF}: 11392105577.4/41$

All: -0.449 ± 0.000 $\chi^2/\text{NDF}: 22729164833.7/$

- sign -0.447 ± 0.000 $\chi^2/\text{NDF}: 11334006723.5/42$

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 : 141850.9/24

Right Out: 0.011+/-0.000 χ^2/NDF : 156444.2/19

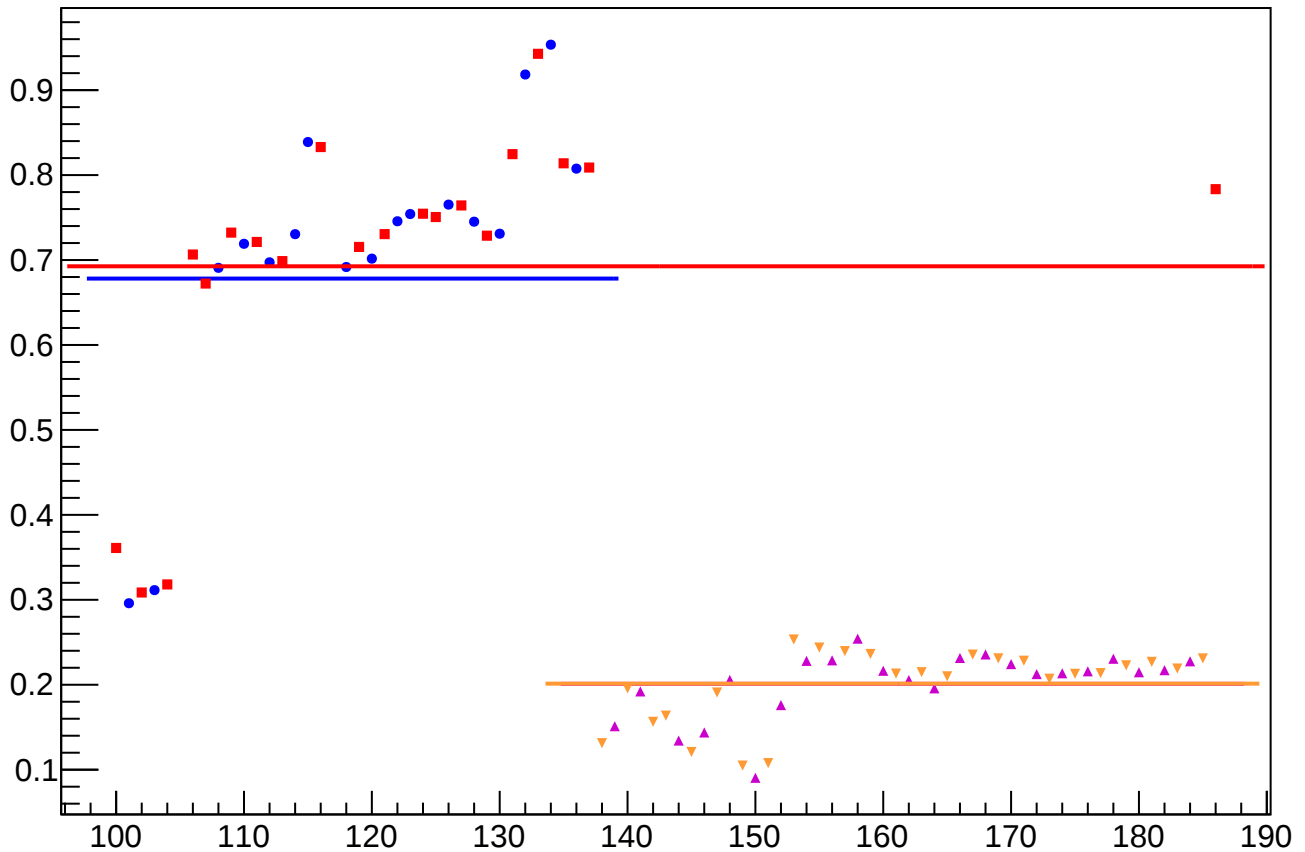
Left In: 0.012+/-0.000 χ^2/NDF : 127308.3/22

+ sign 0.012+/-0.000 χ^2/NDF : 244191.5/41

All: 0.012+/-0.000 χ^2/NDF : 589793.4/84

- sign 0.012+/-0.000 χ^2/NDF : 340431.1/42

yield_bpm0l07Y_mean vs Slug



Right In: 0.678 $\pm$ 0.000 χ^2 /NDF: 38485337866.0/16

Left Out: 0.201 $\pm$ 0.000 χ^2 /NDF: 7090760823.7/24

+ sign 0.297 $\pm$ 0.000 χ^2 /NDF: 229398764000.3/41

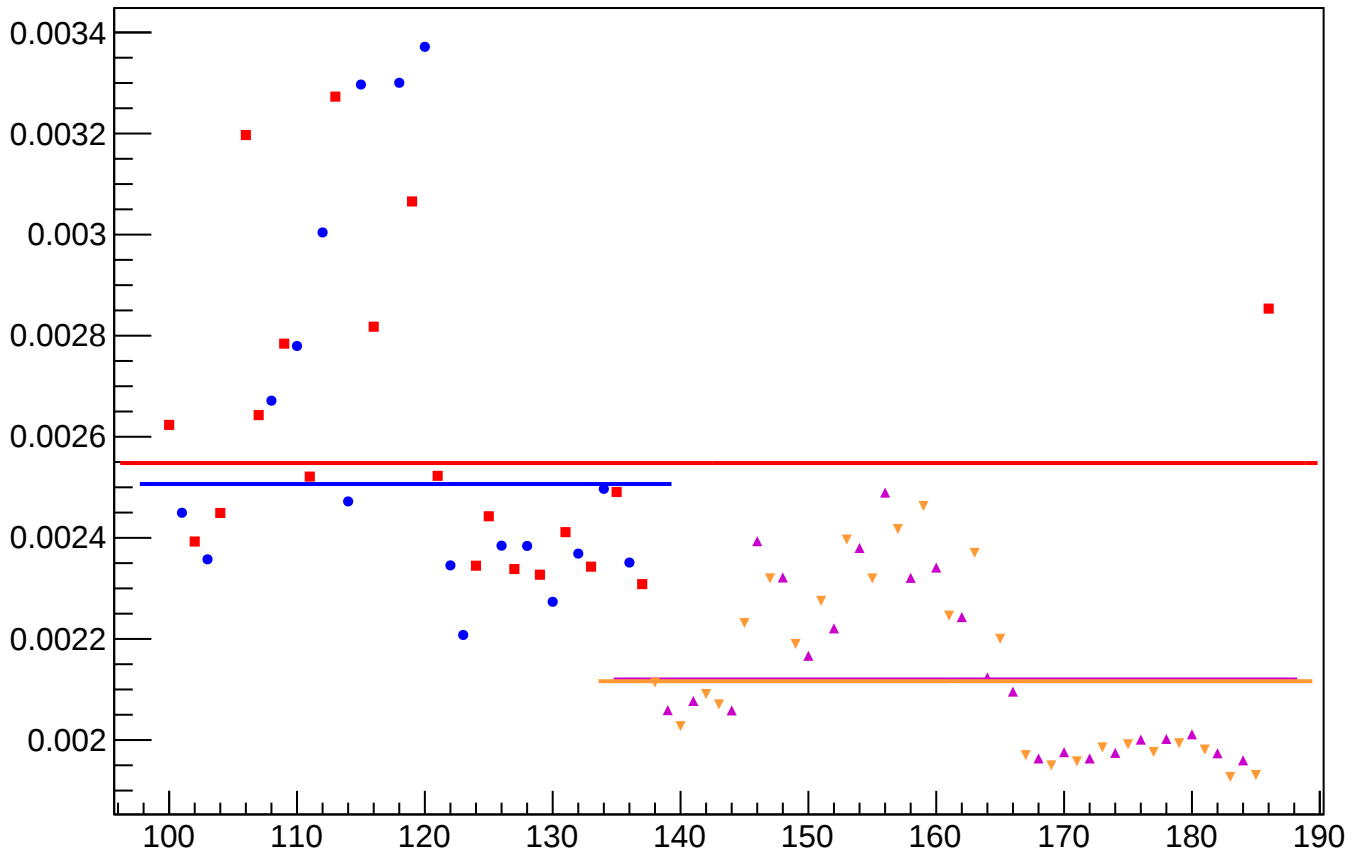
Right Out: 0.693 $\pm$ 0.000 χ^2 /NDF: 35686377380.0/19

All: 0.303 $\pm$ 0.000 χ^2 /NDF: 475249944430.3

- sign 0.310 $\pm$ 0.000 χ^2 /NDF: 245402078640.0/42

Left In: 0.201 $\pm$ 0.000 χ^2 /NDF: 5671770181.2/22

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 174398.1/16

Left Out: 0.002+/-0.000 χ^2/NDF :224498.3/24

Right Out: 0.003+/-0.000 χ^2/NDF : 140510.1/19

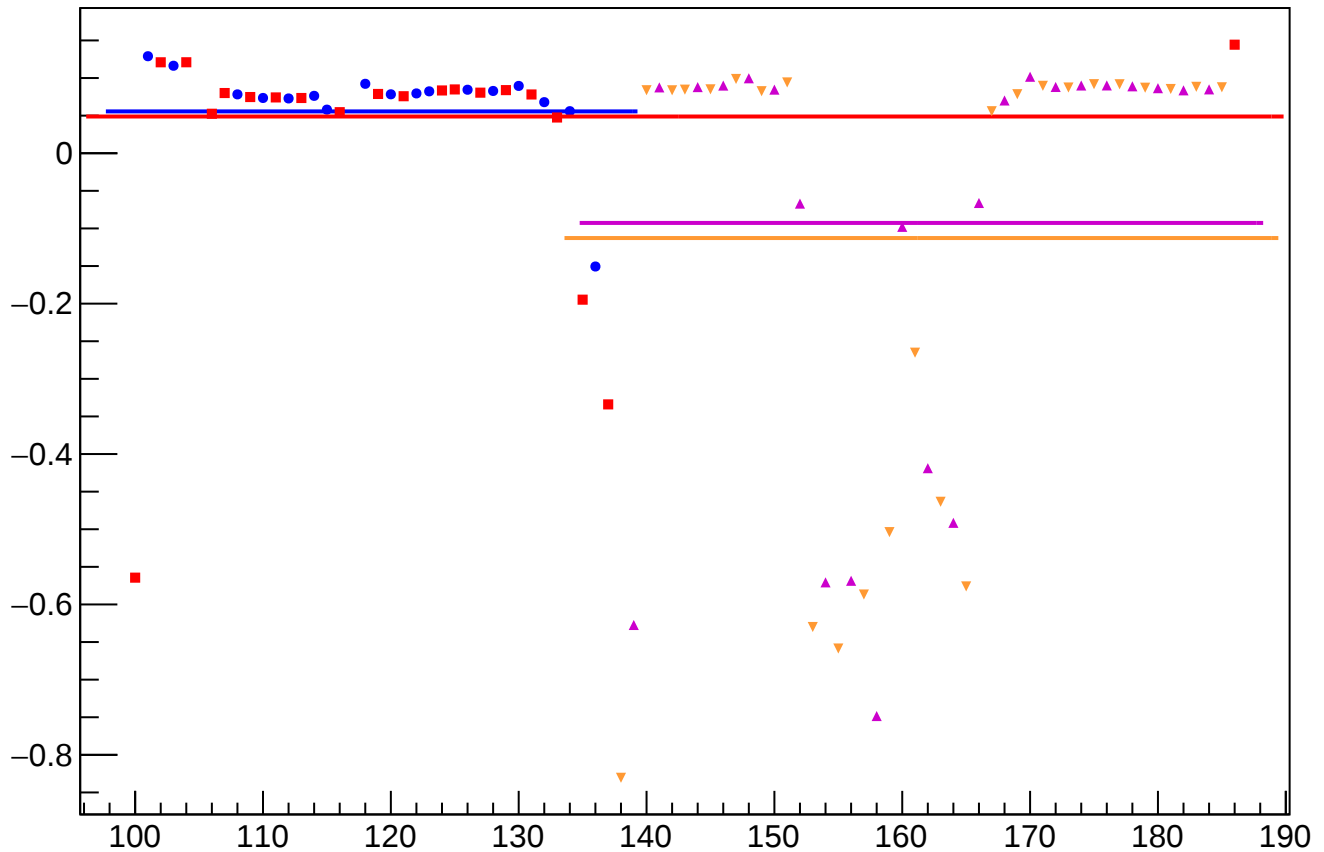
Left In: 0.002+/-0.000 χ^2/NDF :189228.6/22

+ sign 0.002+/-0.000 χ^2/NDF : 644983.9/41

All: 0.002+/-0.000 χ^2/NDF : 1286502.7/84

- sign 0.002+/-0.000 χ^2/NDF : 639450.8/42

yield_bpm0l08X_mean vs Slug



Right In: 0.056 $\pm$ 0.000 χ^2 /NDF: 422754930.4/16

Left Out: -0.113 $\pm$ 0.000 χ^2 /NDF: 13667354077.1/24

Right Out: 0.049 $\pm$ 0.000 χ^2 /NDF: 831915971.6/19

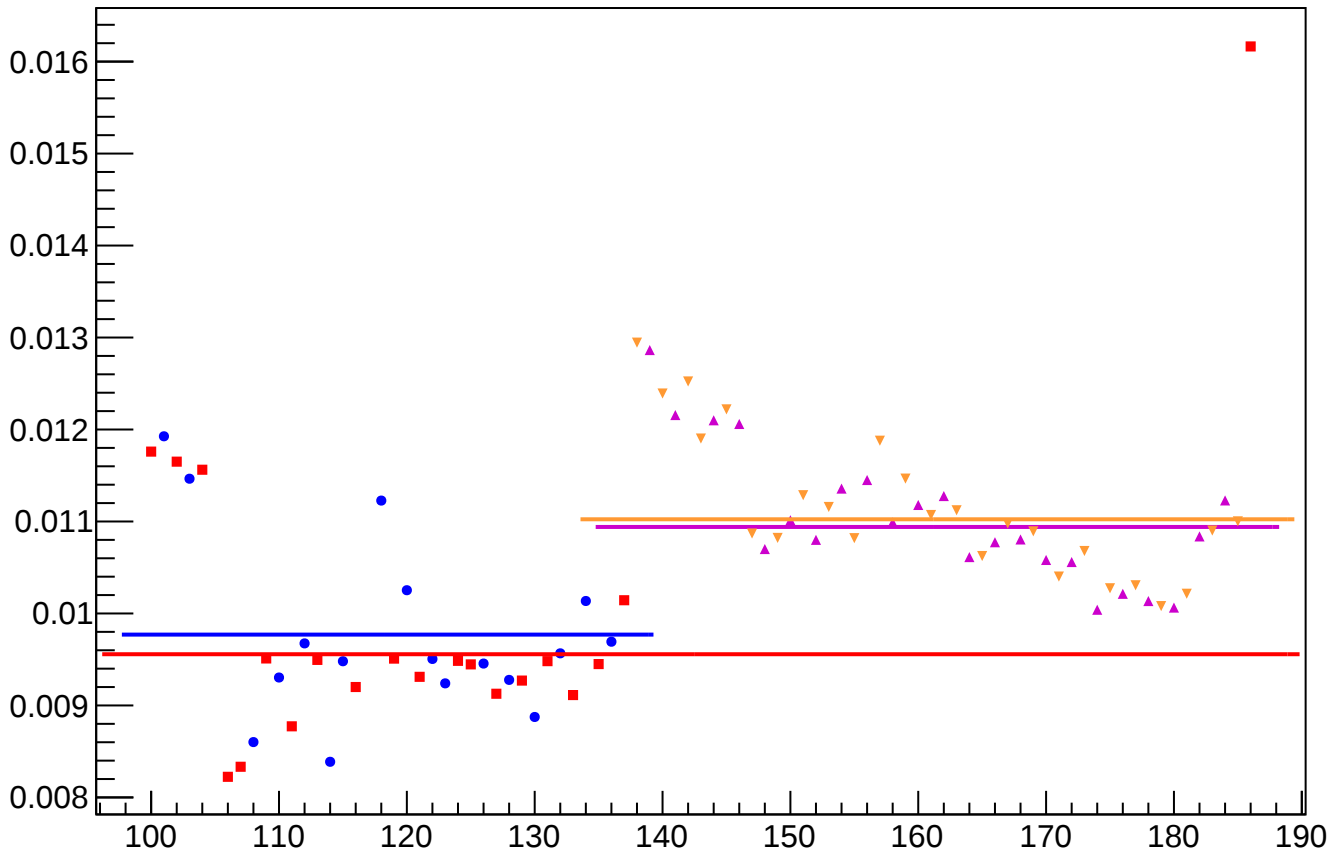
Left In: -0.093 $\pm$ 0.000 χ^2 /NDF: 11051944893.7/22

+ sign -0.059 $\pm$ 0.000 χ^2 /NDF: 15391477034.3/41

All: -0.050 $\pm$ 0.000 χ^2 /NDF: 28313813606.1/41

- sign -0.042 $\pm$ 0.000 χ^2 /NDF: 12888022260.4/42

yield_bpm0l08X_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 116013.9/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:141501.7/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 231168.3/19

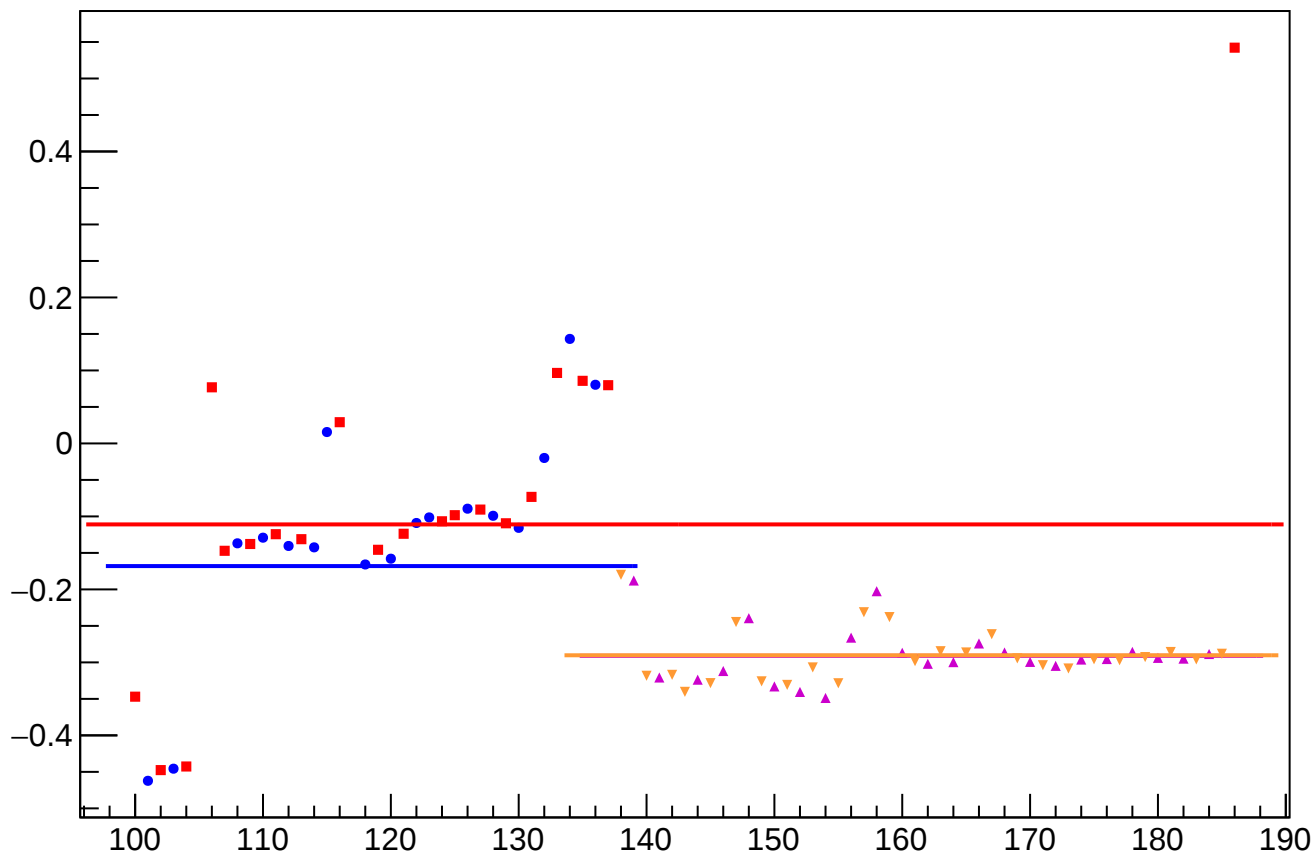
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:128914.2/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 401764.7/41

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 961273.8/84

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 552066.3/42

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 : 2877519093.0/24

Right Out: -0.111 ± 0.000 χ^2/NDF : 20862514078.1/19

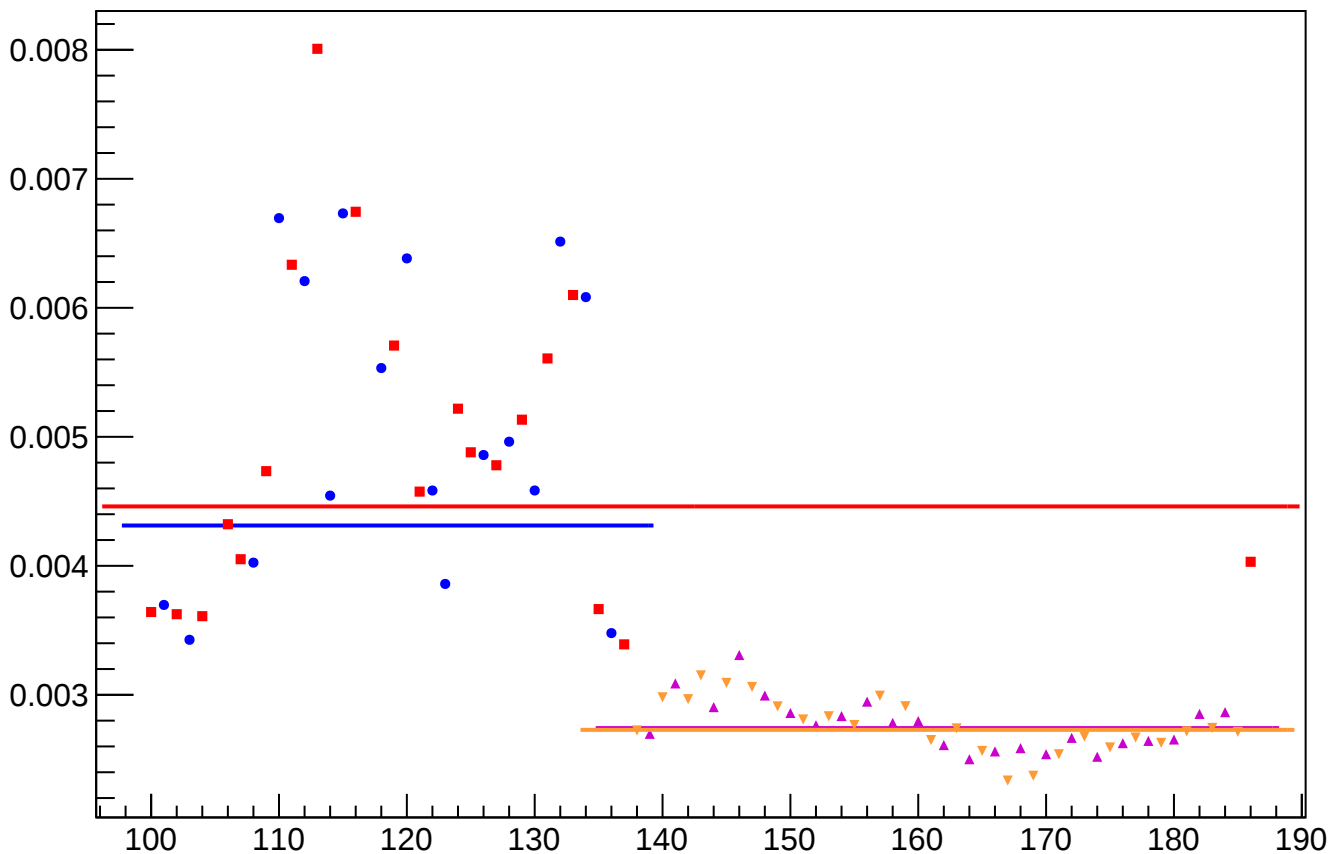
Left In: -0.291 ± 0.000 χ^2/NDF : 3125402243.3/22

+ sign -0.276 ± 0.000 χ^2/NDF : 19312594335.8/41

All: -0.272 ± 0.000 χ^2/NDF : 52682561891.2/42

- sign -0.268 ± 0.000 χ^2/NDF : 33277434118.7/42

yield_bpm0l08Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 618348.9/16

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 206527.1/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 647747.3/19

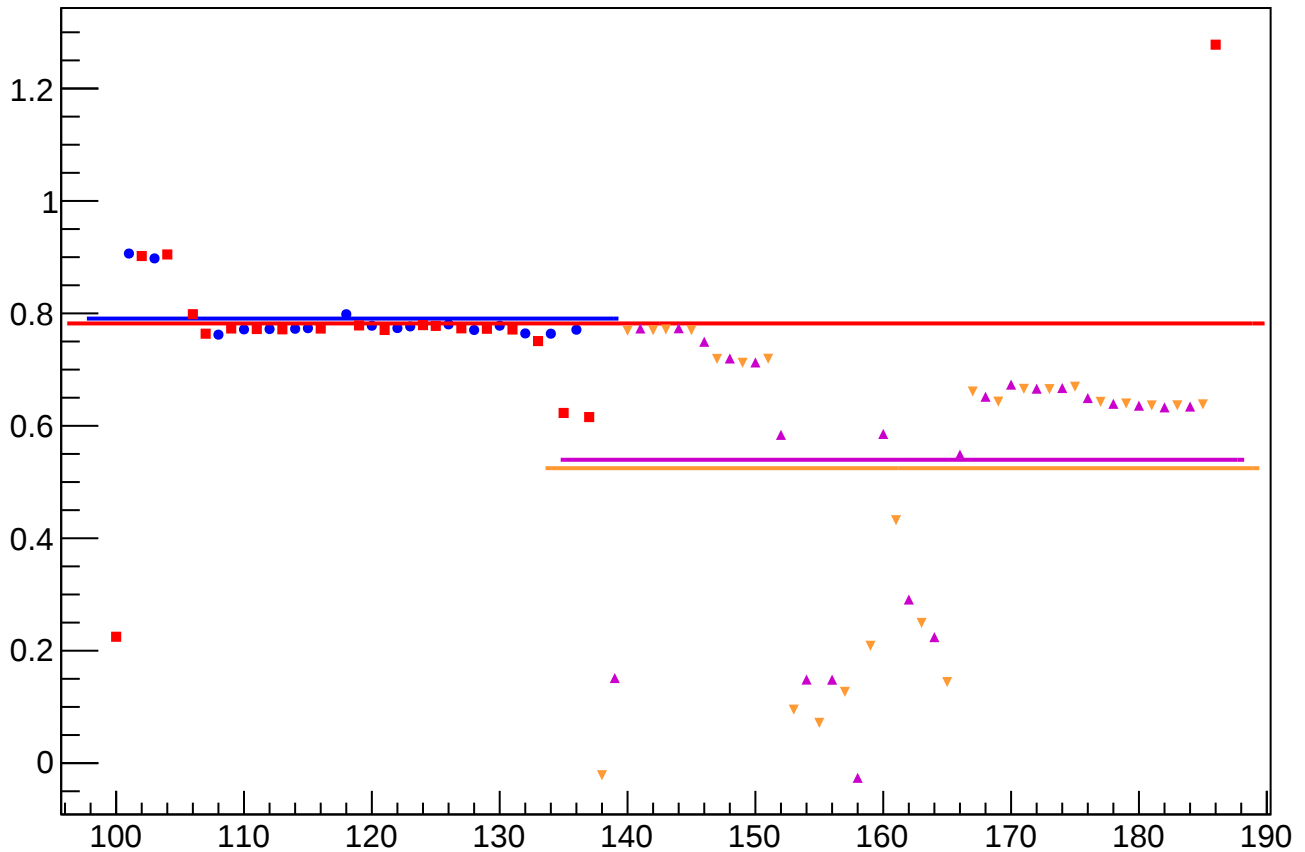
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 147778.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2203922.1/41

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 4698214.2/84

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2486981.7/42

yield_bpm0l09X_mean vs Slug



Right In: 0.791 $\pm$ 0.000 χ^2 /NDF: 106680493.2/16

Left Out: 0.525 $\pm$ 0.000 χ^2 /NDF: 9623503169.9/24

Right Out: 0.782 $\pm$ 0.000 χ^2 /NDF: 753611592.3/19

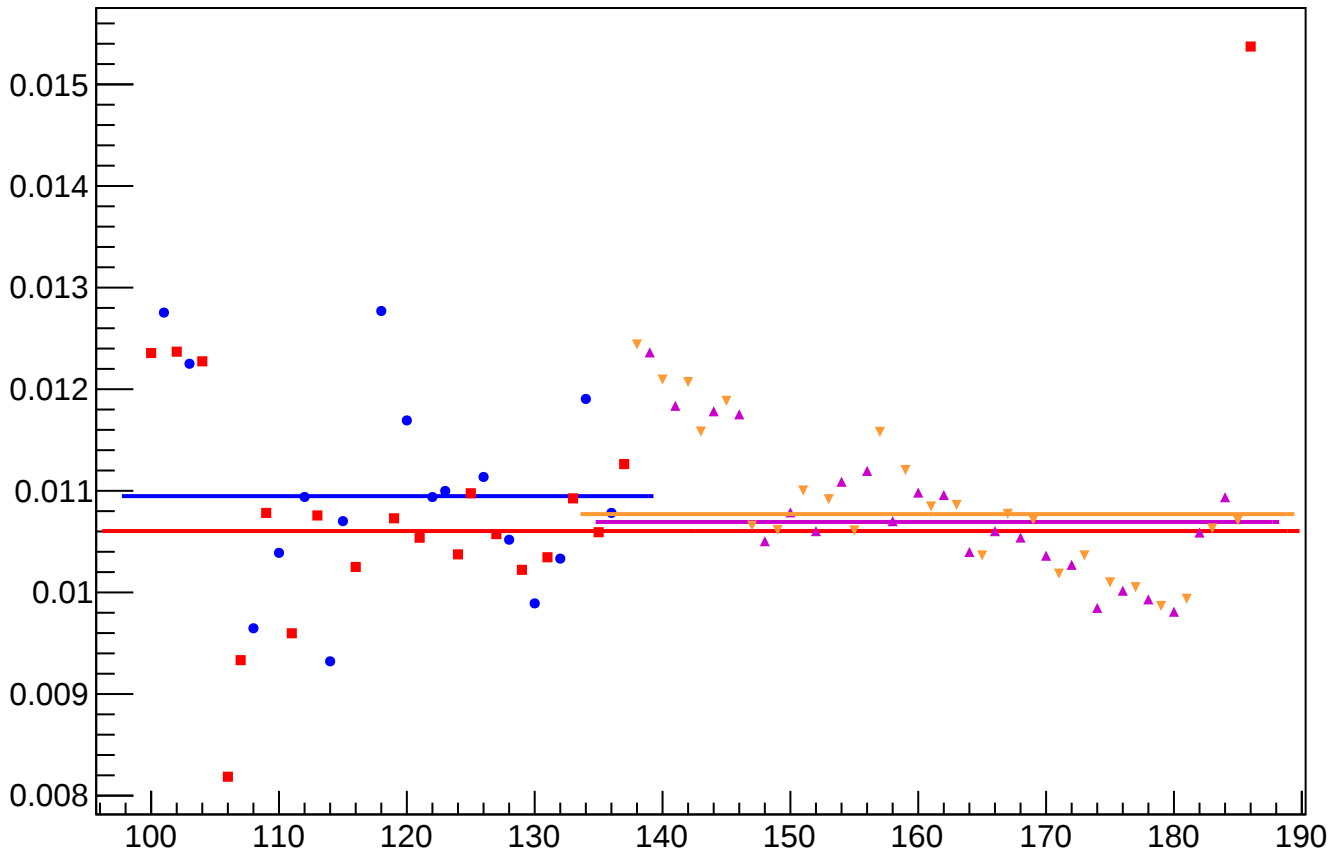
Left In: 0.540 $\pm$ 0.000 χ^2 /NDF: 7860539135.5/22

+ sign 0.594 $\pm$ 0.000 χ^2 /NDF: 12537641618.8/41

All: 0.604 $\pm$ 0.000 χ^2 /NDF: 23808261575.5/8

- sign 0.614 $\pm$ 0.000 χ^2 /NDF: 11230259424.1/42

yield_bpm0l09X_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 98019.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:131630.9/24

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 189454.3/19

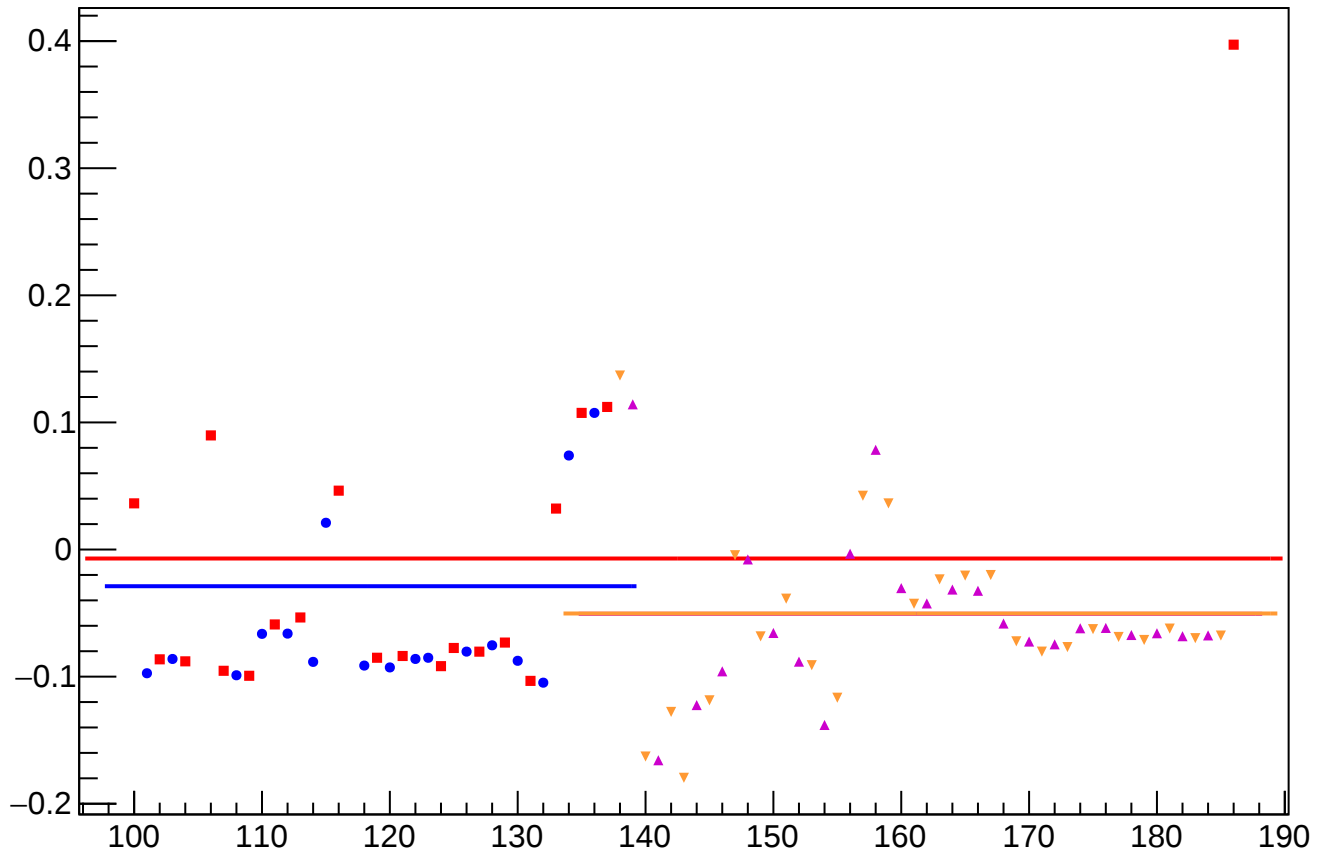
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:119273.2/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 232127.6/41

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 546285.9/84

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 309433.6/42

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 : 7271496478.6/24

+ sign -0.047+/-0.000 χ^2/NDF : 9837434968.2/41

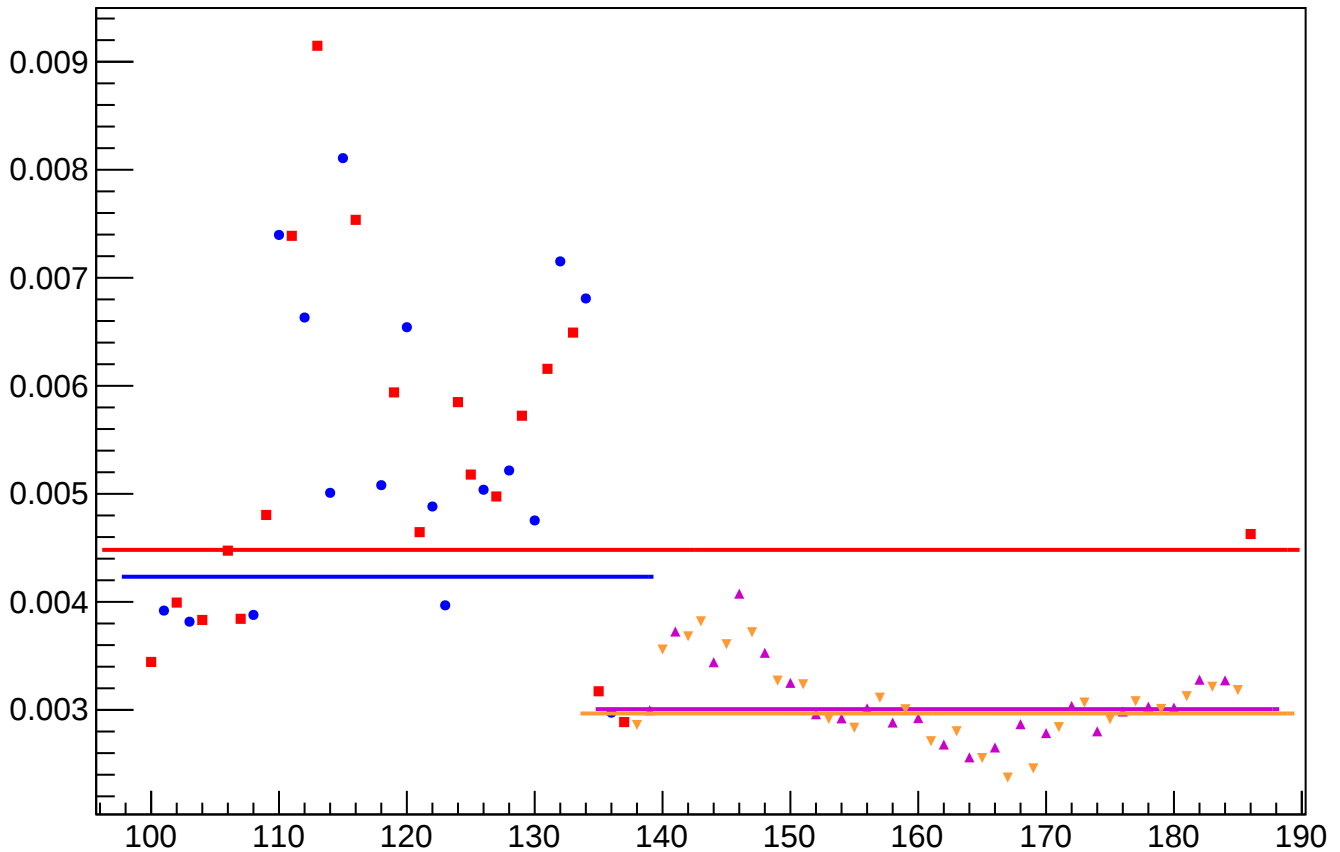
Right Out: -0.007+/-0.000 χ^2/NDF : 4874030888.1/19

All: -0.046+/-0.000 χ^2/NDF : 21348099555.9

Left In: -0.051+/-0.000 χ^2/NDF : 6128769990.8/22

- sign -0.044+/-0.000 χ^2/NDF : 11499299901.4/42

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:499039.1/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 970067.4/19

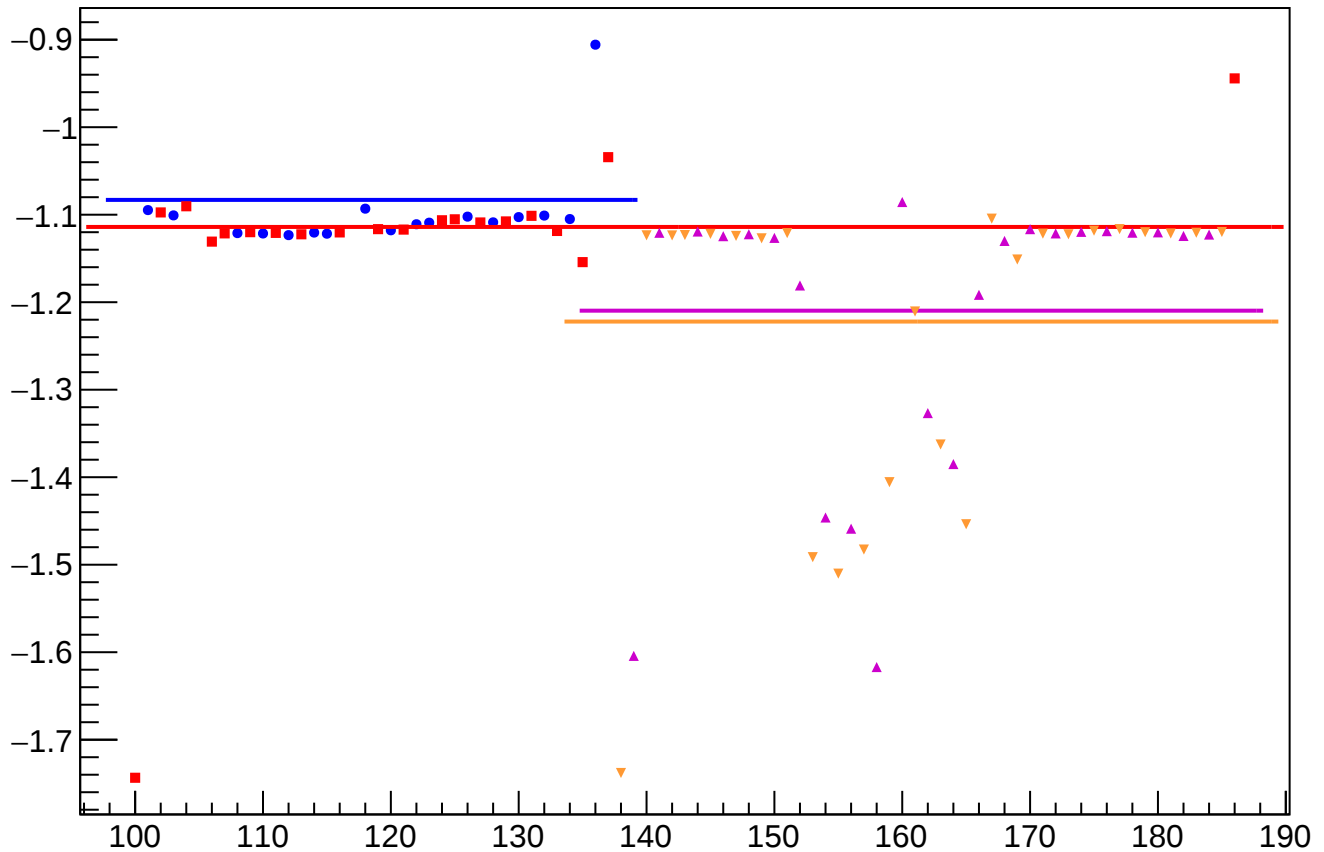
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:329068.1/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2218849.4/41

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 4674161.0/84

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2439429.6/42

yield_bpm0l10X_mean vs Slug



Right In: -1.083+/-0.000 χ^2 /NDF: 202851874.4/16

Left Out: -1.222+/-0.000 χ^2 /NDF: 5279548861.3/24

Right Out: -1.114+/-0.000 χ^2 /NDF: 279023120.8/19

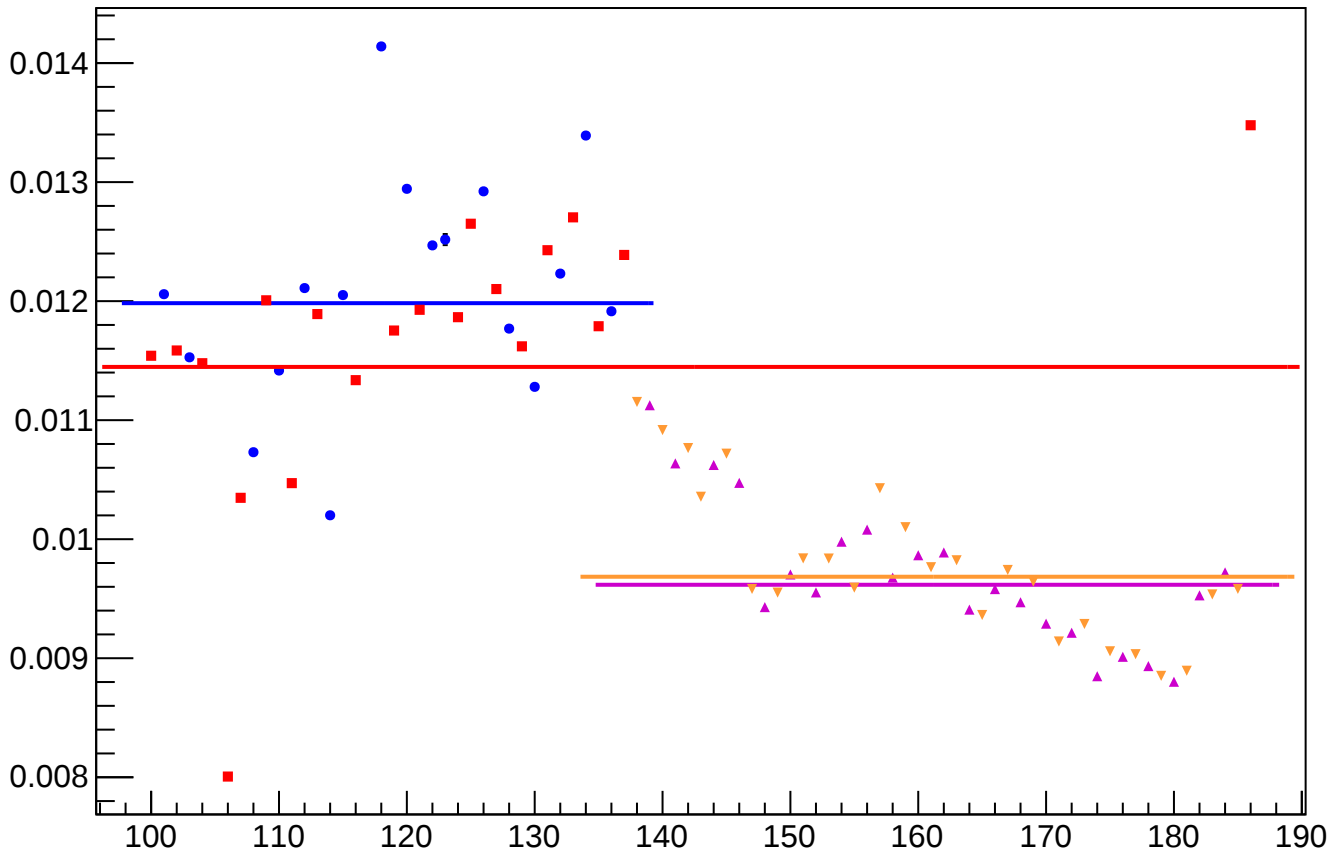
Left In: -1.210+/-0.000 χ^2 /NDF: 4502367902.8/22

+ sign -1.196+/-0.000 χ^2 /NDF: 6181238340.6/41

All: -1.192+/-0.000 χ^2 /NDF: 11355262899.5/41

- sign -1.187+/-0.000 χ^2 /NDF: 5166316210.9/42

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 :134863.6/24

Right Out: 0.011+/-0.000 χ^2/NDF : 169600.9/19

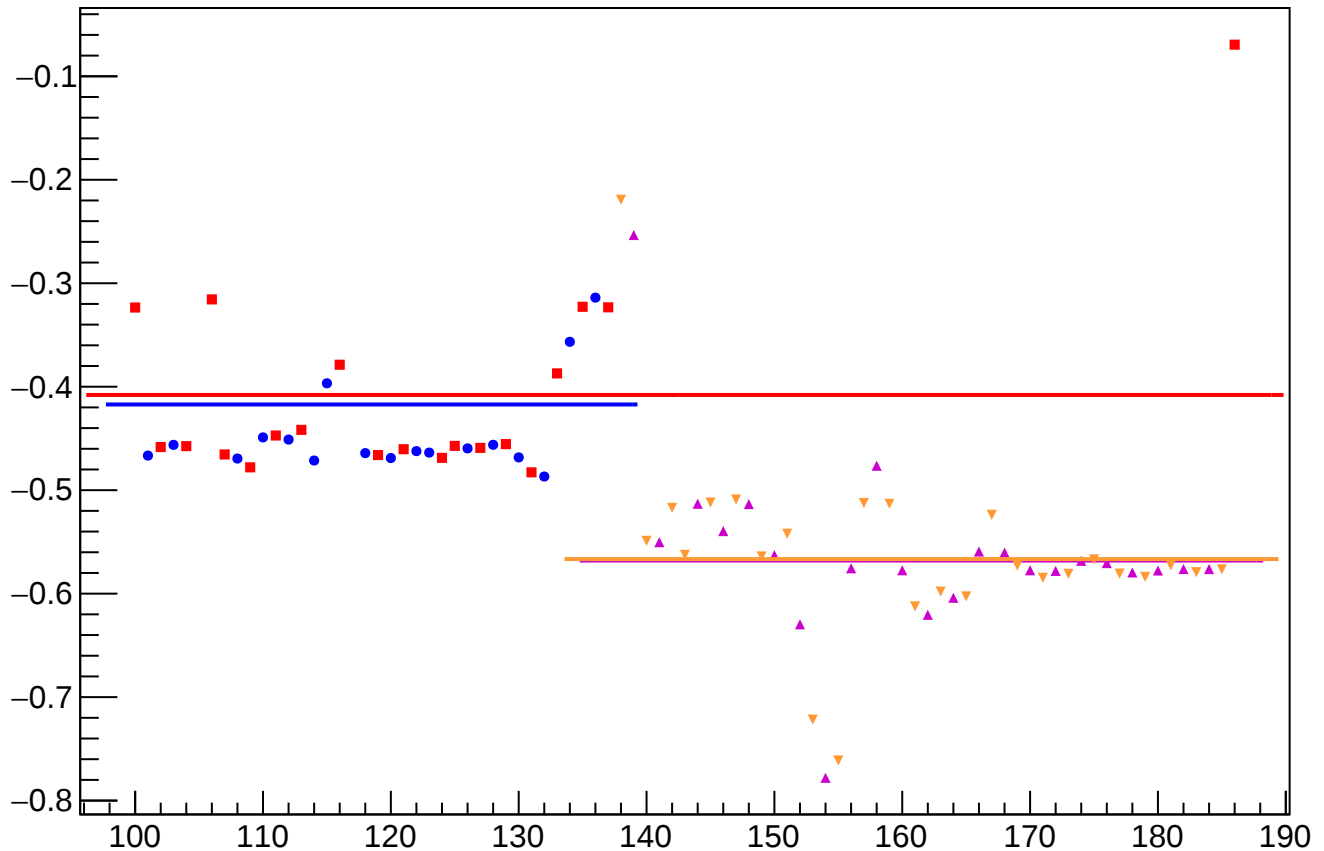
Left In: 0.010+/-0.000 χ^2/NDF :119823.1/22

+ sign 0.010+/-0.000 χ^2/NDF : 575602.2/41

All: 0.010+/-0.000 χ^2/NDF : 1148245.9/84

- sign 0.010+/-0.000 χ^2/NDF : 571073.9/42

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 : 13368458519.3/24

Right Out: -0.408+/-0.000 χ^2/NDF : 3595455148.4/19

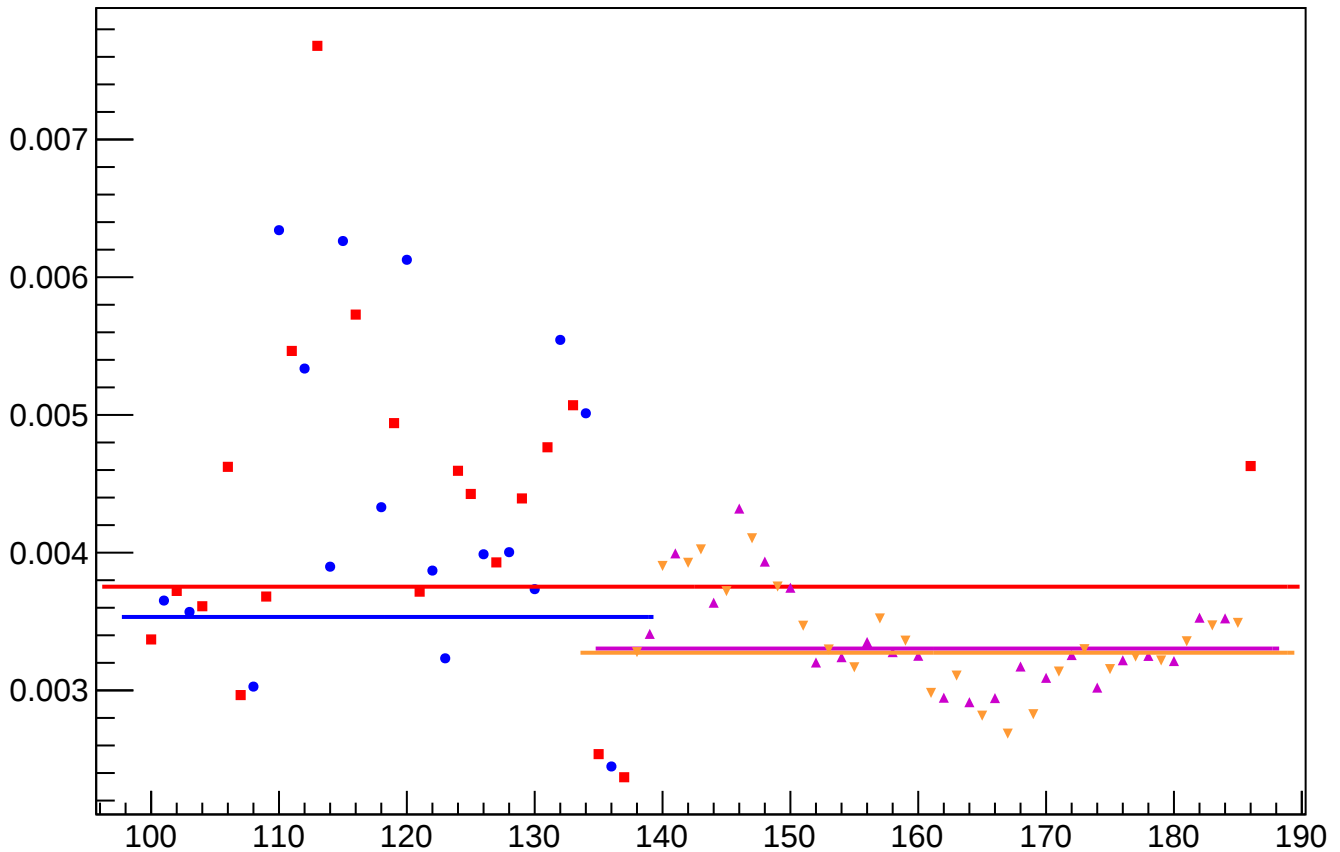
Left In: -0.568+/-0.000 χ^2/NDF : 10458990019.9/22

+ sign -0.535+/-0.000 χ^2/NDF : 23032310308.6/41

All: -0.533+/-0.000 χ^2/NDF : 45768638829.6/41

- sign -0.531+/-0.000 χ^2/NDF : 22725161497.1/42

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:394865.4/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 910773.5/19

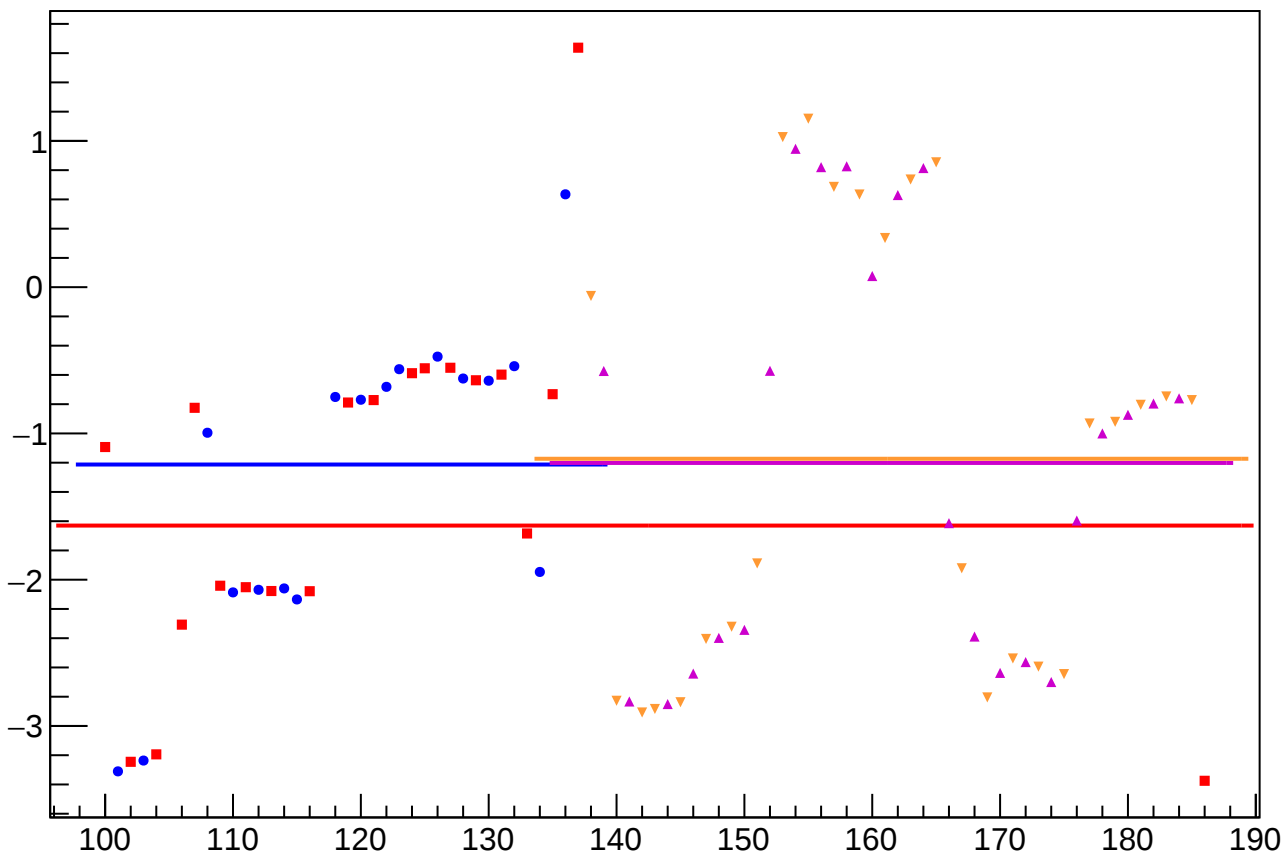
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:286064.1/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1272437.0/41

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2617824.1/84

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1333443.8/42

yield_bpm0r03X_mean vs Slug



Right In: -1.213+/-0.000 χ^2 /NDF: 1991015908.7/16

Left Out: -1.173+/-0.000 χ^2 /NDF: 6882684653.2/24

Right Out: -1.630+/-0.000 χ^2 /NDF: 1954814672.9/19

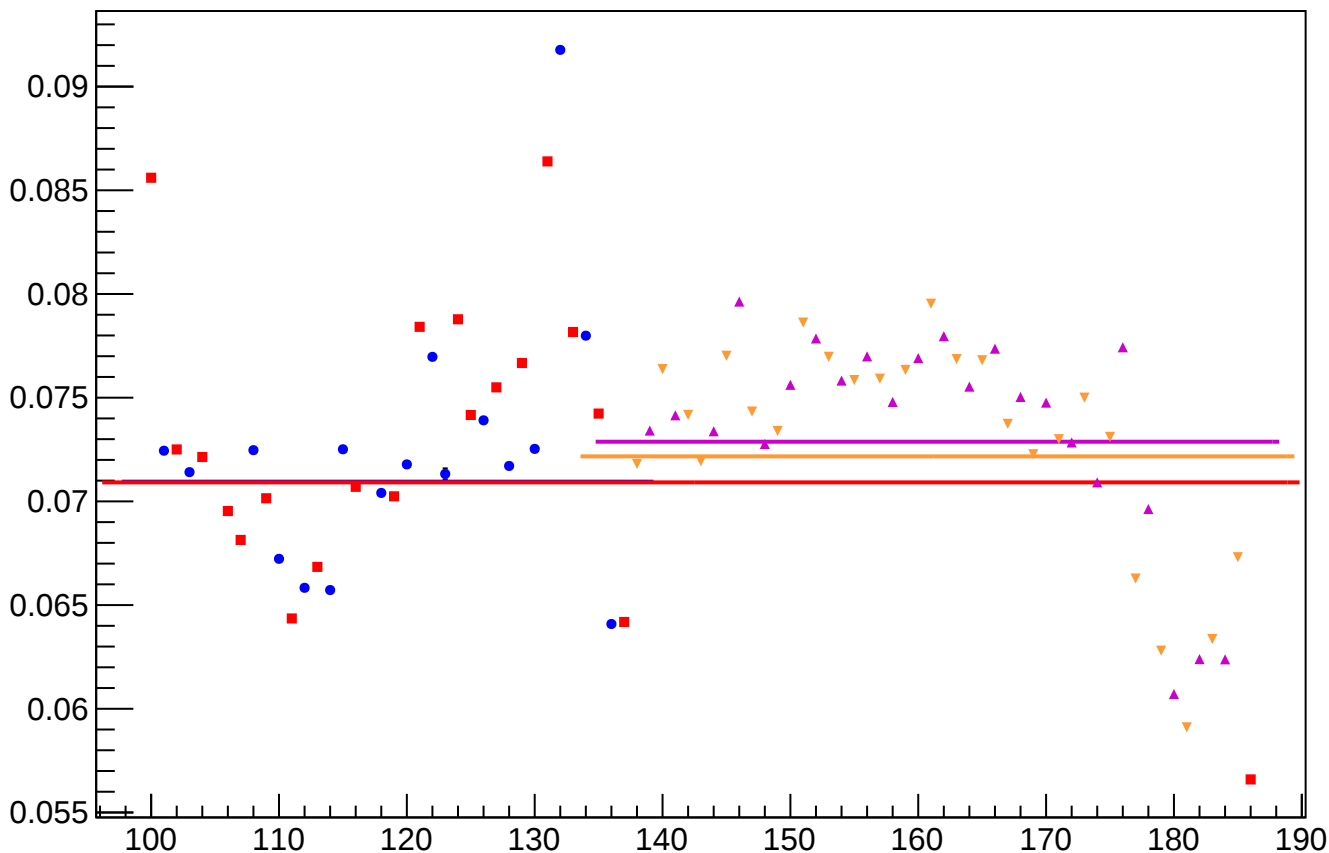
Left In: -1.202+/-0.000 χ^2 /NDF: 5606782515.9/22

+ sign -1.184+/-0.000 χ^2 /NDF: 8875168179.7/41

All: -1.259+/-0.000 χ^2 /NDF: 16673244869.7/41

- sign -1.335+/-0.000 χ^2 /NDF: 7744181466.0/42

yield_bpm0r03X_rms vs Slug



Right In: 0.071 $\pm$ 0.000 χ^2 /NDF: 77148.7/16

Left Out: 0.072 $\pm$ 0.000 χ^2 /NDF:222263.8/24

Right Out: 0.071 $\pm$ 0.000 χ^2 /NDF: 120064.7/19

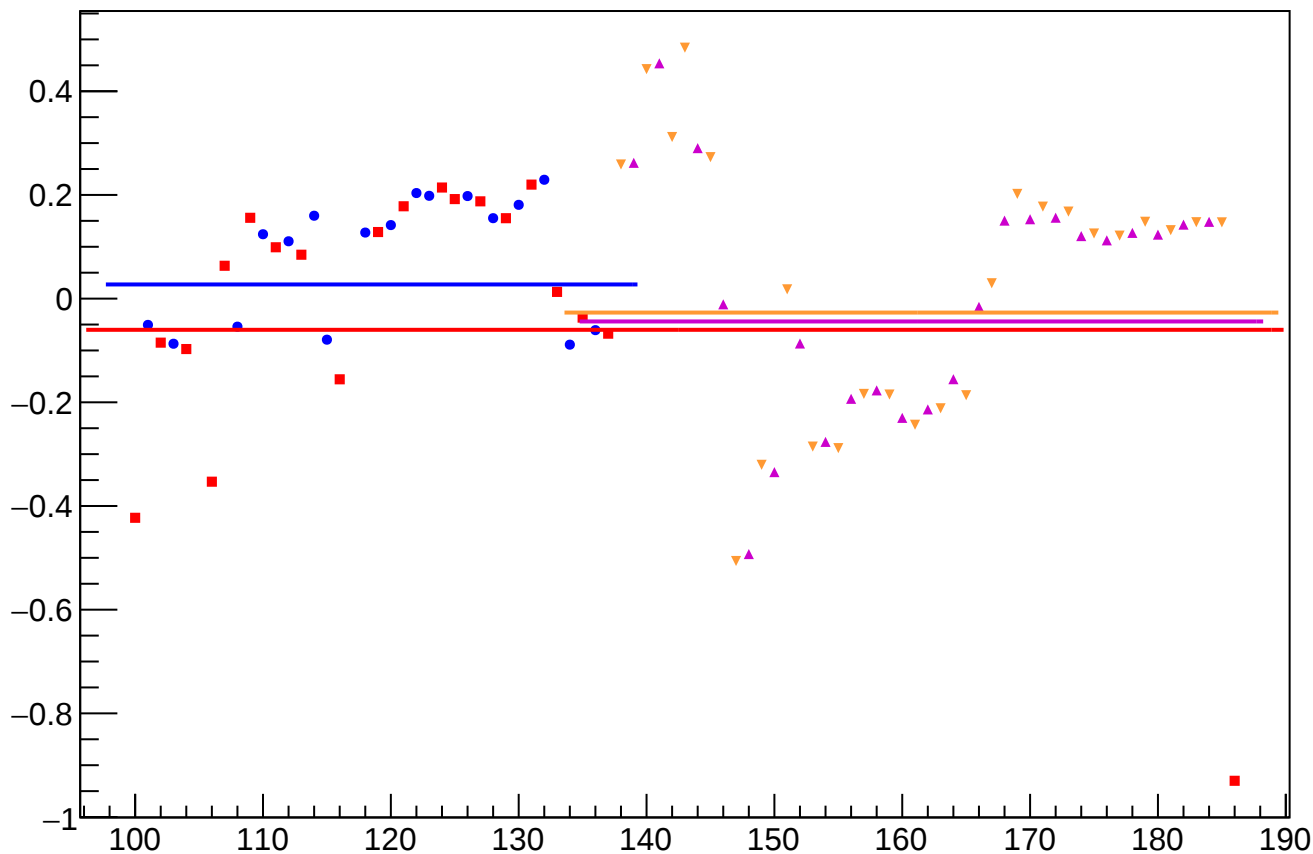
Left In: 0.073 $\pm$ 0.000 χ^2 /NDF:183503.0/22

+ sign 0.072 $\pm$ 0.000 χ^2 /NDF: 302230.7/41

All: 0.072 $\pm$ 0.000 χ^2 /NDF: 614315.6/84

- sign 0.072 $\pm$ 0.000 χ^2 /NDF: 311222.9/42

yield_bpm0r03Y_mean vs Slug



Right In: 0.027+/-0.000 χ^2/NDF : 562065478.3/16

Left Out: -0.027+/-0.000 χ^2/NDF : 20376761328.6/24

Right Out: -0.060+/-0.000 χ^2/NDF : 3421421453.5/19

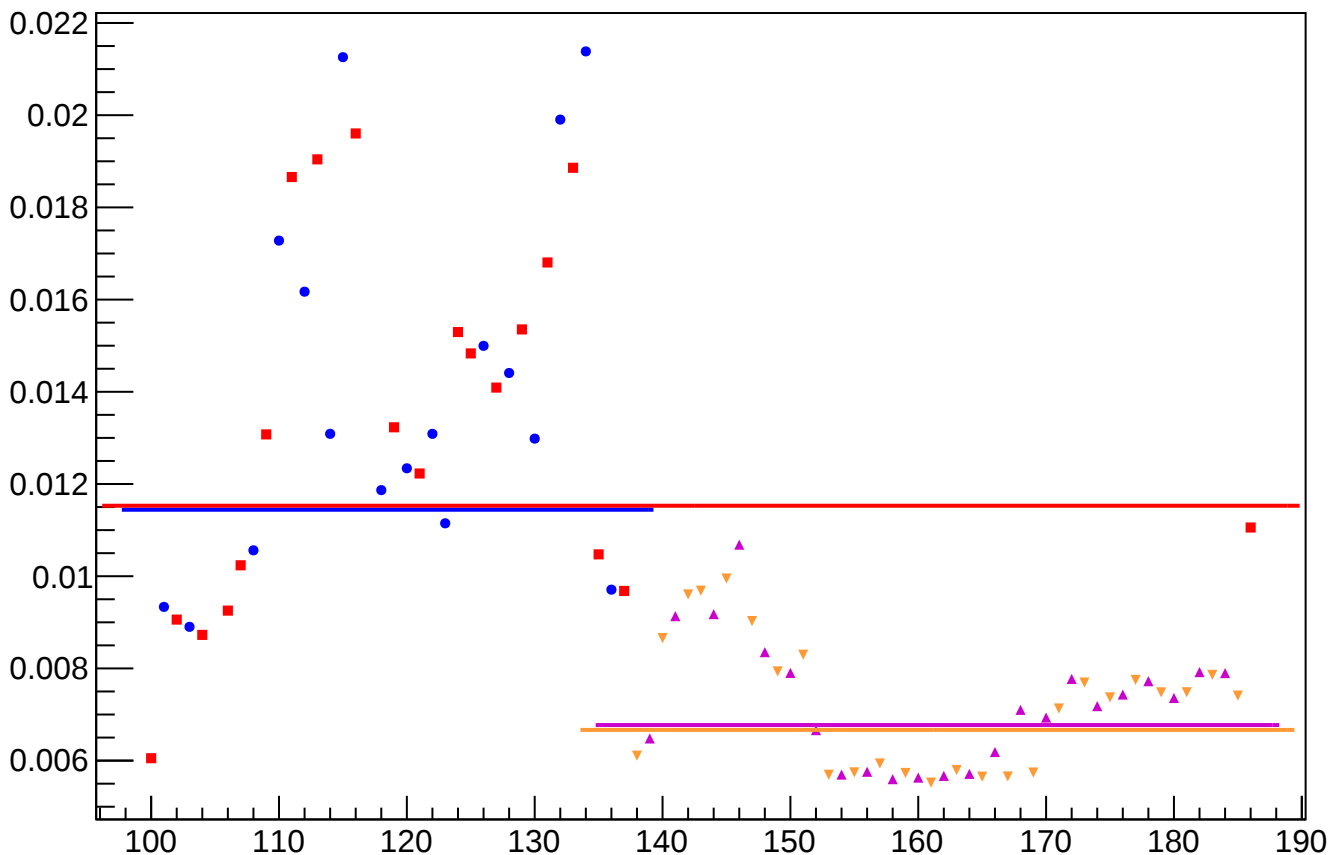
Left In: -0.044+/-0.000 χ^2/NDF : 15718556282.1/22

+ sign -0.021+/-0.000 χ^2/NDF : 21054191111.7/41

All: -0.033+/-0.000 χ^2/NDF : 40329075488.1/42

- sign -0.046+/-0.000 χ^2/NDF : 19150745374.1/42

yield_bpm0r03Y_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 673738.1/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:1143768.6/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 980603.5/19

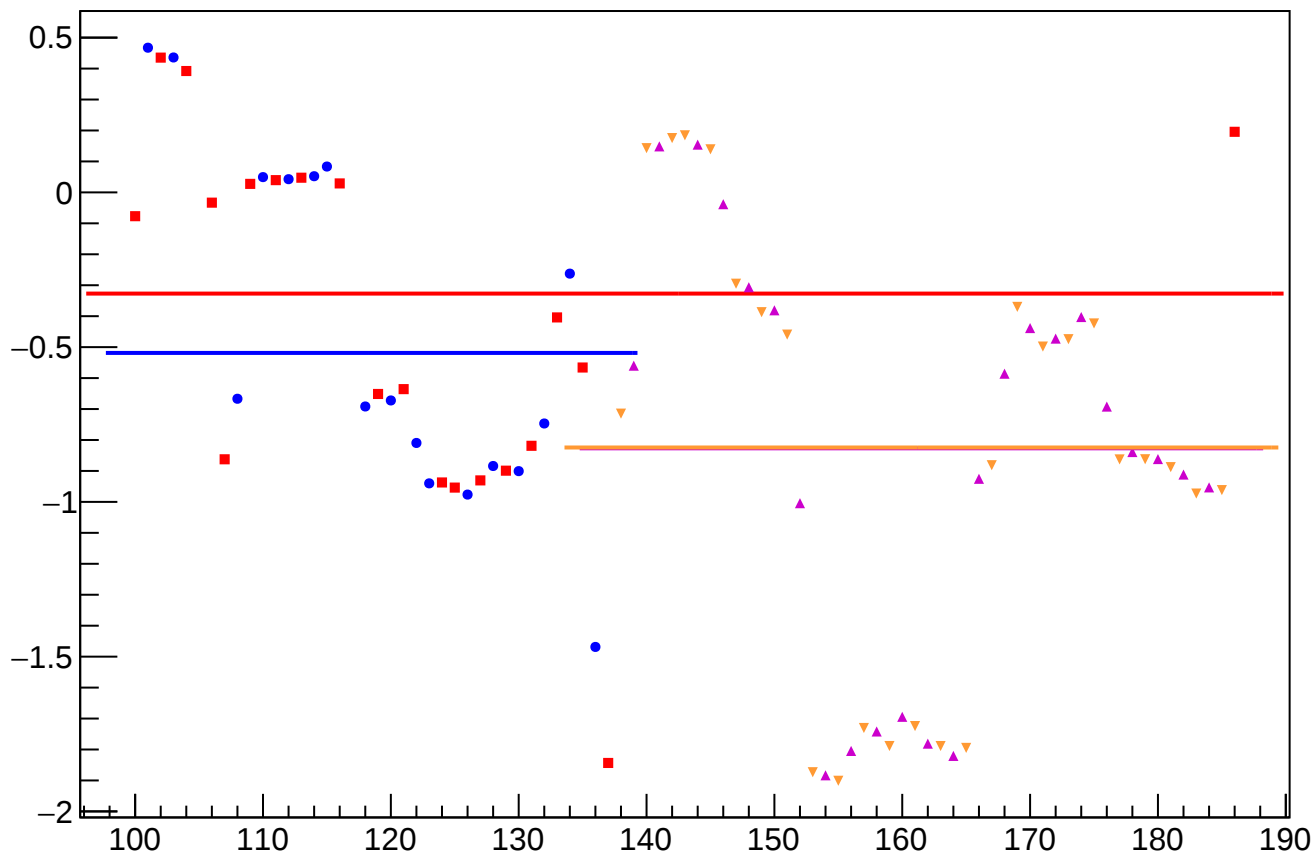
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:934050.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3607004.3/41

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 7410218.0/84

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3789894.7/42

yield_bpm0r05X_mean vs Slug



Right In: -0.519 ± 0.000 χ^2/NDF : 338707442.0/16

Left Out: -0.824 ± 0.000 χ^2/NDF : 1103610806.5/24

Right Out: -0.327 ± 0.000 χ^2/NDF : 294345929.8/19

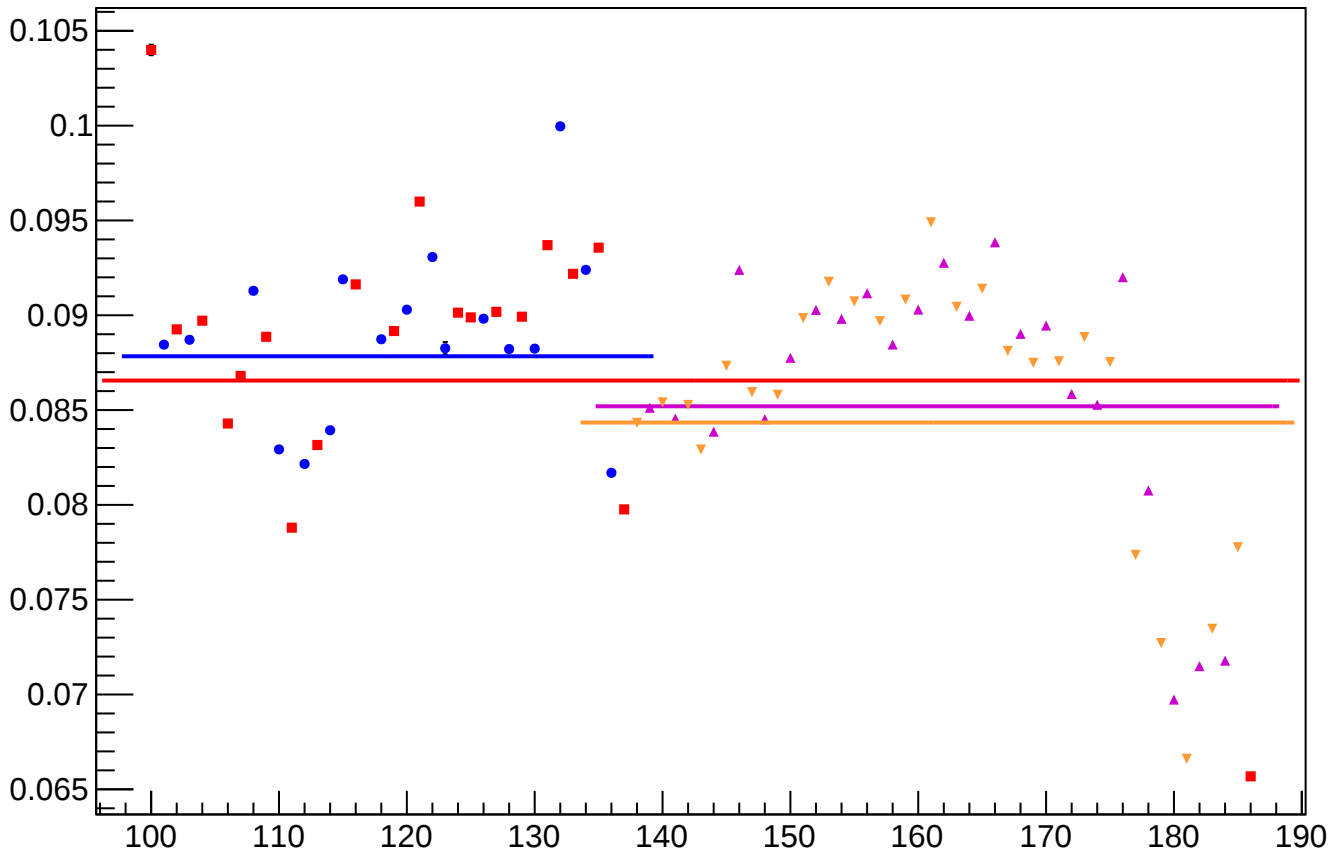
Left In: -0.827 ± 0.000 χ^2/NDF : 921651117.3/22

+ sign -0.747 ± 0.000 χ^2/NDF : 1502573326.8/41

All: -0.714 ± 0.000 χ^2/NDF : 2900467757.7/8

- sign -0.679 ± 0.000 χ^2/NDF : 1390116228.5/42

yield_bpm0r05X_rms vs Slug



Right In: 0.088 $\pm$ 0.000 χ^2 /NDF: 34872.1/16

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF:288312.6/24

Right Out: 0.087 $\pm$ 0.000 χ^2 /NDF: 123219.9/19

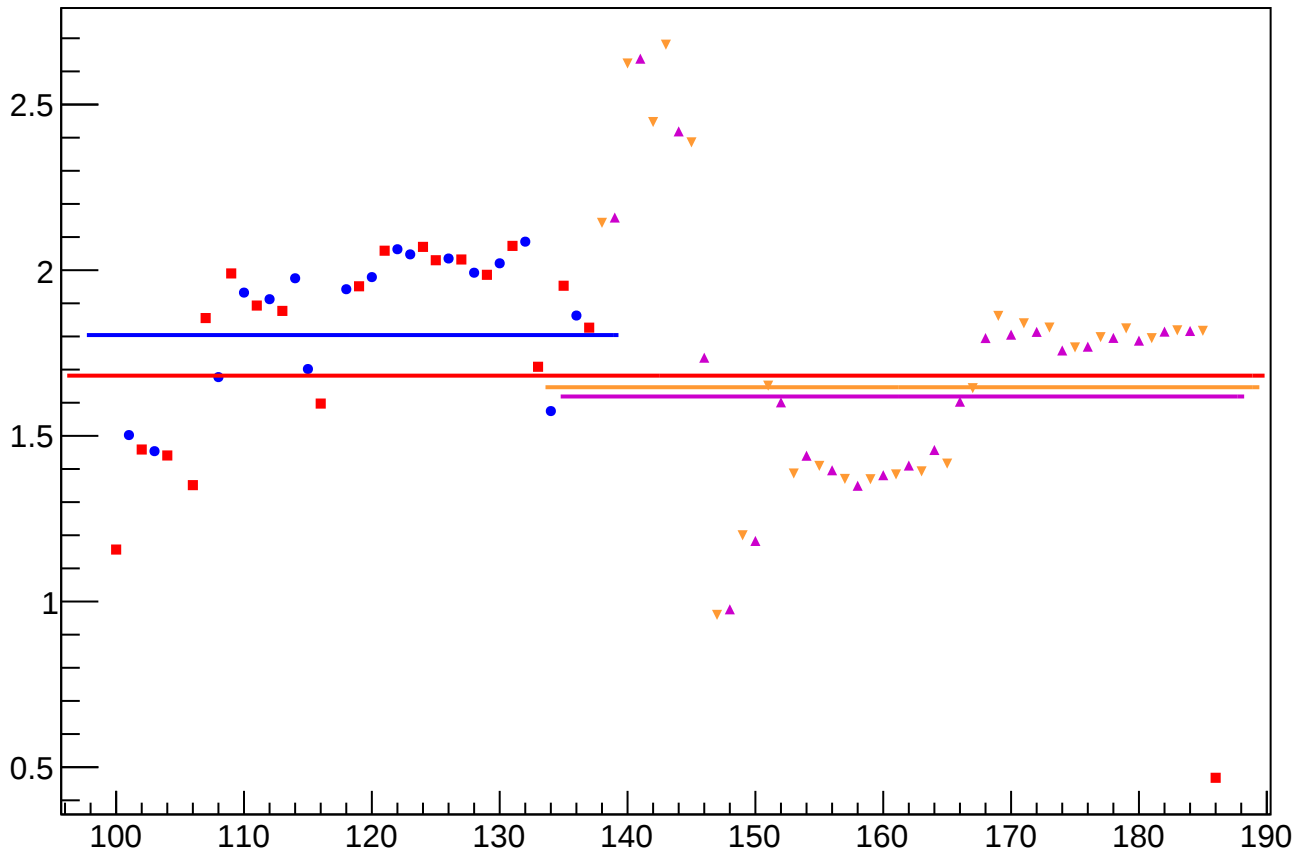
Left In: 0.085 $\pm$ 0.000 χ^2 /NDF:238313.9/22

+ sign 0.085 $\pm$ 0.000 χ^2 /NDF: 338944.9/41

All: 0.085 $\pm$ 0.000 χ^2 /NDF: 703526.5/84

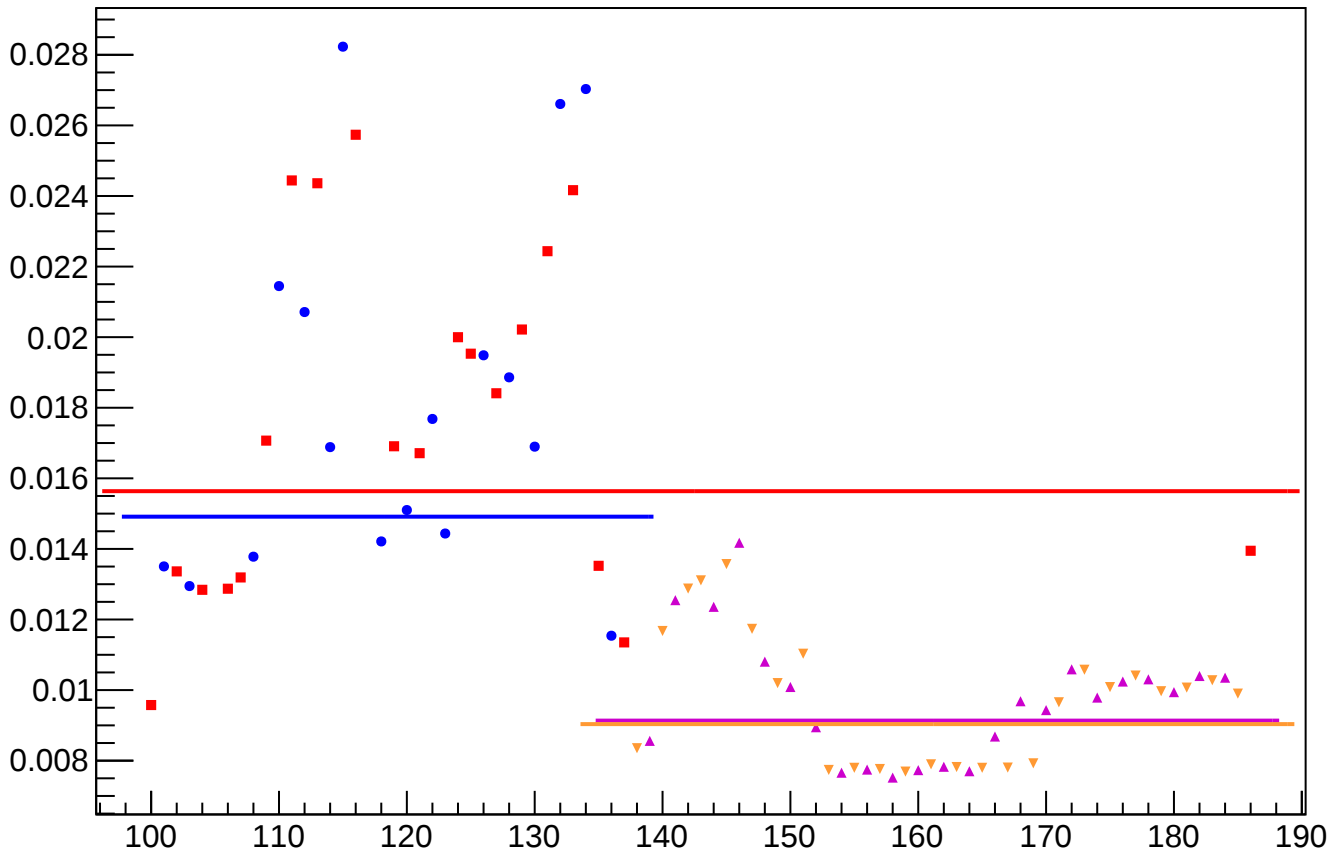
- sign 0.086 $\pm$ 0.000 χ^2 /NDF: 364105.1/42

yield_bpm0r05Y_mean vs Slug



Right In: 1.804+/-0.000	χ^2/NDF : 1156038618.5/16	+ sign 1.664+/-0.000	χ^2/NDF : 28259811348.8/41
Left Out: 1.647+/-0.000	χ^2/NDF : 26535241545.7/24	All: 1.646+/-0.000	χ^2/NDF : 53545070634.6/8
Right Out: 1.682+/-0.000	χ^2/NDF : 4415456782.7/19	- sign 1.626+/-0.000	χ^2/NDF : 25124206608.8/42
Left In: 1.619+/-0.000	χ^2/NDF : 20618198188.1/22		

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 : 1042871.8/24

Right Out: 0.016+/-0.000 χ^2/NDF : 780807.2/19

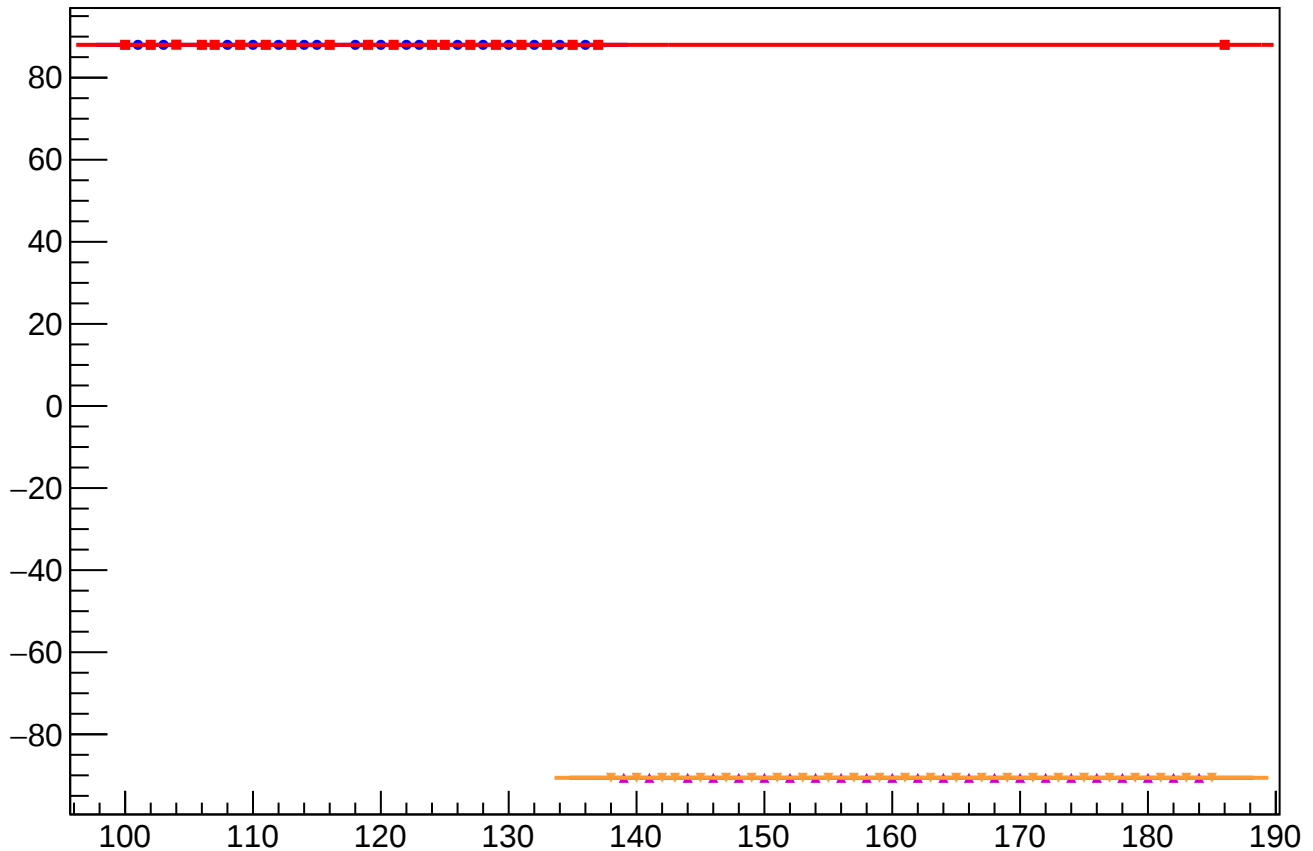
Left In: 0.009+/-0.000 χ^2/NDF : 878356.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 3266071.0/41

All: 0.010+/-0.000 χ^2/NDF : 6870169.8/84

- sign 0.010+/-0.000 χ^2/NDF : 3592399.8/42

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: 5785821.4/24

Right Out: 88.003 $\pm$ 0.000 χ^2 /NDF: 77825816610267046188240863232.0/19

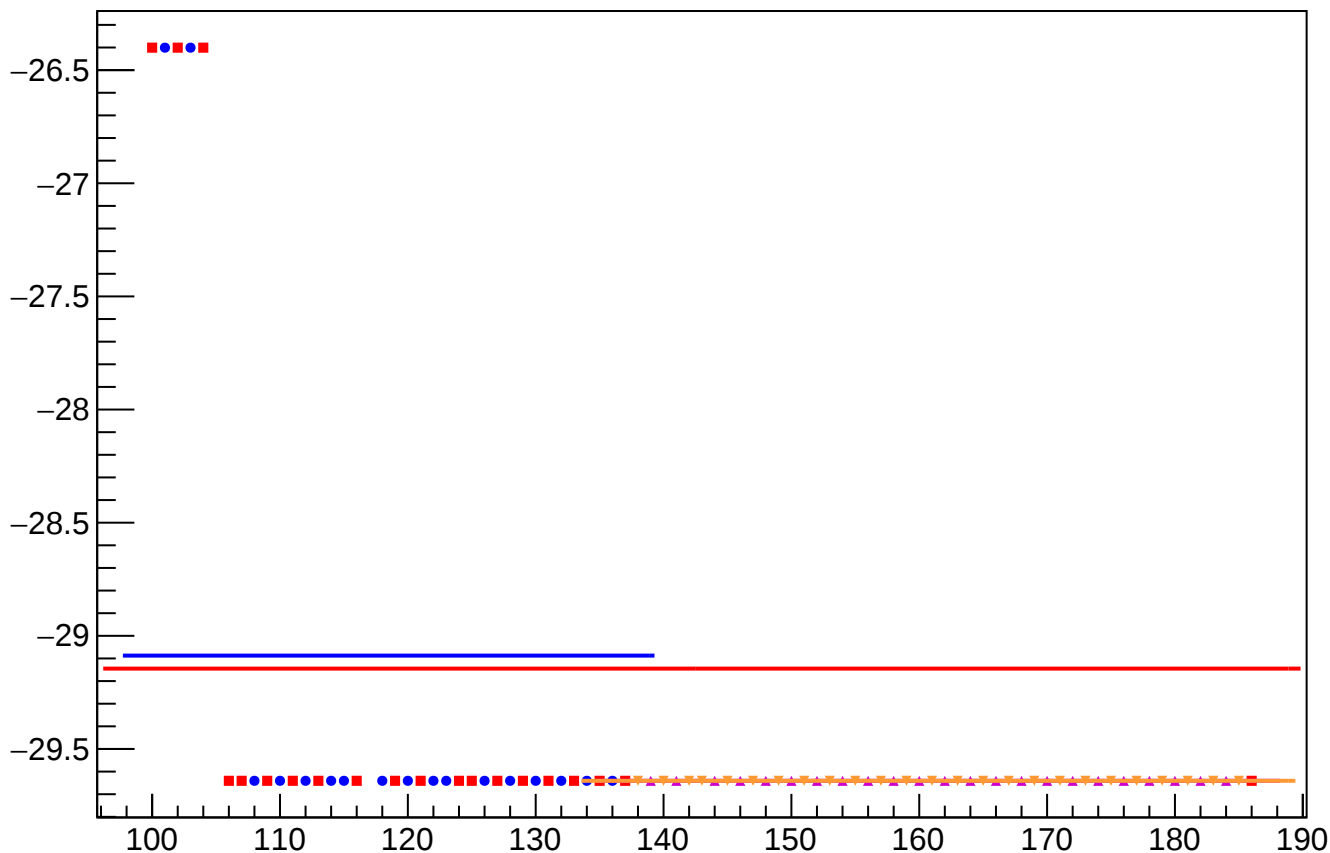
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 7134230.8/22

+ sign -43.060 $\pm$ 0.000 χ^2 /NDF: 161745143050076

All: -40.348 $\pm$ 0.000 χ^2 /NDF: 332162098302

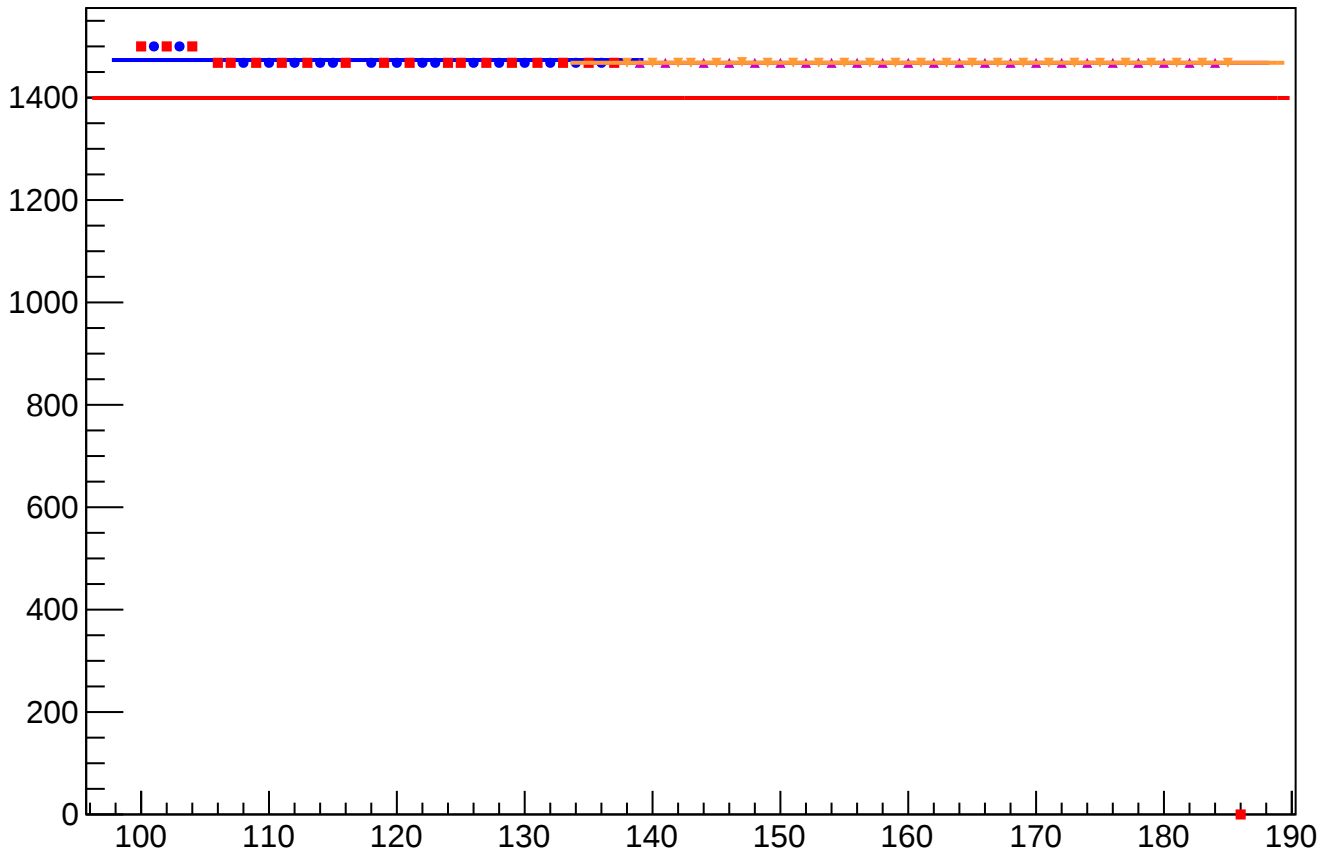
- sign -37.592 $\pm$ 0.000 χ^2 /NDF: 1700320501703060

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 : 530354.3/24 + sign -29.493+/-0.000 χ^2/NDF : 118241149090907
 Right Out: -29.145+/-0.000 χ^2/NDF : 1031368426385232524829032009695232.0/19 All: -29.493+/-0.000 χ^2/NDF : 234482547075
 Left In: -29.641+/-0.000 χ^2/NDF : 382603.8/22 - sign -29.494+/-0.000 χ^2/NDF : 1162413962725113

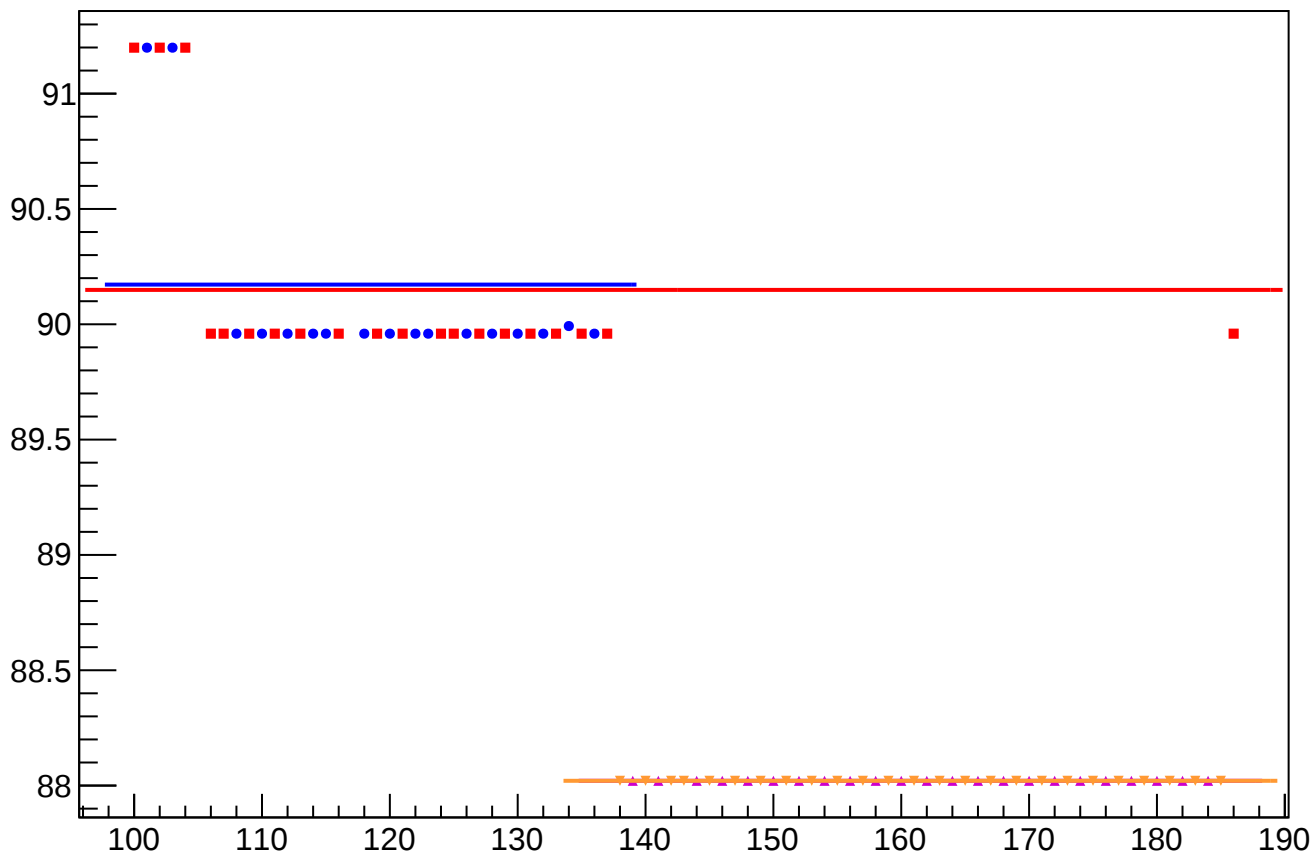
epics_psub_pl_poss_mean vs Slug



Right In: 1473.447+/-0.000	χ^2/NDF : 100331979974804513534478923851628544.0/16
Left Out: 1468.048+/-0.000	χ^2/NDF : 127949199501977668488138456039424.0/24
Right Out: 1399.288+/-0.000	χ^2/NDF : 78429829645423881874217030841702285312.0/19
Left In: 1467.994+/-0.000	χ^2/NDF : 144497772795444989723550941184.0/22

+ sign 1469.485+/-0.000 χ^2/NDF : 11524388355317
 All: 1458.633+/-0.000 χ^2/NDF : 8167776433
 - sign 1447.602+/-0.000 χ^2/NDF : 80946038105115

epics_Phi_FGs_mean vs Slug



Right In: 90.172+/-0.000 χ^2/NDF : 150181697791974119042789817712640.0/16

Left Out: 88.021+/-0.000 χ^2/NDF : 5679798.5/24

Right Out: 90.149+/-0.000 χ^2/NDF : 151066157255966494669604044931072.0/19

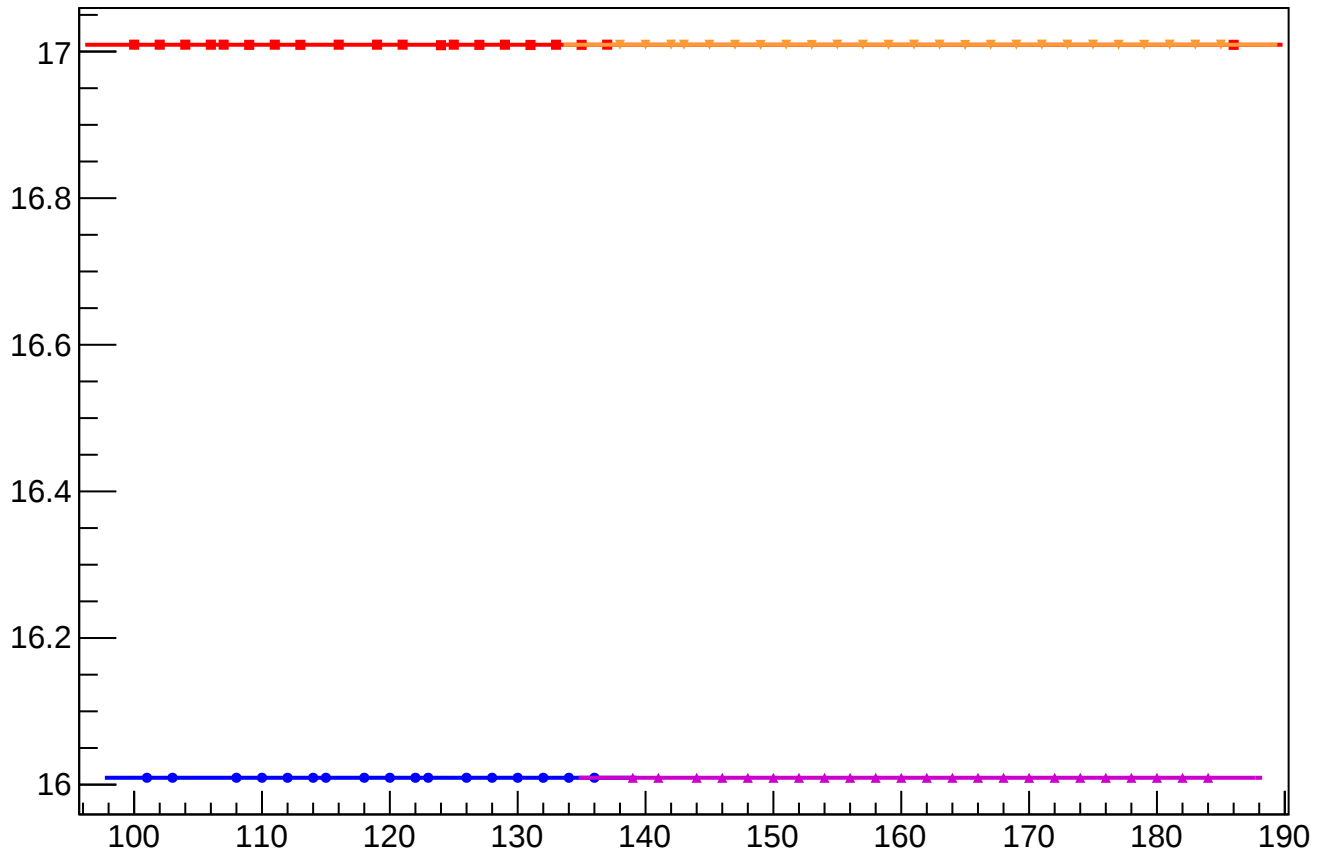
Left In: 88.021+/-0.000 χ^2/NDF : 6257169.0/22

+ sign 88.593+/-0.000 χ^2/NDF : 2497057820516662

All: 88.623+/-0.000 χ^2/NDF : 5067199517904

- sign 88.652+/-0.000 χ^2/NDF : 2565655640175819

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: 26194929080144976634970112.0/24

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 12979914921503733711896576.0/19

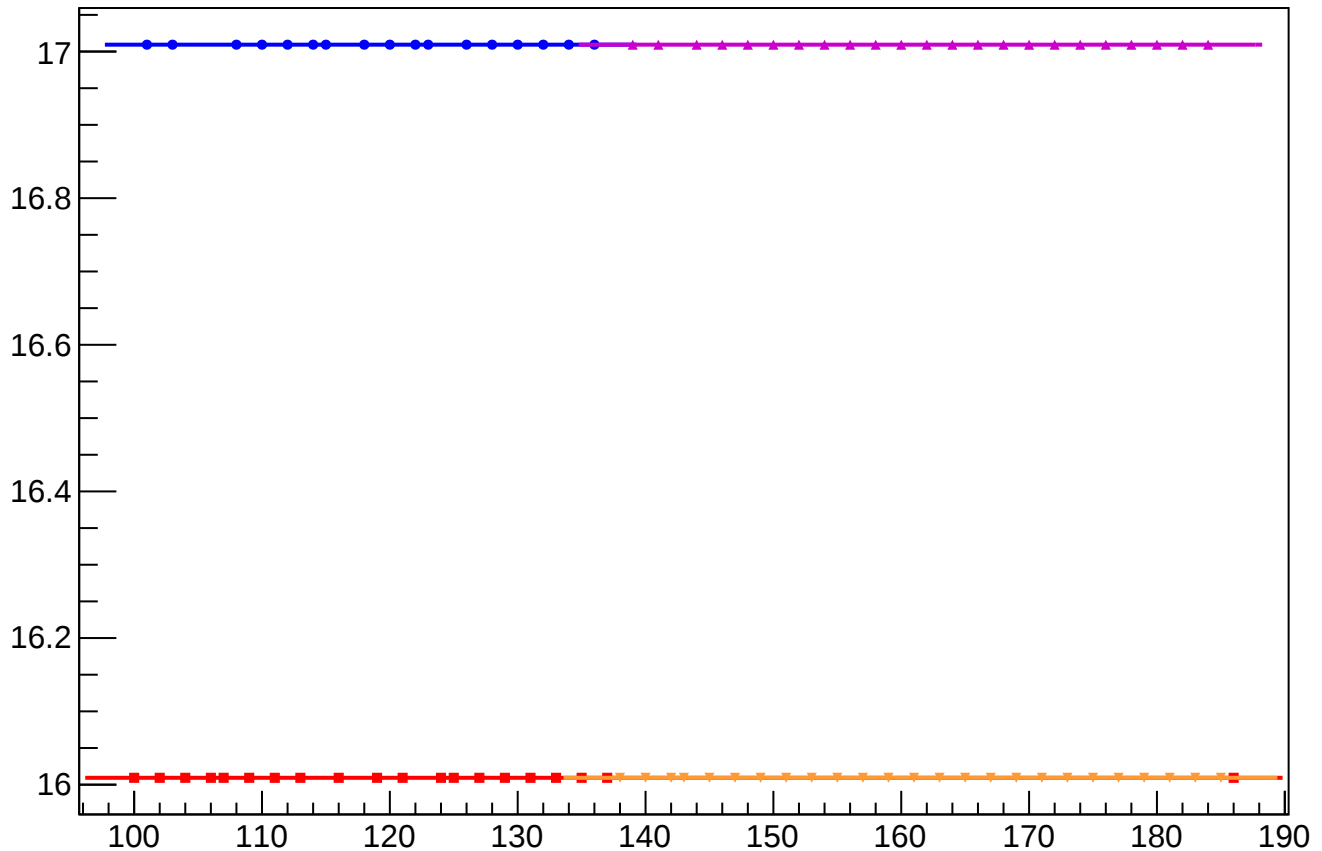
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127920993667935400624128.0/22

+ sign 16.738 $\pm$ 0.000 χ^2 /NDF: 4801048641843558

All: 16.523 $\pm$ 0.000 χ^2 /NDF: 1195812077993

- sign 16.302 $\pm$ 0.000 χ^2 /NDF: 4884986107046241

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009+/-0.000 χ^2 /NDF: 119200.0/16

Left Out: 16.009+/-0.000 χ^2 /NDF: 61253.5/24

Right Out: 16.009+/-0.000 χ^2 /NDF: 39556.6/19

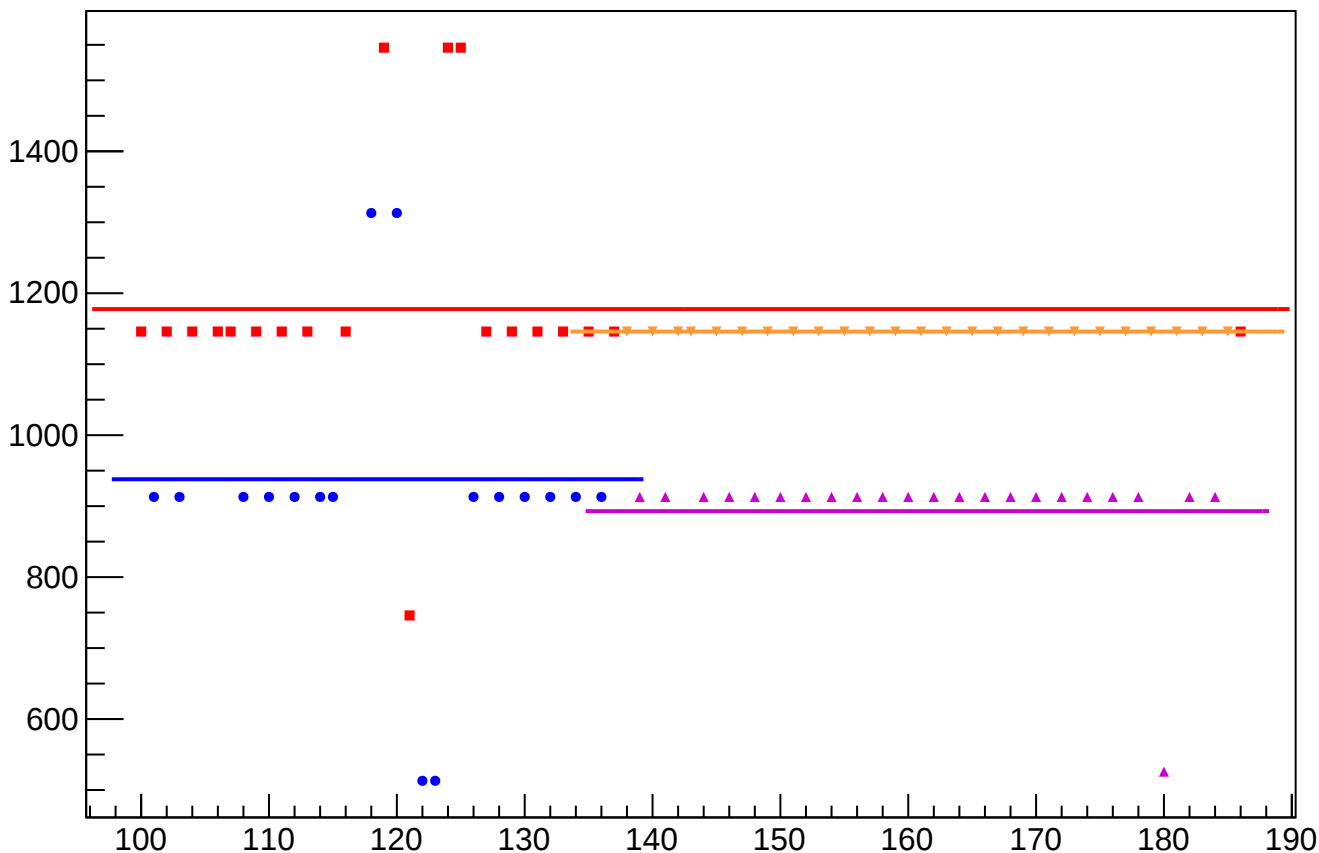
Left In: 17.009+/-0.000 χ^2 /NDF: 114986101427233622065152.0/22

+ sign 16.269+/-0.000 χ^2 /NDF: 4880232283464514

All: 16.487+/-0.000 χ^2 /NDF: 1258053064378

- sign 16.709+/-0.000 χ^2 /NDF: 5255780601685742

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 937.887 $\pm$ 0.000 χ^2 /NDF: 20853195799113284359206128263972782080.0/16

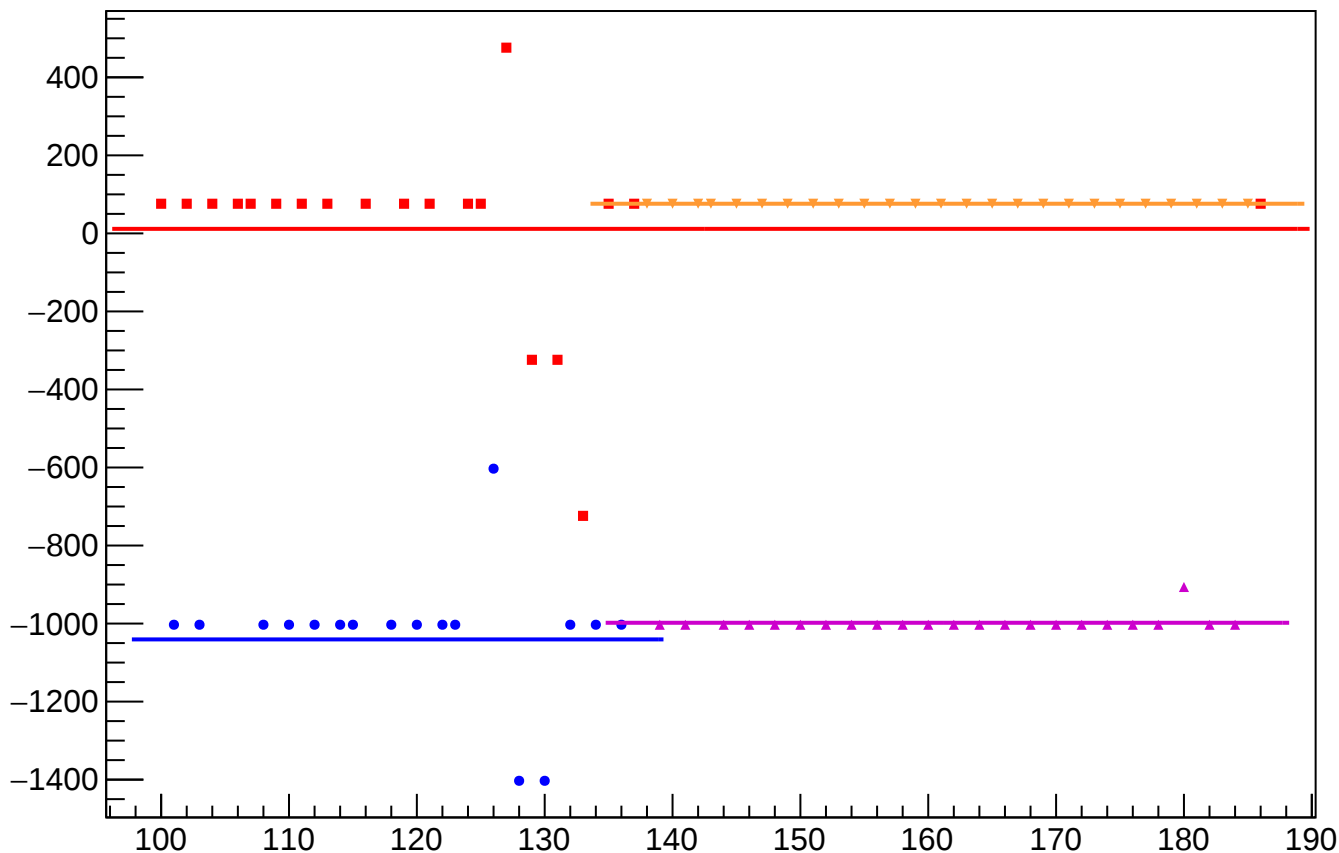
Left Out: 1146.011 $\pm$ 0.000 χ^2 /NDF: 8056834670270133849999540224.0/24

Right Out: 1177.672 $\pm$ 0.000 χ^2 /NDF: 21320818259795130126526255085836566528.0/19

Left In: 892.950 $\pm$ 0.000 χ^2 /NDF: 13213852485930520518972295012897783808.0/22

All: 1034.494 $\pm$ 0.000 χ^2 /NDF: 1370487788

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 : 11479003589933272170007363584.0/24 + sign -221.211+/-0.000 χ^2/NDF : 65446493122531

Right Out: 11.630+/-0.000 χ^2/NDF : 43897956164204836843302096707514269696.0/19 All: -457.829+/-0.000 χ^2/NDF : 15355943745

Left In: -997.979+/-0.000 χ^2/NDF : 825858066518991041870194619245920256.0/22 - sign -698.338+/-0.000 χ^2/NDF : 588050276995023