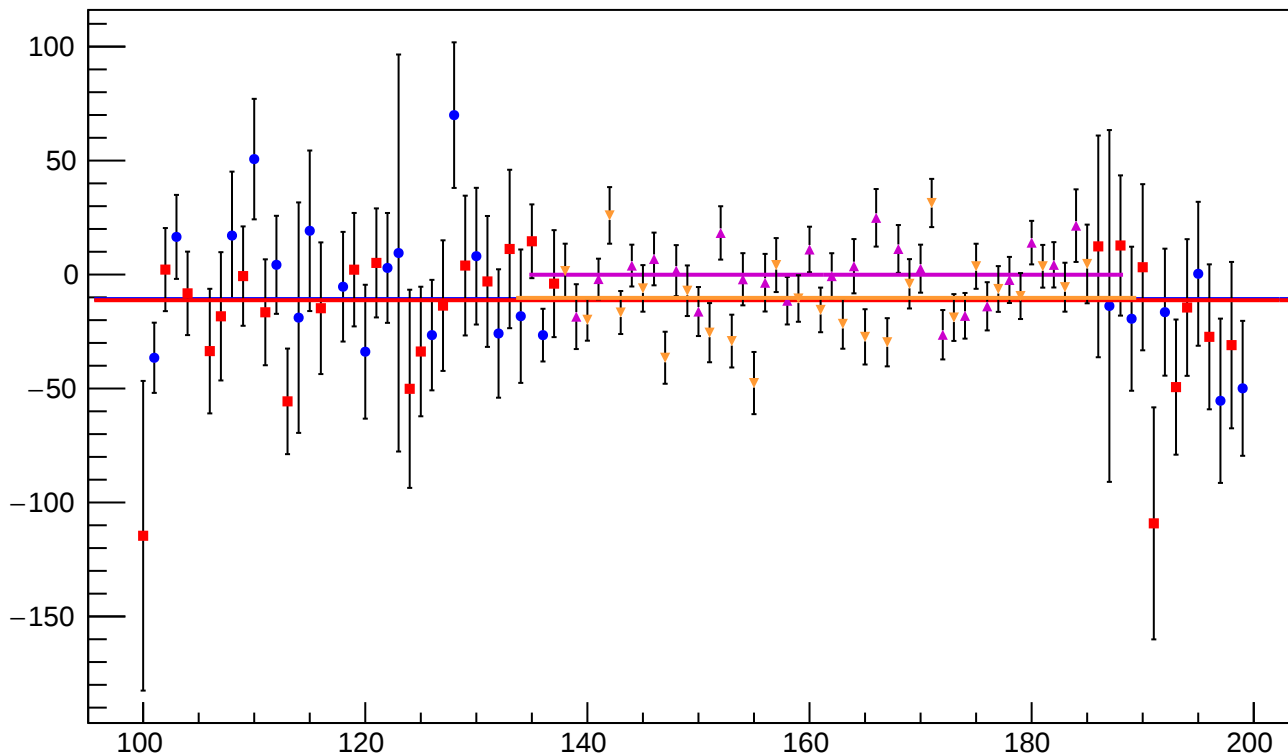


diff_bpm4aX_mean vs Slug



Right In: -10.763 ± 5.196

χ^2/NDF : 26.6/22

Left Out: -10.238 ± 2.170

χ^2/NDF : 58.1/24

Right Out: -11.253 ± 5.162

χ^2/NDF : 20.1/26

Left In: -0.080 ± 2.251

χ^2/NDF : 29.9/22

+ sign -10.316 ± 2.003

χ^2/NDF : 84.7/47

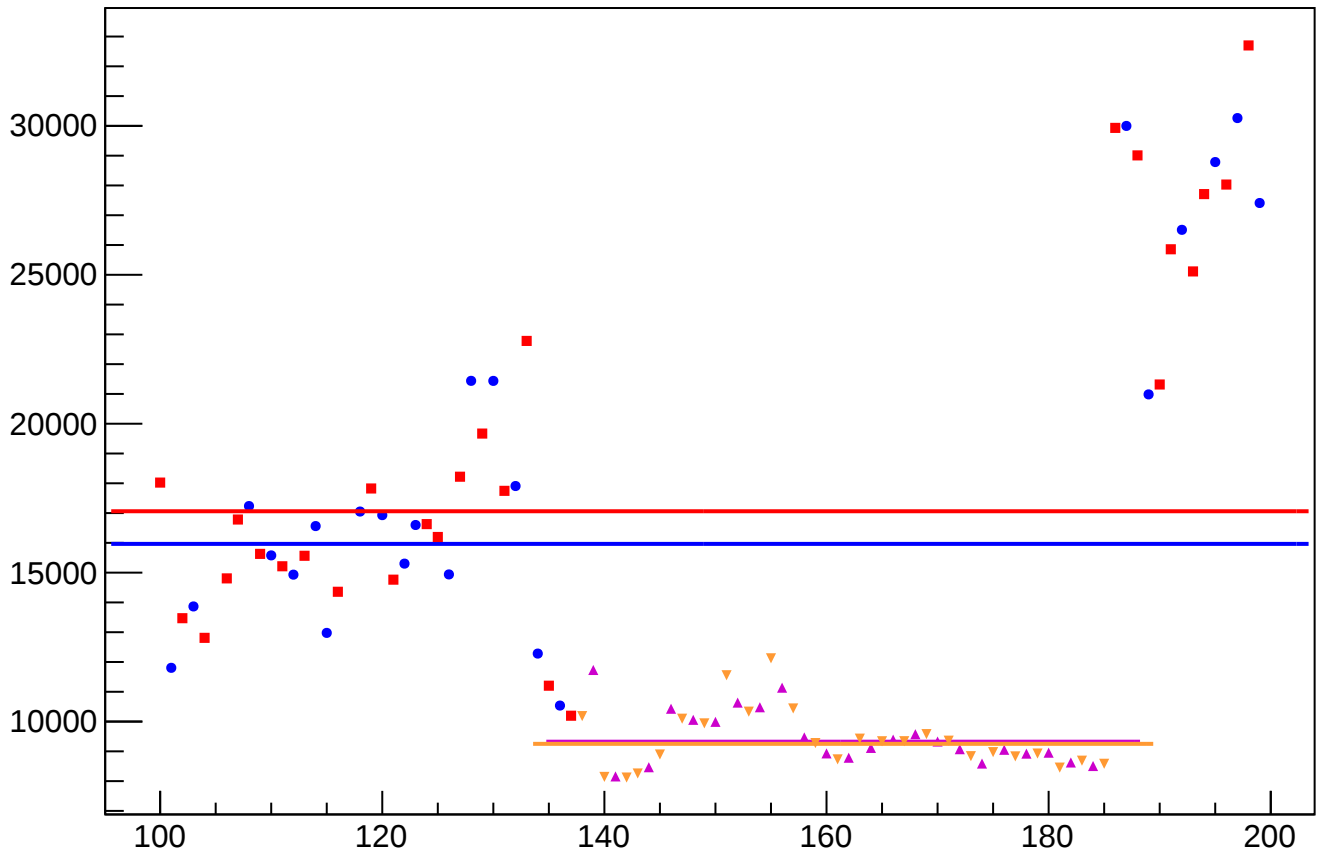
All: -6.216 ± 1.437

χ^2/NDF : 147.3/97

- sign -1.865 ± 2.063

χ^2/NDF : 53.9/49

diff_bpm4aX_rms vs Slug



Right In: 15965.365+/-3.674 χ^2/NDF : 2161309.1/22

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

+ sign 10249.033+/-1.416 χ^2/NDF : 5336526.3/47

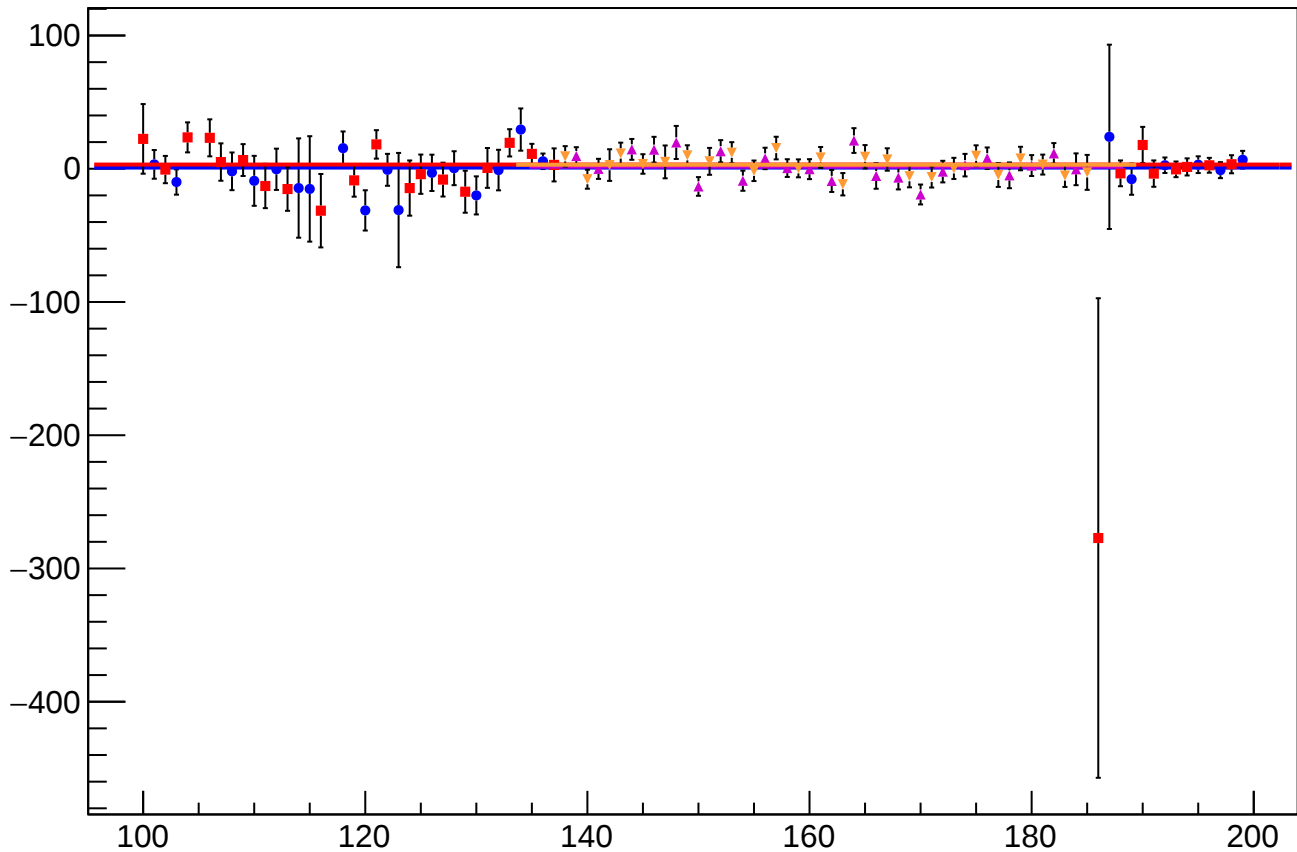
Right Out: 17061.205+/-3.650 χ^2/NDF : 2308991.0/26

All: 10399.724+/-1.016 χ^2/NDF : 11719796.7

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

- sign 10559.648+/-1.459 χ^2/NDF : 6359927.2/49

diff_bpm4aY_mean vs Slug



Right In: 0.892 ± 2.140 χ^2/NDF : 16.4/22

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

Right Out: 3.151 ± 2.004 χ^2/NDF : 25.0/26

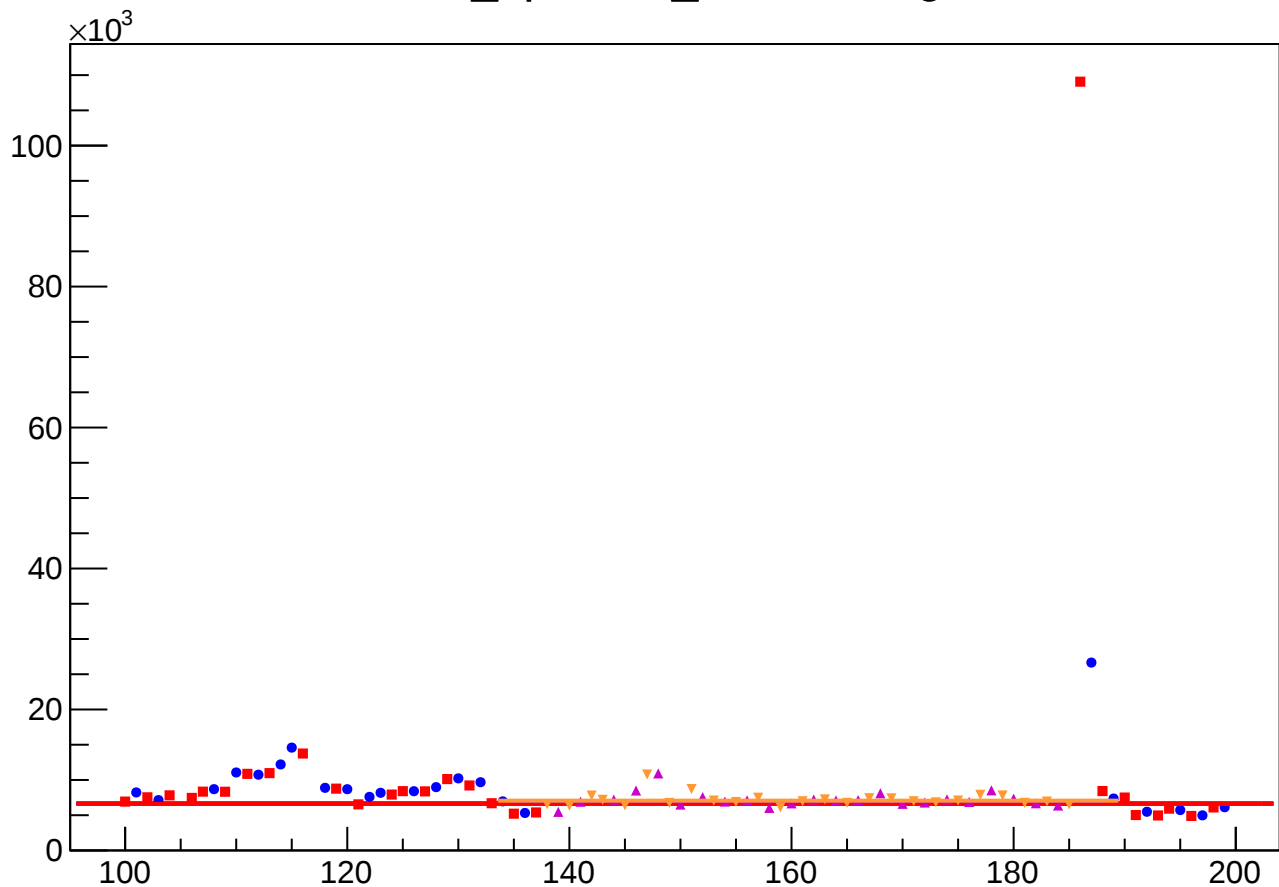
Left In: 1.588 ± 1.703 χ^2/NDF : 35.5/22

+ sign 2.225 ± 1.312 χ^2/NDF : 35.6/47

All: 2.234 ± 0.923 χ^2/NDF : 96.4/97

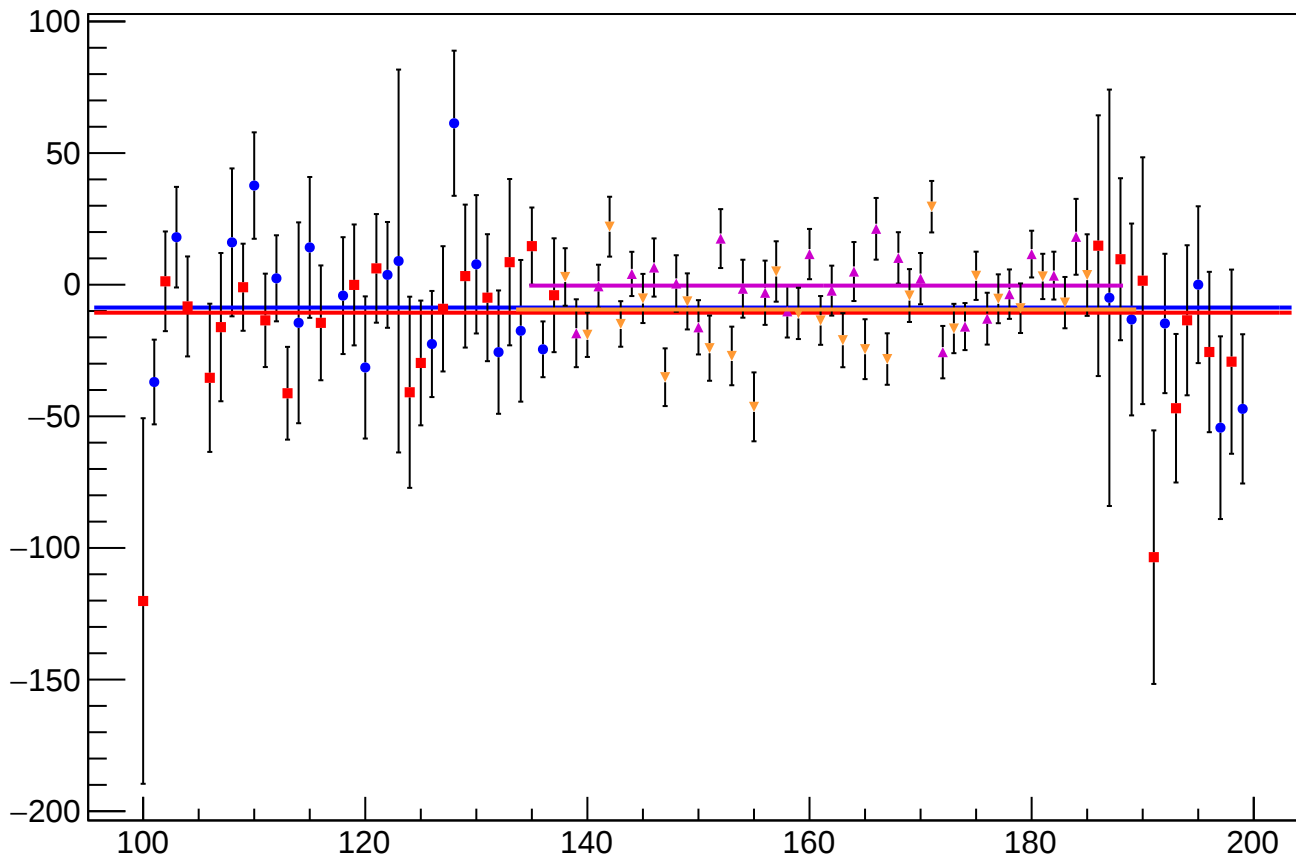
- sign 2.243 ± 1.298 χ^2/NDF : 60.8/49

diff_bpm4aY_rms vs Slug



Right In: 6690.522 ± 1.513 $\chi^2/\text{NDF}: 1454745.5/22$ + sign 6923.937 ± 0.928 $\chi^2/\text{NDF}: 1879670.9/47$
 Left Out: 7064.457 ± 1.174 $\chi^2/\text{NDF}: 386814.9/24$ All: 6881.306 ± 0.652 $\chi^2/\text{NDF}: 4532348.5/97$
 Right Out: 6597.088 ± 1.417 $\chi^2/\text{NDF}: 2072787.5/26$ - sign 6839.601 ± 0.918 $\chi^2/\text{NDF}: 2648500.0/49$
 Left In: 7014.572 ± 1.204 $\chi^2/\text{NDF}: 525313.7/22$

diff_bpm4eX_mean vs Slug



Right In: -8.675 ± 4.709 χ^2/NDF : 27.4/22

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

Right Out: -10.633 ± 4.633 χ^2/NDF : 19.8/26

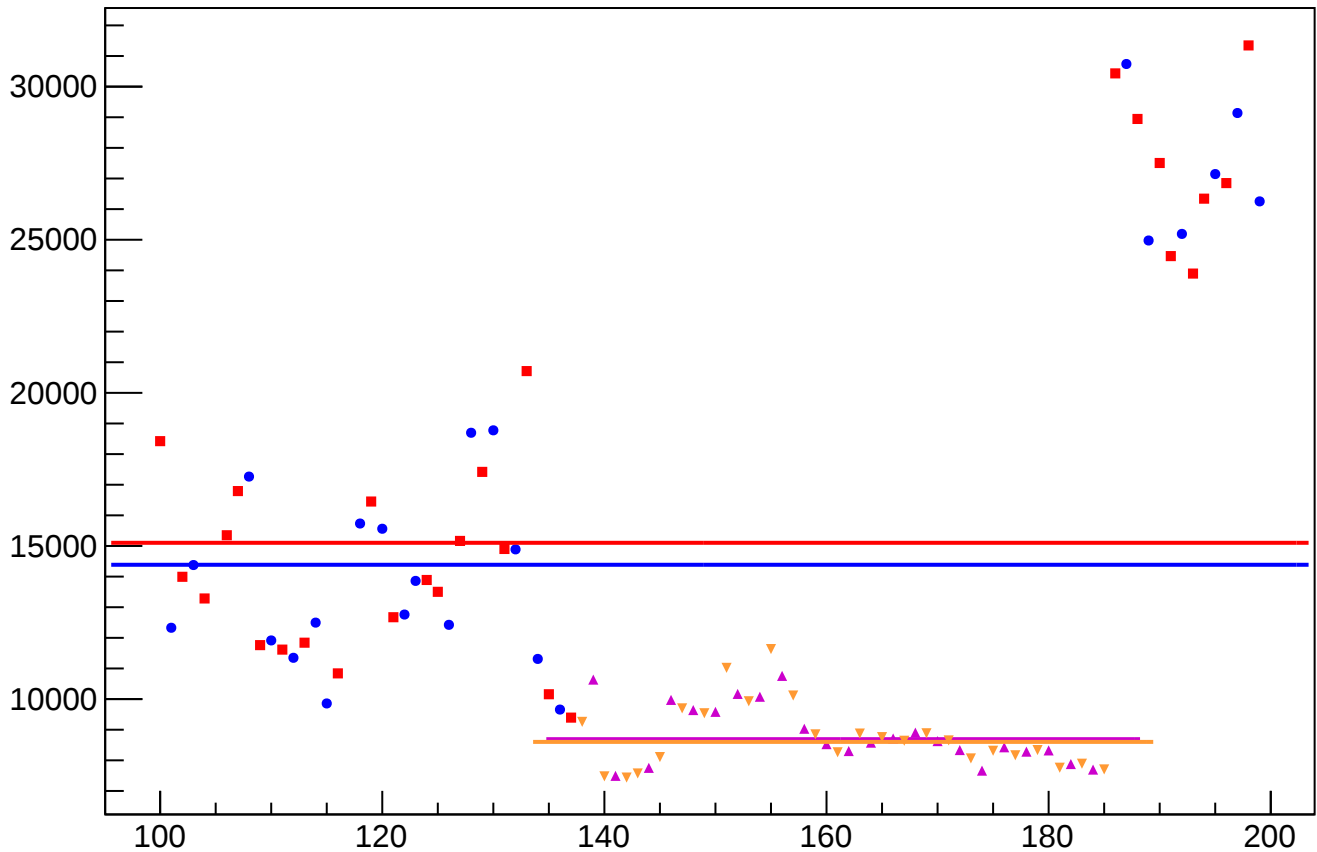
Left In: -0.344 ± 2.100 χ^2/NDF : 29.9/22

+ sign -9.297 ± 1.857 χ^2/NDF : 86.2/47

All: -5.804 ± 1.333 χ^2/NDF : 147.3/97

- sign -2.098 ± 1.913 χ^2/NDF : 53.8/49

diff_bpm4eX_rms vs Slug



Right In: 14386.167+/-3.330 χ^2/NDF : 2454723.3/22

Left Out: 8602.220+/-1.429 χ^2/NDF : 438805.2/24

+ sign 9501.750+/-1.313 χ^2/NDF : 5441179.8/47

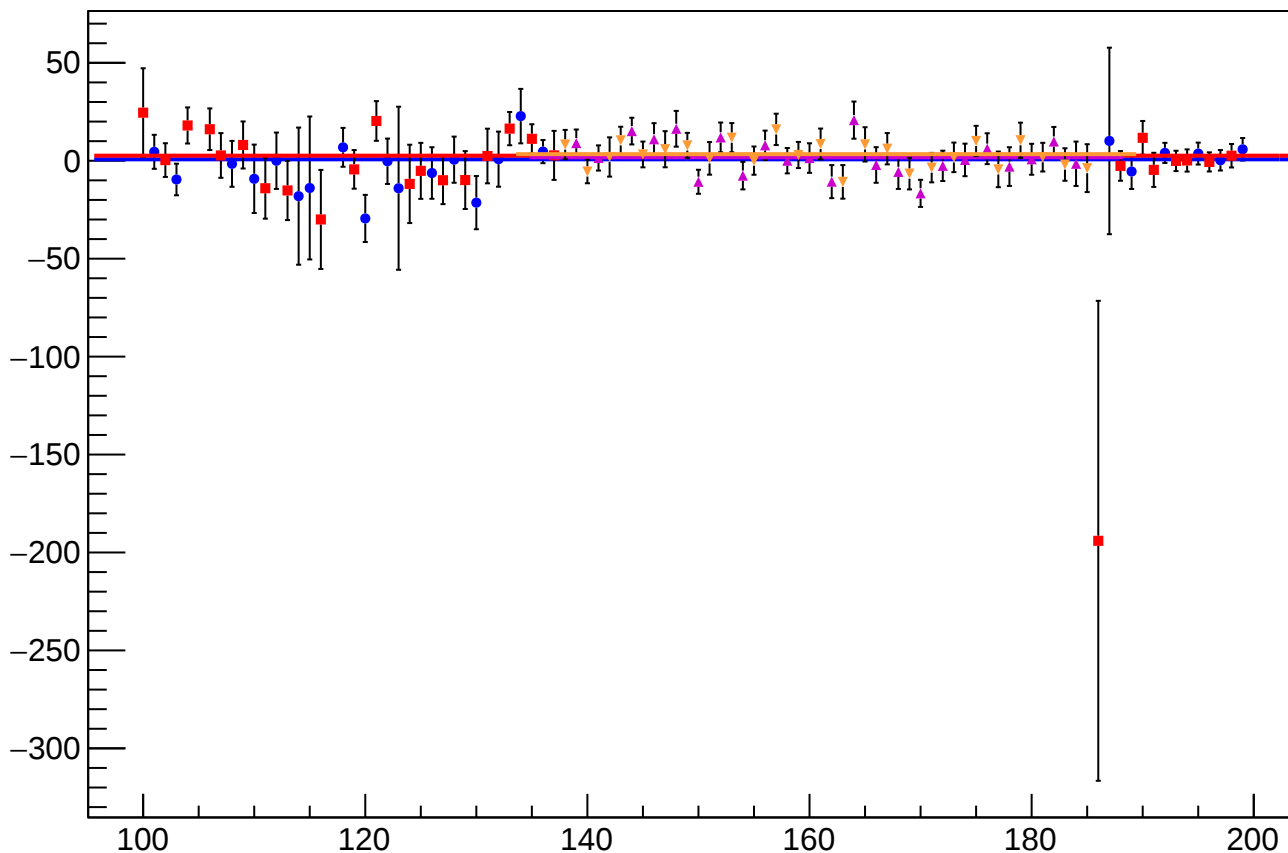
Right Out: 15103.788+/-3.276 χ^2/NDF : 2876869.7/26

All: 9639.021+/-0.942 χ^2/NDF : 11884348.1/5

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

- sign 9784.671+/-1.353 χ^2/NDF : 6420649.0/49

diff_bpm4eY_mean vs Slug



Right In: 0.722 ± 1.898 χ^2/NDF : 17.3/22

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

Right Out: 2.598 ± 1.754 χ^2/NDF : 25.7/26

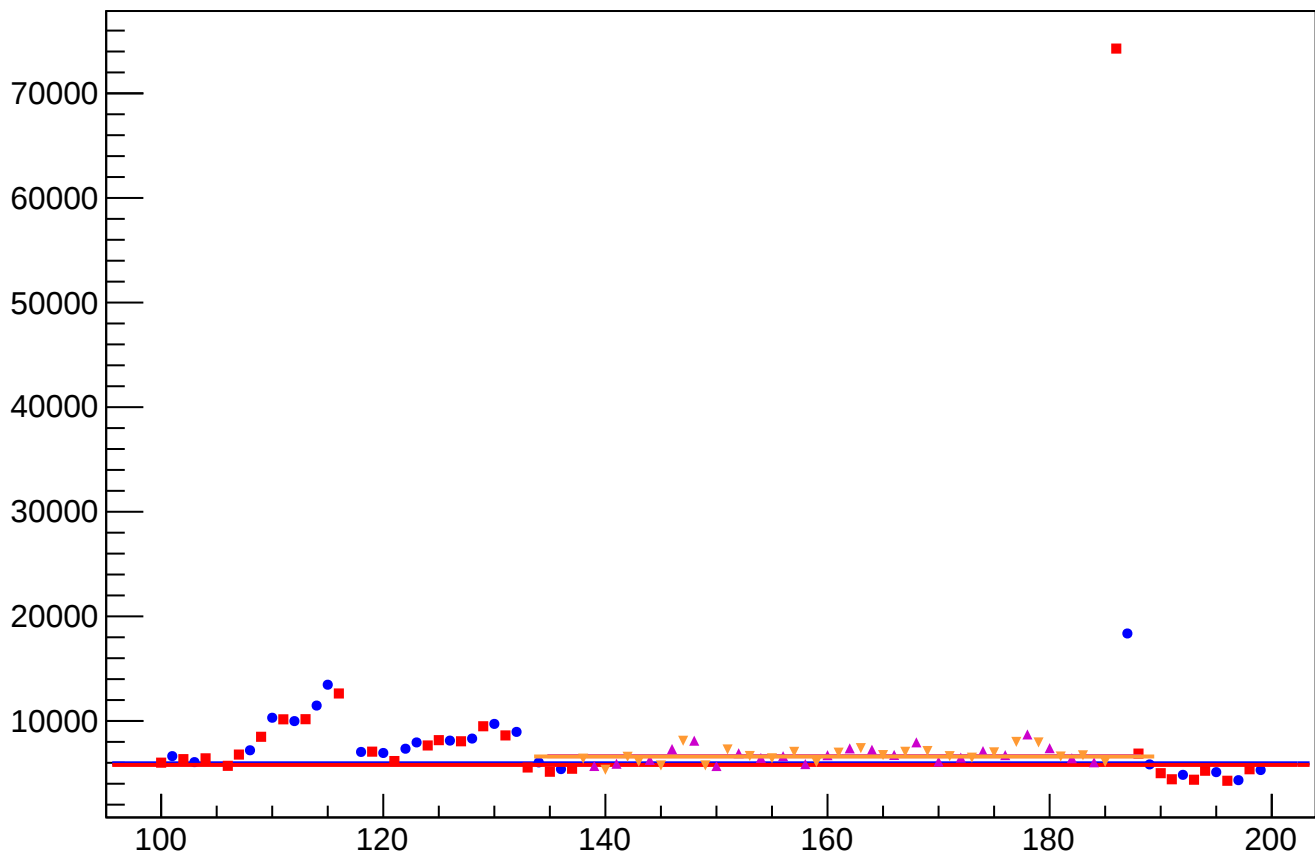
Left In: 1.756 ± 1.607 χ^2/NDF : 33.5/22

+ sign 2.311 ± 1.201 χ^2/NDF : 35.7/47

All: 2.225 ± 0.844 χ^2/NDF : 95.0/97

- sign 2.140 ± 1.185 χ^2/NDF : 59.3/49

diff_bpm4eY_rms vs Slug



Right In: 5952.438 ± 1.342 χ^2/NDF : 1409826.0/22

Left Out: 6603.953 ± 1.097 χ^2/NDF : 395247.5/24

Right Out: 5799.009 ± 1.240 χ^2/NDF : 2107842.1/26

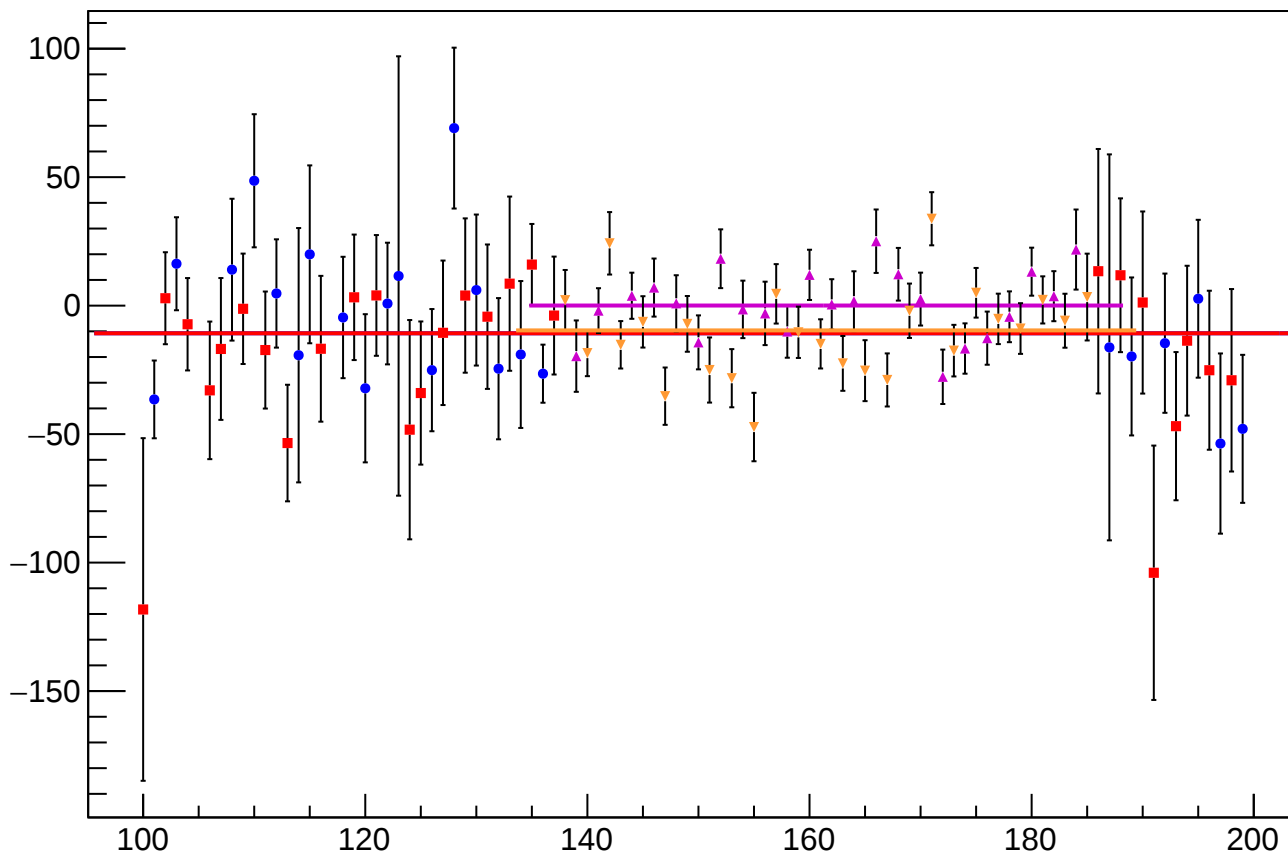
Left In: 6637.155 ± 1.136 χ^2/NDF : 415547.5/22

+ sign 6342.856 ± 0.849 χ^2/NDF : 1946354.9/47

All: 6298.120 ± 0.596 χ^2/NDF : 4723535.6/97

- sign 6254.603 ± 0.838 χ^2/NDF : 2771708.9/49

diff_bpm4acX_mean vs Slug



Right In: -10.757 ± 5.087 χ^2/NDF : 26.4/22

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

Right Out: -10.760 ± 5.054 χ^2/NDF : 20.1/26

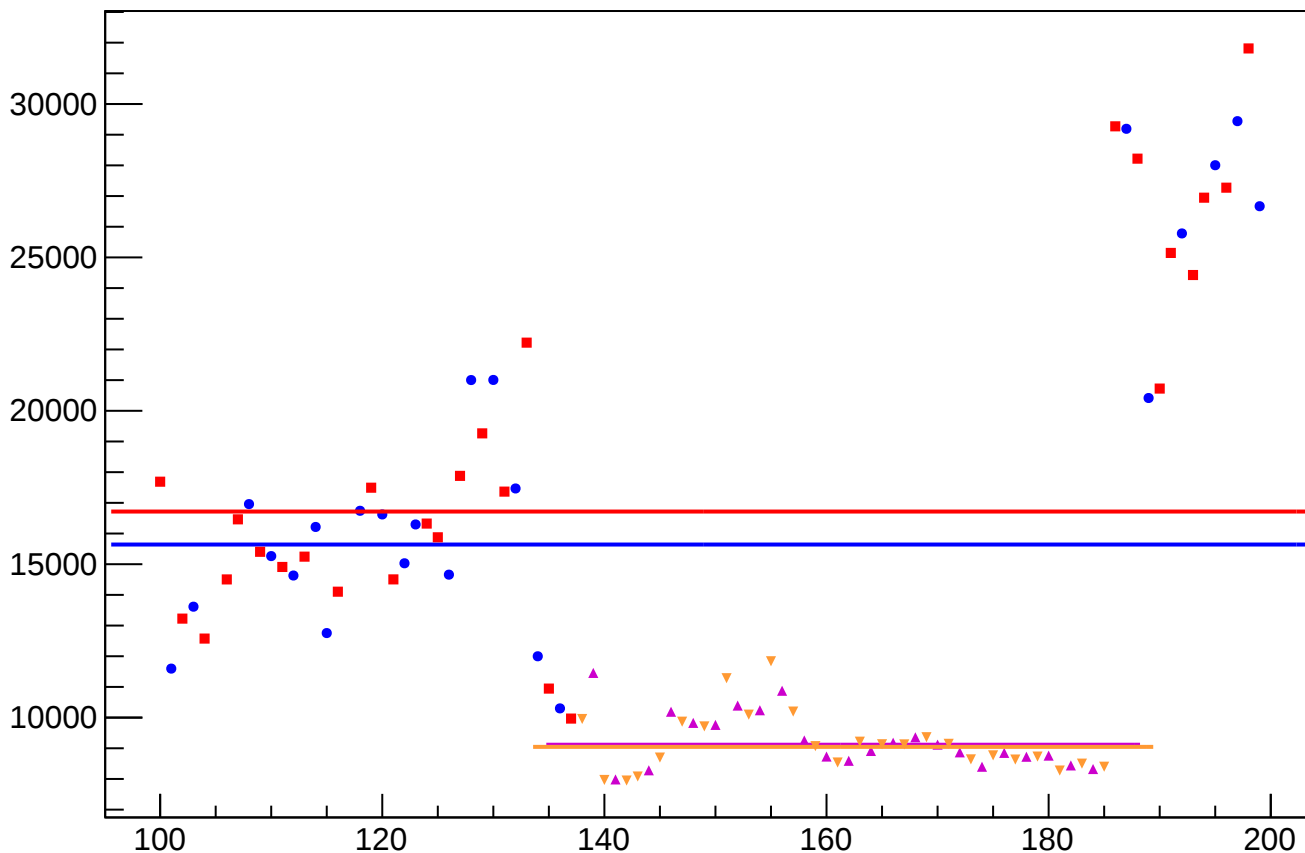
Left In: 0.042 ± 2.200 χ^2/NDF : 30.8/22

+ sign -9.805 ± 1.958 χ^2/NDF : 86.4/47

All: -5.863 ± 1.405 χ^2/NDF : 149.4/97

- sign -1.679 ± 2.017 χ^2/NDF : 54.7/49

diff_bpm4acX_rms vs Slug



Right In: 15641.187+/-3.597 χ^2/NDF : 2137273.1/22

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

Right Out: 16716.482+/-3.574 χ^2/NDF : 2276596.5/26

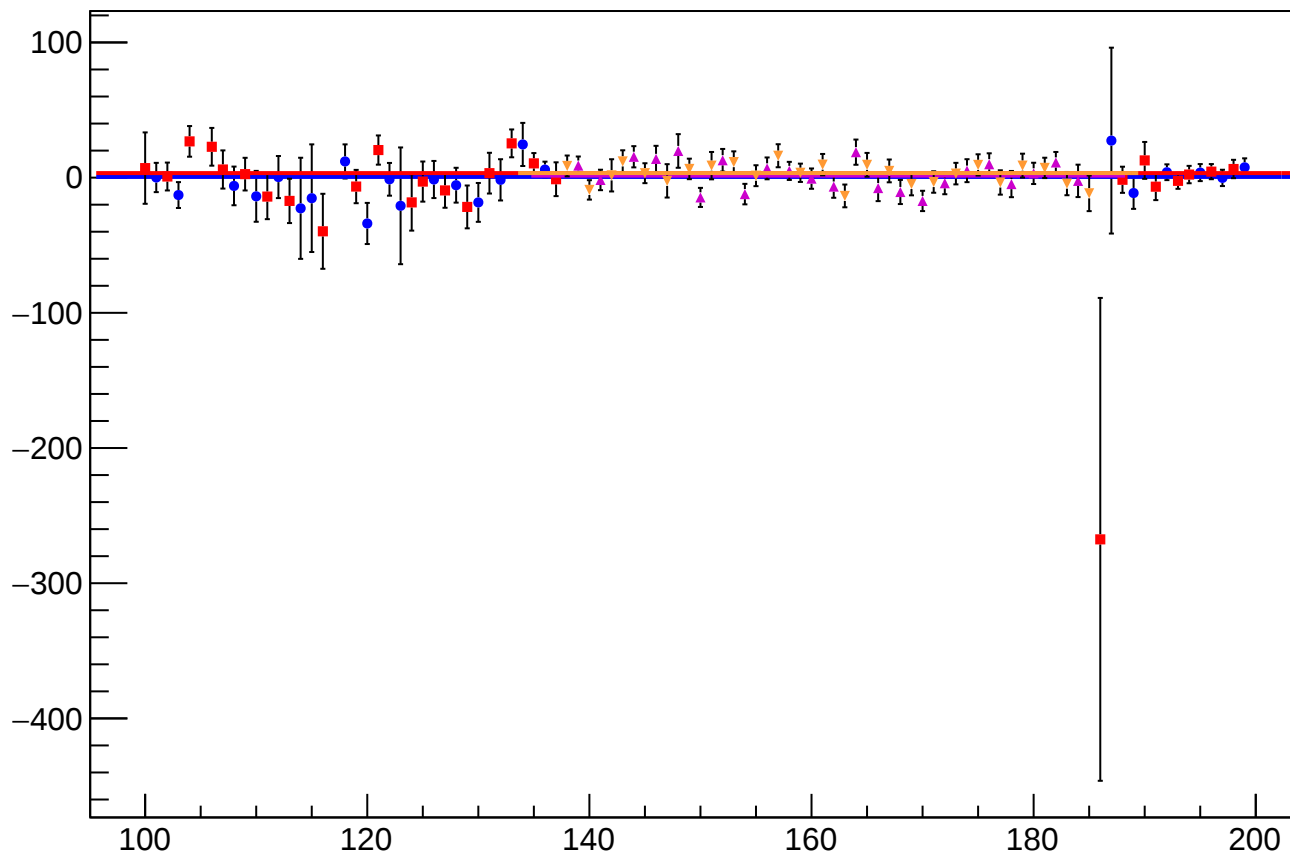
Left In: 9115.817+/-1.556 χ^2/NDF : 272471.8/22

+ sign 10023.118+/-1.385 χ^2/NDF : 5329209.8/47

All: 10170.368+/-0.994 χ^2/NDF : 11703986.8

- sign 10326.632+/-1.426 χ^2/NDF : 6351467.8/49

diff_bpm4acY_mean vs Slug



Right In: 0.520 ± 2.150 χ^2/NDF : 17.6/22

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

Right Out: 3.363 ± 2.015 χ^2/NDF : 30.1/26

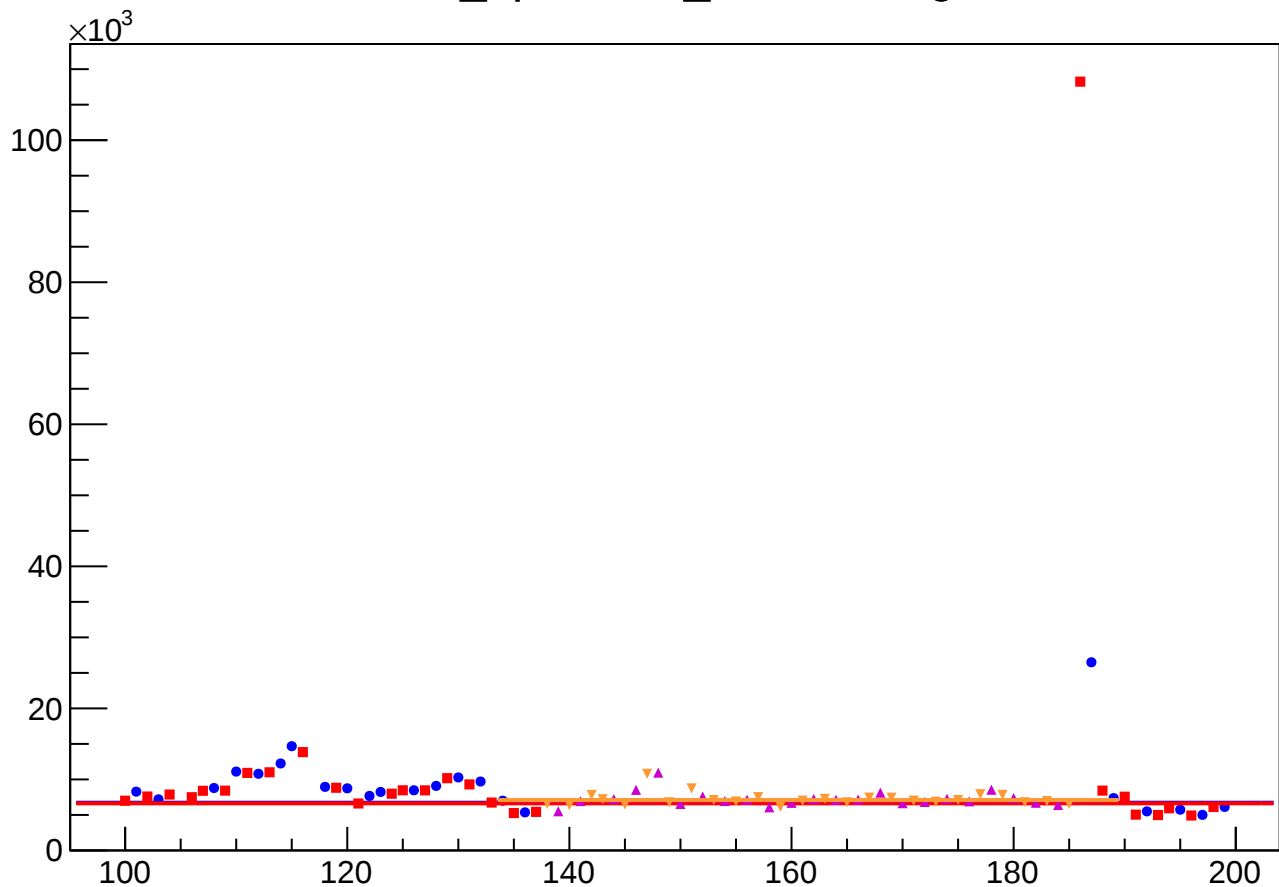
Left In: 1.479 ± 1.710 χ^2/NDF : 36.7/22

+ sign 2.310 ± 1.318 χ^2/NDF : 38.1/47

All: 2.289 ± 0.927 χ^2/NDF : 105.5/97

- sign 2.268 ± 1.304 χ^2/NDF : 67.4/49

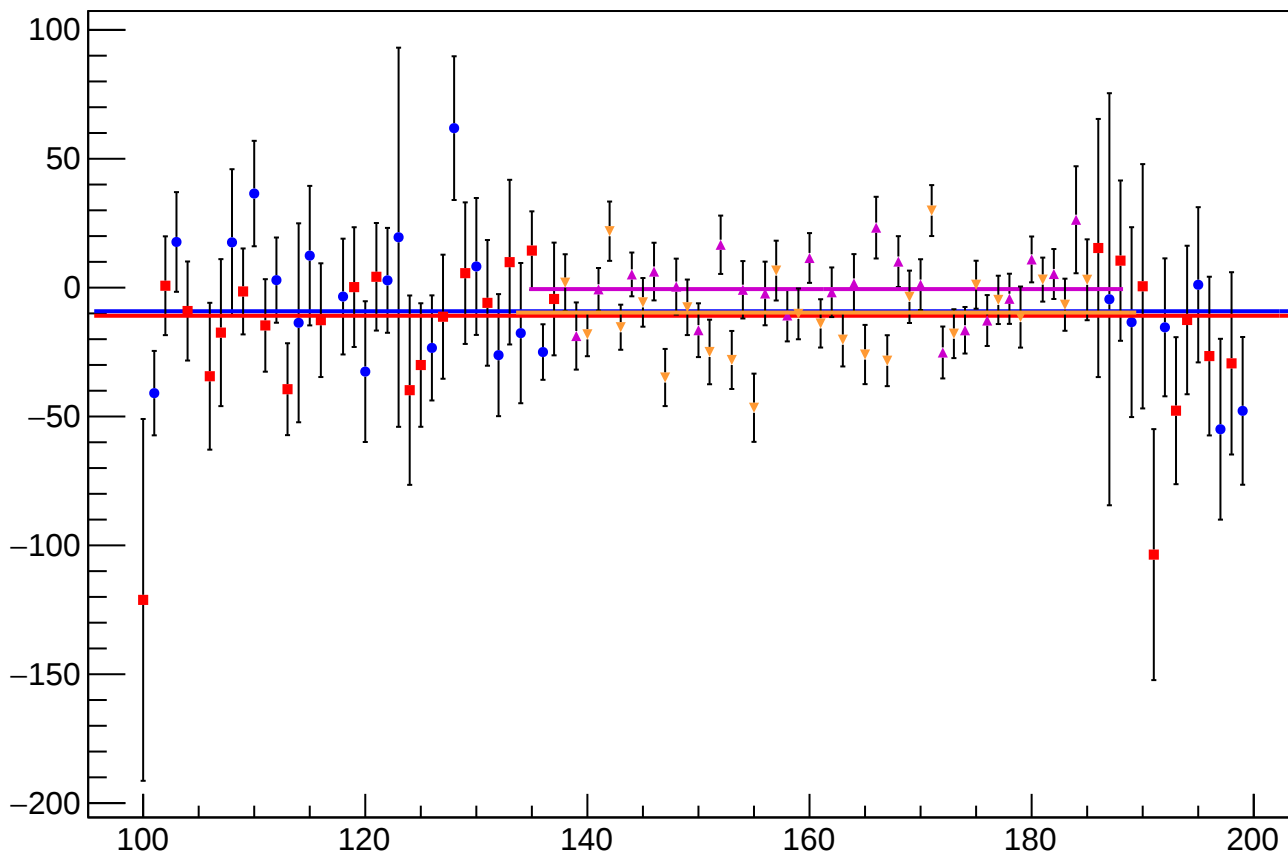
diff_bpm4acY_rms vs Slug



Right In: 6721.845 ± 1.520 χ^2/NDF : 1461711.8/22
 Left Out: 7096.350 ± 1.179 χ^2/NDF : 381942.1/24
 Right Out: 6631.297 ± 1.425 χ^2/NDF : 2077236.0/26
 Left In: 7047.269 ± 1.209 χ^2/NDF : 517433.5/22

+ sign 6955.676 ± 0.932 χ^2/NDF : 1881532.6/47
 All: 6913.916 ± 0.655 χ^2/NDF : 4529731.2/97
 - sign 6873.046 ± 0.922 χ^2/NDF : 2644225.2/49

diff_bpm4ecX_mean vs Slug



Right In: -9.158 ± 4.771 χ^2/NDF : 27.9/22

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

Right Out: -10.911 ± 4.696 χ^2/NDF : 18.8/26

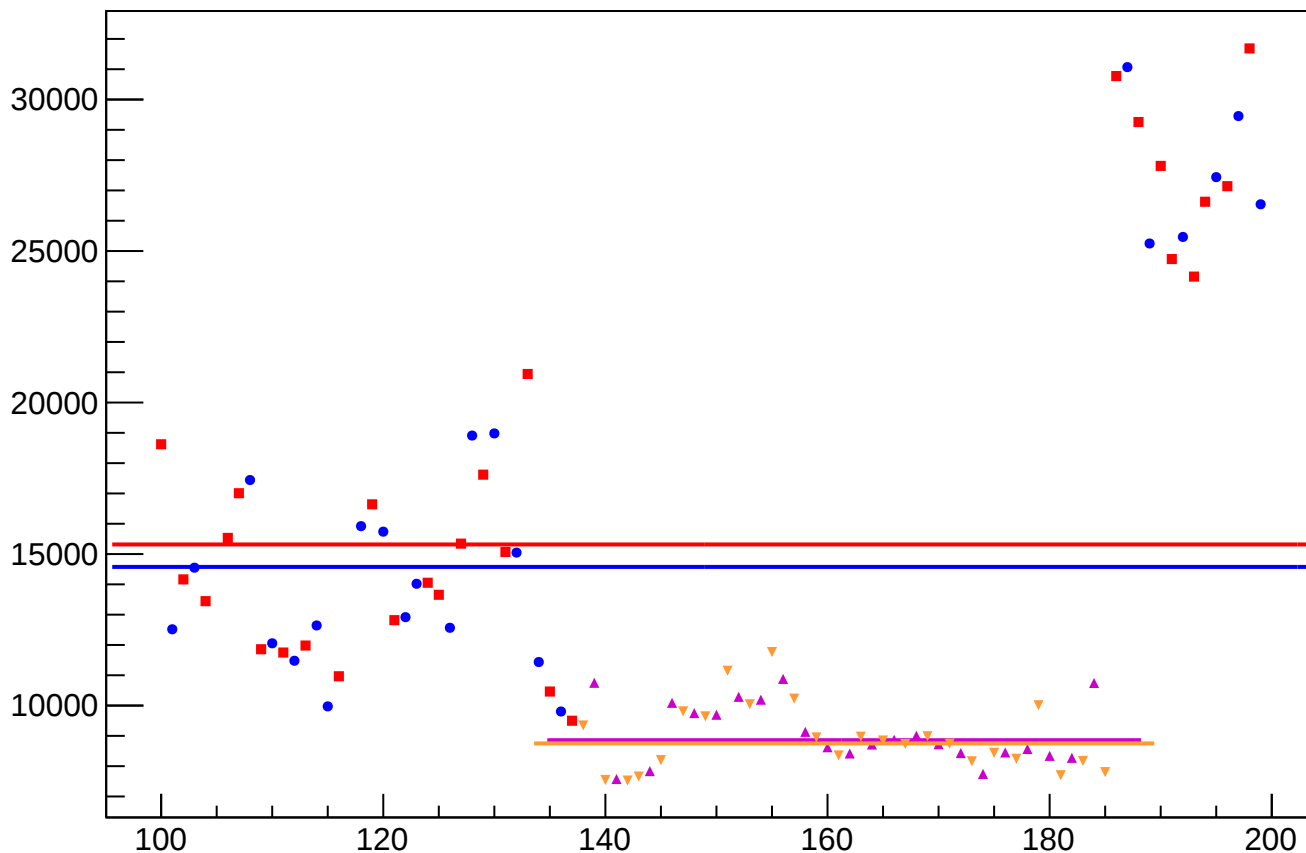
Left In: -0.564 ± 2.144 χ^2/NDF : 29.7/22

+ sign -9.590 ± 1.892 χ^2/NDF : 85.9/47

All: -6.079 ± 1.358 χ^2/NDF : 145.5/97

- sign -2.348 ± 1.950 χ^2/NDF : 52.6/49

diff_bpm4ecX_rms vs Slug



Right In: 14575.615+/-3.374 χ^2/NDF : 2439534.8/22

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

Right Out: 15316.884+/-3.321 χ^2/NDF : 2848830.9/26

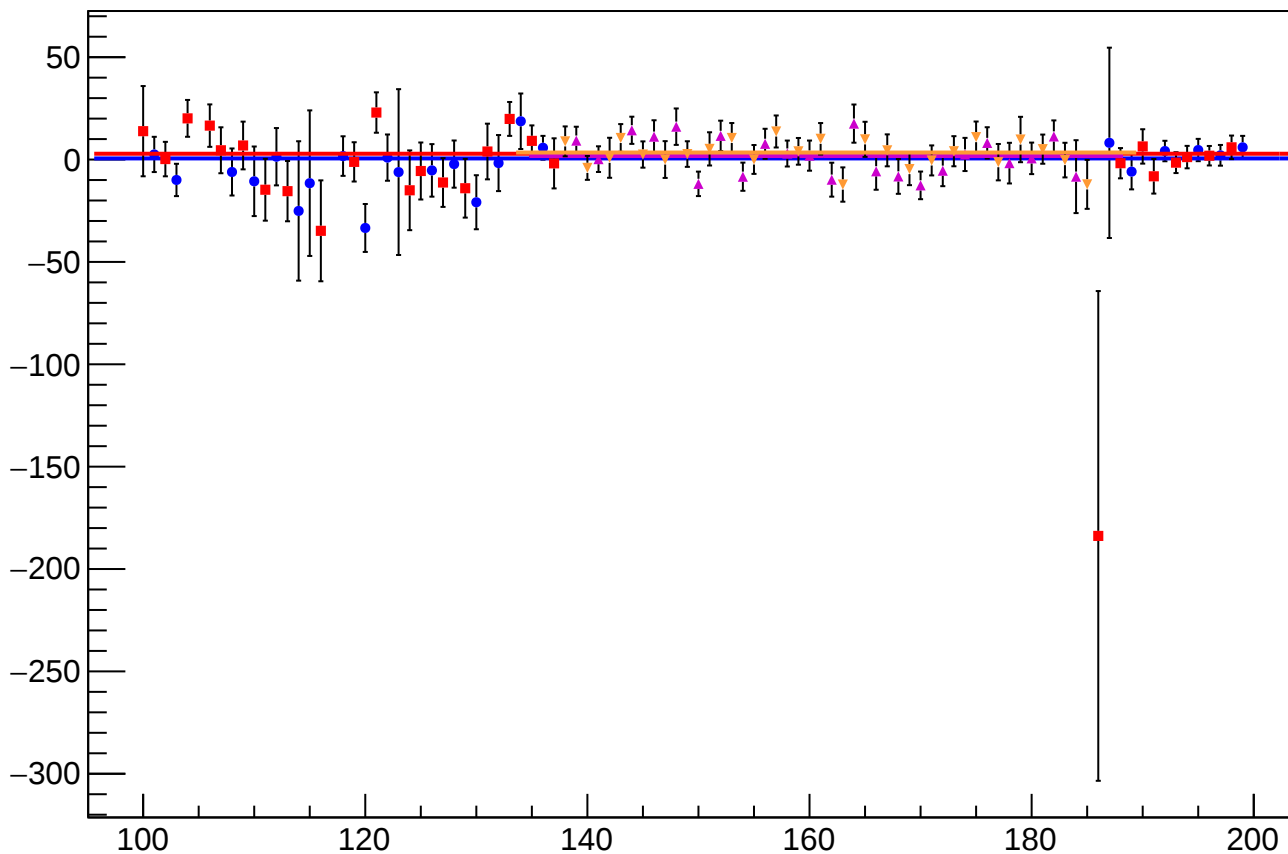
Left In: 8857.329+/-1.516 χ^2/NDF : 361778.8/22

+ sign 9666.197+/-1.338 χ^2/NDF : 5416057.1/47

All: 9814.007+/-0.960 χ^2/NDF : 11783017.7/9

- sign 9971.083+/-1.379 χ^2/NDF : 6341775.1/49

diff_bpm4ecY_mean vs Slug



Right In: 0.549 ± 1.851 χ^2/NDF : 20.0/22

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

Right Out: 2.840 ± 1.711 χ^2/NDF : 30.4/26

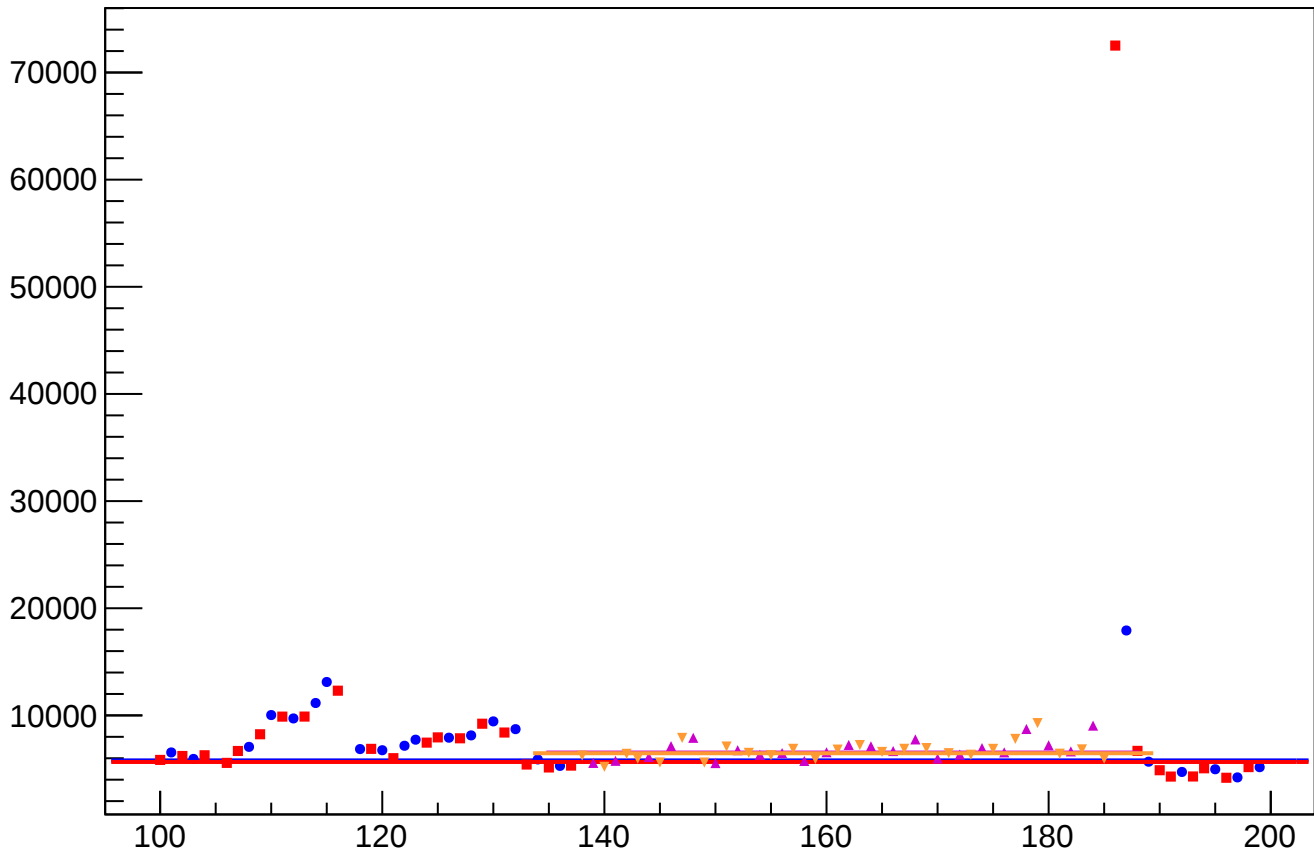
Left In: 1.734 ± 1.586 χ^2/NDF : 33.6/22

+ sign 2.266 ± 1.177 χ^2/NDF : 37.6/47

All: 2.256 ± 0.827 χ^2/NDF : 101.8/97

- sign 2.246 ± 1.163 χ^2/NDF : 64.2/49

diff_bpm4ecY_rms vs Slug



Right In: 5800.655 ± 1.309 $\chi^2/\text{NDF}: 1418479.2/22$

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

Right Out: 5653.559 ± 1.210 $\chi^2/\text{NDF}: 2099104.8/26$

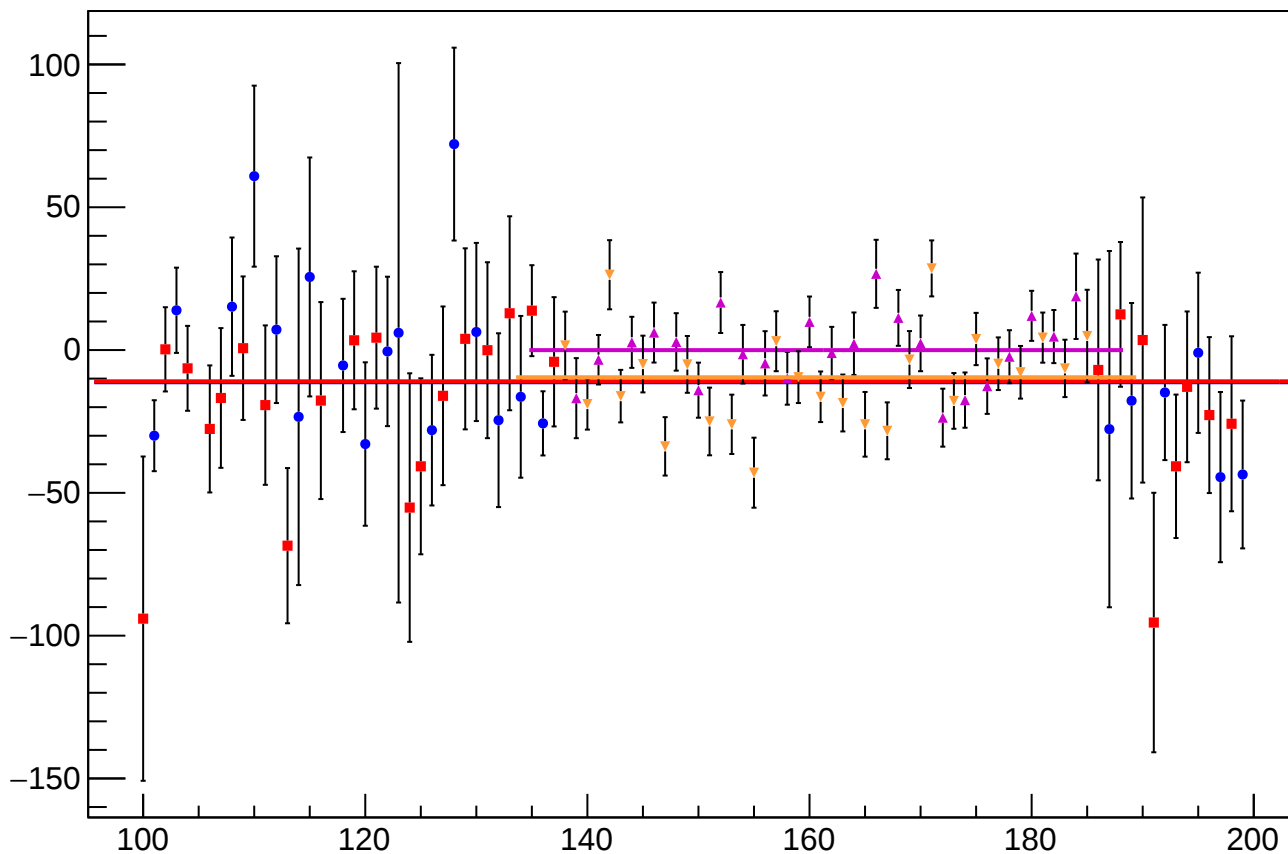
Left In: 6530.954 ± 1.121 $\chi^2/\text{NDF}: 464668.6/22$

+ sign 6198.509 ± 0.832 $\chi^2/\text{NDF}: 2060899.6/47$

All: 6161.533 ± 0.585 $\chi^2/\text{NDF}: 4911522.6/97$

- sign 6125.445 ± 0.822 $\chi^2/\text{NDF}: 2846724.0/49$

diff_bpm1X_mean vs Slug



Right In: -11.273 ± 4.935 χ^2/NDF : 25.4/22

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

Right Out: -10.947 ± 4.914 χ^2/NDF : 20.4/26

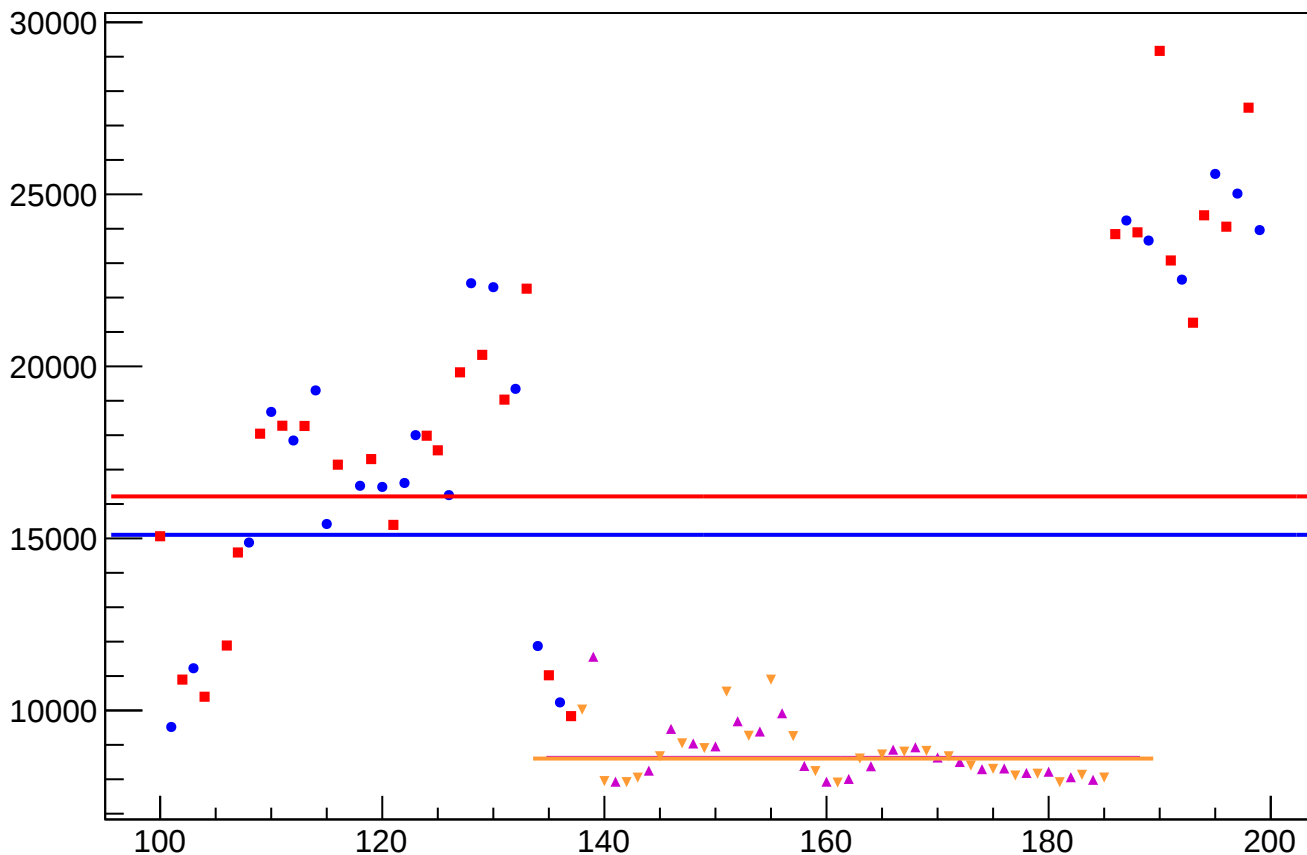
Left In: -0.027 ± 2.080 χ^2/NDF : 29.9/22

+ sign -9.778 ± 1.866 χ^2/NDF : 85.1/47

All: -5.838 ± 1.336 χ^2/NDF : 148.7/97

- sign -1.685 ± 1.915 χ^2/NDF : 54.5/49

diff_bpm1X_rms vs Slug



Right In: 15104.320+/-3.489 χ^2/NDF : 2363413.1/22

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

Right Out: 16220.984+/-3.475 χ^2/NDF : 2363492.9/26

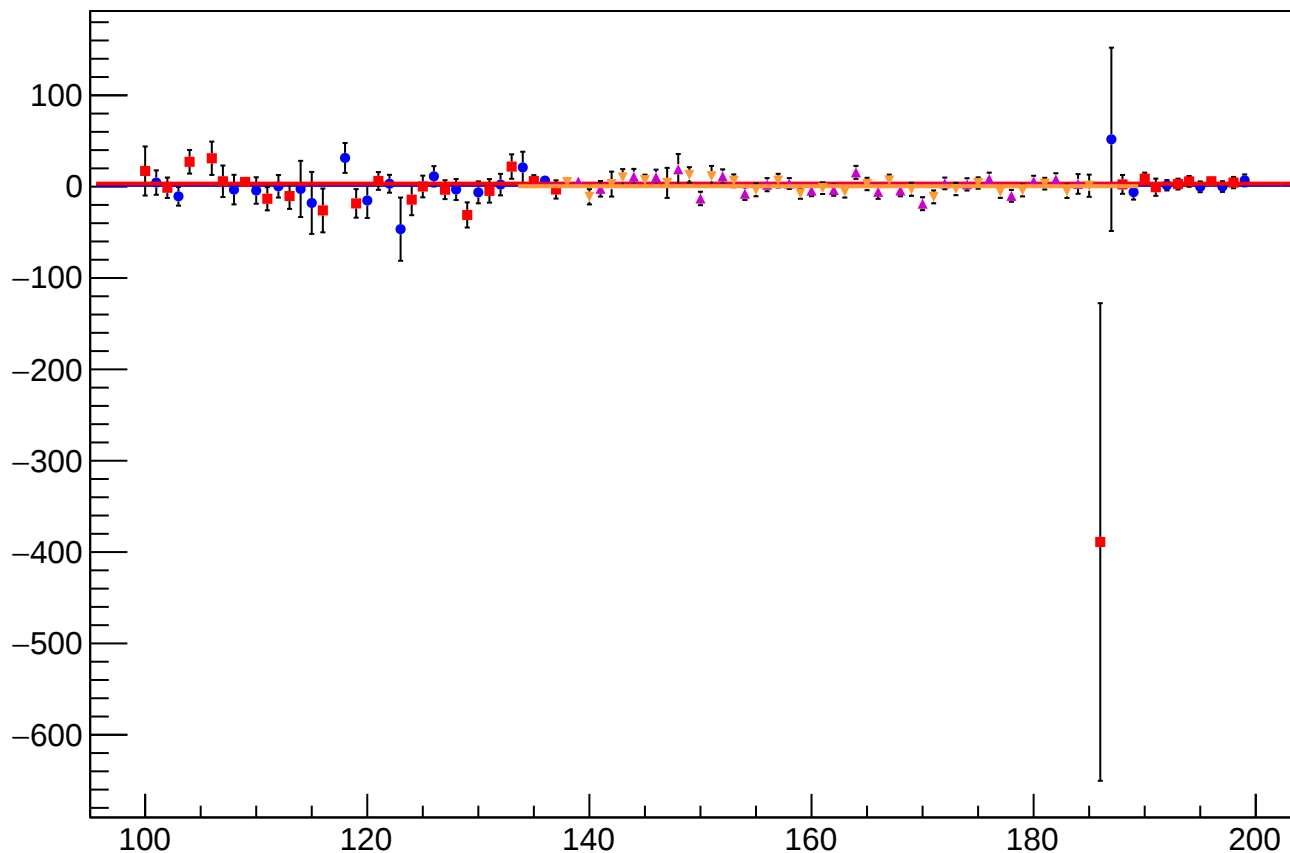
Left In: 8621.975+/-1.471 χ^2/NDF : 230824.4/22

+ sign 9531.321+/-1.319 χ^2/NDF : 5588457.5/47

All: 9650.581+/-0.945 χ^2/NDF : 12255051.9/9

- sign 9776.283+/-1.354 χ^2/NDF : 6649807.9/49

diff_bpm1Y_mean vs Slug



Right In: 1.951 $\pm$ 1.966 χ^2 /NDF: 13.9/22

Left Out: 0.481 $\pm$ 1.419 χ^2 /NDF:19.6/24

Right Out: 3.330 $\pm$ 1.743 χ^2 /NDF: 26.7/26

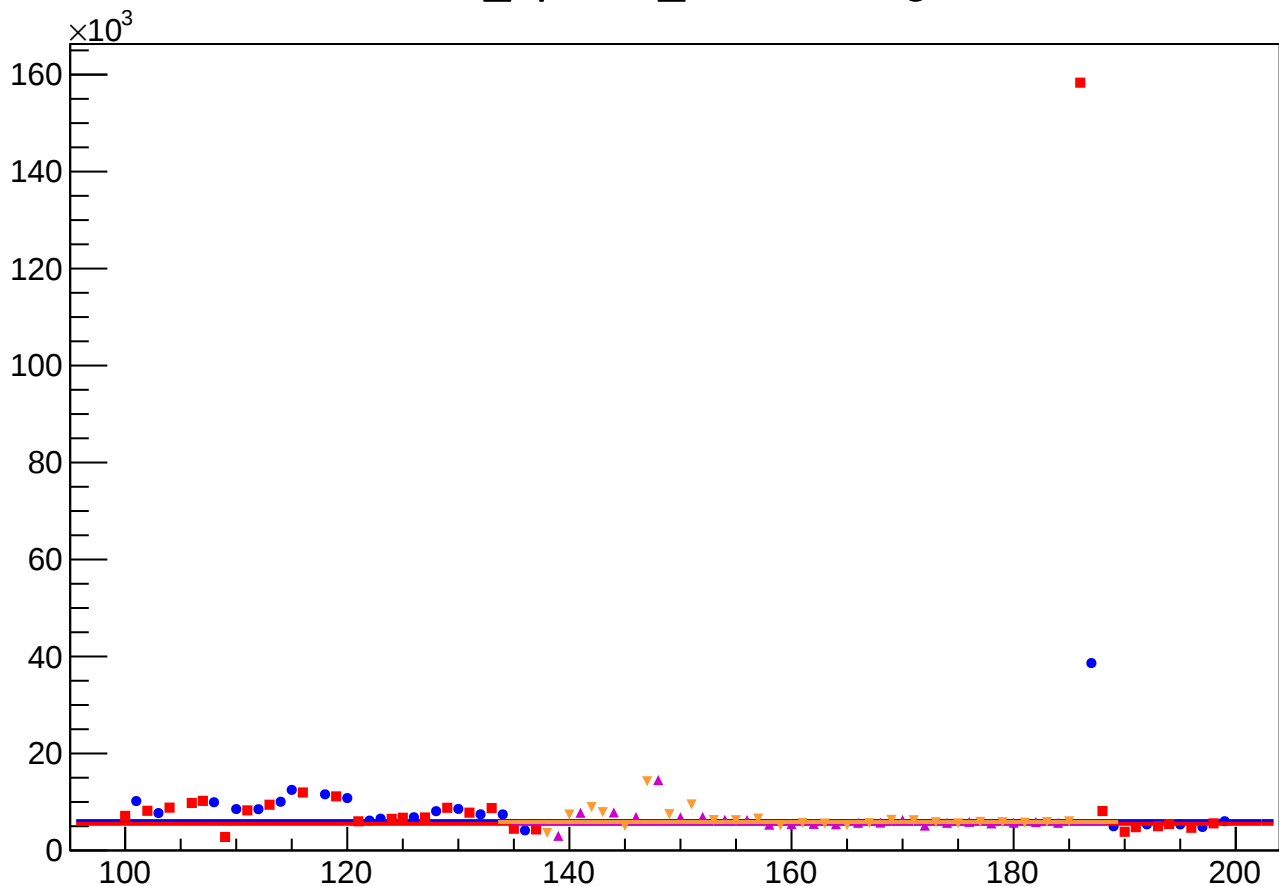
Left In: 1.298 $\pm$ 1.406 χ^2 /NDF:33.0/22

+ sign 0.984 $\pm$ 1.151 χ^2 /NDF: 33.8/47

All: 1.570 $\pm$ 0.793 χ^2 /NDF: 94.9/97

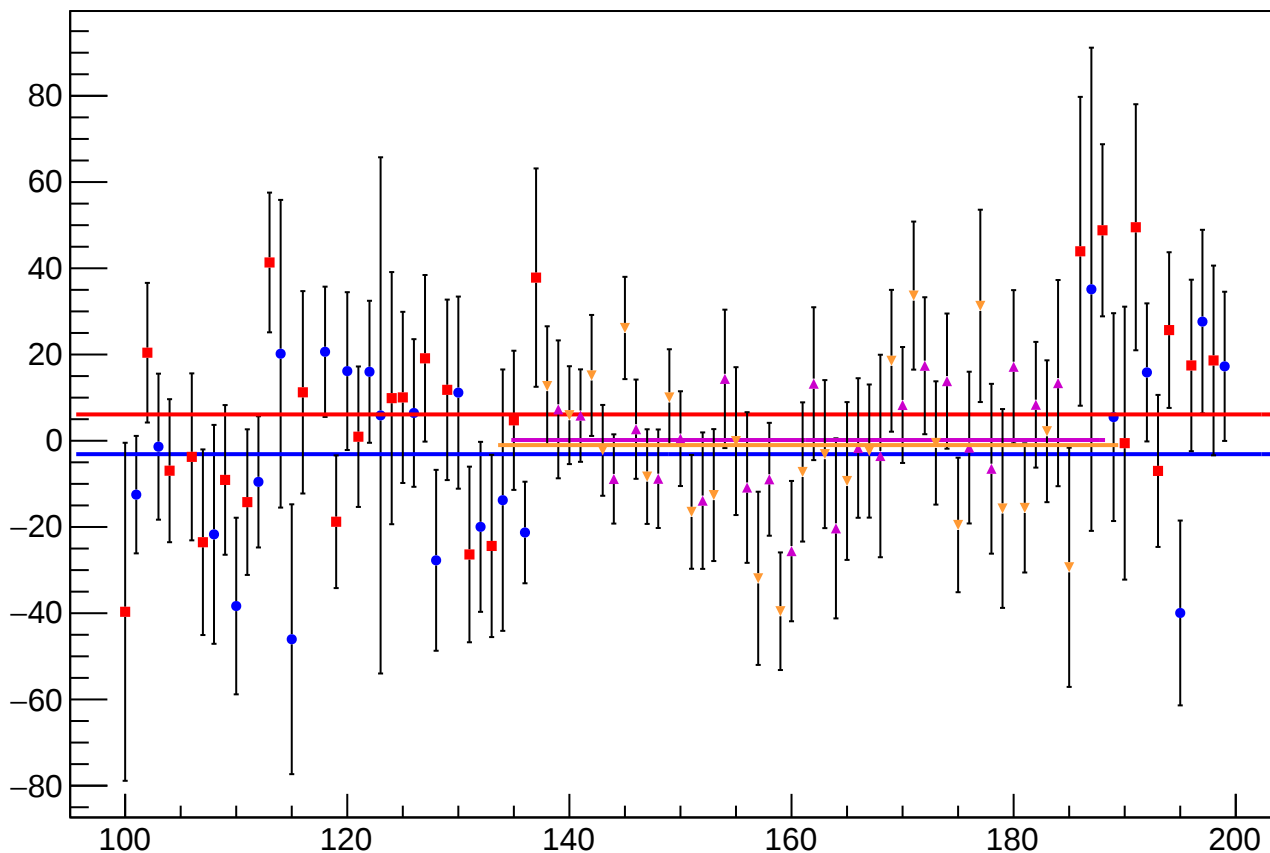
- sign 2.099 $\pm$ 1.095 χ^2 /NDF: 60.5/49

diff_bpm1Y_rms vs Slug



Right In: 6051.219+/-1.390	χ^2/NDF : 1895171.9/22	+ sign 5924.606+/-0.814	χ^2/NDF : 3599129.6/47
Left Out: 5858.642+/-1.004	χ^2/NDF : 1691344.1/24	All: 5730.534+/-0.561	χ^2/NDF : 9132189.9/97
Right Out: 5490.552+/-1.233	χ^2/NDF : 3330462.6/26	- sign 5554.967+/-0.774	χ^2/NDF : 5424719.7/49
Left In: 5596.879+/-0.994	χ^2/NDF : 2089750.1/22		

diff_bpm11X_mean vs Slug



Right In: -3.111 ± 4.000 $\chi^2/\text{NDF}: 25.2/22$

Left Out: -1.007 ± 2.942 $\chi^2/\text{NDF}: 33.5/24$

Right Out: 6.108 ± 3.821 $\chi^2/\text{NDF}: 31.8/26$

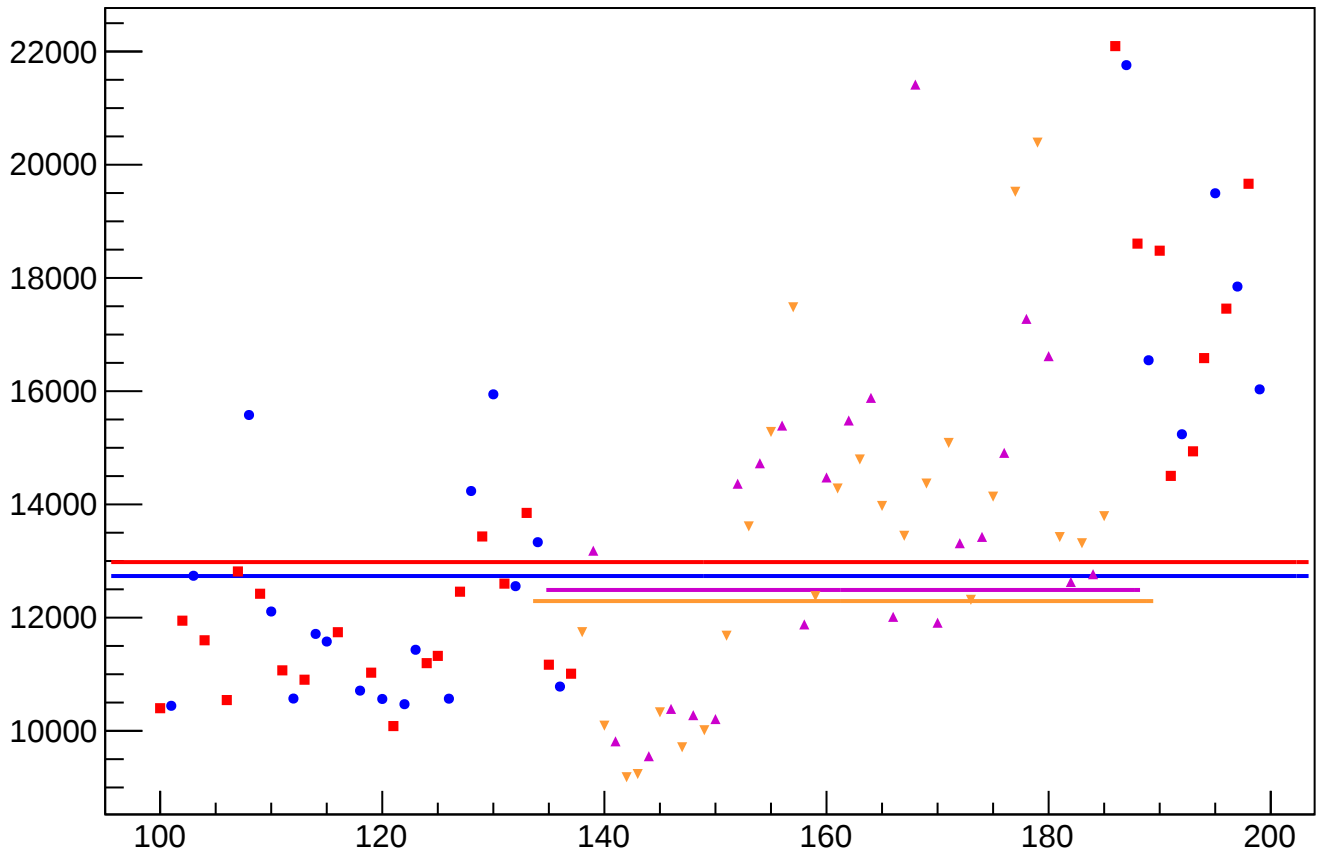
Left In: 0.172 ± 3.067 $\chi^2/\text{NDF}: 12.4/22$

+ sign -1.745 ± 2.370 $\chi^2/\text{NDF}: 58.8/47$

All: 0.357 ± 1.683 $\chi^2/\text{NDF}: 106.1/97$

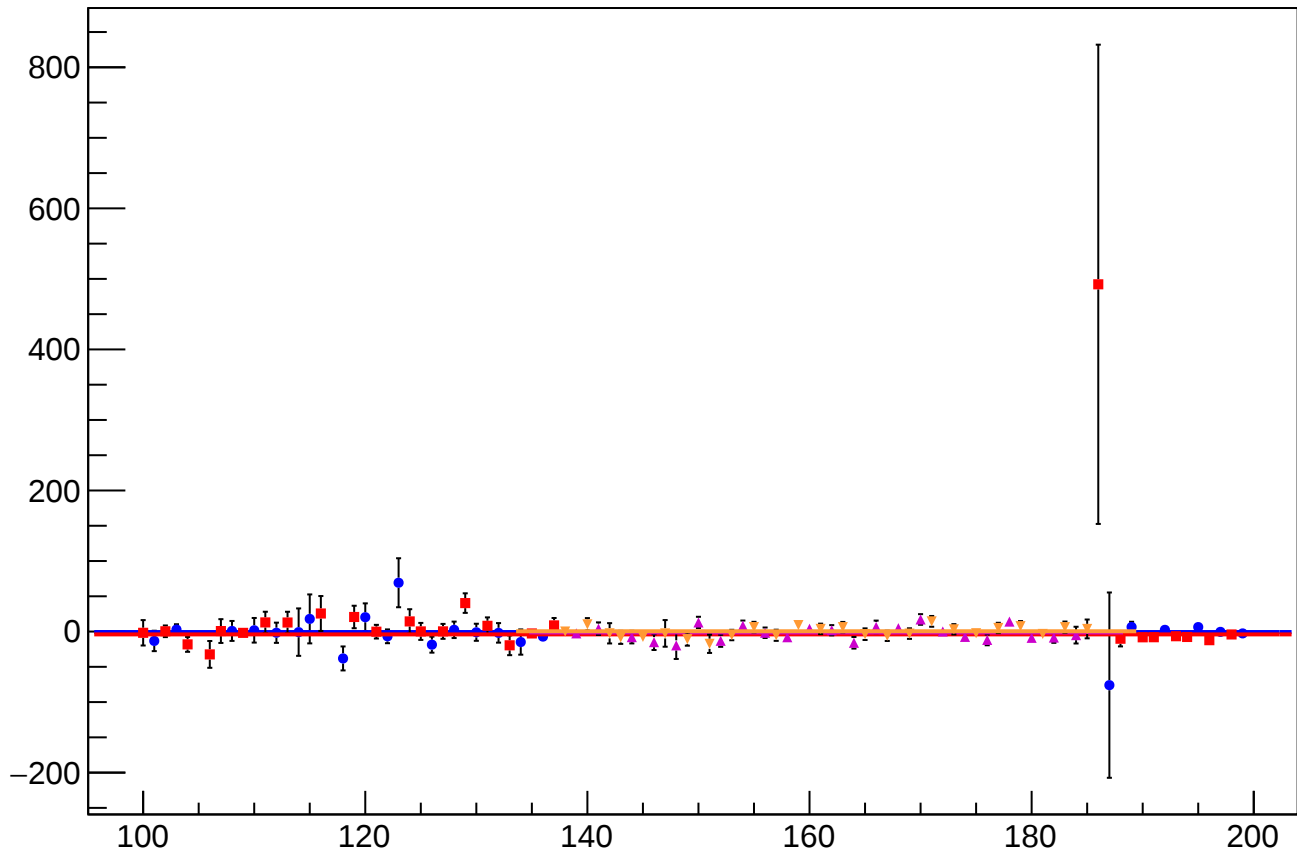
- sign 2.498 ± 2.392 $\chi^2/\text{NDF}: 45.7/49$

diff_bpm11X_rms vs Slug



Right In: 12734.955 $\pm$ 2.828	χ^2 /NDF: 908678.6/22	+ sign 12447.854 $\pm$ 1.676	χ^2 /NDF: 2427103.3/47
Left Out: 12292.583 $\pm$ 2.080	χ^2 /NDF: 1502548.3/24	All: 12563.705 $\pm$ 1.190	χ^2 /NDF: 4845427.5/9
Right Out: 12981.192 $\pm$ 2.702	χ^2 /NDF: 1033995.0/26	- sign 12681.745 $\pm$ 1.691	χ^2 /NDF: 2408673.8/49
Left In: 12488.821 $\pm$ 2.169	χ^2 /NDF: 1354485.4/22		

diff_bpm11Y_mean vs Slug



Right In: -0.682 ± 1.787 χ^2/NDF : 20.7/22

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

Right Out: -4.020 ± 1.605 χ^2/NDF : 33.2/26

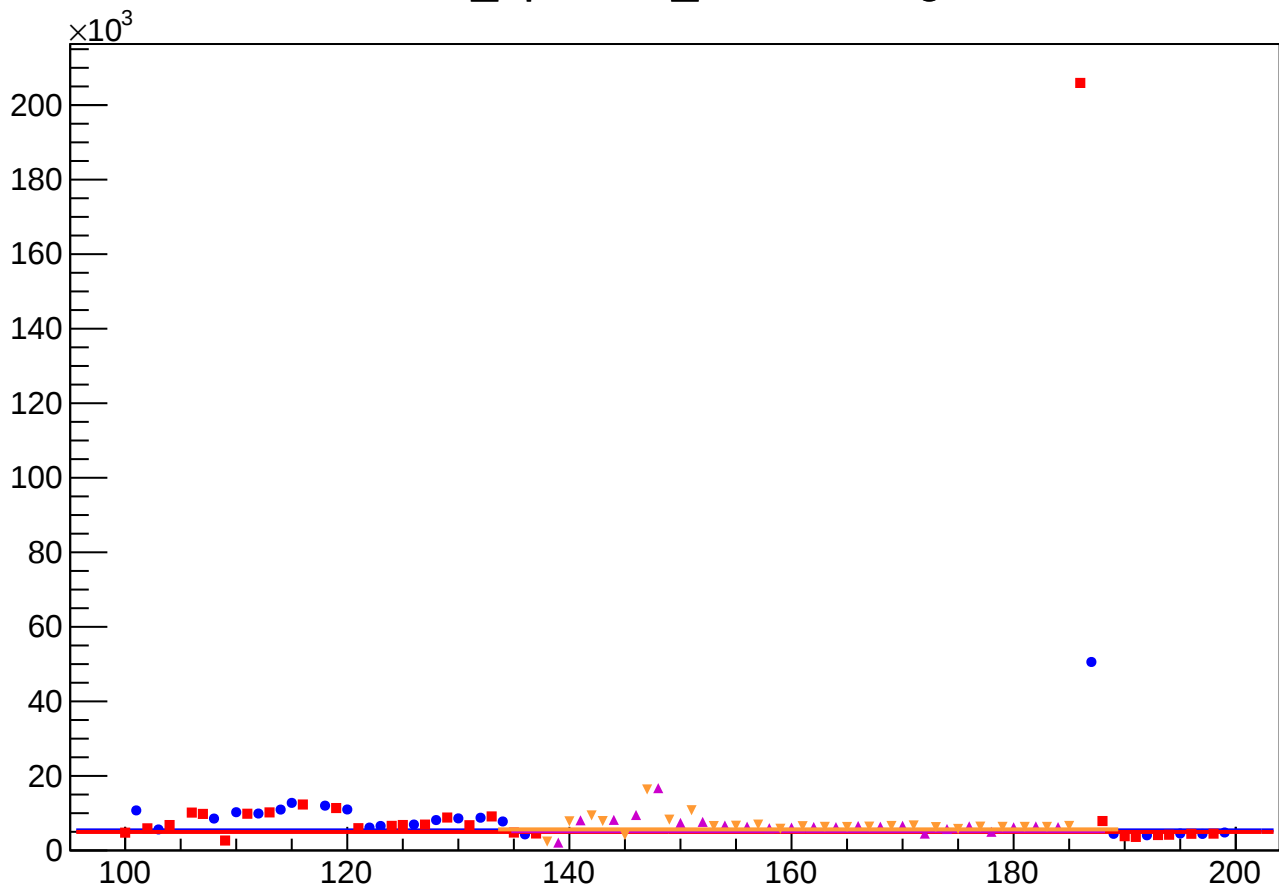
Left In: -1.278 ± 1.386 χ^2/NDF : 34.0/22

+ sign -0.018 ± 1.119 χ^2/NDF : 40.2/47

All: -1.311 ± 0.765 χ^2/NDF : 111.5/97

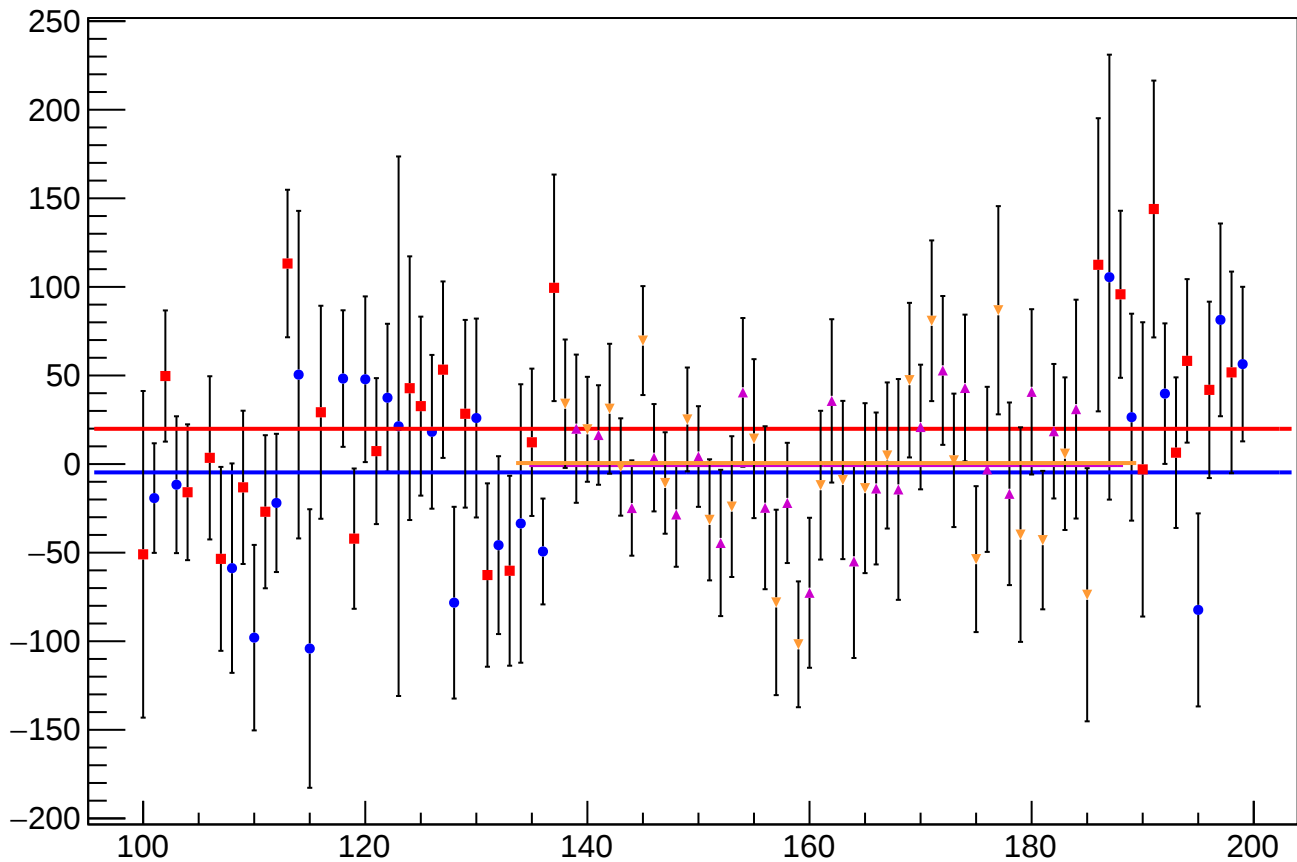
- sign -2.449 ± 1.049 χ^2/NDF : 68.8/49

diff_bpm11Y_rms vs Slug



Right In: 5388.705+/-1.264 χ^2/NDF : 2510432.5/22 + sign 5551.035+/-0.791 χ^2/NDF : 6661691.7/47
 Left Out: 5655.639+/-1.014 χ^2/NDF : 4124124.3/24 All: 5304.771+/-0.541 χ^2/NDF : 15703483.8/9
 Right Out: 4964.155+/-1.135 χ^2/NDF : 3488761.3/26 - sign 5088.263+/-0.742 χ^2/NDF : 8859676.9/49
 Left In: 5180.743+/-0.980 χ^2/NDF : 5350053.6/22

diff_bpm12X_mean vs Slug



Right In: -4.701 ± 9.944 $\chi^2/\text{NDF}: 24.9/22$

Left Out: 0.580 ± 7.691 $\chi^2/\text{NDF}: 31.0/24$

Right Out: 19.902 ± 9.507 $\chi^2/\text{NDF}: 28.7/26$

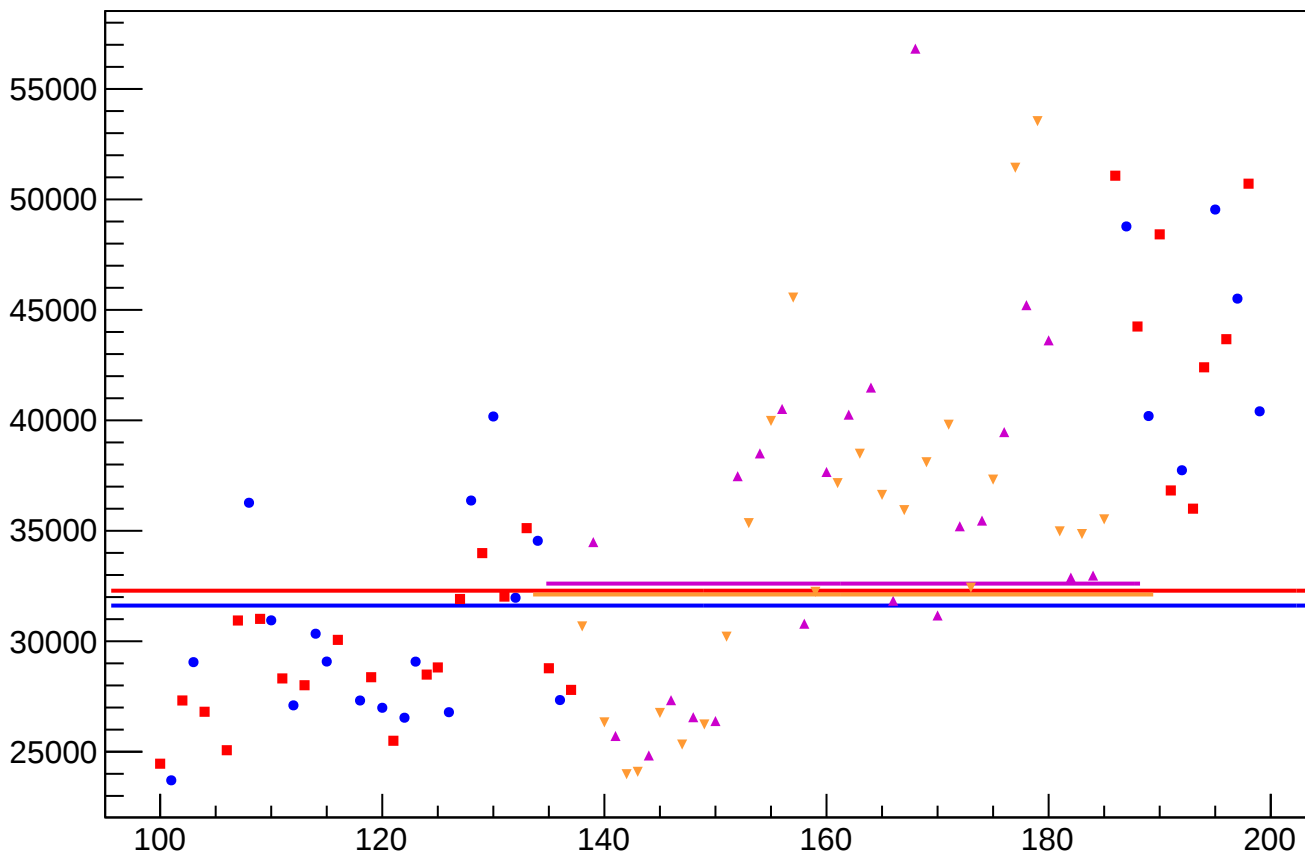
Left In: -0.565 ± 8.015 $\chi^2/\text{NDF}: 14.3/22$

+ sign -1.397 ± 6.084 $\chi^2/\text{NDF}: 56.1/47$

All: 3.237 ± 4.317 $\chi^2/\text{NDF}: 102.9/97$

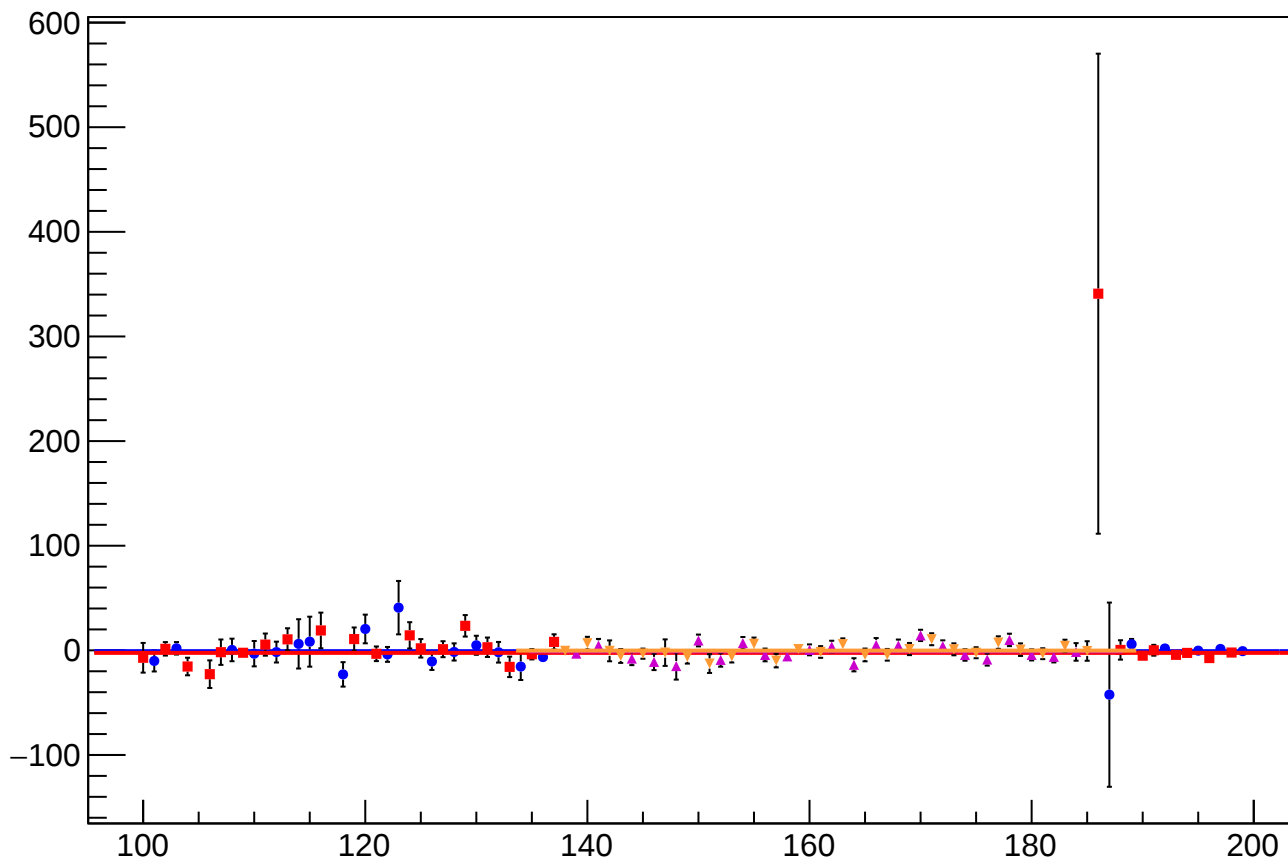
- sign 7.938 ± 6.128 $\chi^2/\text{NDF}: 45.7/49$

diff_bpm12X_rms vs Slug



Right In: 31615.734+/-7.032	χ^2/NDF : 943254.1/22	+ sign 31929.512+/-4.302	χ^2/NDF : 2483176.4/47
Left Out: 32117.184+/-5.438	χ^2/NDF : 1536740.0/24	All: 32201.220+/-3.053	χ^2/NDF : 4936613.9/9
Right Out: 32289.410+/-6.722	χ^2/NDF : 1045594.3/26	- sign 32476.875+/-4.333	χ^2/NDF : 2445400.5/49
Left In: 32610.108+/-5.667	χ^2/NDF : 1398475.8/22		

diff_bpm12Y_mean vs Slug



Right In: -0.776 ± 1.240 χ^2/NDF : 19.2/22

Left Out: -0.255 ± 1.173 χ^2/NDF : 18.0/24

Right Out: -2.407 ± 1.158 χ^2/NDF : 29.0/26

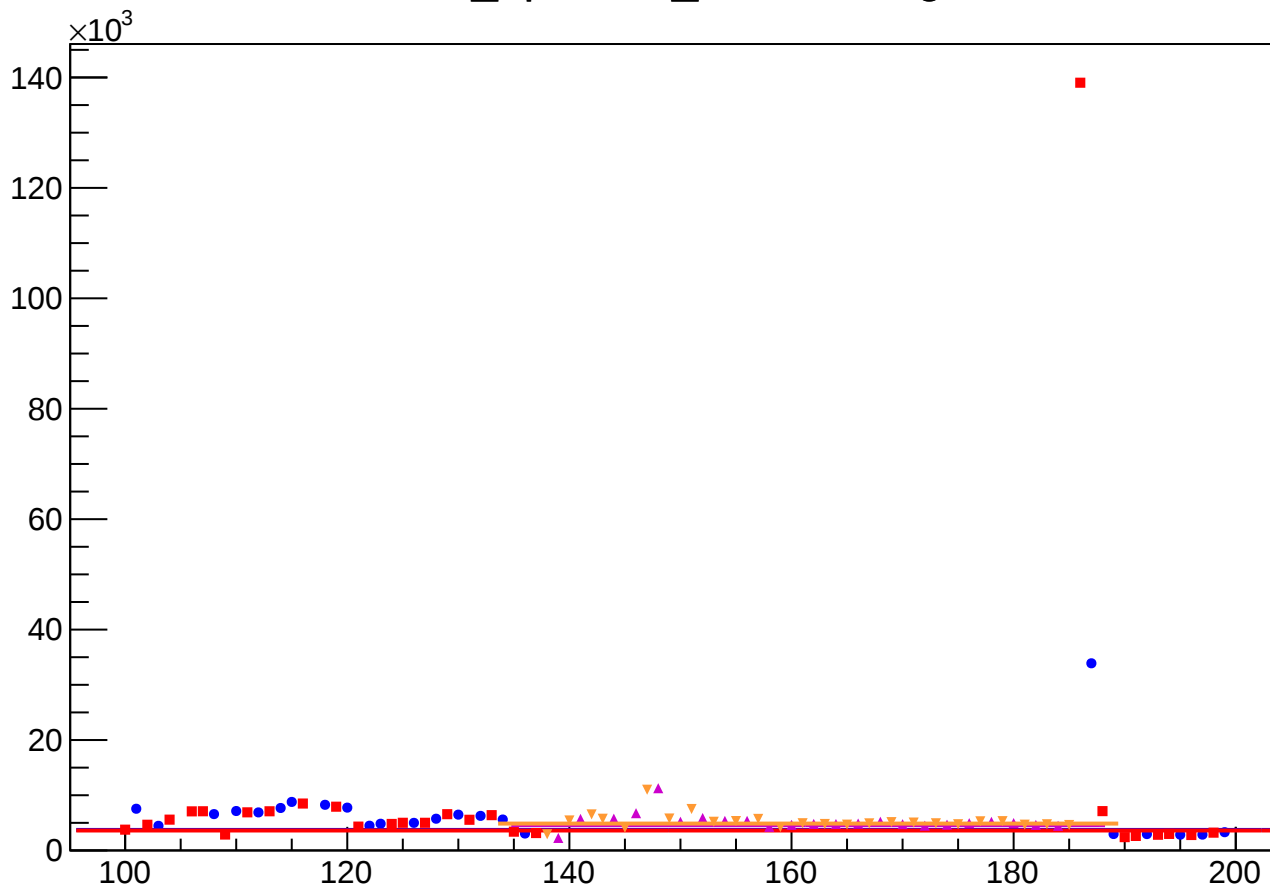
Left In: -0.925 ± 1.154 χ^2/NDF : 36.1/22

+ sign -0.501 ± 0.852 χ^2/NDF : 37.4/47

All: -1.107 ± 0.590 χ^2/NDF : 104.3/97

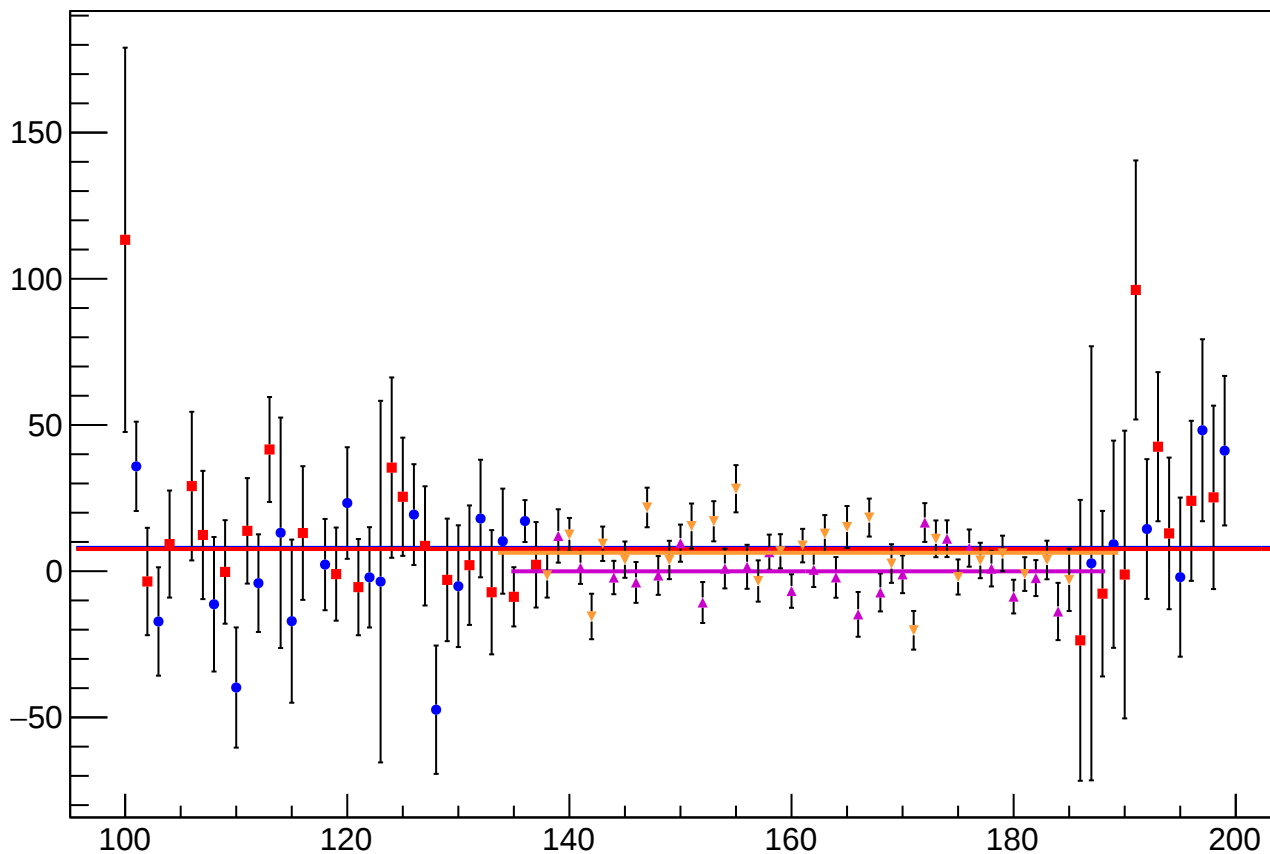
- sign -1.663 ± 0.817 χ^2/NDF : 65.9/49

diff_bpm12Y_rms vs Slug



Right In: 3715.776 ± 0.877 $\chi^2/\text{NDF}: 2774637.1/22$ + sign 4323.150 ± 0.603 $\chi^2/\text{NDF}: 5195222.3/47$
 Left Out: 4866.528 ± 0.829 $\chi^2/\text{NDF}: 1511486.2/24$ All: 4207.268 ± 0.417 $\chi^2/\text{NDF}: 11972848.0/9$
 Right Out: 3615.752 ± 0.819 $\chi^2/\text{NDF}: 3528683.3/26$ - sign 4100.677 ± 0.578 $\chi^2/\text{NDF}: 6706612.0/49$
 Left In: 4582.193 ± 0.816 $\chi^2/\text{NDF}: 2478681.0/22$

diff_bpm16X_mean vs Slug



Right In: 7.977 ± 3.865 $\chi^2/\text{NDF}: 26.5/22$

Left Out: 6.302 ± 1.313 $\chi^2/\text{NDF}: 56.7/24$

Right Out: 7.579 ± 3.954 $\chi^2/\text{NDF}: 21.1/26$

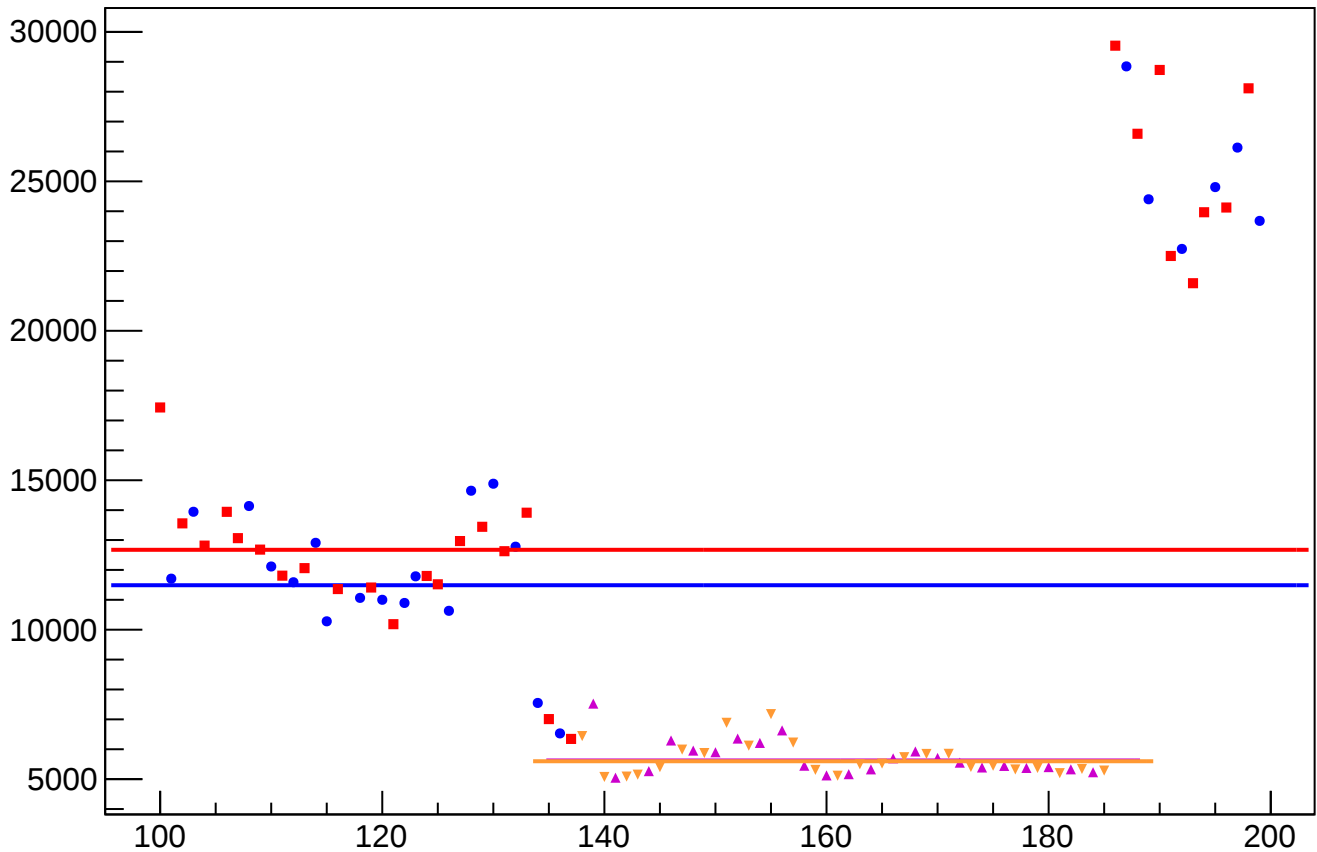
Left In: -0.044 ± 1.358 $\chi^2/\text{NDF}: 30.0/22$

+ sign 6.475 ± 1.243 $\chi^2/\text{NDF}: 83.3/47$

All: 3.711 ± 0.893 $\chi^2/\text{NDF}: 148.0/97$

- sign 0.760 ± 1.284 $\chi^2/\text{NDF}: 54.5/49$

diff_bpm16X_rms vs Slug



Right In: 11487.737 $\pm$ 2.733 χ^2 /NDF: 3433527.1/22

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

+ sign 6207.750 $\pm$ 0.879 χ^2 /NDF: 7879961.7/47

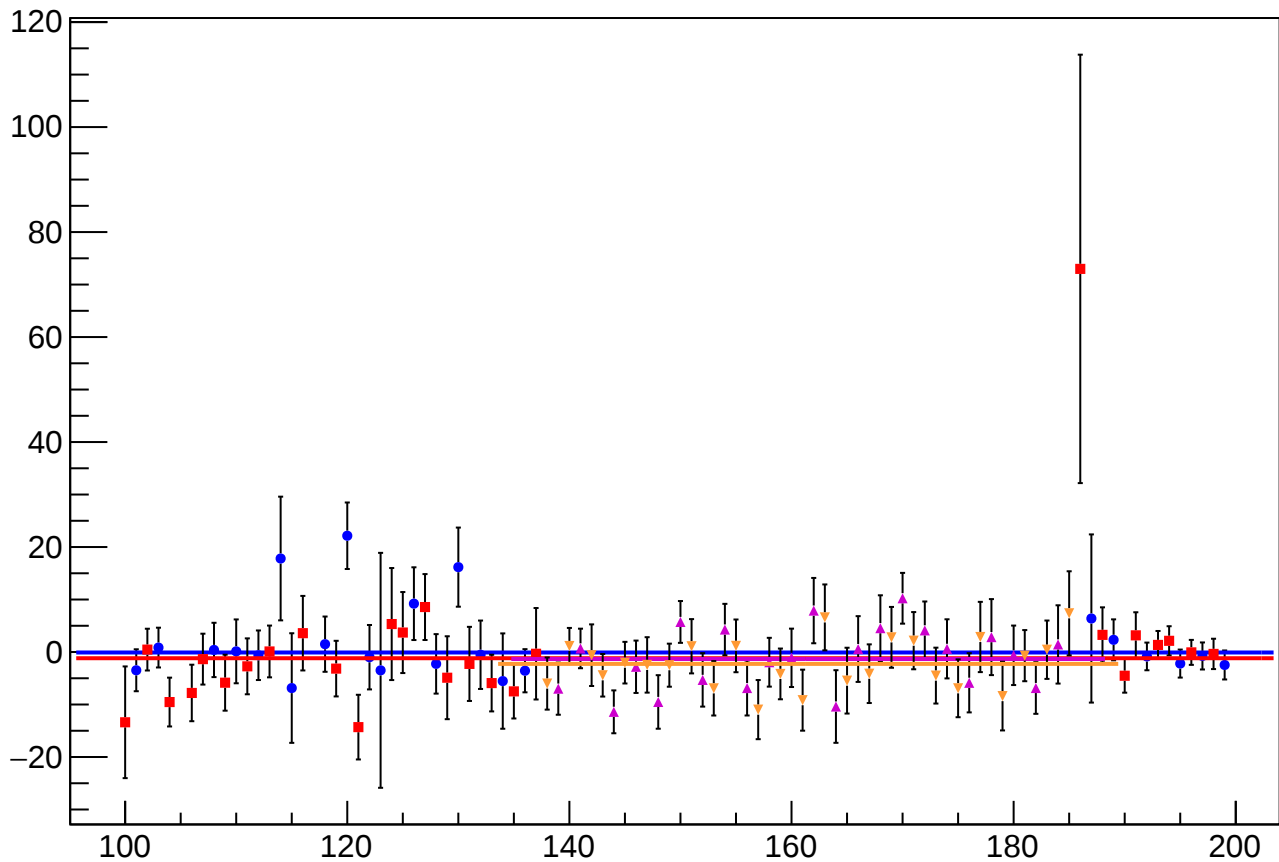
Right Out: 12672.900 $\pm$ 2.796 χ^2 /NDF: 3612428.1/26

All: 6285.445 $\pm$ 0.631 χ^2 /NDF: 17464069.2/9

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

- sign 6368.391 $\pm$ 0.908 χ^2 /NDF: 9567946.9/49

diff_bpm16Y_mean vs Slug



Right In: -0.090 ± 0.933 χ^2/NDF : 25.7/22

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

Right Out: -1.183 ± 0.873 χ^2/NDF : 26.7/26

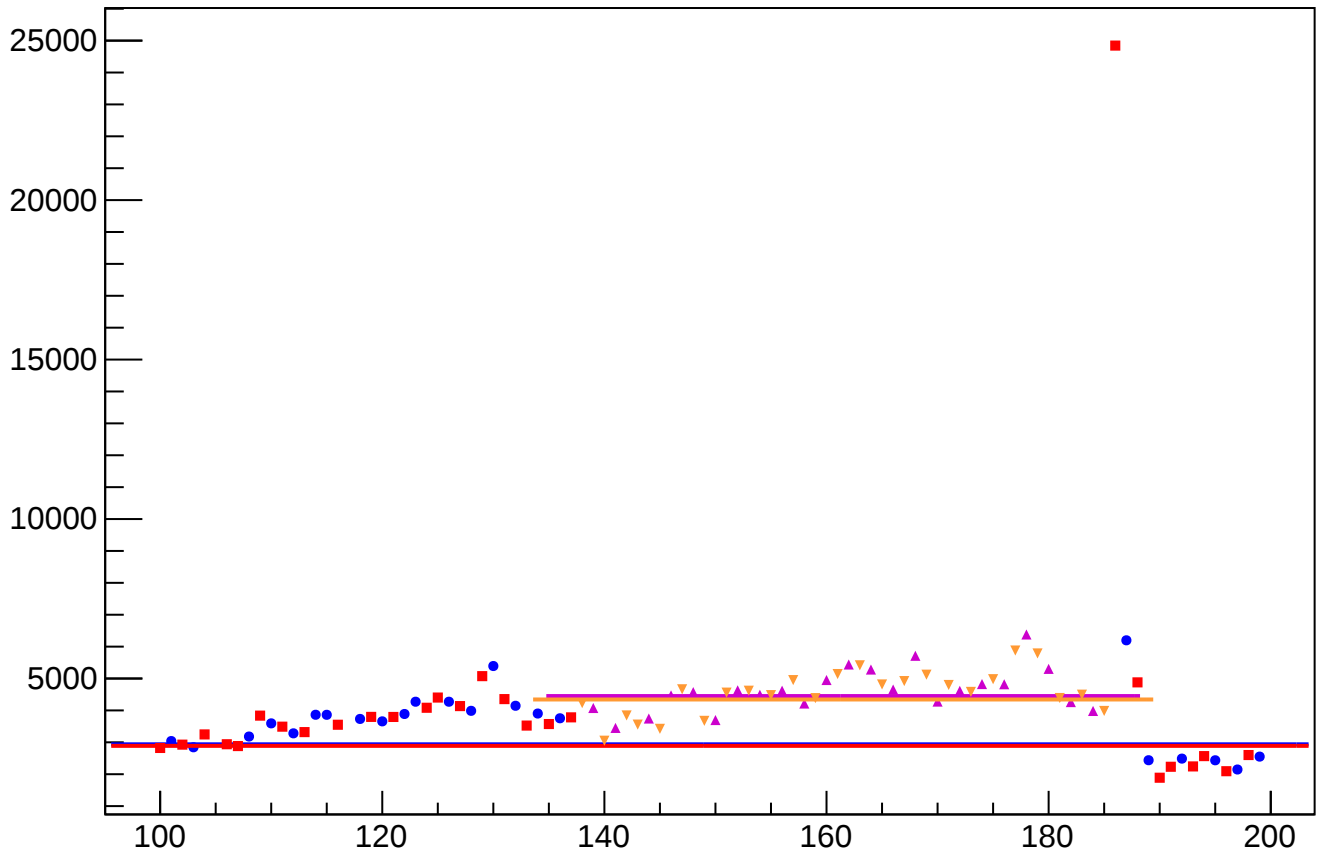
Left In: -1.328 ± 1.082 χ^2/NDF : 30.6/22

+ sign -1.069 ± 0.692 χ^2/NDF : 43.7/47

All: -1.156 ± 0.485 χ^2/NDF : 101.0/97

- sign -1.240 ± 0.679 χ^2/NDF : 57.3/49

diff_bpm16Y_rms vs Slug



Right In: 2936.950+/-0.660 χ^2/NDF : 1191943.0/22

Left Out: 4342.635+/-0.728 χ^2/NDF : 993035.5/24

Right Out: 2889.088+/-0.617 χ^2/NDF : 2231376.2/26

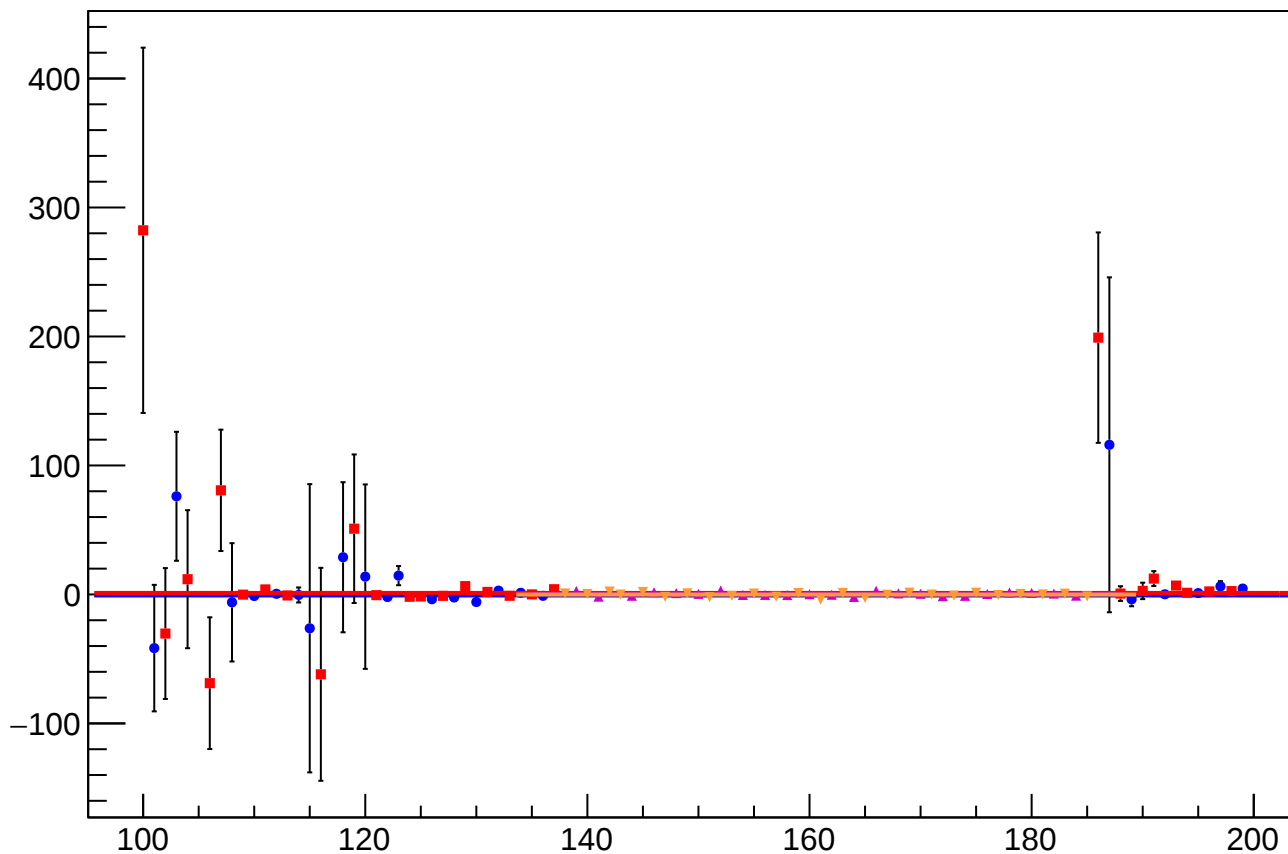
Left In: 4450.007+/-0.765 χ^2/NDF : 693229.8/22

+ sign 3570.733+/-0.489 χ^2/NDF : 4229936.2/47

All: 3536.855+/-0.343 χ^2/NDF : 9686030.6/97

- sign 3504.189+/-0.480 χ^2/NDF : 5446671.0/49

diff_bpm1p02bX_mean vs Slug



Right In: -0.792 ± 0.682 χ^2/NDF : 24.6/22

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

Right Out: 1.178 ± 0.650 χ^2/NDF : 34.3/26

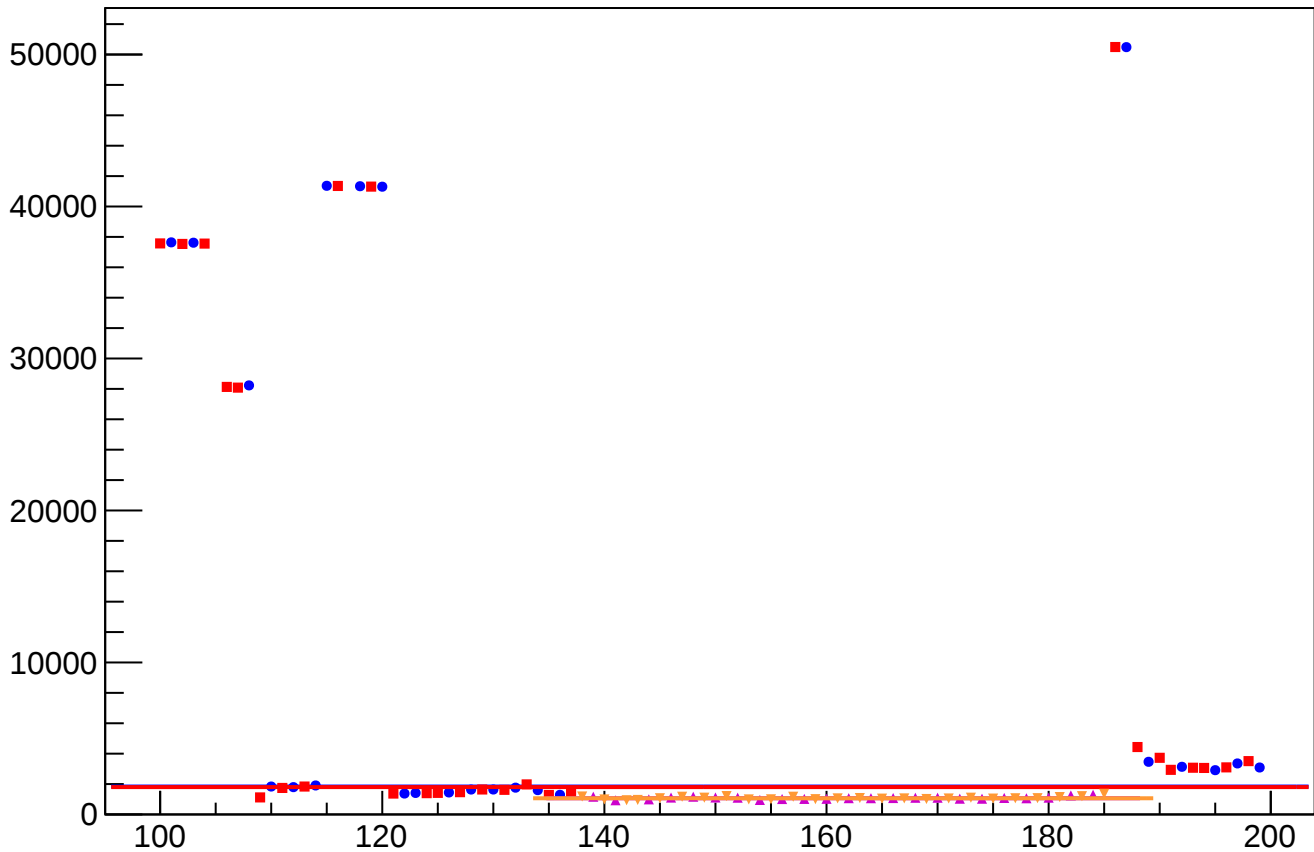
Left In: 0.259 ± 0.257 χ^2/NDF : 27.2/22

+ sign -0.174 ± 0.234 χ^2/NDF : 59.9/47

All: 0.099 ± 0.167 χ^2/NDF : 126.0/97

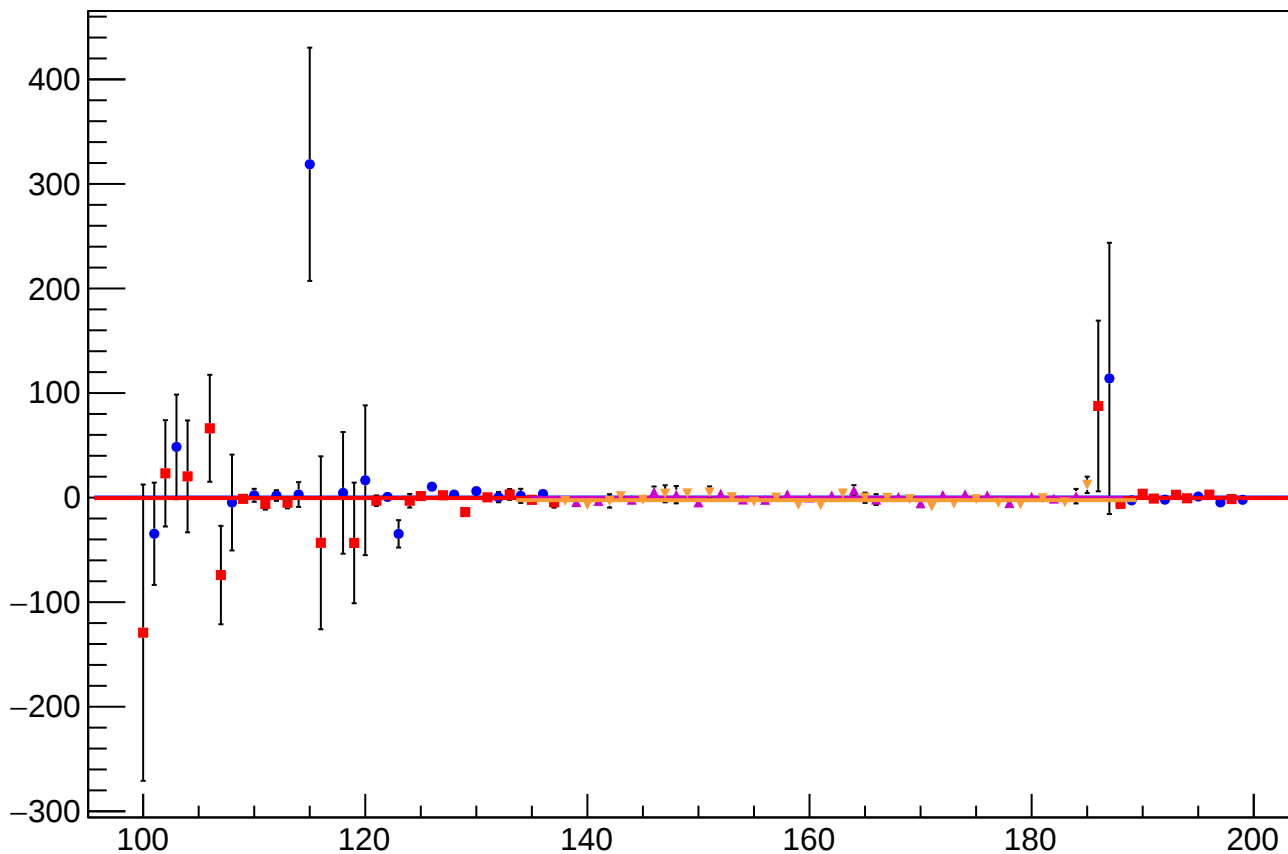
- sign 0.383 ± 0.239 χ^2/NDF : 63.3/49

diff_bpm1p02bX_rms vs Slug



Right In: 1835.799 ± 0.482 $\chi^2/\text{NDF}: 6587042.6/22$ + sign 1155.395 ± 0.165 $\chi^2/\text{NDF}: 9028648.2/47$
 Left Out: 1064.701 ± 0.176 $\chi^2/\text{NDF}: 186511.5/24$ All: 1160.296 ± 0.118 $\chi^2/\text{NDF}: 19245229.3/50$
 Right Out: 1800.267 ± 0.460 $\chi^2/\text{NDF}: 7846080.7/26$ - sign 1165.411 ± 0.169 $\chi^2/\text{NDF}: 10214787.0/49$
 Left In: 1066.255 ± 0.182 $\chi^2/\text{NDF}: 164232.1/22$

diff_bpm1p02bY_mean vs Slug



Right In: 0.069 ± 0.820 χ^2/NDF : 35.3/22

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

Right Out: -0.458 ± 0.783 χ^2/NDF : 27.7/26

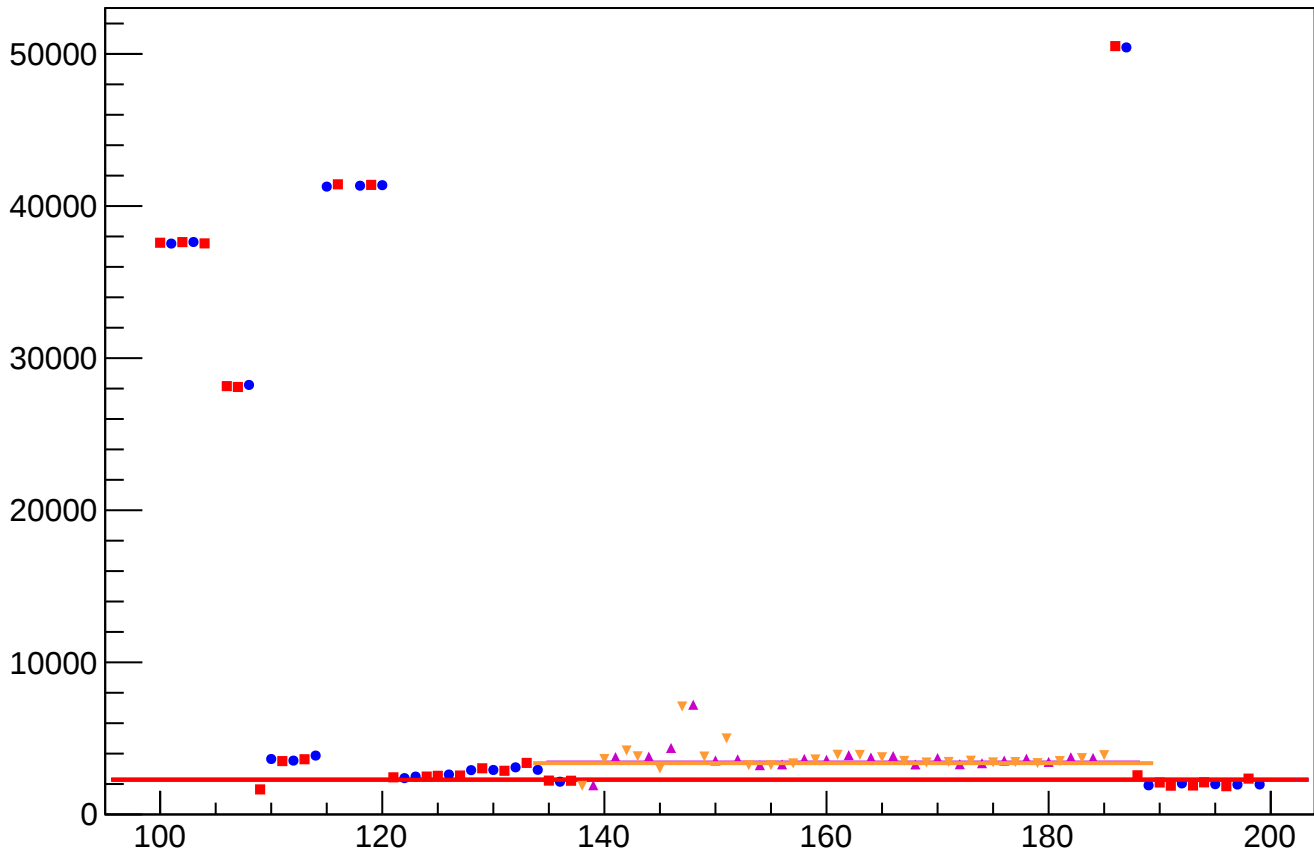
Left In: -0.468 ± 0.843 χ^2/NDF : 15.5/22

+ sign -1.191 ± 0.577 χ^2/NDF : 61.2/47

All: -0.825 ± 0.407 χ^2/NDF : 105.2/97

- sign -0.463 ± 0.574 χ^2/NDF : 43.2/49

diff_bpm1p02bY_rms vs Slug



Right In: 2292.561 ± 0.580 $\chi^2/\text{NDF}: 5305332.5/22$

Left Out: 3372.958 ± 0.573 $\chi^2/\text{NDF}: 1656864.7/24$

Right Out: 2280.434 ± 0.553 $\chi^2/\text{NDF}: 5863567.0/26$

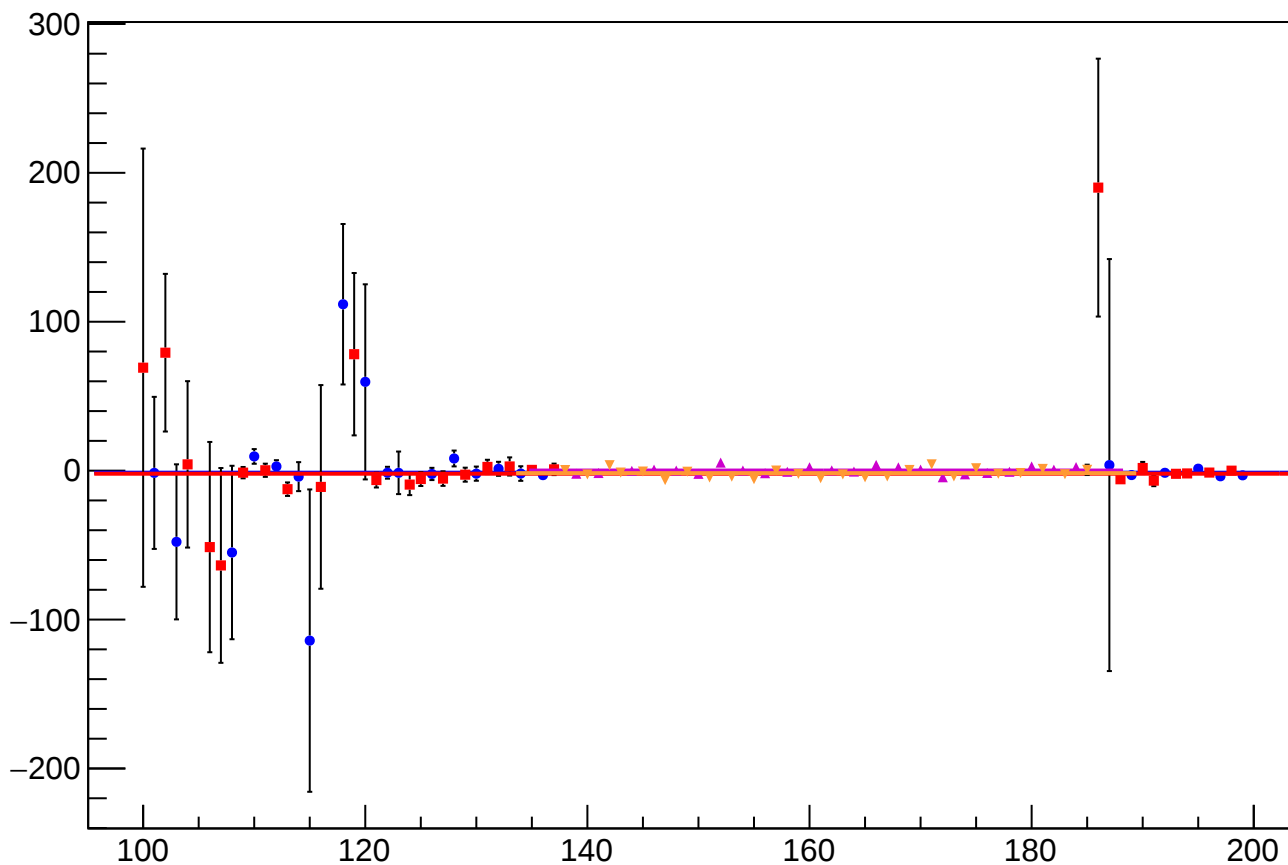
Left In: 3411.924 ± 0.596 $\chi^2/\text{NDF}: 1434523.7/22$

+ sign 2839.252 ± 0.408 $\chi^2/\text{NDF}: 8717544.5/47$

All: 2821.725 ± 0.288 $\chi^2/\text{NDF}: 17954639.2/9$

- sign 2804.380 ± 0.406 $\chi^2/\text{NDF}: 9233417.5/49$

diff_bpm1p03aX_mean vs Slug



Right In: -1.361 ± 0.802 χ^2/NDF : 21.4/22

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

Right Out: -2.056 ± 0.783 χ^2/NDF : 26.9/26

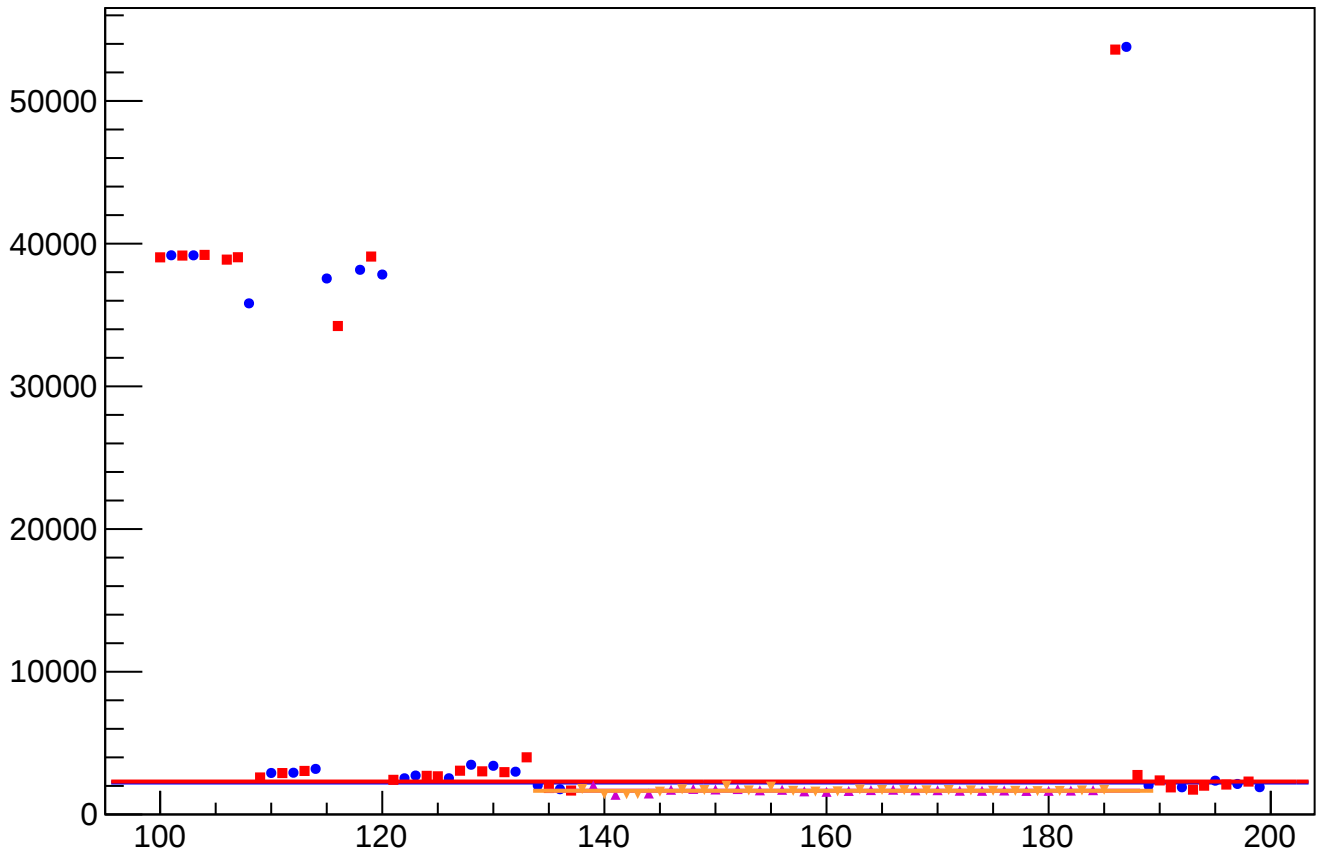
Left In: 0.072 ± 0.401 χ^2/NDF : 28.2/22

+ sign -1.613 ± 0.349 χ^2/NDF : 67.2/47

All: -1.005 ± 0.250 χ^2/NDF : 134.4/97

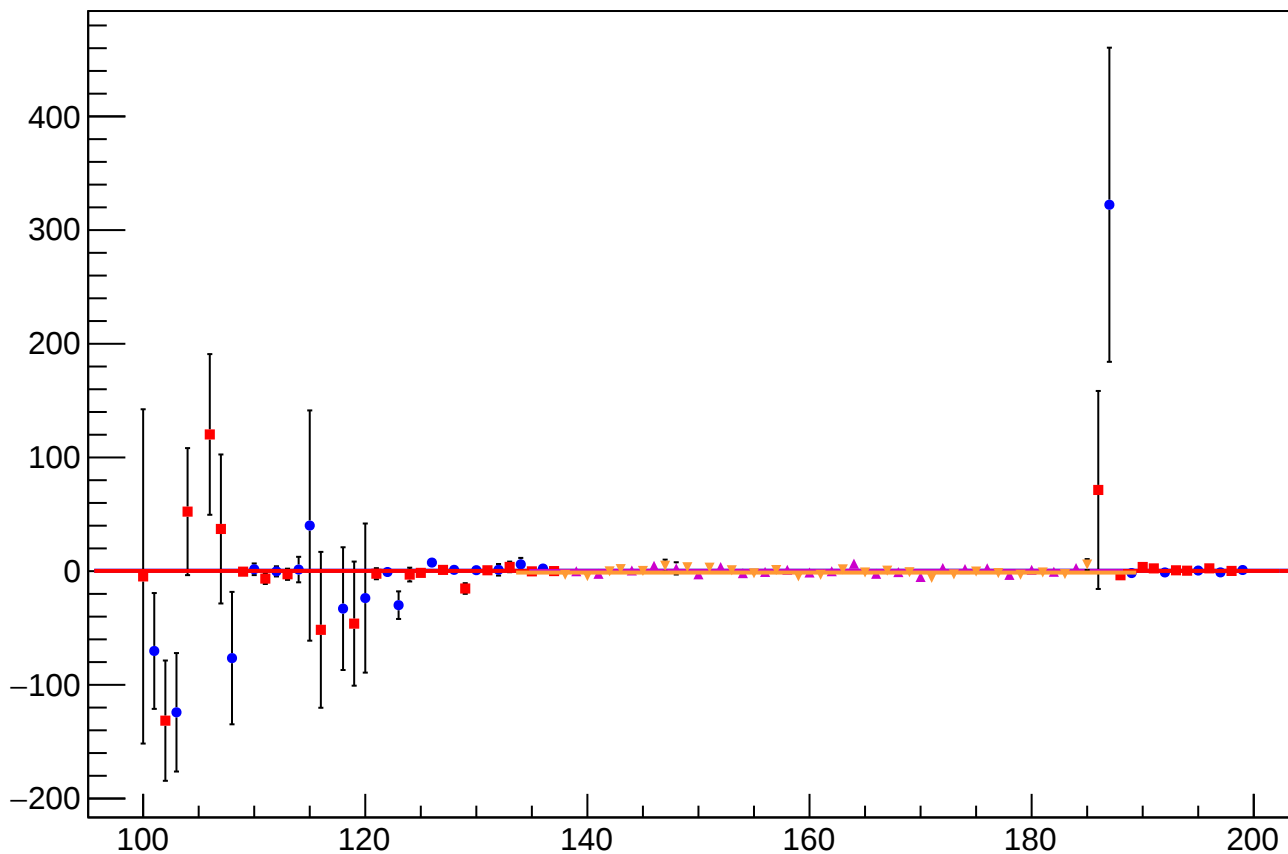
- sign -0.370 ± 0.357 χ^2/NDF : 61.0/49

diff_bpm1p03aX_rms vs Slug



Right In: 2236.734+/-0.567	χ^2/NDF : 5378457.3/22	+ sign 1767.526+/-0.247	χ^2/NDF : 6445795.3/47
Left Out: 1657.770+/-0.274	χ^2/NDF : 223465.3/24	All: 1782.103+/-0.177	χ^2/NDF : 13667457.9/9
Right Out: 2307.080+/-0.554	χ^2/NDF : 5965911.1/26	- sign 1797.322+/-0.252	χ^2/NDF : 7214544.9/49
Left In: 1663.620+/-0.284	χ^2/NDF : 178858.2/22		

diff_bpm1p03aY_mean vs Slug



Right In: 0.394 ± 0.684 χ^2/NDF : 29.5/22

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

Right Out: 0.201 ± 0.643 χ^2/NDF : 32.8/26

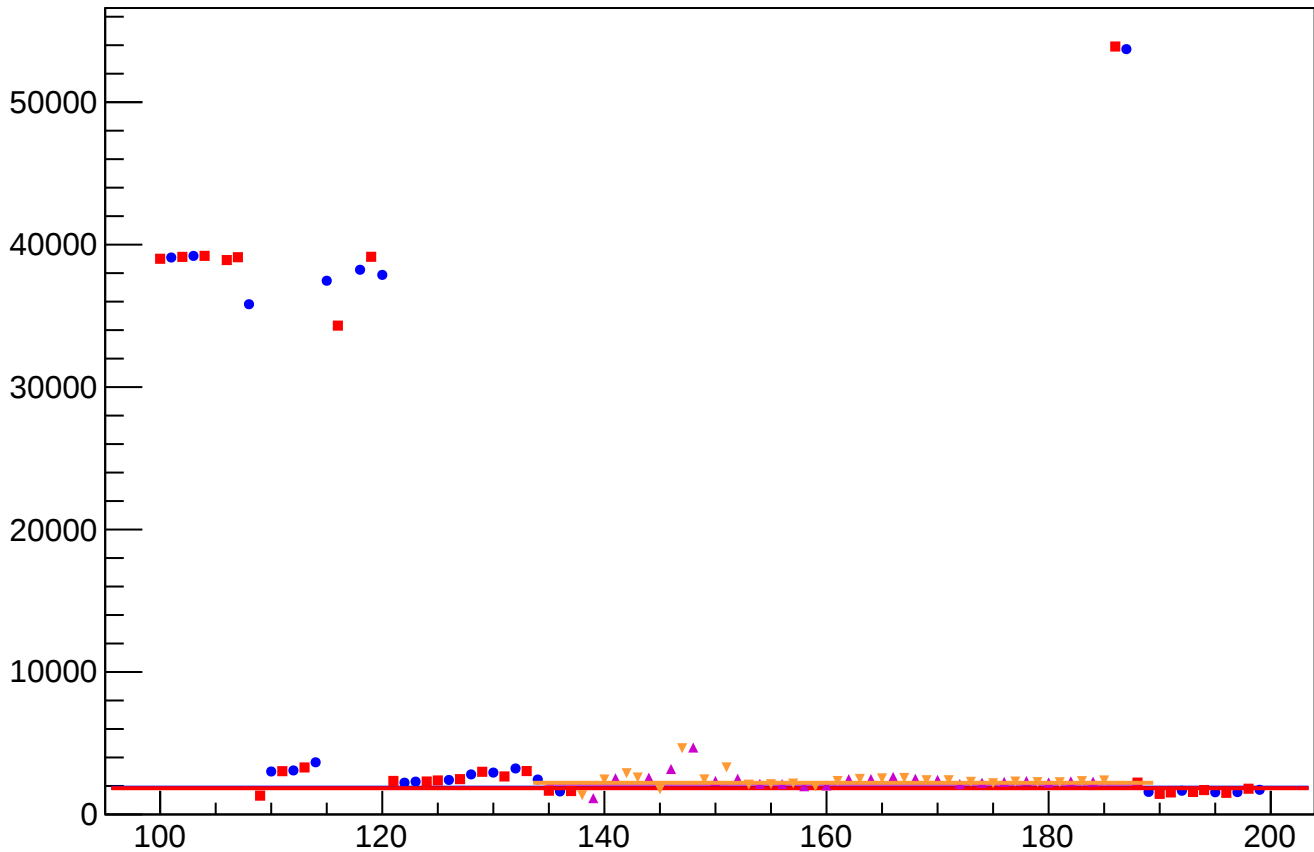
Left In: 0.098 ± 0.541 χ^2/NDF : 19.3/22

+ sign -0.627 ± 0.421 χ^2/NDF : 54.8/47

All: -0.236 ± 0.295 χ^2/NDF : 108.6/97

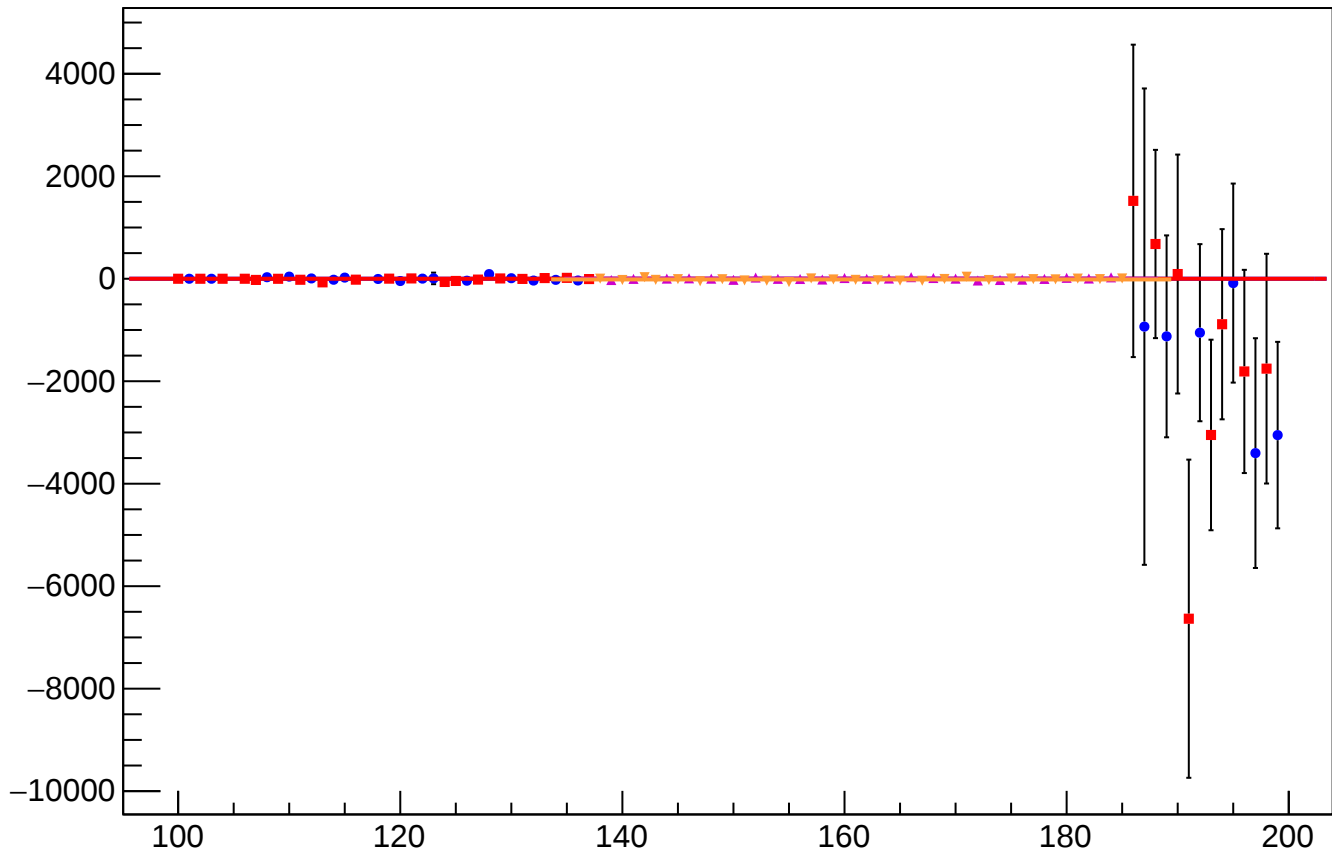
- sign 0.141 ± 0.414 χ^2/NDF : 52.1/49

diff_bpm1p03aY_rms vs Slug



Right In: 1880.885 ± 0.484 $\chi^2/\text{NDF}: 5804414.5/22$ + sign 2092.605 ± 0.298 $\chi^2/\text{NDF}: 7535492.6/47$
 Left Out: 2222.081 ± 0.378 $\chi^2/\text{NDF}: 1422440.9/24$ All: 2062.591 ± 0.209 $\chi^2/\text{NDF}: 16254169.8/9$
 Right Out: 1842.228 ± 0.454 $\chi^2/\text{NDF}: 6420471.4/26$ - sign 2033.639 ± 0.293 $\chi^2/\text{NDF}: 8698750.7/49$
 Left In: 2169.443 ± 0.383 $\chi^2/\text{NDF}: 1974869.8/22$

diff_cav4bX_mean vs Slug



Right In: 0.013+/-0.017 χ^2/NDF : 22.5/22

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

Right Out: 0.003+/-0.016 χ^2/NDF : 24.8/26

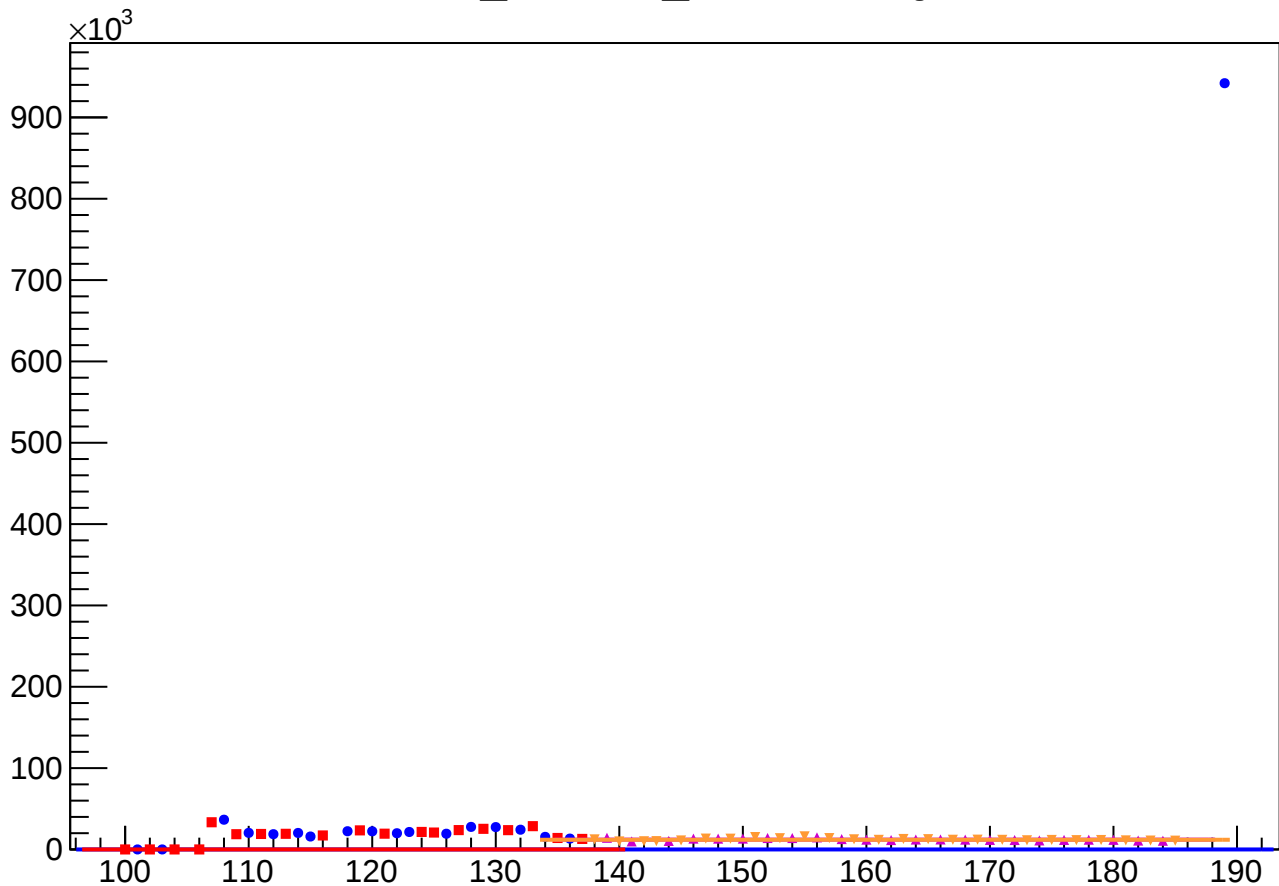
Left In: -0.459+/-2.917 χ^2/NDF : 29.0/22

+ sign 0.013+/-0.017 χ^2/NDF : 104.4/47

All: 0.008+/-0.012 χ^2/NDF : 158.3/97

- sign 0.003+/-0.016 χ^2/NDF : 53.8/49

diff_cav4bX_rms vs Slug



Right In: 18.641 $\pm$ 0.012 χ^2 /NDF: 11125273.3/17

Left Out: 11910.325 $\pm$ 1.980 χ^2 /NDF: 476504.3/24

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

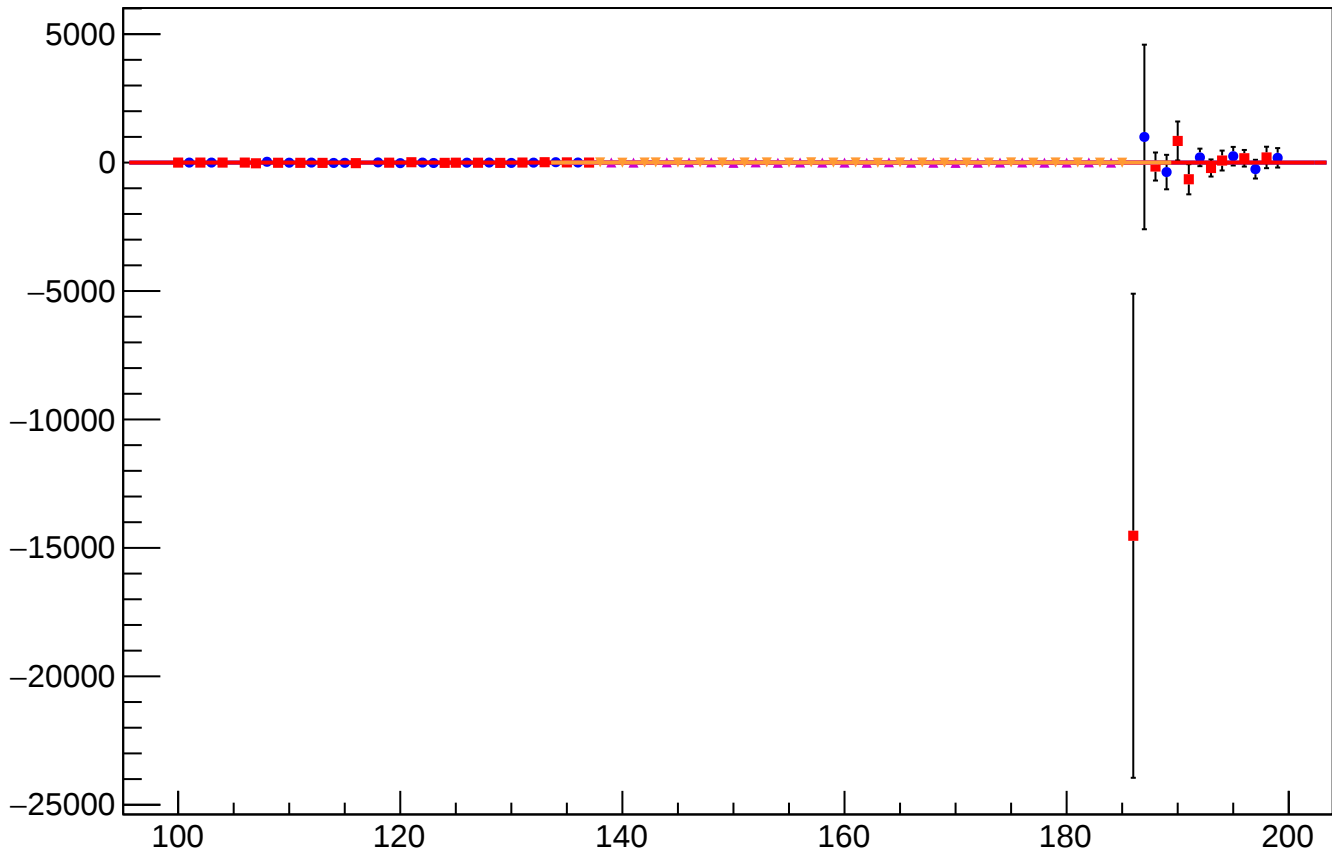
Left In: 12064.761 $\pm$ 2.062 χ^2 /NDF: 368452.5/22

+ sign 19.097 $\pm$ 0.012 χ^2 /NDF: 47664922.8/42

All: 18.871 $\pm$ 0.008 χ^2 /NDF: 93213311.5/84

- sign 18.677 $\pm$ 0.011 χ^2 /NDF: 45547757.3/41

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 14.8/22

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

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 24.6/26

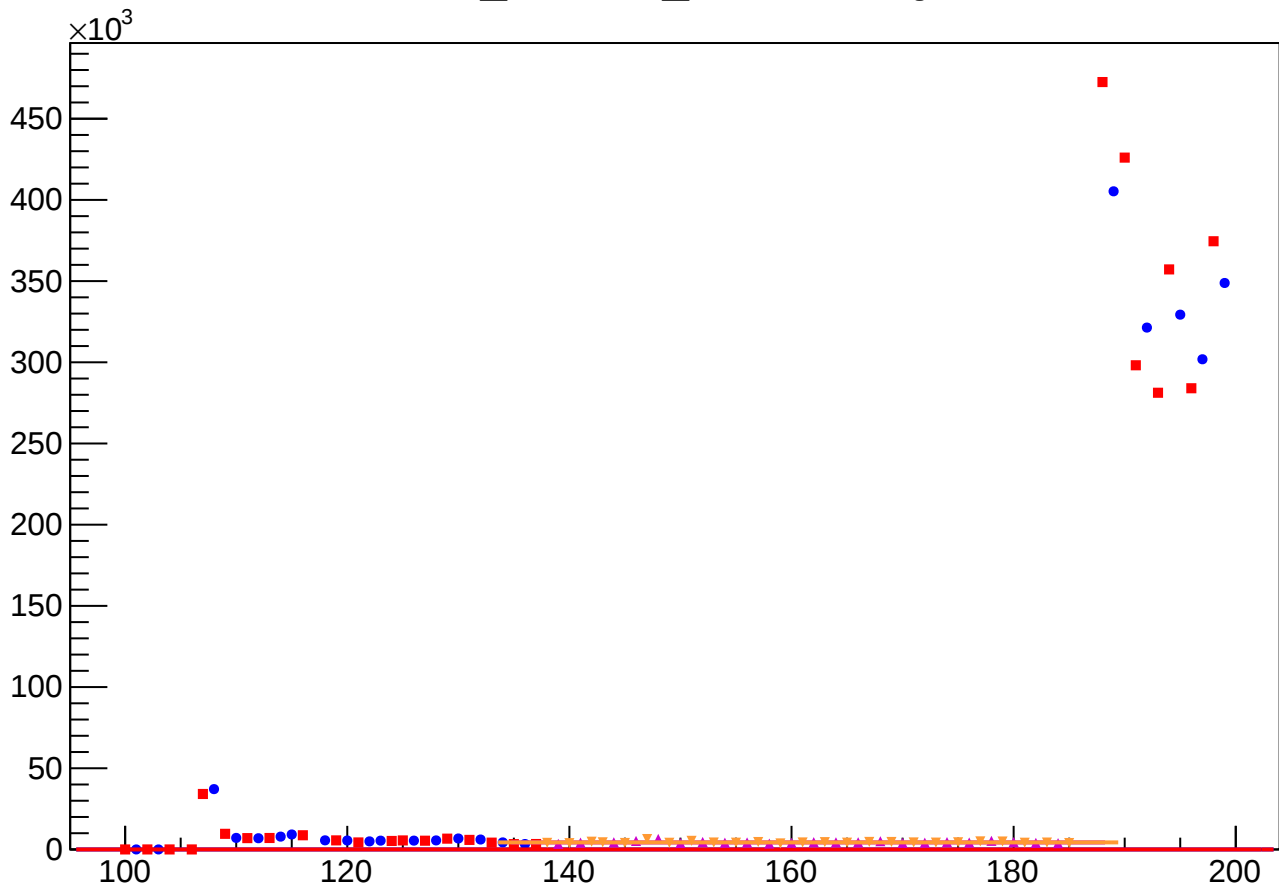
Left In: 0.939 $\pm$ 1.049 χ^2 /NDF:35.6/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 35.8/47

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 97.9/97

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 61.0/49

diff_cav4bY_rms vs Slug



Right In: 9.940 ± 0.007 χ^2/NDF : 18284999.4/21

Left Out: 4349.005 ± 0.723 χ^2/NDF : 383895.7/24

Right Out: 9.855 ± 0.006 χ^2/NDF : 20015935.2/25

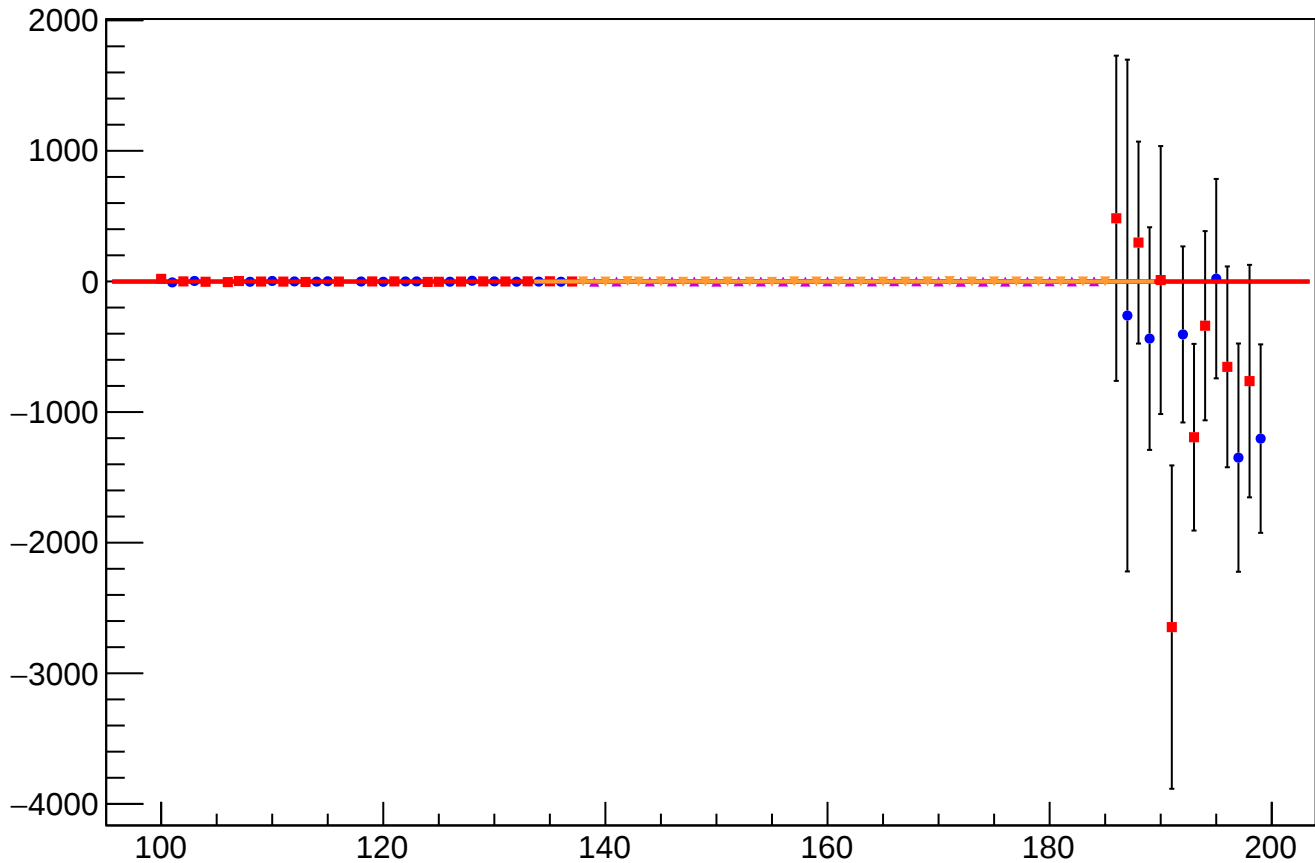
Left In: 4321.572 ± 0.741 χ^2/NDF : 514603.2/22

+ sign 10.291 ± 0.007 χ^2/NDF : 54712413.6/46

All: 10.215 ± 0.004 χ^2/NDF : 109061968.9/95

- sign 10.148 ± 0.006 χ^2/NDF : 54349299.6/48

diff_cav4cX_mean vs Slug



Right In: -0.715 ± 0.483 χ^2/NDF : 28.5/22

Left Out: -0.775 ± 0.165 χ^2/NDF : 58.5/24

Right Out: -0.639 ± 0.501 χ^2/NDF : 22.4/26

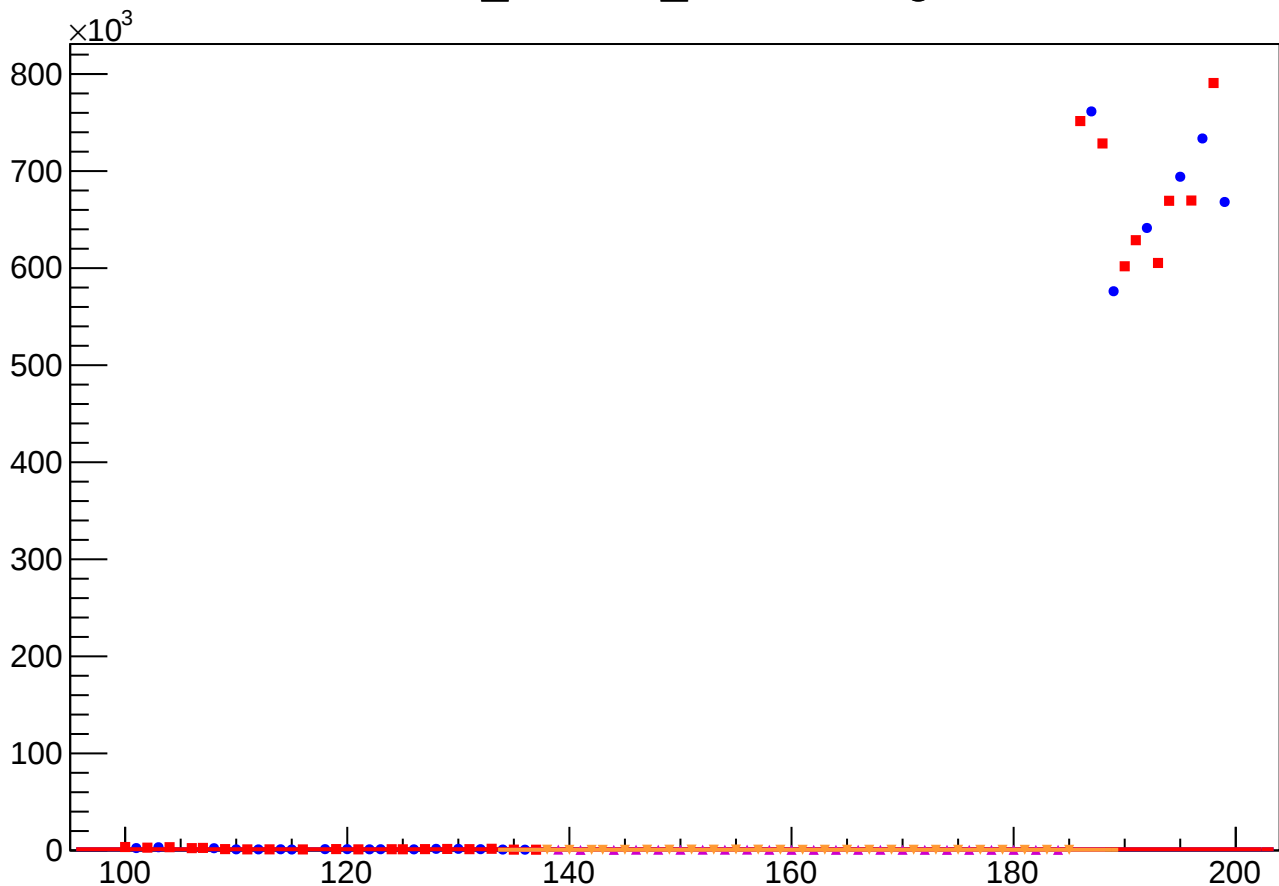
Left In: -0.018 ± 0.171 χ^2/NDF : 29.4/22

+ sign -0.769 ± 0.156 χ^2/NDF : 87.0/47

All: -0.438 ± 0.112 χ^2/NDF : 149.6/97

- sign -0.083 ± 0.162 χ^2/NDF : 53.2/49

diff_cav4cX_rms vs Slug



Right In: 1168.480 $\pm$ 0.342 χ^2 /NDF: 9351280.9/22

Left Out: 700.984 $\pm$ 0.116 χ^2 /NDF:392855.4/24

Right Out: 1249.726 $\pm$ 0.355 χ^2 /NDF: 11470281.9/26

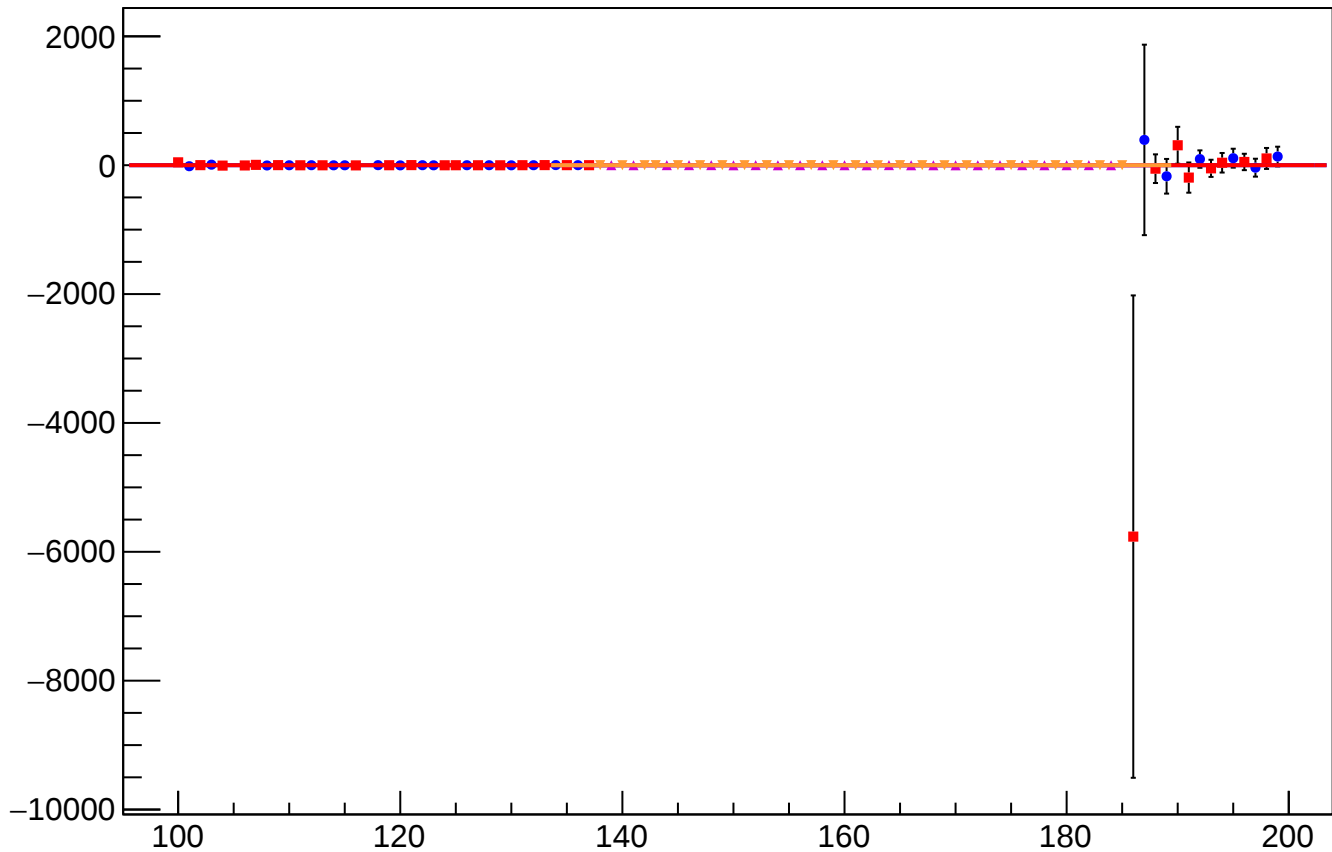
Left In: 706.971 $\pm$ 0.121 χ^2 /NDF:332011.4/22

+ sign 749.593 $\pm$ 0.110 χ^2 /NDF: 11422131.7/47

All: 756.229 $\pm$ 0.079 χ^2 /NDF: 25331289.5/97

- sign 763.375 $\pm$ 0.114 χ^2 /NDF: 13901620.4/49

diff_cav4cY_mean vs Slug



Right In: -0.059 ± 0.269 χ^2/NDF : 21.5/22

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

Right Out: 0.280 ± 0.264 χ^2/NDF : 25.6/26

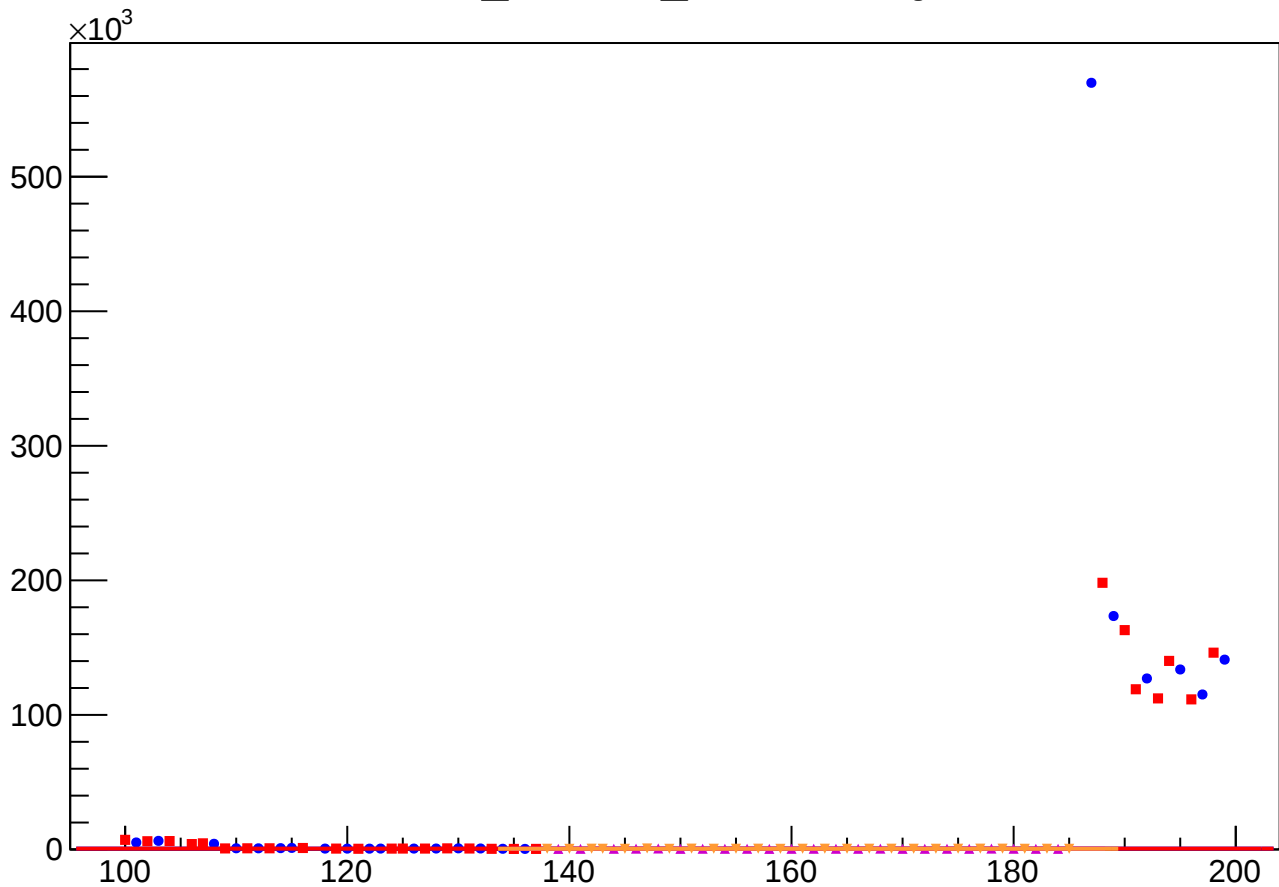
Left In: 0.126 ± 0.126 χ^2/NDF : 35.0/22

+ sign 0.183 ± 0.112 χ^2/NDF : 40.5/47

All: 0.169 ± 0.080 χ^2/NDF : 101.3/97

- sign 0.154 ± 0.114 χ^2/NDF : 60.8/49

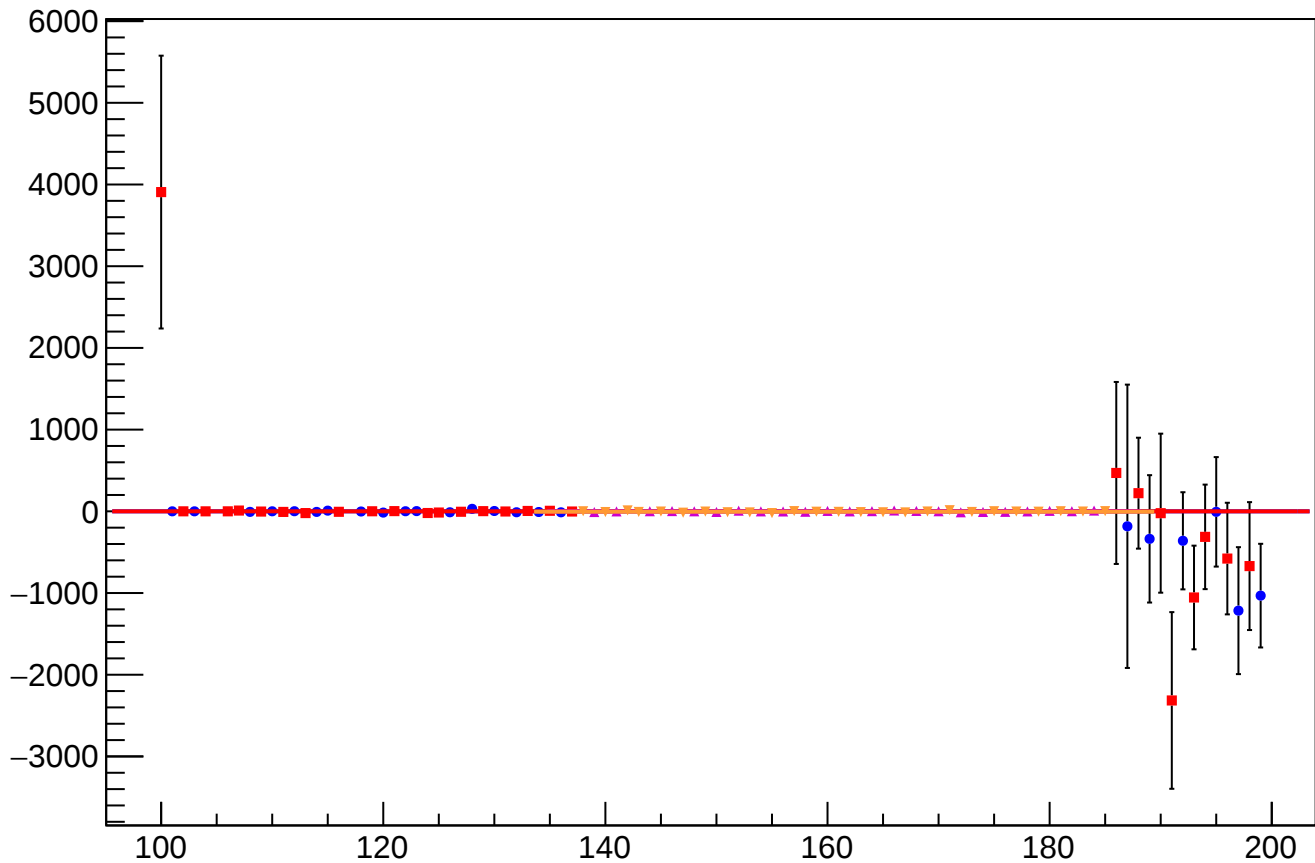
diff_cav4cY_rms vs Slug



Right In: 611.390 $\pm$ 0.190 χ^2 /NDF: 10705486.1/22
 Left Out: 522.220 $\pm$ 0.087 χ^2 /NDF: 330405.3/24
 Right Out: 601.117 $\pm$ 0.187 χ^2 /NDF: 12507595.4/25
 Left In: 520.700 $\pm$ 0.089 χ^2 /NDF: 427720.5/22

+ sign 537.558 $\pm$ 0.079 χ^2 /NDF: 11217863.0/47
 All: 536.603 $\pm$ 0.056 χ^2 /NDF: 24304171.2/96
 - sign 535.609 $\pm$ 0.081 χ^2 /NDF: 13086009.3/48

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 21.6/22

Left Out: -4.480 ± 0.957 χ^2/NDF : 58.4/24

Right Out: -0.027 ± 0.020 χ^2/NDF : 26.8/26

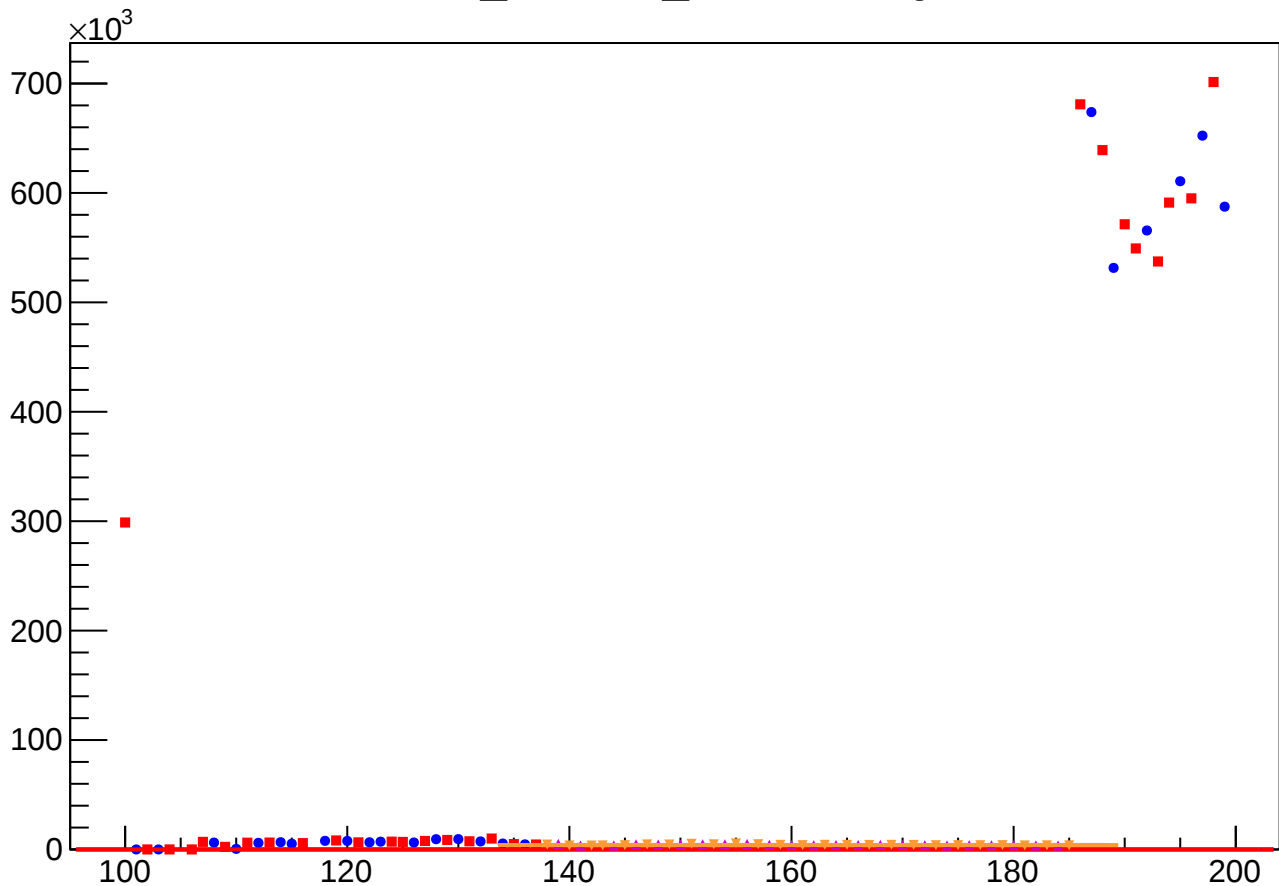
Left In: -0.183 ± 0.994 χ^2/NDF : 29.5/22

+ sign -0.024 ± 0.021 χ^2/NDF : 101.7/47

All: -0.025 ± 0.014 χ^2/NDF : 158.0/97

- sign -0.027 ± 0.020 χ^2/NDF : 56.3/49

diff_cav4dX_rms vs Slug



Right In: 17.342 $\pm$ 0.015 χ^2 /NDF: 18286490.8/22

Left Out: 4075.147 $\pm$ 0.677 χ^2 /NDF: 417511.0/24

Right Out: 17.271 $\pm$ 0.014 χ^2 /NDF: 20737054.4/26

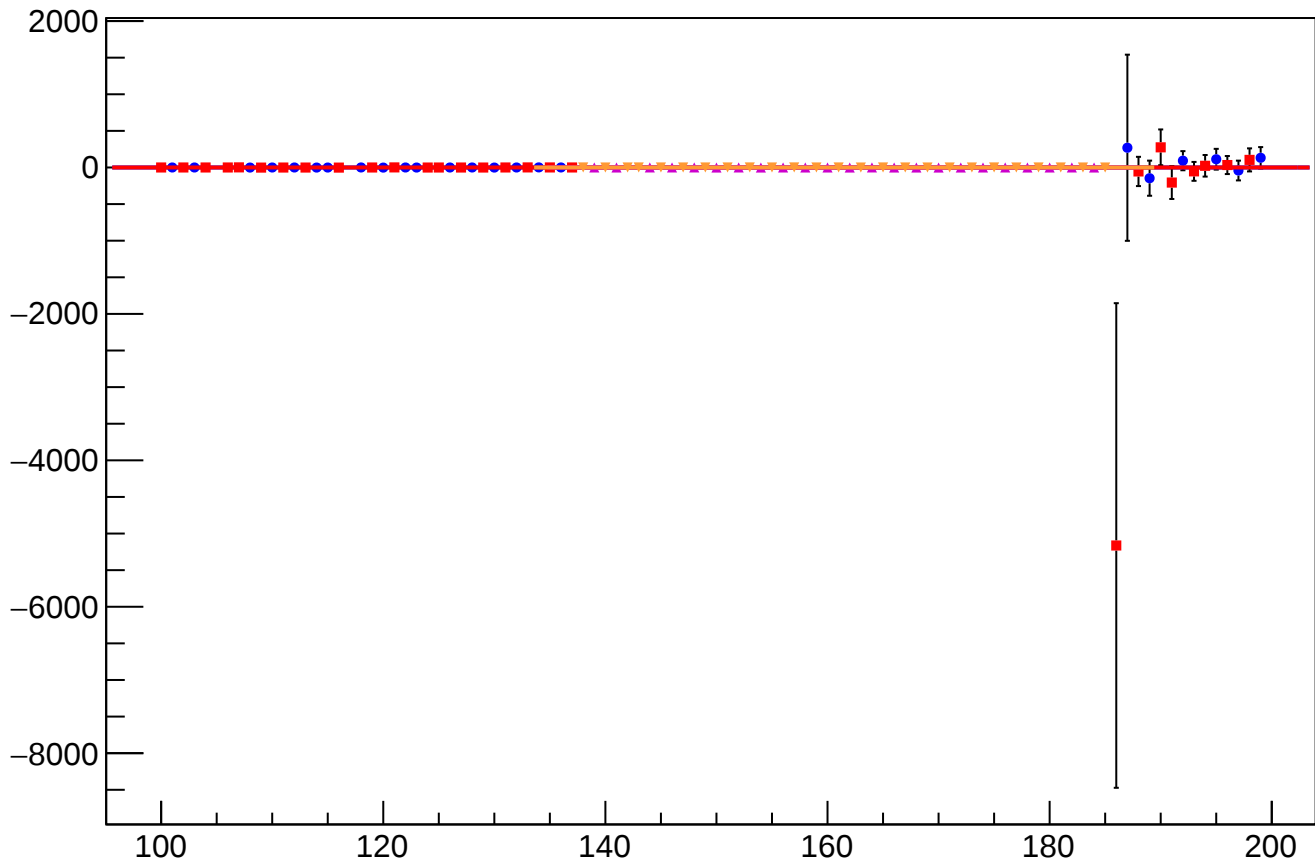
Left In: 4113.993 $\pm$ 0.703 χ^2 /NDF: 349160.6/22

+ sign 19.257 $\pm$ 0.015 χ^2 /NDF: 54636609.0/47

All: 19.065 $\pm$ 0.010 χ^2 /NDF: 109679078.3/97

- sign 18.892 $\pm$ 0.014 χ^2 /NDF: 55042145.5/49

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 16.1/22

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

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 23.5/26

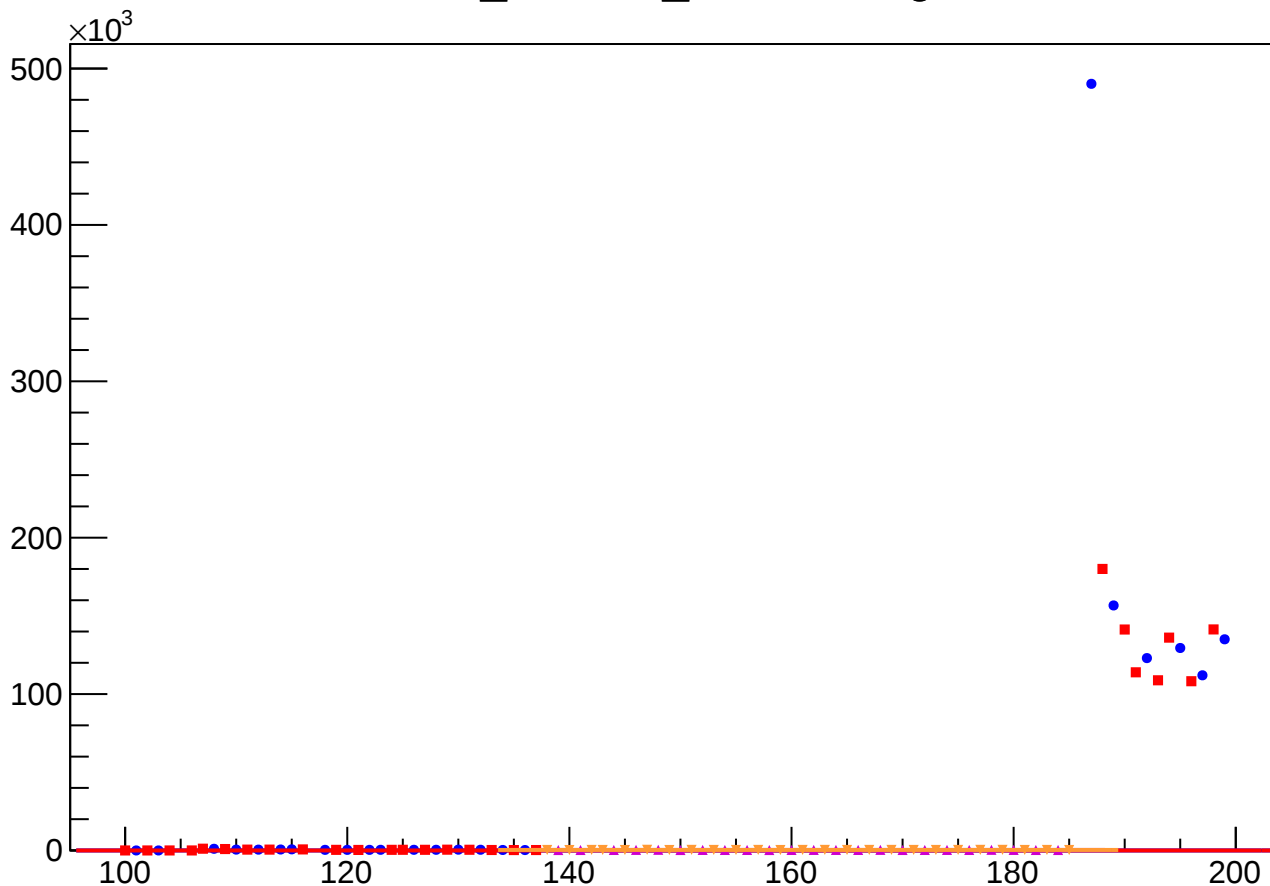
Left In: 0.080 $\pm$ 0.079 χ^2 /NDF:34.6/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 37.1/47

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 96.3/97

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 59.1/49

diff_cav4dY_rms vs Slug



Right In: 1.699 $\pm$ 0.001 χ^2 /NDF: 18673569.1/22

Left Out: 325.326 $\pm$ 0.054 χ^2 /NDF: 347705.2/24

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 19789767.5/25

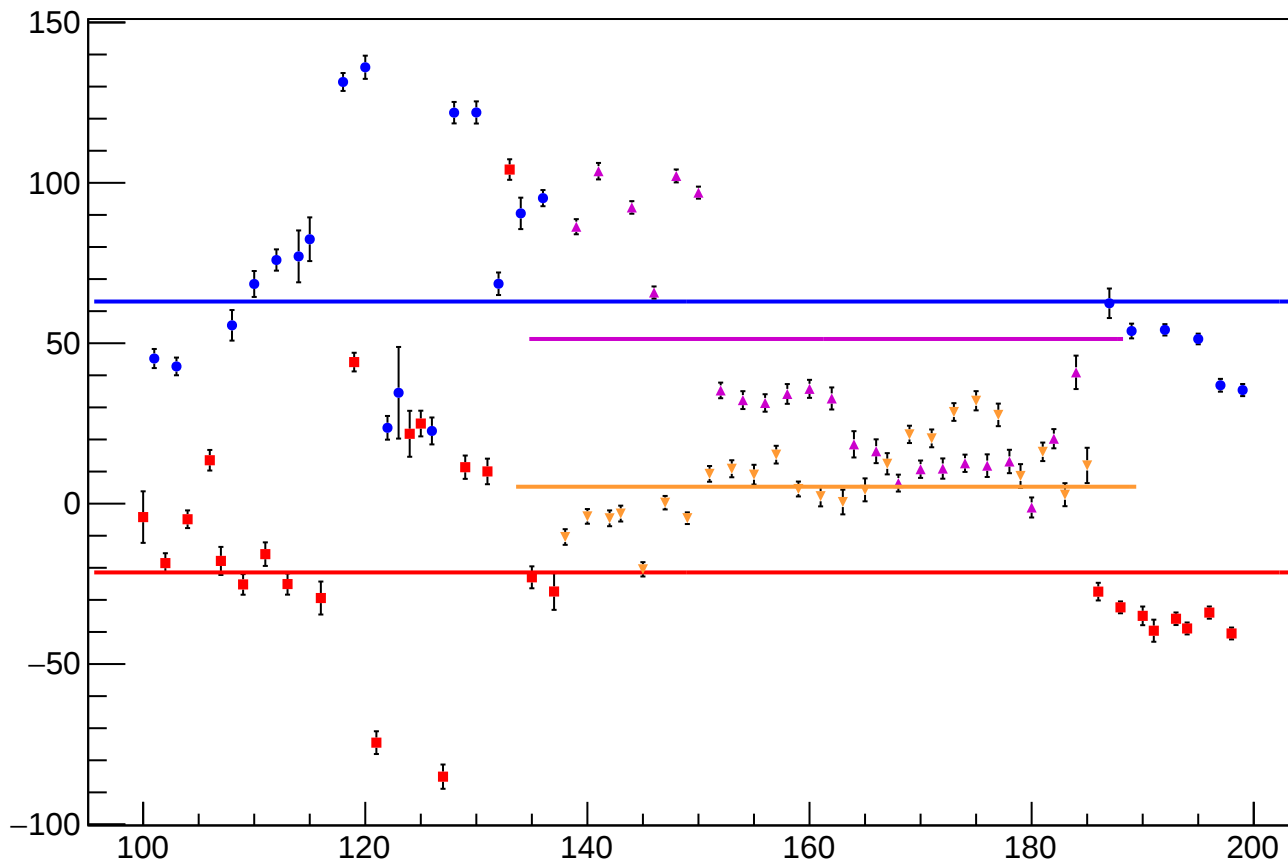
Left In: 325.626 $\pm$ 0.056 χ^2 /NDF: 413350.0/22

+ sign 1.926 $\pm$ 0.001 χ^2 /NDF: 54885451.3/47

All: 1.925 $\pm$ 0.001 χ^2 /NDF: 108813125.3/96

- sign 1.924 $\pm$ 0.001 χ^2 /NDF: 53927672.7/48

diff_bpm0i01X_mean vs Slug



Right In: 63.002 ± 0.606 χ^2/NDF : 2613.6/22

Left Out: 5.276 ± 0.544 χ^2/NDF : 556.2/24

Right Out: -21.442 ± 0.563 χ^2/NDF : 3419.9/26

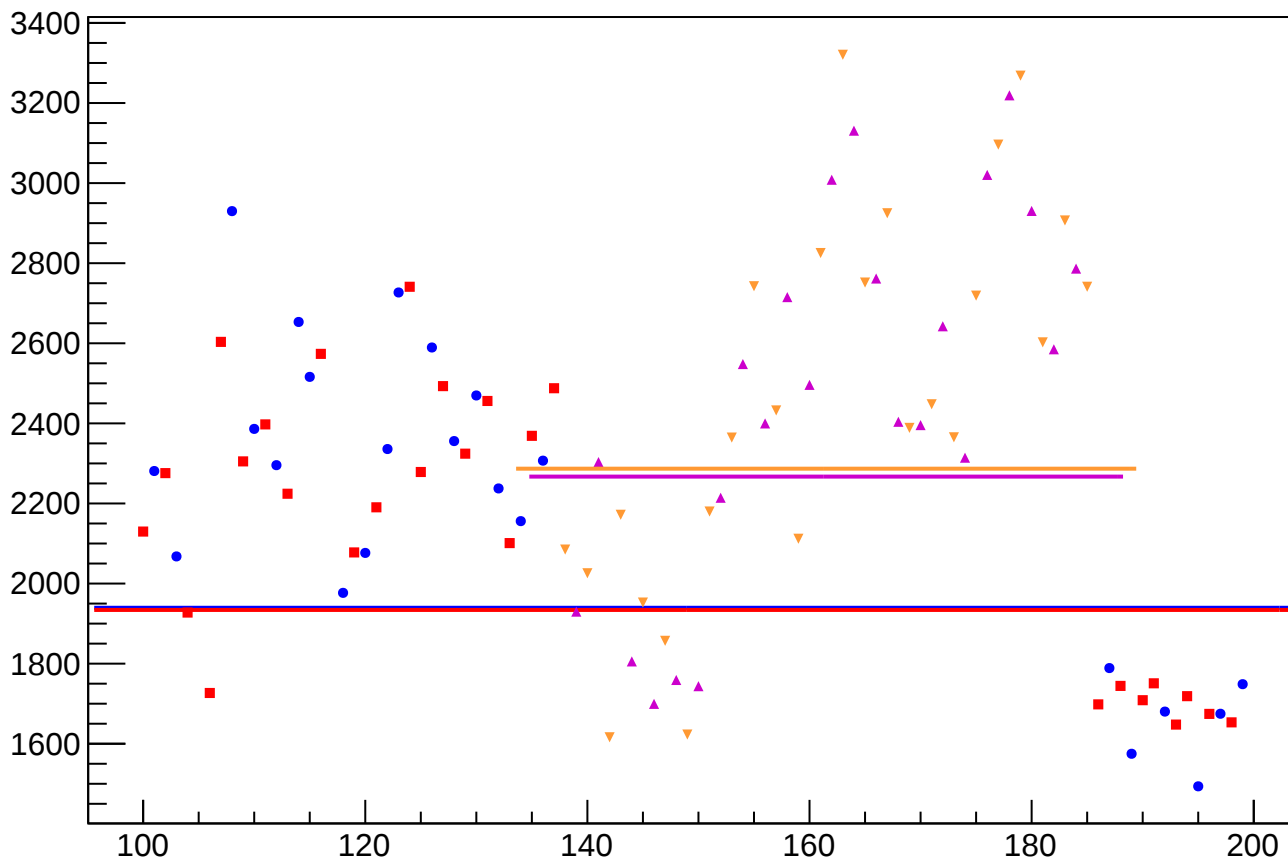
Left In: 51.328 ± 0.558 χ^2/NDF : 4257.8/22

+ sign 31.024 ± 0.405 χ^2/NDF : 8189.1/47

All: 22.969 ± 0.283 χ^2/NDF : 25062.6/97

- sign 15.250 ± 0.396 χ^2/NDF : 16098.9/49

diff_bpm0i01X_rms vs Slug



Right In: 1939.520 $\pm$ 0.429 χ^2 /NDF: 708318.5/22

Left Out: 2286.871 $\pm$ 0.385 χ^2 /NDF:1360490.8/24

Right Out: 1934.111 $\pm$ 0.398 χ^2 /NDF: 605730.2/26

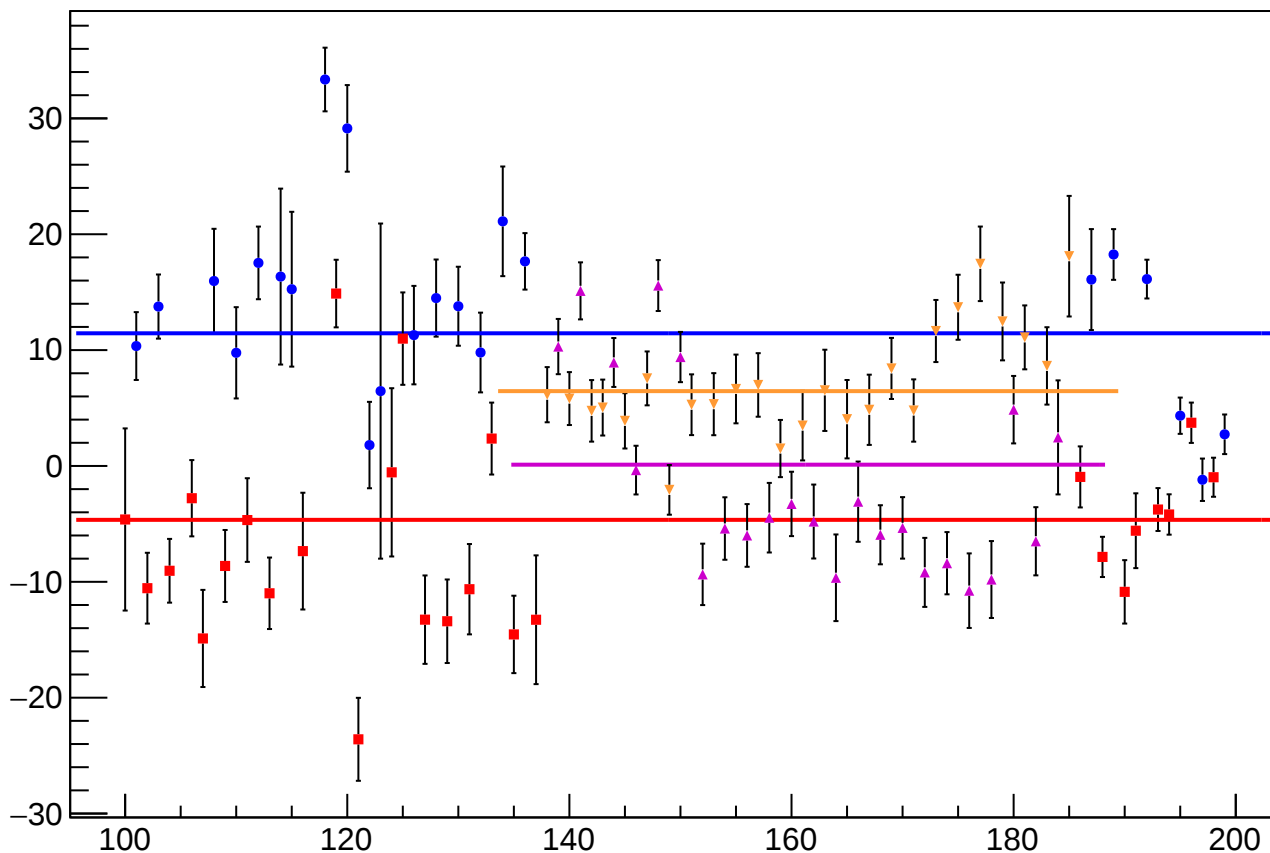
Left In: 2267.097 $\pm$ 0.395 χ^2 /NDF:1313364.4/22

+ sign 2131.938 $\pm$ 0.286 χ^2 /NDF: 2432277.2/47

All: 2116.654 $\pm$ 0.200 χ^2 /NDF: 4709607.3/97

- sign 2102.009 $\pm$ 0.280 χ^2 /NDF: 2271753.3/49

diff_bpm0i01Y_mean vs Slug



Right In: 11.451 ± 0.579 χ^2/NDF : 224.5/22

Left Out: 6.458 ± 0.548 χ^2/NDF : 58.7/24

Right Out: -4.651 ± 0.538 χ^2/NDF : 175.7/26

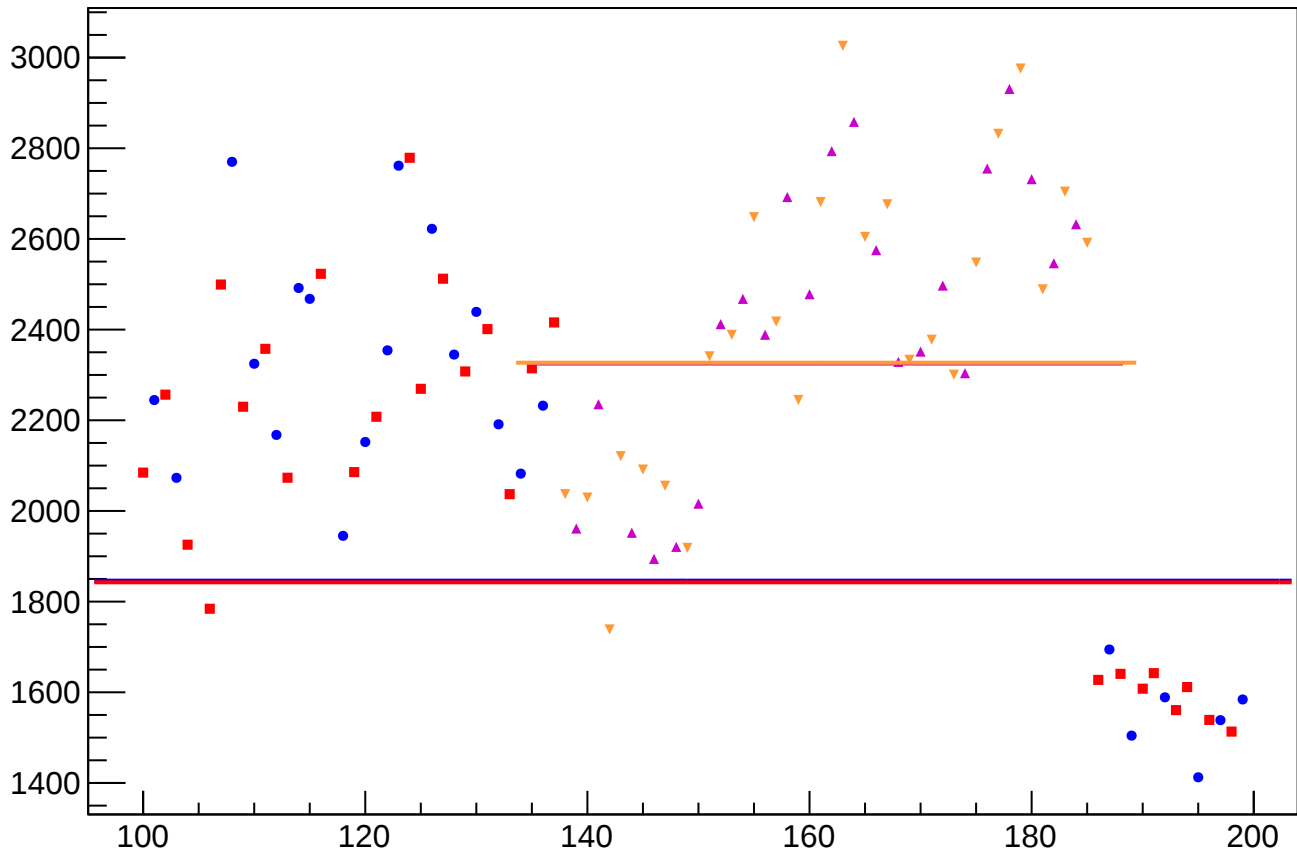
Left In: 0.110 ± 0.565 χ^2/NDF : 234.6/22

+ sign 8.814 ± 0.398 χ^2/NDF : 322.4/47

All: 3.097 ± 0.278 χ^2/NDF : 1174.3/97

- sign -2.386 ± 0.390 χ^2/NDF : 447.5/49

diff_bpm0i01Y_rms vs Slug



Right In: 1846.248 $\pm$ 0.410 χ^2 /NDF: 880928.1/22

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

Right Out: 1842.612 $\pm$ 0.381 χ^2 /NDF: 786995.3/26

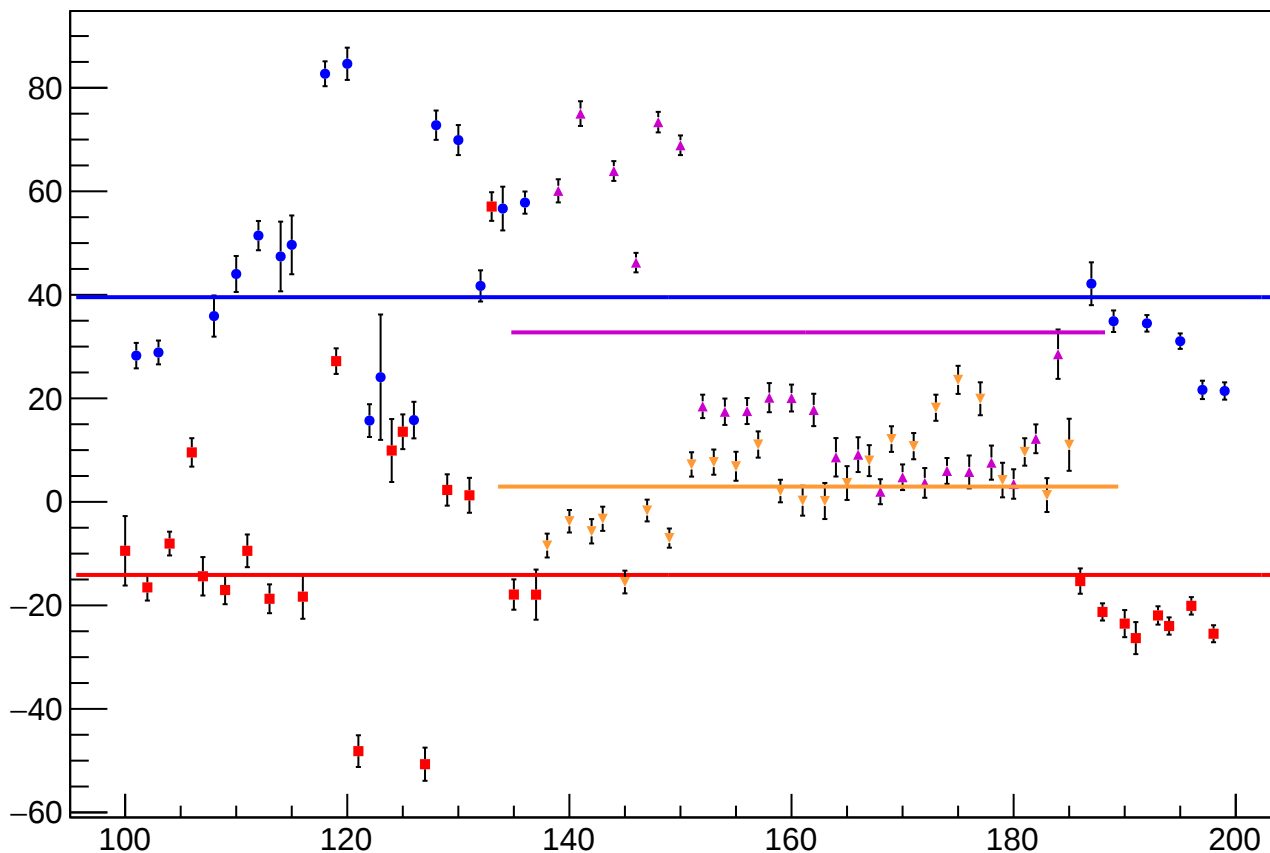
Left In: 2325.175 $\pm$ 0.400 χ^2 /NDF: 610729.2/22

+ sign 2100.187 $\pm$ 0.281 χ^2 /NDF: 2255212.5/47

All: 2085.851 $\pm$ 0.197 χ^2 /NDF: 4422732.9/97

- sign 2072.100 $\pm$ 0.276 χ^2 /NDF: 2162434.8/49

diff_bpm0i01aX_mean vs Slug



Right In: 39.545 $\pm$ 0.529 χ^2 /NDF: 1306.8/22

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

Right Out: -14.120 $\pm$ 0.492 χ^2 /NDF: 1583.1/26

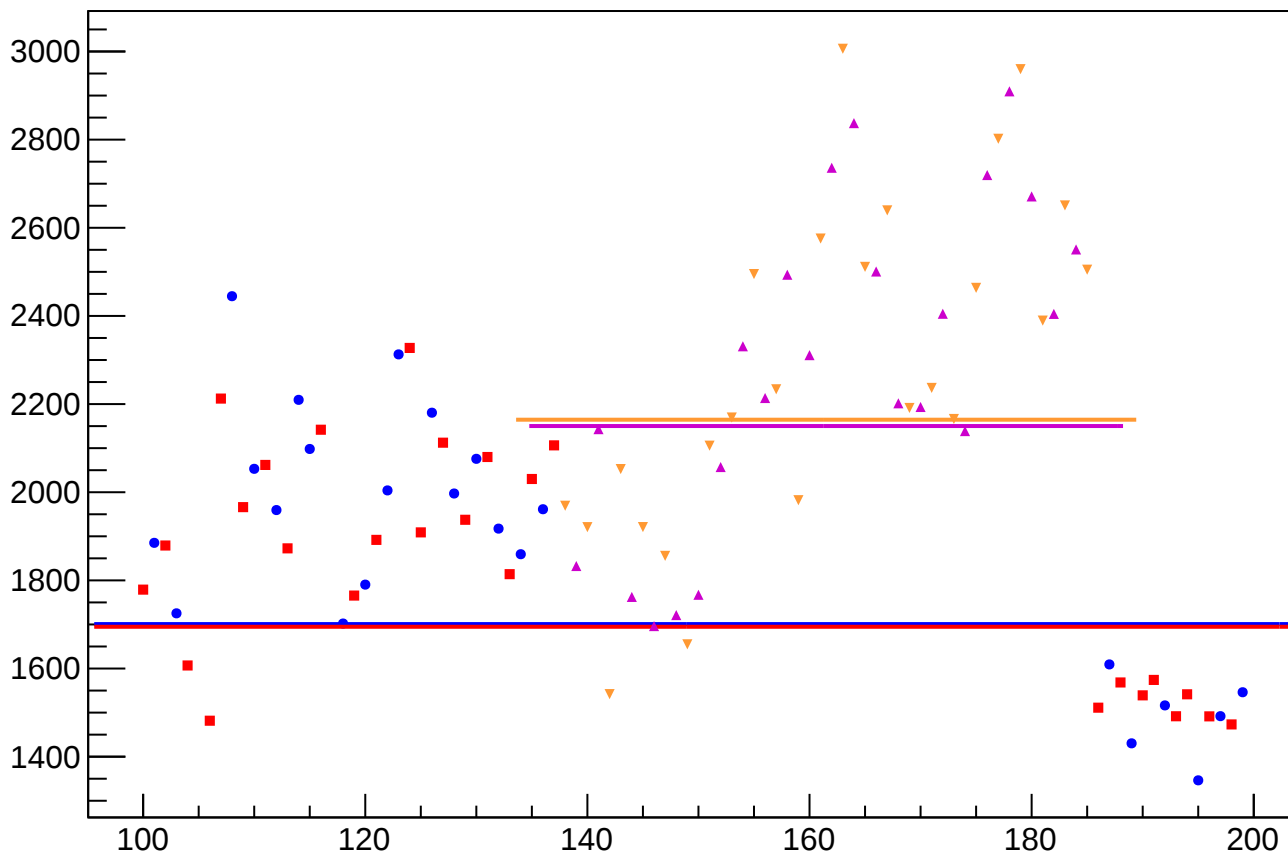
Left In: 32.745 $\pm$ 0.526 χ^2 /NDF:2632.5/22

+ sign 20.646 $\pm$ 0.368 χ^2 /NDF: 4115.3/47

All: 14.029 $\pm$ 0.257 χ^2 /NDF: 13199.3/97

- sign 7.722 $\pm$ 0.359 χ^2 /NDF: 8452.2/49

diff_bpm0i01aX_rms vs Slug



Right In: 1700.844+/-0.374 χ^2/NDF : 518606.8/22

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

Right Out: 1694.758+/-0.348 χ^2/NDF : 439807.3/26

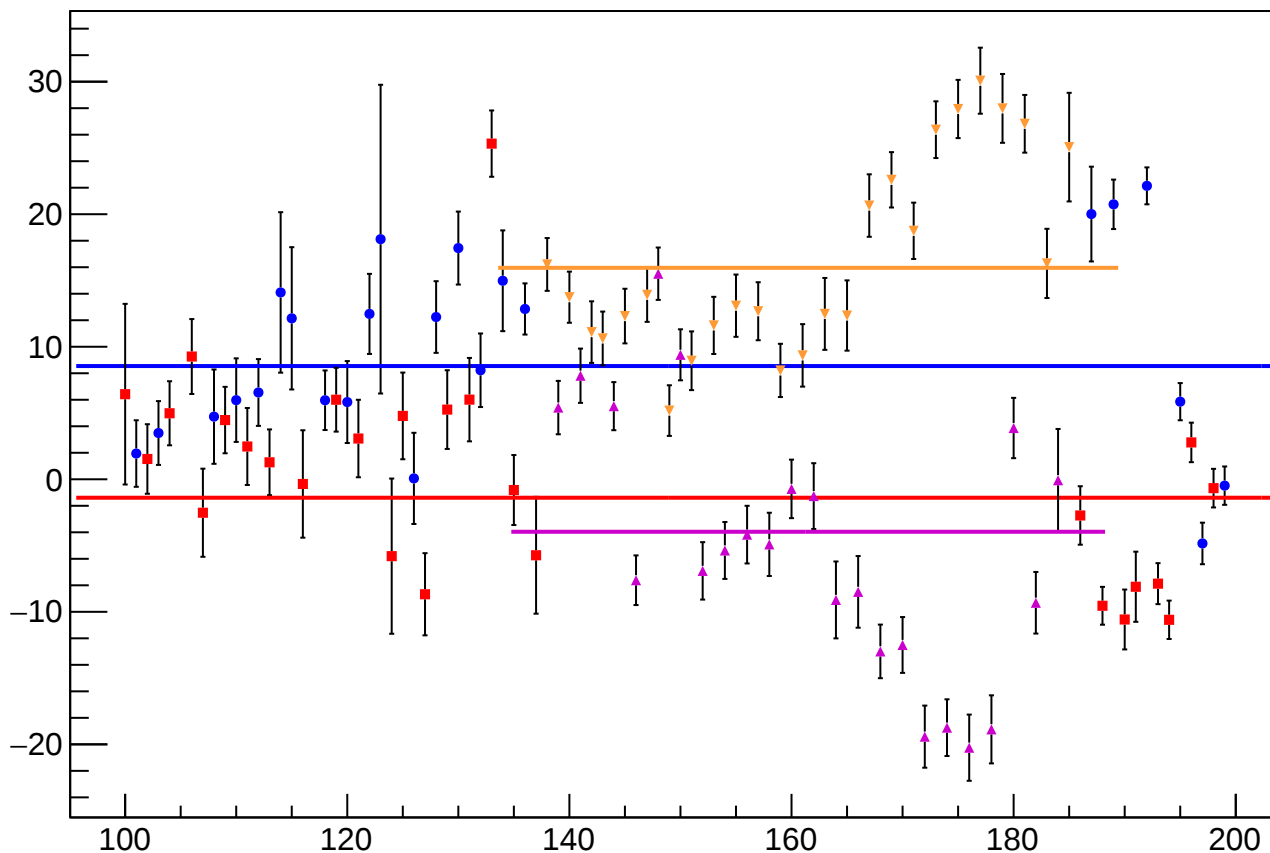
Left In: 2150.190+/-0.372 χ^2/NDF : 911849.7/22

+ sign 1940.344+/-0.260 χ^2/NDF : 2277757.7/47

All: 1923.278+/-0.182 χ^2/NDF : 4438034.0/97

- sign 1907.012+/-0.254 χ^2/NDF : 2151870.7/49

diff_bpm0i01aY_mean vs Slug



Right In: 8.544 ± 0.485 χ^2/NDF : 309.5/22

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

Right Out: -1.391 ± 0.448 χ^2/NDF : 301.5/26

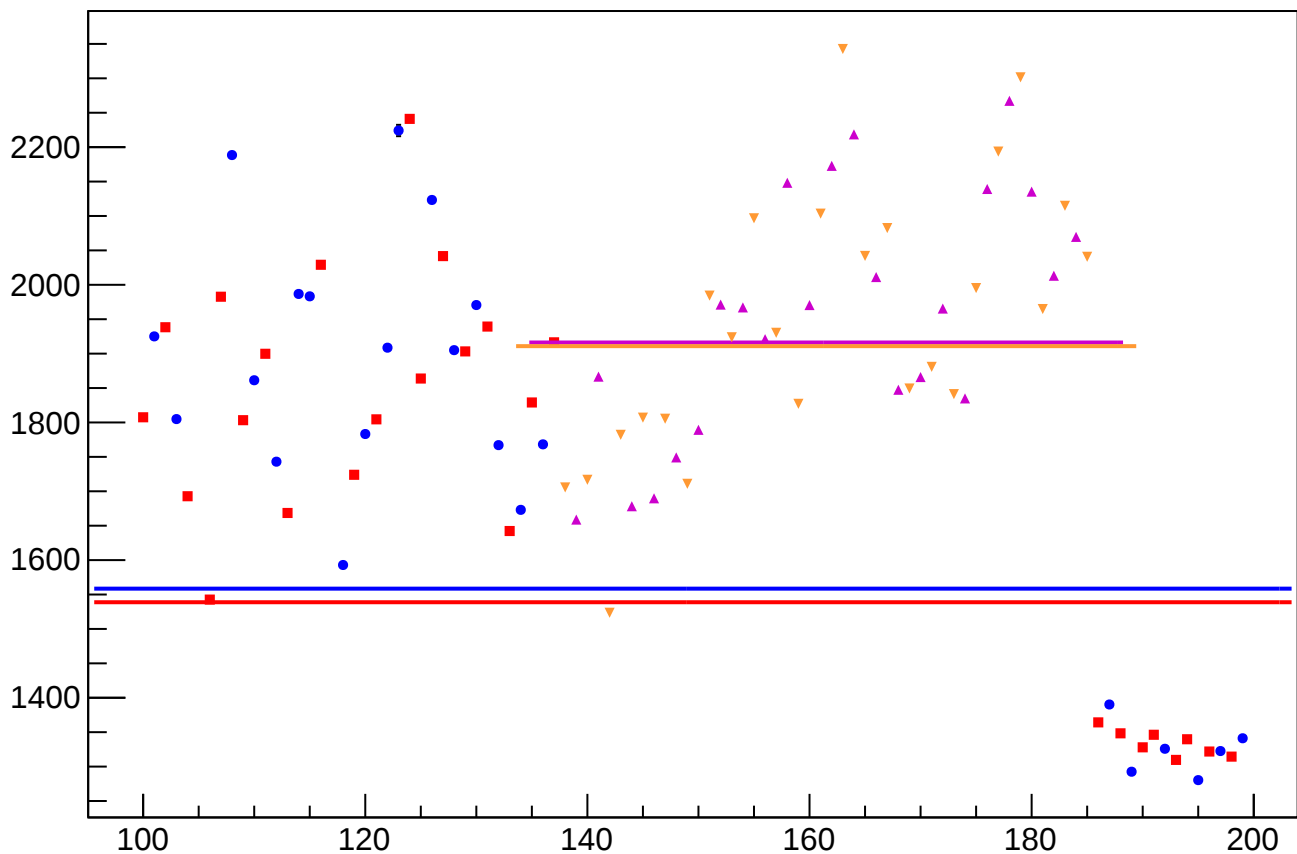
Left In: -3.960 ± 0.463 χ^2/NDF : 464.9/22

+ sign 12.551 ± 0.329 χ^2/NDF : 680.8/47

All: 4.790 ± 0.230 χ^2/NDF : 2551.9/97

- sign -2.633 ± 0.322 χ^2/NDF : 782.3/49

diff_bpm0i01aY_rms vs Slug



Right In: 1558.537 $\pm$ 0.343 χ^2 /NDF: 660563.2/22

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

Right Out: 1538.788 $\pm$ 0.316 χ^2 /NDF: 663118.2/26

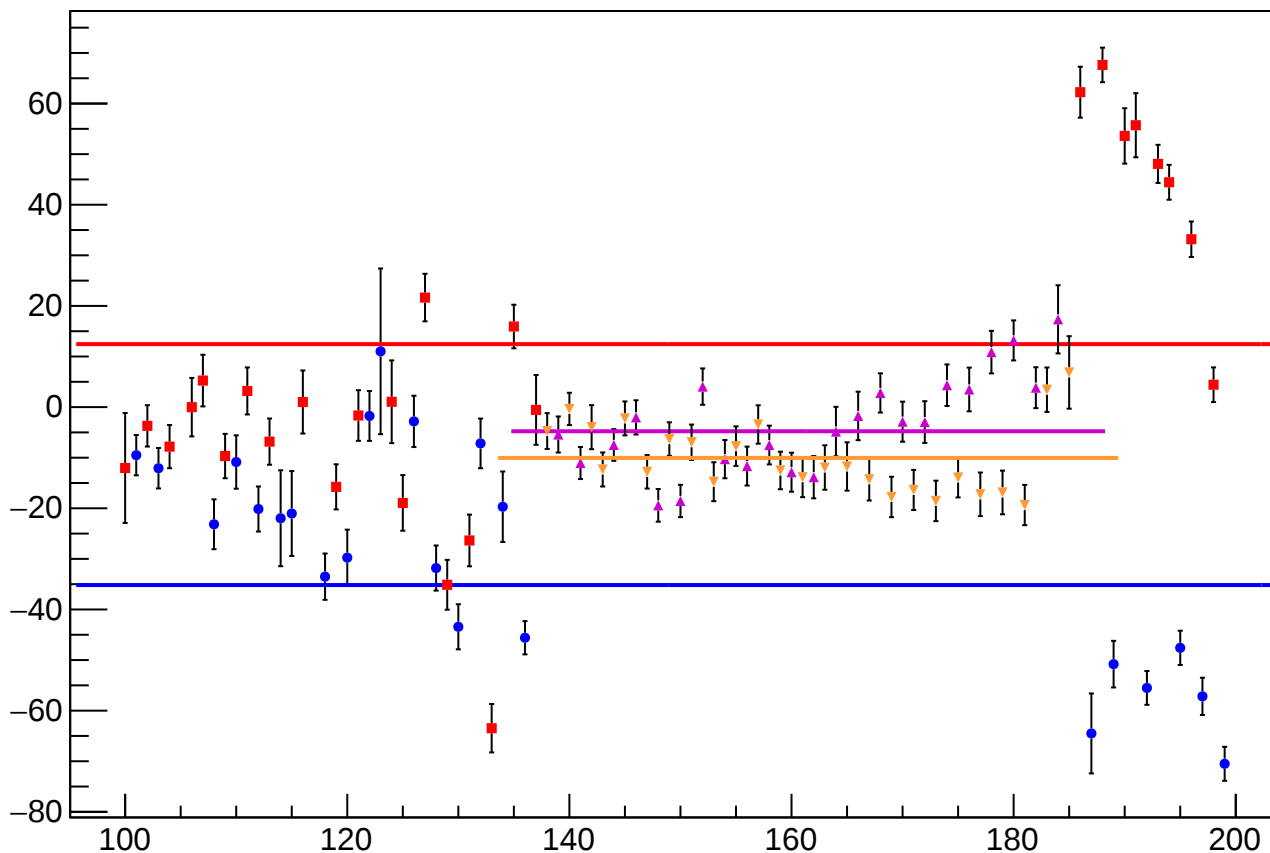
Left In: 1916.159 $\pm$ 0.327 χ^2 /NDF: 274285.3/22

+ sign 1749.037 $\pm$ 0.233 χ^2 /NDF: 1559175.0/47

All: 1734.786 $\pm$ 0.163 χ^2 /NDF: 3190992.7/97

- sign 1721.156 $\pm$ 0.228 χ^2 /NDF: 1624475.3/49

diff_bpm0l01X_mean vs Slug



Right In: -35.170 ± 0.953 χ^2/NDF : 487.9/22

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

Right Out: 12.445 ± 0.895 χ^2/NDF : 1271.2/26

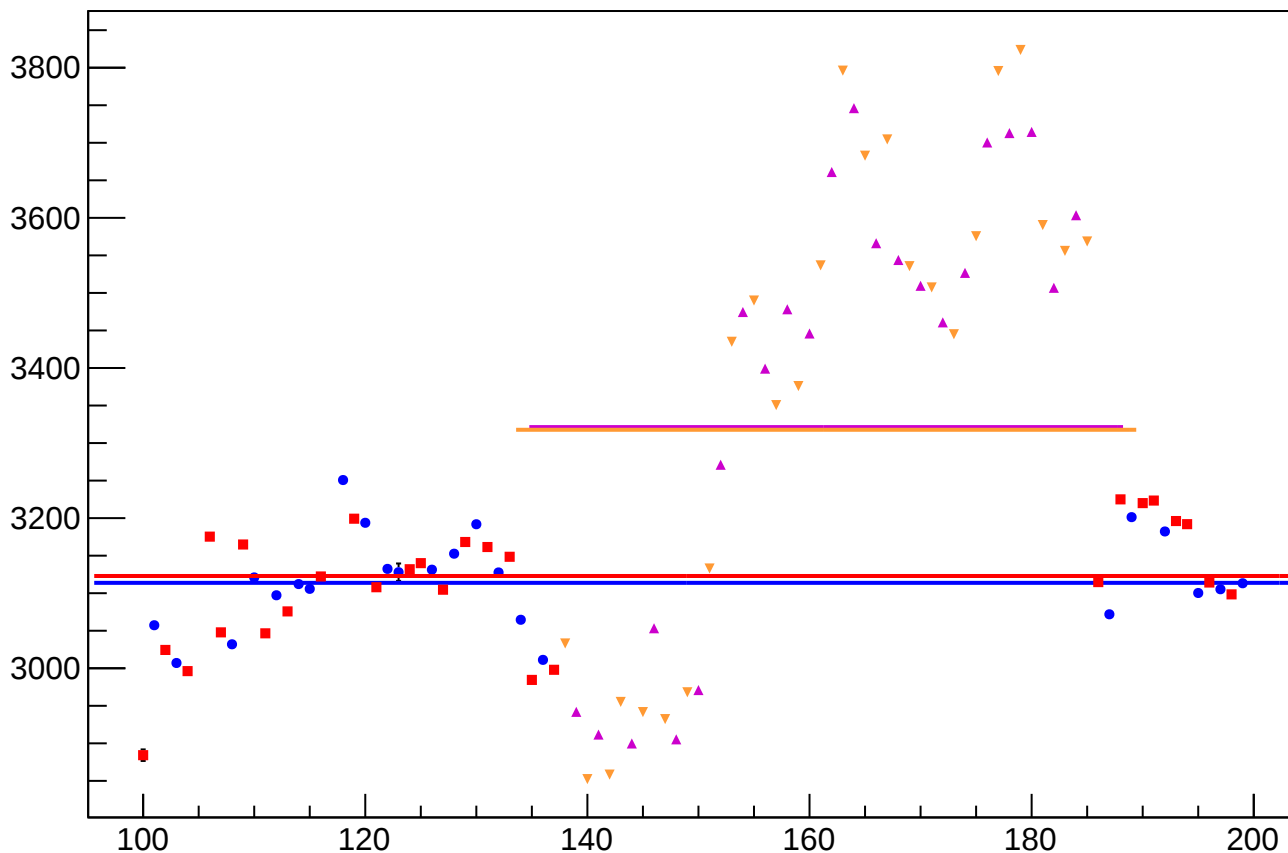
Left In: -4.774 ± 0.800 χ^2/NDF : 128.5/22

+ sign -20.064 ± 0.602 χ^2/NDF : 972.9/47

All: -8.488 ± 0.424 χ^2/NDF : 3311.4/97

- sign 2.882 ± 0.597 χ^2/NDF : 1605.4/49

diff_bpm0l01X_rms vs Slug



Right In: 3113.800+/-0.674 χ^2/NDF : 9167.7/22

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

Right Out: 3122.930+/-0.633 χ^2/NDF : 13735.4/26

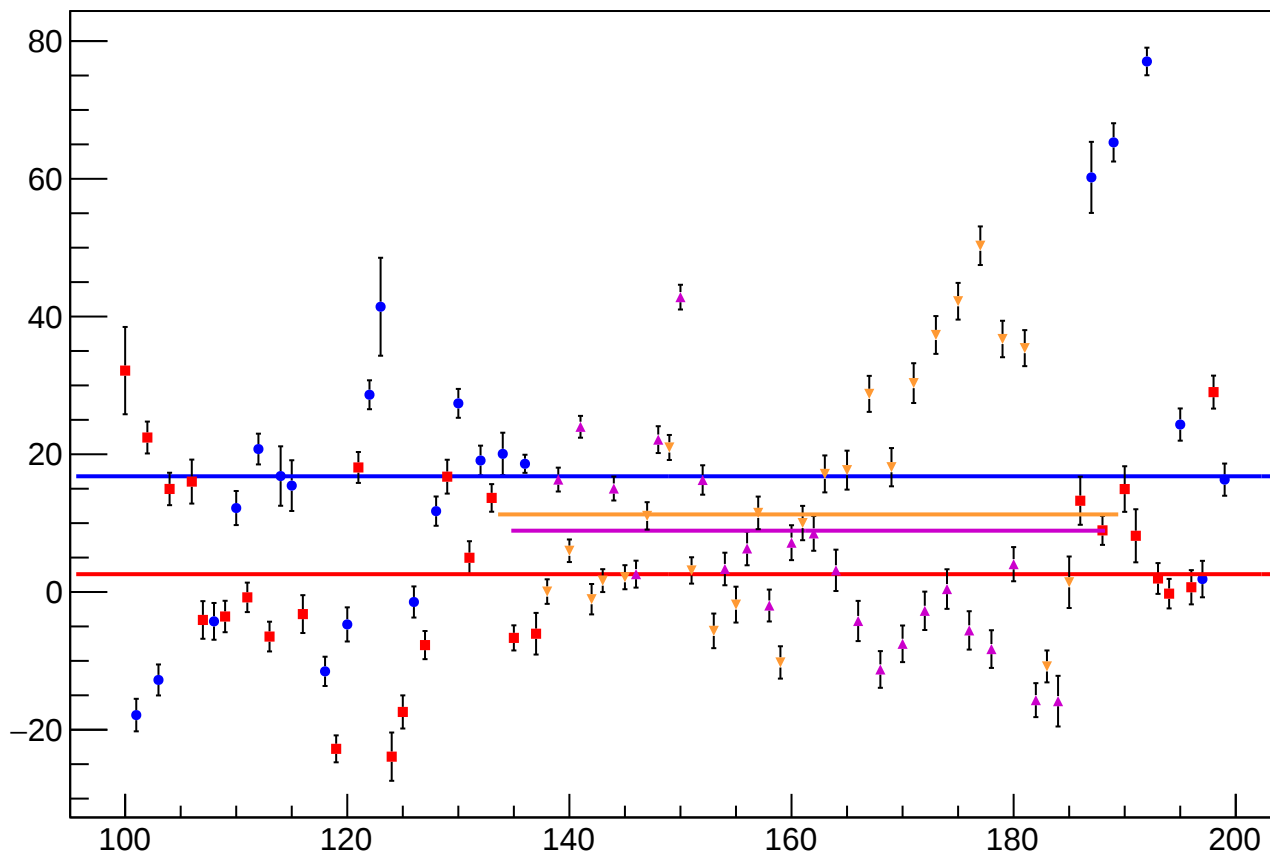
Left In: 3321.275+/-0.566 χ^2/NDF : 284334.2/22

+ sign 3236.374+/-0.426 χ^2/NDF : 401070.2/47

All: 3234.715+/-0.300 χ^2/NDF : 753767.1/97

- sign 3233.086+/-0.422 χ^2/NDF : 352666.8/49

diff_bpm0l01Y_mean vs Slug



Right In: 16.804 $\pm$ 0.493 χ^2 /NDF: 2175.8/22

Left Out: 11.268 $\pm$ 0.454 χ^2 /NDF:1141.8/24

Right Out: 2.589 $\pm$ 0.469 χ^2 /NDF: 803.1/26

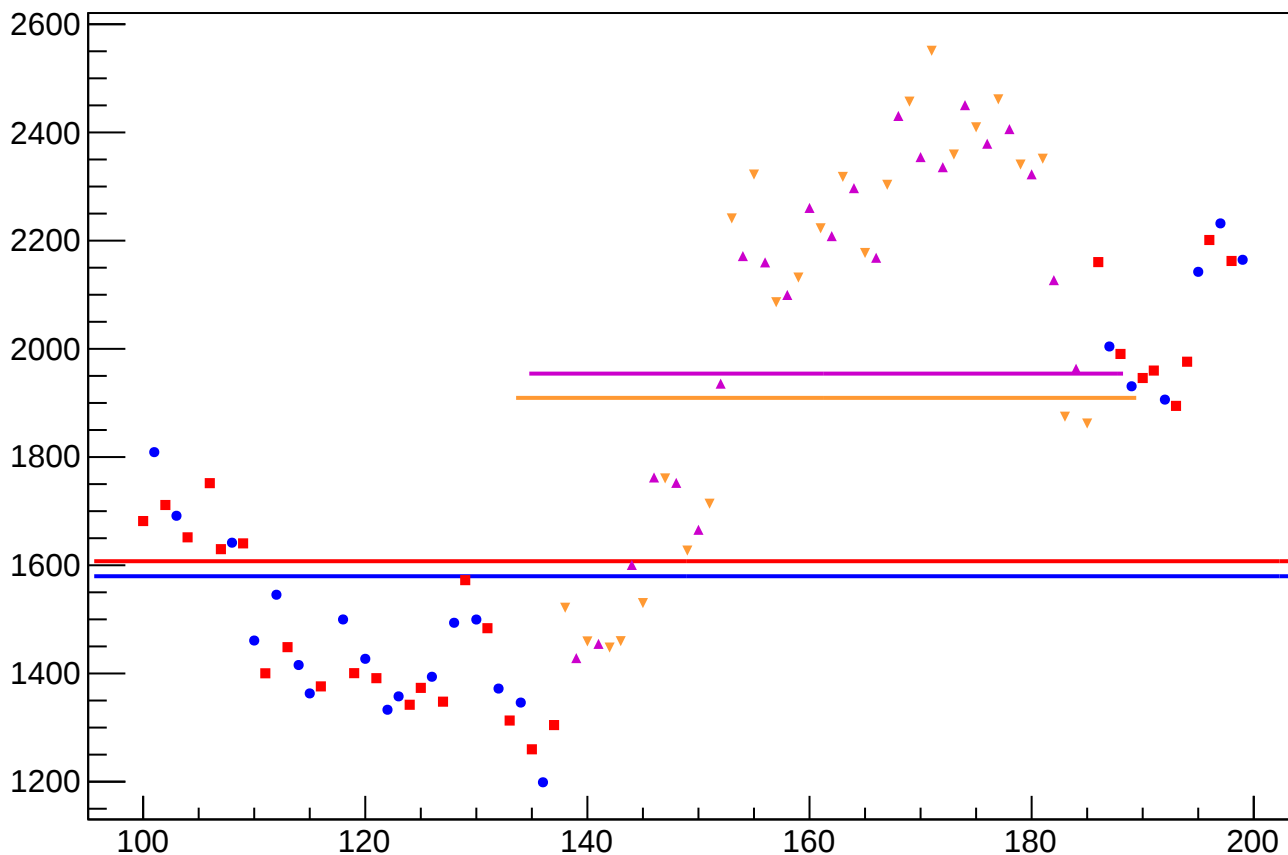
Left In: 8.905 $\pm$ 0.478 χ^2 /NDF:936.3/22

+ sign 13.809 $\pm$ 0.334 χ^2 /NDF: 3385.7/47

All: 9.752 $\pm$ 0.236 χ^2 /NDF: 5509.2/97

- sign 5.688 $\pm$ 0.334 χ^2 /NDF: 1828.5/49

diff_bpm0l01Y_rms vs Slug



Right In: 1579.732 $\pm$ 0.349 χ^2 /NDF: 758598.0/22

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

Right Out: 1607.500 $\pm$ 0.331 χ^2 /NDF: 766140.9/26

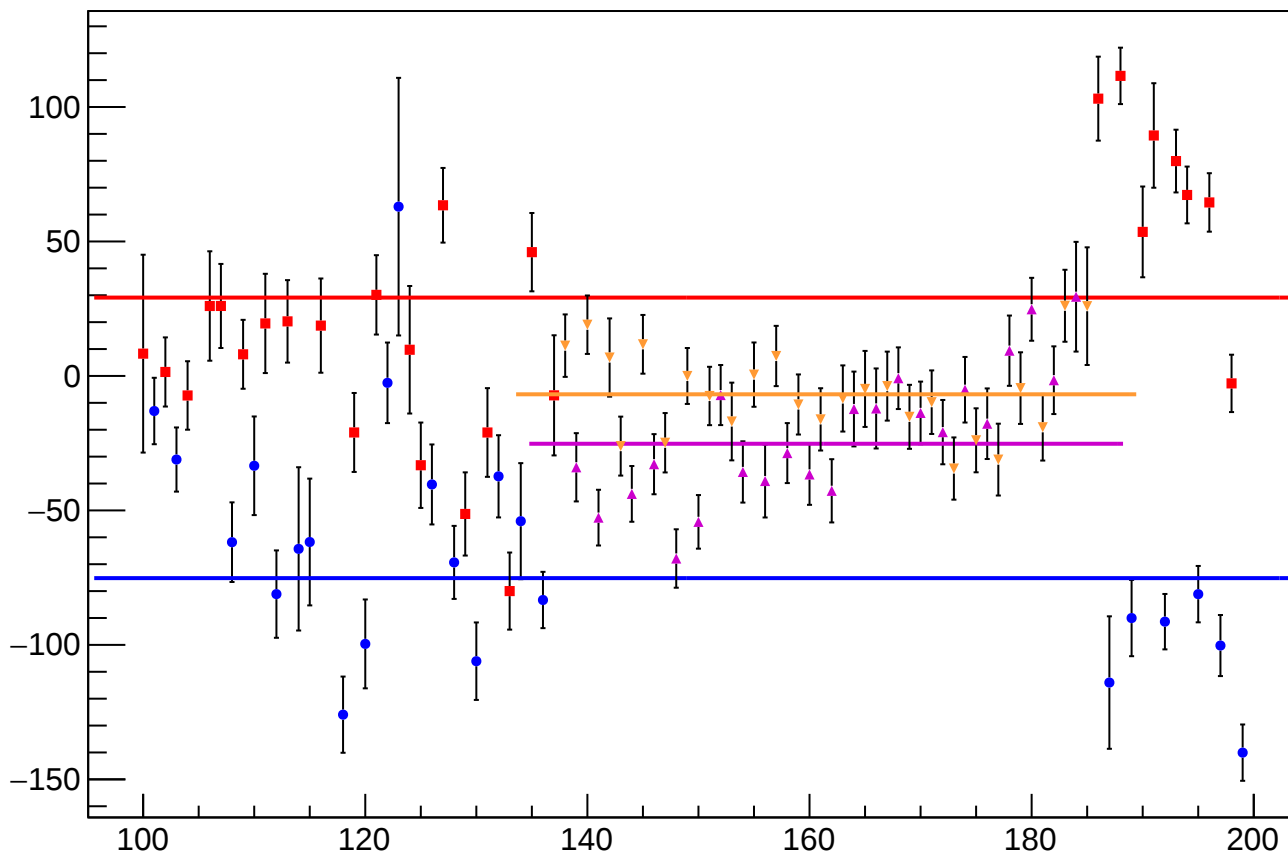
Left In: 1954.236 $\pm$ 0.338 χ^2 /NDF:1044826.7/22

+ sign 1758.102 $\pm$ 0.236 χ^2 /NDF: 2640246.7/47

All: 1767.861 $\pm$ 0.167 χ^2 /NDF: 4991703.5/97

- sign 1777.636 $\pm$ 0.237 χ^2 /NDF: 2348043.5/49

diff_bpm0l02X_mean vs Slug



Right In: -75.175 ± 2.966 $\chi^2/\text{NDF}: 160.1/22$

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

Right Out: 29.135 ± 2.789 $\chi^2/\text{NDF}: 296.5/26$

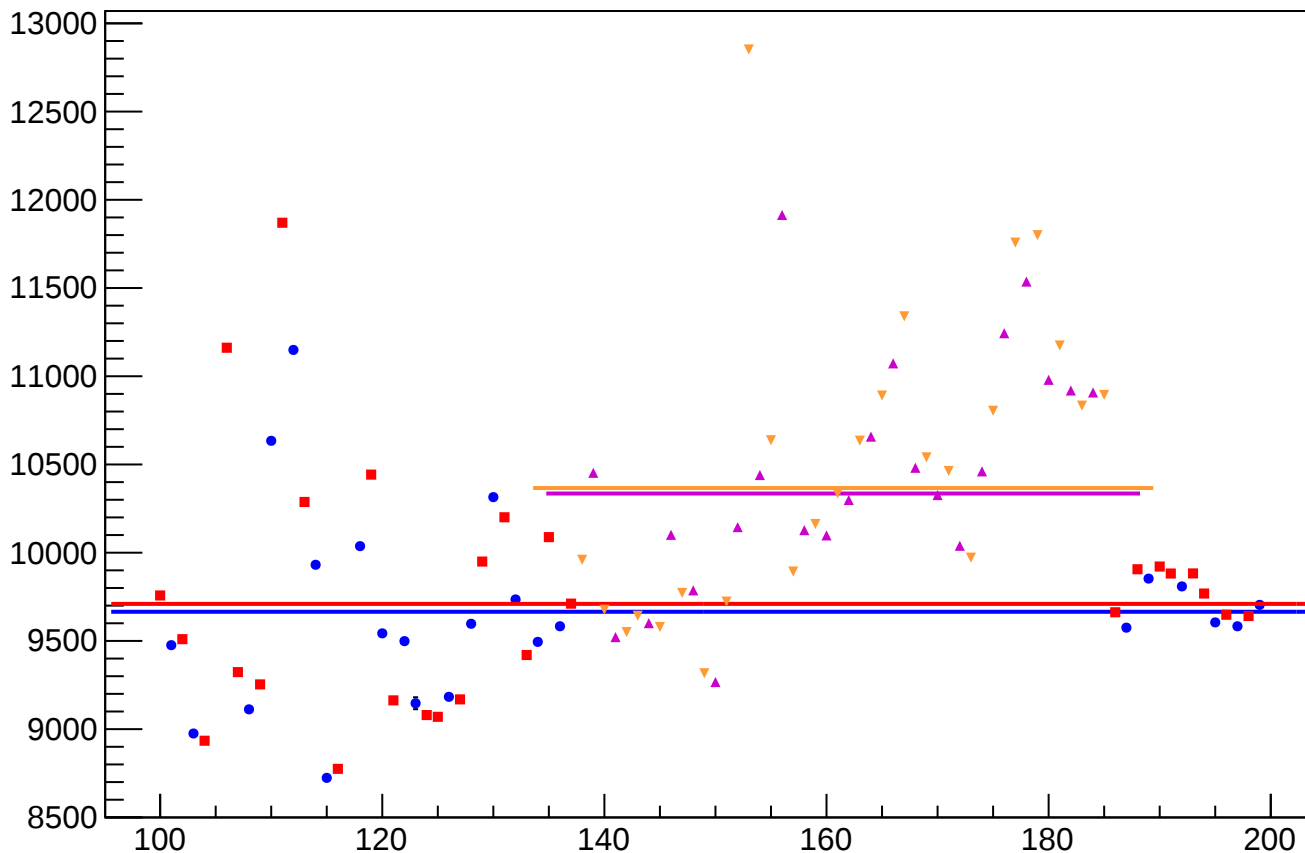
Left In: -25.215 ± 2.487 $\chi^2/\text{NDF}: 89.3/22$

+ sign -34.178 ± 1.876 $\chi^2/\text{NDF}: 521.0/47$

All: -17.483 ± 1.319 $\chi^2/\text{NDF}: 1275.0/97$

- sign -1.145 ± 1.856 $\chi^2/\text{NDF}: 597.3/49$

diff_bpm0l02X_rms vs Slug



Right In: 9665.217 $\pm$ 2.097 χ^2 /NDF: 45011.3/22

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

Right Out: 9709.934 $\pm$ 1.972 χ^2 /NDF: 79479.8/26

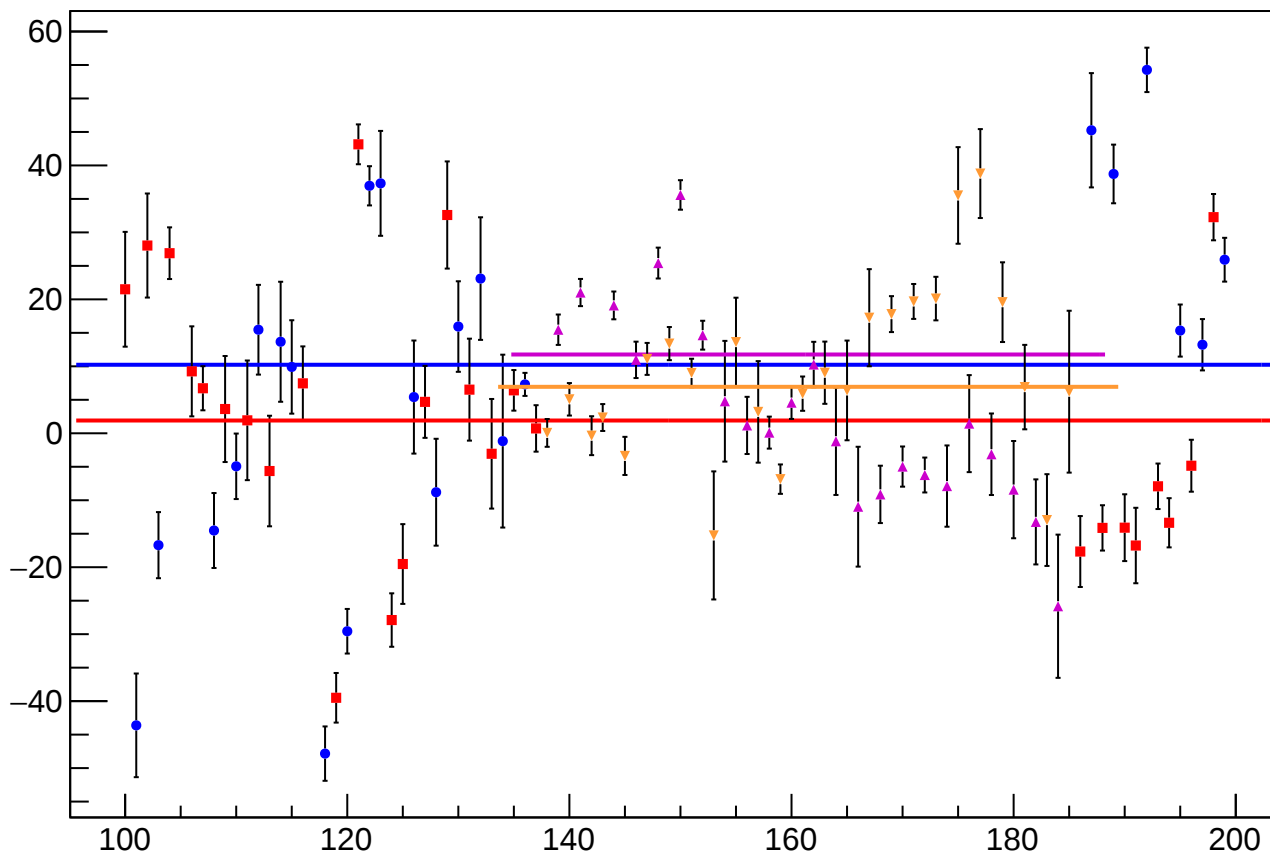
Left In: 10335.399 $\pm$ 1.758 χ^2 /NDF: 127173.0/22

+ sign 10085.872 $\pm$ 1.327 χ^2 /NDF: 323493.4/47

All: 10071.989 $\pm$ 0.933 χ^2 /NDF: 586402.8/97

- sign 10058.402 $\pm$ 1.312 χ^2 /NDF: 262692.8/49

diff_bpm0l02Y_mean vs Slug



Right In: 10.233 ± 0.890 $\chi^2/\text{NDF}: 824.0/22$

Left Out: 6.939 ± 0.639 $\chi^2/\text{NDF}: 203.8/24$

Right Out: 1.908 ± 0.863 $\chi^2/\text{NDF}: 630.6/26$

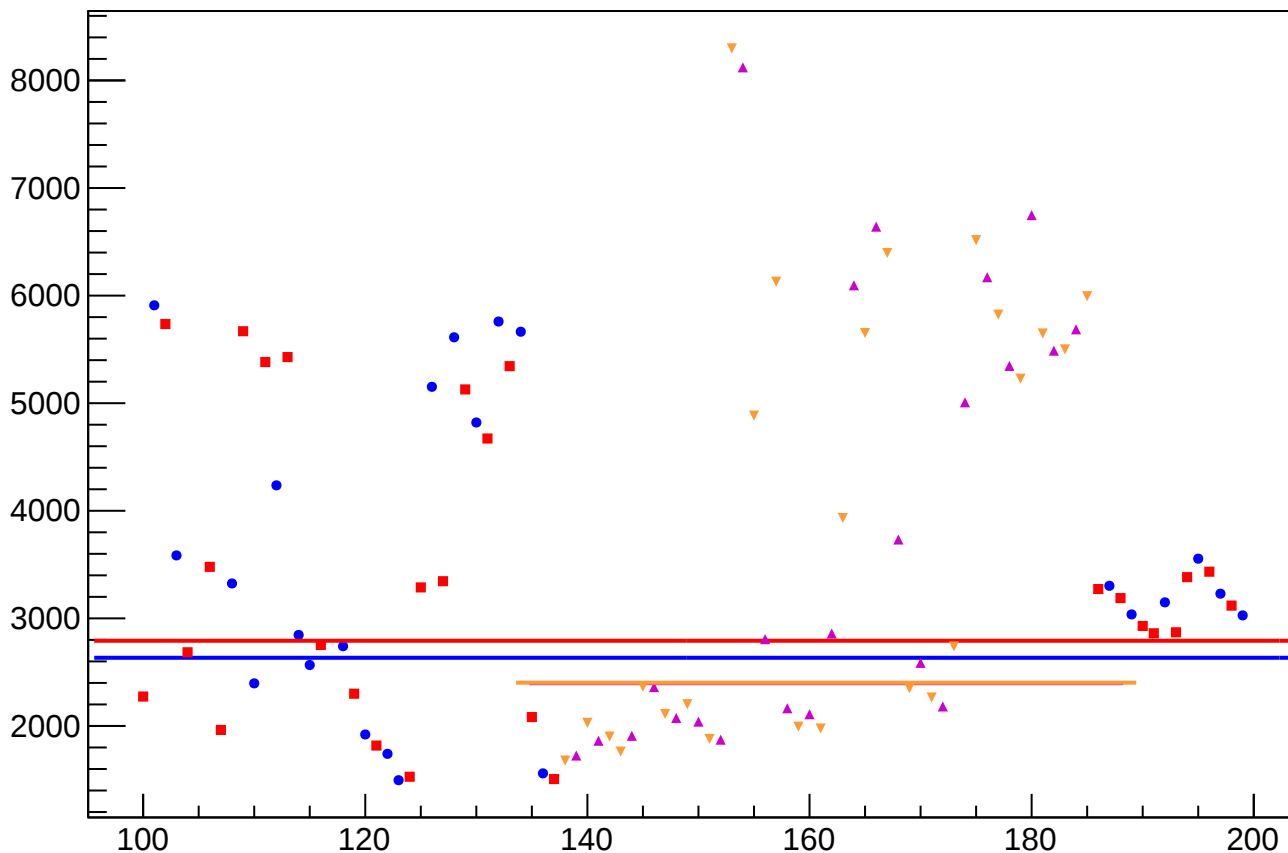
Left In: 11.766 ± 0.648 $\chi^2/\text{NDF}: 395.1/22$

+ sign 8.059 ± 0.519 $\chi^2/\text{NDF}: 1036.9/47$

All: 8.133 ± 0.367 $\chi^2/\text{NDF}: 2146.1/97$

- sign 8.207 ± 0.518 $\chi^2/\text{NDF}: 1109.1/49$

diff_bpm0l02Y_rms vs Slug



Right In: 2633.780+/-0.629 χ^2/NDF : 2961360.7/22

Left Out: 2402.359+/-0.452 χ^2/NDF : 6345982.8/24

Right Out: 2792.056+/-0.610 χ^2/NDF : 2607336.2/26

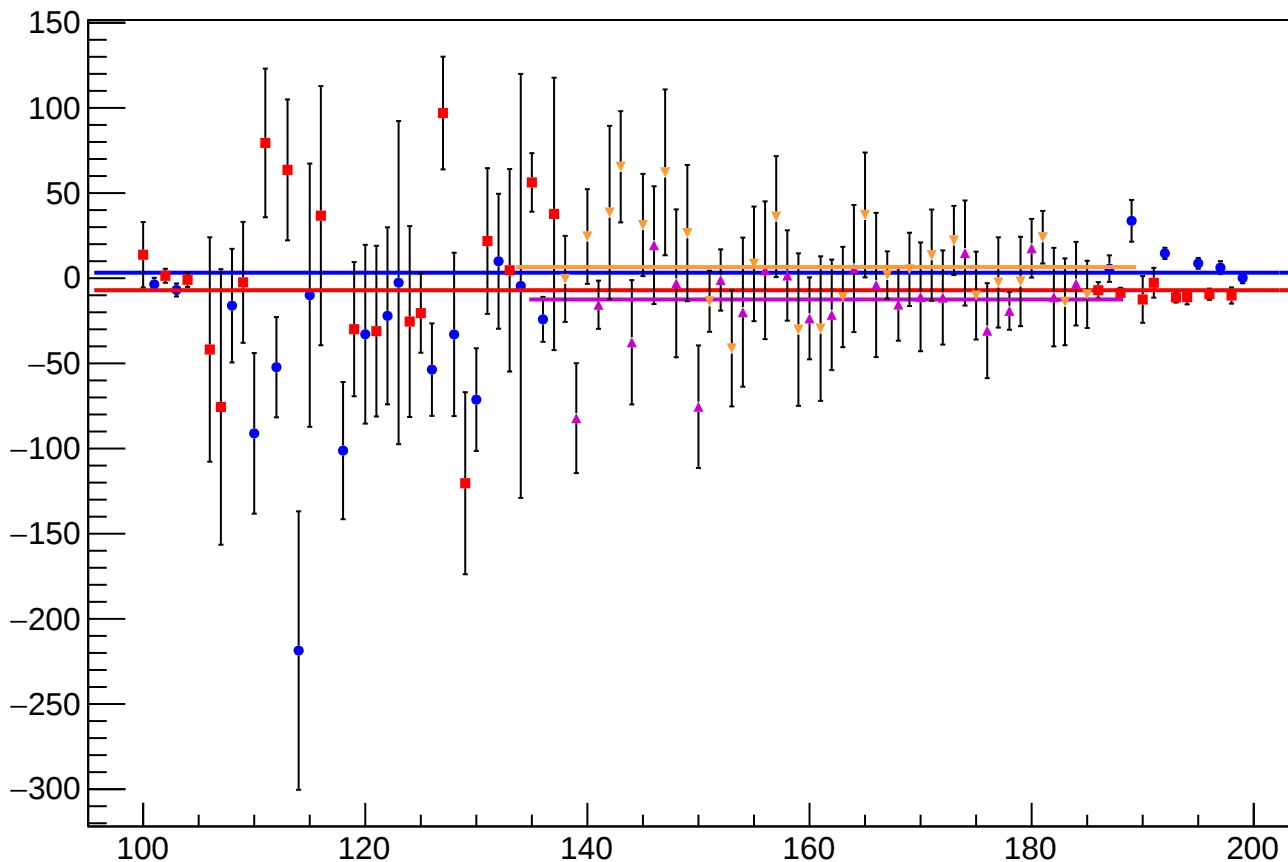
Left In: 2397.701+/-0.458 χ^2/NDF : 5398920.1/22

+ sign 2481.039+/-0.367 χ^2/NDF : 9396598.6/47

All: 2510.599+/-0.259 χ^2/NDF : 17682964.7/9

- sign 2540.083+/-0.366 χ^2/NDF : 8273403.2/49

diff_bpm0l03X_mean vs Slug



Right In: 3.243 ± 1.364 χ^2/NDF : 71.1/22

Left Out: 6.560 ± 5.077 χ^2/NDF : 16.8/24

Right Out: -7.021 ± 1.282 χ^2/NDF : 50.0/26

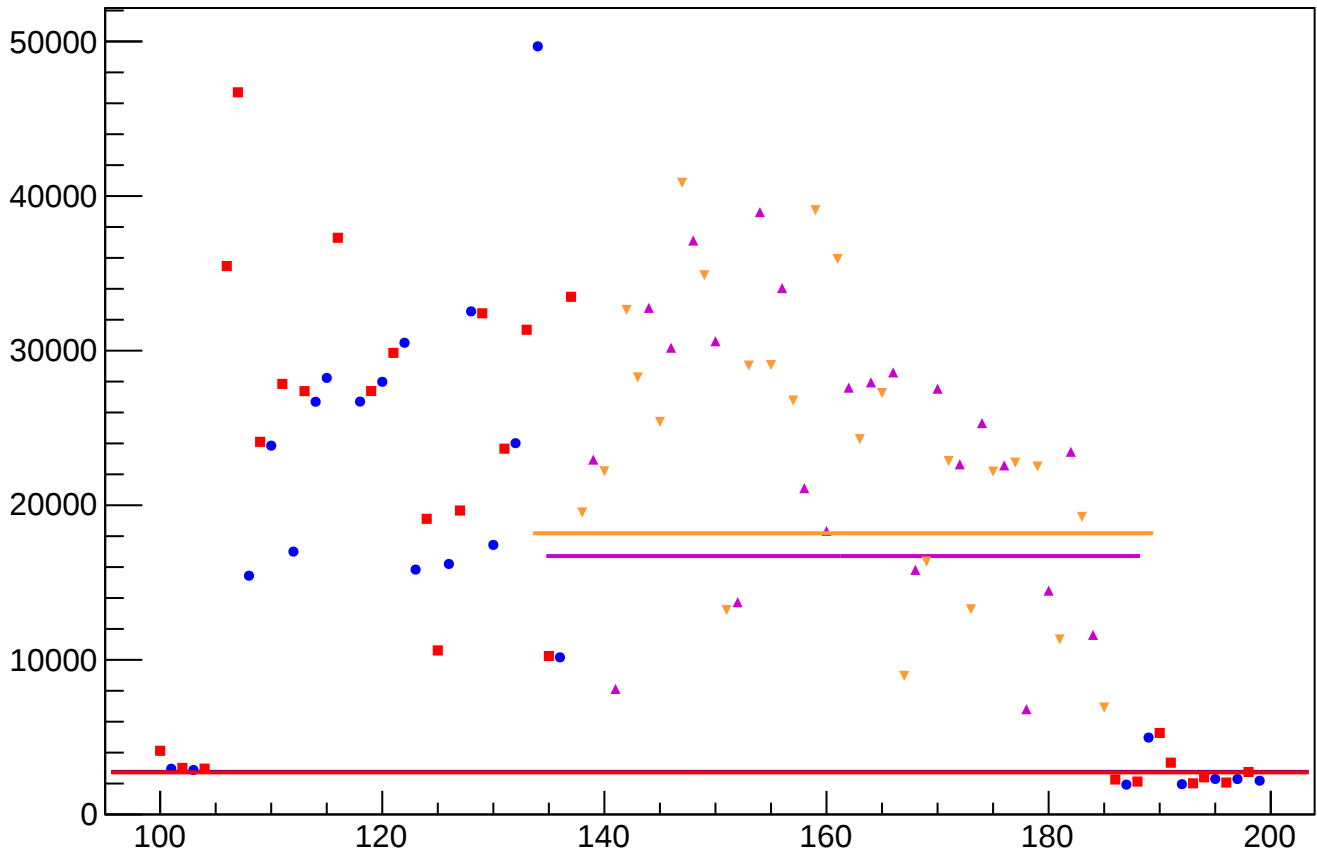
Left In: -12.469 ± 5.025 χ^2/NDF : 15.4/22

+ sign 3.467 ± 1.318 χ^2/NDF : 88.3/47

All: -2.261 ± 0.904 χ^2/NDF : 190.5/97

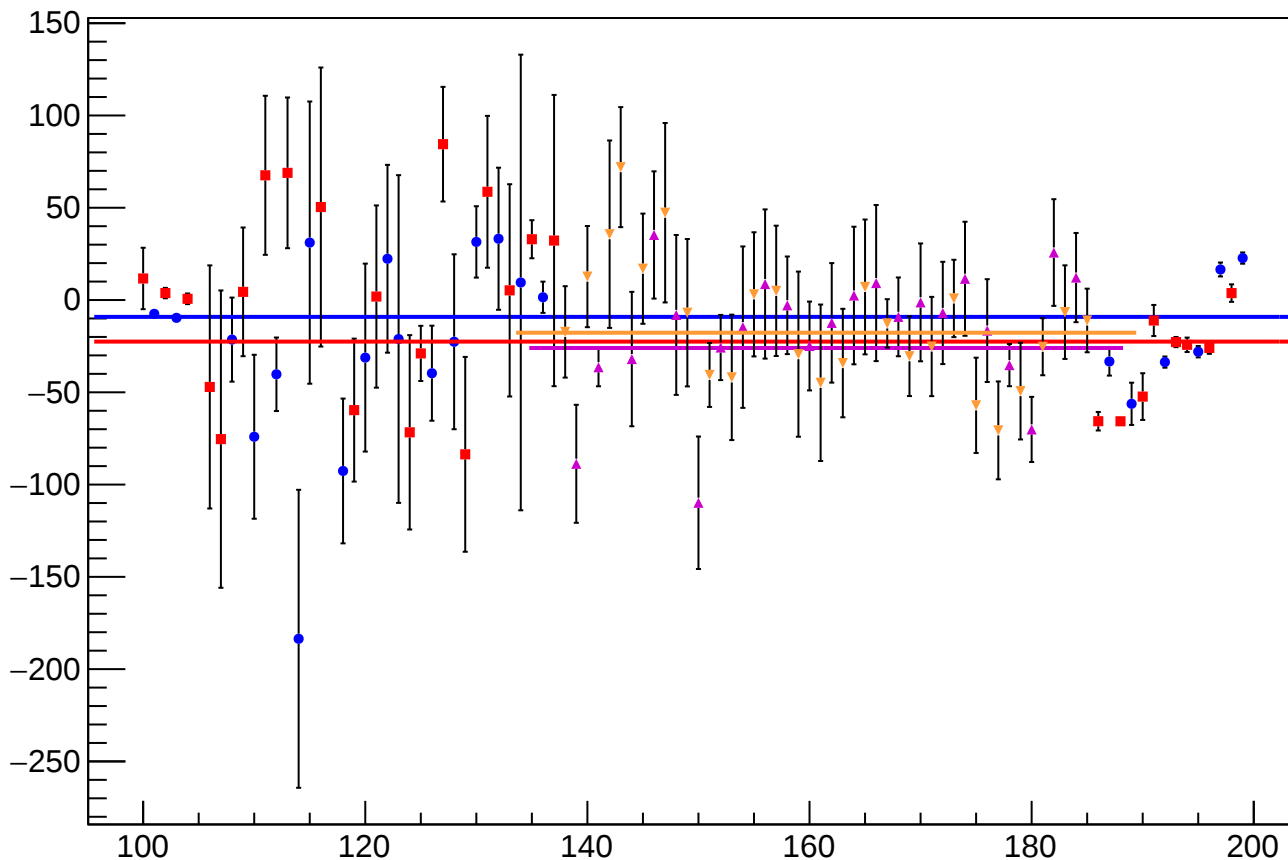
- sign -7.354 ± 1.243 χ^2/NDF : 66.6/49

diff_bpm0l03X_rms vs Slug



Right In: 2754.861+/-0.965	χ^2/NDF : 6904806.7/22	+ sign 3794.255+/-0.932	χ^2/NDF : 29405030.5/47
Left Out: 18190.387+/-3.590	χ^2/NDF : 5261328.5/24	All: 3678.920+/-0.639	χ^2/NDF : 58729020.2/5
Right Out: 2720.767+/-0.907	χ^2/NDF : 8542114.0/26	- sign 3576.335+/-0.879	χ^2/NDF : 29295033.6/49
Left In: 16713.653+/-3.553	χ^2/NDF : 6194178.8/22		

diff_bpm0l03Y_mean vs Slug



Right In: -9.133 ± 1.168 $\chi^2/\text{NDF}: 309.8/22$

Left Out: -17.717 ± 4.974 $\chi^2/\text{NDF}: 27.2/24$

Right Out: -22.528 ± 1.114 $\chi^2/\text{NDF}: 585.9/26$

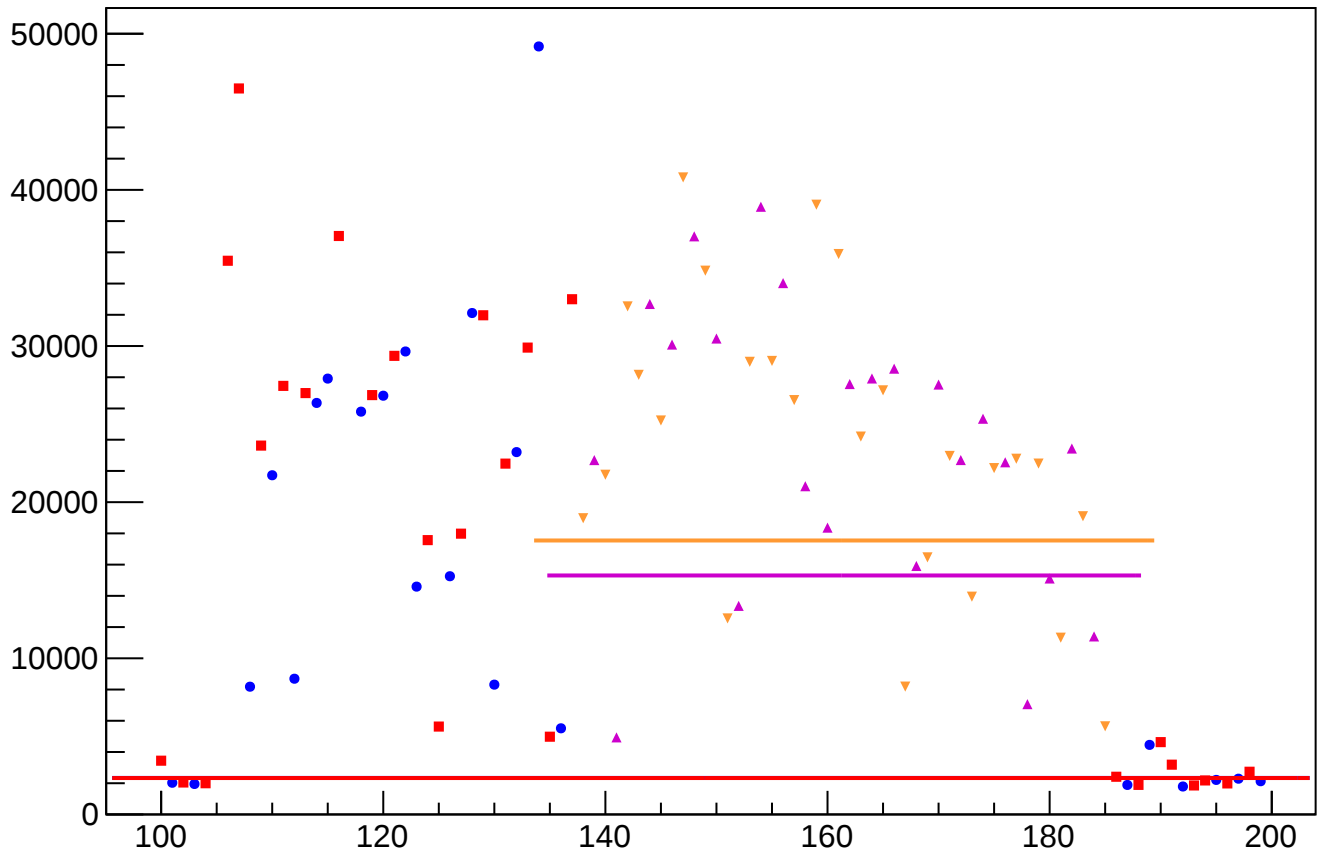
Left In: -25.991 ± 4.789 $\chi^2/\text{NDF}: 32.6/22$

+ sign -9.581 ± 1.137 $\chi^2/\text{NDF}: 339.8/47$

All: -16.451 ± 0.785 $\chi^2/\text{NDF}: 1028.6/97$

- sign -22.706 ± 1.085 $\chi^2/\text{NDF}: 619.0/49$

diff_bpm0l03Y_rms vs Slug



Right In: 2339.302+/-0.826 χ^2/NDF : 5776746.6/22

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

Right Out: 2332.066+/-0.787 χ^2/NDF : 8157045.8/26

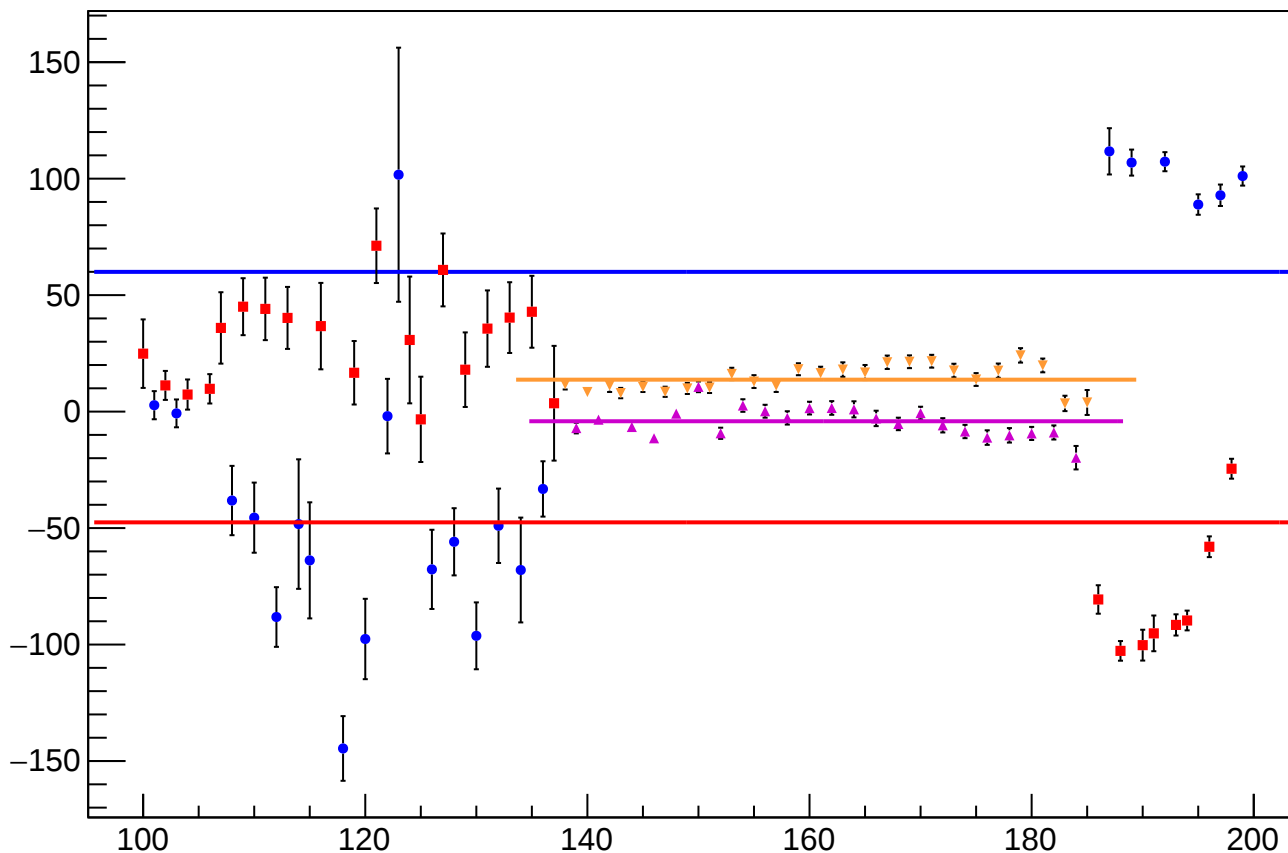
Left In: 15305.311+/-3.386 χ^2/NDF : 7721177.0/22

+ sign 3133.438+/-0.804 χ^2/NDF : 29395333.2/47

All: 3062.289+/-0.555 χ^2/NDF : 59213385.7/9

- sign 2997.514+/-0.767 χ^2/NDF : 29803083.5/49

diff_bpm0l04X_mean vs Slug



Right In: 59.984 ± 1.638 χ^2/NDF : 1581.5/22

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

Right Out: -47.545 ± 1.456 χ^2/NDF : 1249.2/26

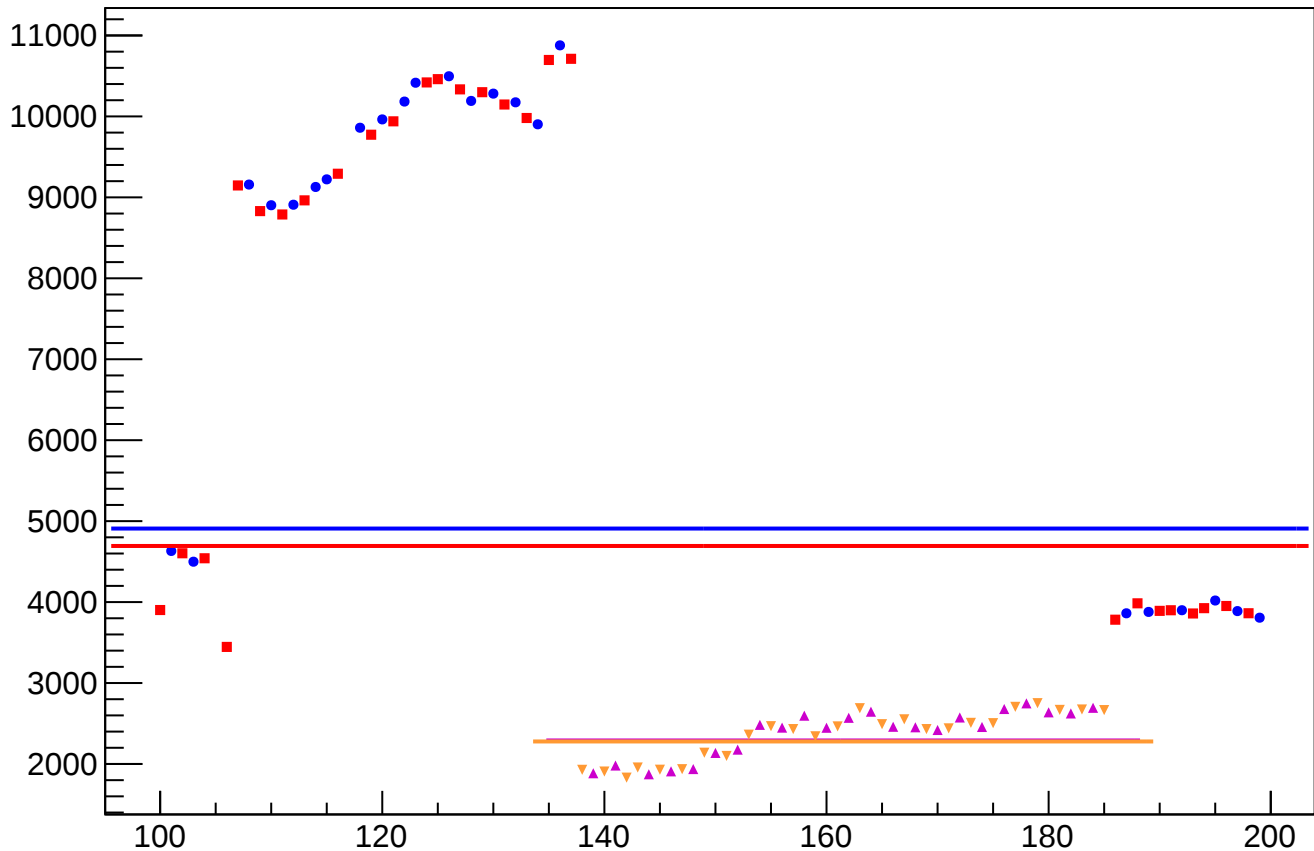
Left In: -4.141 ± 0.555 χ^2/NDF : 111.7/22

+ sign 18.172 ± 0.509 χ^2/NDF : 2392.1/47

All: 4.523 ± 0.363 χ^2/NDF : 5996.1/97

- sign -9.647 ± 0.518 χ^2/NDF : 2137.3/49

diff_bpm0l04X_rms vs Slug



Right In: 4908.432+/-1.159 χ^2/NDF : 3404468.0/22

Left Out: 2278.115+/-0.378 χ^2/NDF : 607109.4/24

Right Out: 4693.177+/-1.029 χ^2/NDF : 3585628.0/26

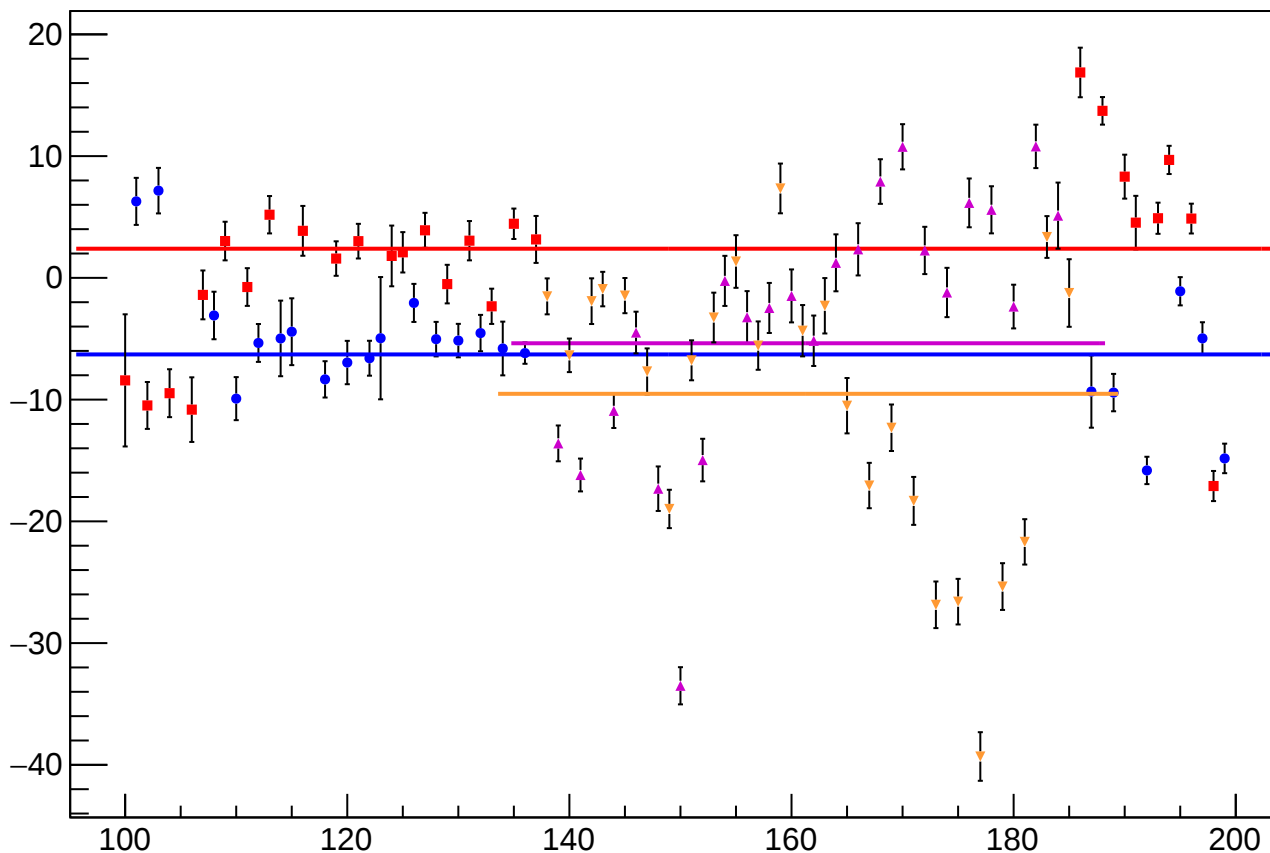
Left In: 2290.461+/-0.392 χ^2/NDF : 590272.1/22

+ sign 2531.747+/-0.360 χ^2/NDF : 8668802.4/47

All: 2562.906+/-0.257 χ^2/NDF : 17618456.4/9

- sign 2595.257+/-0.367 χ^2/NDF : 8934364.5/49

diff_bpm0l04Y_mean vs Slug



Right In: -6.289 ± 0.320 χ^2/NDF : 262.2/22

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

Right Out: 2.395 ± 0.304 χ^2/NDF : 598.2/26

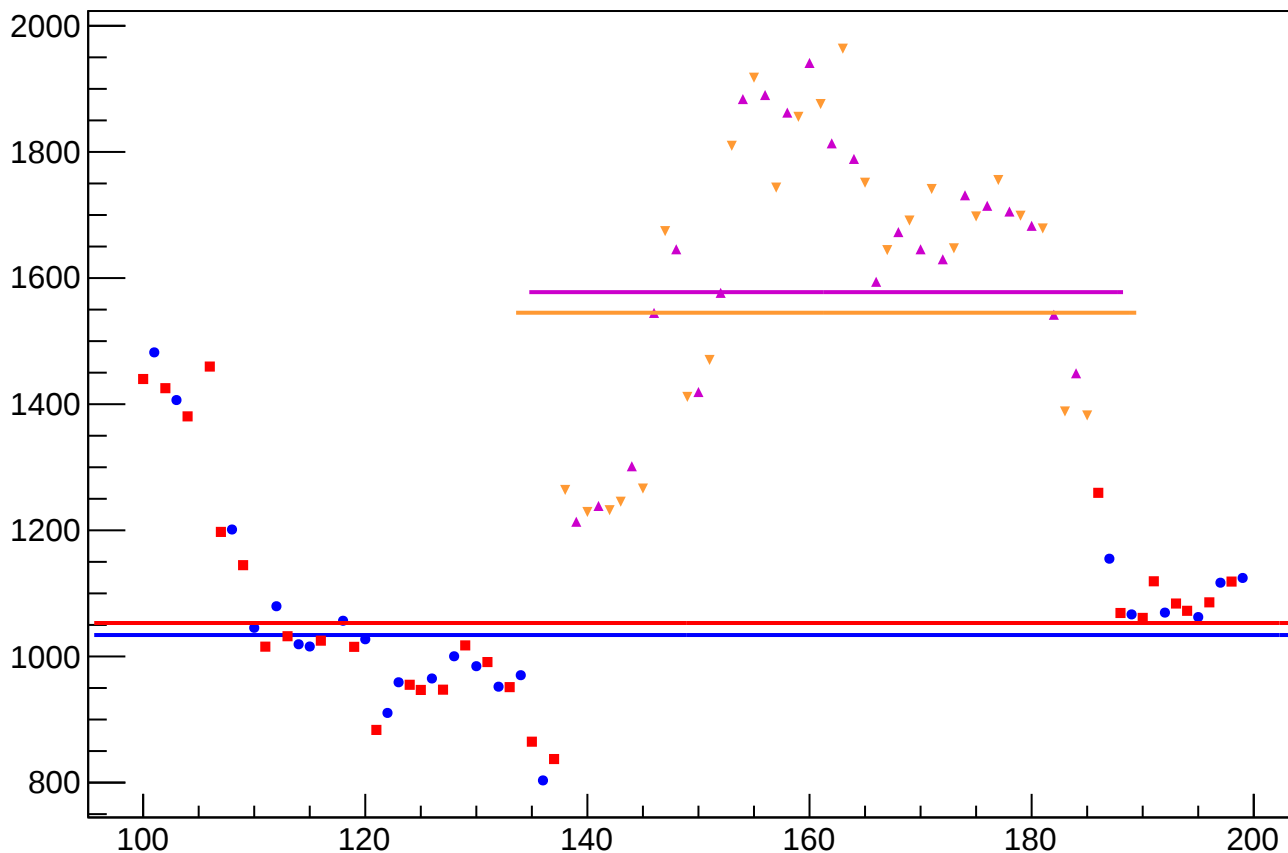
Left In: -5.372 ± 0.383 χ^2/NDF : 869.8/22

+ sign -7.694 ± 0.240 χ^2/NDF : 1190.8/47

All: -4.119 ± 0.169 χ^2/NDF : 3349.4/97

- sign -0.610 ± 0.238 χ^2/NDF : 1720.3/49

diff_bpm0l04Y_rms vs Slug



Right In: 1033.989 $\pm$ 0.226 χ^2 /NDF: 399056.8/22

Left Out: 1545.053 $\pm$ 0.258 χ^2 /NDF: 842722.3/24

Right Out: 1053.051 $\pm$ 0.215 χ^2 /NDF: 373959.2/26

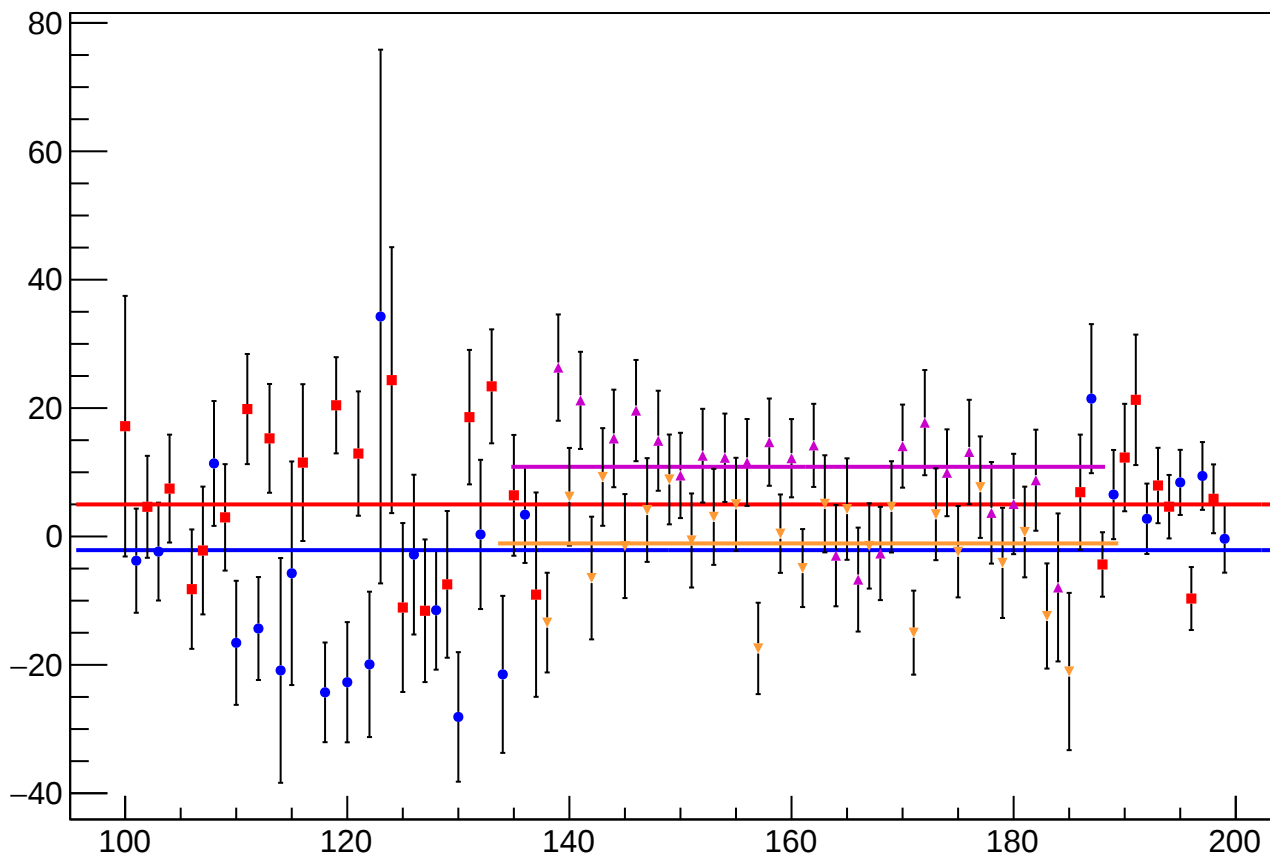
Left In: 1577.685 $\pm$ 0.271 χ^2 /NDF: 625406.2/22

+ sign 1255.960 $\pm$ 0.170 χ^2 /NDF: 3462488.9/47

All: 1255.981 $\pm$ 0.120 χ^2 /NDF: 6764042.5/97

- sign 1256.001 $\pm$ 0.168 χ^2 /NDF: 3301553.6/49

diff_bpm0l05X_mean vs Slug



Right In: -2.130 ± 1.705 $\chi^2/\text{NDF}: 50.4/22$

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

Right Out: 4.993 ± 1.553 $\chi^2/\text{NDF}: 41.3/26$

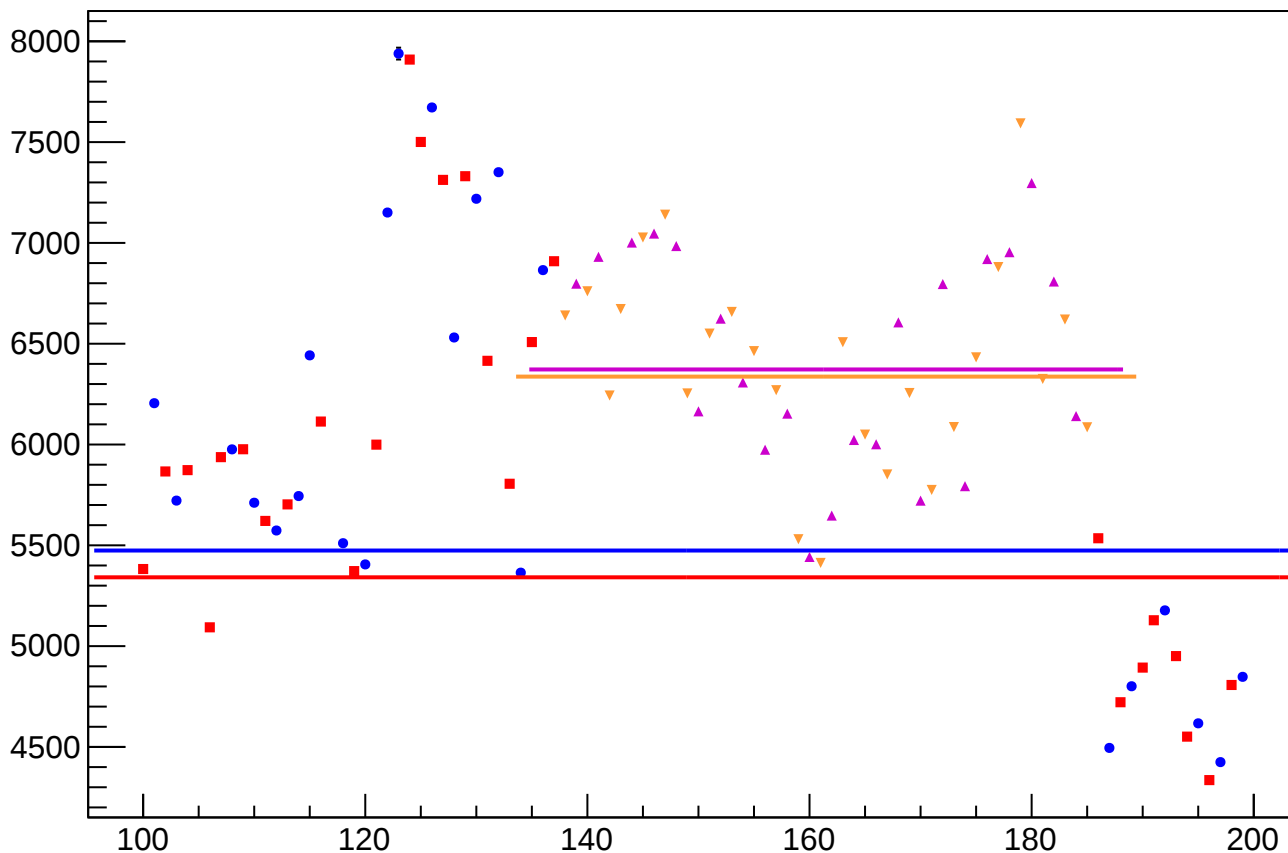
Left In: 10.851 ± 1.542 $\chi^2/\text{NDF}: 24.4/22$

+ sign -1.536 ± 1.121 $\chi^2/\text{NDF}: 78.1/47$

All: 3.318 ± 0.783 $\chi^2/\text{NDF}: 187.6/97$

- sign 7.944 ± 1.094 $\chi^2/\text{NDF}: 72.9/49$

diff_bpm0l05X_rms vs Slug



Right In: 5474.235 $\pm$ 1.206 χ^2 /NDF: 555096.7/22

Left Out: 6336.876 $\pm$ 1.052 χ^2 /NDF: 222912.5/24

Right Out: 5341.325 $\pm$ 1.098 χ^2 /NDF: 546775.4/26

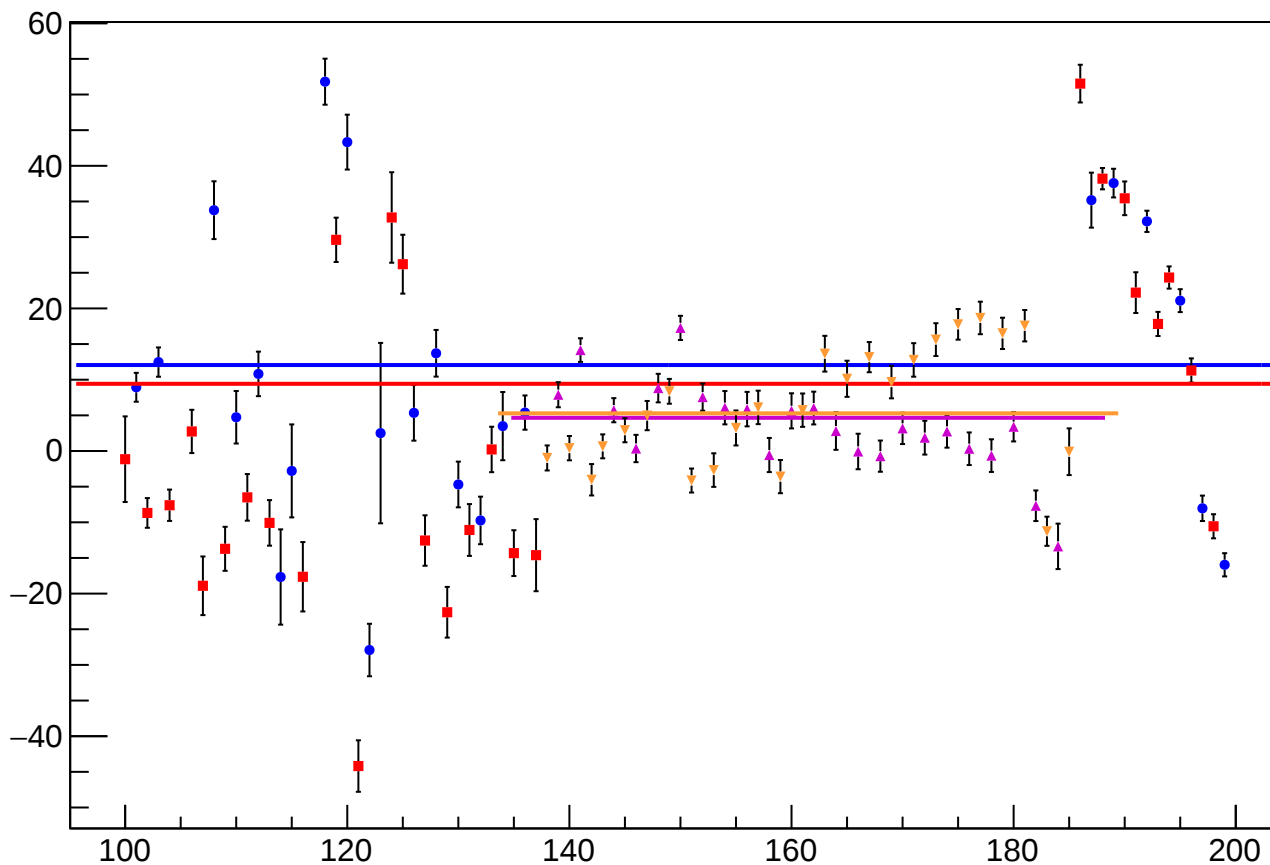
Left In: 6372.349 $\pm$ 1.090 χ^2 /NDF: 247257.0/22

+ sign 5964.140 $\pm$ 0.792 χ^2 /NDF: 1068779.1/47

All: 5911.173 $\pm$ 0.554 χ^2 /NDF: 2315472.7/97

- sign 5860.686 $\pm$ 0.774 χ^2 /NDF: 1237967.9/49

diff_bpm0l05Y_mean vs Slug



Right In: 12.058 ± 0.541 $\chi^2/\text{NDF}: 1315.4/22$

Left Out: 5.284 ± 0.421 $\chi^2/\text{NDF}: 366.1/24$

Right Out: 9.426 ± 0.497 $\chi^2/\text{NDF}: 1890.6/26$

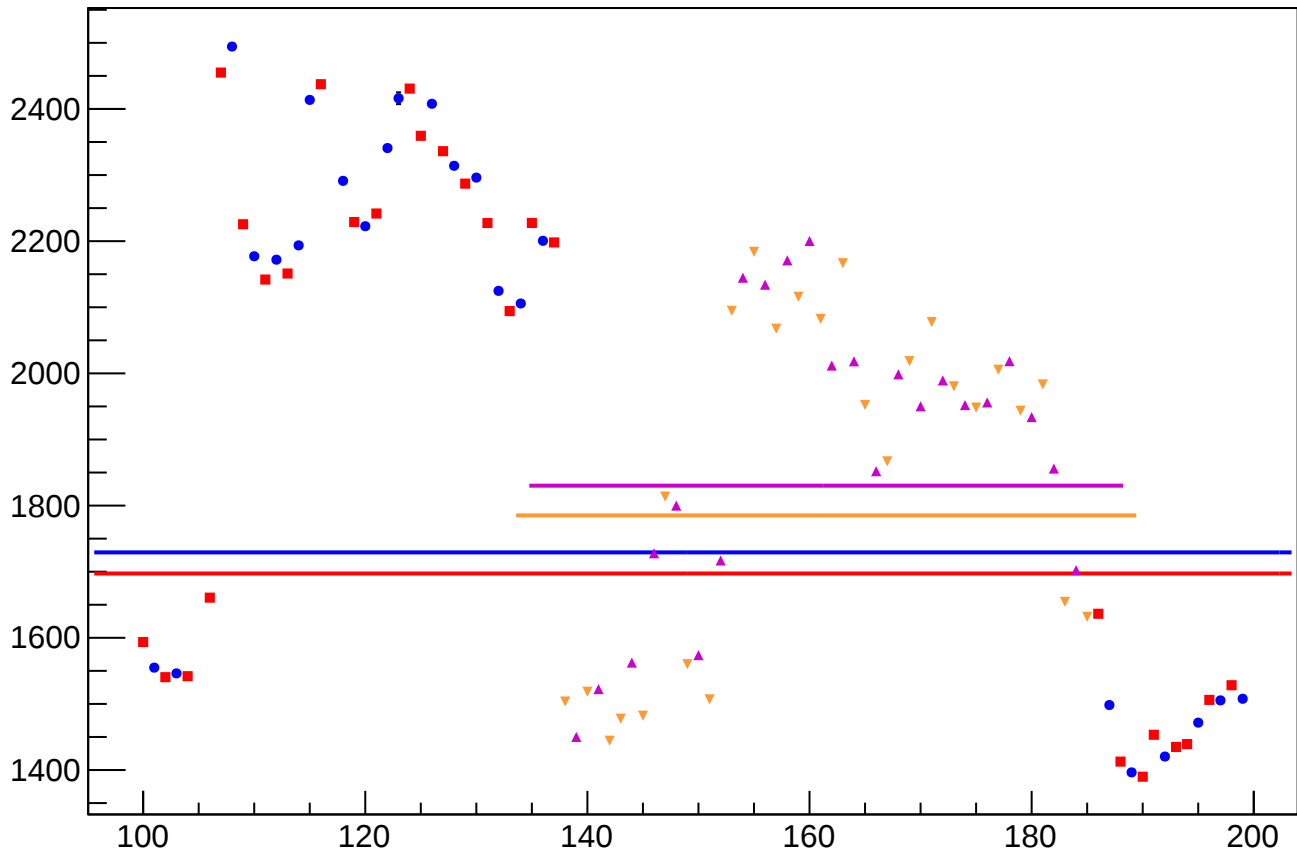
Left In: 4.657 ± 0.443 $\chi^2/\text{NDF}: 196.5/22$

+ sign 7.836 ± 0.332 $\chi^2/\text{NDF}: 1779.1/47$

All: 7.302 ± 0.234 $\chi^2/\text{NDF}: 3922.7/97$

- sign 6.772 ± 0.331 $\chi^2/\text{NDF}: 2138.4/49$

diff_bpm0l05Y_rms vs Slug



Right In: 1729.210+/-0.383 χ^2/NDF : 930270.9/22

Left Out: 1785.179+/-0.297 χ^2/NDF : 750628.1/24

Right Out: 1697.276+/-0.351 χ^2/NDF : 992597.5/26

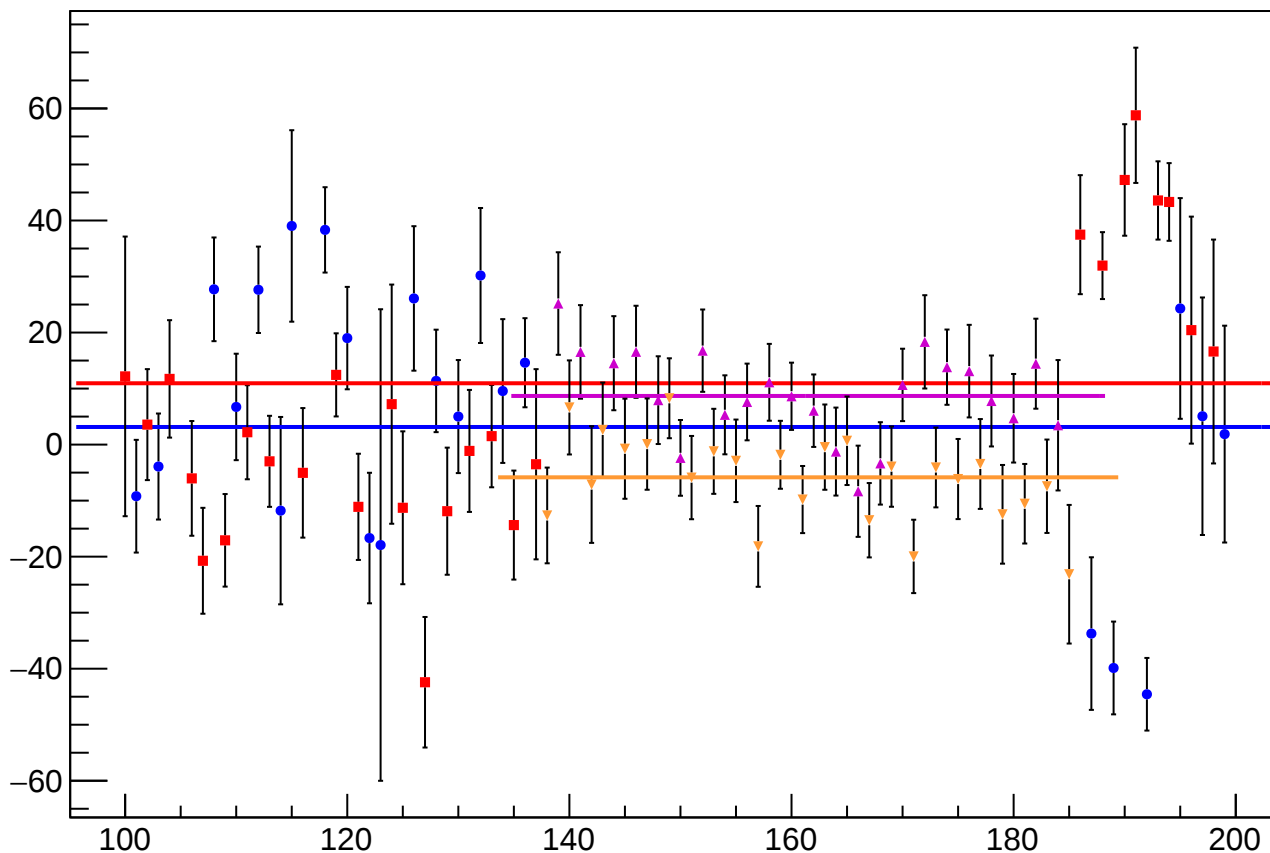
Left In: 1830.160+/-0.313 χ^2/NDF : 508391.9/22

+ sign 1764.098+/-0.235 χ^2/NDF : 1694232.9/47

All: 1767.678+/-0.166 χ^2/NDF : 3275372.7/97

- sign 1771.227+/-0.234 χ^2/NDF : 1580677.1/49

diff_bpm0l06X_mean vs Slug



Right In: 3.144 ± 2.169 $\chi^2/\text{NDF}: 153.1/22$

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

Right Out: 10.948 ± 1.891 $\chi^2/\text{NDF}: 166.5/26$

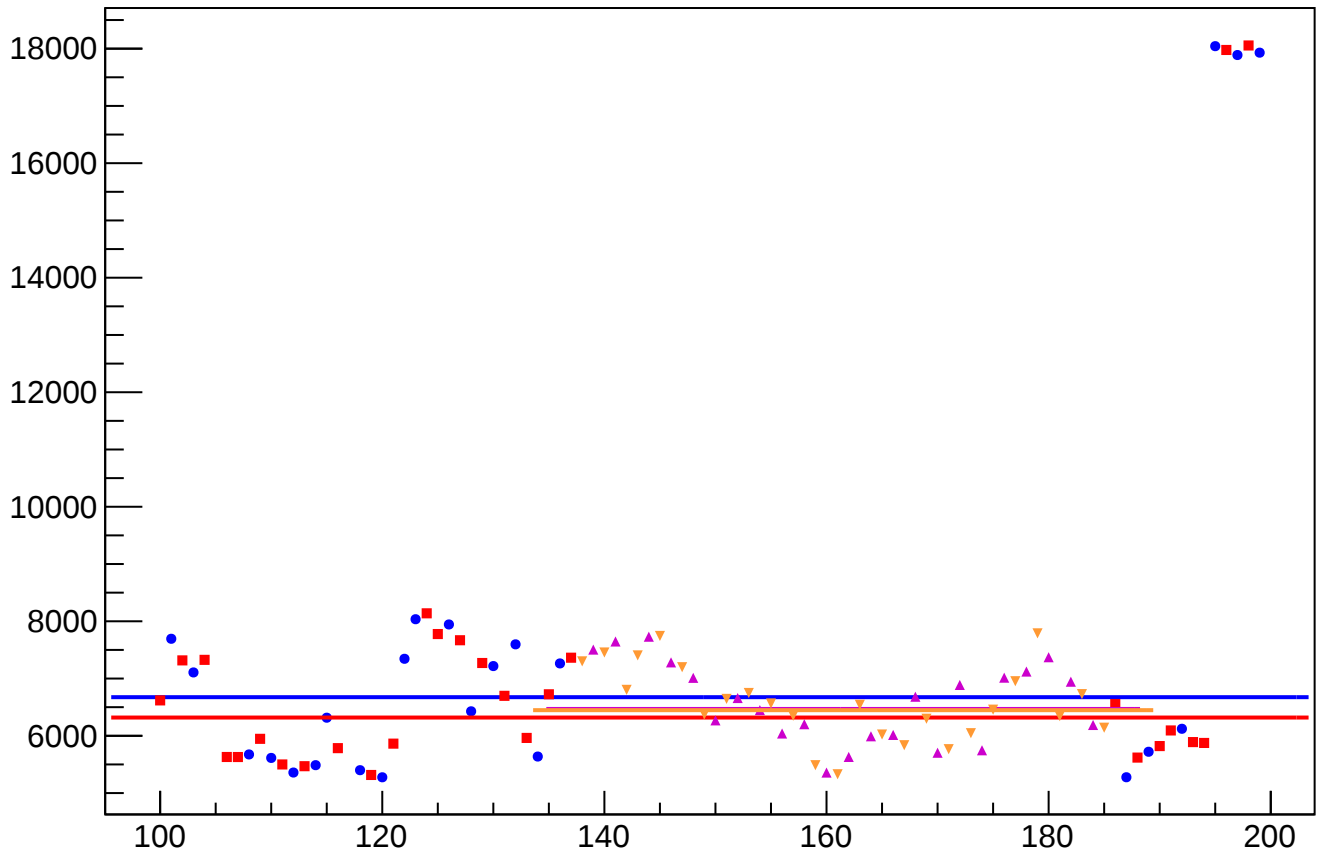
Left In: 8.683 ± 1.571 $\chi^2/\text{NDF}: 21.9/22$

+ sign -2.885 ± 1.244 $\chi^2/\text{NDF}: 187.9/47$

All: 3.543 ± 0.867 $\chi^2/\text{NDF}: 429.1/97$

- sign 9.608 ± 1.208 $\chi^2/\text{NDF}: 189.2/49$

diff_bpm0l06X_rms vs Slug



Right In: 6674.589+/-1.534 χ^2/NDF : 2280834.1/22

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

Right Out: 6319.011+/-1.337 χ^2/NDF : 1646162.2/26

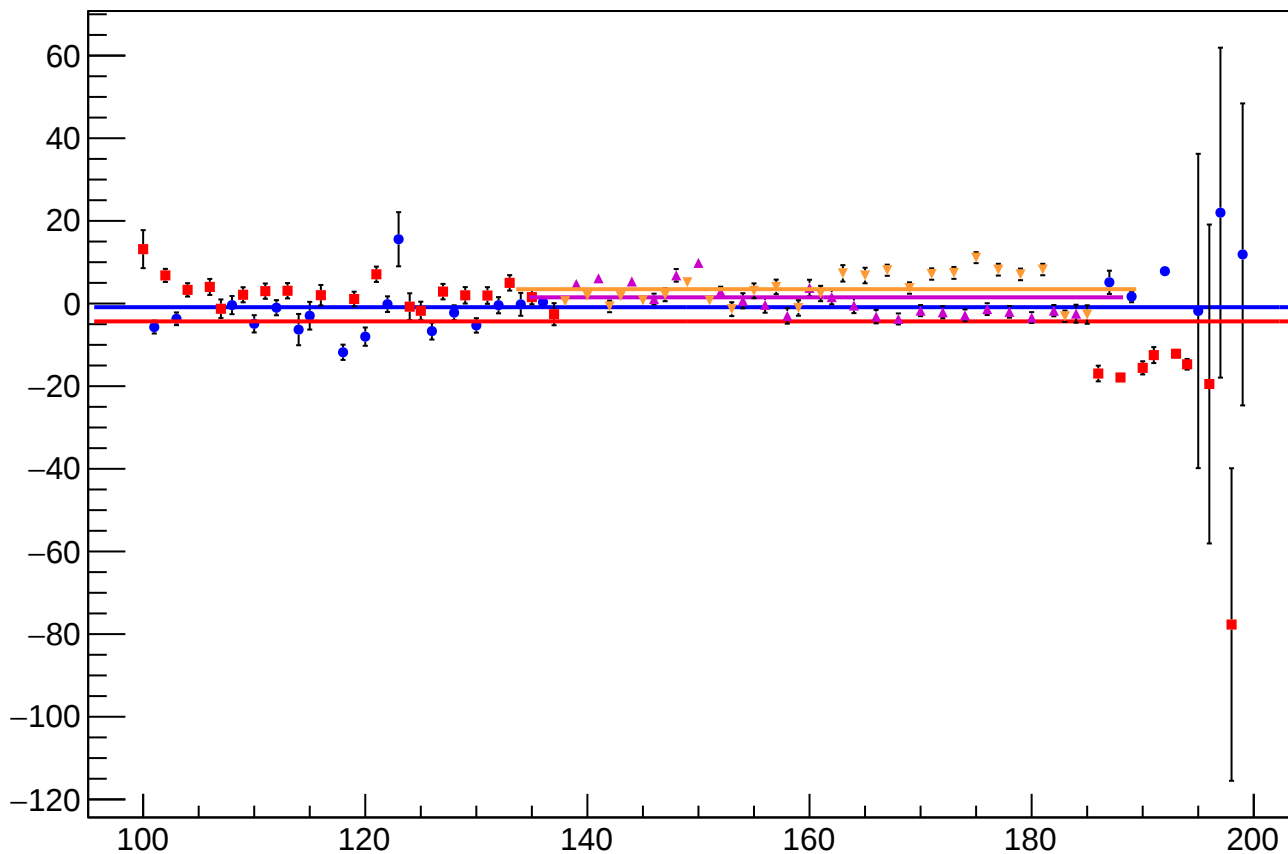
Left In: 6468.902+/-1.111 χ^2/NDF : 383325.4/22

+ sign 6522.329+/-0.880 χ^2/NDF : 2667192.6/47

All: 6463.356+/-0.613 χ^2/NDF : 4712854.8/97

- sign 6407.712+/-0.854 χ^2/NDF : 2036924.0/49

diff_bpm0l06Y_mean vs Slug



Right In: -0.887 ± 0.406 χ^2/NDF : 171.8/22

Left Out: 3.470 ± 0.276 χ^2/NDF : 176.0/24

Right Out: -4.322 ± 0.355 χ^2/NDF : 666.0/26

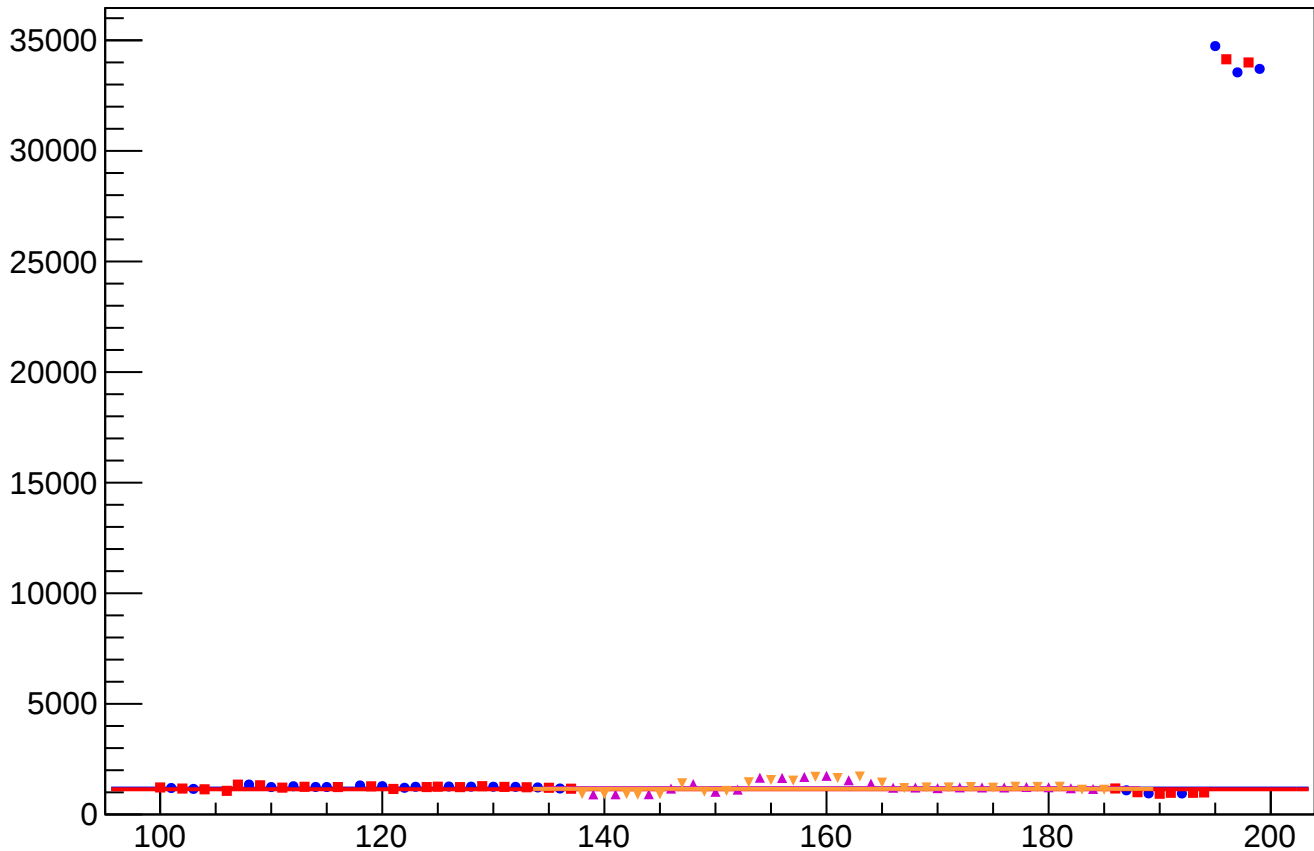
Left In: 1.502 ± 0.291 χ^2/NDF : 202.7/22

+ sign 2.090 ± 0.228 χ^2/NDF : 426.5/47

All: 0.602 ± 0.160 χ^2/NDF : 1540.0/97

- sign -0.838 ± 0.225 χ^2/NDF : 1030.0/49

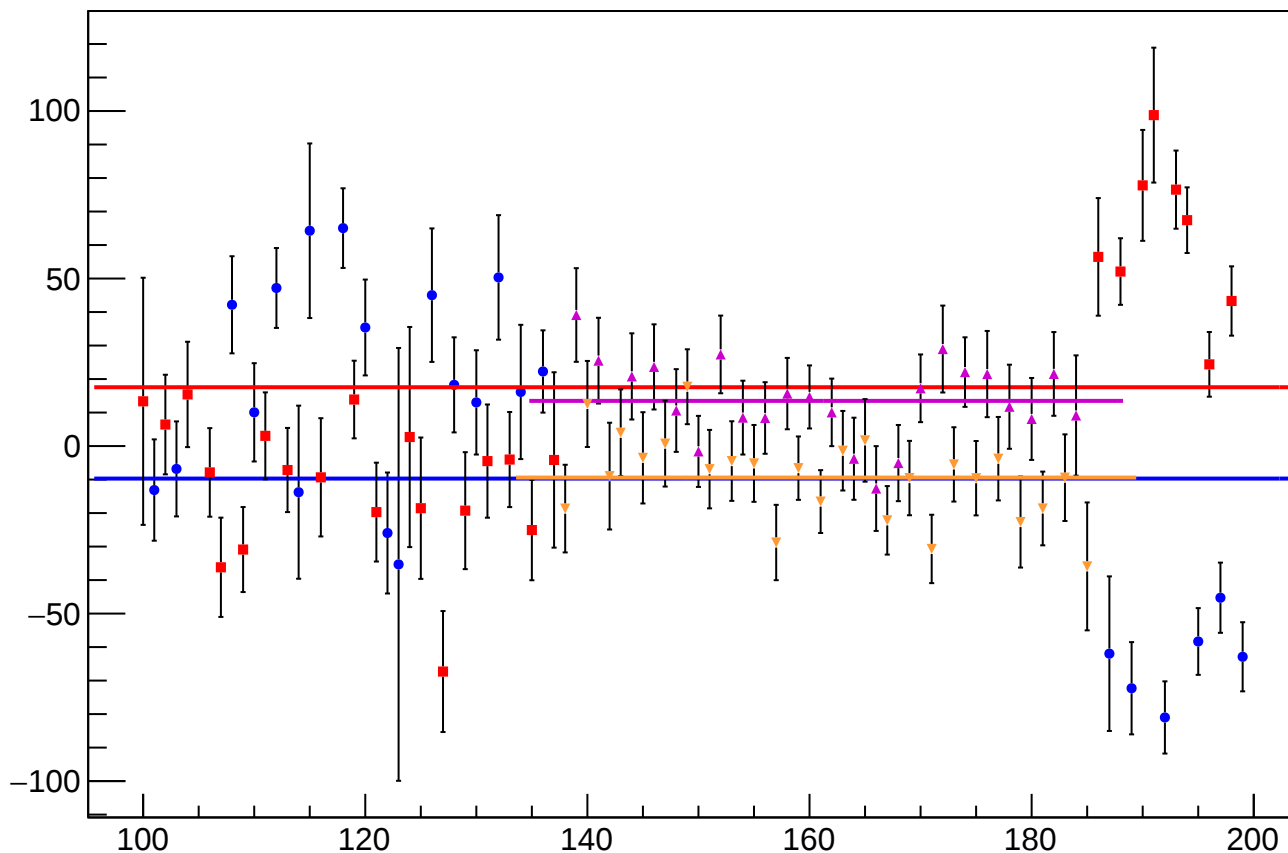
diff_bpm0l06Y_rms vs Slug



Right In: 1170.207 $\pm$ 0.287 χ^2 /NDF: 4669337.7/22
 Left Out: 1158.894 $\pm$ 0.195 χ^2 /NDF: 1410423.6/24
 Right Out: 1138.183 $\pm$ 0.251 χ^2 /NDF: 3214522.0/26
 Left In: 1184.966 $\pm$ 0.206 χ^2 /NDF: 1190431.5/22

+ sign 1162.480 $\pm$ 0.162 χ^2 /NDF: 6080823.4/47
 All: 1164.353 $\pm$ 0.113 χ^2 /NDF: 10506864.6/9
 - sign 1166.167 $\pm$ 0.159 χ^2 /NDF: 4425776.4/49

diff_bpm0l07X_mean vs Slug



Right In: -9.706 ± 2.988 $\chi^2/\text{NDF}: 260.0/22$

Left Out: -9.398 ± 2.358 $\chi^2/\text{NDF}: 26.3/24$

Right Out: 17.559 ± 2.726 $\chi^2/\text{NDF}: 193.1/26$

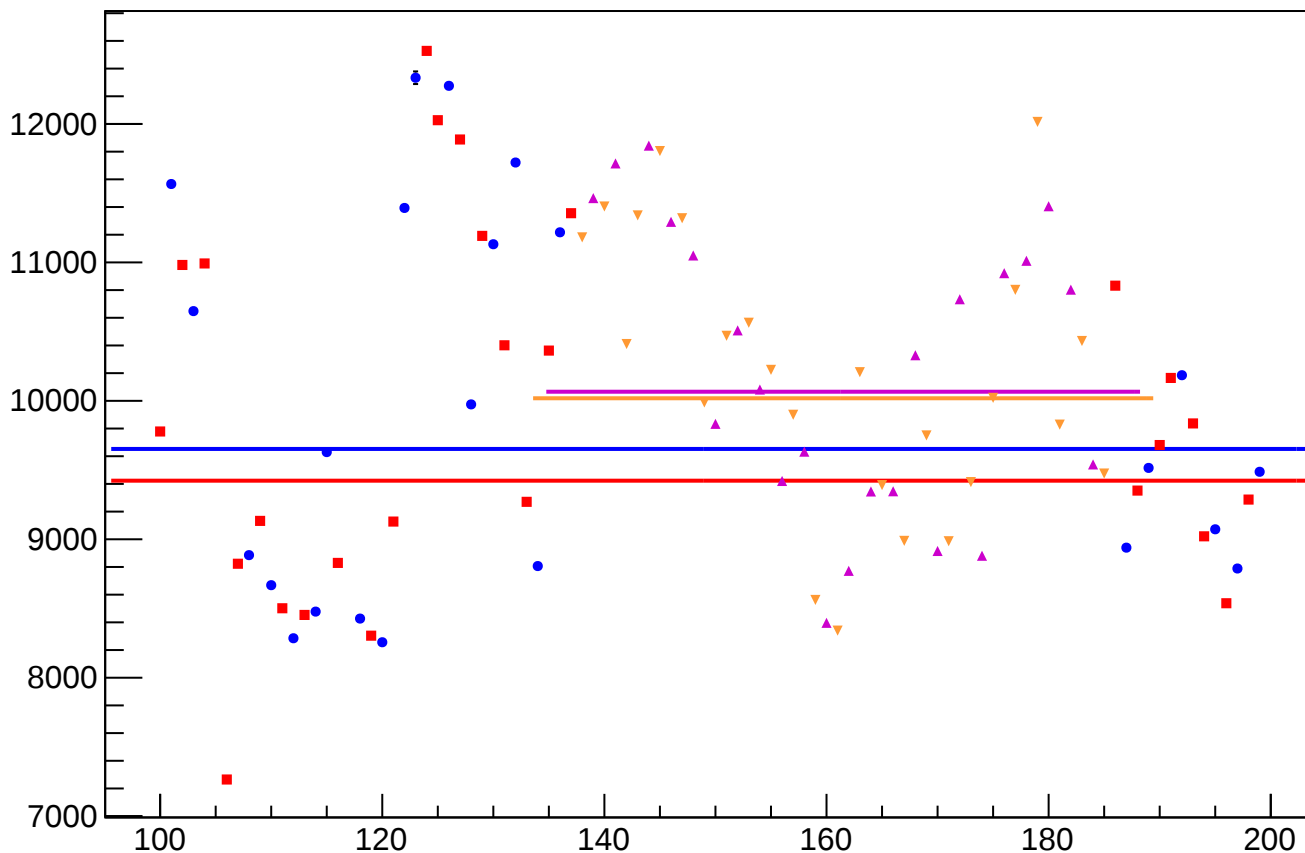
Left In: 13.485 ± 2.443 $\chi^2/\text{NDF}: 21.6/22$

+ sign -9.516 ± 1.851 $\chi^2/\text{NDF}: 286.3/47$

All: 3.108 ± 1.298 $\chi^2/\text{NDF}: 593.6/97$

- sign 15.299 ± 1.819 $\chi^2/\text{NDF}: 215.9/49$

diff_bpm0l07X_rms vs Slug



Right In: 9652.585 $\pm$ 2.113 χ^2 /NDF: 291797.0/22

Left Out: 10018.563 $\pm$ 1.668 χ^2 /NDF: 344534.6/24

Right Out: 9423.329 $\pm$ 1.928 χ^2 /NDF: 314543.3/26

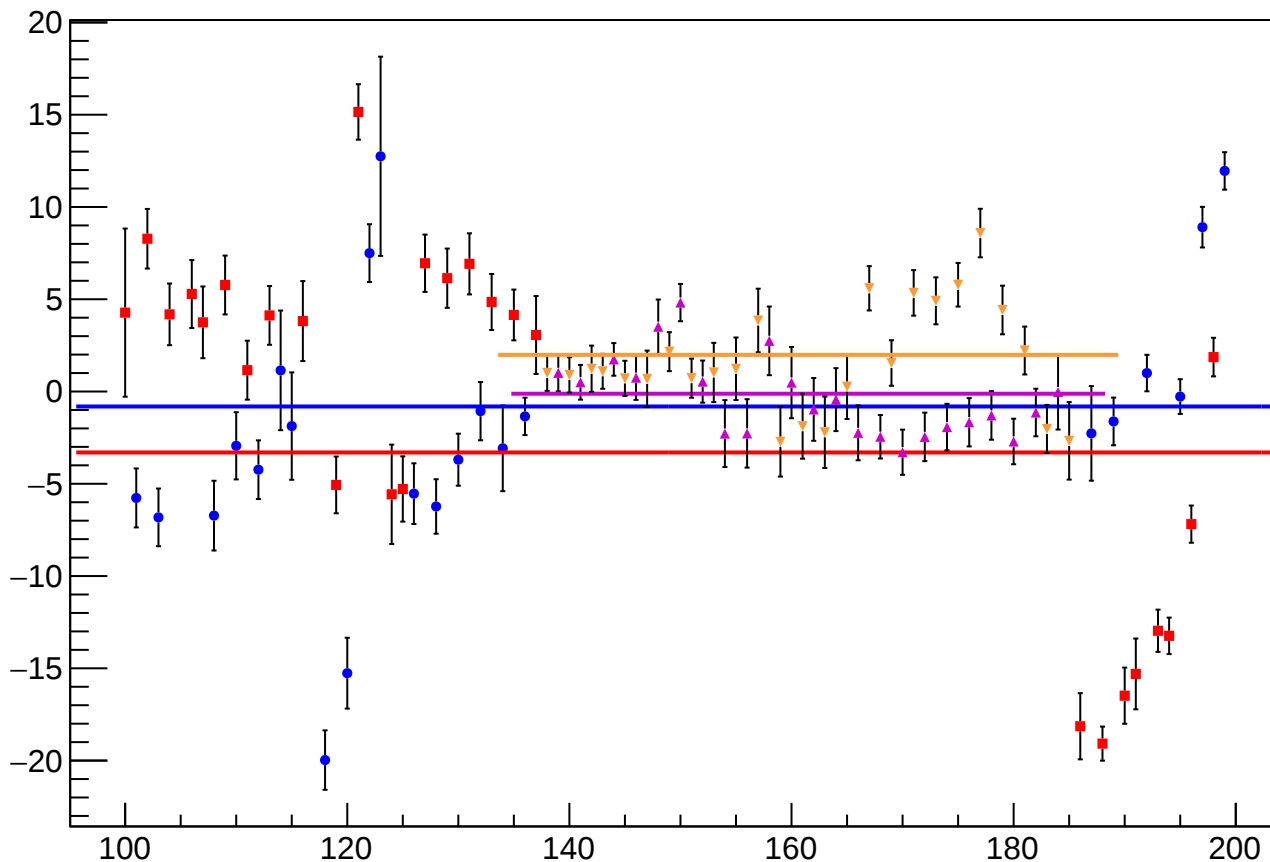
Left In: 10065.909 $\pm$ 1.727 χ^2 /NDF: 357868.9/22

+ sign 9878.061 $\pm$ 1.309 χ^2 /NDF: 654820.1/47

All: 9828.032 $\pm$ 0.918 χ^2 /NDF: 1391739.7/97

- sign 9779.716 $\pm$ 1.286 χ^2 /NDF: 734048.1/49

diff_bpm0l07Y_mean vs Slug



Right In: -0.811 ± 0.306 χ^2/NDF : 541.1/22

Left Out: 1.985 ± 0.255 χ^2/NDF : 101.2/24

Right Out: -3.302 ± 0.285 χ^2/NDF : 1205.5/26

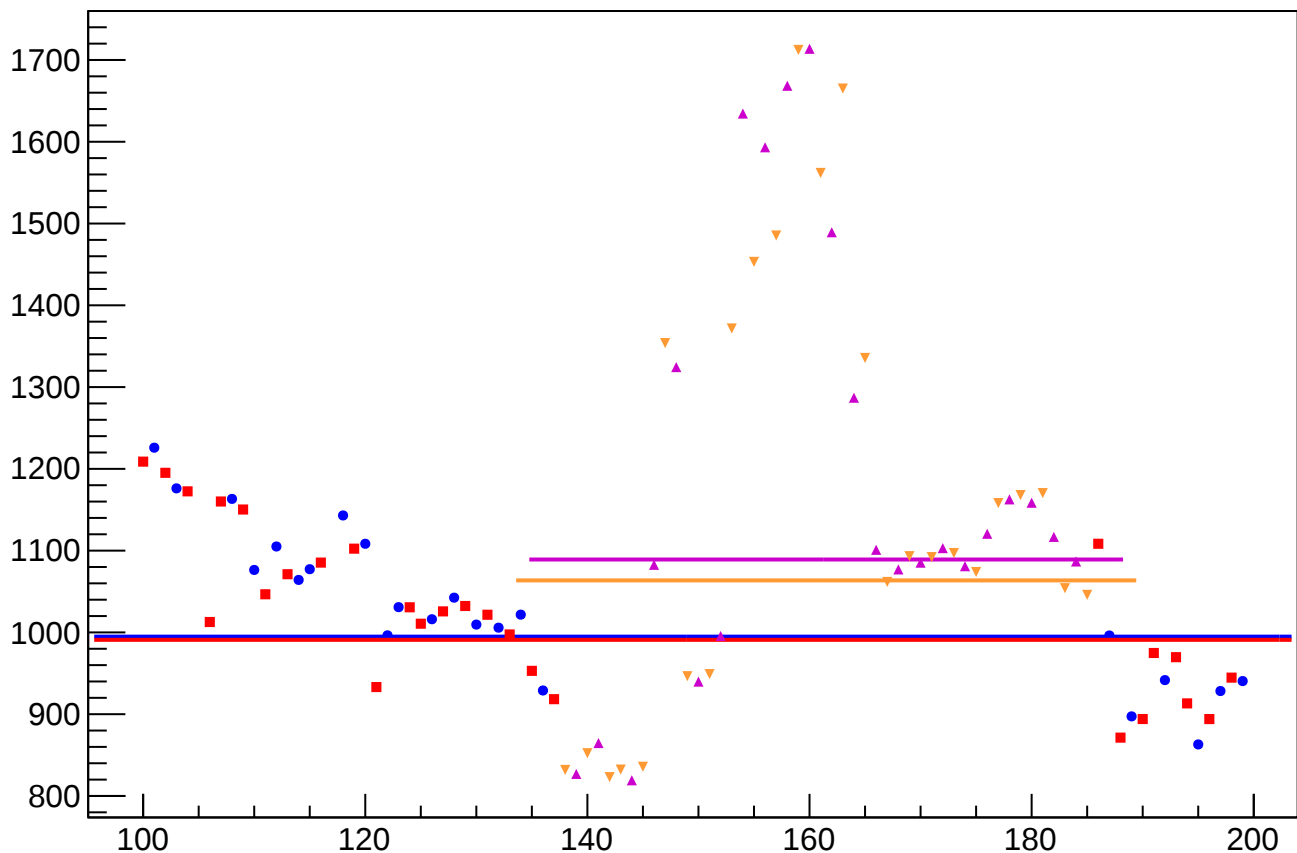
Left In: -0.120 ± 0.269 χ^2/NDF : 67.6/22

+ sign 0.840 ± 0.196 χ^2/NDF : 691.6/47

All: -0.390 ± 0.138 χ^2/NDF : 2109.5/97

- sign -1.616 ± 0.196 χ^2/NDF : 1339.1/49

diff_bpm0l07Y_rms vs Slug



Right In: 994.836+/-0.216 χ^2/NDF : 205591.7/22

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

Right Out: 990.922+/-0.202 χ^2/NDF : 213812.3/26

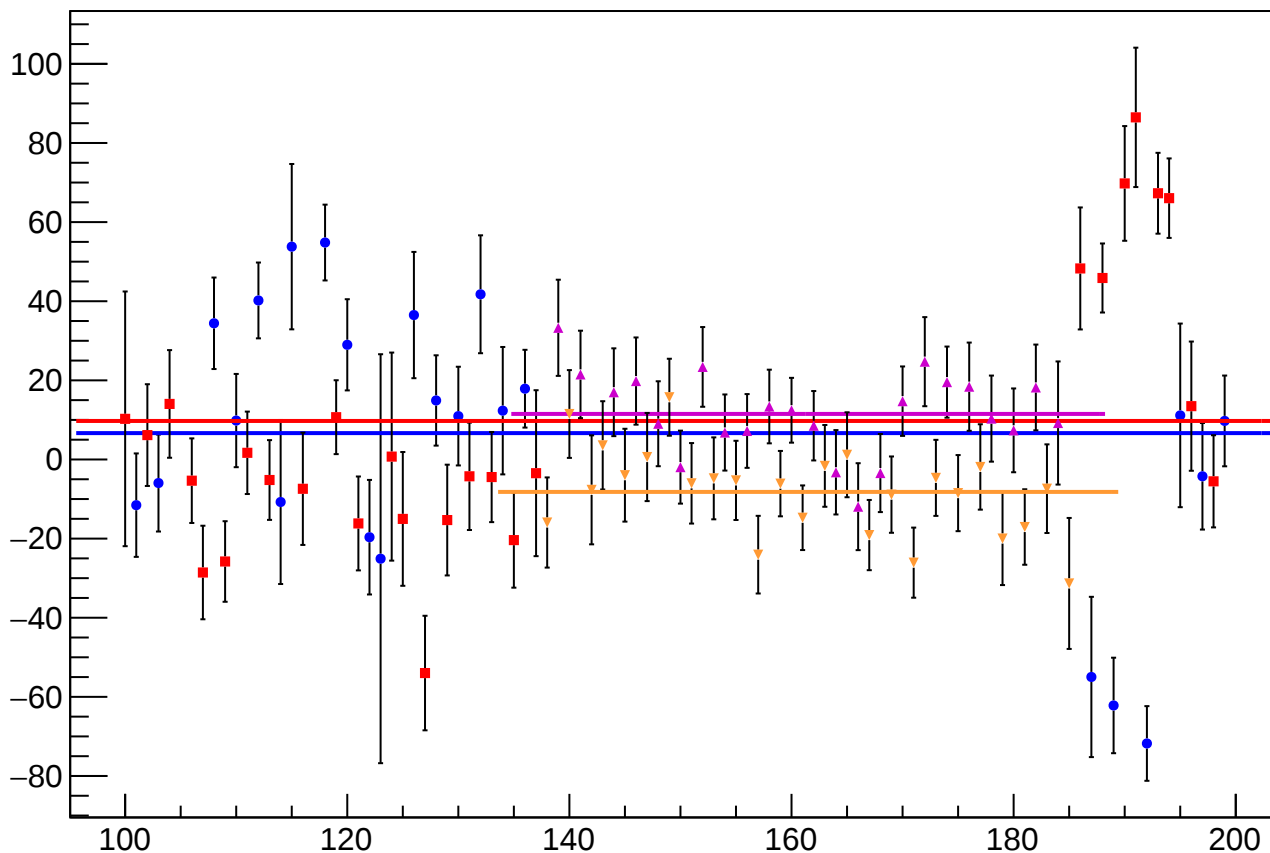
Left In: 1089.154+/-0.190 χ^2/NDF : 1430478.5/22

+ sign 1035.445+/-0.138 χ^2/NDF : 1882606.0/47

All: 1039.208+/-0.098 χ^2/NDF : 3654072.6/97

- sign 1042.963+/-0.138 χ^2/NDF : 1769990.7/49

diff_bpm0l08X_mean vs Slug



Right In: 6.666 ± 2.687 $\chi^2/\text{NDF}: 182.3/22$

Left Out: -8.195 ± 2.049 $\chi^2/\text{NDF}: 26.2/24$

Right Out: 9.737 ± 2.400 $\chi^2/\text{NDF}: 192.4/26$

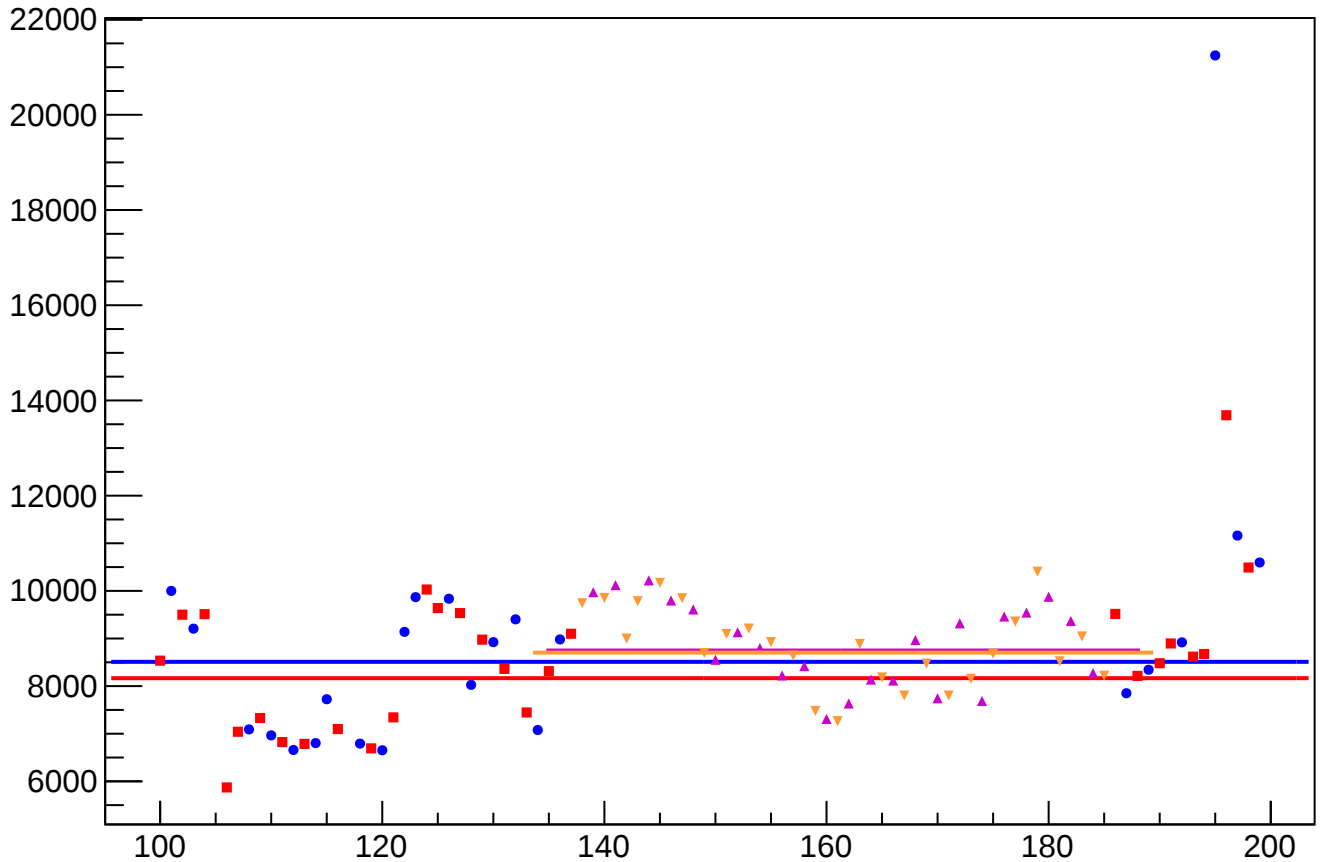
Left In: 11.515 ± 2.122 $\chi^2/\text{NDF}: 21.0/22$

+ sign -2.732 ± 1.629 $\chi^2/\text{NDF}: 227.8/47$

All: 4.166 ± 1.138 $\chi^2/\text{NDF}: 476.6/97$

- sign 10.735 ± 1.590 $\chi^2/\text{NDF}: 213.8/49$

diff_bpm0l08X_rms vs Slug



Right In: 8509.958 ± 1.900 $\chi^2/\text{NDF}: 1108893.3/22$

Left Out: 8704.193 ± 1.449 $\chi^2/\text{NDF}: 332364.3/24$

Right Out: 8166.526 ± 1.697 $\chi^2/\text{NDF}: 706134.5/26$

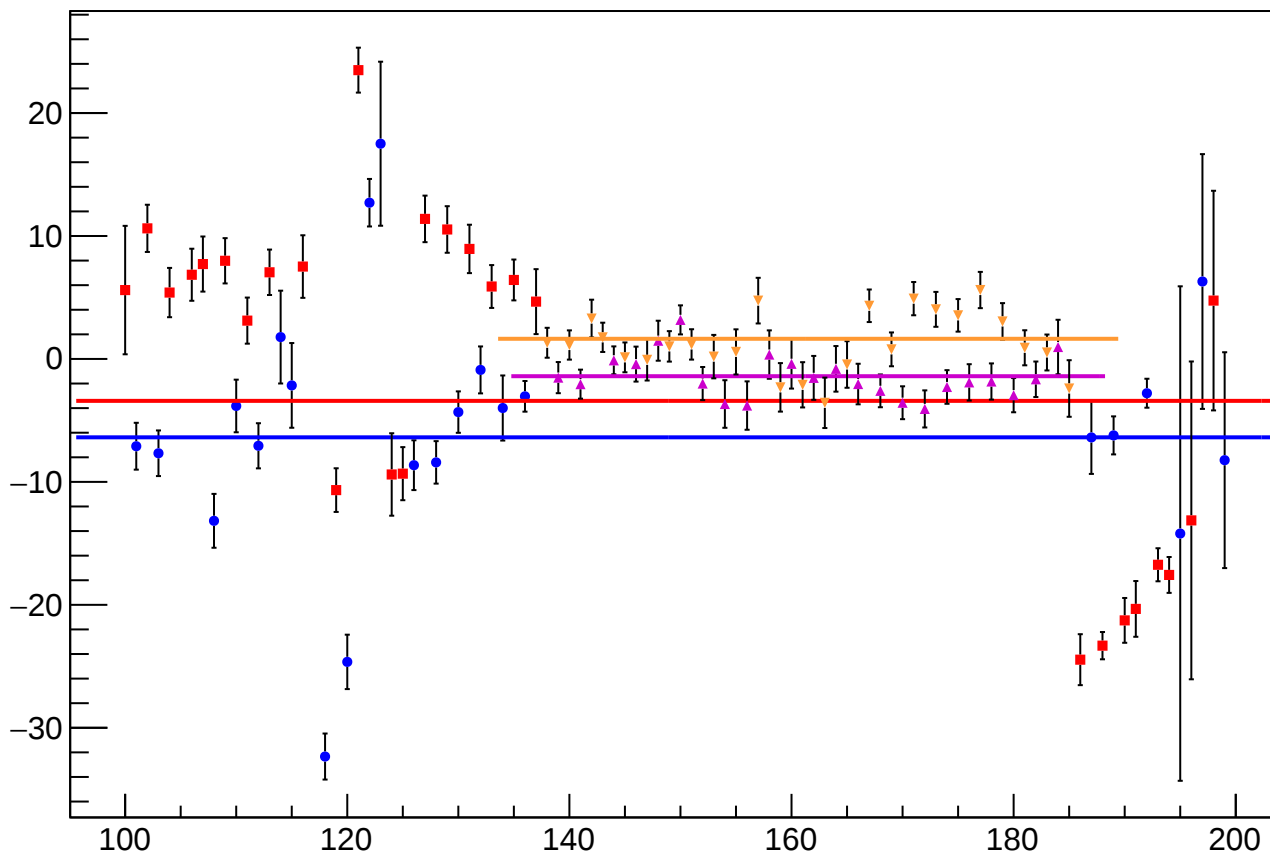
Left In: 8747.415 ± 1.501 $\chi^2/\text{NDF}: 347110.4/22$

+ sign 8632.790 ± 1.152 $\chi^2/\text{NDF}: 1447866.6/47$

All: 8560.925 ± 0.805 $\chi^2/\text{NDF}: 2574461.7/97$

- sign 8492.486 ± 1.124 $\chi^2/\text{NDF}: 1118997.0/49$

diff_bpm0l08Y_mean vs Slug



Right In: -6.376 ± 0.427 $\chi^2/\text{NDF}: 420.0/22$

Left Out: 1.639 ± 0.294 $\chi^2/\text{NDF}: 51.3/24$

Right Out: -3.410 ± 0.374 $\chi^2/\text{NDF}: 1467.3/26$

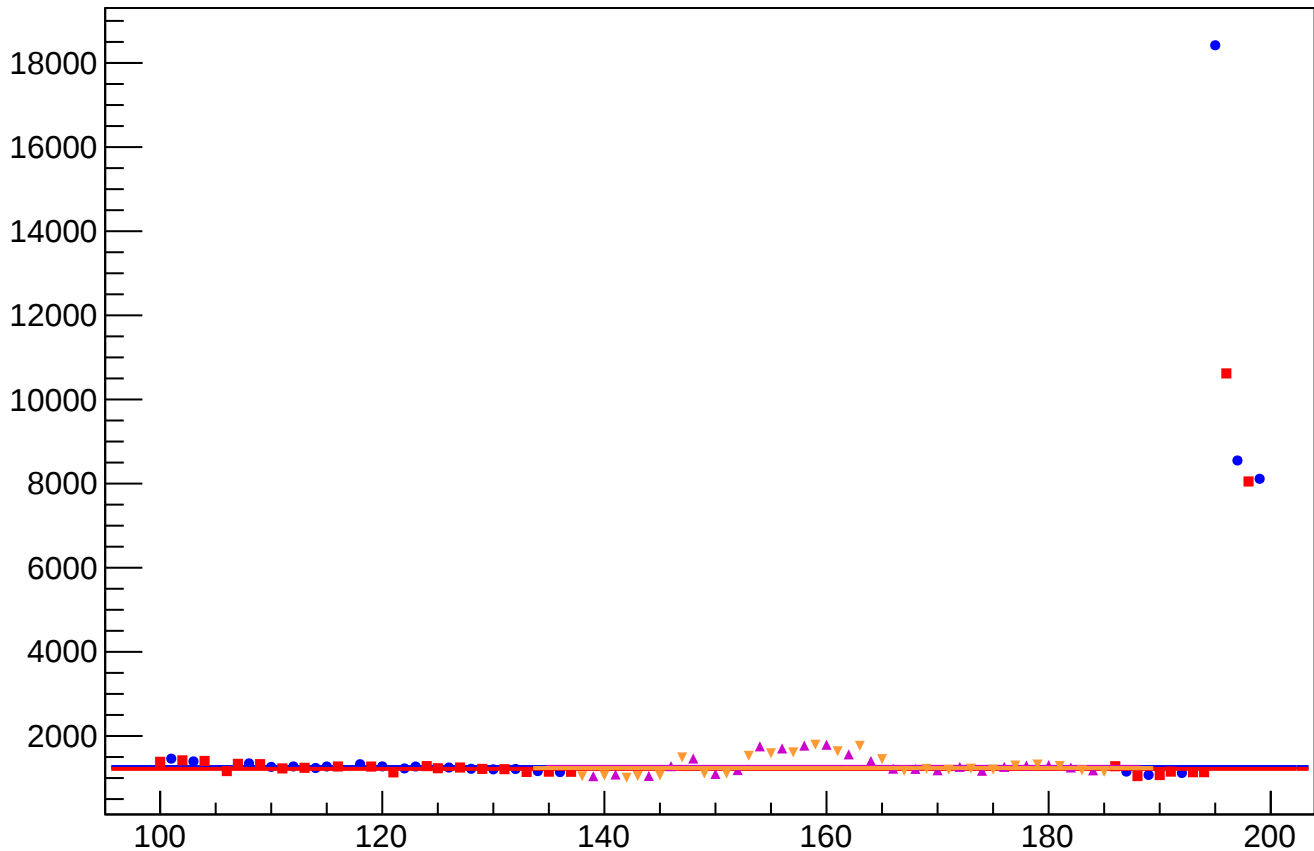
Left In: -1.404 ± 0.309 $\chi^2/\text{NDF}: 34.1/22$

+ sign -0.936 ± 0.242 $\chi^2/\text{NDF}: 710.8/47$

All: -1.587 ± 0.170 $\chi^2/\text{NDF}: 2243.6/97$

- sign -2.218 ± 0.238 $\chi^2/\text{NDF}: 1518.5/49$

diff_bpm0l08Y_rms vs Slug



Right In: 1261.374+/-0.302 χ^2/NDF : 3789804.4/22

Left Out: 1238.437+/-0.208 χ^2/NDF : 965173.0/24

Right Out: 1218.405+/-0.264 χ^2/NDF : 2379032.6/26

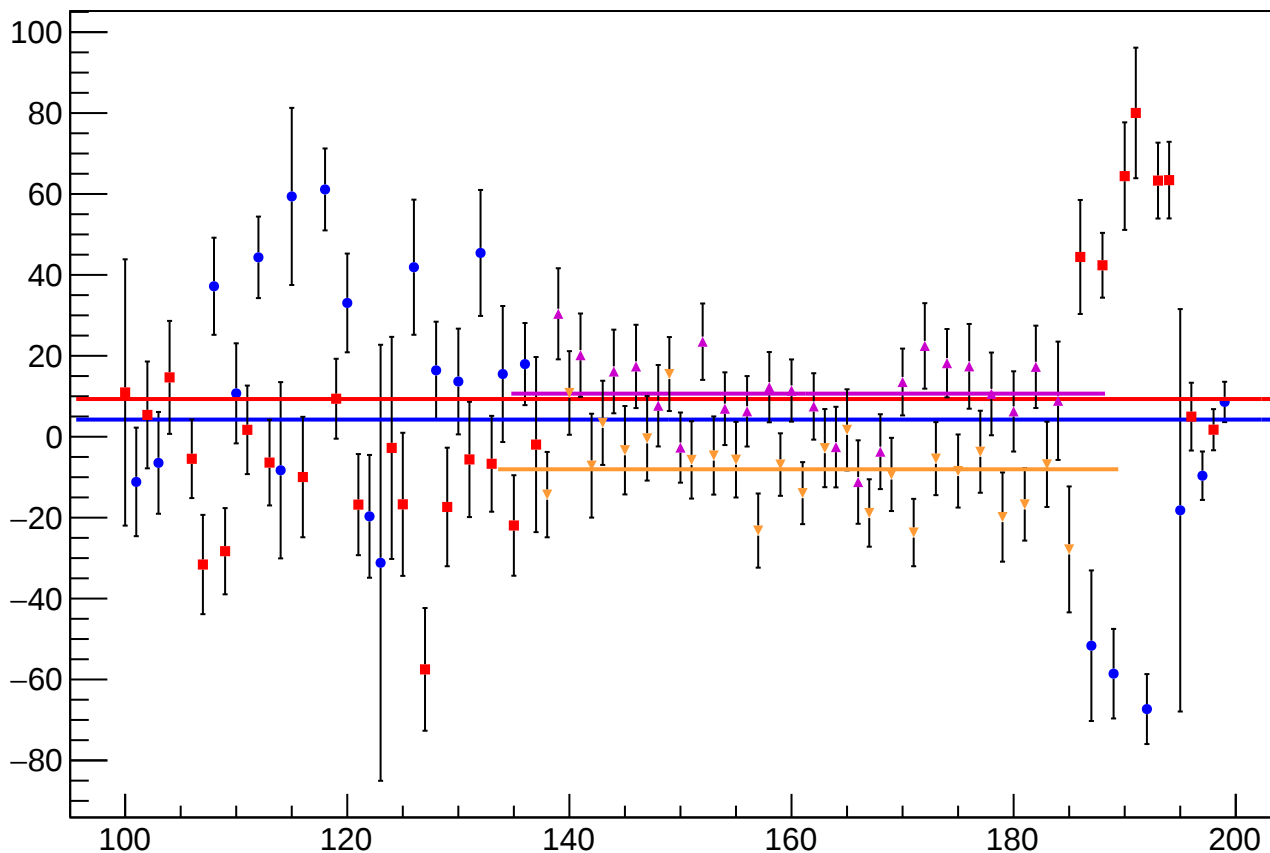
Left In: 1265.673+/-0.218 χ^2/NDF : 845157.0/22

+ sign 1245.807+/-0.171 χ^2/NDF : 4758899.6/47

All: 1246.150+/-0.120 χ^2/NDF : 8002100.7/97

- sign 1246.482+/-0.168 χ^2/NDF : 3243193.2/49

diff_bpm0l09X_mean vs Slug



Right In: 4.240 ± 2.311 $\chi^2/\text{NDF}: 204.4/22$

Left Out: -8.042 ± 1.918 $\chi^2/\text{NDF}: 26.3/24$

Right Out: 9.318 ± 2.151 $\chi^2/\text{NDF}: 197.4/26$

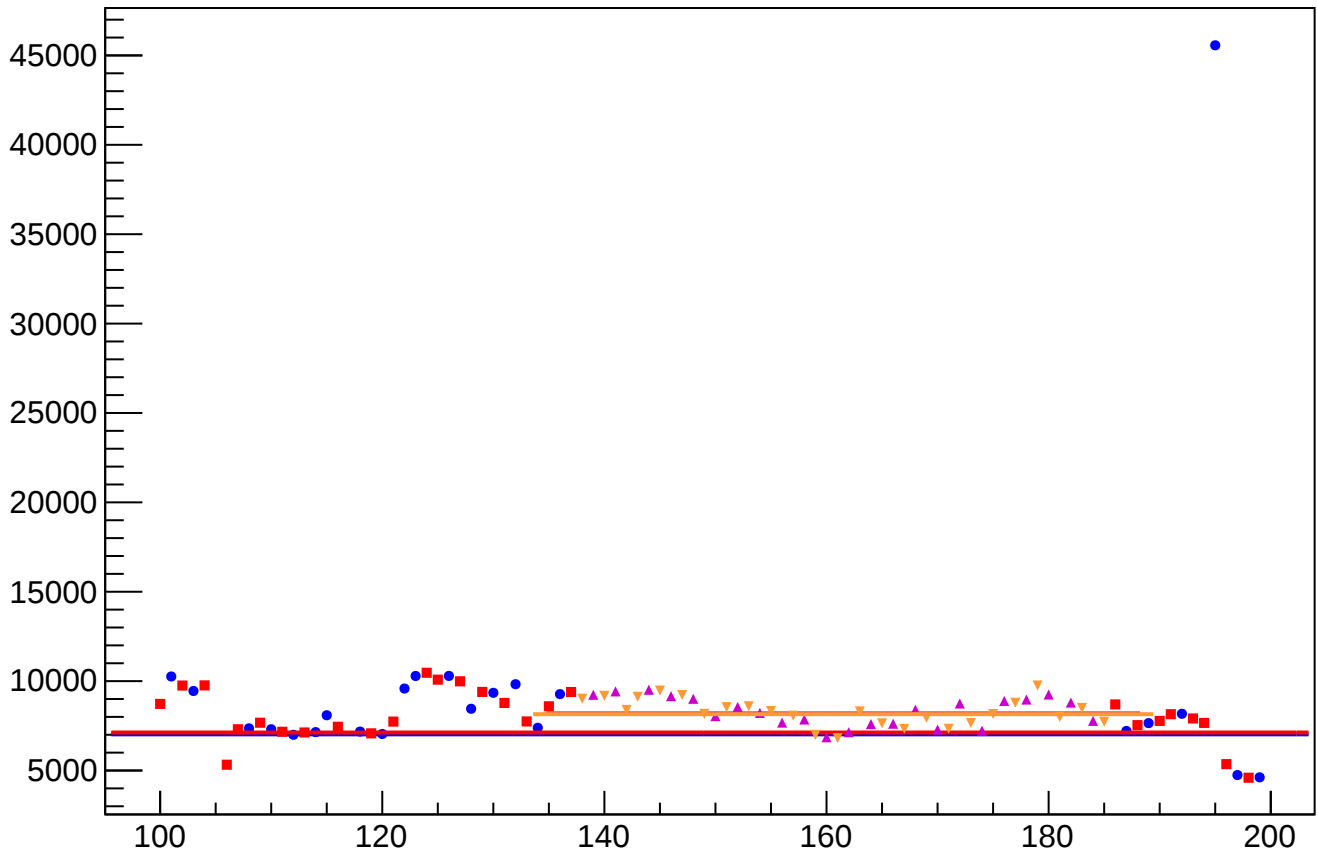
Left In: 10.653 ± 1.988 $\chi^2/\text{NDF}: 21.4/22$

+ sign -3.031 ± 1.476 $\chi^2/\text{NDF}: 247.4/47$

All: 3.575 ± 1.038 $\chi^2/\text{NDF}: 506.1/97$

- sign 10.038 ± 1.460 $\chi^2/\text{NDF}: 219.0/49$

diff_bpm0l09X_rms vs Slug



Right In: 7023.427 $\pm$ 1.634 χ^2 /NDF: 2593331.4/22

Left Out: 8151.489 $\pm$ 1.356 χ^2 /NDF:321803.3/24

Right Out: 7125.582 $\pm$ 1.521 χ^2 /NDF: 1170361.9/26

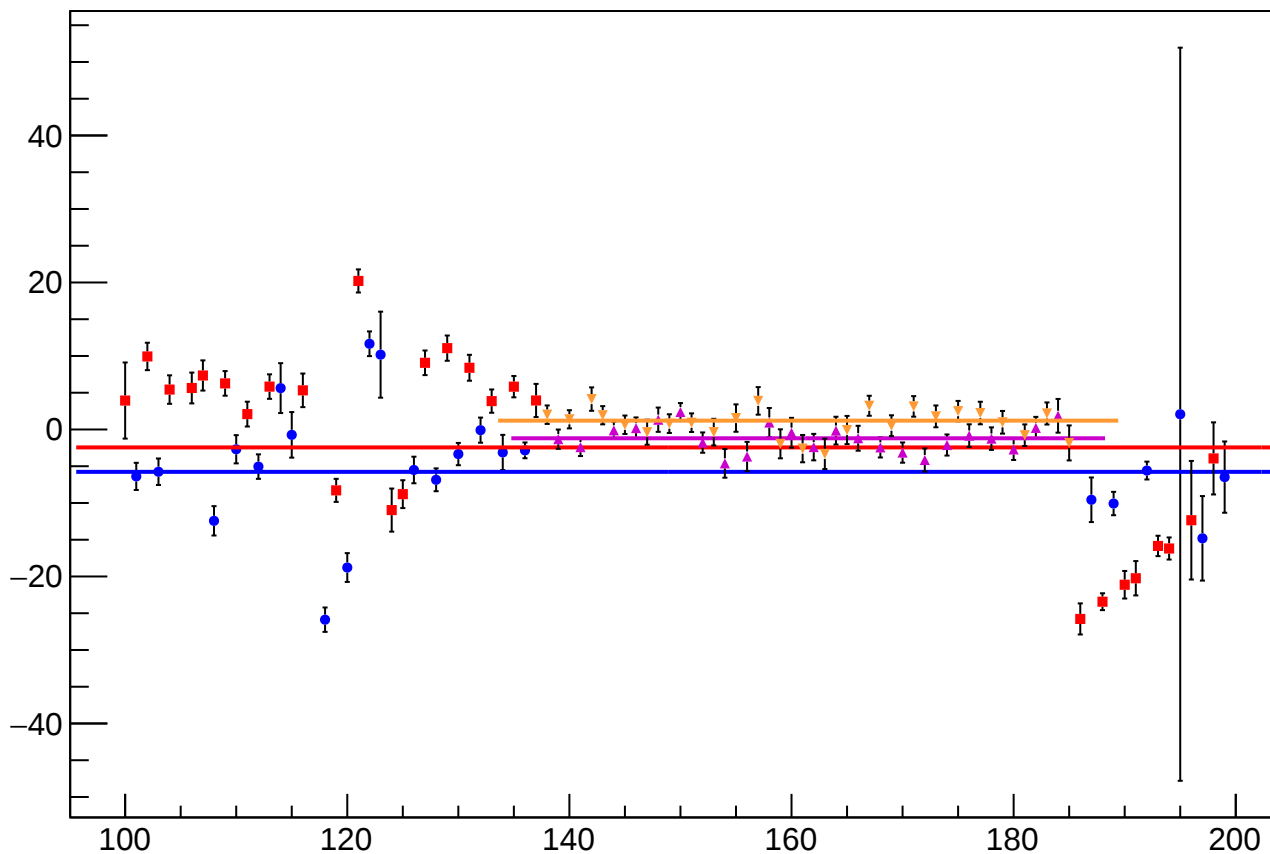
Left In: 8193.636 $\pm$ 1.405 χ^2 /NDF:338377.6/22

+ sign 7691.258 $\pm$ 1.044 χ^2 /NDF: 3197344.7/47

All: 7696.594 $\pm$ 0.734 χ^2 /NDF: 4972077.5/97

- sign 7701.815 $\pm$ 1.032 χ^2 /NDF: 1774681.1/49

diff_bpm0l09Y_mean vs Slug



Right In: -5.765 ± 0.393 $\chi^2/\text{NDF}: 368.3/22$

Left Out: 1.203 ± 0.302 $\chi^2/\text{NDF}: 29.9/24$

Right Out: -2.441 ± 0.352 $\chi^2/\text{NDF}: 1408.1/26$

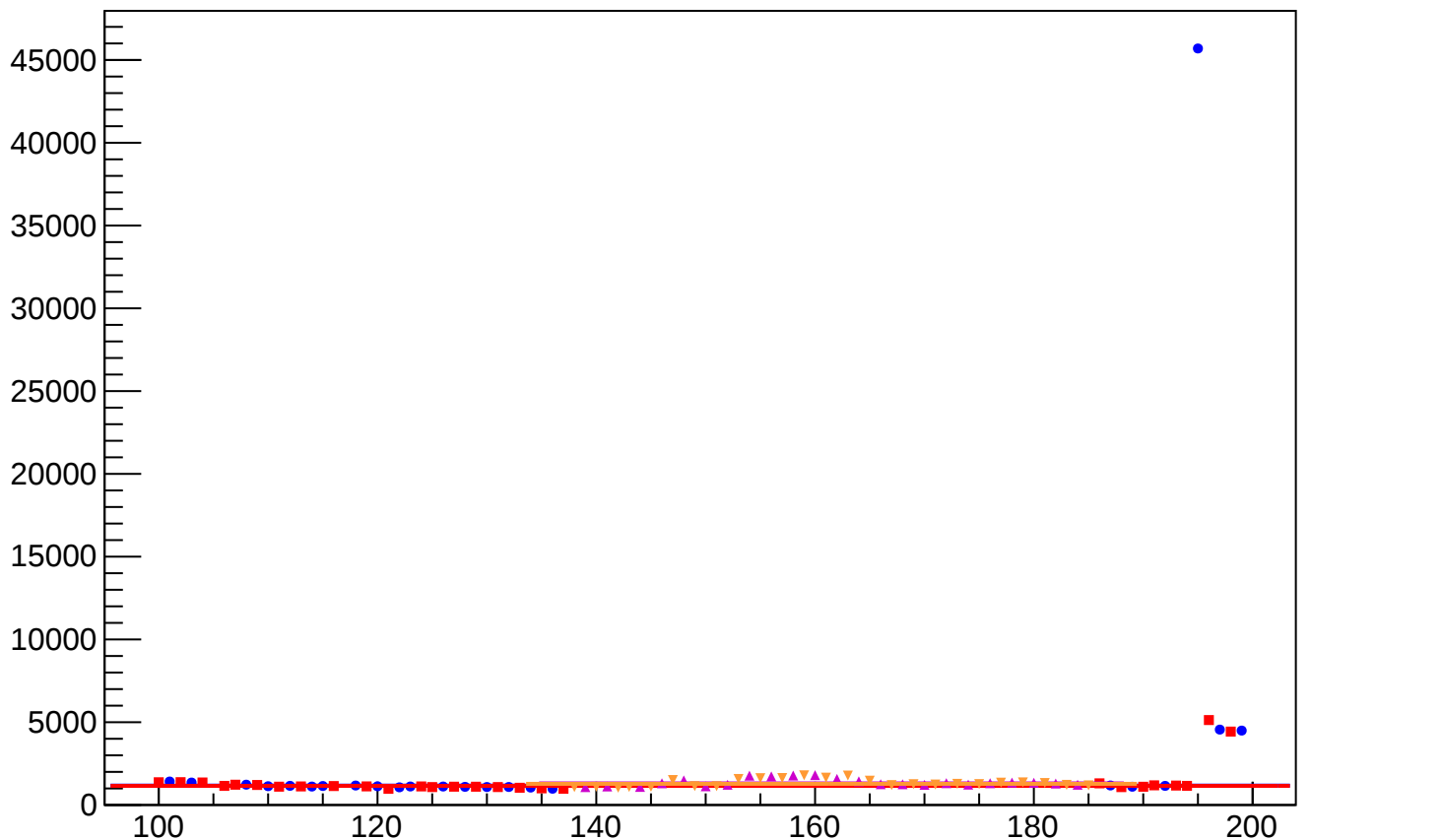
Left In: -1.198 ± 0.318 $\chi^2/\text{NDF}: 31.2/22$

+ sign -1.389 ± 0.240 $\chi^2/\text{NDF}: 595.8/47$

All: -1.576 ± 0.168 $\chi^2/\text{NDF}: 2043.1/97$

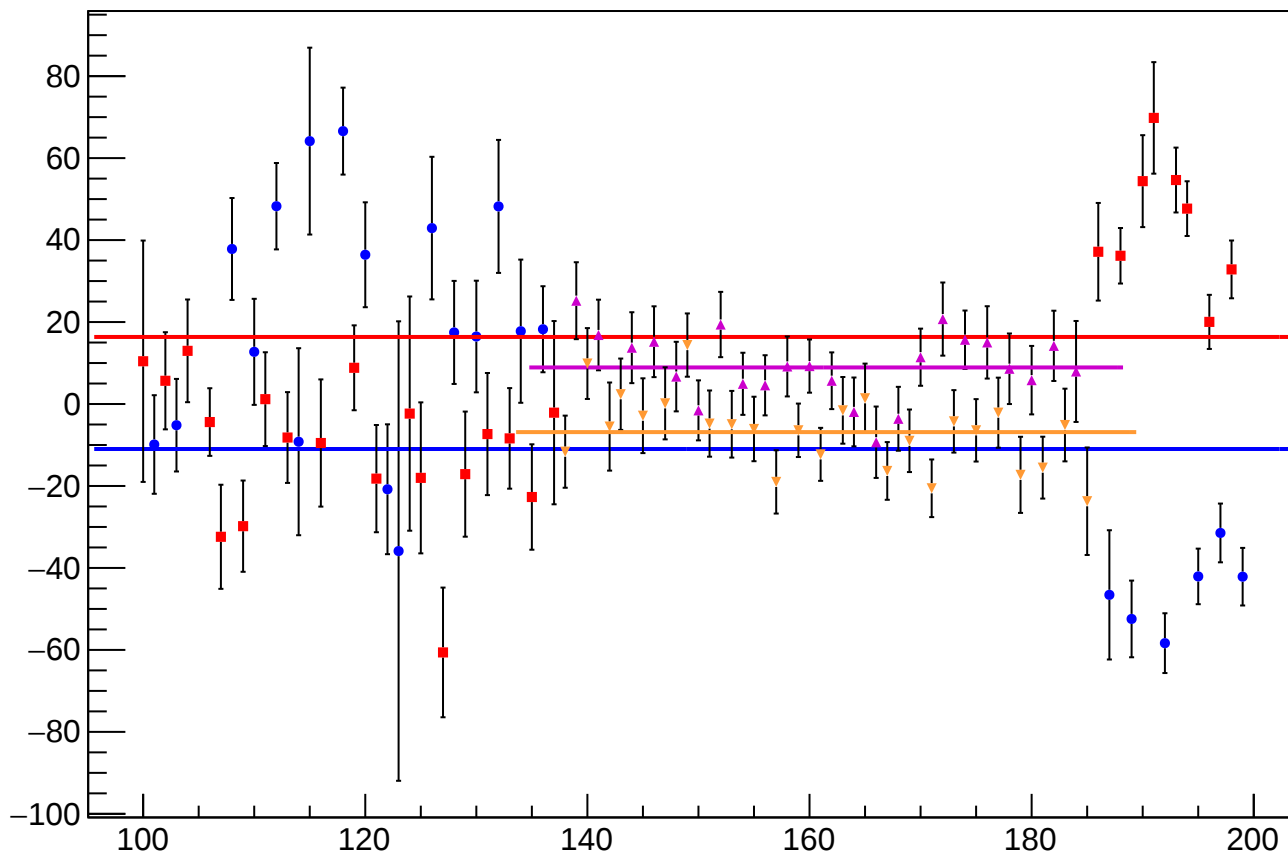
- sign -1.757 ± 0.236 $\chi^2/\text{NDF}: 1446.2/49$

diff_bpm0l09Y_rms vs Slug



Right In: 1171.727+/-0.278	χ^2/NDF : 3382374.4/22	+ sign 1238.406+/-0.169	χ^2/NDF : 4352237.0/47
Left Out: 1277.916+/-0.214	χ^2/NDF : 878127.9/24	All: 1237.900+/-0.119	χ^2/NDF : 6859832.3/97
Right Out: 1154.092+/-0.249	χ^2/NDF : 1543240.4/26	- sign 1237.409+/-0.167	χ^2/NDF : 2507577.7/49
Left In: 1305.541+/-0.225	χ^2/NDF : 760450.8/22		

diff_bpm0l10X_mean vs Slug



Right In: -10.977 ± 2.317 χ^2/NDF : 287.6/22

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

Right Out: 16.362 ± 2.067 χ^2/NDF : 194.7/26

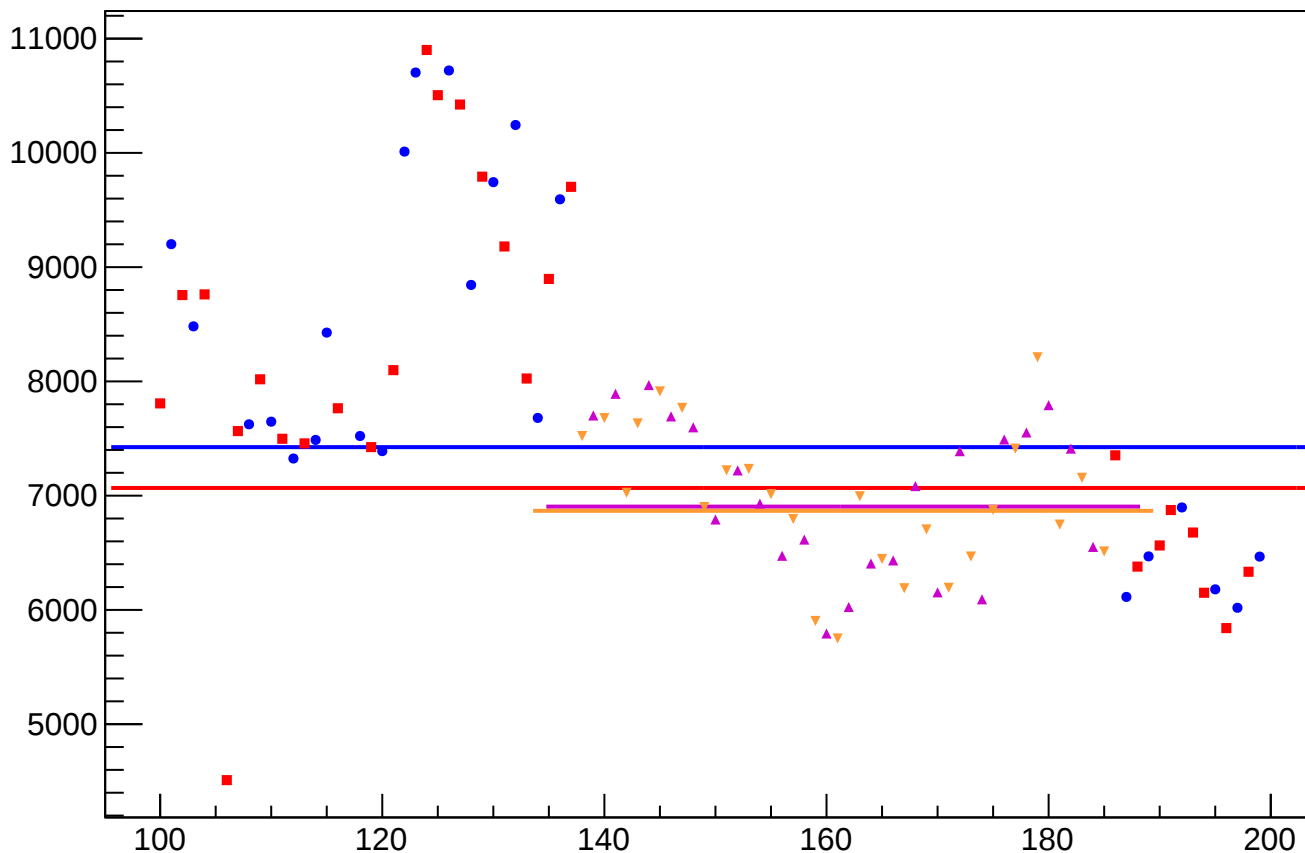
Left In: 8.923 ± 1.674 χ^2/NDF : 21.8/22

+ sign -8.203 ± 1.325 χ^2/NDF : 318.4/47

All: 2.018 ± 0.928 χ^2/NDF : 659.6/97

- sign 11.870 ± 1.301 χ^2/NDF : 224.4/49

diff_bpm0l10X_rms vs Slug



Right In: 7424.734+/-1.639 χ^2/NDF : 654903.7/22

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

Right Out: 7067.377+/-1.462 χ^2/NDF : 851810.1/26

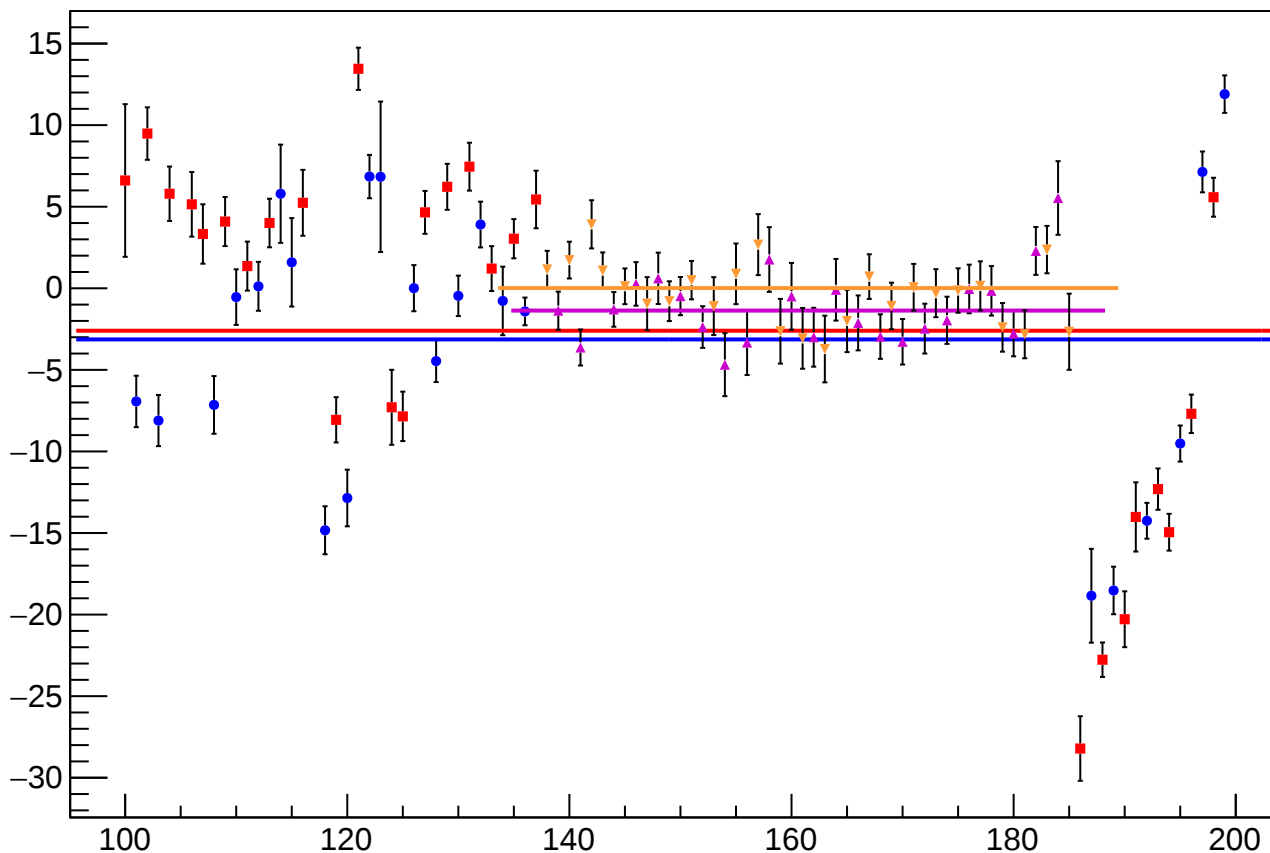
Left In: 6904.117+/-1.184 χ^2/NDF : 325912.6/22

+ sign 7049.665+/-0.937 χ^2/NDF : 1039657.5/47

All: 7008.483+/-0.657 χ^2/NDF : 2228705.6/97

- sign 6968.789+/-0.920 χ^2/NDF : 1185255.3/49

diff_bpm0l10Y_mean vs Slug



Right In: -3.134 ± 0.300 χ^2/NDF : 752.2/22

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

Right Out: -2.601 ± 0.285 χ^2/NDF : 1438.6/26

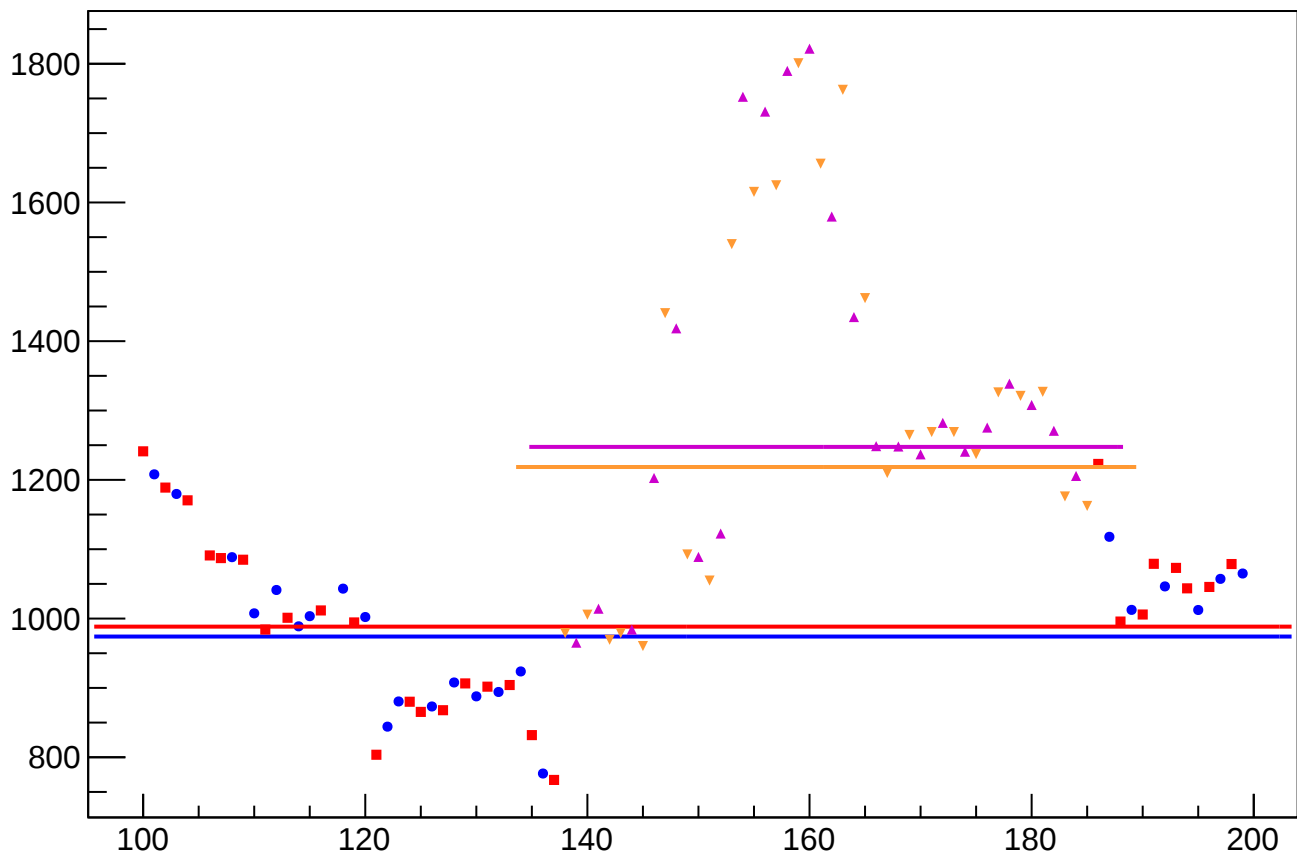
Left In: -1.365 ± 0.306 χ^2/NDF : 38.5/22

+ sign -1.505 ± 0.209 χ^2/NDF : 844.1/47

All: -1.766 ± 0.147 χ^2/NDF : 2333.1/97

- sign -2.026 ± 0.208 χ^2/NDF : 1485.8/49

diff_bpm0l10Y_rms vs Slug



Right In: 974.074 $\pm$ 0.212 χ^2 /NDF: 297071.8/22

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

Right Out: 988.367 $\pm$ 0.202 χ^2 /NDF: 304511.7/26

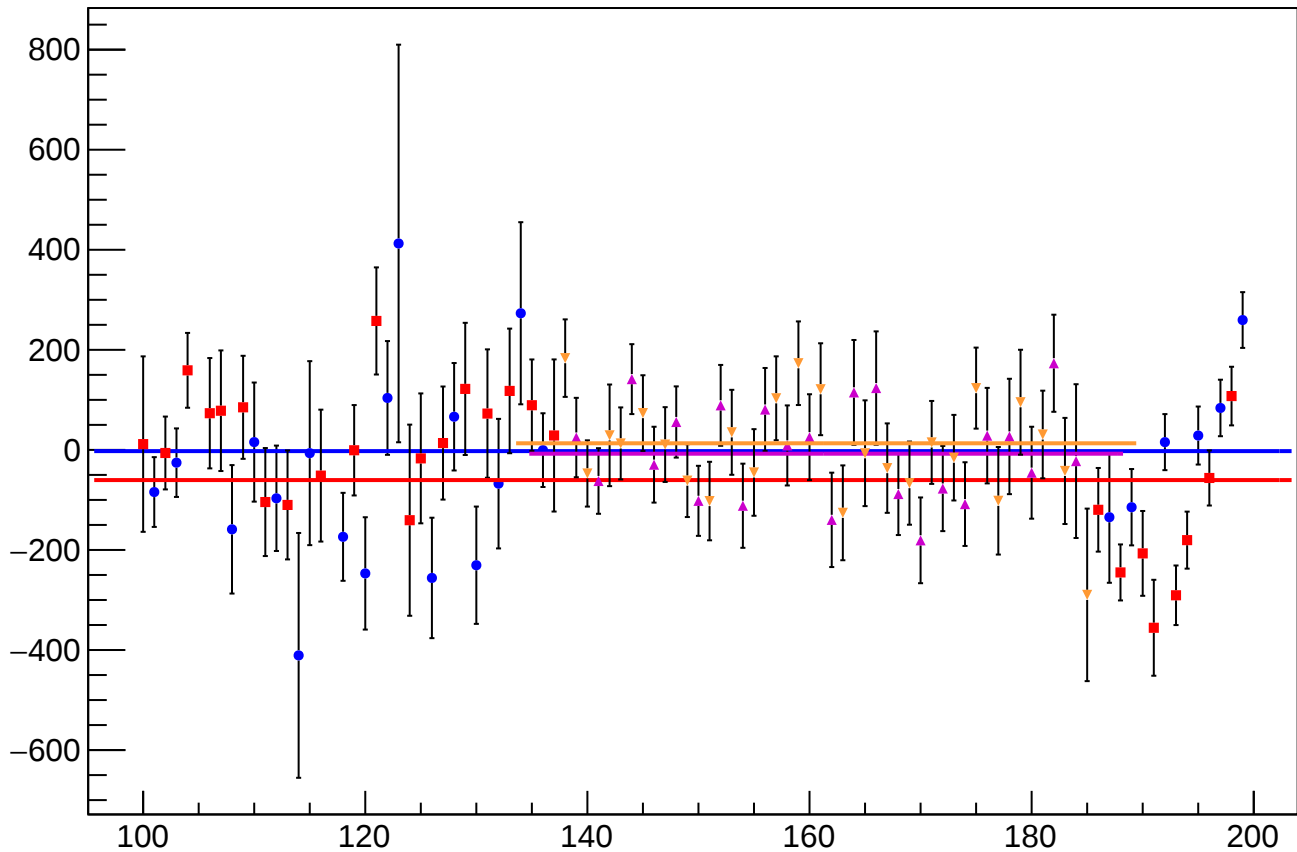
Left In: 1247.538 $\pm$ 0.216 χ^2 /NDF:1073390.3/22

+ sign 1100.599 $\pm$ 0.147 χ^2 /NDF: 2248972.4/47

All: 1104.784 $\pm$ 0.104 χ^2 /NDF: 4398113.9/97

- sign 1108.962 $\pm$ 0.147 χ^2 /NDF: 2147532.4/49

diff_bpm0r03X_mean vs Slug



Right In: -2.429 ± 18.371 χ^2/NDF : 56.3/22

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

Right Out: -60.324 ± 16.868 χ^2/NDF : 84.0/26

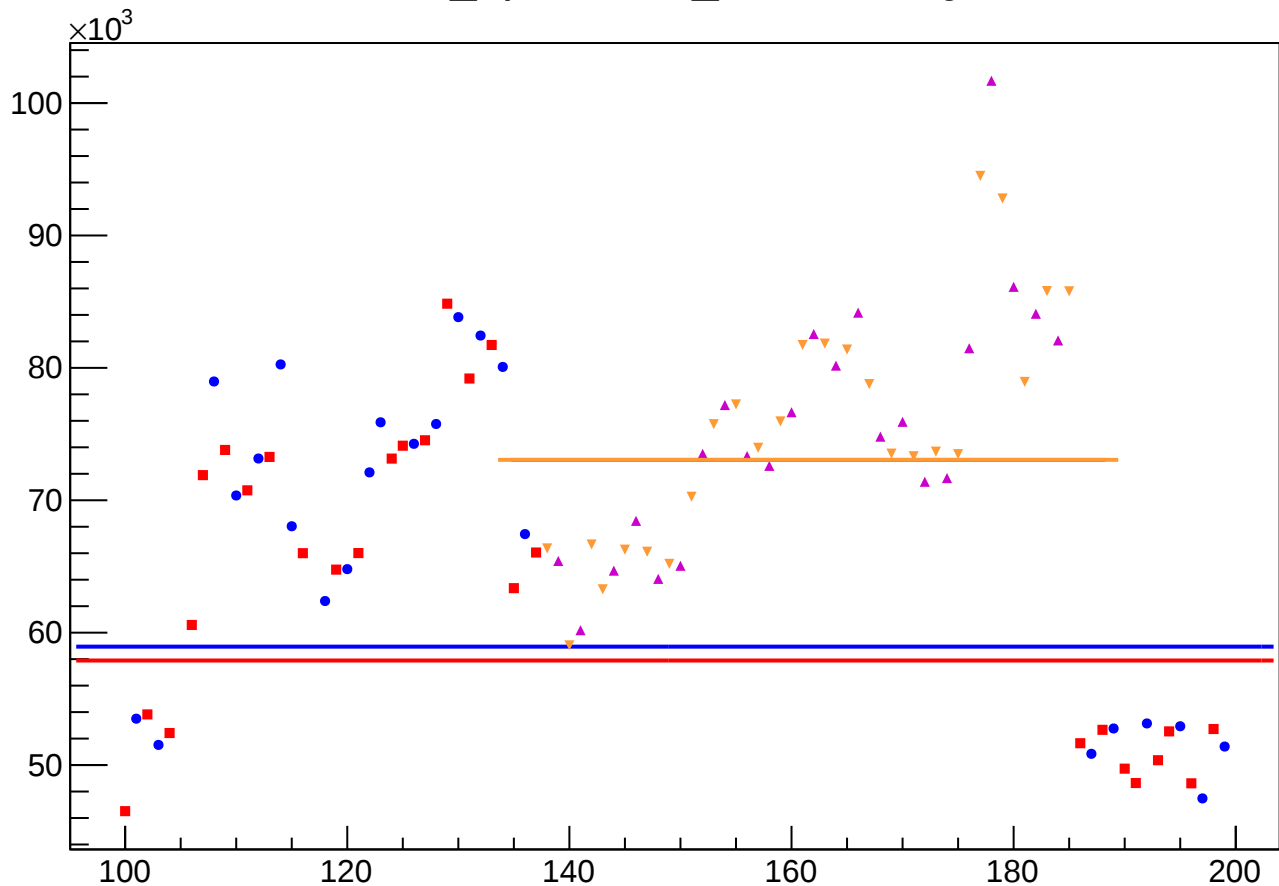
Left In: -7.618 ± 17.672 χ^2/NDF : 28.1/22

+ sign 5.927 ± 12.535 χ^2/NDF : 83.4/47

All: -15.188 ± 8.743 χ^2/NDF : 205.7/97

- sign -35.196 ± 12.202 χ^2/NDF : 116.7/49

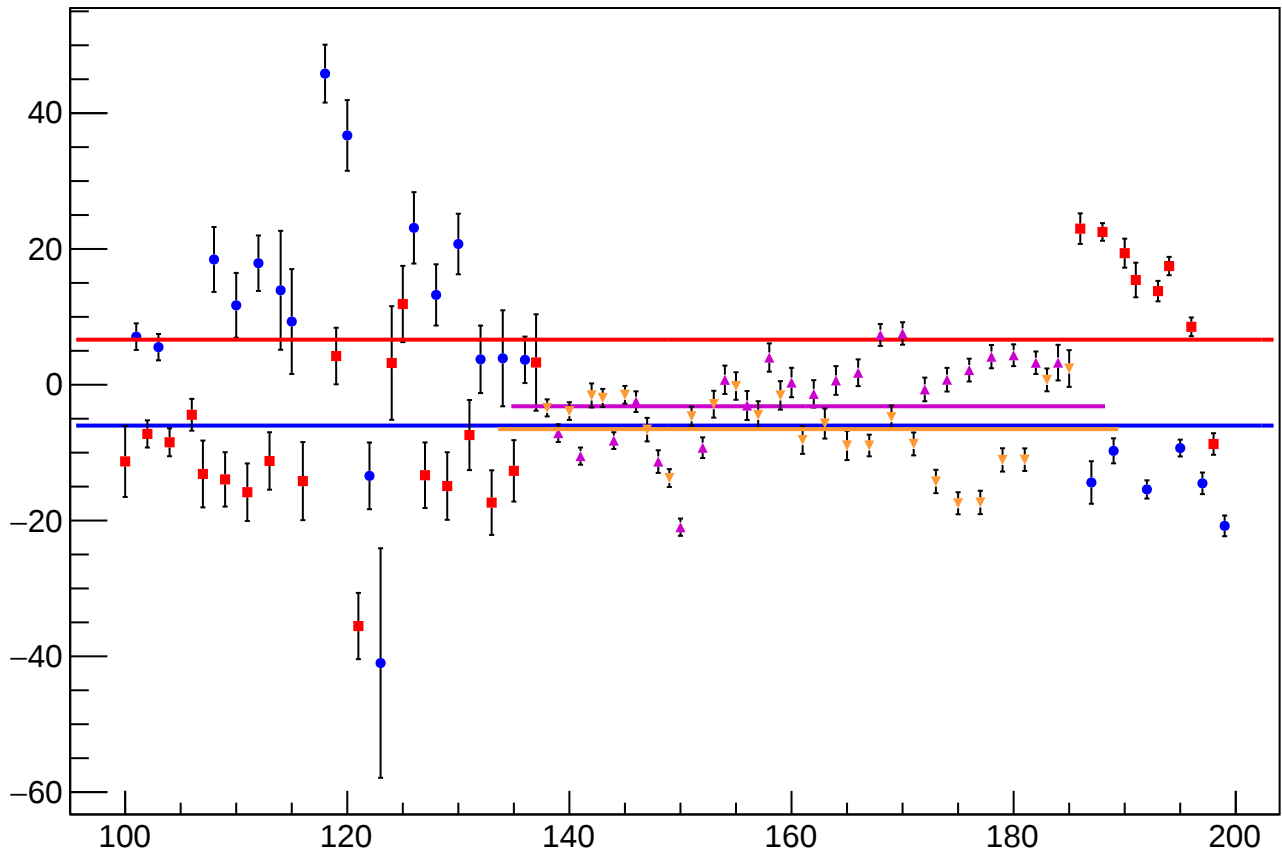
diff_bpm0r03X_rms vs Slug



Right In: 58944.279 ± 12.990 $\chi^2/\text{NDF}: 671968.9/22$
 Left Out: 73054.401 ± 12.124 $\chi^2/\text{NDF}: 473050.9/24$
 Right Out: 57896.431 ± 11.928 $\chi^2/\text{NDF}: 699836.5/26$
 Left In: 73045.500 ± 12.496 $\chi^2/\text{NDF}: 463525.5/22$

+ sign 66485.300 ± 8.863 $\chi^2/\text{NDF}: 1775589.8/47$
 All: 65783.719 ± 6.182 $\chi^2/\text{NDF}: 3720197.6/9$
 - sign 65118.909 ± 8.628 $\chi^2/\text{NDF}: 1932405.3/49$

diff_bpm0r03Y_mean vs Slug



Right In: -6.013 ± 0.531 χ^2/NDF : 673.6/22

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

Right Out: 6.644 ± 0.476 χ^2/NDF : 834.1/26

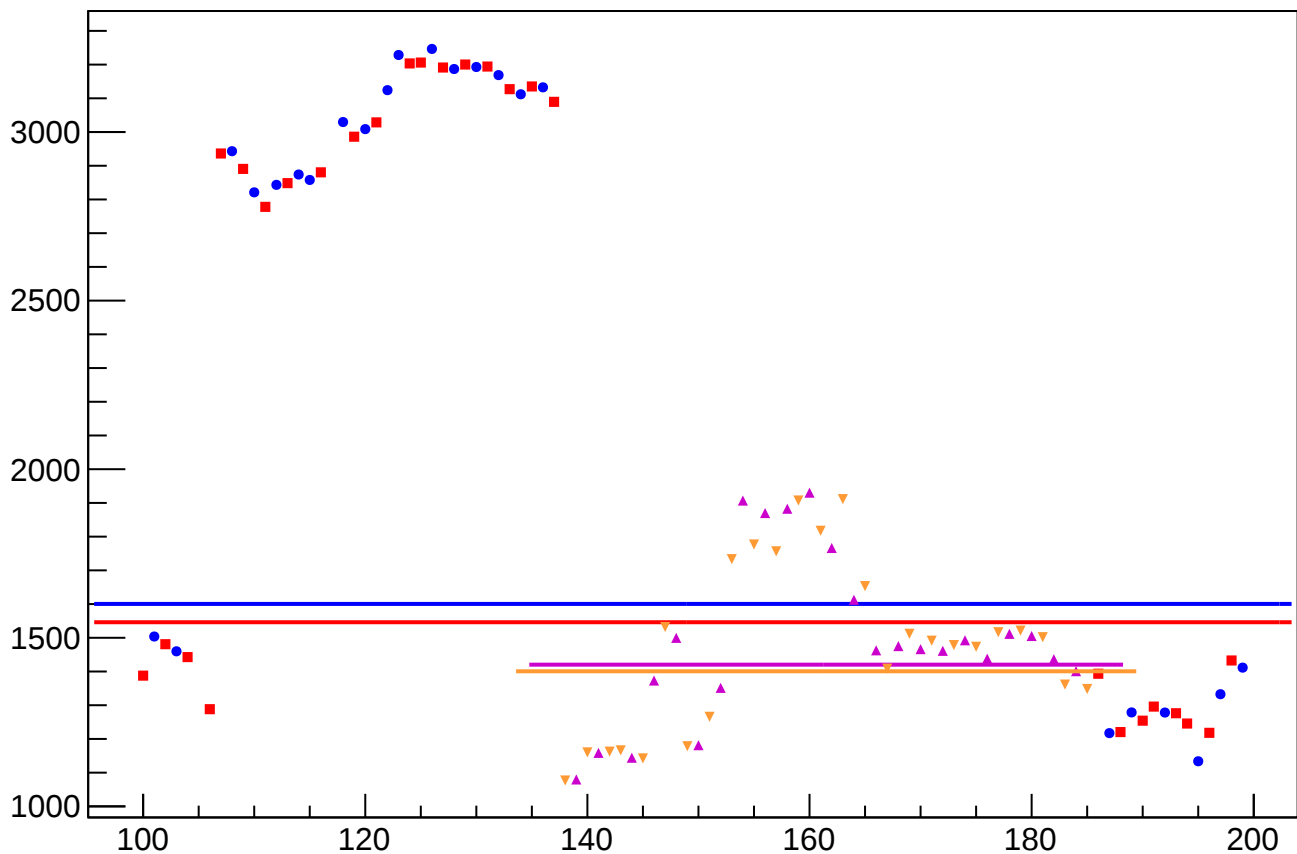
Left In: -3.171 ± 0.346 χ^2/NDF : 487.3/22

+ sign -6.390 ± 0.281 χ^2/NDF : 927.0/47

All: -3.067 ± 0.199 χ^2/NDF : 2803.8/97

- sign 0.226 ± 0.280 χ^2/NDF : 1599.2/49

diff_bpm0r03Y_rms vs Slug



Right In: 1600.440+/-0.375 χ^2/NDF : 3133868.7/22

Left Out: 1400.637+/-0.235 χ^2/NDF : 1037921.6/24

Right Out: 1546.115+/-0.337 χ^2/NDF : 3260488.2/26

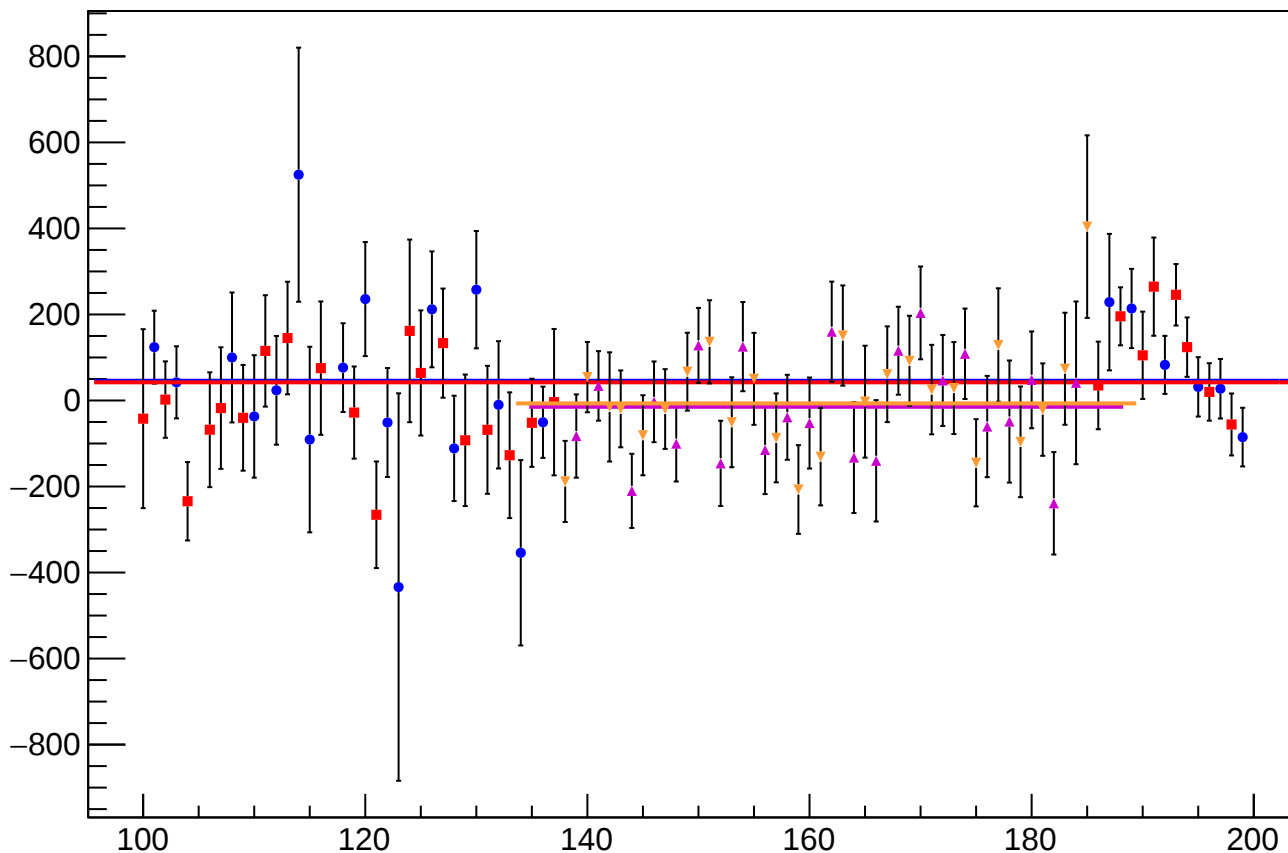
Left In: 1420.285+/-0.245 χ^2/NDF : 905186.2/22

+ sign 1456.781+/-0.199 χ^2/NDF : 4375563.9/47

All: 1460.324+/-0.140 χ^2/NDF : 8633180.3/97

- sign 1463.836+/-0.198 χ^2/NDF : 4256985.0/49

diff_bpm0r05X_mean vs Slug



Right In: 45.856 $\pm$ 21.888 χ^2 /NDF: 27.5/22

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

Right Out: 42.211 $\pm$ 20.148 χ^2 /NDF: 43.8/26

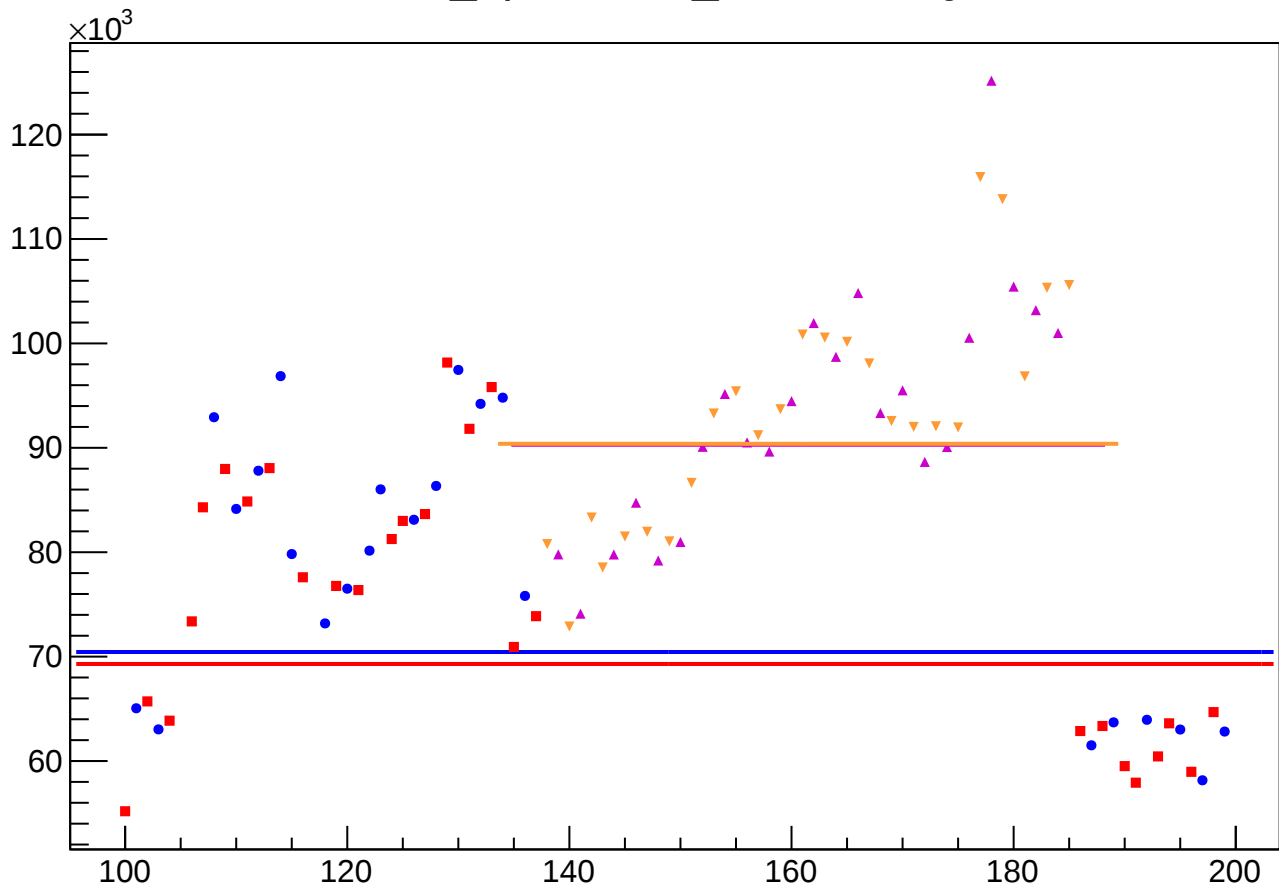
Left In: -14.611 $\pm$ 21.846 χ^2 /NDF: 29.8/22

+ sign 18.709 $\pm$ 15.233 χ^2 /NDF: 55.2/47

All: 17.365 $\pm$ 10.619 χ^2 /NDF: 132.4/97

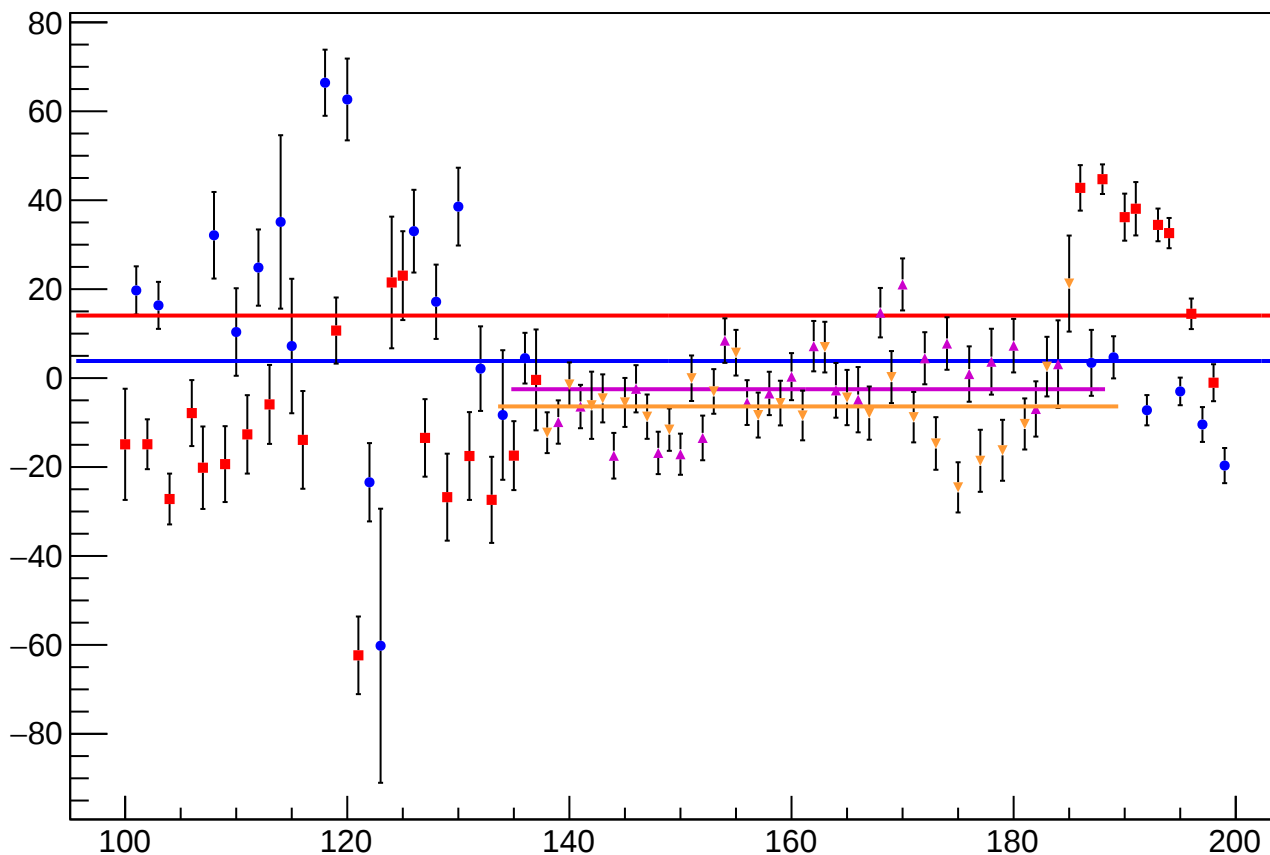
- sign 16.094 $\pm$ 14.811 χ^2 /NDF: 77.2/49

diff_bpm0r05X_rms vs Slug



Right In: 70443.337 $\pm$ 15.477	χ^2 /NDF: 526007.3/22	+ sign 80726.247 $\pm$ 10.771	χ^2 /NDF: 1843693.6/47
Left Out: 90384.853 $\pm$ 15.000	χ^2 /NDF: 461648.2/24	All: 79811.541 $\pm$ 7.509	χ^2 /NDF: 3896549.4/9
Right Out: 69295.802 $\pm$ 14.247	χ^2 /NDF: 579040.0/26	- sign 78946.845 $\pm$ 10.473	χ^2 /NDF: 2038827.0/49
Left In: 90293.591 $\pm$ 15.448	χ^2 /NDF: 461337.5/22		

diff_bpm0r05Y_mean vs Slug



Right In: 3.844 ± 1.267 χ^2/NDF : 250.3/22

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

Right Out: 14.063 ± 1.150 χ^2/NDF : 517.9/26

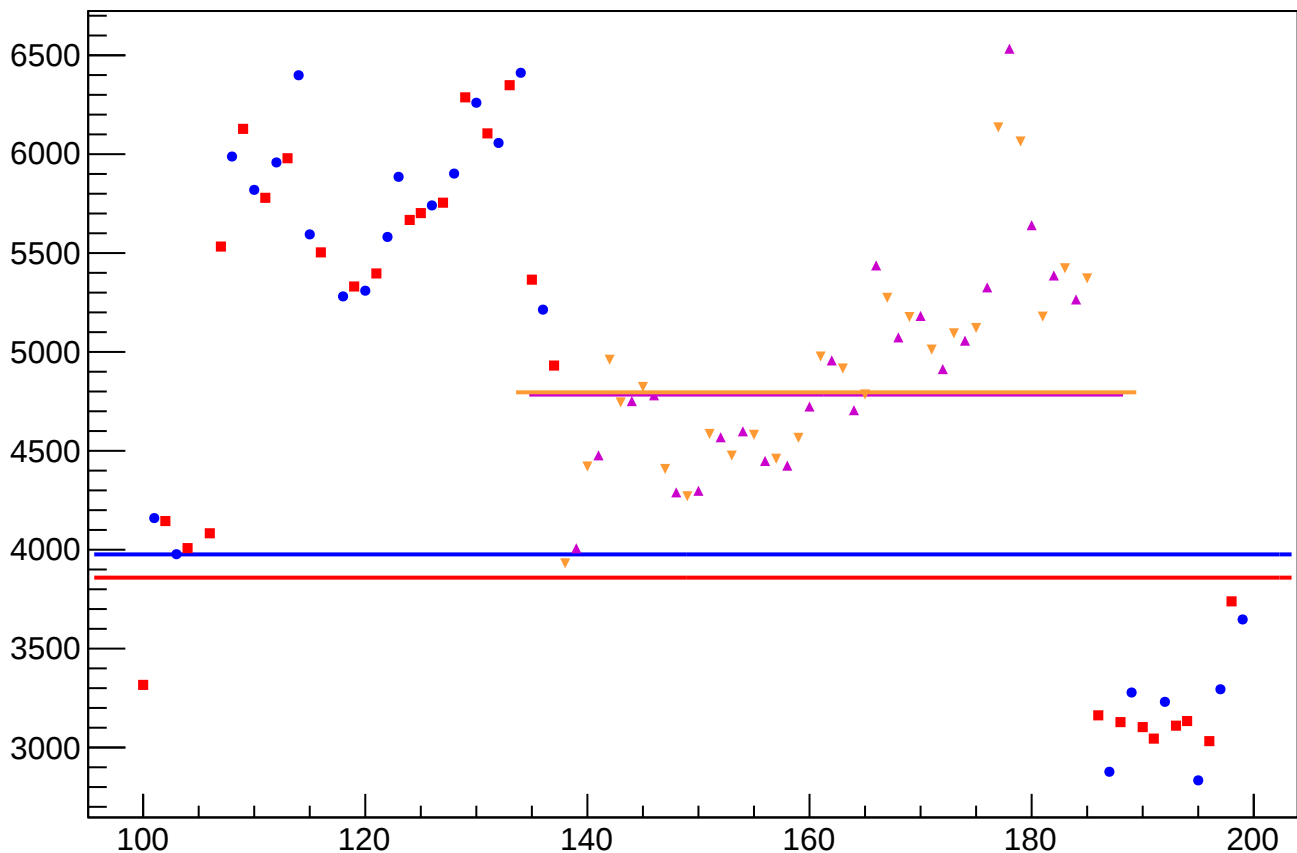
Left In: -2.501 ± 1.156 χ^2/NDF : 78.4/22

+ sign -1.874 ± 0.841 χ^2/NDF : 332.1/47

All: 2.092 ± 0.585 χ^2/NDF : 1074.8/97

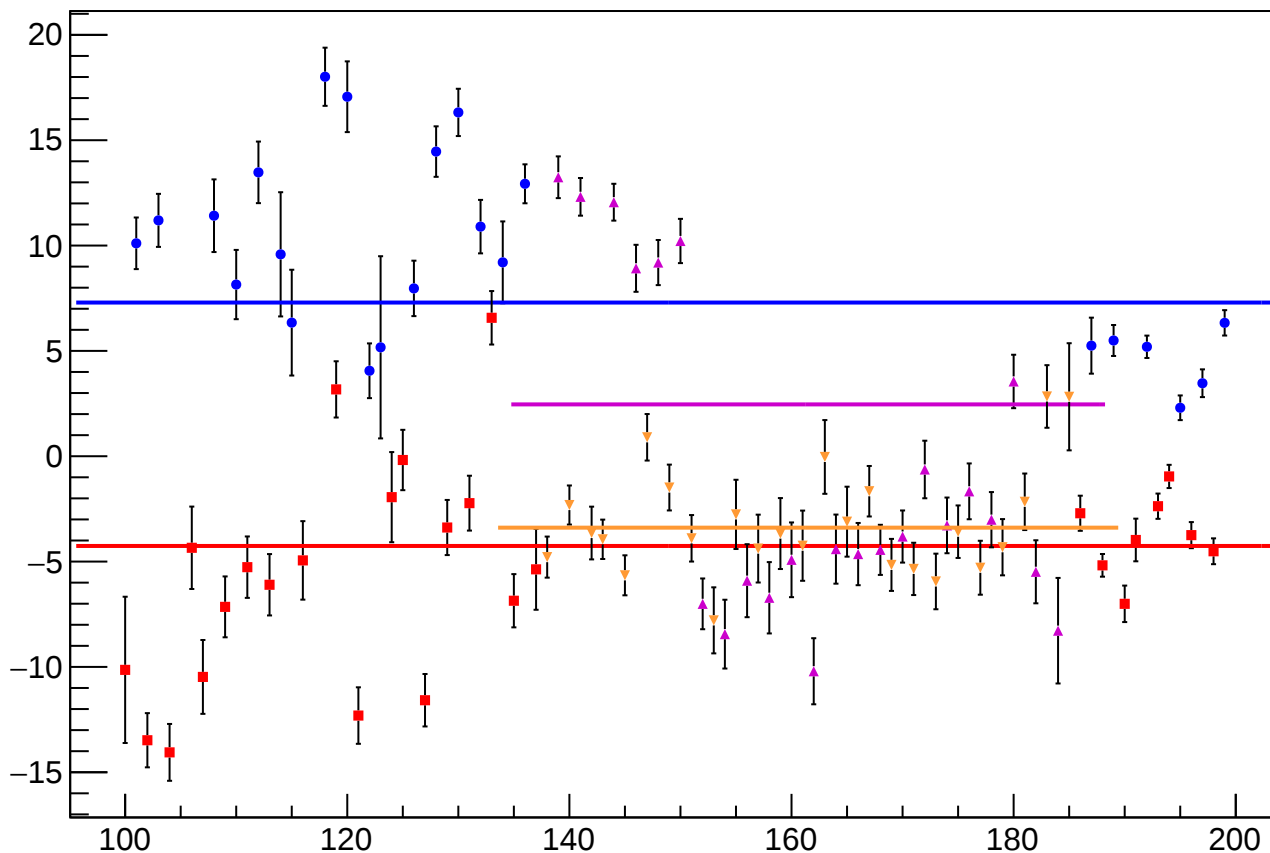
- sign 5.821 ± 0.815 χ^2/NDF : 699.5/49

diff_bpm0r05Y_rms vs Slug



Right In: 3976.325+/-0.896	χ^2/NDF : 1585063.9/22	+ sign 4435.131+/-0.595	χ^2/NDF : 2414398.1/47
Left Out: 4795.847+/-0.795	χ^2/NDF : 361249.7/24	All: 4375.484+/-0.414	χ^2/NDF : 5195742.4/97
Right Out: 3858.878+/-0.813	χ^2/NDF : 1760057.5/26	- sign 4319.405+/-0.577	χ^2/NDF : 2761821.0/49
Left In: 4784.434+/-0.817	χ^2/NDF : 357507.2/22		

diff_bpm2i01X_mean vs Slug



Right In: 7.295 ± 0.212 χ^2/NDF : 419.9/22

Left Out: -3.390 ± 0.252 χ^2/NDF : 77.7/24

Right Out: -4.259 ± 0.192 χ^2/NDF : 380.1/26

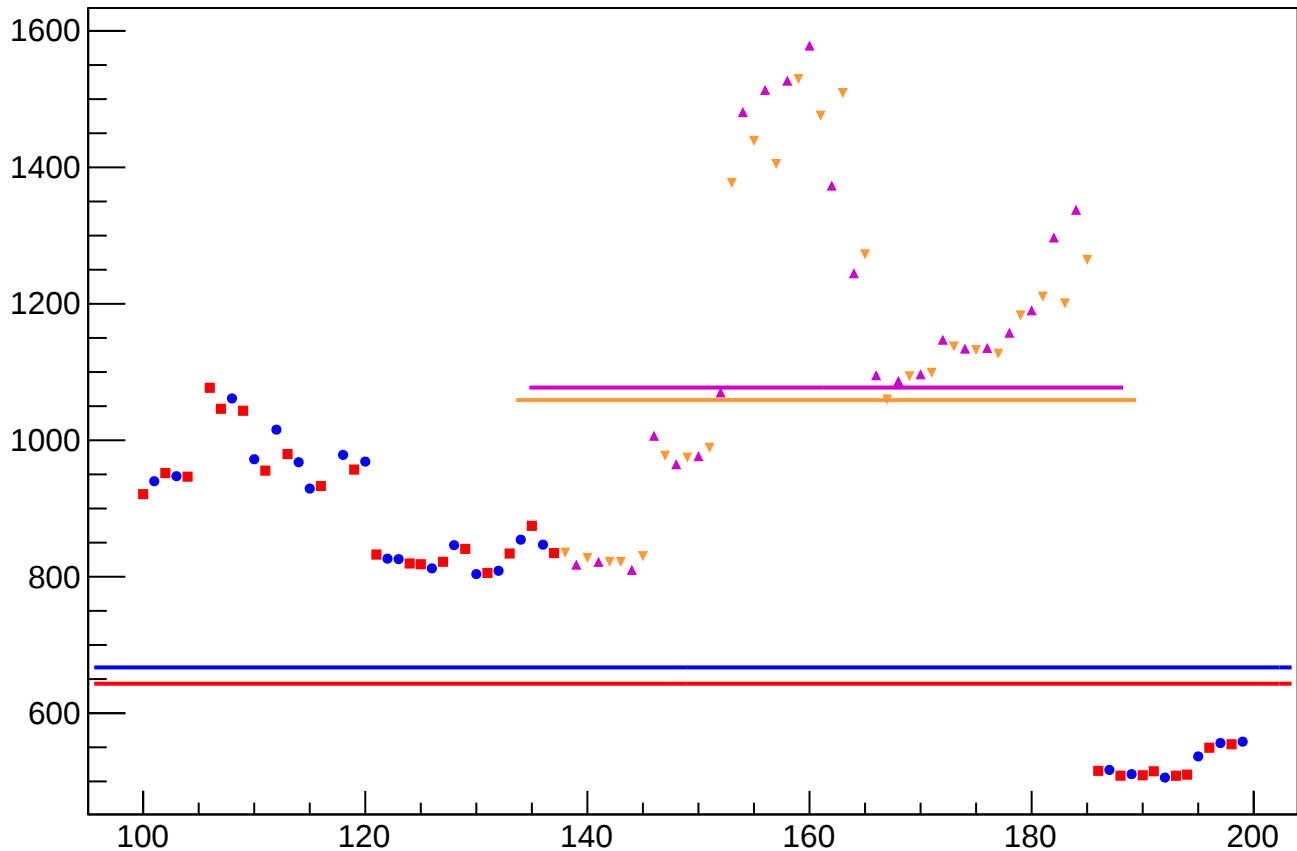
Left In: 2.461 ± 0.264 χ^2/NDF : 928.0/22

+ sign 2.881 ± 0.162 χ^2/NDF : 1550.7/47

All: 0.363 ± 0.112 χ^2/NDF : 3744.9/97

- sign -1.944 ± 0.155 χ^2/NDF : 1731.7/49

diff_bpm2i01X_rms vs Slug



Right In: 667.074+/-0.150 χ^2/NDF : 1467172.2/22

Left Out: 1058.941+/-0.178 χ^2/NDF : 1403222.2/24

Right Out: 643.263+/-0.135 χ^2/NDF : 1836223.8/26

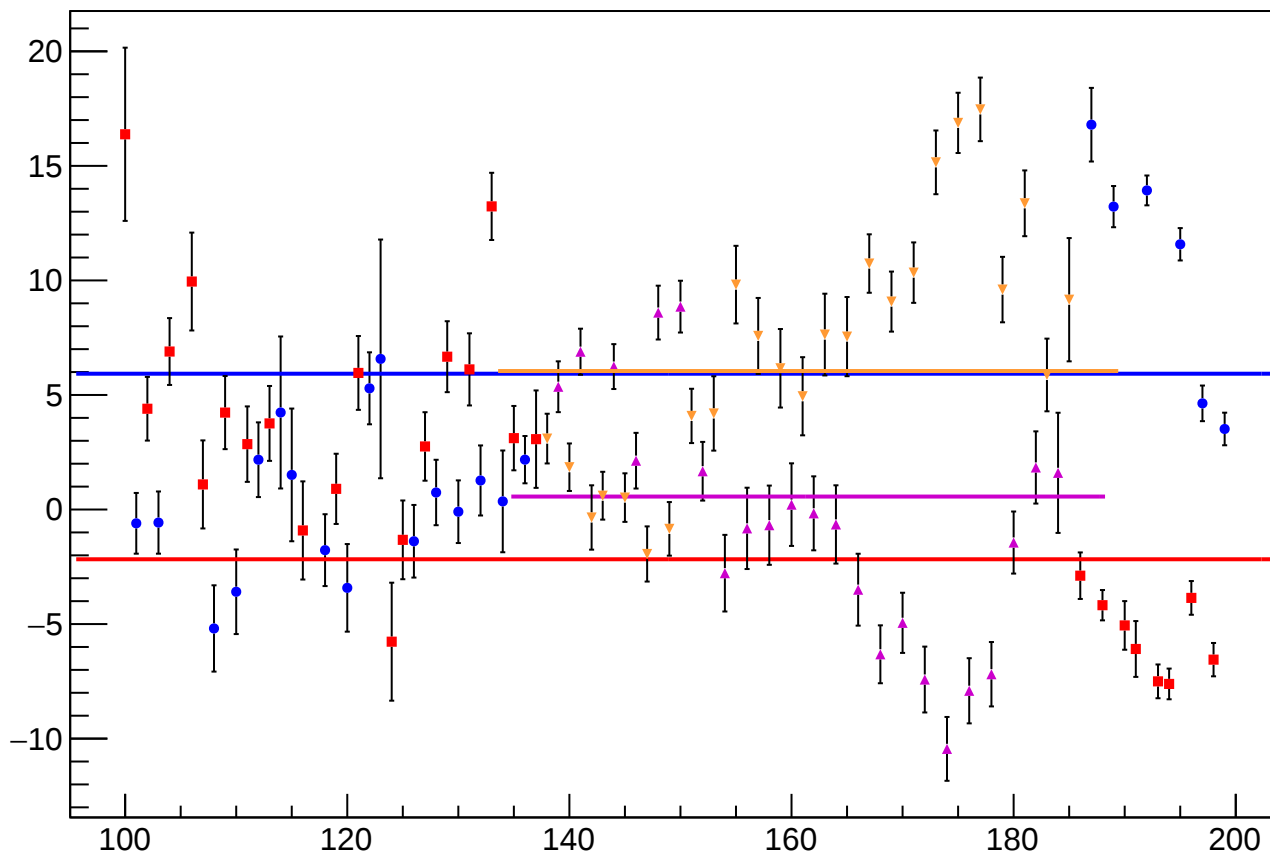
Left In: 1077.284+/-0.187 χ^2/NDF : 1280349.9/22

+ sign 828.935+/-0.115 χ^2/NDF : 5703308.3/47

All: 810.051+/-0.079 χ^2/NDF : 12405798.5/97

- sign 792.756+/-0.110 χ^2/NDF : 6650503.4/49

diff_bpm2i01Y_mean vs Slug



Right In: 5.928 ± 0.250 χ^2/NDF : 588.0/22

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

Right Out: -2.172 ± 0.228 χ^2/NDF : 579.6/26

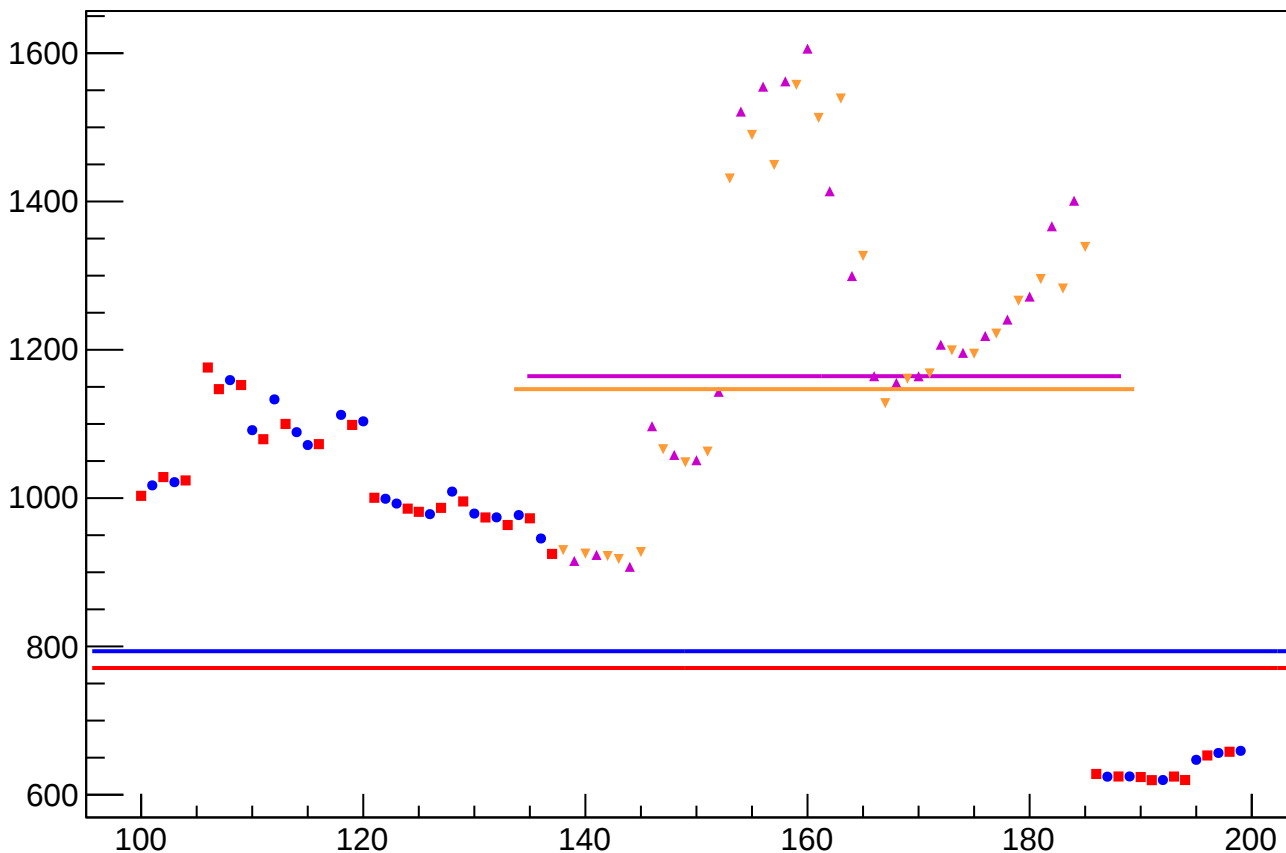
Left In: 0.566 ± 0.284 χ^2/NDF : 417.0/22

+ sign 5.982 ± 0.184 χ^2/NDF : 1018.9/47

All: 2.318 ± 0.128 χ^2/NDF : 2838.7/97

- sign -1.101 ± 0.178 χ^2/NDF : 1053.1/49

diff_bpm2i01Y_rms vs Slug



Right In: 793.559 $\pm$ 0.177 χ^2 /NDF: 1183034.5/22

Left Out: 1146.960 $\pm$ 0.192 χ^2 /NDF: 1045761.4/24

Right Out: 770.899 $\pm$ 0.161 χ^2 /NDF: 1456146.6/26

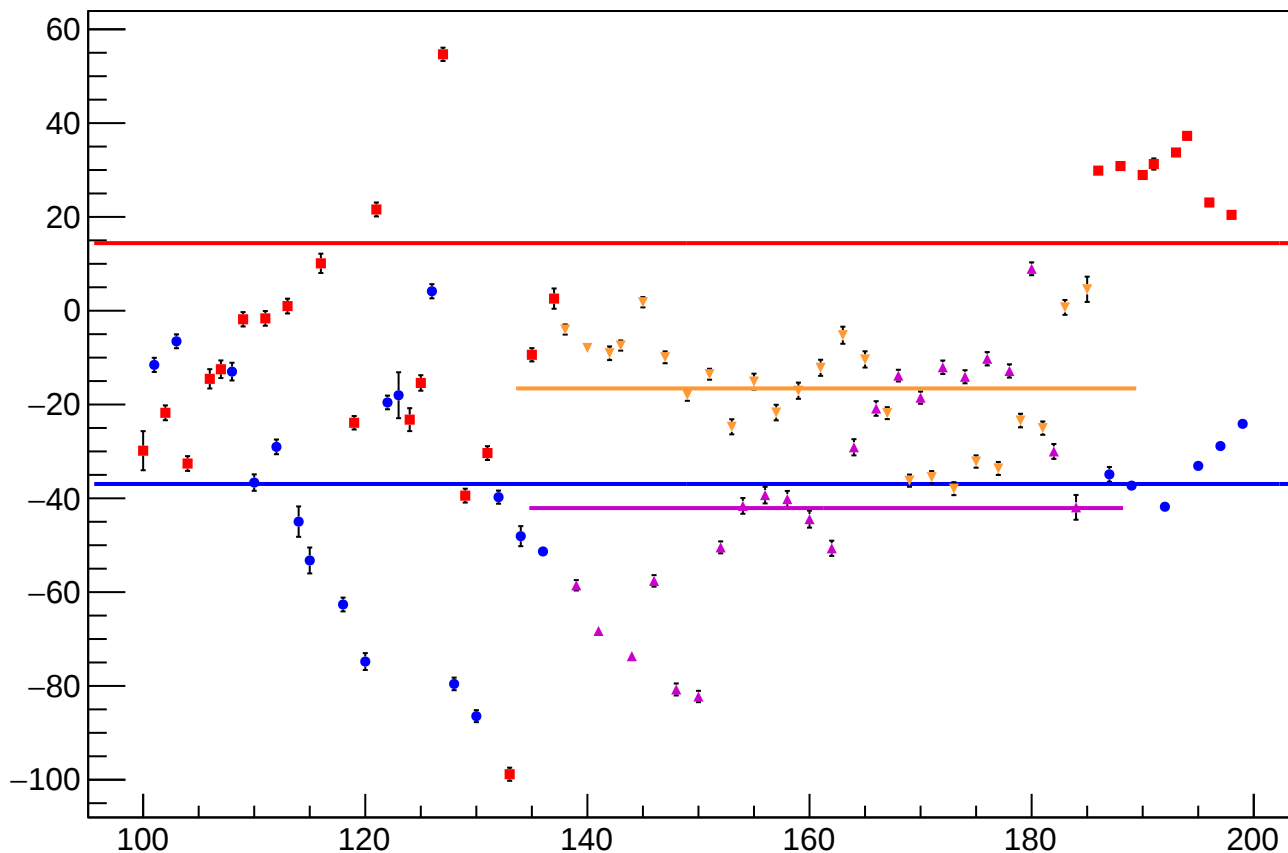
Left In: 1164.432 $\pm$ 0.201 χ^2 /NDF: 944112.0/22

+ sign 955.593 $\pm$ 0.130 χ^2 /NDF: 4061435.3/47

All: 939.692 $\pm$ 0.090 χ^2 /NDF: 8826456.3/97

- sign 924.853 $\pm$ 0.126 χ^2 /NDF: 4736133.6/49

diff_bpm2i02X_mean vs Slug



Right In: -36.940 ± 0.246 χ^2/NDF : 5806.7/22

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

Right Out: 14.411 ± 0.223 χ^2/NDF : 16874.5/26

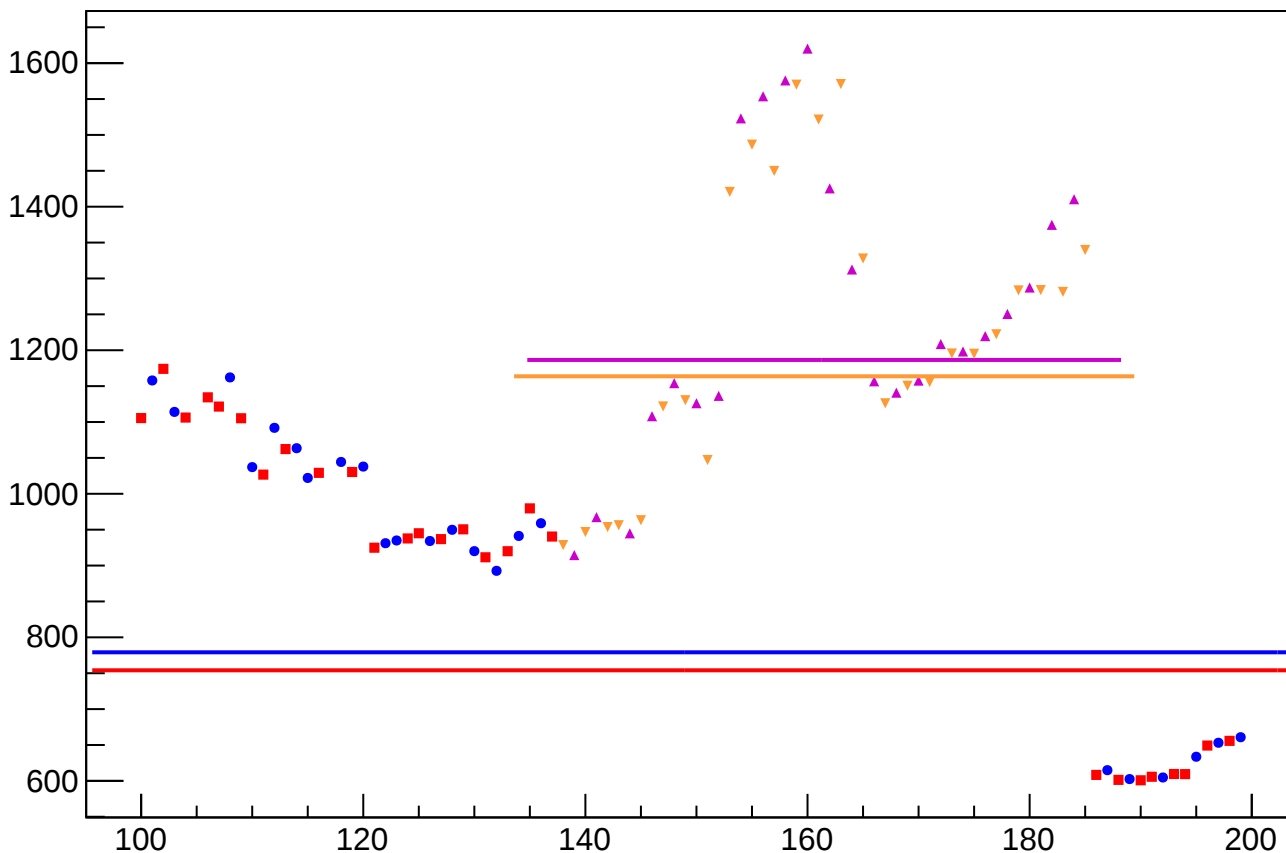
Left In: -42.077 ± 0.289 χ^2/NDF : 8332.3/22

+ sign -27.912 ± 0.183 χ^2/NDF : 10788.5/47

All: -16.885 ± 0.127 χ^2/NDF : 66921.7/97

- sign -6.651 ± 0.177 χ^2/NDF : 49150.7/49

diff_bpm2i02X_rms vs Slug



Right In: 779.136+/-0.174 χ^2/NDF : 1206940.1/22

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

Right Out: 754.063+/-0.158 χ^2/NDF : 1489857.9/26

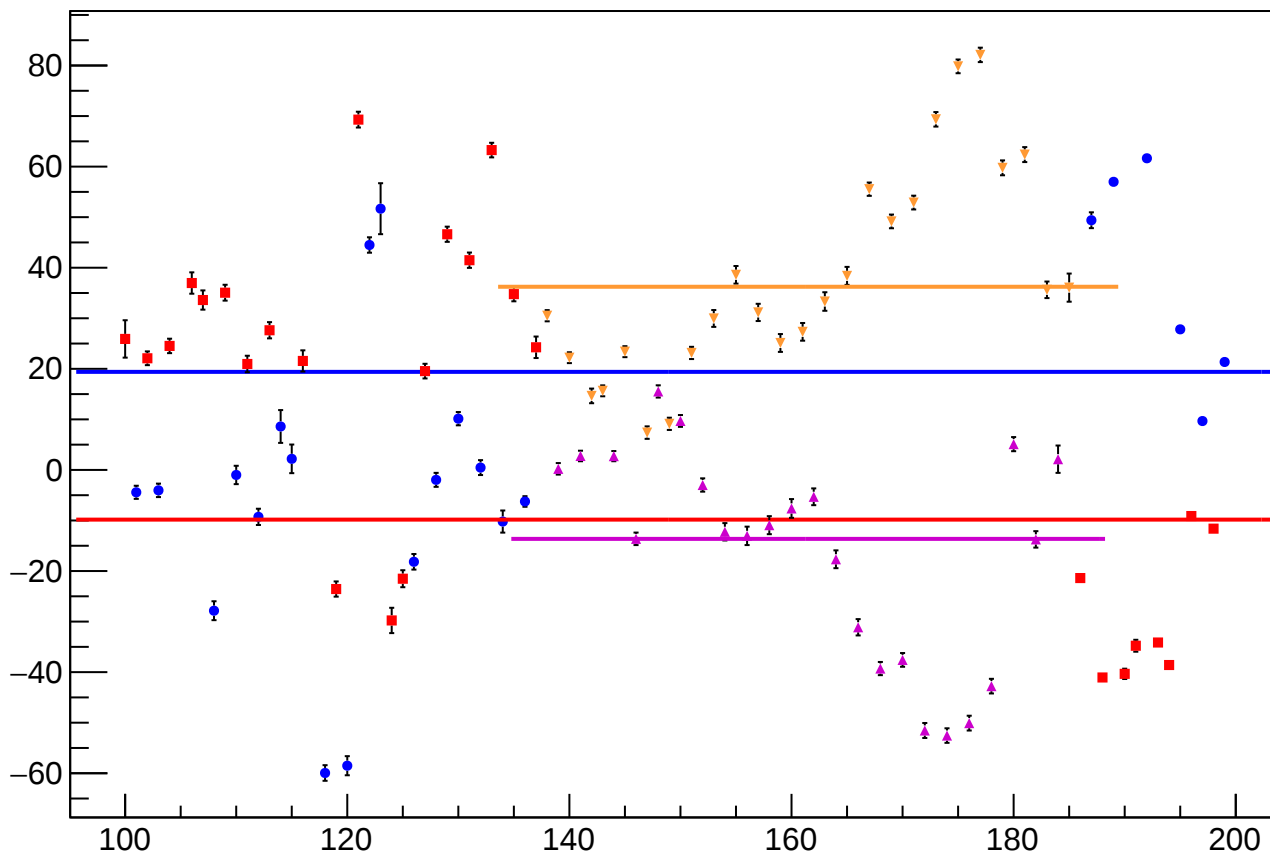
Left In: 1186.476+/-0.204 χ^2/NDF : 833420.3/22

+ sign 949.544+/-0.130 χ^2/NDF : 4316787.5/47

All: 931.780+/-0.090 χ^2/NDF : 9482497.5/97

- sign 915.294+/-0.125 χ^2/NDF : 5129468.9/49

diff_bpm2i02Y_mean vs Slug



Right In: 19.399 ± 0.243 $\chi^2/\text{NDF}: 15360.5/22$

Left Out: 36.234 ± 0.280 $\chi^2/\text{NDF}: 5794.2/24$

Right Out: -9.829 ± 0.221 $\chi^2/\text{NDF}: 20756.3/26$

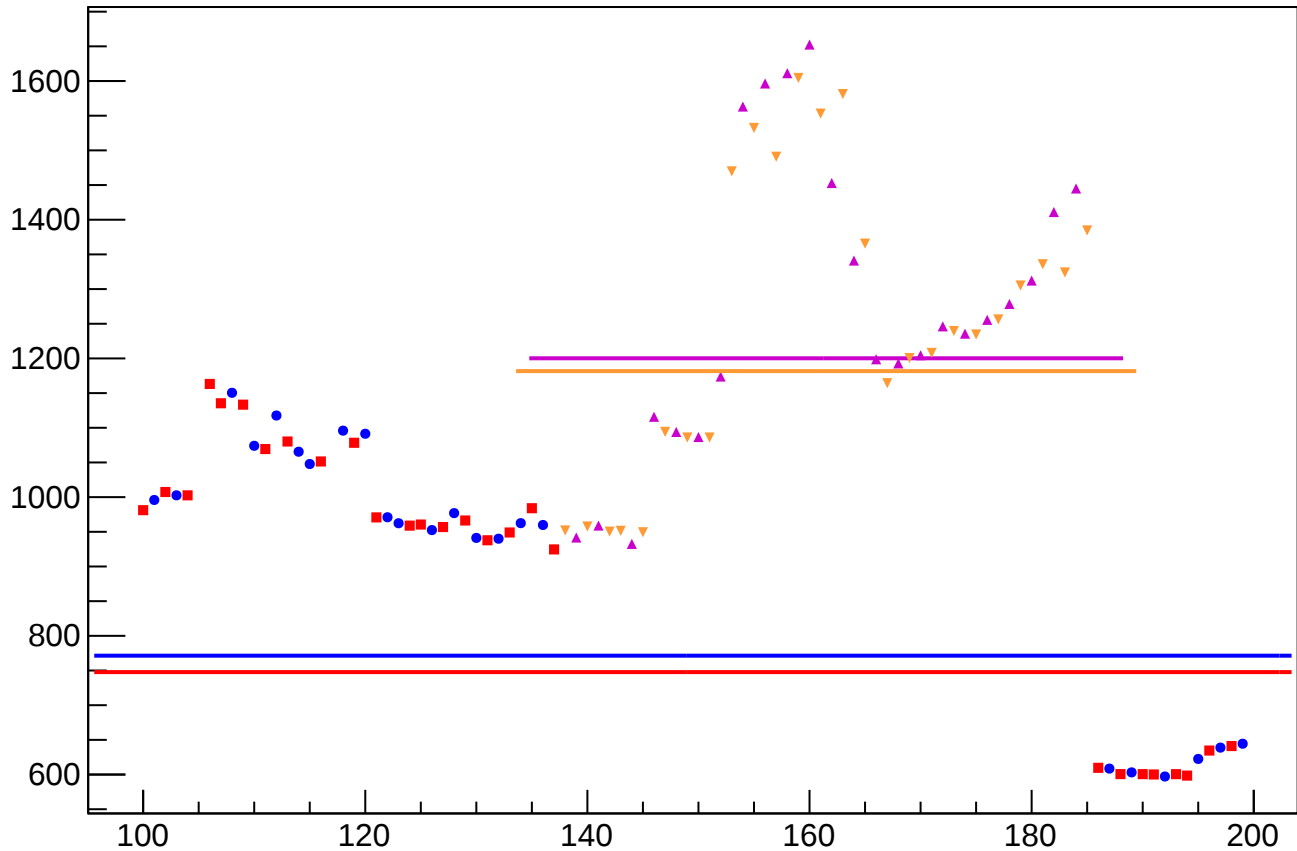
Left In: -13.640 ± 0.293 $\chi^2/\text{NDF}: 5178.0/22$

+ sign 26.649 ± 0.184 $\chi^2/\text{NDF}: 23214.9/47$

All: 6.969 ± 0.127 $\chi^2/\text{NDF}: 71348.0/97$

- sign -11.215 ± 0.177 $\chi^2/\text{NDF}: 26042.1/49$

diff_bpm2i02Y_rms vs Slug



Right In: 771.394 $\pm$ 0.172 χ^2 /NDF: 1255105.7/22

Left Out: 1181.732 $\pm$ 0.198 χ^2 /NDF:1043520.8/24

Right Out: 747.716 $\pm$ 0.156 χ^2 /NDF: 1545200.3/26

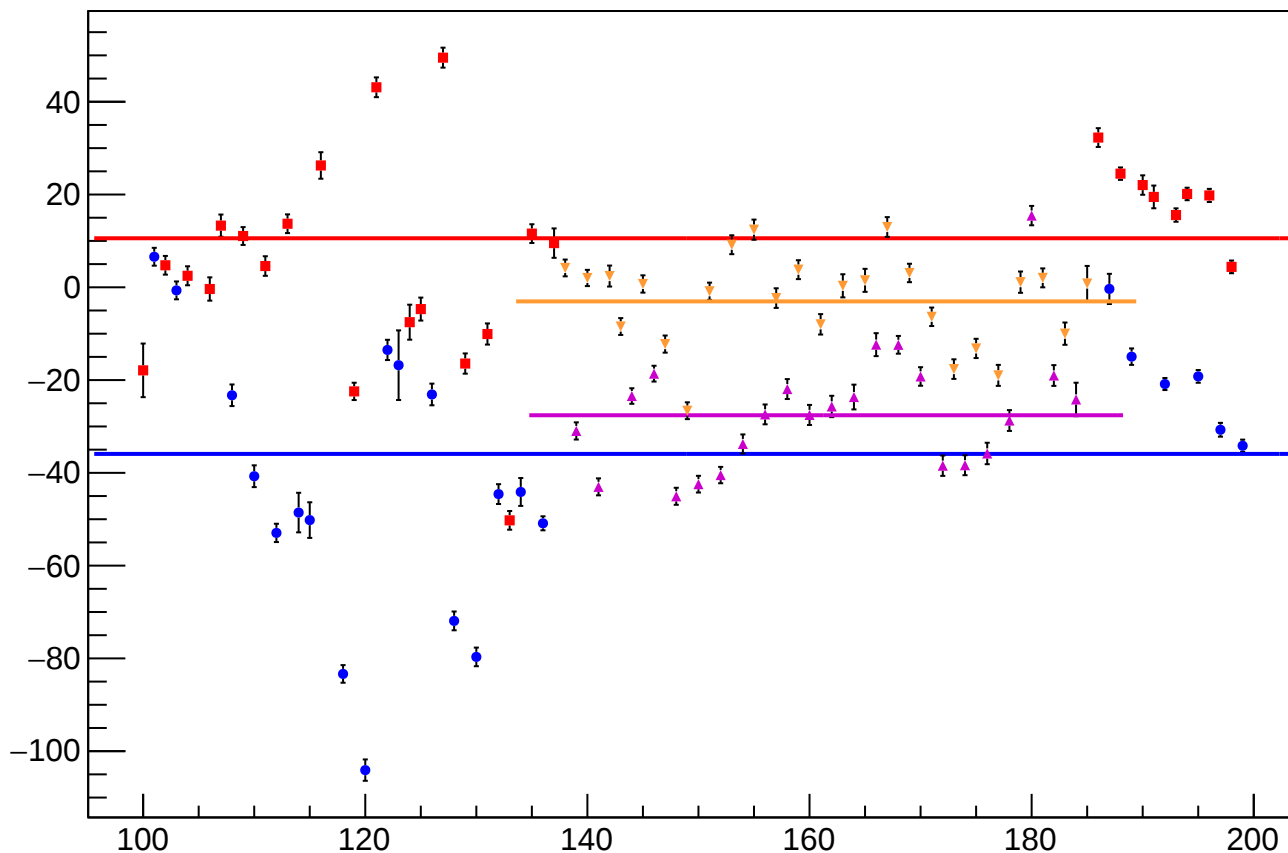
Left In: 1200.198 $\pm$ 0.207 χ^2 /NDF:938224.7/22

+ sign 948.092 $\pm$ 0.130 χ^2 /NDF: 4746537.6/47

All: 929.445 $\pm$ 0.090 χ^2 /NDF: 10309636.7/97

- sign 912.216 $\pm$ 0.125 χ^2 /NDF: 5523434.9/49

diff_bpm0i02X_mean vs Slug



Right In: -35.917 ± 0.409 χ^2/NDF : 4065.2/22

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

Right Out: 10.572 ± 0.380 χ^2/NDF : 2580.4/26

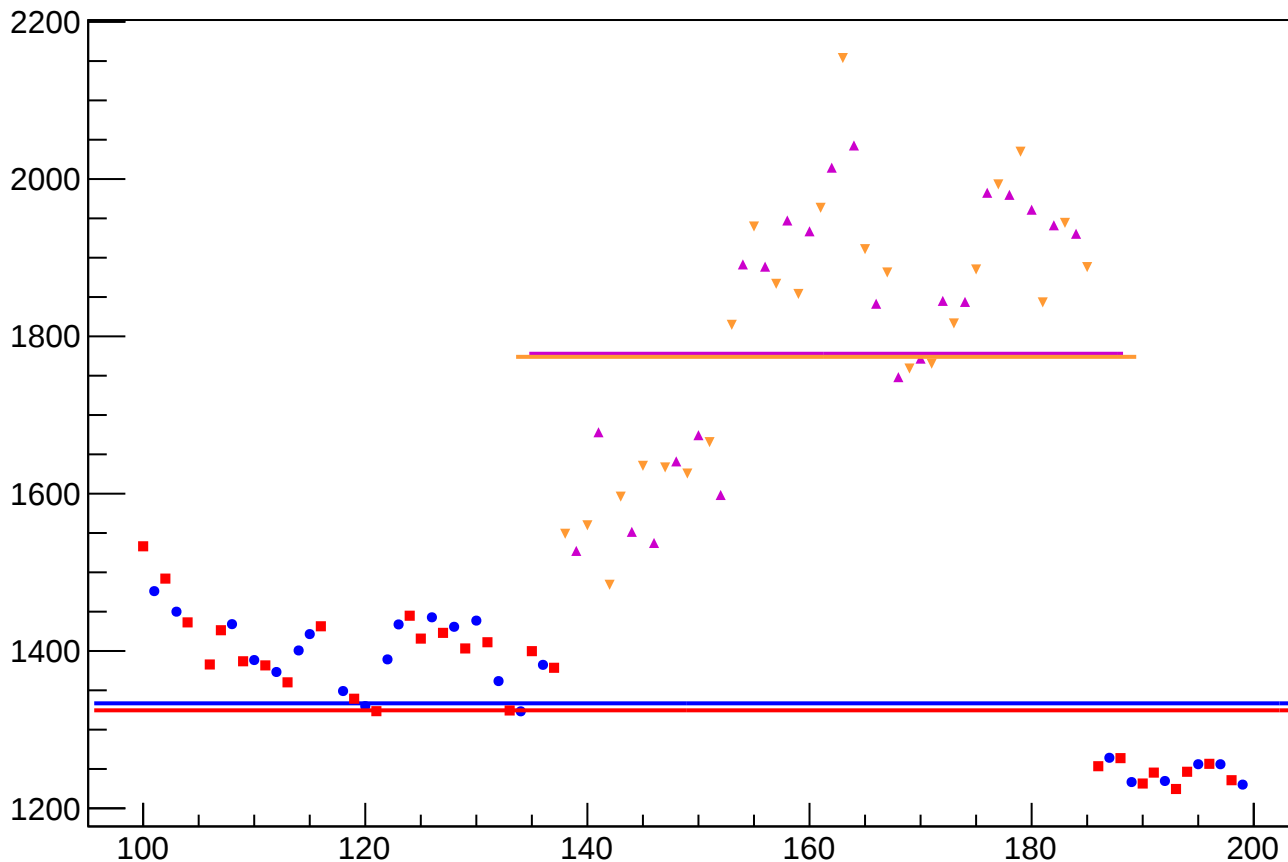
Left In: -27.583 ± 0.429 χ^2/NDF : 960.1/22

+ sign -19.723 ± 0.291 χ^2/NDF : 7805.2/47

All: -12.804 ± 0.204 χ^2/NDF : 16879.3/97

- sign -6.205 ± 0.284 χ^2/NDF : 7971.9/49

diff_bpm0i02X_rms vs Slug



Right In: 1333.454+/-0.289 χ^2/NDF : 87063.7/22

Left Out: 1773.965+/-0.294 χ^2/NDF : 313031.1/24

Right Out: 1324.563+/-0.269 χ^2/NDF : 93960.1/26

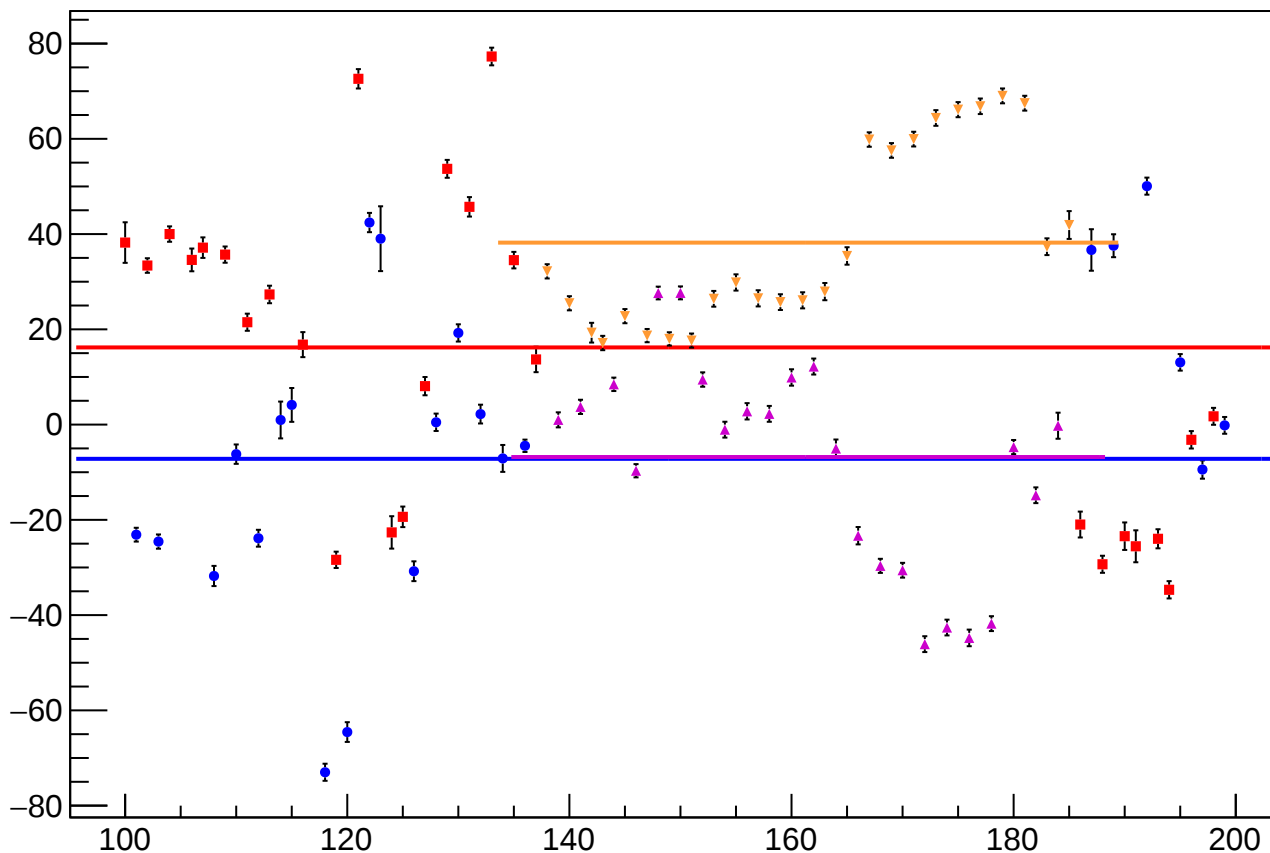
Left In: 1777.884+/-0.303 χ^2/NDF : 299514.0/22

+ sign 1550.410+/-0.206 χ^2/NDF : 1543232.9/47

All: 1536.838+/-0.144 χ^2/NDF : 3196277.3/97

- sign 1523.894+/-0.201 χ^2/NDF : 1644562.5/49

diff_bpm0i02Y_mean vs Slug



Right In: -7.187 ± 0.411 χ^2/NDF : 5262.1/22

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

Right Out: 16.202 ± 0.389 χ^2/NDF : 6913.1/26

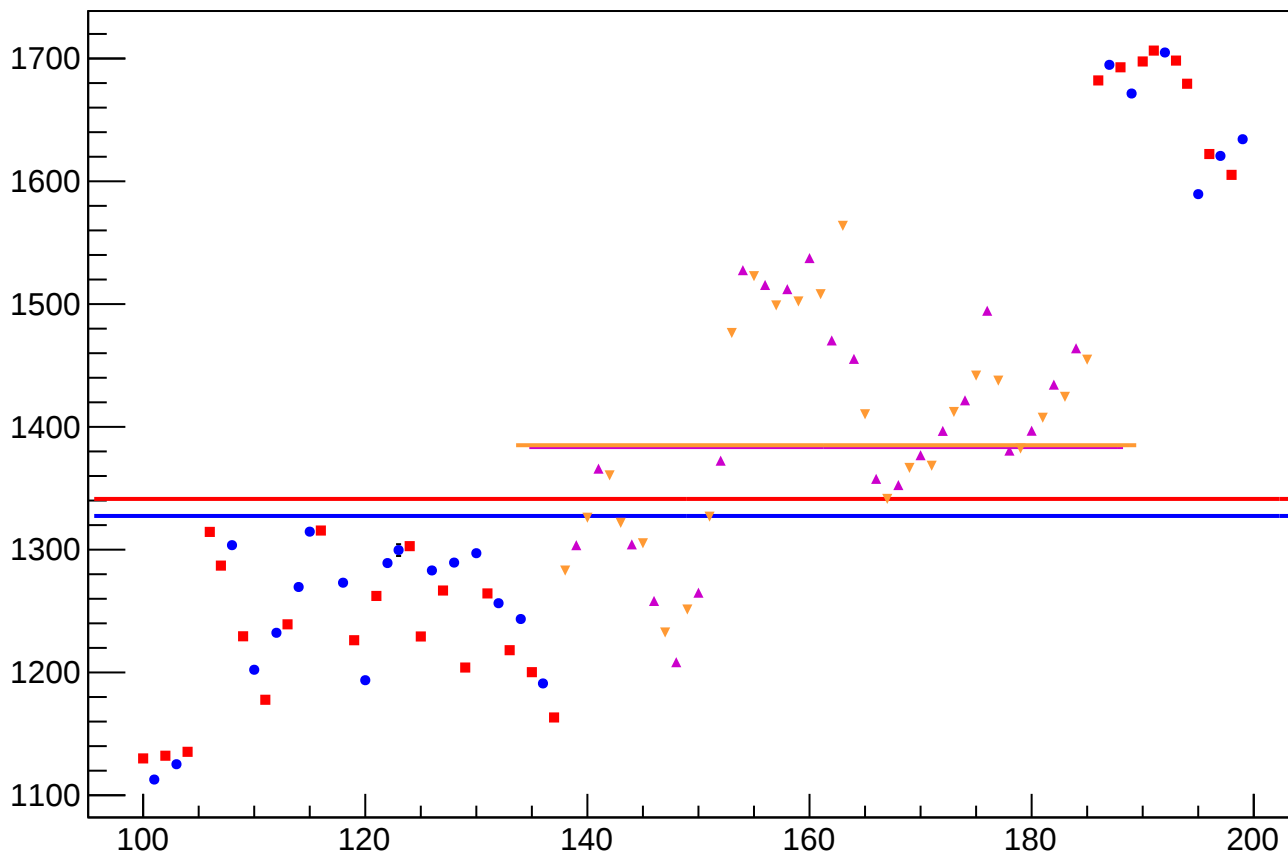
Left In: -6.808 ± 0.333 χ^2/NDF : 4494.5/22

+ sign 20.825 ± 0.254 χ^2/NDF : 16321.3/47

All: 11.837 ± 0.179 χ^2/NDF : 32242.3/97

- sign 2.927 ± 0.253 χ^2/NDF : 13428.0/49

diff_bpm0i02Y_rms vs Slug



Right In: 1327.455 $\pm$ 0.290 χ^2 /NDF: 430844.9/22

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

Right Out: 1341.324 $\pm$ 0.275 χ^2 /NDF: 559706.8/26

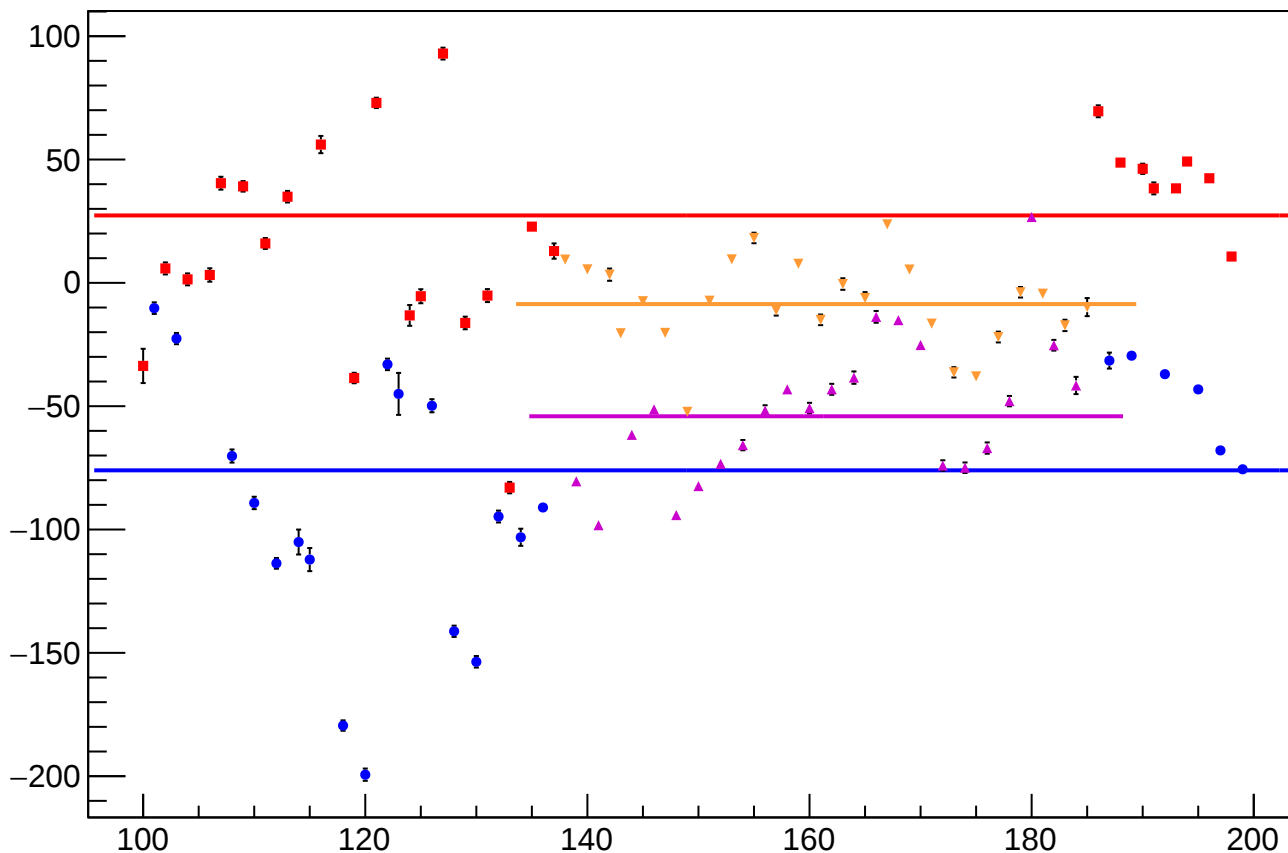
Left In: 1383.558 $\pm$ 0.235 χ^2 /NDF:154696.0/22

+ sign 1363.005 $\pm$ 0.180 χ^2 /NDF: 601149.5/47

All: 1364.353 $\pm$ 0.127 χ^2 /NDF: 1329277.4/97

- sign 1365.688 $\pm$ 0.179 χ^2 /NDF: 728015.9/49

diff_bpm0i02aX_mean vs Slug



Right In: -76.009 ± 0.448 $\chi^2/\text{NDF}: 11488.4/22$

Left Out: -8.606 ± 0.410 $\chi^2/\text{NDF}: 1930.5/24$

Right Out: 27.330 ± 0.412 $\chi^2/\text{NDF}: 6830.0/26$

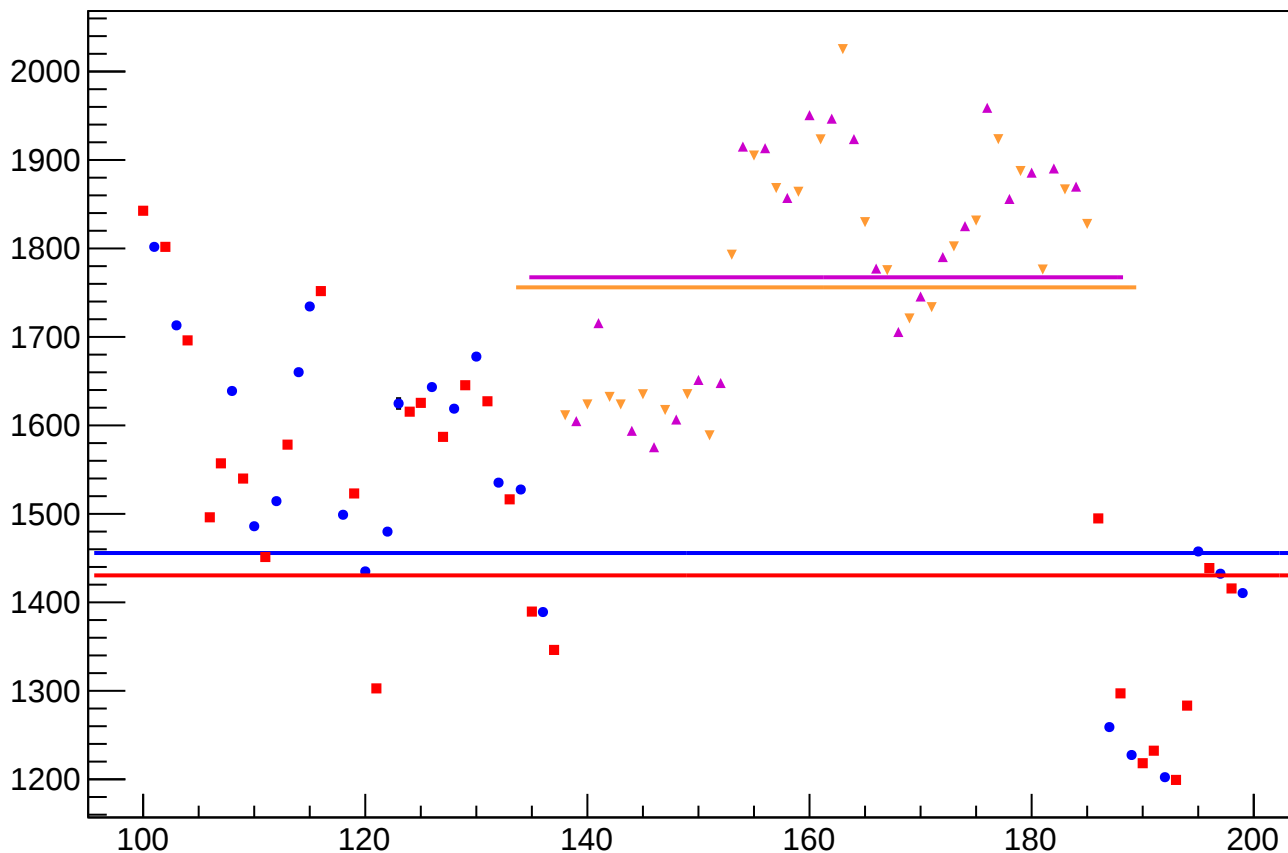
Left In: -54.089 ± 0.426 $\chi^2/\text{NDF}: 4721.6/22$

+ sign -39.319 ± 0.303 $\chi^2/\text{NDF}: 25720.9/47$

All: -25.417 ± 0.212 $\chi^2/\text{NDF}: 60273.4/97$

- sign -12.100 ± 0.296 $\chi^2/\text{NDF}: 30421.6/49$

diff_bpm0i02aX_rms vs Slug



Right In: 1455.769+/-0.317 χ^2/NDF : 260889.8/22

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

Right Out: 1430.478+/-0.292 χ^2/NDF : 307717.2/26

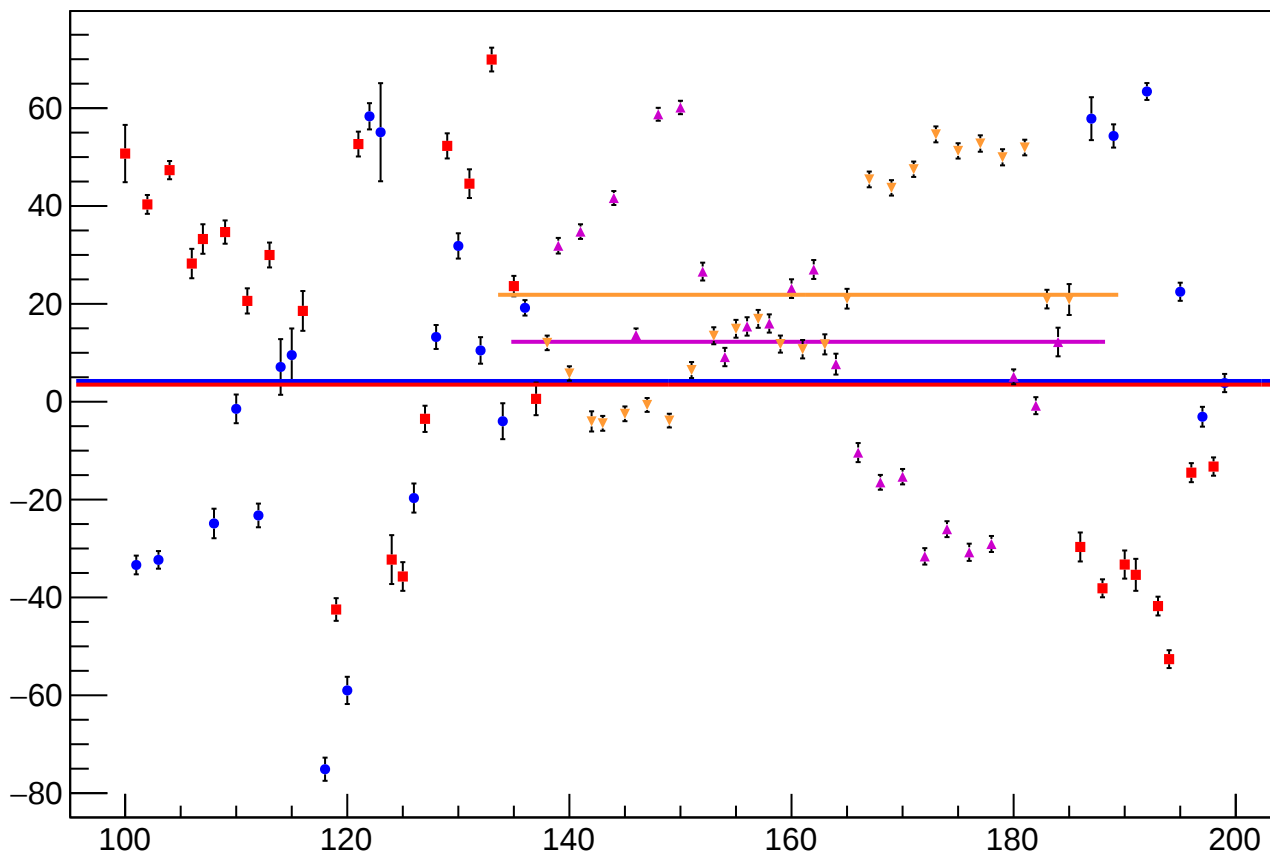
Left In: 1767.410+/-0.301 χ^2/NDF : 187958.2/22

+ sign 1619.214+/-0.214 χ^2/NDF : 924911.5/47

All: 1606.158+/-0.150 χ^2/NDF : 2074176.2/97

- sign 1593.652+/-0.209 χ^2/NDF : 1141977.9/49

diff_bpm0i02aY_mean vs Slug



Right In: 4.237 ± 0.504 χ^2/NDF : 5270.1/22

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

Right Out: 3.492 ± 0.472 χ^2/NDF : 6506.0/26

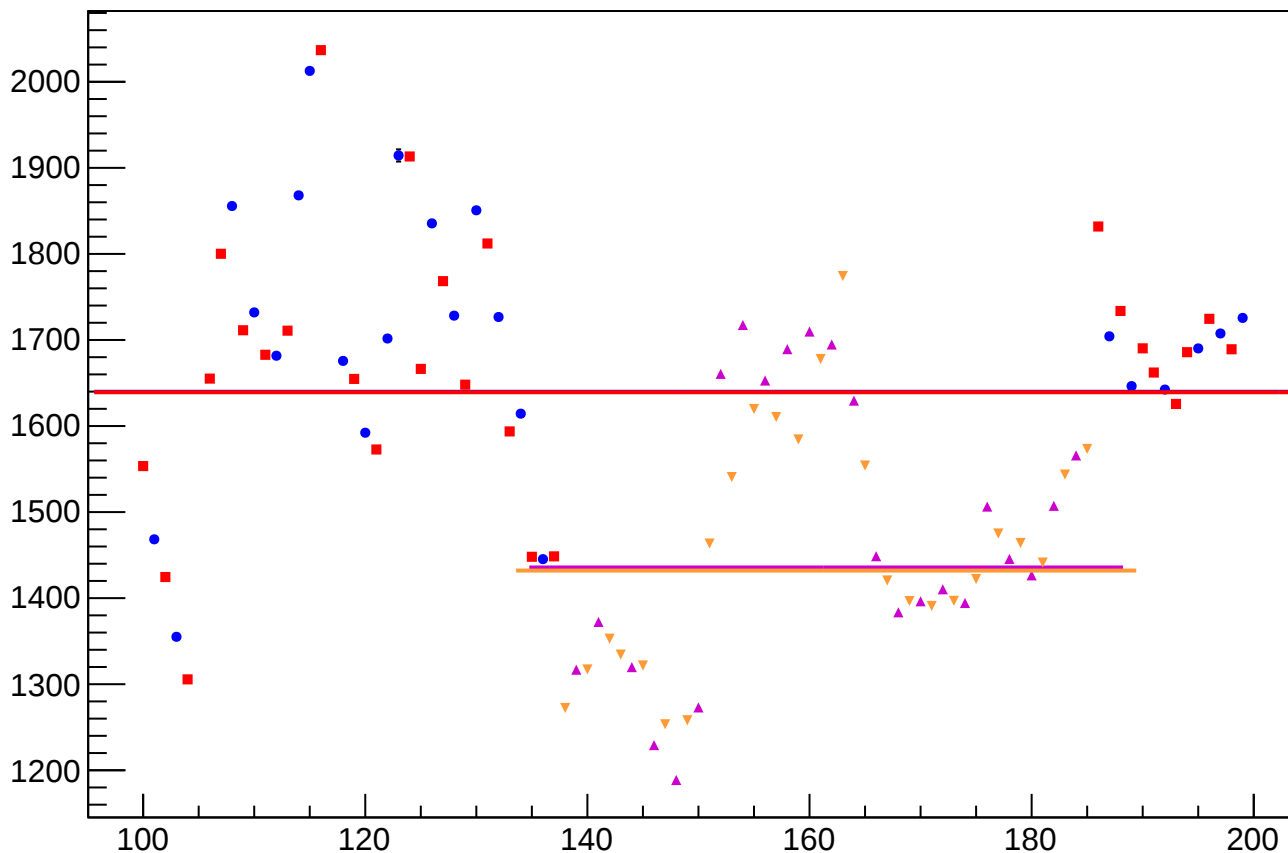
Left In: 12.246 ± 0.347 χ^2/NDF : 6781.6/22

+ sign 16.456 ± 0.279 χ^2/NDF : 10226.8/47

All: 12.819 ± 0.198 χ^2/NDF : 24077.4/97

- sign 9.173 ± 0.280 χ^2/NDF : 13510.9/49

diff_bpm0i02aY_rms vs Slug



Right In: 1639.793 $\pm$ 0.357 χ^2 /NDF: 160586.6/22

Left Out: 1432.060 $\pm$ 0.237 χ^2 /NDF: 297360.3/24

Right Out: 1639.257 $\pm$ 0.334 χ^2 /NDF: 182789.5/26

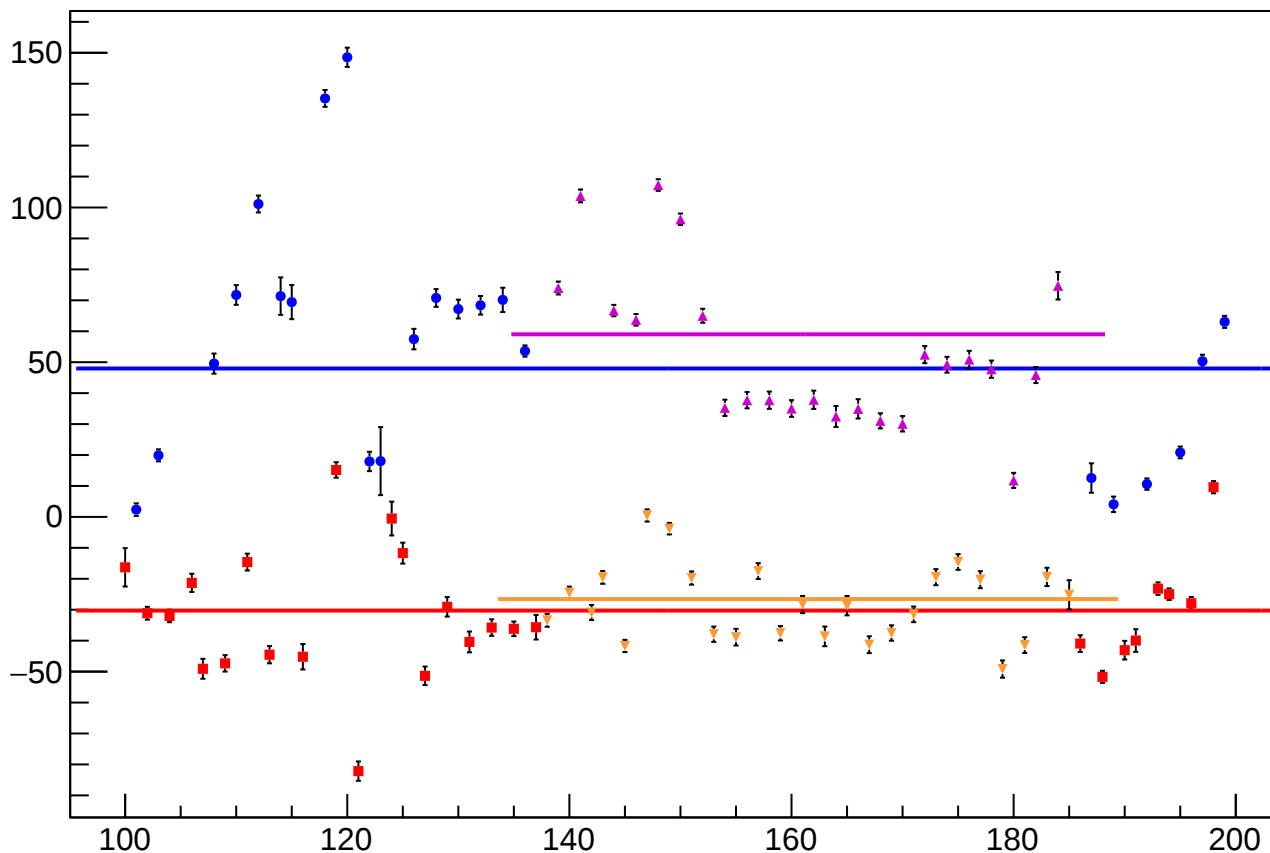
Left In: 1435.645 $\pm$ 0.245 χ^2 /NDF: 420835.0/22

+ sign 1495.723 $\pm$ 0.197 χ^2 /NDF: 693187.5/47

All: 1501.416 $\pm$ 0.140 χ^2 /NDF: 1540140.4/97

- sign 1507.123 $\pm$ 0.198 χ^2 /NDF: 845288.5/49

diff_bpm0i05X_mean vs Slug



Right In: 47.965 ± 0.550 χ^2/NDF : 4585.1/22

Left Out: -26.554 ± 0.488 χ^2/NDF : 717.5/24

Right Out: -30.268 ± 0.509 χ^2/NDF : 1491.0/26

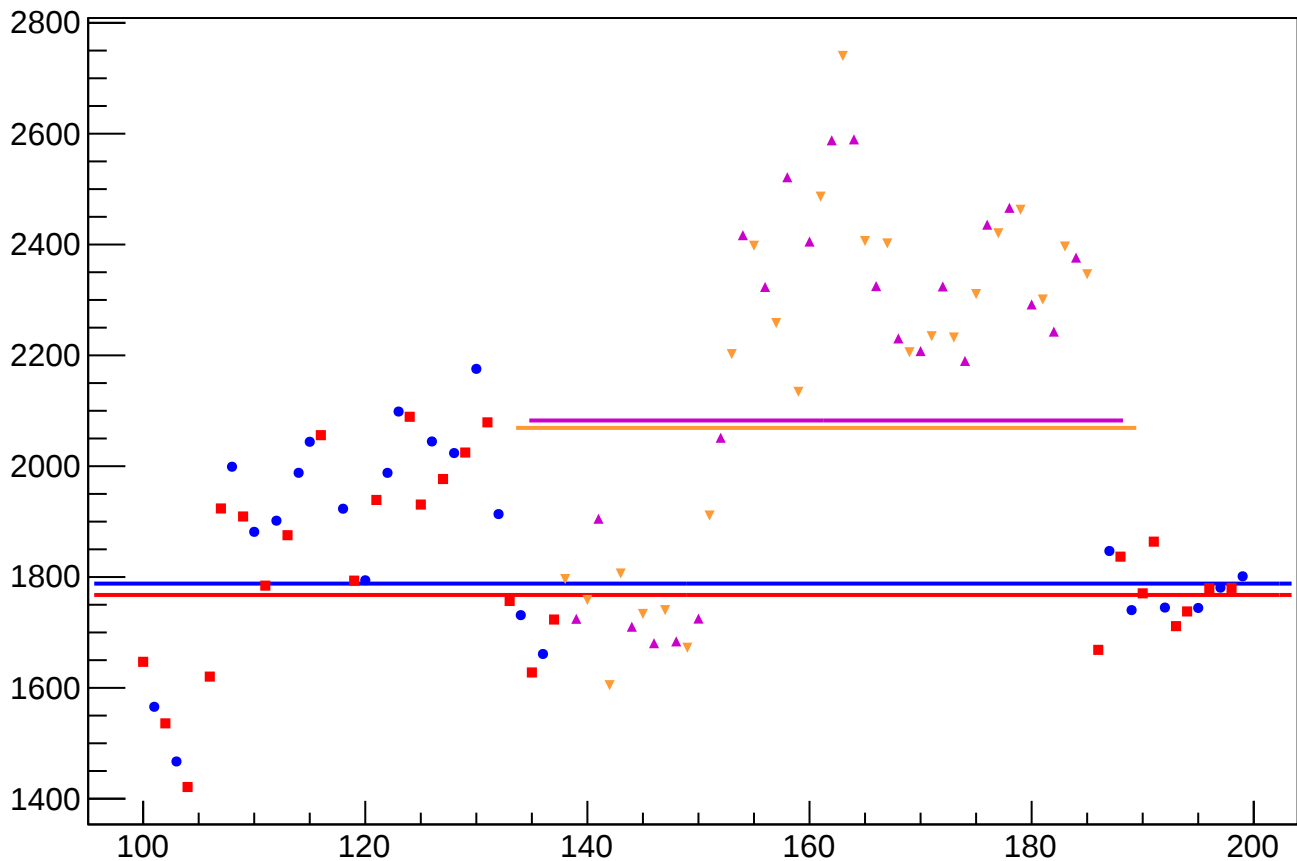
Left In: 59.014 ± 0.506 χ^2/NDF : 2783.8/22

+ sign 6.245 ± 0.365 χ^2/NDF : 15571.6/47

All: 10.477 ± 0.256 χ^2/NDF : 35583.6/97

- sign 14.568 ± 0.359 χ^2/NDF : 19747.6/49

diff_bpm0i05X_rms vs Slug



Right In: 1788.148 $\pm$ 0.389 χ^2 /NDF: 187650.3/22

Left Out: 2069.146 $\pm$ 0.345 χ^2 /NDF: 799037.9/24

Right Out: 1767.668 $\pm$ 0.360 χ^2 /NDF: 186636.1/26

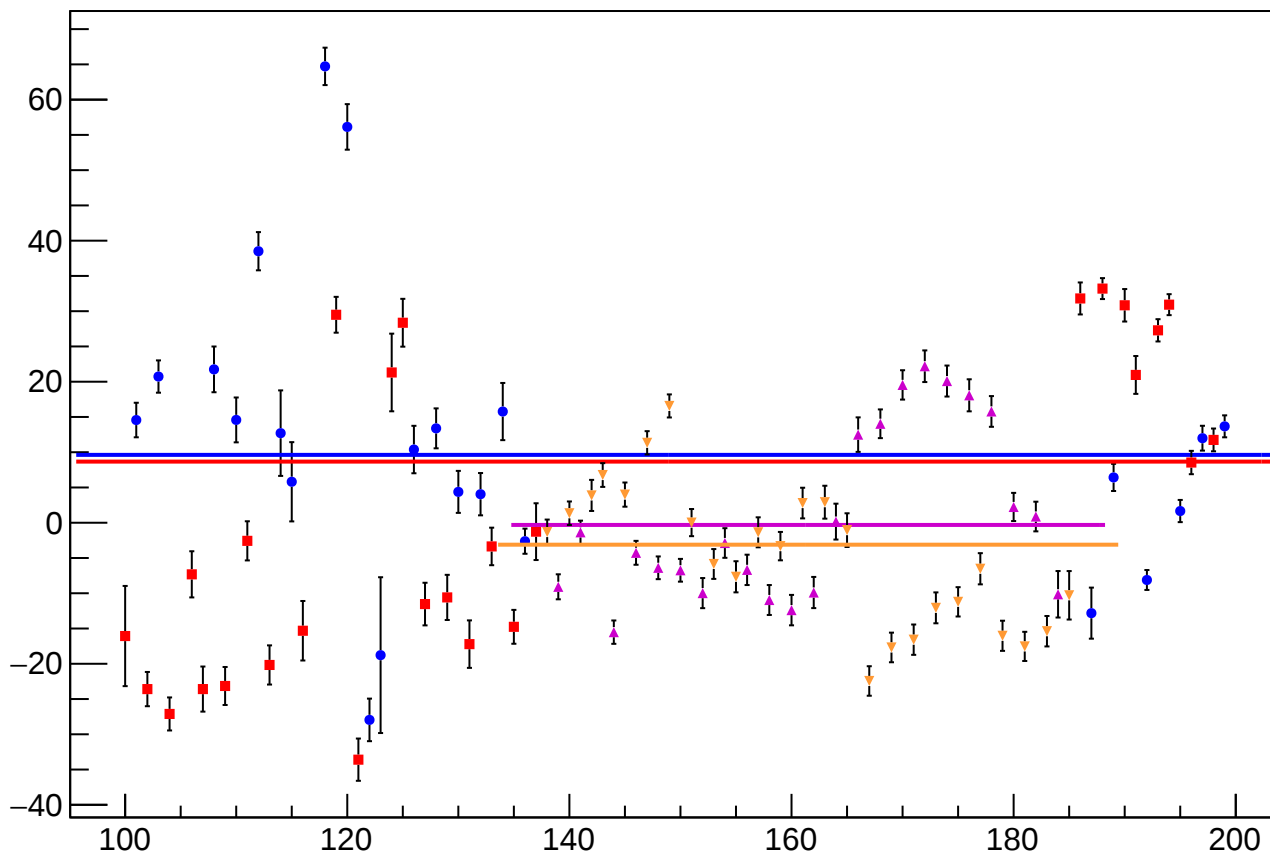
Left In: 2082.497 $\pm$ 0.358 χ^2 /NDF: 785304.0/22

+ sign 1945.468 $\pm$ 0.258 χ^2 /NDF: 1278720.6/47

All: 1935.452 $\pm$ 0.181 χ^2 /NDF: 2638410.1/97

- sign 1925.771 $\pm$ 0.254 χ^2 /NDF: 1356728.3/49

diff_bpm0i05Y_mean vs Slug



Right In: 9.624 ± 0.506 χ^2/NDF : 1249.6/22

Left Out: -3.112 ± 0.404 χ^2/NDF : 643.7/24

Right Out: 8.671 ± 0.464 χ^2/NDF : 2267.4/26

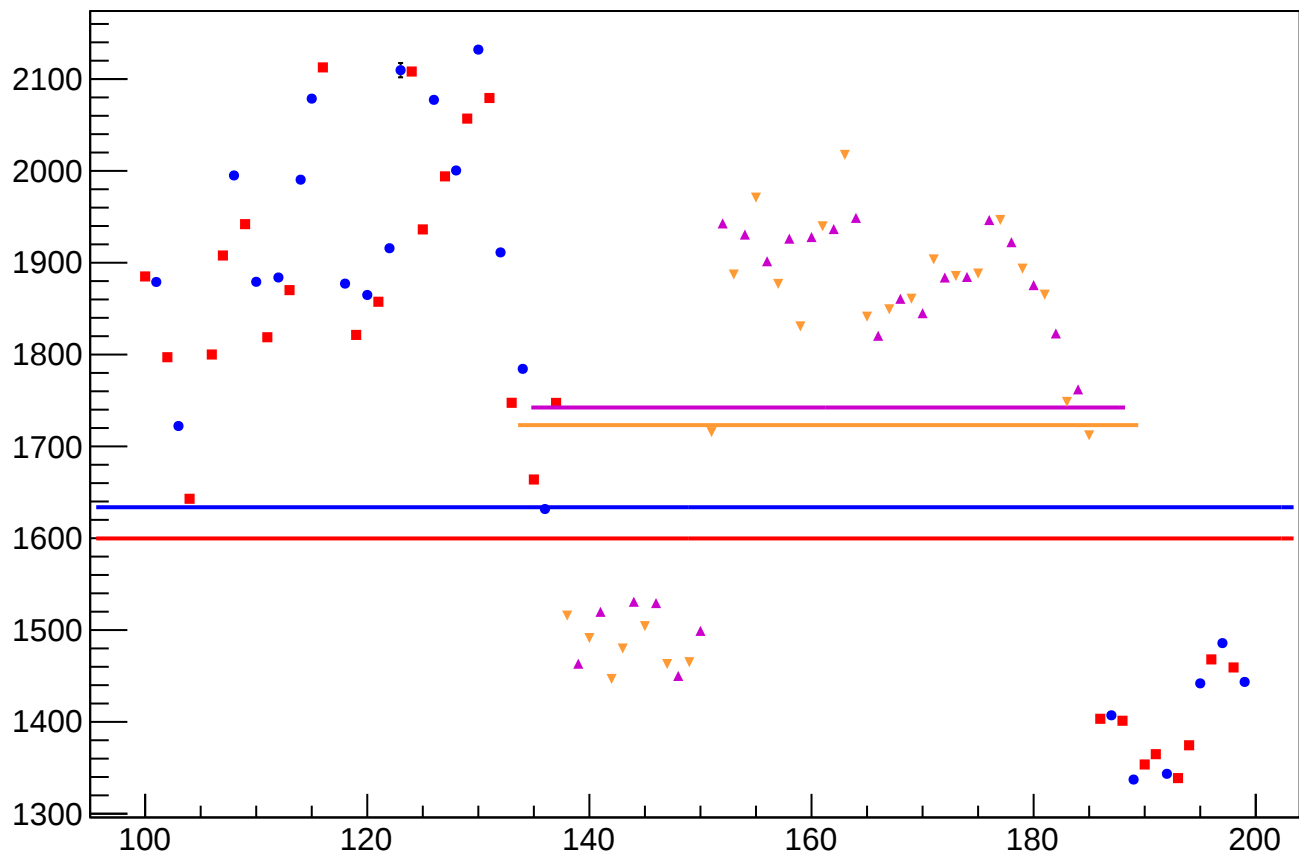
Left In: -0.312 ± 0.421 χ^2/NDF : 736.5/22

+ sign 1.846 ± 0.316 χ^2/NDF : 2279.8/47

All: 2.809 ± 0.222 χ^2/NDF : 5507.7/97

- sign 3.747 ± 0.312 χ^2/NDF : 3209.6/49

diff_bpm0i05Y_rms vs Slug



Right In: 1633.746 $\pm$ 0.358 χ^2 /NDF: 502125.4/22

Left Out: 1723.168 $\pm$ 0.286 χ^2 /NDF: 477441.1/24

Right Out: 1599.765 $\pm$ 0.328 χ^2 /NDF: 545963.5/26

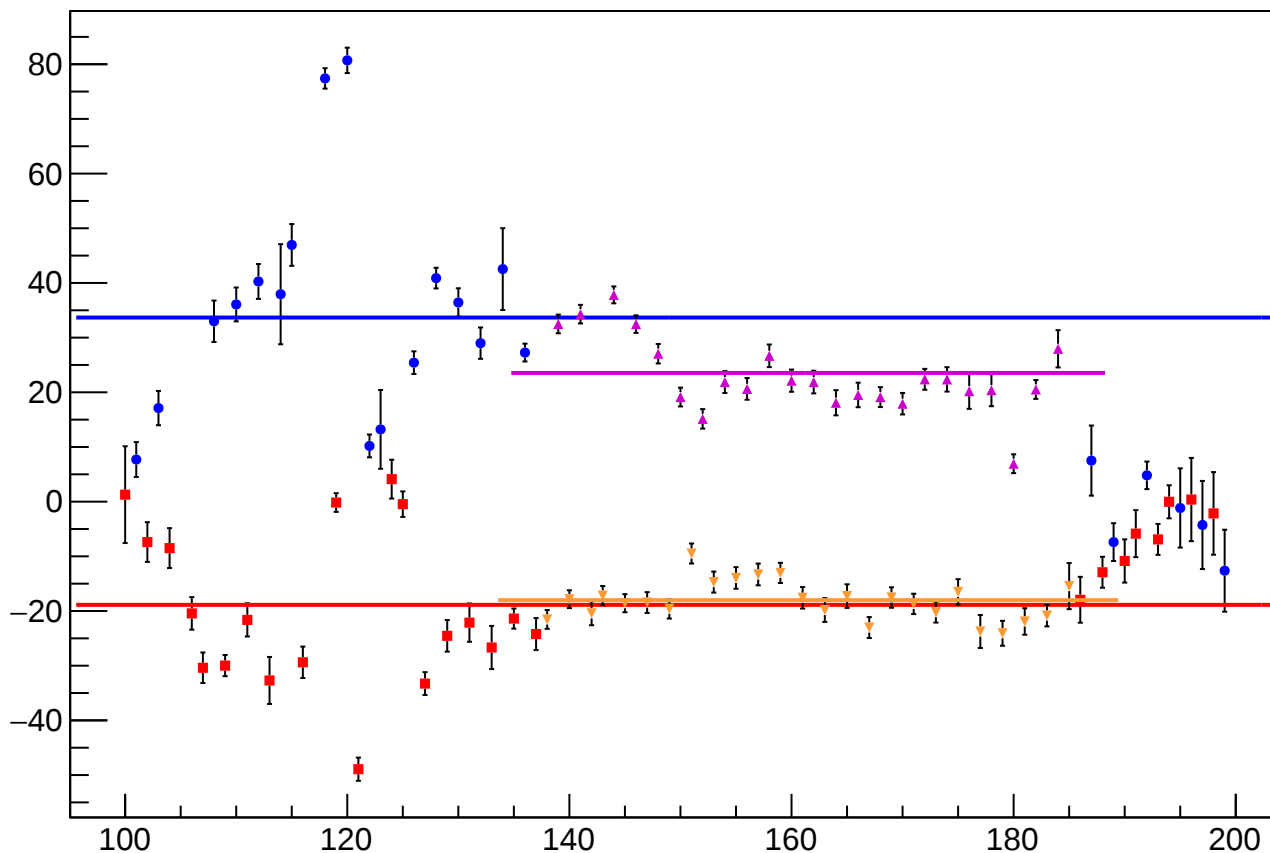
Left In: 1742.354 $\pm$ 0.298 χ^2 /NDF: 435841.5/22

+ sign 1688.360 $\pm$ 0.223 χ^2 /NDF: 1017662.2/47

All: 1683.071 $\pm$ 0.157 χ^2 /NDF: 2104205.2/97

- sign 1677.921 $\pm$ 0.220 χ^2 /NDF: 1085436.6/49

diff_bpm0i07X_mean vs Slug



Right In: 33.675 $\pm$ 0.601 χ^2 /NDF: 1627.2/22

Left Out: -18.007 $\pm$ 0.397 χ^2 /NDF: 73.8/24

Right Out: -18.872 $\pm$ 0.554 χ^2 /NDF: 670.3/26

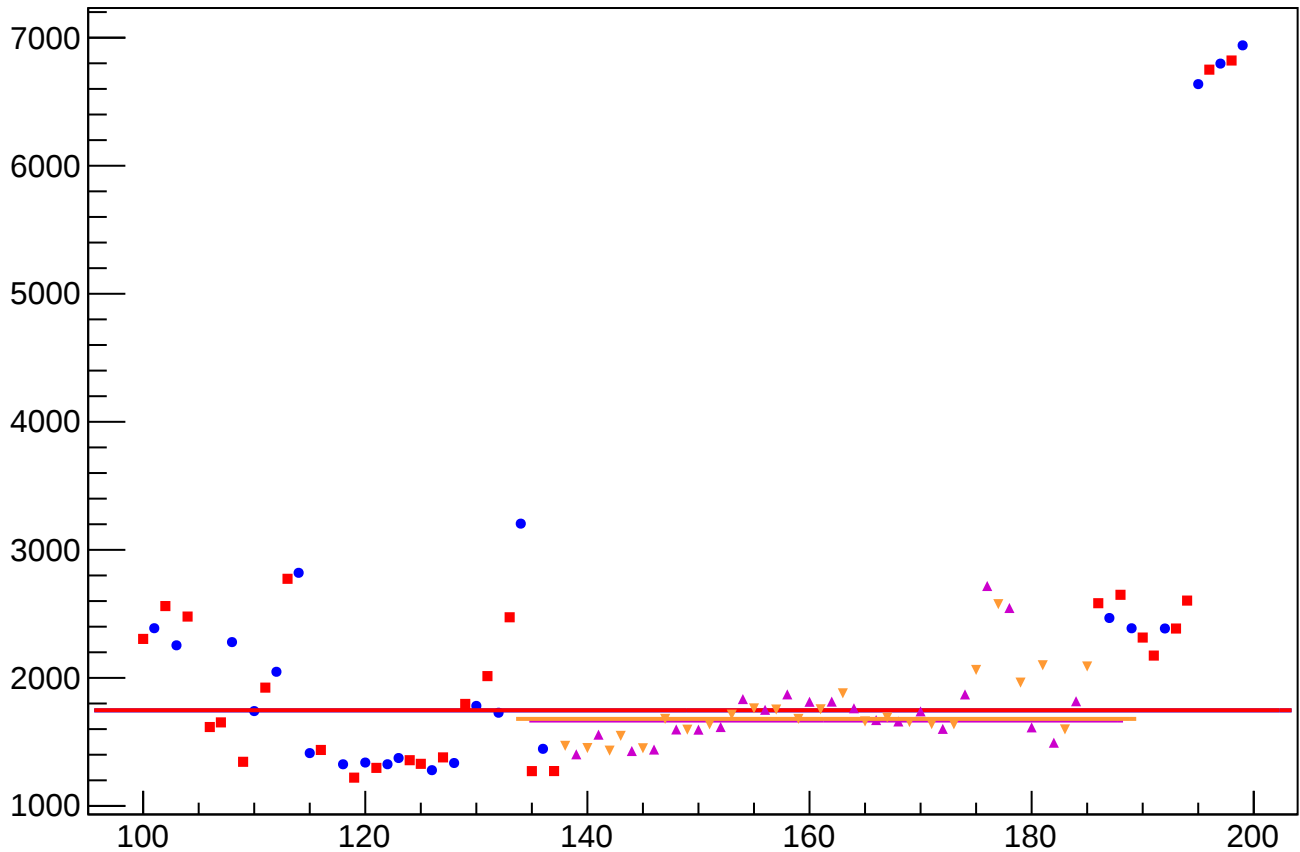
Left In: 23.544 $\pm$ 0.406 χ^2 /NDF: 346.7/22

+ sign -2.322 $\pm$ 0.331 χ^2 /NDF: 6852.3/47

All: 3.269 $\pm$ 0.233 χ^2 /NDF: 12251.4/97

- sign 8.732 $\pm$ 0.327 χ^2 /NDF: 4835.1/49

diff_bpm0i07X_rms vs Slug



Right In: 1745.948+/-0.425 χ^2/NDF : 3704605.2/22

Left Out: 1679.814+/-0.281 χ^2/NDF : 522795.6/24

Right Out: 1747.487+/-0.392 χ^2/NDF : 3494793.6/26

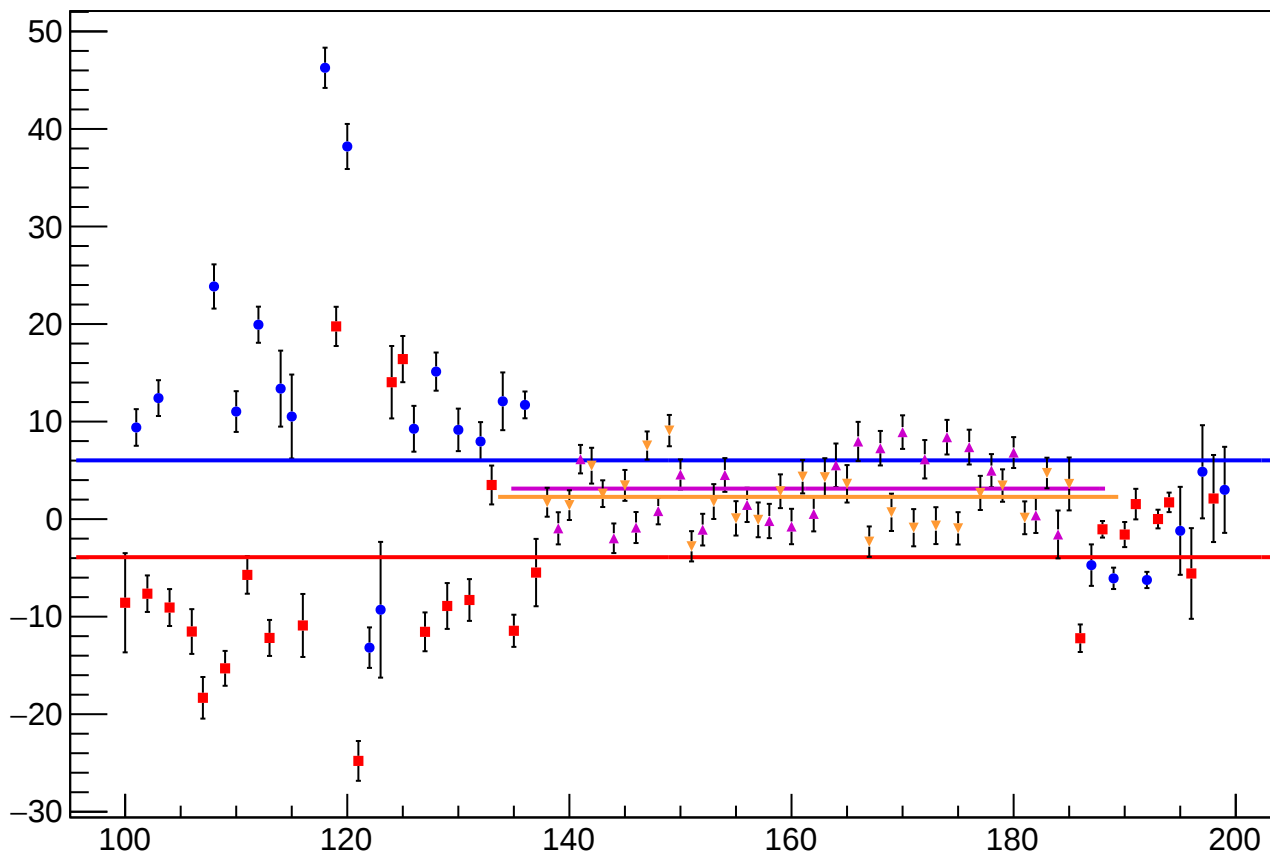
Left In: 1666.819+/-0.287 χ^2/NDF : 650990.8/22

+ sign 1699.886+/-0.234 χ^2/NDF : 4244271.0/47

All: 1697.409+/-0.165 χ^2/NDF : 8417895.7/97

- sign 1694.989+/-0.231 χ^2/NDF : 4173403.4/49

diff_bpm0i07Y_mean vs Slug



Right In: 6.023 ± 0.399 χ^2/NDF : 1225.1/22

Left Out: 2.280 ± 0.338 χ^2/NDF : 75.6/24

Right Out: -3.902 ± 0.330 χ^2/NDF : 645.5/26

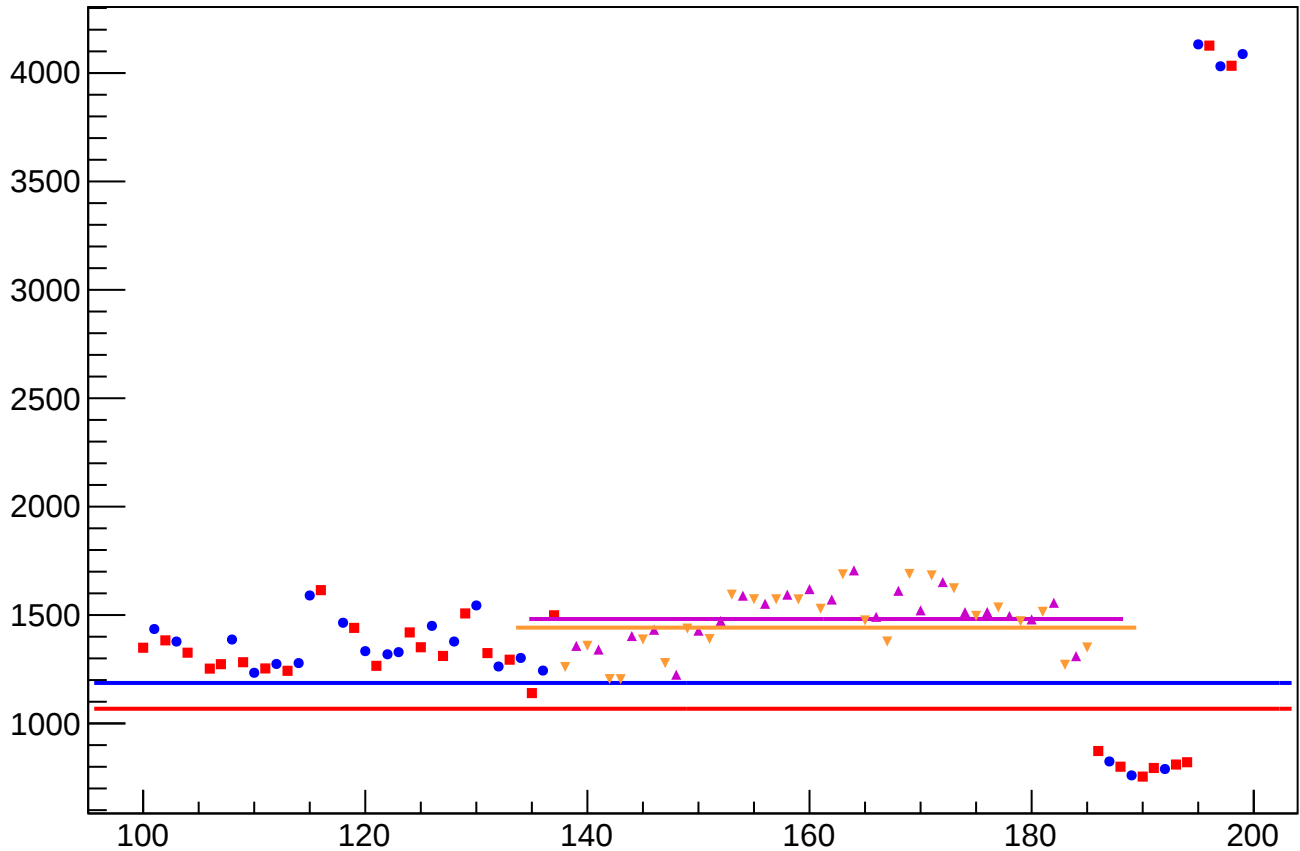
Left In: 3.129 ± 0.358 χ^2/NDF : 103.4/22

+ sign 3.846 ± 0.258 χ^2/NDF : 1351.9/47

All: 1.453 ± 0.177 χ^2/NDF : 2471.6/97

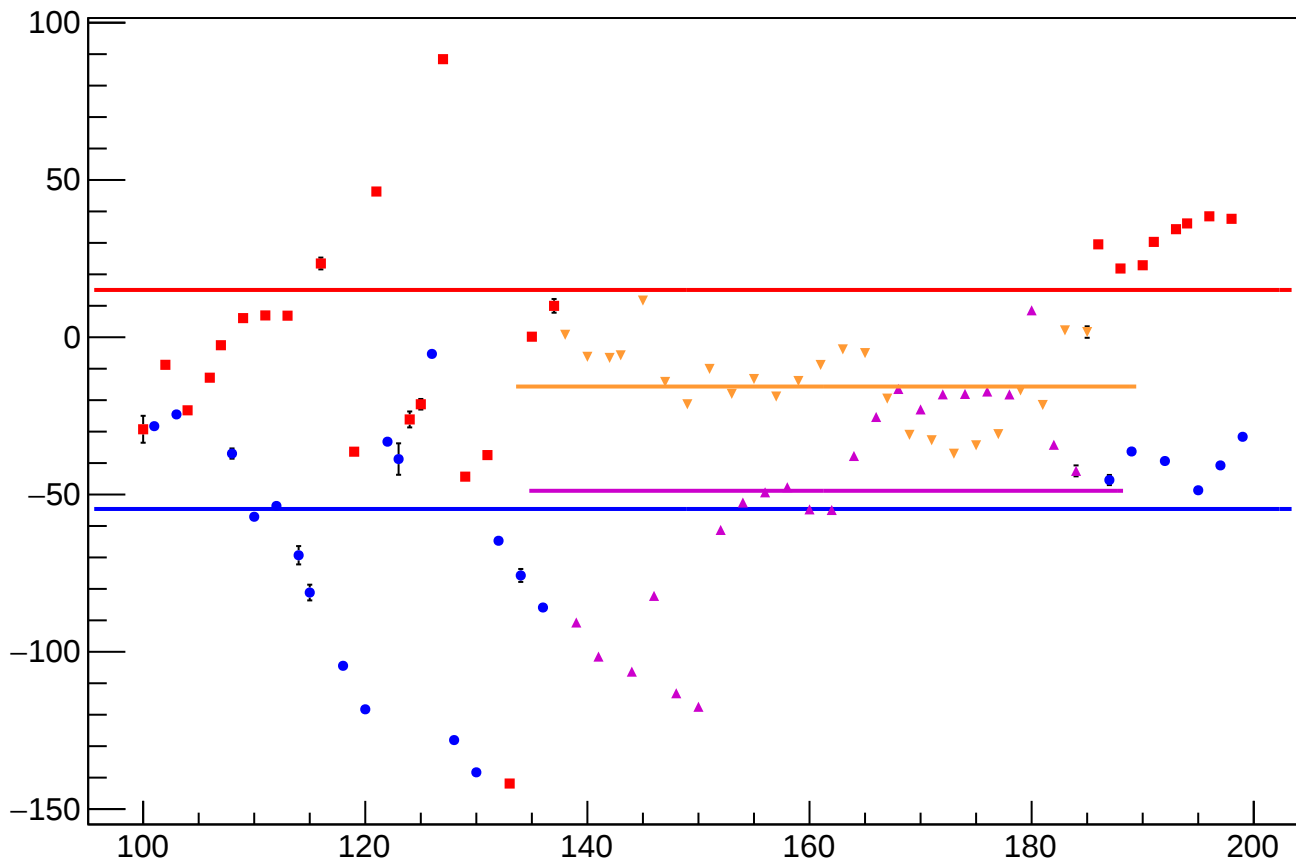
- sign -0.666 ± 0.243 χ^2/NDF : 957.4/49

diff_bpm0i07Y_rms vs Slug



Right In: 1186.759+/-0.282	χ^2/NDF : 3502744.7/22	+ sign 1335.171+/-0.182	χ^2/NDF : 4349713.3/47
Left Out: 1441.951+/-0.239	χ^2/NDF : 370617.4/24	All: 1294.373+/-0.125	χ^2/NDF : 9108295.3/97
Right Out: 1067.719+/-0.234	χ^2/NDF : 3009547.3/26	- sign 1258.273+/-0.172	χ^2/NDF : 4664280.9/49
Left In: 1481.695+/-0.253	χ^2/NDF : 208470.6/22		

diff_bpm1i02X_mean vs Slug



Right In: -54.593 ± 0.243 χ^2/NDF : 16428.0/22

Left Out: -15.666 ± 0.212 χ^2/NDF : 3518.1/24

Right Out: 15.038 ± 0.223 χ^2/NDF : 27391.0/26

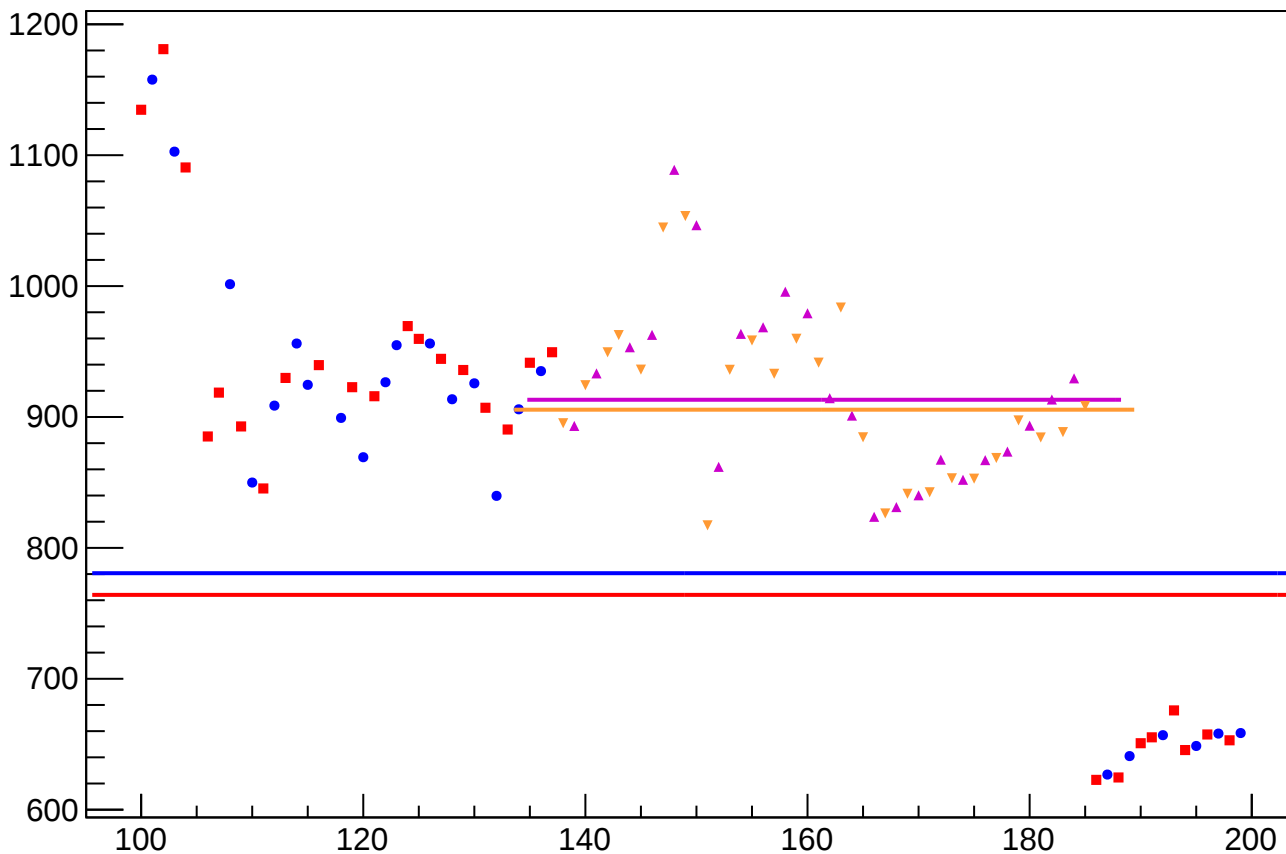
Left In: -48.812 ± 0.220 χ^2/NDF : 25260.8/22

+ sign -32.410 ± 0.160 χ^2/NDF : 34514.7/47

All: -24.737 ± 0.112 χ^2/NDF : 133242.9/97

- sign -17.356 ± 0.157 χ^2/NDF : 94197.7/49

diff_bpm1i02X_rms vs Slug



Right In: 780.669 $\pm$ 0.172 χ^2 /NDF: 778205.1/22

Left Out: 905.578 $\pm$ 0.150 χ^2 /NDF: 162073.5/24

Right Out: 764.106 $\pm$ 0.158 χ^2 /NDF: 917723.3/26

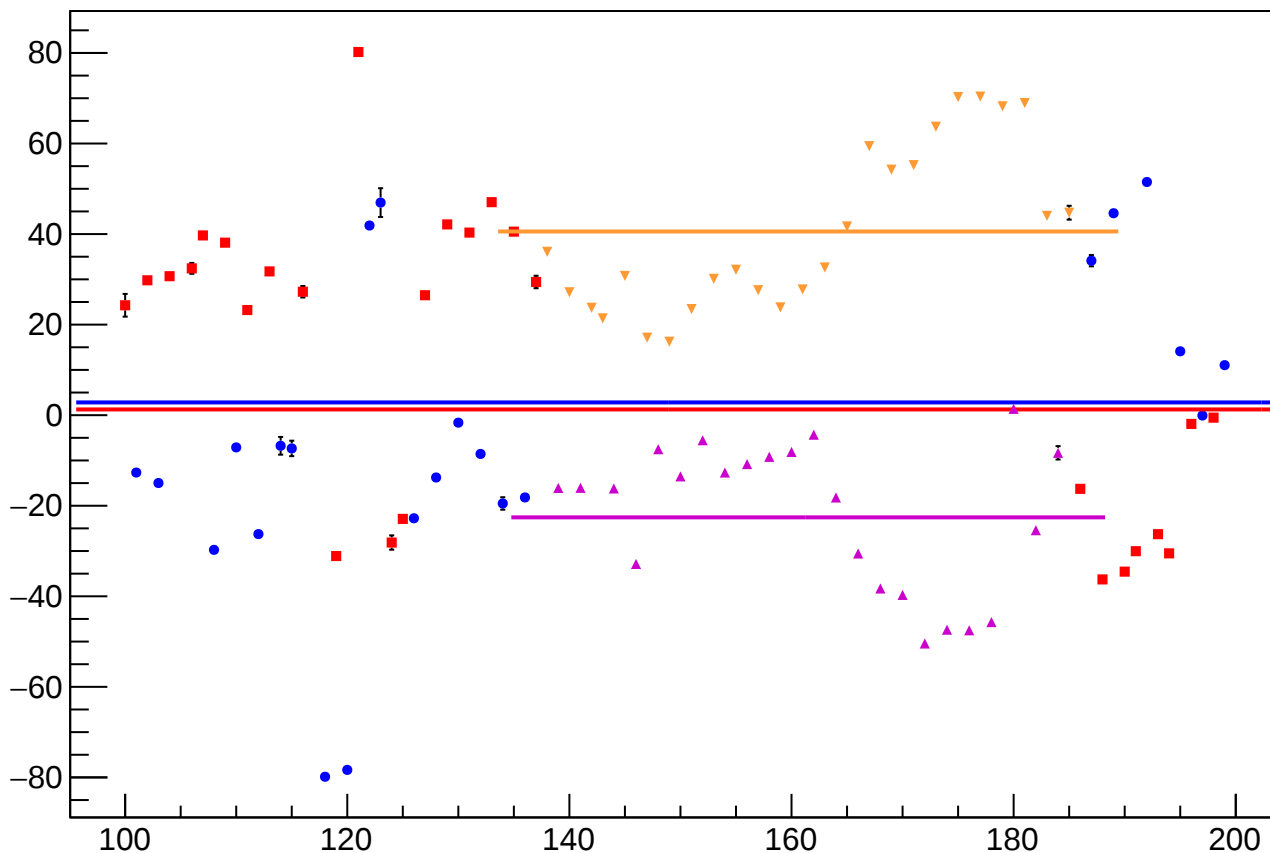
Left In: 913.165 $\pm$ 0.155 χ^2 /NDF: 174438.8/22

+ sign 851.850 $\pm$ 0.113 χ^2 /NDF: 1240299.5/47

All: 845.672 $\pm$ 0.079 χ^2 /NDF: 2791182.8/97

- sign 839.729 $\pm$ 0.111 χ^2 /NDF: 1545009.0/49

diff_bpm1i02Y_mean vs Slug



Right In: 2.817+/-0.172 χ^2/NDF : 35396.0/22

Left Out: 40.573+/-0.168 χ^2/NDF : 12079.0/24

Right Out: 1.268+/-0.159 χ^2/NDF : 40925.1/26

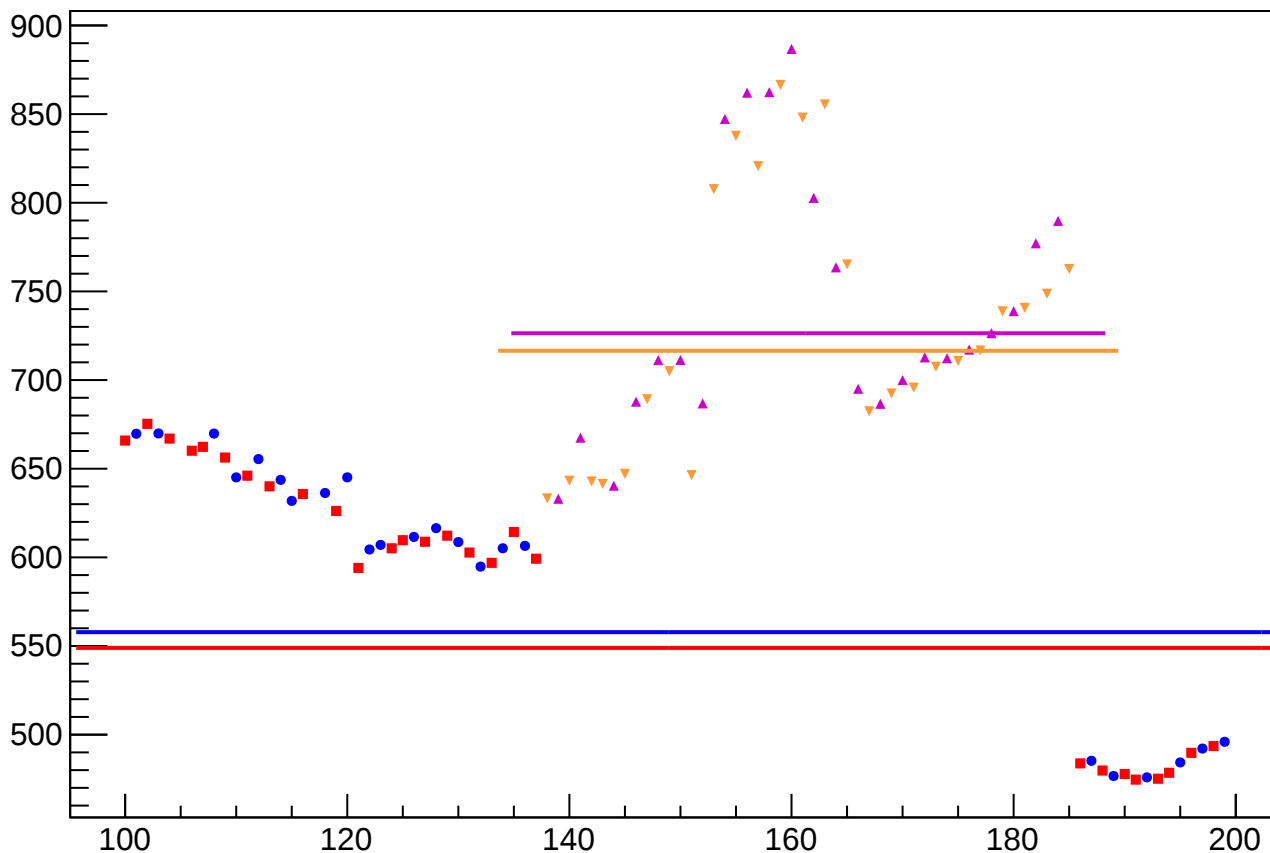
Left In: -22.565+/-0.175 χ^2/NDF : 8167.7/22

+ sign 22.183+/-0.120 χ^2/NDF : 72122.1/47

All: 6.016+/-0.084 χ^2/NDF : 166788.1/97

- sign -9.467+/-0.118 χ^2/NDF : 59253.5/49

diff_bpm1i02Y_rms vs Slug



Right In: 557.809 $\pm$ 0.122 χ^2 /NDF: 378097.6/22

Left Out: 716.515 $\pm$ 0.119 χ^2 /NDF:342740.2/24

Right Out: 548.941 $\pm$ 0.112 χ^2 /NDF: 452631.9/26

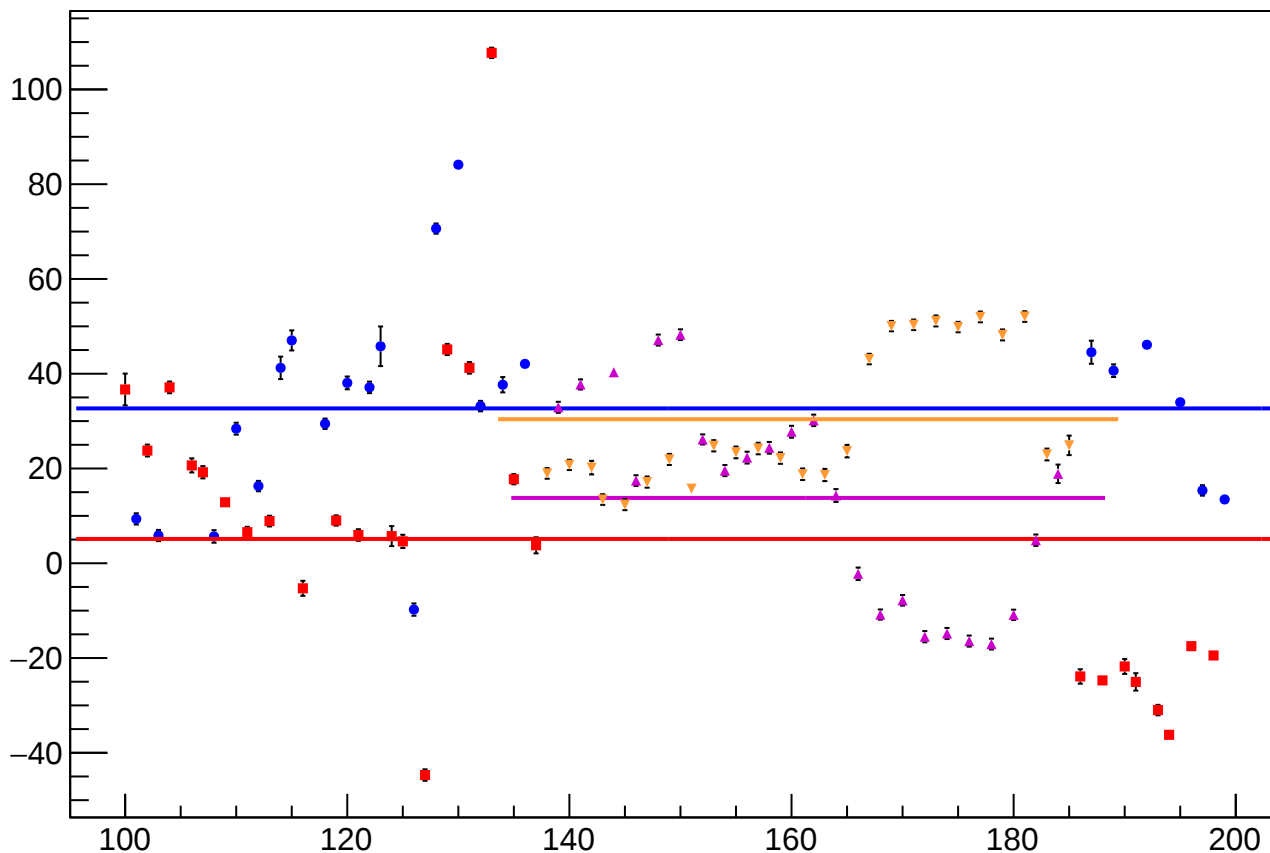
Left In: 726.390 $\pm$ 0.124 χ^2 /NDF:289788.8/22

+ sign 639.216 $\pm$ 0.085 χ^2 /NDF: 1591824.3/47

All: 633.930 $\pm$ 0.059 χ^2 /NDF: 3468319.8/97

- sign 628.867 $\pm$ 0.083 χ^2 /NDF: 1868924.2/49

diff_bpm1i04X_mean vs Slug



Right In: 32.680 ± 0.253 χ^2/NDF : 7289.9/22

Left Out: 30.408 ± 0.237 χ^2/NDF : 3808.0/24

Right Out: 5.131 ± 0.239 χ^2/NDF : 19585.0/26

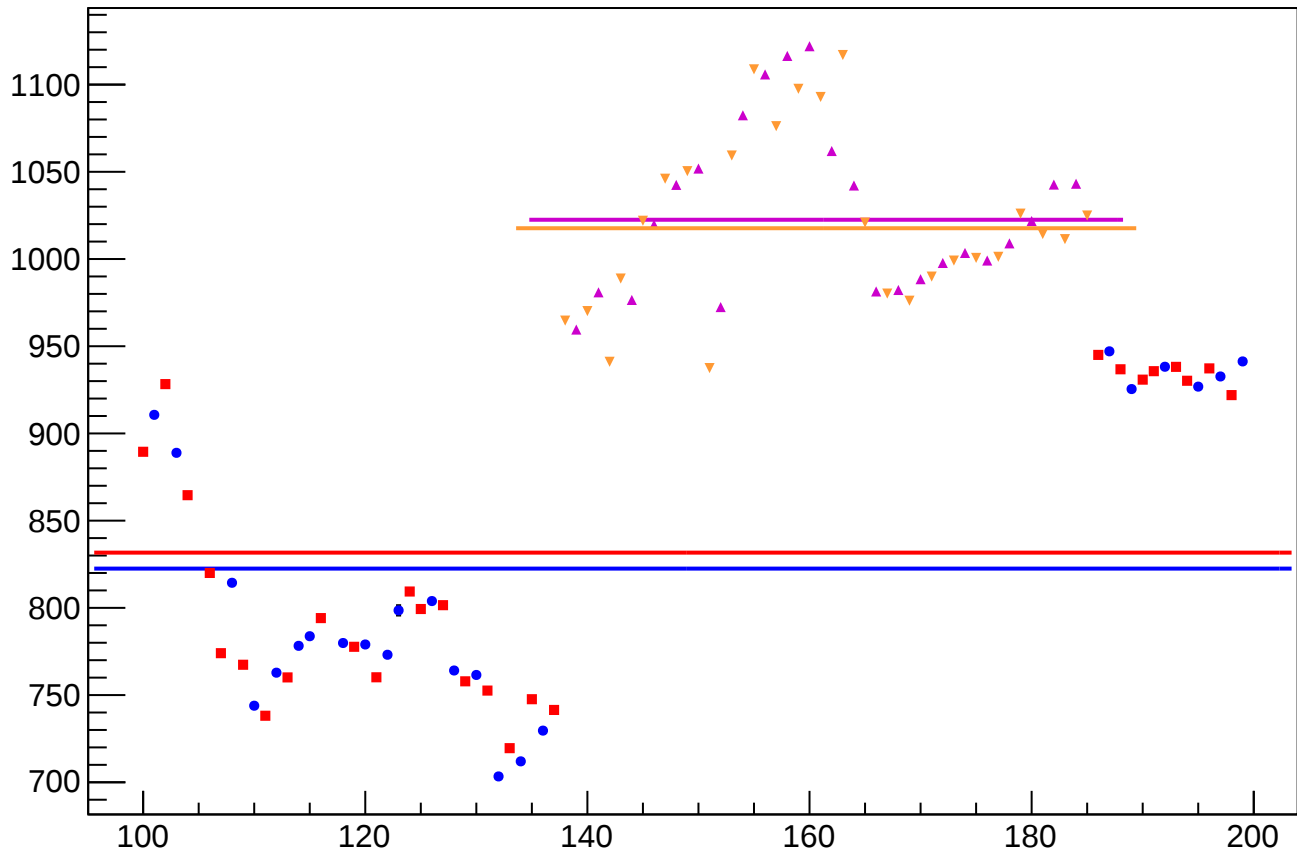
Left In: 13.787 ± 0.246 χ^2/NDF : 7979.7/22

+ sign 31.471 ± 0.173 χ^2/NDF : 11140.8/47

All: 20.301 ± 0.122 χ^2/NDF : 47585.0/97

- sign 9.344 ± 0.172 χ^2/NDF : 28201.0/49

diff_bpm1i04X_rms vs Slug



Right In: 822.510 ± 0.179 $\chi^2/\text{NDF}: 226903.8/22$

Left Out: 1017.653 ± 0.168 $\chi^2/\text{NDF}: 83612.5/24$

Right Out: 831.667 ± 0.169 $\chi^2/\text{NDF}: 238654.9/26$

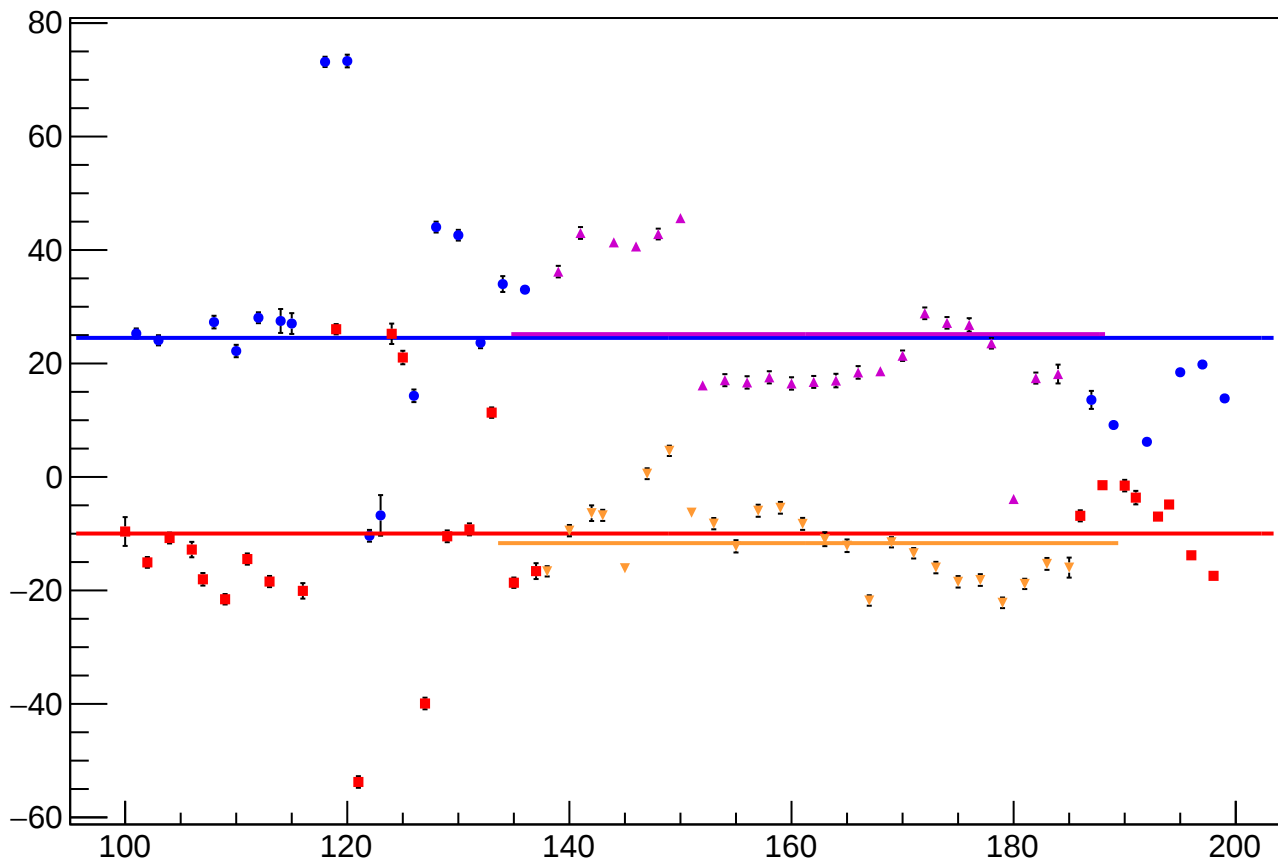
Left In: 1022.511 ± 0.174 $\chi^2/\text{NDF}: 69635.5/22$

+ sign 926.330 ± 0.122 $\chi^2/\text{NDF}: 942939.9/47$

All: 925.434 ± 0.086 $\chi^2/\text{NDF}: 1870031.8/97$

- sign 924.555 ± 0.121 $\chi^2/\text{NDF}: 926985.9/49$

diff_bpm1i04Y_mean vs Slug



Right In: 24.513 ± 0.192 χ^2/NDF : 8761.9/22

Left Out: -11.664 ± 0.200 χ^2/NDF : 1147.4/24

Right Out: -9.972 ± 0.181 χ^2/NDF : 6888.6/26

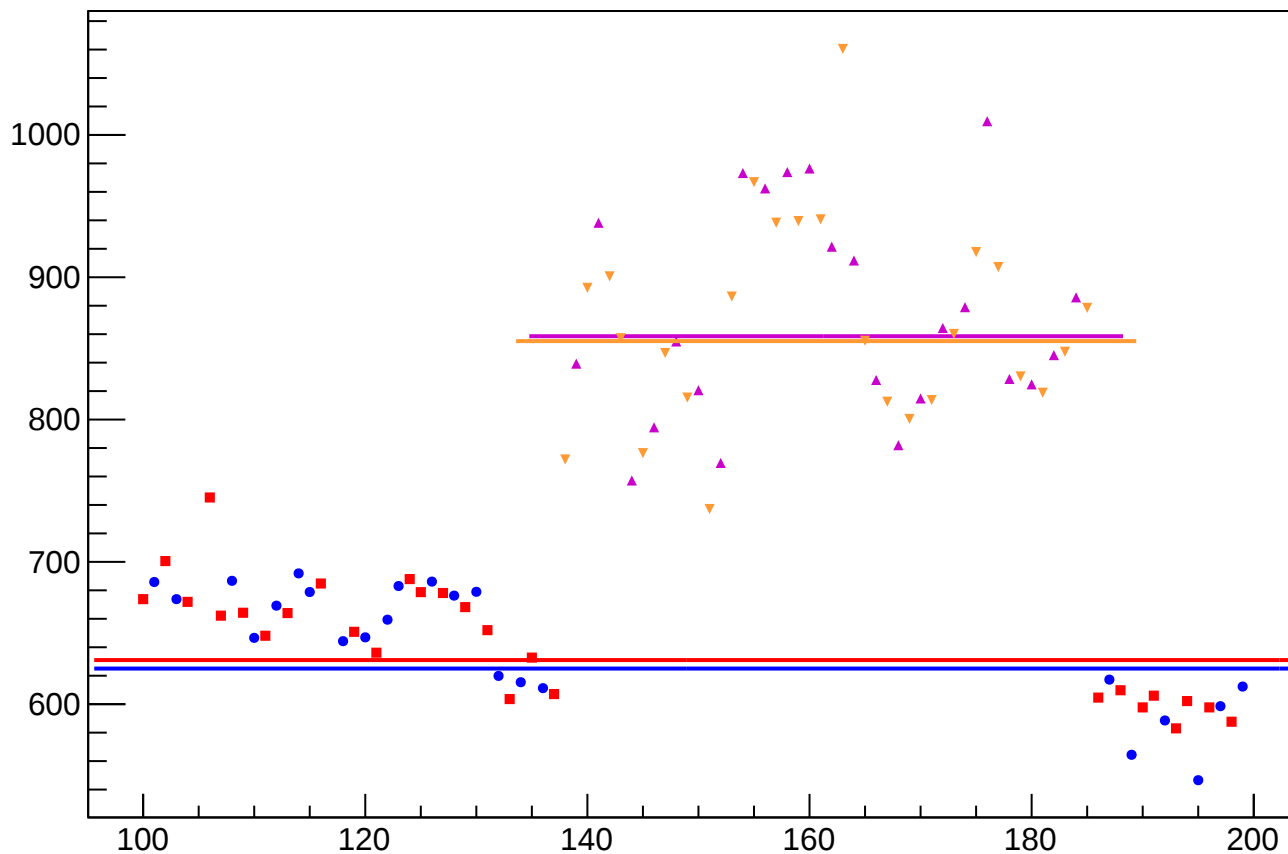
Left In: 25.174 ± 0.207 χ^2/NDF : 3747.1/22

+ sign 7.176 ± 0.139 χ^2/NDF : 26900.4/47

All: 6.196 ± 0.097 χ^2/NDF : 53919.9/97

- sign 5.247 ± 0.136 χ^2/NDF : 26921.1/49

diff_bpm1i04Y_rms vs Slug



Right In: 625.028 ± 0.136 $\chi^2/\text{NDF}: 108860.5/22$

Left Out: 855.131 ± 0.142 $\chi^2/\text{NDF}: 233746.7/24$

Right Out: 630.999 ± 0.128 $\chi^2/\text{NDF}: 89344.9/26$

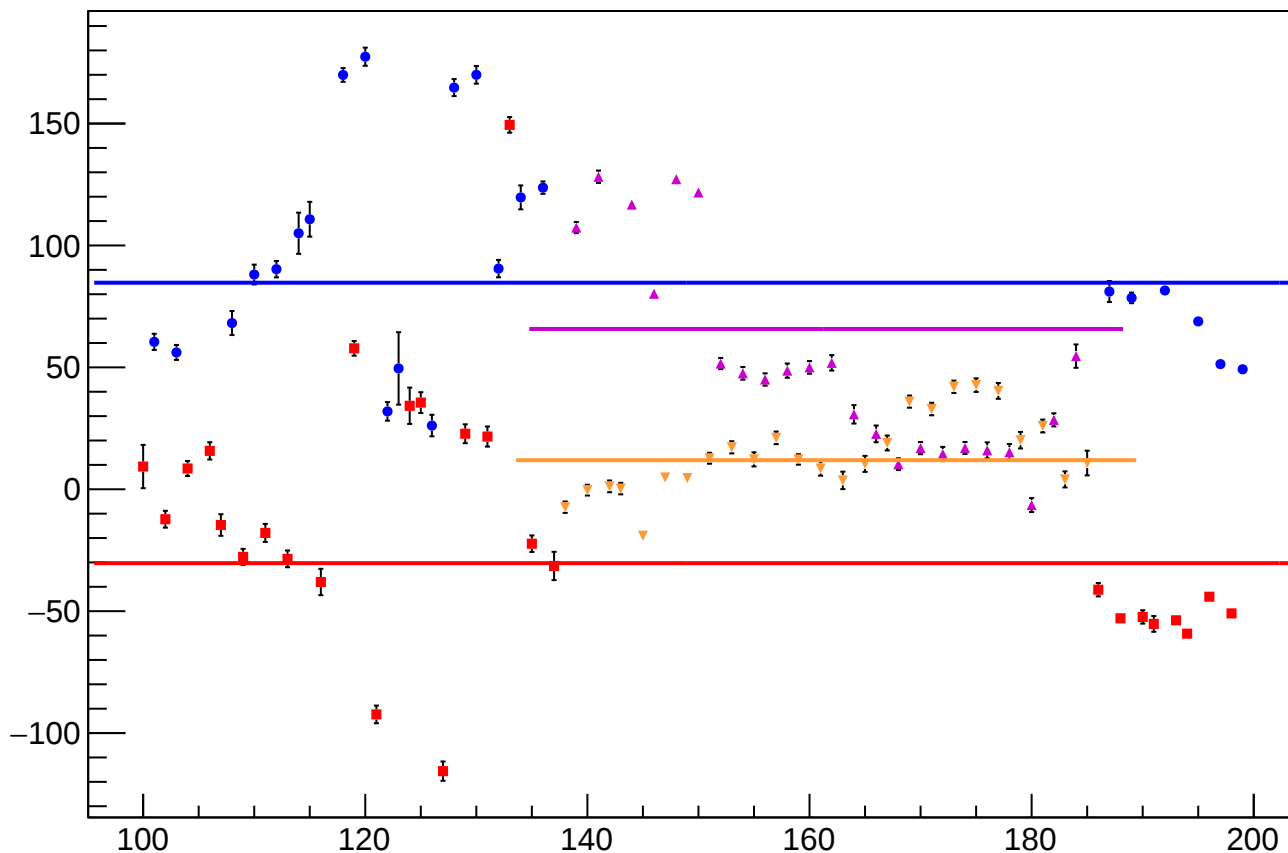
Left In: 858.563 ± 0.147 $\chi^2/\text{NDF}: 239019.8/22$

+ sign 735.299 ± 0.098 $\chi^2/\text{NDF}: 1717399.5/47$

All: 732.375 ± 0.069 $\chi^2/\text{NDF}: 3412996.2/97$

- sign 729.542 ± 0.096 $\chi^2/\text{NDF}: 1693845.3/49$

diff_bpm1i06X_mean vs Slug



Right In: 84.723 ± 0.608 χ^2/NDF : 4192.0/22

Left Out: 11.938 ± 0.505 χ^2/NDF : 976.6/24

Right Out: -30.307 ± 0.562 χ^2/NDF : 6717.4/26

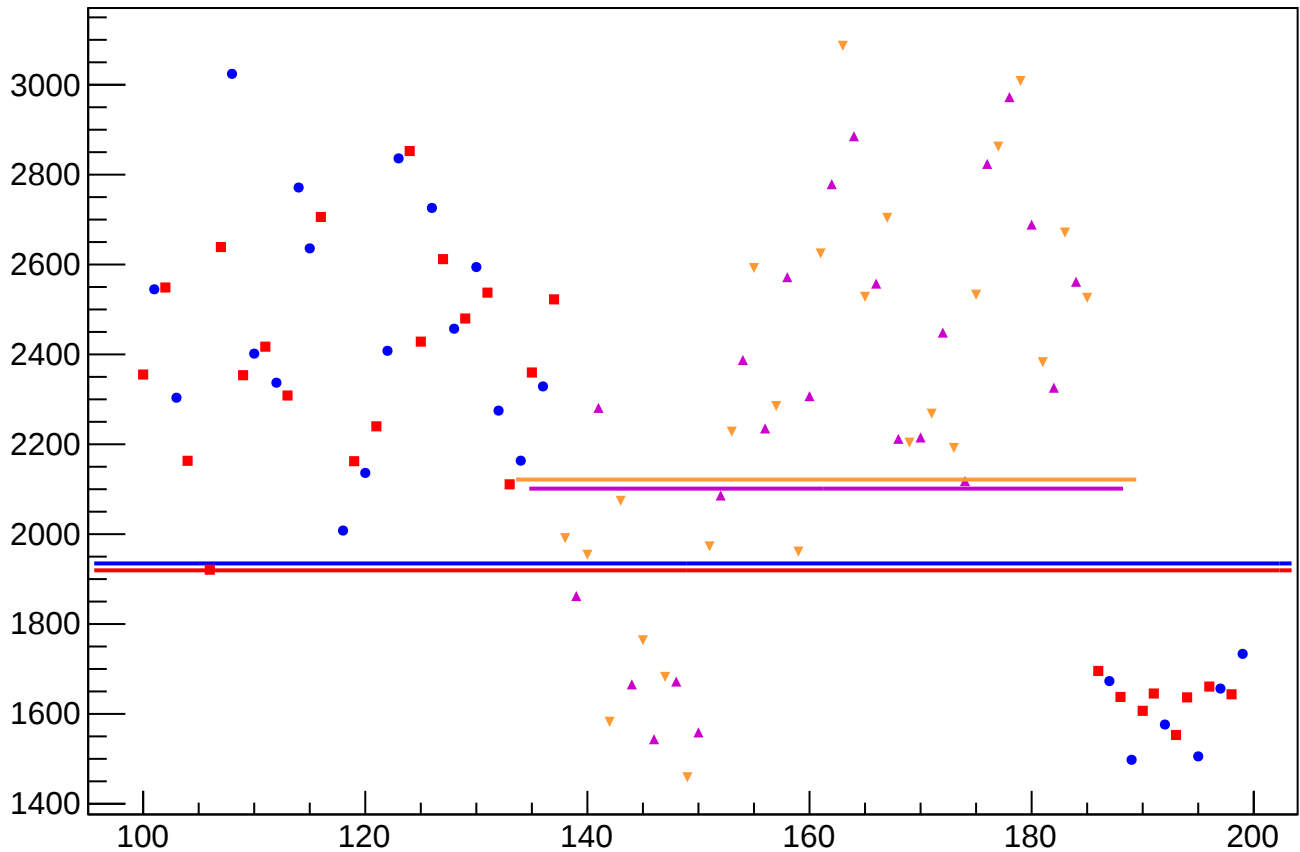
Left In: 65.752 ± 0.518 χ^2/NDF : 7335.8/22

+ sign 41.658 ± 0.389 χ^2/NDF : 13640.1/47

All: 31.448 ± 0.272 χ^2/NDF : 44852.7/97

- sign 21.651 ± 0.381 χ^2/NDF : 29860.5/49

diff_bpm1i06X_rms vs Slug



Right In: 1934.833+/-0.430 χ^2/NDF : 955124.3/22

Left Out: 2121.567+/-0.357 χ^2/NDF :1387847.6/24

Right Out: 1919.493+/-0.397 χ^2/NDF : 894063.0/26

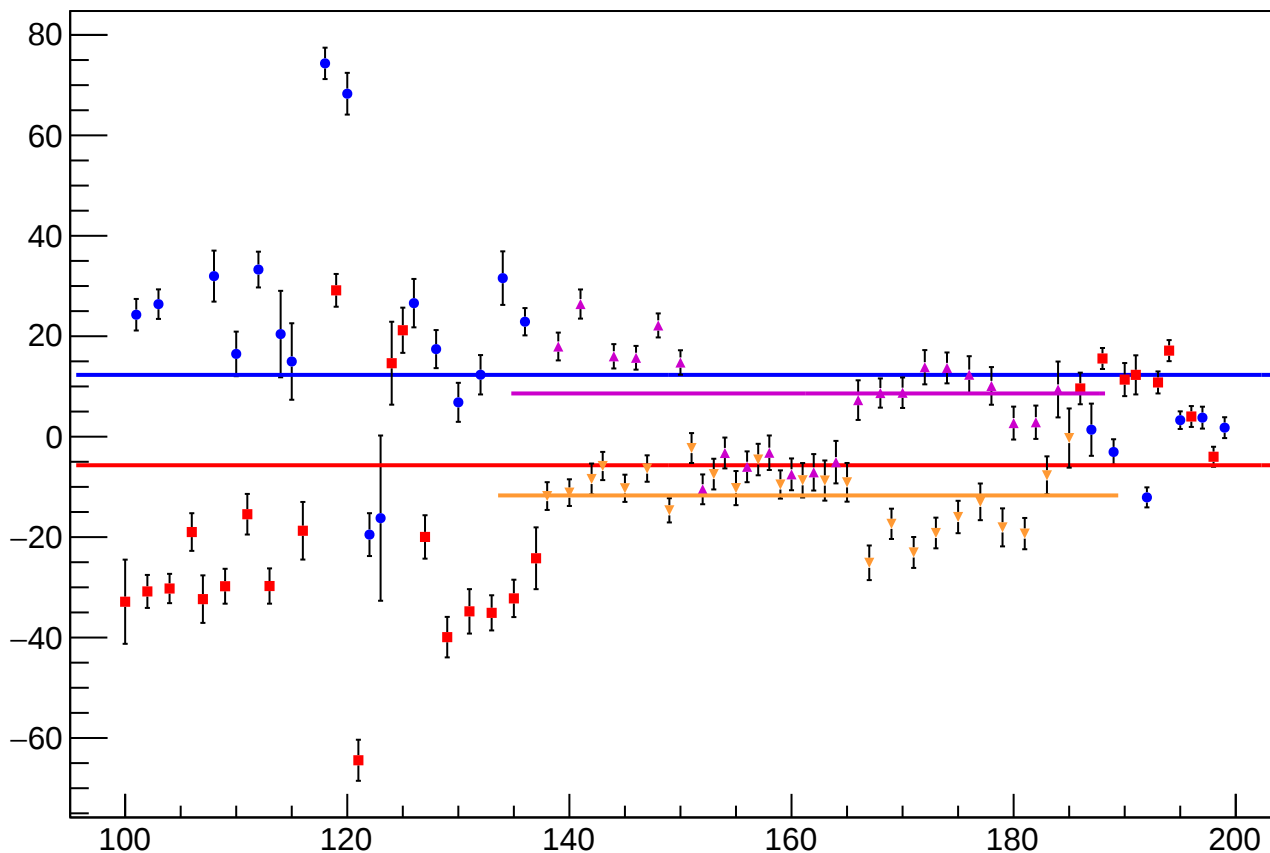
Left In: 2101.325+/-0.366 χ^2/NDF :1360518.3/22

+ sign 2045.320+/-0.275 χ^2/NDF : 2454490.5/47

All: 2031.299+/-0.192 χ^2/NDF : 4827450.8/97

- sign 2017.846+/-0.269 χ^2/NDF : 2367861.0/49

diff_bpm1i06Y_mean vs Slug



Right In: 12.304 $\pm$ 0.665 χ^2 /NDF: 1021.5/22

Left Out: -11.700 $\pm$ 0.625 χ^2 /NDF: 85.0/24

Right Out: -5.690 $\pm$ 0.624 χ^2 /NDF: 1281.3/26

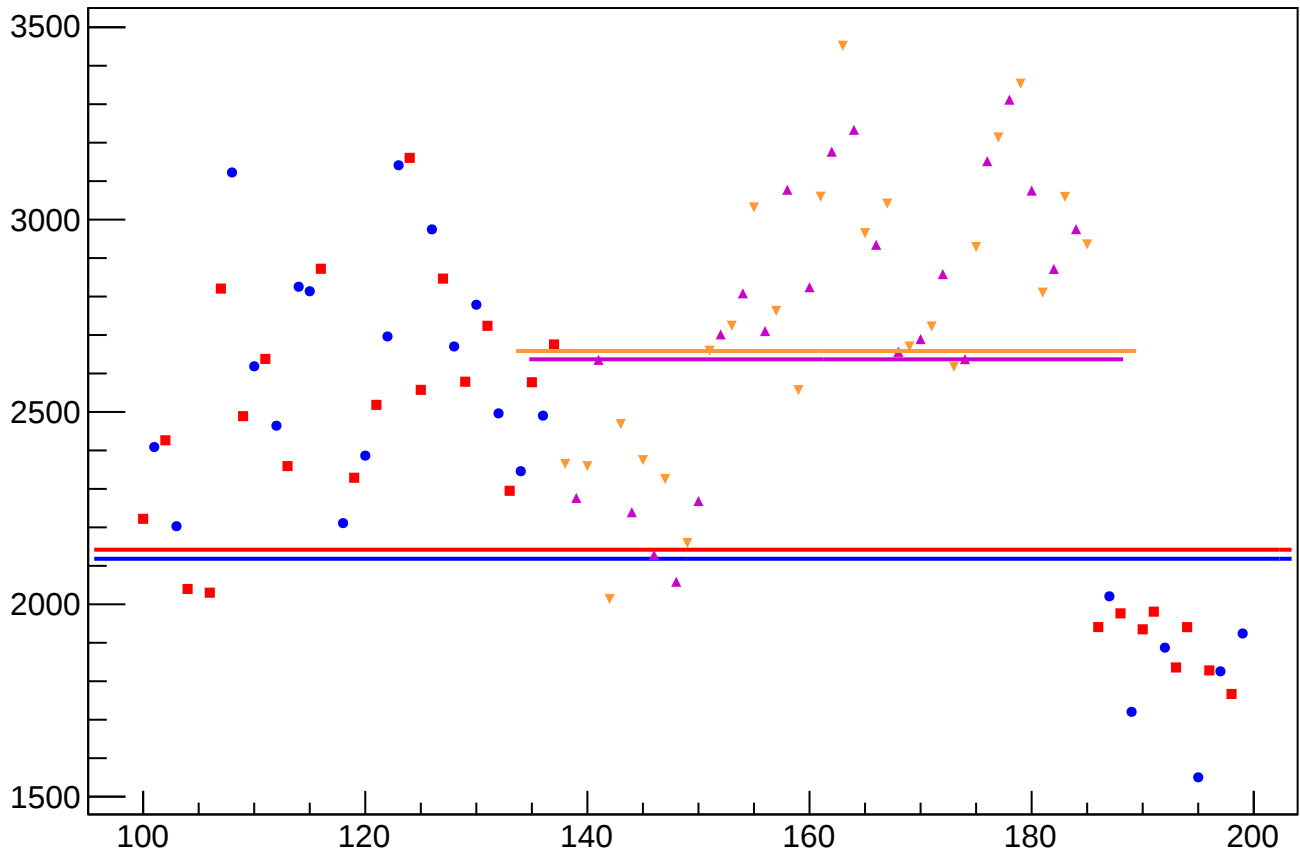
Left In: 8.606 $\pm$ 0.642 χ^2 /NDF: 264.2/22

+ sign -0.436 $\pm$ 0.456 χ^2 /NDF: 1797.7/47

All: 0.426 $\pm$ 0.319 χ^2 /NDF: 3605.2/97

- sign 1.257 $\pm$ 0.447 χ^2 /NDF: 1800.5/49

diff_bpm1i06Y_rms vs Slug



Right In: 2118.385 $\pm$ 0.470 χ^2 /NDF: 788964.1/22

Left Out: 2658.486 $\pm$ 0.442 χ^2 /NDF: 618133.8/24

Right Out: 2141.918 $\pm$ 0.441 χ^2 /NDF: 585322.8/26

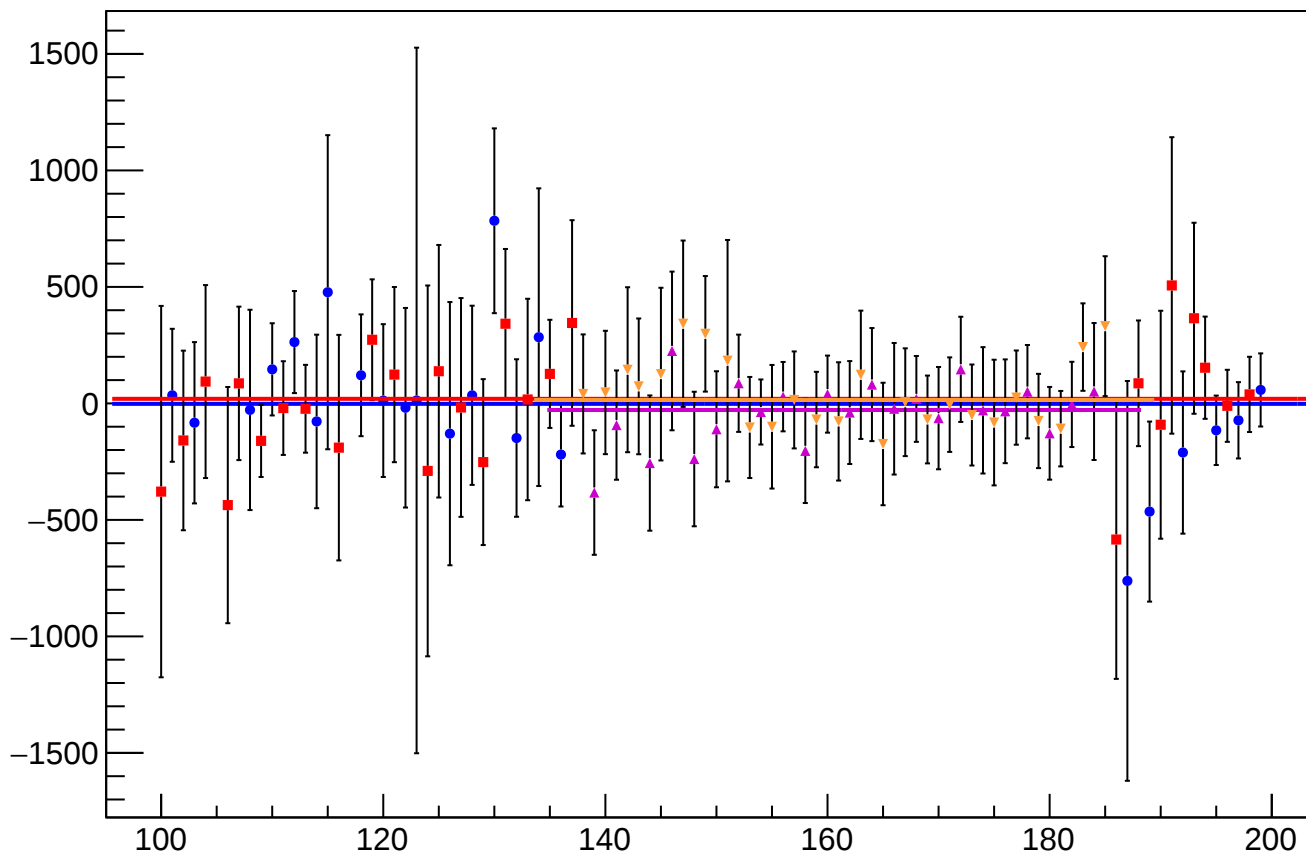
Left In: 2636.885 $\pm$ 0.454 χ^2 /NDF: 652894.5/22

+ sign 2405.054 $\pm$ 0.322 χ^2 /NDF: 2106923.6/47

All: 2393.545 $\pm$ 0.226 χ^2 /NDF: 3958901.9/97

- sign 2382.445 $\pm$ 0.316 χ^2 /NDF: 1849471.6/49

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -1.902 ± 57.882 χ^2/NDF : 11.7/22

Left Out: 14.520 ± 47.528 χ^2/NDF : 7.8/24

Right Out: 19.697 ± 54.696 χ^2/NDF : 9.4/26

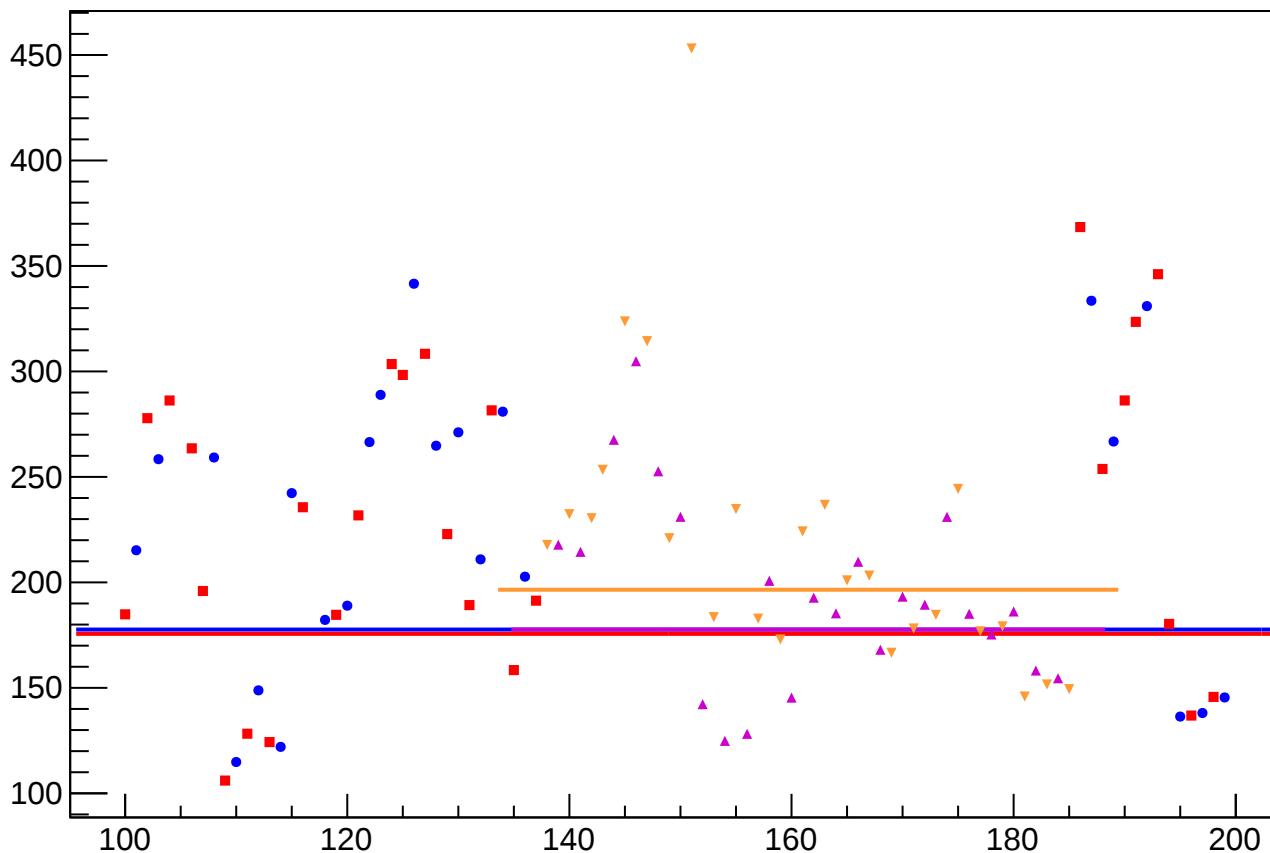
Left In: -28.310 ± 44.638 χ^2/NDF : 6.3/22

+ sign 7.907 ± 36.732 χ^2/NDF : 19.5/47

All: -1.118 ± 25.179 χ^2/NDF : 35.8/97

- sign -9.118 ± 34.583 χ^2/NDF : 16.2/49

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 177.637 $\pm$ 0.041 χ^2 /NDF: 2007965.7/22

Left Out: 196.514 $\pm$ 0.034 χ^2 /NDF: 1789504.4/24

Right Out: 175.597 $\pm$ 0.039 χ^2 /NDF: 2704782.2/26

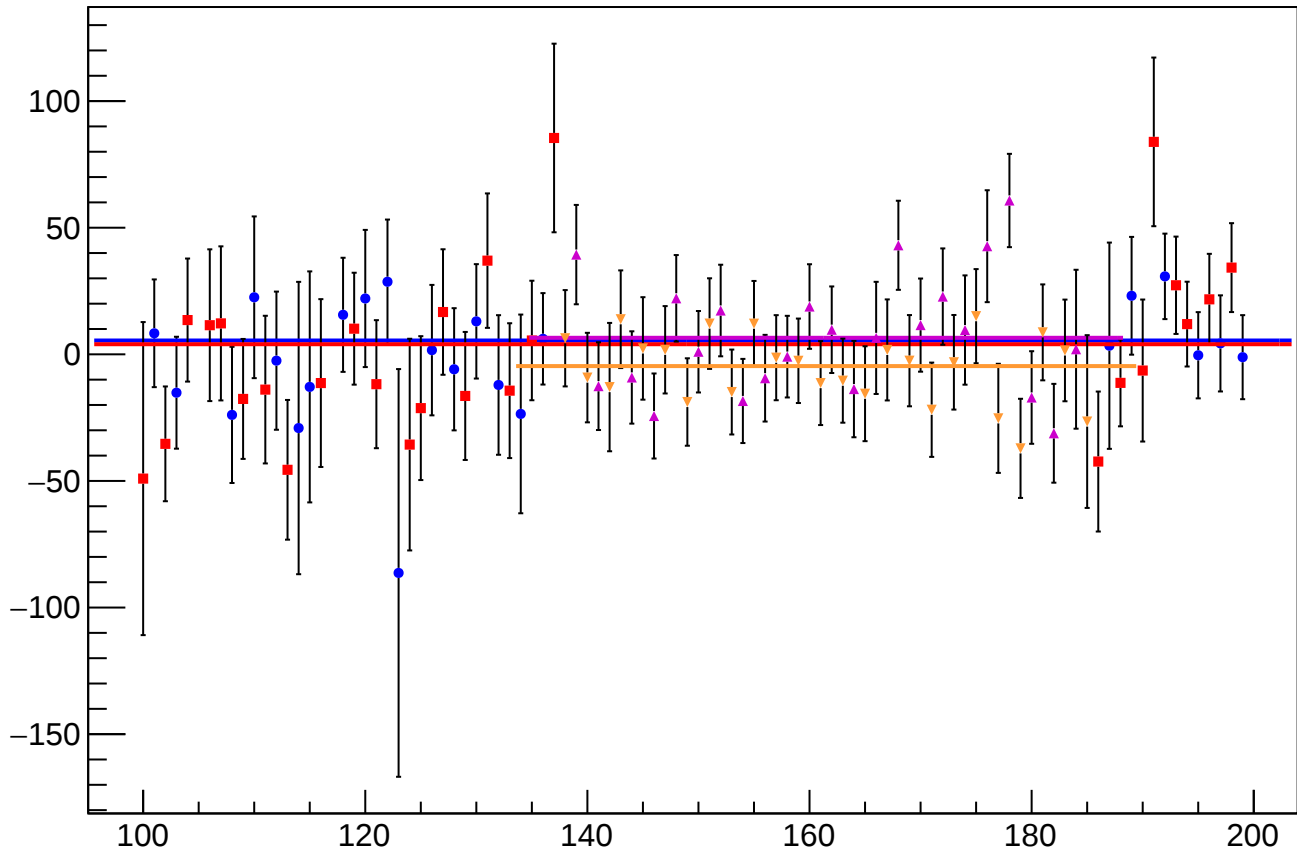
Left In: 177.643 $\pm$ 0.032 χ^2 /NDF: 1630664.5/22

+ sign 188.912 $\pm$ 0.026 χ^2 /NDF: 3924530.0/47

All: 182.505 $\pm$ 0.018 χ^2 /NDF: 8376446.7/97

- sign 176.825 $\pm$ 0.024 χ^2 /NDF: 4337126.2/49

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 5.457 ± 5.004 χ^2/NDF : 10.2/22

Left Out: -4.646 ± 3.728 χ^2/NDF : 12.1/24

Right Out: 3.989 ± 4.728 χ^2/NDF : 33.7/26

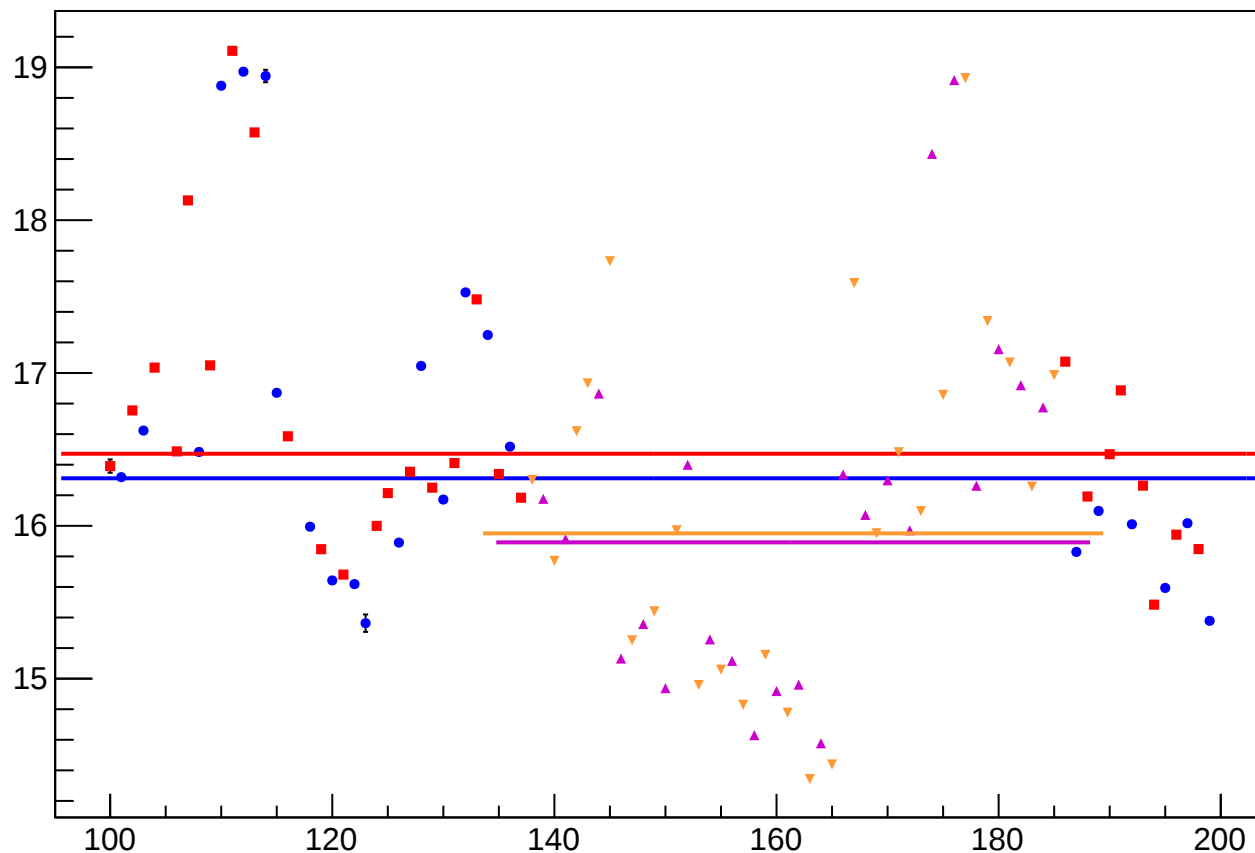
Left In: 6.526 ± 3.828 χ^2/NDF : 36.4/22

+ sign -1.041 ± 2.990 χ^2/NDF : 24.8/47

All: 2.257 ± 2.109 χ^2/NDF : 97.5/97

- sign 5.522 ± 2.975 χ^2/NDF : 70.3/49

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.311 $\pm$ 0.004 χ^2 /NDF: 59582.3/22

Left Out: 15.951 $\pm$ 0.003 χ^2 /NDF: 173458.5/24

Right Out: 16.472 $\pm$ 0.003 χ^2 /NDF: 57011.7/26

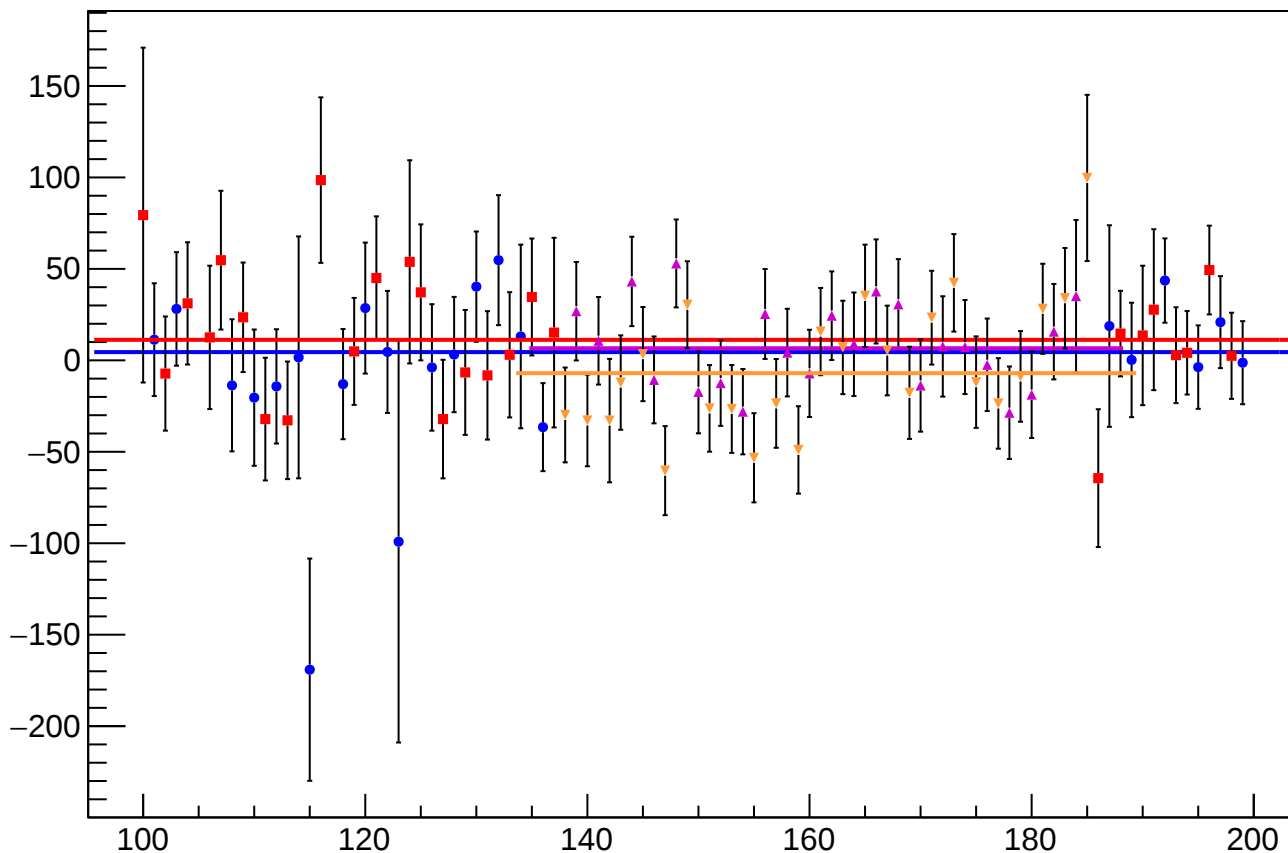
Left In: 15.892 $\pm$ 0.003 χ^2 /NDF: 147093.3/22

+ sign 16.079 $\pm$ 0.002 χ^2 /NDF: 239709.8/47

All: 16.100 $\pm$ 0.001 χ^2 /NDF: 462178.6/97

- sign 16.121 $\pm$ 0.002 χ^2 /NDF: 222269.7/49

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 4.504 ± 6.667 χ^2/NDF : 21.5/22

Left Out: -7.017 ± 5.121 χ^2/NDF : 37.4/24

Right Out: 11.211 ± 6.276 χ^2/NDF : 22.1/26

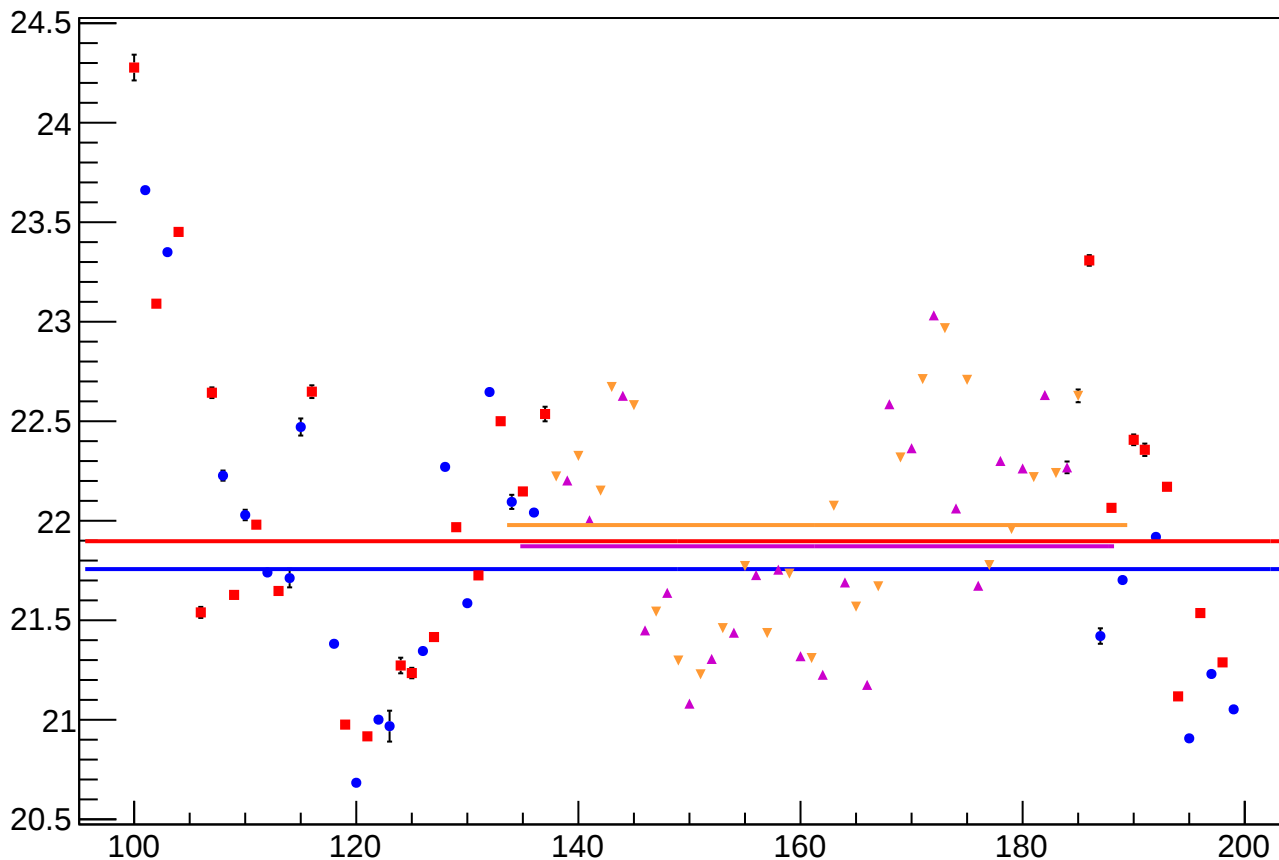
Left In: 6.611 ± 5.251 χ^2/NDF : 19.1/22

+ sign -2.742 ± 4.061 χ^2/NDF : 60.8/47

All: 2.929 ± 2.860 χ^2/NDF : 106.3/97

- sign 8.505 ± 4.027 χ^2/NDF : 41.6/49

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.757 $\pm$ 0.005 χ^2 /NDF: 25118.2/22

Left Out: 21.978 $\pm$ 0.004 χ^2 /NDF:19430.2/24

Right Out: 21.897 $\pm$ 0.004 χ^2 /NDF: 24312.0/26

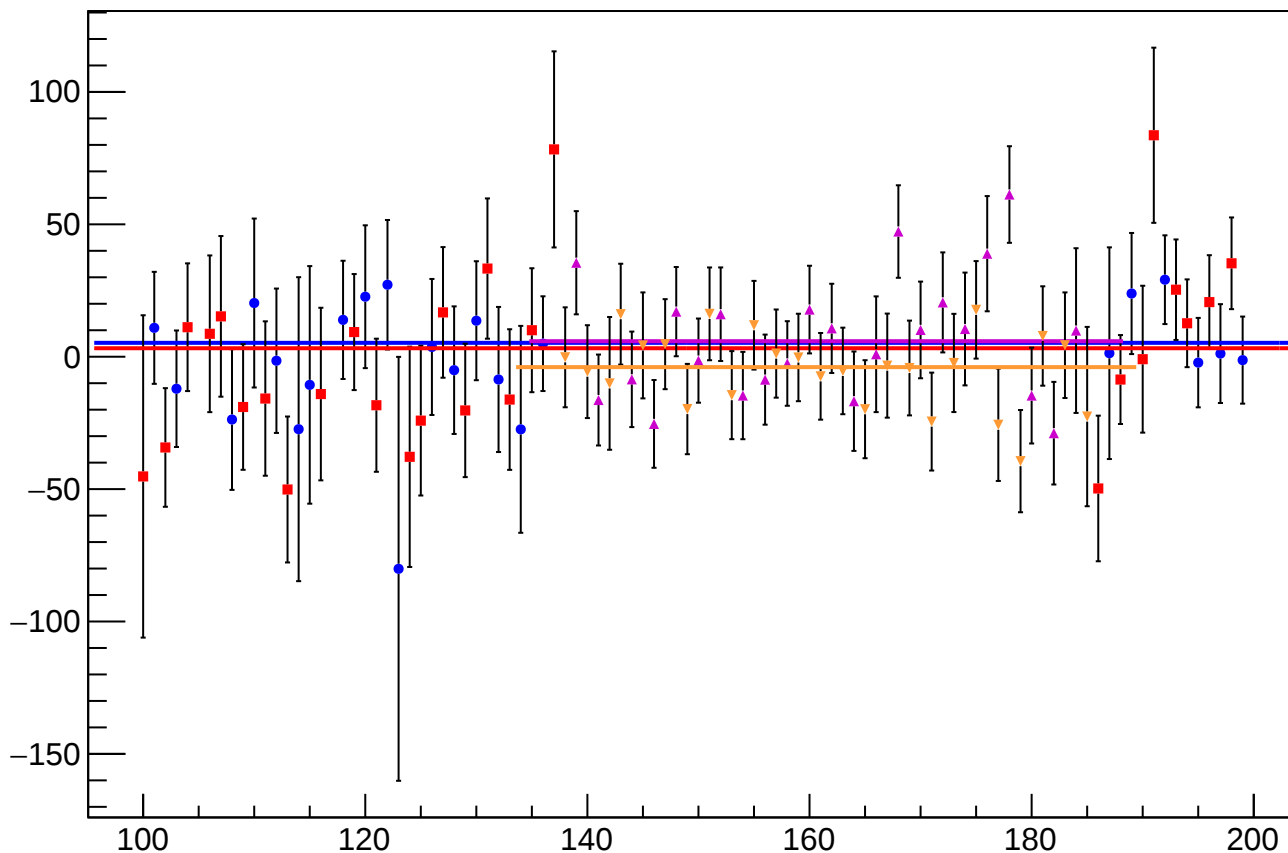
Left In: 21.872 $\pm$ 0.004 χ^2 /NDF:20524.9/22

+ sign 21.896 $\pm$ 0.003 χ^2 /NDF: 45933.6/47

All: 21.889 $\pm$ 0.002 χ^2 /NDF: 90801.9/97

- sign 21.882 $\pm$ 0.003 χ^2 /NDF: 44856.3/49

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 5.246 $\pm$ 4.966 χ^2 /NDF: 9.5/22

Left Out: -3.927 $\pm$ 3.688 χ^2 /NDF:14.0/24

Right Out: 3.201 $\pm$ 4.685 χ^2 /NDF: 35.2/26

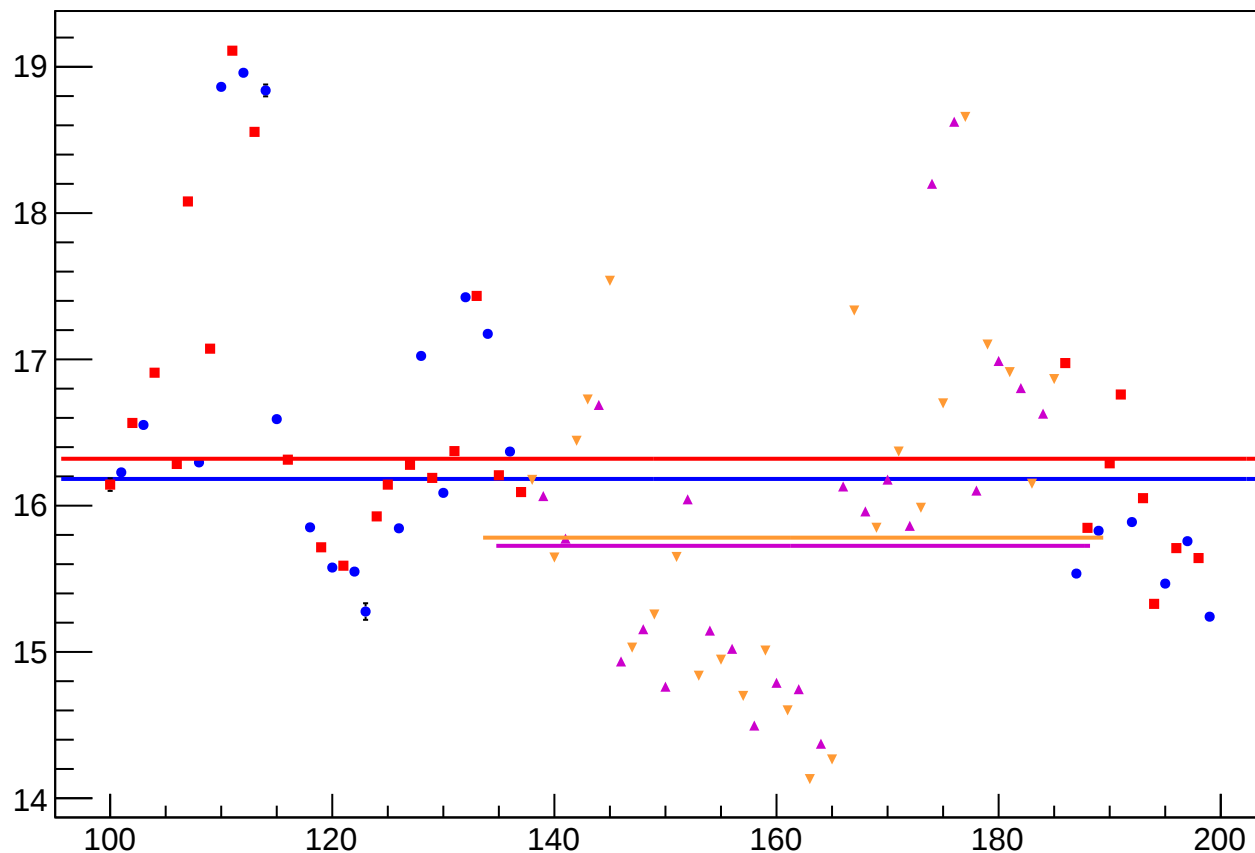
Left In: 5.861 $\pm$ 3.787 χ^2 /NDF:36.2/22

+ sign -0.666 $\pm$ 2.961 χ^2 /NDF: 25.7/47

All: 2.086 $\pm$ 2.088 χ^2 /NDF: 99.0/97

- sign 4.810 $\pm$ 2.945 χ^2 /NDF: 71.6/49

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.183 $\pm$ 0.004 χ^2 /NDF: 64208.1/22

Left Out: 15.781 $\pm$ 0.003 χ^2 /NDF: 172894.3/24

Right Out: 16.321 $\pm$ 0.003 χ^2 /NDF: 64910.0/26

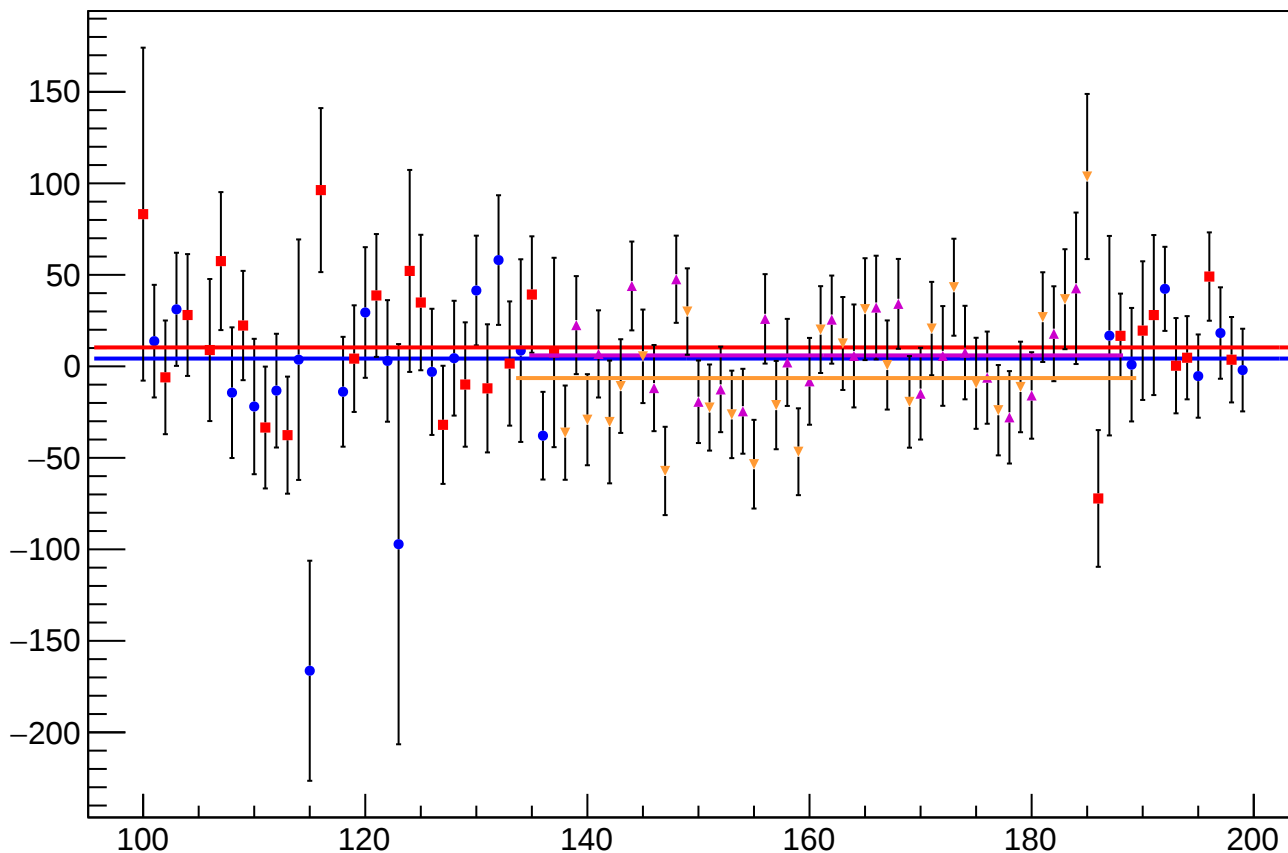
Left In: 15.725 $\pm$ 0.003 χ^2 /NDF: 145830.9/22

+ sign 15.924 $\pm$ 0.002 χ^2 /NDF: 245521.2/47

All: 15.942 $\pm$ 0.001 χ^2 /NDF: 475940.2/97

- sign 15.961 $\pm$ 0.002 χ^2 /NDF: 230265.0/49

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 4.257 ± 6.634 χ^2/NDF : 22.1/22

Left Out: -6.404 ± 5.091 χ^2/NDF : 37.4/24

Right Out: 10.340 ± 6.238 χ^2/NDF : 23.8/26

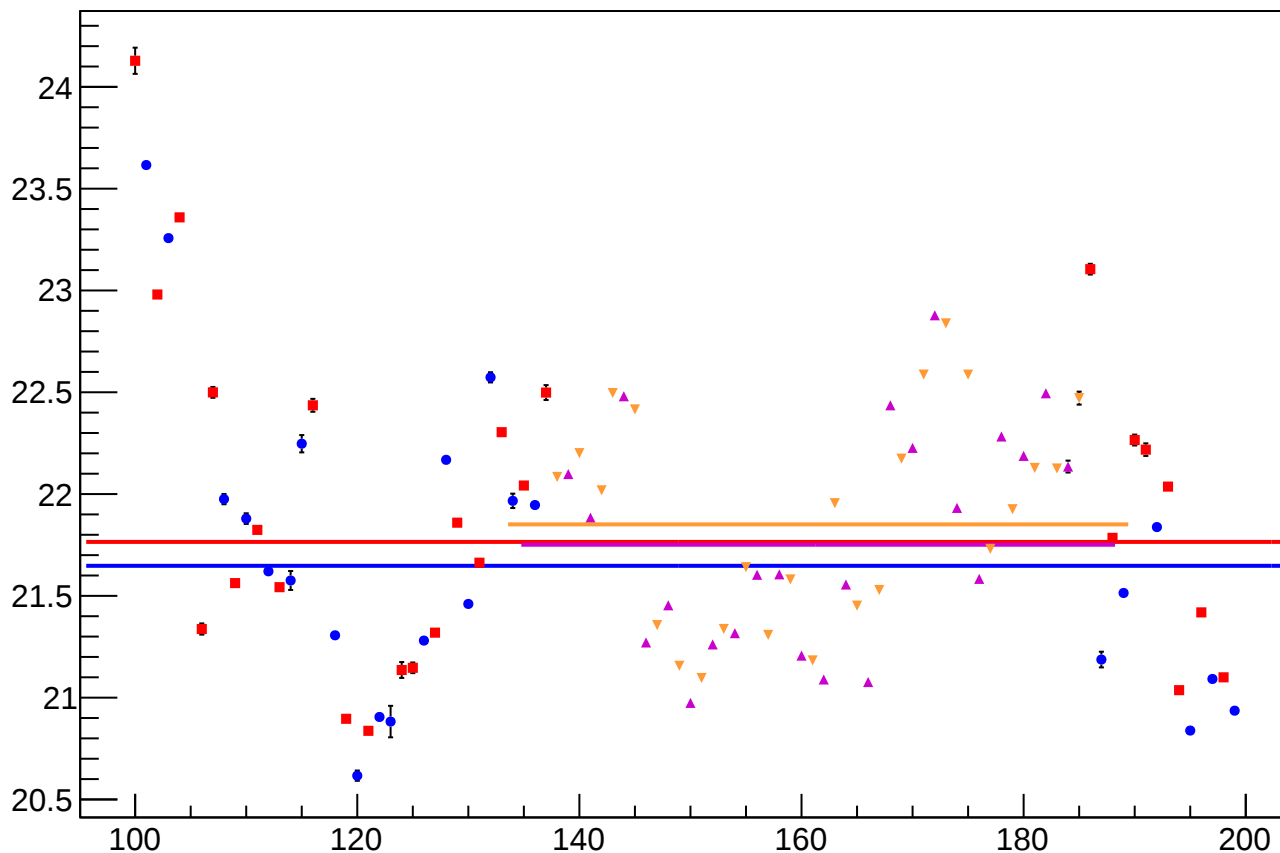
Left In: 5.978 ± 5.222 χ^2/NDF : 18.5/22

+ sign -2.452 ± 4.039 χ^2/NDF : 61.1/47

All: 2.706 ± 2.844 χ^2/NDF : 106.9/97

- sign 7.775 ± 4.004 χ^2/NDF : 42.6/49

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.648 $\pm$ 0.005 χ^2 /NDF: 25516.4/22

Left Out: 21.851 $\pm$ 0.004 χ^2 /NDF: 19631.8/24

Right Out: 21.765 $\pm$ 0.004 χ^2 /NDF: 23680.5/26

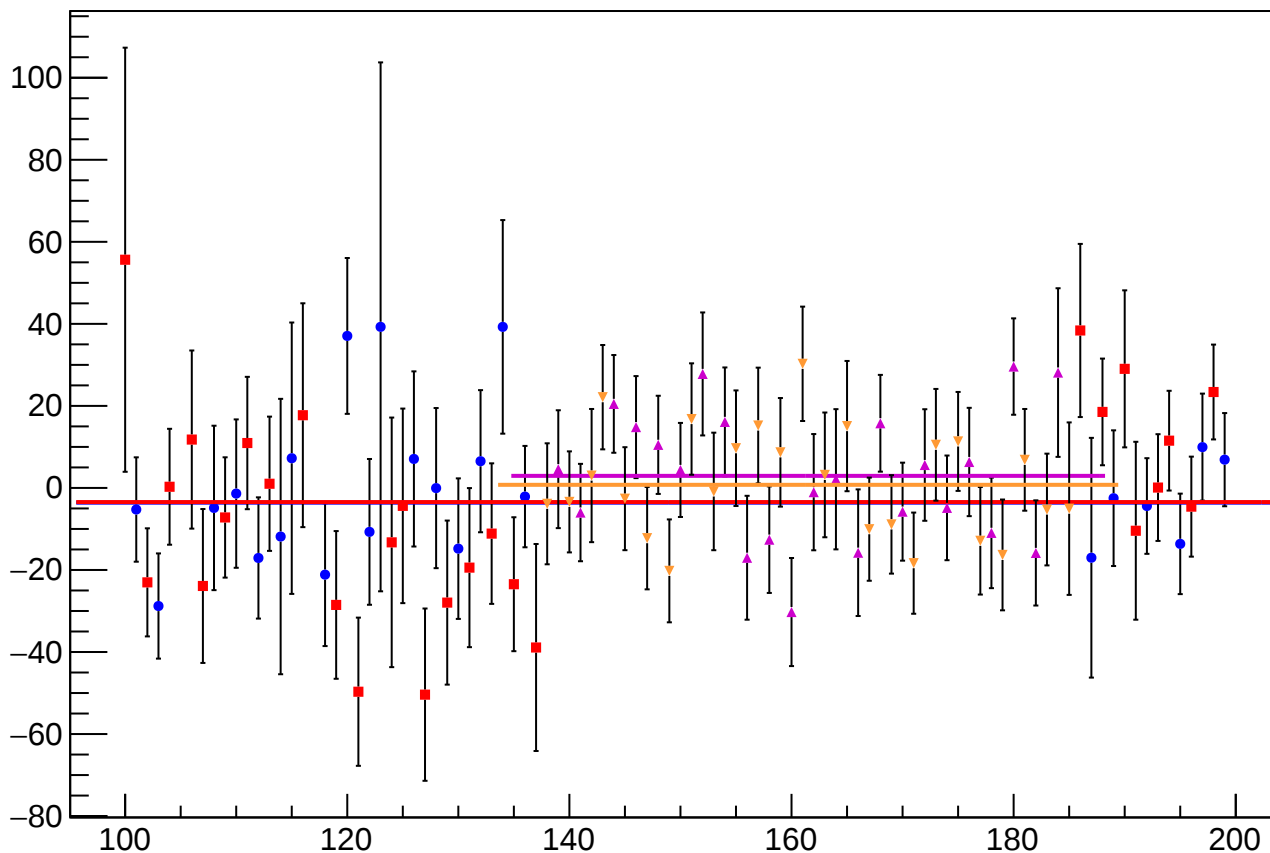
Left In: 21.751 $\pm$ 0.004 χ^2 /NDF: 20516.3/22

+ sign 21.776 $\pm$ 0.003 χ^2 /NDF: 46332.6/47

All: 21.766 $\pm$ 0.002 χ^2 /NDF: 90557.0/97

- sign 21.757 $\pm$ 0.003 χ^2 /NDF: 44202.6/49

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.585 ± 3.416 χ^2/NDF : 17.7/22

Left Out: 0.759 ± 2.698 χ^2/NDF : 23.8/24

Right Out: -3.449 ± 3.249 χ^2/NDF : 43.0/26

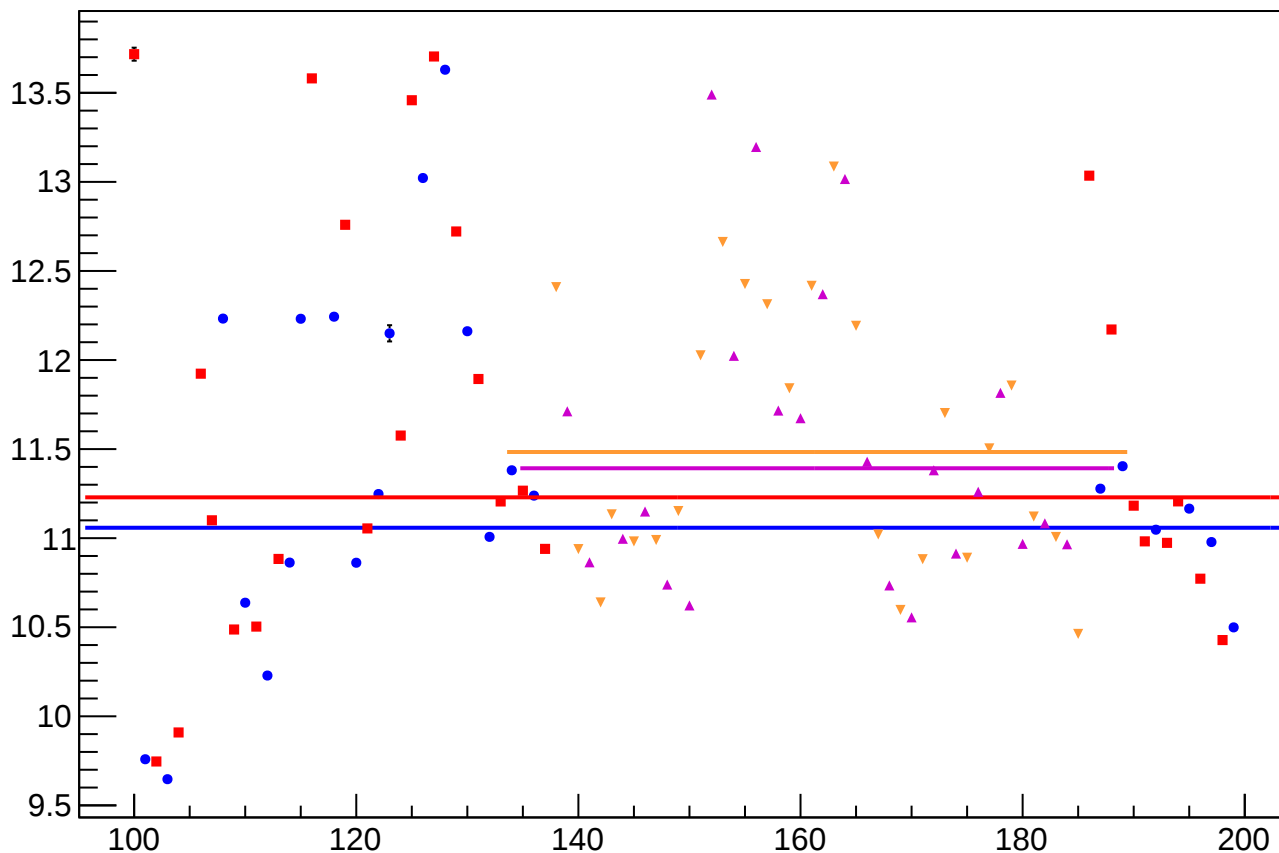
Left In: 2.944 ± 2.757 χ^2/NDF : 30.9/22

+ sign -0.910 ± 2.117 χ^2/NDF : 42.5/47

All: -0.317 ± 1.492 χ^2/NDF : 118.8/97

- sign 0.267 ± 2.102 χ^2/NDF : 76.2/49

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.058 $\pm$ 0.002 χ^2 /NDF: 138922.8/22

Left Out: 11.484 $\pm$ 0.002 χ^2 /NDF:129805.4/24

Right Out: 11.229 $\pm$ 0.002 χ^2 /NDF: 187160.9/26

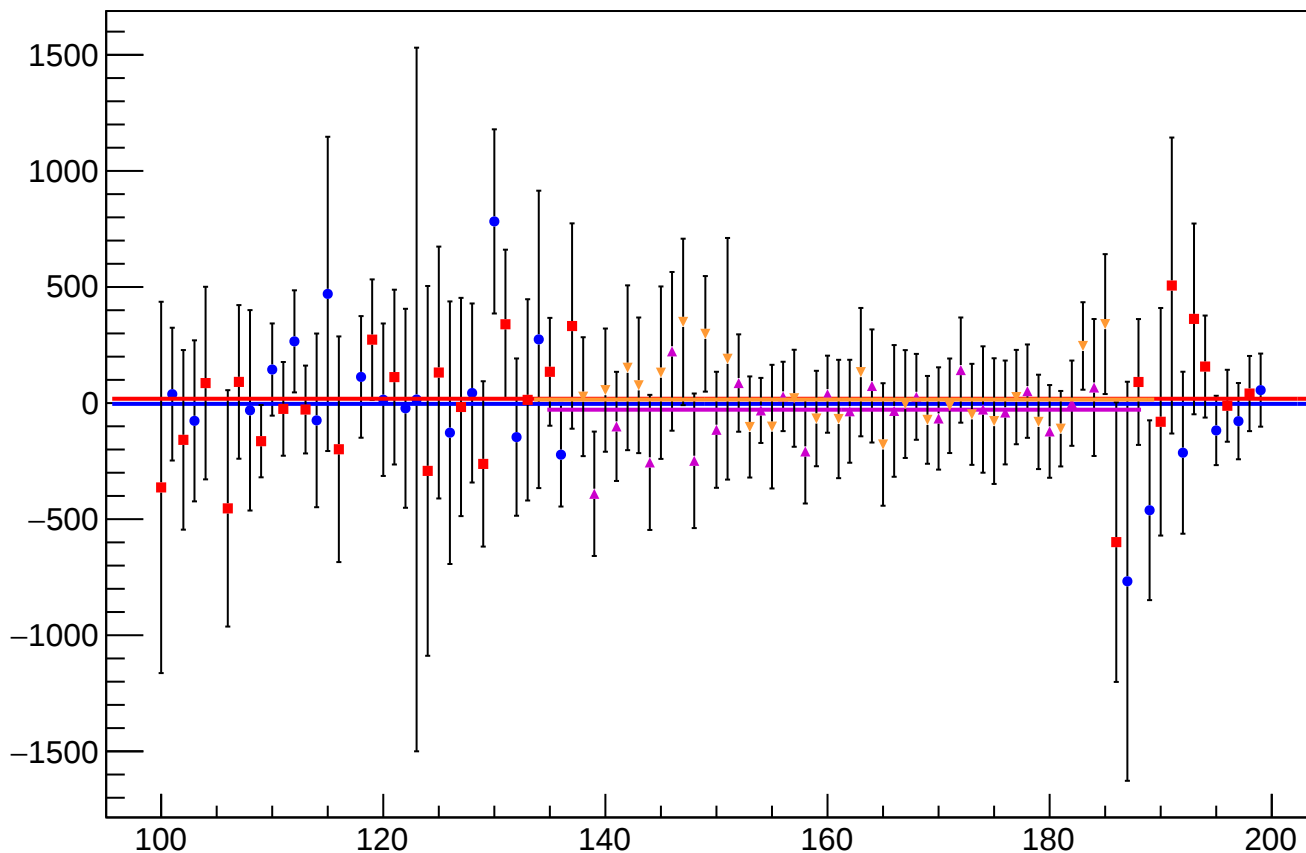
Left In: 11.392 $\pm$ 0.002 χ^2 /NDF:150493.3/22

+ sign 11.320 $\pm$ 0.001 χ^2 /NDF: 287813.8/47

All: 11.322 $\pm$ 0.001 χ^2 /NDF: 628405.5/97

- sign 11.324 $\pm$ 0.001 χ^2 /NDF: 340588.5/49

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -3.366 ± 58.032 $\chi^2/\text{NDF}: 11.7/22$

Left Out: 15.130 ± 47.705 $\chi^2/\text{NDF}: 8.0/24$

Right Out: 18.666 ± 54.852 $\chi^2/\text{NDF}: 9.6/26$

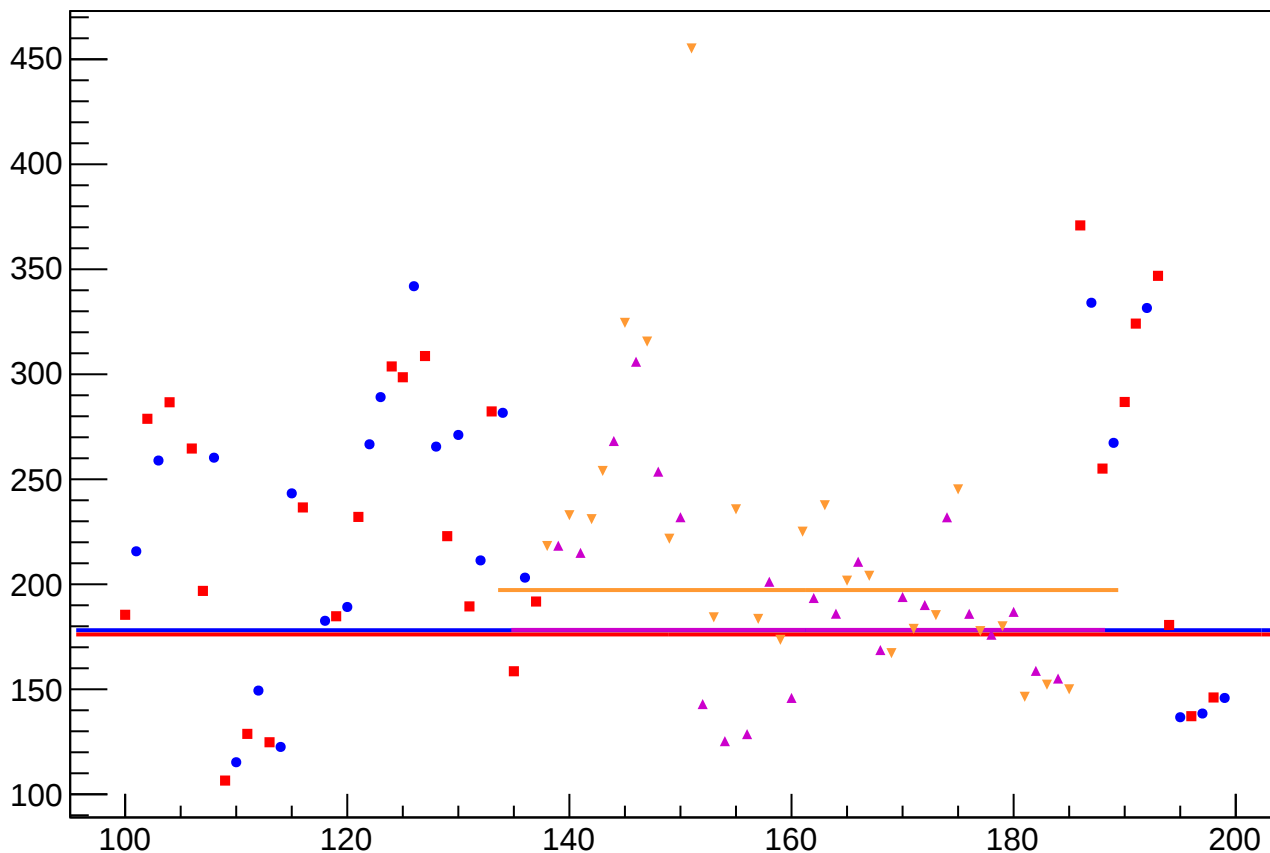
Left In: -28.500 ± 44.797 $\chi^2/\text{NDF}: 6.4/22$

+ sign 7.671 ± 36.852 $\chi^2/\text{NDF}: 19.7/47$

All: -1.499 ± 25.262 $\chi^2/\text{NDF}: 36.2/97$

- sign -9.629 ± 34.696 $\chi^2/\text{NDF}: 16.4/49$

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 178.121 $\pm$ 0.041 χ^2 /NDF: 2002547.6/22

Left Out: 197.249 $\pm$ 0.034 χ^2 /NDF:1786808.1/24

Right Out: 176.115 $\pm$ 0.039 χ^2 /NDF: 2700246.1/26

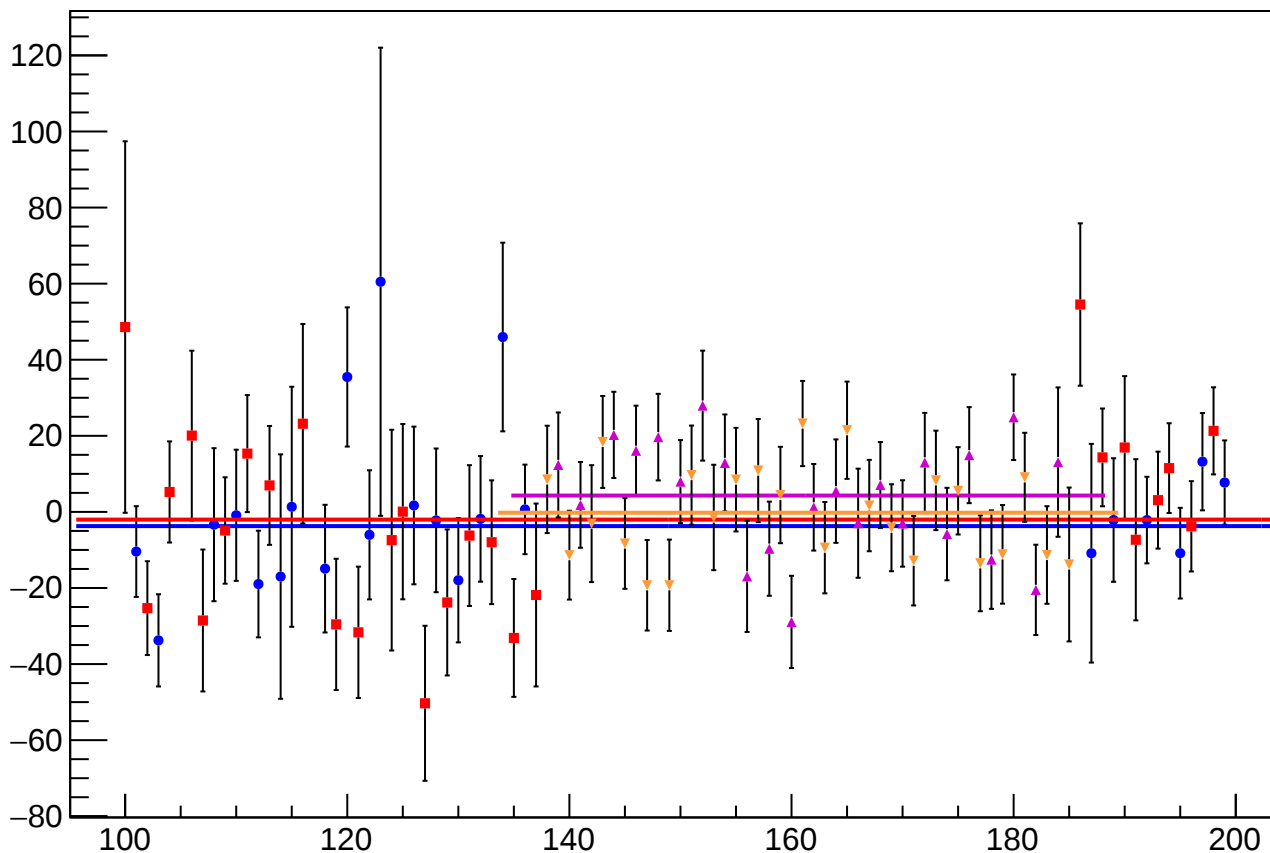
Left In: 178.277 $\pm$ 0.032 χ^2 /NDF:1628916.6/22

+ sign 189.536 $\pm$ 0.026 χ^2 /NDF: 3919025.8/47

All: 183.109 $\pm$ 0.018 χ^2 /NDF: 8364797.7/97

- sign 177.412 $\pm$ 0.025 χ^2 /NDF: 4331026.0/49

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -3.737 ± 3.289 $\chi^2/\text{NDF}: 22.3/22$

Left Out: -0.211 ± 2.523 $\chi^2/\text{NDF}: 24.5/24$

Right Out: -2.021 ± 3.141 $\chi^2/\text{NDF}: 43.2/26$

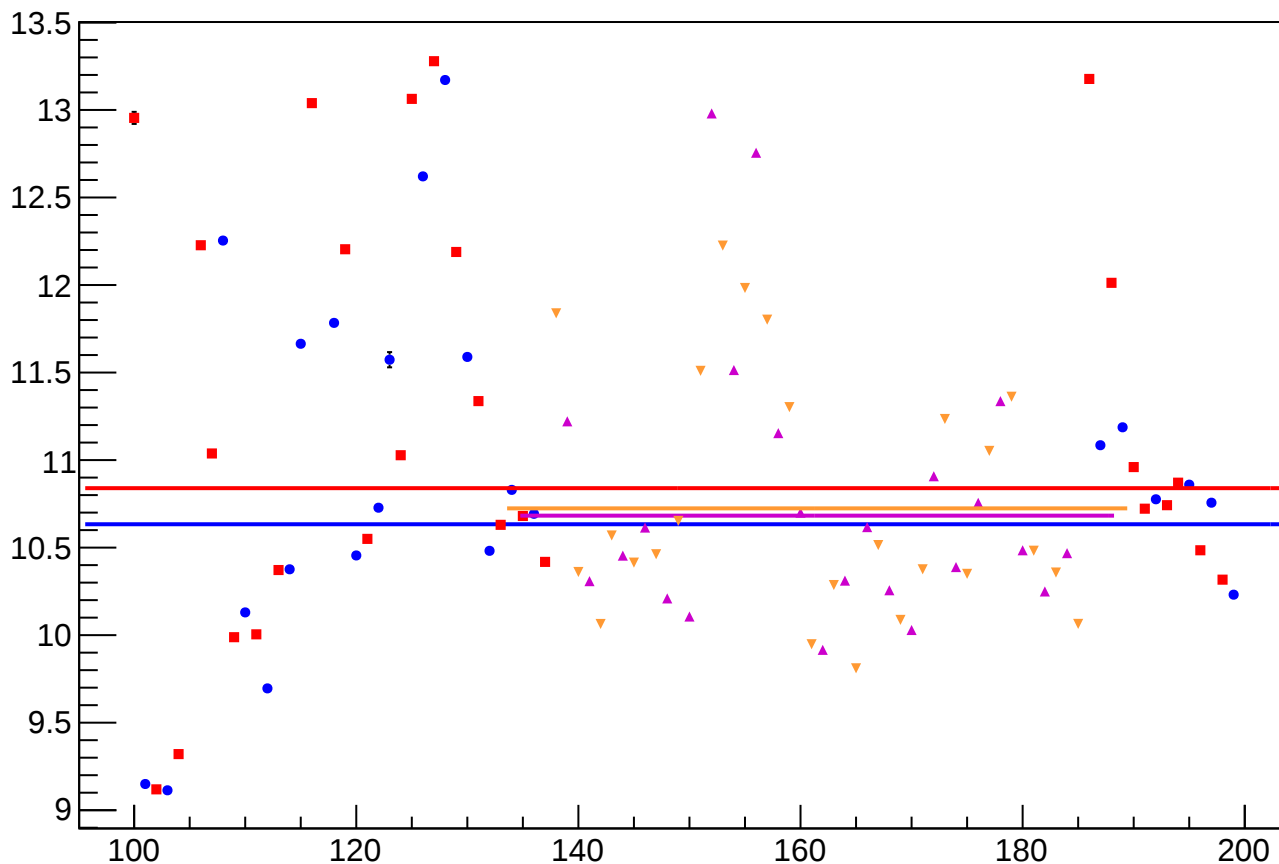
Left In: 4.298 ± 2.589 $\chi^2/\text{NDF}: 31.6/22$

+ sign -1.517 ± 2.002 $\chi^2/\text{NDF}: 47.5/47$

All: 0.116 ± 1.414 $\chi^2/\text{NDF}: 126.1/97$

- sign 1.742 ± 1.998 $\chi^2/\text{NDF}: 77.2/49$

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.633 $\pm$ 0.002 χ^2/NDF : 166761.7/22

Left Out: 10.724 $\pm$ 0.002 χ^2/NDF : 132558.9/24

Right Out: 10.840 $\pm$ 0.002 χ^2/NDF : 225790.1/26

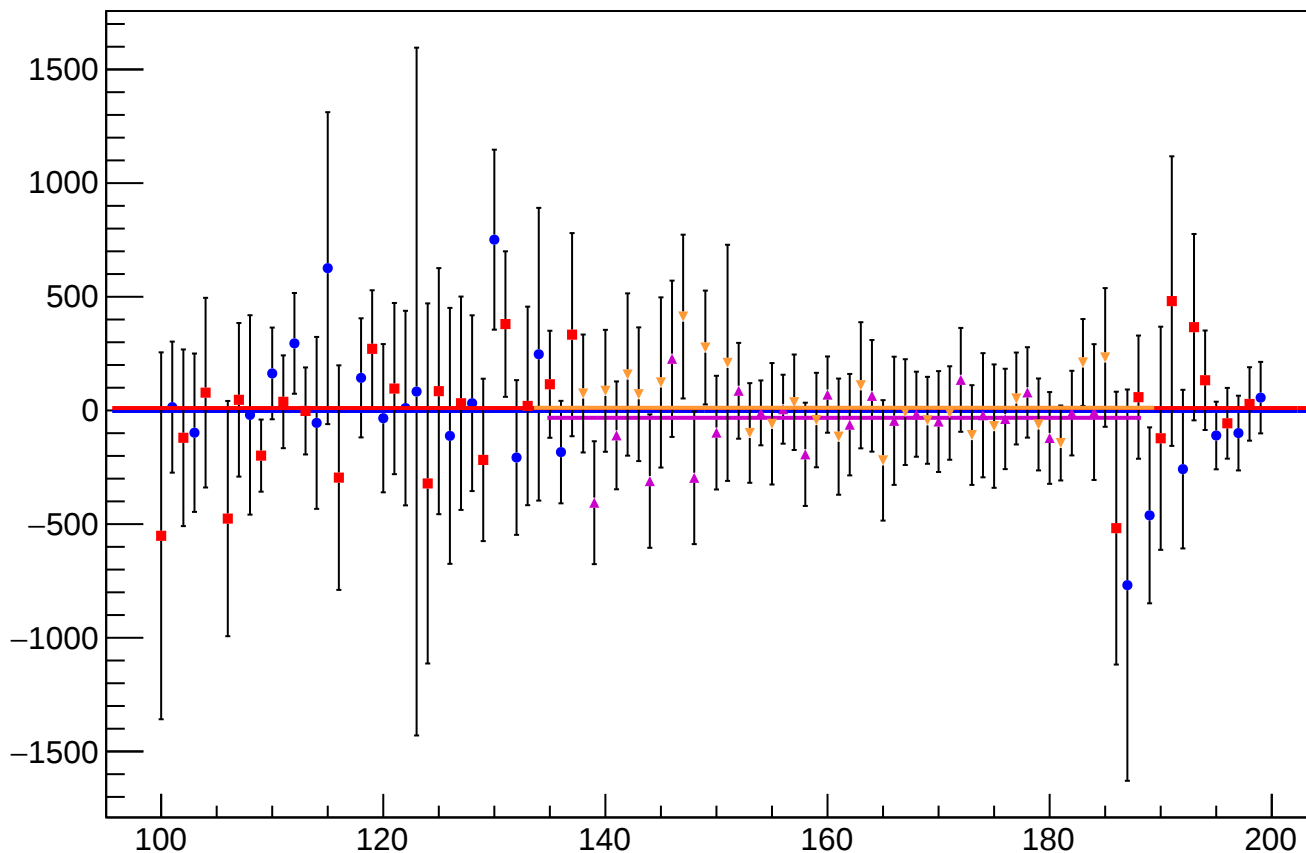
Left In: 10.683 $\pm$ 0.002 χ^2/NDF : 147835.6/22

+ sign 10.691 $\pm$ 0.001 χ^2/NDF : 300278.0/47

All: 10.718 $\pm$ 0.001 χ^2/NDF : 677648.0/97

- sign 10.746 $\pm$ 0.001 χ^2/NDF : 376599.1/49

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -2.301 ± 58.198 χ^2/NDF : 12.3/22

Left Out: 11.891 ± 48.022 χ^2/NDF : 7.6/24

Right Out: 10.621 ± 55.166 χ^2/NDF : 10.1/26

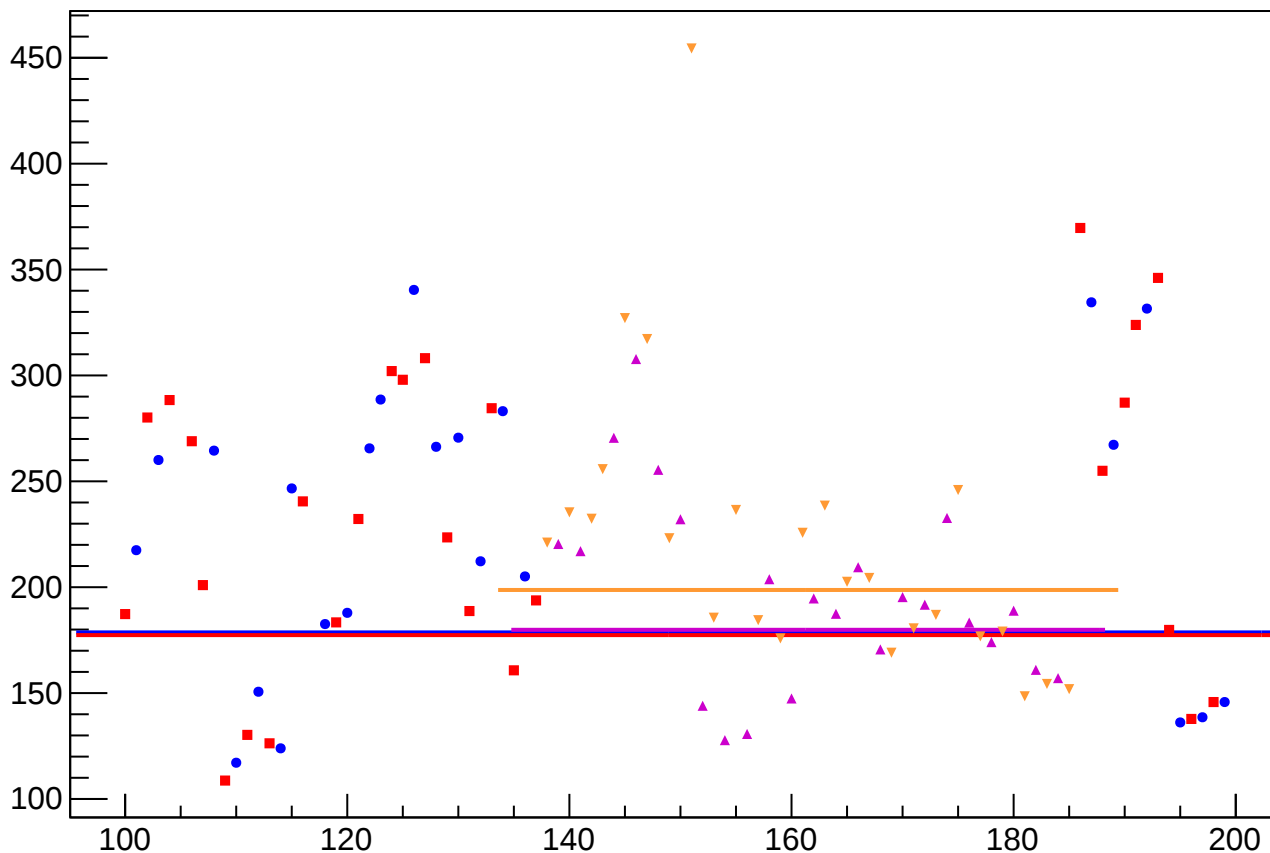
Left In: -32.413 ± 45.155 χ^2/NDF : 6.9/22

+ sign 6.142 ± 37.040 χ^2/NDF : 20.0/47

All: -5.123 ± 25.417 χ^2/NDF : 37.5/97

- sign -15.148 ± 34.942 χ^2/NDF : 17.3/49

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 178.655 $\pm$ 0.041 χ^2 /NDF: 1996717.3/22

Left Out: 198.695 $\pm$ 0.034 χ^2 /NDF: 1759311.9/24

Right Out: 177.381 $\pm$ 0.039 χ^2 /NDF: 2647723.3/26

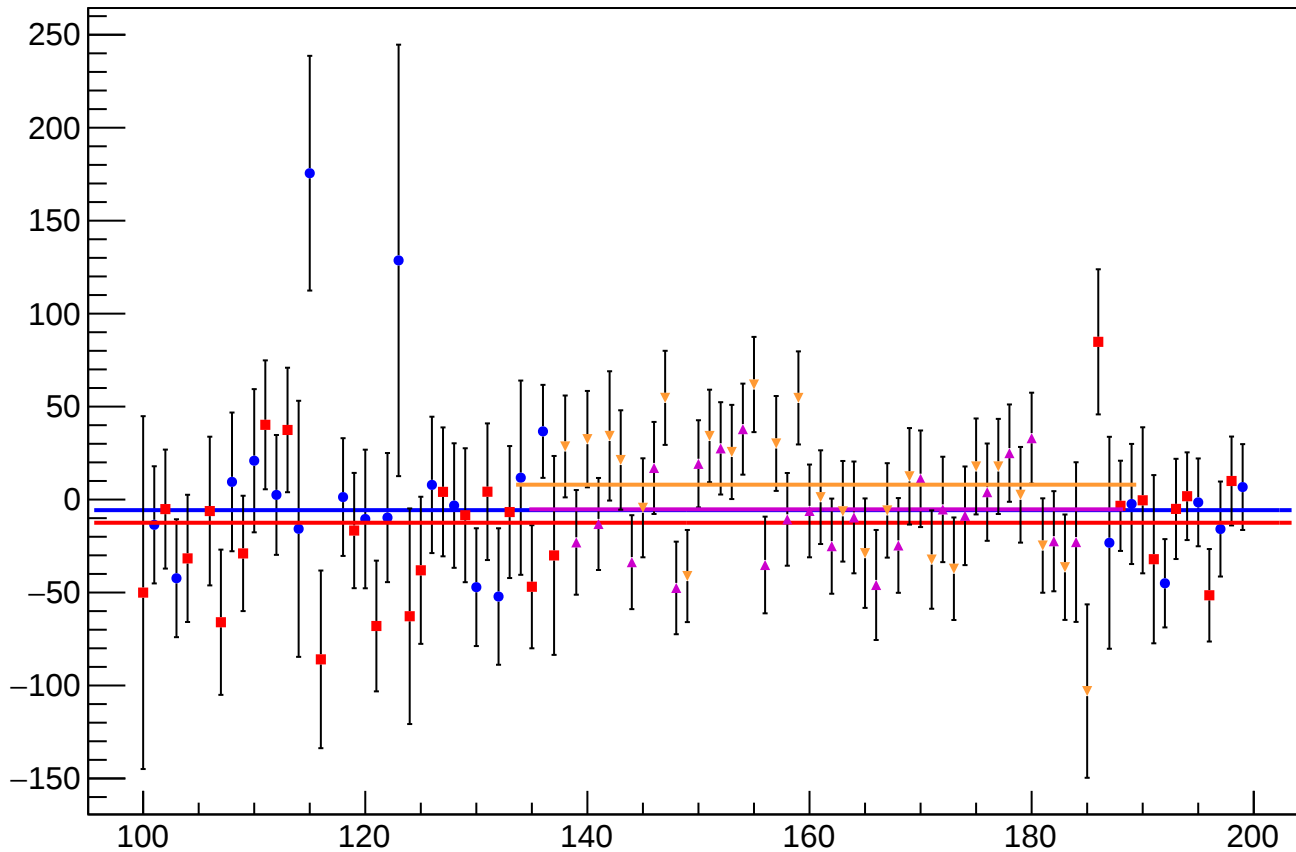
Left In: 179.886 $\pm$ 0.032 χ^2 /NDF: 1580636.4/22

+ sign 190.577 $\pm$ 0.026 χ^2 /NDF: 3897118.1/47

All: 184.389 $\pm$ 0.018 χ^2 /NDF: 8233461.1/97

- sign 178.881 $\pm$ 0.025 χ^2 /NDF: 4230829.7/49

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.694 ± 6.898 χ^2/NDF : 21.5/22

Left Out: 8.004 ± 5.334 χ^2/NDF : 37.4/24

Right Out: -12.473 ± 6.504 χ^2/NDF : 25.4/26

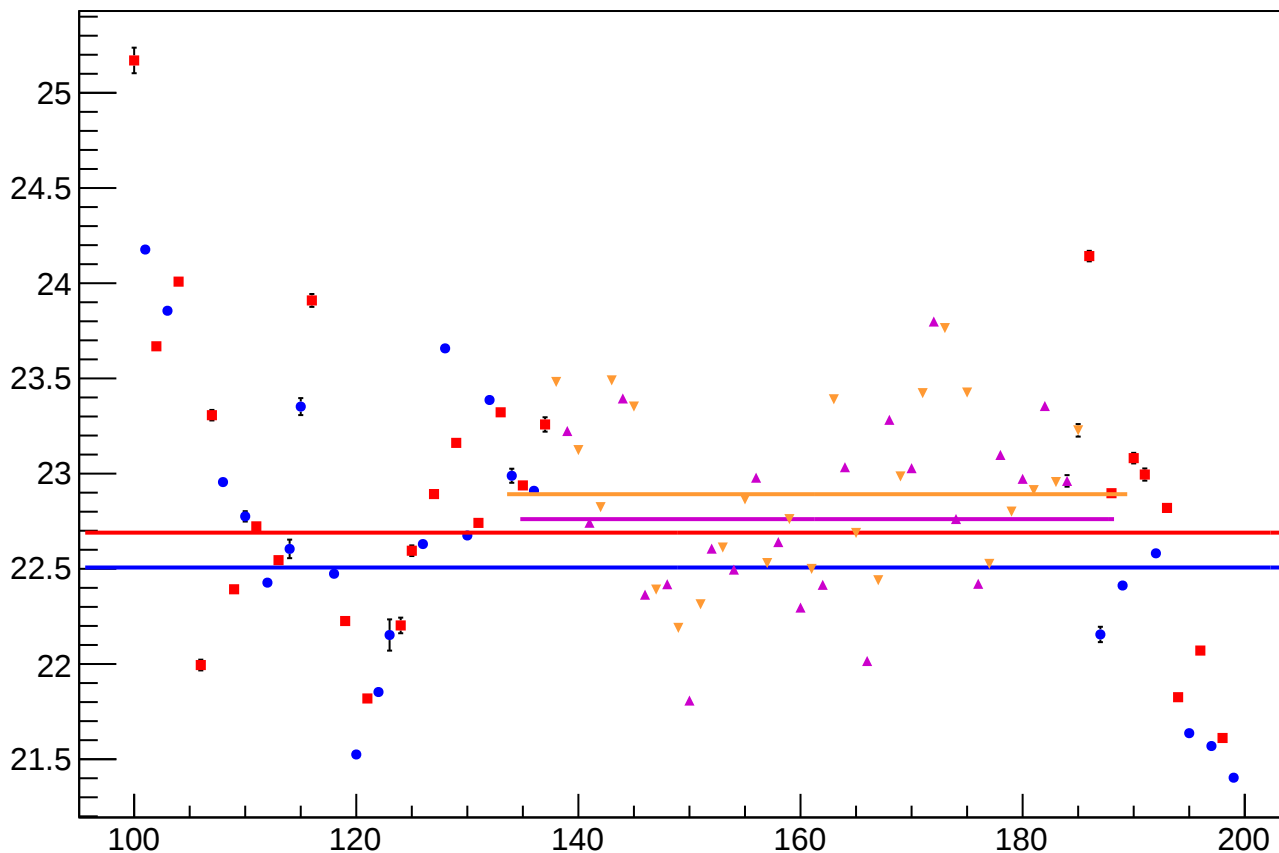
Left In: -5.261 ± 5.465 χ^2/NDF : 20.8/22

+ sign 2.878 ± 4.220 χ^2/NDF : 61.5/47

All: -2.731 ± 2.971 χ^2/NDF : 111.8/97

- sign -8.245 ± 4.184 χ^2/NDF : 46.9/49

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.507 $\pm$ 0.005 χ^2 /NDF: 26490.3/22

Left Out: 22.892 $\pm$ 0.004 χ^2 /NDF:12995.5/24

Right Out: 22.690 $\pm$ 0.005 χ^2 /NDF: 23301.0/26

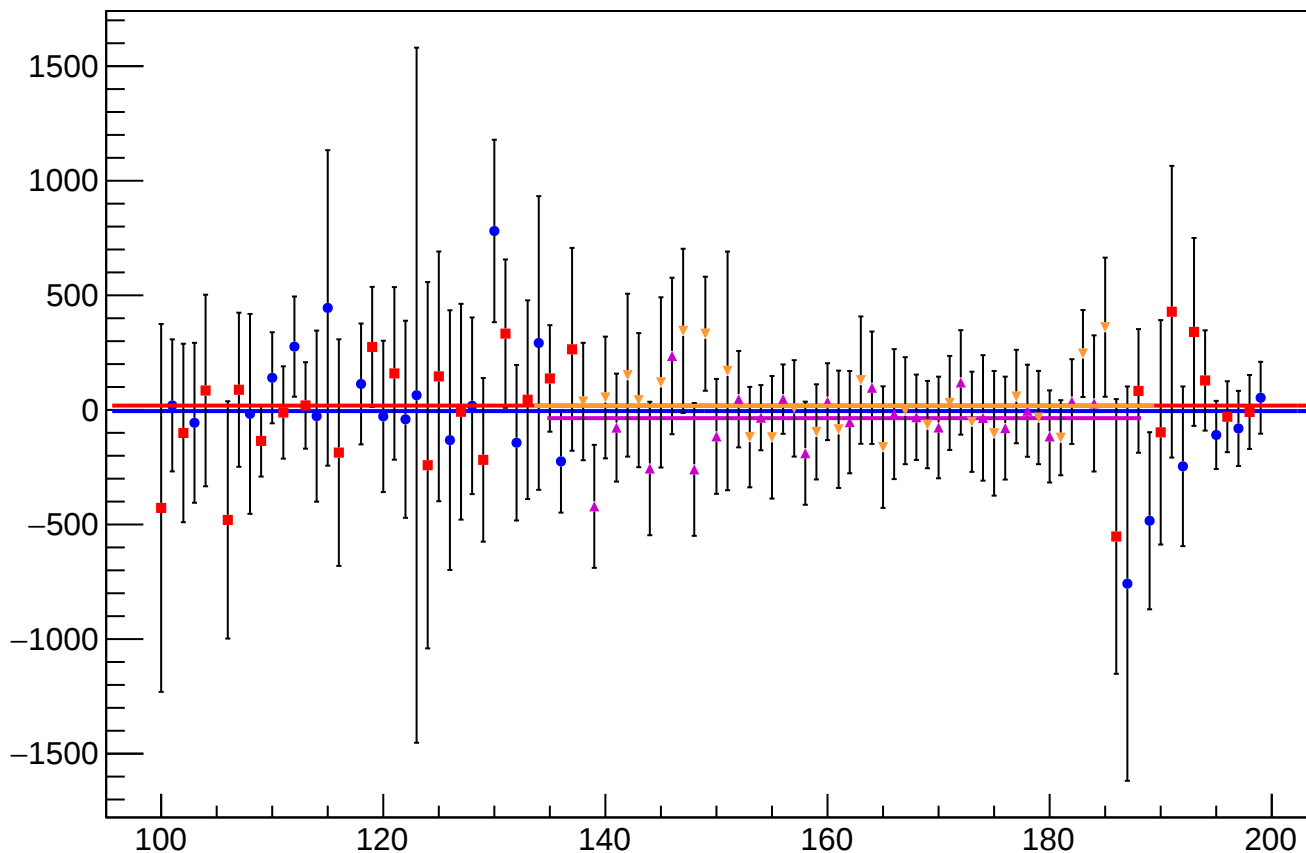
Left In: 22.761 $\pm$ 0.004 χ^2 /NDF:14550.0/22

+ sign 22.748 $\pm$ 0.003 χ^2 /NDF: 43385.1/47

All: 22.740 $\pm$ 0.002 χ^2 /NDF: 81390.7/97

- sign 22.732 $\pm$ 0.003 χ^2 /NDF: 37990.6/49

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -5.093 ± 58.021 χ^2/NDF : 11.8/22

Left Out: 17.777 ± 47.941 χ^2/NDF : 8.5/24

Right Out: 18.849 ± 54.866 χ^2/NDF : 8.2/26

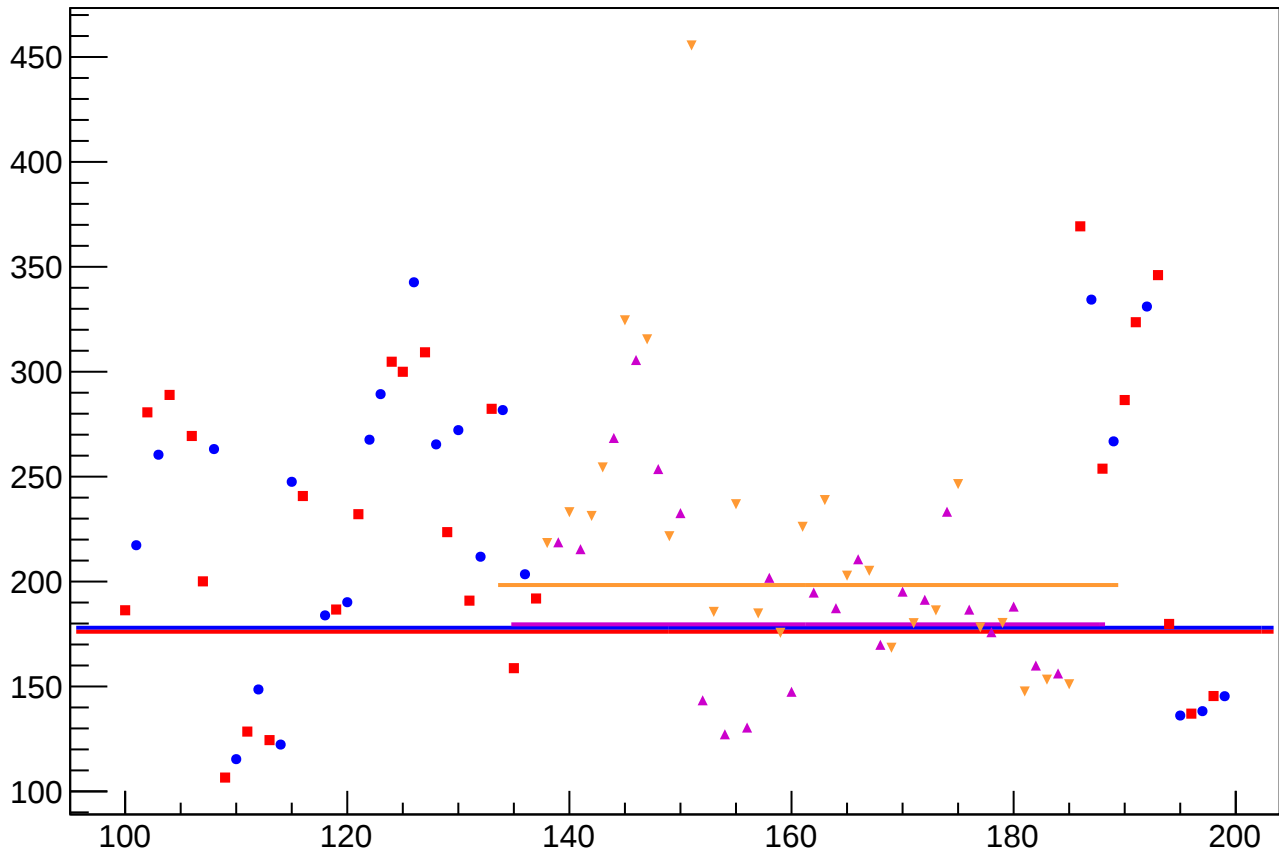
Left In: -35.879 ± 45.087 χ^2/NDF : 6.3/22

+ sign 8.498 ± 36.957 χ^2/NDF : 20.4/47

All: -3.320 ± 25.349 χ^2/NDF : 35.7/97

- sign -13.818 ± 34.834 χ^2/NDF : 15.1/49

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 177.980 $\pm$ 0.041 χ^2 /NDF: 2028635.2/22

Left Out: 198.344 $\pm$ 0.034 χ^2 /NDF: 1757450.6/24

Right Out: 176.090 $\pm$ 0.039 χ^2 /NDF: 2723190.0/26

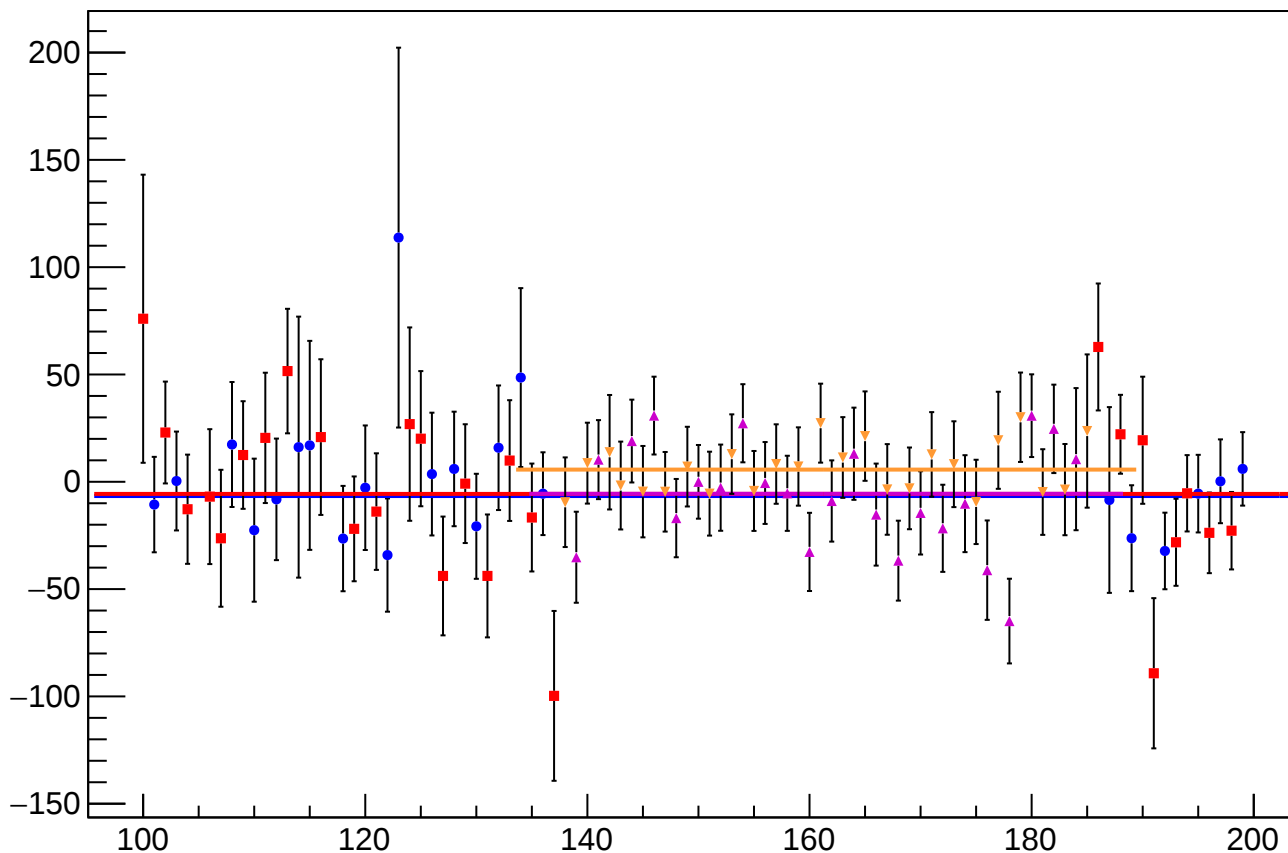
Left In: 179.605 $\pm$ 0.032 χ^2 /NDF: 1575744.0/22

+ sign 190.081 $\pm$ 0.026 χ^2 /NDF: 3932497.2/47

All: 183.783 $\pm$ 0.018 χ^2 /NDF: 8346008.7/97

- sign 178.188 $\pm$ 0.025 χ^2 /NDF: 4303832.8/49

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -6.639 ± 5.308 $\chi^2/\text{NDF}: 11.4/22$

Left Out: 5.680 ± 4.024 $\chi^2/\text{NDF}: 7.7/24$

Right Out: -5.652 ± 5.027 $\chi^2/\text{NDF}: 37.8/26$

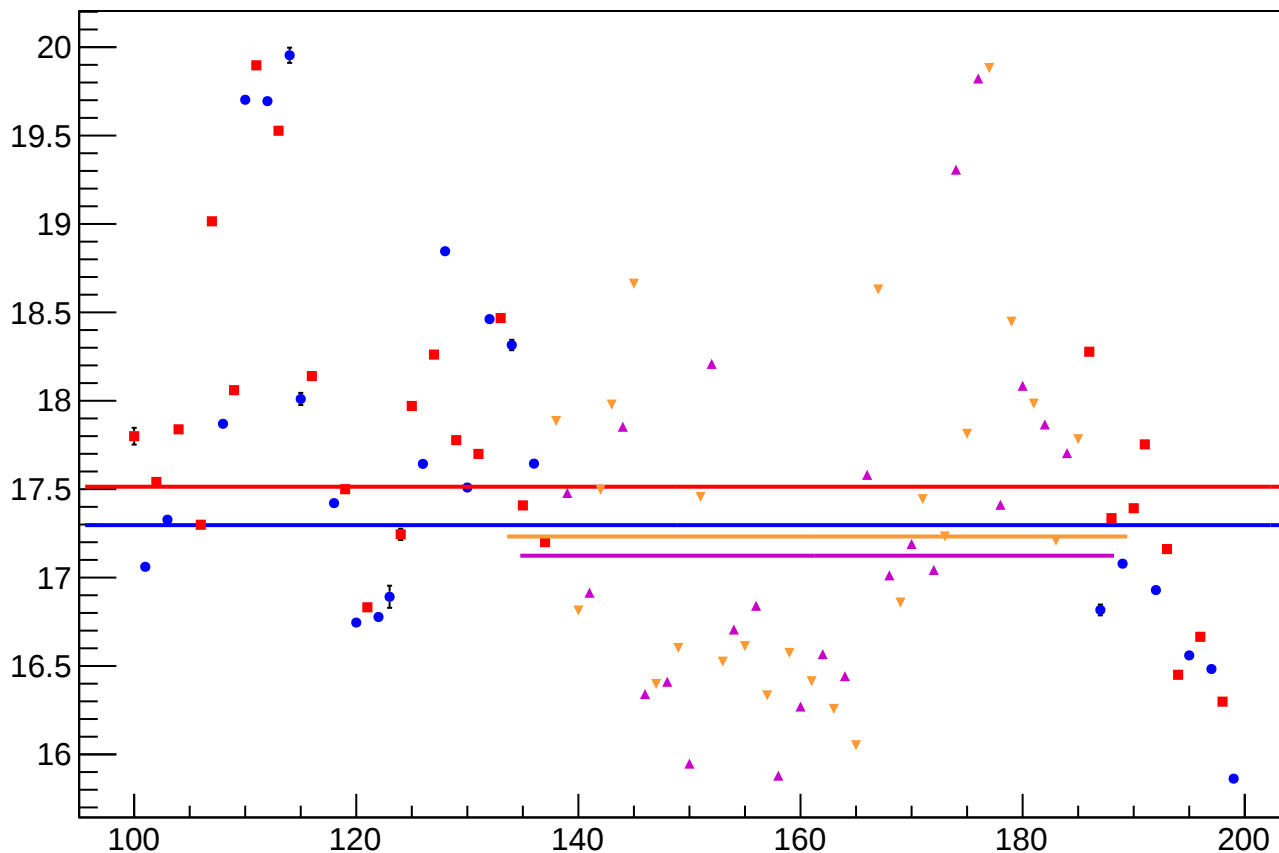
Left In: -5.595 ± 4.121 $\chi^2/\text{NDF}: 36.4/22$

+ sign 1.184 ± 3.206 $\chi^2/\text{NDF}: 22.6/47$

All: -2.237 ± 2.260 $\chi^2/\text{NDF}: 99.1/97$

- sign -5.618 ± 3.187 $\chi^2/\text{NDF}: 74.2/49$

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.297 $\pm$ 0.004 χ^2/NDF : 65935.4/22

Left Out: 17.232 $\pm$ 0.003 χ^2/NDF : 98701.0/24

Right Out: 17.514 $\pm$ 0.004 χ^2/NDF : 56883.4/26

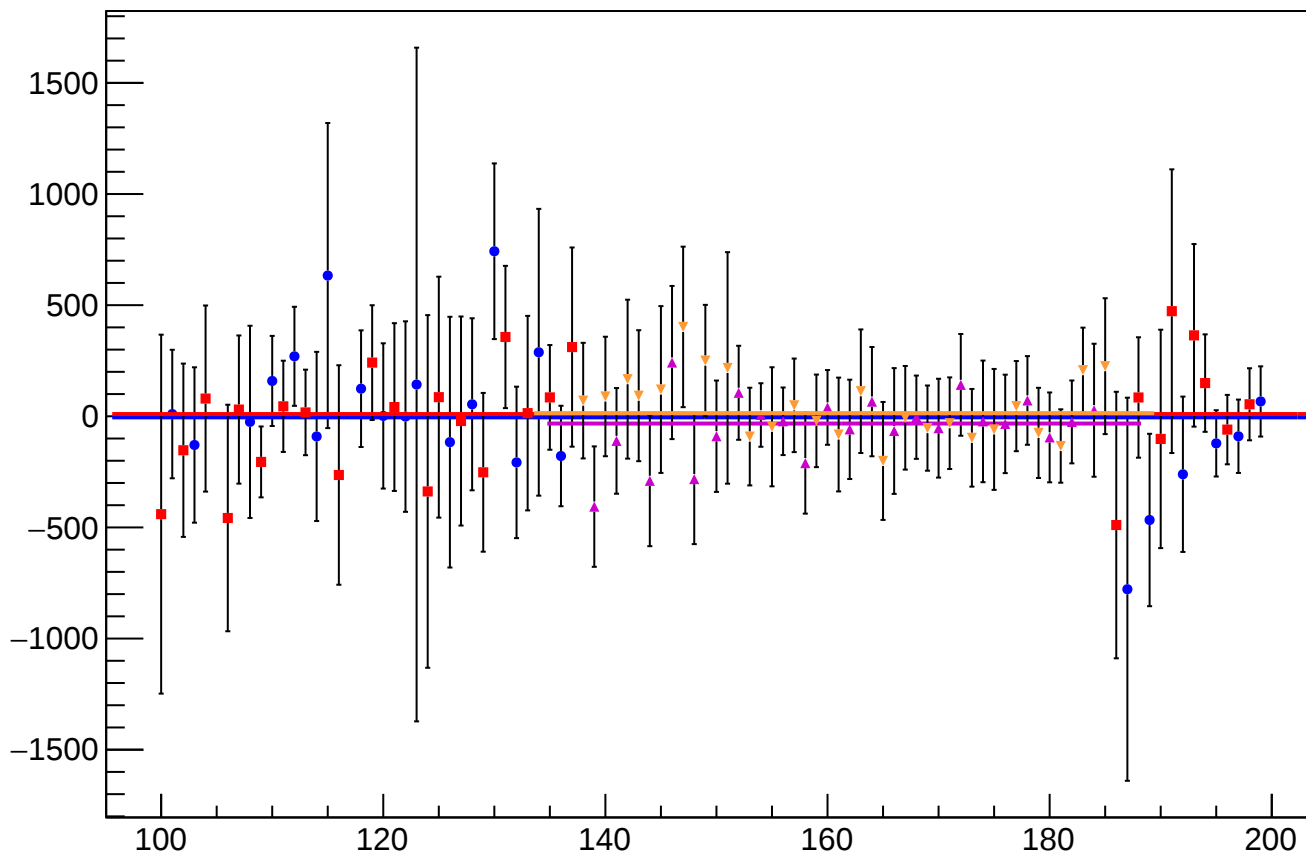
Left In: 17.124 $\pm$ 0.003 χ^2/NDF : 100747.0/22

+ sign 17.256 $\pm$ 0.002 χ^2/NDF : 164821.8/47

All: 17.268 $\pm$ 0.002 χ^2/NDF : 329719.4/97

- sign 17.281 $\pm$ 0.002 χ^2/NDF : 164837.7/49

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -4.765 ± 58.365 χ^2/NDF : 12.1/22

Left Out: 14.362 ± 48.130 χ^2/NDF : 6.9/24

Right Out: 10.106 ± 55.298 χ^2/NDF : 9.6/26

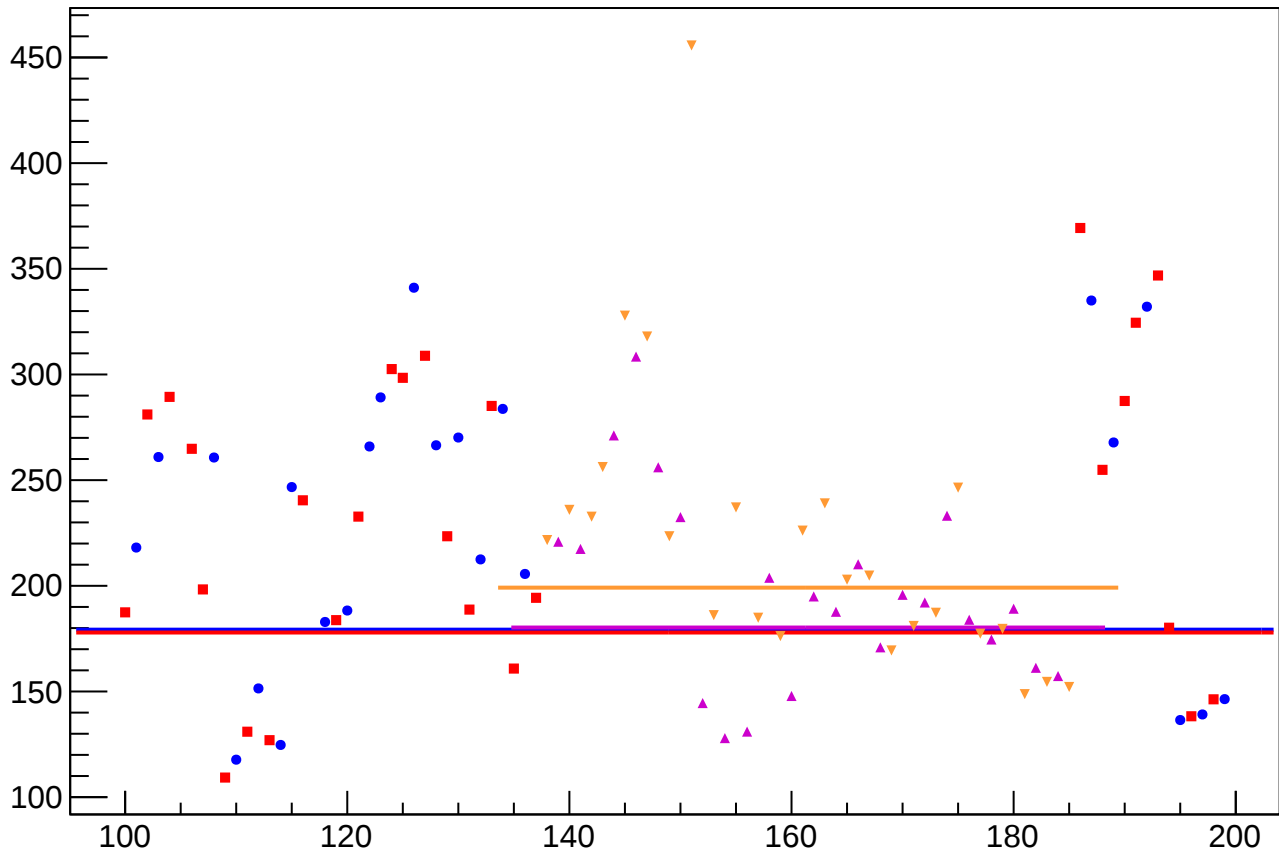
Left In: -32.571 ± 45.248 χ^2/NDF : 6.7/22

+ sign 6.620 ± 37.133 χ^2/NDF : 19.1/47

All: -5.064 ± 25.476 χ^2/NDF : 35.9/97

- sign -15.456 ± 35.018 χ^2/NDF : 16.6/49

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 179.251+/-0.041 χ^2/NDF : 1978616.2/22

Left Out: 199.136+/-0.034 χ^2/NDF : 1760298.1/24

Right Out: 177.904+/-0.039 χ^2/NDF : 2623500.3/26

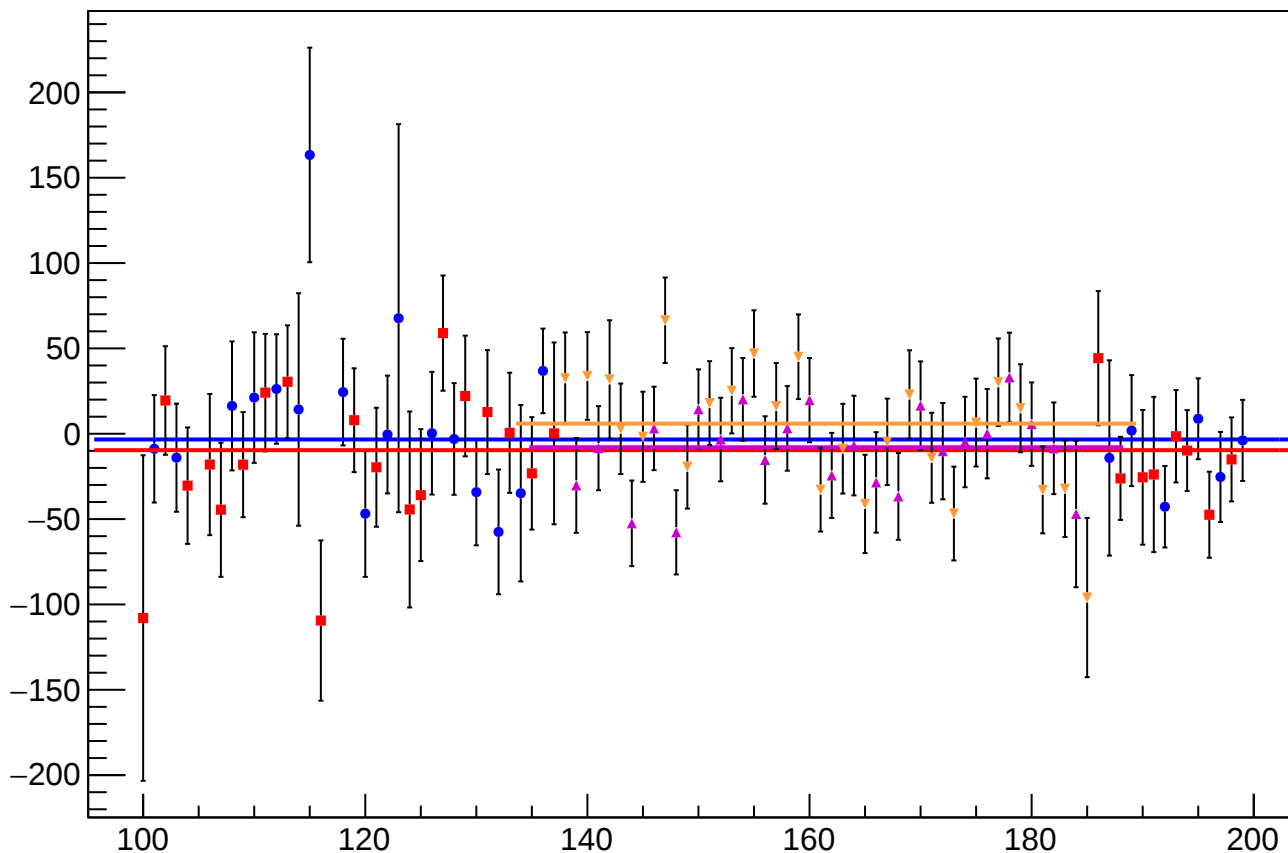
Left In: 180.256+/-0.032 χ^2/NDF : 1580553.5/22

+ sign 191.087+/-0.026 χ^2/NDF : 3877101.5/47

All: 184.855+/-0.018 χ^2/NDF : 8189750.1/97

- sign 179.313+/-0.025 χ^2/NDF : 4206221.8/49

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -3.353 ± 6.902 $\chi^2/\text{NDF}: 21.3/22$

Left Out: 5.937 ± 5.285 $\chi^2/\text{NDF}: 36.1/24$

Right Out: -9.629 ± 6.497 $\chi^2/\text{NDF}: 22.0/26$

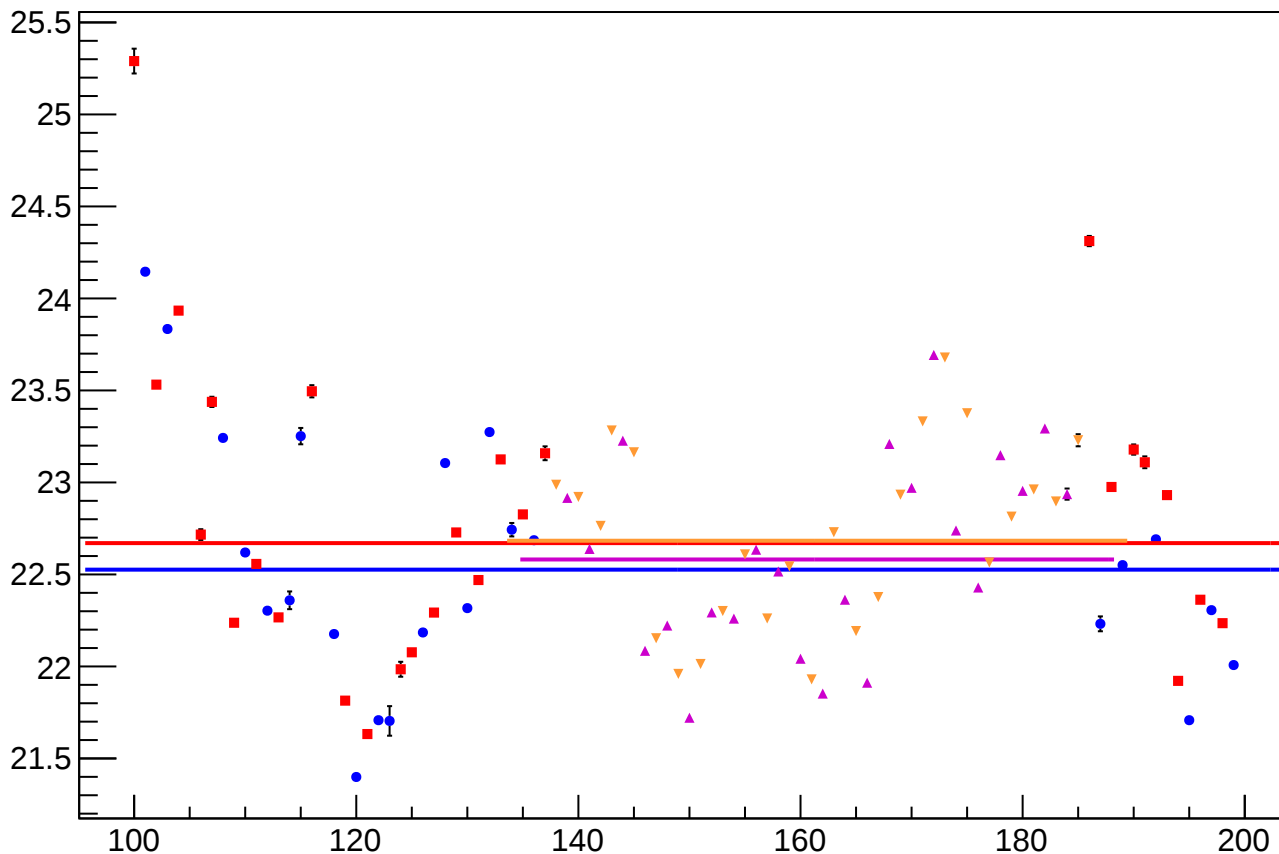
Left In: -7.915 ± 5.422 $\chi^2/\text{NDF}: 18.7/22$

+ sign 2.504 ± 4.196 $\chi^2/\text{NDF}: 58.5/47$

All: -3.102 ± 2.955 $\chi^2/\text{NDF}: 102.8/97$

- sign -8.619 ± 4.163 $\chi^2/\text{NDF}: 40.7/49$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.526 $\pm$ 0.005 χ^2 /NDF: 18622.3/22

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF: 16320.2/24

Right Out: 22.670 $\pm$ 0.005 χ^2 /NDF: 20226.6/26

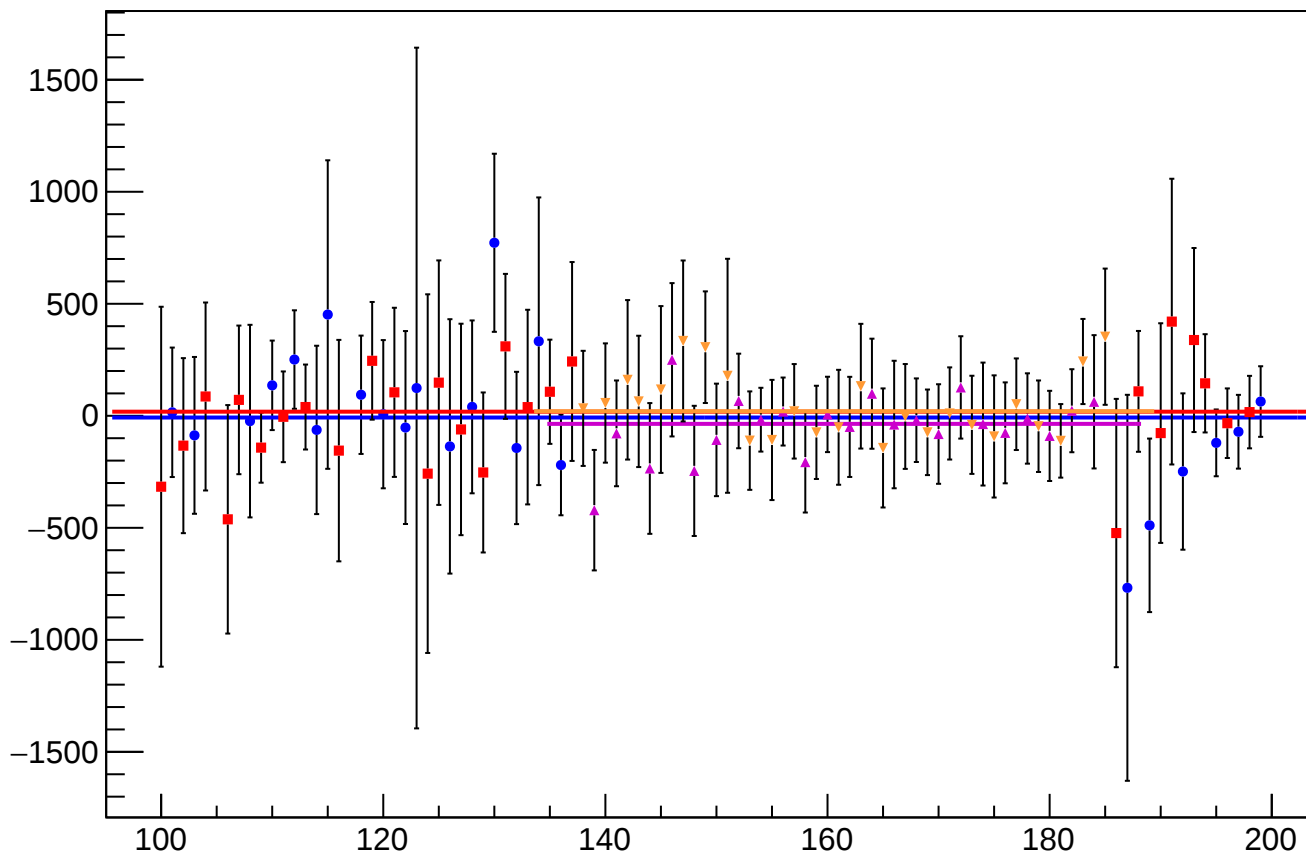
Left In: 22.581 $\pm$ 0.004 χ^2 /NDF: 17904.5/22

+ sign 22.625 $\pm$ 0.003 χ^2 /NDF: 35596.0/47

All: 22.621 $\pm$ 0.002 χ^2 /NDF: 73951.2/97

- sign 22.618 $\pm$ 0.003 χ^2 /NDF: 38352.1/49

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -7.655 ± 58.190 $\chi^2/\text{NDF}: 11.6/22$

Left Out: 20.306 ± 48.049 $\chi^2/\text{NDF}: 7.7/24$

Right Out: 18.414 ± 55.001 $\chi^2/\text{NDF}: 7.7/26$

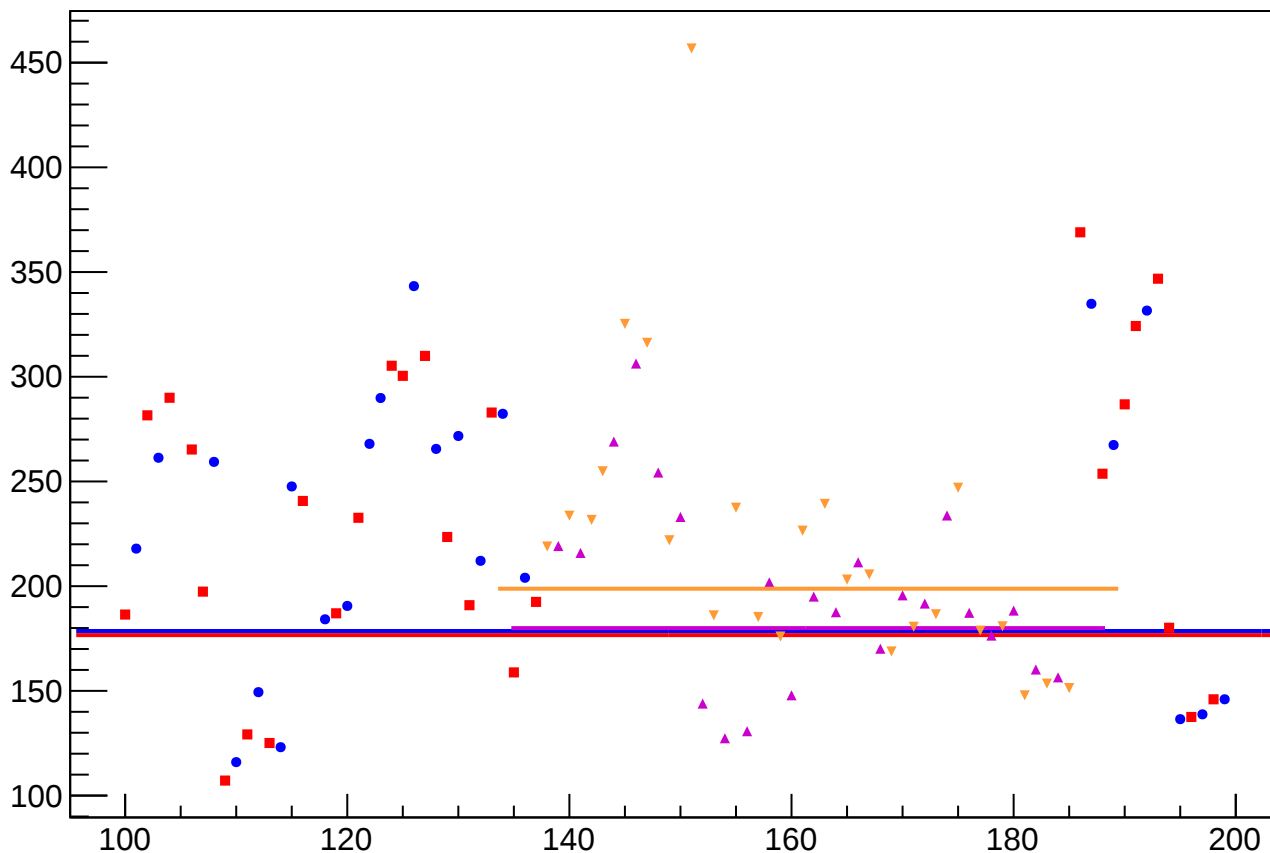
Left In: -35.996 ± 45.180 $\chi^2/\text{NDF}: 6.1/22$

+ sign 8.970 ± 37.050 $\chi^2/\text{NDF}: 19.4/47$

All: -3.236 ± 25.409 $\chi^2/\text{NDF}: 33.9/97$

- sign -14.074 ± 34.911 $\chi^2/\text{NDF}: 14.3/49$

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 178.583 $\pm$ 0.041 χ^2 /NDF: 2009896.9/22

Left Out: 198.784 $\pm$ 0.034 χ^2 /NDF: 1758481.8/24

Right Out: 176.625 $\pm$ 0.039 χ^2 /NDF: 2697946.6/26

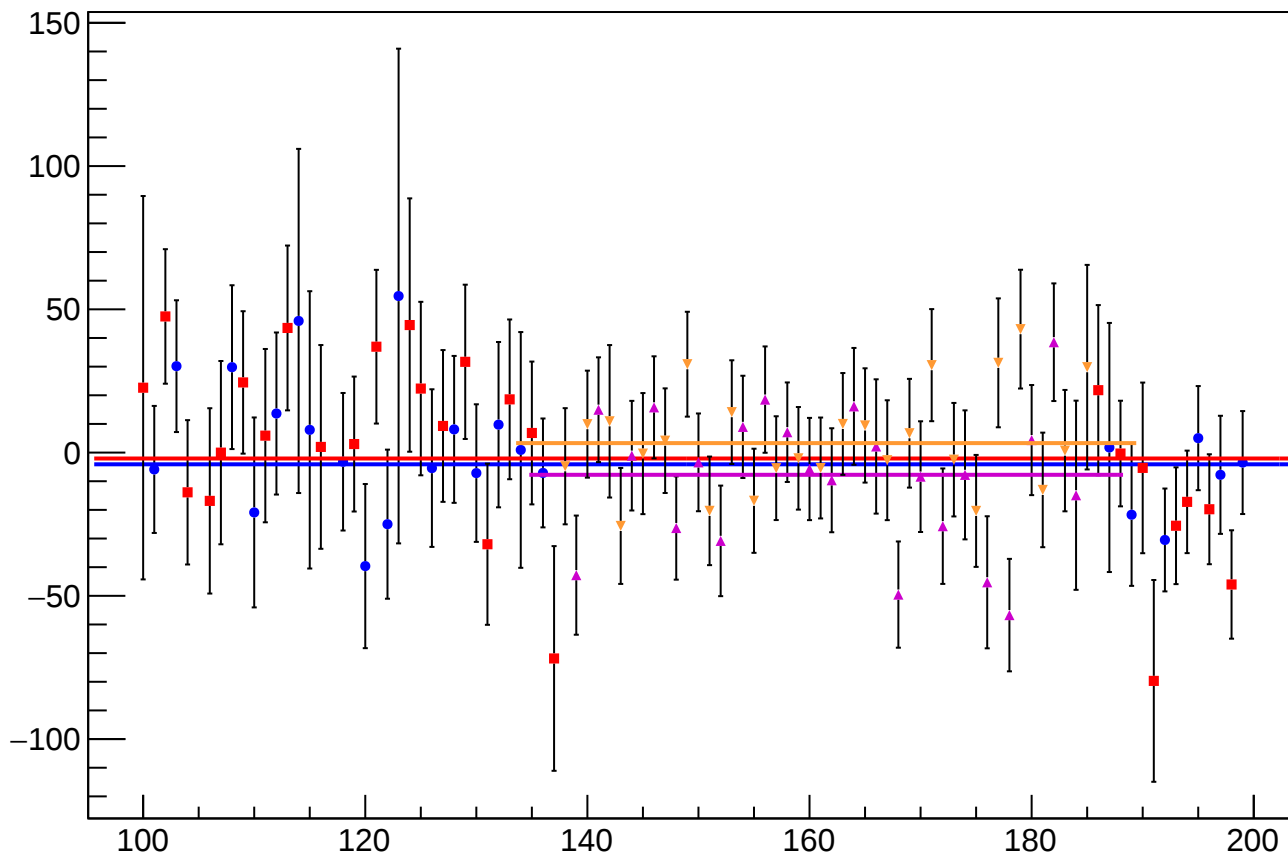
Left In: 179.972 $\pm$ 0.032 χ^2 /NDF: 1575888.3/22

+ sign 190.595 $\pm$ 0.026 χ^2 /NDF: 3911695.9/47

All: 184.254 $\pm$ 0.018 χ^2 /NDF: 8300550.6/97

- sign 178.624 $\pm$ 0.025 χ^2 /NDF: 4278258.6/49

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -4.094 ± 5.311 χ^2/NDF : 11.2/22

Left Out: 3.307 ± 3.954 χ^2/NDF : 18.7/24

Right Out: -2.067 ± 5.018 χ^2/NDF : 33.2/26

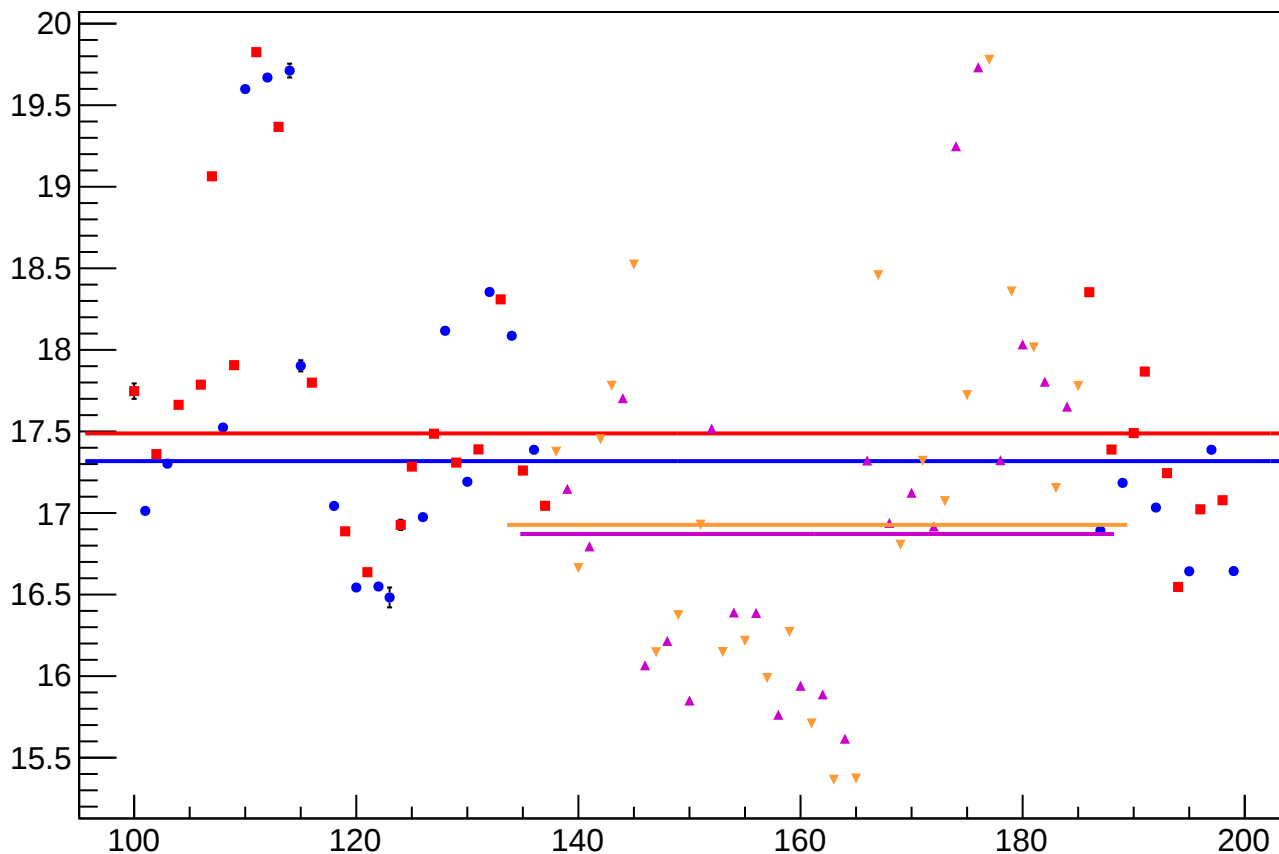
Left In: -7.756 ± 4.061 χ^2/NDF : 34.3/22

+ sign 0.668 ± 3.171 χ^2/NDF : 31.1/47

All: -2.433 ± 2.237 χ^2/NDF : 101.3/97

- sign -5.505 ± 3.157 χ^2/NDF : 68.3/49

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.318+/-0.004 χ^2/NDF : 42871.6/22

Left Out: 16.927+/-0.003 χ^2/NDF : 138533.2/24

Right Out: 17.488+/-0.004 χ^2/NDF : 42325.1/26

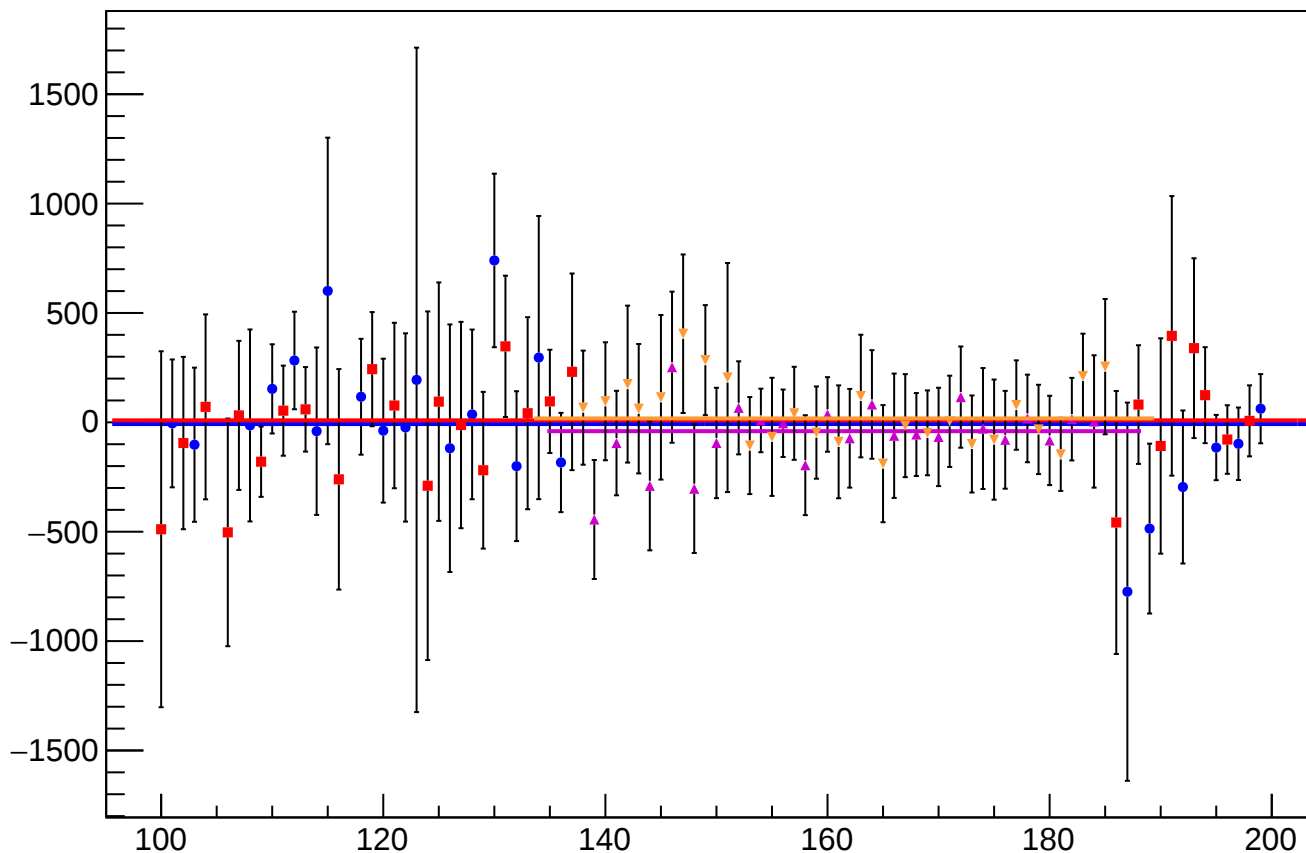
Left In: 16.871+/-0.003 χ^2/NDF : 117993.8/22

+ sign 17.067+/-0.002 χ^2/NDF : 188373.1/47

All: 17.091+/-0.002 χ^2/NDF : 367179.2/97

- sign 17.115+/-0.002 χ^2/NDF : 178569.4/49

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -7.833 ± 58.592 χ^2/NDF : 12.1/22

Left Out: 17.828 ± 48.547 χ^2/NDF : 7.5/24

Right Out: 9.143 ± 55.573 χ^2/NDF : 8.4/26

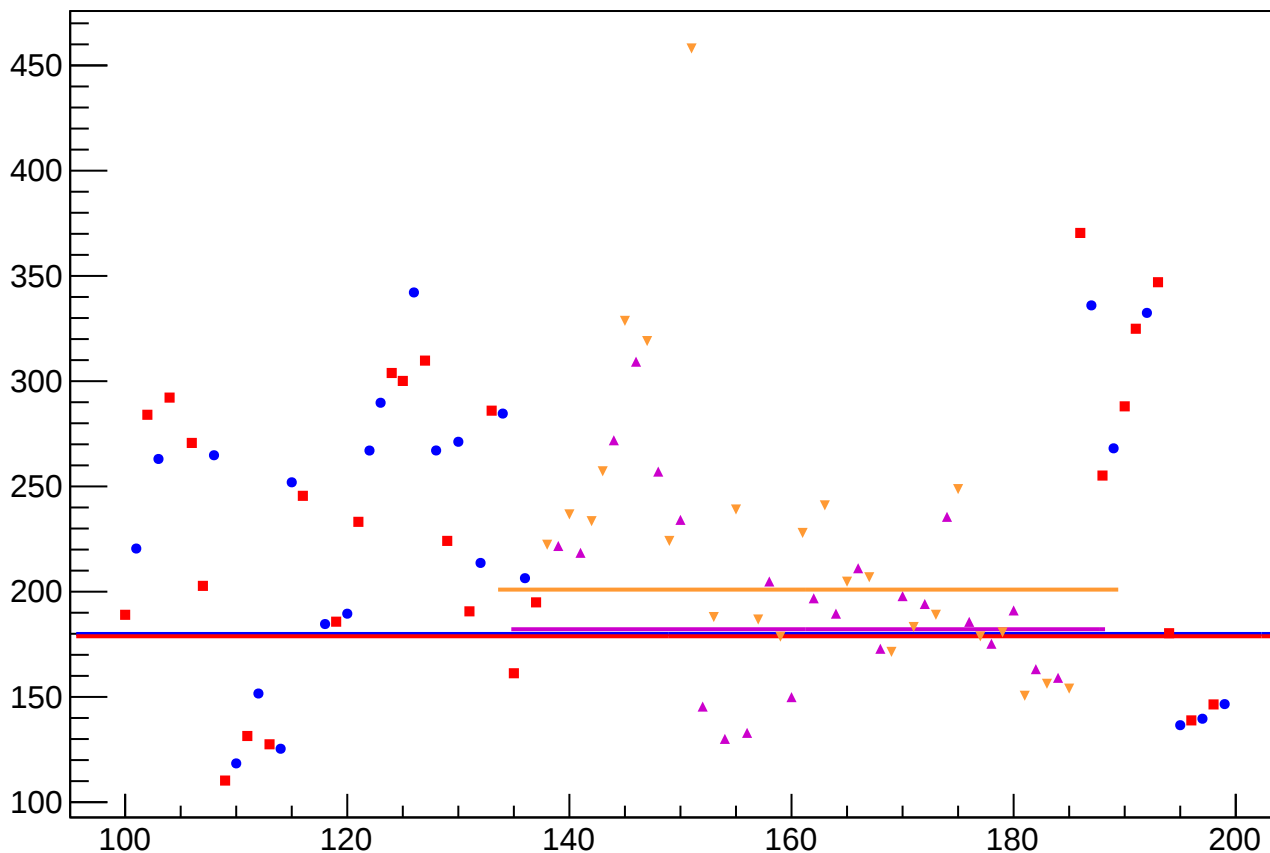
Left In: -40.355 ± 45.689 χ^2/NDF : 6.6/22

+ sign 7.383 ± 37.382 χ^2/NDF : 19.7/47

All: -7.303 ± 25.663 χ^2/NDF : 35.5/97

- sign -20.392 ± 35.293 χ^2/NDF : 15.5/49

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 179.910 $\pm$ 0.041 χ^2 /NDF: 1990337.6/22

Left Out: 200.985 $\pm$ 0.034 χ^2 /NDF:1727291.4/24

Right Out: 178.815 $\pm$ 0.039 χ^2 /NDF: 2627194.9/26

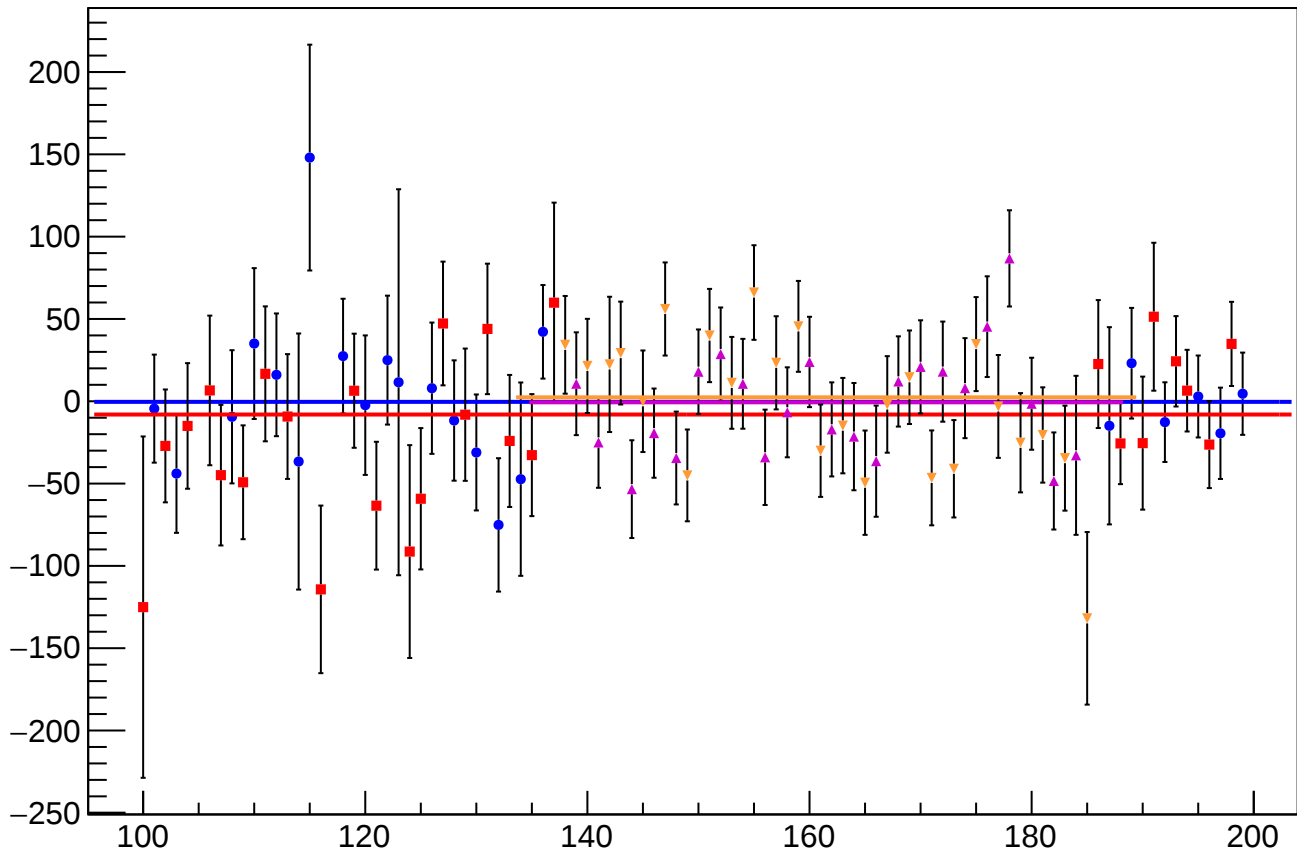
Left In: 182.158 $\pm$ 0.032 χ^2 /NDF:1535922.8/22

+ sign 192.406 $\pm$ 0.026 χ^2 /NDF: 3871062.7/47

All: 186.275 $\pm$ 0.018 χ^2 /NDF: 8140254.2/97

- sign 180.810 $\pm$ 0.025 χ^2 /NDF: 4167435.8/49

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -0.356 ± 7.517 χ^2/NDF : 16.8/22

Left Out: 2.390 ± 5.980 χ^2/NDF : 39.1/24

Right Out: -8.052 ± 7.008 χ^2/NDF : 27.7/26

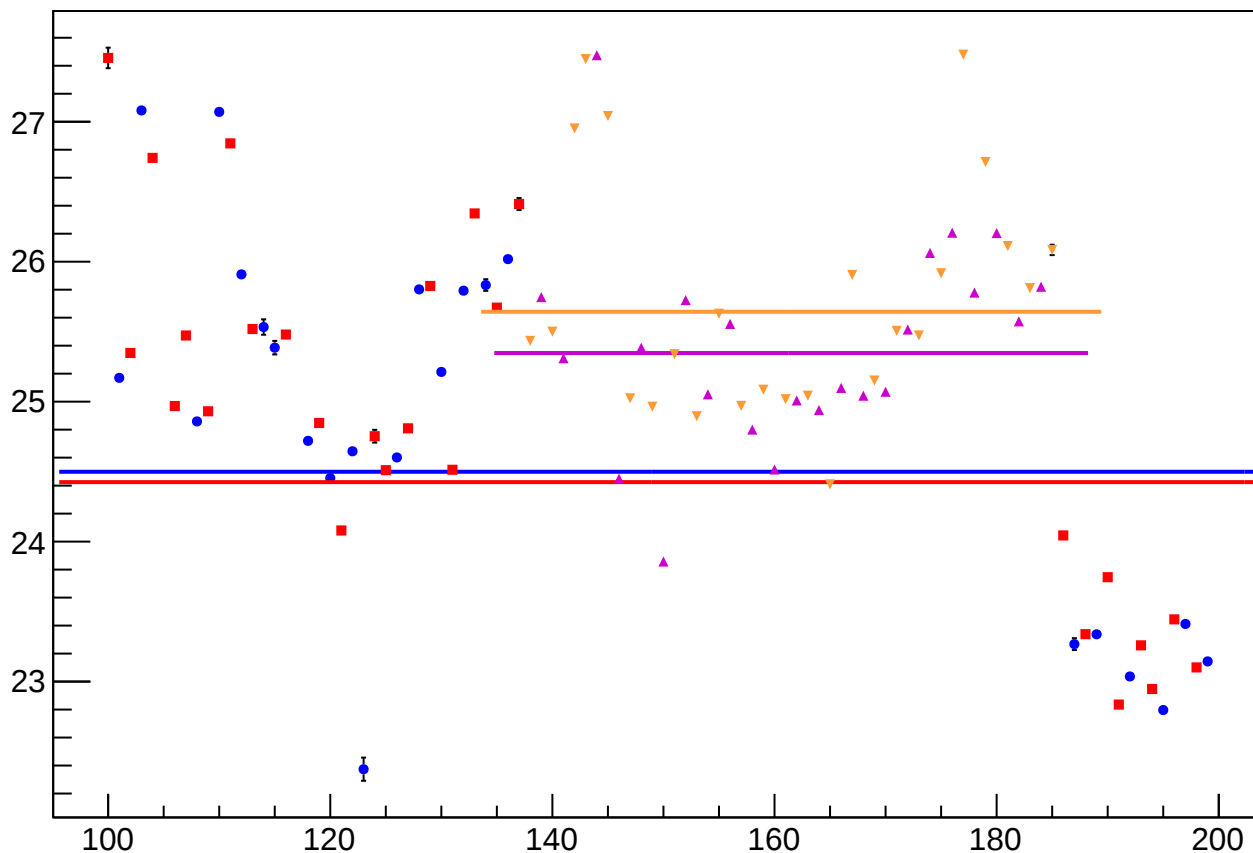
Left In: -0.641 ± 6.091 χ^2/NDF : 27.3/22

+ sign 1.325 ± 4.680 χ^2/NDF : 56.0/47

All: -1.298 ± 3.280 χ^2/NDF : 112.3/97

- sign -3.830 ± 4.597 χ^2/NDF : 55.7/49

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.499 ± 0.005 χ^2/NDF : 62904.2/22

Left Out: 25.642 ± 0.004 χ^2/NDF : 34802.2/24

Right Out: 24.425 ± 0.005 χ^2/NDF : 60051.2/26

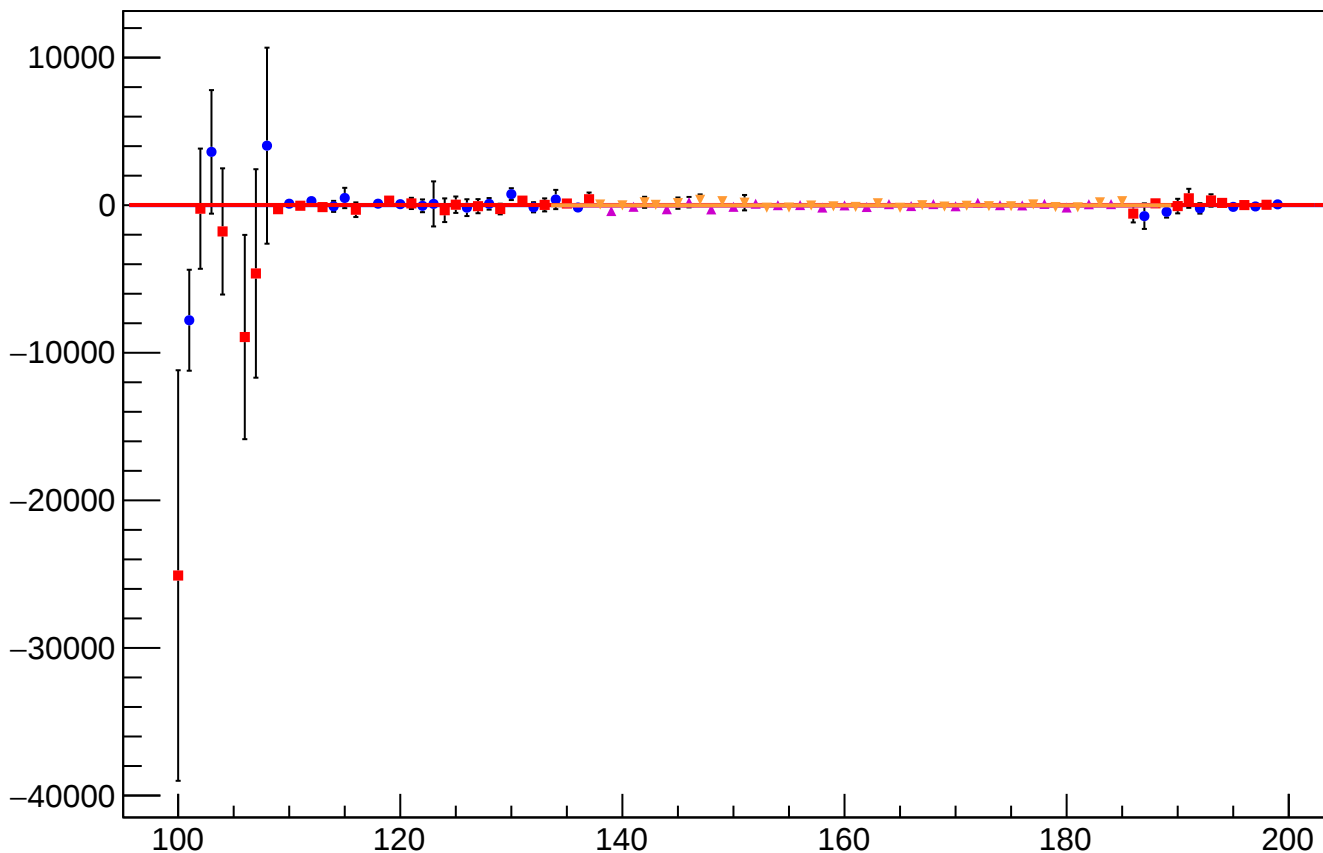
Left In: 25.347 ± 0.004 χ^2/NDF : 29389.5/22

+ sign 25.199 ± 0.003 χ^2/NDF : 126038.1/47

All: 25.073 ± 0.002 χ^2/NDF : 238093.5/97

- sign 24.950 ± 0.003 χ^2/NDF : 109179.7/49

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 1.102 $\pm$ 62.197 χ^2 /NDF: 16.9/22

Left Out: -11.432 $\pm$ 48.263 χ^2 /NDF: 8.0/24

Right Out: 15.302 $\pm$ 60.414 χ^2 /NDF: 14.7/26

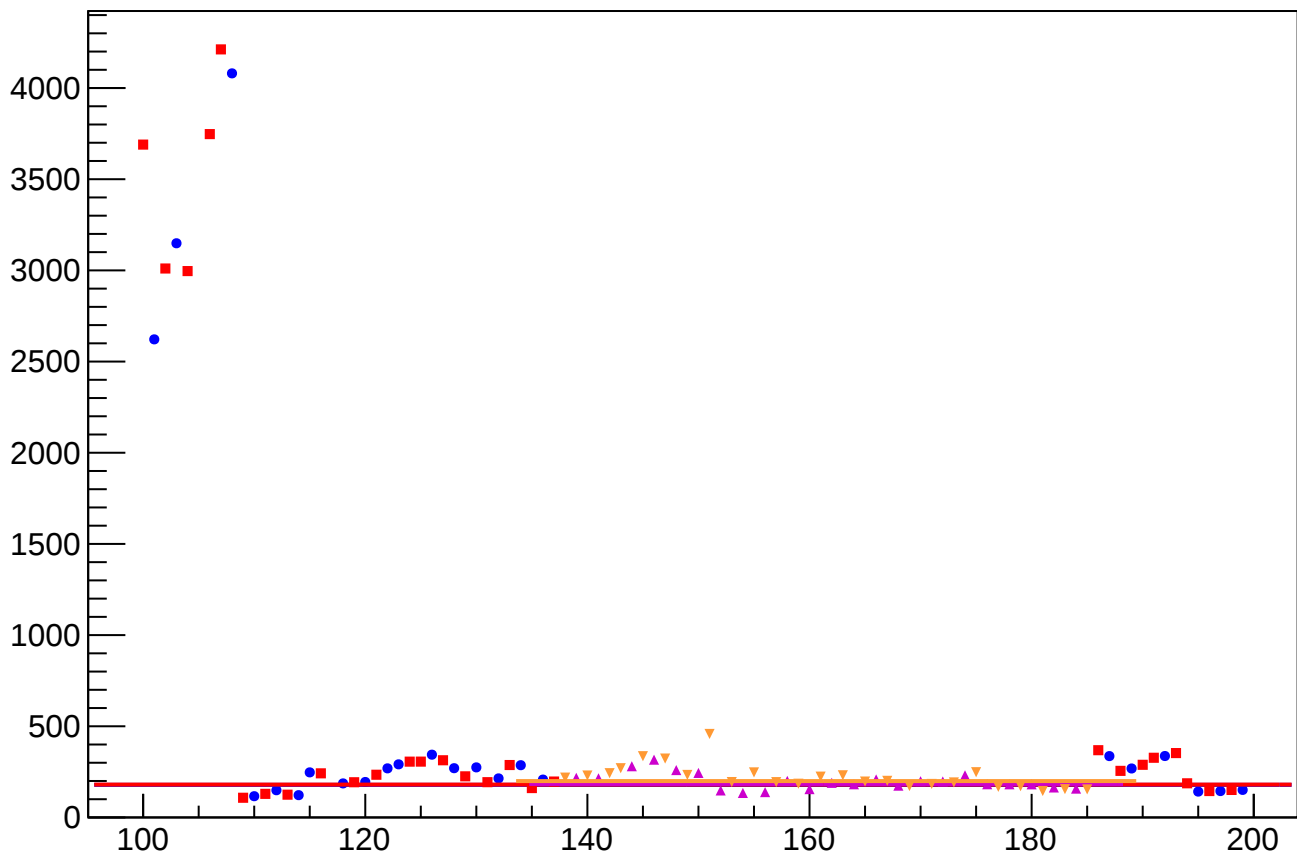
Left In: -27.098 $\pm$ 45.999 χ^2 /NDF: 7.2/22

+ sign -6.721 $\pm$ 38.130 χ^2 /NDF: 24.9/47

All: -9.228 $\pm$ 26.404 χ^2 /NDF: 47.1/97

- sign -11.538 $\pm$ 36.598 χ^2 /NDF: 22.2/49

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 178.630 $\pm$ 0.044 χ^2 /NDF: 4436150.9/22

Left Out: 199.438 $\pm$ 0.034 χ^2 /NDF:1877848.7/24

Right Out: 180.227 $\pm$ 0.043 χ^2 /NDF: 5270095.3/26

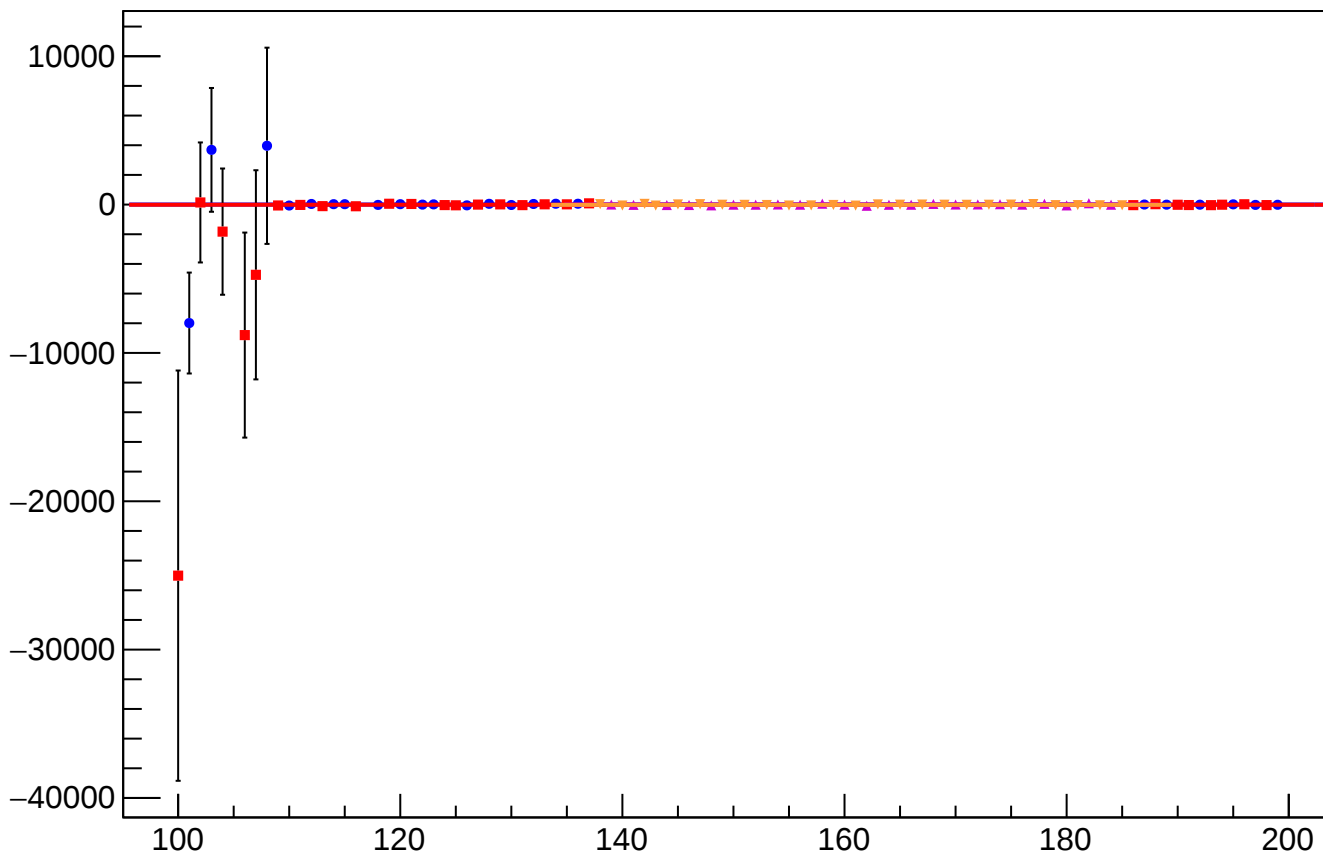
Left In: 183.805 $\pm$ 0.033 χ^2 /NDF:1412869.6/22

+ sign 191.618 $\pm$ 0.027 χ^2 /NDF: 6453712.9/47

All: 186.868 $\pm$ 0.019 χ^2 /NDF: 13200747.7/97

- sign 182.492 $\pm$ 0.026 χ^2 /NDF: 6687405.2/49

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 3.840 ± 9.144 χ^2/NDF : 19.9/22

Left Out: -18.118 ± 6.704 χ^2/NDF : 21.7/24

Right Out: -10.996 ± 8.720 χ^2/NDF : 28.2/26

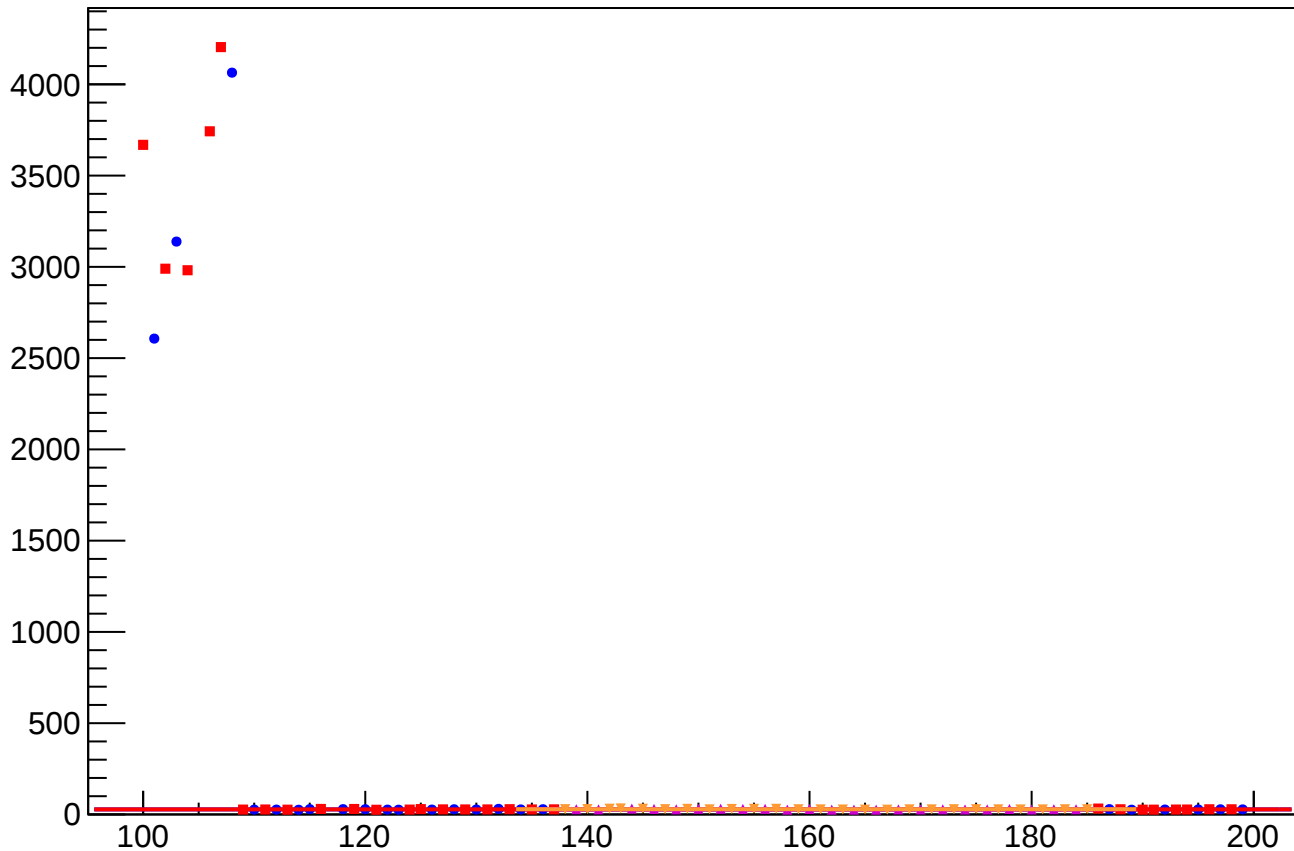
Left In: -1.267 ± 6.908 χ^2/NDF : 32.0/22

+ sign -10.442 ± 5.406 χ^2/NDF : 45.4/47

All: -7.734 ± 3.826 χ^2/NDF : 106.9/97

- sign -5.019 ± 5.415 χ^2/NDF : 60.9/49

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.633 $\pm$ 0.006 χ^2 /NDF: 3034289.0/22

Left Out: 28.694 $\pm$ 0.005 χ^2 /NDF: 110466.9/24

Right Out: 27.741 $\pm$ 0.006 χ^2 /NDF: 3500643.0/26

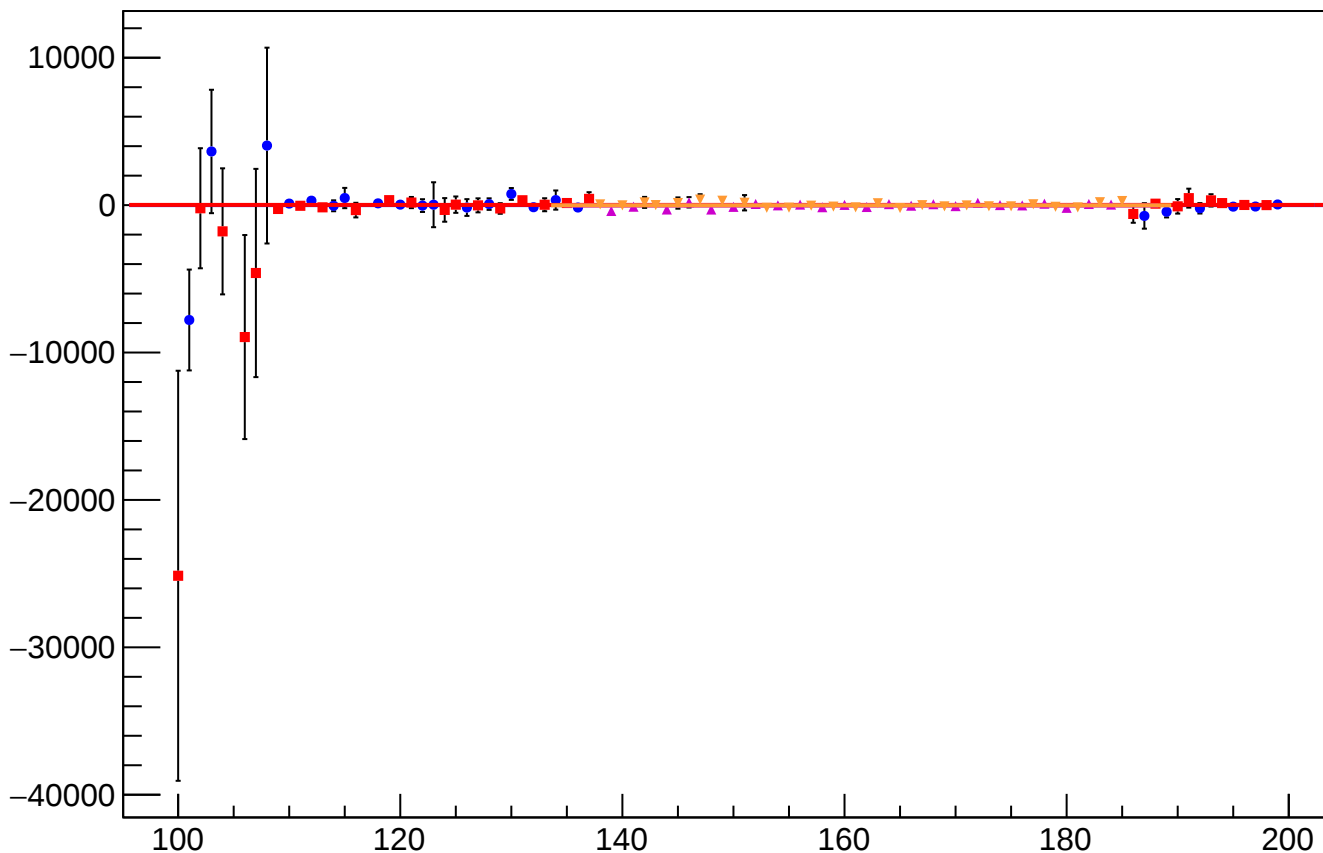
Left In: 28.677 $\pm$ 0.005 χ^2 /NDF: 123814.4/22

+ sign 28.323 $\pm$ 0.004 χ^2 /NDF: 3162274.4/47

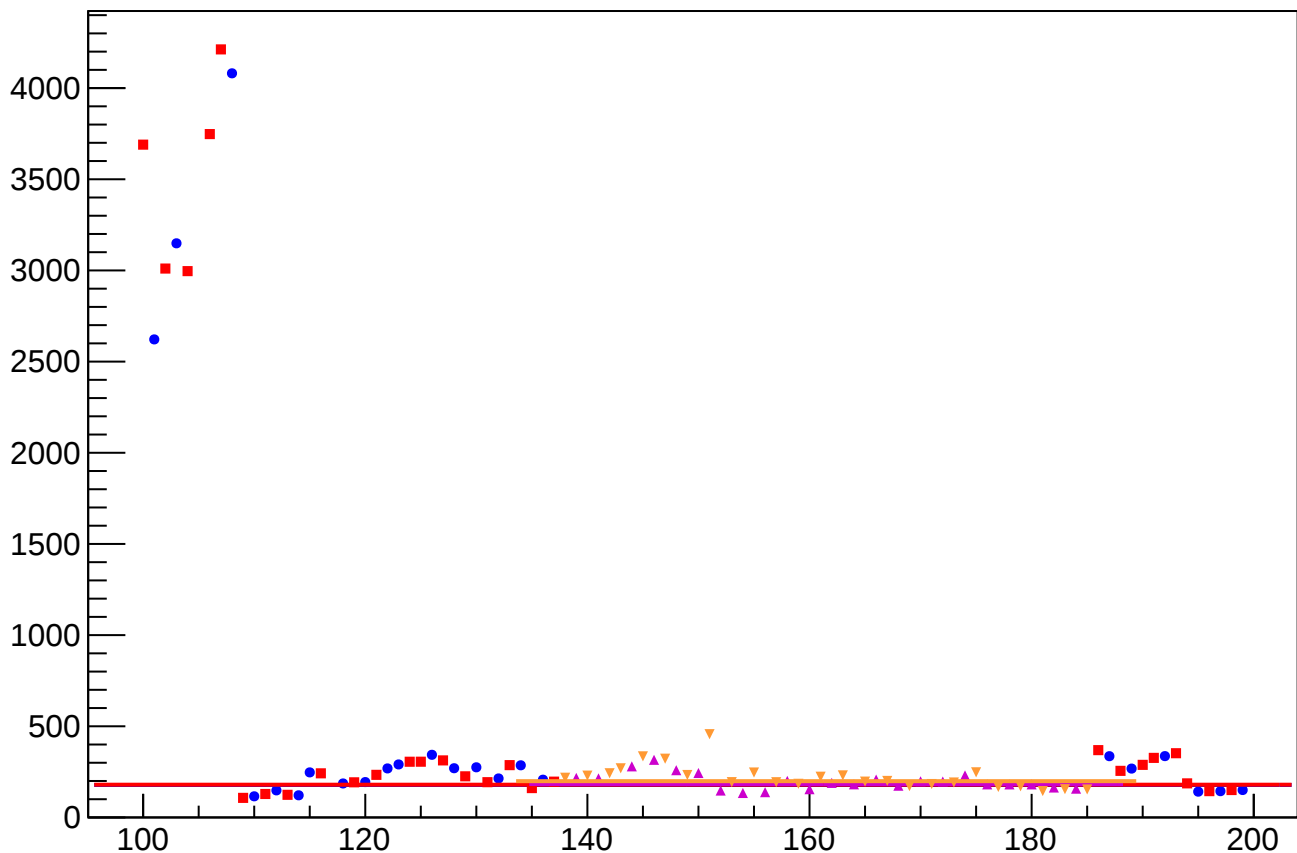
All: 28.319 $\pm$ 0.003 χ^2 /NDF: 6800887.7/97

- sign 28.316 $\pm$ 0.004 χ^2 /NDF: 3638611.7/49

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 178.003 $\pm$ 0.044 χ^2 /NDF: 4449706.0/22

Left Out: 198.997 $\pm$ 0.034 χ^2 /NDF:1877636.0/24

Right Out: 179.619 $\pm$ 0.043 χ^2 /NDF: 5288192.1/26

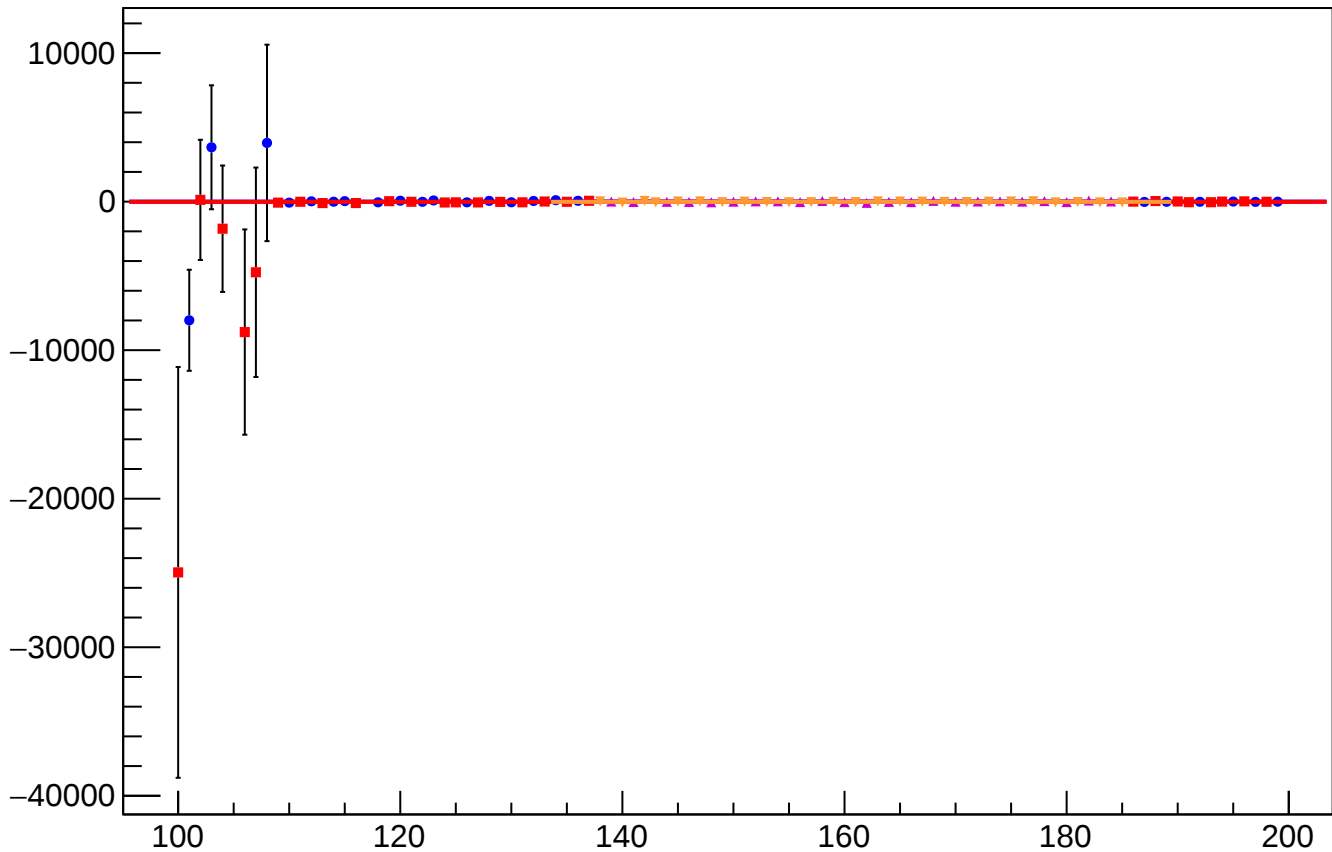
Left In: 183.442 $\pm$ 0.032 χ^2 /NDF:1412341.8/22

+ sign 191.098 $\pm$ 0.027 χ^2 /NDF: 6470357.4/47

All: 186.383 $\pm$ 0.019 χ^2 /NDF: 13235056.6/97

- sign 182.037 $\pm$ 0.026 χ^2 /NDF: 6705629.3/49

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 2.191+/-9.148 χ^2/NDF : 23.6/22

Left Out: -15.829+/-6.733 χ^2/NDF :16.5/24

Right Out: -13.539+/-8.734 χ^2/NDF : 23.5/26

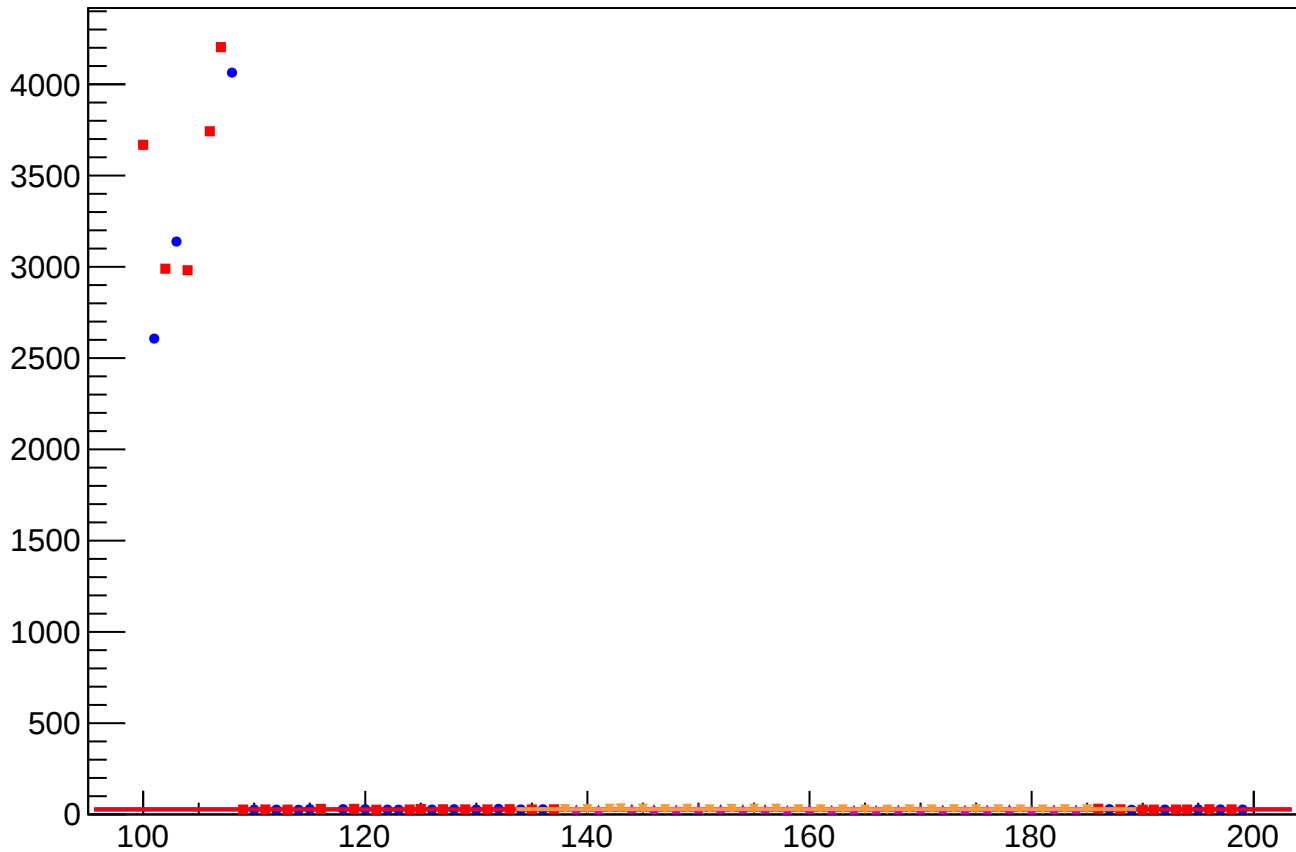
Left In: 0.498+/-6.937 χ^2/NDF :26.1/22

+ sign -9.498+/-5.423 χ^2/NDF : 42.6/47

All: -7.219+/-3.838 χ^2/NDF : 94.2/97

- sign -4.932+/-5.432 χ^2/NDF : 51.2/49

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.642 $\pm$ 0.006 χ^2 /NDF: 3036473.9/22

Left Out: 28.814 $\pm$ 0.005 χ^2 /NDF: 122153.6/24

Right Out: 27.786 $\pm$ 0.006 χ^2 /NDF: 3497672.3/26

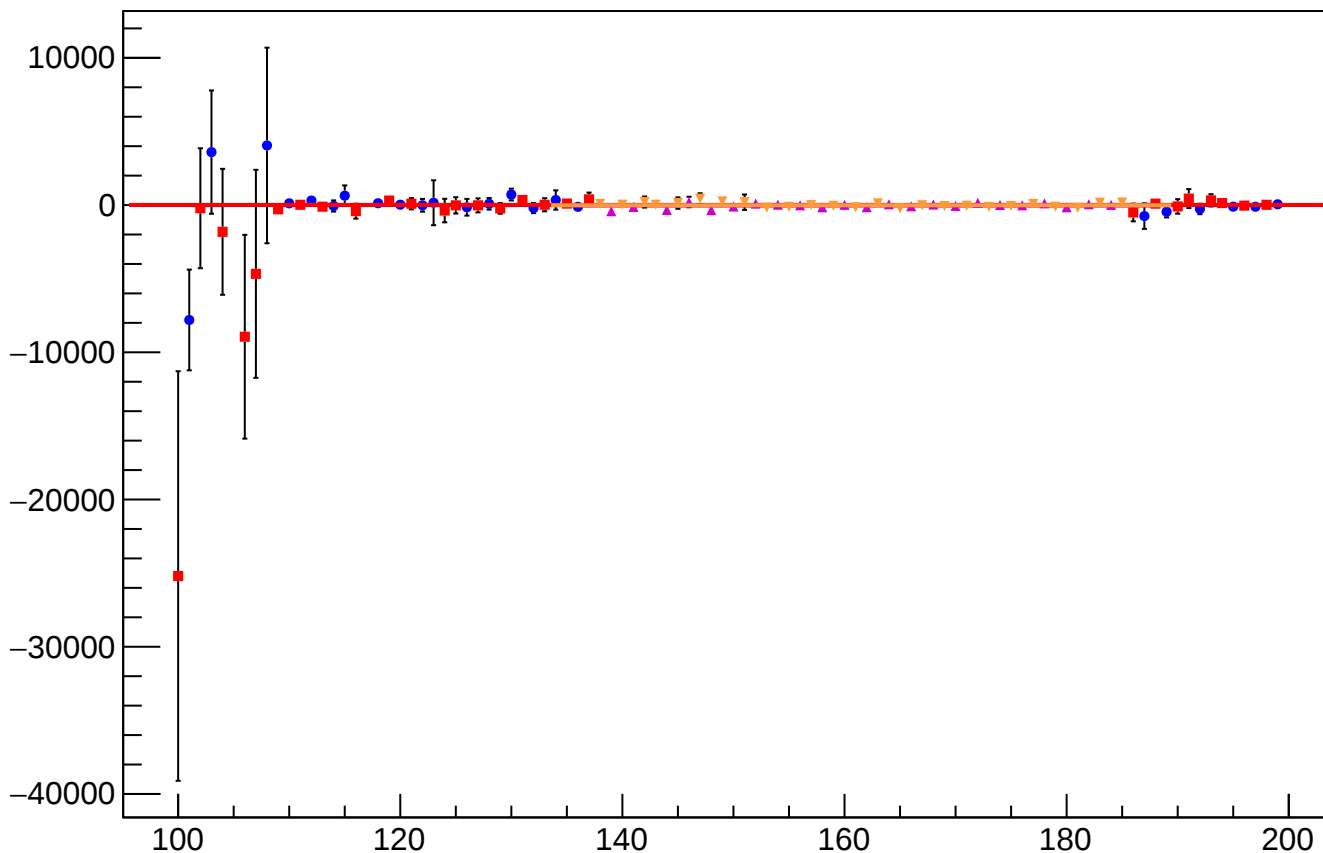
Left In: 28.797 $\pm$ 0.005 χ^2 /NDF: 128279.2/22

+ sign 28.403 $\pm$ 0.004 χ^2 /NDF: 3179912.0/47

All: 28.404 $\pm$ 0.003 χ^2 /NDF: 6822310.7/97

- sign 28.406 $\pm$ 0.004 χ^2 /NDF: 3642398.3/49

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 2.326 ± 62.500 χ^2/NDF : 17.5/22

Left Out: -13.966 ± 48.735 χ^2/NDF : 8.1/24

Right Out: 11.443 ± 60.815 χ^2/NDF : 14.6/26

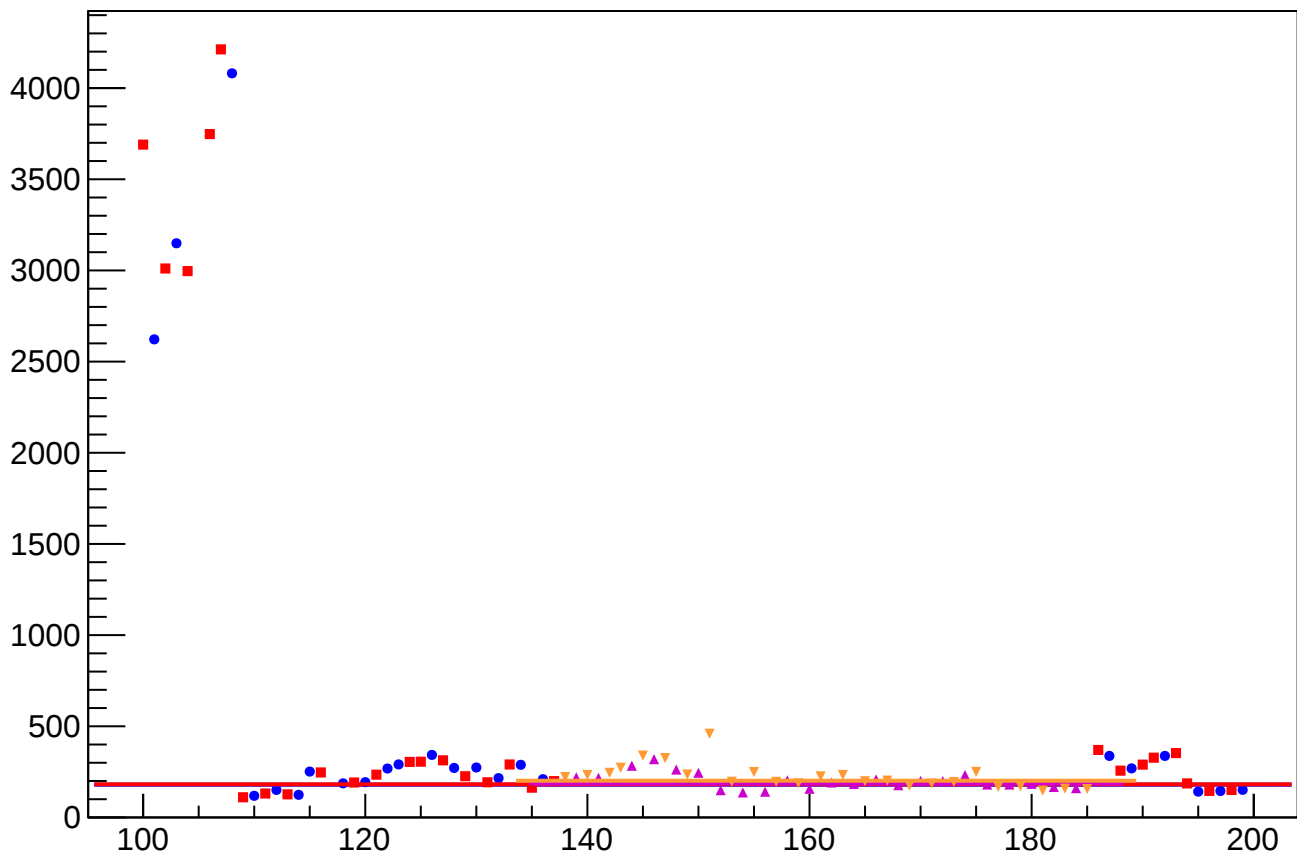
Left In: -31.477 ± 46.483 χ^2/NDF : 7.8/22

+ sign -7.805 ± 38.432 χ^2/NDF : 25.7/47

All: -11.884 ± 26.629 χ^2/NDF : 48.4/97

- sign -15.650 ± 36.931 χ^2/NDF : 22.7/49

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 179.610 $\pm$ 0.044 χ^2 /NDF: 4414325.2/22

Left Out: 201.503 $\pm$ 0.034 χ^2 /NDF:1854905.1/24

Right Out: 181.709 $\pm$ 0.043 χ^2 /NDF: 5219362.9/26

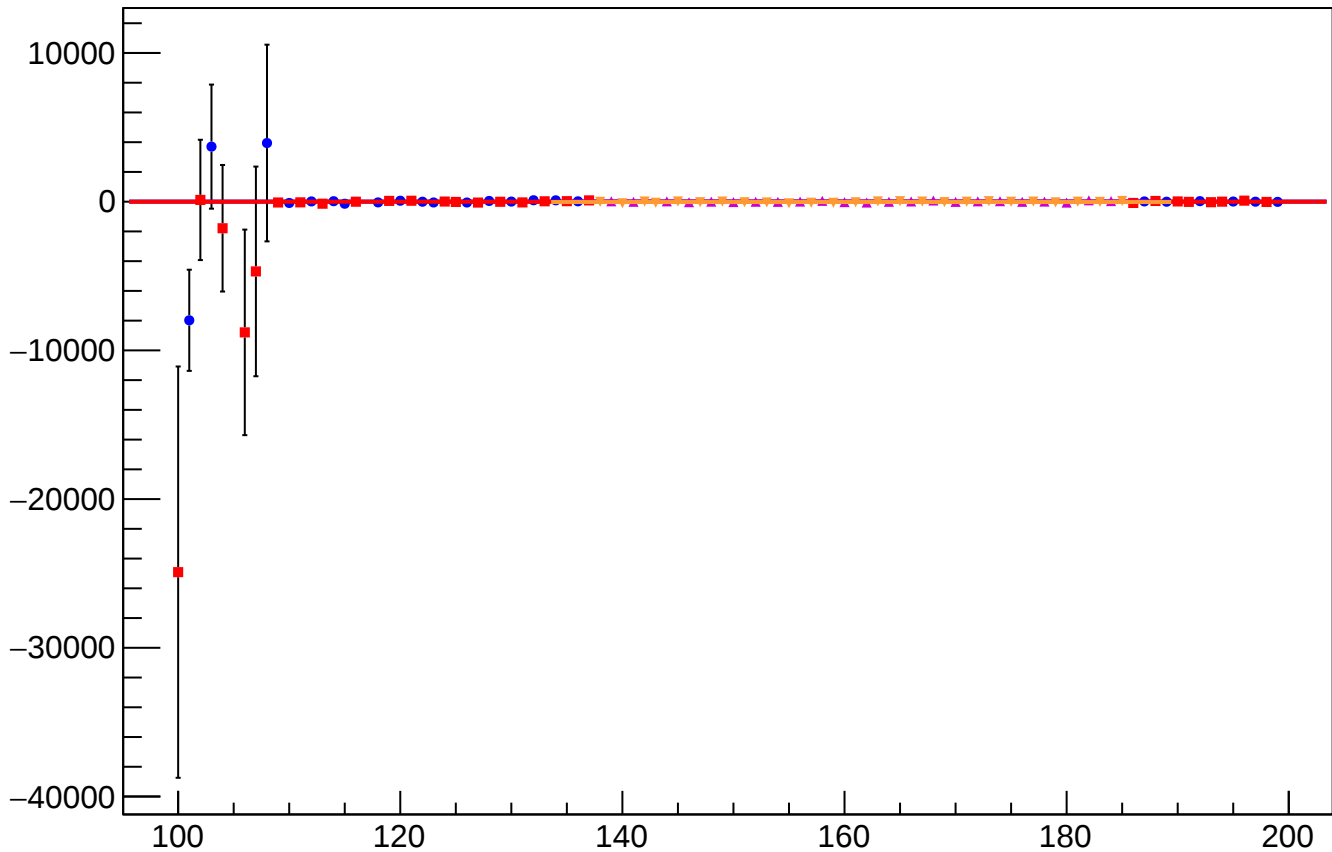
Left In: 185.878 $\pm$ 0.033 χ^2 /NDF:1380877.6/22

+ sign 193.225 $\pm$ 0.027 χ^2 /NDF: 6421840.4/47

All: 188.606 $\pm$ 0.019 χ^2 /NDF: 13083574.4/97

- sign 184.341 $\pm$ 0.026 χ^2 /NDF: 6606174.5/49

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 6.890 $\pm$ 11.153 χ^2 /NDF: 21.2/22

Left Out: -24.144 $\pm$ 8.076 χ^2 /NDF:24.9/24

Right Out: -2.911 $\pm$ 10.632 χ^2 /NDF: 29.8/26

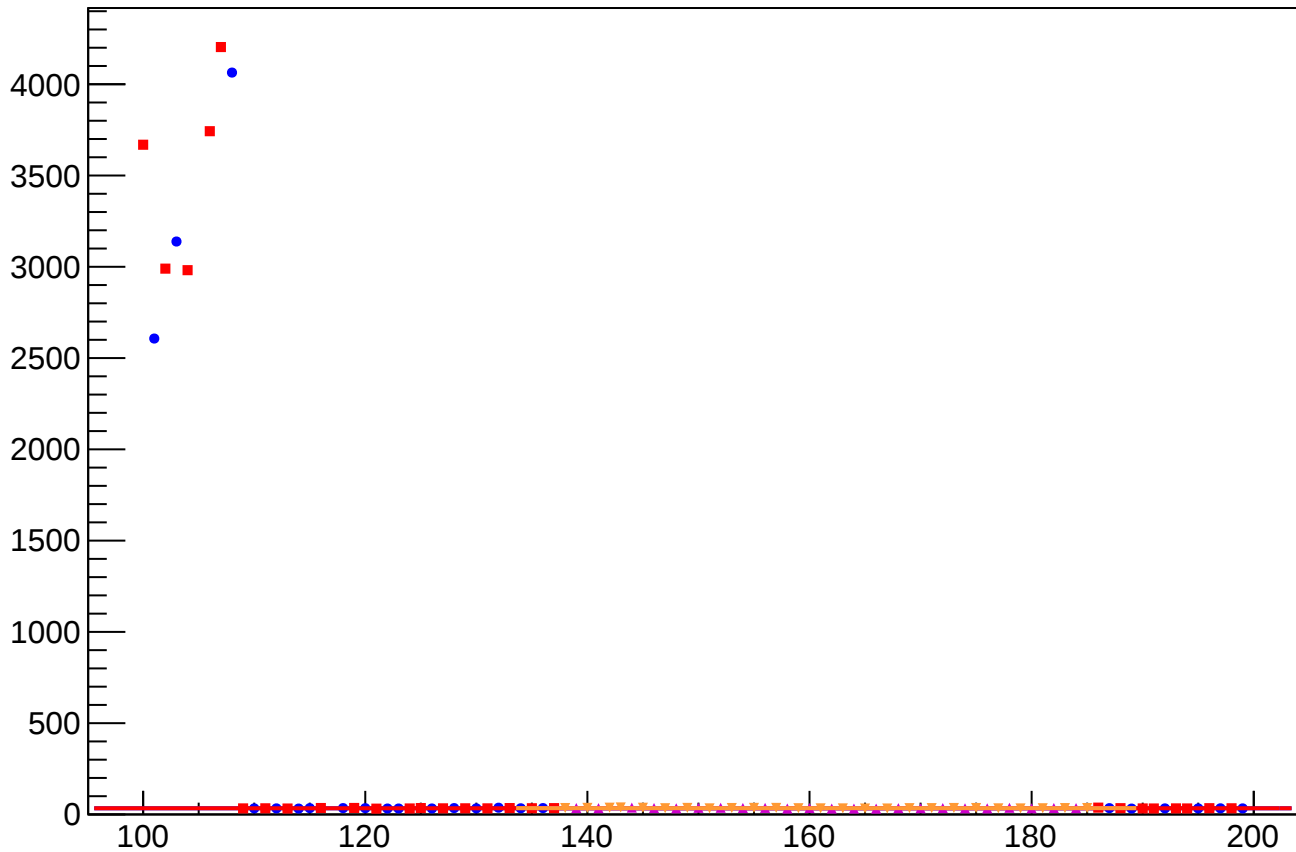
Left In: 5.924 $\pm$ 8.340 χ^2 /NDF:21.0/22

+ sign -13.469 $\pm$ 6.541 χ^2 /NDF: 51.2/47

All: -5.480 $\pm$ 4.633 χ^2 /NDF: 105.4/97

- sign 2.559 $\pm$ 6.562 χ^2 /NDF: 51.2/49

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.729 $\pm$ 0.008 χ^2 /NDF: 3011587.3/22

Left Out: 34.617 $\pm$ 0.006 χ^2 /NDF: 57868.4/24

Right Out: 33.883 $\pm$ 0.008 χ^2 /NDF: 3462368.3/26

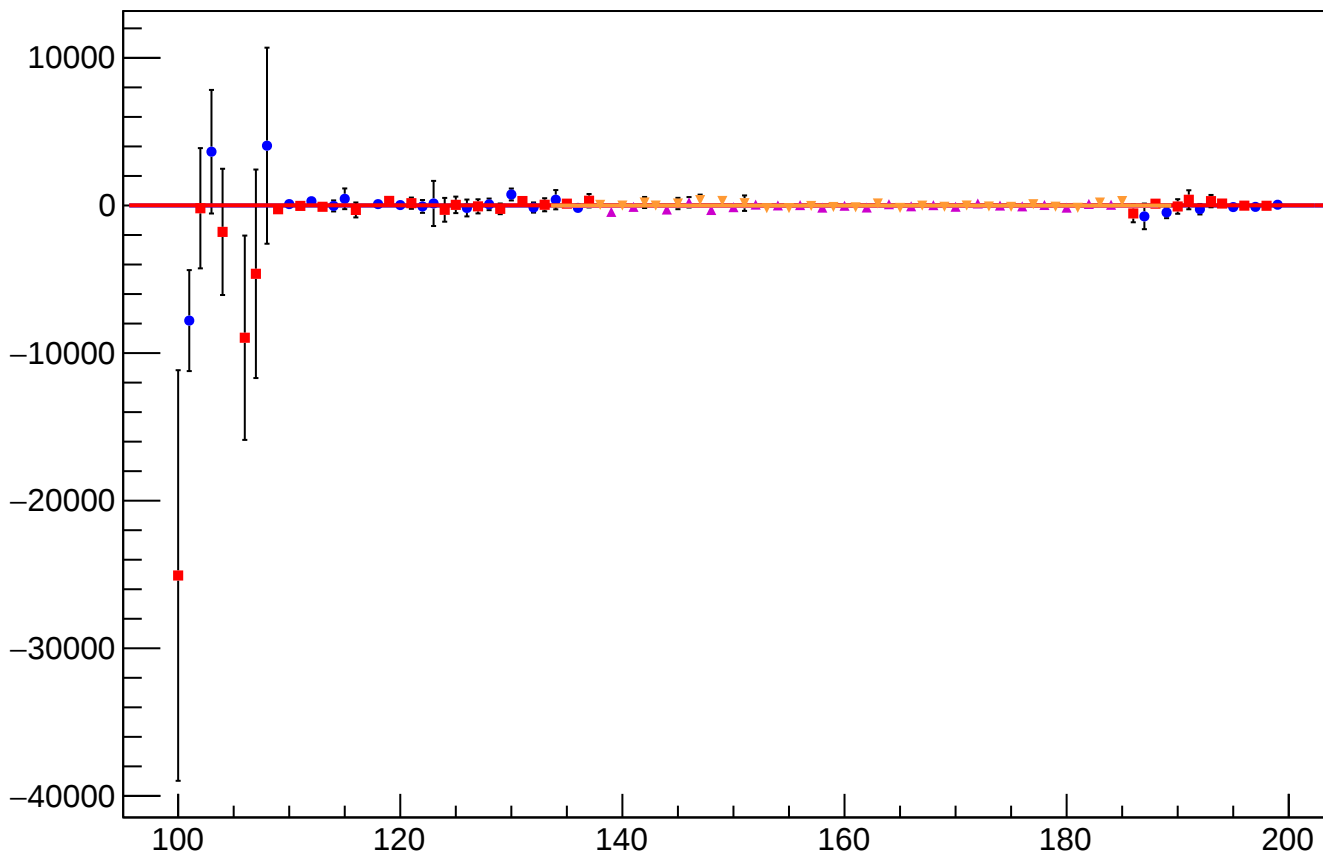
Left In: 34.682 $\pm$ 0.006 χ^2 /NDF: 59834.3/22

+ sign 34.312 $\pm$ 0.005 χ^2 /NDF: 3077775.9/47

All: 34.345 $\pm$ 0.003 χ^2 /NDF: 6607073.9/97

- sign 34.377 $\pm$ 0.005 χ^2 /NDF: 3529198.4/49

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -2.853 ± 62.296 χ^2/NDF : 17.0/22

Left Out: -7.558 ± 48.662 χ^2/NDF : 8.8/24

Right Out: 12.087 ± 60.529 χ^2/NDF : 13.3/26

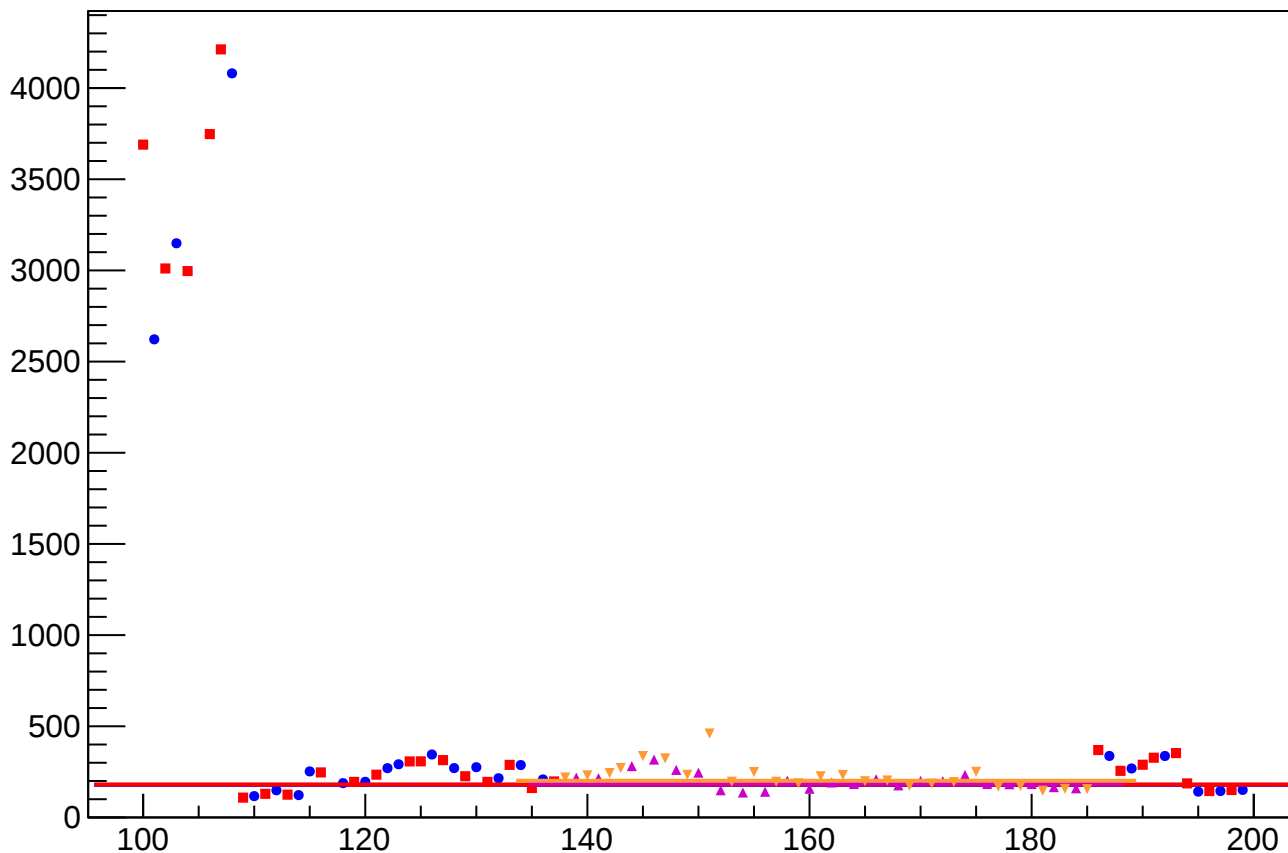
Left In: -34.977 ± 46.421 χ^2/NDF : 7.1/22

+ sign -5.775 ± 38.349 χ^2/NDF : 25.8/47

All: -11.898 ± 26.565 χ^2/NDF : 46.6/97

- sign -17.548 ± 36.835 χ^2/NDF : 20.8/49

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 178.877 $\pm$ 0.044 χ^2 /NDF: 4444794.7/22

Left Out: 201.198 $\pm$ 0.034 χ^2 /NDF:1848437.4/24

Right Out: 180.574 $\pm$ 0.043 χ^2 /NDF: 5272778.7/26

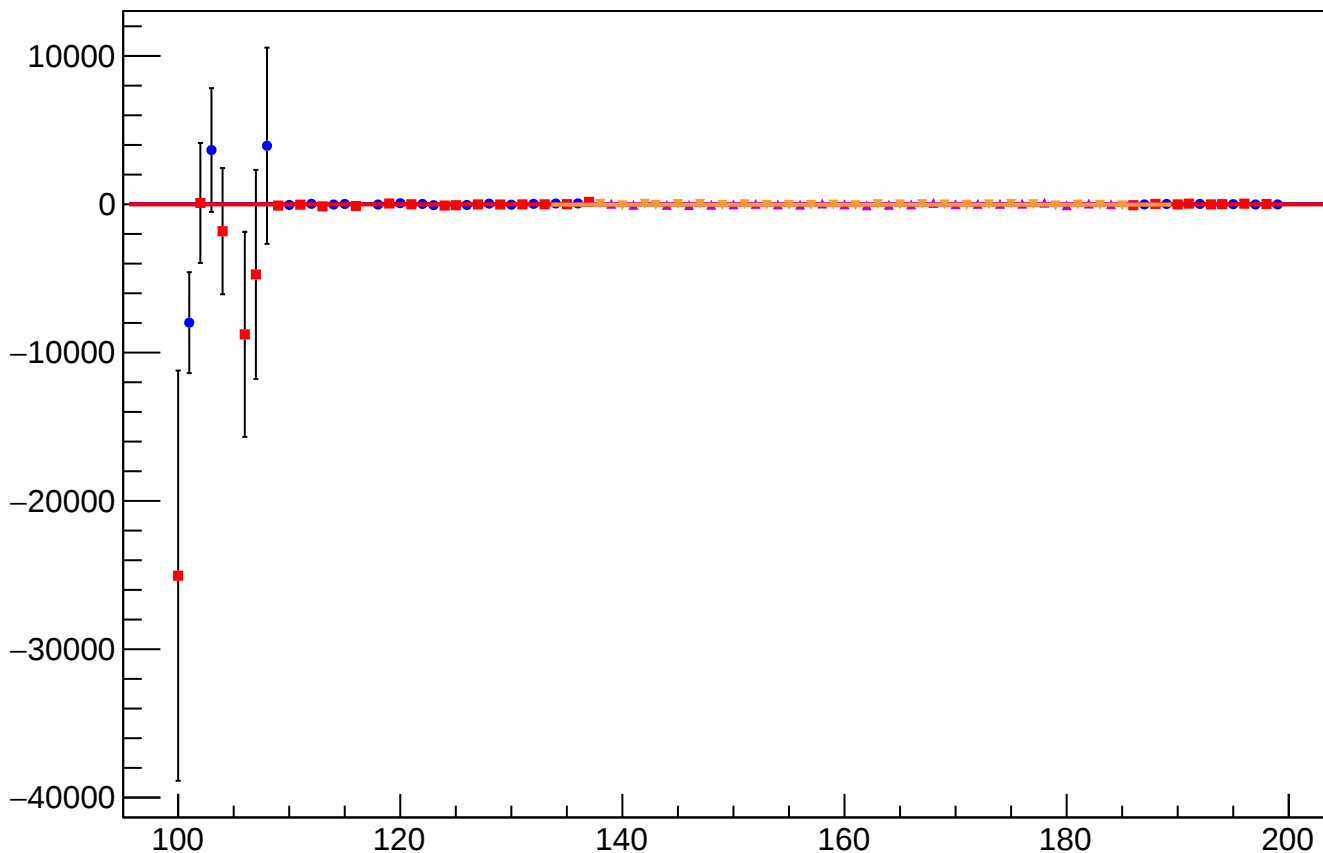
Left In: 185.627 $\pm$ 0.033 χ^2 /NDF:1371411.2/22

+ sign 192.740 $\pm$ 0.027 χ^2 /NDF: 6452696.3/47

All: 188.067 $\pm$ 0.019 χ^2 /NDF: 13162755.4/97

- sign 183.756 $\pm$ 0.026 χ^2 /NDF: 6652968.6/49

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 10.171+/-10.121 χ^2/NDF : 16.0/22

Left Out: -23.320+/-7.352 χ^2/NDF :18.3/24

Right Out: -5.620+/-9.652 χ^2/NDF : 33.8/26

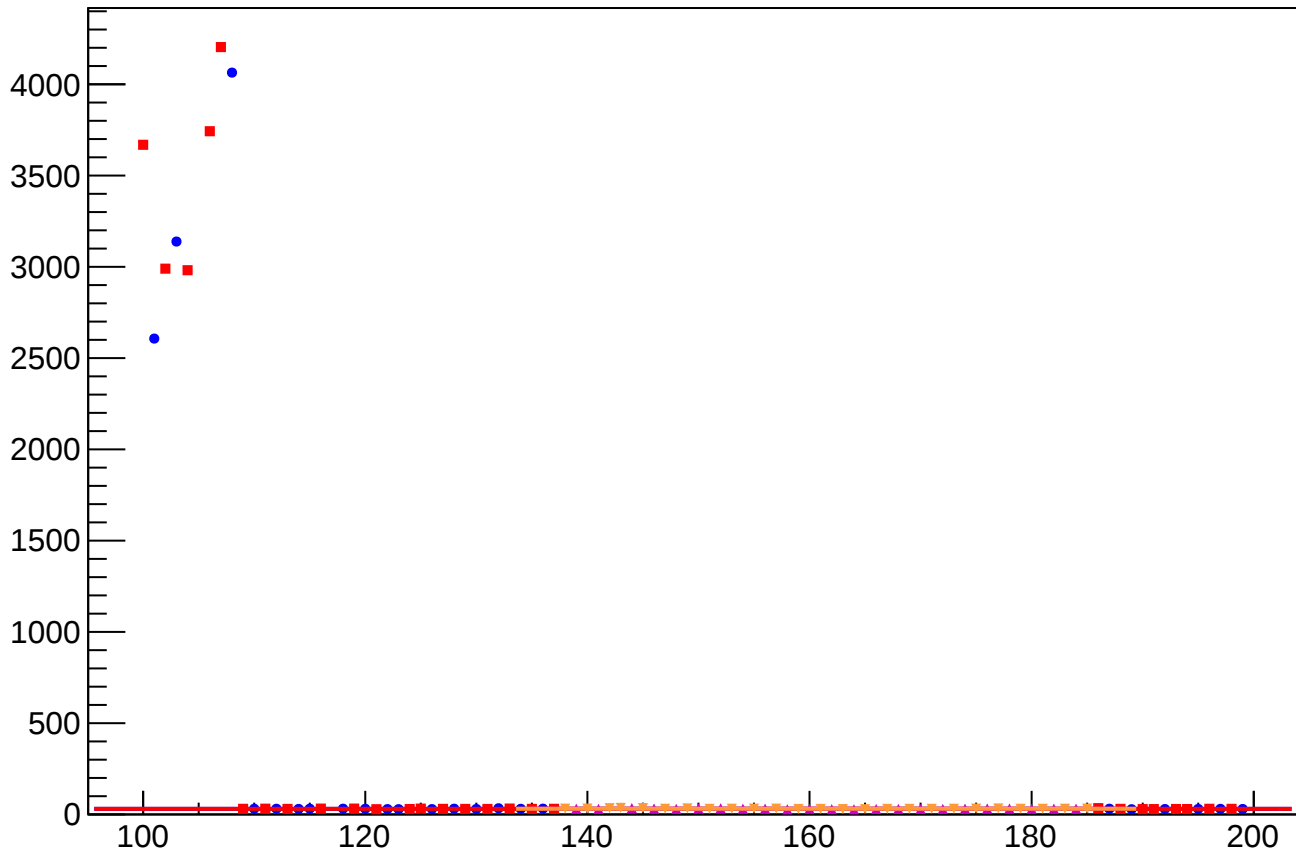
Left In: 6.386+/-7.577 χ^2/NDF :38.7/22

+ sign -11.752+/-5.948 χ^2/NDF : 41.5/47

All: -4.985+/-4.210 χ^2/NDF : 117.6/97

- sign 1.808+/-5.960 χ^2/NDF : 73.5/49

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.598 $\pm$ 0.007 χ^2 /NDF: 3025311.7/22

Left Out: 31.488 $\pm$ 0.005 χ^2 /NDF: 81938.2/24

Right Out: 30.731 $\pm$ 0.007 χ^2 /NDF: 3475793.8/26

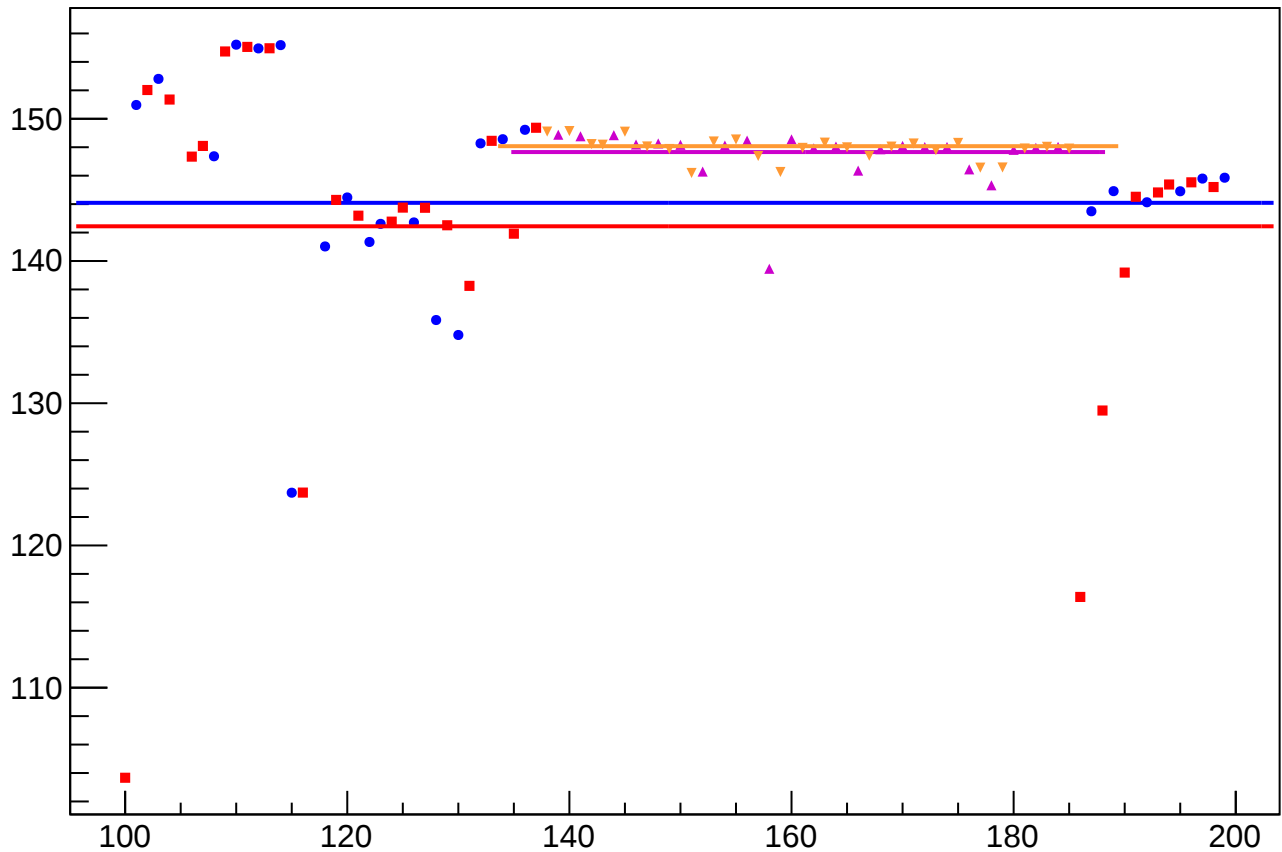
Left In: 31.475 $\pm$ 0.005 χ^2 /NDF: 87797.5/22

+ sign 31.181 $\pm$ 0.004 χ^2 /NDF: 3117390.1/47

All: 31.186 $\pm$ 0.003 χ^2 /NDF: 6688340.1/97

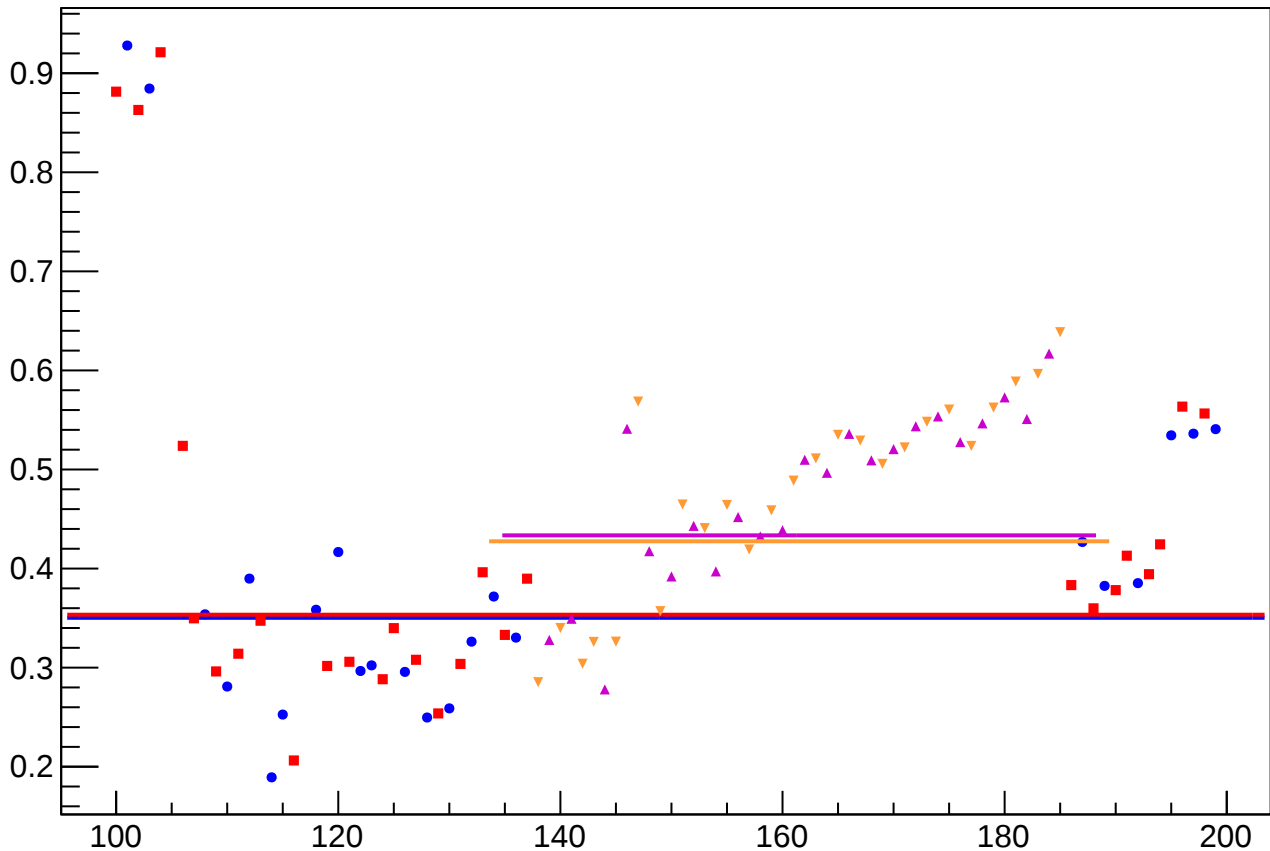
- sign 31.192 $\pm$ 0.004 χ^2 /NDF: 3570946.7/49

yield_bcm_an_ds_mean vs Slug



Right In: 144.090 $\pm$ 0.000	χ^2 /NDF: 3470331888.0/22	+ sign 146.321 $\pm$ 0.000	χ^2 /NDF: 4182719949.8/47
Left Out: 148.074 $\pm$ 0.000	χ^2 /NDF: 65673678.9/24	All: 145.699 $\pm$ 0.000	χ^2 /NDF: 13156096494.
Right Out: 142.441 $\pm$ 0.000	χ^2 /NDF: 7351330614.0/26	- sign 145.091 $\pm$ 0.000	χ^2 /NDF: 8846882644.3/49
Left In: 147.660 $\pm$ 0.000	χ^2 /NDF: 343892338.9/22		

yield_bcm_an_ds_rms vs Slug



Right In: 0.350 $\pm$ 0.000 χ^2 /NDF: 1964601.2/22

Left Out: 0.428 $\pm$ 0.000 χ^2 /NDF:1892802.8/24

Right Out: 0.353 $\pm$ 0.000 χ^2 /NDF: 1822879.5/26

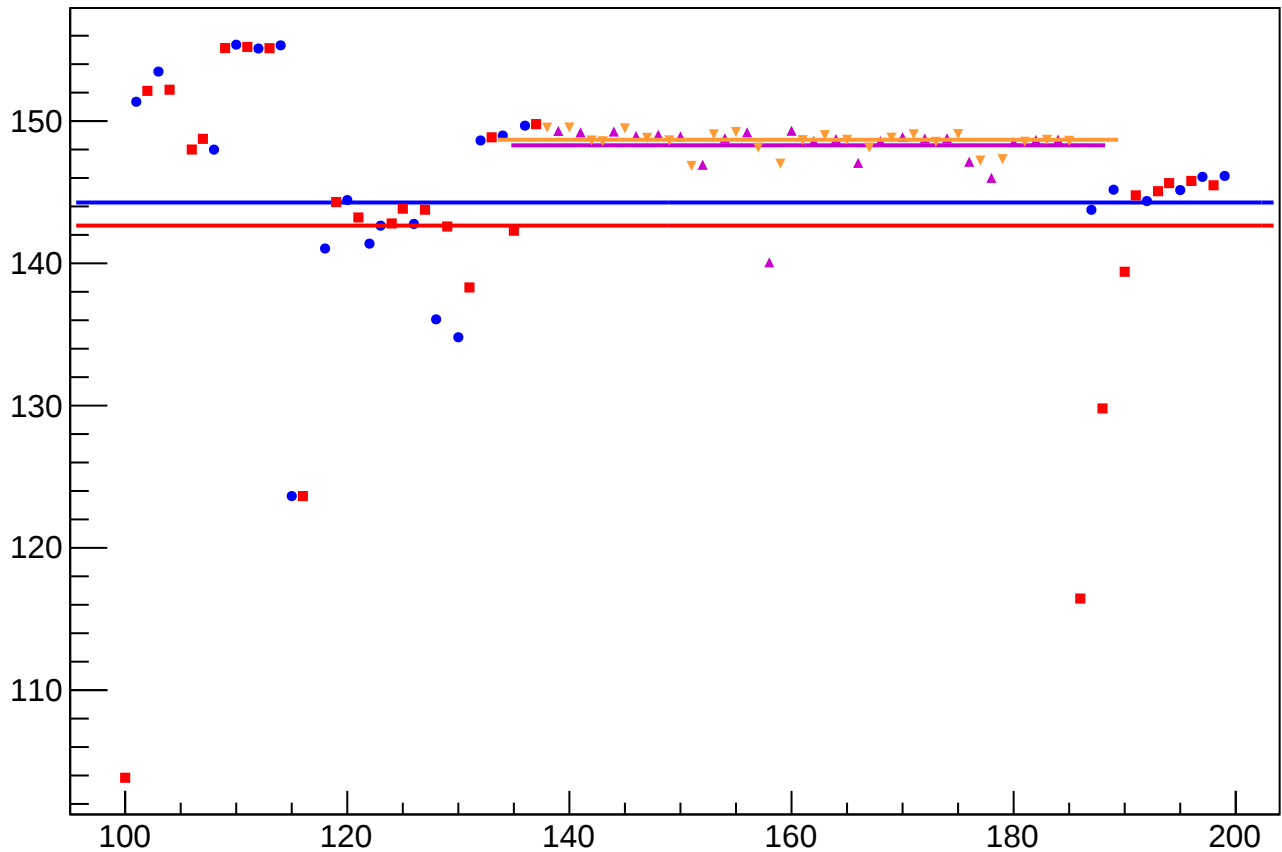
Left In: 0.434 $\pm$ 0.000 χ^2 /NDF:1479367.0/22

+ sign 0.394 $\pm$ 0.000 χ^2 /NDF: 4343165.4/47

All: 0.394 $\pm$ 0.000 χ^2 /NDF: 8187840.5/97

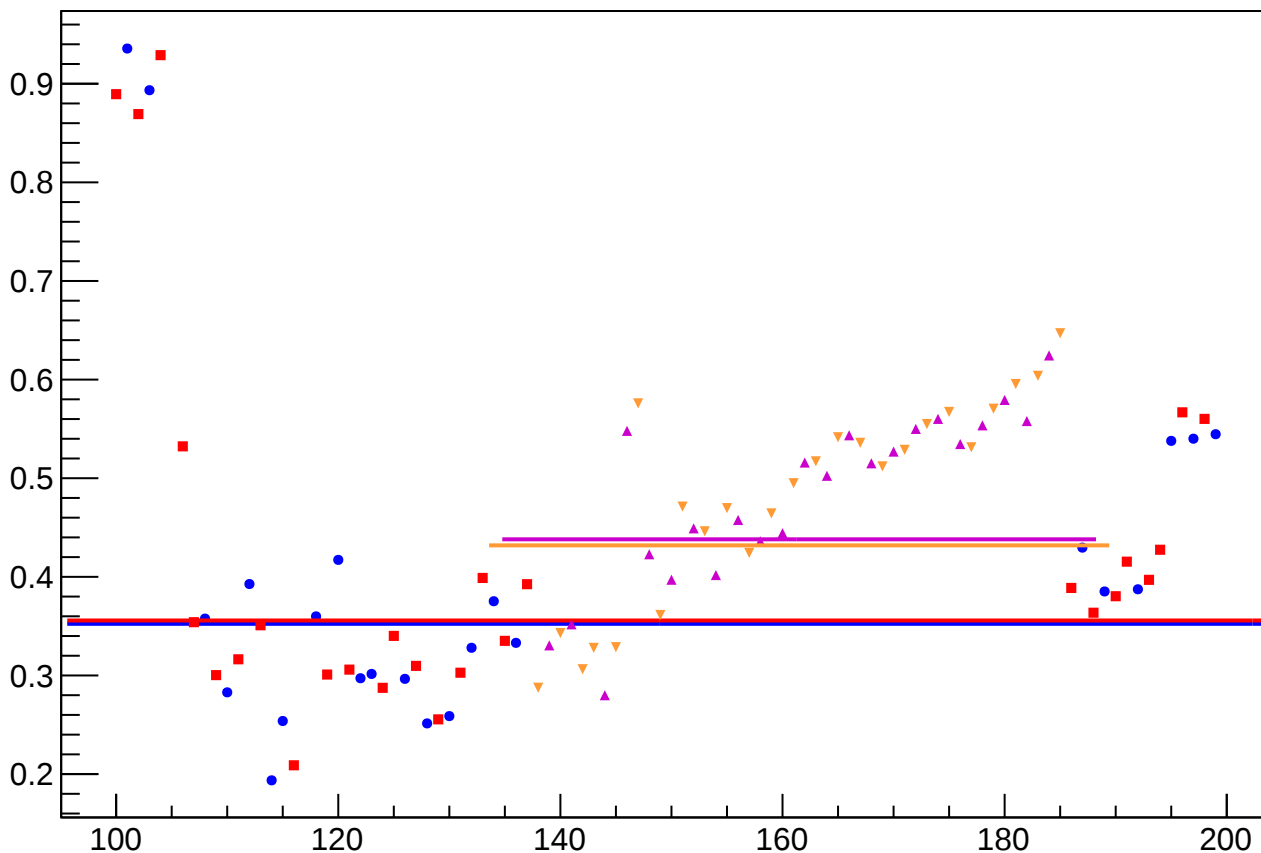
- sign 0.394 $\pm$ 0.000 χ^2 /NDF: 3844628.0/49

yield_bcm_an_ds3_mean vs Slug



Right In: 144.276+/-0.000	χ^2/NDF : 3516989442.6/22	+ sign 146.735+/-0.000	χ^2/NDF : 4349540703.6/47
Left Out: 148.687+/-0.000	χ^2/NDF : 52285197.5/24	All: 146.115+/-0.000	χ^2/NDF : 13426945624.
Right Out: 142.653+/-0.000	χ^2/NDF : 7297489534.7/26	- sign 145.507+/-0.000	χ^2/NDF : 8953466081.9/49
Left In: 148.298+/-0.000	χ^2/NDF : 332527463.6/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.352 $\pm$ 0.000 χ^2 /NDF: 1968695.7/22

Left Out: 0.432 $\pm$ 0.000 χ^2 /NDF:1924979.0/24

Right Out: 0.356 $\pm$ 0.000 χ^2 /NDF: 1827588.4/26

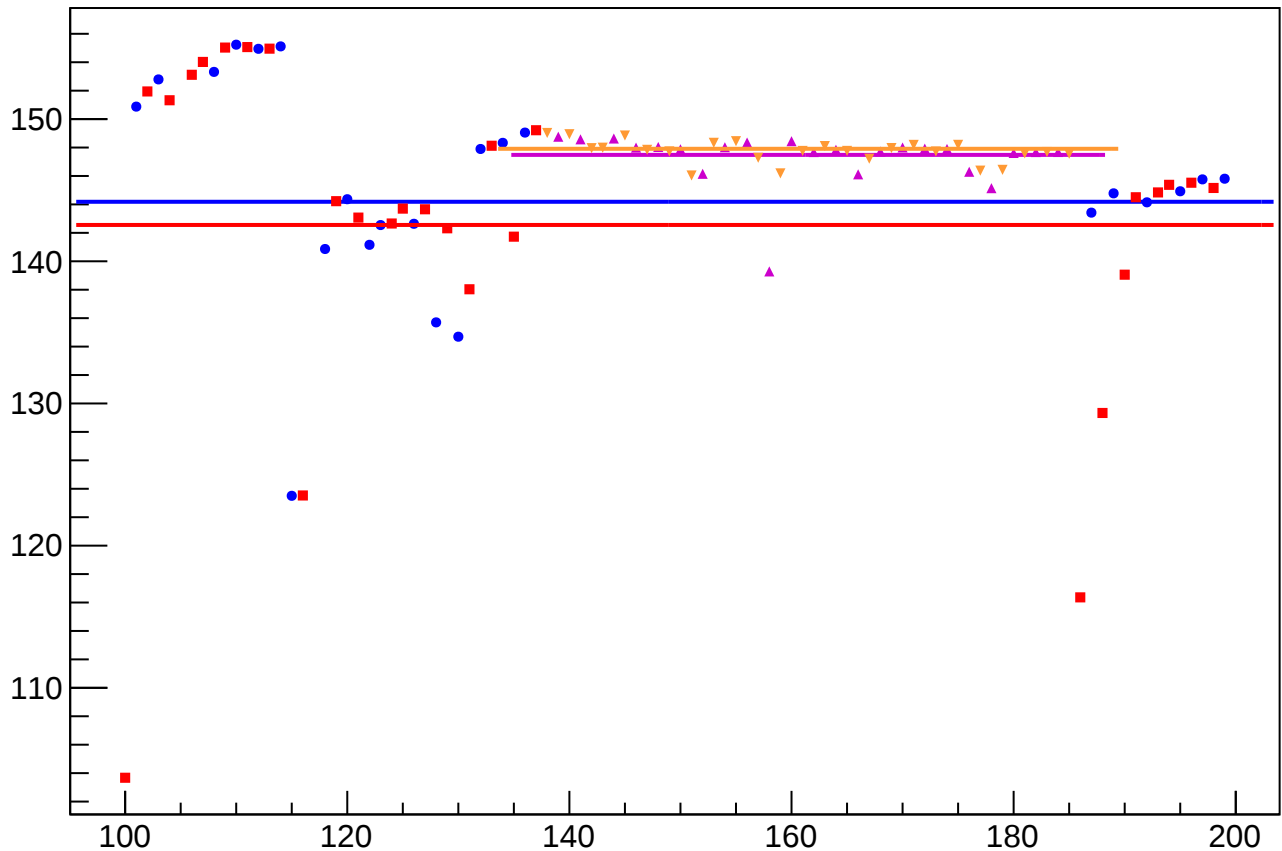
Left In: 0.438 $\pm$ 0.000 χ^2 /NDF:1504635.6/22

+ sign 0.397 $\pm$ 0.000 χ^2 /NDF: 4401132.9/47

All: 0.397 $\pm$ 0.000 χ^2 /NDF: 8296169.1/97

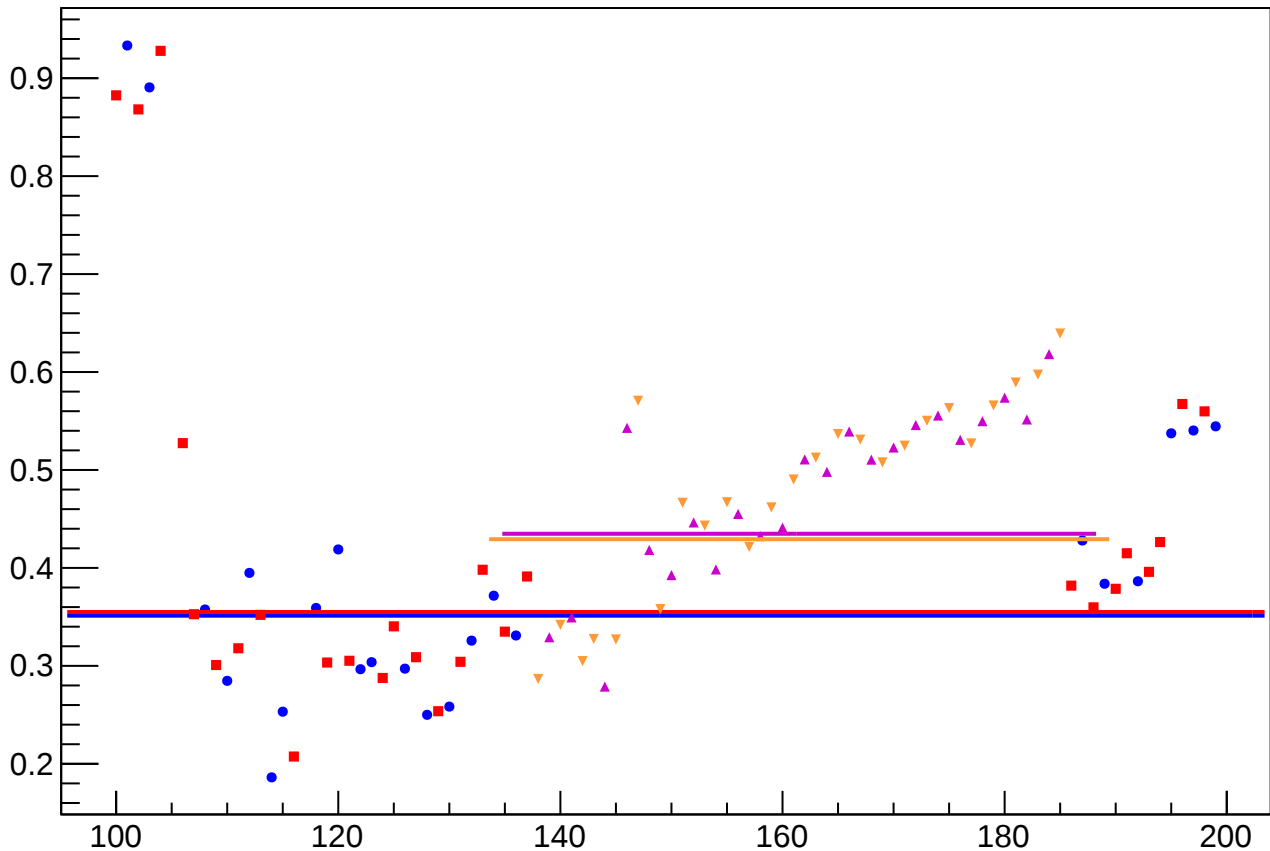
- sign 0.397 $\pm$ 0.000 χ^2 /NDF: 3894967.9/49

yield_bcm_an_us_mean vs Slug



Right In: 144.186+/-0.000	χ^2/NDF : 3679212472.7/22	+ sign 146.270+/-0.000	χ^2/NDF : 4305503995.1/47
Left Out: 147.912+/-0.000	χ^2/NDF : 64463426.1/24	All: 145.659+/-0.000	χ^2/NDF : 13524158491.1
Right Out: 142.555+/-0.000	χ^2/NDF : 7735741415.7/26	- sign 145.060+/-0.000	χ^2/NDF : 9097137482.3/49
Left In: 147.483+/-0.000	χ^2/NDF : 342674720.4/22		

yield_bcm_an_us_rms vs Slug



Right In: 0.351 ± 0.000 χ^2/NDF : 1988845.0/22

Left Out: 0.429 ± 0.000 χ^2/NDF : 1891709.3/24

Right Out: 0.355 ± 0.000 χ^2/NDF : 1827162.9/26

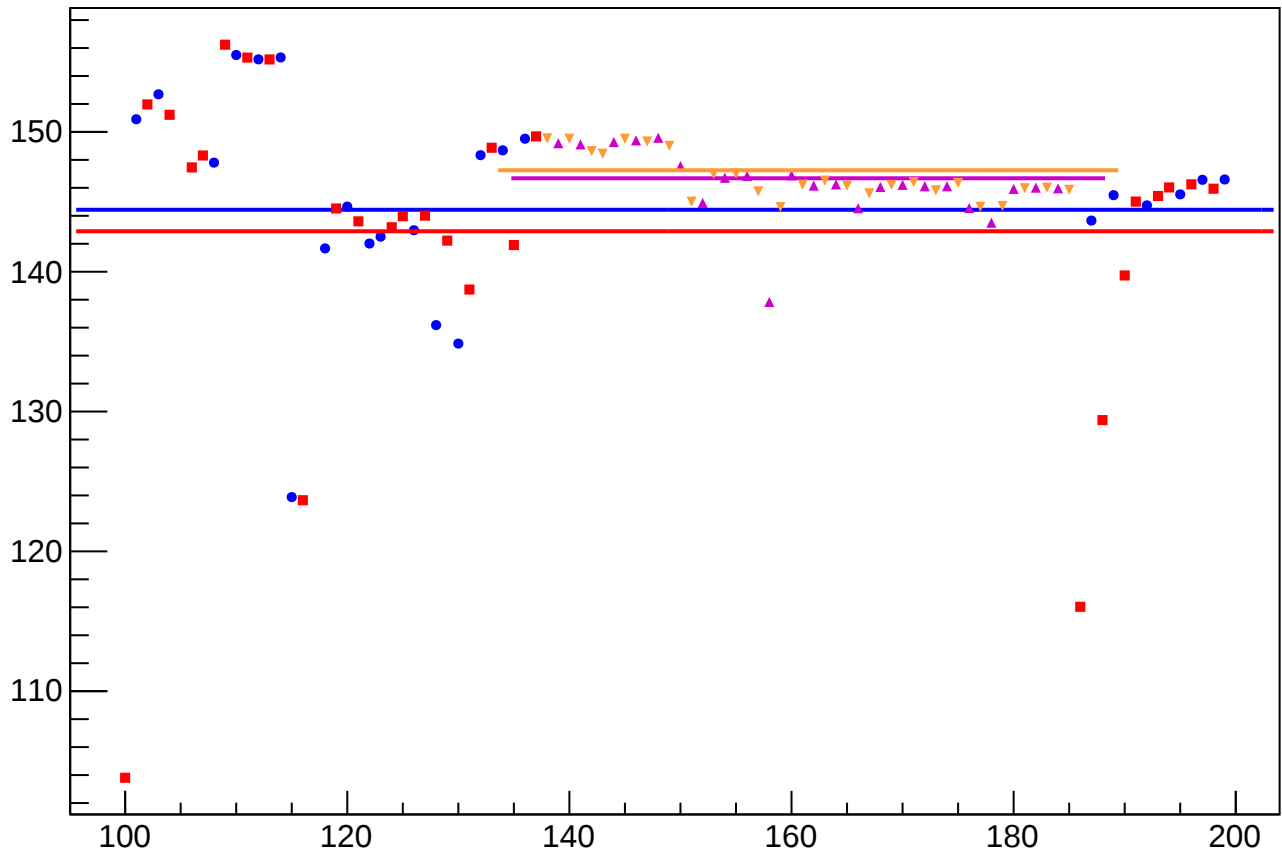
Left In: 0.435 ± 0.000 χ^2/NDF : 1485915.1/22

+ sign 0.395 ± 0.000 χ^2/NDF : 4373690.8/47

All: 0.395 ± 0.000 χ^2/NDF : 8222107.6/97

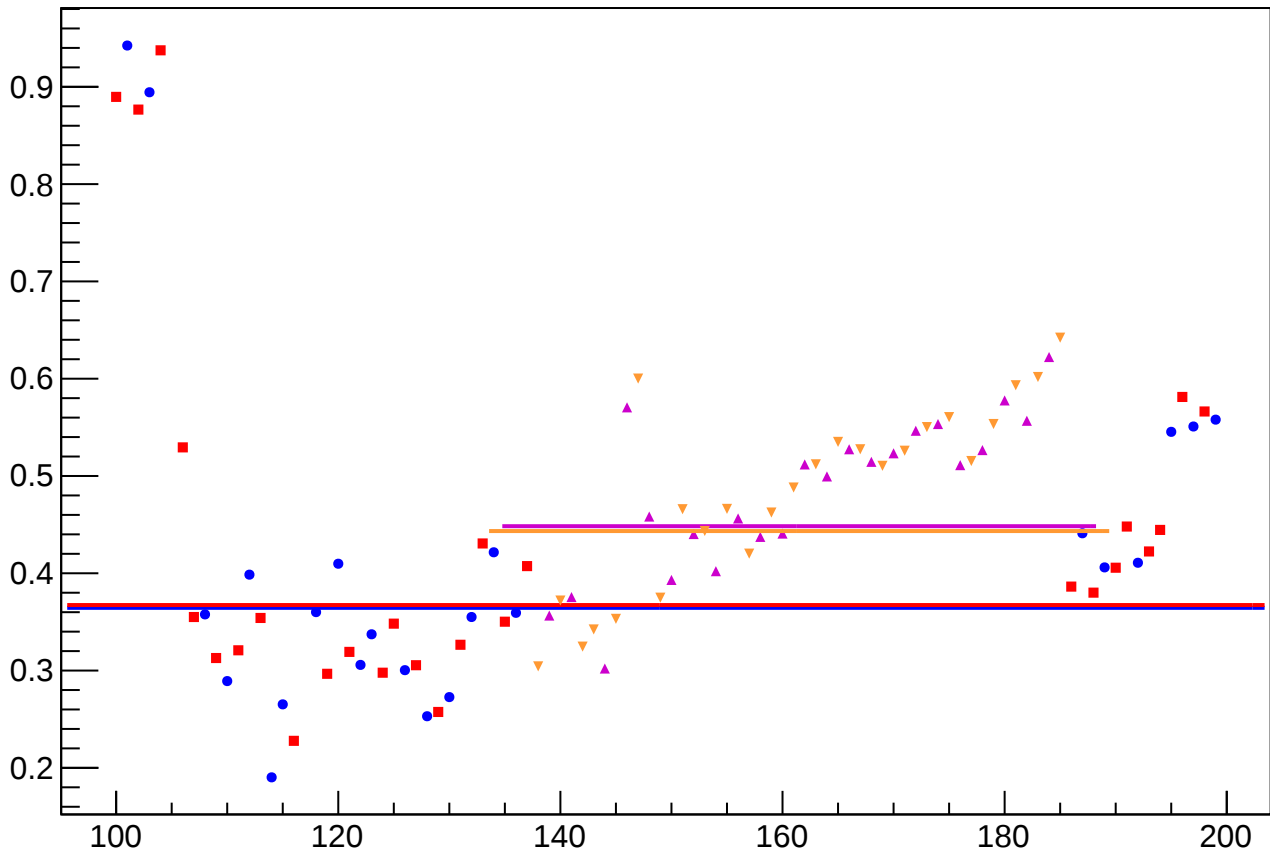
- sign 0.396 ± 0.000 χ^2/NDF : 3848338.0/49

yield_bcm_dg_us_mean vs Slug



Right In: 144.432 $\pm$ 0.000	χ^2 /NDF: 3194235549.0/22	+ sign 146.027 $\pm$ 0.000	χ^2 /NDF: 3758216948.9/47
Left Out: 147.257 $\pm$ 0.000	χ^2 /NDF: 261906278.3/24	All: 145.426 $\pm$ 0.000	χ^2 /NDF: 12046870451.0/49
Right Out: 142.895 $\pm$ 0.000	χ^2 /NDF: 7057247684.9/26	- sign 144.840 $\pm$ 0.000	χ^2 /NDF: 8178845307.3/49
Left In: 146.685 $\pm$ 0.000	χ^2 /NDF: 554922388.0/22		

yield_bcm_dg_us_rms vs Slug



Right In: 0.364 $\pm$ 0.000 χ^2 /NDF: 1949500.8/22

Left Out: 0.443 $\pm$ 0.000 χ^2 /NDF:1480479.3/24

Right Out: 0.367 $\pm$ 0.000 χ^2 /NDF: 1794502.1/26

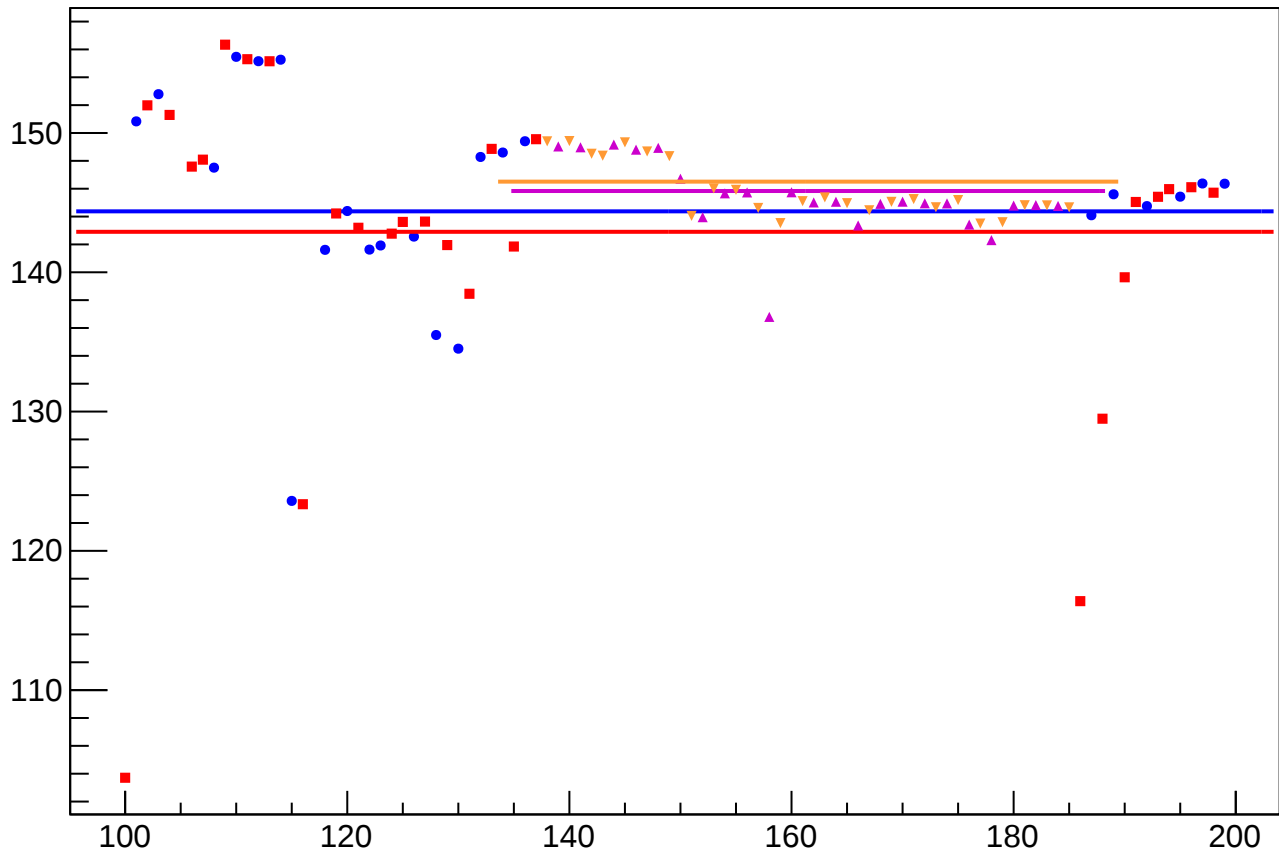
Left In: 0.448 $\pm$ 0.000 χ^2 /NDF:1120261.8/22

+ sign 0.409 $\pm$ 0.000 χ^2 /NDF: 3901236.8/47

All: 0.409 $\pm$ 0.000 χ^2 /NDF: 7334334.5/97

- sign 0.409 $\pm$ 0.000 χ^2 /NDF: 3433096.5/49

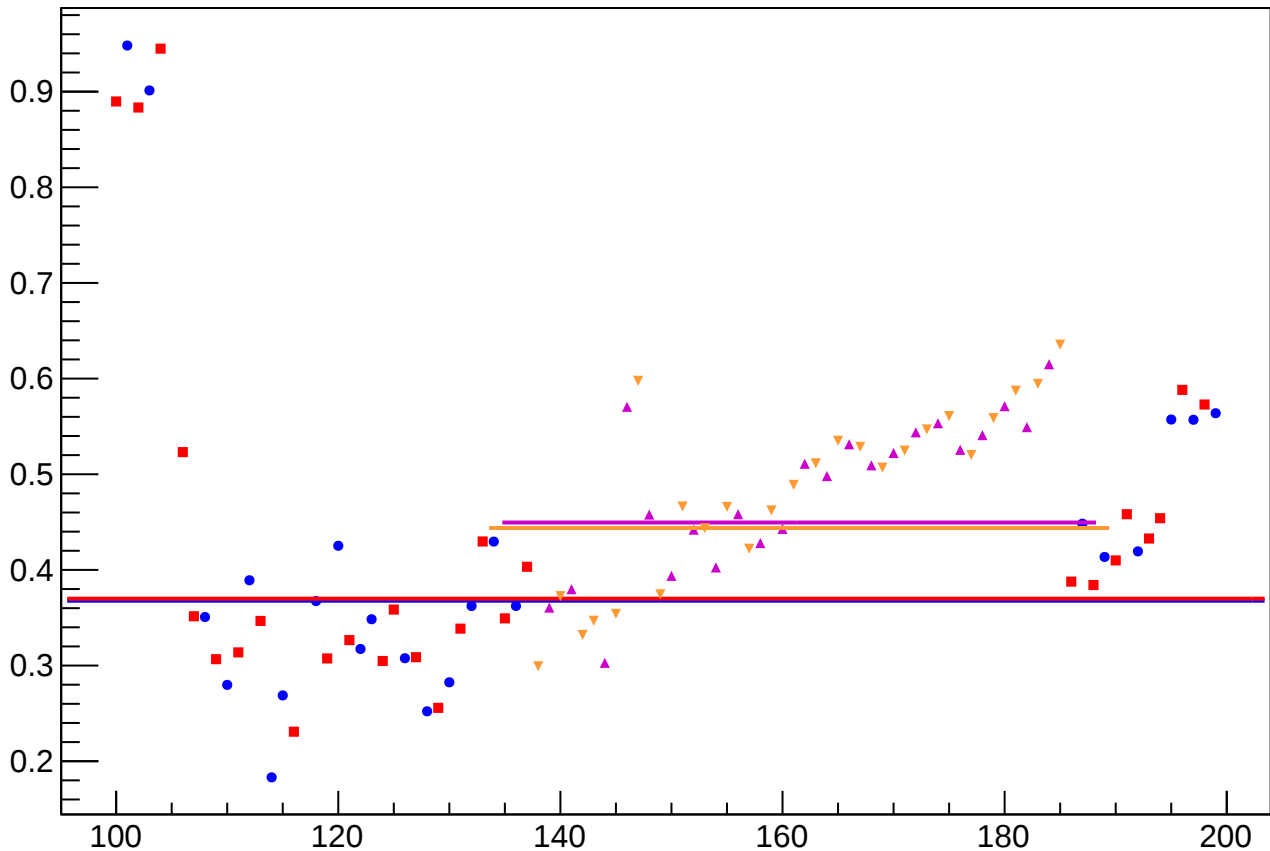
yield_bcm_dg_ds_mean vs Slug



Right In: 144.375 ± 0.000 χ^2/NDF : 3310128760.1/22
 Left Out: 146.508 ± 0.000 χ^2/NDF : 401248837.9/24
 Right Out: 142.906 ± 0.000 χ^2/NDF : 7025129032.4/26
 Left In: 145.834 ± 0.000 χ^2/NDF : 690172810.0/22

+ sign 145.590 ± 0.000 χ^2/NDF : 3881290951.3/47
 All: 144.997 ± 0.000 χ^2/NDF : 12036870740.
 - sign 144.418 ± 0.000 χ^2/NDF : 8049719663.7/49

yield_bcm_dg_ds_rms vs Slug



Right In: 0.368 $\pm$ 0.000 χ^2/NDF : 1988507.4/22

Left Out: 0.444 $\pm$ 0.000 χ^2/NDF : 1460383.7/24

Right Out: 0.370 $\pm$ 0.000 χ^2/NDF : 1811600.7/26

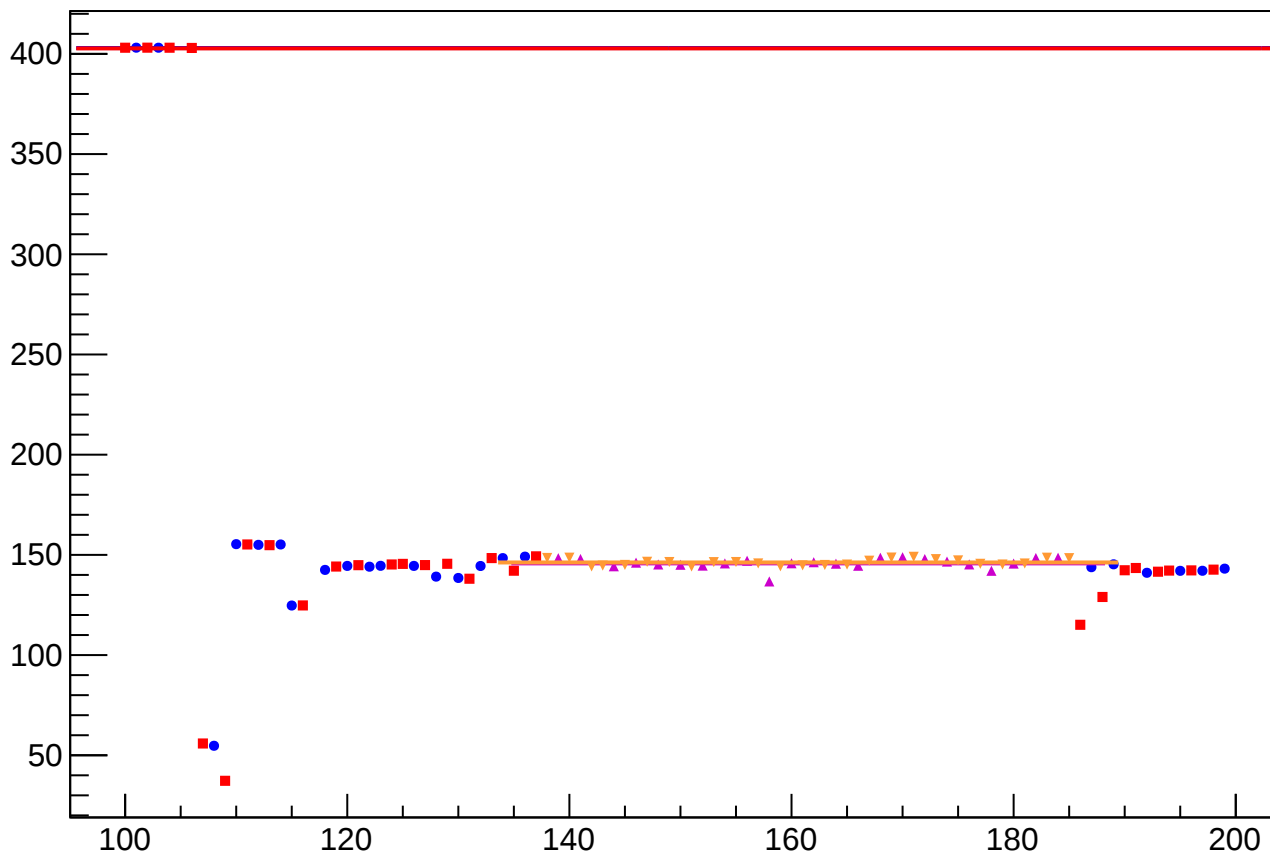
Left In: 0.450 $\pm$ 0.000 χ^2/NDF : 1092776.5/22

+ sign 0.411 $\pm$ 0.000 χ^2/NDF : 3880049.3/47

All: 0.411 $\pm$ 0.000 χ^2/NDF : 7278695.6/97

- sign 0.411 $\pm$ 0.000 χ^2/NDF : 3398645.8/49

yield_cav4bQ_mean vs Slug



Right In: 402.920+/-0.000 χ^2/NDF : 1401220368472.4/22

Left Out: 146.216+/-0.000 χ^2/NDF : 86042286.3/24

Right Out: 402.740+/-0.000 χ^2/NDF : 3648541800756.2/26

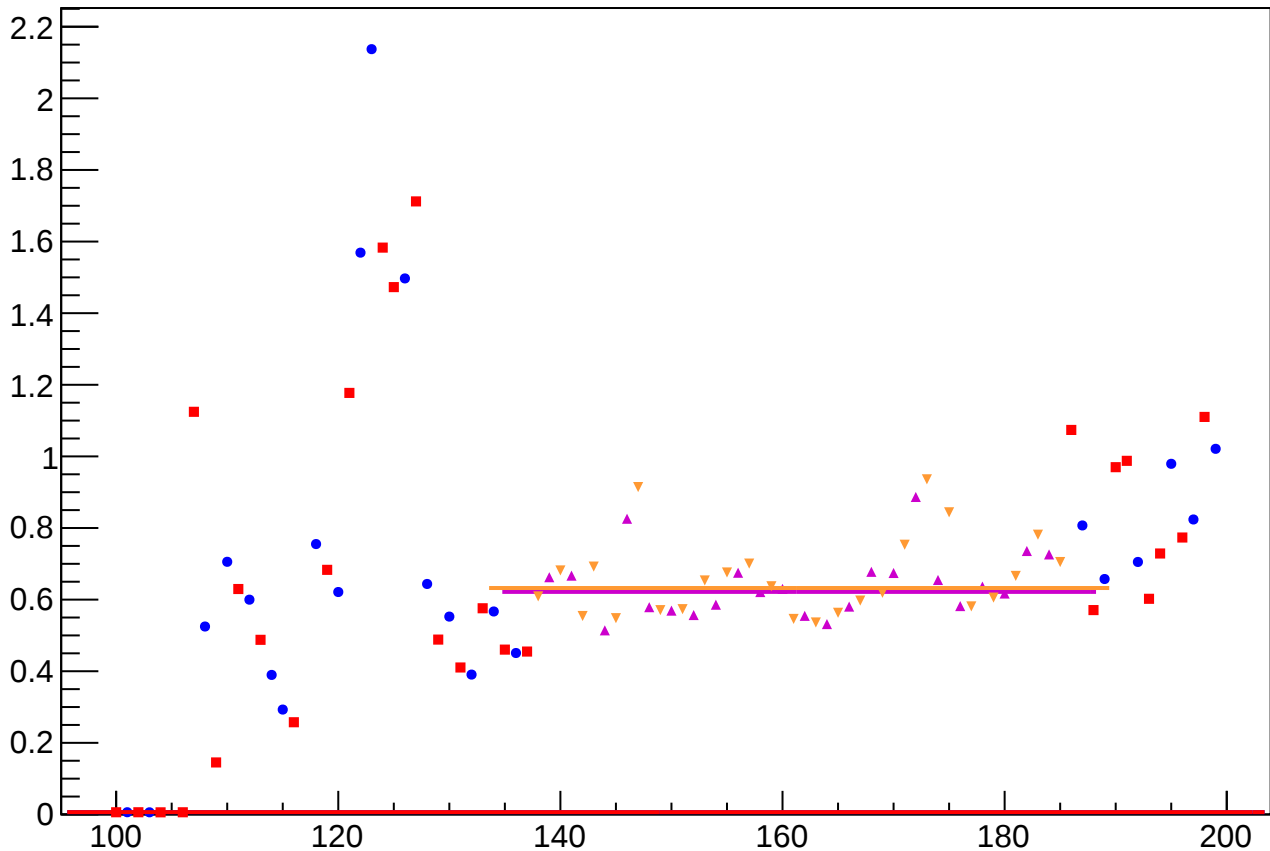
Left In: 145.755+/-0.000 χ^2/NDF : 206171532.0/22

+ sign 402.625+/-0.000 χ^2/NDF : 3761824378016.9

All: 402.550+/-0.000 χ^2/NDF : 973934337200

- sign 402.484+/-0.000 χ^2/NDF : 5977189811902.8

yield_cav4bQ_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 15074190.8/22

Left Out: 0.632 $\pm$ 0.000 χ^2 /NDF:613604.5/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 17298144.2/26

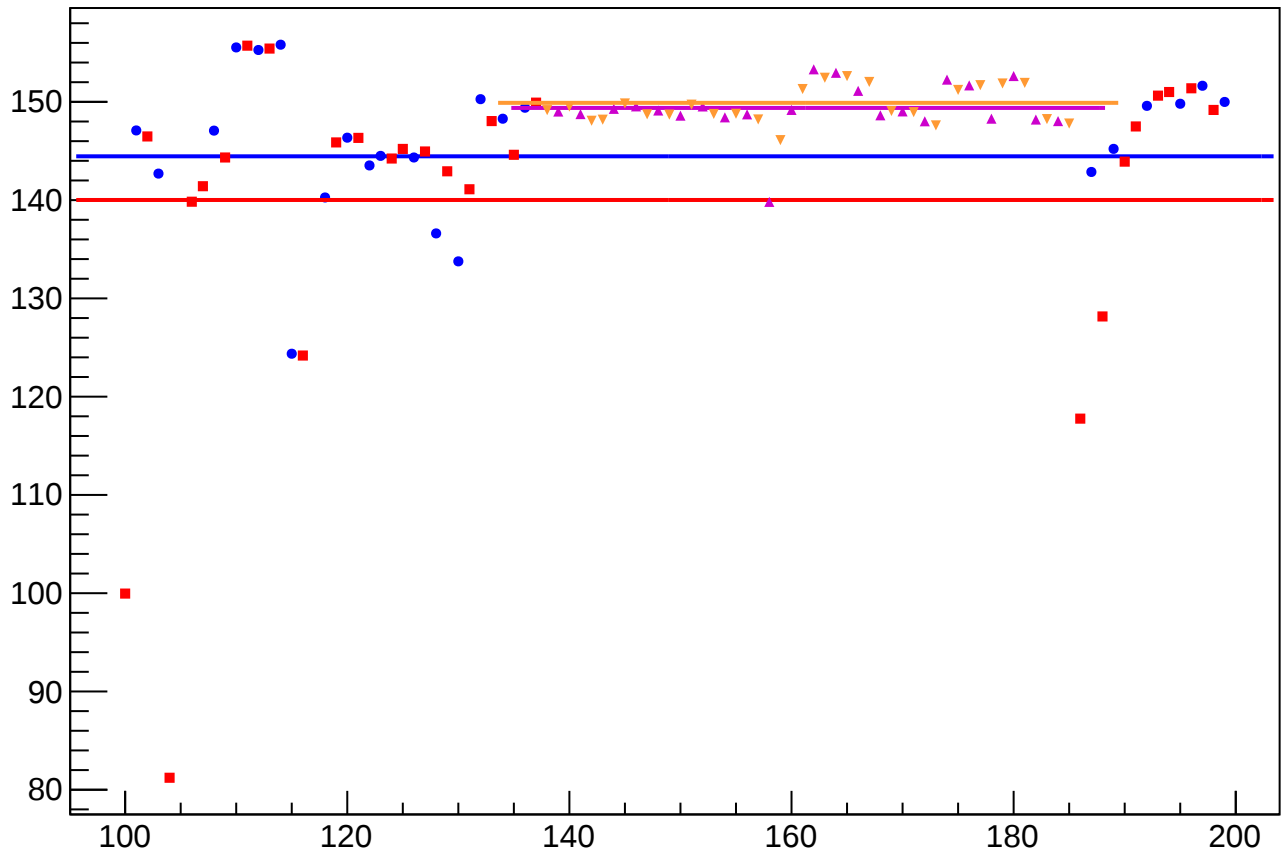
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:399965.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 43758786.7/47

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 88138049.5/97

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 44379064.4/49

yield_cav4cQ_mean vs Slug



Right In: 144.458 $\pm$ 0.000 χ^2 /NDF: 1219985519.0/22

Left Out: 149.900 $\pm$ 0.000 χ^2 /NDF: 162845622.6/24

Right Out: 140.015 $\pm$ 0.000 χ^2 /NDF: 2985105628.7/26

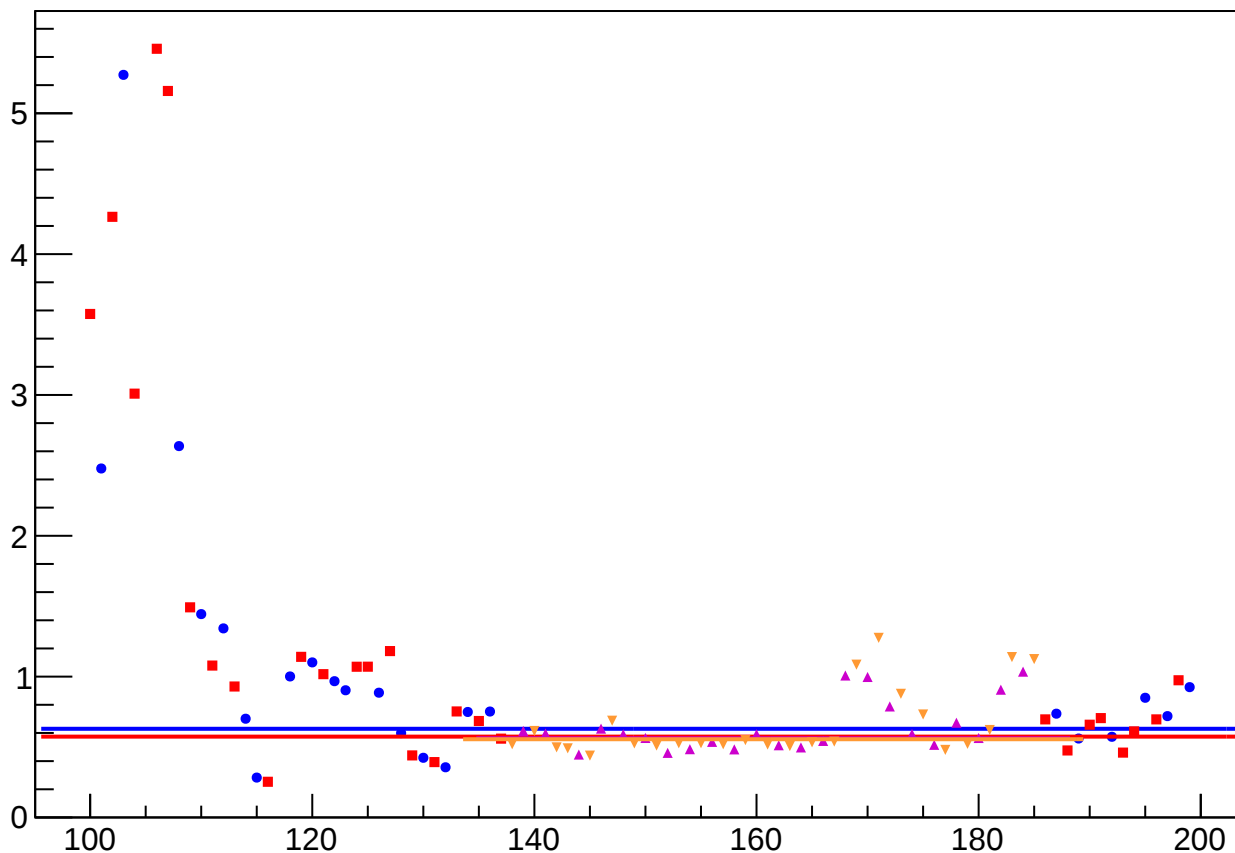
Left In: 149.382 $\pm$ 0.000 χ^2 /NDF: 434657827.5/22

+ sign 148.568 $\pm$ 0.000 χ^2 /NDF: 1750752753.0/47

All: 147.455 $\pm$ 0.000 χ^2 /NDF: 6663253451.4

- sign 146.380 $\pm$ 0.000 χ^2 /NDF: 4748983015.3/49

yield_cav4cQ_rms vs Slug



Right In: 0.630 ± 0.000 χ^2/NDF : 3840849.8/22

Left Out: 0.555 ± 0.000 χ^2/NDF : 1773688.1/24

Right Out: 0.574 ± 0.000 χ^2/NDF : 5112745.7/26

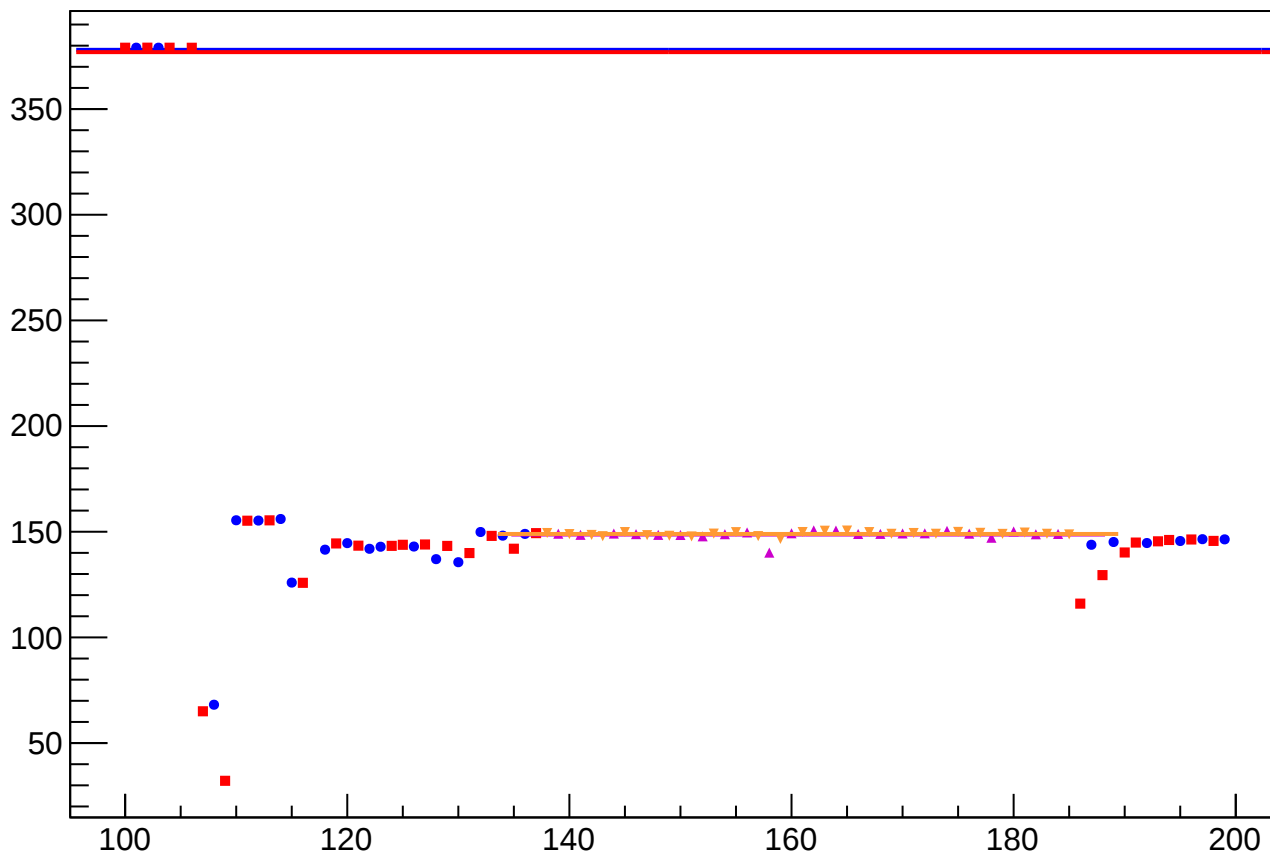
Left In: 0.562 ± 0.000 χ^2/NDF : 1305573.4/22

+ sign 0.574 ± 0.000 χ^2/NDF : 5751200.6/47

All: 0.570 ± 0.000 χ^2/NDF : 12178370.6/97

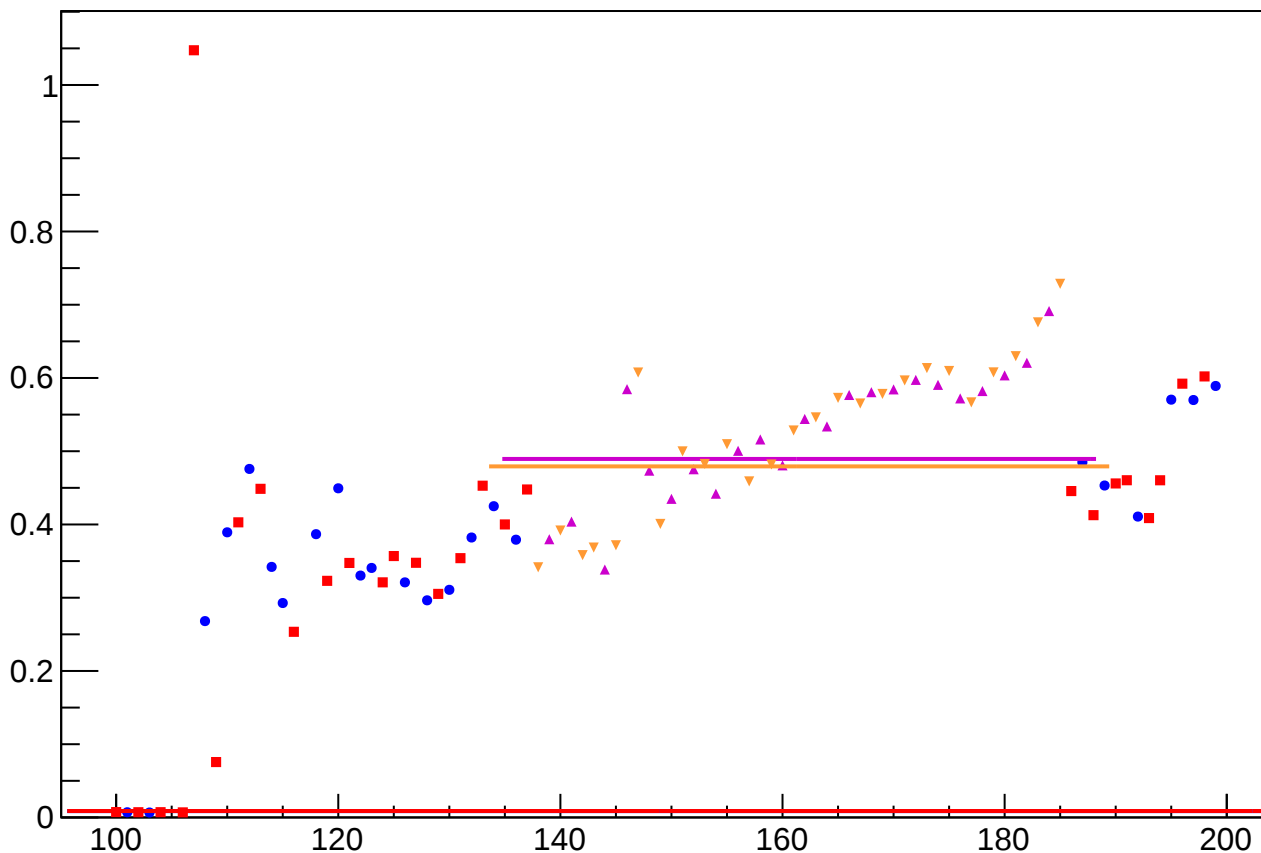
- sign 0.566 ± 0.000 χ^2/NDF : 6422832.4/49

yield_cav4dQ_mean vs Slug



Right In: 378.031+/-0.000	χ^2/NDF : 3289618484666.7/22	+ sign 376.754+/-0.000	χ^2/NDF : 7188255360951.6
Left Out: 148.944+/-0.000	χ^2/NDF : 63976941.3/24	All: 376.312+/-0.000	χ^2/NDF : 202625441584
Right Out: 376.946+/-0.000	χ^2/NDF : 9521016592574.0/26	- sign 375.924+/-0.000	χ^2/NDF : 13069373347894.9
Left In: 148.672+/-0.000	χ^2/NDF : 252846428.3/22		

yield_cav4dQ_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 17007305.5/22

Left Out: 0.479+/-0.000 χ^2/NDF :1516566.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 18834408.9/26

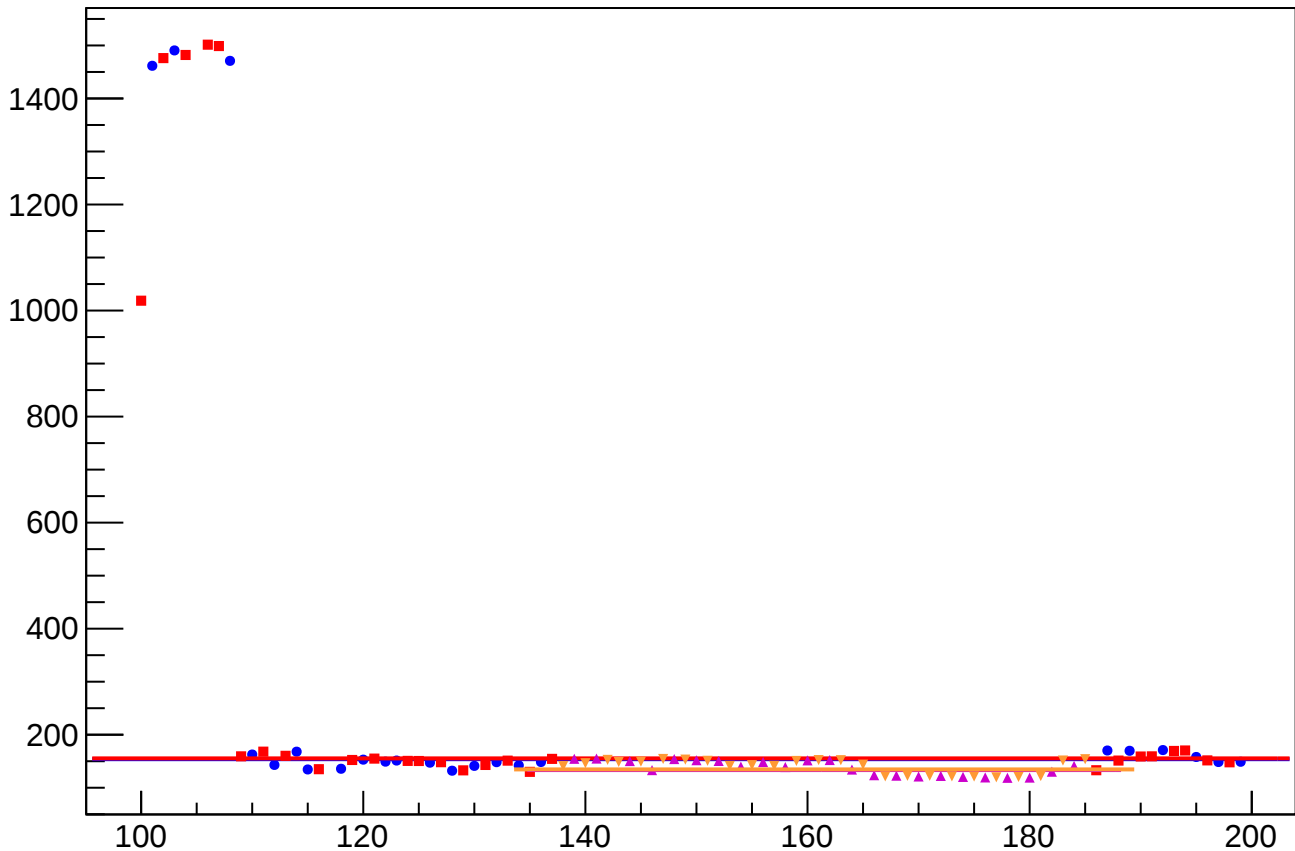
Left In: 0.489+/-0.000 χ^2/NDF :1076134.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 51433681.1/47

All: 0.011+/-0.000 χ^2/NDF : 102808451.3/97

- sign 0.011+/-0.000 χ^2/NDF : 51373249.5/49

yield_bcm0l02_mean vs Slug



Right In: 153.860+/-0.000 χ^2/NDF : 25503737485.4/22

Left Out: 134.554+/-0.000 χ^2/NDF : 4376966869.3/24

Right Out: 155.350+/-0.000 χ^2/NDF : 34742469932.2/26

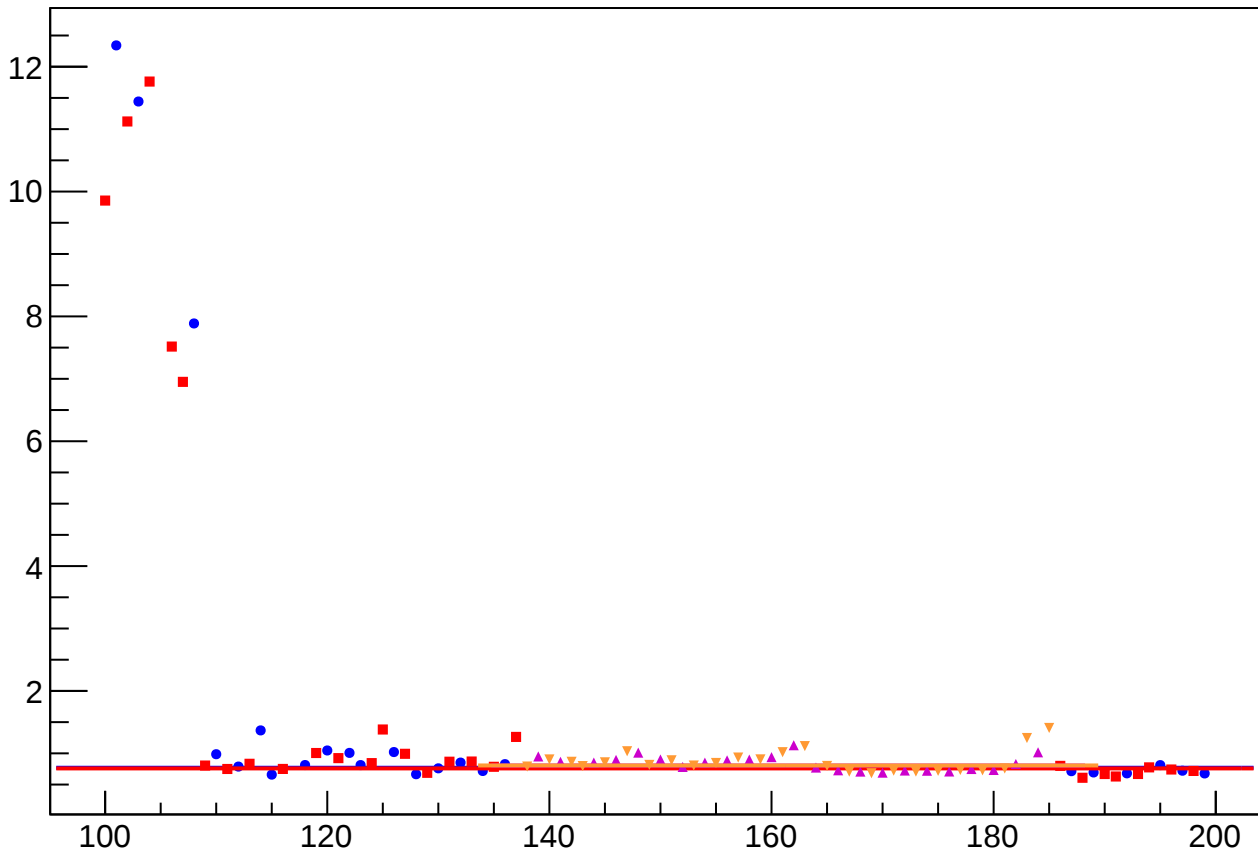
Left In: 133.337+/-0.000 χ^2/NDF : 4303812119.2/22

+ sign 141.105+/-0.000 χ^2/NDF : 32879940638.2/47

All: 141.538+/-0.000 χ^2/NDF : 76252234775.0

- sign 141.953+/-0.000 χ^2/NDF : 43359130493.4/49

yield_bcm0l02_rms vs Slug



Right In: 0.769 $\pm$ 0.000 χ^2 /NDF: 2799694.3/22

Left Out: 0.806 $\pm$ 0.000 χ^2 /NDF: 690578.5/24

Right Out: 0.759 $\pm$ 0.000 χ^2 /NDF: 3128366.7/26

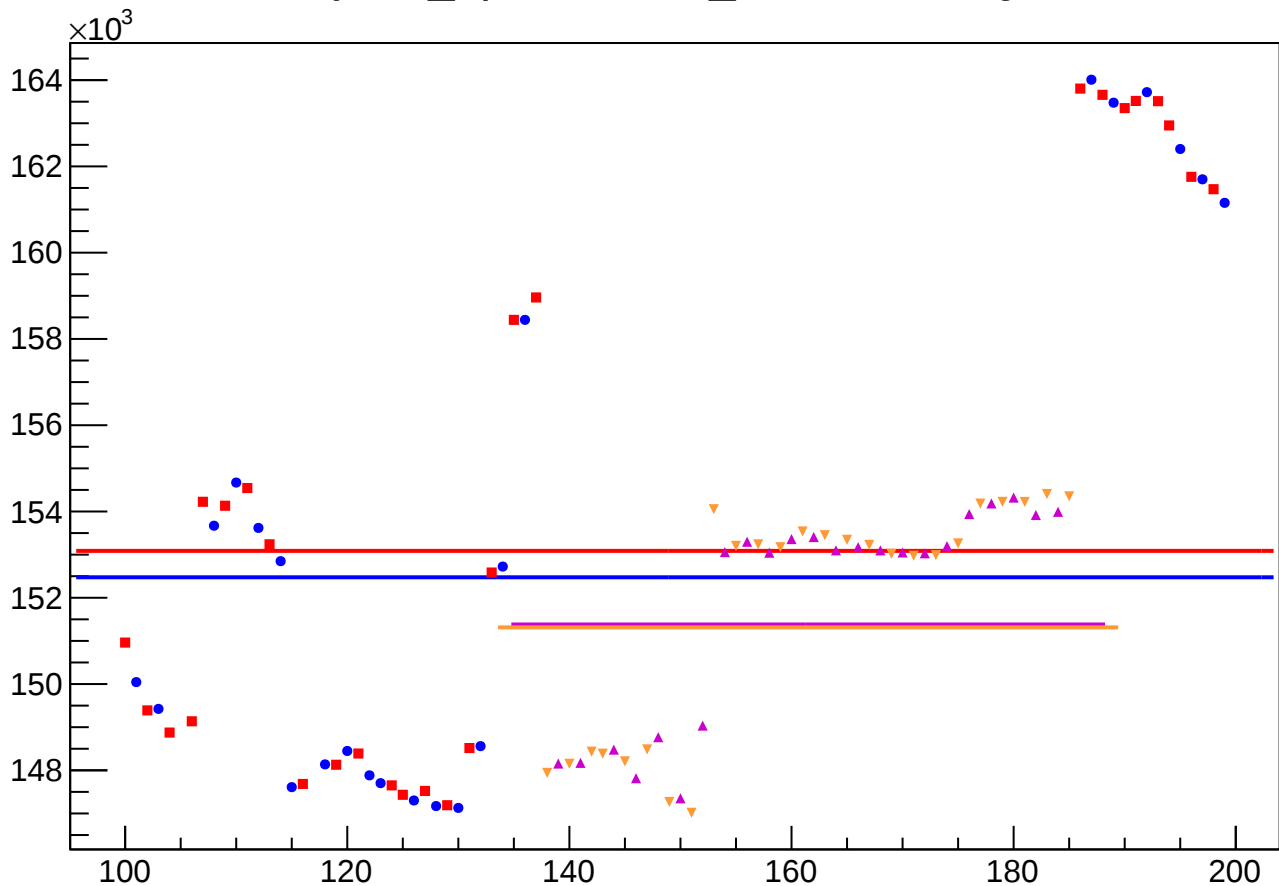
Left In: 0.805 $\pm$ 0.000 χ^2 /NDF: 480510.8/22

+ sign 0.794 $\pm$ 0.000 χ^2 /NDF: 3512125.0/47

All: 0.790 $\pm$ 0.000 χ^2 /NDF: 7160650.2/97

- sign 0.787 $\pm$ 0.000 χ^2 /NDF: 3646780.4/49

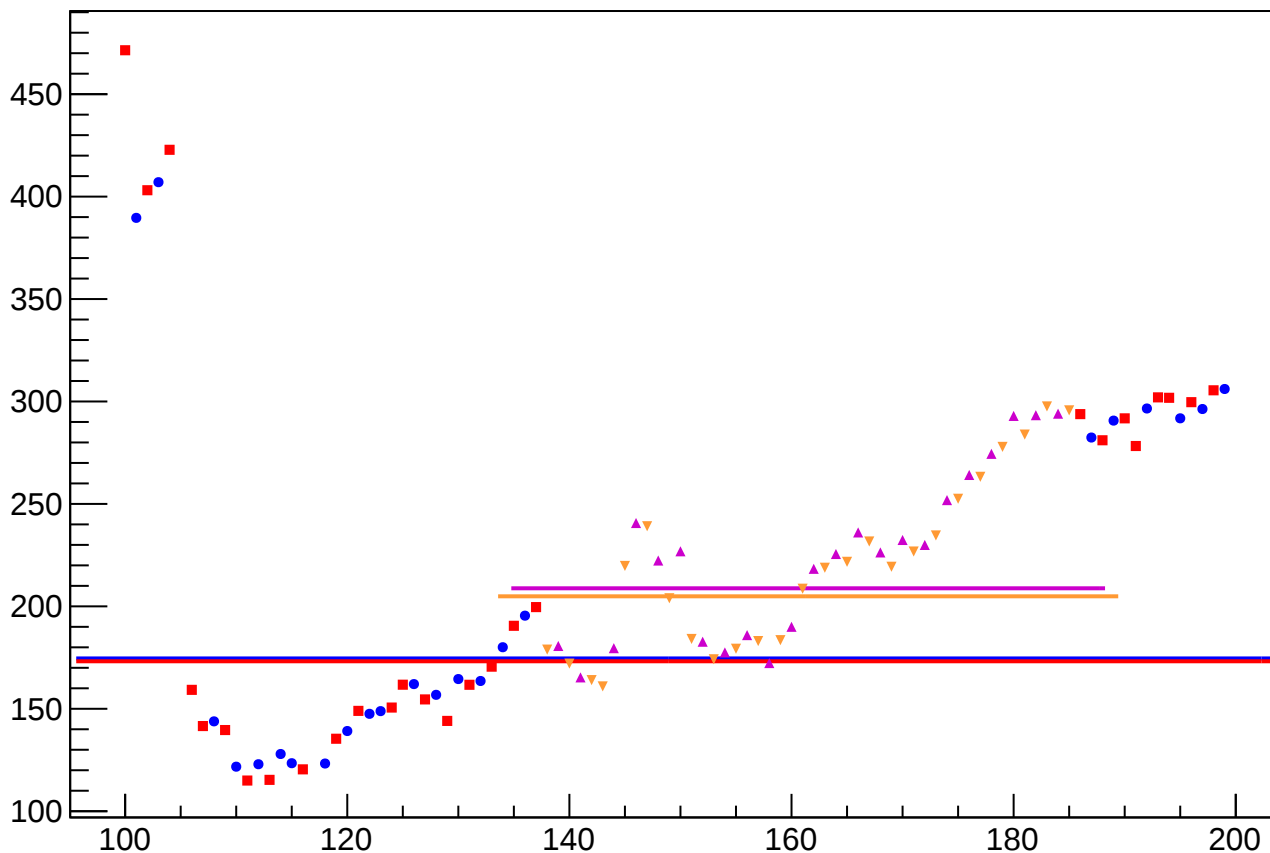
yield_bpm0i01WS_mean vs Slug



Right In: 152474.742 ± 0.058 $\chi^2/\text{NDF}: 8675575463.7/22$
 Left Out: 151313.284 ± 0.049 $\chi^2/\text{NDF}: 3153768134.8/24$
 Right Out: 153087.207 ± 0.054 $\chi^2/\text{NDF}: 9964397250.7/26$
 Left In: 151380.236 ± 0.051 $\chi^2/\text{NDF}: 2363895785.3/22$

+ sign 151792.128 ± 0.037 $\chi^2/\text{NDF}: 12063995252.4/22$
 - sign 152181.608 ± 0.037 $\chi^2/\text{NDF}: 12850331536.4/22$
 All: 151987.065 ± 0.026 $\chi^2/\text{NDF}: 249688314.8/22$

yield_bpm0i01WS_rms vs Slug



Right In: 174.574 $\pm$ 0.041 χ^2 /NDF: 2715596.3/22

Left Out: 204.900 $\pm$ 0.034 χ^2 /NDF:1056380.8/24

Right Out: 173.189 $\pm$ 0.038 χ^2 /NDF: 3257536.4/26

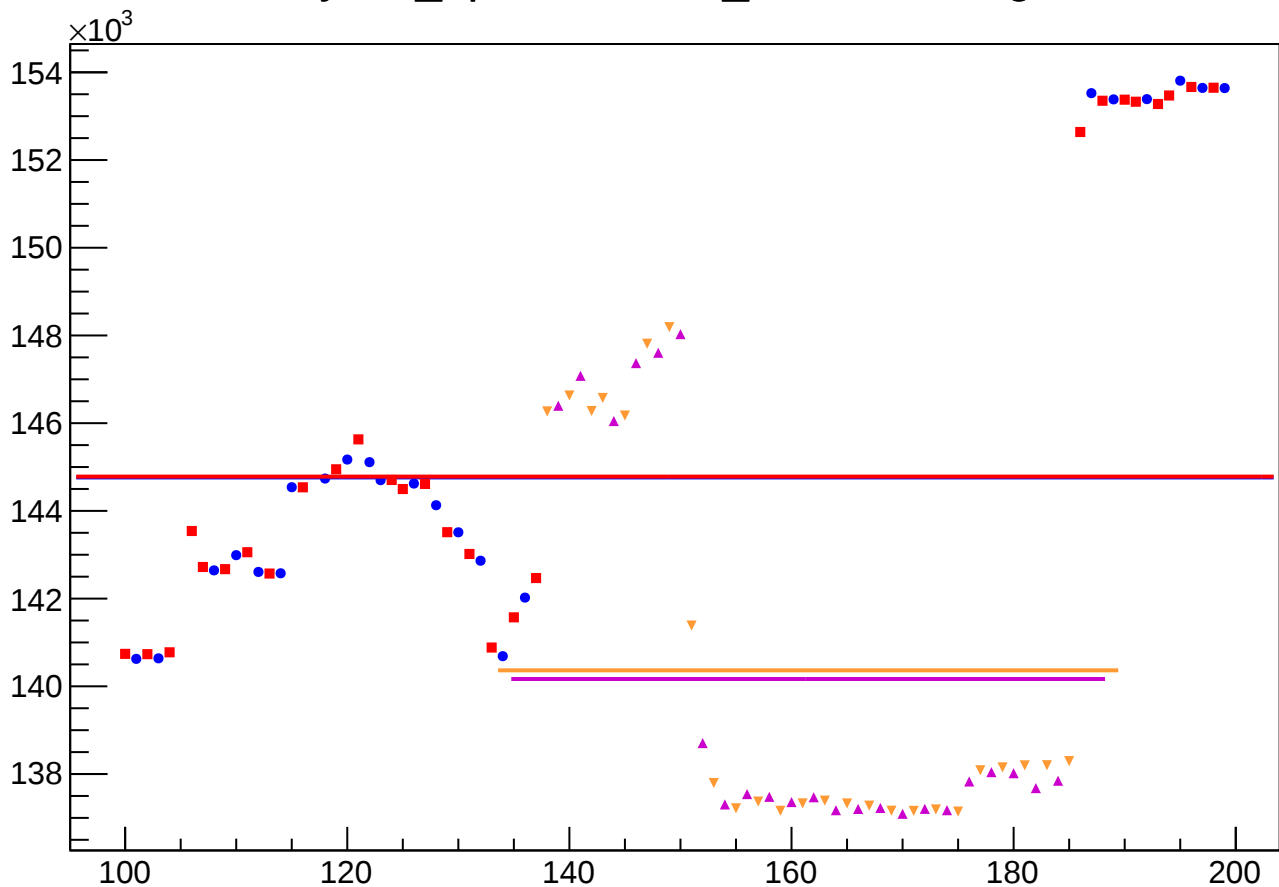
Left In: 208.813 $\pm$ 0.036 χ^2 /NDF:1001936.6/22

+ sign 192.397 $\pm$ 0.026 χ^2 /NDF: 4091907.5/47

All: 192.242 $\pm$ 0.019 χ^2 /NDF: 8806193.1/97

- sign 192.088 $\pm$ 0.026 χ^2 /NDF: 4714217.1/49

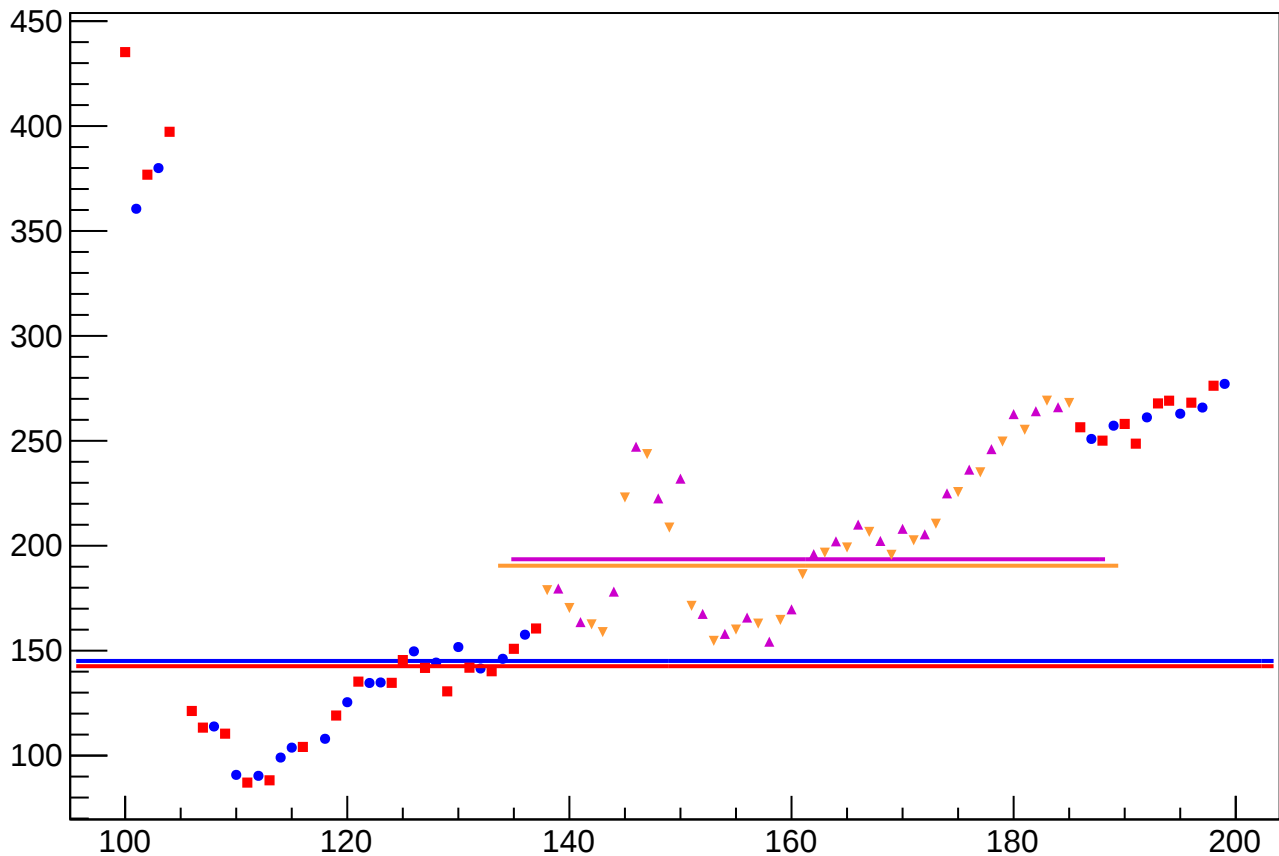
yield_bpm0i01aWS_mean vs Slug



Right In: 144763.172 $\pm$ 0.049 χ^2 /NDF: 5559380720.3/22
 Left Out: 140364.444 $\pm$ 0.045 χ^2 /NDF: 8677078677.7/24
 Right Out: 144781.830 $\pm$ 0.045 χ^2 /NDF: 6891244310.8/26
 Left In: 140166.971 $\pm$ 0.047 χ^2 /NDF: 8028464654.6/22

+ sign 142383.184 $\pm$ 0.033 χ^2 /NDF: 18579406299.
 All: 142482.958 $\pm$ 0.023 χ^2 /NDF: 384625923.
 - sign 142579.844 $\pm$ 0.033 χ^2 /NDF: 19865449766.0

yield_bpm0i01aWS_rms vs Slug



Right In: 145.100 $\pm$ 0.035 χ^2 /NDF: 3299336.1/22

Left Out: 190.486 $\pm$ 0.032 χ^2 /NDF: 950233.2/24

Right Out: 142.594 $\pm$ 0.032 χ^2 /NDF: 3931994.7/26

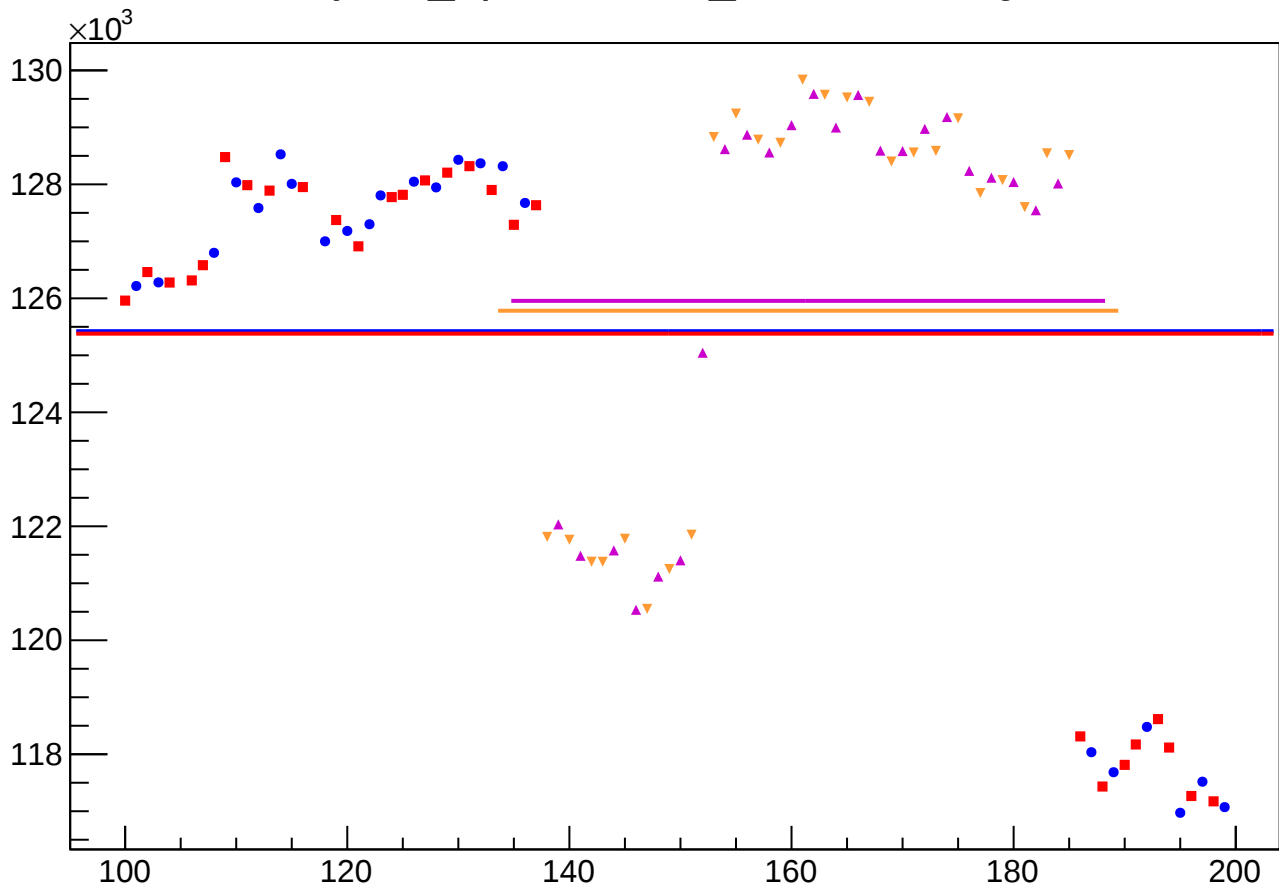
Left In: 193.558 $\pm$ 0.034 χ^2 /NDF: 963675.0/22

+ sign 169.656 $\pm$ 0.024 χ^2 /NDF: 5174287.1/47

All: 168.264 $\pm$ 0.017 χ^2 /NDF: 11283212.5/97

- sign 166.912 $\pm$ 0.023 χ^2 /NDF: 6102015.7/49

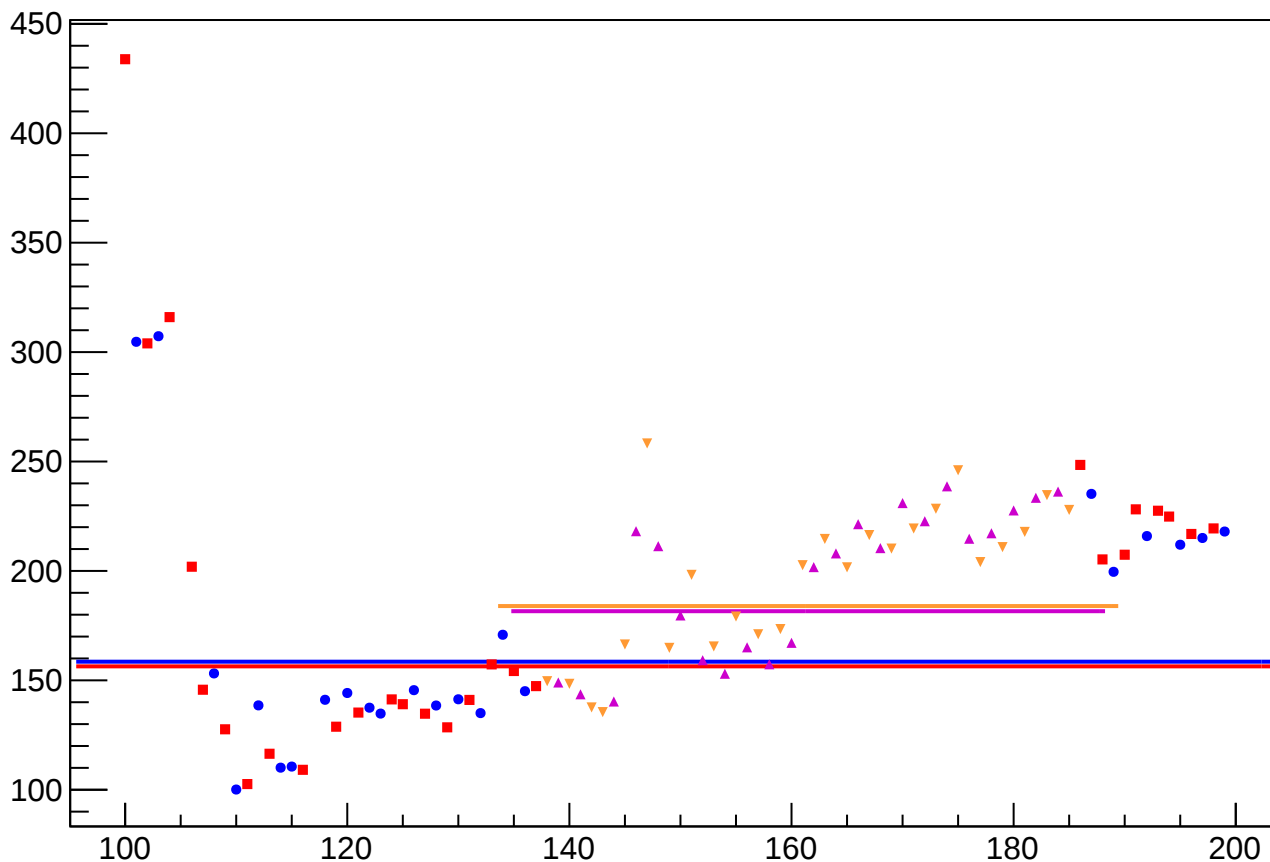
yield_bpm0l01WS_mean vs Slug



Right In: 125423.364 $\pm$ 0.051 χ^2 /NDF: 6960387828.7/22
 Left Out: 125782.764 $\pm$ 0.044 χ^2 /NDF: 6729761889.8/24
 Right Out: 125380.130 $\pm$ 0.048 χ^2 /NDF: 7998067879.3/26
 Left In: 125955.637 $\pm$ 0.045 χ^2 /NDF: 5804088930.1/22

+ sign 125630.133 $\pm$ 0.033 χ^2 /NDF: 13718479939.6
 All: 125658.644 $\pm$ 0.023 χ^2 /NDF: 275993778.0
 - sign 125685.947 $\pm$ 0.033 χ^2 /NDF: 13879469390.6

yield_bpm0l01WS_rms vs Slug



Right In: 158.524+/-0.036 χ^2/NDF : 1516957.5/22

Left Out: 183.947+/-0.031 χ^2/NDF : 1123194.0/24

Right Out: 156.387+/-0.034 χ^2/NDF : 2050682.5/26

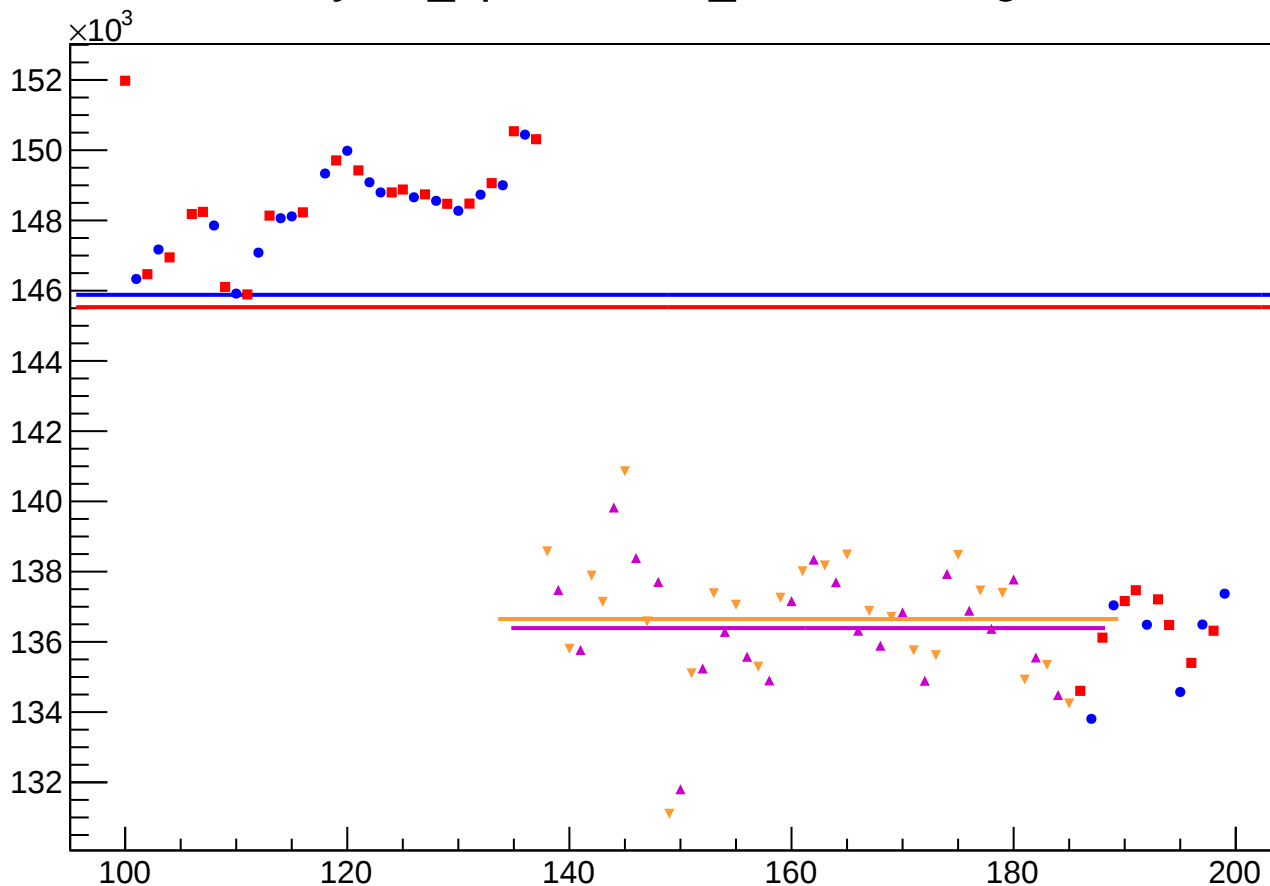
Left In: 181.596+/-0.032 χ^2/NDF : 1103524.3/22

+ sign 173.150+/-0.024 χ^2/NDF : 2923651.9/47

All: 171.430+/-0.017 χ^2/NDF : 6384928.0/97

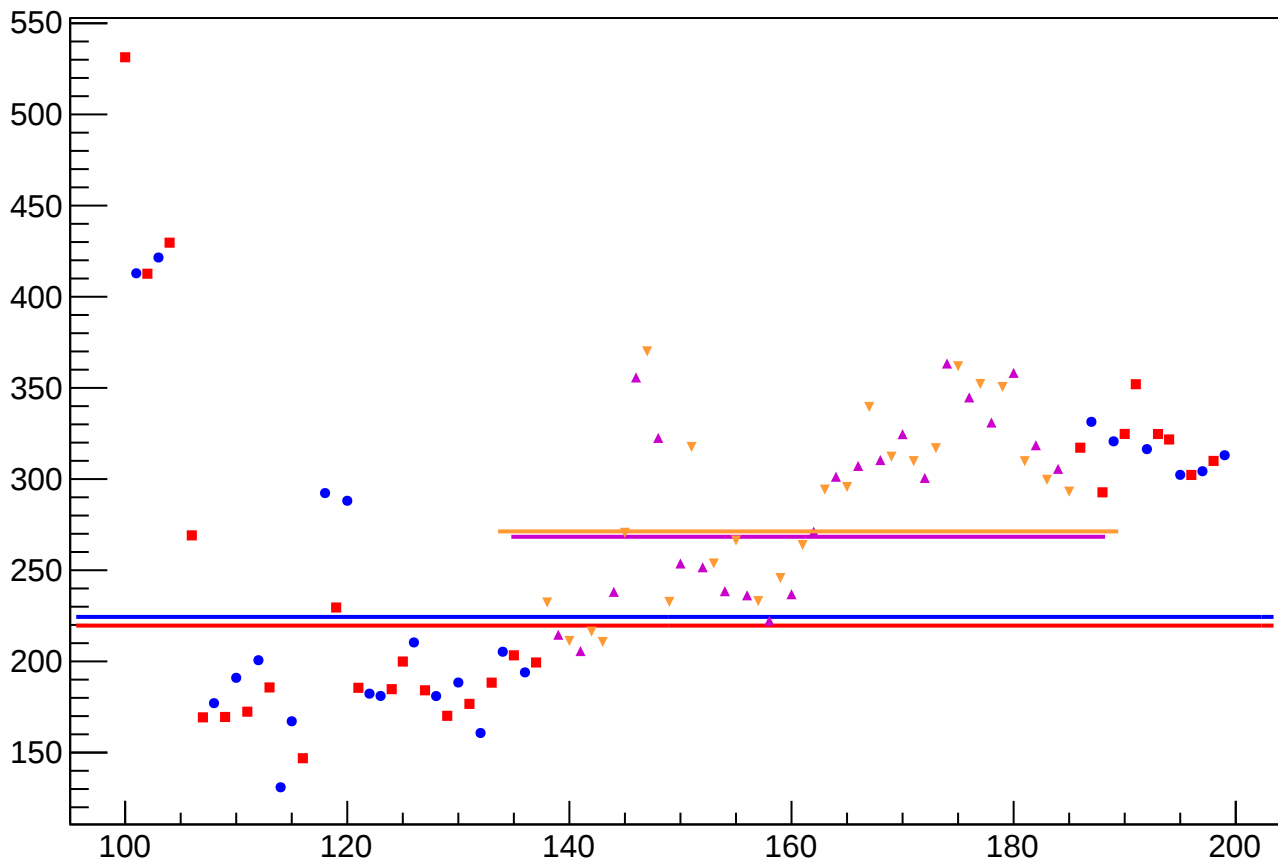
- sign 169.783+/-0.023 χ^2/NDF : 3450875.8/49

yield_bpm0l02WS_mean vs Slug



Right In: 145882.036 $\pm$ 0.073 χ^2/NDF : 5071123919.2/22
 Left Out: 136650.935 $\pm$ 0.065 χ^2/NDF : 930649595.5/24
 Right Out: 145531.057 $\pm$ 0.067 χ^2/NDF : 6024955608.8/26
 Left In: 136392.188 $\pm$ 0.066 χ^2/NDF : 701986841.4/22

yield_bpm0l02WS_rms vs Slug



Right In: 224.403 $\pm$ 0.052 χ^2 /NDF: 1719032.2/22

Left Out: 271.295 $\pm$ 0.046 χ^2 /NDF:1064485.7/24

Right Out: 219.642 $\pm$ 0.047 χ^2 /NDF: 2001361.9/26

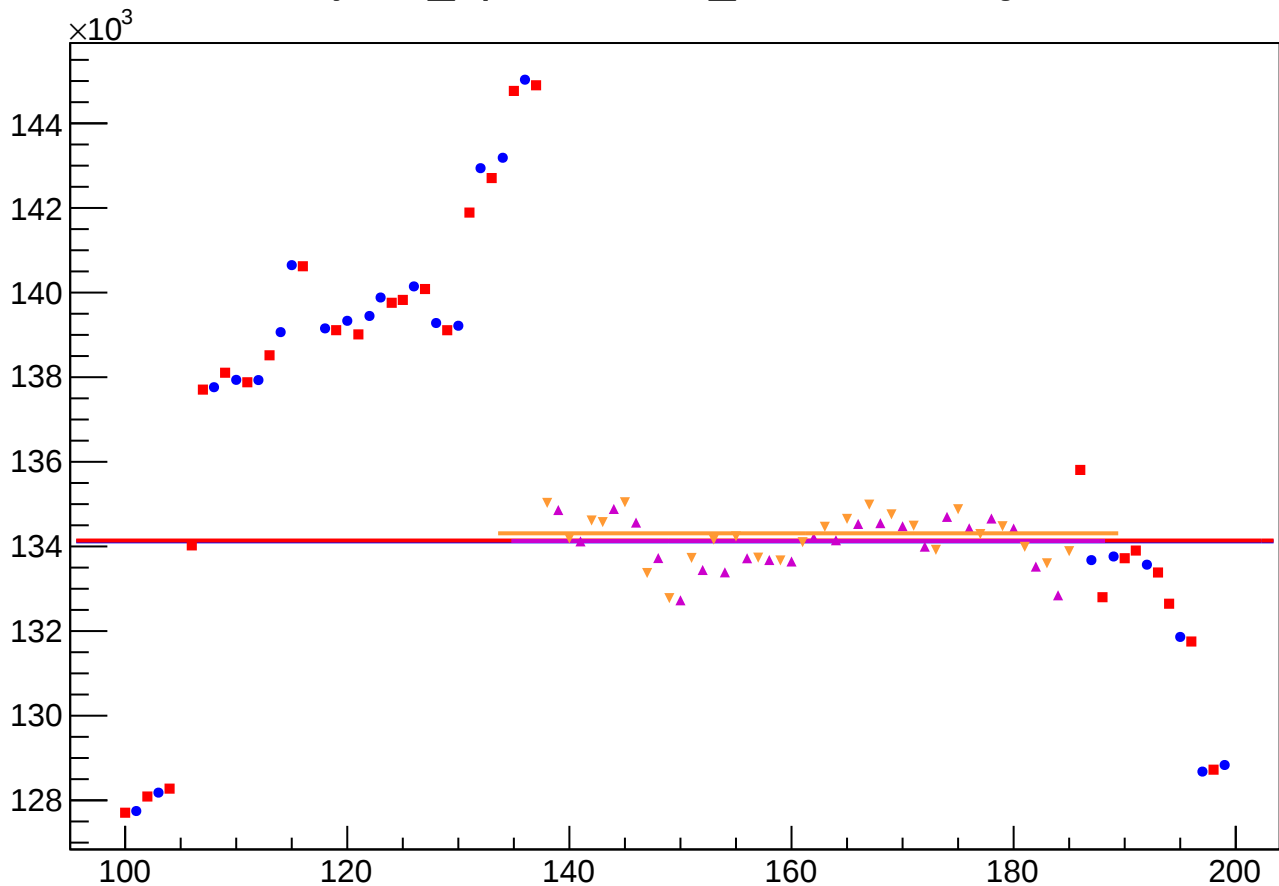
Left In: 268.344 $\pm$ 0.047 χ^2 /NDF:1077364.0/22

+ sign 250.654 $\pm$ 0.034 χ^2 /NDF: 3247020.0/47

All: 247.444 $\pm$ 0.024 χ^2 /NDF: 6878712.7/97

- sign 244.406 $\pm$ 0.033 χ^2 /NDF: 3614533.0/49

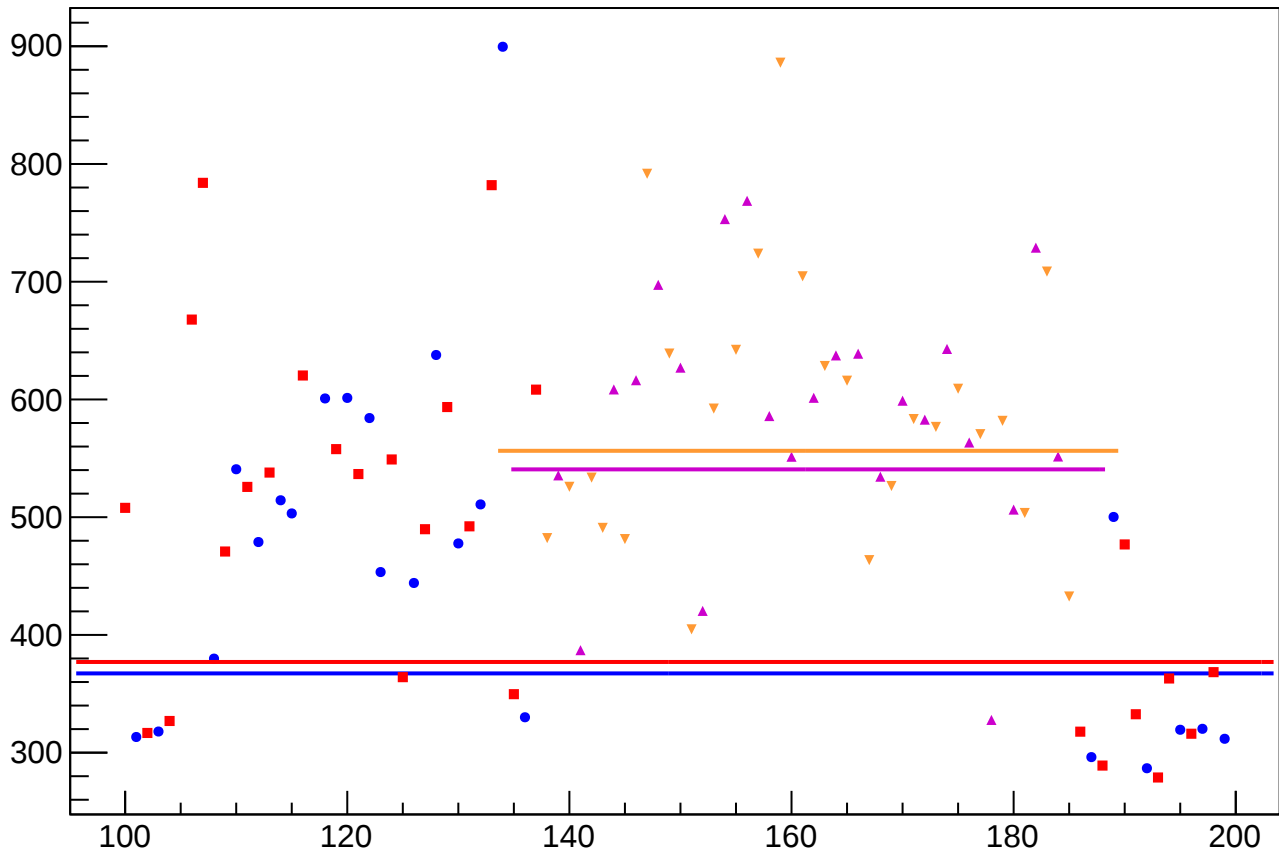
yield_bpm0l03WS_mean vs Slug



Right In: 134120.094 ± 0.126 $\chi^2/\text{NDF}: 2077863976.7/22$
 Left Out: 134310.250 ± 0.139 $\chi^2/\text{NDF}: 15518632.9/24$
 Right Out: 134140.172 ± 0.124 $\chi^2/\text{NDF}: 1368929493.8/26$
 Left In: 134128.172 ± 0.142 $\chi^2/\text{NDF}: 15533736.2/22$

+ sign 134206.524 ± 0.093 $\chi^2/\text{NDF}: 2094410022.7$
 All: 134170.704 ± 0.066 $\chi^2/\text{NDF}: 347917094$
 - sign 134134.994 ± 0.093 $\chi^2/\text{NDF}: 1384467290.8$

yield_bpm0l03WS_rms vs Slug



Right In: 367.314 ± 0.089 χ^2/NDF : 1203979.6/22

Left Out: 556.381 ± 0.098 χ^2/NDF : 1002064.0/24

Right Out: 377.029 ± 0.087 χ^2/NDF : 1540778.0/26

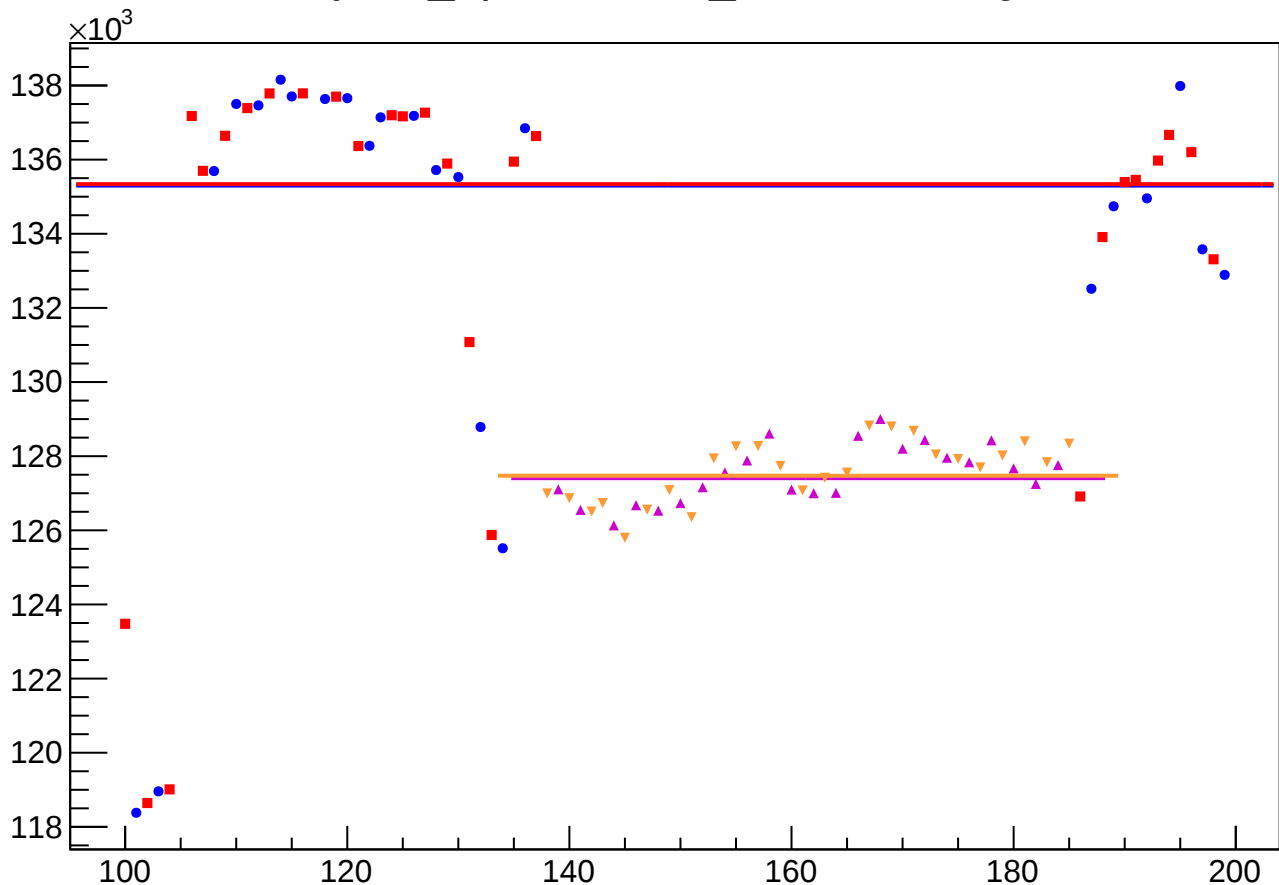
Left In: 540.607 ± 0.100 χ^2/NDF : 1409015.2/22

+ sign 453.249 ± 0.066 χ^2/NDF : 4237405.0/47

All: 450.427 ± 0.047 χ^2/NDF : 8699922.3/97

- sign 447.612 ± 0.066 χ^2/NDF : 4458870.0/49

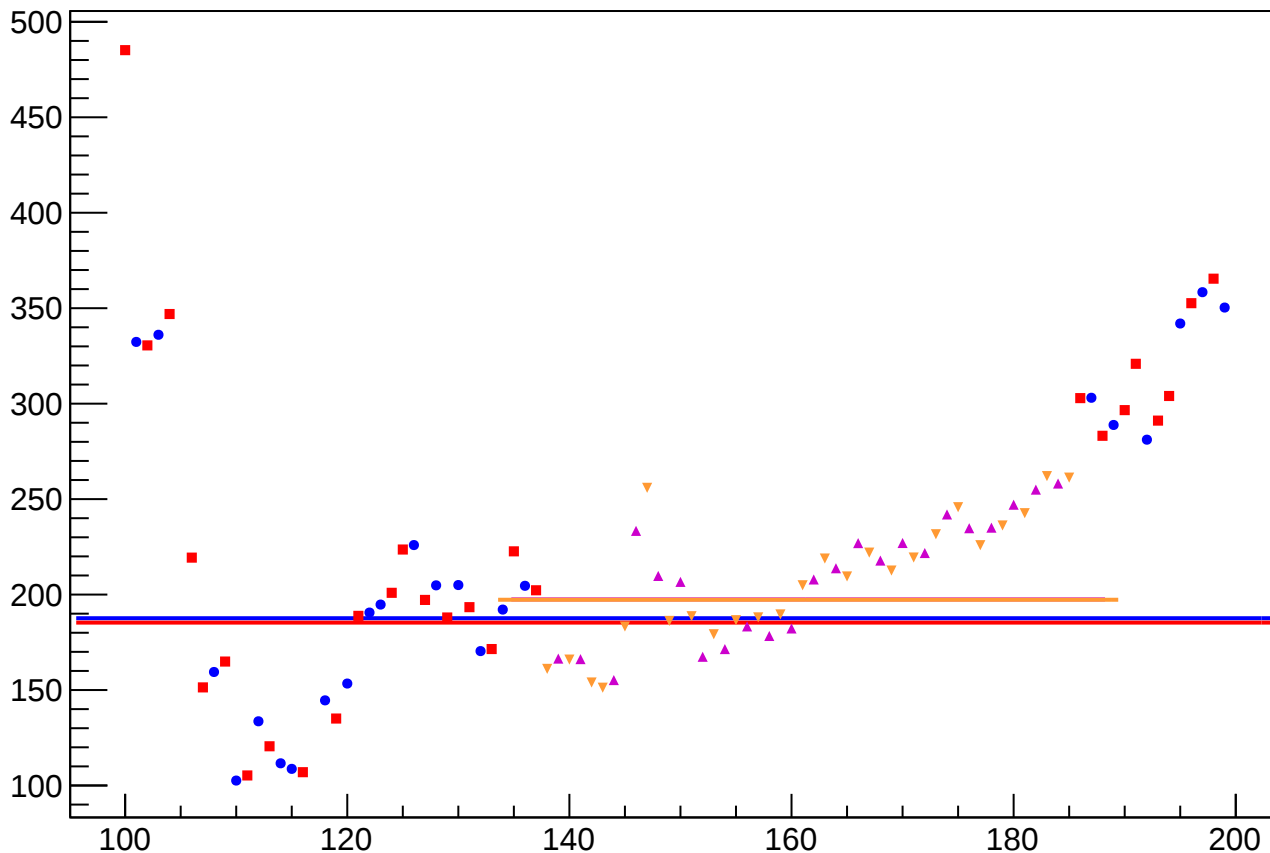
yield_bpm0l04WS_mean vs Slug



Right In: 135300.595 ± 0.063 $\chi^2/\text{NDF}: 4703155985.3/22$
 Left Out: 127472.525 ± 0.047 $\chi^2/\text{NDF}: 303609315.6/24$
 Right Out: 135338.800 ± 0.059 $\chi^2/\text{NDF}: 5100902122.2/26$
 Left In: 127406.911 ± 0.048 $\chi^2/\text{NDF}: 269927988.0/22$

+ sign 130263.001 ± 0.038 $\chi^2/\text{NDF}: 14956390843.9/22$
 All: 130446.090 ± 0.026 $\chi^2/\text{NDF}: 312912683.9/22$
 - sign 130626.177 ± 0.037 $\chi^2/\text{NDF}: 16287813888.9/22$

yield_bpm0l04WS_rms vs Slug



Right In: 187.616 $\pm$ 0.045 χ^2 /NDF: 2850012.6/22

Left Out: 197.289 $\pm$ 0.033 χ^2 /NDF: 852024.1/24

Right Out: 185.321 $\pm$ 0.041 χ^2 /NDF: 3407085.3/26

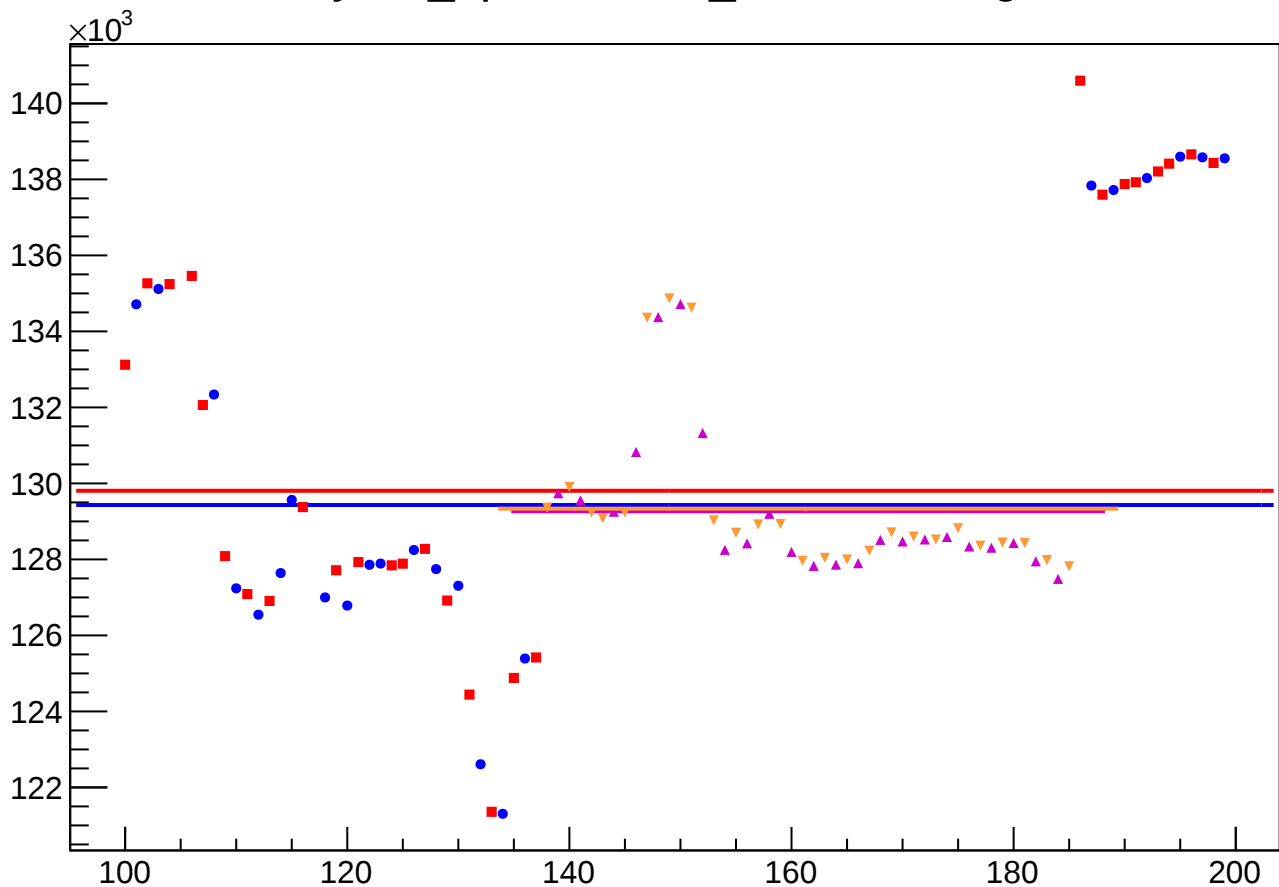
Left In: 197.471 $\pm$ 0.034 χ^2 /NDF: 791577.5/22

+ sign 193.841 $\pm$ 0.027 χ^2 /NDF: 3732424.4/47

All: 193.185 $\pm$ 0.019 χ^2 /NDF: 7983530.3/97

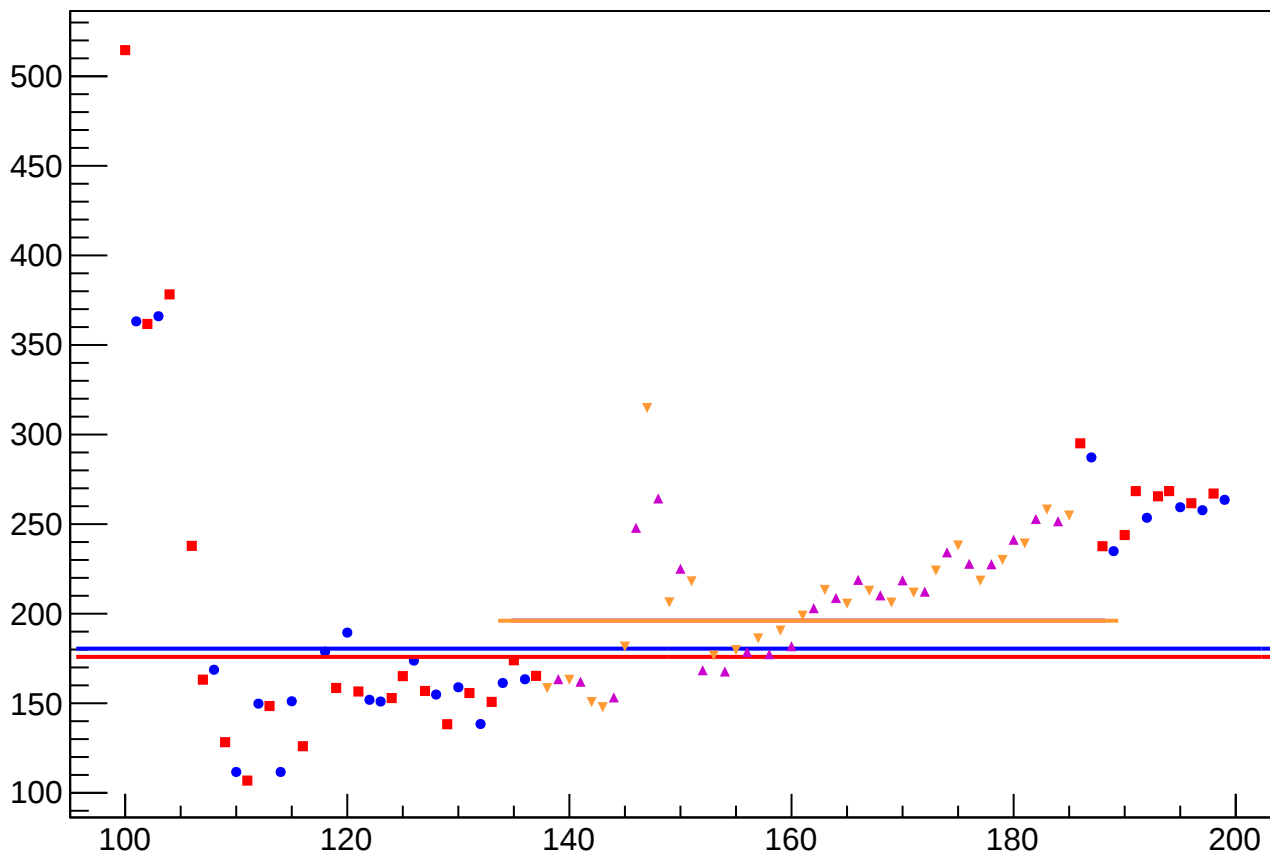
- sign 192.540 $\pm$ 0.026 χ^2 /NDF: 4249897.3/49

yield_bpm0l05WS_mean vs Slug



Right In: 129431.470 ± 0.059 $\chi^2/\text{NDF}: 7677324748.3/22$
 Left Out: 129335.946 ± 0.047 $\chi^2/\text{NDF}: 1450933621.0/24$
 Right Out: 129806.144 ± 0.054 $\chi^2/\text{NDF}: 8928006000.7/26$
 Left In: 129266.909 ± 0.048 $\chi^2/\text{NDF}: 1213762773.1/22$
 All: 129439.181 ± 0.026 $\chi^2/\text{NDF}: 193331473$
 + sign 129372.698 ± 0.037 $\chi^2/\text{NDF}: 9129866252.4$
 - sign 129503.575 ± 0.036 $\chi^2/\text{NDF}: 10196803825.9$

yield_bpm0l05WS_rms vs Slug



Right In: 180.492 ± 0.042 χ^2/NDF : 1814712.0/22

Left Out: 196.077 ± 0.033 χ^2/NDF : 975710.9/24

Right Out: 175.895 ± 0.039 χ^2/NDF : 2448086.6/26

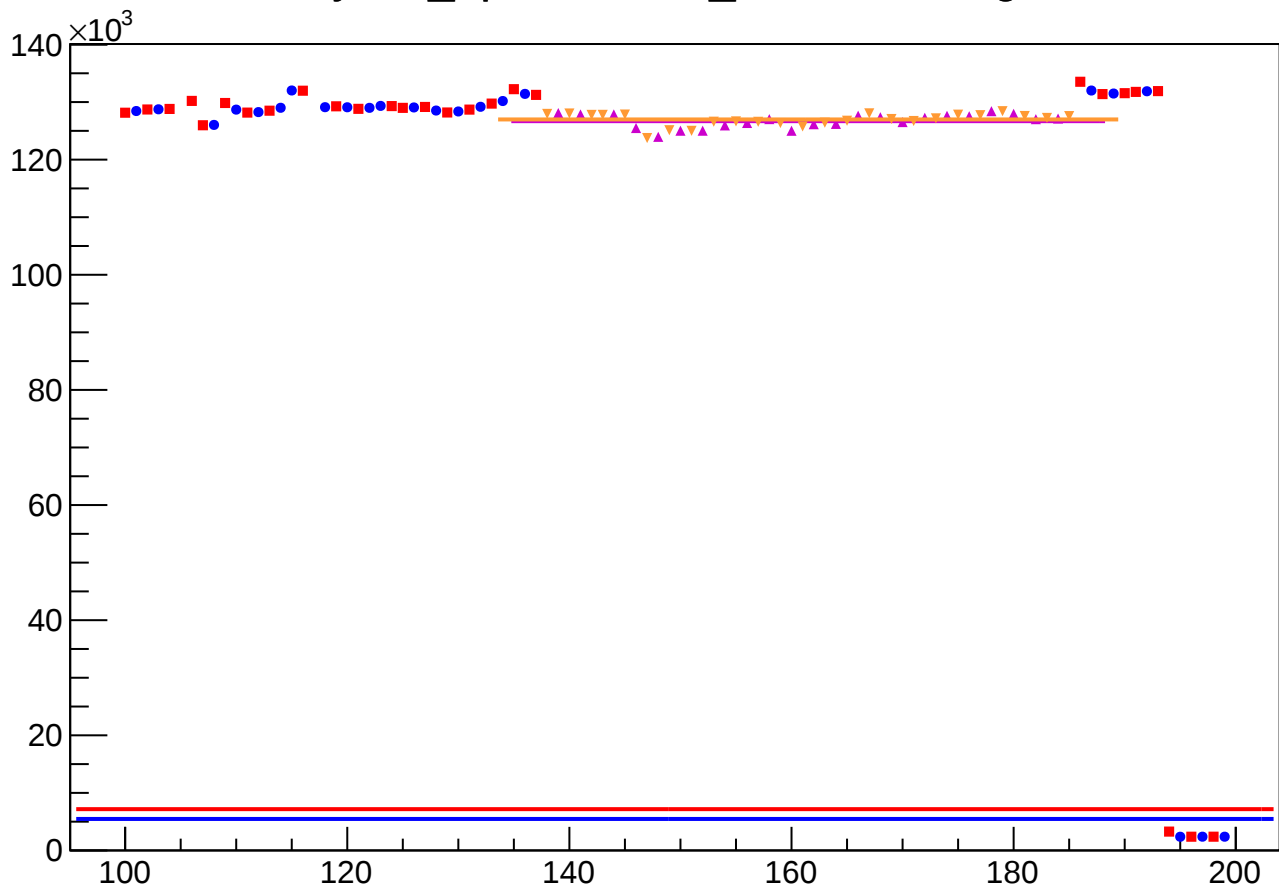
Left In: 196.186 ± 0.034 χ^2/NDF : 898058.0/22

+ sign 190.081 ± 0.026 χ^2/NDF : 2876021.3/47

All: 188.658 ± 0.018 χ^2/NDF : 6383953.3/97

- sign 187.280 ± 0.026 χ^2/NDF : 3501999.7/49

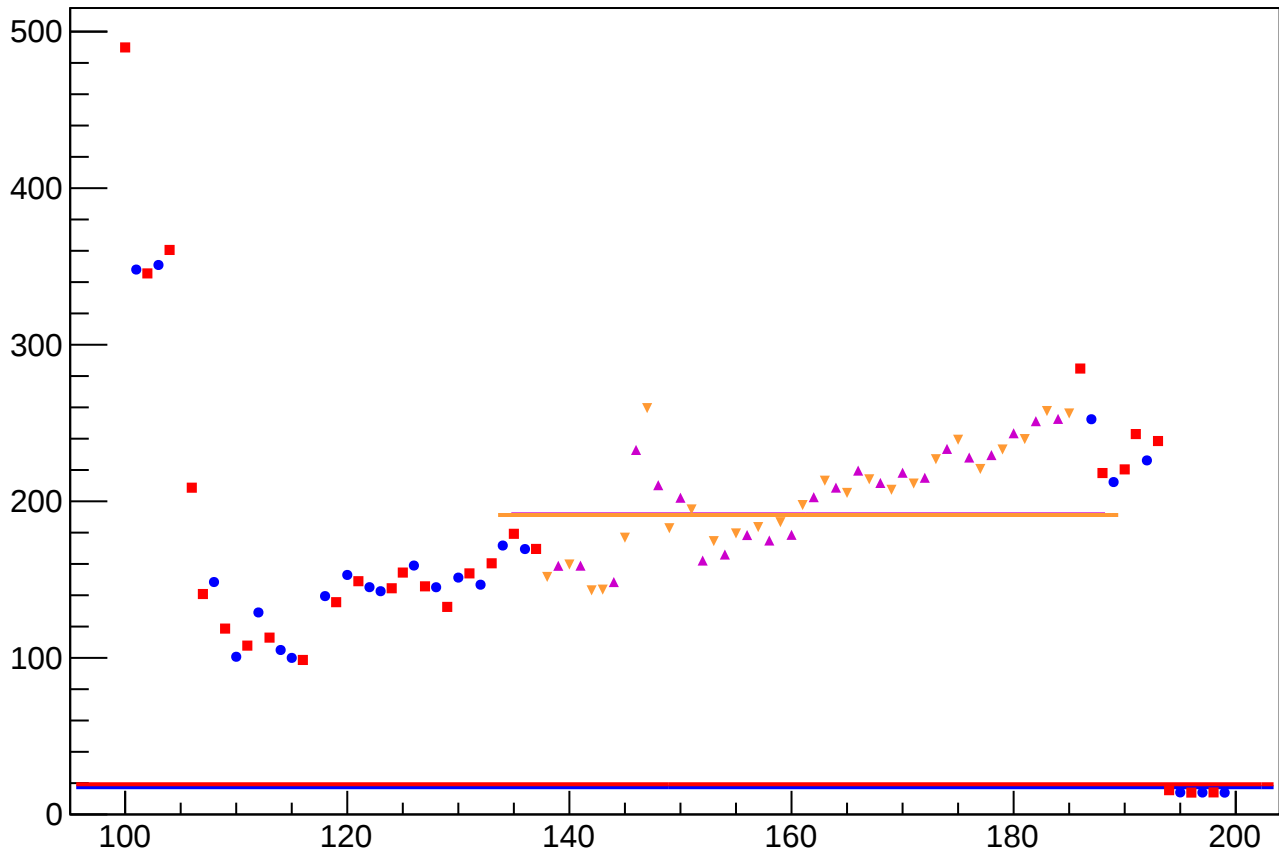
yield_bpm0l06WS_mean vs Slug



Right In: 5472.500 $\pm$ 0.009 χ^2 /NDF: 4811886124141.9/22
 Left Out: 126981.724 $\pm$ 0.046 χ^2 /NDF: 530573115.8/24
 Right Out: 7175.570 $\pm$ 0.010 χ^2 /NDF: 5660965086616.1/26
 Left In: 126682.659 $\pm$ 0.047 χ^2 /NDF: 660415880.0/22

+ sign 9956.732 $\pm$ 0.009 χ^2 /NDF: 11674143140335
 All: 11030.812 $\pm$ 0.007 χ^2 /NDF: 2355540292
 - sign 12381.985 $\pm$ 0.010 χ^2 /NDF: 1184719853529

yield_bpm0l06WS_rms vs Slug



Right In: 17.402 ± 0.006 χ^2/NDF : 13122185.8/22

Left Out: 191.263 ± 0.032 χ^2/NDF : 992566.2/24

Right Out: 19.292 ± 0.007 χ^2/NDF : 15212619.4/26

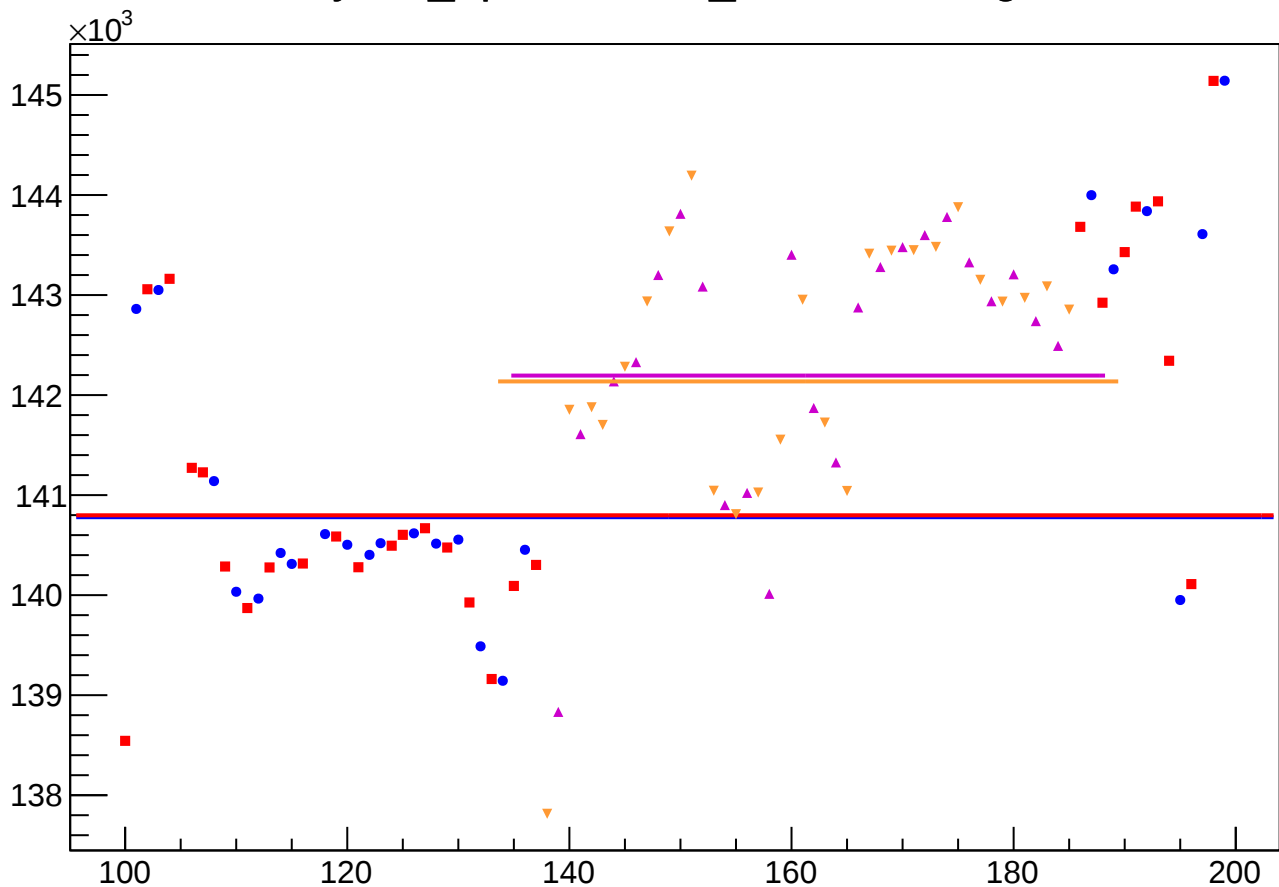
Left In: 191.683 ± 0.033 χ^2/NDF : 864384.9/22

+ sign 23.818 ± 0.006 χ^2/NDF : 42211076.3/47

All: 25.140 ± 0.005 χ^2/NDF : 84133589.0/97

- sign 26.803 ± 0.007 χ^2/NDF : 41819365.8/49

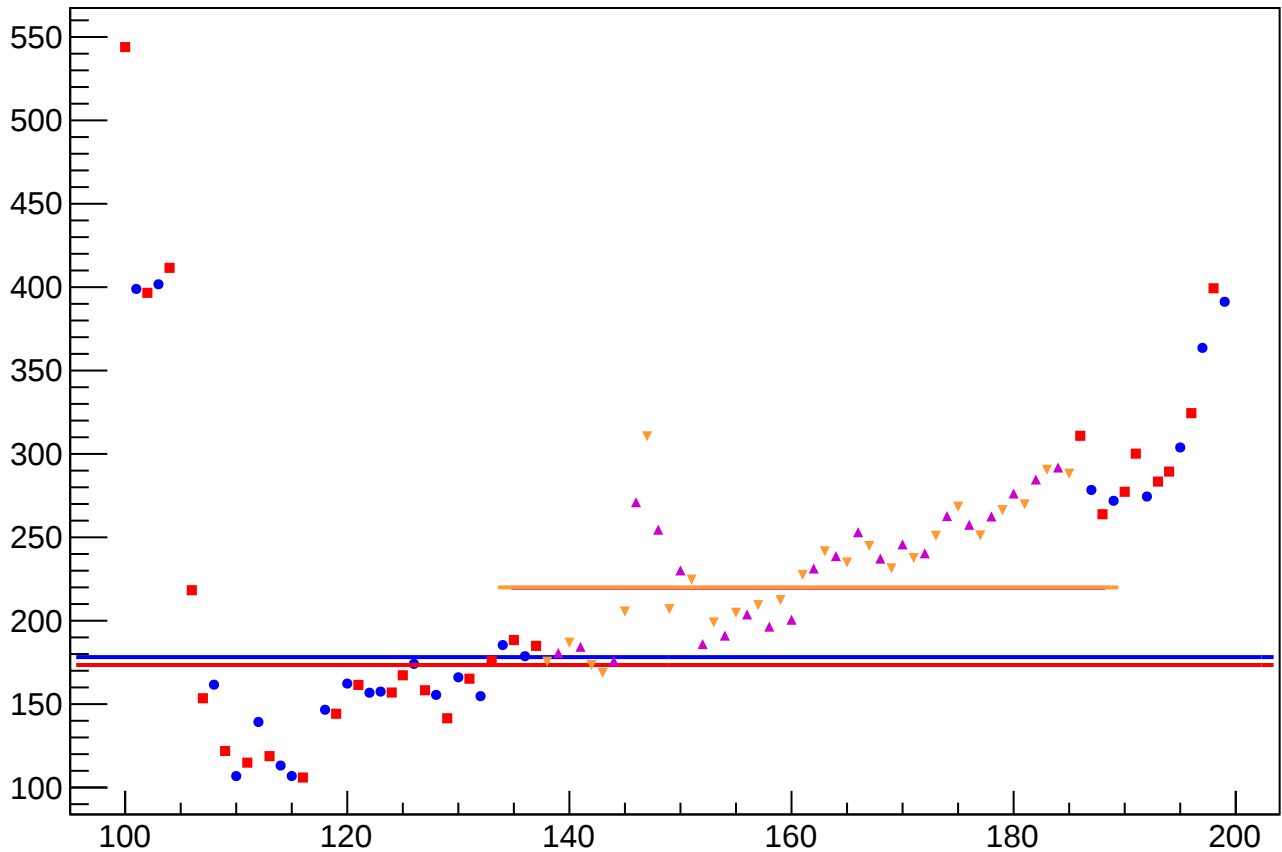
yield_bpm0l07WS_mean vs Slug



Right In: 140779.352 $\pm$ 0.060 χ^2 /NDF: 449409278.4/22
 Left Out: 142136.579 $\pm$ 0.052 χ^2 /NDF: 815573343.0/24
 Right Out: 140798.383 $\pm$ 0.055 χ^2 /NDF: 507225218.5/26
 Left In: 142195.020 $\pm$ 0.054 χ^2 /NDF: 644030906.9/22

+ sign 141546.608 $\pm$ 0.039 χ^2 /NDF: 1557437360.8
 All: 141526.797 $\pm$ 0.027 χ^2 /NDF: 303995717
 - sign 141507.932 $\pm$ 0.038 χ^2 /NDF: 1482024773.4

yield_bpm0l07WS_rms vs Slug



Right In: 178.186+/-0.042 χ^2/NDF : 2911600.5/22

Left Out: 219.969+/-0.037 χ^2/NDF : 866616.3/24

Right Out: 173.451+/-0.039 χ^2/NDF : 3518395.1/26

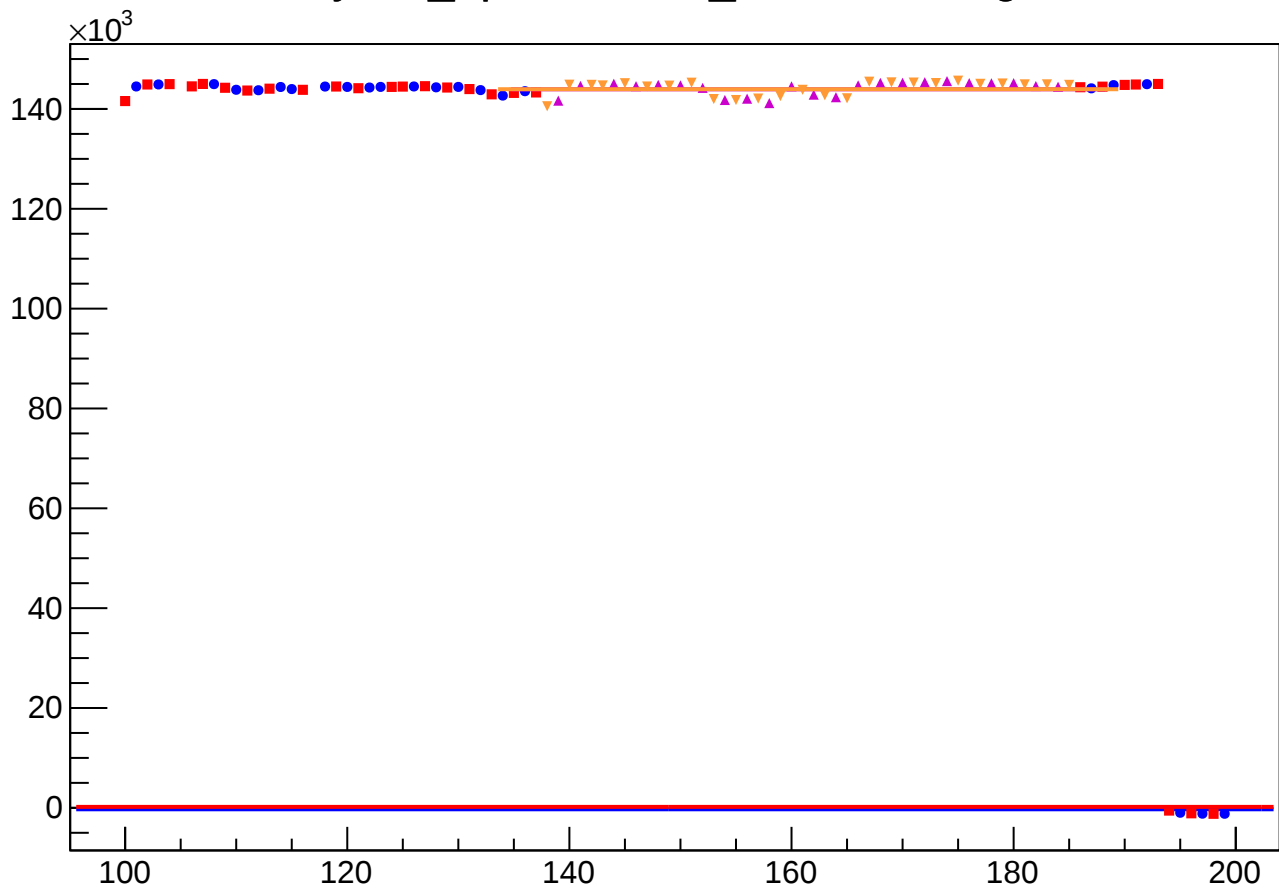
Left In: 219.685+/-0.038 χ^2/NDF : 812745.1/22

+ sign 201.806+/-0.028 χ^2/NDF : 4332568.8/47

All: 199.314+/-0.019 χ^2/NDF : 9404325.7/97

- sign 196.940+/-0.027 χ^2/NDF : 5056078.9/49

yield_bpm0l08WS_mean vs Slug



Right In: -289.764 ± 0.005 χ^2/NDF : 5273145664855.1/22

Left Out: 143951.284 ± 0.052 χ^2/NDF : 864679545.2/24

Right Out: 189.938 ± 0.005 χ^2/NDF : 6353512287847.1/26

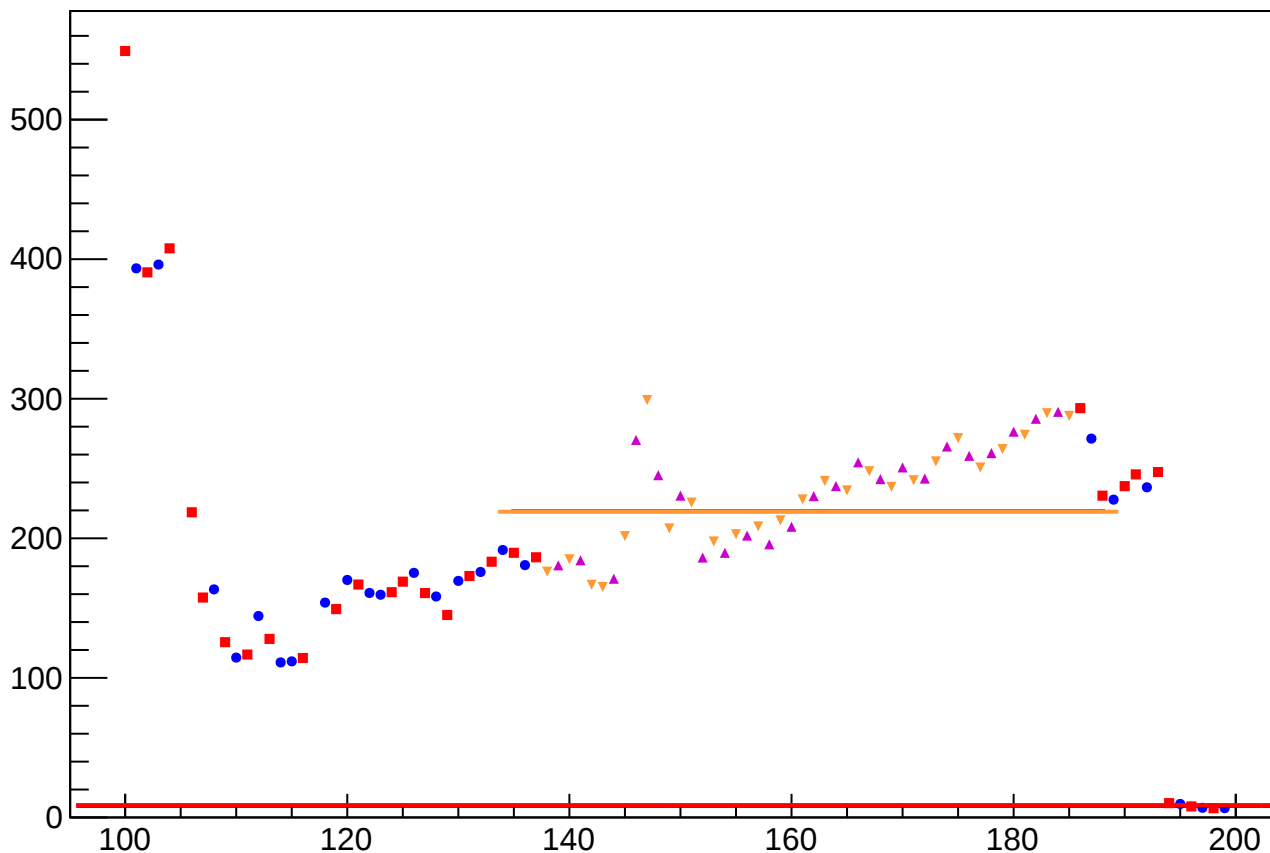
Left In: 143938.288 ± 0.054 χ^2/NDF : 719814685.6/22

+ sign 933.803 ± 0.005 χ^2/NDF : 12863419410894.

All: 1240.631 ± 0.004 χ^2/NDF : 26283792979

- sign 1626.011 ± 0.005 χ^2/NDF : 13411162238965

yield_bpm0l08WS_rms vs Slug



Right In: 8.339 ± 0.003 χ^2/NDF : 14766494.9/22

Left Out: 219.050 ± 0.037 χ^2/NDF : 934417.6/24

Right Out: 8.827 ± 0.004 χ^2/NDF : 17232625.1/26

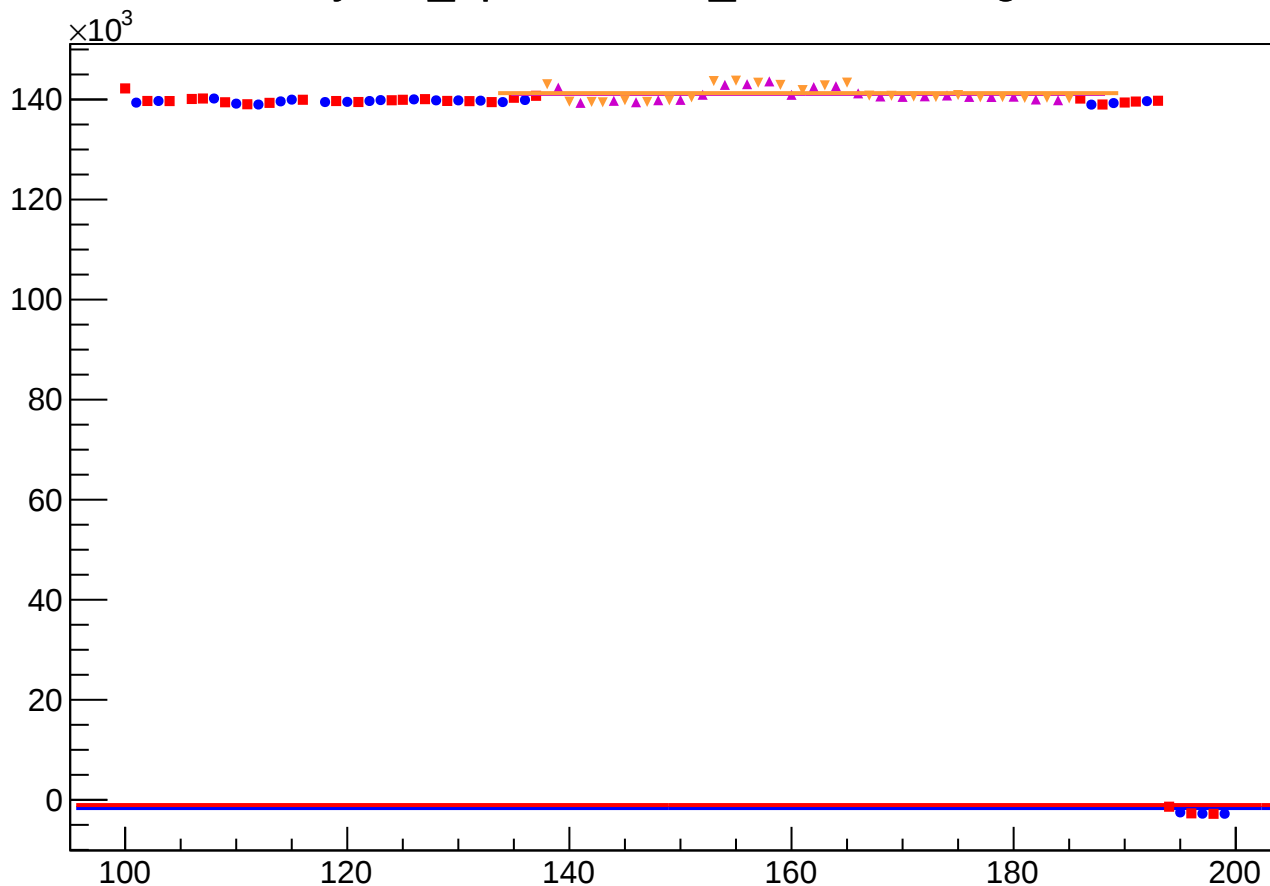
Left In: 219.426 ± 0.038 χ^2/NDF : 850089.5/22

+ sign 10.126 ± 0.003 χ^2/NDF : 48092554.0/47

All: 10.483 ± 0.003 χ^2/NDF : 96493862.9/97

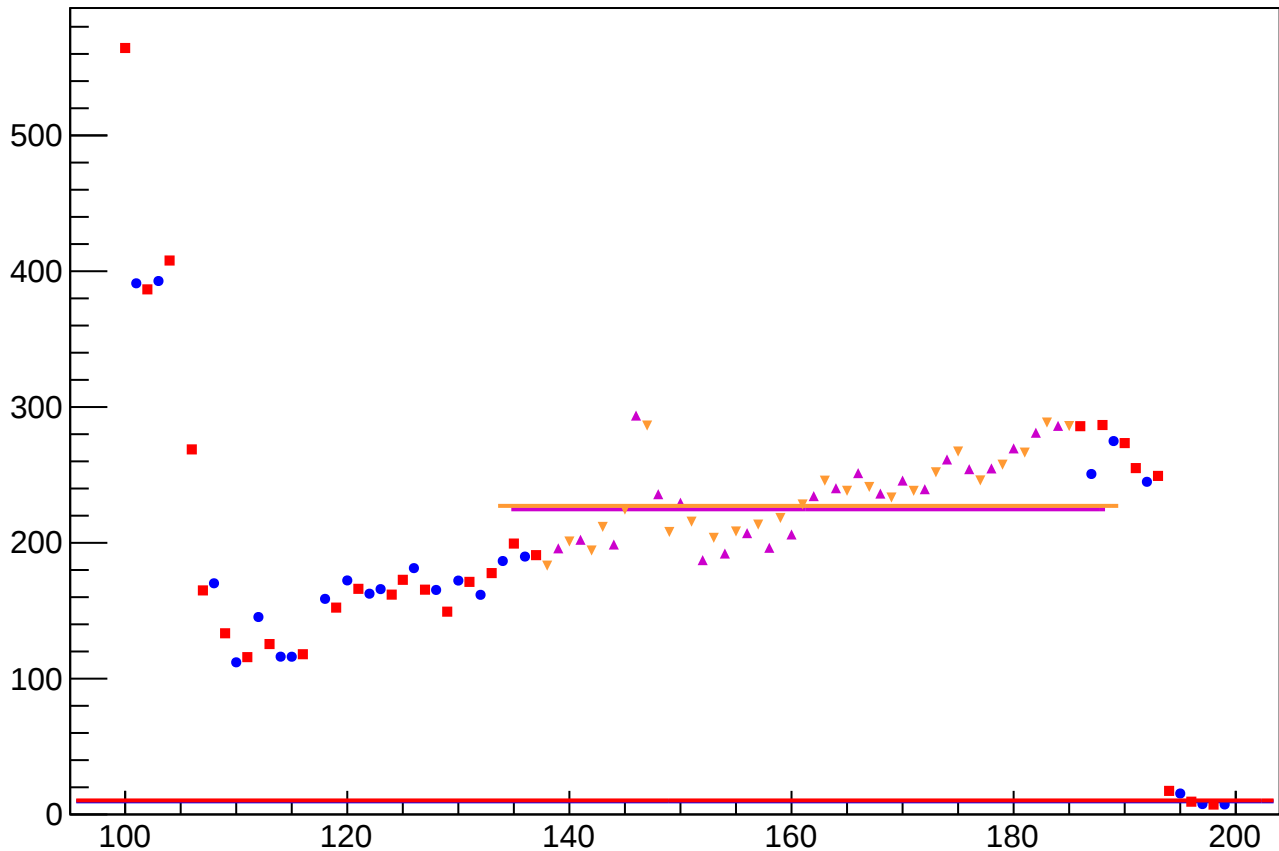
- sign 10.931 ± 0.004 χ^2/NDF : 48376446.1/49

yield_bpm0l09WS_mean vs Slug



Right In: -1642.164 ± 0.006 $\chi^2/\text{NDF}: 4837298370373.4/22$
 Left Out: 141268.791 ± 0.054 $\chi^2/\text{NDF}: 795989244.2/24$ $+ \text{sign } -71.094 \pm 0.006$ $\chi^2/\text{NDF}: 11842934252010.8$
 Right Out: -1041.700 ± 0.006 $\chi^2/\text{NDF}: 5733972477920.4/26$ $\text{All: } 332.237 \pm 0.004$ $\chi^2/\text{NDF}: 242019836653$
 Left In: 141119.484 ± 0.055 $\chi^2/\text{NDF}: 565312728.1/22$ $- \text{sign } 840.144 \pm 0.006$ $\chi^2/\text{NDF}: 12347455442226.3$

yield_bpm0l09WS_rms vs Slug



Right In: 9.651+/-0.004 χ^2/NDF : 14850106.2/22

Left Out: 227.224+/-0.038 χ^2/NDF : 484955.3/24

Right Out: 10.317+/-0.004 χ^2/NDF : 17174409.6/26

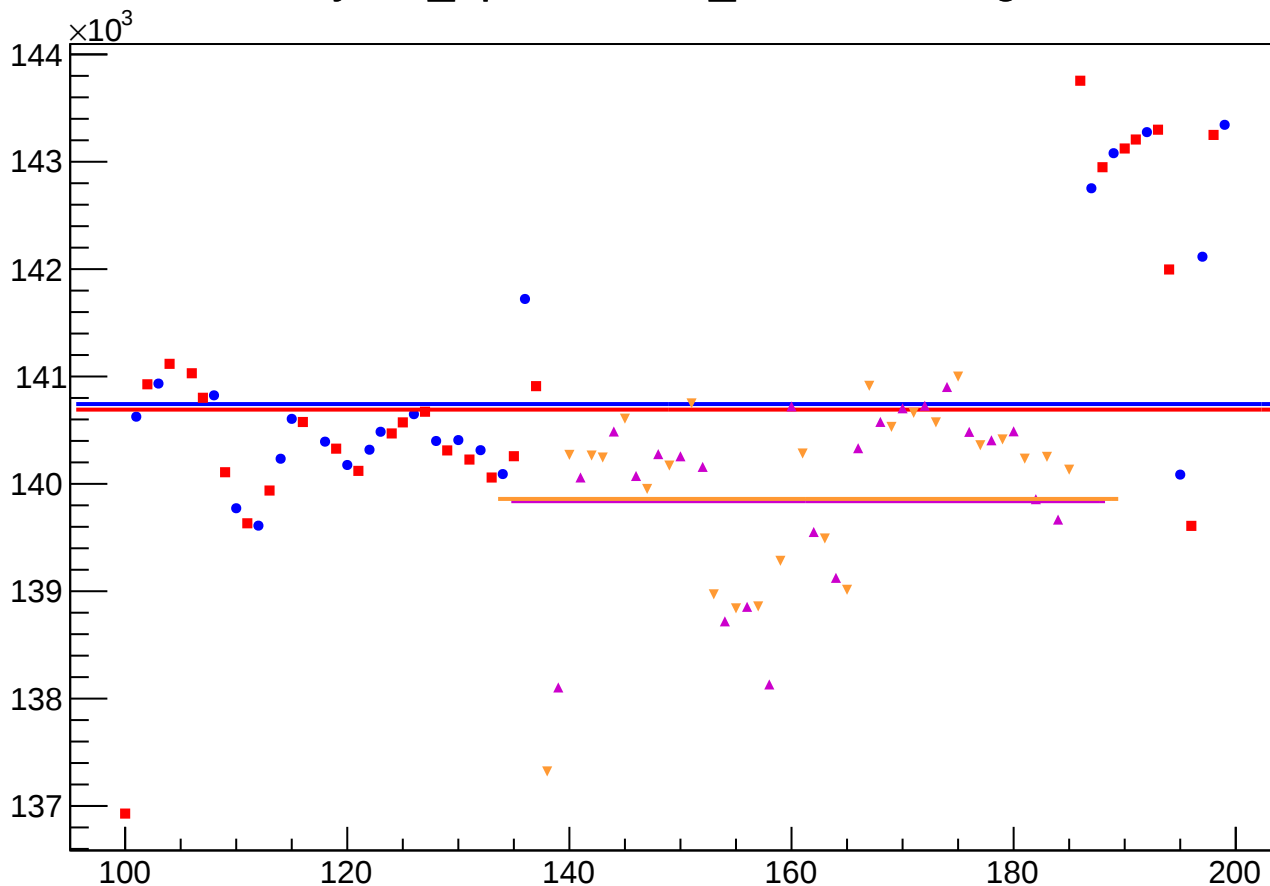
Left In: 224.686+/-0.039 χ^2/NDF : 578366.0/22

+ sign 12.043+/-0.004 χ^2/NDF : 47806958.6/47

All: 12.535+/-0.003 χ^2/NDF : 95667881.6/97

- sign 13.155+/-0.004 χ^2/NDF : 47826380.9/49

yield_bpm0l10WS_mean vs Slug



Right In: 140743.266 $\pm$ 0.062 χ^2 /NDF: 279004542.9/22

Left Out: 139859.696 $\pm$ 0.051 χ^2 /NDF: 330118281.5/24

Right Out: 140691.554 $\pm$ 0.057 χ^2 /NDF: 371070993.7/26

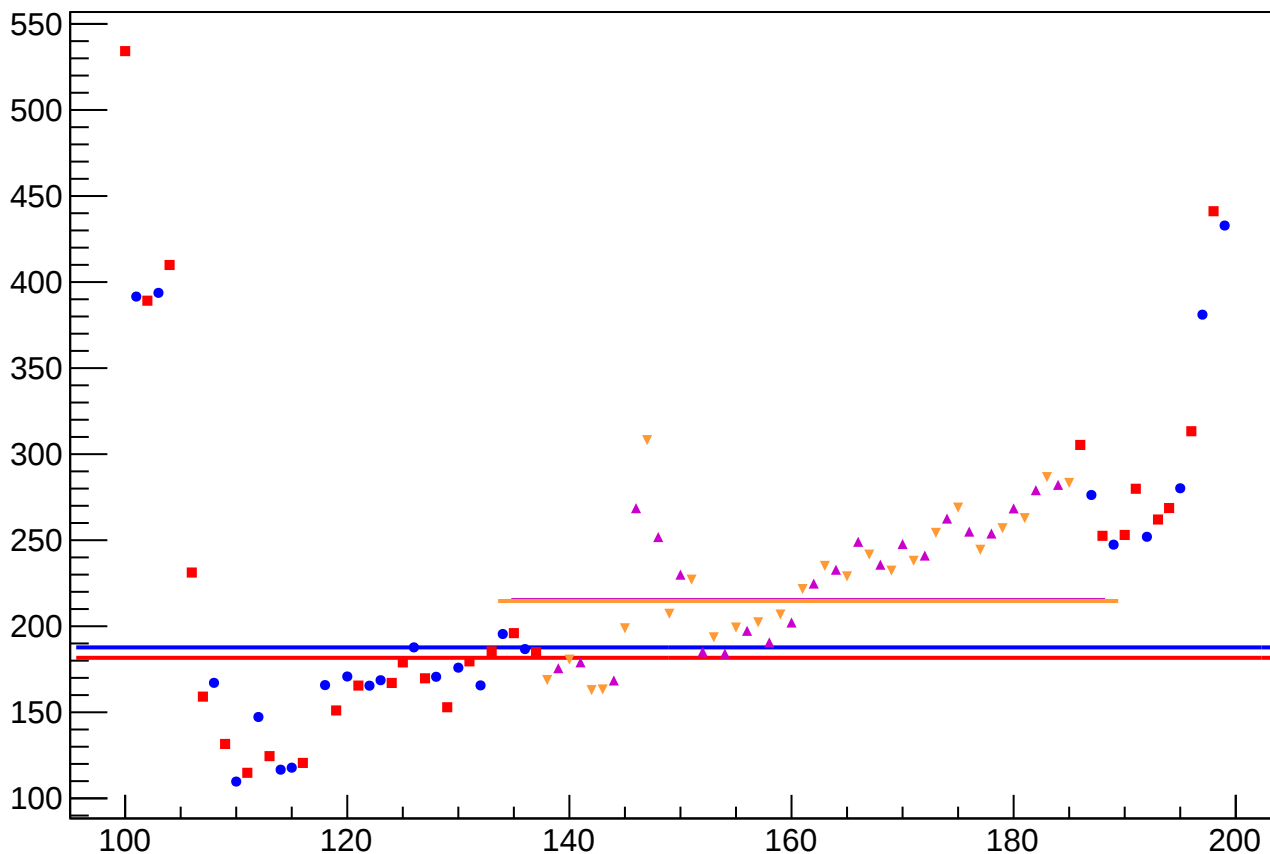
Left In: 139838.724 $\pm$ 0.053 χ^2 /NDF: 279573689.3/22

+ sign 140214.380 $\pm$ 0.040 χ^2 /NDF: 729153409.2/4

All: 140224.685 $\pm$ 0.028 χ^2 /NDF: 150102009

- sign 140234.535 $\pm$ 0.039 χ^2 /NDF: 771733786.9/4

yield_bpm0l10WS_rms vs Slug



Right In: 187.708 $\pm$ 0.044 χ^2 /NDF: 2560380.8/22

Left Out: 214.693 $\pm$ 0.036 χ^2 /NDF: 981105.5/24

Right Out: 181.664 $\pm$ 0.040 χ^2 /NDF: 3040188.0/26

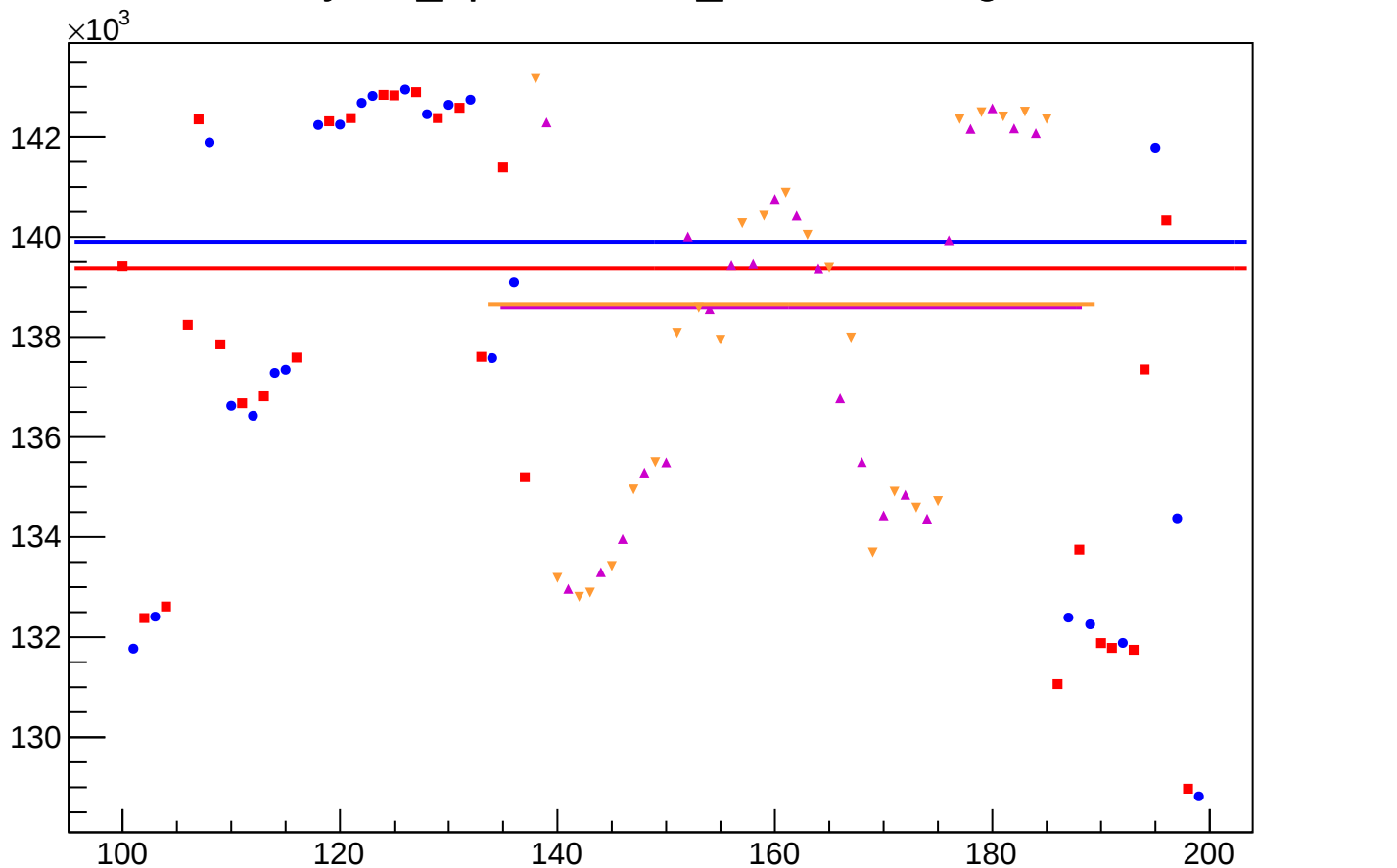
Left In: 215.222 $\pm$ 0.037 χ^2 /NDF: 881945.0/22

+ sign 203.861 $\pm$ 0.028 χ^2 /NDF: 3765391.6/47

All: 201.706 $\pm$ 0.020 χ^2 /NDF: 8074110.1/97

- sign 199.647 $\pm$ 0.027 χ^2 /NDF: 4297102.4/49

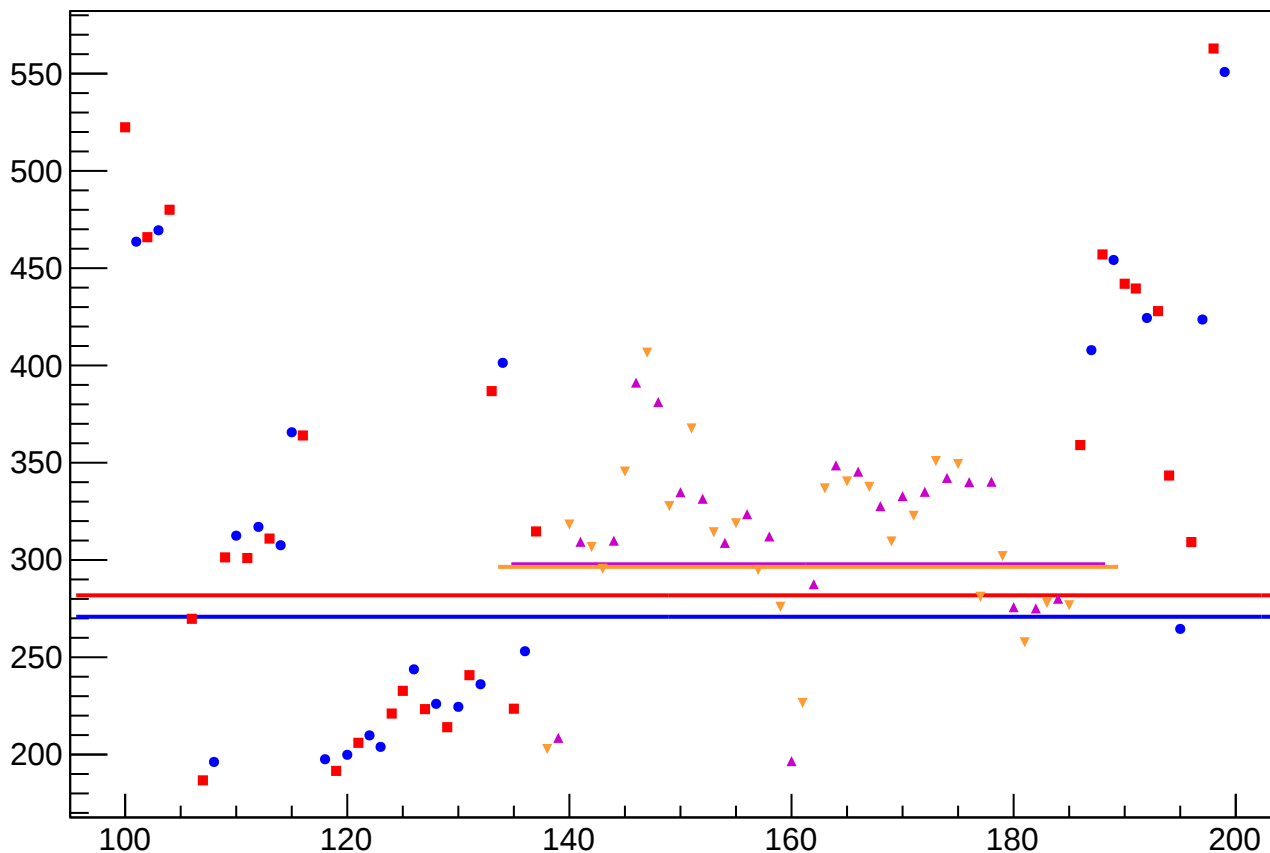
yield_bpm0r03WS_mean vs Slug



Right In: 139904.617 ± 0.089 χ^2/NDF : 1908901188.7/22
 Left Out: 138646.366 ± 0.071 χ^2/NDF : 2548637600.4/24
 Right Out: 139370.813 ± 0.087 χ^2/NDF : 2053498886.5/26
 Left In: 138588.711 ± 0.074 χ^2/NDF : 1948065195.1/22

+ sign 139133.518 ± 0.055 χ^2/NDF : 4579648137.9
 All: 139026.066 ± 0.039 χ^2/NDF : 863596218
 - sign 138915.800 ± 0.056 χ^2/NDF : 4048709335.6

yield_bpm0r03WS_rms vs Slug



Right In: 270.824 ± 0.063 χ^2/NDF : 2030810.5/22

Left Out: 296.464 ± 0.050 χ^2/NDF : 893579.7/24

Right Out: 281.834 ± 0.061 χ^2/NDF : 2308617.1/26

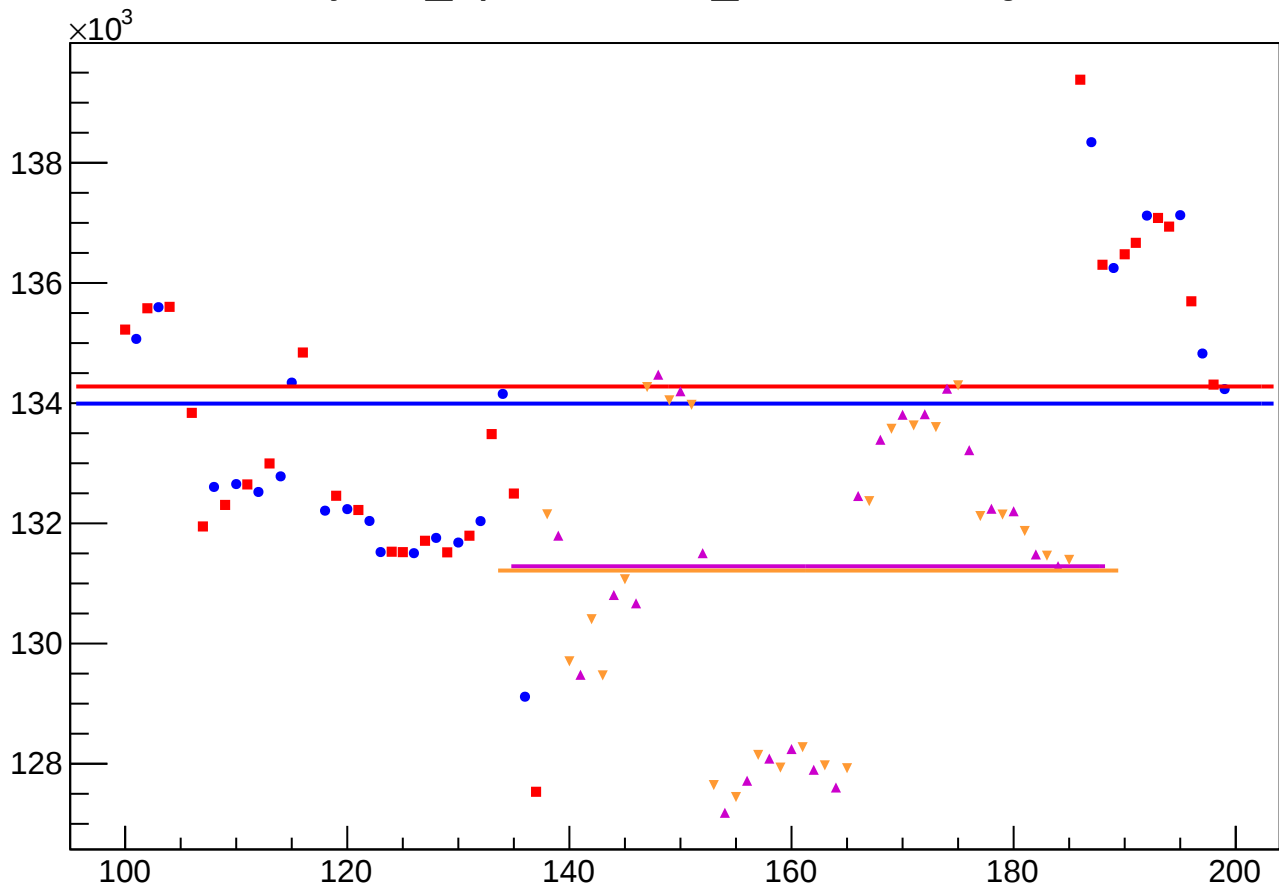
Left In: 297.774 ± 0.052 χ^2/NDF : 1061489.5/22

+ sign 286.537 ± 0.039 χ^2/NDF : 3025807.6/47

All: 288.793 ± 0.028 χ^2/NDF : 6441787.3/97

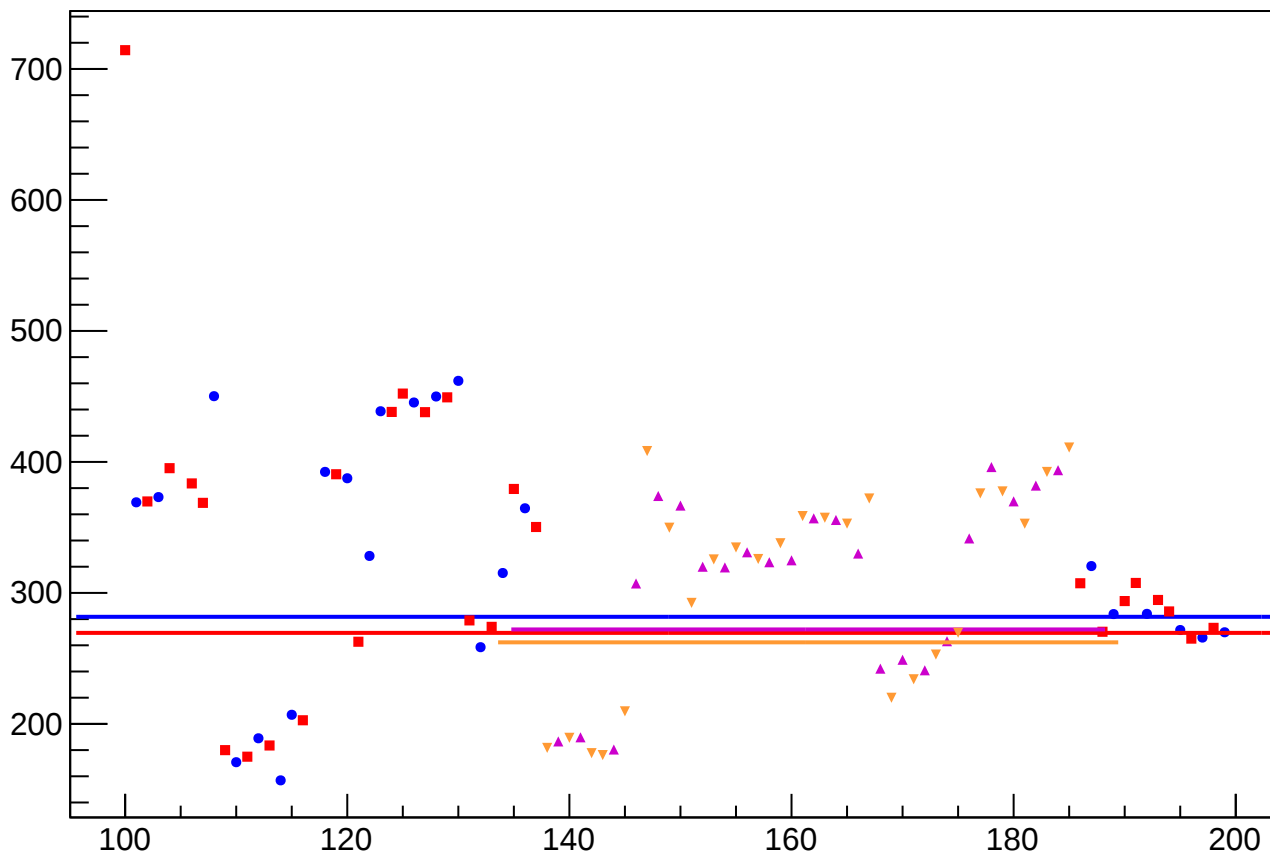
- sign 291.108 ± 0.040 χ^2/NDF : 3409277.1/49

yield_bpm0r05WS_mean vs Slug



Right In: 133992.909 $\pm$ 0.091 χ^2 /NDF: 590598358.2/22
 Left Out: 131214.985 $\pm$ 0.064 χ^2 /NDF: 1173424494.6/24
 Right Out: 134277.653 $\pm$ 0.082 χ^2 /NDF: 676498267.3/26
 Left In: 131285.623 $\pm$ 0.068 χ^2 /NDF: 1056232192.1/22
 + sign 132143.890 $\pm$ 0.052 χ^2 /NDF: 2387835906.0
 All: 132331.217 $\pm$ 0.037 χ^2 /NDF: 493568665
 - sign 132518.060 $\pm$ 0.052 χ^2 /NDF: 2522393462.3/

yield_bpm0r05WS_rms vs Slug



Right In: 281.758 ± 0.064 $\chi^2/\text{NDF}: 1531966.0/22$

Left Out: 262.260 ± 0.045 $\chi^2/\text{NDF}: 2818169.1/24$

Right Out: 269.483 ± 0.058 $\chi^2/\text{NDF}: 1666909.9/26$

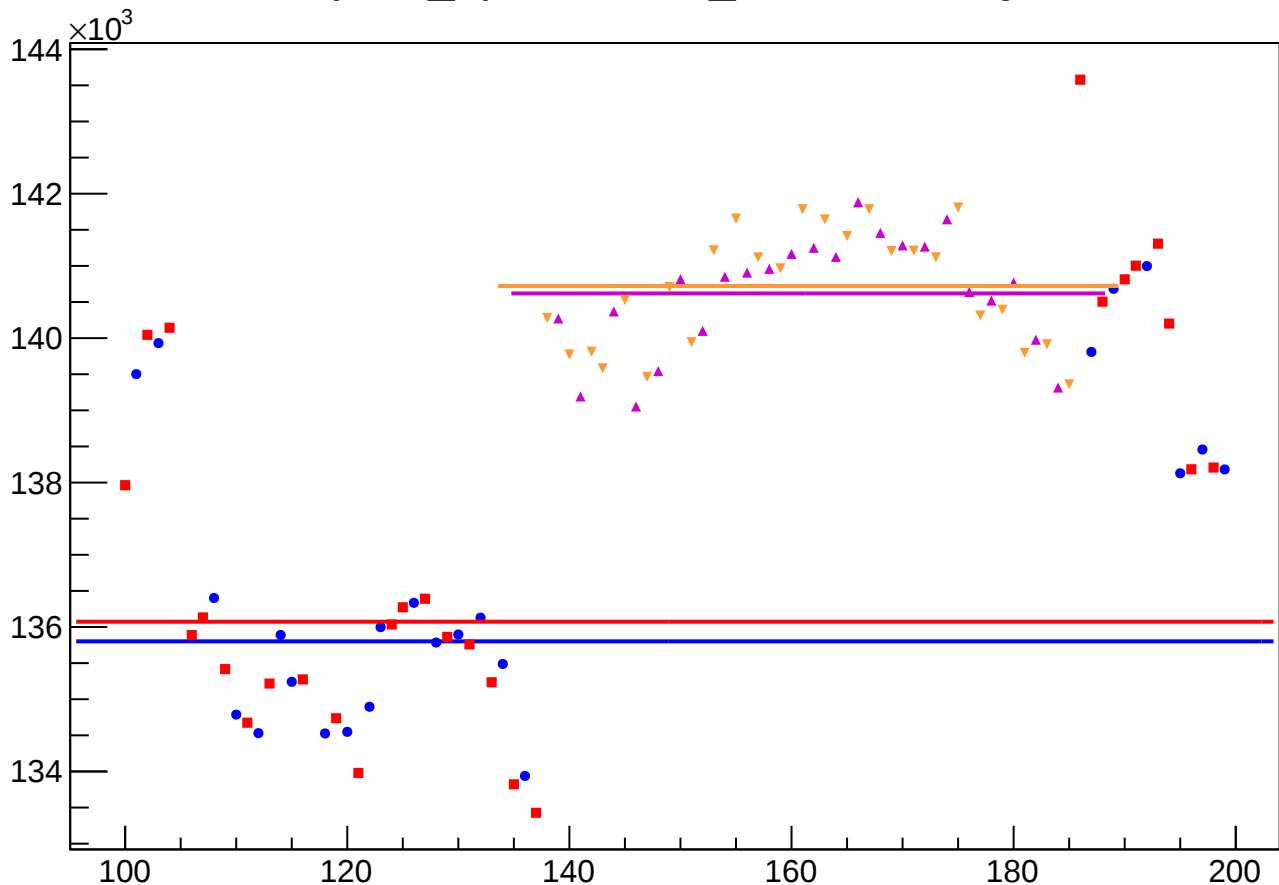
Left In: 272.115 ± 0.048 $\chi^2/\text{NDF}: 2221925.0/22$

+ sign 268.780 ± 0.037 $\chi^2/\text{NDF}: 4411600.3/47$

All: 269.907 ± 0.026 $\chi^2/\text{NDF}: 8303499.9/97$

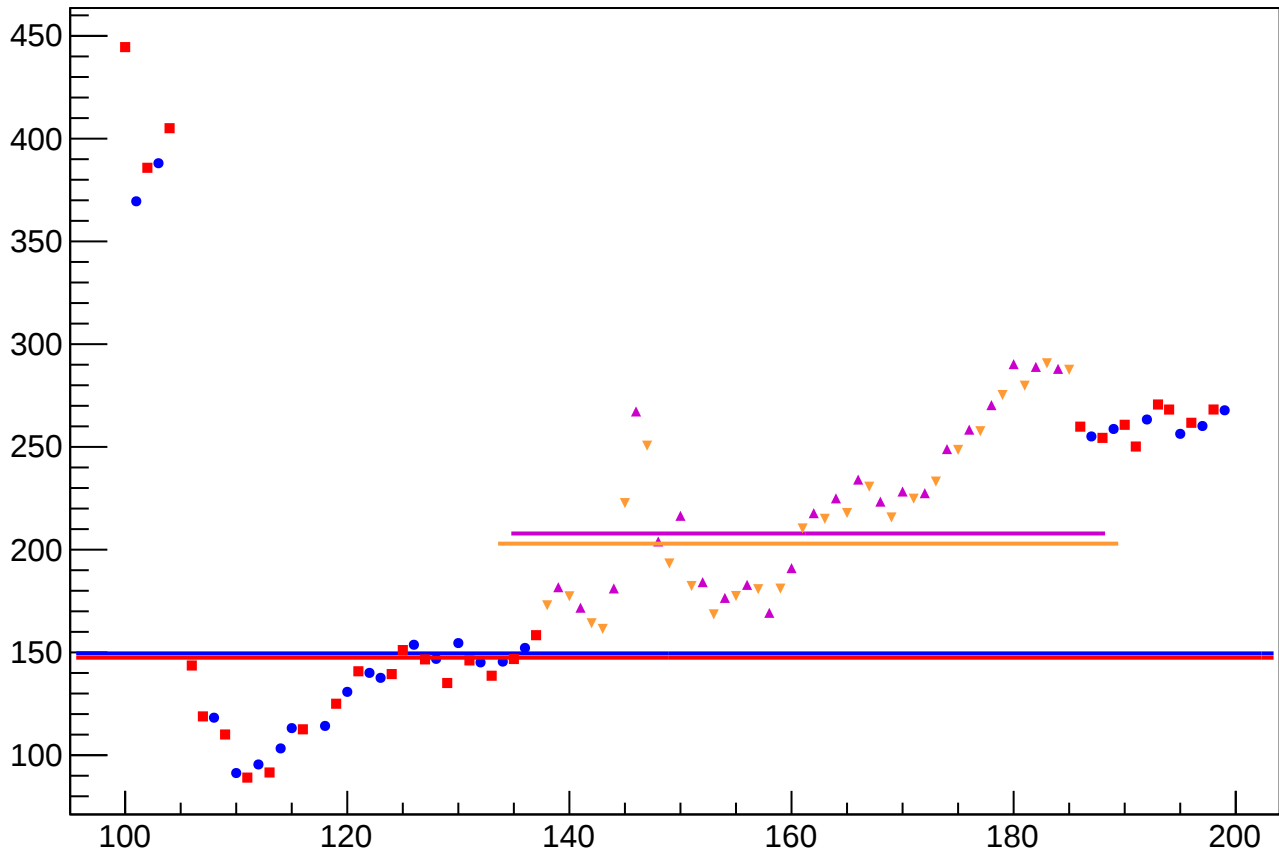
- sign 271.031 ± 0.037 $\chi^2/\text{NDF}: 3890056.6/49$

yield_bpm0i02WS_mean vs Slug



Right In: 135801.285 $\pm$ 0.050 χ^2 /NDF: 1256498171.7/22
 Left Out: 140721.823 $\pm$ 0.048 χ^2 /NDF: 247257762.8/24
 Right Out: 136073.630 $\pm$ 0.047 χ^2 /NDF: 1948661081.1/26
 Left In: 140619.038 $\pm$ 0.051 χ^2 /NDF: 200370178.0/22
 All: 138253.746 $\pm$ 0.025 χ^2 /NDF: 129322422
 + sign 138356.529 $\pm$ 0.035 χ^2 /NDF: 6470701761.8
 - sign 138152.906 $\pm$ 0.035 χ^2 /NDF: 6444340756.6

yield_bpm0i02WS_rms vs Slug



Right In: 149.523+/-0.036 χ^2/NDF : 3056516.3/22

Left Out: 202.934+/-0.034 χ^2/NDF :1052283.6/24

Right Out: 147.431+/-0.033 χ^2/NDF : 3729963.8/26

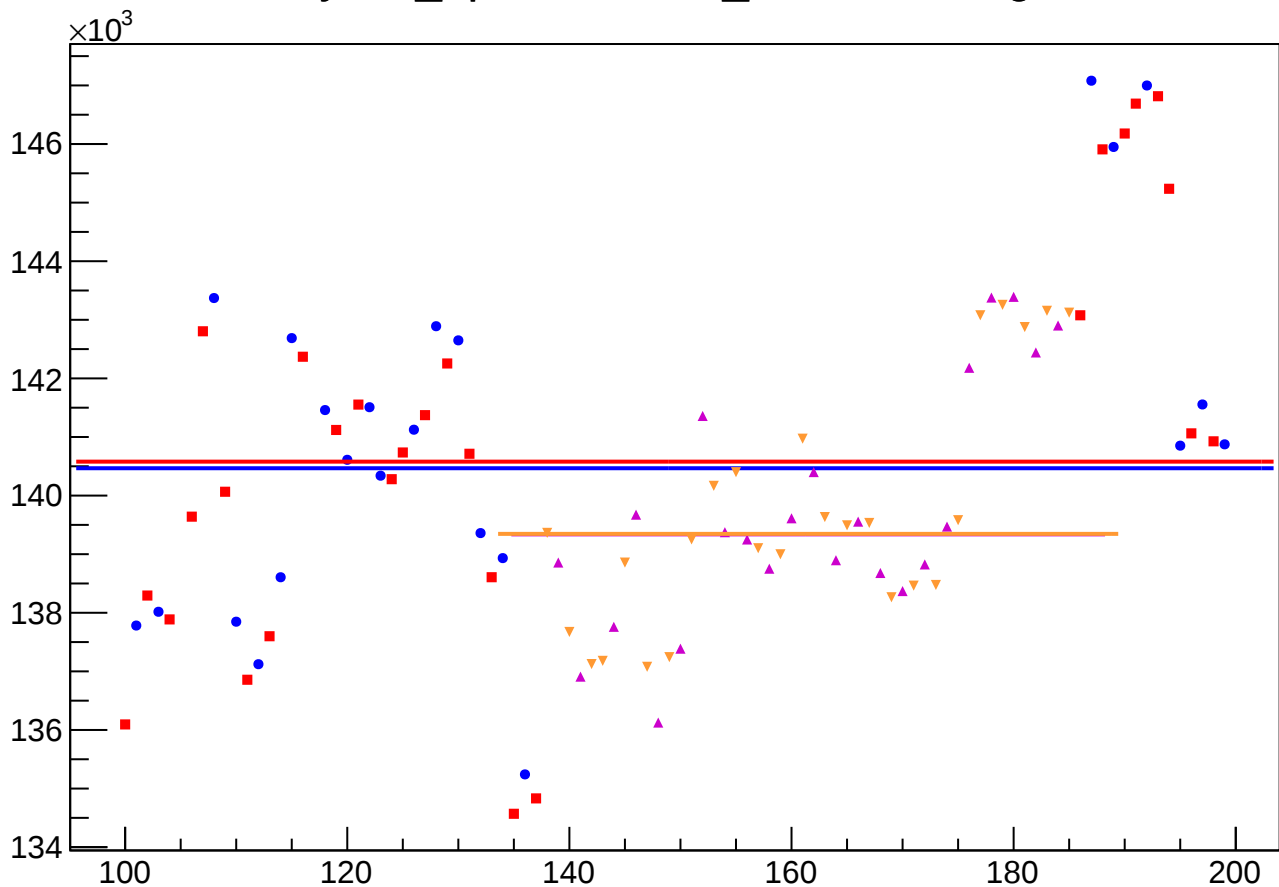
Left In: 207.872+/-0.036 χ^2/NDF :949200.3/22

+ sign 177.260+/-0.025 χ^2/NDF : 5279251.1/47

All: 176.159+/-0.017 χ^2/NDF : 11481292.3/97

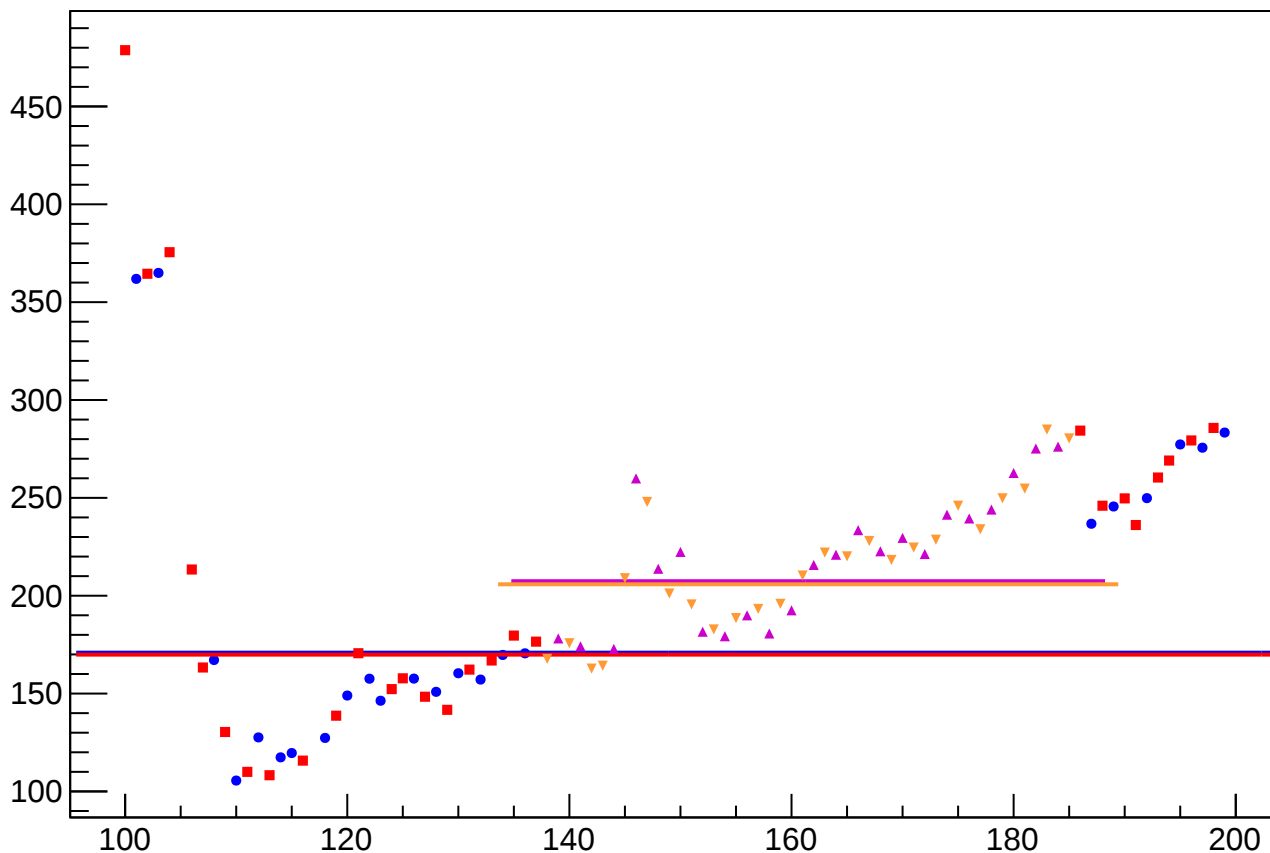
- sign 175.079+/-0.024 χ^2/NDF : 6198098.0/49

yield_bpm0i02aWS_mean vs Slug



Right In: 140466.710 $\pm$ 0.056 χ^2 /NDF: 2769049107.2/22
 Left Out: 139346.604 $\pm$ 0.049 χ^2 /NDF: 1271172976.7/24
 Right Out: 140579.517 $\pm$ 0.053 χ^2 /NDF: 3211032799.6/26
 Left In: 139337.874 $\pm$ 0.051 χ^2 /NDF: 1293003954.9/22
 All: 139882.064 $\pm$ 0.026 χ^2 /NDF: 906023730
 + sign 139828.922 $\pm$ 0.037 χ^2 /NDF: 4265551871.5
 - sign 139934.341 $\pm$ 0.037 χ^2 /NDF: 4790581862.4

yield_bpm0i02aWS_rms vs Slug



Right In: 170.893+/-0.040 χ^2/NDF : 2269820.9/22

Left Out: 205.833+/-0.035 χ^2/NDF : 738666.4/24

Right Out: 169.907+/-0.037 χ^2/NDF : 2815287.0/26

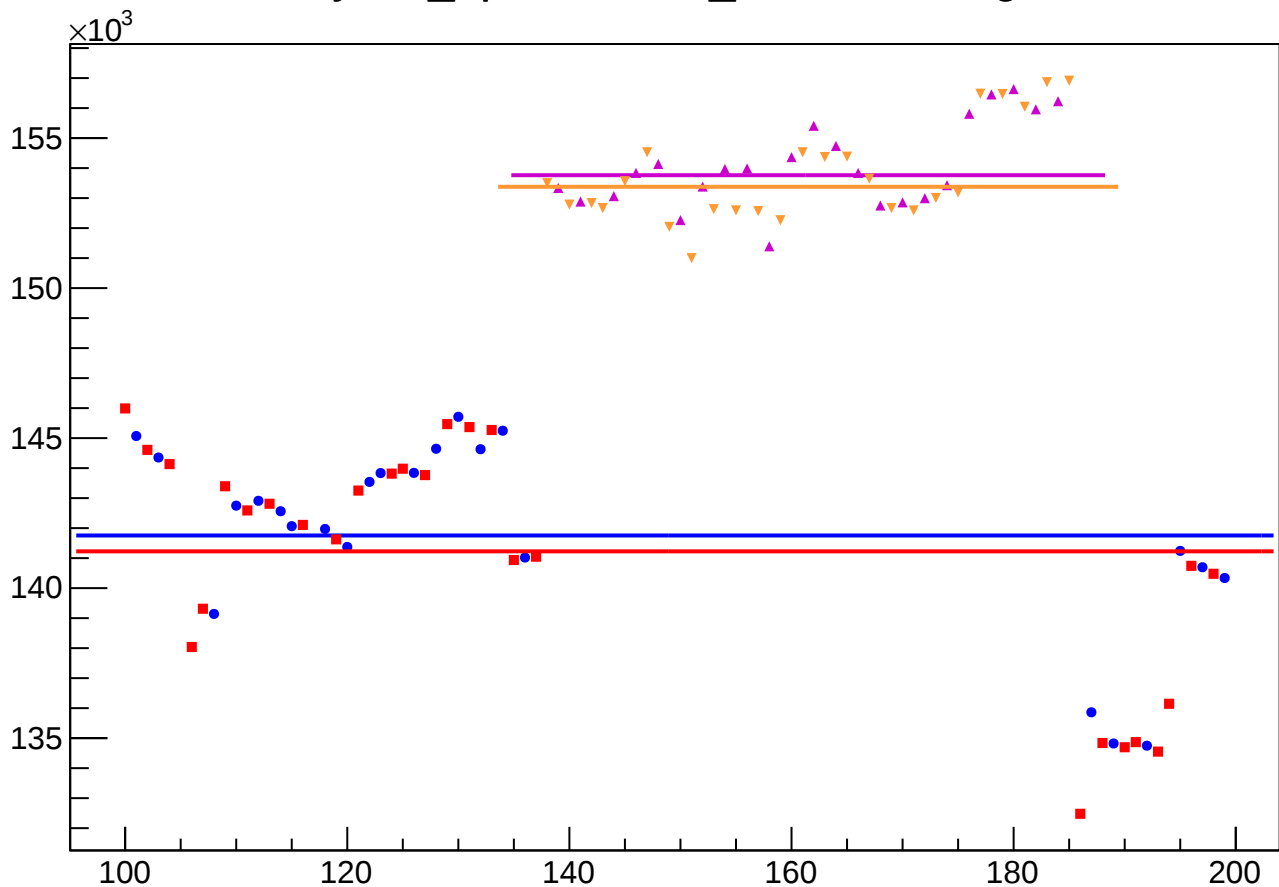
Left In: 207.416+/-0.036 χ^2/NDF : 701955.3/22

+ sign 190.788+/-0.026 χ^2/NDF : 3446983.5/47

All: 190.087+/-0.018 χ^2/NDF : 7488659.1/97

- sign 189.397+/-0.026 χ^2/NDF : 4040247.8/49

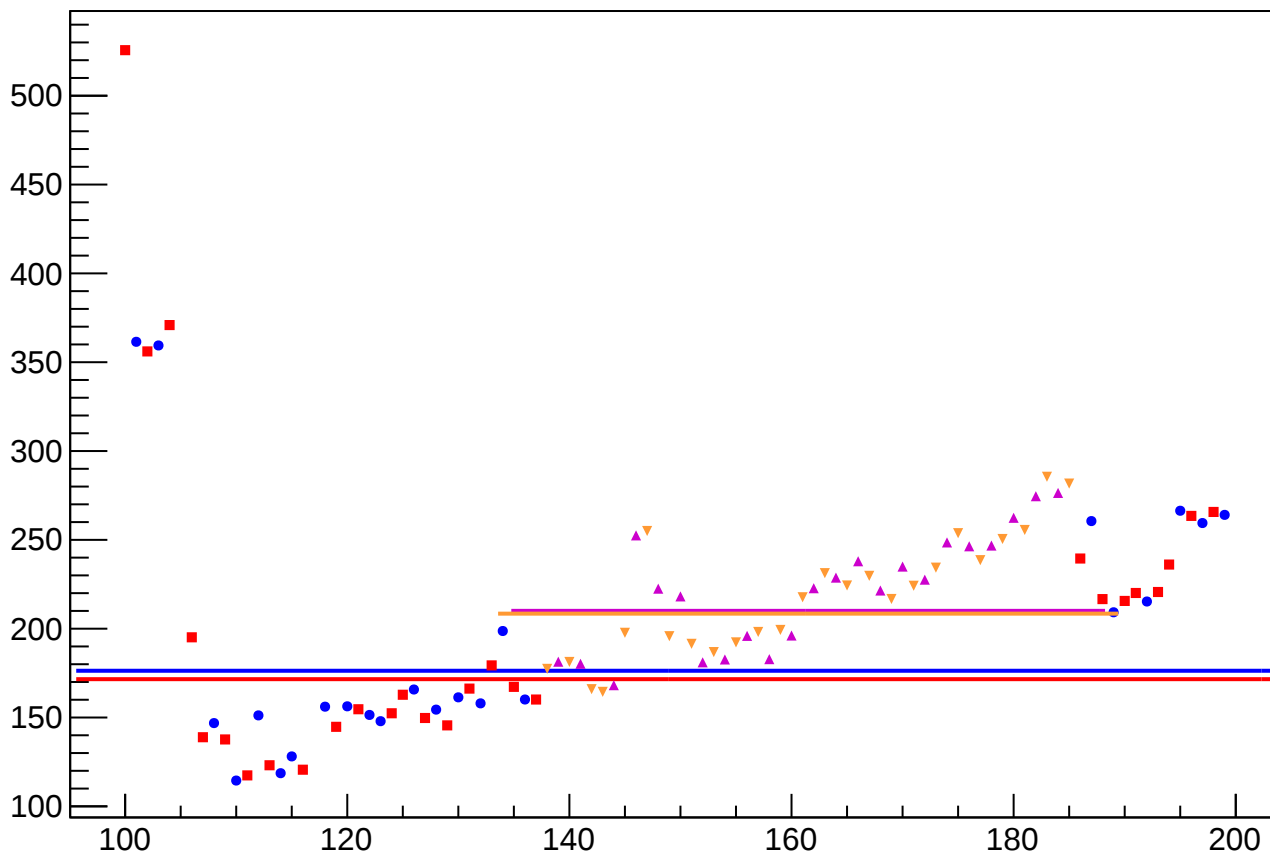
yield_bpm0i05WS_mean vs Slug



Right In: 141754.954 $\pm$ 0.057 χ^2 /NDF: 2619603538.3/22
 Left Out: 153376.698 $\pm$ 0.050 χ^2 /NDF: 803848095.1/24
 Right Out: 141226.584 $\pm$ 0.052 χ^2 /NDF: 4397171073.3/26
 Left In: 153762.419 $\pm$ 0.051 χ^2 /NDF: 635075685.0/22

+ sign 148398.290 $\pm$ 0.037 χ^2 /NDF: 27002355812.
 All: 147997.942 $\pm$ 0.026 χ^2 /NDF: 613840054.
 - sign 147613.079 $\pm$ 0.037 χ^2 /NDF: 34157534086.0

yield_bpm0i05WS_rms vs Slug



Right In: 176.321+/-0.040 χ^2/NDF : 1677558.0/22

Left Out: 208.466+/-0.035 χ^2/NDF : 720894.7/24

Right Out: 171.584+/-0.037 χ^2/NDF : 2007292.7/26

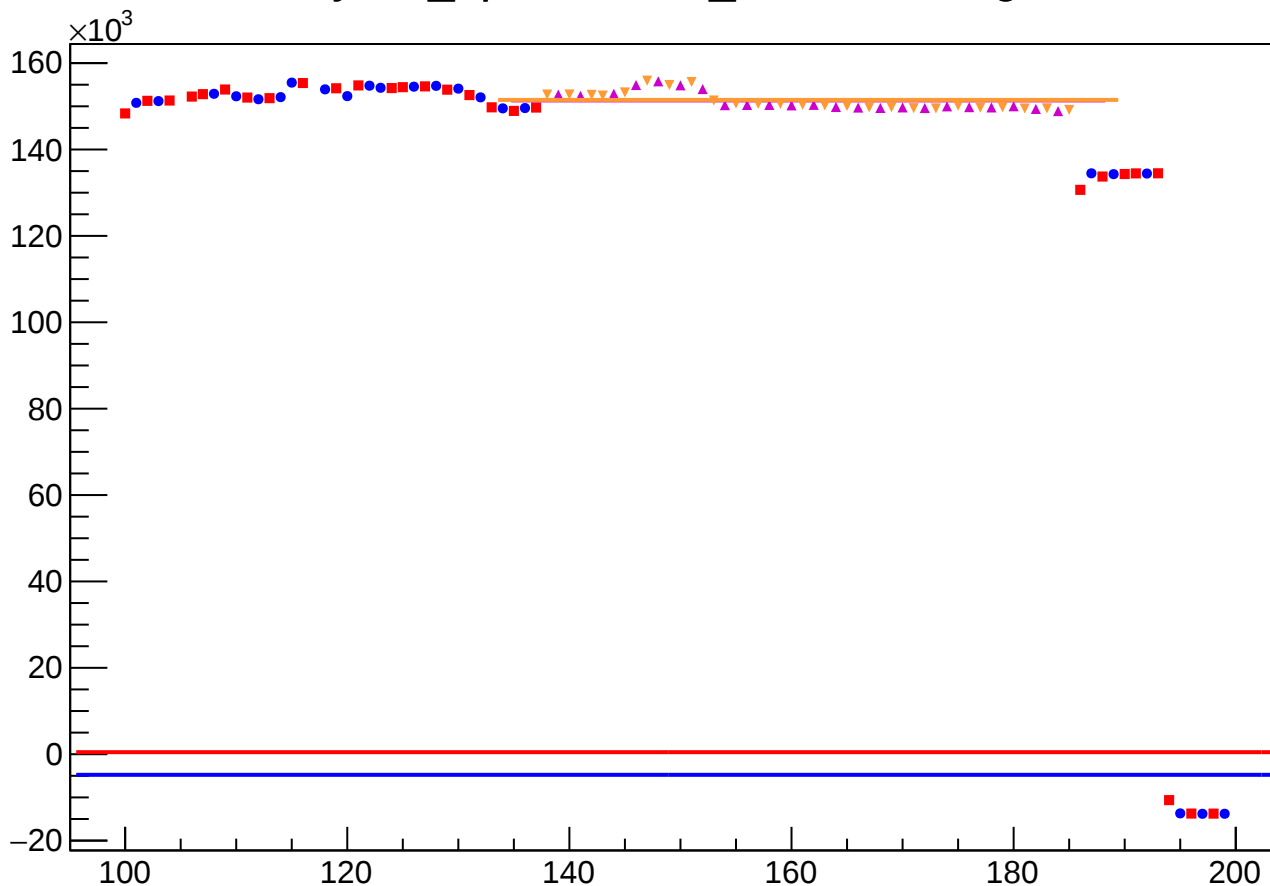
Left In: 210.038+/-0.036 χ^2/NDF : 702369.5/22

+ sign 194.696+/-0.026 χ^2/NDF : 2759221.7/47

All: 192.901+/-0.019 χ^2/NDF : 6026020.1/97

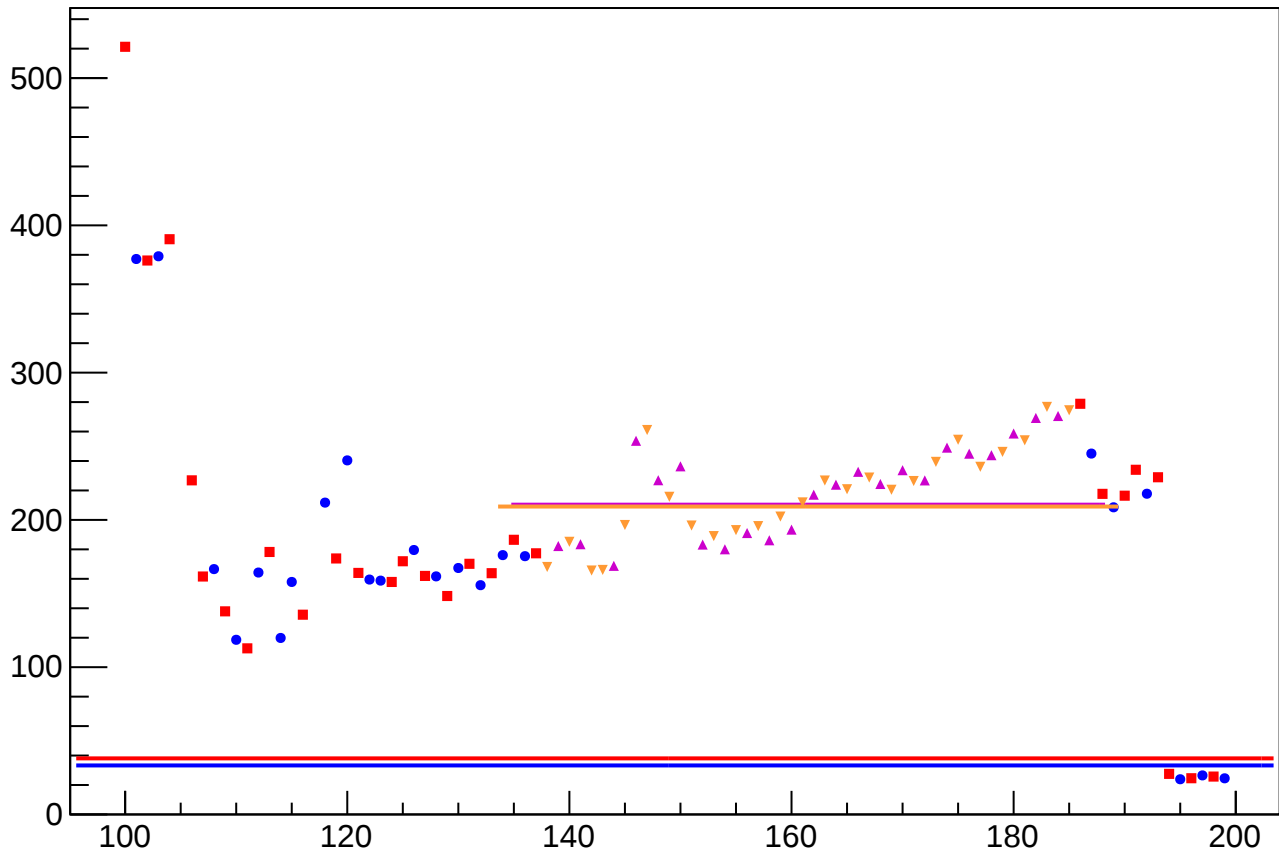
- sign 191.175+/-0.026 χ^2/NDF : 3257783.0/49

yield_bpm0i07WS_mean vs Slug



Right In: -4769.547 ± 0.016 $\chi^2/\text{NDF}: 5683589540822.5/22$
 Left Out: 151483.385 ± 0.050 $\chi^2/\text{NDF}: 1481910066.9/24$
 Right Out: 472.483 ± 0.017 $\chi^2/\text{NDF}: 6726889354911.2/26$
 Left In: 151363.165 ± 0.051 $\chi^2/\text{NDF}: 1421662089.0/22$

yield_bpm0i07WS_rms vs Slug



Right In: 33.282 $\pm$ 0.011 χ^2 /NDF: 11154060.6/22

Left Out: 209.076 $\pm$ 0.035 χ^2 /NDF: 708260.3/24

Right Out: 38.077 $\pm$ 0.012 χ^2 /NDF: 12645750.6/26

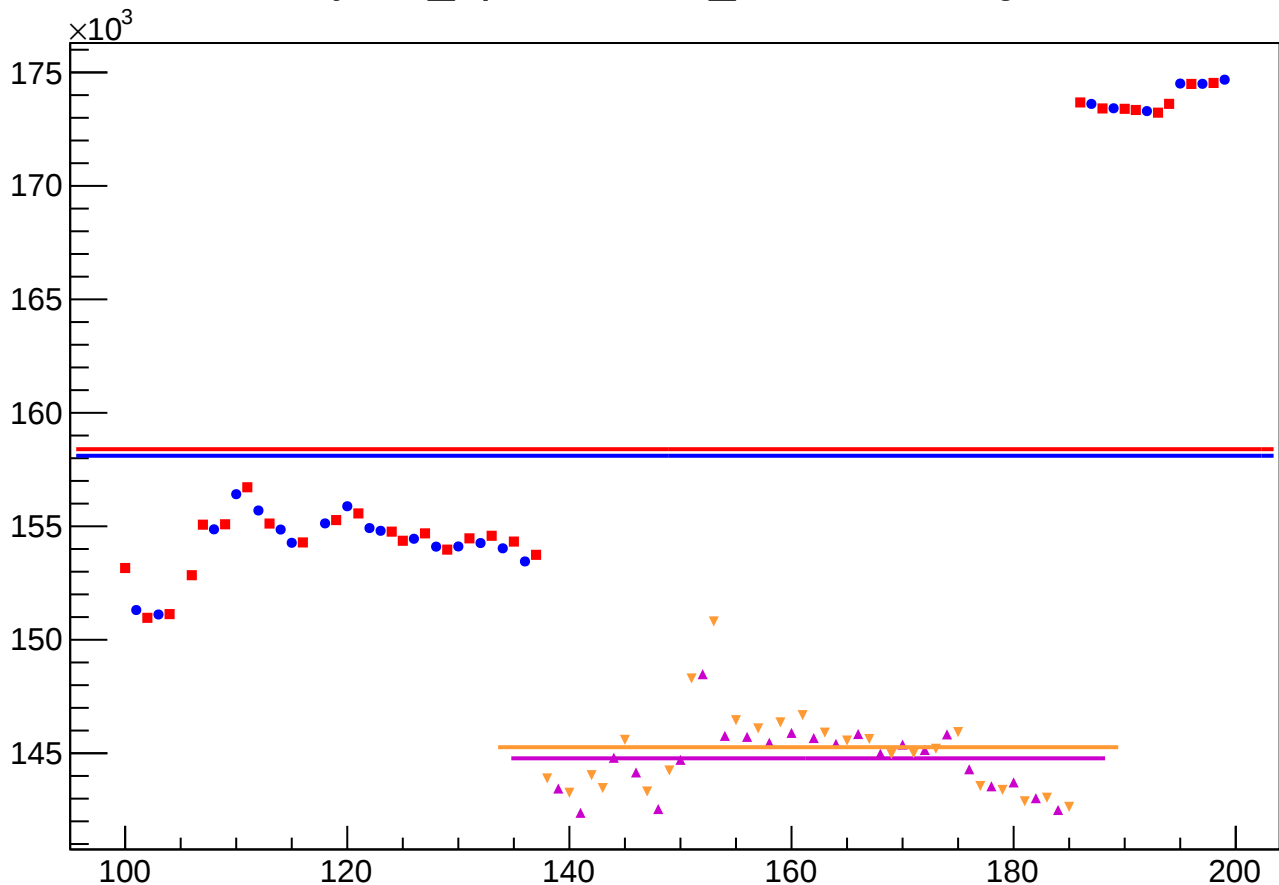
Left In: 210.345 $\pm$ 0.036 χ^2 /NDF: 677747.7/22

+ sign 49.247 $\pm$ 0.011 χ^2 /NDF: 34775551.1/47

All: 52.216 $\pm$ 0.008 χ^2 /NDF: 68421834.5/97

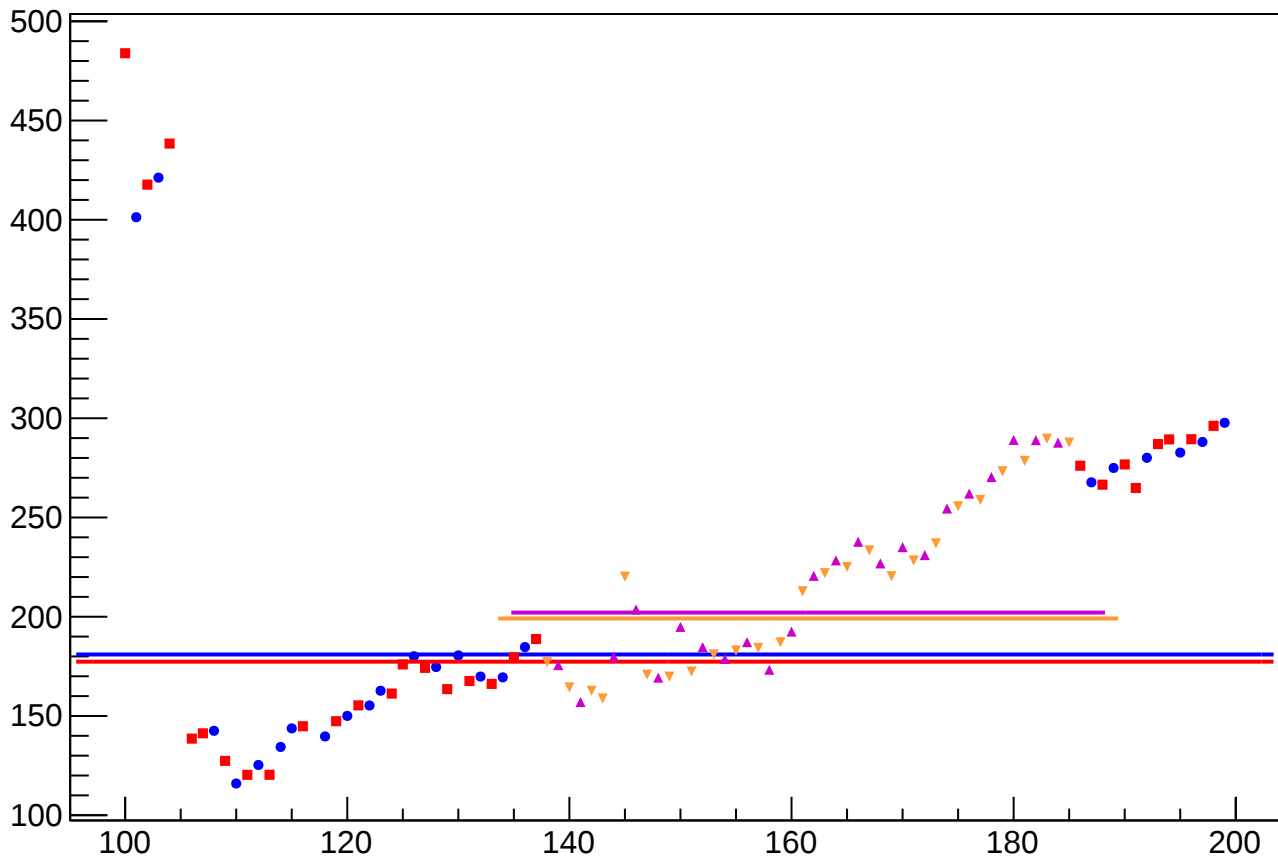
- sign 55.849 $\pm$ 0.012 χ^2 /NDF: 33470240.3/49

yield_bpm1i02WS_mean vs Slug



Right In: 158108.369 $\pm$ 0.060 χ^2 /NDF: 15236064994.0/22
 Left Out: 145266.717 $\pm$ 0.047 χ^2 /NDF: 1717707352.7/24
 Right Out: 158398.137 $\pm$ 0.055 χ^2 /NDF: 18566526431.5/26
 Left In: 144776.016 $\pm$ 0.050 χ^2 /NDF: 918120275.4/22
 + sign 150244.787 $\pm$ 0.037 χ^2 /NDF: 45414157117.7
 All: 150574.490 $\pm$ 0.026 χ^2 /NDF: 990120313.5
 - sign 150898.628 $\pm$ 0.037 χ^2 /NDF: 53441143109.5

yield_bpm1i02WS_rms vs Slug



Right In: 180.981 ± 0.042 $\chi^2/\text{NDF}: 2392227.1/22$

Left Out: 199.118 ± 0.034 $\chi^2/\text{NDF}: 1152231.0/24$

Right Out: 177.359 ± 0.039 $\chi^2/\text{NDF}: 2884634.7/26$

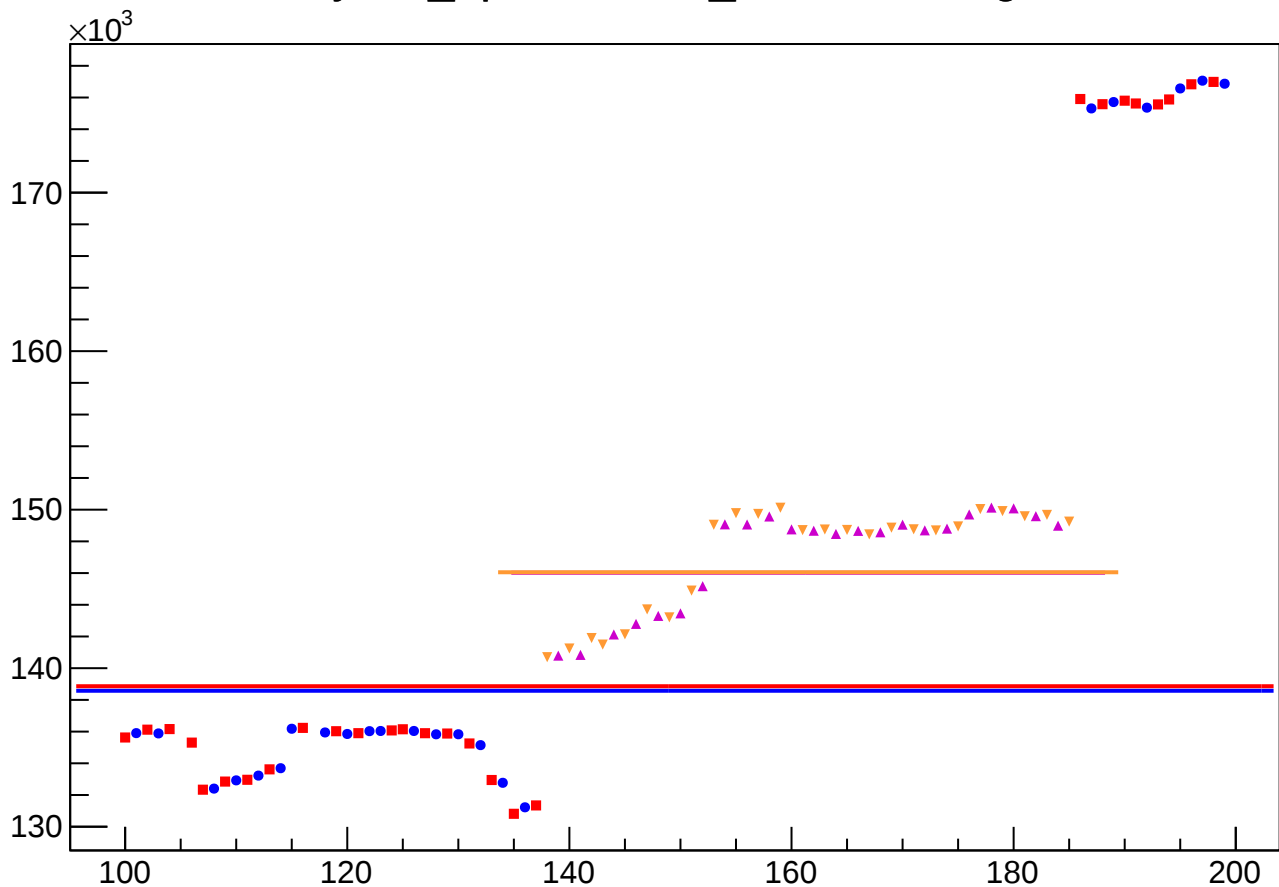
Left In: 202.090 ± 0.035 $\chi^2/\text{NDF}: 1057833.2/22$

+ sign 192.087 ± 0.026 $\chi^2/\text{NDF}: 3658002.4/47$

All: 191.526 ± 0.018 $\chi^2/\text{NDF}: 7825229.2/97$

- sign 190.974 ± 0.026 $\chi^2/\text{NDF}: 4166318.9/49$

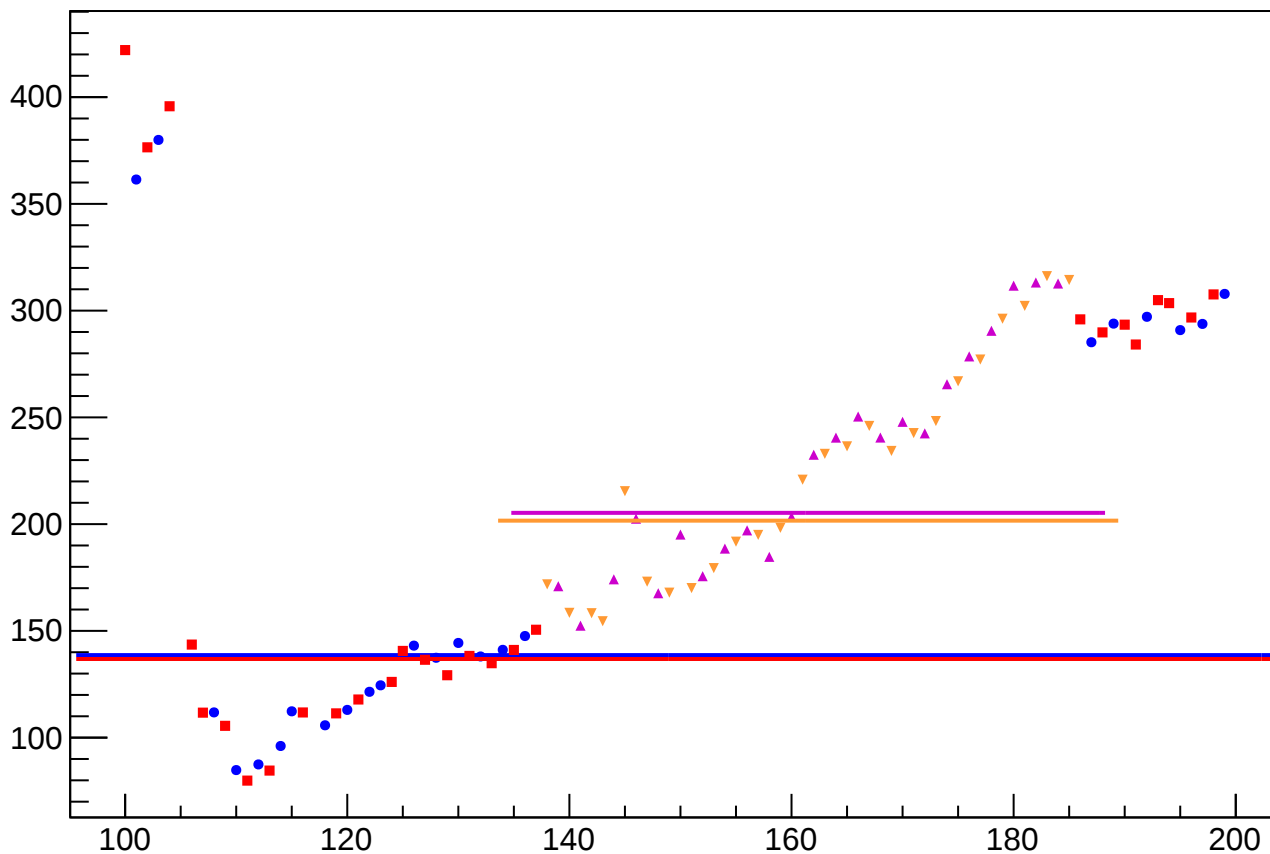
yield_bpm1i04WS_mean vs Slug



Right In: 138576.677 $\pm$ 0.048 χ^2 /NDF: 71920069990.8/22
 Left Out: 146051.733 $\pm$ 0.048 χ^2 /NDF: 5403300123.1/24
 Right Out: 138862.202 $\pm$ 0.045 χ^2 /NDF: 88853575748.1/26
 Left In: 146020.015 $\pm$ 0.051 χ^2 /NDF: 4591425371.4/22

+ sign 142271.878 $\pm$ 0.034 χ^2 /NDF: 89432685672.
 All: 142130.761 $\pm$ 0.024 χ^2 /NDF: 194145149
 - sign 141993.444 $\pm$ 0.034 χ^2 /NDF: 104678398436

yield_bpm1i04WS_rms vs Slug



Right In: 138.657 $\pm$ 0.034 χ^2 /NDF: 3945706.8/22

Left Out: 201.632 $\pm$ 0.034 χ^2 /NDF:1589564.0/24

Right Out: 136.838 $\pm$ 0.032 χ^2 /NDF: 4841694.9/26

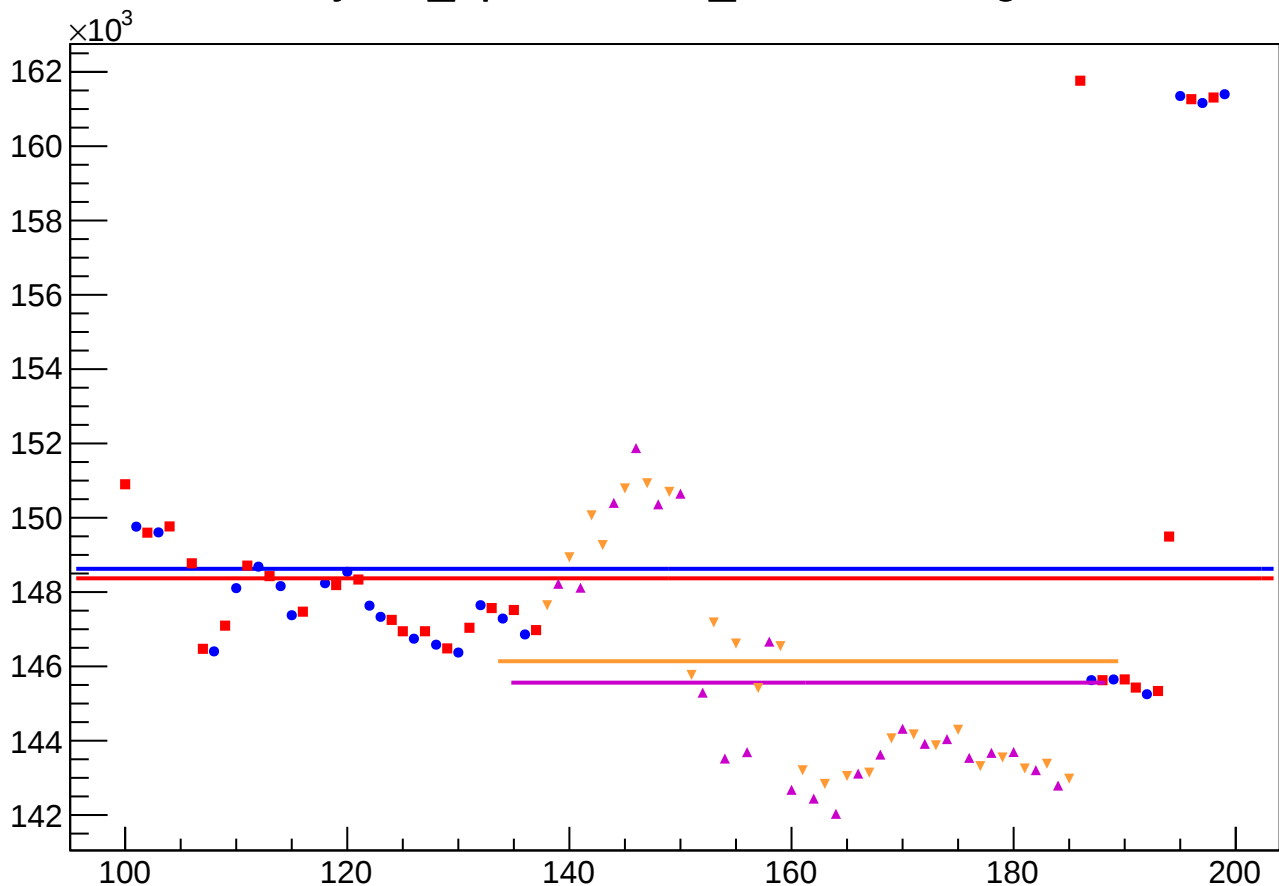
Left In: 205.286 $\pm$ 0.036 χ^2 /NDF:1425292.7/22

+ sign 169.788 $\pm$ 0.024 χ^2 /NDF: 7254161.5/47

All: 168.264 $\pm$ 0.017 χ^2 /NDF: 15583562.5/97

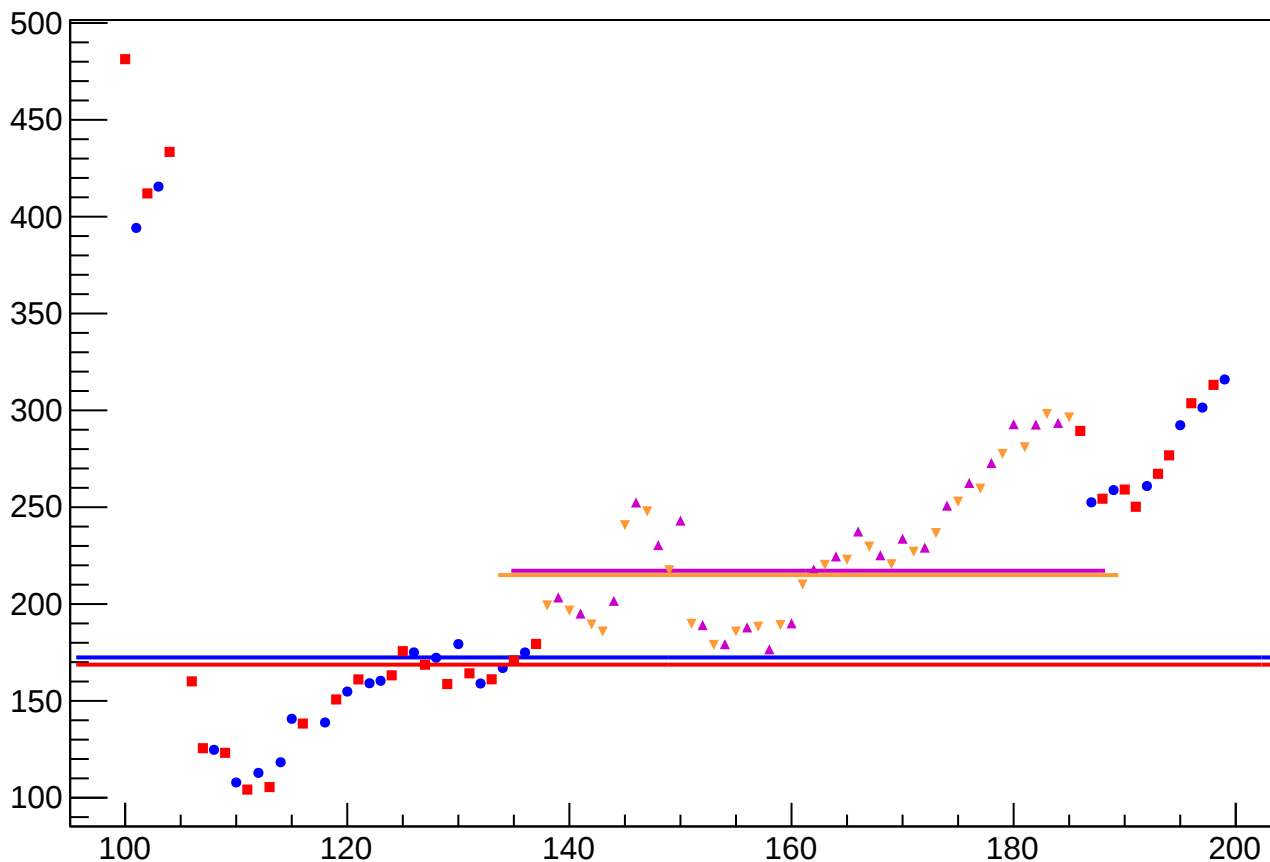
- sign 166.781 $\pm$ 0.024 χ^2 /NDF: 8321458.3/49

yield_bpm1i06WS_mean vs Slug



Right In: 148626.238 $\pm$ 0.057 χ^2 /NDF: 4886513357.1/22
 Left Out: 146139.326 $\pm$ 0.051 χ^2 /NDF: 2699546907.6/24
 Right Out: 148370.060 $\pm$ 0.053 χ^2 /NDF: 4189400170.4/26
 Left In: 145562.386 $\pm$ 0.053 χ^2 /NDF: 3054641996.0/22
 + sign 147235.482 $\pm$ 0.038 χ^2 /NDF: 8638030808.4
 All: 147102.224 $\pm$ 0.027 χ^2 /NDF: 173129207
 - sign 146973.404 $\pm$ 0.037 χ^2 /NDF: 8650790689.3/

yield_bpm1i06WS_rms vs Slug



Right In: 172.439+/-0.041 χ^2/NDF : 2723426.8/22

Left Out: 214.945+/-0.036 χ^2/NDF : 728515.5/24

Right Out: 168.709+/-0.037 χ^2/NDF : 3275295.7/26

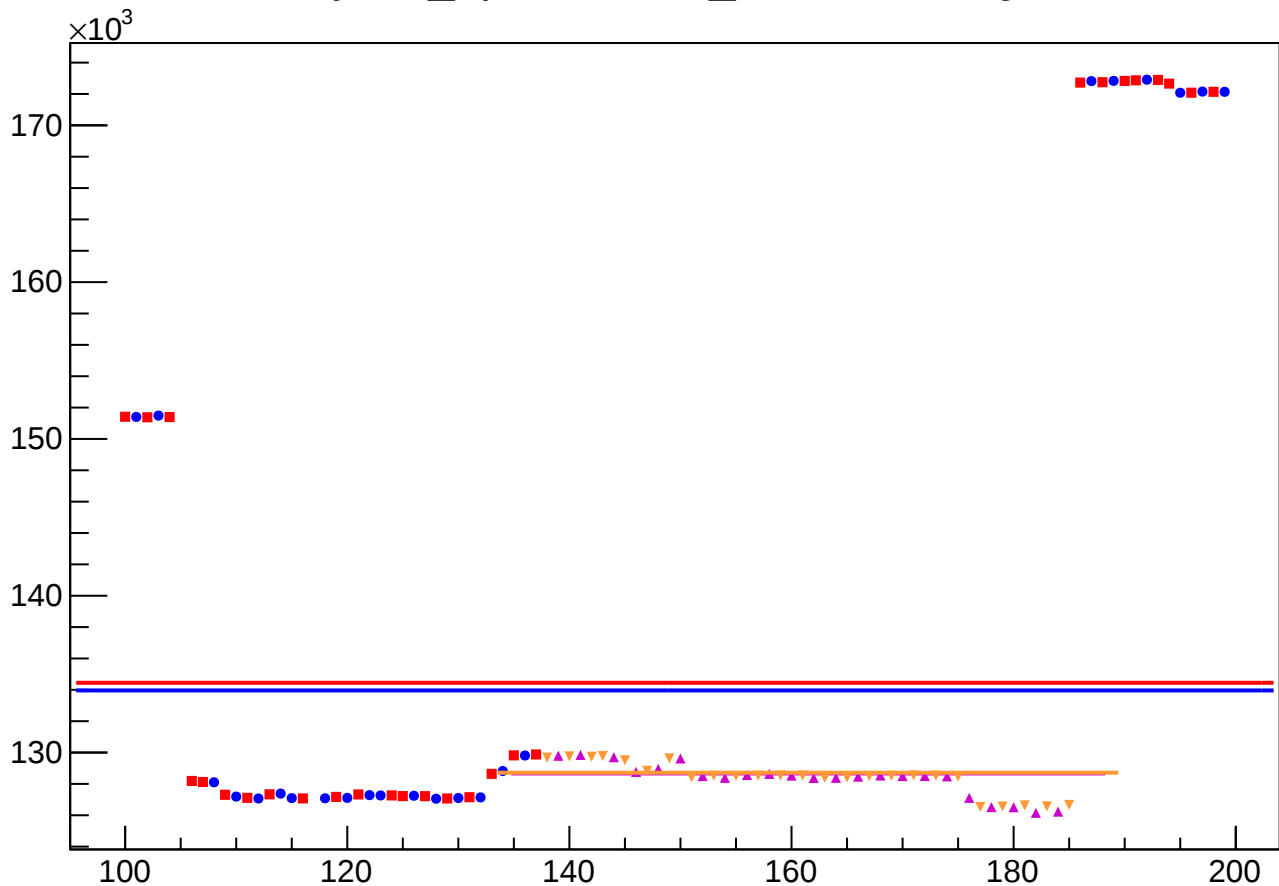
Left In: 217.203+/-0.038 χ^2/NDF : 764798.3/22

+ sign 196.210+/-0.027 χ^2/NDF : 4066575.4/47

All: 194.492+/-0.019 χ^2/NDF : 8954010.5/97

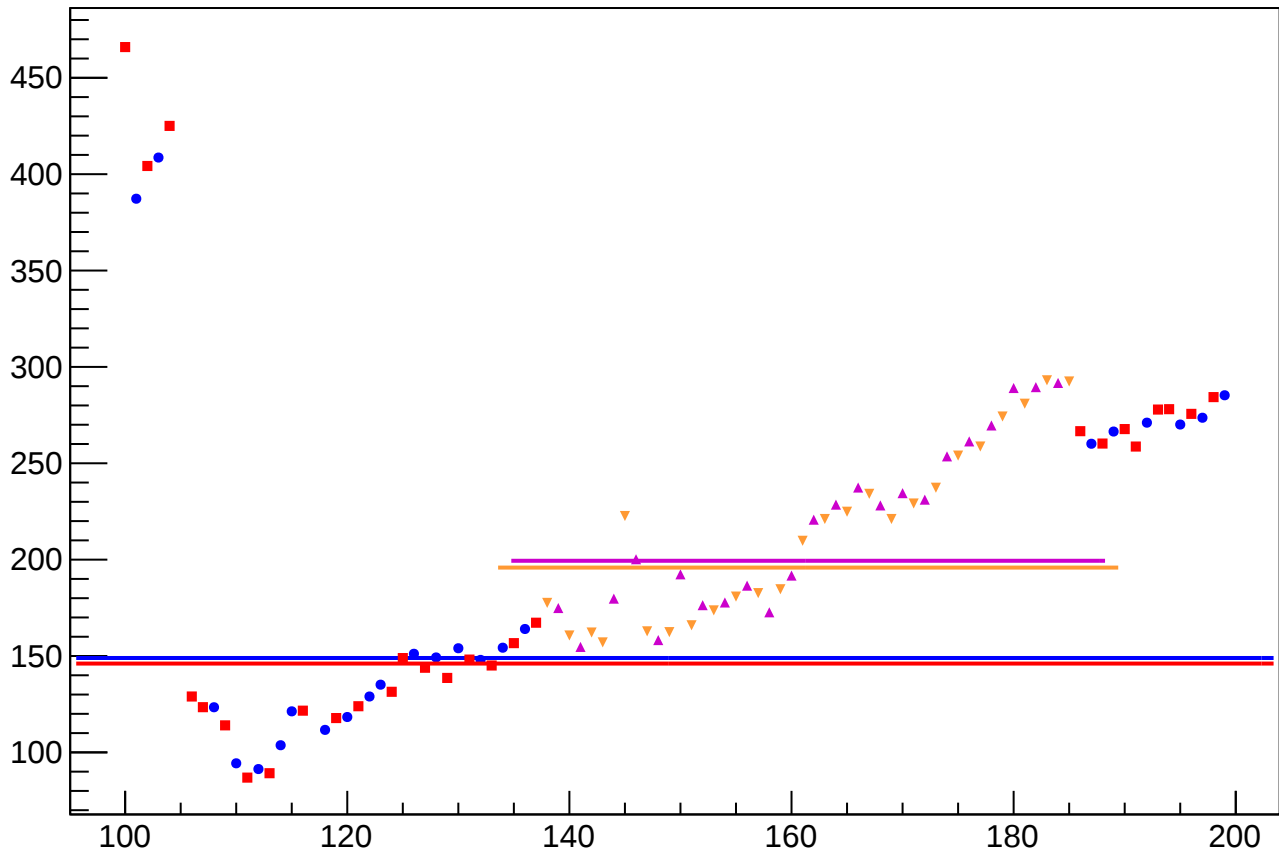
- sign 192.832+/-0.026 χ^2/NDF : 4879430.3/49

yield_bpm2i01WS_mean vs Slug



Right In: 133960.722 $\pm$ 0.050 χ^2 /NDF: 94255015111.2/22
 Left Out: 128714.507 $\pm$ 0.047 χ^2 /NDF: 348178101.1/24
 Right Out: 134448.942 $\pm$ 0.047 χ^2 /NDF: 118376007426.0/26
 Left In: 128667.013 $\pm$ 0.049 χ^2 /NDF: 333059477.6/22
 + sign 131135.205 $\pm$ 0.034 χ^2 /NDF: 100426756827
 All: 131424.225 $\pm$ 0.024 χ^2 /NDF: 226593049
 - sign 131704.579 $\pm$ 0.034 χ^2 /NDF: 126026180099

yield_bpm2i01WS_rms vs Slug



Right In: 148.976 $\pm$ 0.036 χ^2 /NDF: 3362107.6/22

Left Out: 195.883 $\pm$ 0.033 χ^2 /NDF:1313361.5/24

Right Out: 146.081 $\pm$ 0.033 χ^2 /NDF: 4054124.9/26

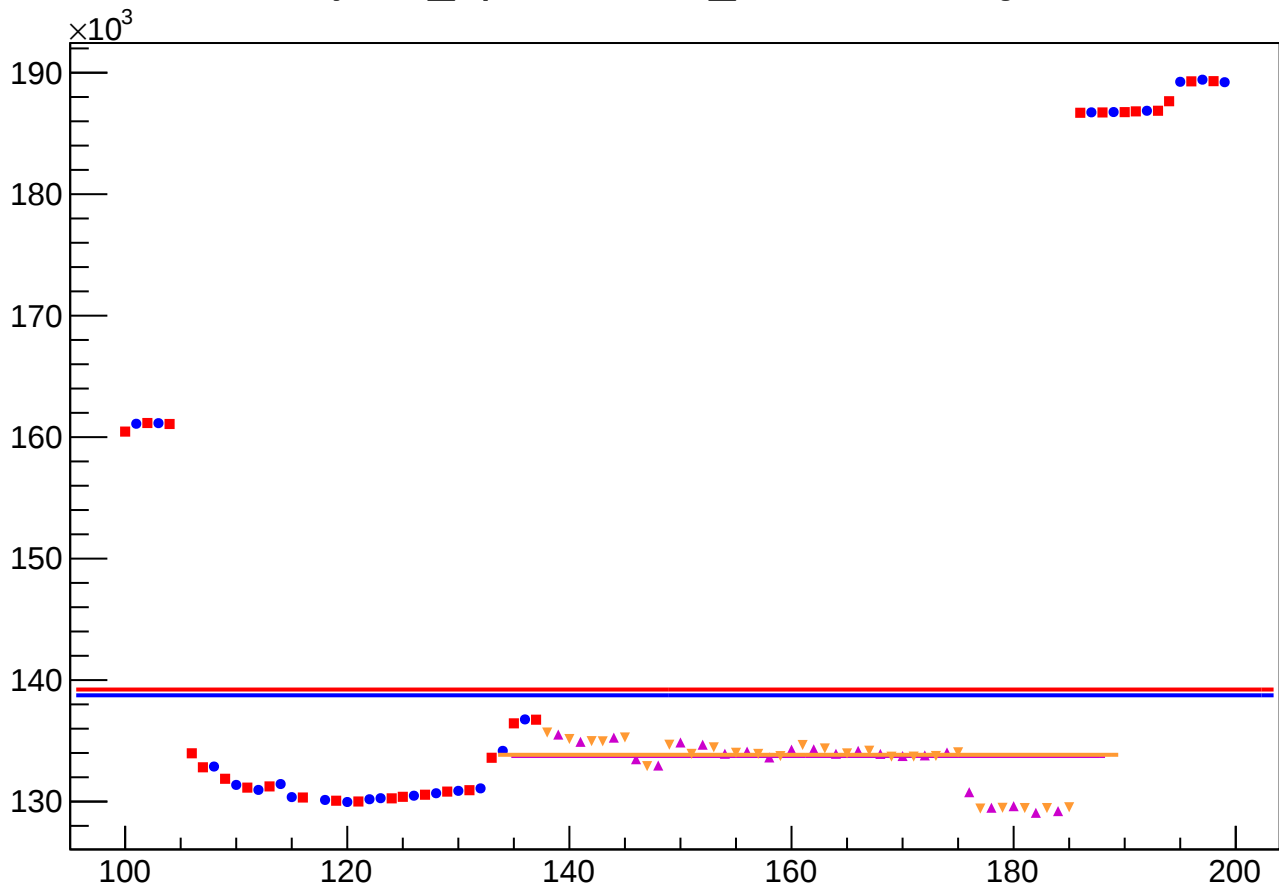
Left In: 199.413 $\pm$ 0.035 χ^2 /NDF:1165698.7/22

+ sign 174.239 $\pm$ 0.024 χ^2 /NDF: 5606590.1/47

All: 172.795 $\pm$ 0.017 χ^2 /NDF: 12078494.6/97

- sign 171.395 $\pm$ 0.024 χ^2 /NDF: 6464914.5/49

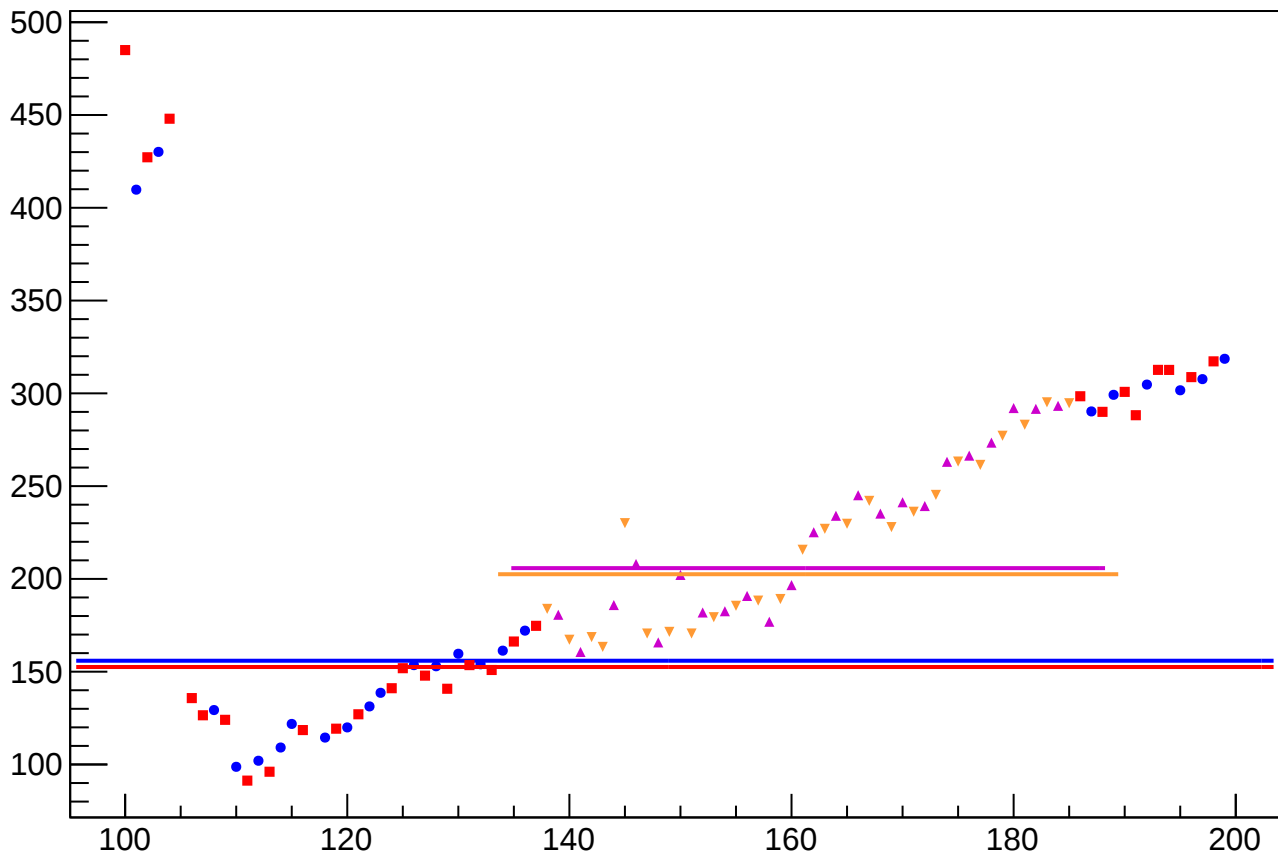
yield_bpm2i02WS_mean vs Slug



Right In: 138746.774 ± 0.053 $\chi^2/\text{NDF}: 123545369628.0/22$
 Left Out: 133850.586 ± 0.048 $\chi^2/\text{NDF}: 1080107831.1/24$
 Right Out: 139223.012 ± 0.049 $\chi^2/\text{NDF}: 150764498453.2/26$
 Left In: 133749.630 ± 0.051 $\chi^2/\text{NDF}: 954069486.7/22$

+ sign 136061.049 ± 0.036 $\chi^2/\text{NDF}: 129279959732$
 All: 136318.333 ± 0.025 $\chi^2/\text{NDF}: 287146214$
 - sign 136568.010 ± 0.035 $\chi^2/\text{NDF}: 157763992745$

yield_bpm2i02WS_rms vs Slug



Right In: 155.904 $\pm$ 0.038 χ^2 /NDF: 3591632.8/22

Left Out: 202.527 $\pm$ 0.034 χ^2 /NDF:1211991.5/24

Right Out: 152.523 $\pm$ 0.035 χ^2 /NDF: 4378476.8/26

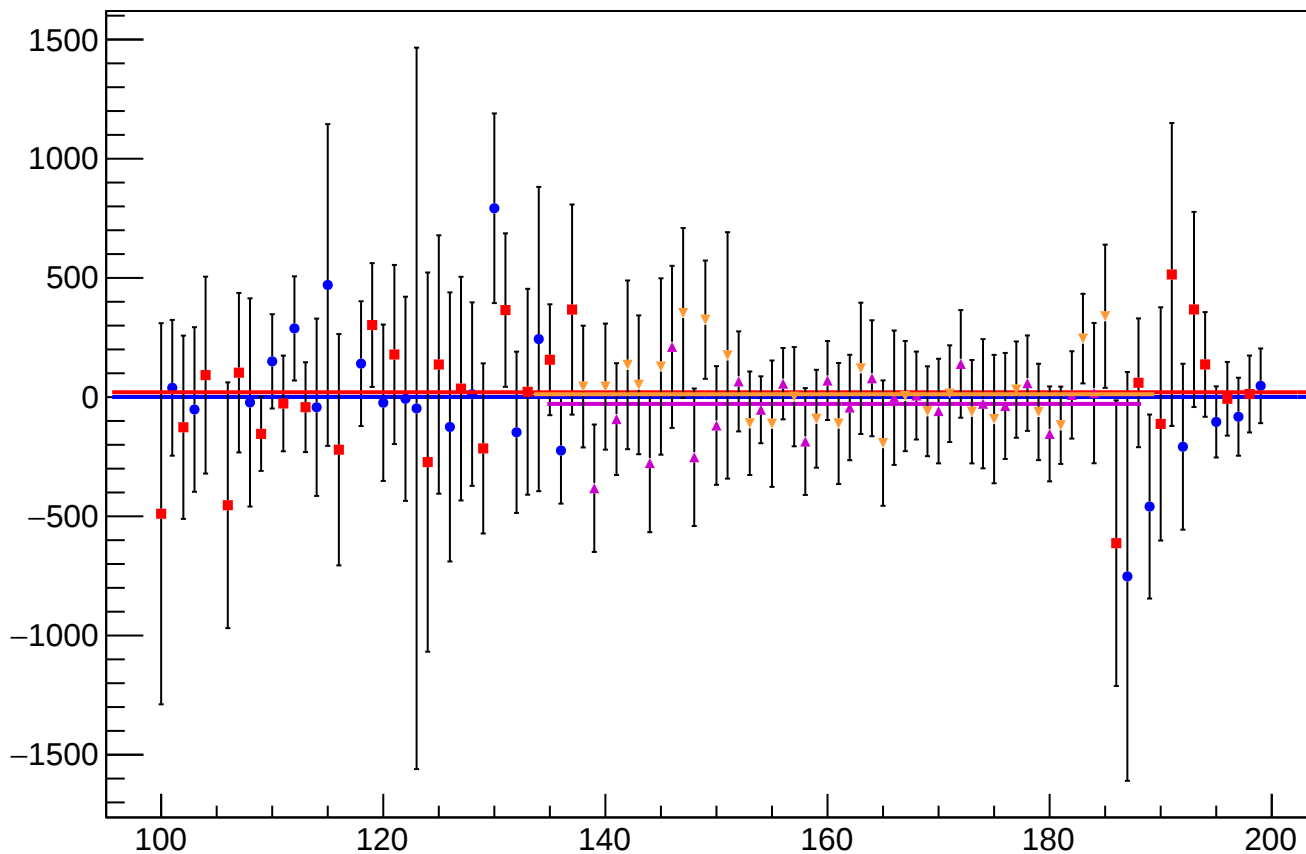
Left In: 205.808 $\pm$ 0.036 χ^2 /NDF:1094330.7/22

+ sign 181.478 $\pm$ 0.025 χ^2 /NDF: 5647729.3/47

All: 179.901 $\pm$ 0.018 χ^2 /NDF: 12274163.0/97

- sign 178.370 $\pm$ 0.025 χ^2 /NDF: 6618744.9/49

asym_bcm_an_ds_mean vs Slug



Right In: 0.515 ± 57.856 χ^2/NDF : 11.9/22

Left Out: 12.180 ± 47.531 χ^2/NDF : 8.6/24

Right Out: 20.417 ± 54.731 χ^2/NDF : 10.1/26

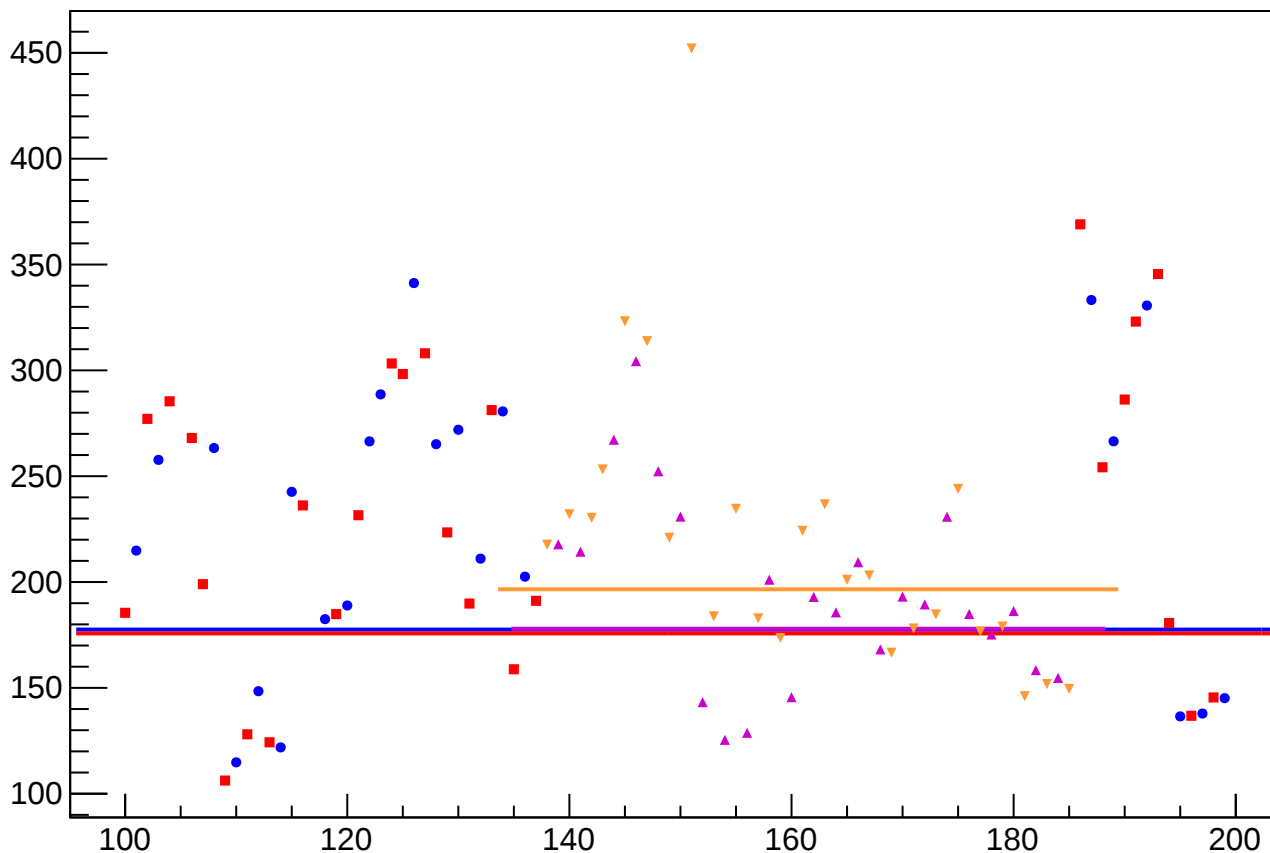
Left In: -28.452 ± 44.688 χ^2/NDF : 6.7/22

+ sign 7.480 ± 36.726 χ^2/NDF : 20.5/47

All: -1.197 ± 25.190 χ^2/NDF : 37.8/97

- sign -8.904 ± 34.615 χ^2/NDF : 17.2/49

asym_bcm_an_ds_rms vs Slug



Right In: 177.533 $\pm$ 0.041 χ^2 /NDF: 2015342.1/22

Left Out: 196.576 $\pm$ 0.034 χ^2 /NDF: 1778719.0/24

Right Out: 175.718 $\pm$ 0.039 χ^2 /NDF: 2709295.4/26

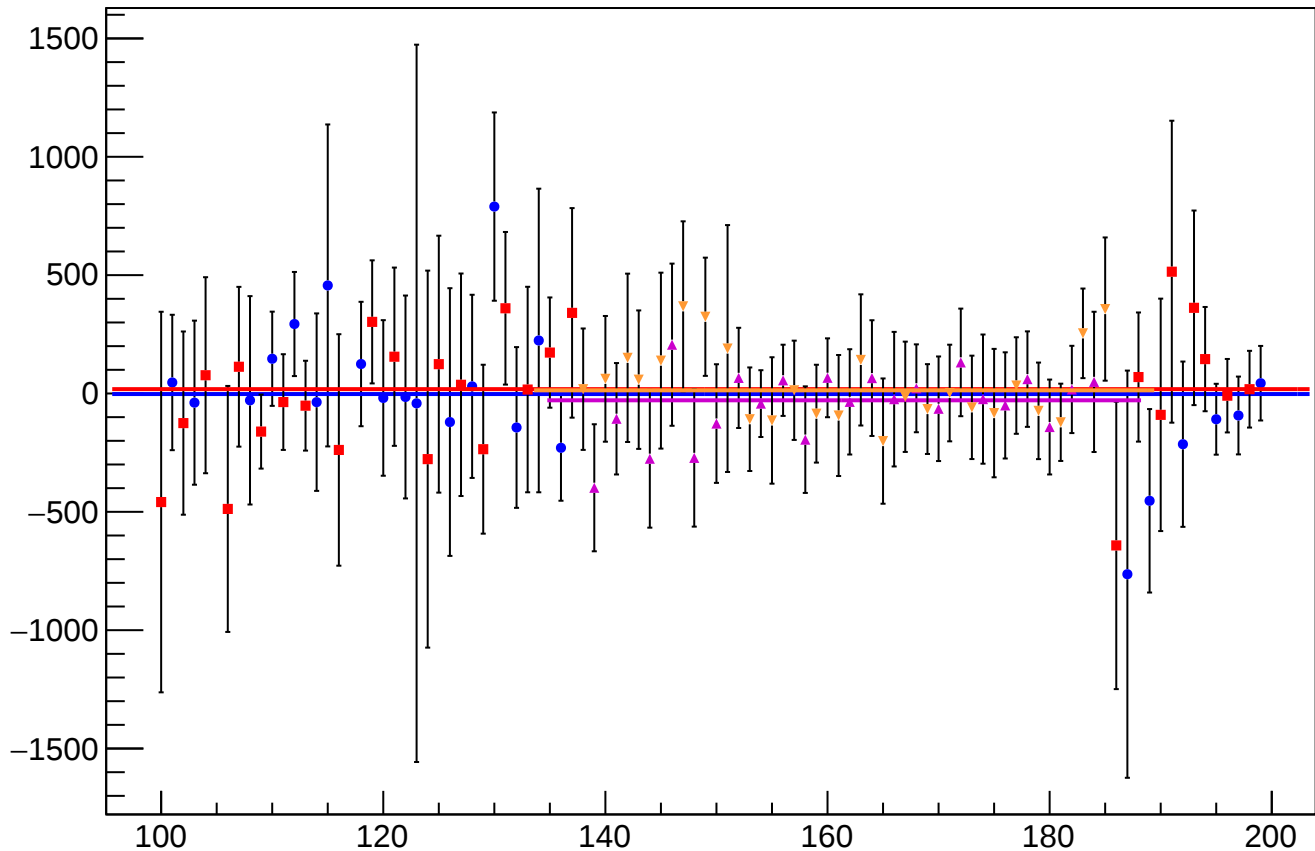
Left In: 177.933 $\pm$ 0.032 χ^2 /NDF: 1605780.8/22

+ sign 188.902 $\pm$ 0.026 χ^2 /NDF: 3923432.2/47

All: 182.624 $\pm$ 0.018 χ^2 /NDF: 8350835.1/97

- sign 177.047 $\pm$ 0.024 χ^2 /NDF: 4317040.9/49

asym_bcm_an_ds3_mean vs Slug



Right In: -2.376 ± 58.136 χ^2/NDF : 11.9/22

Left Out: 13.395 ± 47.862 χ^2/NDF : 9.0/24

Right Out: 18.370 ± 55.019 χ^2/NDF : 10.4/26

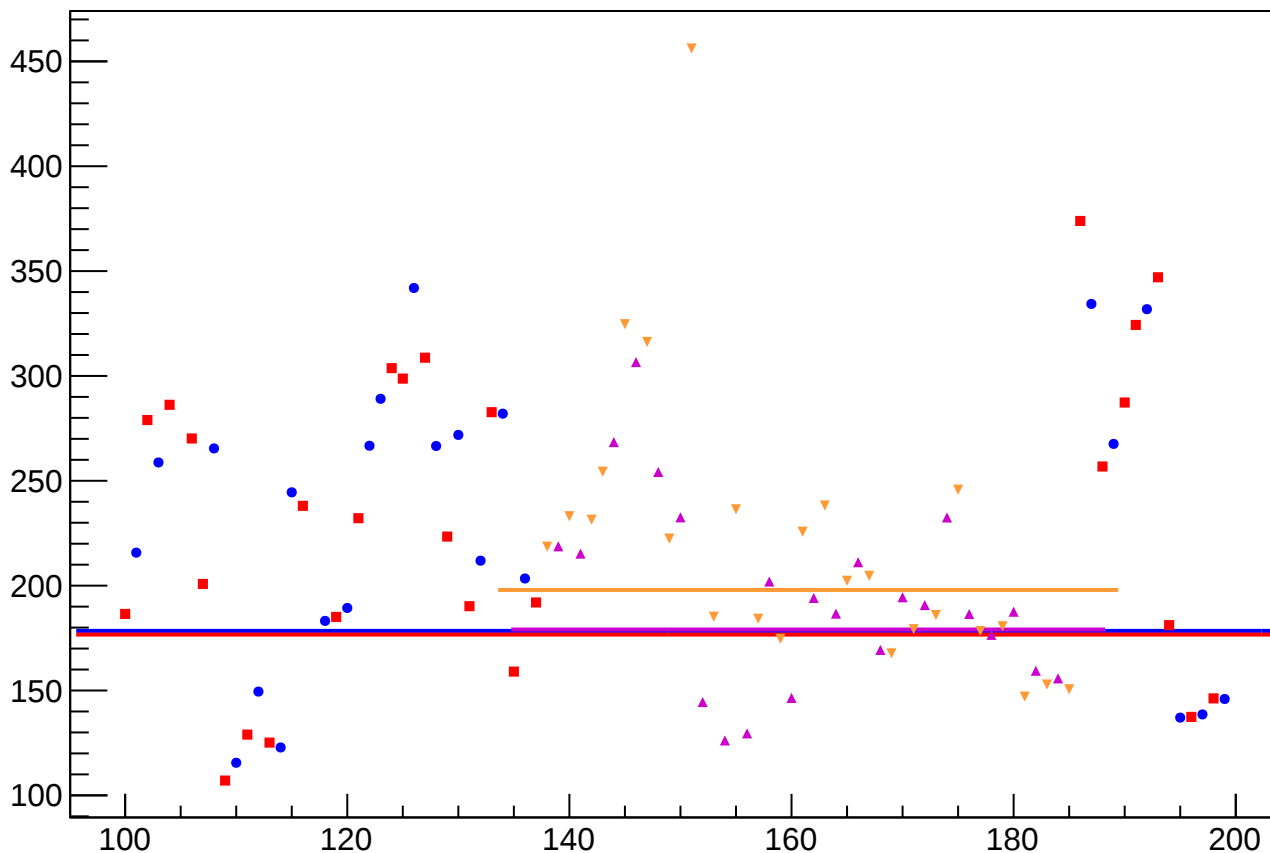
Left In: -28.806 ± 44.980 χ^2/NDF : 6.8/22

+ sign 7.024 ± 36.951 χ^2/NDF : 20.9/47

All: -1.943 ± 25.343 χ^2/NDF : 38.7/97

- sign -9.907 ± 34.823 χ^2/NDF : 17.7/49

asym_bcm_an_ds3_rms vs Slug



Right In: 178.435 $\pm$ 0.041 χ^2 /NDF: 2005887.1/22

Left Out: 197.953 $\pm$ 0.034 χ^2 /NDF:1774524.3/24

Right Out: 176.665 $\pm$ 0.039 χ^2 /NDF: 2703153.2/26

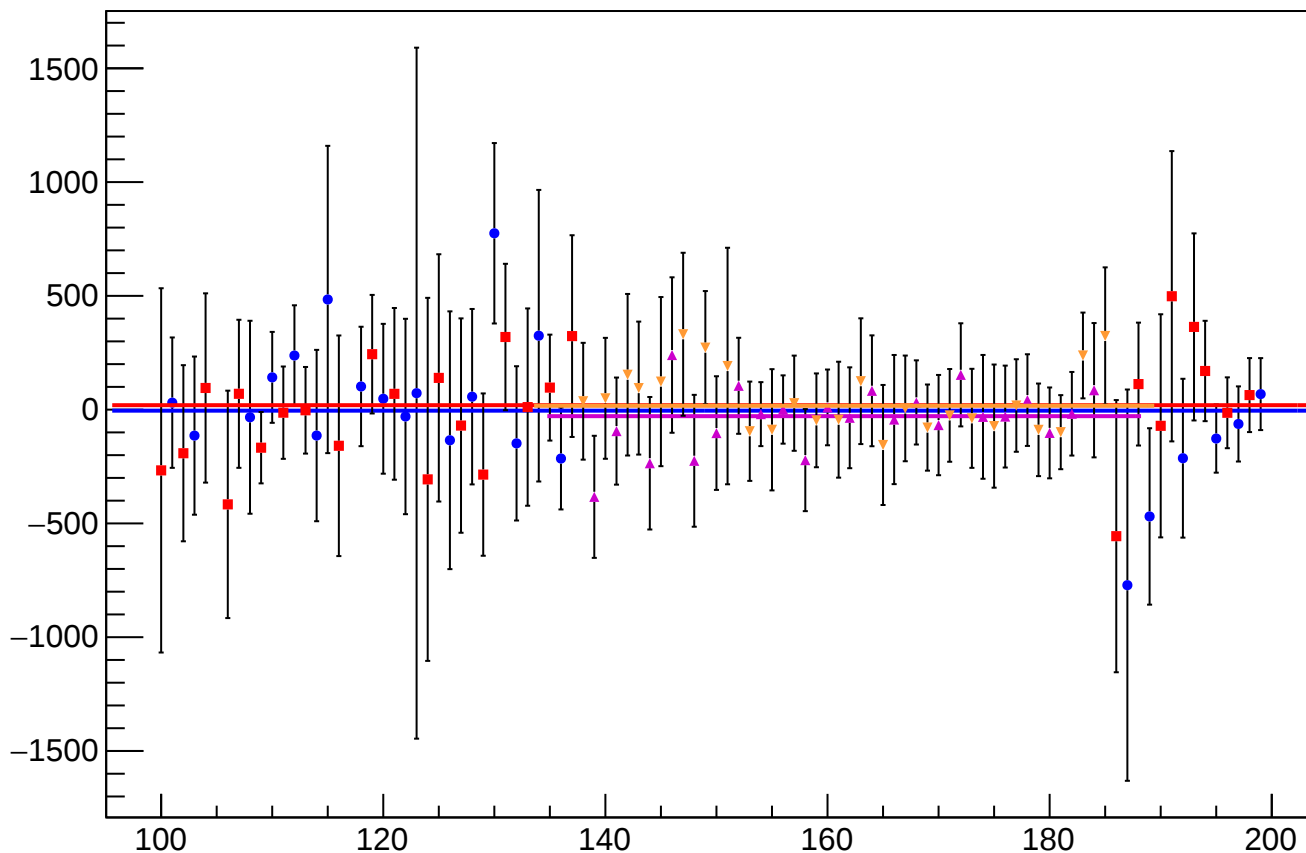
Left In: 179.090 $\pm$ 0.032 χ^2 /NDF:1605113.3/22

+ sign 190.068 $\pm$ 0.026 χ^2 /NDF: 3914765.2/47

All: 183.739 $\pm$ 0.018 χ^2 /NDF: 8336134.8/97

- sign 178.119 $\pm$ 0.025 χ^2 /NDF: 4310594.0/49

asym_bcm_an_us_mean vs Slug



Right In: -4.480 ± 58.208 χ^2/NDF : 11.5/22

Left Out: 17.142 ± 47.738 χ^2/NDF : 7.1/24

Right Out: 19.537 ± 54.996 χ^2/NDF : 9.0/26

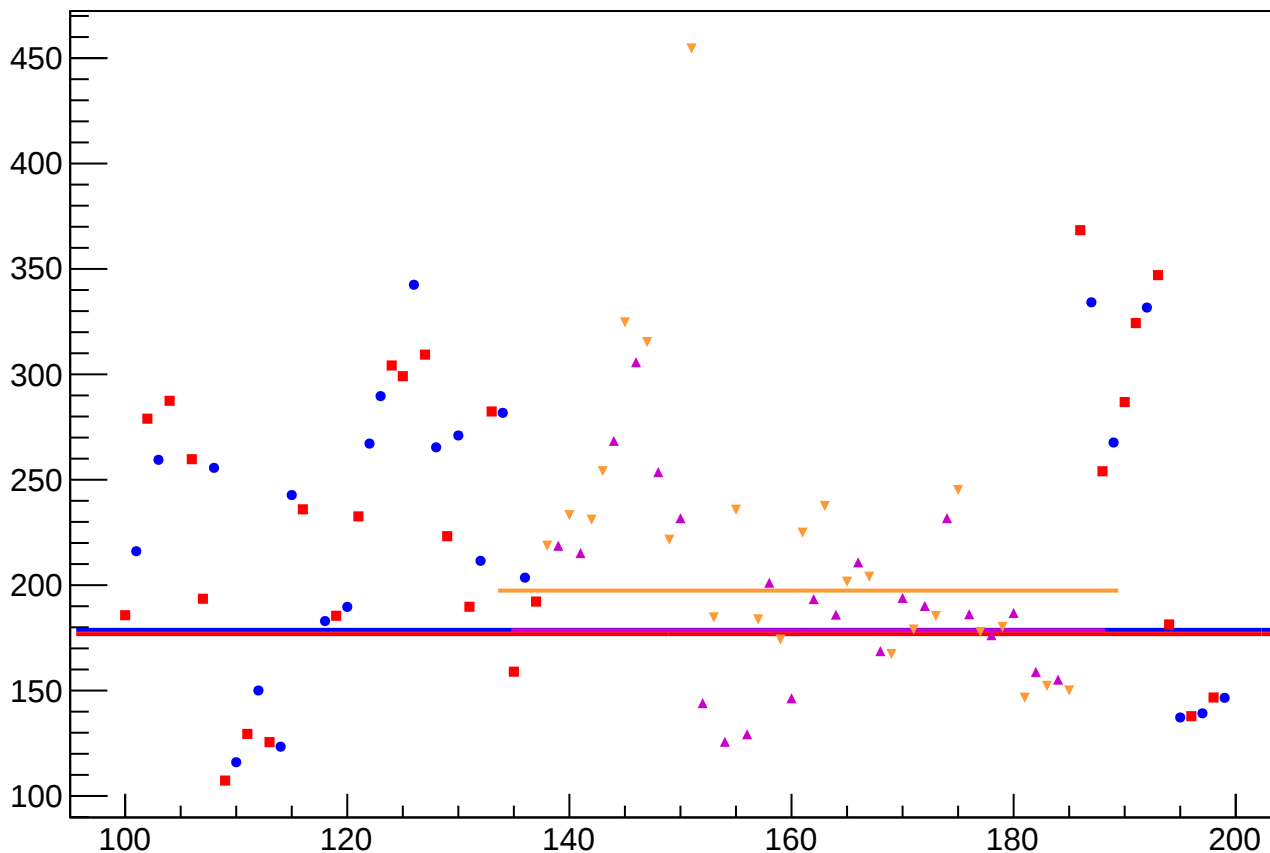
Left In: -28.655 ± 44.859 χ^2/NDF : 6.1/22

+ sign 8.447 ± 36.912 χ^2/NDF : 18.7/47

All: -1.012 ± 25.306 χ^2/NDF : 34.4/97

- sign -9.402 ± 34.762 χ^2/NDF : 15.6/49

asym_bcm_an_us_rms vs Slug



Right In: 178.799 $\pm$ 0.041 χ^2 /NDF: 1975196.1/22

Left Out: 197.422 $\pm$ 0.034 χ^2 /NDF: 1780261.9/24

Right Out: 176.769 $\pm$ 0.039 χ^2 /NDF: 2659498.1/26

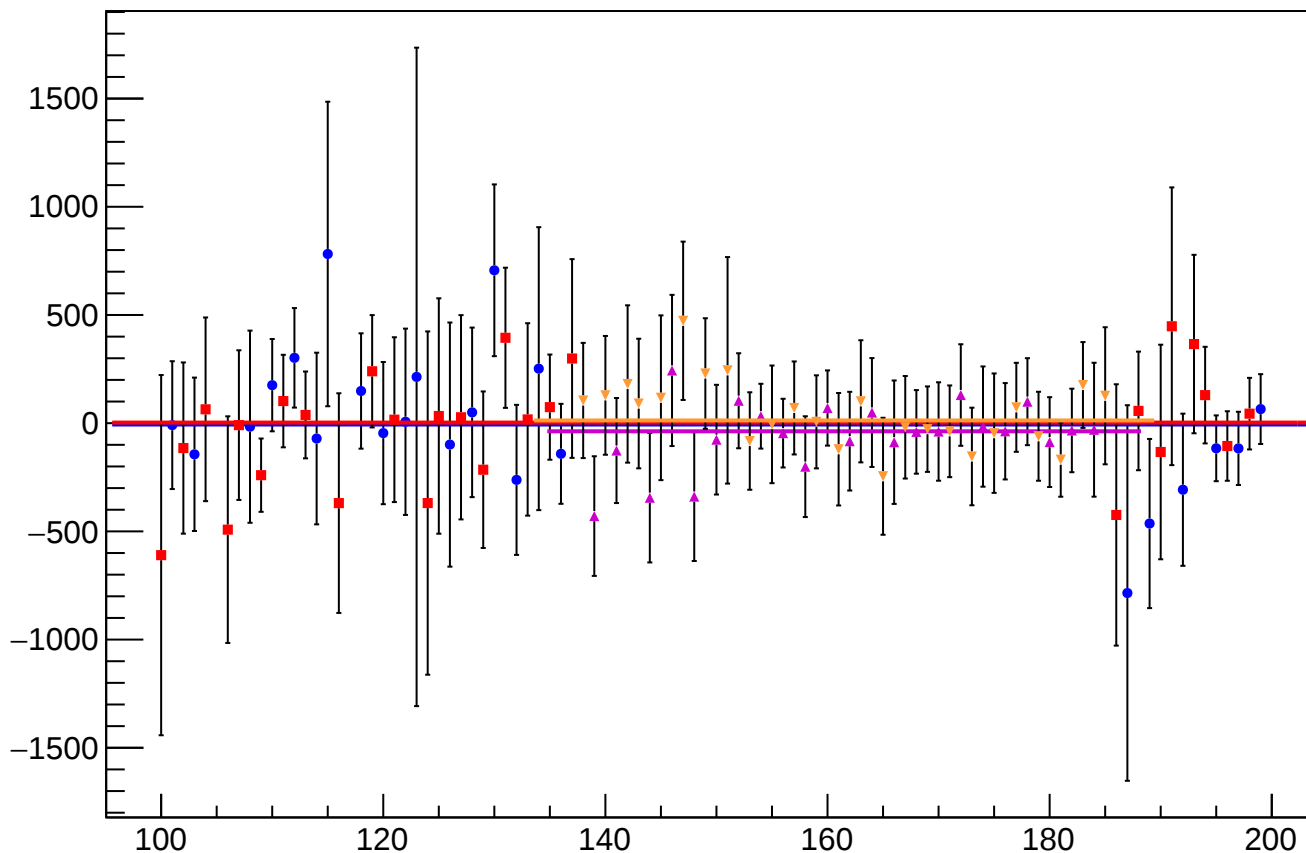
Left In: 178.601 $\pm$ 0.032 χ^2 /NDF: 1608998.1/22

+ sign 189.933 $\pm$ 0.026 χ^2 /NDF: 3877855.6/47

All: 183.539 $\pm$ 0.018 χ^2 /NDF: 8260898.9/97

- sign 177.869 $\pm$ 0.025 χ^2 /NDF: 4269829.0/49

asym_bcm_dg_us_mean vs Slug



Right In: -6.135 ± 59.661 χ^2/NDF : 12.7/22

Left Out: 12.632 ± 49.242 χ^2/NDF : 7.5/24

Right Out: 2.767 ± 56.816 χ^2/NDF : 10.5/26

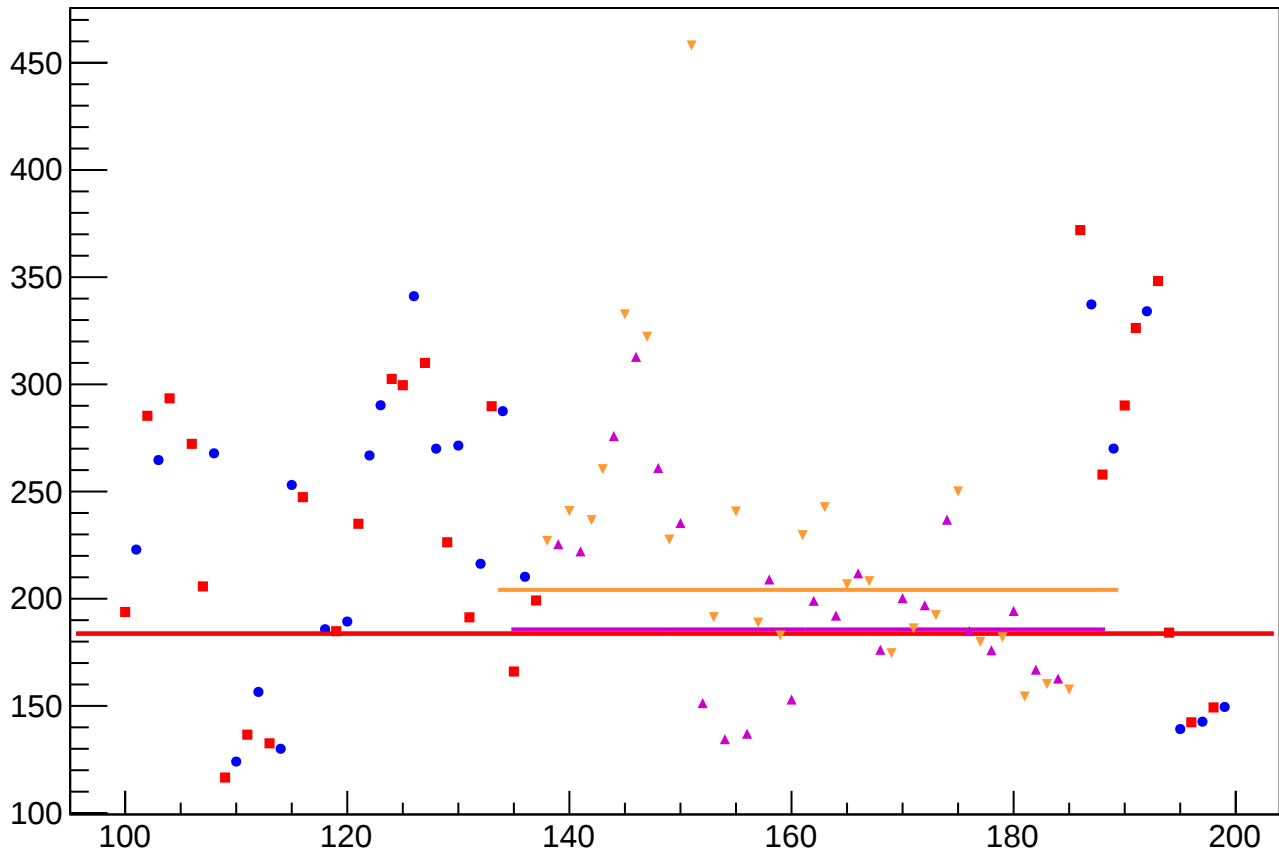
Left In: -37.460 ± 46.479 χ^2/NDF : 7.6/22

+ sign 5.028 ± 37.977 χ^2/NDF : 20.3/47

All: -8.866 ± 26.117 χ^2/NDF : 39.0/97

- sign -21.332 ± 35.975 χ^2/NDF : 18.4/49

asym_bcm_dg_us_rms vs Slug



Right In: 183.736 $\pm$ 0.042 χ^2 /NDF: 1887496.8/22

Left Out: 204.132 $\pm$ 0.035 χ^2 /NDF:1672287.6/24

Right Out: 183.751 $\pm$ 0.040 χ^2 /NDF: 2444385.0/26

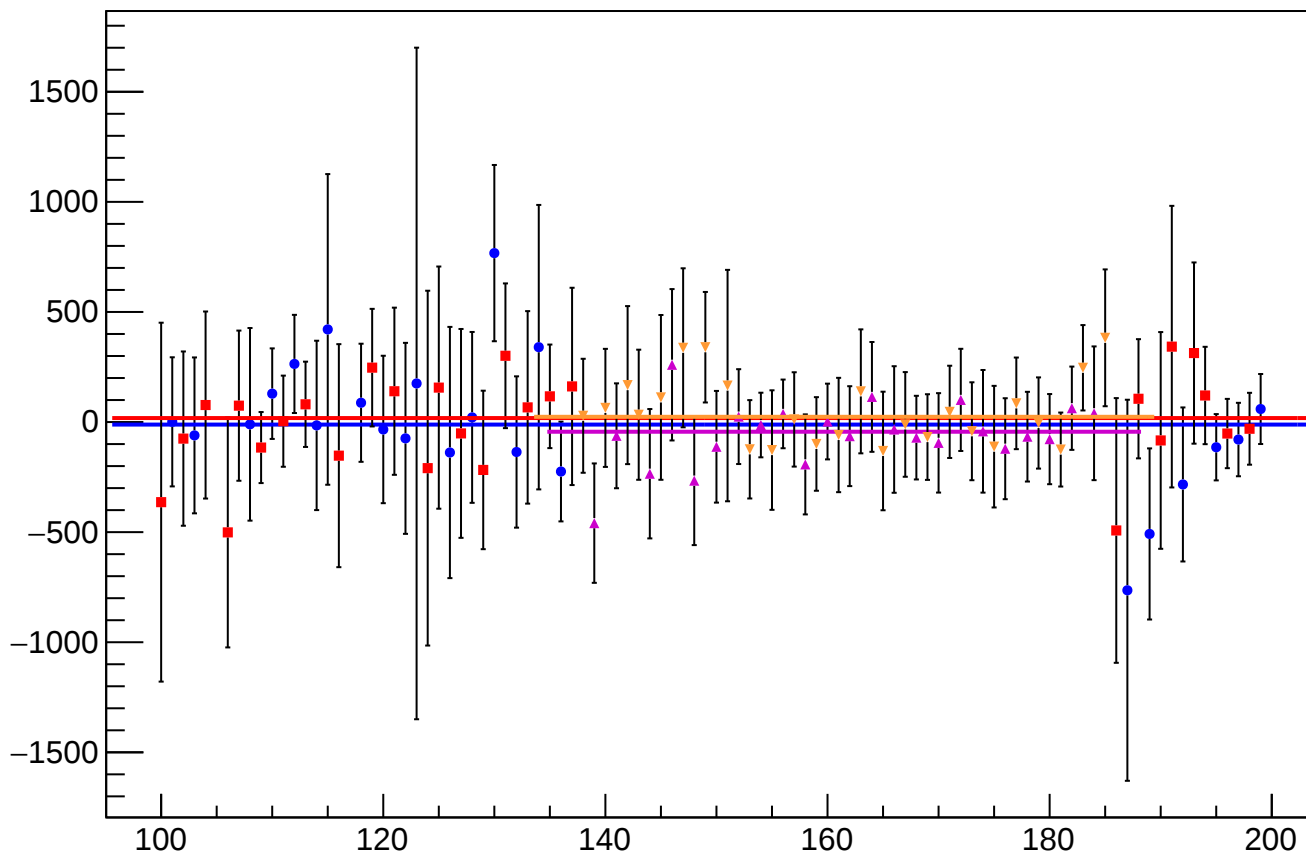
Left In: 185.694 $\pm$ 0.033 χ^2 /NDF:1447767.0/22

+ sign 195.867 $\pm$ 0.027 χ^2 /NDF: 3698816.0/47

All: 190.095 $\pm$ 0.018 χ^2 /NDF: 7680040.3/97

- sign 184.915 $\pm$ 0.025 χ^2 /NDF: 3893552.1/49

asym_bcm_dg_ds_mean vs Slug



Right In: -11.476 ± 58.918 χ^2/NDF : 11.5/22

Left Out: 23.843 ± 48.783 χ^2/NDF : 8.5/24

Right Out: 18.129 ± 55.830 χ^2/NDF : 6.8/26

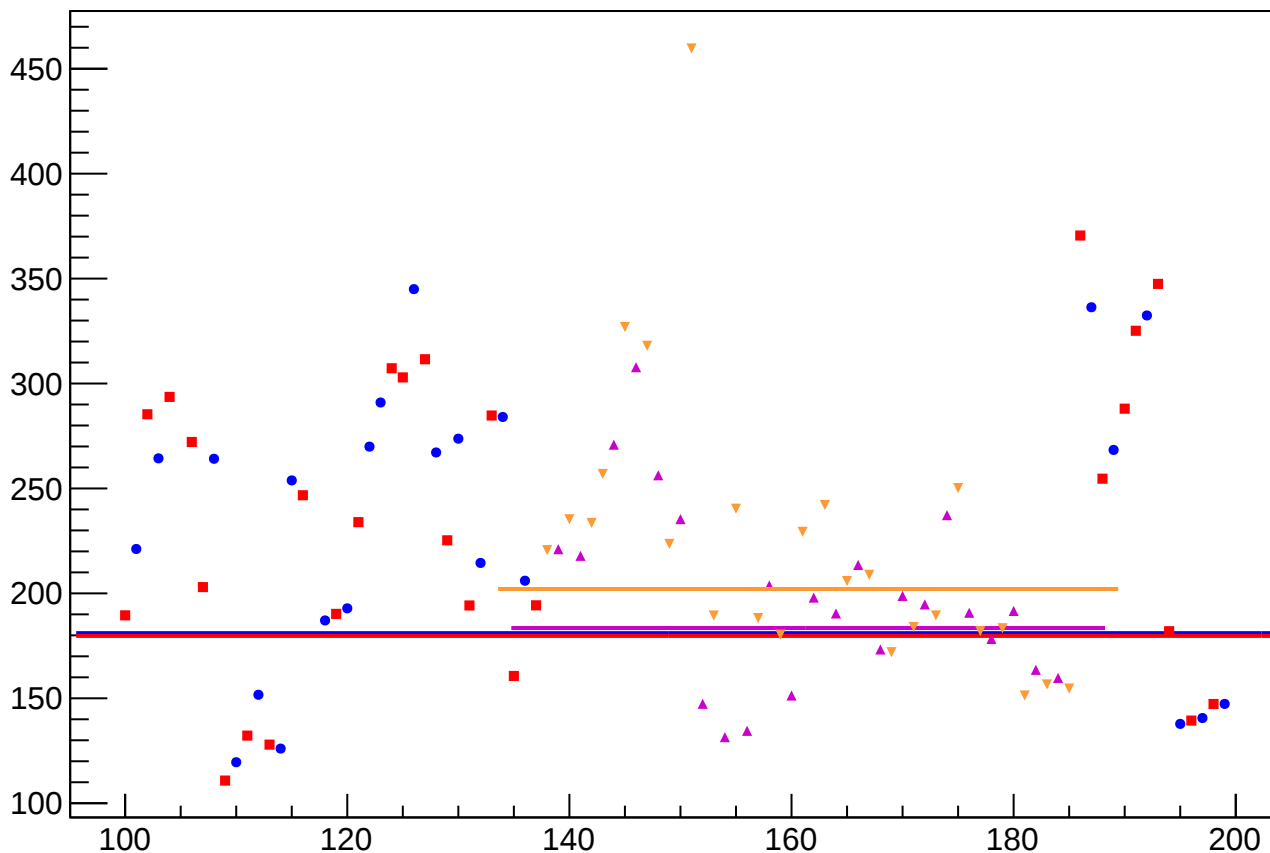
Left In: -43.978 ± 45.981 χ^2/NDF : 6.5/22

+ sign 9.478 ± 37.575 χ^2/NDF : 20.2/47

All: -5.507 ± 25.802 χ^2/NDF : 34.6/97

- sign -18.878 ± 35.493 χ^2/NDF : 14.1/49

asym_bcm_dg_ds_rms vs Slug



Right In: 181.049 $\pm$ 0.042 χ^2/NDF : 1971754.9/22

Left Out: 202.081 $\pm$ 0.034 χ^2/NDF : 1692787.9/24

Right Out: 179.733 $\pm$ 0.039 χ^2/NDF : 2620329.4/26

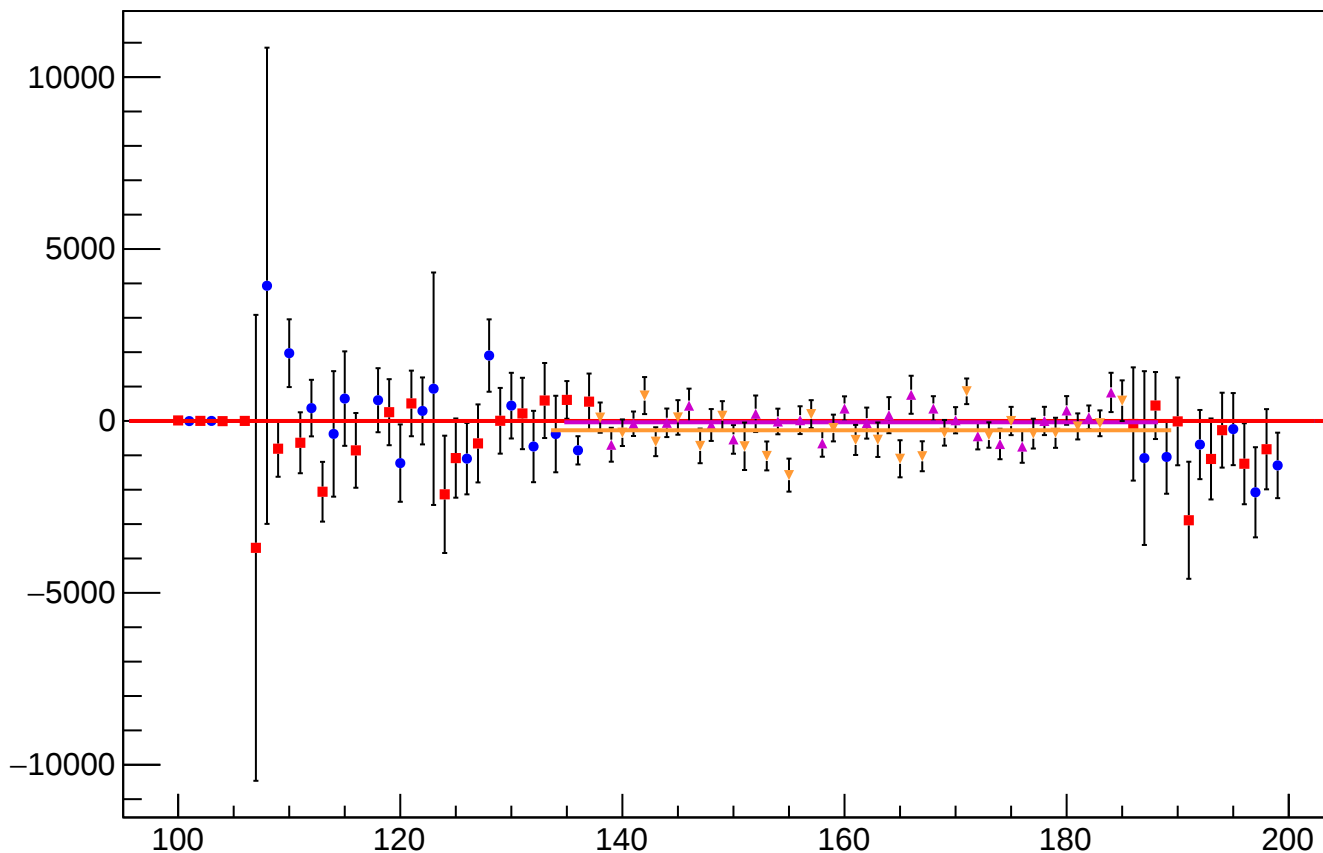
Left In: 183.498 $\pm$ 0.033 χ^2/NDF : 1483383.4/22

+ sign 193.527 $\pm$ 0.027 χ^2/NDF : 3815736.1/47

All: 187.423 $\pm$ 0.018 χ^2/NDF : 8024736.8/97

- sign 181.977 $\pm$ 0.025 χ^2/NDF : 4109132.0/49

asym_cav4bQ_mean vs Slug



Right In: -1.553 ± 2.251 χ^2/NDF : 23.4/22

Left Out: -270.969 ± 86.967 χ^2/NDF : 38.1/24

Right Out: -0.740 ± 2.111 χ^2/NDF : 24.8/26

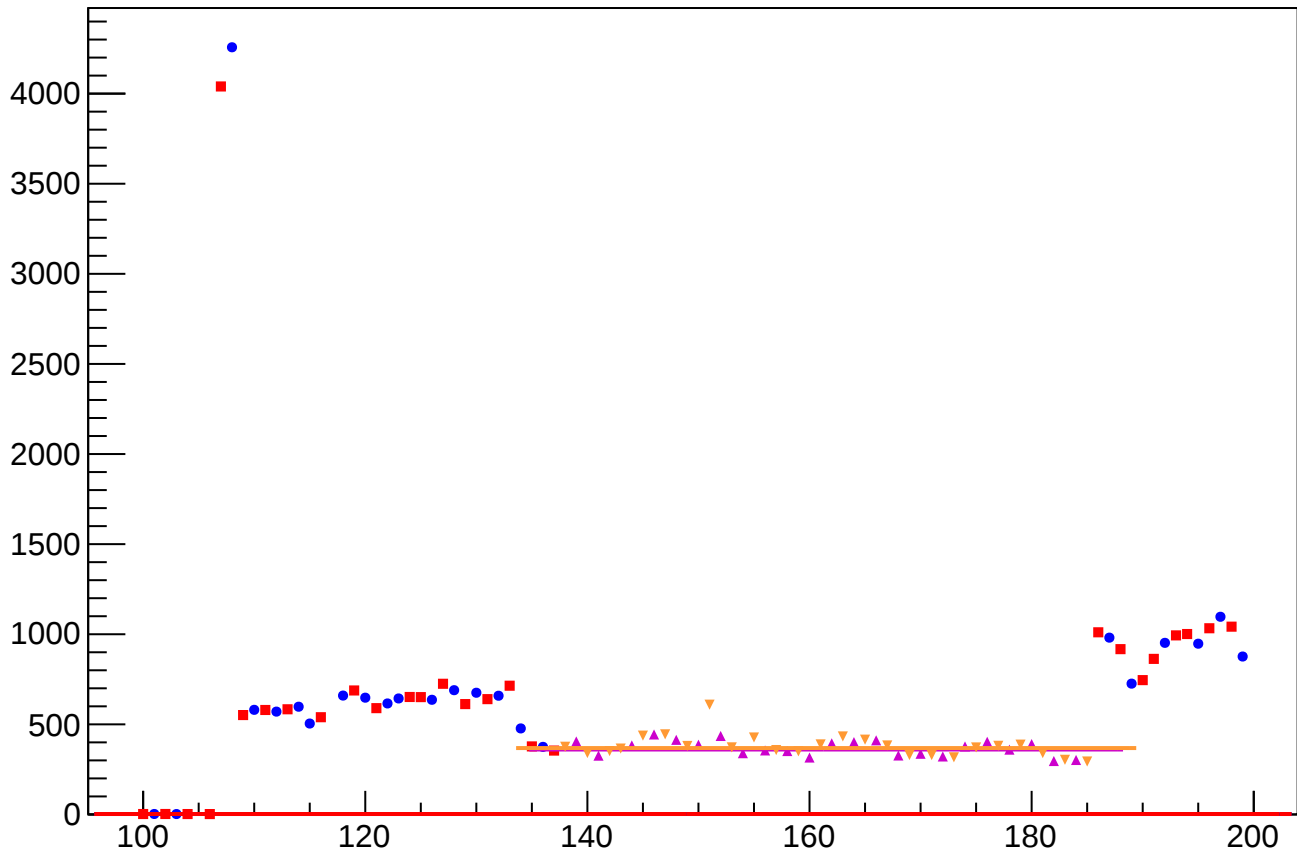
Left In: -39.078 ± 87.769 χ^2/NDF : 20.3/22

+ sign -1.733 ± 2.251 χ^2/NDF : 71.1/47

All: -1.216 ± 1.540 χ^2/NDF : 116.4/97

- sign -0.762 ± 2.110 χ^2/NDF : 45.2/49

asym_cav4bQ_rms vs Slug



Right In: 2.478+/-0.002 χ^2/NDF : 18508271.8/22

Left Out: 368.397+/-0.061 χ^2/NDF : 622466.1/24

Right Out: 2.460+/-0.001 χ^2/NDF : 21022762.3/26

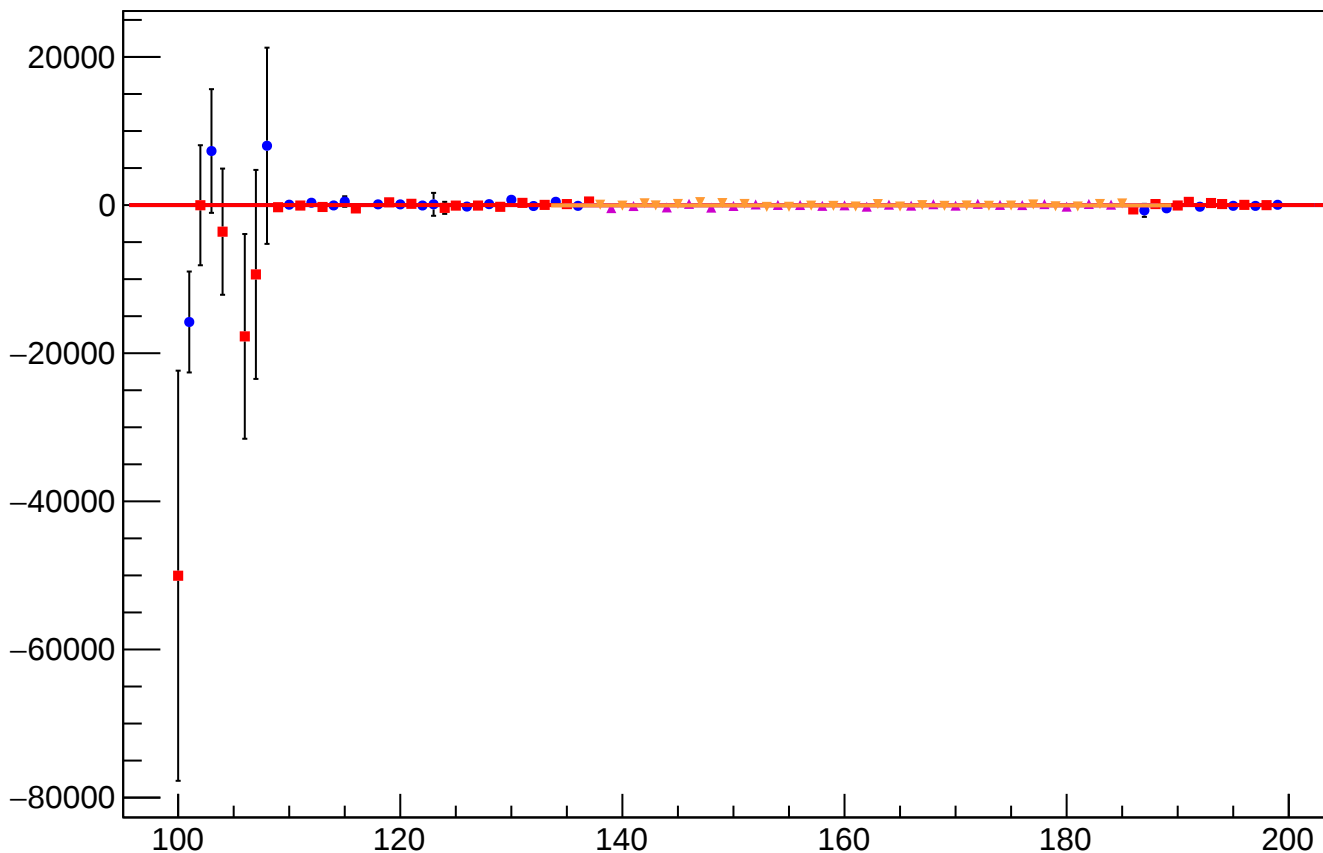
Left In: 360.408+/-0.062 χ^2/NDF : 417739.4/22

+ sign 2.723+/-0.002 χ^2/NDF : 54513994.7/47

All: 2.693+/-0.001 χ^2/NDF : 109200707.1/97

- sign 2.666+/-0.001 χ^2/NDF : 54686048.9/49

asym_cav4cQ_mean vs Slug



Right In: 5.327 ± 65.194 χ^2/NDF : 16.2/22

Left Out: -38.013 ± 49.628 χ^2/NDF : 9.3/24

Right Out: 1.313 ± 63.389 χ^2/NDF : 16.7/26

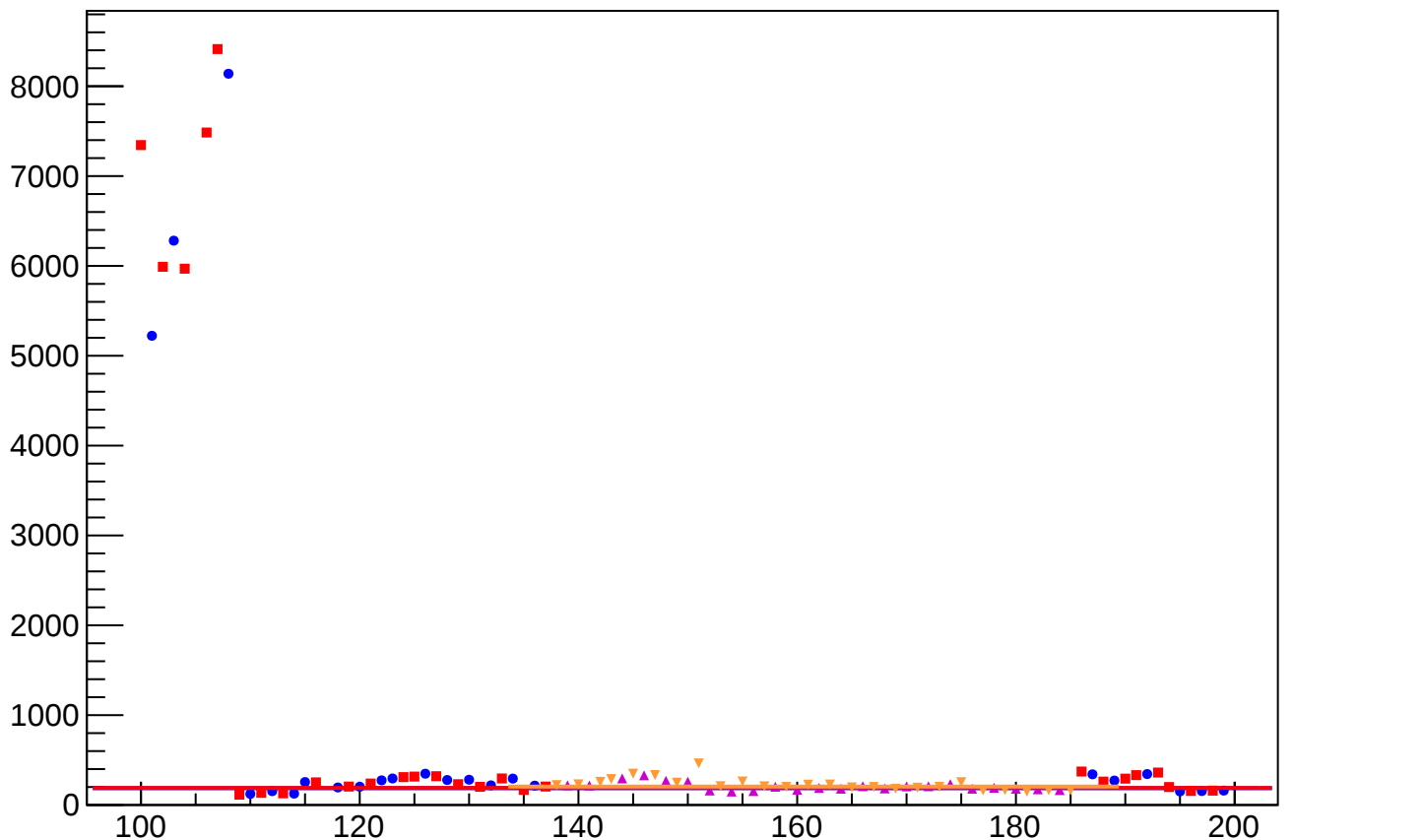
Left In: -28.205 ± 48.167 χ^2/NDF : 9.2/22

+ sign -22.112 ± 39.488 χ^2/NDF : 25.8/47

All: -19.687 ± 27.512 χ^2/NDF : 51.8/97

- sign -17.400 ± 38.351 χ^2/NDF : 26.0/49

asym_cav4cQ_rms vs Slug



Right In: 187.201 $\pm$ 0.046 χ^2 /NDF: 4455238.2/22

Left Out: 205.027 $\pm$ 0.035 χ^2 /NDF:1956045.1/24

Right Out: 189.216 $\pm$ 0.045 χ^2 /NDF: 5288839.2/26

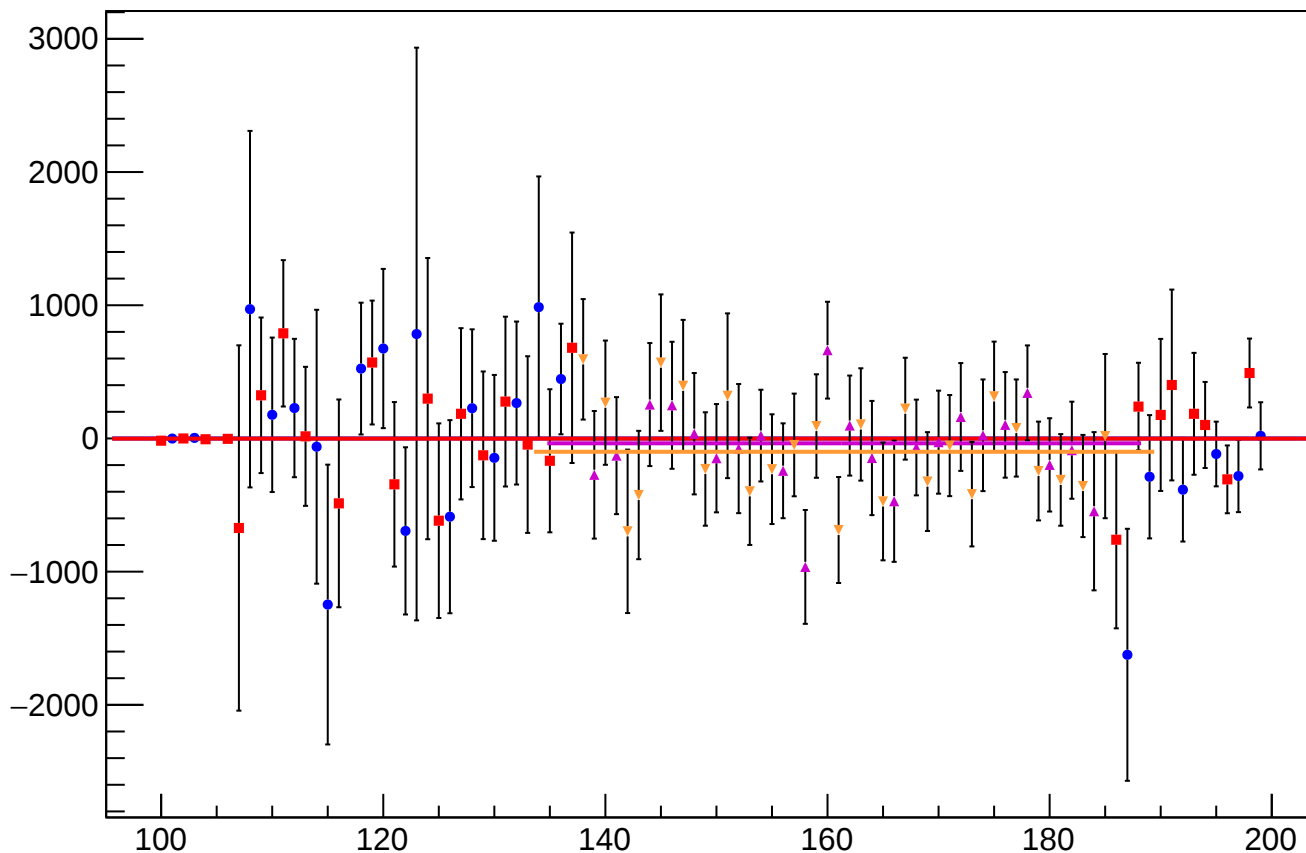
Left In: 193.405 $\pm$ 0.034 χ^2 /NDF:1172169.3/22

+ sign 198.487 $\pm$ 0.028 χ^2 /NDF: 6505951.1/47

All: 195.082 $\pm$ 0.019 χ^2 /NDF: 13001383.9/97

- sign 191.871 $\pm$ 0.027 χ^2 /NDF: 6466545.9/49

asym_cav4dQ_mean vs Slug



Right In: -0.174 ± 1.736 χ^2/NDF : 15.7/22

Left Out: -100.058 ± 84.190 χ^2/NDF : 15.7/24

Right Out: -1.306 ± 1.622 χ^2/NDF : 17.0/26

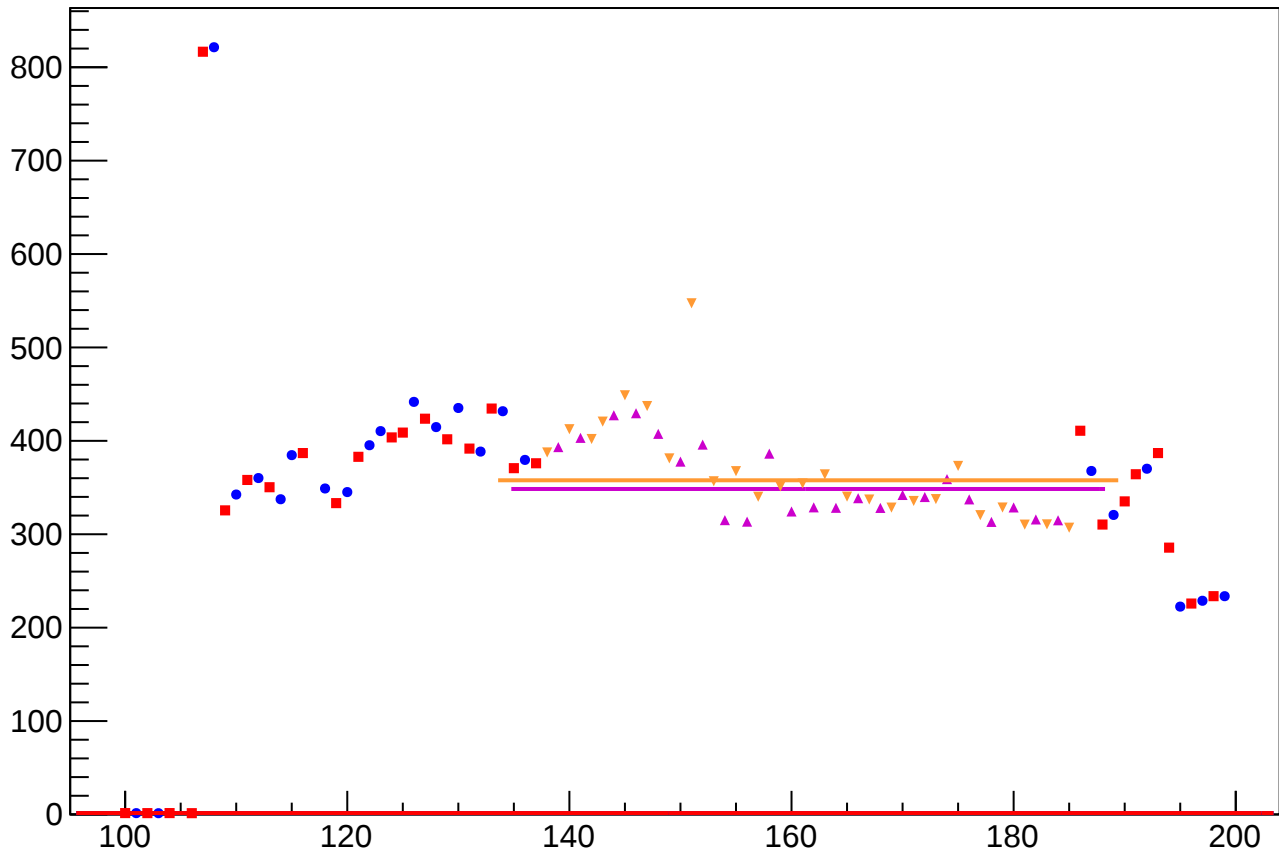
Left In: -36.497 ± 84.675 χ^2/NDF : 13.5/22

+ sign -0.216 ± 1.736 χ^2/NDF : 32.8/47

All: -0.805 ± 1.185 χ^2/NDF : 63.7/97

- sign -1.319 ± 1.622 χ^2/NDF : 30.7/49

asym_cav4dQ_rms vs Slug



Right In: 1.497 ± 0.001 $\chi^2/\text{NDF}: 18721352.3/22$

Left Out: 357.771 ± 0.060 $\chi^2/\text{NDF}: 547124.8/24$

Right Out: 1.496 ± 0.001 $\chi^2/\text{NDF}: 20689710.8/26$

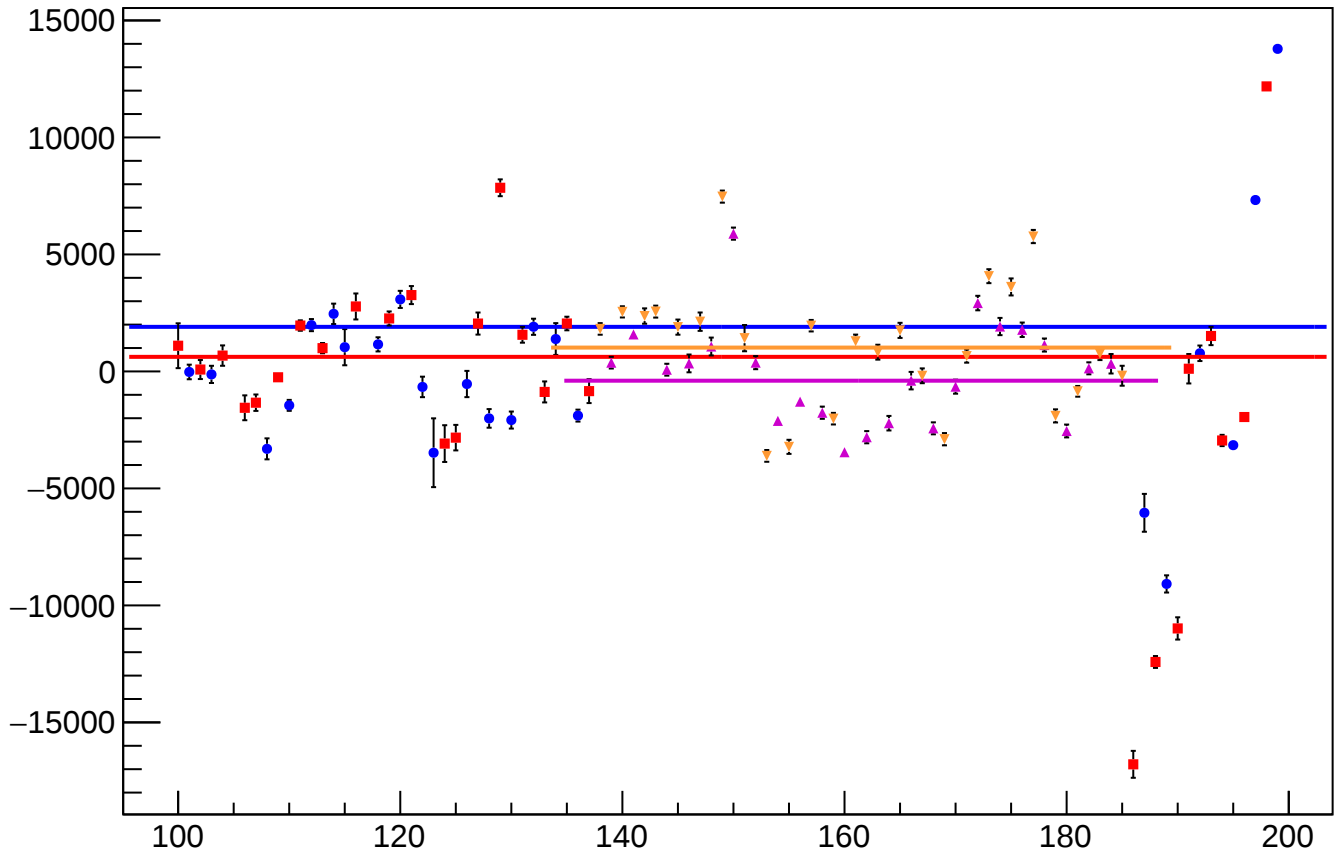
Left In: 348.464 ± 0.060 $\chi^2/\text{NDF}: 360425.7/22$

+ sign 1.649 ± 0.001 $\chi^2/\text{NDF}: 55069425.0/47$

All: 1.635 ± 0.001 $\chi^2/\text{NDF}: 109688688.3/97$

- sign 1.623 ± 0.001 $\chi^2/\text{NDF}: 54619027.7/49$

asym_bcm0l02_mean vs Slug



Right In: 1904.902+/-64.790 χ^2/NDF : 7963.3/22

Left Out: 1018.965+/-57.402 χ^2/NDF : 2310.1/24

Right Out: 622.896+/-60.523 χ^2/NDF : 9443.1/26

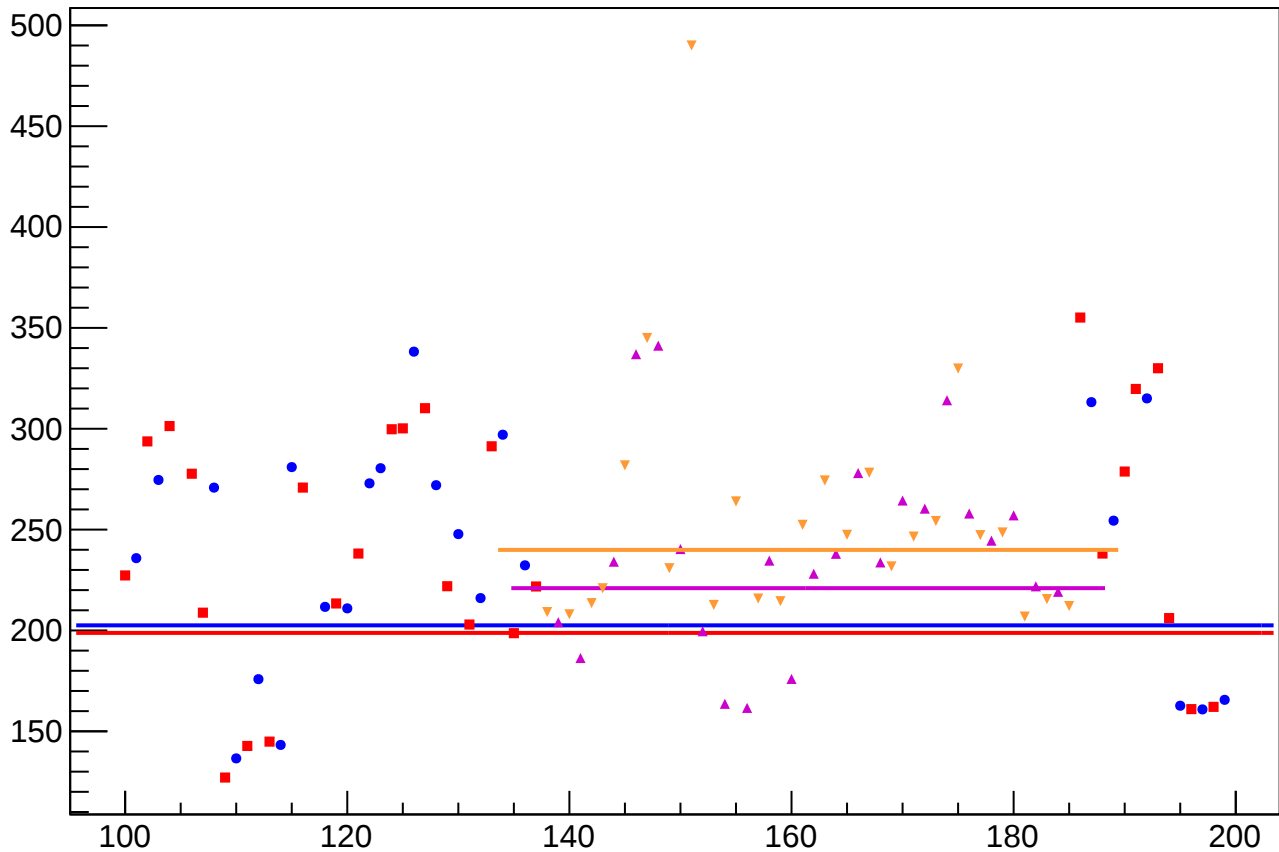
Left In: -396.609+/-55.090 χ^2/NDF : 1581.0/22

+ sign 1408.566+/-42.965 χ^2/NDF : 10378.1/47

All: 701.278+/-29.563 χ^2/NDF : 22072.1/97

- sign 65.342+/-40.740 χ^2/NDF : 11179.3/49

asym_bcm0l02_rms vs Slug



Right In: 202.532 $\pm$ 0.046 χ^2 /NDF: 1310372.5/22

Left Out: 239.942 $\pm$ 0.041 χ^2 /NDF:1000770.0/24

Right Out: 198.785 $\pm$ 0.043 χ^2 /NDF: 1914938.5/26

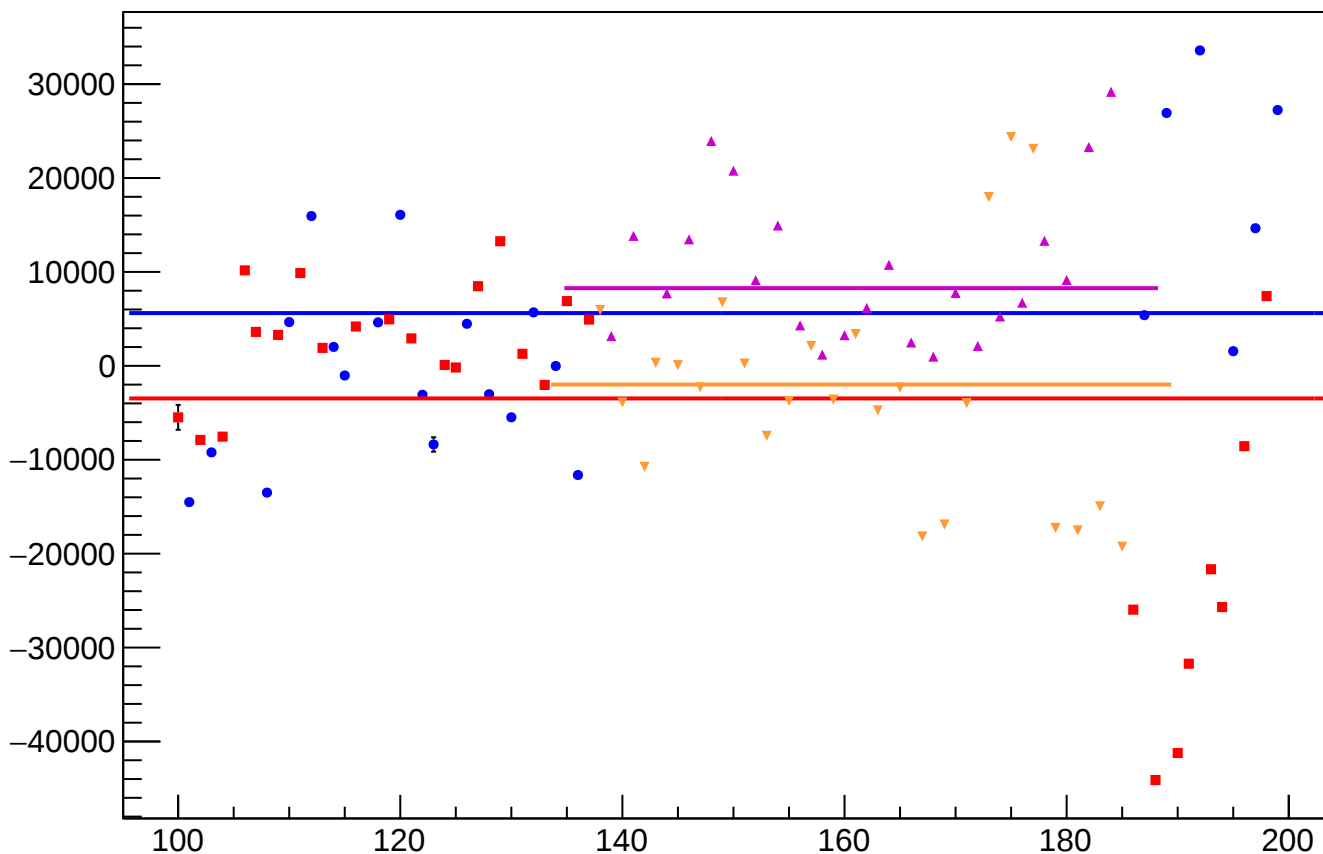
Left In: 220.972 $\pm$ 0.039 χ^2 /NDF:1327680.6/22

+ sign 223.491 $\pm$ 0.030 χ^2 /NDF: 2684695.0/47

All: 216.871 $\pm$ 0.021 χ^2 /NDF: 6164474.6/97

- sign 210.918 $\pm$ 0.029 χ^2 /NDF: 3389606.9/49

asym_bpm0i02WS_mean vs Slug



Right In: 5617.589 ± 46.600 $\chi^2/\text{NDF}: 84643.8/22$

Left Out: -1991.788 ± 42.427 $\chi^2/\text{NDF}: 63766.6/24$

Right Out: -3471.578 ± 43.661 $\chi^2/\text{NDF}: 130291.2/26$

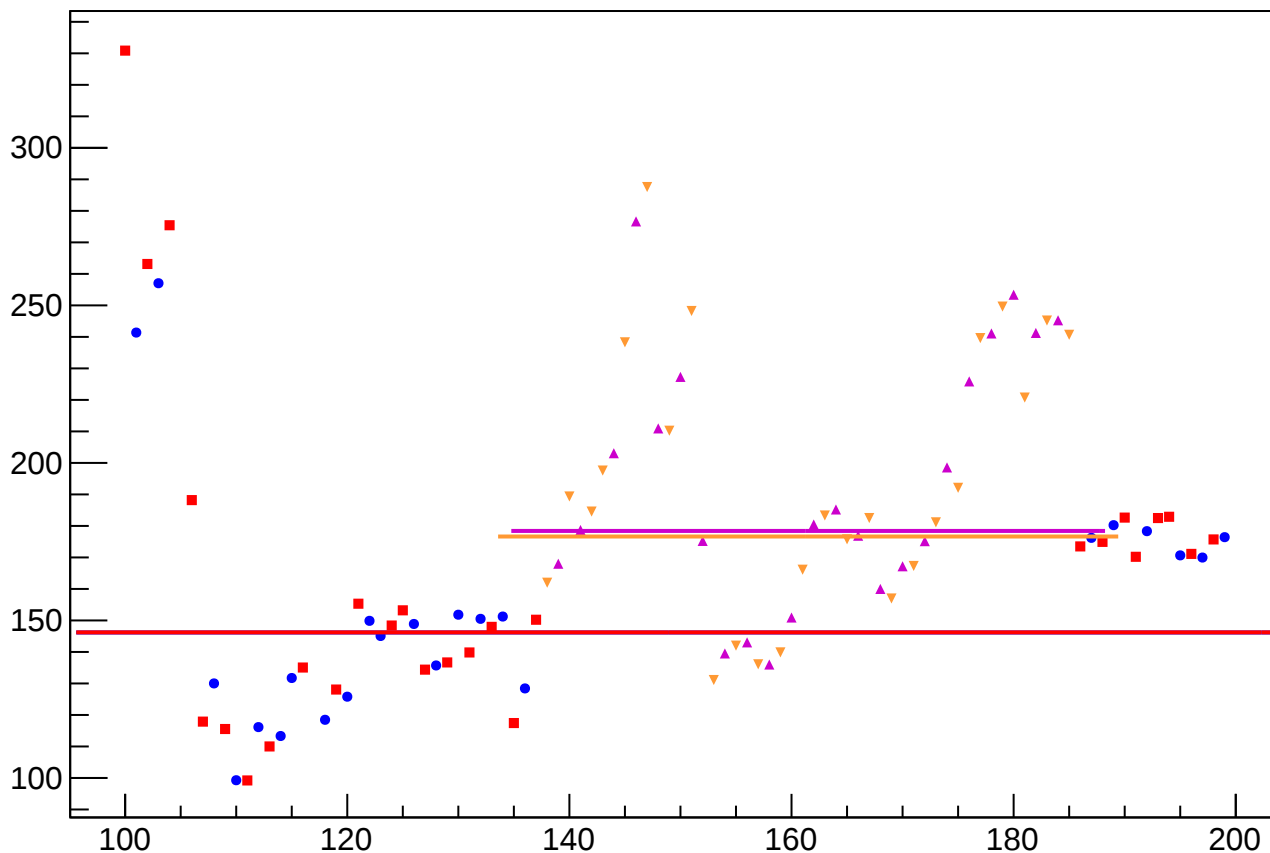
Left In: 8273.228 ± 44.301 $\chi^2/\text{NDF}: 22870.2/22$

+ sign 1456.999 ± 31.372 $\chi^2/\text{NDF}: 162989.7/47$

All: 1889.946 ± 22.085 $\chi^2/\text{NDF}: 352182.7/97$

- sign 2315.330 ± 31.097 $\chi^2/\text{NDF}: 188815.4/49$

asym_bpm0i02WS_rms vs Slug



Right In: 146.178+/-0.033 χ^2/NDF : 953080.5/22

Left Out: 176.641+/-0.030 χ^2/NDF :1551048.8/24

Right Out: 146.215+/-0.031 χ^2/NDF : 1270197.5/26

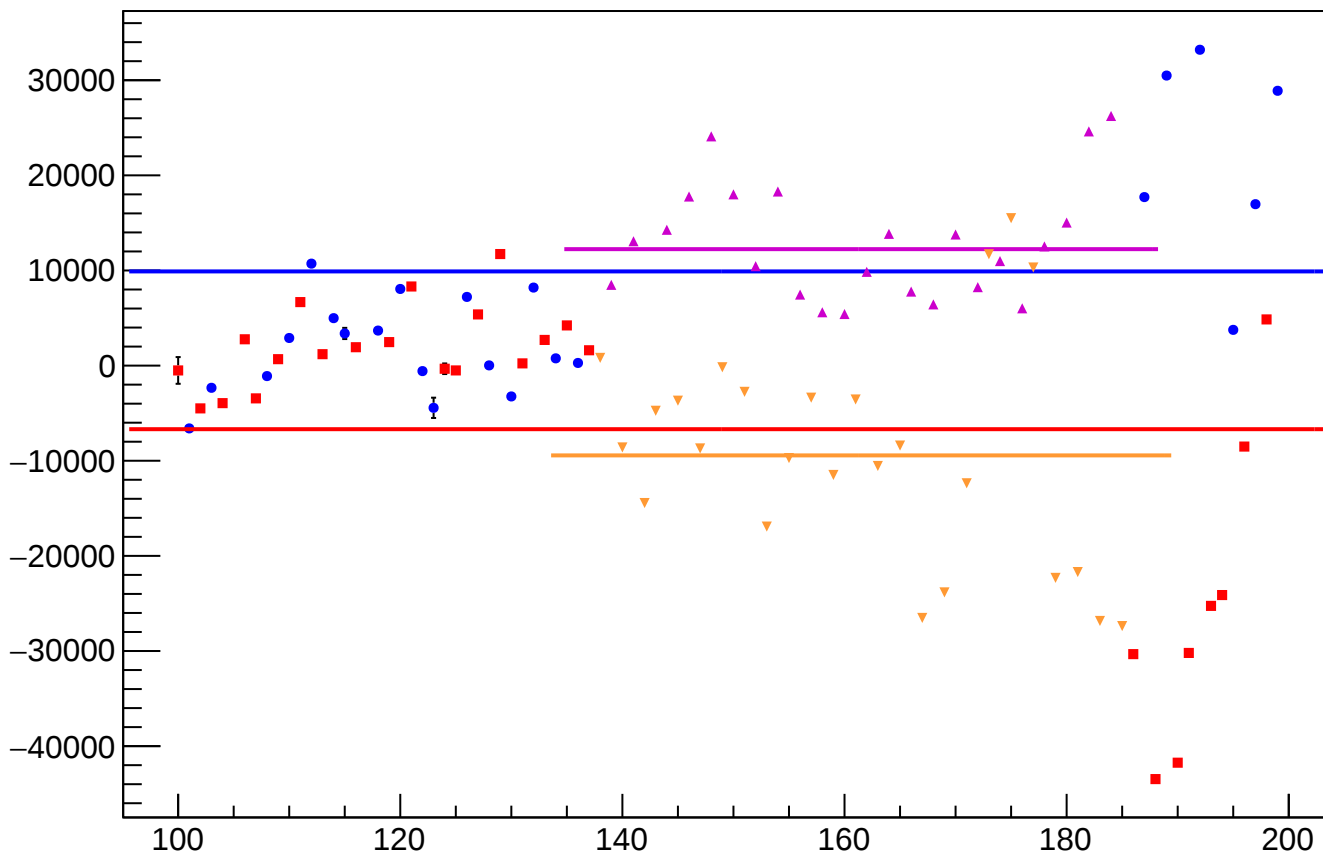
Left In: 178.413+/-0.031 χ^2/NDF :1293736.2/22

+ sign 162.834+/-0.022 χ^2/NDF : 2971446.5/47

All: 162.454+/-0.016 χ^2/NDF : 6071899.5/97

- sign 162.080+/-0.022 χ^2/NDF : 3099869.8/49

asym_bpm0i02aWS_mean vs Slug



Right In: 9901.850 ± 55.305 $\chi^2/\text{NDF}: 45562.5/22$

Left Out: -9437.408 ± 45.534 $\chi^2/\text{NDF}: 62220.4/24$

Right Out: -6682.746 ± 51.116 $\chi^2/\text{NDF}: 100329.4/26$

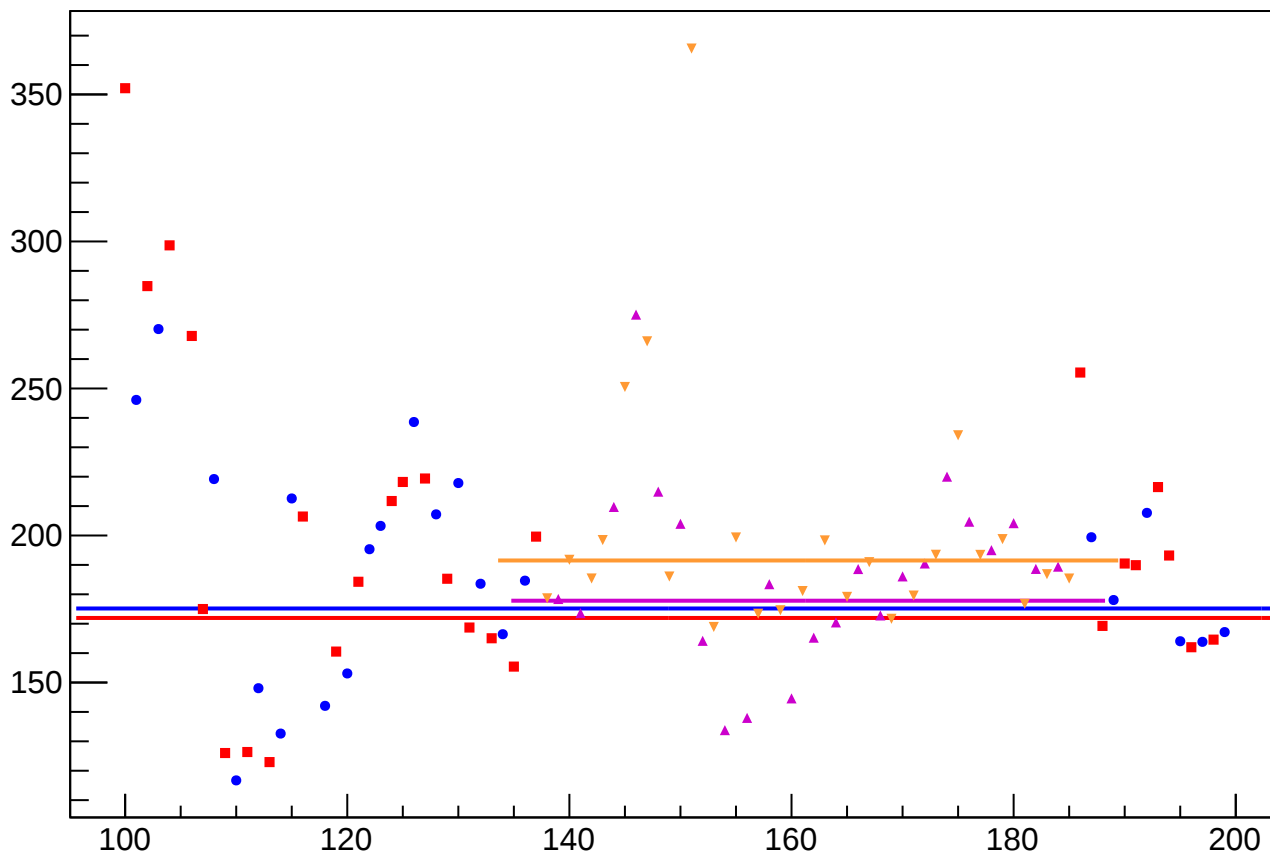
Left In: 12242.226 ± 43.944 $\chi^2/\text{NDF}: 16615.8/22$

+ sign -1624.244 ± 35.153 $\chi^2/\text{NDF}: 180659.6/47$

All: 1443.097 ± 24.184 $\chi^2/\text{NDF}: 390880.3/97$

- sign 4199.416 ± 33.323 $\chi^2/\text{NDF}: 195765.0/49$

asym_bpm0i02aWS_rms vs Slug



Right In: 175.178 $\pm$ 0.039 χ^2 /NDF: 755290.1/22

Left Out: 191.507 $\pm$ 0.032 χ^2 /NDF: 727251.6/24

Right Out: 171.955 $\pm$ 0.036 χ^2 /NDF: 1123366.7/26

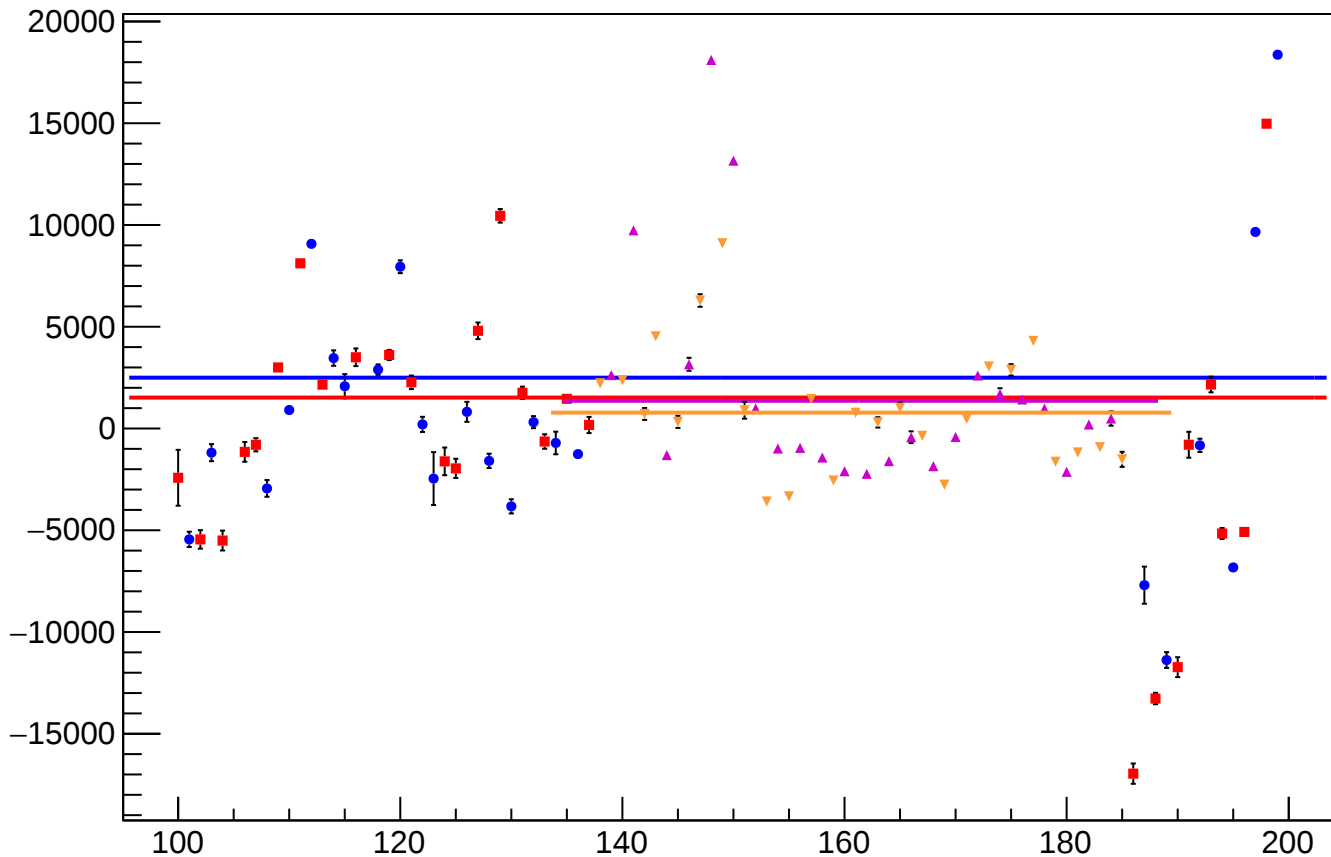
Left In: 177.821 $\pm$ 0.031 χ^2 /NDF: 862494.4/22

+ sign 184.910 $\pm$ 0.025 χ^2 /NDF: 1586444.9/47

All: 179.863 $\pm$ 0.017 χ^2 /NDF: 3665715.9/97

- sign 175.328 $\pm$ 0.024 χ^2 /NDF: 2001008.3/49

asym_bpm0i05WS_mean vs Slug



Right In: 2497.583 ± 62.240 χ^2/NDF : 14160.6/22

Left Out: 779.983 ± 47.457 χ^2/NDF : 4260.8/24

Right Out: 1519.582 ± 57.980 χ^2/NDF : 13834.7/26

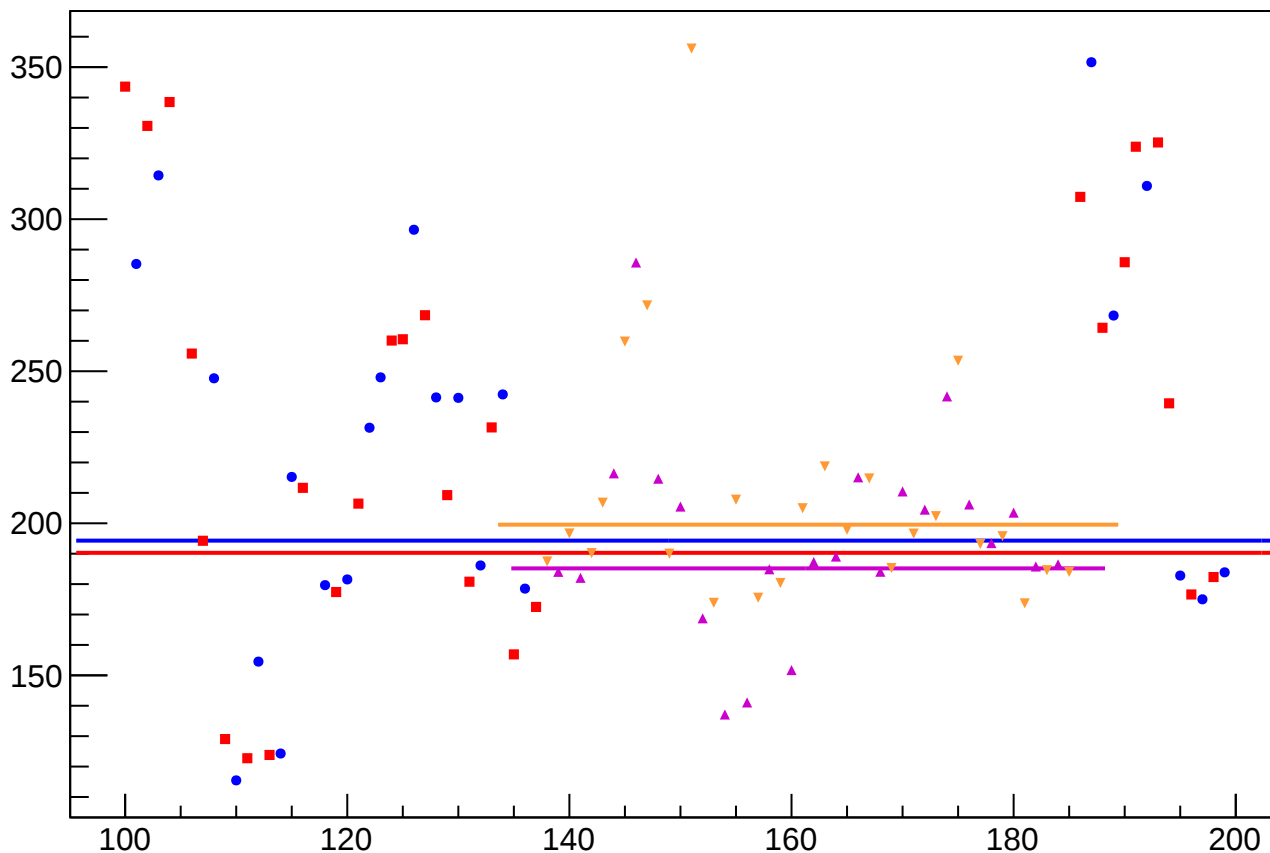
Left In: 1363.043 ± 45.807 χ^2/NDF : 11632.9/22

+ sign 1411.451 ± 37.738 χ^2/NDF : 18903.0/47

All: 1417.612 ± 26.027 χ^2/NDF : 44375.1/97

- sign 1423.200 ± 35.943 χ^2/NDF : 25472.1/49

asym_bpm0i05WS_rms vs Slug



Right In: 194.298 ± 0.044 χ^2/NDF : 1400575.2/22

Left Out: 199.547 ± 0.034 χ^2/NDF : 729356.3/24

Right Out: 190.288 ± 0.041 χ^2/NDF : 2127451.8/26

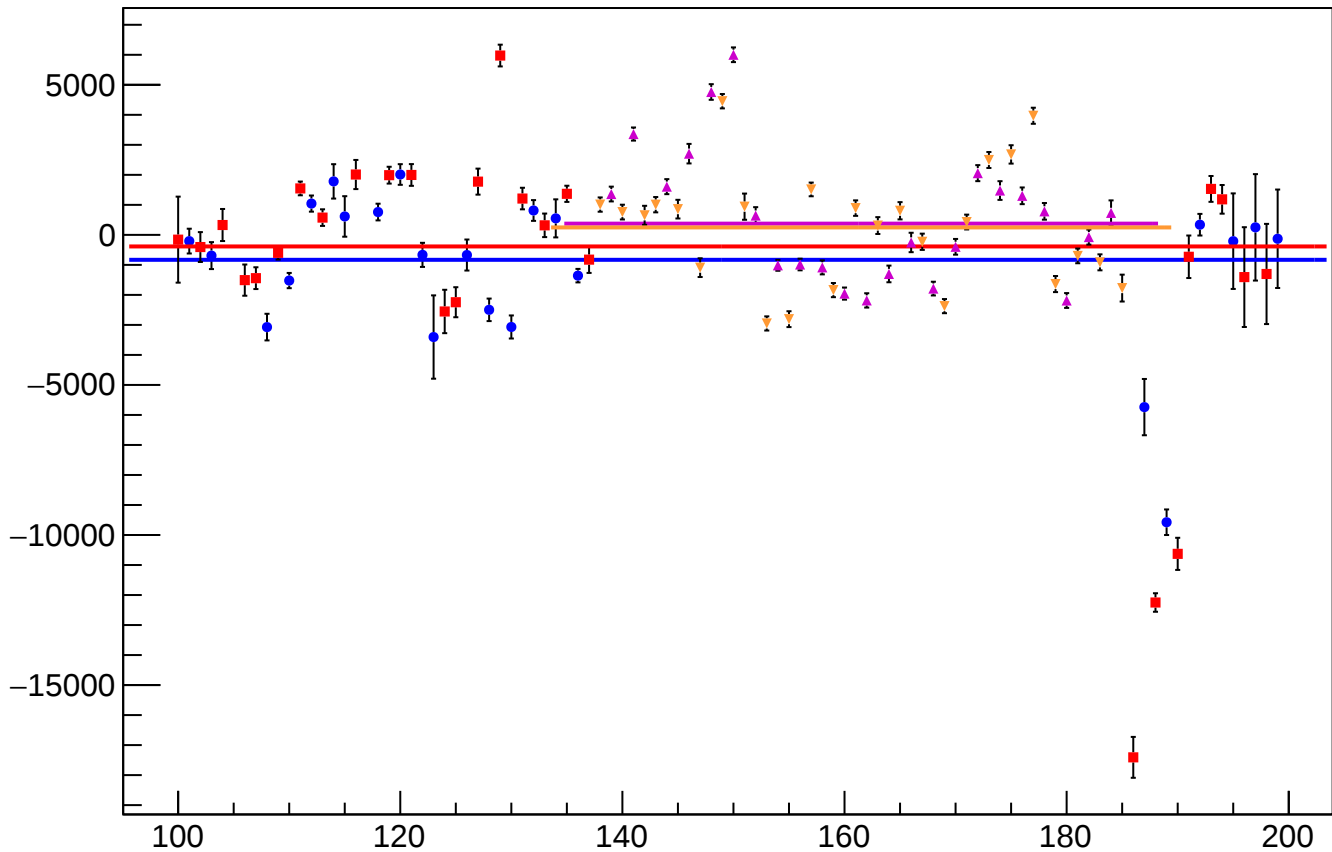
Left In: 185.171 ± 0.032 χ^2/NDF : 882752.2/22

+ sign 197.617 ± 0.027 χ^2/NDF : 2138924.9/47

All: 192.122 ± 0.018 χ^2/NDF : 5239596.3/97

- sign 187.137 ± 0.025 χ^2/NDF : 3019796.2/49

asym_bpm0i07WS_mean vs Slug



Right In: -830.917 ± 83.834 $\chi^2/\text{NDF}: 760.2/22$

Left Out: 247.844 ± 53.555 $\chi^2/\text{NDF}: 1355.1/24$

Right Out: -385.536 ± 75.263 $\chi^2/\text{NDF}: 3162.5/26$

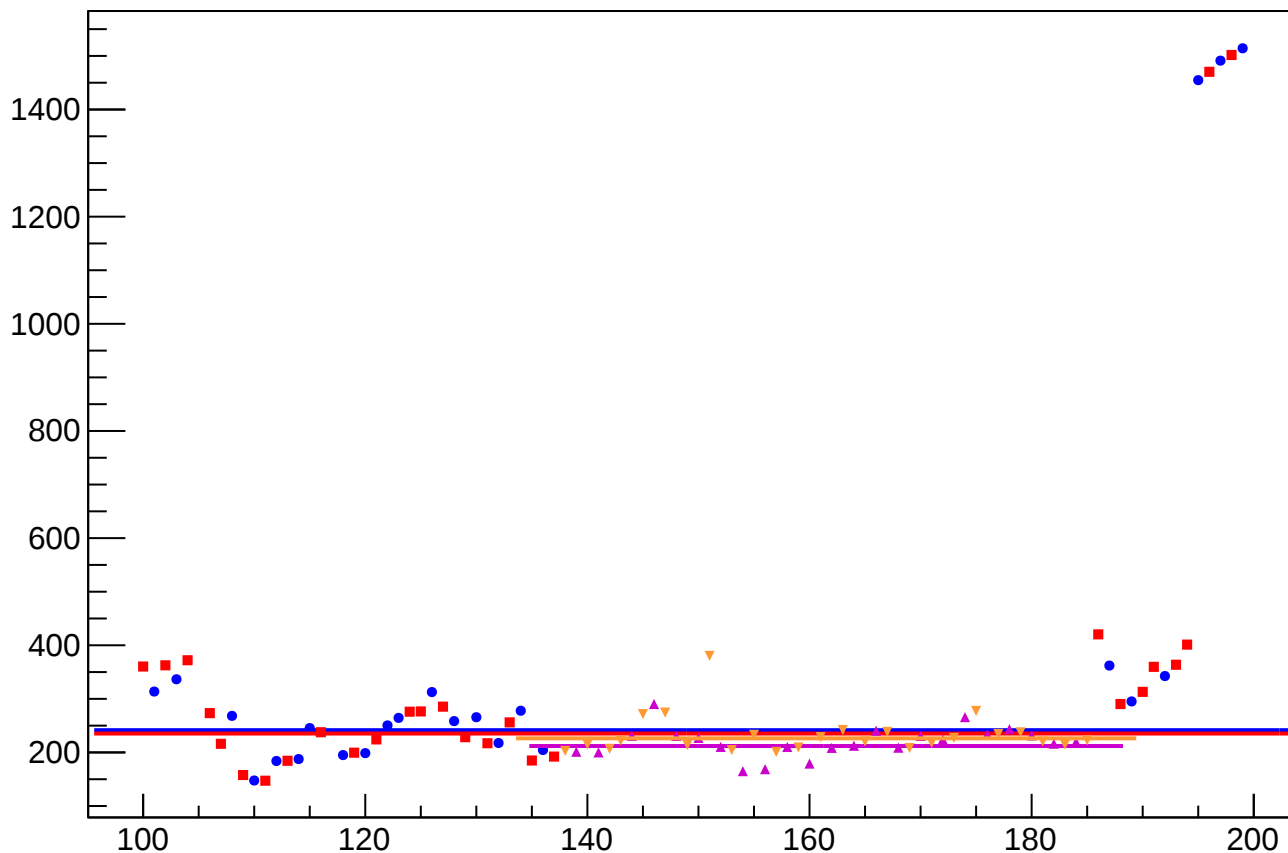
Left In: 374.122 ± 52.049 $\chi^2/\text{NDF}: 1801.0/22$

+ sign -64.799 ± 45.132 $\chi^2/\text{NDF}: 2232.8/47$

All: 36.874 ± 31.059 $\chi^2/\text{NDF}: 7274.9/97$

- sign 128.351 ± 42.809 $\chi^2/\text{NDF}: 5032.4/49$

asym_bpm0i07WS_rms vs Slug



Right In: 241.526+/-0.059 χ^2/NDF : 4330580.1/22

Left Out: 226.322+/-0.038 χ^2/NDF : 521041.8/24

Right Out: 235.260+/-0.053 χ^2/NDF : 4067046.2/26

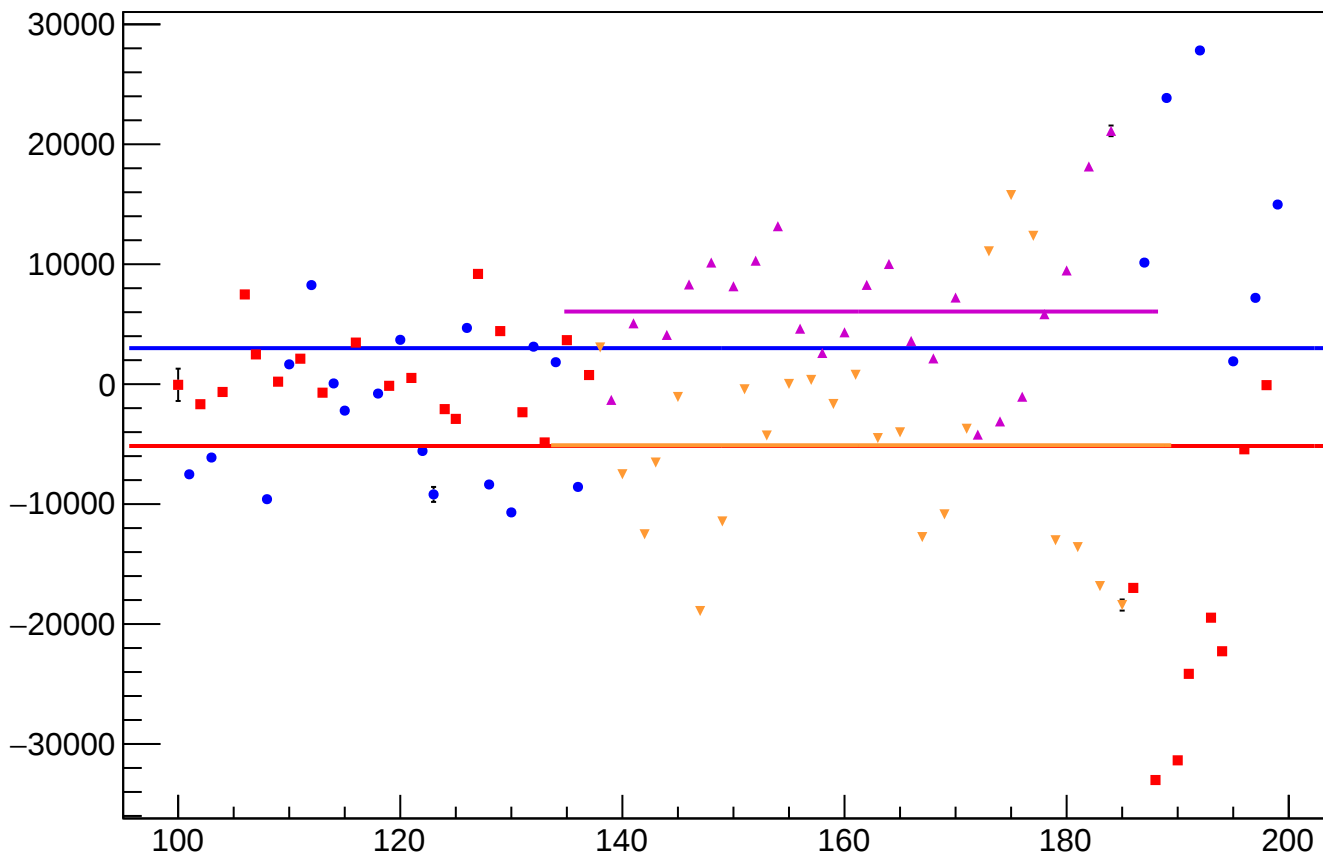
Left In: 211.970+/-0.037 χ^2/NDF : 584344.5/22

+ sign 230.728+/-0.032 χ^2/NDF : 4898338.9/47

All: 224.820+/-0.022 χ^2/NDF : 9744387.0/97

- sign 219.505+/-0.030 χ^2/NDF : 4780946.7/49

asym_bpm1i02WS_mean vs Slug



Right In: 3003.187+/-39.624 χ^2/NDF : 73140.8/22

Left Out: -5095.305+/-33.703 χ^2/NDF : 54395.4/24

Right Out: -5155.853+/-36.799 χ^2/NDF : 100652.6/26

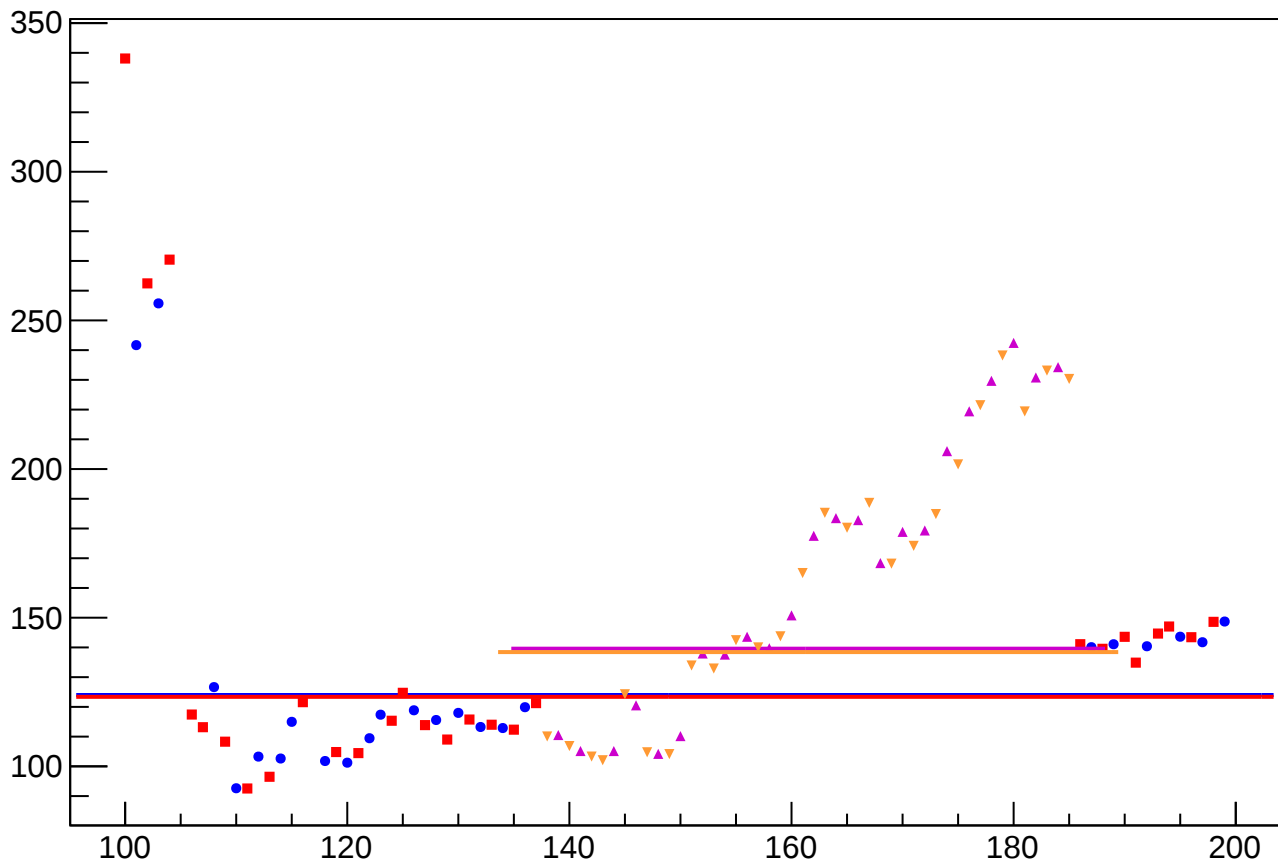
Left In: 6053.569+/-34.998 χ^2/NDF : 17590.3/22

+ sign -1695.720+/-25.673 χ^2/NDF : 151773.3/47

All: -468.093+/-18.042 χ^2/NDF : 323254.7/97

- sign 729.819+/-25.360 χ^2/NDF : 166963.5/49

asym_bpm1i02WS_rms vs Slug



Right In: 123.999 $\pm$ 0.028 χ^2 /NDF: 947300.3/22

Left Out: 138.436 $\pm$ 0.024 χ^2 /NDF: 2549435.8/24

Right Out: 123.385 $\pm$ 0.026 χ^2 /NDF: 1099476.3/26

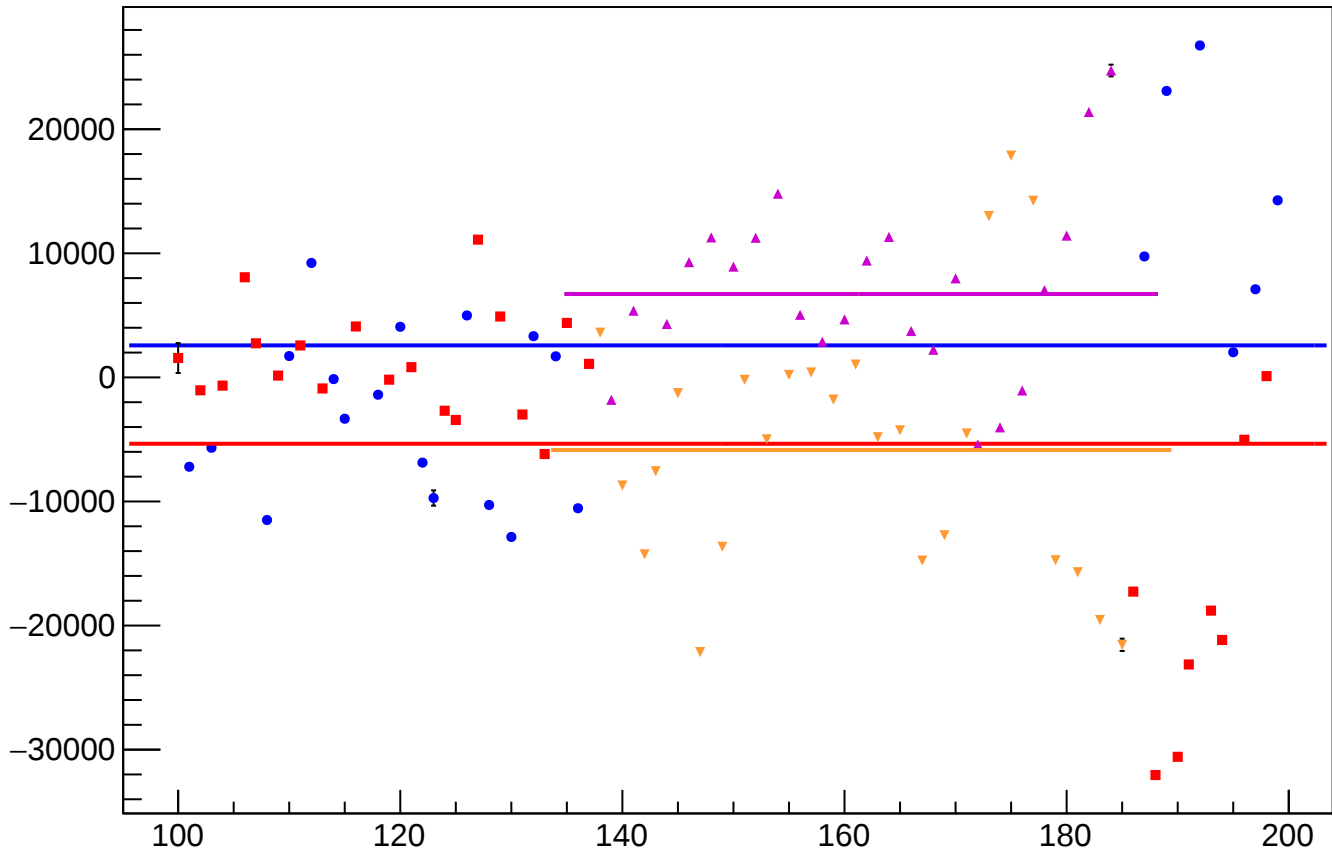
Left In: 139.578 $\pm$ 0.025 χ^2 /NDF: 2413658.9/22

+ sign 132.375 $\pm$ 0.018 χ^2 /NDF: 3650782.4/47

All: 132.128 $\pm$ 0.013 χ^2 /NDF: 7367625.2/97

- sign 131.887 $\pm$ 0.018 χ^2 /NDF: 3716476.7/49

asym_bpm2i01WS_mean vs Slug



Right In: 2579.686 $\pm$ 40.014 χ^2 /NDF: 78134.6/22

Left Out: -5852.544 $\pm$ 35.880 χ^2 /NDF: 63411.4/24

Right Out: -5347.935 $\pm$ 37.263 χ^2 /NDF: 101102.3/26

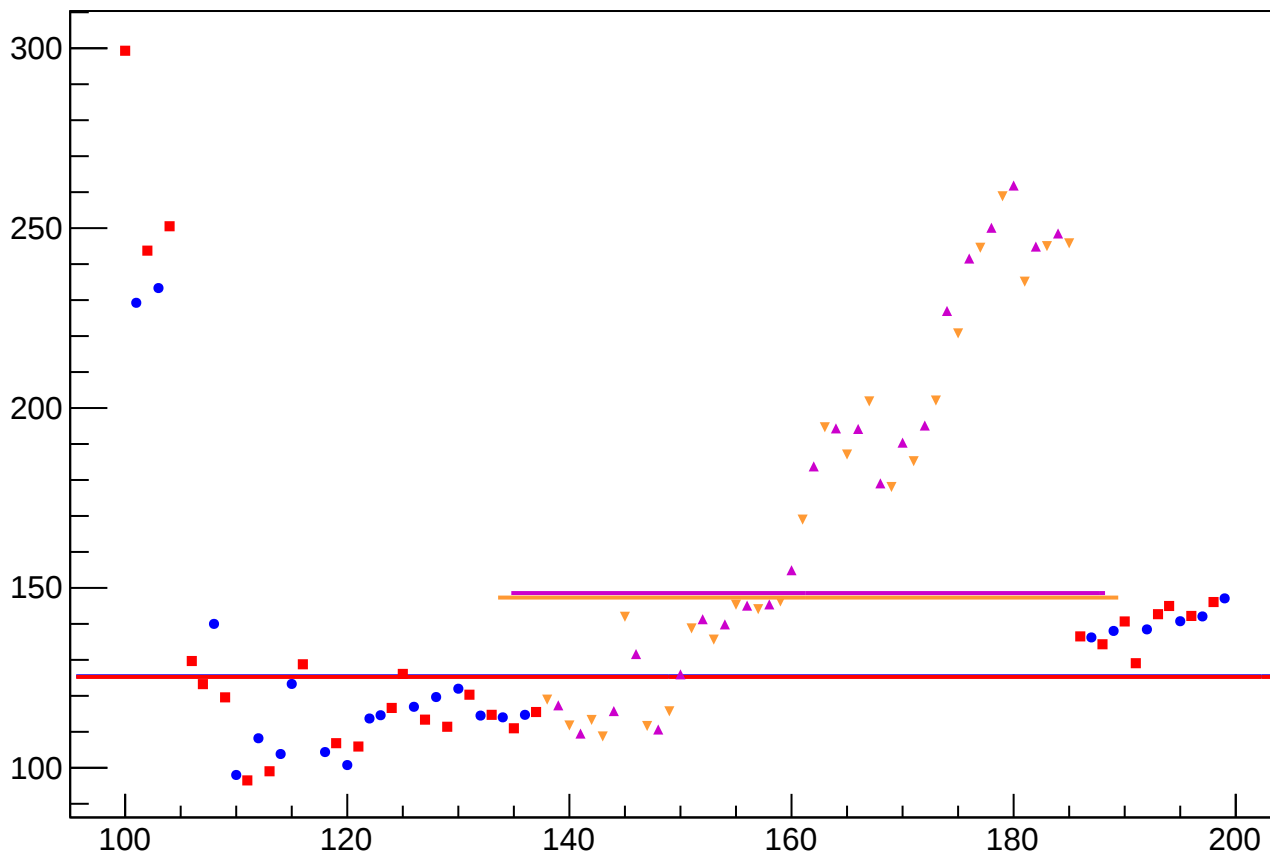
Left In: 6718.475 $\pm$ 37.276 χ^2 /NDF: 20934.3/22

+ sign -2094.366 $\pm$ 26.713 χ^2 /NDF: 166162.2/47

All: -686.729 $\pm$ 18.761 χ^2 /NDF: 346089.0/97

- sign 683.248 $\pm$ 26.353 χ^2 /NDF: 174447.6/49

asym_bpm2i01WS_rms vs Slug



Right In: 125.442 $\pm$ 0.028 χ^2 /NDF: 783508.3/22

Left Out: 147.317 $\pm$ 0.025 χ^2 /NDF: 2511679.9/24

Right Out: 125.261 $\pm$ 0.026 χ^2 /NDF: 883999.2/26

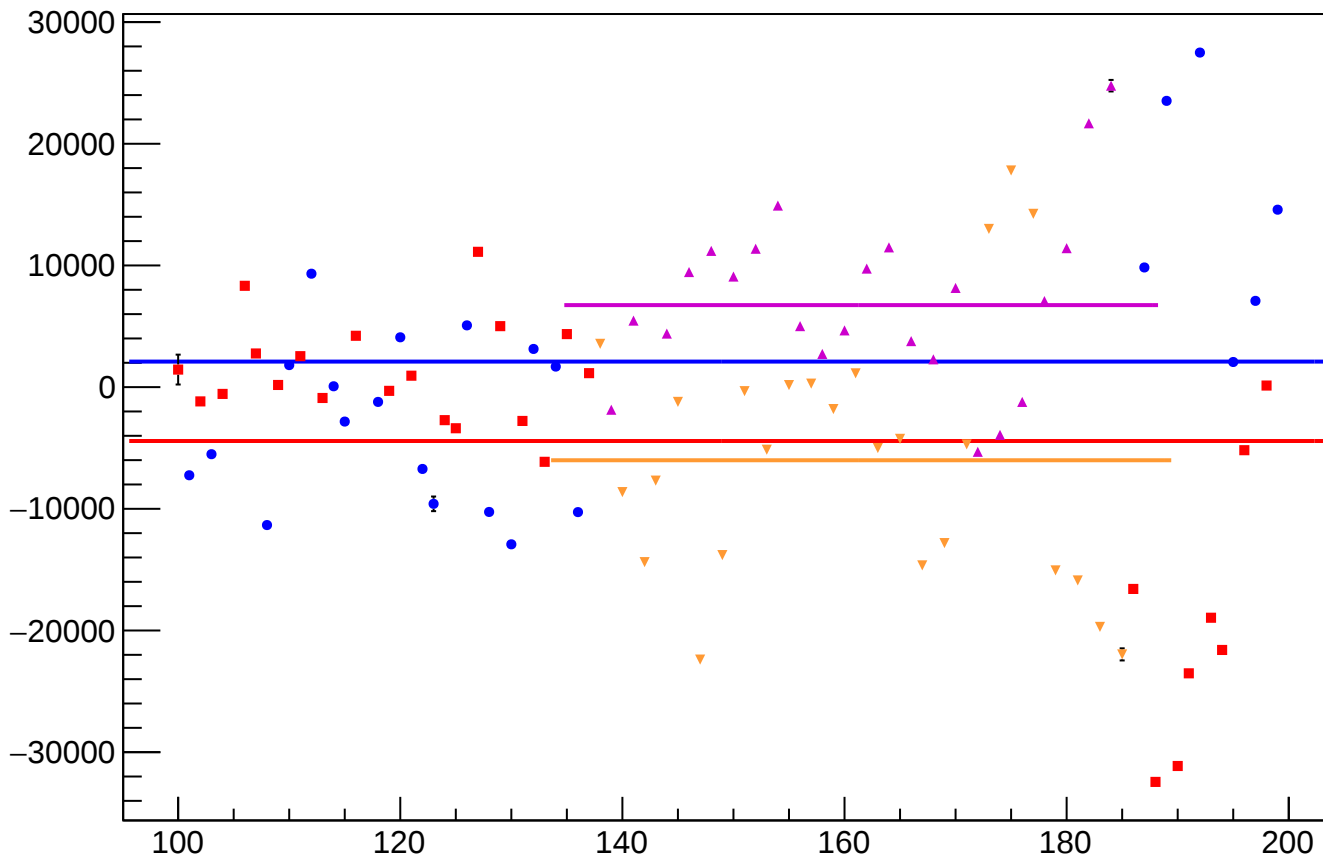
Left In: 148.569 $\pm$ 0.026 χ^2 /NDF: 2393185.0/22

+ sign 137.568 $\pm$ 0.019 χ^2 /NDF: 3626523.4/47

All: 137.235 $\pm$ 0.013 χ^2 /NDF: 7295408.5/97

- sign 136.911 $\pm$ 0.019 χ^2 /NDF: 3668272.9/49

asym_bpm2i02WS_mean vs Slug



Right In: 2099.372 $\pm$ 39.271 χ^2 /NDF: 77467.6/22

Left Out: -6009.913 $\pm$ 35.082 χ^2 /NDF: 67852.2/24

Right Out: -4427.035 $\pm$ 36.808 χ^2 /NDF: 95764.9/26

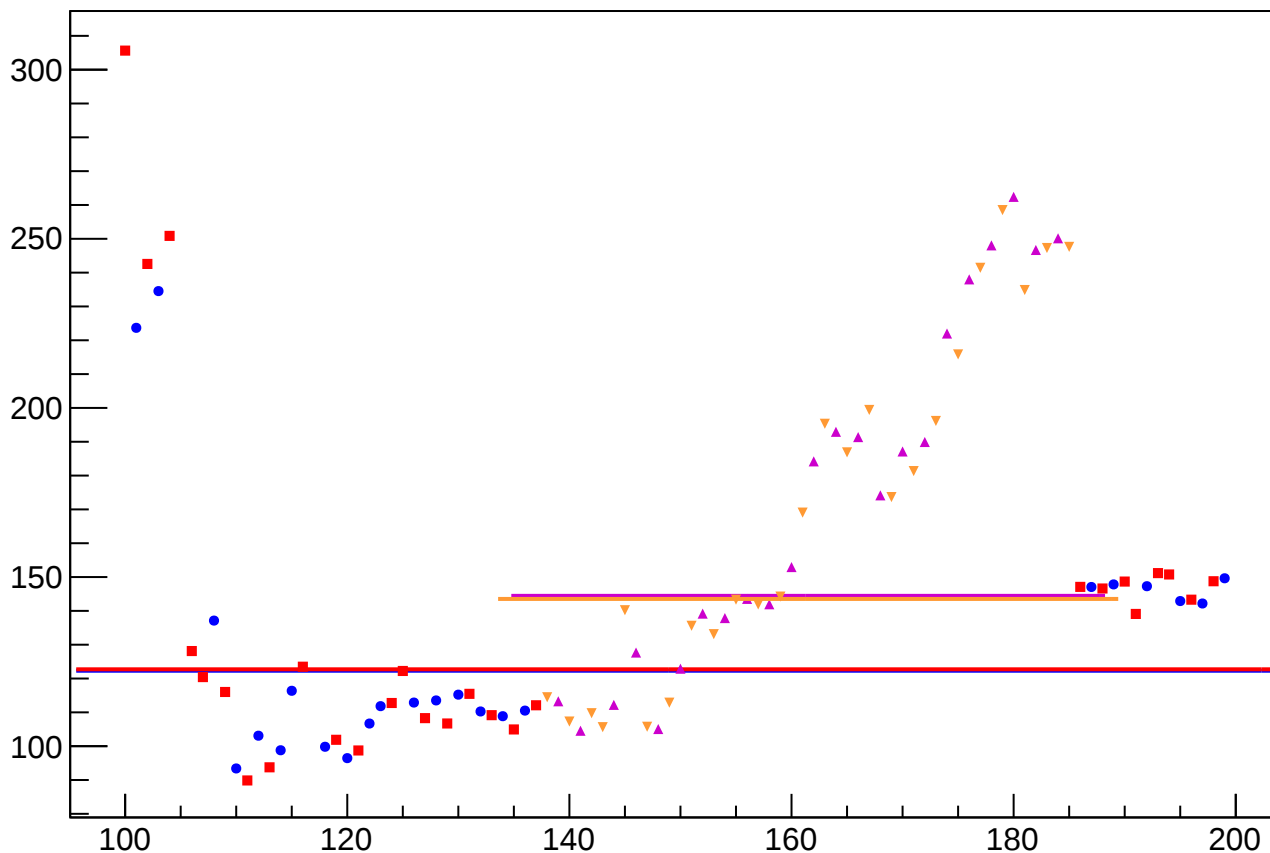
Left In: 6740.666 $\pm$ 36.379 χ^2 /NDF: 22071.8/22

+ sign -2410.654 $\pm$ 26.163 χ^2 /NDF: 169034.6/47

All: -574.062 $\pm$ 18.397 χ^2 /NDF: 343184.7/97

- sign 1222.232 $\pm$ 25.874 χ^2 /NDF: 164402.7/49

asym_bpm2i02WS_rms vs Slug



Right In: 122.309+/-0.028 χ^2/NDF : 969913.8/22

Left Out: 143.531+/-0.025 χ^2/NDF : 2704790.3/24

Right Out: 122.724+/-0.026 χ^2/NDF : 1180747.8/26

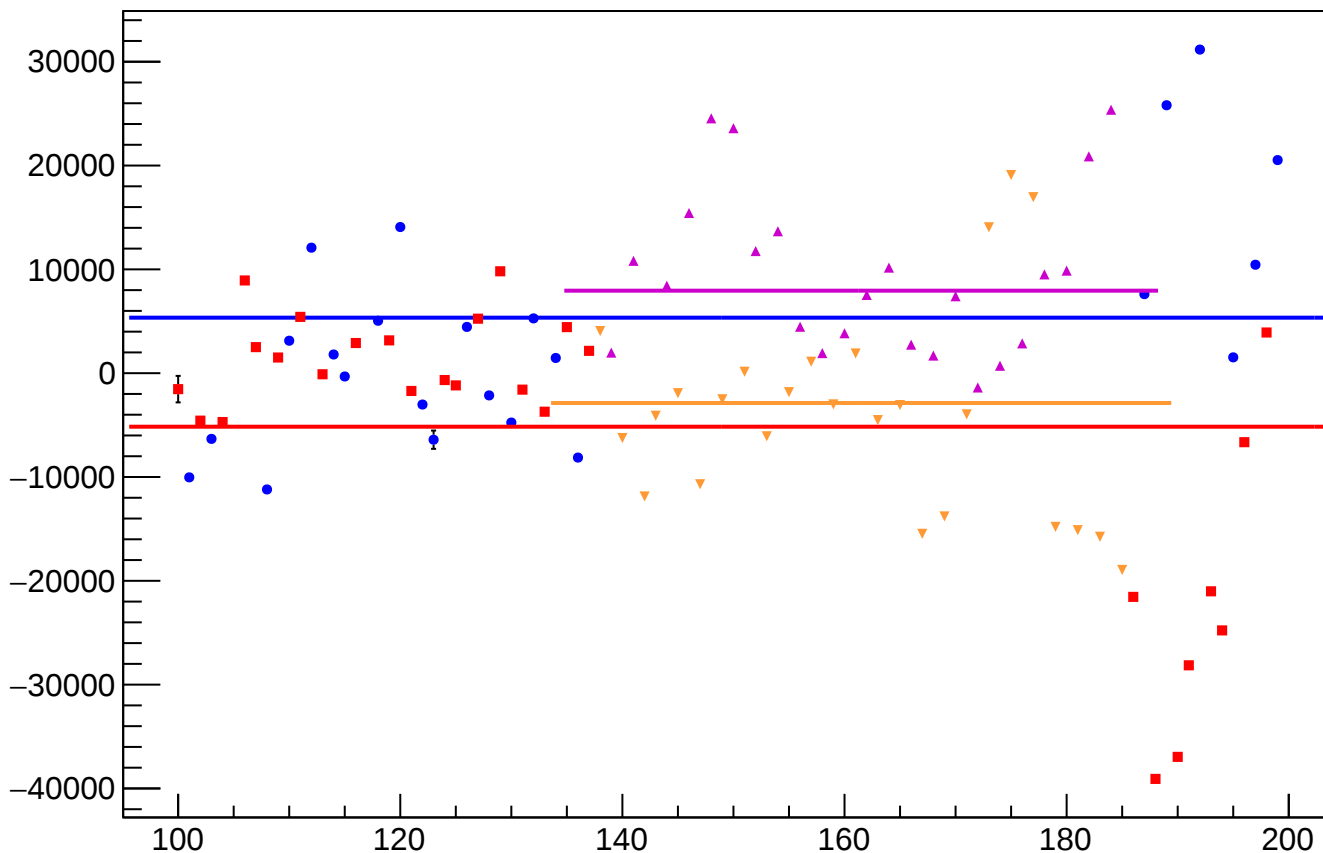
Left In: 144.440+/-0.026 χ^2/NDF : 2586926.1/22

+ sign 134.112+/-0.019 χ^2/NDF : 3999522.3/47

All: 133.908+/-0.013 χ^2/NDF : 8119579.4/97

- sign 133.709+/-0.018 χ^2/NDF : 4119817.7/49

asym_bpm0i01WS_mean vs Slug



Right In: 5347.761 ± 47.533 $\chi^2/\text{NDF}: 58687.7/22$

Left Out: -2870.473 ± 39.482 $\chi^2/\text{NDF}: 46420.3/24$

Right Out: -5155.266 ± 44.498 $\chi^2/\text{NDF}: 94406.3/26$

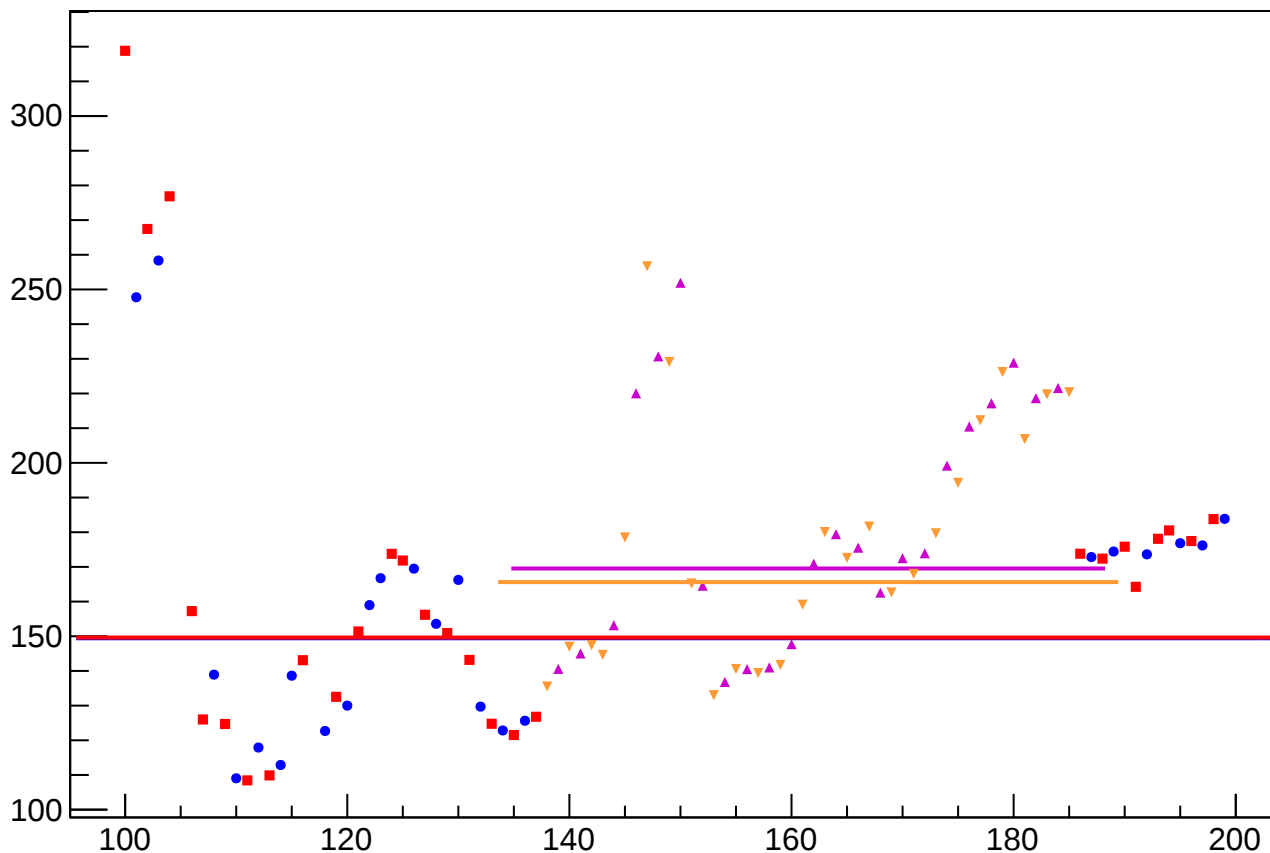
Left In: 7947.160 ± 41.726 $\chi^2/\text{NDF}: 23874.5/22$

+ sign 484.699 ± 30.372 $\chi^2/\text{NDF}: 122796.5/47$

All: 1149.275 ± 21.499 $\chi^2/\text{NDF}: 288172.4/97$

- sign 1816.733 ± 30.437 $\chi^2/\text{NDF}: 164416.3/49$

asym_bpm0i01WS_rms vs Slug



Right In: 149.424+/-0.034 χ^2/NDF : 935751.6/22

Left Out: 165.616+/-0.028 χ^2/NDF :1144779.3/24

Right Out: 149.629+/-0.031 χ^2/NDF : 1109401.8/26

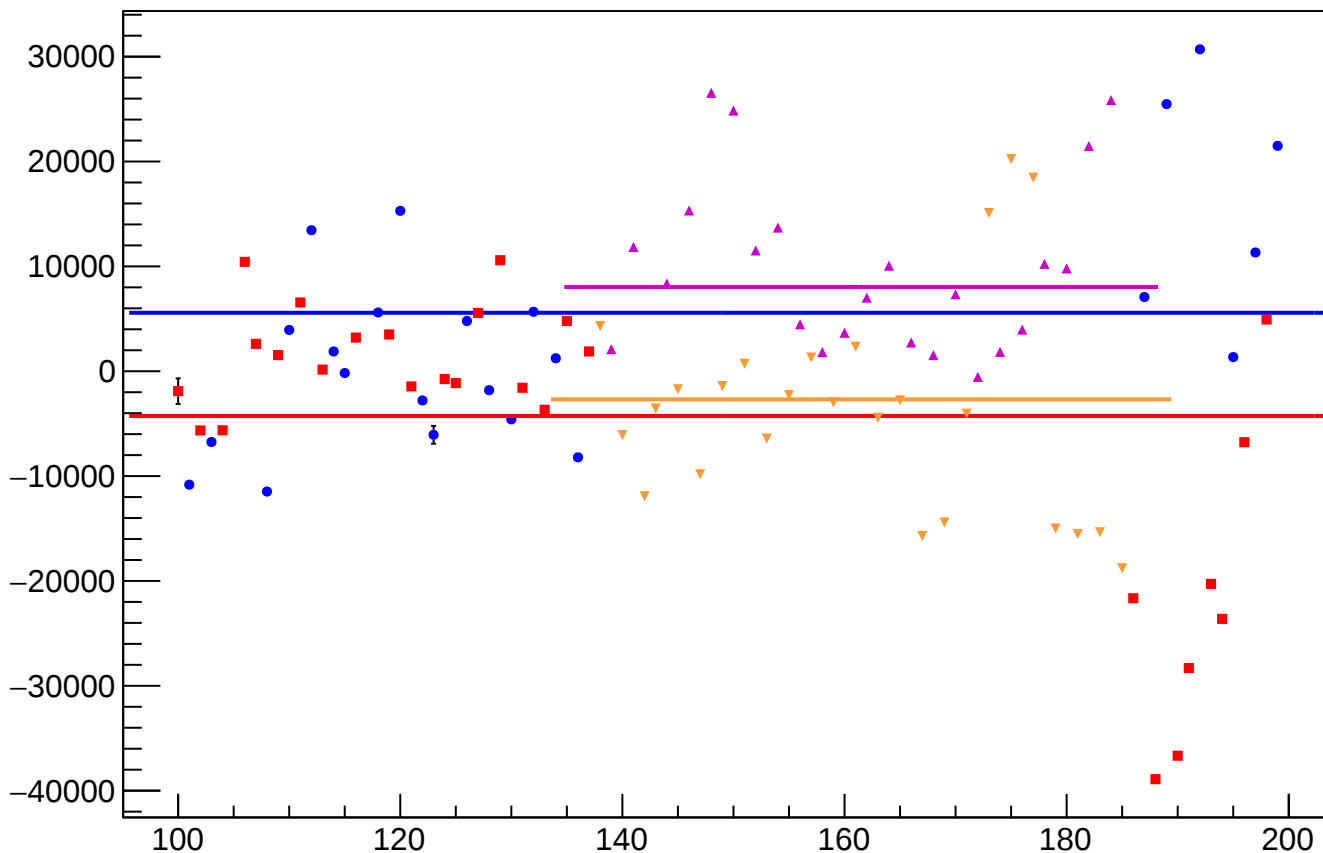
Left In: 169.542+/-0.030 χ^2/NDF :1159241.9/22

+ sign 159.006+/-0.021 χ^2/NDF : 2217869.7/47

All: 159.614+/-0.015 χ^2/NDF : 4701246.1/97

- sign 160.225+/-0.022 χ^2/NDF : 2481768.8/49

asym_bpm0i01aWS_mean vs Slug



Right In: 5576.201+/-39.939 χ^2/NDF : 82364.3/22

Left Out: -2680.012+/-35.764 χ^2/NDF : 56820.4/24

Right Out: -4263.063+/-37.125 χ^2/NDF : 131083.1/26

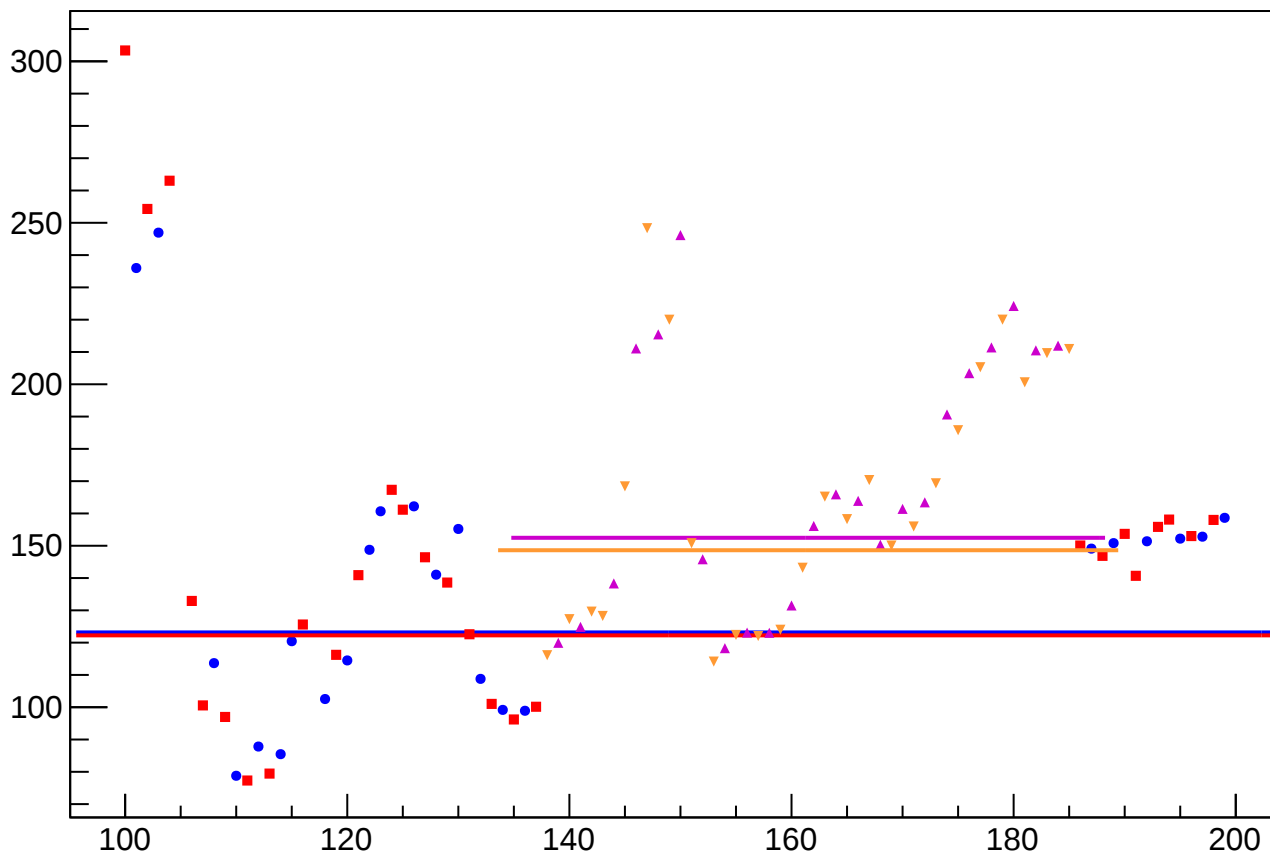
Left In: 8036.826+/-37.924 χ^2/NDF : 29261.6/22

+ sign 994.136+/-26.643 χ^2/NDF : 162901.5/47

All: 1376.632+/-18.799 χ^2/NDF : 377370.9/97

- sign 1755.877+/-26.529 χ^2/NDF : 214059.0/49

asym_bpm0i01aWS_rms vs Slug



Right In: 123.161+/-0.028 χ^2/NDF : 1536612.6/22

Left Out: 148.611+/-0.025 χ^2/NDF : 1685424.1/24

Right Out: 122.252+/-0.026 χ^2/NDF : 1847160.0/26

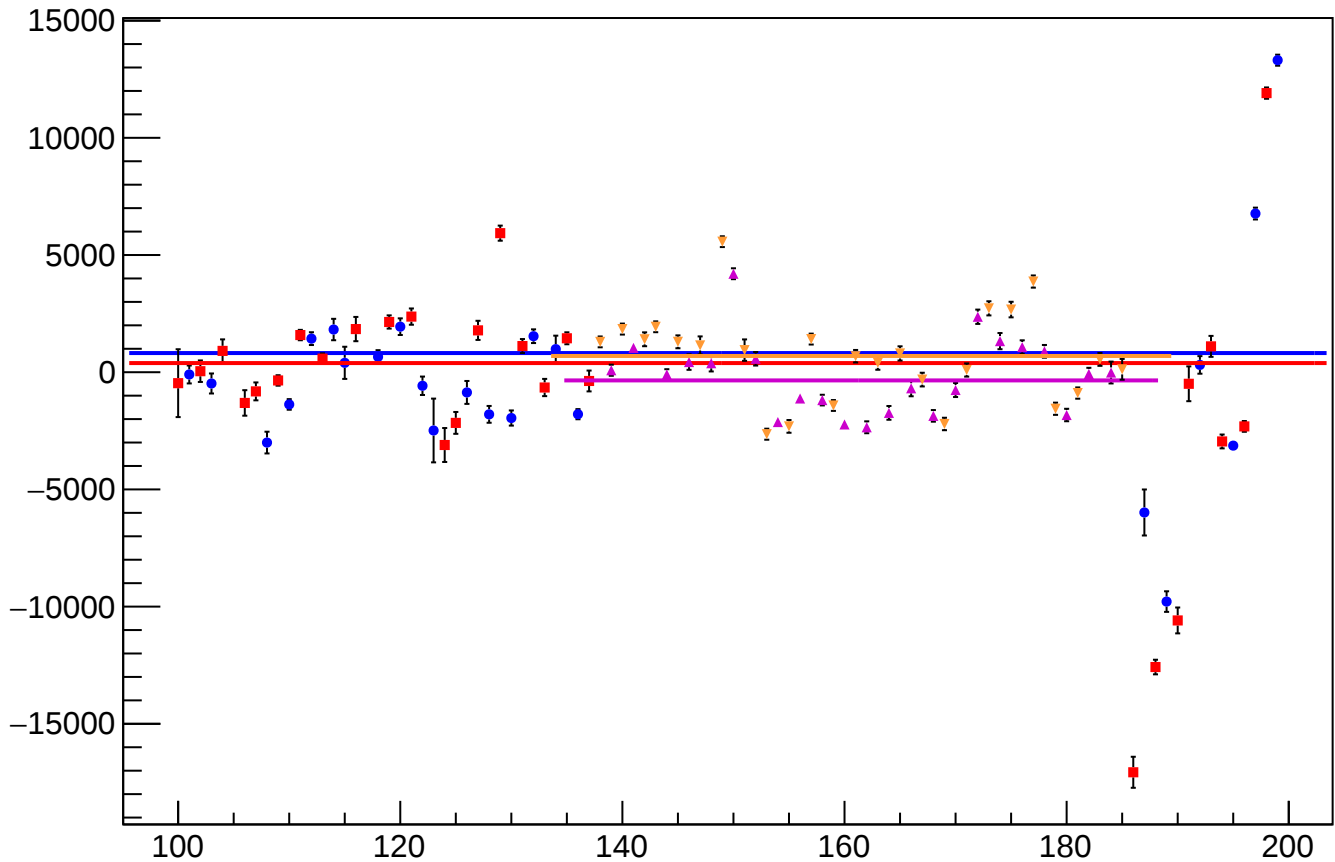
Left In: 152.463+/-0.027 χ^2/NDF : 1691517.7/22

+ sign 137.285+/-0.019 χ^2/NDF : 3672739.0/47

All: 137.160+/-0.013 χ^2/NDF : 7859608.8/97

- sign 137.036+/-0.019 χ^2/NDF : 4186782.1/49

asym_bpm0l01WS_mean vs Slug



Right In: 817.614 ± 68.879 $\chi^2/\text{NDF}: 4854.1/22$

Left Out: 692.998 ± 54.303 $\chi^2/\text{NDF}: 1422.0/24$

Right Out: 390.327 ± 65.079 $\chi^2/\text{NDF}: 5906.4/26$

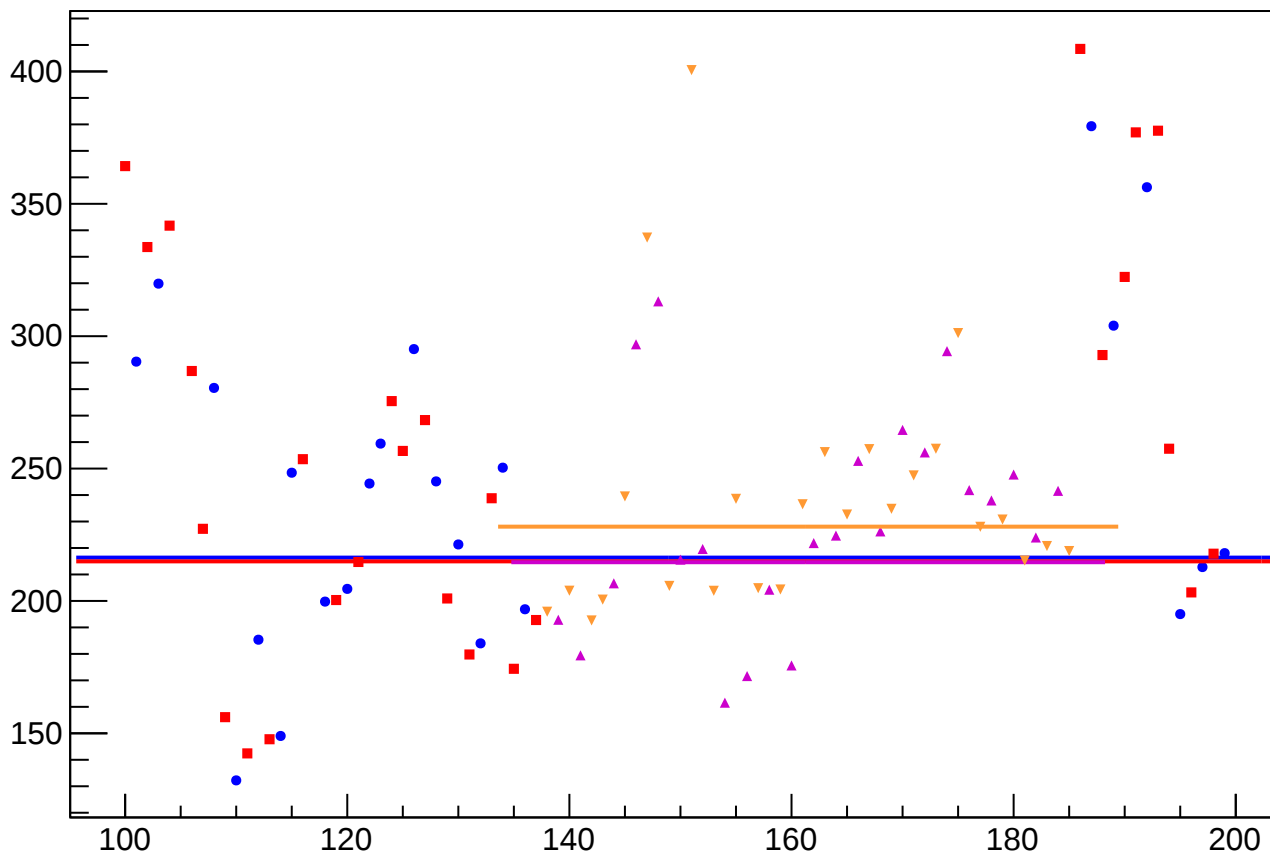
Left In: -349.623 ± 53.094 $\chi^2/\text{NDF}: 981.0/22$

+ sign 740.765 ± 42.644 $\chi^2/\text{NDF}: 6278.2/47$

All: 329.151 ± 29.608 $\chi^2/\text{NDF}: 13423.1/97$

- sign -53.931 ± 41.140 $\chi^2/\text{NDF}: 6965.0/49$

asym_bpm0l01WS_rms vs Slug



Right In: 216.367 $\pm$ 0.049 χ^2 /NDF: 1148927.9/22

Left Out: 228.061 $\pm$ 0.038 χ^2 /NDF: 826343.8/24

Right Out: 214.946 $\pm$ 0.046 χ^2 /NDF: 1814629.8/26

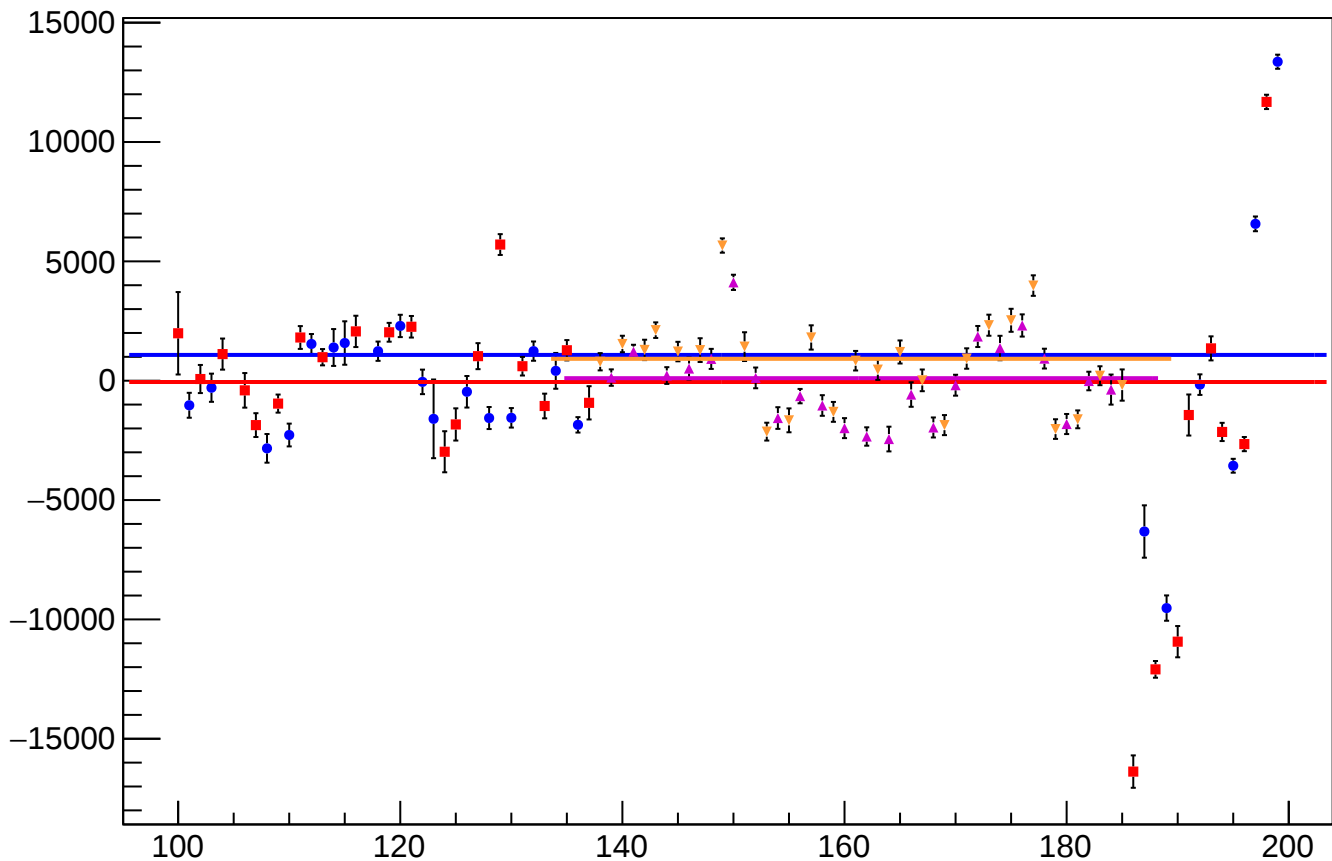
Left In: 214.627 $\pm$ 0.038 χ^2 /NDF: 1025683.3/22

+ sign 223.579 $\pm$ 0.030 χ^2 /NDF: 2010819.1/47

All: 219.008 $\pm$ 0.021 χ^2 /NDF: 4895516.7/97

- sign 214.754 $\pm$ 0.029 χ^2 /NDF: 2840341.9/49

asym_bpm0l02WS_mean vs Slug



Right In: 1080.314 $\pm$ 94.831 χ^2 /NDF: 3041.6/22

Left Out: 915.968 $\pm$ 83.398 χ^2 /NDF: 618.3/24

Right Out: -54.066 $\pm$ 90.387 χ^2 /NDF: 4010.7/26

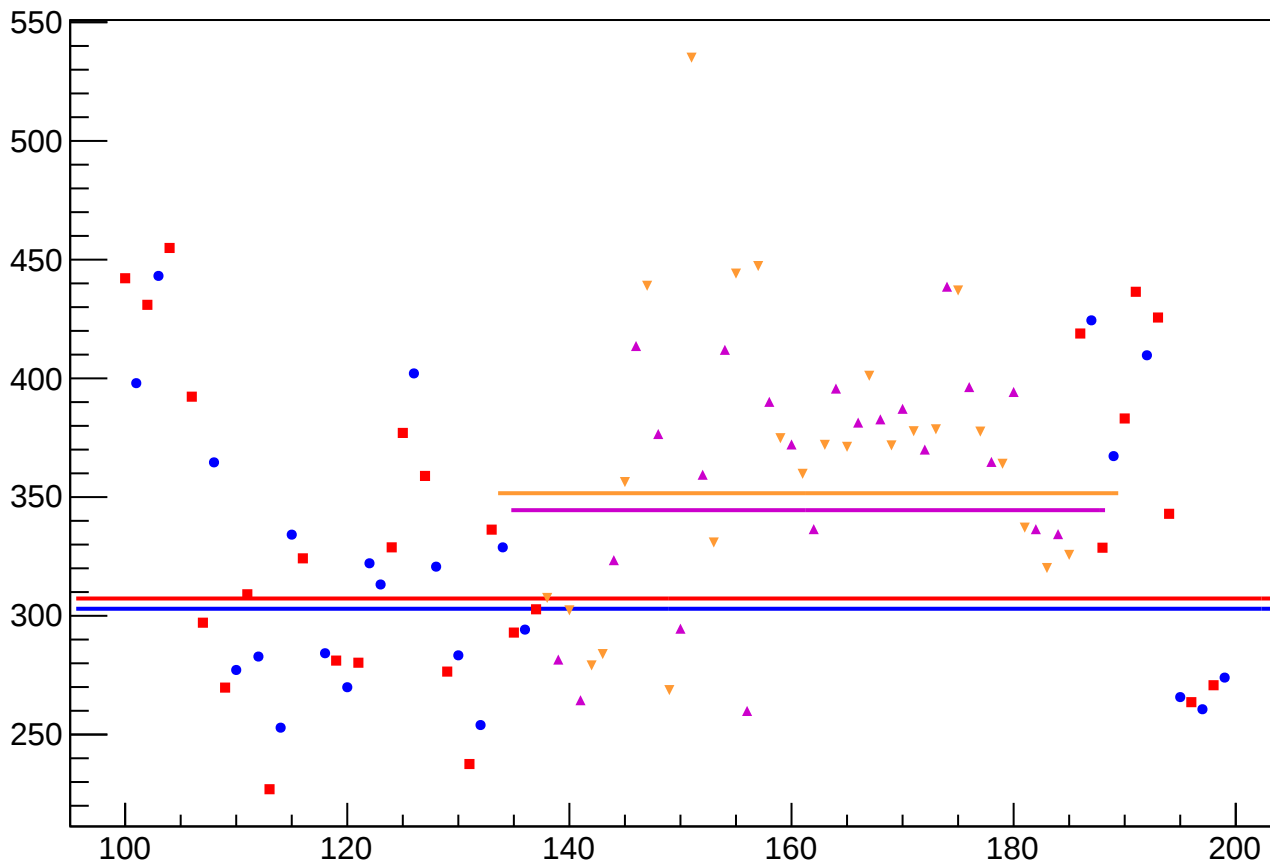
Left In: 106.116 $\pm$ 84.393 χ^2 /NDF: 390.3/22

+ sign 987.641 $\pm$ 62.626 χ^2 /NDF: 3661.6/47

All: 502.342 $\pm$ 43.947 χ^2 /NDF: 8182.6/97

- sign 31.512 $\pm$ 61.685 χ^2 /NDF: 4402.7/49

asym_bpm0l02WS_rms vs Slug



Right In: 302.969 $\pm$ 0.067 χ^2 /NDF: 590585.8/22

Left Out: 351.633 $\pm$ 0.059 χ^2 /NDF: 907849.3/24

Right Out: 307.287 $\pm$ 0.064 χ^2 /NDF: 836611.8/26

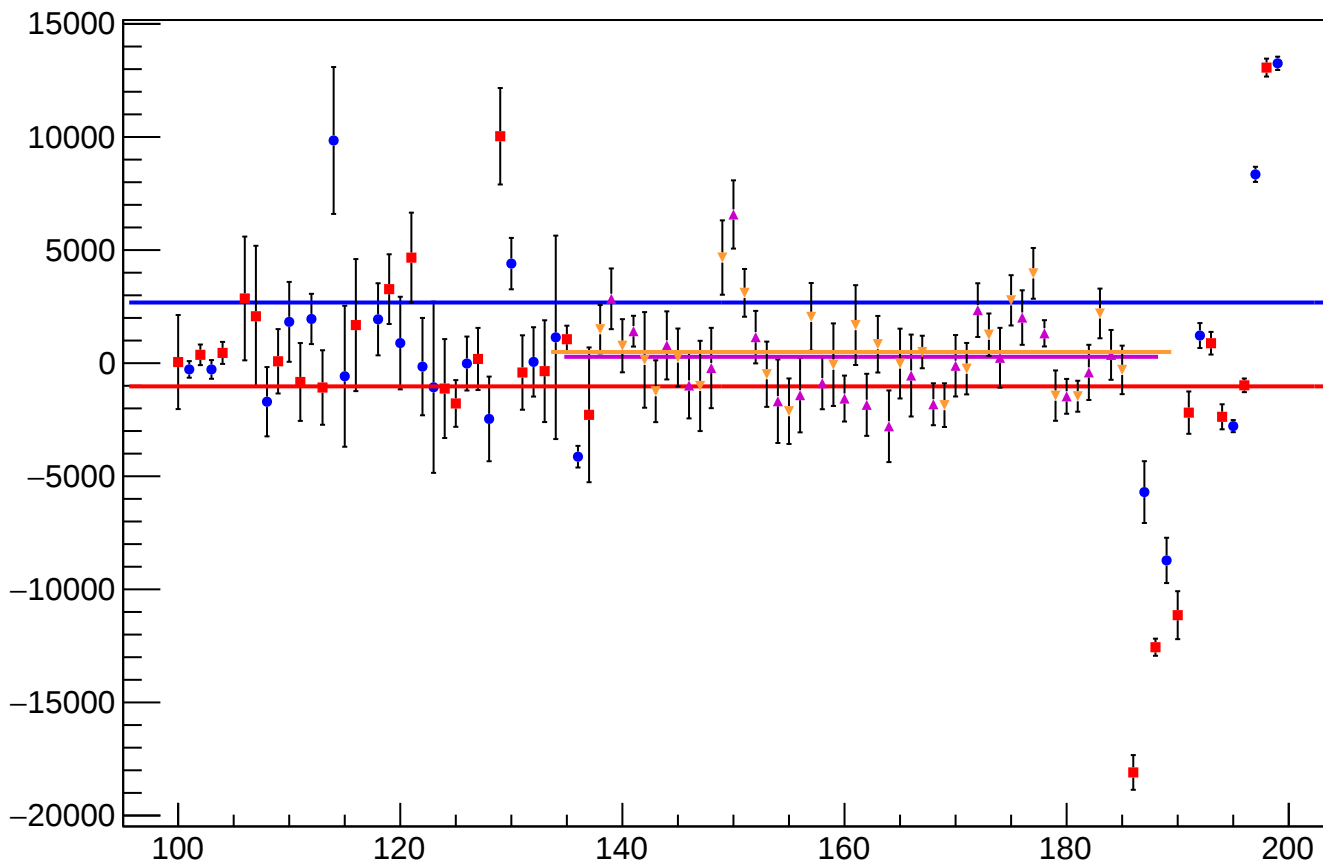
Left In: 344.491 $\pm$ 0.060 χ^2 /NDF: 768885.4/22

+ sign 330.410 $\pm$ 0.044 χ^2 /NDF: 1795419.3/47

All: 328.762 $\pm$ 0.031 χ^2 /NDF: 3584667.9/97

- sign 327.163 $\pm$ 0.044 χ^2 /NDF: 1786520.7/49

asym_bpm0l03WS_mean vs Slug



Right In: 2681.841 ± 127.260 $\chi^2/\text{NDF}: 2525.0/22$

Left Out: 495.014 ± 231.058 $\chi^2/\text{NDF}: 56.2/24$

Right Out: -1025.738 ± 138.398 $\chi^2/\text{NDF}: 2881.7/26$

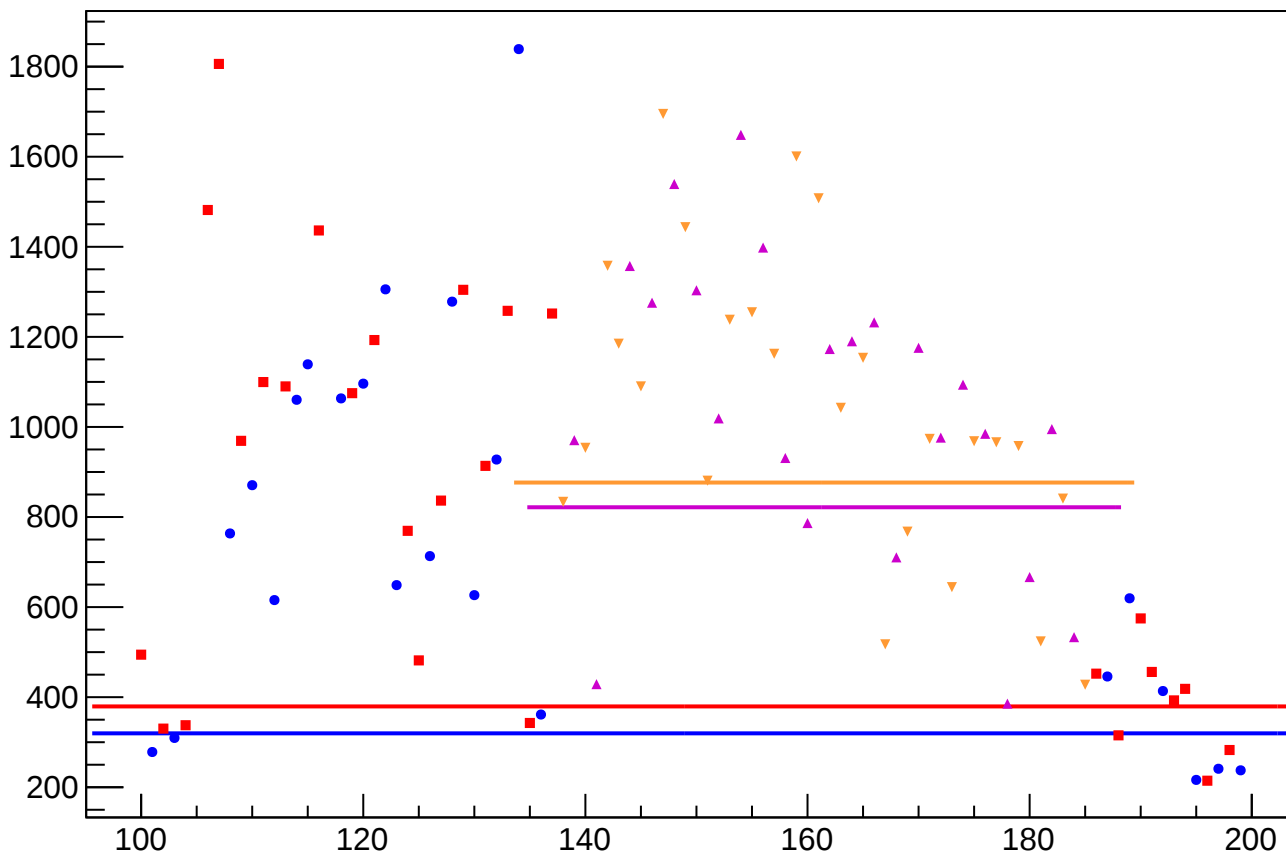
Left In: 280.692 ± 232.048 $\chi^2/\text{NDF}: 57.2/22$

+ sign 2172.870 ± 111.471 $\chi^2/\text{NDF}: 2650.0/47$

All: 836.514 ± 81.309 $\chi^2/\text{NDF}: 5919.3/97$

- sign -682.952 ± 118.863 $\chi^2/\text{NDF}: 2962.2/49$

asym_bpm0l03WS_rms vs Slug



Right In: 319.688+/-0.090 χ^2/NDF : 4195368.6/22

Left Out: 876.560+/-0.163 χ^2/NDF :3434698.7/24

Right Out: 379.451+/-0.098 χ^2/NDF : 5119150.6/26

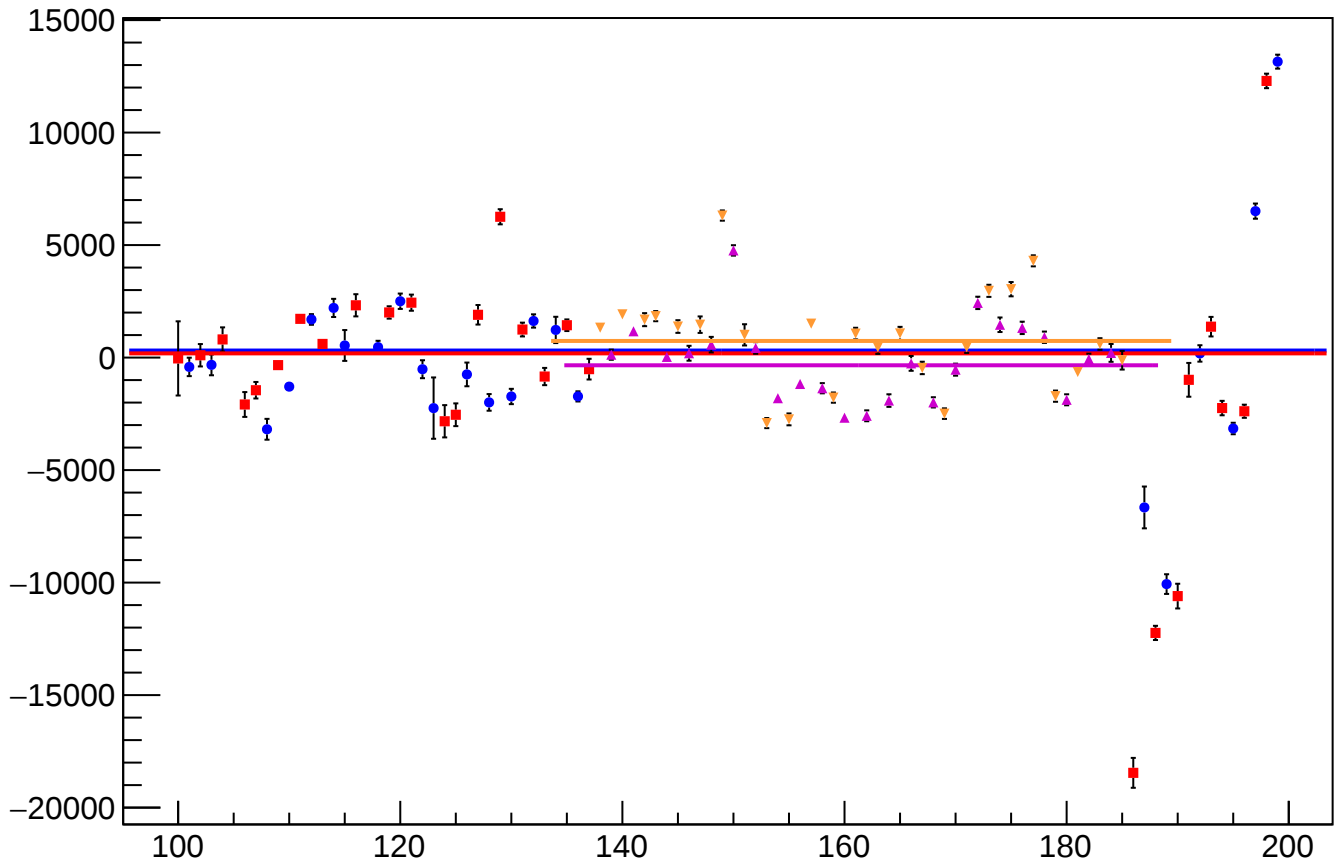
Left In: 821.657+/-0.164 χ^2/NDF :4443094.2/22

+ sign 449.297+/-0.079 χ^2/NDF : 16543356.0/47

All: 470.907+/-0.057 χ^2/NDF : 31623665.2/97

- sign 495.479+/-0.084 χ^2/NDF : 14919675.4/49

asym_bpm0l04WS_mean vs Slug



Right In: 312.764 $\pm$ 71.583 χ^2 /NDF: 3261.5/22

Left Out: 738.847 $\pm$ 51.649 χ^2 /NDF:1935.2/24

Right Out: 186.601 $\pm$ 65.791 χ^2 /NDF: 4921.0/26

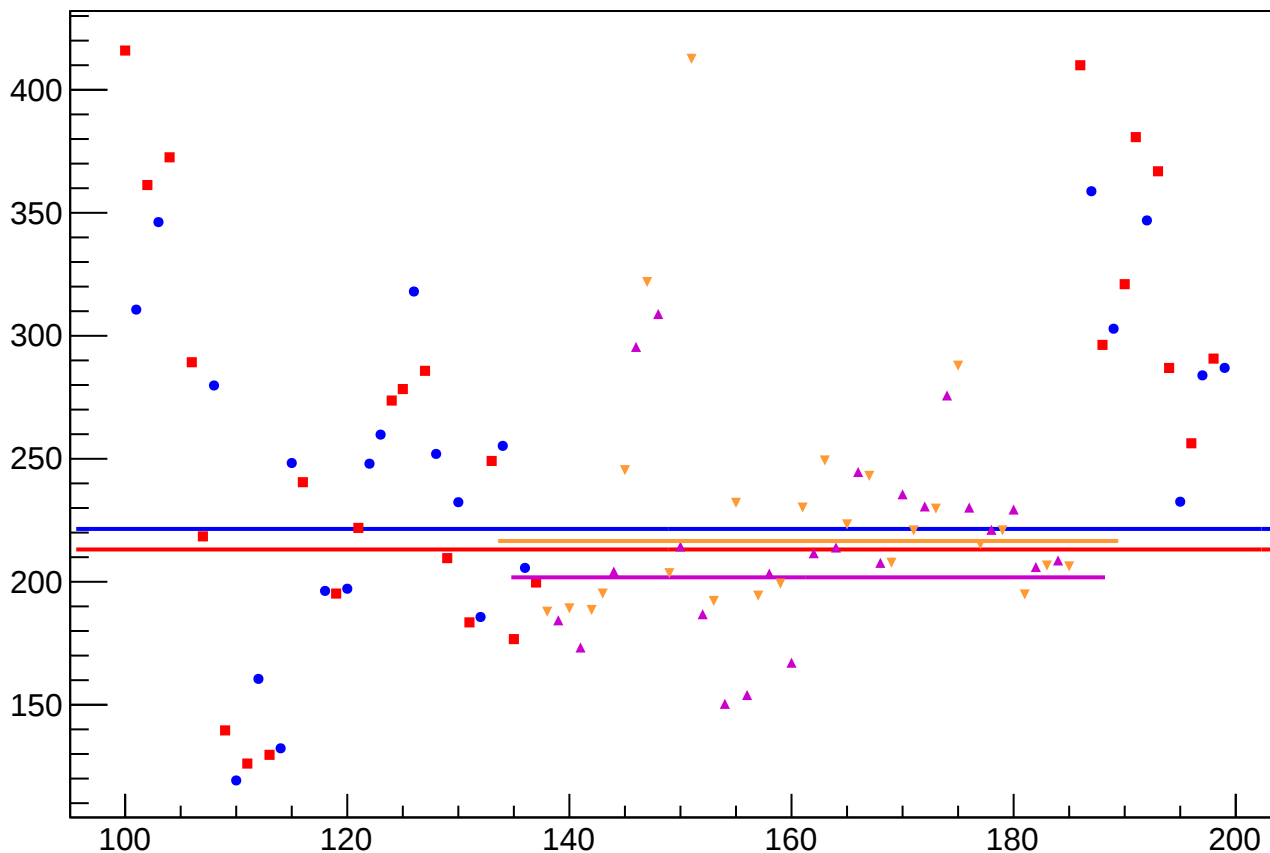
Left In: -342.465 $\pm$ 50.044 χ^2 /NDF:1254.9/22

+ sign 592.970 $\pm$ 41.885 χ^2 /NDF: 5220.0/47

All: 203.586 $\pm$ 28.863 χ^2 /NDF: 11601.5/97

- sign -148.548 $\pm$ 39.831 χ^2 /NDF: 6216.9/49

asym_bpm0l04WS_rms vs Slug



Right In: 221.488+/-0.051 χ^2/NDF : 1678971.9/22

Left Out: 216.574+/-0.037 χ^2/NDF : 886214.1/24

Right Out: 213.137+/-0.047 χ^2/NDF : 2646449.5/26

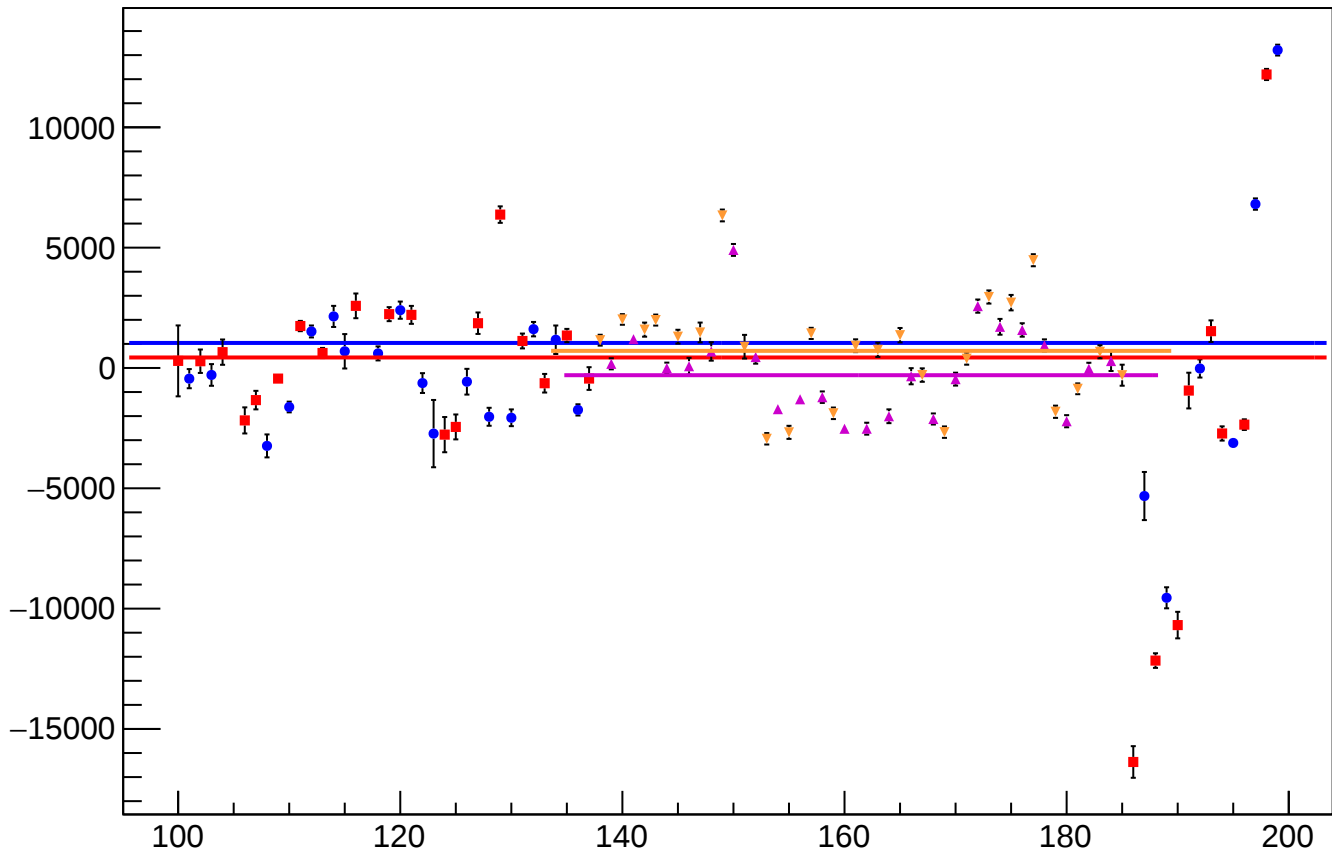
Left In: 201.805+/-0.035 χ^2/NDF : 1087243.4/22

+ sign 218.257+/-0.030 χ^2/NDF : 2571385.1/47

All: 211.799+/-0.020 χ^2/NDF : 6433203.1/97

- sign 205.959+/-0.028 χ^2/NDF : 3771277.8/49

asym_bpm0l05WS_mean vs Slug



Right In: 1040.140 $\pm$ 69.014 χ^2 /NDF: 5131.6/22

Left Out: 711.174 $\pm$ 53.245 χ^2 /NDF:1835.3/24

Right Out: 436.093 $\pm$ 65.036 χ^2 /NDF: 6211.3/26

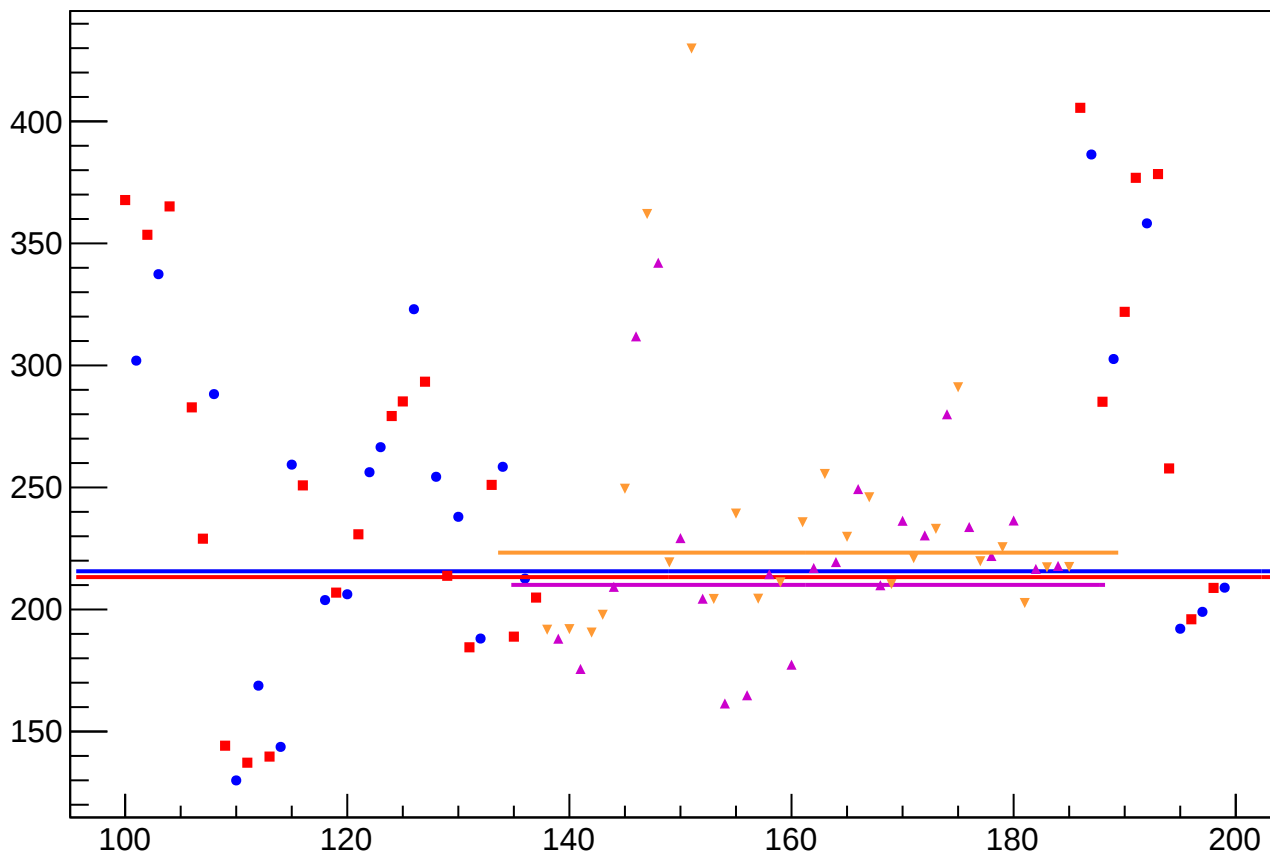
Left In: -300.516 $\pm$ 51.984 χ^2 /NDF:1208.6/22

+ sign 833.921 $\pm$ 42.157 χ^2 /NDF: 6981.2/47

All: 394.412 $\pm$ 29.246 χ^2 /NDF: 14688.9/97

- sign -13.361 $\pm$ 40.606 χ^2 /NDF: 7498.2/49

asym_bpm0l05WS_rms vs Slug



Right In: 215.663 $\pm$ 0.049 χ^2 /NDF: 1340142.5/22

Left Out: 223.296 $\pm$ 0.038 χ^2 /NDF: 922768.4/24

Right Out: 213.270 $\pm$ 0.046 χ^2 /NDF: 2084195.7/26

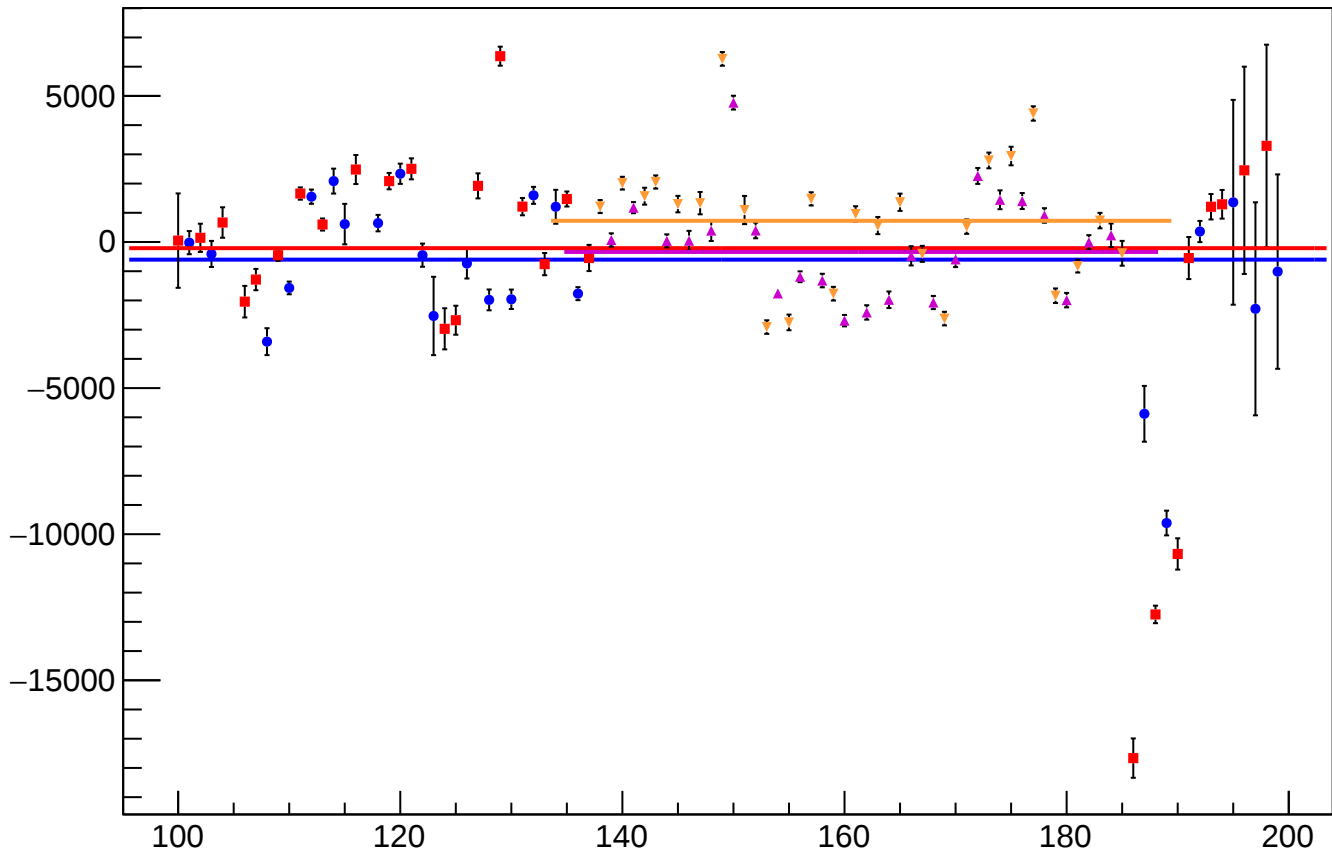
Left In: 210.080 $\pm$ 0.037 χ^2 /NDF: 1015274.5/22

+ sign 220.448 $\pm$ 0.030 χ^2 /NDF: 2278249.0/47

All: 215.715 $\pm$ 0.021 χ^2 /NDF: 5429256.7/97

- sign 211.324 $\pm$ 0.029 χ^2 /NDF: 3102407.2/49

asym_bpm0l06WS_mean vs Slug



Right In: -603.435 ± 79.138 $\chi^2/\text{NDF}: 892.1/22$

Left Out: 725.866 ± 52.158 $\chi^2/\text{NDF}: 1912.7/24$

Right Out: -211.007 ± 70.032 $\chi^2/\text{NDF}: 3633.2/26$

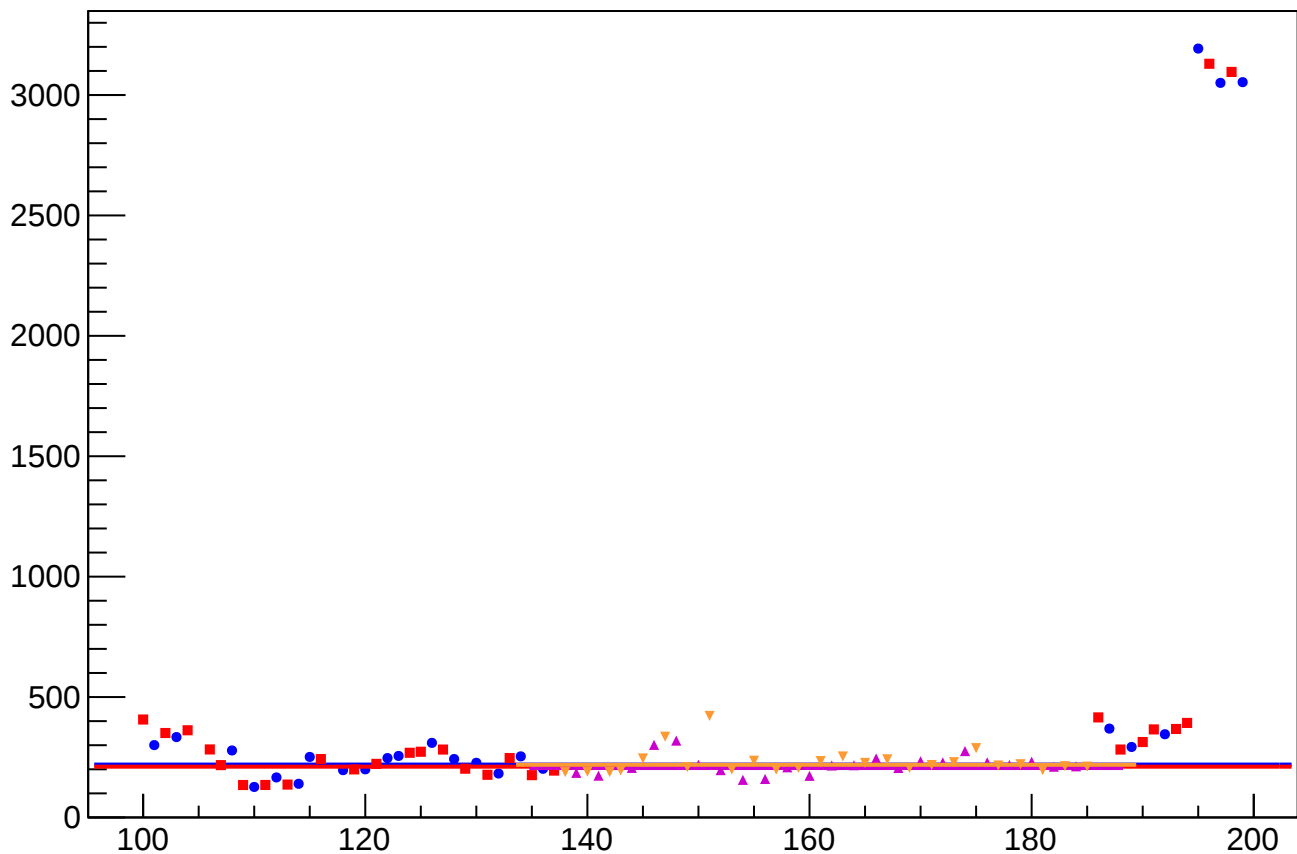
Left In: -340.502 ± 50.802 $\chi^2/\text{NDF}: 1201.8/22$

+ sign 323.302 ± 43.550 $\chi^2/\text{NDF}: 3001.6/47$

All: -4.018 ± 29.899 $\chi^2/\text{NDF}: 7945.7/97$

- sign -295.853 ± 41.122 $\chi^2/\text{NDF}: 4837.3/49$

asym_bpm0l06WS_rms vs Slug



Right In: 219.621 $\pm$ 0.056 χ^2 /NDF: 5380141.6/22

Left Out: 218.768 $\pm$ 0.037 χ^2 /NDF: 896914.5/24

Right Out: 210.885 $\pm$ 0.050 χ^2 /NDF: 5163724.4/26

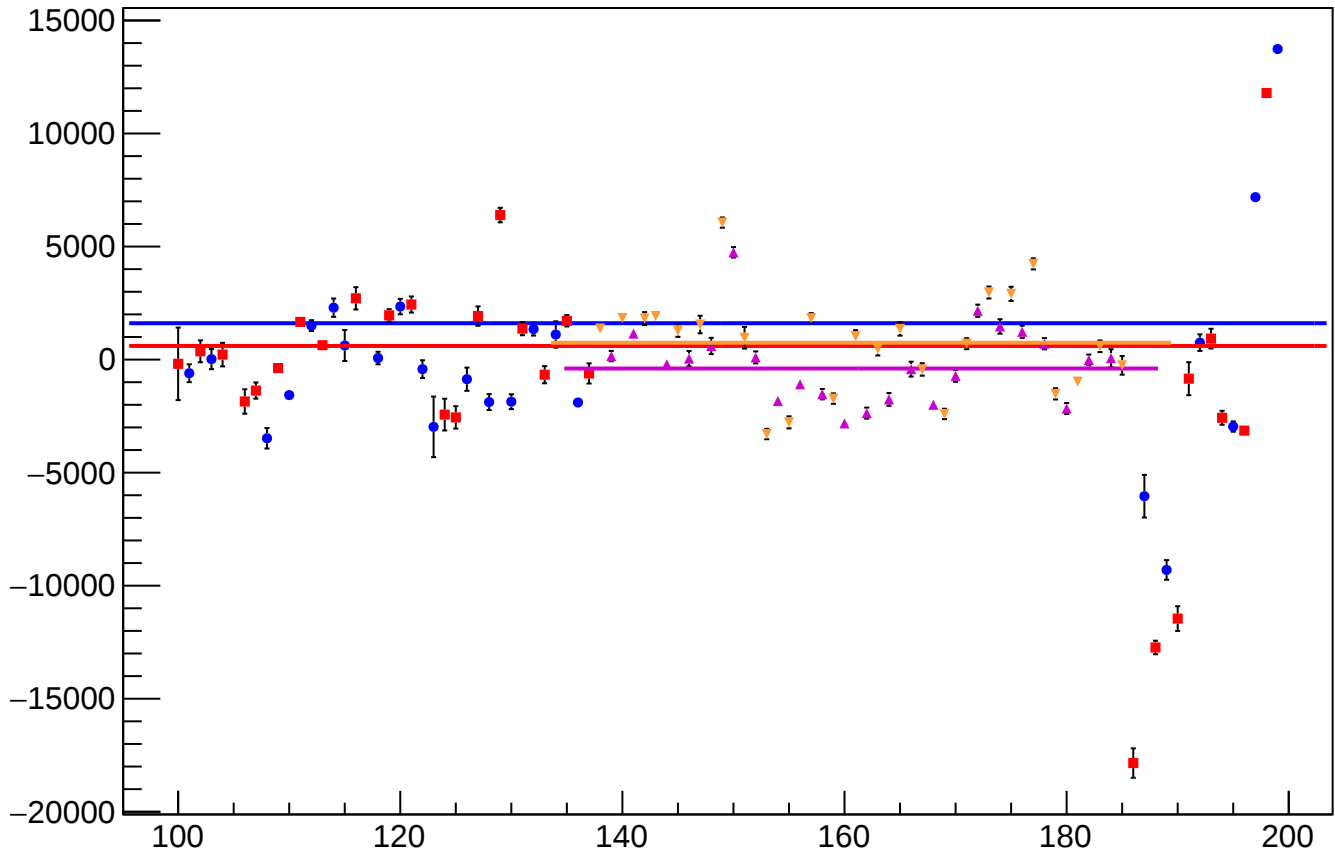
Left In: 205.249 $\pm$ 0.036 χ^2 /NDF: 997168.8/22

+ sign 219.027 $\pm$ 0.031 χ^2 /NDF: 6277217.9/47

All: 212.770 $\pm$ 0.021 χ^2 /NDF: 12524673.4/97

- sign 207.192 $\pm$ 0.029 χ^2 /NDF: 6169379.3/49

asym_bpm0l07WS_mean vs Slug



Right In: 1608.685 $\pm$ 65.442 χ^2 /NDF: 6755.3/22

Left Out: 746.405 $\pm$ 51.592 χ^2 /NDF:1942.1/24

Right Out: 604.791 $\pm$ 61.673 χ^2 /NDF: 7345.1/26

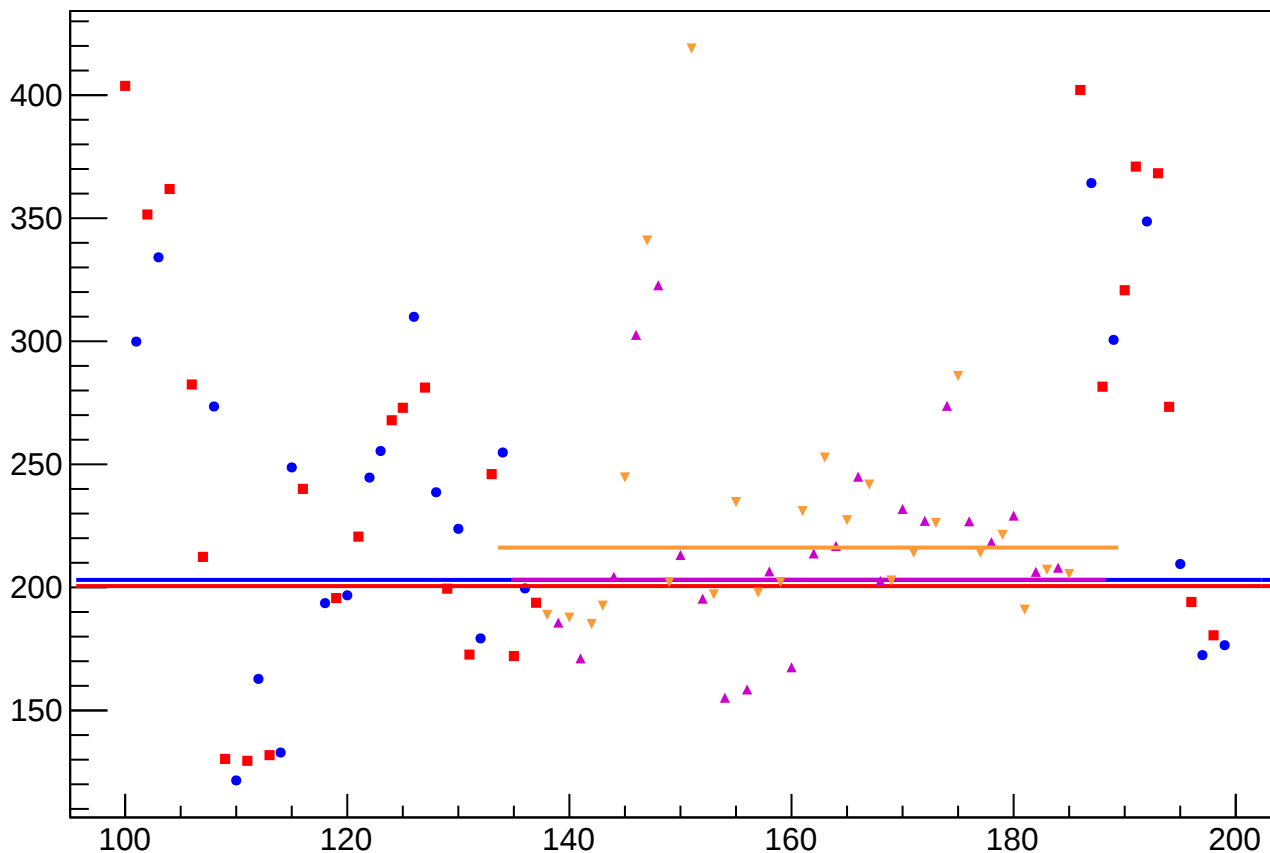
Left In: -394.379 $\pm$ 50.311 χ^2 /NDF:1236.4/22

+ sign 1076.910 $\pm$ 40.515 χ^2 /NDF: 8804.5/47

All: 520.255 $\pm$ 28.092 χ^2 /NDF: 17907.1/97

- sign 4.866 $\pm$ 38.985 χ^2 /NDF: 8739.1/49

asym_bpm0l07WS_rms vs Slug



Right In: 203.049 $\pm$ 0.046 χ^2 /NDF: 1501199.5/22

Left Out: 216.178 $\pm$ 0.036 χ^2 /NDF: 946050.8/24

Right Out: 200.533 $\pm$ 0.044 χ^2 /NDF: 2423519.6/26

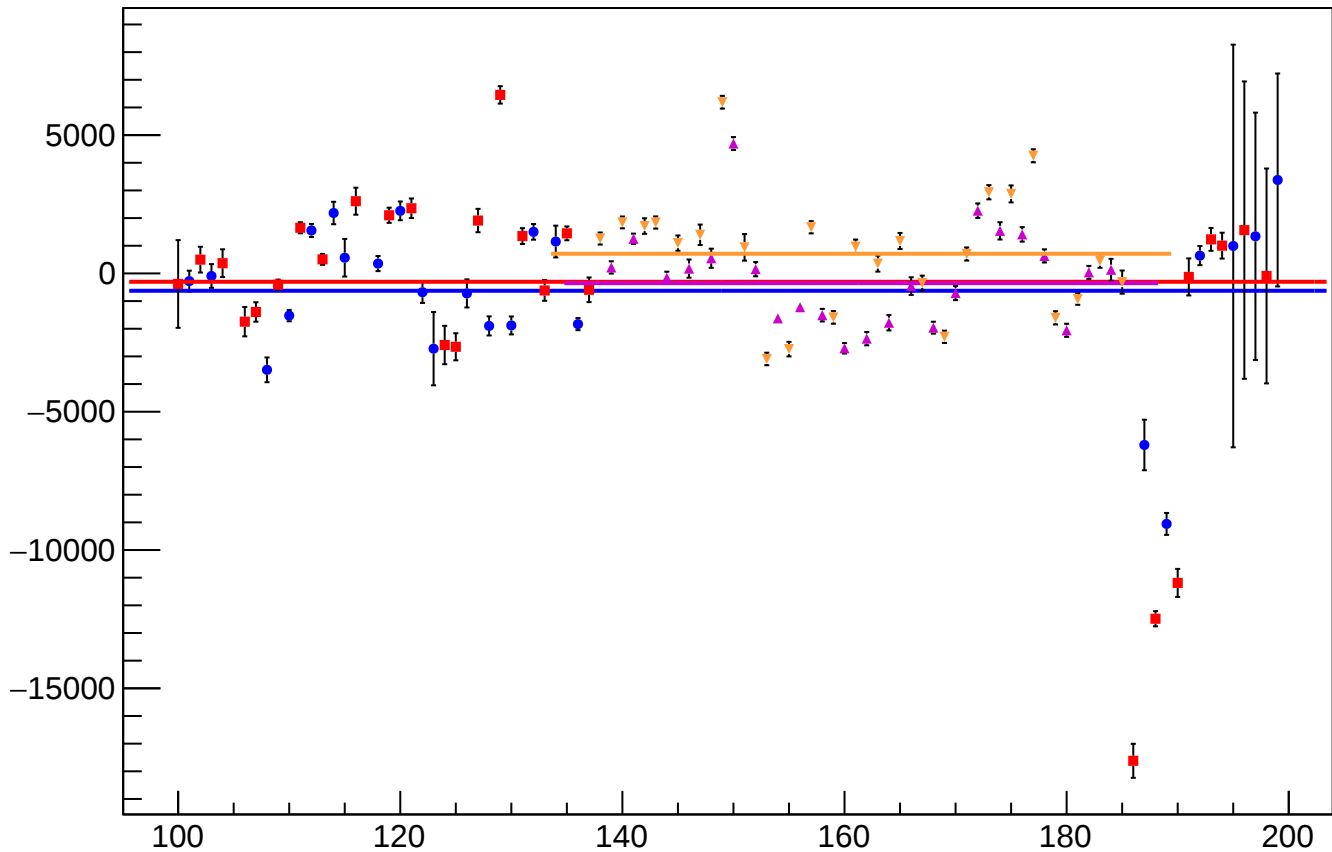
Left In: 203.101 $\pm$ 0.036 χ^2 /NDF: 1038013.0/22

+ sign 211.146 $\pm$ 0.029 χ^2 /NDF: 2496890.0/47

All: 206.436 $\pm$ 0.020 χ^2 /NDF: 6012564.4/97

- sign 202.075 $\pm$ 0.028 χ^2 /NDF: 3463615.1/49

asym_bpm0l08WS_mean vs Slug



Right In: -627.559 ± 76.489 χ^2/NDF : 916.0/22

Left Out: 710.238 ± 50.750 χ^2/NDF : 1932.3/24

Right Out: -302.407 ± 67.157 χ^2/NDF : 4161.3/26

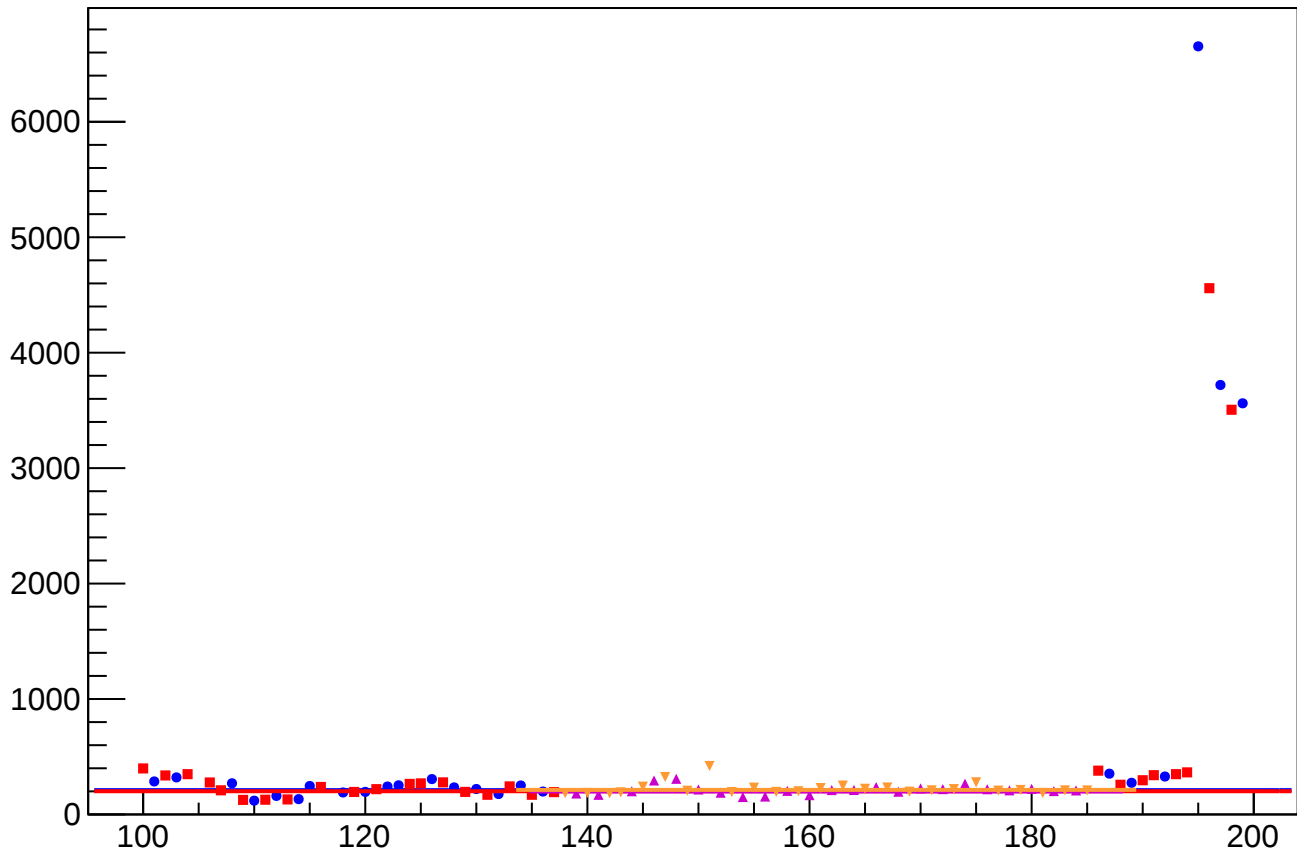
Left In: -352.432 ± 49.316 χ^2/NDF : 1233.1/22

+ sign 301.318 ± 42.289 χ^2/NDF : 3060.7/47

All: -36.466 ± 28.963 χ^2/NDF : 8575.6/97

- sign -334.907 ± 39.750 χ^2/NDF : 5394.7/49

asym_bpm0l08WS_rms vs Slug



Right In: 210.656+/-0.054 χ^2/NDF : 5615545.1/22

Left Out: 212.718+/-0.036 χ^2/NDF : 916225.9/24

Right Out: 201.152+/-0.047 χ^2/NDF : 5171812.6/26

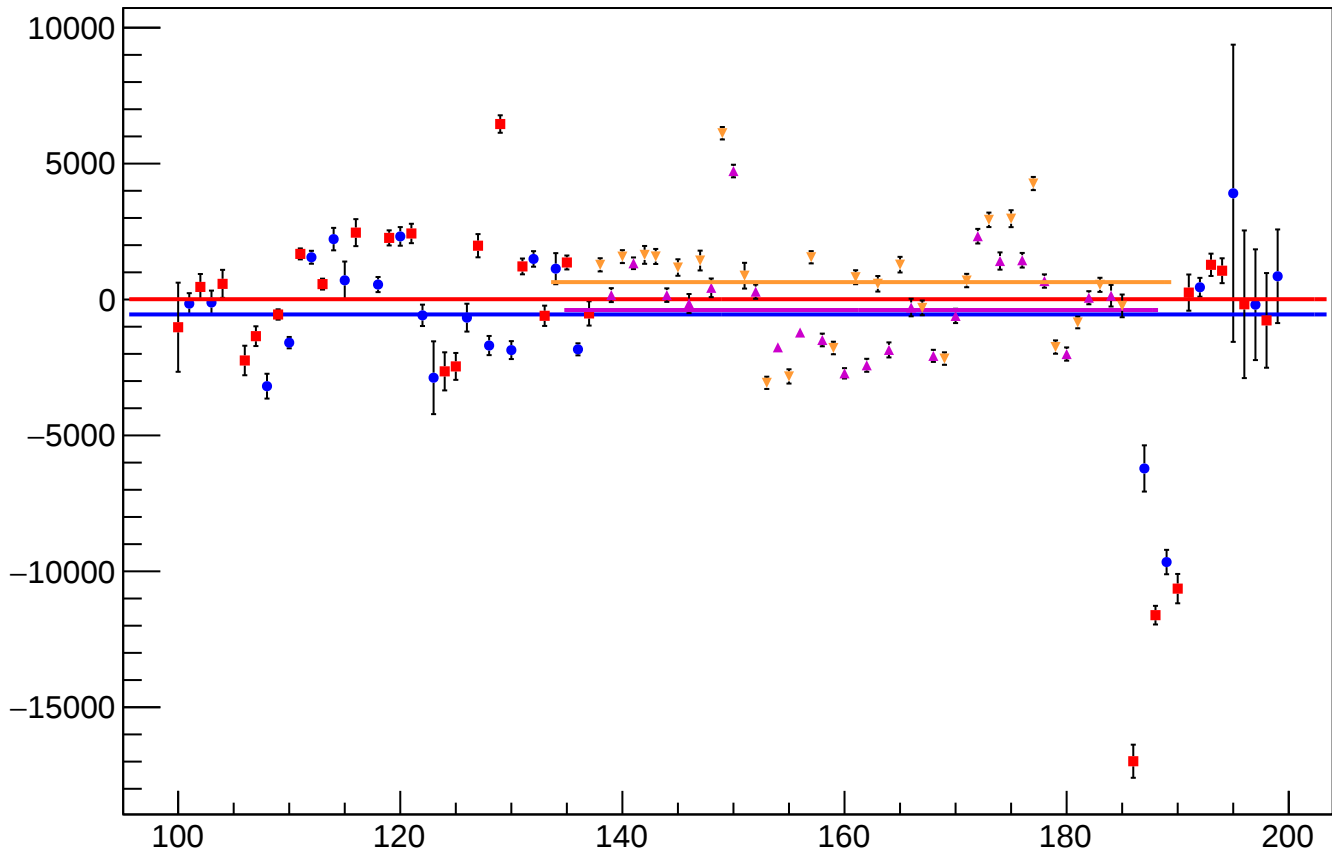
Left In: 199.142+/-0.035 χ^2/NDF : 985932.4/22

+ sign 212.088+/-0.030 χ^2/NDF : 6532780.7/47

All: 205.589+/-0.020 χ^2/NDF : 12780670.9/97

- sign 199.846+/-0.028 χ^2/NDF : 6158908.8/49

asym_bpm0l09WS_mean vs Slug



Right In: -549.068 ± 77.730 χ^2/NDF : 860.3/22

Left Out: 639.995 ± 52.708 χ^2/NDF : 1859.2/24

Right Out: 11.340 ± 69.031 χ^2/NDF : 3096.1/26

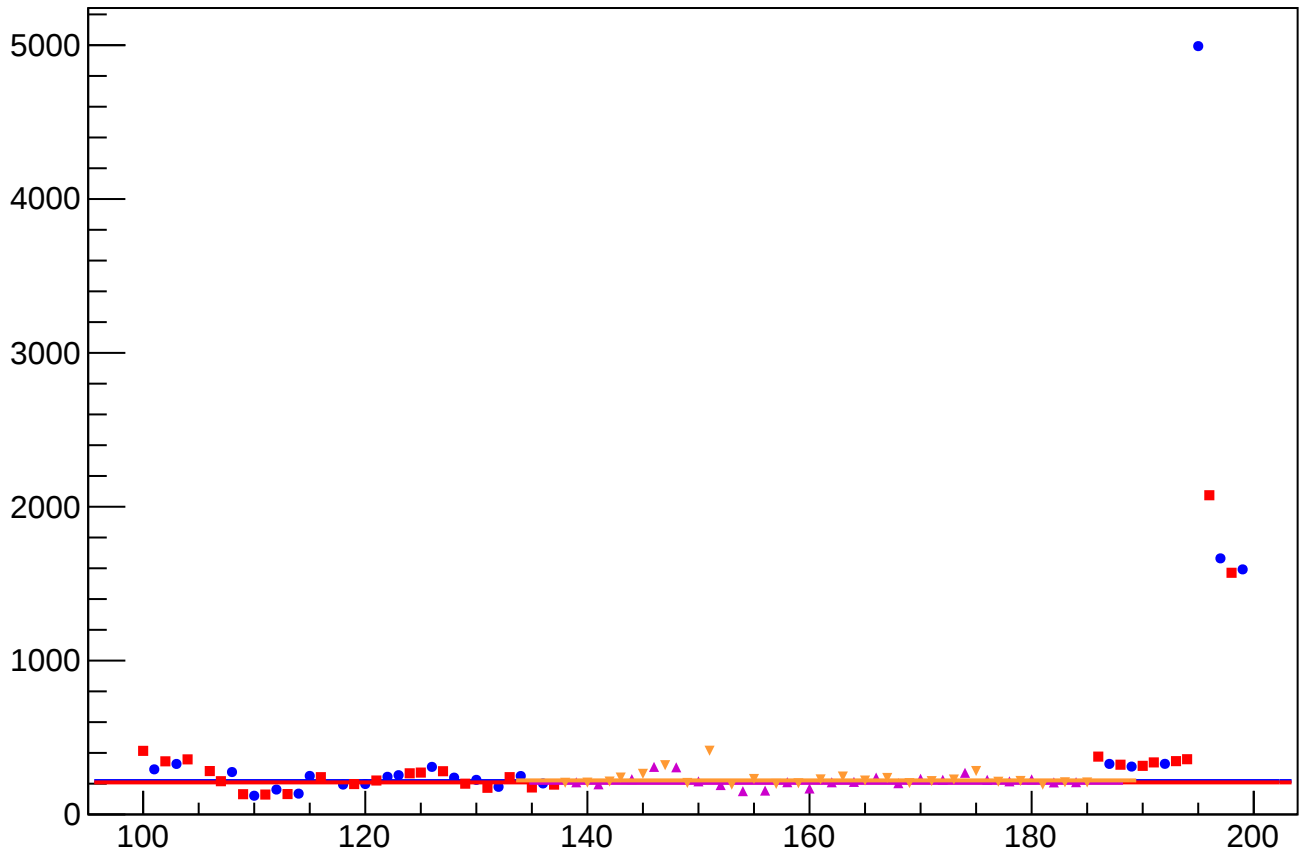
Left In: -386.248 ± 50.994 χ^2/NDF : 1238.0/22

+ sign 265.463 ± 43.625 χ^2/NDF : 2879.9/47

All: -5.954 ± 29.882 χ^2/NDF : 7308.4/97

- sign -245.883 ± 41.016 χ^2/NDF : 4355.6/49

asym_bpm0l09WS_rms vs Slug



Right In: 217.084 $\pm$ 0.055 χ^2 /NDF: 5144979.6/22

Left Out: 221.398 $\pm$ 0.037 χ^2 /NDF: 777833.8/24

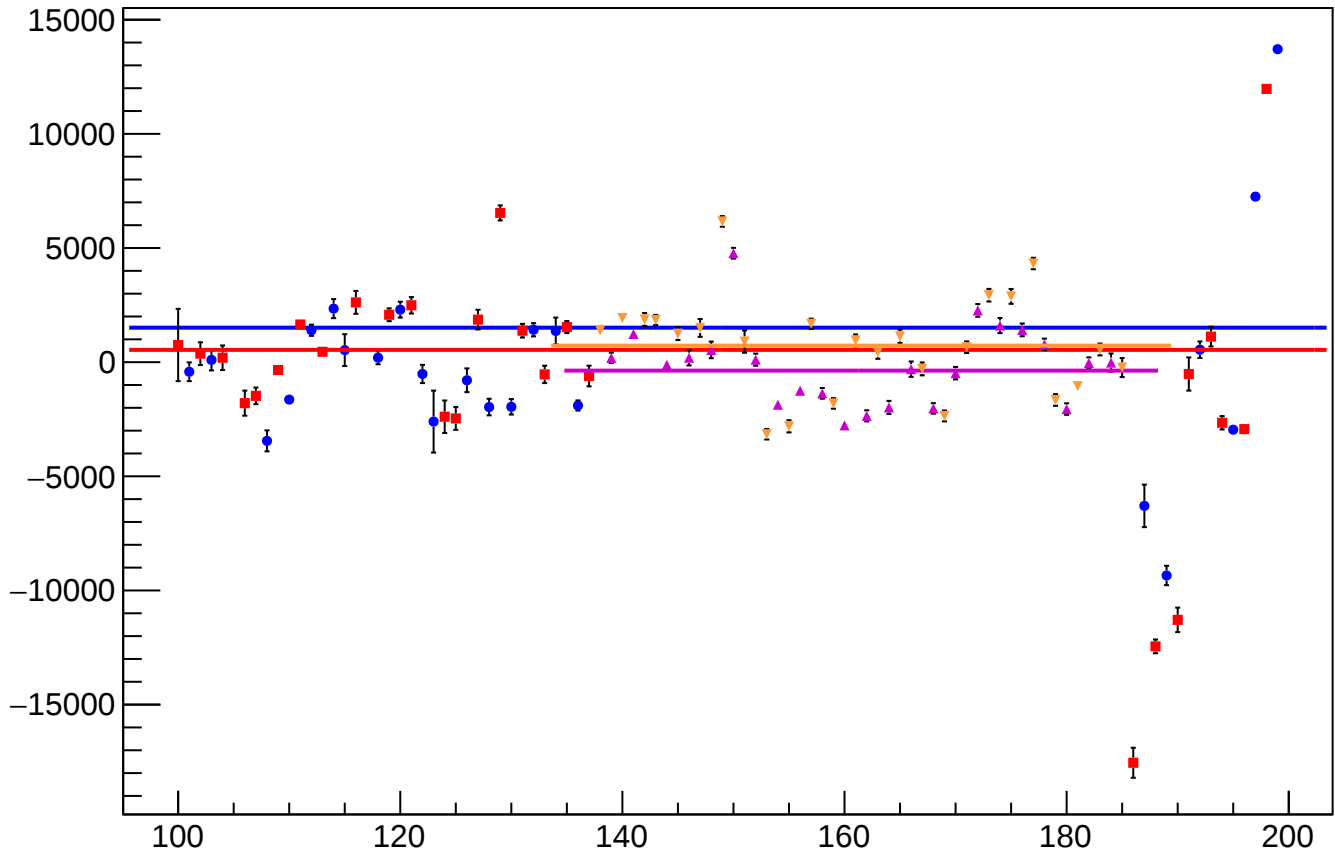
Right Out: 208.351 $\pm$ 0.049 χ^2 /NDF: 4665171.1/26

Left In: 205.803 $\pm$ 0.036 χ^2 /NDF: 994903.5/22

+ sign 220.039 $\pm$ 0.031 χ^2 /NDF: 5927033.6/47

All: 212.960 $\pm$ 0.021 χ^2 /NDF: 11688084.3/97

- sign 206.703 $\pm$ 0.029 χ^2 /NDF: 5661836.9/49



Right In: 1511.062 ± 66.226 χ^2/NDF : 6597.6/22

Left Out: 725.250 ± 52.307 χ^2/NDF : 1883.1/24

Right Out: 539.143 ± 62.672 χ^2/NDF : 7074.7/26

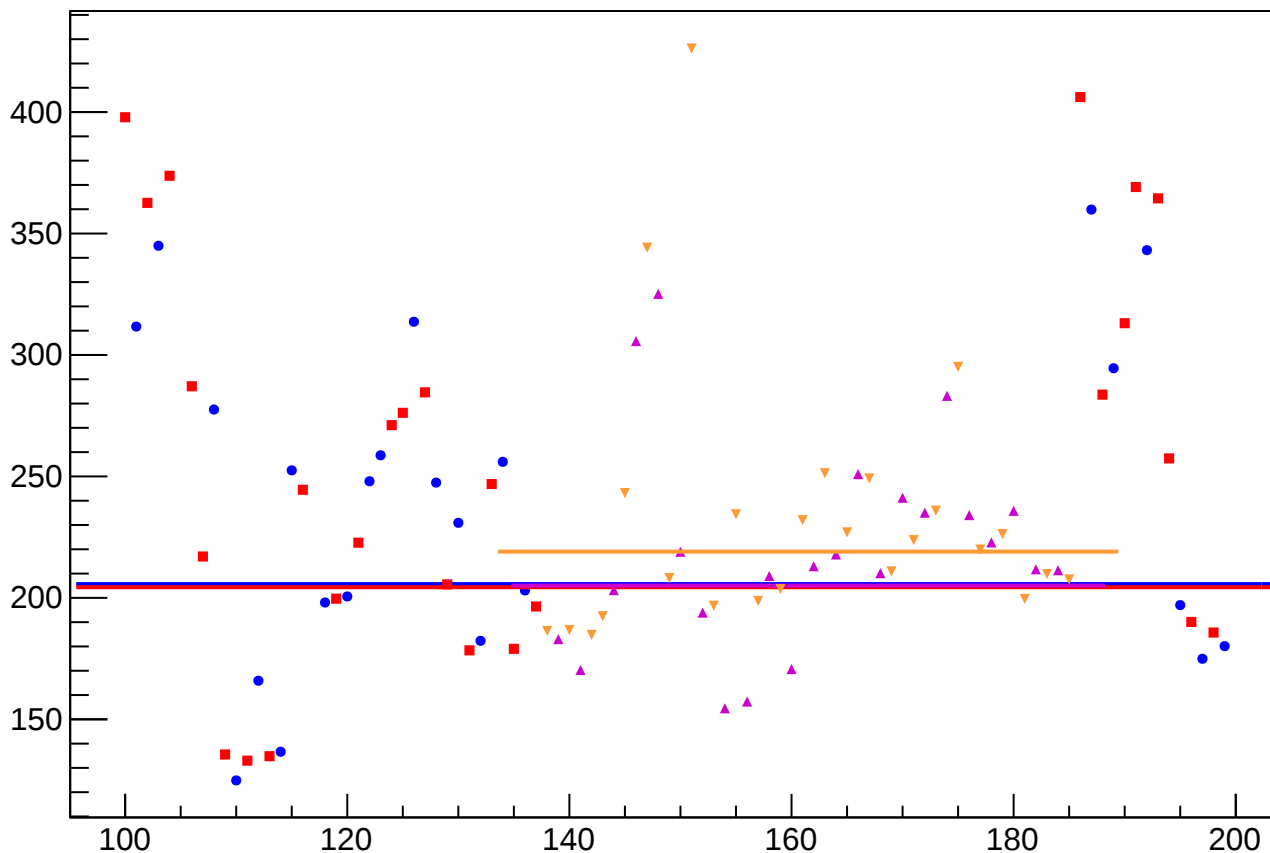
Left In: -370.408 ± 50.884 χ^2/NDF : 1223.2/22

+ sign 1027.139 ± 41.048 χ^2/NDF : 8567.5/47

All: 489.191 ± 28.463 χ^2/NDF : 17323.1/97

- sign -9.040 ± 39.503 χ^2/NDF : 8424.8/49

asym_bpm0l10WS_rms vs Slug



Right In: 205.679 $\pm$ 0.047 χ^2 /NDF: 1456410.0/22

Left Out: 219.049 $\pm$ 0.037 χ^2 /NDF:975564.4/24

Right Out: 204.381 $\pm$ 0.044 χ^2 /NDF: 2275104.2/26

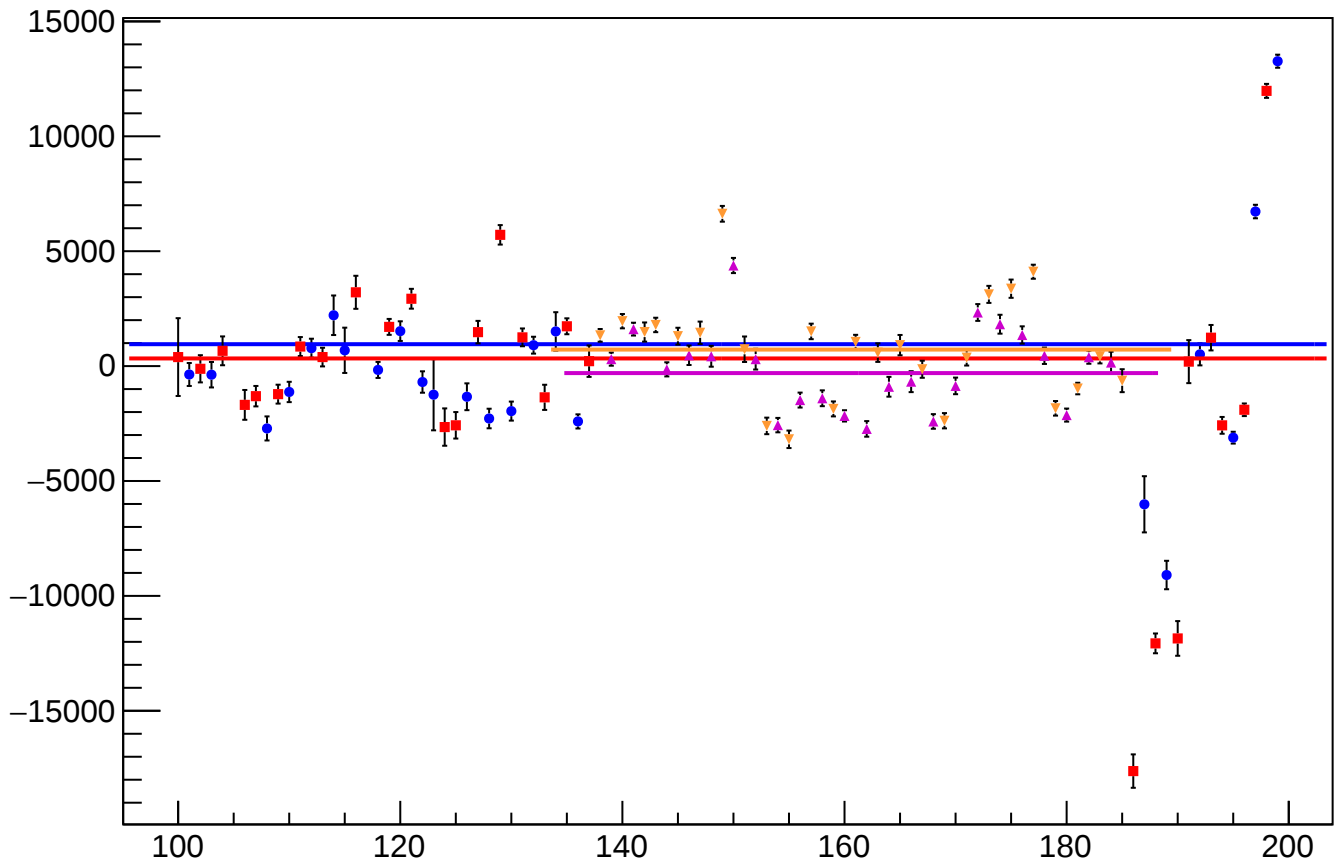
Left In: 205.046 $\pm$ 0.036 χ^2 /NDF:1144197.1/22

+ sign 213.912 $\pm$ 0.029 χ^2 /NDF: 2482173.1/47

All: 209.172 $\pm$ 0.020 χ^2 /NDF: 5952981.3/97

- sign 204.782 $\pm$ 0.028 χ^2 /NDF: 3419437.3/49

asym_bpm0r03WS_mean vs Slug



Right In: 953.313+/-90.038 χ^2/NDF : 3160.3/22

Left Out: 718.705+/-69.601 χ^2/NDF :1018.5/24

Right Out: 332.630+/-88.952 χ^2/NDF : 3640.2/26

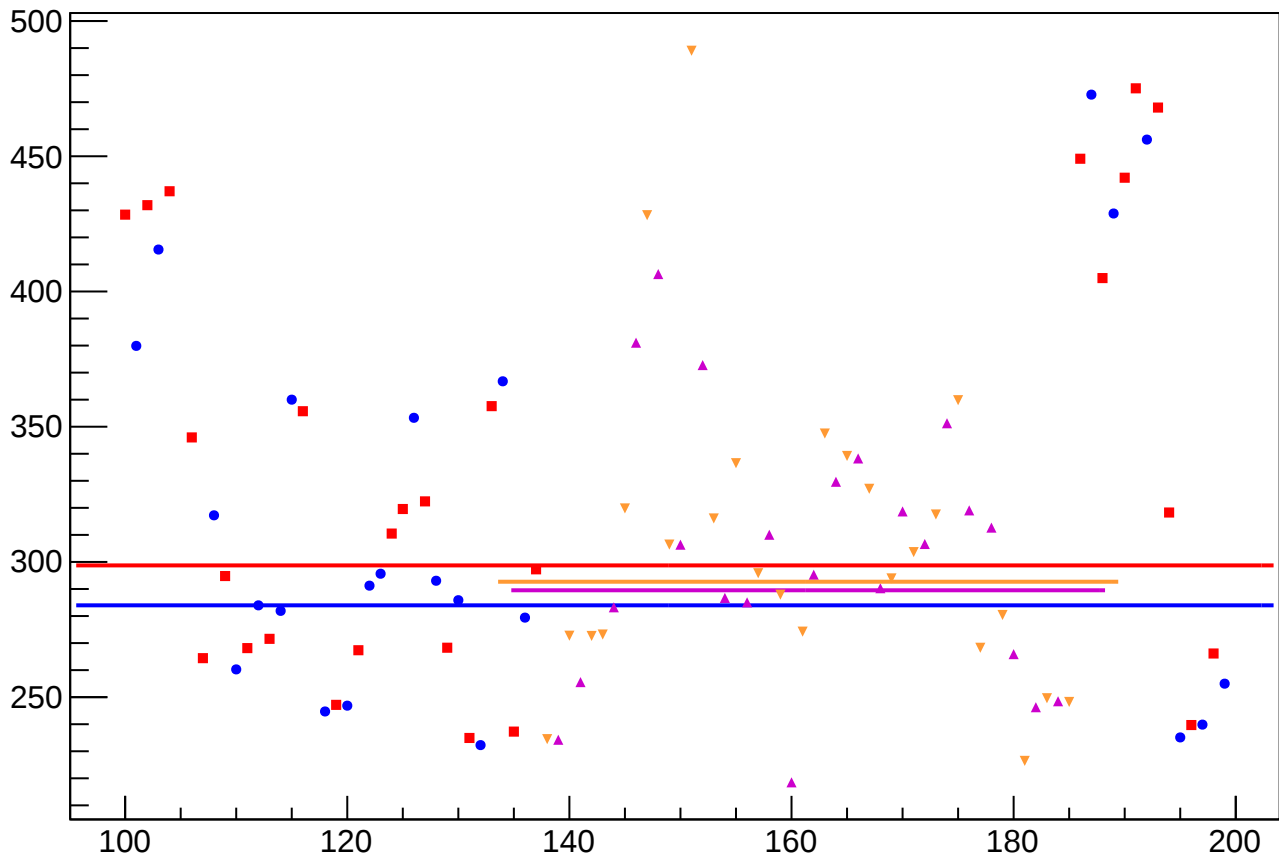
Left In: -304.161+/-70.958 χ^2/NDF :643.5/22

+ sign 806.458+/-55.066 χ^2/NDF : 4183.1/47

All: 378.122+/-39.080 χ^2/NDF : 8620.0/97

- sign -56.528+/-55.471 χ^2/NDF : 4315.0/49

asym_bpm0r03WS_rms vs Slug



Right In: 283.959 $\pm$ 0.064 χ^2 /NDF: 894790.3/22

Left Out: 292.686 $\pm$ 0.049 χ^2 /NDF: 925193.6/24

Right Out: 298.720 $\pm$ 0.063 χ^2 /NDF: 1136962.5/26

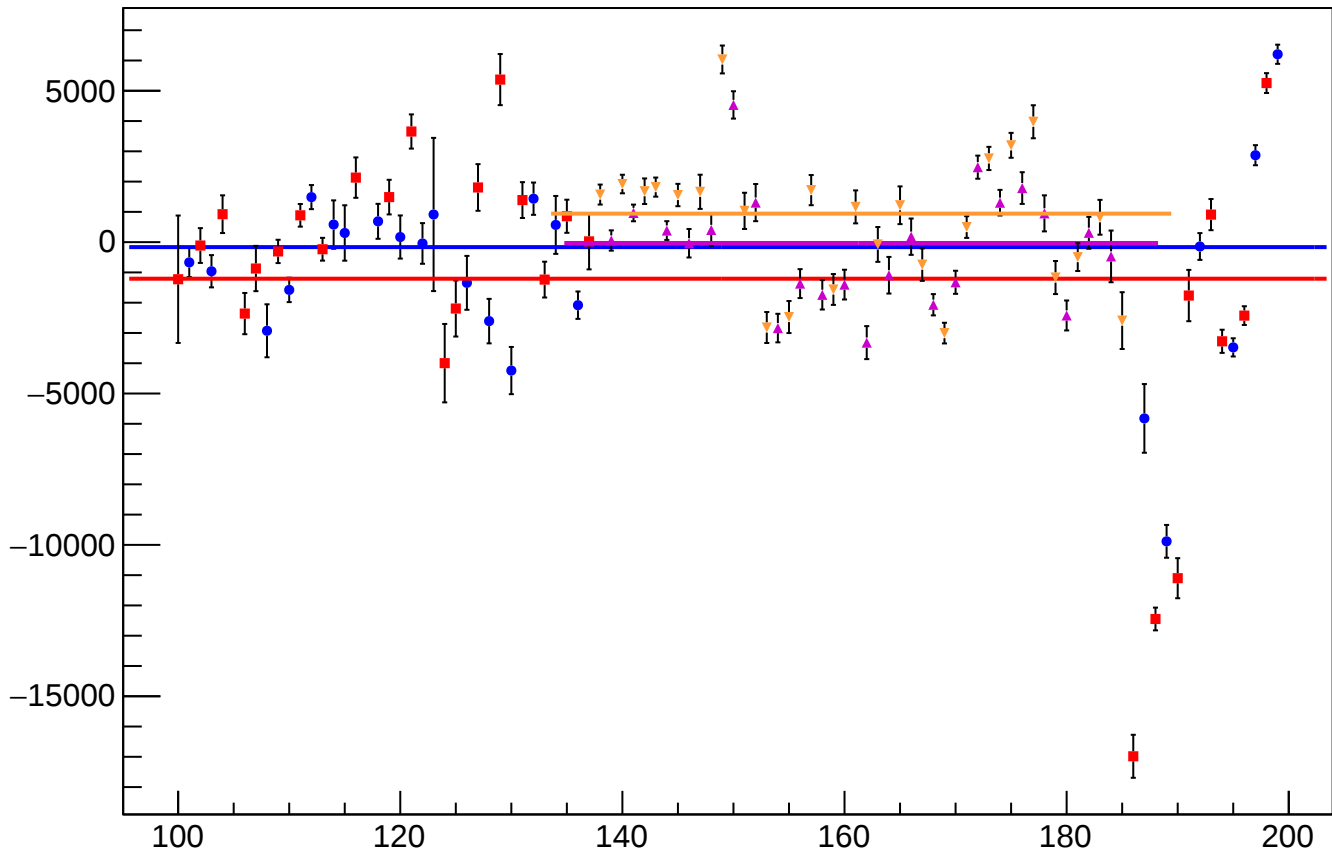
Left In: 289.522 $\pm$ 0.050 χ^2 /NDF: 777901.0/22

+ sign 289.422 $\pm$ 0.039 χ^2 /NDF: 1831745.1/47

All: 291.247 $\pm$ 0.028 χ^2 /NDF: 3764106.2/97

- sign 293.099 $\pm$ 0.039 χ^2 /NDF: 1927934.4/49

asym_bpm0r05WS_mean vs Slug



Right In: -164.281 ± 108.260 χ^2/NDF : 1070.6/22

Left Out: 941.598 ± 89.119 χ^2/NDF : 544.6/24

Right Out: -1207.701 ± 101.343 χ^2/NDF : 2362.3/26

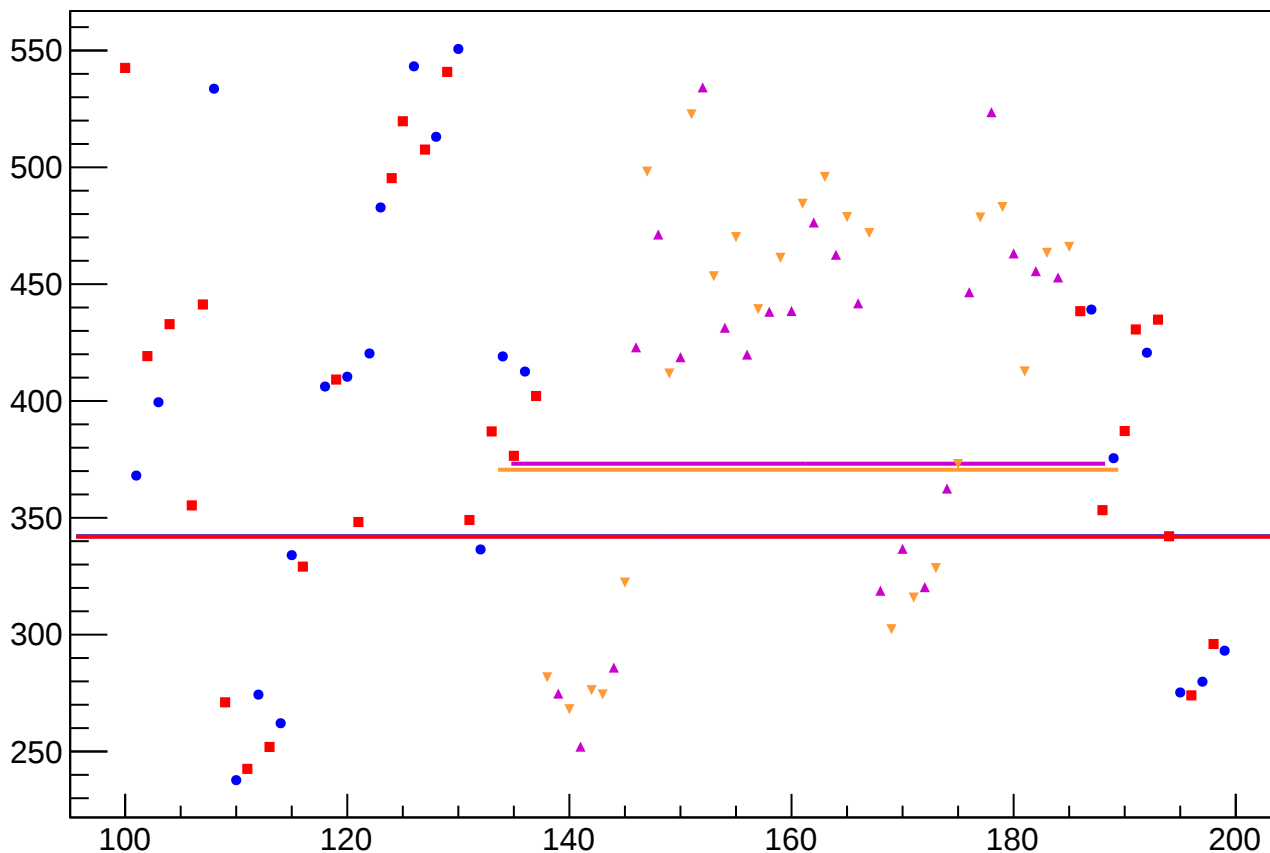
Left In: -27.763 ± 92.331 χ^2/NDF : 362.5/22

+ sign 494.905 ± 68.805 χ^2/NDF : 1677.4/47

All: -38.287 ± 48.456 χ^2/NDF : 4595.4/97

- sign -562.944 ± 68.252 χ^2/NDF : 2798.9/49

asym_bpm0r05WS_rms vs Slug



Right In: 342.111 $\pm$ 0.077 χ^2 /NDF: 1130656.6/22

Left Out: 370.580 $\pm$ 0.063 χ^2 /NDF:1878118.9/24

Right Out: 341.904 $\pm$ 0.072 χ^2 /NDF: 1090131.3/26

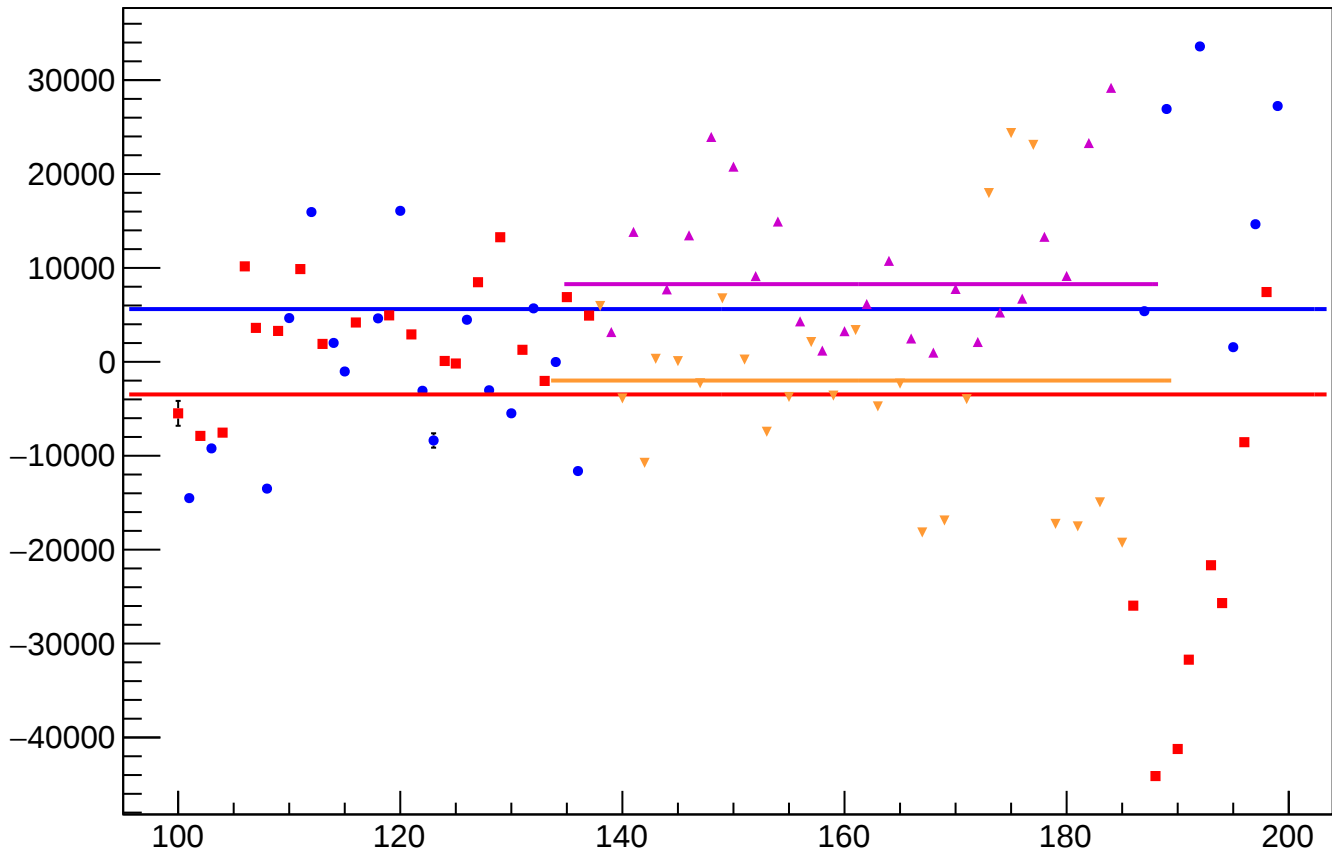
Left In: 373.161 $\pm$ 0.065 χ^2 /NDF:1636244.2/22

+ sign 359.080 $\pm$ 0.049 χ^2 /NDF: 3091212.6/47

All: 359.032 $\pm$ 0.034 χ^2 /NDF: 5921548.4/97

- sign 358.984 $\pm$ 0.048 χ^2 /NDF: 2830333.9/49

asym_bpm0i02WS_mean vs Slug



Right In: 5617.589 ± 46.600 $\chi^2/\text{NDF}: 84643.8/22$

Left Out: -1991.788 ± 42.427 $\chi^2/\text{NDF}: 63766.6/24$

Right Out: -3471.578 ± 43.661 $\chi^2/\text{NDF}: 130291.2/26$

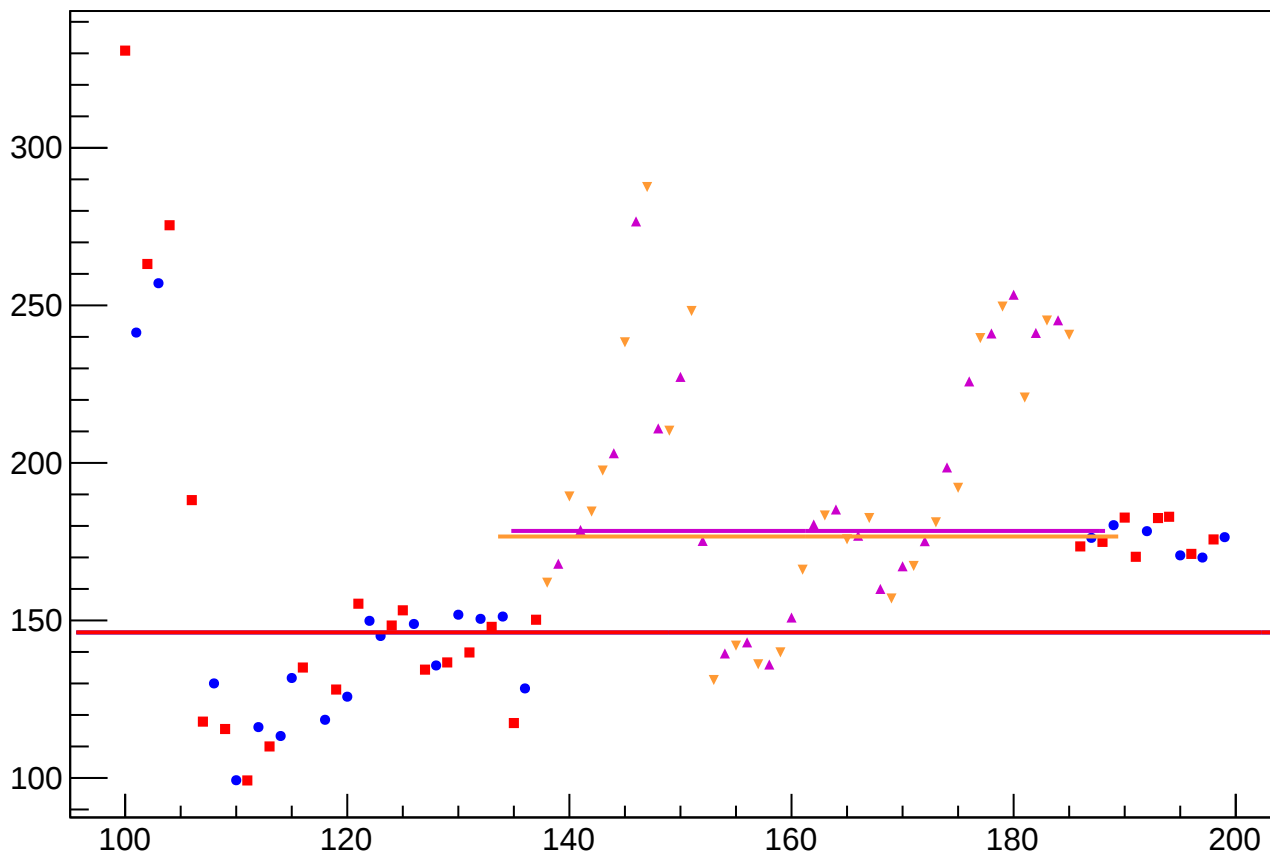
Left In: 8273.228 ± 44.301 $\chi^2/\text{NDF}: 22870.2/22$

+ sign 1456.999 ± 31.372 $\chi^2/\text{NDF}: 162989.7/47$

All: 1889.946 ± 22.085 $\chi^2/\text{NDF}: 352182.7/97$

- sign 2315.330 ± 31.097 $\chi^2/\text{NDF}: 188815.4/49$

asym_bpm0i02WS_rms vs Slug



Right In: 146.178+/-0.033 χ^2/NDF : 953080.5/22

Left Out: 176.641+/-0.030 χ^2/NDF :1551048.8/24

Right Out: 146.215+/-0.031 χ^2/NDF : 1270197.5/26

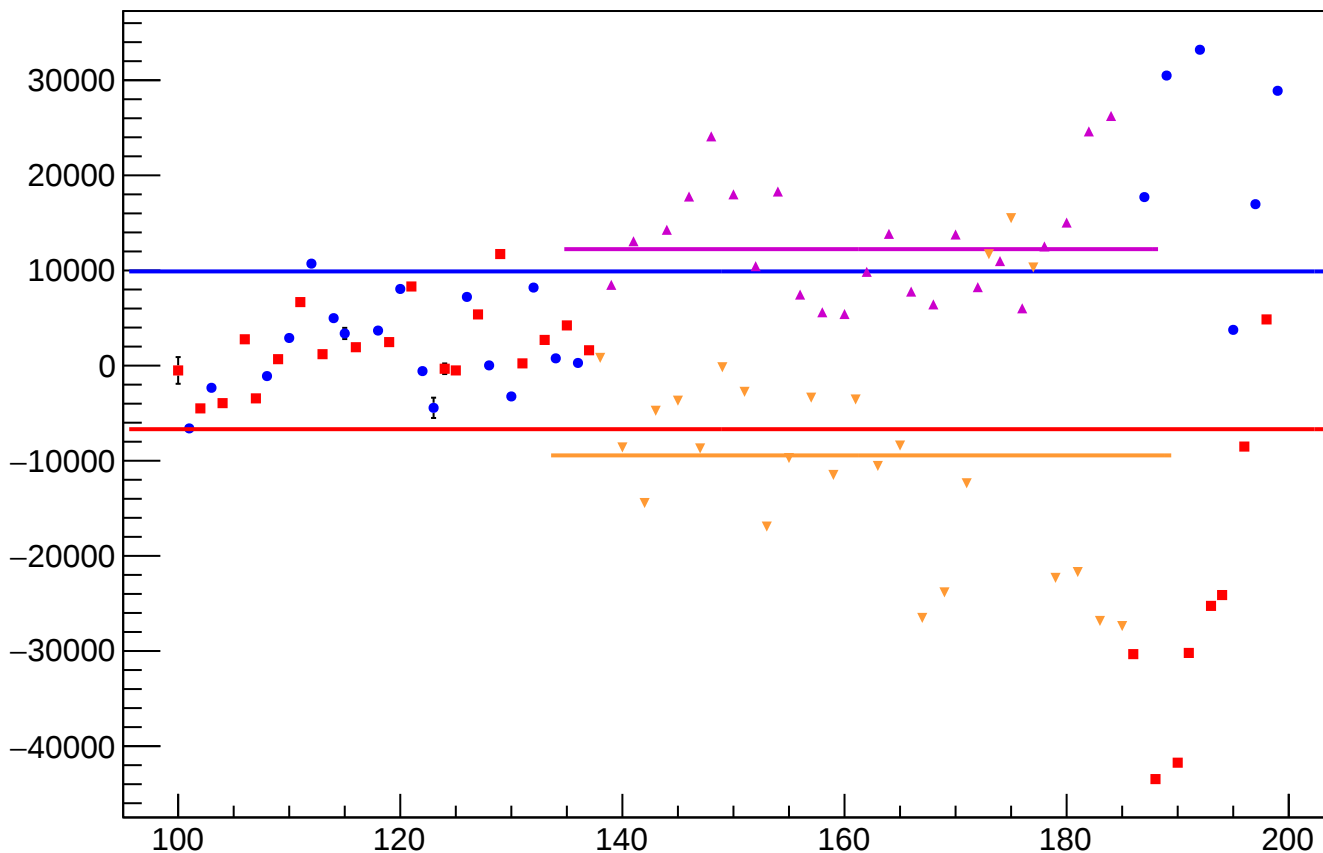
Left In: 178.413+/-0.031 χ^2/NDF :1293736.2/22

+ sign 162.834+/-0.022 χ^2/NDF : 2971446.5/47

All: 162.454+/-0.016 χ^2/NDF : 6071899.5/97

- sign 162.080+/-0.022 χ^2/NDF : 3099869.8/49

asym_bpm0i02aWS_mean vs Slug



Right In: 9901.850+/-55.305 χ^2/NDF : 45562.5/22

Left Out: -9437.408+/-45.534 χ^2/NDF : 62220.4/24

Right Out: -6682.746+/-51.116 χ^2/NDF : 100329.4/26

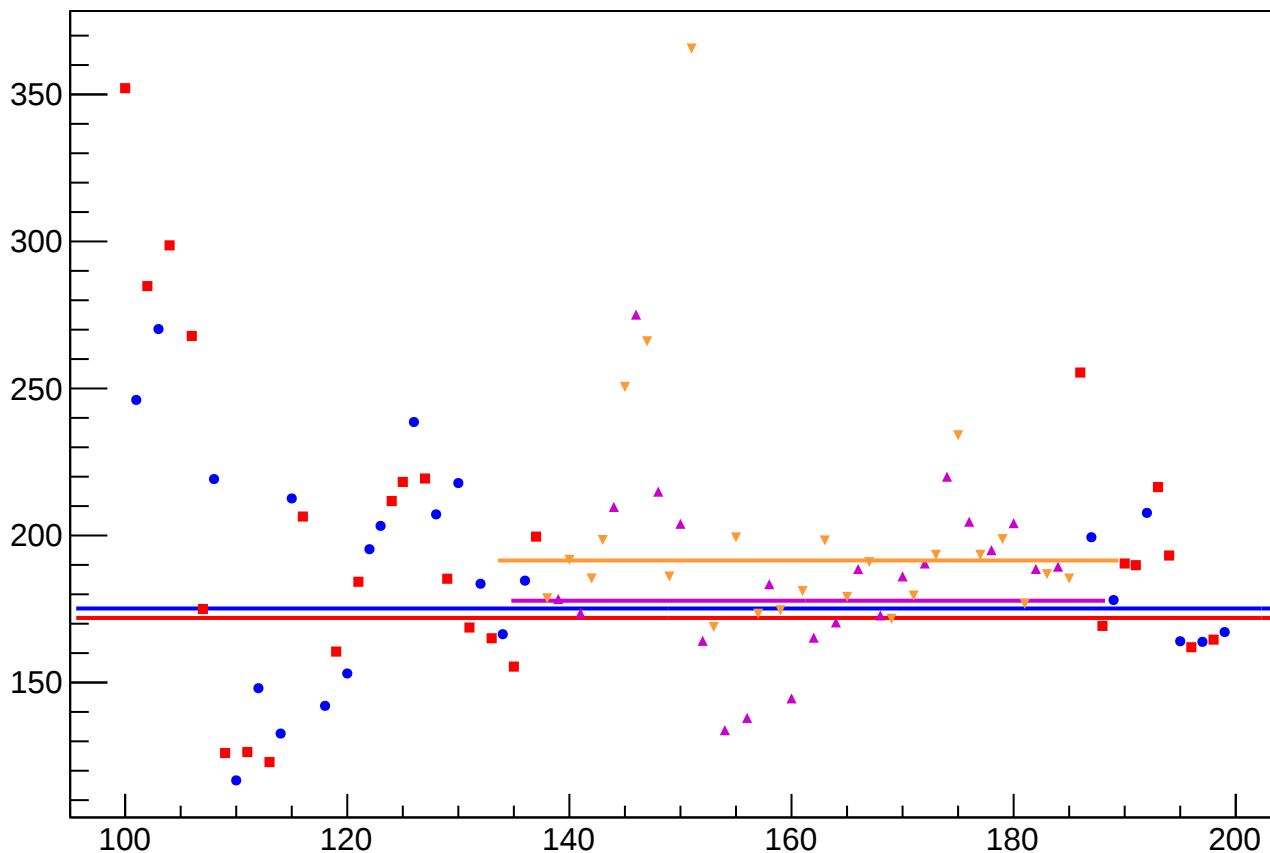
Left In: 12242.226+/-43.944 χ^2/NDF : 16615.8/22

+ sign -1624.244+/-35.153 χ^2/NDF : 180659.6/47

All: 1443.097+/-24.184 χ^2/NDF : 390880.3/97

- sign 4199.416+/-33.323 χ^2/NDF : 195765.0/49

asym_bpm0i02aWS_rms vs Slug



Right In: 175.178 $\pm$ 0.039 χ^2 /NDF: 755290.1/22

Left Out: 191.507 $\pm$ 0.032 χ^2 /NDF: 727251.6/24

Right Out: 171.955 $\pm$ 0.036 χ^2 /NDF: 1123366.7/26

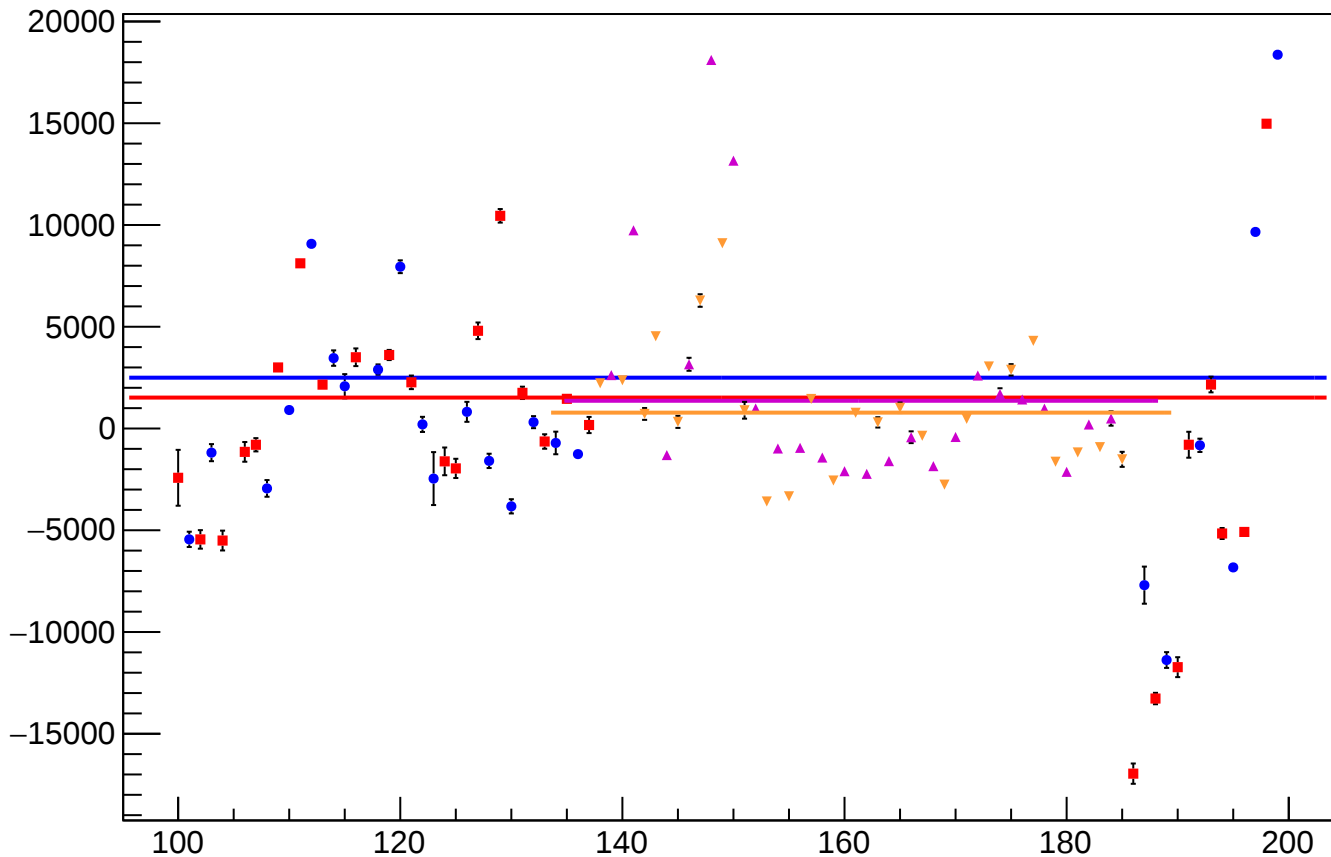
Left In: 177.821 $\pm$ 0.031 χ^2 /NDF: 862494.4/22

+ sign 184.910 $\pm$ 0.025 χ^2 /NDF: 1586444.9/47

All: 179.863 $\pm$ 0.017 χ^2 /NDF: 3665715.9/97

- sign 175.328 $\pm$ 0.024 χ^2 /NDF: 2001008.3/49

asym_bpm0i05WS_mean vs Slug



Right In: 2497.583+/-62.240 χ^2/NDF : 14160.6/22

Left Out: 779.983+/-47.457 χ^2/NDF : 4260.8/24

Right Out: 1519.582+/-57.980 χ^2/NDF : 13834.7/26

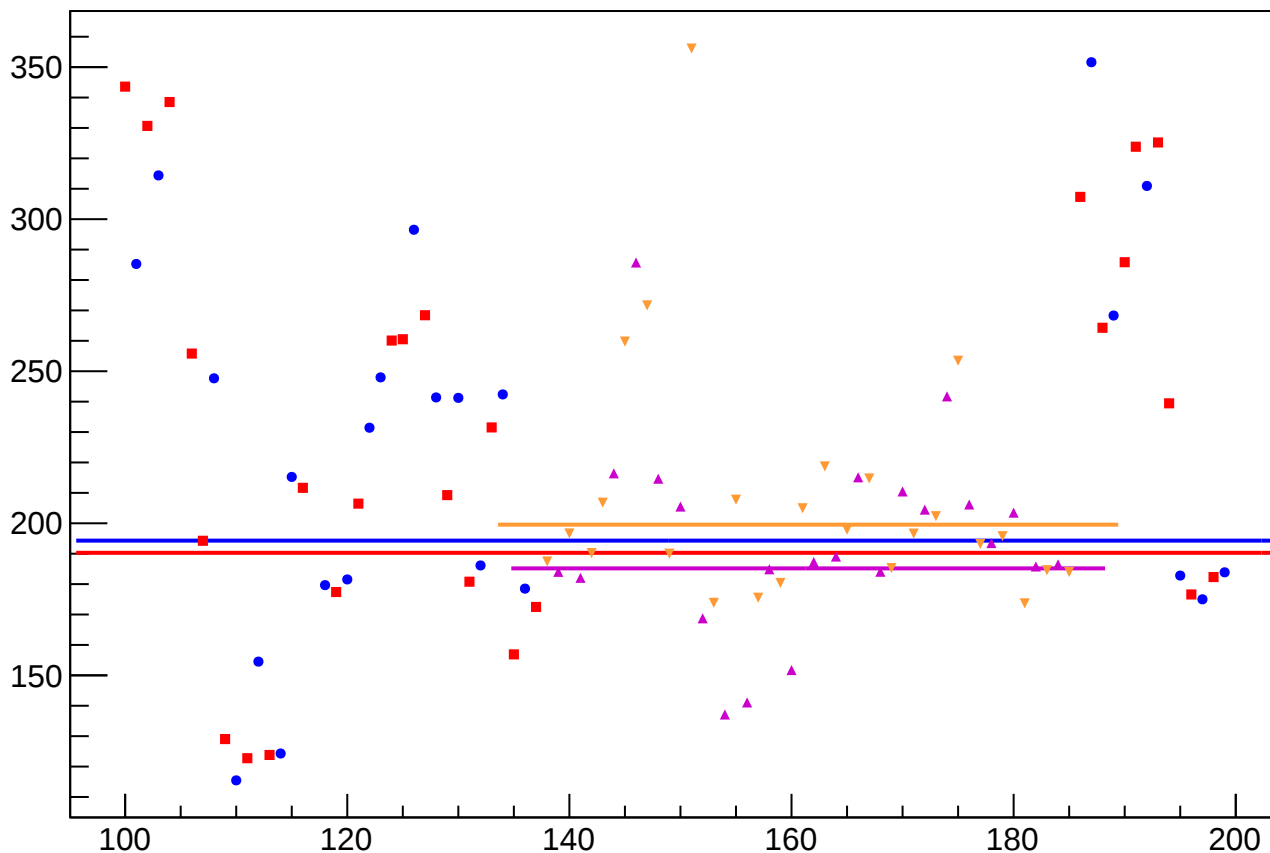
Left In: 1363.043+/-45.807 χ^2/NDF : 11632.9/22

+ sign 1411.451+/-37.738 χ^2/NDF : 18903.0/47

All: 1417.612+/-26.027 χ^2/NDF : 44375.1/97

- sign 1423.200+/-35.943 χ^2/NDF : 25472.1/49

asym_bpm0i05WS_rms vs Slug



Right In: 194.298 ± 0.044 χ^2/NDF : 1400575.2/22

Left Out: 199.547 ± 0.034 χ^2/NDF : 729356.3/24

Right Out: 190.288 ± 0.041 χ^2/NDF : 2127451.8/26

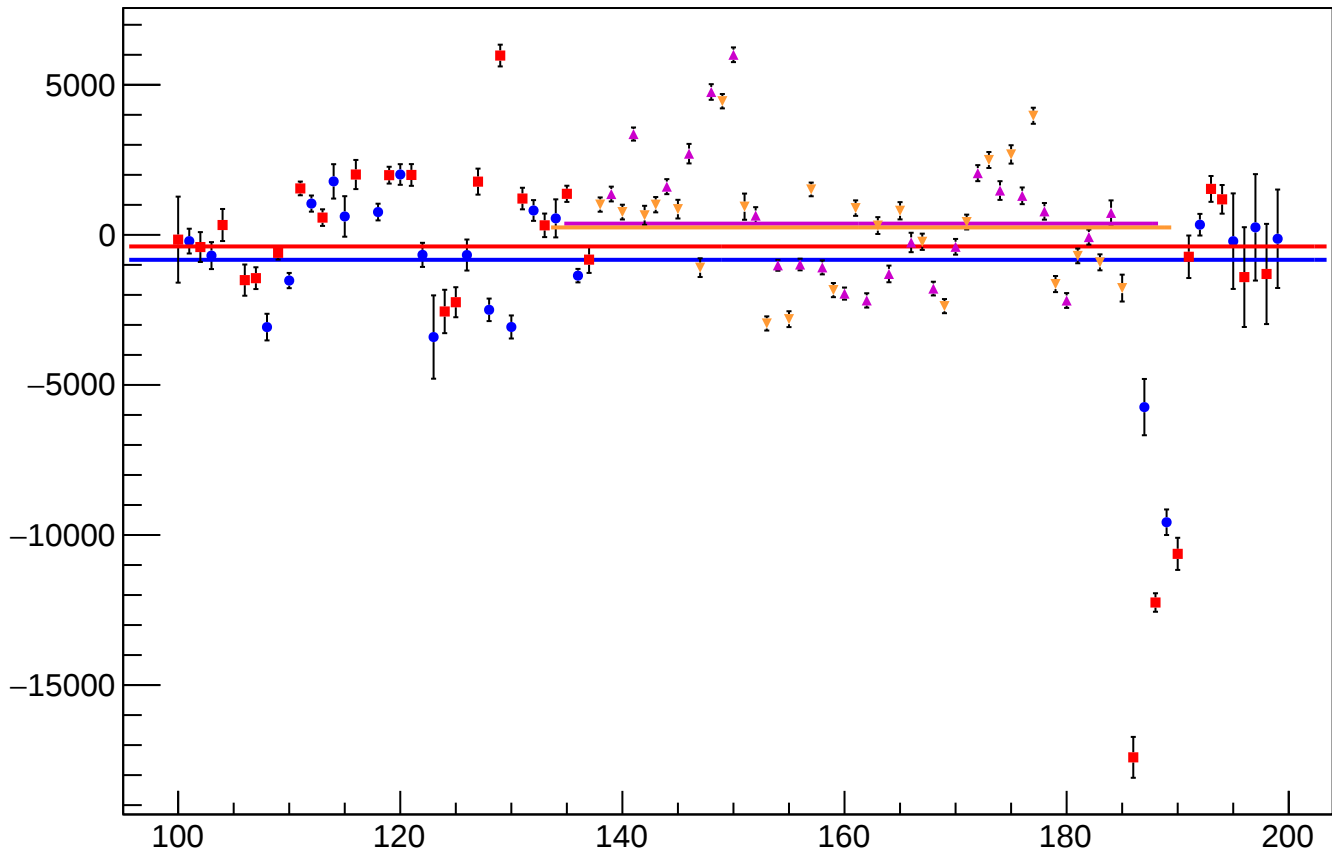
Left In: 185.171 ± 0.032 χ^2/NDF : 882752.2/22

+ sign 197.617 ± 0.027 χ^2/NDF : 2138924.9/47

All: 192.122 ± 0.018 χ^2/NDF : 5239596.3/97

- sign 187.137 ± 0.025 χ^2/NDF : 3019796.2/49

asym_bpm0i07WS_mean vs Slug



Right In: -830.917 ± 83.834 χ^2/NDF : 760.2/22

Left Out: 247.844 ± 53.555 χ^2/NDF : 1355.1/24

Right Out: -385.536 ± 75.263 χ^2/NDF : 3162.5/26

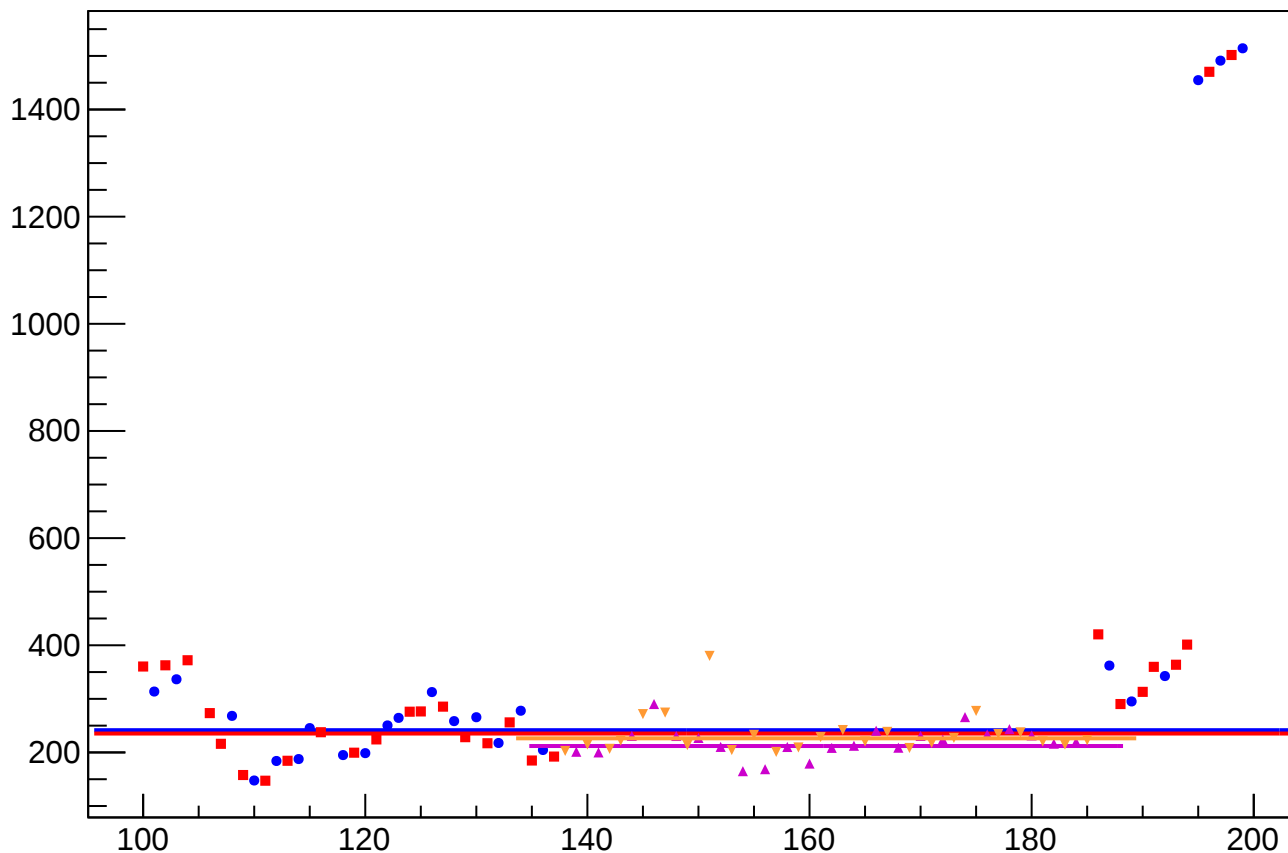
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -64.799 ± 45.132 χ^2/NDF : 2232.8/47

All: 36.874 ± 31.059 χ^2/NDF : 7274.9/97

- sign 128.351 ± 42.809 χ^2/NDF : 5032.4/49

asym_bpm0i07WS_rms vs Slug



Right In: 241.526+/-0.059 χ^2/NDF : 4330580.1/22

Left Out: 226.322+/-0.038 χ^2/NDF : 521041.8/24

Right Out: 235.260+/-0.053 χ^2/NDF : 4067046.2/26

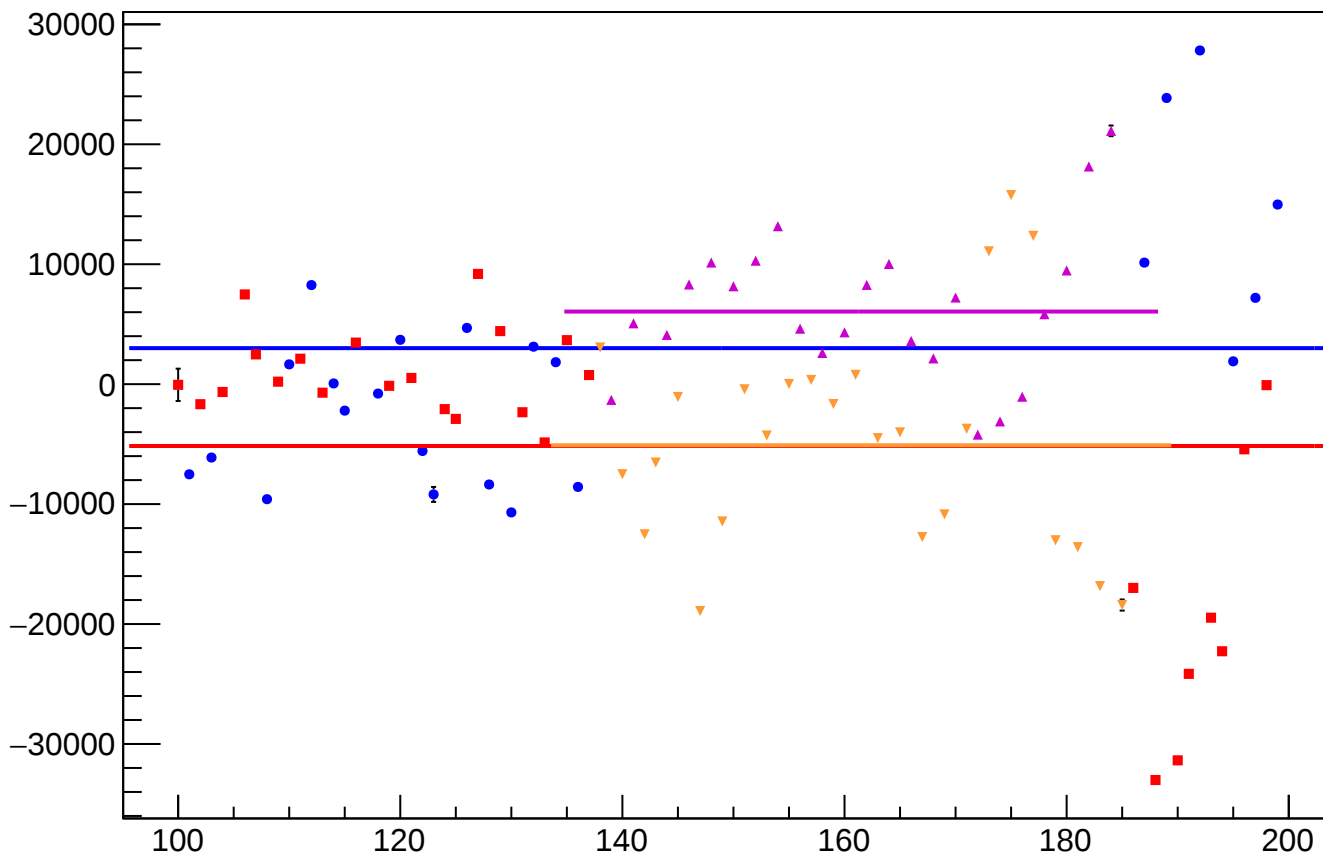
Left In: 211.970+/-0.037 χ^2/NDF : 584344.5/22

+ sign 230.728+/-0.032 χ^2/NDF : 4898338.9/47

All: 224.820+/-0.022 χ^2/NDF : 9744387.0/97

- sign 219.505+/-0.030 χ^2/NDF : 4780946.7/49

asym_bpm1i02WS_mean vs Slug



Right In: 3003.187+/-39.624 χ^2/NDF : 73140.8/22

Left Out: -5095.305+/-33.703 χ^2/NDF : 54395.4/24

Right Out: -5155.853+/-36.799 χ^2/NDF : 100652.6/26

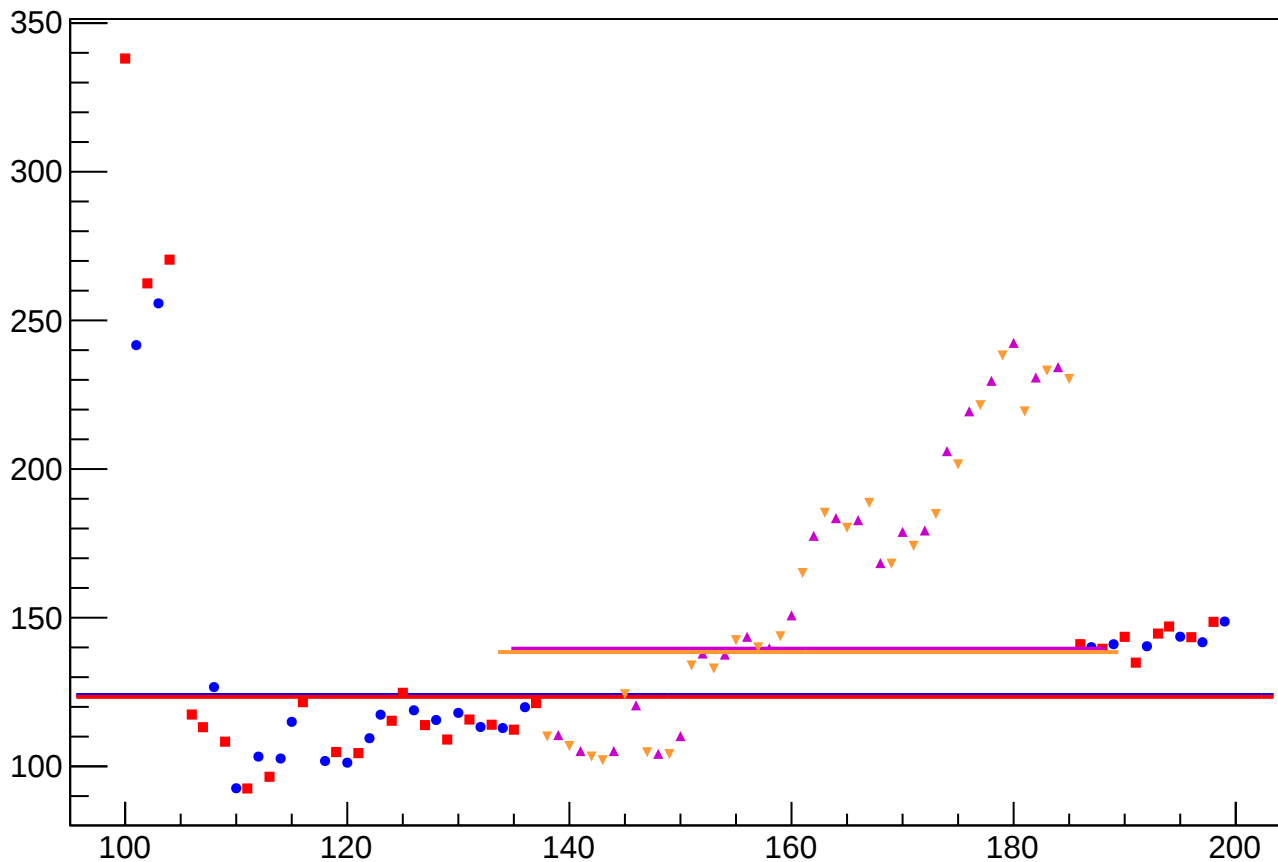
Left In: 6053.569+/-34.998 χ^2/NDF : 17590.3/22

+ sign -1695.720+/-25.673 χ^2/NDF : 151773.3/47

All: -468.093+/-18.042 χ^2/NDF : 323254.7/97

- sign 729.819+/-25.360 χ^2/NDF : 166963.5/49

asym_bpm1i02WS_rms vs Slug



Right In: 123.999 $\pm$ 0.028 χ^2 /NDF: 947300.3/22

Left Out: 138.436 $\pm$ 0.024 χ^2 /NDF: 2549435.8/24

Right Out: 123.385 $\pm$ 0.026 χ^2 /NDF: 1099476.3/26

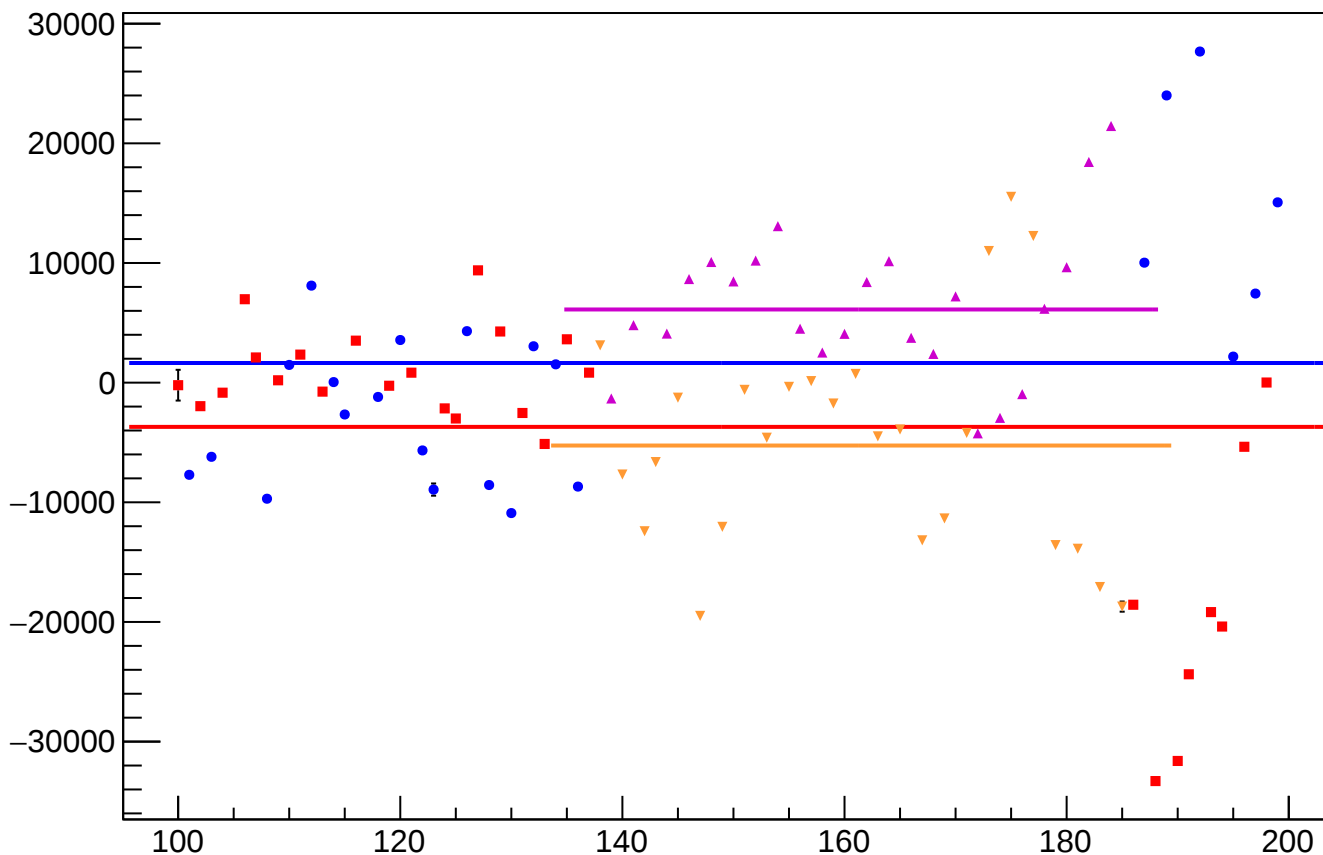
Left In: 139.578 $\pm$ 0.025 χ^2 /NDF: 2413658.9/22

+ sign 132.375 $\pm$ 0.018 χ^2 /NDF: 3650782.4/47

All: 132.128 $\pm$ 0.013 χ^2 /NDF: 7367625.2/97

- sign 131.887 $\pm$ 0.018 χ^2 /NDF: 3716476.7/49

asym_bpm1i04WS_mean vs Slug



Right In: 1642.357+/-35.046 χ^2/NDF : 79986.8/22

Left Out: -5255.652+/-30.622 χ^2/NDF : 64324.6/24

Right Out: -3696.838+/-32.735 χ^2/NDF : 107617.7/26

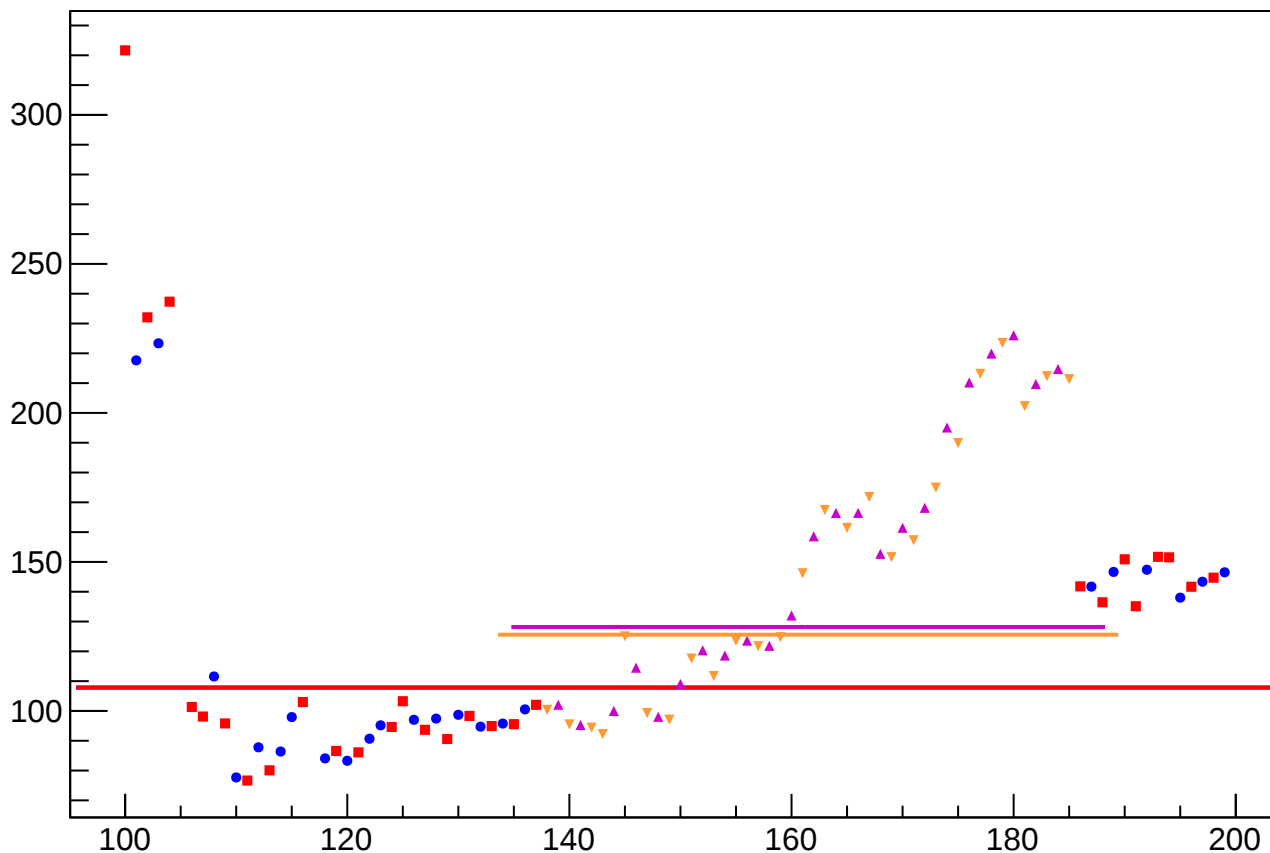
Left In: 6114.901+/-32.126 χ^2/NDF : 21260.9/22

+ sign -2269.306+/-23.060 χ^2/NDF : 166279.8/47

All: -473.893+/-16.259 χ^2/NDF : 352978.0/97

- sign 1301.176+/-22.929 χ^2/NDF : 174642.6/49

asym_bpm1i04WS_rms vs Slug



Right In: 107.854+/-0.025 χ^2/NDF : 1466850.3/22

Left Out: 125.577+/-0.022 χ^2/NDF : 2595752.6/24

Right Out: 107.822+/-0.023 χ^2/NDF : 1736163.7/26

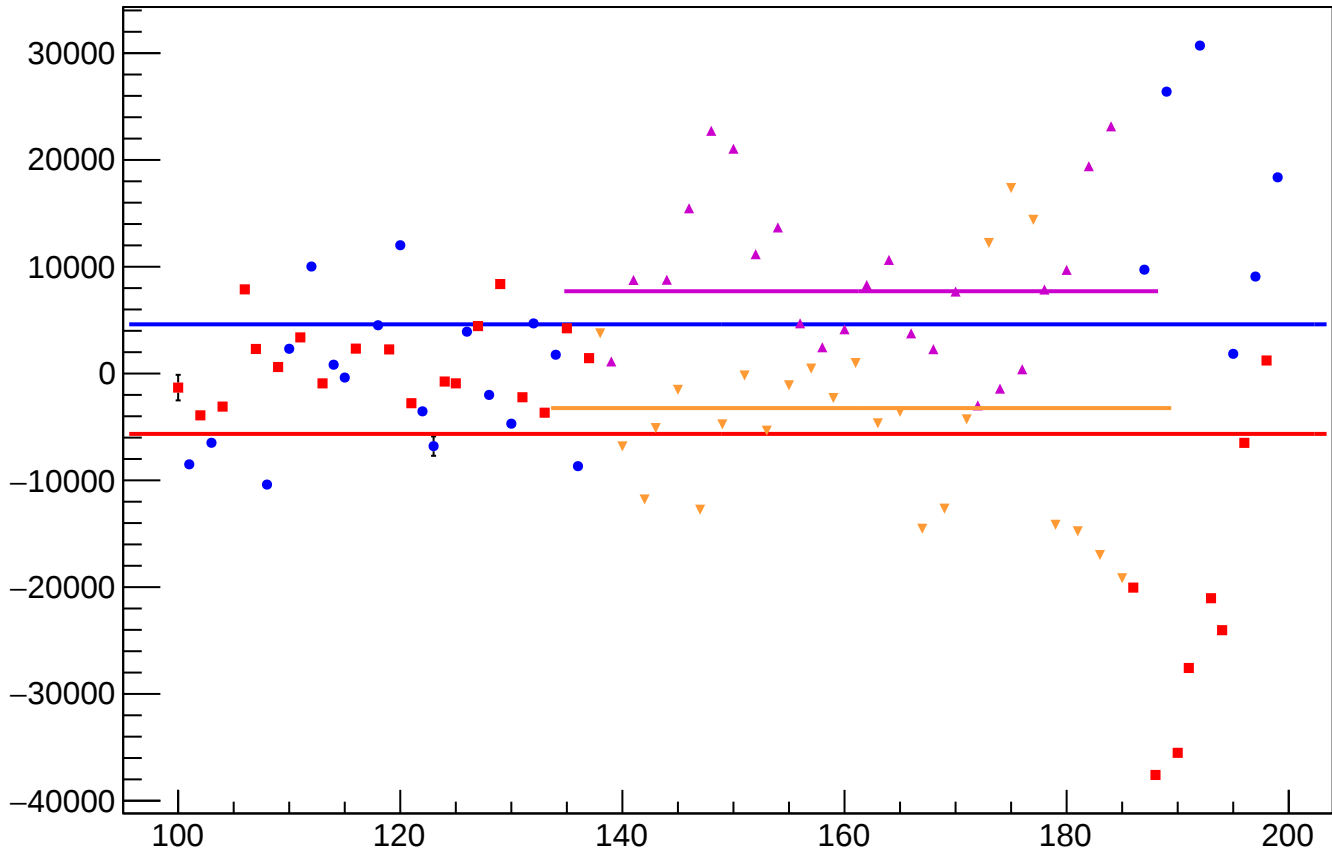
Left In: 128.184+/-0.023 χ^2/NDF : 2332977.5/22

+ sign 117.904+/-0.016 χ^2/NDF : 4352653.6/47

All: 118.050+/-0.011 χ^2/NDF : 8816115.9/97

- sign 118.194+/-0.016 χ^2/NDF : 4463303.4/49

asym_bpm1i06WS_mean vs Slug



Right In: 4608.085+/-46.661 χ^2/NDF : 57813.3/22

Left Out: -3234.922+/-40.583 χ^2/NDF : 36739.9/24

Right Out: -5650.659+/-43.415 χ^2/NDF : 89910.4/26

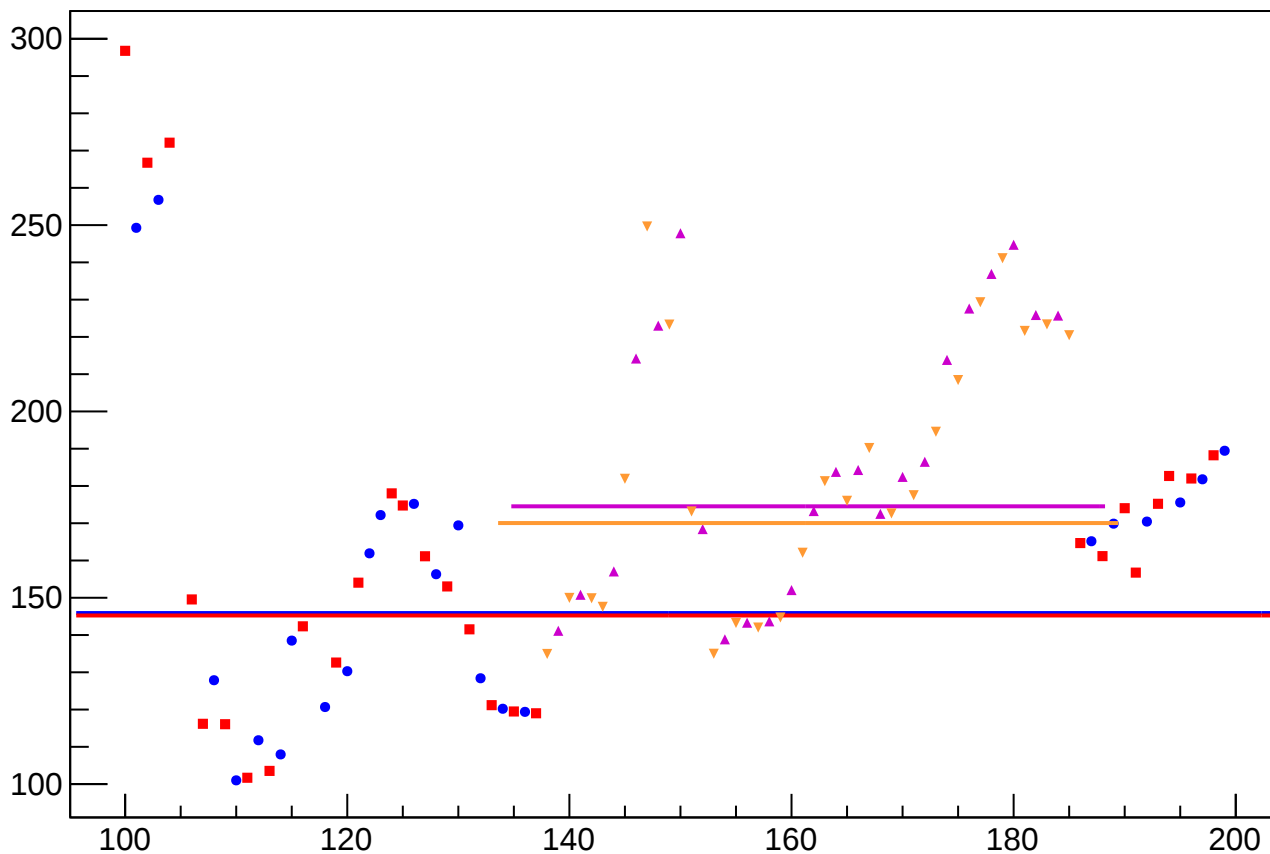
Left In: 7707.068+/-42.990 χ^2/NDF : 21268.3/22

+ sign 142.832+/-30.621 χ^2/NDF : 110638.5/47

All: 619.527+/-21.626 χ^2/NDF : 270098.4/97

- sign 1093.936+/-30.548 χ^2/NDF : 158976.4/49

asym_bpm1i06WS_rms vs Slug



Right In: 145.893 $\pm$ 0.033 χ^2 /NDF: 1131568.7/22

Left Out: 170.050 $\pm$ 0.029 χ^2 /NDF:1240866.9/24

Right Out: 145.246 $\pm$ 0.031 χ^2 /NDF: 1302148.8/26

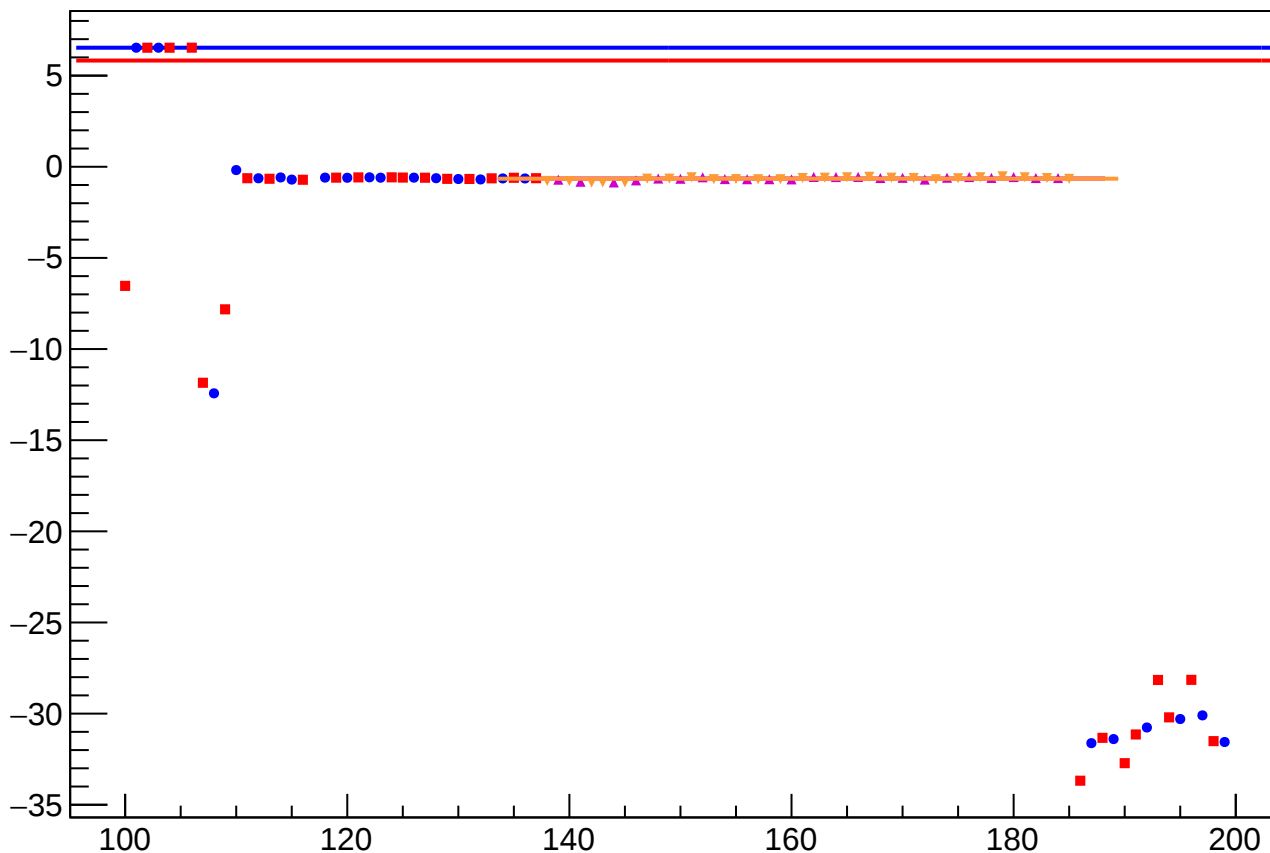
Left In: 174.539 $\pm$ 0.030 χ^2 /NDF:1210071.2/22

+ sign 159.646 $\pm$ 0.022 χ^2 /NDF: 2677631.0/47

All: 159.842 $\pm$ 0.015 χ^2 /NDF: 5649753.7/97

- sign 160.037 $\pm$ 0.022 χ^2 /NDF: 2971959.6/49

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127823933252.3/22

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179109810.4/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755947680056508.2/26

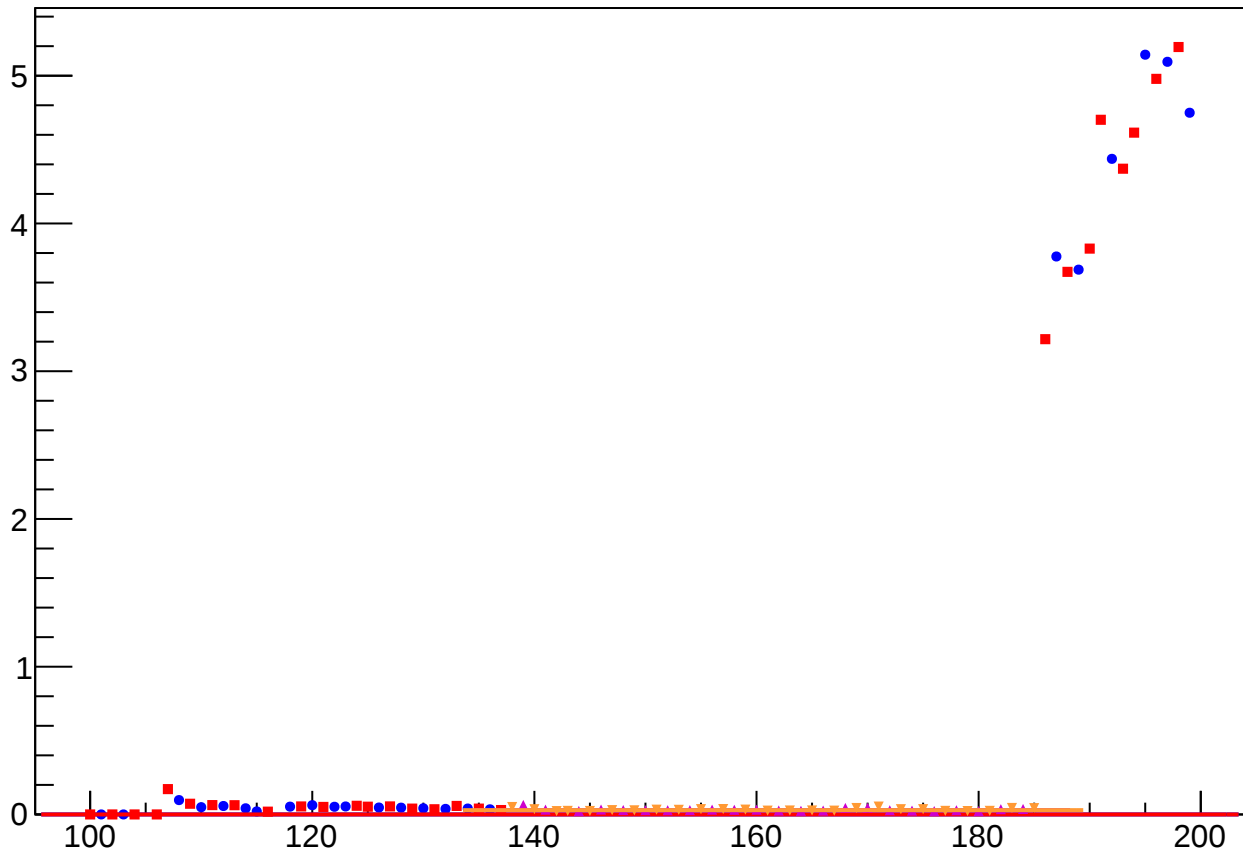
Left In: -0.644 $\pm$ 0.000 χ^2 /NDF: 122913584.0/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 999213218802.9/47

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77760204242219

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756619024663950.4/

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 16723316.7/22

Left Out: 0.029+/-0.000 χ^2/NDF : 1487017.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 19144901.5/26

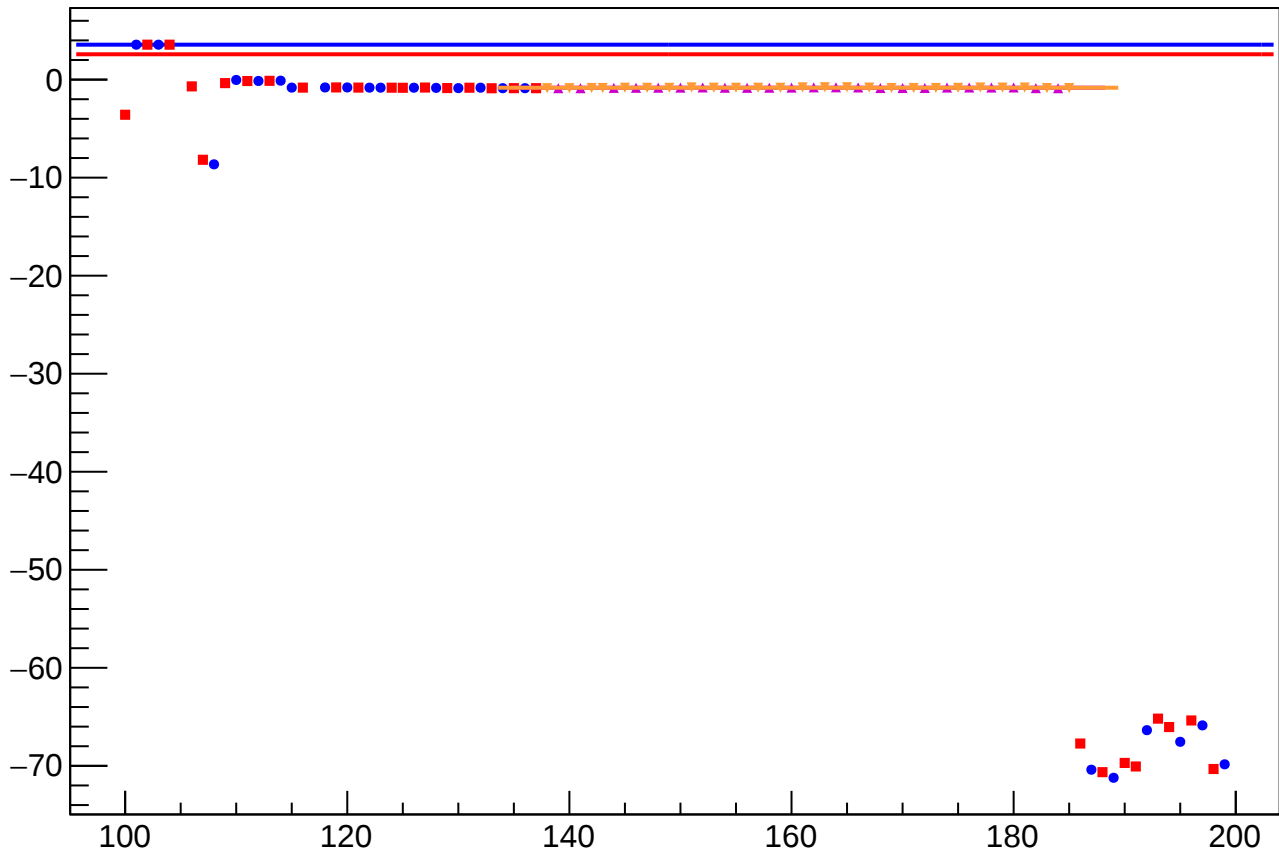
Left In: 0.029+/-0.000 χ^2/NDF : 1164030.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 46594714.2/47

All: 0.000+/-0.000 χ^2/NDF : 93705995.4/97

- sign 0.000+/-0.000 χ^2/NDF : 47110597.4/49

yield_cav4bY_mean vs Slug



Right In: 3.563 $\pm$ 0.000 χ^2 /NDF: 499076477406.2/22

Left Out: -0.828 $\pm$ 0.000 χ^2 /NDF: 168178464.8/24

Right Out: 2.583 $\pm$ 0.000 χ^2 /NDF: 1253522282387404.2/26

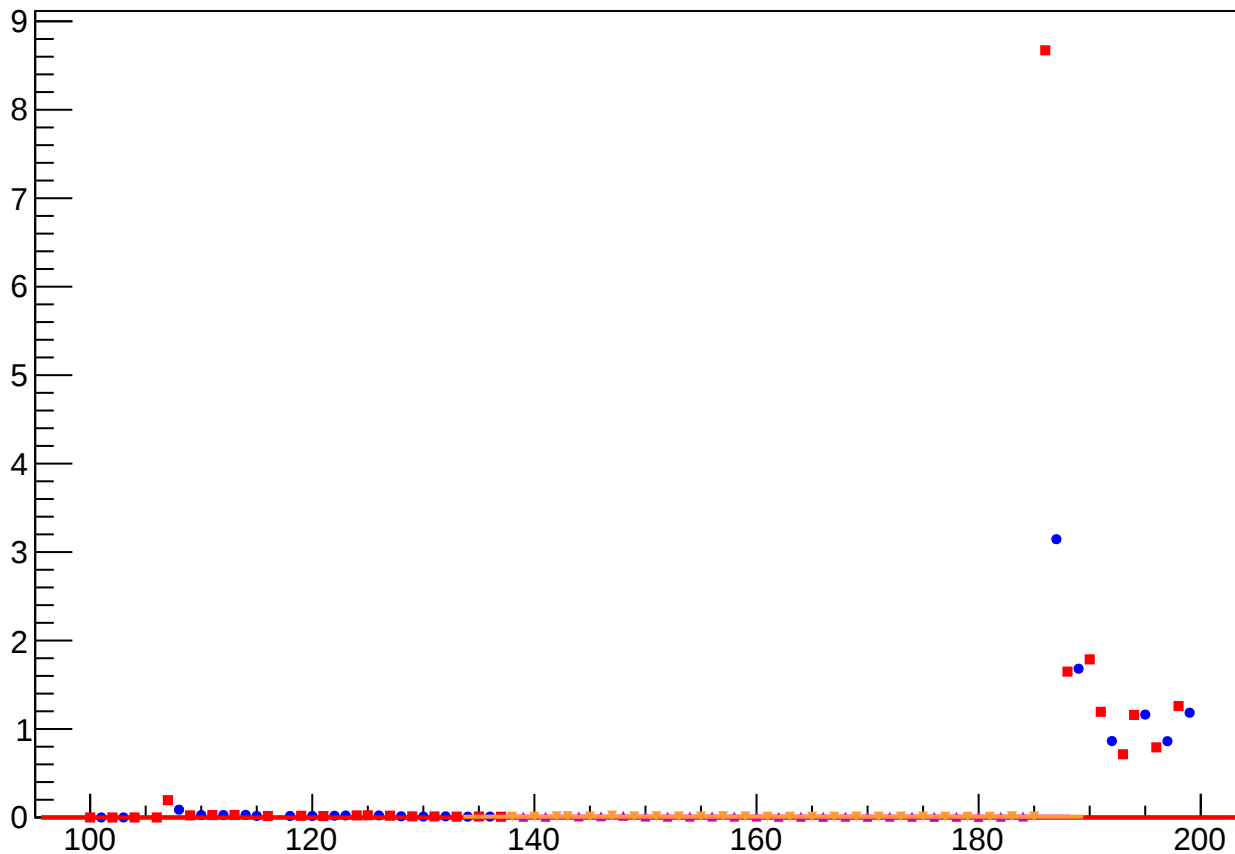
Left In: -0.827 $\pm$ 0.000 χ^2 /NDF: 172640246.1/22

+ sign 3.560 $\pm$ 0.000 χ^2 /NDF: 4181232570710.5/47

All: 3.038 $\pm$ 0.000 χ^2 /NDF: 13879790471058

- sign 2.581 $\pm$ 0.000 χ^2 /NDF: 1255722334719842.5

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 16098324.0/22

Left Out: 0.009+/-0.000 χ^2/NDF :1454710.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 18304994.0/26

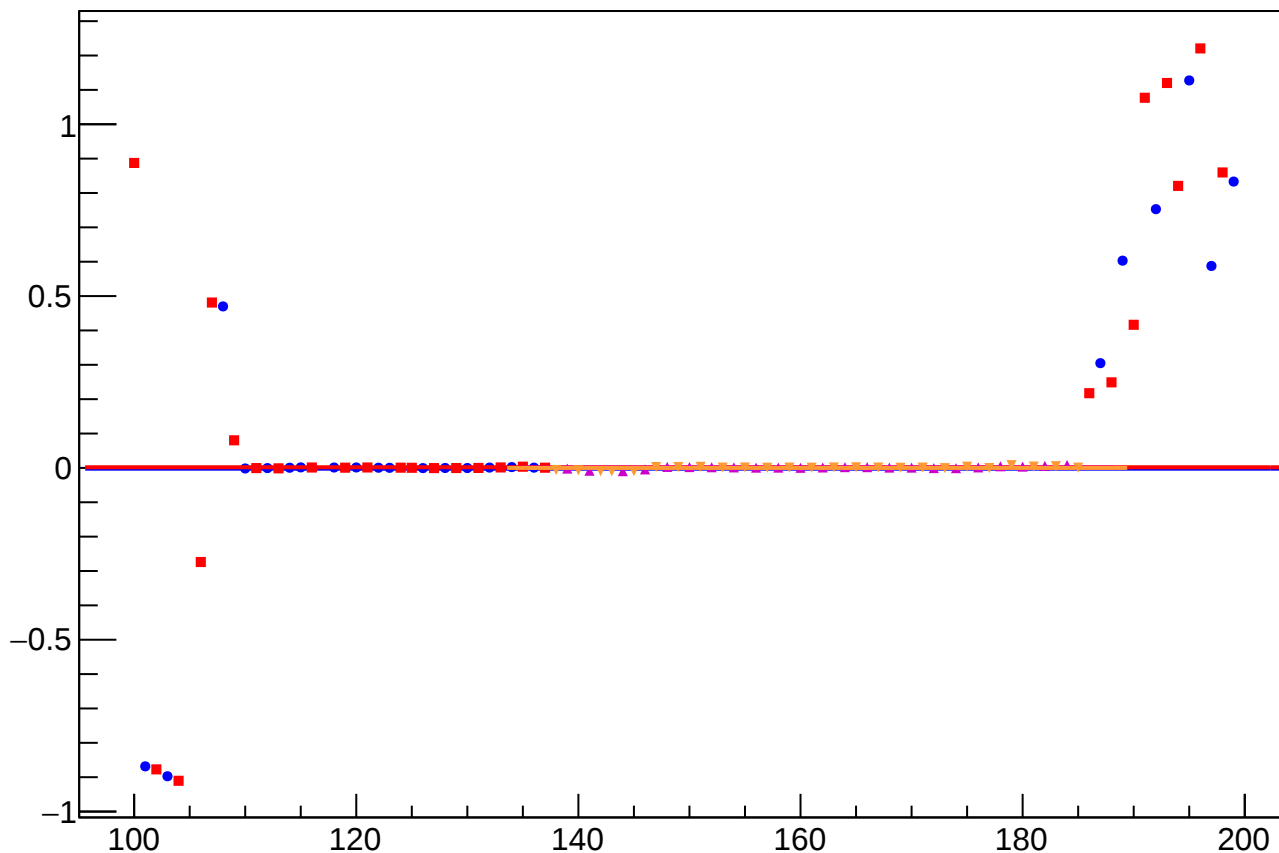
Left In: 0.009+/-0.000 χ^2/NDF :1041524.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 47507135.8/47

All: 0.000+/-0.000 χ^2/NDF : 95358781.2/97

- sign 0.000+/-0.000 χ^2/NDF : 47850522.7/49

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9796283872.6/22

Left Out: -0.000 ± 0.000 χ^2/NDF : 151482851.1/24

Right Out: 0.002 ± 0.000 χ^2/NDF : 3042481402.7/26

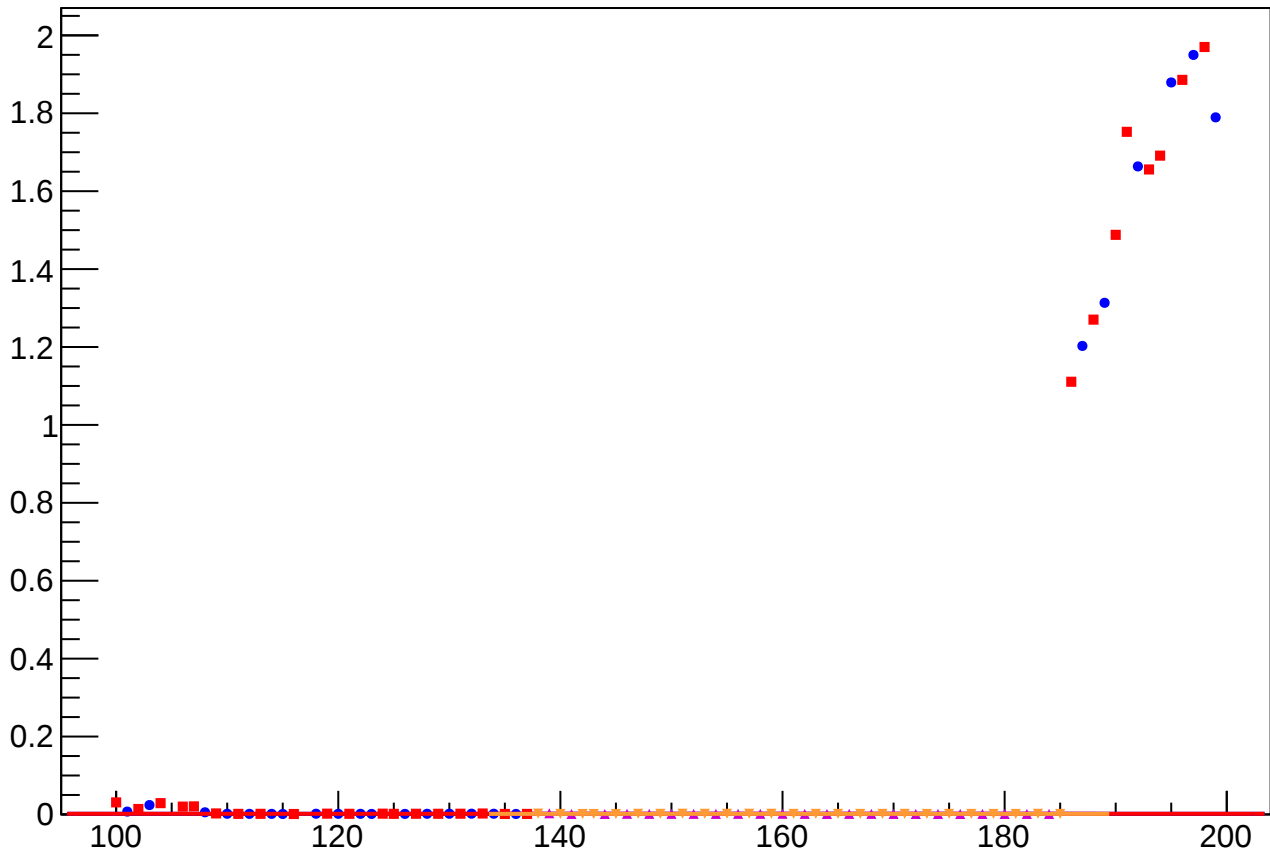
Left In: 0.001 ± 0.000 χ^2/NDF : 101439617.3/22

+ sign -0.001 ± 0.000 χ^2/NDF : 9954302101.9/47

All: 0.000 ± 0.000 χ^2/NDF : 13107770407.5/9

- sign 0.001 ± 0.000 χ^2/NDF : 3145887199.2/49

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 9597650.1/22

Left Out: 0.001+/-0.000 χ^2/NDF :539817.3/24

Right Out: 0.002+/-0.000 χ^2/NDF : 12794072.9/26

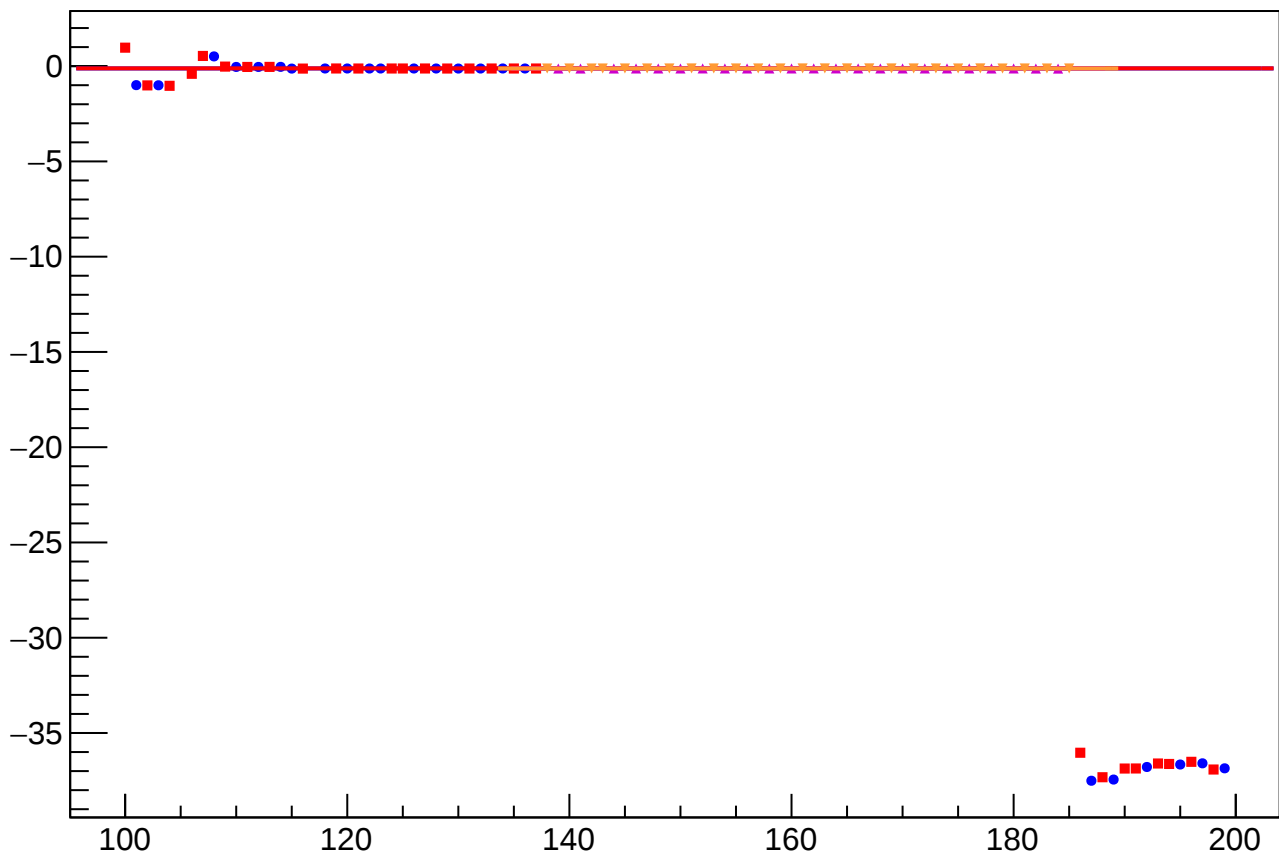
Left In: 0.001+/-0.000 χ^2/NDF :626044.8/22

+ sign 0.002+/-0.000 χ^2/NDF : 10208822.7/47

All: 0.002+/-0.000 χ^2/NDF : 23747161.2/97

- sign 0.002+/-0.000 χ^2/NDF : 13529377.5/49

yield_cav4cY_mean vs Slug



Right In: -0.121 ± 0.000 χ^2/NDF : 36185347584.3/22

Left Out: -0.121 ± 0.000 χ^2/NDF : 58120109.3/24

Right Out: -0.116 ± 0.000 χ^2/NDF : 43295364286.1/26

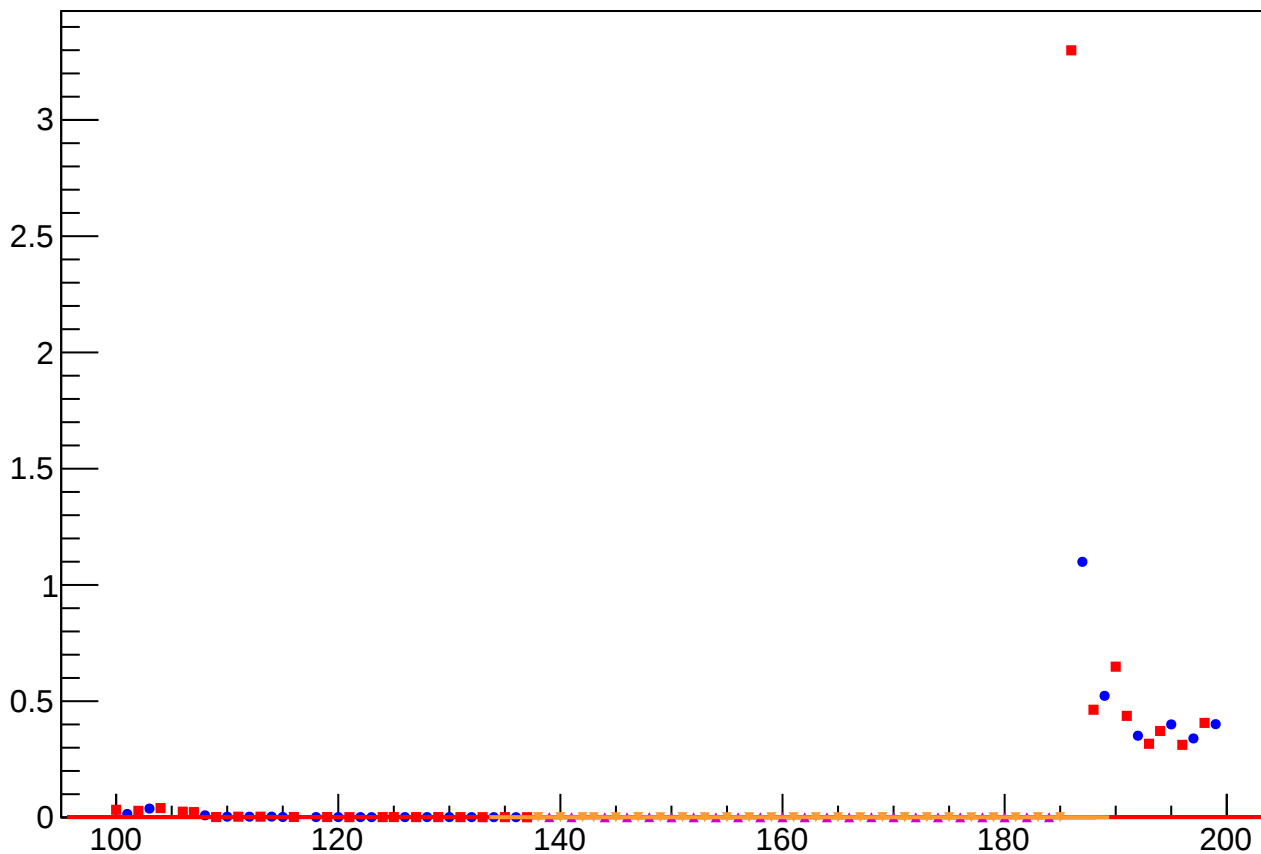
Left In: -0.121 ± 0.000 χ^2/NDF : 52113932.9/22

+ sign -0.121 ± 0.000 χ^2/NDF : 36243603211.3/47

All: -0.121 ± 0.000 χ^2/NDF : 79636247490.3/100

- sign -0.120 ± 0.000 χ^2/NDF : 43388657749.5/49

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 10155663.7/22

Left Out: 0.001+/-0.000 χ^2/NDF :1363316.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 12889062.9/26

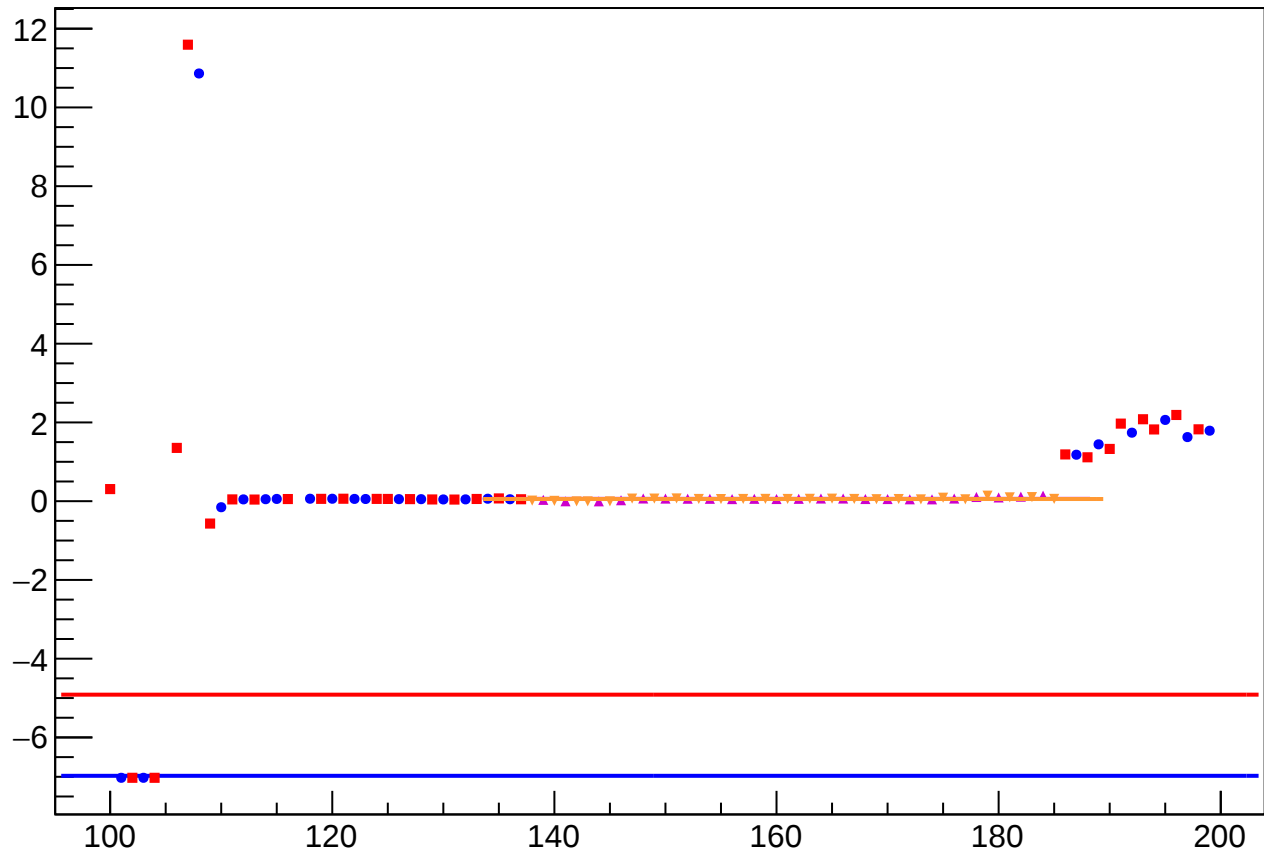
Left In: 0.001+/-0.000 χ^2/NDF :970801.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 12717637.6/47

All: 0.001+/-0.000 χ^2/NDF : 27707576.9/97

- sign 0.001+/-0.000 χ^2/NDF : 14988089.1/49

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 $\chi^2/\text{NDF}: 8797487770131.5/22$

Left Out: 0.055 ± 0.000 $\chi^2/\text{NDF}: 243682351.4/24$

Right Out: -4.914 ± 0.000 $\chi^2/\text{NDF}: 365352764057705.6/26$

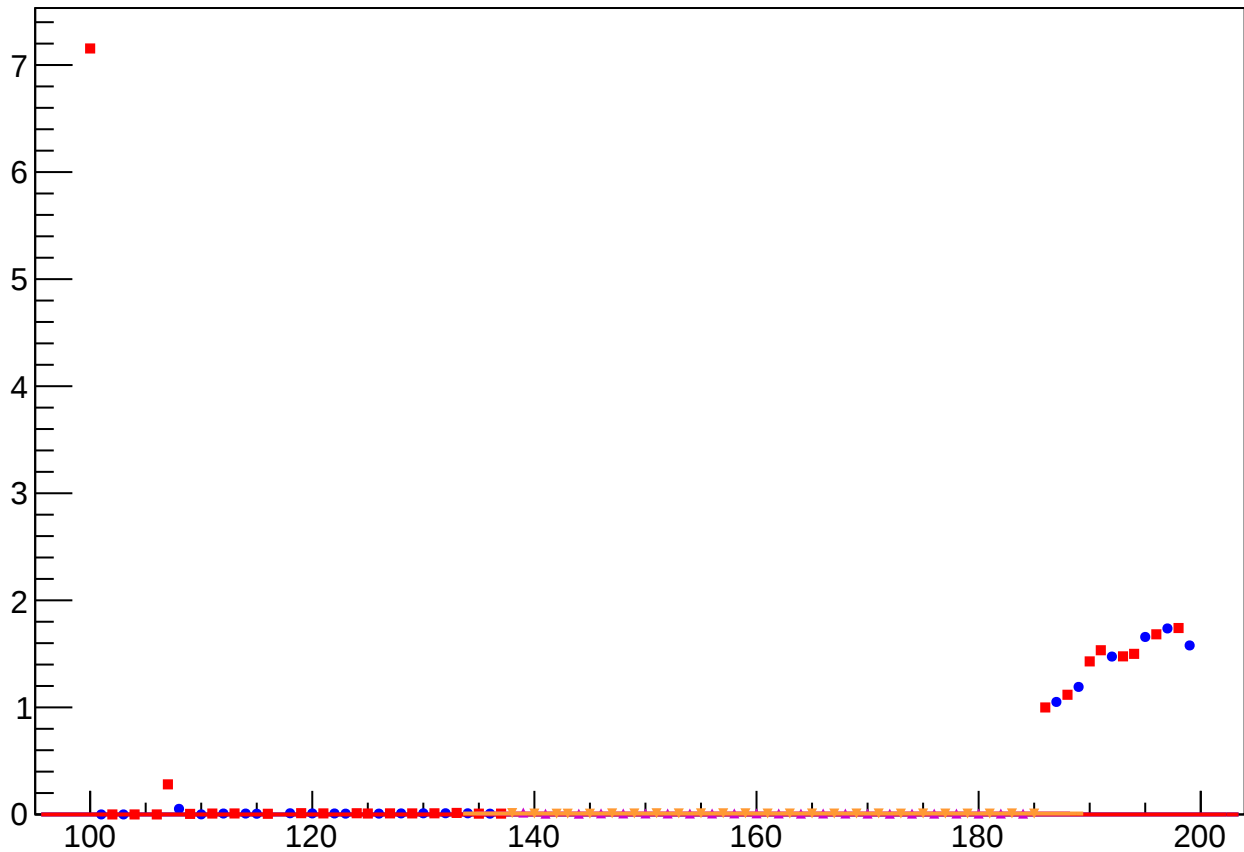
Left In: 0.059 ± 0.000 $\chi^2/\text{NDF}: 178541521.9/22$

+ sign -6.921 ± 0.000 $\chi^2/\text{NDF}: 18423801485380.3/22$

All: -5.858 ± 0.000 $\chi^2/\text{NDF}: 4435288005505.6/22$

- sign -4.882 ± 0.000 $\chi^2/\text{NDF}: 369731784423580.4/22$

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 16042403.8/22

Left Out: 0.009+/-0.000 χ^2/NDF : 514432.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 18571741.8/26

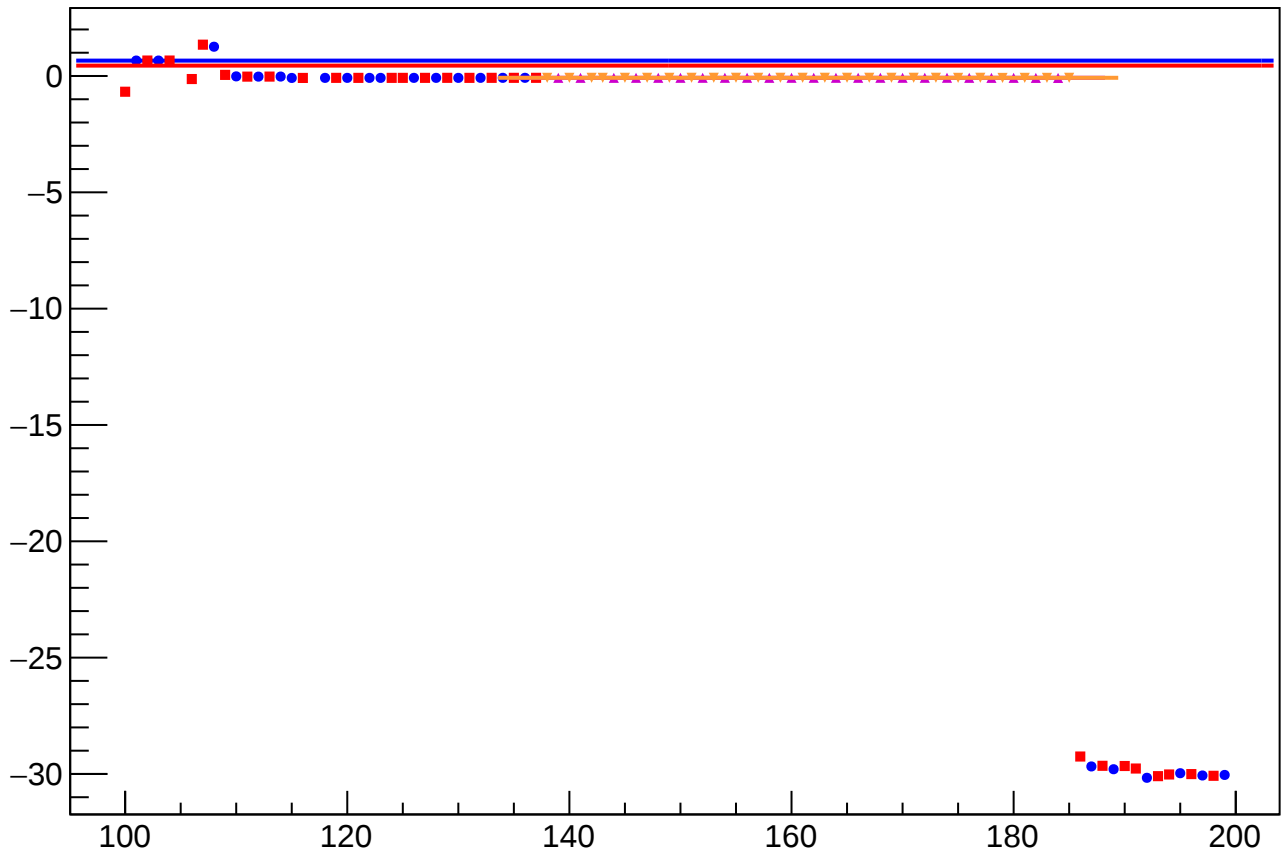
Left In: 0.009+/-0.000 χ^2/NDF : 602517.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 44944689.1/47

All: 0.000+/-0.000 χ^2/NDF : 90977436.3/97

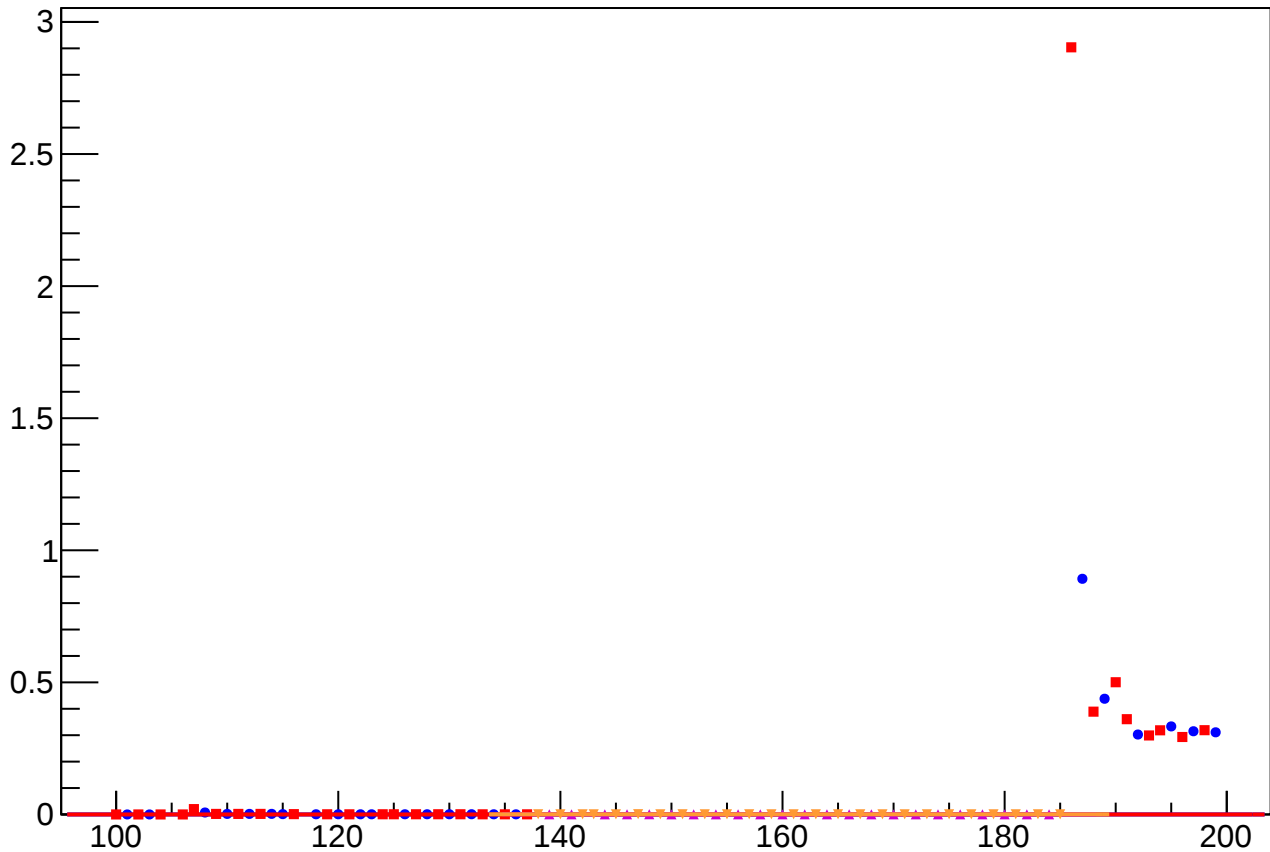
- sign 0.000+/-0.000 χ^2/NDF : 46027942.2/49

yield_cav4dY_mean vs Slug



Right In: 0.661 ± 0.000 $\chi^2/\text{NDF}: 5691465762883.3/22$
 Left Out: -0.078 ± 0.000 $\chi^2/\text{NDF}: 156404795.7/24$ + sign 0.646 ± 0.000 $\chi^2/\text{NDF}: 35790260147601.3/4$
 Right Out: 0.446 ± 0.000 $\chi^2/\text{NDF}: 405466403234044.5/26$ All: 0.537 ± 0.000 $\chi^2/\text{NDF}: 51591560061687$
 Left In: -0.077 ± 0.000 $\chi^2/\text{NDF}: 110762924.1/22$ - sign 0.437 ± 0.000 $\chi^2/\text{NDF}: 419588438503533.3/26$

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 17514701.1/22

Left Out: 0.001+/-0.000 χ^2/NDF : 465981.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 19097374.9/26

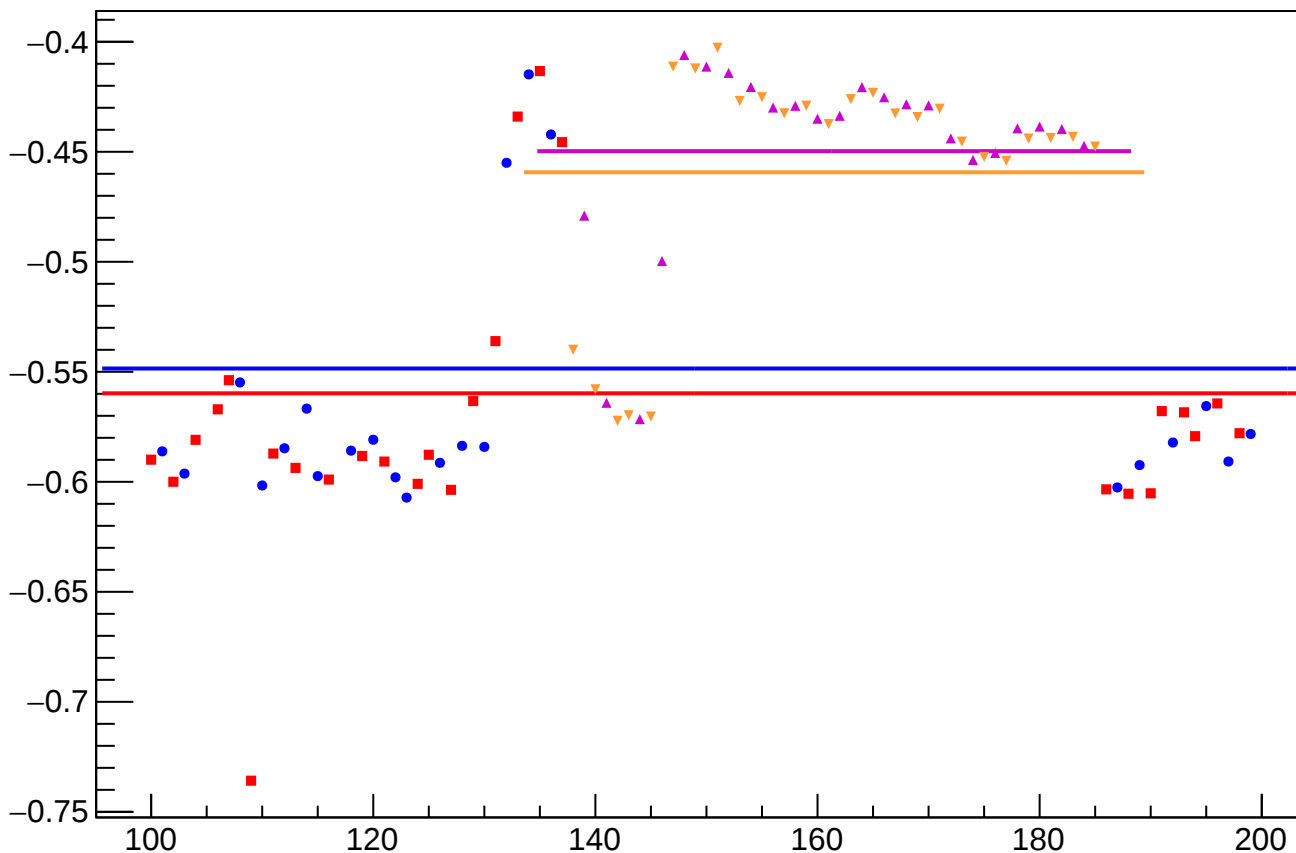
Left In: 0.001+/-0.000 χ^2/NDF : 355509.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 50068371.4/47

All: 0.000+/-0.000 χ^2/NDF : 99966530.0/97

- sign 0.000+/-0.000 χ^2/NDF : 49890333.0/49

yield_bpm4aX_mean vs Slug



Right In: -0.548 ± 0.000 χ^2/NDF : 47547266.6/22

Left Out: -0.459 ± 0.000 χ^2/NDF : 113602161.0/24

Right Out: -0.560 ± 0.000 χ^2/NDF : 65642680.9/26

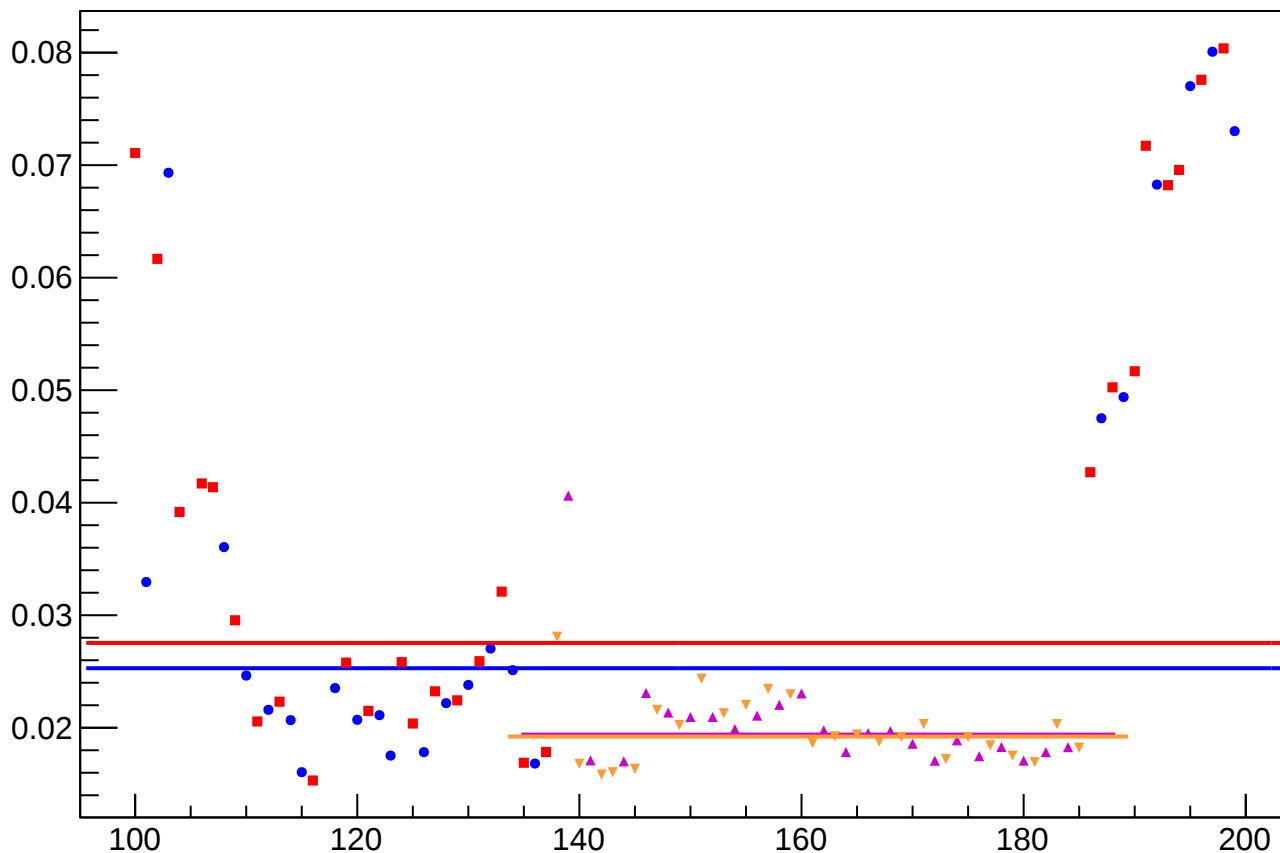
Left In: -0.450 ± 0.000 χ^2/NDF : 76117957.8/22

+ sign -0.479 ± 0.000 χ^2/NDF : 231672010.7/47

All: -0.477 ± 0.000 χ^2/NDF : 477318911.3/97

- sign -0.475 ± 0.000 χ^2/NDF : 245264501.3/49

yield_bpm4aX_rms vs Slug



Right In: 0.025 $\pm$ 0.000 χ^2/NDF : 4279746.2/22

Left Out: 0.019 $\pm$ 0.000 χ^2/NDF : 501711.6/24

Right Out: 0.028 $\pm$ 0.000 χ^2/NDF : 4722568.9/26

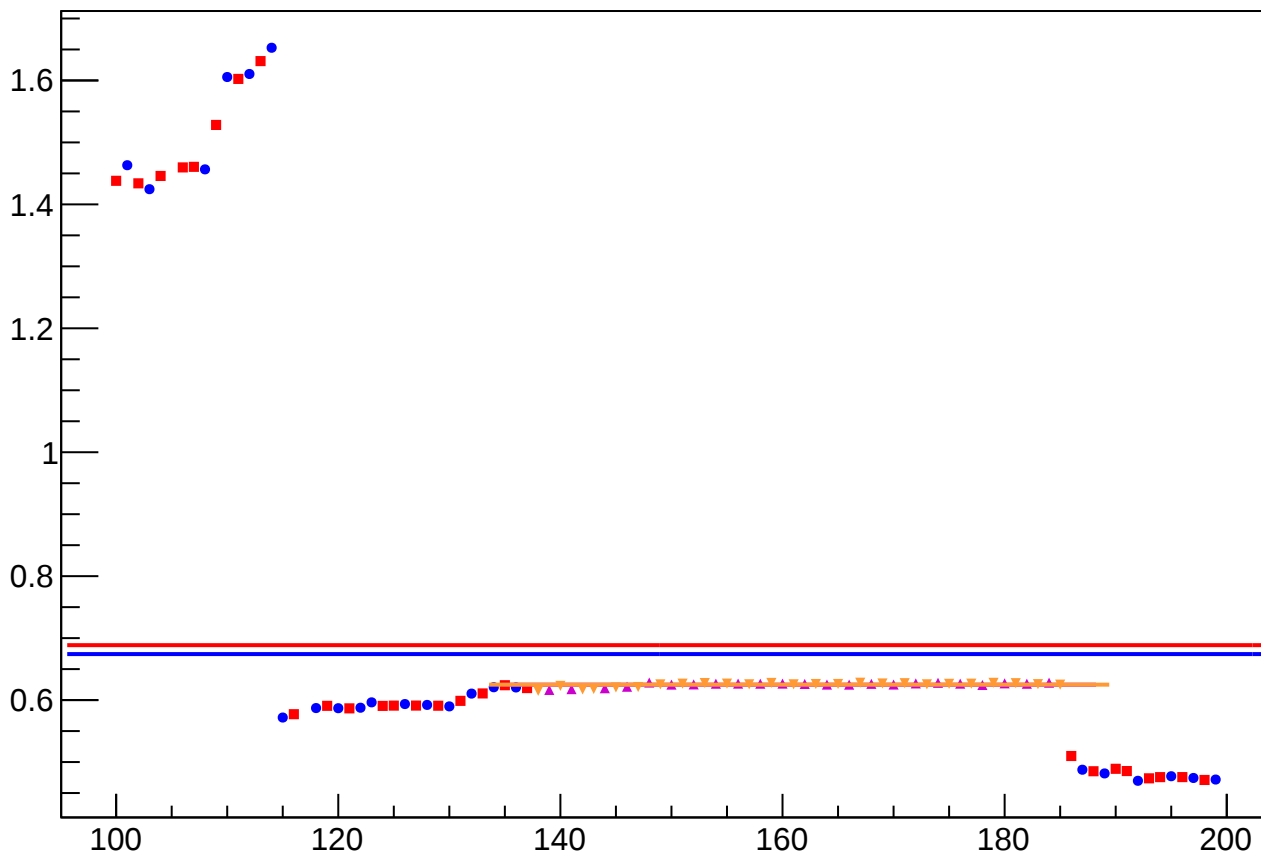
Left In: 0.019 $\pm$ 0.000 χ^2/NDF : 626443.5/22

+ sign 0.021 $\pm$ 0.000 χ^2/NDF : 5435194.1/47

All: 0.021 $\pm$ 0.000 χ^2/NDF : 11942971.8/97

- sign 0.021 $\pm$ 0.000 χ^2/NDF : 6482607.5/49

yield_bpm4aY_mean vs Slug



Right In: 0.674+/-0.000 χ^2/NDF : 4604557948.2/22

Left Out: 0.625+/-0.000 χ^2/NDF :1445169.1/24

Right Out: 0.689+/-0.000 χ^2/NDF : 5601895304.5/26

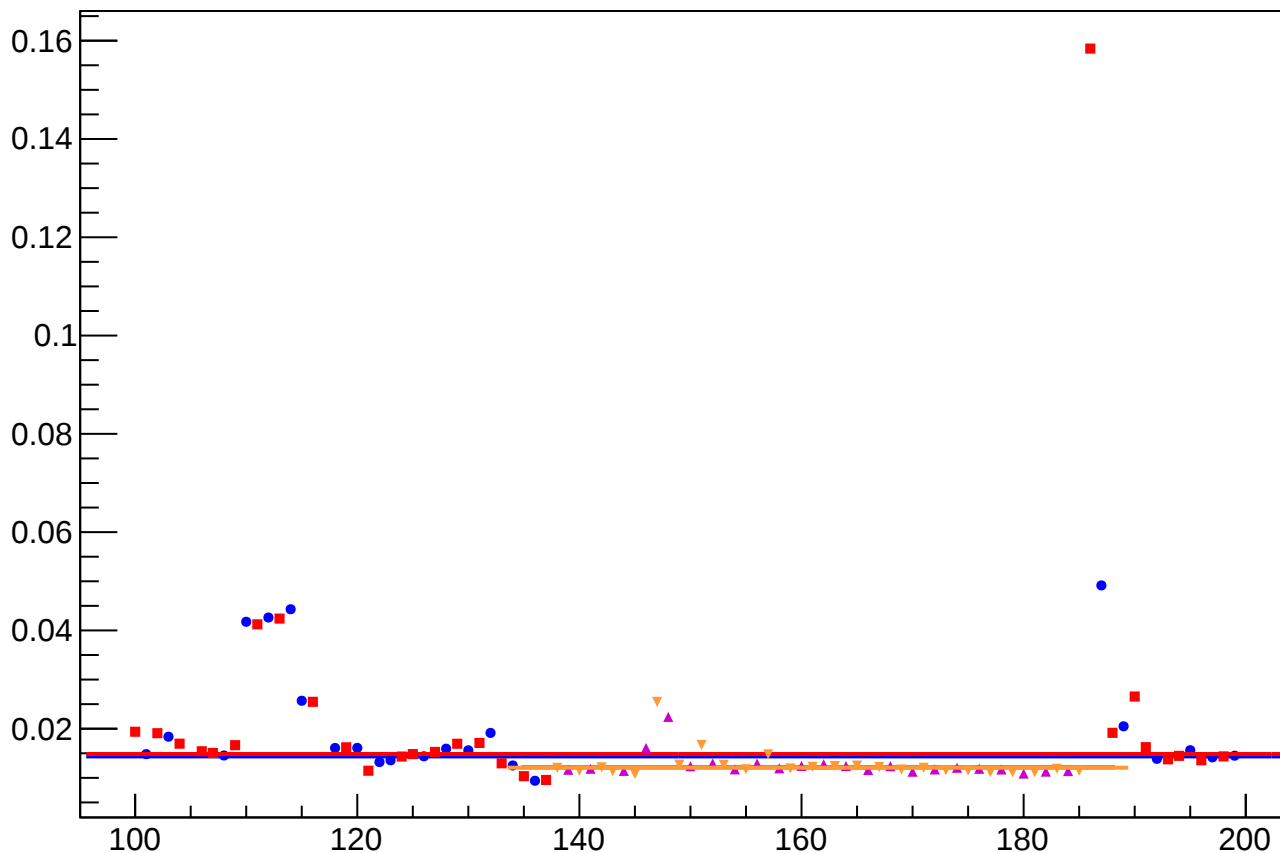
Left In: 0.625+/-0.000 χ^2/NDF :1143954.1/22

+ sign 0.638+/-0.000 χ^2/NDF : 4685850426.0/47

All: 0.641+/-0.000 χ^2/NDF : 10426440357.6/9

- sign 0.644+/-0.000 χ^2/NDF : 5738342685.4/49

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1634989.8/22

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 657199.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2074313.5/26

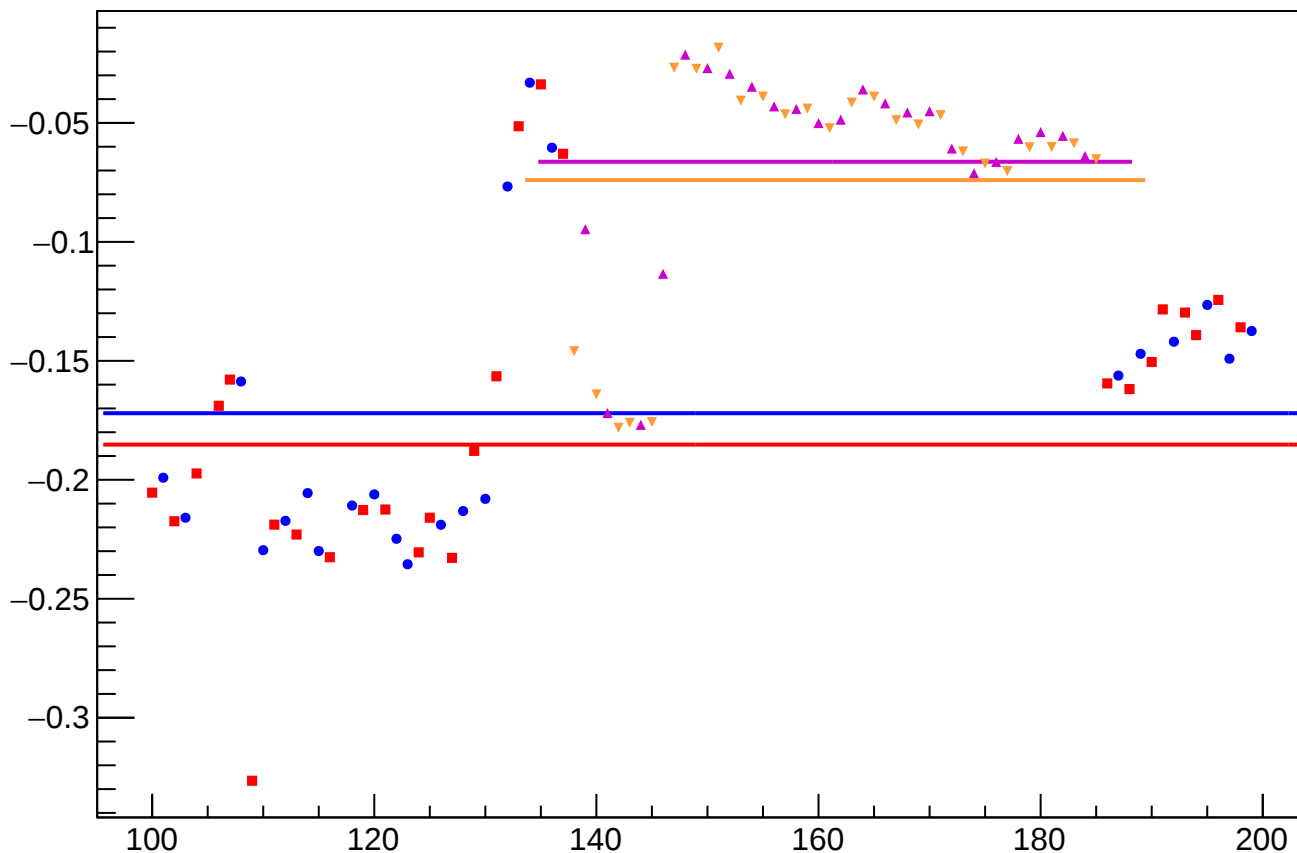
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 488363.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2636853.0/47

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5699172.4/97

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3052905.6/49

yield_bpm4eX_mean vs Slug



Right In: -0.172+/-0.000 χ^2/NDF : 67693599.8/22

Left Out: -0.074+/-0.000 χ^2/NDF : 107676601.9/24

Right Out: -0.185+/-0.000 χ^2/NDF : 84446407.7/26

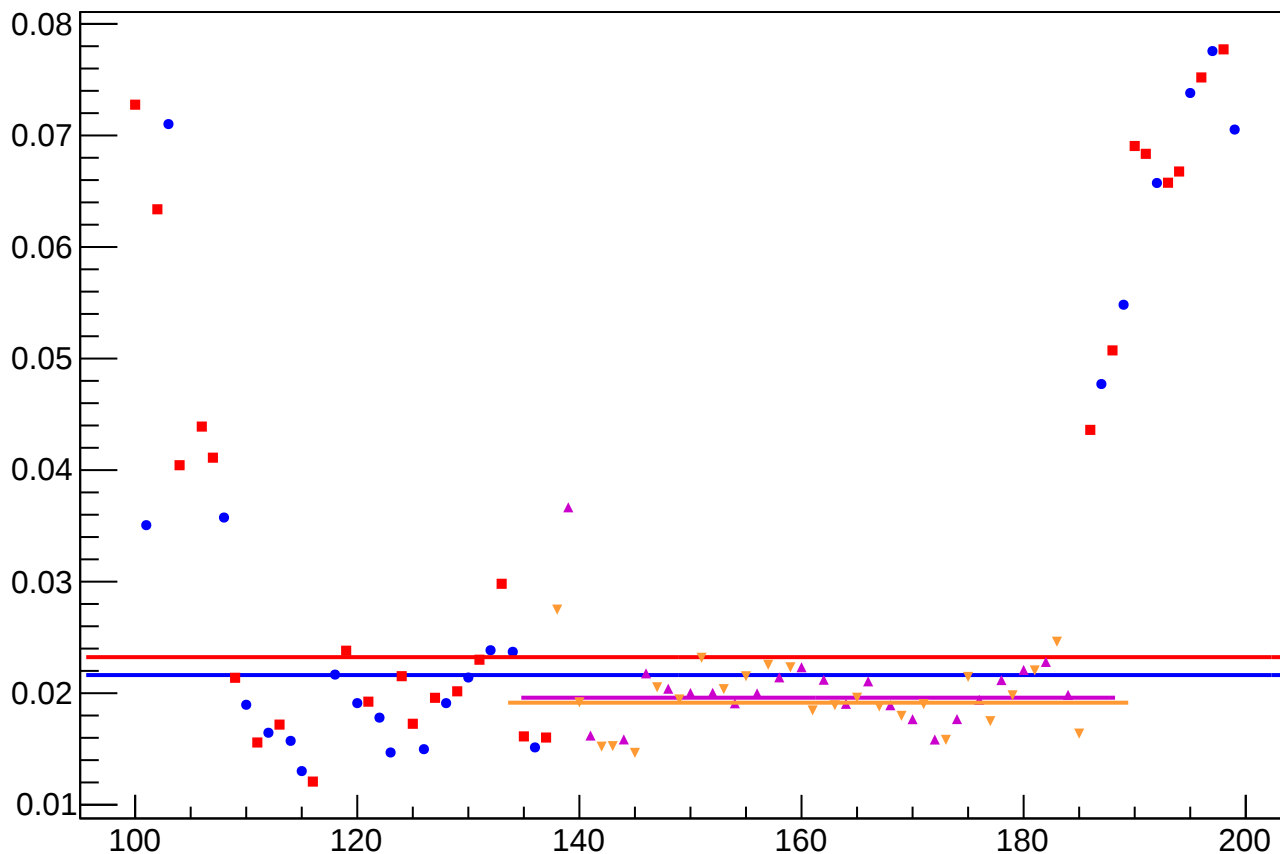
Left In: -0.066+/-0.000 χ^2/NDF : 76243051.8/22

+ sign -0.100+/-0.000 χ^2/NDF : 280201754.3/47

All: -0.100+/-0.000 χ^2/NDF : 589477041.0/97

- sign -0.100+/-0.000 χ^2/NDF : 309275200.6/49

yield_bpm4eX_rms vs Slug



Right In: 0.022 ± 0.000 $\chi^2/\text{NDF}: 4997353.2/22$

Left Out: 0.019 ± 0.000 $\chi^2/\text{NDF}: 641277.0/24$

Right Out: 0.023 ± 0.000 $\chi^2/\text{NDF}: 5787637.7/26$

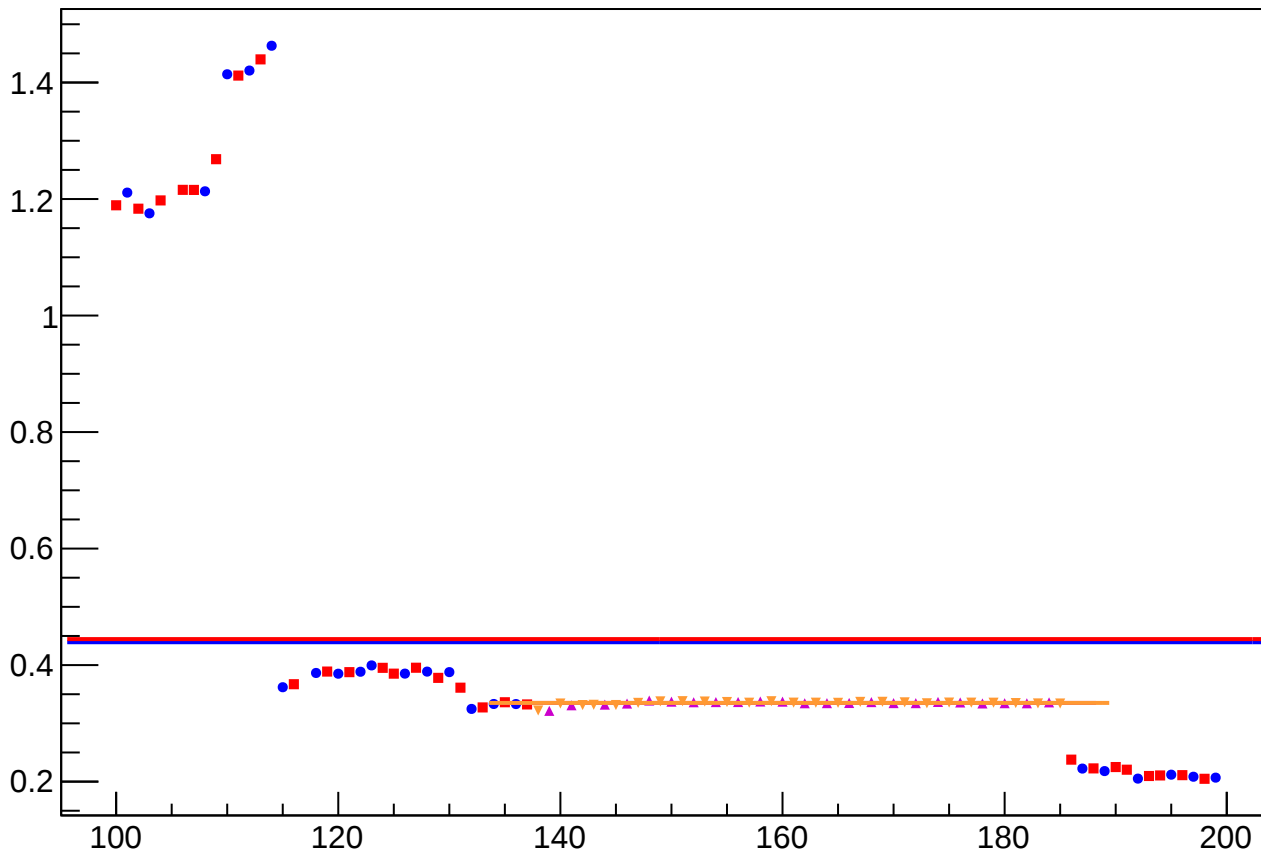
Left In: 0.020 ± 0.000 $\chi^2/\text{NDF}: 623148.2/22$

+ sign 0.020 ± 0.000 $\chi^2/\text{NDF}: 5772537.4/47$

All: 0.020 ± 0.000 $\chi^2/\text{NDF}: 12497236.0/97$

- sign 0.021 ± 0.000 $\chi^2/\text{NDF}: 6688583.1/49$

yield_bpm4eY_mean vs Slug



Right In: 0.439+/-0.000 χ^2/NDF : 6742025200.1/22

Left Out: 0.335+/-0.000 χ^2/NDF :1154310.3/24

Right Out: 0.445+/-0.000 χ^2/NDF : 7860048627.8/26

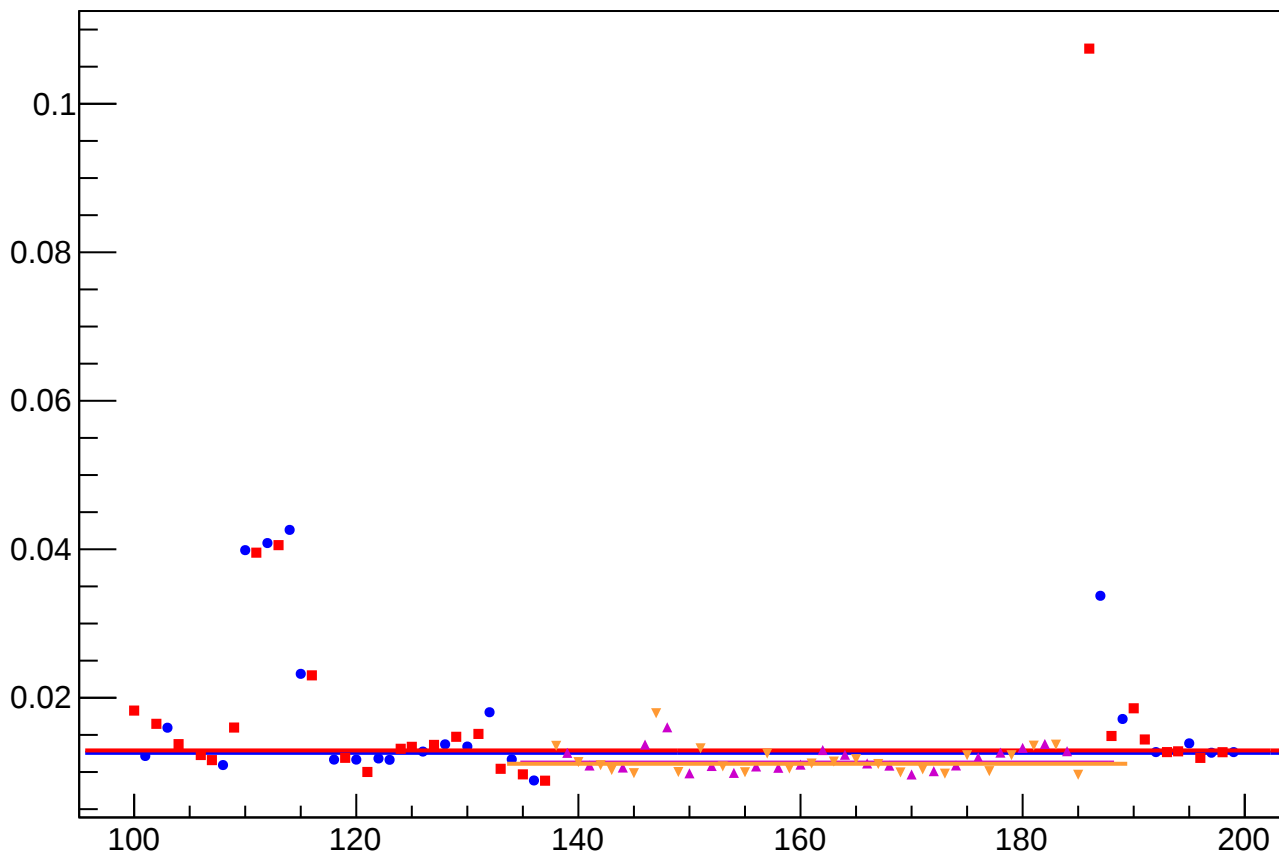
Left In: 0.335+/-0.000 χ^2/NDF :1202194.8/22

+ sign 0.366+/-0.000 χ^2/NDF : 7194574702.1/47

All: 0.368+/-0.000 χ^2/NDF : 15563174534.2/9

- sign 0.371+/-0.000 χ^2/NDF : 8366353015.0/49

yield_bpm4eY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1507262.7/22

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:607532.0/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1932459.5/26

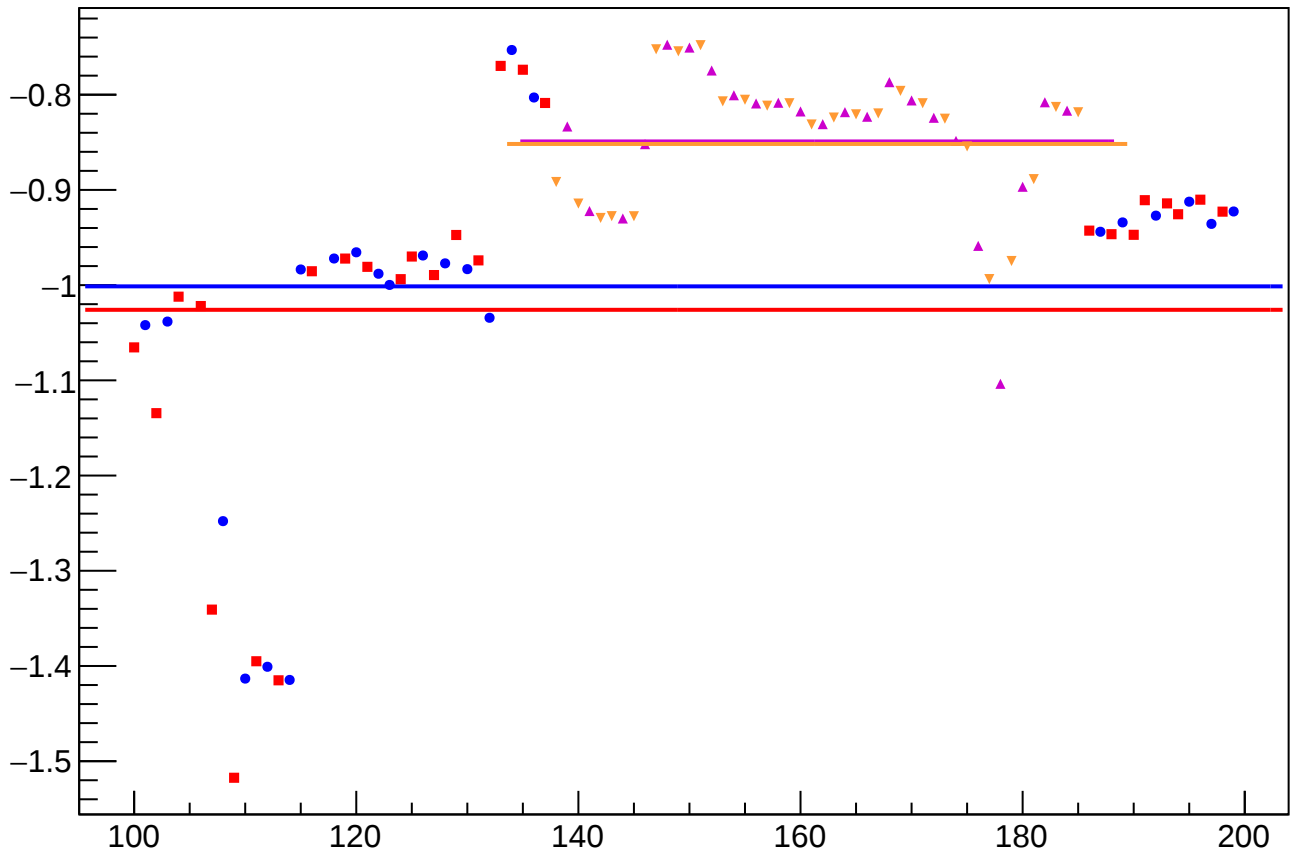
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:502455.5/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2294959.7/47

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 4967720.3/97

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2659788.1/49

yield_bpm4acX_mean vs Slug



Right In: -1.001 ± 0.000 χ^2/NDF : 398850911.3/22

Left Out: -0.852 ± 0.000 χ^2/NDF : 189103962.4/24

Right Out: -1.026 ± 0.000 χ^2/NDF : 549290183.7/26

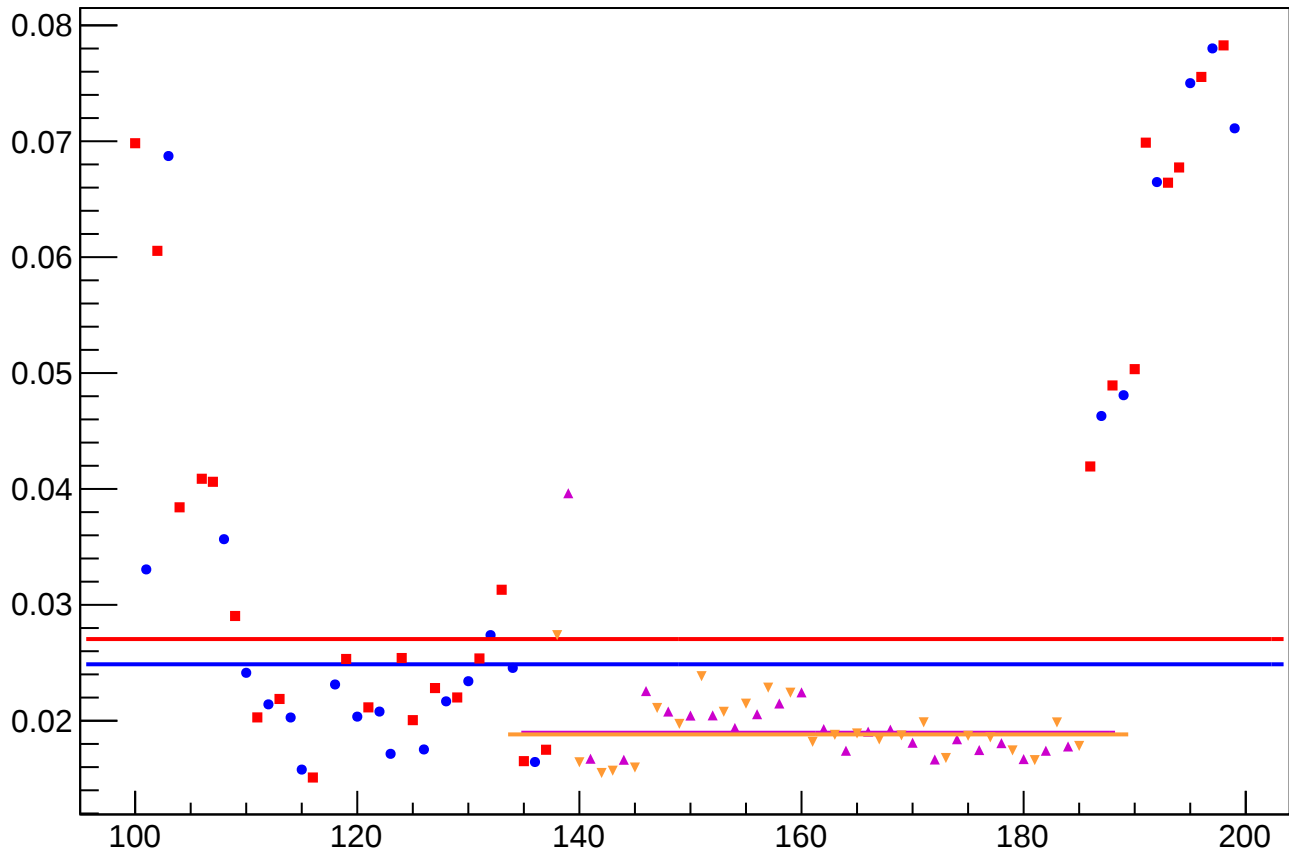
Left In: -0.849 ± 0.000 χ^2/NDF : 256391274.4/22

+ sign -0.885 ± 0.000 χ^2/NDF : 793476196.0/47

All: -0.887 ± 0.000 χ^2/NDF : 1877537859.9/9

- sign -0.890 ± 0.000 χ^2/NDF : 1083416611.3/49

yield_bpm4acX_rms vs Slug



Right In: 0.025 $\pm$ 0.000 χ^2 /NDF: 4272101.4/22

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 490509.4/24

Right Out: 0.027 $\pm$ 0.000 χ^2 /NDF: 4682944.1/26

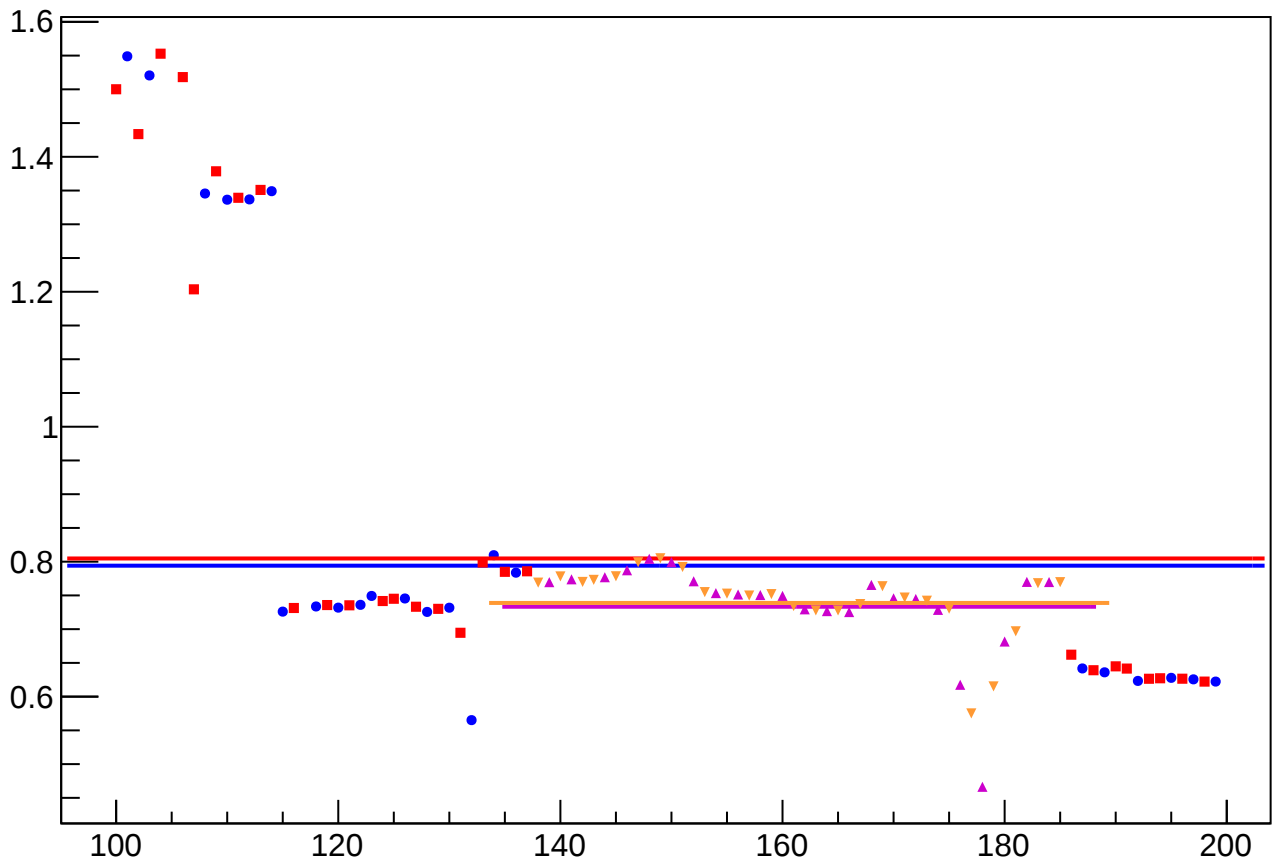
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 615173.8/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 5435237.5/47

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 11916591.5/97

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 6458349.6/49

yield_bpm4acY_mean vs Slug



Right In: 0.794 ± 0.000 χ^2/NDF : 3145053967.8/22

Left Out: 0.739 ± 0.000 χ^2/NDF : 333013236.5/24

+ sign 0.754 ± 0.000 χ^2/NDF : 3576358225.5/47

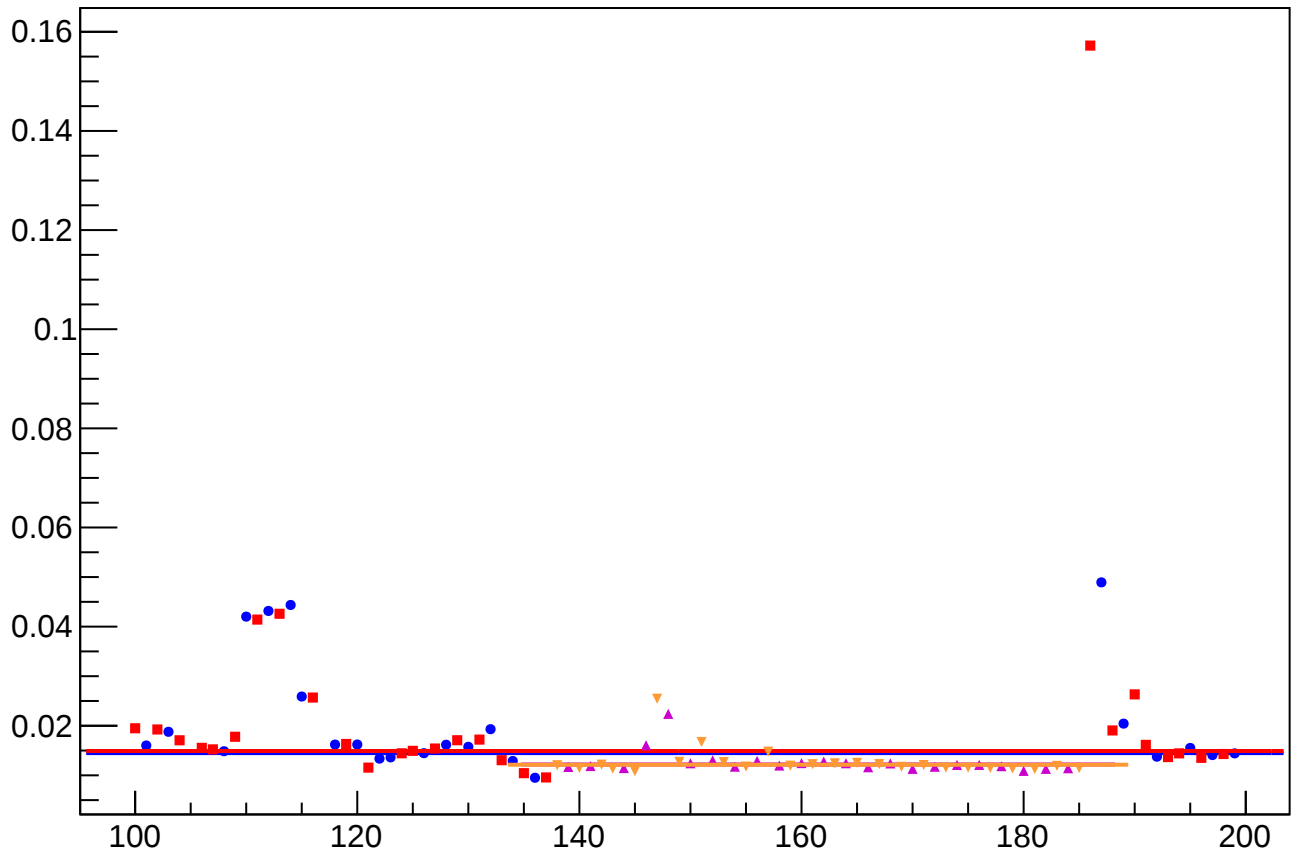
Right Out: 0.805 ± 0.000 χ^2/NDF : 3446325960.8/26

All: 0.754 ± 0.000 χ^2/NDF : 7760662157.0/97

- sign 0.754 ± 0.000 χ^2/NDF : 4184288062.5/49

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: 1635858.4/22

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:637986.2/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2078451.1/26

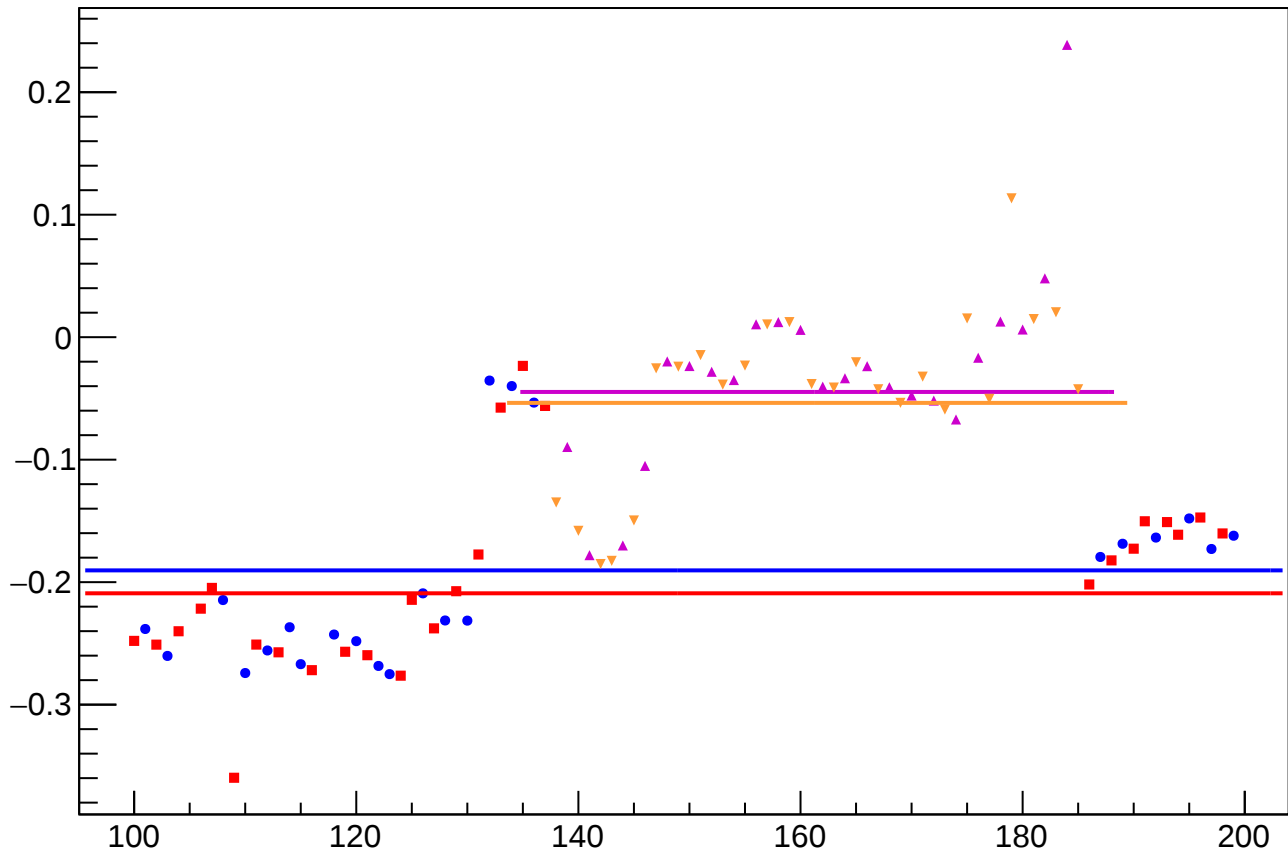
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:481830.1/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2628262.4/47

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5681668.0/97

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3045923.2/49

yield_bpm4ecX_mean vs Slug



Right In: -0.190 ± 0.000 χ^2/NDF : 106886502.9/22

Left Out: -0.054 ± 0.000 χ^2/NDF : 167834173.6/24

Right Out: -0.209 ± 0.000 χ^2/NDF : 112992675.2/26

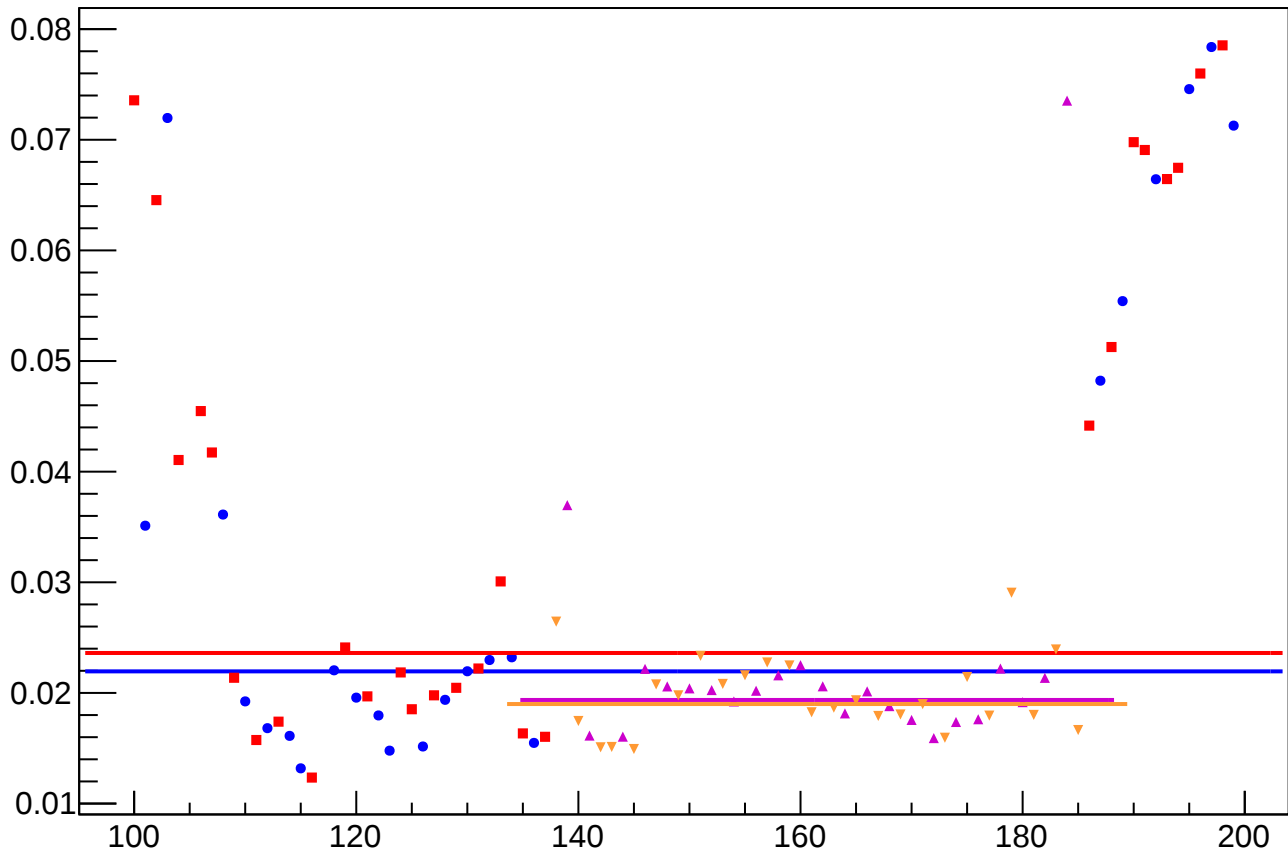
Left In: -0.045 ± 0.000 χ^2/NDF : 127192425.2/22

+ sign -0.090 ± 0.000 χ^2/NDF : 473969809.1/47

All: -0.090 ± 0.000 χ^2/NDF : 991383429.5/97

- sign -0.090 ± 0.000 χ^2/NDF : 517399594.0/49

yield_bpm4ecX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 4954753.4/22

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 700229.7/24

Right Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 5755805.0/26

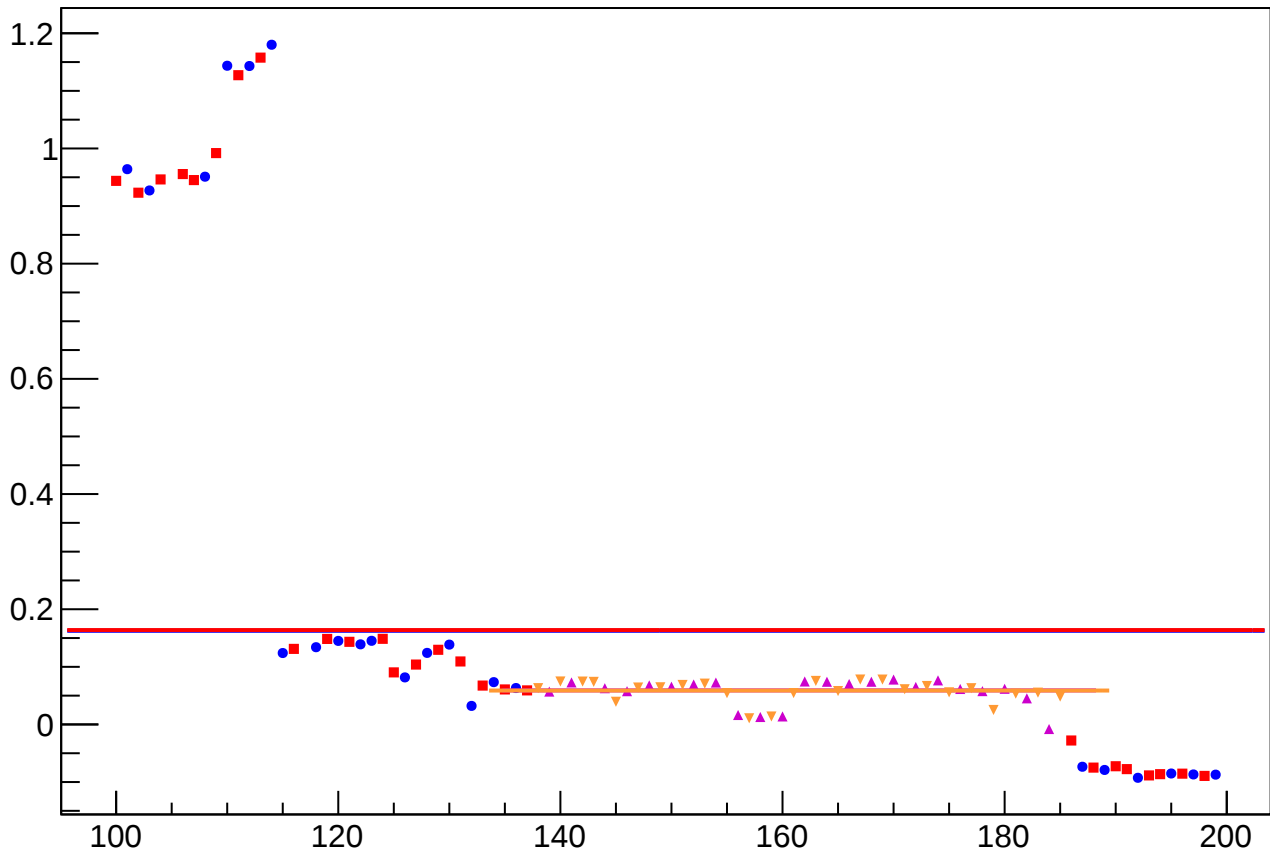
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 858216.8/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 5840813.5/47

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 12856193.5/97

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 6983915.7/49

yield_bpm4ecY_mean vs Slug



Right In: 0.163+/-0.000 χ^2/NDF : 7220138651.3/22

Left Out: 0.059+/-0.000 χ^2/NDF : 46821236.8/24

+ sign 0.089+/-0.000 χ^2/NDF : 7722398090.1/47

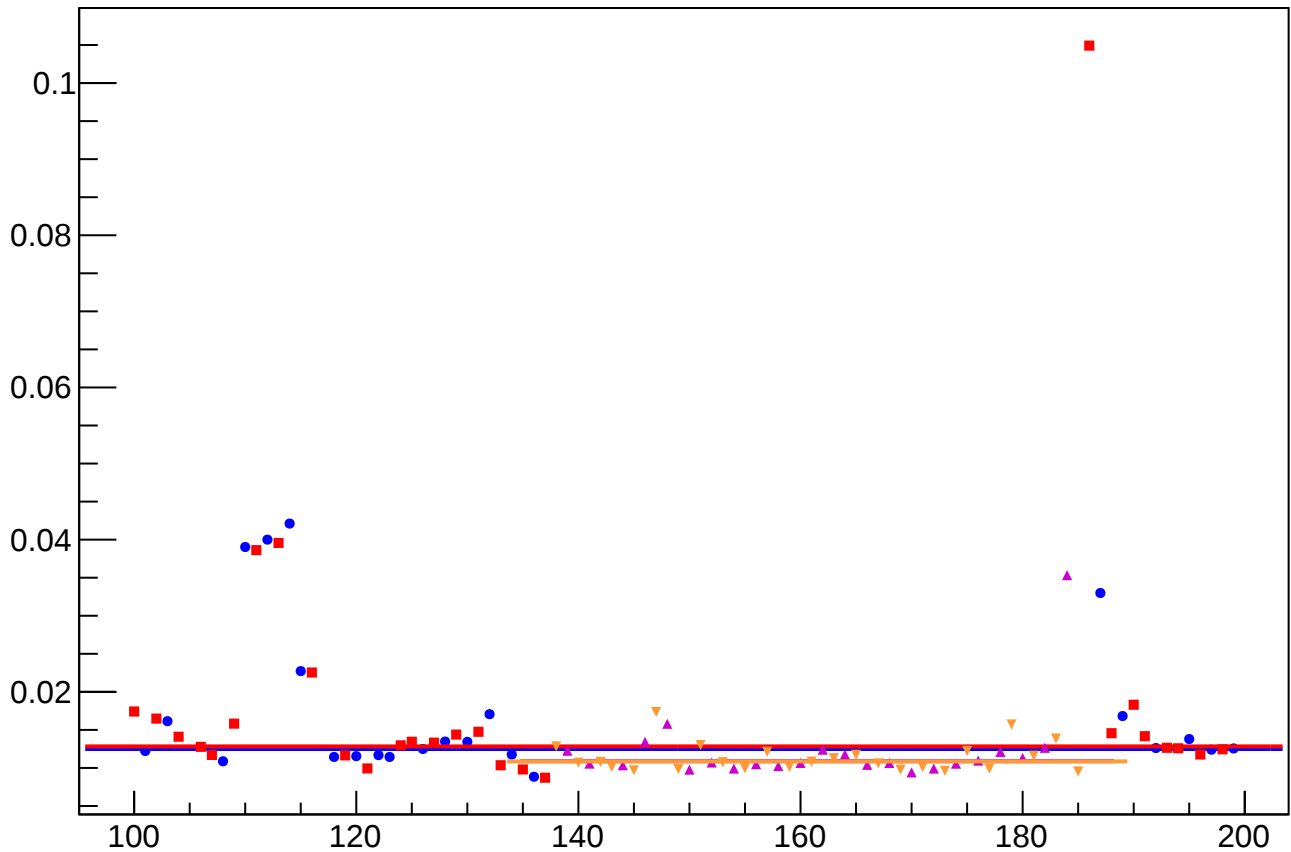
Right Out: 0.164+/-0.000 χ^2/NDF : 8231790925.4/26

All: 0.091+/-0.000 χ^2/NDF : 16485733050.3/9

- sign 0.092+/-0.000 χ^2/NDF : 8762474696.5/49

Left In: 0.059+/-0.000 χ^2/NDF : 58518655.0/22

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1474082.2/22

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:604787.9/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1889341.1/26

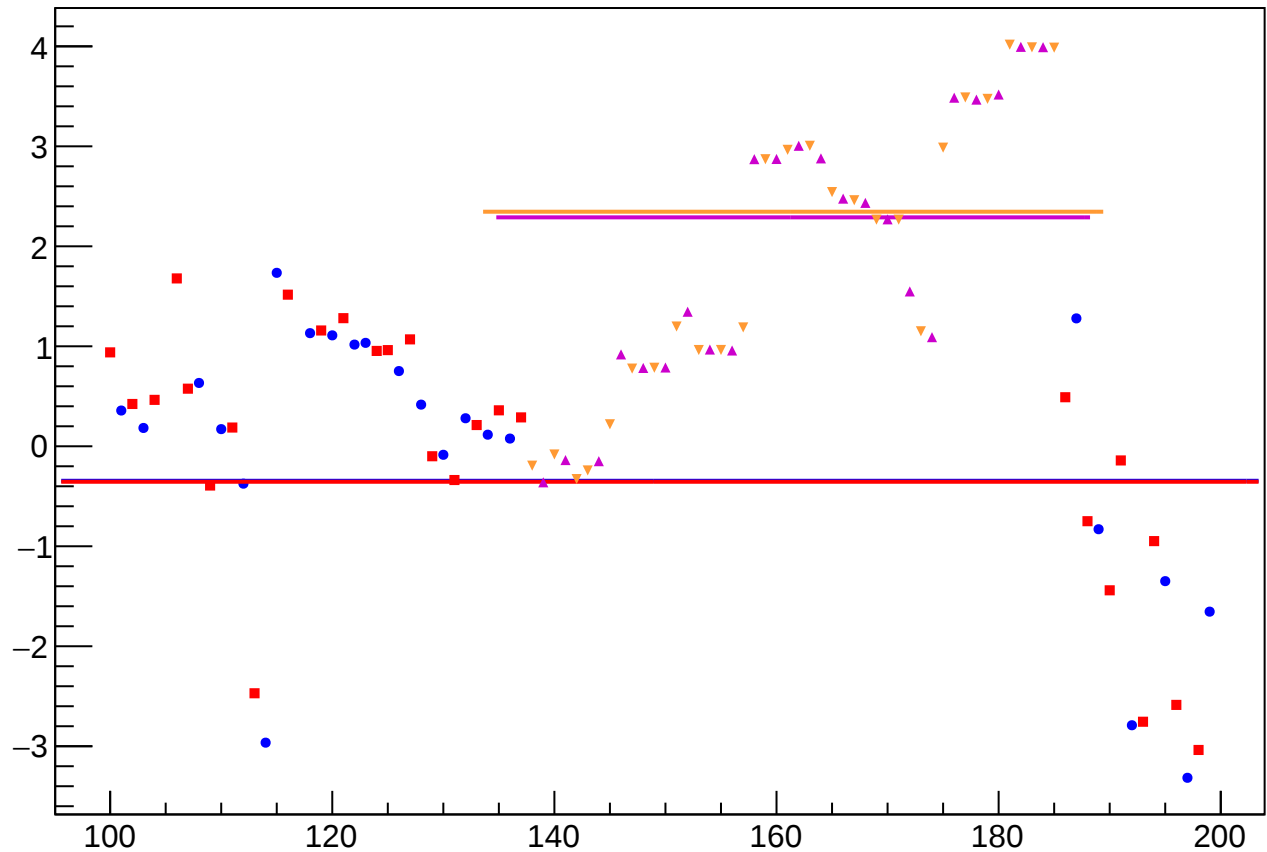
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:530077.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2303013.3/47

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5051128.6/97

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2742574.4/49

yield_bpm1X_mean vs Slug



Right In: -0.345 ± 0.000 χ^2/NDF : 4298597825.4/22

Left Out: 2.346 ± 0.000 χ^2/NDF : 63481331015.4/24

Right Out: -0.355 ± 0.000 χ^2/NDF : 5337465479.1/26

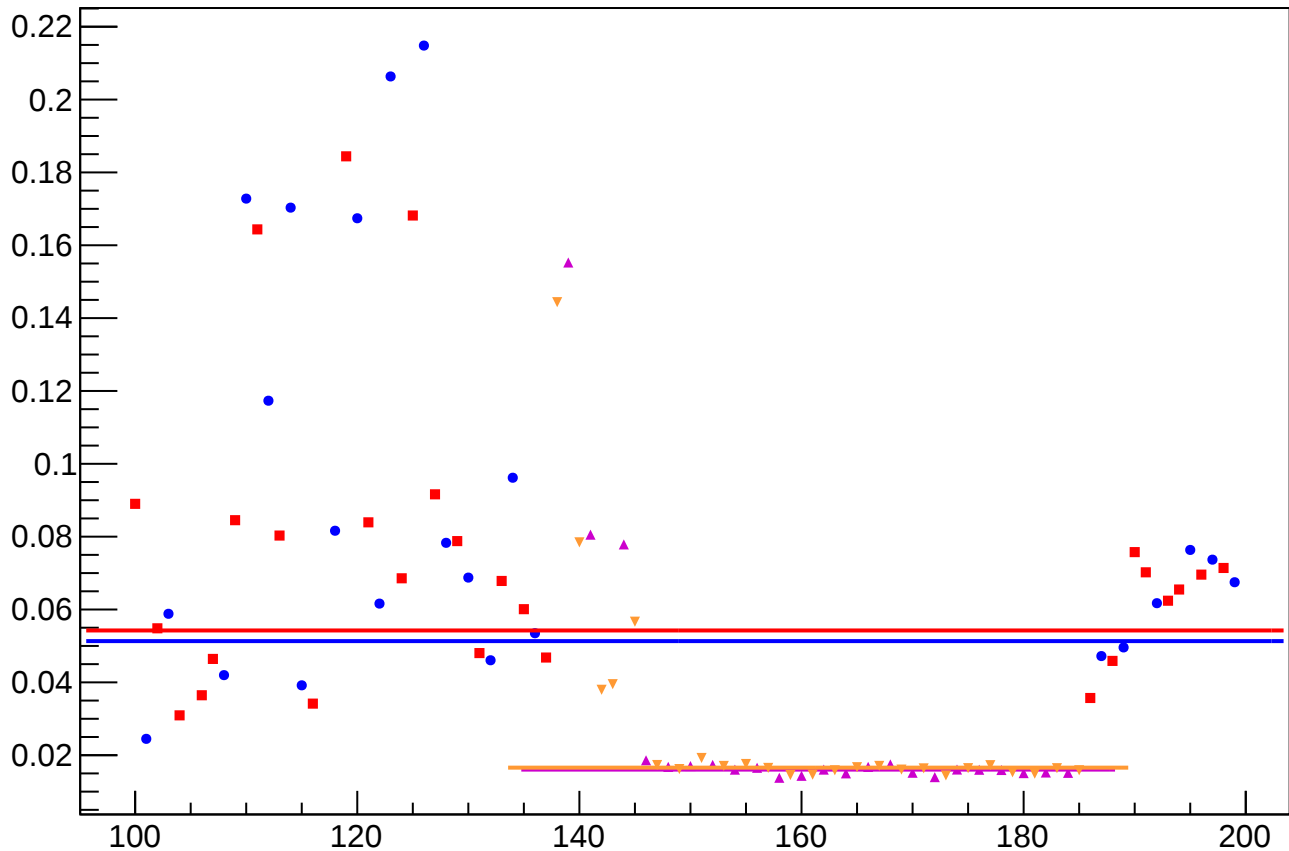
Left In: 2.290 ± 0.000 χ^2/NDF : 60875537647.3/22

+ sign 2.213 ± 0.000 χ^2/NDF : 86046446387.7/47

All: 2.180 ± 0.000 χ^2/NDF : 171690928532.5

- sign 2.149 ± 0.000 χ^2/NDF : 85533084013.8/49

yield_bpm1X_rms vs Slug



Right In: 0.051+/-0.000 χ^2/NDF : 3411789.4/22

Left Out: 0.017+/-0.000 χ^2/NDF : 2621162.1/24

Right Out: 0.054+/-0.000 χ^2/NDF : 2729846.9/26

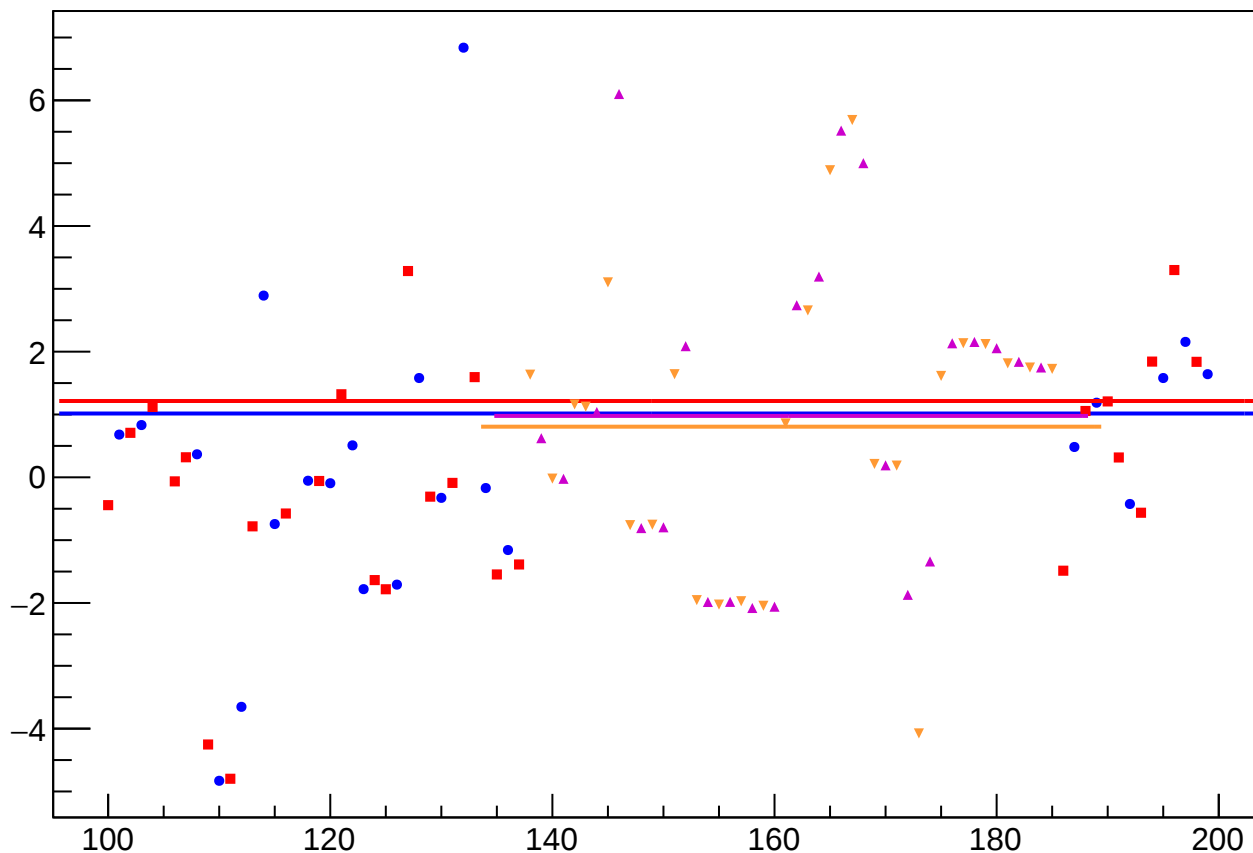
Left In: 0.016+/-0.000 χ^2/NDF : 2394376.5/22

+ sign 0.018+/-0.000 χ^2/NDF : 12120822.5/47

All: 0.018+/-0.000 χ^2/NDF : 25311509.6/97

- sign 0.018+/-0.000 χ^2/NDF : 13188013.6/49

yield_bpm1Y_mean vs Slug



Right In: 1.016+/-0.000 χ^2/NDF : 19343592458.6/22

Left Out: 0.806+/-0.000 χ^2/NDF : 507578952196.2/24

Right Out: 1.215+/-0.000 χ^2/NDF : 23557664616.0/26

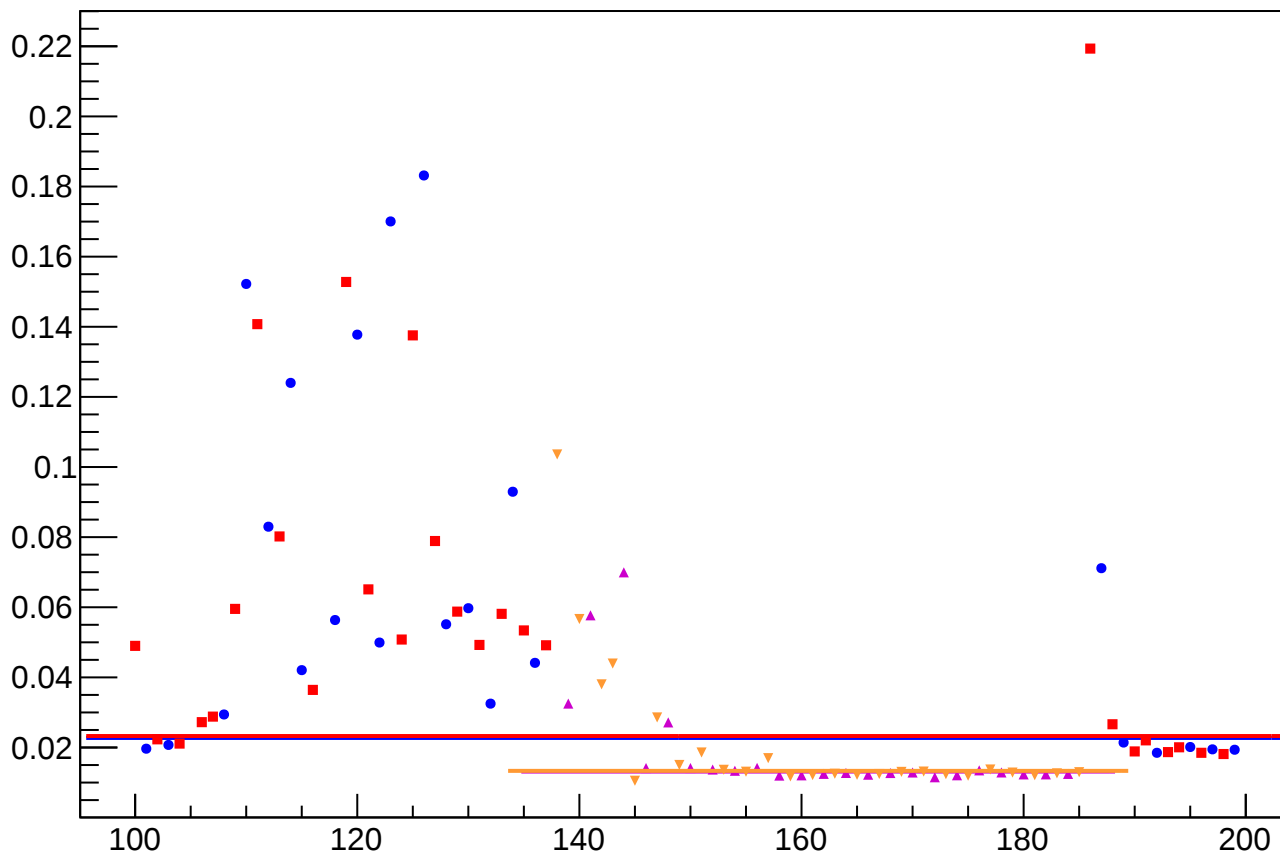
Left In: 0.977+/-0.000 χ^2/NDF : 568209676597.4/22

+ sign 0.833+/-0.000 χ^2/NDF : 527402243967.4/47

All: 0.922+/-0.000 χ^2/NDF : 1121371619823.

- sign 1.010+/-0.000 χ^2/NDF : 592429715401.2/49

yield_bpm1Y_rms vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 3704676.3/22

Left Out: 0.013+/-0.000 χ^2/NDF :2829753.9/24

Right Out: 0.023+/-0.000 χ^2/NDF : 4693077.4/26

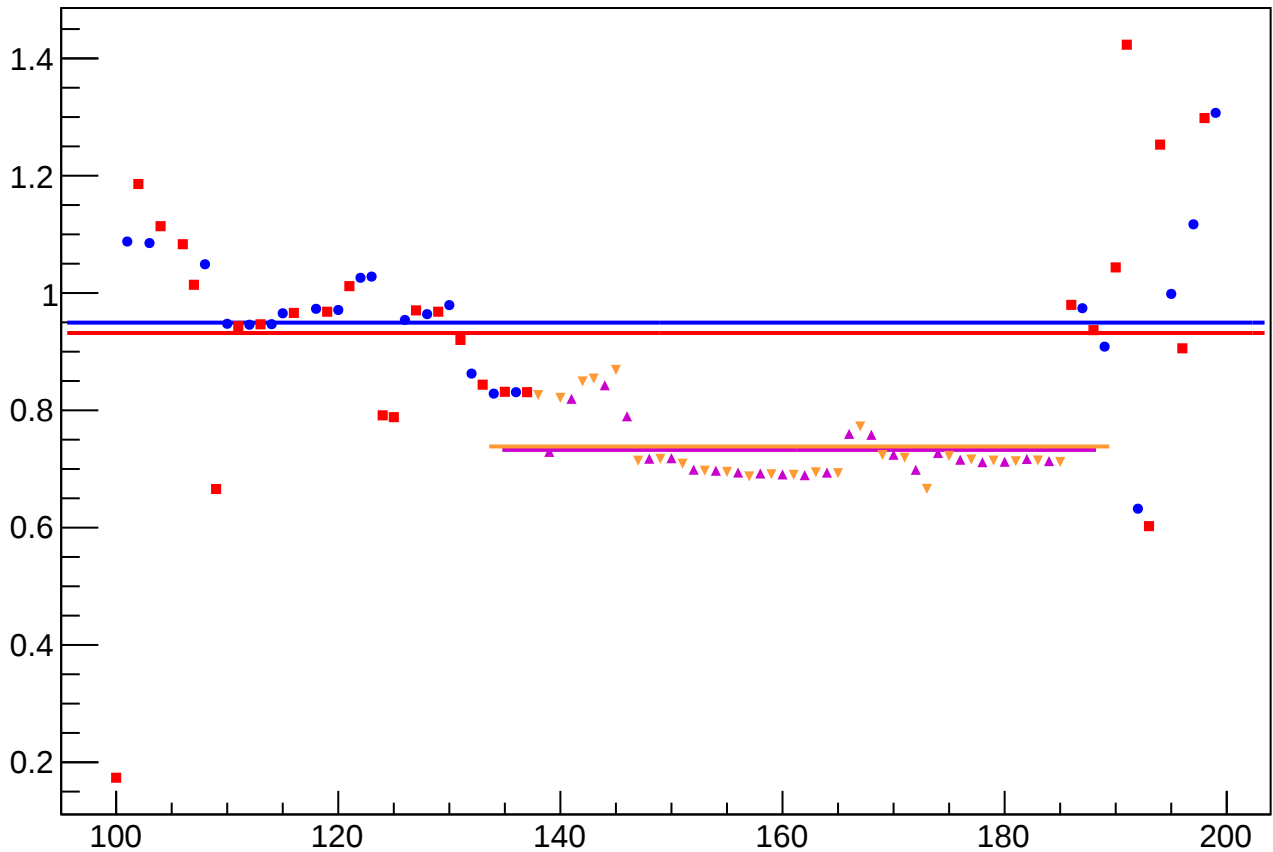
Left In: 0.013+/-0.000 χ^2/NDF :1946693.6/22

+ sign 0.015+/-0.000 χ^2/NDF : 8459224.9/47

All: 0.015+/-0.000 χ^2/NDF : 17513539.3/97

- sign 0.015+/-0.000 χ^2/NDF : 9054306.2/49

yield_bpm11X_mean vs Slug



Right In: 0.950 ± 0.000 χ^2/NDF : 413014012.7/22

Left Out: 0.738 ± 0.000 χ^2/NDF : 310195180.4/24

Right Out: 0.932 ± 0.000 χ^2/NDF : 729908355.0/26

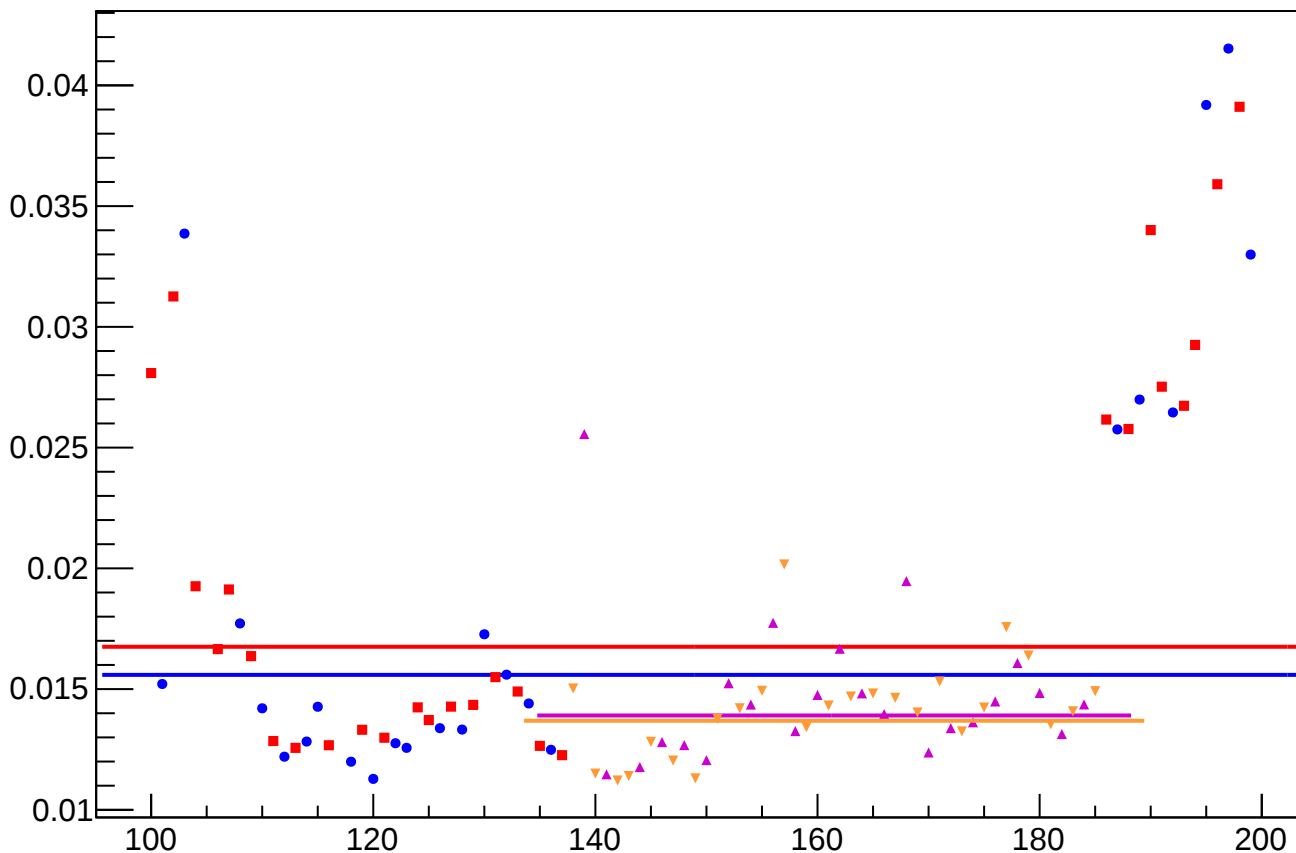
Left In: 0.733 ± 0.000 χ^2/NDF : 170102394.7/22

+ sign 0.799 ± 0.000 χ^2/NDF : 1823621464.1/47

All: 0.796 ± 0.000 χ^2/NDF : 3685542961.2/97

- sign 0.793 ± 0.000 χ^2/NDF : 1859883240.0/49

yield_bpm11X_rms vs Slug



Right In: 0.016 $\pm$ 0.000 χ^2 /NDF: 2787248.7/22

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF:528480.6/24

Right Out: 0.017 $\pm$ 0.000 χ^2 /NDF: 2774793.9/26

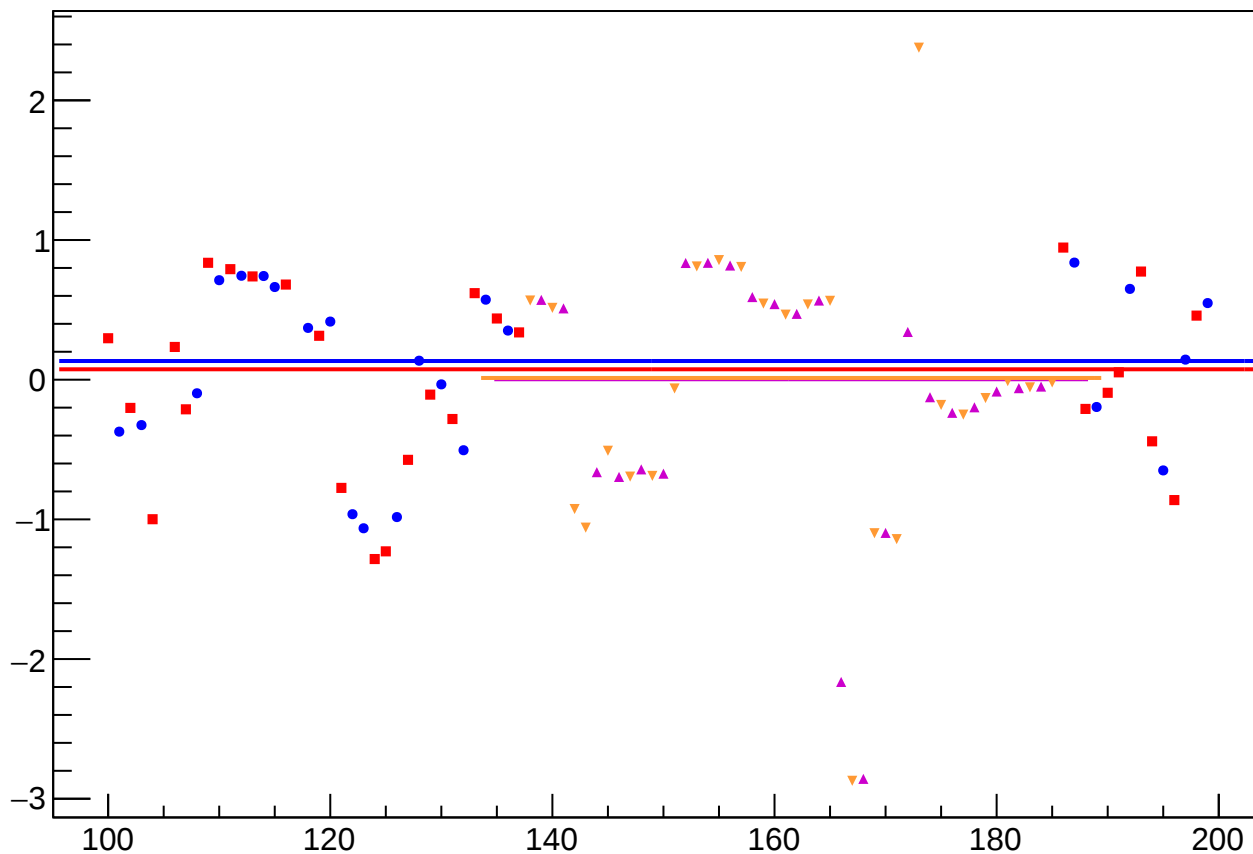
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:768161.9/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 3493741.3/47

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 7461824.3/97

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 3934364.6/49

yield_bpm11Y_mean vs Slug



Right In: 0.134 $\pm$ 0.000 χ^2 /NDF: 13504059248.1/22

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 96383858927.1/24

Right Out: 0.074 $\pm$ 0.000 χ^2 /NDF: 23603857719.3/26

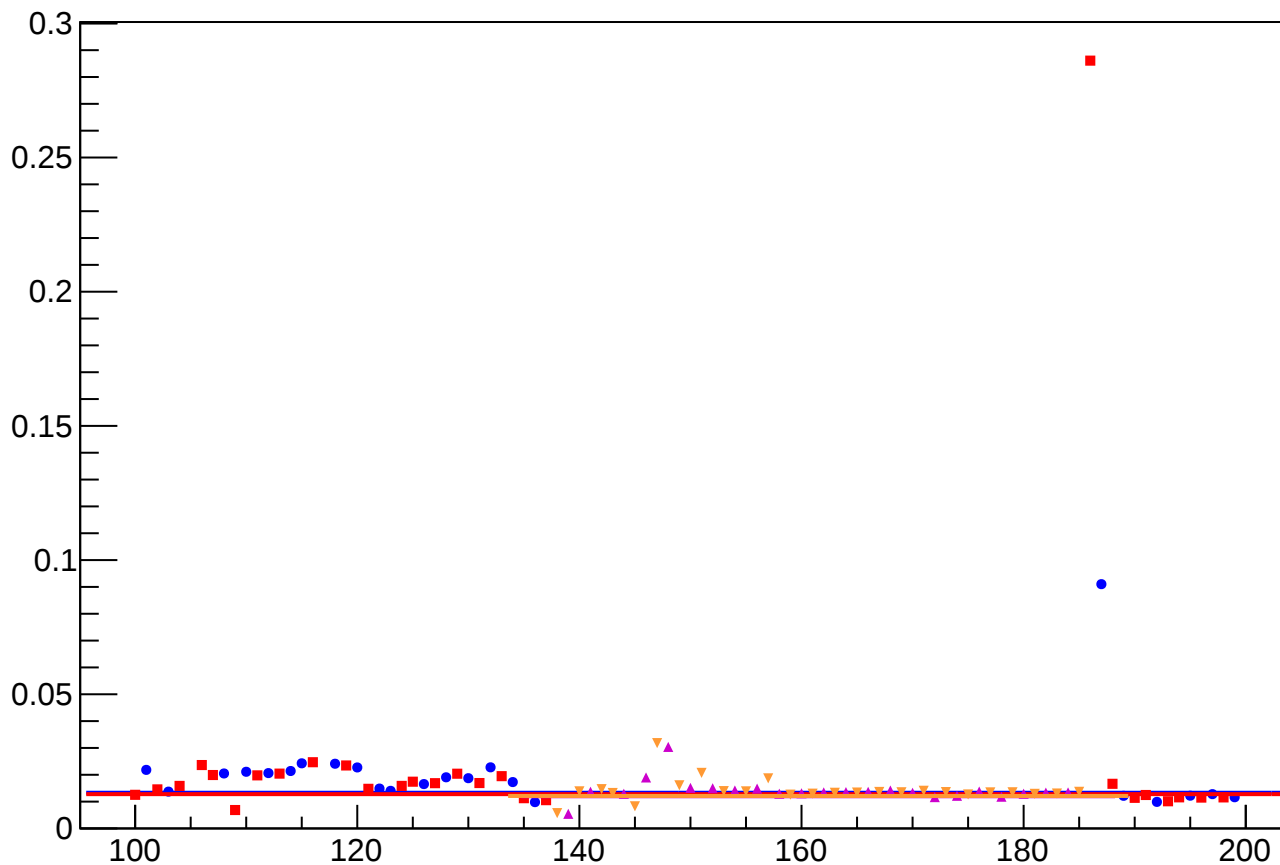
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 78826489573.0/22

+ sign 0.051 $\pm$ 0.000 χ^2 /NDF: 110393554811.5/47

All: 0.040 $\pm$ 0.000 χ^2 /NDF: 213053428249.2

- sign 0.029 $\pm$ 0.000 χ^2 /NDF: 102622039133.9/49

yield_bpm11Y_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1846142.0/22

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3105238.9/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2498865.8/26

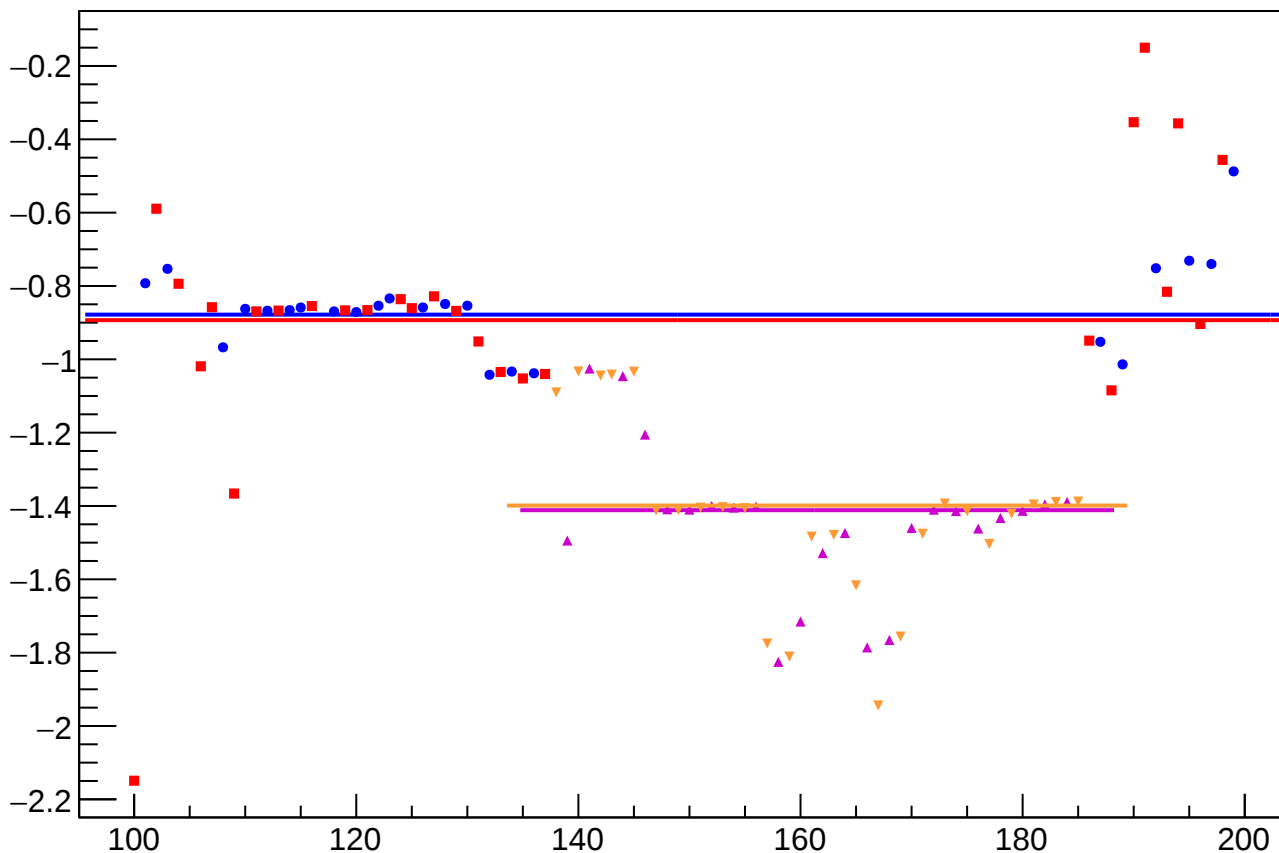
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3003502.9/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5050254.5/47

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 10605644.2/97

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5548705.4/49

yield_bpm12X_mean vs Slug



Right In: -0.878+/-0.000 χ^2/NDF : 69919821.6/22

Left Out: -1.399+/-0.000 χ^2/NDF : 738251911.1/24

Right Out: -0.893+/-0.000 χ^2/NDF : 258608949.9/26

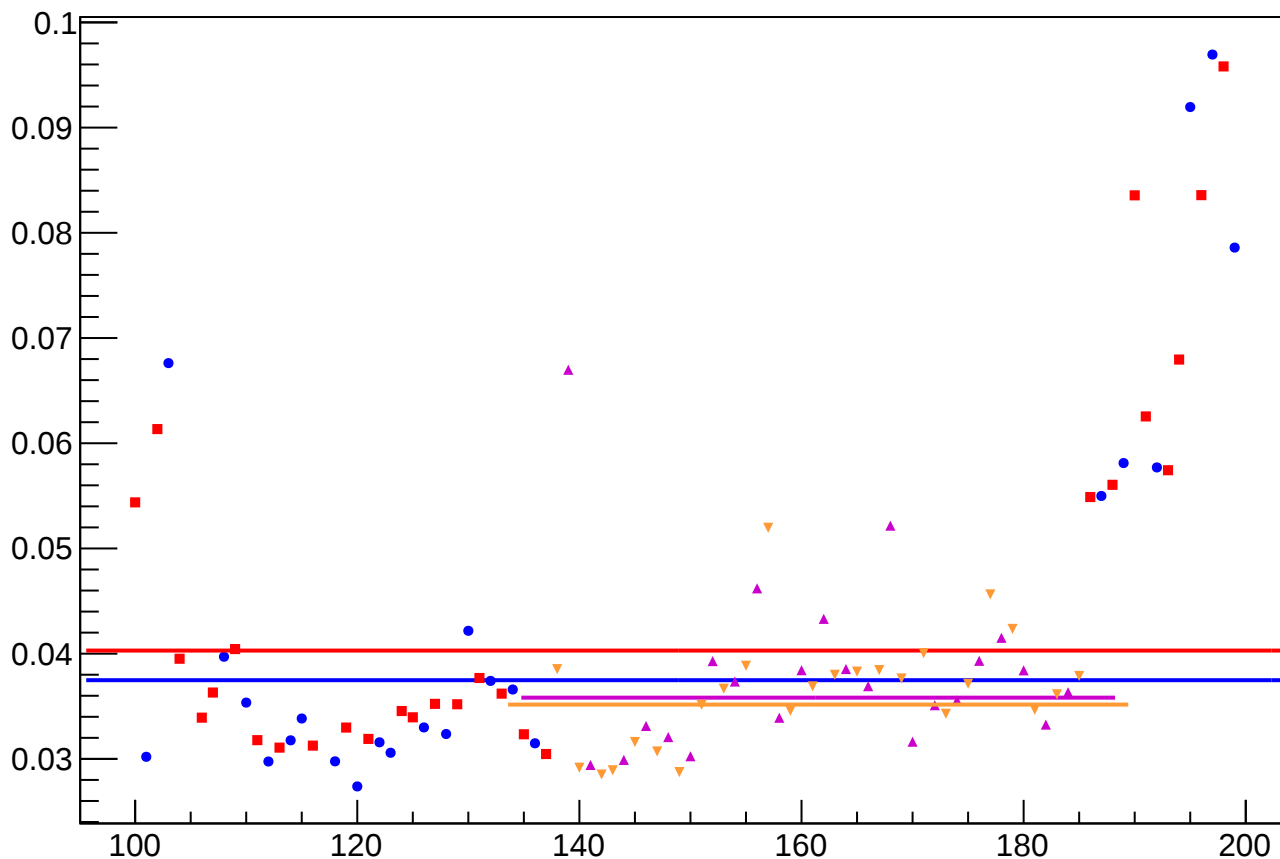
Left In: -1.411+/-0.000 χ^2/NDF : 512547995.0/22

+ sign -1.232+/-0.000 χ^2/NDF : 1931068746.9/47

All: -1.234+/-0.000 χ^2/NDF : 3786640317.6/9

- sign -1.236+/-0.000 χ^2/NDF : 1855476534.2/49

yield_bpm12X_rms vs Slug



Right In: 0.037 ± 0.000 $\chi^2/\text{NDF}: 2449648.2/22$

Left Out: 0.035 ± 0.000 $\chi^2/\text{NDF}: 595219.5/24$

Right Out: 0.040 ± 0.000 $\chi^2/\text{NDF}: 2286732.5/26$

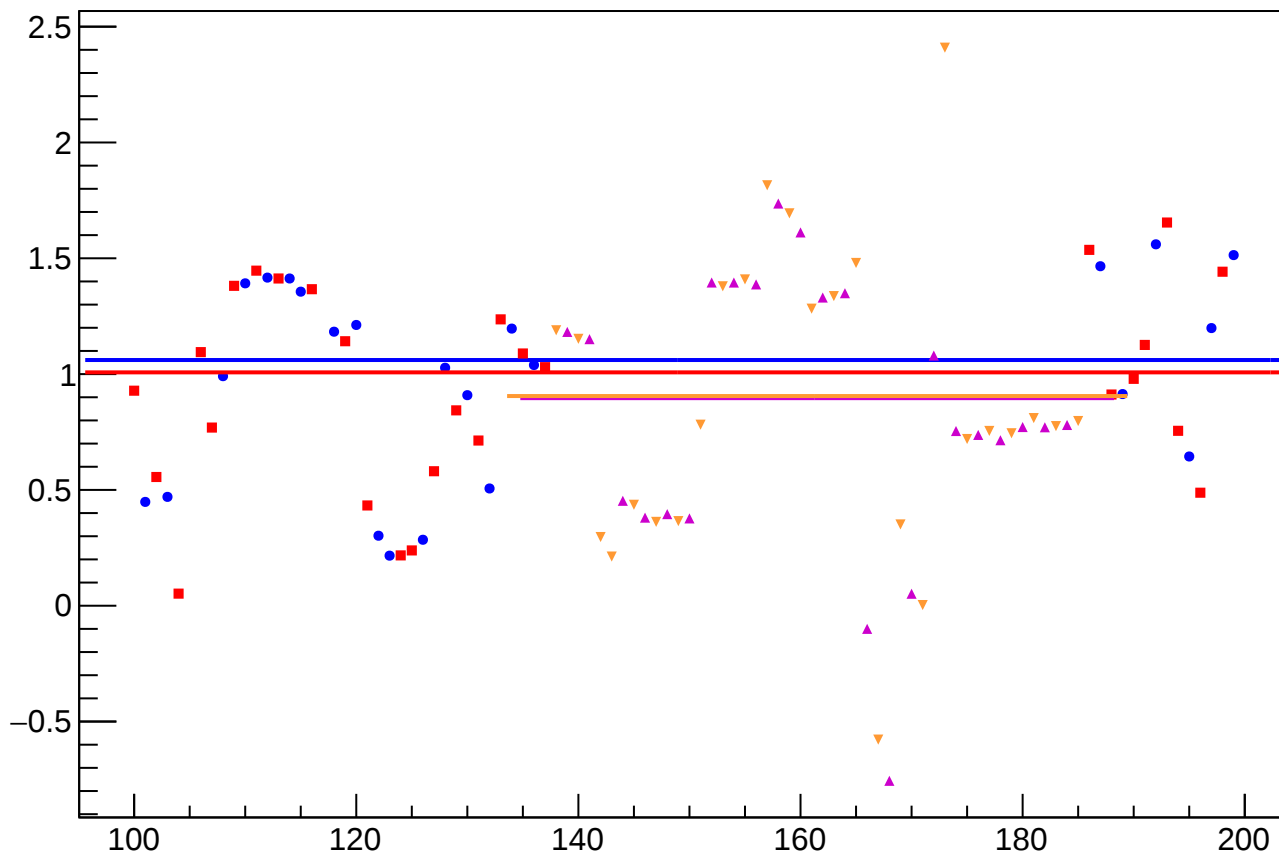
Left In: 0.036 ± 0.000 $\chi^2/\text{NDF}: 864147.6/22$

+ sign 0.036 ± 0.000 $\chi^2/\text{NDF}: 3089400.6/47$

All: 0.037 ± 0.000 $\chi^2/\text{NDF}: 6440221.6/97$

- sign 0.037 ± 0.000 $\chi^2/\text{NDF}: 3312630.7/49$

yield_bpm12Y_mean vs Slug



Right In: 1.061 $\pm$ 0.000 χ^2 /NDF: 17231254344.5/22

Left Out: 0.905 $\pm$ 0.000 χ^2 /NDF: 84265726513.8/24

Right Out: 1.007 $\pm$ 0.000 χ^2 /NDF: 21542165889.0/26

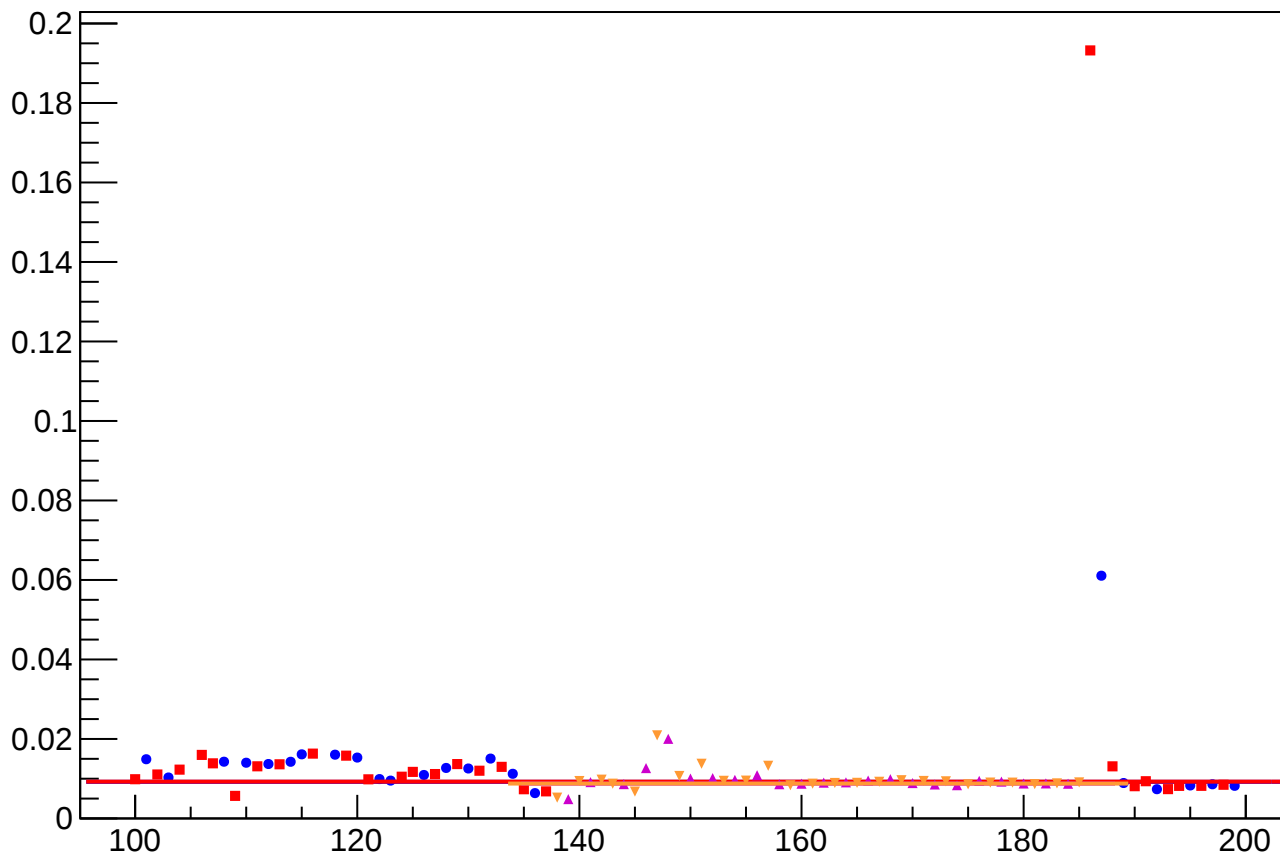
Left In: 0.896 $\pm$ 0.000 χ^2 /NDF: 66594200889.6/22

+ sign 0.956 $\pm$ 0.000 χ^2 /NDF: 103227191895.8/47

All: 0.946 $\pm$ 0.000 χ^2 /NDF: 192342381607.1

- sign 0.936 $\pm$ 0.000 χ^2 /NDF: 89052477712.0/49

yield_bpm12Y_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 1723033.1/22

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1697568.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 2169854.7/26

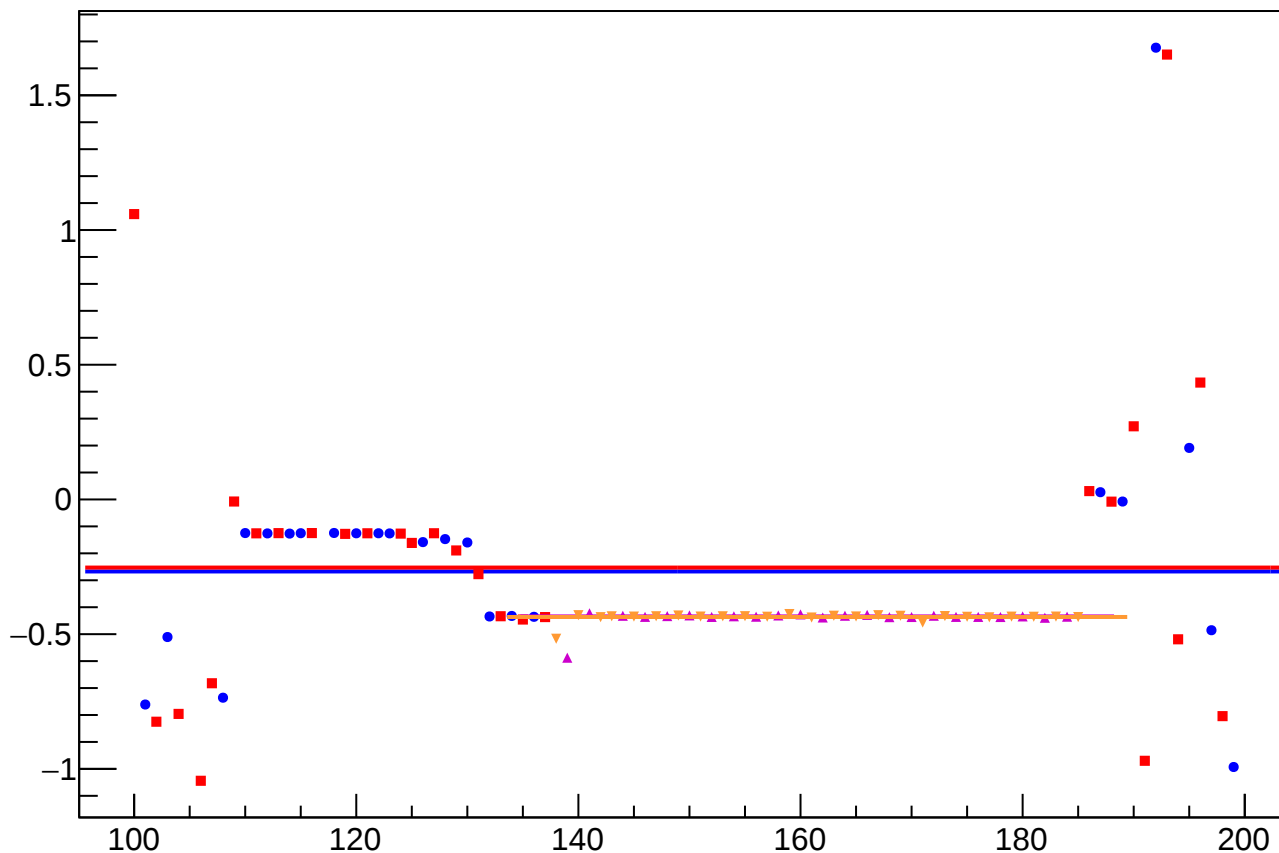
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1607939.0/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3446891.3/47

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 7260633.0/97

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3813425.3/49

yield_bpm16X_mean vs Slug



Right In: -0.267 ± 0.000 $\chi^2/\text{NDF}: 2006083257.7/22$

Left Out: -0.436 ± 0.000 $\chi^2/\text{NDF}: 28774660.0/24$

Right Out: -0.253 ± 0.000 $\chi^2/\text{NDF}: 1883117475.8/26$

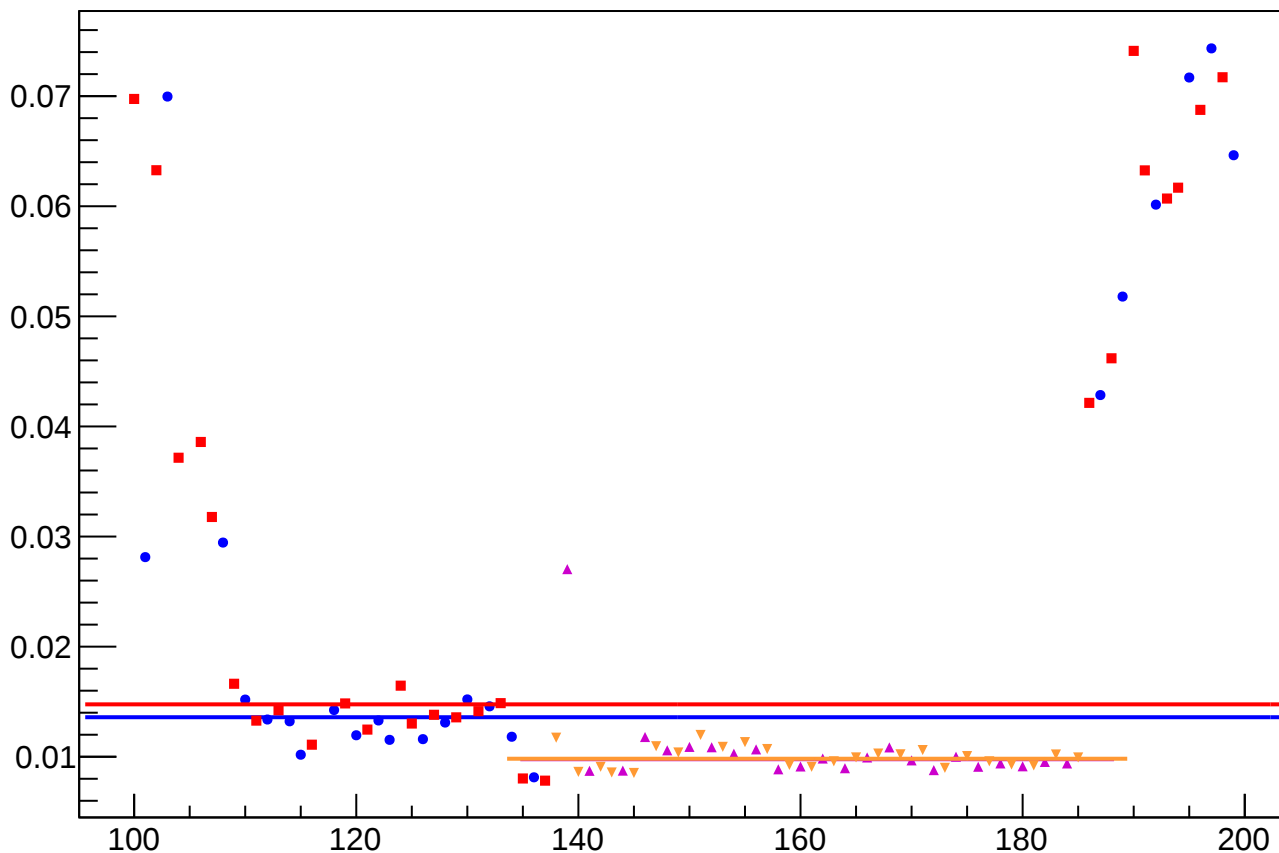
Left In: -0.434 ± 0.000 $\chi^2/\text{NDF}: 23984173.0/22$

+ sign -0.408 ± 0.000 $\chi^2/\text{NDF}: 2816186333.6/47$

All: -0.405 ± 0.000 $\chi^2/\text{NDF}: 5576504387.7/9$

- sign -0.403 ± 0.000 $\chi^2/\text{NDF}: 2758444485.6/49$

yield_bpm16X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 6536318.5/22

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:269242.6/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 7670348.3/26

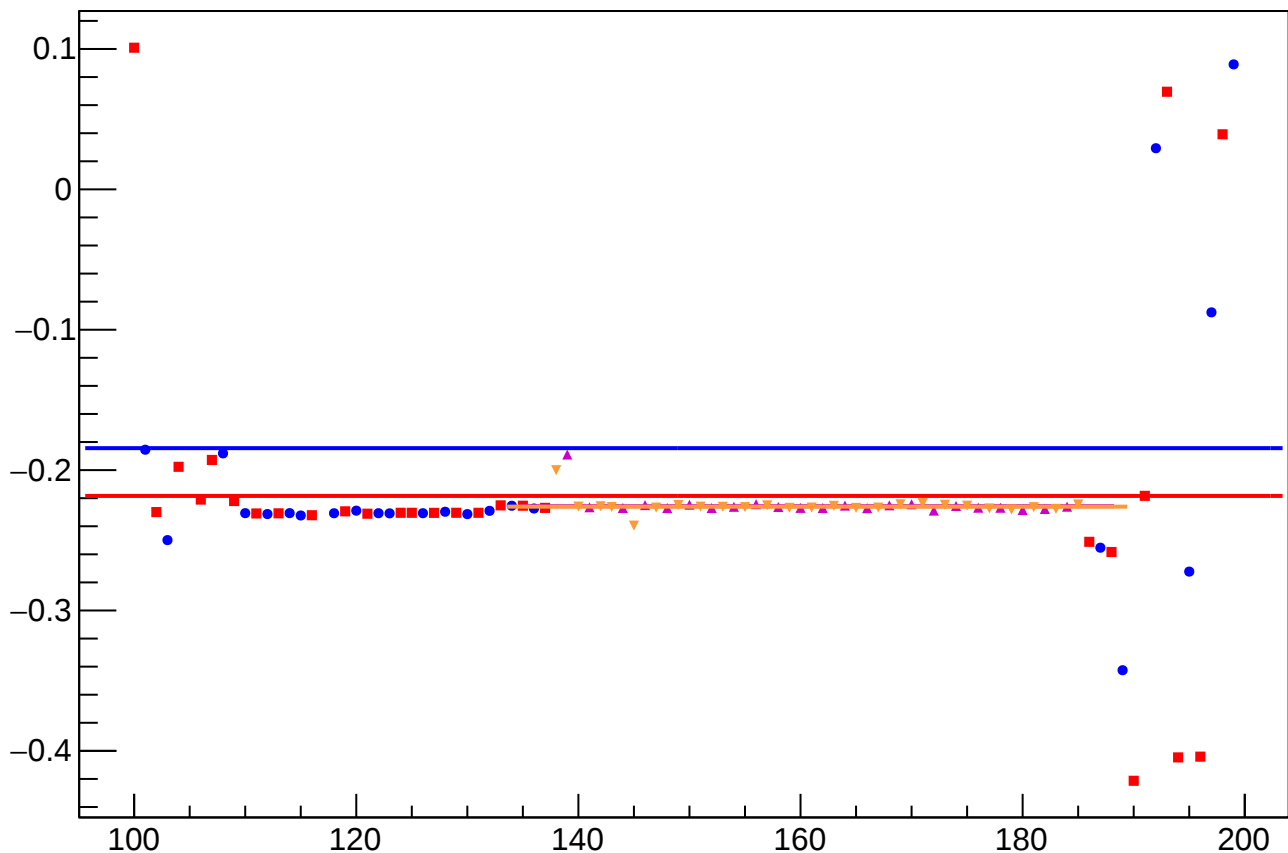
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:747550.0/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 7583841.5/47

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 17294883.3/97

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 9705829.8/49

yield_bpm16Y_mean vs Slug



Right In: -0.184 ± 0.000 χ^2/NDF : 4160429708.8/22

Left Out: -0.226 ± 0.000 χ^2/NDF : 21205667.4/24

Right Out: -0.218 ± 0.000 χ^2/NDF : 5464319689.5/26

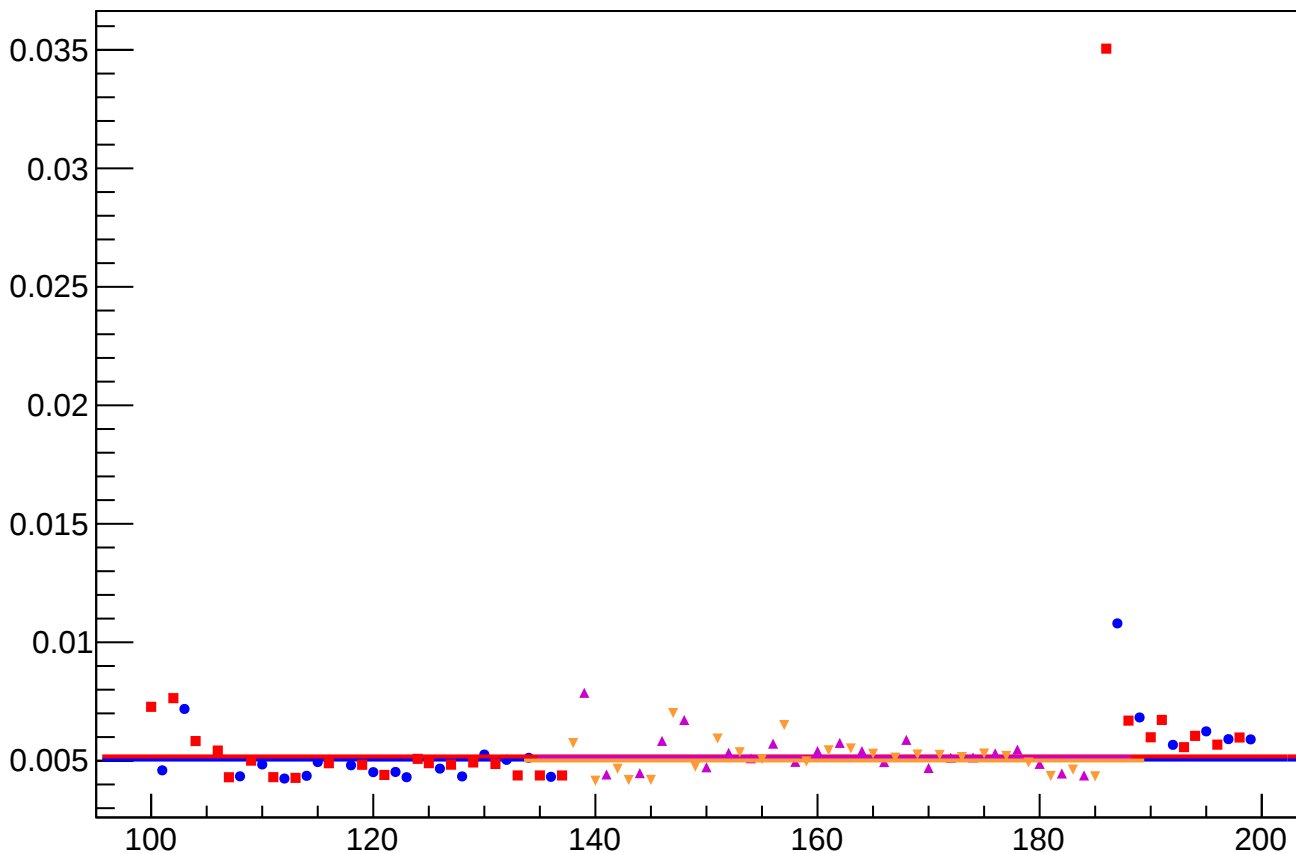
Left In: -0.226 ± 0.000 χ^2/NDF : 15245251.1/22

+ sign -0.211 ± 0.000 χ^2/NDF : 4603073532.8/47

All: -0.217 ± 0.000 χ^2/NDF : 10165197131.9/97

- sign -0.223 ± 0.000 χ^2/NDF : 5492613235.1/49

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 537624.5/22

Left Out: 0.005+/-0.000 χ^2/NDF : 530632.6/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1053289.9/26

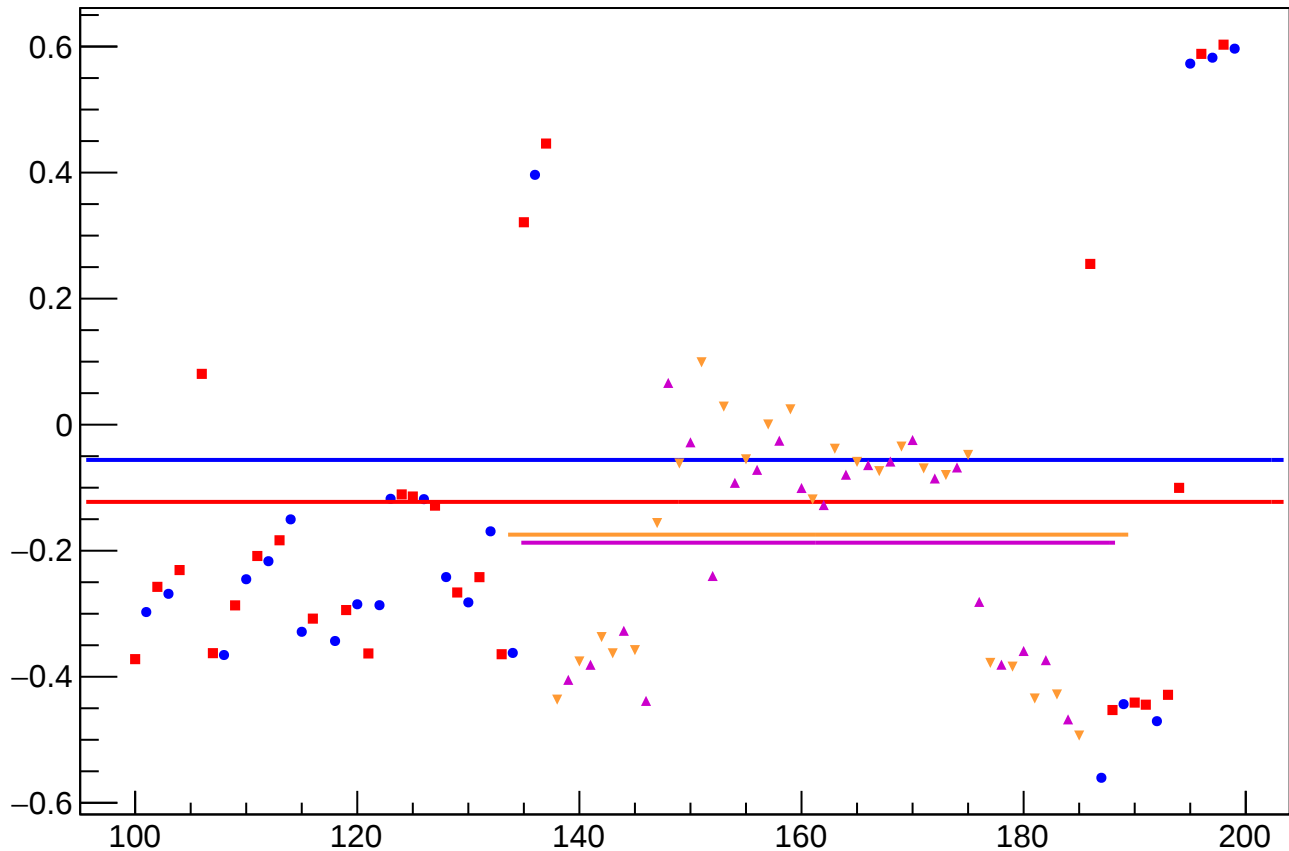
Left In: 0.005+/-0.000 χ^2/NDF : 493107.7/22

+ sign 0.005+/-0.000 χ^2/NDF : 1068944.6/47

All: 0.005+/-0.000 χ^2/NDF : 2634648.8/97

- sign 0.005+/-0.000 χ^2/NDF : 1547063.4/49

yield_bpm0i02X_mean vs Slug



Right In: -0.056+/-0.000 χ^2/NDF : 36201125794.8/22

Left Out: -0.174+/-0.000 χ^2/NDF : 18025533236.1/24

Right Out: -0.123+/-0.000 χ^2/NDF : 30123438349.4/26

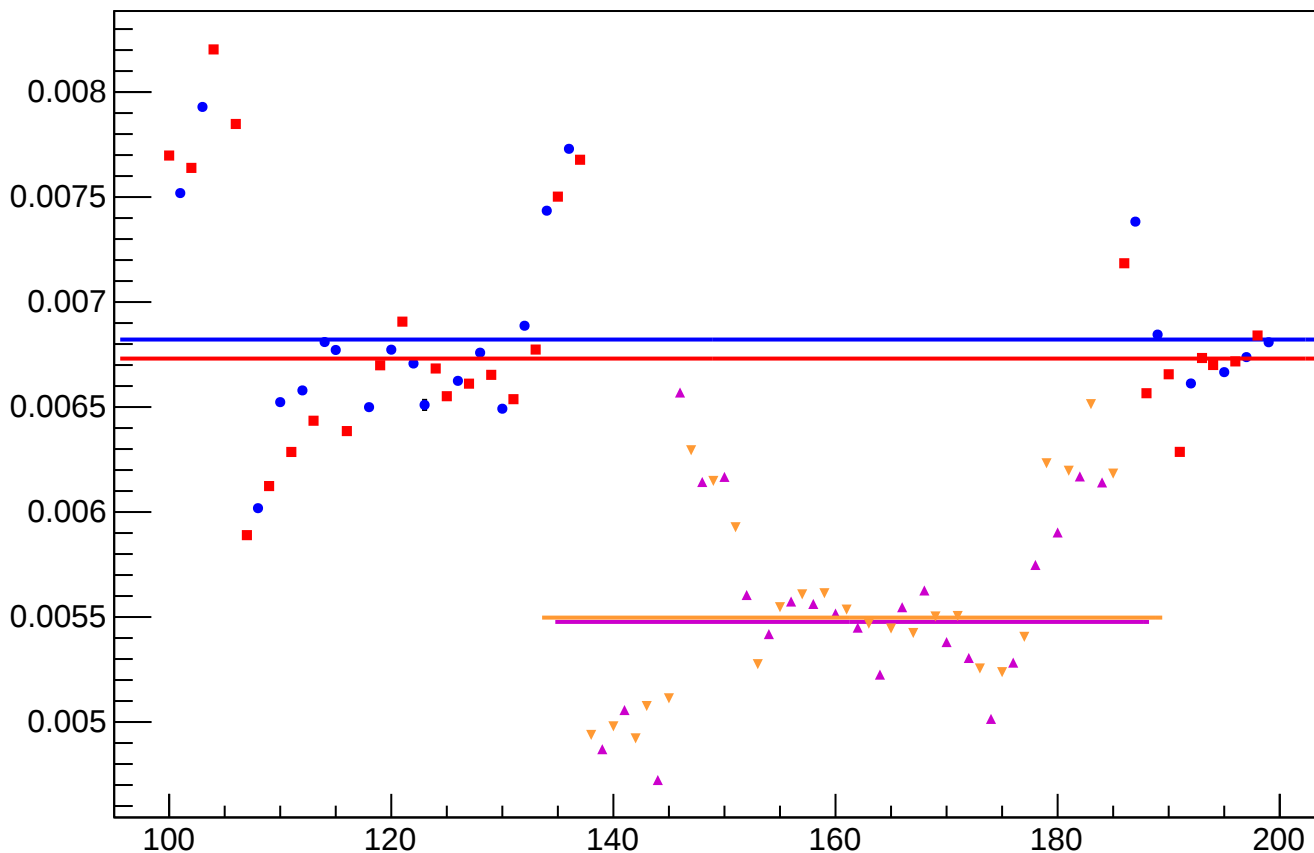
Left In: -0.187+/-0.000 χ^2/NDF : 12816646575.4/22

+ sign -0.141+/-0.000 χ^2/NDF : 56500054427.4/47

All: -0.154+/-0.000 χ^2/NDF : 100434905974.9

- sign -0.166+/-0.000 χ^2/NDF : 43682421555.2/49

yield_bpm0i02X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 84037.8/22

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:198746.4/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 112713.1/26

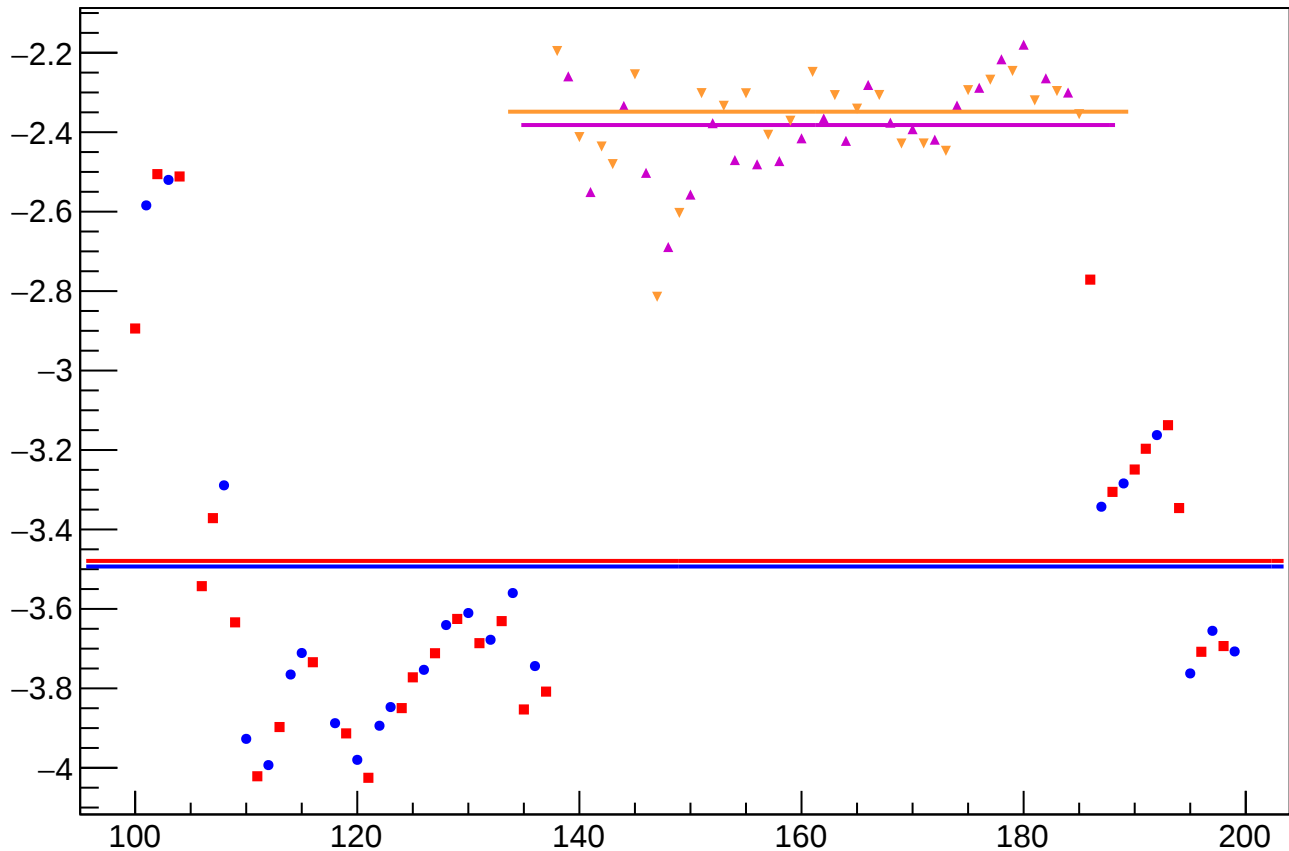
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:202181.4/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 850187.2/47

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 1722167.2/97

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 871811.4/49

yield_bpm0i02Y_mean vs Slug



Right In: -3.493+/-0.000 χ^2/NDF : 28911948914.5/22

Left Out: -2.348+/-0.000 χ^2/NDF : 2158686333.4/24

Right Out: -3.479+/-0.000 χ^2/NDF : 29776200579.9/26

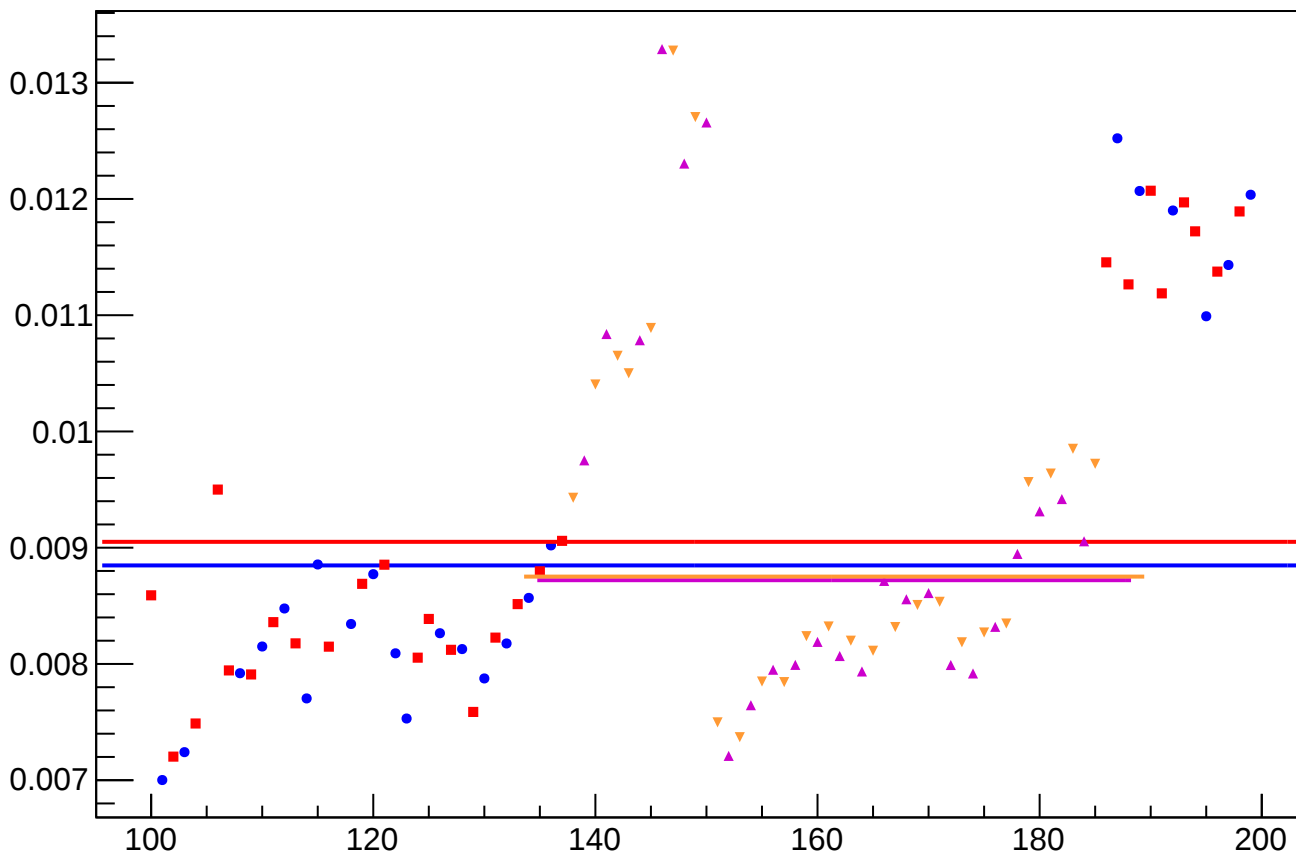
Left In: -2.382+/-0.000 χ^2/NDF : 2318395228.4/22

+ sign -2.765+/-0.000 χ^2/NDF : 138238182121.5/47

All: -2.790+/-0.000 χ^2/NDF : 272067316679.7

- sign -2.815+/-0.000 χ^2/NDF : 133385935660.9/49

yield_bpm0i02Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 661855.8/22

Left Out: 0.009+/-0.000 χ^2/NDF : 663672.8/24

Right Out: 0.009+/-0.000 χ^2/NDF : 719645.1/26

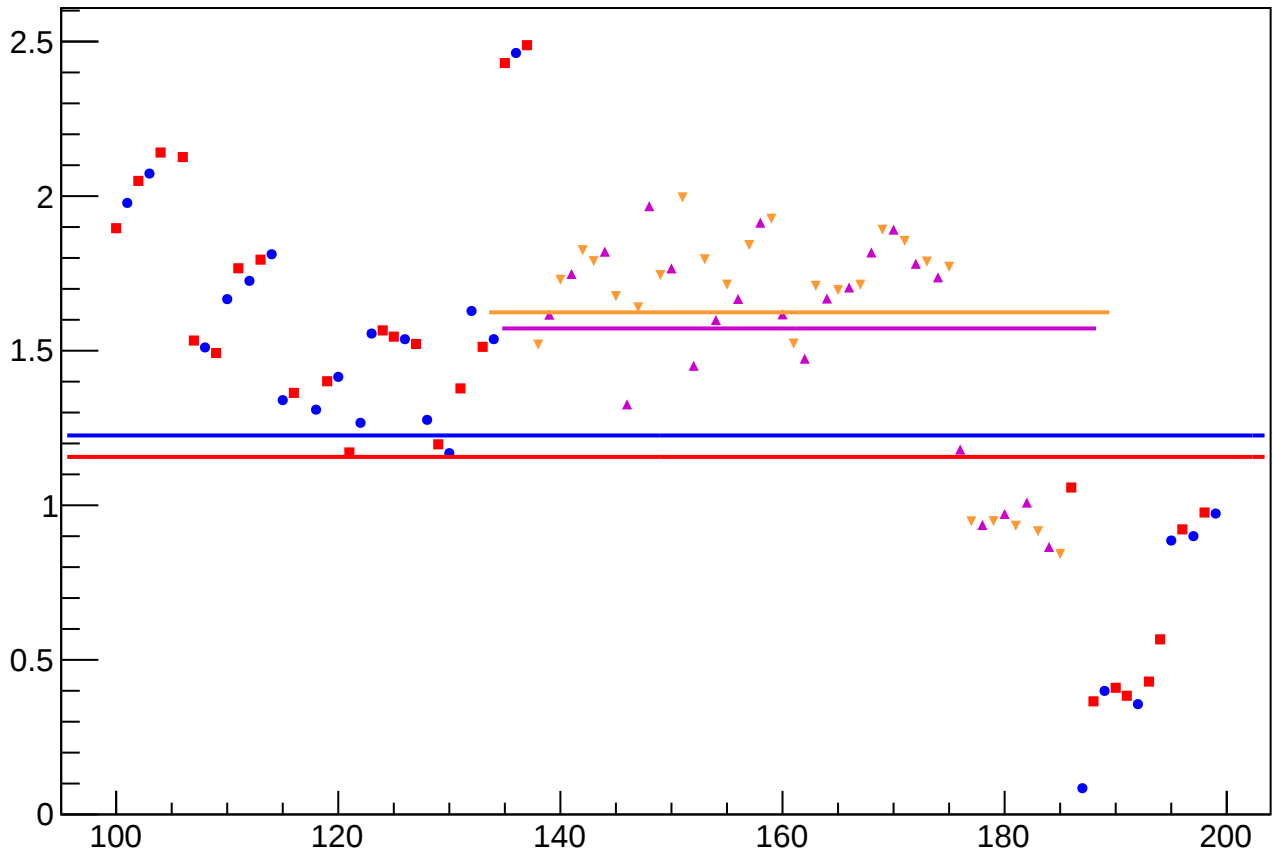
Left In: 0.009+/-0.000 χ^2/NDF : 747867.0/22

+ sign 0.009+/-0.000 χ^2/NDF : 1327038.1/47

All: 0.009+/-0.000 χ^2/NDF : 2814331.5/97

- sign 0.009+/-0.000 χ^2/NDF : 1485835.0/49

yield_bpm0i02aX_mean vs Slug



Right In: 1.226+/-0.000 χ^2/NDF : 26540018941.4/22

Left Out: 1.624+/-0.000 χ^2/NDF : 16631112386.4/24

Right Out: 1.157+/-0.000 χ^2/NDF : 32233576101.3/26

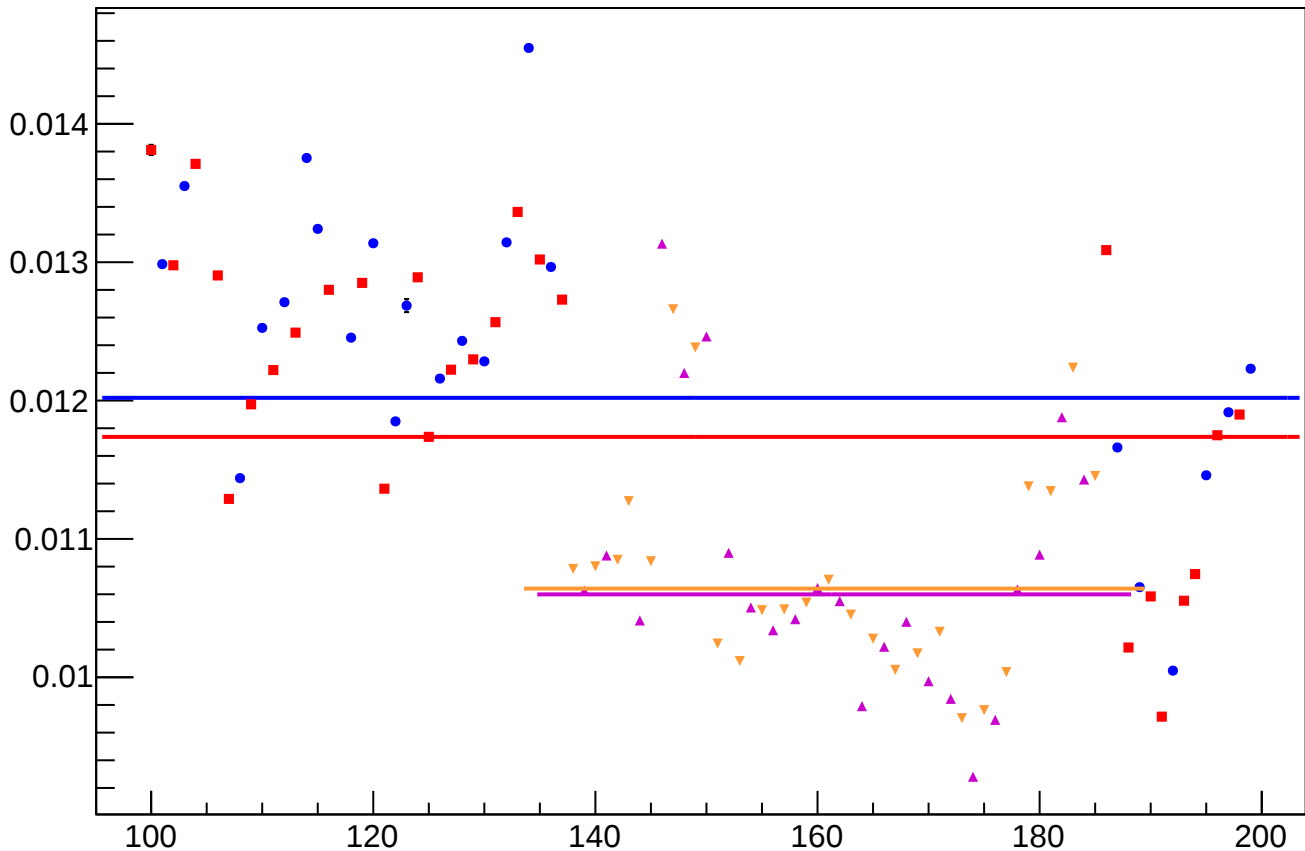
Left In: 1.572+/-0.000 χ^2/NDF : 14230484809.4/22

+ sign 1.499+/-0.000 χ^2/NDF : 50968506768.1/47

All: 1.459+/-0.000 χ^2/NDF : 107477003991.5

- sign 1.420+/-0.000 χ^2/NDF : 55795269331.8/49

yield_bpm0i02aX_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 155462.6/22

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:159760.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 195582.7/26

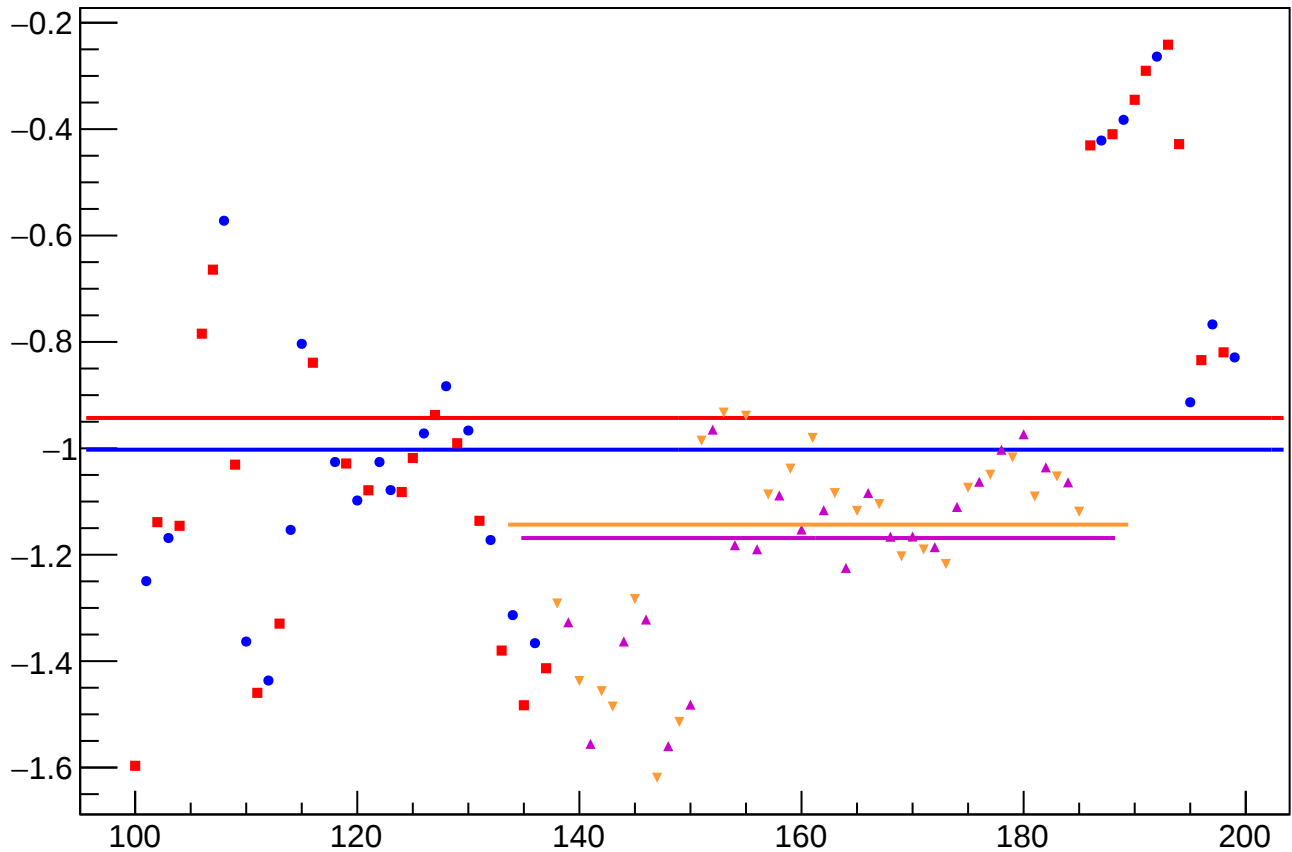
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:204531.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 502223.0/47

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 1043315.5/97

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 540274.0/49

yield_bpm0i02aY_mean vs Slug



Right In: -1.003 ± 0.000 $\chi^2/\text{NDF}: 10611312361.7/22$

Left Out: -1.143 ± 0.000 $\chi^2/\text{NDF}: 7976364534.0/24$

Right Out: -0.943 ± 0.000 $\chi^2/\text{NDF}: 15704390039.3/26$

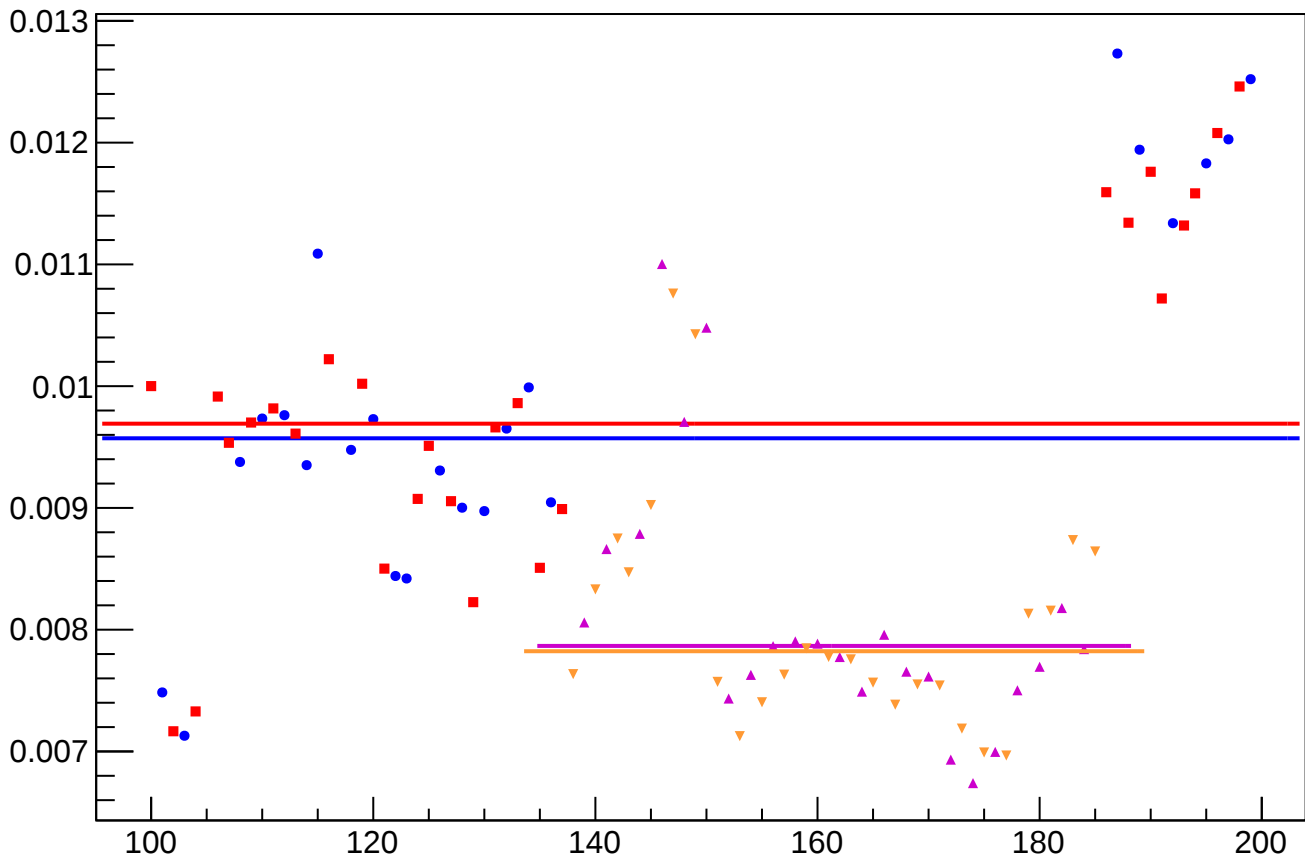
Left In: -1.169 ± 0.000 $\chi^2/\text{NDF}: 6362643368.6/22$

+ sign -1.104 ± 0.000 $\chi^2/\text{NDF}: 20144208019.9/47$

All: -1.101 ± 0.000 $\chi^2/\text{NDF}: 46421786823.1/100$

- sign -1.098 ± 0.000 $\chi^2/\text{NDF}: 26269715703.1/49$

yield_bpm0i02aY_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 557265.4/22

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:336387.6/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 587833.9/26

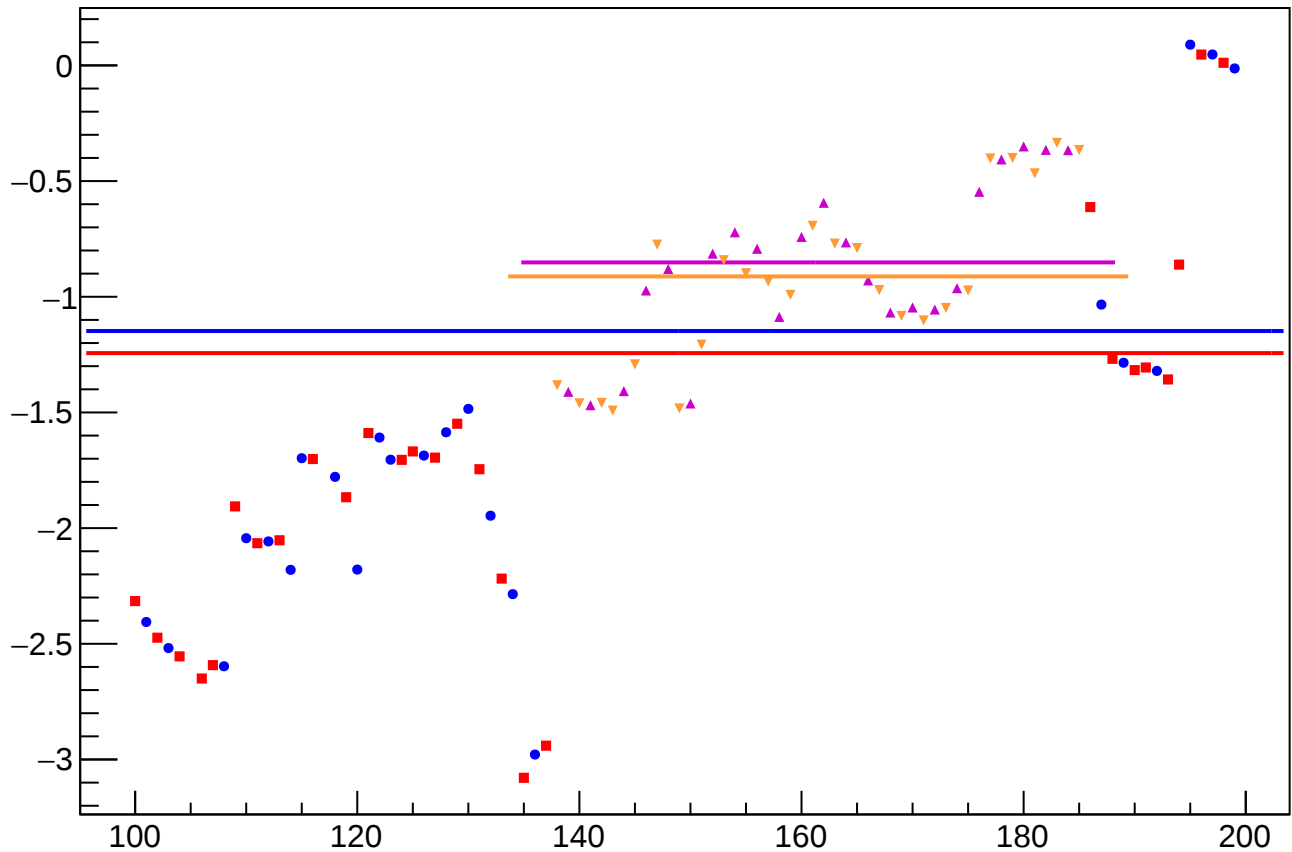
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:379901.3/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1373495.2/47

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2897266.6/97

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1517430.9/49

yield_bpm0i05X_mean vs Slug



Right In: -1.148 ± 0.000 $\chi^2/\text{NDF}: 256177123979.0/22$

Left Out: -0.912 ± 0.000 $\chi^2/\text{NDF}: 49039425818.1/24$

Right Out: -1.244 ± 0.000 $\chi^2/\text{NDF}: 244724246979.5/26$

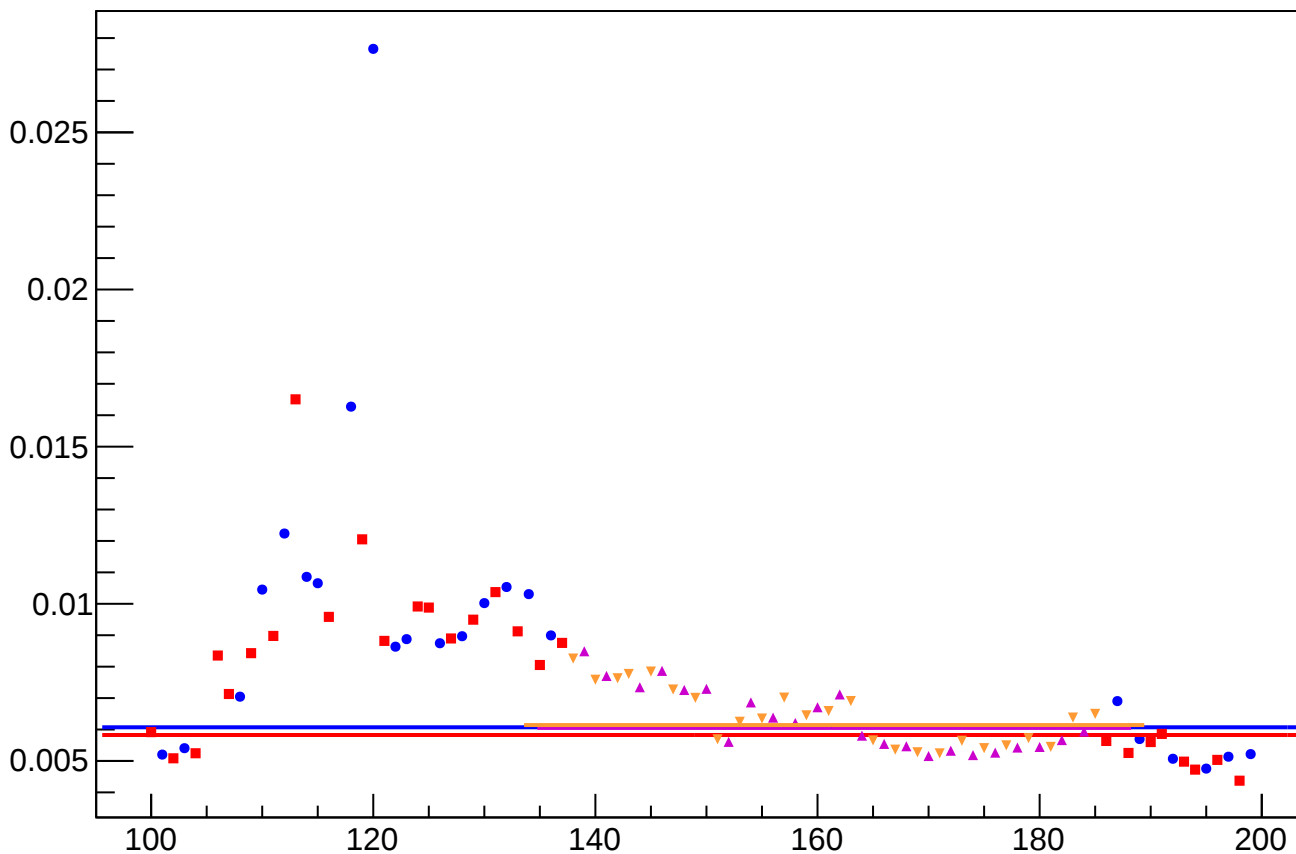
Left In: -0.851 ± 0.000 $\chi^2/\text{NDF}: 46438446008.2/22$

+ sign -0.992 ± 0.000 $\chi^2/\text{NDF}: 313586702569.0/47$

All: -1.000 ± 0.000 $\chi^2/\text{NDF}: 631639309634.0$

- sign -1.009 ± 0.000 $\chi^2/\text{NDF}: 317953887292.3/49$

yield_bpm0i05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1879488.9/22

Left Out: 0.006+/-0.000 χ^2/NDF : 637765.4/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1833068.5/26

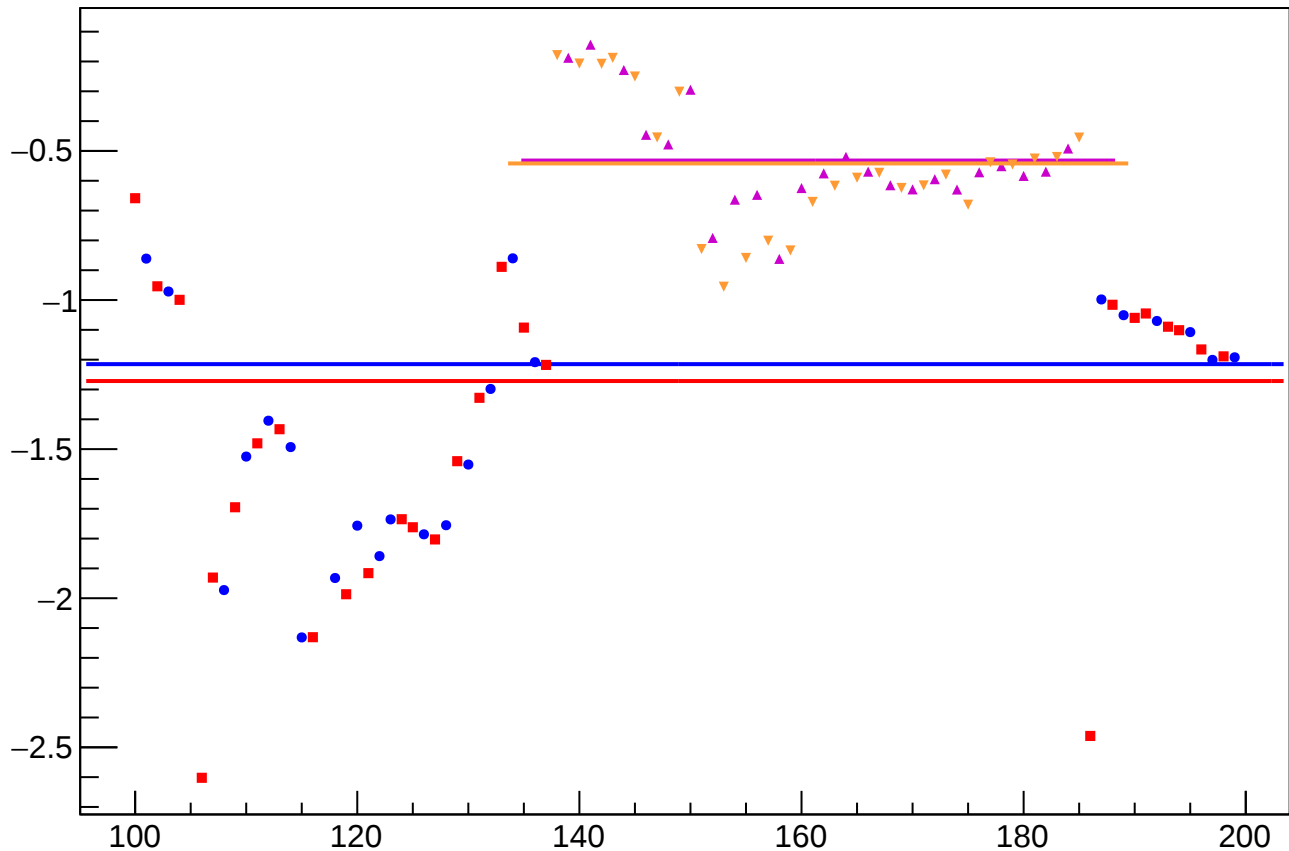
Left In: 0.006+/-0.000 χ^2/NDF : 697577.8/22

+ sign 0.006+/-0.000 χ^2/NDF : 2518769.6/47

All: 0.006+/-0.000 χ^2/NDF : 5084407.5/97

- sign 0.006+/-0.000 χ^2/NDF : 2548563.3/49

yield_bpm0i05Y_mean vs Slug



Right In: -1.215 $\pm$ 0.000 χ^2 /NDF: 26196837931.9/22

Left Out: -0.542 $\pm$ 0.000 χ^2 /NDF: 47268284910.3/24

Right Out: -1.272 $\pm$ 0.000 χ^2 /NDF: 77949403733.1/26

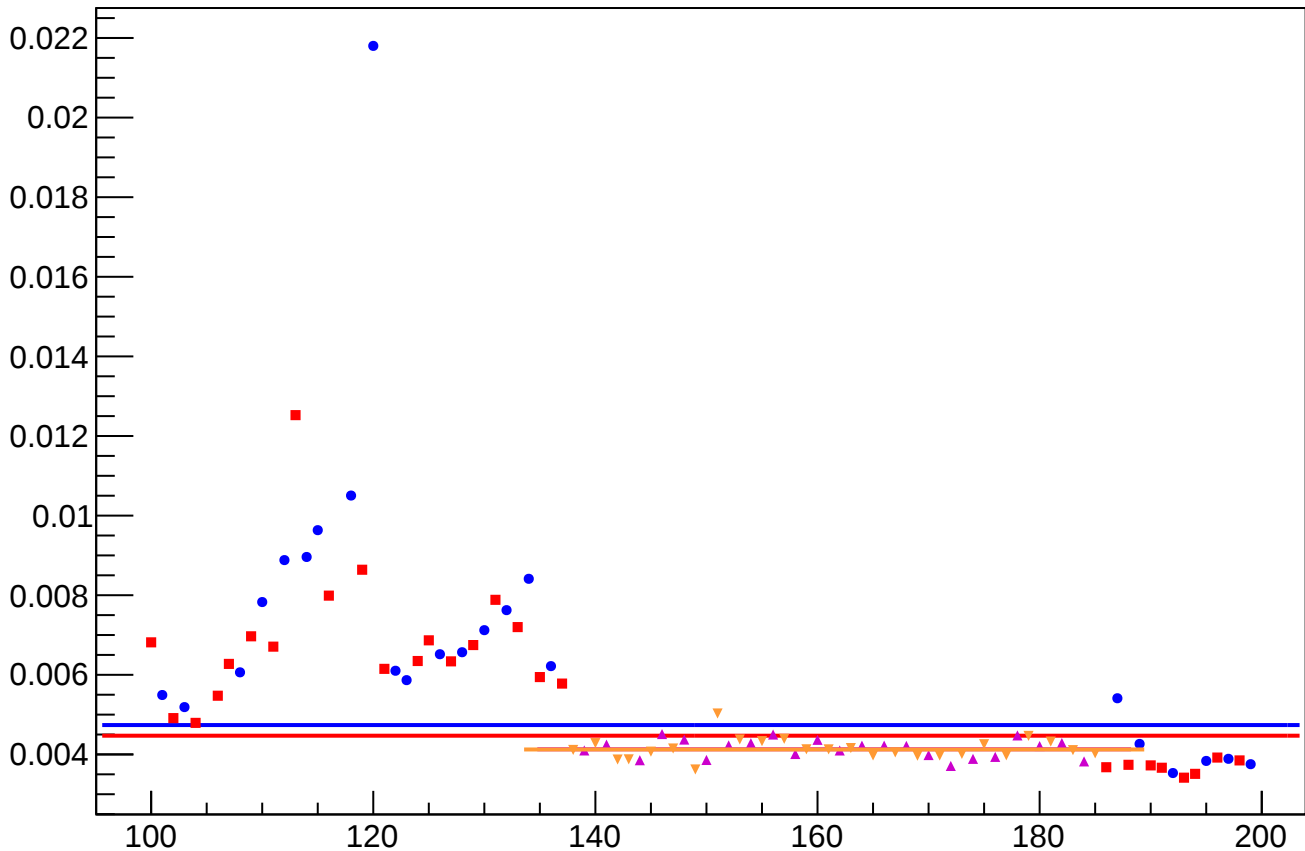
Left In: -0.532 $\pm$ 0.000 χ^2 /NDF: 30715235426.8/22

+ sign -0.726 $\pm$ 0.000 χ^2 /NDF: 196098711158.3/47

All: -0.756 $\pm$ 0.000 χ^2 /NDF: 482291850571.3

- sign -0.785 $\pm$ 0.000 χ^2 /NDF: 283733440350.8/49

yield_bpm0i05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1807857.5/22

Left Out: 0.004+/-0.000 χ^2/NDF : 113033.9/24

Right Out: 0.004+/-0.000 χ^2/NDF : 1781598.2/26

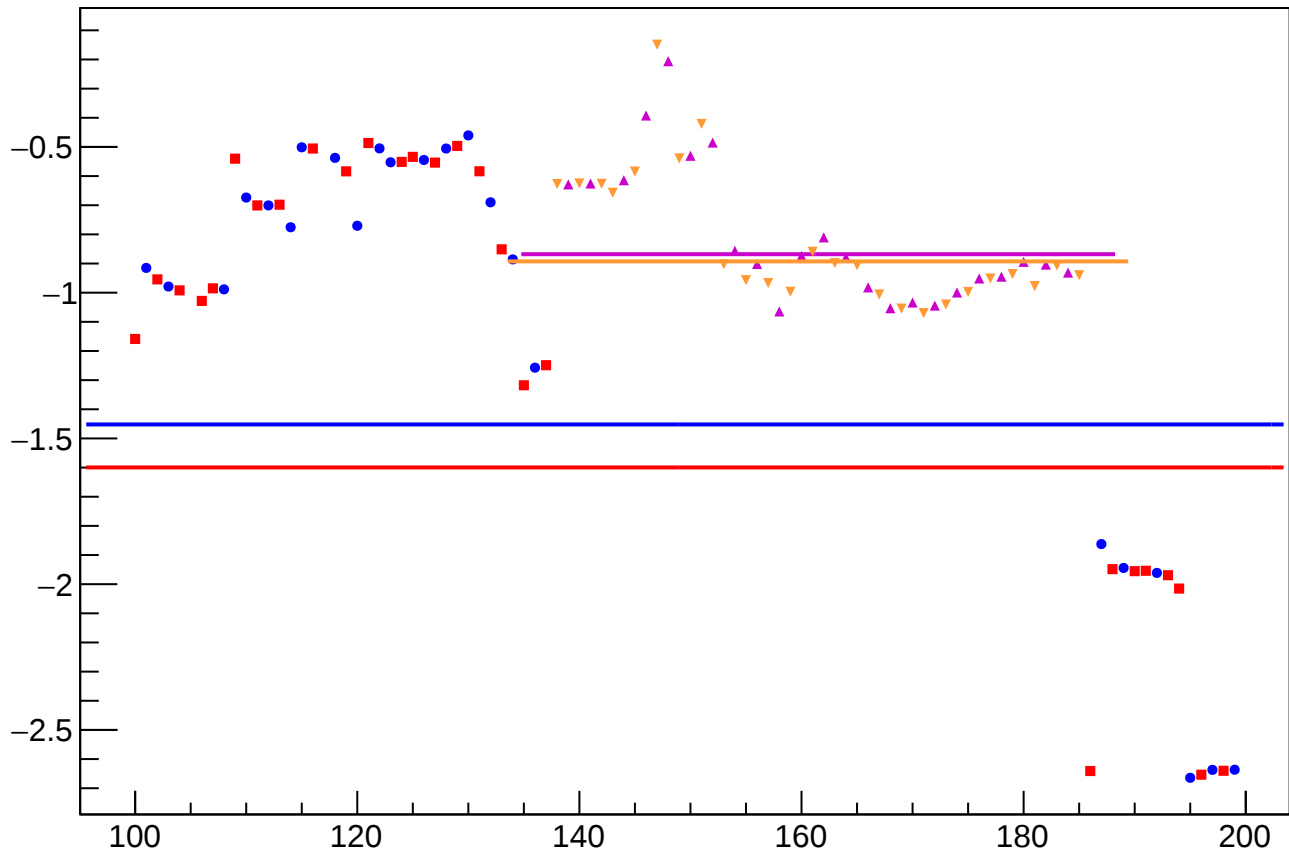
Left In: 0.004+/-0.000 χ^2/NDF : 93111.2/22

+ sign 0.004+/-0.000 χ^2/NDF : 2124670.1/47

All: 0.004+/-0.000 χ^2/NDF : 4076662.4/97

- sign 0.004+/-0.000 χ^2/NDF : 1949093.4/49

yield_bpm0i07X_mean vs Slug



Right In: -1.452+/-0.000 χ^2/NDF : 185812560186.0/22

Left Out: -0.893+/-0.000 χ^2/NDF : 40787012603.8/24

Right Out: -1.599+/-0.000 χ^2/NDF : 259729070064.1/26

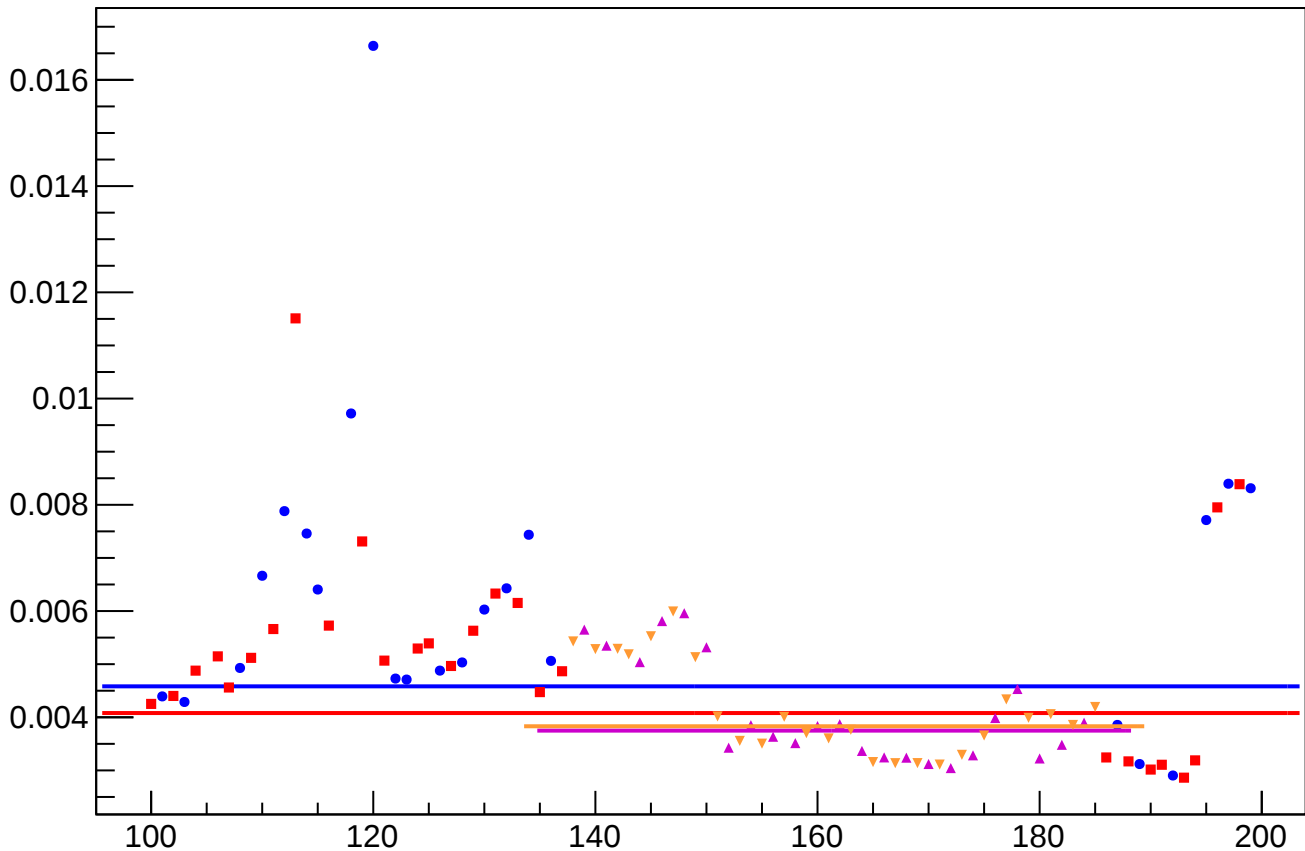
Left In: -0.868+/-0.000 χ^2/NDF : 43853190177.2/22

+ sign -1.038+/-0.000 χ^2/NDF : 317979113061.7/47

All: -1.081+/-0.000 χ^2/NDF : 832642458375.1

- sign -1.120+/-0.000 χ^2/NDF : 509248507002.2/49

yield_bpm0i07X_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 2538332.8/22

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1179801.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 2379448.8/26

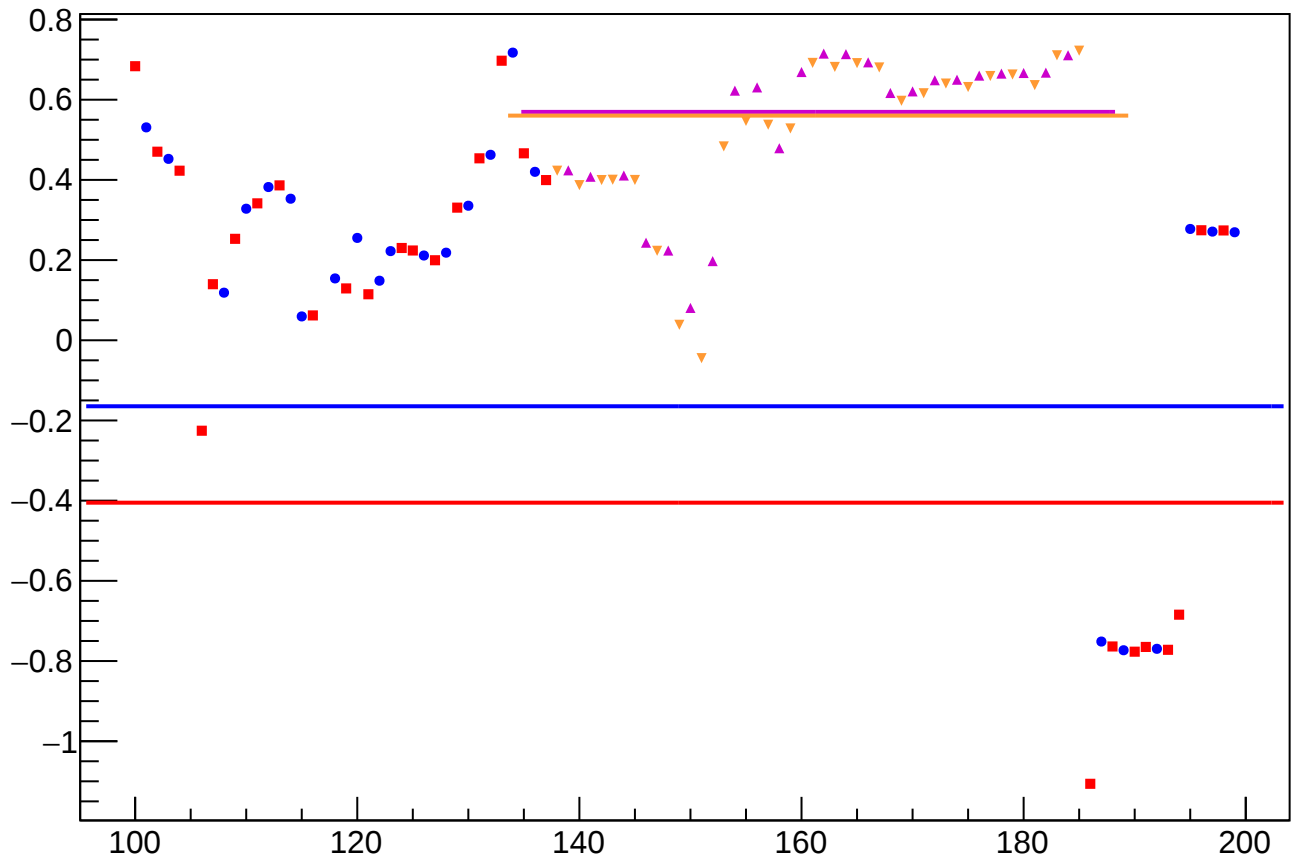
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1288490.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 4048159.8/47

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 7842850.2/97

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 3752065.9/49

yield_bpm0i07Y_mean vs Slug



Right In: -0.165+/-0.000 χ^2/NDF : 258431022343.8/22

Left Out: 0.560+/-0.000 χ^2/NDF : 45205806387.2/24

Right Out: -0.405+/-0.000 χ^2/NDF : 393755847220.2/26

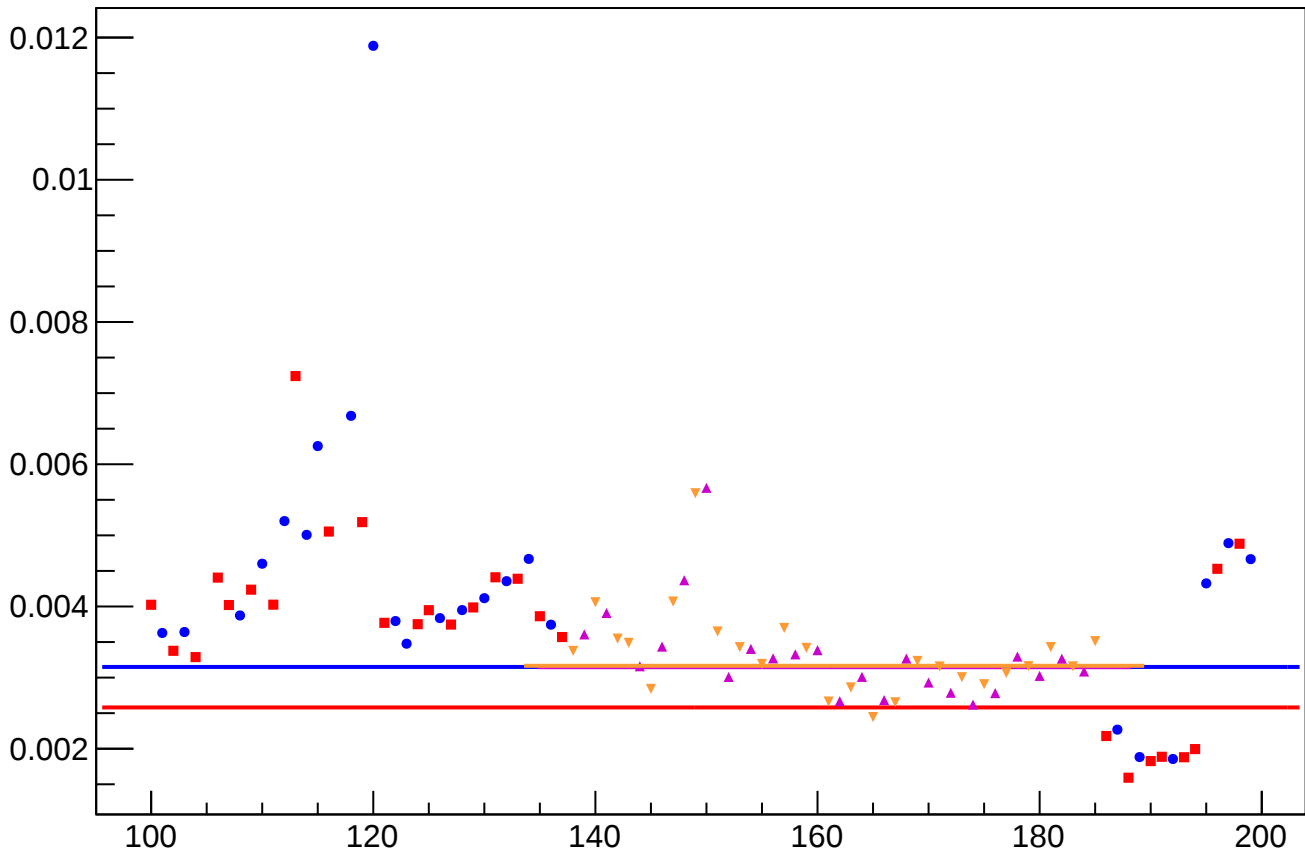
Left In: 0.570+/-0.000 χ^2/NDF : 42104067973.0/22

+ sign 0.314+/-0.000 χ^2/NDF : 592850059698.5/47

All: 0.205+/-0.000 χ^2/NDF : 1774047430639.

- sign 0.114+/-0.000 χ^2/NDF : 1127852134636.4/49

yield_bpm0i07Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 2696928.6/22

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:744886.7/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 3460227.3/26

Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:716402.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 3442108.0/47

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 8292602.4/97

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 4643177.9/49

yield_bpm1i02X_mean vs Slug



Right In: -0.017 ± 0.000 χ^2/NDF : 5698680463.8/22

Left Out: -2.182 ± 0.000 χ^2/NDF : 4008829567.0/24

Right Out: -0.011 ± 0.000 χ^2/NDF : 6816660618.7/26

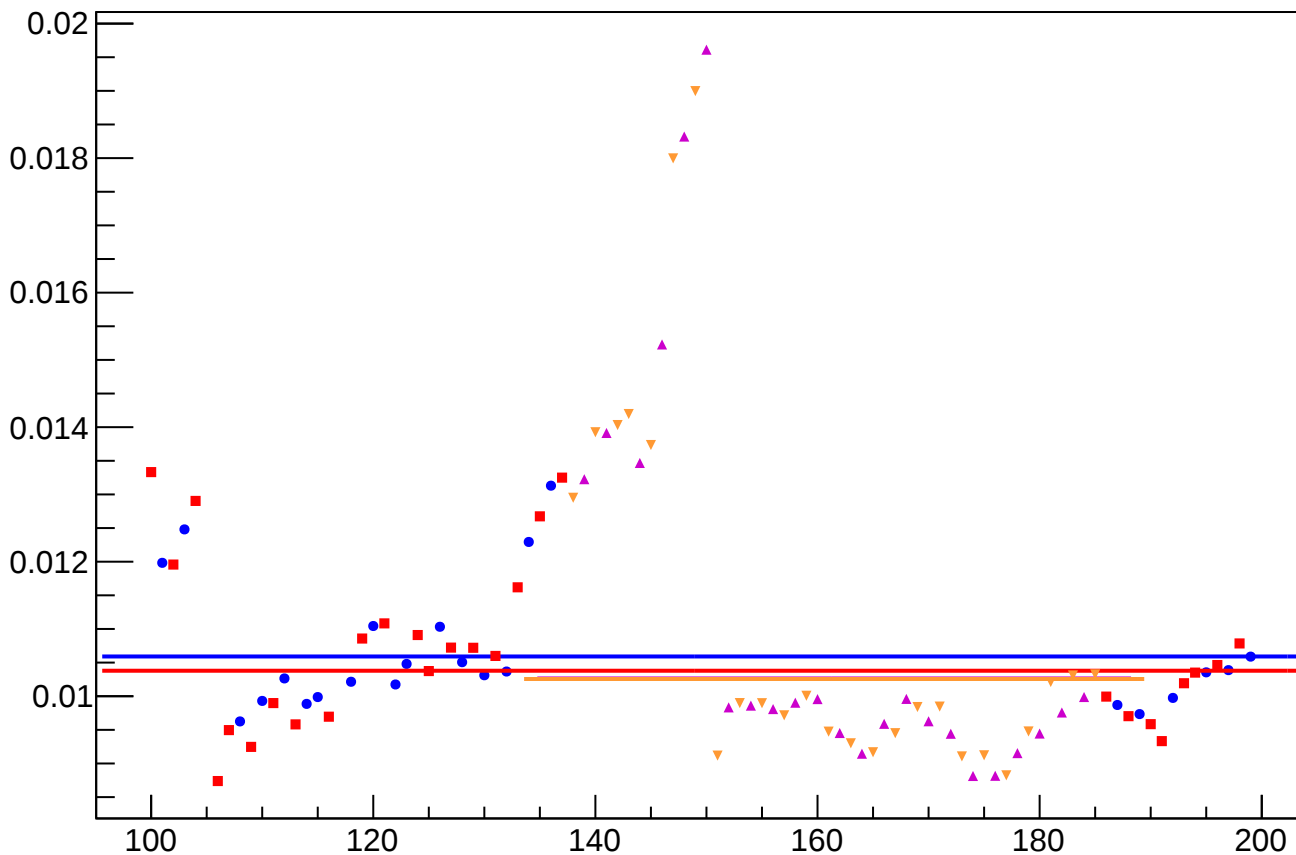
Left In: -2.185 ± 0.000 χ^2/NDF : 3372742534.3/22

+ sign -1.405 ± 0.000 χ^2/NDF : 291668138625.2/47

All: -1.344 ± 0.000 χ^2/NDF : 612157126115.1

- sign -1.284 ± 0.000 χ^2/NDF : 318525068962.3/49

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 148701.3/22

Left Out: 0.010+/-0.000 χ^2/NDF :1270617.6/24

Right Out: 0.010+/-0.000 χ^2/NDF : 207157.6/26

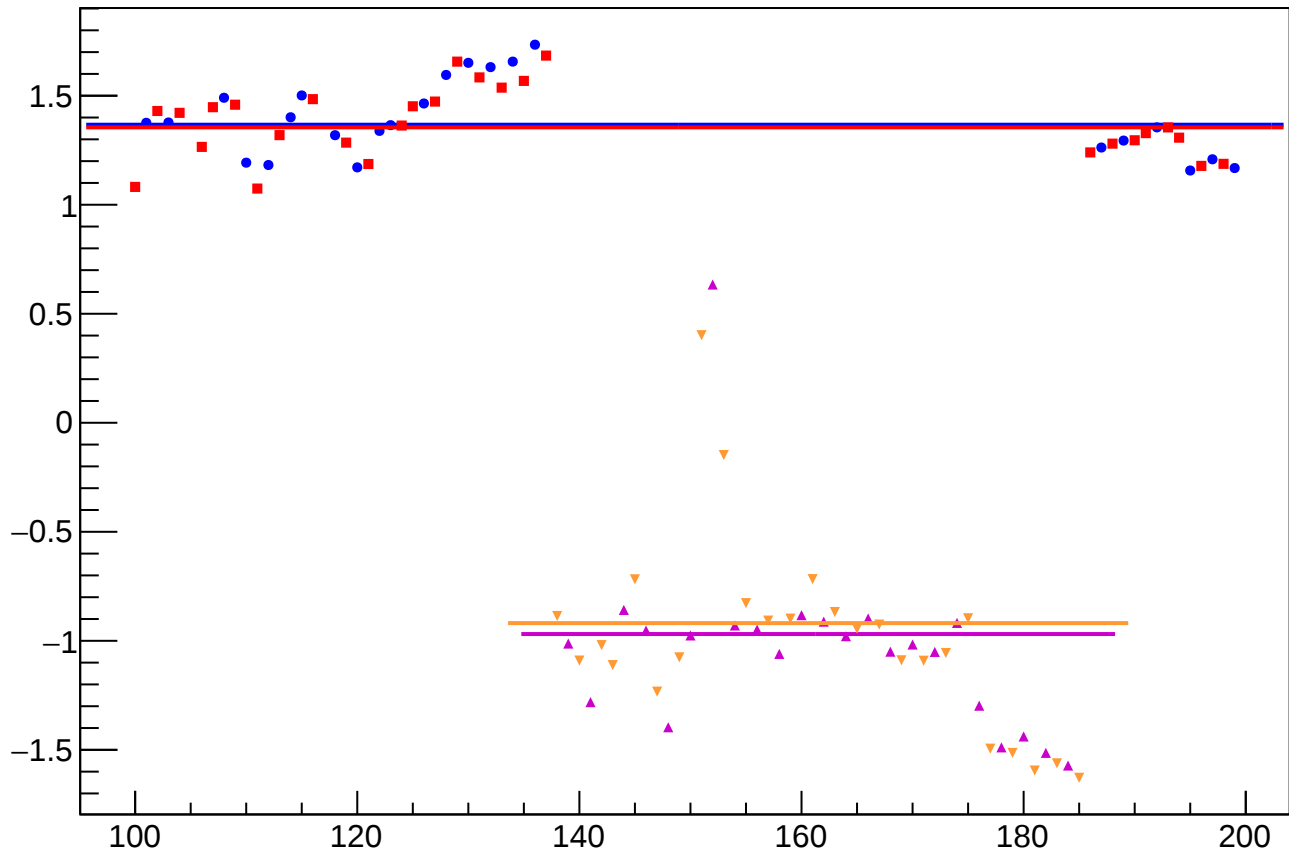
Left In: 0.010+/-0.000 χ^2/NDF :1340264.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 1432822.0/47

All: 0.010+/-0.000 χ^2/NDF : 2983052.5/97

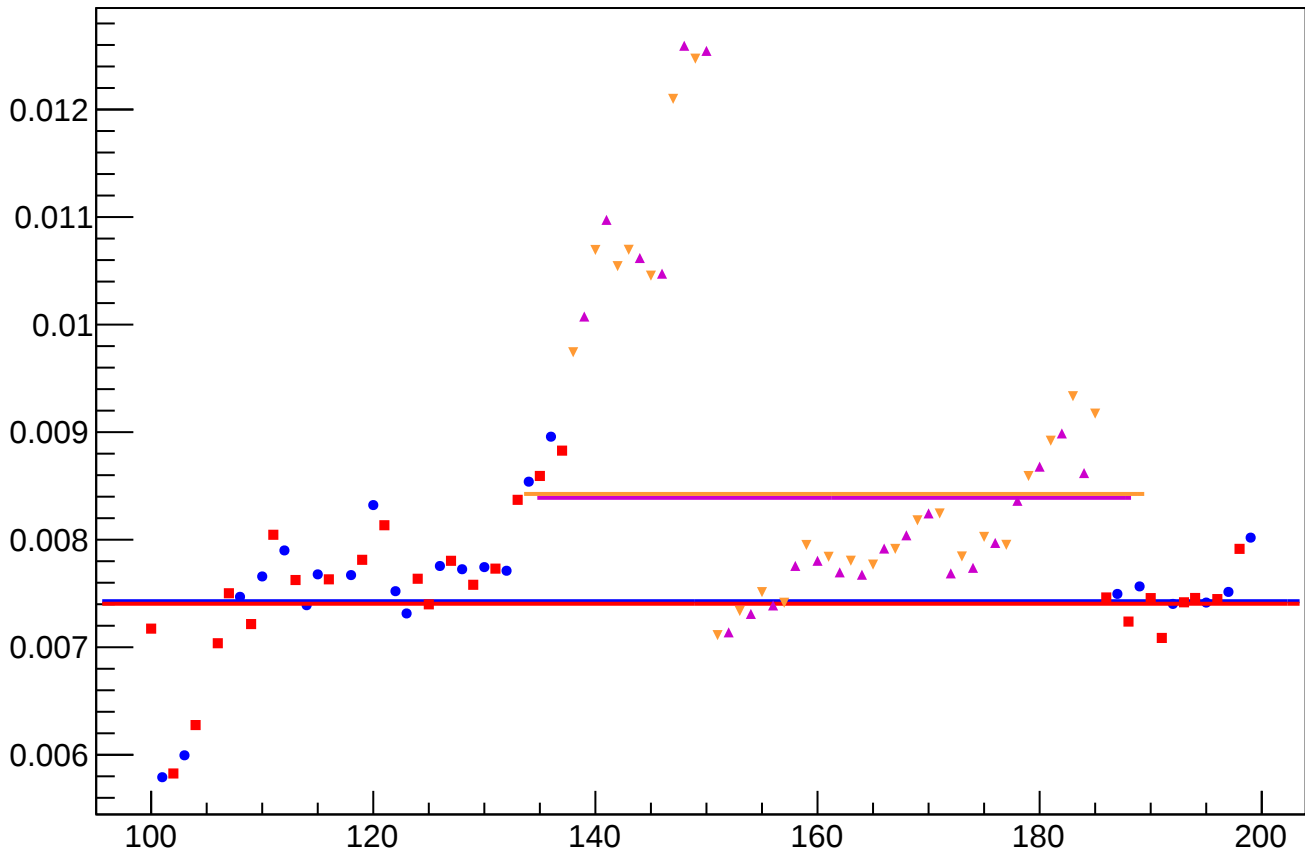
- sign 0.010+/-0.000 χ^2/NDF : 1549134.2/49

yield_bpm1i02Y_mean vs Slug



Right In: 1.367+/-0.000	χ^2/NDF : 5657505710.0/22	+ sign 0.062+/-0.000	χ^2/NDF : 626799673523.6/47
Left Out: -0.919+/-0.000	χ^2/NDF : 55622252895.8/24	All: 0.103+/-0.000	χ^2/NDF : 1305073572100.
Right Out: 1.355+/-0.000	χ^2/NDF : 4206190040.0/26	- sign 0.141+/-0.000	χ^2/NDF : 676873859481.4/49
Left In: -0.969+/-0.000	χ^2/NDF : 54895002535.8/22		

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 240068.7/22

Left Out: 0.008+/-0.000 χ^2/NDF : 792337.0/24

Right Out: 0.007+/-0.000 χ^2/NDF : 181694.2/26

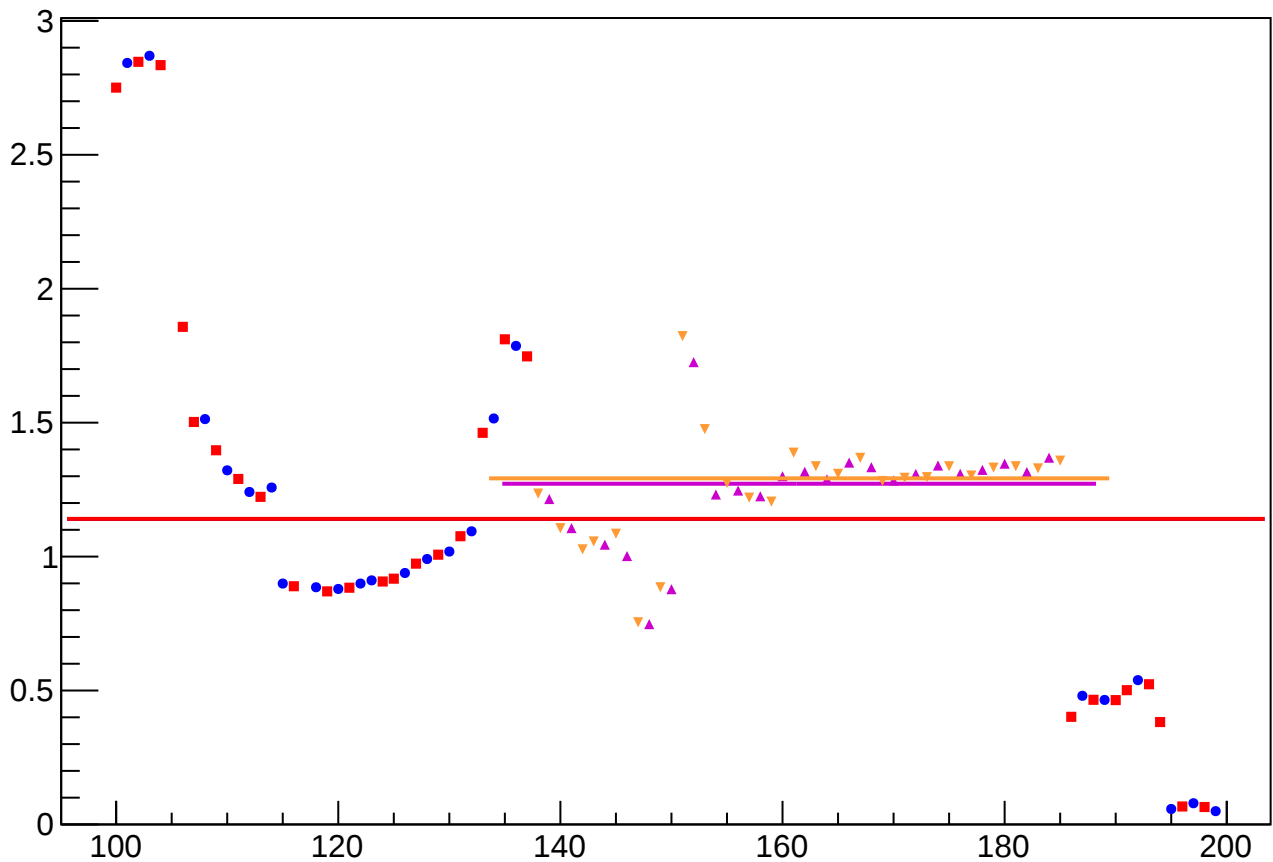
Left In: 0.008+/-0.000 χ^2/NDF : 839880.4/22

+ sign 0.008+/-0.000 χ^2/NDF : 1247702.6/47

All: 0.008+/-0.000 χ^2/NDF : 2494003.1/97

- sign 0.008+/-0.000 χ^2/NDF : 1243529.0/49

yield_bpm1i04X_mean vs Slug



Right In: 1.140 $\pm$ 0.000 χ^2 /NDF: 93208210351.8/22

Left Out: 1.292 $\pm$ 0.000 χ^2 /NDF: 9305298695.5/24

+ sign 1.230 $\pm$ 0.000 χ^2 /NDF: 104981516428.8/47

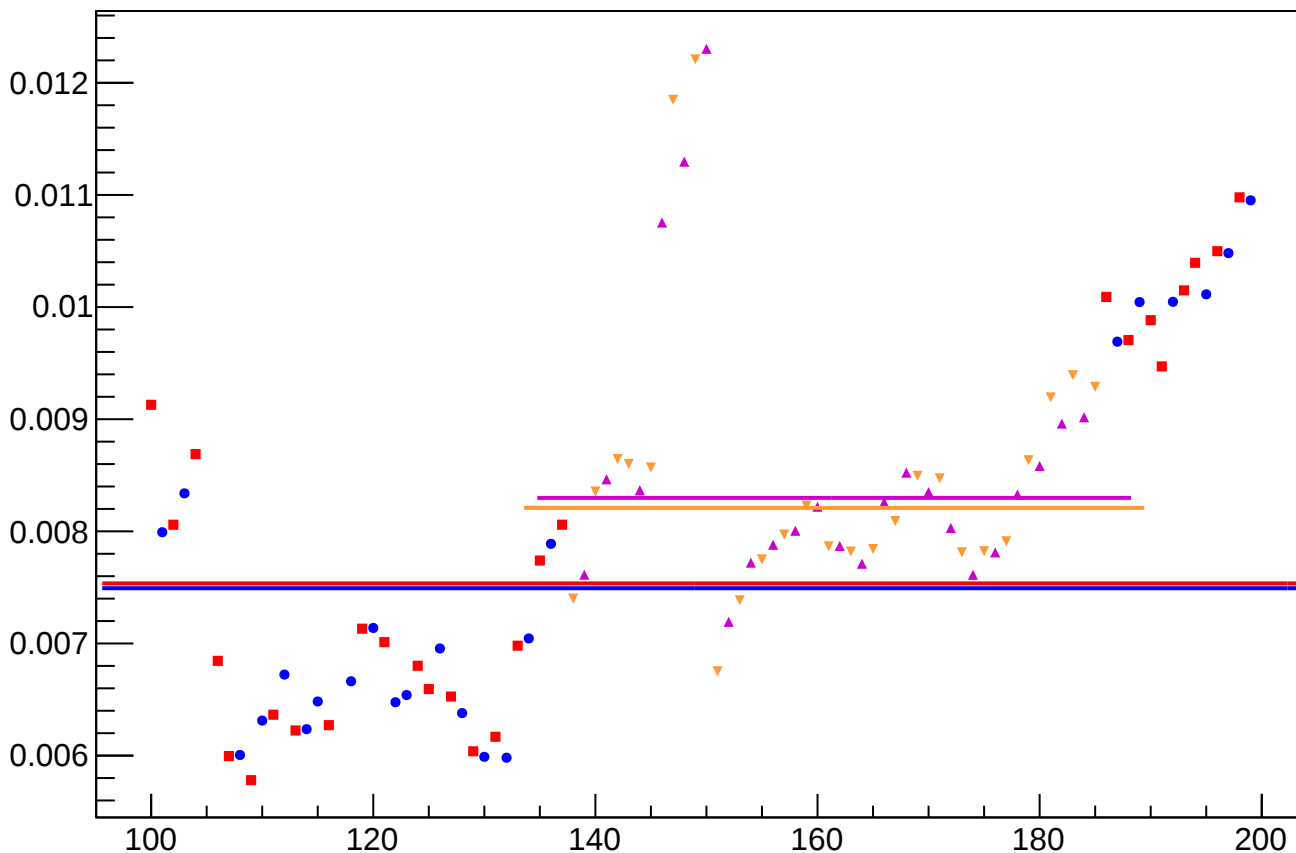
Right Out: 1.141 $\pm$ 0.000 χ^2 /NDF: 91719826337.3/26

All: 1.221 $\pm$ 0.000 χ^2 /NDF: 206255682418.1

Left In: 1.272 $\pm$ 0.000 χ^2 /NDF: 7573930981.2/22

- sign 1.212 $\pm$ 0.000 χ^2 /NDF: 101202324595.4/49

yield_bpm1i04X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 902011.9/22

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:478864.9/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 1109870.9/26

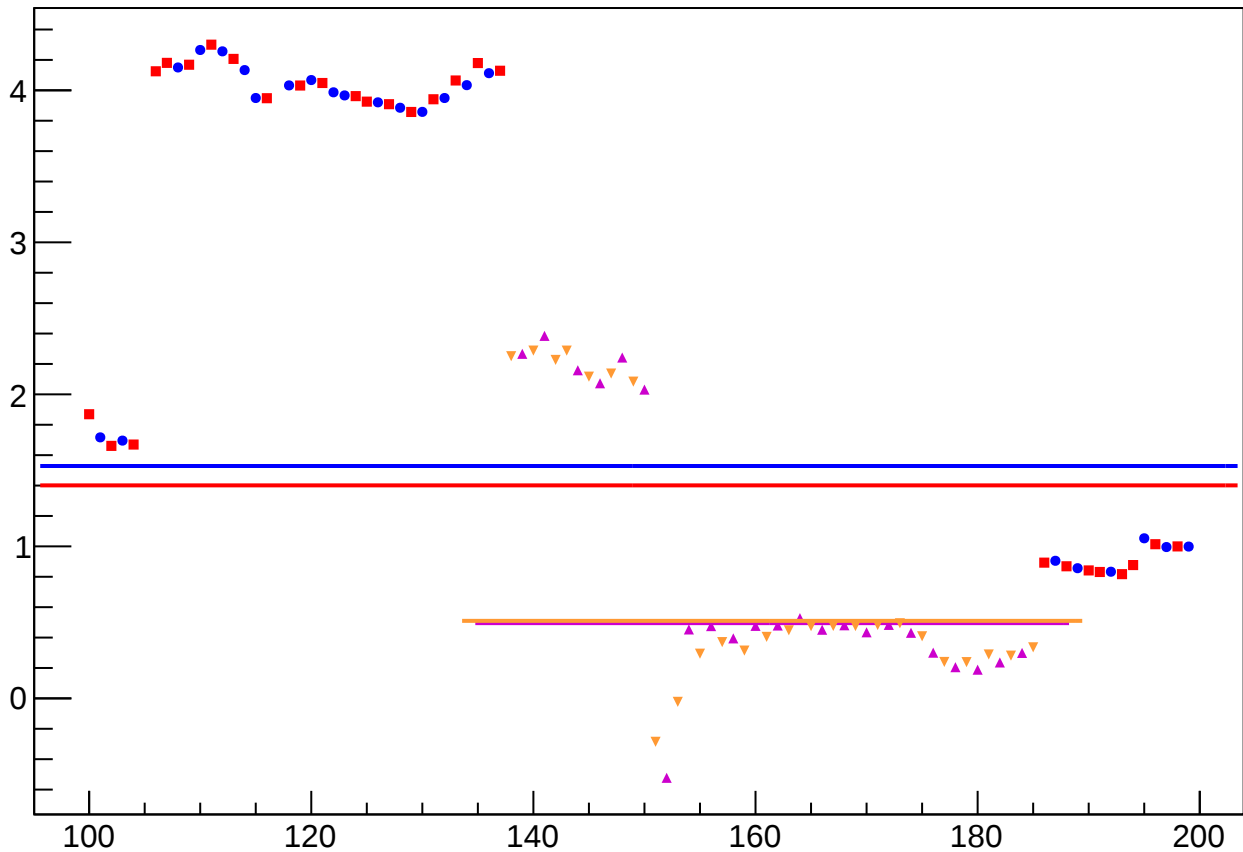
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:462022.1/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1490991.4/47

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 3192299.1/97

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1700796.9/49

yield_bpm1i04Y_mean vs Slug



Right In: 1.529+/-0.000 χ^2/NDF : 1372814221704.4/22

Left Out: 0.510+/-0.000 χ^2/NDF : 274818814912.4/24

Right Out: 1.401+/-0.000 χ^2/NDF : 1622722049243.0/26

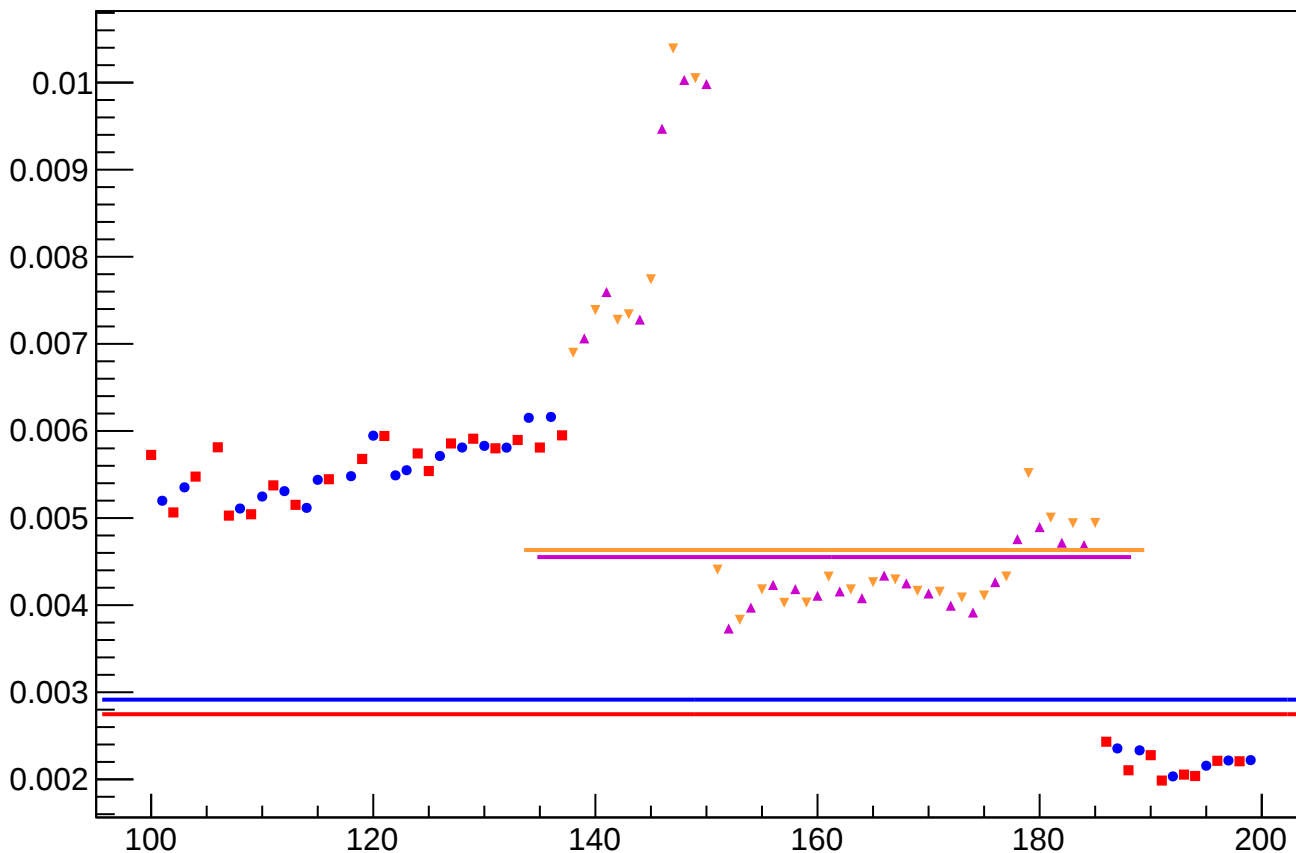
Left In: 0.495+/-0.000 χ^2/NDF : 268863202792.4/22

+ sign 1.079+/-0.000 χ^2/NDF : 2097848189915.4/47

All: 1.069+/-0.000 χ^2/NDF : 4378414576350.

- sign 1.061+/-0.000 χ^2/NDF : 2280259388865.9/49

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 3929051.7/22

Left Out: 0.005+/-0.000 χ^2/NDF : 2114007.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 4330361.2/26

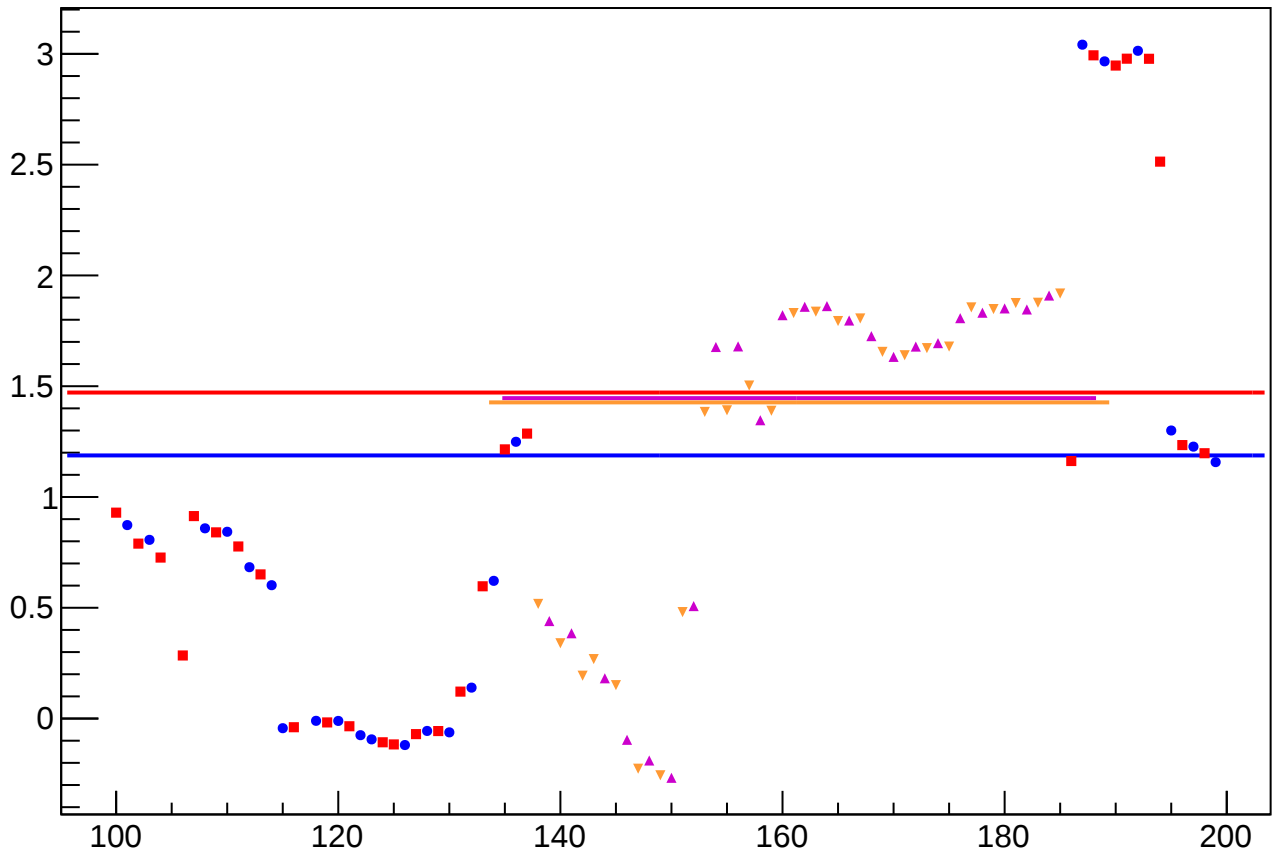
Left In: 0.005+/-0.000 χ^2/NDF : 2237666.9/22

+ sign 0.004+/-0.000 χ^2/NDF : 8603273.0/47

All: 0.004+/-0.000 χ^2/NDF : 18369620.6/97

- sign 0.003+/-0.000 χ^2/NDF : 9650496.7/49

yield_bpm1i06X_mean vs Slug



Right In: 1.188 $\pm$ 0.000 χ^2 /NDF: 72602061900.6/22

Left Out: 1.427 $\pm$ 0.000 χ^2 /NDF: 49990787038.3/24

Right Out: 1.471 $\pm$ 0.000 χ^2 /NDF: 98093493316.6/26

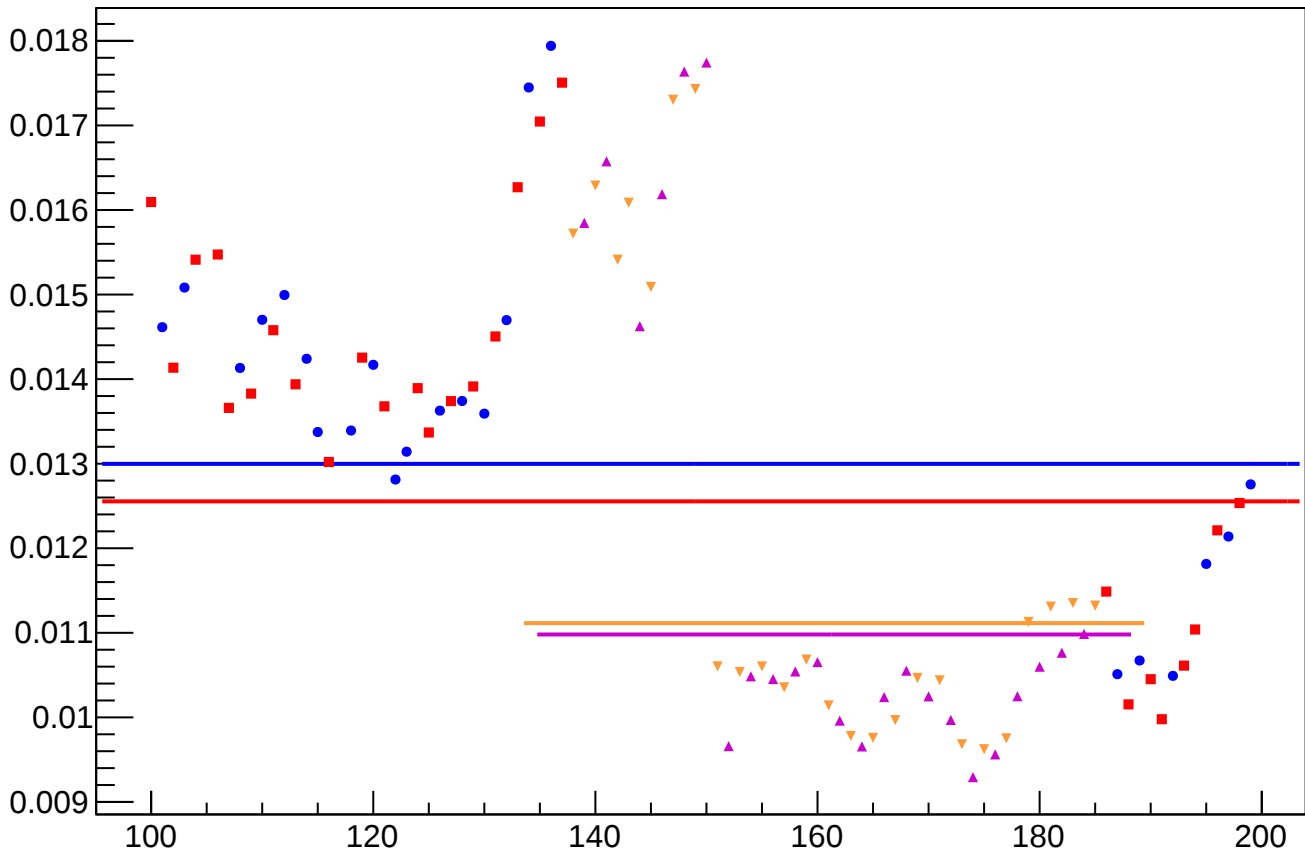
Left In: 1.446 $\pm$ 0.000 χ^2 /NDF: 53752493130.3/22

+ sign 1.355 $\pm$ 0.000 χ^2 /NDF: 125044525342.1/47

All: 1.406 $\pm$ 0.000 χ^2 /NDF: 277958291696.5

- sign 1.455 $\pm$ 0.000 χ^2 /NDF: 151876787635.8/49

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 429595.4/22

Left Out: 0.011+/-0.000 χ^2/NDF :1227493.2/24

Right Out: 0.013+/-0.000 χ^2/NDF : 548131.0/26

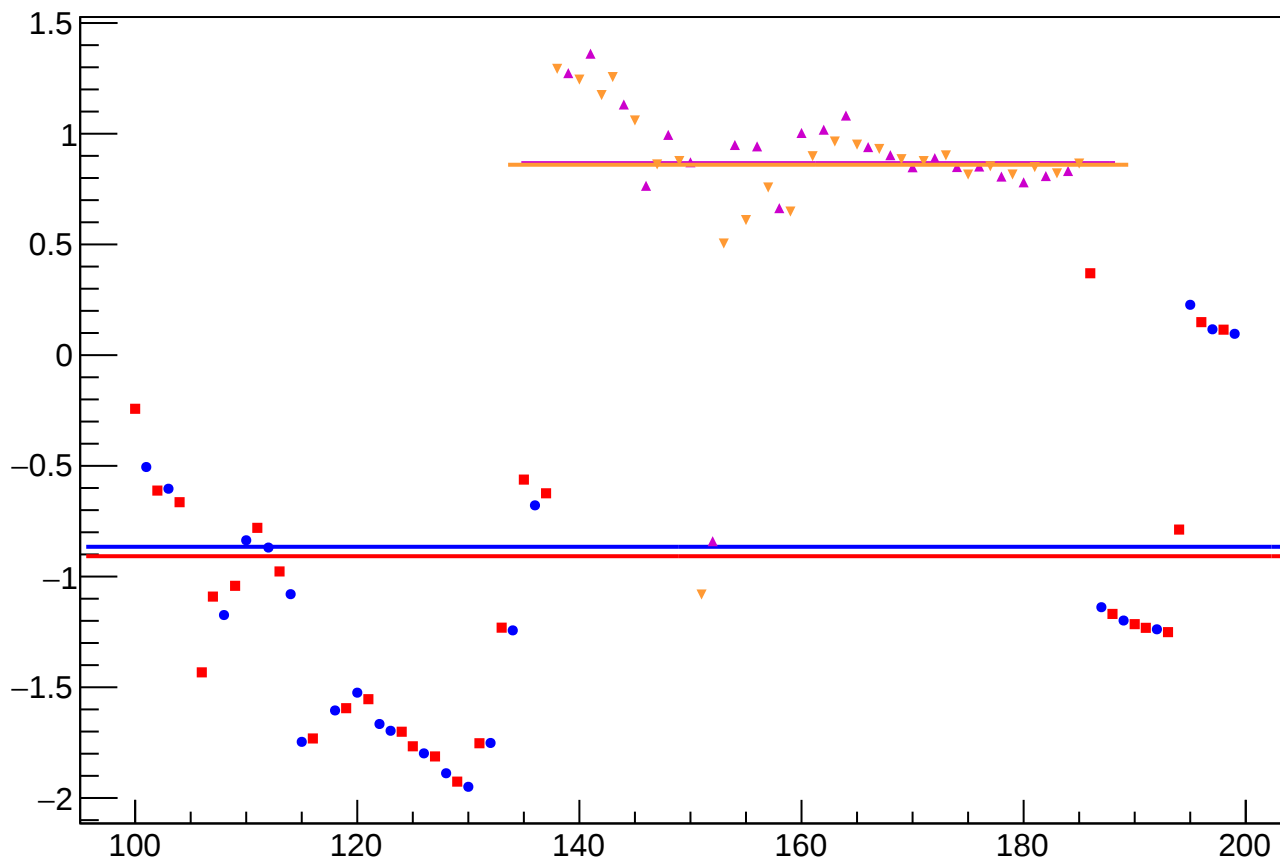
Left In: 0.011+/-0.000 χ^2/NDF :1264827.0/22

+ sign 0.012+/-0.000 χ^2/NDF : 1960402.1/47

All: 0.012+/-0.000 χ^2/NDF : 4016573.3/97

- sign 0.012+/-0.000 χ^2/NDF : 2051557.9/49

yield_bpm1i06Y_mean vs Slug



Right In: -0.866+/-0.000 χ^2/NDF : 124626395093.2/22

Left Out: 0.860+/-0.000 χ^2/NDF : 126335891175.4/24

Right Out: -0.908+/-0.000 χ^2/NDF : 107013994586.2/26

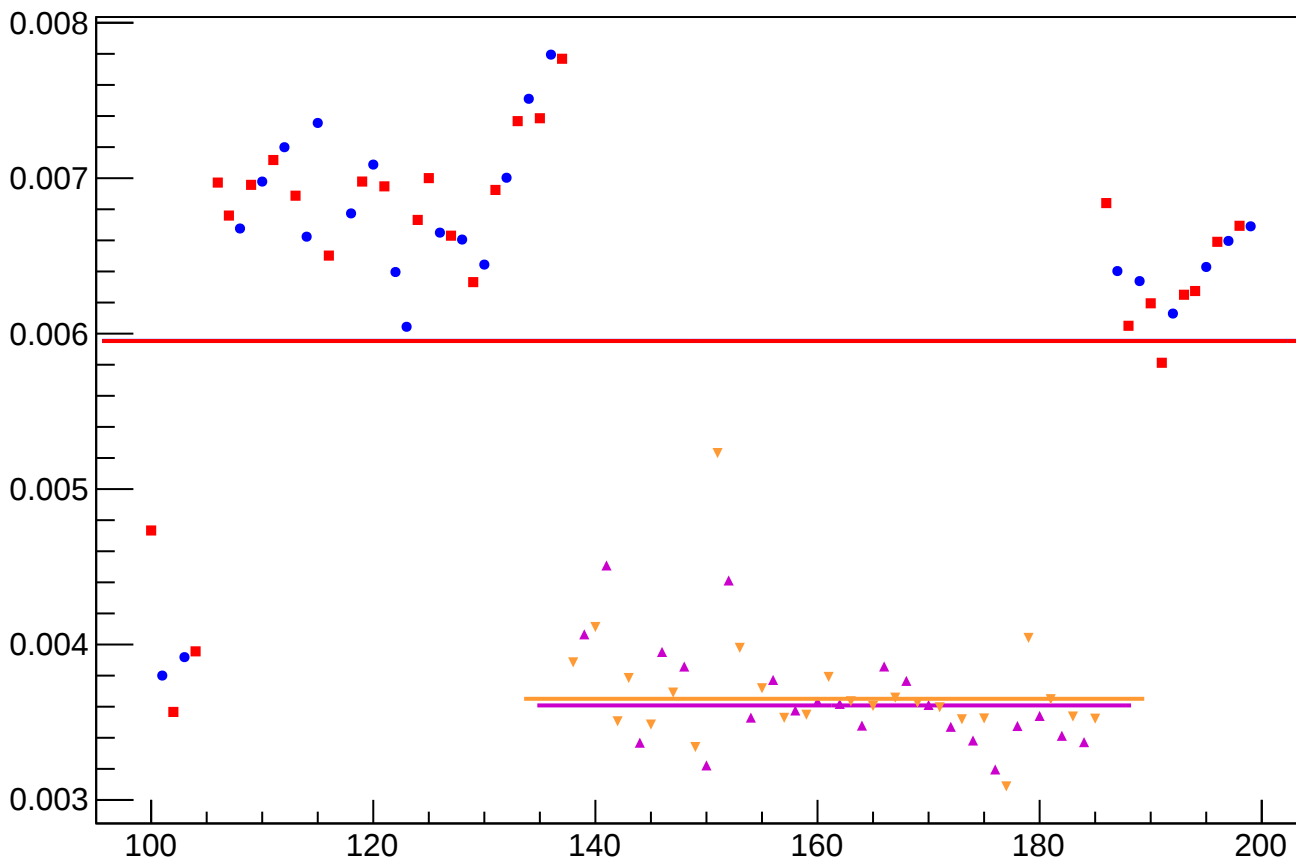
Left In: 0.867+/-0.000 χ^2/NDF : 147039402944.6/22

+ sign 0.552+/-0.000 χ^2/NDF : 917311138584.0/47

All: 0.528+/-0.000 χ^2/NDF : 1949663744891.0/49

- sign 0.505+/-0.000 χ^2/NDF : 1030671421027.2/49

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 906355.0/22

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:237262.6/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 998137.0/26

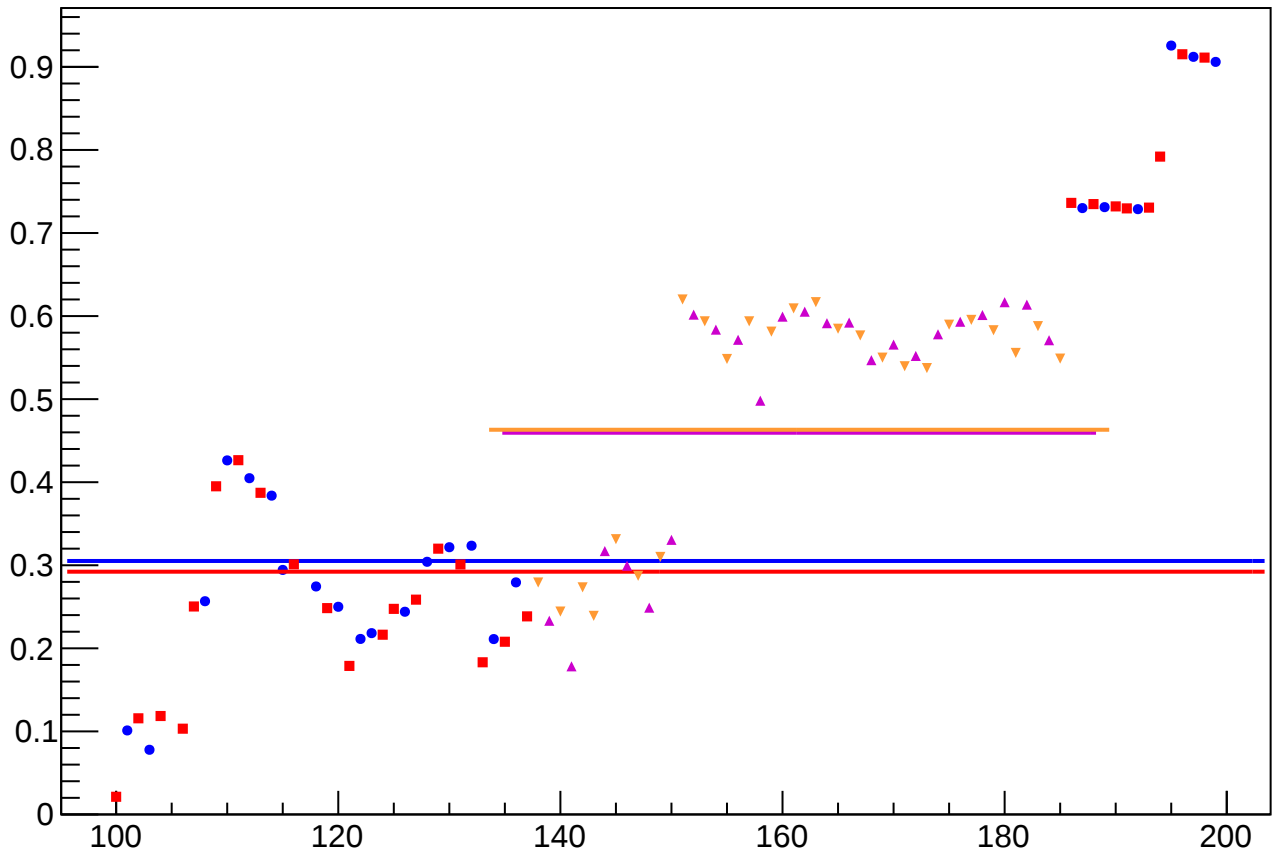
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:227861.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 3517381.8/47

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 7452753.7/97

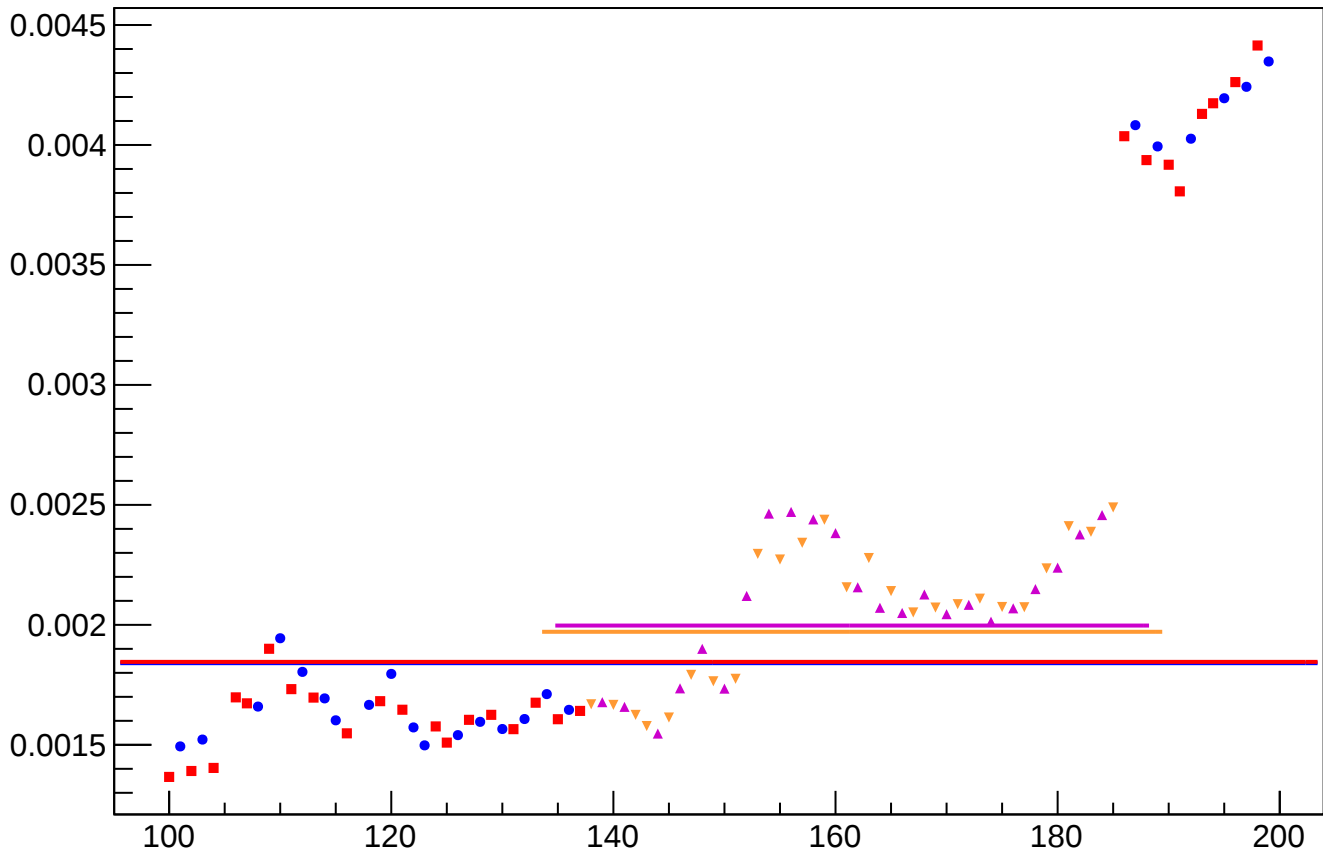
- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 3934443.1/49

yield_bpm2i01X_mean vs Slug



Right In: 0.305 $\pm$ 0.000	χ^2/NDF : 93571833104.4/22	+ sign 0.405 $\pm$ 0.000	χ^2/NDF : 238156433170.8/47
Left Out: 0.463 $\pm$ 0.000	χ^2/NDF : 102506270538.7/24	All: 0.398 $\pm$ 0.000	χ^2/NDF : 503452421420.1
Right Out: 0.292 $\pm$ 0.000	χ^2/NDF : 110758132062.3/26	- sign 0.390 $\pm$ 0.000	χ^2/NDF : 264429240554.0/49
Left In: 0.460 $\pm$ 0.000	χ^2/NDF : 104559088628.4/22		

yield_bpm2i01X_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2734109.3/22

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:730203.8/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3499001.3/26

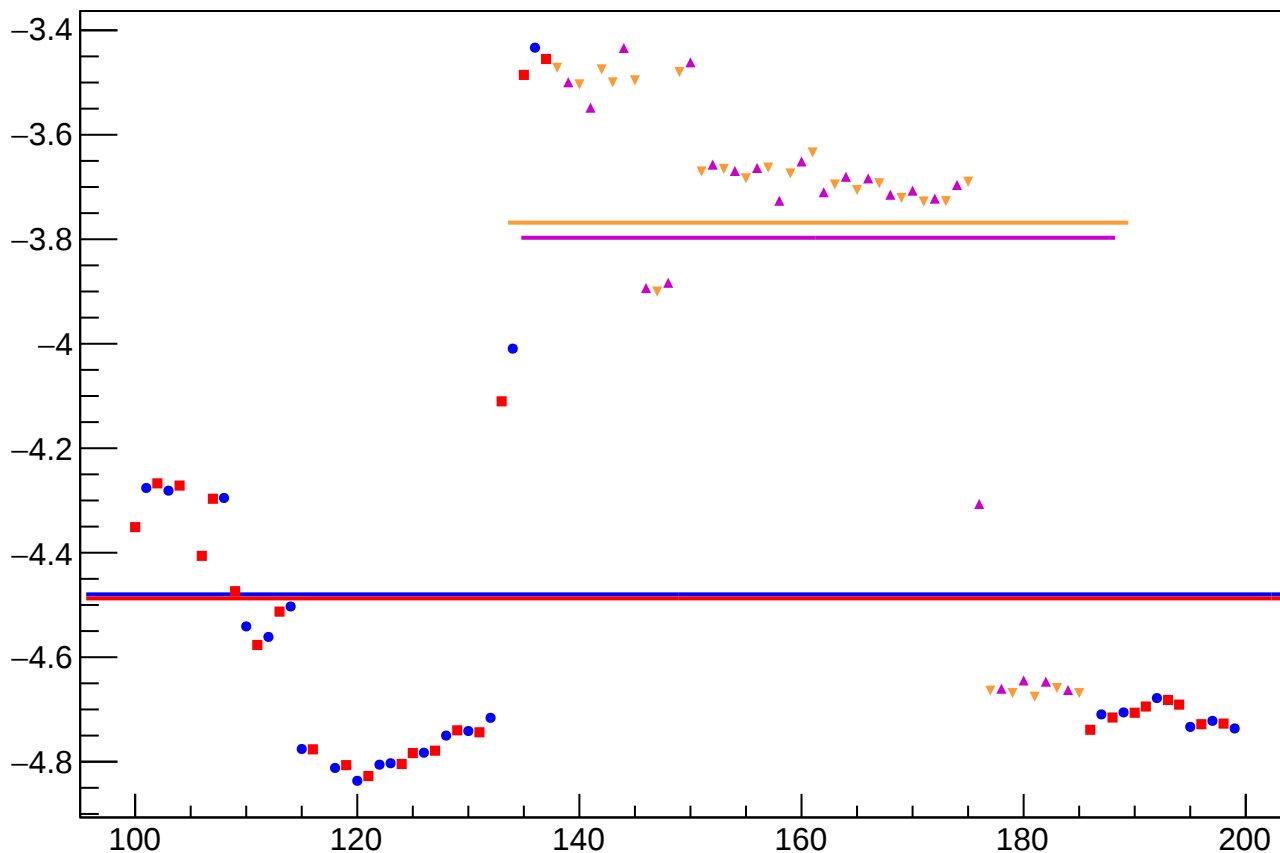
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:666404.2/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3521957.9/47

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 7768595.6/97

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 4245795.4/49

yield_bpm2i01Y_mean vs Slug



Right In: -4.480+/-0.000 χ^2/NDF : 416760635486.8/22

Left Out: -3.768+/-0.000 χ^2/NDF : 516780173940.8/24

Right Out: -4.487+/-0.000 χ^2/NDF : 355139977345.0/26

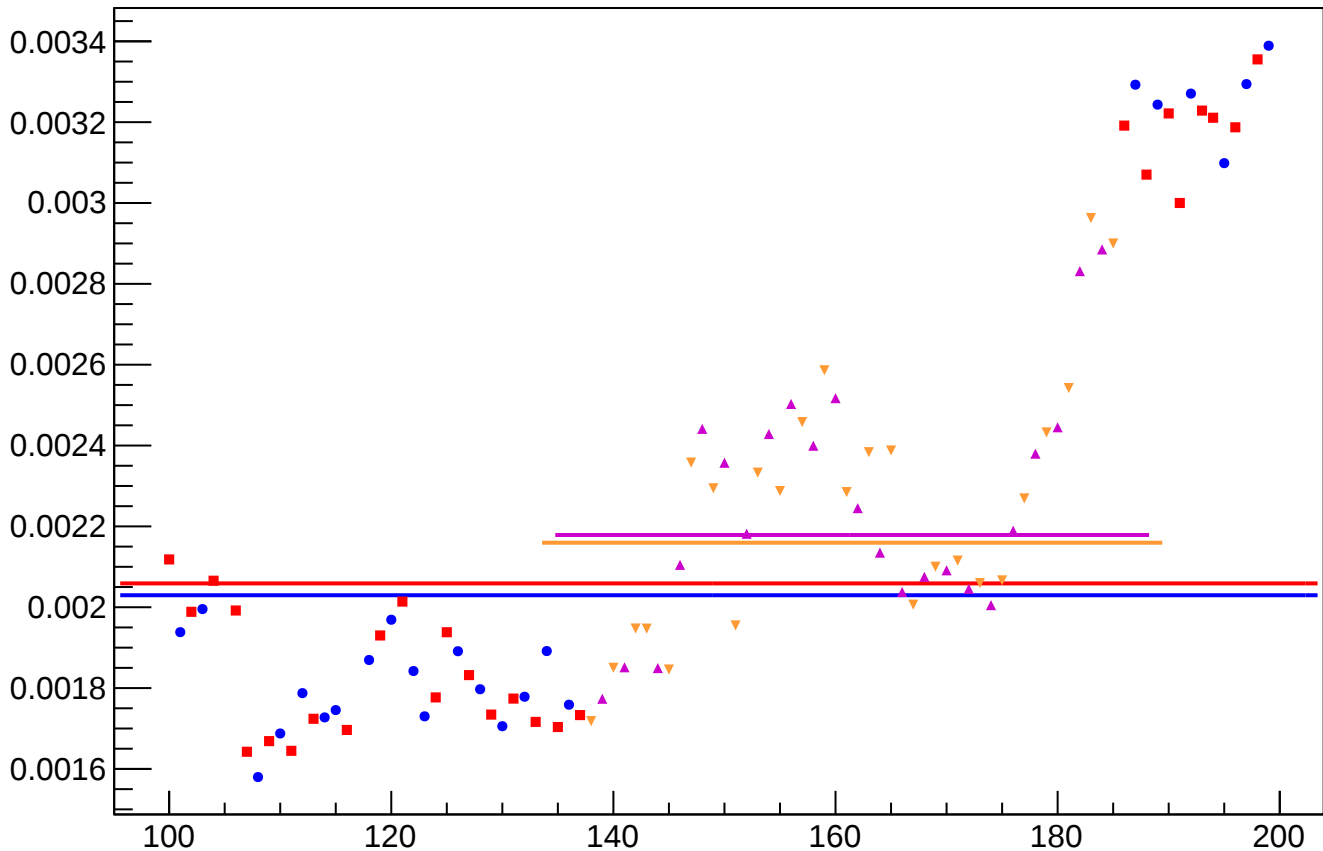
Left In: -3.797+/-0.000 χ^2/NDF : 444886272608.9/22

+ sign -4.040+/-0.000 χ^2/NDF : 1671409897250.2/4

All: -4.065+/-0.000 χ^2/NDF : 3196048355719

- sign -4.090+/-0.000 χ^2/NDF : 1517065886276.8/4

yield_bpm2i01Y_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1361315.5/22

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:547831.5/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 1638019.8/26

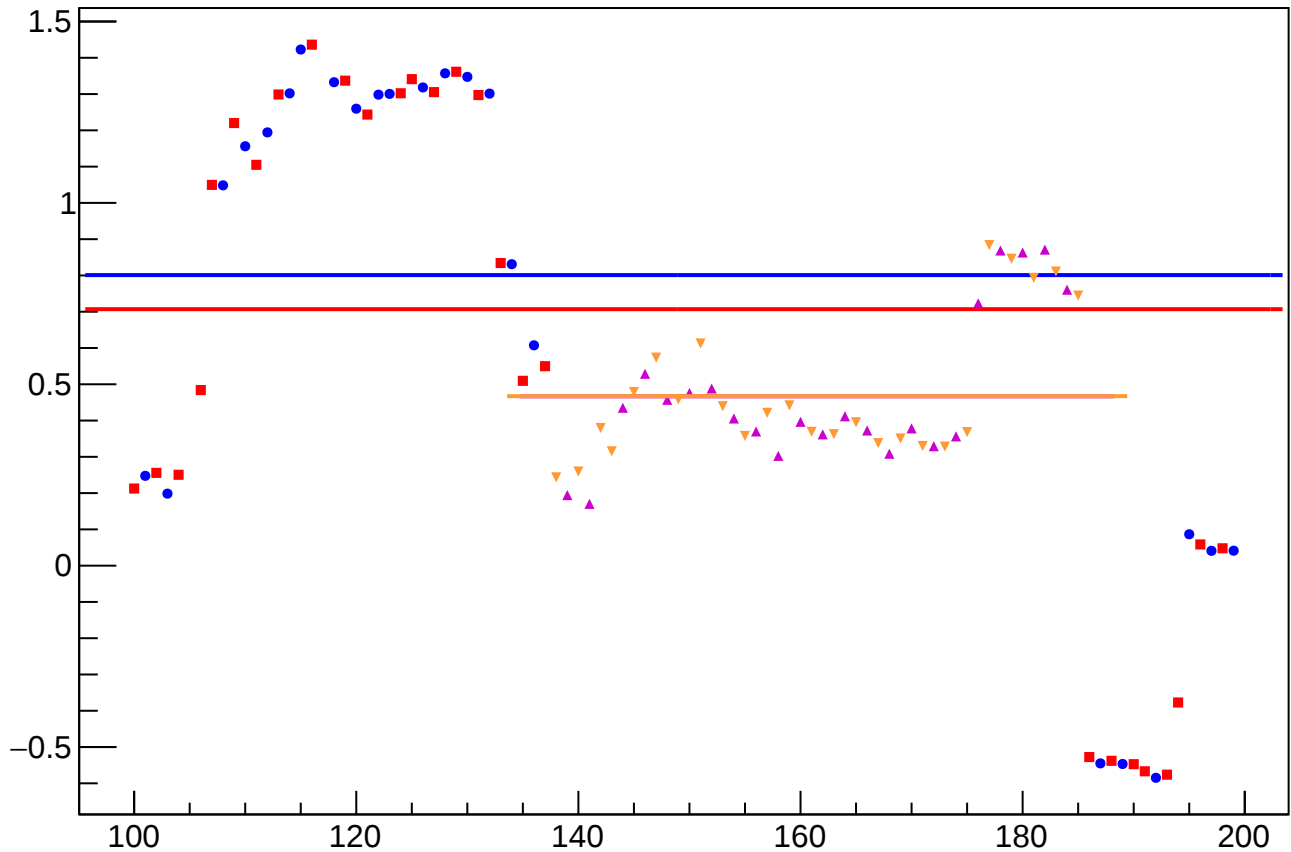
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:463279.7/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 1958353.8/47

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 4104793.5/97

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2144443.1/49

yield_bpm2i02X_mean vs Slug



Right In: 0.801 ± 0.000 χ^2/NDF : 64353870233.4/22

Left Out: 0.467 ± 0.000 χ^2/NDF : 7359344143.3/24

Right Out: 0.707 ± 0.000 χ^2/NDF : 87910855625.9/26

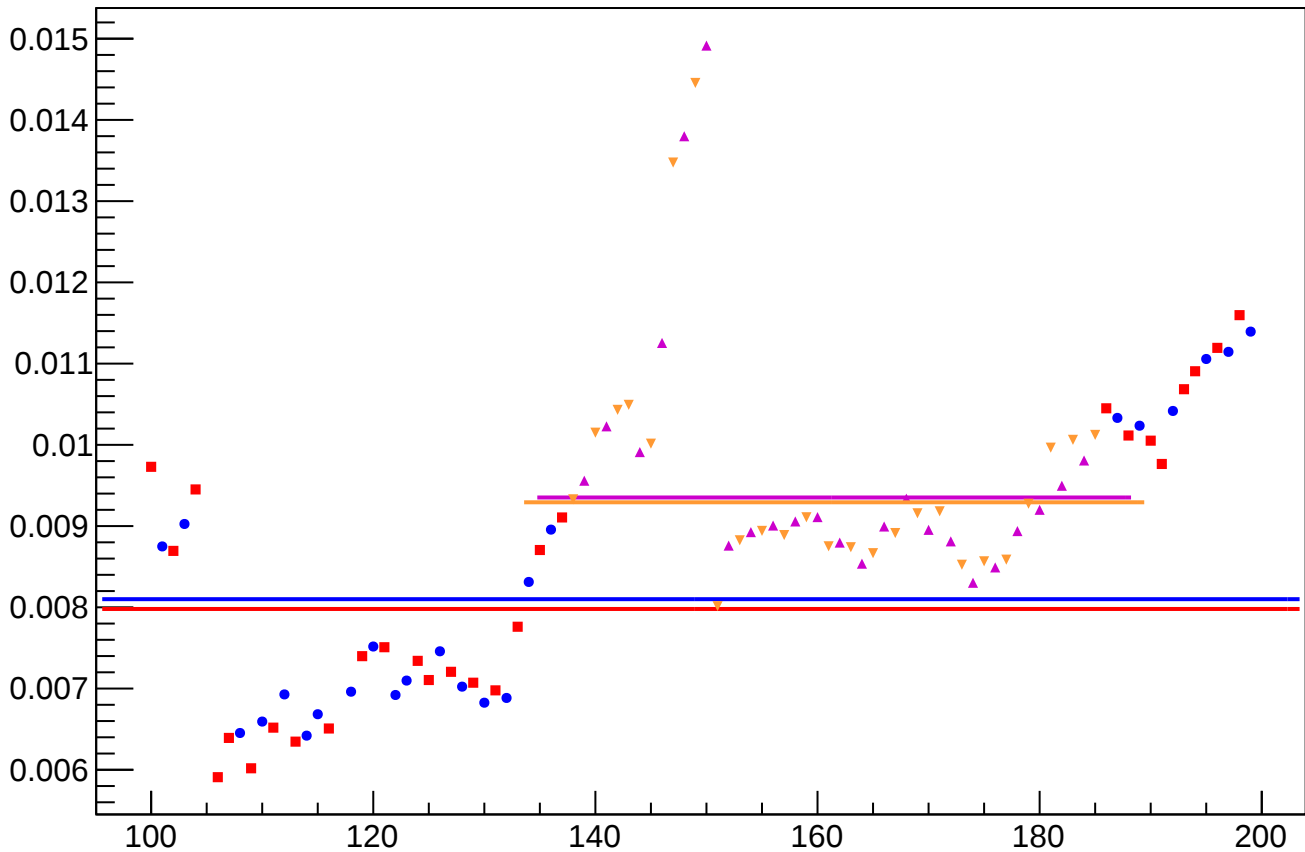
Left In: 0.467 ± 0.000 χ^2/NDF : 8036741308.0/22

+ sign 0.610 ± 0.000 χ^2/NDF : 81641143220.0/47

All: 0.596 ± 0.000 χ^2/NDF : 183132032305.4

- sign 0.583 ± 0.000 χ^2/NDF : 101358435303.6/49

yield_bpm2i02X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 832183.4/22

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:528279.5/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 1134981.8/26

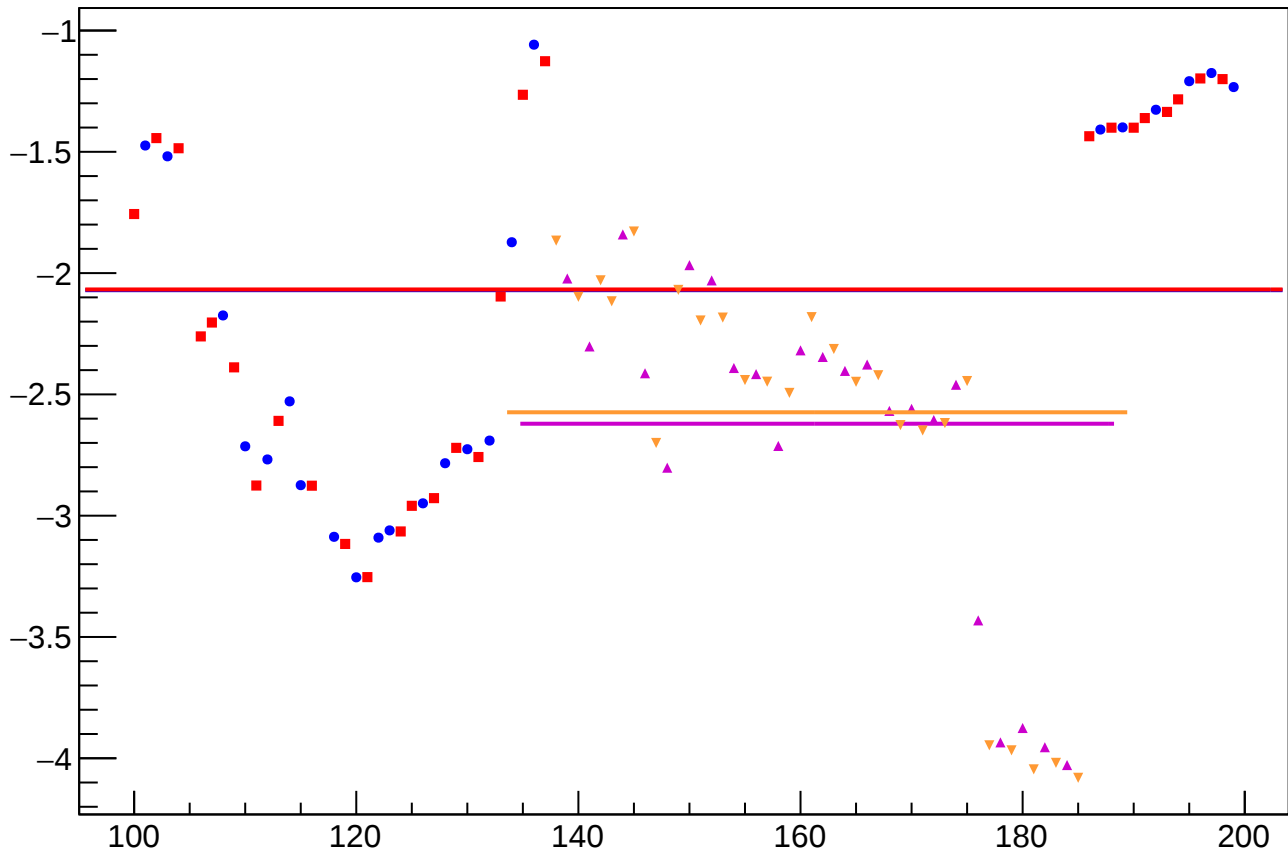
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:557555.2/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 1613901.8/47

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 3663068.0/97

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2045832.0/49

yield_bpm2i02Y_mean vs Slug



Right In: -2.070 ± 0.000 $\chi^2/\text{NDF}: 107984550870.7/22$

Left Out: -2.574 ± 0.000 $\chi^2/\text{NDF}: 99176112704.9/24$

Right Out: -2.067 ± 0.000 $\chi^2/\text{NDF}: 106501598536.0/26$

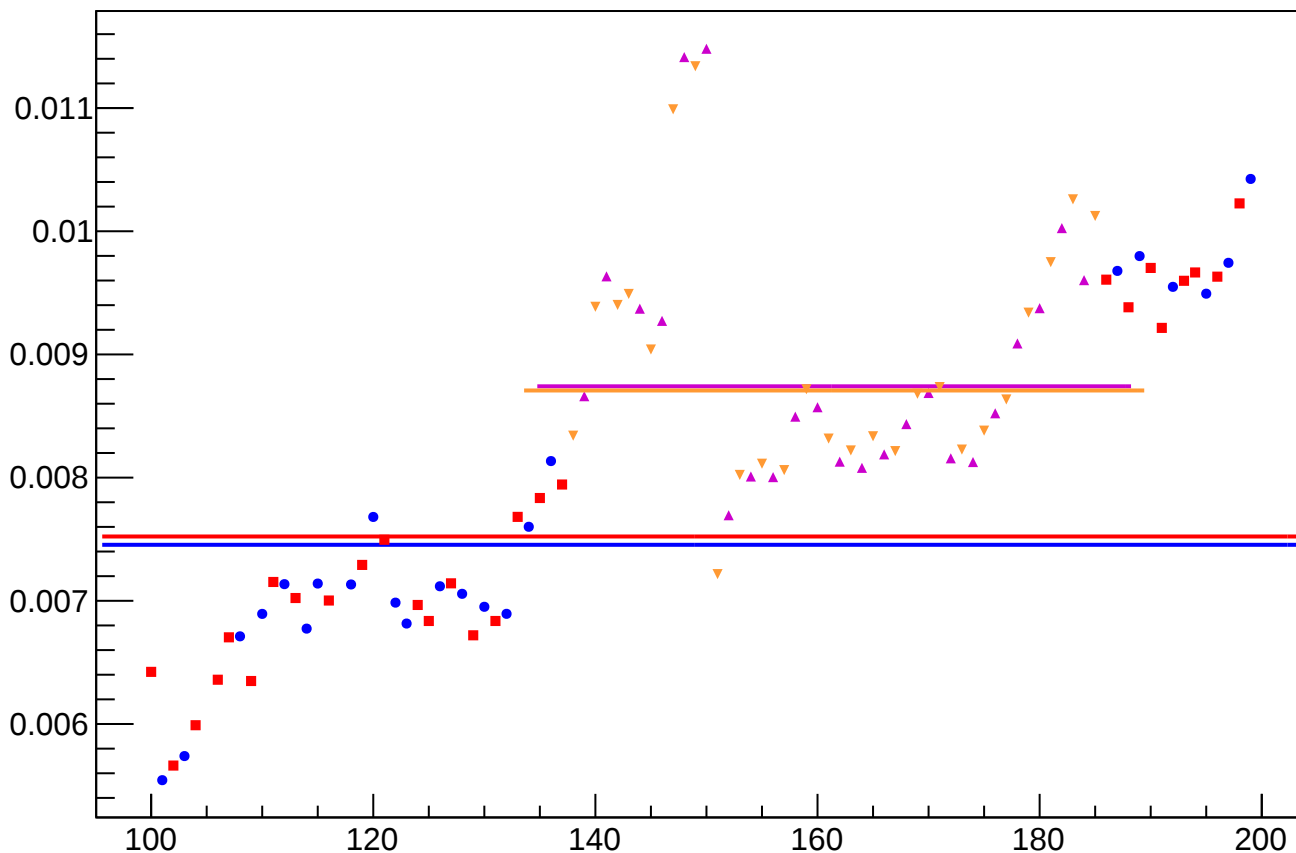
Left In: -2.621 ± 0.000 $\chi^2/\text{NDF}: 80862402796.4/22$

+ sign -2.355 ± 0.000 $\chi^2/\text{NDF}: 233563601167.5/47$

All: -2.355 ± 0.000 $\chi^2/\text{NDF}: 453934497520.5$

- sign -2.355 ± 0.000 $\chi^2/\text{NDF}: 220370886944.4/49$

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 743608.4/22

Left Out: 0.009+/-0.000 χ^2/NDF :369376.5/24

Right Out: 0.008+/-0.000 χ^2/NDF : 793219.3/26

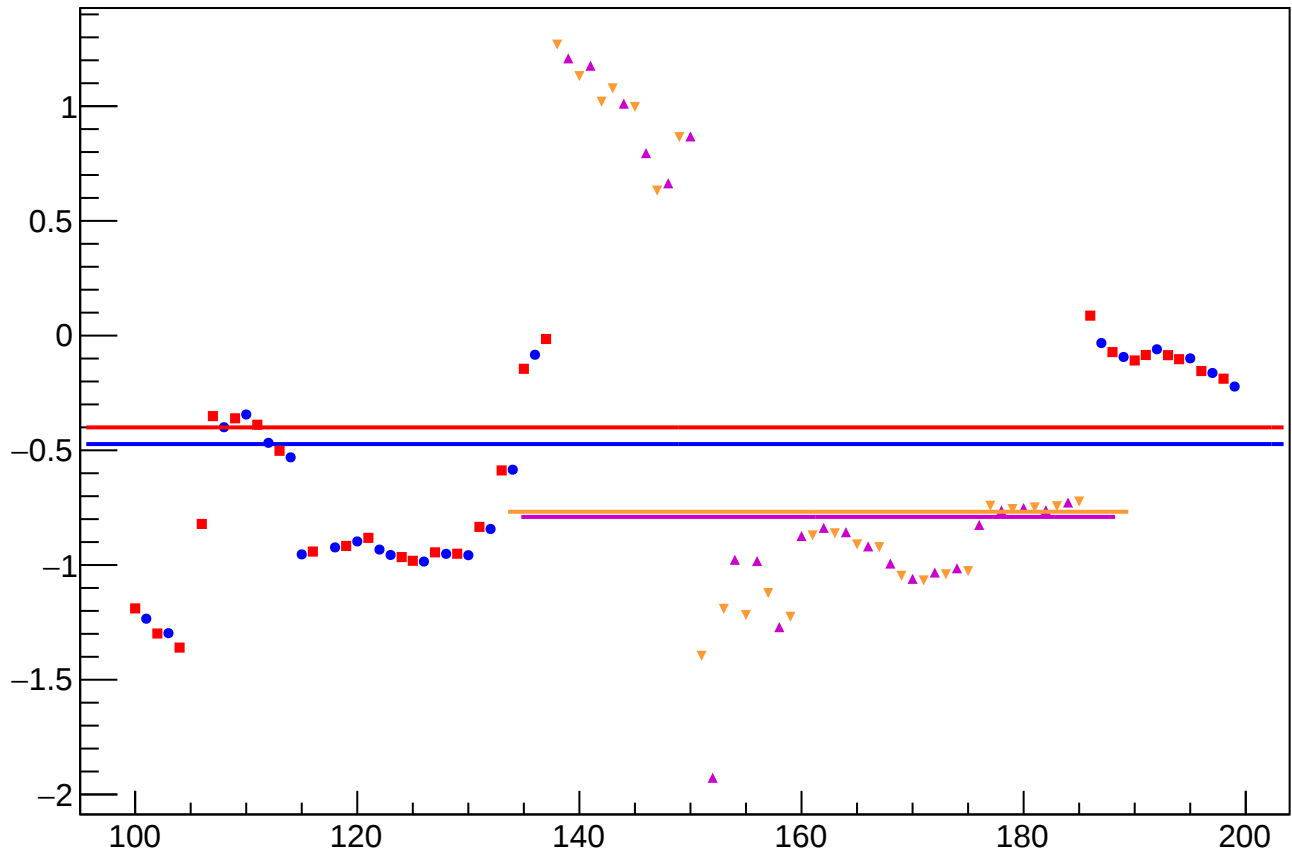
Left In: 0.009+/-0.000 χ^2/NDF :353750.0/22

+ sign 0.008+/-0.000 χ^2/NDF : 1440134.7/47

All: 0.008+/-0.000 χ^2/NDF : 2907327.2/97

- sign 0.008+/-0.000 χ^2/NDF : 1467172.1/49

yield_bpm0i01X_mean vs Slug



Right In: -0.473 ± 0.000 $\chi^2/\text{NDF}: 21204548096.4/22$

Left Out: -0.768 ± 0.000 $\chi^2/\text{NDF}: 120774855982.9/24$

Right Out: -0.400 ± 0.000 $\chi^2/\text{NDF}: 24556969916.0/26$

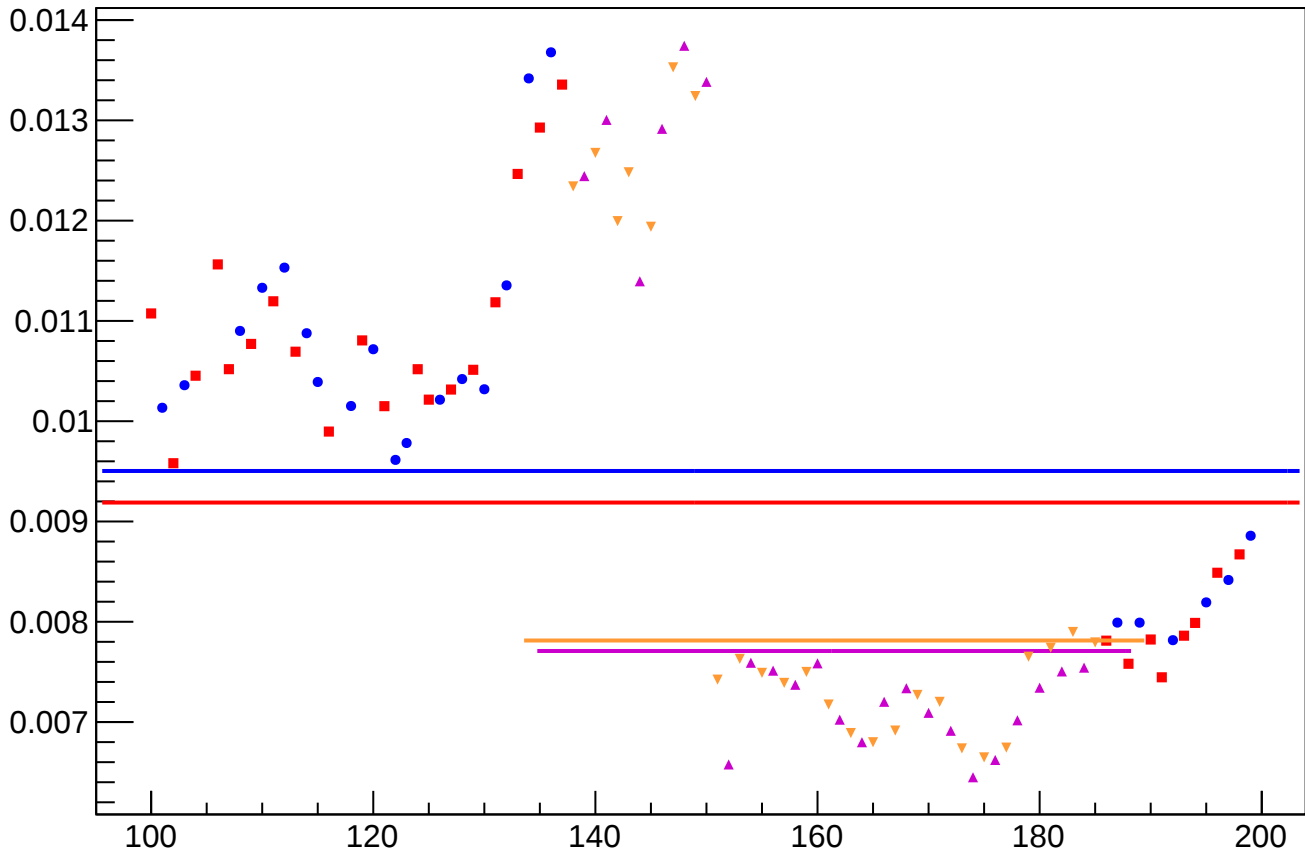
Left In: -0.790 ± 0.000 $\chi^2/\text{NDF}: 123452478408.2/22$

+ sign -0.683 ± 0.000 $\chi^2/\text{NDF}: 149003926330.1/47$

All: -0.671 ± 0.000 $\chi^2/\text{NDF}: 311016503697.1$

- sign -0.660 ± 0.000 $\chi^2/\text{NDF}: 161899590553.0/49$

yield_bpm0i01X_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 514227.3/22

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:1705997.6/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 625130.6/26

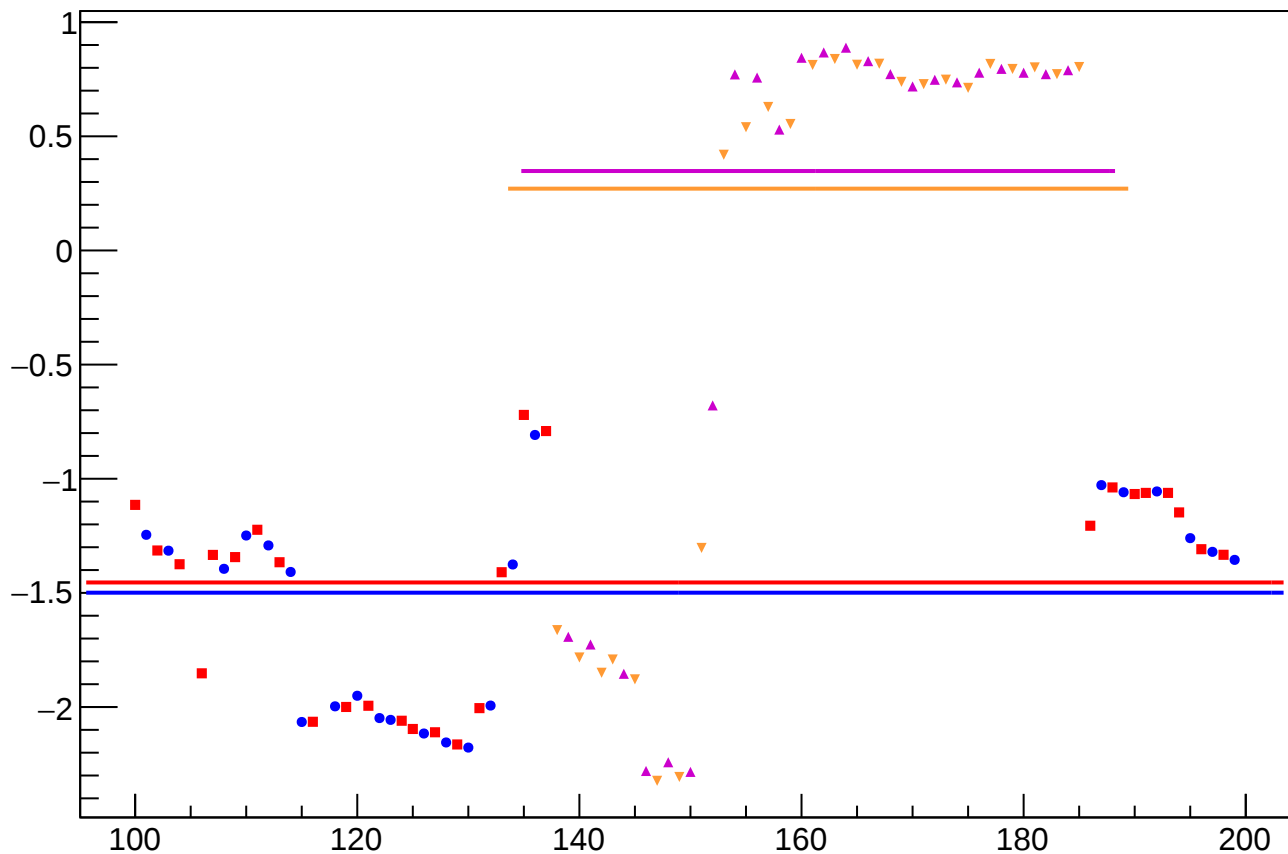
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:1746653.6/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2681643.3/47

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 5456513.6/97

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2771395.3/49

yield_bpm0i01Y_mean vs Slug



Right In: -1.499 ± 0.000 χ^2/NDF : 172490769483.0/22

Left Out: 0.271 ± 0.000 χ^2/NDF : 2583233987355.9/24

Right Out: -1.454 ± 0.000 χ^2/NDF : 163414049684.4/26

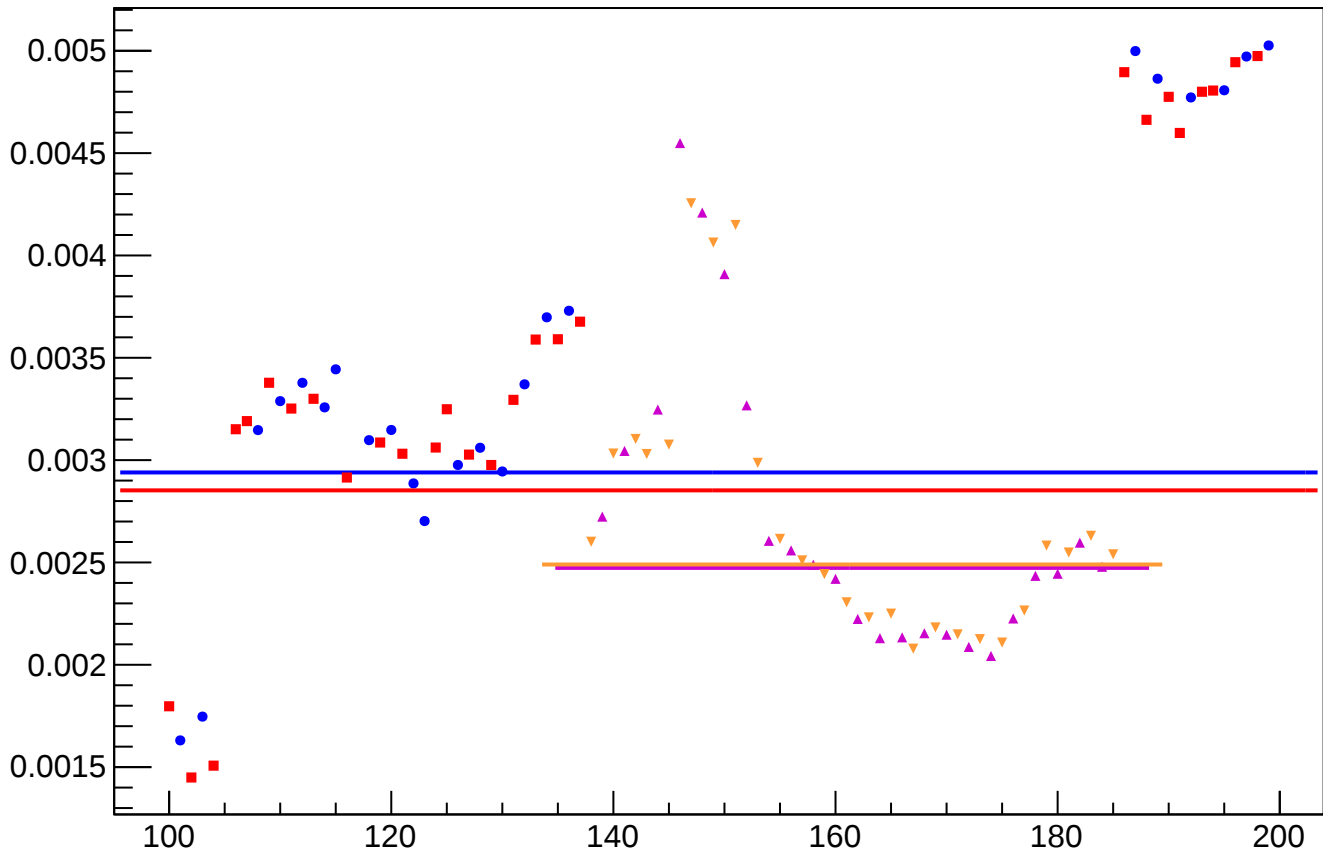
Left In: 0.348 ± 0.000 χ^2/NDF : 2274004426513.8/22

+ sign -0.221 ± 0.000 χ^2/NDF : 5038553298552.7/4

All: -0.226 ± 0.000 χ^2/NDF : 1006943249735

- sign -0.232 ± 0.000 χ^2/NDF : 5030679907244.7/4

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 2452809.9/22

Left Out: 0.002+/-0.000 χ^2/NDF :1070282.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 3484911.7/26

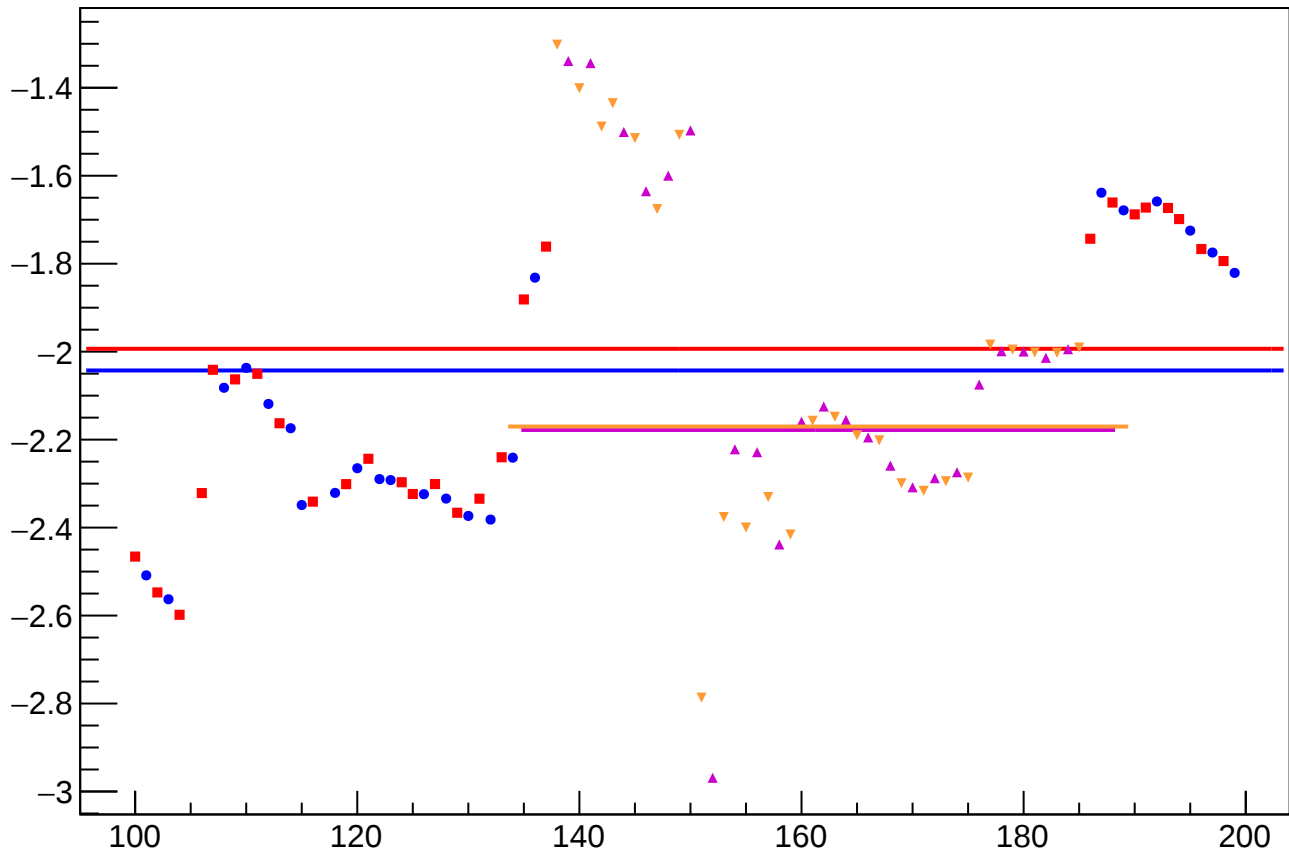
Left In: 0.002+/-0.000 χ^2/NDF :1135279.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 3817863.5/47

All: 0.003+/-0.000 χ^2/NDF : 8668558.0/97

- sign 0.003+/-0.000 χ^2/NDF : 4849265.2/49

yield_bpm0i01aX_mean vs Slug



Right In: -2.043+/-0.000 χ^2/NDF : 28071453357.8/22

Left Out: -2.170+/-0.000 χ^2/NDF : 59967315241.9/24

Right Out: -1.993+/-0.000 χ^2/NDF : 33474051794.5/26

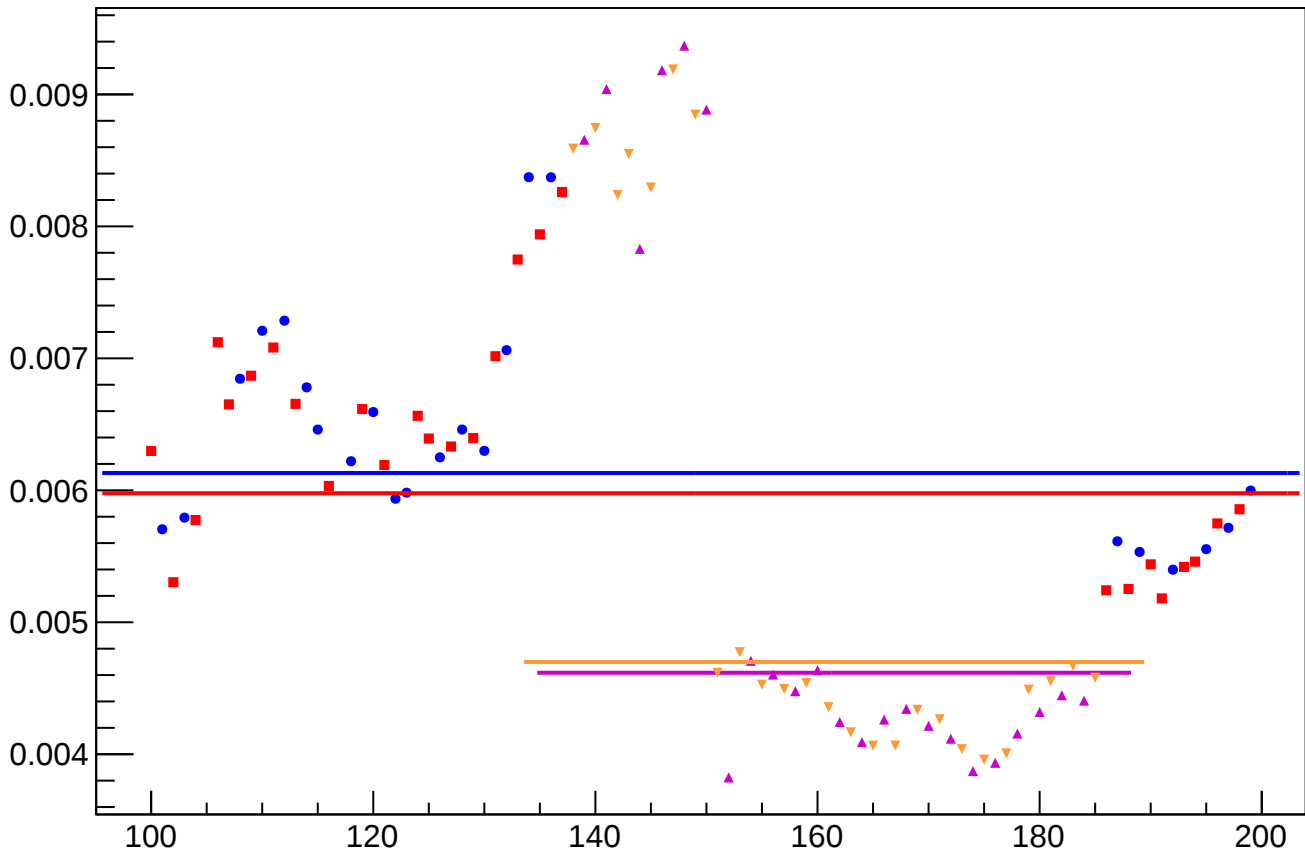
Left In: -2.178+/-0.000 χ^2/NDF : 73402051113.3/22

+ sign -2.136+/-0.000 χ^2/NDF : 91287957115.6/47

All: -2.129+/-0.000 χ^2/NDF : 205955275450.6

- sign -2.121+/-0.000 χ^2/NDF : 114547122034.6/49

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 295777.0/22

Left Out: 0.005+/-0.000 χ^2/NDF :2319588.7/24

Right Out: 0.006+/-0.000 χ^2/NDF : 349617.7/26

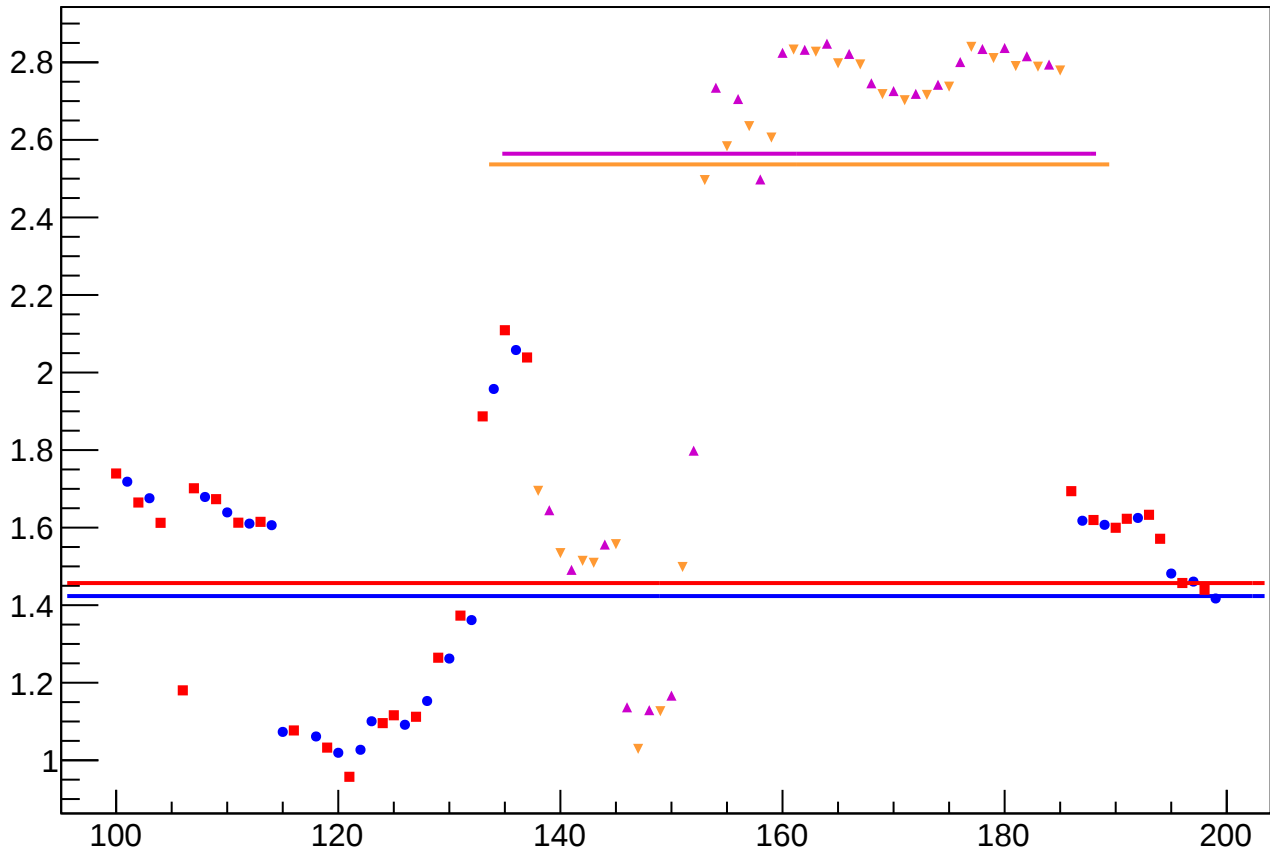
Left In: 0.005+/-0.000 χ^2/NDF :2367440.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 3435182.4/47

All: 0.005+/-0.000 χ^2/NDF : 6987779.9/97

- sign 0.005+/-0.000 χ^2/NDF : 3550717.6/49

yield_bpm0i01aY_mean vs Slug



Right In: 1.423+/-0.000 χ^2/NDF : 174088441888.7/22

Left Out: 2.537+/-0.000 χ^2/NDF : 269554948115.3/24

Right Out: 1.457+/-0.000 χ^2/NDF : 176661707479.4/26

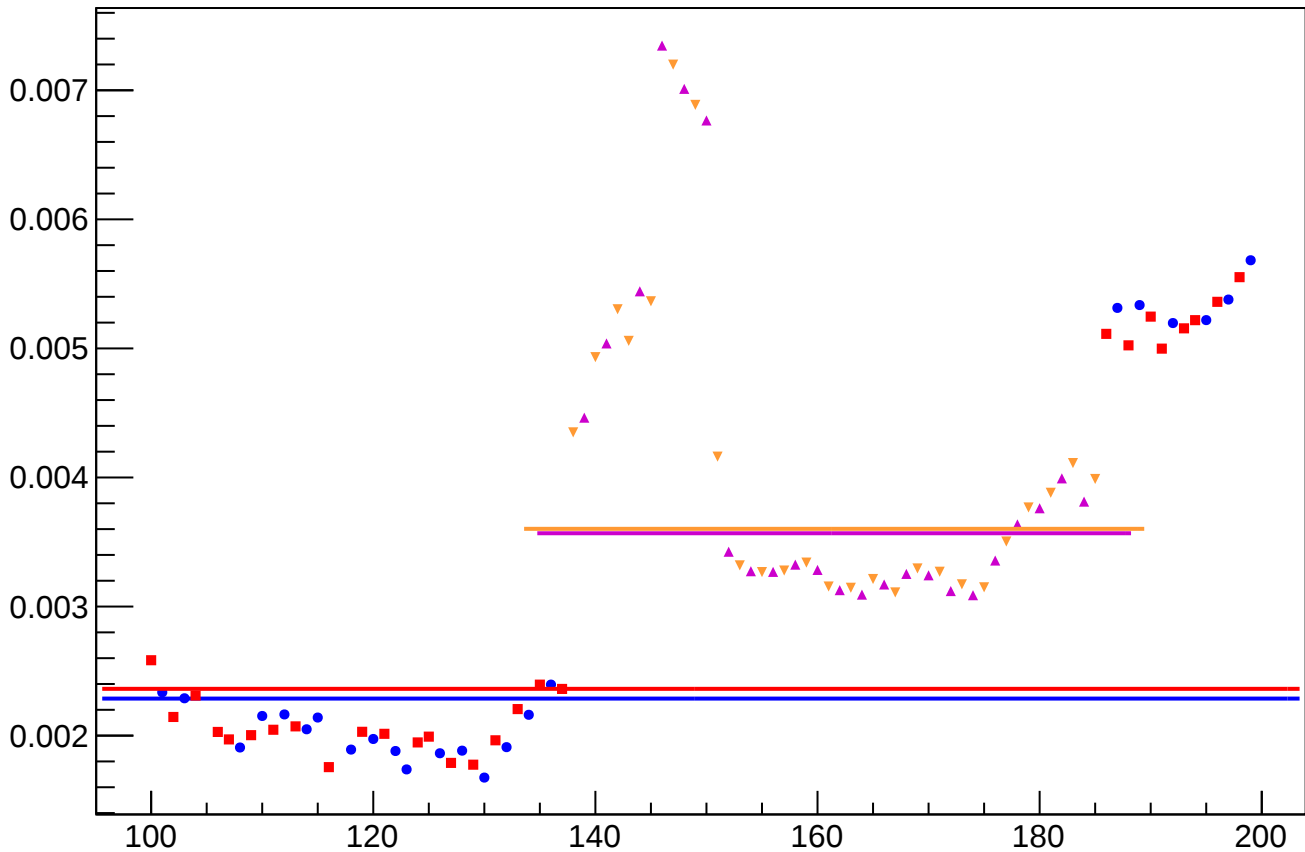
Left In: 2.564+/-0.000 χ^2/NDF : 260287937727.8/22

+ sign 1.911+/-0.000 χ^2/NDF : 1340950267338.1/47

All: 1.912+/-0.000 χ^2/NDF : 2663115862848.

- sign 1.912+/-0.000 χ^2/NDF : 1322163331324.7/49

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2935997.9/22

Left Out: 0.004+/-0.000 χ^2/NDF :1410717.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 3471178.7/26

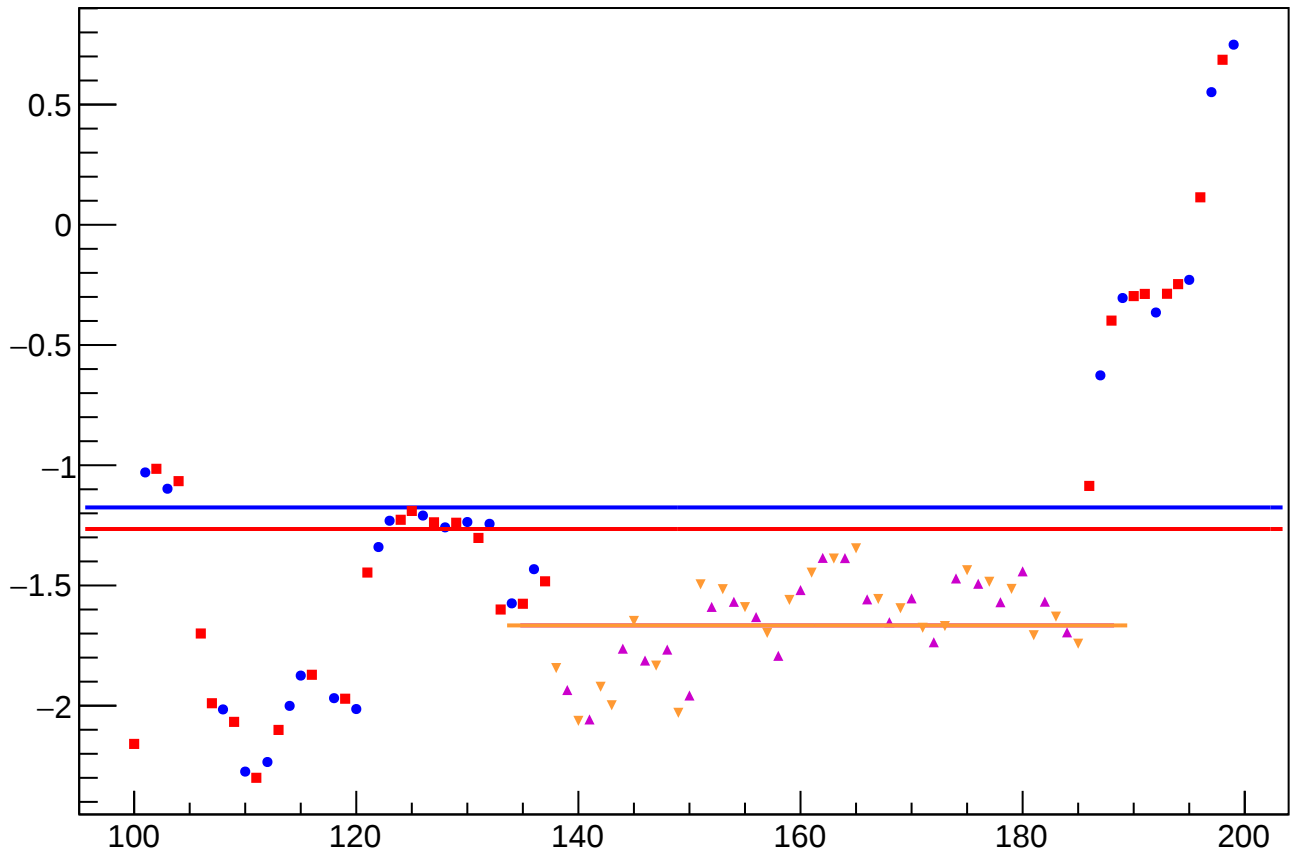
Left In: 0.004+/-0.000 χ^2/NDF :1563028.0/22

+ sign 0.003+/-0.000 χ^2/NDF : 6851580.3/47

All: 0.003+/-0.000 χ^2/NDF : 13983956.6/97

- sign 0.003+/-0.000 χ^2/NDF : 7132305.7/49

yield_bpm0l01X_mean vs Slug



Right In: -1.175+/-0.000 χ^2/NDF : 99517258272.1/22

Left Out: -1.666+/-0.000 χ^2/NDF : 18325162131.2/24

Right Out: -1.265+/-0.000 χ^2/NDF : 119639822007.3/26

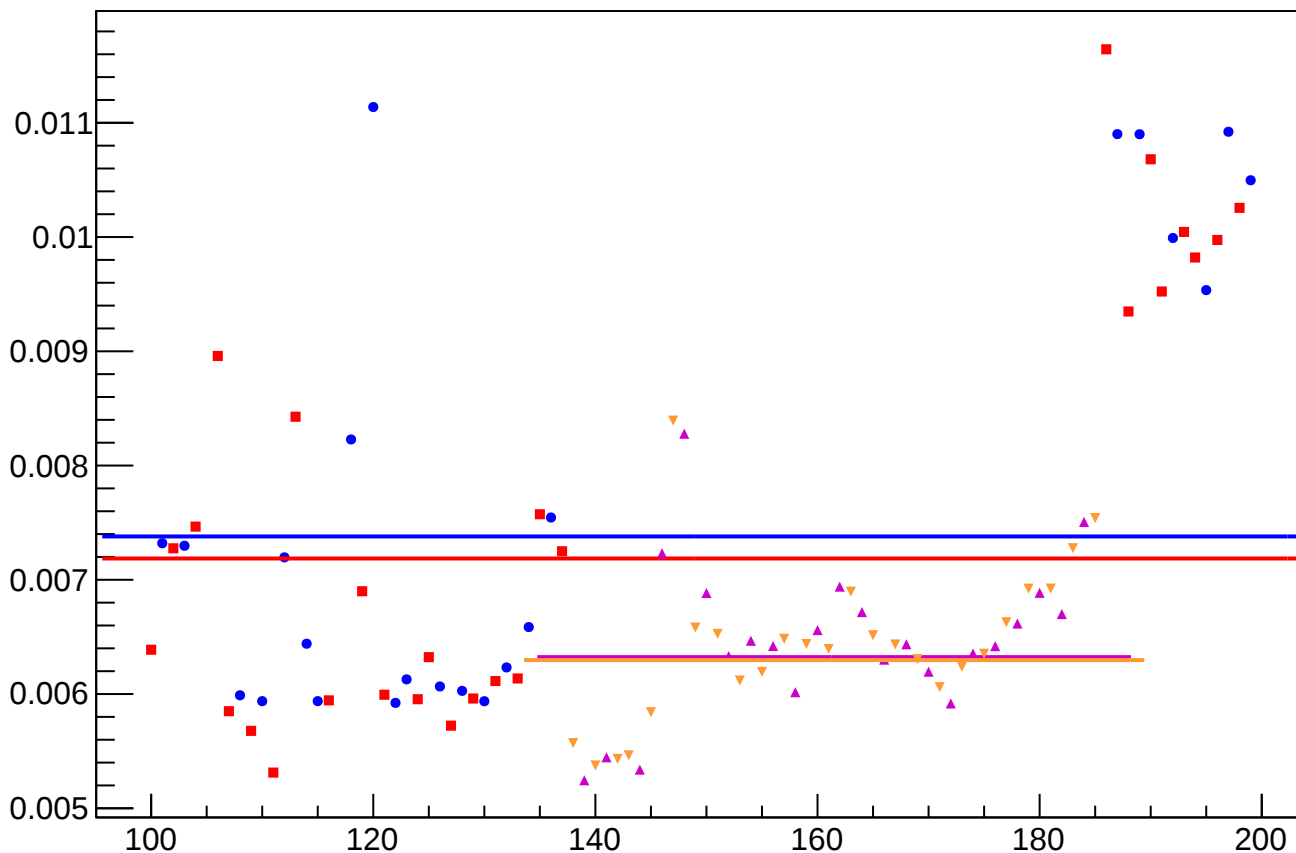
Left In: -1.666+/-0.000 χ^2/NDF : 14292570816.9/22

+ sign -1.527+/-0.000 χ^2/NDF : 147935766063.7/47

All: -1.528+/-0.000 χ^2/NDF : 304368504234.8

- sign -1.529+/-0.000 χ^2/NDF : 156431132488.1/49

yield_bpm0l01X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 1009497.1/22

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:310757.0/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 1253296.5/26

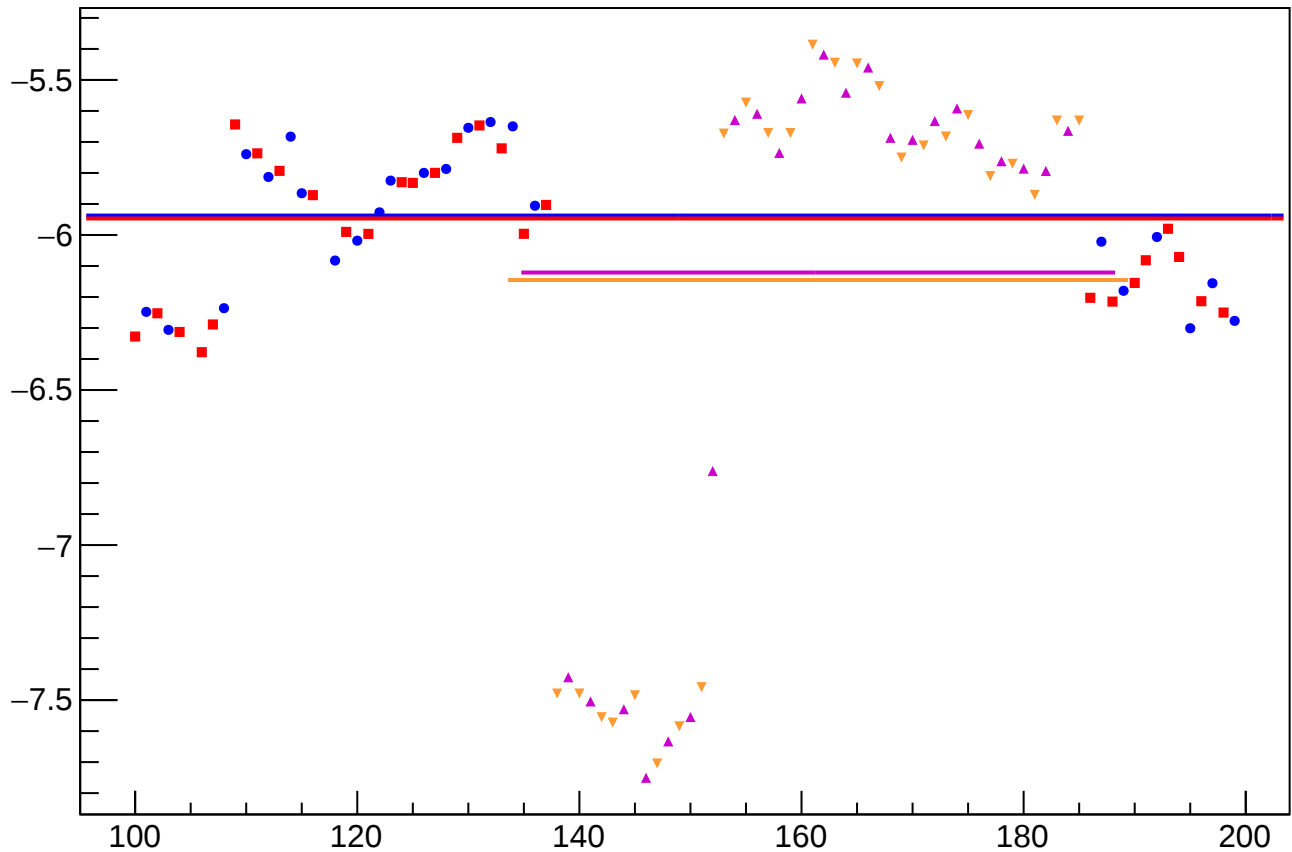
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:330859.7/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1612990.7/47

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 3405841.5/97

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1792734.4/49

yield_bpm0l01Y_mean vs Slug



Right In: -5.937+/-0.000 χ^2/NDF : 12848430824.7/22

Left Out: -6.145+/-0.000 χ^2/NDF : 185364150237.7/24

Right Out: -5.947+/-0.000 χ^2/NDF : 14459643462.6/26

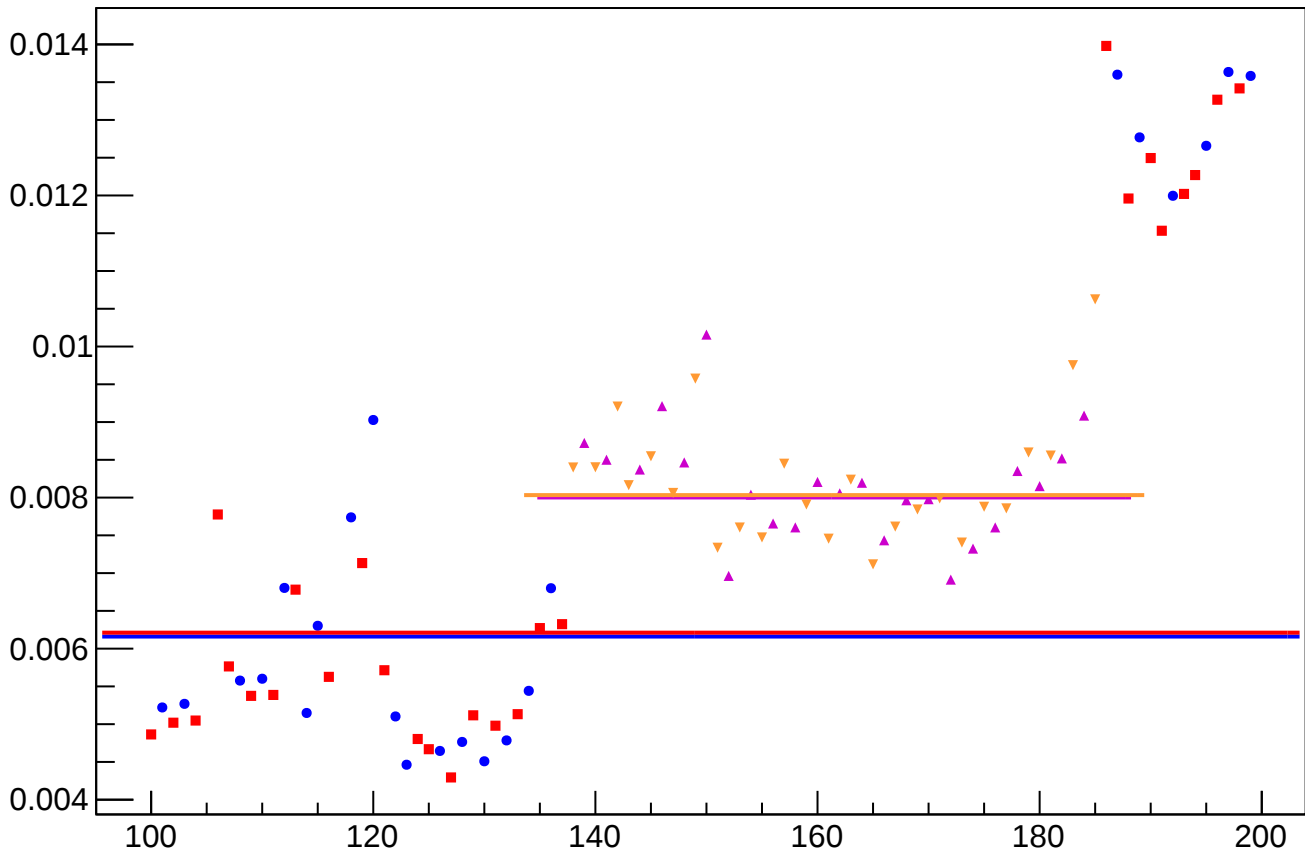
Left In: -6.121+/-0.000 χ^2/NDF : 158315913062.3/22

+ sign -6.048+/-0.000 χ^2/NDF : 203389412727.2/47

All: -6.040+/-0.000 χ^2/NDF : 380019277764.4

- sign -6.033+/-0.000 χ^2/NDF : 176571022042.4/49

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 2683805.6/22

Left Out: 0.008+/-0.000 χ^2/NDF :205762.2/24

Right Out: 0.006+/-0.000 χ^2/NDF : 3080168.9/26

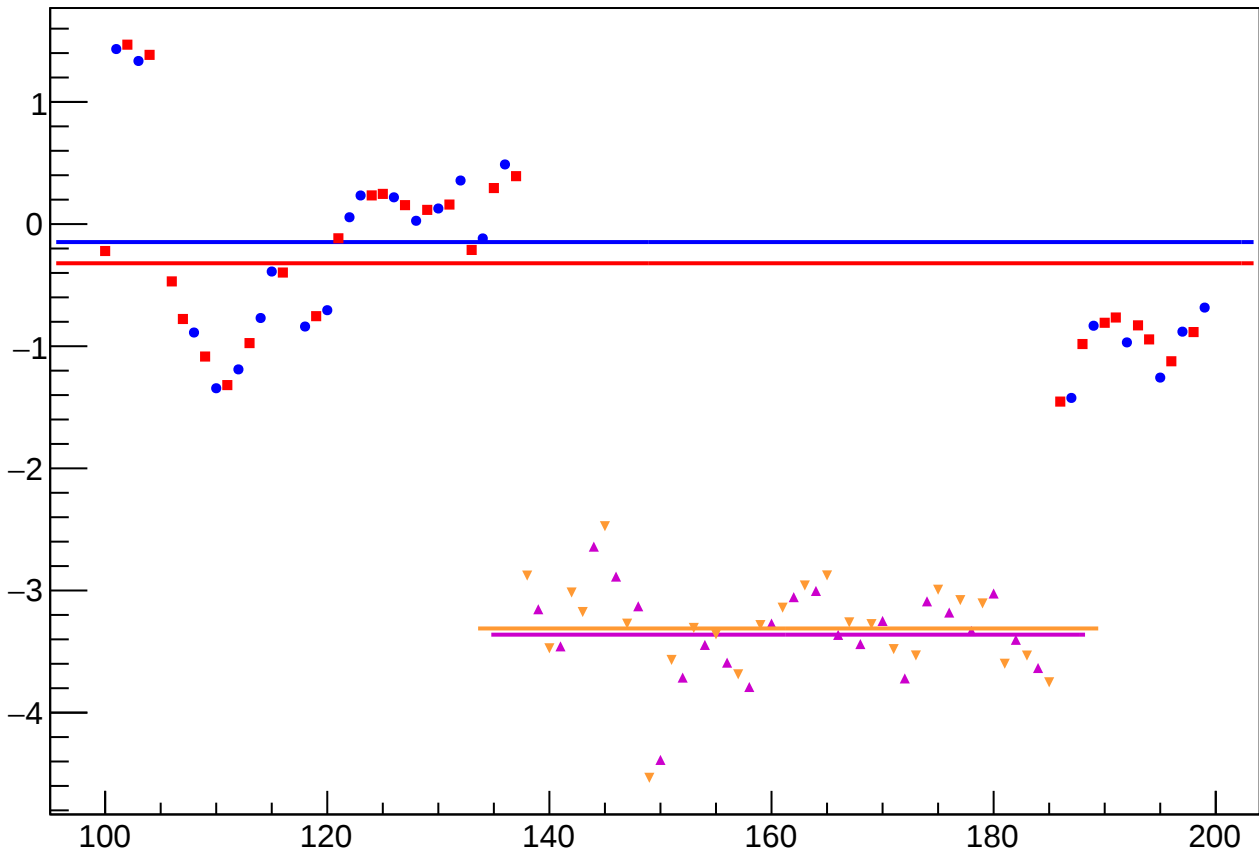
Left In: 0.008+/-0.000 χ^2/NDF :220756.1/22

+ sign 0.007+/-0.000 χ^2/NDF : 3730569.2/47

All: 0.007+/-0.000 χ^2/NDF : 7834271.9/97

- sign 0.007+/-0.000 χ^2/NDF : 4101647.2/49

yield_bpm0l02X_mean vs Slug



Right In: -0.147 ± 0.000 χ^2/NDF : 28013809054.8/22

Left Out: -3.311 ± 0.000 χ^2/NDF : 9354397456.2/24

Right Out: -0.321 ± 0.000 χ^2/NDF : 30749688363.3/26

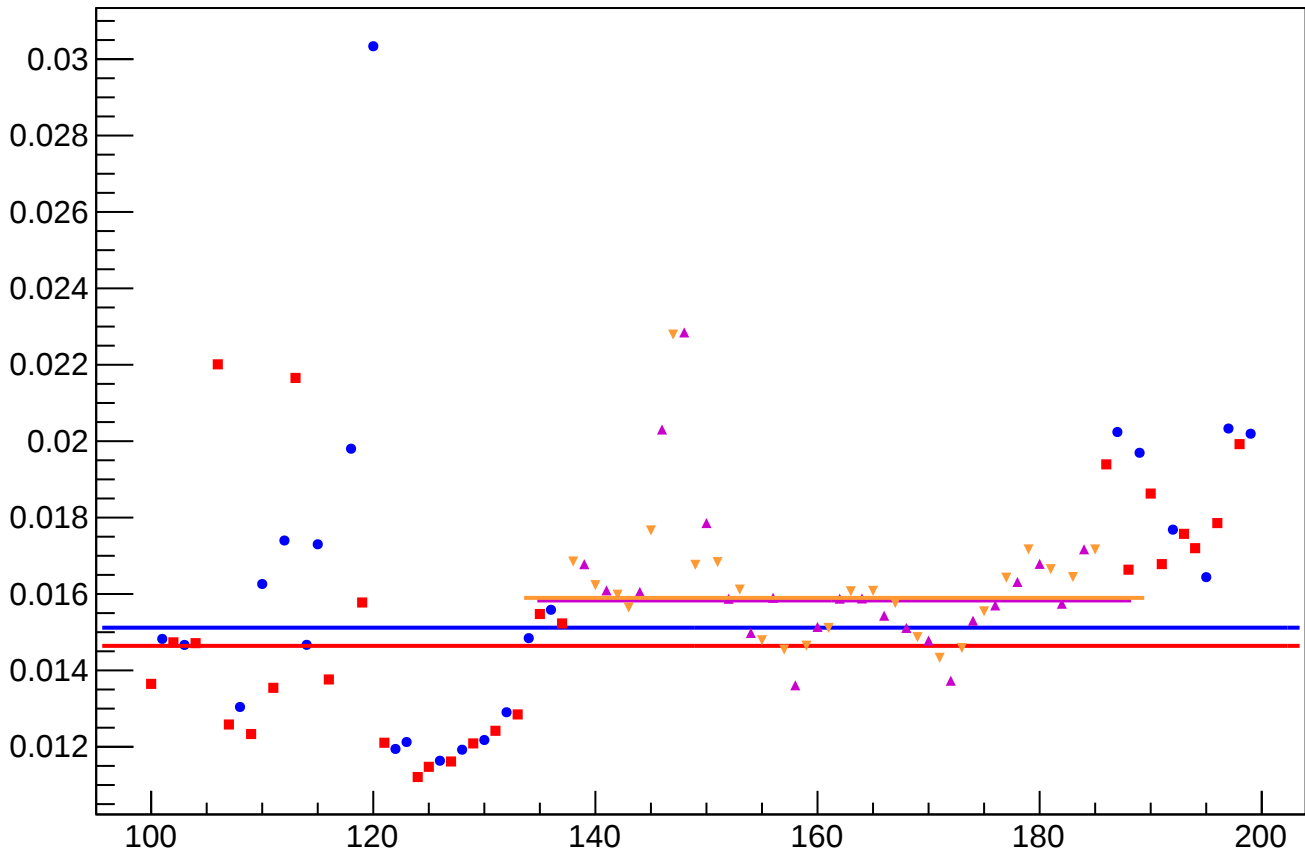
Left In: -3.362 ± 0.000 χ^2/NDF : 8171803777.4/22

+ sign -2.130 ± 0.000 χ^2/NDF : 298729821288.2/47

All: -2.077 ± 0.000 χ^2/NDF : 606966893603.0

- sign -2.028 ± 0.000 χ^2/NDF : 307644950853.6/49

yield_bpm0l02X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 804848.2/22

Left Out: 0.016+/-0.000 χ^2/NDF :251912.7/24

Right Out: 0.015+/-0.000 χ^2/NDF : 767537.9/26

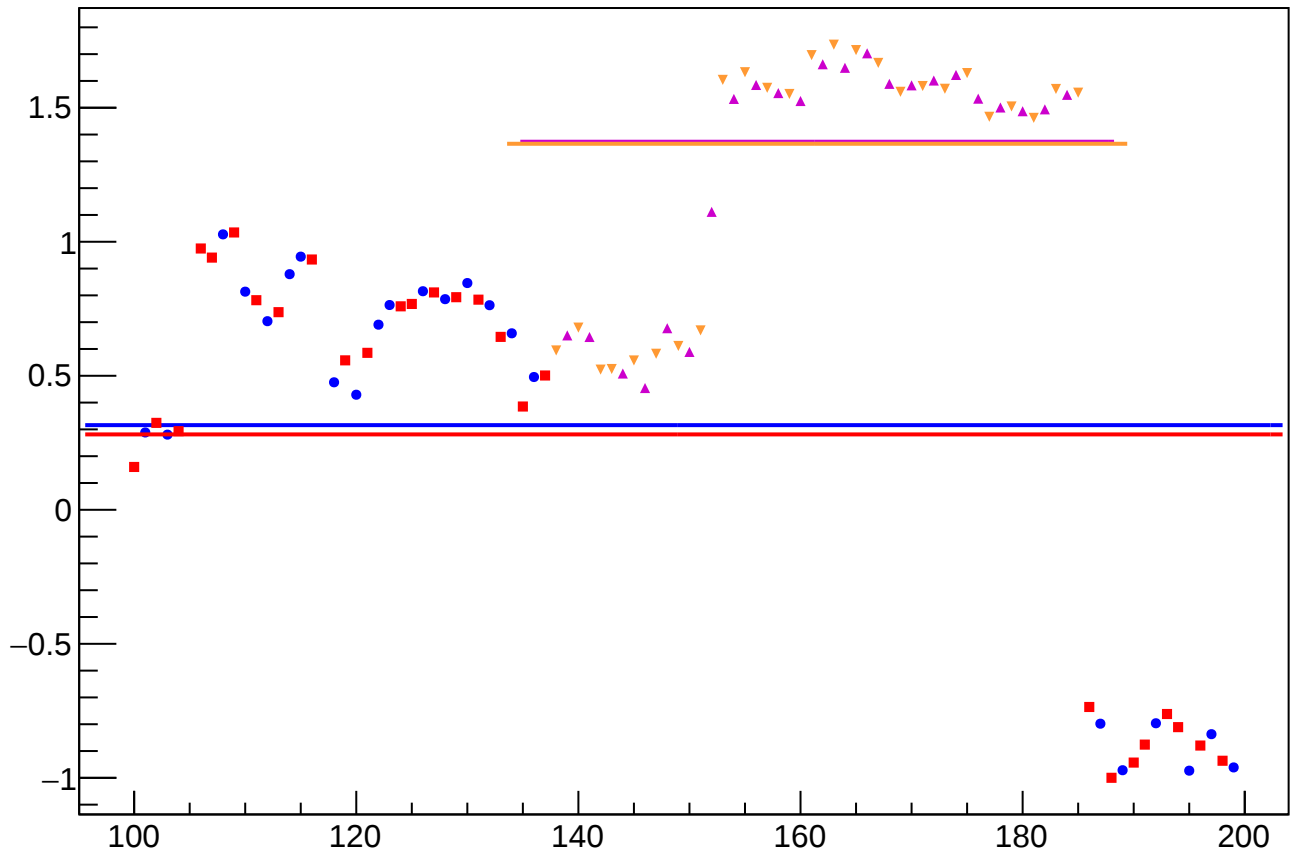
Left In: 0.016+/-0.000 χ^2/NDF :339542.1/22

+ sign 0.016+/-0.000 χ^2/NDF : 1088548.1/47

All: 0.015+/-0.000 χ^2/NDF : 2287896.8/97

- sign 0.015+/-0.000 χ^2/NDF : 1189183.1/49

yield_bpm0l02Y_mean vs Slug



Right In: 0.316 $\pm$ 0.000 χ^2 /NDF: 48949527166.6/22

Left Out: 1.366 $\pm$ 0.000 χ^2 /NDF: 74741956067.9/24

Right Out: 0.281 $\pm$ 0.000 χ^2 /NDF: 62922040085.6/26

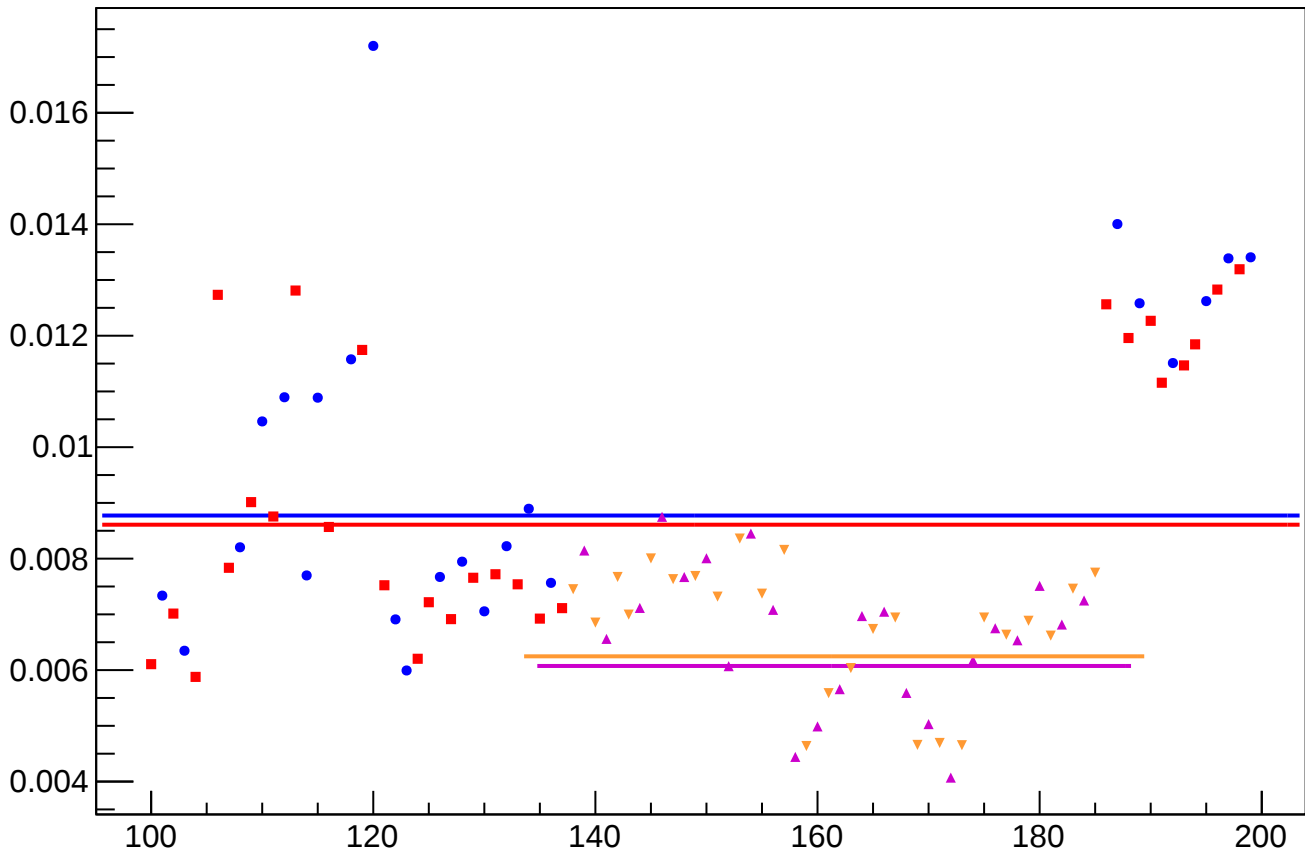
Left In: 1.373 $\pm$ 0.000 χ^2 /NDF: 63413151416.3/22

+ sign 1.137 $\pm$ 0.000 χ^2 /NDF: 225975079005.8/47

All: 1.119 $\pm$ 0.000 χ^2 /NDF: 479146802180.7

- sign 1.102 $\pm$ 0.000 χ^2 /NDF: 252836156241.6/49

yield_bpm0l02Y_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 1377584.3/22

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1330867.5/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 1540468.4/26

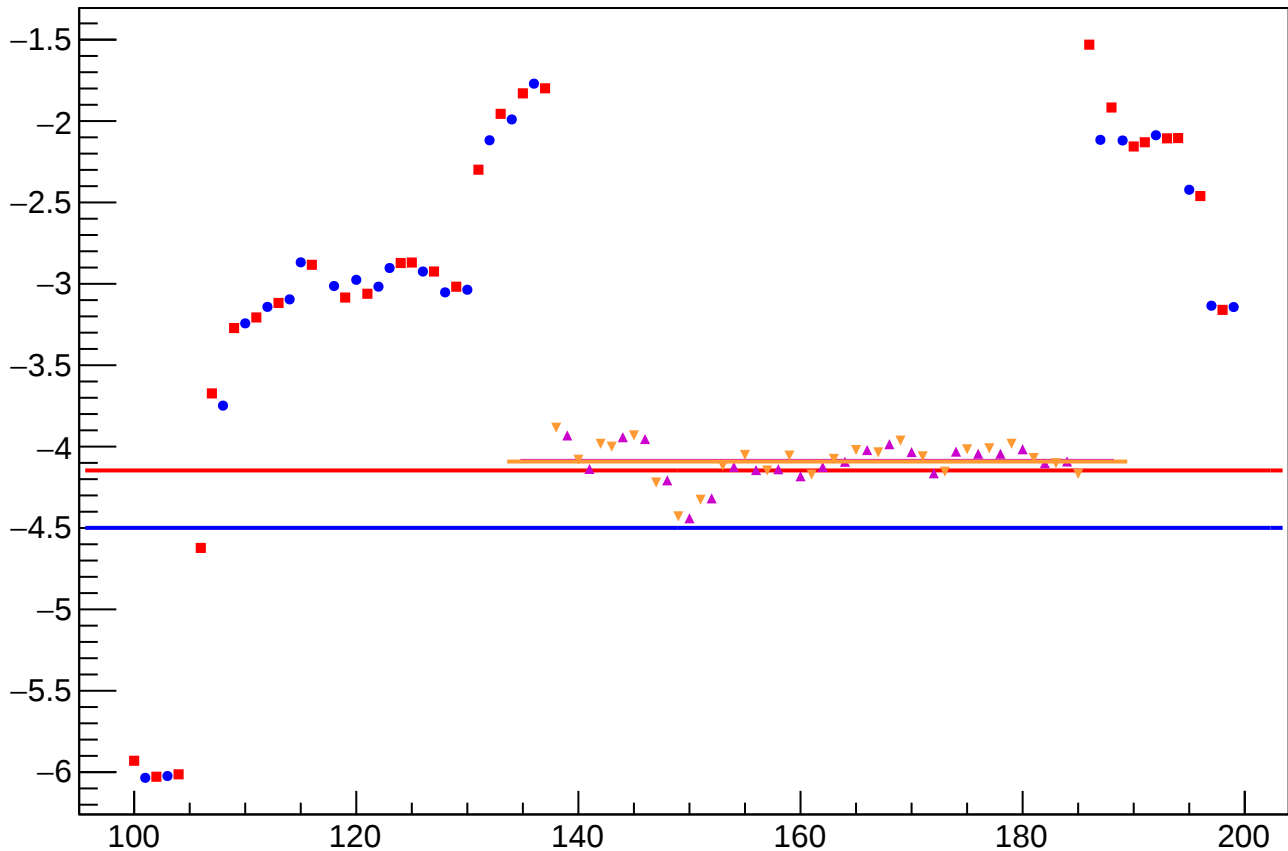
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1431986.5/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3893383.0/47

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 8234158.4/97

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4335840.9/49

yield_bpm0l03X_mean vs Slug



Right In: -4.499+/-0.000 χ^2/NDF : 243557041014.7/22

Left Out: -4.092+/-0.000 χ^2/NDF : 39806766.7/24

Right Out: -4.146+/-0.000 χ^2/NDF : 264551900412.2/26

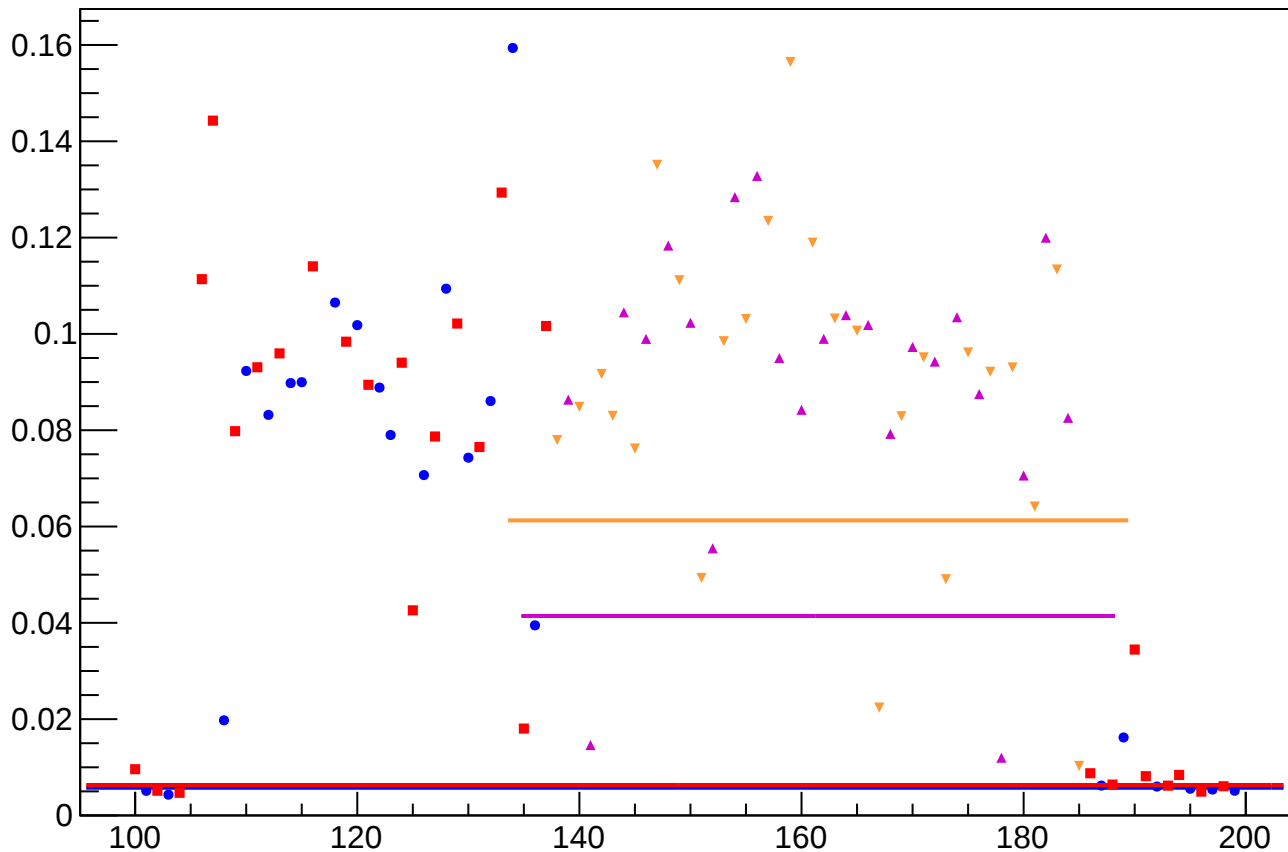
Left In: -4.088+/-0.000 χ^2/NDF : 34412880.7/22

+ sign -4.486+/-0.000 χ^2/NDF : 244070600546.5/47

All: -4.324+/-0.000 χ^2/NDF : 513559730998.8

- sign -4.143+/-0.000 χ^2/NDF : 264600246127.4/49

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 8007108.1/22

Left Out: 0.061 $\pm$ 0.000 χ^2 /NDF:8355266.0/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 8745660.0/26

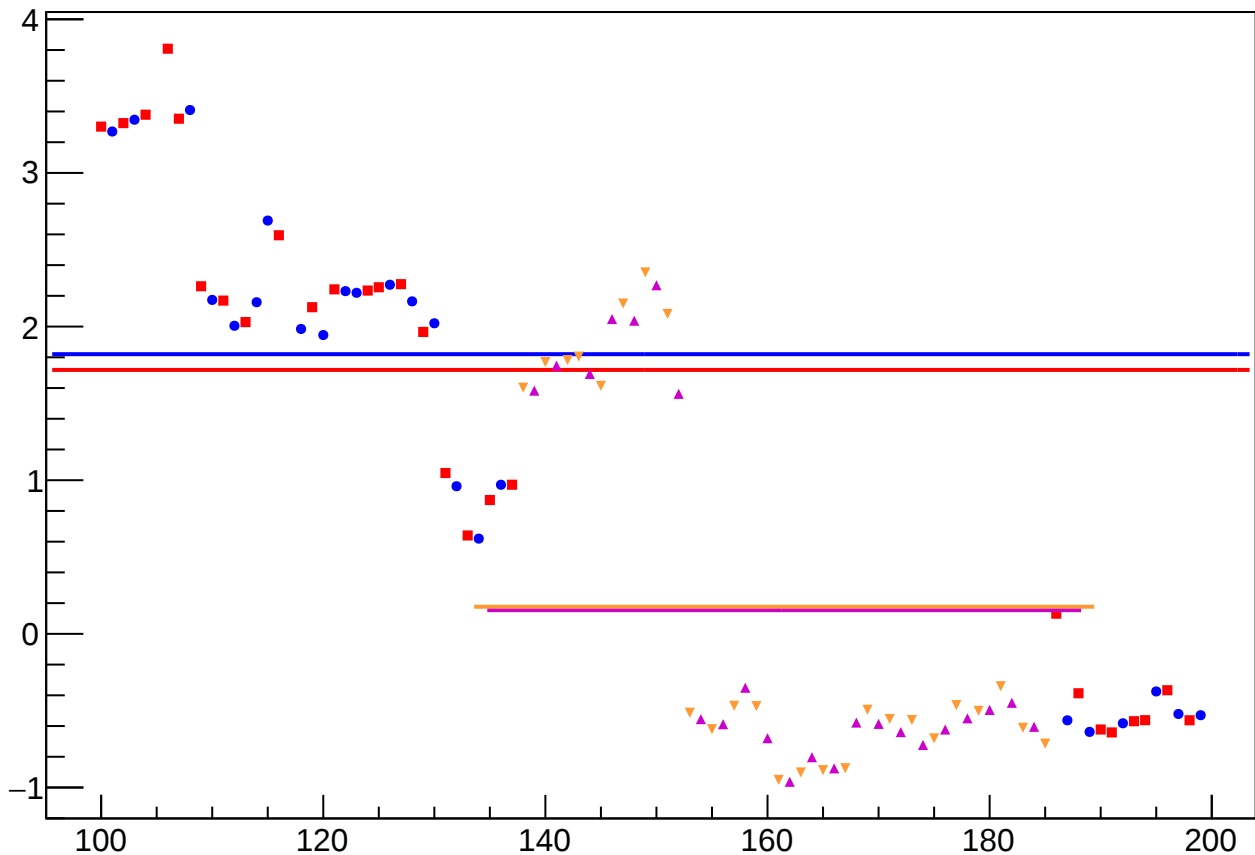
Left In: 0.041 $\pm$ 0.000 χ^2 /NDF:13124468.7/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 33959454.2/47

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 65799827.8/97

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 31808539.1/49

yield_bpm0l03Y_mean vs Slug



Right In: 1.820 $\pm$ 0.000 χ^2 /NDF: 159005763929.2/22

Left Out: 0.177 $\pm$ 0.000 χ^2 /NDF: 3275313367.7/24

Right Out: 1.718 $\pm$ 0.000 χ^2 /NDF: 159269401104.0/26

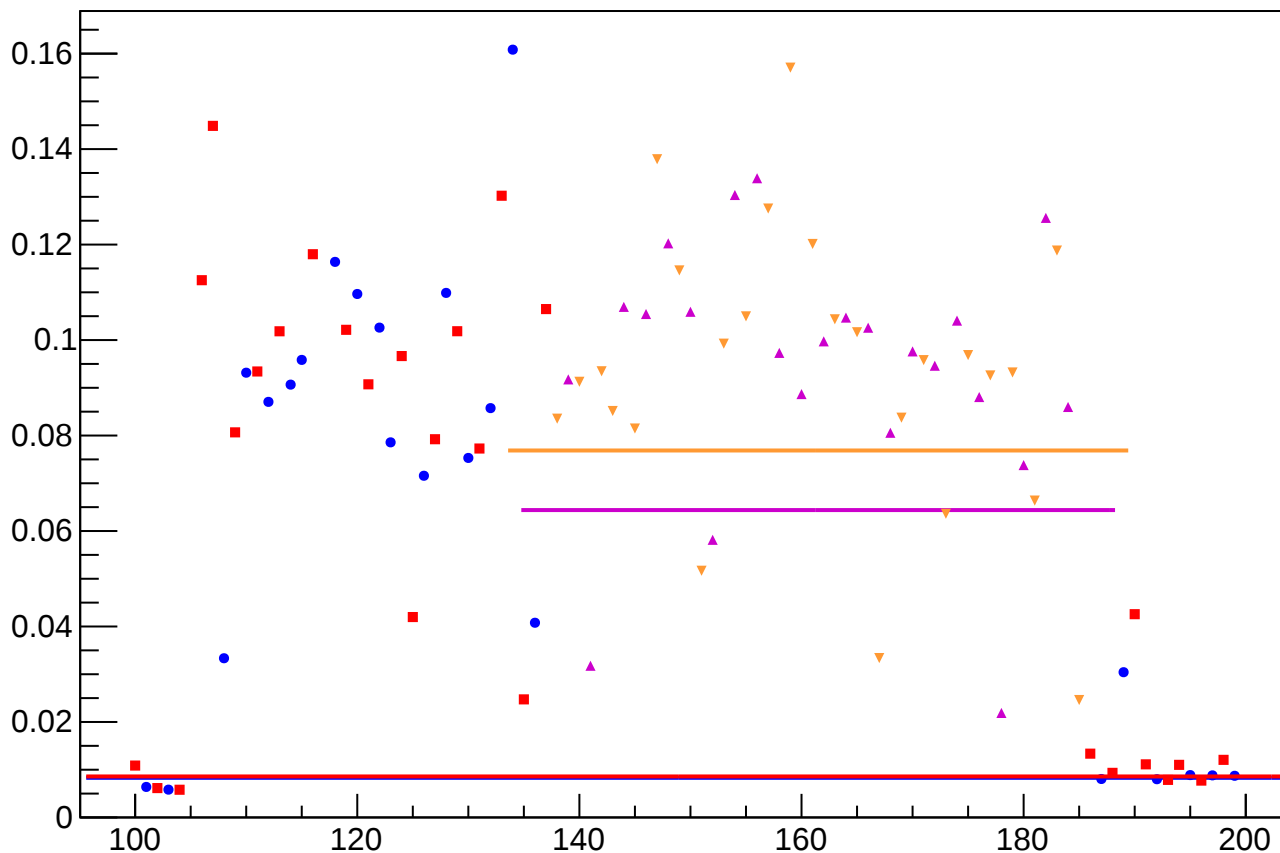
Left In: 0.154 $\pm$ 0.000 χ^2 /NDF: 3163553595.0/22

+ sign 1.744 $\pm$ 0.000 χ^2 /NDF: 168122492722.1/47

All: 1.689 $\pm$ 0.000 χ^2 /NDF: 336816493852.6

- sign 1.634 $\pm$ 0.000 χ^2 /NDF: 168401871583.6/49

yield_bpm0l03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7899540.0/22

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF: 4217954.3/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 8629590.4/26

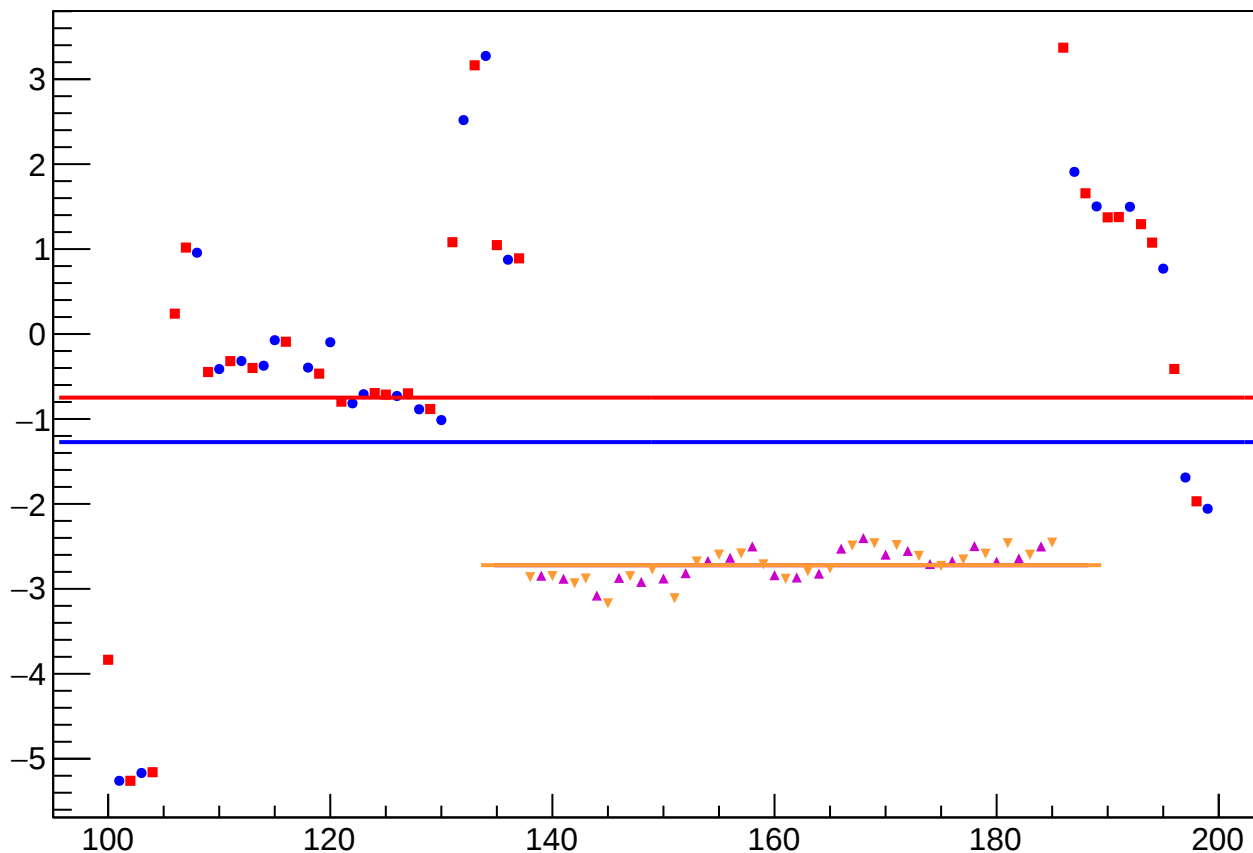
Left In: 0.064 $\pm$ 0.000 χ^2 /NDF: 6990231.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 32440510.2/47

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 63264835.0/97

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 30824052.2/49

yield_bpm0l04X_mean vs Slug



Right In: -1.272 ± 0.000 χ^2/NDF : 202662913750.6/22

Left Out: -2.721 ± 0.000 χ^2/NDF : 10397156971.6/24

Right Out: -0.749 ± 0.000 χ^2/NDF : 228203923105.0/26

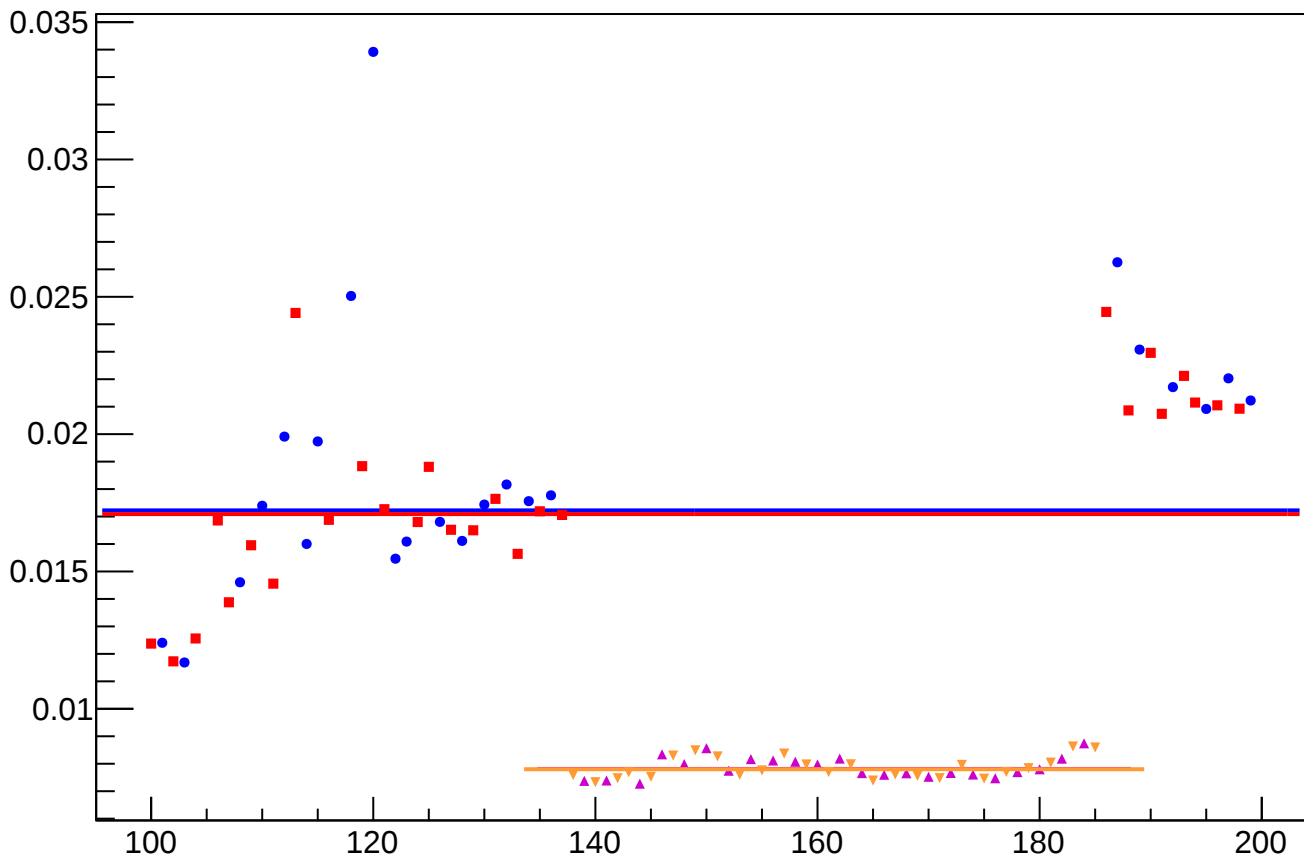
Left In: -2.722 ± 0.000 χ^2/NDF : 8146484592.1/22

+ sign -2.582 ± 0.000 χ^2/NDF : 271898660487.2/47

All: -2.535 ± 0.000 χ^2/NDF : 636598360499.4

- sign -2.487 ± 0.000 χ^2/NDF : 363281064295.8/49

yield_bpm0l04X_rms vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 1037185.0/22

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 71164.4/24

Right Out: 0.017 $\pm$ 0.000 χ^2 /NDF: 933662.1/26

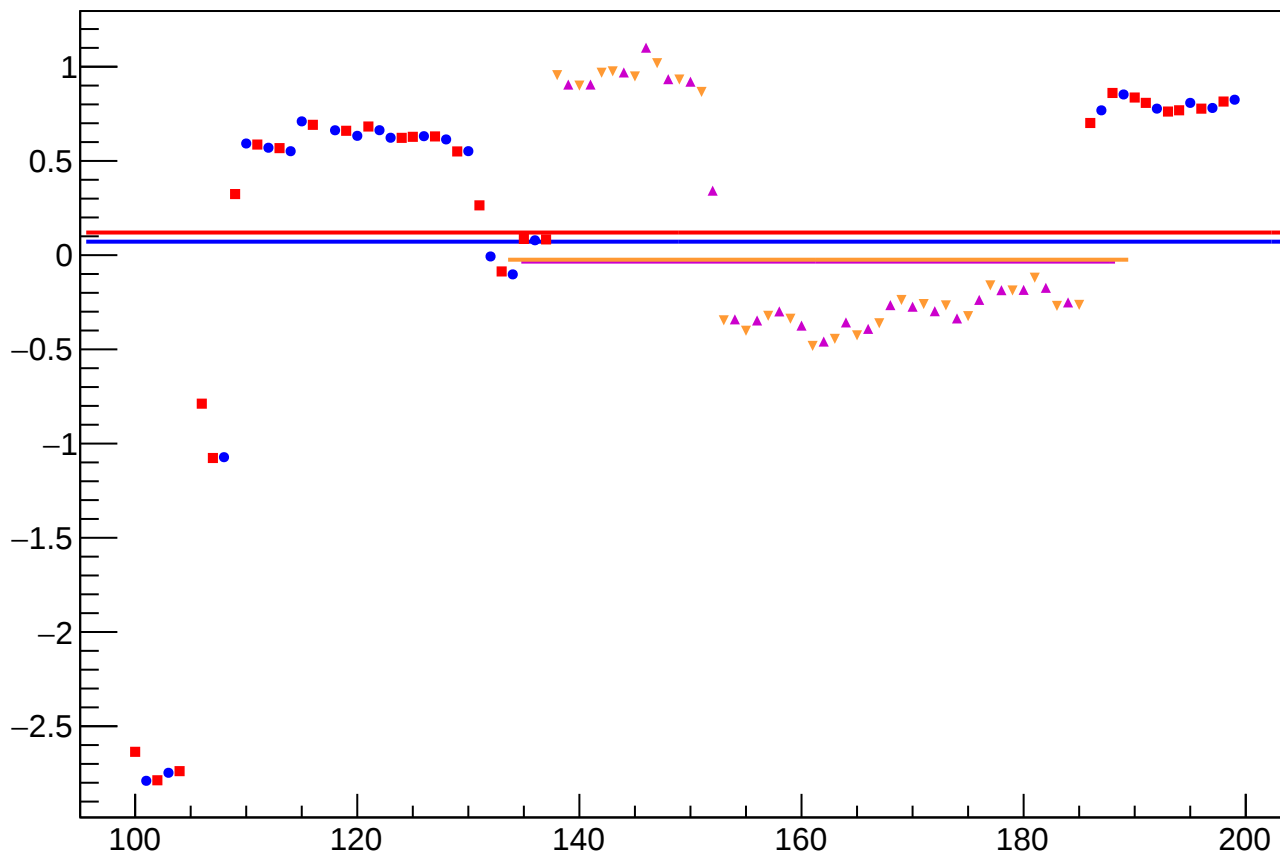
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 67610.2/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 6085745.6/47

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 12712875.0/97

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 6613516.8/49

yield_bpm0l04Y_mean vs Slug



Right In: 0.072 $\pm$ 0.000 χ^2 /NDF: 816844013997.9/22

Left Out: -0.024 $\pm$ 0.000 χ^2 /NDF: 135451649275.0/24

Right Out: 0.120 $\pm$ 0.000 χ^2 /NDF: 888325996402.9/26

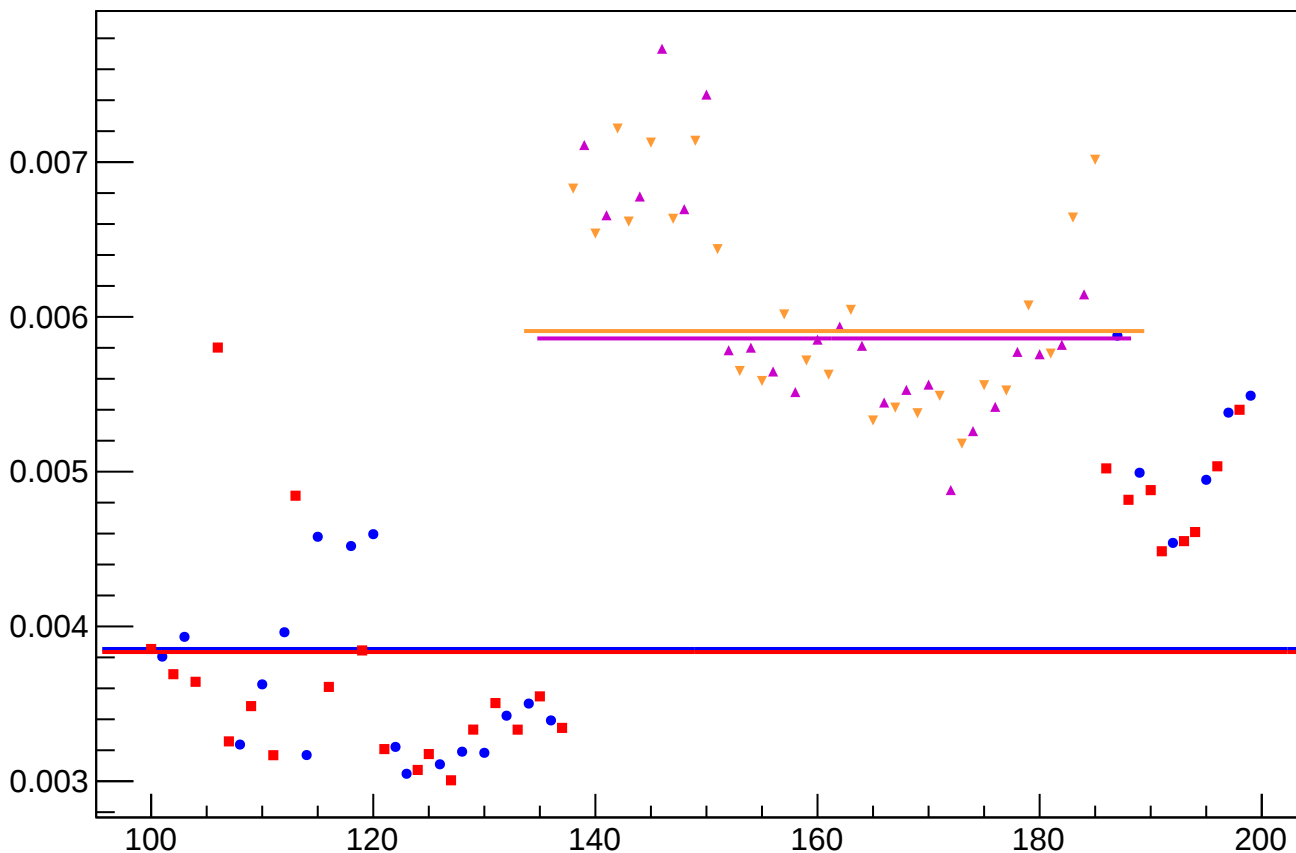
Left In: -0.034 $\pm$ 0.000 χ^2 /NDF: 113929060918.1/22

+ sign 0.031 $\pm$ 0.000 χ^2 /NDF: 954849112785.9/47

All: 0.047 $\pm$ 0.000 χ^2 /NDF: 1964547327797.

- sign 0.062 $\pm$ 0.000 χ^2 /NDF: 1009148980218.5/49

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 752607.3/22

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:314309.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 820917.9/26

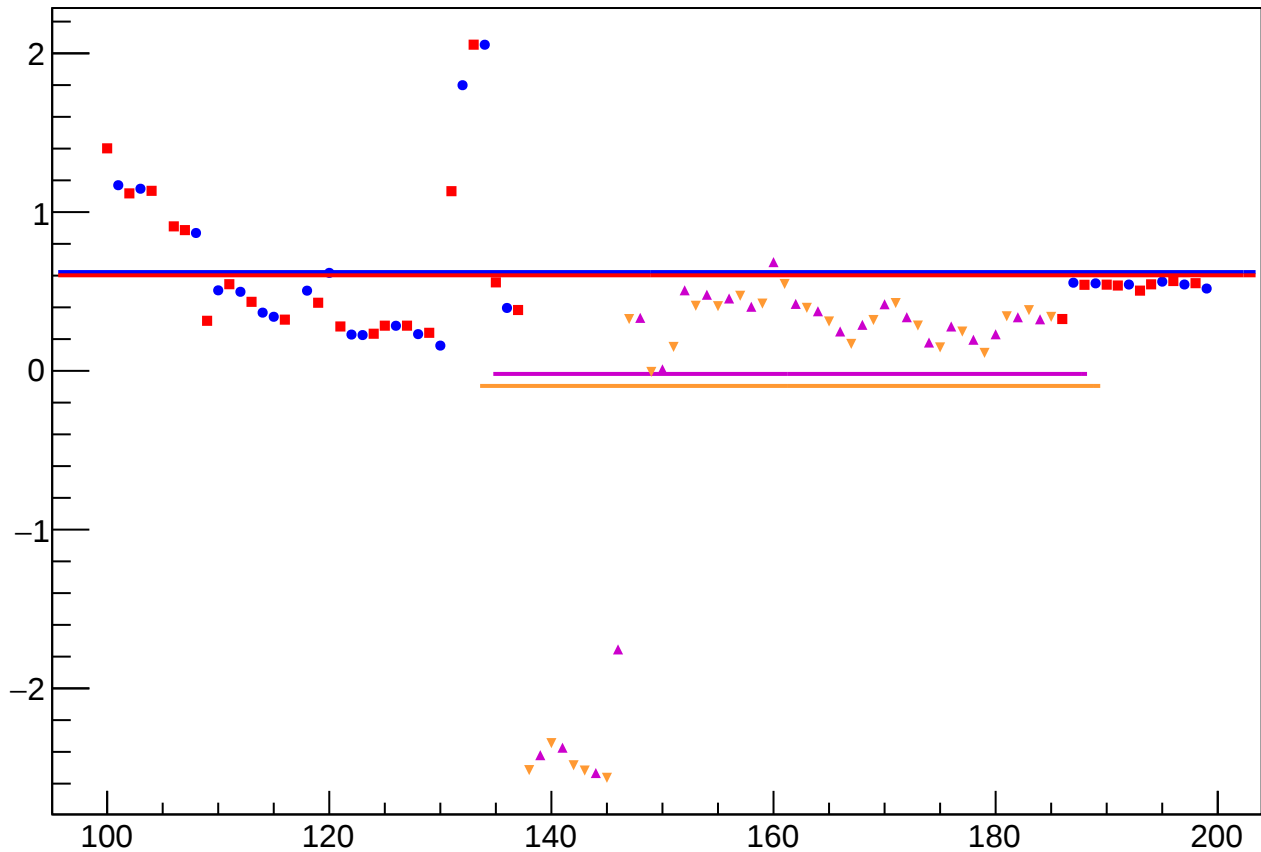
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:364512.1/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3419199.7/47

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 6996278.8/97

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3559948.0/49

yield_bpm0l05X_mean vs Slug



Right In: 0.622 $\pm$ 0.000 χ^2 /NDF: 39945445203.5/22

Left Out: -0.095 $\pm$ 0.000 χ^2 /NDF: 505606573631.9/24

Right Out: 0.602 $\pm$ 0.000 χ^2 /NDF: 45390867299.2/26

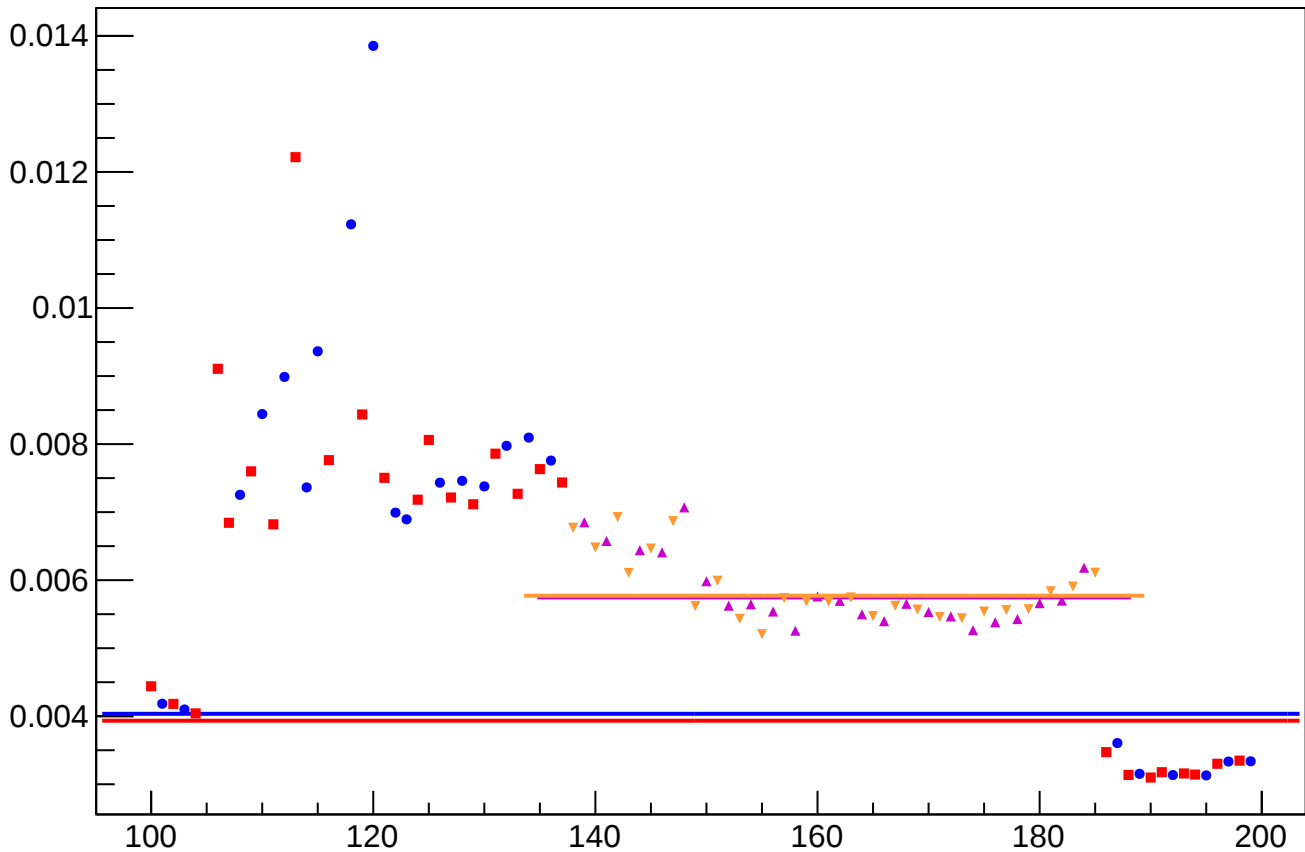
Left In: -0.019 $\pm$ 0.000 χ^2 /NDF: 417104863944.5/22

+ sign 0.261 $\pm$ 0.000 χ^2 /NDF: 676932639224.7/47

All: 0.296 $\pm$ 0.000 χ^2 /NDF: 1248459814759.

- sign 0.328 $\pm$ 0.000 χ^2 /NDF: 569069140249.6/49

yield_bpm0l05X_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 2987299.8/22

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:177680.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 3048821.7/26

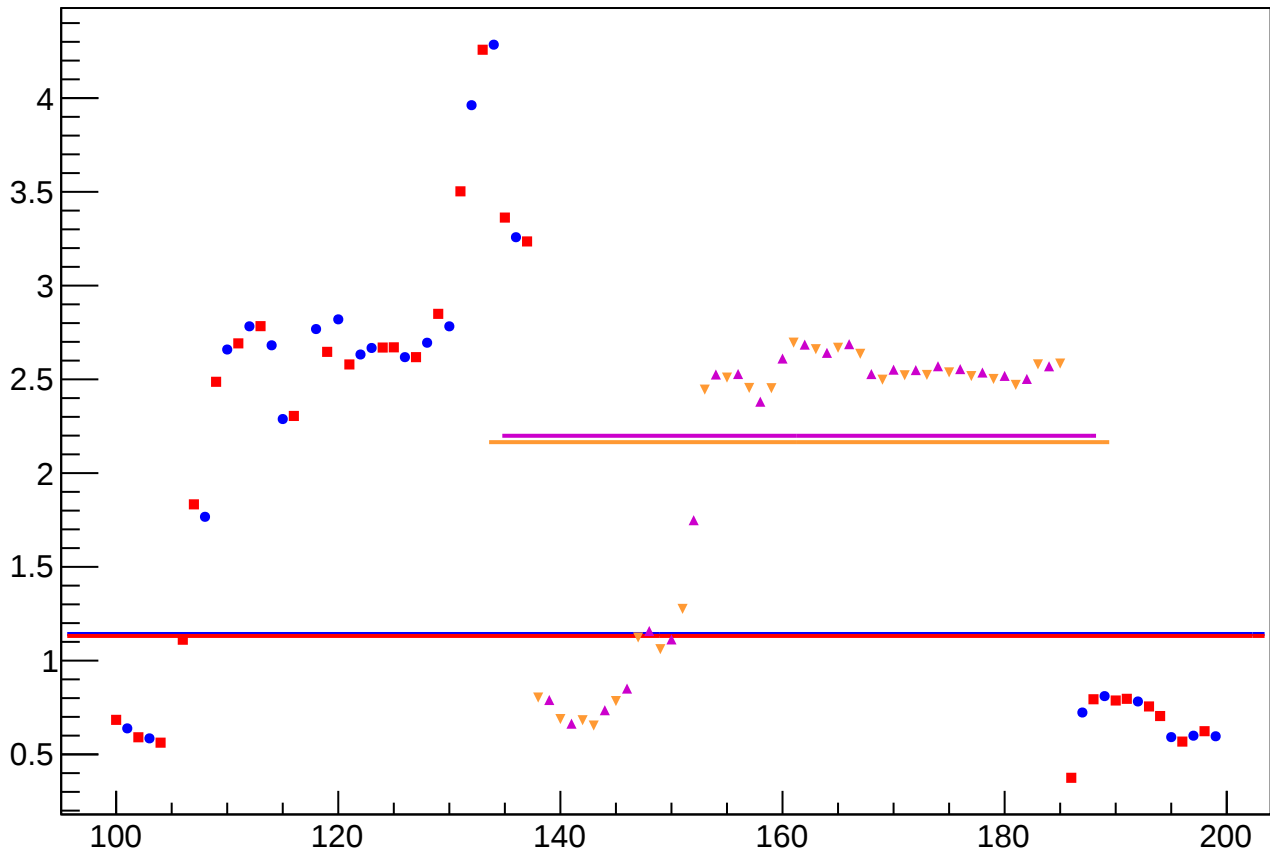
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:204066.4/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 4705275.4/47

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 9806639.3/97

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 5067050.2/49

yield_bpm0l05Y_mean vs Slug



Right In: 1.142 $\pm$ 0.000 χ^2 /NDF: 267511264314.5/22

Left Out: 2.165 $\pm$ 0.000 χ^2 /NDF: 292800056899.6/24

Right Out: 1.132 $\pm$ 0.000 χ^2 /NDF: 317423769203.6/26

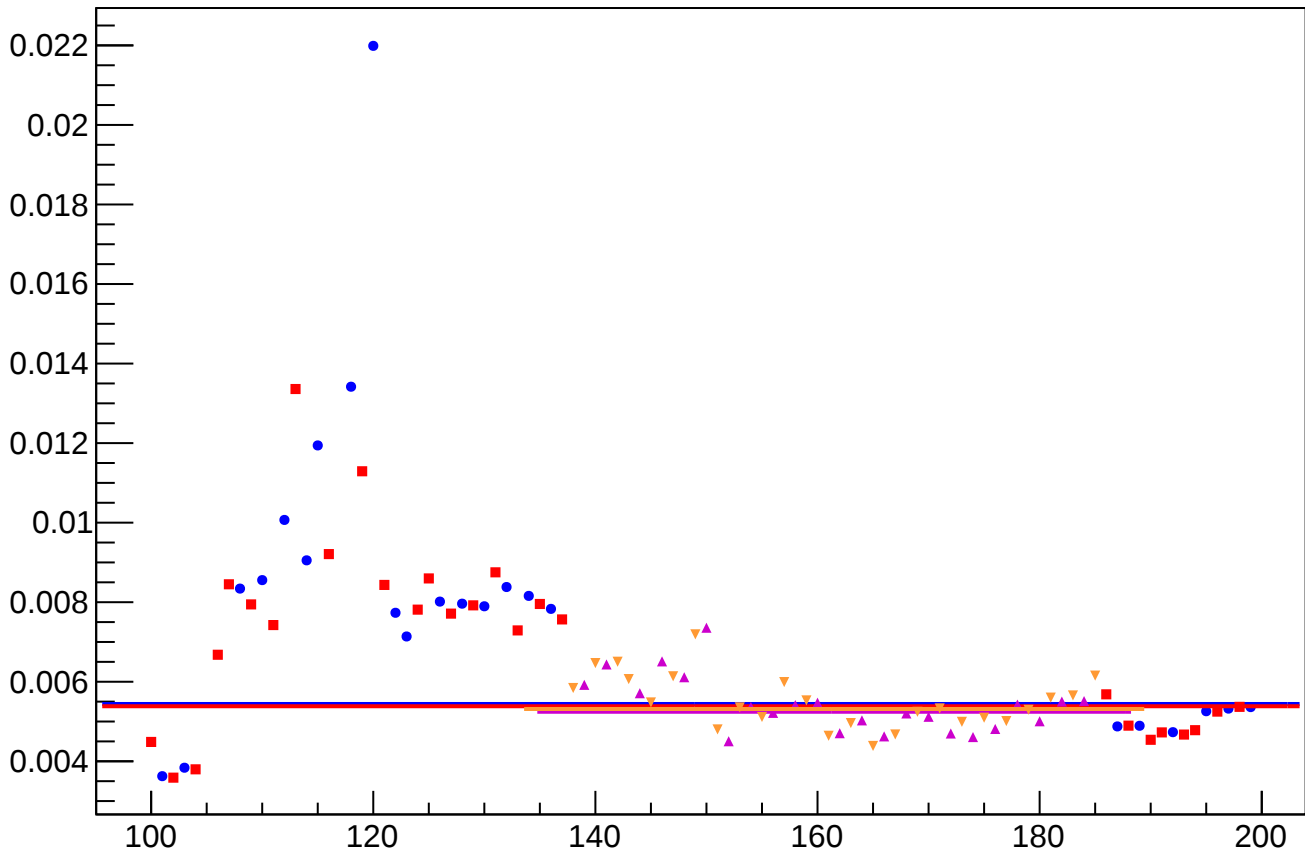
Left In: 2.199 $\pm$ 0.000 χ^2 /NDF: 253166239065.4/22

+ sign 1.828 $\pm$ 0.000 χ^2 /NDF: 763055571641.3/47

All: 1.811 $\pm$ 0.000 χ^2 /NDF: 1580939314761.3/47

- sign 1.795 $\pm$ 0.000 χ^2 /NDF: 817410200110.7/49

yield_bpm0l05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 2004704.0/22

Left Out: 0.005+/-0.000 χ^2/NDF : 398795.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1875945.6/26

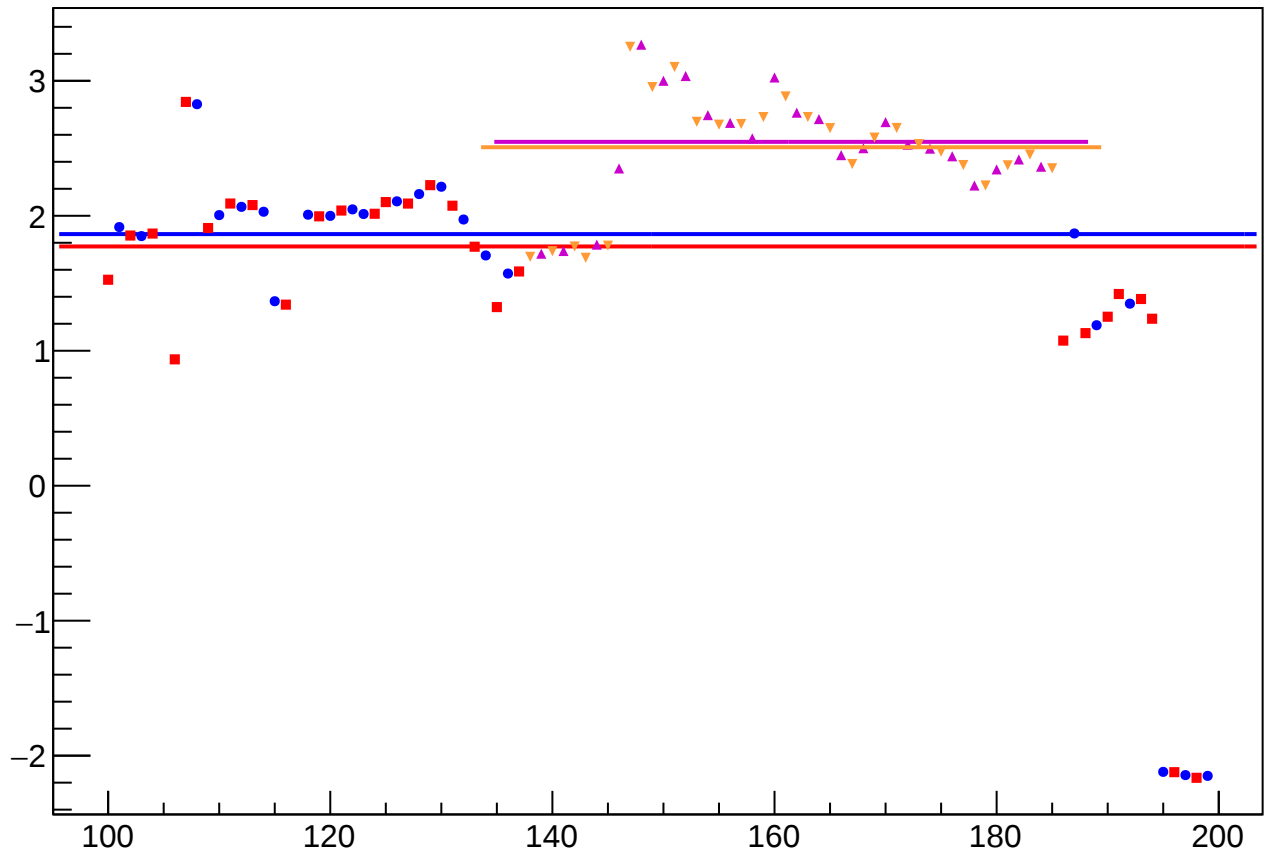
Left In: 0.005+/-0.000 χ^2/NDF : 425864.8/22

+ sign 0.005+/-0.000 χ^2/NDF : 2409625.3/47

All: 0.005+/-0.000 χ^2/NDF : 4722832.7/97

- sign 0.005+/-0.000 χ^2/NDF : 2310101.4/49

yield_bpm0l06X_mean vs Slug



Right In: 1.864 $\pm$ 0.000 χ^2 /NDF: 70031125849.9/22

Left Out: 2.508 $\pm$ 0.000 χ^2 /NDF: 52355332406.0/24

Right Out: 1.773 $\pm$ 0.000 χ^2 /NDF: 67283306752.3/26

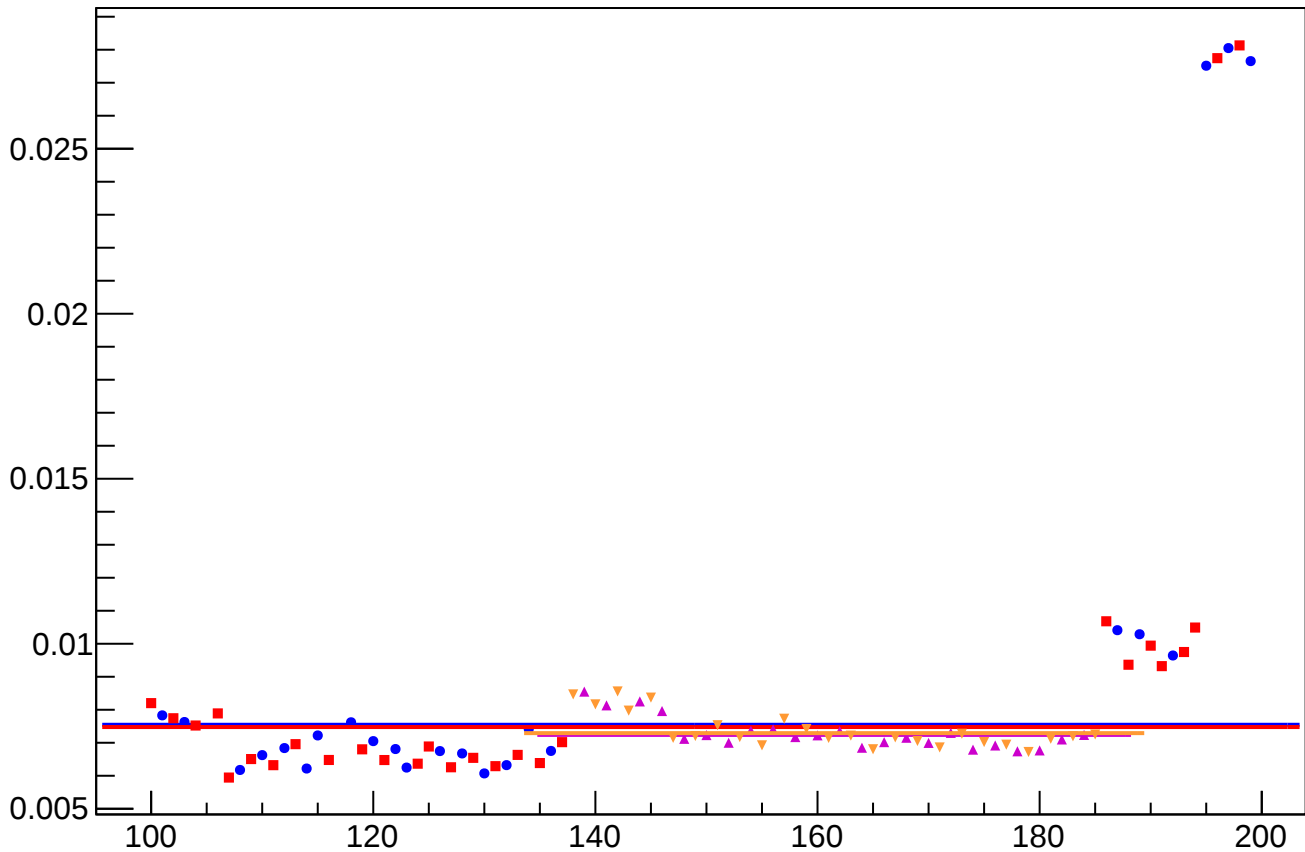
Left In: 2.548 $\pm$ 0.000 χ^2 /NDF: 45350336058.7/22

+ sign 2.302 $\pm$ 0.000 χ^2 /NDF: 165923427128.7/47

All: 2.280 $\pm$ 0.000 χ^2 /NDF: 349733192865.5

- sign 2.260 $\pm$ 0.000 χ^2 /NDF: 183373880730.0/49

yield_bpm0l06X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 2944536.4/22

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:140788.4/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 2387544.2/26

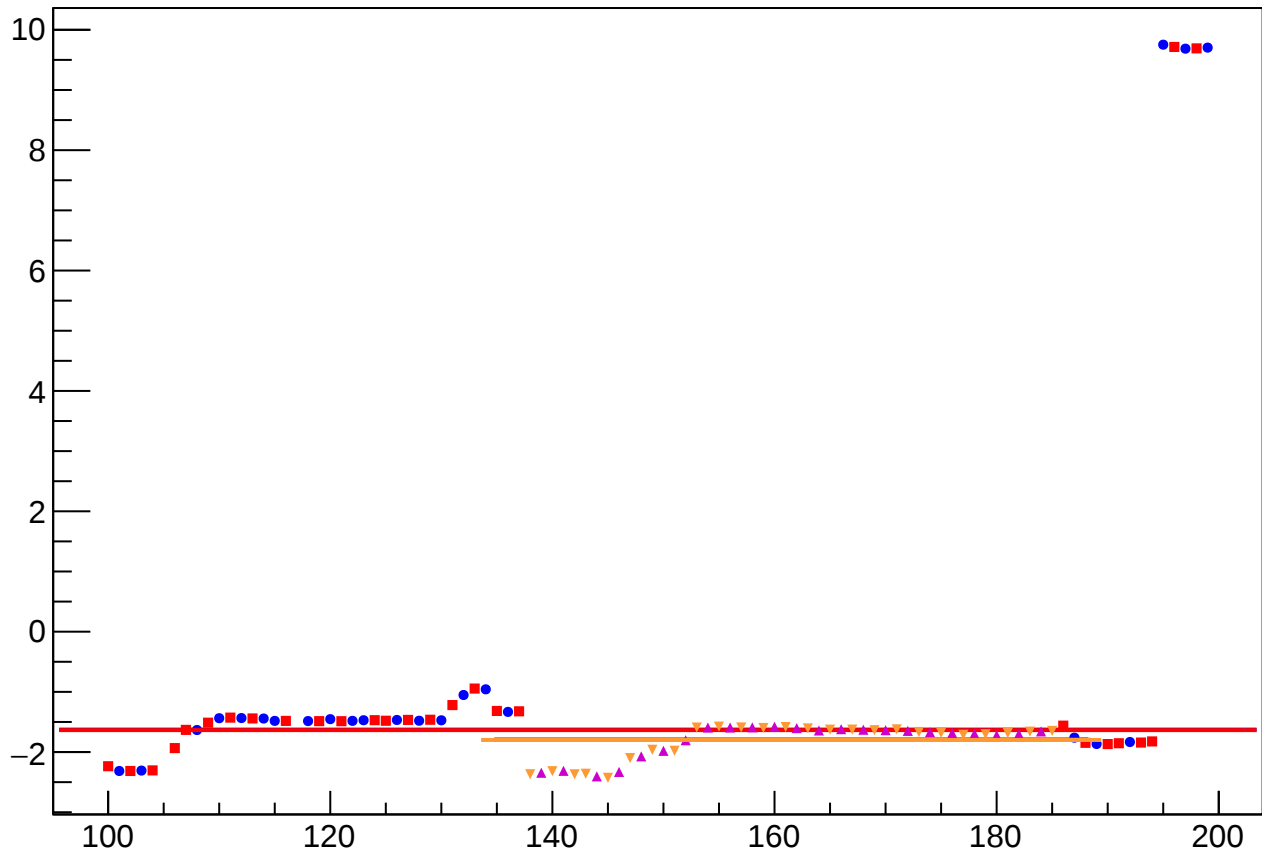
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:125233.2/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3098807.7/47

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 5625985.7/97

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 2526129.5/49

yield_bpm0l06Y_mean vs Slug



Right In: -1.628+/-0.000 χ^2/NDF : 229941294122.3/22

Left Out: -1.799+/-0.000 χ^2/NDF : 185362087438.8/24

Right Out: -1.635+/-0.000 χ^2/NDF : 213293182194.8/26

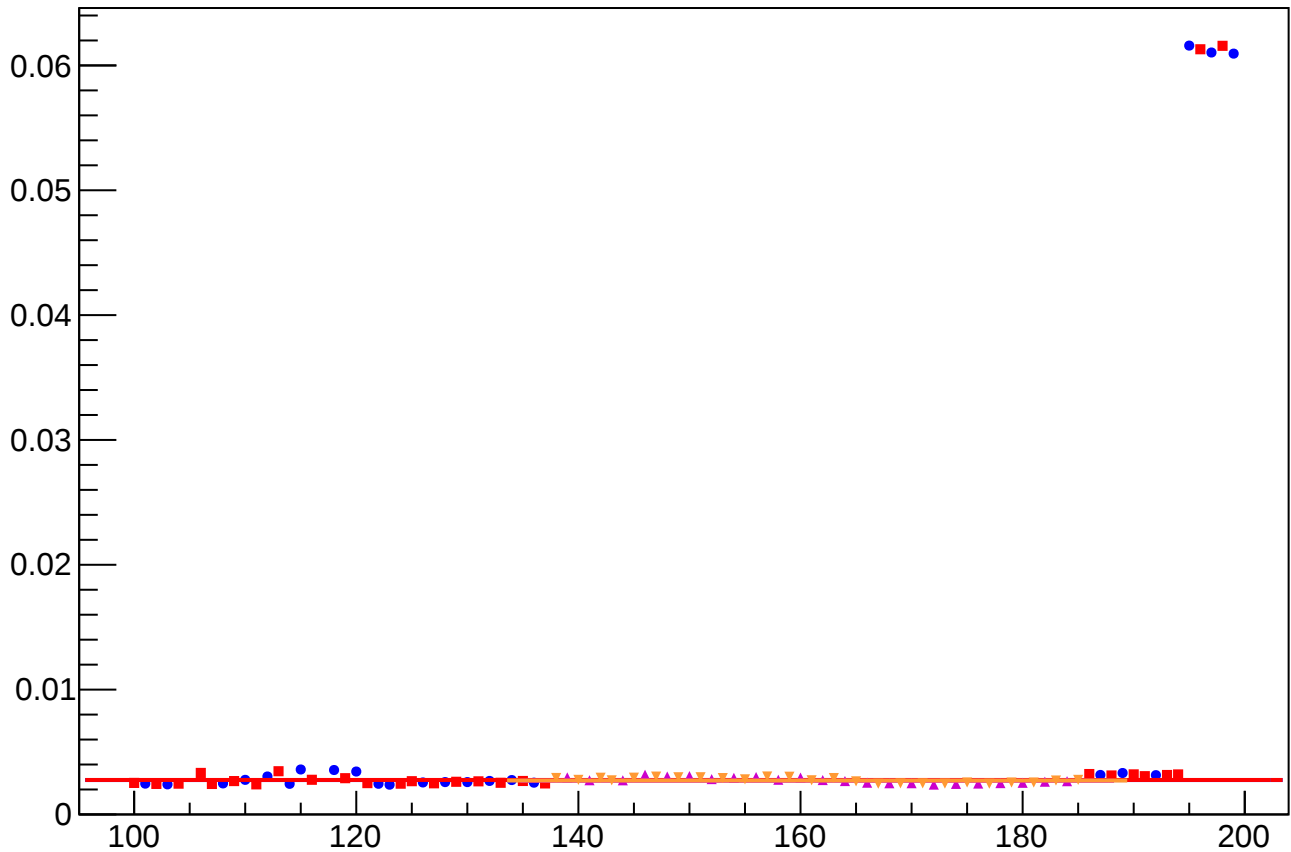
Left In: -1.790+/-0.000 χ^2/NDF : 159648935510.8/22

+ sign -1.747+/-0.000 χ^2/NDF : 436511533133.7/47

All: -1.740+/-0.000 χ^2/NDF : 829454020651.9

- sign -1.734+/-0.000 χ^2/NDF : 392671701984.4/49

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 4628491.9/22

Left Out: 0.003+/-0.000 χ^2/NDF :199695.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 3177845.8/26

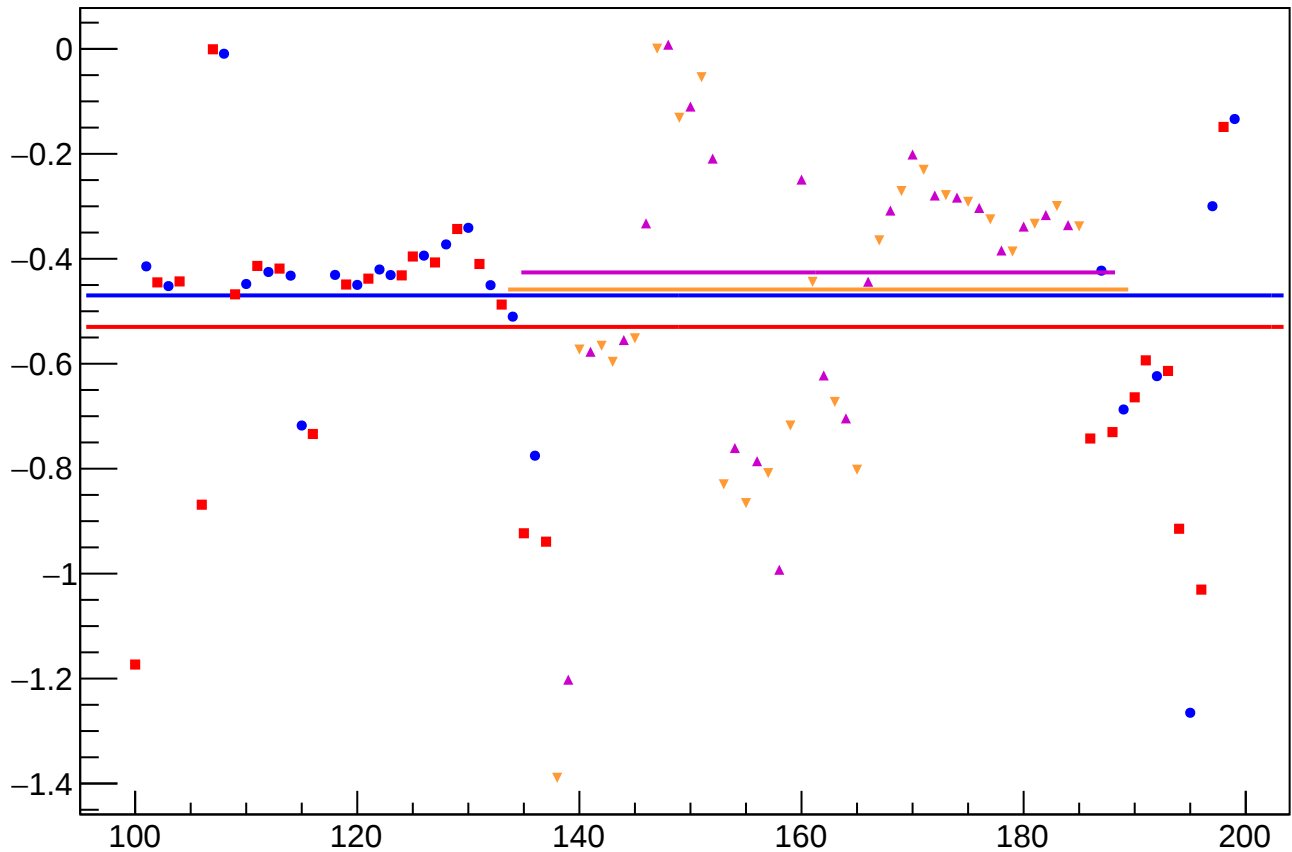
Left In: 0.003+/-0.000 χ^2/NDF :220327.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 4830253.0/47

All: 0.003+/-0.000 χ^2/NDF : 8234999.0/97

- sign 0.003+/-0.000 χ^2/NDF : 3404612.3/49

yield_bpm0l07X_mean vs Slug



Right In: -0.470 ± 0.000 χ^2/NDF : 3810168078.9/22

Left Out: -0.459 ± 0.000 χ^2/NDF : 9916462814.9/24

Right Out: -0.530 ± 0.000 χ^2/NDF : 4551909082.1/26

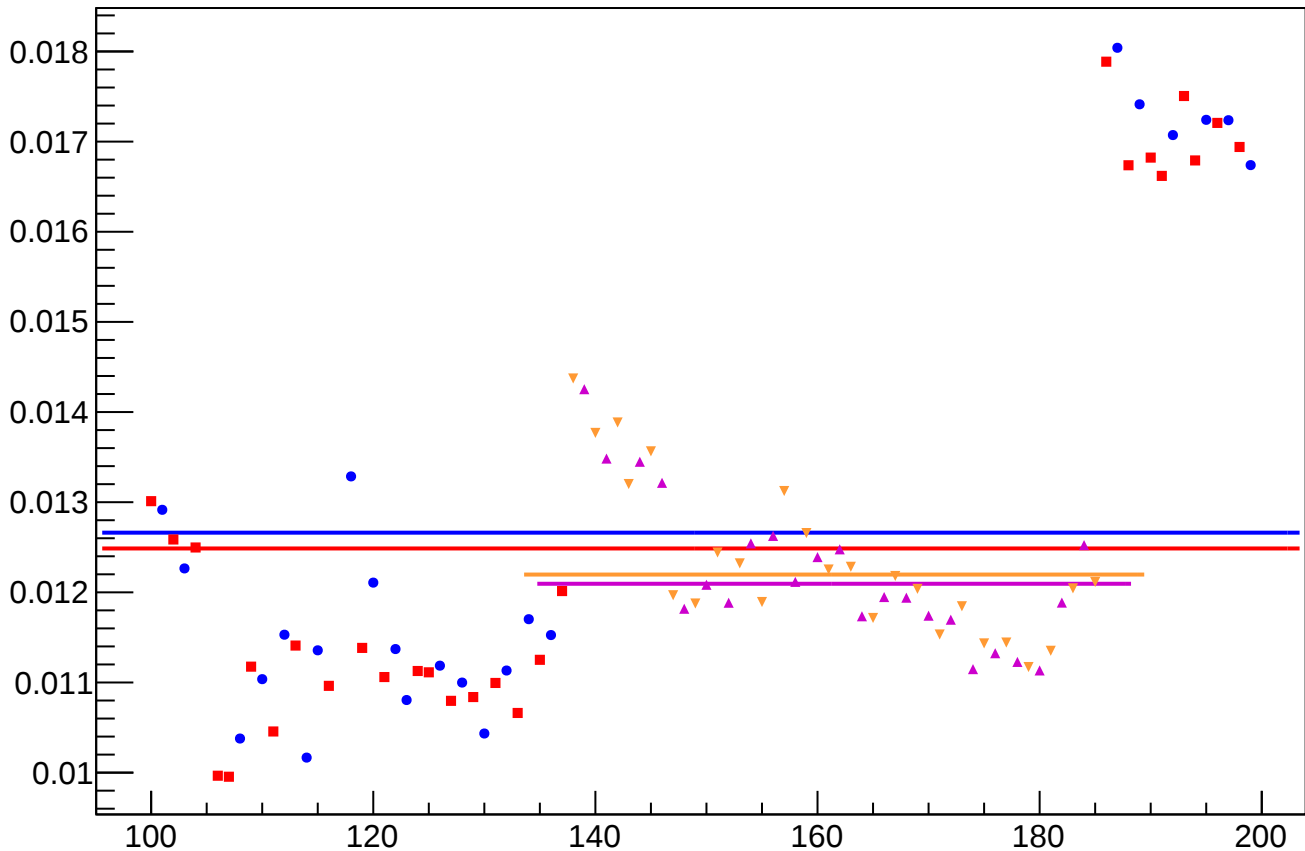
Left In: -0.426 ± 0.000 χ^2/NDF : 8424222576.0/22

+ sign -0.462 ± 0.000 χ^2/NDF : 13731835708.6/47

All: -0.465 ± 0.000 χ^2/NDF : 27189518893.4/49

- sign -0.467 ± 0.000 χ^2/NDF : 13455982952.7/49

yield_bpm0l07X_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 736411.7/22

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:141850.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 983038.1/26

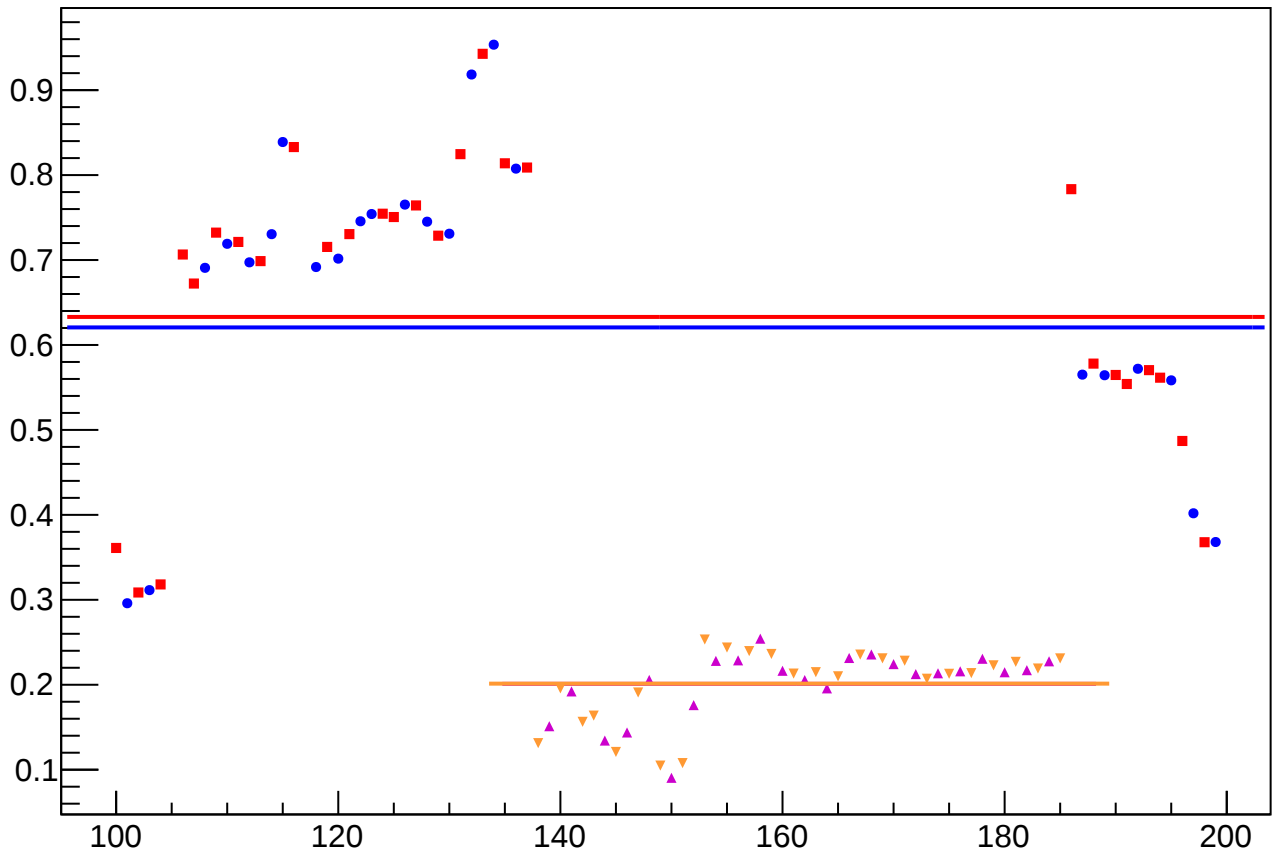
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:127308.3/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 895878.7/47

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 2022054.6/97

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1123993.2/49

yield_bpm0l07Y_mean vs Slug



Right In: 0.621 $\pm$ 0.000 χ^2 /NDF: 52713648119.2/22

Left Out: 0.201 $\pm$ 0.000 χ^2 /NDF: 7090760823.7/24

Right Out: 0.633 $\pm$ 0.000 χ^2 /NDF: 49805597433.8/26

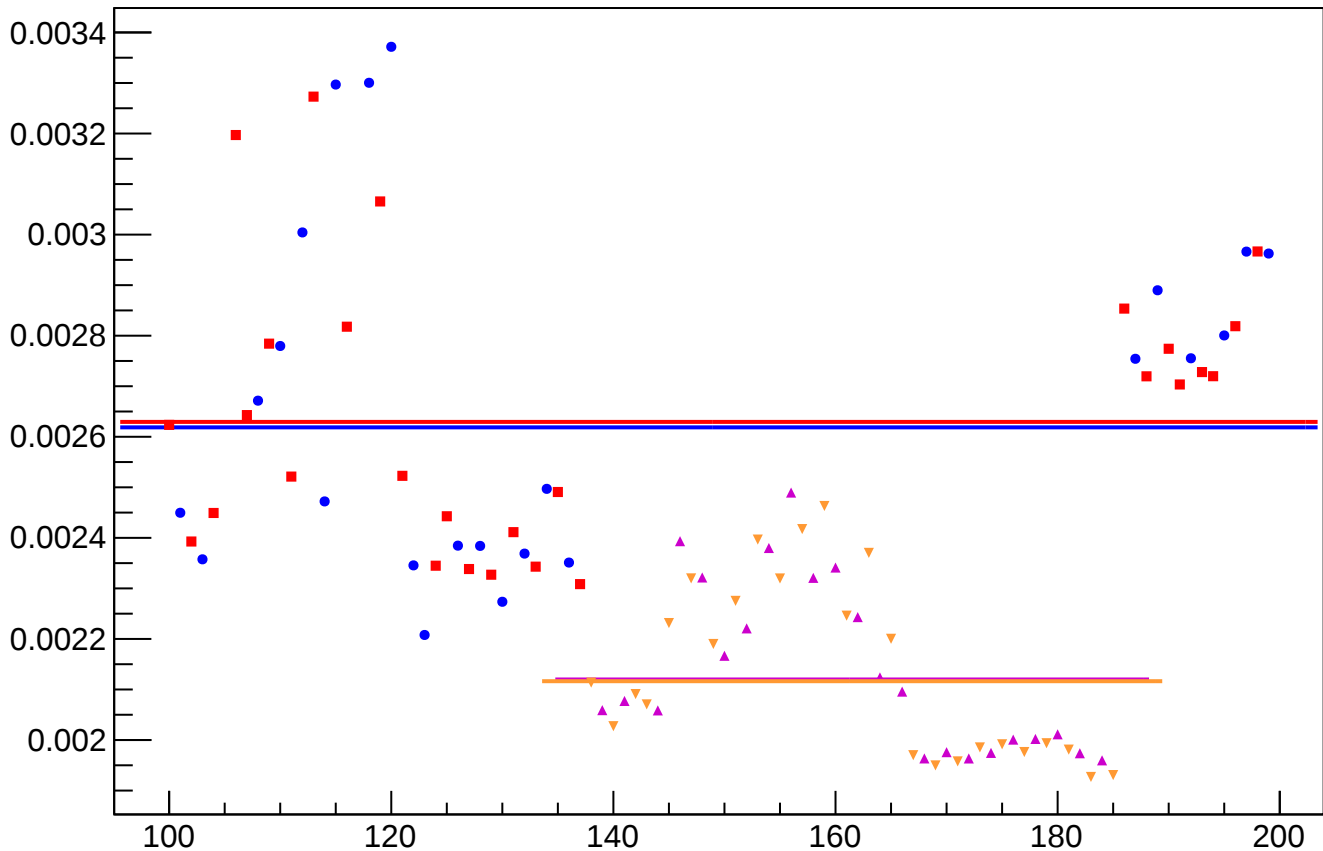
Left In: 0.201 $\pm$ 0.000 χ^2 /NDF: 5671770181.2/22

+ sign 0.314 $\pm$ 0.000 χ^2 /NDF: 250402654502.5/47

All: 0.323 $\pm$ 0.000 χ^2 /NDF: 524050964501.1

- sign 0.333 $\pm$ 0.000 χ^2 /NDF: 272614364902.9/49

yield_bpm0l07Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 261943.7/22

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:224498.3/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 190557.4/26

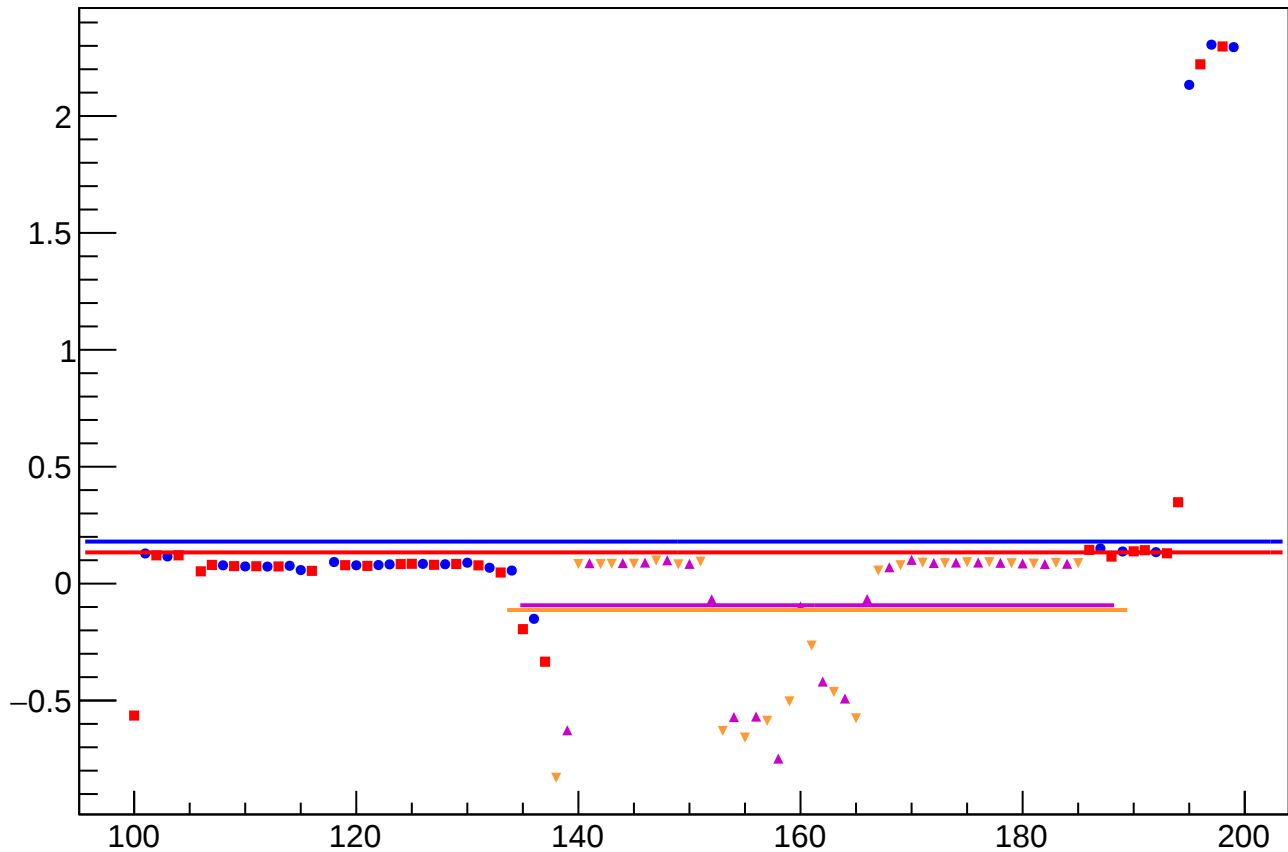
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:189228.6/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 1033195.6/47

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 2020832.0/97

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 984308.5/49

yield_bpm0l08X_mean vs Slug



Right In: 0.180+/-0.000 χ^2/NDF : 19427450641.9/22

Left Out: -0.113+/-0.000 χ^2/NDF : 13667354077.1/24

Right Out: 0.134+/-0.000 χ^2/NDF : 14564284448.9/26

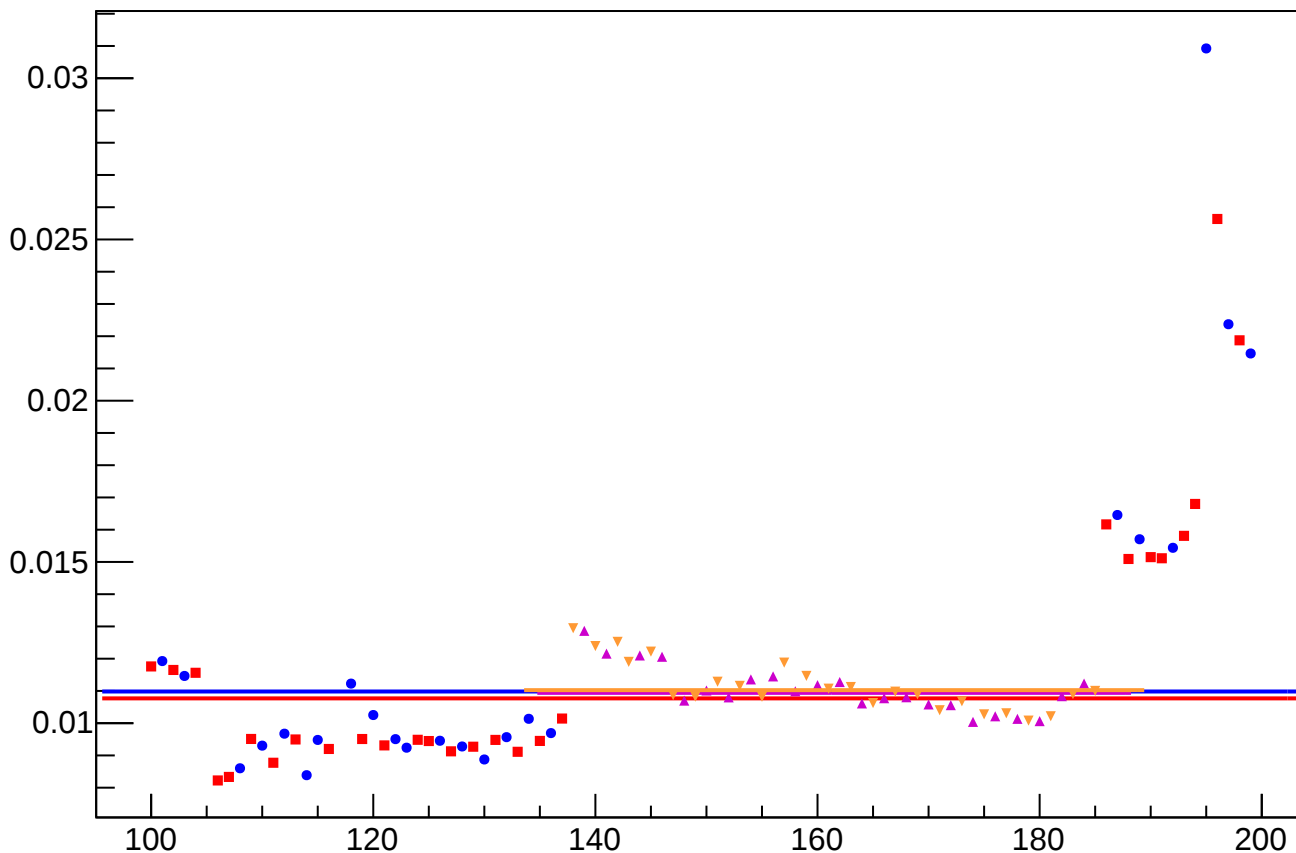
Left In: -0.093+/-0.000 χ^2/NDF : 11051944893.7/22

+ sign -0.011+/-0.000 χ^2/NDF : 37415938960.8/47

All: -0.006+/-0.000 χ^2/NDF : 65898802744.3/49

- sign -0.002+/-0.000 χ^2/NDF : 28473344850.3/49

yield_bpm0l08X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 2046538.0/22

Left Out: 0.011+/-0.000 χ^2/NDF :141501.7/24

Right Out: 0.011+/-0.000 χ^2/NDF : 1984063.5/26

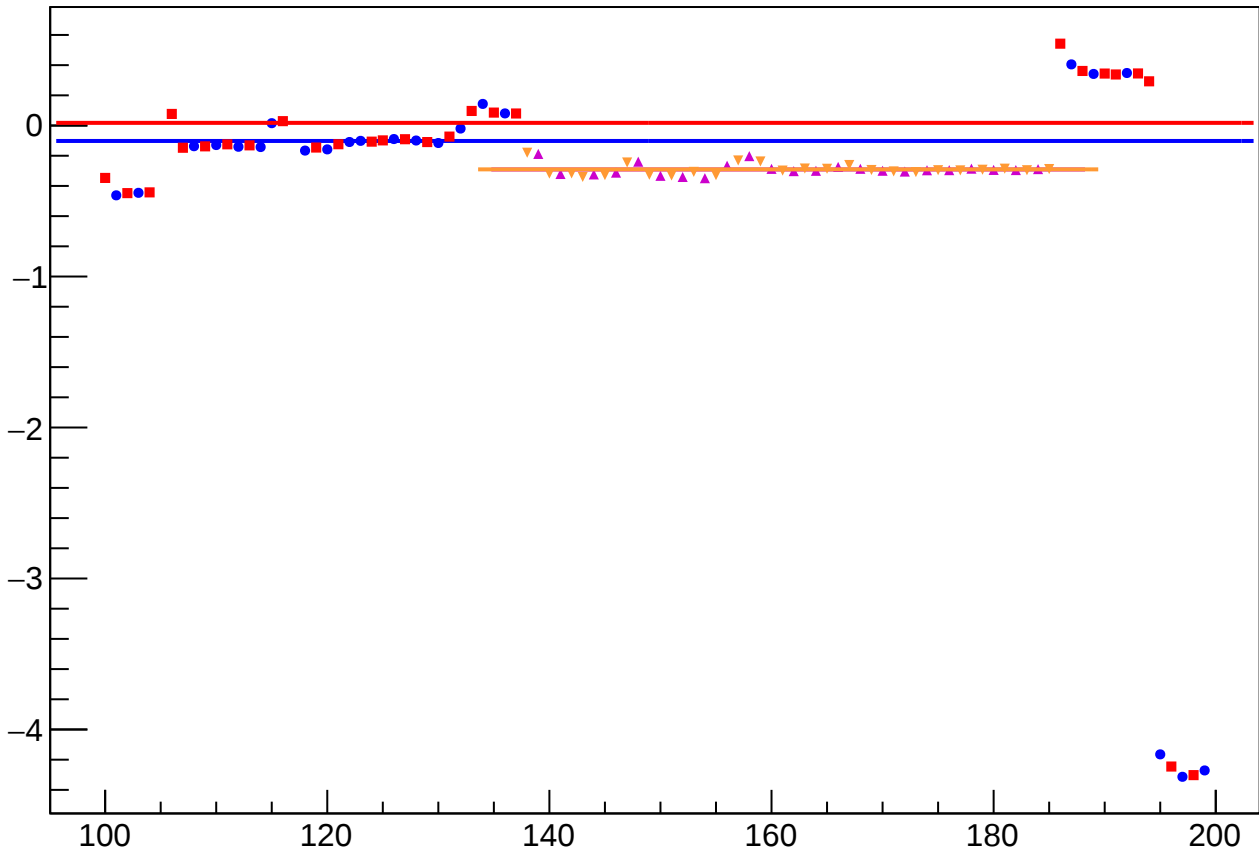
Left In: 0.011+/-0.000 χ^2/NDF :128914.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 2188209.4/47

All: 0.011+/-0.000 χ^2/NDF : 4308808.2/97

- sign 0.011+/-0.000 χ^2/NDF : 2116265.9/49

yield_bpm0l08Y_mean vs Slug



Right In: -0.102+/-0.000 χ^2/NDF : 138011719671.2/22

Left Out: -0.290+/-0.000 χ^2/NDF : 2877519093.0/24

Right Out: 0.018+/-0.000 χ^2/NDF : 123260312406.1/26

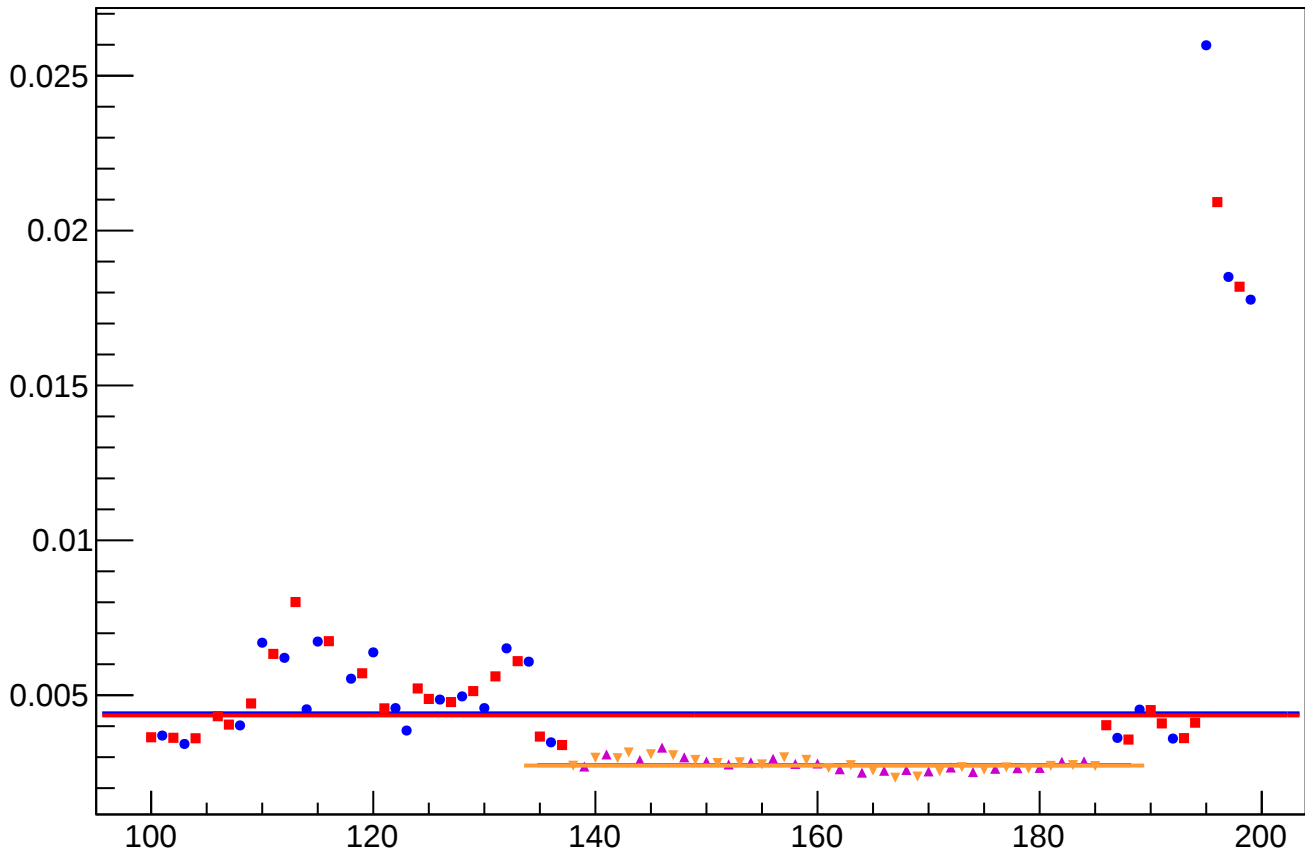
Left In: -0.291+/-0.000 χ^2/NDF : 3125402243.3/22

+ sign -0.262+/-0.000 χ^2/NDF : 153428210069.3/47

All: -0.247+/-0.000 χ^2/NDF : 321239355212.7

- sign -0.232+/-0.000 χ^2/NDF : 166563622345.8/49

yield_bpm0l08Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 3657577.3/22

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:206527.1/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 2692896.8/26

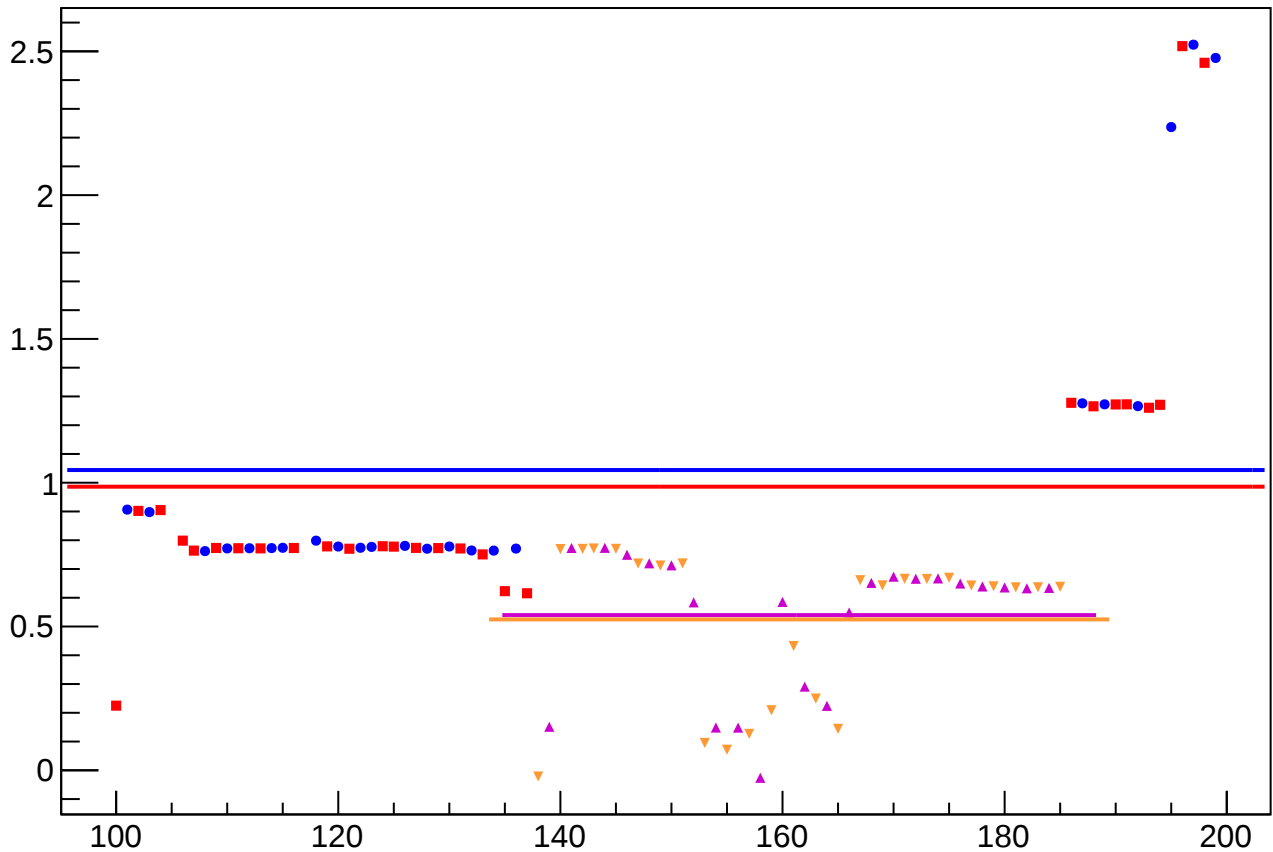
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:147778.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 5878052.7/47

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 10904172.9/97

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 5013327.5/49

yield_bpm0l09X_mean vs Slug



Right In: 1.044+/-0.000 χ^2/NDF : 21371060967.2/22

Left Out: 0.525+/-0.000 χ^2/NDF : 9623503169.9/24

Right Out: 0.986+/-0.000 χ^2/NDF : 18459987699.0/26

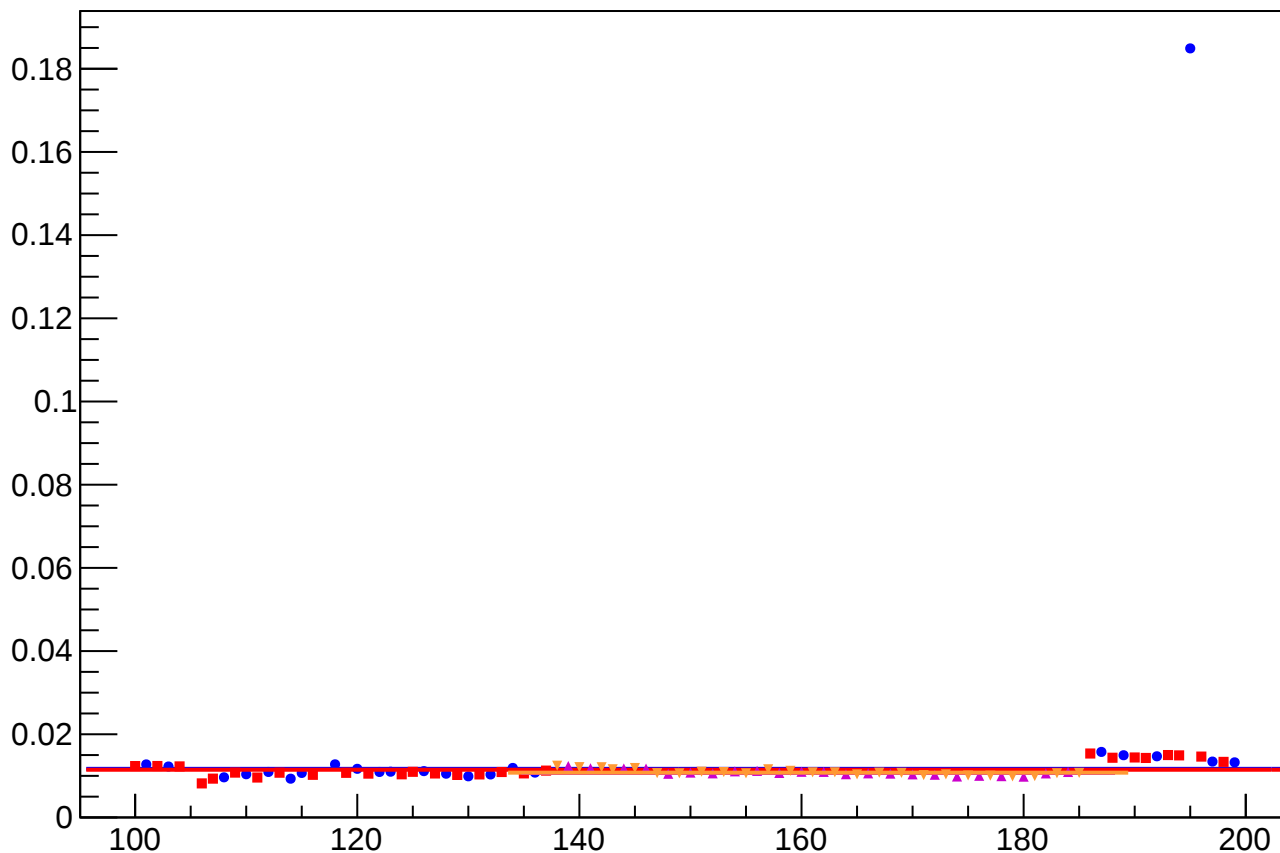
Left In: 0.540+/-0.000 χ^2/NDF : 7860539135.5/22

+ sign 0.686+/-0.000 χ^2/NDF : 43773731227.6/47

All: 0.694+/-0.000 χ^2/NDF : 80702520571.7/50

- sign 0.702+/-0.000 χ^2/NDF : 36900094540.2/49

yield_bpm0l09X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1813781.8/22

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:131630.9/24

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 616839.0/26

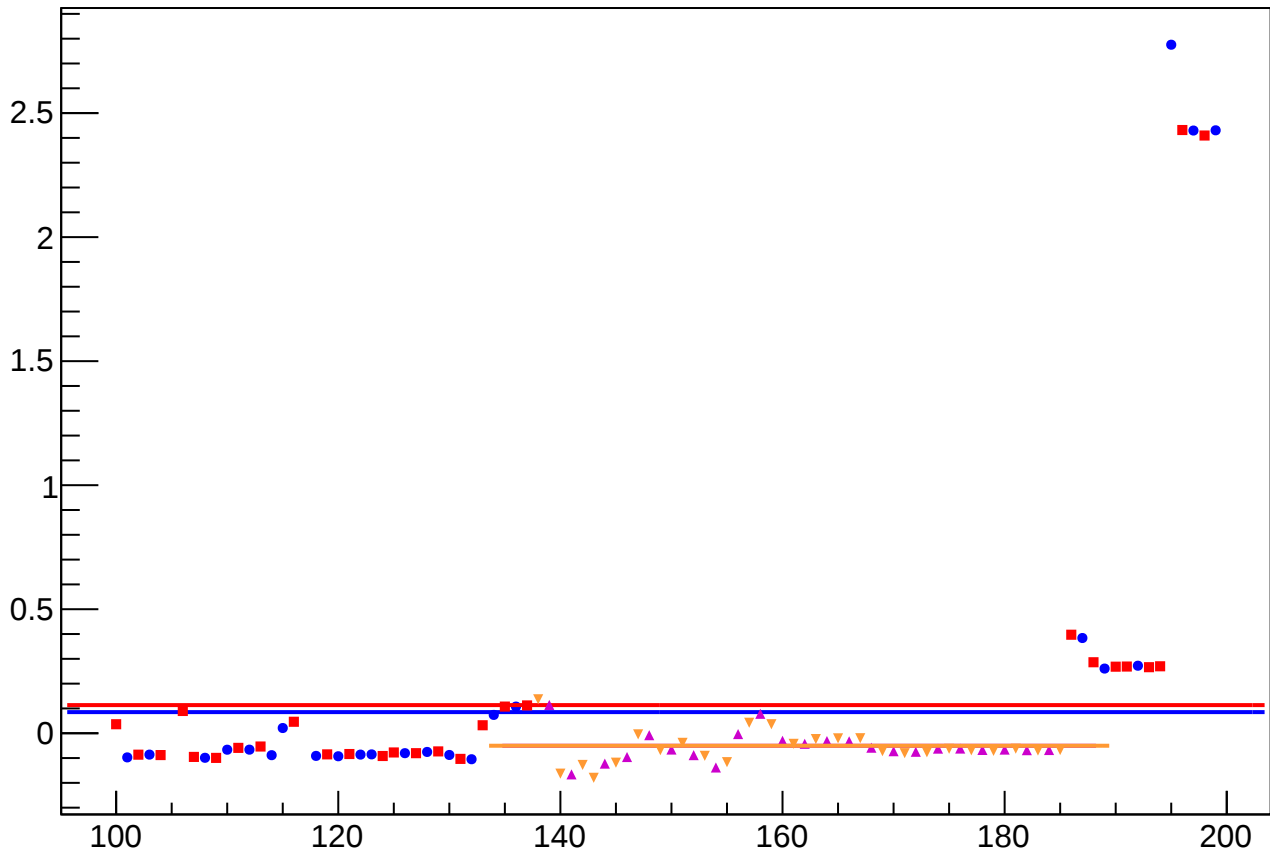
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:119273.2/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2024638.4/47

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 2826206.1/97

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 800154.0/49

yield_bpm0l09Y_mean vs Slug



Right In: 0.085+/-0.000 χ^2/NDF : 58197323018.7/22

Left Out: -0.050+/-0.000 χ^2/NDF : 7271496478.6/24

Right Out: 0.113+/-0.000 χ^2/NDF : 48557624108.5/26

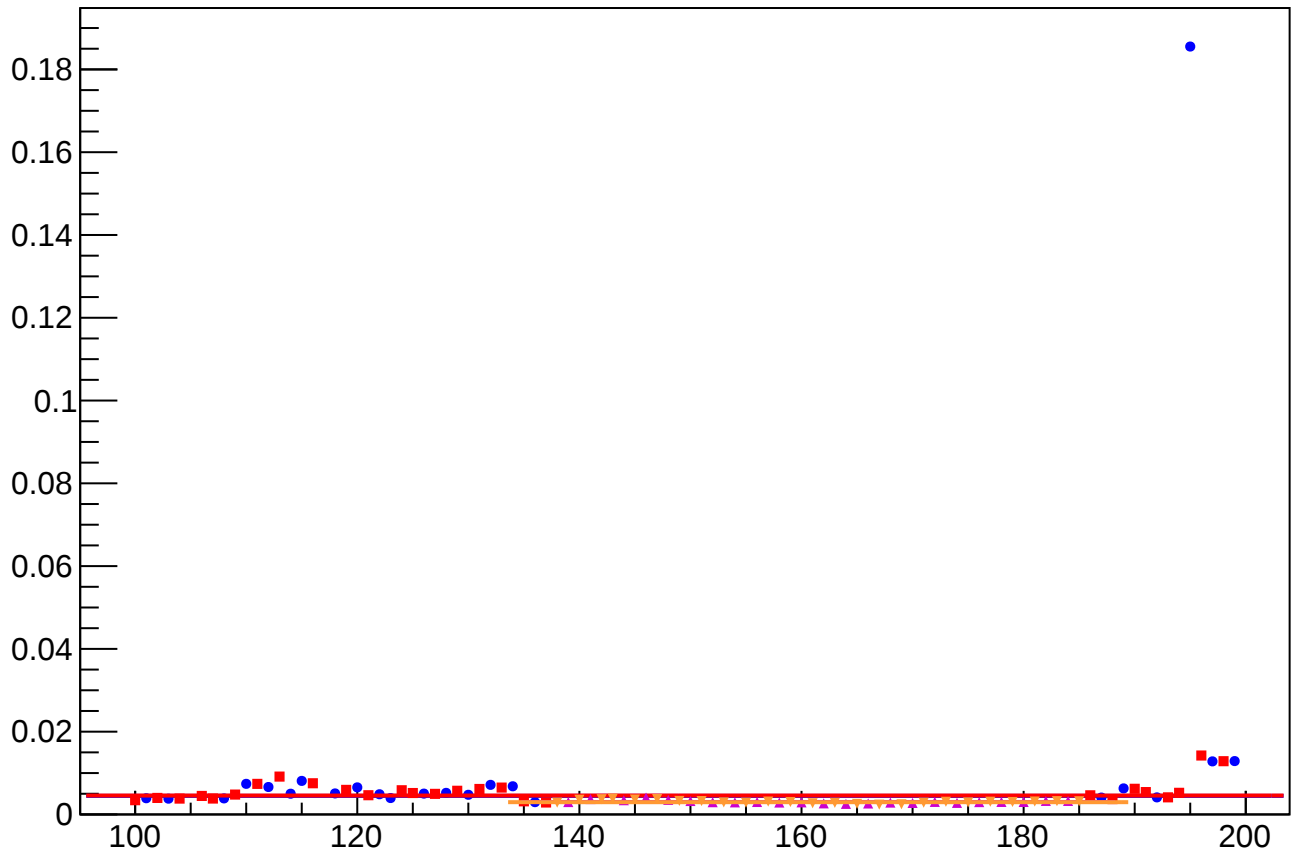
Left In: -0.051+/-0.000 χ^2/NDF : 6128769990.8/22

+ sign -0.028+/-0.000 χ^2/NDF : 71344331492.2/47

All: -0.023+/-0.000 χ^2/NDF : 135772480250.3

- sign -0.018+/-0.000 χ^2/NDF : 64306633332.6/49

yield_bpm0l09Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 3852389.4/22

Left Out: 0.003+/-0.000 χ^2/NDF : 499039.1/24

Right Out: 0.005+/-0.000 χ^2/NDF : 2164346.2/26

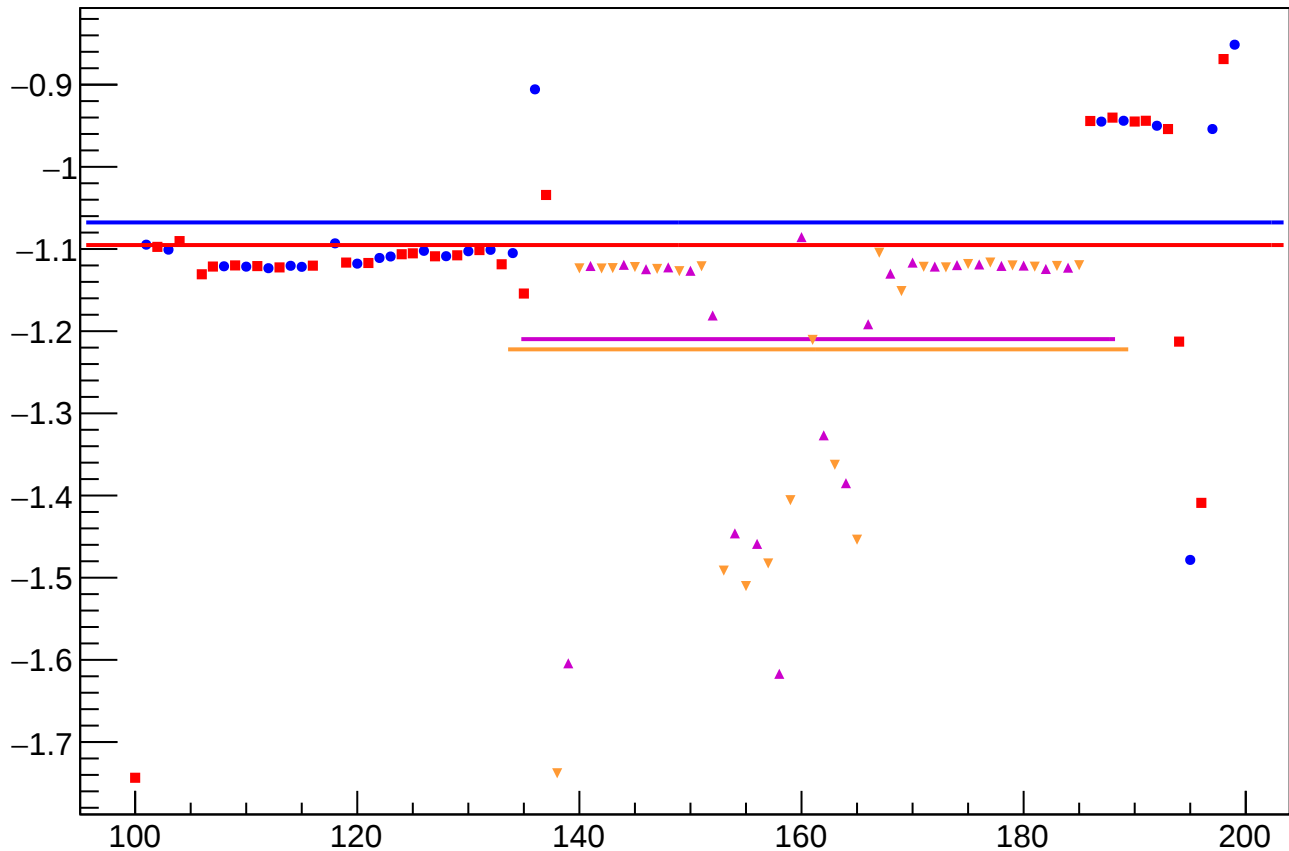
Left In: 0.003+/-0.000 χ^2/NDF : 329068.1/22

+ sign 0.003+/-0.000 χ^2/NDF : 5832562.6/47

All: 0.003+/-0.000 χ^2/NDF : 10098758.8/97

- sign 0.003+/-0.000 χ^2/NDF : 4241980.4/49

yield_bpm0l10X_mean vs Slug



Right In: -1.068 ± 0.000 $\chi^2/\text{NDF}: 1488485541.2/22$

Left Out: -1.222 ± 0.000 $\chi^2/\text{NDF}: 5279548861.3/24$

Right Out: -1.095 ± 0.000 $\chi^2/\text{NDF}: 1394087870.6/26$

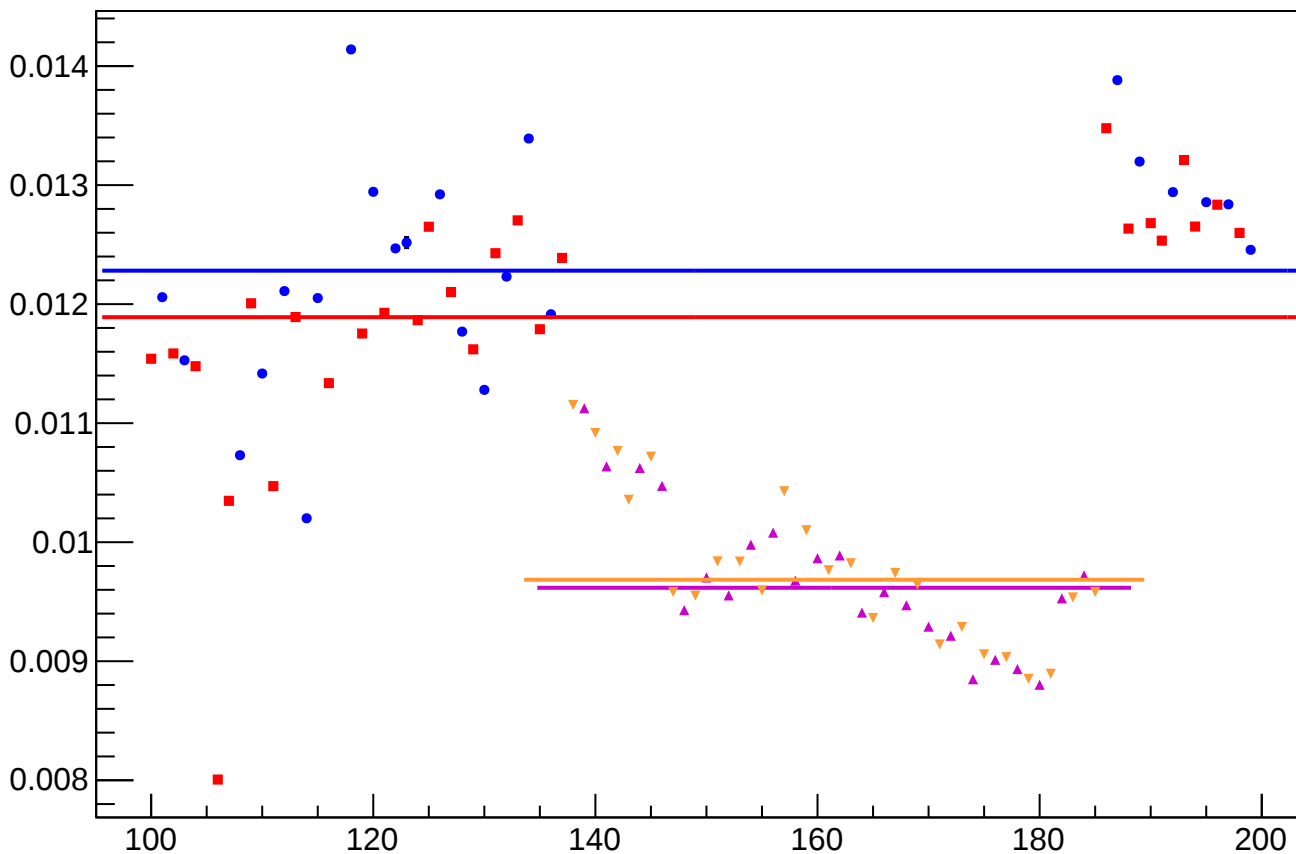
Left In: -1.210 ± 0.000 $\chi^2/\text{NDF}: 4502367902.8/22$

+ sign -1.181 ± 0.000 $\chi^2/\text{NDF}: 7963786360.7/47$

All: -1.177 ± 0.000 $\chi^2/\text{NDF}: 14614666953.4/100$

- sign -1.174 ± 0.000 $\chi^2/\text{NDF}: 6643414105.5/49$

yield_bpm0l10X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 85891.8/22

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:134863.6/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 234973.8/26

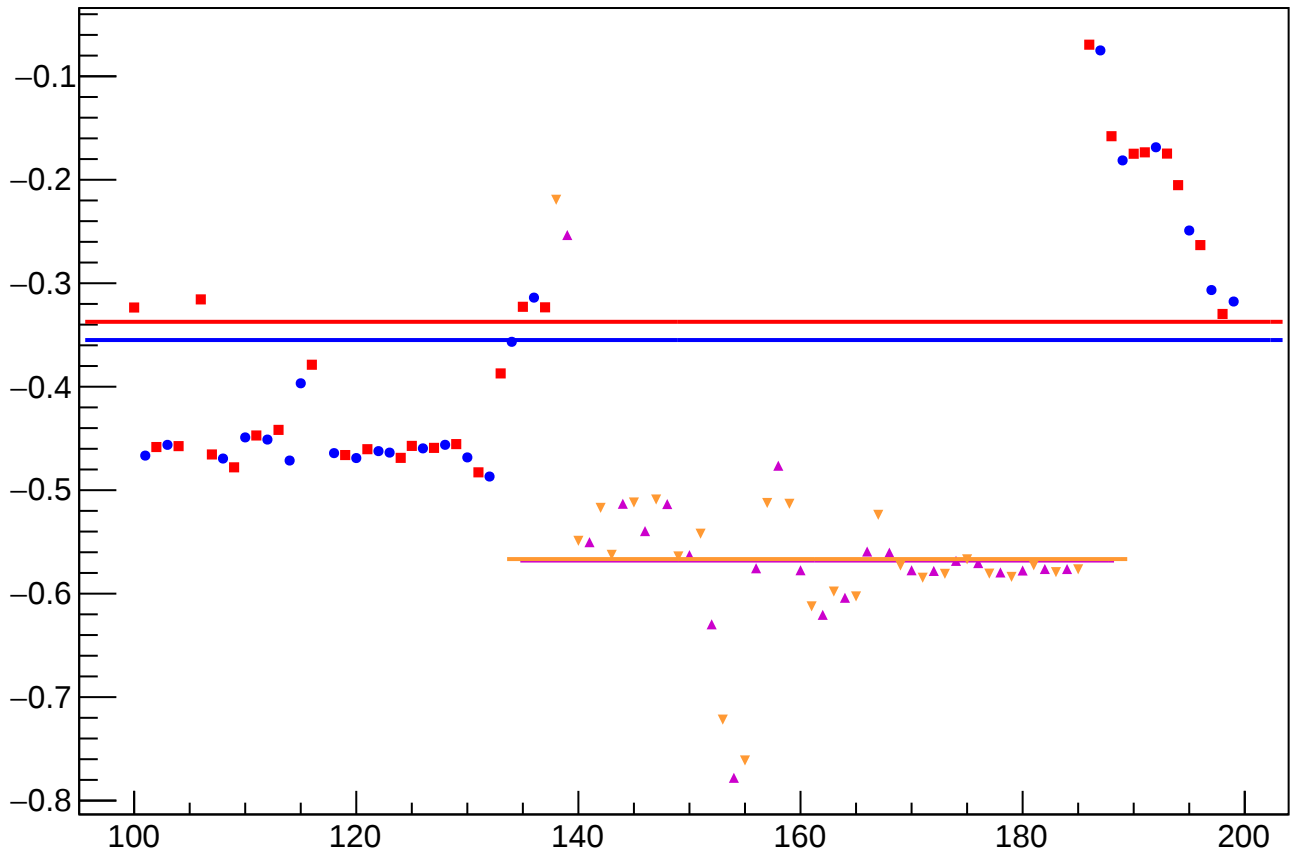
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:119823.1/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 896683.5/47

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 1840973.4/97

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 943873.7/49

yield_bpm0l10Y_mean vs Slug



Right In: -0.355+/-0.000 χ^2/NDF : 7606147272.9/22

Left Out: -0.567+/-0.000 χ^2/NDF :13368458519.3/24

Right Out: -0.337+/-0.000 χ^2/NDF : 10321135563.8/26

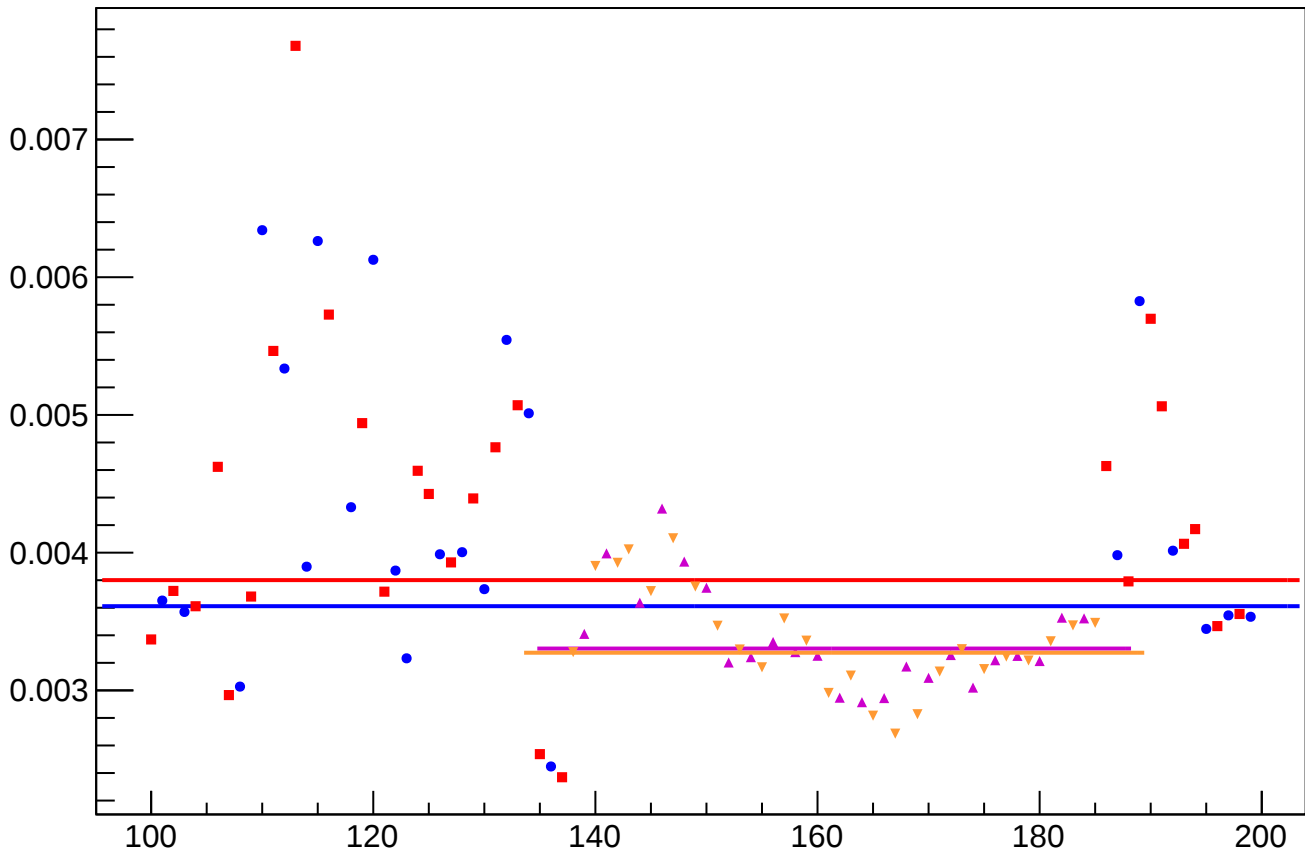
Left In: -0.568+/-0.000 χ^2/NDF :10458990019.9/22

+ sign -0.502+/-0.000 χ^2/NDF : 42824352174.1/47

All: -0.497+/-0.000 χ^2/NDF : 89711182635.7/49

- sign -0.492+/-0.000 χ^2/NDF : 46766992635.4/49

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 992695.2/22

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:394865.4/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1054418.2/26

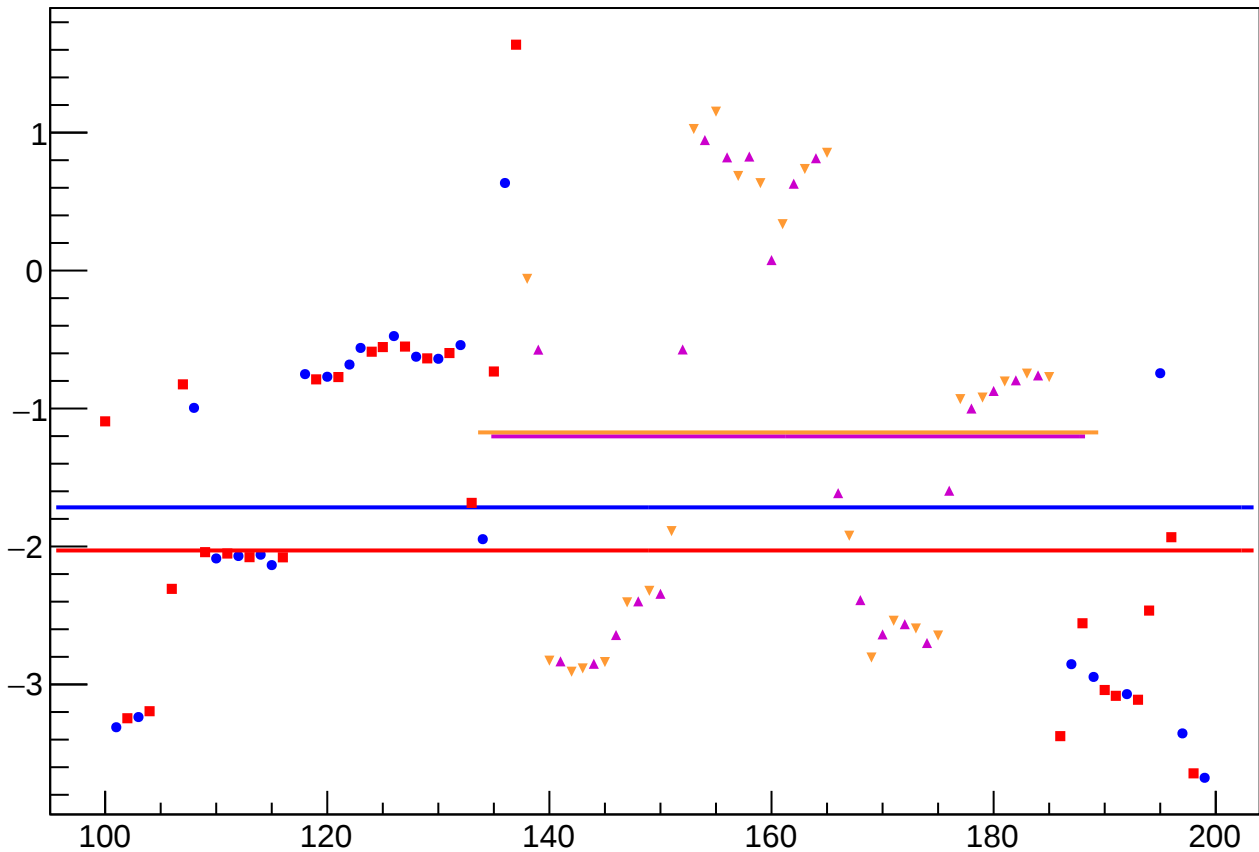
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:286064.1/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1498912.4/47

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3099278.7/97

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1581508.6/49

yield_bpm0r03X_mean vs Slug



Right In: -1.716+/-0.000 χ^2/NDF : 3715687554.9/22

Left Out: -1.173+/-0.000 χ^2/NDF : 6882684653.2/24

Right Out: -2.029+/-0.000 χ^2/NDF : 2838020600.7/26

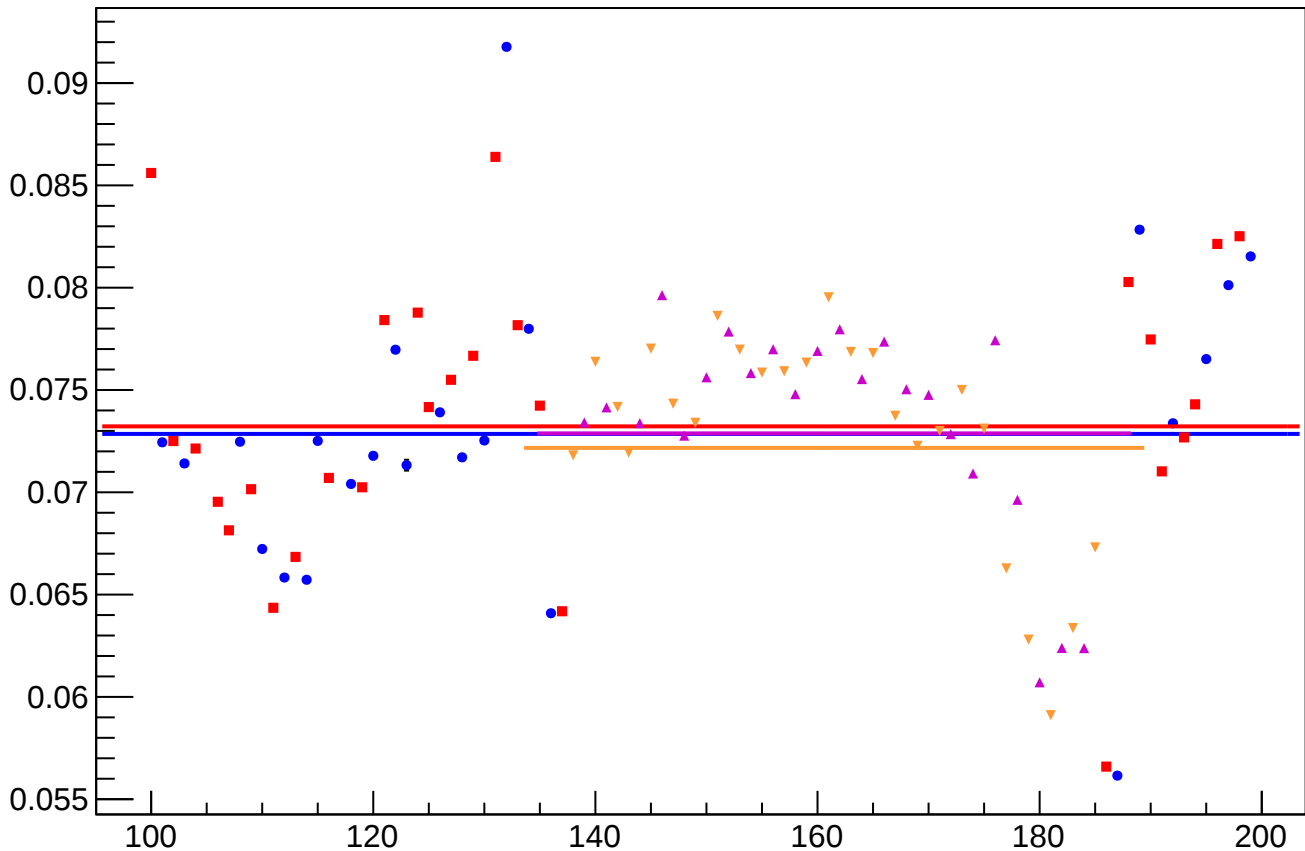
Left In: -1.202+/-0.000 χ^2/NDF : 5606782515.9/22

+ sign -1.370+/-0.000 χ^2/NDF : 10968177000.1/47

All: -1.455+/-0.000 χ^2/NDF : 20386809765.0/49

- sign -1.541+/-0.000 χ^2/NDF : 9339609340.0/49

yield_bpm0r03X_rms vs Slug



Right In: 0.073 ± 0.000 χ^2/NDF : 159826.0/22

Left Out: 0.072 ± 0.000 χ^2/NDF : 222263.8/24

Right Out: 0.073 ± 0.000 χ^2/NDF : 191171.8/26

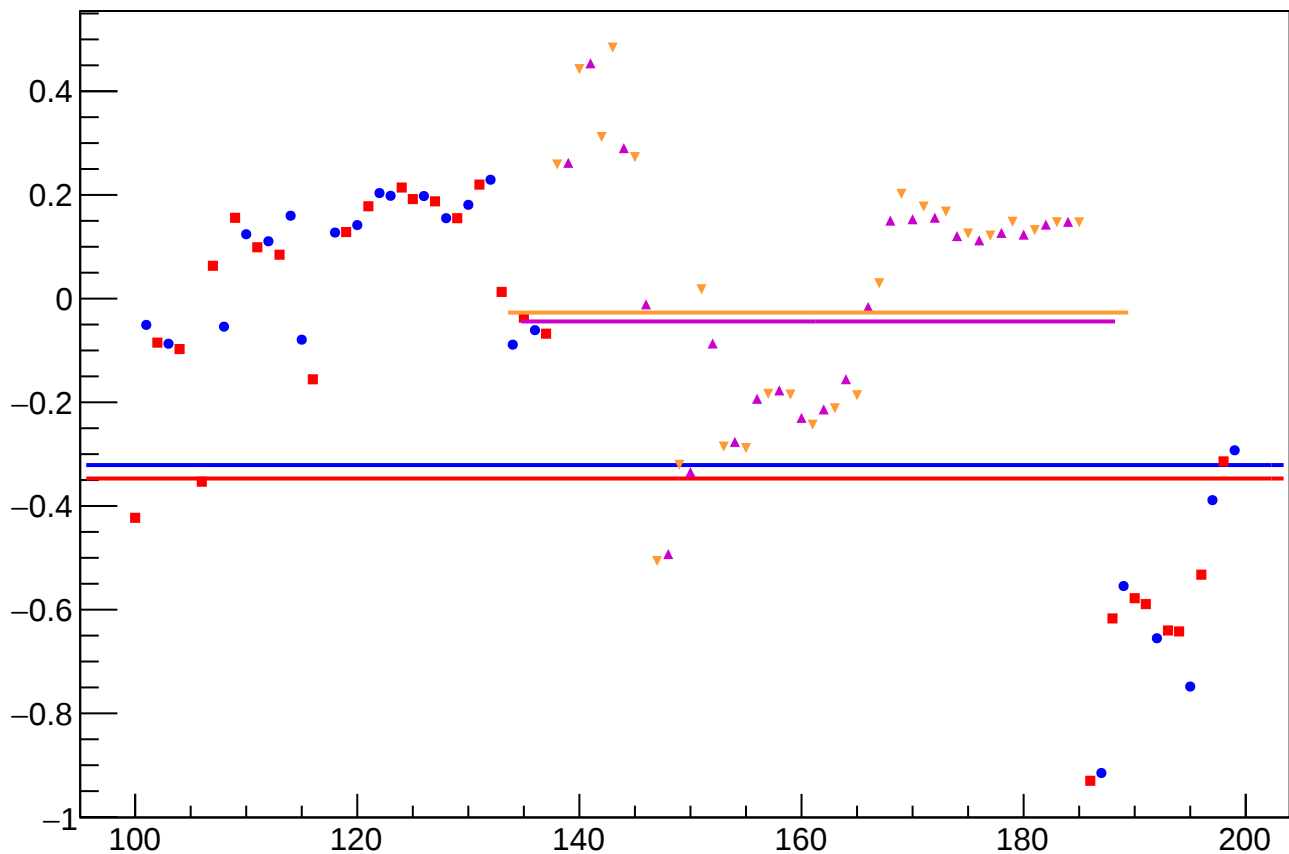
Left In: 0.073 ± 0.000 χ^2/NDF : 183503.0/22

+ sign 0.072 ± 0.000 χ^2/NDF : 383256.4/47

All: 0.073 ± 0.000 χ^2/NDF : 760196.5/97

- sign 0.073 ± 0.000 χ^2/NDF : 374986.2/49

yield_bpm0r03Y_mean vs Slug



Right In: -0.321 ± 0.000 $\chi^2/\text{NDF}: 12011549550.3/22$

Left Out: -0.027 ± 0.000 $\chi^2/\text{NDF}: 20376761328.6/24$

Right Out: -0.347 ± 0.000 $\chi^2/\text{NDF}: 10917282278.8/26$

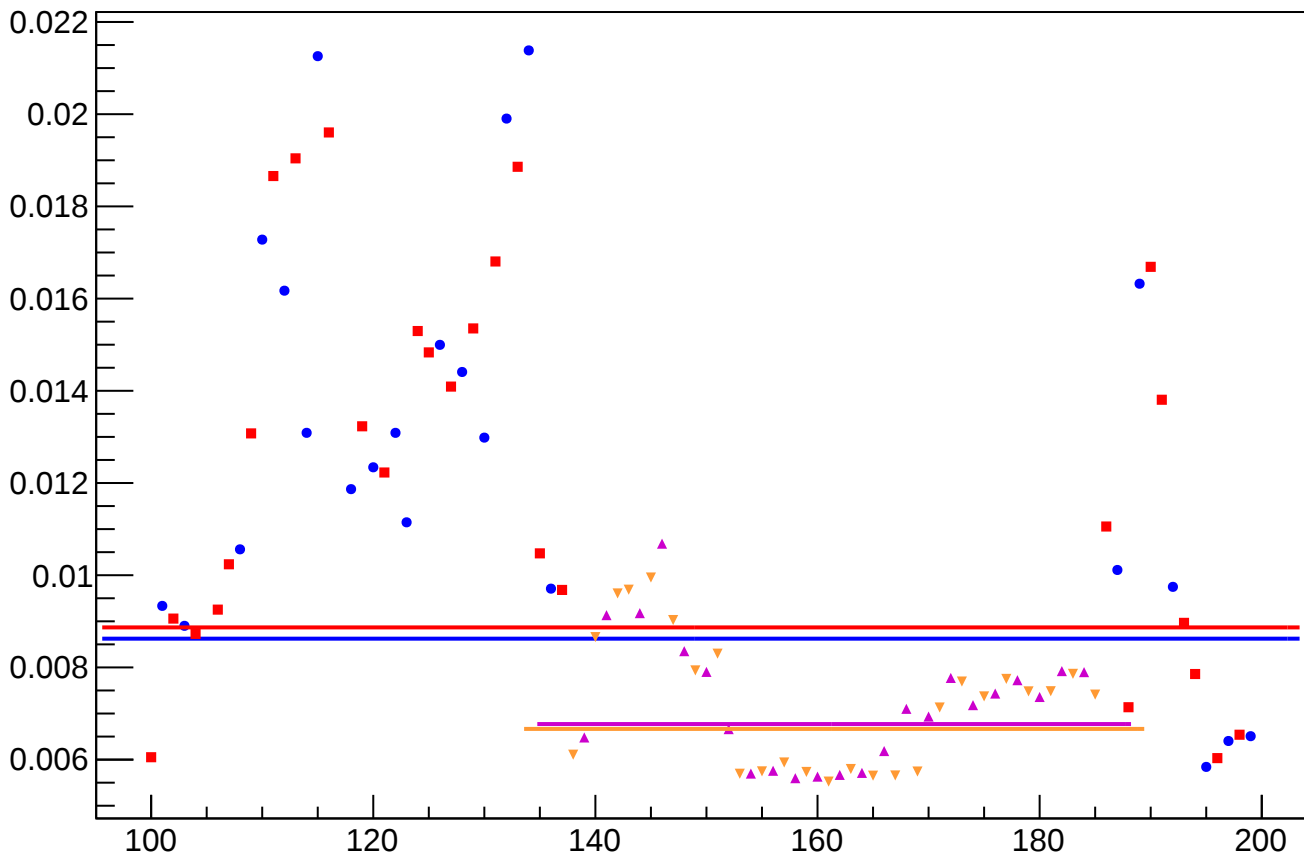
Left In: -0.044 ± 0.000 $\chi^2/\text{NDF}: 15718556282.1/22$

+ sign -0.097 ± 0.000 $\chi^2/\text{NDF}: 40152700888.2/47$

All: -0.110 ± 0.000 $\chi^2/\text{NDF}: 75323008542.3/49$

- sign -0.124 ± 0.000 $\chi^2/\text{NDF}: 34991476524.6/49$

yield_bpm0r03Y_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 2322677.7/22

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:1143768.6/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 2504297.2/26

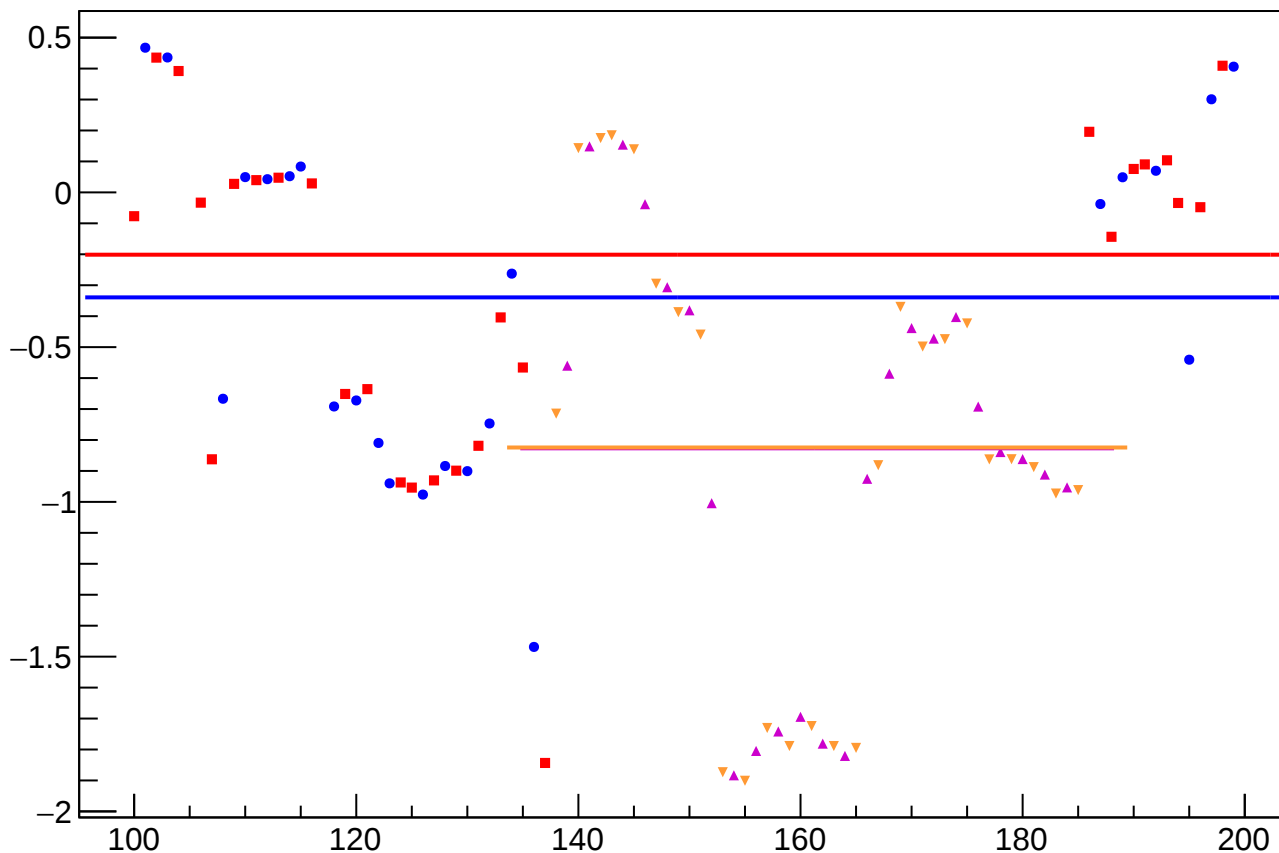
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:934050.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4154091.3/47

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 8410777.2/97

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4238569.0/49

yield_bpm0r05X_mean vs Slug



Right In: -0.339 ± 0.000 $\chi^2/\text{NDF}: 469704905.2/22$

Left Out: -0.824 ± 0.000 $\chi^2/\text{NDF}: 1103610806.5/24$

Right Out: -0.201 ± 0.000 $\chi^2/\text{NDF}: 355592567.1/26$

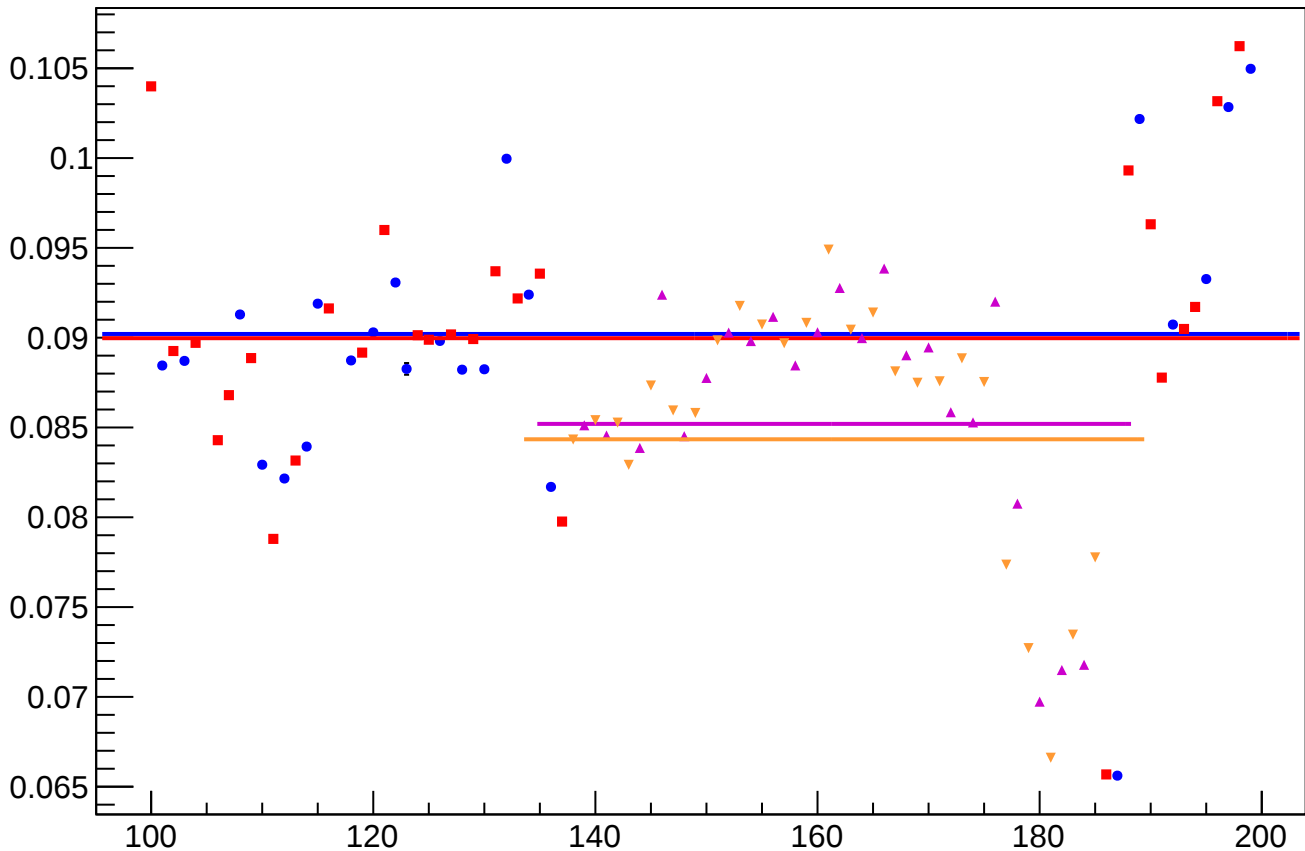
Left In: -0.827 ± 0.000 $\chi^2/\text{NDF}: 921651117.3/22$

+ sign -0.661 ± 0.000 $\chi^2/\text{NDF}: 1775506206.5/47$

All: -0.623 ± 0.000 $\chi^2/\text{NDF}: 3420185978.0/9$

- sign -0.585 ± 0.000 $\chi^2/\text{NDF}: 1633653366.3/49$

yield_bpm0r05X_rms vs Slug



Right In: 0.090 $\pm$ 0.000 χ^2 /NDF: 156957.3/22

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF:288312.6/24

Right Out: 0.090 $\pm$ 0.000 χ^2 /NDF: 229890.1/26

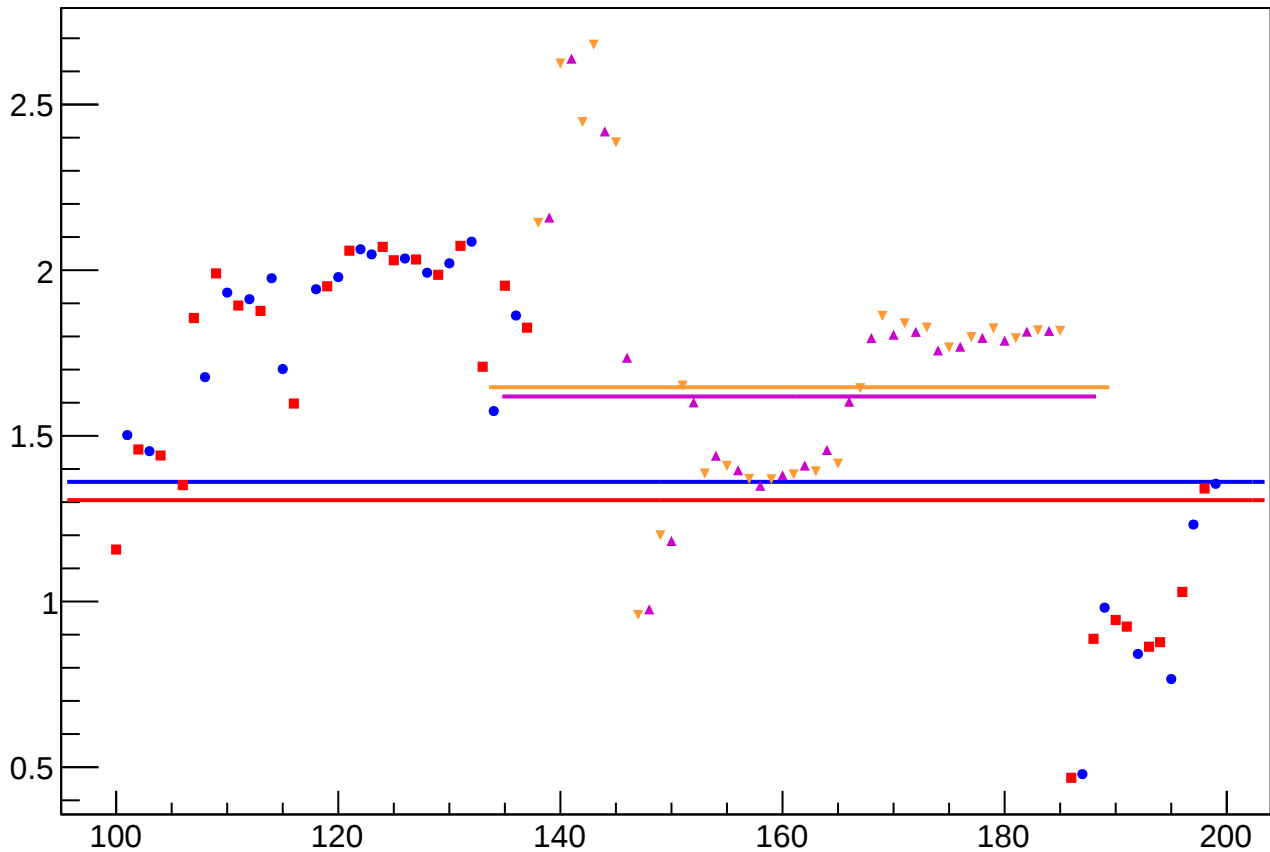
Left In: 0.085 $\pm$ 0.000 χ^2 /NDF:238313.9/22

+ sign 0.086 $\pm$ 0.000 χ^2 /NDF: 504382.9/47

All: 0.087 $\pm$ 0.000 χ^2 /NDF: 1016079.0/97

- sign 0.087 $\pm$ 0.000 χ^2 /NDF: 509667.3/49

yield_bpm0r05Y_mean vs Slug



Right In: 1.361+/-0.000 χ^2/NDF : 12496142975.8/22

Left Out: 1.647+/-0.000 χ^2/NDF : 26535241545.7/24

Right Out: 1.306+/-0.000 χ^2/NDF : 11980446905.6/26

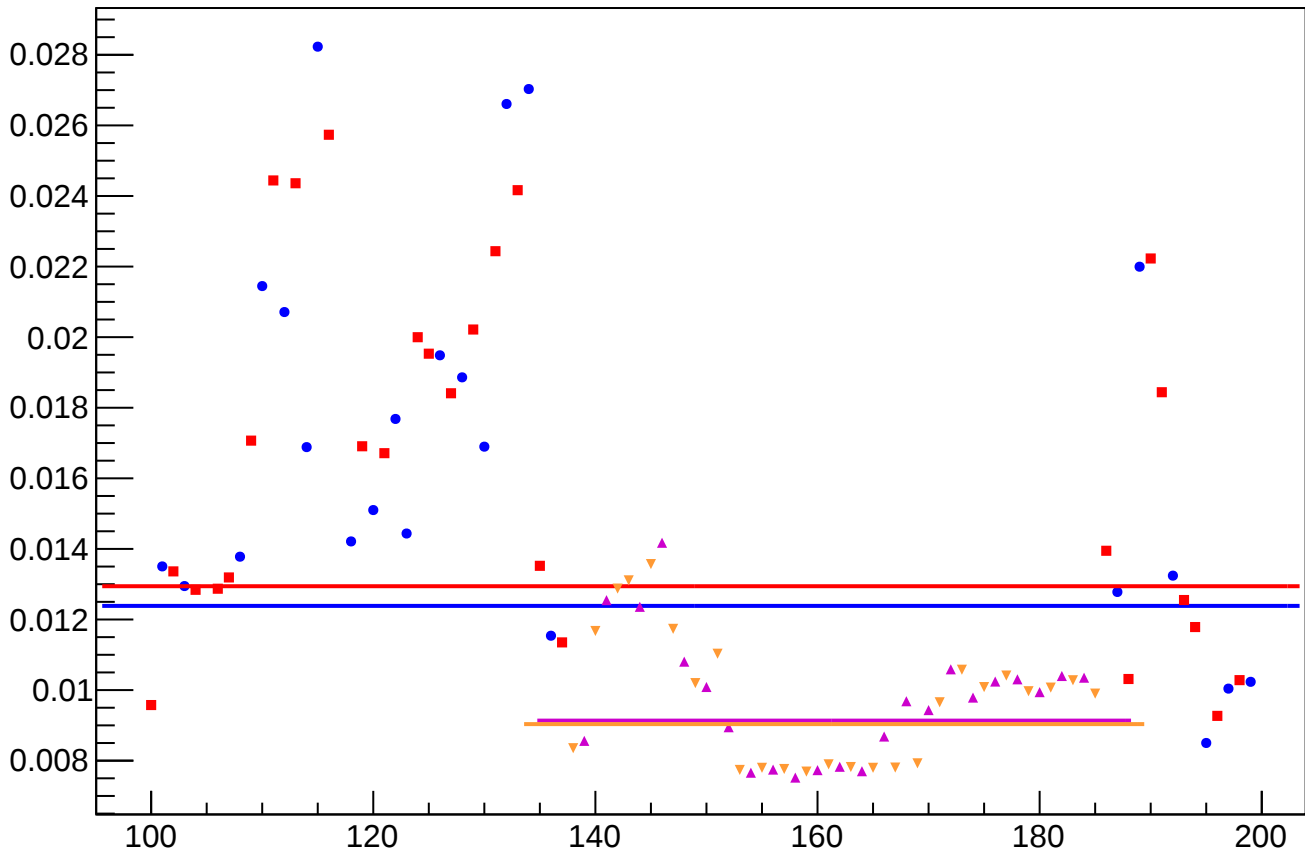
Left In: 1.619+/-0.000 χ^2/NDF : 20618198188.1/22

+ sign 1.584+/-0.000 χ^2/NDF : 42788096783.4/47

All: 1.564+/-0.000 χ^2/NDF : 80094133569.5/50

- sign 1.544+/-0.000 χ^2/NDF : 37099574491.6/49

yield_bpm0r05Y_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1645198.3/22

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1042871.8/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1773649.1/26

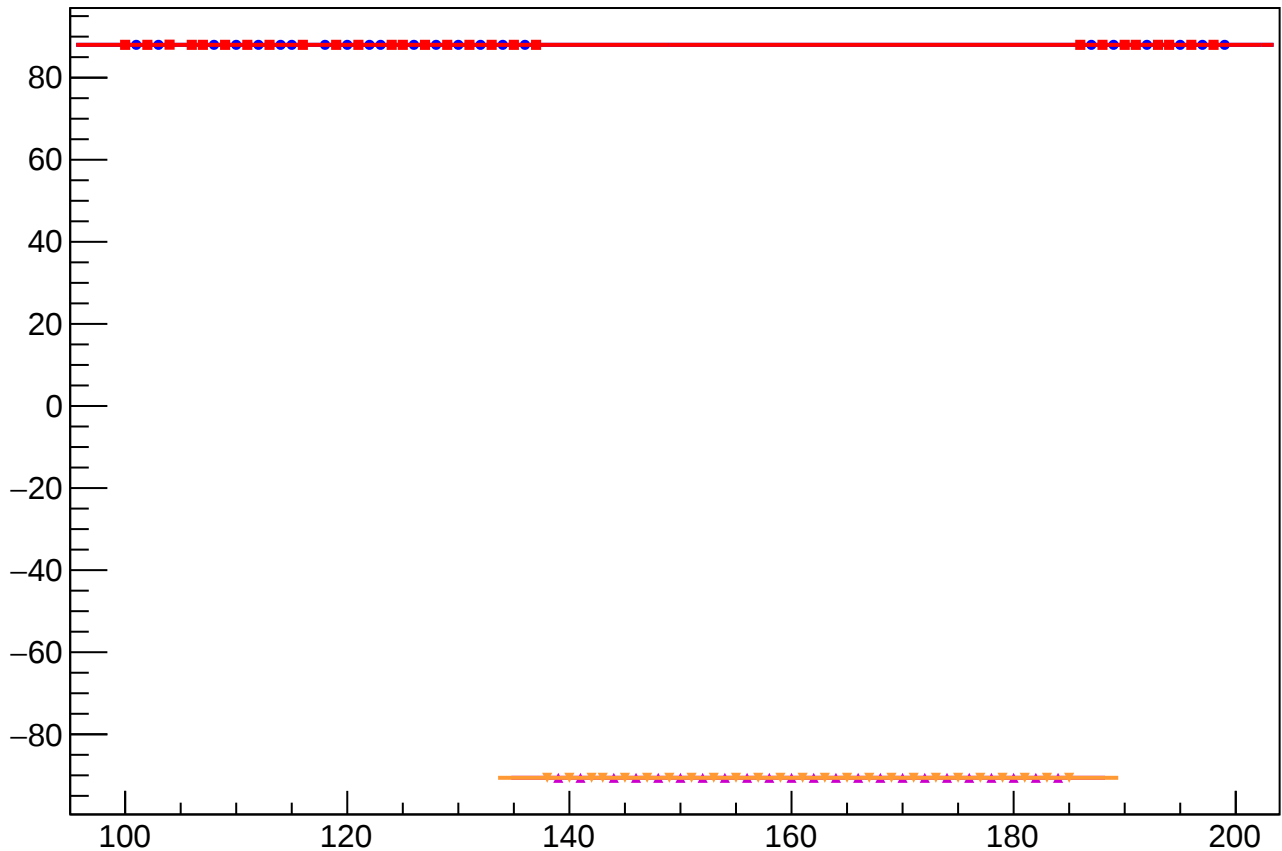
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:878356.2/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3721703.2/47

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 7726238.1/97

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3985318.6/49

epics_VWienAngles_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 3513094.2/22

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 5785821.4/24

Right Out: 88.002 $\pm$ 0.000 χ^2 /NDF: 80021825320771164734989795328.0/26

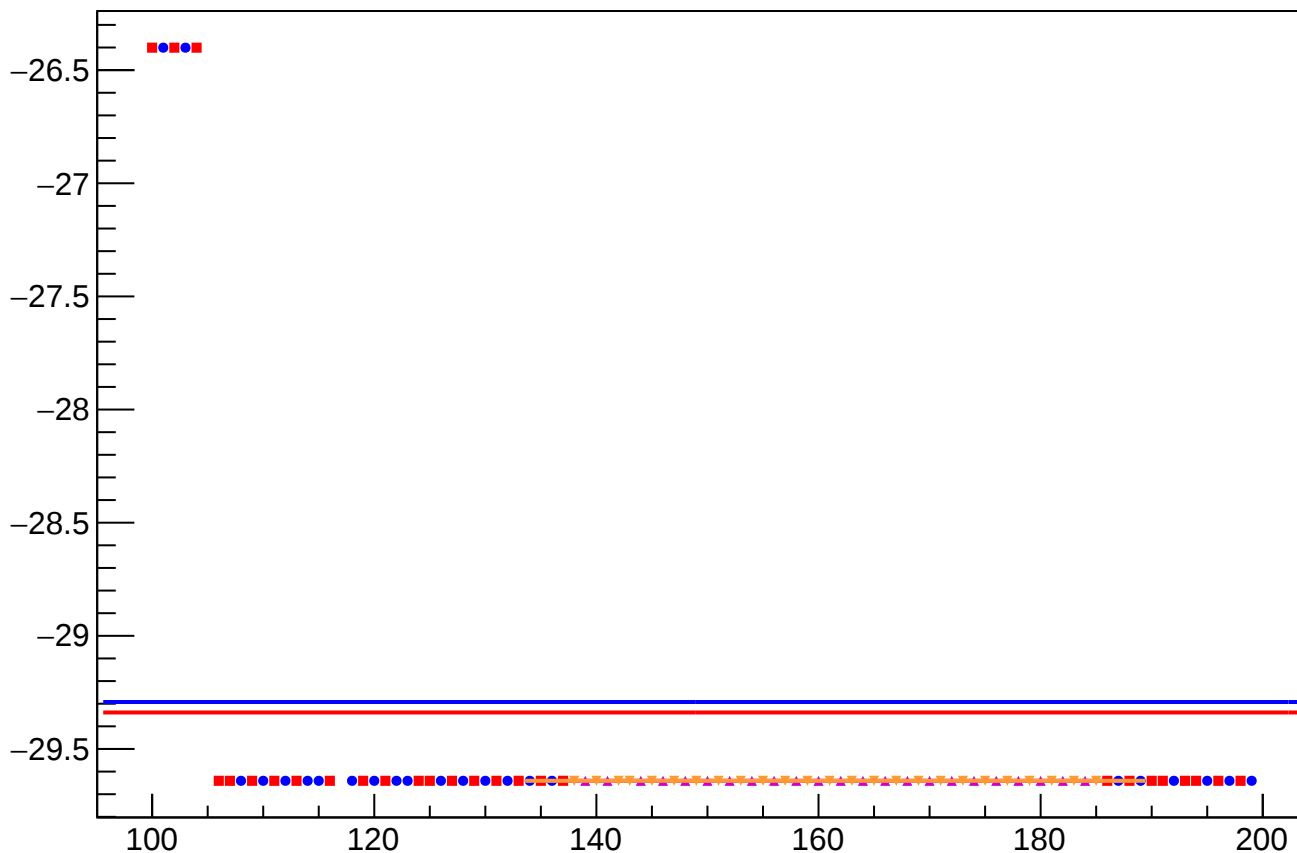
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 7134230.8/22

+ sign -25.297 $\pm$ 0.000 χ^2 /NDF: 222179966541458

All: -21.363 $\pm$ 0.000 χ^2 /NDF: 457650677638

- sign -17.479 $\pm$ 0.000 χ^2 /NDF: 2345471889643254

epics_HWienAngles_mean vs Slug



Right In: -29.293+/-0.000 χ^2/NDF : 1105594229508197963987030709895168.0/22

Left Out: -29.641+/-0.000 χ^2/NDF : 530354.3/24

Right Out: -29.339+/-0.000 χ^2/NDF : 1104263201927704281663099610595328.0/26

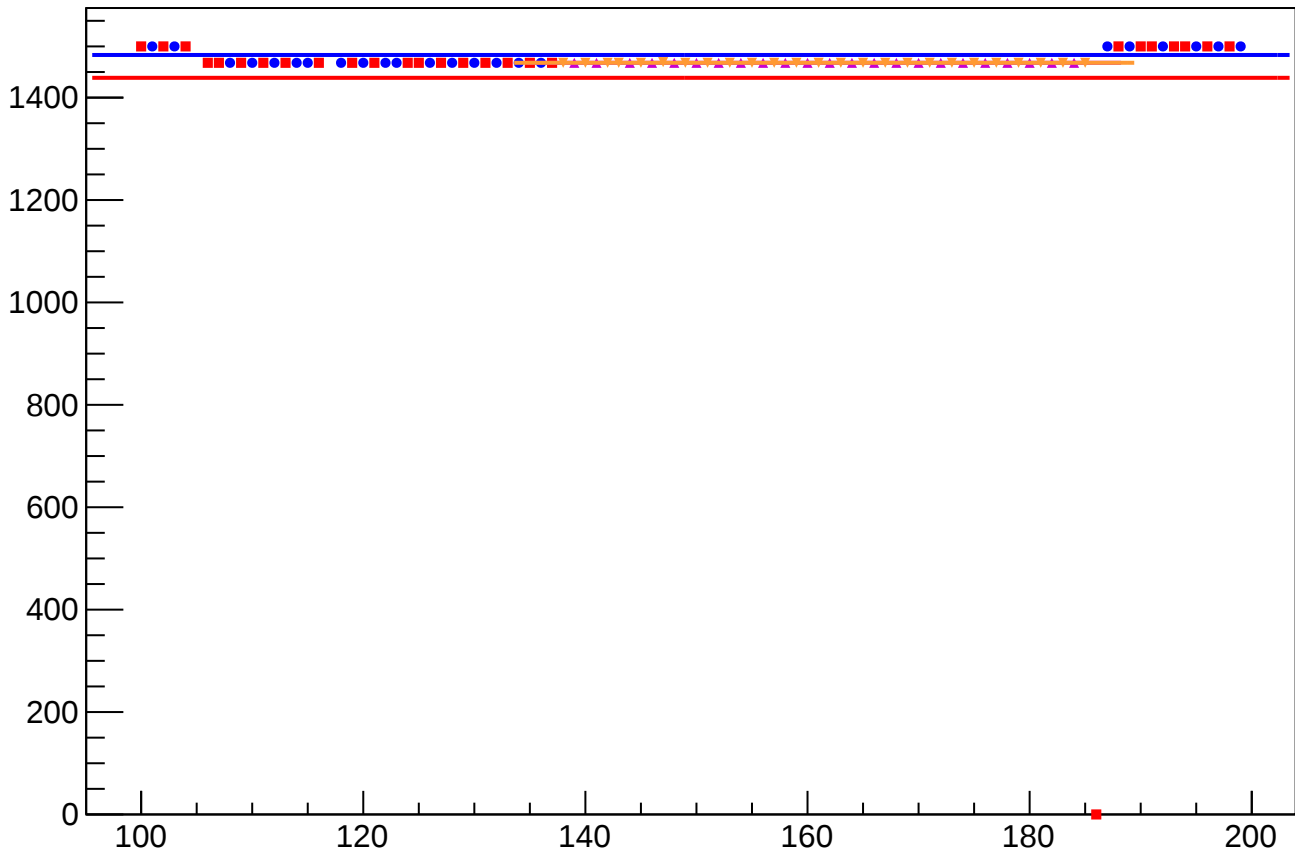
Left In: -29.641+/-0.000 χ^2/NDF : 382603.8/22

+ sign -29.513+/-0.000 χ^2/NDF : 119004261338659

All: -29.515+/-0.000 χ^2/NDF : 236133472931

- sign -29.517+/-0.000 χ^2/NDF : 1171271187109478

epics_psub_pl_poss_mean vs Slug



Right In: 1483.290+/-0.000 χ^2/NDF : 280926291526618192233760394030612480.0/22

+ sign 1473.621+/-0.000 χ^2/NDF : 44287564192797

Left Out: 1468.048+/-0.000 χ^2/NDF : 127949199501977668488138456039424.0/24

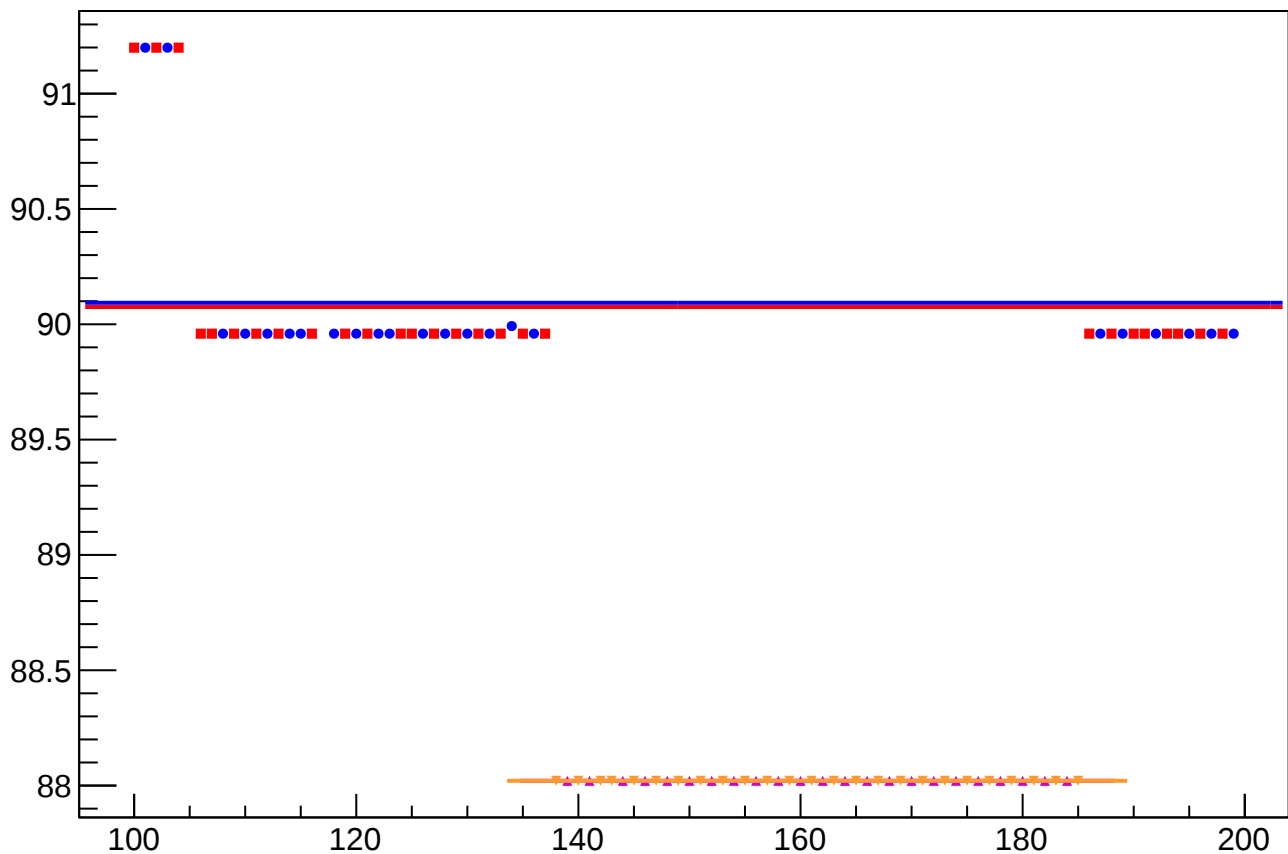
All: 1464.752+/-0.000 χ^2/NDF : 82981358472

Right Out: 1438.683+/-0.000 χ^2/NDF : 81437301282741478379576783010866921472.0/26

- sign 1455.994+/-0.000 χ^2/NDF : 82069005369725

Left In: 1467.994+/-0.000 χ^2/NDF : 14449772795444989723550941184.0/22

epics_Phi_FGs_mean vs Slug



Right In: 90.093 $\pm$ 0.000 χ^2 /NDF: 161775652236979254830111953780736.0/22

Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 5679798.5/24

Right Out: 90.075 $\pm$ 0.000 χ^2 /NDF: 161743169799235022468024595644416.0/26

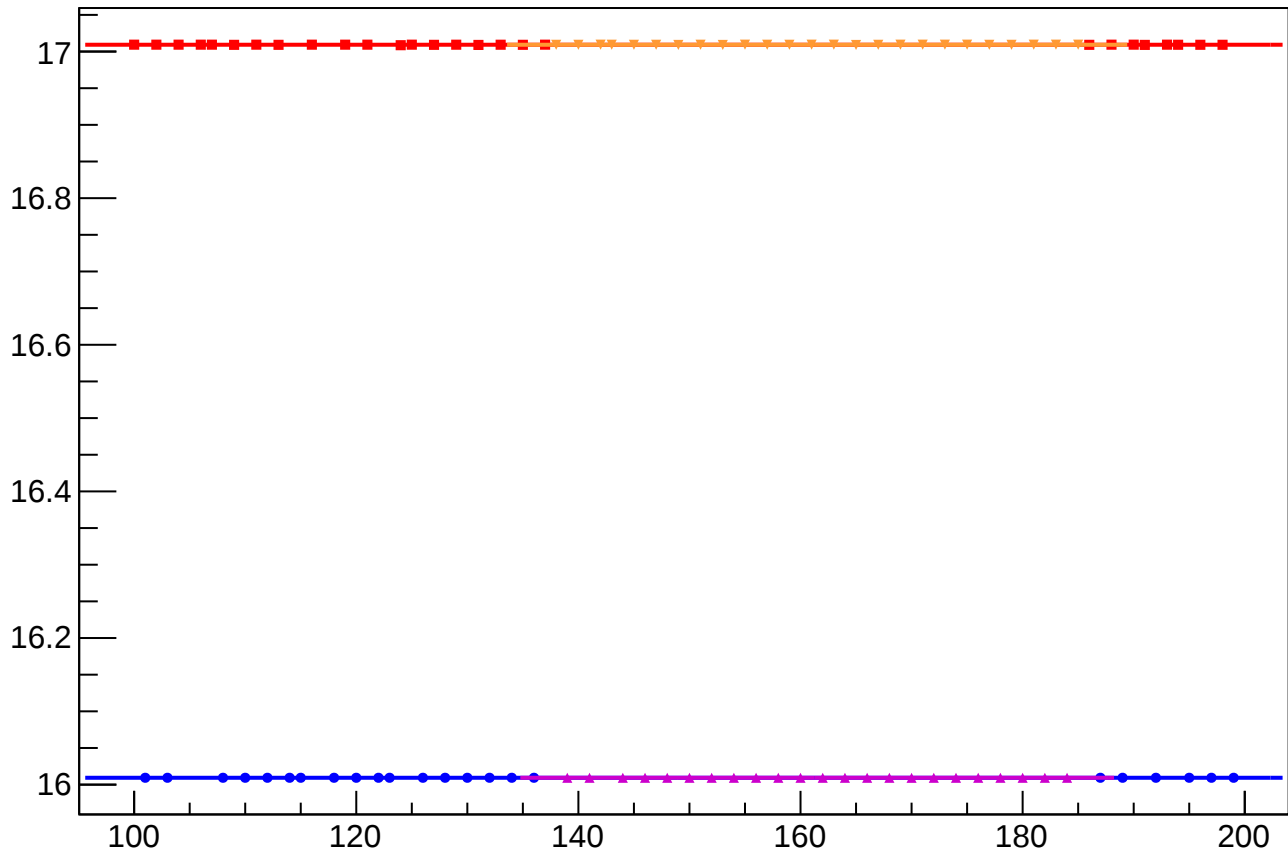
Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 6257169.0/22

+ sign 88.778 $\pm$ 0.000 χ^2 /NDF: 3153525851716523

All: 88.820 $\pm$ 0.000 χ^2 /NDF: 6428244872993

- sign 88.862 $\pm$ 0.000 χ^2 /NDF: 3264260533078804

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 177134.0/22

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 26194929080144976634970112.0/24

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 16500604474486560068206592.0/26

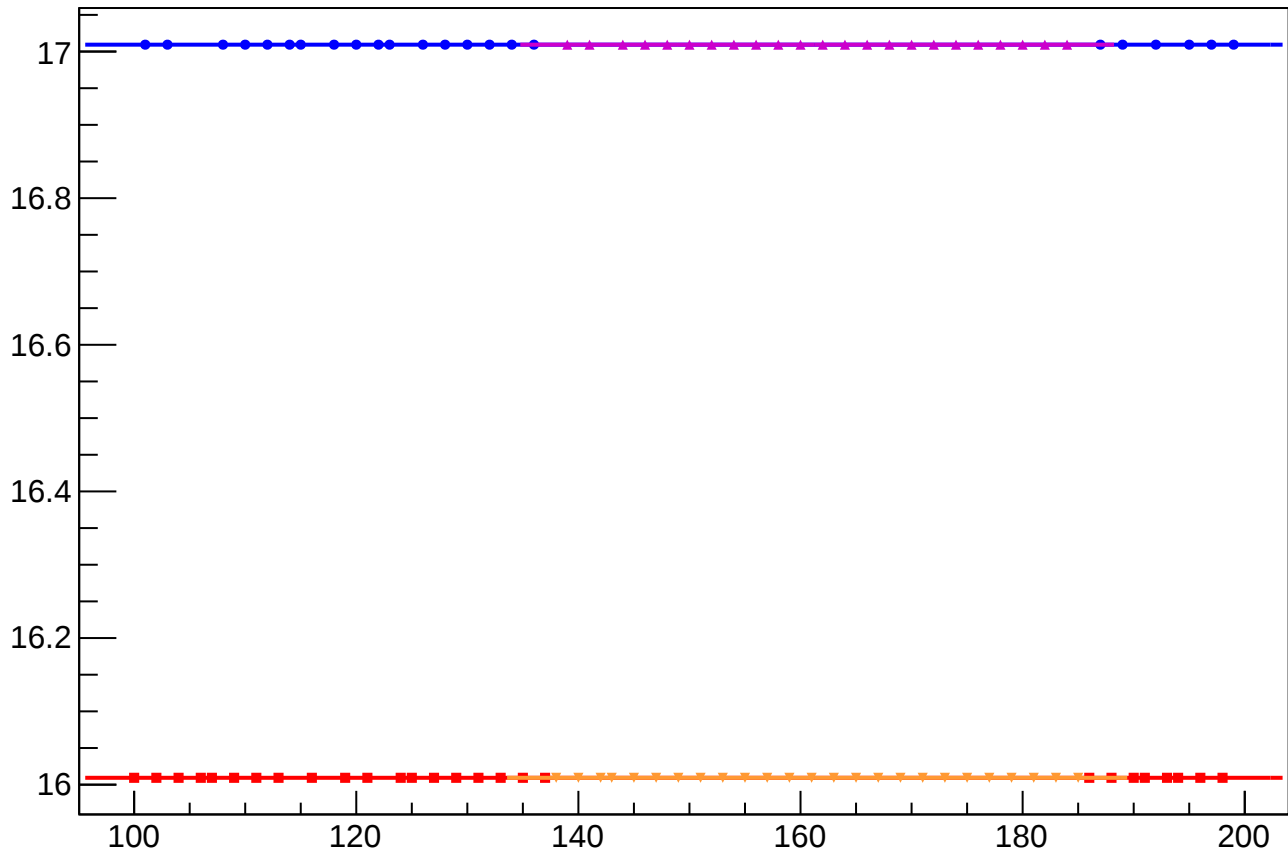
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127920993667935400624128.0/22

+ sign 16.633 $\pm$ 0.000 χ^2 /NDF: 6651646762683256

All: 16.528 $\pm$ 0.000 χ^2 /NDF: 1418195128867

- sign 16.423 $\pm$ 0.000 χ^2 /NDF: 6902815667830907

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009+/-0.000 χ^2 /NDF: 269172.0/22

Left Out: 16.009+/-0.000 χ^2 /NDF: 61253.5/24

Right Out: 16.009+/-0.000 χ^2 /NDF: 264779.6/26

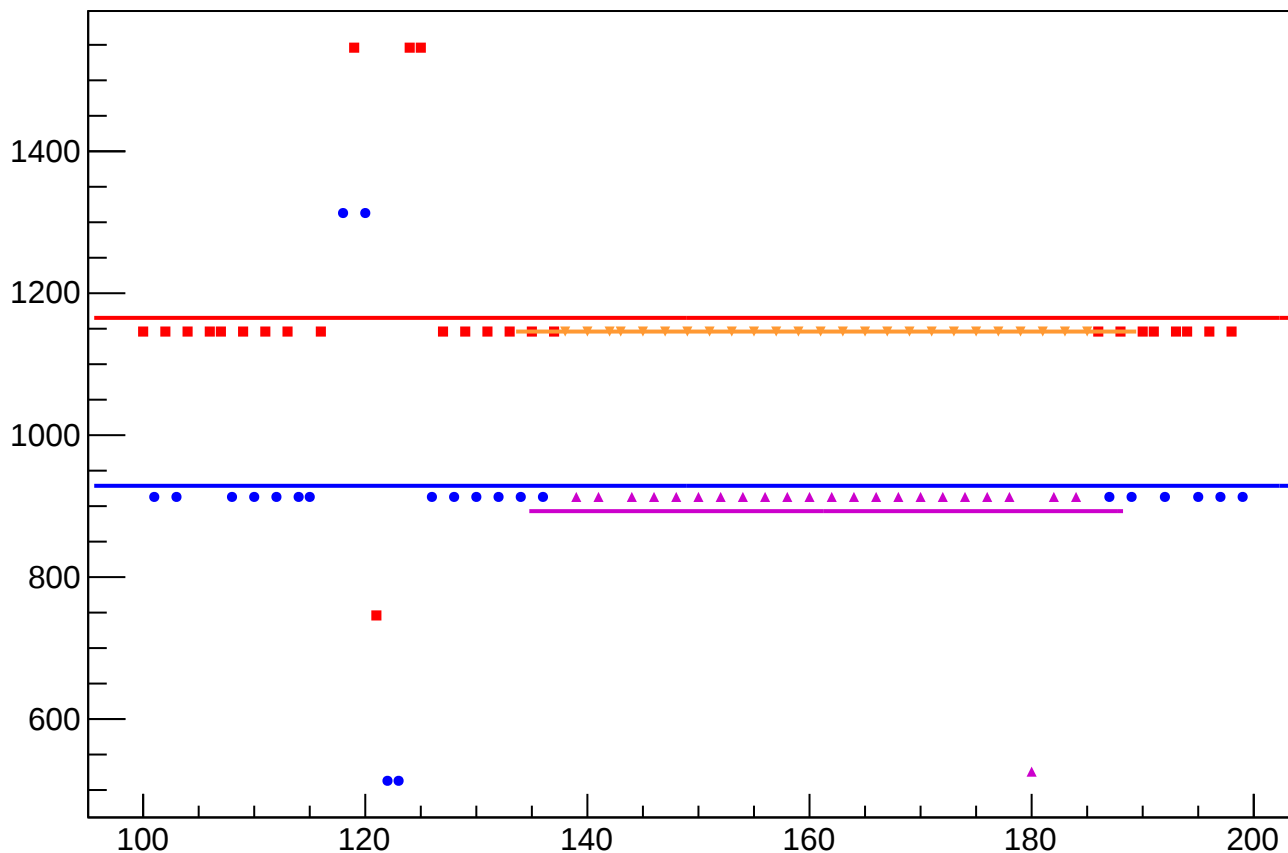
Left In: 17.009+/-0.000 χ^2 /NDF: 114986101427233622065152.0/22

+ sign 16.371+/-0.000 χ^2 /NDF: 6804024431625213

All: 16.484+/-0.000 χ^2 /NDF: 1480155577317

- sign 16.595+/-0.000 χ^2 /NDF: 7252359527769997

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 928.660 $\pm$ 0.000 χ^2 /NDF: 21011886699161826213990200235551358976.0/22

+ sign 1066.540 $\pm$ 0.000 χ^2 /NDF: 53917040338858

Left Out: 1146.011 $\pm$ 0.000 χ^2 /NDF: 8056834670270133849999540224.0/24

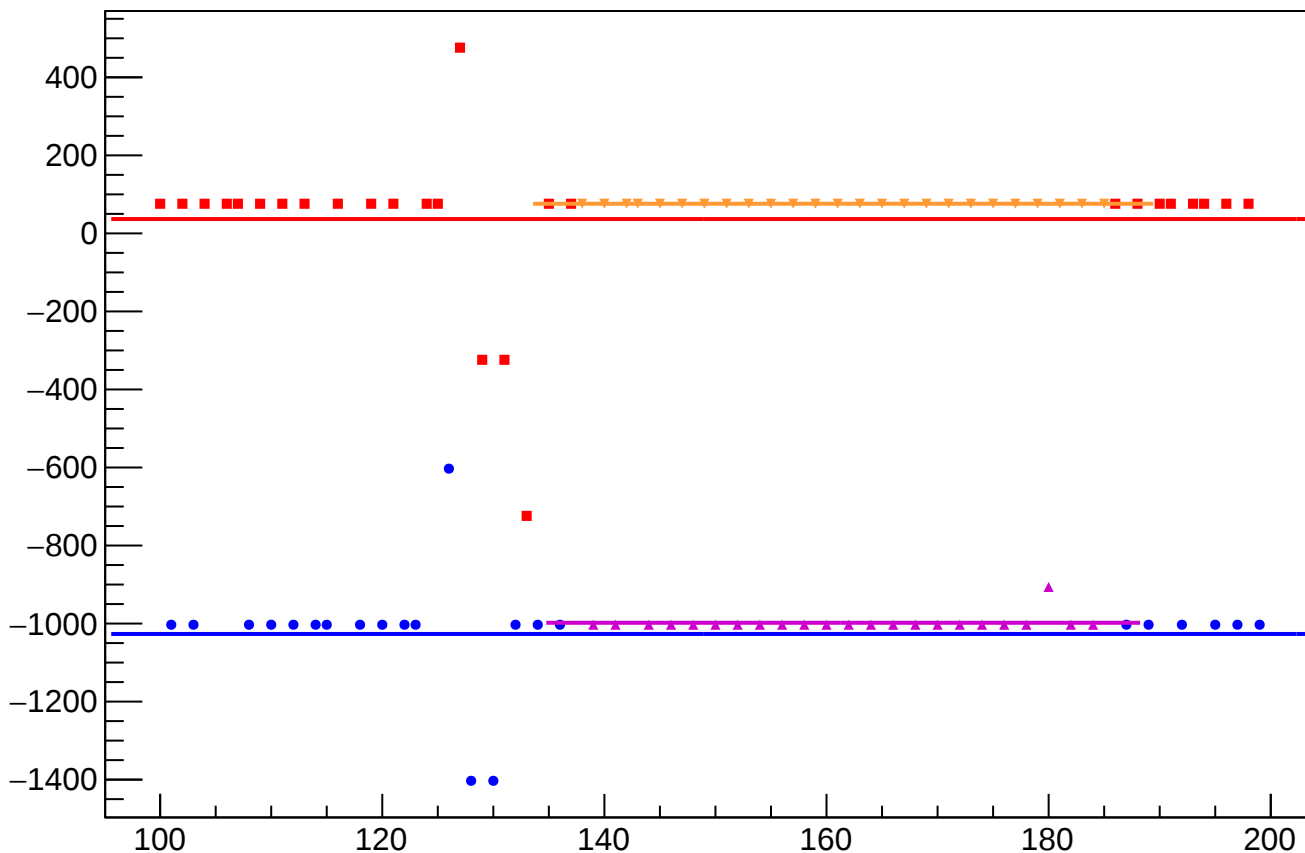
All: 1035.298 $\pm$ 0.000 χ^2 /NDF: 14910914492

Right Out: 1165.287 $\pm$ 0.000 χ^2 /NDF: 21618065084013468391252921642425253888.0/26

- sign 1004.446 $\pm$ 0.000 χ^2 /NDF: 89366445300088

Left In: 892.950 $\pm$ 0.000 χ^2 /NDF: 13213852485930520518972295012897783808.0/22

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1026.669+/-0.000 χ^2/NDF : 22583977769694428185749484369742921728.0/22

Left Out: 76.011+/-0.000 χ^2/NDF : 11479003589933272170007363584.0/24 + sign -327.167+/-0.000 χ^2/NDF : 86950123847032

Right Out: 36.813+/-0.000 χ^2/NDF : 45126896423442663250284951167110742016.0/26 All: -451.525+/-0.000 χ^2/NDF : 17951022518

Left In: -997.979+/-0.000 χ^2/NDF : 825858066518991041870194619245920256.0/22 - sign -574.330+/-0.000 χ^2/NDF : 833298222404905