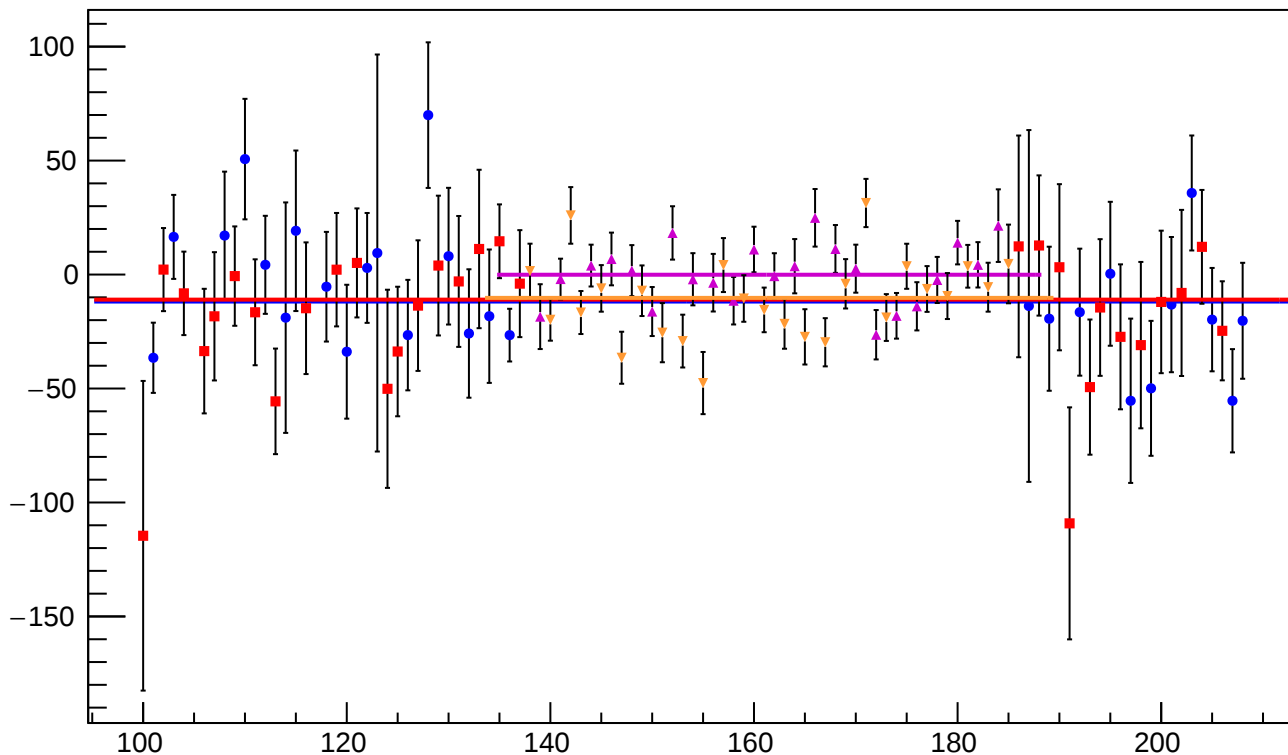


diff_bpm4aX_mean vs Slug



Right In: -11.841 ± 4.704

χ^2/NDF : 34.1/27

Left Out: -10.238 ± 2.170

χ^2/NDF : 58.1/24

Right Out: -11.003 ± 4.821

χ^2/NDF : 21.4/30

Left In: -0.080 ± 2.251

χ^2/NDF : 29.9/22

+ sign -10.520 ± 1.971

χ^2/NDF : 92.4/52

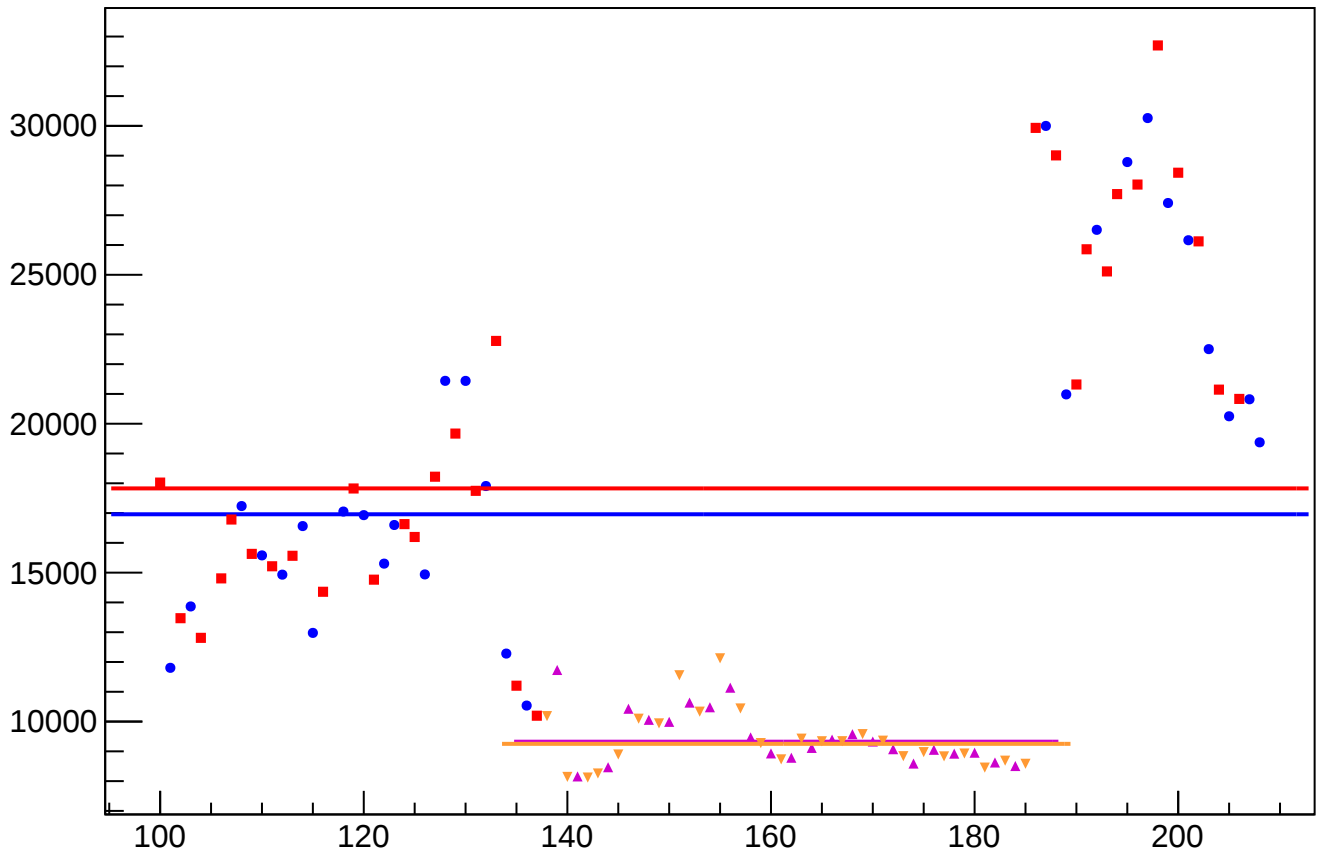
All: -6.422 ± 1.417

χ^2/NDF : 156.7/106

- sign -2.035 ± 2.039

χ^2/NDF : 55.4/53

diff_bpm4aX_rms vs Slug



Right In: 16959.681+/-3.326 χ^2/NDF : 2641891.5/27

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

Right Out: 17828.111+/-3.409 χ^2/NDF : 2760193.5/30

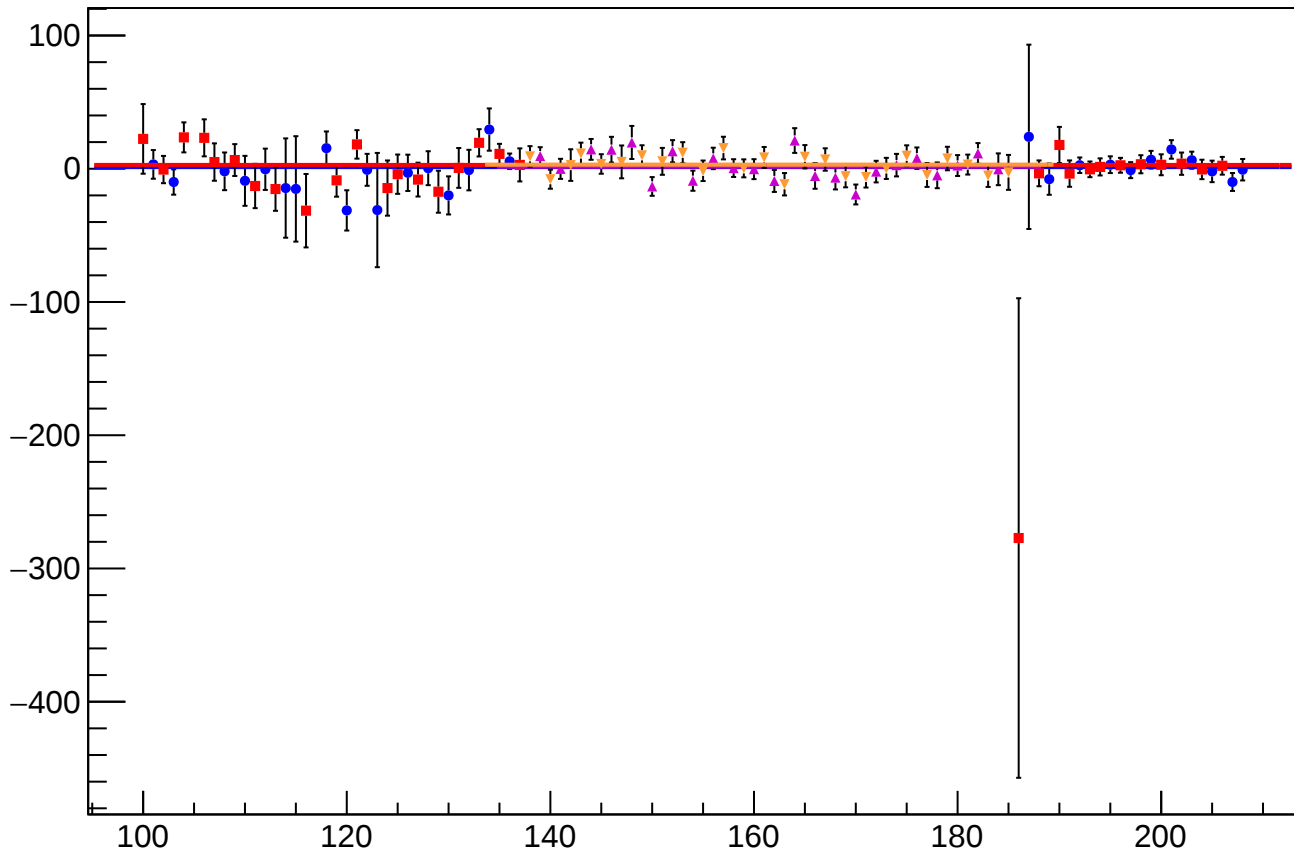
Left In: 9323.983+/-1.591 χ^2/NDF : 275717.0/22

+ sign 10604.367+/-1.393 χ^2/NDF : 7401175.4/52

All: 10720.829+/-1.002 χ^2/NDF : 15561028.6

- sign 10845.547+/-1.442 χ^2/NDF : 8145387.4/53

diff_bpm4aY_mean vs Slug



Right In: 1.233 ± 1.778 χ^2/NDF : 23.6/27

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

Right Out: 2.892 ± 1.766 χ^2/NDF : 25.2/30

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

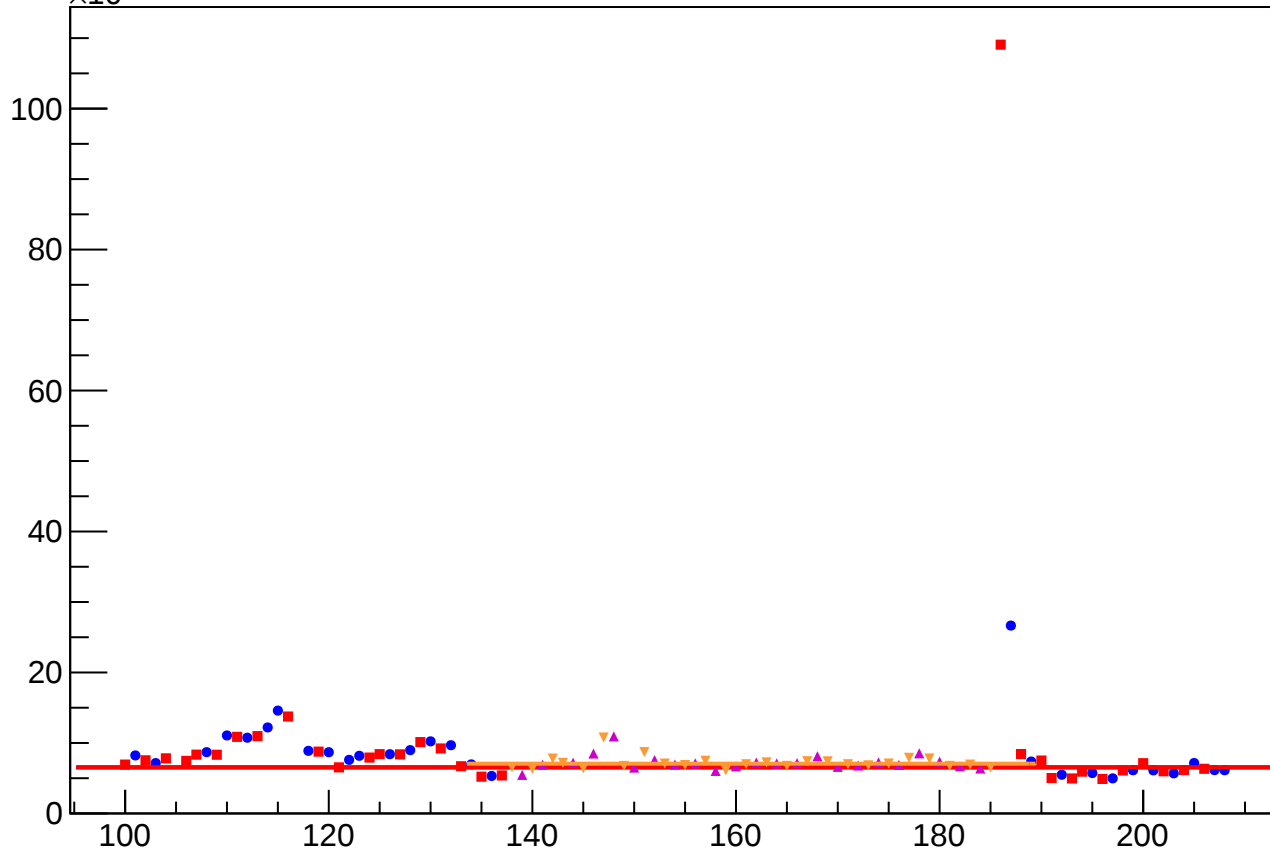
+ sign 2.191 ± 1.214 χ^2/NDF : 42.8/52

All: 2.204 ± 0.862 χ^2/NDF : 103.8/106

- sign 2.217 ± 1.226 χ^2/NDF : 61.0/53

diff_bpm4aY_rms vs Slug

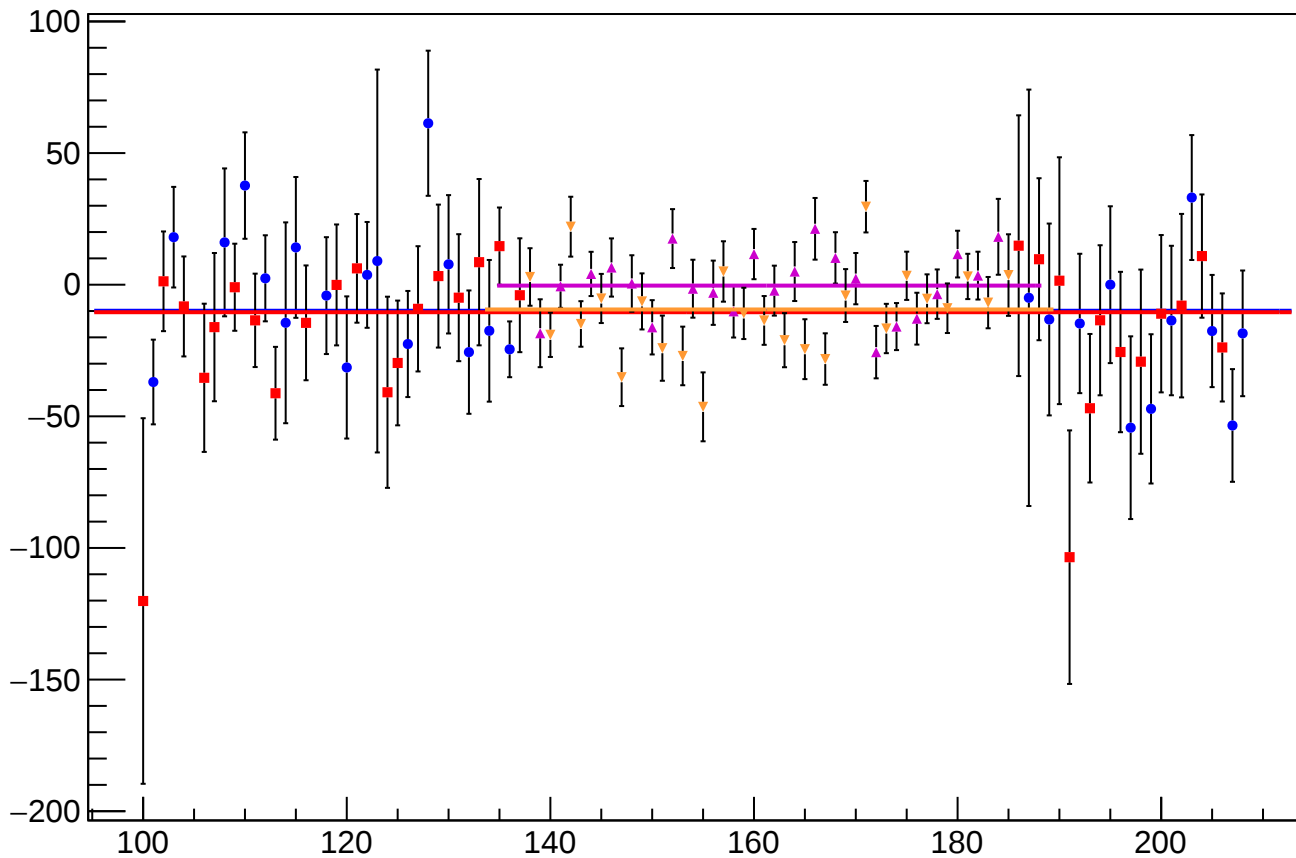
$\times 10^3$



Right In: 6532.727 $\pm$ 1.257 χ^2 /NDF: 1530801.8/27
 Left Out: 7064.457 $\pm$ 1.174 χ^2 /NDF: 386814.9/24
 Right Out: 6552.169 $\pm$ 1.249 χ^2 /NDF: 2102086.7/30
 Left In: 7014.572 $\pm$ 1.204 χ^2 /NDF: 525313.7/22

+ sign 6816.730 $\pm$ 0.858 χ^2 /NDF: 2013154.8/52
 All: 6804.390 $\pm$ 0.610 χ^2 /NDF: 4712042.7/10
 - sign 6791.804 $\pm$ 0.867 χ^2 /NDF: 2698470.3/53

diff_bpm4eX_mean vs Slug



Right In: -9.900 ± 4.294 χ^2/NDF : 35.2/27

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

Right Out: -10.450 ± 4.355 χ^2/NDF : 21.0/30

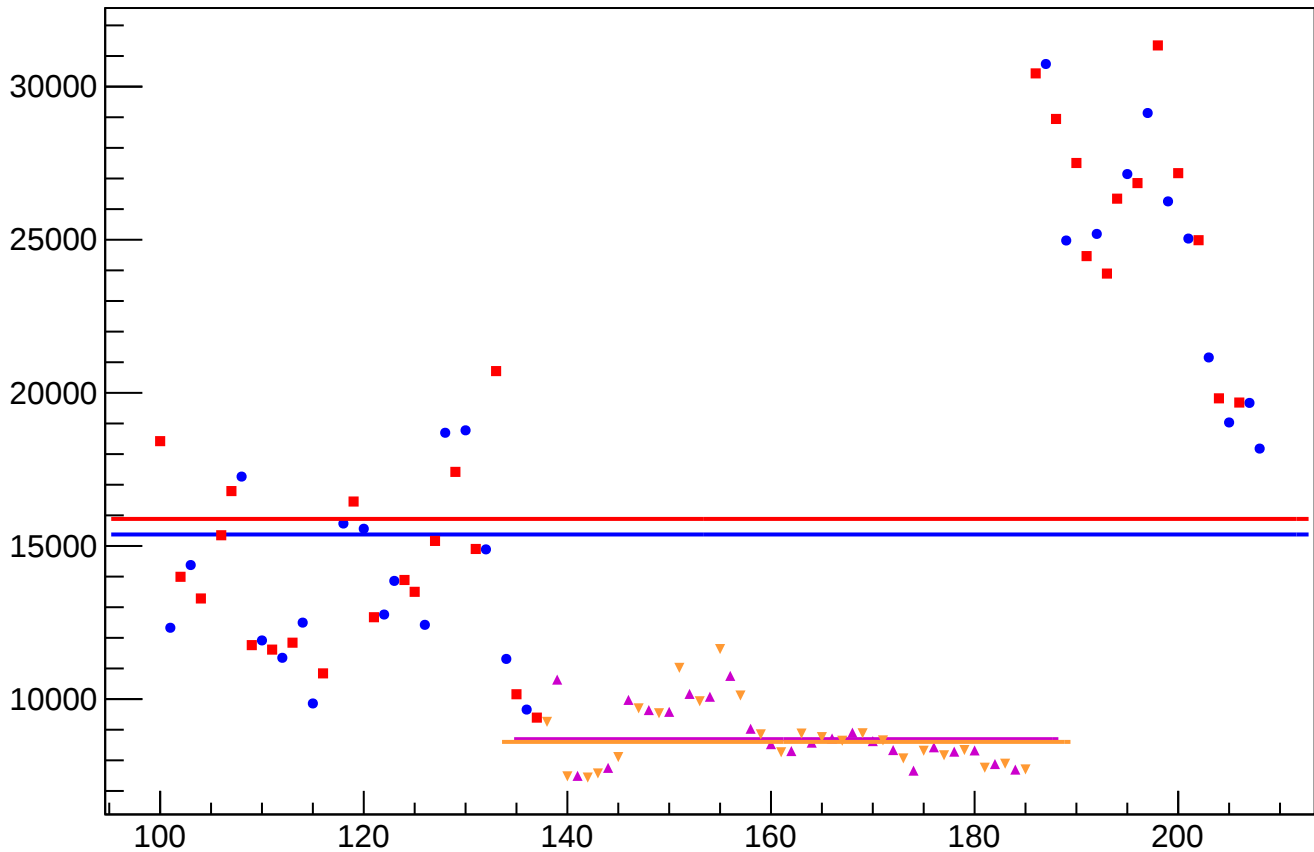
Left In: -0.344 ± 2.100 χ^2/NDF : 29.9/22

+ sign -9.500 ± 1.829 χ^2/NDF : 94.0/52

All: -5.999 ± 1.315 χ^2/NDF : 156.9/106

- sign -2.251 ± 1.892 χ^2/NDF : 55.3/53

diff_bpm4eX_rms vs Slug



Right In: 15375.542+/-3.036 χ^2/NDF : 3060522.4/27

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

+ sign 9830.733+/-1.293 χ^2/NDF : 7573892.5/52

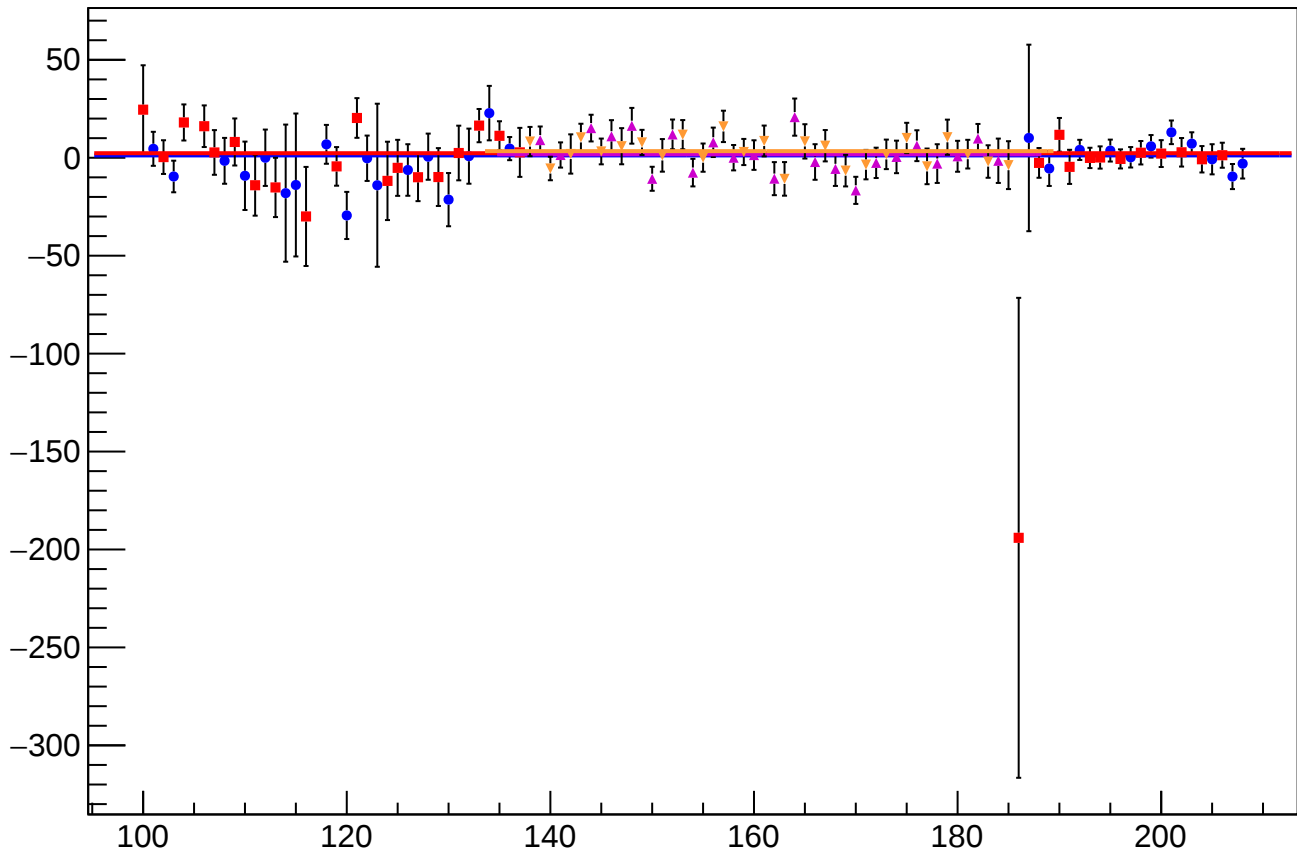
Right Out: 15883.654+/-3.079 χ^2/NDF : 3480536.7/30

All: 9936.042+/-0.930 χ^2/NDF : 15859566.4/100

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

- sign 10048.774+/-1.338 χ^2/NDF : 8271939.2/53

diff_bpm4eY_mean vs Slug



Right In: 1.197 $\pm$ 1.594 χ^2 /NDF: 25.5/27

Left Out: 3.374 $\pm$ 1.552 χ^2 /NDF:17.2/24

Right Out: 2.324 $\pm$ 1.558 χ^2 /NDF: 25.9/30

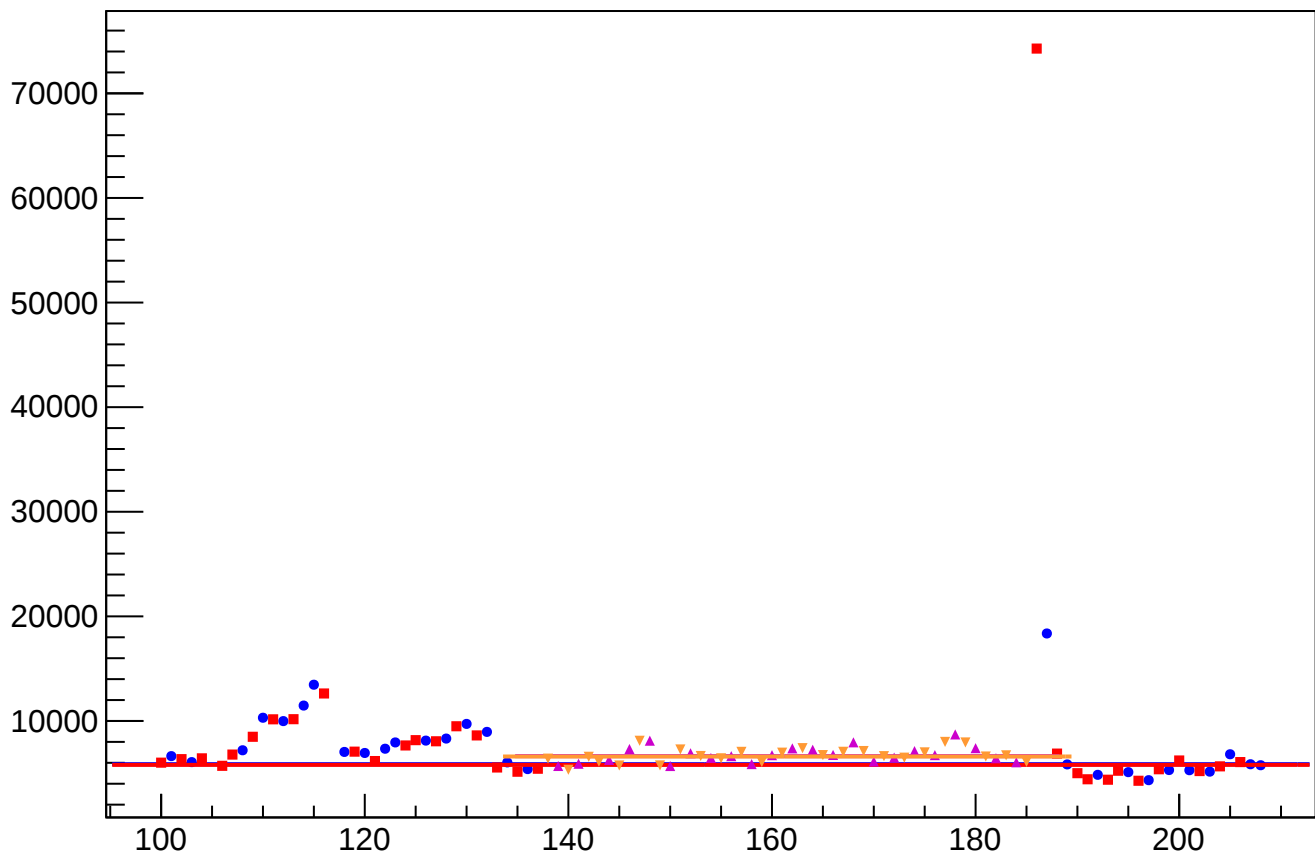
Left In: 1.756 $\pm$ 1.607 χ^2 /NDF:33.5/22

+ sign 2.315 $\pm$ 1.112 χ^2 /NDF: 43.6/52

All: 2.183 $\pm$ 0.789 χ^2 /NDF: 103.2/106

- sign 2.049 $\pm$ 1.119 χ^2 /NDF: 59.5/53

diff_bpm4eY_rms vs Slug



Right In: 5870.070+/-1.127 χ^2/NDF : 1492674.8/27

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

Right Out: 5802.732+/-1.102 χ^2/NDF : 2132962.4/30

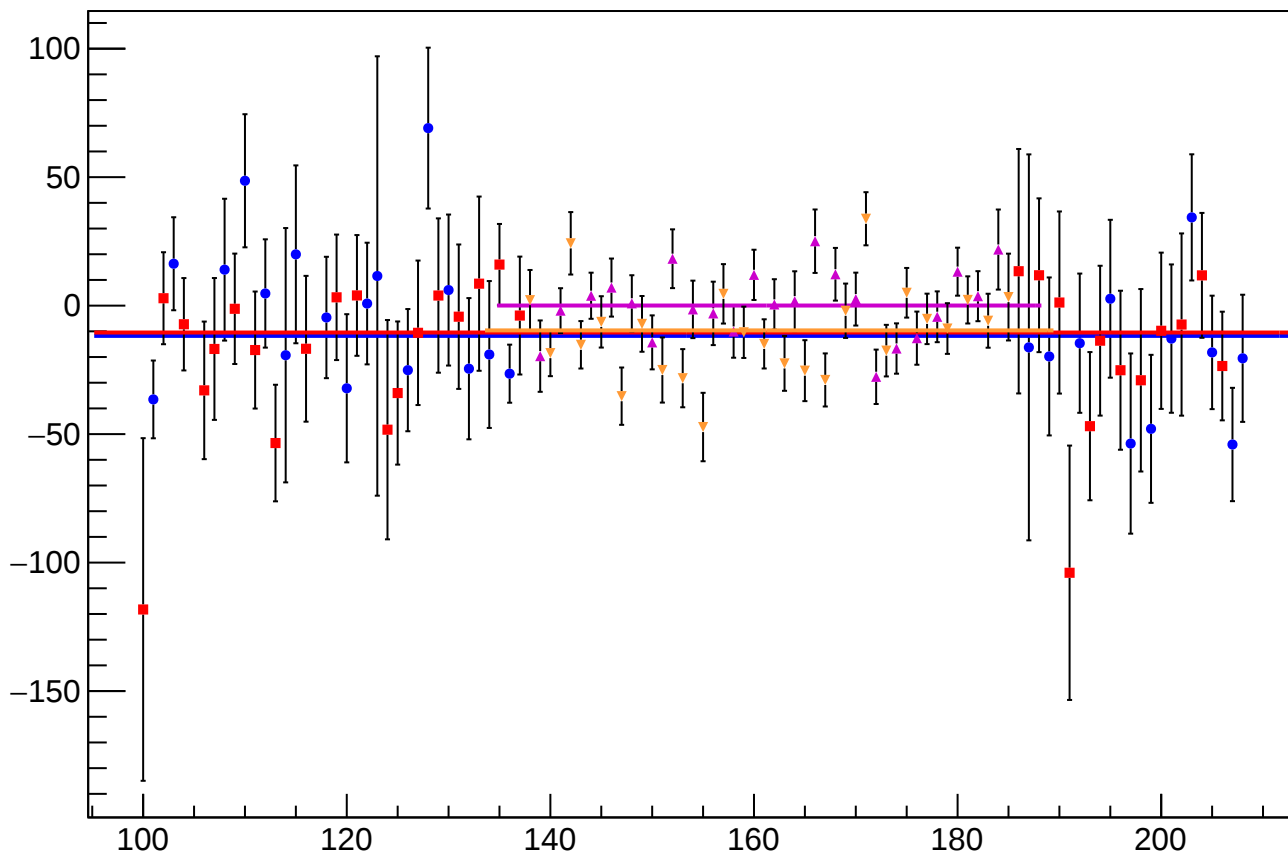
Left In: 6637.155+/-1.136 χ^2/NDF : 415547.5/22

+ sign 6246.921+/-0.786 χ^2/NDF : 2105538.9/52

All: 6227.142+/-0.558 χ^2/NDF : 4933220.8/10

- sign 6207.123+/-0.791 χ^2/NDF : 2826408.8/53

diff_bpm4acX_mean vs Slug



Right In: -11.769 ± 4.601 χ^2/NDF : 33.9/27

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

Right Out: -10.461 ± 4.717 χ^2/NDF : 21.4/30

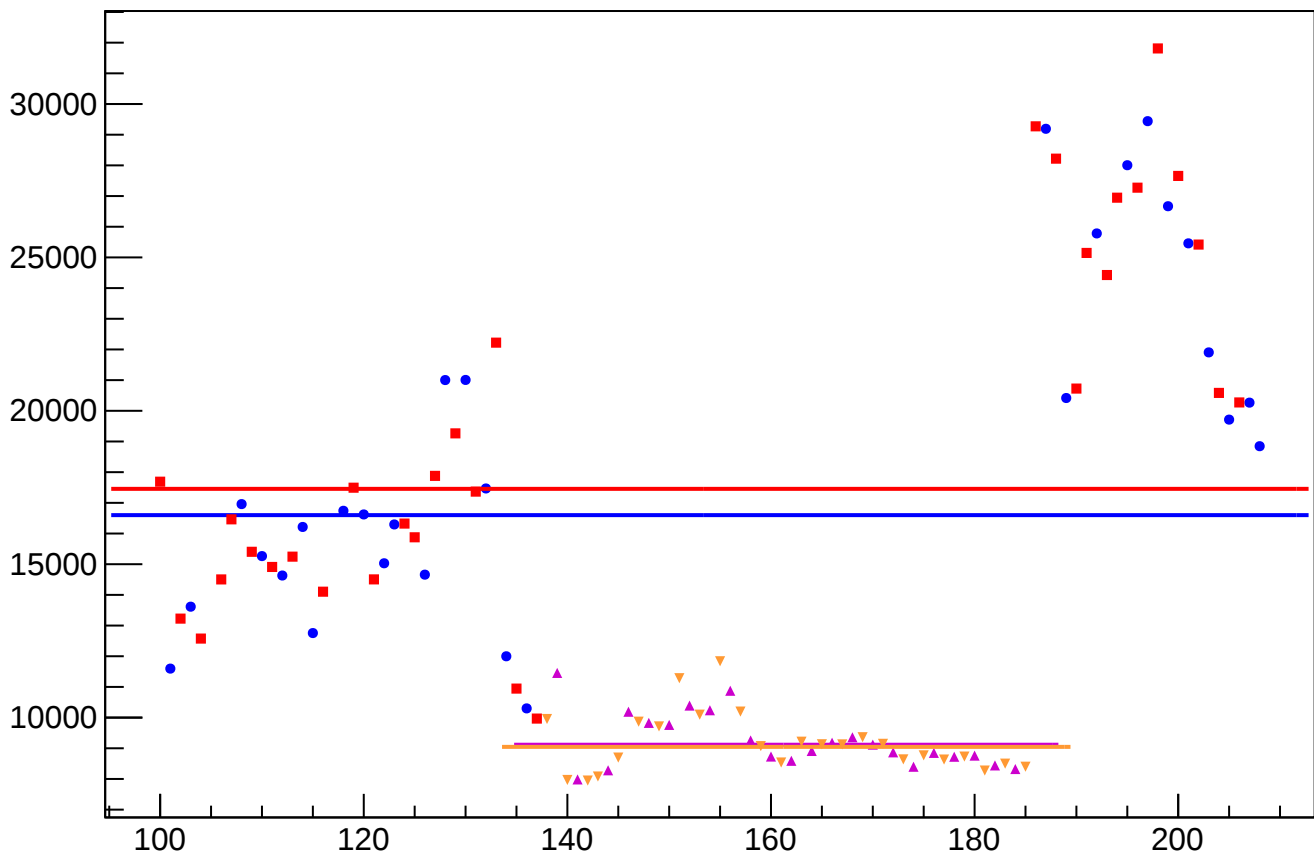
Left In: 0.042 ± 2.200 χ^2/NDF : 30.8/22

+ sign -10.013 ± 1.927 χ^2/NDF : 93.9/52

All: -6.064 ± 1.386 χ^2/NDF : 158.8/106

- sign -1.835 ± 1.994 χ^2/NDF : 56.2/53

diff_bpm4acX_rms vs Slug



Right In: 16599.616+/-3.253 χ^2/NDF : 2601595.0/27

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

+ sign 10370.586+/-1.362 χ^2/NDF : 7375709.4/52

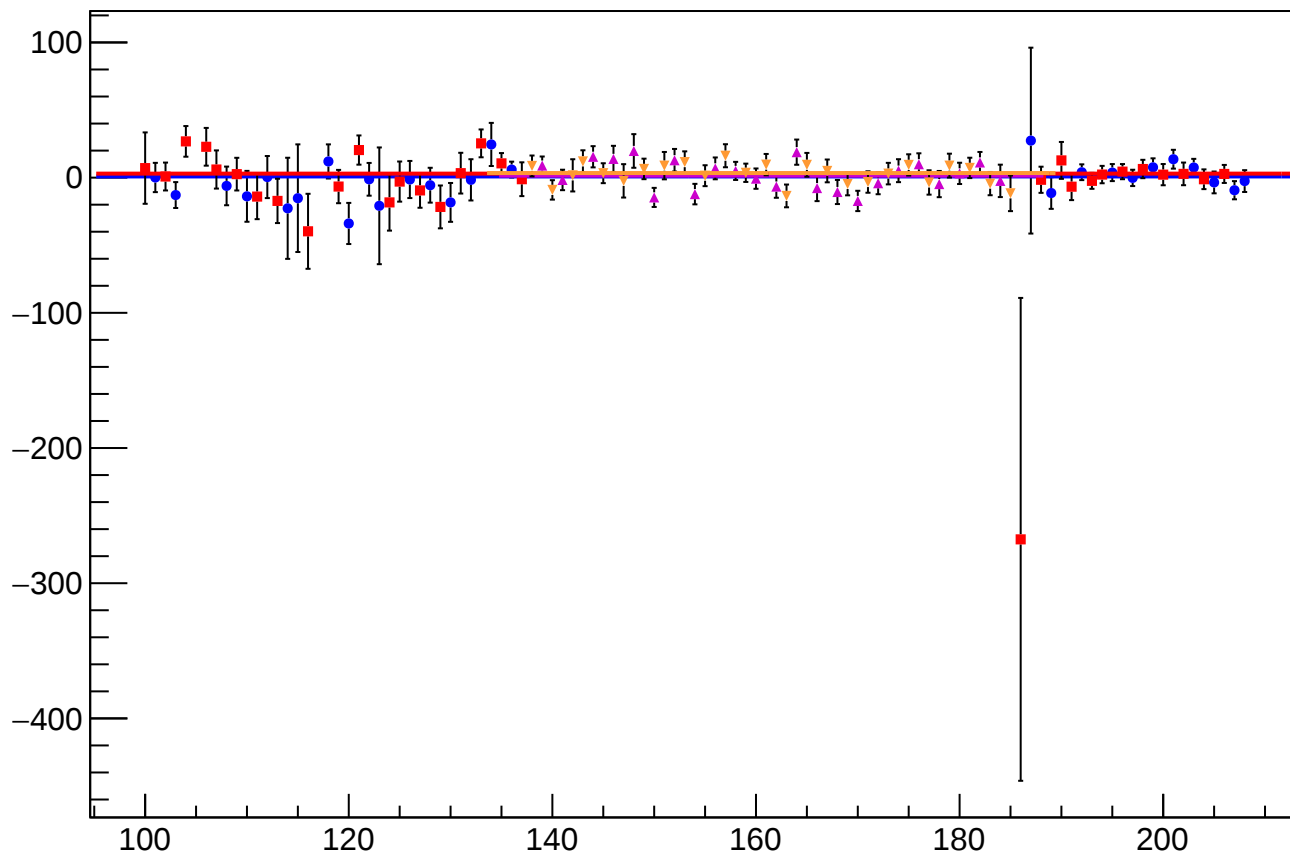
Right Out: 17456.163+/-3.335 χ^2/NDF : 2713832.4/30

All: 10484.421+/-0.980 χ^2/NDF : 15512740.5

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

- sign 10606.328+/-1.410 χ^2/NDF : 8122573.4/53

diff_bpm4acY_mean vs Slug



Right In: 0.882 ± 1.784 χ^2/NDF : 24.8/27

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

Right Out: 2.966 ± 1.773 χ^2/NDF : 30.5/30

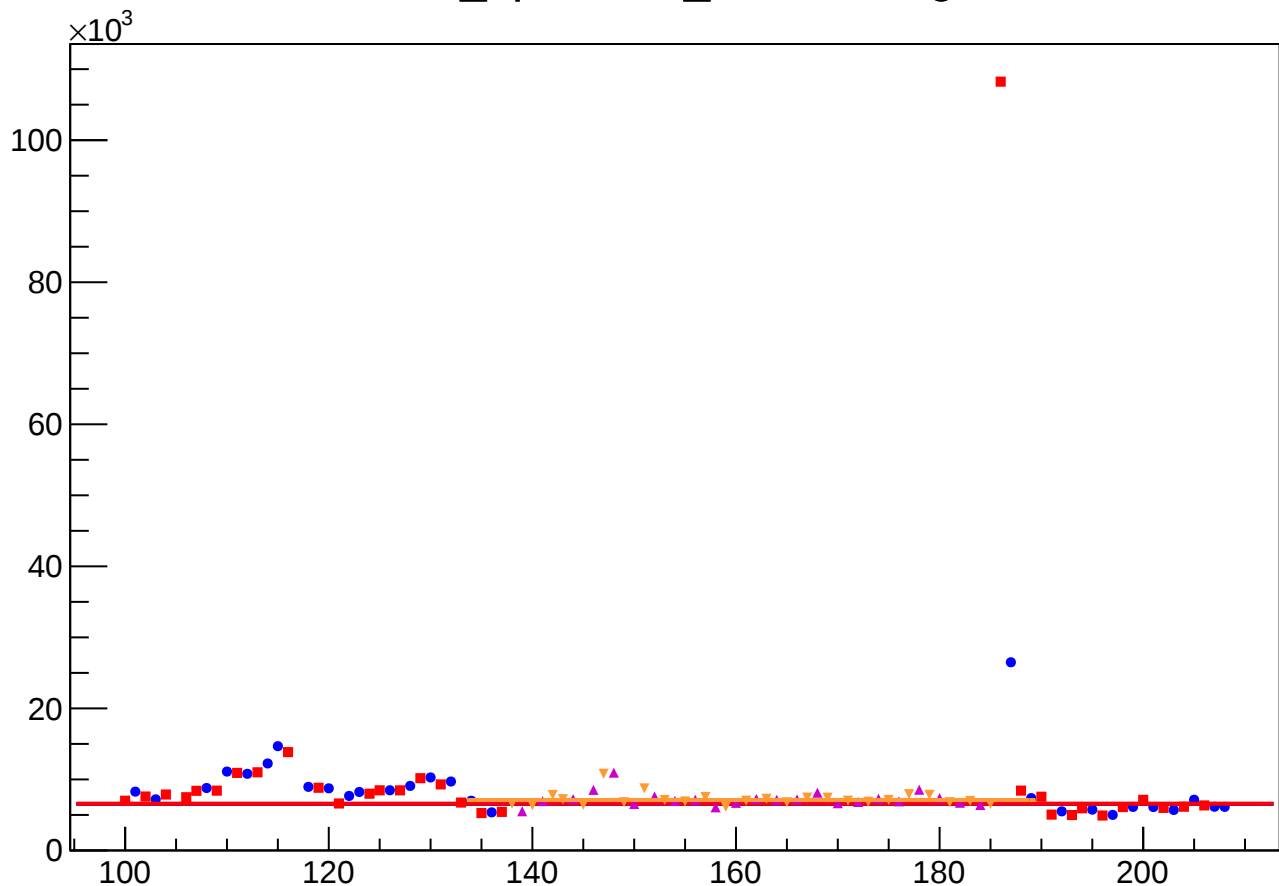
Left In: 1.479 ± 1.710 χ^2/NDF : 36.7/22

+ sign 2.219 ± 1.218 χ^2/NDF : 45.2/52

All: 2.208 ± 0.866 χ^2/NDF : 112.9/106

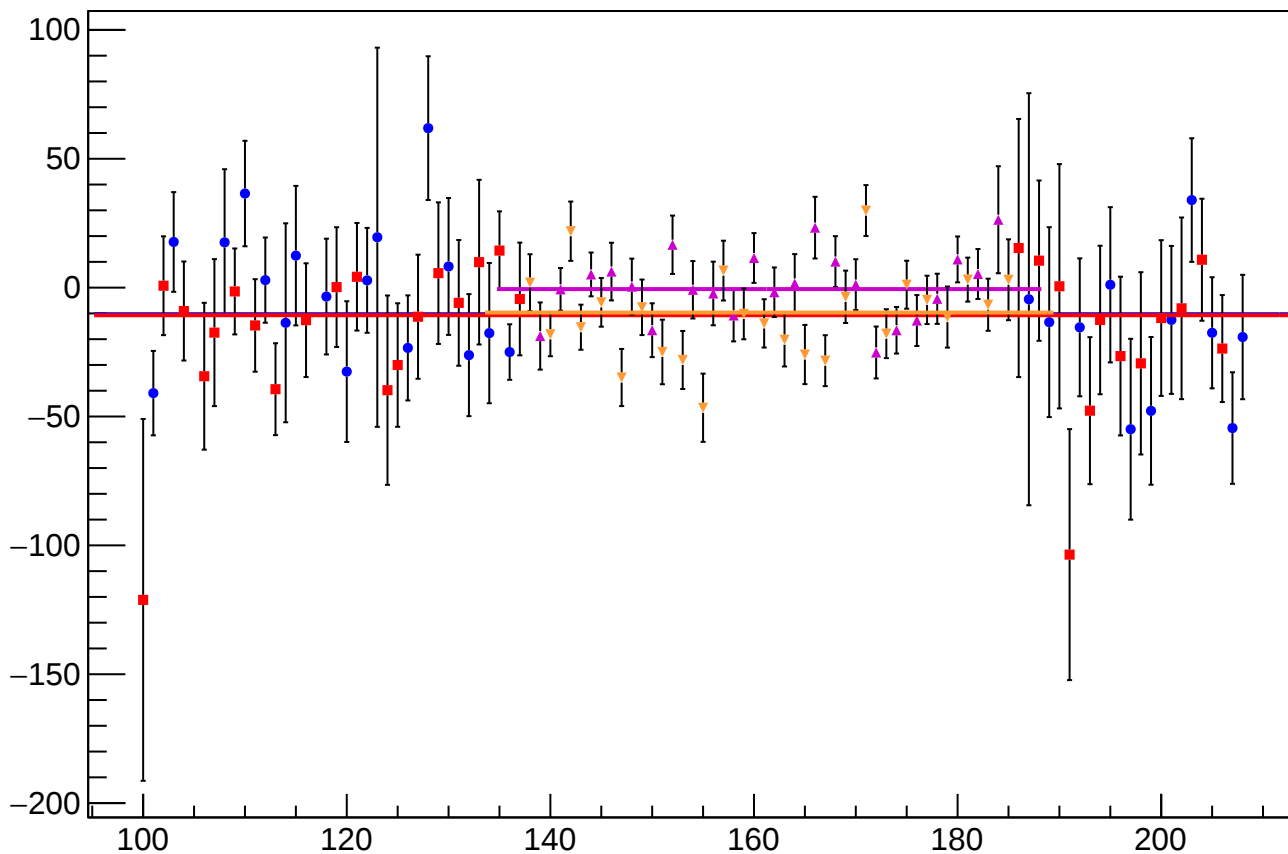
- sign 2.196 ± 1.231 χ^2/NDF : 67.6/53

diff_bpm4acY_rms vs Slug



Right In: 6554.873 ± 1.262 $\chi^2/\text{NDF}: 1540259.1/27$ + sign 6843.826 ± 0.862 $\chi^2/\text{NDF}: 2020512.6/52$
 Left Out: 7096.350 ± 1.179 $\chi^2/\text{NDF}: 381942.1/24$ All: 6832.873 ± 0.612 $\chi^2/\text{NDF}: 4717913.6/10$
 Right Out: 6579.262 ± 1.254 $\chi^2/\text{NDF}: 2107452.5/30$ - sign 6821.694 ± 0.870 $\chi^2/\text{NDF}: 2697074.4/53$
 Left In: 7047.269 ± 1.209 $\chi^2/\text{NDF}: 517433.5/22$

diff_bpm4ecX_mean vs Slug



Right In: -10.312 ± 4.348 χ^2/NDF : 35.8/27

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

Right Out: -10.705 ± 4.413 χ^2/NDF : 20.0/30

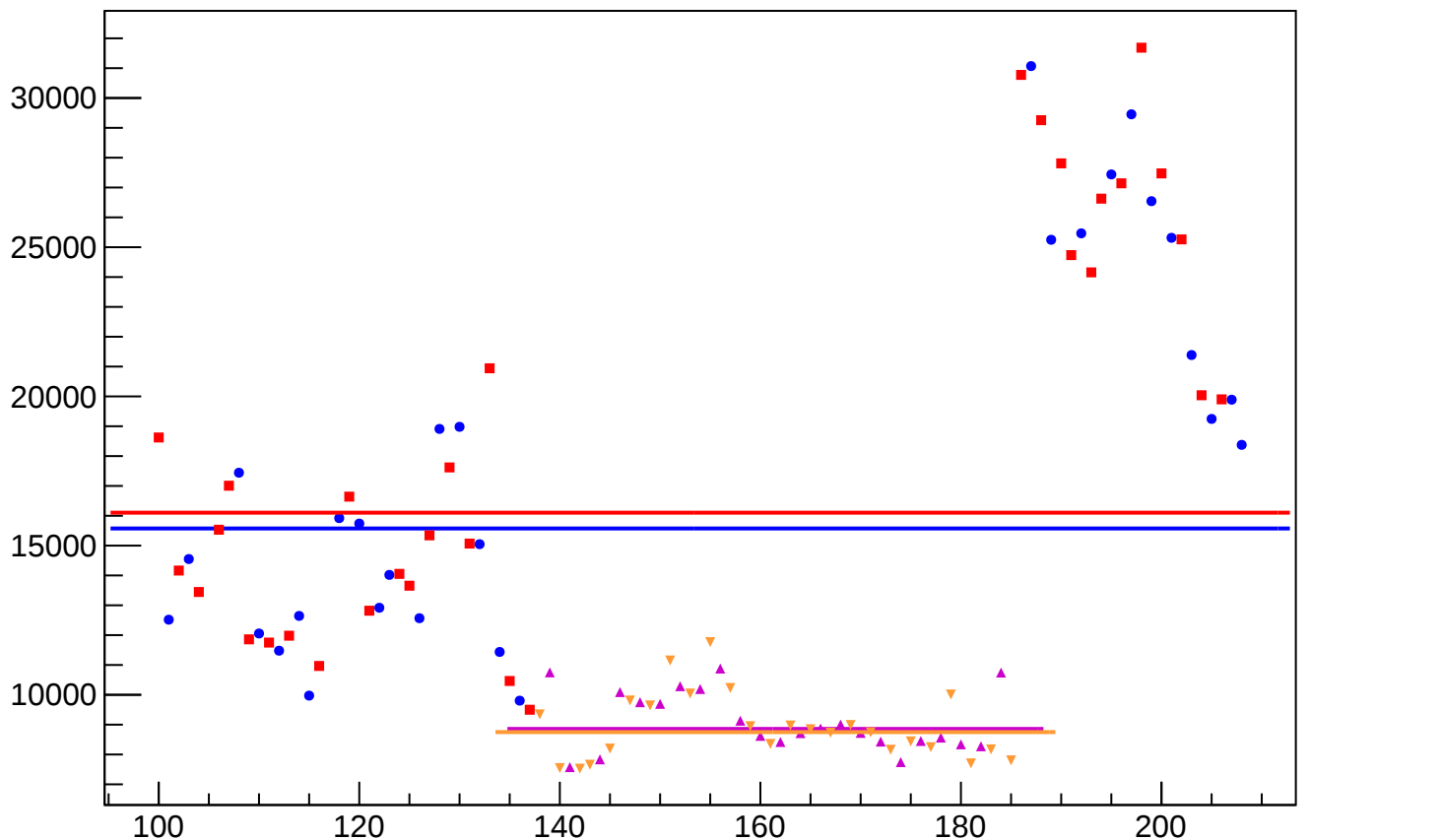
Left In: -0.564 ± 2.144 χ^2/NDF : 29.7/22

+ sign -9.788 ± 1.862 χ^2/NDF : 93.8/52

All: -6.271 ± 1.339 χ^2/NDF : 155.2/106

- sign -2.500 ± 1.928 χ^2/NDF : 54.1/53

diff_bpm4ecX_rms vs Slug



Right In: 15574.069+/-3.075 χ^2/NDF : 3039521.2/27

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

Right Out: 16103.653+/-3.121 χ^2/NDF : 3445515.1/30

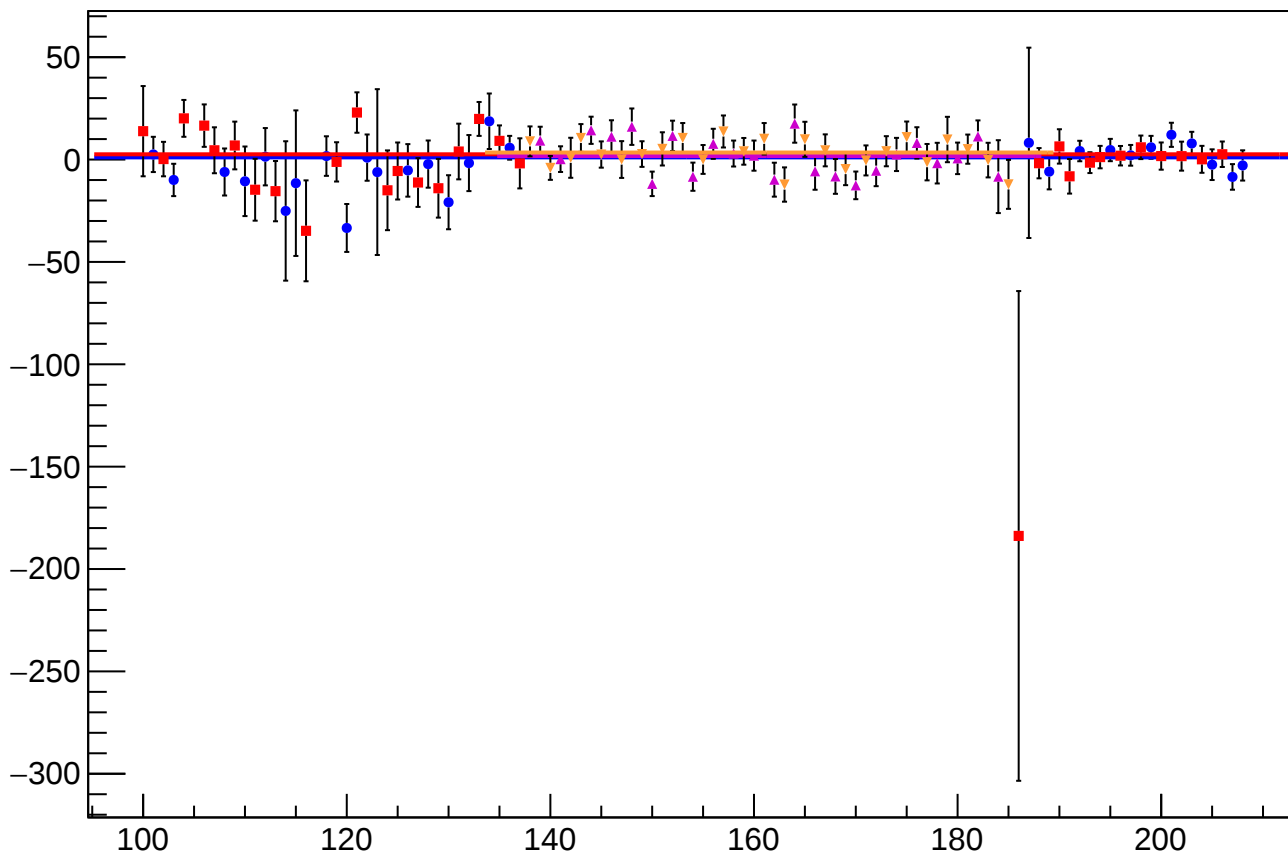
Left In: 8857.329+/-1.516 χ^2/NDF : 361778.8/22

+ sign 10001.795+/-1.317 χ^2/NDF : 7525329.2/52

All: 10117.072+/-0.947 χ^2/NDF : 15711294.1

- sign 10240.679+/-1.363 χ^2/NDF : 8170081.4/53

diff_bpm4ecY_mean vs Slug



Right In: 1.060 $\pm$ 1.555 χ^2 /NDF: 27.8/27

Left Out: 3.433 $\pm$ 1.526 χ^2 /NDF:16.2/24

Right Out: 2.567 $\pm$ 1.519 χ^2 /NDF: 30.6/30

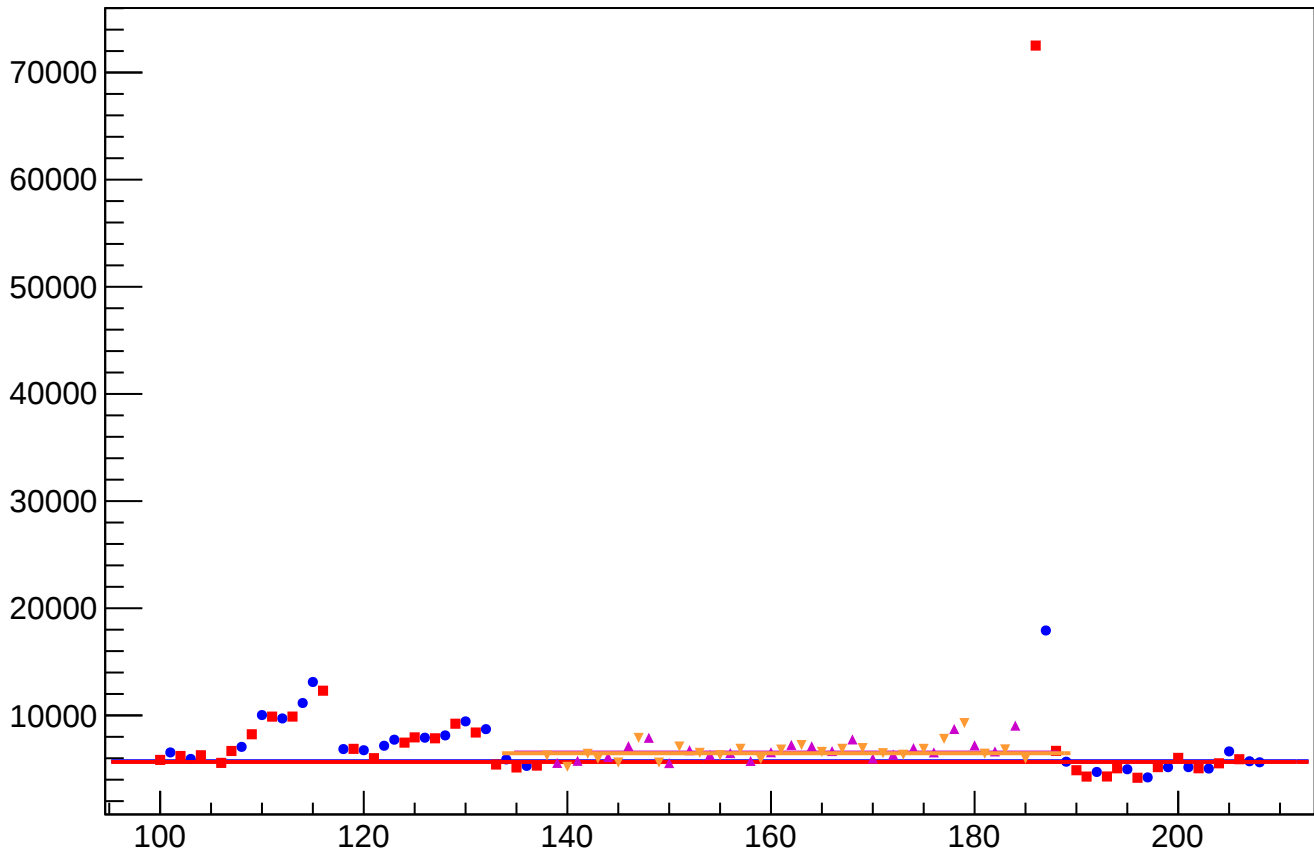
Left In: 1.734 $\pm$ 1.586 χ^2 /NDF:33.6/22

+ sign 2.269 $\pm$ 1.089 χ^2 /NDF: 45.2/52

All: 2.219 $\pm$ 0.773 χ^2 /NDF: 109.6/106

- sign 2.168 $\pm$ 1.097 χ^2 /NDF: 64.3/53

diff_bpm4ecY_rms vs Slug



Right In: 5723.193+/-1.100 χ^2/NDF : 1498841.1/27

Left Out: 6468.872+/-1.079 χ^2/NDF : 487187.3/24

Right Out: 5655.105+/-1.074 χ^2/NDF : 2123595.3/30

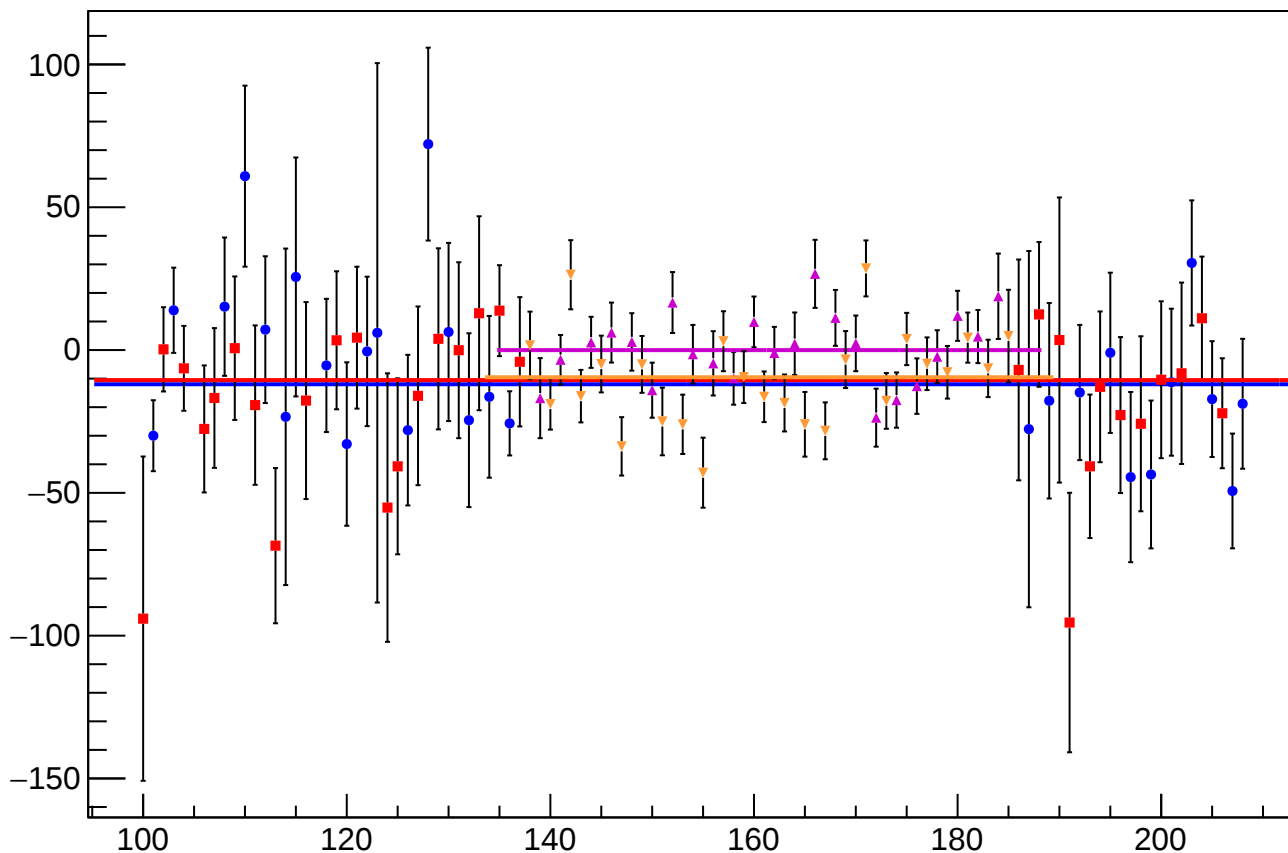
Left In: 6530.954+/-1.121 χ^2/NDF : 464668.6/22

+ sign 6103.176+/-0.770 χ^2/NDF : 2220339.0/52

All: 6088.832+/-0.547 χ^2/NDF : 5127394.4/10

- sign 6074.277+/-0.776 χ^2/NDF : 2906356.5/53

diff_bpm1X_mean vs Slug



Right In: -11.975 ± 4.407 χ^2/NDF : 32.8/27

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

Right Out: -10.521 ± 4.538 χ^2/NDF : 21.8/30

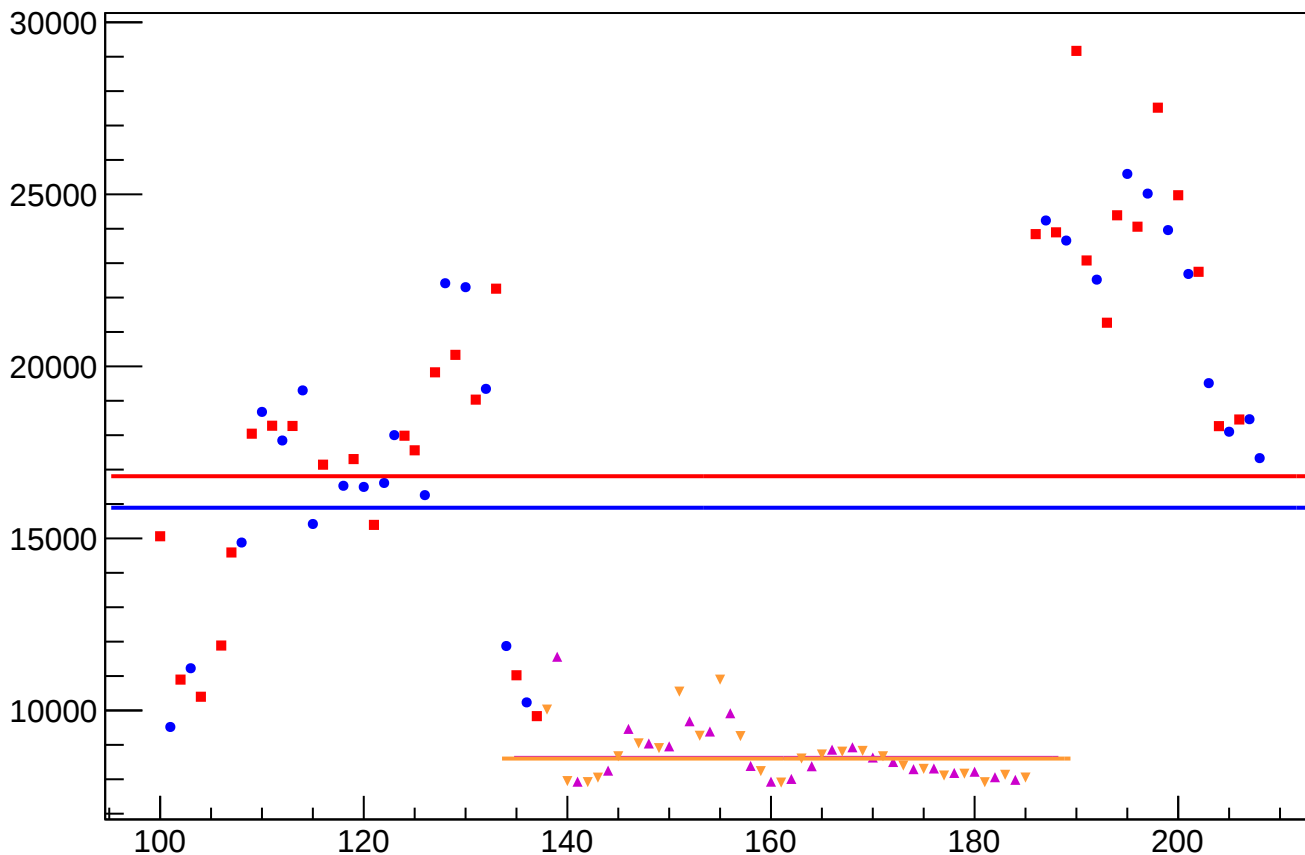
Left In: -0.027 ± 2.080 χ^2/NDF : 29.9/22

+ sign -9.952 ± 1.833 χ^2/NDF : 92.6/52

All: -6.026 ± 1.316 χ^2/NDF : 158.2/106

- sign -1.848 ± 1.891 χ^2/NDF : 56.1/53

diff_bpm1X_rms vs Slug



Right In: 15891.788 $\pm$ 3.116 χ^2 /NDF: 2672987.0/27

Left Out: 8601.926 $\pm$ 1.425 χ^2 /NDF:248903.5/24

Right Out: 16807.548 $\pm$ 3.209 χ^2 /NDF: 2662542.5/30

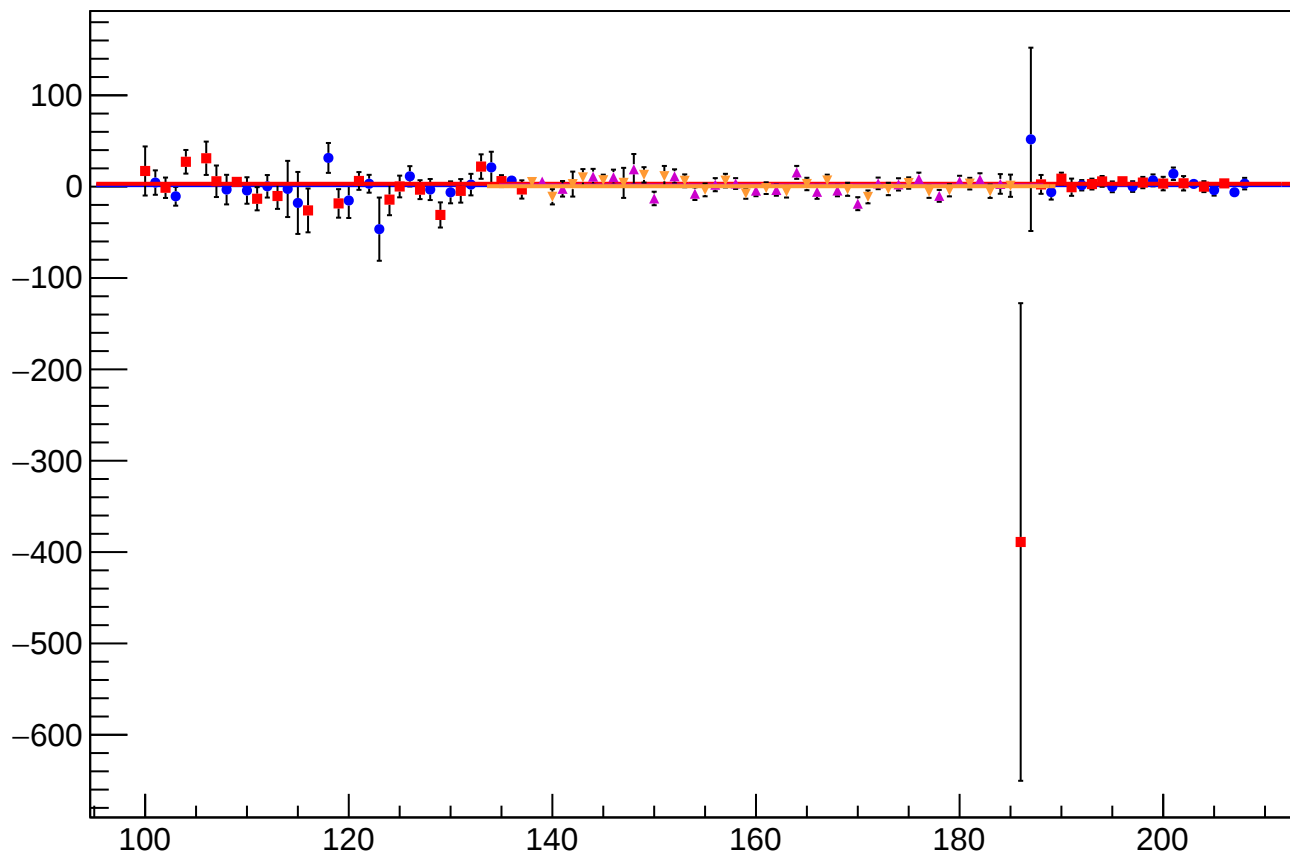
Left In: 8621.975 $\pm$ 1.471 χ^2 /NDF:230824.4/22

+ sign 9862.845 $\pm$ 1.296 χ^2 /NDF: 7448640.6/52

All: 9950.152 $\pm$ 0.931 χ^2 /NDF: 15729597.0/1

- sign 10043.076 $\pm$ 1.337 χ^2 /NDF: 8271586.5/53

diff_bpm1Y_mean vs Slug



Right In: 1.635 ± 1.577 χ^2/NDF : 20.4/27

Left Out: 0.481 ± 1.419 χ^2/NDF : 19.6/24

Right Out: 3.152 ± 1.523 χ^2/NDF : 27.0/30

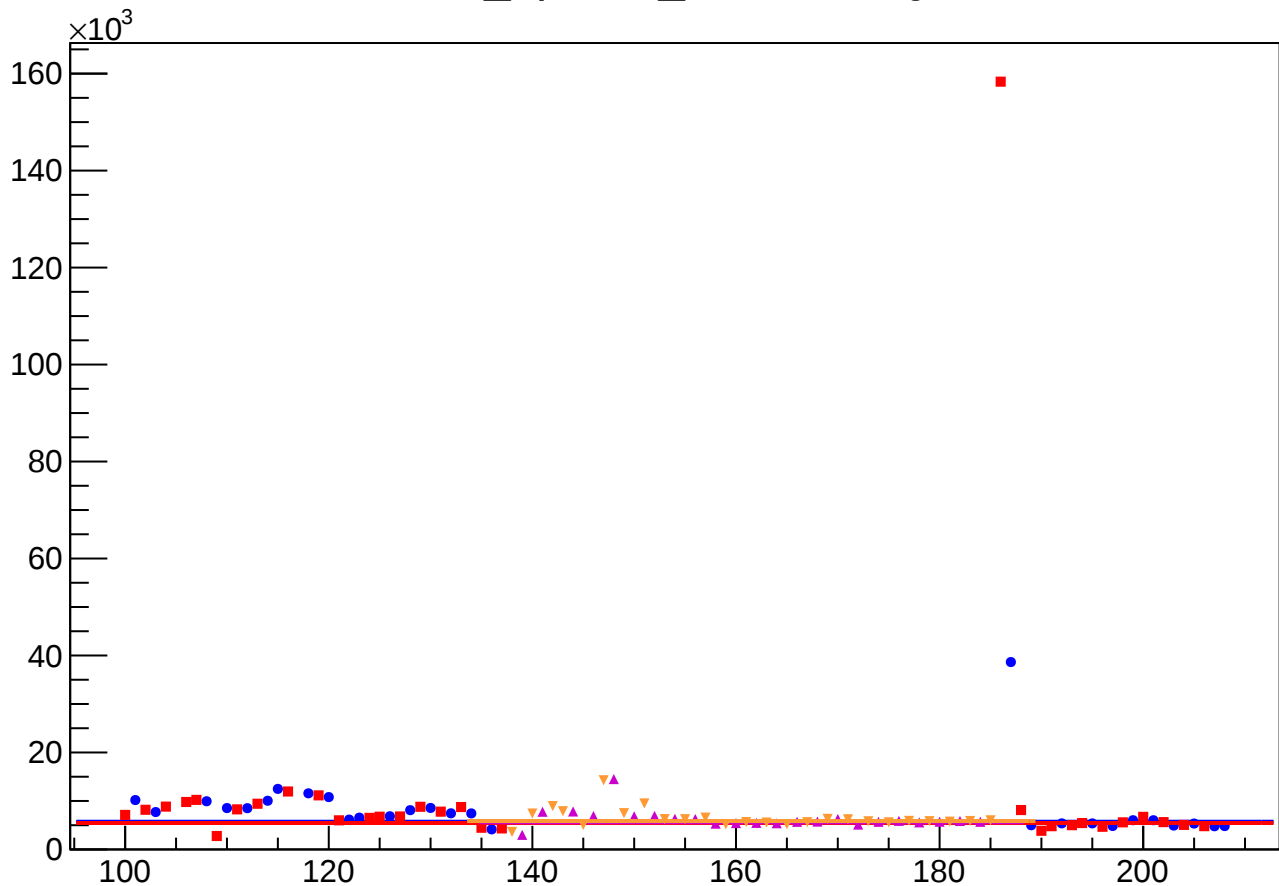
Left In: 1.298 ± 1.406 χ^2/NDF : 33.0/22

+ sign 0.997 ± 1.055 χ^2/NDF : 40.2/52

All: 1.586 ± 0.738 χ^2/NDF : 101.7/106

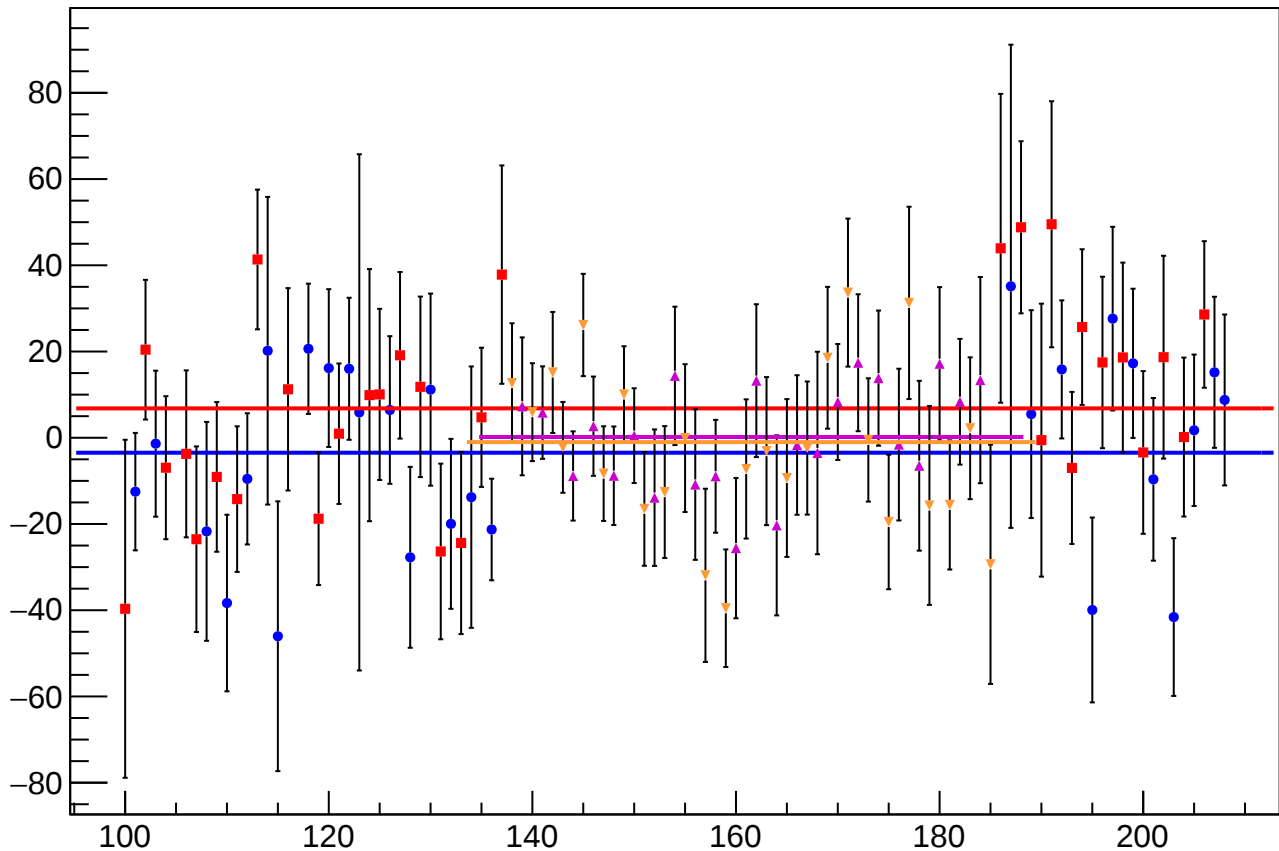
- sign 2.151 ± 1.033 χ^2/NDF : 60.8/53

diff_bpm1Y_rms vs Slug



Right In: 5717.465+/-1.115	χ^2/NDF : 2109510.1/27	+ sign 5795.451+/-0.746	χ^2/NDF : 3809712.4/52
Left Out: 5858.642+/-1.004	χ^2/NDF : 1691344.1/24	All: 5661.424+/-0.522	χ^2/NDF : 9404877.4/10
Right Out: 5457.647+/-1.077	χ^2/NDF : 3433122.2/30	- sign 5532.819+/-0.731	χ^2/NDF : 5531893.1/53
Left In: 5596.879+/-0.994	χ^2/NDF : 2089750.1/22		

diff_bpm11X_mean vs Slug



Right In: -3.470 ± 3.596 $\chi^2/\text{NDF}: 31.2/27$

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

Right Out: 6.817 ± 3.547 $\chi^2/\text{NDF}: 34.2/30$

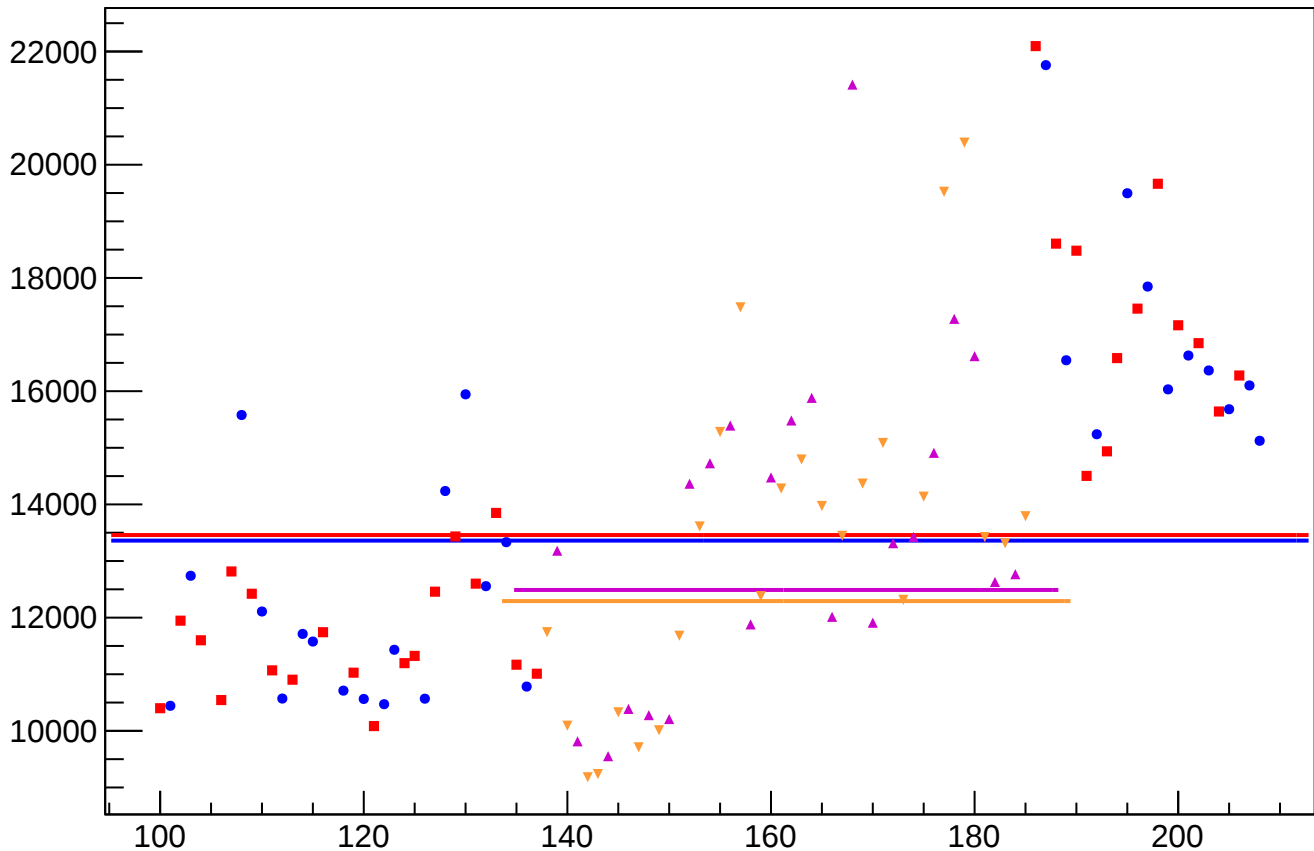
Left In: 0.172 ± 3.067 $\chi^2/\text{NDF}: 12.4/22$

+ sign -1.994 ± 2.277 $\chi^2/\text{NDF}: 65.0/52$

All: 0.463 ± 1.625 $\chi^2/\text{NDF}: 115.9/106$

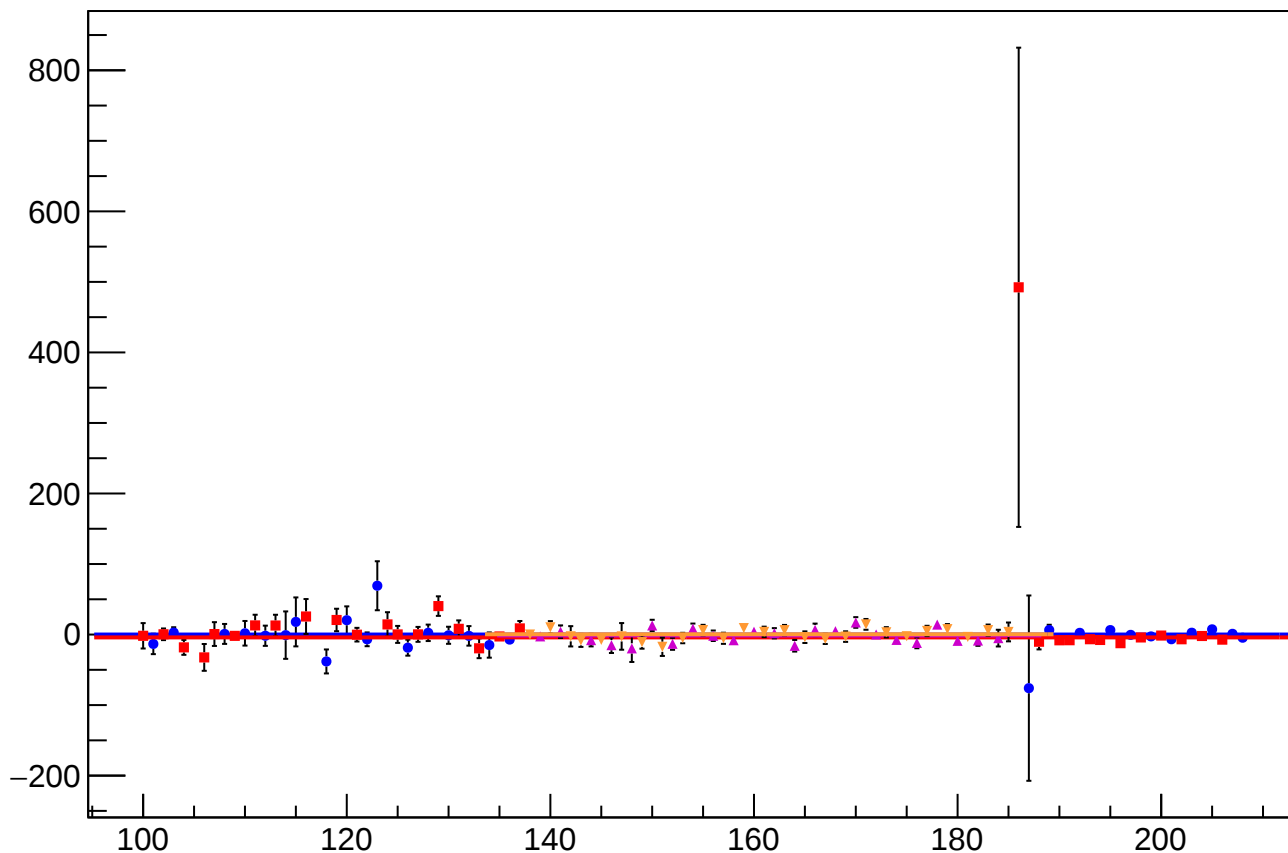
- sign 3.015 ± 2.320 $\chi^2/\text{NDF}: 48.6/53$

diff_bpm11X_rms vs Slug



Right In: 13360.713 $\pm$ 2.542	χ^2 /NDF: 1171367.3/27	+ sign 12720.839 $\pm$ 1.610	χ^2 /NDF: 2779646.7/52
Left Out: 12292.583 $\pm$ 2.080	χ^2 /NDF: 1502548.3/24	All: 12810.625 $\pm$ 1.149	χ^2 /NDF: 5492915.0/1
Right Out: 13458.770 $\pm$ 2.508	χ^2 /NDF: 1266864.3/30	- sign 12903.856 $\pm$ 1.640	χ^2 /NDF: 2706928.1/53
Left In: 12488.821 $\pm$ 2.169	χ^2 /NDF: 1354485.4/22		

diff_bpm11Y_mean vs Slug



Right In: 0.015 ± 1.344 χ^2/NDF : 27.0/27

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

Right Out: -4.047 ± 1.346 χ^2/NDF : 34.3/30

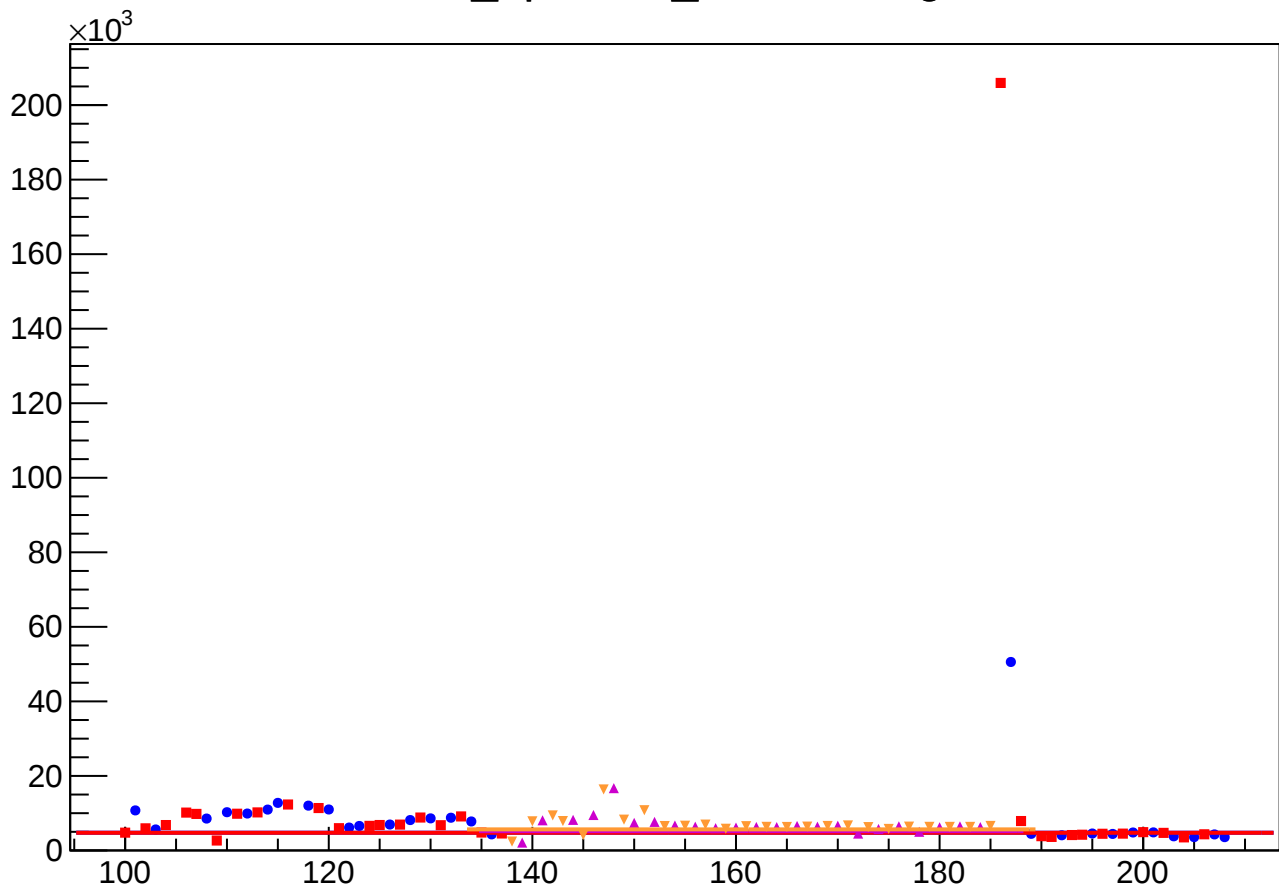
Left In: -1.278 ± 1.386 χ^2/NDF : 34.0/22

+ sign 0.200 ± 0.981 χ^2/NDF : 46.3/52

All: -1.275 ± 0.688 χ^2/NDF : 121.1/106

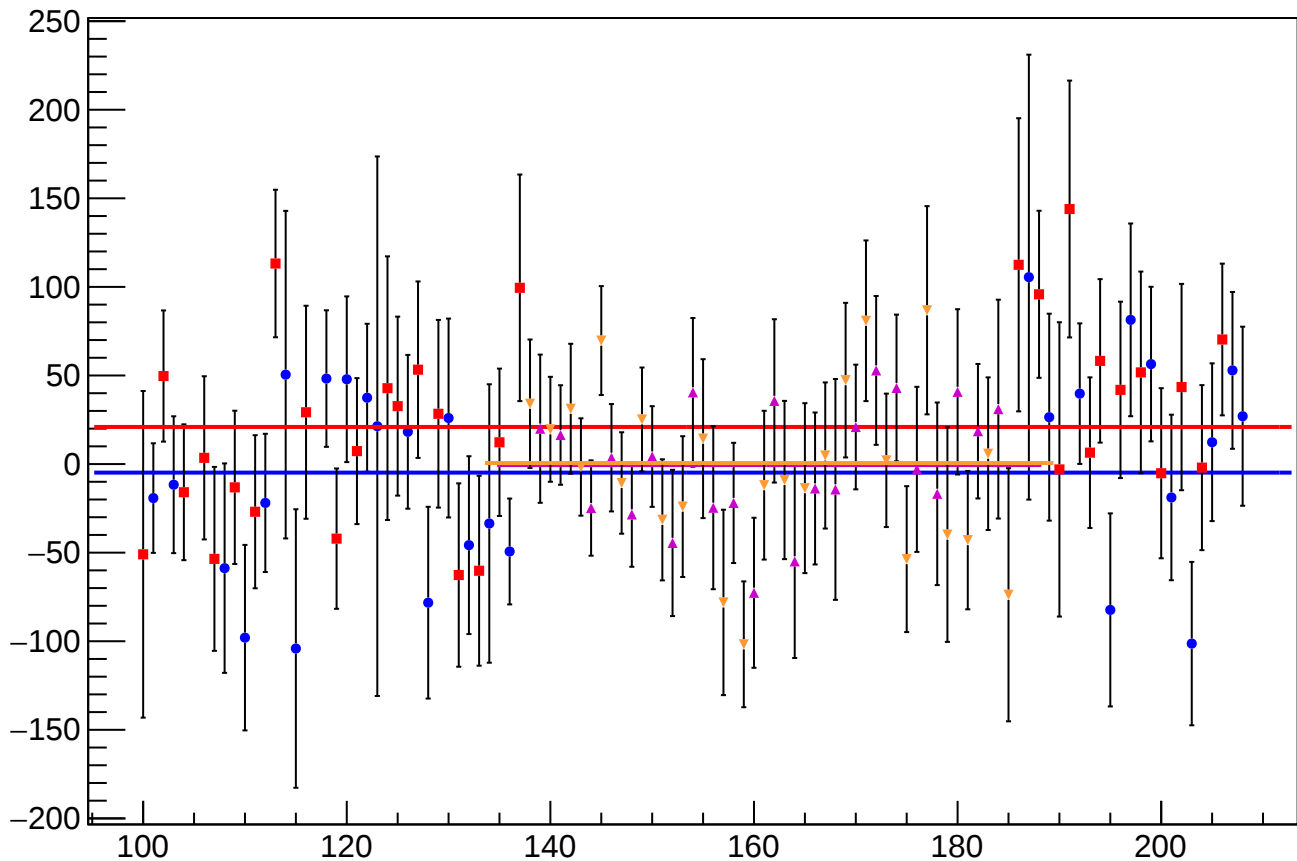
- sign -2.703 ± 0.965 χ^2/NDF : 70.4/53

diff_bpm11Y_rms vs Slug



Right In: 4760.076+/-0.951	χ^2/NDF : 3177195.7/27	+ sign 5178.819+/-0.694	χ^2/NDF : 7716296.5/52
Left Out: 5655.639+/-1.014	χ^2/NDF : 4124124.3/24	All: 5065.343+/-0.487	χ^2/NDF : 16942602.8/100
Right Out: 4742.883+/-0.952	χ^2/NDF : 3720811.6/30	- sign 4955.426+/-0.683	χ^2/NDF : 9173620.2/53
Left In: 5180.743+/-0.980	χ^2/NDF : 5350053.6/22		

diff_bpm12X_mean vs Slug



Right In: -4.823 ± 8.963 χ^2/NDF : 31.6/27

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

Right Out: 20.954 ± 8.839 χ^2/NDF : 30.8/30

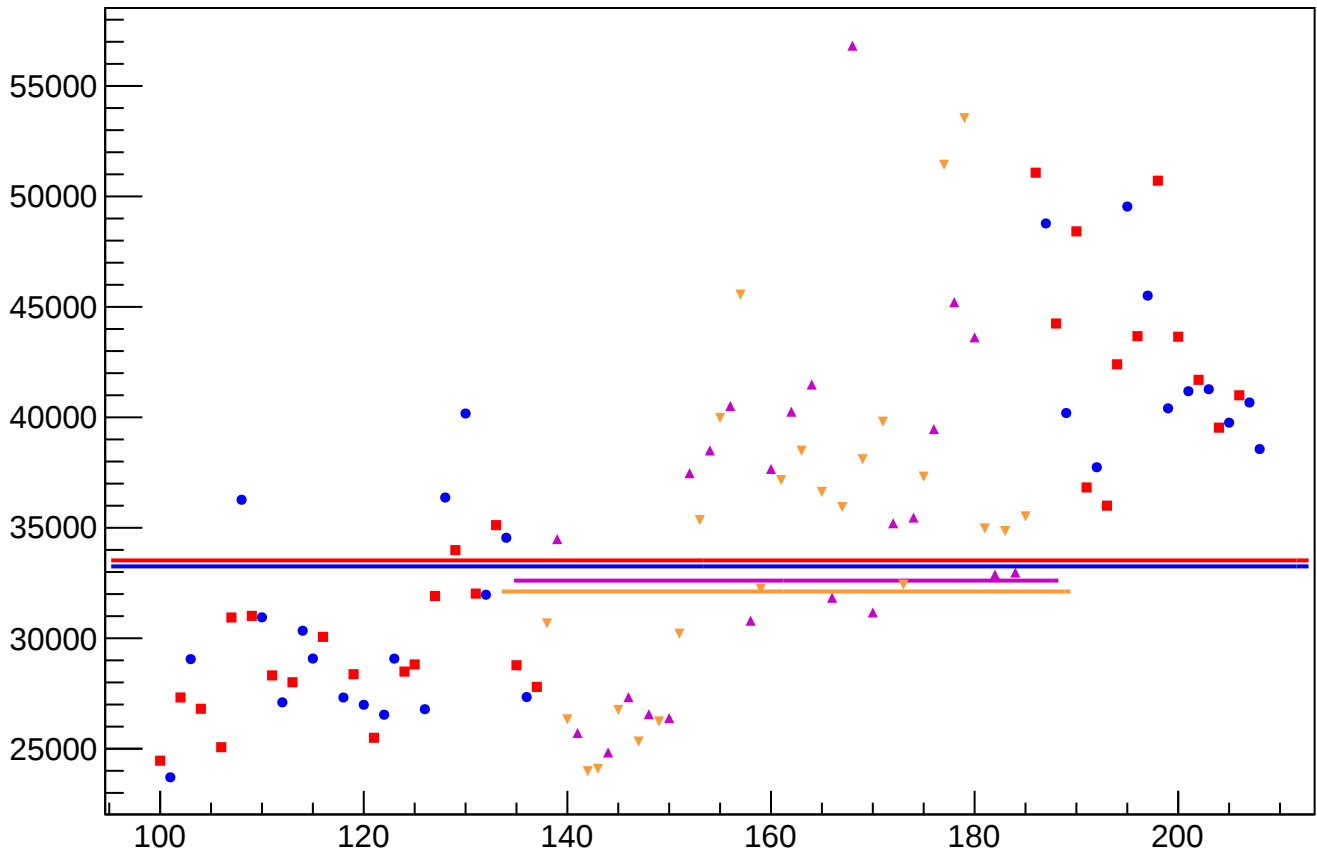
Left In: -0.565 ± 8.015 χ^2/NDF : 14.3/22

+ sign -1.711 ± 5.837 χ^2/NDF : 62.8/52

All: 3.624 ± 4.162 χ^2/NDF : 112.8/106

- sign 9.145 ± 5.937 χ^2/NDF : 48.3/53

diff_bpm12X_rms vs Slug



Right In: 33252.798 $\pm$ 6.338

χ^2 /NDF: 1236586.6/27

+ sign 32598.721 $\pm$ 4.127 χ^2 /NDF: 2791818.2/52

Left Out: 32117.184 $\pm$ 5.438

χ^2 /NDF:1536740.0/24

Right Out: 33523.558 $\pm$ 6.250

χ^2 /NDF: 1302018.7/30

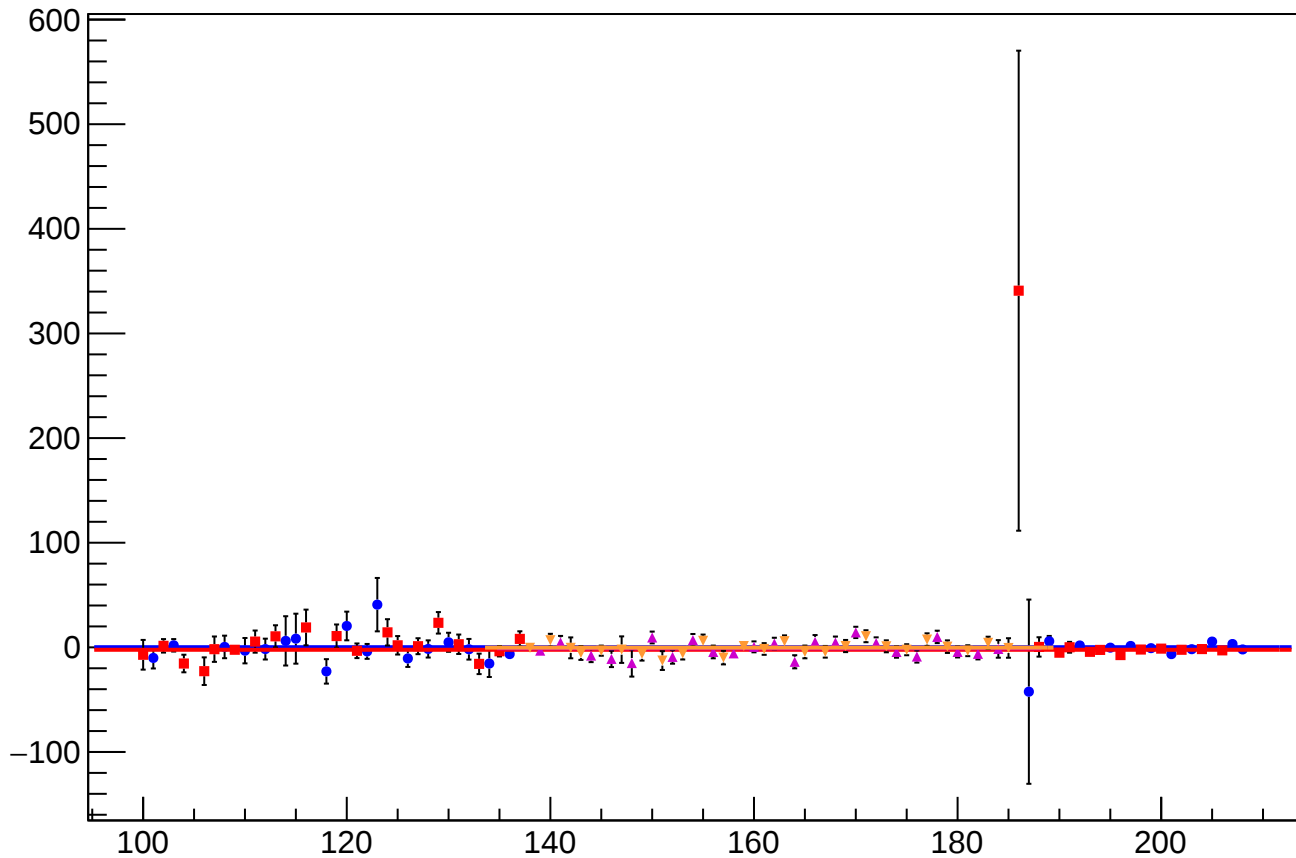
All: 32806.876 $\pm$ 2.943 χ^2 /NDF: 5509211.5/1

- sign 33022.268 $\pm$ 4.198 χ^2 /NDF: 2712217.2/53

Left In: 32610.108 $\pm$ 5.667

χ^2 /NDF:1398475.8/22

diff_bpm12Y_mean vs Slug



Right In: 0.143 ± 0.820 χ^2/NDF : 32.6/27

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

Right Out: -2.324 ± 0.886 χ^2/NDF : 29.2/30

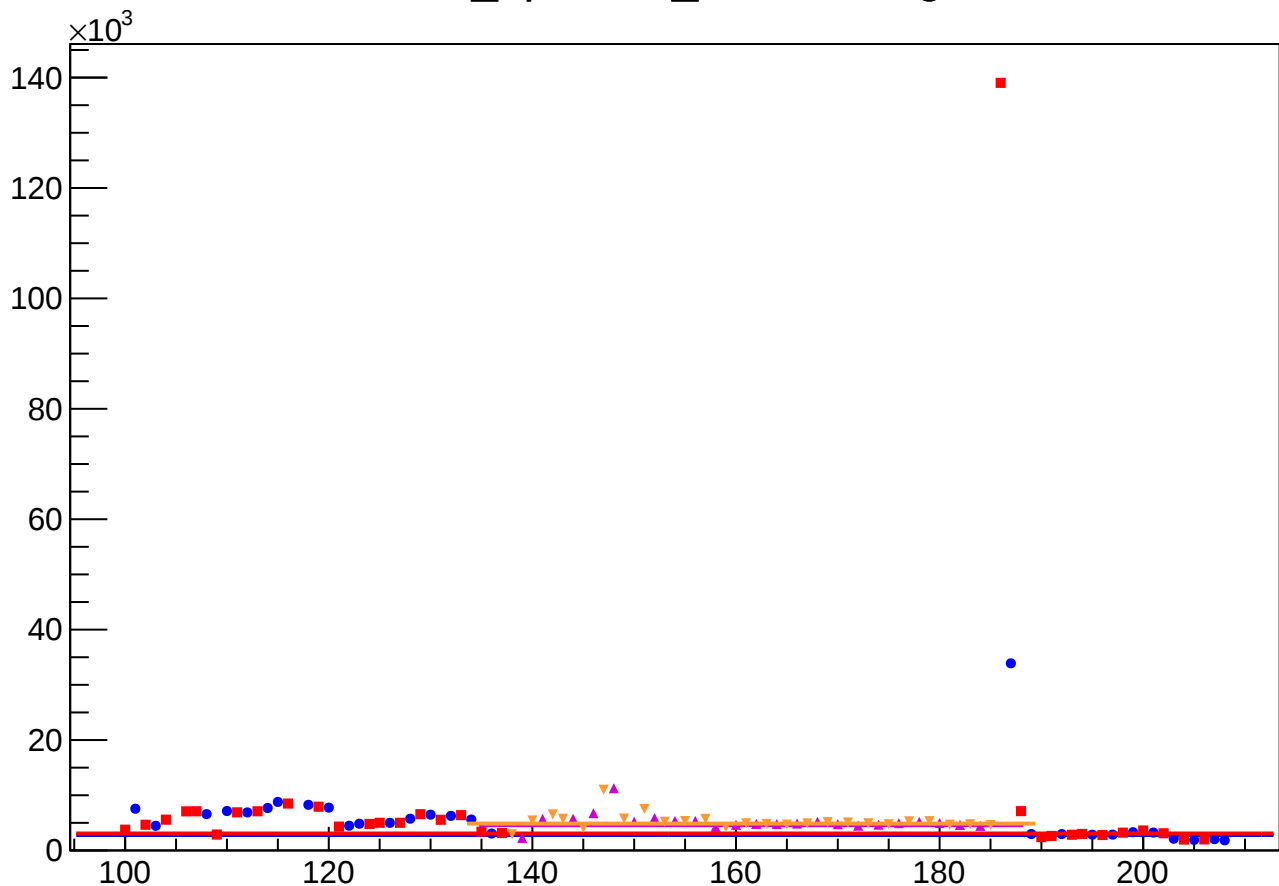
Left In: -0.925 ± 1.154 χ^2/NDF : 36.1/22

+ sign 0.012 ± 0.672 χ^2/NDF : 50.7/52

All: -0.855 ± 0.486 χ^2/NDF : 120.4/106

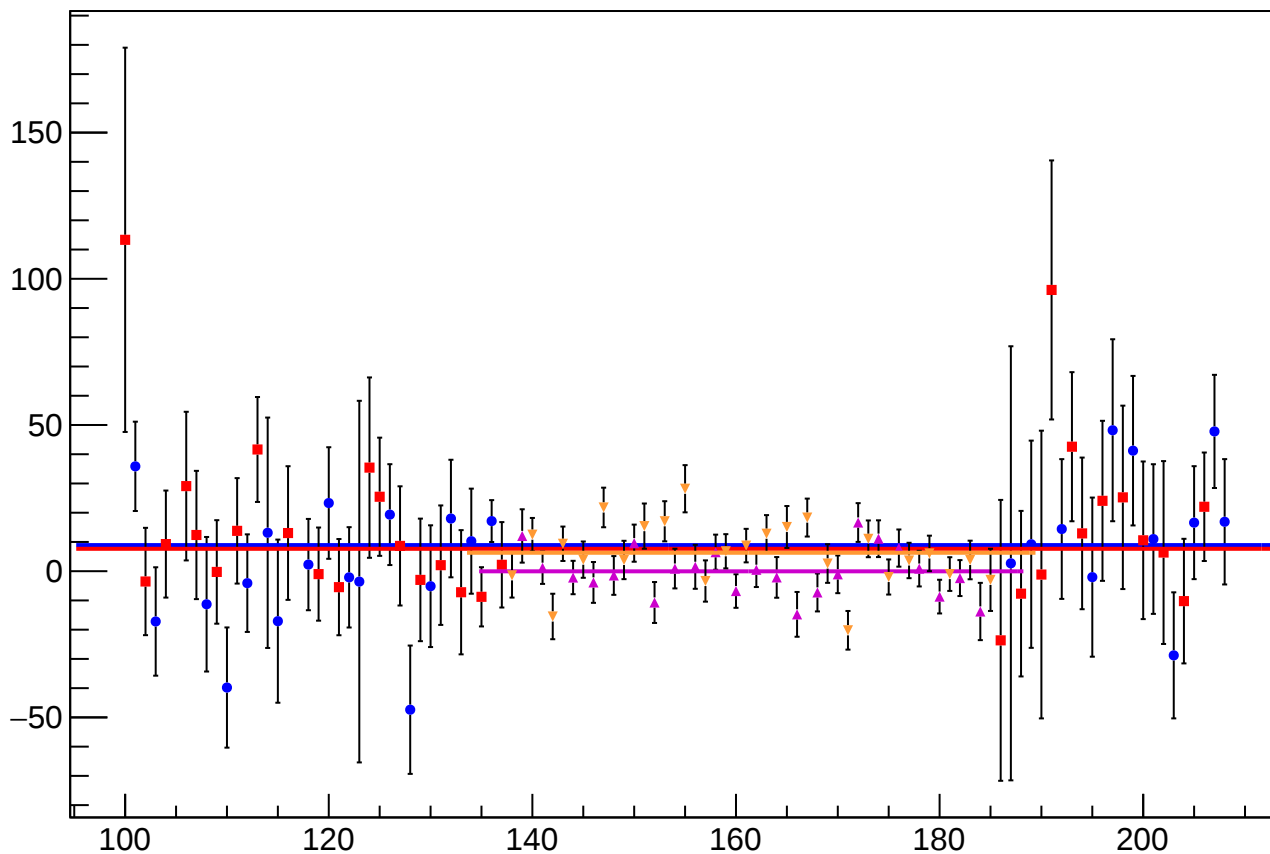
- sign -1.805 ± 0.703 χ^2/NDF : 66.2/53

diff_bpm12Y_rms vs Slug



Right In: 2801.507+/-0.580	χ^2/NDF : 4939657.0/27	+ sign 3479.497+/-0.475	χ^2/NDF : 10615400.2/52
Left Out: 4866.528+/-0.829	χ^2/NDF : 1511486.2/24	All: 3551.897+/-0.343	χ^2/NDF : 20275646.6/100
Right Out: 3069.689+/-0.627	χ^2/NDF : 4971401.6/30	- sign 3631.093+/-0.497	χ^2/NDF : 9611644.5/53
Left In: 4582.193+/-0.816	χ^2/NDF : 2478681.0/22		

diff_bpm16X_mean vs Slug



Right In: 8.929 ± 3.577 $\chi^2/\text{NDF}: 33.9/27$

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

Right Out: 7.658 ± 3.741 $\chi^2/\text{NDF}: 22.4/30$

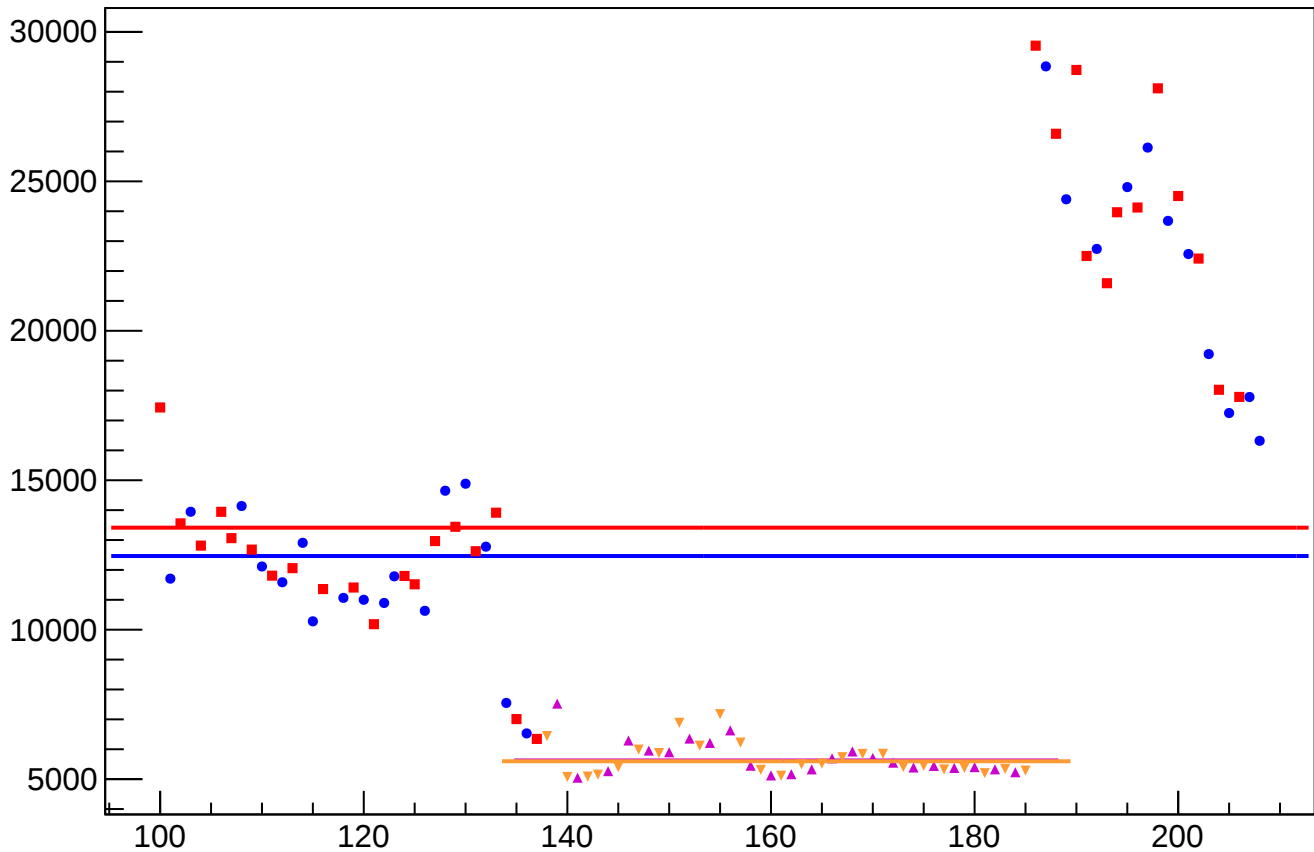
Left In: -0.044 ± 1.358 $\chi^2/\text{NDF}: 30.0/22$

+ sign 6.614 ± 1.232 $\chi^2/\text{NDF}: 91.1/52$

All: 3.834 ± 0.886 $\chi^2/\text{NDF}: 157.8/106$

- sign 0.852 ± 1.276 $\chi^2/\text{NDF}: 56.2/53$

diff_bpm16X_rms vs Slug



Right In: 12464.555+/-2.529 χ^2/NDF : 4408218.4/27

Left Out: 5598.786+/-0.928 χ^2/NDF : 283253.4/24

Right Out: 13413.392+/-2.645 χ^2/NDF : 4392309.4/30

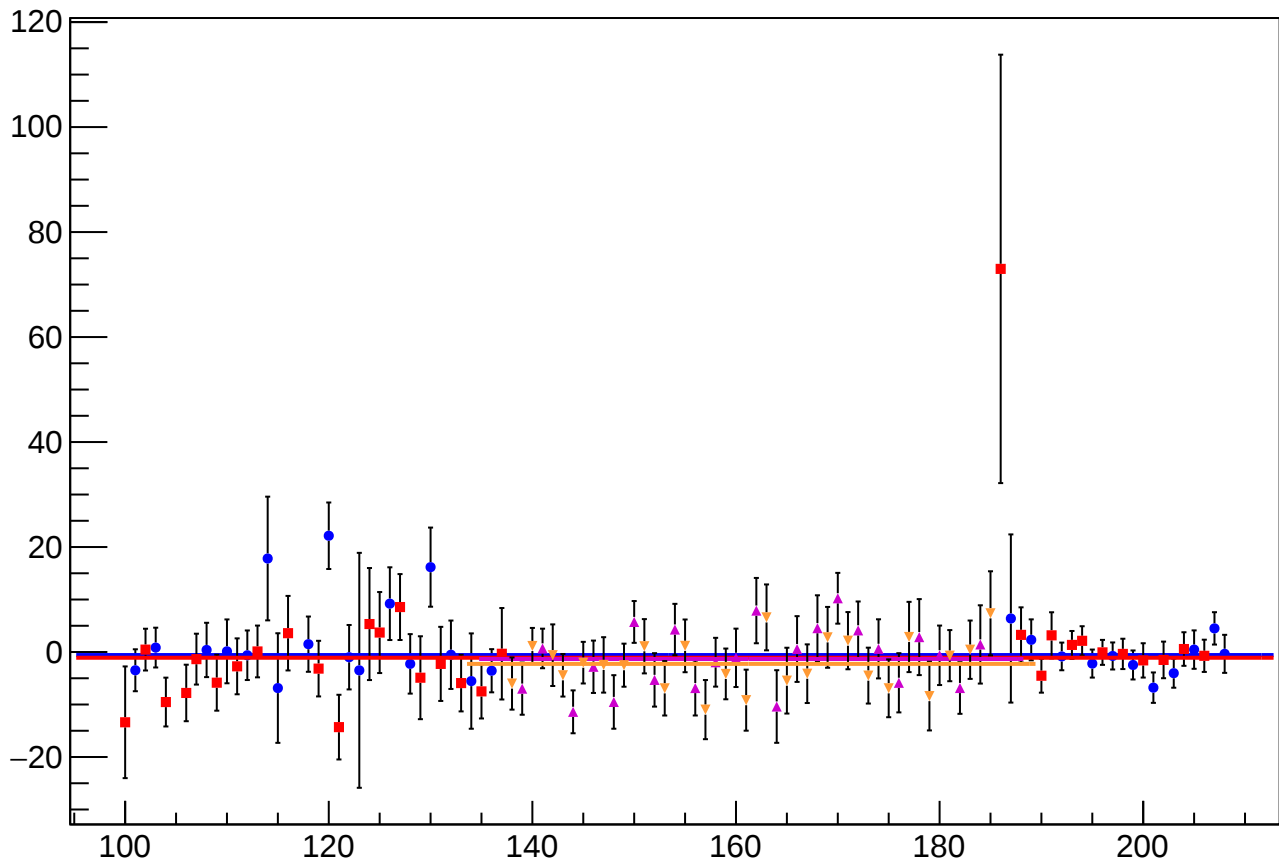
Left In: 5625.163+/-0.960 χ^2/NDF : 272563.5/22

+ sign 6413.504+/-0.871 χ^2/NDF : 11185175.3/52

All: 6470.516+/-0.627 χ^2/NDF : 23518697.0/100

- sign 6531.678+/-0.902 χ^2/NDF : 12324647.2/53

diff_bpm16Y_mean vs Slug



Right In: -0.578 ± 0.778 χ^2/NDF : 35.0/27

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

Right Out: -1.092 ± 0.769 χ^2/NDF : 27.0/30

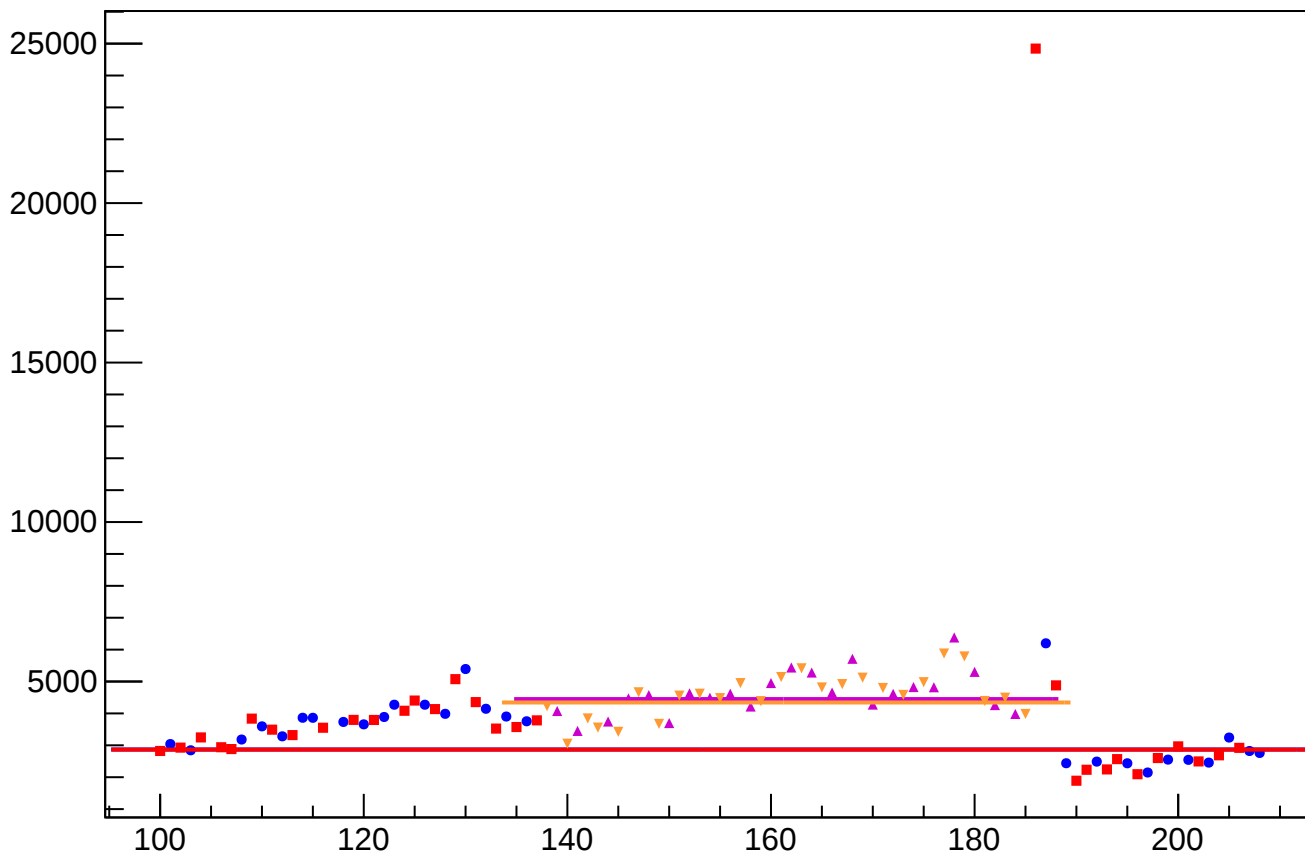
Left In: -1.328 ± 1.082 χ^2/NDF : 30.6/22

+ sign -1.189 ± 0.621 χ^2/NDF : 52.2/52

All: -1.180 ± 0.441 χ^2/NDF : 109.8/106

- sign -1.171 ± 0.627 χ^2/NDF : 57.7/53

diff_bpm16Y_rms vs Slug



Right In: 2869.257 $\pm$ 0.550 χ^2 /NDF: 1294948.2/27

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

Right Out: 2864.548 $\pm$ 0.543 χ^2 /NDF: 2264234.5/30

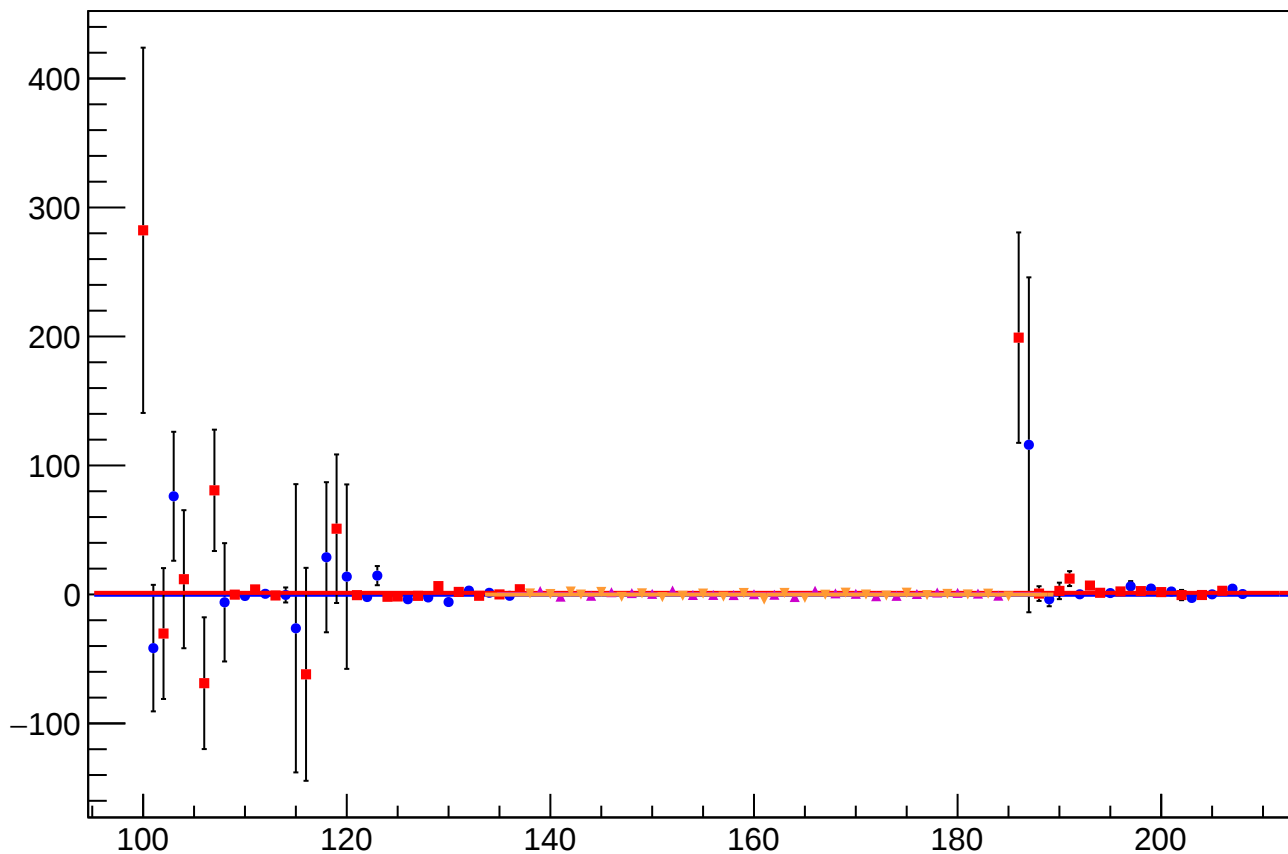
Left In: 4450.007 $\pm$ 0.765 χ^2 /NDF: 693229.8/22

+ sign 3404.172 $\pm$ 0.439 χ^2 /NDF: 4893931.7/52

All: 3400.226 $\pm$ 0.312 χ^2 /NDF: 10705744.8/100

- sign 3396.205 $\pm$ 0.443 χ^2 /NDF: 5811650.0/53

diff_bpm1p02bX_mean vs Slug



Right In: -0.257 ± 0.584 χ^2/NDF : 31.6/27

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

Right Out: 1.236 ± 0.590 χ^2/NDF : 35.5/30

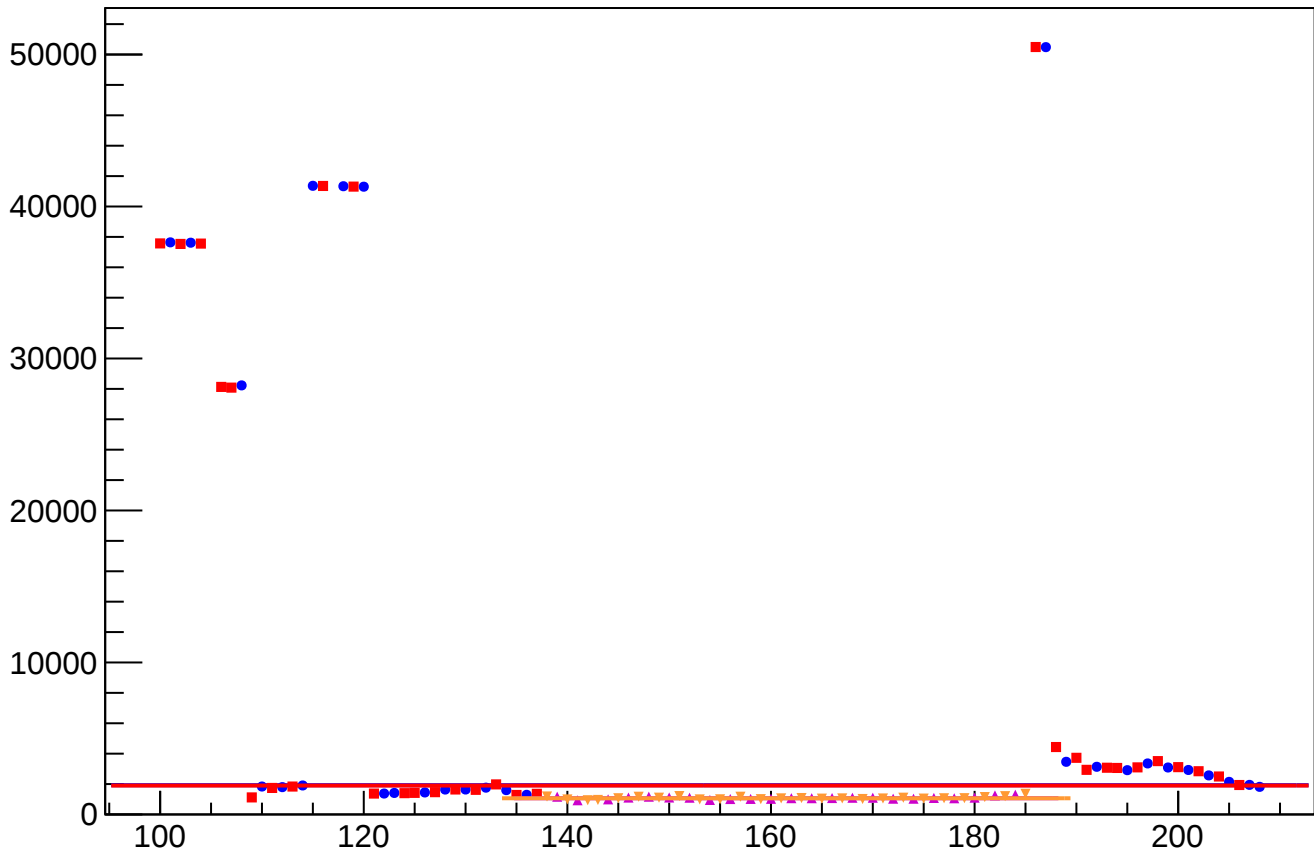
Left In: 0.259 ± 0.257 χ^2/NDF : 27.2/22

+ sign -0.117 ± 0.229 χ^2/NDF : 66.1/52

All: 0.142 ± 0.164 χ^2/NDF : 133.7/106

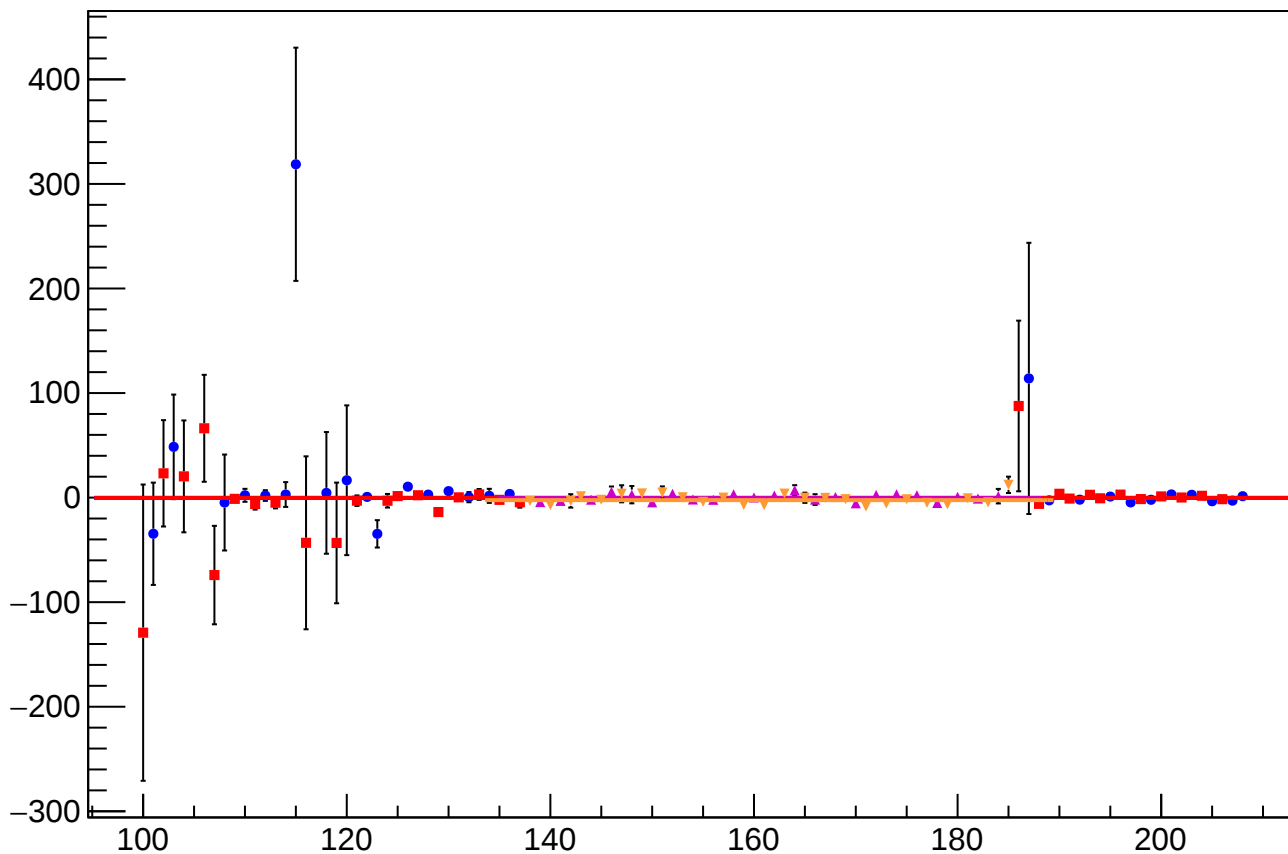
- sign 0.415 ± 0.236 χ^2/NDF : 65.0/53

diff_bpm1p02bX_rms vs Slug



Right In: 1924.943+/-0.413	χ^2/NDF : 6924302.3/27	+ sign 1197.011+/-0.162	χ^2/NDF : 10781030.1/52
Left Out: 1064.701+/-0.176	χ^2/NDF : 186511.5/24	All: 1198.246+/-0.116	χ^2/NDF : 22659448.9/100
Right Out: 1901.895+/-0.417	χ^2/NDF : 8340255.7/30	- sign 1199.551+/-0.167	χ^2/NDF : 11878299.3/53
Left In: 1066.255+/-0.182	χ^2/NDF : 164232.1/22		

diff_bpm1p02bY_mean vs Slug



Right In: -0.247 ± 0.548 χ^2/NDF : 49.6/27

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

Right Out: -0.297 ± 0.594 χ^2/NDF : 30.3/30

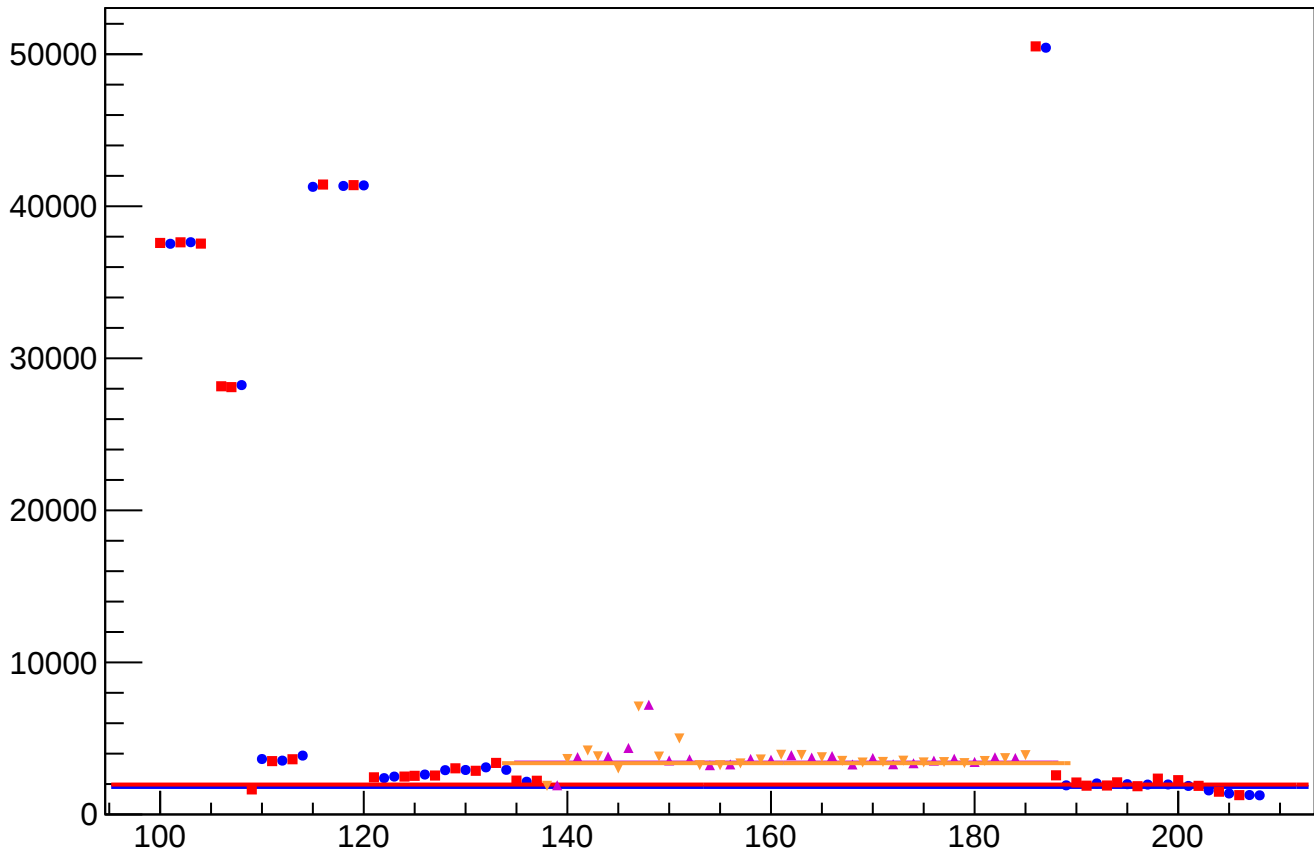
Left In: -0.468 ± 0.843 χ^2/NDF : 15.5/22

+ sign -0.930 ± 0.454 χ^2/NDF : 75.8/52

All: -0.661 ± 0.332 χ^2/NDF : 122.3/106

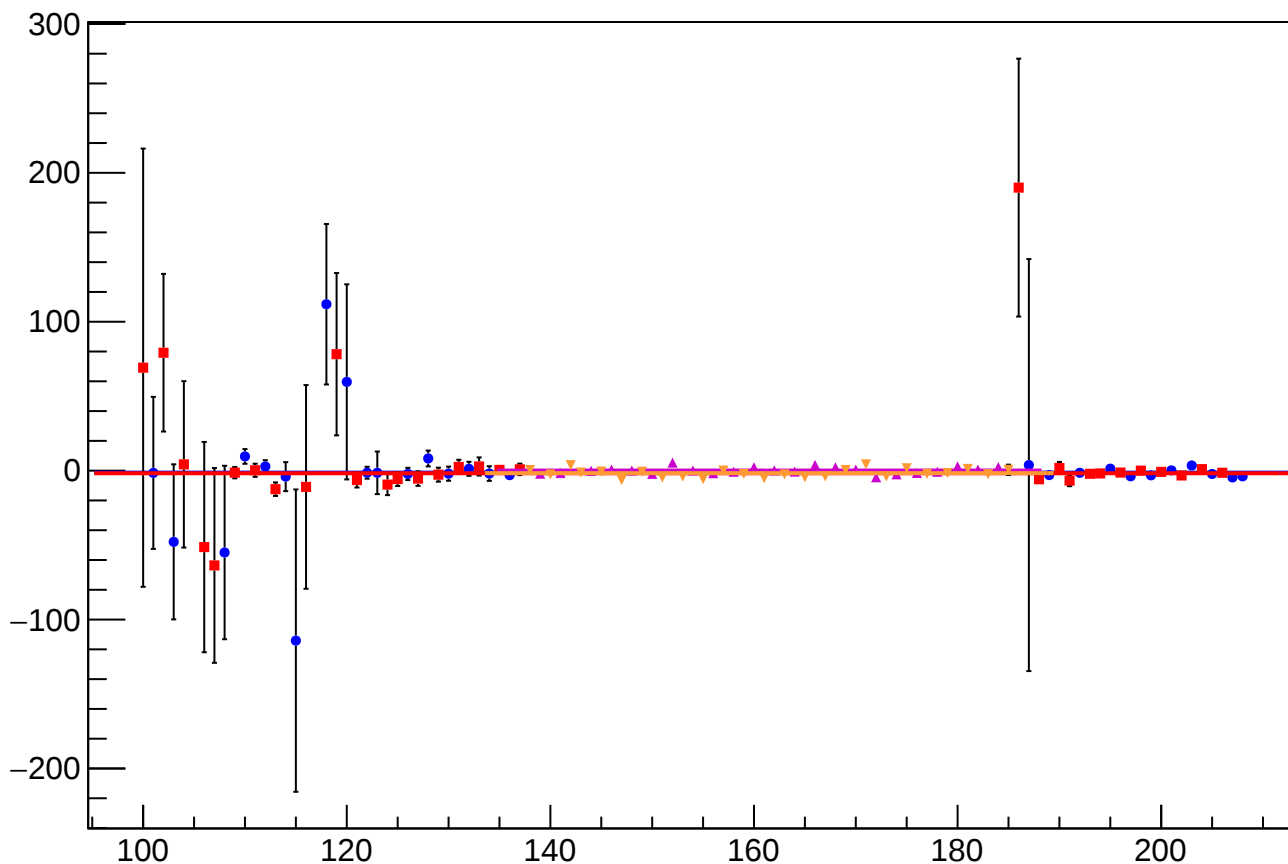
- sign -0.354 ± 0.486 χ^2/NDF : 45.8/53

diff_bpm1p02bY_rms vs Slug



Right In: 1809.973 ± 0.388 $\chi^2/\text{NDF}: 6705560.7/27$ + sign 2300.519 ± 0.321 $\chi^2/\text{NDF}: 13465189.1/52$
 Left Out: 3372.958 ± 0.573 $\chi^2/\text{NDF}: 1656864.7/24$ All: 2368.712 ± 0.235 $\chi^2/\text{NDF}: 25830551.7/100$
 Right Out: 1966.615 ± 0.420 $\chi^2/\text{NDF}: 6906874.9/30$ - sign 2446.763 ± 0.344 $\chi^2/\text{NDF}: 12268629.7/53$
 Left In: 3411.924 ± 0.596 $\chi^2/\text{NDF}: 1434523.7/22$

diff_bpm1p03aX_mean vs Slug



Right In: -1.331 ± 0.633 χ^2/NDF : 29.5/27

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

Right Out: -1.748 ± 0.650 χ^2/NDF : 28.8/30

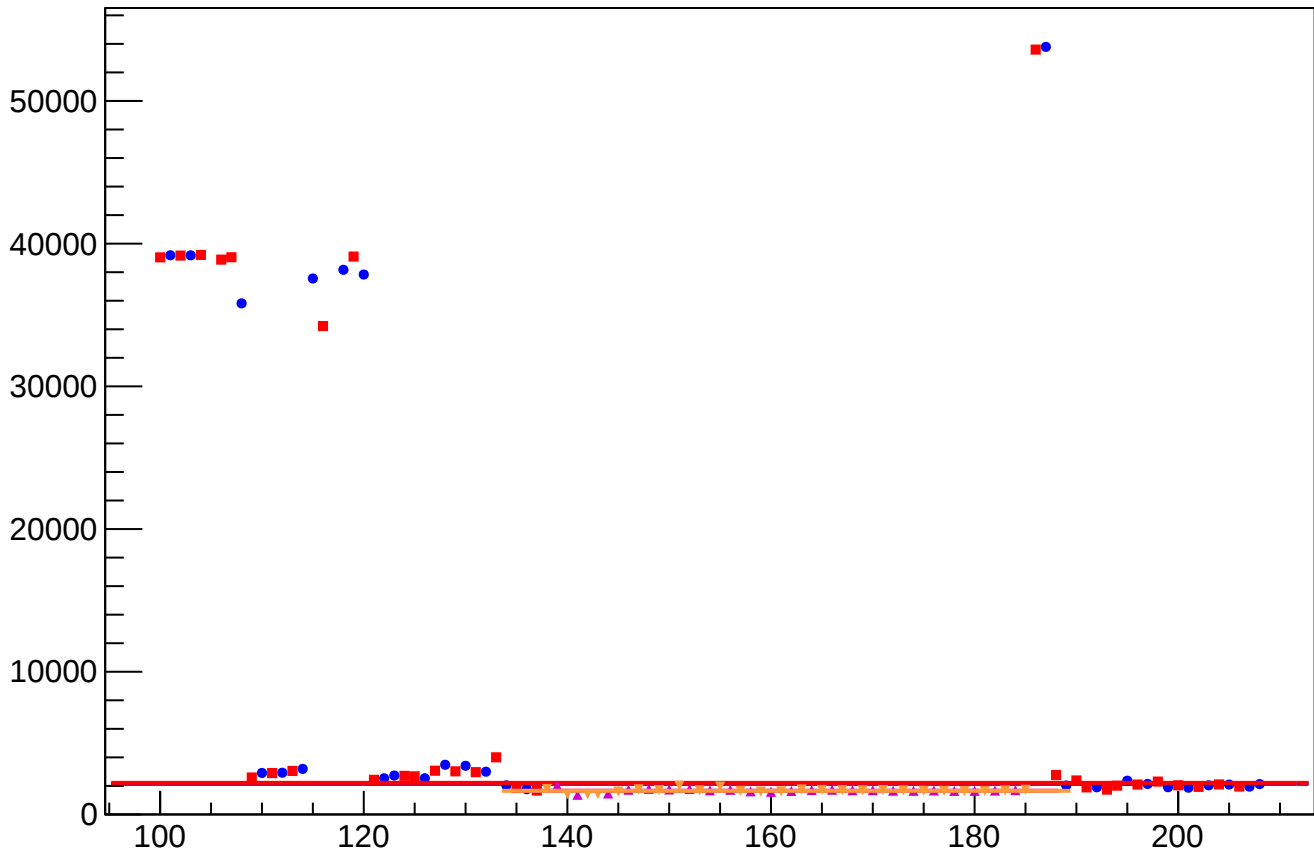
Left In: 0.072 ± 0.401 χ^2/NDF : 28.2/22

+ sign -1.579 ± 0.331 χ^2/NDF : 75.4/52

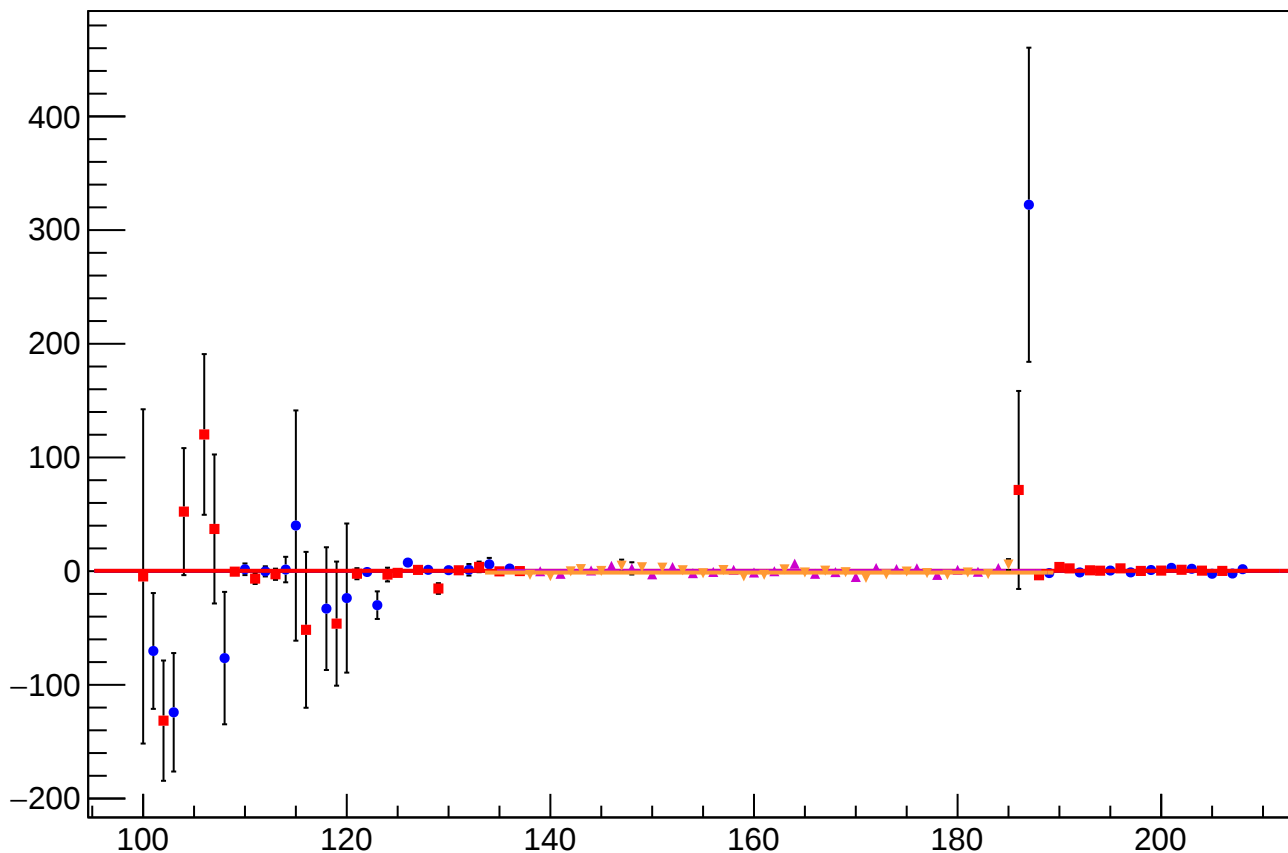
All: -1.022 ± 0.238 χ^2/NDF : 143.9/106

- sign -0.430 ± 0.341 χ^2/NDF : 62.7/53

diff_bpm1p03aX_rms vs Slug



diff_bpm1p03aY_mean vs Slug



Right In: 0.177 ± 0.470 χ^2/NDF : 41.0/27

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

Right Out: 0.297 ± 0.499 χ^2/NDF : 33.0/30

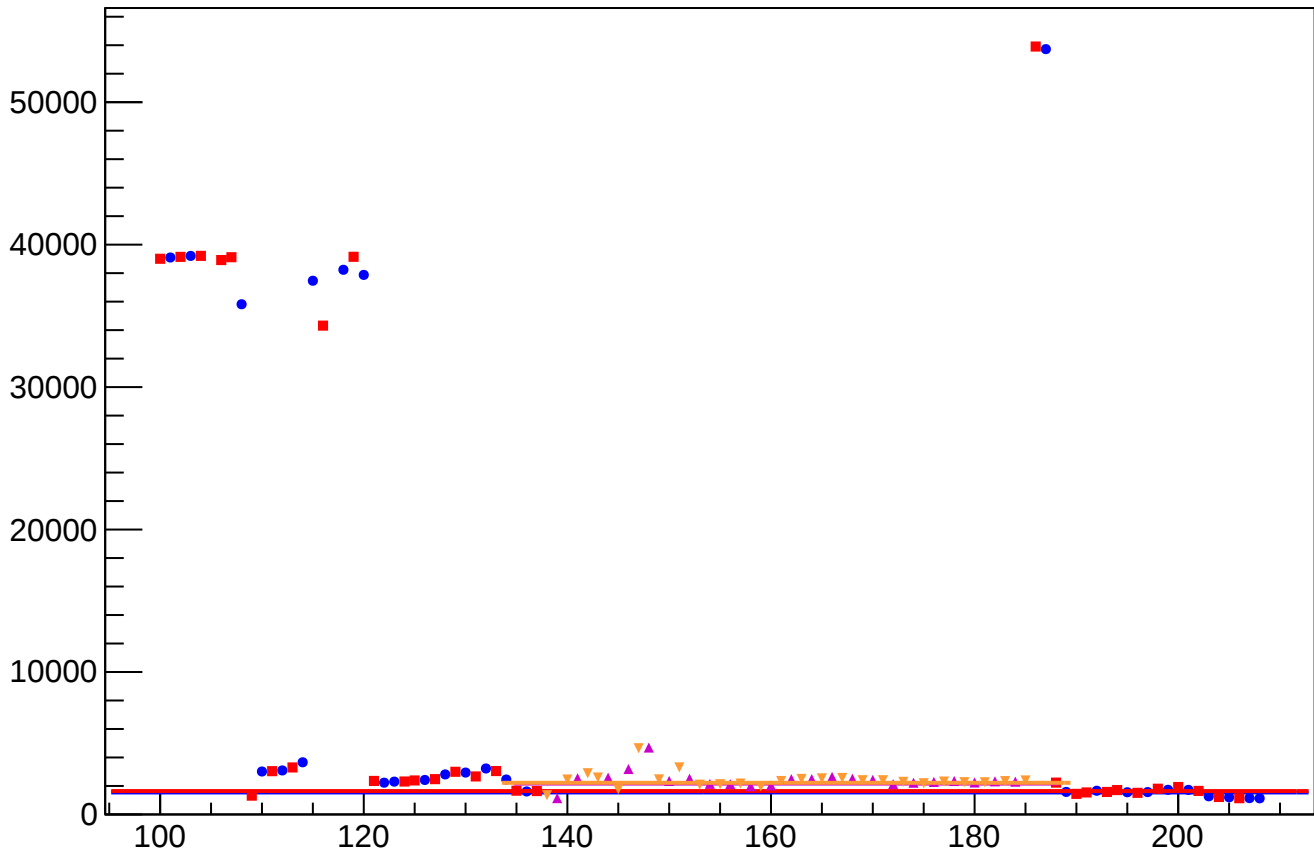
Left In: 0.098 ± 0.541 χ^2/NDF : 19.3/22

+ sign -0.444 ± 0.353 χ^2/NDF : 66.7/52

All: -0.132 ± 0.254 χ^2/NDF : 120.7/106

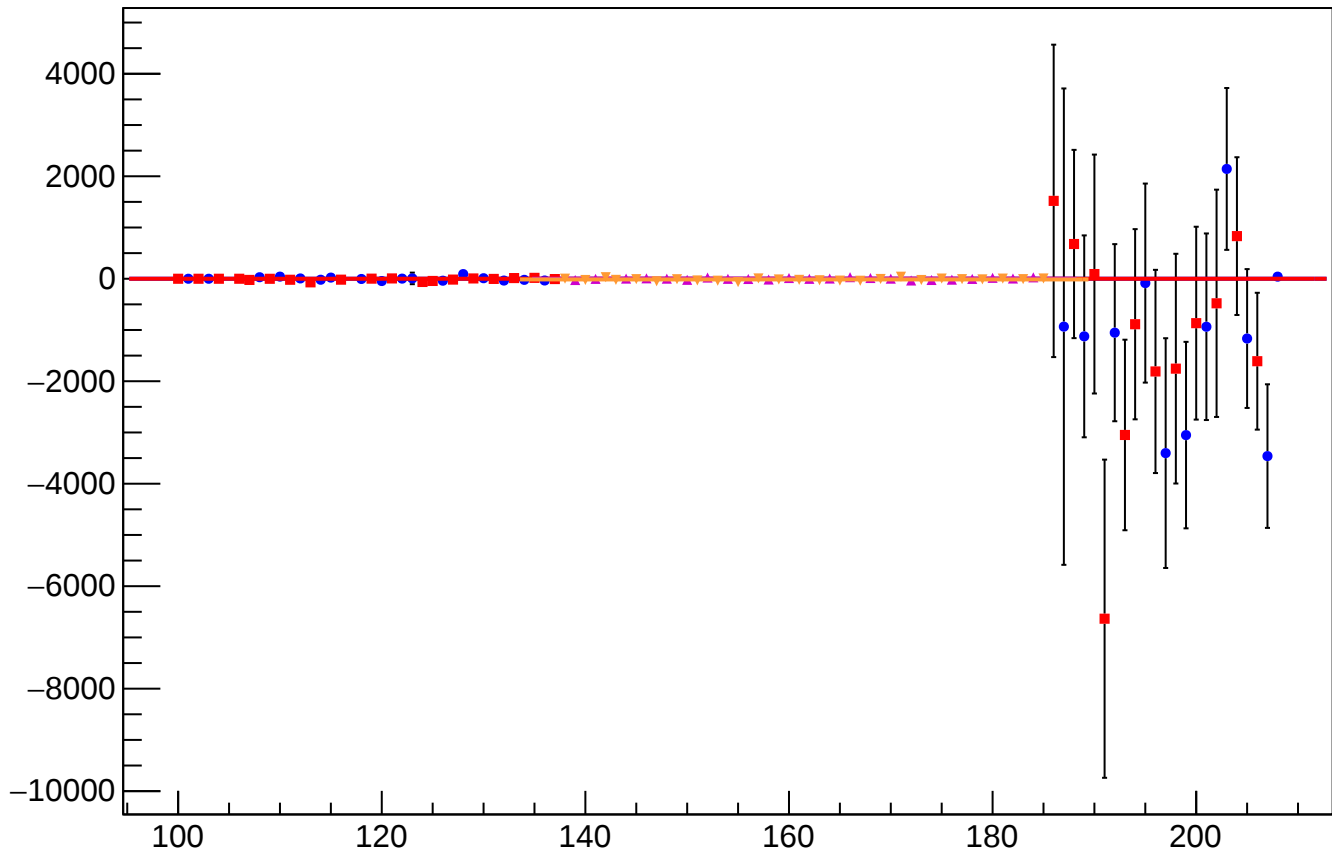
- sign 0.205 ± 0.367 χ^2/NDF : 52.4/53

diff_bpm1p03aY_rms vs Slug



Right In: 1545.094+/-0.332	χ^2/NDF : 6861958.6/27	+ sign 1839.735+/-0.250	χ^2/NDF : 10092792.3/52
Left Out: 2222.081+/-0.378	χ^2/NDF : 1422440.9/24	All: 1861.014+/-0.180	χ^2/NDF : 20282929.1/100
Right Out: 1641.353+/-0.353	χ^2/NDF : 7170924.2/30	- sign 1884.002+/-0.259	χ^2/NDF : 10175015.9/53
Left In: 2169.443+/-0.383	χ^2/NDF : 1974869.8/22		

diff_cav4bX_mean vs Slug



Right In: 0.013 $\pm$ 0.017 χ^2 /NDF: 32.1/27

Left Out: -13.484 $\pm$ 2.800 χ^2 /NDF: 58.7/24

Right Out: 0.003 $\pm$ 0.016 χ^2 /NDF: 26.8/30

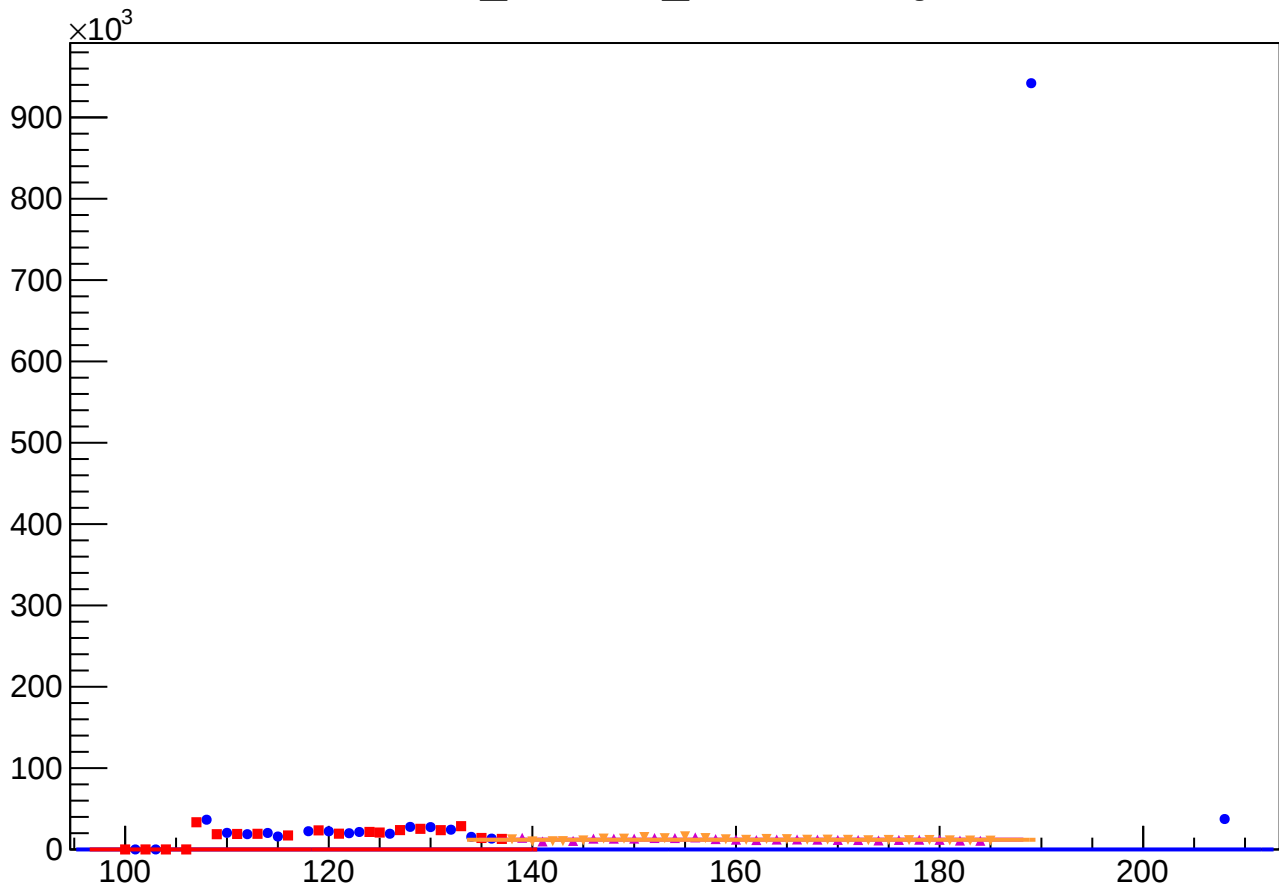
Left In: -0.459 $\pm$ 2.917 χ^2 /NDF: 29.0/22

+ sign 0.013 $\pm$ 0.017 χ^2 /NDF: 114.0/52

All: 0.008 $\pm$ 0.012 χ^2 /NDF: 170.0/106

- sign 0.003 $\pm$ 0.016 χ^2 /NDF: 55.8/53

diff_cav4bX_rms vs Slug



Right In: 18.646+/-0.012 χ^2/NDF : 12285558.7/18

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

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

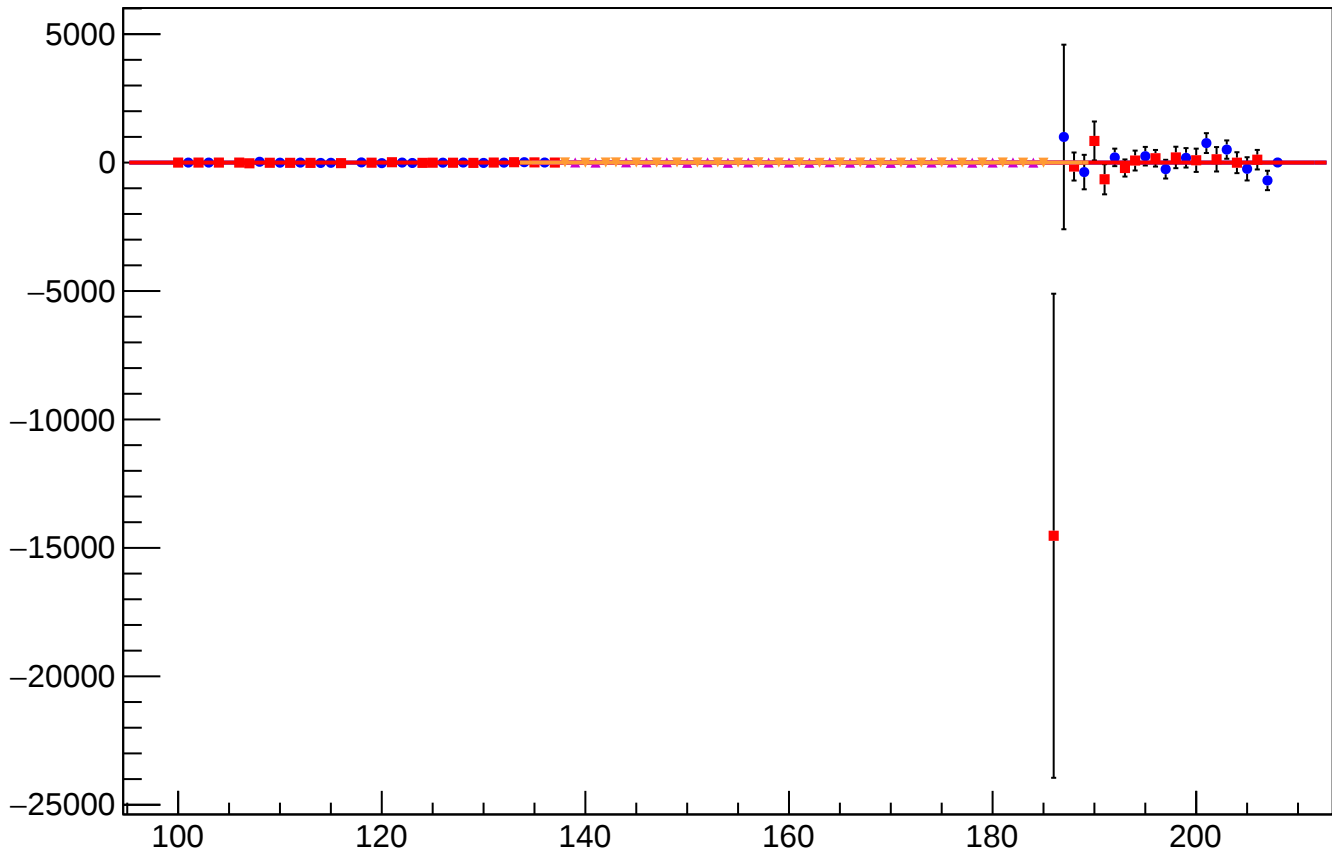
Left In: 12064.761+/-2.062 χ^2/NDF : 368452.5/22

+ sign 19.102+/-0.012 χ^2/NDF : 48825179.8/43

All: 18.873+/-0.008 χ^2/NDF : 94373582.6/85

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

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 24.6/27

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

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 24.8/30

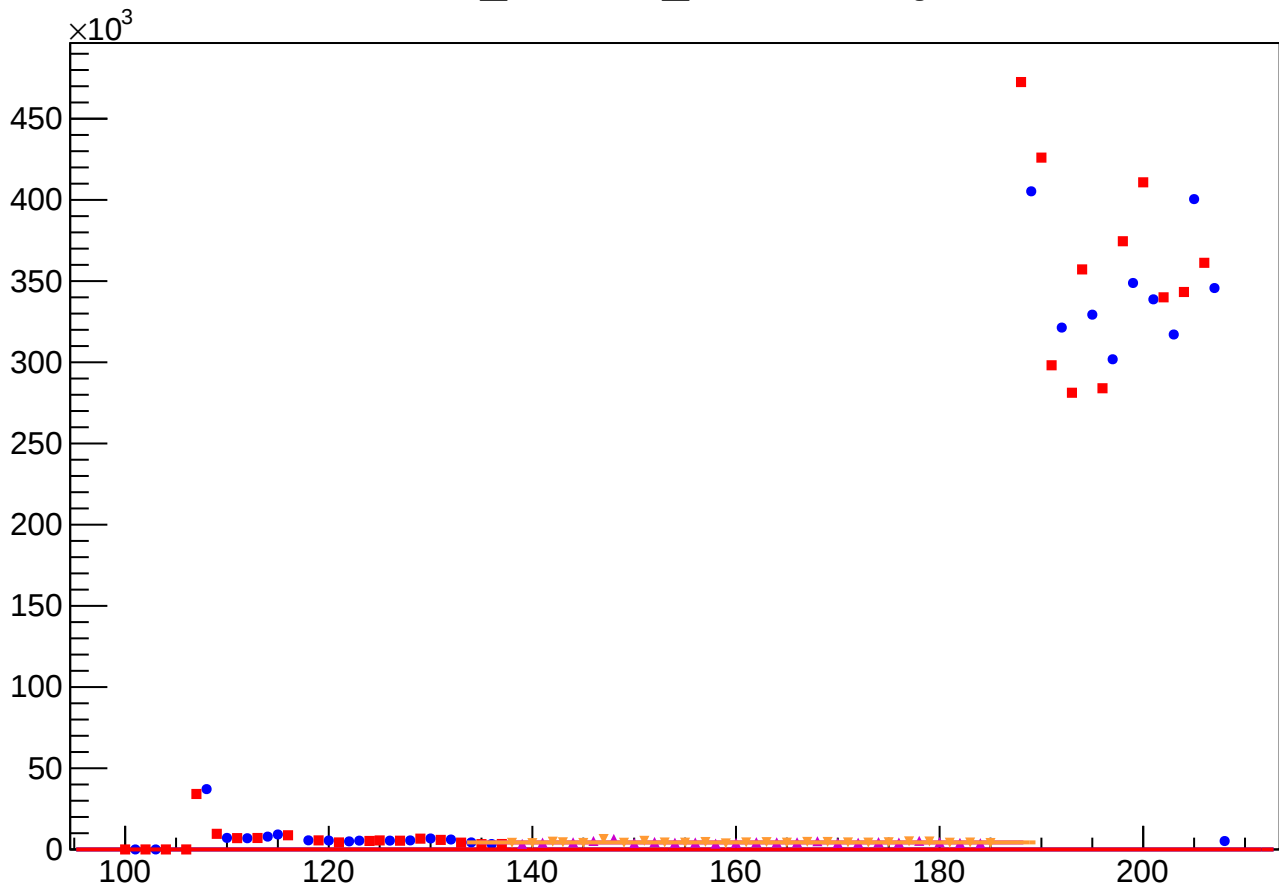
Left In: 0.939 $\pm$ 1.049 χ^2 /NDF:35.6/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 45.6/52

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 107.9/106

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 61.2/53

diff_cav4bY_rms vs Slug



Right In: 9.950 ± 0.007 χ^2/NDF : 25796458.8/26

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

Right Out: 9.856 ± 0.006 χ^2/NDF : 25906547.0/29

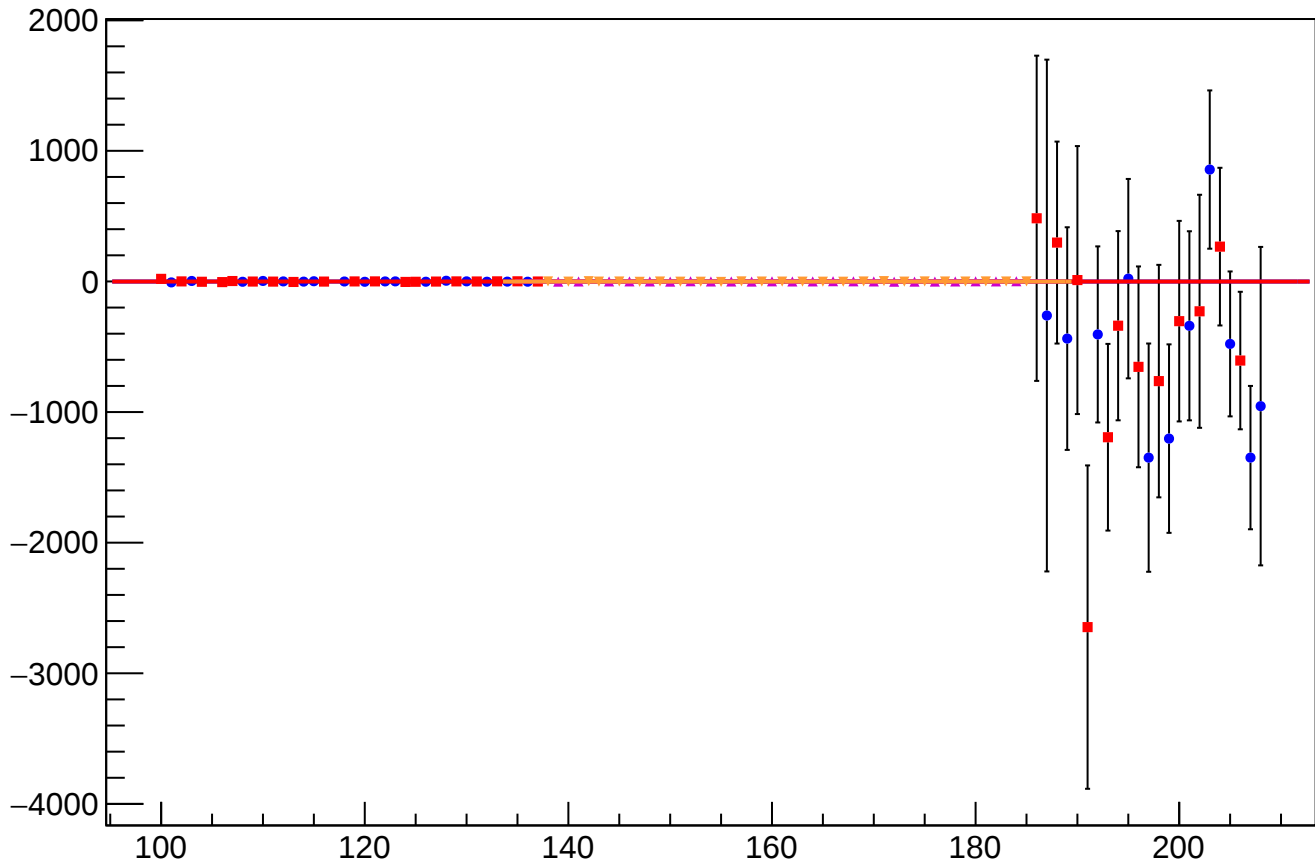
Left In: 4321.572 ± 0.741 χ^2/NDF : 514603.2/22

+ sign 10.301 ± 0.007 χ^2/NDF : 62223703.6/51

All: 10.221 ± 0.004 χ^2/NDF : 122463896.7/10

- sign 10.149 ± 0.006 χ^2/NDF : 60239901.9/52

diff_cav4cX_mean vs Slug



Right In: -0.716 ± 0.483 χ^2/NDF : 38.1/27

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

Right Out: -0.640 ± 0.501 χ^2/NDF : 24.1/30

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

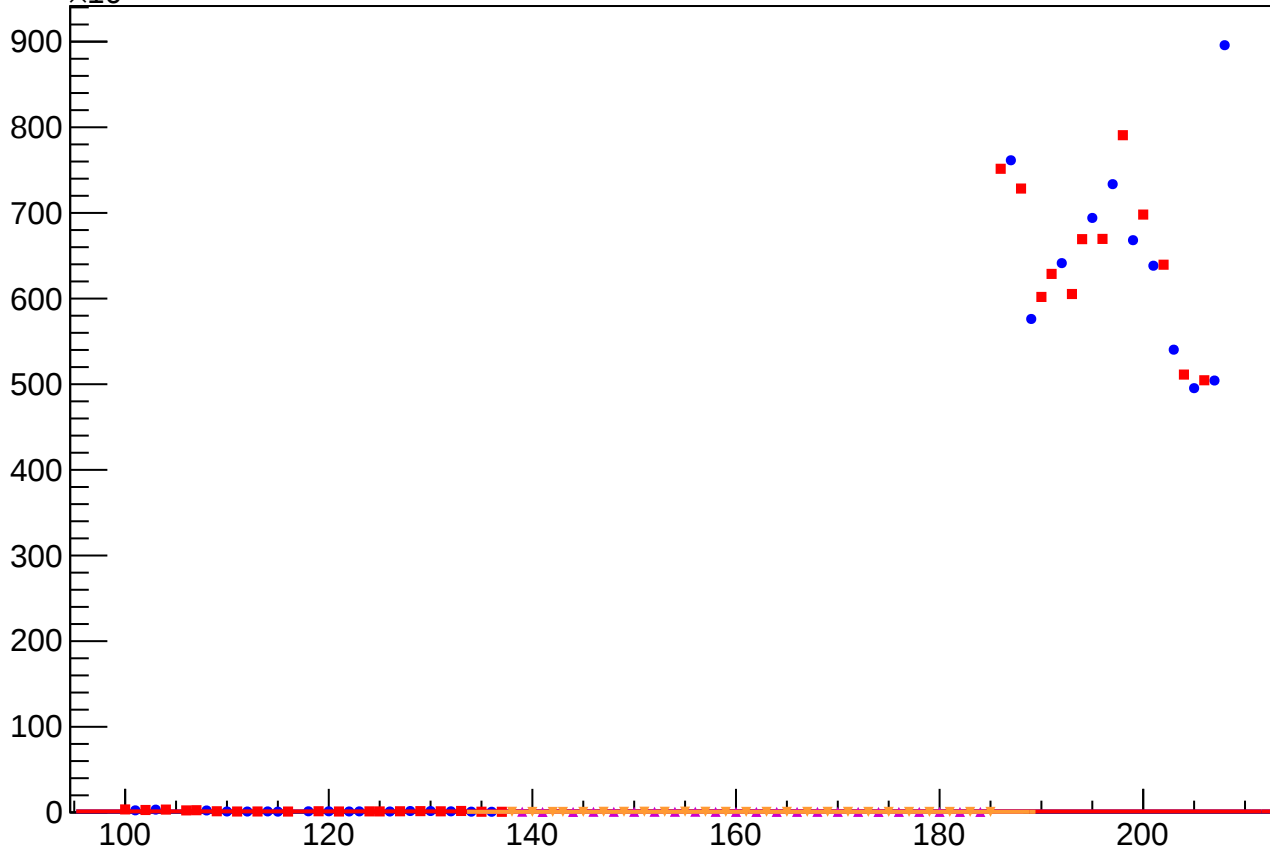
+ sign -0.769 ± 0.156 χ^2/NDF : 96.6/52

All: -0.439 ± 0.112 χ^2/NDF : 160.9/106

- sign -0.083 ± 0.162 χ^2/NDF : 54.9/53

diff_cav4cX_rms vs Slug

$\times 10^3$



Right In: 1169.991 $\pm$ 0.342 χ^2 /NDF: 16670575.5/27

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

Right Out: 1251.034 $\pm$ 0.355 χ^2 /NDF: 17398745.4/30

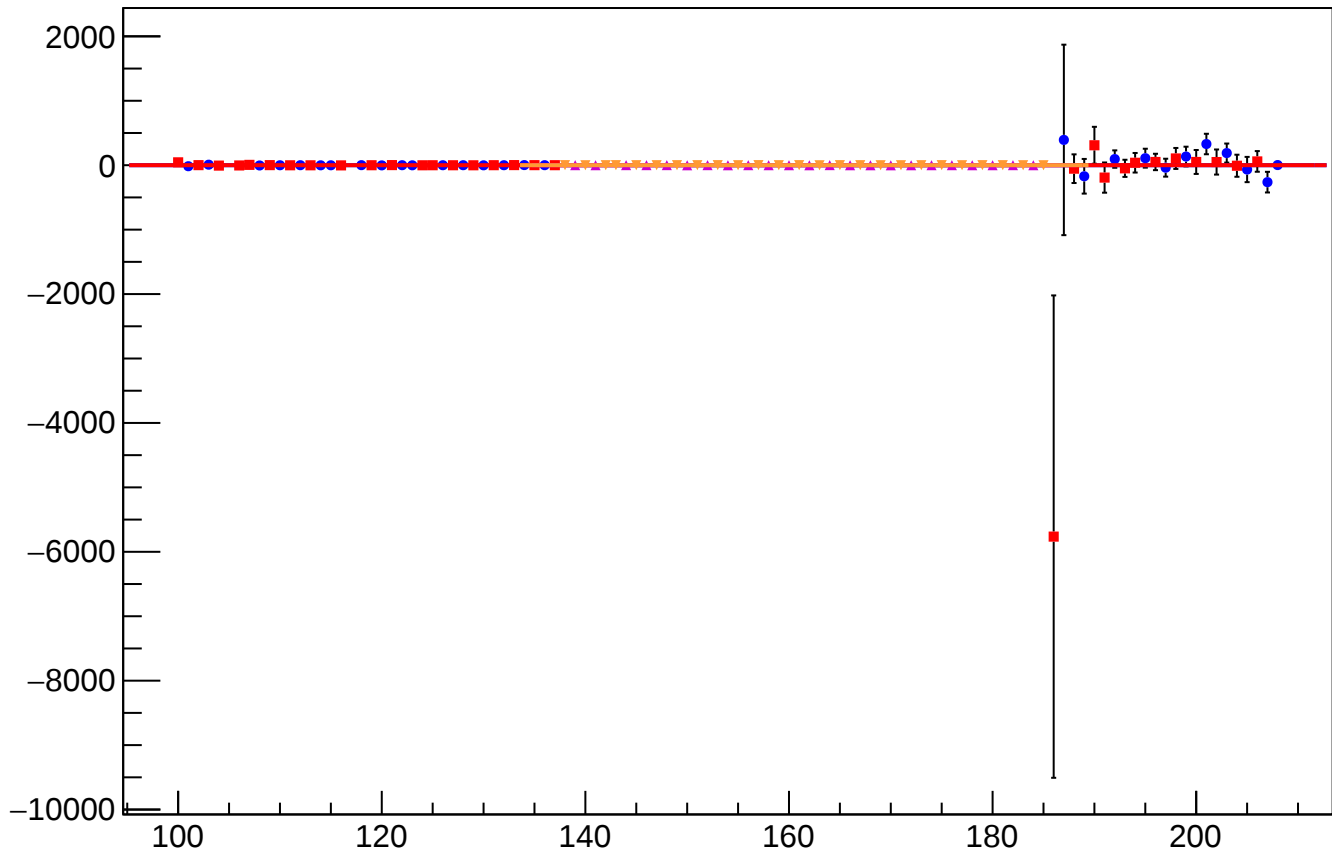
Left In: 706.971 $\pm$ 0.121 χ^2 /NDF:332011.4/22

+ sign 749.750 $\pm$ 0.110 χ^2 /NDF: 18752295.4/52

All: 756.376 $\pm$ 0.079 χ^2 /NDF: 38600028.1/10

- sign 763.511 $\pm$ 0.114 χ^2 /NDF: 19840218.4/53

diff_cav4cY_mean vs Slug



Right In: -0.052 ± 0.269 χ^2/NDF : 30.4/27

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

Right Out: 0.280 ± 0.264 χ^2/NDF : 25.8/30

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

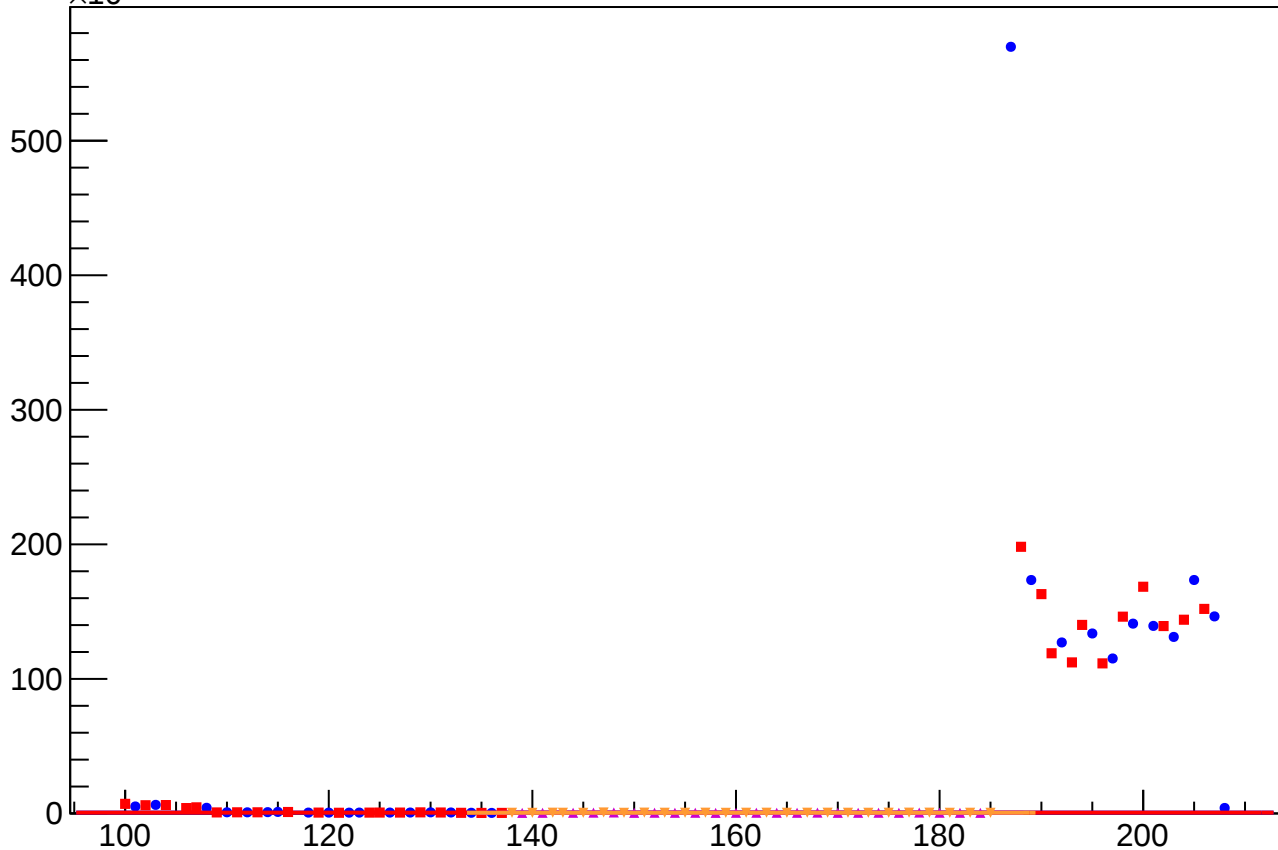
+ sign 0.184 ± 0.112 χ^2/NDF : 49.3/52

All: 0.169 ± 0.080 χ^2/NDF : 110.4/106

- sign 0.154 ± 0.114 χ^2/NDF : 61.1/53

diff_cav4cY_rms vs Slug

$\times 10^3$



Right In: 621.651 $\pm$ 0.190 χ^2 /NDF: 17838727.4/27

Left Out: 522.220 $\pm$ 0.087 χ^2 /NDF: 330405.3/24

Right Out: 602.466 $\pm$ 0.187 χ^2 /NDF: 18340943.0/29

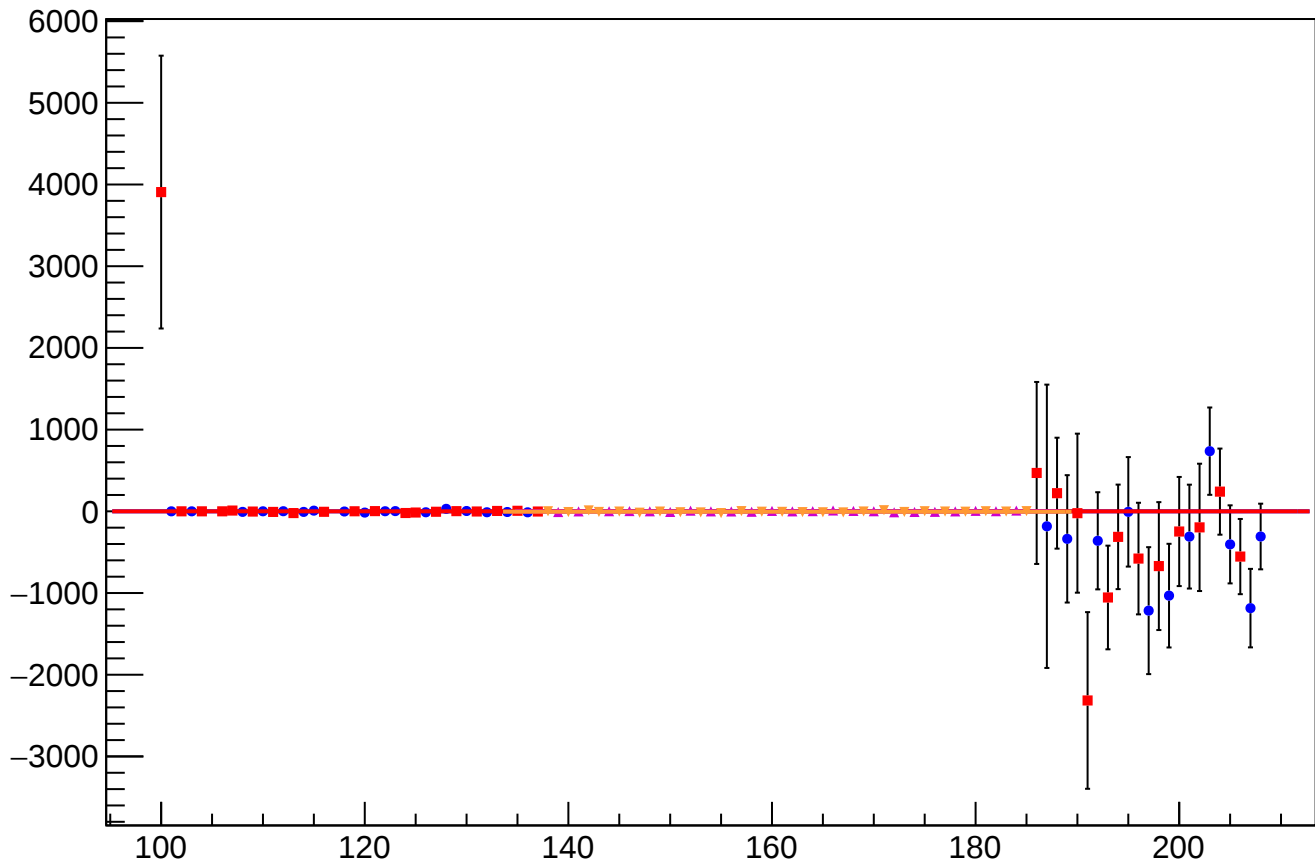
Left In: 520.700 $\pm$ 0.089 χ^2 /NDF: 427720.5/22

+ sign 539.358 $\pm$ 0.079 χ^2 /NDF: 18395865.4/52

All: 537.645 $\pm$ 0.056 χ^2 /NDF: 37321286.9/10

- sign 535.859 $\pm$ 0.081 χ^2 /NDF: 18924457.4/52

diff_cav4dX_mean vs Slug



Right In: -0.022 $\pm$ 0.021 χ^2 /NDF: 31.2/27

Left Out: -4.480 $\pm$ 0.957 χ^2 /NDF: 58.4/24

Right Out: -0.027 $\pm$ 0.020 χ^2 /NDF: 28.6/30

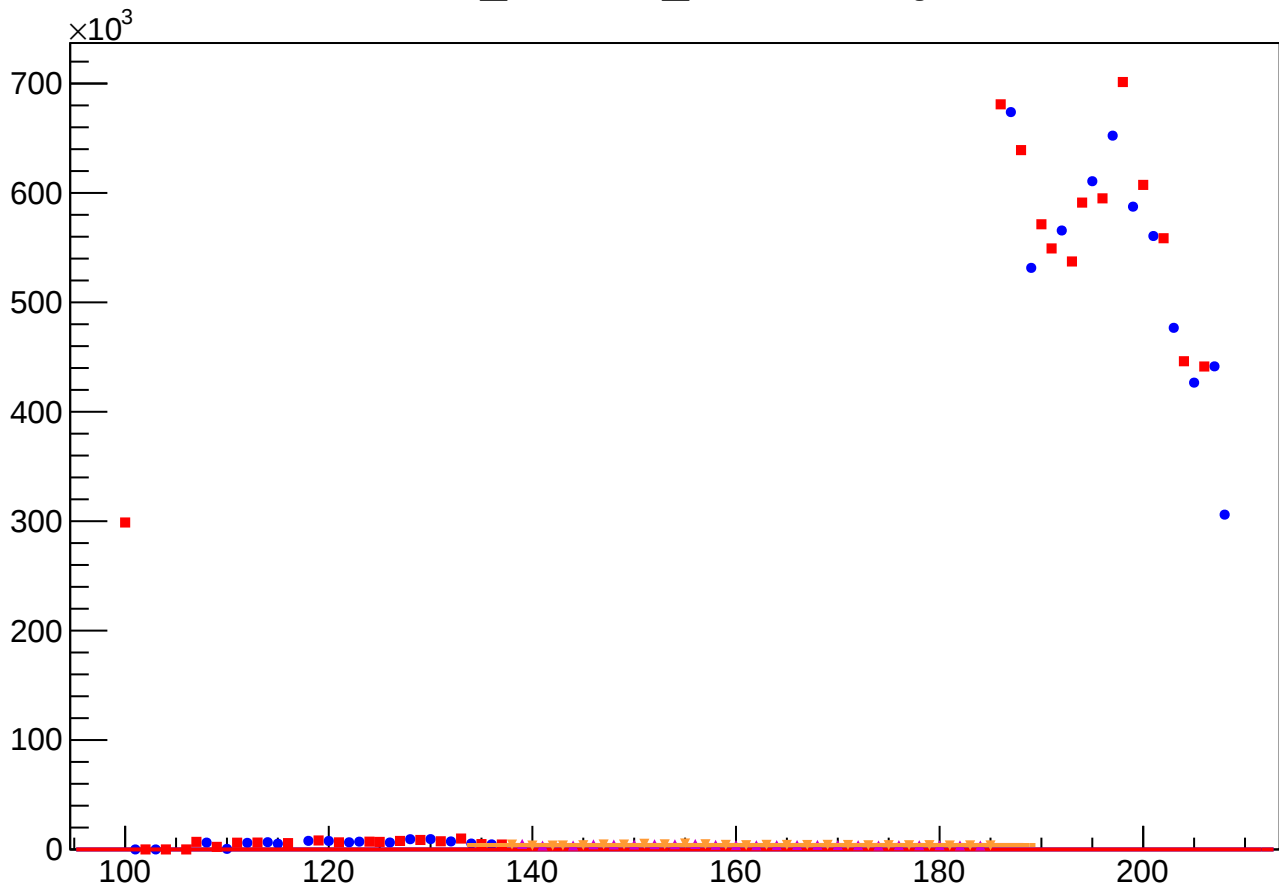
Left In: -0.183 $\pm$ 0.994 χ^2 /NDF: 29.5/22

+ sign -0.024 $\pm$ 0.021 χ^2 /NDF: 111.3/52

All: -0.025 $\pm$ 0.014 χ^2 /NDF: 169.4/106

- sign -0.027 $\pm$ 0.020 χ^2 /NDF: 58.1/53

diff_cav4dX_rms vs Slug



Right In: 17.346+/-0.015 χ^2 /NDF: 25876768.5/27

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

Right Out: 17.273+/-0.014 χ^2 /NDF: 26690919.6/30

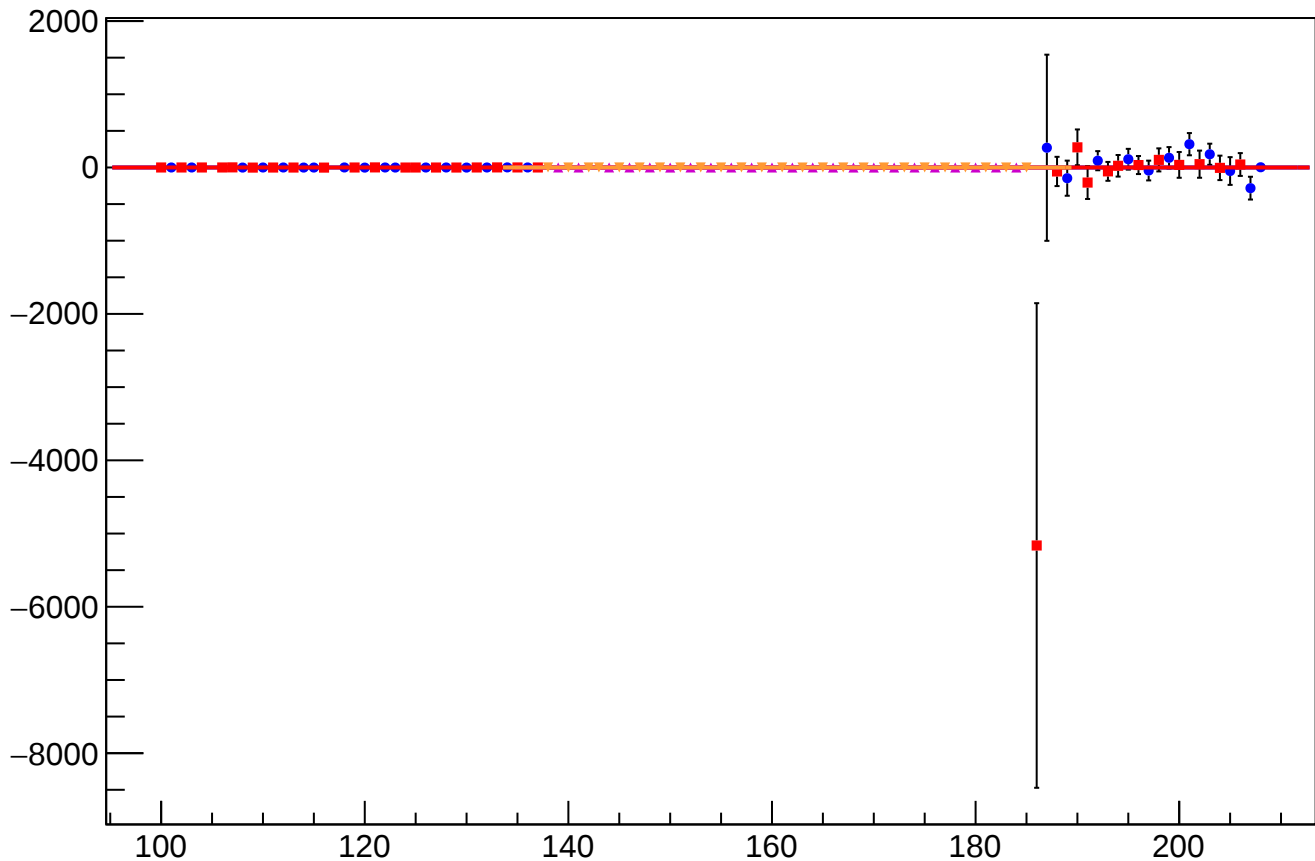
Left In: 4113.993+/-0.703 χ^2 /NDF:349160.6/22

+ sign 19.260+/-0.015 χ^2 /NDF: 62226819.9/52

All: 19.068+/-0.010 χ^2 /NDF: 123223118.2/10

- sign 18.894+/-0.014 χ^2 /NDF: 60995972.0/53

diff_cav4dY_mean vs Slug



Right In: 0.000 ± 0.002 χ^2/NDF : 25.6/27

Left Out: 0.148 ± 0.076 χ^2/NDF : 17.3/24

Right Out: 0.001 ± 0.002 χ^2/NDF : 23.7/30

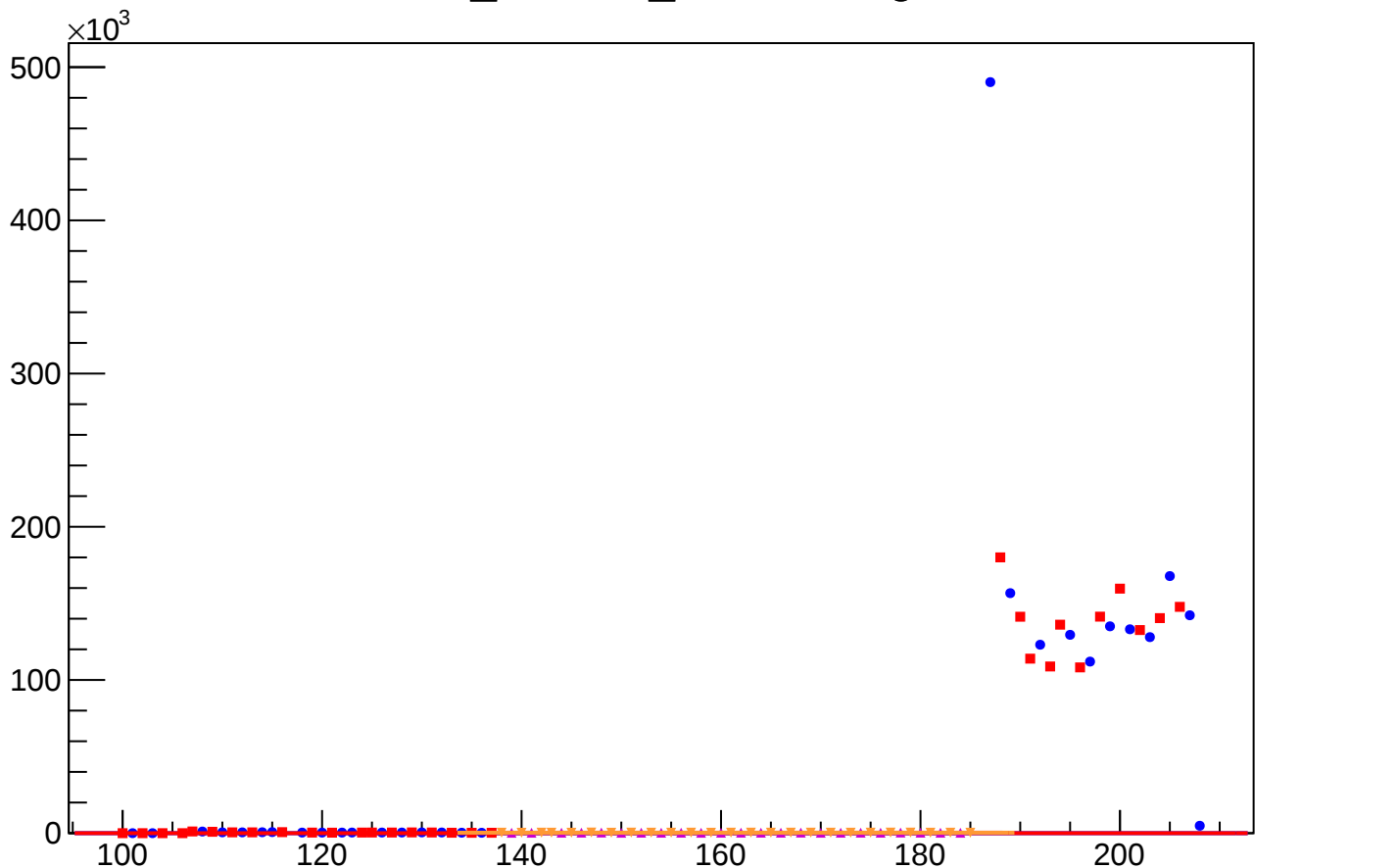
Left In: 0.080 ± 0.079 χ^2/NDF : 34.6/22

+ sign 0.000 ± 0.002 χ^2/NDF : 46.7/52

All: 0.001 ± 0.001 χ^2/NDF : 106.0/106

- sign 0.001 ± 0.002 χ^2/NDF : 59.3/53

diff_cav4dY_rms vs Slug



Right In: 1.700 $\pm$ 0.001 χ^2 /NDF: 26180565.0/27

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

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 25670134.1/29

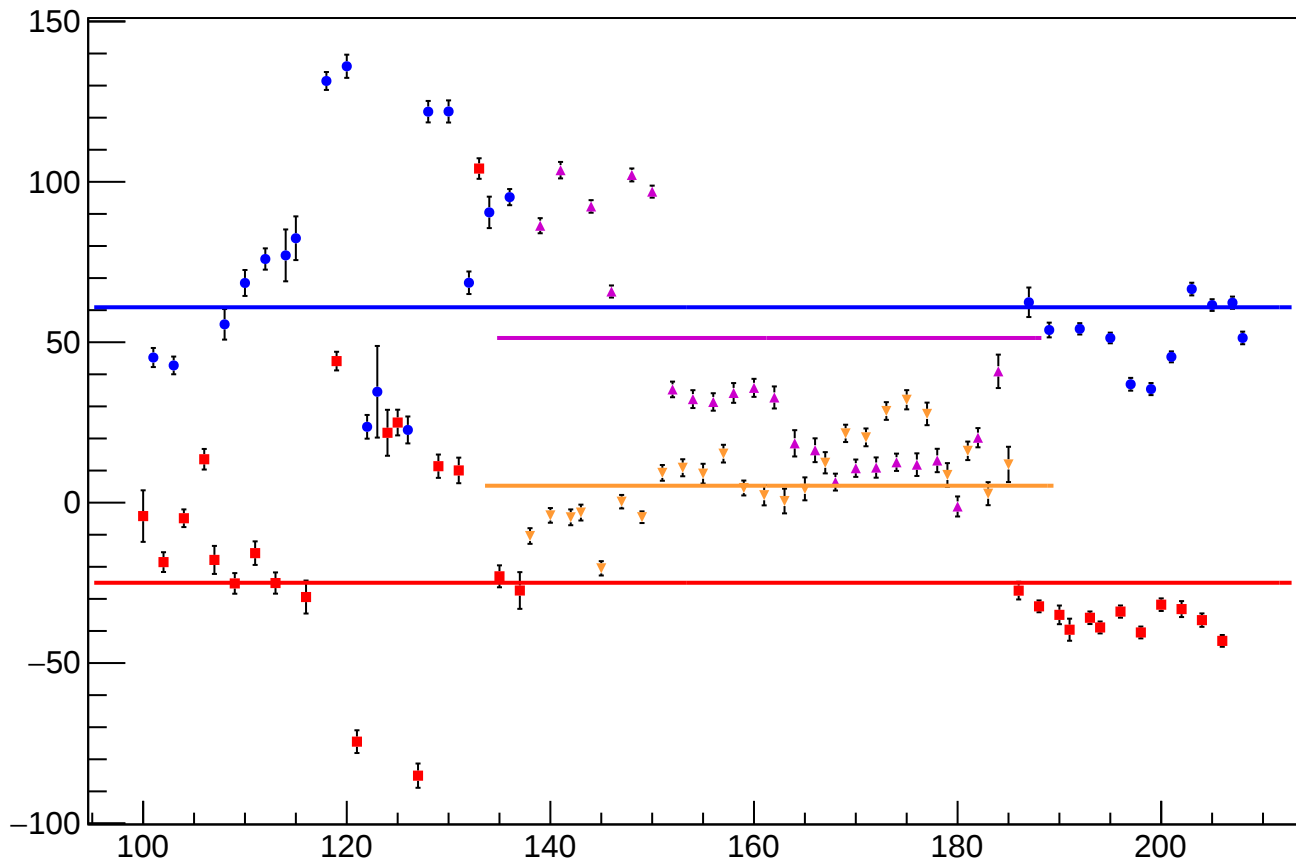
Left In: 325.626 $\pm$ 0.056 χ^2 /NDF:413350.0/22

+ sign 1.927 $\pm$ 0.001 χ^2 /NDF: 62392318.2/52

All: 1.925 $\pm$ 0.001 χ^2 /NDF: 122200343.7/105

- sign 1.924 $\pm$ 0.001 χ^2 /NDF: 59808023.4/52

diff_bpm0i01X_mean vs Slug



Right In: 60.903 ± 0.491 χ^2/NDF : 2739.8/27

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

Right Out: -24.974 ± 0.494 χ^2/NDF : 3610.7/30

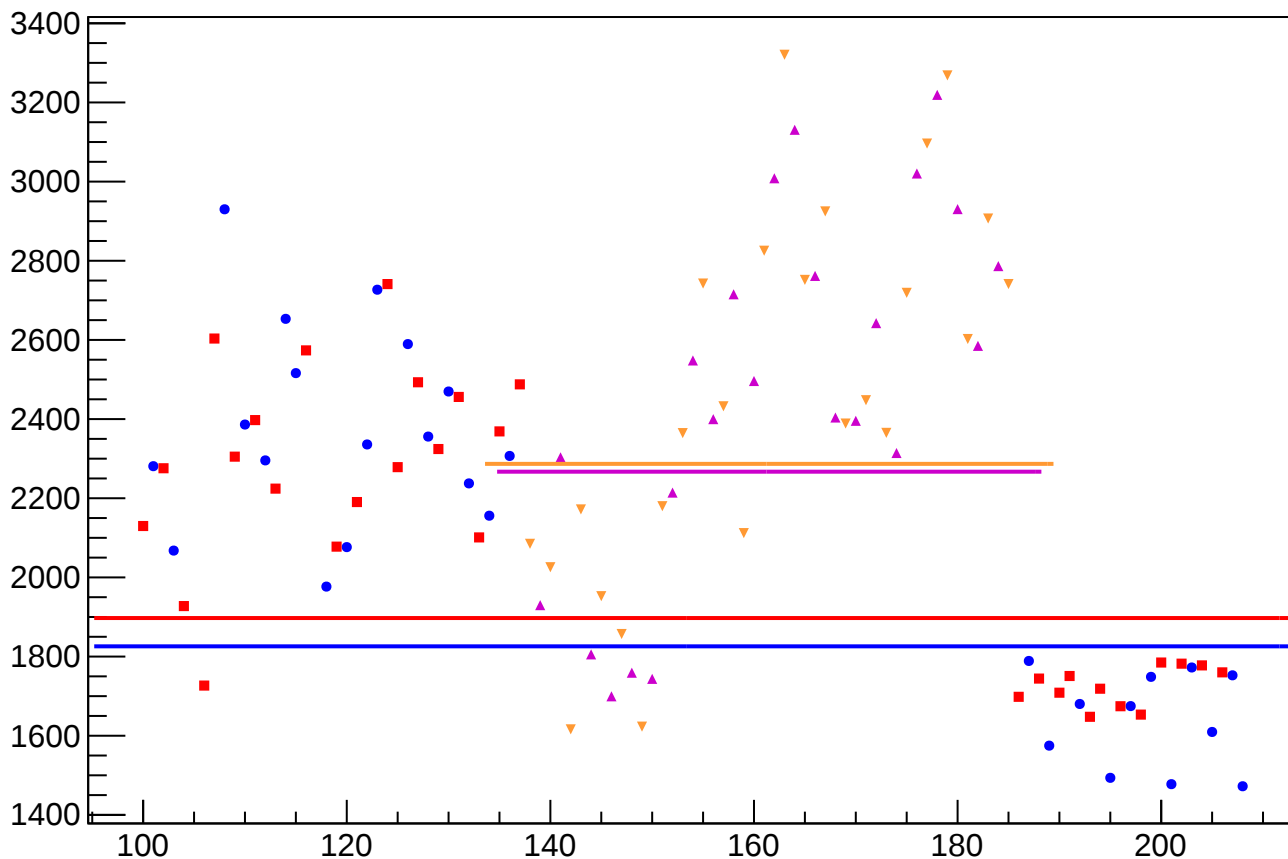
Left In: 51.328 ± 0.558 χ^2/NDF : 4257.8/22

+ sign 35.946 ± 0.364 χ^2/NDF : 9057.4/52

All: 22.432 ± 0.260 χ^2/NDF : 30194.8/106

- sign 8.514 ± 0.370 χ^2/NDF : 18347.0/53

diff_bpm0i01X_rms vs Slug



Right In: 1825.861 $\pm$ 0.347 χ^2 /NDF: 958522.2/27

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

Right Out: 1897.355 $\pm$ 0.349 χ^2 /NDF: 642840.0/30

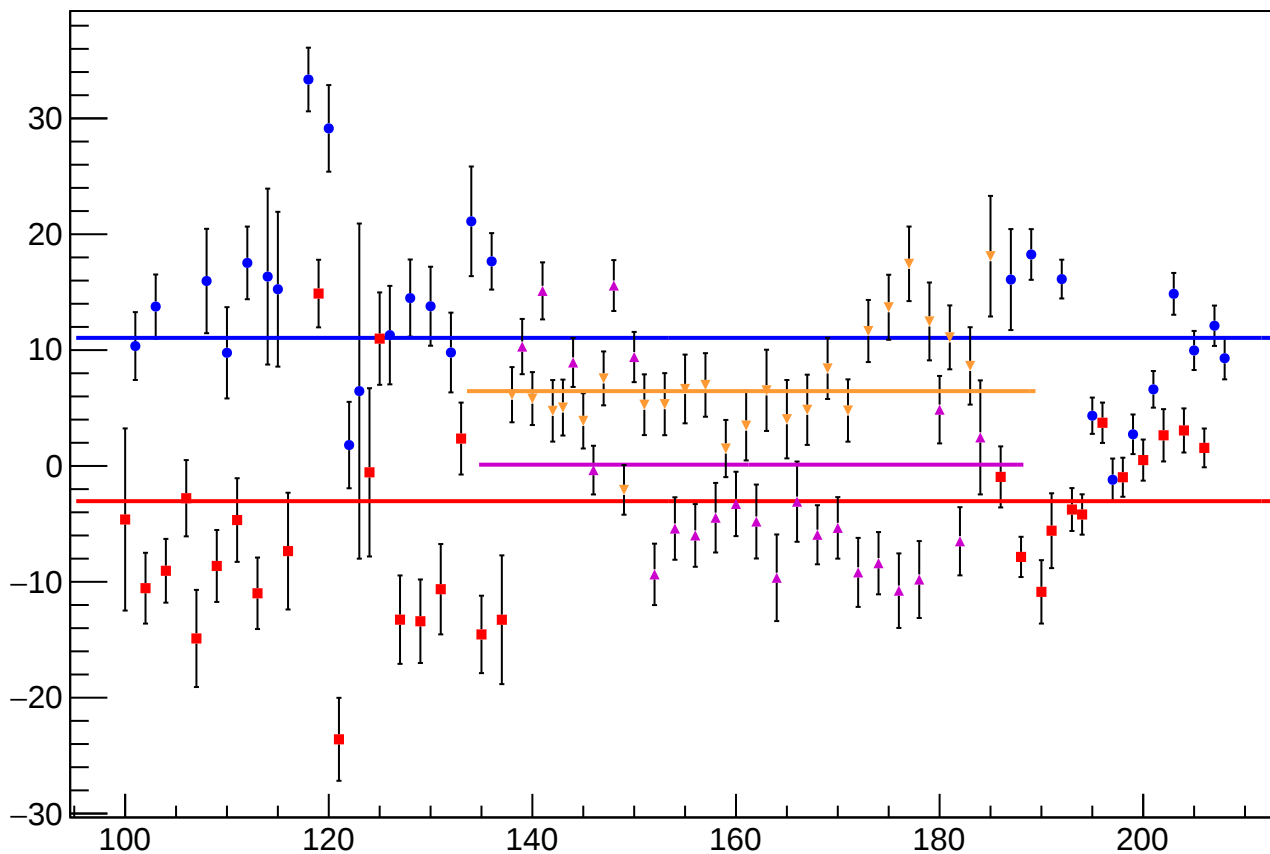
Left In: 2267.097 $\pm$ 0.395 χ^2 /NDF:1313364.4/22

+ sign 2032.690 $\pm$ 0.258 χ^2 /NDF: 3110431.4/52

All: 2045.961 $\pm$ 0.184 χ^2 /NDF: 5564126.8/10

- sign 2059.630 $\pm$ 0.262 χ^2 /NDF: 2448312.8/53

diff_bpm0i01Y_mean vs Slug



Right In: 11.056 ± 0.463 χ^2/NDF : 239.0/27

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

Right Out: -3.038 ± 0.466 χ^2/NDF : 212.9/30

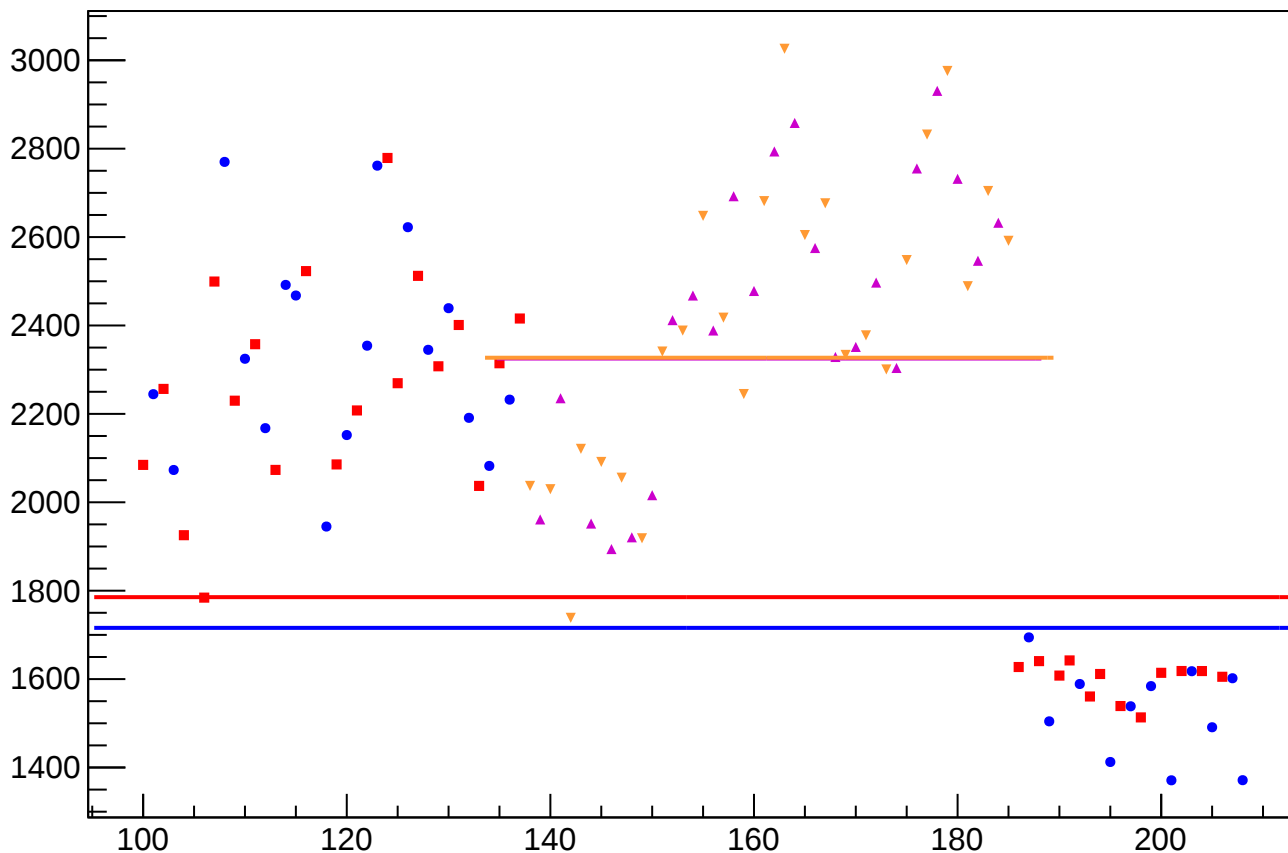
Left In: 0.110 ± 0.565 χ^2/NDF : 234.6/22

+ sign 9.140 ± 0.353 χ^2/NDF : 338.8/52

All: 3.783 ± 0.252 χ^2/NDF : 1272.2/106

- sign -1.763 ± 0.360 χ^2/NDF : 465.9/53

diff_bpm0i01Y_rms vs Slug



Right In: 1715.893 $\pm$ 0.327 χ^2 /NDF: 1198871.8/27

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

Right Out: 1785.385 $\pm$ 0.330 χ^2 /NDF: 877767.6/30

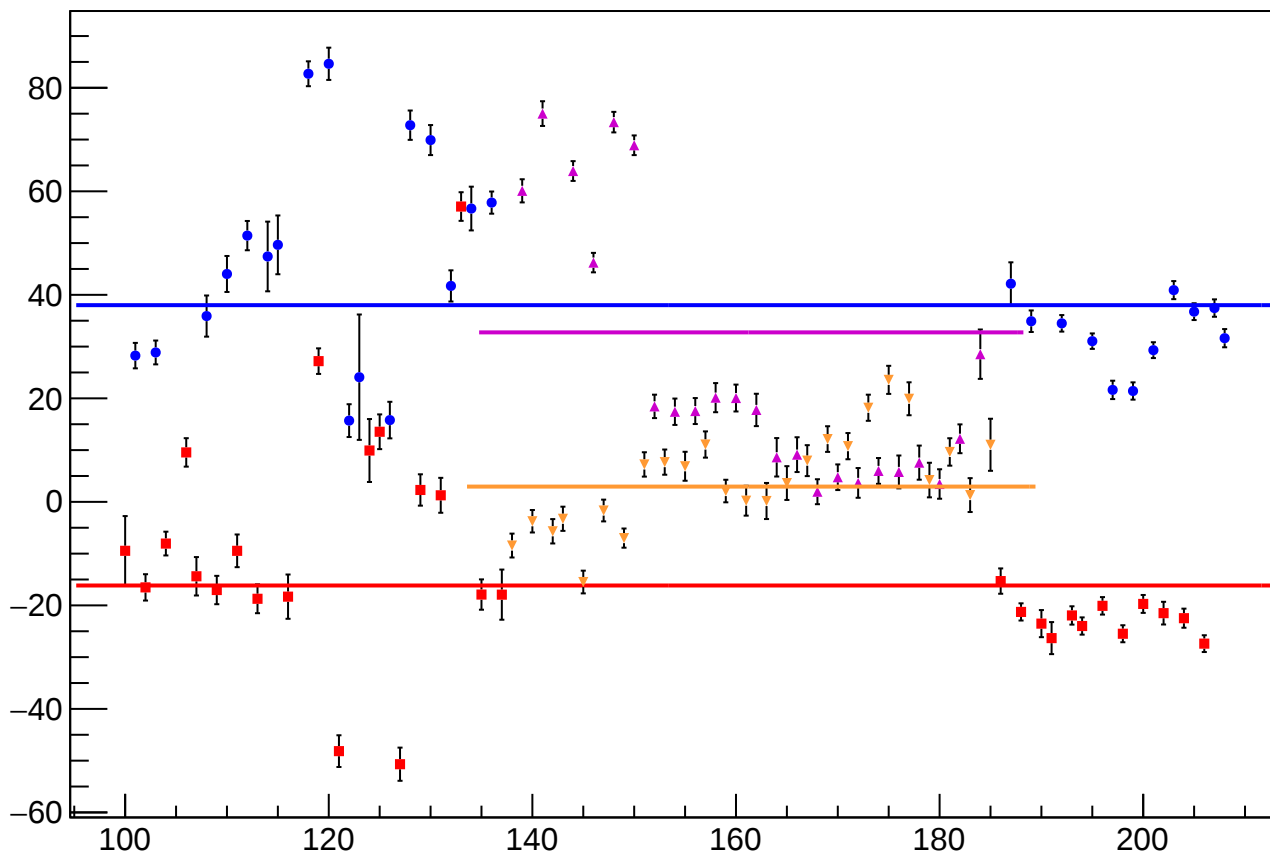
Left In: 2325.175 $\pm$ 0.400 χ^2 /NDF: 610729.2/22

+ sign 1970.564 $\pm$ 0.250 χ^2 /NDF: 3298863.3/52

All: 1986.995 $\pm$ 0.178 χ^2 /NDF: 5881705.5/10

- sign 2004.008 $\pm$ 0.254 χ^2 /NDF: 2574045.7/53

diff_bpm0i01aX_mean vs Slug



Right In: 38.006 ± 0.431 χ^2/NDF : 1364.2/27

Left Out: 2.952 ± 0.512 χ^2/NDF : 337.8/24

Right Out: -16.158 ± 0.432 χ^2/NDF : 1670.2/30

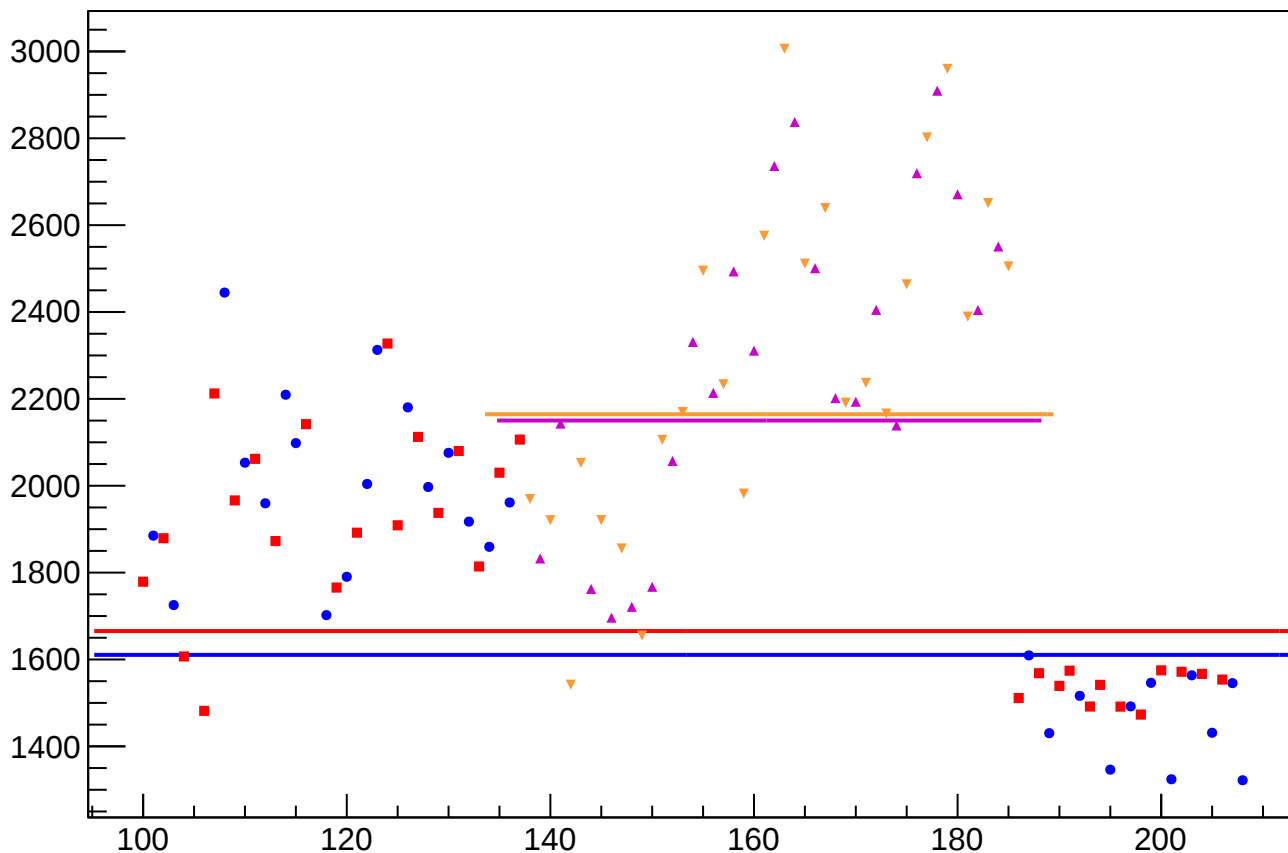
Left In: 32.745 ± 0.526 χ^2/NDF : 2632.5/22

+ sign 23.470 ± 0.330 χ^2/NDF : 4446.4/52

All: 13.633 ± 0.235 χ^2/NDF : 15712.6/106

- sign 3.541 ± 0.334 χ^2/NDF : 9462.3/53

diff_bpm0i01aX_rms vs Slug



Right In: 1610.595 $\pm$ 0.305 χ^2 /NDF: 729703.8/27

Left Out: 2164.573 $\pm$ 0.362 χ^2 /NDF: 965603.5/24

Right Out: 1665.449 $\pm$ 0.306 χ^2 /NDF: 471283.7/30

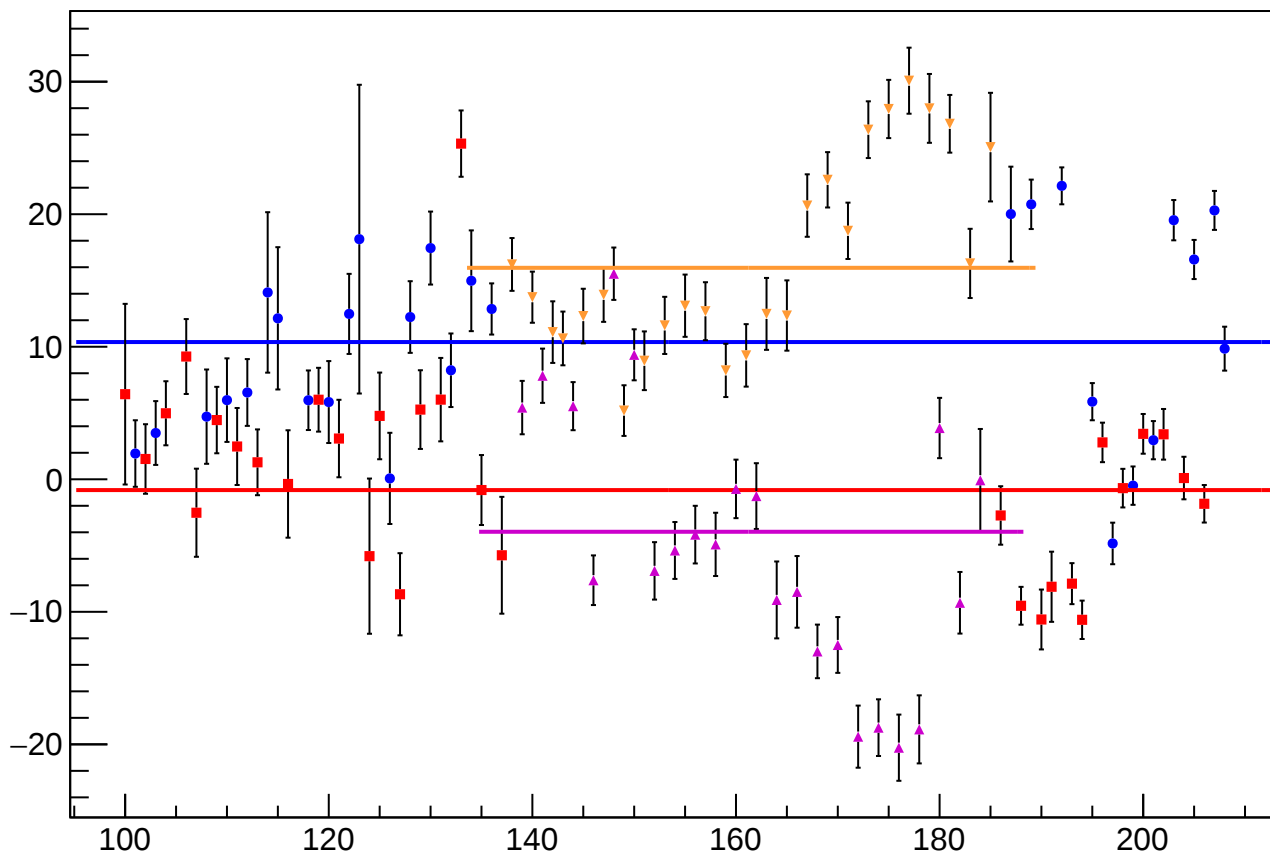
Left In: 2150.190 $\pm$ 0.372 χ^2 /NDF: 911849.7/22

+ sign 1840.317 $\pm$ 0.233 χ^2 /NDF: 3066180.4/52

All: 1850.381 $\pm$ 0.166 χ^2 /NDF: 5466978.9/10

- sign 1860.707 $\pm$ 0.236 χ^2 /NDF: 2397021.9/53

diff_bpm0i01aY_mean vs Slug



Right In: 10.355 ± 0.394 $\chi^2/\text{NDF}: 449.9/27$

Left Out: 15.956 ± 0.447 $\chi^2/\text{NDF}: 245.2/24$

Right Out: -0.815 ± 0.389 $\chi^2/\text{NDF}: 316.8/30$

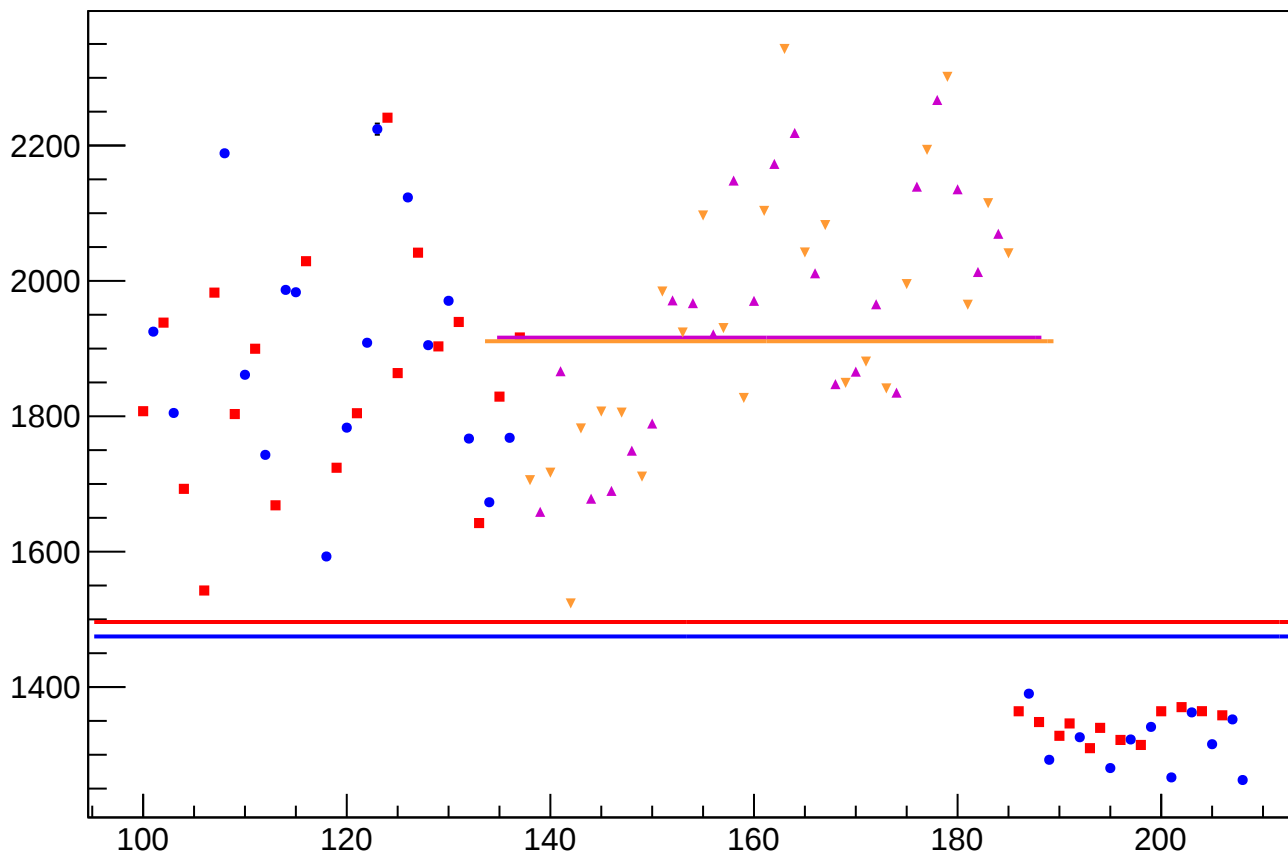
Left In: -3.960 ± 0.463 $\chi^2/\text{NDF}: 464.9/22$

+ sign 12.801 ± 0.296 $\chi^2/\text{NDF}: 783.4/52$

All: 5.398 ± 0.210 $\chi^2/\text{NDF}: 2855.6/106$

- sign -2.118 ± 0.298 $\chi^2/\text{NDF}: 808.8/53$

diff_bpm0i01aY_rms vs Slug



Right In: 1474.737 $\pm$ 0.279 χ^2 /NDF: 842640.5/27

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

Right Out: 1496.105 $\pm$ 0.275 χ^2 /NDF: 737888.7/30

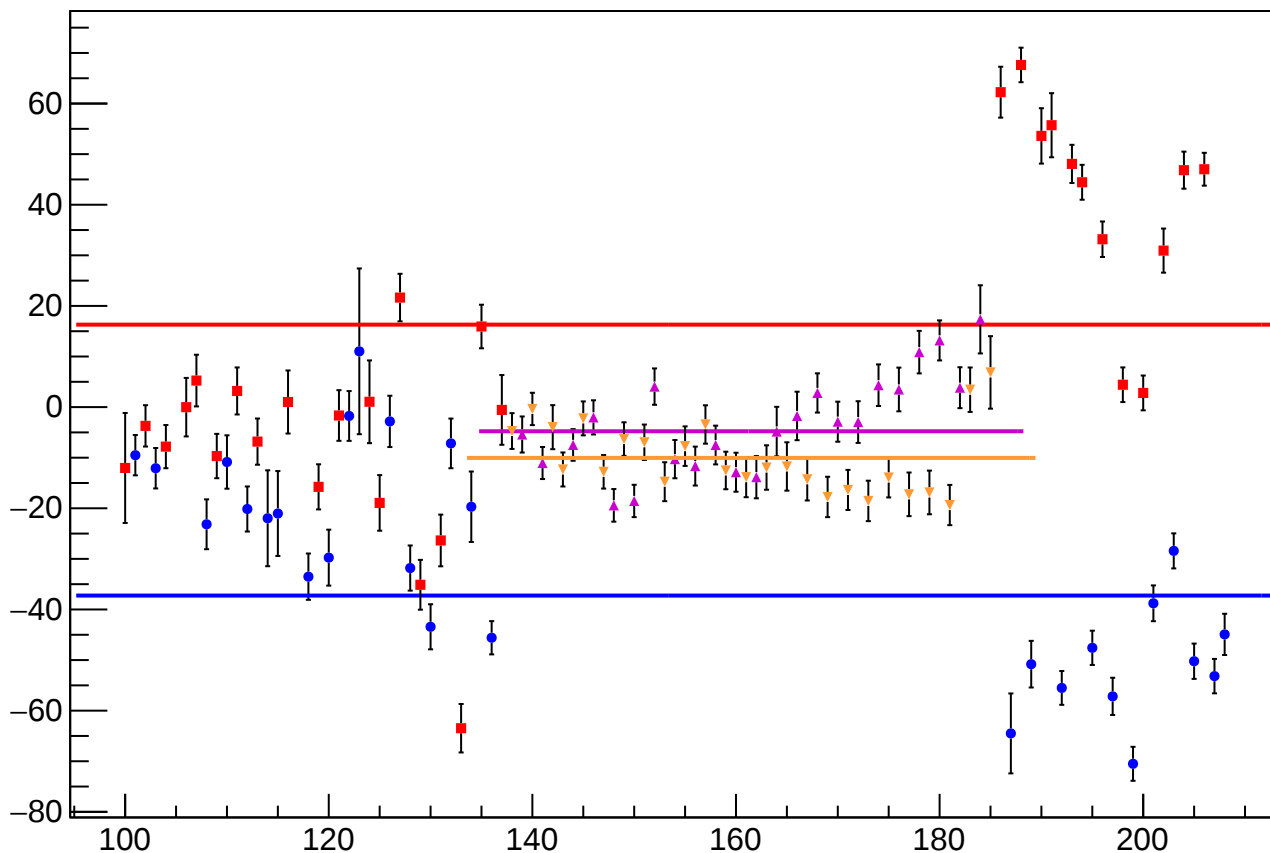
Left In: 1916.159 $\pm$ 0.327 χ^2 /NDF: 274285.3/22

+ sign 1665.208 $\pm$ 0.209 χ^2 /NDF: 2242025.7/52

All: 1667.665 $\pm$ 0.148 χ^2 /NDF: 4219266.6/10

- sign 1670.159 $\pm$ 0.211 χ^2 /NDF: 1976962.6/53

diff_bpm0l01X_mean vs Slug



Right In: -37.250 ± 0.818 χ^2/NDF : 538.6/27

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

Right Out: 16.302 ± 0.802 χ^2/NDF : 1475.4/30

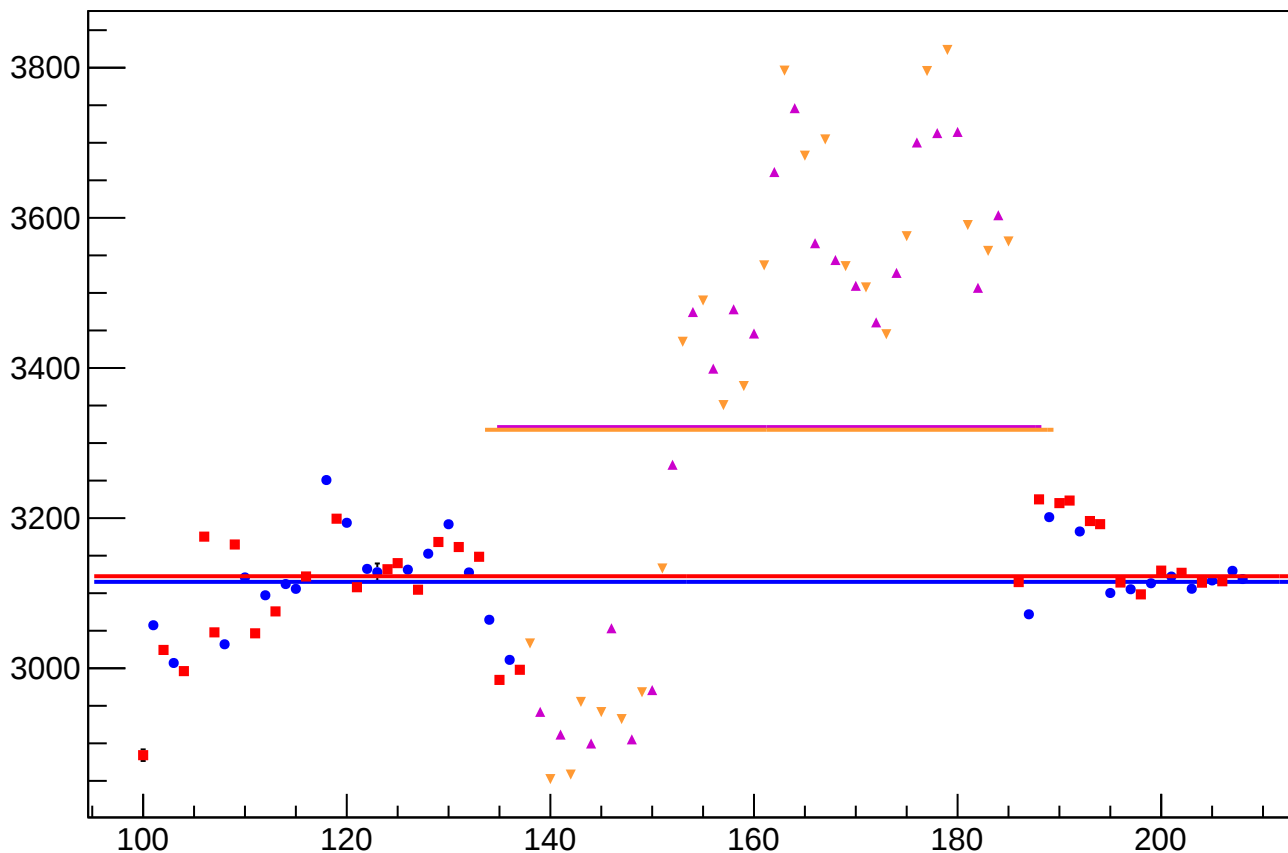
Left In: -4.774 ± 0.800 χ^2/NDF : 128.5/22

+ sign -22.928 ± 0.563 χ^2/NDF : 1187.5/52

All: -8.671 ± 0.399 χ^2/NDF : 4426.1/106

- sign 5.748 ± 0.566 χ^2/NDF : 1950.0/53

diff_bpm0l01X_rms vs Slug



Right In: 3115.115 $\pm$ 0.579 χ^2 /NDF: 9233.1/27

Left Out: 3317.699 $\pm$ 0.549 χ^2 /NDF: 336877.2/24

Right Out: 3122.607 $\pm$ 0.567 χ^2 /NDF: 13766.8/30

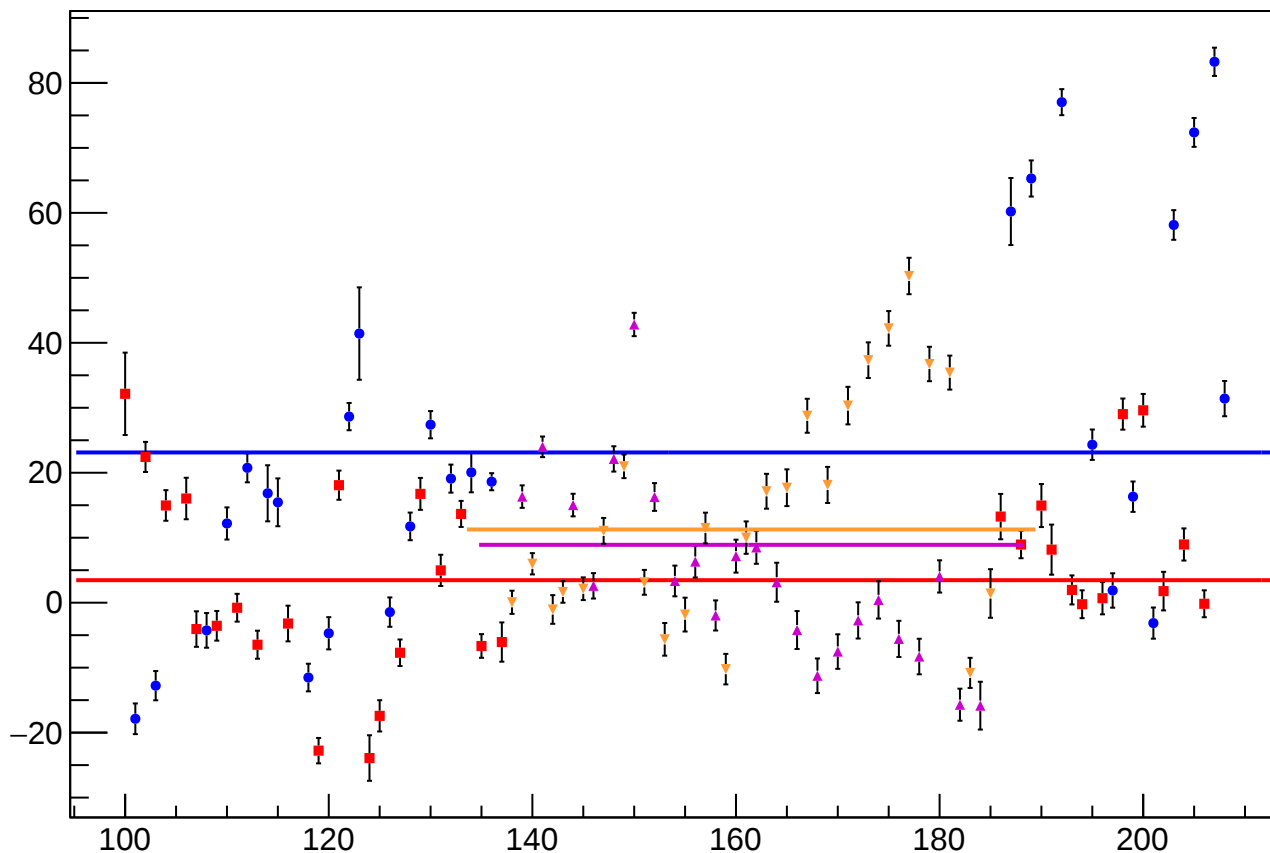
Left In: 3321.275 $\pm$ 0.566 χ^2 /NDF: 284334.2/22

+ sign 3221.754 $\pm$ 0.398 χ^2 /NDF: 410609.3/52

All: 3221.921 $\pm$ 0.282 χ^2 /NDF: 770215.6/106

- sign 3222.090 $\pm$ 0.401 χ^2 /NDF: 359606.0/53

diff_bpm0l01Y_mean vs Slug



Right In: 23.124 $\pm$ 0.446 χ^2 /NDF: 3960.0/27

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

Right Out: 3.463 $\pm$ 0.438 χ^2 /NDF: 922.6/30

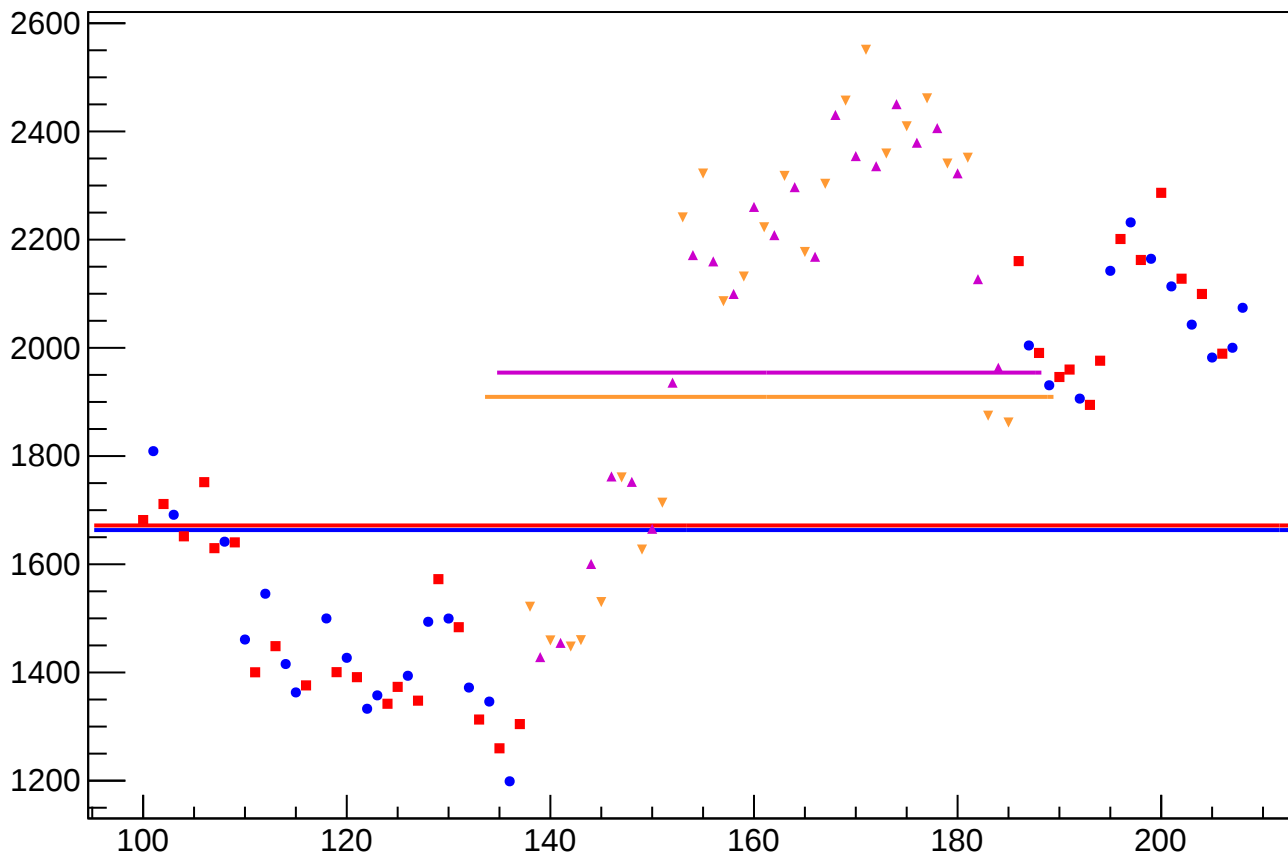
Left In: 8.905 $\pm$ 0.478 χ^2 /NDF:936.3/22

+ sign 17.304 $\pm$ 0.318 χ^2 /NDF: 5448.5/52

All: 11.703 $\pm$ 0.227 χ^2 /NDF: 8005.6/106

- sign 5.948 $\pm$ 0.323 χ^2 /NDF: 1929.5/53

diff_bpm0l01Y_rms vs Slug



Right In: 1663.198 $\pm$ 0.315 χ^2 /NDF: 1076865.8/27

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

Right Out: 1671.730 $\pm$ 0.310 χ^2 /NDF: 1076719.5/30

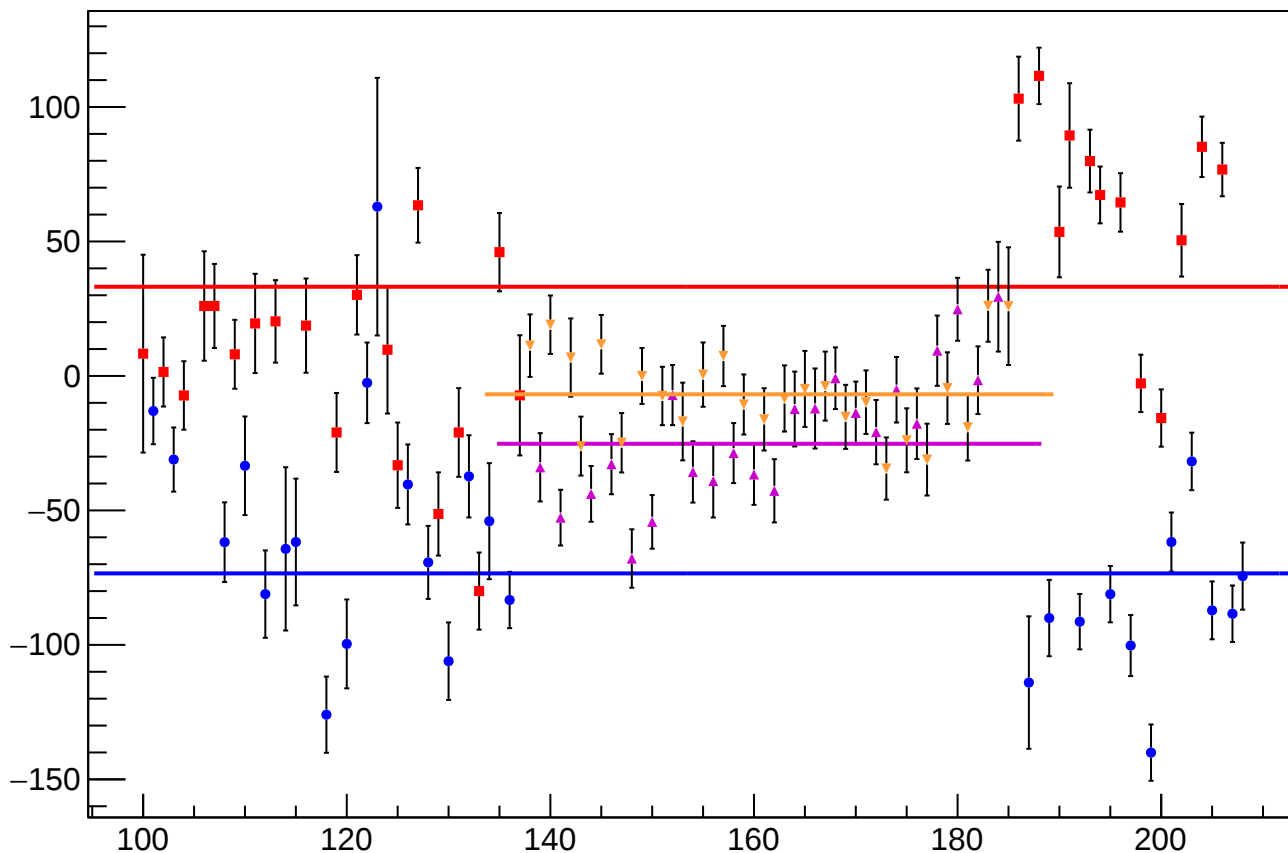
Left In: 1954.236 $\pm$ 0.338 χ^2 /NDF:1044826.7/22

+ sign 1784.044 $\pm$ 0.225 χ^2 /NDF: 2774311.5/52

All: 1792.270 $\pm$ 0.160 χ^2 /NDF: 5278949.3/10

- sign 1800.722 $\pm$ 0.228 χ^2 /NDF: 2501929.9/53

diff_bpm0l02X_mean vs Slug



Right In: -73.418 ± 2.541 $\chi^2/\text{NDF}: 180.4/27$

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

Right Out: 33.164 ± 2.493 $\chi^2/\text{NDF}: 361.8/30$

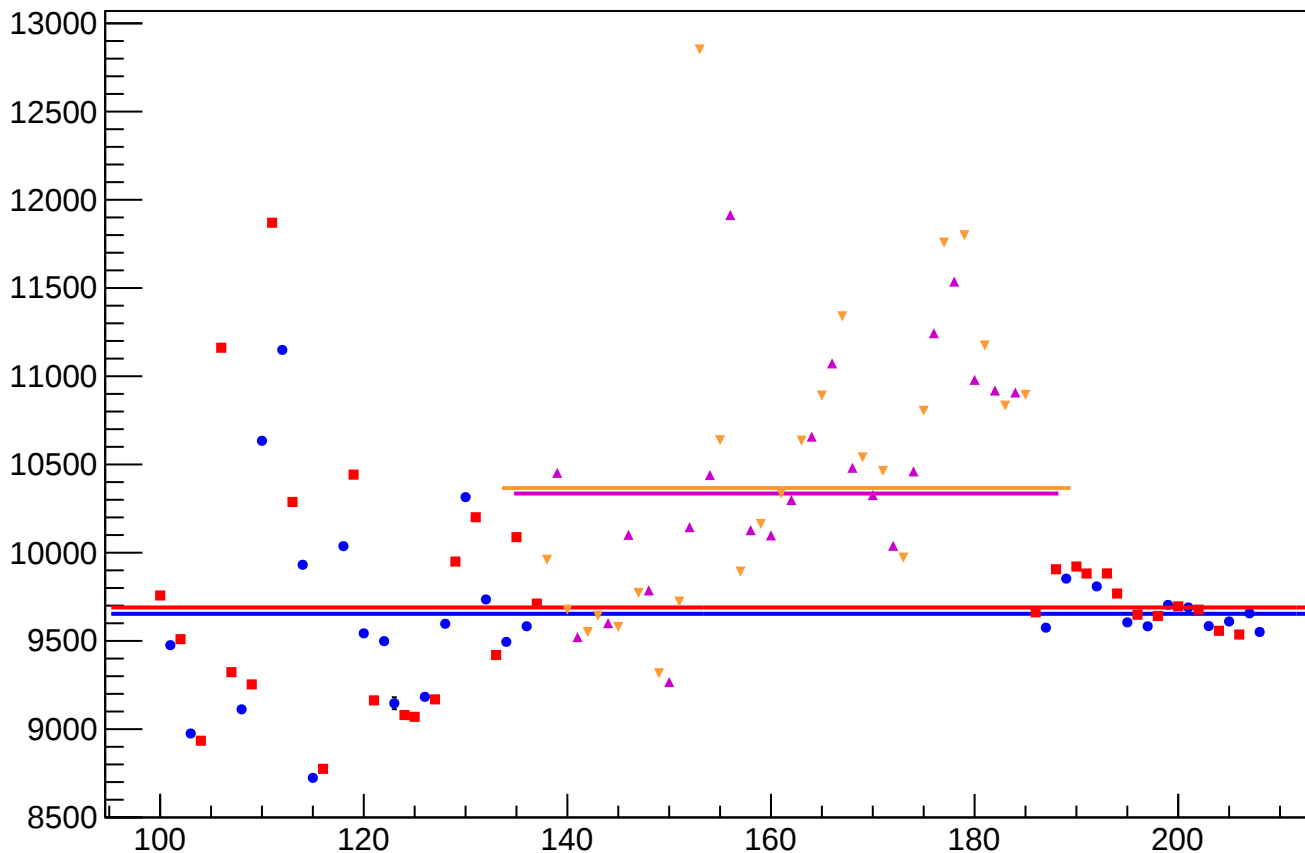
Left In: -25.215 ± 2.487 $\chi^2/\text{NDF}: 89.3/22$

+ sign -38.531 ± 1.753 $\chi^2/\text{NDF}: 582.5/52$

All: -17.402 ± 1.242 $\chi^2/\text{NDF}: 1600.1/106$

- sign 3.899 ± 1.761 $\chi^2/\text{NDF}: 726.0/53$

diff_bpm0l02X_rms vs Slug



Right In: 9653.626+/-1.797 χ^2/NDF : 45316.6/27

Left Out: 10366.534+/-1.713 χ^2/NDF : 211402.8/24

Right Out: 9689.624+/-1.763 χ^2/NDF : 80341.1/30

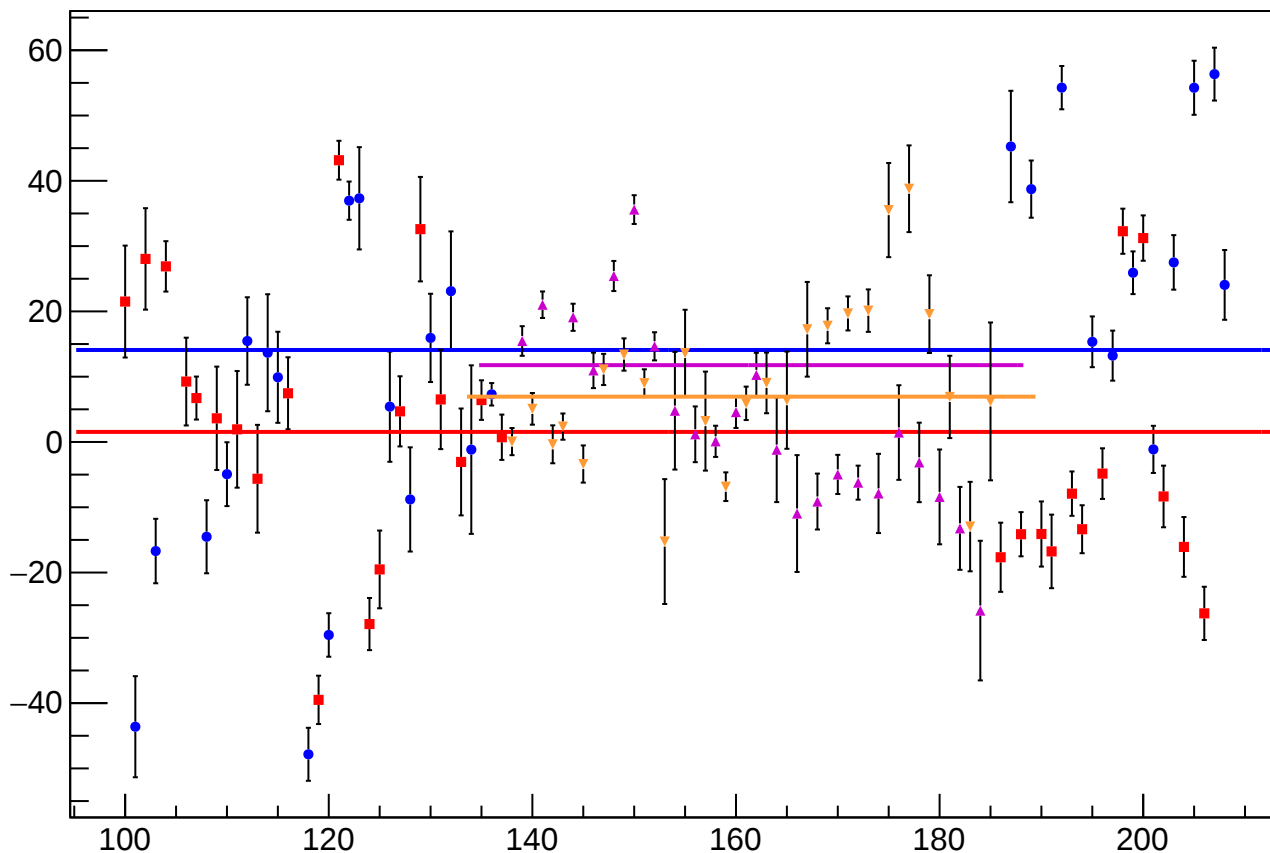
Left In: 10335.399+/-1.758 χ^2/NDF : 127173.0/22

+ sign 10027.105+/-1.240 χ^2/NDF : 339184.9/52

All: 10020.254+/-0.878 χ^2/NDF : 614030.9/10

- sign 10013.348+/-1.245 χ^2/NDF : 274784.7/53

diff_bpm0l02Y_mean vs Slug



Right In: 14.090 $\pm$ 0.803 χ^2 /NDF: 1077.3/27

Left Out: 6.939 $\pm$ 0.639 χ^2 /NDF:203.8/24

Right Out: 1.540 $\pm$ 0.796 χ^2 /NDF: 769.5/30

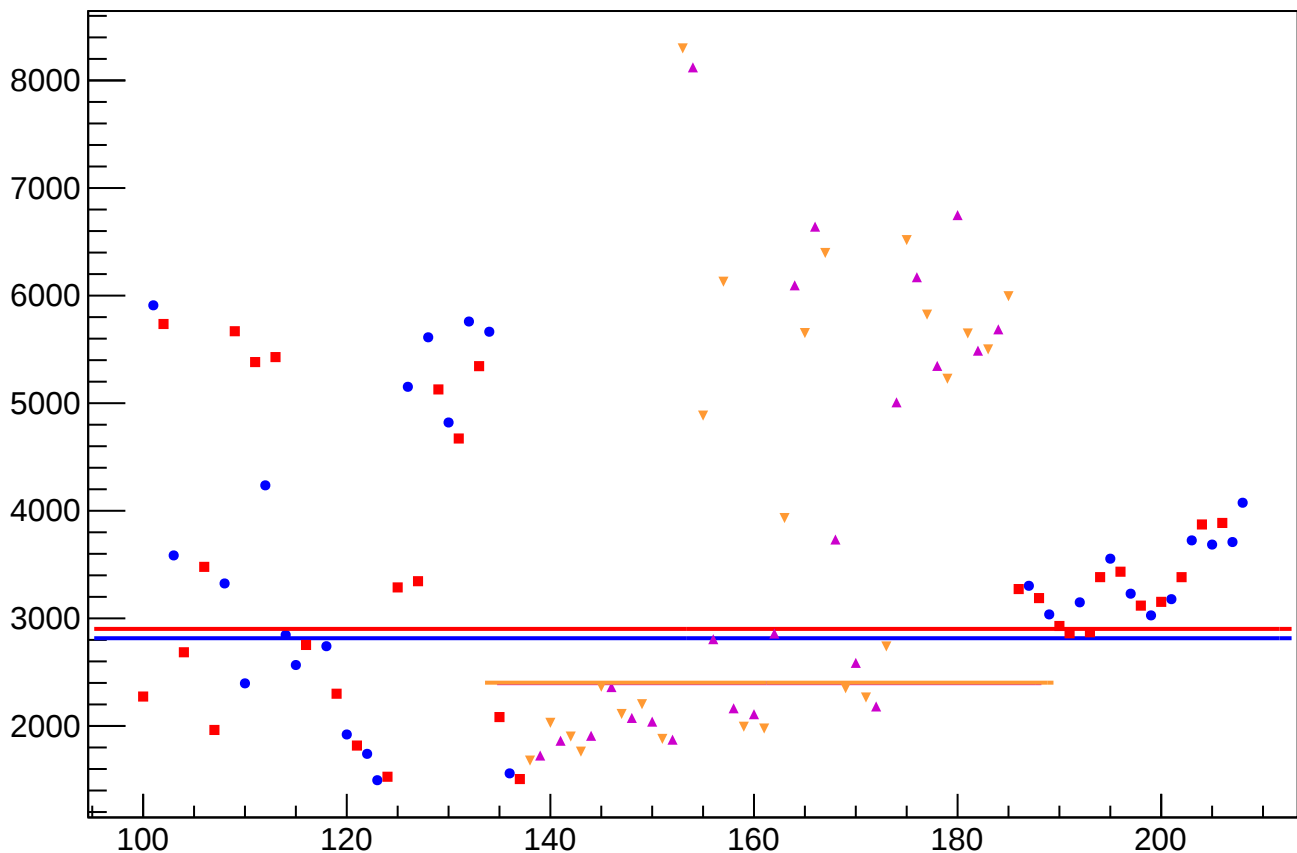
Left In: 11.766 $\pm$ 0.648 χ^2 /NDF:395.1/22

+ sign 9.710 $\pm$ 0.500 χ^2 /NDF: 1329.7/52

All: 8.703 $\pm$ 0.354 χ^2 /NDF: 2601.8/106

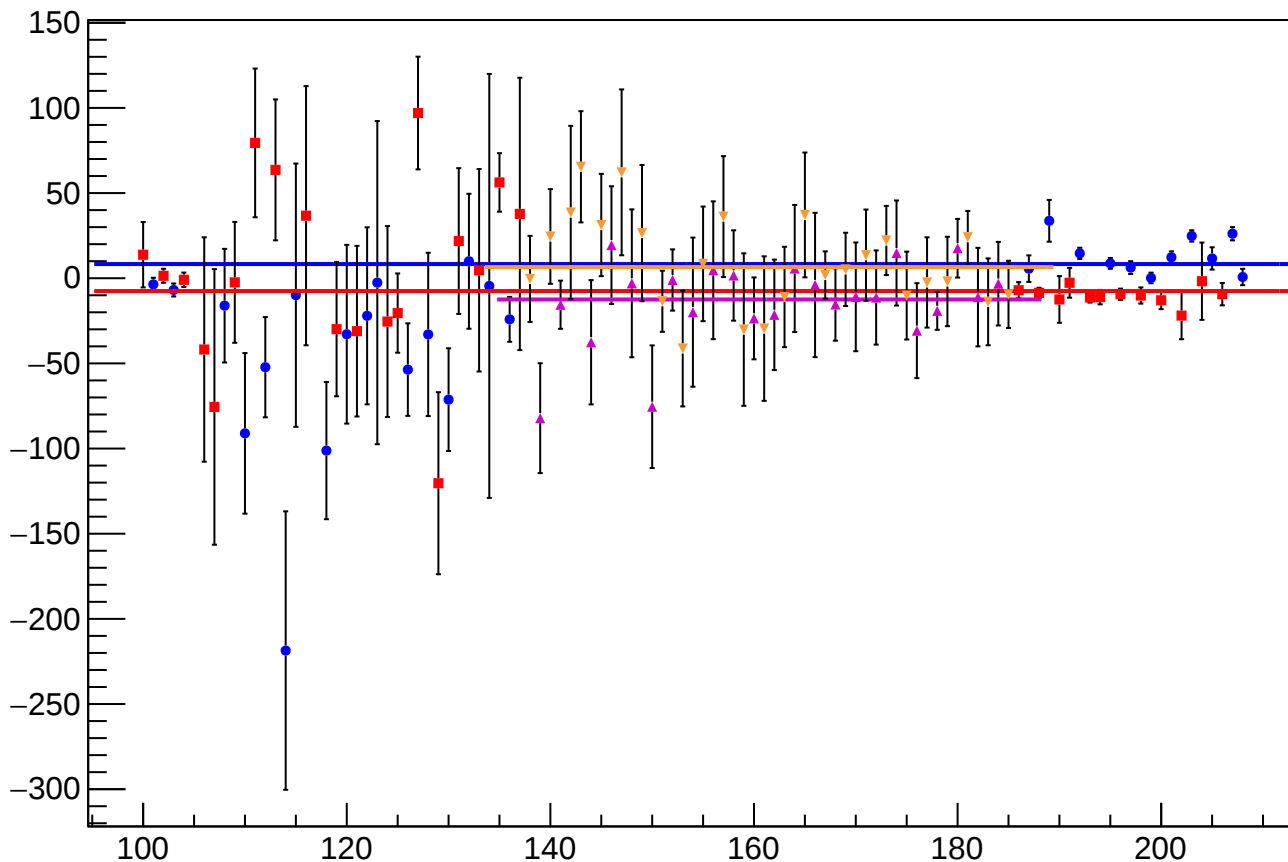
- sign 7.685 $\pm$ 0.503 χ^2 /NDF: 1263.9/53

diff_bpm0l02Y_rms vs Slug



Right In: 2815.475+/-0.568	χ^2/NDF : 3456751.0/27	+ sign 2562.461+/-0.353	χ^2/NDF : 10126951.5/52
Left Out: 2402.359+/-0.452	χ^2/NDF : 6345982.8/24	All: 2580.651+/-0.251	χ^2/NDF : 18892310.0/1
Right Out: 2902.181+/-0.563	χ^2/NDF : 2877857.4/30	- sign 2599.039+/-0.355	χ^2/NDF : 8760033.1/53
Left In: 2397.701+/-0.458	χ^2/NDF : 5398920.1/22		

diff_bpm0l03X_mean vs Slug



Right In: 8.325 ± 1.089 χ^2/NDF : 134.3/27

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

Right Out: -7.523 ± 1.217 χ^2/NDF : 52.5/30

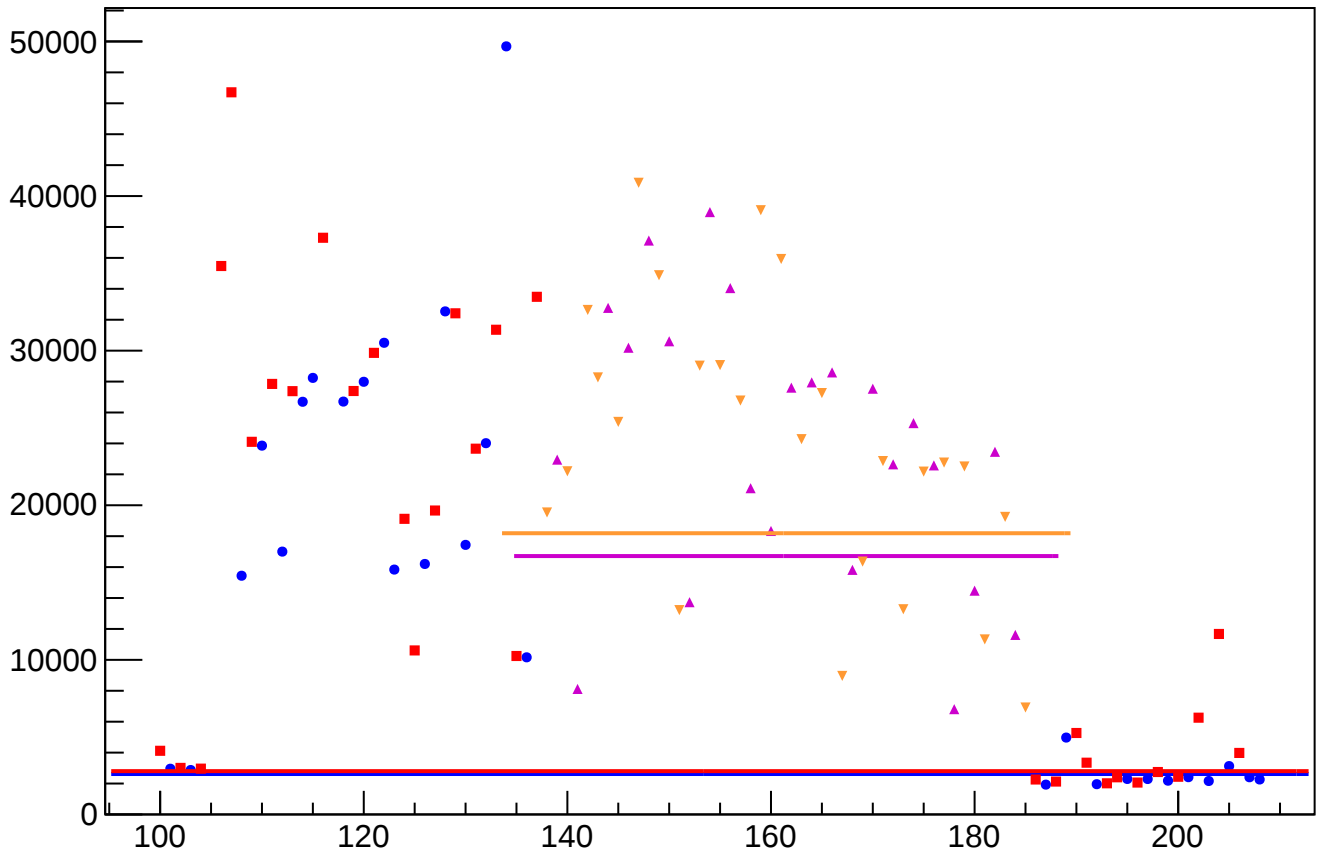
Left In: -12.469 ± 5.025 χ^2/NDF : 15.4/22

+ sign 8.247 ± 1.065 χ^2/NDF : 151.2/52

All: 1.064 ± 0.791 χ^2/NDF : 321.6/106

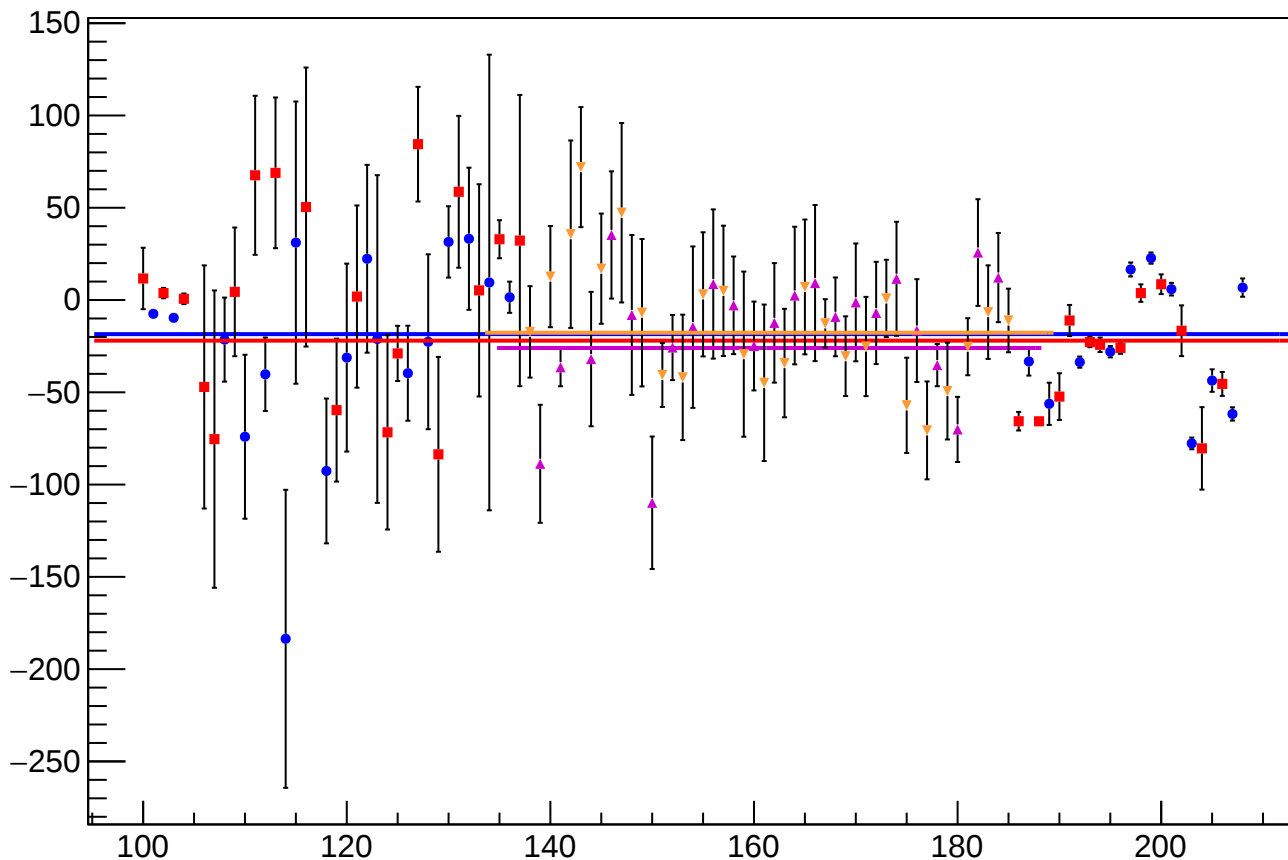
- sign -7.797 ± 1.183 χ^2/NDF : 68.8/53

diff_bpm0l03X_rms vs Slug



Right In: 2615.933+/-0.770	χ^2/NDF : 6997786.7/27	+ sign 3301.092+/-0.753	χ^2/NDF : 30249031.7/52
Left Out: 18190.387+/-3.590	χ^2/NDF : 5261328.5/24	All: 3422.574+/-0.560	χ^2/NDF : 60034746.8/1
Right Out: 2801.746+/-0.861	χ^2/NDF : 9054611.8/30	- sign 3572.423+/-0.836	χ^2/NDF : 29727588.1/53
Left In: 16713.653+/-3.553	χ^2/NDF : 6194178.8/22		

diff_bpm0l03Y_mean vs Slug



Right In: -18.478 ± 0.969 χ^2/NDF : 963.4/27

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

Right Out: -22.005 ± 1.071 χ^2/NDF : 638.8/30

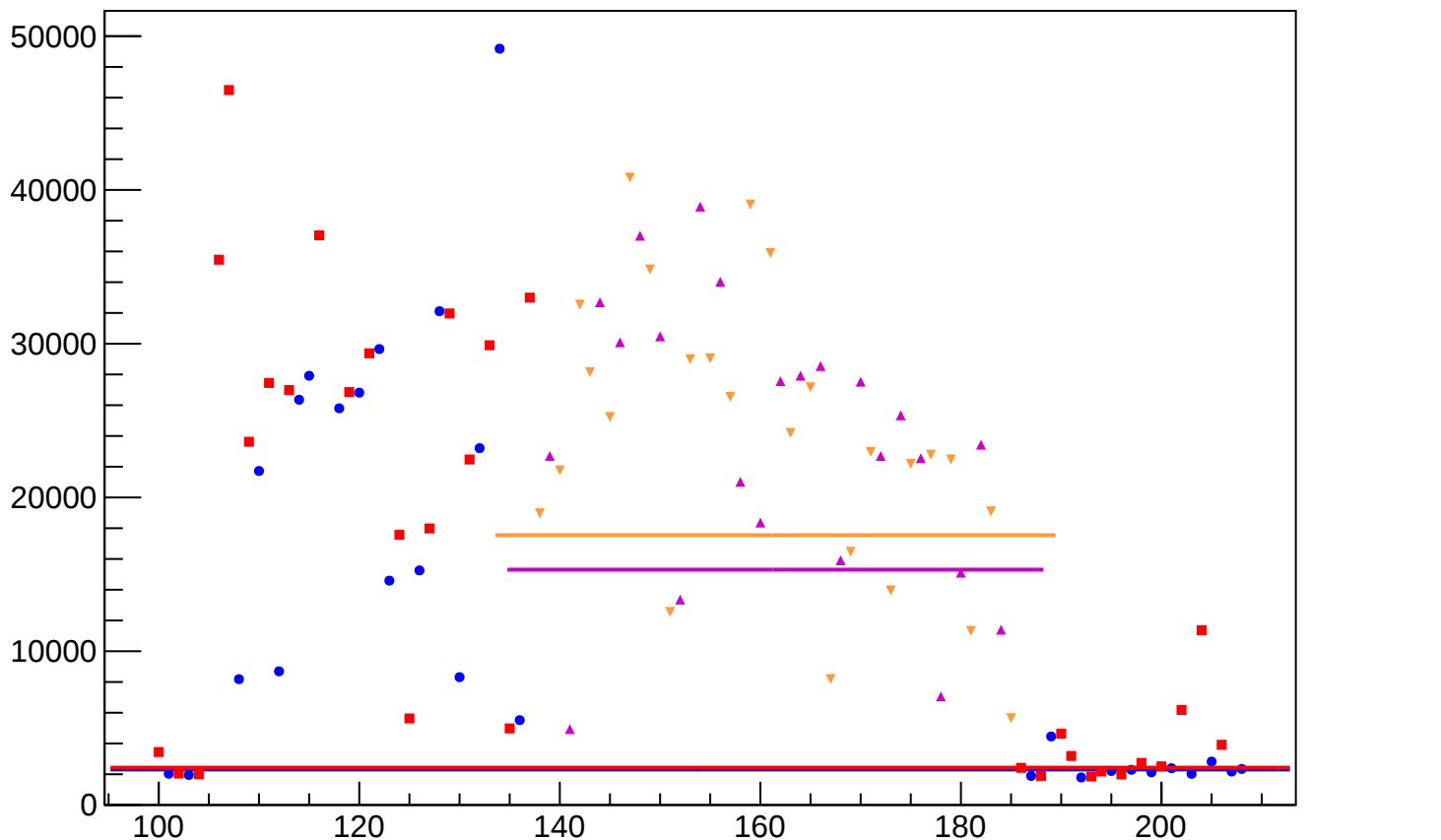
Left In: -25.991 ± 4.789 χ^2/NDF : 32.6/22

+ sign -18.450 ± 0.951 χ^2/NDF : 990.6/52

All: -20.148 ± 0.703 χ^2/NDF : 1669.7/106

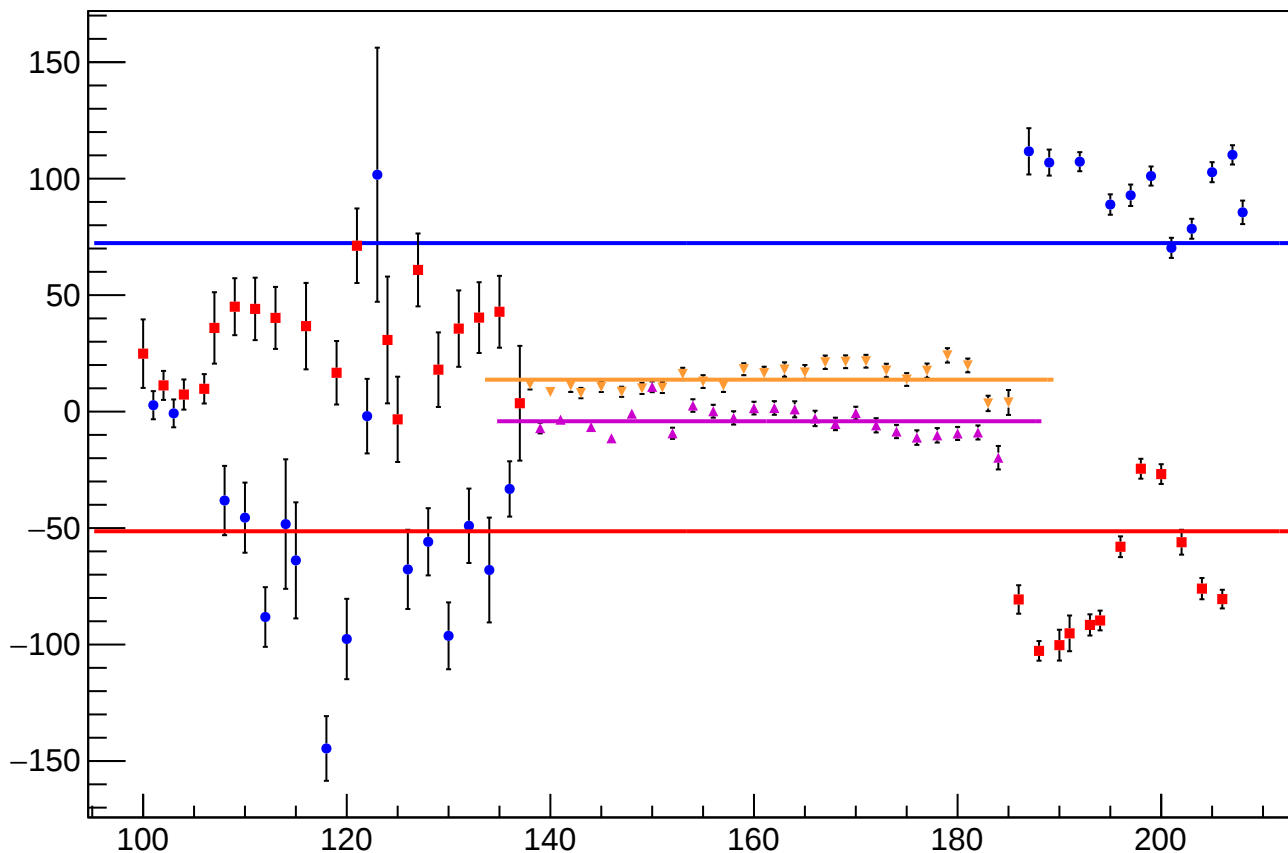
- sign -22.194 ± 1.045 χ^2/NDF : 672.1/53

diff_bpm0l03Y_rms vs Slug



Right In: 2314.517+/-0.685	χ^2/NDF : 5812391.2/27	+ sign 2871.793+/-0.673	χ^2/NDF : 29781988.9/52
Left Out: 17546.173+/-3.517	χ^2/NDF : 5902620.4/24	All: 2947.903+/-0.497	χ^2/NDF : 60054501.6/1
Right Out: 2426.685+/-0.757	χ^2/NDF : 8747159.2/30	- sign 3039.677+/-0.739	χ^2/NDF : 30244282.8/53
Left In: 15305.311+/-3.386	χ^2/NDF : 7721177.0/22		

diff_bpm0l04X_mean vs Slug



Right In: 72.333 ± 1.258 $\chi^2/\text{NDF}: 1781.2/27$

Left Out: 13.710 ± 0.535 $\chi^2/\text{NDF}: 89.9/24$

Right Out: -51.366 ± 1.219 $\chi^2/\text{NDF}: 1372.3/30$

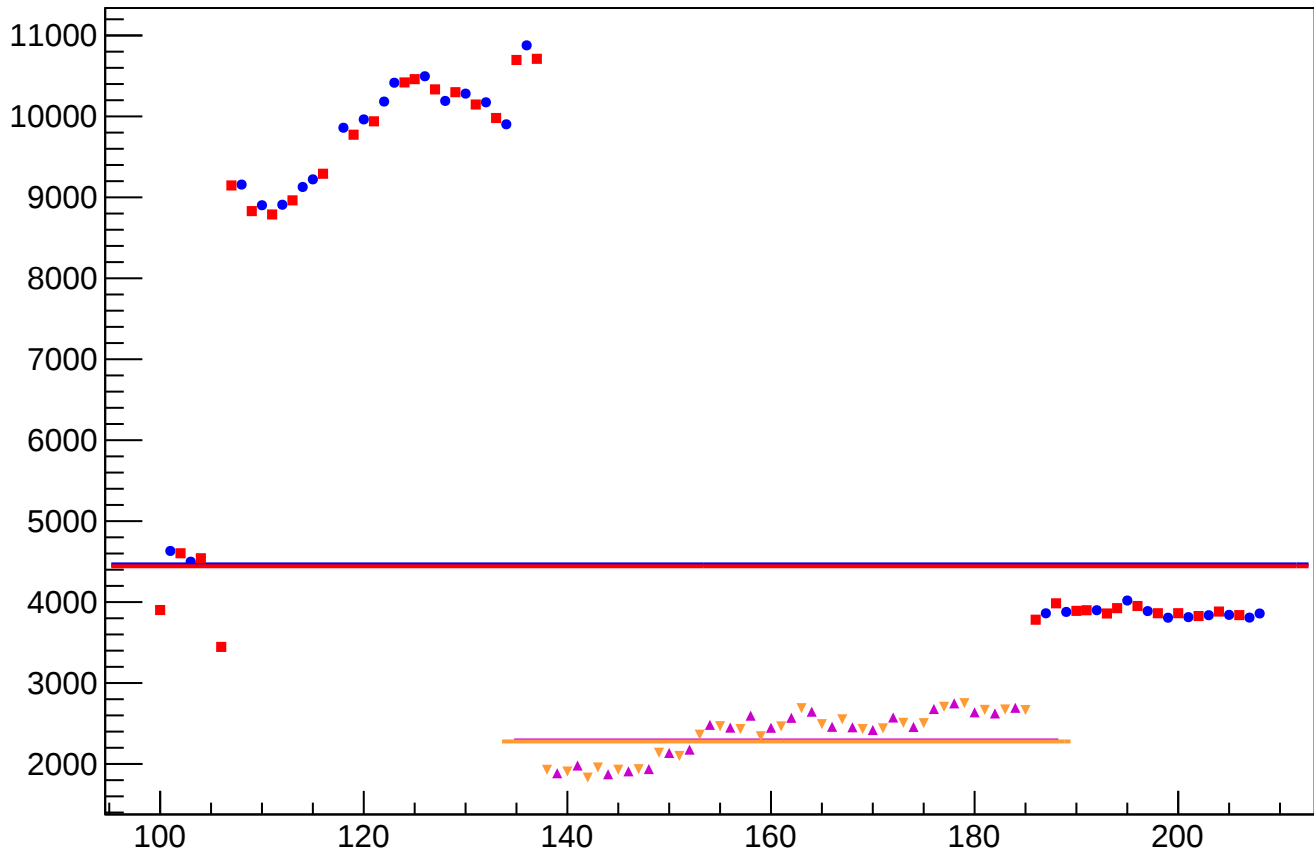
Left In: -4.141 ± 0.555 $\chi^2/\text{NDF}: 111.7/22$

+ sign 22.701 ± 0.492 $\chi^2/\text{NDF}: 3710.9/52$

All: 5.664 ± 0.353 $\chi^2/\text{NDF}: 8892.9/106$

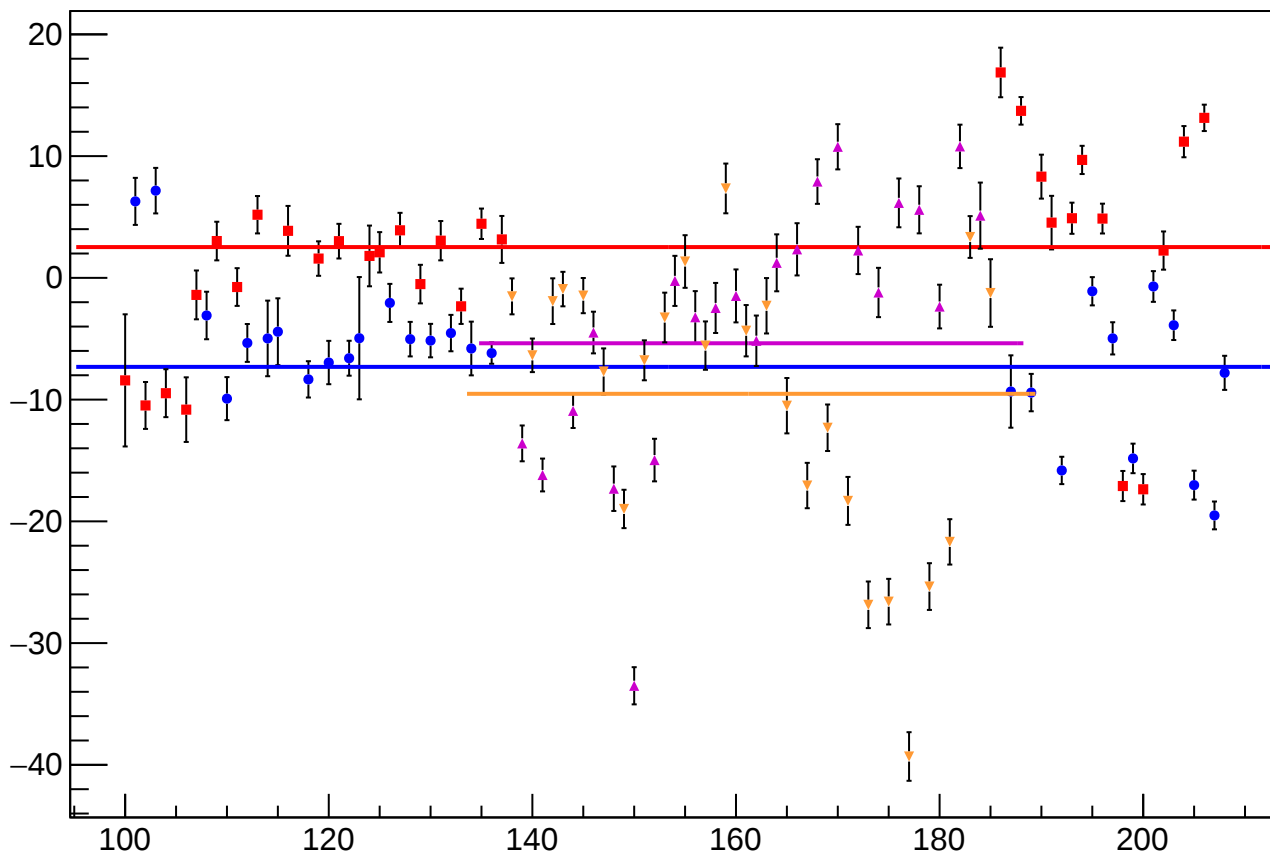
- sign -12.245 ± 0.505 $\chi^2/\text{NDF}: 2727.5/53$

diff_bpm0l04X_rms vs Slug



Right In: 4465.482 $\pm$ 0.889 χ^2 /NDF: 3760371.5/27 + sign 2613.588 $\pm$ 0.348 χ^2 /NDF: 9490135.5/52
 Left Out: 2278.115 $\pm$ 0.378 χ^2 /NDF: 607109.4/24 All: 2636.110 $\pm$ 0.249 χ^2 /NDF: 19037669.1/100
 Right Out: 4442.482 $\pm$ 0.862 χ^2 /NDF: 3784403.4/30 - sign 2659.785 $\pm$ 0.357 χ^2 /NDF: 9538954.5/53
 Left In: 2290.461 $\pm$ 0.392 χ^2 /NDF: 590272.1/22

diff_bpm0l04Y_mean vs Slug



Right In: -7.311 ± 0.277 $\chi^2/\text{NDF}: 488.6/27$

Left Out: -9.524 ± 0.365 $\chi^2/\text{NDF}: 884.1/24$

Right Out: 2.528 ± 0.274 $\chi^2/\text{NDF}: 993.8/30$

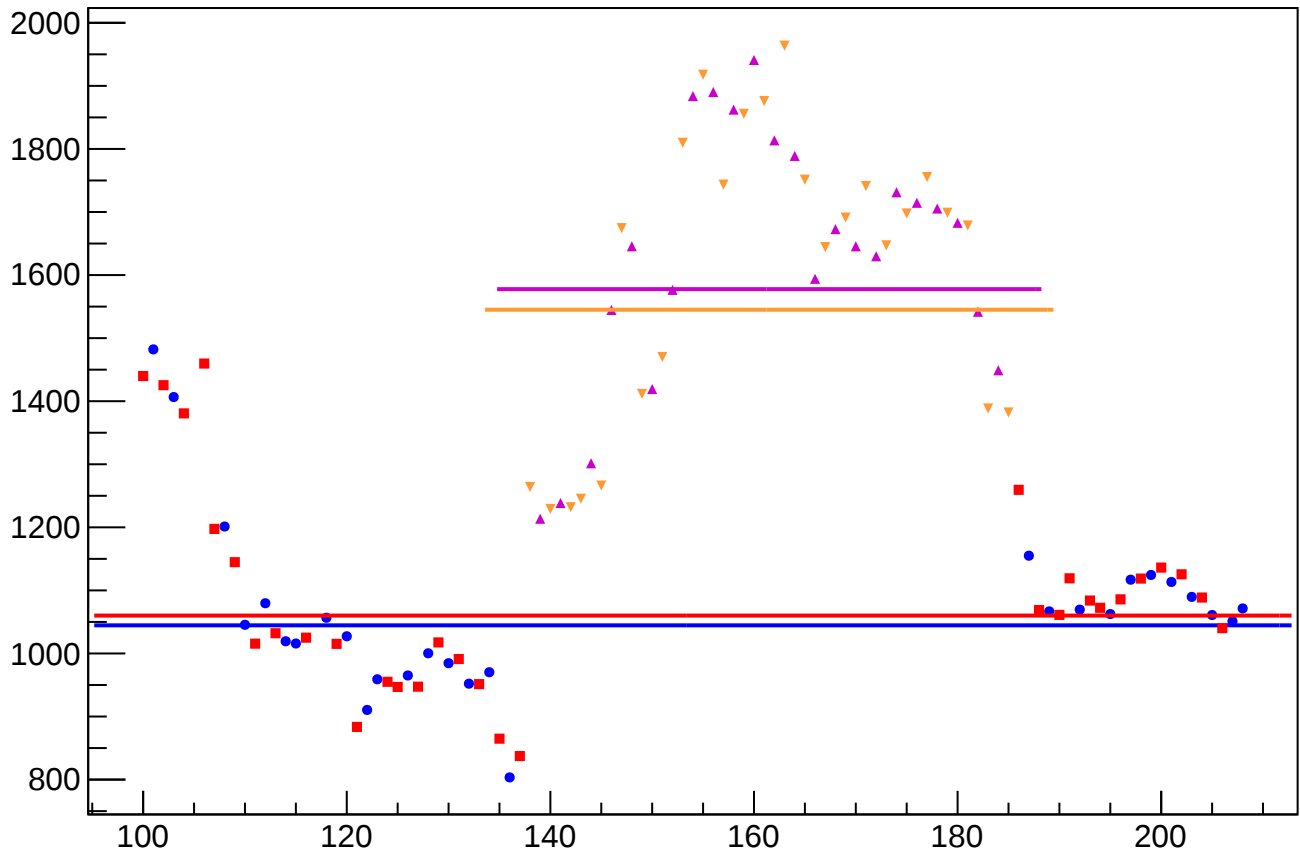
Left In: -5.372 ± 0.383 $\chi^2/\text{NDF}: 869.8/22$

+ sign -8.119 ± 0.220 $\chi^2/\text{NDF}: 1396.1/52$

All: -4.177 ± 0.157 $\chi^2/\text{NDF}: 4188.2/106$

- sign -0.147 ± 0.223 $\chi^2/\text{NDF}: 2145.2/53$

diff_bpm0l04Y_rms vs Slug



Right In: 1044.595 $\pm$ 0.196 χ^2 /NDF: 411128.4/27

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

Right Out: 1060.065 $\pm$ 0.194 χ^2 /NDF: 387613.2/30

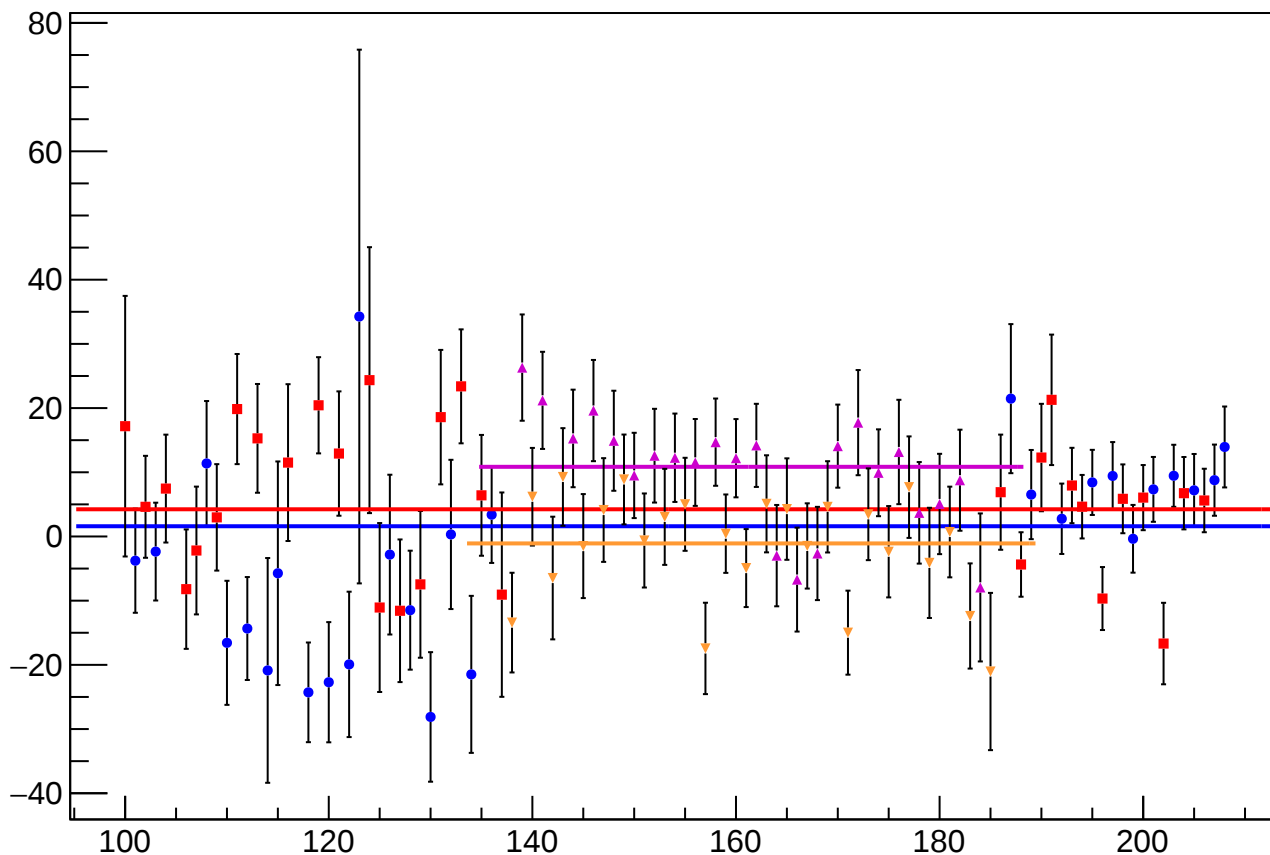
Left In: 1577.685 $\pm$ 0.271 χ^2 /NDF: 625406.2/22

+ sign 1227.247 $\pm$ 0.156 χ^2 /NDF: 3644459.0/52

All: 1231.261 $\pm$ 0.111 χ^2 /NDF: 7075935.9/10

- sign 1235.366 $\pm$ 0.158 χ^2 /NDF: 3430134.8/53

diff_bpm0l05X_mean vs Slug



Right In: 1.593 ± 1.394 $\chi^2/\text{NDF}: 65.6/27$

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

Right Out: 4.236 ± 1.348 $\chi^2/\text{NDF}: 52.8/30$

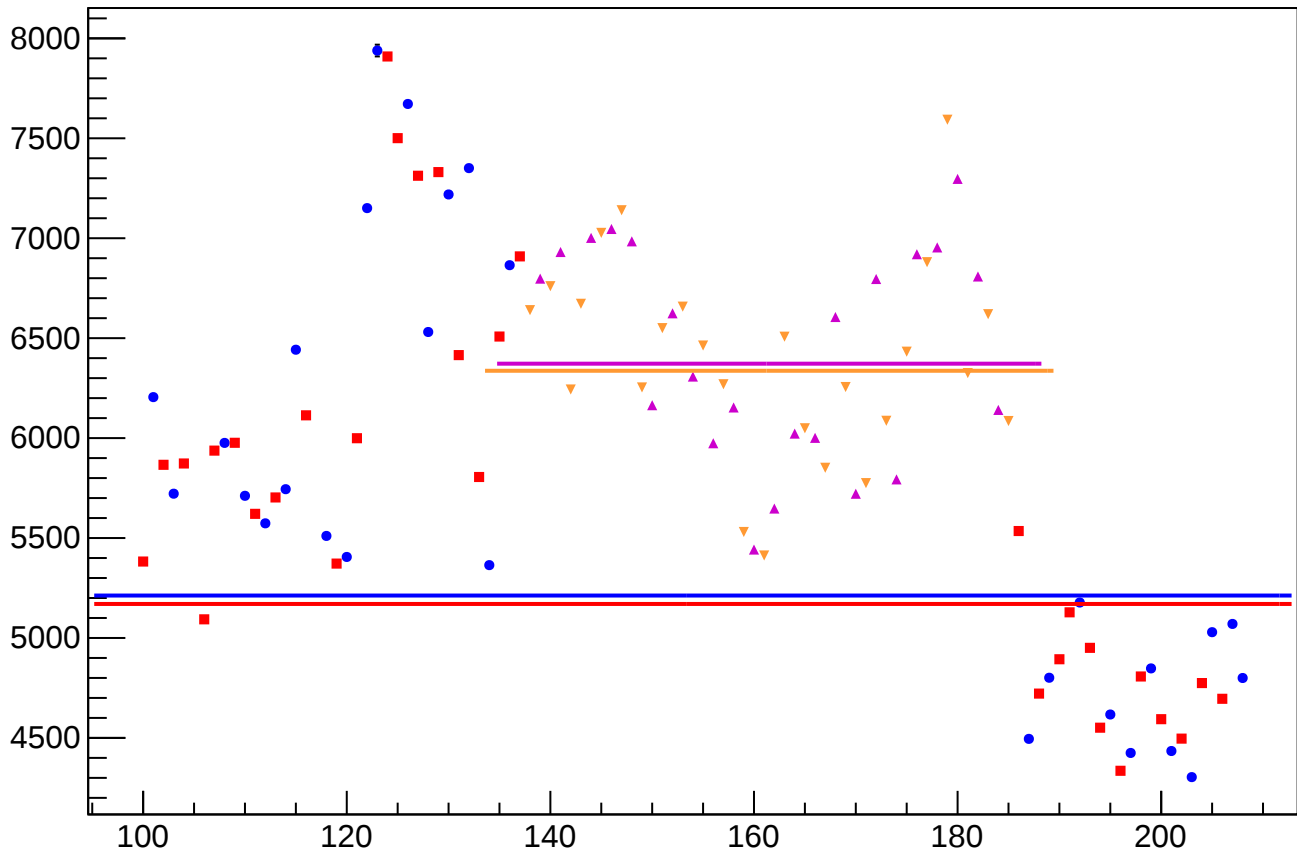
Left In: 10.851 ± 1.542 $\chi^2/\text{NDF}: 24.4/22$

+ sign 0.342 ± 1.017 $\chi^2/\text{NDF}: 94.8/52$

All: 3.729 ± 0.718 $\chi^2/\text{NDF}: 204.6/106$

- sign 7.102 ± 1.015 $\chi^2/\text{NDF}: 87.6/53$

diff_bpm0l05X_rms vs Slug



Right In: 5212.298+/-0.985 χ^2/NDF : 732386.4/27

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

Right Out: 5170.157+/-0.953 χ^2/NDF : 647669.0/30

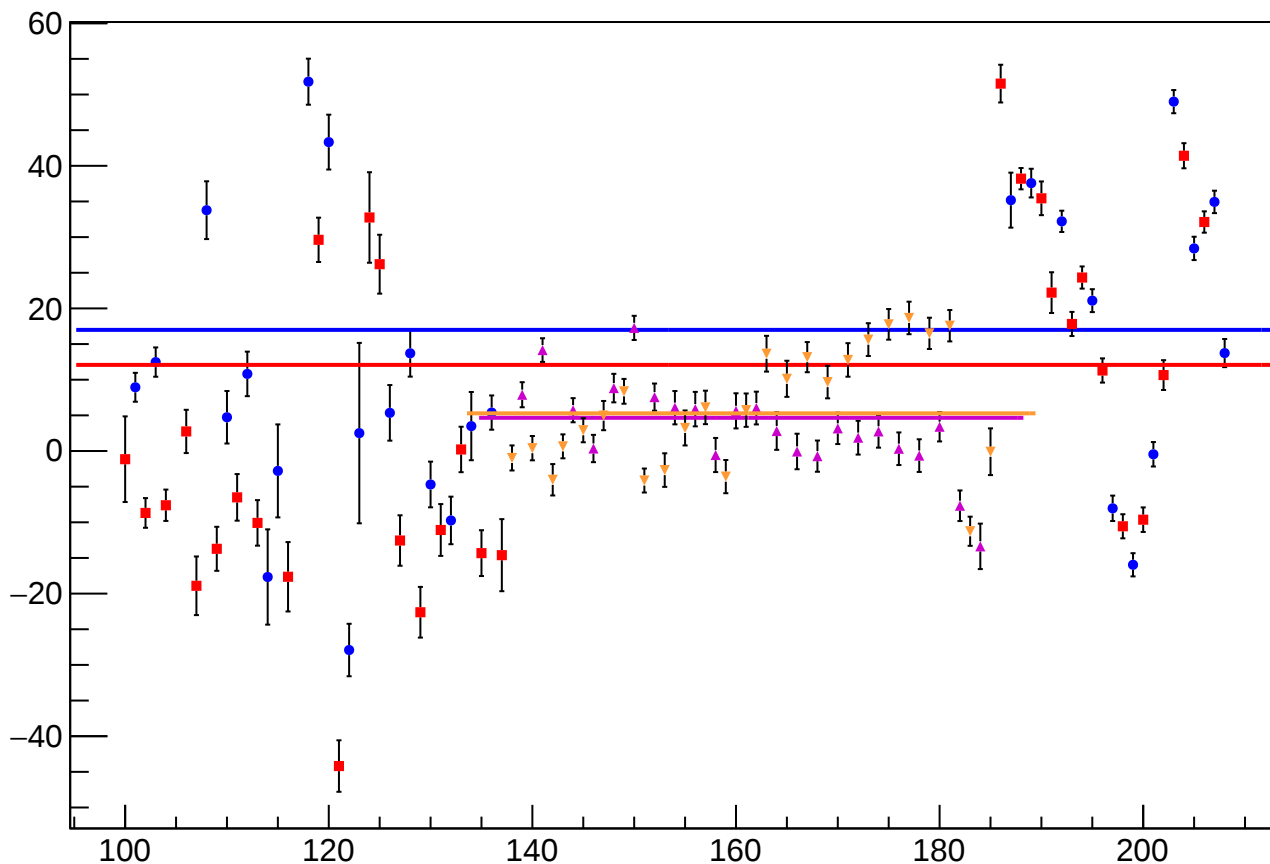
Left In: 6372.349+/-1.090 χ^2/NDF : 247257.0/22

+ sign 5738.084+/-0.719 χ^2/NDF : 1564253.0/52

All: 5714.469+/-0.508 χ^2/NDF : 3150678.8/10

- sign 5690.956+/-0.717 χ^2/NDF : 1584273.3/53

diff_bpm0l05Y_mean vs Slug



Right In: 16.990 $\pm$ 0.440 χ^2 /NDF: 2070.8/27

Left Out: 5.284 $\pm$ 0.421 χ^2 /NDF:366.1/24

Right Out: 12.079 $\pm$ 0.431 χ^2 /NDF: 2535.6/30

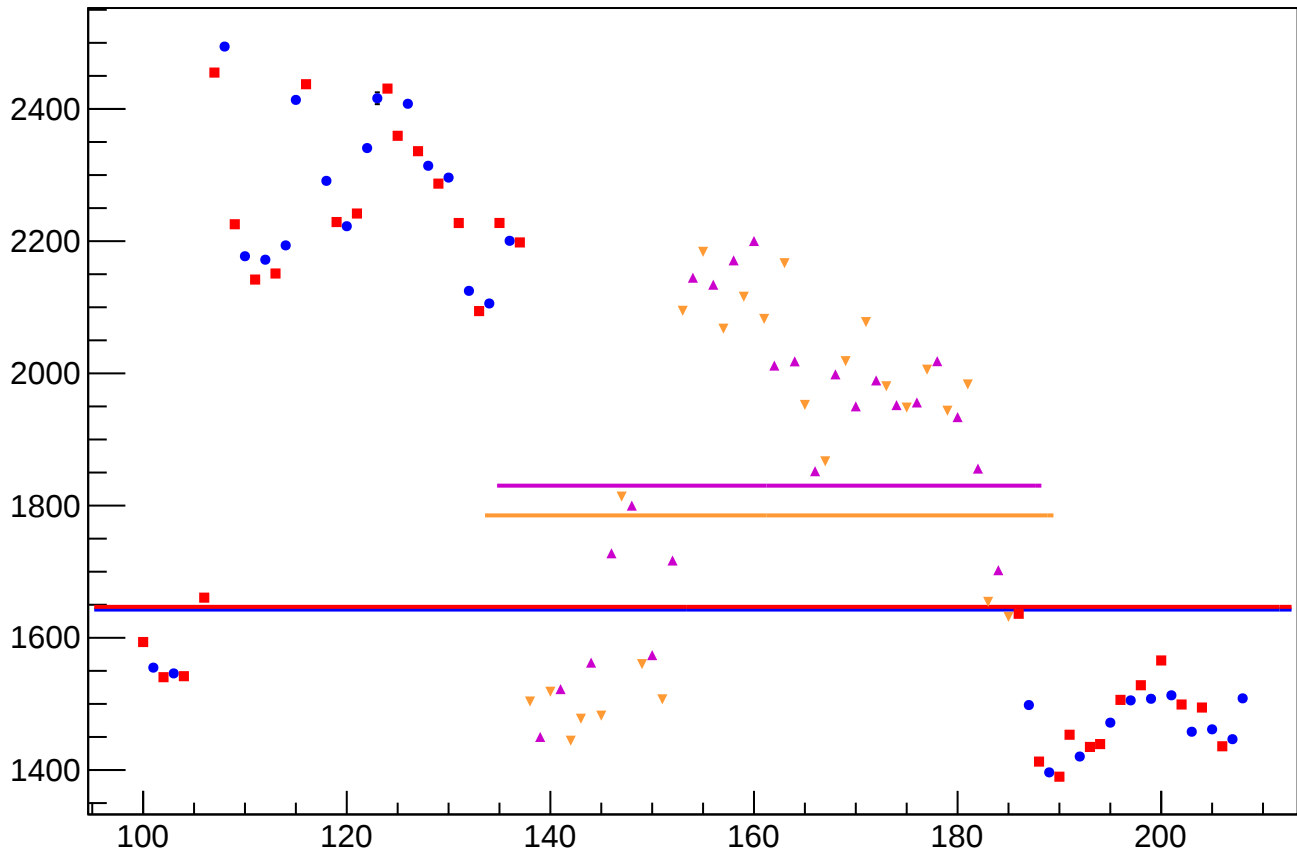
Left In: 4.657 $\pm$ 0.443 χ^2 /NDF:196.5/22

+ sign 10.875 $\pm$ 0.304 χ^2 /NDF: 2806.6/52

All: 9.695 $\pm$ 0.217 χ^2 /NDF: 5713.6/106

- sign 8.475 $\pm$ 0.309 χ^2 /NDF: 2876.3/53

diff_bpm0l05Y_rms vs Slug



Right In: 1642.714+/-0.311 χ^2/NDF : 1083449.2/27

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

Right Out: 1646.840+/-0.305 χ^2/NDF : 1082353.5/30

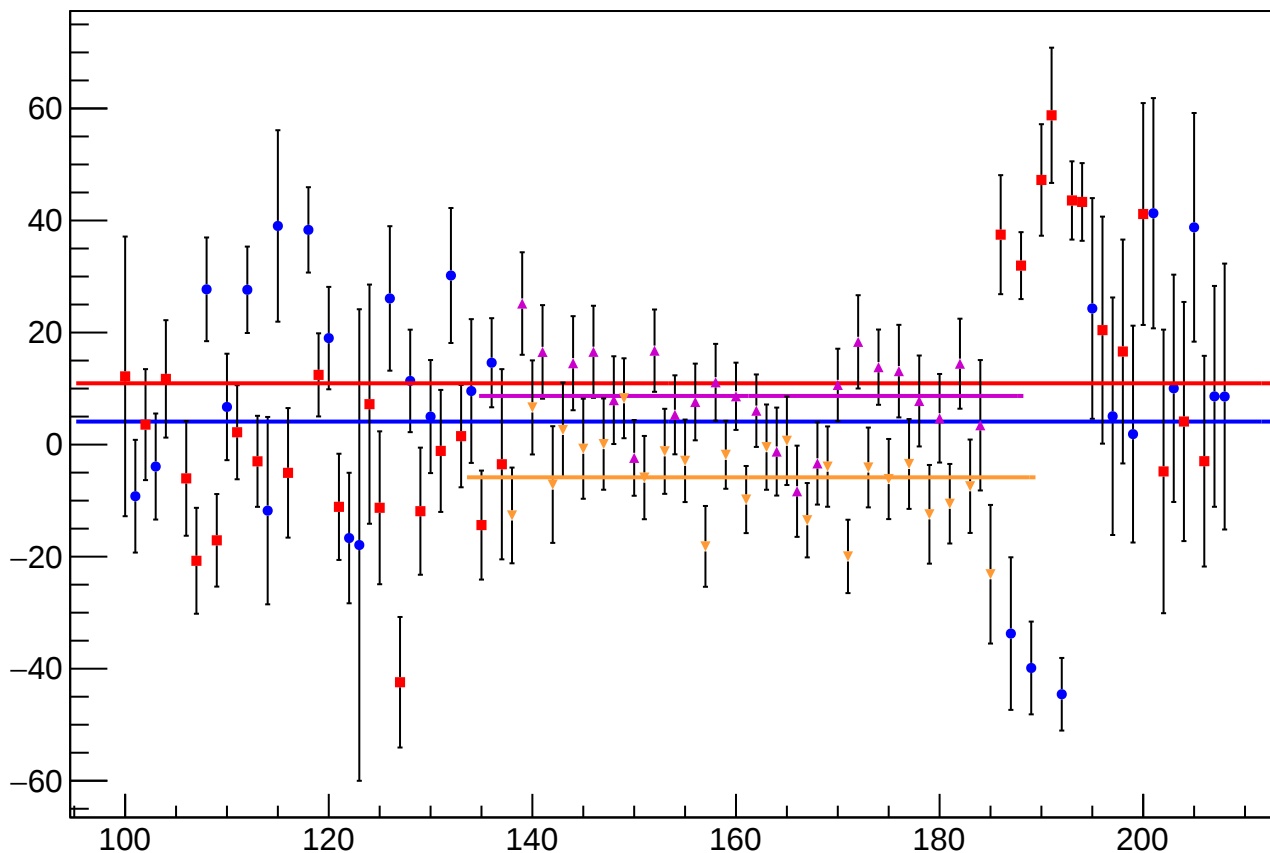
Left In: 1830.160+/-0.313 χ^2/NDF : 508391.9/22

+ sign 1717.131+/-0.215 χ^2/NDF : 1943635.8/52

All: 1726.344+/-0.153 χ^2/NDF : 3714028.8/10

- sign 1735.856+/-0.218 χ^2/NDF : 1766660.2/53

diff_bpm0l06X_mean vs Slug



Right In: 4.110 ± 2.112 χ^2/NDF : 159.6/27

Left Out: -5.840 ± 1.518 χ^2/NDF : 23.3/24

Right Out: 10.942 ± 1.861 χ^2/NDF : 169.8/30

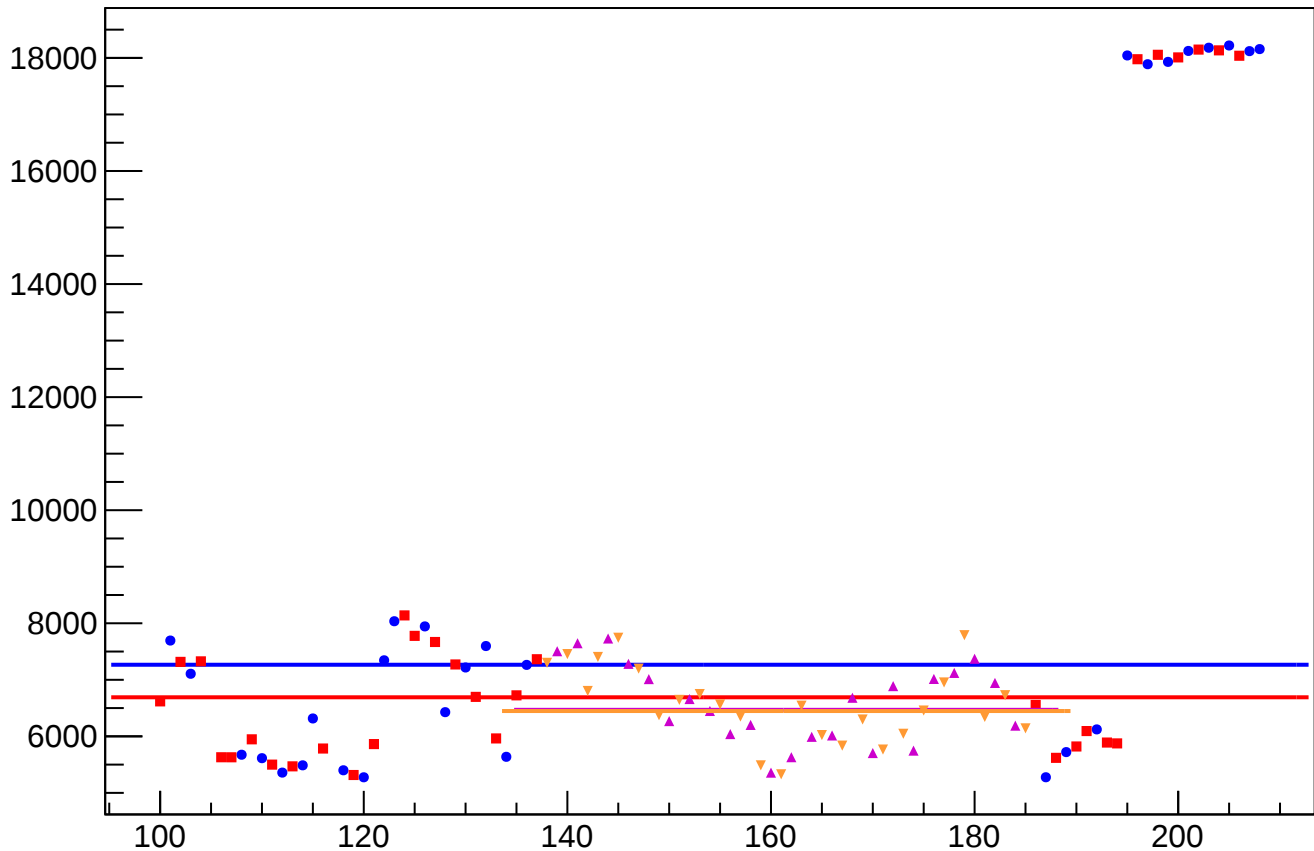
Left In: 8.683 ± 1.571 χ^2/NDF : 21.9/22

+ sign -2.451 ± 1.233 χ^2/NDF : 197.6/52

All: 3.748 ± 0.860 χ^2/NDF : 439.4/106

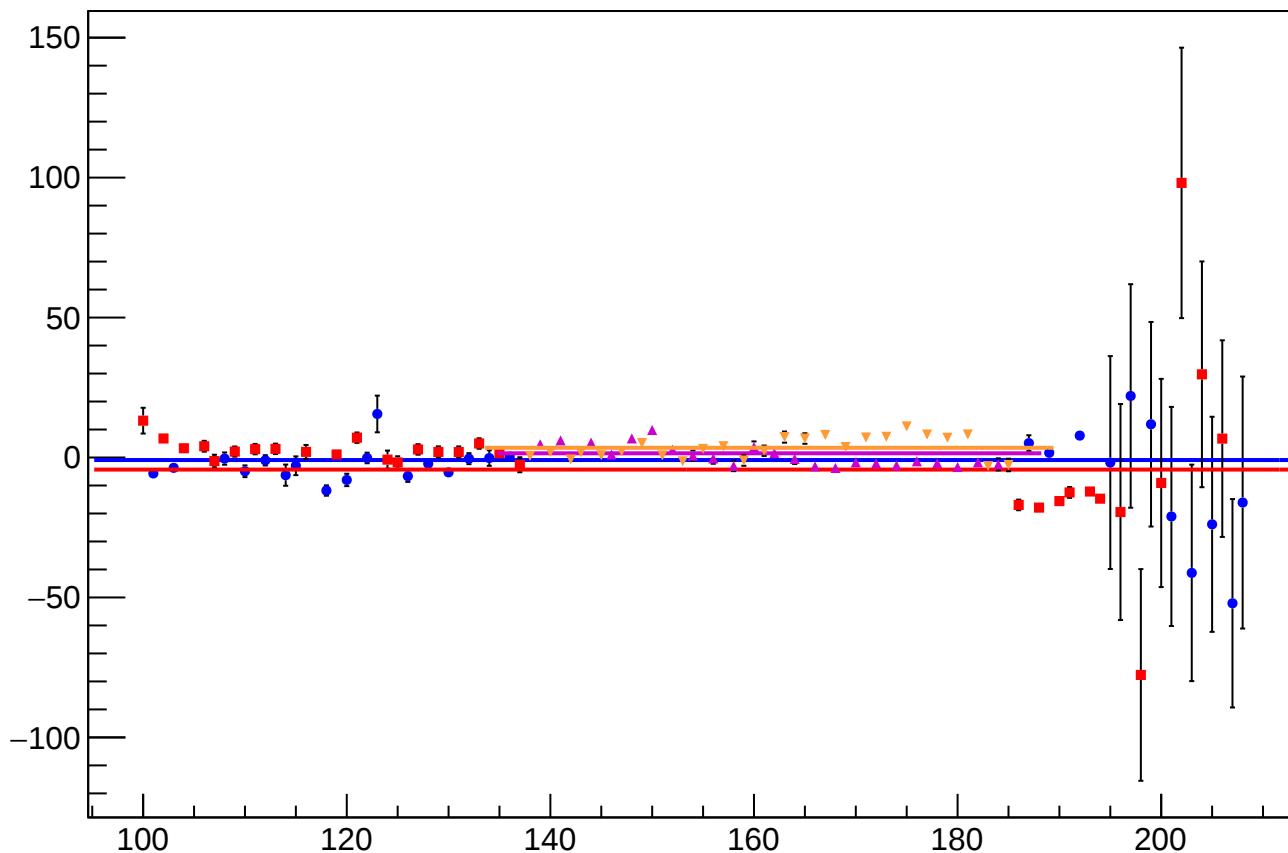
- sign 9.623 ± 1.200 χ^2/NDF : 192.6/53

diff_bpm0l06X_rms vs Slug



Right In: 7266.349+/-1.494	χ^2/NDF : 5170580.3/27	+ sign 6726.595+/-0.872	χ^2/NDF : 5740326.0/52
Left Out: 6447.712+/-1.074	χ^2/NDF : 371671.1/24	All: 6641.674+/-0.608	χ^2/NDF : 10248547.7/1
Right Out: 6690.737+/-1.316	χ^2/NDF : 4089814.0/30	- sign 6561.189+/-0.849	χ^2/NDF : 4489738.5/53
Left In: 6468.902+/-1.111	χ^2/NDF : 383325.4/22		

diff_bpm0l06Y_mean vs Slug



Right In: -0.903 ± 0.406 χ^2/NDF : 175.5/27

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

Right Out: -4.313 ± 0.355 χ^2/NDF : 671.3/30

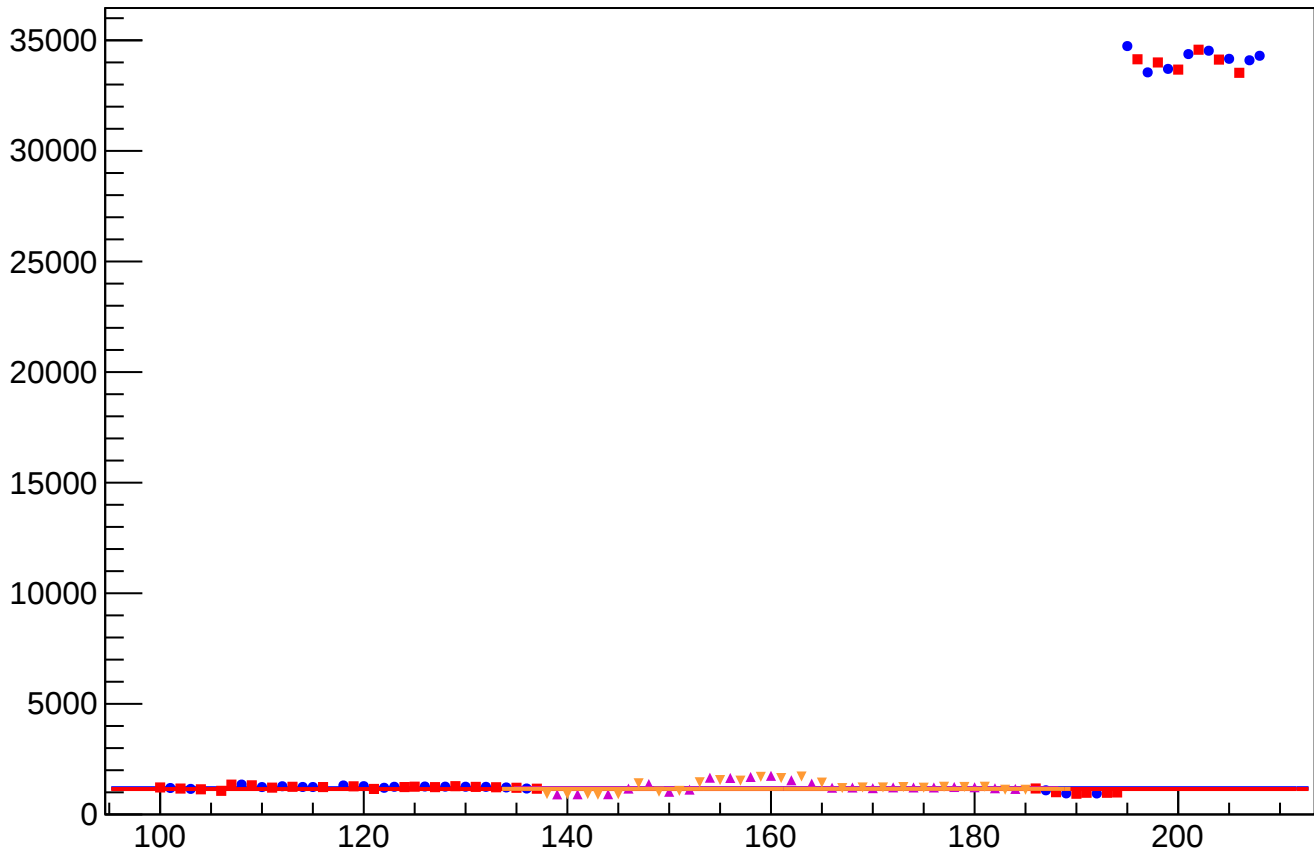
Left In: 1.502 ± 0.291 χ^2/NDF : 202.7/22

+ sign 2.084 ± 0.228 χ^2/NDF : 430.8/52

All: 0.601 ± 0.160 χ^2/NDF : 1548.7/106

- sign -0.835 ± 0.225 χ^2/NDF : 1034.9/53

diff_bpm0l06Y_rms vs Slug



Right In: 1187.720+/-0.287 χ^2/NDF : 11716655.3/27

Left Out: 1158.894+/-0.195 χ^2/NDF : 1410423.6/24

Right Out: 1148.790+/-0.251 χ^2/NDF : 8740316.5/30

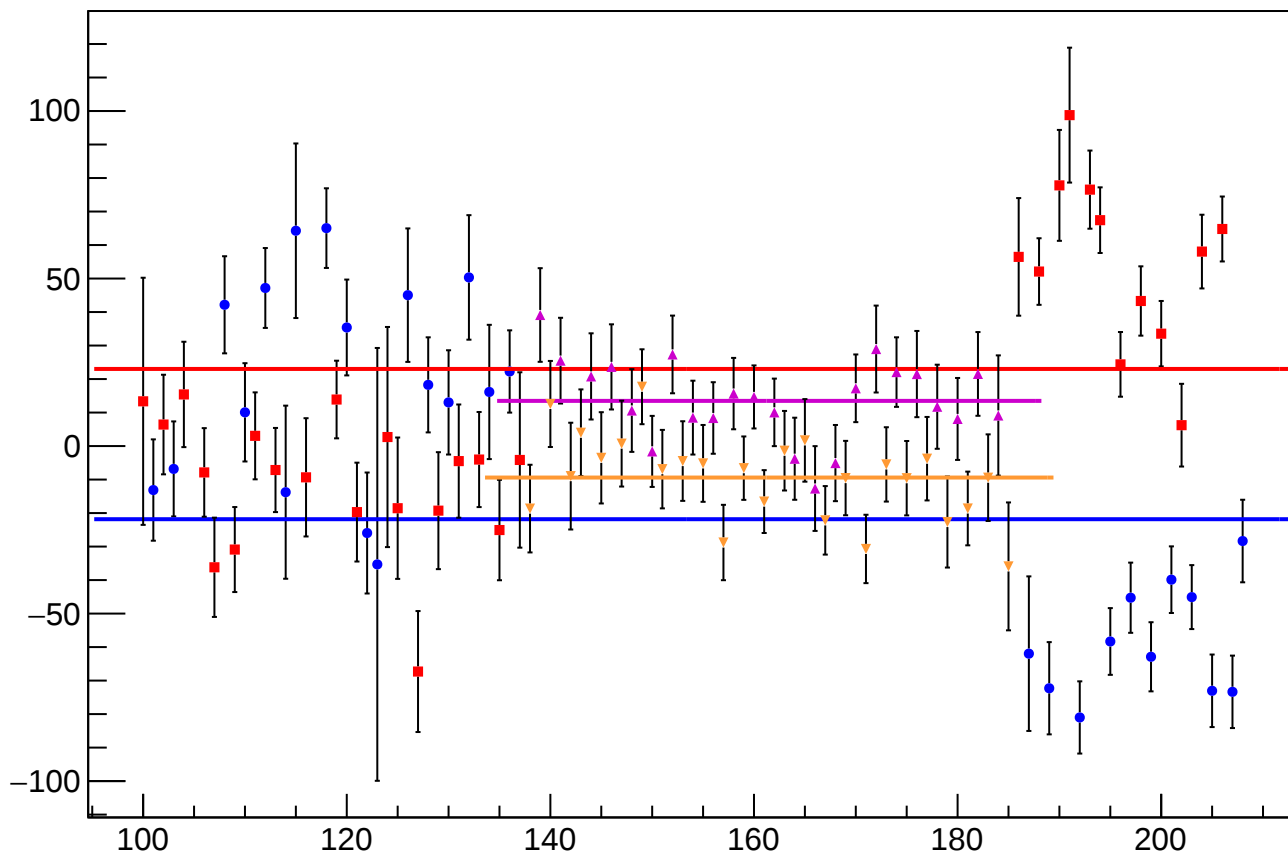
Left In: 1184.966+/-0.206 χ^2/NDF : 1190431.5/22

+ sign 1168.034+/-0.161 χ^2/NDF : 13133977.4/52

All: 1169.249+/-0.113 χ^2/NDF : 23077290.4/100

- sign 1170.426+/-0.159 χ^2/NDF : 9943201.5/53

diff_bpm0l07X_mean vs Slug



Right In: -21.831 ± 2.525 χ^2/NDF : 331.0/27

Left Out: -9.398 ± 2.358 χ^2/NDF : 26.3/24

Right Out: 23.017 ± 2.422 χ^2/NDF : 228.8/30

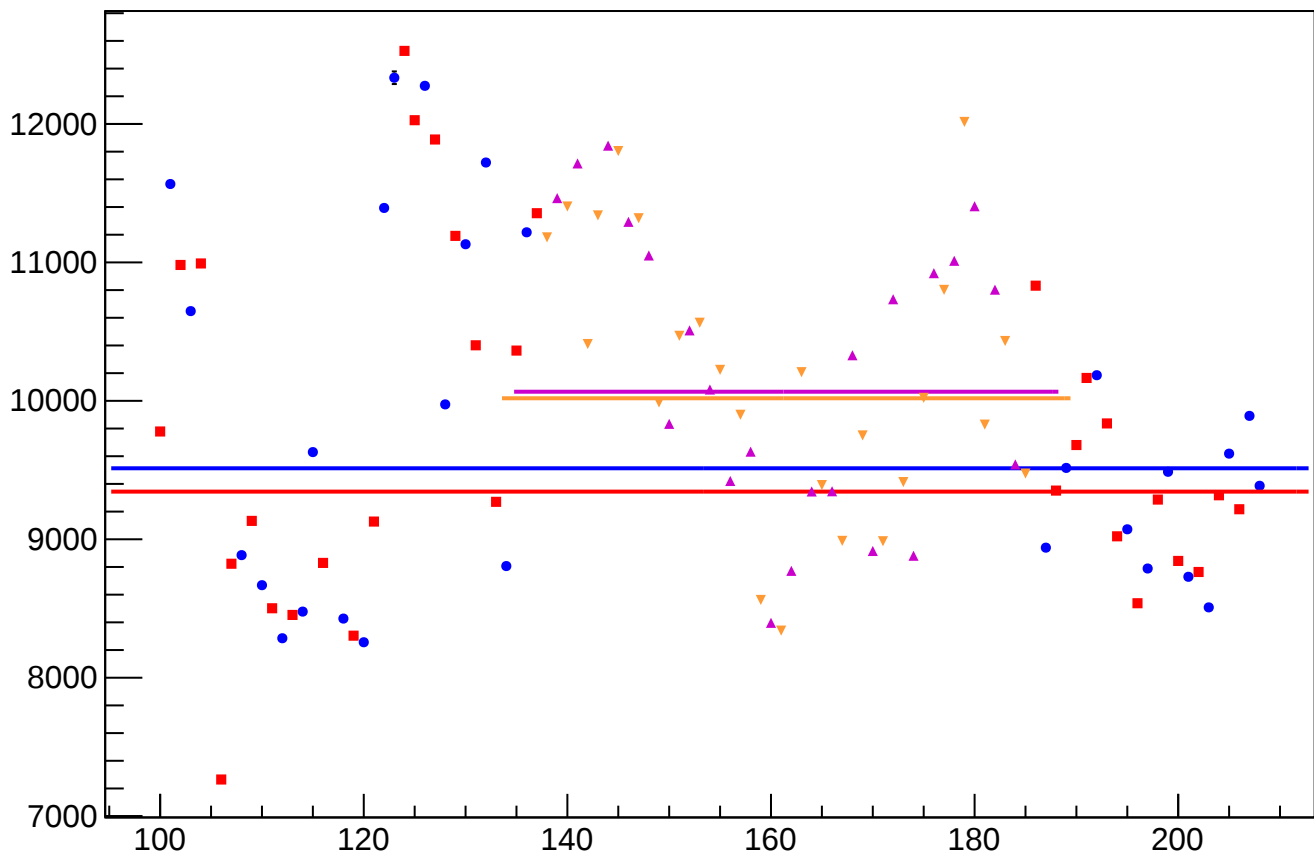
Left In: 13.485 ± 2.443 χ^2/NDF : 21.6/22

+ sign -15.190 ± 1.724 χ^2/NDF : 370.3/52

All: 1.590 ± 1.217 χ^2/NDF : 817.5/106

- sign 18.293 ± 1.720 χ^2/NDF : 258.1/53

diff_bpm0l07X_rms vs Slug



Right In: 9512.896 $\pm$ 1.786 χ^2 /NDF: 333610.5/27

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

Right Out: 9344.290 $\pm$ 1.712 χ^2 /NDF: 326263.8/30

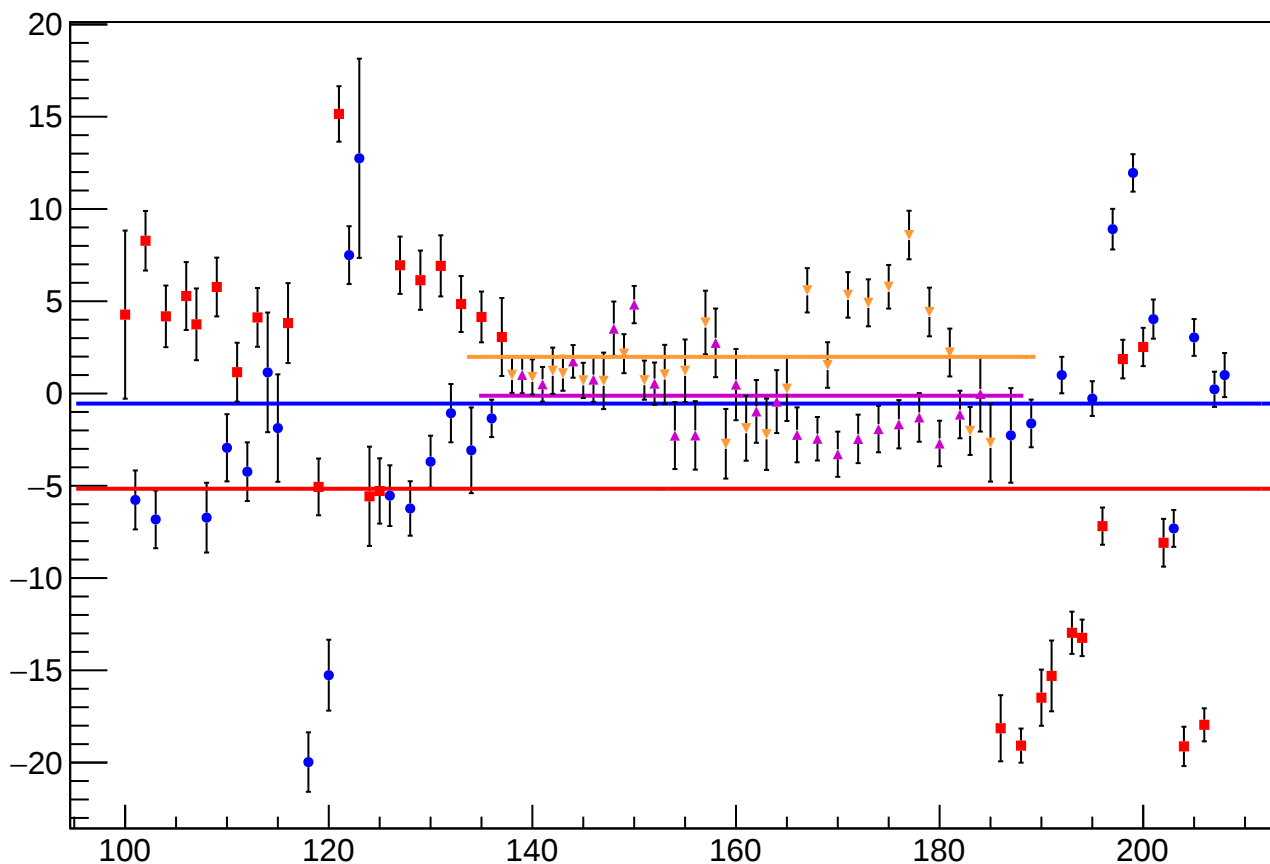
Left In: 10065.909 $\pm$ 1.727 χ^2 /NDF:357868.9/22

+ sign 9783.000 $\pm$ 1.219 χ^2 /NDF: 720974.0/52

All: 9742.376 $\pm$ 0.861 χ^2 /NDF: 1495351.7/10

- sign 9701.938 $\pm$ 1.216 χ^2 /NDF: 772161.0/53

diff_bpm0l07Y_mean vs Slug



Right In: -0.546 ± 0.255 $\chi^2/\text{NDF}: 621.6/27$

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

Right Out: -5.161 ± 0.250 $\chi^2/\text{NDF}: 1683.6/30$

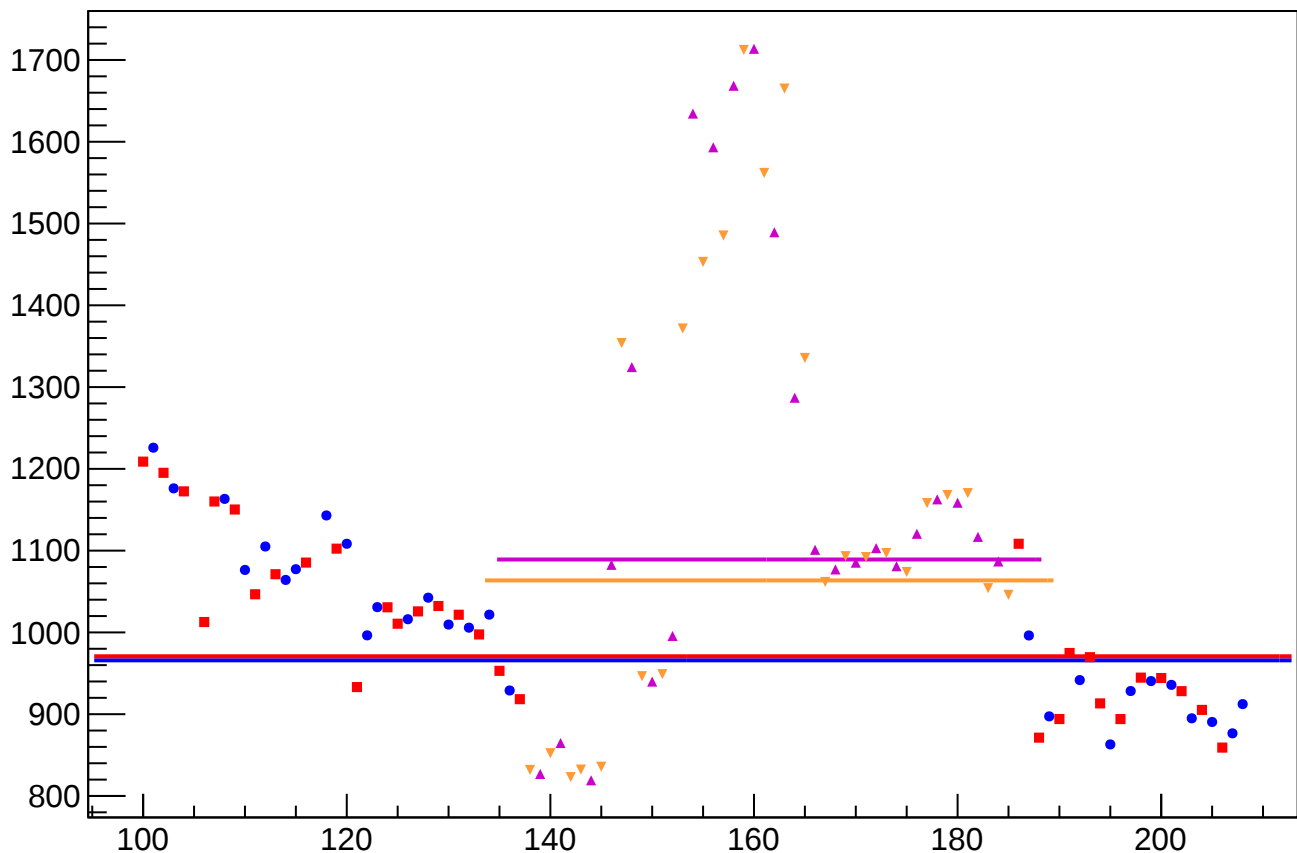
Left In: -0.120 ± 0.269 $\chi^2/\text{NDF}: 67.6/22$

+ sign 0.720 ± 0.180 $\chi^2/\text{NDF}: 772.1/52$

All: -1.020 ± 0.128 $\chi^2/\text{NDF}: 2901.3/106$

- sign -2.818 ± 0.183 $\chi^2/\text{NDF}: 1939.6/53$

diff_bpm0l07Y_rms vs Slug



Right In: 965.861+/-0.180 χ^2/NDF : 268197.0/27

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

Right Out: 970.822+/-0.177 χ^2/NDF : 265900.1/30

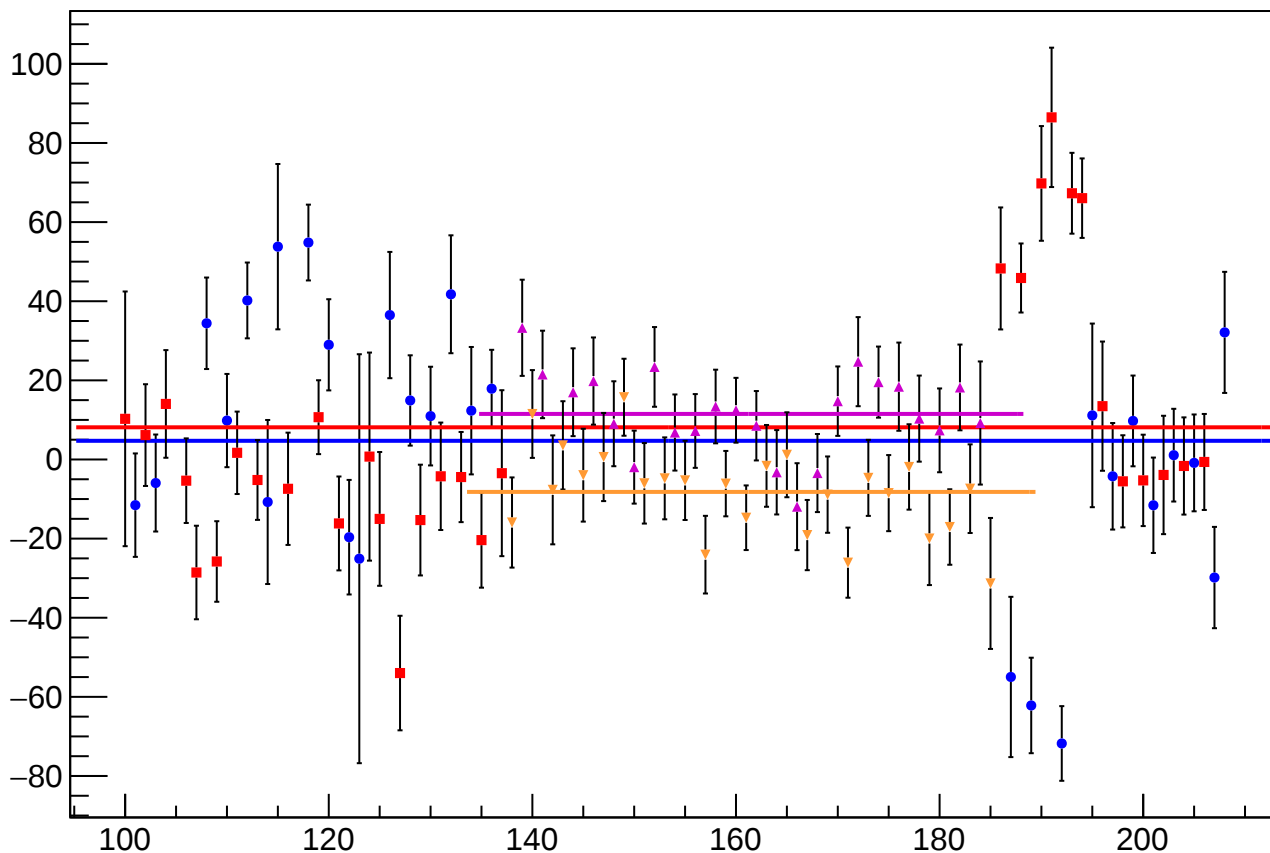
Left In: 1089.154+/-0.190 χ^2/NDF :1430478.5/22

+ sign 1014.767+/-0.127 χ^2/NDF : 2032592.9/52

All: 1020.208+/-0.091 χ^2/NDF : 3940268.9/10

- sign 1025.827+/-0.130 χ^2/NDF : 1903972.1/53

diff_bpm0l08X_mean vs Slug



Right In: 4.720 ± 2.427 χ^2/NDF : 195.5/27

Left Out: -8.195 ± 2.049 χ^2/NDF : 26.2/24

Right Out: 8.132 ± 2.242 χ^2/NDF : 196.0/30

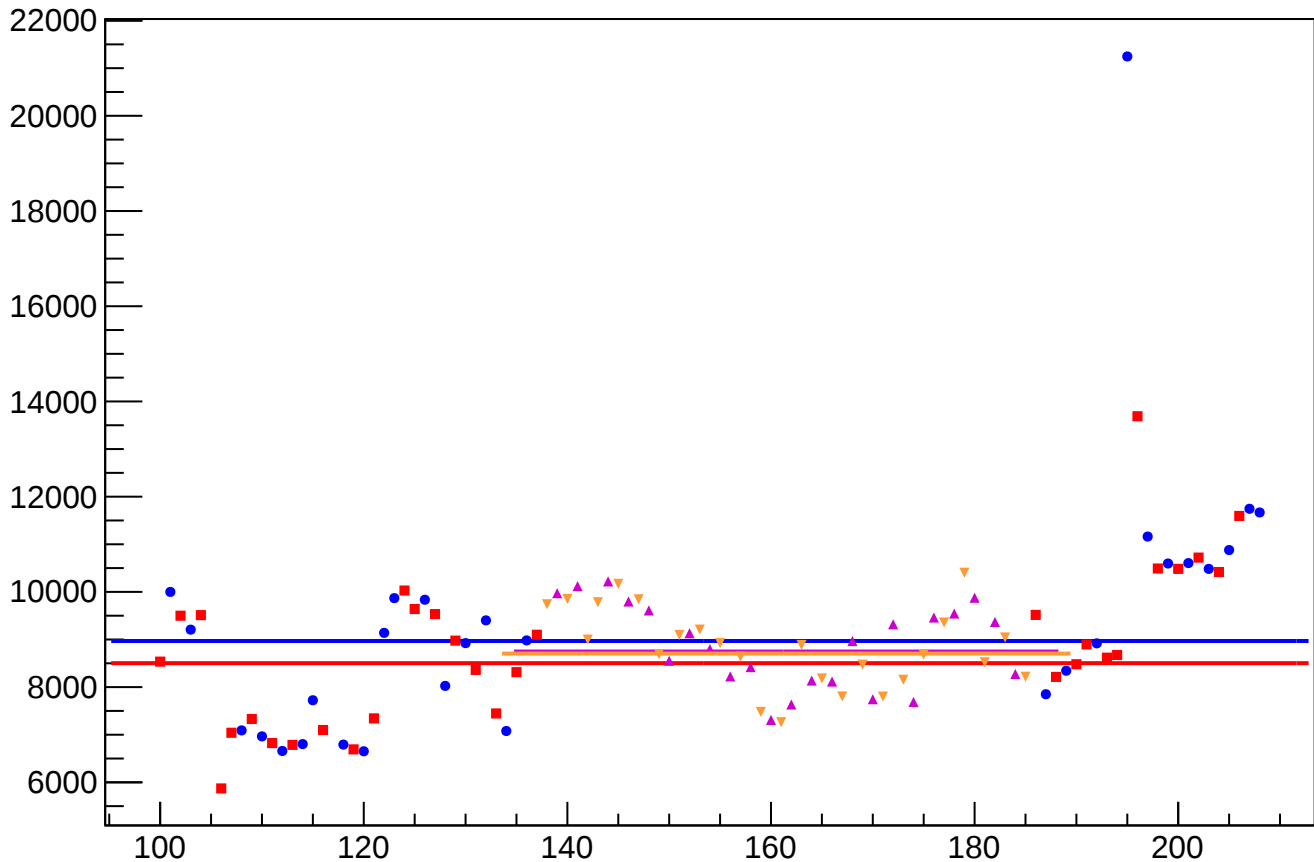
Left In: 11.515 ± 2.122 χ^2/NDF : 21.0/22

+ sign -2.823 ± 1.566 χ^2/NDF : 238.2/52

All: 3.647 ± 1.098 χ^2/NDF : 490.1/106

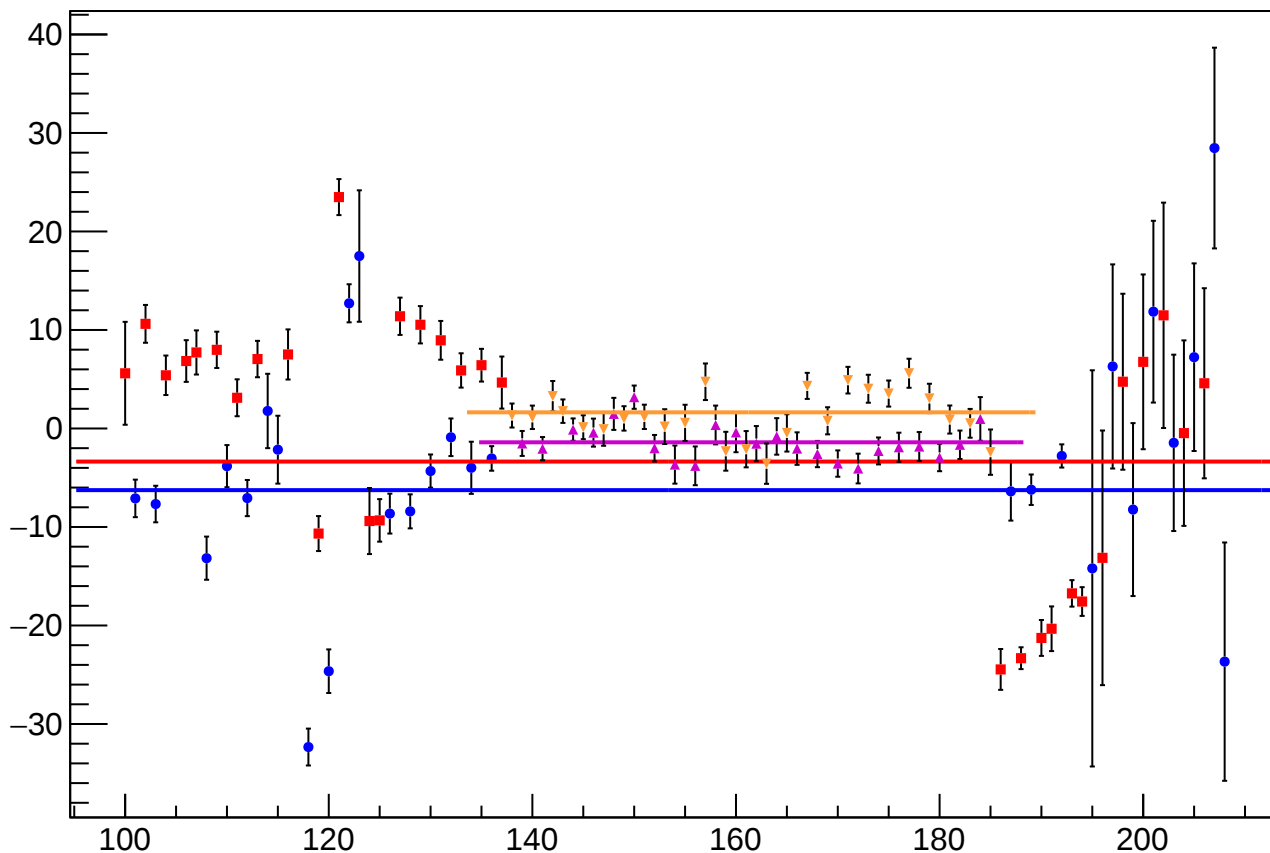
- sign 9.916 ± 1.541 χ^2/NDF : 218.3/53

diff_bpm0l08X_rms vs Slug



Right In: 8968.482 $\pm$ 1.716	χ^2 /NDF: 1442452.8/27	+ sign 8814.132 $\pm$ 1.107	χ^2 /NDF: 1788663.1/52
Left Out: 8704.193 $\pm$ 1.449	χ^2 /NDF: 332364.3/24	All: 8721.592 $\pm$ 0.777	χ^2 /NDF: 3188681.8/10
Right Out: 8503.075 $\pm$ 1.585	χ^2 /NDF: 1026619.2/30	- sign 8631.918 $\pm$ 1.090	χ^2 /NDF: 1386259.9/53
Left In: 8747.415 $\pm$ 1.501	χ^2 /NDF: 347110.4/22		

diff_bpm0l08Y_mean vs Slug



Right In: -6.260 ± 0.425 $\chi^2/\text{NDF}: 439.9/27$

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

Right Out: -3.359 ± 0.373 $\chi^2/\text{NDF}: 1471.0/30$

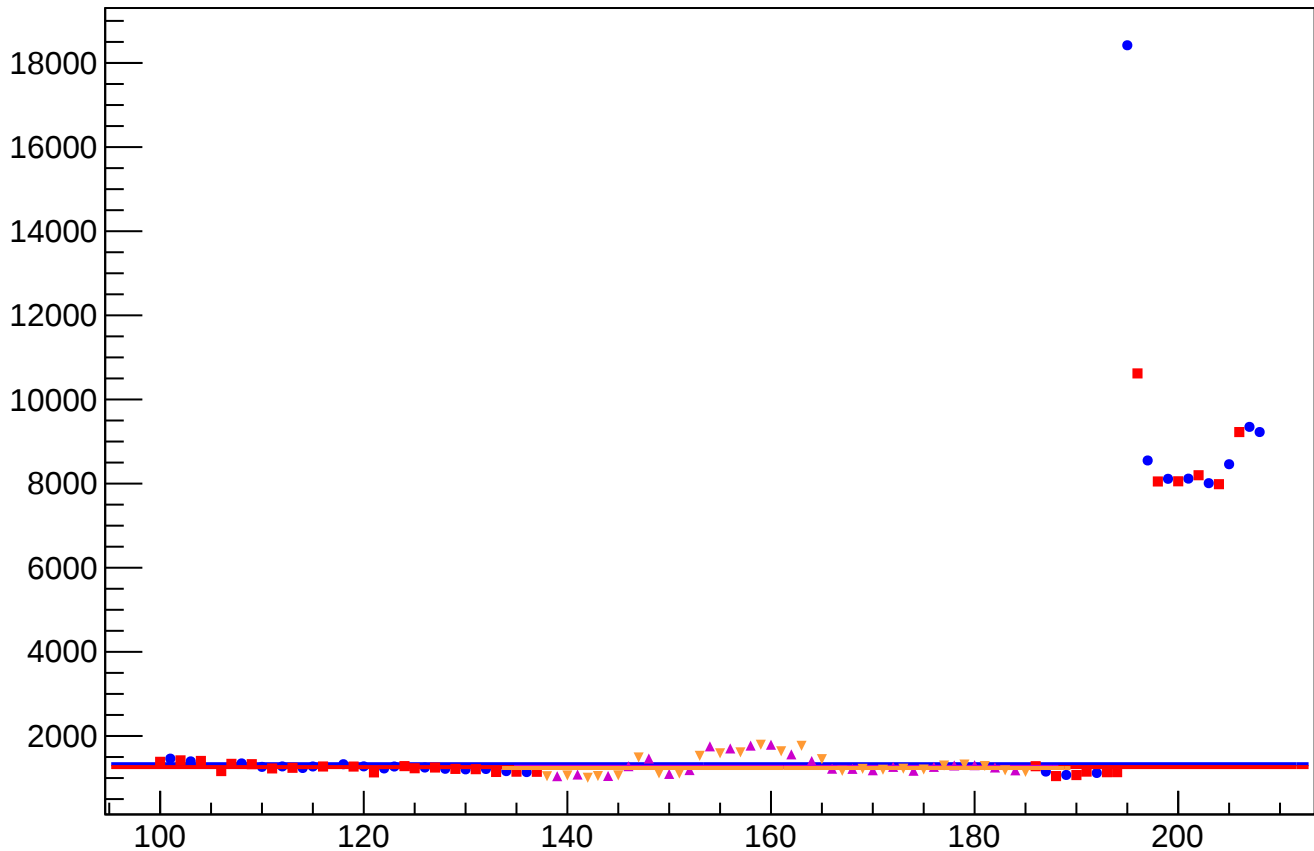
Left In: -1.404 ± 0.309 $\chi^2/\text{NDF}: 34.1/22$

+ sign -0.915 ± 0.242 $\chi^2/\text{NDF}: 725.3/52$

All: -1.568 ± 0.169 $\chi^2/\text{NDF}: 2261.2/106$

- sign -2.201 ± 0.238 $\chi^2/\text{NDF}: 1521.5/53$

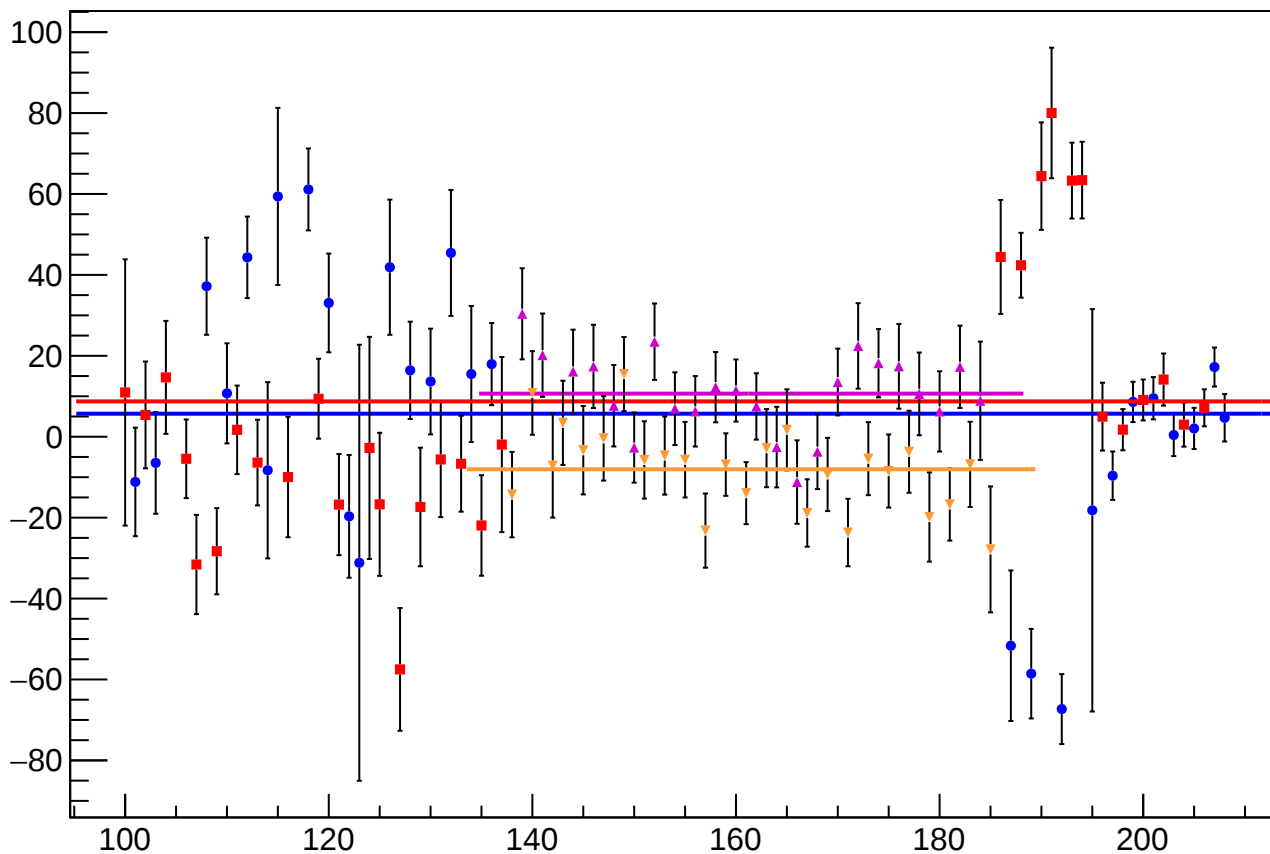
diff_bpm0l08Y_rms vs Slug



Right In: 1329.276+/-0.300 χ^2/NDF : 9249761.8/27
 Left Out: 1238.437+/-0.208 χ^2/NDF : 965173.0/24
 Right Out: 1260.414+/-0.263 χ^2/NDF : 6696361.7/30
 Left In: 1265.673+/-0.218 χ^2/NDF : 845157.0/22

+ sign 1267.813+/-0.171 χ^2/NDF : 10276844.7/52
 All: 1265.639+/-0.120 χ^2/NDF : 17818918.6/100
 - sign 1263.530+/-0.168 χ^2/NDF : 7541754.7/53

diff_bpm0l09X_mean vs Slug



Right In: 5.695 ± 1.641 $\chi^2/\text{NDF}: 212.6/27$

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

Right Out: 8.738 ± 1.665 $\chi^2/\text{NDF}: 199.4/30$

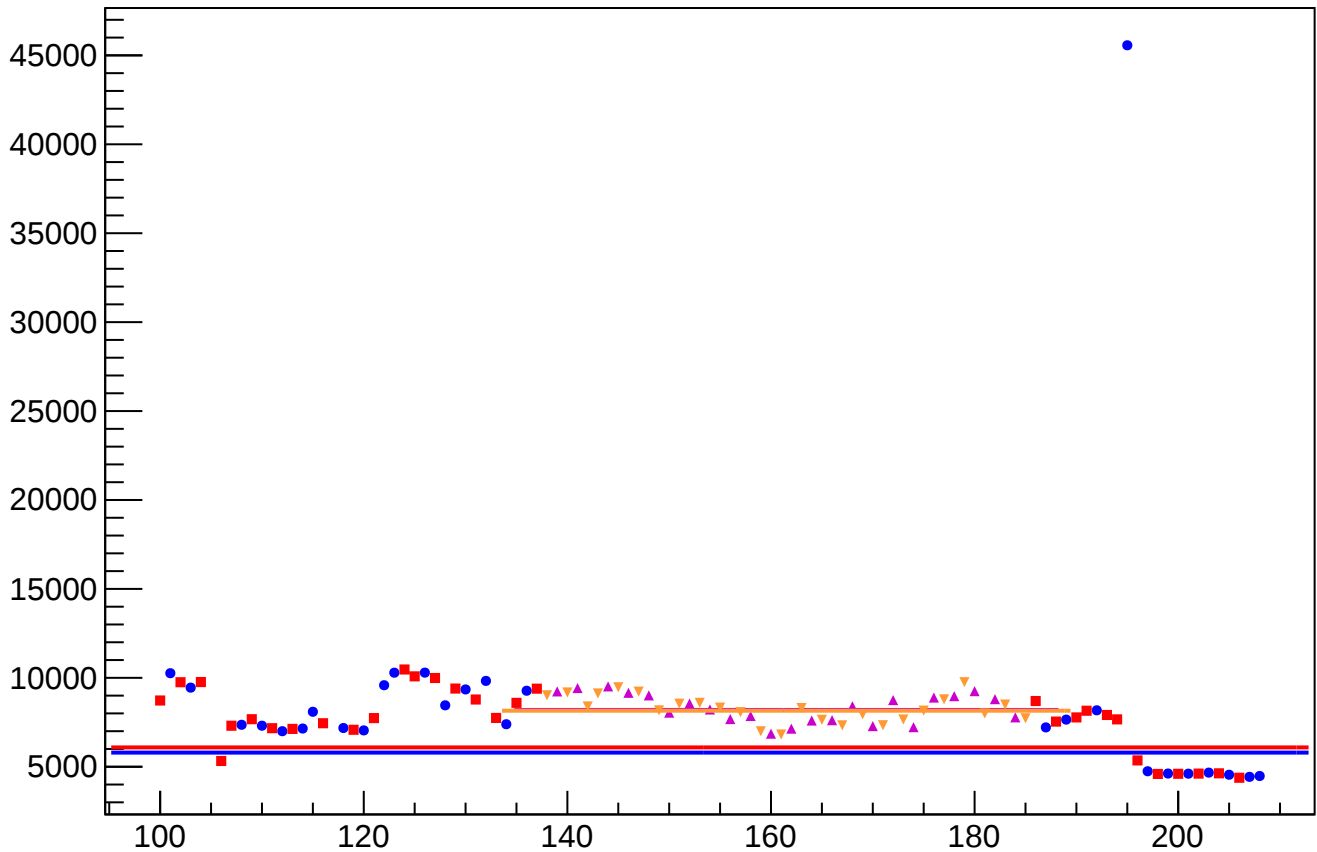
Left In: 10.653 ± 1.988 $\chi^2/\text{NDF}: 21.4/22$

+ sign -0.109 ± 1.247 $\chi^2/\text{NDF}: 268.5/52$

All: 4.597 ± 0.892 $\chi^2/\text{NDF}: 519.1/106$

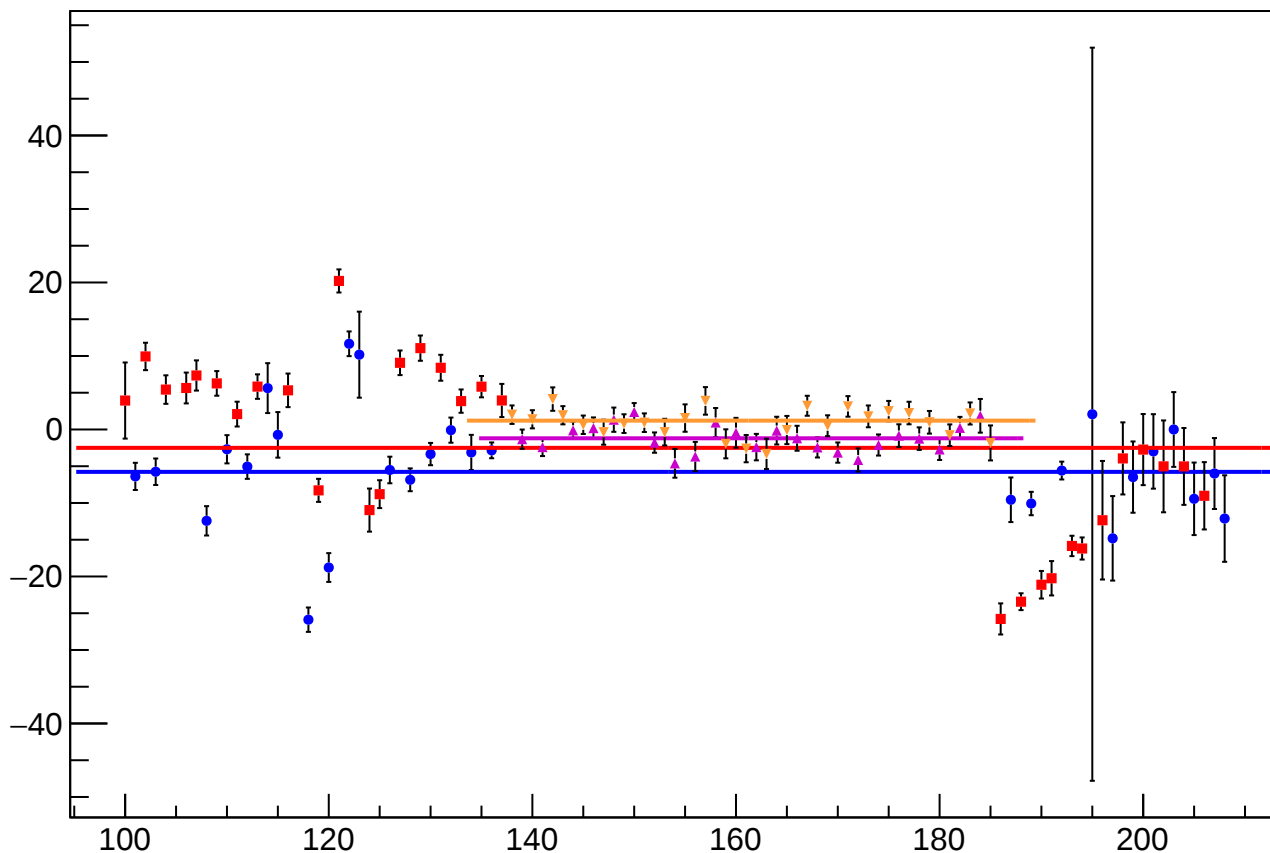
- sign 9.527 ± 1.276 $\chi^2/\text{NDF}: 221.4/53$

diff_bpm0l09X_rms vs Slug



Right In: 5796.088+/-1.160	χ^2/NDF : 3734290.9/27	+ sign 6791.271+/-0.882	χ^2/NDF : 5797648.8/52
Left Out: 8151.489+/-1.356	χ^2/NDF : 321803.3/24	All: 6871.518+/-0.631	χ^2/NDF : 9807948.8/10
Right Out: 6087.231+/-1.177	χ^2/NDF : 2334679.2/30	- sign 6955.586+/-0.902	χ^2/NDF : 3993335.7/53
Left In: 8193.636+/-1.405	χ^2/NDF : 338377.6/22		

diff_bpm0l09Y_mean vs Slug



Right In: -5.767 ± 0.387 χ^2/NDF : 371.6/27

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

Right Out: -2.500 ± 0.349 χ^2/NDF : 1410.6/30

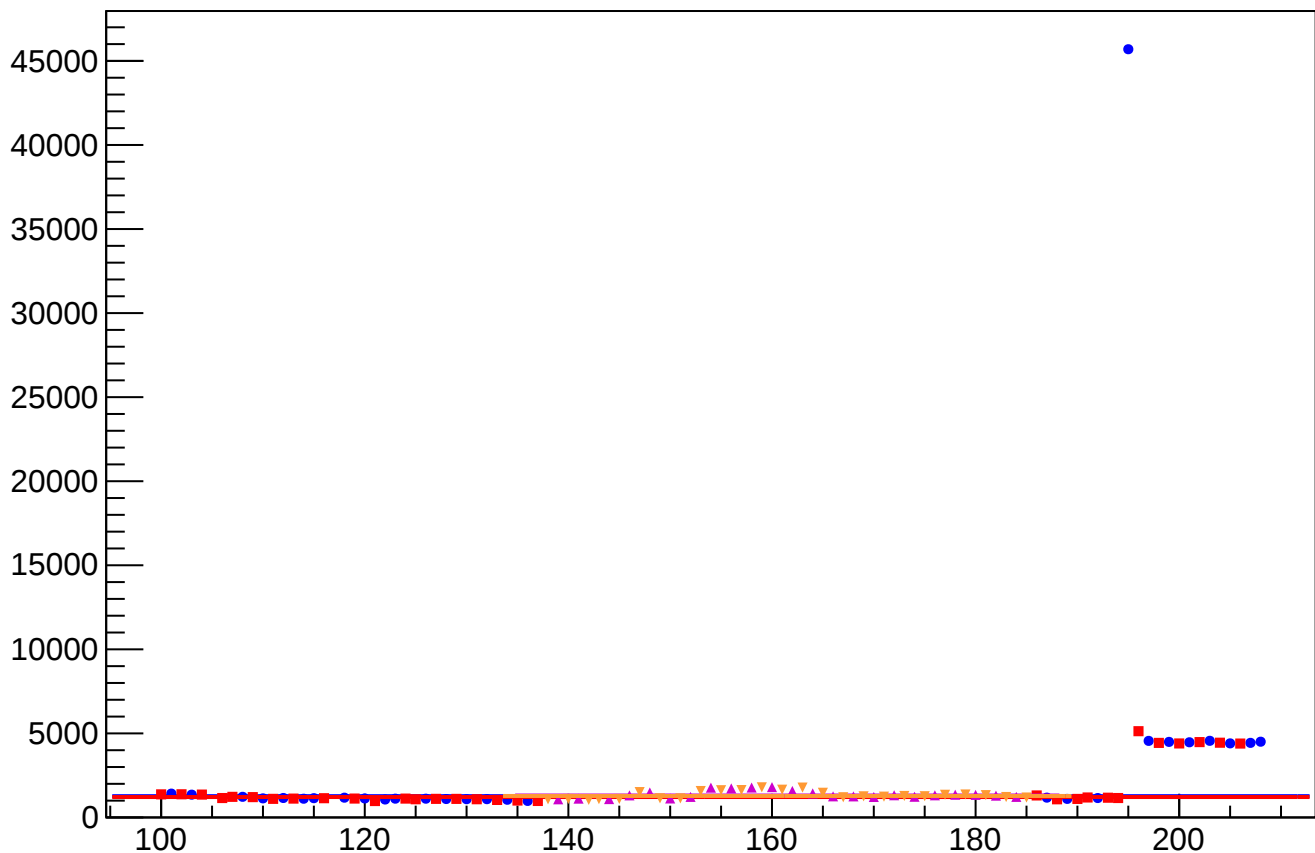
Left In: -1.198 ± 0.318 χ^2/NDF : 31.2/22

+ sign -1.437 ± 0.238 χ^2/NDF : 602.8/52

All: -1.616 ± 0.167 χ^2/NDF : 2053.3/106

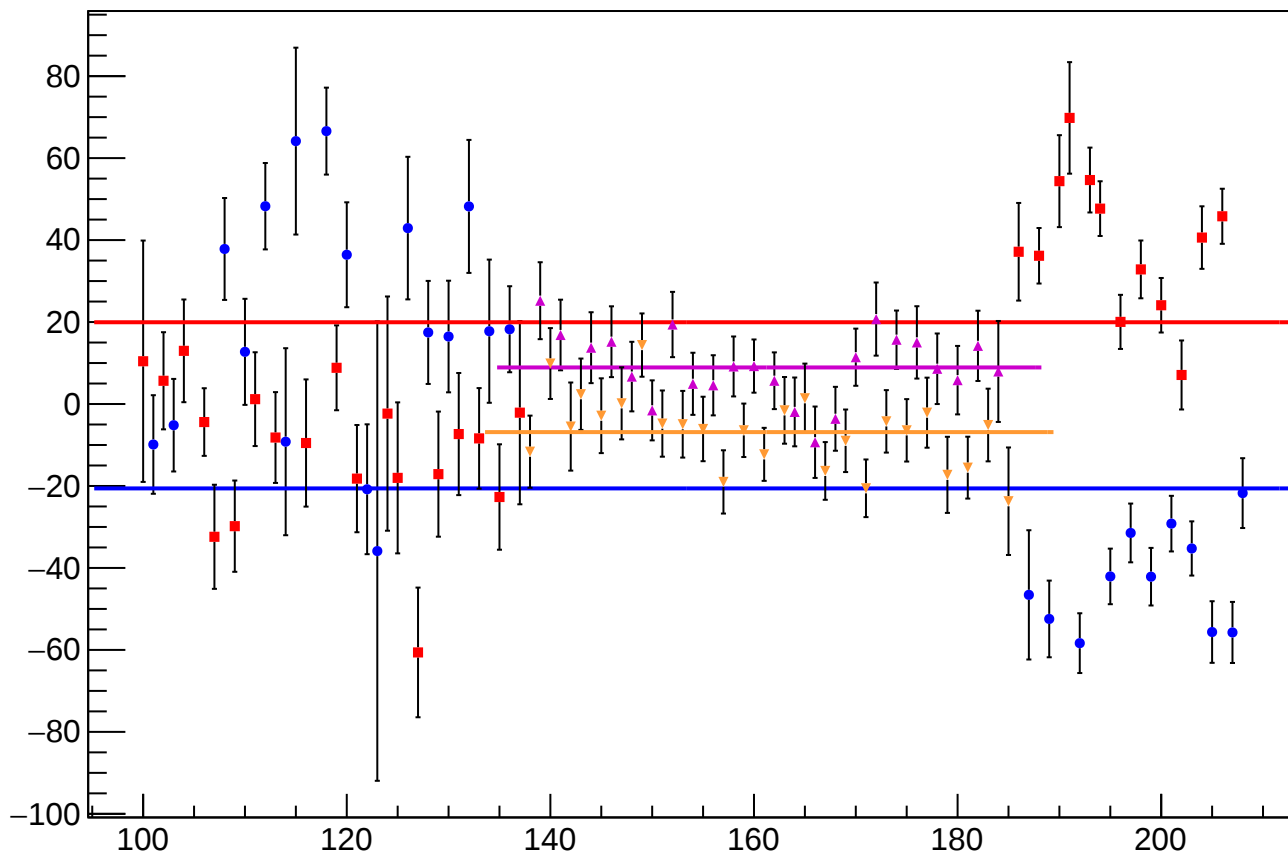
- sign -1.790 ± 0.235 χ^2/NDF : 1449.4/53

diff_bpm0l09Y_rms vs Slug



Right In: 1266.041+/-0.274	χ^2/NDF : 7416844.2/27	+ sign 1273.417+/-0.169	χ^2/NDF : 8296140.4/52
Left Out: 1277.916+/-0.214	χ^2/NDF : 878127.9/24	All: 1268.769+/-0.118	χ^2/NDF : 13877798.0/101
Right Out: 1214.699+/-0.246	χ^2/NDF : 4745596.1/30	- sign 1264.253+/-0.166	χ^2/NDF : 5580158.3/53
Left In: 1305.541+/-0.225	χ^2/NDF : 760450.8/22		

diff_bpm0l10X_mean vs Slug



Right In: -20.594 ± 1.889 χ^2/NDF : 355.3/27

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

Right Out: 19.950 ± 1.796 χ^2/NDF : 222.6/30

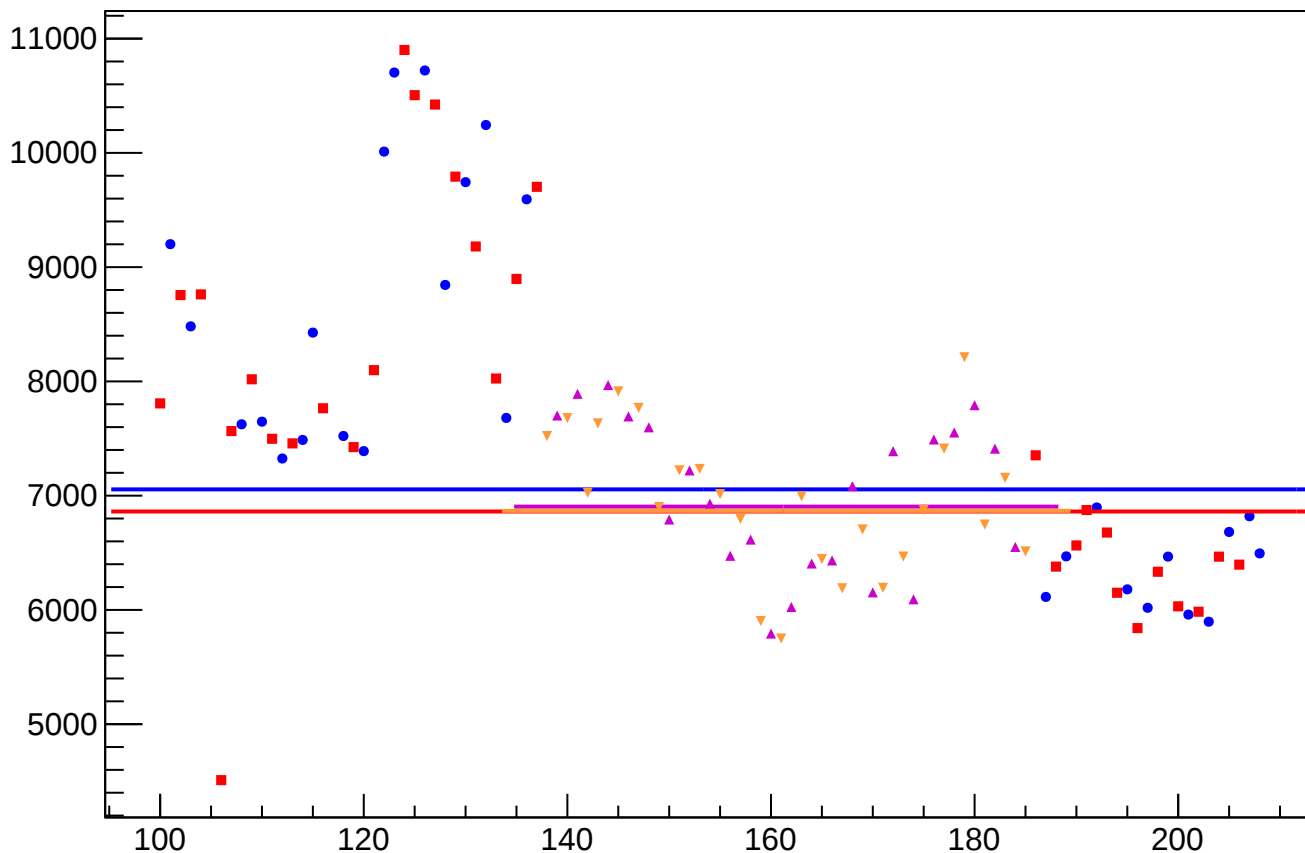
Left In: 8.923 ± 1.674 χ^2/NDF : 21.8/22

+ sign -12.659 ± 1.228 χ^2/NDF : 414.5/52

All: 0.729 ± 0.867 χ^2/NDF : 916.4/106

- sign 14.050 ± 1.225 χ^2/NDF : 264.6/53

diff_bpm0l10X_rms vs Slug



Right In: 7055.057 $\pm$ 1.336 χ^2 /NDF: 834869.8/27

Left Out: 6867.371 $\pm$ 1.142 χ^2 /NDF:306895.0/24

Right Out: 6861.368 $\pm$ 1.270 χ^2 /NDF: 939437.1/30

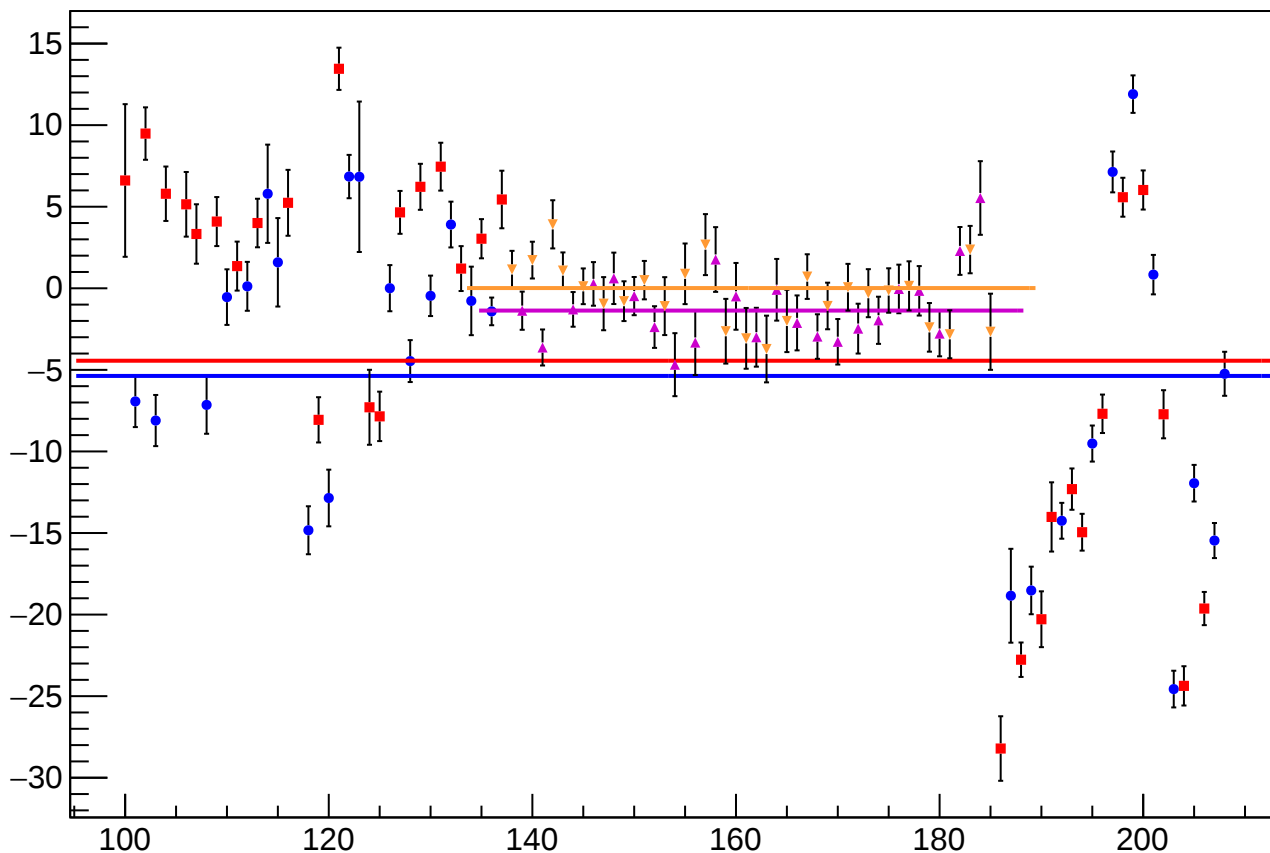
Left In: 6904.117 $\pm$ 1.184 χ^2 /NDF:325912.6/22

+ sign 6946.666 $\pm$ 0.868 χ^2 /NDF: 1153169.2/52

All: 6915.376 $\pm$ 0.613 χ^2 /NDF: 2421717.0/10

- sign 6884.240 $\pm$ 0.866 χ^2 /NDF: 1265955.9/53

diff_bpm0l10Y_mean vs Slug



Right In: -5.372 ± 0.260 χ^2/NDF : 1247.8/27

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

Right Out: -4.440 ± 0.257 χ^2/NDF : 2058.2/30

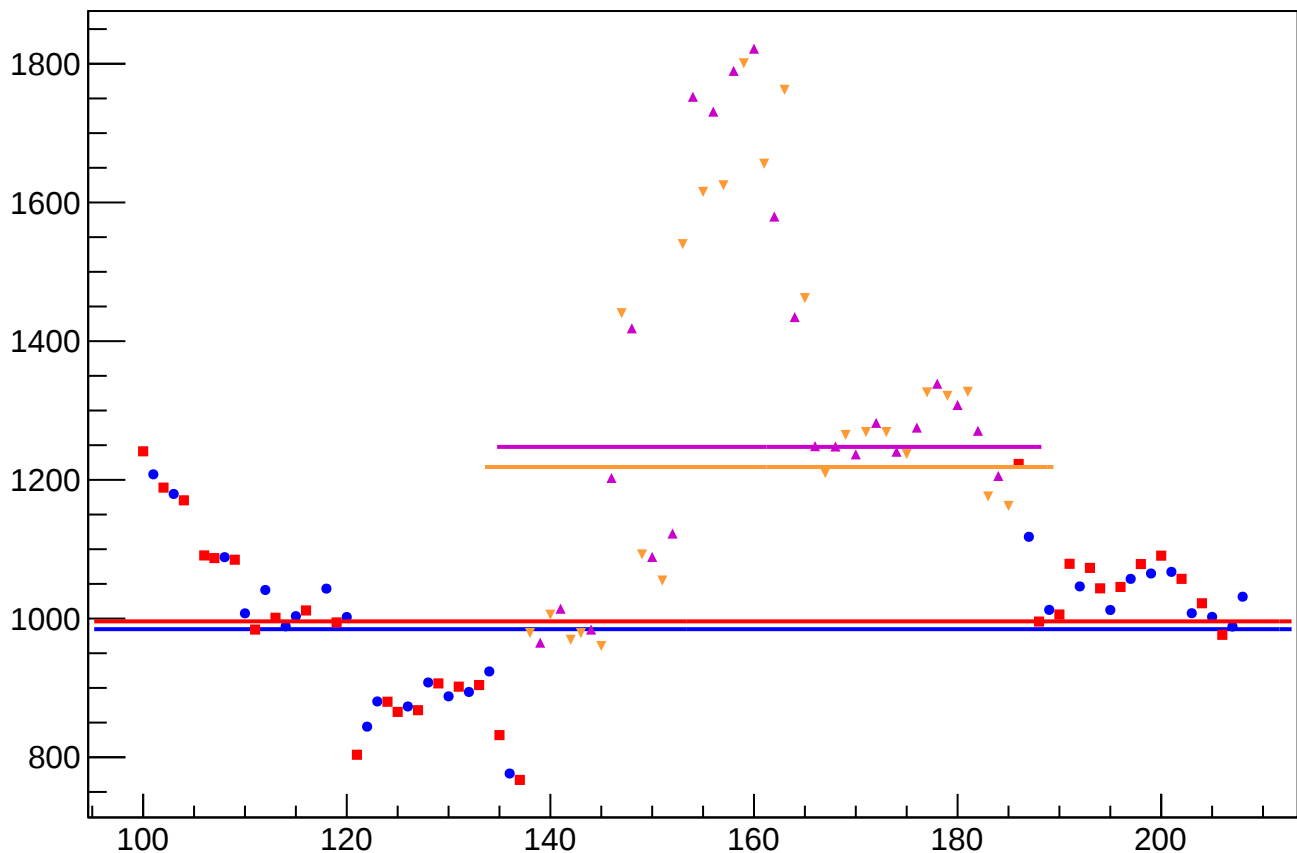
Left In: -1.365 ± 0.306 χ^2/NDF : 38.5/22

+ sign -2.969 ± 0.194 χ^2/NDF : 1474.0/52

All: -3.066 ± 0.138 χ^2/NDF : 3630.5/106

- sign -3.165 ± 0.197 χ^2/NDF : 2156.0/53

diff_bpm0l10Y_rms vs Slug



Right In: 984.692 $\pm$ 0.184 χ^2 /NDF: 312681.5/27

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

Right Out: 995.956 $\pm$ 0.182 χ^2 /NDF: 323549.6/30

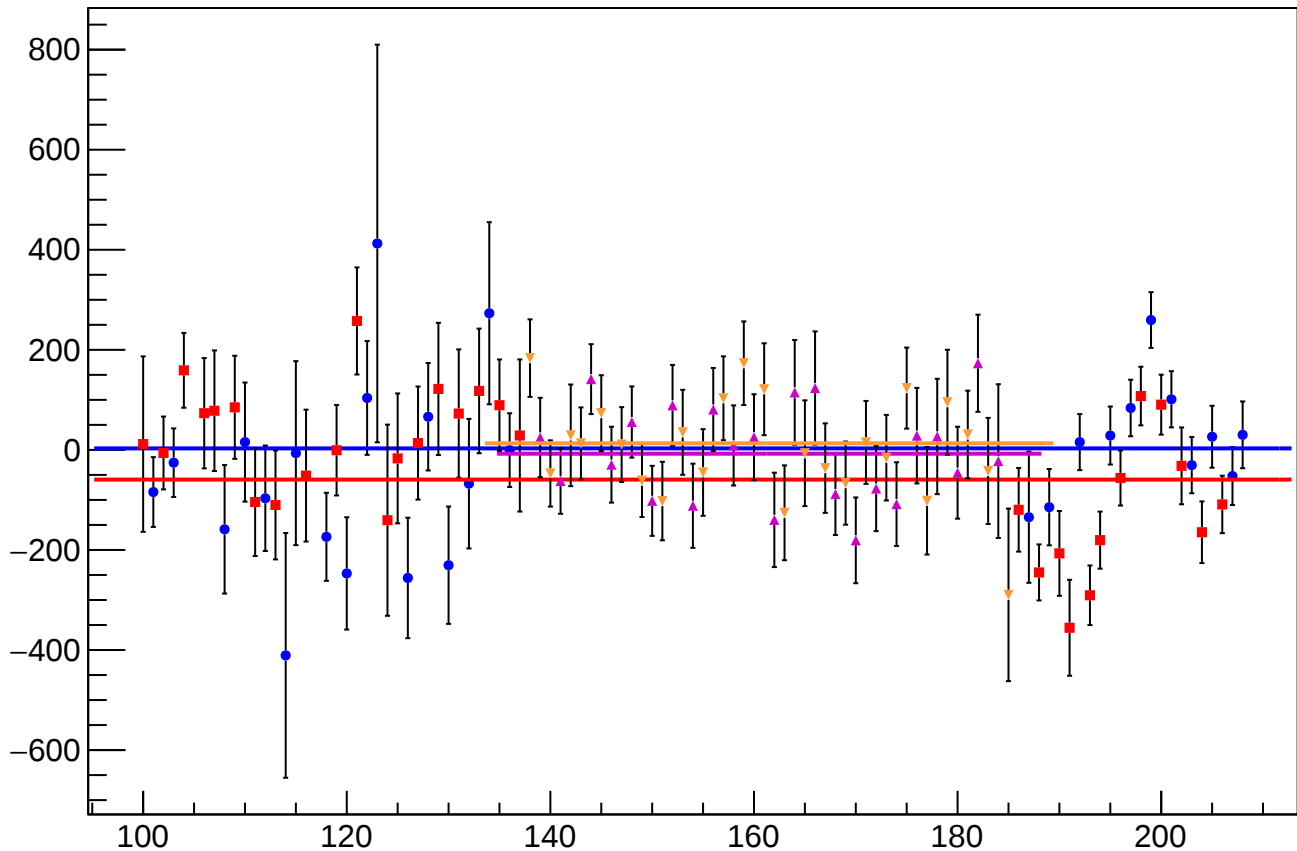
Left In: 1247.538 $\pm$ 0.216 χ^2 /NDF:1073390.3/22

+ sign 1089.007 $\pm$ 0.137 χ^2 /NDF: 2299285.2/52

All: 1094.555 $\pm$ 0.098 χ^2 /NDF: 4493454.2/10

- sign 1100.282 $\pm$ 0.139 χ^2 /NDF: 2190832.4/53

diff_bpm0r03X_mean vs Slug



Right In: 3.012 ± 15.107 χ^2/NDF : 61.0/27

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

Right Out: -59.321 ± 14.859 χ^2/NDF : 94.0/30

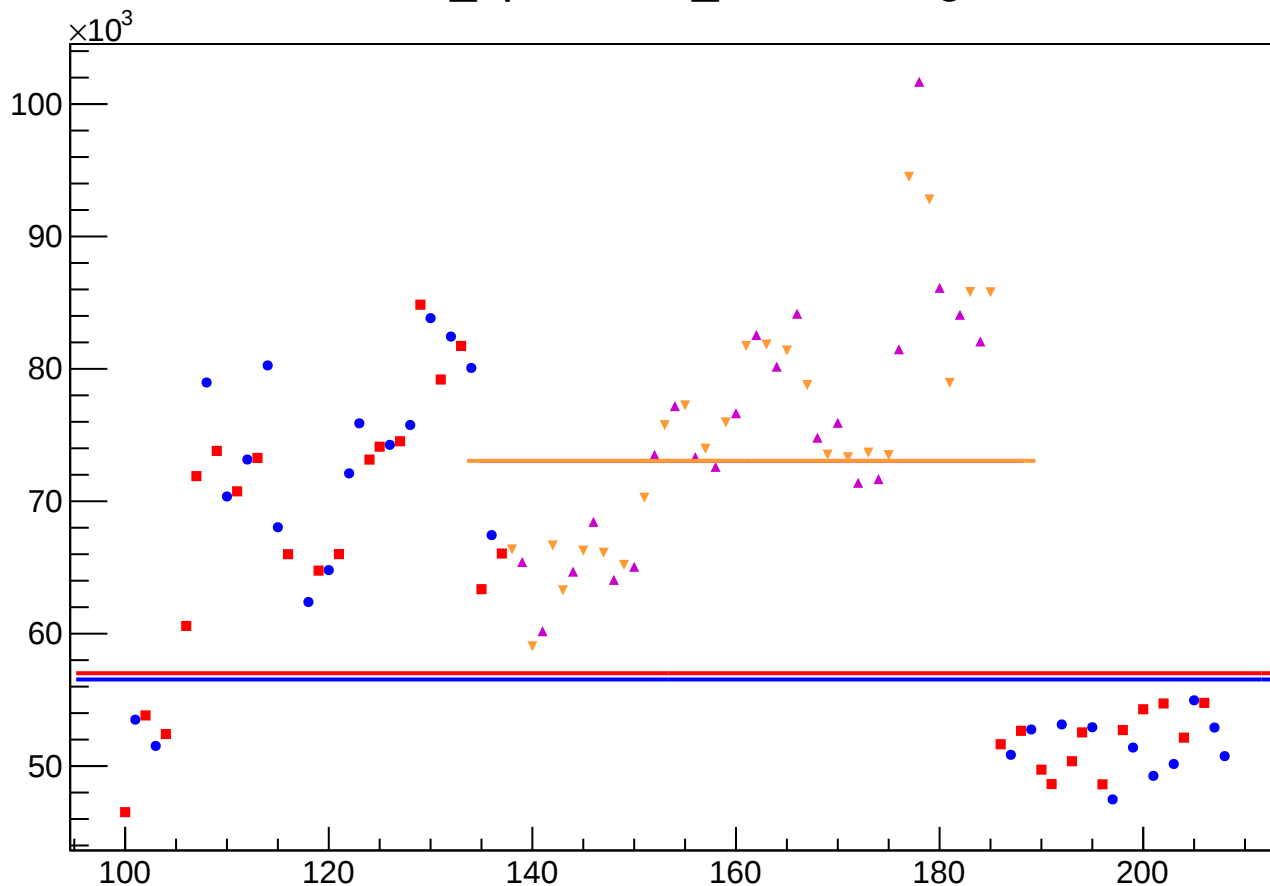
Left In: -7.618 ± 17.672 χ^2/NDF : 28.1/22

+ sign 7.467 ± 11.335 χ^2/NDF : 88.0/52

All: -15.144 ± 8.028 χ^2/NDF : 223.1/106

- sign -37.907 ± 11.373 χ^2/NDF : 127.1/53

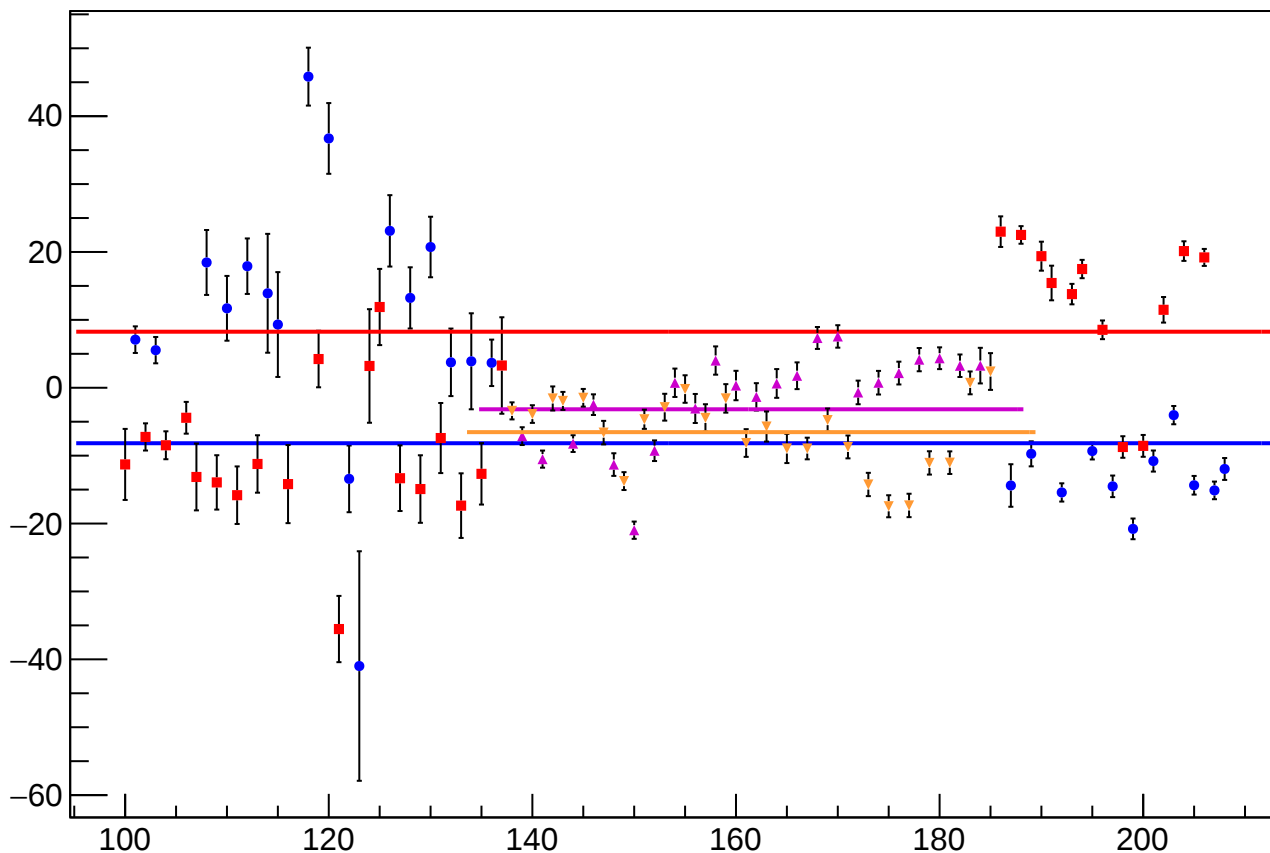
diff_bpm0r03X_rms vs Slug



Right In: 56539.772 ± 10.682 $\chi^2/\text{NDF}: 789840.5/27$
 Left Out: 73054.401 ± 12.124 $\chi^2/\text{NDF}: 473050.9/24$
 Right Out: 57012.488 ± 10.507 $\chi^2/\text{NDF}: 726742.7/30$
 Left In: 73045.500 ± 12.496 $\chi^2/\text{NDF}: 463525.5/22$

+ sign 63757.197 ± 8.015 $\chi^2/\text{NDF}: 2307413.9/52$
 All: 63705.314 ± 5.677 $\chi^2/\text{NDF}: 4462196.7/53$
 - sign 63653.083 ± 8.042 $\chi^2/\text{NDF}: 2154698.6/53$

diff_bpm0r03Y_mean vs Slug



Right In: -8.170 ± 0.407 $\chi^2/\text{NDF}: 756.8/27$

Left Out: -6.537 ± 0.332 $\chi^2/\text{NDF}: 252.7/24$

Right Out: 8.255 ± 0.402 $\chi^2/\text{NDF}: 1101.9/30$

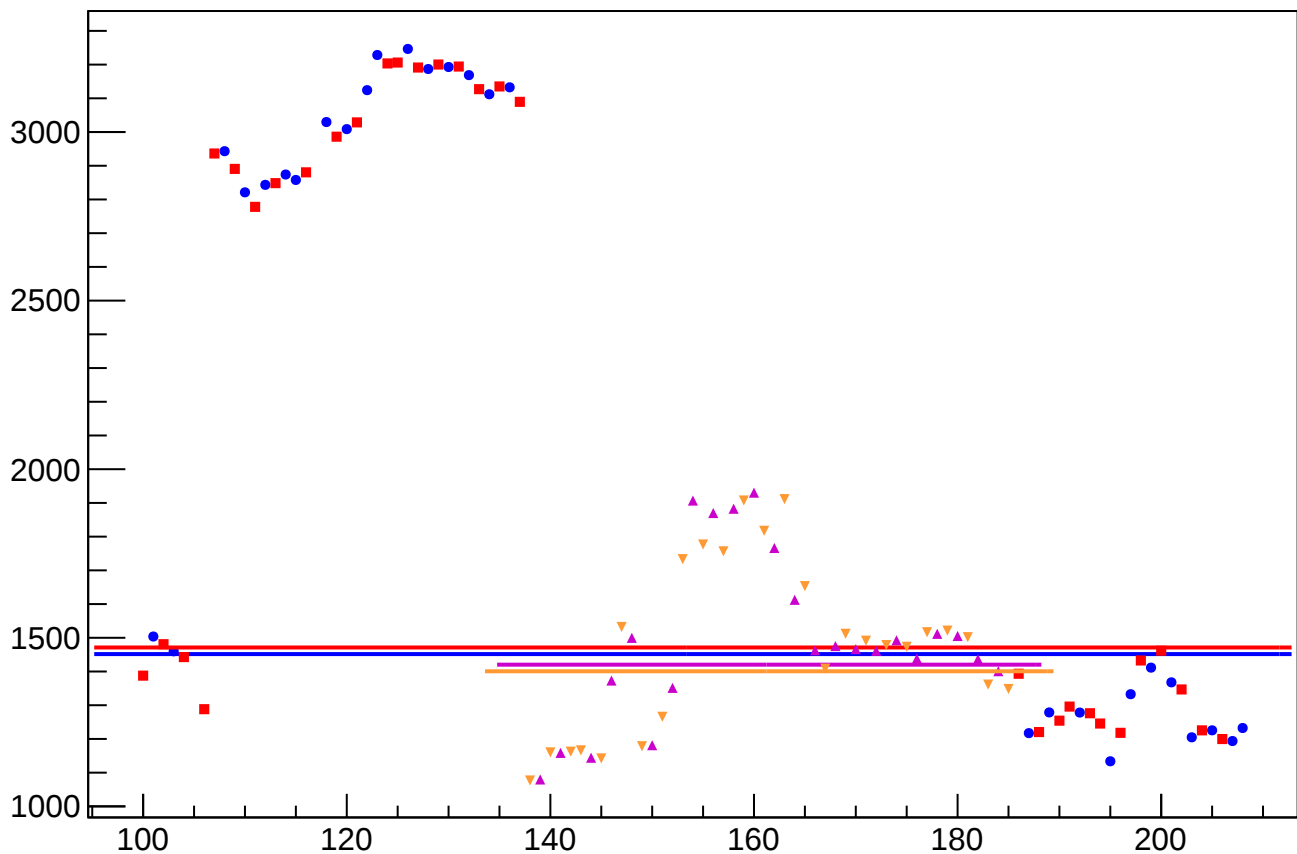
Left In: -3.171 ± 0.346 $\chi^2/\text{NDF}: 487.3/22$

+ sign -7.188 ± 0.257 $\chi^2/\text{NDF}: 1019.2/52$

All: -2.829 ± 0.184 $\chi^2/\text{NDF}: 3657.8/106$

- sign 1.703 ± 0.262 $\chi^2/\text{NDF}: 2053.2/53$

diff_bpm0r03Y_rms vs Slug



Right In: 1451.657 $\pm$ 0.288 χ^2 /NDF: 3534153.5/27

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

Right Out: 1471.225 $\pm$ 0.284 χ^2 /NDF: 3470955.1/30

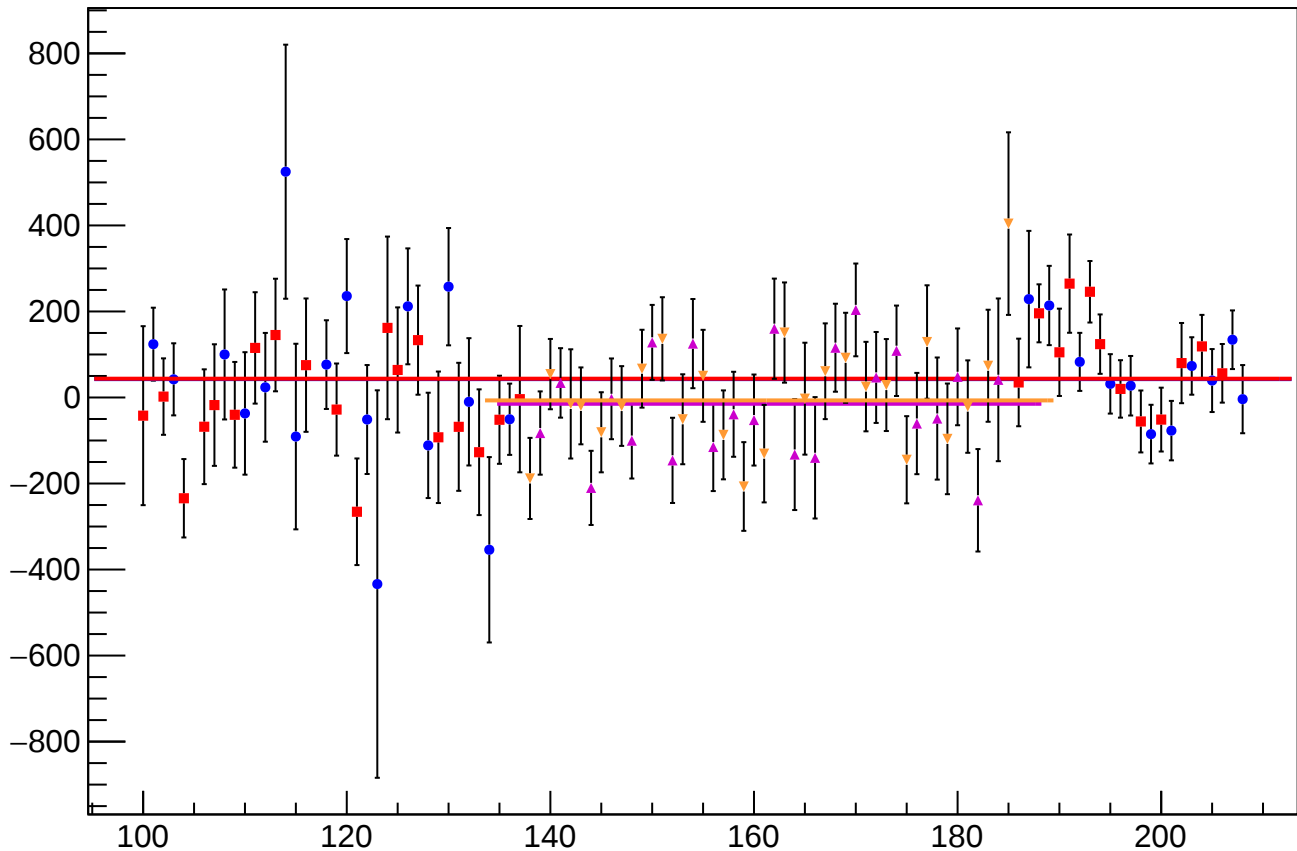
Left In: 1420.285 $\pm$ 0.245 χ^2 /NDF:905186.2/22

+ sign 1420.982 $\pm$ 0.182 χ^2 /NDF: 4590930.9/52

All: 1431.292 $\pm$ 0.130 χ^2 /NDF: 8992065.9/10

- sign 1442.013 $\pm$ 0.186 χ^2 /NDF: 4394583.6/53

diff_bpm0r05X_mean vs Slug



Right In: 42.707 $\pm$ 18.013 χ^2 /NDF: 32.9/27

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

Right Out: 43.670 $\pm$ 17.785 χ^2 /NDF: 46.6/30

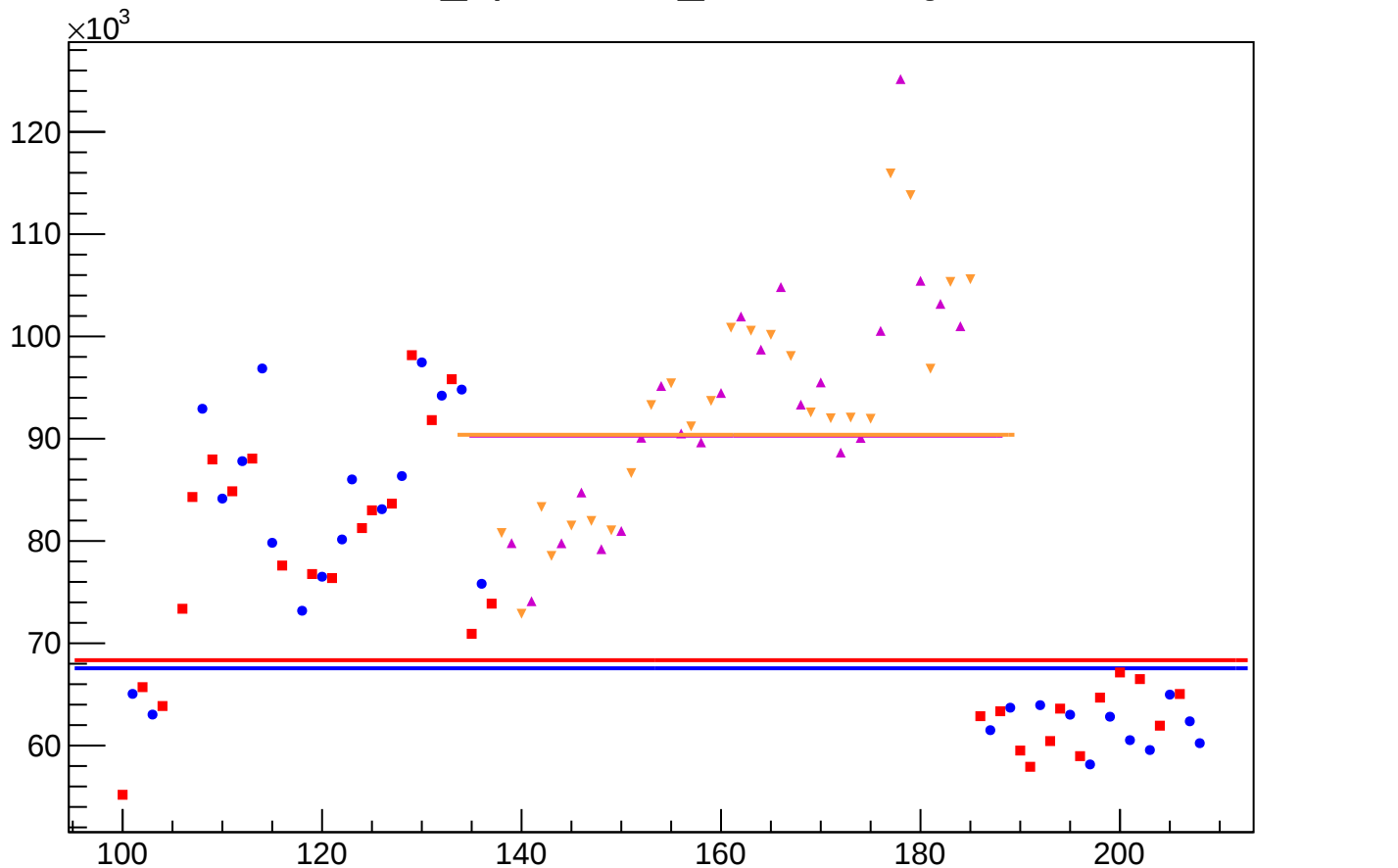
Left In: -14.611 $\pm$ 21.846 χ^2 /NDF: 29.8/22

+ sign 21.970 $\pm$ 13.731 χ^2 /NDF: 60.7/52

All: 21.208 $\pm$ 9.731 χ^2 /NDF: 141.5/106

- sign 20.439 $\pm$ 13.792 χ^2 /NDF: 80.7/53

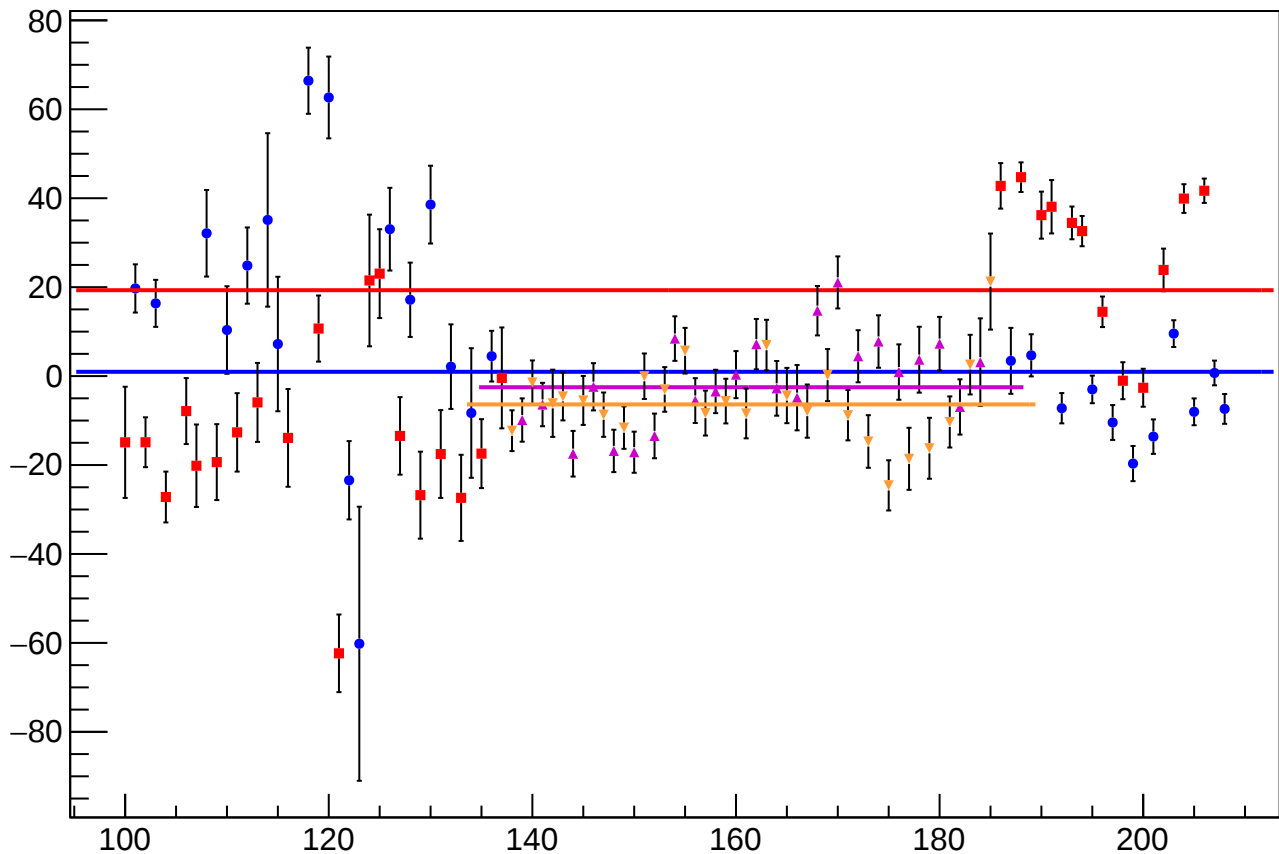
diff_bpm0r05X_rms vs Slug



Right In: 67556.635 ± 12.737 $\chi^2/\text{NDF}: 641246.3/27$
 Left Out: 90384.853 ± 15.000 $\chi^2/\text{NDF}: 461648.2/24$
 Right Out: 68348.197 ± 12.576 $\chi^2/\text{NDF}: 604751.8/30$
 Left In: 90293.591 ± 15.448 $\chi^2/\text{NDF}: 461337.5/22$

+ sign 77120.906 ± 9.709 $\chi^2/\text{NDF}: 2448647.3/52$
 All: 77108.280 ± 6.881 $\chi^2/\text{NDF}: 4728504.2/1$
 - sign 77095.541 ± 9.753 $\chi^2/\text{NDF}: 2279853.6/53$

diff_bpm0r05Y_mean vs Slug



Right In: 0.967 ± 0.942 χ^2/NDF : 292.8/27

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

Right Out: 19.313 ± 0.960 χ^2/NDF : 673.8/30

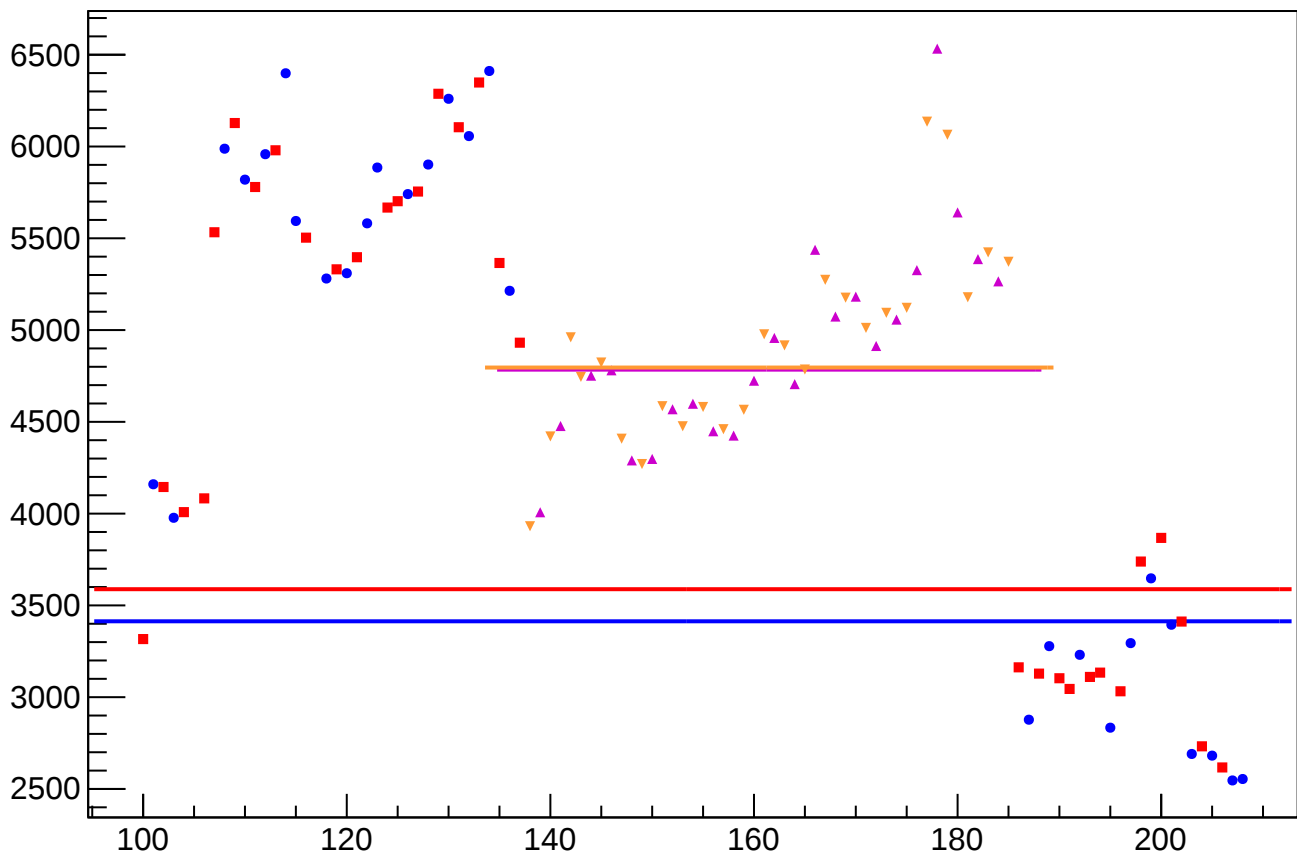
Left In: -2.501 ± 1.156 χ^2/NDF : 78.4/22

+ sign -2.059 ± 0.722 χ^2/NDF : 363.3/52

All: 4.027 ± 0.516 χ^2/NDF : 1471.8/106

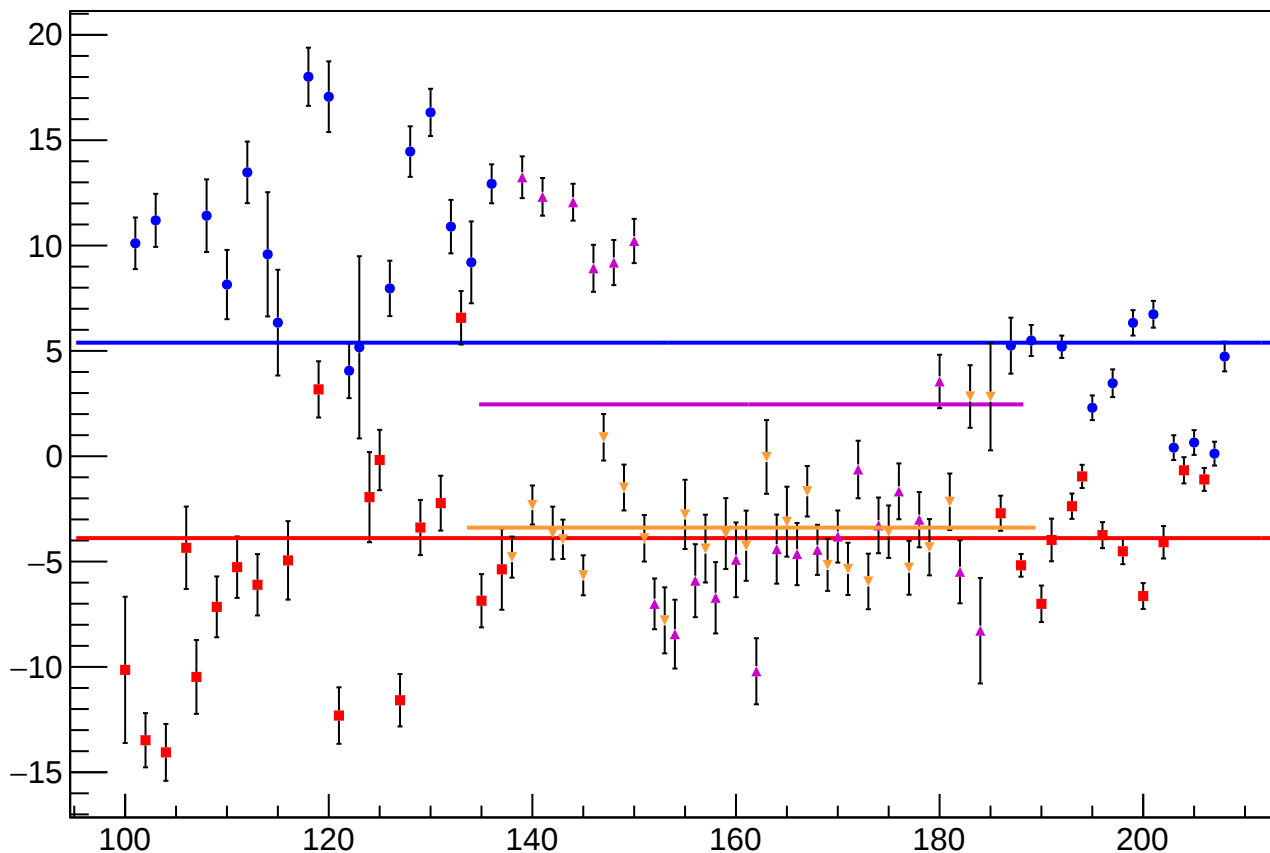
- sign 10.403 ± 0.739 χ^2/NDF : 962.9/53

diff_bpm0r05Y_rms vs Slug



Right In: 3413.410+/-0.666	χ^2/NDF : 2539041.7/27	+ sign 3983.541+/-0.510	χ^2/NDF : 4678424.7/52
Left Out: 4795.847+/-0.795	χ^2/NDF : 361249.7/24	All: 4029.106+/-0.365	χ^2/NDF : 8594205.0/10
Right Out: 3588.293+/-0.679	χ^2/NDF : 2275055.6/30	- sign 4076.844+/-0.522	χ^2/NDF : 3899457.1/53
Left In: 4784.434+/-0.817	χ^2/NDF : 357507.2/22		

diff_bpm2i01X_mean vs Slug



Right In: 5.391 ± 0.167 $\chi^2/\text{NDF}: 729.5/27$

Left Out: -3.390 ± 0.252 $\chi^2/\text{NDF}: 77.7/24$

Right Out: -3.887 ± 0.163 $\chi^2/\text{NDF}: 457.0/30$

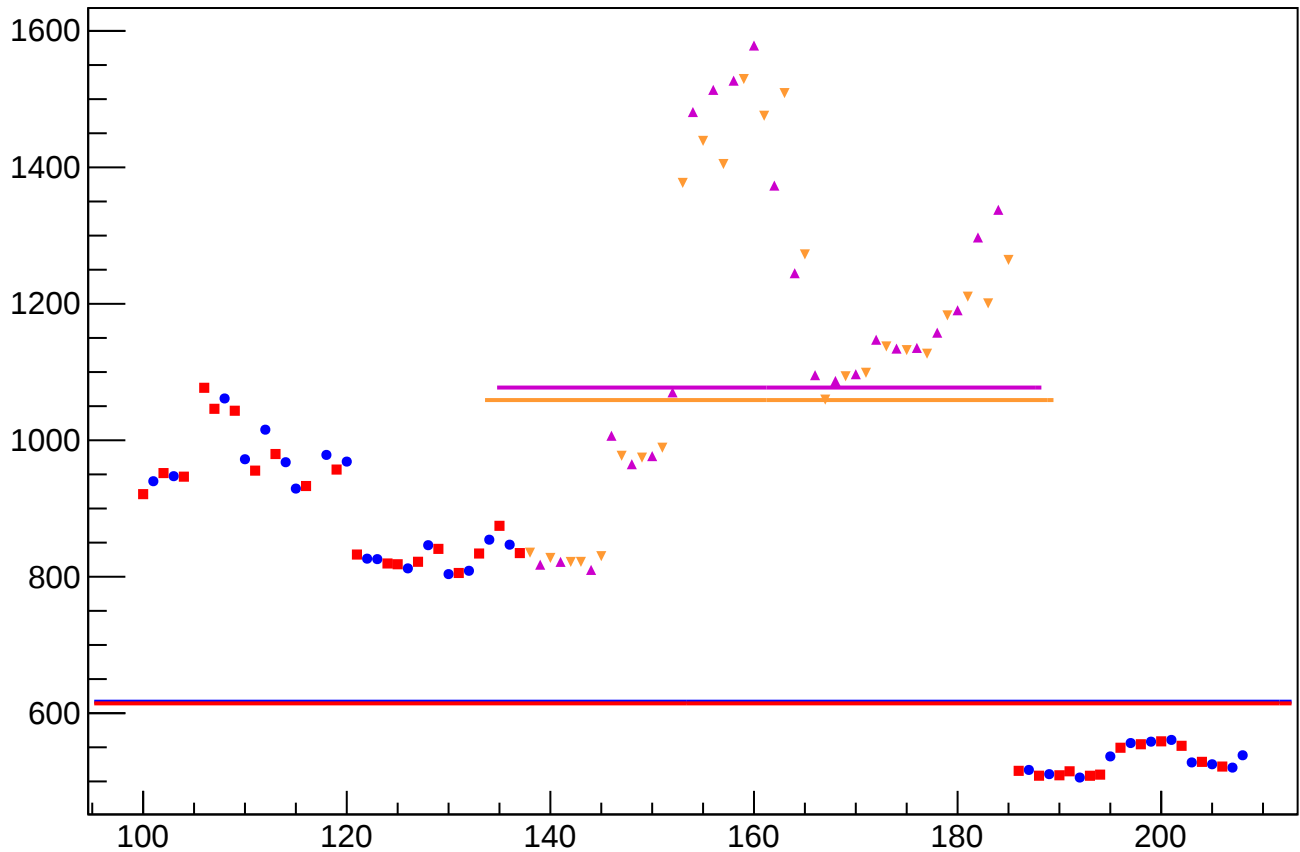
Left In: 2.461 ± 0.264 $\chi^2/\text{NDF}: 928.0/22$

+ sign 2.708 ± 0.139 $\chi^2/\text{NDF}: 1648.7/52$

All: 0.277 ± 0.098 $\chi^2/\text{NDF}: 4057.0/106$

- sign -2.135 ± 0.139 $\chi^2/\text{NDF}: 1802.5/53$

diff_bpm2i01X_rms vs Slug



Right In: 616.867 $\pm$ 0.118 χ^2 /NDF: 1772916.6/27

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

Right Out: 614.369 $\pm$ 0.115 χ^2 /NDF: 2007053.6/30

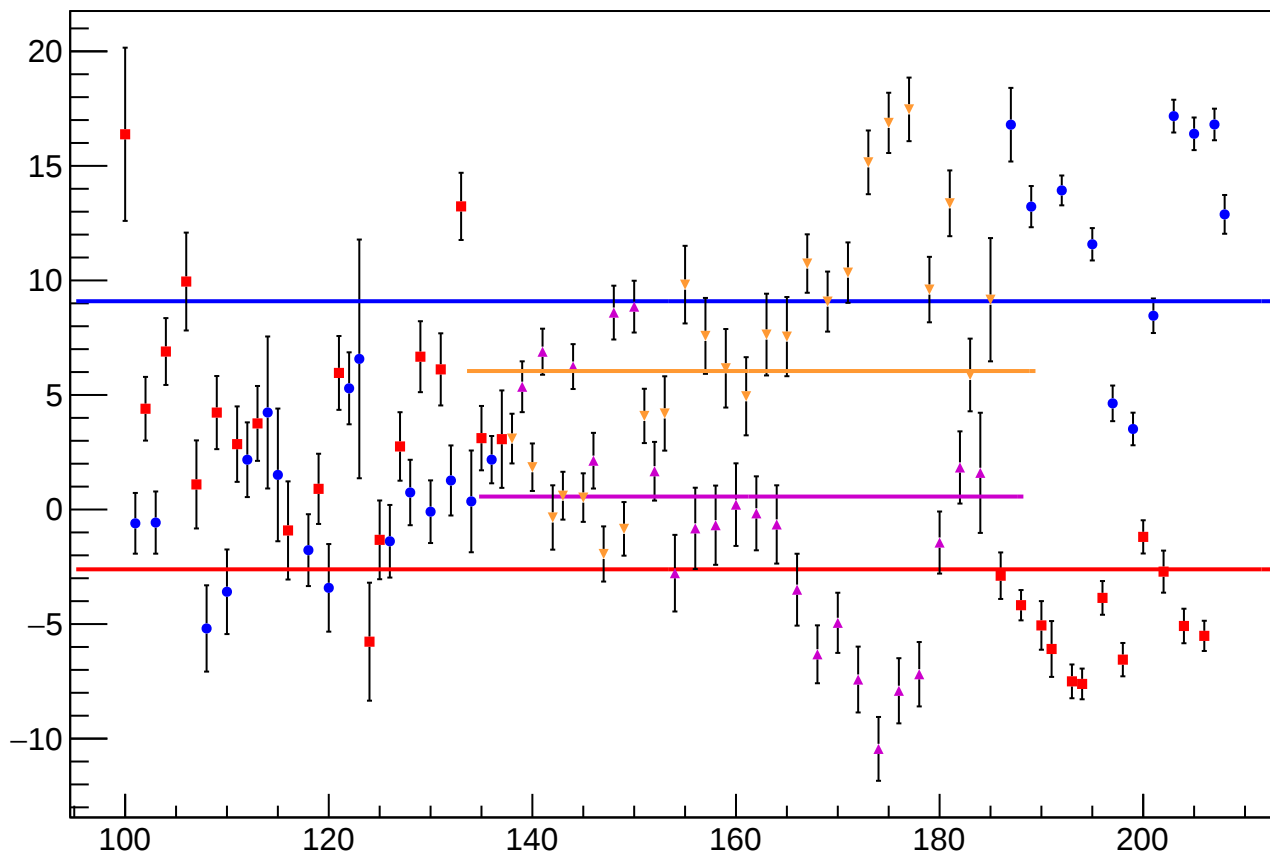
Left In: 1077.284 $\pm$ 0.187 χ^2 /NDF: 1280349.9/22

+ sign 751.916 $\pm$ 0.099 χ^2 /NDF: 7442160.2/52

All: 746.999 $\pm$ 0.070 χ^2 /NDF: 15174481.5/10

- sign 742.121 $\pm$ 0.098 χ^2 /NDF: 7727366.5/53

diff_bpm2i01Y_mean vs Slug



Right In: 9.092 ± 0.199 χ^2/NDF : 1127.3/27

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

Right Out: -2.611 ± 0.195 χ^2/NDF : 617.3/30

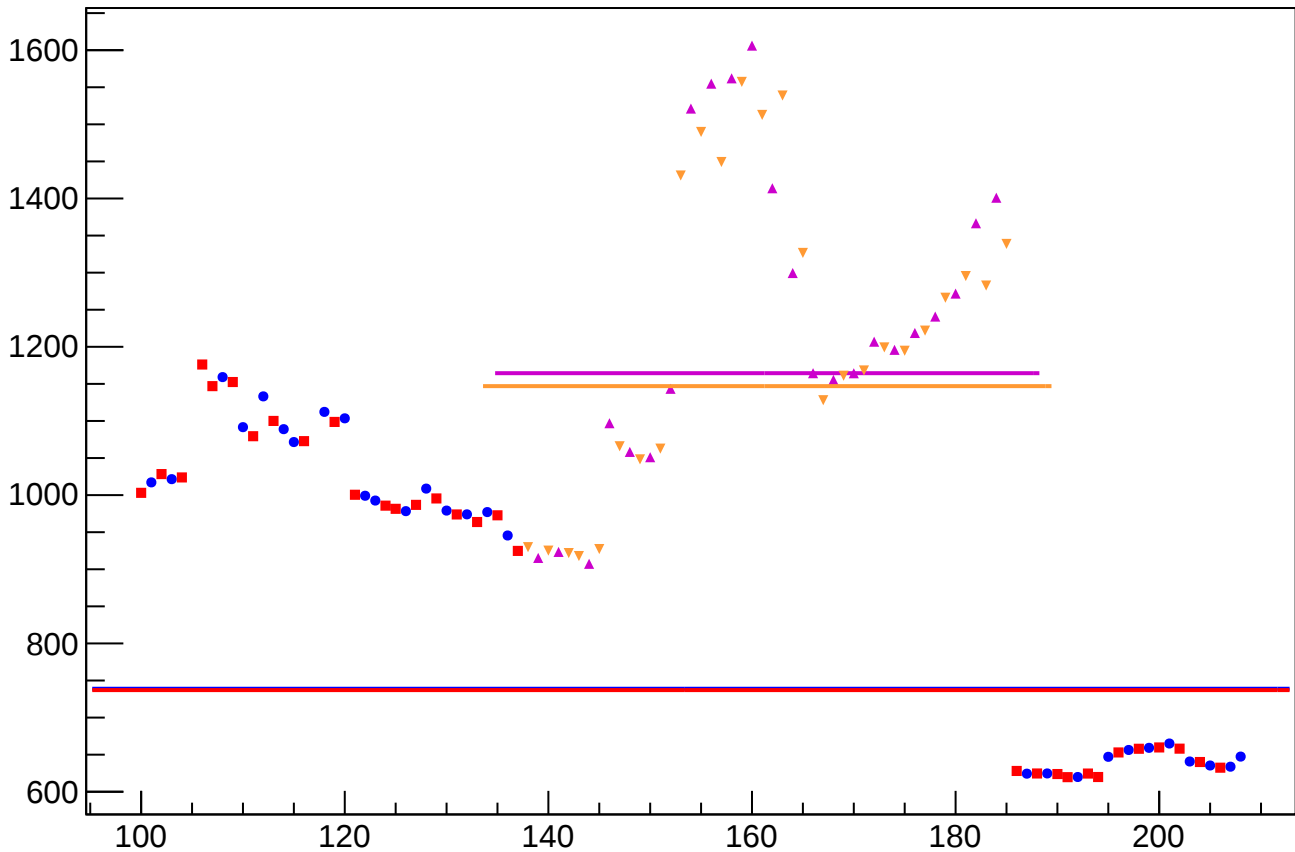
Left In: 0.566 ± 0.284 χ^2/NDF : 417.0/22

+ sign 8.027 ± 0.161 χ^2/NDF : 1640.0/52

All: 3.210 ± 0.114 χ^2/NDF : 4555.1/106

- sign -1.597 ± 0.161 χ^2/NDF : 1119.4/53

diff_bpm2i01Y_rms vs Slug



Right In: 738.883 $\pm$ 0.141 χ^2 /NDF: 1447667.0/27

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

Right Out: 737.061 $\pm$ 0.138 χ^2 /NDF: 1621336.2/30

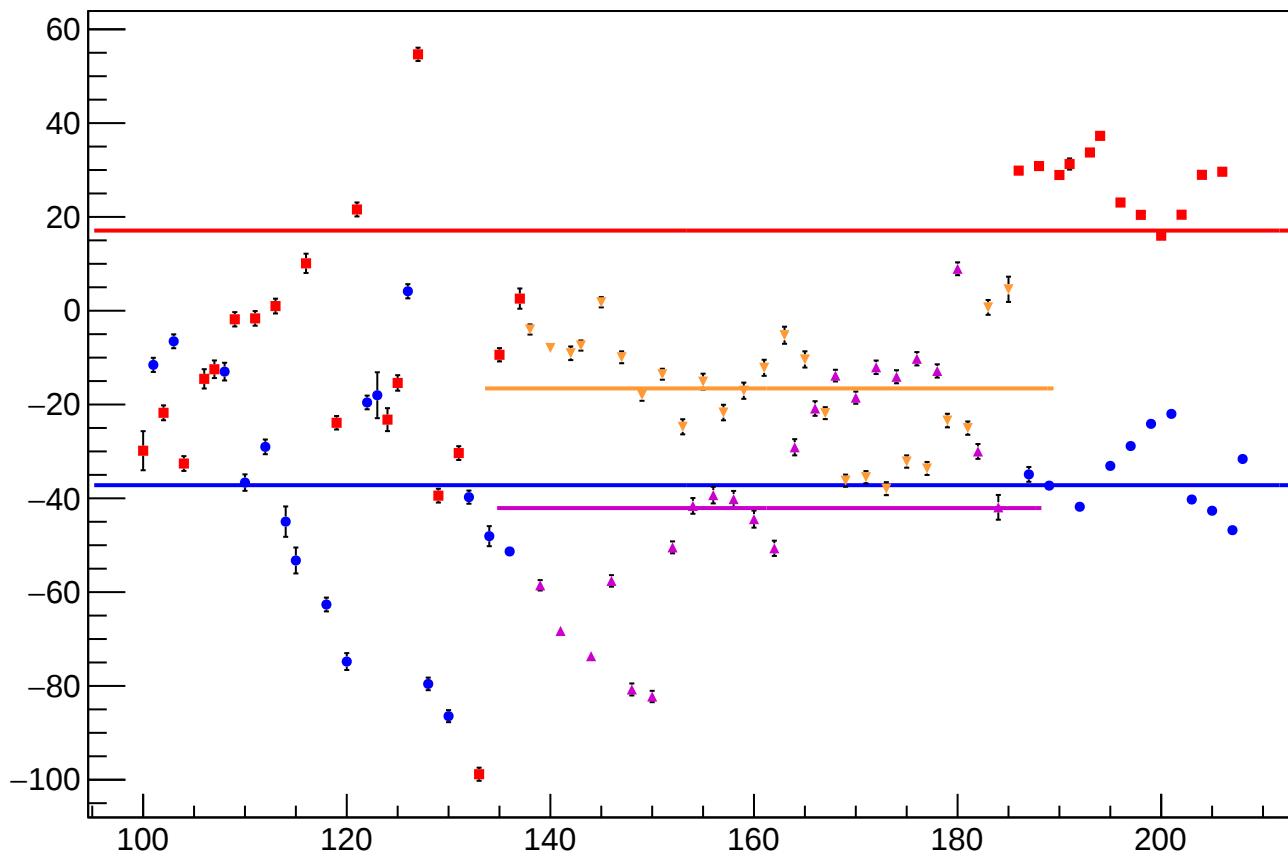
Left In: 1164.432 $\pm$ 0.201 χ^2 /NDF:944112.0/22

+ sign 881.602 $\pm$ 0.114 χ^2 /NDF: 5427807.9/52

All: 877.523 $\pm$ 0.080 χ^2 /NDF: 11076804.9/10

- sign 873.452 $\pm$ 0.113 χ^2 /NDF: 5646421.6/53

diff_bpm2i02X_mean vs Slug



Right In: -37.198 ± 0.196 $\chi^2/\text{NDF}: 6540.0/27$

Left Out: -16.567 ± 0.275 $\chi^2/\text{NDF}: 1931.2/24$

Right Out: 17.086 ± 0.191 $\chi^2/\text{NDF}: 17671.1/30$

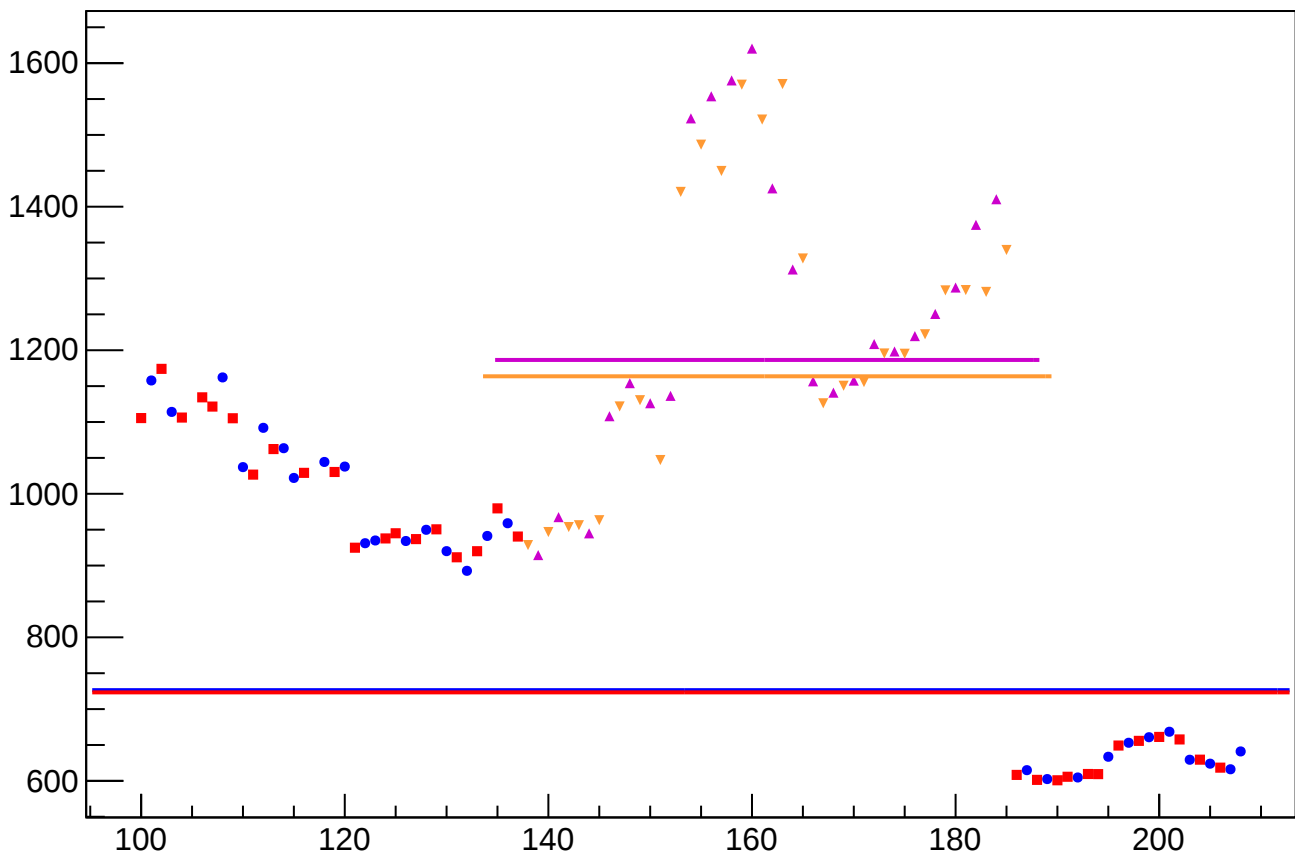
Left In: -42.077 ± 0.289 $\chi^2/\text{NDF}: 8332.3/22$

+ sign -30.262 ± 0.160 $\chi^2/\text{NDF}: 12200.1/52$

All: -15.542 ± 0.113 $\chi^2/\text{NDF}: 84345.8/106$

- sign -0.879 ± 0.159 $\chi^2/\text{NDF}: 55167.9/53$

diff_bpm2i02X_rms vs Slug



Right In: 726.402 $\pm$ 0.139 χ^2 /NDF: 1466899.5/27

Left Out: 1163.691 $\pm$ 0.195 χ^2 /NDF: 936079.1/24

Right Out: 723.306 $\pm$ 0.135 χ^2 /NDF: 1637779.1/30

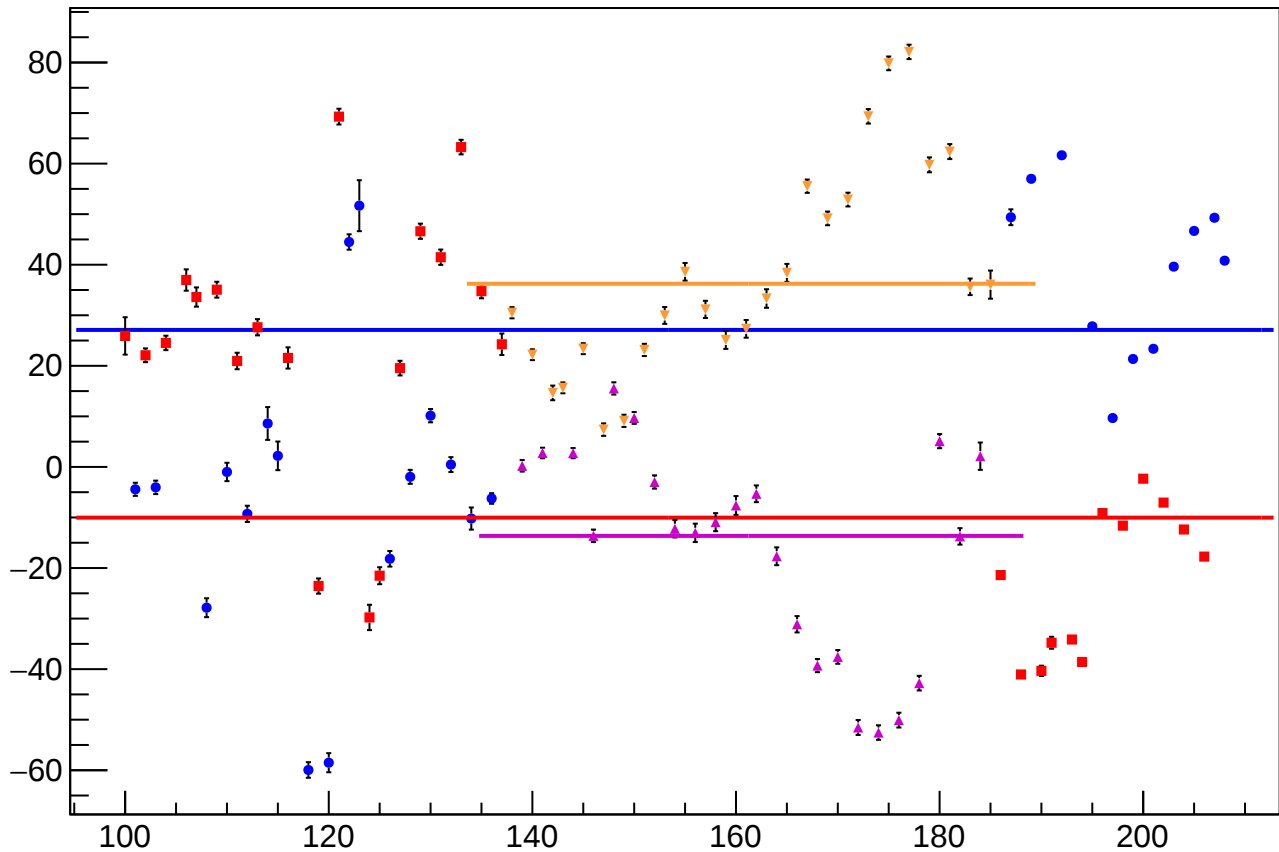
Left In: 1186.476 $\pm$ 0.204 χ^2 /NDF: 833420.3/22

+ sign 873.421 $\pm$ 0.113 χ^2 /NDF: 5753499.4/52

All: 868.676 $\pm$ 0.080 χ^2 /NDF: 11803122.3/10

- sign 863.949 $\pm$ 0.113 χ^2 /NDF: 6046094.2/53

diff_bpm2i02Y_mean vs Slug



Right In: 27.104 ± 0.194 $\chi^2/\text{NDF}: 18897.2/27$

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

Right Out: -10.035 ± 0.189 $\chi^2/\text{NDF}: 21040.9/30$

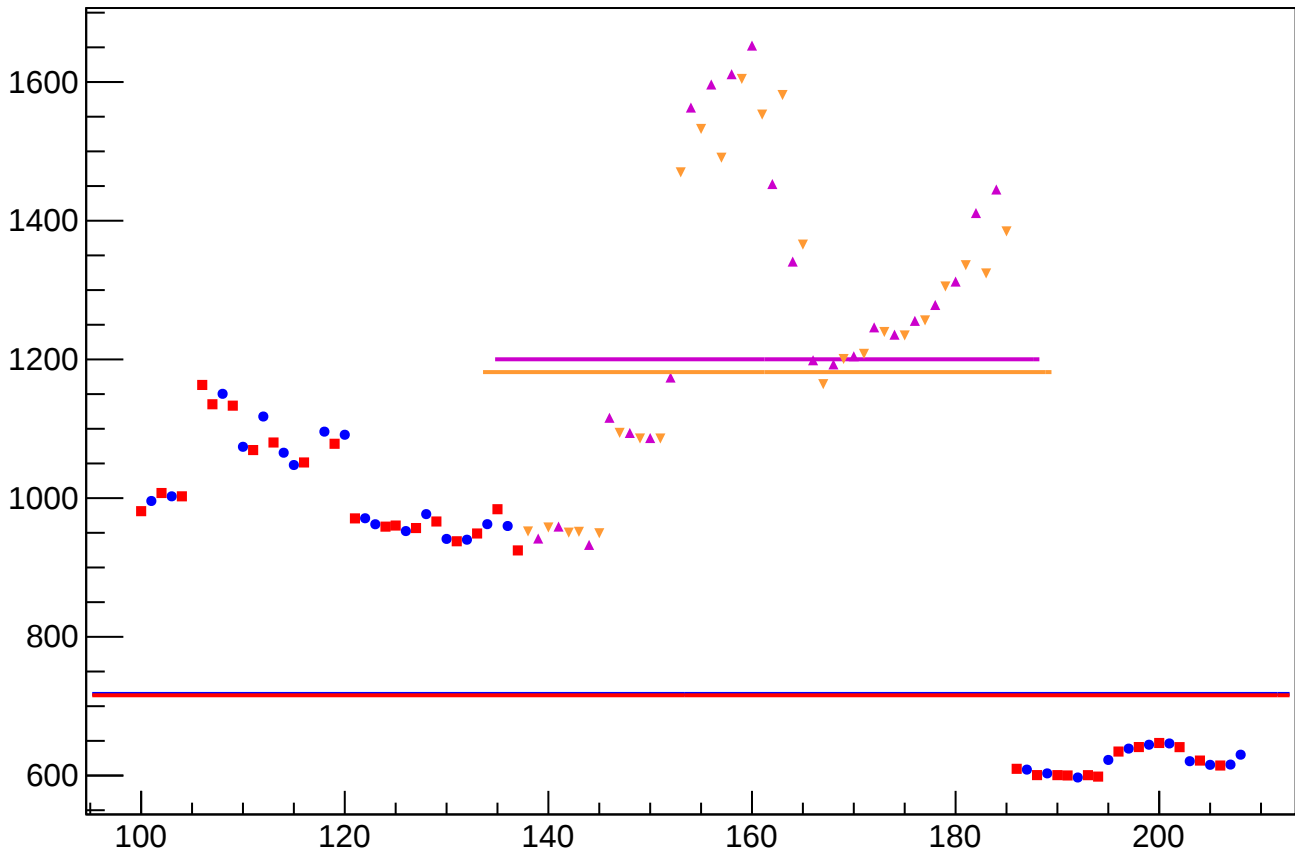
Left In: -13.640 ± 0.293 $\chi^2/\text{NDF}: 5178.0/22$

+ sign 30.062 ± 0.159 $\chi^2/\text{NDF}: 25410.9/52$

All: 9.427 ± 0.112 $\chi^2/\text{NDF}: 85206.6/106$

- sign -11.096 ± 0.159 $\chi^2/\text{NDF}: 26325.8/53$

diff_bpm2i02Y_rms vs Slug



Right In: 717.664 $\pm$ 0.137 χ^2 /NDF: 1523708.3/27

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

Right Out: 715.747 $\pm$ 0.134 χ^2 /NDF: 1702862.7/30

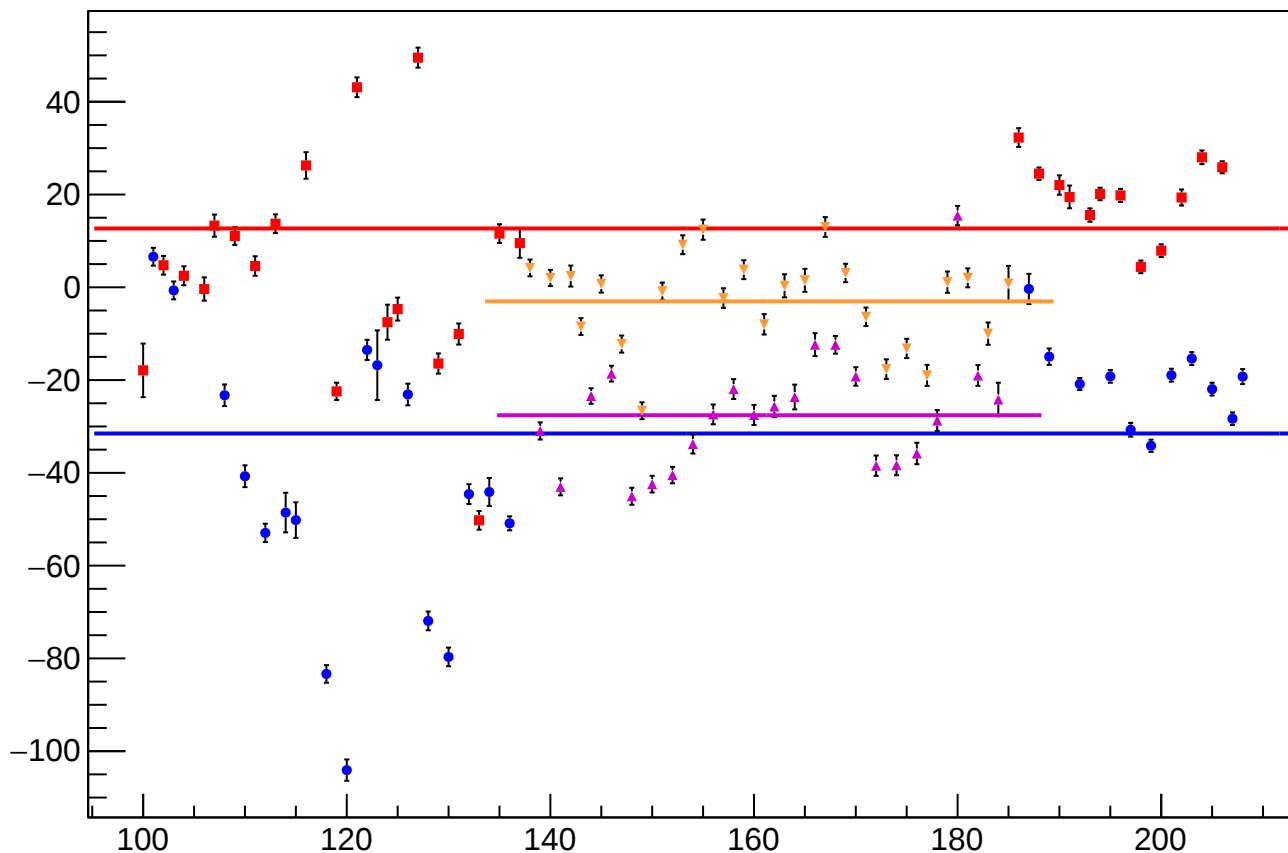
Left In: 1200.198 $\pm$ 0.207 χ^2 /NDF:938224.7/22

+ sign 867.997 $\pm$ 0.113 χ^2 /NDF: 6284721.1/52

All: 863.164 $\pm$ 0.080 χ^2 /NDF: 12792990.9/10

- sign 858.358 $\pm$ 0.112 χ^2 /NDF: 6504597.9/53

diff_bpm0i02X_mean vs Slug



Right In: -31.515 ± 0.344 χ^2/NDF : 4509.4/27

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

Right Out: 12.684 ± 0.336 χ^2/NDF : 2851.1/30

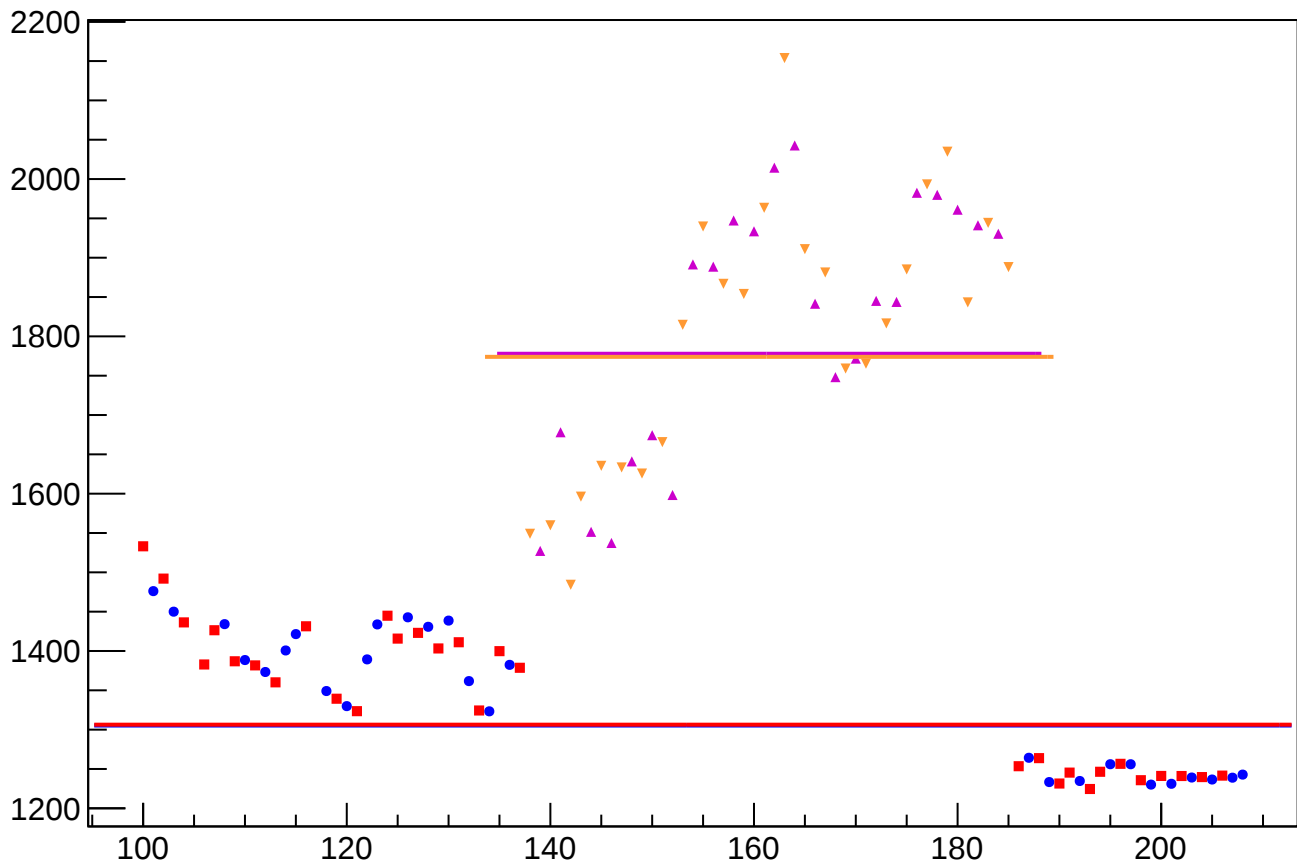
Left In: -27.583 ± 0.429 χ^2/NDF : 960.1/22

+ sign -19.936 ± 0.265 χ^2/NDF : 7858.3/52

All: -11.279 ± 0.187 χ^2/NDF : 19267.2/106

- sign -2.629 ± 0.265 χ^2/NDF : 9270.2/53

diff_bpm0i02X_rms vs Slug



Right In: 1305.242 $\pm$ 0.243 χ^2 /NDF: 119521.1/27

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

Right Out: 1306.320 $\pm$ 0.238 χ^2 /NDF: 115092.8/30

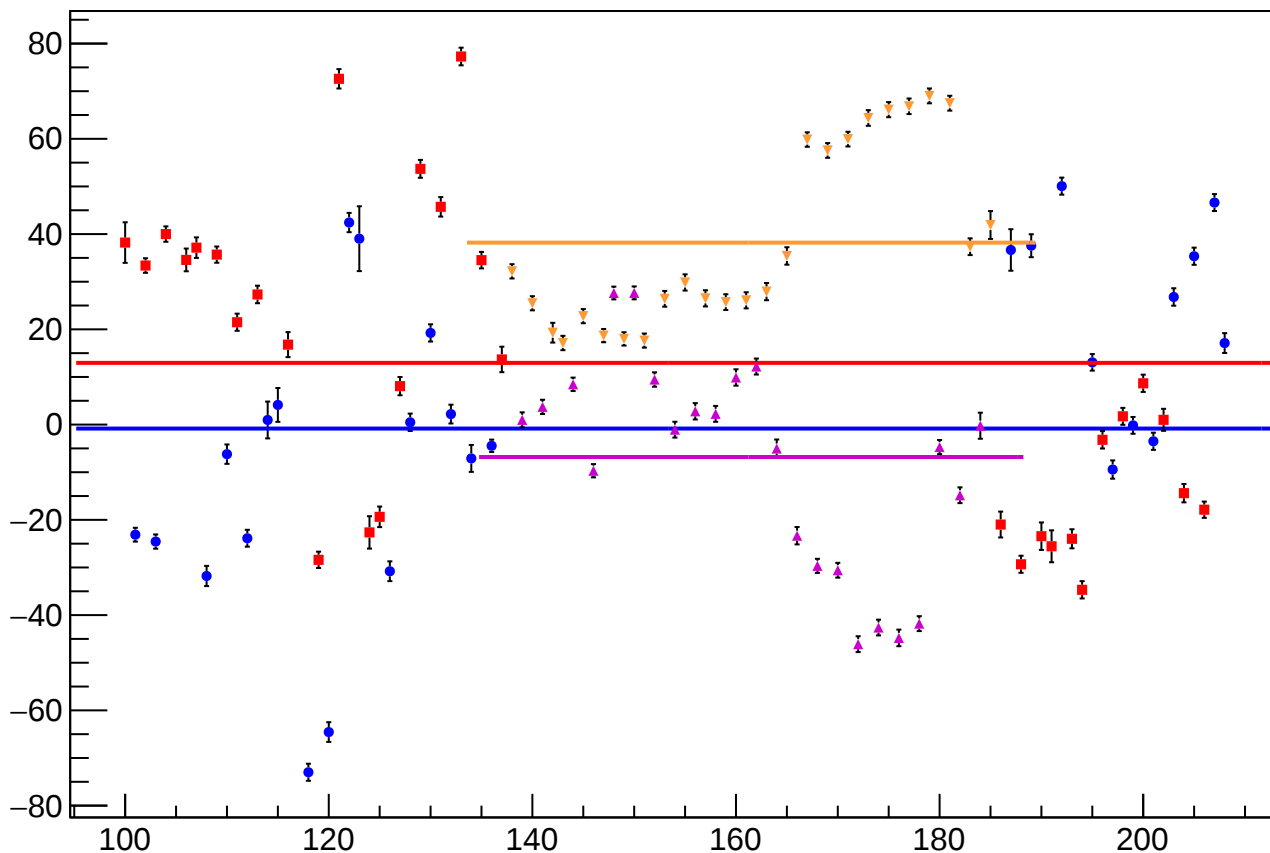
Left In: 1777.884 $\pm$ 0.303 χ^2 /NDF: 299514.0/22

+ sign 1495.827 $\pm$ 0.187 χ^2 /NDF: 1945888.5/52

All: 1490.736 $\pm$ 0.132 χ^2 /NDF: 3859371.6/10

- sign 1485.650 $\pm$ 0.187 χ^2 /NDF: 1912004.2/53

diff_bpm0i02Y_mean vs Slug



Right In: -0.833 ± 0.368 χ^2/NDF : 6921.4/27

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

Right Out: 12.961 ± 0.360 χ^2/NDF : 7541.1/30

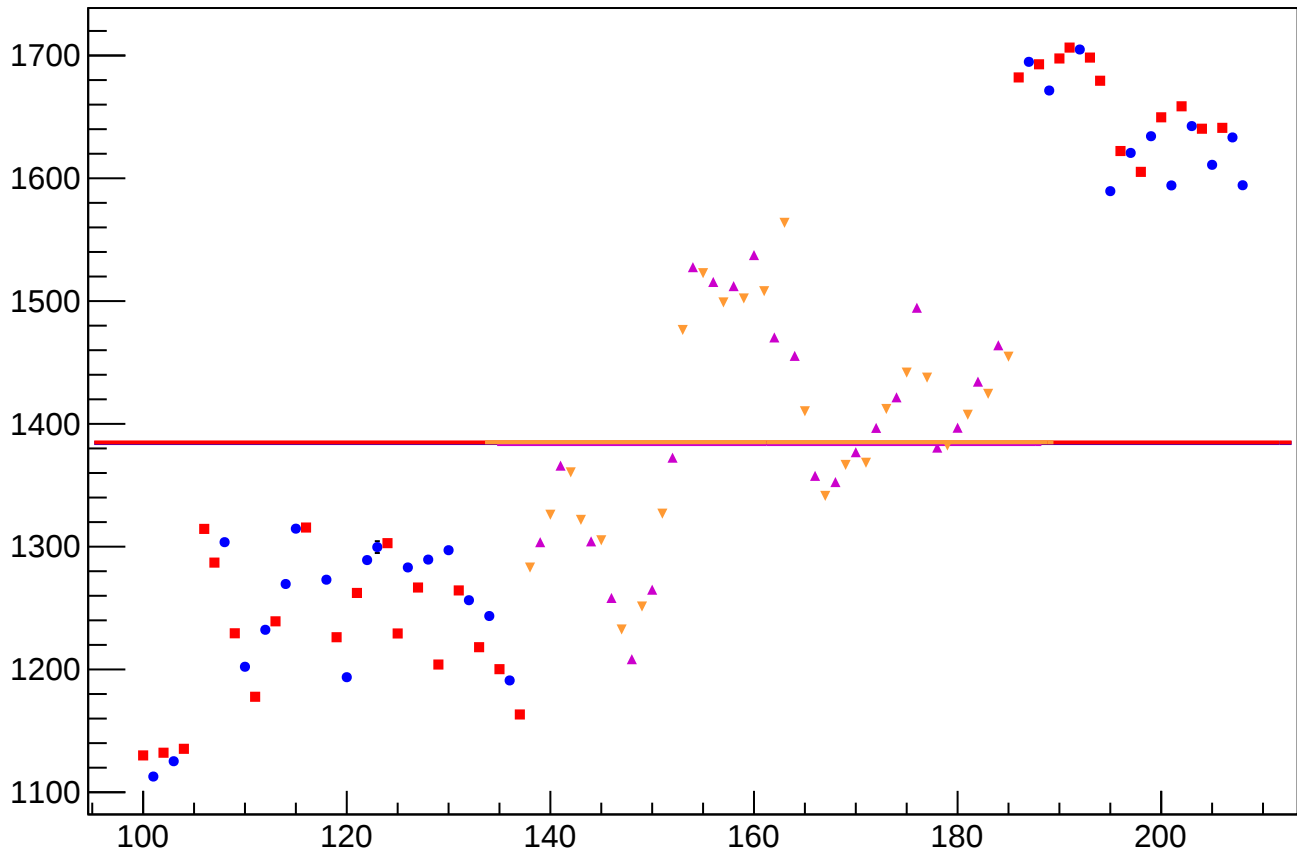
Left In: -6.808 ± 0.333 χ^2/NDF : 4494.5/22

+ sign 21.187 ± 0.243 χ^2/NDF : 16789.4/52

All: 11.808 ± 0.172 χ^2/NDF : 33452.4/106

- sign 2.307 ± 0.244 χ^2/NDF : 13660.9/53

diff_bpm0i02Y_rms vs Slug



Right In: 1384.390+/-0.260 χ^2/NDF : 627018.2/27

Left Out: 1385.063+/-0.229 χ^2/NDF : 146001.5/24

Right Out: 1384.871+/-0.255 χ^2/NDF : 735483.5/30

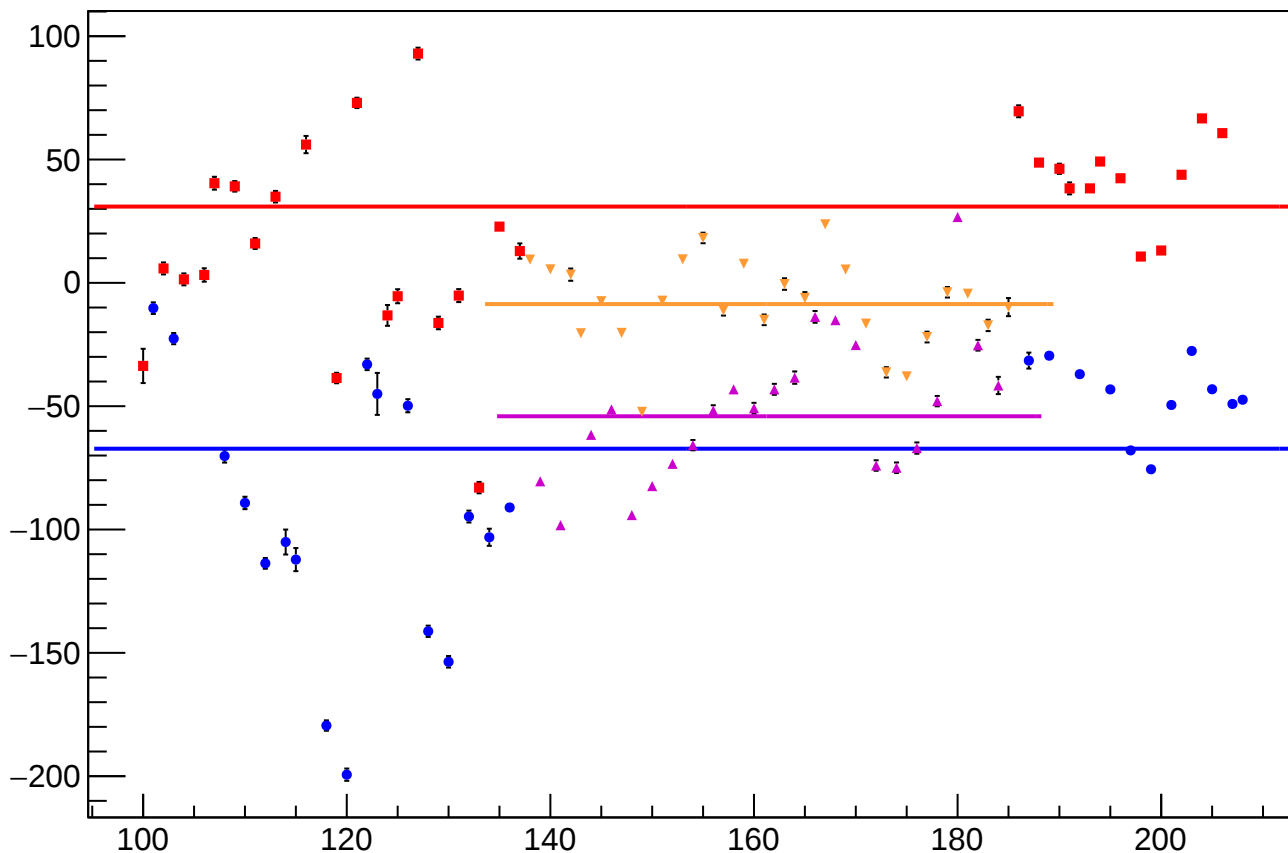
Left In: 1383.558+/-0.235 χ^2/NDF : 154696.0/22

+ sign 1384.770+/-0.172 χ^2/NDF : 773023.5/52

All: 1384.468+/-0.122 χ^2/NDF : 1663223.4/10

- sign 1384.163+/-0.173 χ^2/NDF : 890193.8/53

diff_bpm0i02aX_mean vs Slug



Right In: -67.236 ± 0.384 $\chi^2/\text{NDF}: 13049.1/27$

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

Right Out: 30.923 ± 0.370 $\chi^2/\text{NDF}: 7895.7/30$

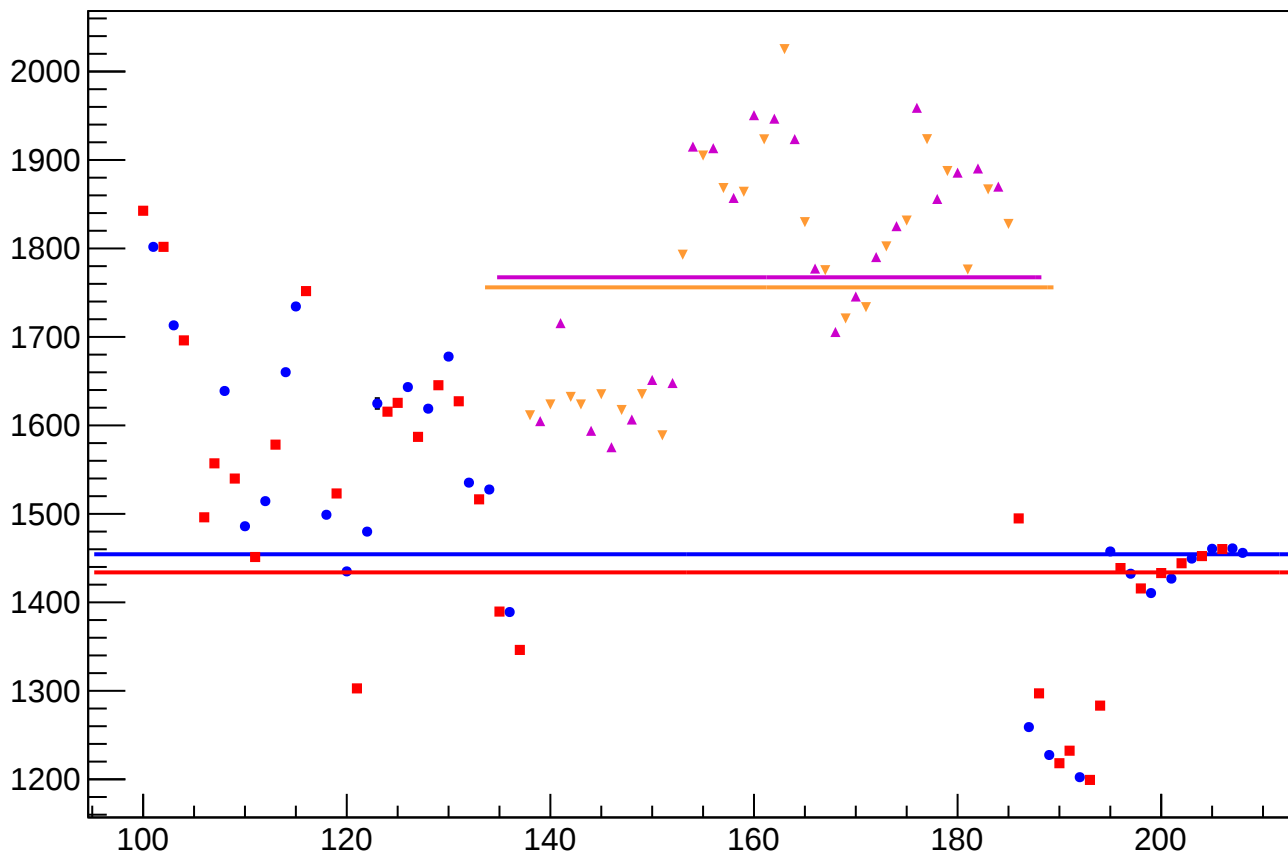
Left In: -54.089 ± 0.426 $\chi^2/\text{NDF}: 4721.6/22$

+ sign -39.865 ± 0.280 $\chi^2/\text{NDF}: 25870.6/52$

All: -22.706 ± 0.198 $\chi^2/\text{NDF}: 68674.3/106$

- sign -5.673 ± 0.279 $\chi^2/\text{NDF}: 35336.0/53$

diff_bpm0i02aX_rms vs Slug



Right In: 1454.357 $\pm$ 0.271 χ^2 /NDF: 261572.0/27

Left Out: 1756.034 $\pm$ 0.290 χ^2 /NDF: 175762.3/24

Right Out: 1433.870 $\pm$ 0.262 χ^2 /NDF: 308738.2/30

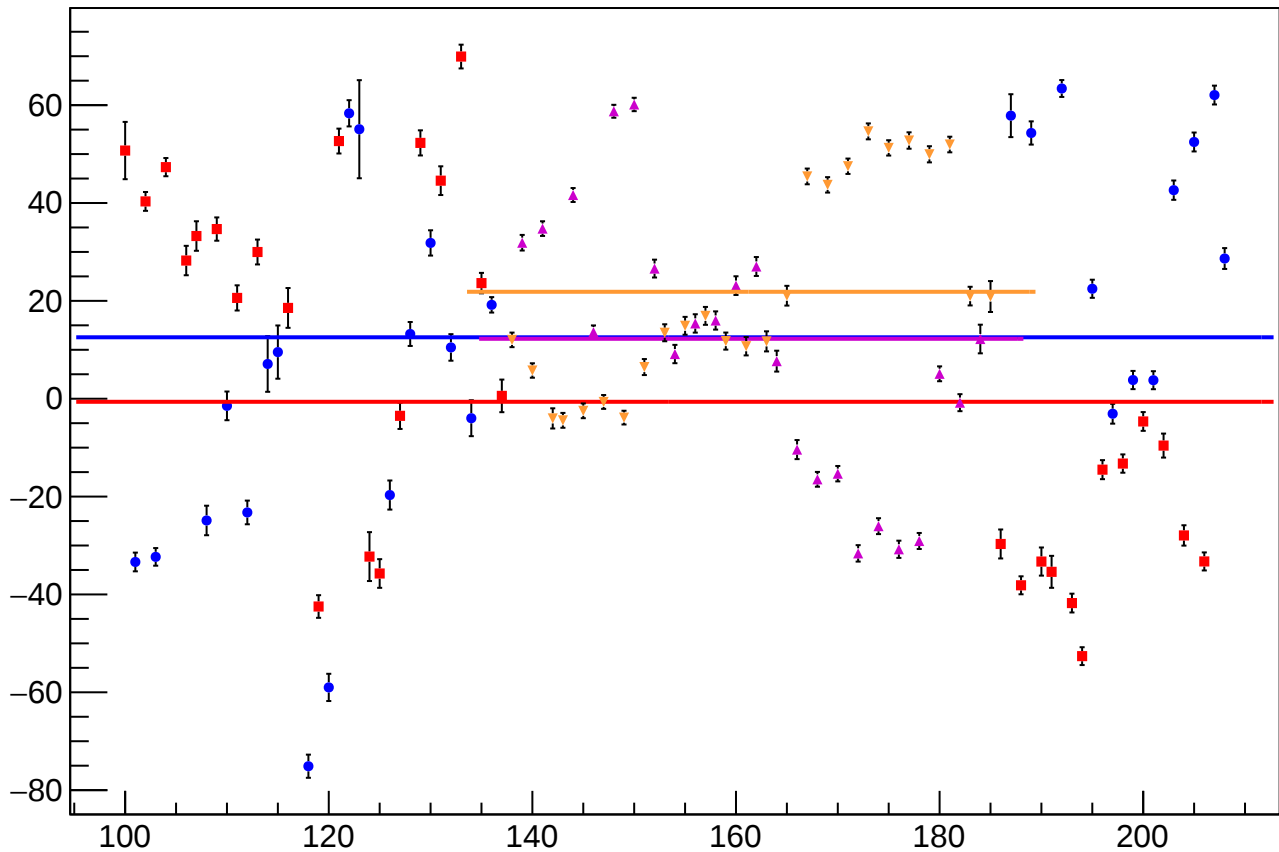
Left In: 1767.410 $\pm$ 0.301 χ^2 /NDF: 187958.2/22

+ sign 1595.194 $\pm$ 0.198 χ^2 /NDF: 1014012.6/52

All: 1586.291 $\pm$ 0.140 χ^2 /NDF: 2214171.9/10

- sign 1577.453 $\pm$ 0.197 χ^2 /NDF: 1196138.7/53

diff_bpm0i02aY_mean vs Slug



Right In: 12.555+/-0.437 χ^2 /NDF: 6940.8/27

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

Right Out: -0.628+/-0.428 χ^2 /NDF: 7085.8/30

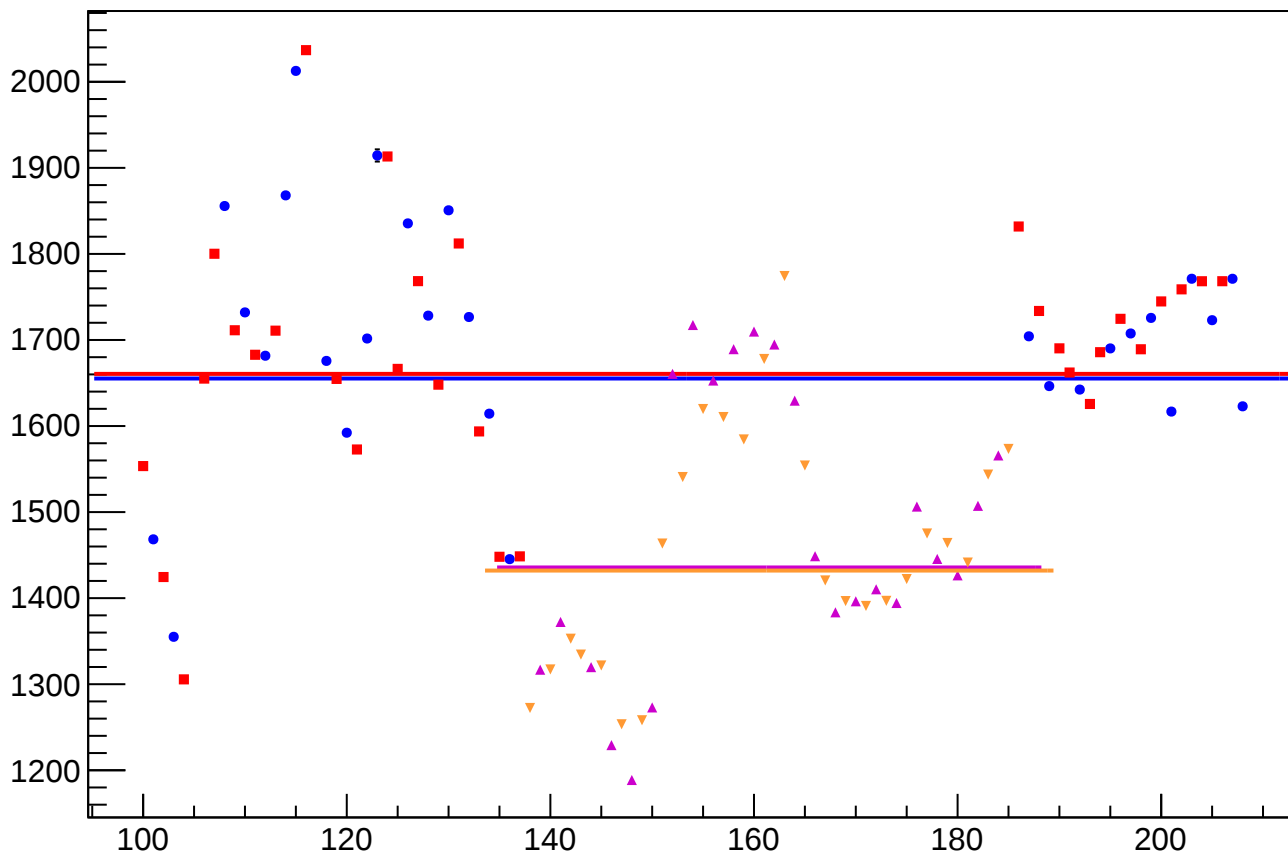
Left In: 12.246+/-0.347 χ^2 /NDF:6781.6/22

+ sign 18.408+/-0.266 χ^2 /NDF: 11336.5/52

All: 12.850+/-0.189 χ^2 /NDF: 26634.5/106

- sign 7.141+/-0.270 χ^2 /NDF: 14413.0/53

diff_bpm0i02aY_rms vs Slug



Right In: 1655.222 $\pm$ 0.309 χ^2 /NDF: 180379.6/27

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

Right Out: 1660.595 $\pm$ 0.303 χ^2 /NDF: 206134.3/30

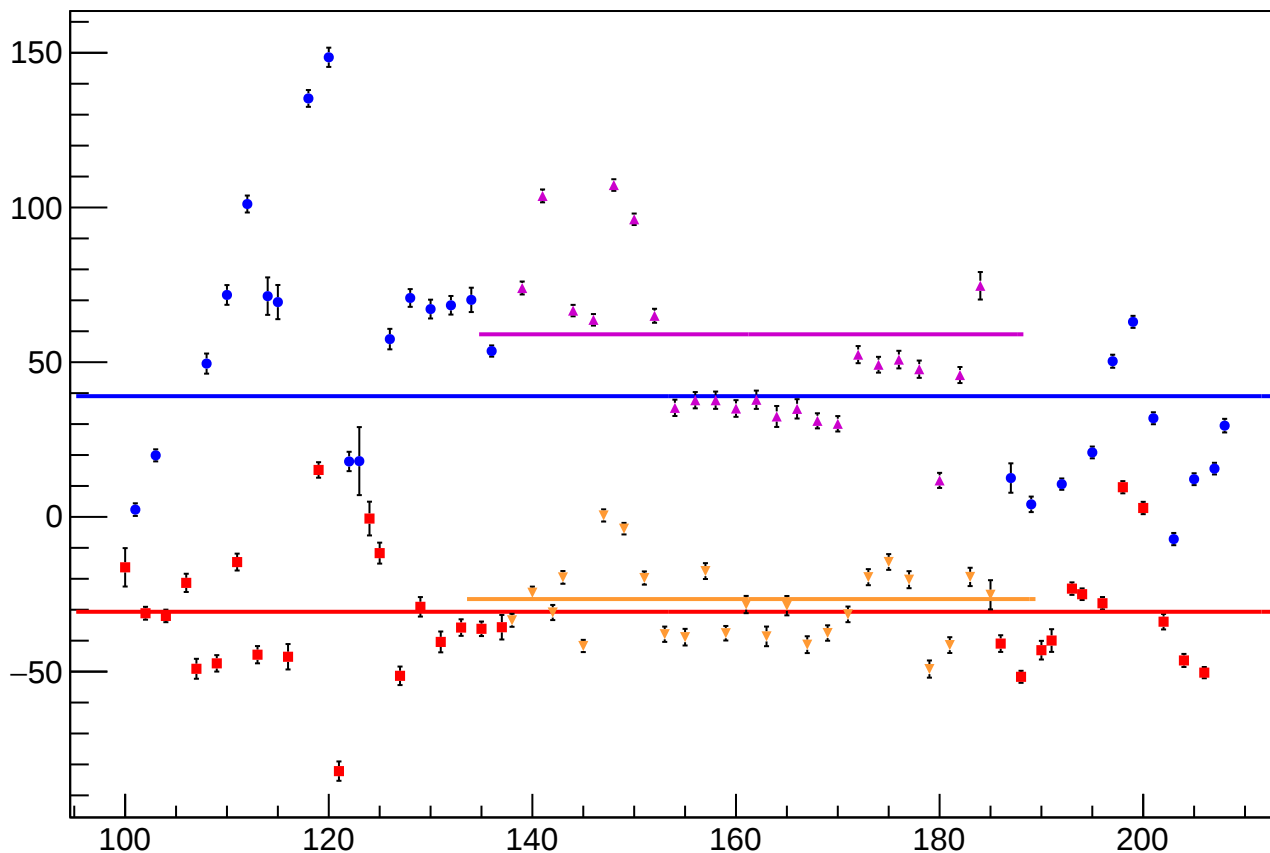
Left In: 1435.645 $\pm$ 0.245 χ^2 /NDF: 420835.0/22

+ sign 1514.786 $\pm$ 0.188 χ^2 /NDF: 806122.9/52

All: 1519.746 $\pm$ 0.134 χ^2 /NDF: 1767676.5/10

- sign 1524.841 $\pm$ 0.191 χ^2 /NDF: 960143.8/53

diff_bpm0i05X_mean vs Slug



Right In: 39.022 ± 0.467 χ^2/NDF : 5776.4/27

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

Right Out: -30.661 ± 0.456 χ^2/NDF : 1948.8/30

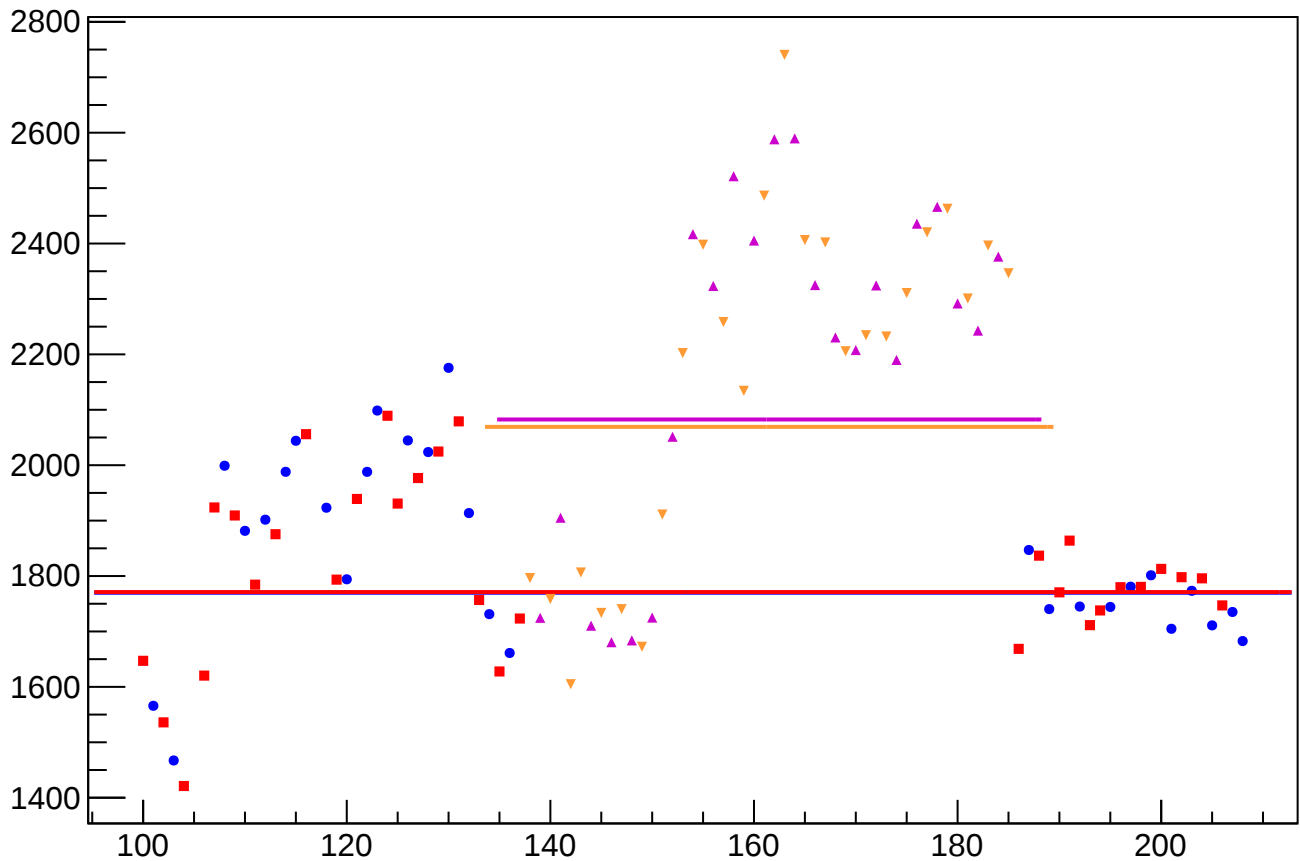
Left In: 59.014 ± 0.506 χ^2/NDF : 2783.8/22

+ sign 7.662 ± 0.337 χ^2/NDF : 15920.9/52

All: 8.588 ± 0.239 χ^2/NDF : 37973.4/106

- sign 9.524 ± 0.339 χ^2/NDF : 22037.3/53

diff_bpm0i05X_rms vs Slug



Right In: 1769.911 $\pm$ 0.330 χ^2 /NDF: 197816.9/27

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

Right Out: 1771.058 $\pm$ 0.323 χ^2 /NDF: 188462.5/30

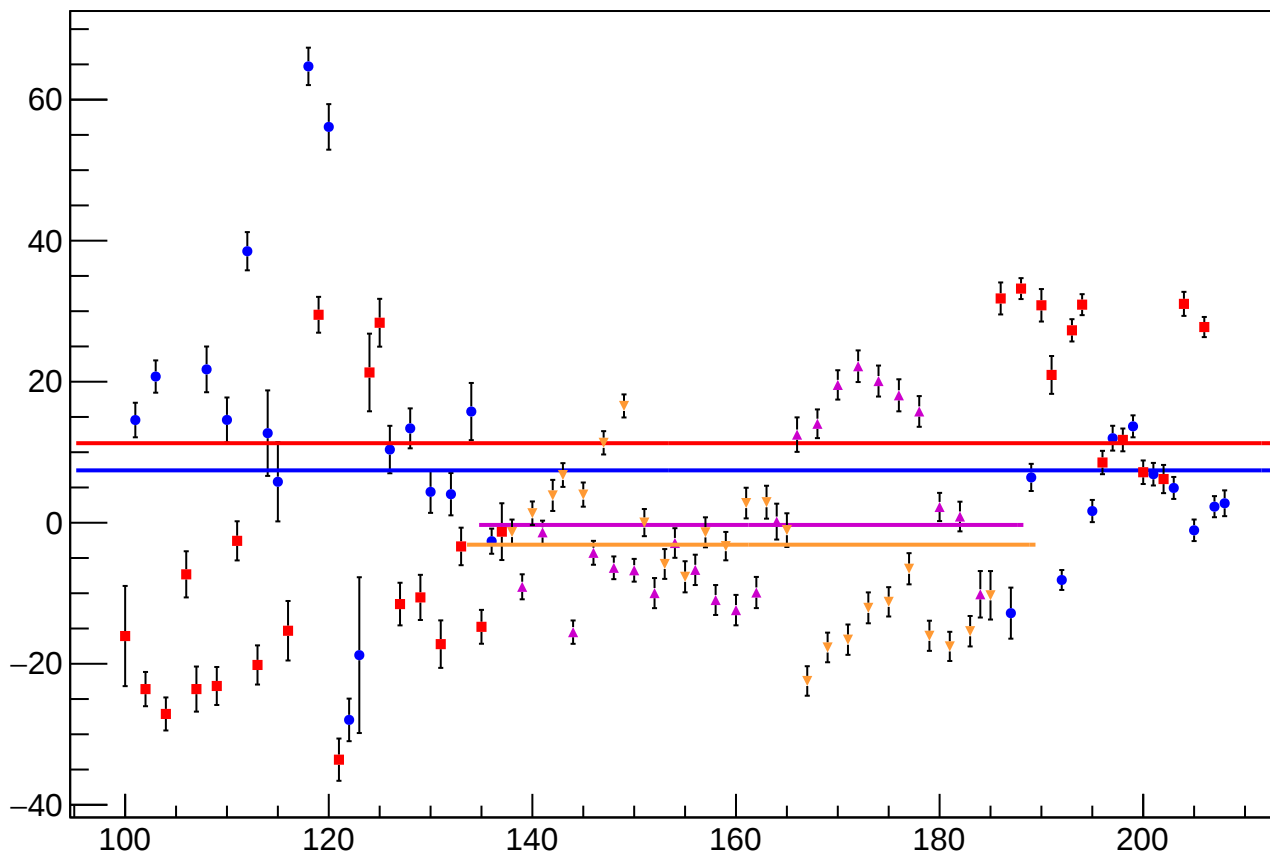
Left In: 2082.497 $\pm$ 0.358 χ^2 /NDF: 785304.0/22

+ sign 1913.013 $\pm$ 0.239 χ^2 /NDF: 1389449.5/52

All: 1911.822 $\pm$ 0.169 χ^2 /NDF: 2780706.7/10

- sign 1910.620 $\pm$ 0.240 χ^2 /NDF: 1391207.1/53

diff_bpm0i05Y_mean vs Slug



Right In: 7.427 ± 0.413 $\chi^2/\text{NDF}: 1320.4/27$

Left Out: -3.112 ± 0.404 $\chi^2/\text{NDF}: 643.7/24$

Right Out: 11.281 ± 0.405 $\chi^2/\text{NDF}: 2579.2/30$

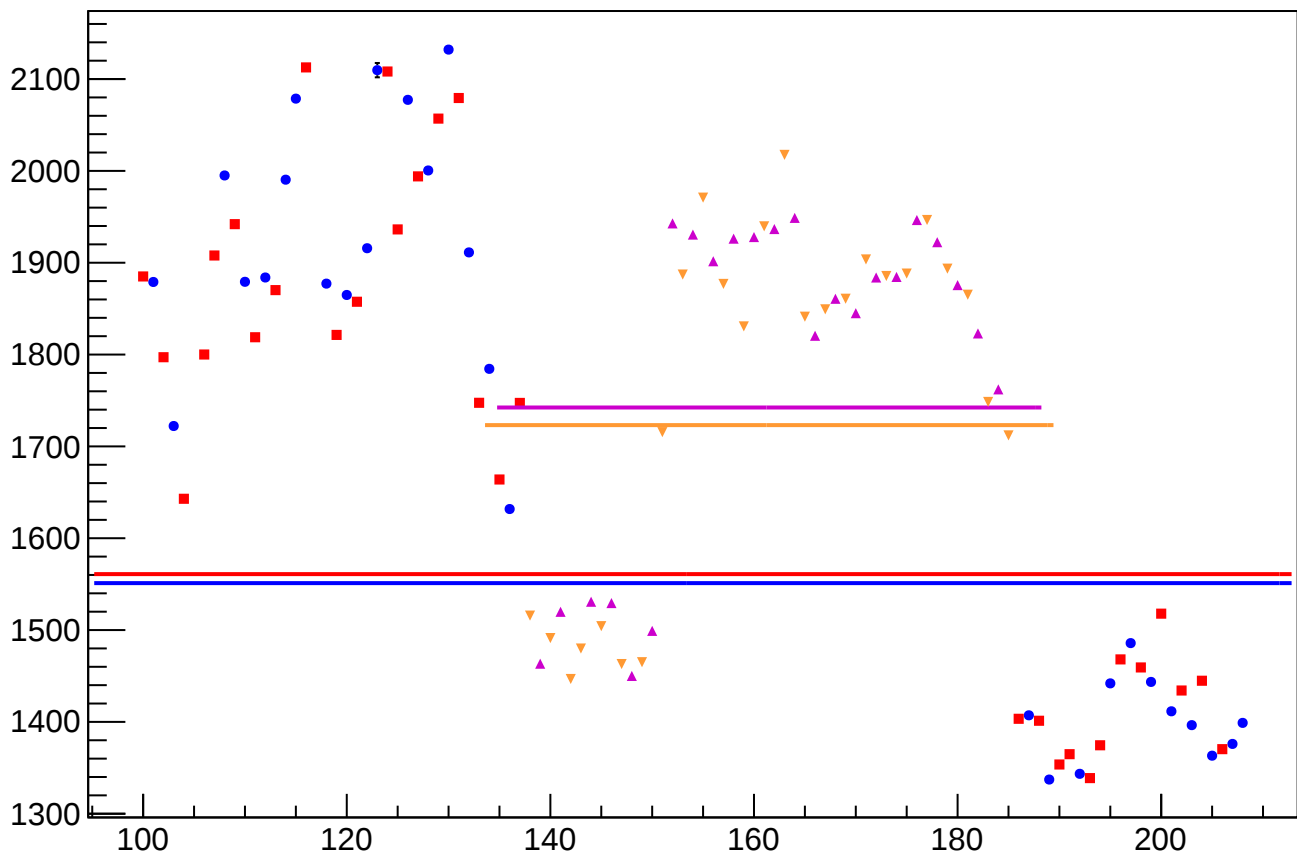
Left In: -0.312 ± 0.421 $\chi^2/\text{NDF}: 736.5/22$

+ sign 2.050 ± 0.289 $\chi^2/\text{NDF}: 2297.1/52$

All: 3.859 ± 0.205 $\chi^2/\text{NDF}: 6085.7/106$

- sign 5.708 ± 0.292 $\chi^2/\text{NDF}: 3709.3/53$

diff_bpm0i05Y_rms vs Slug



Right In: 1551.113 $\pm$ 0.292 χ^2 /NDF: 661757.5/27

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

Right Out: 1560.924 $\pm$ 0.286 χ^2 /NDF: 614272.2/30

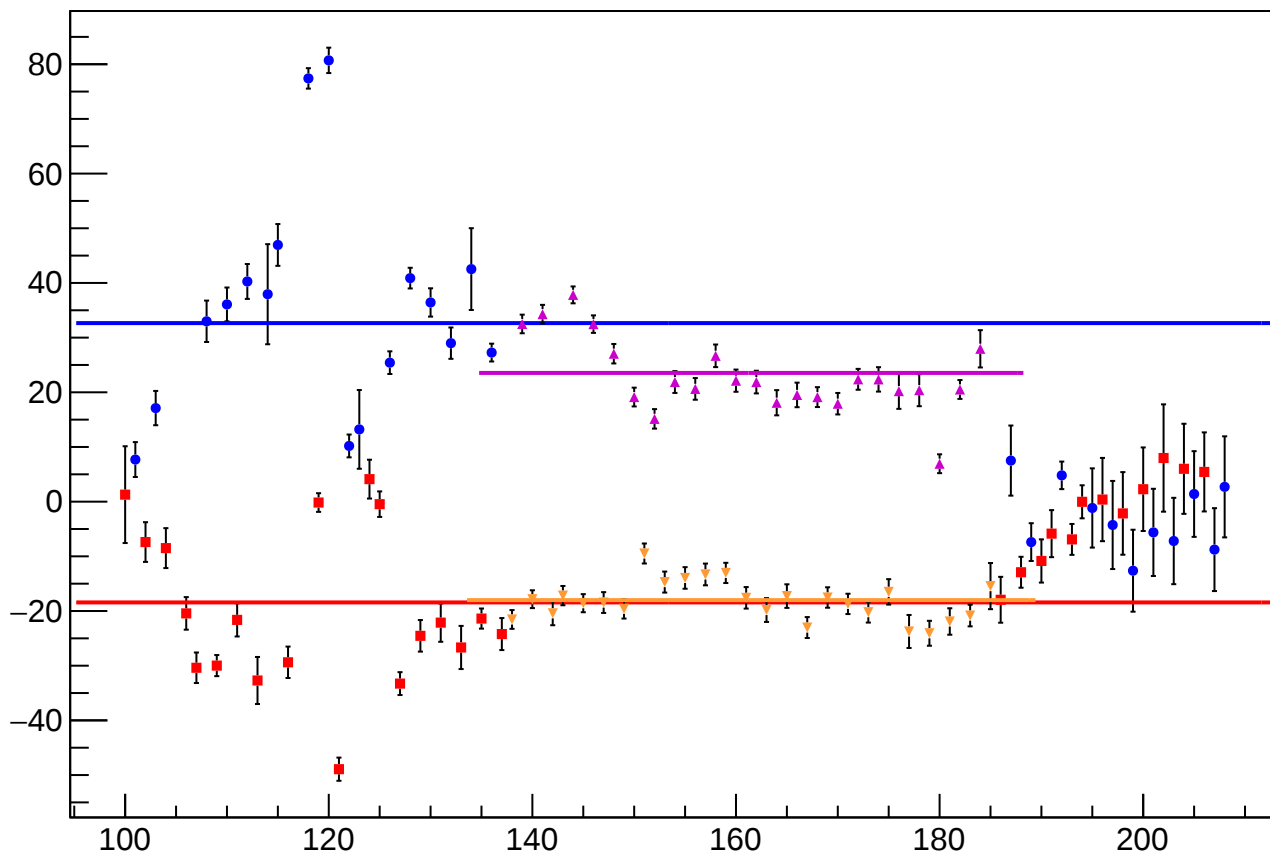
Left In: 1742.354 $\pm$ 0.298 χ^2 /NDF: 435841.5/22

+ sign 1638.887 $\pm$ 0.204 χ^2 /NDF: 1316679.1/52

All: 1643.459 $\pm$ 0.145 χ^2 /NDF: 2560627.9/10

- sign 1648.134 $\pm$ 0.206 χ^2 /NDF: 1242934.5/53

diff_bpm0i07X_mean vs Slug



Right In: 32.656 $\pm$ 0.593 χ^2 /NDF: 1734.8/27

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

Right Out: -18.429 $\pm$ 0.549 χ^2 /NDF: 705.2/30

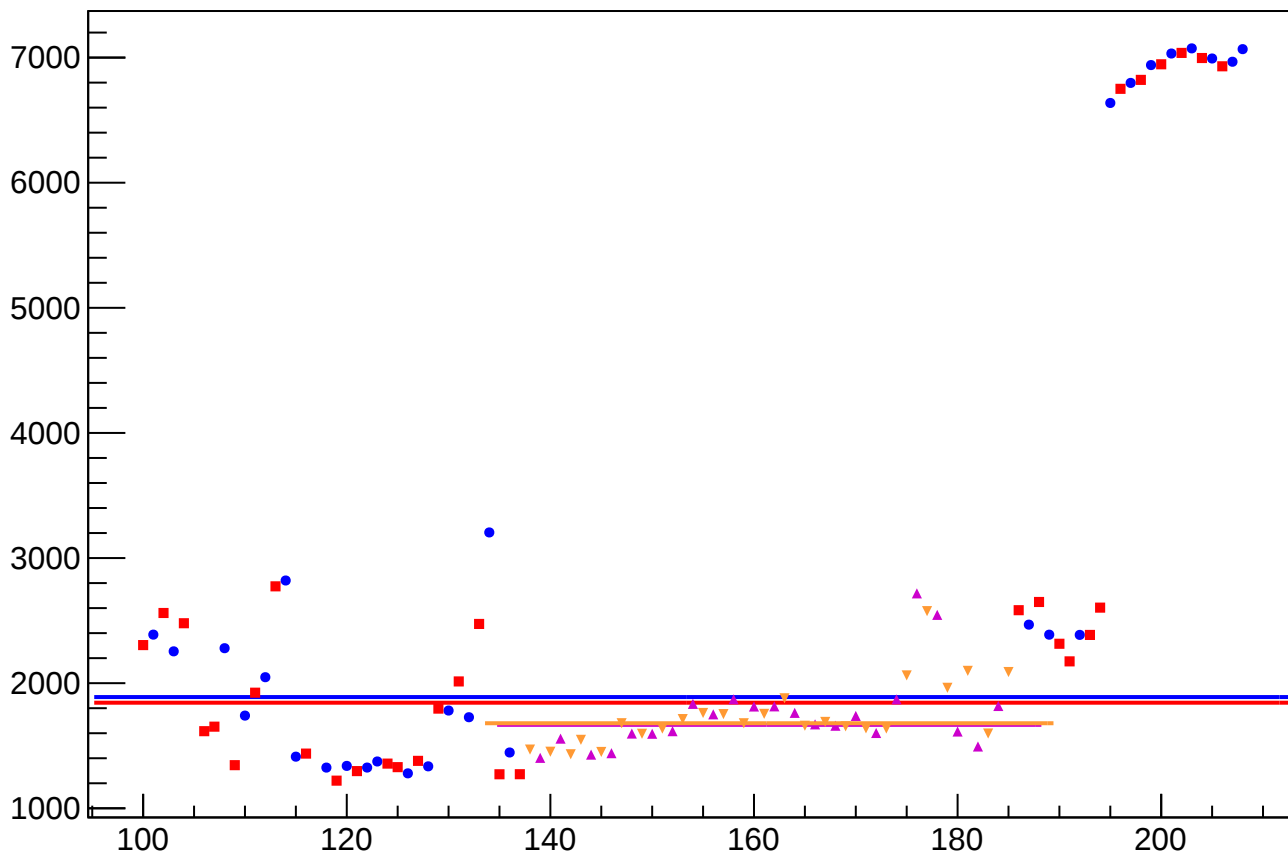
Left In: 23.544 $\pm$ 0.406 χ^2 /NDF: 346.7/22

+ sign -2.336 $\pm$ 0.330 χ^2 /NDF: 6854.1/52

All: 3.245 $\pm$ 0.232 χ^2 /NDF: 12257.4/106

- sign 8.708 $\pm$ 0.326 χ^2 /NDF: 4836.2/53

diff_bpm0i07X_rms vs Slug



Right In: 1889.013+/-0.419 χ^2/NDF : 7885972.7/27

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

Right Out: 1843.953+/-0.388 χ^2/NDF : 6779905.0/30

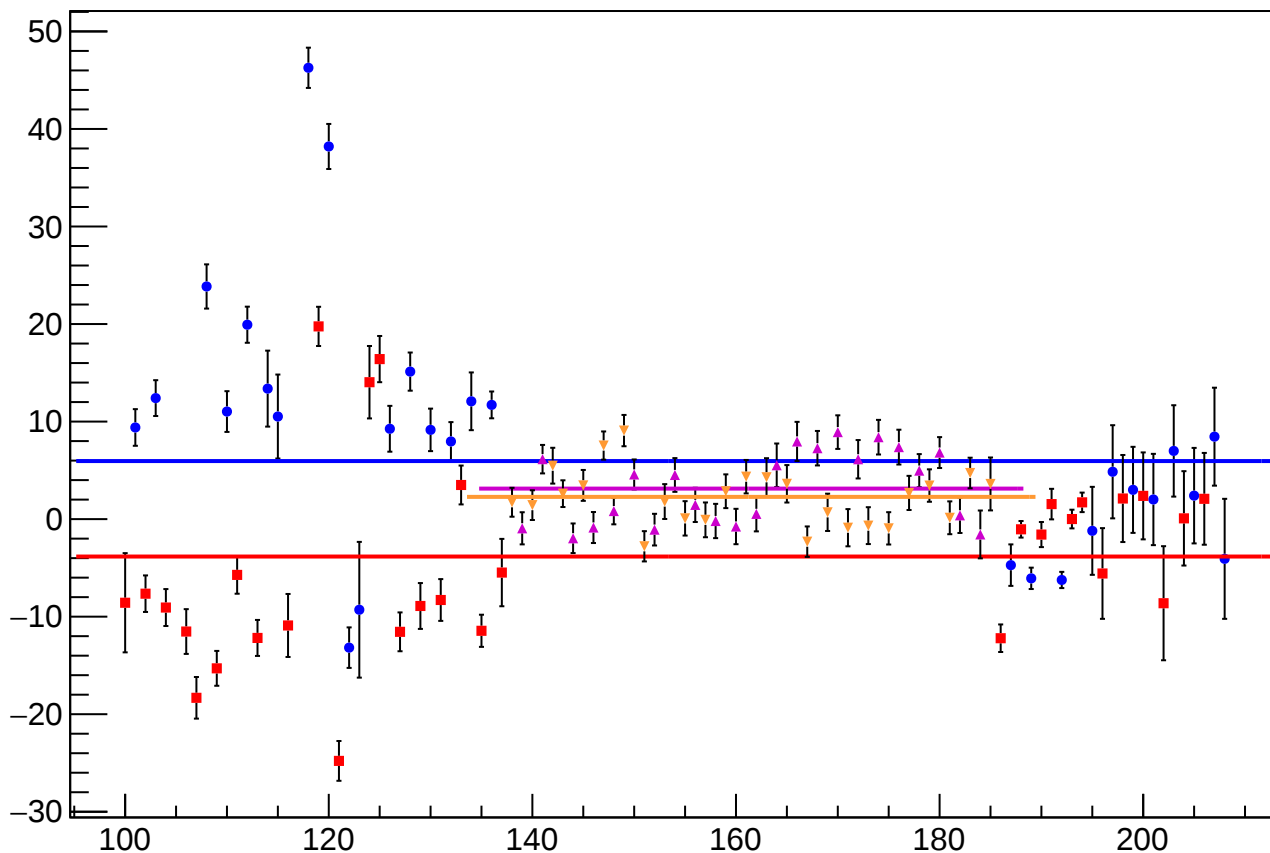
Left In: 1666.819+/-0.287 χ^2/NDF : 650990.8/22

+ sign 1744.527+/-0.233 χ^2/NDF : 8580824.6/52

All: 1736.897+/-0.164 χ^2/NDF : 16148631.1/100

- sign 1729.429+/-0.231 χ^2/NDF : 7565687.0/53

diff_bpm0i07Y_mean vs Slug



Right In: 5.952 ± 0.393 χ^2/NDF : 1229.3/27

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

Right Out: -3.836 ± 0.327 χ^2/NDF : 650.4/30

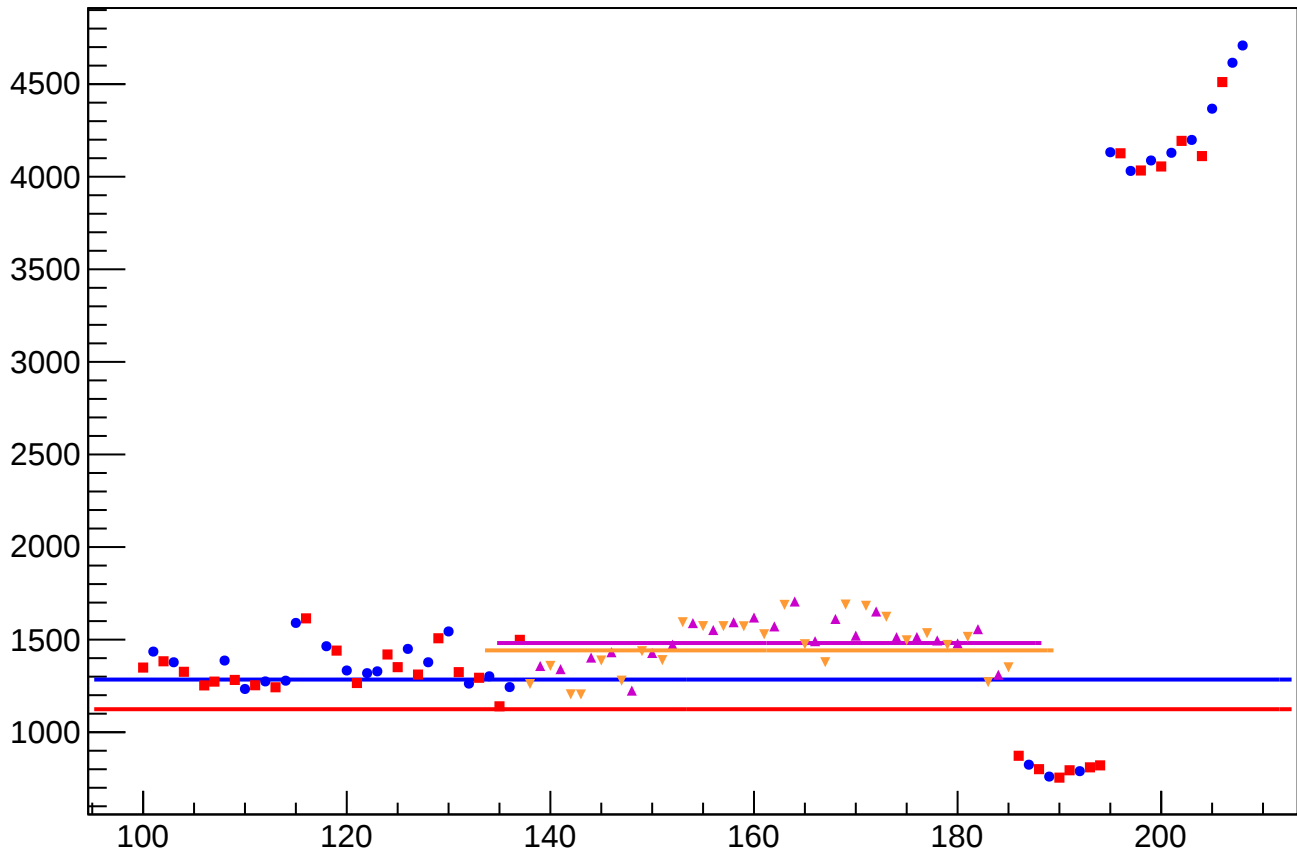
Left In: 3.129 ± 0.358 χ^2/NDF : 103.4/22

+ sign 3.845 ± 0.256 χ^2/NDF : 1355.1/52

All: 1.458 ± 0.176 χ^2/NDF : 2479.0/106

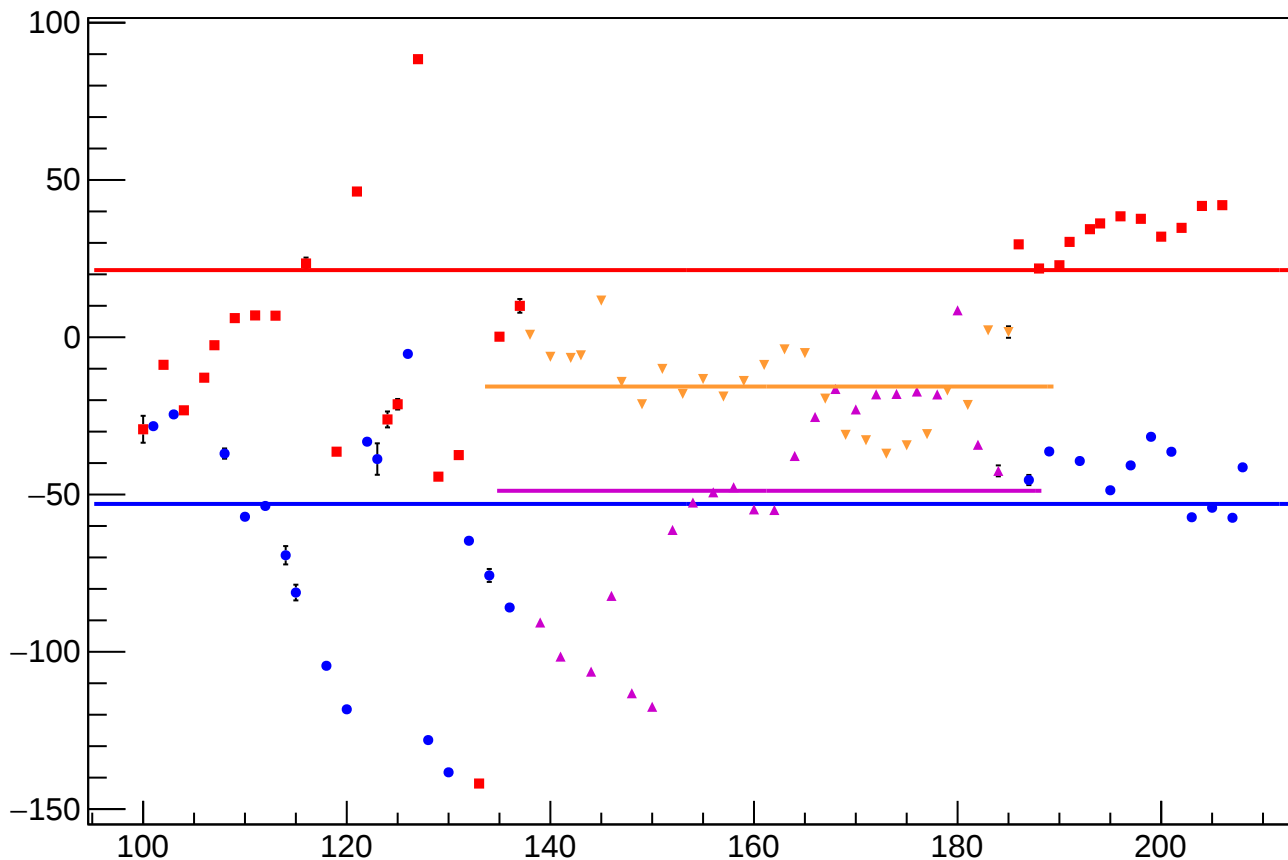
- sign -0.661 ± 0.241 χ^2/NDF : 960.1/53

diff_bpm0i07Y_rms vs Slug



Right In: 1284.403+/-0.278 χ^2/NDF : 7429595.9/27 + sign 1374.830+/-0.181 χ^2/NDF : 7985070.6/52
 Left Out: 1441.951+/-0.239 χ^2/NDF : 370617.4/24 All: 1328.390+/-0.124 χ^2/NDF : 15687843.8/1
 Right Out: 1124.219+/-0.231 χ^2/NDF : 6282895.8/30 - sign 1287.160+/-0.171 χ^2/NDF : 7578770.6/53
 Left In: 1481.695+/-0.253 χ^2/NDF : 208470.6/22

diff_bpm1i02X_mean vs Slug



Right In: -52.990 ± 0.194 χ^2/NDF : 17268.5/27

Left Out: -15.666 ± 0.212 χ^2/NDF : 3518.1/24

Right Out: 21.345 ± 0.190 χ^2/NDF : 30467.9/30

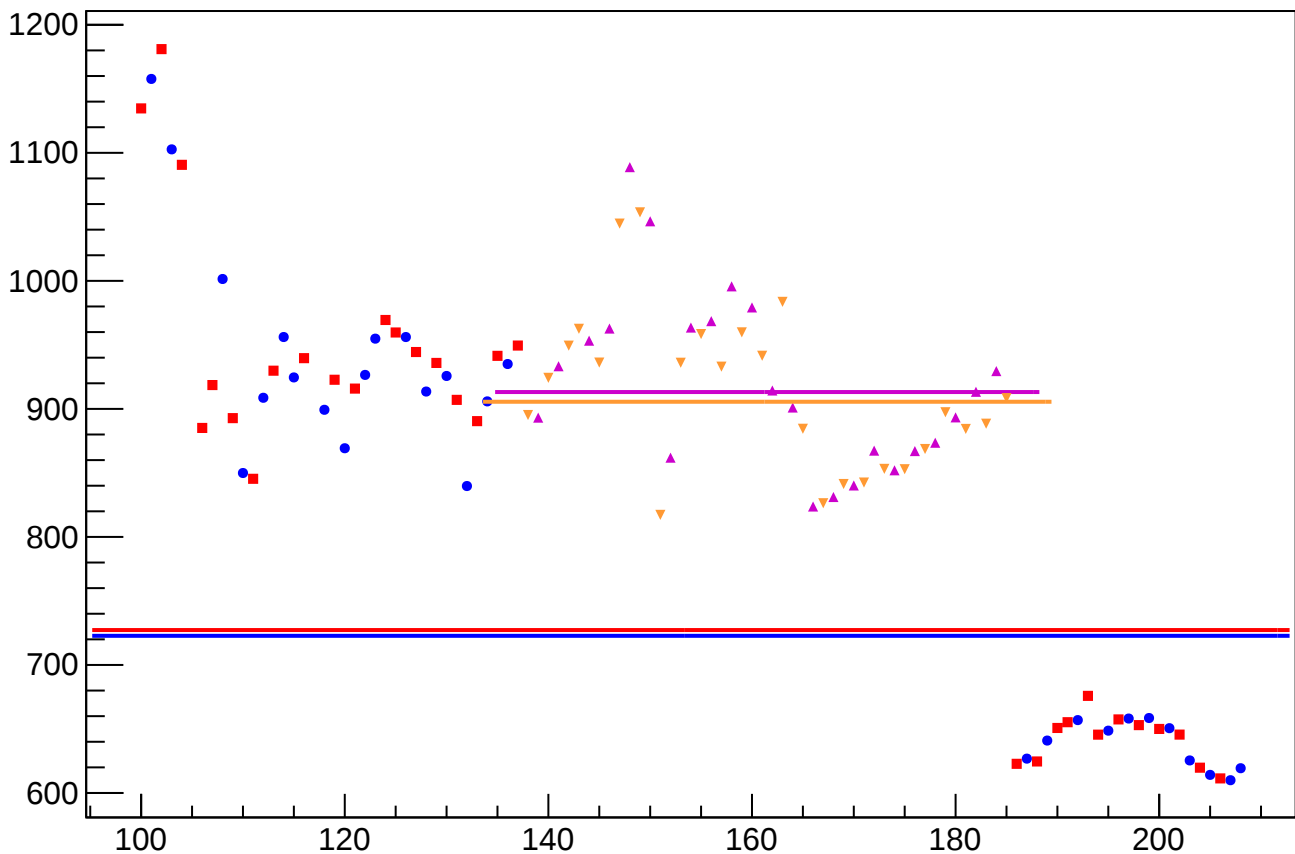
Left In: -48.812 ± 0.220 χ^2/NDF : 25260.8/22

+ sign -35.976 ± 0.143 χ^2/NDF : 37731.0/52

All: -22.436 ± 0.101 χ^2/NDF : 169795.6/106

- sign -8.693 ± 0.144 χ^2/NDF : 113949.8/53

diff_bpm1i02X_rms vs Slug



Right In: 722.764 $\pm$ 0.137 χ^2 /NDF: 1089869.9/27

Left Out: 905.578 $\pm$ 0.150 χ^2 /NDF:162073.5/24

Right Out: 727.261 $\pm$ 0.135 χ^2 /NDF: 1121796.0/30

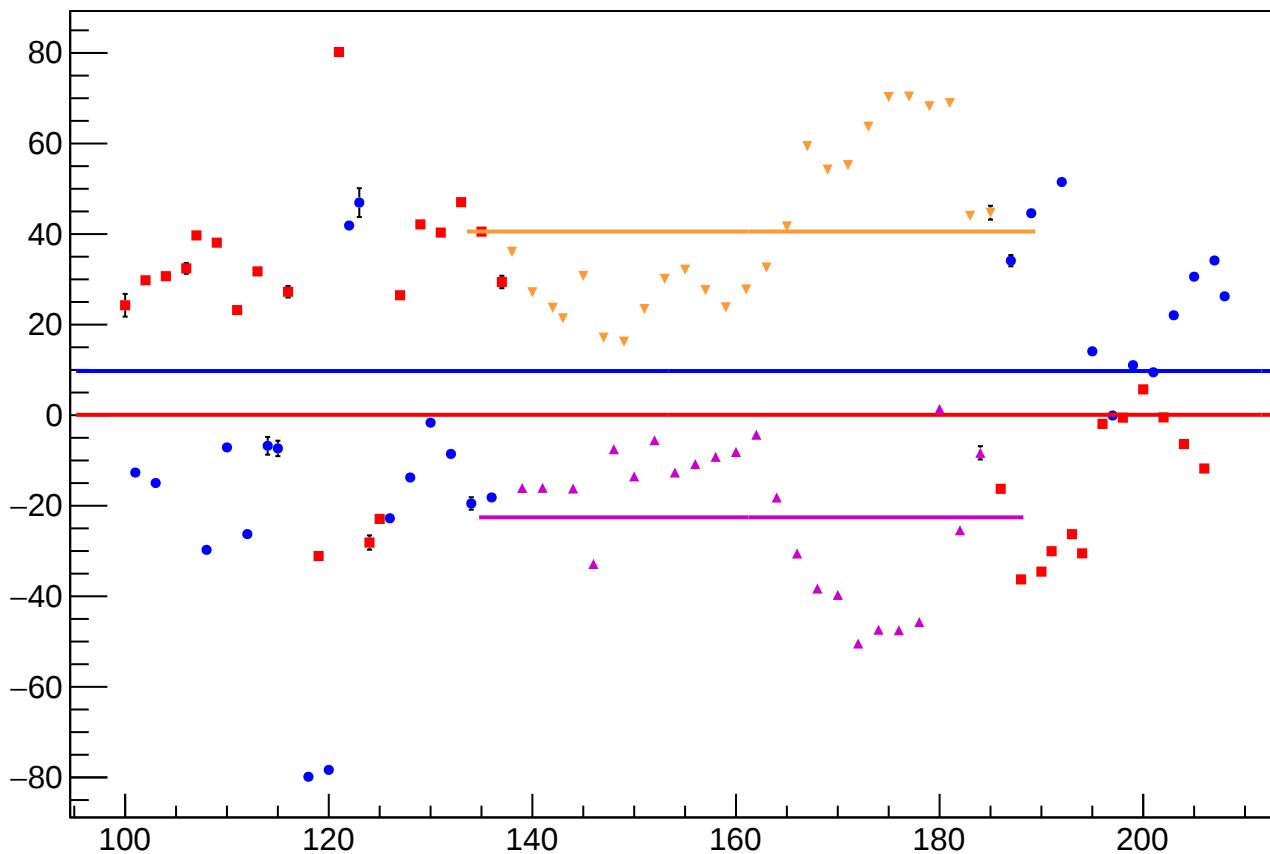
Left In: 913.165 $\pm$ 0.155 χ^2 /NDF:174438.8/22

+ sign 806.098 $\pm$ 0.101 χ^2 /NDF: 2064956.9/52

All: 806.474 $\pm$ 0.072 χ^2 /NDF: 4178822.6/106

- sign 806.856 $\pm$ 0.102 χ^2 /NDF: 2113837.7/53

diff_bpm1i02Y_mean vs Slug



Right In: 9.756+/-0.142 χ^2/NDF : 41698.2/27

Left Out: 40.573+/-0.168 χ^2/NDF :12079.0/24

Right Out: 0.083+/-0.139 χ^2/NDF : 41749.8/30

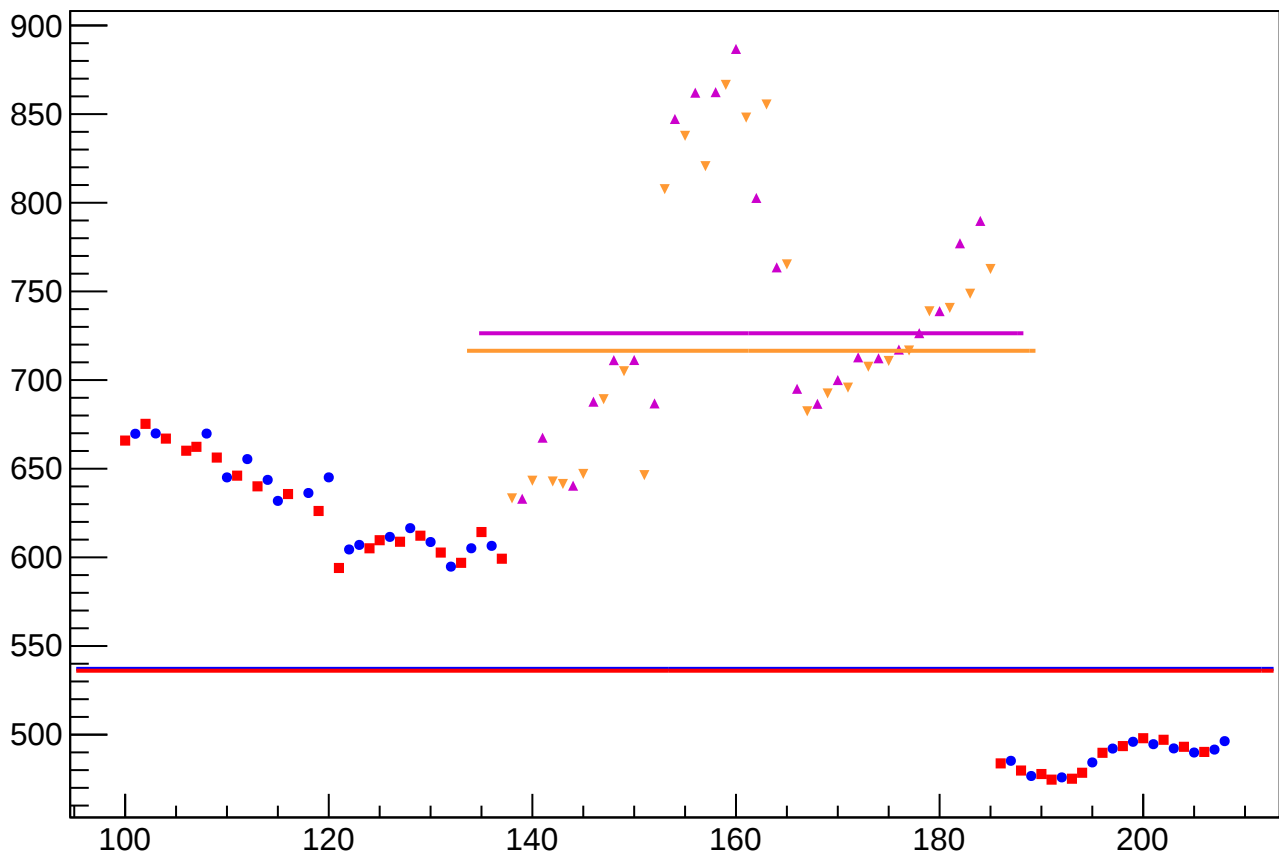
Left In: -22.565+/-0.175 χ^2/NDF :8167.7/22

+ sign 22.639+/-0.109 χ^2/NDF : 73395.7/52

All: 7.038+/-0.077 χ^2/NDF : 175017.5/106

- sign -8.642+/-0.109 χ^2/NDF : 60180.9/53

diff_bpm1i02Y_rms vs Slug



Right In: 537.119 $\pm$ 0.101 χ^2 /NDF: 469046.2/27

Left Out: 716.515 $\pm$ 0.119 χ^2 /NDF: 342740.2/24

Right Out: 536.066 $\pm$ 0.098 χ^2 /NDF: 508826.1/30

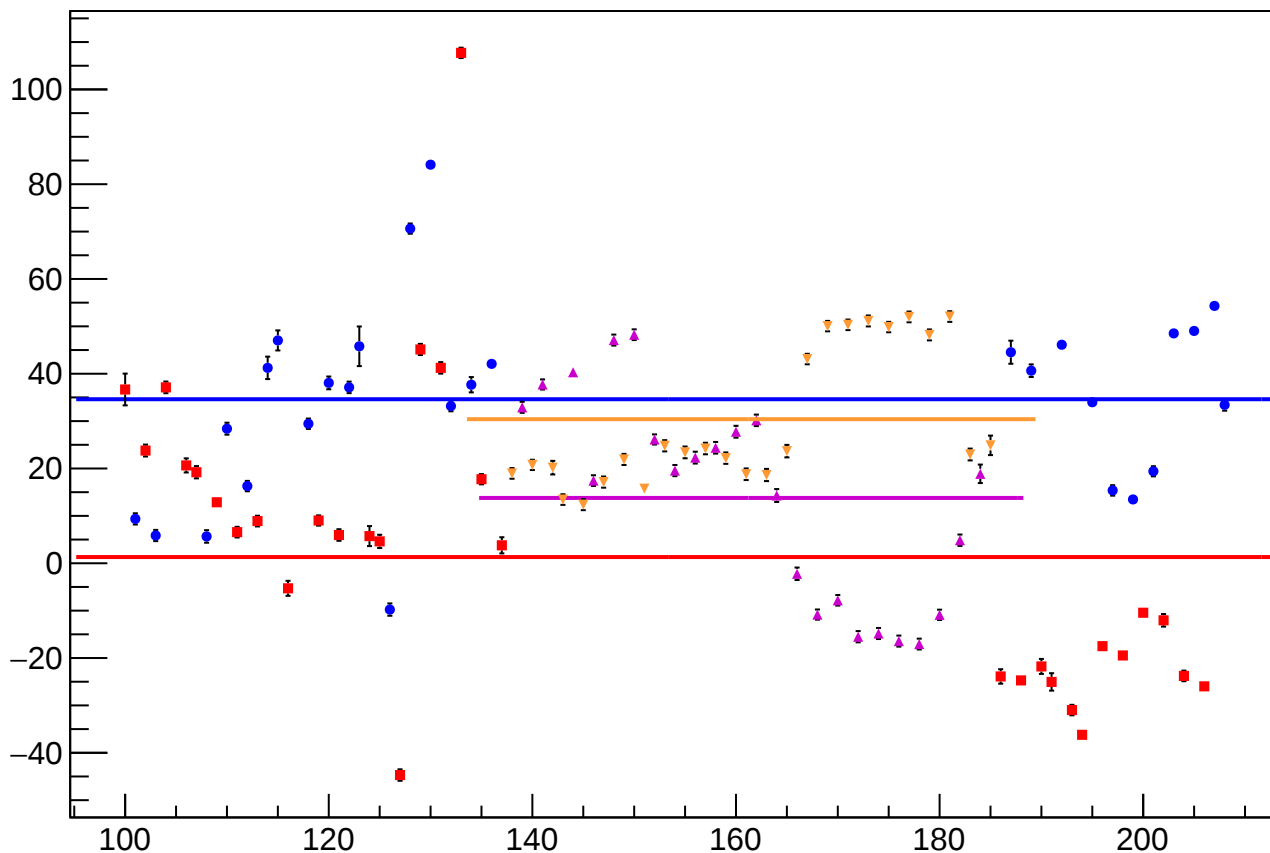
Left In: 726.390 $\pm$ 0.124 χ^2 /NDF: 289788.8/22

+ sign 612.119 $\pm$ 0.077 χ^2 /NDF: 2141440.4/52

All: 610.756 $\pm$ 0.054 χ^2 /NDF: 4390291.8/100

- sign 609.386 $\pm$ 0.077 χ^2 /NDF: 2248218.7/53

diff_bpm1i04X_mean vs Slug



Right In: 34.616+/-0.224 χ^2/NDF : 8284.2/27

Left Out: 30.408+/-0.237 χ^2/NDF : 3808.0/24

Right Out: 1.310+/-0.219 χ^2/NDF : 21343.4/30

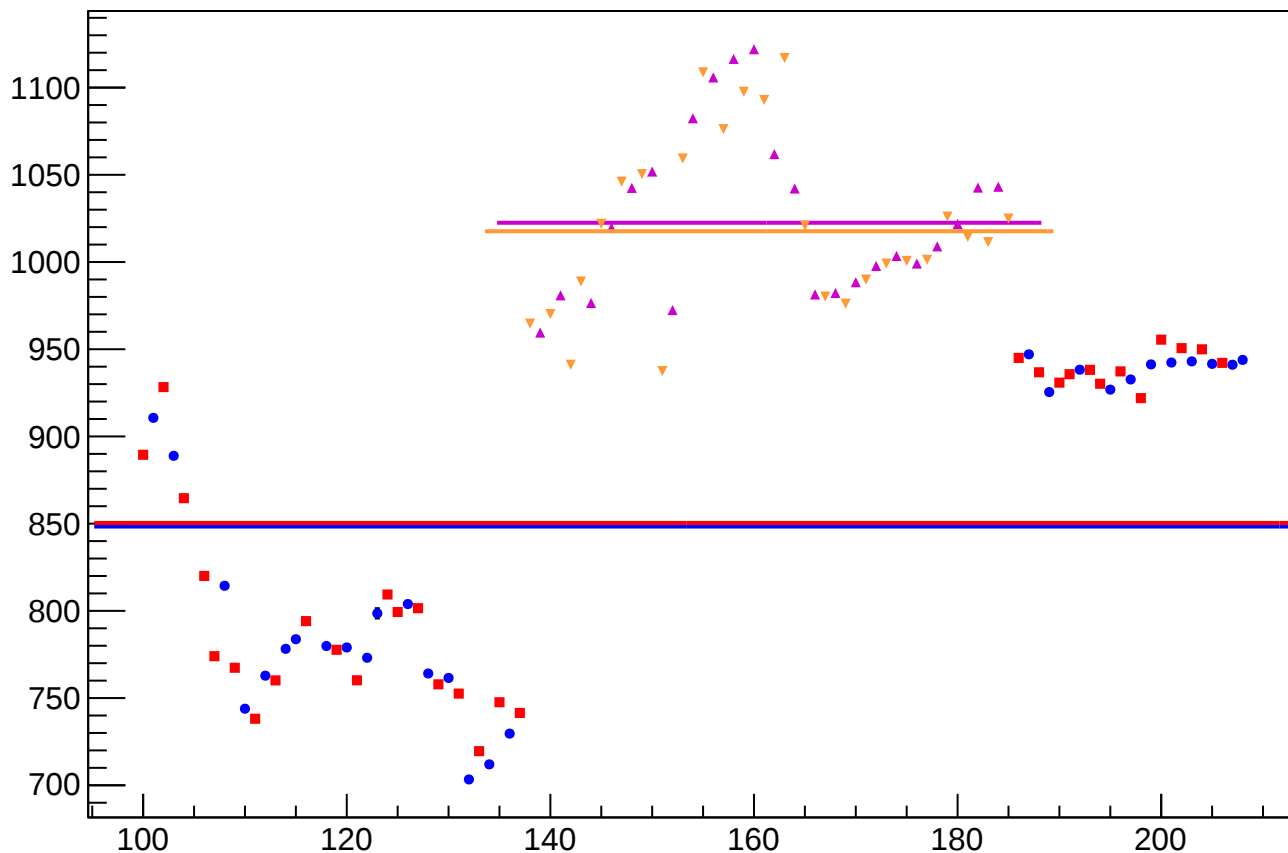
Left In: 13.787+/-0.246 χ^2/NDF : 7979.7/22

+ sign 32.633+/-0.163 χ^2/NDF : 12258.3/52

All: 19.795+/-0.116 χ^2/NDF : 55478.4/106

- sign 6.843+/-0.164 χ^2/NDF : 30756.6/53

diff_bpm1i04X_rms vs Slug



Right In: 848.350 ± 0.159 $\chi^2/\text{NDF}: 323533.9/27$

Left Out: 1017.653 ± 0.168 $\chi^2/\text{NDF}: 83612.5/24$

Right Out: 850.423 ± 0.155 $\chi^2/\text{NDF}: 315738.7/30$

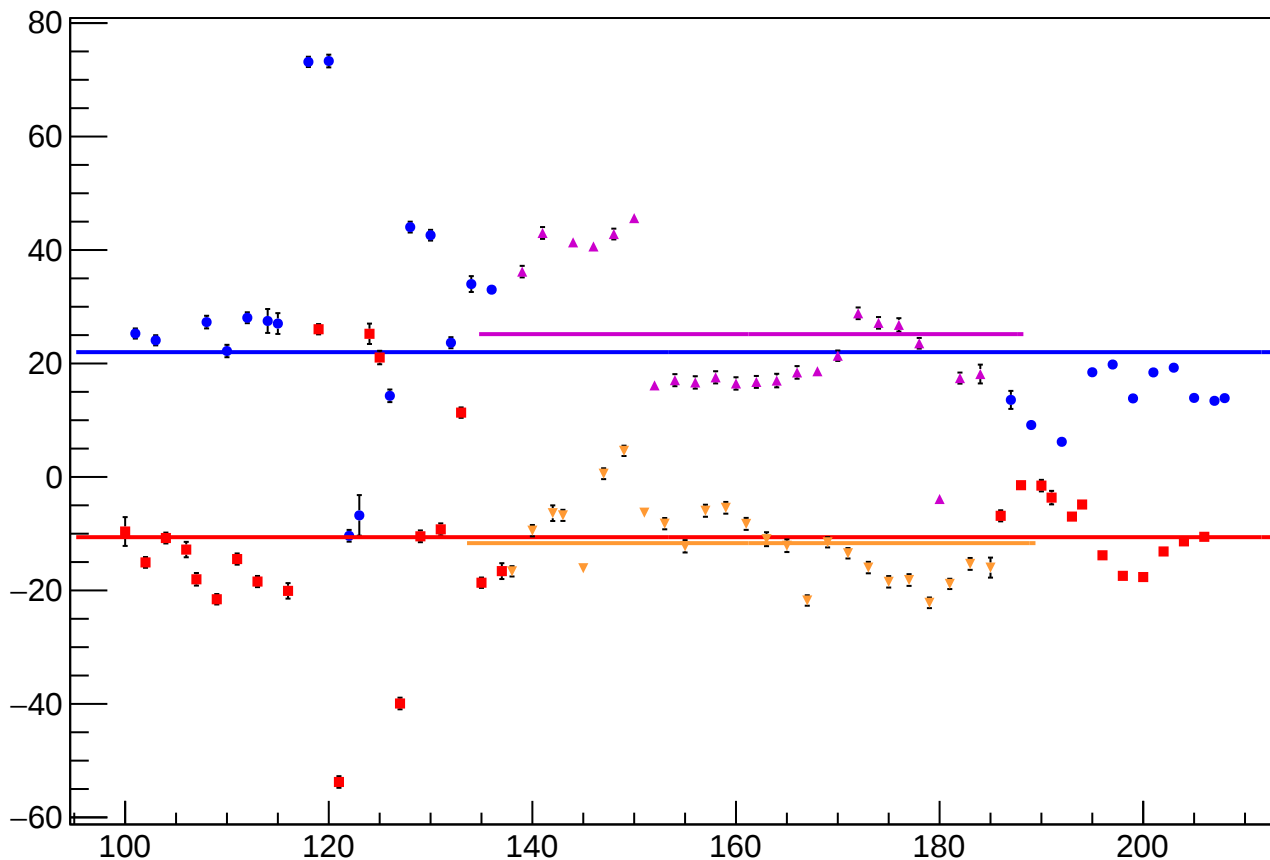
Left In: 1022.511 ± 0.174 $\chi^2/\text{NDF}: 69635.5/22$

+ sign 928.150 ± 0.115 $\chi^2/\text{NDF}: 944887.1/52$

All: 927.449 ± 0.082 $\chi^2/\text{NDF}: 1875779.7/100$

- sign 926.740 ± 0.116 $\chi^2/\text{NDF}: 930818.0/53$

diff_bpm1i04Y_mean vs Slug



Right In: 21.999 ± 0.162 χ^2/NDF : 9420.9/27

Left Out: -11.664 ± 0.200 χ^2/NDF : 1147.4/24

Right Out: -10.614 ± 0.162 χ^2/NDF : 7015.9/30

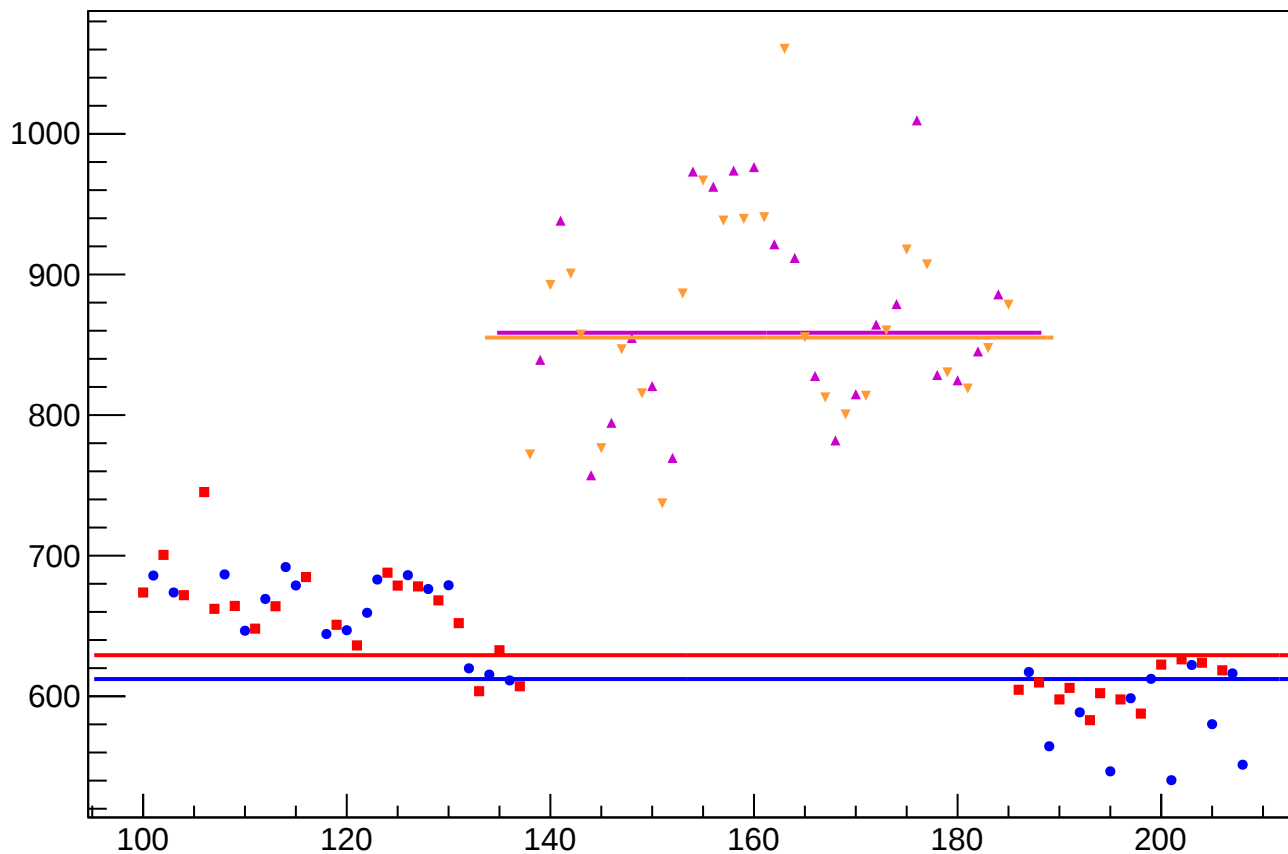
Left In: 25.174 ± 0.207 χ^2/NDF : 3747.1/22

+ sign 8.706 ± 0.126 χ^2/NDF : 27662.2/52

All: 5.862 ± 0.090 χ^2/NDF : 57965.1/106

- sign 2.938 ± 0.128 χ^2/NDF : 29267.4/53

diff_bpm1i04Y_rms vs Slug



Right In: 612.243+/-0.114 χ^2/NDF : 163829.9/27

Left Out: 855.131+/-0.142 χ^2/NDF : 233746.7/24

Right Out: 629.225+/-0.114 χ^2/NDF : 90415.4/30

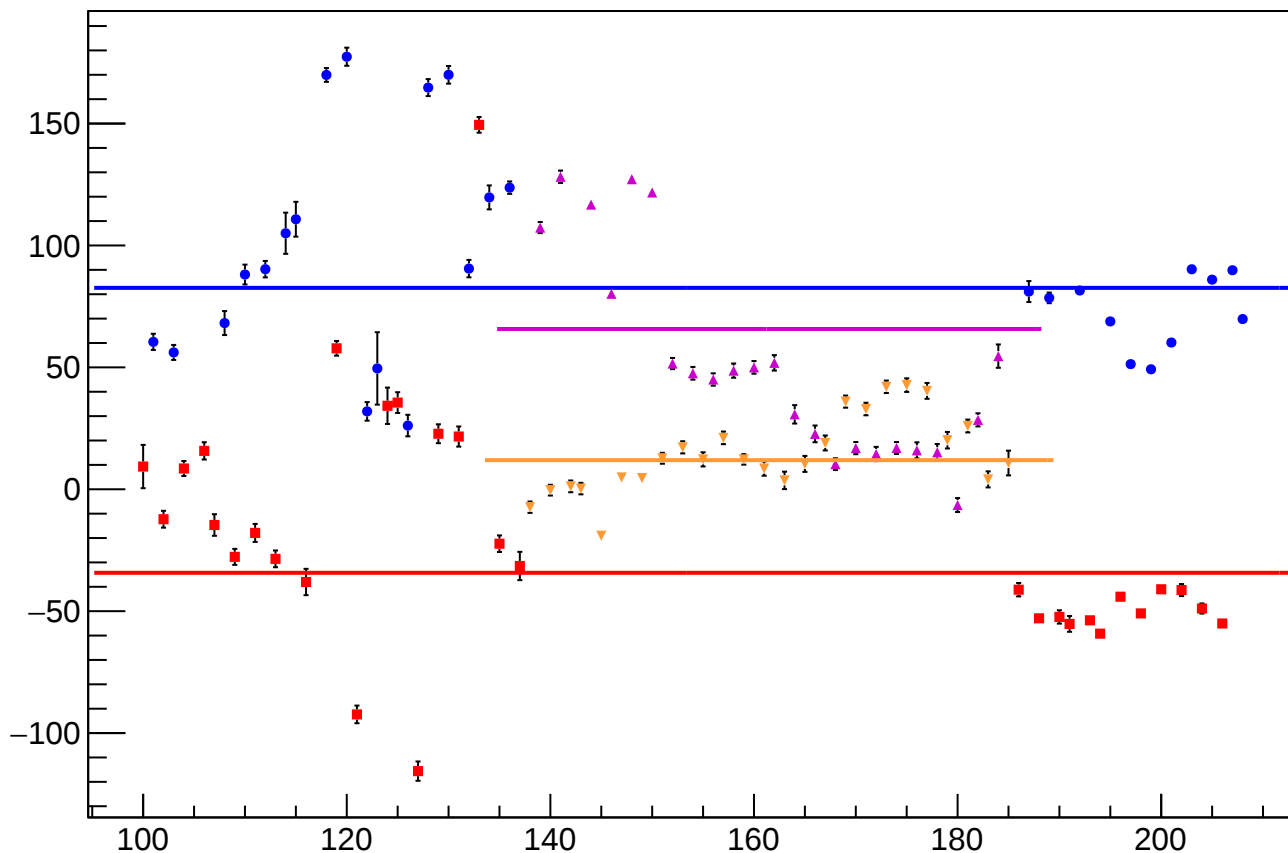
Left In: 858.563+/-0.147 χ^2/NDF : 239019.8/22

+ sign 708.160+/-0.089 χ^2/NDF : 2177412.7/52

All: 712.060+/-0.063 χ^2/NDF : 4030565.8/106

- sign 716.070+/-0.090 χ^2/NDF : 1849257.8/53

diff_bpm1i06X_mean vs Slug



Right In: 82.613 ± 0.493 $\chi^2/\text{NDF}: 4444.7/27$

Left Out: 11.938 ± 0.505 $\chi^2/\text{NDF}: 976.6/24$

Right Out: -34.254 ± 0.493 $\chi^2/\text{NDF}: 6965.1/30$

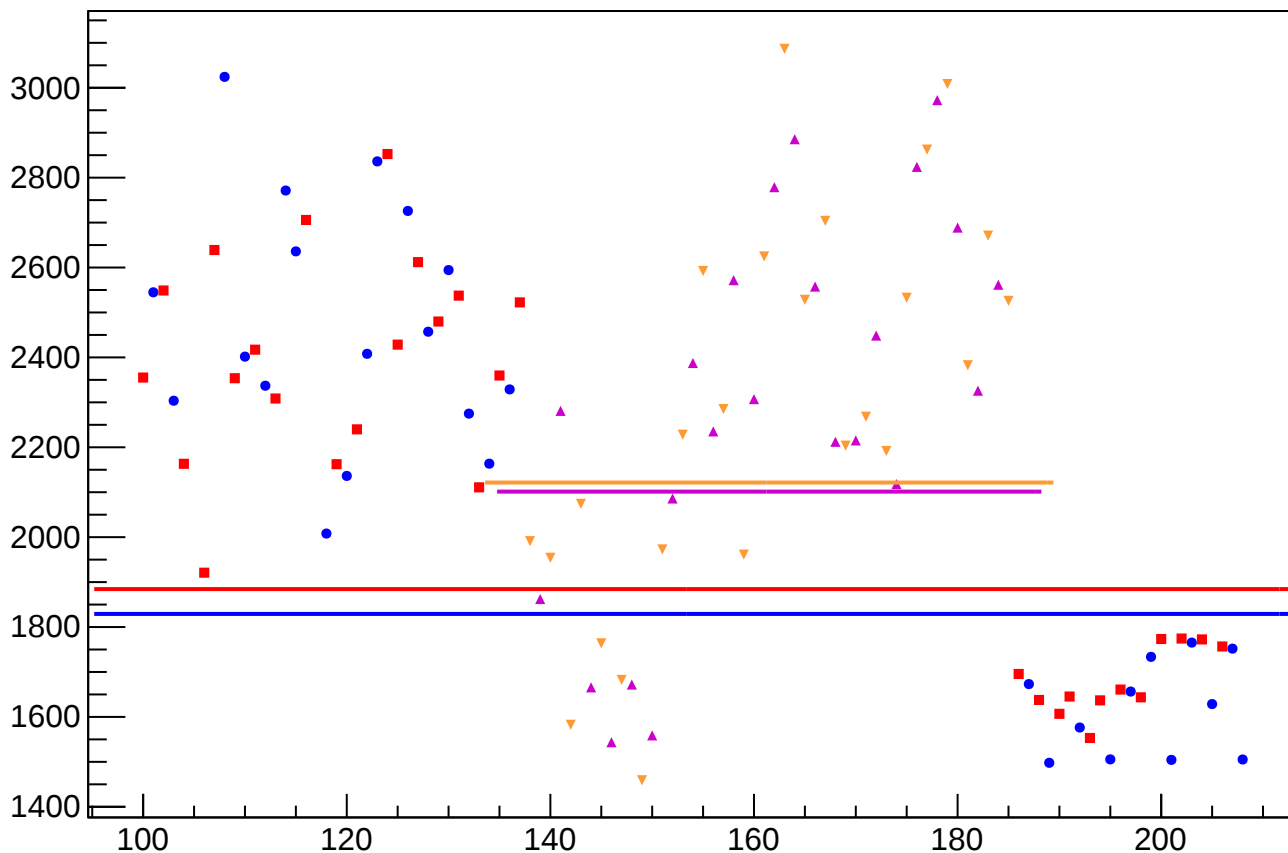
Left In: 65.752 ± 0.518 $\chi^2/\text{NDF}: 7335.8/22$

+ sign 48.138 ± 0.353 $\chi^2/\text{NDF}: 15440.9/52$

All: 30.894 ± 0.251 $\chi^2/\text{NDF}: 54156.3/106$

- sign 13.265 ± 0.357 $\chi^2/\text{NDF}: 33887.4/53$

diff_bpm1i06X_rms vs Slug



Right In: 1829.172 $\pm$ 0.349 χ^2 /NDF: 1167044.9/27

Left Out: 2121.567 $\pm$ 0.357 χ^2 /NDF:1387847.6/24

Right Out: 1884.444 $\pm$ 0.348 χ^2 /NDF: 927778.0/30

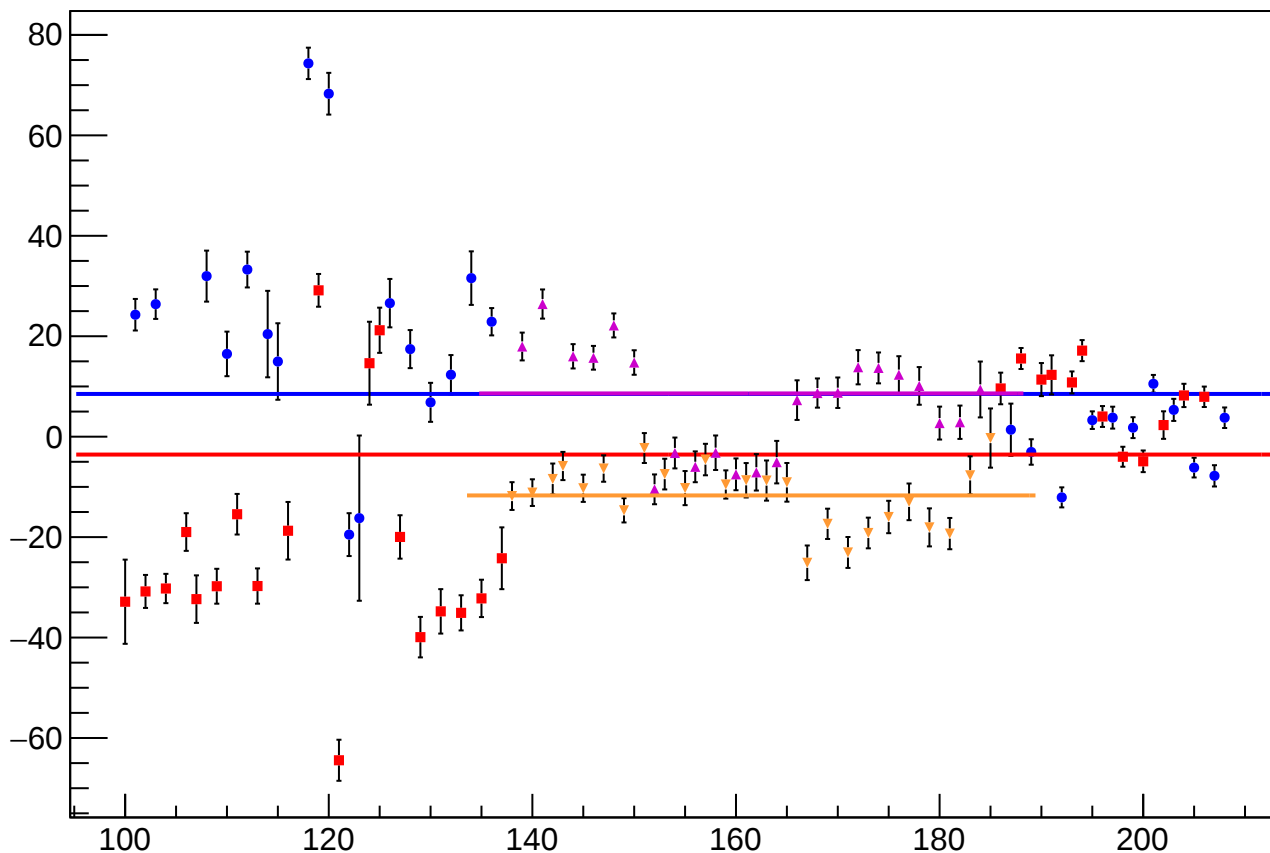
Left In: 2101.325 $\pm$ 0.366 χ^2 /NDF:1360518.3/22

+ sign 1971.800 $\pm$ 0.250 χ^2 /NDF: 2897885.8/52

All: 1979.562 $\pm$ 0.177 χ^2 /NDF: 5372374.2/10

- sign 1987.498 $\pm$ 0.252 χ^2 /NDF: 2472532.0/53

diff_bpm1i06Y_mean vs Slug



Right In: 8.508 ± 0.534 χ^2/NDF : 1177.9/27

Left Out: -11.700 ± 0.625 χ^2/NDF : 85.0/24

Right Out: -3.562 ± 0.547 χ^2/NDF : 1355.7/30

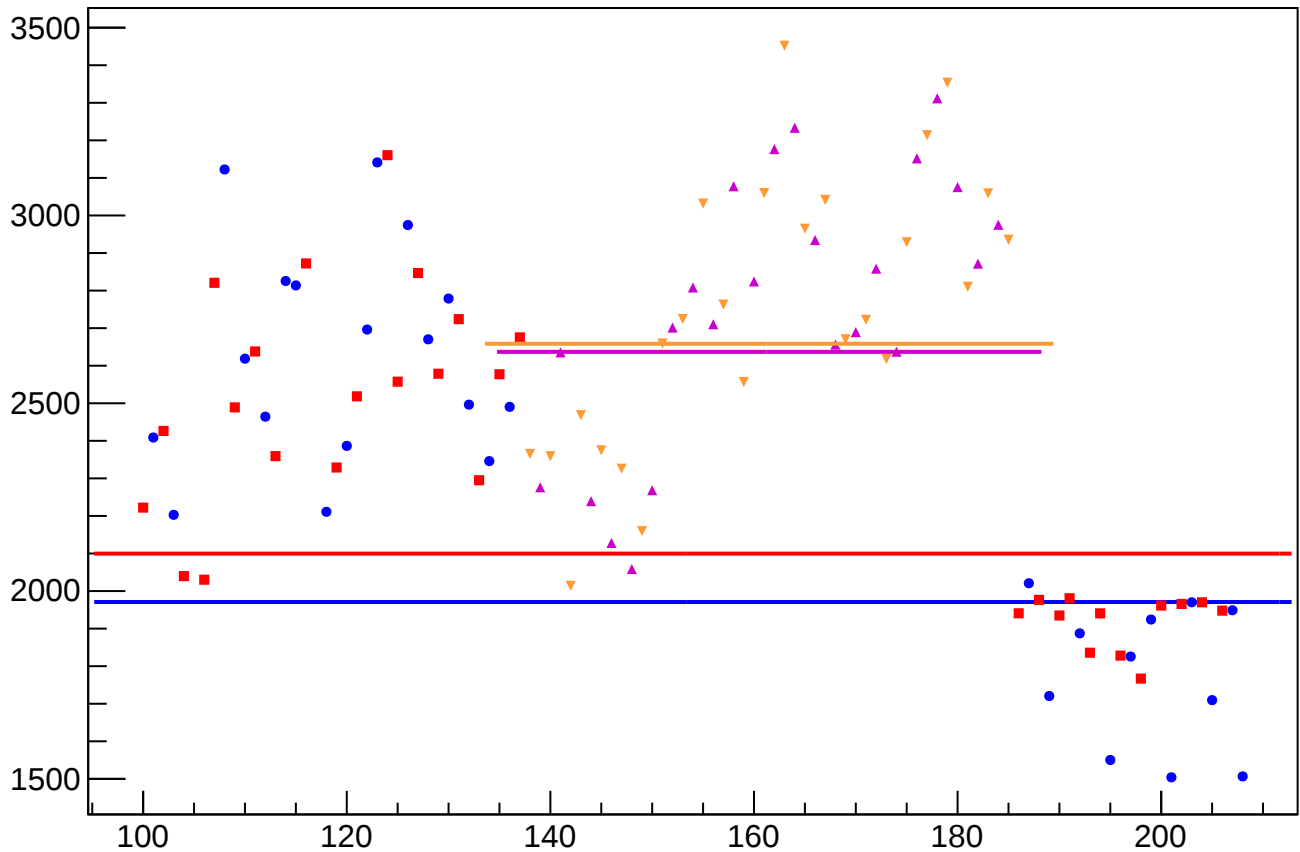
Left In: 8.606 ± 0.642 χ^2/NDF : 264.2/22

+ sign -0.009 ± 0.406 χ^2/NDF : 1866.8/52

All: 0.754 ± 0.291 χ^2/NDF : 3702.1/106

- sign 1.556 ± 0.416 χ^2/NDF : 1828.1/53

diff_bpm1i06Y_rms vs Slug



Right In: 1970.839 $\pm$ 0.377 χ^2 /NDF: 1165720.8/27

Left Out: 2658.486 $\pm$ 0.442 χ^2 /NDF: 618133.8/24

Right Out: 2099.695 $\pm$ 0.387 χ^2 /NDF: 624873.8/30

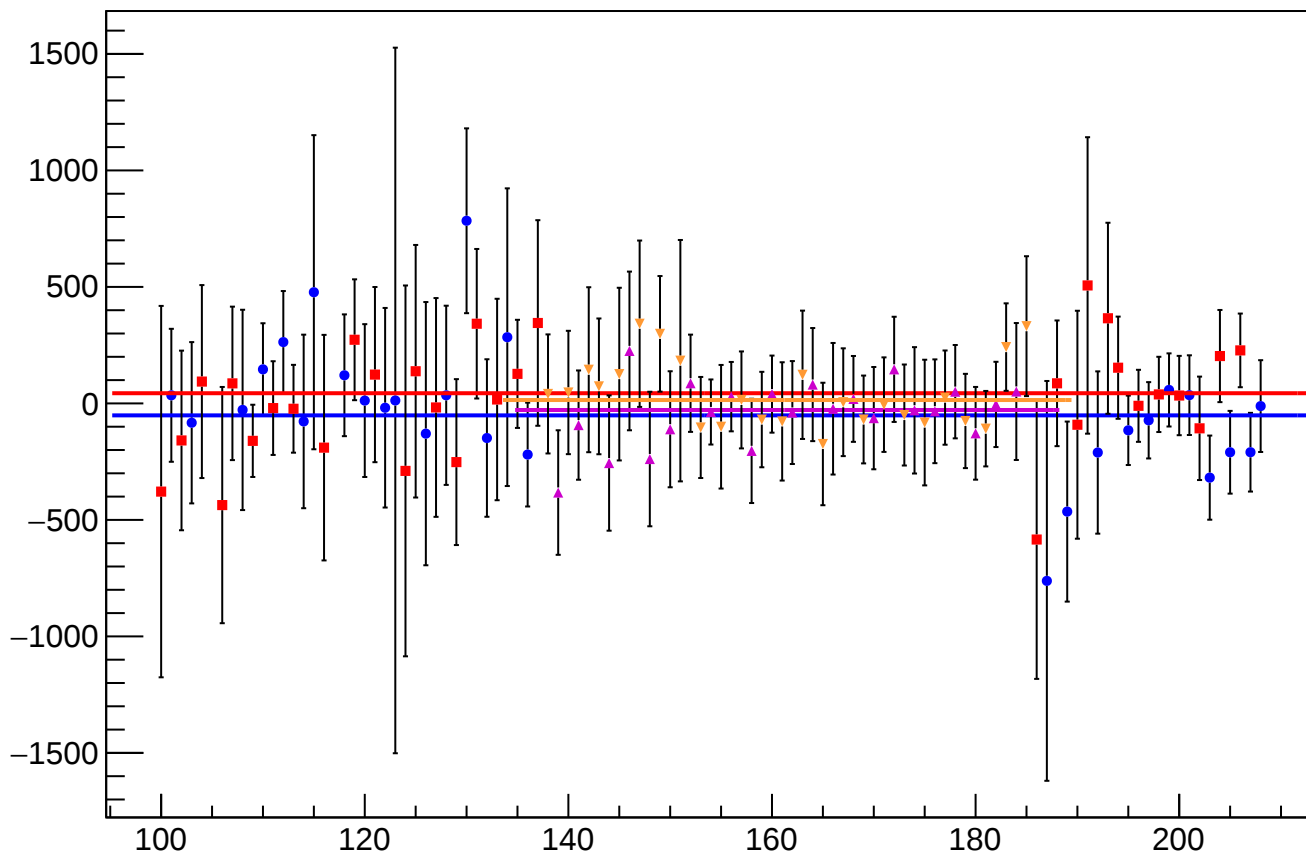
Left In: 2636.885 $\pm$ 0.454 χ^2 /NDF: 652894.5/22

+ sign 2260.674 $\pm$ 0.287 χ^2 /NDF: 3182464.9/52

All: 2292.343 $\pm$ 0.206 χ^2 /NDF: 5296706.7/10

- sign 2325.633 $\pm$ 0.294 χ^2 /NDF: 2089288.1/53

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -51.361 ± 46.836 χ^2/NDF : 16.6/27

Left Out: 14.520 ± 47.528 χ^2/NDF : 7.8/24

Right Out: 43.726 ± 46.900 χ^2/NDF : 12.1/30

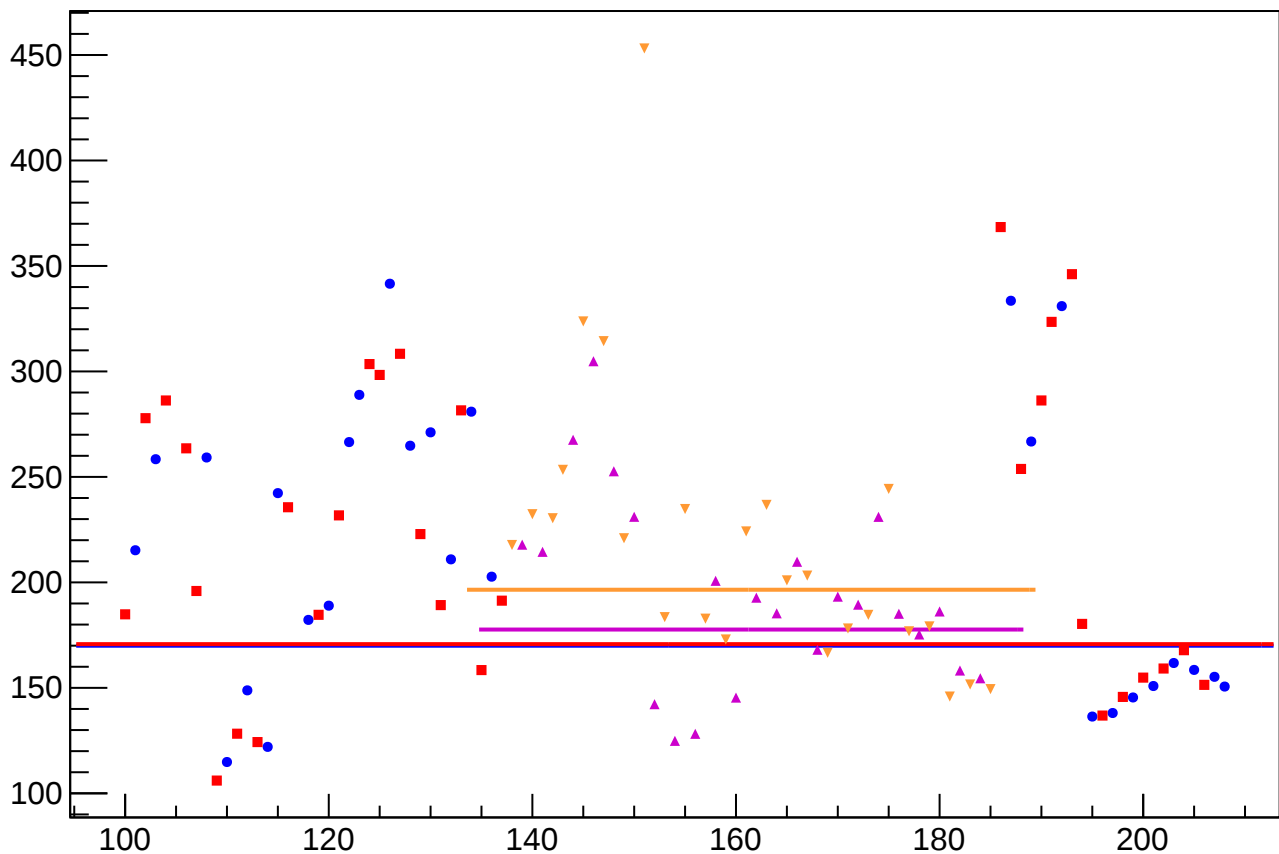
Left In: -28.310 ± 44.638 χ^2/NDF : 6.3/22

+ sign -18.904 ± 33.360 χ^2/NDF : 25.3/52

All: -6.099 ± 23.218 χ^2/NDF : 45.2/106

- sign 5.930 ± 32.334 χ^2/NDF : 19.6/53

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 169.983 $\pm$ 0.033 χ^2 /NDF: 2114957.1/27

Left Out: 196.514 $\pm$ 0.034 χ^2 /NDF:1789504.4/24

Right Out: 170.726 $\pm$ 0.033 χ^2 /NDF: 2773704.9/30

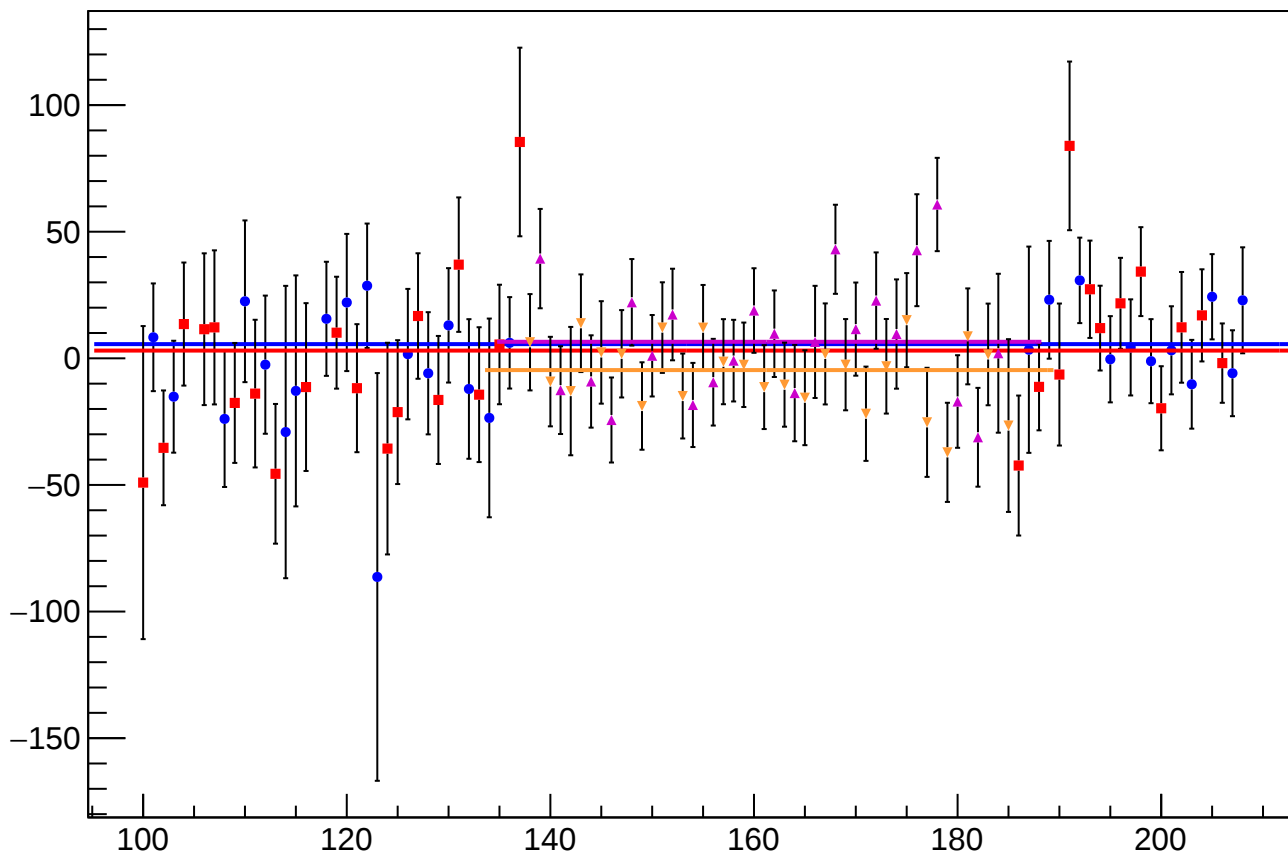
Left In: 177.643 $\pm$ 0.032 χ^2 /NDF:1630664.5/22

+ sign 183.054 $\pm$ 0.024 χ^2 /NDF: 4220650.4/52

All: 178.569 $\pm$ 0.016 χ^2 /NDF: 8717953.5/100

- sign 174.355 $\pm$ 0.023 χ^2 /NDF: 4427196.0/53

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 5.606 ± 4.234 χ^2/NDF : 13.4/27

Left Out: -4.646 ± 3.728 χ^2/NDF : 12.1/24

Right Out: 3.059 ± 4.168 χ^2/NDF : 36.5/30

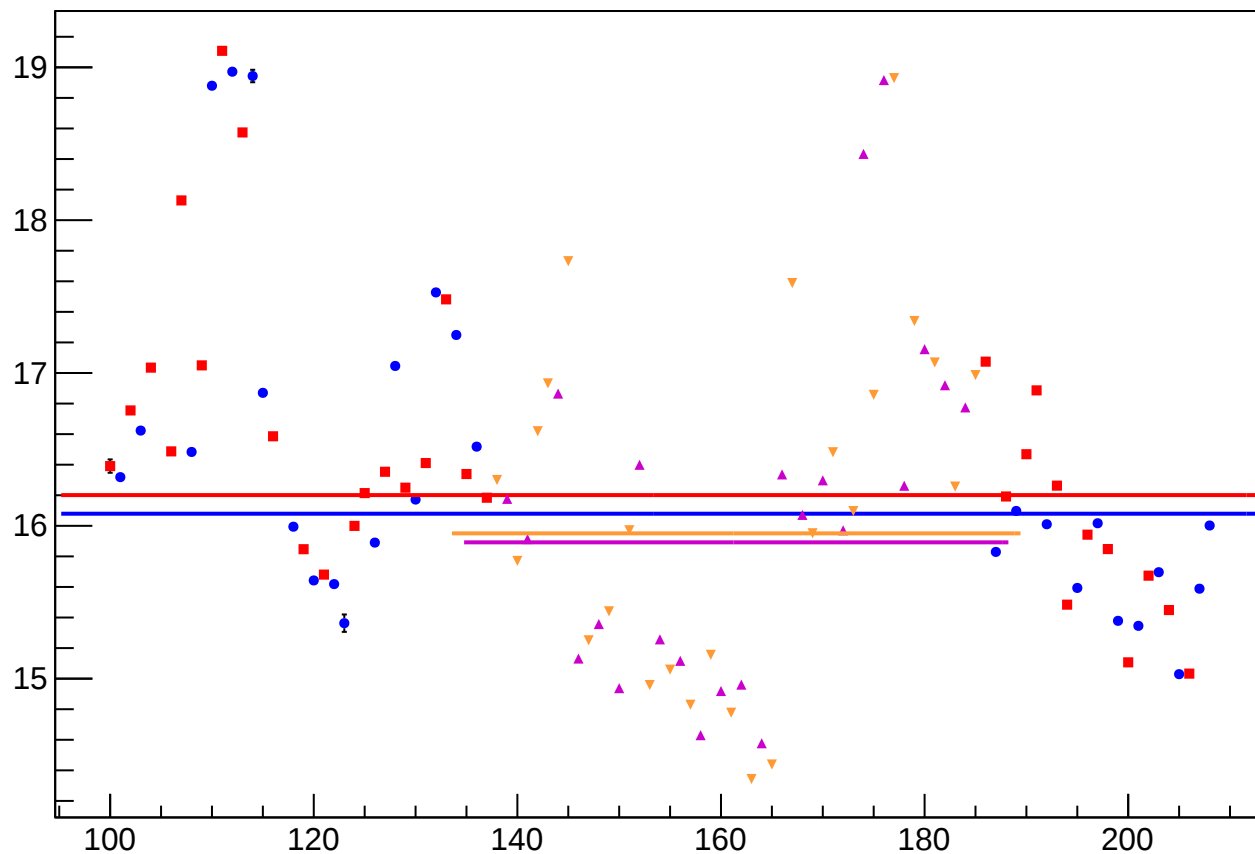
Left In: 6.526 ± 3.828 χ^2/NDF : 36.4/22

+ sign -0.169 ± 2.798 χ^2/NDF : 28.7/52

All: 2.366 ± 1.986 χ^2/NDF : 103.6/106

- sign 4.940 ± 2.819 χ^2/NDF : 73.3/53

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.079 $\pm$ 0.003 χ^2 /NDF: 77866.7/27

Left Out: 15.951 $\pm$ 0.003 χ^2 /NDF:173458.5/24

Right Out: 16.201 $\pm$ 0.003 χ^2 /NDF: 87945.0/30

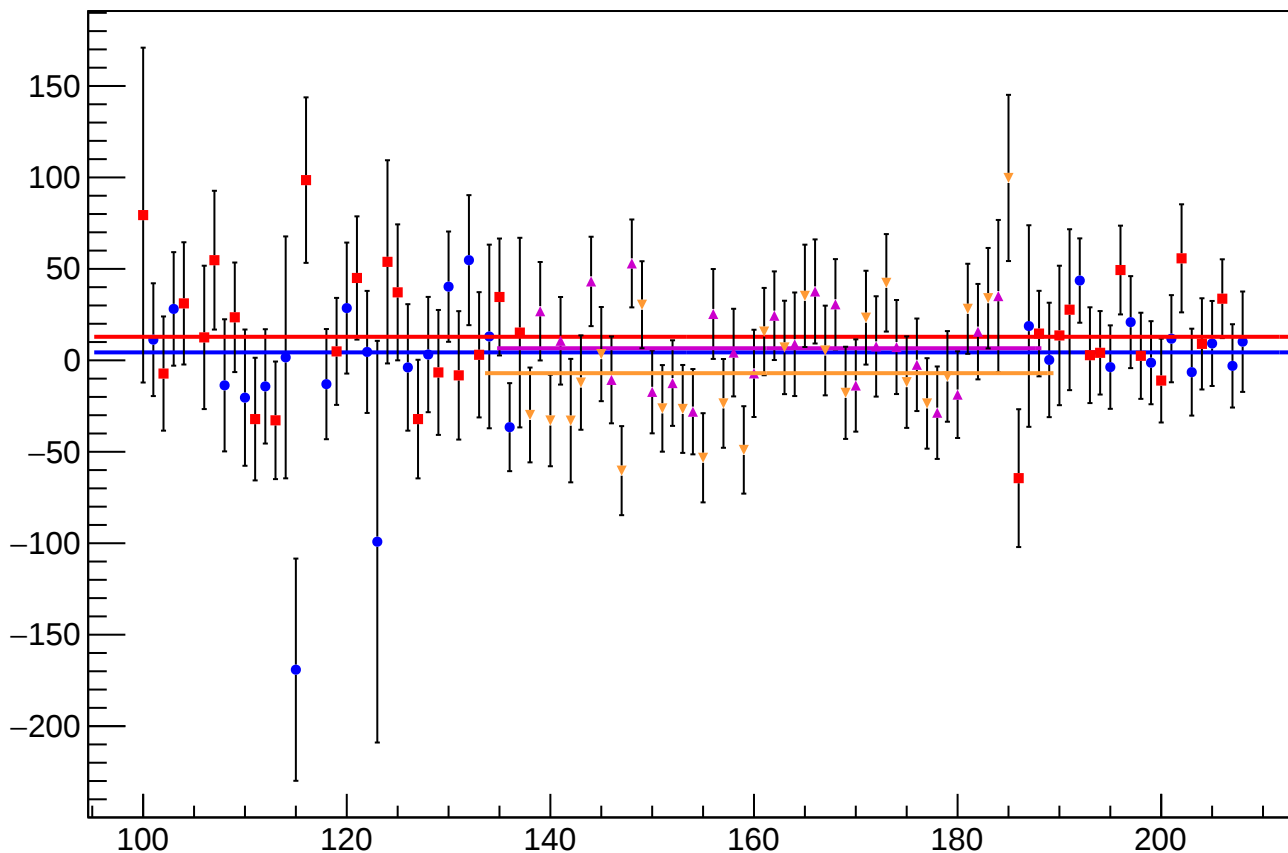
Left In: 15.892 $\pm$ 0.003 χ^2 /NDF:147093.3/22

+ sign 16.007 $\pm$ 0.002 χ^2 /NDF: 252362.9/52

All: 16.020 $\pm$ 0.001 χ^2 /NDF: 493460.4/106

- sign 16.033 $\pm$ 0.002 χ^2 /NDF: 241008.6/53

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 4.352 ± 5.667 $\chi^2/\text{NDF}: 22.0/27$

Left Out: -7.017 ± 5.121 $\chi^2/\text{NDF}: 37.4/24$

Right Out: 12.876 ± 5.573 $\chi^2/\text{NDF}: 26.3/30$

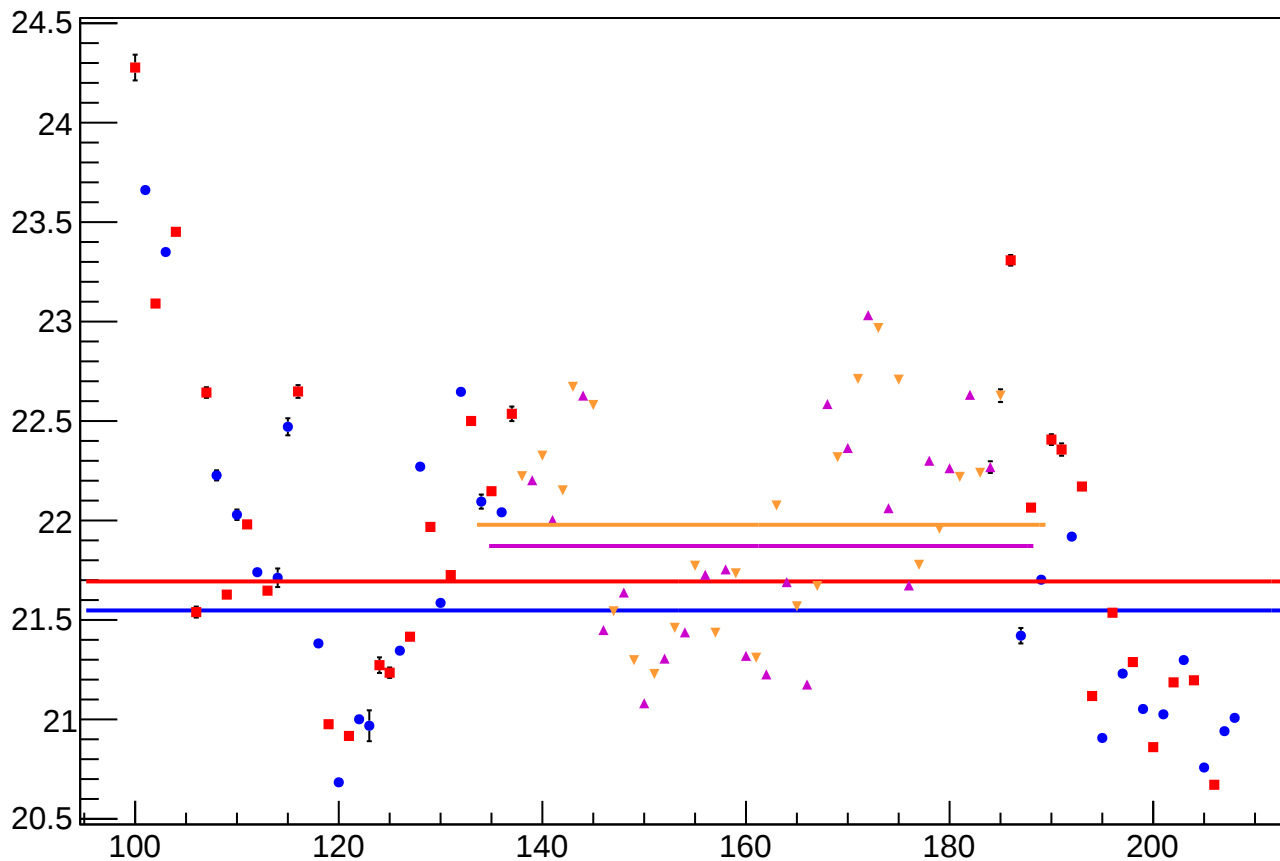
Left In: 6.611 ± 5.251 $\chi^2/\text{NDF}: 19.1/22$

+ sign -1.907 ± 3.800 $\chi^2/\text{NDF}: 61.7/52$

All: 3.792 ± 2.695 $\chi^2/\text{NDF}: 112.3/106$

- sign 9.558 ± 3.822 $\chi^2/\text{NDF}: 46.1/53$

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.548 $\pm$ 0.004 χ^2 /NDF: 32776.2/27

Left Out: 21.978 $\pm$ 0.004 χ^2 /NDF: 19430.2/24

Right Out: 21.694 $\pm$ 0.004 χ^2 /NDF: 34948.6/30

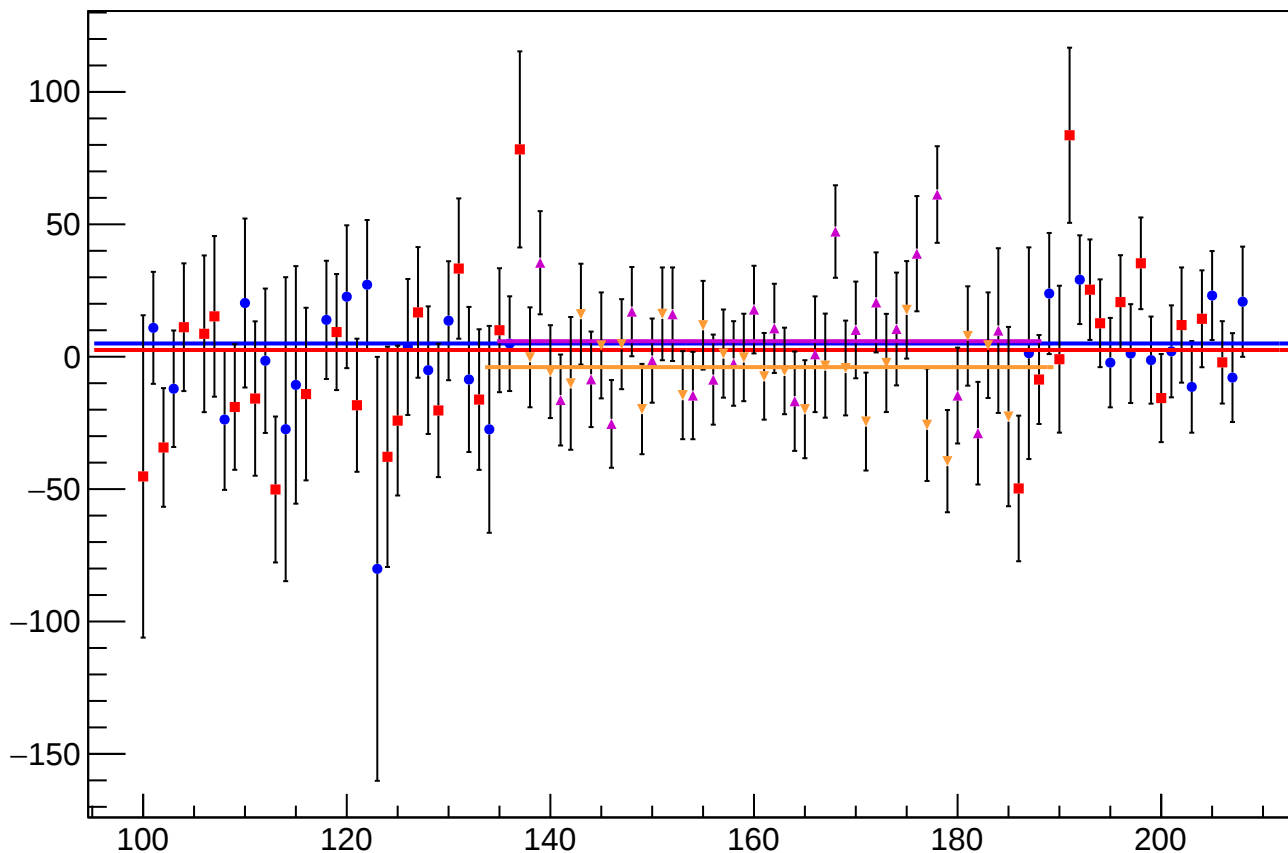
Left In: 21.872 $\pm$ 0.004 χ^2 /NDF: 20524.9/22

+ sign 21.785 $\pm$ 0.003 χ^2 /NDF: 58564.4/52

All: 21.786 $\pm$ 0.002 χ^2 /NDF: 115121.4/106

- sign 21.788 $\pm$ 0.003 χ^2 /NDF: 56556.4/53

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 5.002 ± 4.203 χ^2/NDF : 12.8/27

Left Out: -3.927 ± 3.688 χ^2/NDF : 14.0/24

Right Out: 2.546 ± 4.138 χ^2/NDF : 37.1/30

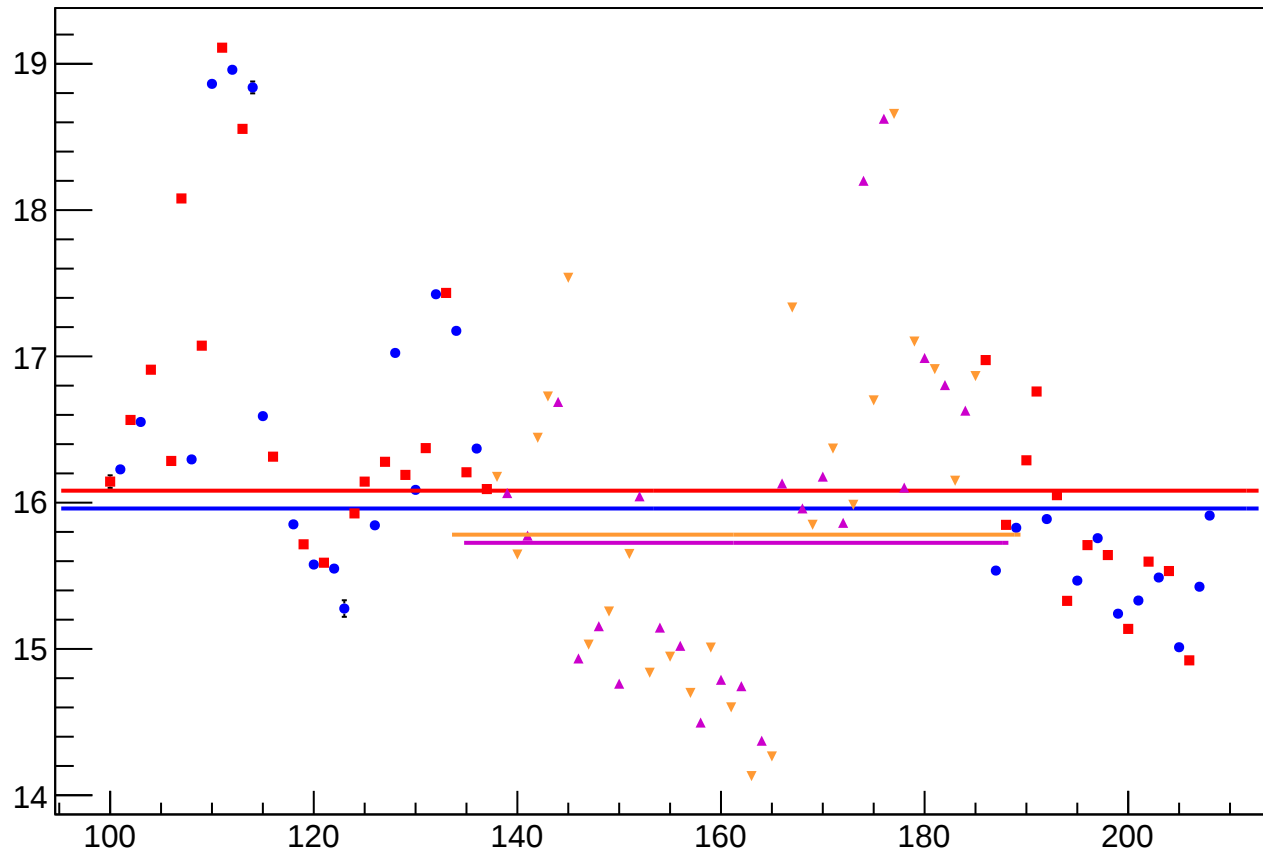
Left In: 5.861 ± 3.787 χ^2/NDF : 36.2/22

+ sign -0.043 ± 2.772 χ^2/NDF : 29.3/52

All: 2.136 ± 1.968 χ^2/NDF : 104.2/106

- sign 4.350 ± 2.794 χ^2/NDF : 73.6/53

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 15.960 $\pm$ 0.003 χ^2 /NDF: 80741.8/27

Left Out: 15.781 $\pm$ 0.003 χ^2 /NDF:172894.3/24

Right Out: 16.082 $\pm$ 0.003 χ^2 /NDF: 90471.8/30

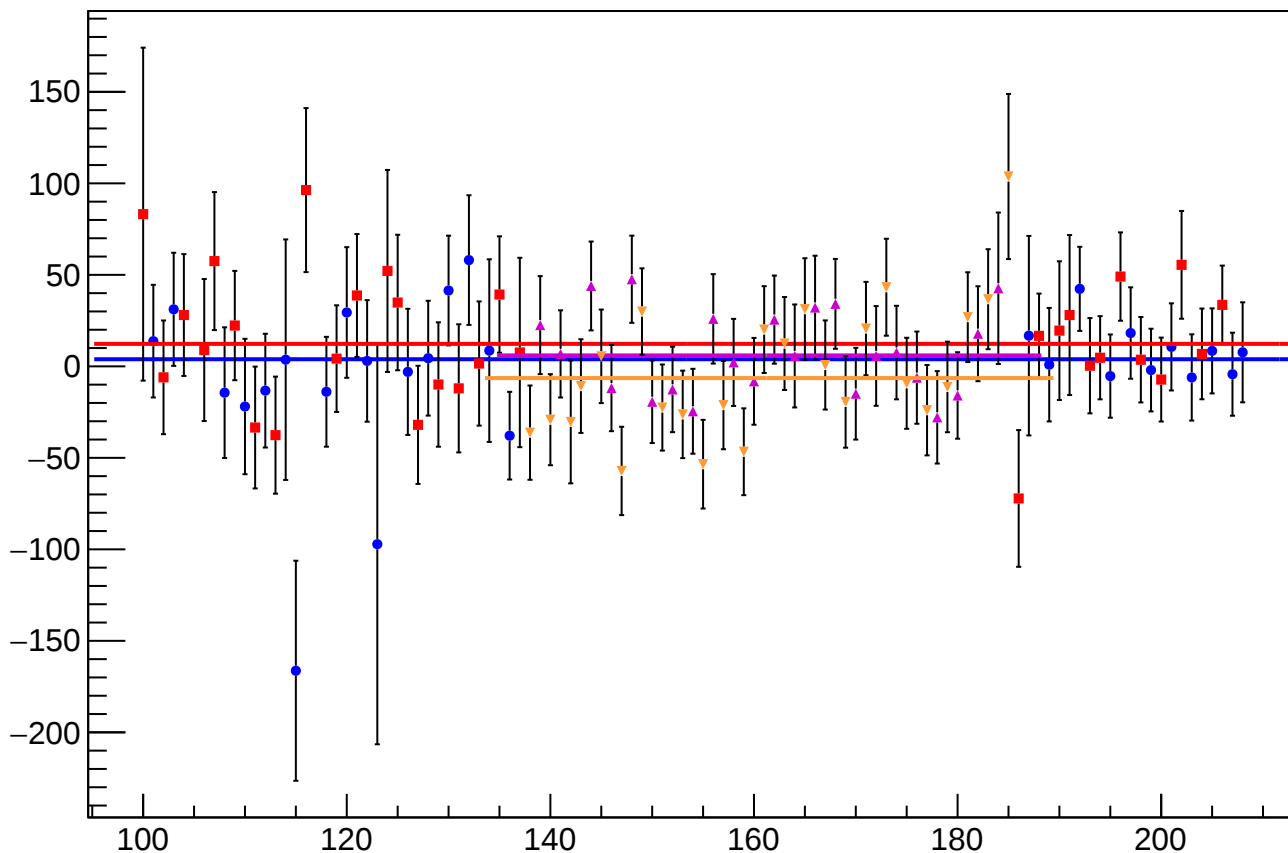
Left In: 15.725 $\pm$ 0.003 χ^2 /NDF:145830.9/22

+ sign 15.859 $\pm$ 0.002 χ^2 /NDF: 255679.8/52

All: 15.873 $\pm$ 0.001 χ^2 /NDF: 500169.7/106

- sign 15.888 $\pm$ 0.002 χ^2 /NDF: 244382.4/53

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 3.887 ± 5.641 χ^2/NDF : 22.5/27

Left Out: -6.404 ± 5.091 χ^2/NDF : 37.4/24

Right Out: 12.285 ± 5.543 χ^2/NDF : 27.8/30

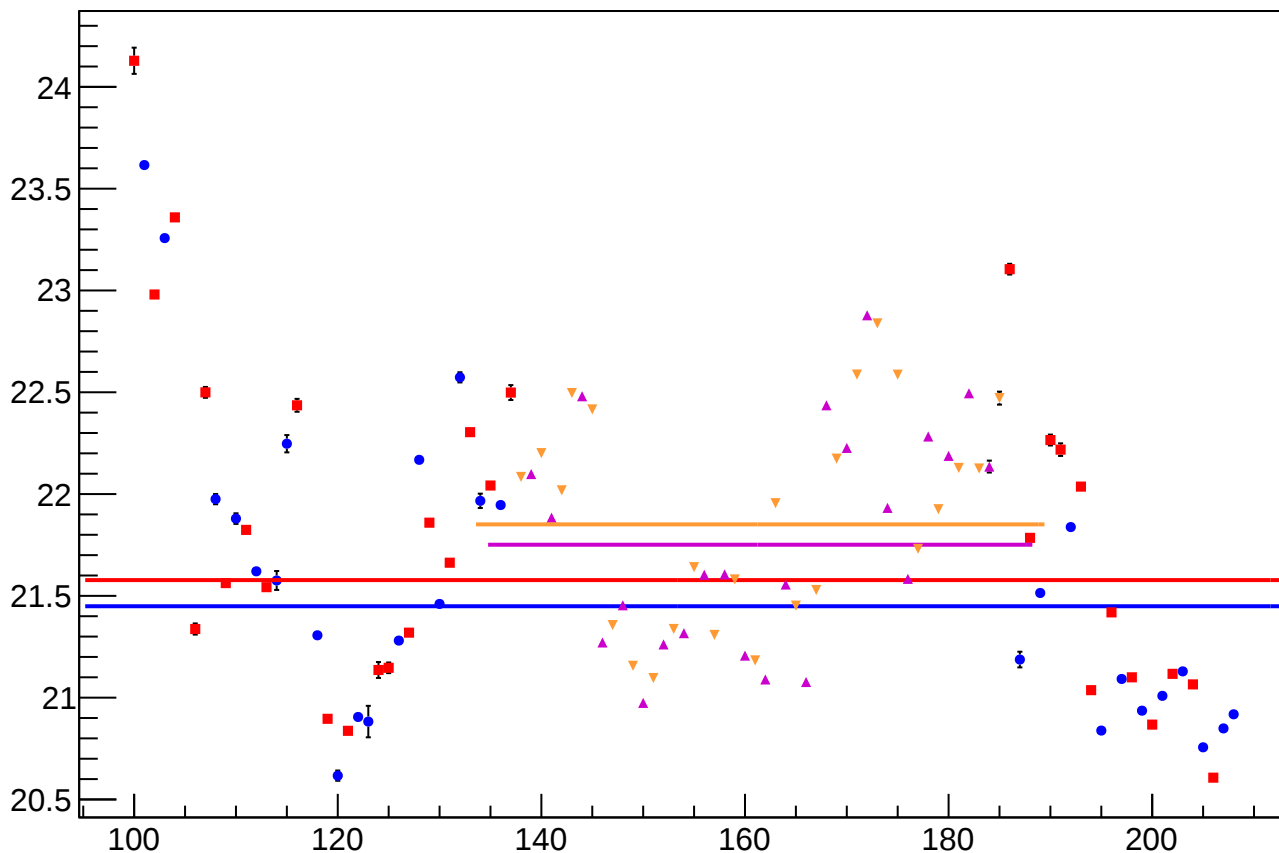
Left In: 5.978 ± 5.222 χ^2/NDF : 18.5/22

+ sign -1.784 ± 3.780 χ^2/NDF : 61.8/52

All: 3.549 ± 2.680 χ^2/NDF : 112.8/106

- sign 8.944 ± 3.801 χ^2/NDF : 47.0/53

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.449 $\pm$ 0.004 χ^2 /NDF: 32293.9/27

Left Out: 21.851 $\pm$ 0.004 χ^2 /NDF:19631.8/24

Right Out: 21.577 $\pm$ 0.004 χ^2 /NDF: 32833.7/30

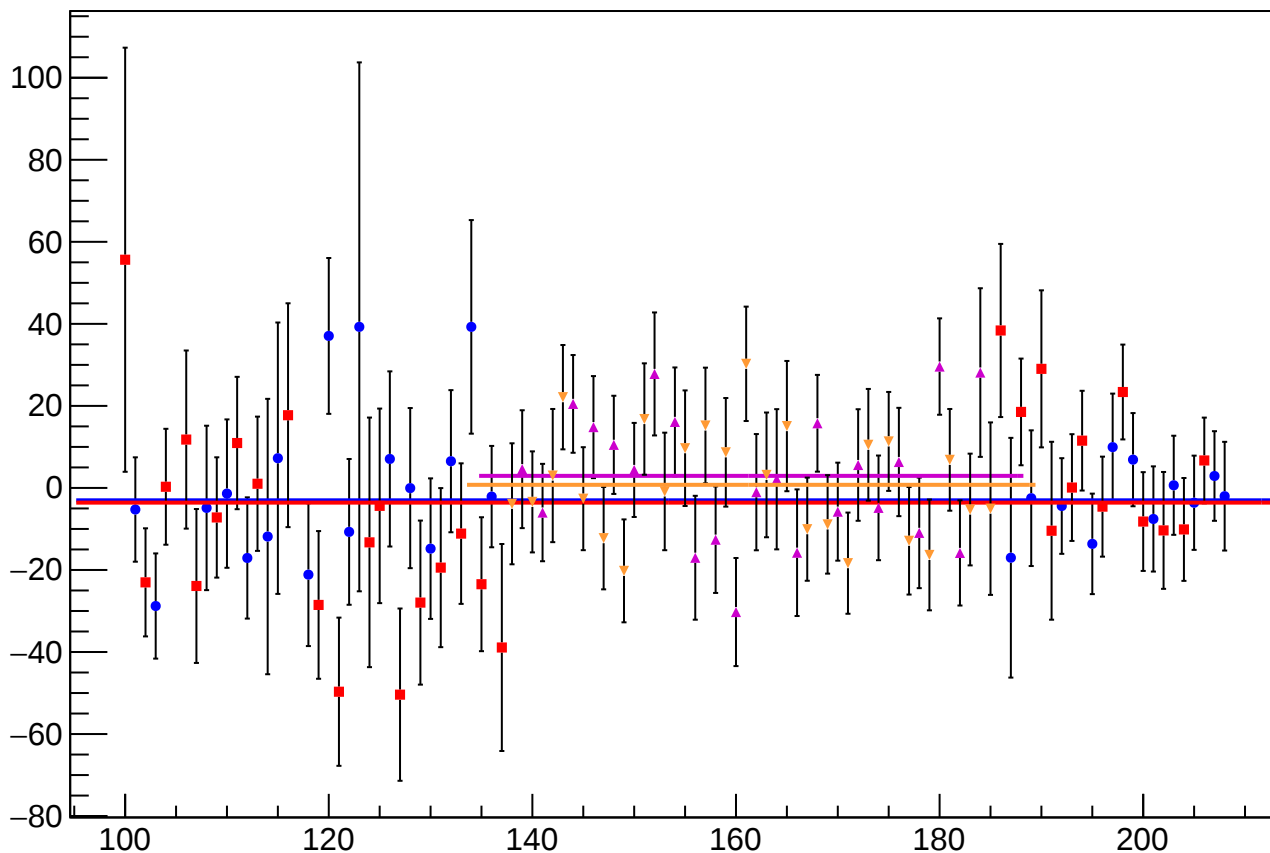
Left In: 21.751 $\pm$ 0.004 χ^2 /NDF:20516.3/22

+ sign 21.671 $\pm$ 0.003 χ^2 /NDF: 57525.8/52

All: 21.670 $\pm$ 0.002 χ^2 /NDF: 111917.0/106

- sign 21.669 $\pm$ 0.003 χ^2 /NDF: 54391.1/53

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.020 $\pm$ 2.883 χ^2/NDF : 18.2/27

Left Out: 0.759 $\pm$ 2.698 χ^2/NDF : 23.8/24

Right Out: -3.581 $\pm$ 2.862 χ^2/NDF : 44.6/30

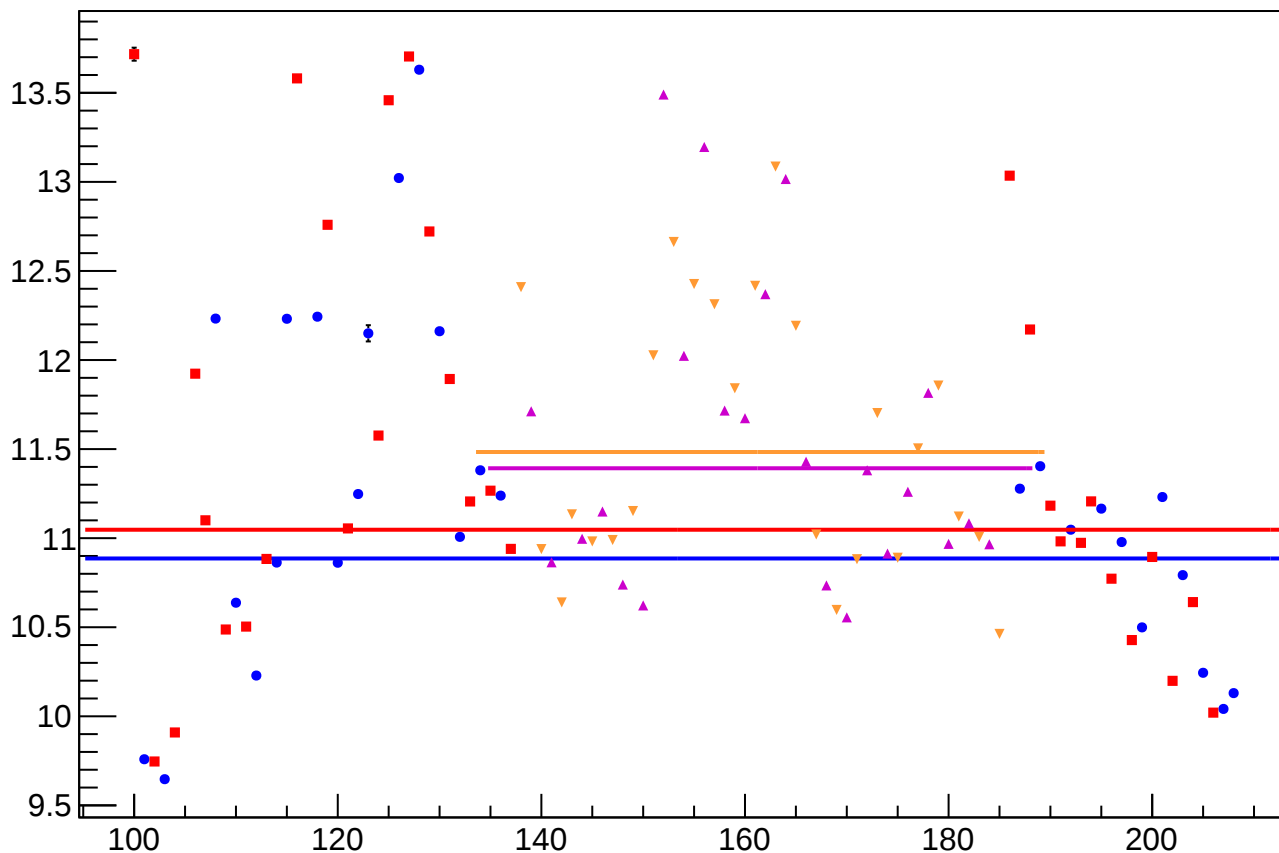
Left In: 2.944 $\pm$ 2.757 χ^2/NDF : 30.9/22

+ sign -1.005 $\pm$ 1.970 χ^2/NDF : 43.0/52

All: -0.604 $\pm$ 1.399 χ^2/NDF : 121.3/106

- sign -0.197 $\pm$ 1.986 χ^2/NDF : 78.3/53

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.886 $\pm$ 0.002 χ^2 /NDF: 170288.1/27

Left Out: 11.484 $\pm$ 0.002 χ^2 /NDF:129805.4/24

Right Out: 11.047 $\pm$ 0.002 χ^2 /NDF: 222255.2/30

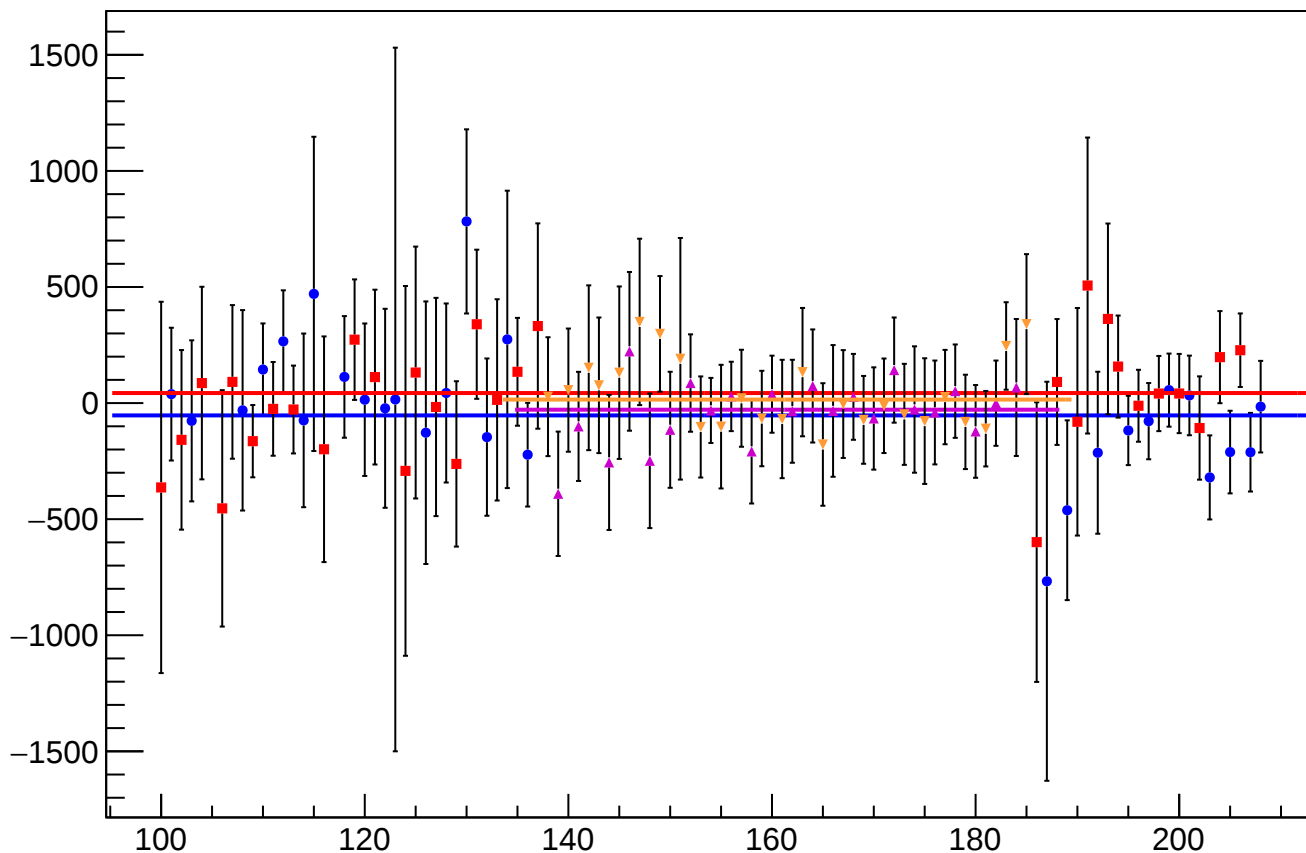
Left In: 11.392 $\pm$ 0.002 χ^2 /NDF:150493.3/22

+ sign 11.205 $\pm$ 0.001 χ^2 /NDF: 345916.1/52

All: 11.215 $\pm$ 0.001 χ^2 /NDF: 733859.9/106

- sign 11.226 $\pm$ 0.001 χ^2 /NDF: 387823.9/53

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -53.087 ± 46.954 χ^2/NDF : 16.5/27

Left Out: 15.130 ± 47.705 χ^2/NDF : 8.0/24

Right Out: 43.242 ± 47.026 χ^2/NDF : 12.2/30

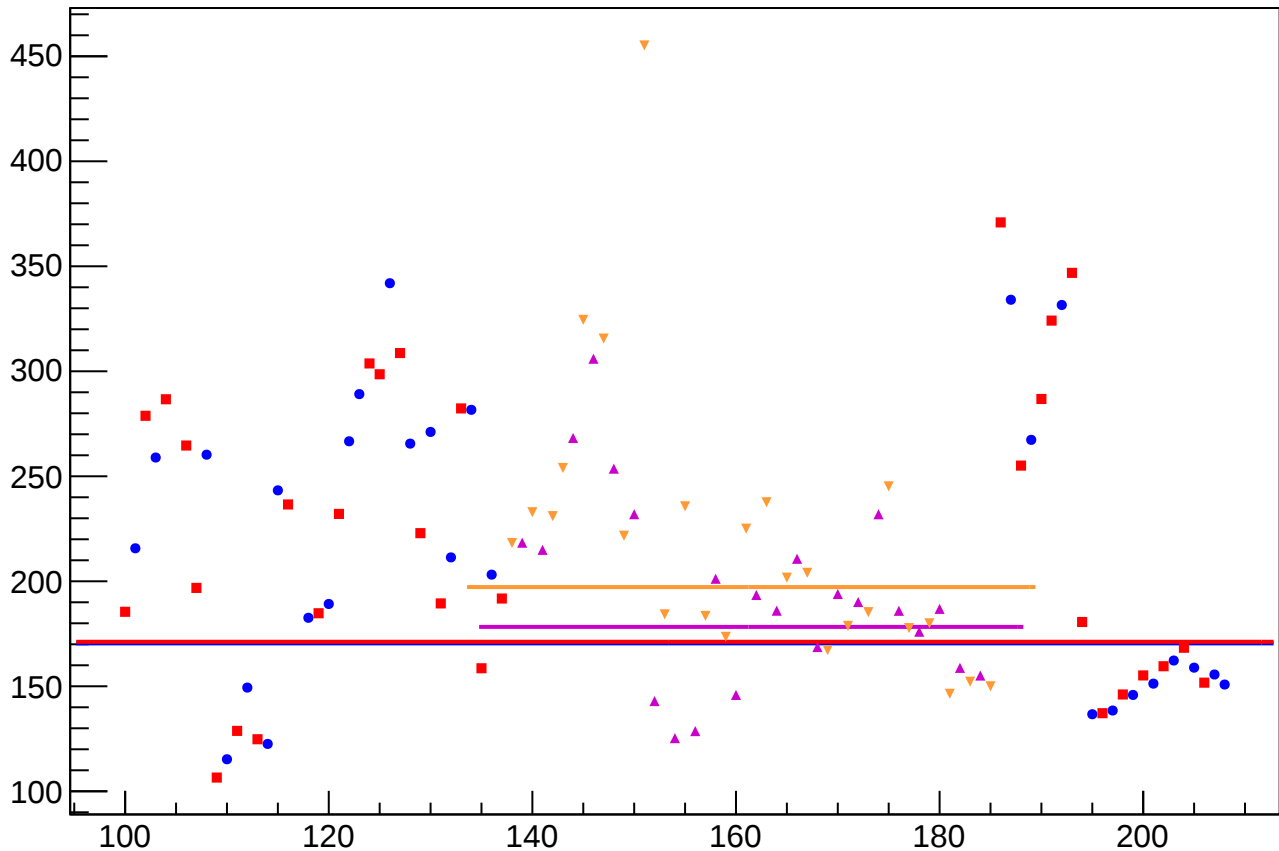
Left In: -28.500 ± 44.797 χ^2/NDF : 6.4/22

+ sign -19.520 ± 33.464 χ^2/NDF : 25.6/52

All: -6.553 ± 23.290 χ^2/NDF : 45.6/106

- sign 5.630 ± 32.436 χ^2/NDF : 19.8/53

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 170.424 $\pm$ 0.033 χ^2 /NDF: 2110223.8/27

Left Out: 197.249 $\pm$ 0.034 χ^2 /NDF:1786808.1/24

Right Out: 171.199 $\pm$ 0.033 χ^2 /NDF: 2770075.3/30

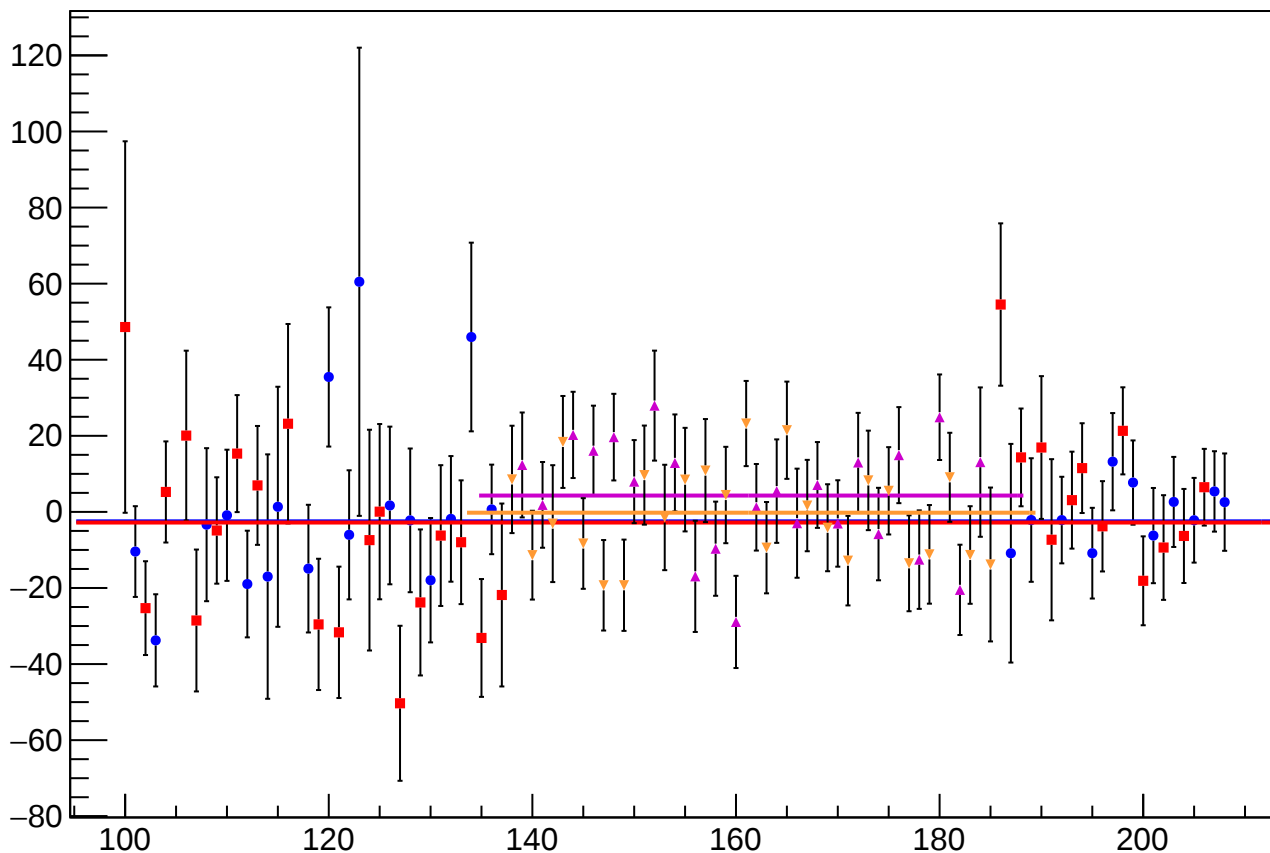
Left In: 178.277 $\pm$ 0.032 χ^2 /NDF:1628916.6/22

+ sign 183.624 $\pm$ 0.024 χ^2 /NDF: 4218240.5/52

All: 179.131 $\pm$ 0.016 χ^2 /NDF: 8710919.6/100

- sign 174.910 $\pm$ 0.023 χ^2 /NDF: 4422747.3/53

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -2.481 ± 2.783 χ^2/NDF : 23.4/27

Left Out: -0.211 ± 2.523 χ^2/NDF : 24.5/24

Right Out: -2.796 ± 2.770 χ^2/NDF : 46.2/30

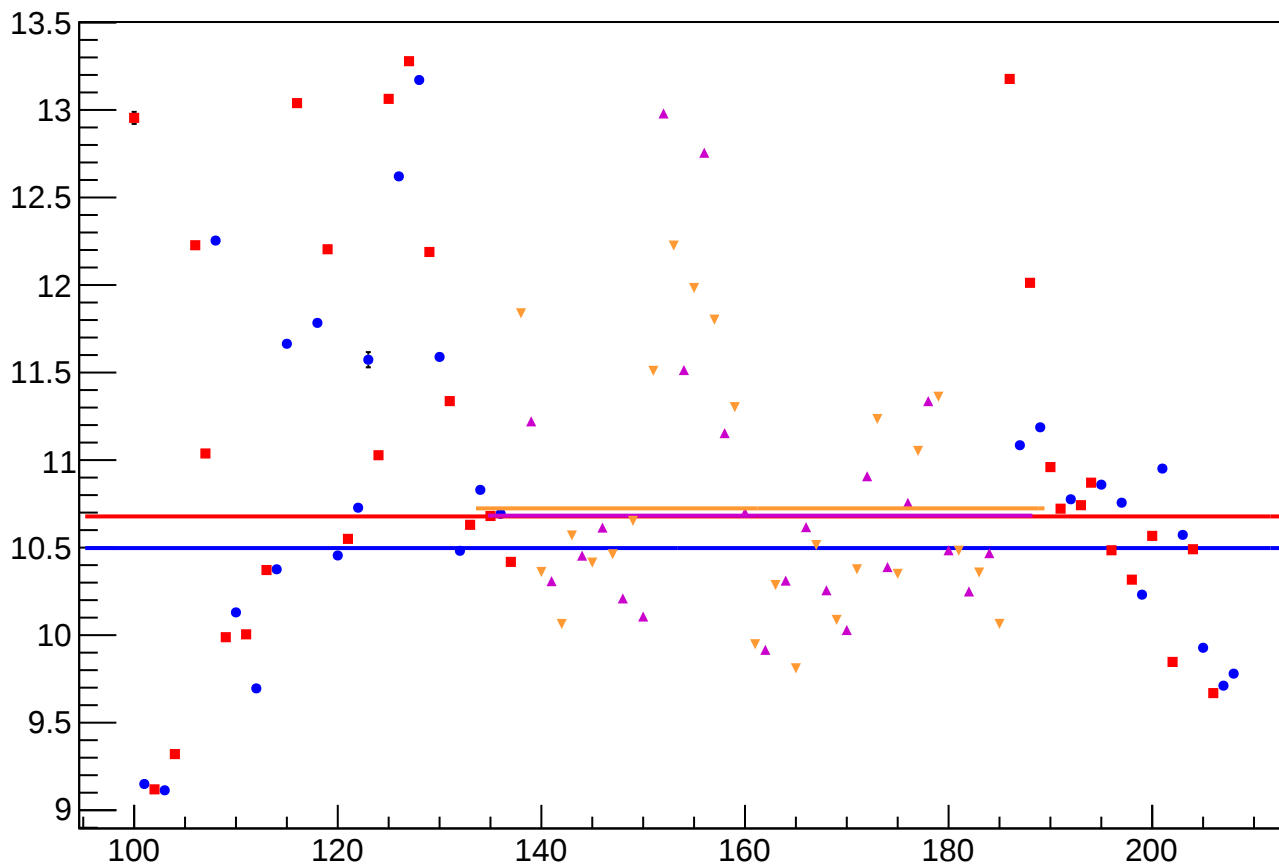
Left In: 4.298 ± 2.589 χ^2/NDF : 31.6/22

+ sign -1.235 ± 1.870 χ^2/NDF : 48.3/52

All: -0.136 ± 1.330 χ^2/NDF : 130.2/106

- sign 0.990 ± 1.891 χ^2/NDF : 81.2/53

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.497 $\pm$ 0.002 χ^2 /NDF: 195478.8/27

Left Out: 10.724 $\pm$ 0.002 χ^2 /NDF:132558.9/24

Right Out: 10.678 $\pm$ 0.002 χ^2 /NDF: 259051.8/30

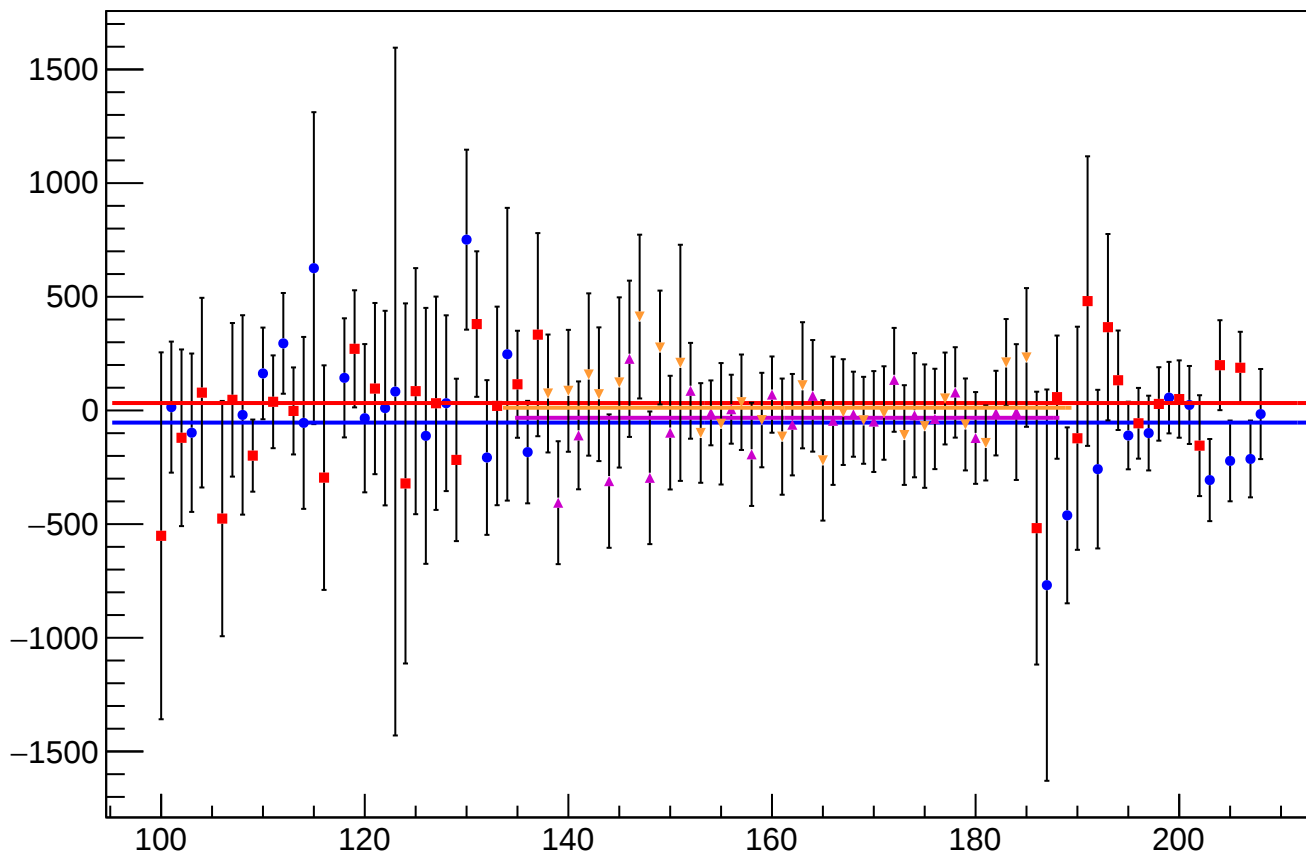
Left In: 10.683 $\pm$ 0.002 χ^2 /NDF:147835.6/22

+ sign 10.622 $\pm$ 0.001 χ^2 /NDF: 335324.1/52

All: 10.651 $\pm$ 0.001 χ^2 /NDF: 743187.0/106

- sign 10.681 $\pm$ 0.001 χ^2 /NDF: 406890.2/53

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -53.440 ± 47.033 $\chi^2/\text{NDF}: 17.1/27$

Left Out: 11.891 ± 48.022 $\chi^2/\text{NDF}: 7.6/24$

Right Out: 32.662 ± 47.196 $\chi^2/\text{NDF}: 12.6/30$

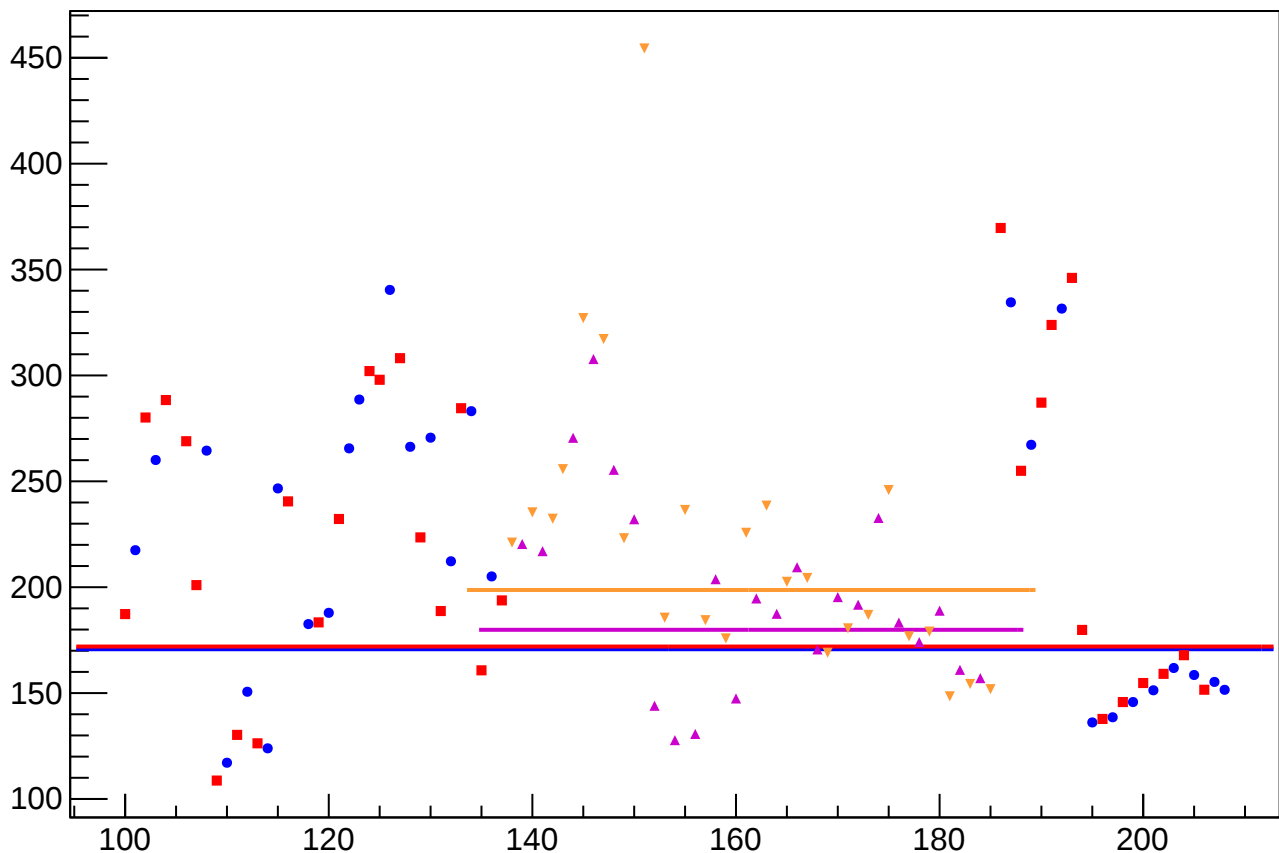
Left In: -32.413 ± 45.155 $\chi^2/\text{NDF}: 6.9/22$

+ sign -21.455 ± 33.601 $\chi^2/\text{NDF}: 25.7/52$

All: -11.087 ± 23.408 $\chi^2/\text{NDF}: 46.4/106$

- sign -1.313 ± 32.627 $\chi^2/\text{NDF}: 20.5/53$

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 170.713 $\pm$ 0.033 χ^2 /NDF: 2109113.9/27

Left Out: 198.695 $\pm$ 0.034 χ^2 /NDF:1759311.9/24

Right Out: 171.977 $\pm$ 0.033 χ^2 /NDF: 2728236.3/30

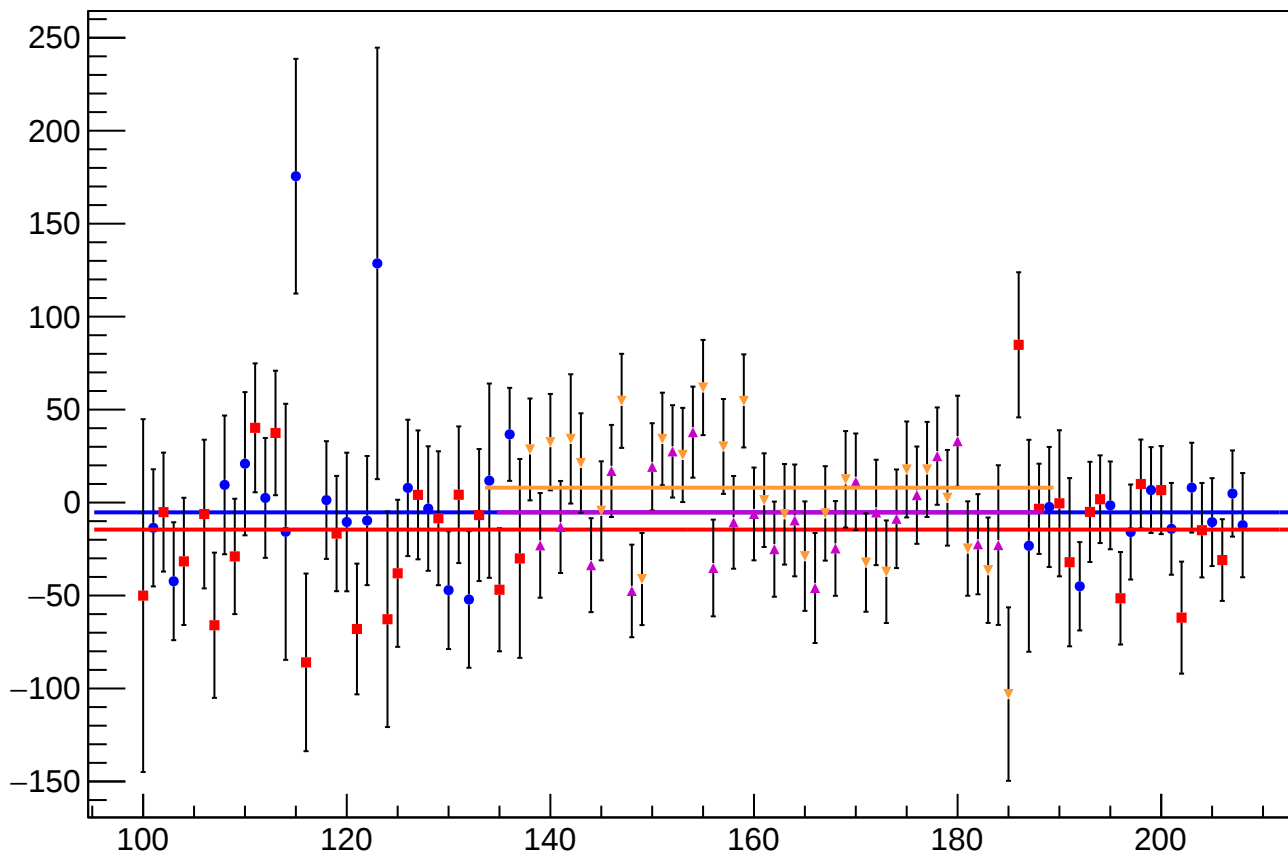
Left In: 179.886 $\pm$ 0.032 χ^2 /NDF:1580636.4/22

+ sign 184.412 $\pm$ 0.024 χ^2 /NDF: 4215032.7/52

All: 180.137 $\pm$ 0.017 χ^2 /NDF: 8616136.1/100

- sign 176.106 $\pm$ 0.023 χ^2 /NDF: 4338199.9/53

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.266 ± 5.842 $\chi^2/\text{NDF}: 22.3/27$

Left Out: 8.004 ± 5.334 $\chi^2/\text{NDF}: 37.4/24$

Right Out: -14.536 ± 5.759 $\chi^2/\text{NDF}: 29.3/30$

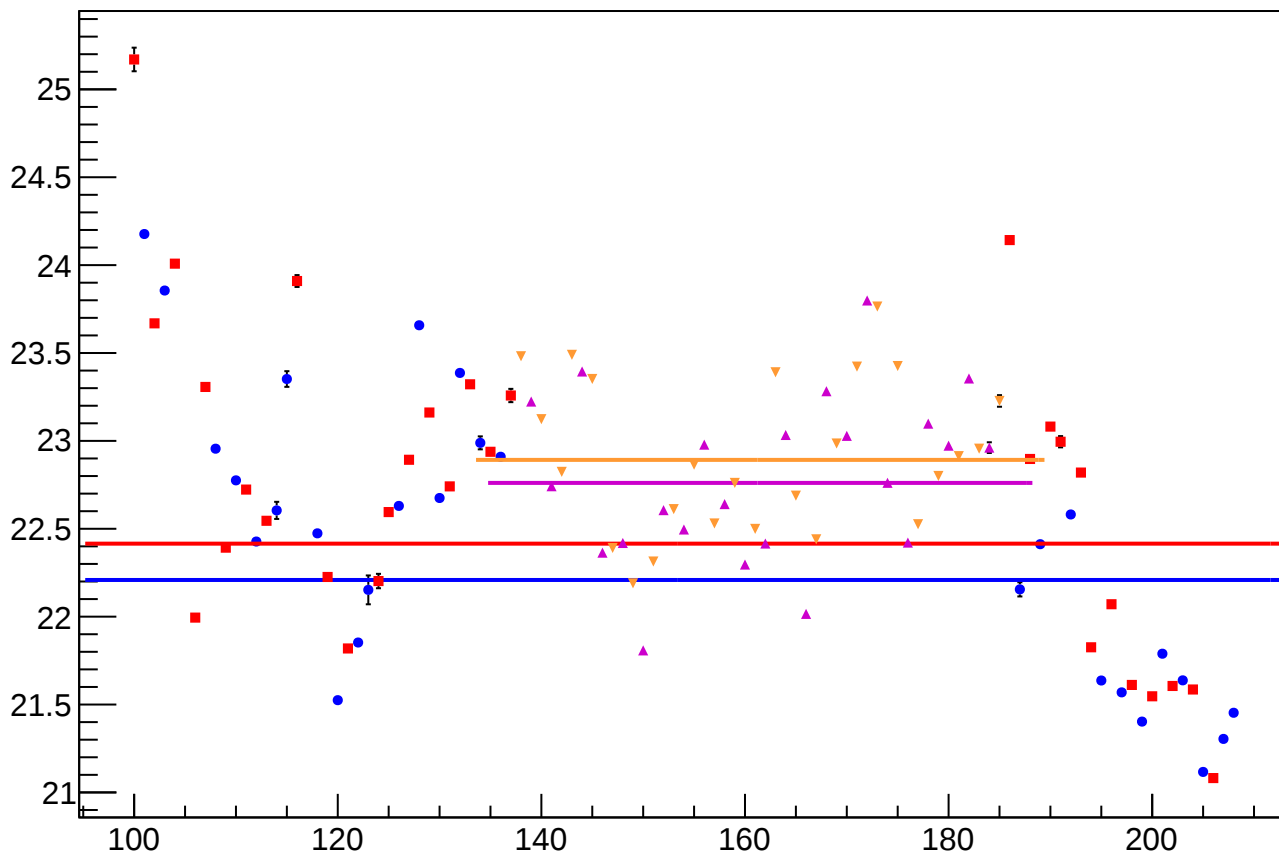
Left In: -5.261 ± 5.465 $\chi^2/\text{NDF}: 20.8/22$

+ sign 1.971 ± 3.939 $\chi^2/\text{NDF}: 62.5/52$

All: -3.806 ± 2.794 $\chi^2/\text{NDF}: 118.3/106$

- sign -9.655 ± 3.964 $\chi^2/\text{NDF}: 51.4/53$

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.209+/-0.004 χ^2/NDF : 40692.3/27

Left Out: 22.892+/-0.004 χ^2/NDF : 12995.5/24

Right Out: 22.415+/-0.004 χ^2/NDF : 40510.1/30

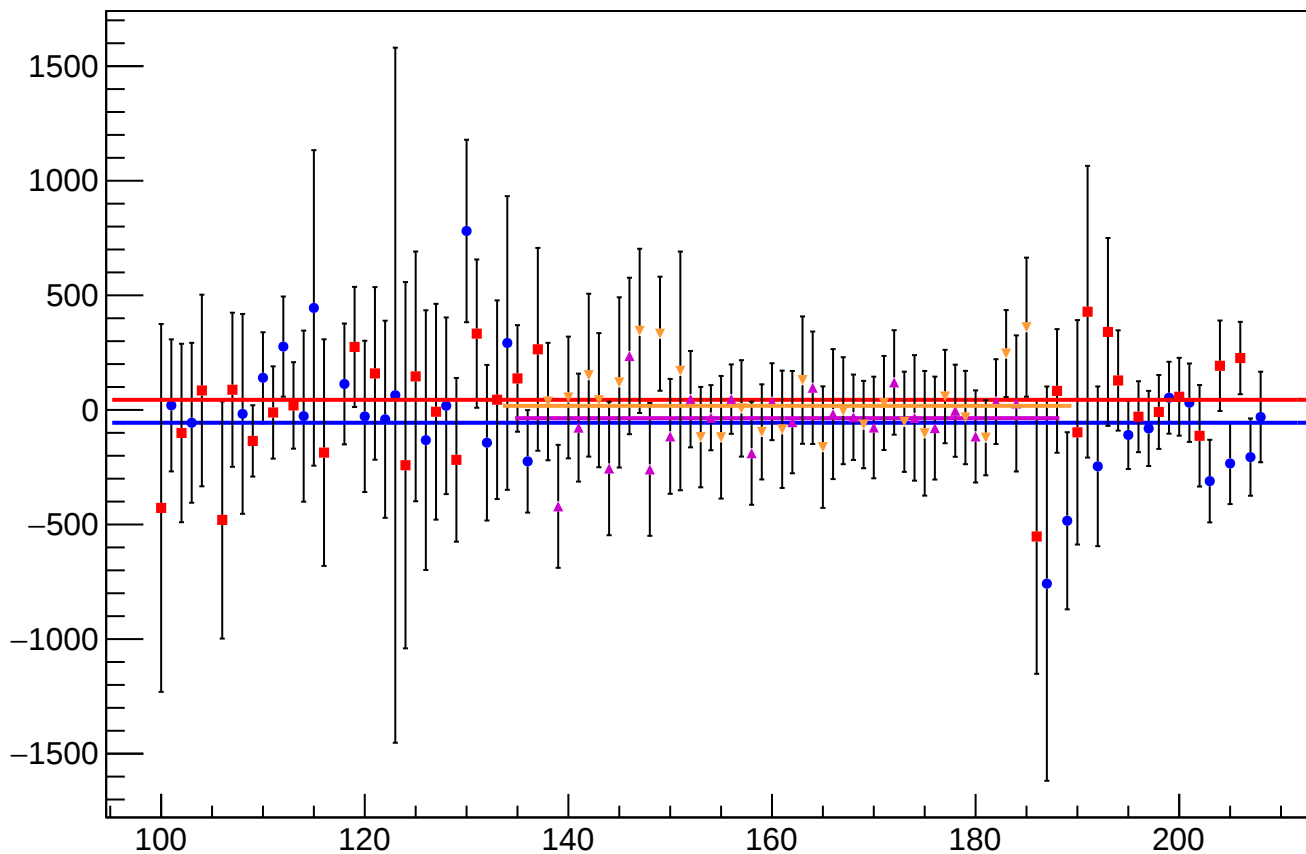
Left In: 22.761+/-0.004 χ^2/NDF : 14550.0/22

+ sign 22.581+/-0.003 χ^2/NDF : 68606.3/52

All: 22.589+/-0.002 χ^2/NDF : 127472.1/106

- sign 22.597+/-0.003 χ^2/NDF : 58849.6/53

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -56.037 ± 46.897 χ^2/NDF : 16.6/27

Left Out: 17.777 ± 47.941 χ^2/NDF : 8.5/24

Right Out: 44.100 ± 46.980 χ^2/NDF : 10.8/30

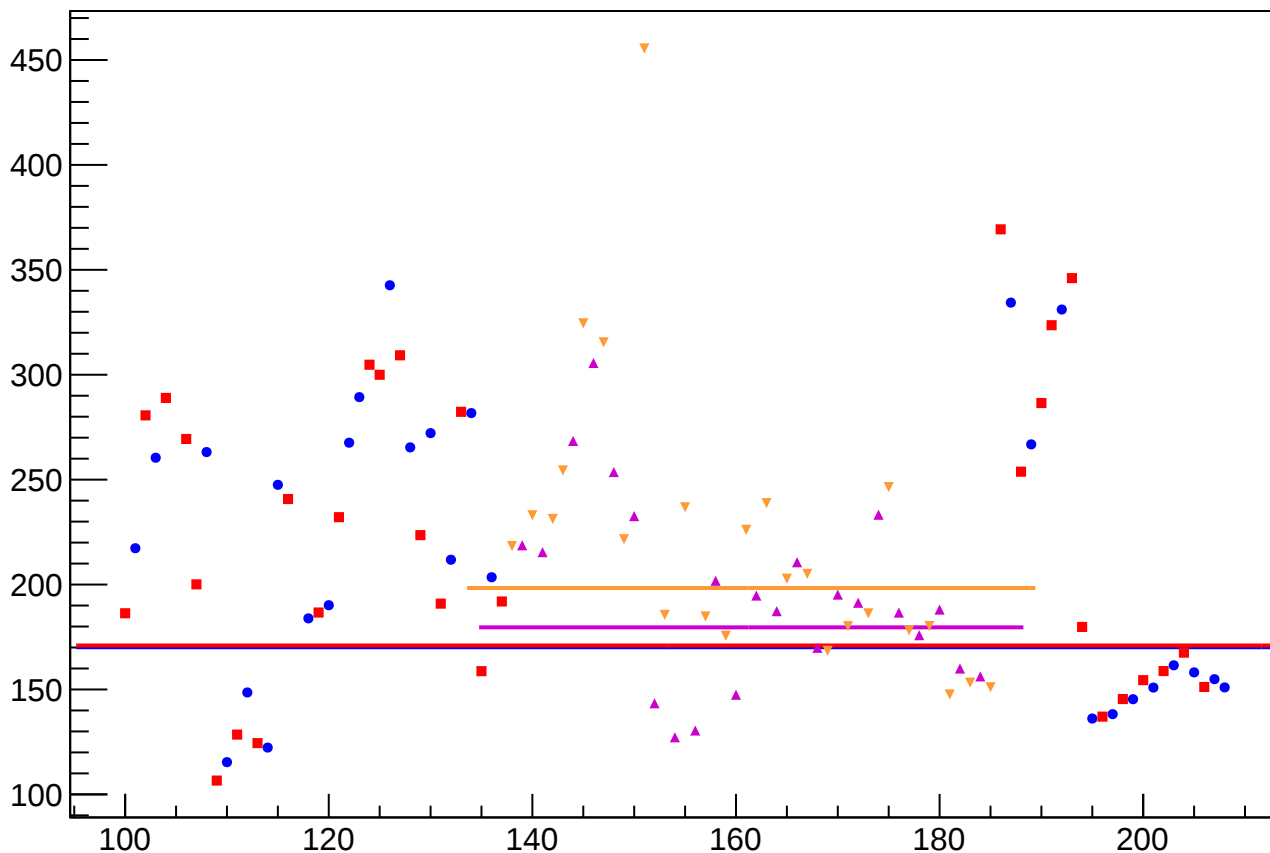
Left In: -35.879 ± 45.087 χ^2/NDF : 6.3/22

+ sign -19.943 ± 33.524 χ^2/NDF : 26.4/52

All: -8.401 ± 23.346 χ^2/NDF : 45.3/106

- sign 2.467 ± 32.530 χ^2/NDF : 18.7/53

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 170.134+/-0.033 χ^2/NDF : 2139302.7/27

Left Out: 198.344+/-0.034 χ^2/NDF :1757450.6/24

Right Out: 170.964+/-0.033 χ^2/NDF : 2797642.9/30

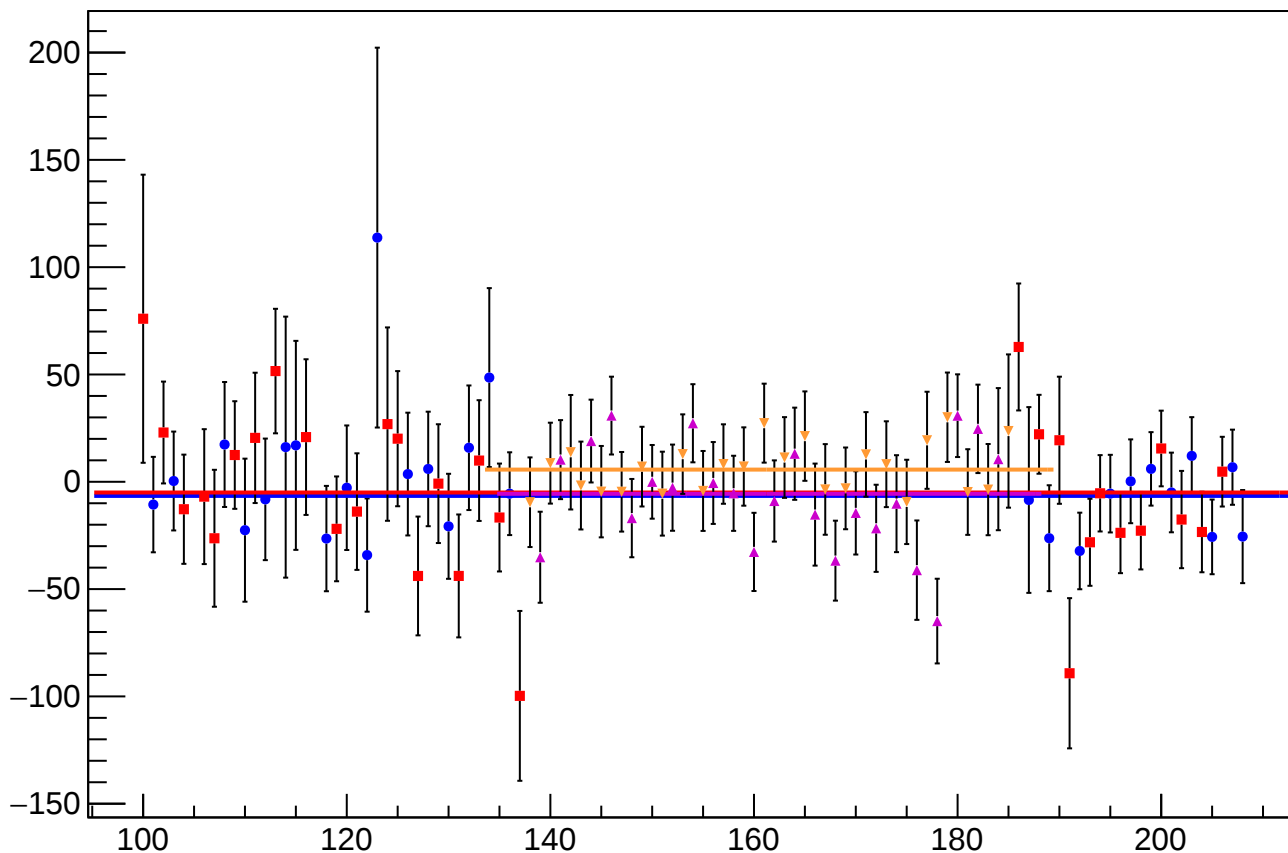
Left In: 179.605+/-0.032 χ^2/NDF :1575744.0/22

+ sign 183.928+/-0.024 χ^2/NDF : 4250627.1/52

All: 179.568+/-0.017 χ^2/NDF : 8724924.7/106

- sign 175.462+/-0.023 χ^2/NDF : 4408606.8/53

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -6.579 ± 4.465 χ^2/NDF : 15.1/27

Left Out: 5.680 ± 4.024 χ^2/NDF : 7.7/24

Right Out: -4.994 ± 4.412 χ^2/NDF : 40.8/30

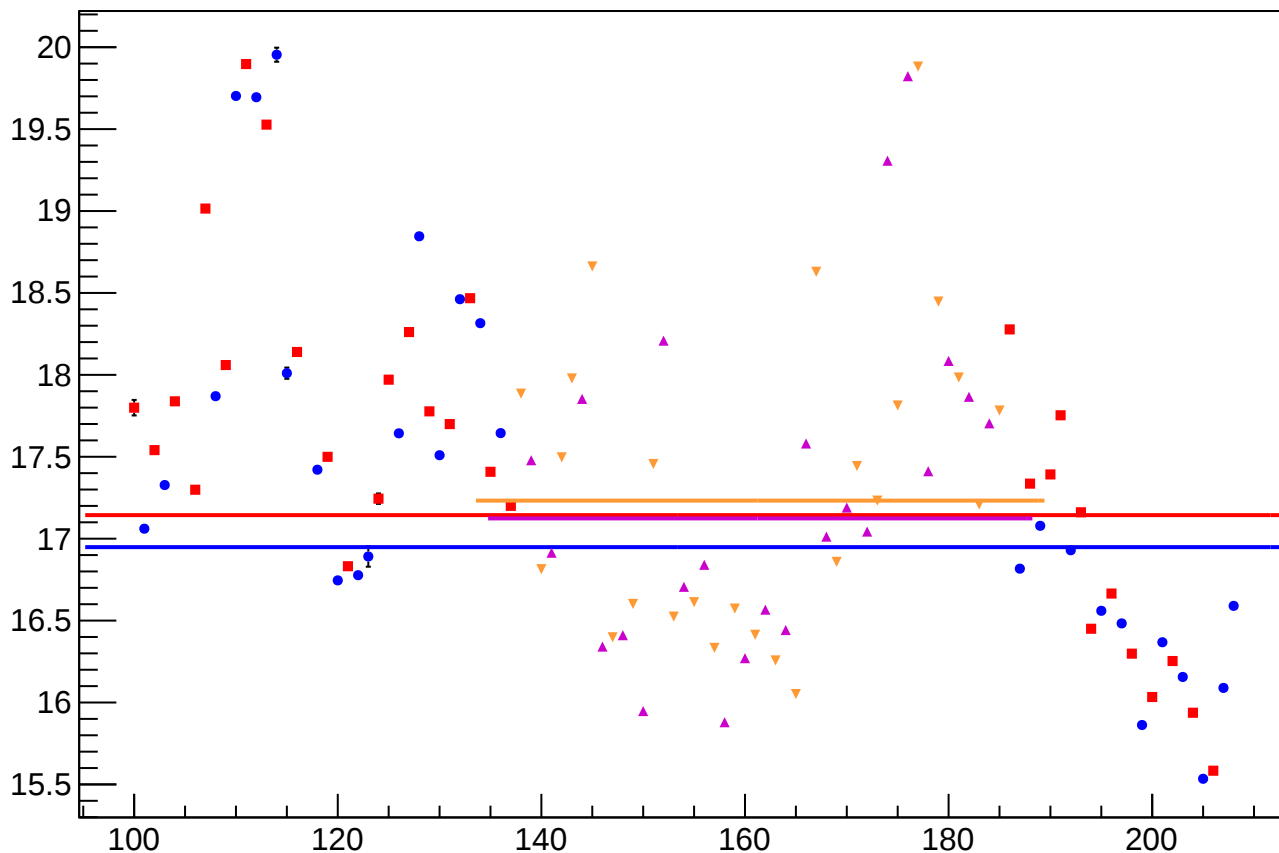
Left In: -5.595 ± 4.121 χ^2/NDF : 36.4/22

+ sign 0.186 ± 2.989 χ^2/NDF : 27.0/52

All: -2.543 ± 2.122 χ^2/NDF : 105.9/106

- sign -5.315 ± 3.012 χ^2/NDF : 77.2/53

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 16.948 $\pm$ 0.003 χ^2 /NDF: 98938.9/27

Left Out: 17.232 $\pm$ 0.003 χ^2 /NDF: 98701.0/24

Right Out: 17.144 $\pm$ 0.003 χ^2 /NDF: 105463.2/30

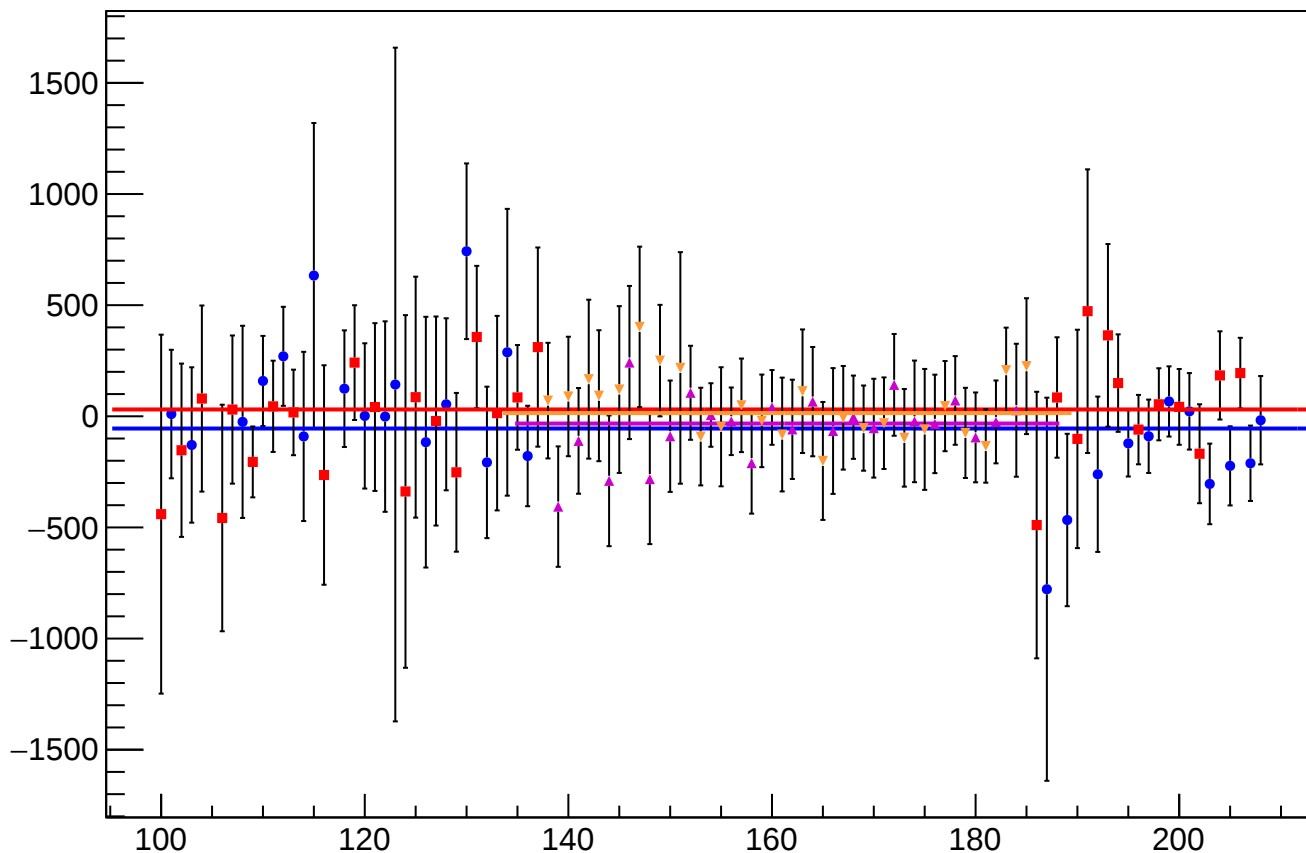
Left In: 17.124 $\pm$ 0.003 χ^2 /NDF: 100747.0/22

+ sign 17.105 $\pm$ 0.002 χ^2 /NDF: 202107.6/52

All: 17.119 $\pm$ 0.002 χ^2 /NDF: 408426.6/106

- sign 17.133 $\pm$ 0.002 χ^2 /NDF: 206232.3/53

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -55.044 ± 47.174 χ^2/NDF : 16.7/27

Left Out: 14.362 ± 48.130 χ^2/NDF : 6.9/24

Right Out: 30.791 ± 47.313 χ^2/NDF : 12.2/30

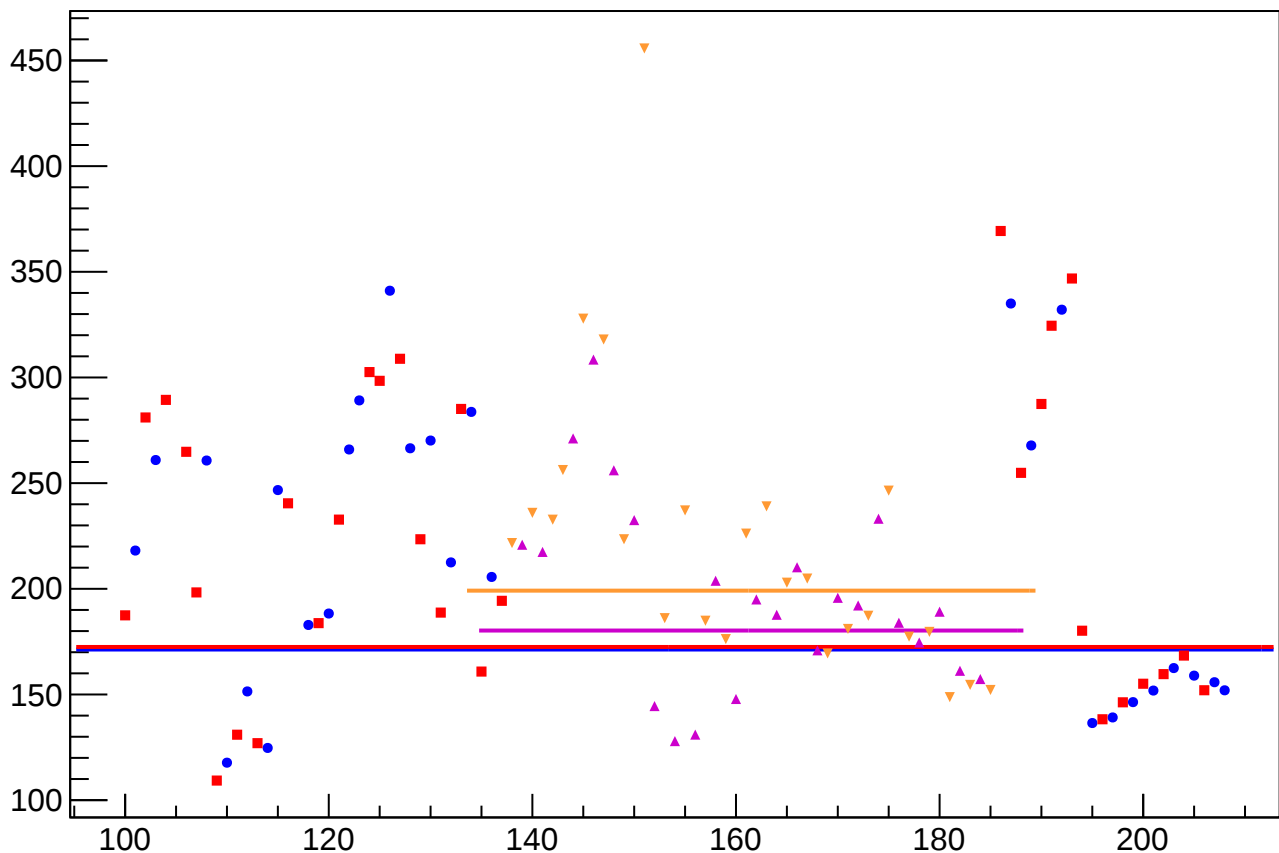
Left In: -32.571 ± 45.248 χ^2/NDF : 6.7/22

+ sign -21.037 ± 33.690 χ^2/NDF : 24.7/52

All: -11.391 ± 23.465 χ^2/NDF : 44.7/106

- sign -2.303 ± 32.701 χ^2/NDF : 19.8/53

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 171.281+/-0.033 χ^2/NDF : 2091240.5/27

Left Out: 199.136+/-0.034 χ^2/NDF :1760298.1/24

Right Out: 172.480+/-0.033 χ^2/NDF : 2704343.8/30

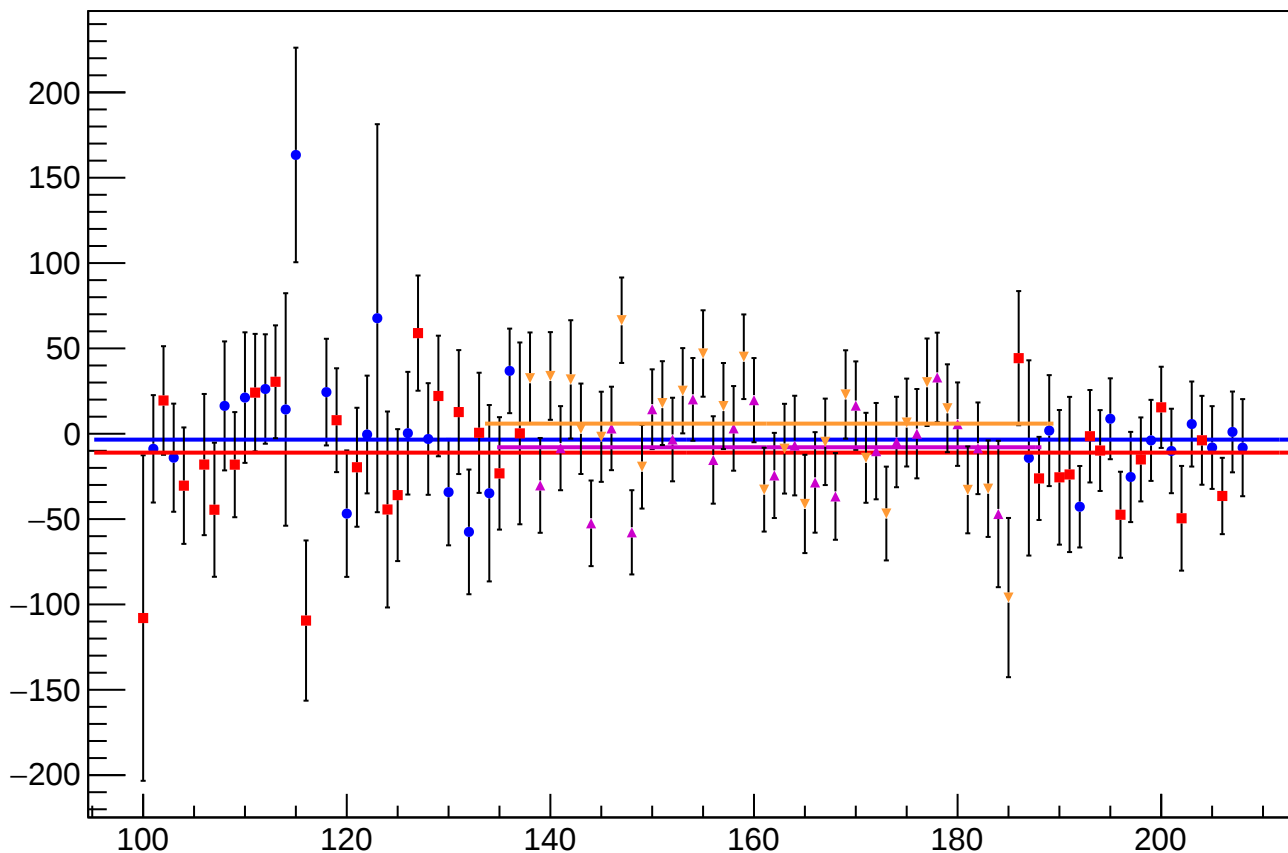
Left In: 180.256+/-0.032 χ^2/NDF :1580553.5/22

+ sign 184.929+/-0.024 χ^2/NDF : 4193208.2/52

All: 180.610+/-0.017 χ^2/NDF : 8570152.2/106

- sign 176.542+/-0.023 χ^2/NDF : 4313117.3/53

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -3.439 ± 5.876 χ^2/NDF : 21.6/27

Left Out: 5.937 ± 5.285 χ^2/NDF : 36.1/24

Right Out: -11.067 ± 5.774 χ^2/NDF : 26.2/30

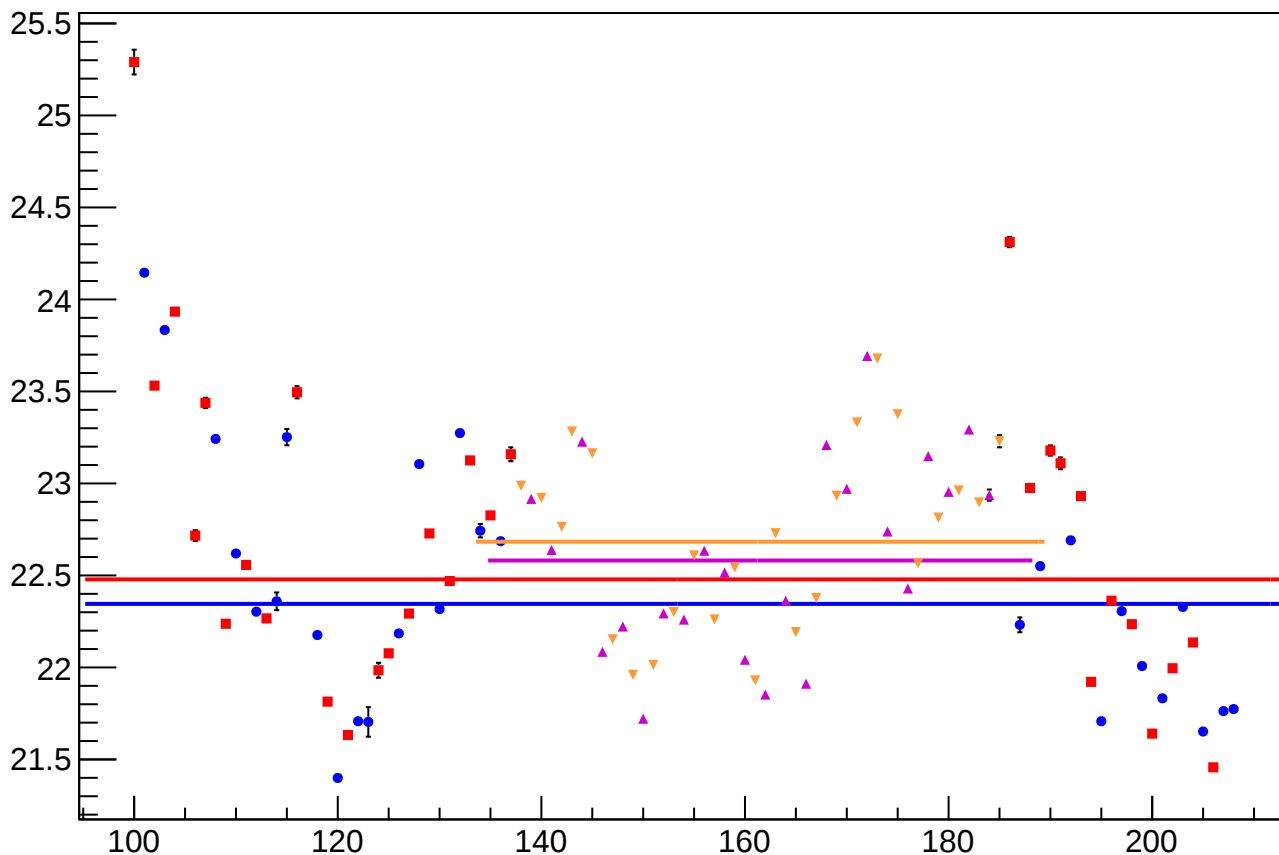
Left In: -7.915 ± 5.422 χ^2/NDF : 18.7/22

+ sign 1.745 ± 3.930 χ^2/NDF : 59.1/52

All: -3.792 ± 2.787 χ^2/NDF : 108.2/106

- sign -9.392 ± 3.952 χ^2/NDF : 45.1/53

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.345 $\pm$ 0.004 χ^2 /NDF: 24509.5/27

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF:16320.2/24

Right Out: 22.478 $\pm$ 0.004 χ^2 /NDF: 29469.4/30

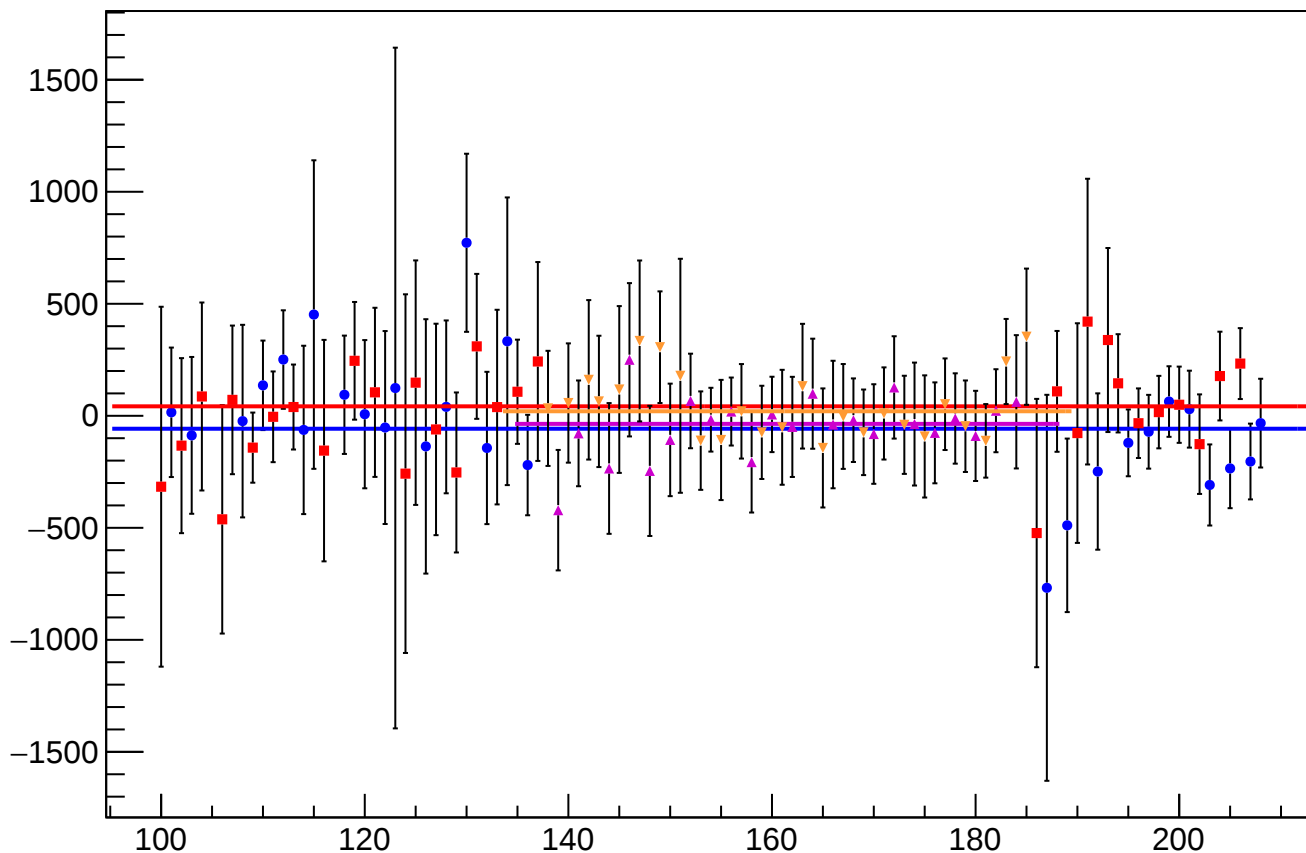
Left In: 22.581 $\pm$ 0.004 χ^2 /NDF:17904.5/22

+ sign 22.532 $\pm$ 0.003 χ^2 /NDF: 44482.4/52

All: 22.533 $\pm$ 0.002 χ^2 /NDF: 92193.6/106

- sign 22.533 $\pm$ 0.003 χ^2 /NDF: 47711.1/53

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -57.724 ± 47.039 χ^2/NDF : 16.3/27

Left Out: 20.306 ± 48.049 χ^2/NDF : 7.7/24

Right Out: 42.280 ± 47.100 χ^2/NDF : 10.4/30

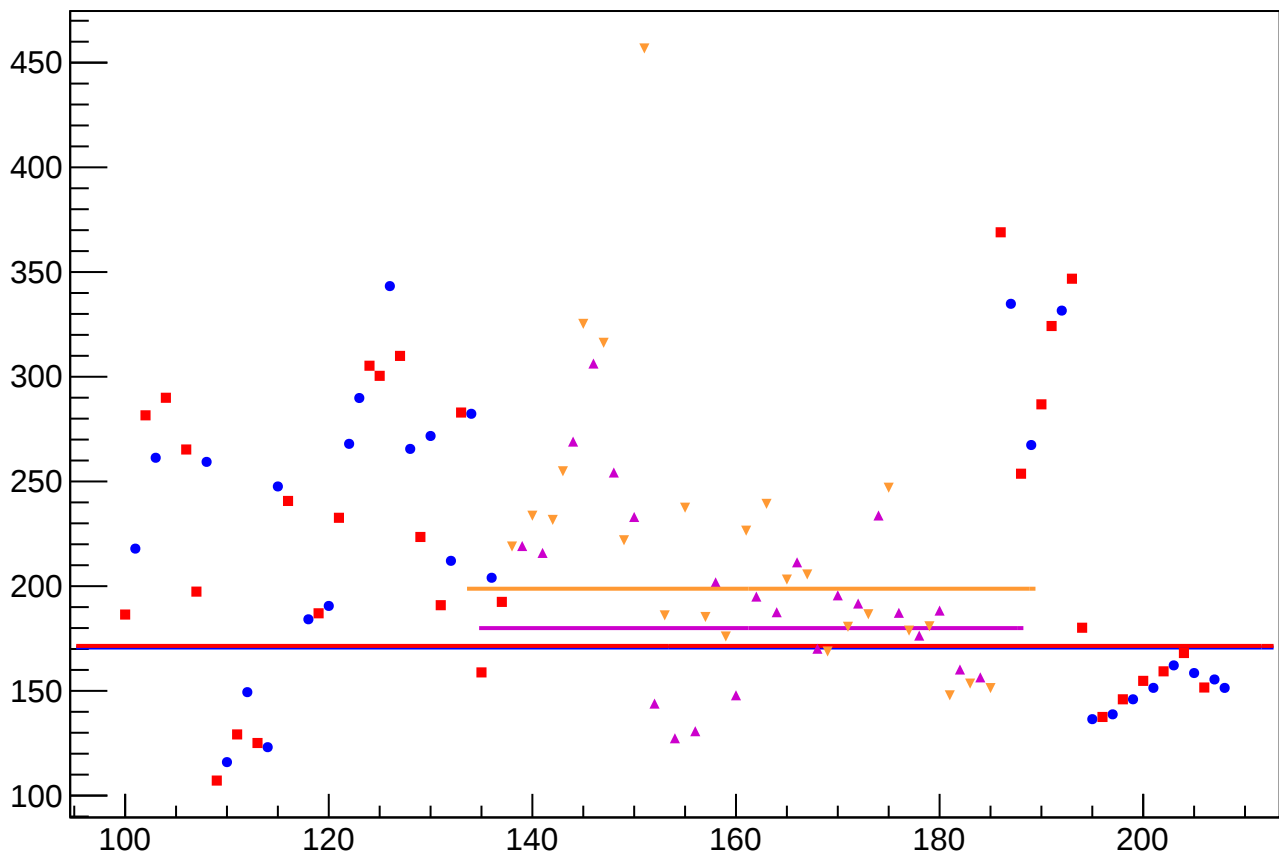
Left In: -35.996 ± 45.180 χ^2/NDF : 6.1/22

+ sign -19.538 ± 33.613 χ^2/NDF : 25.3/52

All: -8.691 ± 23.403 χ^2/NDF : 43.4/106

- sign 1.514 ± 32.605 χ^2/NDF : 17.9/53

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 170.708 $\pm$ 0.033 χ^2/NDF : 2120846.8/27

Left Out: 198.784 $\pm$ 0.034 χ^2/NDF : 1758481.8/24

Right Out: 171.475 $\pm$ 0.033 χ^2/NDF : 2772812.6/30

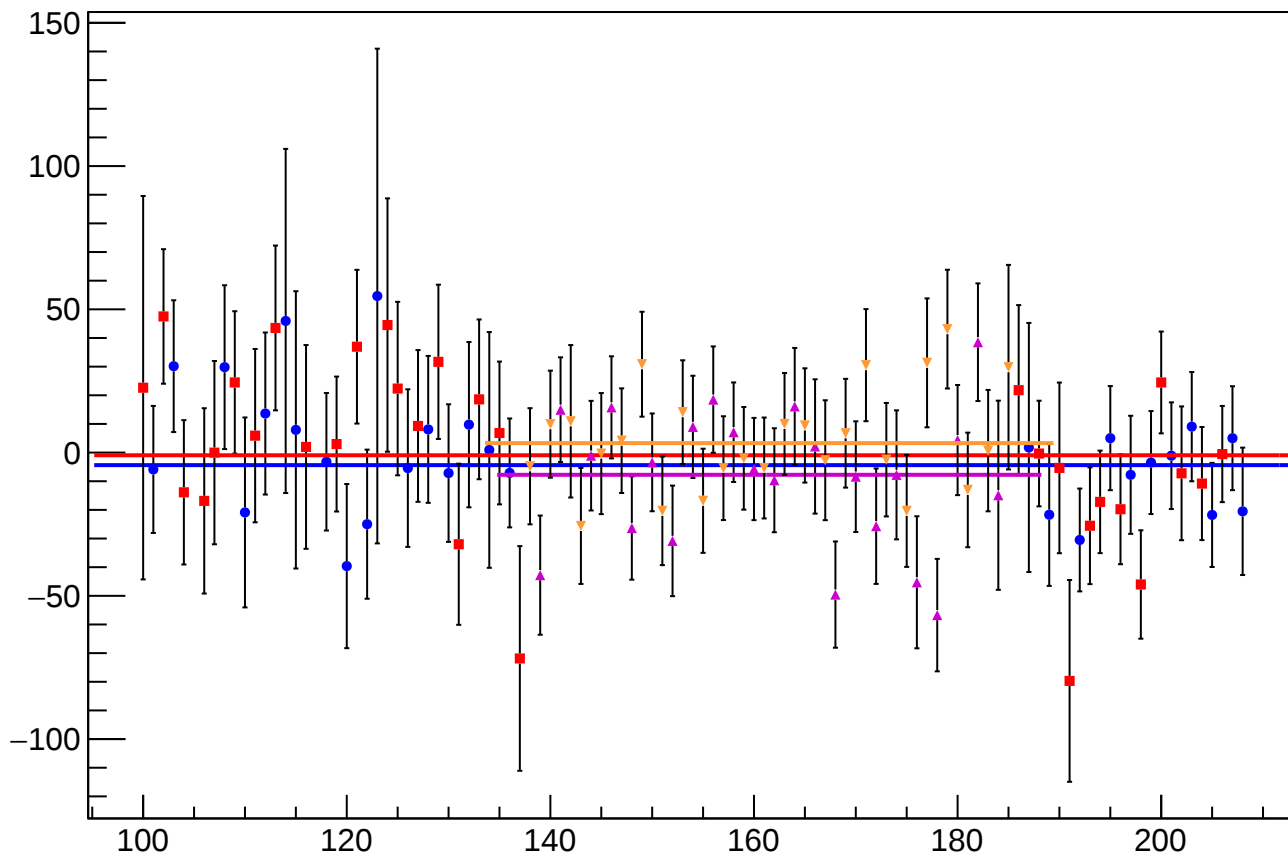
Left In: 179.972 $\pm$ 0.032 χ^2/NDF : 1575888.3/22

+ sign 184.448 $\pm$ 0.024 χ^2/NDF : 4228032.4/52

All: 180.044 $\pm$ 0.017 χ^2/NDF : 8677268.7/106

- sign 175.900 $\pm$ 0.023 χ^2/NDF : 4382604.1/53

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -4.382 ± 4.509 χ^2/NDF : 13.4/27

Left Out: 3.307 ± 3.954 χ^2/NDF : 18.7/24

Right Out: -0.933 ± 4.435 χ^2/NDF : 35.7/30

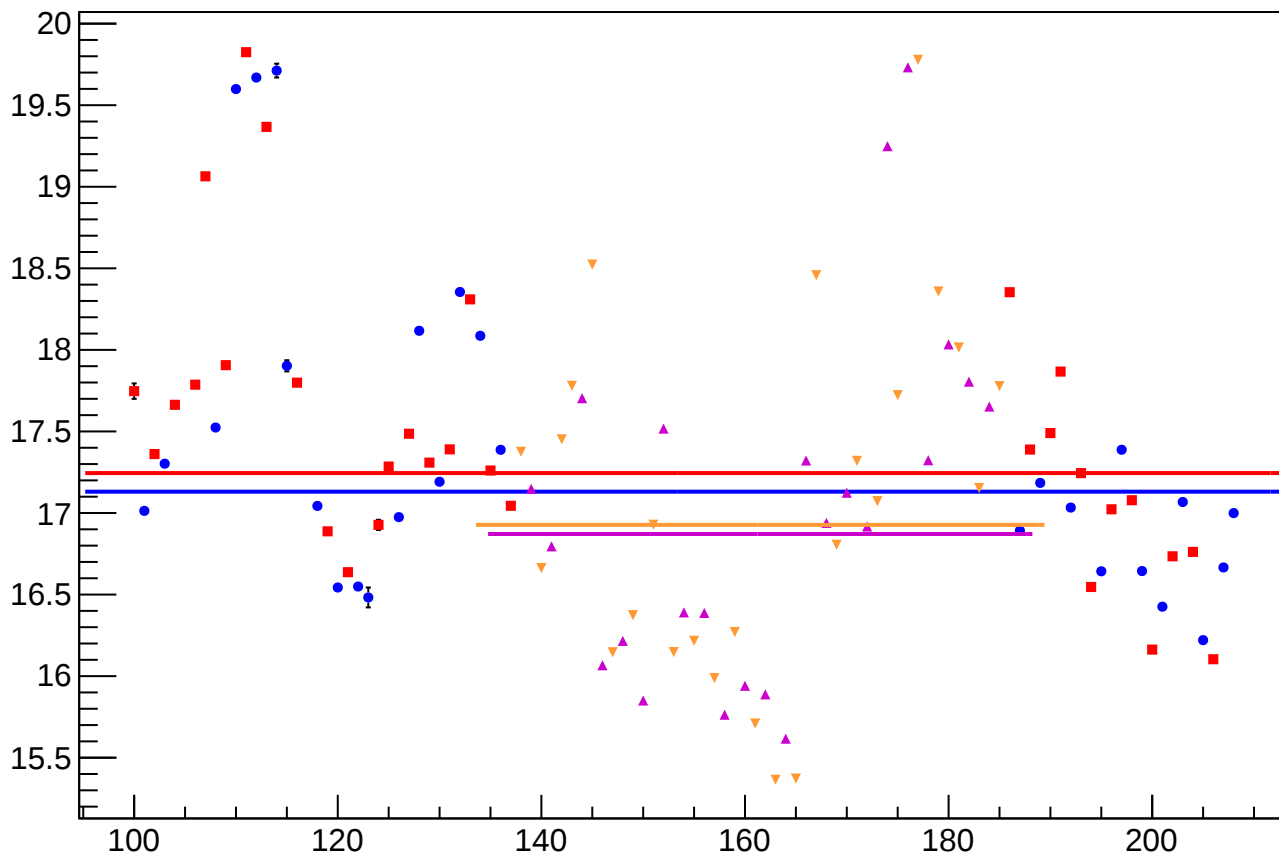
Left In: -7.756 ± 4.061 χ^2/NDF : 34.3/22

+ sign -0.035 ± 2.973 χ^2/NDF : 33.8/52

All: -2.323 ± 2.110 χ^2/NDF : 106.2/106

- sign -4.645 ± 2.995 χ^2/NDF : 71.2/53

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.131 $\pm$ 0.003 χ^2 /NDF: 54646.5/27

Left Out: 16.927 $\pm$ 0.003 χ^2 /NDF:138533.2/24

Right Out: 17.245 $\pm$ 0.003 χ^2 /NDF: 65835.2/30

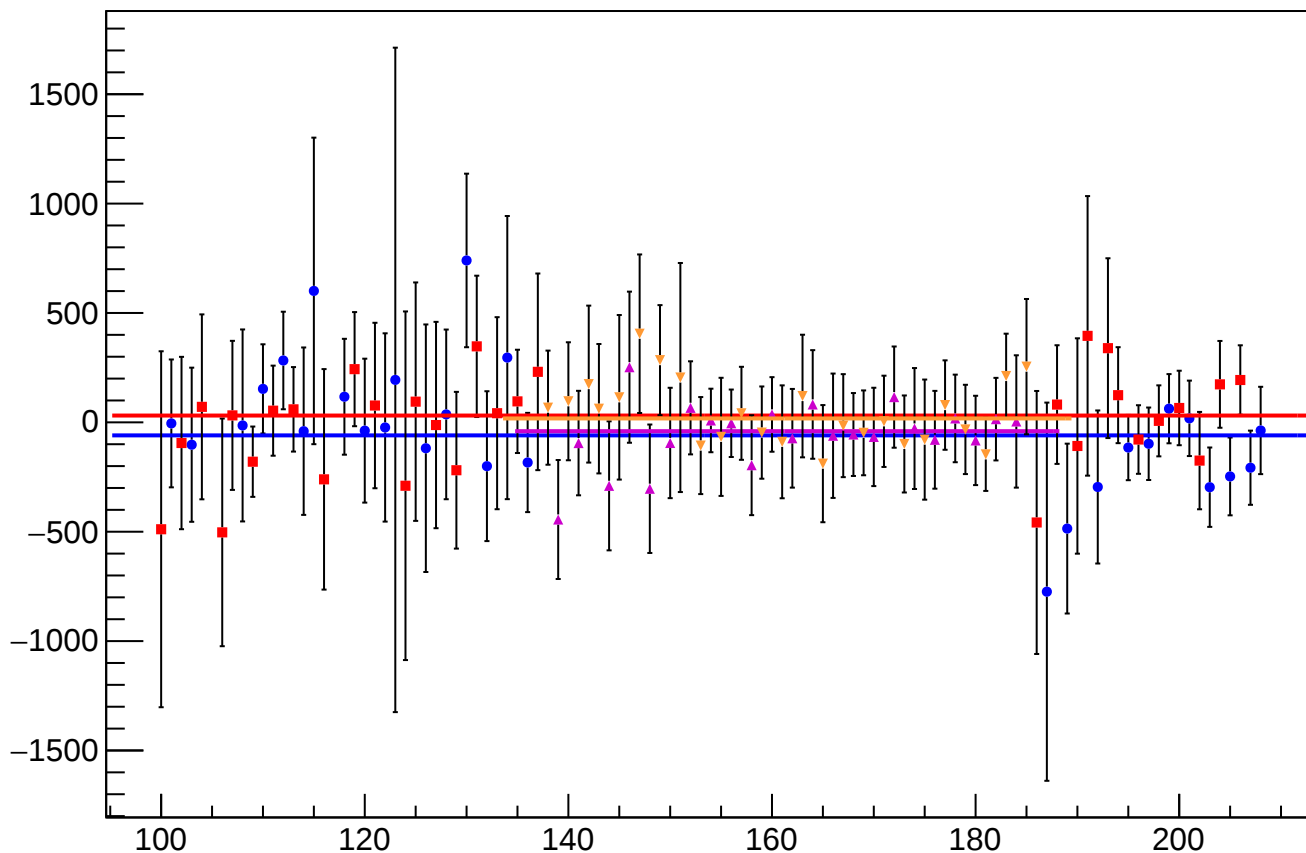
Left In: 16.871 $\pm$ 0.003 χ^2 /NDF:117993.8/22

+ sign 17.016 $\pm$ 0.002 χ^2 /NDF: 195482.3/52

All: 17.029 $\pm$ 0.001 χ^2 /NDF: 387104.9/106

- sign 17.042 $\pm$ 0.002 χ^2 /NDF: 191547.2/53

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -59.606 $\pm$ 47.309 χ^2 /NDF: 16.7/27

Left Out: 17.828 $\pm$ 48.547 χ^2 /NDF: 7.5/24

Right Out: 31.097 $\pm$ 47.479 χ^2 /NDF: 11.1/30

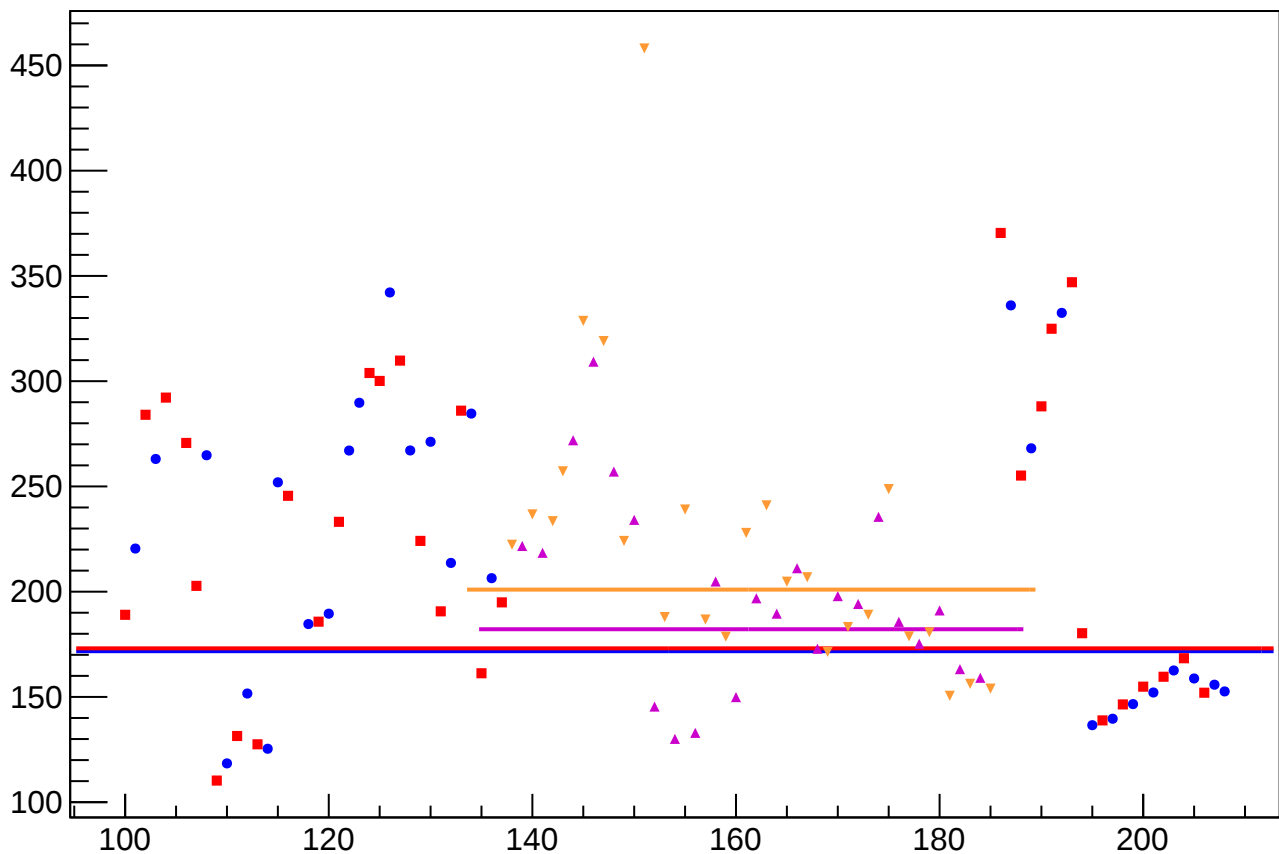
Left In: -40.355 $\pm$ 45.689 χ^2 /NDF: 6.6/22

+ sign -21.889 $\pm$ 33.882 χ^2 /NDF: 25.5/52

All: -13.717 $\pm$ 23.611 χ^2 /NDF: 44.5/106

- sign -6.001 $\pm$ 32.922 χ^2 /NDF: 18.9/53

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 171.733 $\pm$ 0.033 χ^2/NDF : 2106905.0/27

Left Out: 200.985 $\pm$ 0.034 χ^2/NDF : 1727291.4/24

Right Out: 173.081 $\pm$ 0.034 χ^2/NDF : 2715103.5/30

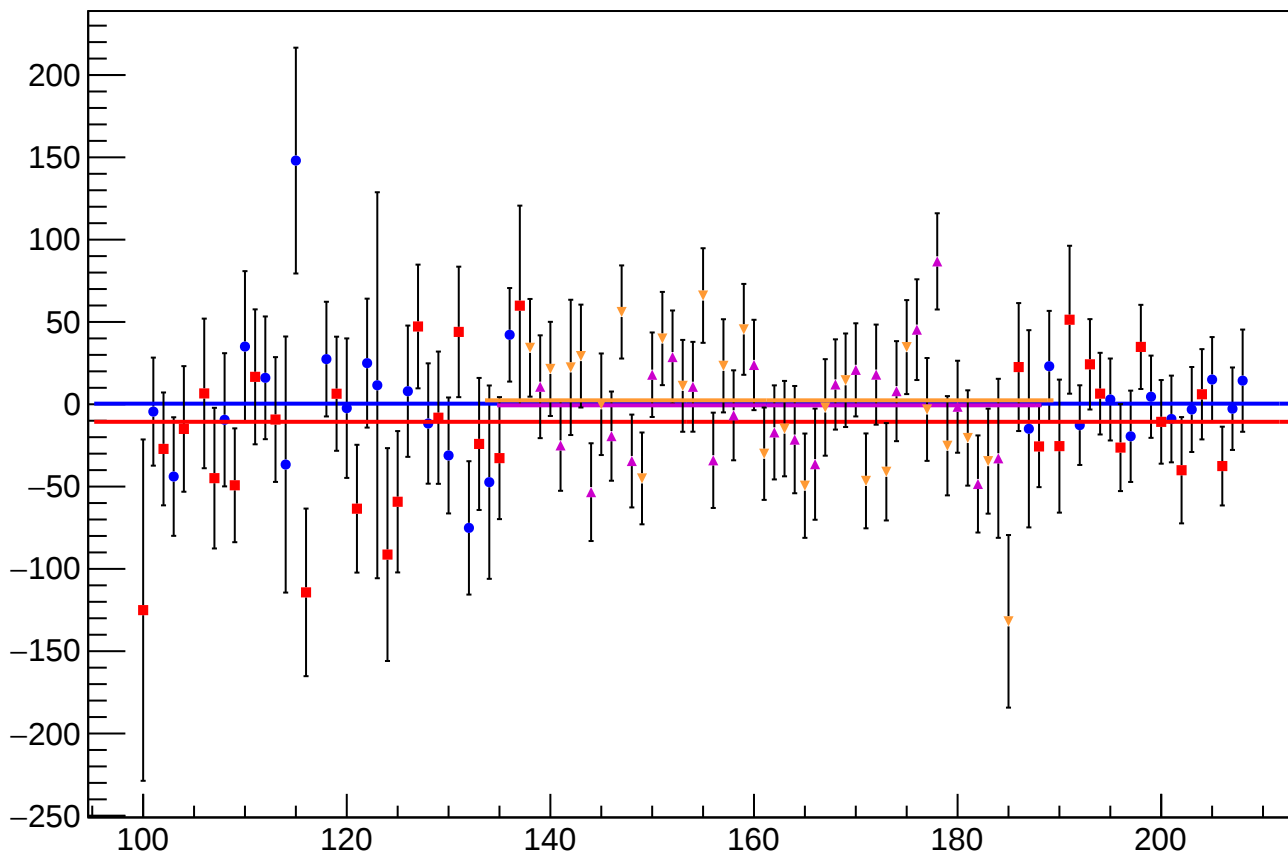
Left In: 182.158 $\pm$ 0.032 χ^2/NDF : 1535922.8/22

+ sign 185.981 $\pm$ 0.024 χ^2/NDF : 4206651.3/52

All: 181.770 $\pm$ 0.017 χ^2/NDF : 8555701.9/100

- sign 177.794 $\pm$ 0.023 χ^2/NDF : 4288982.1/53

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.369 ± 6.353 $\chi^2/\text{NDF}: 17.5/27$

Left Out: 2.390 ± 5.980 $\chi^2/\text{NDF}: 39.1/24$

Right Out: -10.654 ± 6.208 $\chi^2/\text{NDF}: 30.3/30$

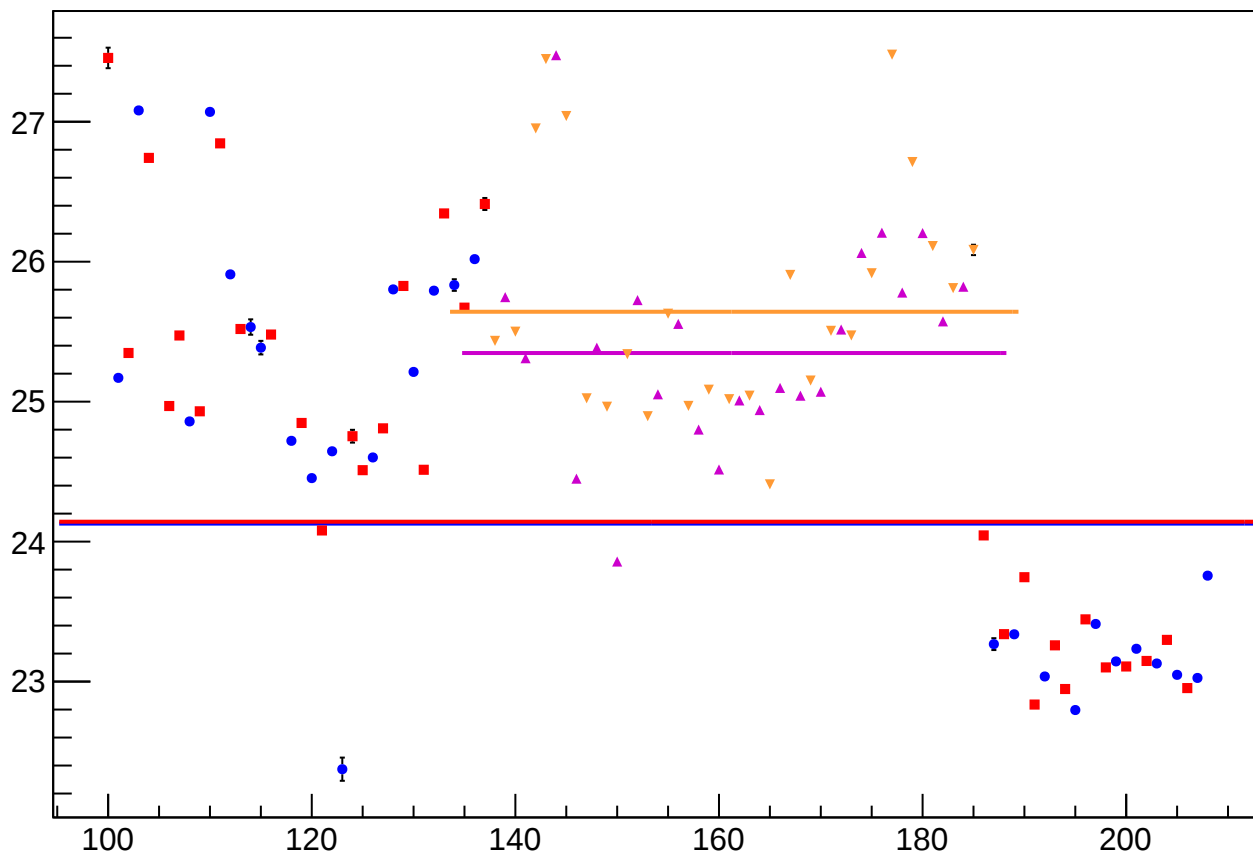
Left In: -0.641 ± 6.091 $\chi^2/\text{NDF}: 27.3/22$

+ sign 1.441 ± 4.355 $\chi^2/\text{NDF}: 56.7/52$

All: -2.061 ± 3.077 $\chi^2/\text{NDF}: 116.9/106$

- sign -5.552 ± 4.348 $\chi^2/\text{NDF}: 59.0/53$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.129 $\pm$ 0.004 χ^2 /NDF: 80732.9/27

Left Out: 25.642 $\pm$ 0.004 χ^2 /NDF:34802.2/24

Right Out: 24.142 $\pm$ 0.004 χ^2 /NDF: 75355.6/30

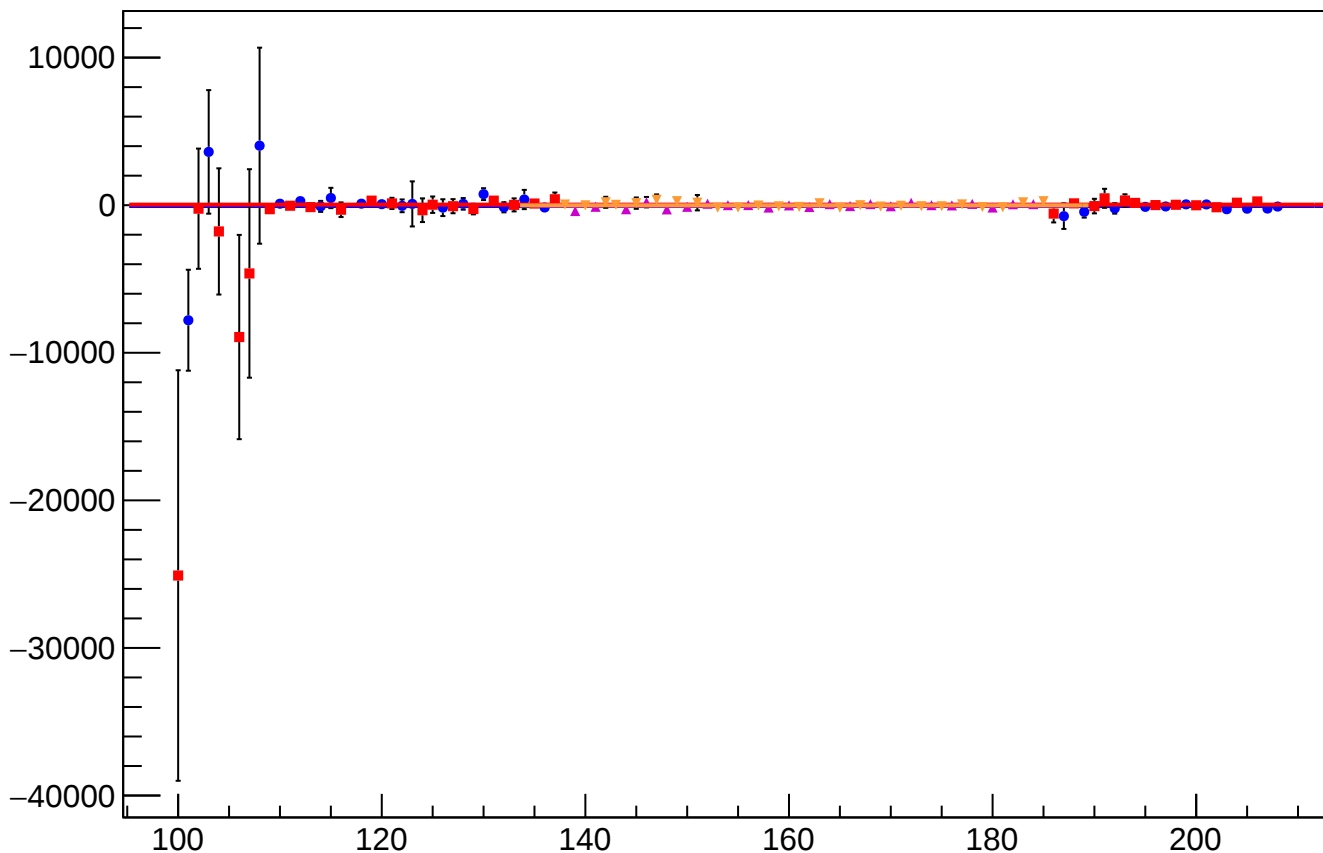
Left In: 25.347 $\pm$ 0.004 χ^2 /NDF:29389.5/22

+ sign 24.931 $\pm$ 0.003 χ^2 /NDF: 175722.6/52

All: 24.844 $\pm$ 0.002 χ^2 /NDF: 320490.4/106

- sign 24.756 $\pm$ 0.003 χ^2 /NDF: 143149.4/53

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -56.215 $\pm$ 49.609 χ^2 /NDF: 21.4/27

Left Out: -11.432 $\pm$ 48.263 χ^2 /NDF: 8.0/24

Right Out: 38.252 $\pm$ 50.781 χ^2 /NDF: 17.7/30

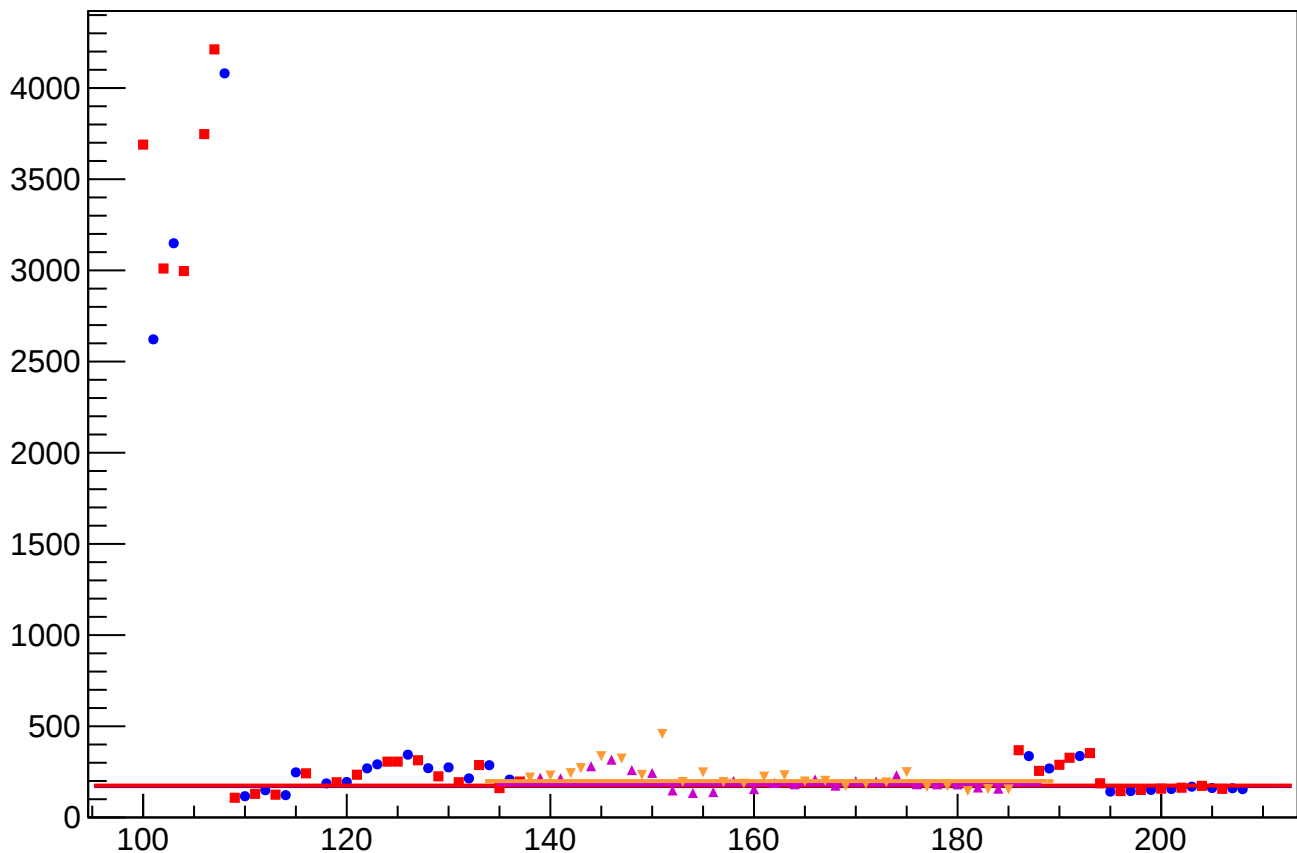
Left In: -27.098 $\pm$ 45.999 χ^2 /NDF: 7.2/22

+ sign -33.207 $\pm$ 34.593 χ^2 /NDF: 29.8/52

All: -15.166 $\pm$ 24.282 χ^2 /NDF: 56.2/106

- sign 2.356 $\pm$ 34.092 χ^2 /NDF: 25.8/53

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 171.996 $\pm$ 0.035 χ^2 /NDF: 4505072.6/27

Left Out: 199.438 $\pm$ 0.034 χ^2 /NDF:1877848.7/24

Right Out: 174.783 $\pm$ 0.036 χ^2 /NDF: 5334737.4/30

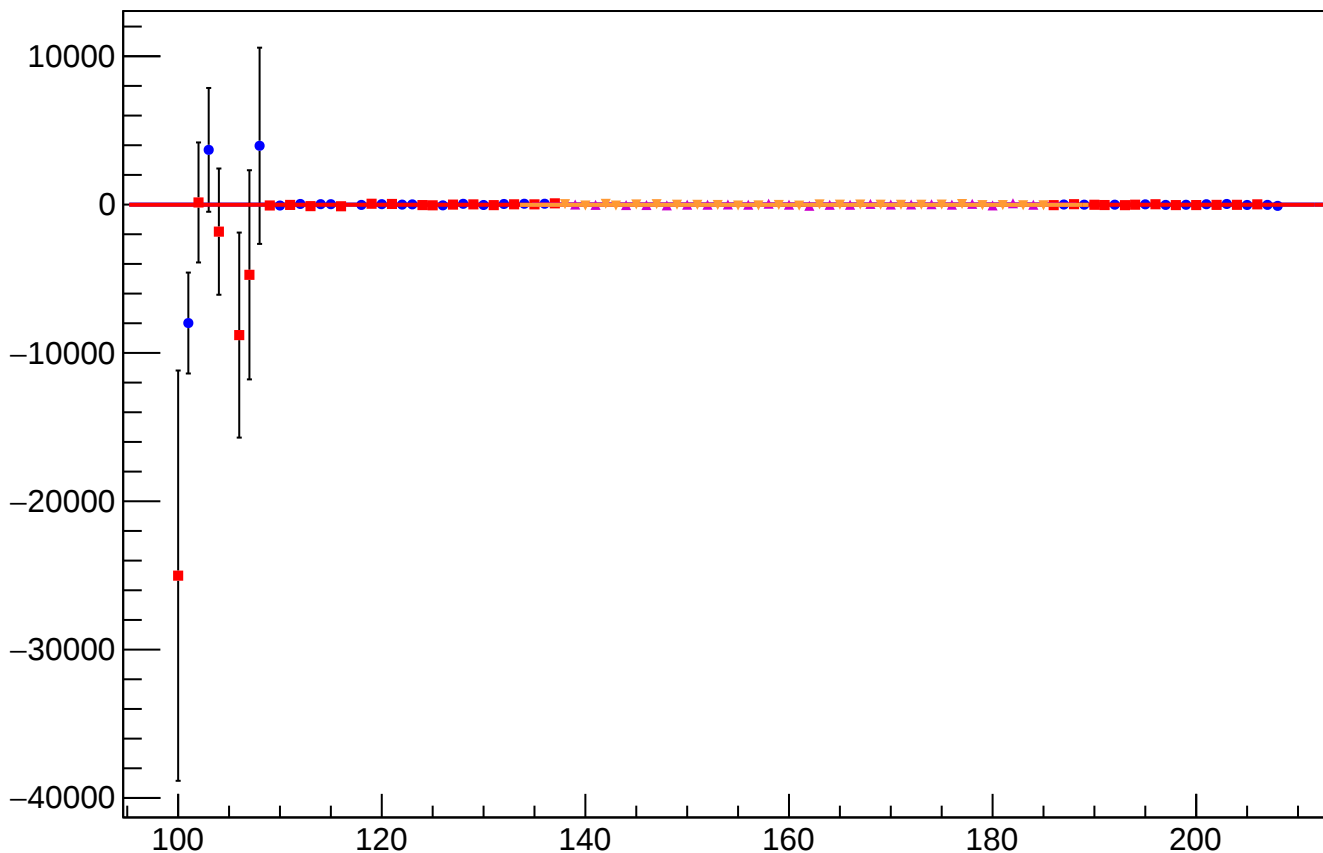
Left In: 183.805 $\pm$ 0.033 χ^2 /NDF:1412869.6/22

+ sign 186.094 $\pm$ 0.024 χ^2 /NDF: 6697336.2/52

All: 182.870 $\pm$ 0.017 χ^2 /NDF: 13513871.8/10

- sign 179.739 $\pm$ 0.024 χ^2 /NDF: 6782287.3/53

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: -0.456 ± 7.645 χ^2/NDF : 29.5/27

Left Out: -18.118 ± 6.704 χ^2/NDF : 21.7/24

Right Out: -11.271 ± 7.624 χ^2/NDF : 29.6/30

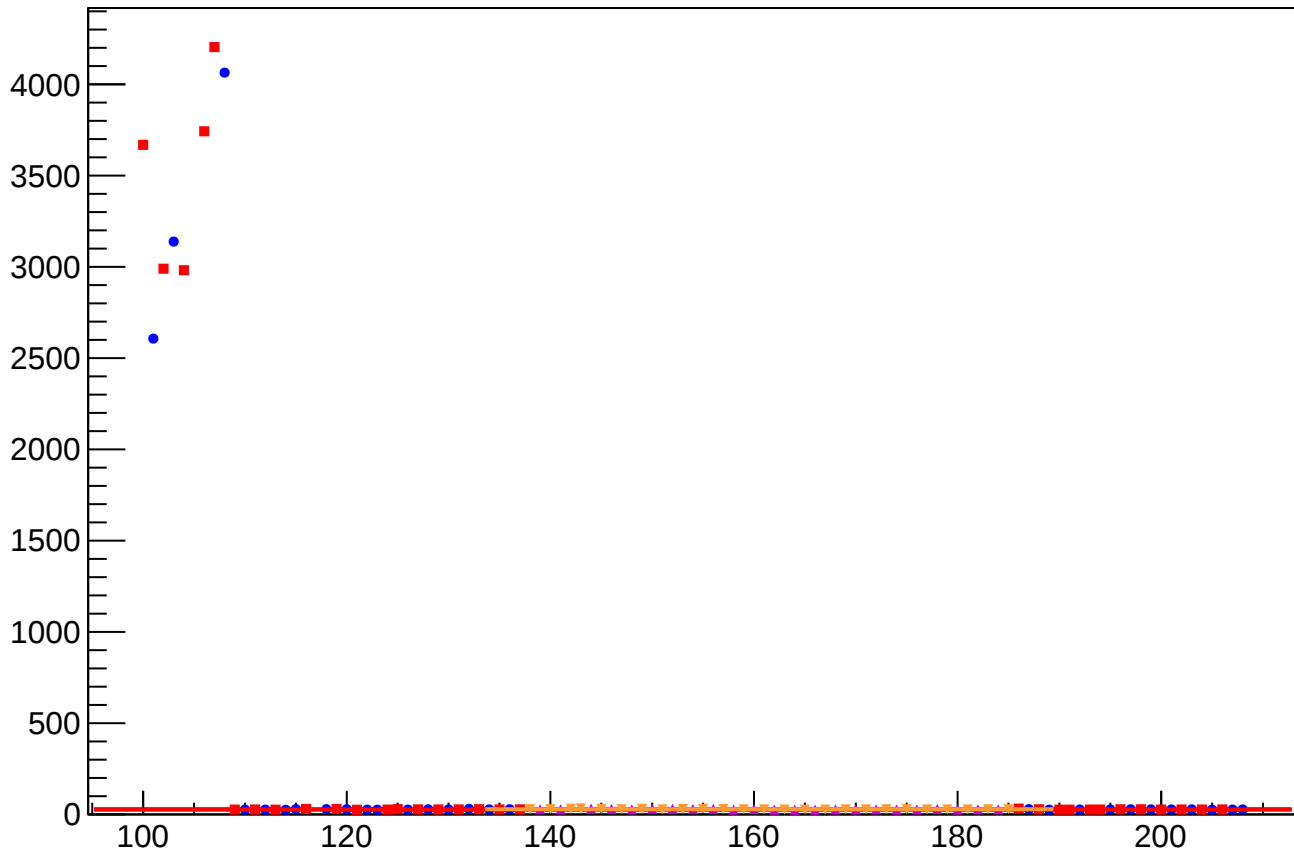
Left In: -1.267 ± 6.908 χ^2/NDF : 32.0/22

+ sign -10.441 ± 5.040 χ^2/NDF : 54.3/52

All: -8.145 ± 3.592 χ^2/NDF : 117.3/106

- sign -5.778 ± 5.119 χ^2/NDF : 62.6/53

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.498 $\pm$ 0.005 χ^2 /NDF: 3040403.2/27

Left Out: 28.694 $\pm$ 0.005 χ^2 /NDF: 110466.9/24

Right Out: 27.594 $\pm$ 0.005 χ^2 /NDF: 3503272.8/30

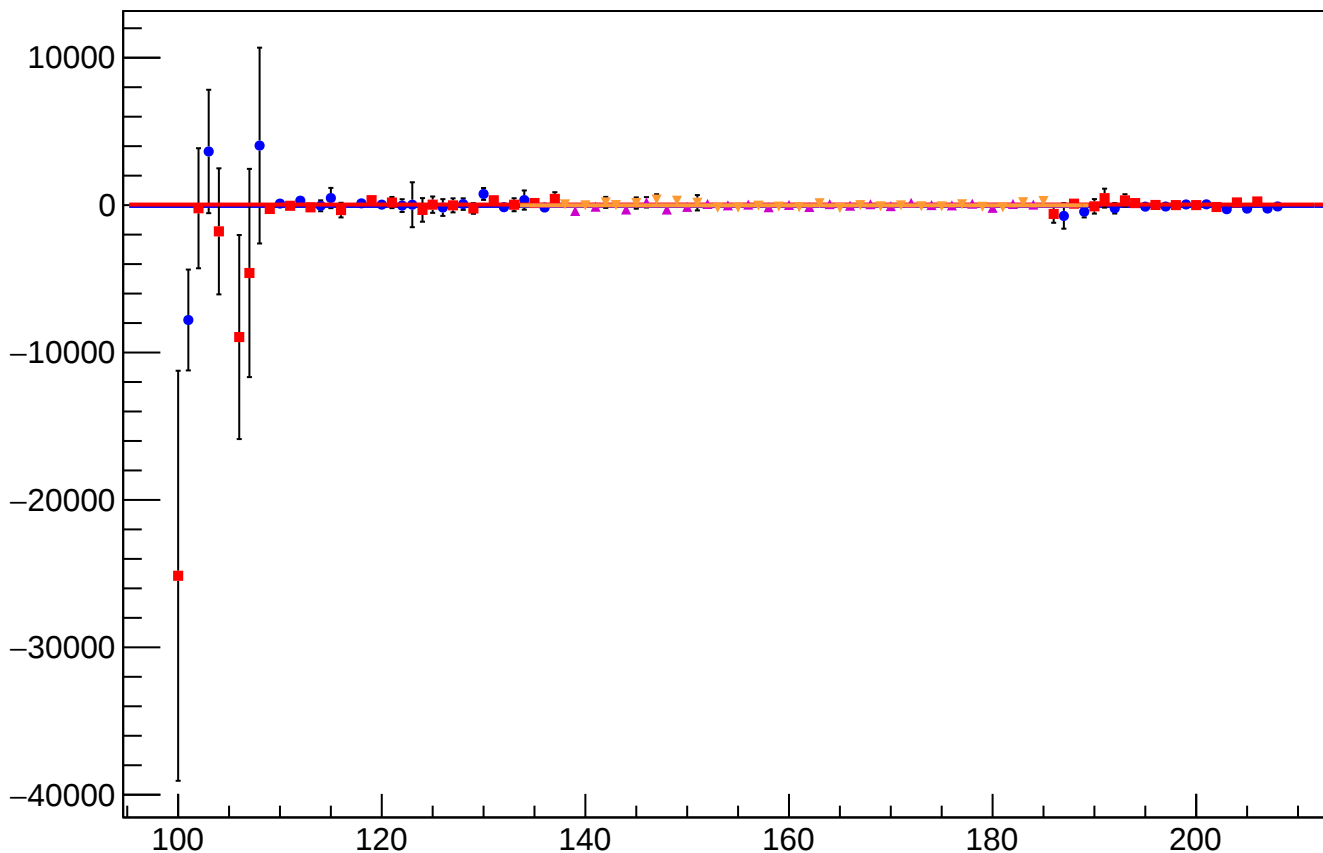
Left In: 28.677 $\pm$ 0.005 χ^2 /NDF: 123814.4/22

+ sign 28.174 $\pm$ 0.004 χ^2 /NDF: 3178526.4/52

All: 28.181 $\pm$ 0.003 χ^2 /NDF: 6827791.5/106

- sign 28.188 $\pm$ 0.004 χ^2 /NDF: 3649257.1/53

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -54.979 $\pm$ 49.455 χ^2 /NDF: 21.7/27

Left Out: -13.878 $\pm$ 48.155 χ^2 /NDF: 8.8/24

Right Out: 39.604 $\pm$ 50.638 χ^2 /NDF: 18.3/30

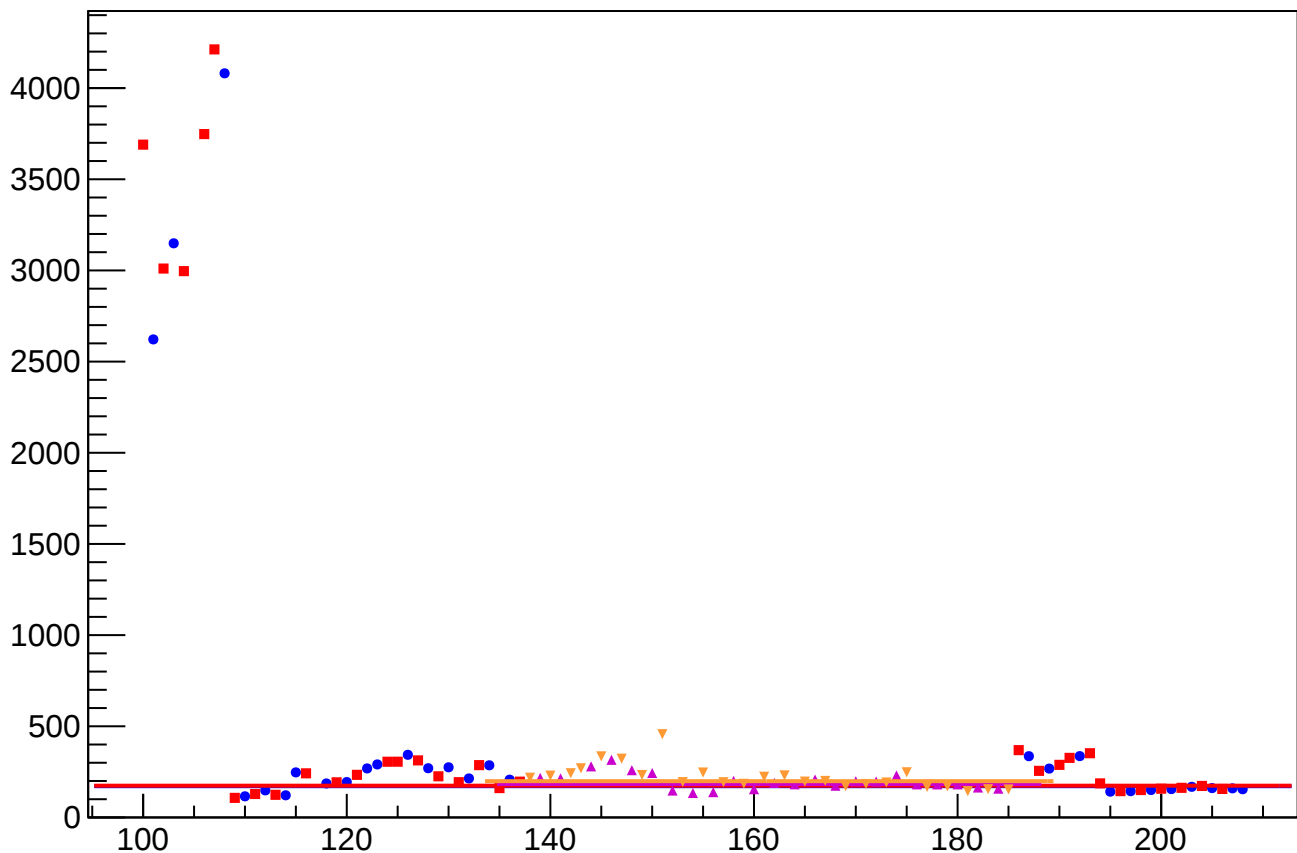
Left In: -27.286 $\pm$ 45.907 χ^2 /NDF: 7.5/22

+ sign -33.881 $\pm$ 34.501 χ^2 /NDF: 30.9/52

All: -15.233 $\pm$ 24.221 χ^2 /NDF: 58.2/106

- sign 2.889 $\pm$ 34.011 χ^2 /NDF: 26.7/53

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 171.417 $\pm$ 0.035 χ^2 /NDF: 4518015.5/27

Left Out: 198.997 $\pm$ 0.034 χ^2 /NDF: 1877636.0/24

Right Out: 174.231 $\pm$ 0.036 χ^2 /NDF: 5351913.5/30

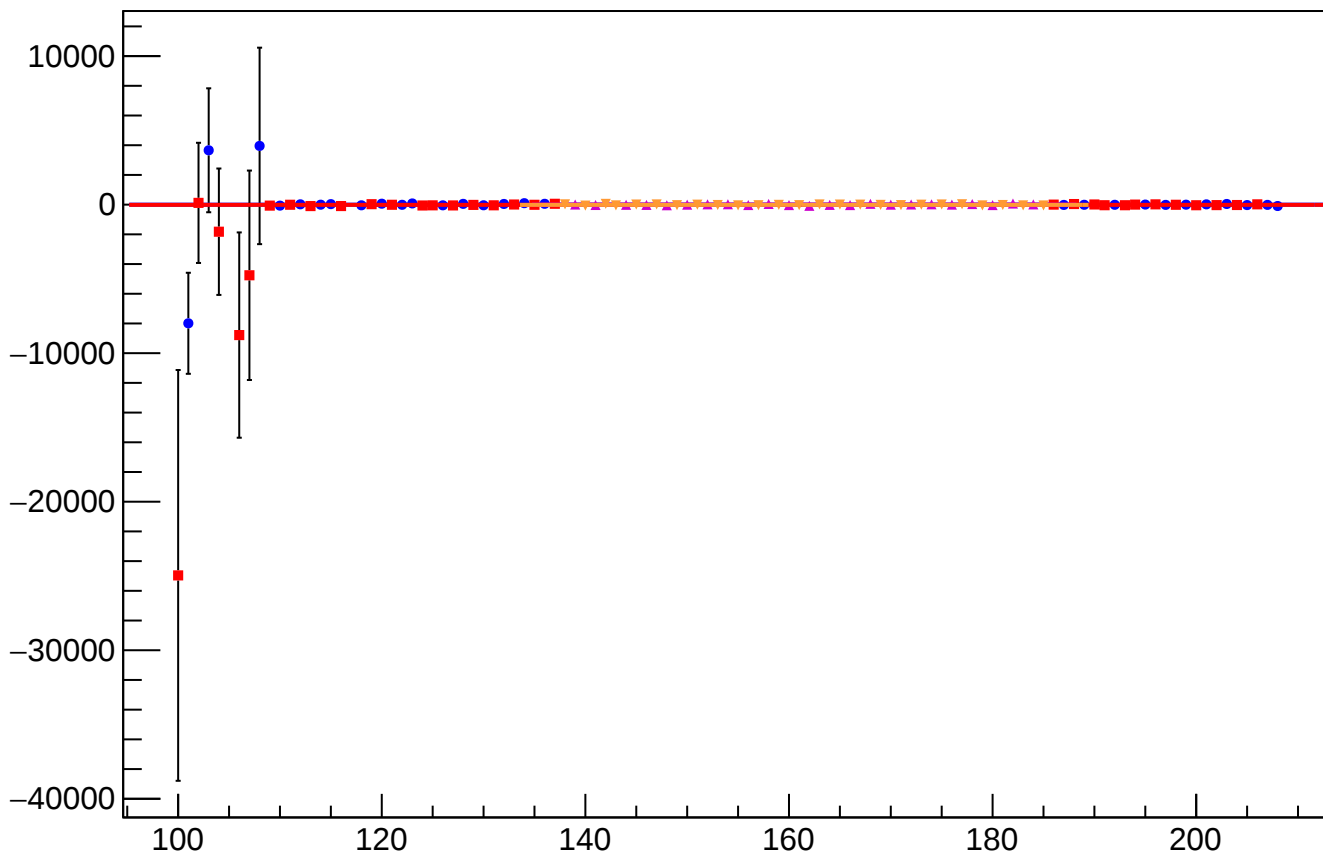
Left In: 183.442 $\pm$ 0.032 χ^2 /NDF: 1412341.8/22

+ sign 185.574 $\pm$ 0.024 χ^2 /NDF: 6714915.9/52

All: 182.385 $\pm$ 0.017 χ^2 /NDF: 13549178.7/10

- sign 179.287 $\pm$ 0.024 χ^2 /NDF: 6800575.1/53

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: -1.945 ± 7.621 χ^2/NDF : 34.1/27

Left Out: -15.829 ± 6.733 χ^2/NDF : 16.5/24

Right Out: -14.372 ± 7.614 χ^2/NDF : 26.1/30

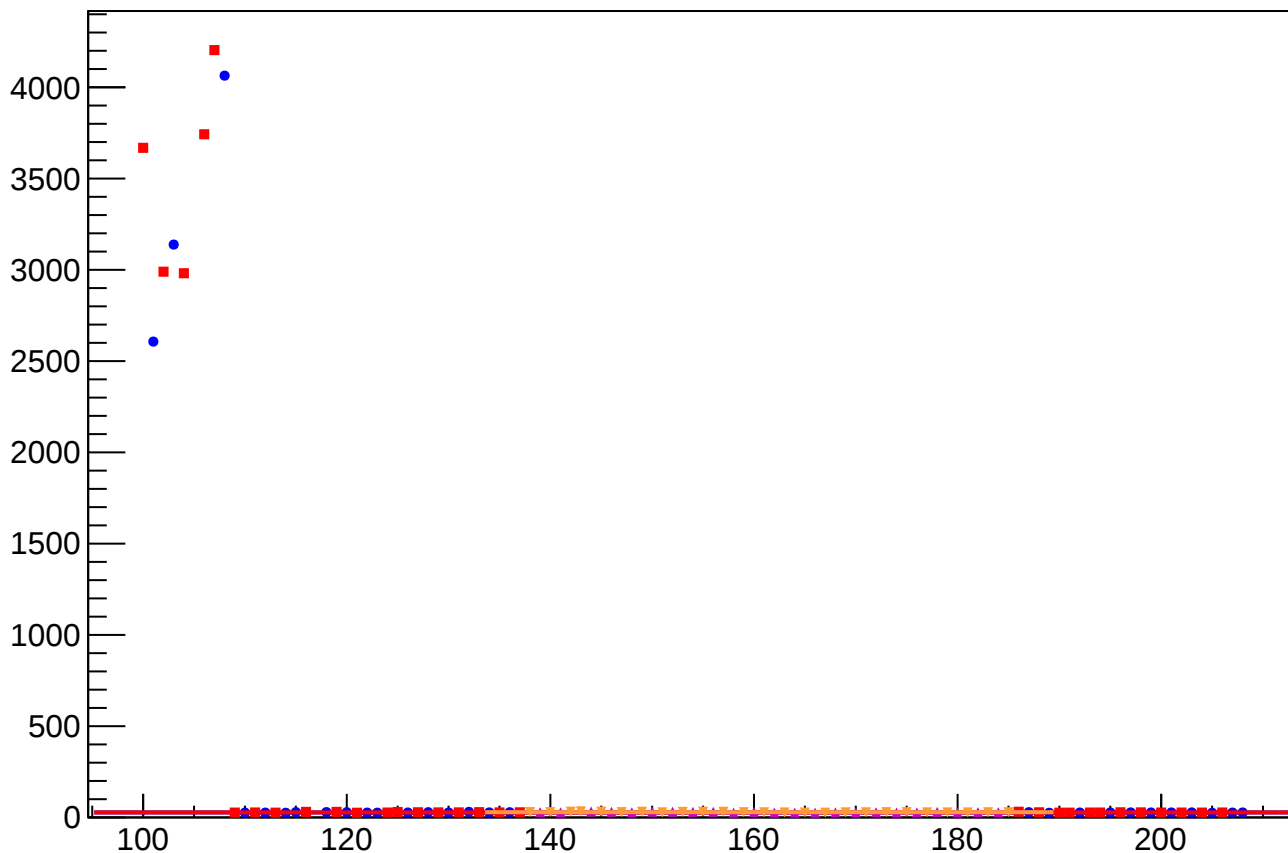
Left In: 0.498 ± 6.937 χ^2/NDF : 26.1/22

+ sign -9.743 ± 5.046 χ^2/NDF : 52.5/52

All: -8.023 ± 3.597 χ^2/NDF : 107.0/106

- sign -6.247 ± 5.128 χ^2/NDF : 54.3/53

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.407 $\pm$ 0.005 χ^2 /NDF: 3046425.5/27

Left Out: 28.814 $\pm$ 0.005 χ^2 /NDF: 122153.6/24

Right Out: 27.558 $\pm$ 0.005 χ^2 /NDF: 3503535.0/30

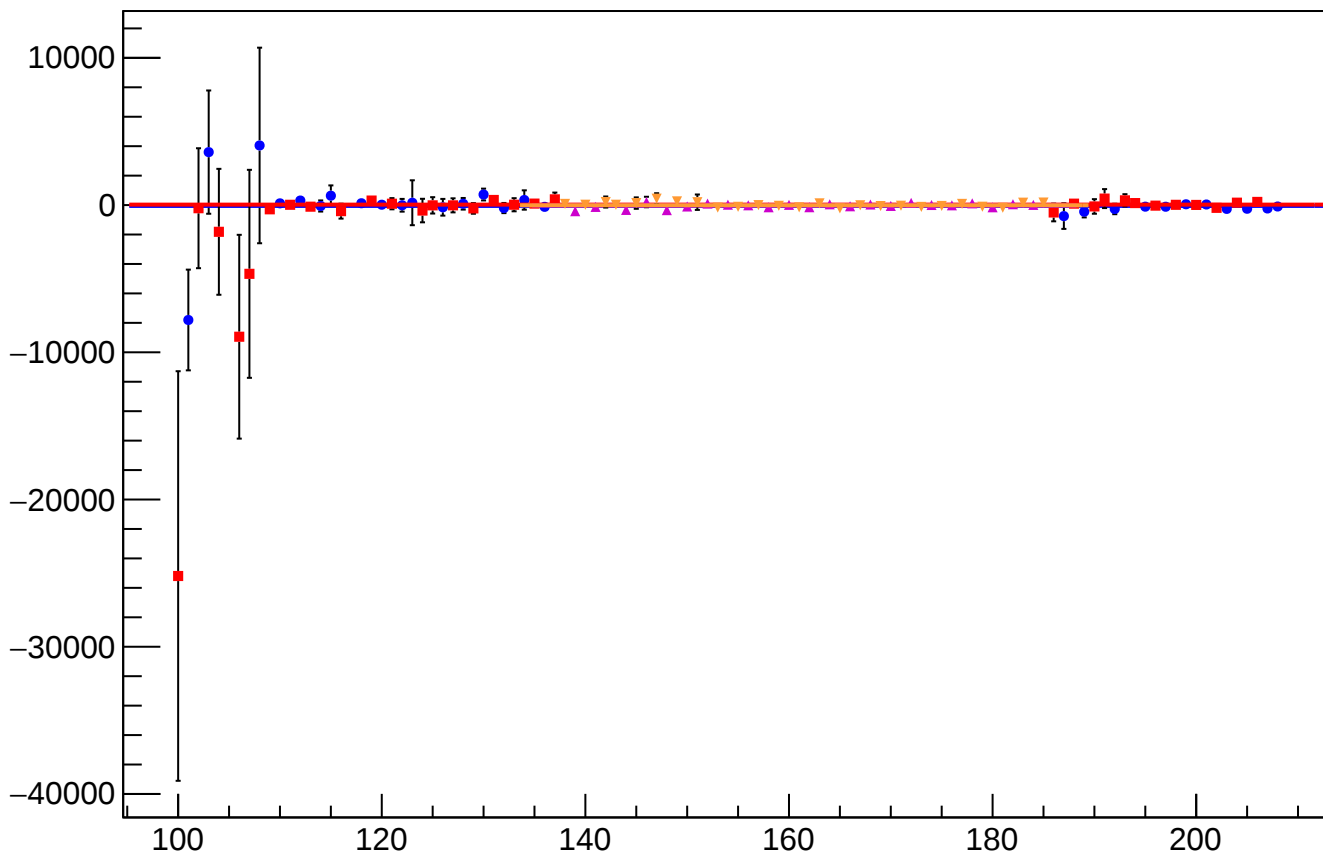
Left In: 28.797 $\pm$ 0.005 χ^2 /NDF: 128279.2/22

+ sign 28.197 $\pm$ 0.004 χ^2 /NDF: 3206873.7/52

All: 28.216 $\pm$ 0.003 χ^2 /NDF: 6867711.9/106

- sign 28.235 $\pm$ 0.004 χ^2 /NDF: 3660783.4/53

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -57.012 $\pm$ 49.795 χ^2 /NDF: 22.0/27

Left Out: -13.966 $\pm$ 48.735 χ^2 /NDF: 8.1/24

Right Out: 30.510 $\pm$ 51.022 χ^2 /NDF: 17.3/30

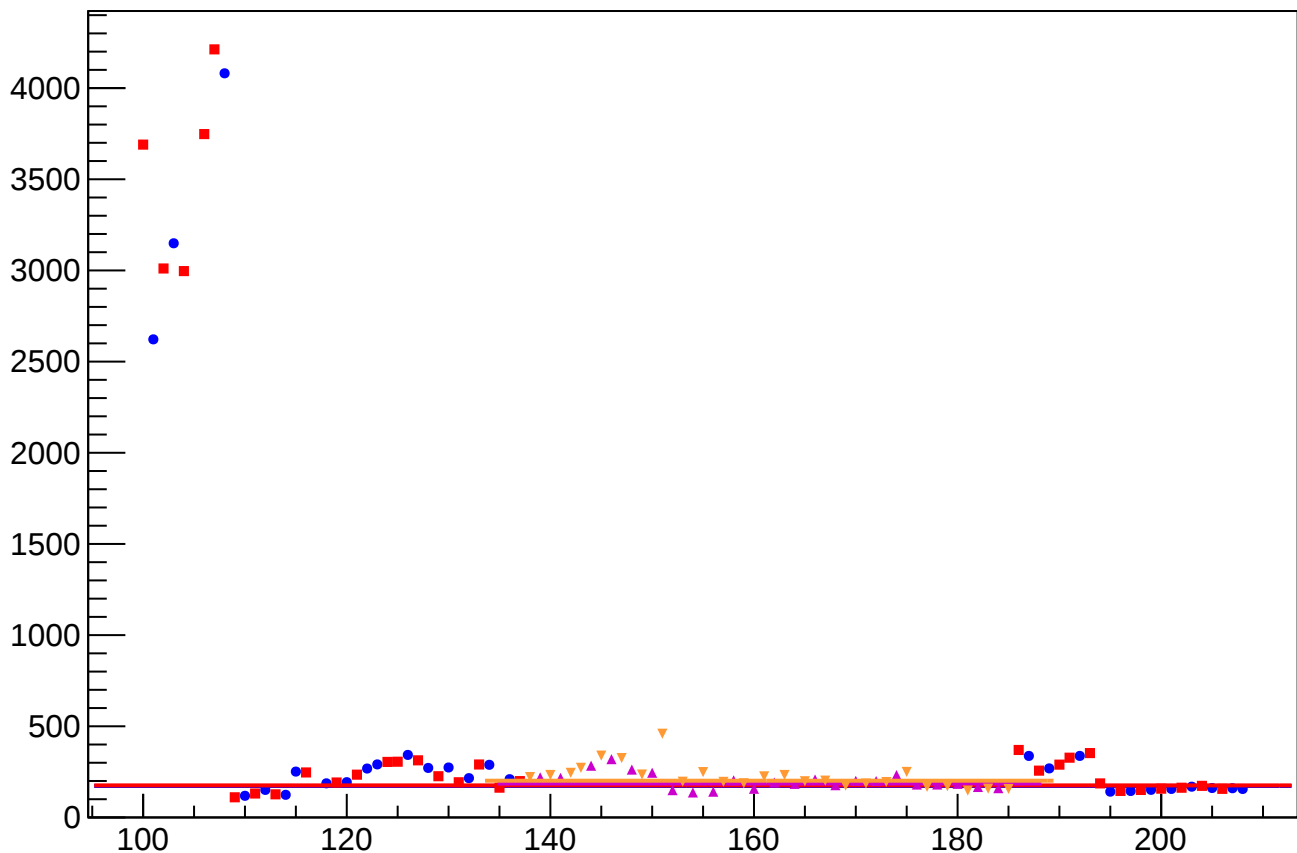
Left In: -31.477 $\pm$ 46.483 χ^2 /NDF: 7.8/22

+ sign -35.026 $\pm$ 34.830 χ^2 /NDF: 30.5/52

All: -18.980 $\pm$ 24.461 χ^2 /NDF: 56.9/106

- sign -3.363 $\pm$ 34.361 χ^2 /NDF: 26.0/53

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 172.702 $\pm$ 0.035 χ^2 /NDF: 4486983.9/27

Left Out: 201.503 $\pm$ 0.034 χ^2 /NDF: 1854905.1/24

Right Out: 175.787 $\pm$ 0.036 χ^2 /NDF: 5292633.5/30

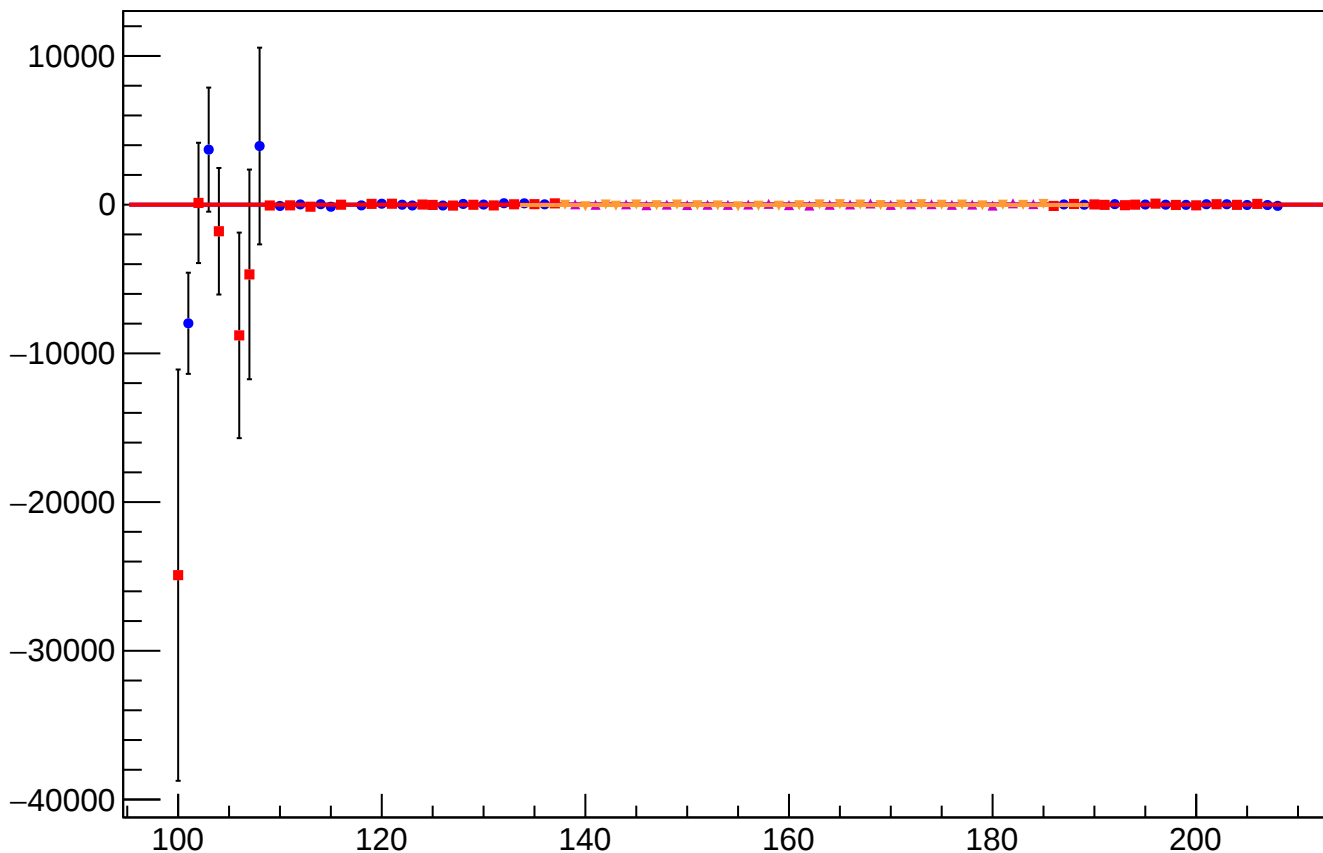
Left In: 185.878 $\pm$ 0.033 χ^2 /NDF: 1380877.6/22

+ sign 187.412 $\pm$ 0.025 χ^2 /NDF: 6683614.5/52

All: 184.315 $\pm$ 0.017 χ^2 /NDF: 13431082.0/10

- sign 181.301 $\pm$ 0.024 χ^2 /NDF: 6716267.7/53

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 1.720 ± 9.299 χ^2/NDF : 26.7/27

Left Out: -24.144 ± 8.076 χ^2/NDF : 24.9/24

Right Out: -0.725 ± 9.277 χ^2/NDF : 34.3/30

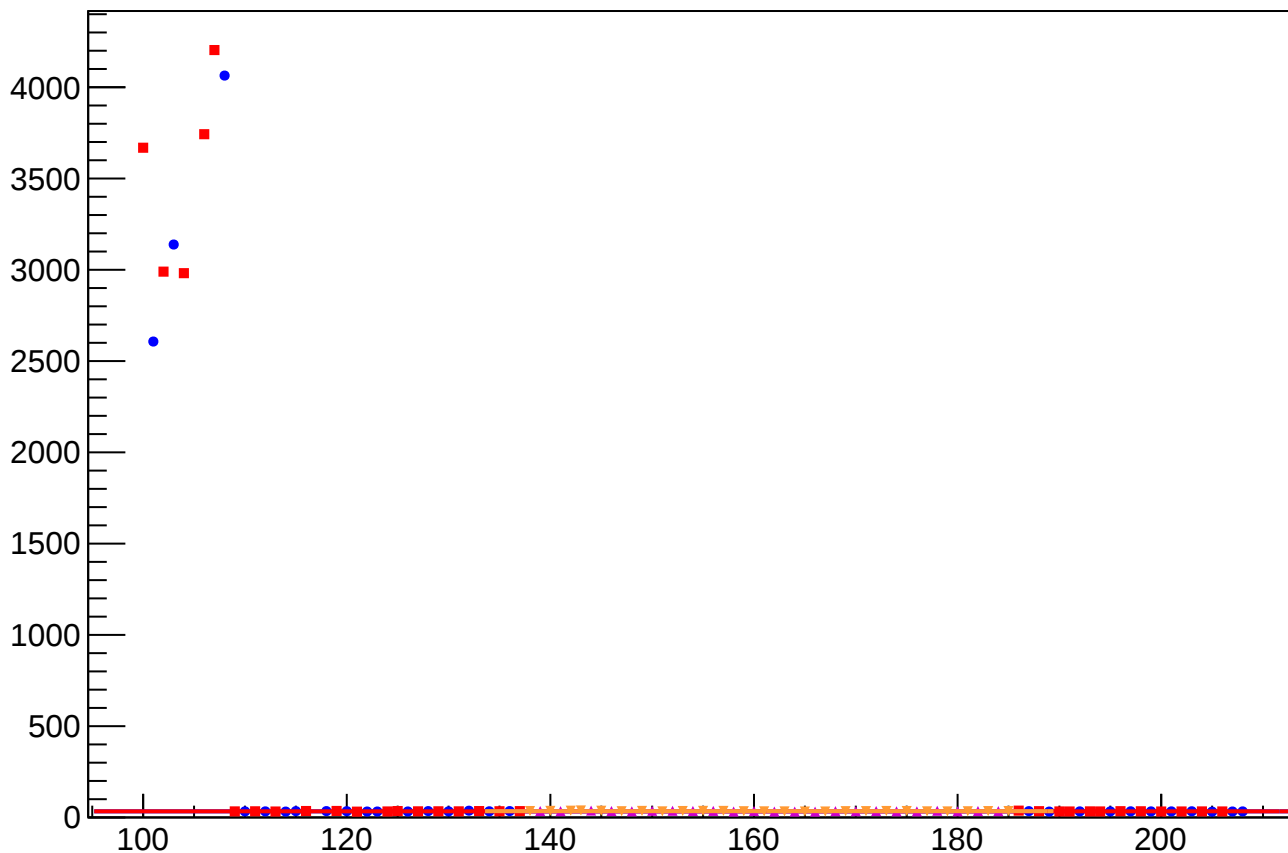
Left In: 5.924 ± 8.340 χ^2/NDF : 21.0/22

+ sign -13.023 ± 6.098 χ^2/NDF : 56.1/52

All: -5.171 ± 4.348 χ^2/NDF : 115.0/106

- sign 2.952 ± 6.202 χ^2/NDF : 55.6/53

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.463+/-0.007 χ^2/NDF : 3018812.2/27

Left Out: 34.617+/-0.006 χ^2/NDF : 57868.4/24

Right Out: 33.623+/-0.007 χ^2/NDF : 3467526.5/30

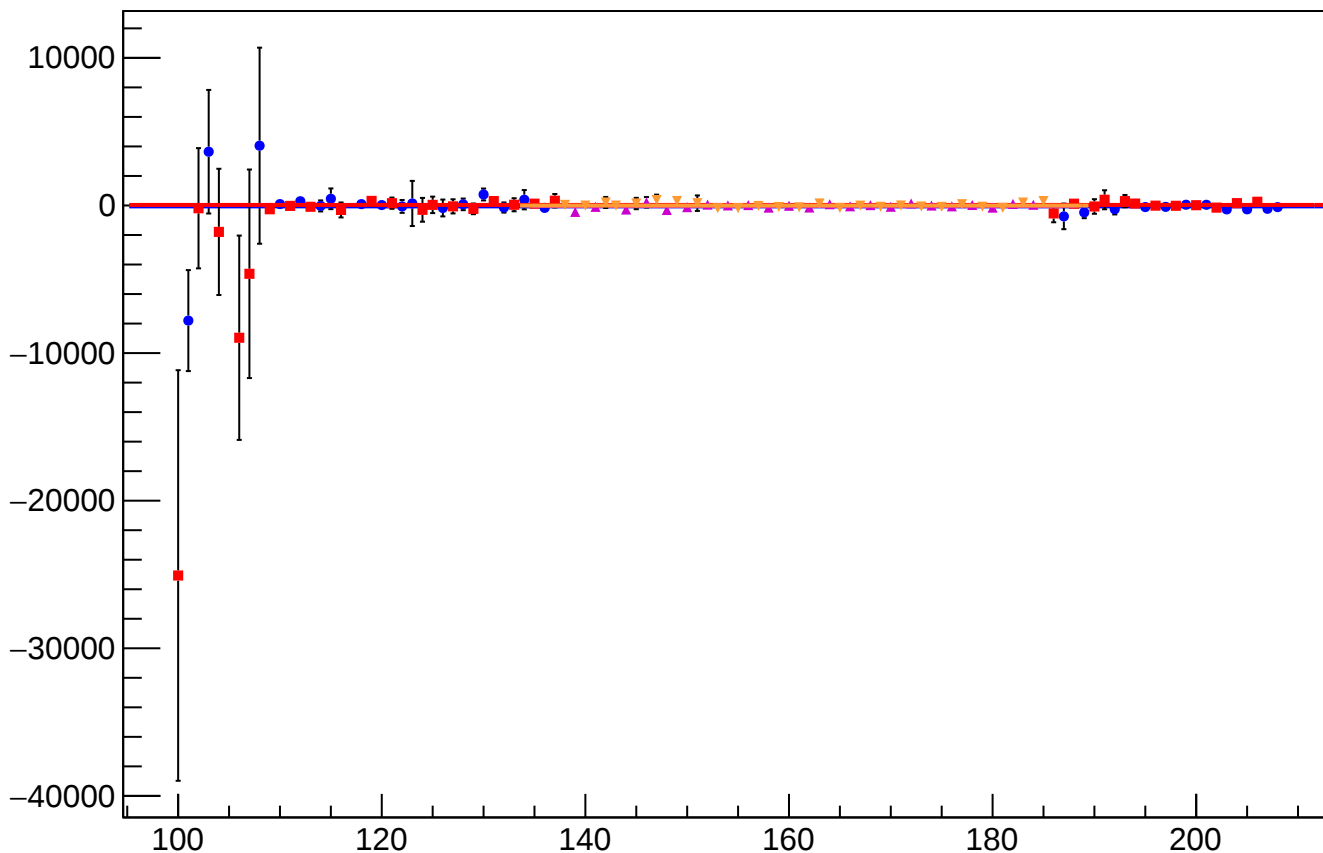
Left In: 34.682+/-0.006 χ^2/NDF : 59834.3/22

+ sign 34.121+/-0.004 χ^2/NDF : 3094246.1/52

All: 34.164+/-0.003 χ^2/NDF : 6636223.5/106

- sign 34.208+/-0.004 χ^2/NDF : 3541776.4/53

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -61.280 ± 49.649 χ^2/NDF : 21.6/27

Left Out: -7.558 ± 48.662 χ^2/NDF : 8.8/24

Right Out: 37.038 ± 50.821 χ^2/NDF : 16.2/30

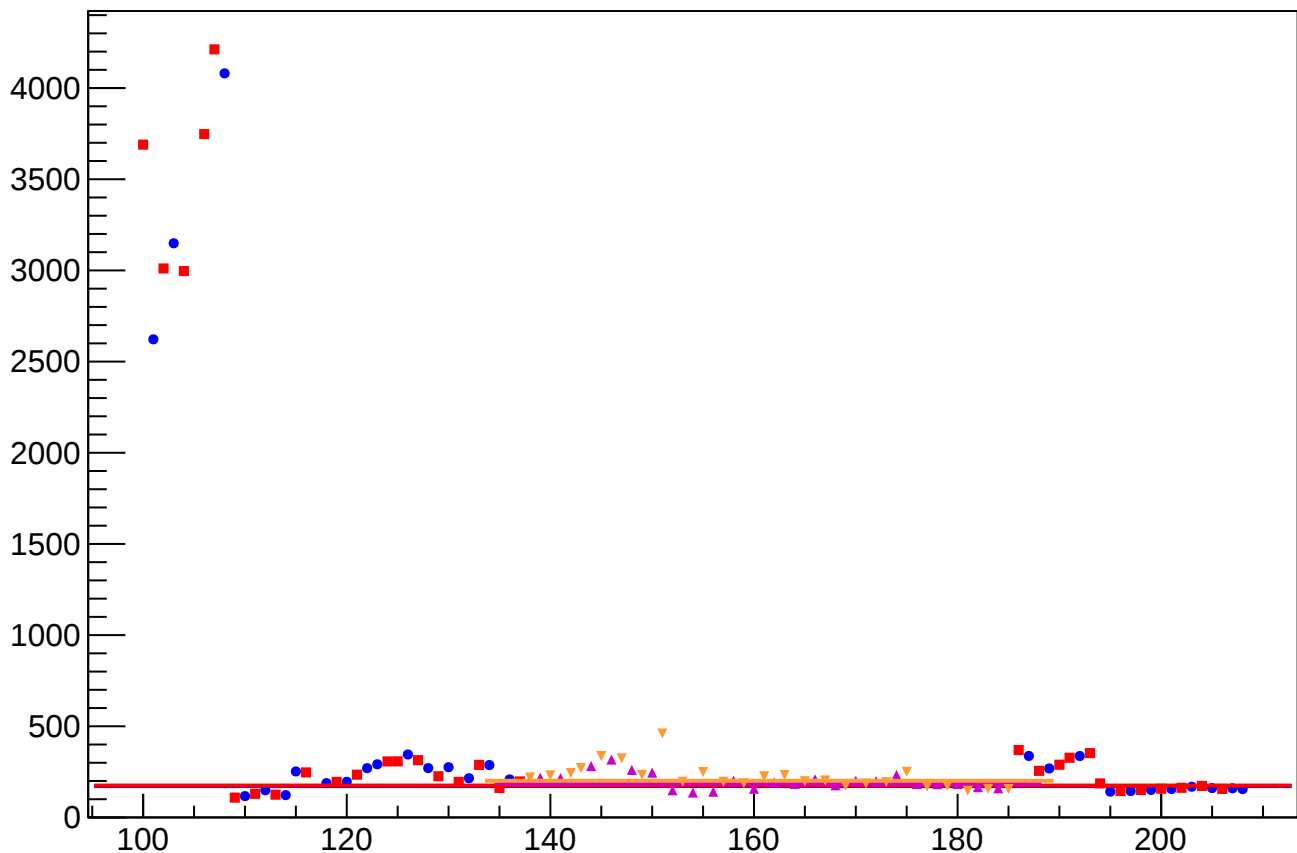
Left In: -34.977 ± 46.421 χ^2/NDF : 7.1/22

+ sign -33.880 ± 34.753 χ^2/NDF : 31.0/52

All: -17.832 ± 24.403 χ^2/NDF : 55.9/106

- sign -2.222 ± 34.275 χ^2/NDF : 24.5/53

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 172.101 $\pm$ 0.035 χ^2 /NDF: 4515596.9/27

Left Out: 201.198 $\pm$ 0.034 χ^2 /NDF: 1848437.4/24

Right Out: 174.910 $\pm$ 0.036 χ^2 /NDF: 5341454.5/30

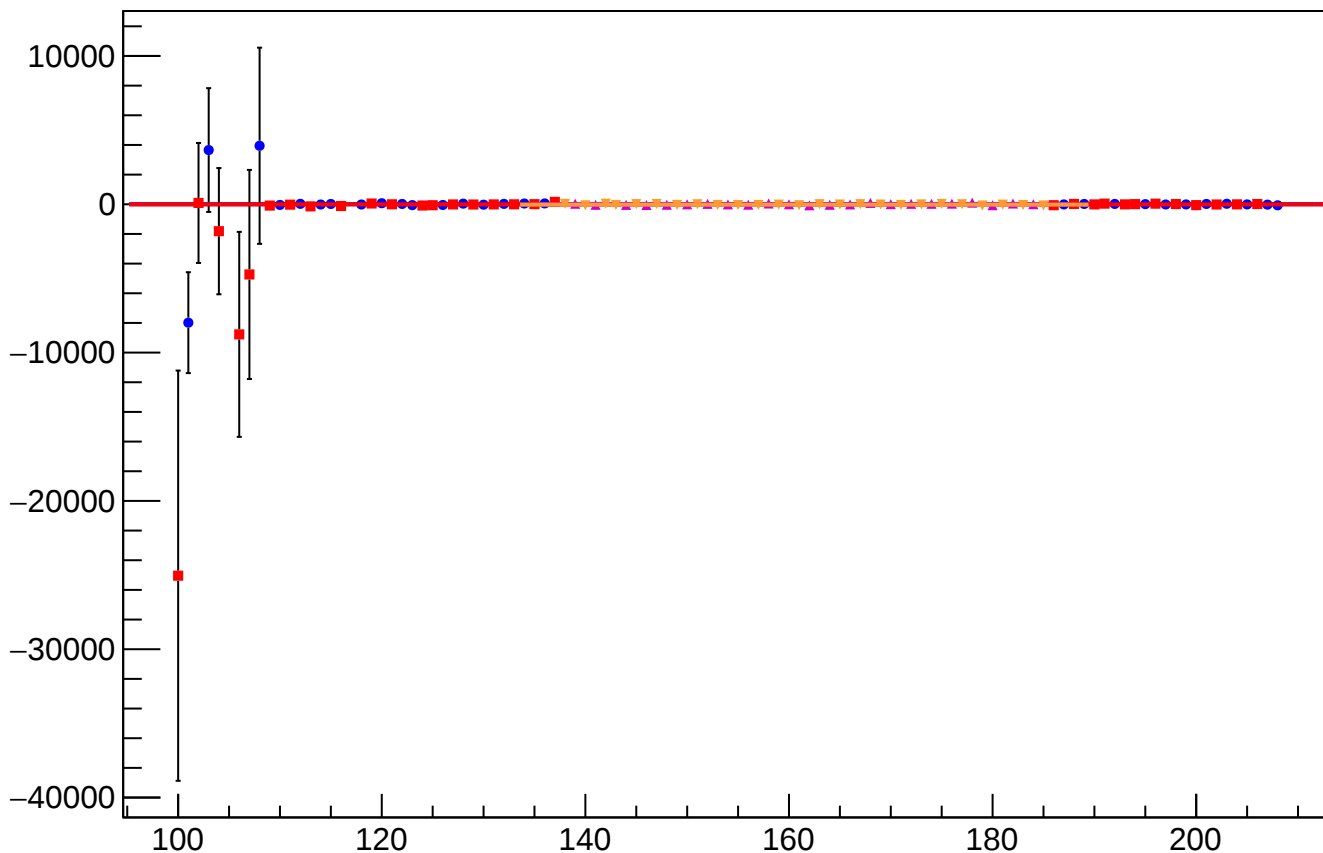
Left In: 185.627 $\pm$ 0.033 χ^2 /NDF: 1371411.2/22

+ sign 186.942 $\pm$ 0.025 χ^2 /NDF: 6714405.8/52

All: 183.804 $\pm$ 0.017 χ^2 /NDF: 13507918.7/10

- sign 180.753 $\pm$ 0.024 χ^2 /NDF: 6761358.9/53

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 5.106 ± 8.420 χ^2/NDF : 21.8/27

Left Out: -23.320 ± 7.352 χ^2/NDF : 18.3/24

Right Out: -7.662 ± 8.403 χ^2/NDF : 36.9/30

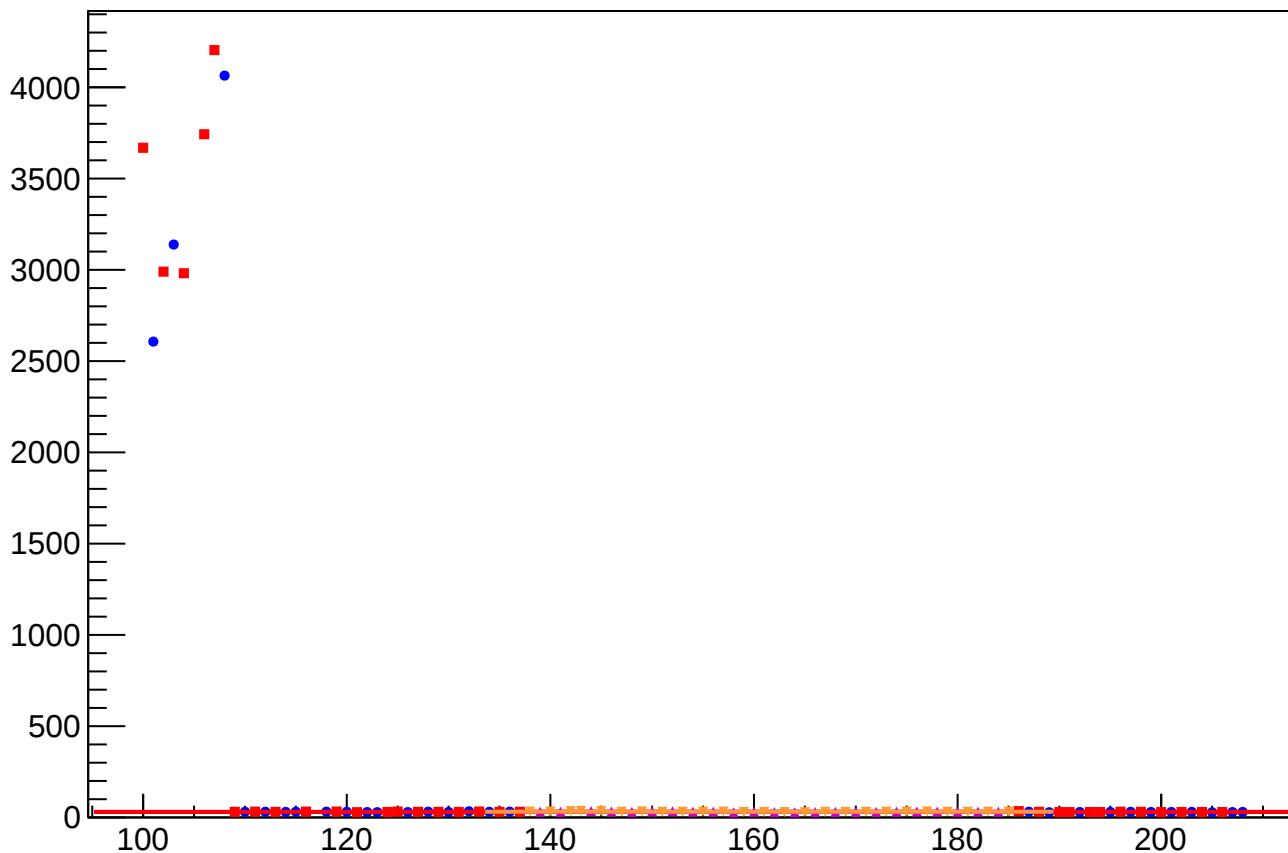
Left In: 6.386 ± 7.577 χ^2/NDF : 38.7/22

+ sign -11.023 ± 5.538 χ^2/NDF : 46.6/52

All: -5.557 ± 3.947 χ^2/NDF : 125.8/106

- sign 0.086 ± 5.627 χ^2/NDF : 77.2/53

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.289 $\pm$ 0.006 χ^2 /NDF: 3036585.6/27

Left Out: 31.488 $\pm$ 0.005 χ^2 /NDF:81938.2/24

Right Out: 30.431 $\pm$ 0.006 χ^2 /NDF: 3483937.3/30

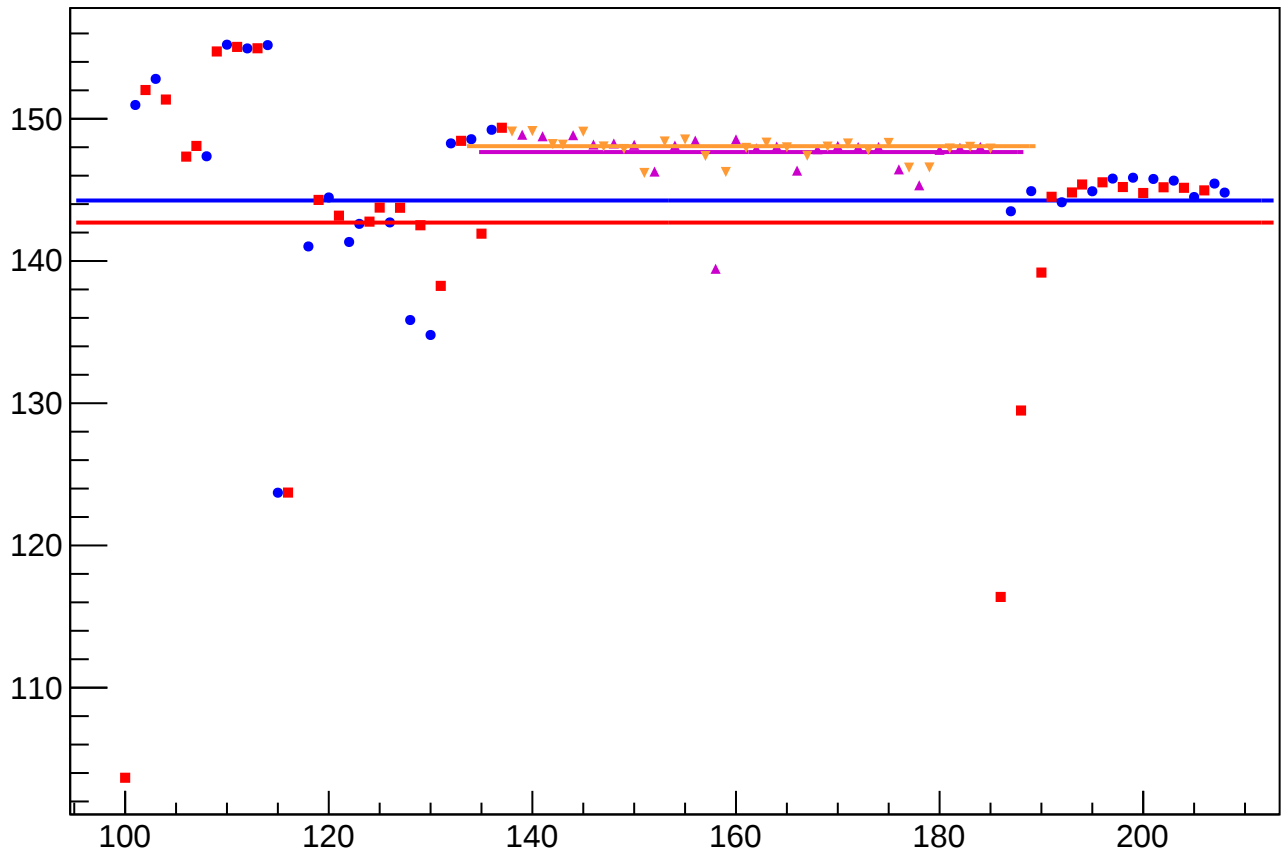
Left In: 31.475 $\pm$ 0.005 χ^2 /NDF:87797.5/22

+ sign 30.969 $\pm$ 0.004 χ^2 /NDF: 3141571.8/52

All: 30.988 $\pm$ 0.003 χ^2 /NDF: 6730395.0/106

- sign 31.007 $\pm$ 0.004 χ^2 /NDF: 3588777.7/53

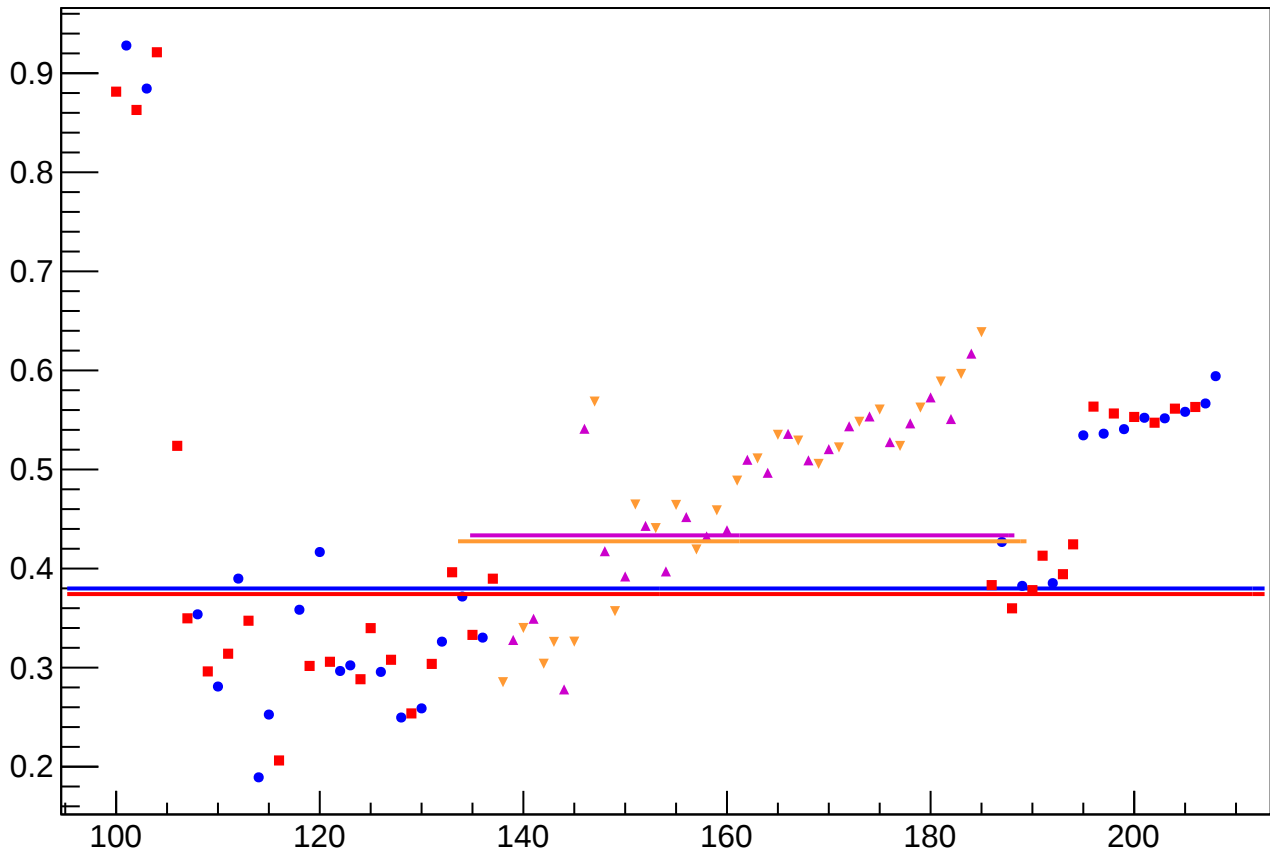
yield_bcm_an_ds_mean vs Slug



Right In: 144.255 $\pm$ 0.000 χ^2/NDF : 3487320924.7/27
 Left Out: 148.074 $\pm$ 0.000 χ^2/NDF : 65673678.9/24
 Right Out: 142.702 $\pm$ 0.000 χ^2/NDF : 7407168456.3/30
 Left In: 147.660 $\pm$ 0.000 χ^2/NDF : 343892338.9/22

+ sign 146.250 $\pm$ 0.000 χ^2/NDF : 4197869841.4/52
 All: 145.666 $\pm$ 0.000 χ^2/NDF : 13165762281.
 - sign 145.086 $\pm$ 0.000 χ^2/NDF : 8847201660.2/53

yield_bcm_an_ds_rms vs Slug



Right In: 0.380 $\pm$ 0.000 χ^2 /NDF: 2881670.0/27

Left Out: 0.428 $\pm$ 0.000 χ^2 /NDF:1892802.8/24

Right Out: 0.374 $\pm$ 0.000 χ^2 /NDF: 2529702.3/30

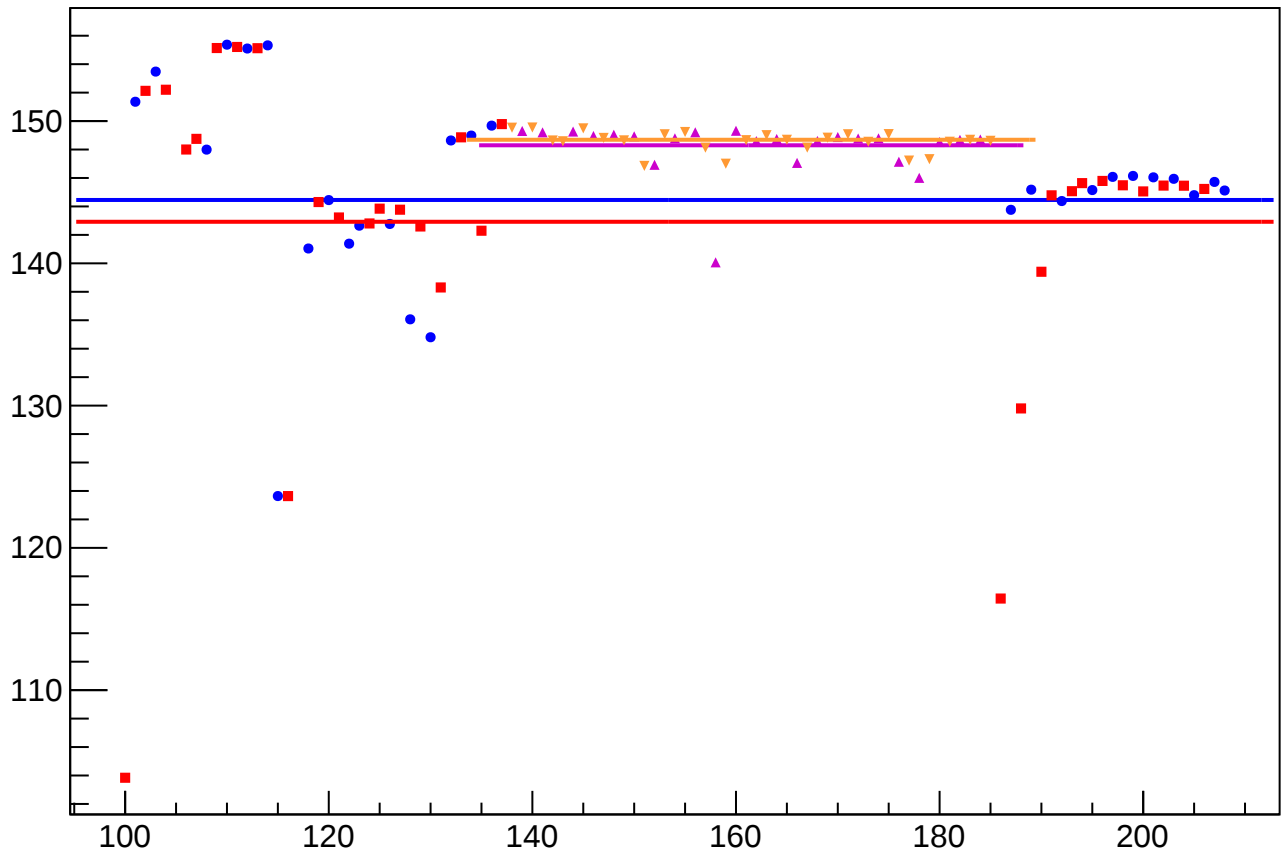
Left In: 0.434 $\pm$ 0.000 χ^2 /NDF:1479367.0/22

+ sign 0.405 $\pm$ 0.000 χ^2 /NDF: 4975053.9/52

All: 0.404 $\pm$ 0.000 χ^2 /NDF: 9298128.7/106

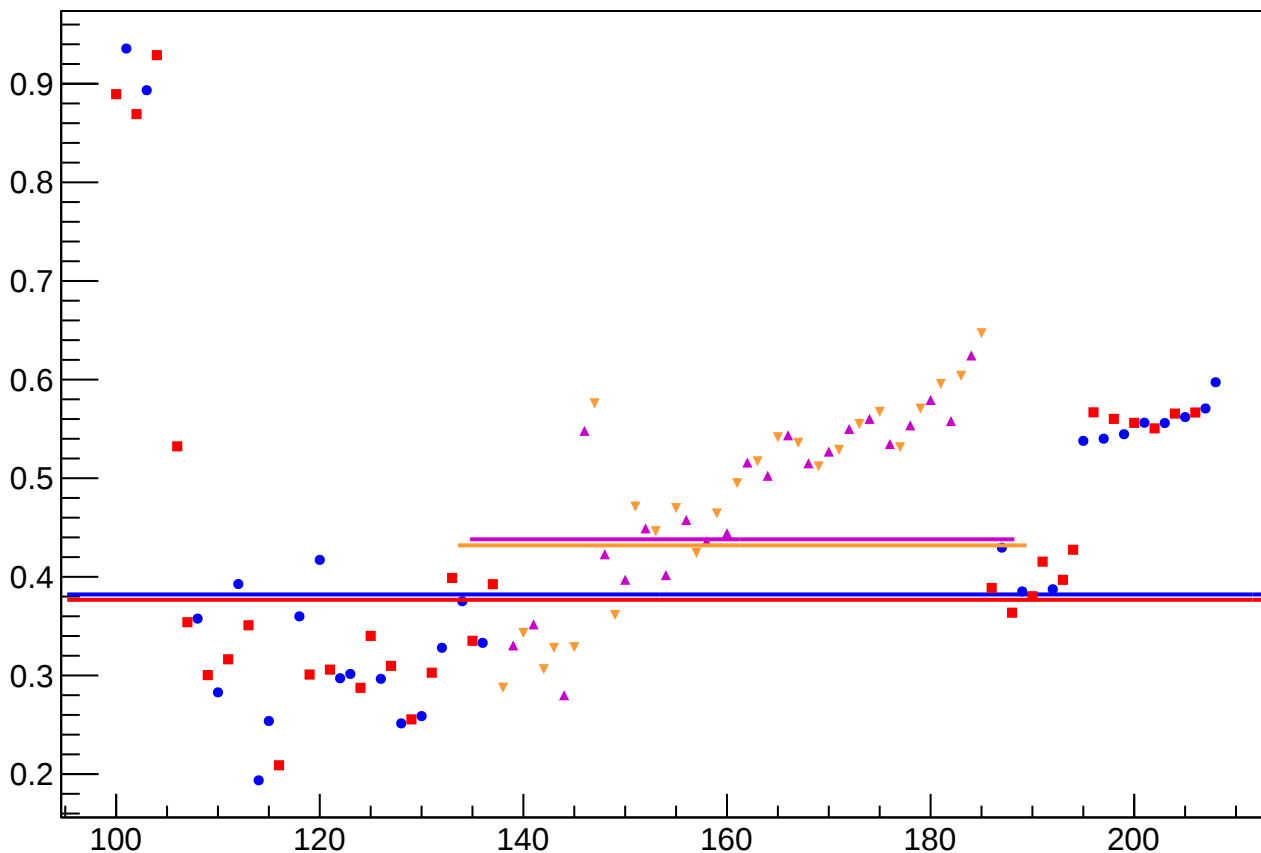
- sign 0.403 $\pm$ 0.000 χ^2 /NDF: 4322326.3/53

yield_bcm_an_ds3_mean vs Slug



Right In: 144.454 $\pm$ 0.000	χ^2 /NDF: 3536155640.1/27	+ sign 146.657 $\pm$ 0.000	χ^2 /NDF: 4367489578.3/52
Left Out: 148.687 $\pm$ 0.000	χ^2 /NDF: 52285197.5/24	All: 146.074 $\pm$ 0.000	χ^2 /NDF: 13439662784.
Right Out: 142.922 $\pm$ 0.000	χ^2 /NDF: 7355632171.4/30	- sign 145.495 $\pm$ 0.000	χ^2 /NDF: 8954207753.6/53
Left In: 148.298 $\pm$ 0.000	χ^2 /NDF: 332527463.6/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.382 $\pm$ 0.000 χ^2 /NDF: 2889366.3/27

Left Out: 0.432 $\pm$ 0.000 χ^2 /NDF:1924979.0/24

Right Out: 0.377 $\pm$ 0.000 χ^2 /NDF: 2533608.0/30

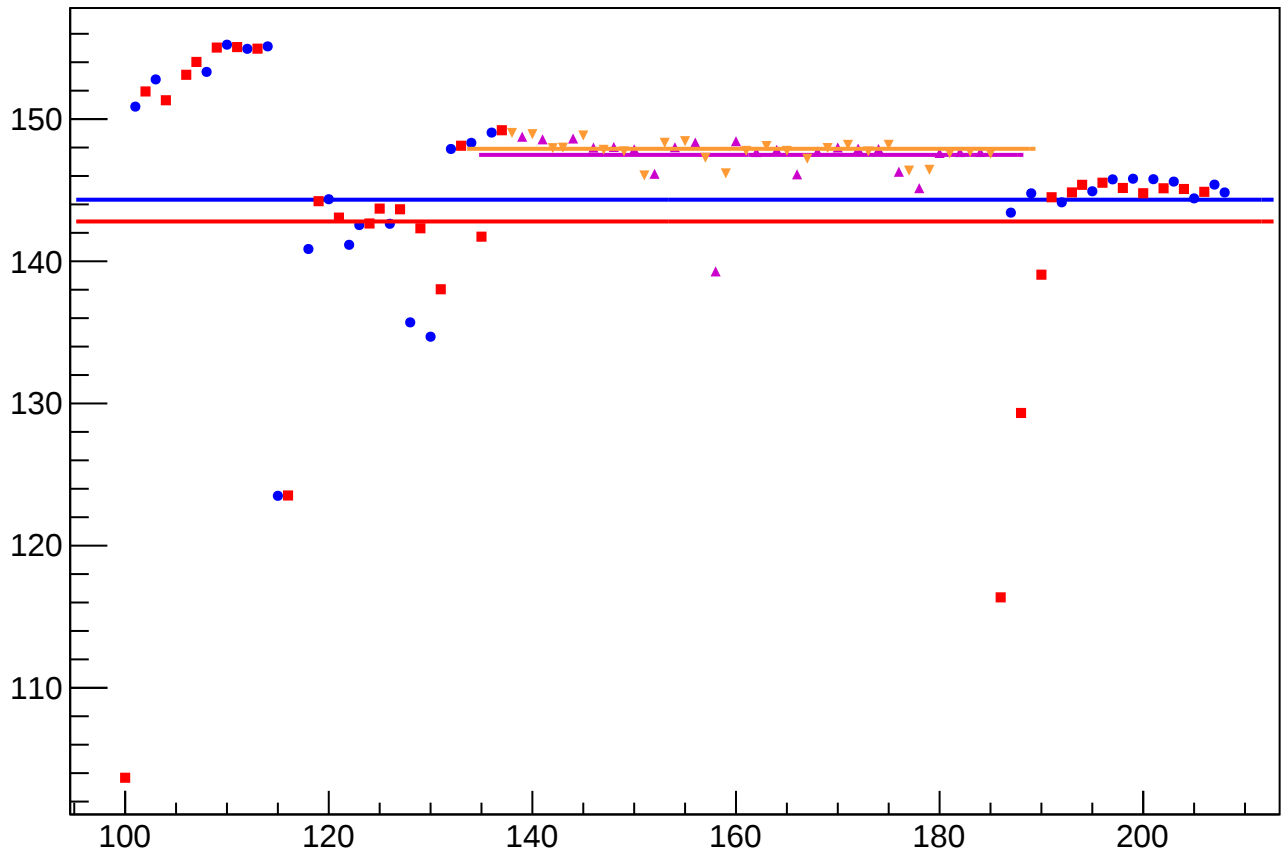
Left In: 0.438 $\pm$ 0.000 χ^2 /NDF:1504635.6/22

+ sign 0.408 $\pm$ 0.000 χ^2 /NDF: 5029667.5/52

All: 0.407 $\pm$ 0.000 χ^2 /NDF: 9398240.4/106

- sign 0.406 $\pm$ 0.000 χ^2 /NDF: 4367893.9/53

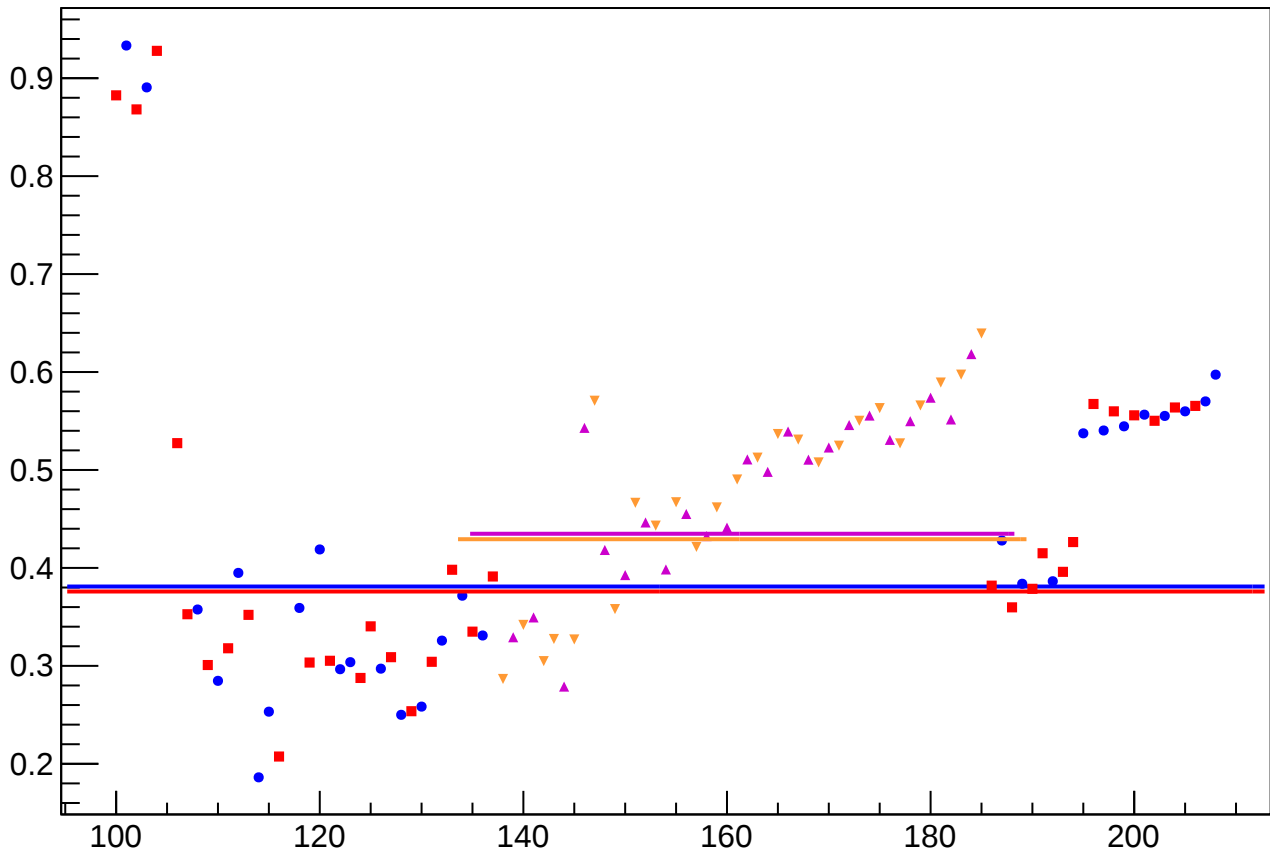
yield_bcm_an_us_mean vs Slug



Right In: 144.331 +/- 0.000 χ^2/NDF : 3693273946.5/27
 Left Out: 147.912 +/- 0.000 χ^2/NDF : 64463426.1/24
 Right Out: 142.800 +/- 0.000 χ^2/NDF : 7784278939.4/30
 Left In: 147.483 +/- 0.000 χ^2/NDF : 342674720.4/22

+ sign 146.202 +/- 0.000 χ^2/NDF : 4320270910.3/52
 All: 145.626 +/- 0.000 χ^2/NDF : 13533845245.
 - sign 145.054 +/- 0.000 χ^2/NDF : 9097429491.3/53

yield_bcm_an_us_rms vs Slug



Right In: 0.381 $\pm$ 0.000 χ^2 /NDF: 2915699.0/27

Left Out: 0.429 $\pm$ 0.000 χ^2 /NDF:1891709.3/24

Right Out: 0.376 $\pm$ 0.000 χ^2 /NDF: 2534238.3/30

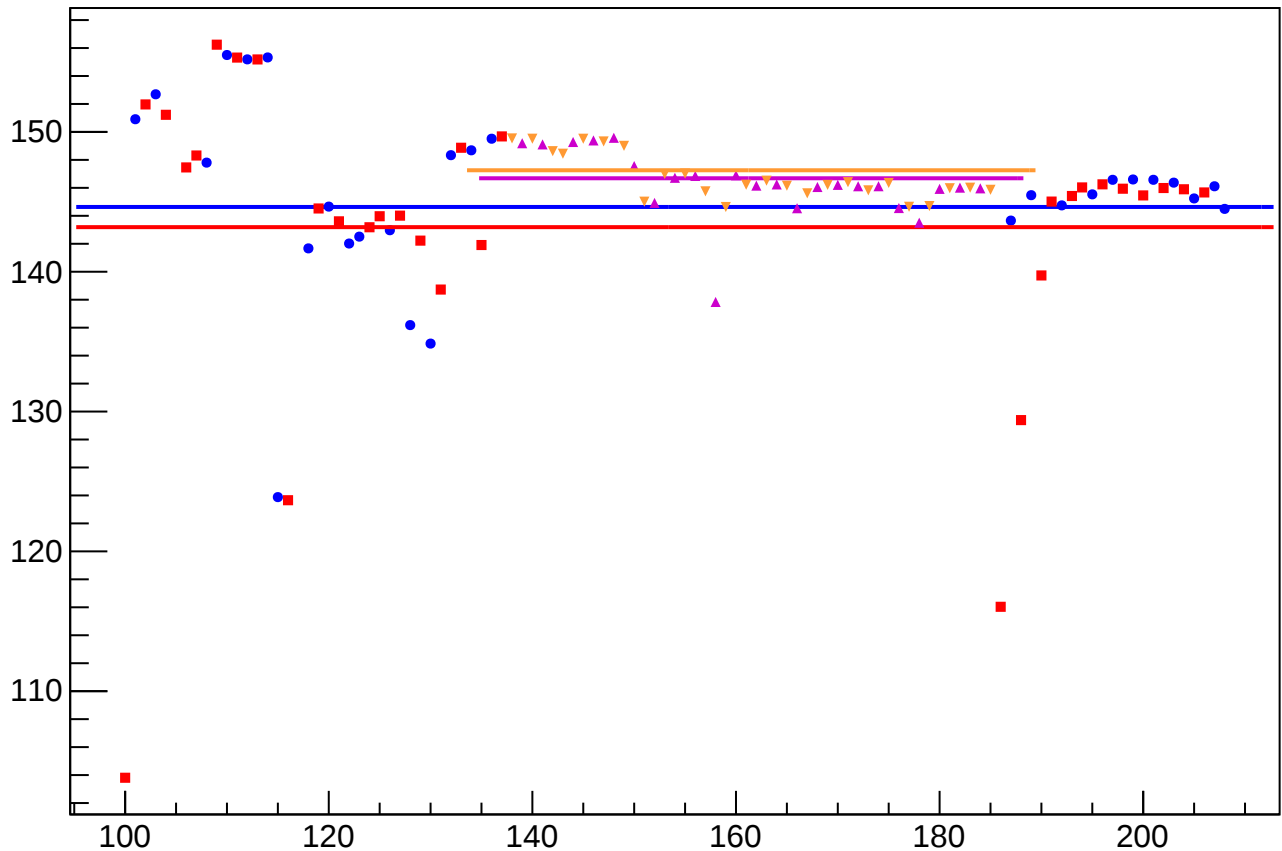
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1485915.1/22

+ sign 0.406 $\pm$ 0.000 χ^2 /NDF: 5012064.0/52

All: 0.405 $\pm$ 0.000 χ^2 /NDF: 9340443.5/106

- sign 0.404 $\pm$ 0.000 χ^2 /NDF: 4327719.2/53

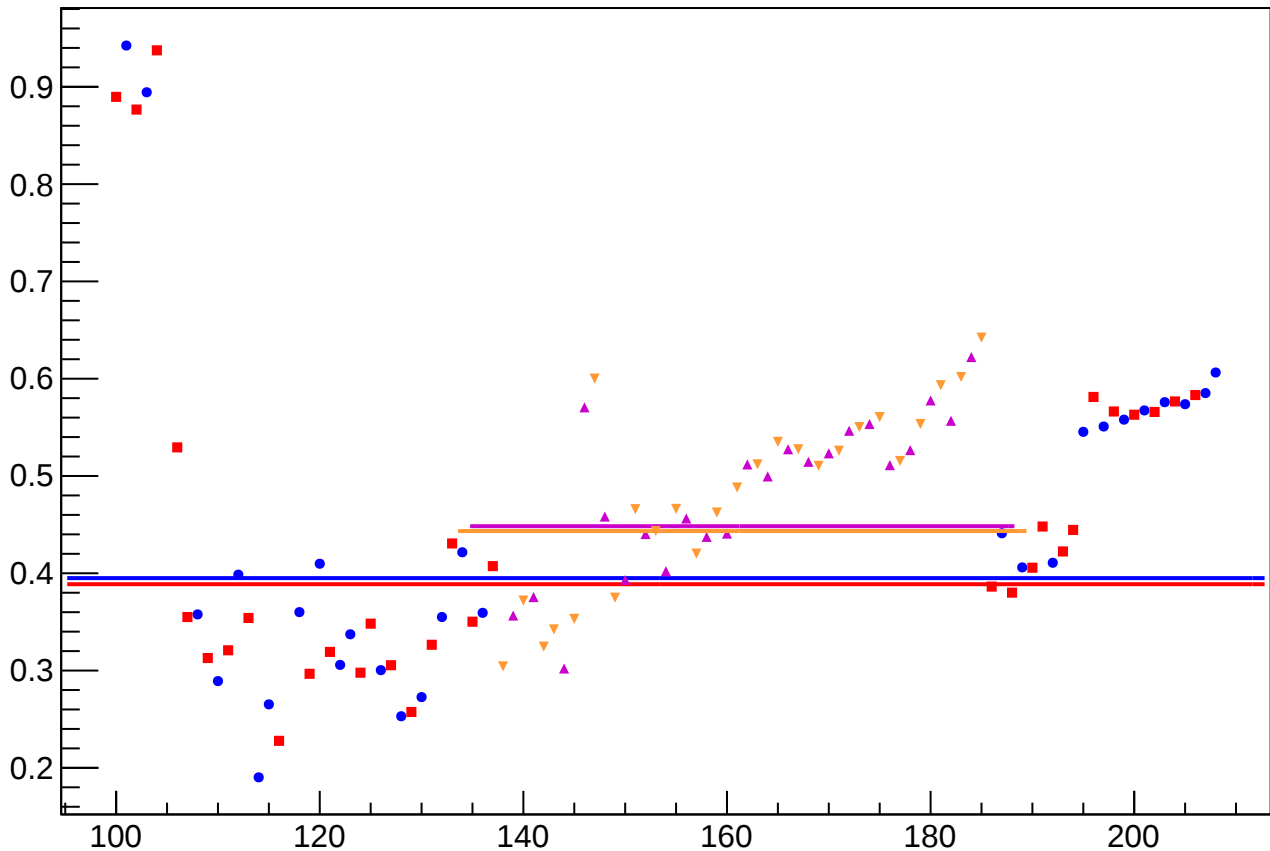
yield_bcm_dg_us_mean vs Slug



Right In: 144.634 $\pm$ 0.000 χ^2 /NDF: 3219145833.8/27
 Left Out: 147.257 $\pm$ 0.000 χ^2 /NDF: 261906278.3/24
 Right Out: 143.189 $\pm$ 0.000 χ^2 /NDF: 7121579127.8/30
 Left In: 146.685 $\pm$ 0.000 χ^2 /NDF: 554922388.0/22

+ sign 146.016 $\pm$ 0.000 χ^2 /NDF: 3764309859.9/52
 All: 145.448 $\pm$ 0.000 χ^2 /NDF: 12055617877.
 - sign 144.888 $\pm$ 0.000 χ^2 /NDF: 8185760687.2/53

yield_bcm_dg_us_rms vs Slug



Right In: 0.395 $\pm$ 0.000 χ^2 /NDF: 2834911.0/27

Left Out: 0.443 $\pm$ 0.000 χ^2 /NDF:1480479.3/24

Right Out: 0.389 $\pm$ 0.000 χ^2 /NDF: 2471789.0/30

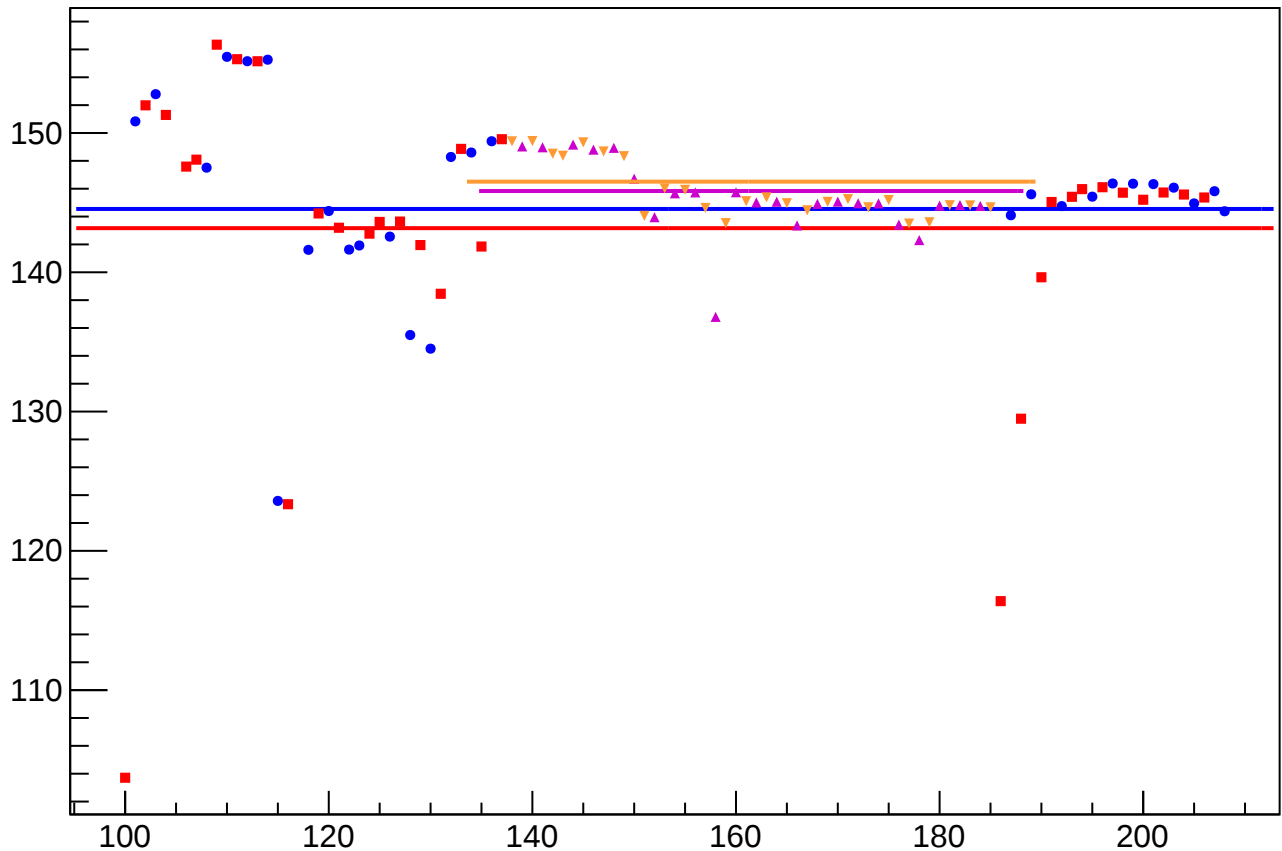
Left In: 0.448 $\pm$ 0.000 χ^2 /NDF:1120261.8/22

+ sign 0.420 $\pm$ 0.000 χ^2 /NDF: 4507847.1/52

All: 0.419 $\pm$ 0.000 χ^2 /NDF: 8397646.2/106

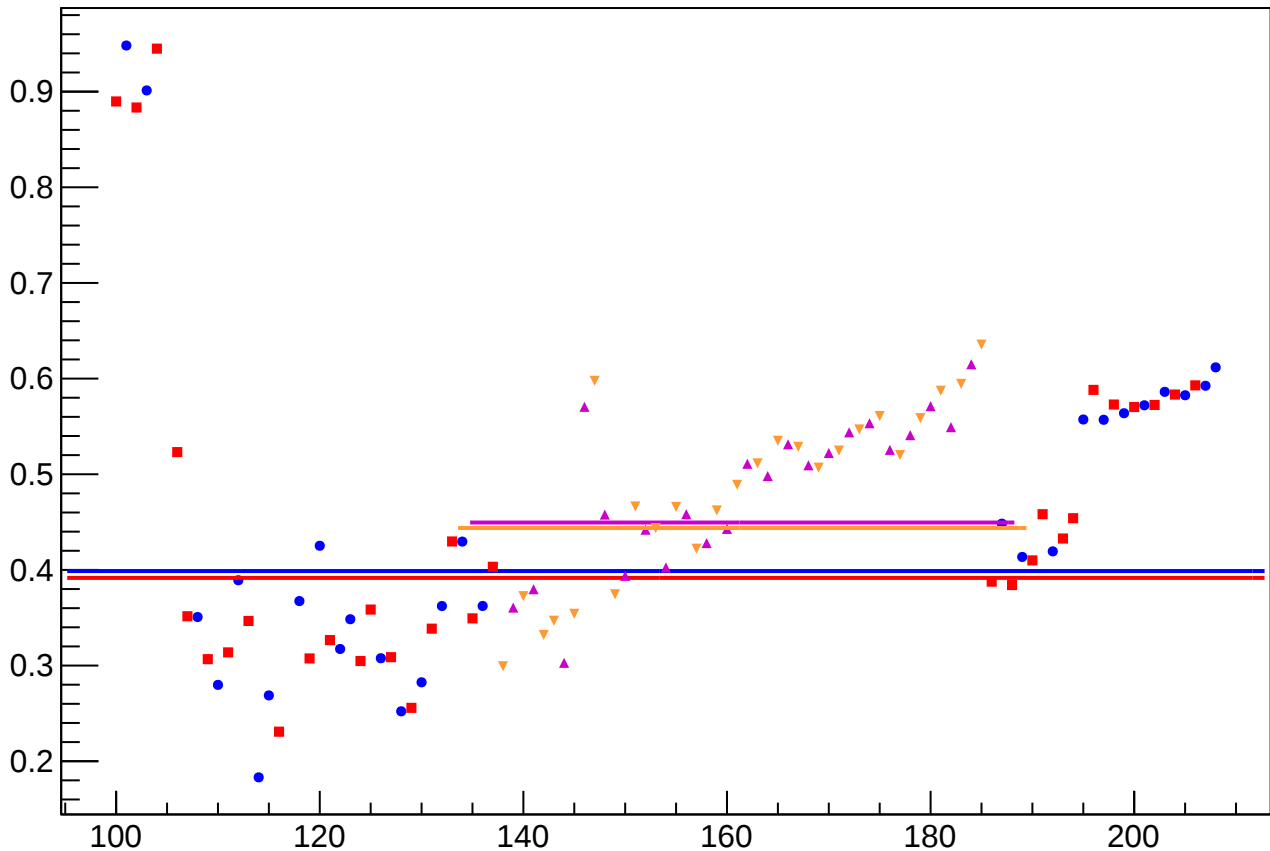
- sign 0.418 $\pm$ 0.000 χ^2 /NDF: 3888523.4/53

yield_bcm_dg_ds_mean vs Slug



Right In: 144.547 $\pm$ 0.000	χ^2 /NDF: 3328951922.7/27	+ sign 145.590 $\pm$ 0.000	χ^2 /NDF: 3886412117.8/52
Left Out: 146.508 $\pm$ 0.000	χ^2 /NDF: 401248837.9/24	All: 145.028 $\pm$ 0.000	χ^2 /NDF: 12047490418.
Right Out: 143.167 $\pm$ 0.000	χ^2 /NDF: 7075428558.8/30	- sign 144.472 $\pm$ 0.000	χ^2 /NDF: 8058593578.2/53
Left In: 145.834 $\pm$ 0.000	χ^2 /NDF: 690172810.0/22		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.399 ± 0.000 χ^2/NDF : 2883886.5/27

Left Out: 0.444 ± 0.000 χ^2/NDF : 1460383.7/24

Right Out: 0.392 ± 0.000 χ^2/NDF : 2504299.4/30

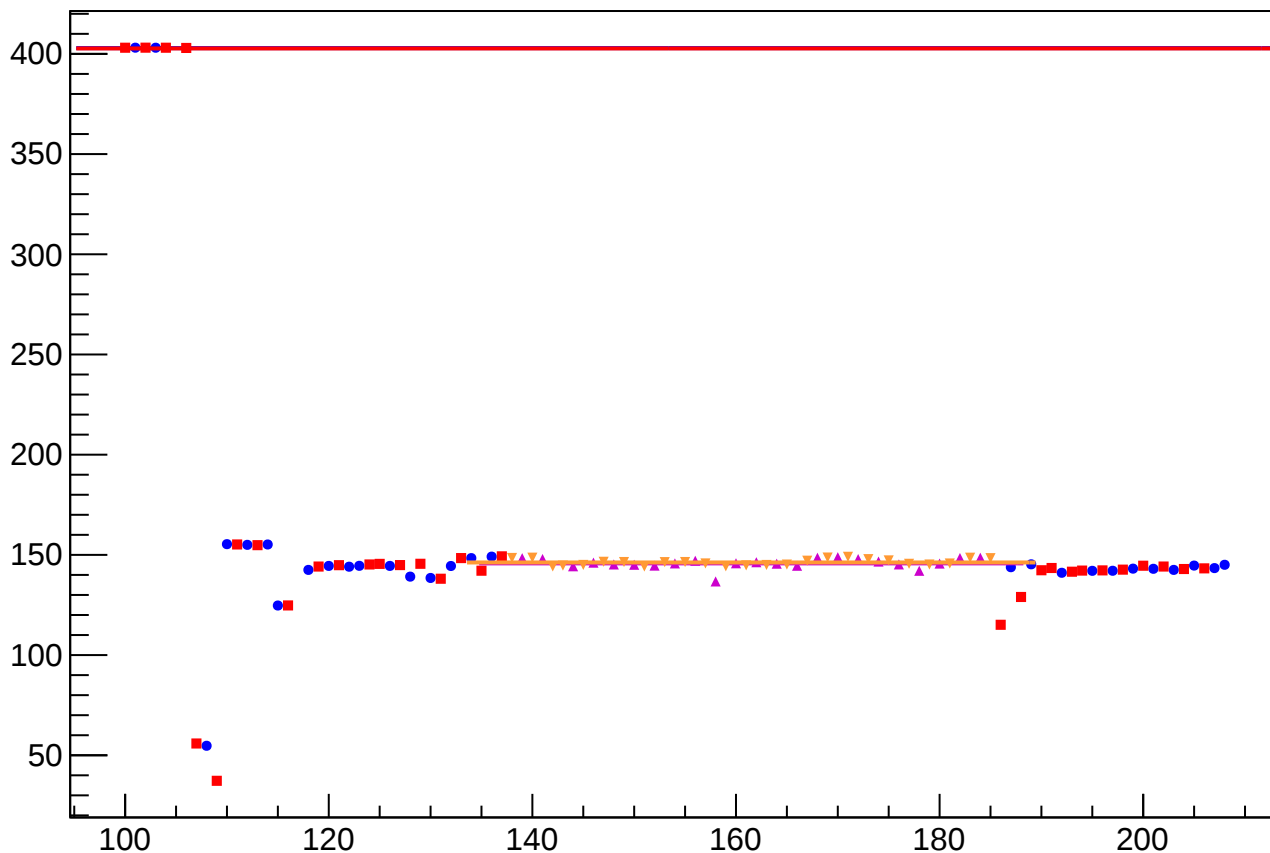
Left In: 0.450 ± 0.000 χ^2/NDF : 1092776.5/22

+ sign 0.423 ± 0.000 χ^2/NDF : 4508578.8/52

All: 0.421 ± 0.000 χ^2/NDF : 8382769.8/106

- sign 0.420 ± 0.000 χ^2/NDF : 3872932.2/53

yield_cav4bQ_mean vs Slug



Right In: 402.876+/-0.000 χ^2/NDF : 1752170815469.0/27

Left Out: 146.216+/-0.000 χ^2/NDF : 86042286.3/24

Right Out: 402.718+/-0.000 χ^2/NDF : 3855314982846.0/30

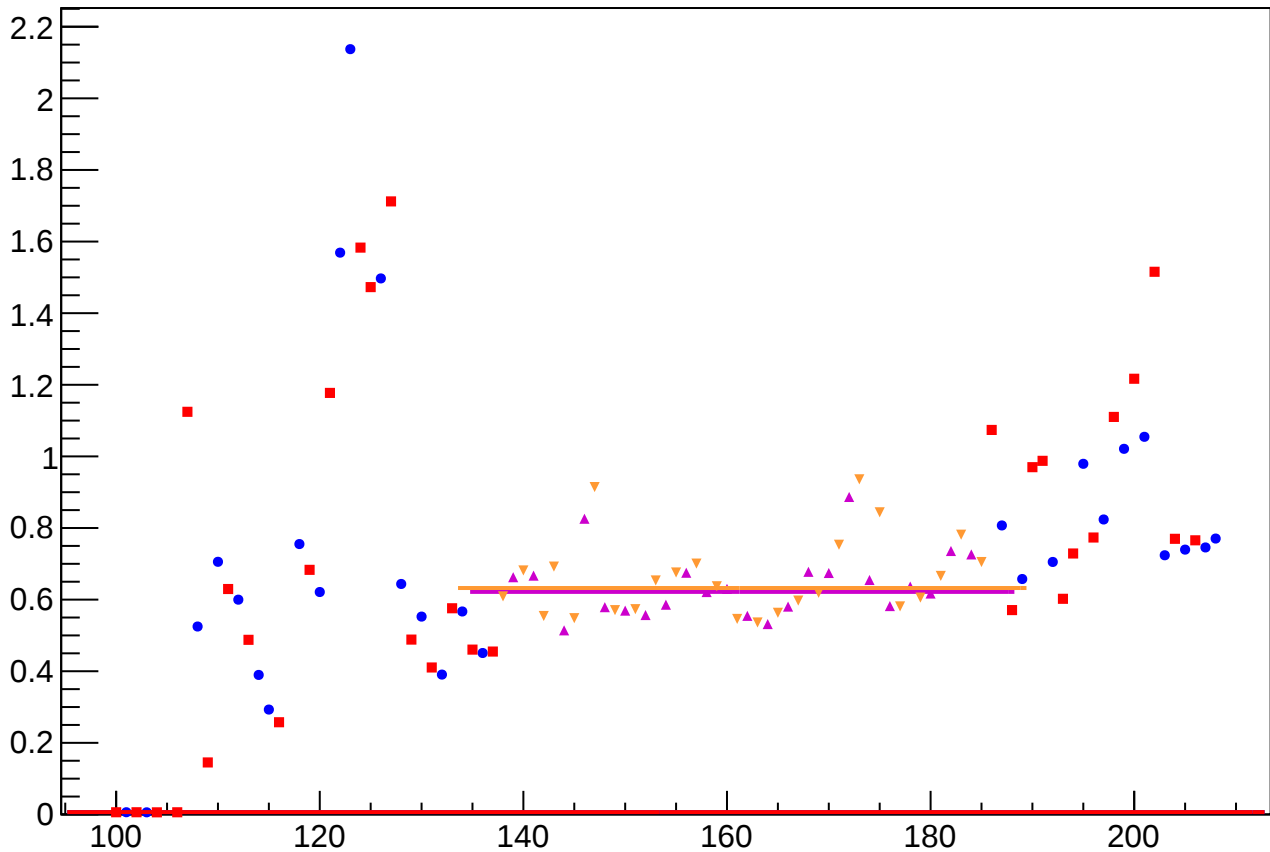
Left In: 145.755+/-0.000 χ^2/NDF : 206171532.0/22

+ sign 402.581+/-0.000 χ^2/NDF : 4111976246547.7

All: 402.517+/-0.000 χ^2/NDF : 102957691257

- sign 402.461+/-0.000 χ^2/NDF : 6183553607792.9

yield_cav4bQ_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 21339507.9/27

Left Out: 0.632 $\pm$ 0.000 χ^2 /NDF:613604.5/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 22362471.0/30

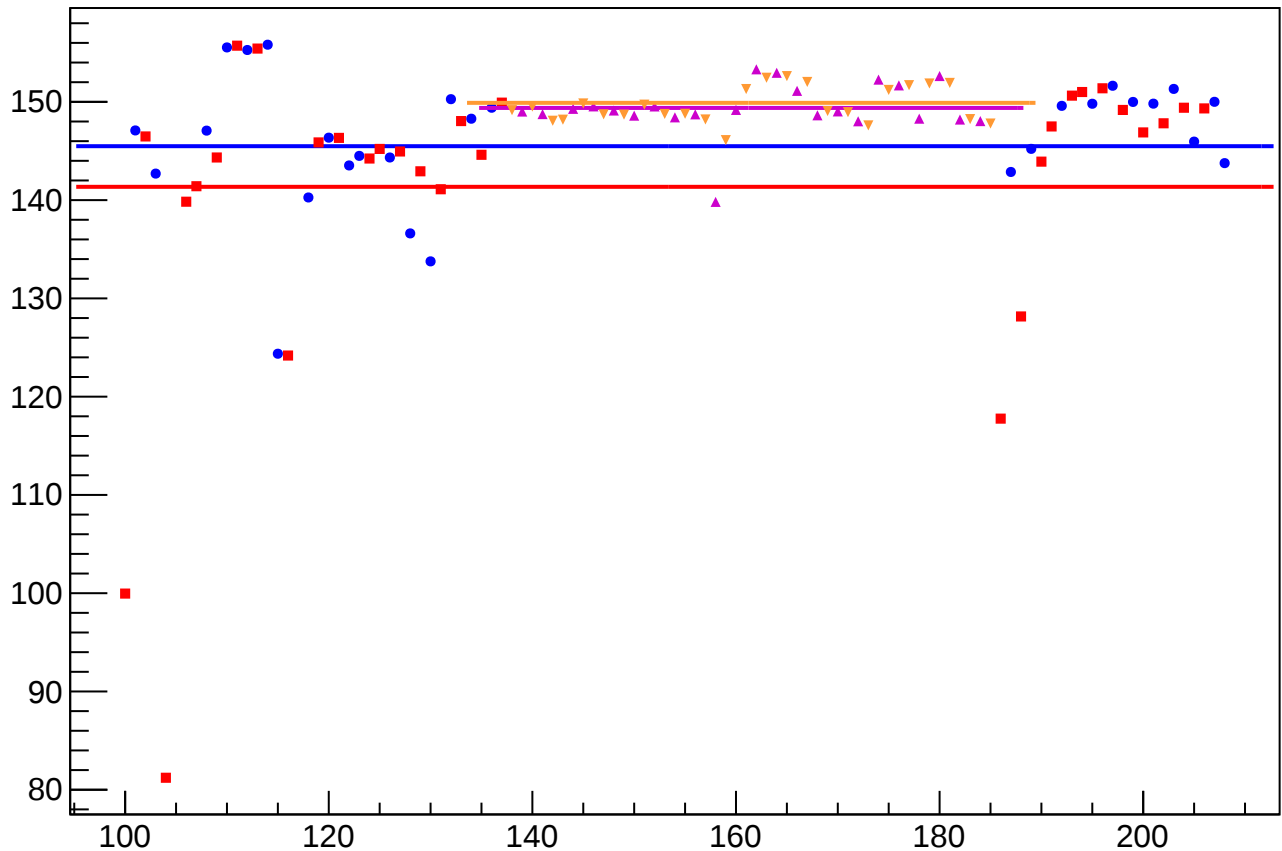
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:399965.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 50012557.9/52

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 99449868.8/106

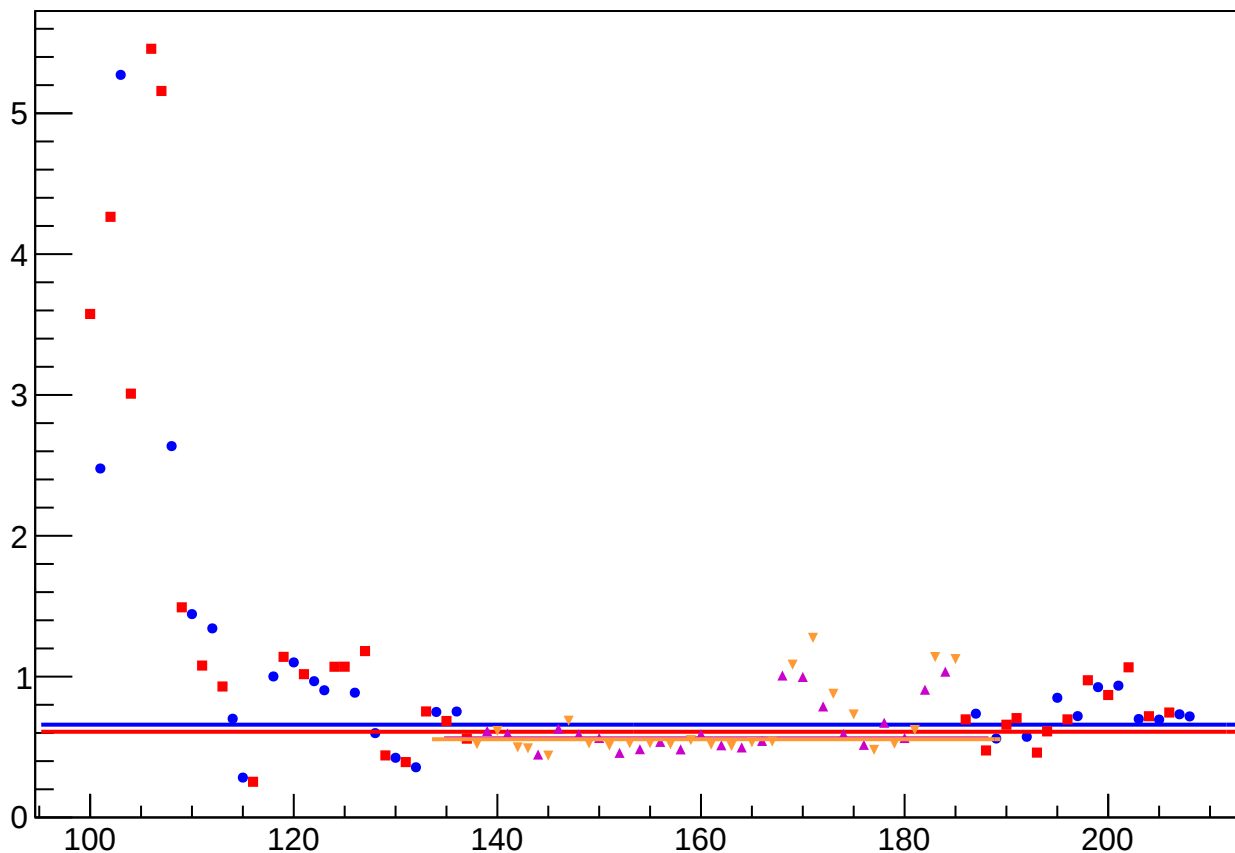
- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 49436755.1/53

yield_cav4cQ_mean vs Slug



Right In: 145.488 $\pm$ 0.000	χ^2 /NDF: 1331995660.9/27	+ sign 148.543 $\pm$ 0.000	χ^2 /NDF: 1798625926.6/52
Left Out: 149.900 $\pm$ 0.000	χ^2 /NDF: 162845622.6/24	All: 147.522 $\pm$ 0.000	χ^2 /NDF: 6724442674.5
Right Out: 141.354 $\pm$ 0.000	χ^2 /NDF: 3247297286.8/30	- sign 146.506 $\pm$ 0.000	χ^2 /NDF: 4773388093.9/53
Left In: 149.382 $\pm$ 0.000	χ^2 /NDF: 434657827.5/22		

yield_cav4cQ_rms vs Slug



Right In: 0.659 ± 0.000 χ^2/NDF : 4014849.5/27

Left Out: 0.555 ± 0.000 χ^2/NDF : 1773688.1/24

Right Out: 0.608 ± 0.000 χ^2/NDF : 5544050.6/30

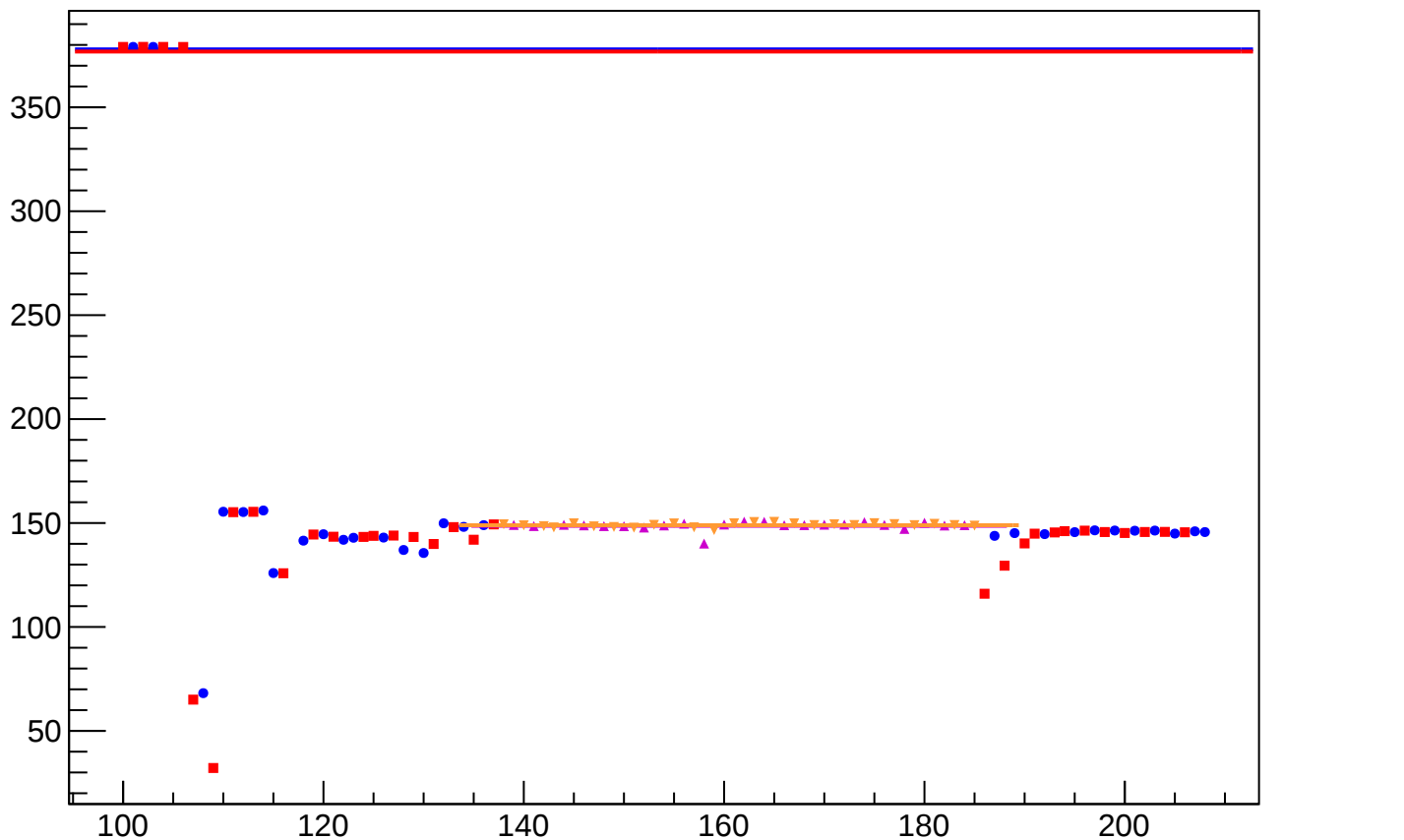
Left In: 0.562 ± 0.000 χ^2/NDF : 1305573.4/22

+ sign 0.587 ± 0.000 χ^2/NDF : 6122130.8/52

All: 0.583 ± 0.000 χ^2/NDF : 13051399.5/106

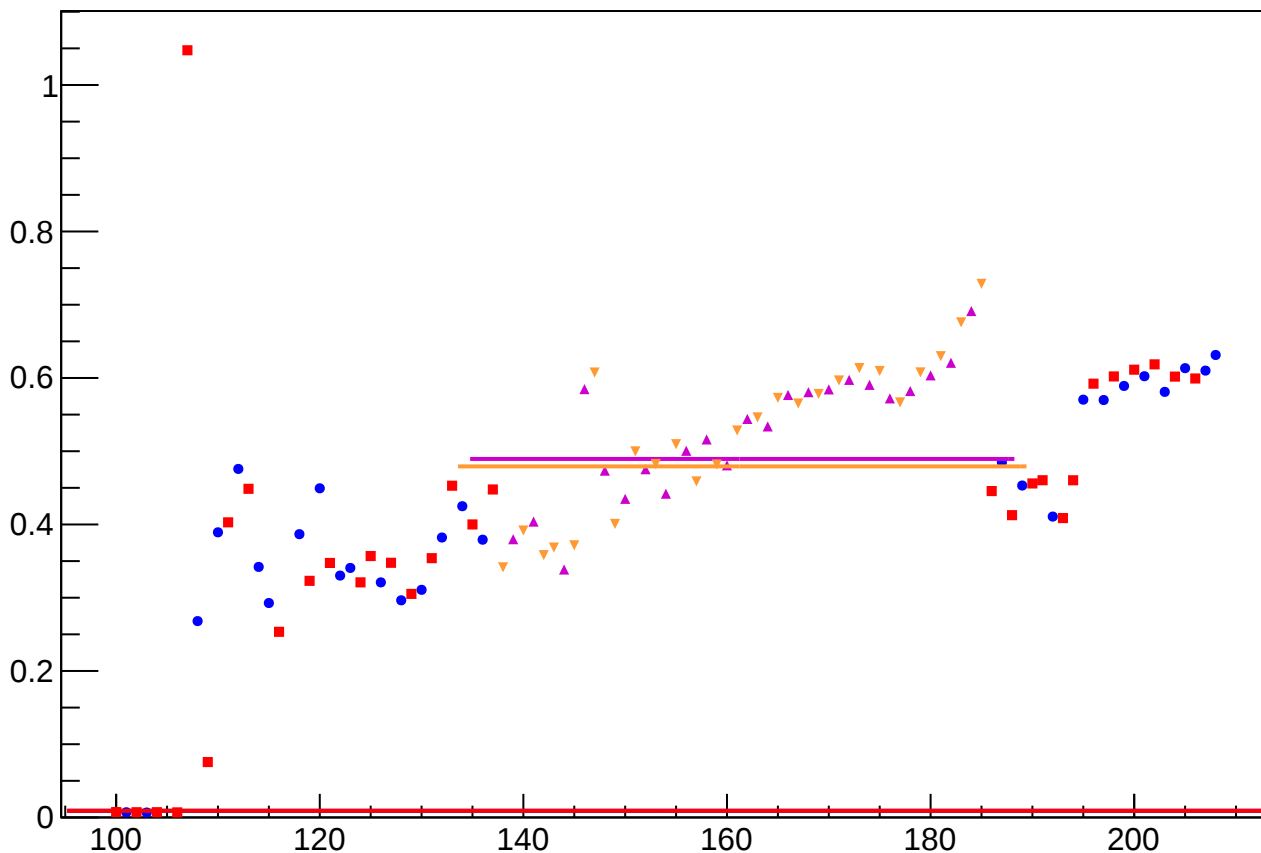
- sign 0.579 ± 0.000 χ^2/NDF : 6923610.7/53

yield_cav4dQ_mean vs Slug



Right In: 377.854+/-0.000	χ^2/NDF : 3835978443304.9/27	+ sign 376.579+/-0.000	χ^2/NDF : 7728625066057.9
Left Out: 148.944+/-0.000	χ^2/NDF : 63976941.3/24	All: 376.166+/-0.000	χ^2/NDF : 212256238930
Right Out: 376.825+/-0.000	χ^2/NDF : 9948110112903.1/30	- sign 375.804+/-0.000	χ^2/NDF : 13492702817882.7
Left In: 148.672+/-0.000	χ^2/NDF : 252846428.3/22		

yield_cav4dQ_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 24237239.5/27

Left Out: 0.479 $\pm$ 0.000 χ^2 /NDF:1516566.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 24531443.1/30

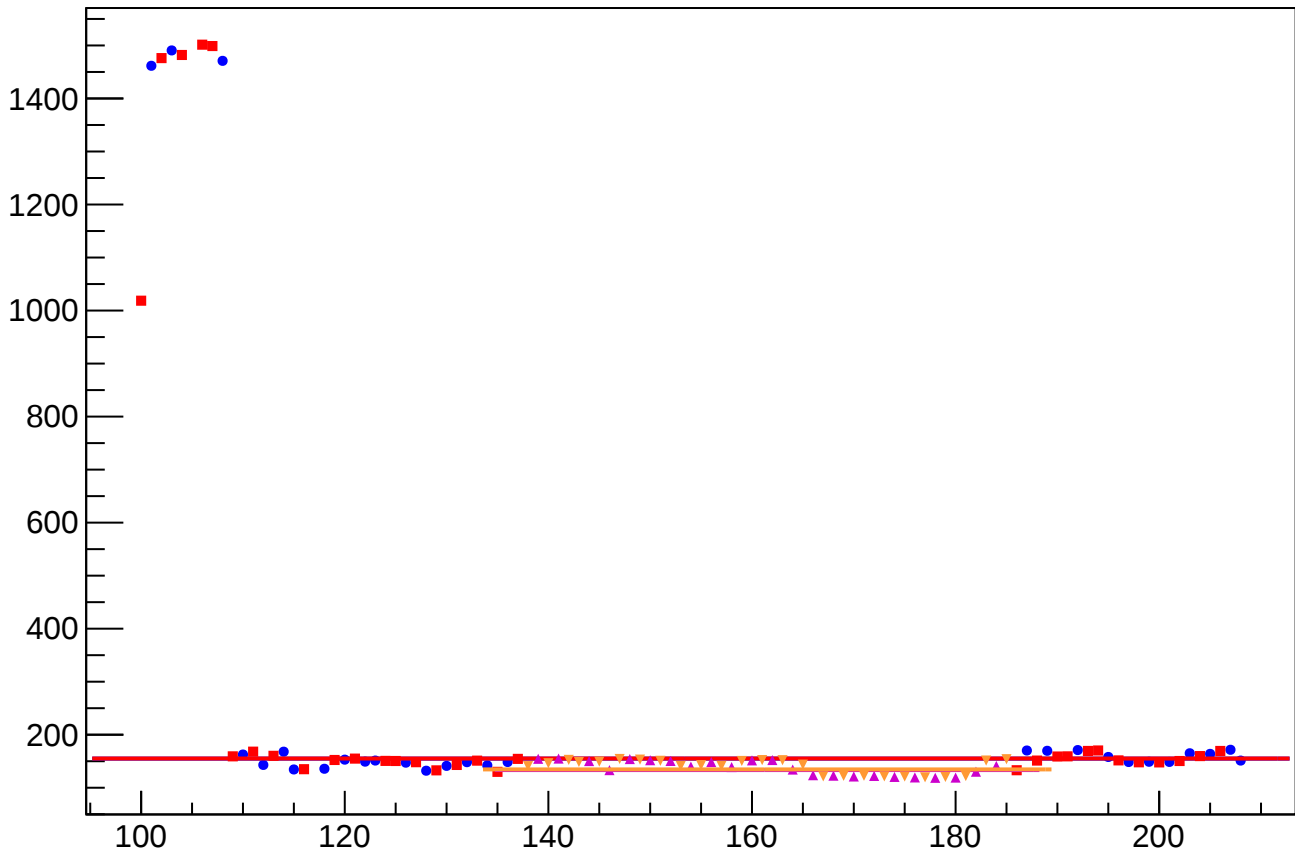
Left In: 0.489 $\pm$ 0.000 χ^2 /NDF:1076134.2/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 58600296.6/52

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 115632719.4/100

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 57029335.2/53

yield_bcm0l02_mean vs Slug



Right In: 154.908+/-0.000 χ^2/NDF : 25941899492.8/27

Left Out: 134.554+/-0.000 χ^2/NDF : 4376966869.3/24

Right Out: 155.107+/-0.000 χ^2/NDF : 34997213561.7/30

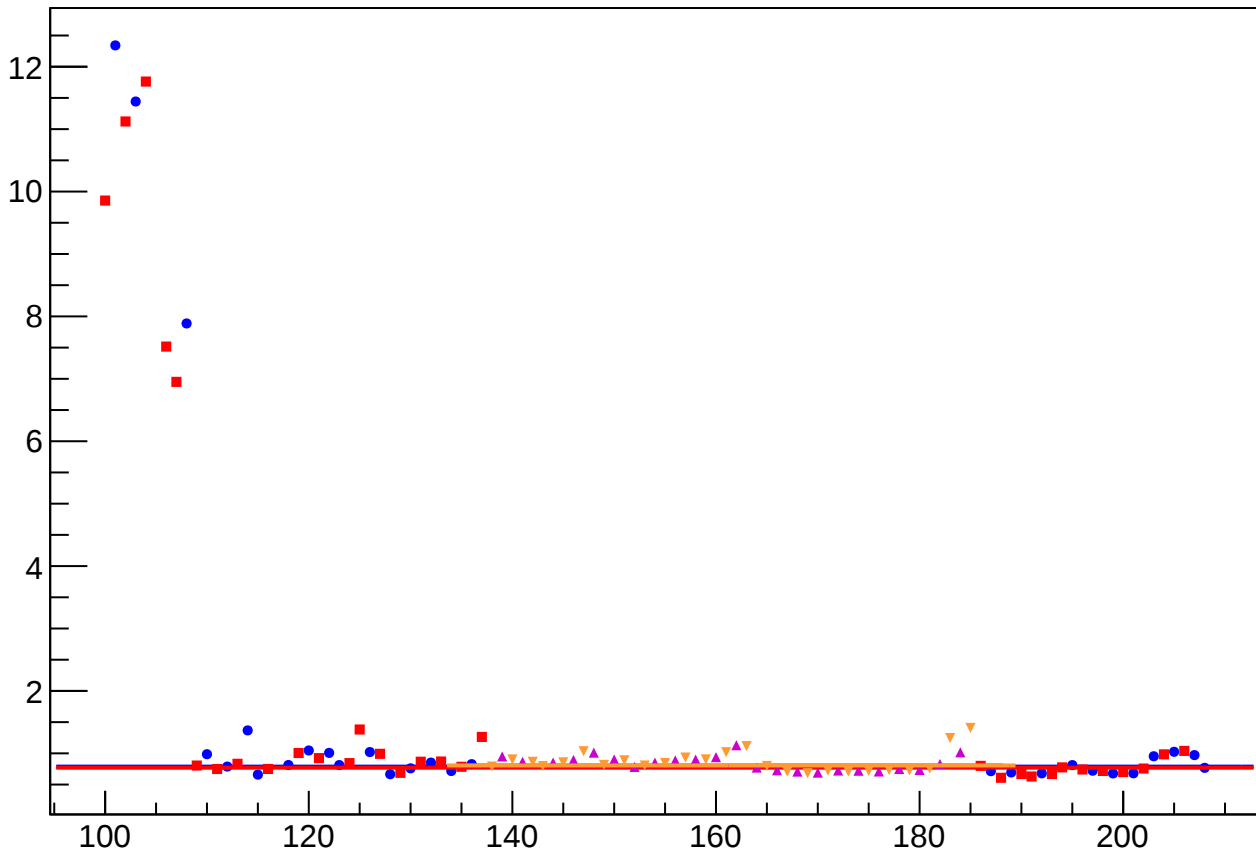
Left In: 133.337+/-0.000 χ^2/NDF : 4303812119.2/22

+ sign 143.006+/-0.000 χ^2/NDF : 34398210513.5/52

All: 143.021+/-0.000 χ^2/NDF : 78500494904.

- sign 143.036+/-0.000 χ^2/NDF : 44102265864.5/53

yield_bcm0l02_rms vs Slug



Right In: 0.787 $\pm$ 0.000 χ^2 /NDF: 3008112.8/27

Left Out: 0.806 $\pm$ 0.000 χ^2 /NDF:690578.5/24

Right Out: 0.771 $\pm$ 0.000 χ^2 /NDF: 3297804.1/30

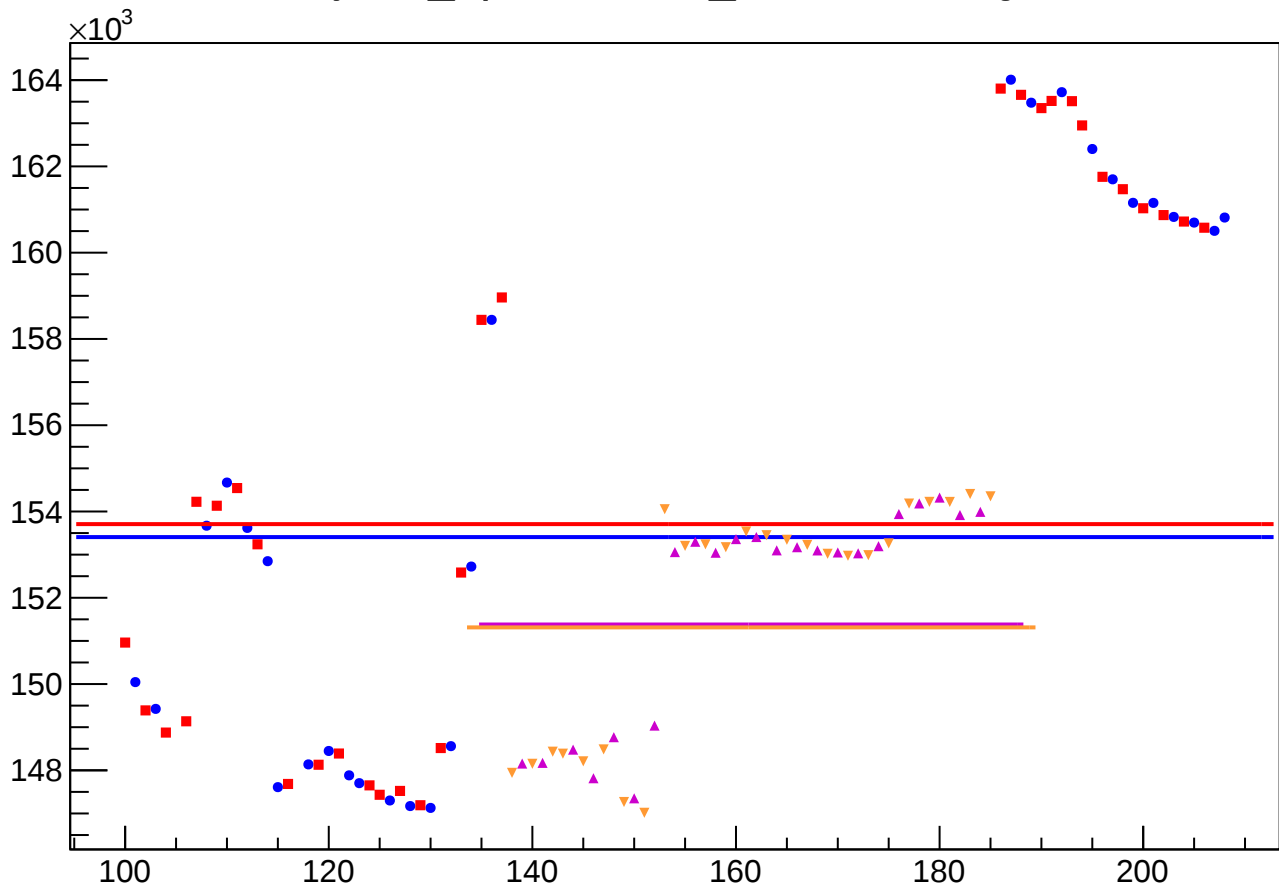
Left In: 0.805 $\pm$ 0.000 χ^2 /NDF:480510.8/22

+ sign 0.798 $\pm$ 0.000 χ^2 /NDF: 3705691.2/52

All: 0.794 $\pm$ 0.000 χ^2 /NDF: 7510852.9/106

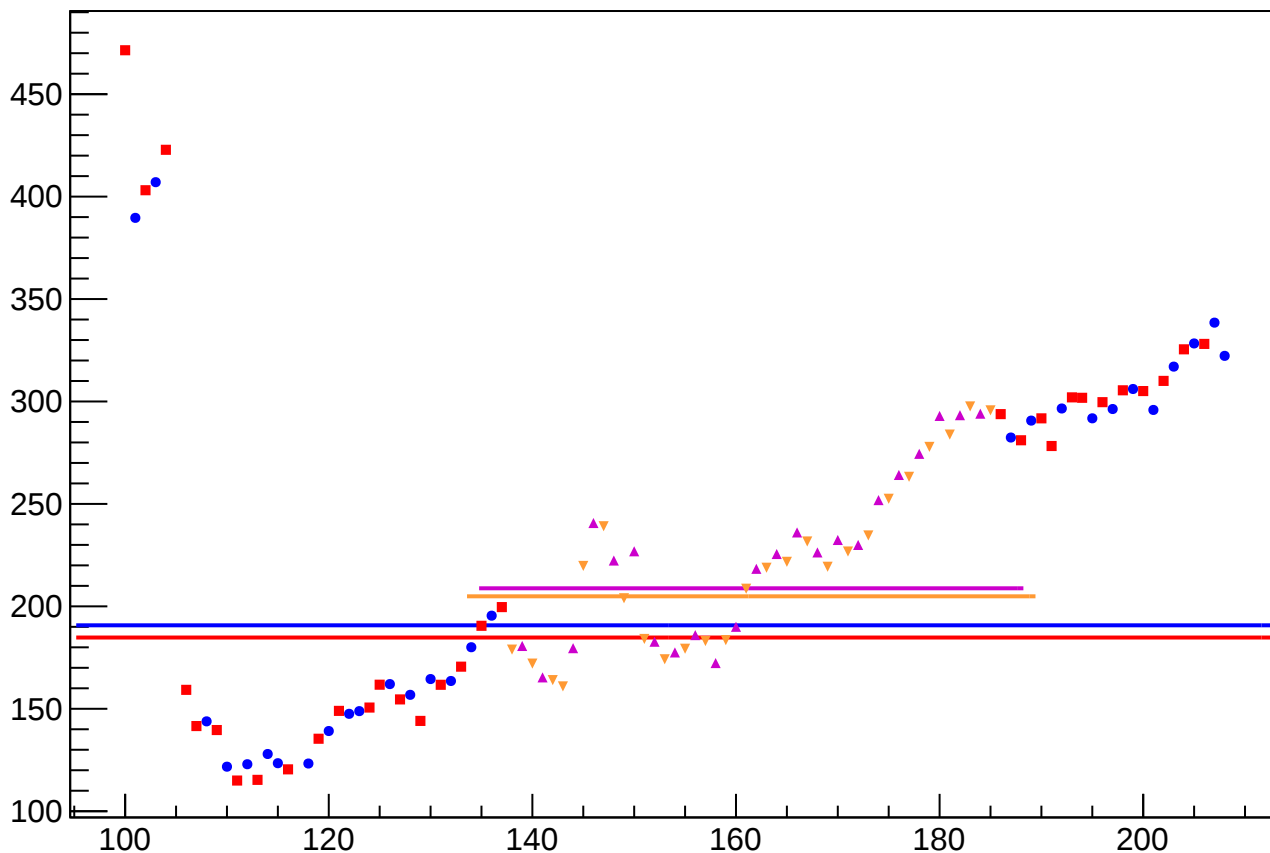
- sign 0.790 $\pm$ 0.000 χ^2 /NDF: 3802032.2/53

yield_bpm0i01WS_mean vs Slug



Right In: 153406.781 $\pm$ 0.055 χ^2 /NDF: 10977859063.7/27
 Left Out: 151313.284 $\pm$ 0.049 χ^2 /NDF: 3153768134.8/24
 Right Out: 153707.609 $\pm$ 0.052 χ^2 /NDF: 11581228648.1/30
 Left In: 151380.236 $\pm$ 0.051 χ^2 /NDF: 2363895785.3/22
 + sign 152237.068 $\pm$ 0.036 χ^2 /NDF: 14947586497.6
 All: 152378.731 $\pm$ 0.026 χ^2 /NDF: 299368780.0
 - sign 152521.577 $\pm$ 0.037 χ^2 /NDF: 14958856499.6

yield_bpm0i01WS_rms vs Slug



Right In: 190.746 $\pm$ 0.039 χ^2 /NDF: 4117286.0/27

Left Out: 204.900 $\pm$ 0.034 χ^2 /NDF:1056380.8/24

Right Out: 184.783 $\pm$ 0.037 χ^2 /NDF: 4392464.4/30

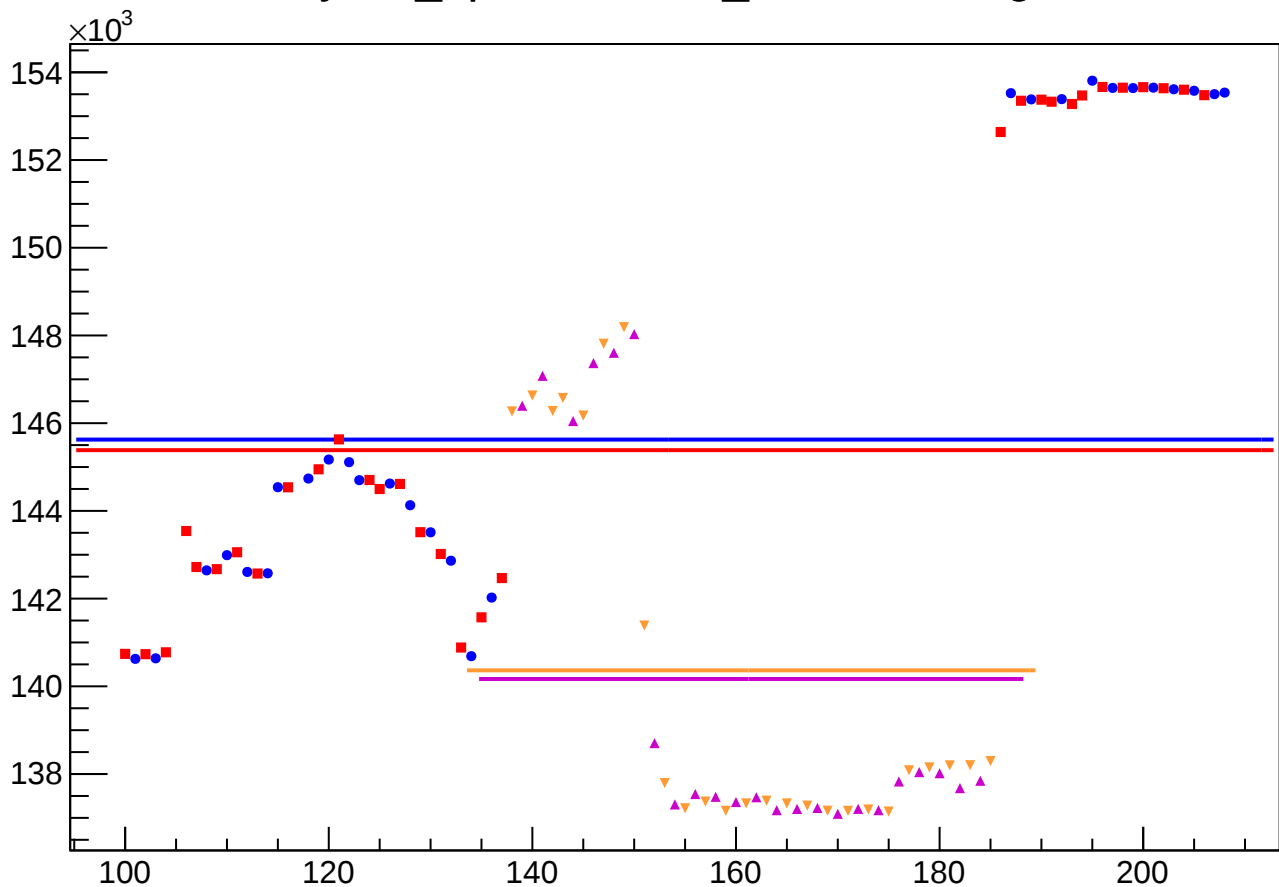
Left In: 208.813 $\pm$ 0.036 χ^2 /NDF:1001936.6/22

+ sign 198.654 $\pm$ 0.026 χ^2 /NDF: 5248255.8/52

All: 197.845 $\pm$ 0.018 χ^2 /NDF: 10860765.8/10

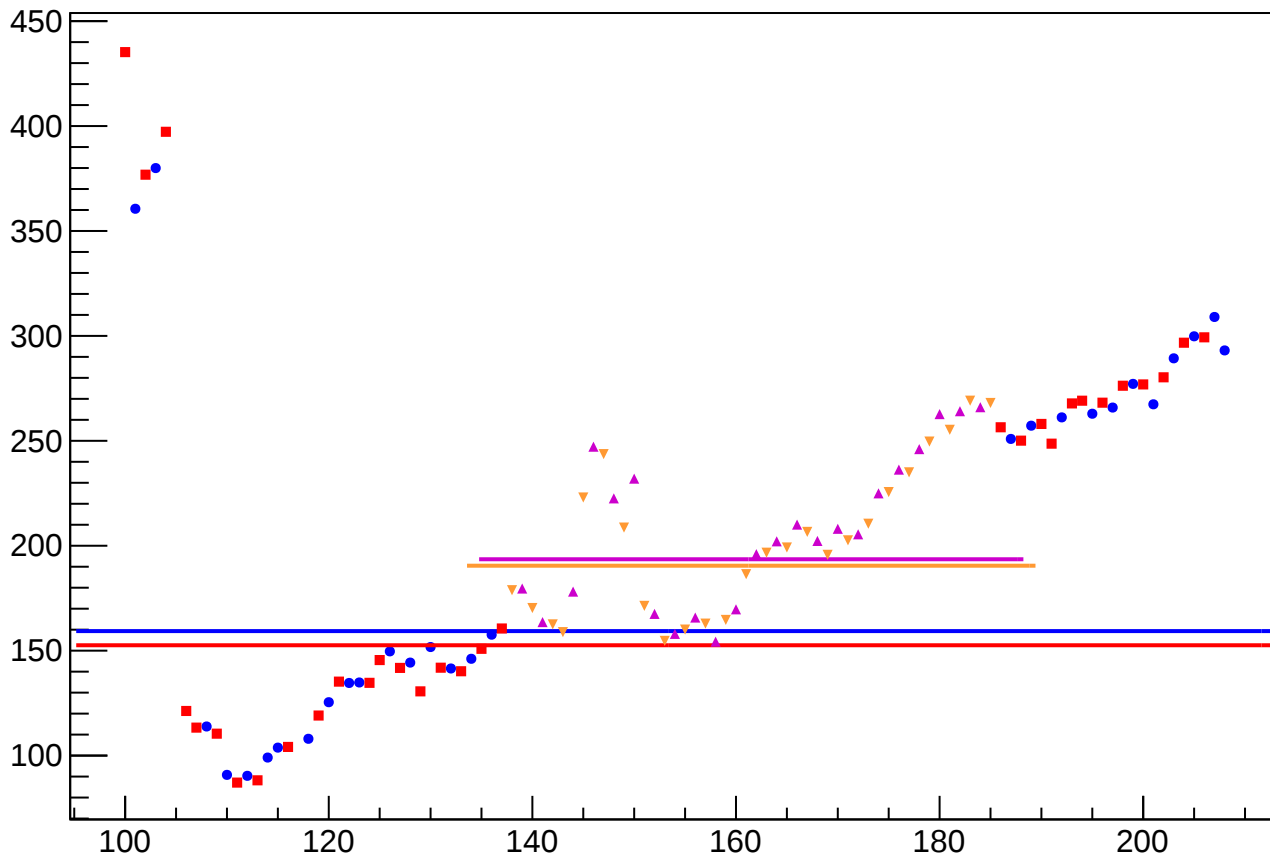
- sign 197.029 $\pm$ 0.026 χ^2 /NDF: 5610523.2/53

yield_bpm0i01aWS_mean vs Slug



Right In: 145625.854+/-0.047	χ^2/NDF : 8715622355.1/27	+ sign 142914.045+/-0.032	χ^2/NDF : 23953419412.2
Left Out: 140364.444+/-0.045	χ^2/NDF : 8677078677.7/24	All: 142950.889+/-0.023	χ^2/NDF : 479956280.2
Right Out: 145384.581+/-0.044	χ^2/NDF : 9475783889.2/30	- sign 142987.058+/-0.032	χ^2/NDF : 24039655972.2
Left In: 140166.971+/-0.047	χ^2/NDF : 8028464654.6/22		

yield_bpm0i01aWS_rms vs Slug



Right In: 159.326+/-0.033 χ^2/NDF : 5035258.4/27

Left Out: 190.486+/-0.032 χ^2/NDF : 950233.2/24

Right Out: 152.577+/-0.031 χ^2/NDF : 5357075.4/30

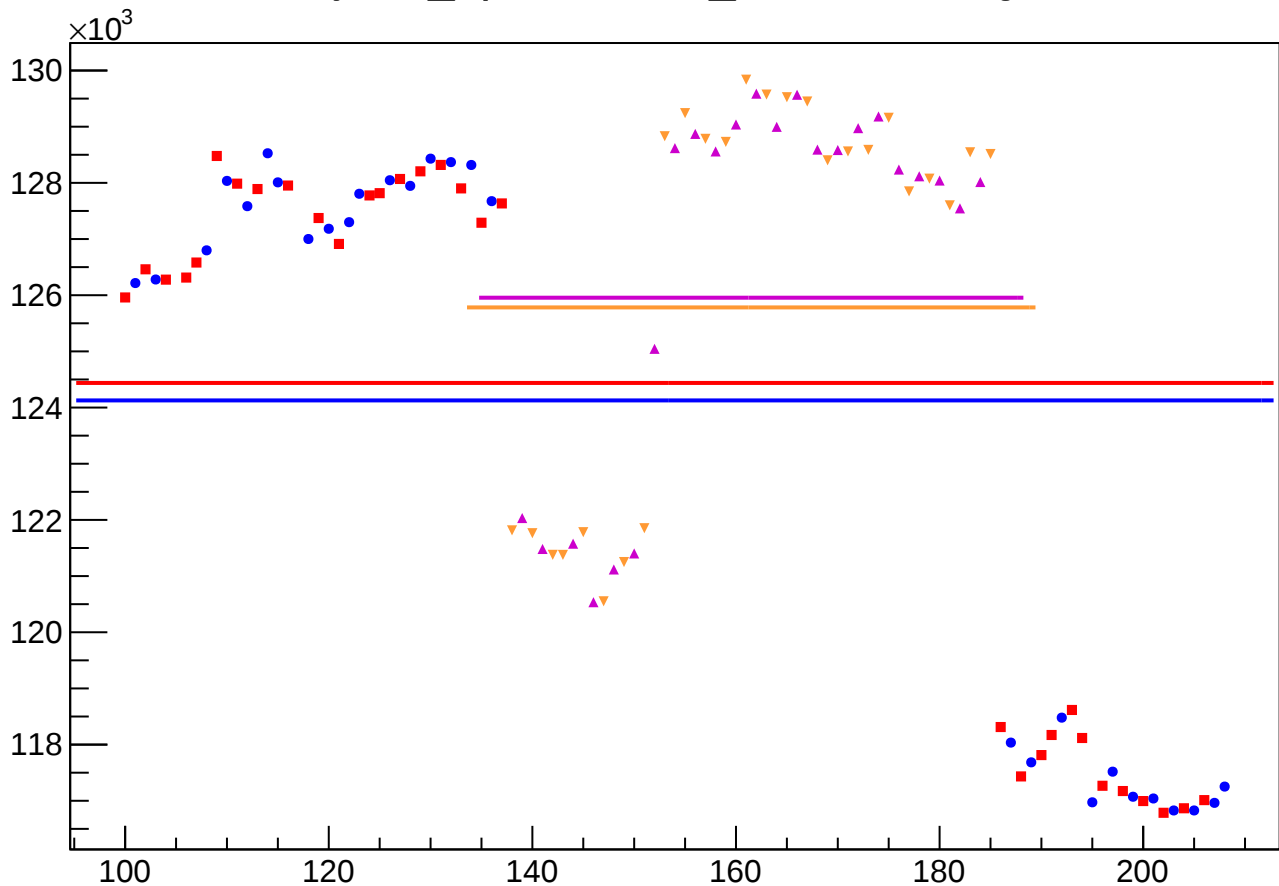
Left In: 193.558+/-0.034 χ^2/NDF : 963675.0/22

+ sign 175.386+/-0.023 χ^2/NDF : 6445714.8/52

All: 173.379+/-0.016 χ^2/NDF : 13587984.4/10

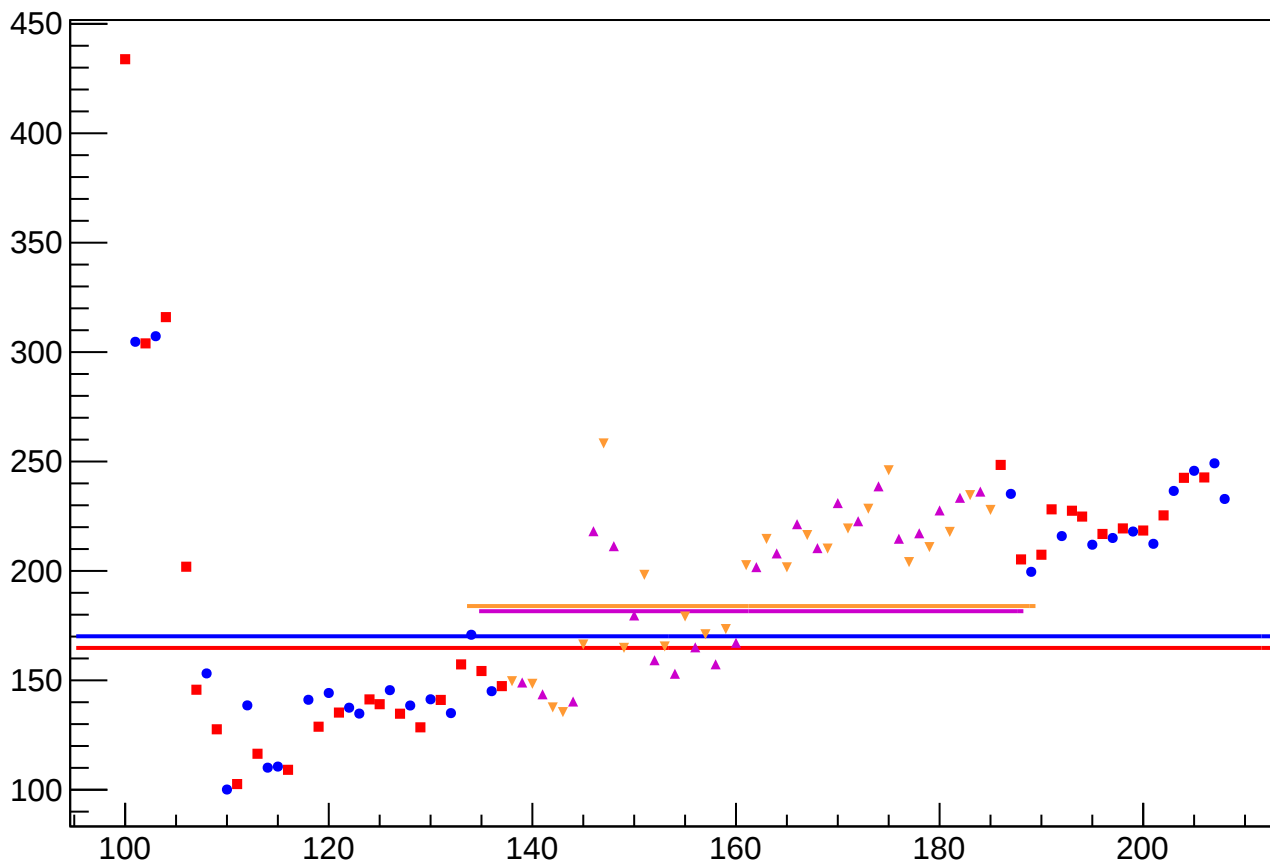
- sign 171.408+/-0.023 χ^2/NDF : 7127113.2/53

yield_bpm0l01WS_mean vs Slug



Right In: 124127.207 $\pm$ 0.047 χ^2 /NDF: 11137146761.5/27
 Left Out: 125782.764 $\pm$ 0.044 χ^2 /NDF: 6729761889.8/24
 Right Out: 124438.251 $\pm$ 0.045 χ^2 /NDF: 11493207814.5/30
 Left In: 125955.637 $\pm$ 0.045 χ^2 /NDF: 5804088930.1/22
 + sign 125011.619 $\pm$ 0.032 χ^2 /NDF: 18526245897.7
 All: 125106.938 $\pm$ 0.023 χ^2 /NDF: 364121875.8
 - sign 125199.781 $\pm$ 0.032 χ^2 /NDF: 17868602529.8

yield_bpm0l01WS_rms vs Slug



Right In: 170.133+/-0.033 χ^2/NDF : 2212982.3/27

Left Out: 183.947+/-0.031 χ^2/NDF : 1123194.0/24

Right Out: 164.810+/-0.032 χ^2/NDF : 2623111.6/30

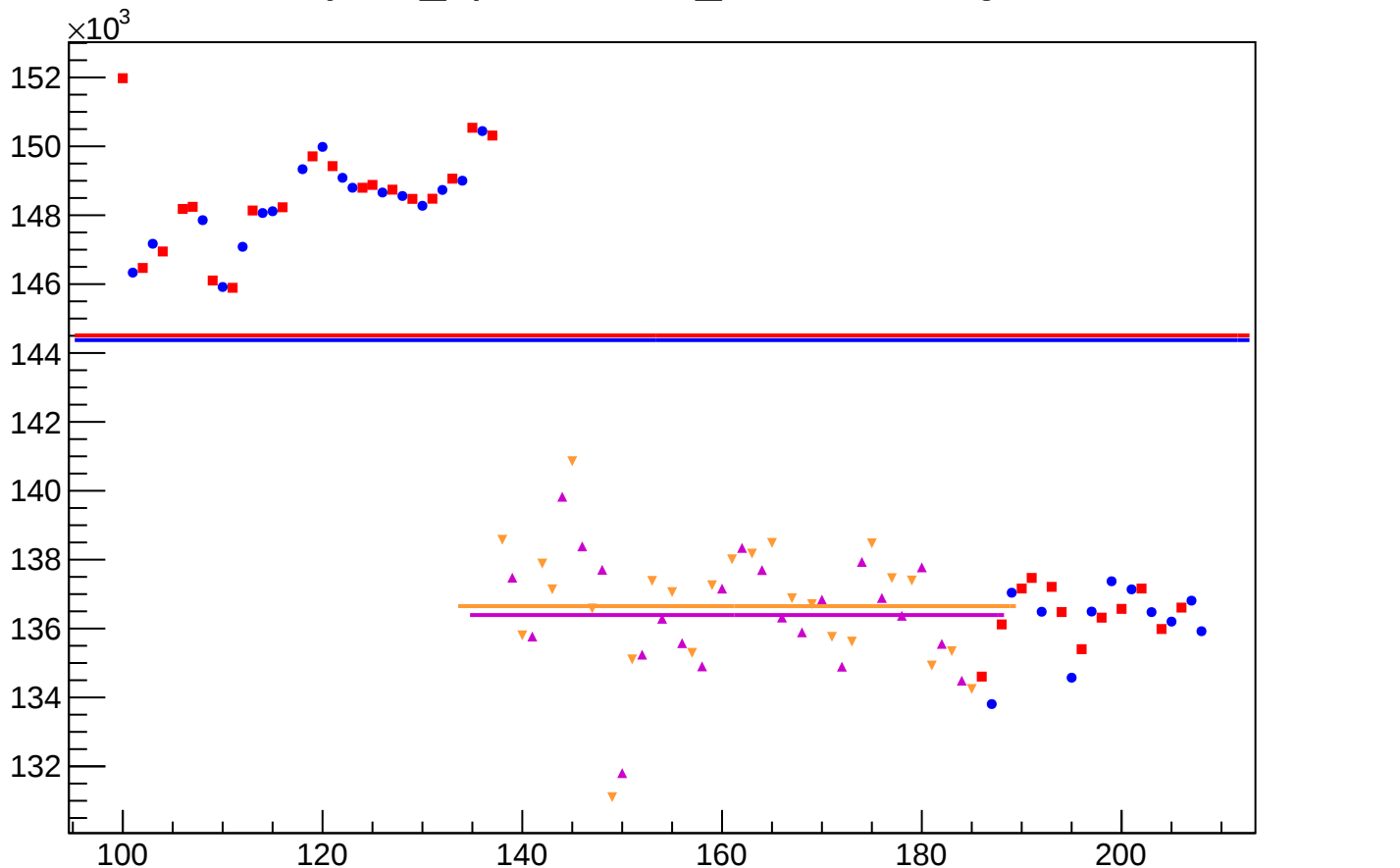
Left In: 181.596+/-0.032 χ^2/NDF : 1103524.3/22

+ sign 177.512+/-0.023 χ^2/NDF : 3427983.2/52

All: 175.345+/-0.016 χ^2/NDF : 7312376.7/100

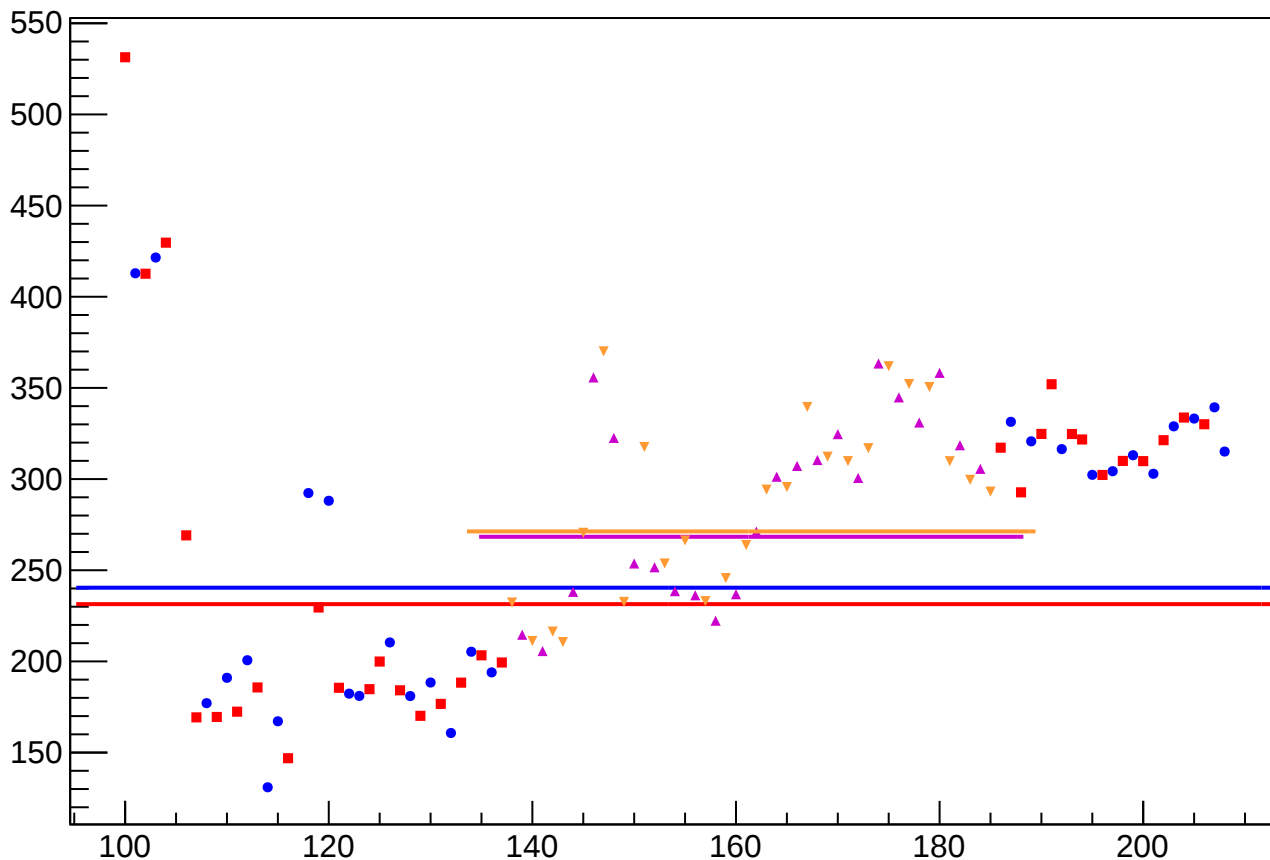
- sign 173.234+/-0.022 χ^2/NDF : 3866466.0/53

yield_bpm0l02WS_mean vs Slug



Right In: 144375.156 $\pm$ 0.067	χ^2 /NDF: 7723916429.5/27	+ sign 140389.031 $\pm$ 0.046	χ^2 /NDF: 15567979738.
Left Out: 136650.935 $\pm$ 0.065	χ^2 /NDF: 930649595.5/24	All: 140510.301 $\pm$ 0.033	χ^2 /NDF: 322484399
Right Out: 144511.060 $\pm$ 0.063	χ^2 /NDF: 8063376501.1/30	- sign 140627.424 $\pm$ 0.046	χ^2 /NDF: 16667046904.2
Left In: 136392.188 $\pm$ 0.066	χ^2 /NDF: 701986841.4/22		

yield_bpm0l02WS_rms vs Slug



Right In: 240.420+/-0.047 χ^2/NDF : 2330444.6/27

Left Out: 271.295+/-0.046 χ^2/NDF :1064485.7/24

Right Out: 231.414+/-0.045 χ^2/NDF : 2548681.8/30

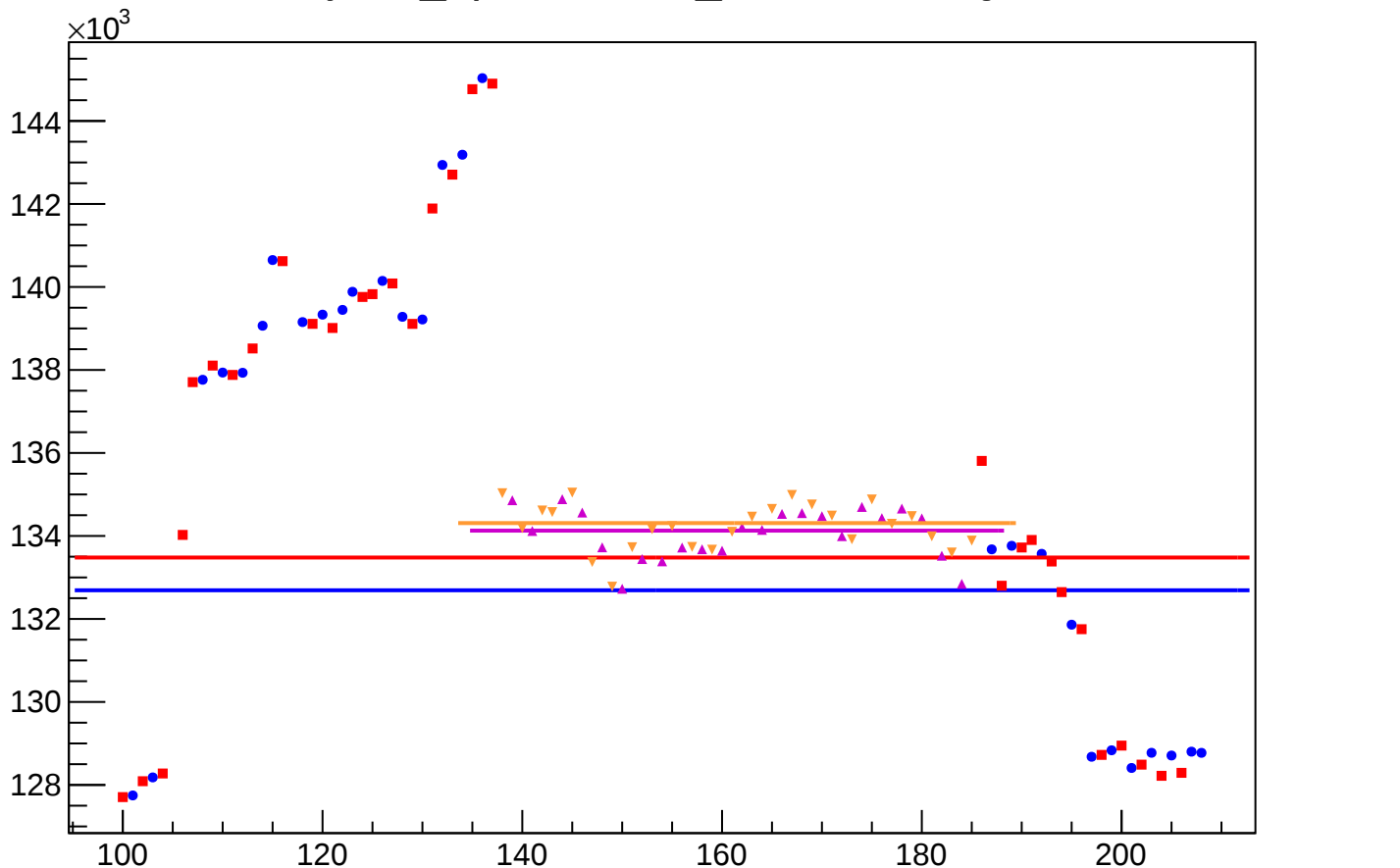
Left In: 268.344+/-0.047 χ^2/NDF :1077364.0/22

+ sign 256.353+/-0.033 χ^2/NDF : 3615852.0/52

All: 252.653+/-0.023 χ^2/NDF : 7593850.6/106

- sign 249.079+/-0.032 χ^2/NDF : 3953020.6/53

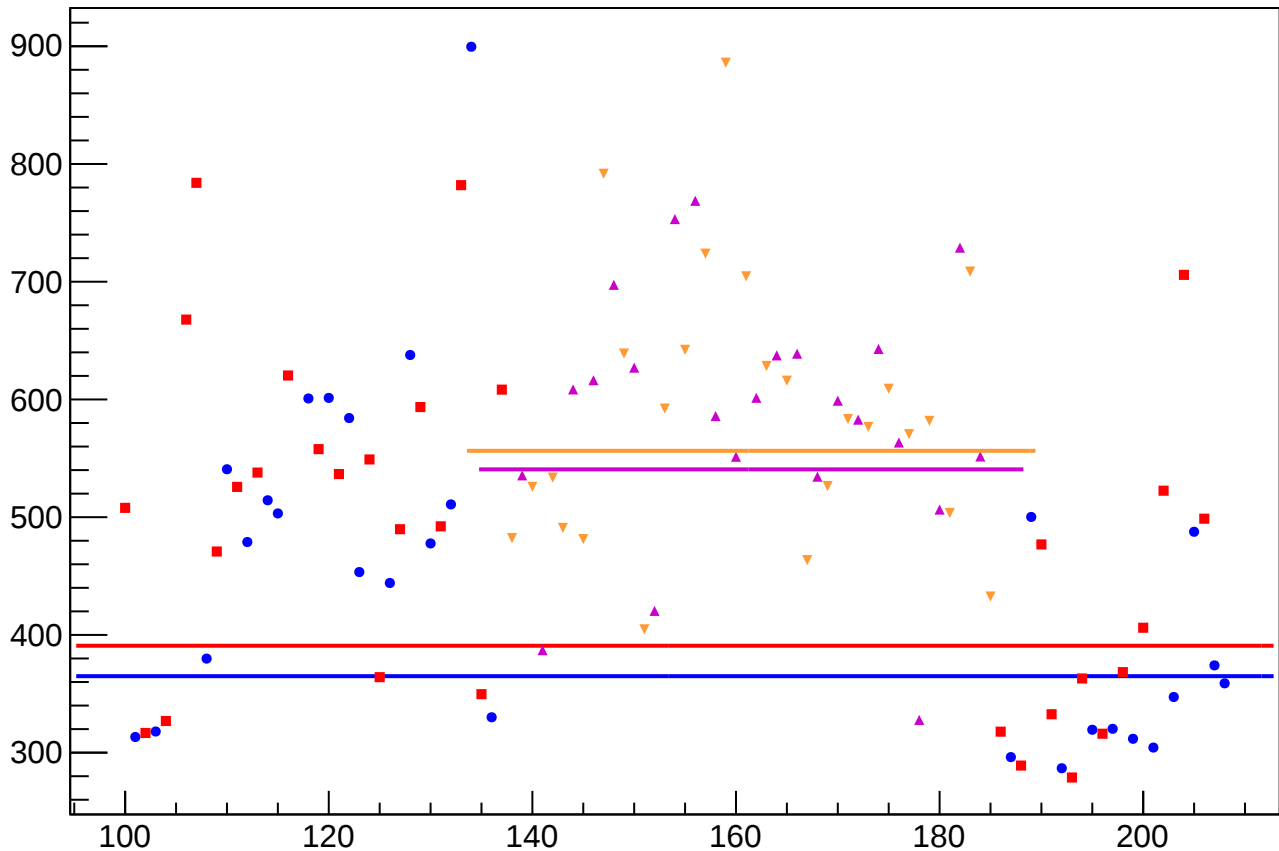
yield_bpm0l03WS_mean vs Slug



Right In: 132690.822 ± 0.109 χ^2/NDF : 2566152579.9/27
 Left Out: 134310.250 ± 0.139 χ^2/NDF : 15518632.9/24
 Right Out: 133479.963 ± 0.116 χ^2/NDF : 1610732647.5/30
 Left In: 134128.172 ± 0.142 χ^2/NDF : 15533736.2/22

+ sign 133307.539 ± 0.086 χ^2/NDF : 2666254653.4
 All: 133512.855 ± 0.062 χ^2/NDF : 431714722
 - sign 133739.856 ± 0.090 χ^2/NDF : 1638751704.5/

yield_bpm0l03WS_rms vs Slug



Right In: 364.964 ± 0.077 χ^2/NDF : 1337809.9/27

Left Out: 556.381 ± 0.098 χ^2/NDF : 1002064.0/24

Right Out: 390.811 ± 0.082 χ^2/NDF : 1898221.0/30

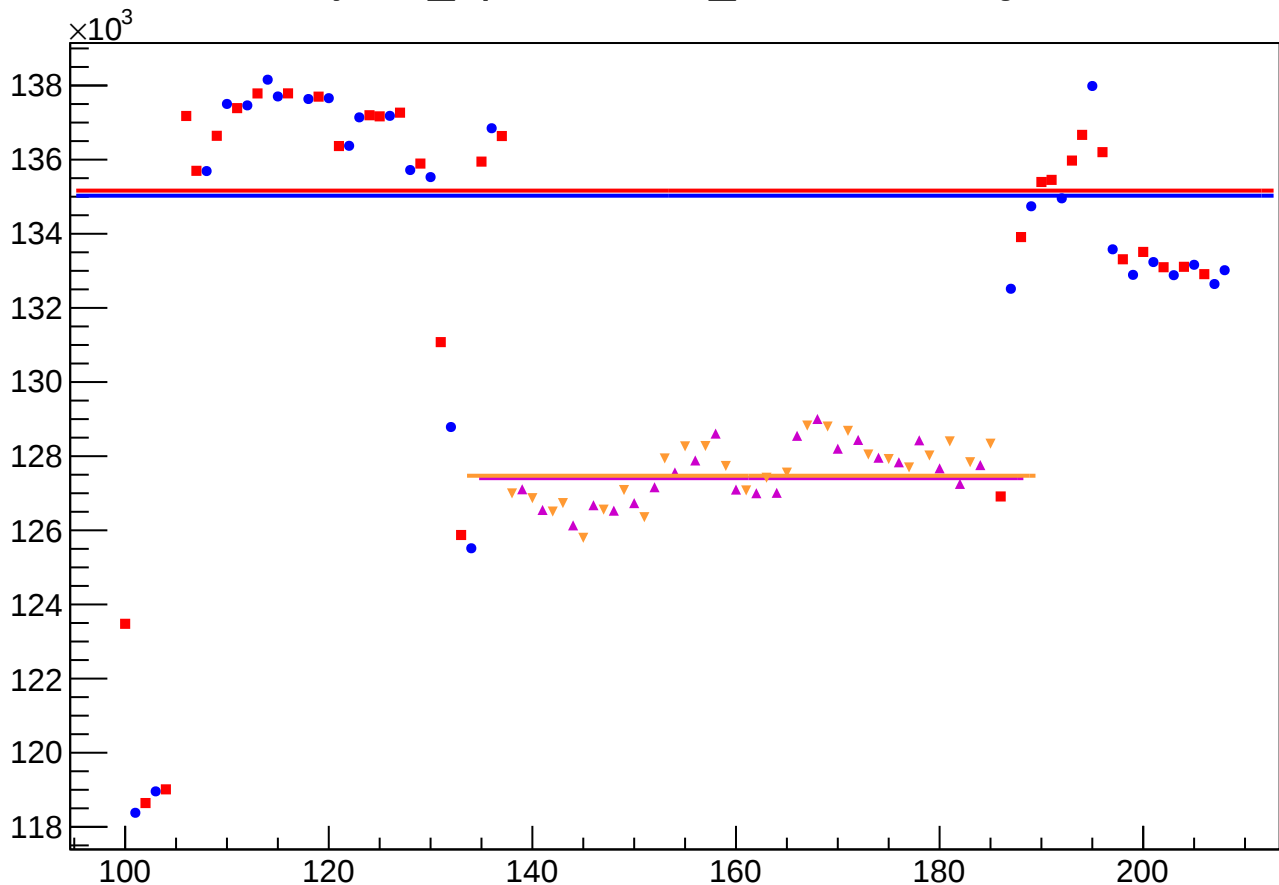
Left In: 540.607 ± 0.100 χ^2/NDF : 1409015.2/22

+ sign 437.860 ± 0.060 χ^2/NDF : 4703369.3/52

All: 444.039 ± 0.044 χ^2/NDF : 9366121.9/106

- sign 450.870 ± 0.064 χ^2/NDF : 4640764.3/53

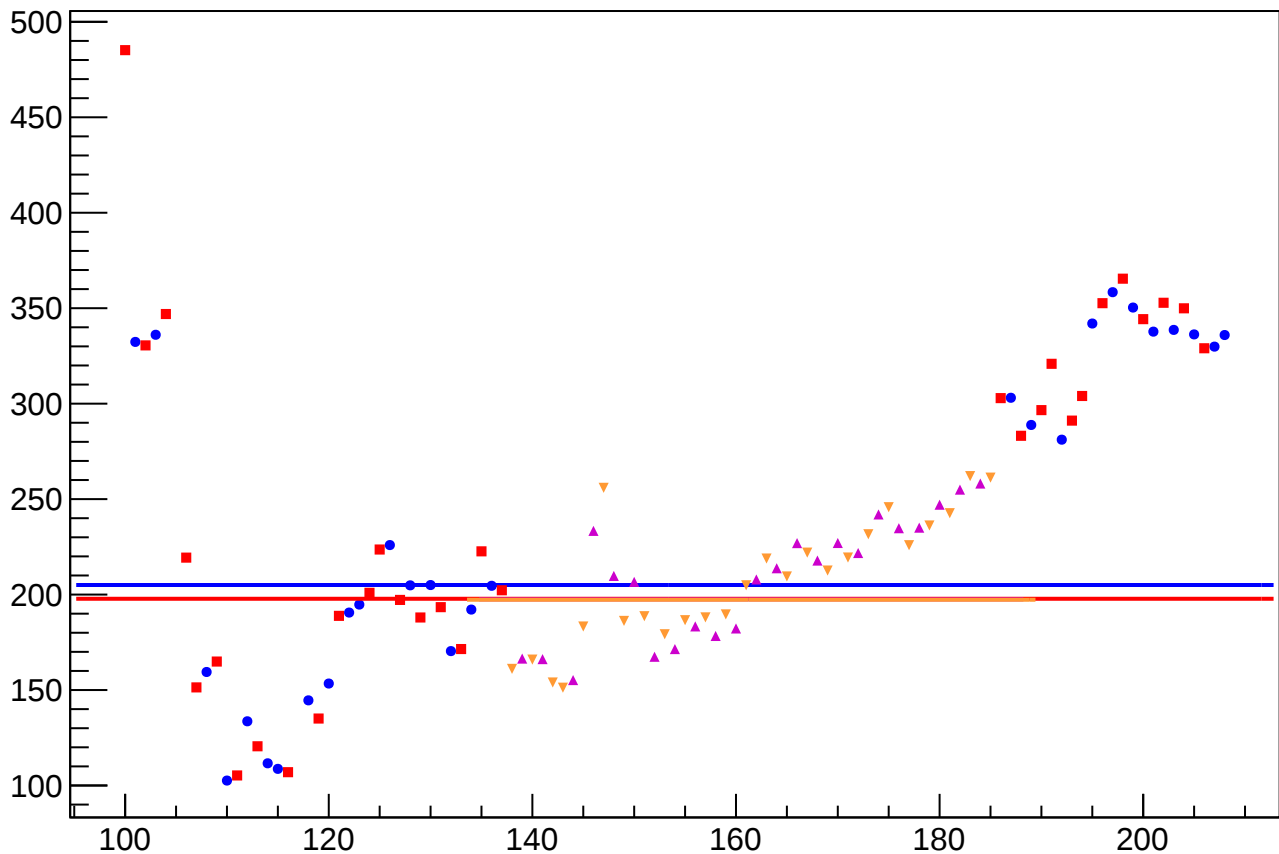
yield_bpm0l04WS_mean vs Slug



Right In: 135027.393 $\pm$ 0.059 χ^2 /NDF: 4864867878.4/27
 Left Out: 127472.525 $\pm$ 0.047 χ^2 /NDF:303609315.6/24
 Right Out: 135164.447 $\pm$ 0.056 χ^2 /NDF: 5213662704.1/30
 Left In: 127406.911 $\pm$ 0.048 χ^2 /NDF:269927988.0/22

+ sign 130386.182 $\pm$ 0.037 χ^2 /NDF: 15194740559.
 All: 130549.458 $\pm$ 0.026 χ^2 /NDF: 316793423
 - sign 130711.975 $\pm$ 0.037 χ^2 /NDF: 16445161987.8

yield_bpm0l04WS_rms vs Slug



Right In: 205.016 $\pm$ 0.042 χ^2 /NDF: 4149456.9/27

Left Out: 197.289 $\pm$ 0.033 χ^2 /NDF: 852024.1/24

Right Out: 197.803 $\pm$ 0.040 χ^2 /NDF: 4553246.1/30

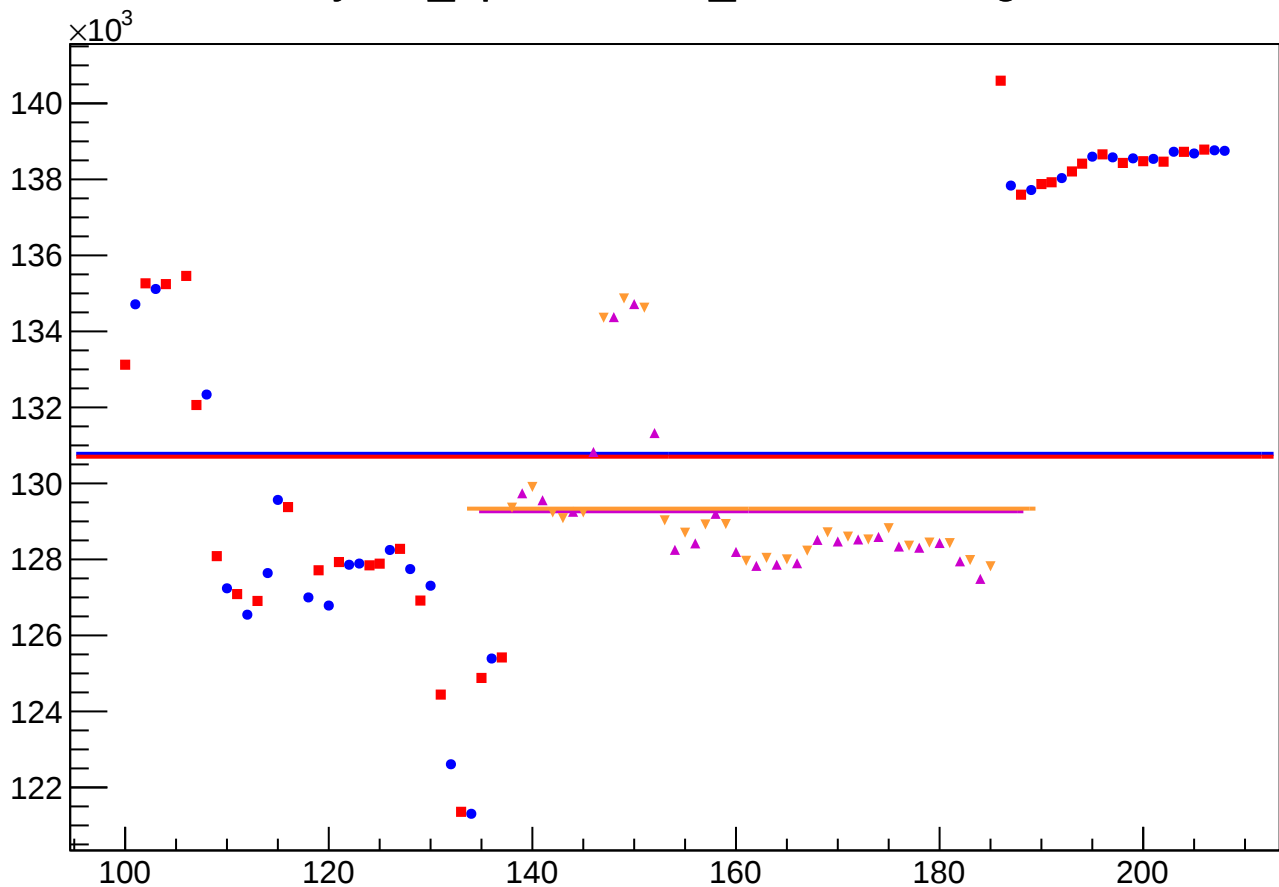
Left In: 197.471 $\pm$ 0.034 χ^2 /NDF: 791577.5/22

+ sign 200.269 $\pm$ 0.026 χ^2 /NDF: 5022455.1/52

All: 198.938 $\pm$ 0.018 χ^2 /NDF: 10372563.5/10

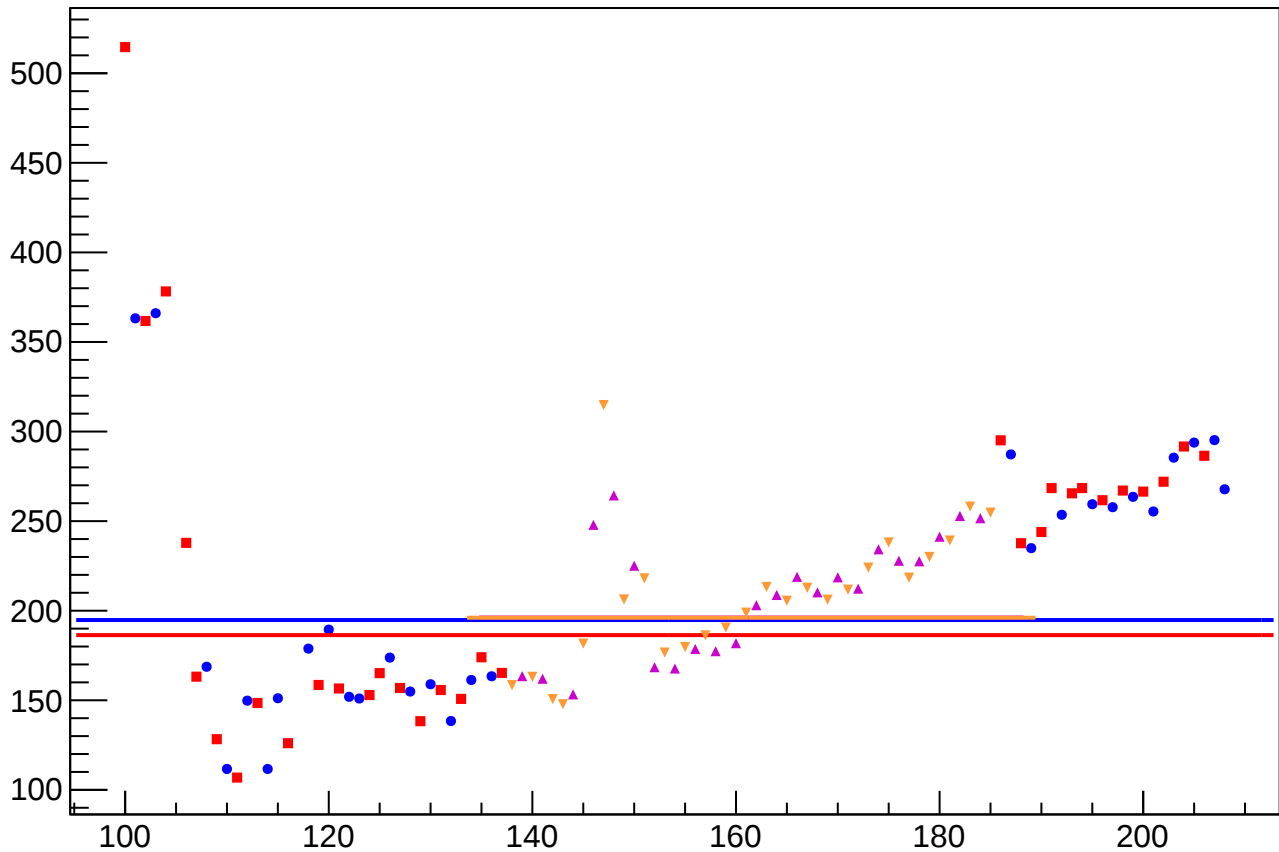
- sign 197.613 $\pm$ 0.026 χ^2 /NDF: 5344863.8/53

yield_bpm0l05WS_mean vs Slug



Right In: 130778.592 $\pm$ 0.055 χ^2 /NDF: 11247641969.6/27
 Left Out: 129335.946 $\pm$ 0.047 χ^2 /NDF: 1450933621.0/24
 Right Out: 130702.829 $\pm$ 0.052 χ^2 /NDF: 11594840383.2/30
 Left In: 129266.909 $\pm$ 0.048 χ^2 /NDF: 1213762773.1/22
 All: 129940.391 $\pm$ 0.025 χ^2 /NDF: 26323909
 + sign 129945.596 $\pm$ 0.036 χ^2 /NDF: 13101388817.
 - sign 129935.273 $\pm$ 0.035 χ^2 /NDF: 13222477678.5

yield_bpm0l05WS_rms vs Slug



Right In: 194.788 ± 0.039 χ^2/NDF : 2644047.3/27

Left Out: 196.077 ± 0.033 χ^2/NDF : 975710.9/24

Right Out: 186.377 ± 0.036 χ^2/NDF : 3184950.9/30

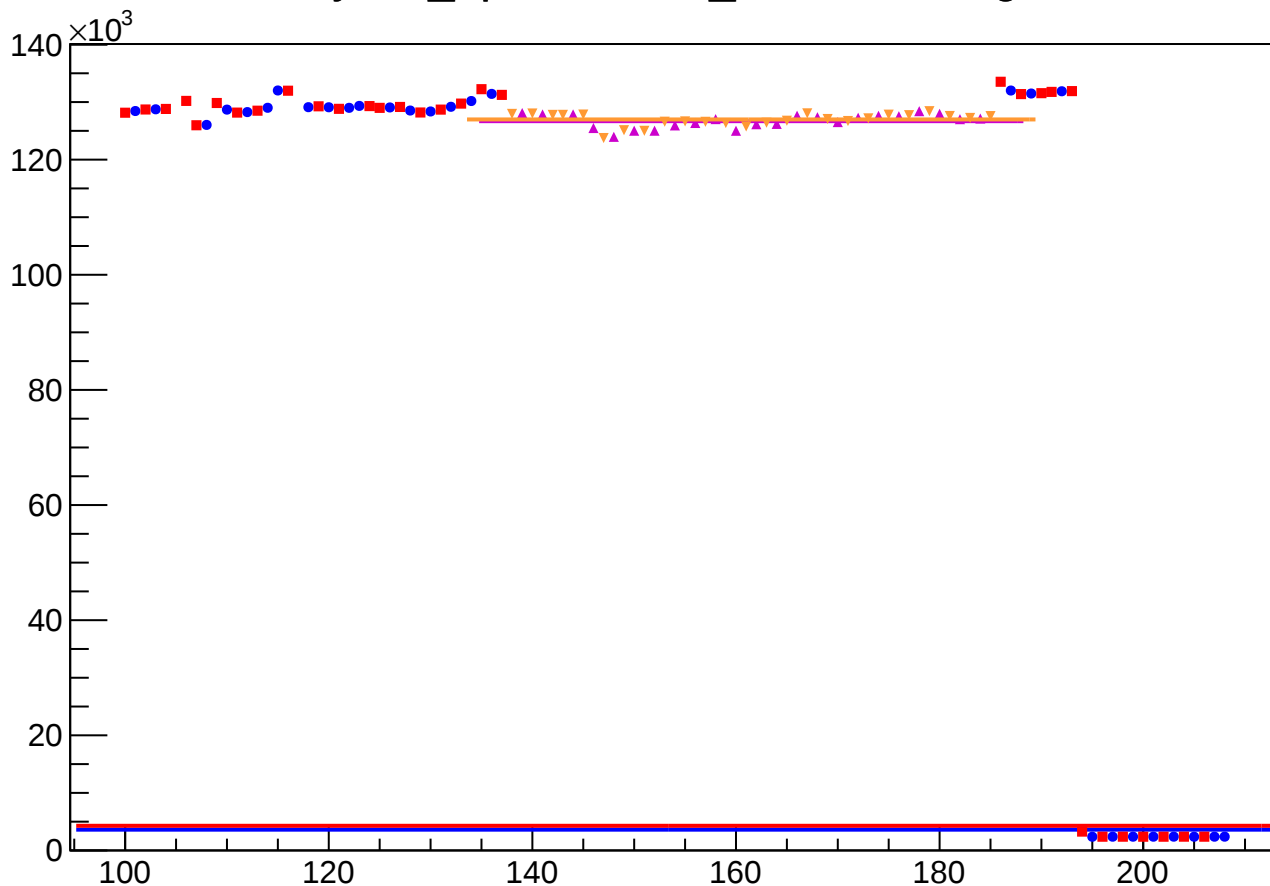
Left In: 196.186 ± 0.034 χ^2/NDF : 898058.0/22

+ sign 195.532 ± 0.025 χ^2/NDF : 3620401.9/52

All: 193.560 ± 0.018 χ^2/NDF : 7754284.2/106

- sign 191.620 ± 0.025 χ^2/NDF : 4121639.1/53

yield_bpm0l06WS_mean vs Slug



Right In: 3612.635 $\pm$ 0.006 χ^2 /NDF: 4884050626210.3/27

Left Out: 126981.724 $\pm$ 0.046 χ^2 /NDF: 530573115.8/24

Right Out: 4284.507 $\pm$ 0.006 χ^2 /NDF: 5798516629418.1/30

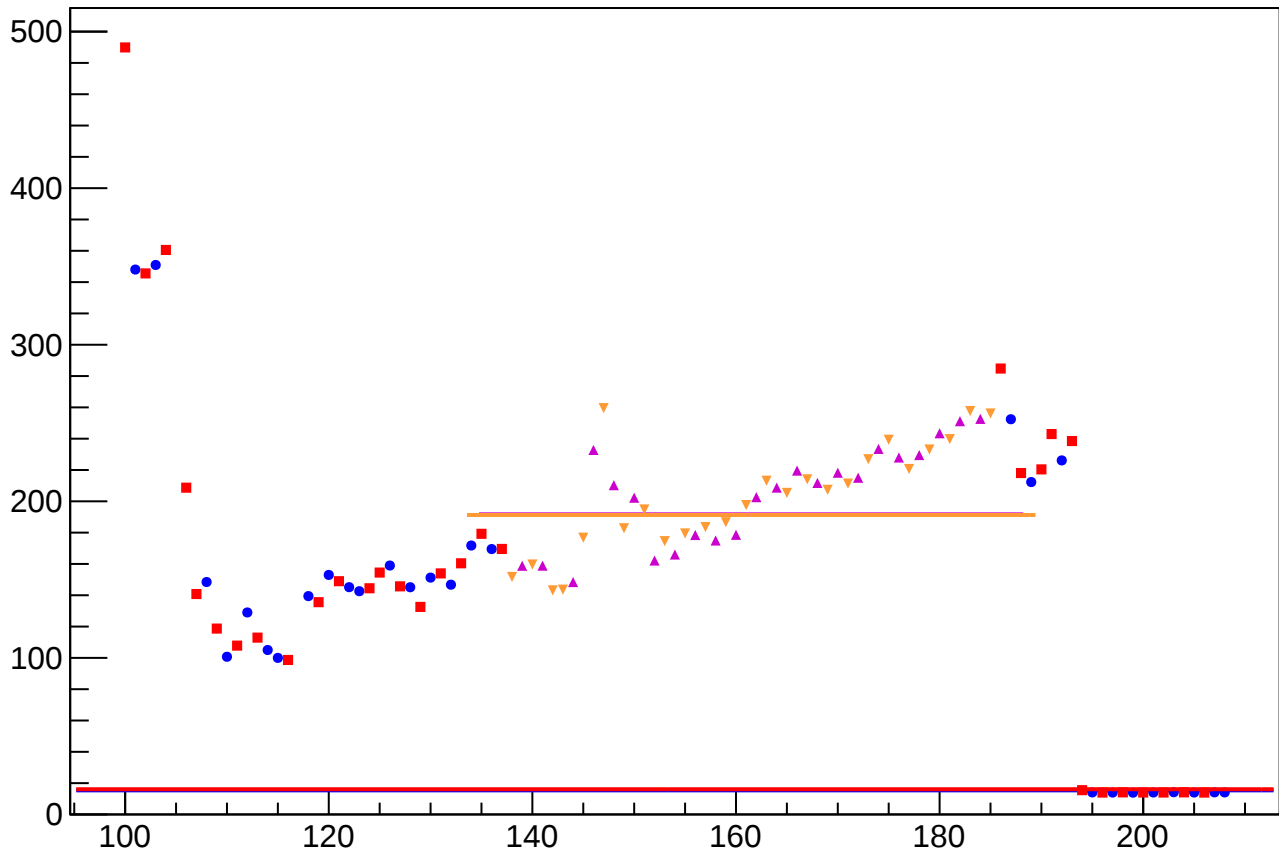
Left In: 126682.659 $\pm$ 0.047 χ^2 /NDF: 660415880.0/22

+ sign 5458.327 $\pm$ 0.006 χ^2 /NDF: 12119135695524

All: 5897.985 $\pm$ 0.004 χ^2 /NDF: 24596259658

- sign 6452.739 $\pm$ 0.006 χ^2 /NDF: 12463022186749

yield_bpm0l06WS_rms vs Slug



Right In: 15.401 $\pm$ 0.004 χ^2 /NDF: 13289508.8/27

Left Out: 191.263 $\pm$ 0.032 χ^2 /NDF: 992566.2/24

Right Out: 16.106 $\pm$ 0.004 χ^2 /NDF: 15546858.4/30

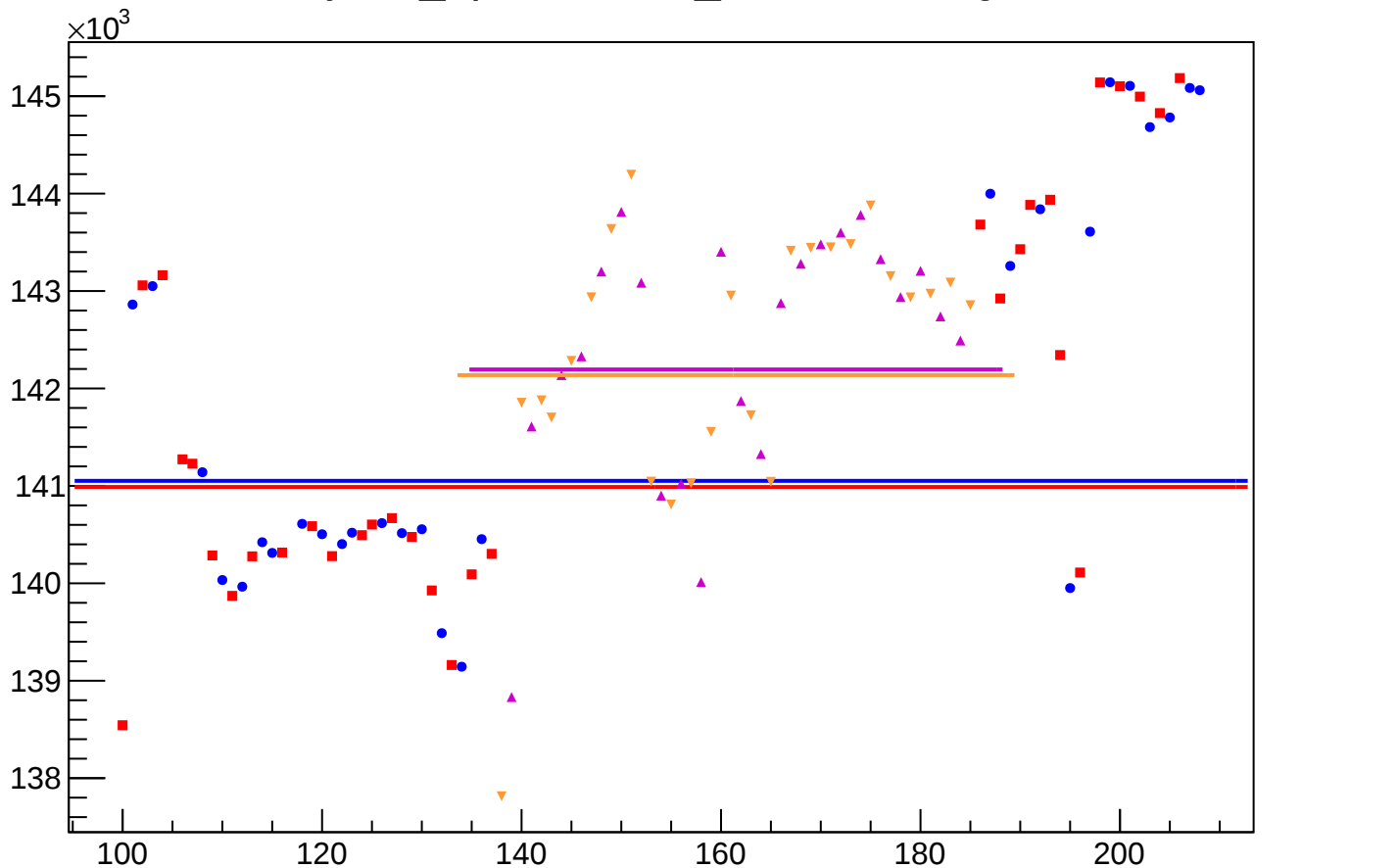
Left In: 191.683 $\pm$ 0.033 χ^2 /NDF: 864384.9/22

+ sign 18.032 $\pm$ 0.004 χ^2 /NDF: 43684007.9/52

All: 18.555 $\pm$ 0.003 χ^2 /NDF: 87559769.8/106

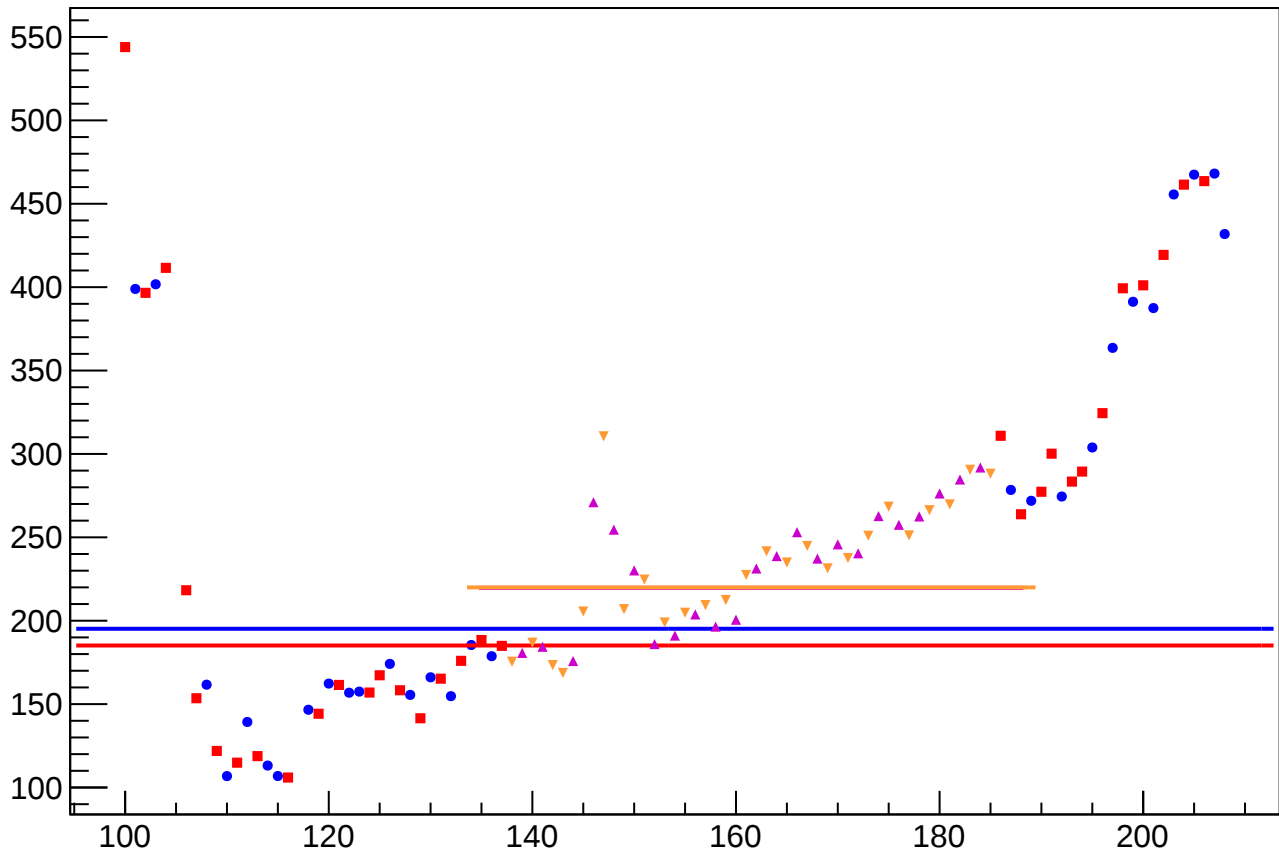
- sign 19.216 $\pm$ 0.004 χ^2 /NDF: 43835734.0/53

yield_bpm0l07WS_mean vs Slug



Right In: 141051.616 $\pm$ 0.058	χ^2/NDF : 769057147.5/27	+ sign 141646.894 $\pm$ 0.039	χ^2/NDF : 1778677548.5
Left Out: 142136.579 $\pm$ 0.052	χ^2/NDF : 815573343.0/24	All: 141616.695 $\pm$ 0.027	χ^2/NDF : 345370922
Right Out: 140988.696 $\pm$ 0.053	χ^2/NDF : 777297496.9/30	- sign 141587.734 $\pm$ 0.038	χ^2/NDF : 1673842382.7/
Left In: 142195.020 $\pm$ 0.054	χ^2/NDF : 644030906.9/22		

yield_bpm0l07WS_rms vs Slug



Right In: 195.171+/-0.041 χ^2/NDF : 5437074.7/27

Left Out: 219.969+/-0.037 χ^2/NDF : 866616.3/24

Right Out: 185.145+/-0.038 χ^2/NDF : 5580733.8/30

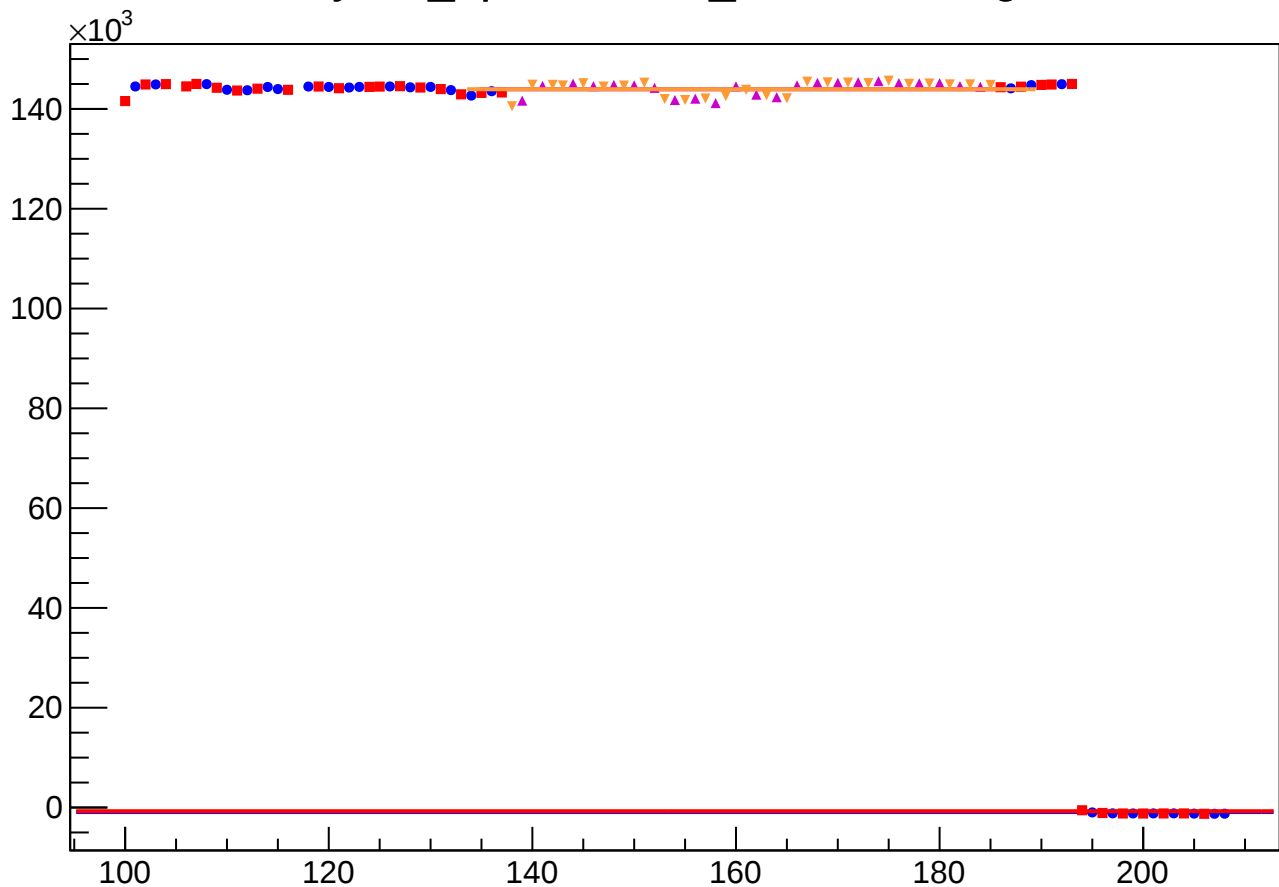
Left In: 219.685+/-0.038 χ^2/NDF : 812745.1/22

+ sign 208.777+/-0.027 χ^2/NDF : 6506437.8/52

All: 205.469+/-0.019 χ^2/NDF : 13342464.7/10

- sign 202.297+/-0.027 χ^2/NDF : 6807491.3/53

yield_bpm0l08WS_mean vs Slug



Right In: -903.231 $\pm$ 0.003 χ^2 /NDF: 5297596909411.1/27

Left Out: 143951.284 $\pm$ 0.052 χ^2 /NDF: 864679545.2/24

Right Out: -741.038 $\pm$ 0.003 χ^2 /NDF: 6398223513039.0/30

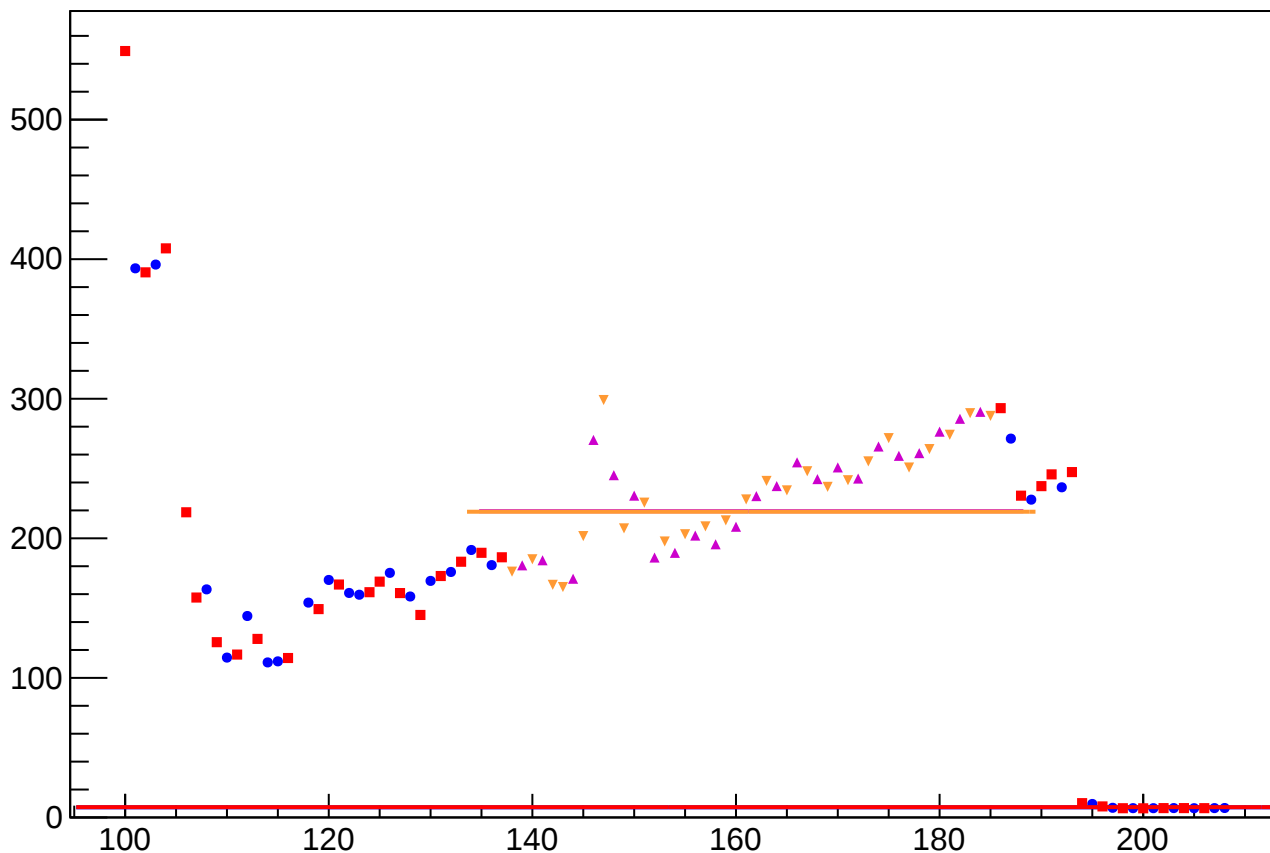
Left In: 143938.288 $\pm$ 0.054 χ^2 /NDF: 719814685.6/22

+ sign -488.261 $\pm$ 0.003 χ^2 /NDF: 12995933551398

All: -383.518 $\pm$ 0.002 χ^2 /NDF: 26594403663

- sign -251.605 $\pm$ 0.003 χ^2 /NDF: 13595286732287

yield_bpm0l08WS_rms vs Slug



Right In: 7.244 ± 0.002 χ^2/NDF : 14922108.5/27

Left Out: 219.050 ± 0.037 χ^2/NDF : 934417.6/24

Right Out: 7.382 ± 0.002 χ^2/NDF : 17448110.6/30

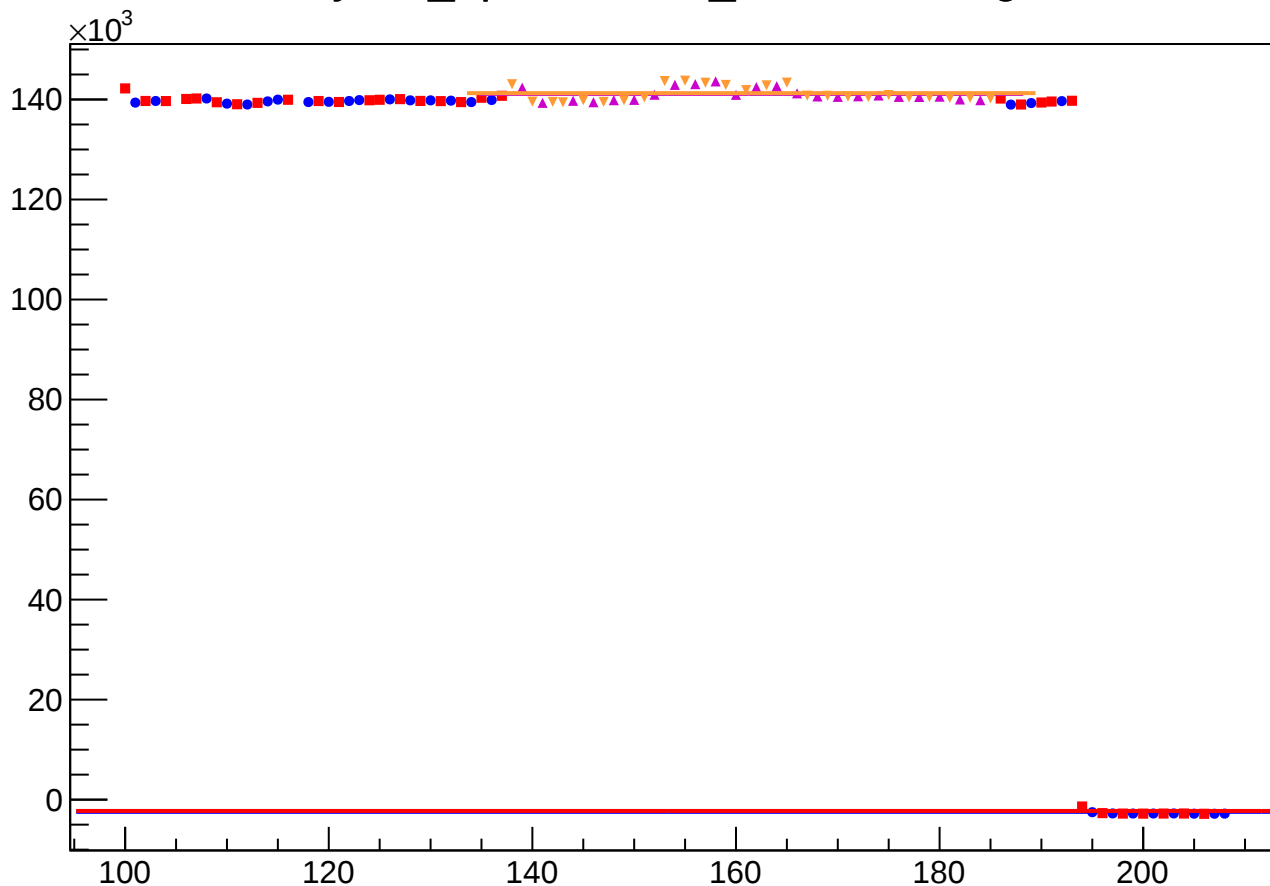
Left In: 219.426 ± 0.038 χ^2/NDF : 850089.5/22

+ sign 7.851 ± 0.002 χ^2/NDF : 48771118.7/52

All: 7.961 ± 0.001 χ^2/NDF : 97992091.5/106

- sign 8.099 ± 0.002 χ^2/NDF : 49213961.7/53

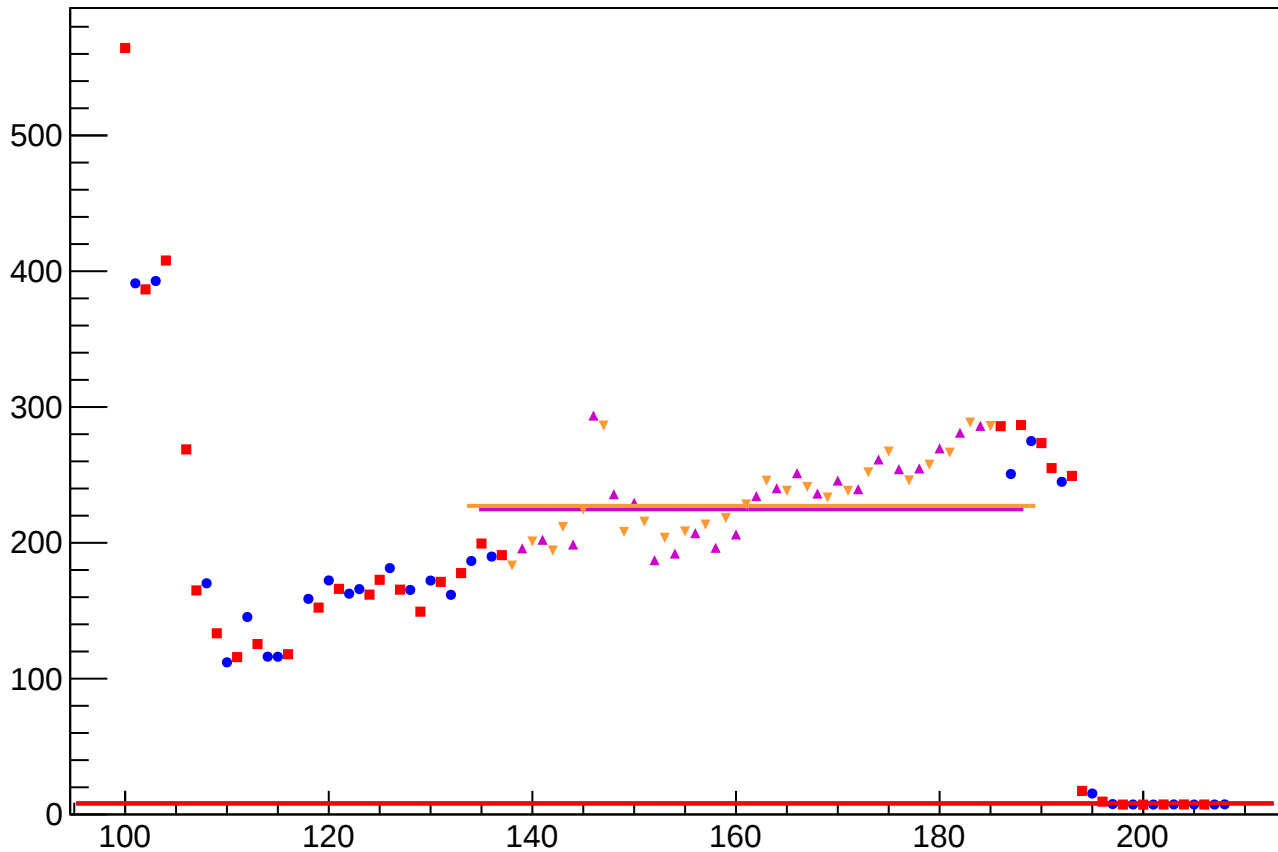
yield_bpm0l09WS_mean vs Slug



Right In: -2439.074 ± 0.003 $\chi^2/\text{NDF}: 4865909847419.4/27$
 Left Out: 141268.791 ± 0.054 $\chi^2/\text{NDF}: 795989244.2/24$
 Right Out: -2259.952 ± 0.004 $\chi^2/\text{NDF}: 5786927842728.5/30$
 Left In: 141119.484 ± 0.055 $\chi^2/\text{NDF}: 565312728.1/22$

+ sign -1950.800 ± 0.003 $\chi^2/\text{NDF}: 1200428473207$
 All: -1827.587 ± 0.002 $\chi^2/\text{NDF}: 2458431452$
 - sign -1672.094 ± 0.004 $\chi^2/\text{NDF}: 12576524778465$

yield_bpm0l09WS_rms vs Slug



Right In: 8.054 ± 0.002 χ^2/NDF : 15079846.2/27

Left Out: 227.224 ± 0.038 χ^2/NDF : 484955.3/24

Right Out: 8.232 ± 0.002 χ^2/NDF : 17484738.7/30

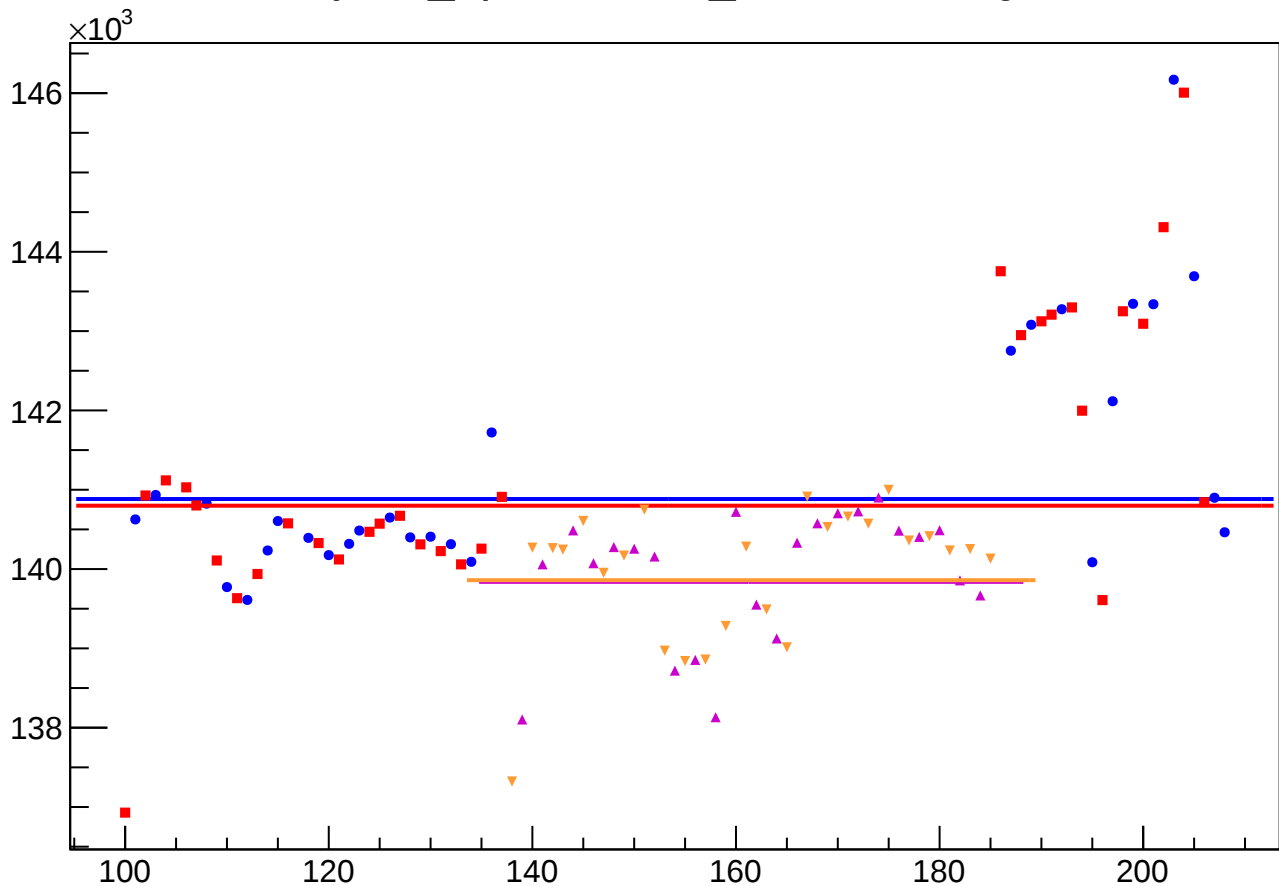
Left In: 224.686 ± 0.039 χ^2/NDF : 578366.0/22

+ sign 8.799 ± 0.002 χ^2/NDF : 48768147.7/52

All: 8.941 ± 0.002 χ^2/NDF : 97785880.1/106

- sign 9.120 ± 0.002 χ^2/NDF : 49008423.0/53

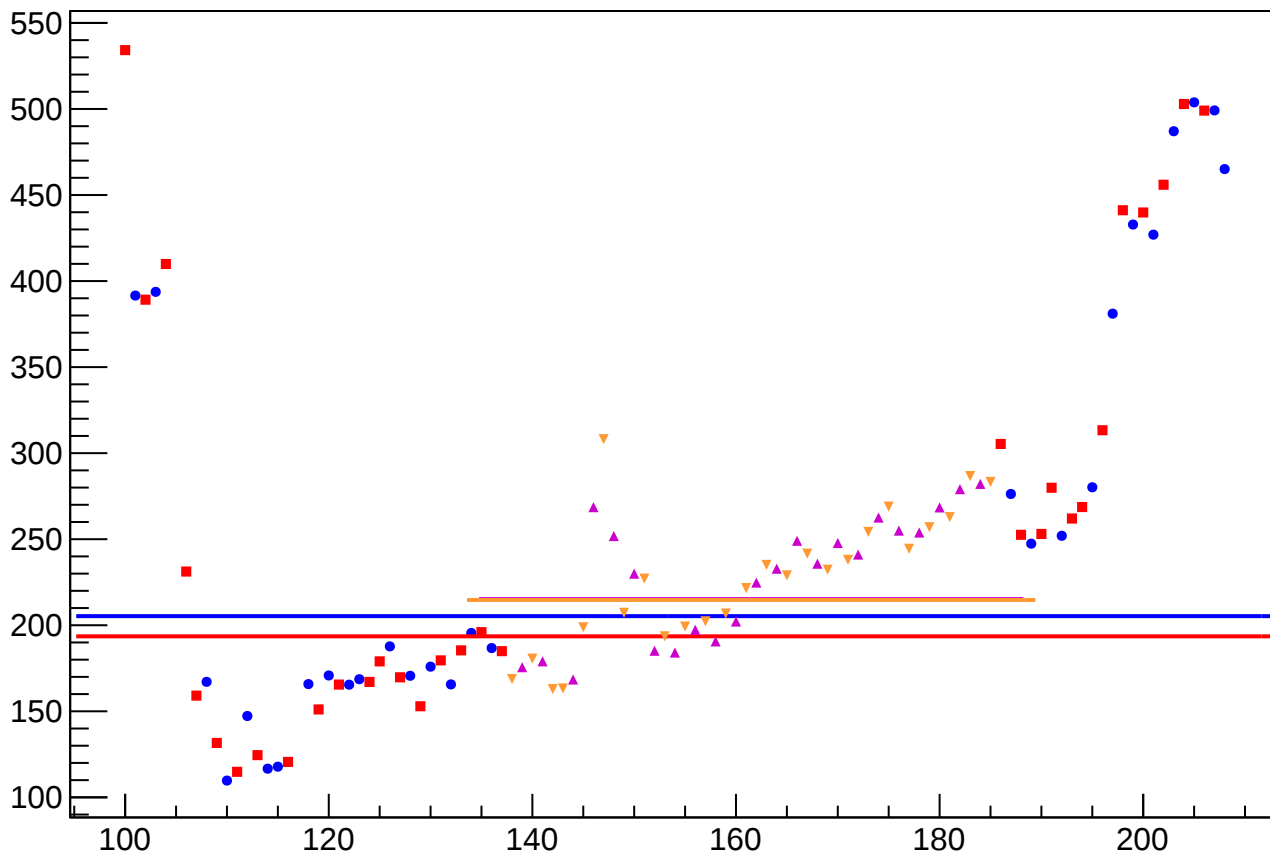
yield_bpm0l10WS_mean vs Slug



Right In: 140883.116 $\pm$ 0.060 χ^2/NDF : 428740724.3/27
 Left Out: 139859.696 $\pm$ 0.051 χ^2/NDF : 330118281.5/24
 Right Out: 140798.926 $\pm$ 0.056 χ^2/NDF : 504381324.3/30
 Left In: 139838.724 $\pm$ 0.053 χ^2/NDF : 279573689.3/22

+ sign 140286.209 $\pm$ 0.039 χ^2/NDF : 926043387.0/5
 All: 140290.354 $\pm$ 0.027 χ^2/NDF : 186695465
 - sign 140294.341 $\pm$ 0.038 χ^2/NDF : 940889136.0/5

yield_bpm0l10WS_rms vs Slug



Right In: 205.295+/-0.043 χ^2/NDF : 5175910.2/27

Left Out: 214.693+/-0.036 χ^2/NDF : 981105.5/24

Right Out: 193.555+/-0.039 χ^2/NDF : 5211992.3/30

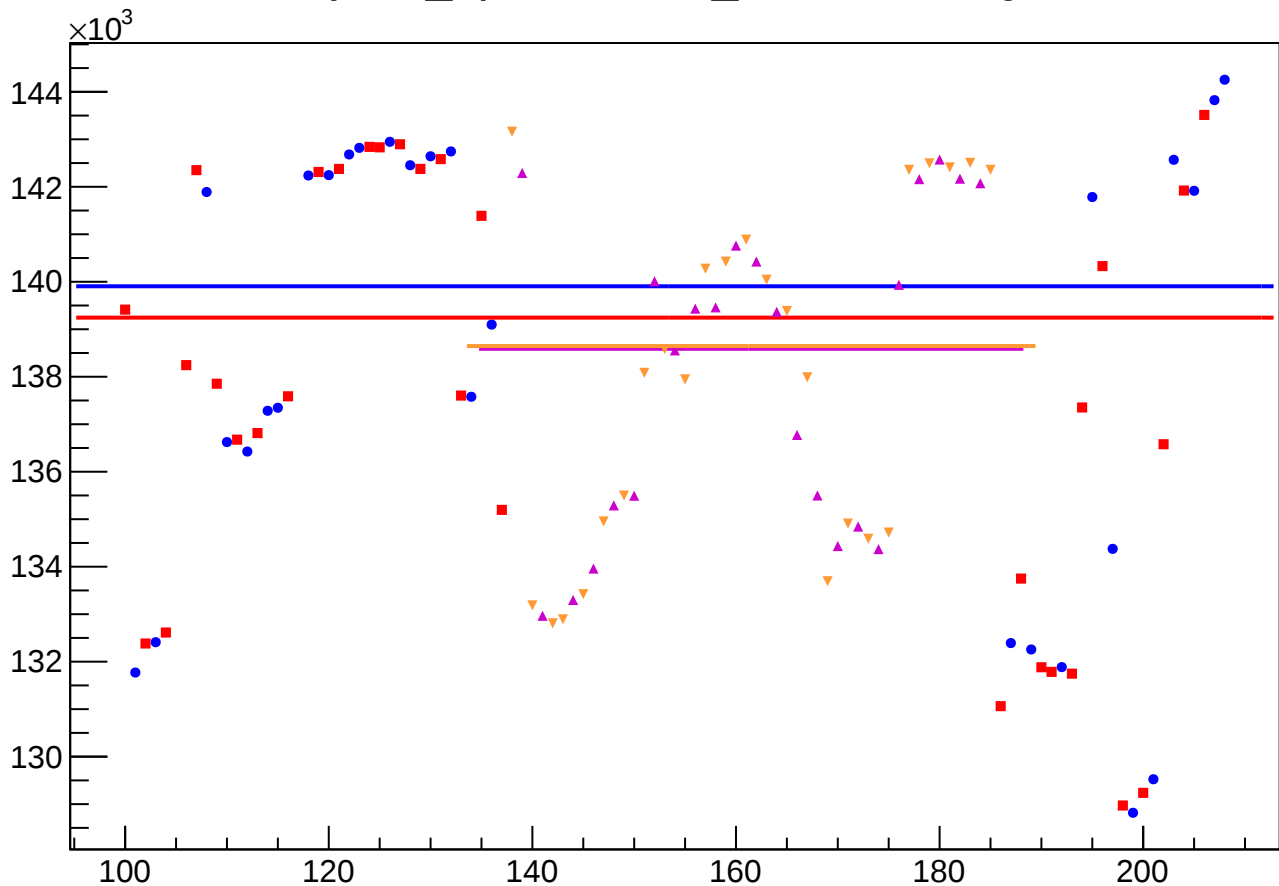
Left In: 215.222+/-0.037 χ^2/NDF : 881945.0/22

+ sign 210.776+/-0.028 χ^2/NDF : 6185209.6/52

All: 207.802+/-0.019 χ^2/NDF : 12461750.7/10

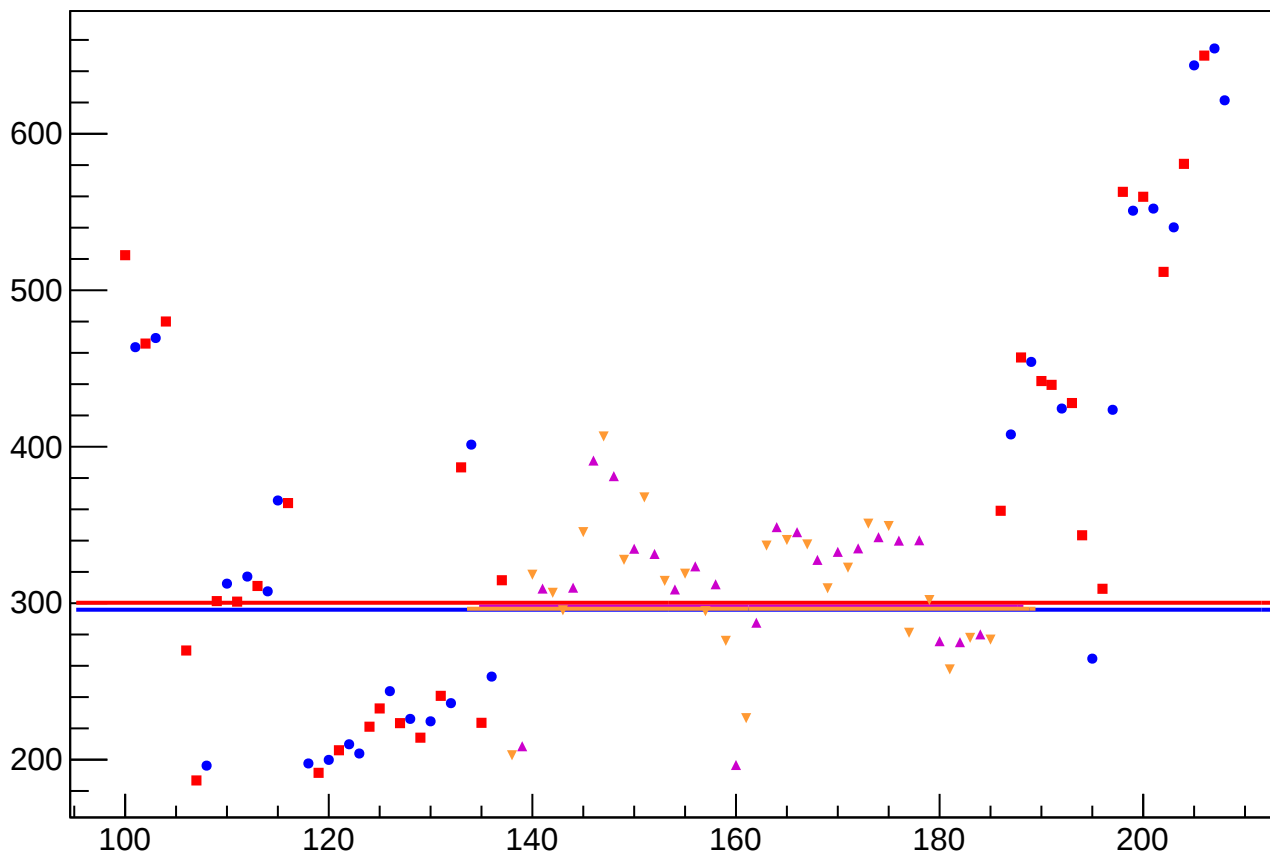
- sign 204.941+/-0.027 χ^2/NDF : 6253747.5/53

yield_bpm0r03WS_mean vs Slug



Right In: 139905.186 $\pm$ 0.086	χ^2 /NDF: 2257007313.8/27	+ sign 139157.940 $\pm$ 0.055	χ^2 /NDF: 4933933641.2
Left Out: 138646.366 $\pm$ 0.071	χ^2 /NDF: 2548637600.4/24	All: 139017.865 $\pm$ 0.039	χ^2 /NDF: 931822548
Right Out: 139244.852 $\pm$ 0.084	χ^2 /NDF: 2388418147.3/30	- sign 138873.503 $\pm$ 0.055	χ^2 /NDF: 4370920922.5/22
Left In: 138588.711 $\pm$ 0.074	χ^2 /NDF: 1948065195.1/22		

yield_bpm0r03WS_rms vs Slug



Right In: 295.833 $\pm$ 0.061 χ^2 /NDF: 4120698.5/27

Left Out: 296.464 $\pm$ 0.050 χ^2 /NDF: 893579.7/24

Right Out: 300.288 $\pm$ 0.059 χ^2 /NDF: 3789937.0/30

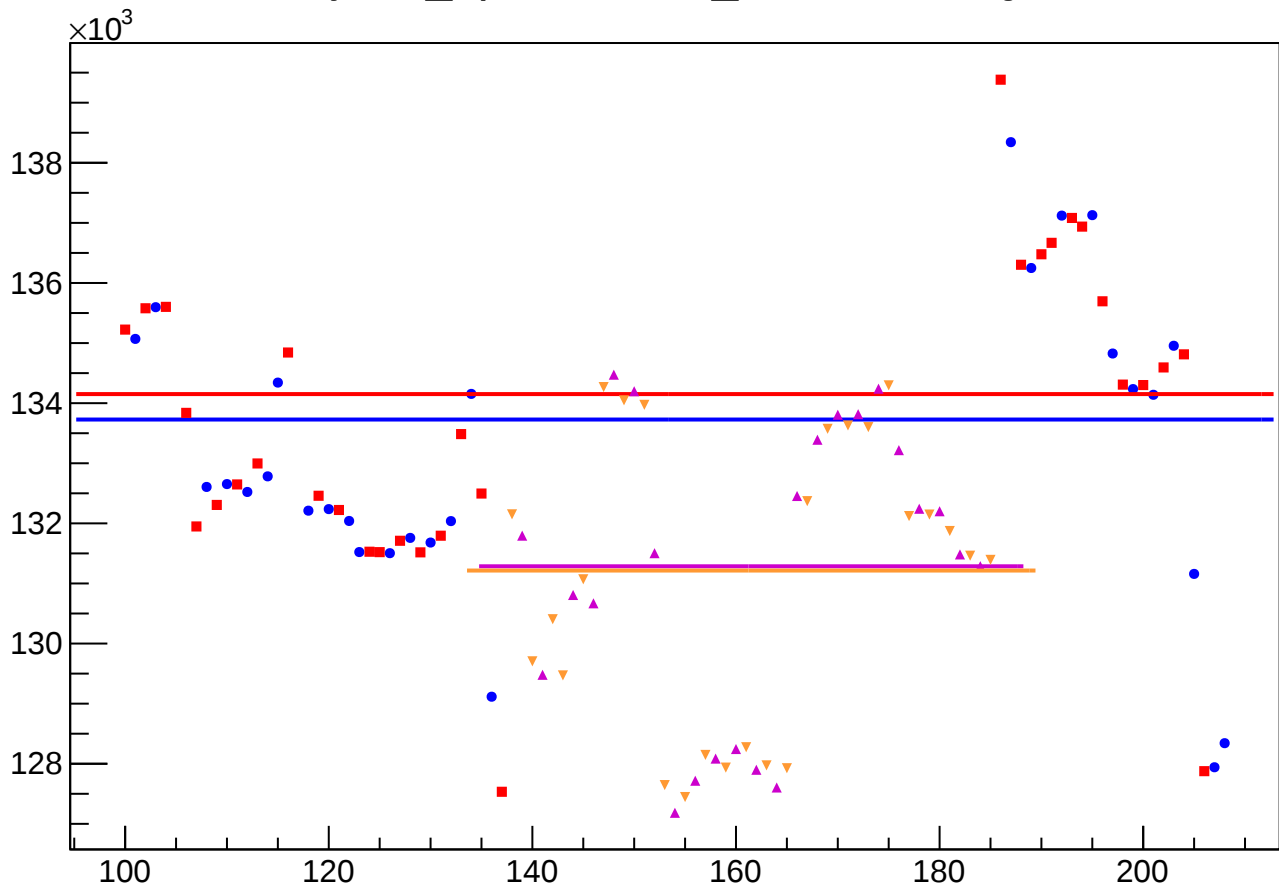
Left In: 297.774 $\pm$ 0.052 χ^2 /NDF: 1061489.5/22

+ sign 296.208 $\pm$ 0.039 χ^2 /NDF: 5014342.7/52

All: 297.517 $\pm$ 0.027 χ^2 /NDF: 9869114.0/106

- sign 298.865 $\pm$ 0.039 χ^2 /NDF: 4852437.3/53

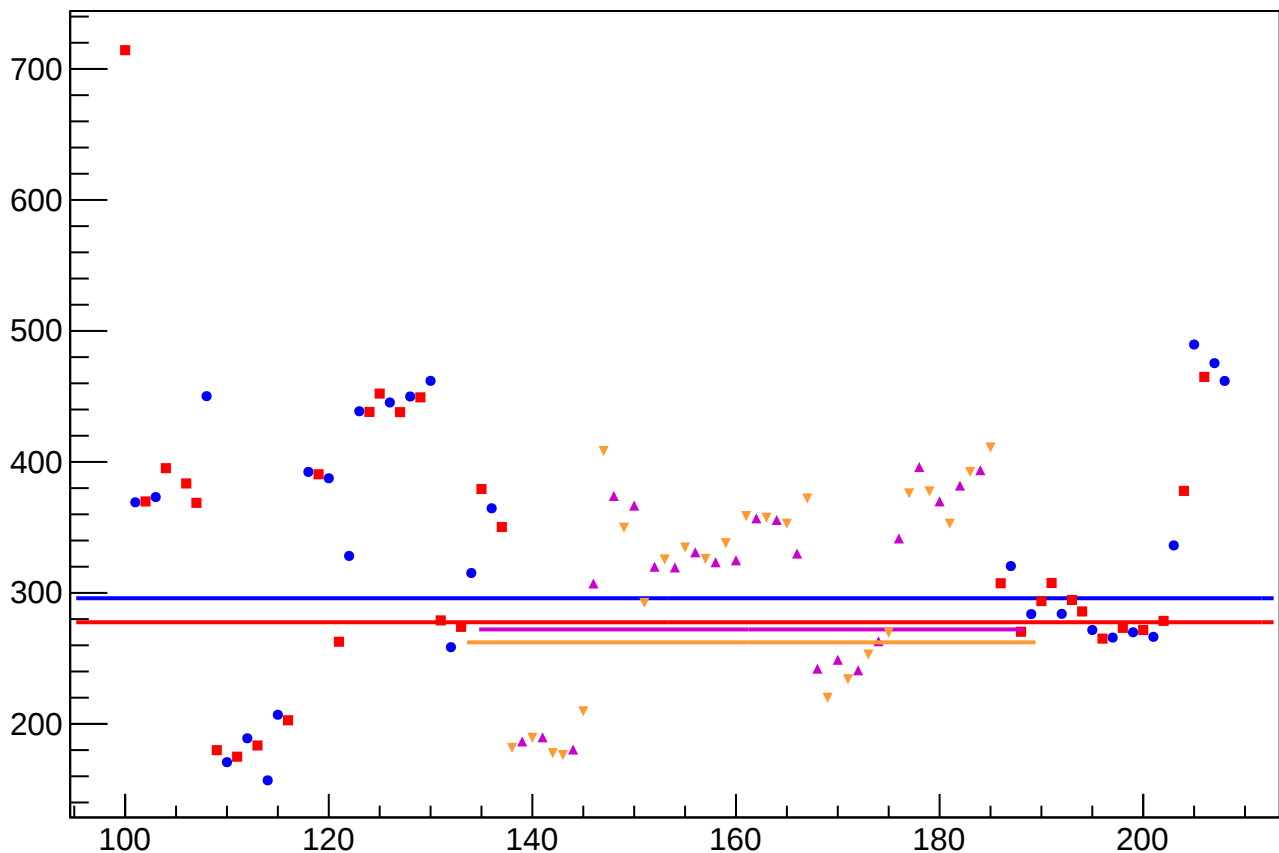
yield_bpm0r05WS_mean vs Slug



Right In: 133727.847 ± 0.082 $\chi^2/\text{NDF}: 837599697.4/27$
 Left Out: 131214.985 ± 0.064 $\chi^2/\text{NDF}: 1173424494.6/24$
 Right Out: 134151.254 ± 0.075 $\chi^2/\text{NDF}: 850136732.5/30$
 Left In: 131285.623 ± 0.068 $\chi^2/\text{NDF}: 1056232192.1/22$

+ sign 132172.309 ± 0.051 $\chi^2/\text{NDF}: 2592578708.0/24$
 All: 132377.041 ± 0.036 $\chi^2/\text{NDF}: 532693620.0/24$
 - sign 132581.555 ± 0.051 $\chi^2/\text{NDF}: 2701636906.9/24$

yield_bpm0r05WS_rms vs Slug



Right In: 295.922+/-0.058 χ^2/NDF : 2261752.6/27

Left Out: 262.260+/-0.045 χ^2/NDF : 2818169.1/24

Right Out: 277.602+/-0.053 χ^2/NDF : 2082464.5/30

Left In: 272.115+/-0.048 χ^2/NDF : 2221925.0/22

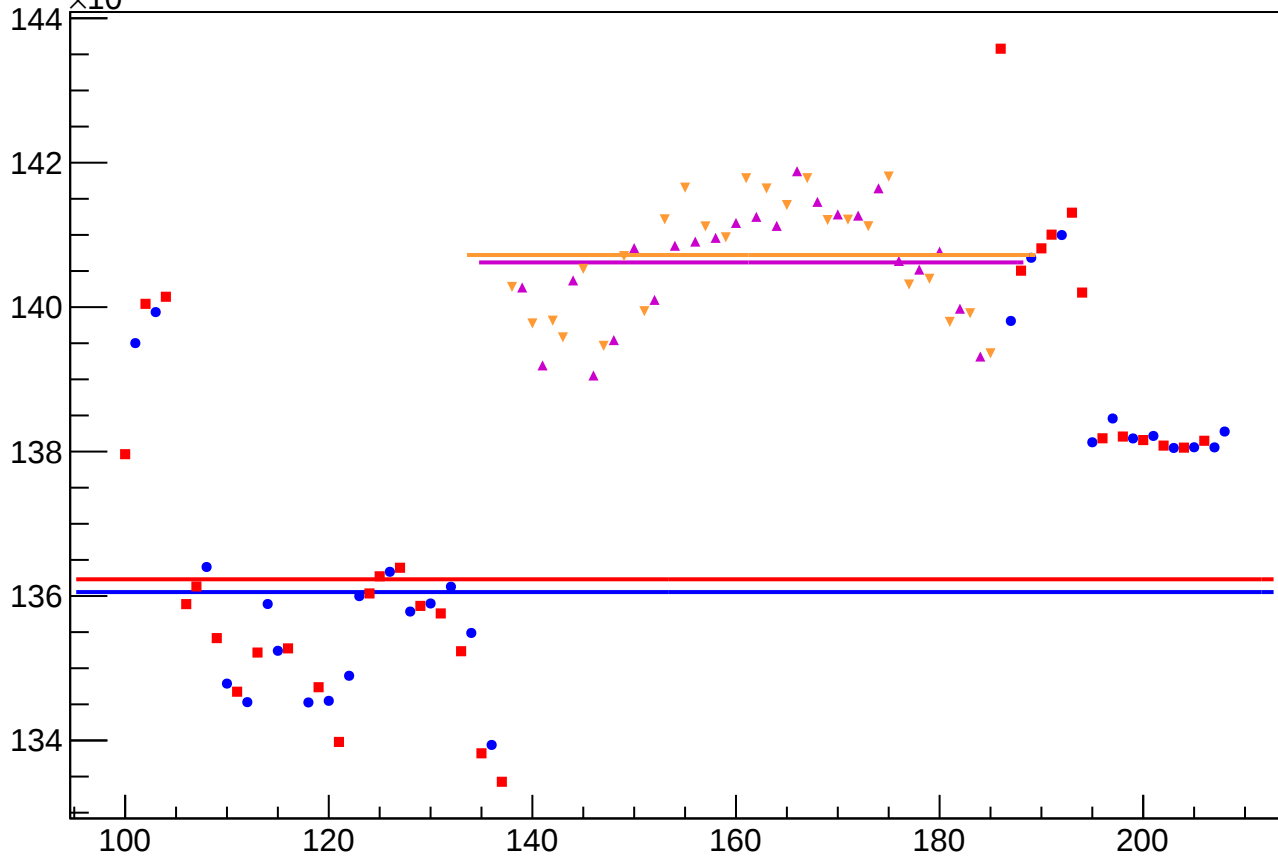
+ sign 275.084+/-0.036 χ^2/NDF : 5288651.4/52

All: 274.840+/-0.025 χ^2/NDF : 9598965.1/106

- sign 274.596+/-0.036 χ^2/NDF : 4310220.6/53

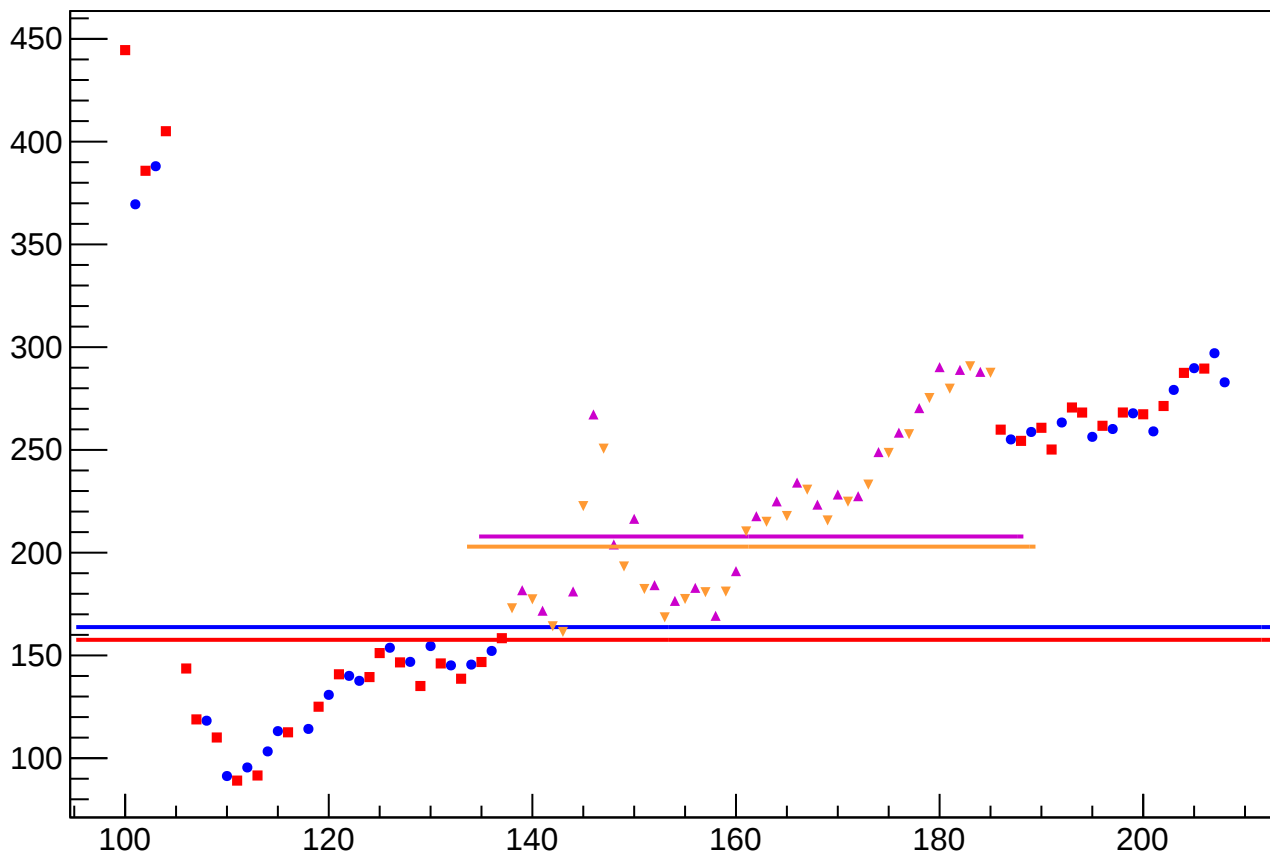
yield_bpm0i02WS_mean vs Slug

$\times 10^3$



Right In: 136054.553 $\pm$ 0.047 χ^2 /NDF: 1489693557.7/27
 Left Out: 140721.823 $\pm$ 0.048 χ^2 /NDF: 247257762.8/24
 Right Out: 136231.580 $\pm$ 0.045 χ^2 /NDF: 2095561785.8/30
 Left In: 140619.038 $\pm$ 0.051 χ^2 /NDF: 200370178.0/22
 + sign 138343.852 $\pm$ 0.034 χ^2 /NDF: 6473490824.0
 All: 138247.334 $\pm$ 0.024 χ^2 /NDF: 129341060
 - sign 138151.435 $\pm$ 0.034 χ^2 /NDF: 6444456467.5/

yield_bpm0i02WS_rms vs Slug



Right In: 163.785 $\pm$ 0.034 χ^2 /NDF: 4550430.4/27

Left Out: 202.934 $\pm$ 0.034 χ^2 /NDF:1052283.6/24

Right Out: 157.593 $\pm$ 0.032 χ^2 /NDF: 4953100.1/30

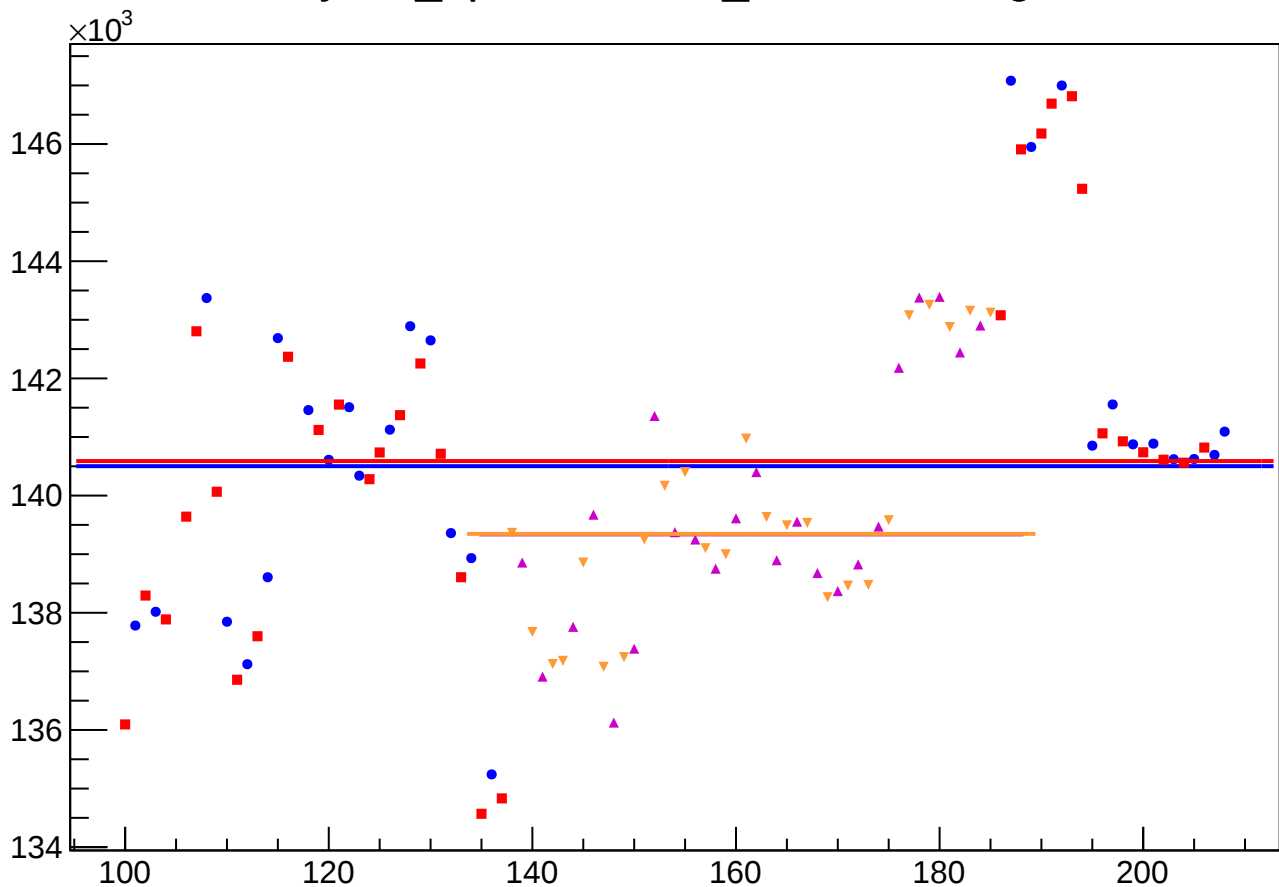
Left In: 207.872 $\pm$ 0.036 χ^2 /NDF:949200.3/22

+ sign 182.987 $\pm$ 0.024 χ^2 /NDF: 6269240.8/52

All: 181.285 $\pm$ 0.017 χ^2 /NDF: 13271193.5/10

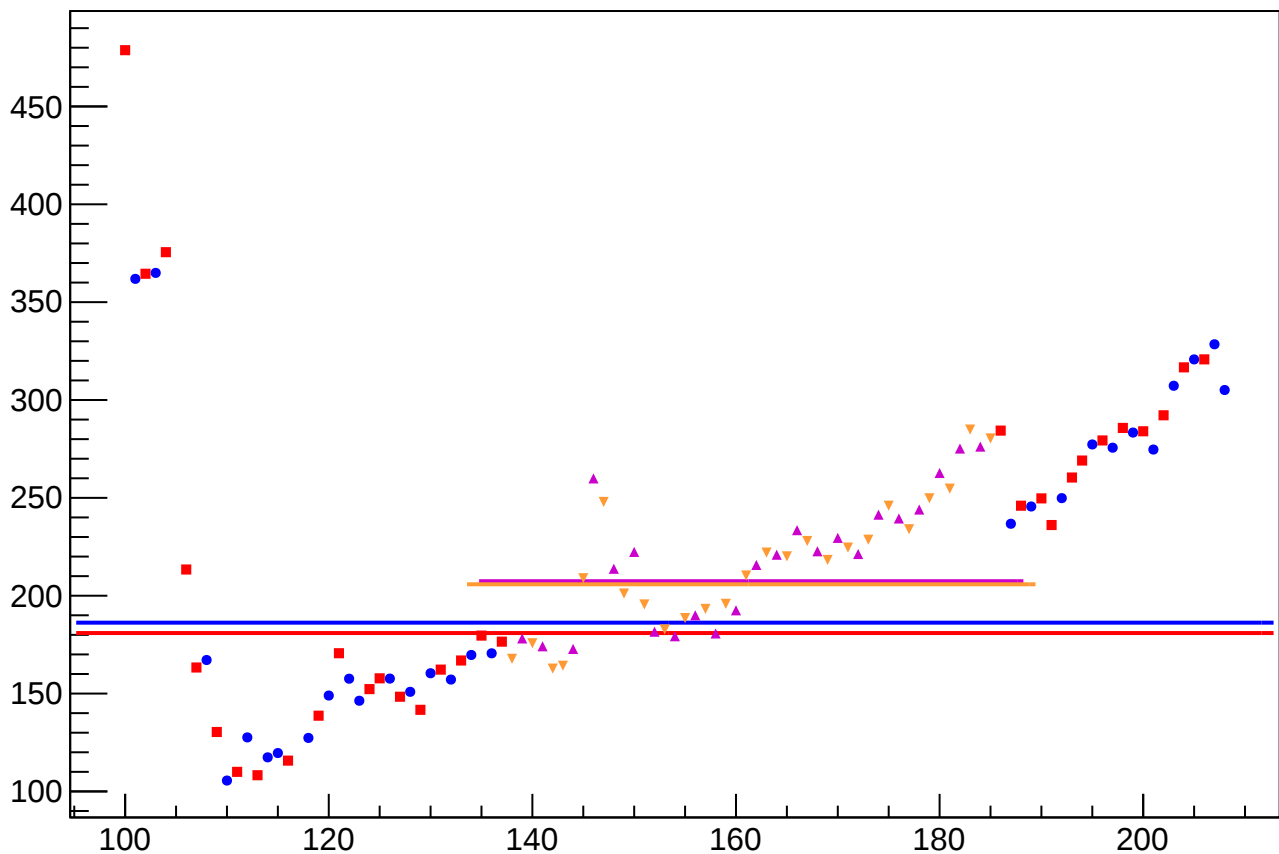
- sign 179.594 $\pm$ 0.024 χ^2 /NDF: 6991901.2/53

yield_bpm0i02aWS_mean vs Slug



Right In: 140501.959 $\pm$ 0.053 χ^2 /NDF: 2773668870.2/27
 Left Out: 139346.604 $\pm$ 0.049 χ^2 /NDF: 1271172976.7/24
 Right Out: 140589.375 $\pm$ 0.051 χ^2 /NDF: 3211778118.5/30
 Left In: 139337.874 $\pm$ 0.051 χ^2 /NDF: 1293003954.9/22
 + sign 139878.669 $\pm$ 0.036 χ^2 /NDF: 4301234735.0
 All: 139922.499 $\pm$ 0.025 χ^2 /NDF: 911318648
 - sign 139966.116 $\pm$ 0.036 χ^2 /NDF: 4808988470.8

yield_bpm0i02aWS_rms vs Slug



Right In: 186.233+/-0.037 χ^2/NDF : 3602209.2/27

Left Out: 205.833+/-0.035 χ^2/NDF : 738666.4/24

Right Out: 180.926+/-0.036 χ^2/NDF : 3880995.7/30

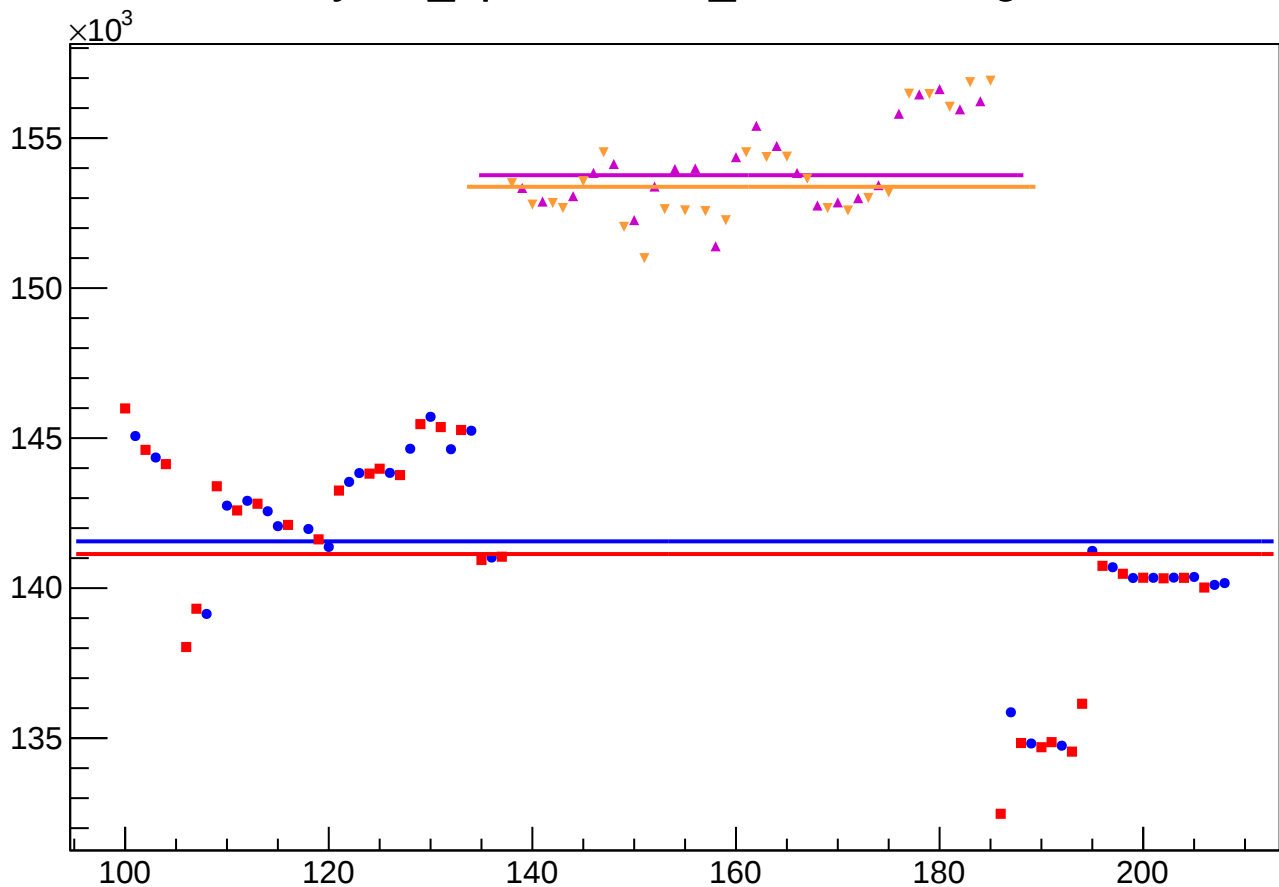
Left In: 207.416+/-0.036 χ^2/NDF : 701955.3/22

+ sign 196.807+/-0.025 χ^2/NDF : 4488449.6/52

All: 195.459+/-0.018 χ^2/NDF : 9349600.4/100

- sign 194.118+/-0.025 χ^2/NDF : 4855548.8/53

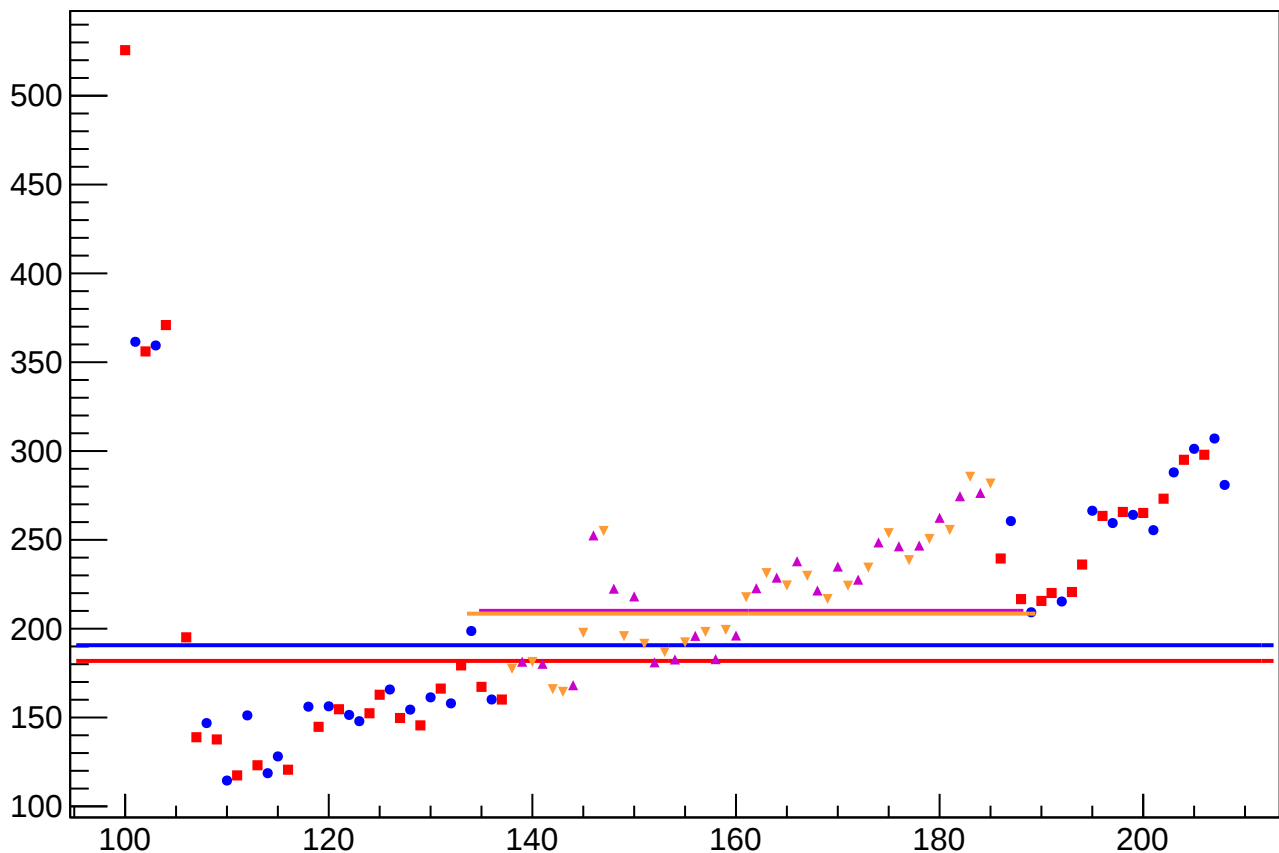
yield_bpm0i05WS_mean vs Slug



Right In: 141559.093 $\pm$ 0.053 χ^2 /NDF: 2708513230.6/27
 Left Out: 153376.698 $\pm$ 0.050 χ^2 /NDF: 803848095.1/24
 Right Out: 141136.139 $\pm$ 0.050 χ^2 /NDF: 4430025122.1/30
 Left In: 153762.419 $\pm$ 0.051 χ^2 /NDF: 635075685.0/22

+ sign 147899.341 $\pm$ 0.036 χ^2 /NDF: 29891608752.
 All: 147576.426 $\pm$ 0.025 χ^2 /NDF: 661259034.
 - sign 147261.478 $\pm$ 0.036 χ^2 /NDF: 36077835811.4

yield_bpm0i05WS_rms vs Slug



Right In: 190.690 $\pm$ 0.038 χ^2 /NDF: 2663382.2/27

Left Out: 208.466 $\pm$ 0.035 χ^2 /NDF: 720894.7/24

Right Out: 181.863 $\pm$ 0.035 χ^2 /NDF: 2851834.0/30

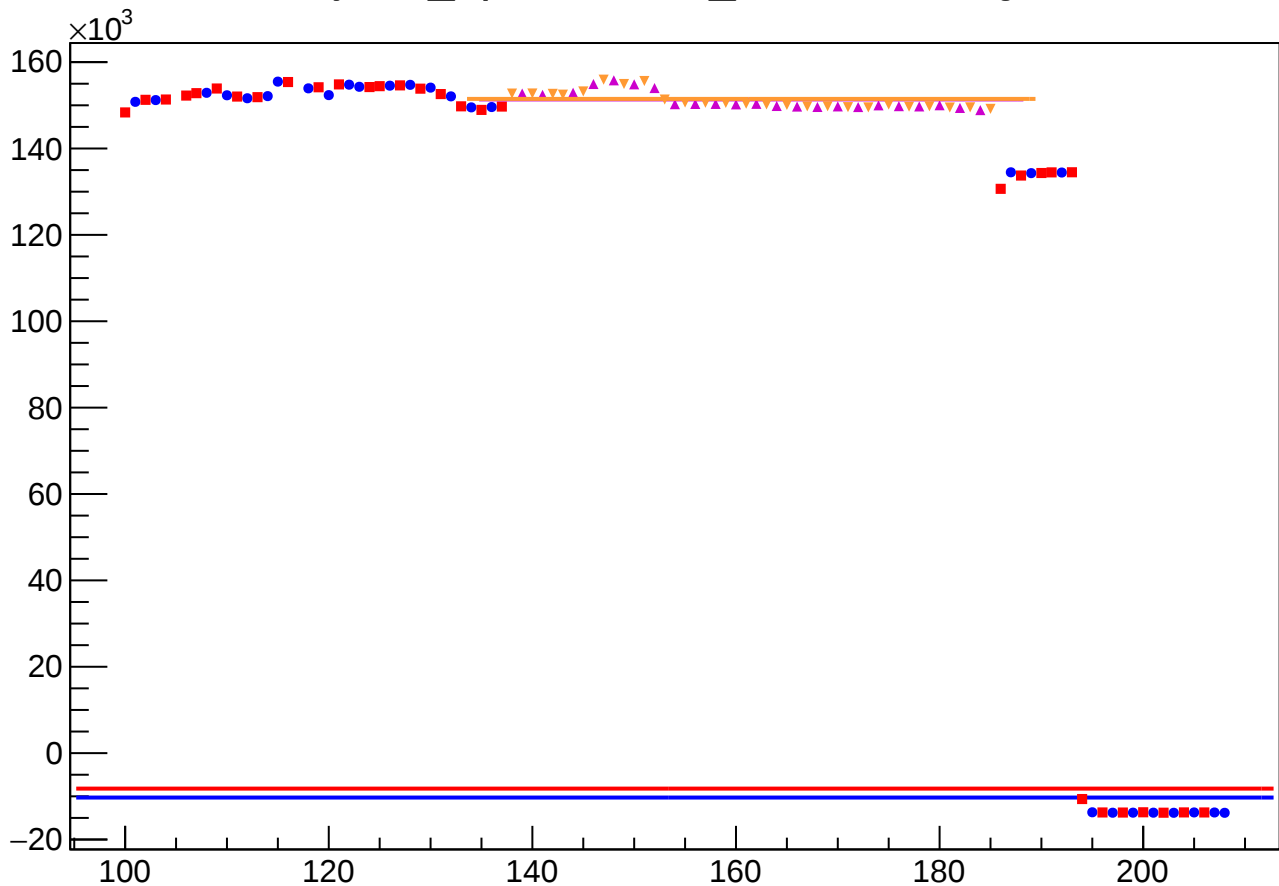
Left In: 210.038 $\pm$ 0.036 χ^2 /NDF: 702369.5/22

+ sign 200.227 $\pm$ 0.026 χ^2 /NDF: 3503648.9/52

All: 197.850 $\pm$ 0.018 χ^2 /NDF: 7383656.4/100

- sign 195.531 $\pm$ 0.025 χ^2 /NDF: 3863050.5/53

yield_bpm0i07WS_mean vs Slug



Right In: -10283.567 $\pm$ 0.010

χ^2 /NDF: 5886267257225.0/27

Left Out: 151483.385 $\pm$ 0.050

χ^2 /NDF: 1481910066.9/24

Right Out: -8211.852 $\pm$ 0.011

χ^2 /NDF: 7132715559341.8/30

Left In: 151363.165 $\pm$ 0.051

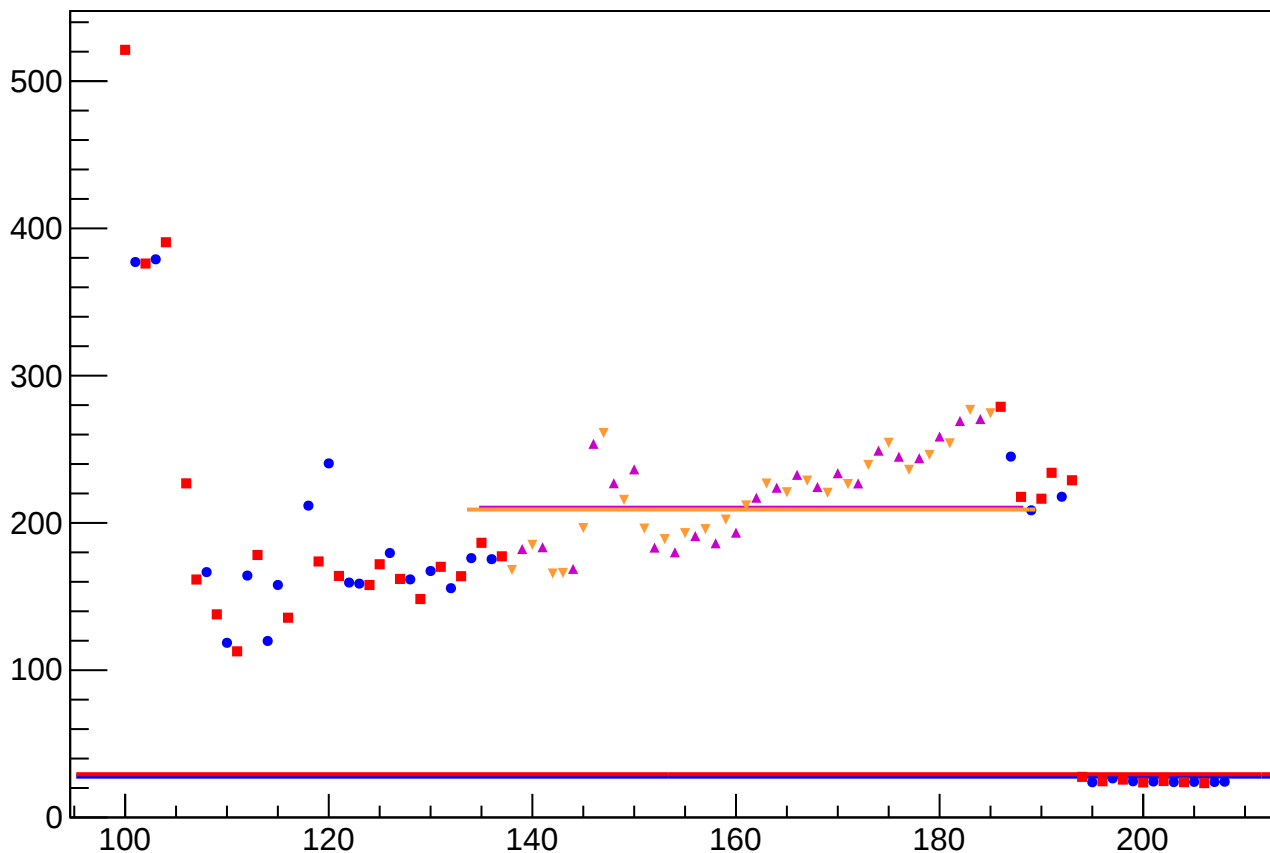
χ^2 /NDF: 1421662089.0/22

+ sign -4254.161 $\pm$ 0.010 χ^2 /NDF: 1616032068354

All: -2971.287 $\pm$ 0.007 χ^2 /NDF: 3256037243

- sign -1384.940 $\pm$ 0.011 χ^2 /NDF: 16359783854351

yield_bpm0i07WS_rms vs Slug



Right In: 27.708+/-0.007 χ^2/NDF : 11568555.9/27

Left Out: 209.076+/-0.035 χ^2/NDF : 708260.3/24

Right Out: 29.374+/-0.008 χ^2/NDF : 13463371.6/30

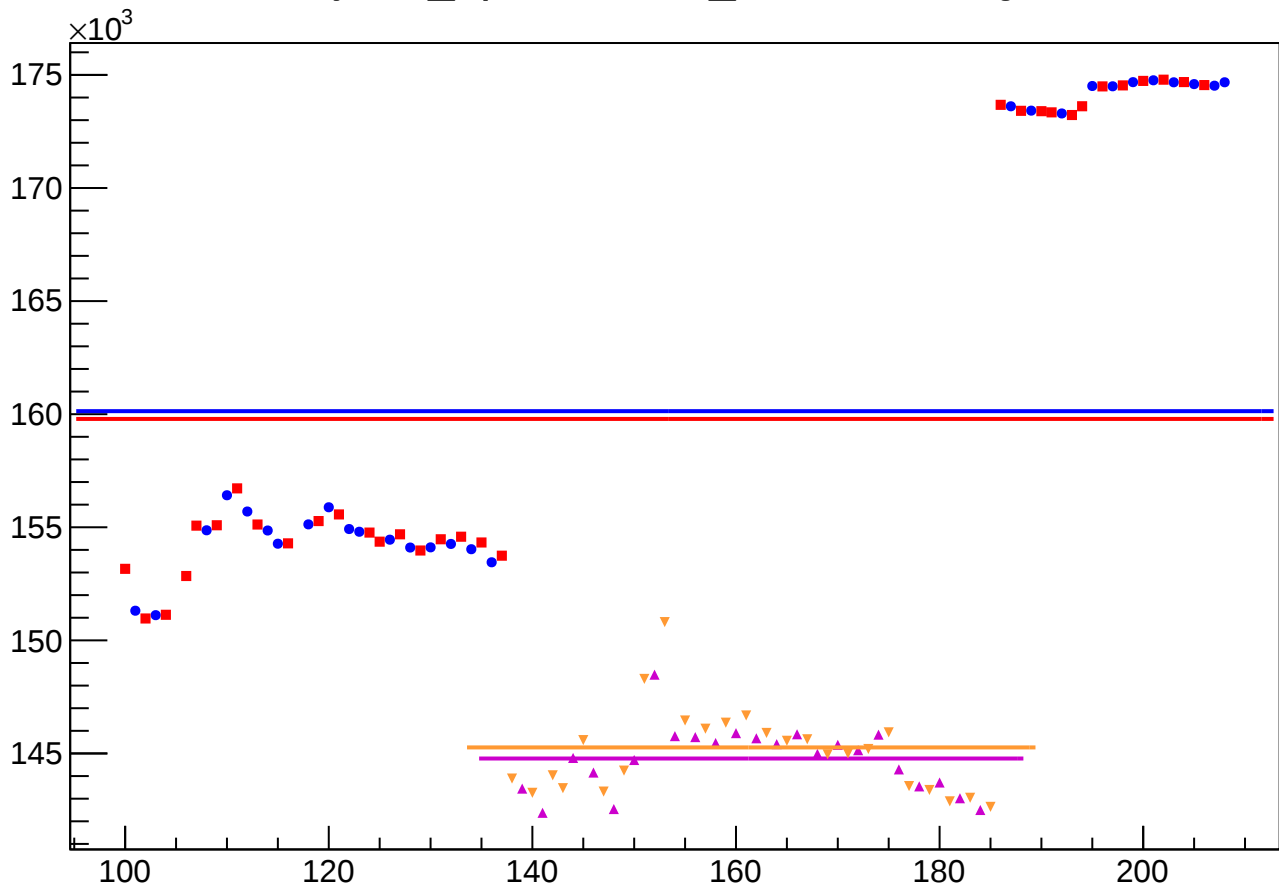
Left In: 210.345+/-0.036 χ^2/NDF : 677747.7/22

+ sign 34.468+/-0.007 χ^2/NDF : 38102534.8/52

All: 35.652+/-0.005 χ^2/NDF : 76043220.5/106

- sign 37.116+/-0.008 χ^2/NDF : 37872066.4/53

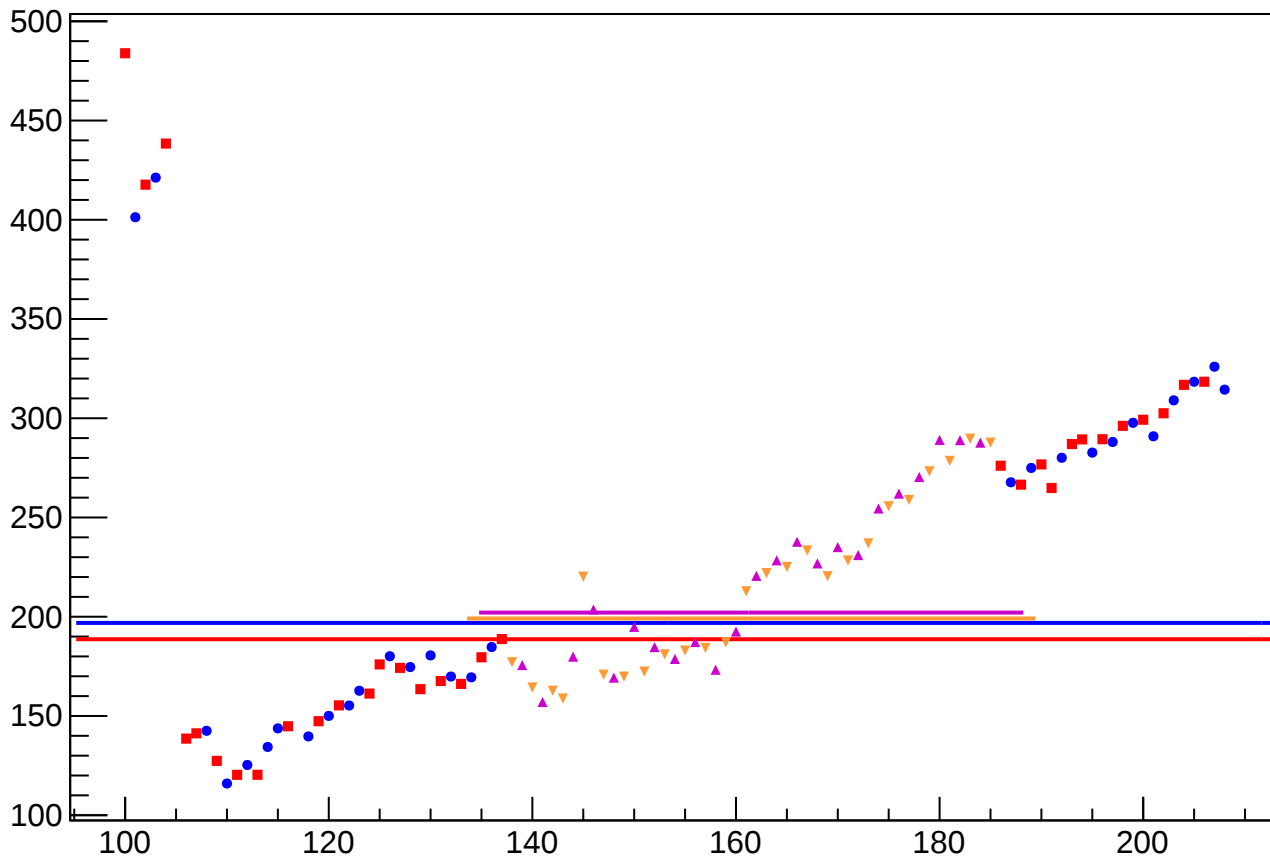
yield_bpm1i02WS_mean vs Slug



Right In: 160133.881 ± 0.056 $\chi^2/\text{NDF}: 24678503999.1/27$
 Left Out: 145266.717 ± 0.047 $\chi^2/\text{NDF}: 1717707352.7/24$
 Right Out: 159790.320 ± 0.052 $\chi^2/\text{NDF}: 26100811442.6/30$
 Left In: 144776.016 ± 0.050 $\chi^2/\text{NDF}: 918120275.4/22$

+ sign 151497.194 ± 0.036 $\chi^2/\text{NDF}: 67635227131.1$
 All: 151677.962 ± 0.026 $\chi^2/\text{NDF}: 137993890$
 - sign 151857.737 ± 0.036 $\chi^2/\text{NDF}: 70308721254.2$

yield_bpm1i02WS_rms vs Slug



Right In: 196.891+/-0.039 χ^2/NDF : 3569417.9/27

Left Out: 199.118+/-0.034 χ^2/NDF : 1152231.0/24

Right Out: 188.658+/-0.037 χ^2/NDF : 3881903.5/30

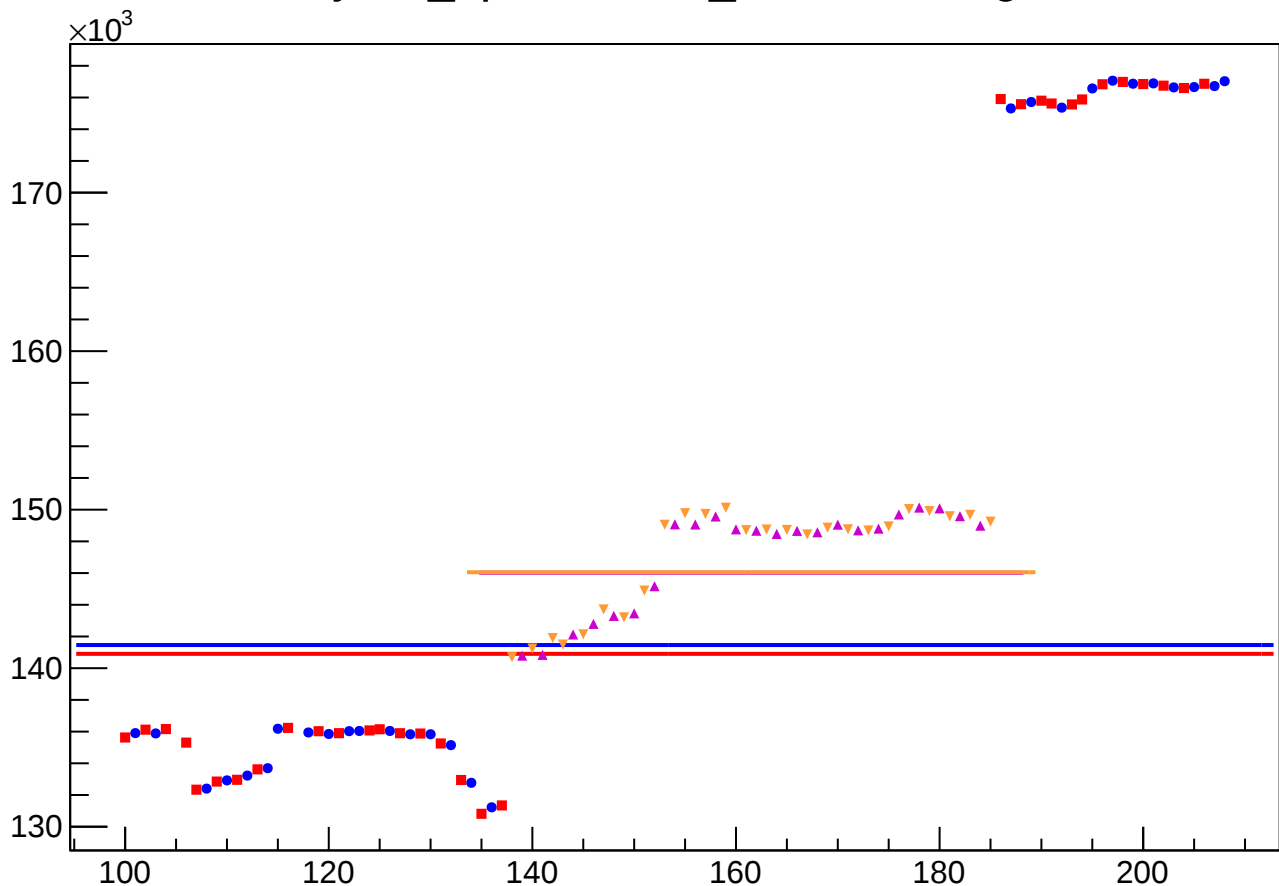
Left In: 202.090+/-0.035 χ^2/NDF : 1057833.2/22

+ sign 198.185+/-0.026 χ^2/NDF : 4723499.5/52

All: 196.966+/-0.018 χ^2/NDF : 9737067.8/106

- sign 195.755+/-0.025 χ^2/NDF : 5009030.6/53

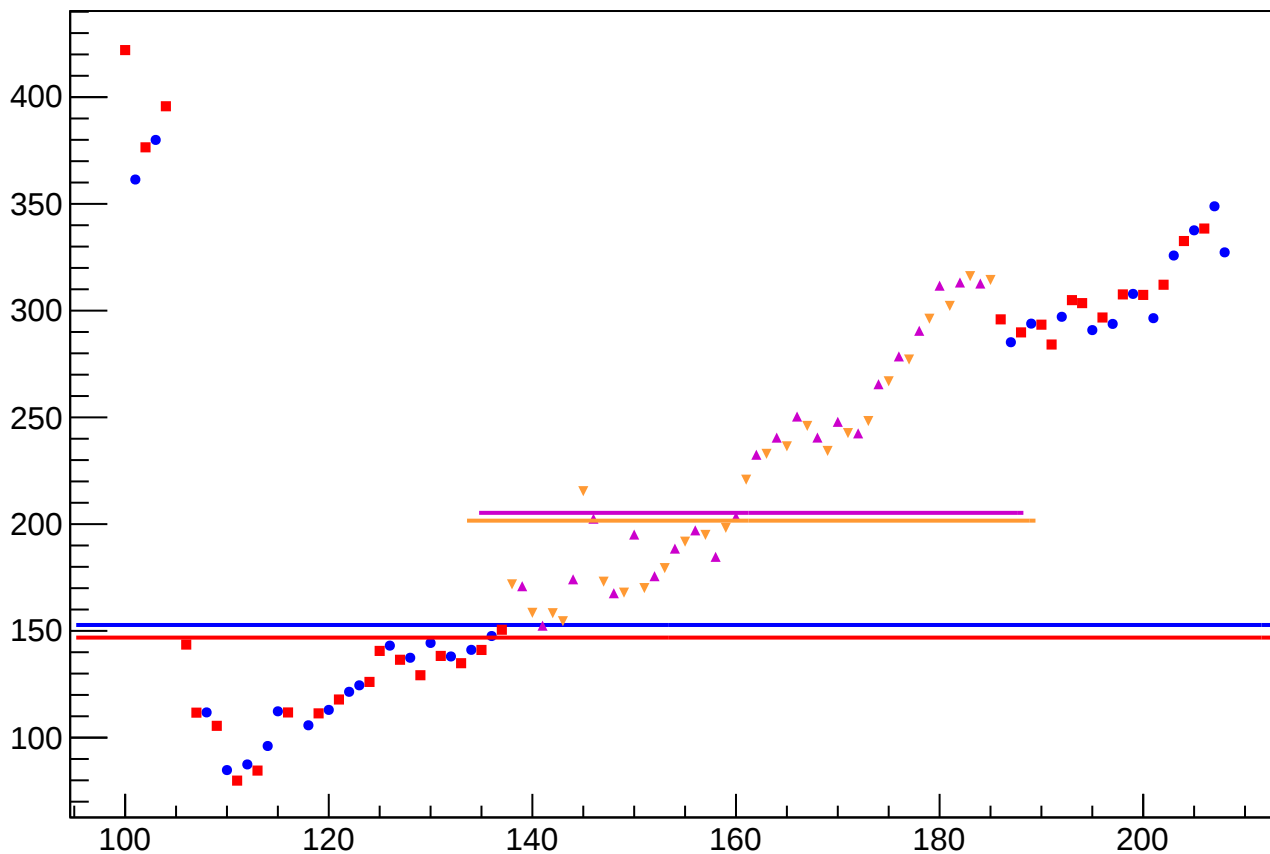
yield_bpm1i04WS_mean vs Slug



Right In: 141460.347 ± 0.046 χ^2/NDF : 120218324189.5/27
 Left Out: 146051.733 ± 0.048 χ^2/NDF : 5403300123.1/24
 Right Out: 140905.349 ± 0.043 χ^2/NDF : 127681605240.7/30
 Left In: 146020.015 ± 0.051 χ^2/NDF : 4591425371.4/22

+ sign 143640.055 ± 0.033 χ^2/NDF : 130367245180
 All: 143354.094 ± 0.023 χ^2/NDF : 268660727
 - sign 143073.339 ± 0.033 χ^2/NDF : 138147180532

yield_bpm1i04WS_rms vs Slug



Right In: 152.765 $\pm$ 0.032 χ^2 /NDF: 6282356.0/27

Left Out: 201.632 $\pm$ 0.034 χ^2 /NDF:1589564.0/24

Right Out: 146.856 $\pm$ 0.031 χ^2 /NDF: 6719193.4/30

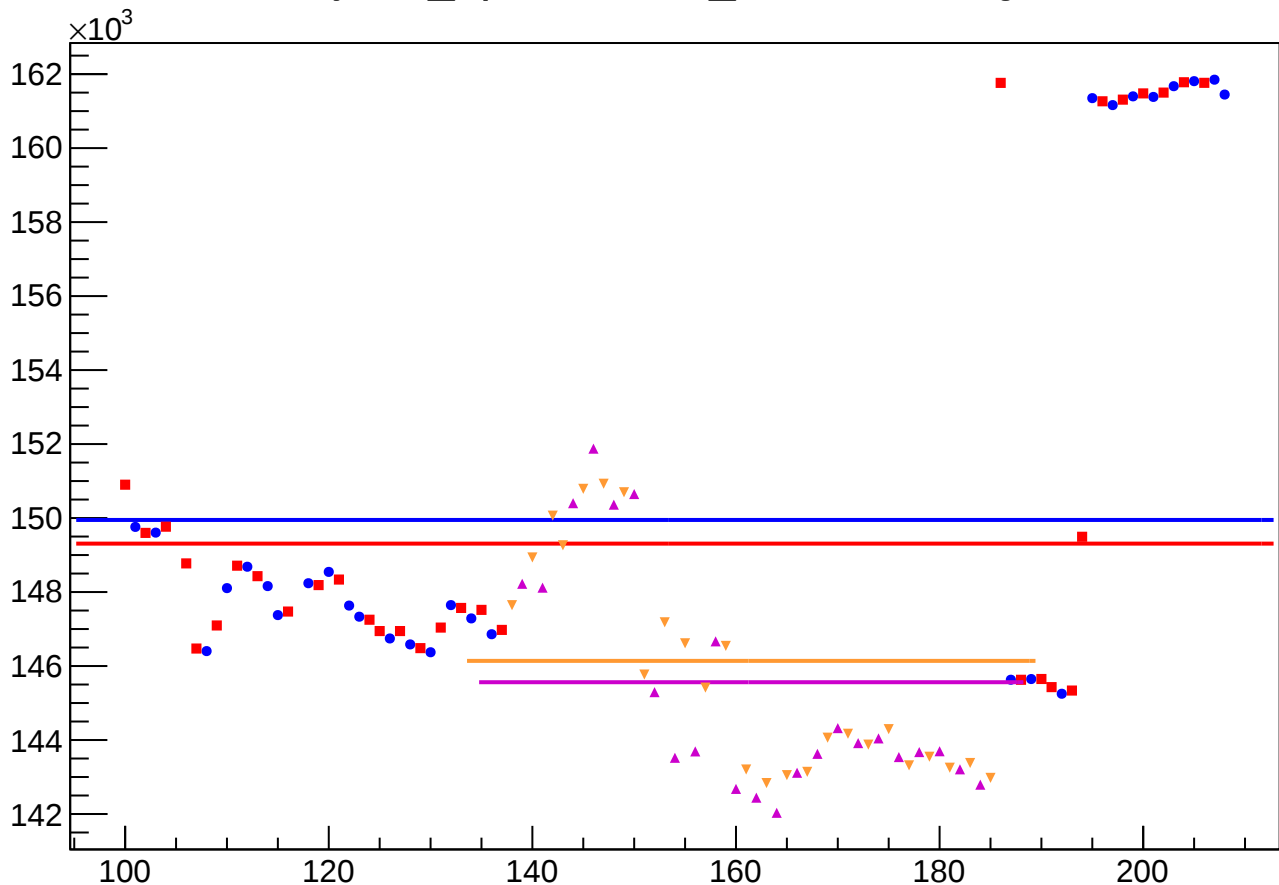
Left In: 205.286 $\pm$ 0.036 χ^2 /NDF:1425292.7/22

+ sign 175.964 $\pm$ 0.024 χ^2 /NDF: 8947030.9/52

All: 173.774 $\pm$ 0.017 χ^2 /NDF: 18641922.9/10

- sign 171.623 $\pm$ 0.023 χ^2 /NDF: 9677727.3/53

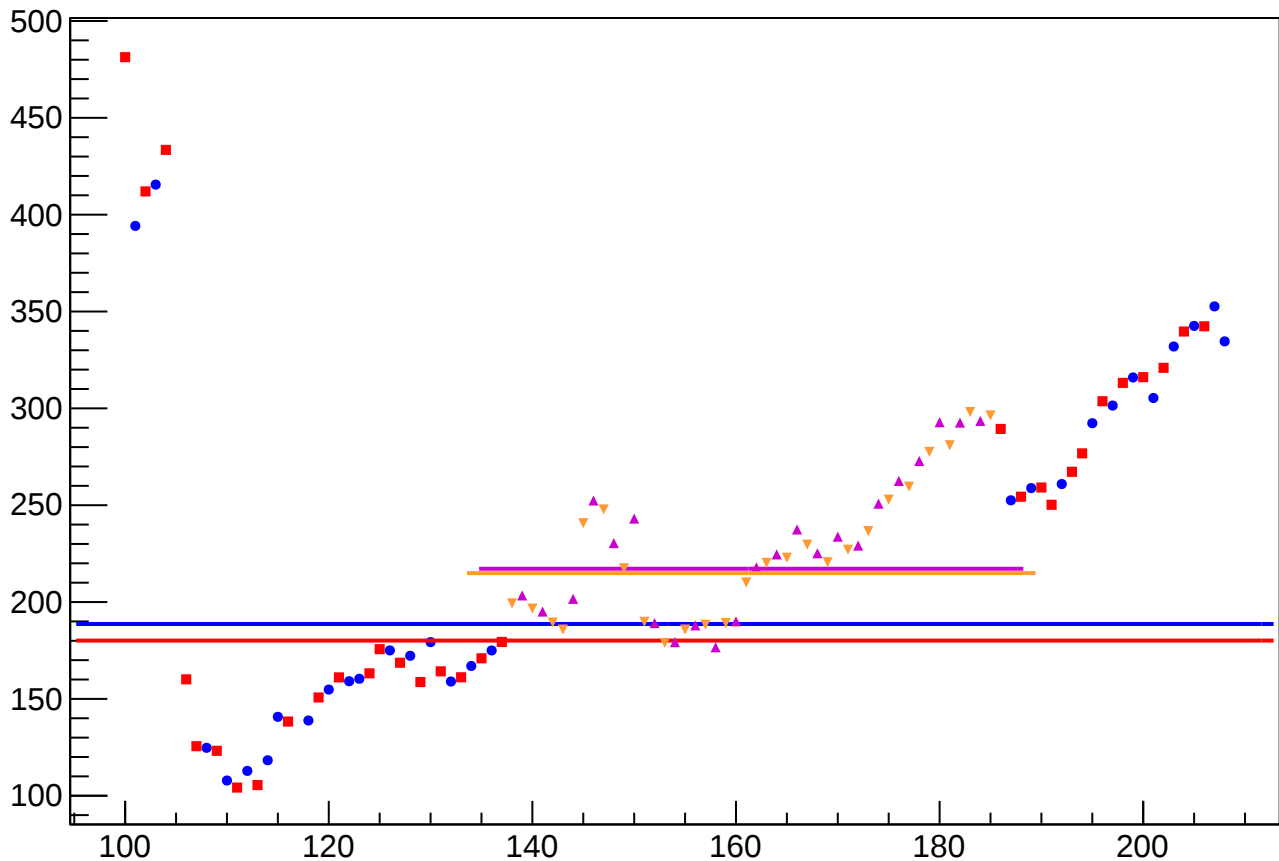
yield_bpm1i06WS_mean vs Slug



Right In: 149948.587 $\pm$ 0.054 χ^2 /NDF: 10118135899.5/27
 Left Out: 146139.326 $\pm$ 0.051 χ^2 /NDF: 2699546907.6/24
 Right Out: 149308.938 $\pm$ 0.051 χ^2 /NDF: 8657365820.9/30
 Left In: 145562.386 $\pm$ 0.053 χ^2 /NDF: 3054641996.0/22

+ sign 147919.566 $\pm$ 0.037 χ^2 /NDF: 15434601351.9
 All: 147714.457 $\pm$ 0.026 χ^2 /NDF: 298031783.1
 - sign 147513.963 $\pm$ 0.037 χ^2 /NDF: 14308305599.9

yield_bpm1i06WS_rms vs Slug



Right In: 188.673 $\pm$ 0.038 χ^2 /NDF: 4319194.1/27

Left Out: 214.945 $\pm$ 0.036 χ^2 /NDF: 728515.5/24

Right Out: 180.121 $\pm$ 0.036 χ^2 /NDF: 4602844.4/30

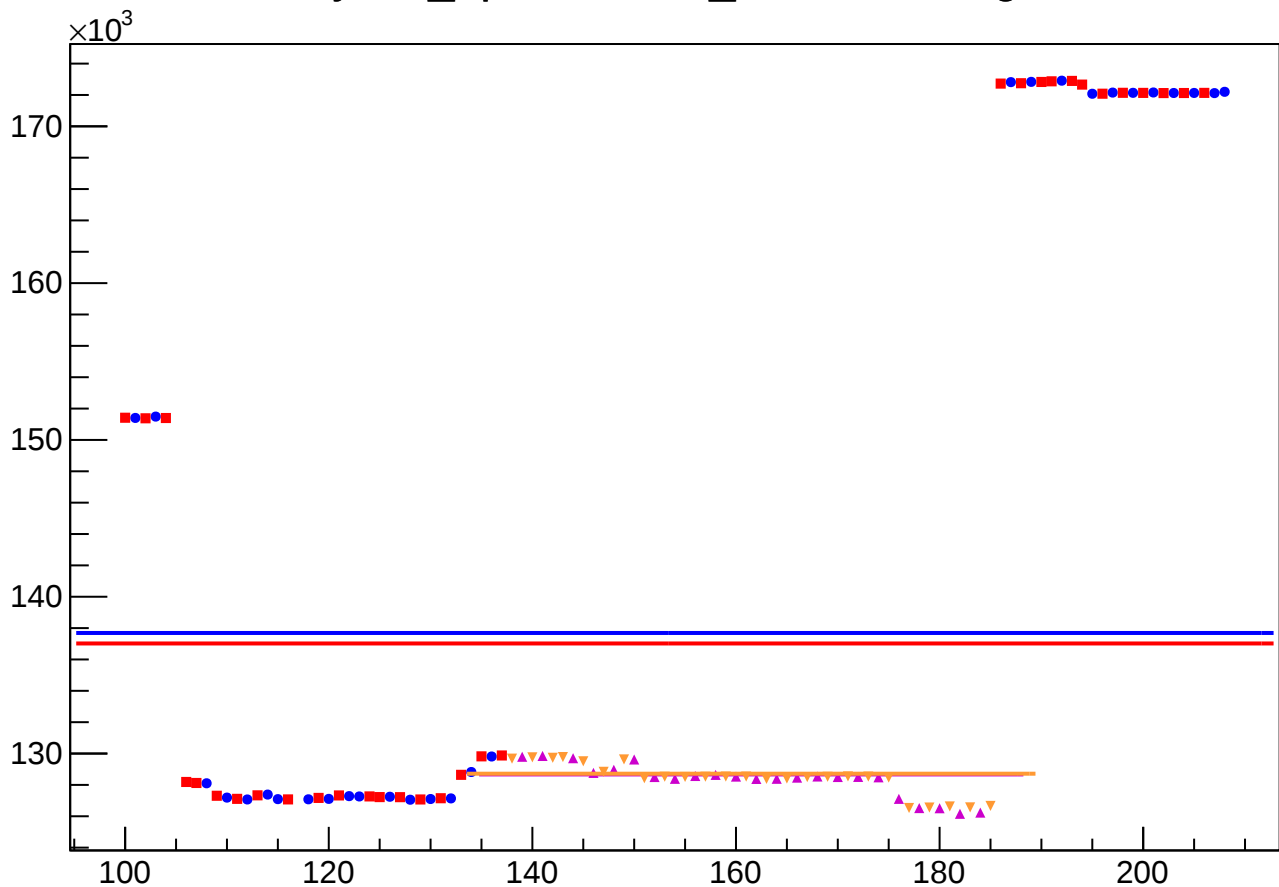
Left In: 217.203 $\pm$ 0.038 χ^2 /NDF: 764798.3/22

+ sign 202.667 $\pm$ 0.026 χ^2 /NDF: 5296673.4/52

All: 200.250 $\pm$ 0.018 χ^2 /NDF: 11189760.2/10

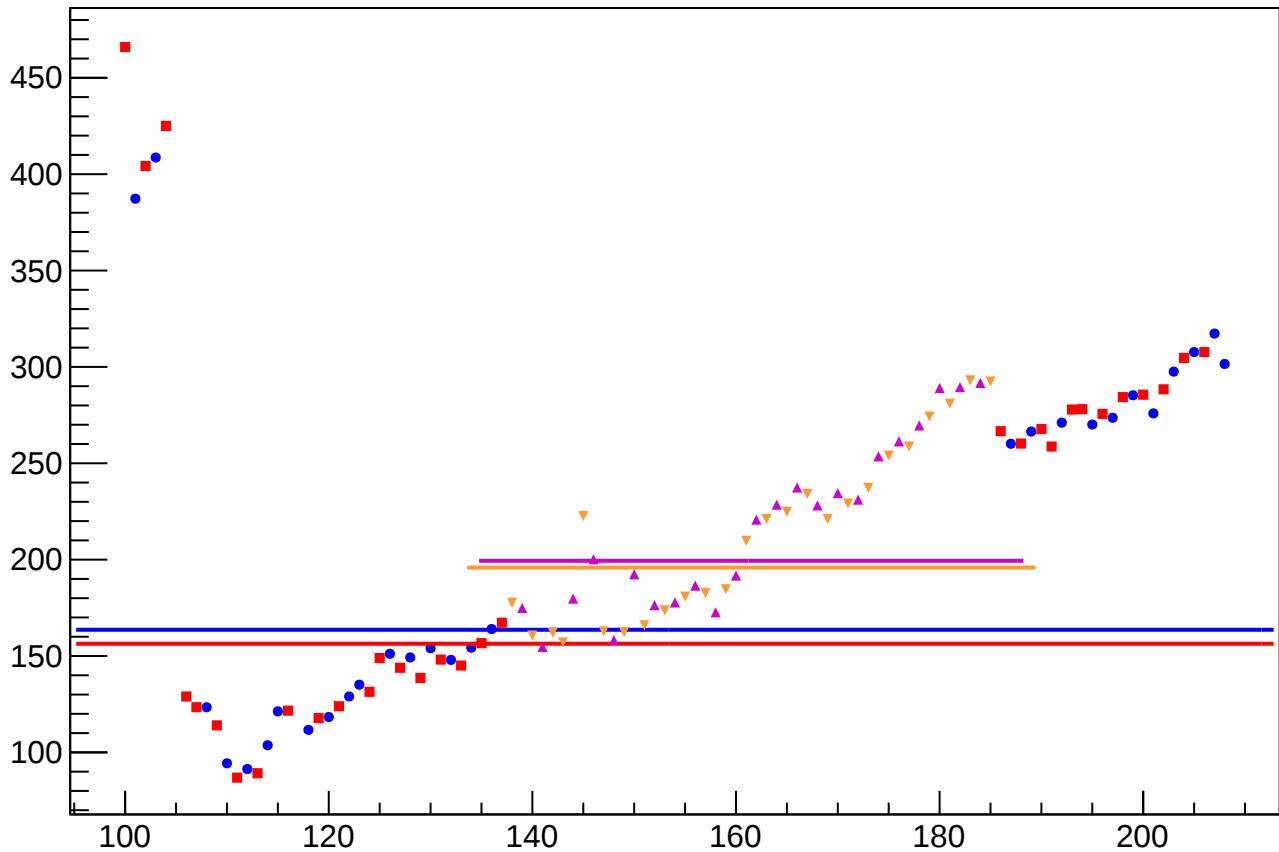
- sign 197.887 $\pm$ 0.026 χ^2 /NDF: 5876346.9/53

yield_bpm2i01WS_mean vs Slug



Right In: 137689.751 $\pm$ 0.048 χ^2 /NDF: 150195125937.2/27
 Left Out: 128714.507 $\pm$ 0.047 χ^2 /NDF: 348178101.1/24
 Right Out: 137020.052 $\pm$ 0.045 χ^2 /NDF: 163050265085.2/30
 Left In: 128667.013 $\pm$ 0.049 χ^2 /NDF: 333059477.6/22
 + sign 133085.762 $\pm$ 0.033 χ^2 /NDF: 168534273324
 All: 133144.552 $\pm$ 0.024 χ^2 /NDF: 347706434
 - sign 133202.209 $\pm$ 0.033 χ^2 /NDF: 179166041642

yield_bpm2i01WS_rms vs Slug



Right In: 163.613 ± 0.034 χ^2/NDF : 5103947.9/27

Left Out: 195.883 ± 0.033 χ^2/NDF : 1313361.5/24

Right Out: 156.370 ± 0.032 χ^2/NDF : 5491526.9/30

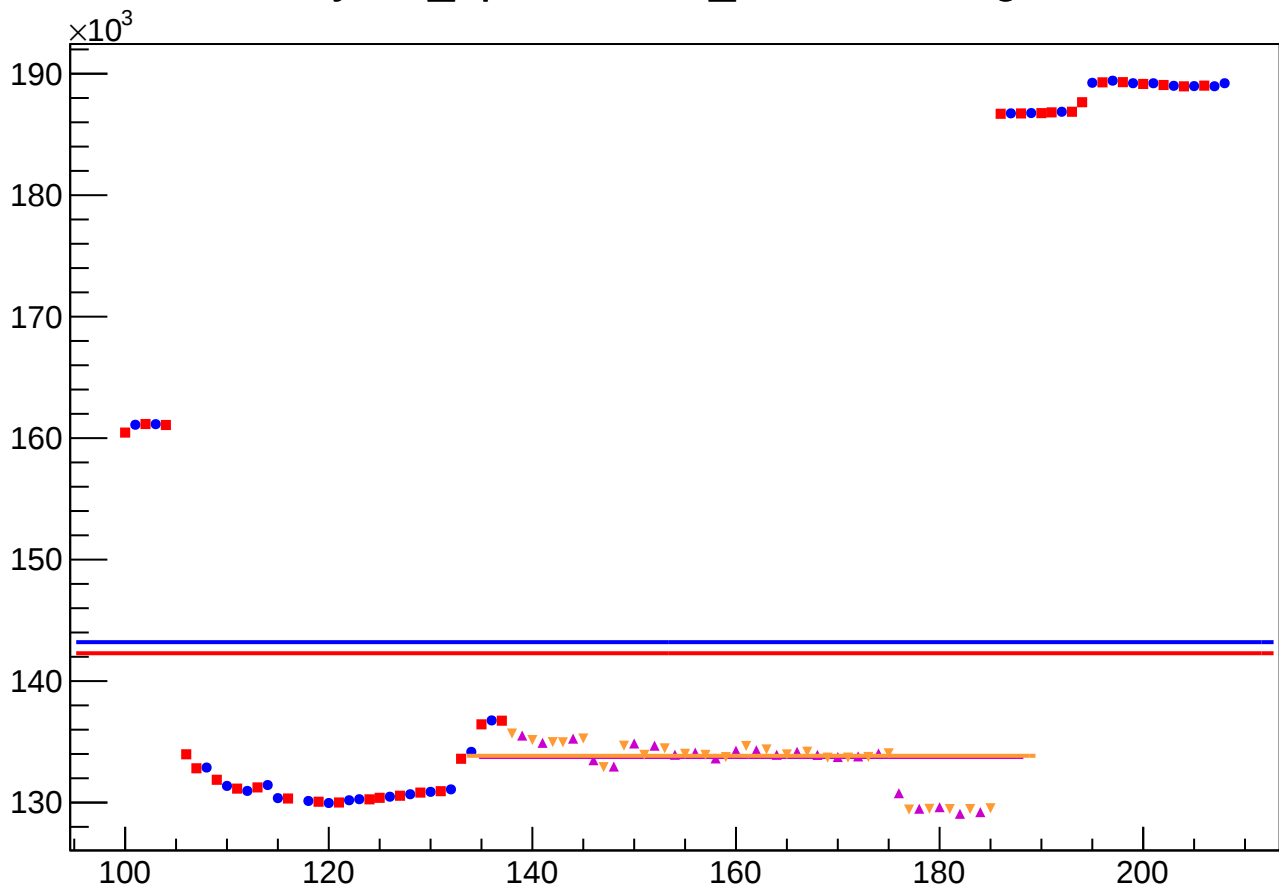
Left In: 199.413 ± 0.035 χ^2/NDF : 1165698.7/22

+ sign 180.166 ± 0.024 χ^2/NDF : 6882437.4/52

All: 178.085 ± 0.017 χ^2/NDF : 14393192.9/10

- sign 176.043 ± 0.023 χ^2/NDF : 7495411.0/53

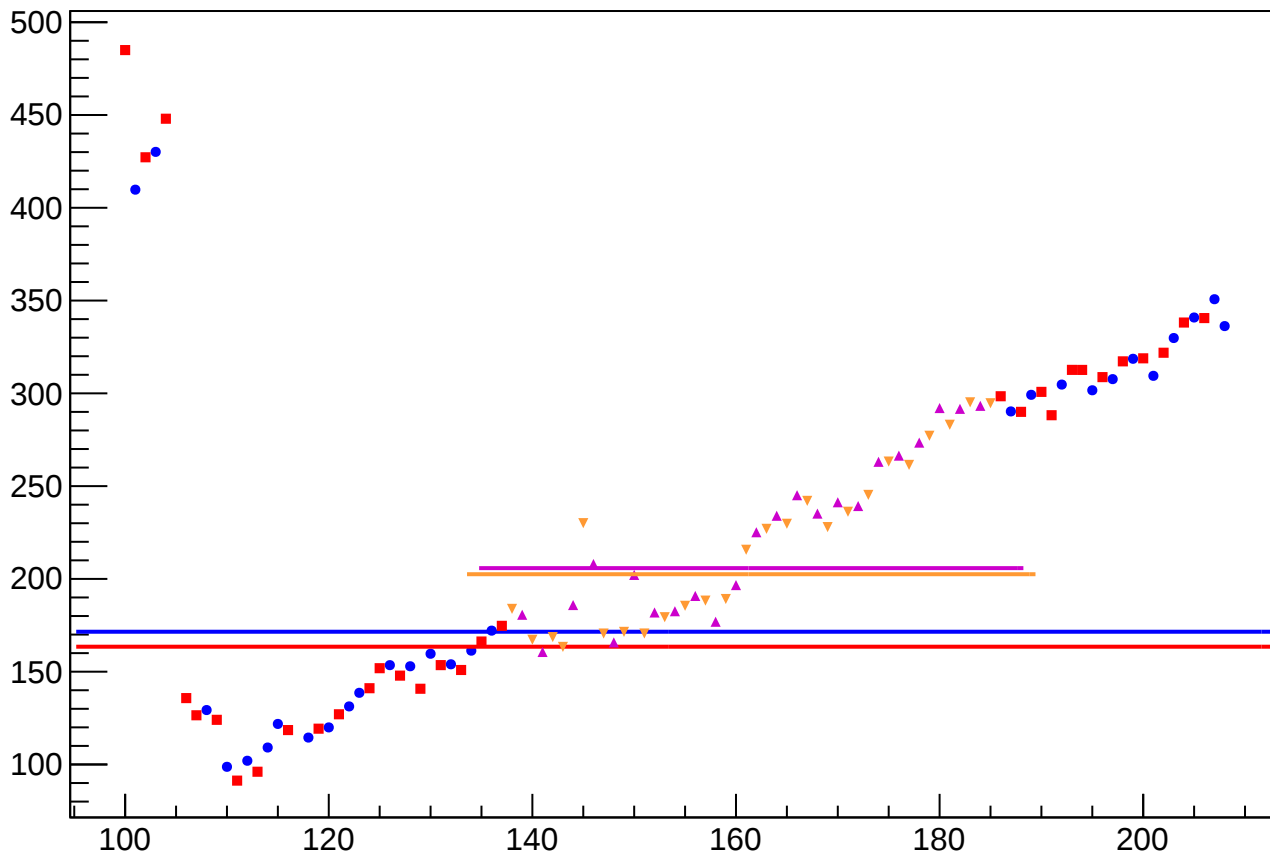
yield_bpm2i02WS_mean vs Slug



Right In: 143204.610 ± 0.051 $\chi^2/\text{NDF}: 202957112598.9/27$
 Left Out: 133850.586 ± 0.048 $\chi^2/\text{NDF}: 1080107831.1/24$
 Right Out: 142292.391 ± 0.047 $\chi^2/\text{NDF}: 214396511519.7/30$
 Left In: 133749.630 ± 0.051 $\chi^2/\text{NDF}: 954069486.7/22$

+ sign 138289.274 ± 0.035 $\chi^2/\text{NDF}: 221893179086$
 All: 138286.601 ± 0.025 $\chi^2/\text{NDF}: 452424238$
 - sign 138283.983 ± 0.035 $\chi^2/\text{NDF}: 230531047715$

yield_bpm2i02WS_rms vs Slug



Right In: 171.533 ± 0.036 χ^2/NDF : 5558387.9/27

Left Out: 202.527 ± 0.034 χ^2/NDF : 1211991.5/24

Right Out: 163.465 ± 0.034 χ^2/NDF : 6001180.7/30

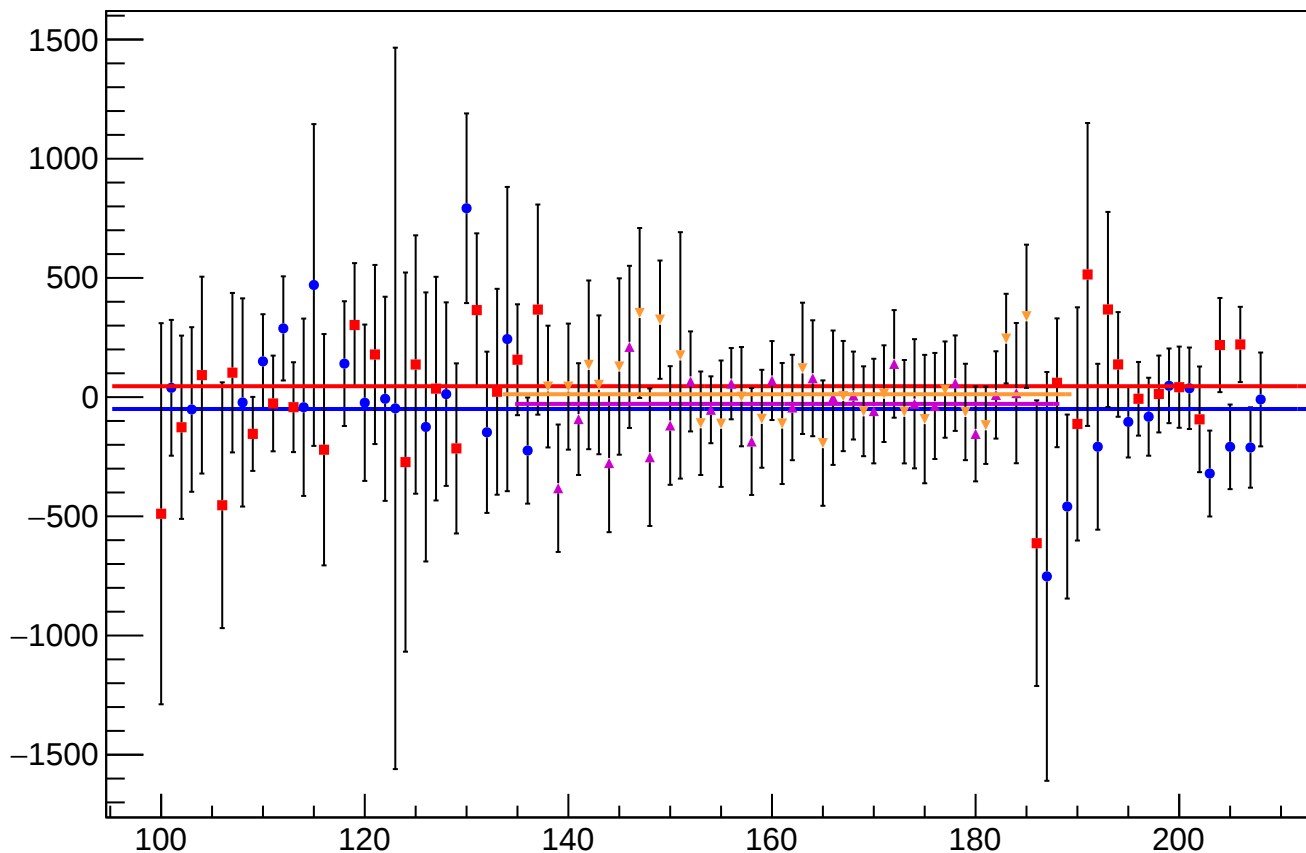
Left In: 205.808 ± 0.036 χ^2/NDF : 1094330.7/22

+ sign 187.820 ± 0.025 χ^2/NDF : 7162457.5/52

All: 185.554 ± 0.017 χ^2/NDF : 15020515.3/10

- sign 183.333 ± 0.024 χ^2/NDF : 7841413.1/53

asym_bcm_an_ds_mean vs Slug



Right In: -49.844 ± 46.802 χ^2/NDF : 16.9/27

Left Out: 12.180 ± 47.531 χ^2/NDF : 8.6/24

Right Out: 45.798 ± 46.911 χ^2/NDF : 12.7/30

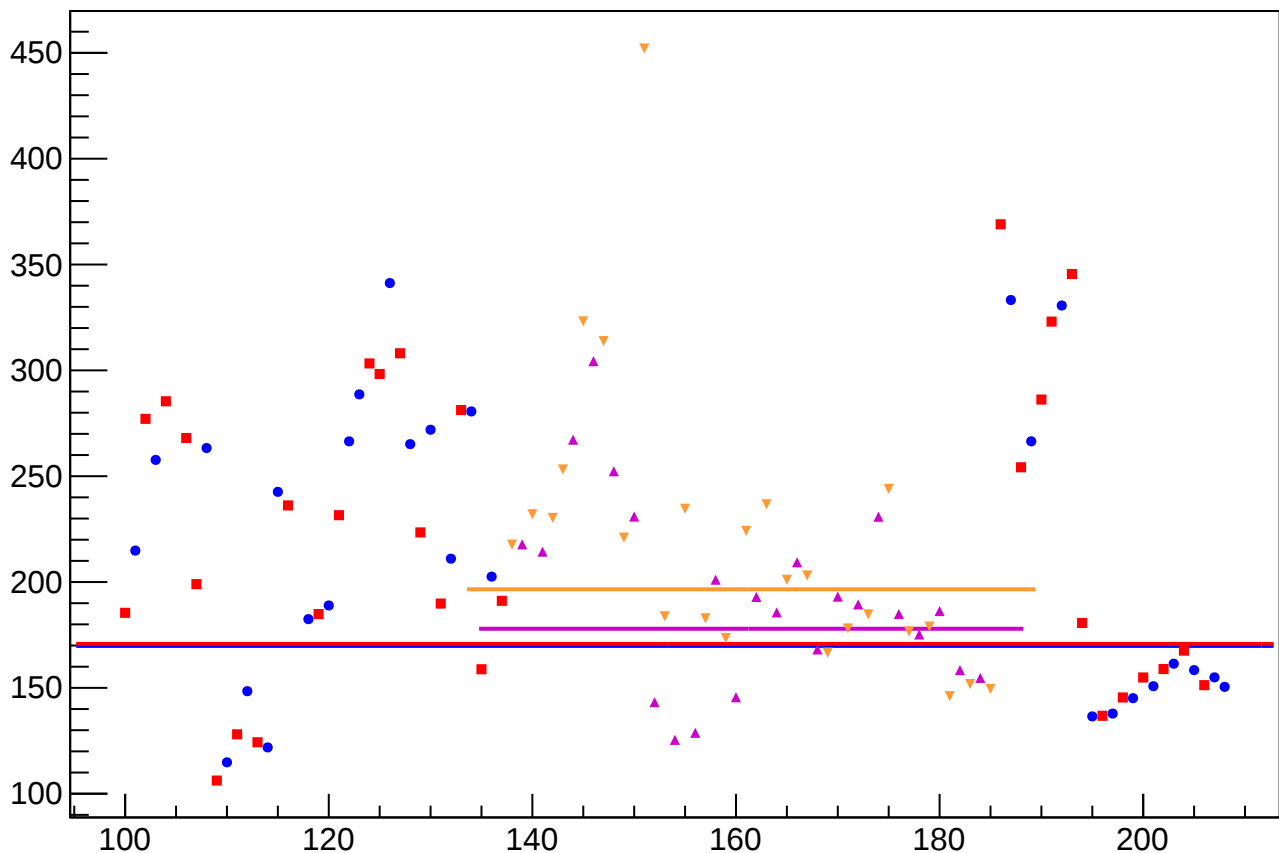
Left In: -28.452 ± 44.688 χ^2/NDF : 6.7/22

+ sign -19.311 ± 33.349 χ^2/NDF : 26.4/52

All: -5.824 ± 23.222 χ^2/NDF : 47.4/106

- sign 6.872 ± 32.357 χ^2/NDF : 20.7/53

asym_bcm_an_ds_rms vs Slug



Right In: 169.841 $\pm$ 0.033 χ^2 /NDF: 2123141.4/27

Left Out: 196.576 $\pm$ 0.034 χ^2 /NDF:1778719.0/24

Right Out: 170.771 $\pm$ 0.033 χ^2 /NDF: 2779713.9/30

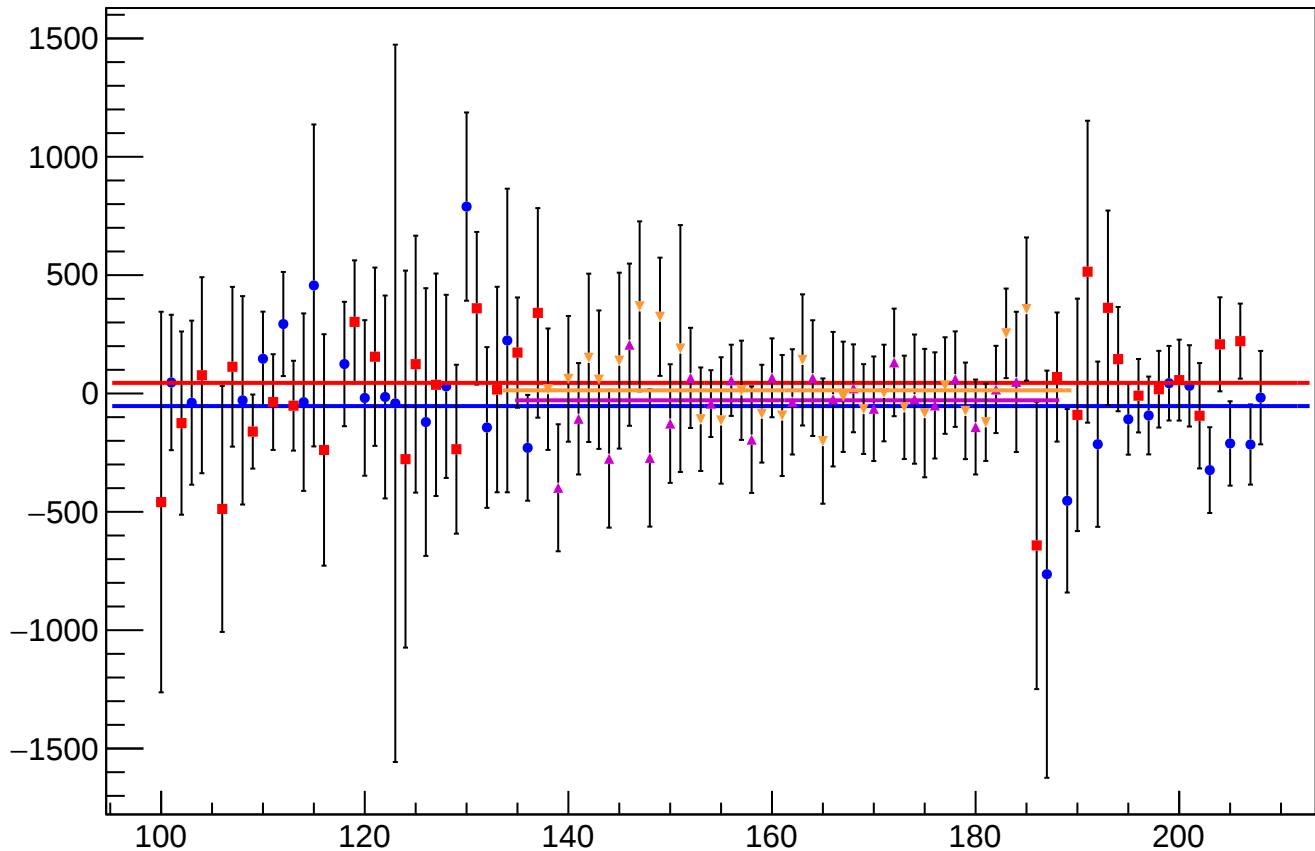
Left In: 177.933 $\pm$ 0.032 χ^2 /NDF:1605780.8/22

+ sign 183.002 $\pm$ 0.024 χ^2 /NDF: 4223144.0/52

All: 178.636 $\pm$ 0.016 χ^2 /NDF: 8699626.0/100

- sign 174.526 $\pm$ 0.023 χ^2 /NDF: 4409932.2/53

asym_bcm_an_ds3_mean vs Slug



Right In: -53.259 ± 47.023 χ^2/NDF : 16.8/27

Left Out: 13.395 ± 47.862 χ^2/NDF : 9.0/24

Right Out: 44.832 ± 47.147 χ^2/NDF : 12.9/30

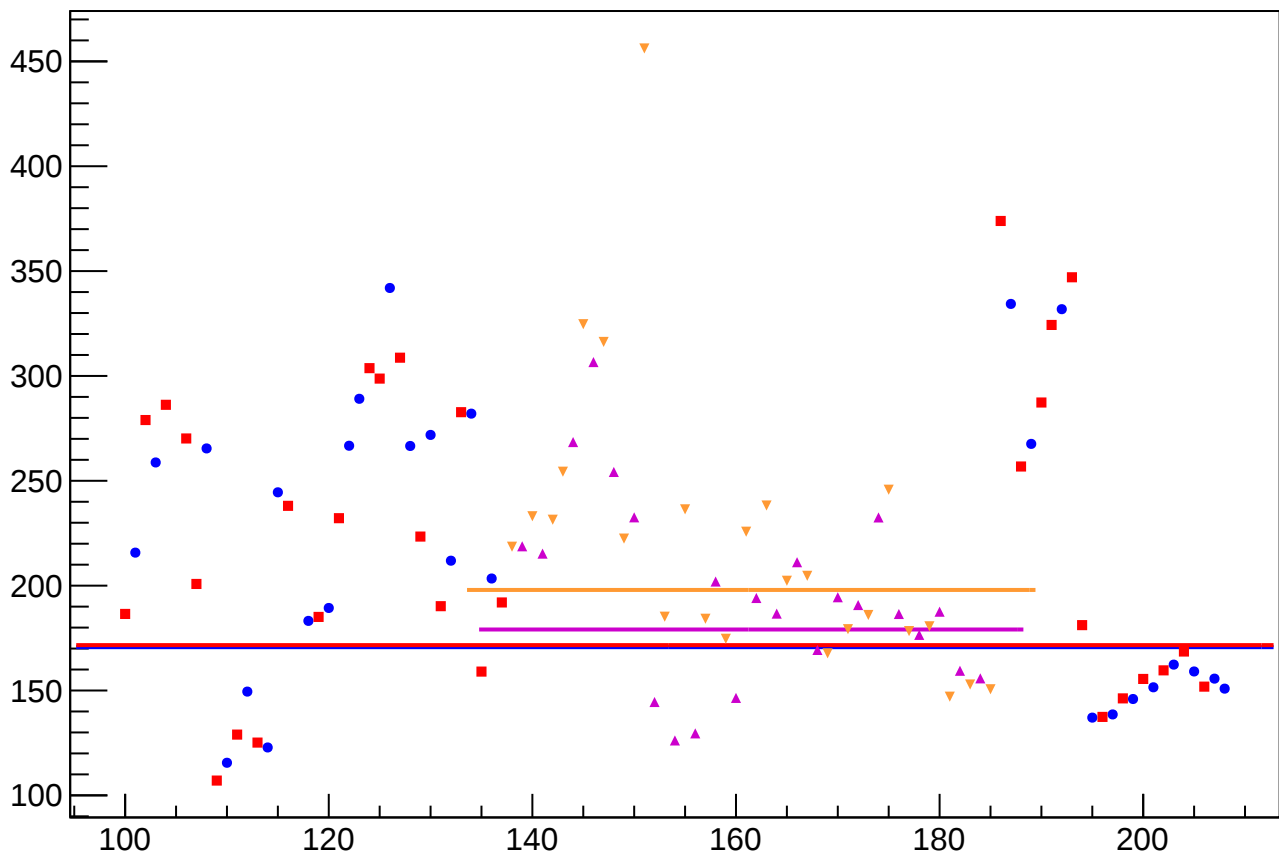
Left In: -28.806 ± 44.980 χ^2/NDF : 6.8/22

+ sign -20.521 ± 33.543 χ^2/NDF : 26.8/52

All: -6.715 ± 23.358 χ^2/NDF : 48.2/106

- sign 6.282 ± 32.545 χ^2/NDF : 21.0/53

asym_bcm_an_ds3_rms vs Slug



Right In: 170.669 ± 0.033 χ^2/NDF : 2114873.0/27

Left Out: 197.953 ± 0.034 χ^2/NDF : 1774524.3/24

Right Out: 171.641 ± 0.033 χ^2/NDF : 2775133.3/30

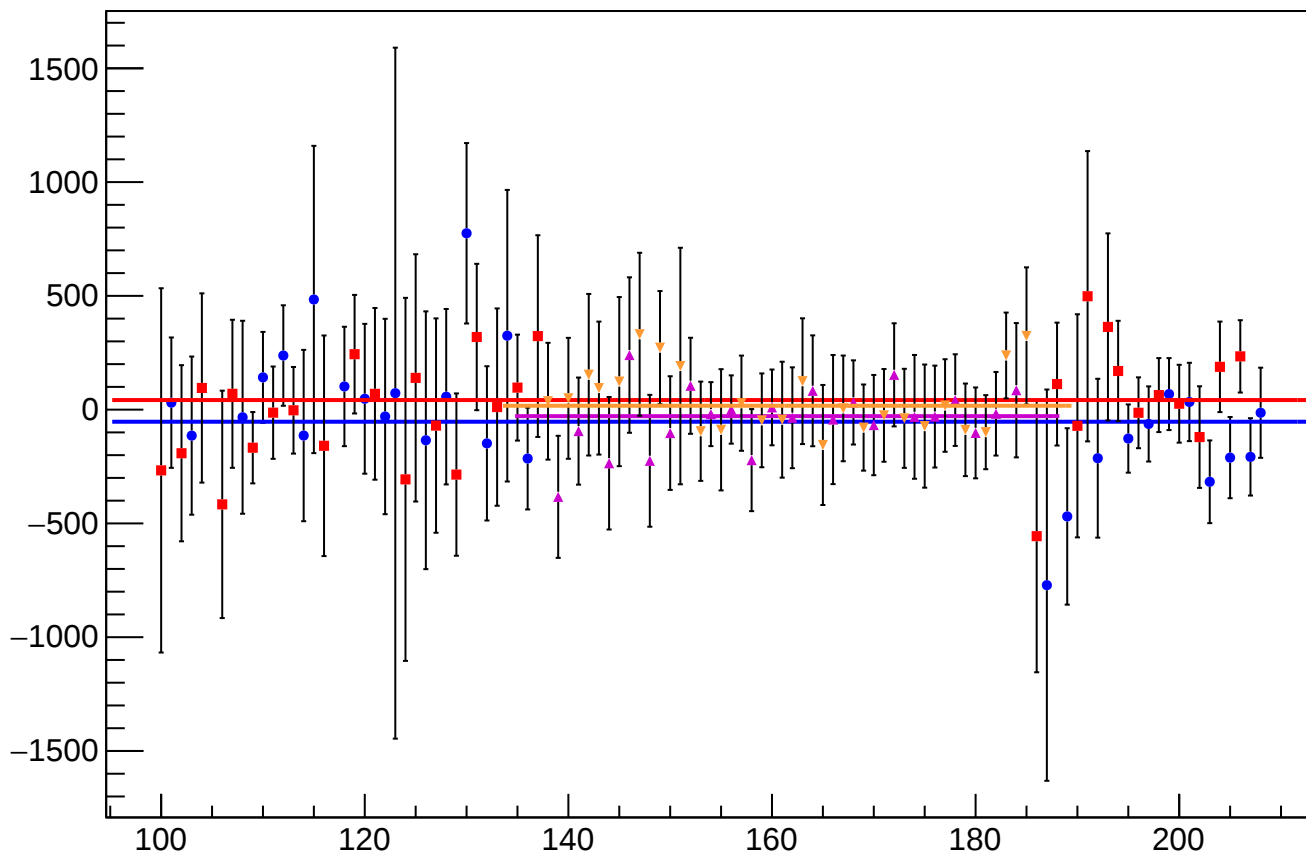
Left In: 179.090 ± 0.032 χ^2/NDF : 1605113.3/22

+ sign 184.070 ± 0.024 χ^2/NDF : 4220103.3/52

All: 179.676 ± 0.017 χ^2/NDF : 8693084.9/106

- sign 175.541 ± 0.023 χ^2/NDF : 4406378.1/53

asym_bcm_an_us_mean vs Slug



Right In: -53.111 ± 47.105 χ^2/NDF : 16.2/27

Left Out: 17.142 ± 47.738 χ^2/NDF : 7.1/24

Right Out: 42.141 ± 47.155 χ^2/NDF : 11.7/30

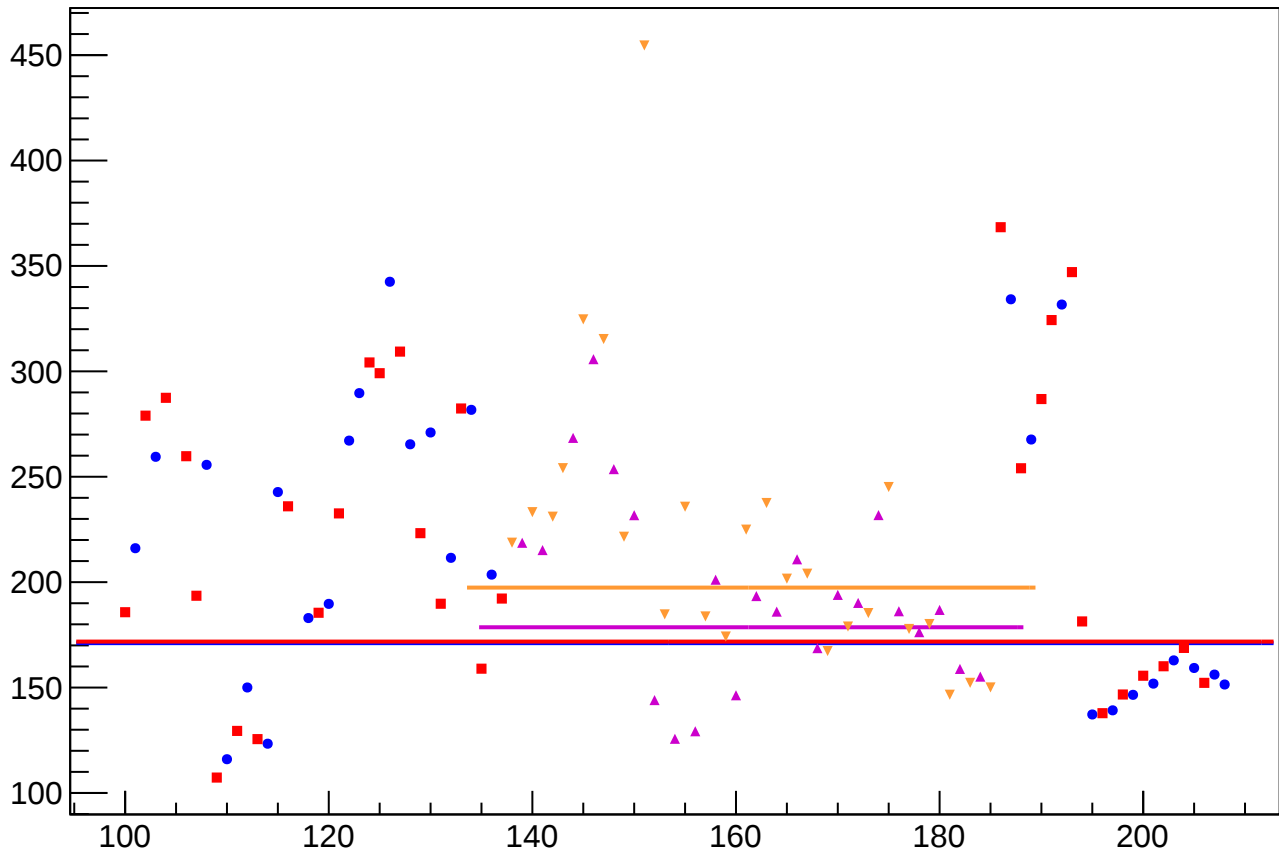
Left In: -28.655 ± 44.859 χ^2/NDF : 6.1/22

+ sign -18.453 ± 33.530 χ^2/NDF : 24.4/52

All: -6.373 ± 23.337 χ^2/NDF : 43.6/106

- sign 4.977 ± 32.501 χ^2/NDF : 19.0/53

asym_bcm_an_us_rms vs Slug



Right In: 171.069+/-0.033 χ^2/NDF : 2083120.3/27

Left Out: 197.422+/-0.034 χ^2/NDF :1780261.9/24

Right Out: 171.811+/-0.033 χ^2/NDF : 2729984.4/30

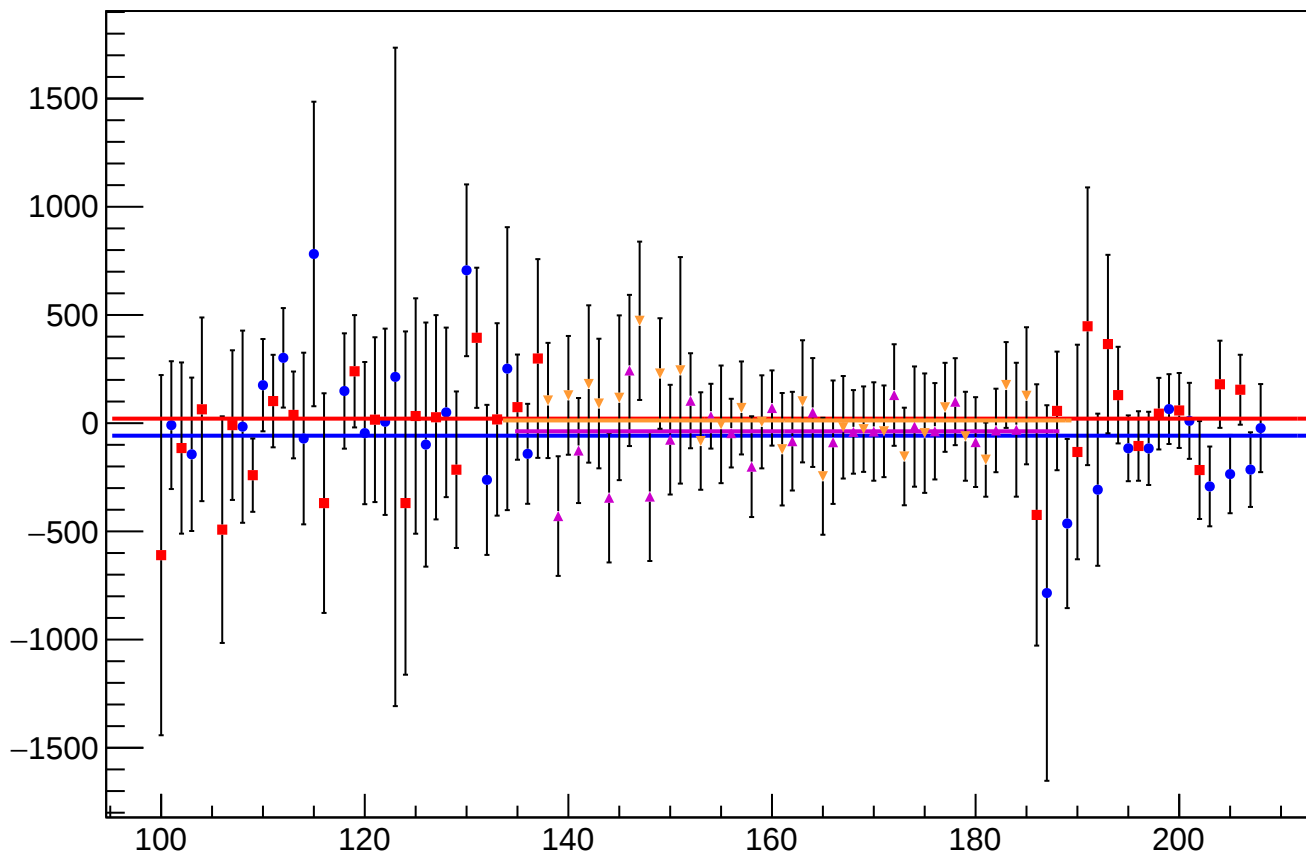
Left In: 178.601+/-0.032 χ^2/NDF :1608998.1/22

+ sign 184.070+/-0.024 χ^2/NDF : 4172191.0/52

All: 179.587+/-0.017 χ^2/NDF : 8602270.0/100

- sign 175.375+/-0.023 χ^2/NDF : 4360752.4/53

asym_bcm_dg_us_mean vs Slug



Right In: -57.816 ± 48.162 χ^2/NDF : 17.0/27

Left Out: 12.632 ± 49.242 χ^2/NDF : 7.5/24

Right Out: 20.982 ± 48.472 χ^2/NDF : 13.0/30

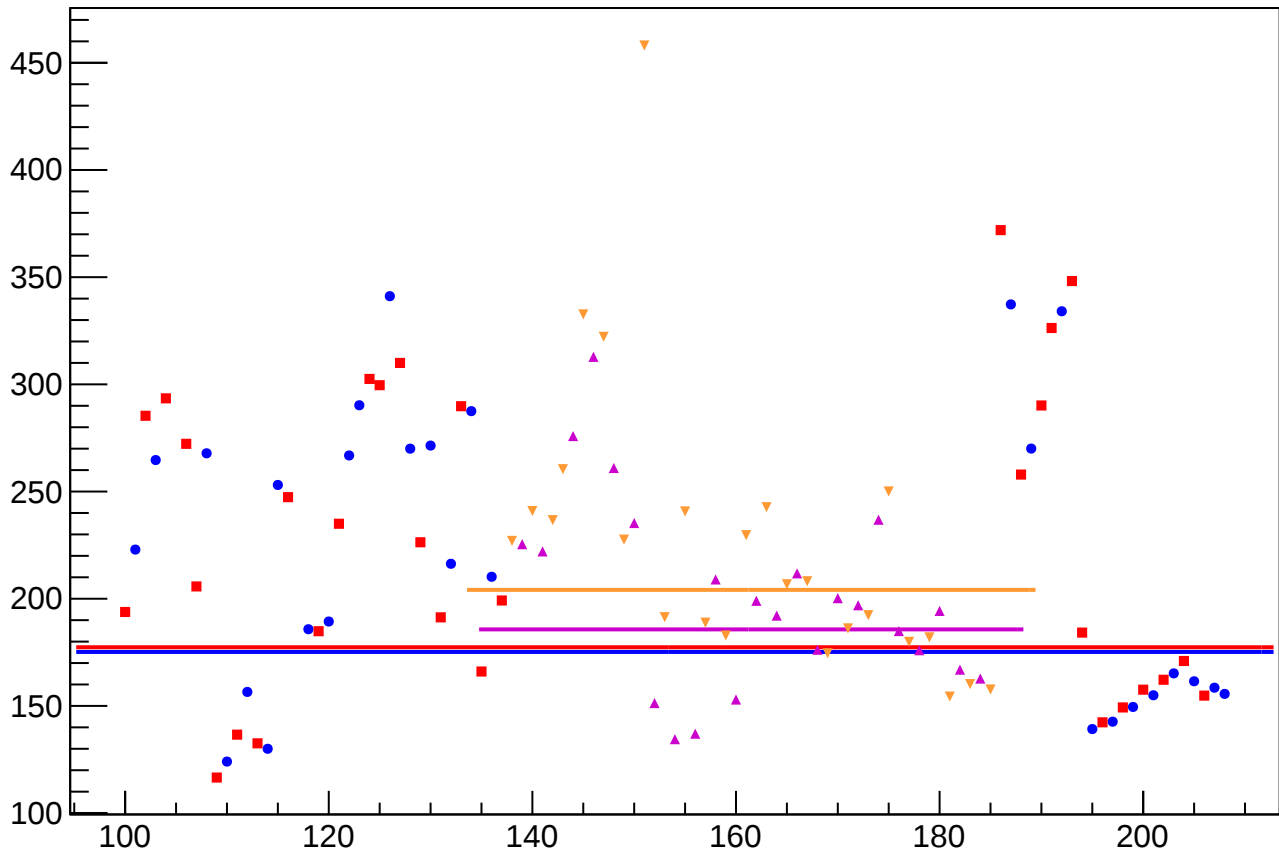
Left In: -37.460 ± 46.479 χ^2/NDF : 7.6/22

+ sign -23.373 ± 34.431 χ^2/NDF : 25.6/52

All: -16.239 ± 24.028 χ^2/NDF : 47.1/106

- sign -9.466 ± 33.548 χ^2/NDF : 21.4/53

asym_bcm_dg_us_rms vs Slug



Right In: 175.186 $\pm$ 0.034 χ^2 /NDF: 2009647.6/27

Left Out: 204.132 $\pm$ 0.035 χ^2 /NDF:1672287.6/24

Right Out: 177.366 $\pm$ 0.034 χ^2 /NDF: 2545766.2/30

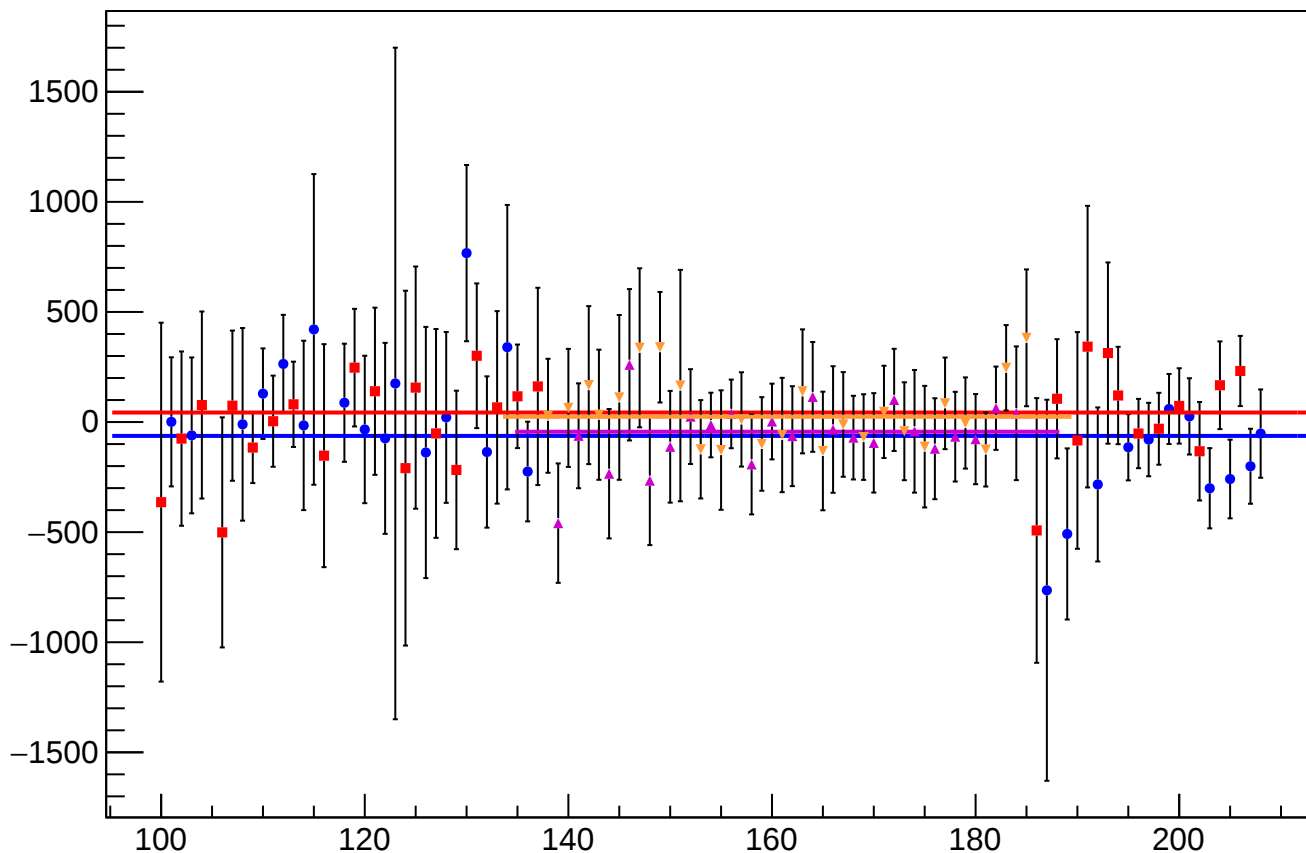
Left In: 185.694 $\pm$ 0.033 χ^2 /NDF:1447767.0/22

+ sign 189.338 $\pm$ 0.024 χ^2 /NDF: 4035127.8/52

All: 185.422 $\pm$ 0.017 χ^2 /NDF: 8109844.4/106

- sign 181.705 $\pm$ 0.024 χ^2 /NDF: 4024287.4/53

asym_bcm_dg_ds_mean vs Slug



Right In: -62.941 ± 47.554 χ^2/NDF : 16.1/27

Left Out: 23.843 ± 48.783 χ^2/NDF : 8.5/24

Right Out: 43.245 ± 47.698 χ^2/NDF : 9.5/30

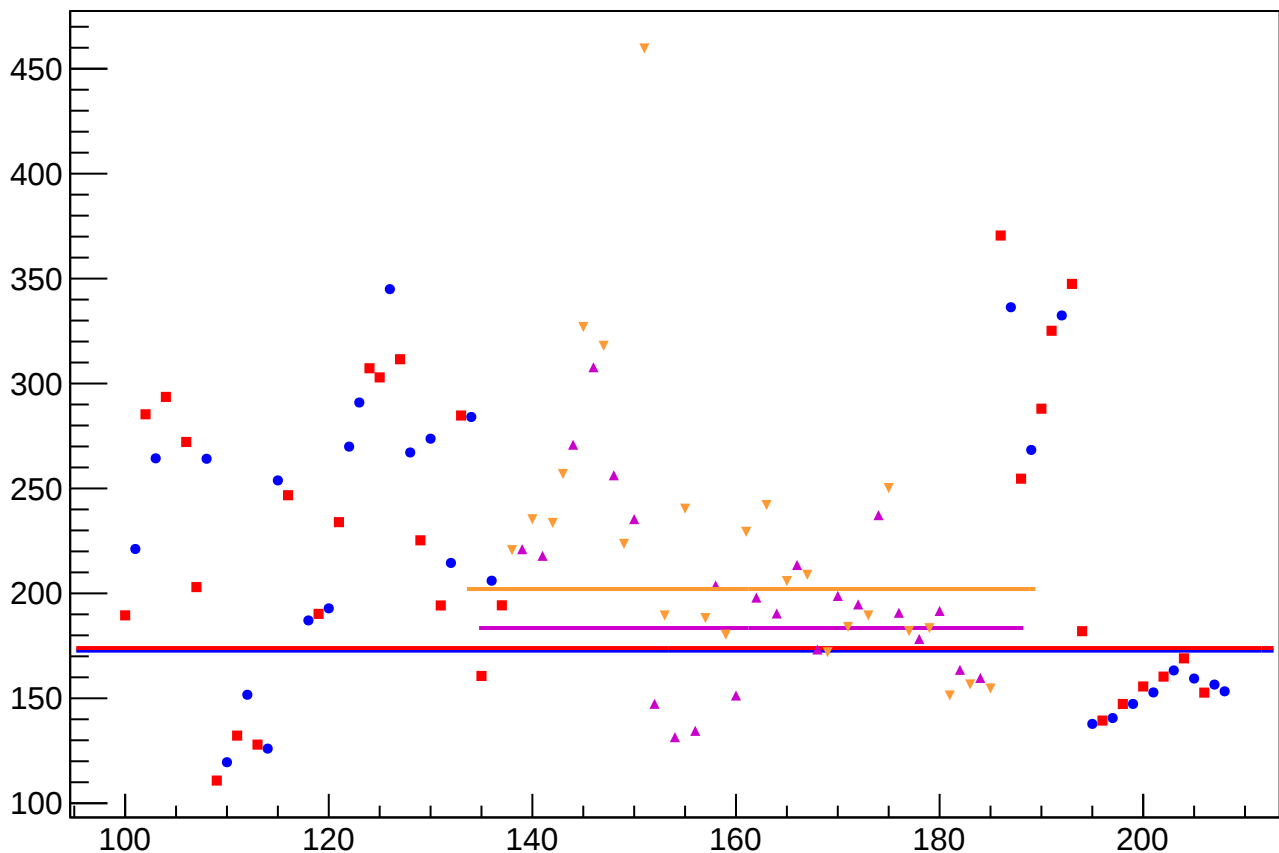
Left In: -43.978 ± 45.981 χ^2/NDF : 6.5/22

+ sign -20.656 ± 34.052 χ^2/NDF : 26.2/52

All: -11.047 ± 23.736 χ^2/NDF : 44.1/106

- sign -1.965 ± 33.104 χ^2/NDF : 17.7/53

asym_bcm_dg_ds_rms vs Slug



Right In: 172.707 $\pm$ 0.034 χ^2 /NDF: 2091388.2/27

Left Out: 202.081 $\pm$ 0.034 χ^2 /NDF:1692787.9/24

Right Out: 173.945 $\pm$ 0.034 χ^2 /NDF: 2708850.2/30

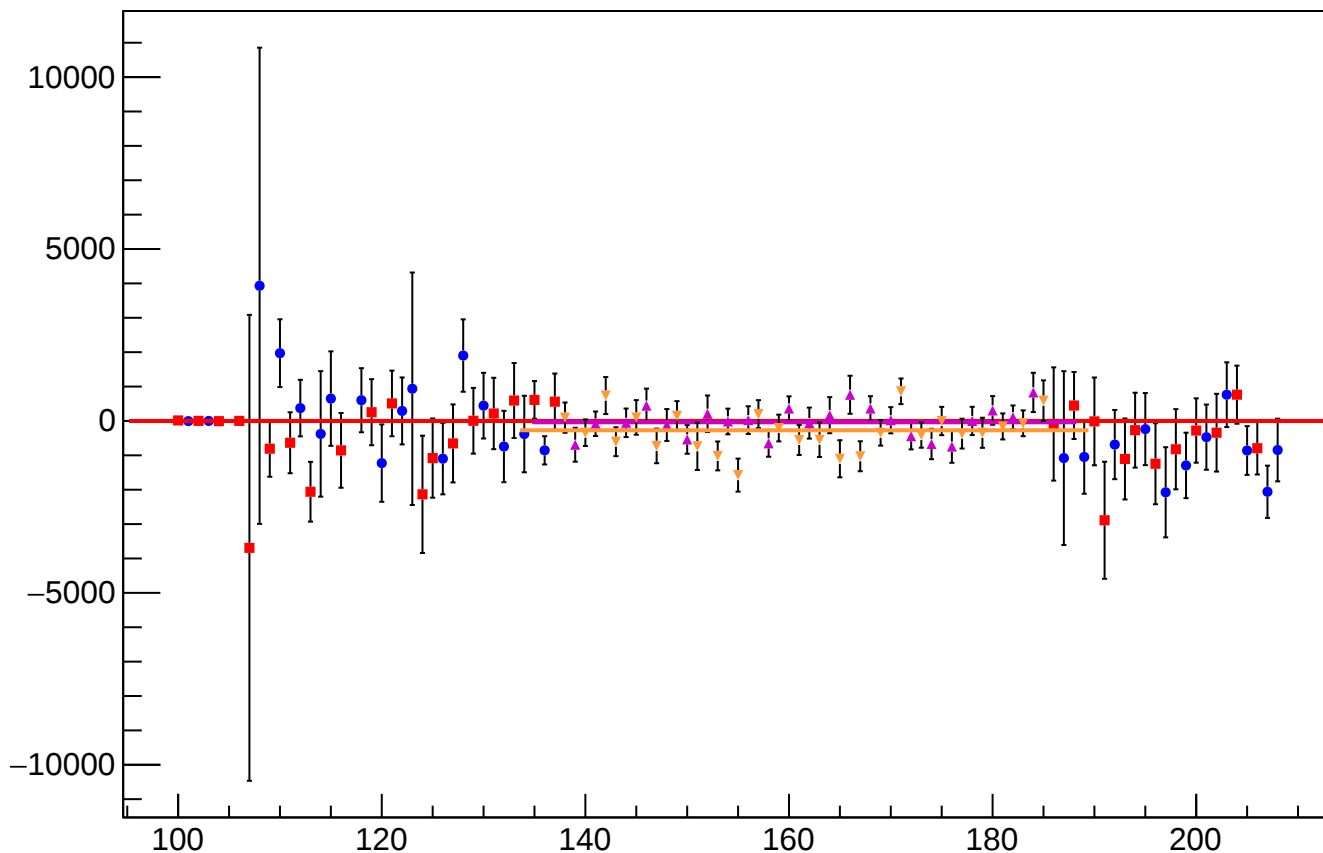
Left In: 183.498 $\pm$ 0.033 χ^2 /NDF:1483383.4/22

+ sign 187.019 $\pm$ 0.024 χ^2 /NDF: 4155989.6/52

All: 182.843 $\pm$ 0.017 χ^2 /NDF: 8448306.0/100

- sign 178.897 $\pm$ 0.023 χ^2 /NDF: 4233814.7/53

asym_cav4bQ_mean vs Slug



Right In: -1.583 ± 2.251 χ^2/NDF : 34.0/27

Left Out: -270.969 ± 86.967 χ^2/NDF : 38.1/24

Right Out: -0.743 ± 2.111 χ^2/NDF : 26.8/30

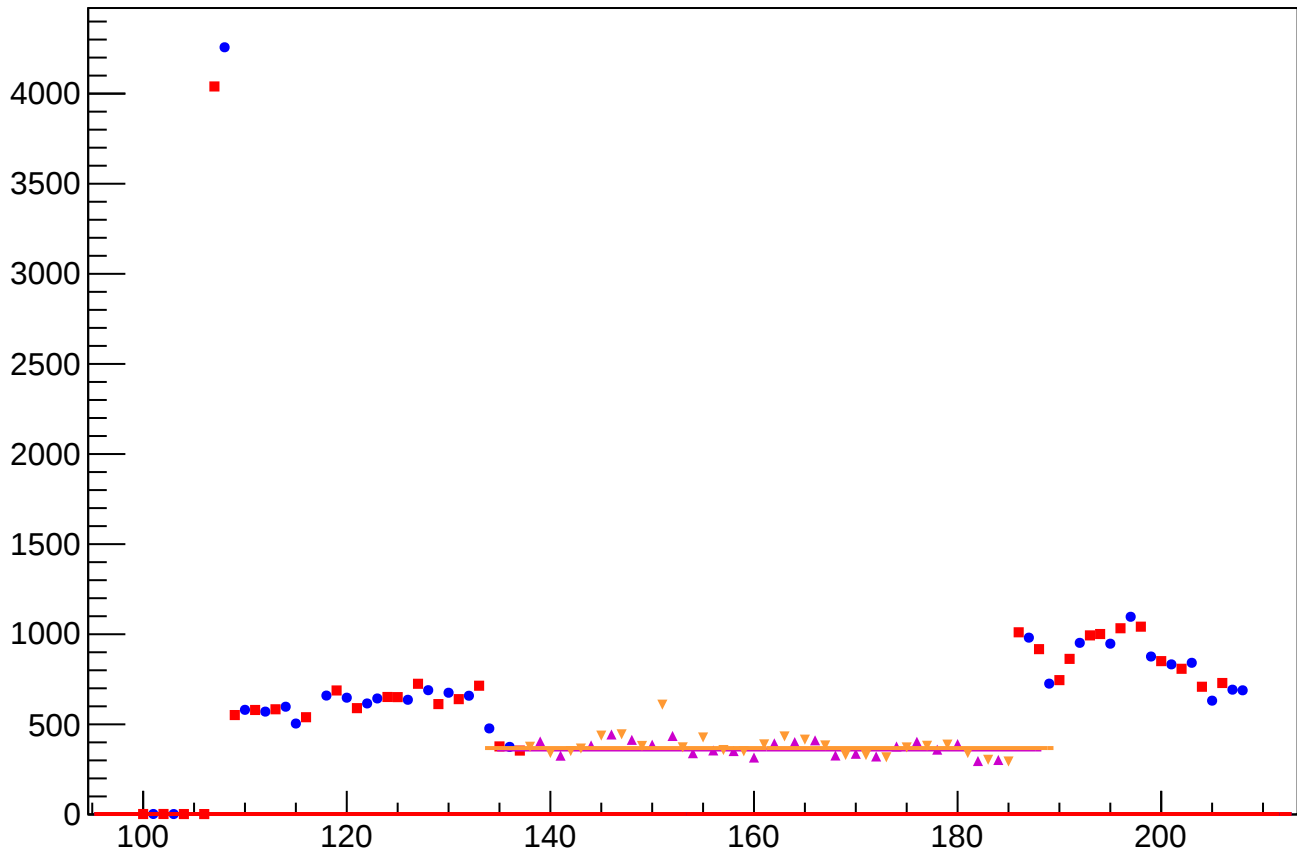
Left In: -39.078 ± 87.769 χ^2/NDF : 20.3/22

+ sign -1.763 ± 2.251 χ^2/NDF : 81.7/52

All: -1.232 ± 1.539 χ^2/NDF : 129.1/106

- sign -0.766 ± 2.110 χ^2/NDF : 47.3/53

asym_cav4bQ_rms vs Slug



Right In: 2.504 $\pm$ 0.002 χ^2 /NDF: 25985483.0/27

Left Out: 368.397 $\pm$ 0.061 χ^2 /NDF:622466.1/24

Right Out: 2.477 $\pm$ 0.001 χ^2 /NDF: 26886741.7/30

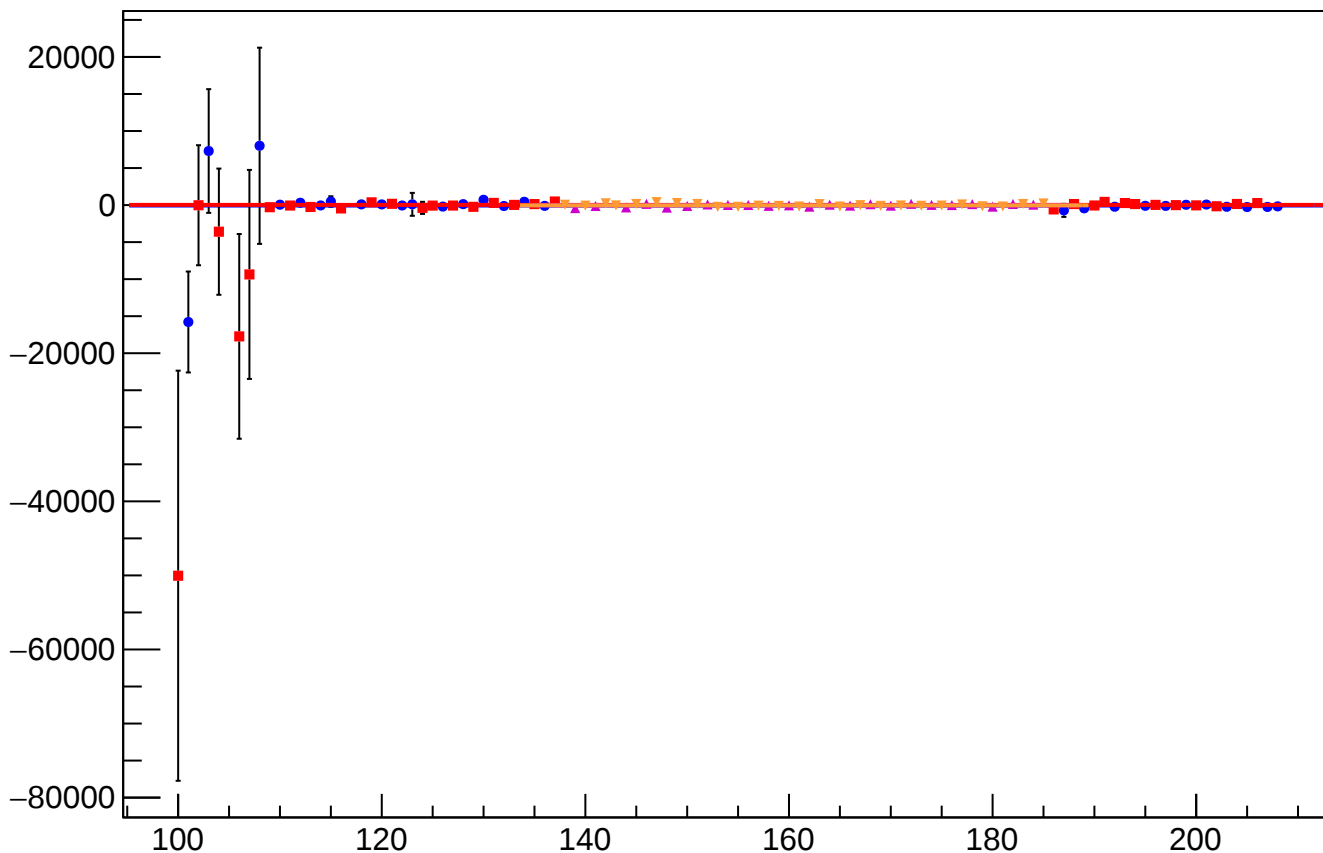
Left In: 360.408 $\pm$ 0.062 χ^2 /NDF:417739.4/22

+ sign 2.749 $\pm$ 0.002 χ^2 /NDF: 61986167.2/52

All: 2.714 $\pm$ 0.001 χ^2 /NDF: 122533916.3/106

- sign 2.684 $\pm$ 0.001 χ^2 /NDF: 60546856.9/53

asym_cav4cQ_mean vs Slug



Right In: -57.197 ± 52.064 χ^2/NDF : 20.9/27

Left Out: -38.013 ± 49.628 χ^2/NDF : 9.3/24

Right Out: 24.755 ± 53.276 χ^2/NDF : 19.9/30

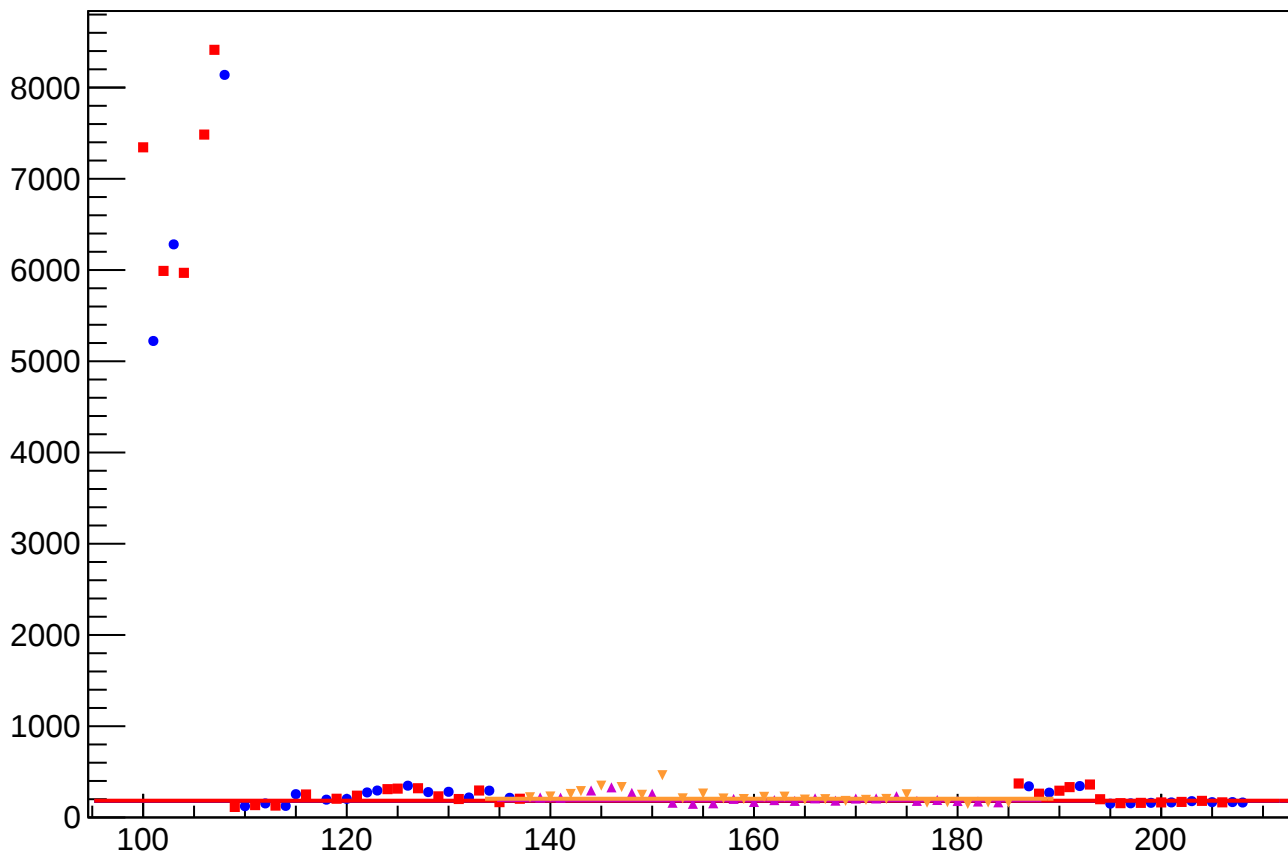
Left In: -28.205 ± 48.167 χ^2/NDF : 9.2/22

+ sign -47.146 ± 35.923 χ^2/NDF : 30.3/52

All: -25.650 ± 25.333 χ^2/NDF : 60.6/106

- sign -4.386 ± 35.729 χ^2/NDF : 29.7/53

asym_cav4cQ_rms vs Slug



Right In: 180.488 $\pm$ 0.037 χ^2 /NDF: 4520870.2/27

Left Out: 205.027 $\pm$ 0.035 χ^2 /NDF:1956045.1/24

Right Out: 183.449 $\pm$ 0.038 χ^2 /NDF: 5354205.6/30

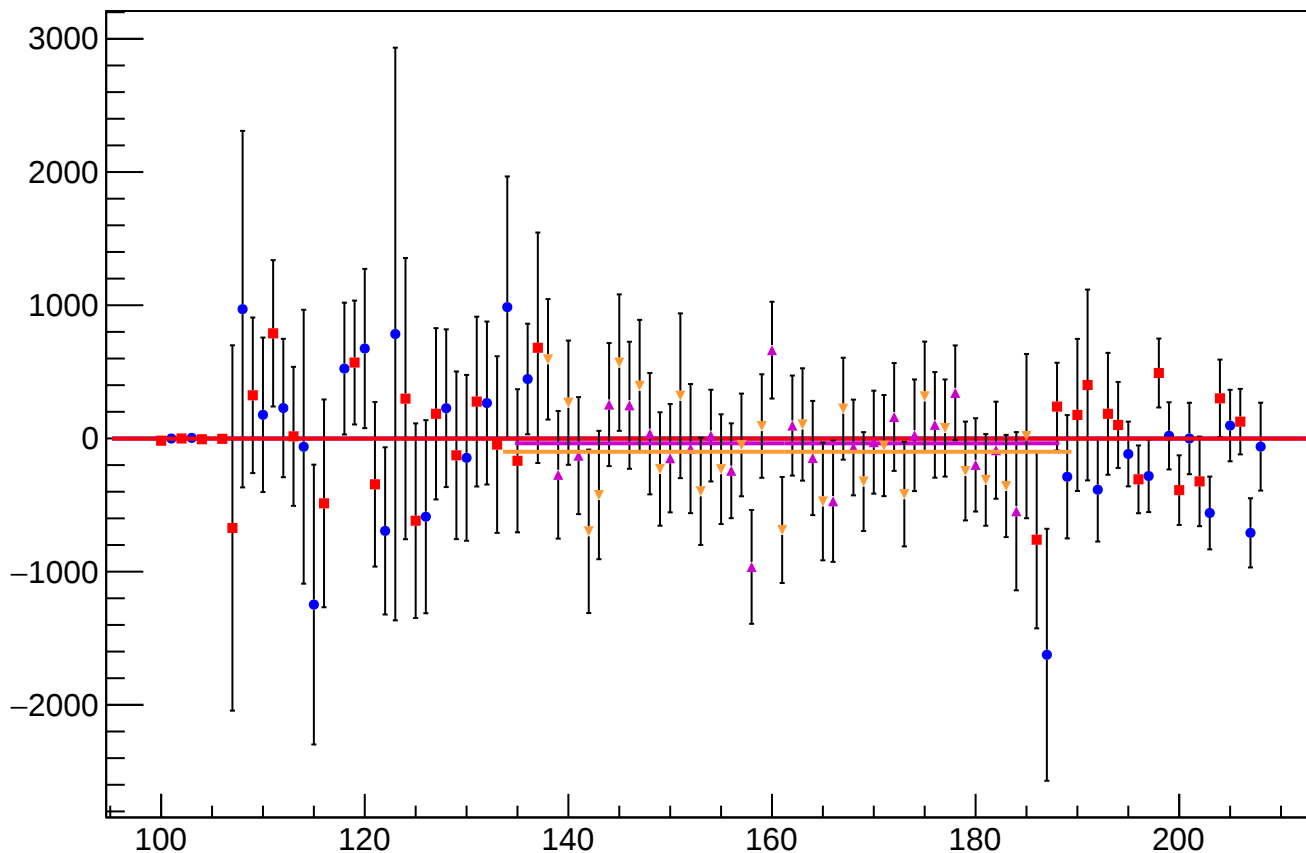
Left In: 193.405 $\pm$ 0.034 χ^2 /NDF:1172169.3/22

+ sign 193.345 $\pm$ 0.025 χ^2 /NDF: 6709693.9/52

All: 191.124 $\pm$ 0.018 χ^2 /NDF: 13289703.7/10

- sign 188.927 $\pm$ 0.025 χ^2 /NDF: 6564803.2/53

asym_cav4dQ_mean vs Slug



Right In: -0.225 ± 1.736 χ^2/NDF : 27.5/27

Left Out: -100.058 ± 84.190 χ^2/NDF : 15.7/24

Right Out: -1.313 ± 1.622 χ^2/NDF : 21.4/30

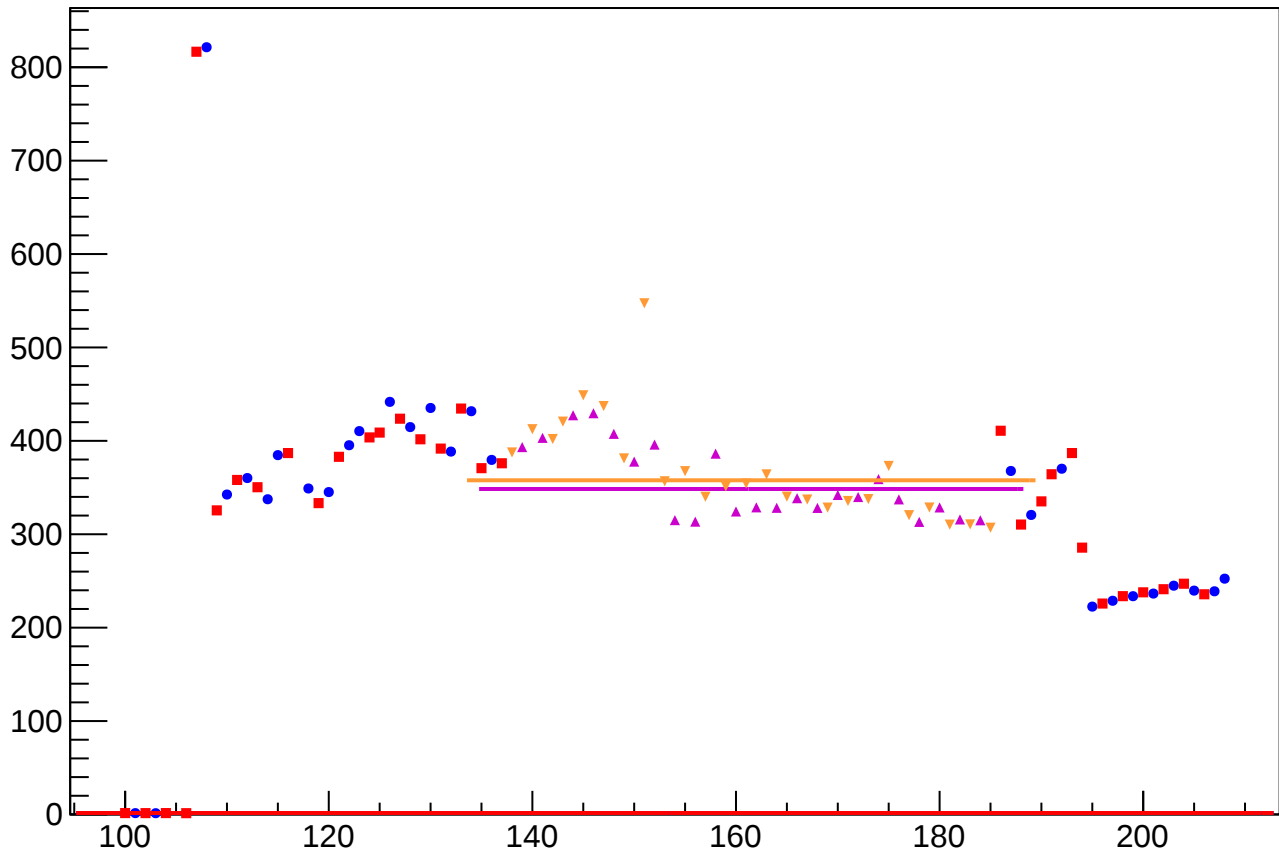
Left In: -36.497 ± 84.675 χ^2/NDF : 13.5/22

+ sign -0.268 ± 1.736 χ^2/NDF : 44.6/52

All: -0.833 ± 1.185 χ^2/NDF : 79.9/106

- sign -1.326 ± 1.622 χ^2/NDF : 35.1/53

asym_cav4dQ_rms vs Slug



Right In: 1.545 ± 0.001 $\chi^2/\text{NDF}: 26246408.7/27$

Left Out: 357.771 ± 0.060 $\chi^2/\text{NDF}: 547124.8/24$

Right Out: 1.528 ± 0.001 $\chi^2/\text{NDF}: 26582654.8/30$

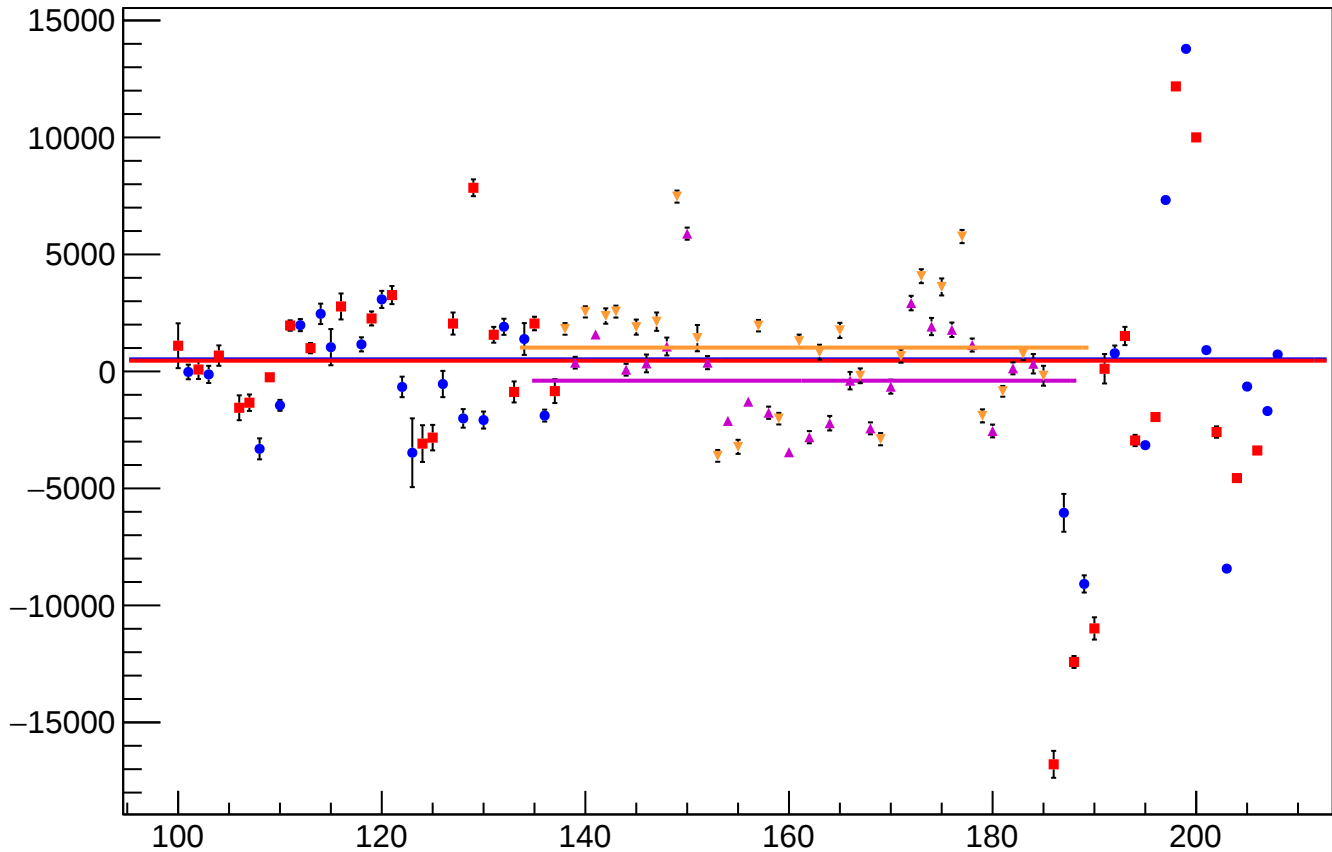
Left In: 348.464 ± 0.060 $\chi^2/\text{NDF}: 360425.7/22$

+ sign 1.696 ± 0.001 $\chi^2/\text{NDF}: 62584997.1/52$

All: 1.674 ± 0.001 $\chi^2/\text{NDF}: 123091255.6/106$

- sign 1.656 ± 0.001 $\chi^2/\text{NDF}: 60505678.8/53$

asym_bcm0l02_mean vs Slug



Right In: 515.644 $\pm$ 51.727 χ^2 /NDF: 10823.0/27

Left Out: 1018.965 $\pm$ 57.402 χ^2 /NDF:2310.1/24

Right Out: 458.566 $\pm$ 51.552 χ^2 /NDF: 13211.0/30

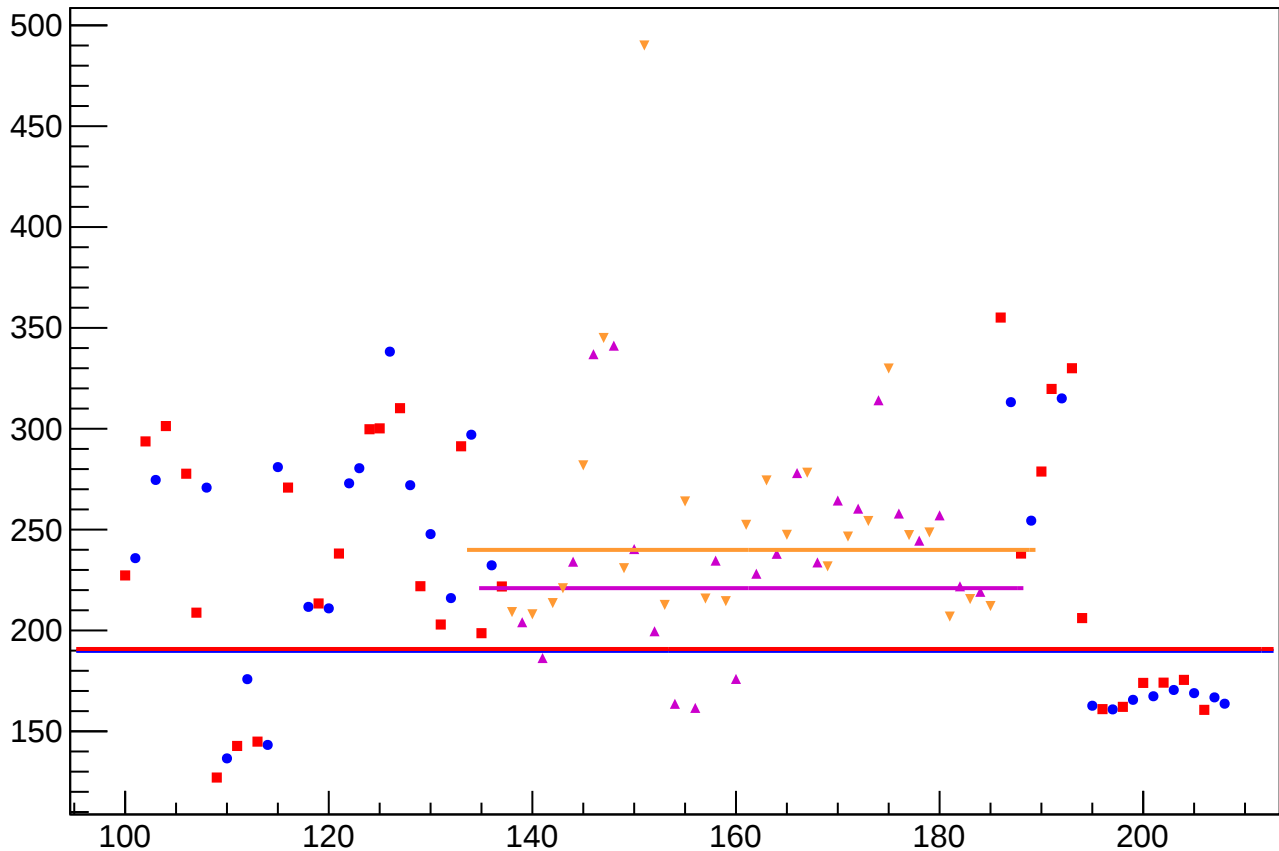
Left In: -396.609 $\pm$ 55.090 χ^2 /NDF:1581.0/22

+ sign 741.201 $\pm$ 38.427 χ^2 /NDF: 13175.5/52

All: 393.223 $\pm$ 26.890 χ^2 /NDF: 28256.7/106

- sign 59.324 $\pm$ 37.641 χ^2 /NDF: 14920.5/53

asym_bcm0l02_rms vs Slug



Right In: 189.871 $\pm$ 0.037 χ^2 /NDF: 1522306.8/27

Left Out: 239.942 $\pm$ 0.041 χ^2 /NDF:1000770.0/24

Right Out: 190.816 $\pm$ 0.036 χ^2 /NDF: 2050339.7/30

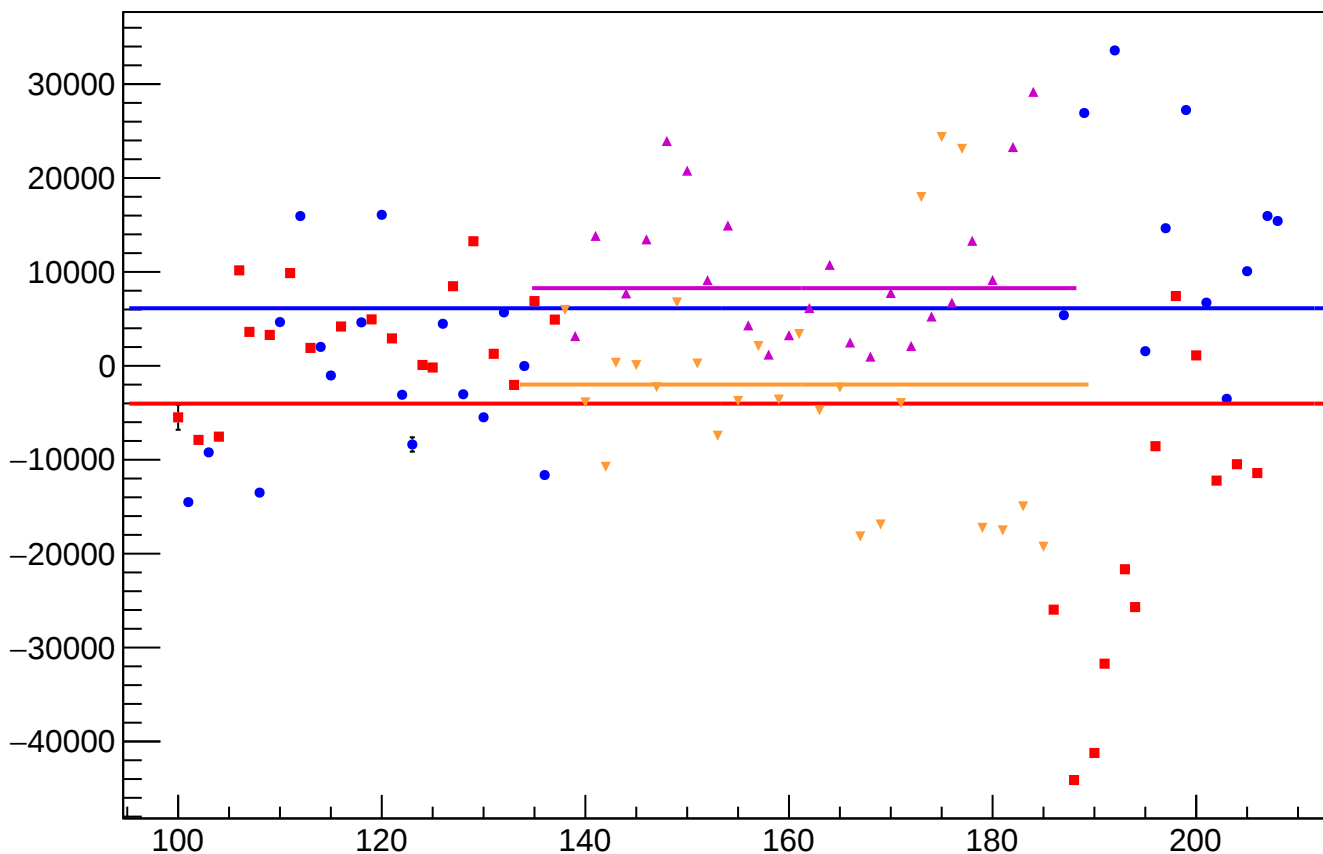
Left In: 220.972 $\pm$ 0.039 χ^2 /NDF:1327680.6/22

+ sign 212.309 $\pm$ 0.027 χ^2 /NDF: 3362881.4/52

All: 208.525 $\pm$ 0.019 χ^2 /NDF: 7098397.4/100

- sign 204.894 $\pm$ 0.027 χ^2 /NDF: 3697510.3/53

asym_bpm0i02WS_mean vs Slug



Right In: 6131.702 $\pm$ 42.020 χ^2 /NDF: 90632.2/27

Left Out: -1991.788 $\pm$ 42.427 χ^2 /NDF:63766.6/24

Right Out: -4023.041 $\pm$ 40.528 χ^2 /NDF: 134262.5/30

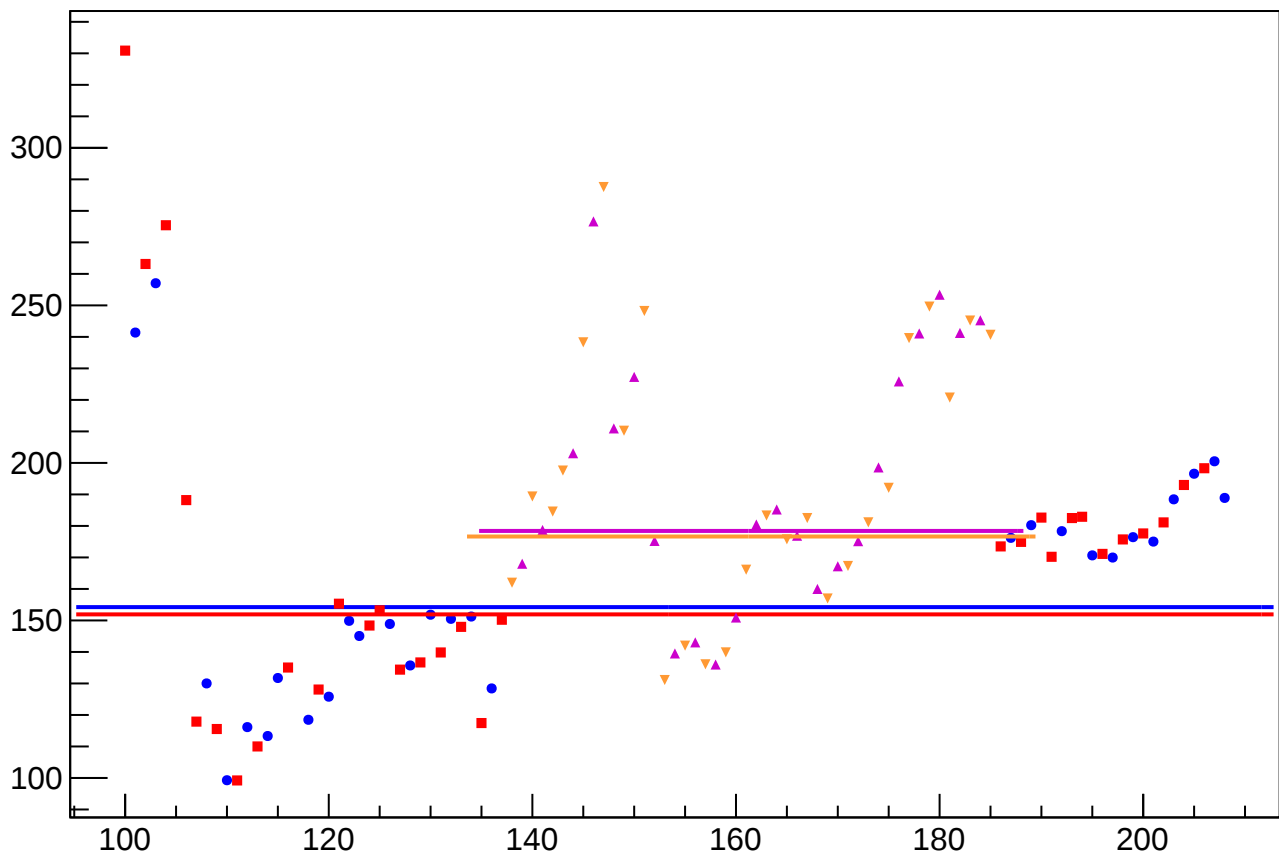
Left In: 8273.228 $\pm$ 44.301 χ^2 /NDF:22870.2/22

+ sign 2109.106 $\pm$ 29.855 χ^2 /NDF: 172906.0/52

All: 1844.567 $\pm$ 21.128 χ^2 /NDF: 372136.2/10

- sign 1579.190 $\pm$ 29.903 χ^2 /NDF: 199073.0/53

asym_bpm0i02WS_rms vs Slug



Right In: 154.232 $\pm$ 0.030 χ^2 /NDF: 1290550.5/27

Left Out: 176.641 $\pm$ 0.030 χ^2 /NDF:1551048.8/24

Right Out: 151.924 $\pm$ 0.029 χ^2 /NDF: 1530358.7/30

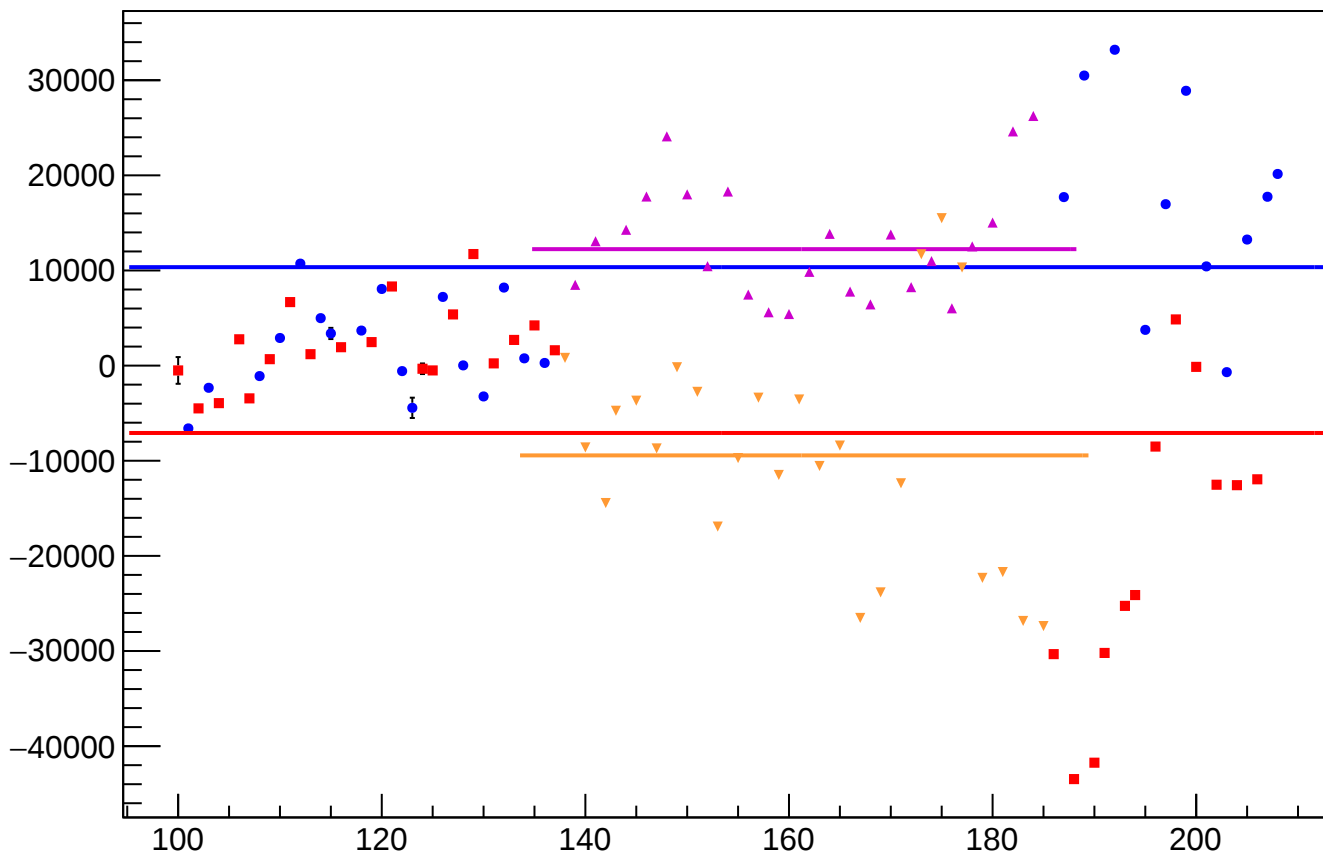
Left In: 178.413 $\pm$ 0.031 χ^2 /NDF:1293736.2/22

+ sign 165.328 $\pm$ 0.021 χ^2 /NDF: 3123259.6/52

All: 164.662 $\pm$ 0.015 χ^2 /NDF: 6338612.0/100

- sign 163.993 $\pm$ 0.021 χ^2 /NDF: 3213354.8/53

asym_bpm0i02aWS_mean vs Slug



Right In: 10349.784 $\pm$ 47.160 χ^2 /NDF: 52244.8/27

Left Out: -9437.408 $\pm$ 45.534 χ^2 /NDF:62220.4/24

Right Out: -7081.240 $\pm$ 45.710 χ^2 /NDF: 103613.1/30

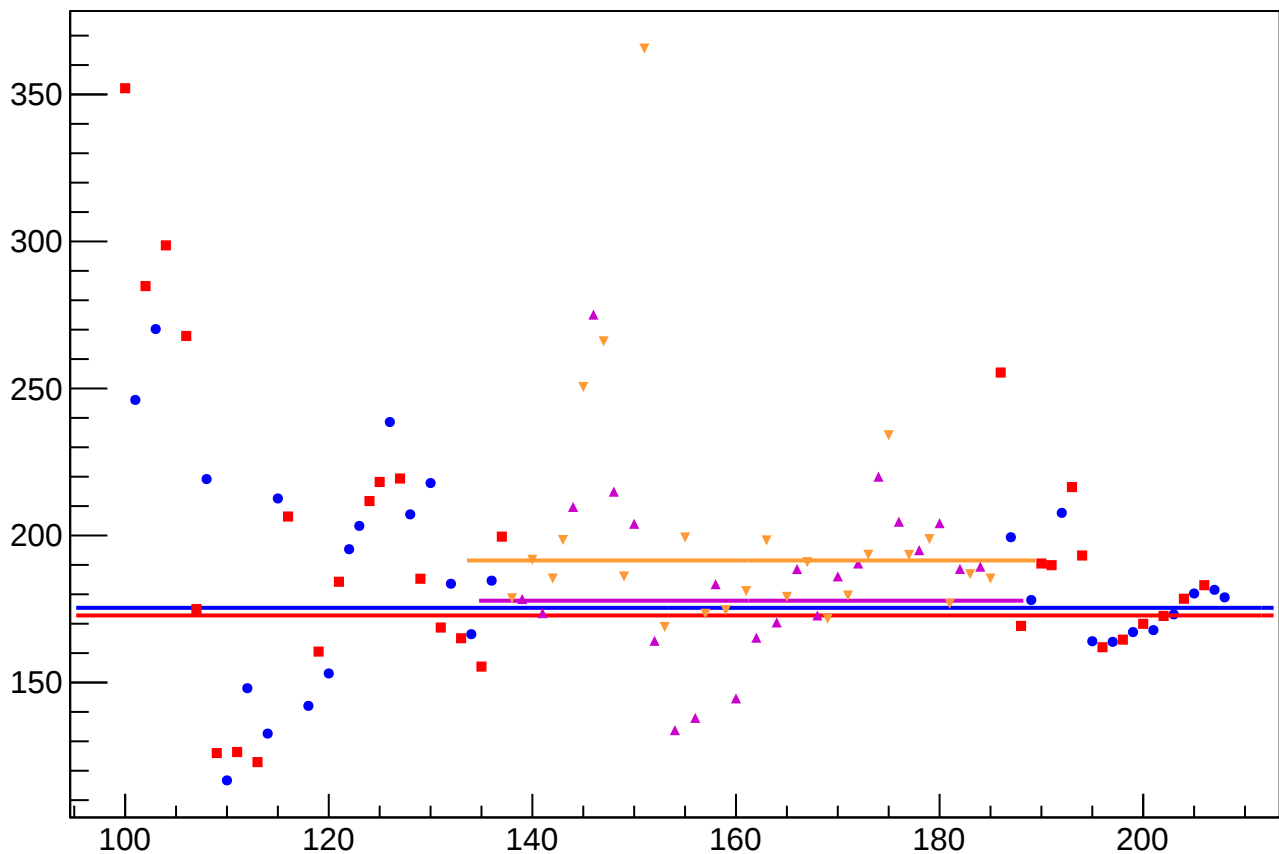
Left In: 12242.226 $\pm$ 43.944 χ^2 /NDF:16615.8/22

+ sign 109.340 $\pm$ 32.757 χ^2 /NDF: 205574.2/52

All: 1582.847 $\pm$ 22.772 χ^2 /NDF: 422590.8/10

- sign 2960.983 $\pm$ 31.679 χ^2 /NDF: 213100.7/53

asym_bpm0i02aWS_rms vs Slug



Right In: 175.401+/-0.033 χ^2/NDF : 762306.7/27

Left Out: 191.507+/-0.032 χ^2/NDF : 727251.6/24

Right Out: 172.808+/-0.032 χ^2/NDF : 1131650.6/30

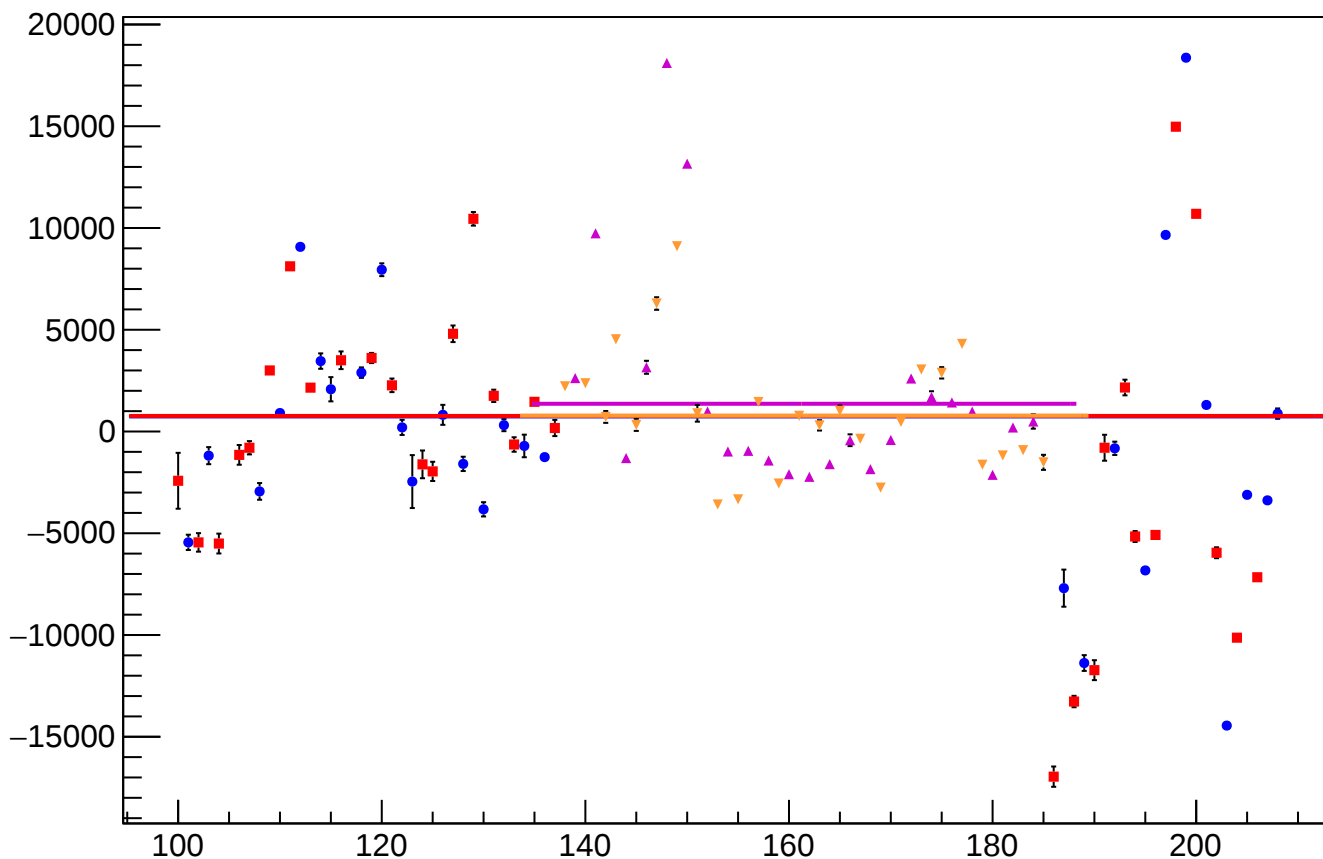
Left In: 177.821+/-0.031 χ^2/NDF : 862494.4/22

+ sign 183.736+/-0.023 χ^2/NDF : 1610281.0/52

All: 179.436+/-0.016 χ^2/NDF : 3683644.7/106

- sign 175.413+/-0.022 χ^2/NDF : 2006649.4/53

asym_bpm0i05WS_mean vs Slug



Right In: 740.666 $\pm$ 52.968 χ^2 /NDF: 20338.2/27

Left Out: 779.983 $\pm$ 47.457 χ^2 /NDF:4260.8/24

Right Out: 765.096 $\pm$ 51.727 χ^2 /NDF: 20346.1/30

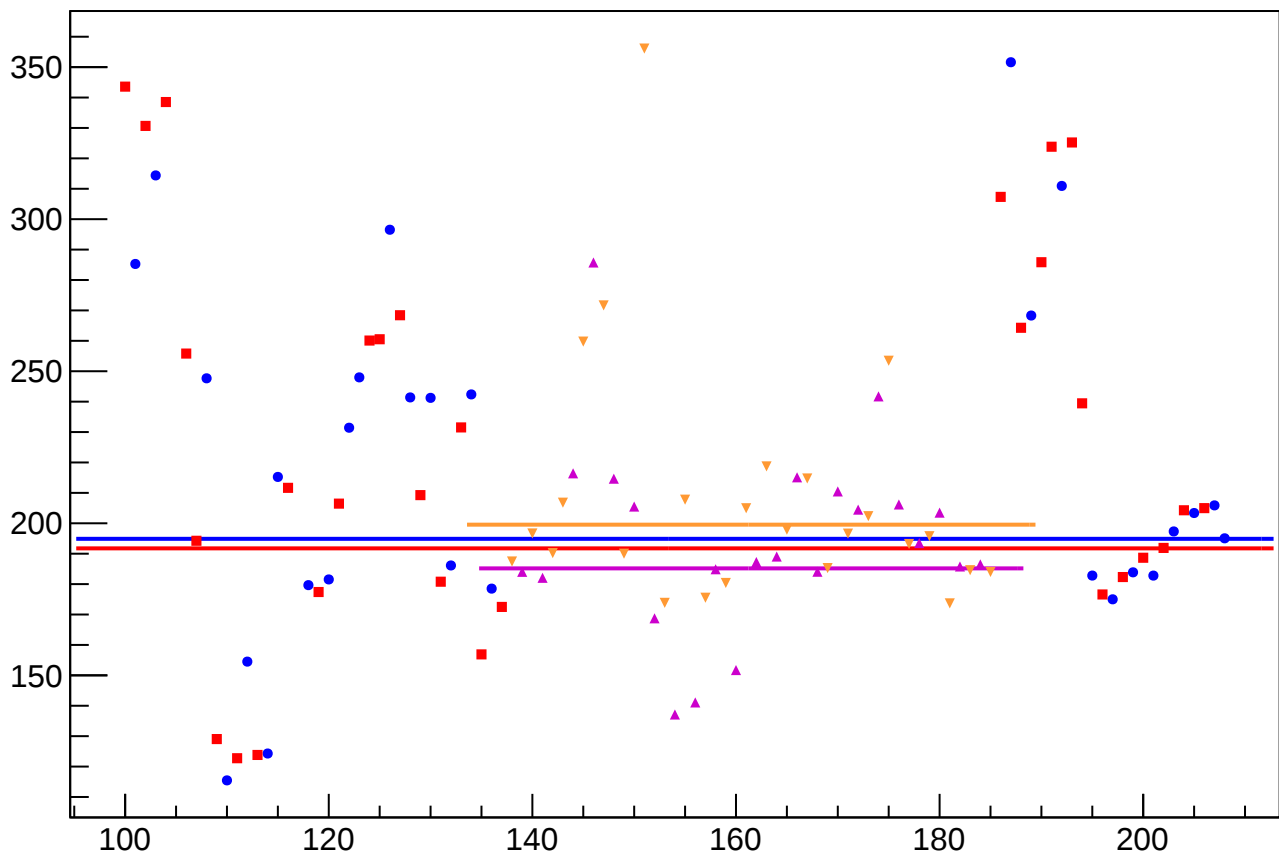
Left In: 1363.043 $\pm$ 45.807 χ^2 /NDF:11632.9/22

+ sign 762.475 $\pm$ 35.346 χ^2 /NDF: 24599.2/52

All: 936.457 $\pm$ 24.613 χ^2 /NDF: 56700.1/106

- sign 1100.234 $\pm$ 34.293 χ^2 /NDF: 32053.8/53

asym_bpm0i05WS_rms vs Slug



Right In: 194.893 ± 0.037 χ^2/NDF : 1415382.7/27

Left Out: 199.547 ± 0.034 χ^2/NDF : 729356.3/24

Right Out: 191.752 ± 0.037 χ^2/NDF : 2142233.6/30

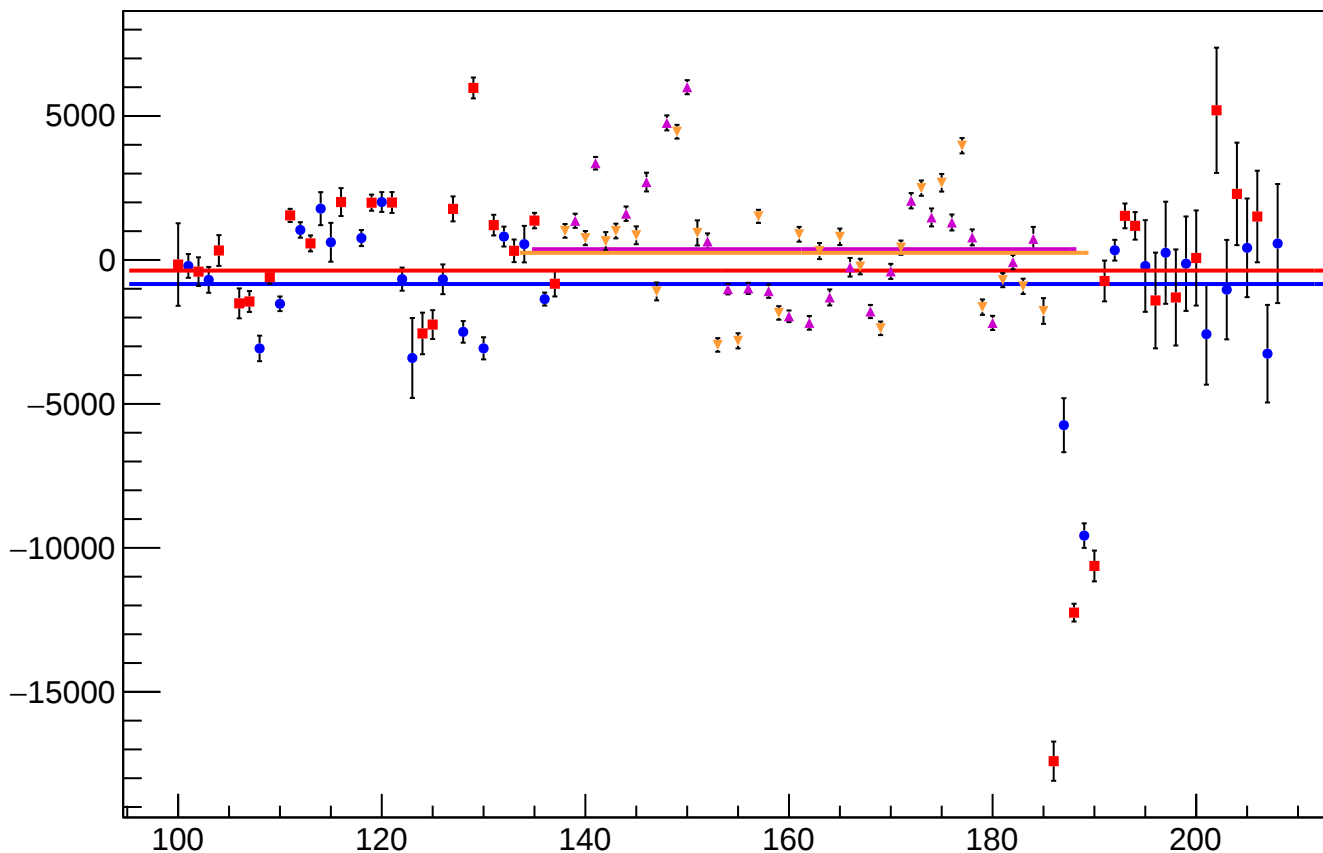
Left In: 185.171 ± 0.032 χ^2/NDF : 882752.2/22

+ sign 197.474 ± 0.025 χ^2/NDF : 2153304.1/52

All: 192.627 ± 0.017 χ^2/NDF : 5269472.7/106

- sign 188.063 ± 0.024 χ^2/NDF : 3043134.3/53

asym_bpm0i07WS_mean vs Slug



Right In: -835.946 ± 83.372 χ^2/NDF : 764.2/27

Left Out: 247.844 ± 53.555 χ^2/NDF : 1355.1/24

Right Out: -368.996 ± 74.990 χ^2/NDF : 3172.8/30

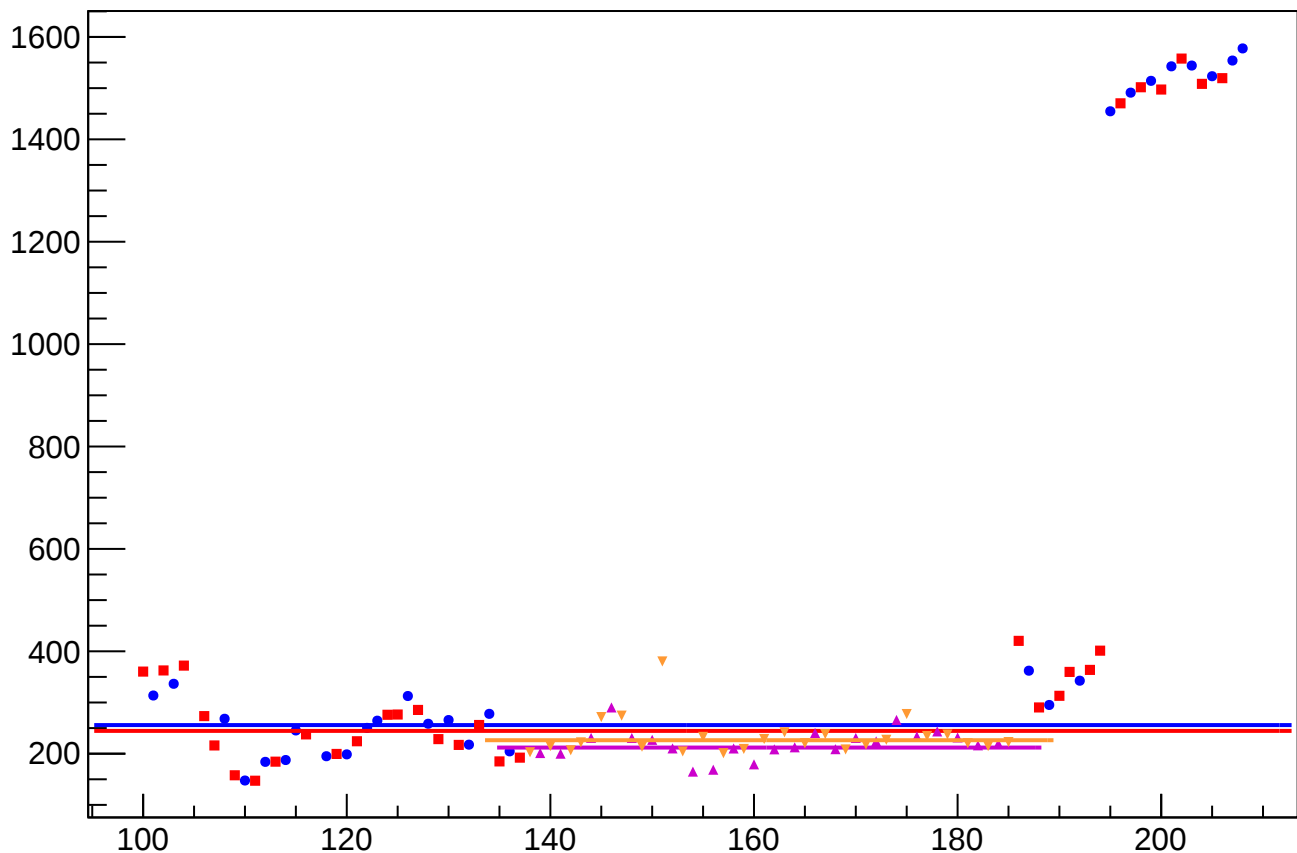
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -68.730 ± 45.059 χ^2/NDF : 2238.9/52

All: 37.163 ± 31.016 χ^2/NDF : 7289.5/106

- sign 132.517 ± 42.759 χ^2/NDF : 5040.1/53

asym_bpm0i07WS_rms vs Slug



Right In: 255.878+/-0.059 χ^2/NDF : 9660935.2/27

Left Out: 226.322+/-0.038 χ^2/NDF : 521041.8/24

Right Out: 244.547+/-0.053 χ^2/NDF : 8269831.4/30

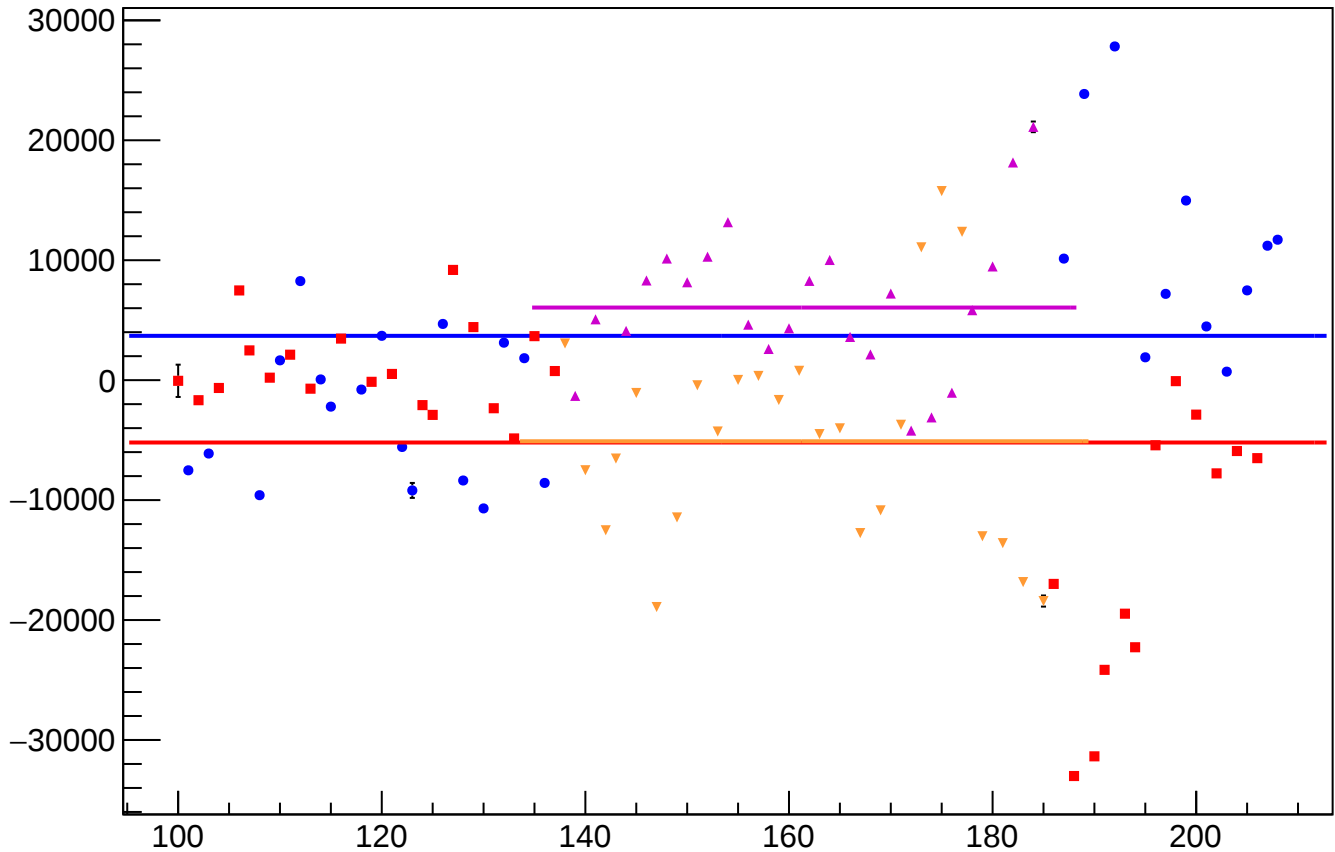
Left In: 211.970+/-0.037 χ^2/NDF : 584344.5/22

+ sign 234.955+/-0.032 χ^2/NDF : 10359912.7/52

All: 228.434+/-0.022 χ^2/NDF : 19548421.6/10

- sign 222.562+/-0.030 χ^2/NDF : 9108895.3/53

asym_bpm1i02WS_mean vs Slug



Right In: 3694.951 ± 35.717 $\chi^2/\text{NDF}: 77238.0/27$

Left Out: -5095.305 ± 33.703 $\chi^2/\text{NDF}: 54395.4/24$

Right Out: -5198.497 ± 34.151 $\chi^2/\text{NDF}: 101070.7/30$

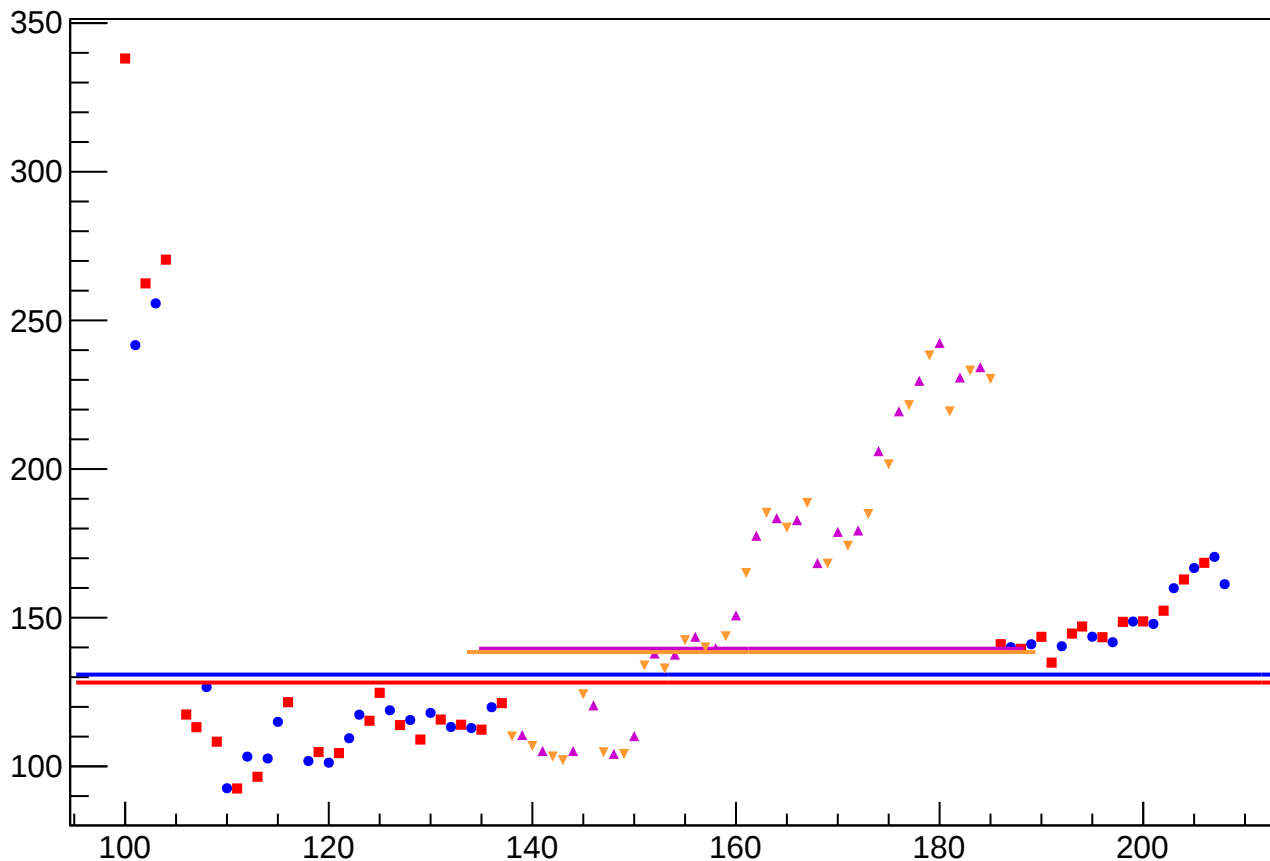
Left In: 6053.569 ± 34.998 $\chi^2/\text{NDF}: 17590.3/22$

+ sign -954.957 ± 24.513 $\chi^2/\text{NDF}: 163673.1/52$

All: -330.796 ± 17.308 $\chi^2/\text{NDF}: 336575.5/10$

- sign 289.783 ± 24.443 $\chi^2/\text{NDF}: 171609.4/53$

asym_bpm1i02WS_rms vs Slug



Right In: 130.866+/-0.025 χ^2/NDF : 1286966.5/27

Left Out: 138.436+/-0.024 χ^2/NDF : 2549435.8/24

Right Out: 128.185+/-0.024 χ^2/NDF : 1360974.7/30

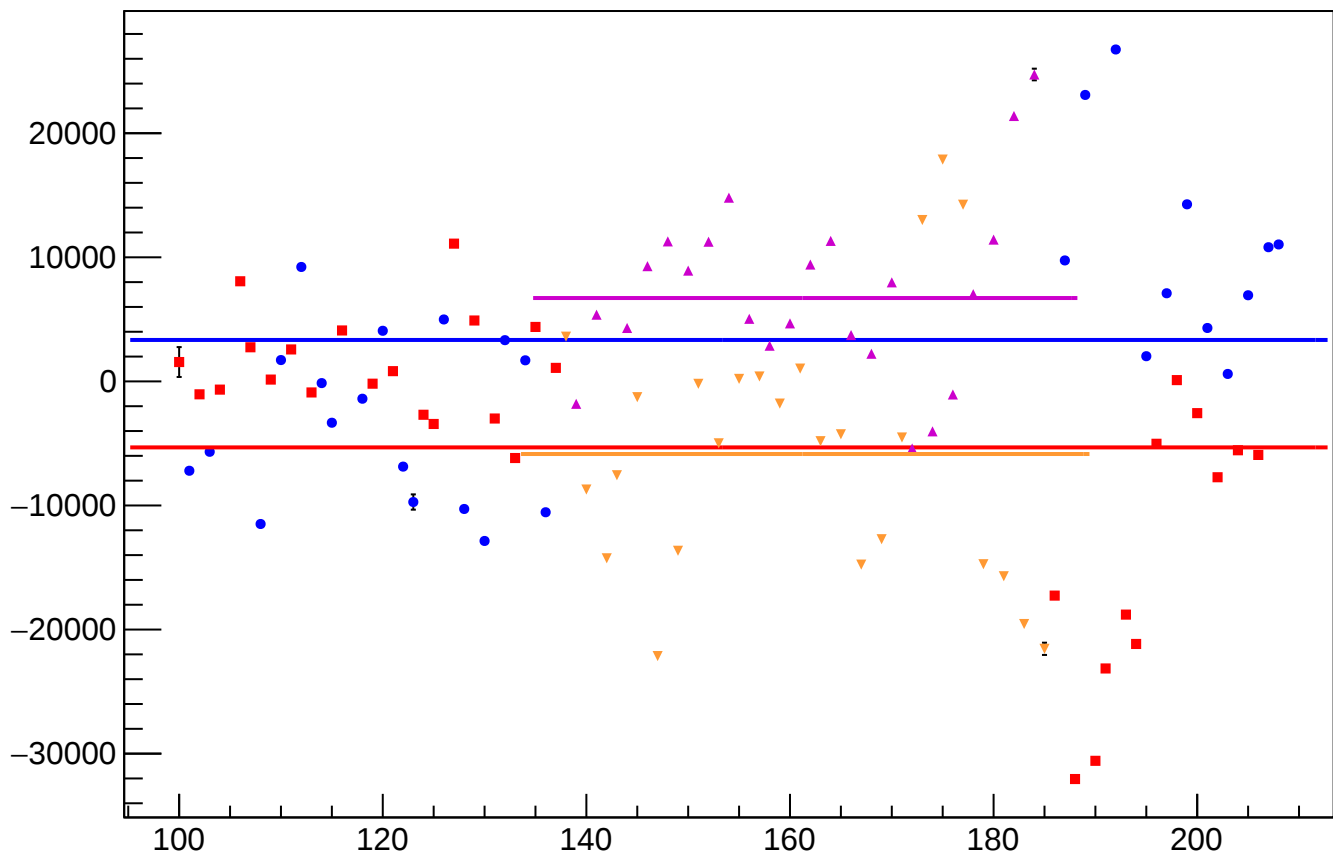
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 134.870+/-0.017 χ^2/NDF : 3883925.4/52

All: 134.304+/-0.012 χ^2/NDF : 7769241.4/100

- sign 133.742+/-0.017 χ^2/NDF : 3883191.9/53

asym_bpm2i01WS_mean vs Slug



Right In: 3338.979 ± 35.795 $\chi^2/\text{NDF}: 82360.4/27$

Left Out: -5852.544 ± 35.880 $\chi^2/\text{NDF}: 63411.4/24$

Right Out: -5319.756 ± 34.400 $\chi^2/\text{NDF}: 101535.1/30$

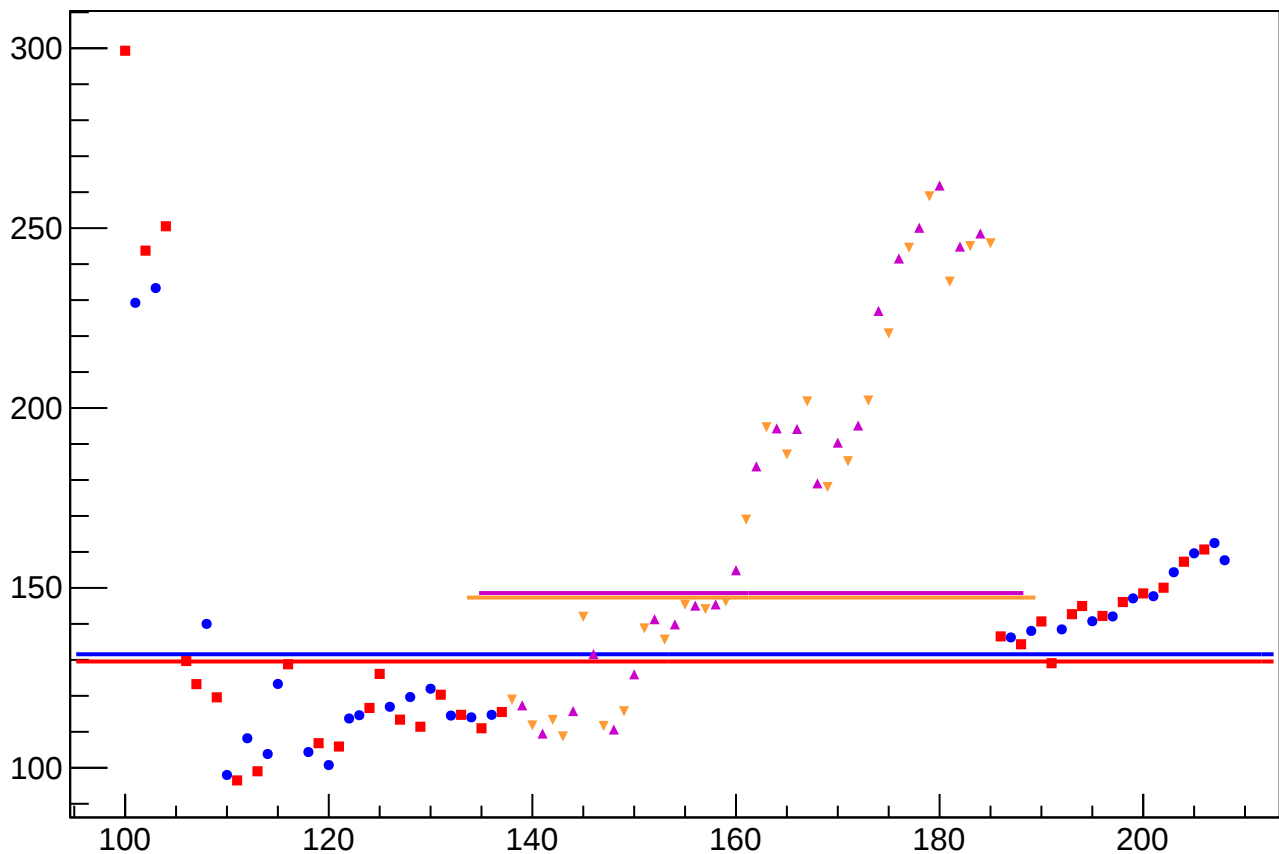
Left In: 6718.475 ± 37.276 $\chi^2/\text{NDF}: 20934.3/22$

+ sign -1245.911 ± 25.341 $\chi^2/\text{NDF}: 178662.5/52$

All: -512.626 ± 17.897 $\chi^2/\text{NDF}: 359129.5/10$

- sign 217.141 ± 25.280 $\chi^2/\text{NDF}: 178796.3/53$

asym_bpm2i01WS_rms vs Slug



Right In: 131.557+/-0.025 χ^2/NDF : 1026117.6/27

Left Out: 147.317+/-0.025 χ^2/NDF : 2511679.9/24

Right Out: 129.550+/-0.024 χ^2/NDF : 1070054.2/30

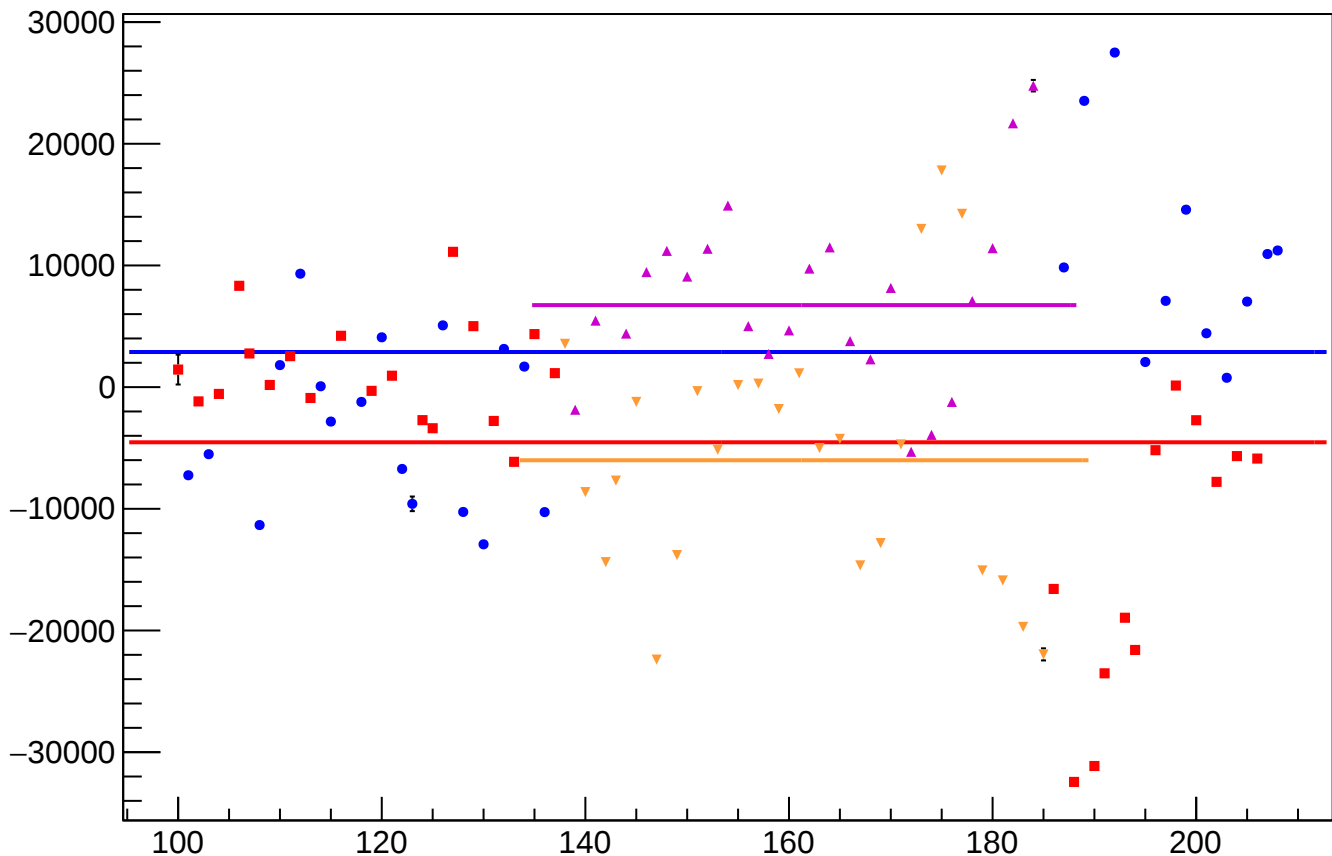
Left In: 148.569+/-0.026 χ^2/NDF : 2393185.0/22

+ sign 139.419+/-0.018 χ^2/NDF : 3731182.8/52

All: 138.857+/-0.013 χ^2/NDF : 7477555.1/106

- sign 138.297+/-0.018 χ^2/NDF : 3744410.0/53

asym_bpm2i02WS_mean vs Slug



Right In: 2886.254+/-35.554 χ^2/NDF : 81899.0/27

Left Out: -6009.913+/-35.082 χ^2/NDF : 67852.2/24

Right Out: -4532.676+/-34.203 χ^2/NDF : 96212.3/30

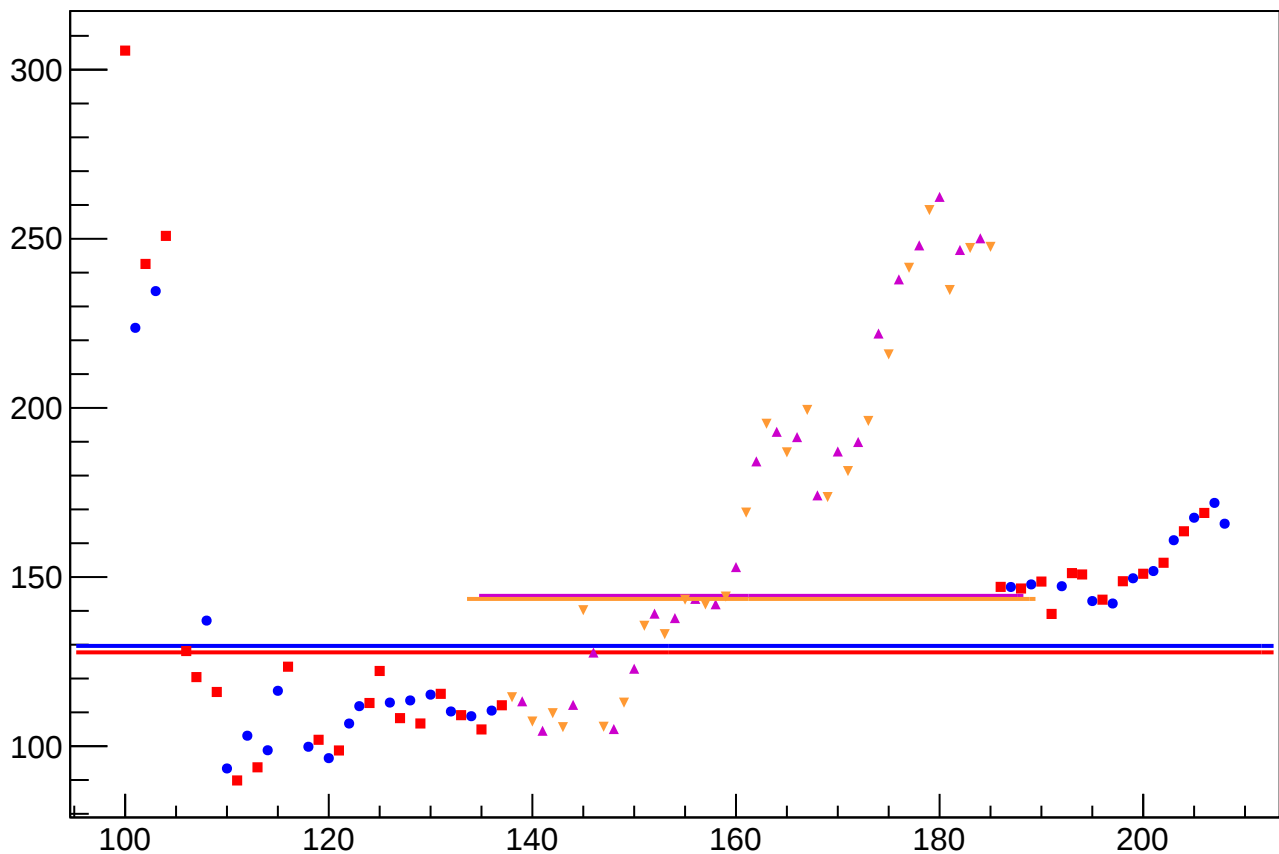
Left In: 6740.666+/-36.379 χ^2/NDF : 22071.8/22

+ sign -1621.283+/-24.972 χ^2/NDF : 181472.8/52

All: -429.781+/-17.639 χ^2/NDF : 355272.8/10

- sign 756.639+/-24.919 χ^2/NDF : 169256.6/53

asym_bpm2i02WS_rms vs Slug



Right In: 129.644+/-0.025 χ^2/NDF : 1371623.7/27

Left Out: 143.531+/-0.025 χ^2/NDF : 2704790.3/24

Right Out: 127.733+/-0.024 χ^2/NDF : 1465045.1/30

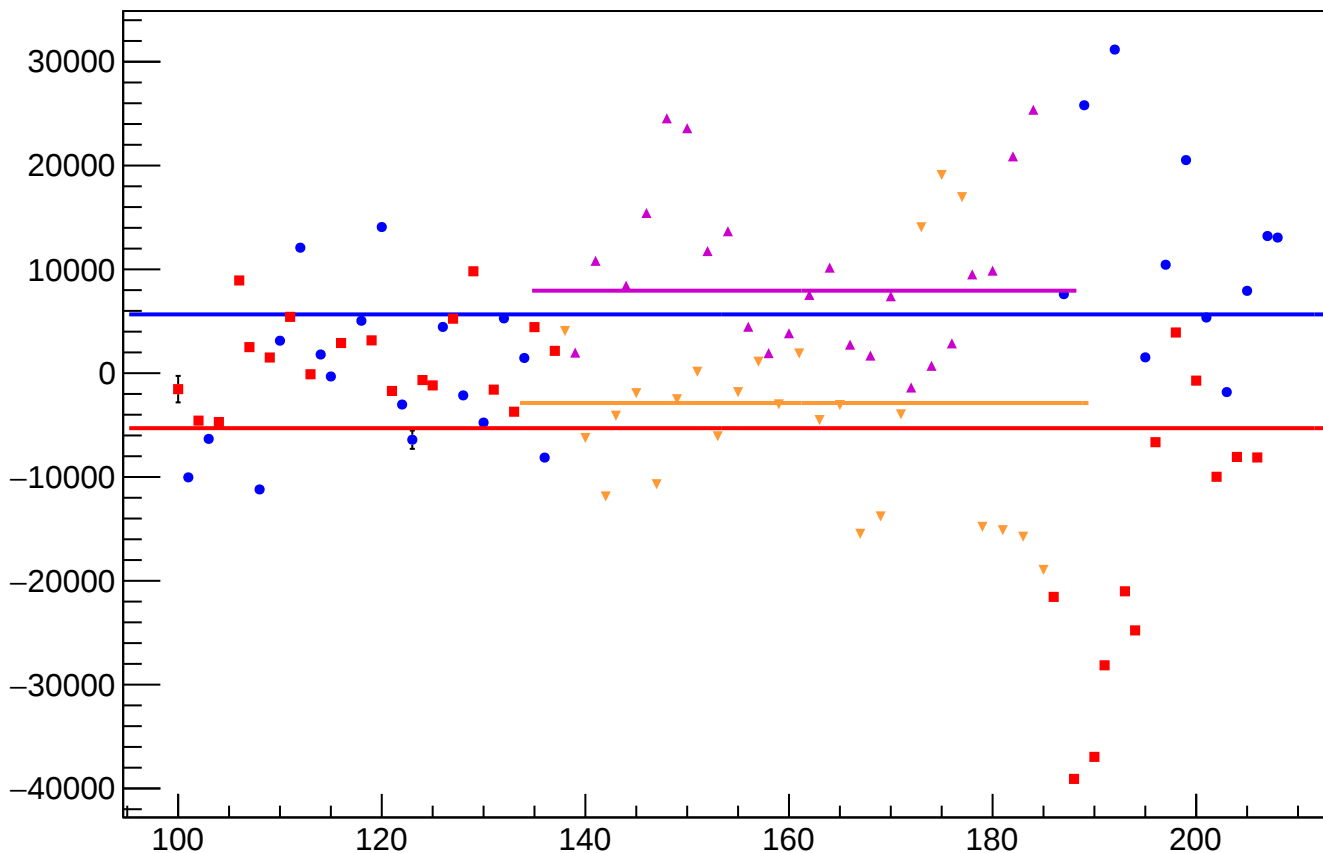
Left In: 144.440+/-0.026 χ^2/NDF : 2586926.1/22

+ sign 136.680+/-0.018 χ^2/NDF : 4231004.9/52

All: 136.125+/-0.012 χ^2/NDF : 8508838.0/100

- sign 135.572+/-0.018 χ^2/NDF : 4275858.8/53

asym_bpm0i01WS_mean vs Slug



Right In: 5662.602+/-43.014 χ^2/NDF : 61937.5/27

Left Out: -2870.473+/-39.482 χ^2/NDF : 46420.3/24

Right Out: -5296.165+/-41.388 χ^2/NDF : 95553.1/30

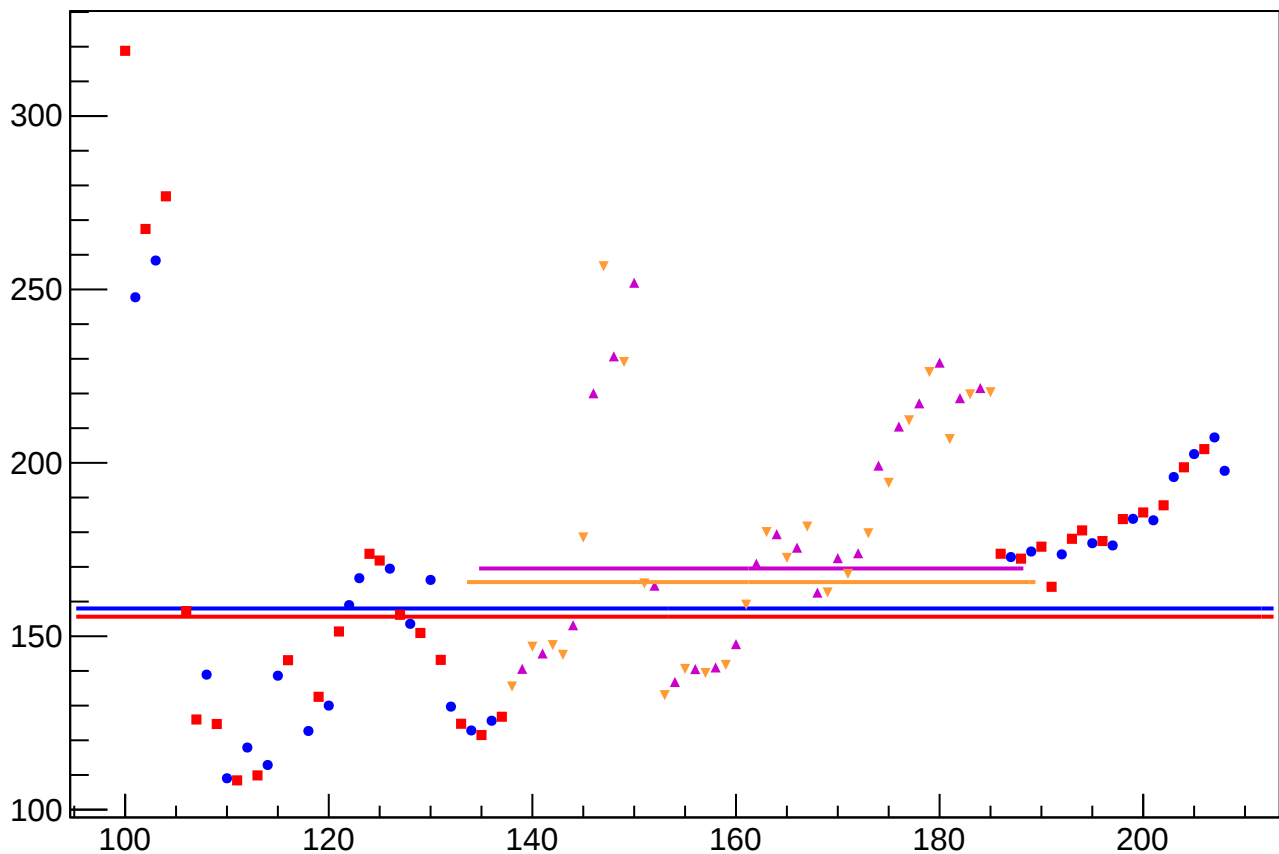
Left In: 7947.160+/-41.726 χ^2/NDF : 23874.5/22

+ sign 1031.373+/-29.087 χ^2/NDF : 129716.4/52

All: 1150.276+/-20.672 χ^2/NDF : 299955.8/10

- sign 1271.622+/-29.384 χ^2/NDF : 170205.6/53

asym_bpm0i01WS_rms vs Slug



Right In: 158.011+/-0.030 χ^2/NDF : 1310132.6/27

Left Out: 165.616+/-0.028 χ^2/NDF :1144779.3/24

Right Out: 155.641+/-0.029 χ^2/NDF : 1389697.6/30

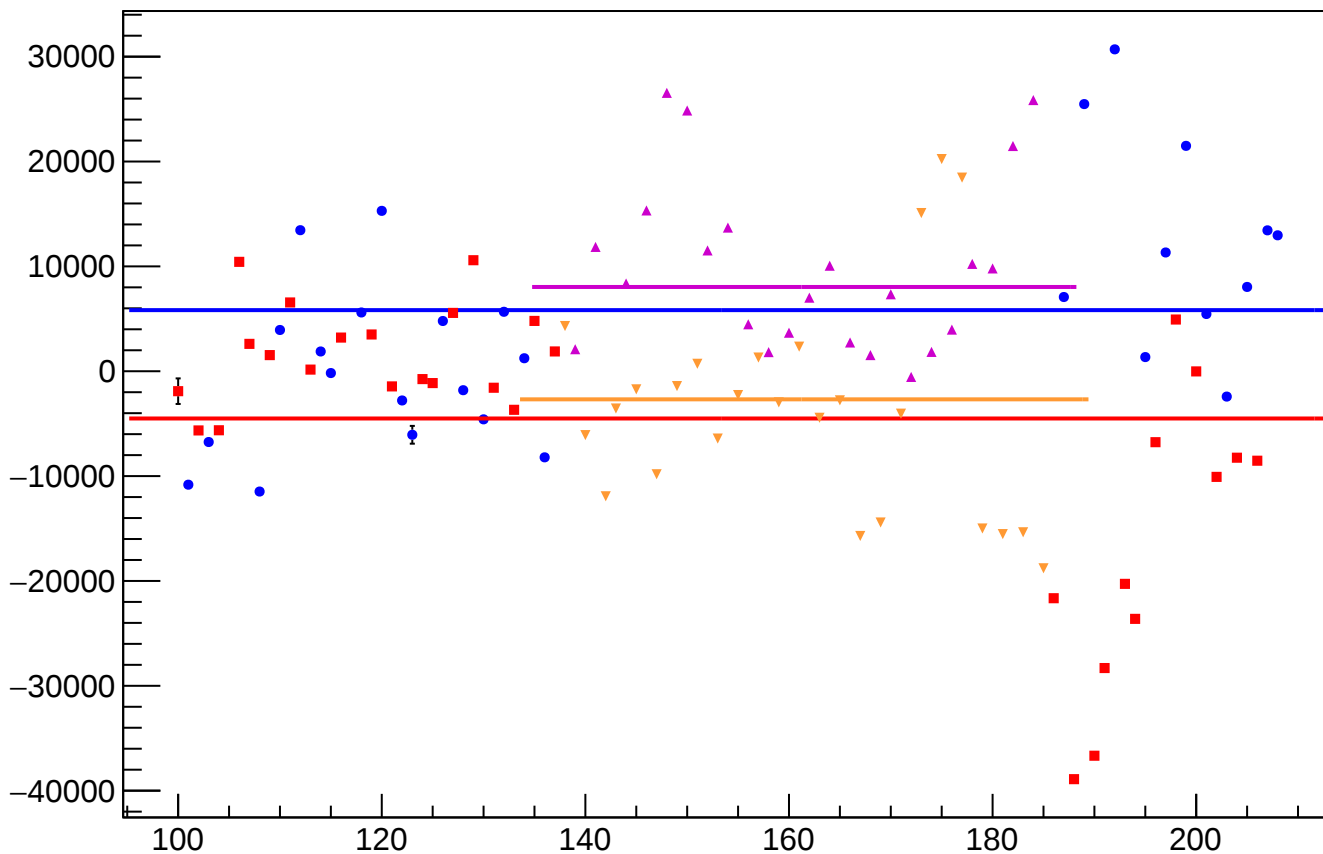
Left In: 169.542+/-0.030 χ^2/NDF :1159241.9/22

+ sign 162.139+/-0.021 χ^2/NDF : 2488841.5/52

All: 162.335+/-0.015 χ^2/NDF : 5149848.5/100

- sign 162.535+/-0.021 χ^2/NDF : 2660823.6/53

asym_bpm0i01aWS_mean vs Slug



Right In: 5827.688+/-36.310 χ^2/NDF : 87024.7/27

Left Out: -2680.012+/-35.764 χ^2/NDF : 56820.4/24

Right Out: -4506.180+/-34.688 χ^2/NDF : 133195.6/30

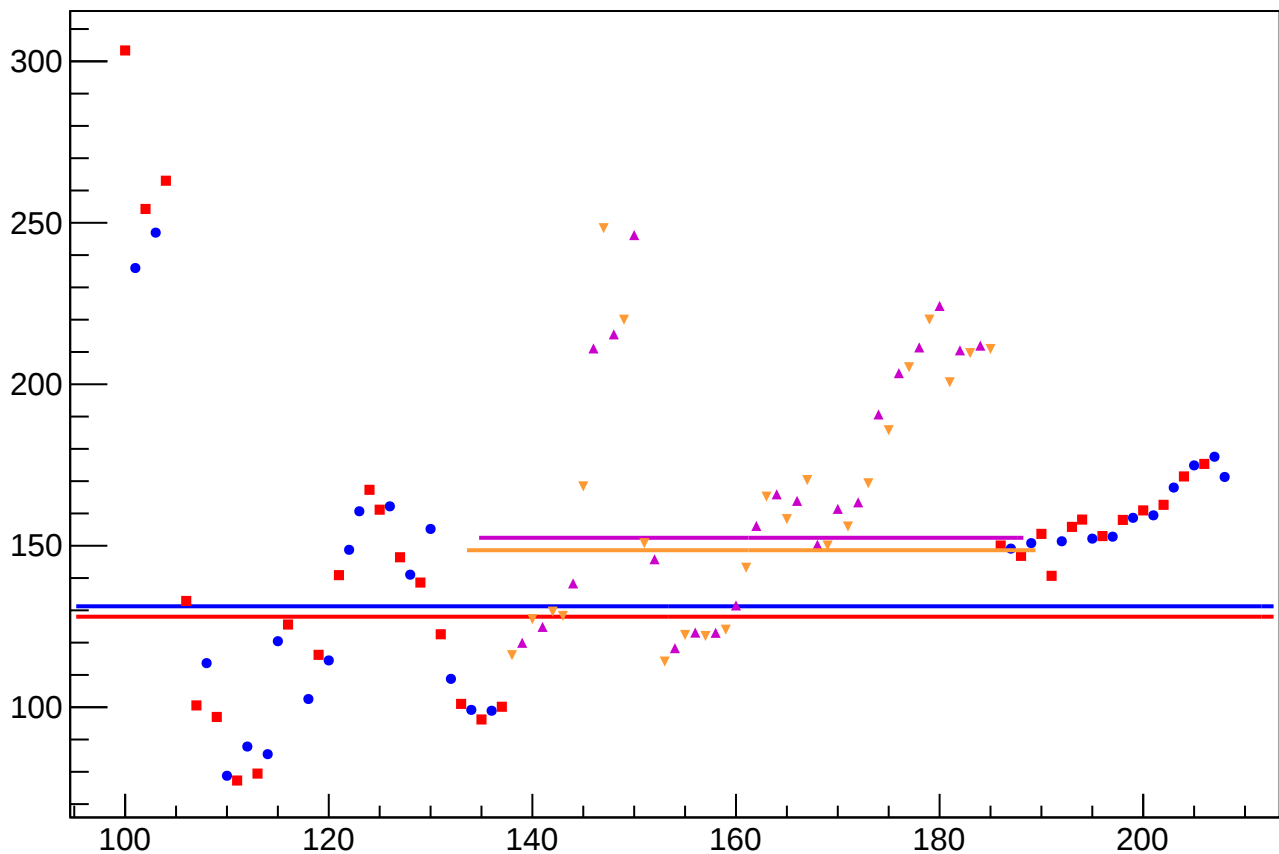
Left In: 8036.826+/-37.924 χ^2/NDF : 29261.6/22

+ sign 1509.352+/-25.480 χ^2/NDF : 171711.3/52

All: 1359.024+/-18.058 χ^2/NDF : 393798.2/100

- sign 1207.322+/-25.596 χ^2/NDF : 222017.0/53

asym_bpm0i01aWS_rms vs Slug



Right In: 131.253+/-0.026 χ^2/NDF : 2021339.7/27

Left Out: 148.611+/-0.025 χ^2/NDF :1685424.1/24

Right Out: 128.032+/-0.025 χ^2/NDF : 2236927.7/30

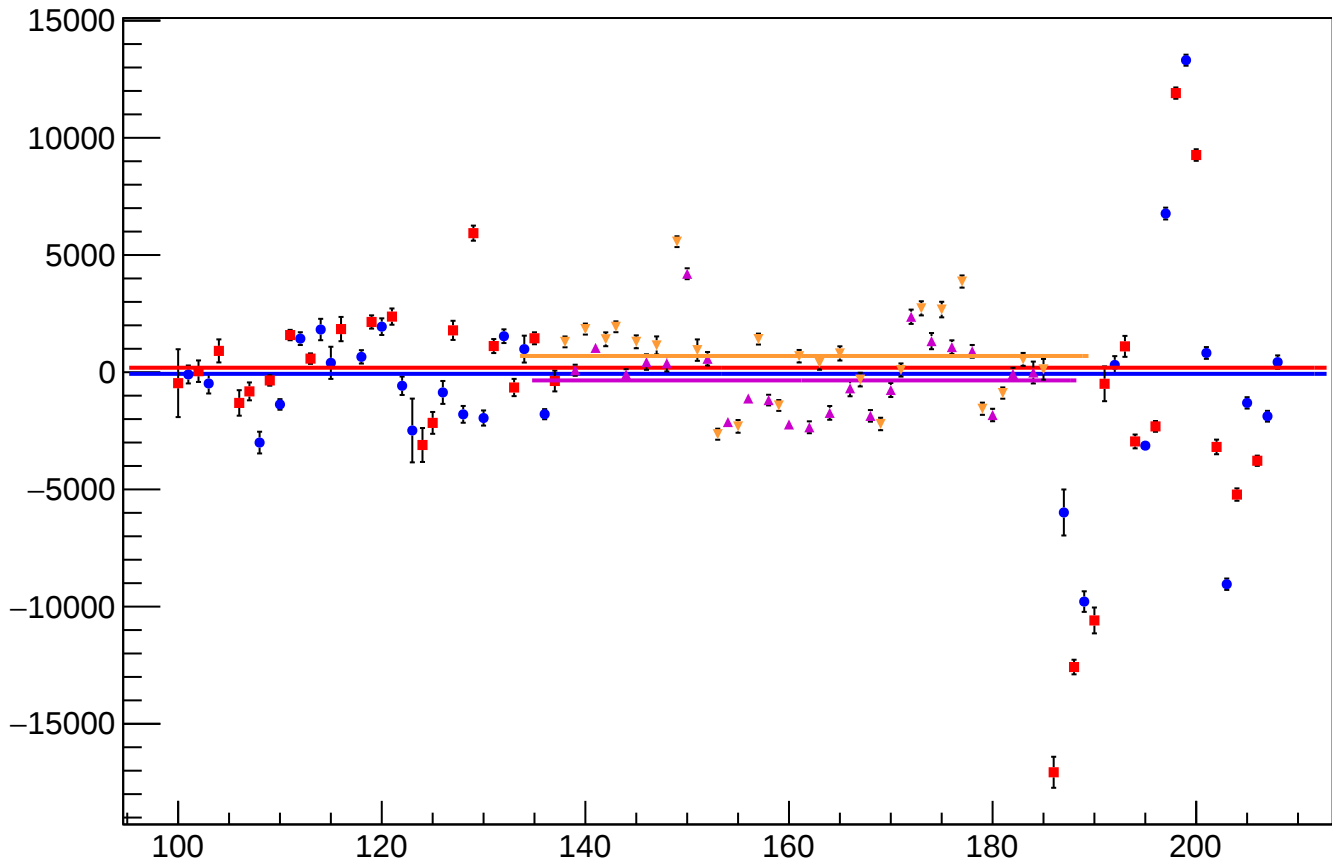
Left In: 152.463+/-0.027 χ^2/NDF :1691517.7/22

+ sign 140.063+/-0.018 χ^2/NDF : 3938757.5/52

All: 139.614+/-0.013 χ^2/NDF : 8320381.5/106

- sign 139.161+/-0.018 χ^2/NDF : 4380375.4/53

asym_bpm0l01WS_mean vs Slug



Right In: -69.682 ± 58.573 χ^2/NDF : 6488.1/27

Left Out: 692.998 ± 54.303 χ^2/NDF : 1422.0/24

Right Out: 191.748 ± 57.928 χ^2/NDF : 8129.5/30

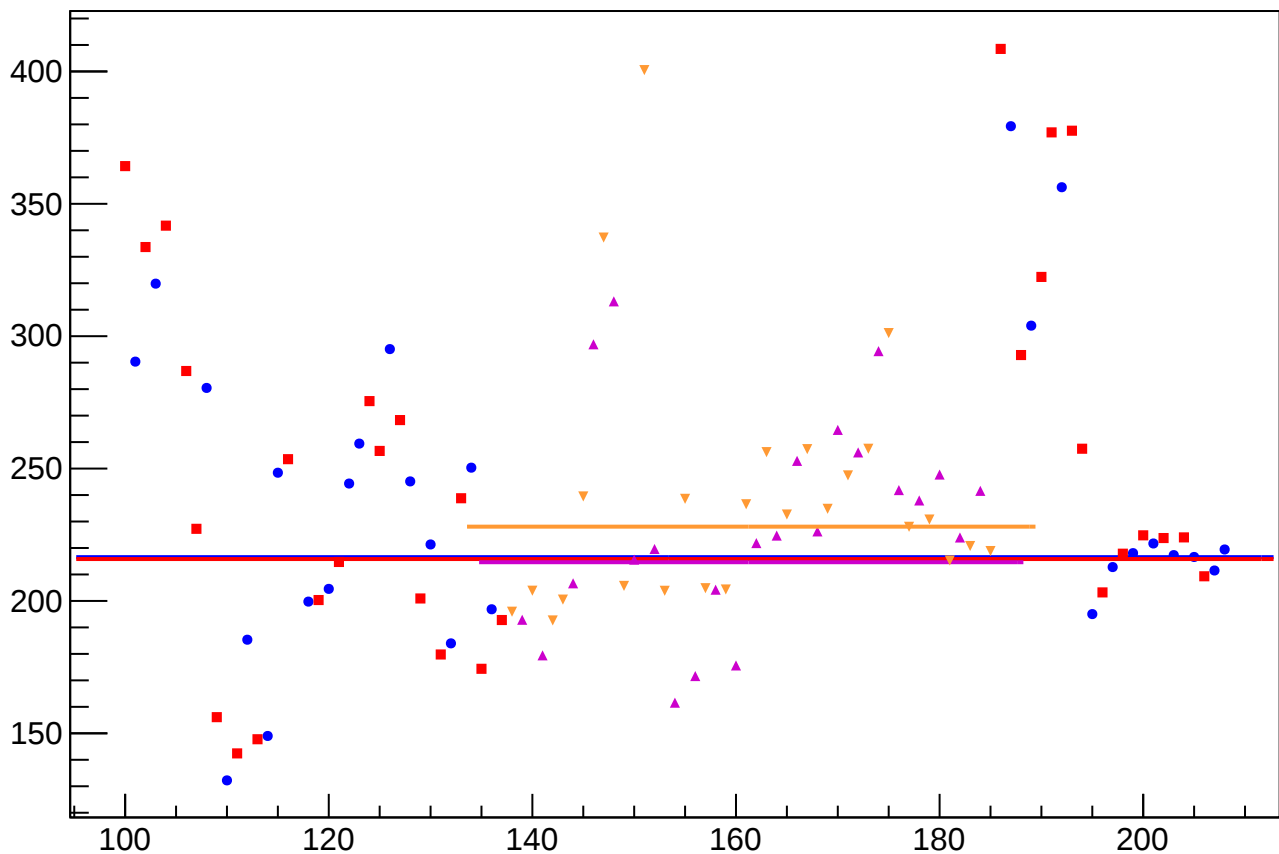
Left In: -349.623 ± 53.094 χ^2/NDF : 981.0/22

+ sign 340.463 ± 39.822 χ^2/NDF : 8001.4/52

All: 115.177 ± 27.915 χ^2/NDF : 17222.2/106

- sign -102.466 ± 39.141 χ^2/NDF : 9157.9/53

asym_bpm0l01WS_rms vs Slug



Right In: 216.539 $\pm$ 0.041 χ^2 /NDF: 1150967.2/27

Left Out: 228.061 $\pm$ 0.038 χ^2 /NDF: 826343.8/24

Right Out: 215.829 $\pm$ 0.041 χ^2 /NDF: 1822602.9/30

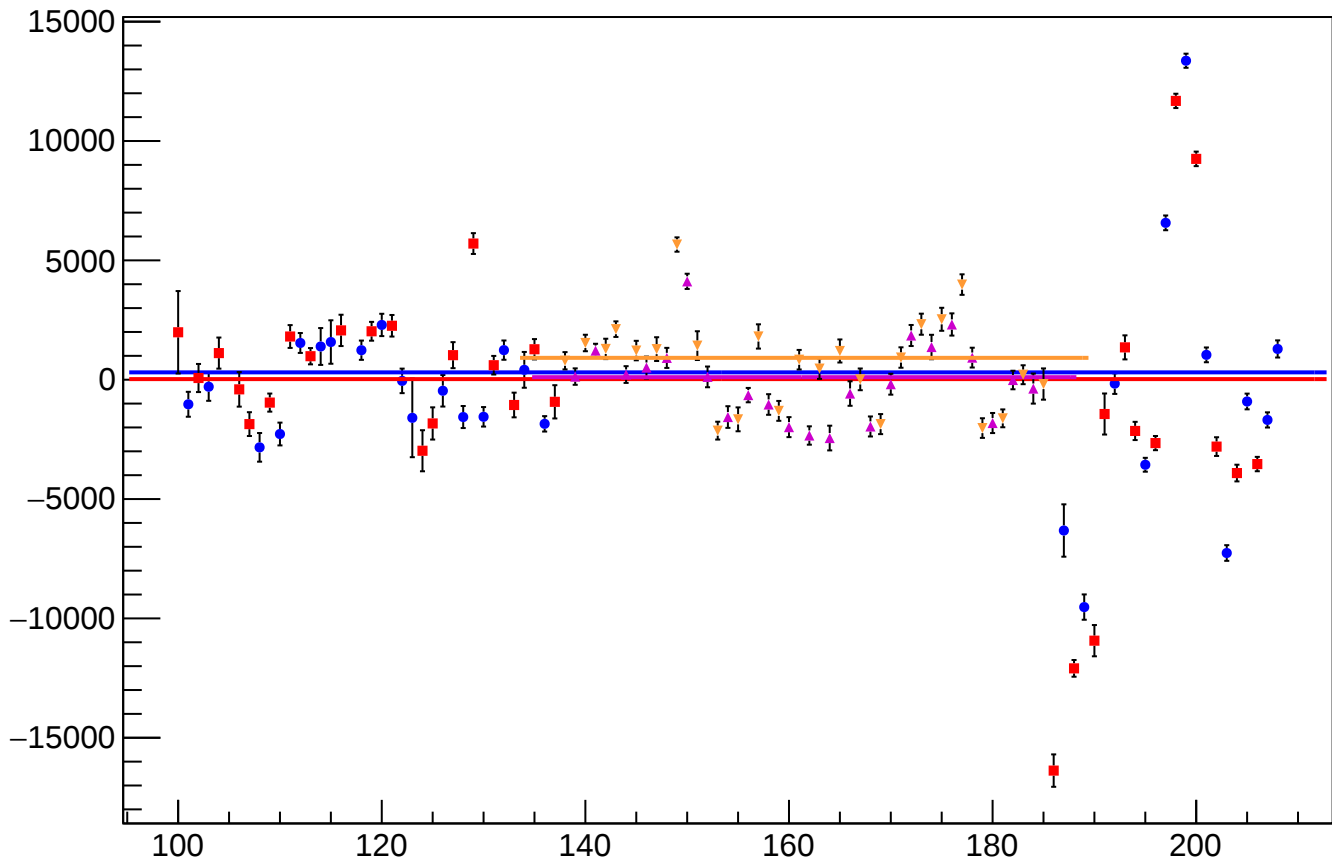
Left In: 214.627 $\pm$ 0.038 χ^2 /NDF: 1025683.3/22

+ sign 222.735 $\pm$ 0.028 χ^2 /NDF: 2018929.1/52

All: 218.890 $\pm$ 0.020 χ^2 /NDF: 4904339.9/100

- sign 215.176 $\pm$ 0.028 χ^2 /NDF: 2848754.0/53

asym_bpm0l02WS_mean vs Slug



Right In: 307.856+/-79.625 χ^2/NDF : 3705.1/27

Left Out: 915.968+/-83.398 χ^2/NDF : 618.3/24

Right Out: 25.224+/-79.330 χ^2/NDF : 5248.2/30

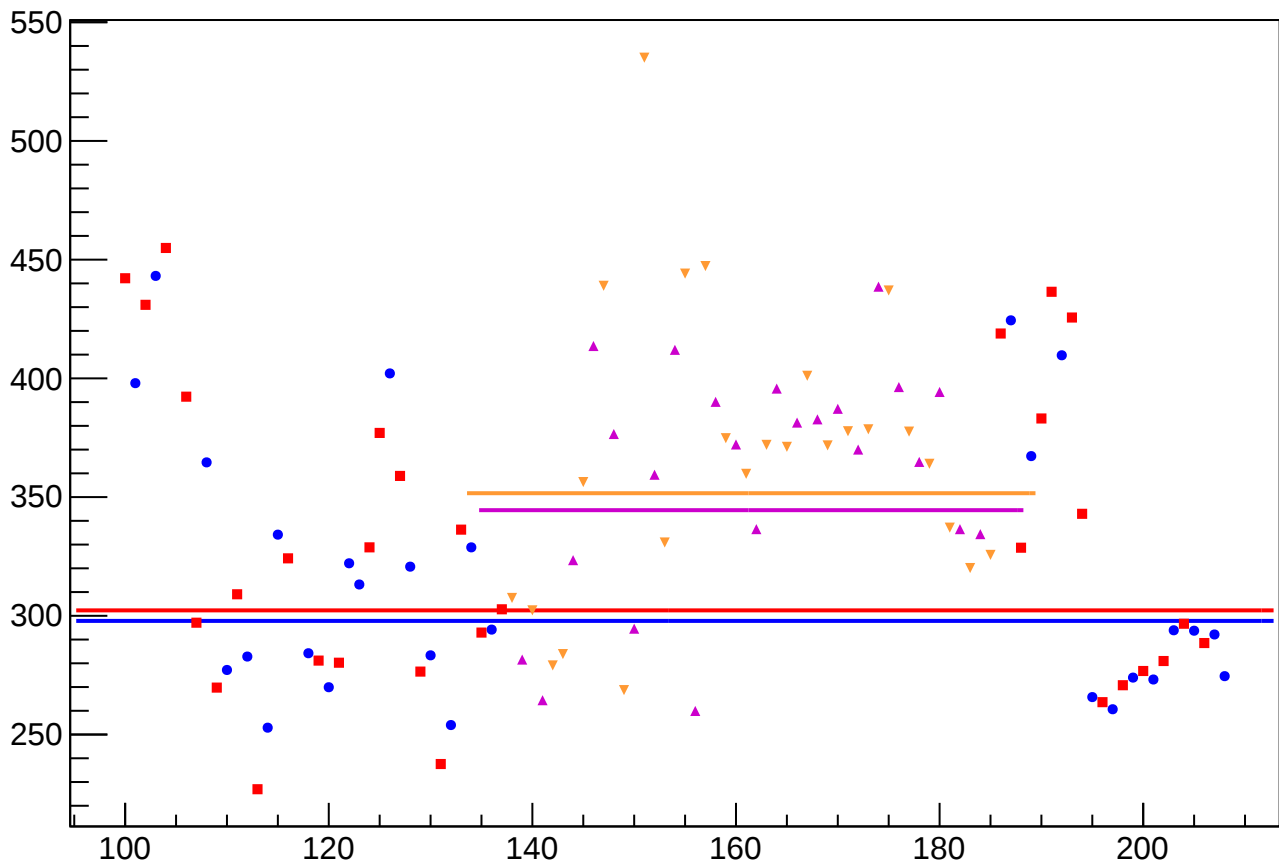
Left In: 106.116+/-84.393 χ^2/NDF : 390.3/22

+ sign 597.843+/-57.591 χ^2/NDF : 4351.3/52

All: 331.483+/-40.797 χ^2/NDF : 10033.2/106

- sign 63.170+/-57.802 χ^2/NDF : 5639.0/53

asym_bpm0l02WS_rms vs Slug



Right In: 297.857+/-0.056 χ^2/NDF : 618722.2/27

Left Out: 351.633+/-0.059 χ^2/NDF : 907849.3/24

Right Out: 302.289+/-0.056 χ^2/NDF : 867398.4/30

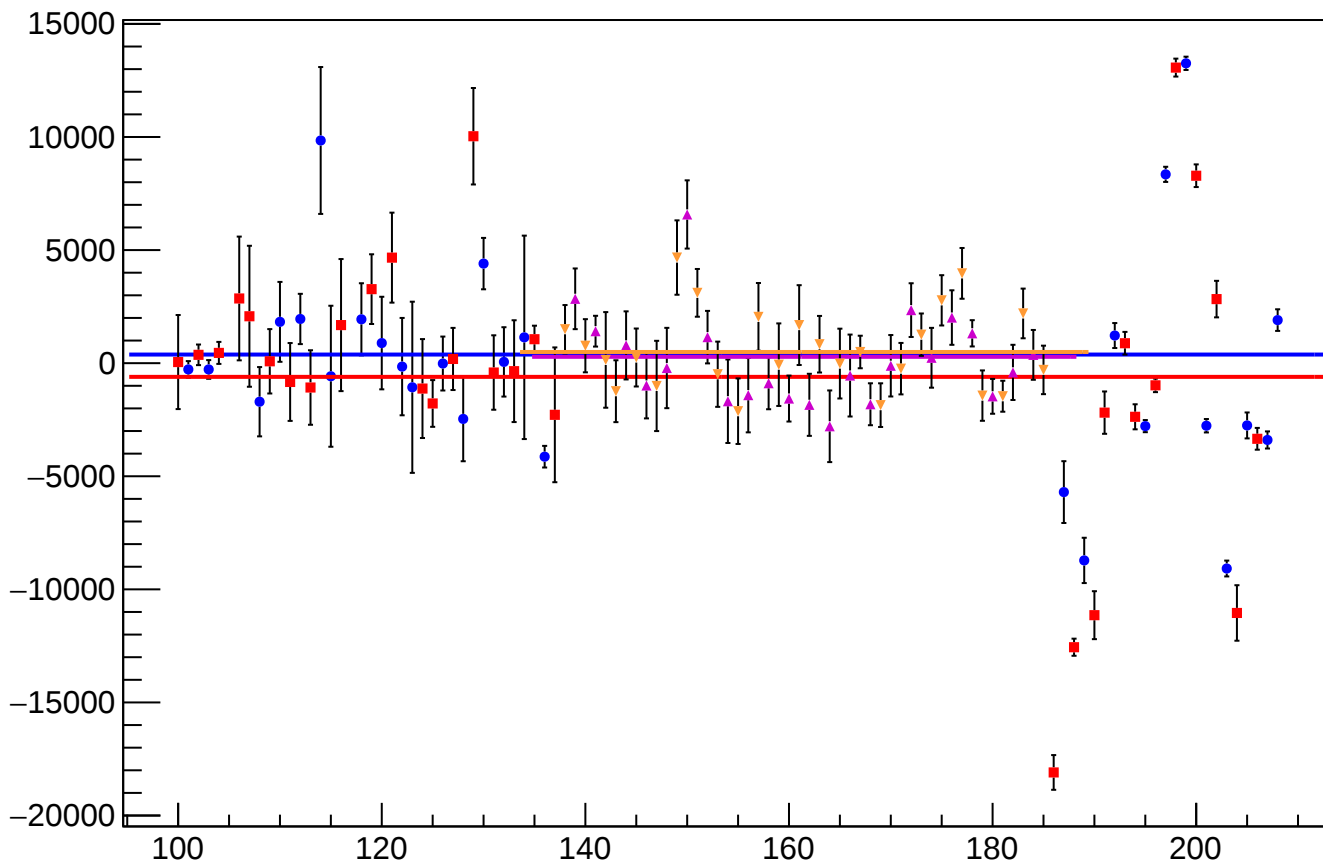
Left In: 344.491+/-0.060 χ^2/NDF : 768885.4/22

+ sign 323.501+/-0.041 χ^2/NDF : 1961587.8/52

All: 322.796+/-0.029 χ^2/NDF : 3863984.1/100

- sign 322.086+/-0.041 χ^2/NDF : 1901795.1/53

asym_bpm0l03WS_mean vs Slug



Right In: 381.162 $\pm$ 102.253 χ^2 /NDF: 3833.6/27

Left Out: 495.014 $\pm$ 231.058 χ^2 /NDF:56.2/24

Right Out: -605.344 $\pm$ 126.293 χ^2 /NDF: 3328.6/30

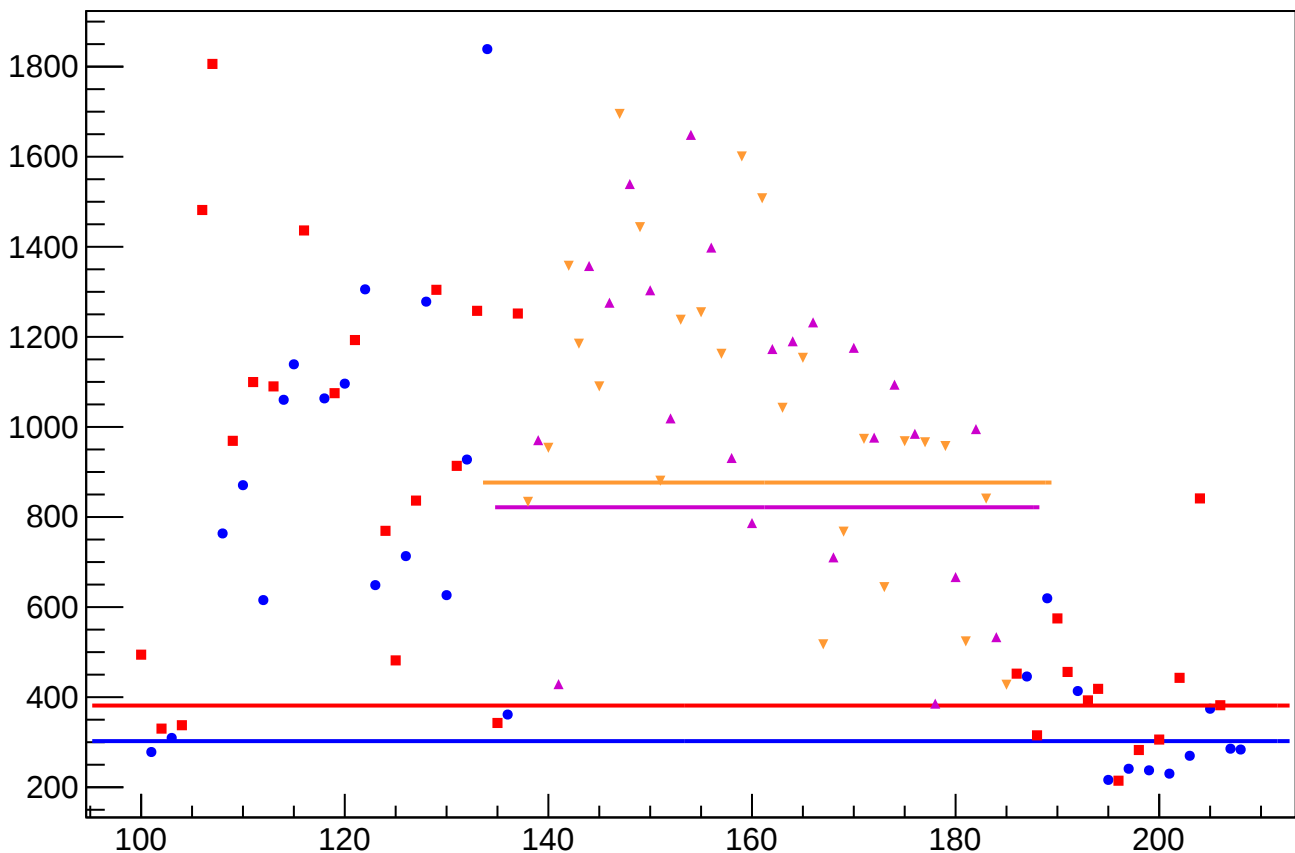
Left In: 280.692 $\pm$ 232.048 χ^2 /NDF:57.2/22

+ sign 399.807 $\pm$ 93.506 χ^2 /NDF: 3890.0/52

All: 66.384 $\pm$ 71.494 χ^2 /NDF: 7317.7/106

- sign -402.864 $\pm$ 110.928 χ^2 /NDF: 3397.0/53

asym_bpm0l03WS_rms vs Slug



Right In: 302.434+/-0.072 χ^2/NDF : 4406201.8/27

Left Out: 876.560+/-0.163 χ^2/NDF : 3434698.7/24

Right Out: 381.408+/-0.089 χ^2/NDF : 5457549.0/30

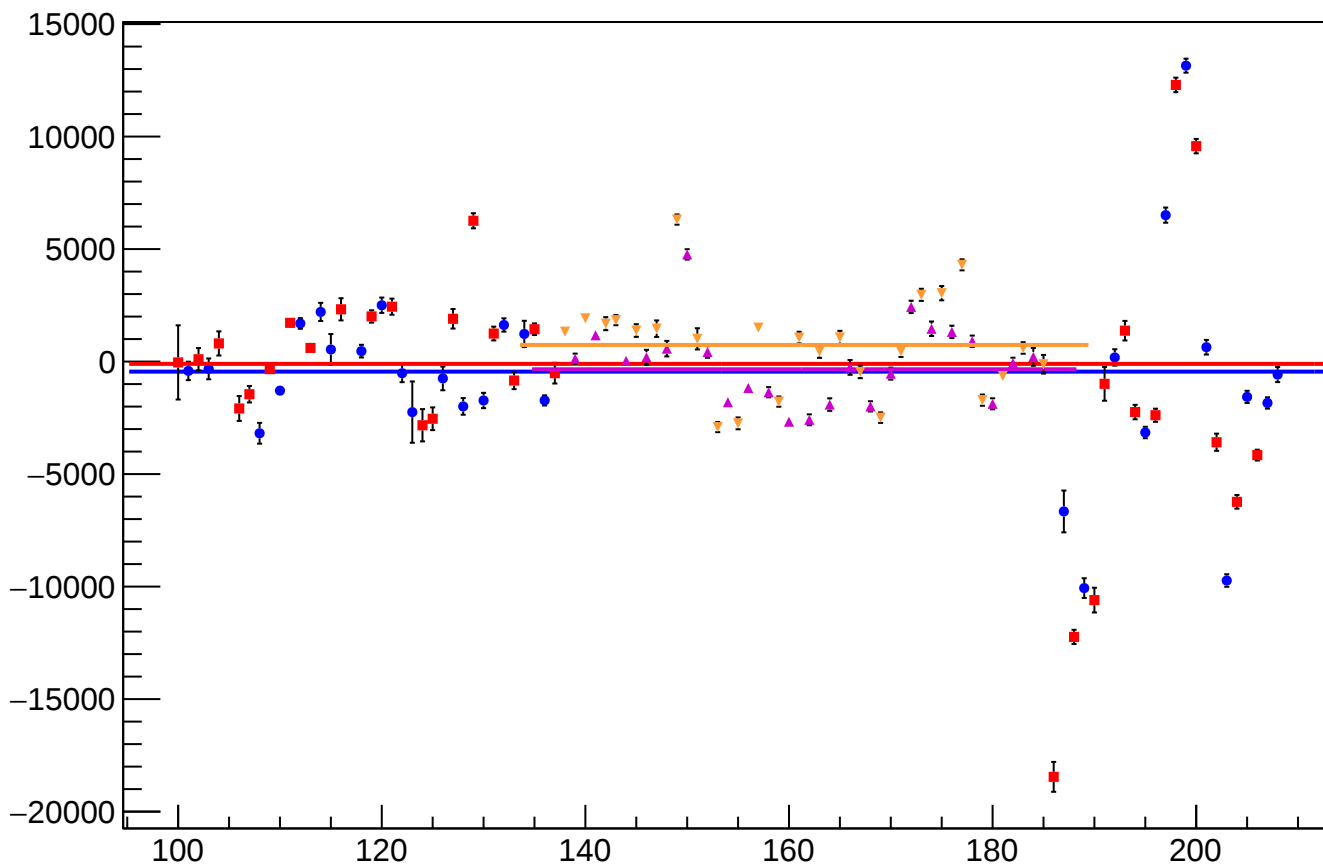
Left In: 821.657+/-0.164 χ^2/NDF : 4443094.2/22

+ sign 396.459+/-0.066 χ^2/NDF : 18166797.0/52

All: 431.998+/-0.051 χ^2/NDF : 34316858.7/10

- sign 482.015+/-0.078 χ^2/NDF : 15454536.7/53

asym_bpm0l04WS_mean vs Slug



Right In: -446.481 ± 62.513 $\chi^2/\text{NDF}: 4545.3/27$

Left Out: 738.847 ± 51.649 $\chi^2/\text{NDF}: 1935.2/24$

Right Out: -101.618 ± 60.226 $\chi^2/\text{NDF}: 6625.2/30$

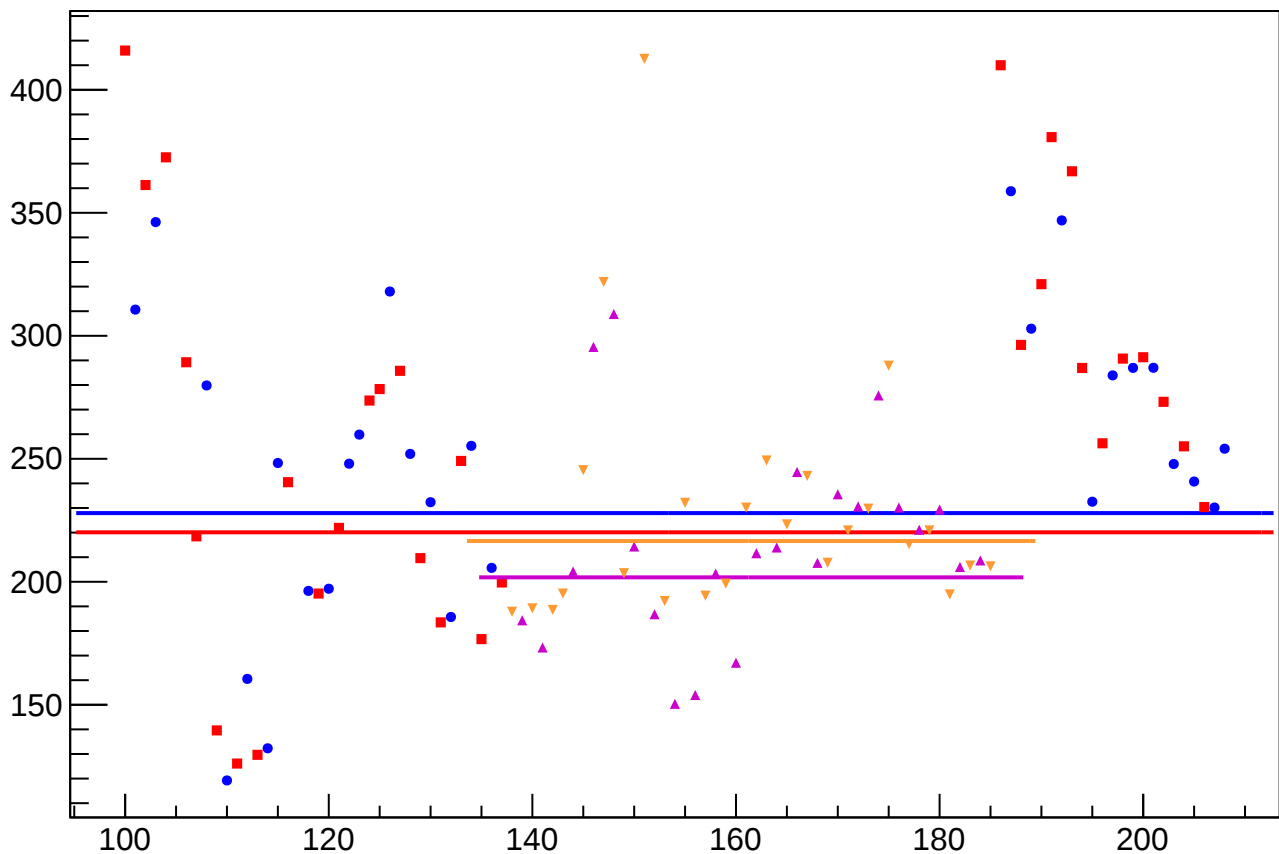
Left In: -342.465 ± 50.044 $\chi^2/\text{NDF}: 1254.9/22$

+ sign 257.967 ± 39.817 $\chi^2/\text{NDF}: 6694.2/52$

All: -1.565 ± 27.674 $\chi^2/\text{NDF}: 14665.9/106$

- sign -244.092 ± 38.490 $\chi^2/\text{NDF}: 7889.5/53$

asym_bpm0l04WS_rms vs Slug



Right In: 227.930 ± 0.044 χ^2/NDF : 1787896.9/27

Left Out: 216.574 ± 0.037 χ^2/NDF : 886214.1/24

Right Out: 220.116 ± 0.043 χ^2/NDF : 2836130.2/30

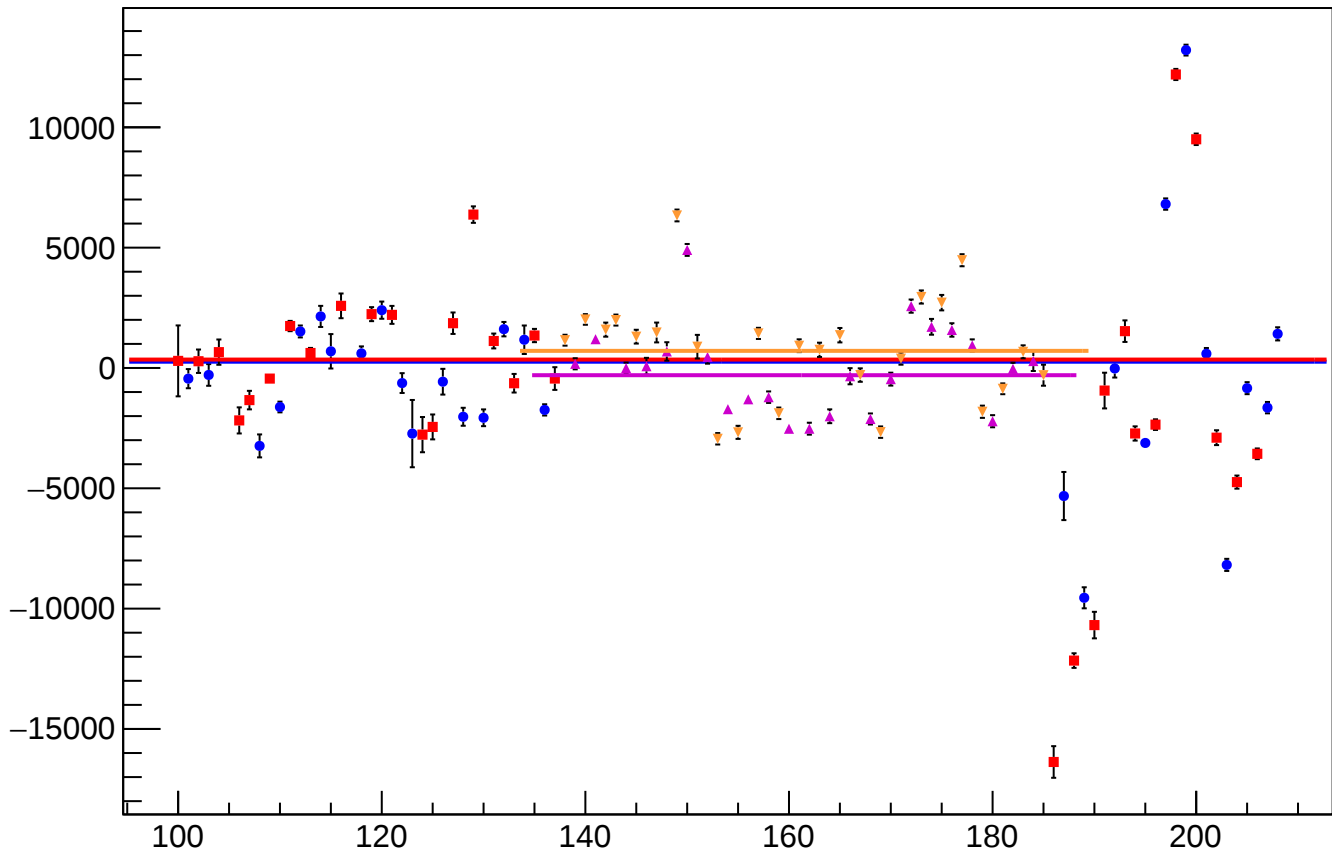
Left In: 201.805 ± 0.035 χ^2/NDF : 1087243.4/22

+ sign 221.181 ± 0.028 χ^2/NDF : 2713332.5/52

All: 215.031 ± 0.020 χ^2/NDF : 6838362.3/100

- sign 209.284 ± 0.027 χ^2/NDF : 4032731.5/53

asym_bpm0l05WS_mean vs Slug



Right In: 260.538 ± 58.661 χ^2/NDF : 6488.8/27

Left Out: 711.174 ± 53.245 χ^2/NDF : 1835.3/24

Right Out: 349.075 ± 57.924 χ^2/NDF : 8452.5/30

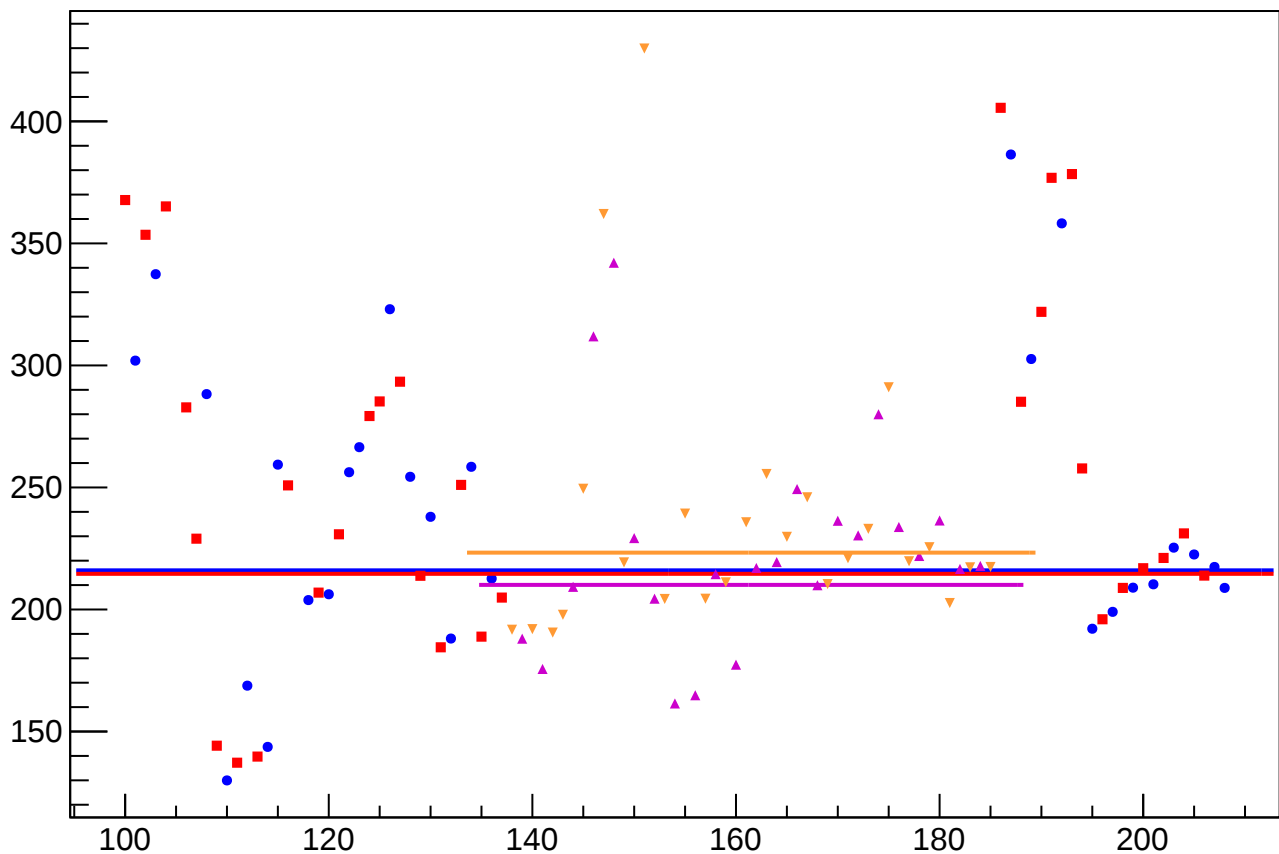
Left In: -300.516 ± 51.984 χ^2/NDF : 1208.6/22

+ sign 507.616 ± 39.426 χ^2/NDF : 8356.5/52

All: 243.550 ± 27.614 χ^2/NDF : 18175.2/106

- sign -10.728 ± 38.688 χ^2/NDF : 9730.7/53

asym_bpm0l05WS_rms vs Slug



Right In: 216.039+/-0.041 χ^2/NDF : 1346894.4/27

Left Out: 223.296+/-0.038 χ^2/NDF : 922768.4/24

Right Out: 214.613+/-0.041 χ^2/NDF : 2093538.5/30

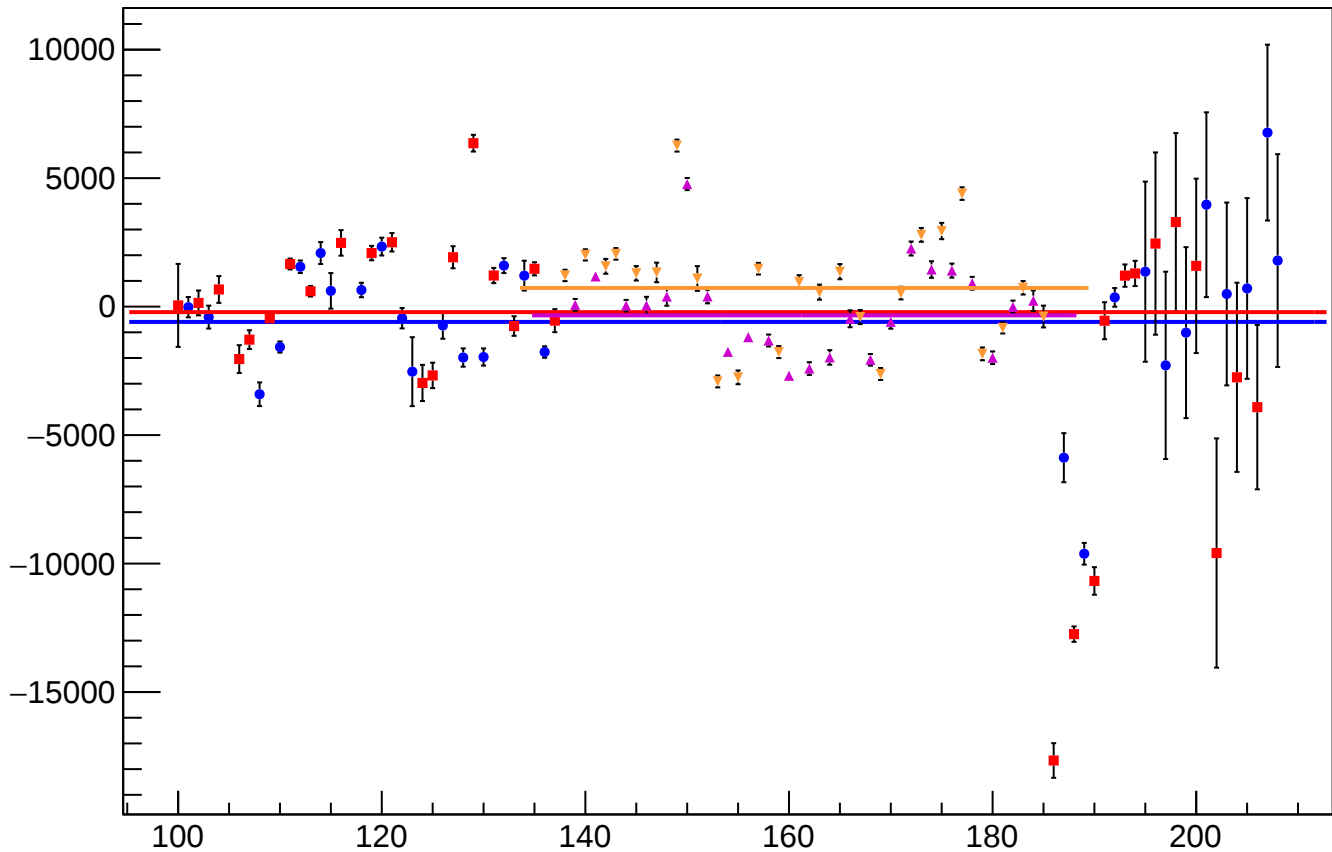
Left In: 210.080+/-0.037 χ^2/NDF : 1015274.5/22

+ sign 220.018+/-0.028 χ^2/NDF : 2286444.3/52

All: 215.986+/-0.020 χ^2/NDF : 5443117.7/100

- sign 212.102+/-0.027 χ^2/NDF : 3115597.8/53

asym_bpm0l06WS_mean vs Slug



Right In: -595.215 ± 79.044 χ^2/NDF : 898.9/27

Left Out: 725.866 ± 52.158 χ^2/NDF : 1912.7/24

Right Out: -215.241 ± 69.979 χ^2/NDF : 3639.7/30

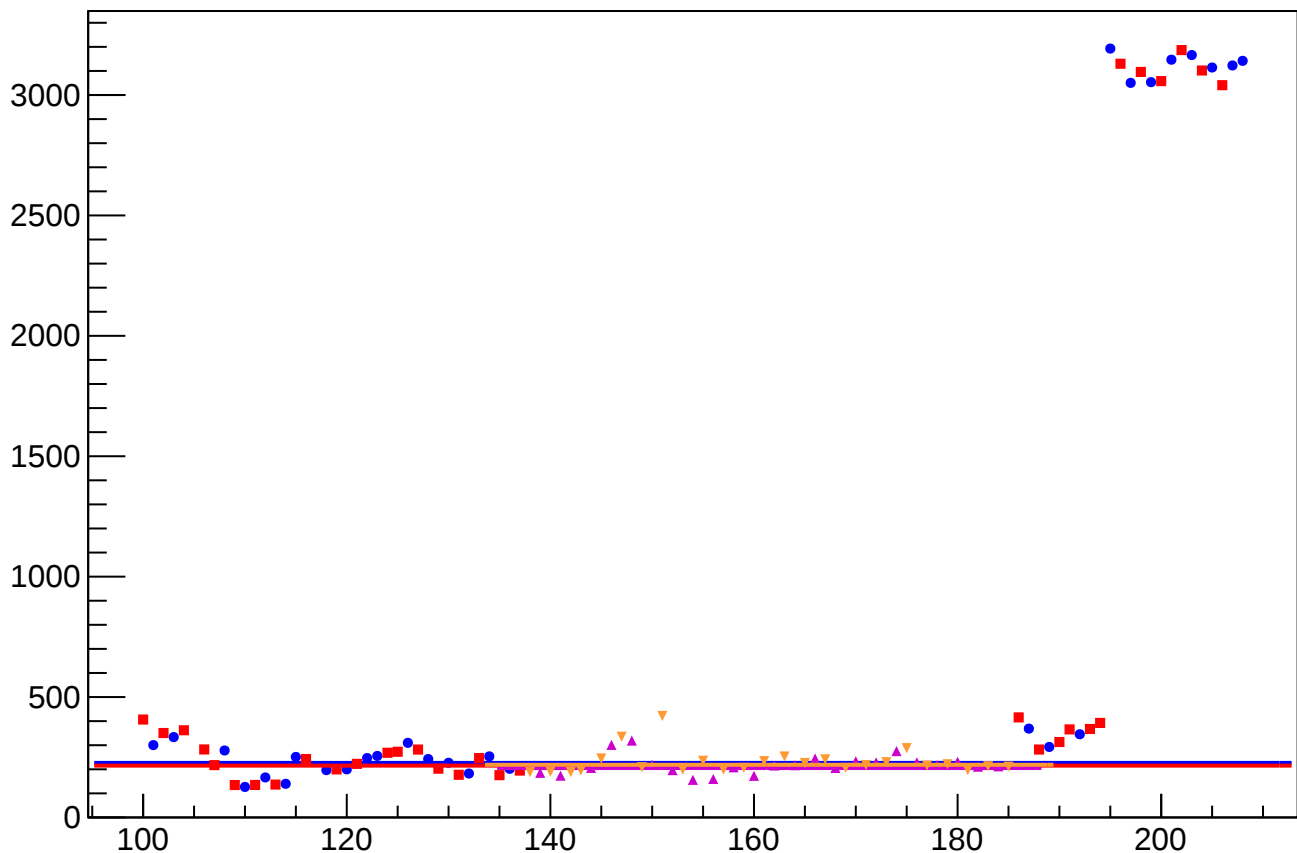
Left In: -340.502 ± 50.802 χ^2/NDF : 1201.8/22

+ sign 325.126 ± 43.534 χ^2/NDF : 3006.3/52

All: -3.876 ± 29.890 χ^2/NDF : 7958.0/106

- sign -297.270 ± 41.111 χ^2/NDF : 4843.7/53

asym_bpm0l06WS_rms vs Slug



Right In: 226.566 $\pm$ 0.056 χ^2 /NDF: 11852774.2/27

Left Out: 218.768 $\pm$ 0.037 χ^2 /NDF: 896914.5/24

Right Out: 215.227 $\pm$ 0.049 χ^2 /NDF: 10252915.9/30

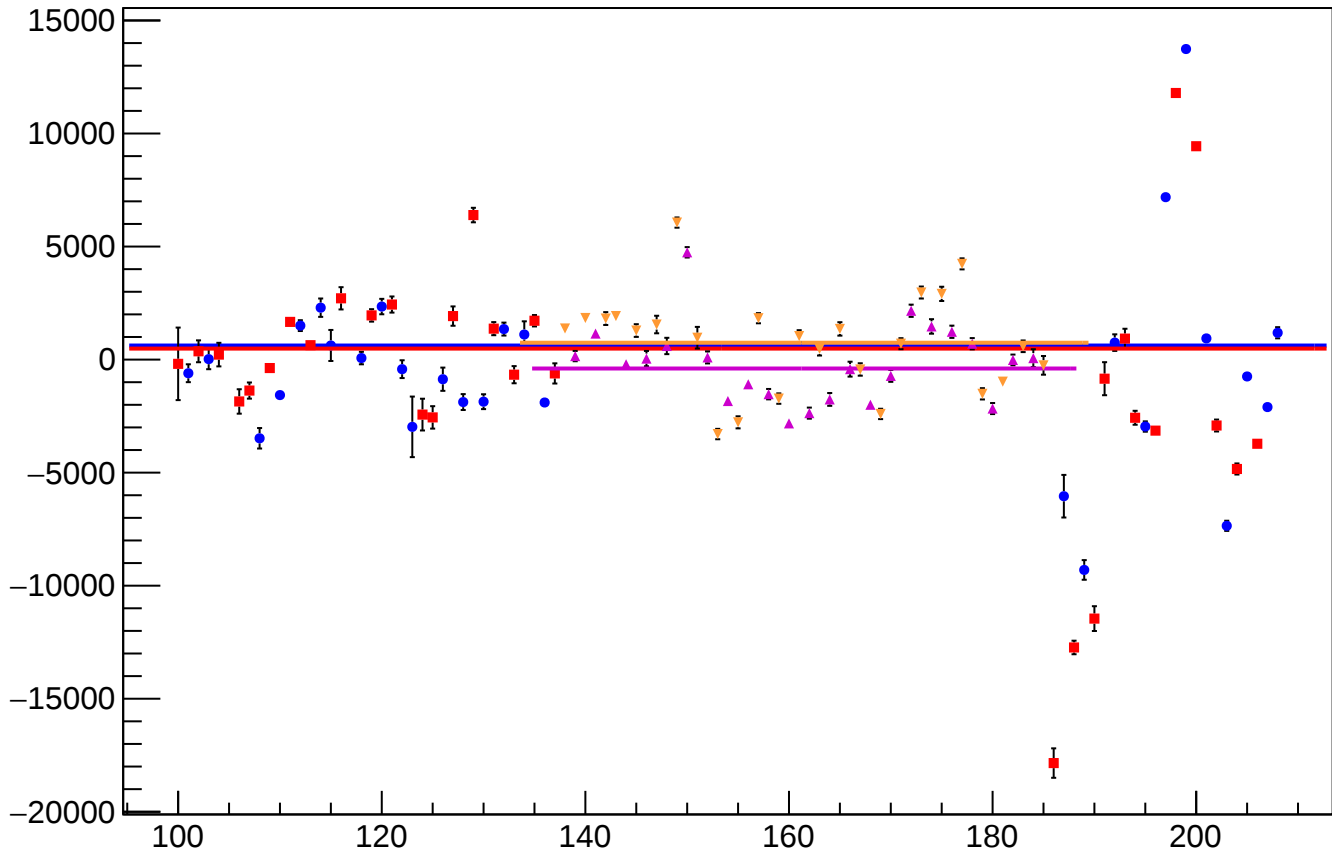
Left In: 205.249 $\pm$ 0.036 χ^2 /NDF: 997168.8/22

+ sign 221.134 $\pm$ 0.031 χ^2 /NDF: 12763248.6/52

All: 214.557 $\pm$ 0.021 χ^2 /NDF: 24126301.3/10

- sign 208.693 $\pm$ 0.029 χ^2 /NDF: 11276712.9/53

asym_bpm0l07WS_mean vs Slug



Right In: 622.048 ± 54.615 $\chi^2/\text{NDF}: 8452.9/27$

Left Out: 746.405 ± 51.592 $\chi^2/\text{NDF}: 1942.1/24$

Right Out: 486.544 ± 54.074 $\chi^2/\text{NDF}: 10302.7/30$

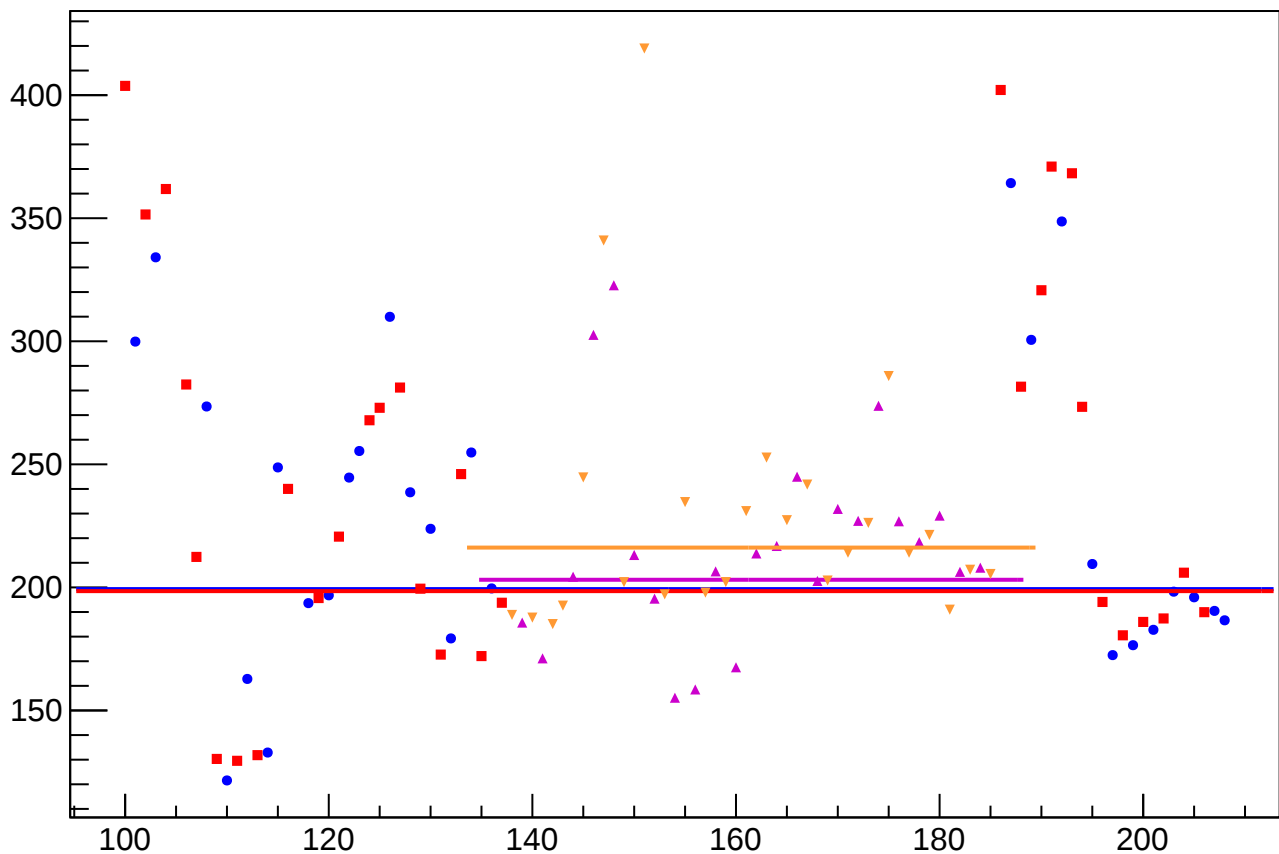
Left In: -394.379 ± 50.311 $\chi^2/\text{NDF}: 1236.4/22$

+ sign 687.764 ± 37.504 $\chi^2/\text{NDF}: 10397.7/52$

All: 344.996 ± 26.279 $\chi^2/\text{NDF}: 22243.1/106$

- sign 14.372 ± 36.834 $\chi^2/\text{NDF}: 11681.3/53$

asym_bpm0l07WS_rms vs Slug



Right In: 199.310 +/- 0.039 χ^2/NDF : 1529523.9/27

Left Out: 216.178 +/- 0.036 χ^2/NDF : 946050.8/24

Right Out: 198.482 +/- 0.038 χ^2/NDF : 2442087.7/30

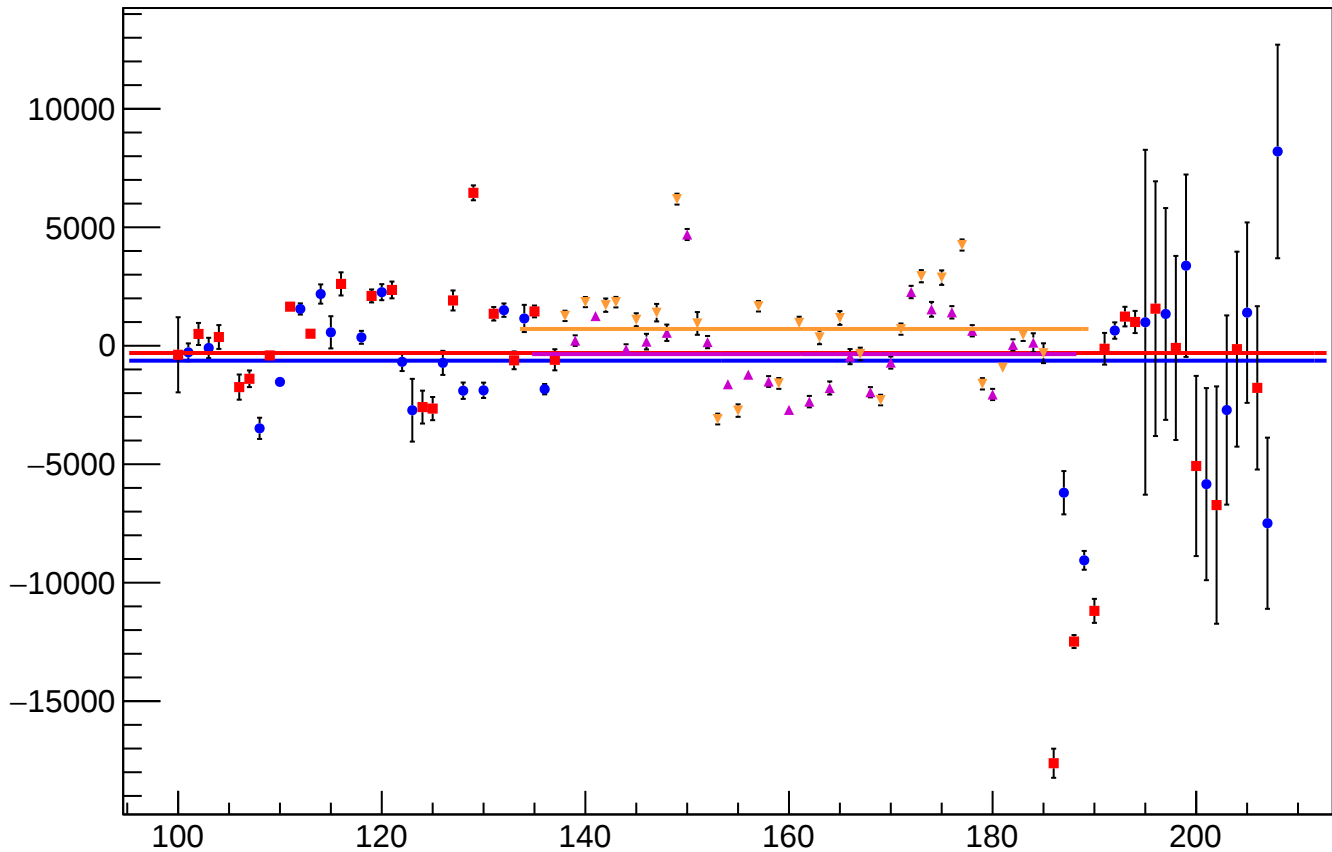
Left In: 203.101 +/- 0.036 χ^2/NDF : 1038013.0/22

+ sign 208.224 +/- 0.027 χ^2/NDF : 2576391.5/52

All: 204.525 +/- 0.019 χ^2/NDF : 6102527.9/106

- sign 200.957 +/- 0.026 χ^2/NDF : 3487923.2/53

asym_bpm0l08WS_mean vs Slug



Right In: -629.893 ± 76.418 $\chi^2/\text{NDF}: 925.7/27$

Left Out: 710.238 ± 50.750 $\chi^2/\text{NDF}: 1932.3/24$

Right Out: -305.564 ± 67.119 $\chi^2/\text{NDF}: 4164.7/30$

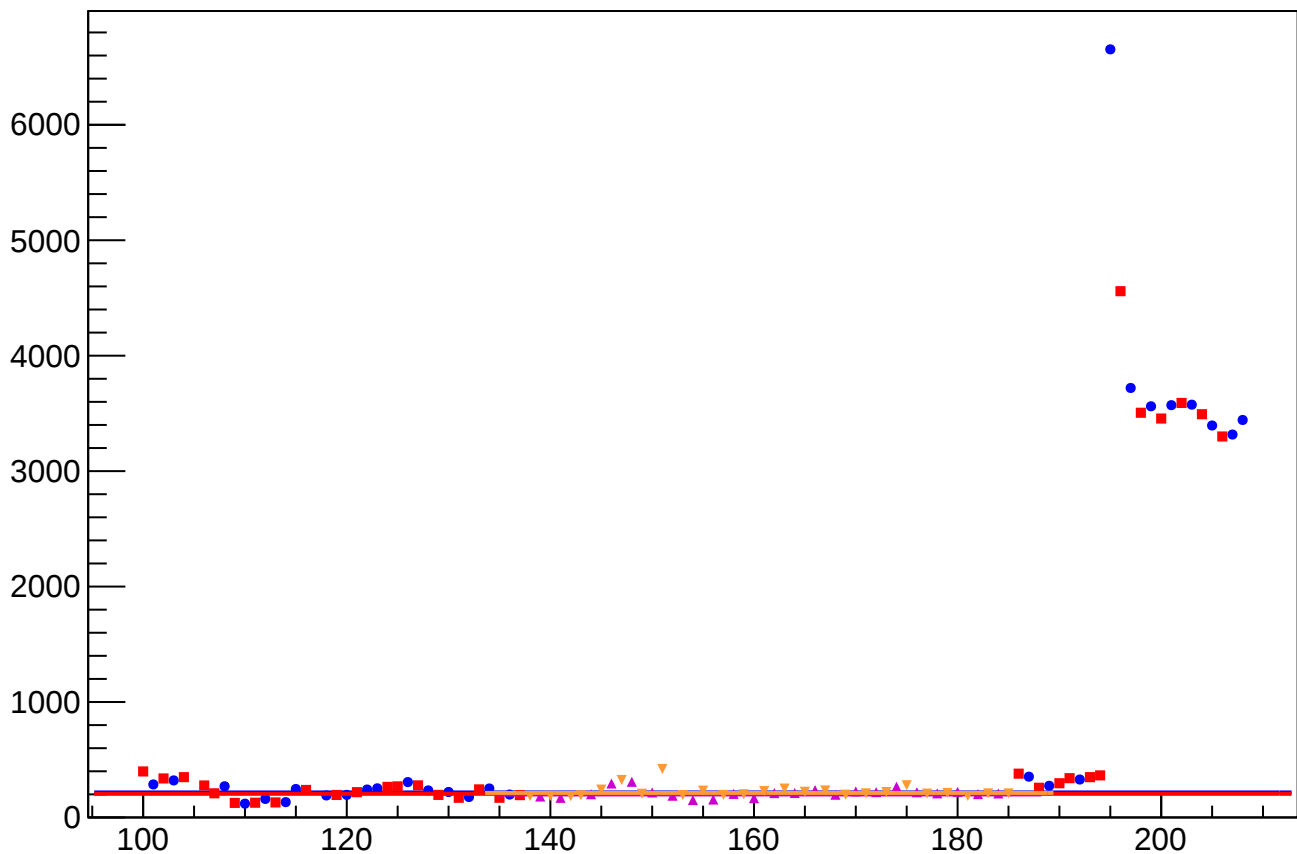
Left In: -352.432 ± 49.316 $\chi^2/\text{NDF}: 1233.1/22$

+ sign 300.075 ± 42.277 $\chi^2/\text{NDF}: 3071.4/52$

All: -37.602 ± 28.956 $\chi^2/\text{NDF}: 8589.6/106$

- sign -336.000 ± 39.742 $\chi^2/\text{NDF}: 5398.1/53$

asym_bpm0l08WS_rms vs Slug



Right In: 216.684 $\pm$ 0.054 χ^2 /NDF: 12304223.9/27

Left Out: 212.718 $\pm$ 0.036 χ^2 /NDF: 916225.9/24

Right Out: 204.826 $\pm$ 0.047 χ^2 /NDF: 10443415.7/30

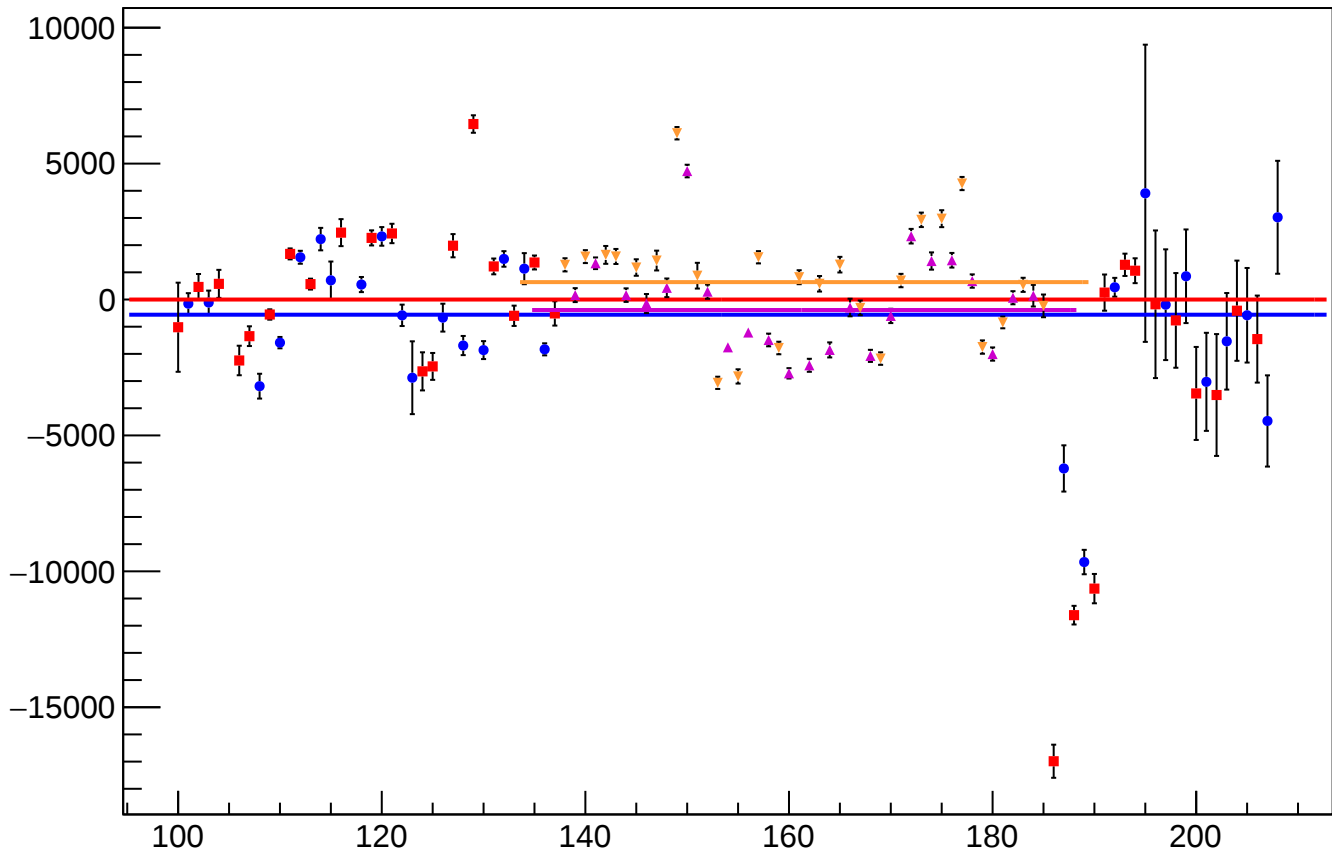
Left In: 199.142 $\pm$ 0.035 χ^2 /NDF: 985932.4/22

+ sign 213.932 $\pm$ 0.030 χ^2 /NDF: 13224187.7/52

All: 207.138 $\pm$ 0.020 χ^2 /NDF: 24760140.7/10

- sign 201.135 $\pm$ 0.028 χ^2 /NDF: 11438661.1/53

asym_bpm0l09WS_mean vs Slug



Right In: -558.936 ± 77.371 χ^2/NDF : 870.9/27

Left Out: 639.995 ± 52.708 χ^2/NDF : 1859.2/24

Right Out: -0.897 ± 68.830 χ^2/NDF : 3103.6/30

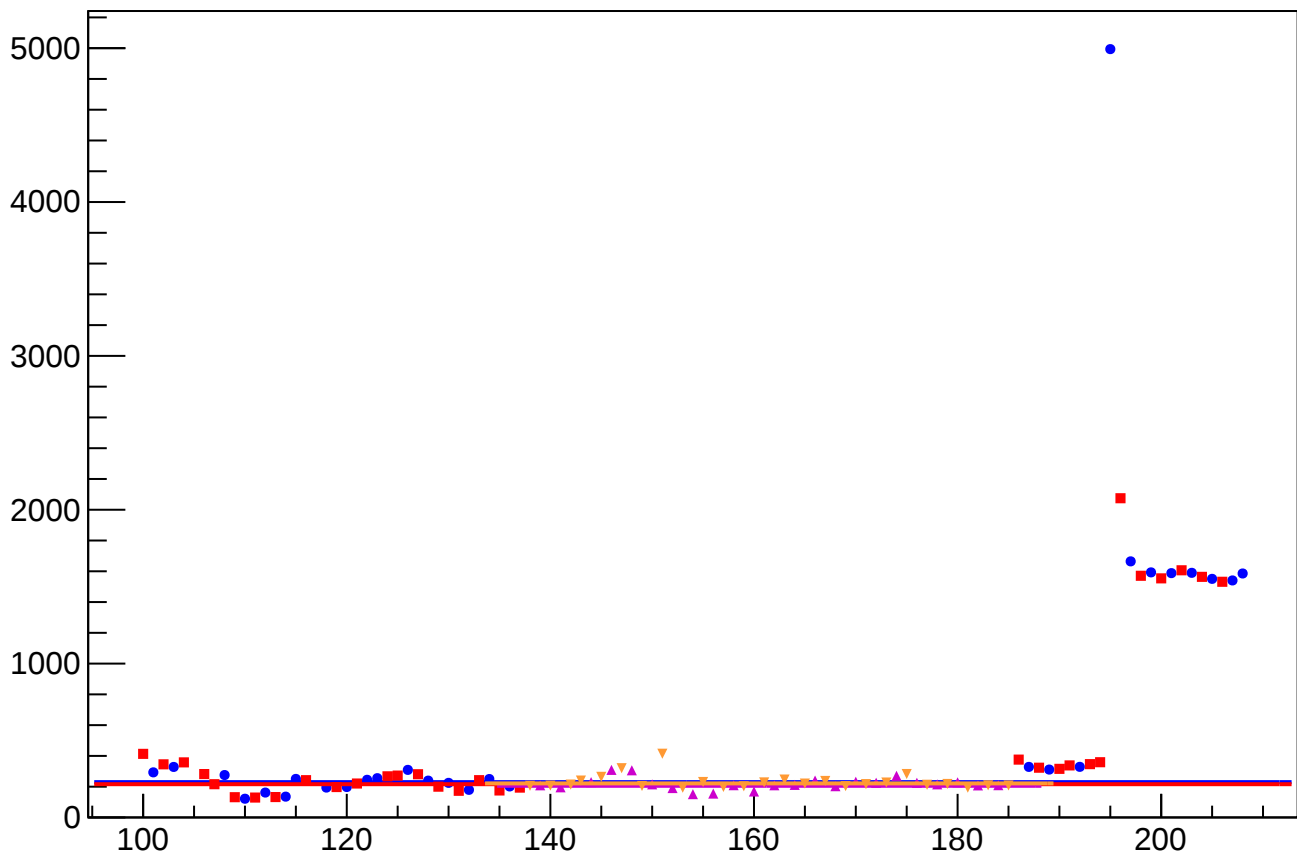
Left In: -386.248 ± 50.994 χ^2/NDF : 1238.0/22

+ sign 259.953 ± 43.561 χ^2/NDF : 2894.2/52

All: -10.450 ± 29.846 χ^2/NDF : 7328.6/106

- sign -249.690 ± 40.974 χ^2/NDF : 4361.8/53

asym_bpm0l09WS_rms vs Slug



Right In: 229.559 $\pm$ 0.055 χ^2 /NDF: 10729817.6/27

Left Out: 221.398 $\pm$ 0.037 χ^2 /NDF: 777833.8/24

Right Out: 216.184 $\pm$ 0.049 χ^2 /NDF: 9103255.4/30

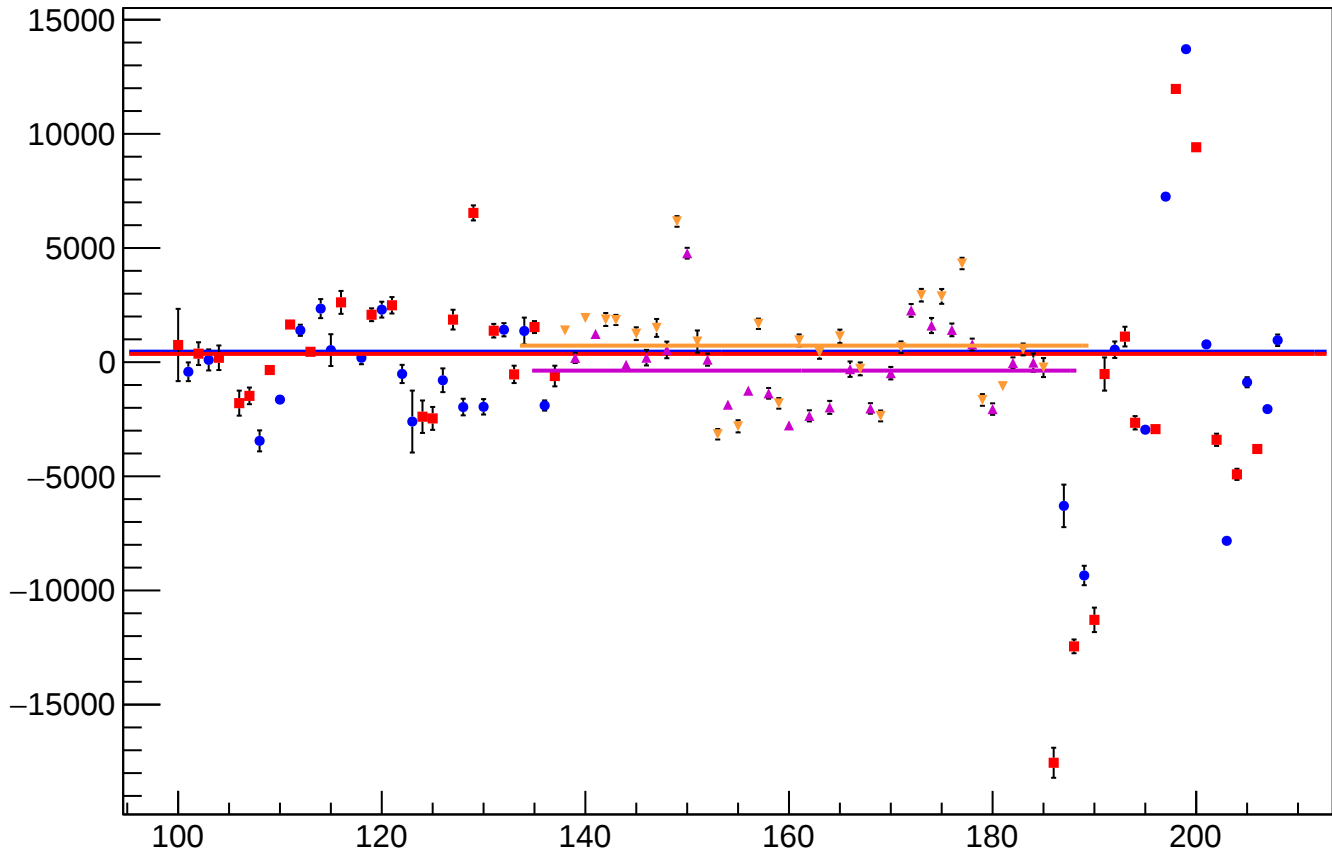
Left In: 205.803 $\pm$ 0.036 χ^2 /NDF: 994903.5/22

+ sign 223.985 $\pm$ 0.031 χ^2 /NDF: 11522851.2/52

All: 216.290 $\pm$ 0.021 χ^2 /NDF: 21768007.9/10

- sign 209.482 $\pm$ 0.029 χ^2 /NDF: 10127529.5/53

asym_bpm0l10WS_mean vs Slug



Right In: 459.718 $\pm$ 55.119 χ^2 /NDF: 8441.0/27

Left Out: 725.250 $\pm$ 52.307 χ^2 /NDF:1883.1/24

Right Out: 362.798 $\pm$ 54.880 χ^2 /NDF: 9977.2/30

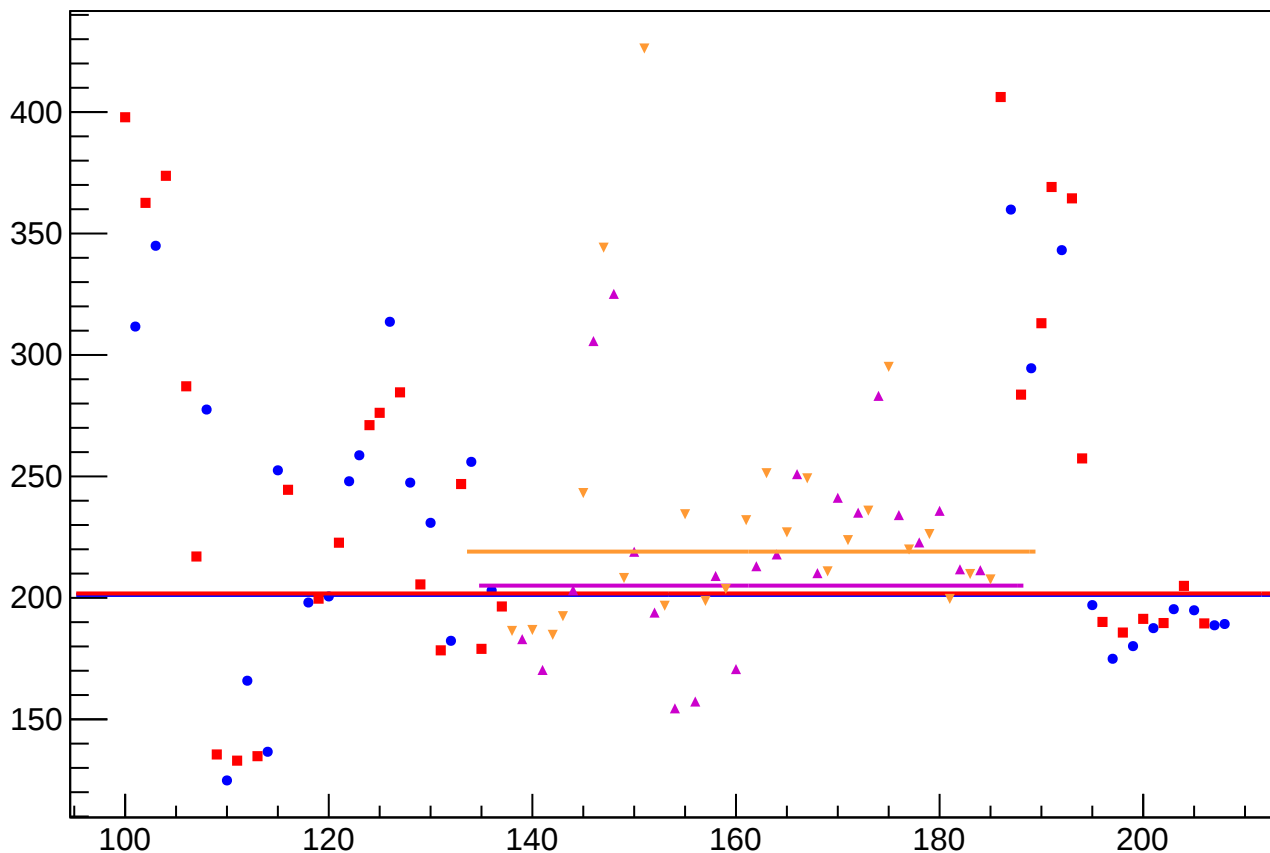
Left In: -370.408 $\pm$ 50.884 χ^2 /NDF:1223.2/22

+ sign 599.430 $\pm$ 37.942 χ^2 /NDF: 10336.3/52

All: 278.713 $\pm$ 26.604 χ^2 /NDF: 21773.3/106

- sign -31.468 $\pm$ 37.314 χ^2 /NDF: 11296.4/53

asym_bpm0l10WS_rms vs Slug



Right In: 201.208 $\pm$ 0.039 χ^2 /NDF: 1488308.7/27

Left Out: 219.049 $\pm$ 0.037 χ^2 /NDF:975564.4/24

Right Out: 201.818 $\pm$ 0.039 χ^2 /NDF: 2295240.5/30

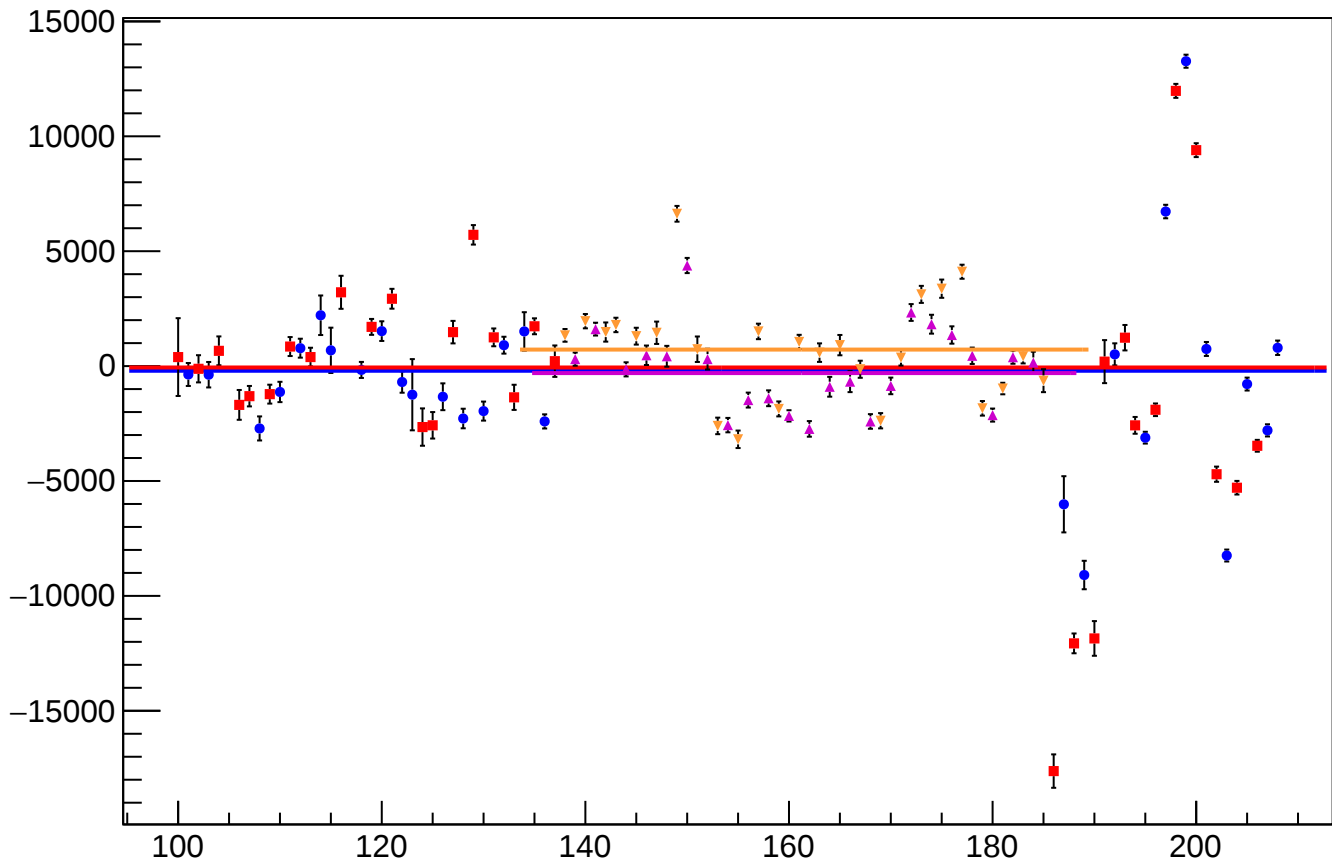
Left In: 205.046 $\pm$ 0.036 χ^2 /NDF:1144197.1/22

+ sign 210.595 $\pm$ 0.027 χ^2 /NDF: 2574114.6/52

All: 207.016 $\pm$ 0.019 χ^2 /NDF: 6052286.9/100

- sign 203.554 $\pm$ 0.026 χ^2 /NDF: 3443159.3/53

asym_bpm0r03WS_mean vs Slug



Right In: -202.599 ± 73.324 $\chi^2/\text{NDF}: 4399.8/27$

Left Out: 718.705 ± 69.601 $\chi^2/\text{NDF}: 1018.5/24$

Right Out: -60.343 ± 76.052 $\chi^2/\text{NDF}: 5322.4/30$

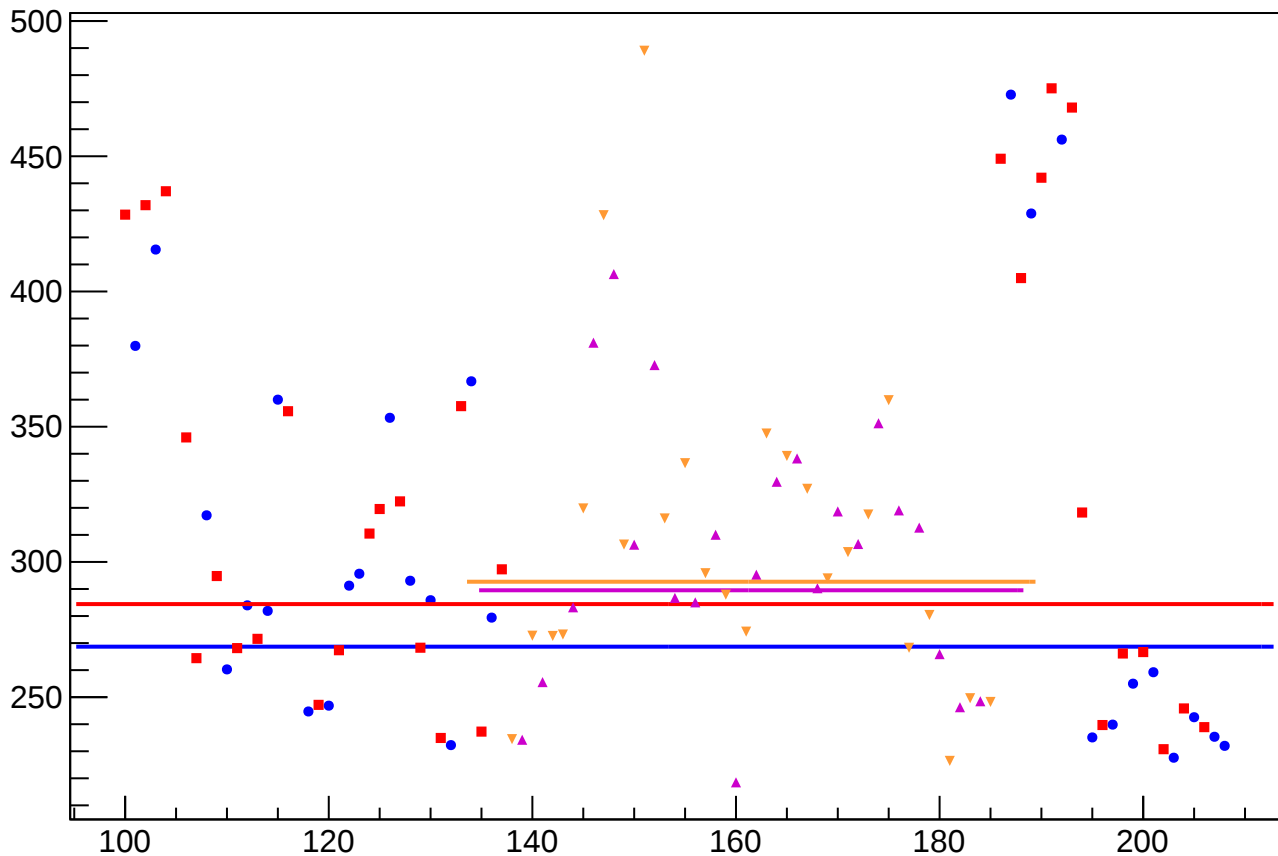
Left In: -304.161 ± 70.958 $\chi^2/\text{NDF}: 643.5/22$

+ sign 282.036 ± 50.480 $\chi^2/\text{NDF}: 5501.4/52$

All: 52.147 ± 36.180 $\chi^2/\text{NDF}: 11515.4/106$

- sign -190.691 ± 51.882 $\chi^2/\text{NDF}: 5971.4/53$

asym_bpm0r03WS_rms vs Slug



Right In: 268.672 ± 0.052 $\chi^2/\text{NDF}: 1080317.0/27$

Left Out: 292.686 ± 0.049 $\chi^2/\text{NDF}: 925193.6/24$

Right Out: 284.415 ± 0.054 $\chi^2/\text{NDF}: 1344321.8/30$

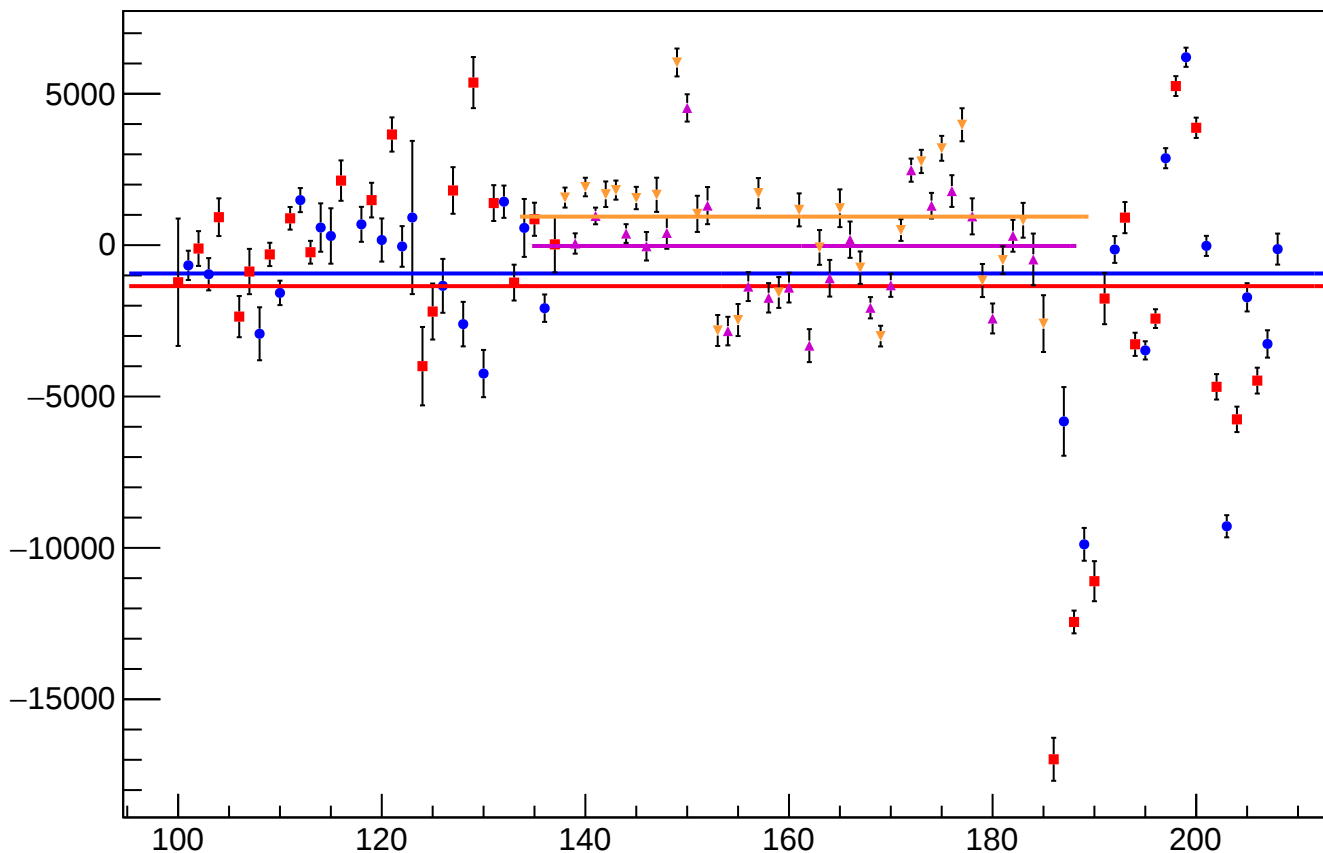
Left In: 289.522 ± 0.050 $\chi^2/\text{NDF}: 777901.0/22$

+ sign 281.304 ± 0.036 $\chi^2/\text{NDF}: 2118357.9/52$

All: 284.145 ± 0.026 $\chi^2/\text{NDF}: 4258424.4/106$

- sign 287.145 ± 0.037 $\chi^2/\text{NDF}: 2127042.9/53$

asym_bpm0r05WS_mean vs Slug



Right In: -936.125 ± 93.175 $\chi^2/\text{NDF}: 1680.3/27$

Left Out: 941.598 ± 89.119 $\chi^2/\text{NDF}: 544.6/24$

Right Out: -1354.282 ± 90.137 $\chi^2/\text{NDF}: 2833.7/30$

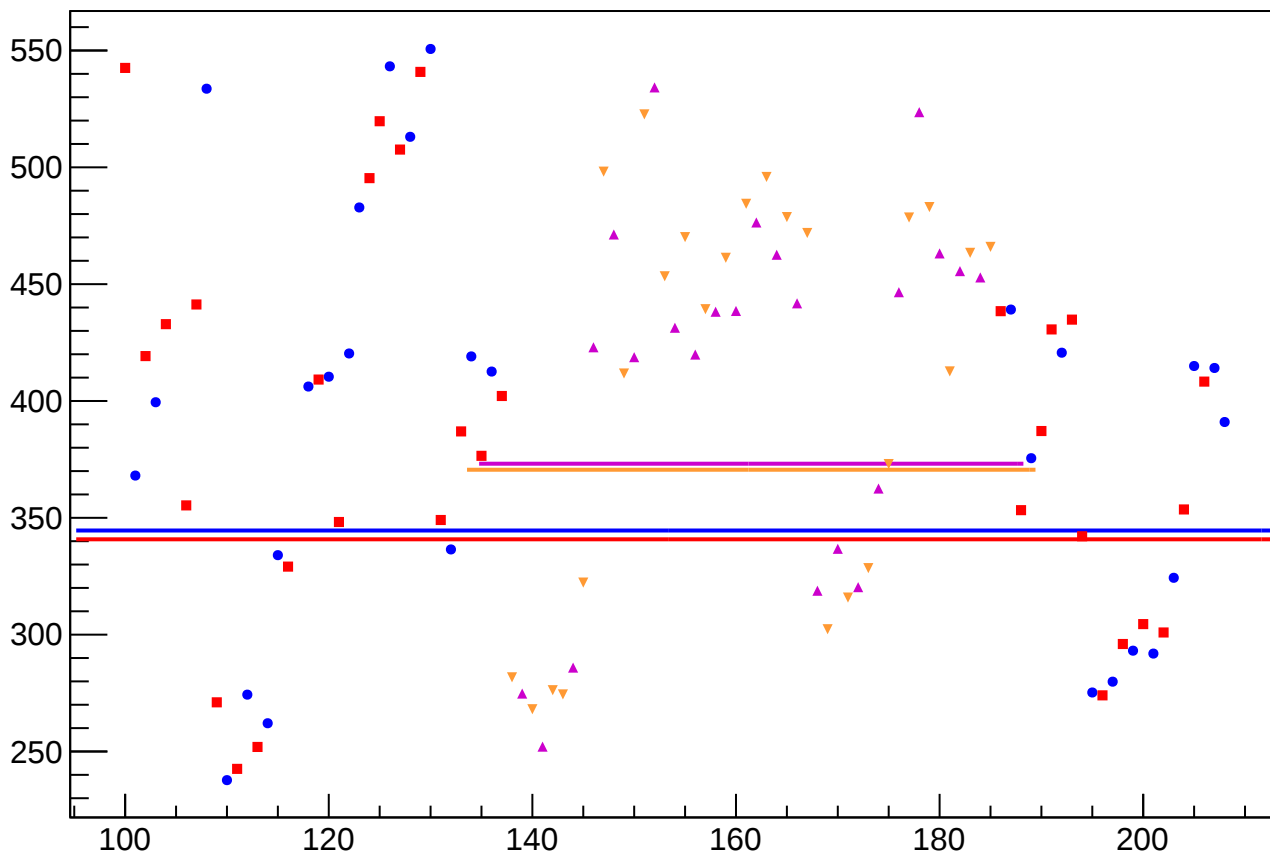
Left In: -27.763 ± 92.331 $\chi^2/\text{NDF}: 362.5/22$

+ sign 44.496 ± 64.403 $\chi^2/\text{NDF}: 2437.0/52$

All: -330.681 ± 45.573 $\chi^2/\text{NDF}: 5806.9/106$

- sign -706.971 ± 64.498 $\chi^2/\text{NDF}: 3301.9/53$

asym_bpm0r05WS_rms vs Slug



Right In: 344.575+/-0.066 χ^2/NDF : 1297712.5/27

Left Out: 370.580+/-0.063 χ^2/NDF : 1878118.9/24

Right Out: 340.803+/-0.064 χ^2/NDF : 1183650.4/30

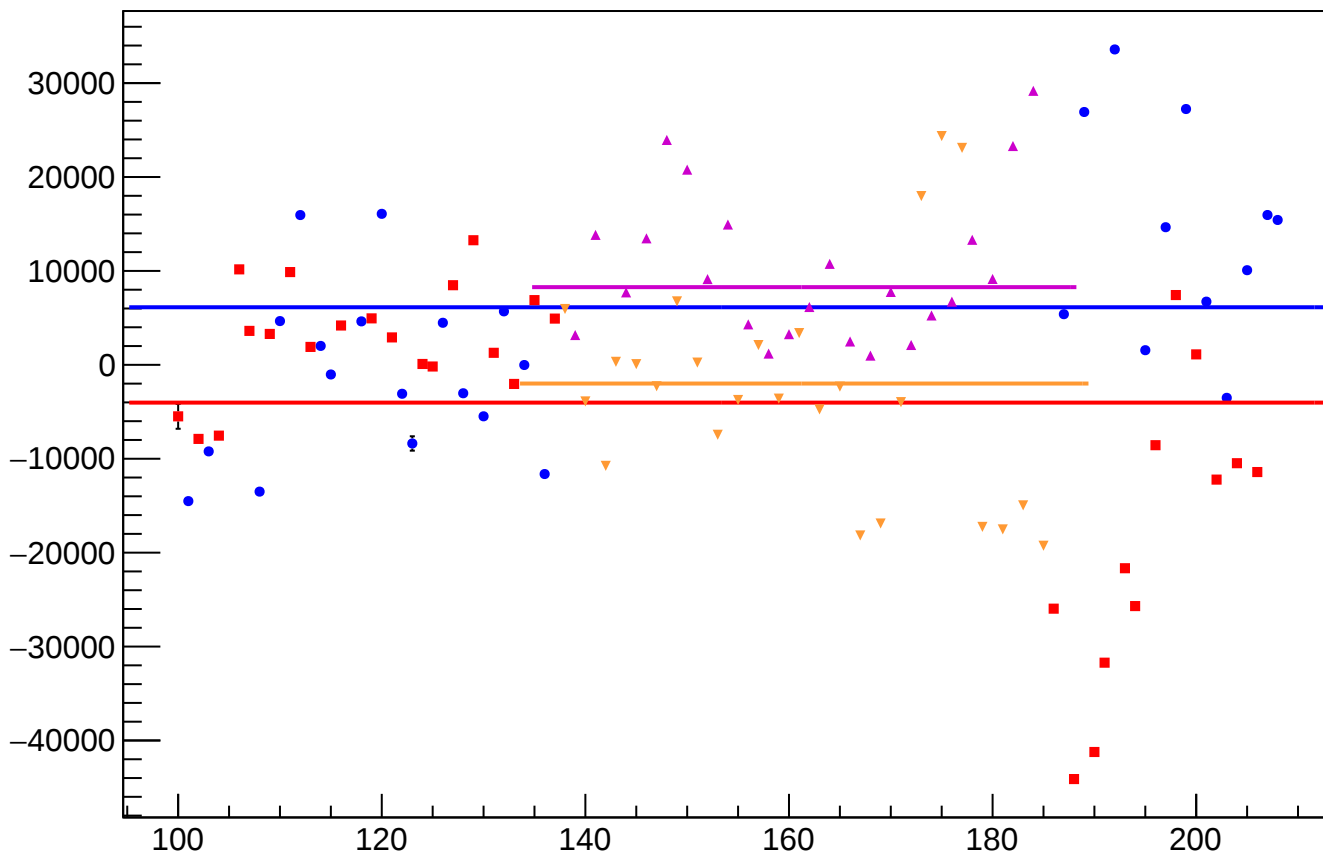
Left In: 373.161+/-0.065 χ^2/NDF : 1636244.2/22

+ sign 358.156+/-0.046 χ^2/NDF : 3257188.7/52

All: 357.375+/-0.032 χ^2/NDF : 6203439.7/106

- sign 356.593+/-0.046 χ^2/NDF : 2945663.1/53

asym_bpm0i02WS_mean vs Slug



Right In: 6131.702+/-42.020 χ^2/NDF : 90632.2/27

Left Out: -1991.788+/-42.427 χ^2/NDF : 63766.6/24

Right Out: -4023.041+/-40.528 χ^2/NDF : 134262.5/30

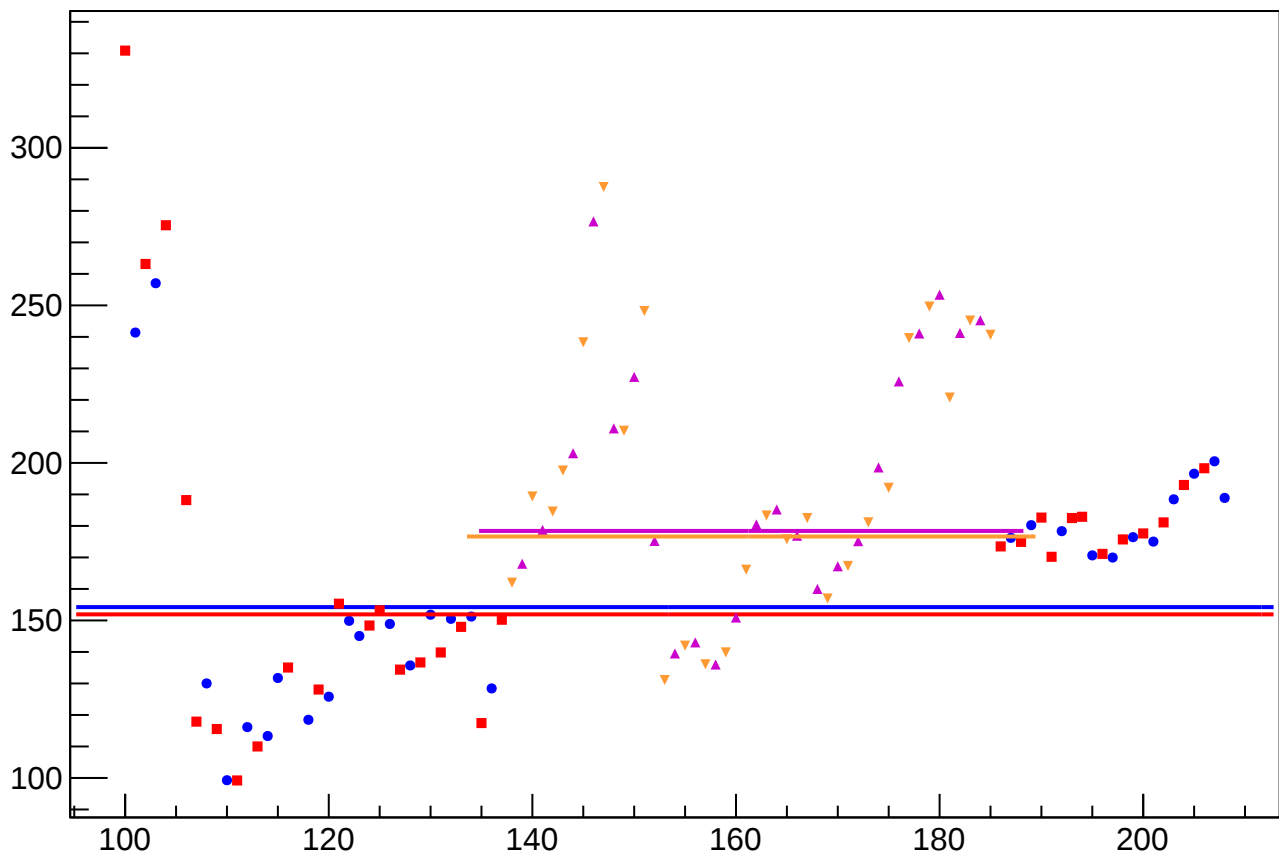
Left In: 8273.228+/-44.301 χ^2/NDF : 22870.2/22

+ sign 2109.106+/-29.855 χ^2/NDF : 172906.0/52

All: 1844.567+/-21.128 χ^2/NDF : 372136.2/10

- sign 1579.190+/-29.903 χ^2/NDF : 199073.0/53

asym_bpm0i02WS_rms vs Slug



Right In: 154.232 $\pm$ 0.030 χ^2 /NDF: 1290550.5/27

Left Out: 176.641 $\pm$ 0.030 χ^2 /NDF:1551048.8/24

Right Out: 151.924 $\pm$ 0.029 χ^2 /NDF: 1530358.7/30

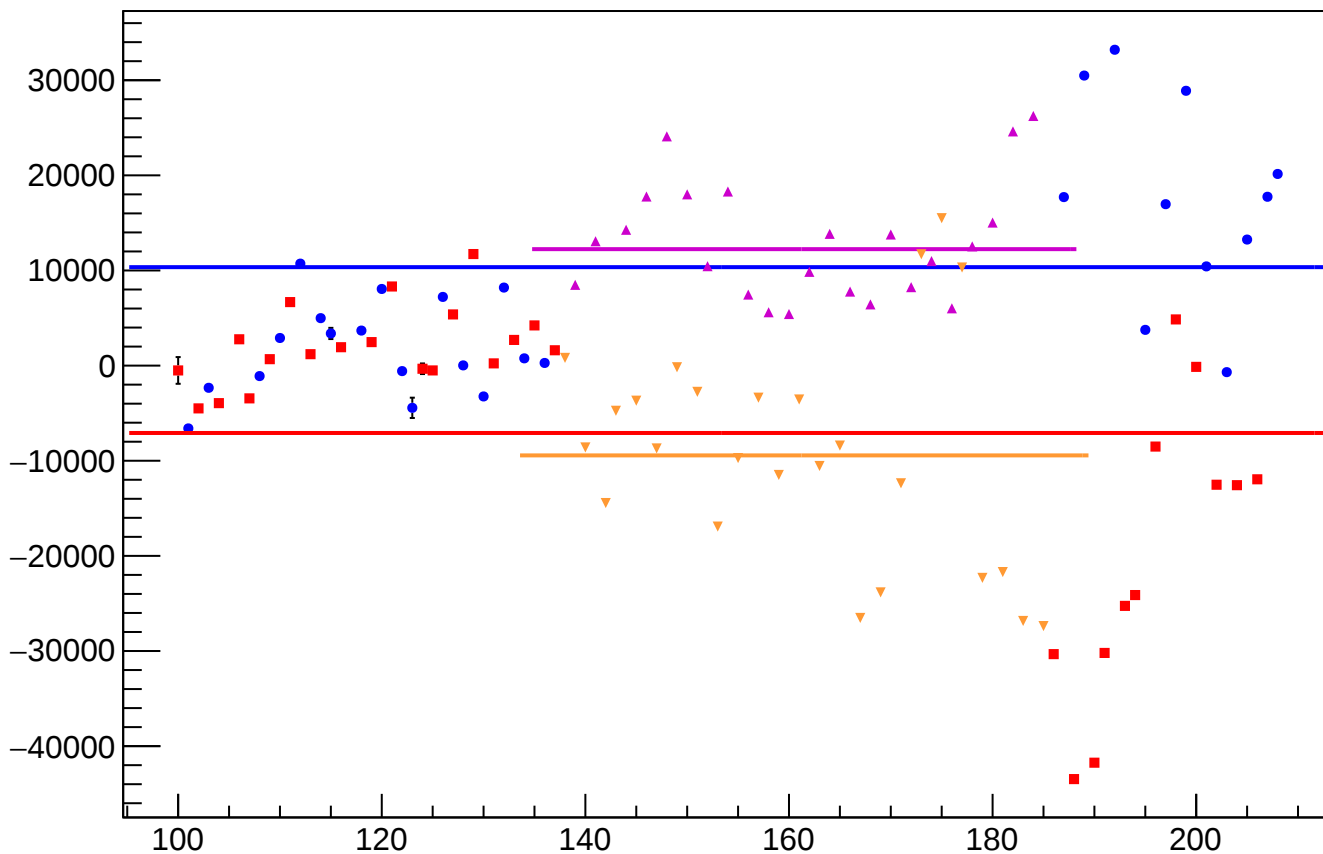
Left In: 178.413 $\pm$ 0.031 χ^2 /NDF:1293736.2/22

+ sign 165.328 $\pm$ 0.021 χ^2 /NDF: 3123259.6/52

All: 164.662 $\pm$ 0.015 χ^2 /NDF: 6338612.0/100

- sign 163.993 $\pm$ 0.021 χ^2 /NDF: 3213354.8/53

asym_bpm0i02aWS_mean vs Slug



Right In: 10349.784 $\pm$ 47.160 χ^2 /NDF: 52244.8/27

Left Out: -9437.408 $\pm$ 45.534 χ^2 /NDF:62220.4/24

Right Out: -7081.240 $\pm$ 45.710 χ^2 /NDF: 103613.1/30

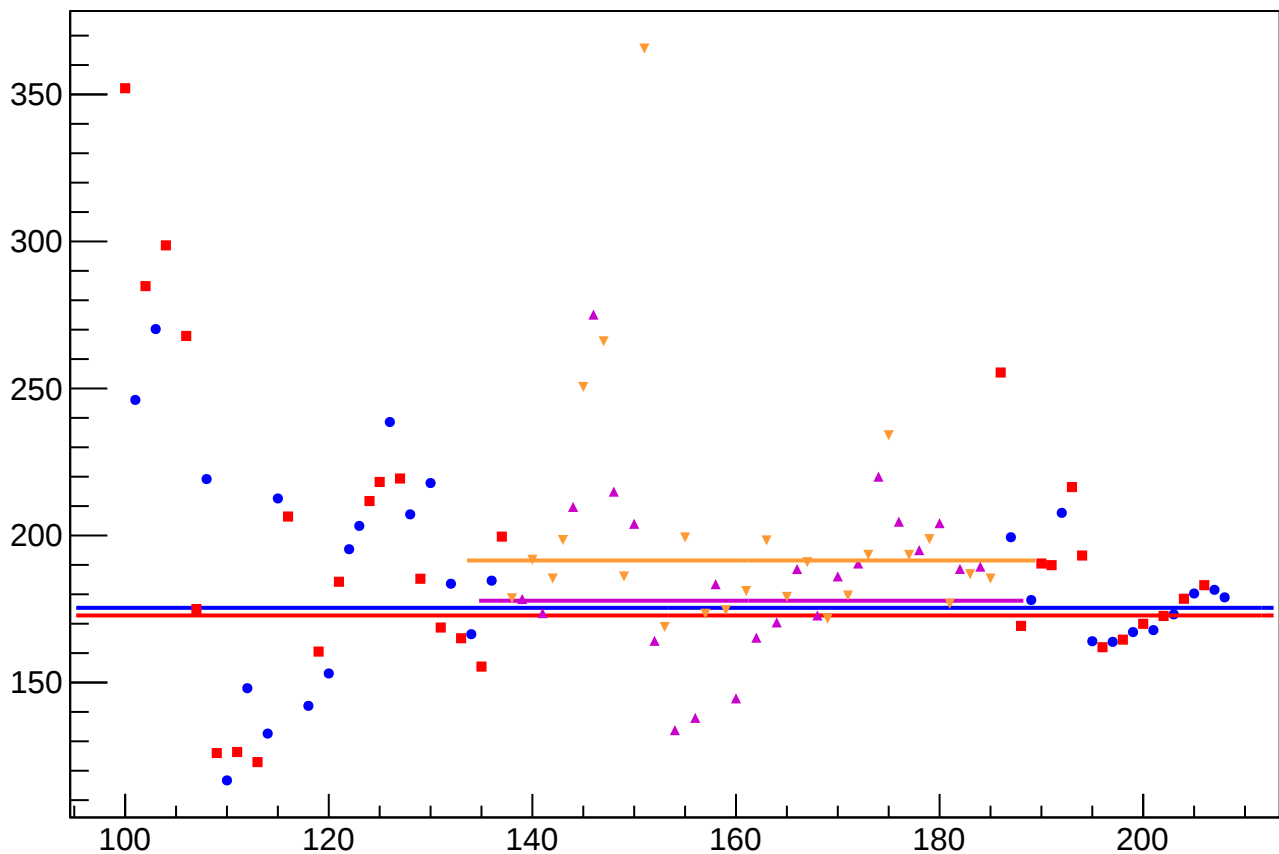
Left In: 12242.226 $\pm$ 43.944 χ^2 /NDF:16615.8/22

+ sign 109.340 $\pm$ 32.757 χ^2 /NDF: 205574.2/52

All: 1582.847 $\pm$ 22.772 χ^2 /NDF: 422590.8/10

- sign 2960.983 $\pm$ 31.679 χ^2 /NDF: 213100.7/53

asym_bpm0i02aWS_rms vs Slug



Right In: 175.401+/-0.033 χ^2/NDF : 762306.7/27

Left Out: 191.507+/-0.032 χ^2/NDF : 727251.6/24

Right Out: 172.808+/-0.032 χ^2/NDF : 1131650.6/30

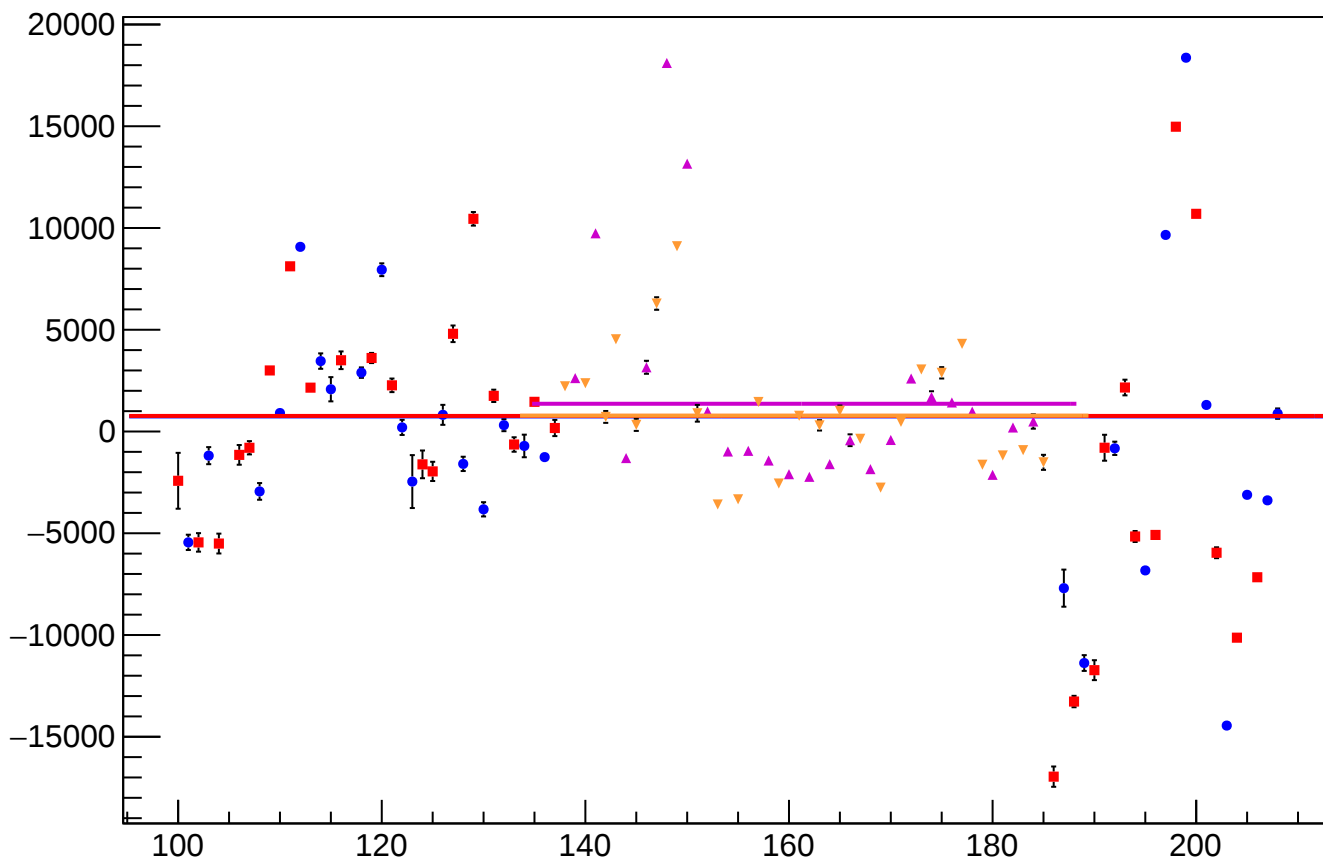
Left In: 177.821+/-0.031 χ^2/NDF : 862494.4/22

+ sign 183.736+/-0.023 χ^2/NDF : 1610281.0/52

All: 179.436+/-0.016 χ^2/NDF : 3683644.7/106

- sign 175.413+/-0.022 χ^2/NDF : 2006649.4/53

asym_bpm0i05WS_mean vs Slug



Right In: 740.666 $\pm$ 52.968 χ^2 /NDF: 20338.2/27

Left Out: 779.983 $\pm$ 47.457 χ^2 /NDF:4260.8/24

Right Out: 765.096 $\pm$ 51.727 χ^2 /NDF: 20346.1/30

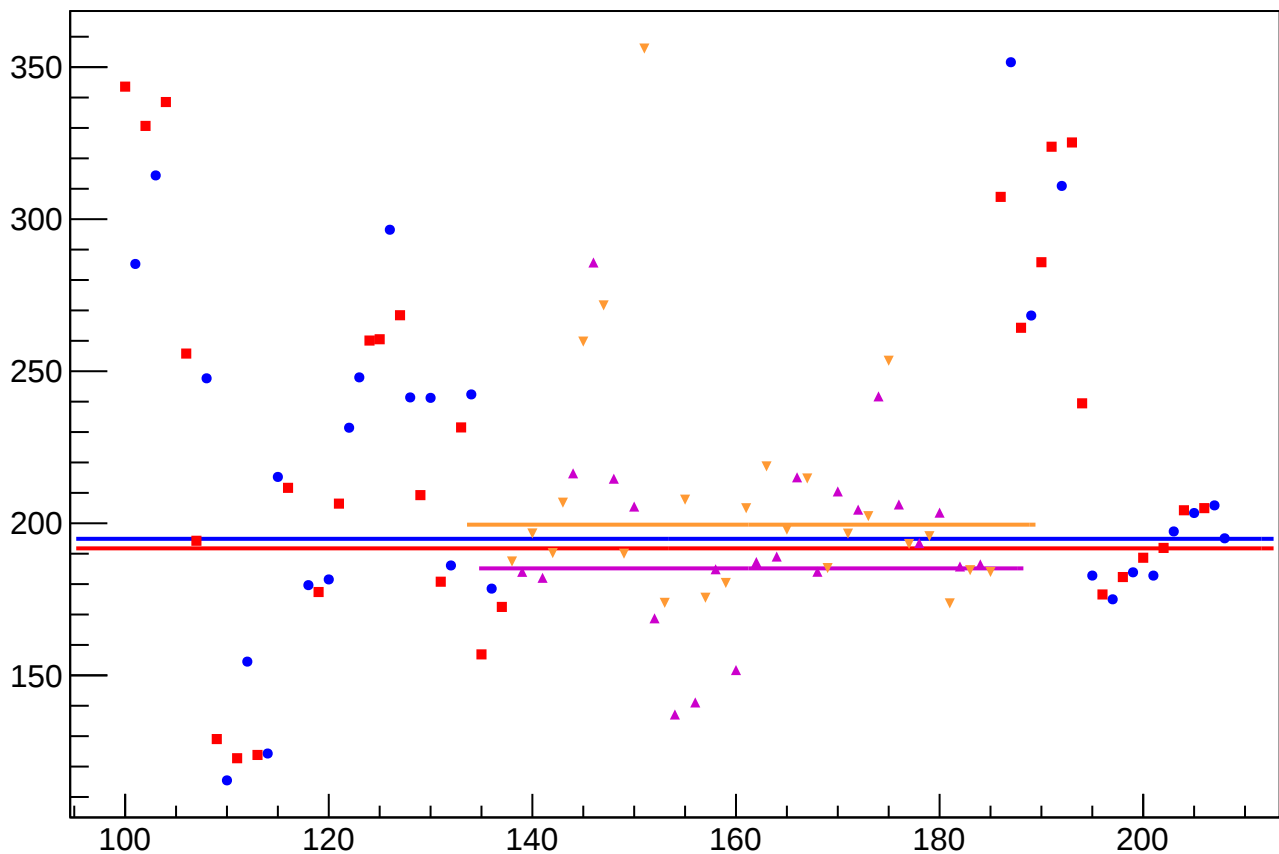
Left In: 1363.043 $\pm$ 45.807 χ^2 /NDF:11632.9/22

+ sign 762.475 $\pm$ 35.346 χ^2 /NDF: 24599.2/52

All: 936.457 $\pm$ 24.613 χ^2 /NDF: 56700.1/106

- sign 1100.234 $\pm$ 34.293 χ^2 /NDF: 32053.8/53

asym_bpm0i05WS_rms vs Slug



Right In: 194.893 ± 0.037 χ^2/NDF : 1415382.7/27

Left Out: 199.547 ± 0.034 χ^2/NDF : 729356.3/24

Right Out: 191.752 ± 0.037 χ^2/NDF : 2142233.6/30

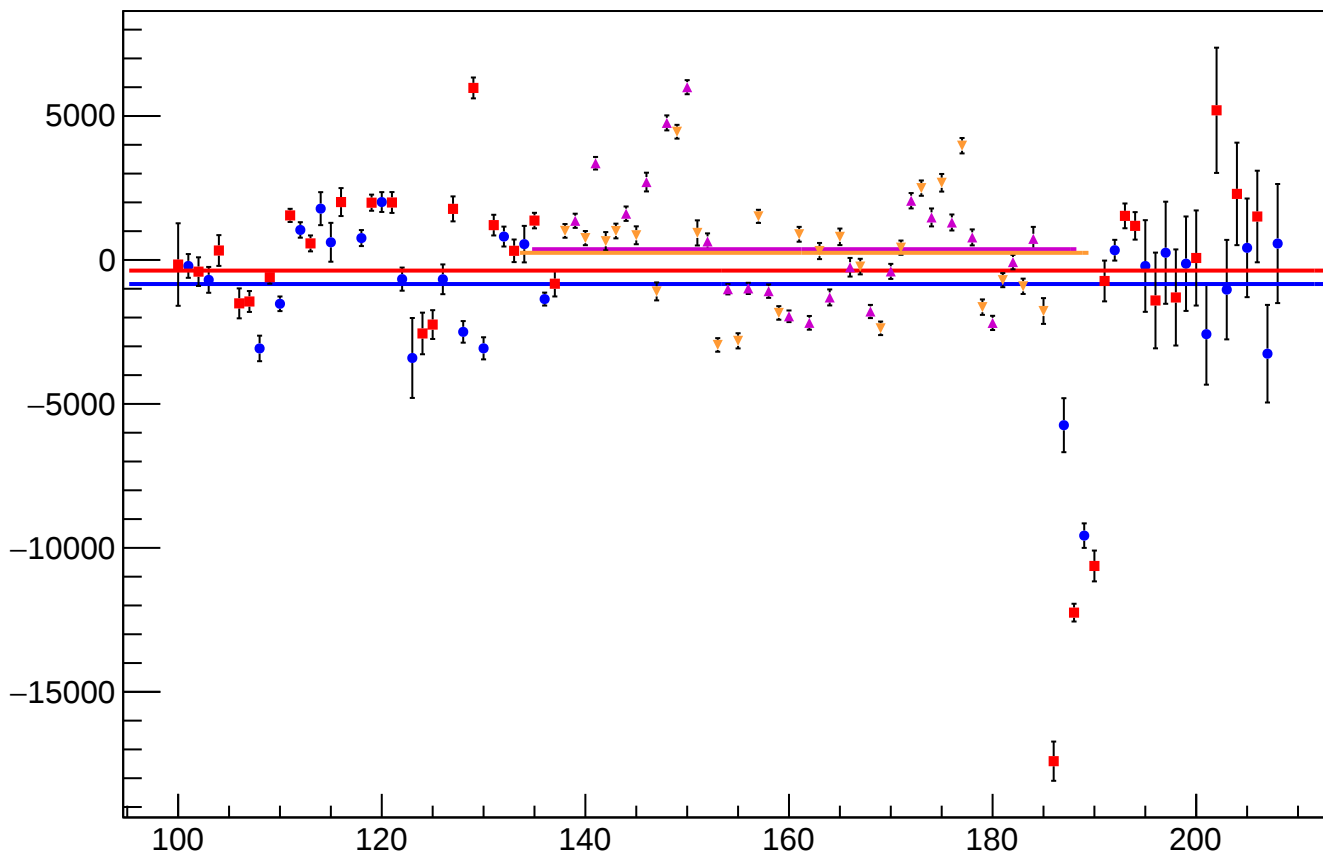
Left In: 185.171 ± 0.032 χ^2/NDF : 882752.2/22

+ sign 197.474 ± 0.025 χ^2/NDF : 2153304.1/52

All: 192.627 ± 0.017 χ^2/NDF : 5269472.7/106

- sign 188.063 ± 0.024 χ^2/NDF : 3043134.3/53

asym_bpm0i07WS_mean vs Slug



Right In: -835.946 ± 83.372 χ^2/NDF : 764.2/27

Left Out: 247.844 ± 53.555 χ^2/NDF : 1355.1/24

Right Out: -368.996 ± 74.990 χ^2/NDF : 3172.8/30

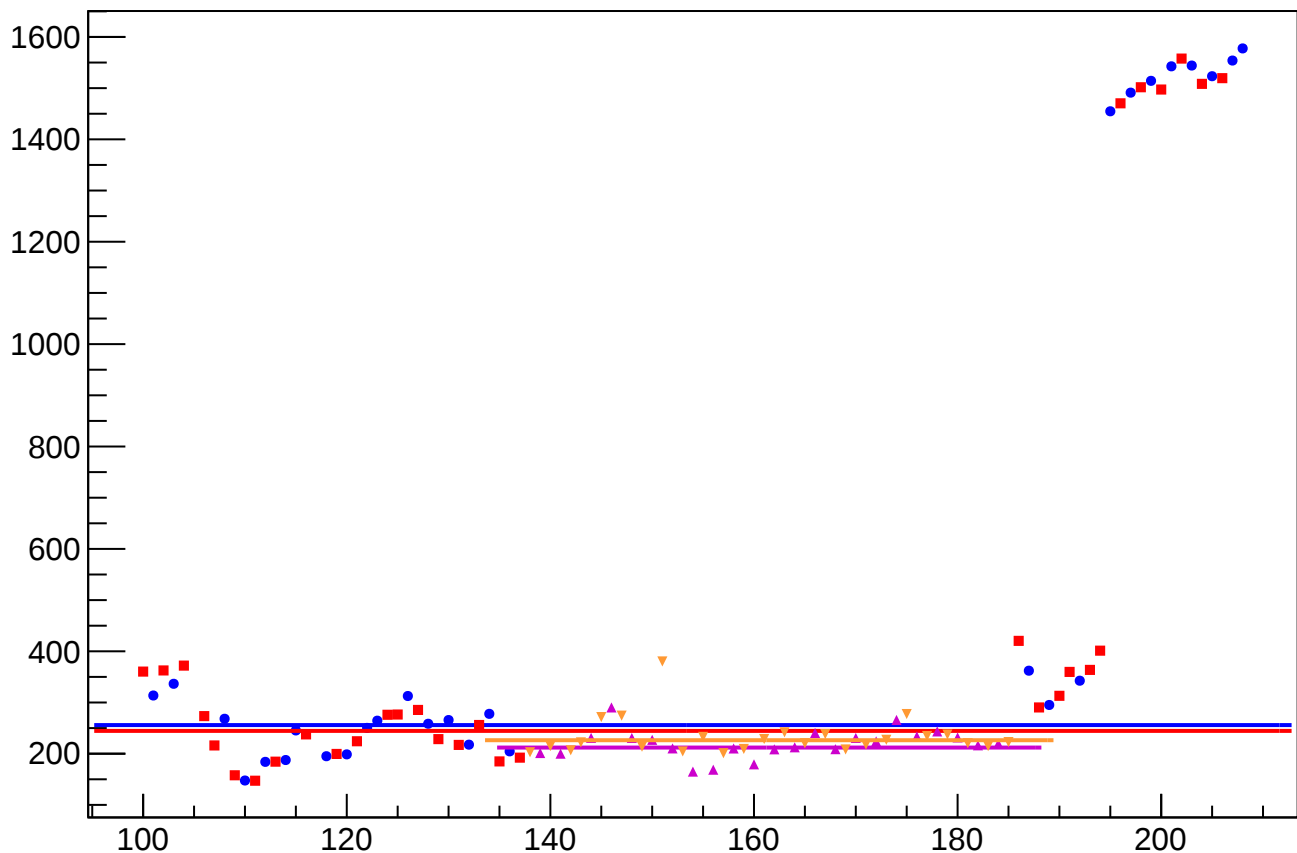
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -68.730 ± 45.059 χ^2/NDF : 2238.9/52

All: 37.163 ± 31.016 χ^2/NDF : 7289.5/106

- sign 132.517 ± 42.759 χ^2/NDF : 5040.1/53

asym_bpm0i07WS_rms vs Slug



Right In: 255.878+/-0.059 χ^2/NDF : 9660935.2/27

Left Out: 226.322+/-0.038 χ^2/NDF : 521041.8/24

Right Out: 244.547+/-0.053 χ^2/NDF : 8269831.4/30

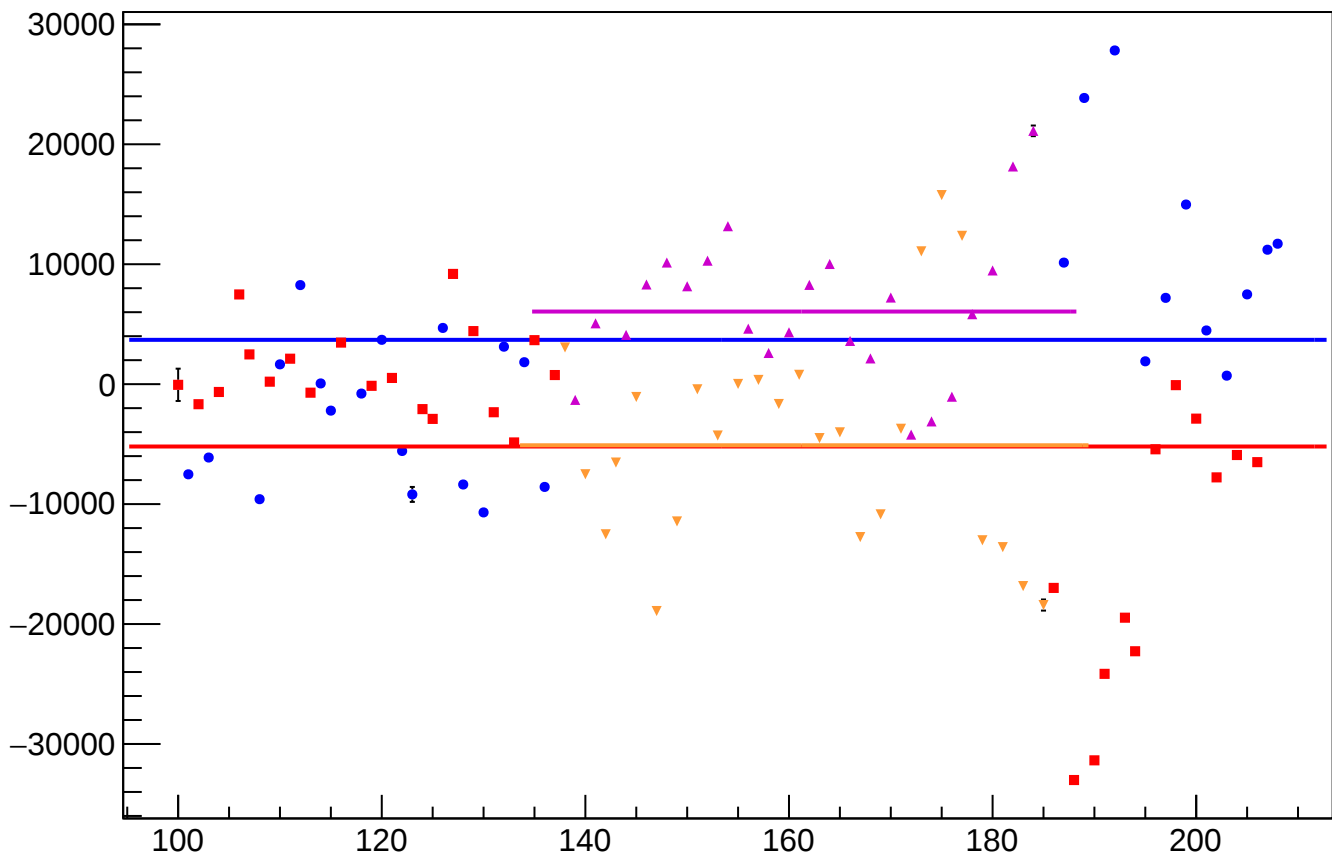
Left In: 211.970+/-0.037 χ^2/NDF : 584344.5/22

+ sign 234.955+/-0.032 χ^2/NDF : 10359912.7/52

All: 228.434+/-0.022 χ^2/NDF : 19548421.6/10

- sign 222.562+/-0.030 χ^2/NDF : 9108895.3/53

asym_bpm1i02WS_mean vs Slug



Right In: 3694.951+/-35.717 χ^2/NDF : 77238.0/27

Left Out: -5095.305+/-33.703 χ^2/NDF : 54395.4/24

Right Out: -5198.497+/-34.151 χ^2/NDF : 101070.7/30

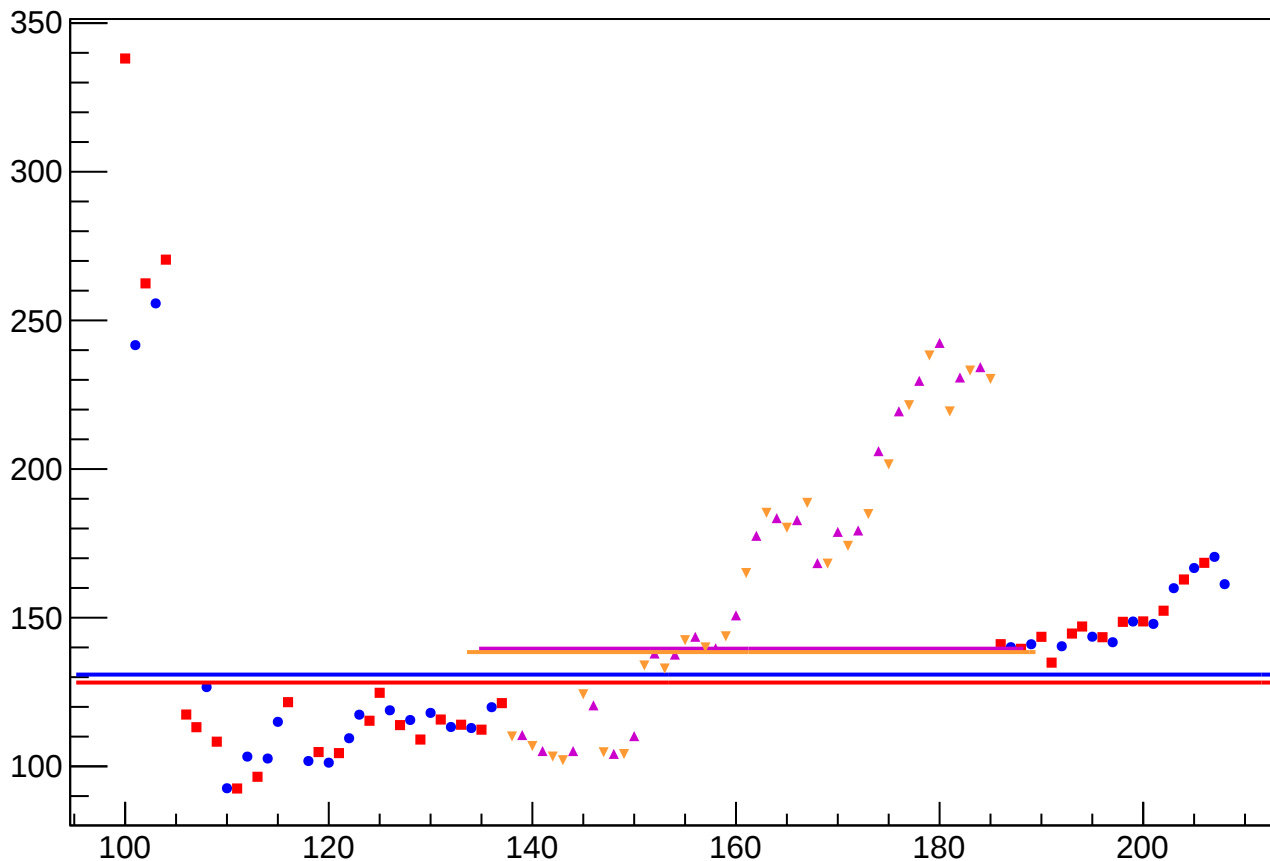
Left In: 6053.569+/-34.998 χ^2/NDF : 17590.3/22

+ sign -954.957+/-24.513 χ^2/NDF : 163673.1/52

All: -330.796+/-17.308 χ^2/NDF : 336575.5/10

- sign 289.783+/-24.443 χ^2/NDF : 171609.4/53

asym_bpm1i02WS_rms vs Slug



Right In: 130.866+/-0.025 χ^2/NDF : 1286966.5/27

Left Out: 138.436+/-0.024 χ^2/NDF : 2549435.8/24

Right Out: 128.185+/-0.024 χ^2/NDF : 1360974.7/30

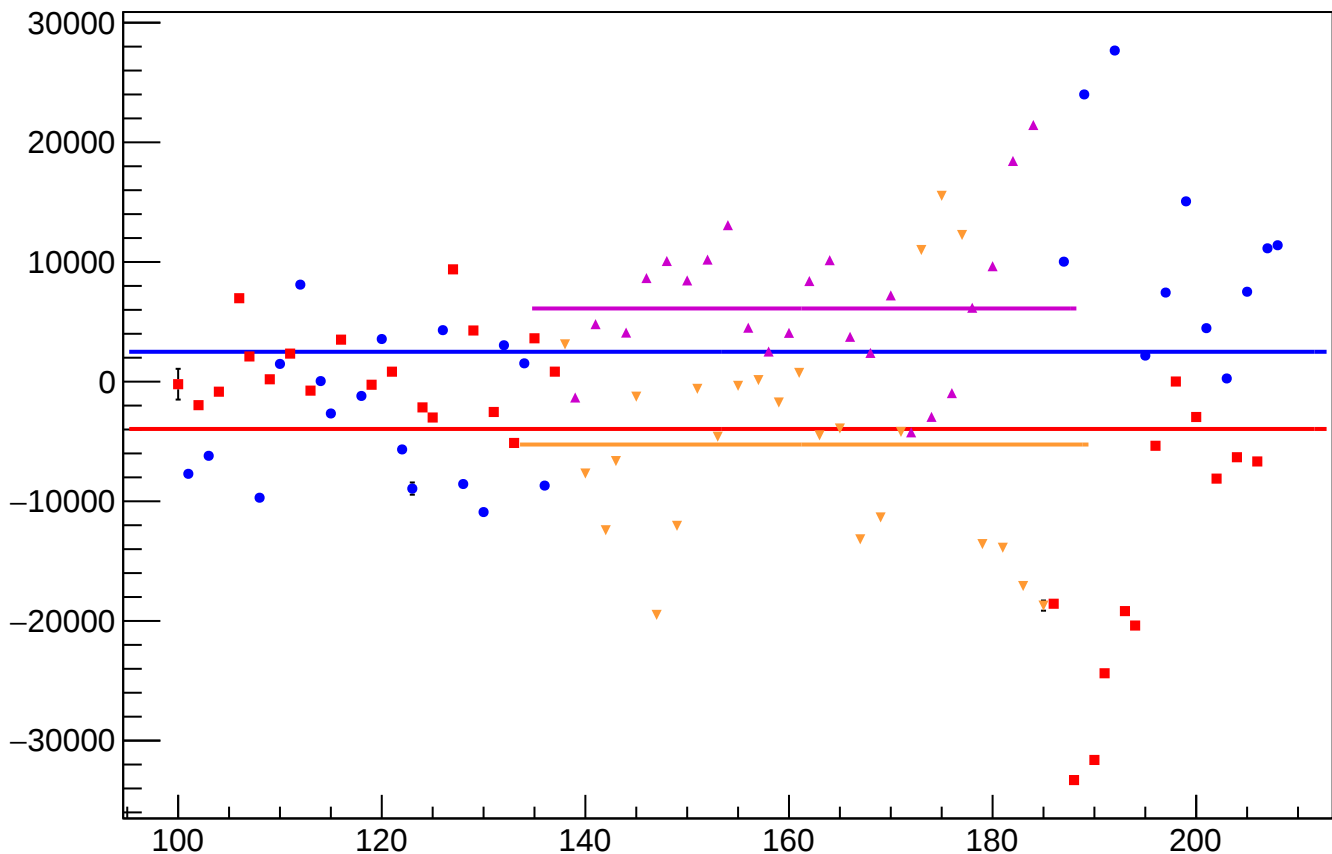
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 134.870+/-0.017 χ^2/NDF : 3883925.4/52

All: 134.304+/-0.012 χ^2/NDF : 7769241.4/100

- sign 133.742+/-0.017 χ^2/NDF : 3883191.9/53

asym_bpm1i04WS_mean vs Slug



Right In: 2495.779+/-31.900 χ^2/NDF : 86438.2/27

Left Out: -5255.652+/-30.622 χ^2/NDF : 64324.6/24

Right Out: -3954.318+/-30.647 χ^2/NDF : 108585.0/30

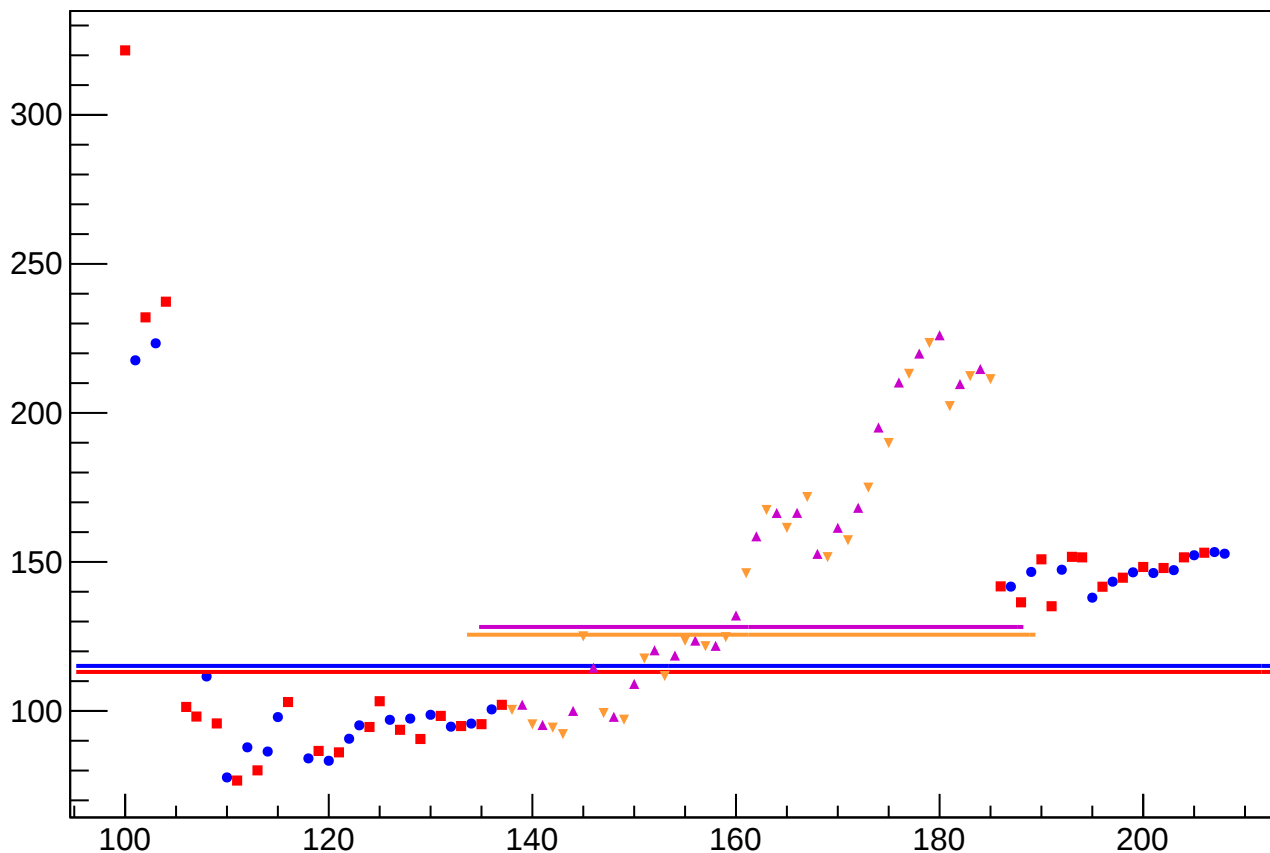
Left In: 6114.901+/-32.126 χ^2/NDF : 21260.9/22

+ sign -1538.349+/-22.091 χ^2/NDF : 181491.5/52

All: -352.094+/-15.650 χ^2/NDF : 368559.7/10

- sign 843.177+/-22.175 χ^2/NDF : 181279.3/53

asym_bpm1i04WS_rms vs Slug



Right In: 115.110 $\pm$ 0.023 χ^2 /NDF: 1969918.7/27

Left Out: 125.577 $\pm$ 0.022 χ^2 /NDF: 2595752.6/24

Right Out: 113.086 $\pm$ 0.022 χ^2 /NDF: 2156137.7/30

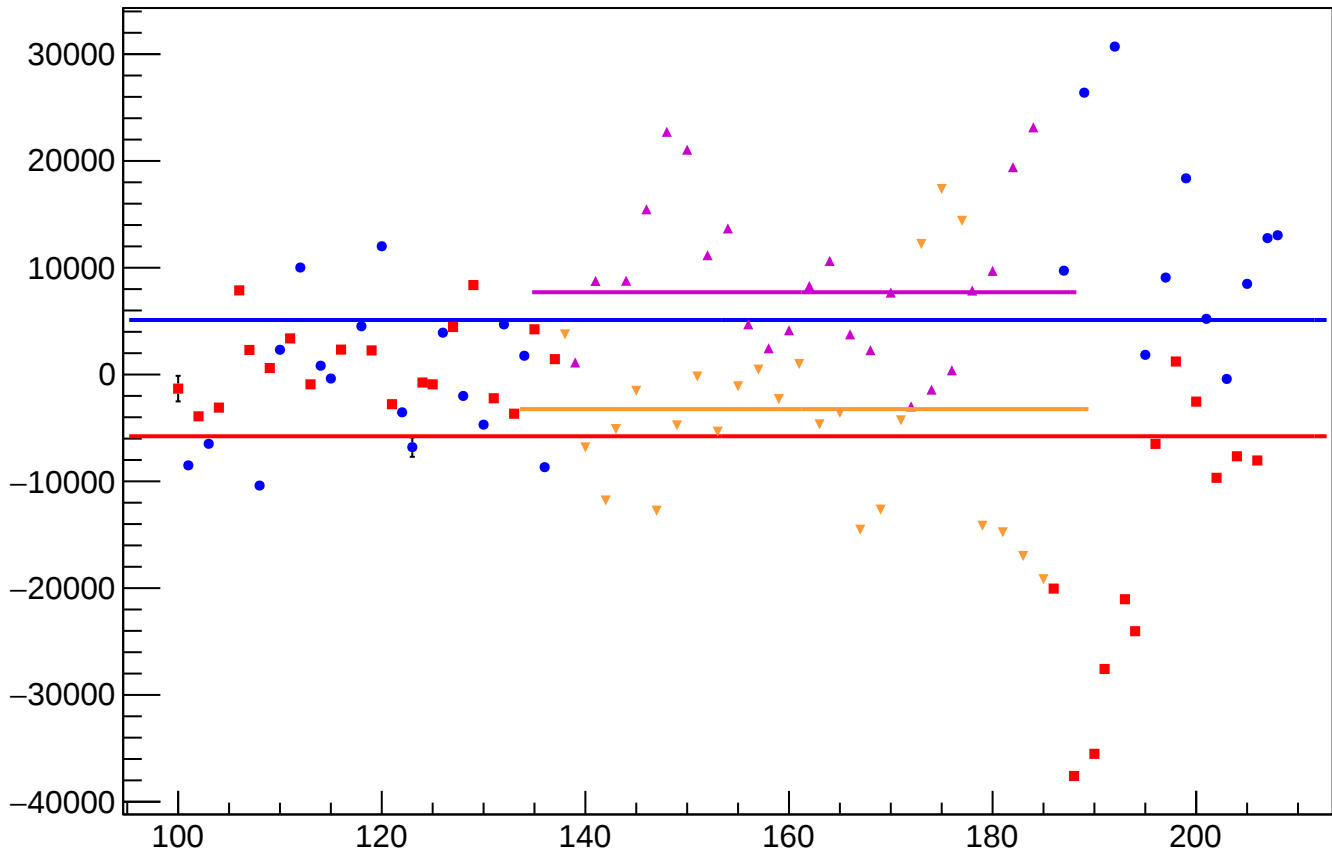
Left In: 128.184 $\pm$ 0.023 χ^2 /NDF: 2332977.5/22

+ sign 120.558 $\pm$ 0.016 χ^2 /NDF: 4677730.1/52

All: 120.419 $\pm$ 0.011 χ^2 /NDF: 9398255.9/106

- sign 120.279 $\pm$ 0.016 χ^2 /NDF: 4720367.7/53

asym_bpm1i06WS_mean vs Slug



Right In: 5107.451+/-42.304 χ^2/NDF : 60976.7/27

Left Out: -3234.922+/-40.583 χ^2/NDF : 36739.9/24

Right Out: -5778.378+/-40.523 χ^2/NDF : 90553.8/30

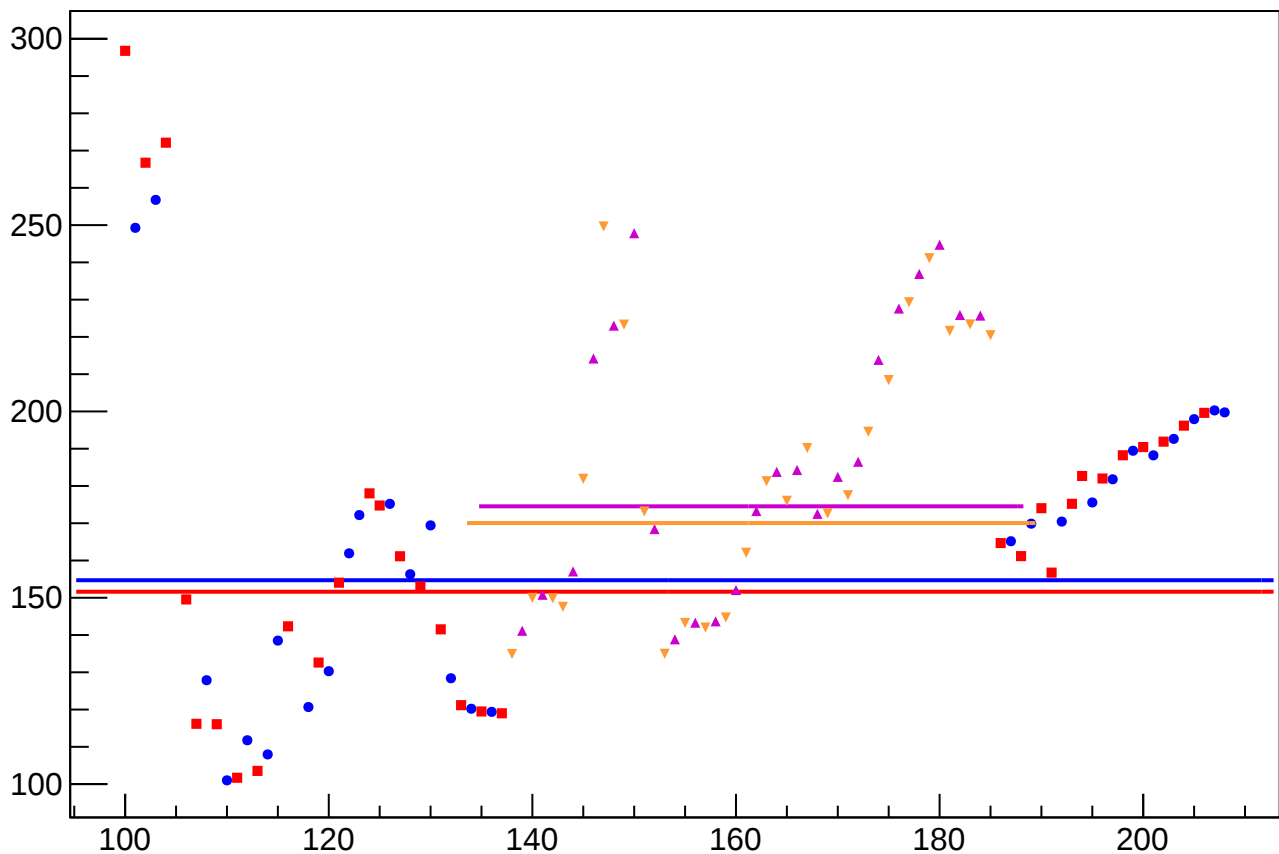
Left In: 7707.068+/-42.990 χ^2/NDF : 21268.3/22

+ sign 763.133+/-29.286 χ^2/NDF : 117968.2/52

All: 665.430+/-20.779 χ^2/NDF : 281916.9/106

- sign 566.375+/-29.488 χ^2/NDF : 163926.3/53

asym_bpm1i06WS_rms vs Slug



Right In: 154.707 $\pm$ 0.030 χ^2 /NDF: 1536888.3/27

Left Out: 170.050 $\pm$ 0.029 χ^2 /NDF:1240866.9/24

Right Out: 151.623 $\pm$ 0.029 χ^2 /NDF: 1639459.5/30

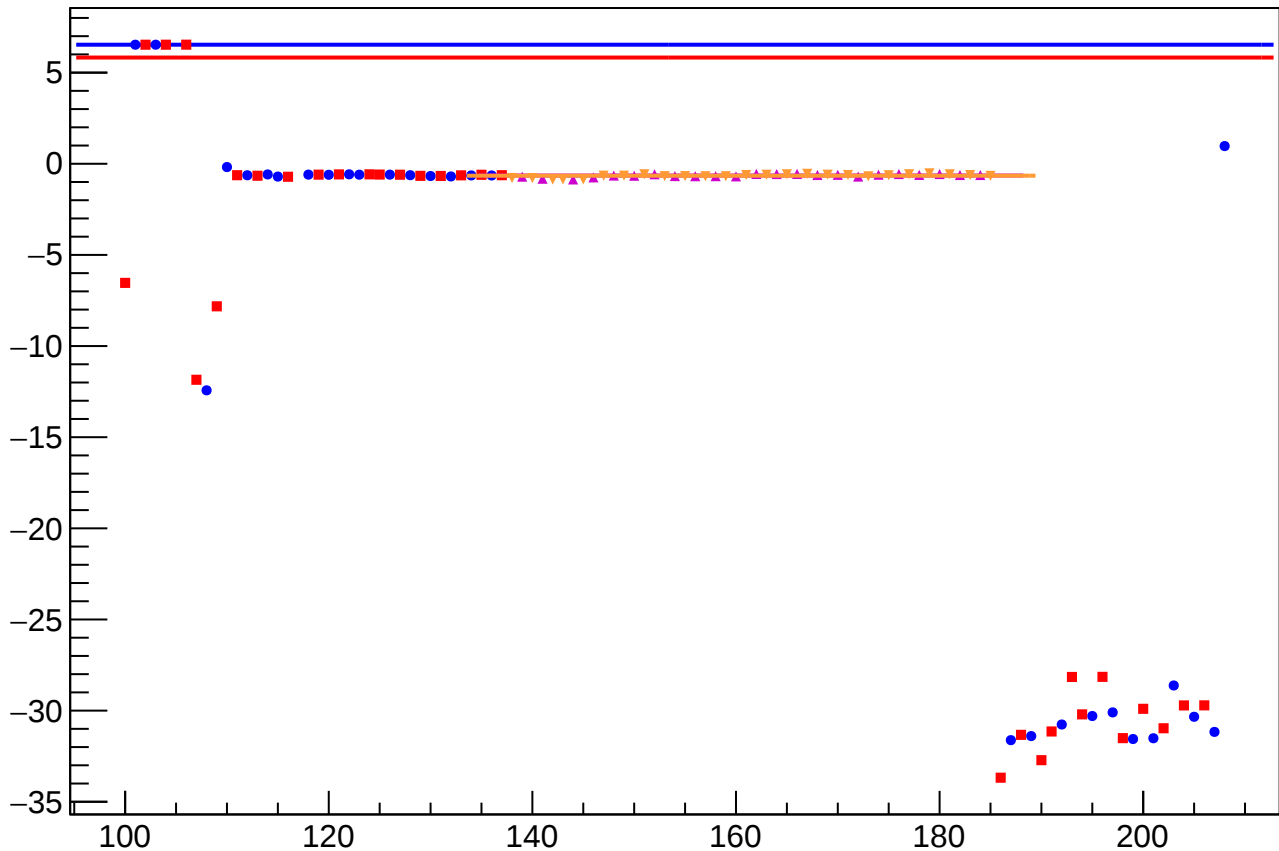
Left In: 174.539 $\pm$ 0.030 χ^2 /NDF:1210071.2/22

+ sign 162.697 $\pm$ 0.021 χ^2 /NDF: 2914742.6/52

All: 162.552 $\pm$ 0.015 χ^2 /NDF: 6065298.5/106

- sign 162.405 $\pm$ 0.021 χ^2 /NDF: 3150457.0/53

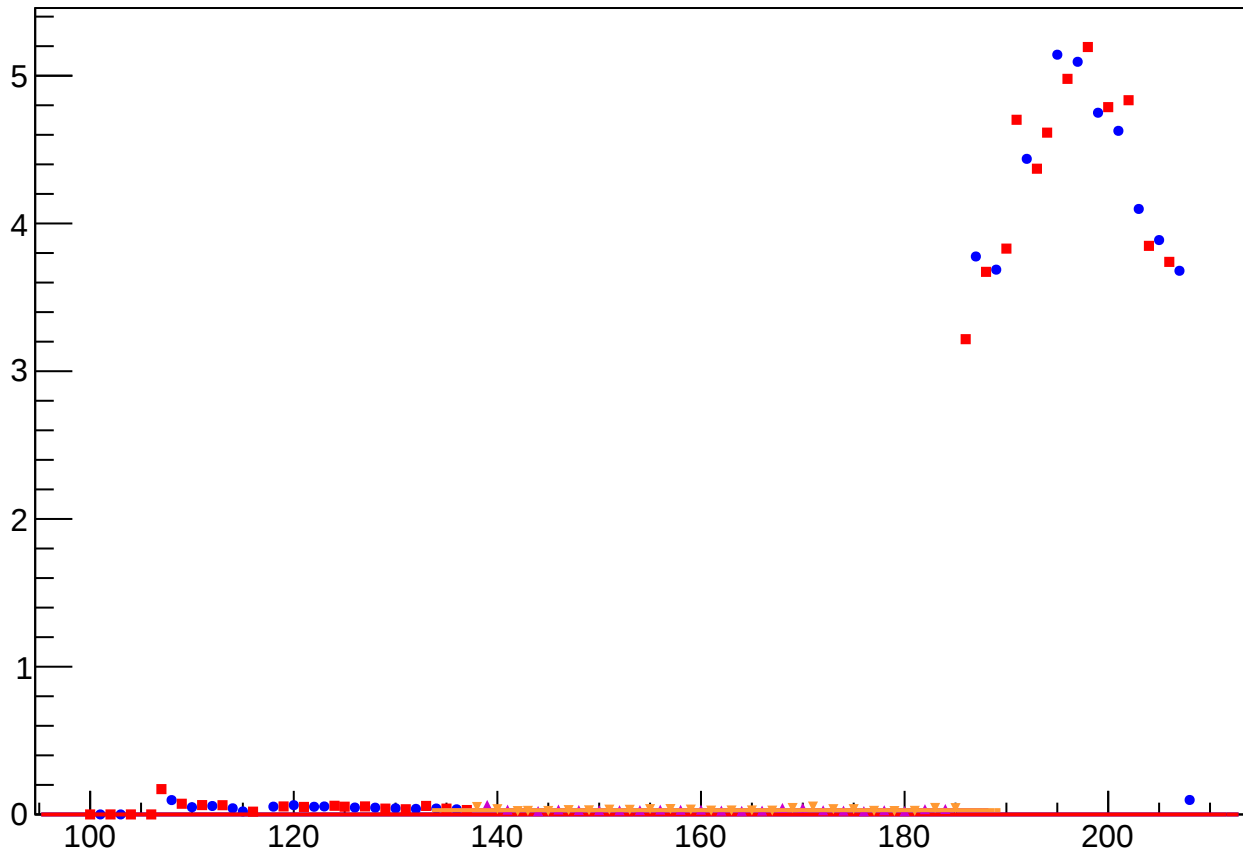
yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 129910336814.7/27
 Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179109810.4/24
 Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755947893243945.9/30
 Left In: -0.644 $\pm$ 0.000 χ^2 /NDF: 122913584.0/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 1001298544985.1/52
 All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77760410098911
 - sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756619237837132.1/

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 24080500.5/27

Left Out: 0.029+/-0.000 χ^2/NDF :1487017.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 24929397.8/30

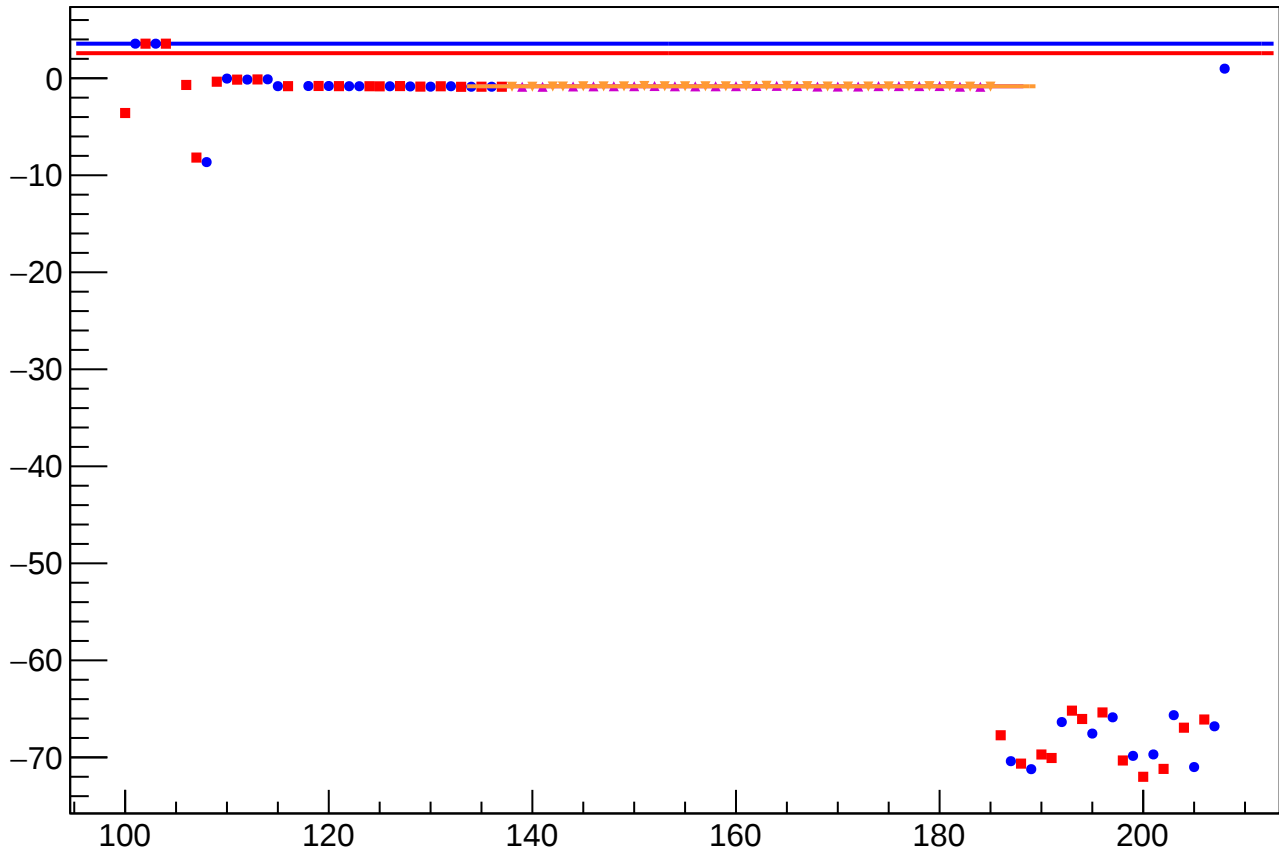
Left In: 0.029+/-0.000 χ^2/NDF :1164030.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 53951727.9/52

All: 0.000+/-0.000 χ^2/NDF : 106847528.3/106

- sign 0.000+/-0.000 χ^2/NDF : 52895078.9/53

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 530127462528.1/27

Left Out: -0.828+/-0.000 χ^2/NDF : 168178464.8/24

Right Out: 2.583+/-0.000 χ^2/NDF : 1253533783353776.2/30

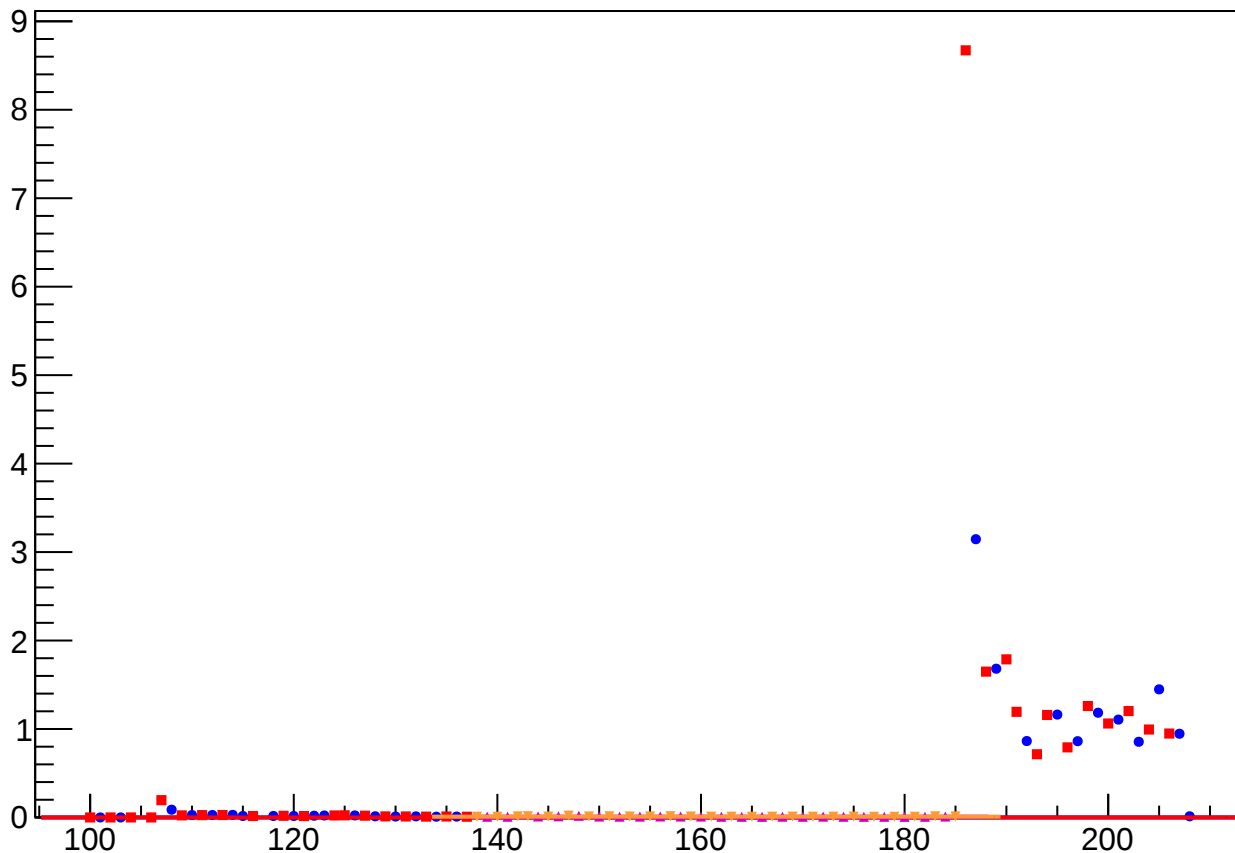
Left In: -0.827+/-0.000 χ^2/NDF : 172640246.1/22

+ sign 3.560+/-0.000 χ^2/NDF : 4212234061451.9/52

All: 3.038+/-0.000 χ^2/NDF : 13880147500335

- sign 2.581+/-0.000 χ^2/NDF : 1255733834958311.0

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 22266807.8/27

Left Out: 0.009+/-0.000 χ^2/NDF :1454710.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 23066551.2/30

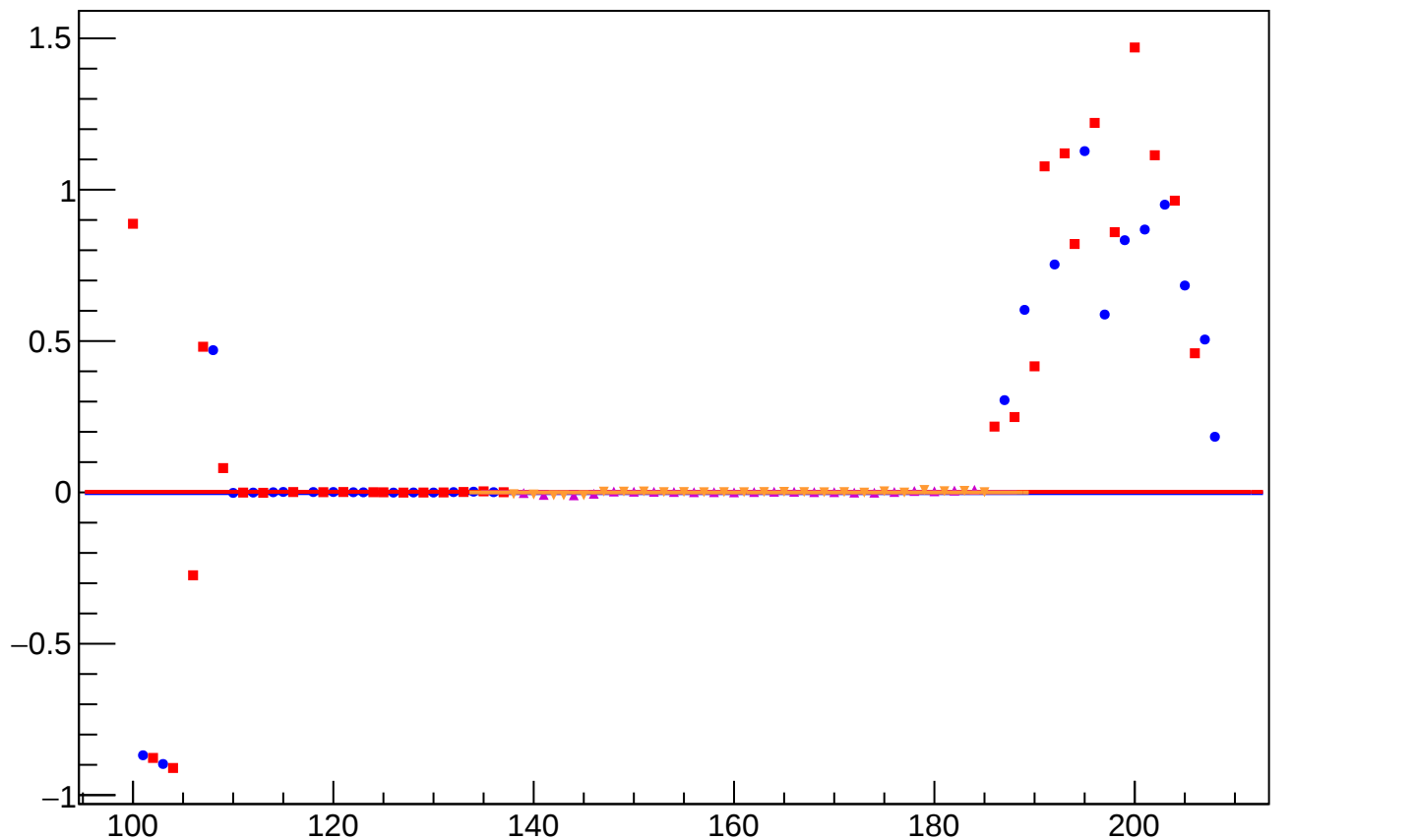
Left In: 0.009+/-0.000 χ^2/NDF :1041524.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 53674578.3/52

All: 0.000+/-0.000 χ^2/NDF : 106287893.1/106

- sign 0.000+/-0.000 χ^2/NDF : 52612026.7/53

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 $\chi^2/\text{NDF}: 9797101725.2/27$

Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 151482851.1/24$

Right Out: 0.002 ± 0.000 $\chi^2/\text{NDF}: 3043679398.6/30$

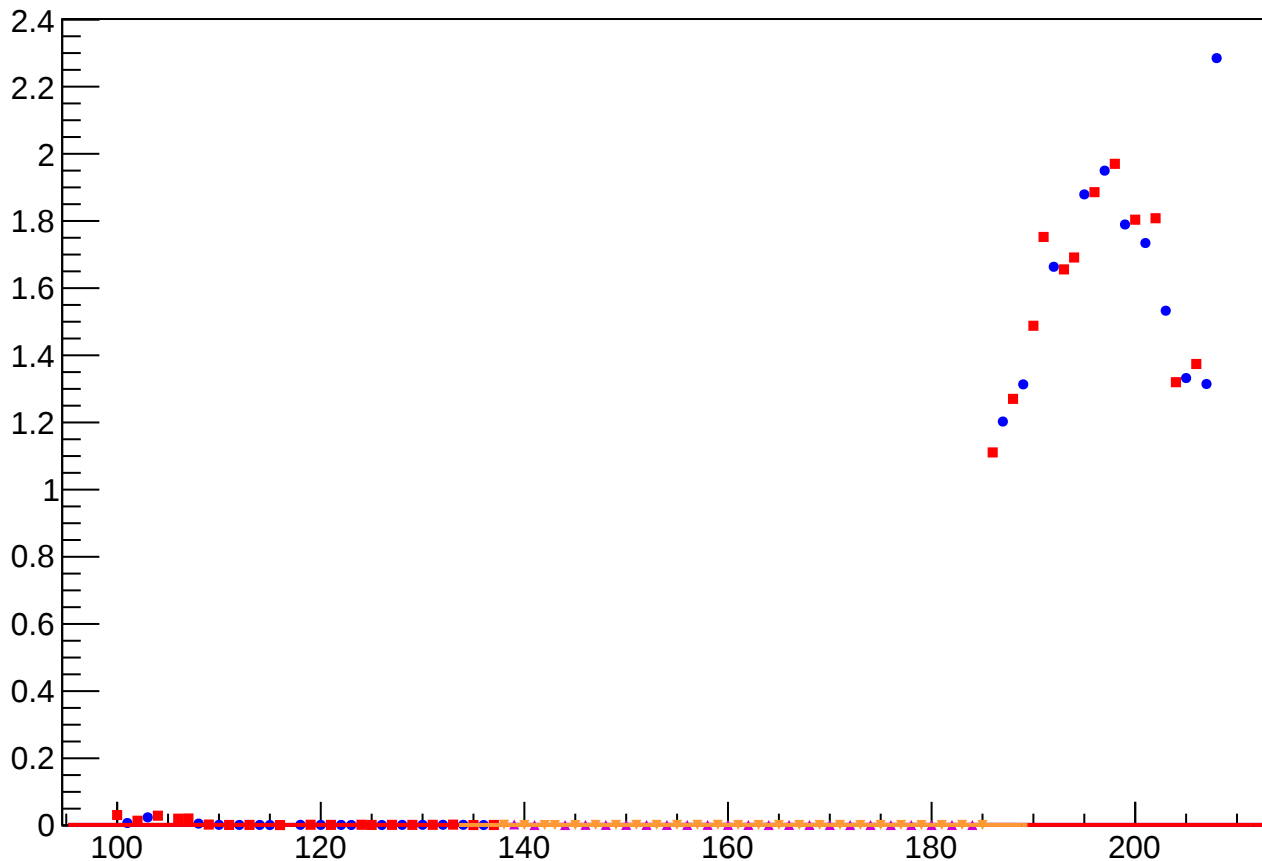
Left In: 0.001 ± 0.000 $\chi^2/\text{NDF}: 101439617.3/22$

+ sign -0.001 ± 0.000 $\chi^2/\text{NDF}: 9955116127.7/52$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 13109784944.3/103$

- sign 0.001 ± 0.000 $\chi^2/\text{NDF}: 3147087503.0/53$

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 16959569.2/27

Left Out: 0.001+/-0.000 χ^2/NDF : 539817.3/24

Right Out: 0.002+/-0.000 χ^2/NDF : 18561242.3/30

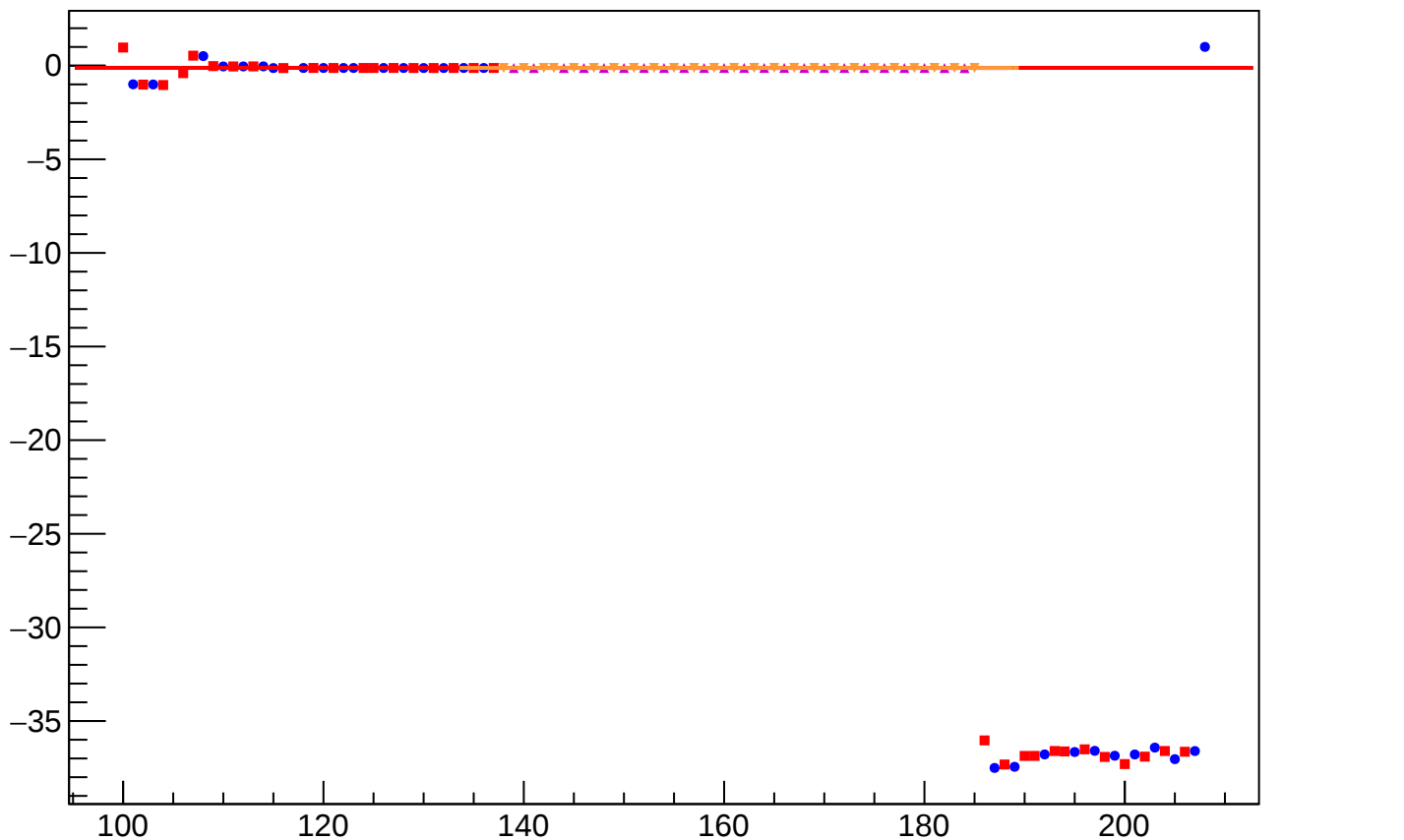
Left In: 0.001+/-0.000 χ^2/NDF : 626044.8/22

+ sign 0.002+/-0.000 χ^2/NDF : 17571988.2/52

All: 0.002+/-0.000 χ^2/NDF : 36878761.4/106

- sign 0.002+/-0.000 χ^2/NDF : 19297832.1/53

yield_cav4cY_mean vs Slug



Right In: -0.118+/-0.000 χ^2/NDF : 73101868843.3/27

Left Out: -0.121+/-0.000 χ^2/NDF : 58120109.3/24

Right Out: -0.116+/-0.000 χ^2/NDF : 68419227911.5/30

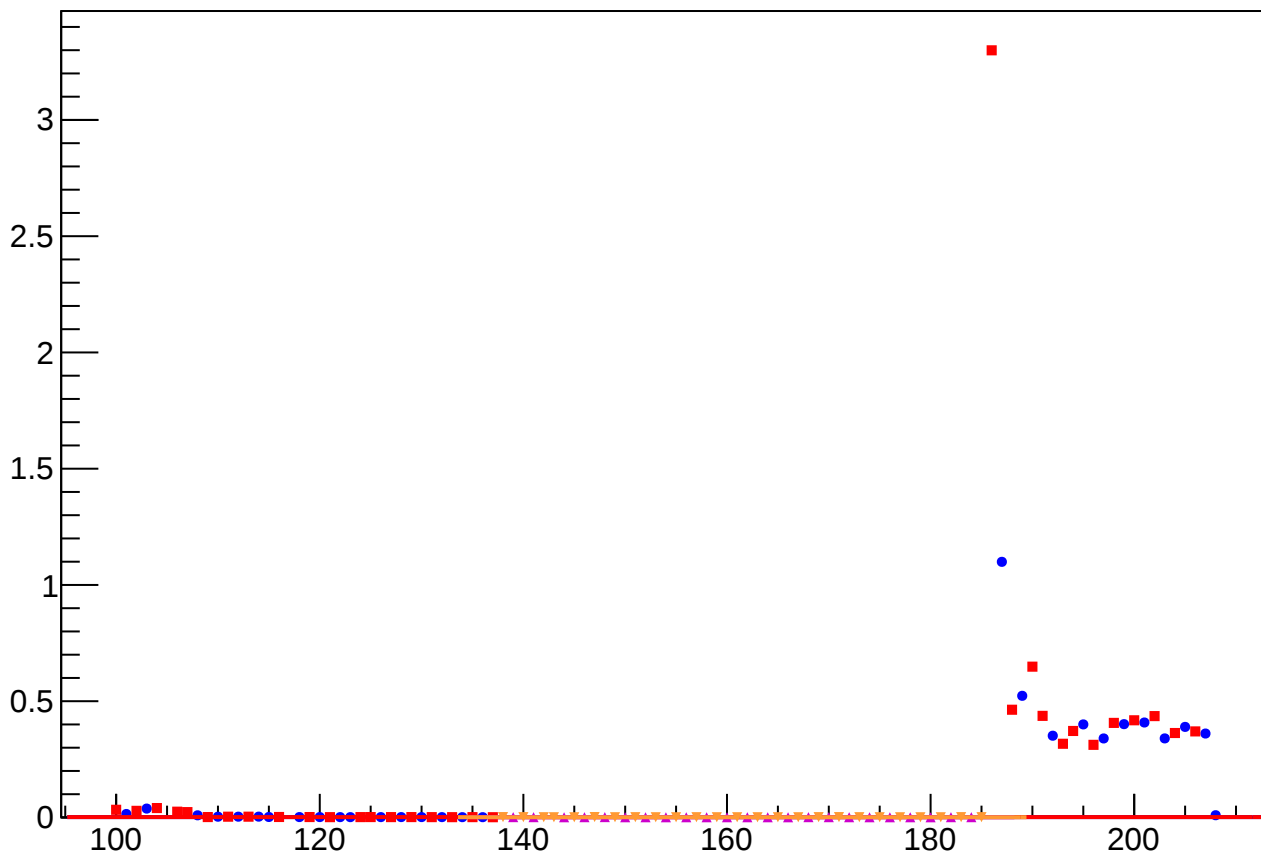
Left In: -0.121+/-0.000 χ^2/NDF : 52113932.9/22

+ sign -0.121+/-0.000 χ^2/NDF : 73179798994.6/52

All: -0.121+/-0.000 χ^2/NDF : 141687408178.3

- sign -0.120+/-0.000 χ^2/NDF : 68506696928.1/53

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 16939731.4/27

Left Out: 0.001+/-0.000 χ^2/NDF :1363316.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 18510045.9/30

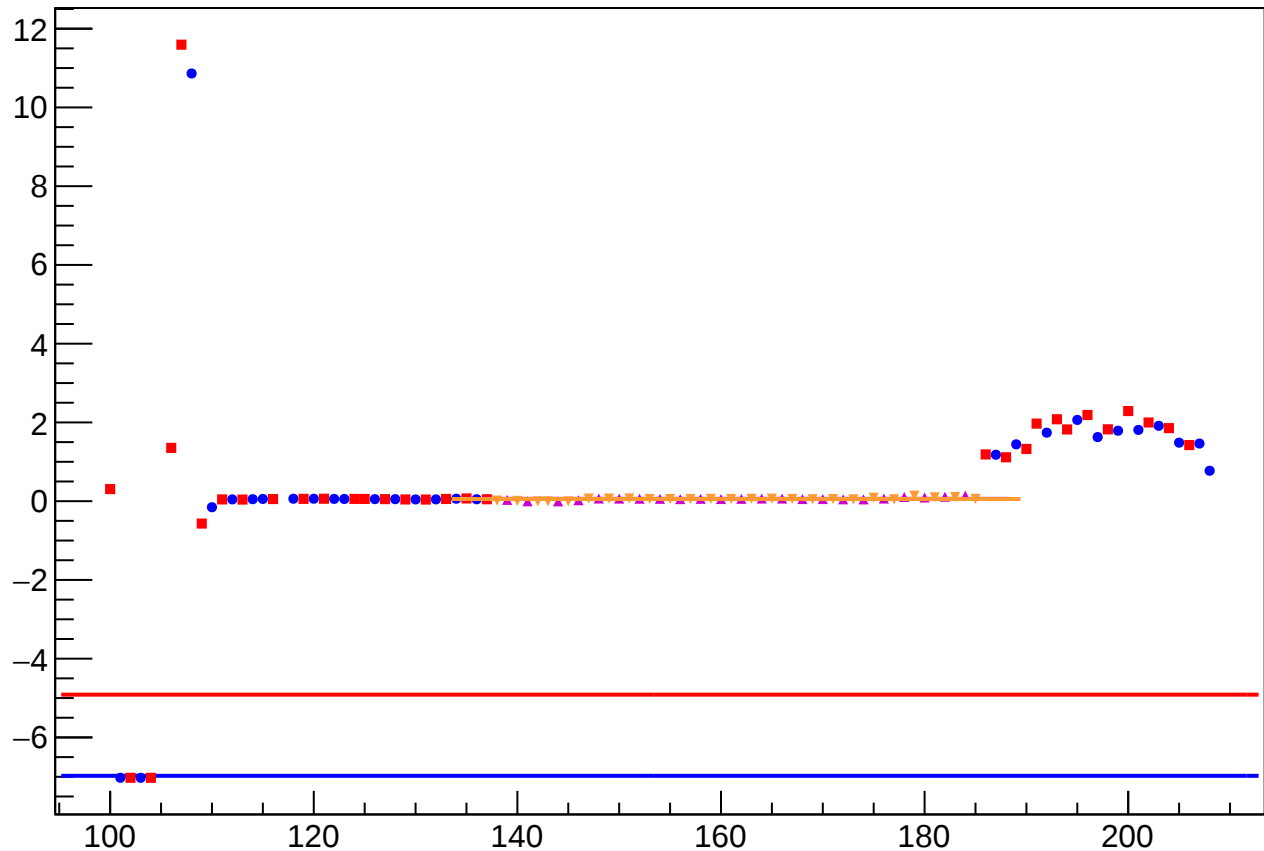
Left In: 0.001+/-0.000 χ^2/NDF :970801.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 19628269.7/52

All: 0.001+/-0.000 χ^2/NDF : 40253328.5/106

- sign 0.001+/-0.000 χ^2/NDF : 20624062.5/53

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 $\chi^2/\text{NDF}: 8797691932676.1/27$

Left Out: 0.055 ± 0.000 $\chi^2/\text{NDF}: 243682351.4/24$

Right Out: -4.914 ± 0.000 $\chi^2/\text{NDF}: 365352838958624.2/30$

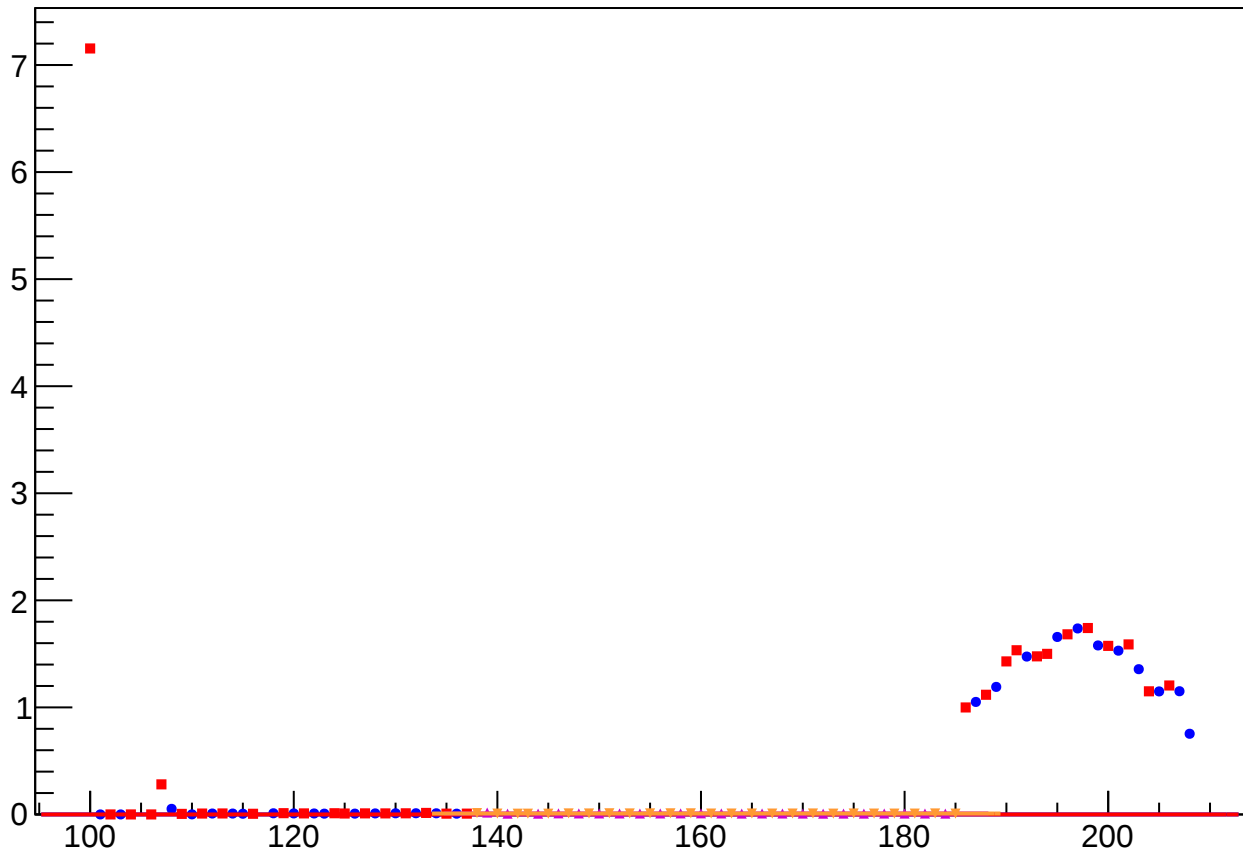
Left In: 0.059 ± 0.000 $\chi^2/\text{NDF}: 178541521.9/22$

+ sign -6.921 ± 0.000 $\chi^2/\text{NDF}: 18424003010327.2/27$

All: -5.858 ± 0.000 $\chi^2/\text{NDF}: 4435290510491.2/27$

- sign -4.882 ± 0.000 $\chi^2/\text{NDF}: 369731858617512.6/27$

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 23414474.2/27

Left Out: 0.009+/-0.000 χ^2/NDF : 514432.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 24348700.8/30

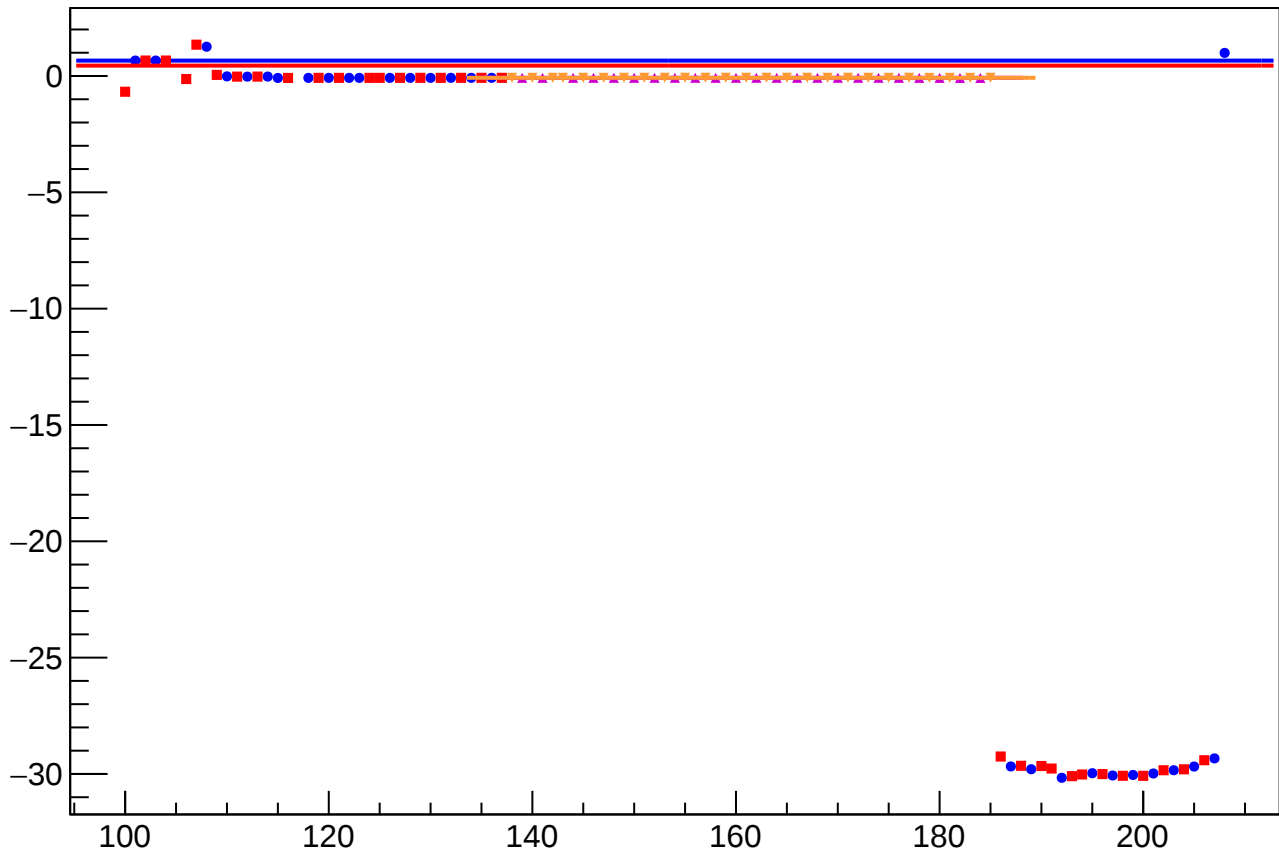
Left In: 0.009+/-0.000 χ^2/NDF : 602517.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 52315919.6/52

All: 0.000+/-0.000 χ^2/NDF : 104125176.9/100

- sign 0.000+/-0.000 χ^2/NDF : 51804418.1/53

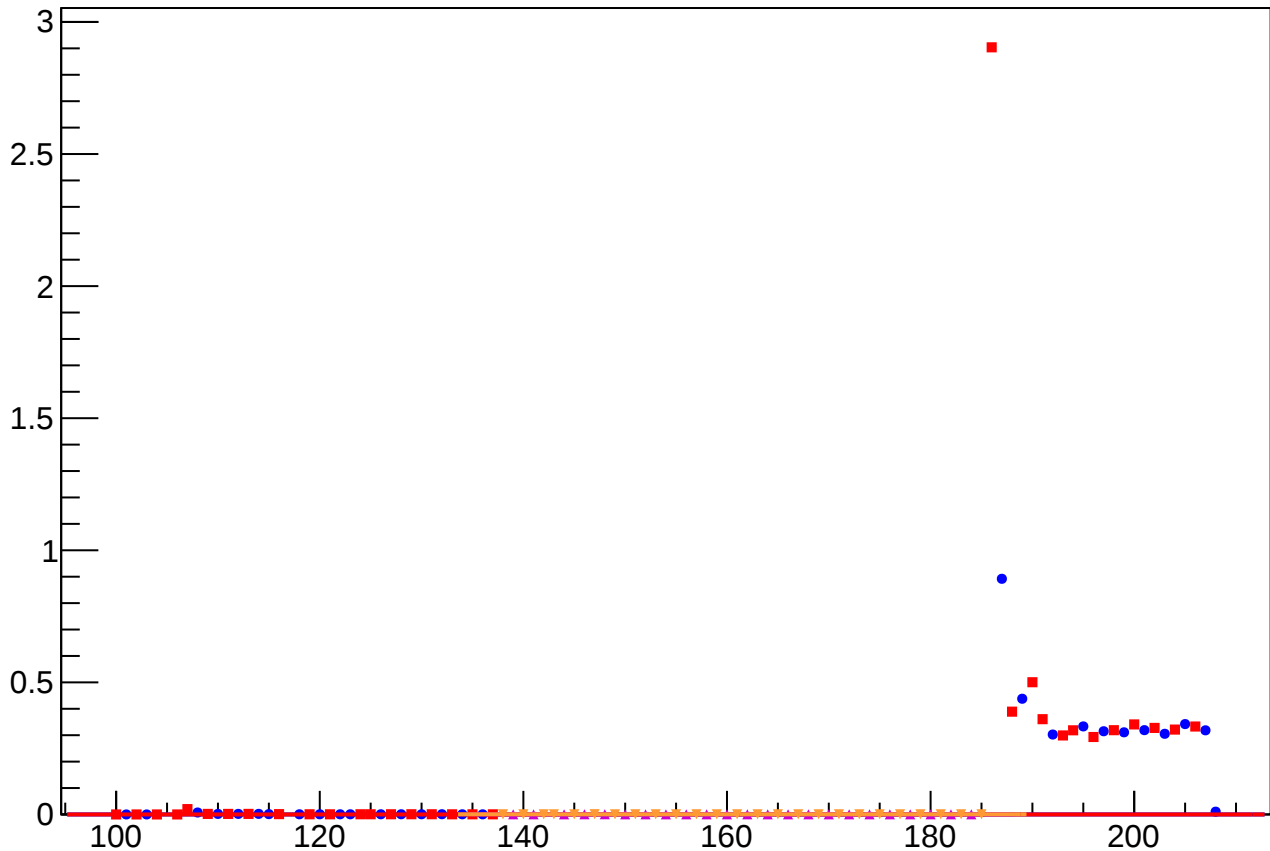
yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5719778964147.2/27
 Left Out: -0.078+/-0.000 χ^2/NDF : 156404795.7/24
 Right Out: 0.446+/-0.000 χ^2/NDF : 405490492449847.8/30
 Left In: -0.077+/-0.000 χ^2/NDF : 110762924.1/22

+ sign 0.646+/-0.000 χ^2/NDF : 35818599173788.3/5
 All: 0.537+/-0.000 χ^2/NDF : 51596842311111
 - sign 0.437+/-0.000 χ^2/NDF : 419612512653564.9/

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 24842362.8/27

Left Out: 0.001+/-0.000 χ^2/NDF :465981.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 24886158.2/30

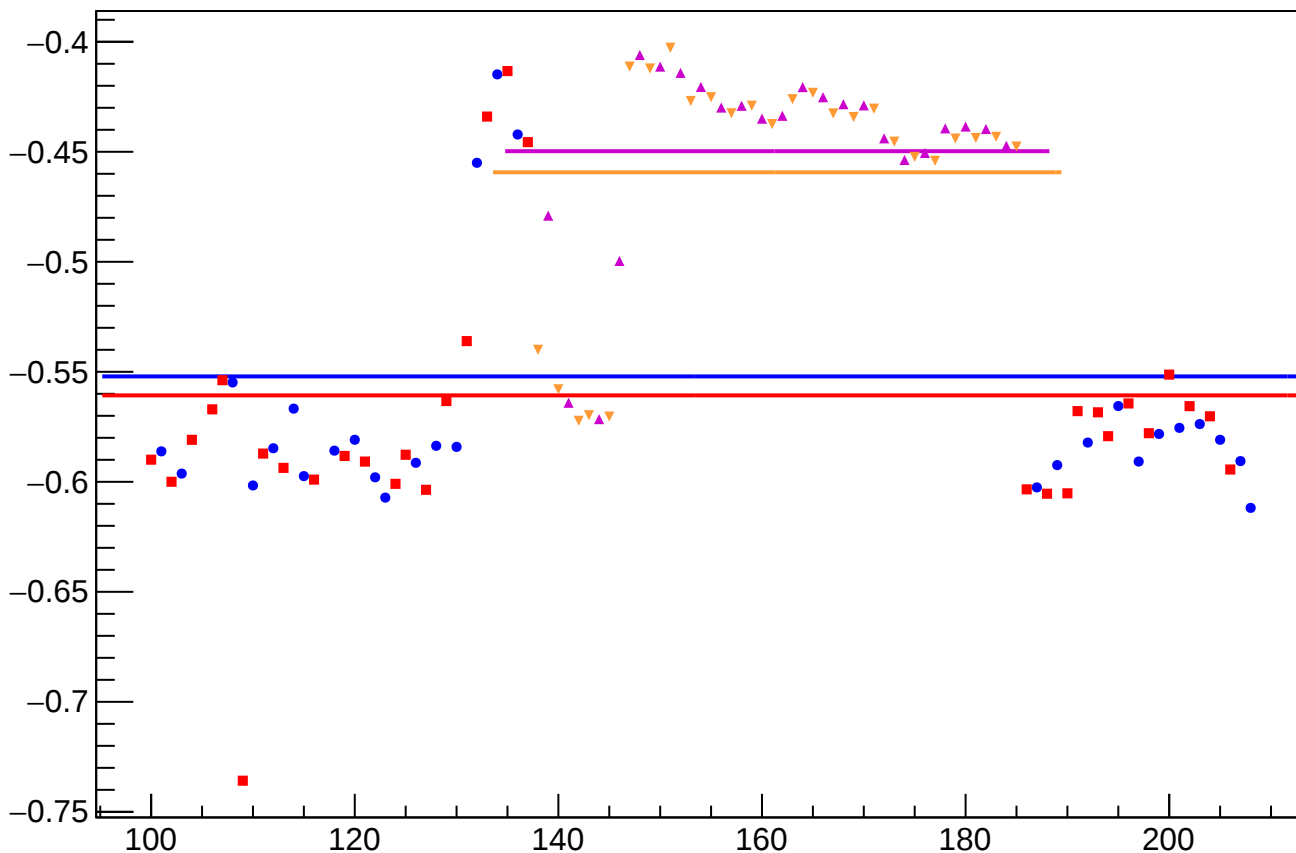
Left In: 0.001+/-0.000 χ^2/NDF :355509.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 57393121.0/52

All: 0.000+/-0.000 χ^2/NDF : 113079916.5/106

- sign 0.000+/-0.000 χ^2/NDF : 55678773.4/53

yield_bpm4aX_mean vs Slug



Right In: -0.552 ± 0.000 $\chi^2/\text{NDF}: 49388432.0/27$

Left Out: -0.459 ± 0.000 $\chi^2/\text{NDF}: 113602161.0/24$

Right Out: -0.561 ± 0.000 $\chi^2/\text{NDF}: 65999245.2/30$

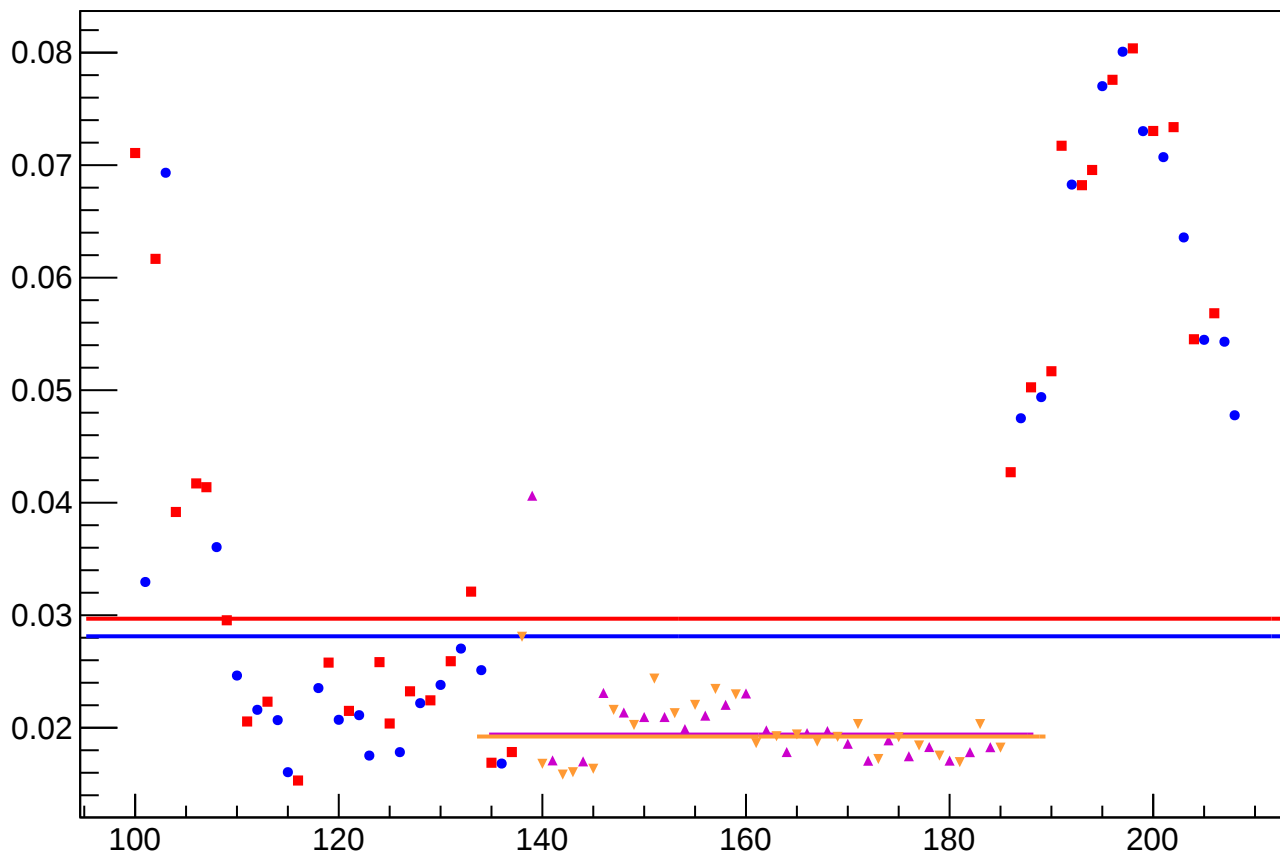
Left In: -0.450 ± 0.000 $\chi^2/\text{NDF}: 76117957.8/22$

+ sign -0.481 ± 0.000 $\chi^2/\text{NDF}: 245102952.4/52$

All: -0.479 ± 0.000 $\chi^2/\text{NDF}: 498465698.4/10$

- sign -0.477 ± 0.000 $\chi^2/\text{NDF}: 252793205.7/53$

yield_bpm4aX_rms vs Slug



Right In: 0.028 $\pm$ 0.000 χ^2 /NDF: 6424984.7/27

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:501711.6/24

Right Out: 0.030 $\pm$ 0.000 χ^2 /NDF: 6446511.5/30

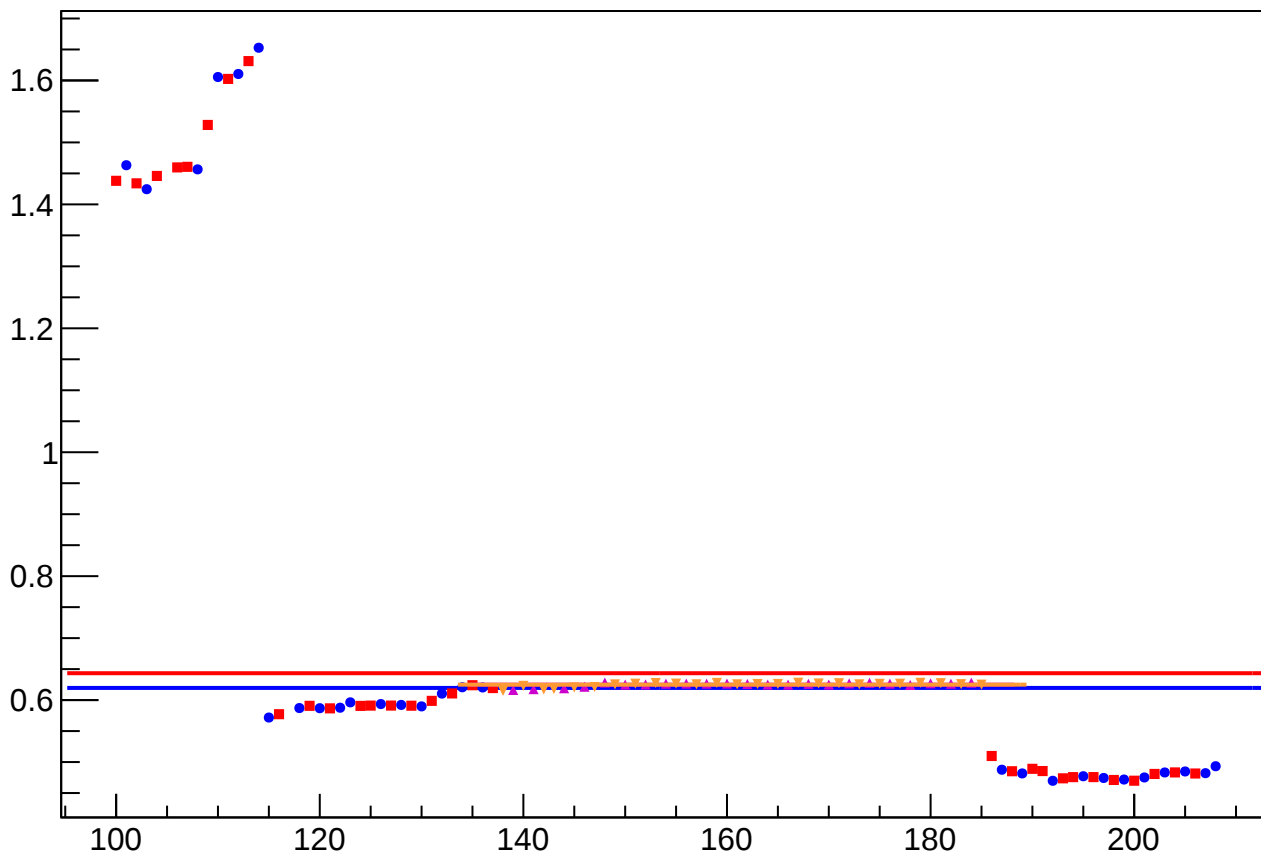
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:626443.5/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 8440897.9/52

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 17434387.5/106

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 8977972.1/53

yield_bpm4aY_mean vs Slug



Right In: 0.620+/-0.000 χ^2/NDF : 5073804265.9/27

Left Out: 0.625+/-0.000 χ^2/NDF :1445169.1/24

Right Out: 0.643+/-0.000 χ^2/NDF : 6048670824.8/30

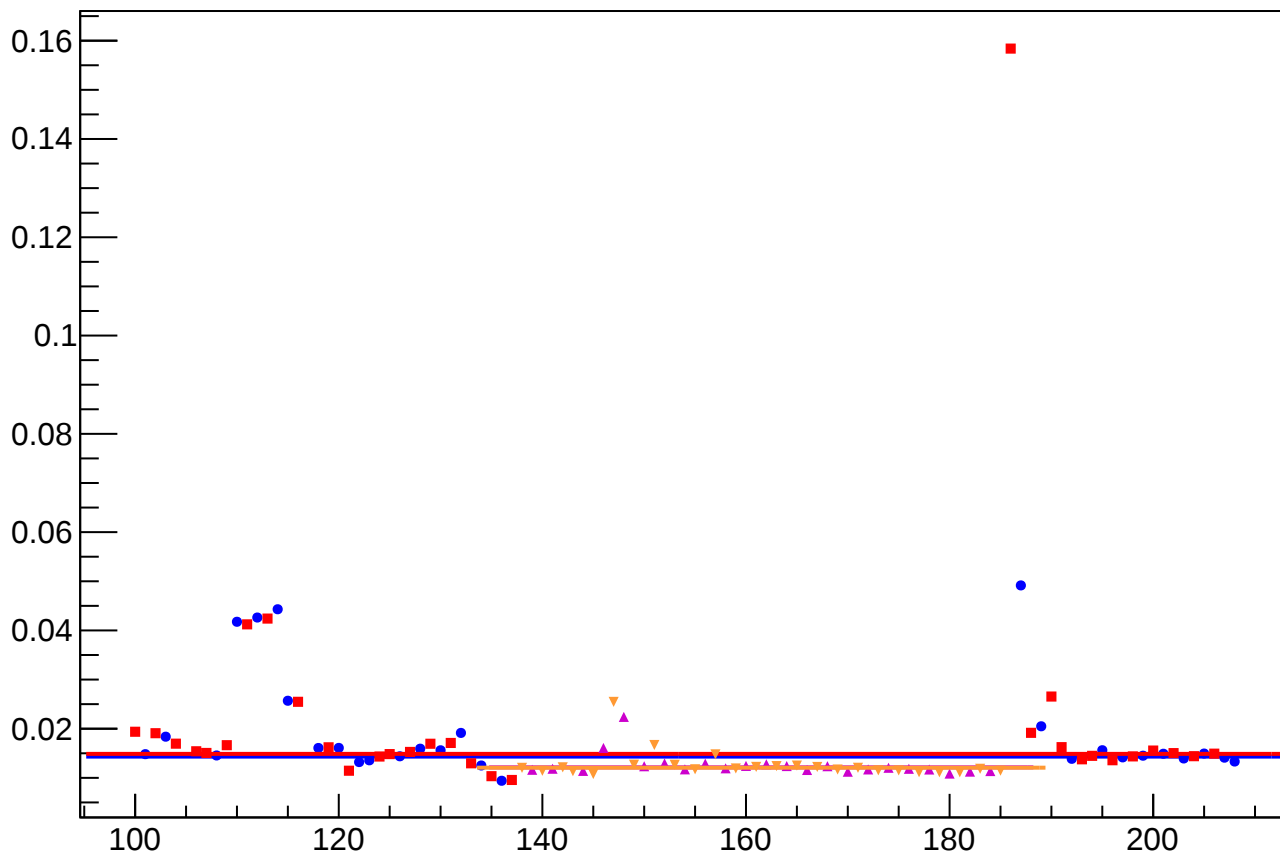
Left In: 0.625+/-0.000 χ^2/NDF :1143954.1/22

+ sign 0.623+/-0.000 χ^2/NDF : 5076402694.0/52

All: 0.627+/-0.000 χ^2/NDF : 11145624506.6/100

- sign 0.631+/-0.000 χ^2/NDF : 6063310841.5/53

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1648043.3/27

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:657199.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2079154.5/30

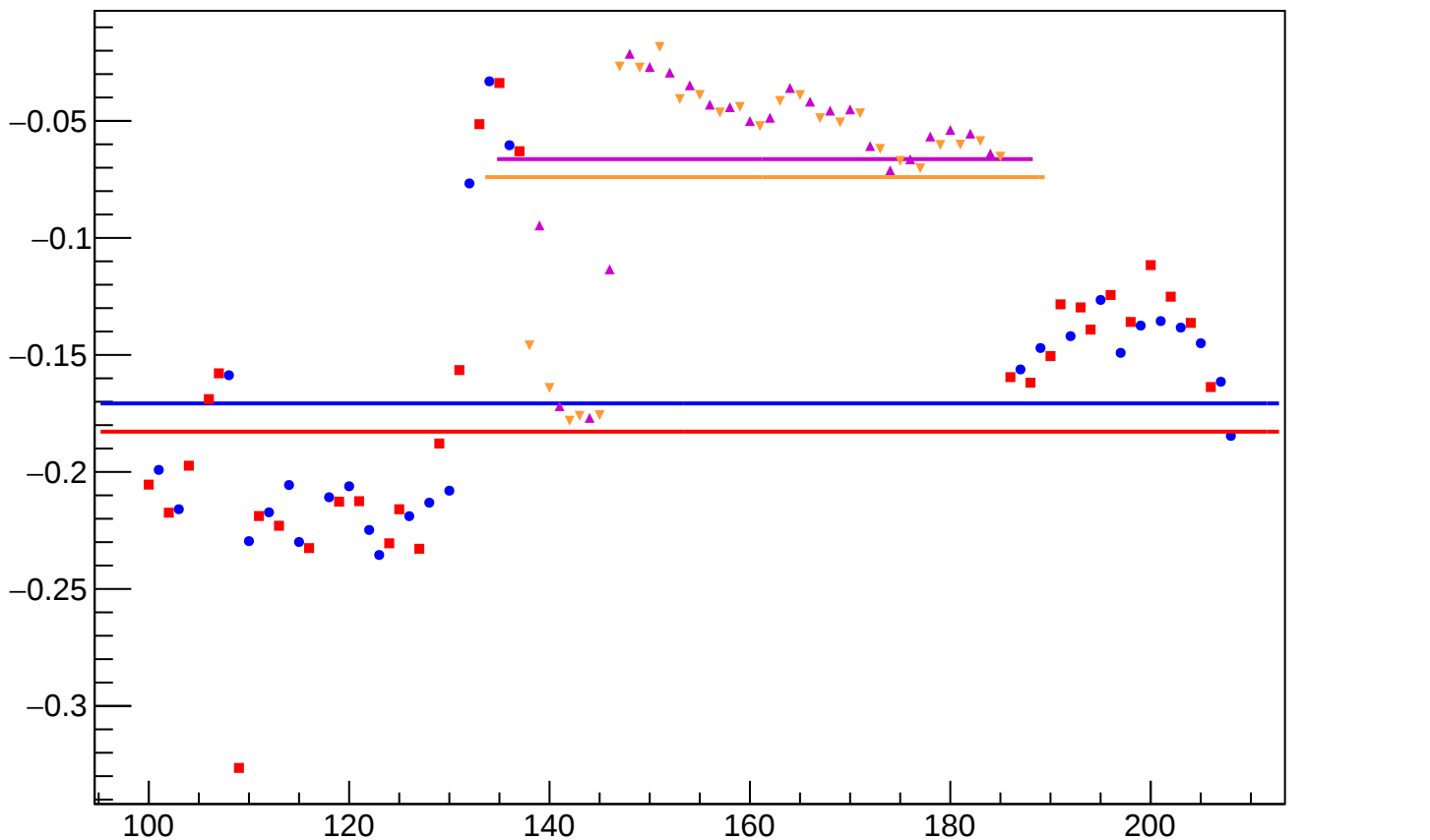
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:488363.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2727583.0/52

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5895069.8/106

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3157146.6/53

yield_bpm4eX_mean vs Slug



Right In: -0.171+/-0.000 χ^2/NDF : 68417026.8/27

Left Out: -0.074+/-0.000 χ^2/NDF : 107676601.9/24

Right Out: -0.183+/-0.000 χ^2/NDF : 86383098.2/30

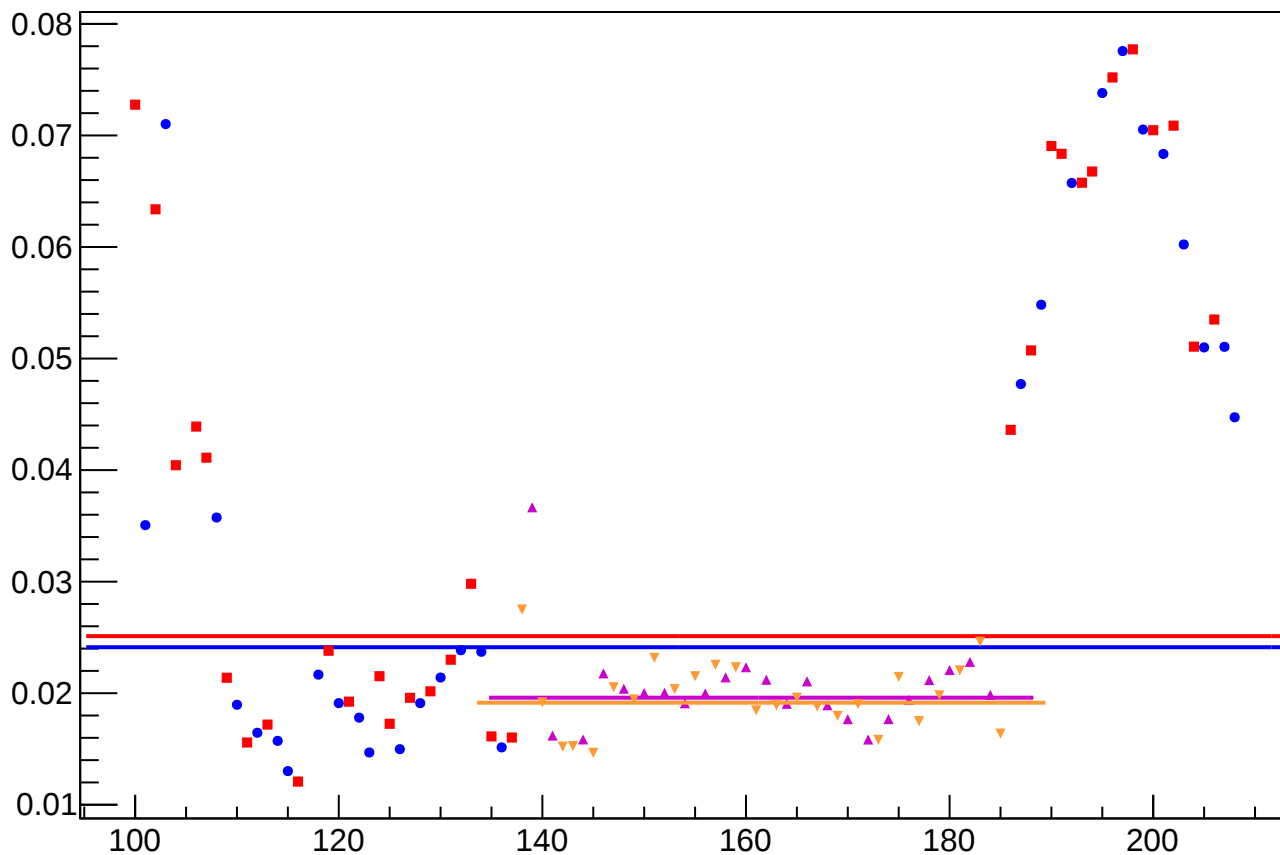
Left In: -0.066+/-0.000 χ^2/NDF : 76243051.8/22

+ sign -0.101+/-0.000 χ^2/NDF : 284454177.8/52

All: -0.101+/-0.000 χ^2/NDF : 595401639.8/10

- sign -0.101+/-0.000 χ^2/NDF : 310935781.8/53

yield_bpm4eX_rms vs Slug



Right In: 0.024 $\pm$ 0.000 χ^2 /NDF: 7491218.4/27

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:641277.0/24

Right Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 7838095.5/30

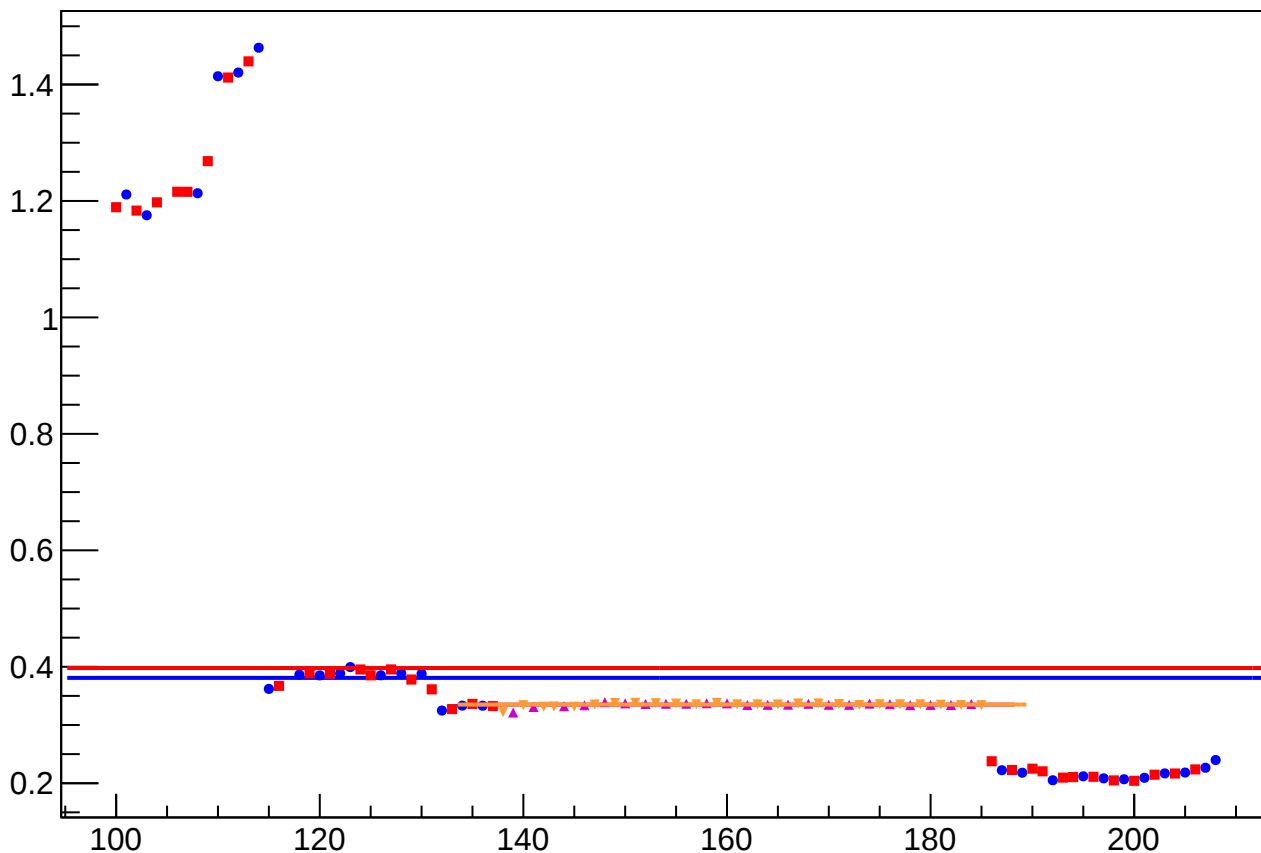
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:623148.2/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 8705800.8/52

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 17857702.4/106

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 9127195.0/53

yield_bpm4eY_mean vs Slug



Right In: 0.381 $\pm$ 0.000 χ^2 /NDF: 7492037320.1/27

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1154310.3/24

Right Out: 0.398 $\pm$ 0.000 χ^2 /NDF: 8528846047.6/30

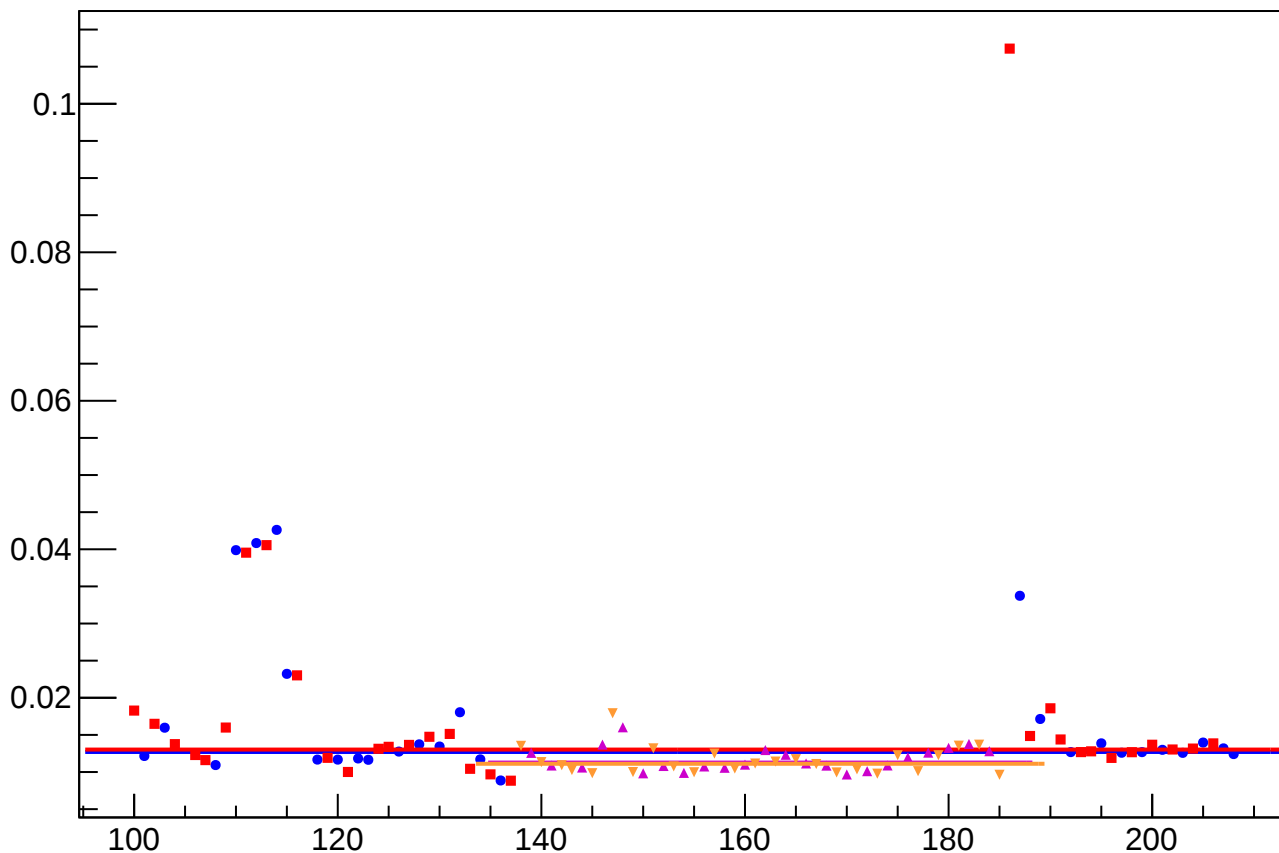
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1202194.8/22

+ sign 0.352 $\pm$ 0.000 χ^2 /NDF: 7601022403.7/52

All: 0.355 $\pm$ 0.000 χ^2 /NDF: 16328795080.9/100

- sign 0.359 $\pm$ 0.000 χ^2 /NDF: 8722662279.8/53

yield_bpm4eY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 1525354.5/27

Left Out: 0.011+/-0.000 χ^2/NDF : 607532.0/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1944397.4/30

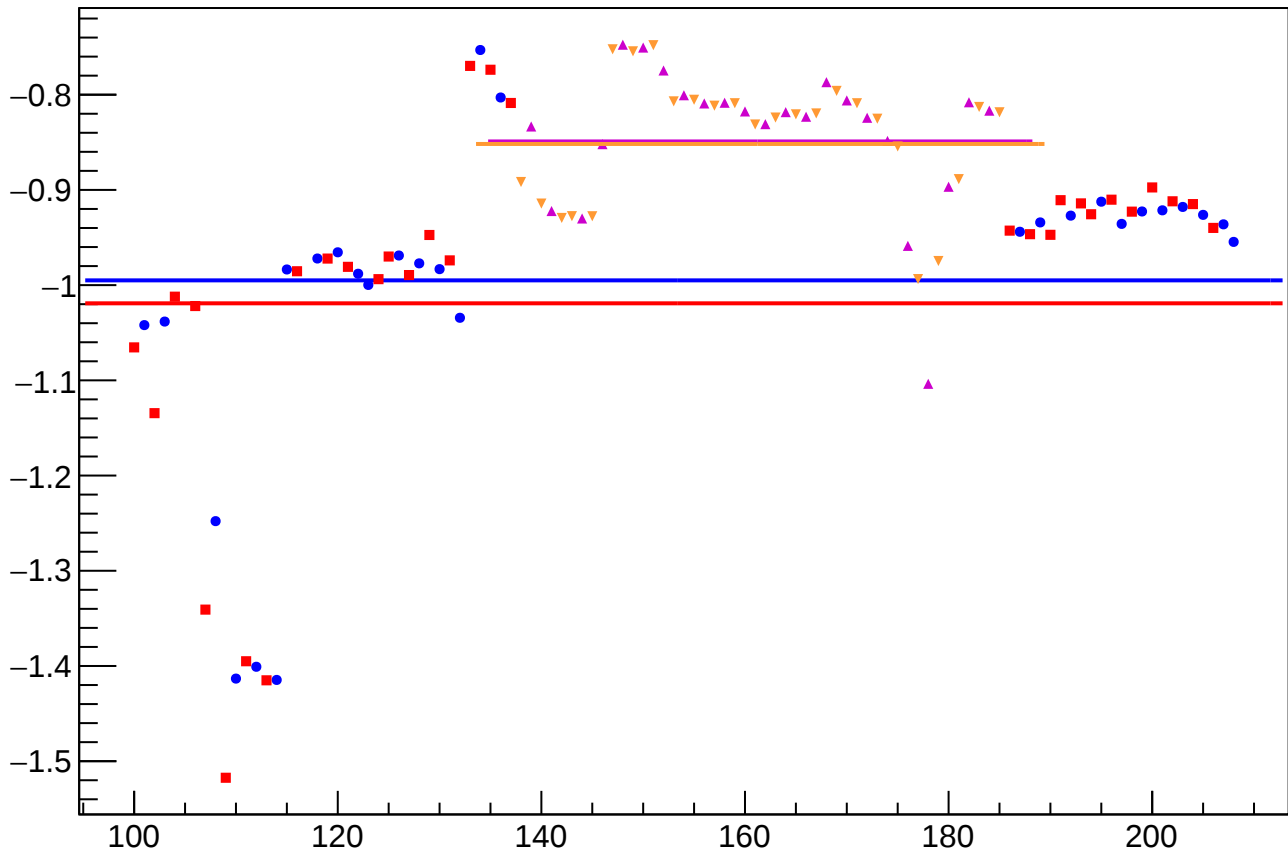
Left In: 0.011+/-0.000 χ^2/NDF : 502455.5/22

+ sign 0.012+/-0.000 χ^2/NDF : 2392096.0/52

All: 0.012+/-0.000 χ^2/NDF : 5150809.4/106

- sign 0.012+/-0.000 χ^2/NDF : 2746159.5/53

yield_bpm4acX_mean vs Slug



Right In: -0.995+/-0.000 χ^2/NDF : 404129191.2/27

Left Out: -0.852+/-0.000 χ^2/NDF :189103962.4/24

Right Out: -1.019+/-0.000 χ^2/NDF : 557820123.3/30

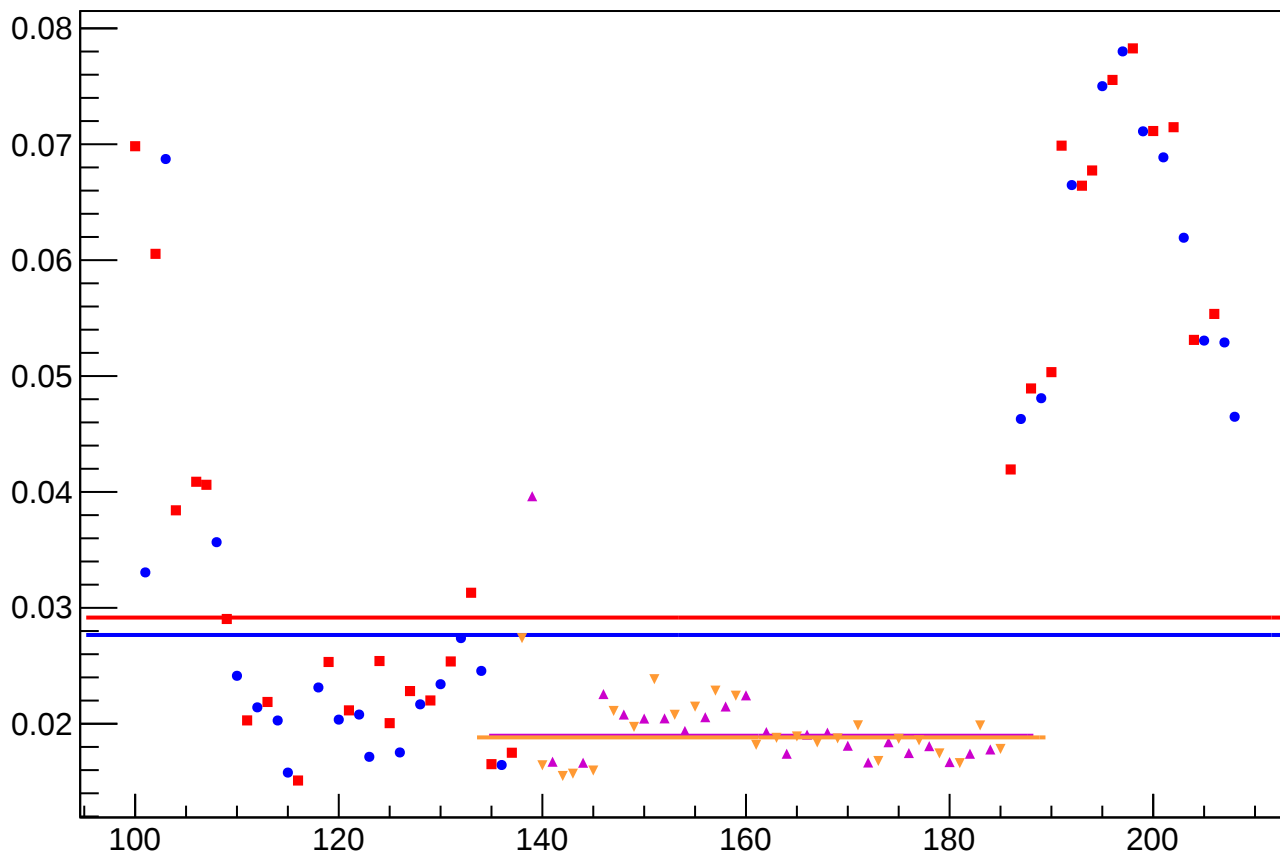
Left In: -0.849+/-0.000 χ^2/NDF :256391274.4/22

+ sign -0.886+/-0.000 χ^2/NDF : 796407379.3/52

All: -0.888+/-0.000 χ^2/NDF : 1881269613.7/1

- sign -0.890+/-0.000 χ^2/NDF : 1084349180.5/53

yield_bpm4acX_rms vs Slug



Right In: 0.028+/-0.000 χ^2/NDF : 6382084.7/27

Left Out: 0.019+/-0.000 χ^2/NDF :490509.4/24

Right Out: 0.029+/-0.000 χ^2/NDF : 6383170.3/30

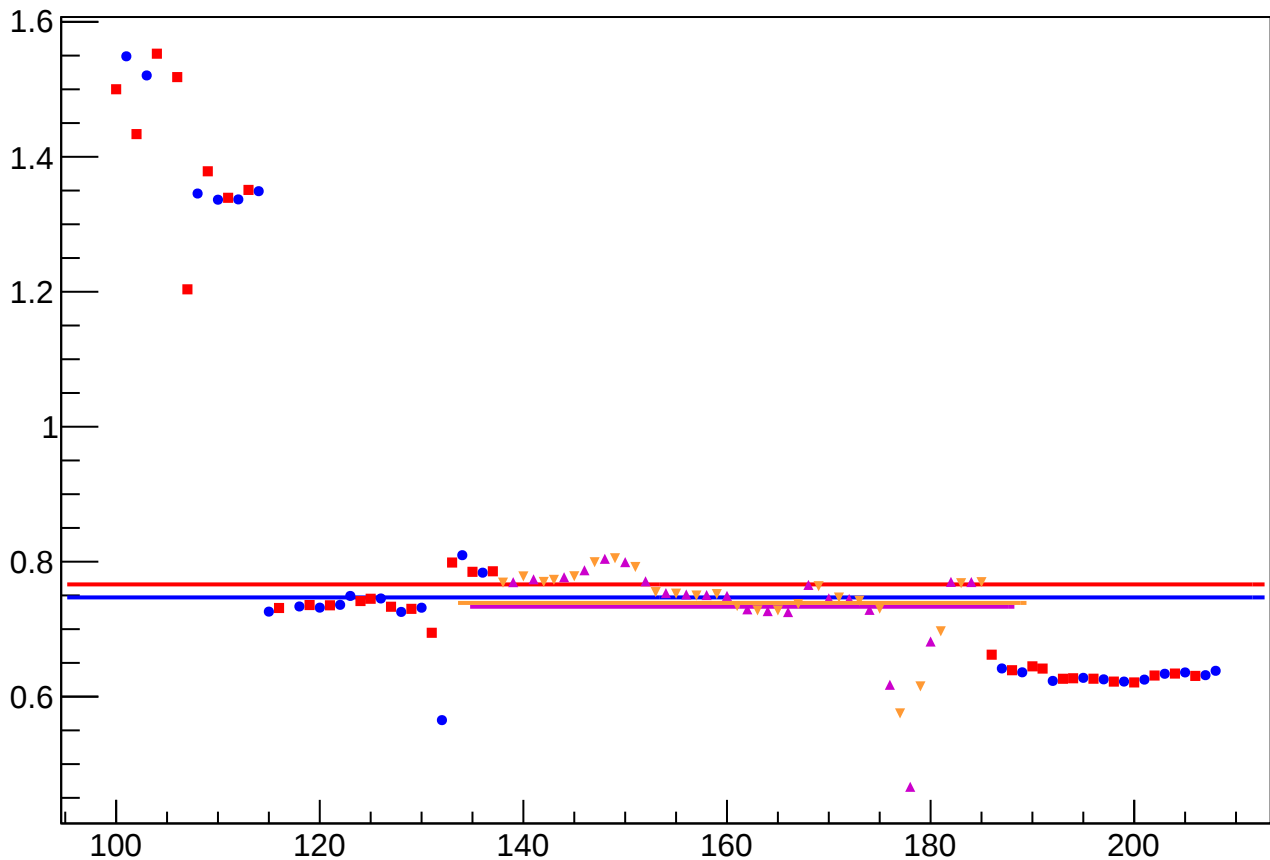
Left In: 0.019+/-0.000 χ^2/NDF :615173.8/22

+ sign 0.021+/-0.000 χ^2/NDF : 8419104.0/52

All: 0.021+/-0.000 χ^2/NDF : 17374139.6/106

- sign 0.021+/-0.000 χ^2/NDF : 8941335.0/53

yield_bpm4acY_mean vs Slug



Right In: 0.747 $\pm$ 0.000 χ^2/NDF : 3479864406.6/27

Left Out: 0.739 $\pm$ 0.000 χ^2/NDF :333013236.5/24

Right Out: 0.766 $\pm$ 0.000 χ^2/NDF : 3760876329.4/30

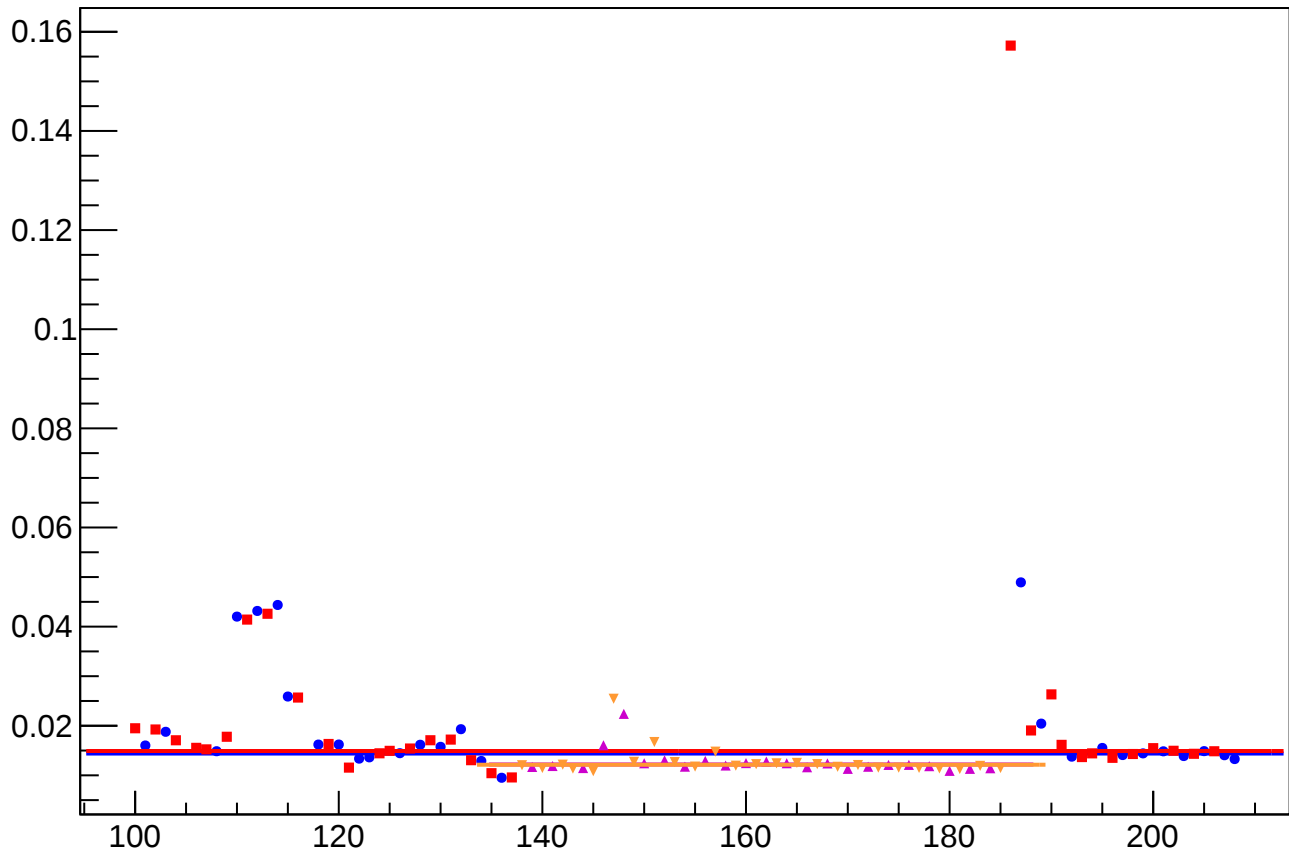
Left In: 0.733 $\pm$ 0.000 χ^2/NDF :569611347.7/22

+ sign 0.742 $\pm$ 0.000 χ^2/NDF : 3815622239.9/52

All: 0.743 $\pm$ 0.000 χ^2/NDF : 8189555170.4/10

- sign 0.745 $\pm$ 0.000 χ^2/NDF : 4373114177.8/53

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1650610.7/27

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:637986.2/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2082931.2/30

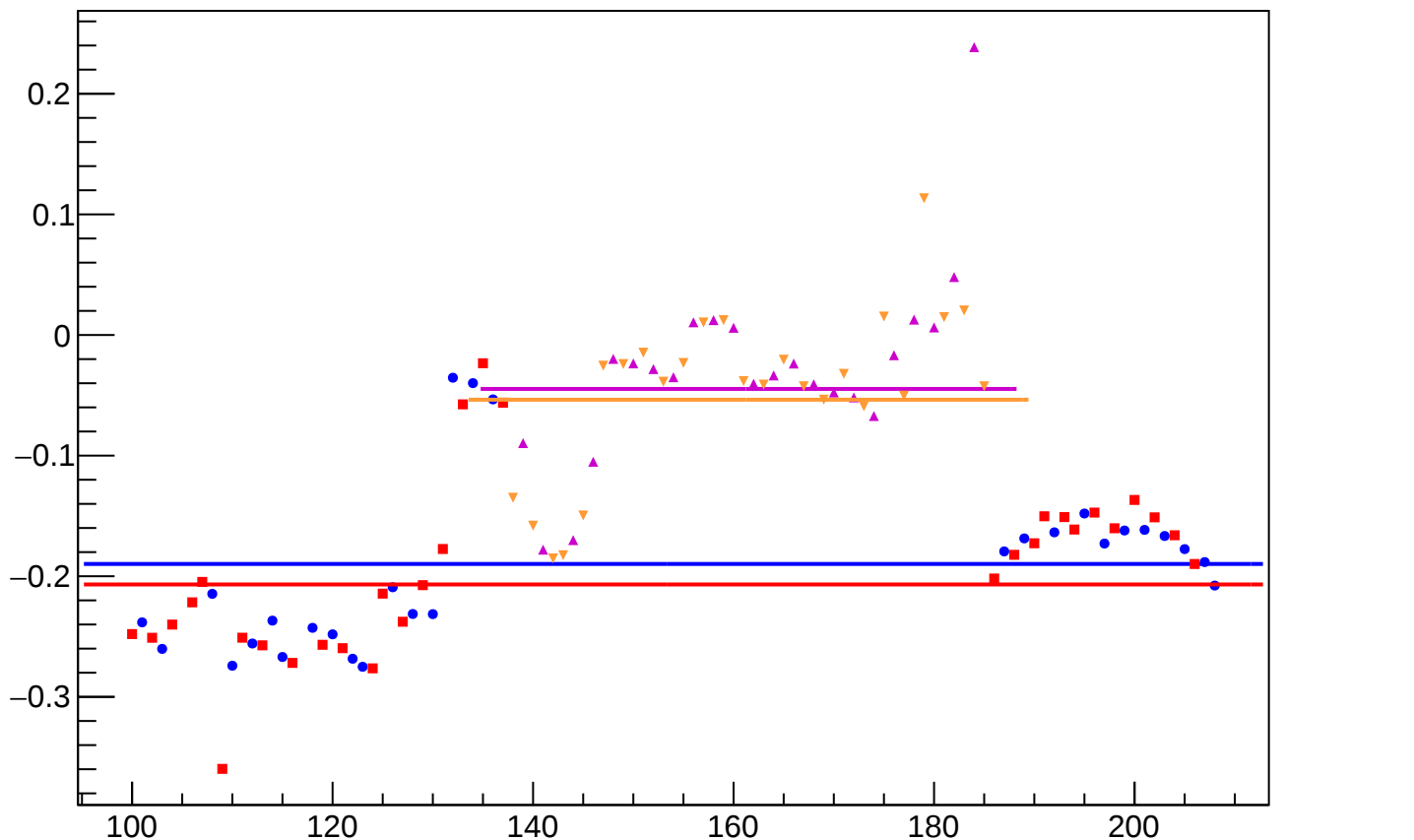
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:481830.1/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2706177.8/52

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5853670.3/106

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3138983.5/53

yield_bpm4ecX_mean vs Slug



Right In: -0.190 ± 0.000 $\chi^2/\text{NDF}: 107260727.9/27$

Left Out: -0.054 ± 0.000 $\chi^2/\text{NDF}: 167834173.6/24$

Right Out: -0.207 ± 0.000 $\chi^2/\text{NDF}: 114680081.9/30$

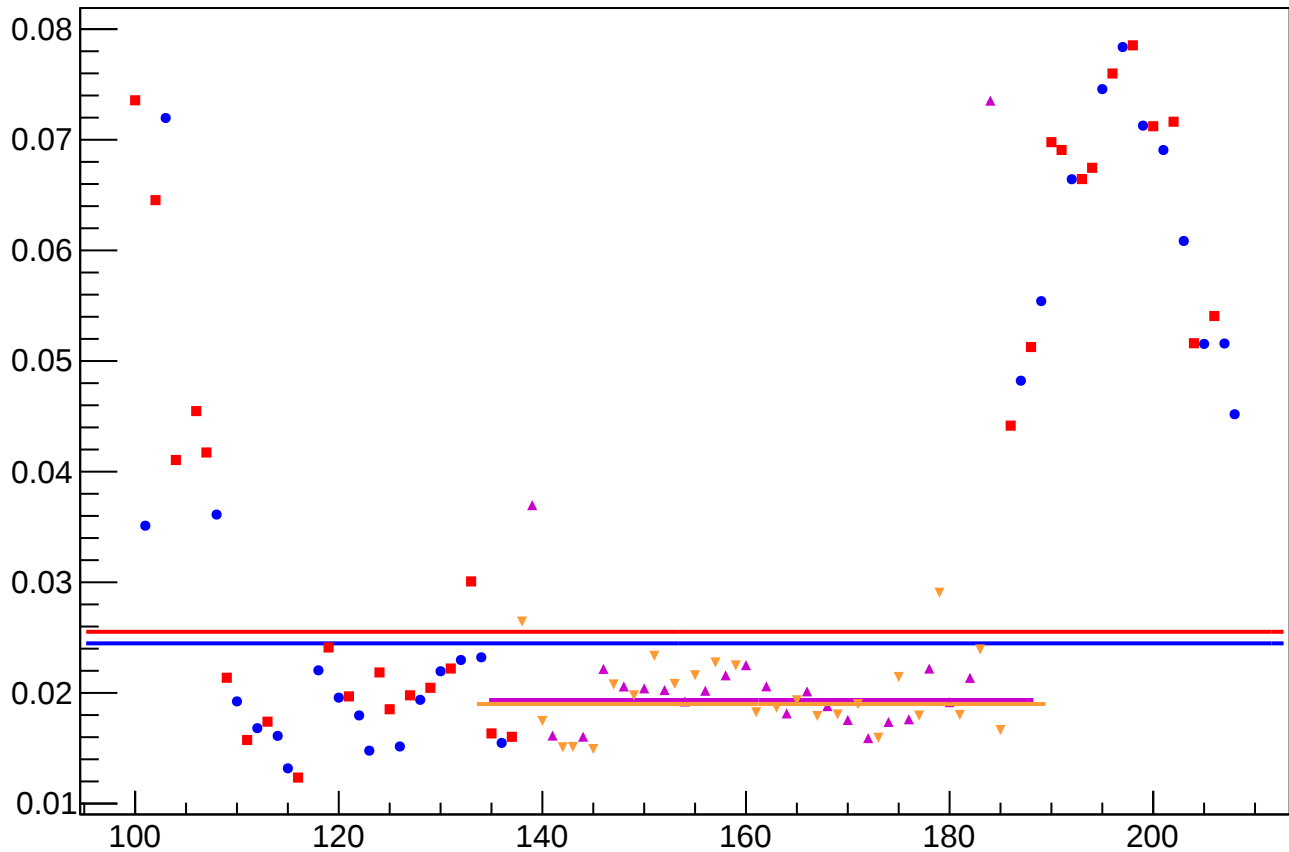
Left In: -0.045 ± 0.000 $\chi^2/\text{NDF}: 127192425.2/22$

+ sign -0.092 ± 0.000 $\chi^2/\text{NDF}: 484924135.9/52$

All: -0.092 ± 0.000 $\chi^2/\text{NDF}: 1007412420.8/1$

- sign -0.092 ± 0.000 $\chi^2/\text{NDF}: 522487804.2/53$

yield_bpm4ecX_rms vs Slug



Right In: 0.024 $\pm$ 0.000 χ^2 /NDF: 7433472.8/27

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 700229.7/24

Right Out: 0.026 $\pm$ 0.000 χ^2 /NDF: 7790861.9/30

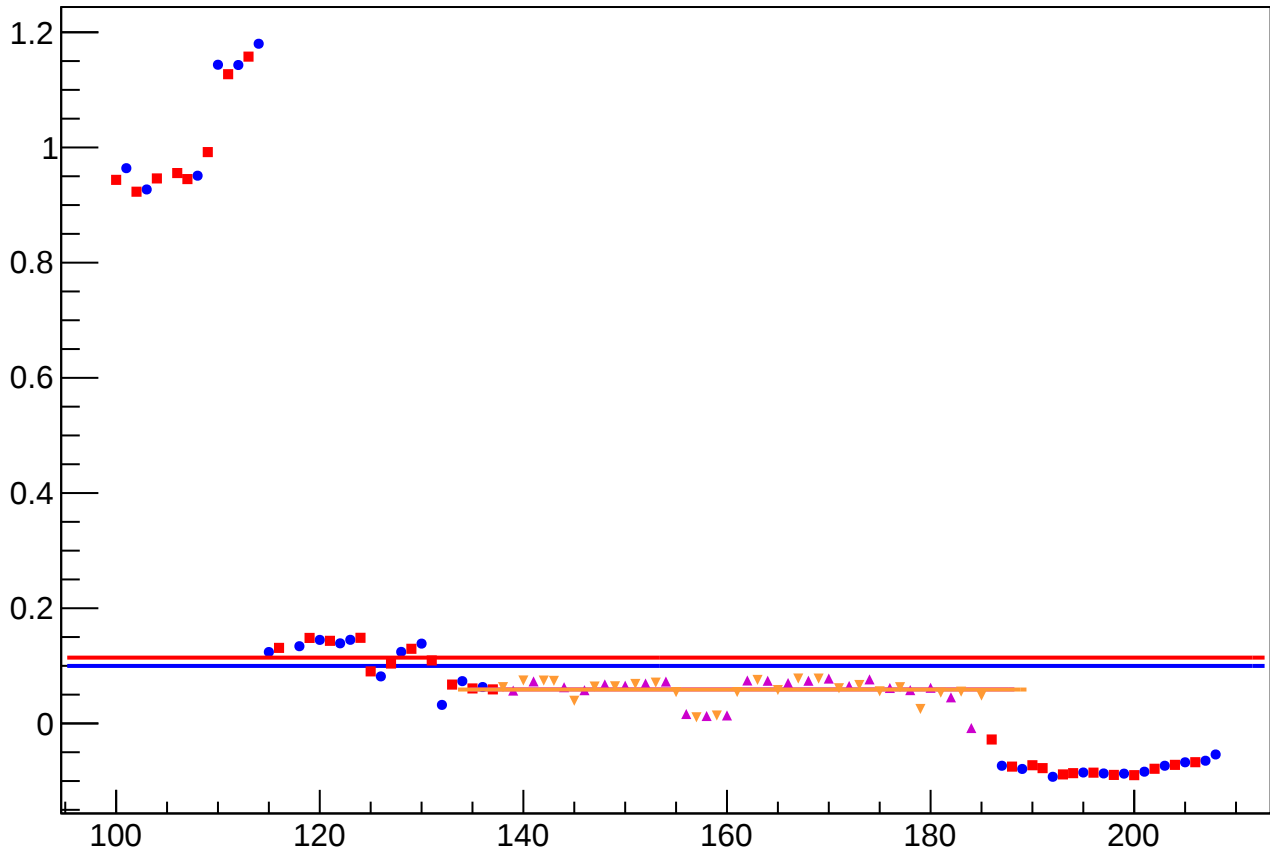
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 858216.8/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 8814399.8/52

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 18294868.2/106

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 9459921.4/53

yield_bpm4ecY_mean vs Slug



Right In: 0.100 $\pm$ 0.000 χ^2 /NDF: 8093261863.7/27

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 46821236.8/24

+ sign 0.074 $\pm$ 0.000 χ^2 /NDF: 8227978674.3/52

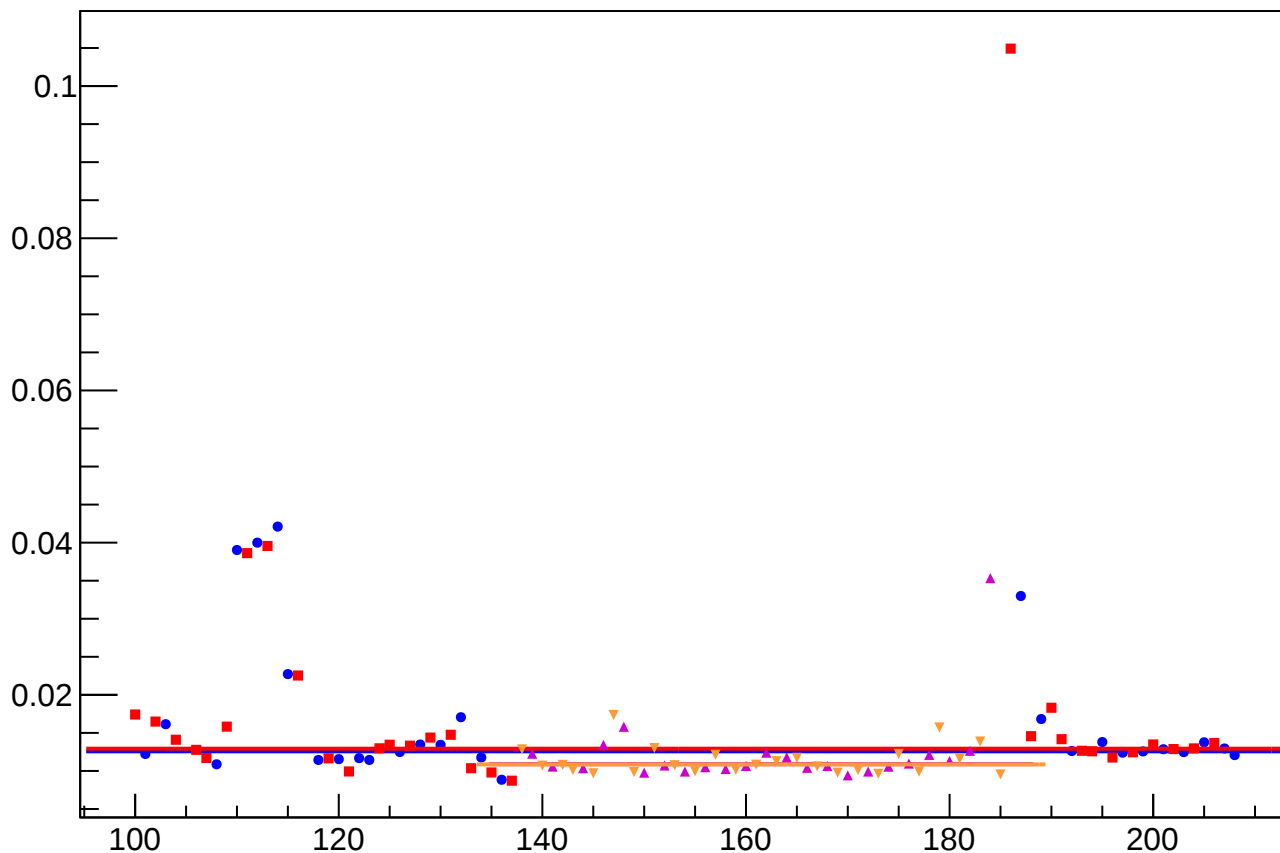
Right Out: 0.114 $\pm$ 0.000 χ^2 /NDF: 8984057615.2/30

All: 0.077 $\pm$ 0.000 χ^2 /NDF: 17426649953.8/100

- sign 0.079 $\pm$ 0.000 χ^2 /NDF: 9195109132.8/53

Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58518655.0/22

yield_bpm4ecY_rms vs Slug



Right In: 0.013 ± 0.000 χ^2/NDF : 1490648.8/27

Left Out: 0.011 ± 0.000 χ^2/NDF : 604787.9/24

Right Out: 0.013 ± 0.000 χ^2/NDF : 1898427.4/30

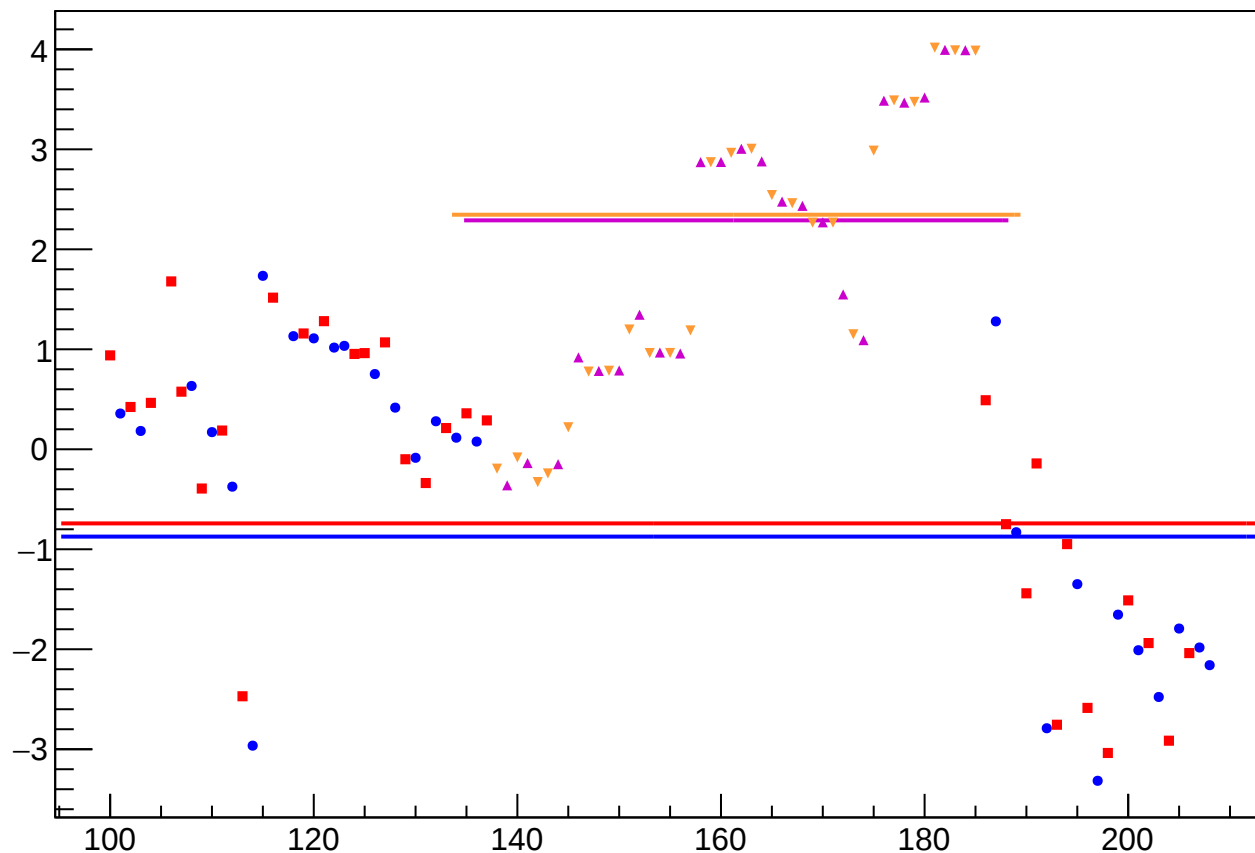
Left In: 0.011 ± 0.000 χ^2/NDF : 530077.5/22

+ sign 0.011 ± 0.000 χ^2/NDF : 2404377.8/52

All: 0.012 ± 0.000 χ^2/NDF : 5252307.8/106

- sign 0.012 ± 0.000 χ^2/NDF : 2842597.0/53

yield_bpm1X_mean vs Slug



Right In: -0.873 ± 0.000 χ^2/NDF : 6762294179.2/27

Left Out: 2.346 ± 0.000 χ^2/NDF : 63481331015.4/24

Right Out: -0.741 ± 0.000 χ^2/NDF : 7592120533.9/30

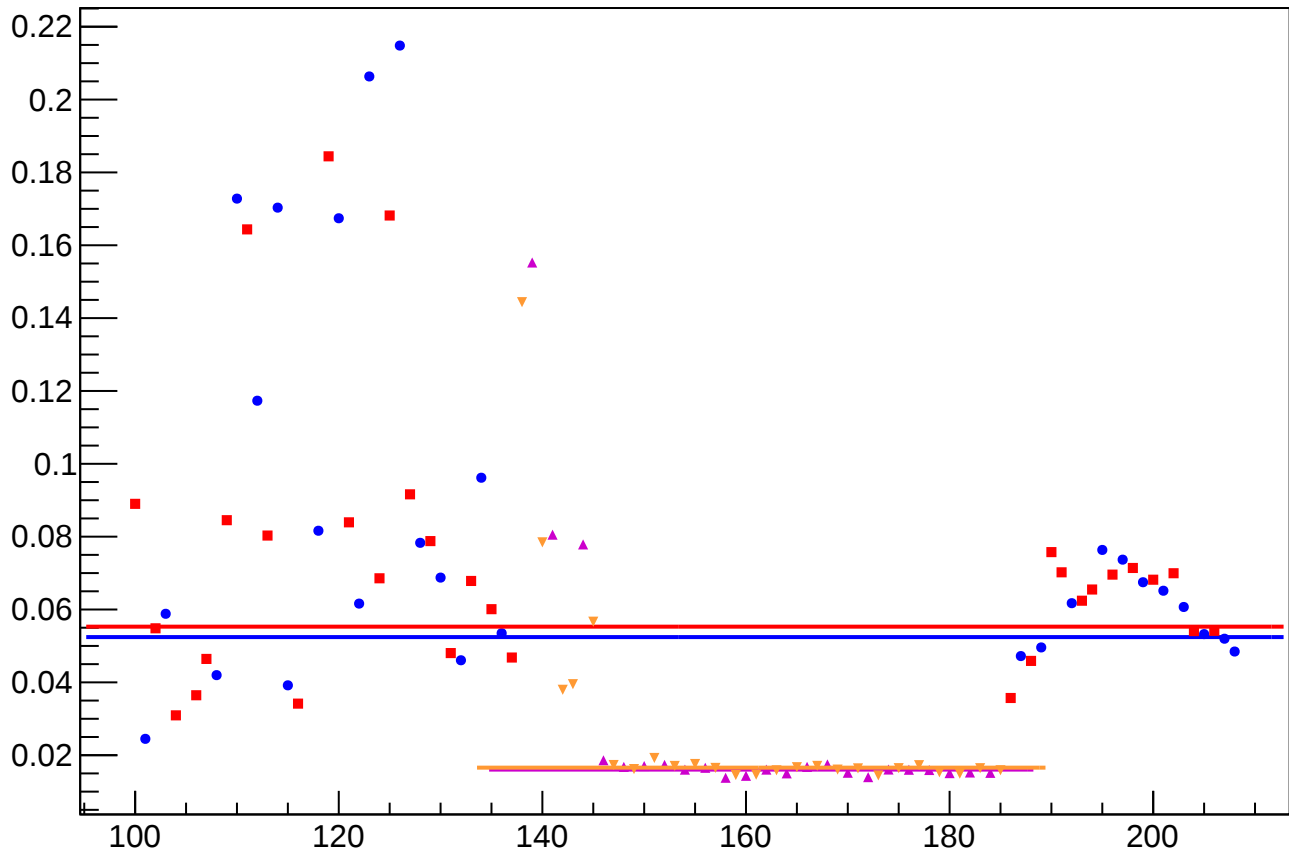
Left In: 2.290 ± 0.000 χ^2/NDF : 60875537647.3/22

+ sign 2.121 ± 0.000 χ^2/NDF : 107189284297.7/52

All: 2.104 ± 0.000 χ^2/NDF : 207506165763.1

- sign 2.087 ± 0.000 χ^2/NDF : 100285650387.9/53

yield_bpm1X_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 3508264.3/27

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2621162.1/24

Right Out: 0.055 $\pm$ 0.000 χ^2 /NDF: 2837186.3/30

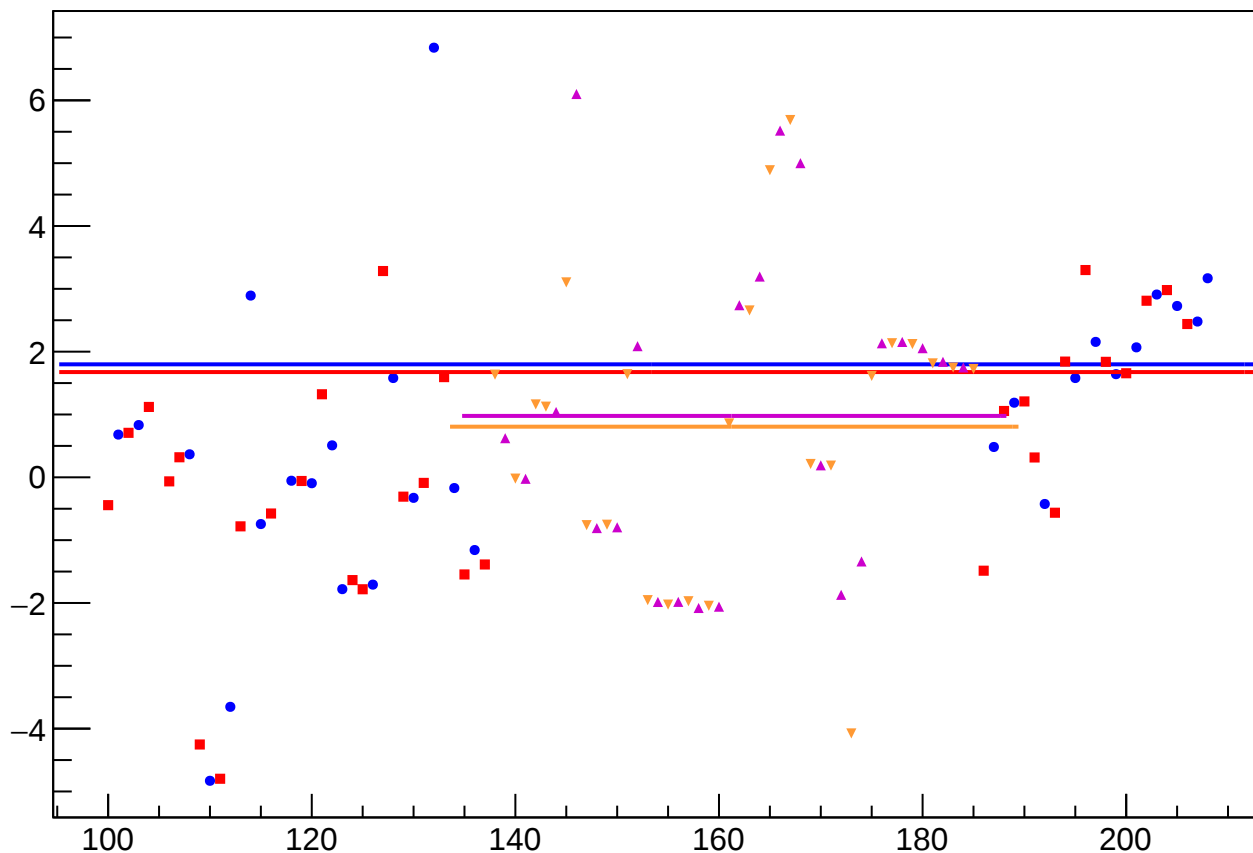
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2394376.5/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 15289033.1/52

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 31199816.8/106

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 15900852.7/53

yield_bpm1Y_mean vs Slug



Right In: 1.798+/-0.000 χ^2/NDF : 36949959003.1/27

Left Out: 0.806+/-0.000 χ^2/NDF : 507578952196.2/24

Right Out: 1.675+/-0.000 χ^2/NDF : 33345815951.1/30

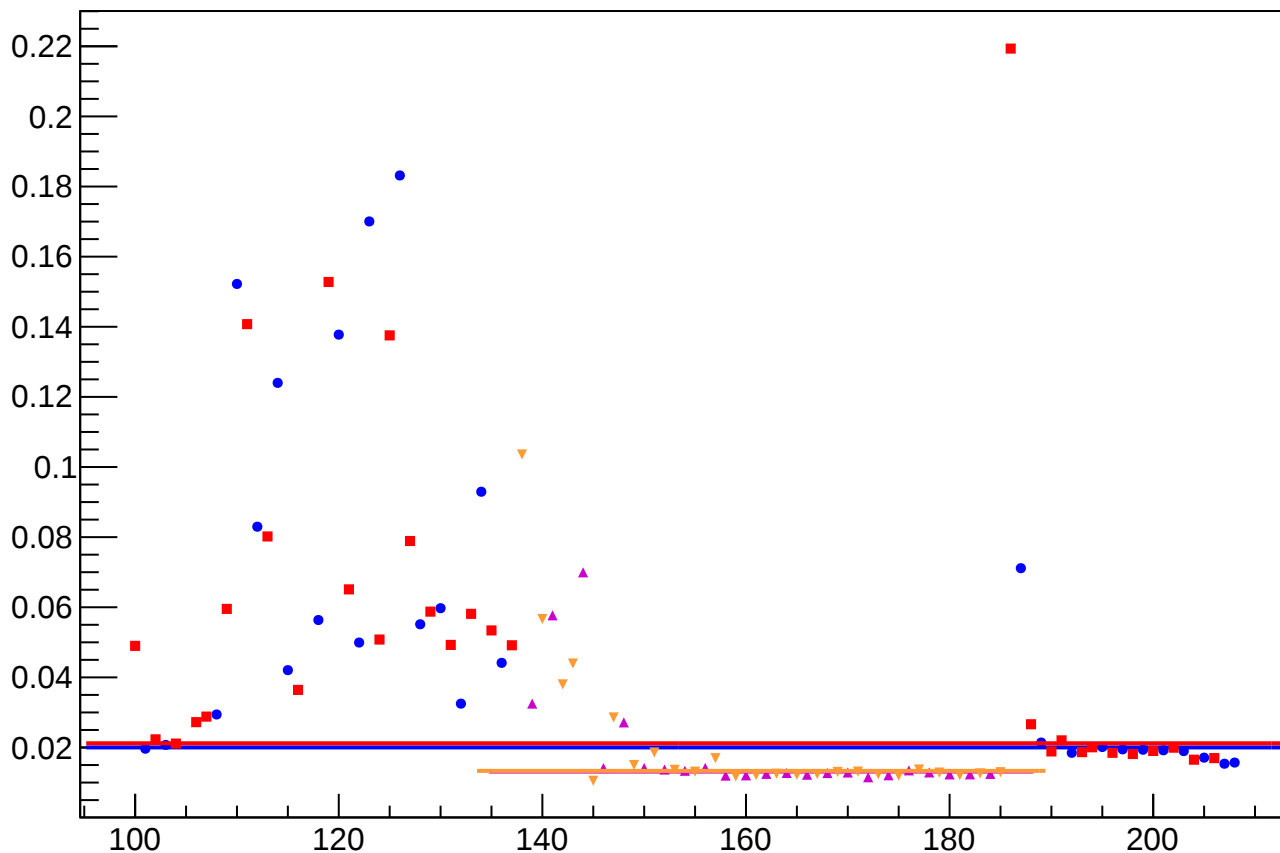
Left In: 0.977+/-0.000 χ^2/NDF : 568209676597.4/22

+ sign 1.023+/-0.000 χ^2/NDF : 562825515921.5/52

All: 1.071+/-0.000 χ^2/NDF : 1173334231314.

- sign 1.120+/-0.000 χ^2/NDF : 610007300583.0/53

yield_bpm1Y_rms vs Slug



Right In: 0.020 $\pm$ 0.000 χ^2 /NDF: 4148797.9/27

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:2829753.9/24

Right Out: 0.021 $\pm$ 0.000 χ^2 /NDF: 5029909.7/30

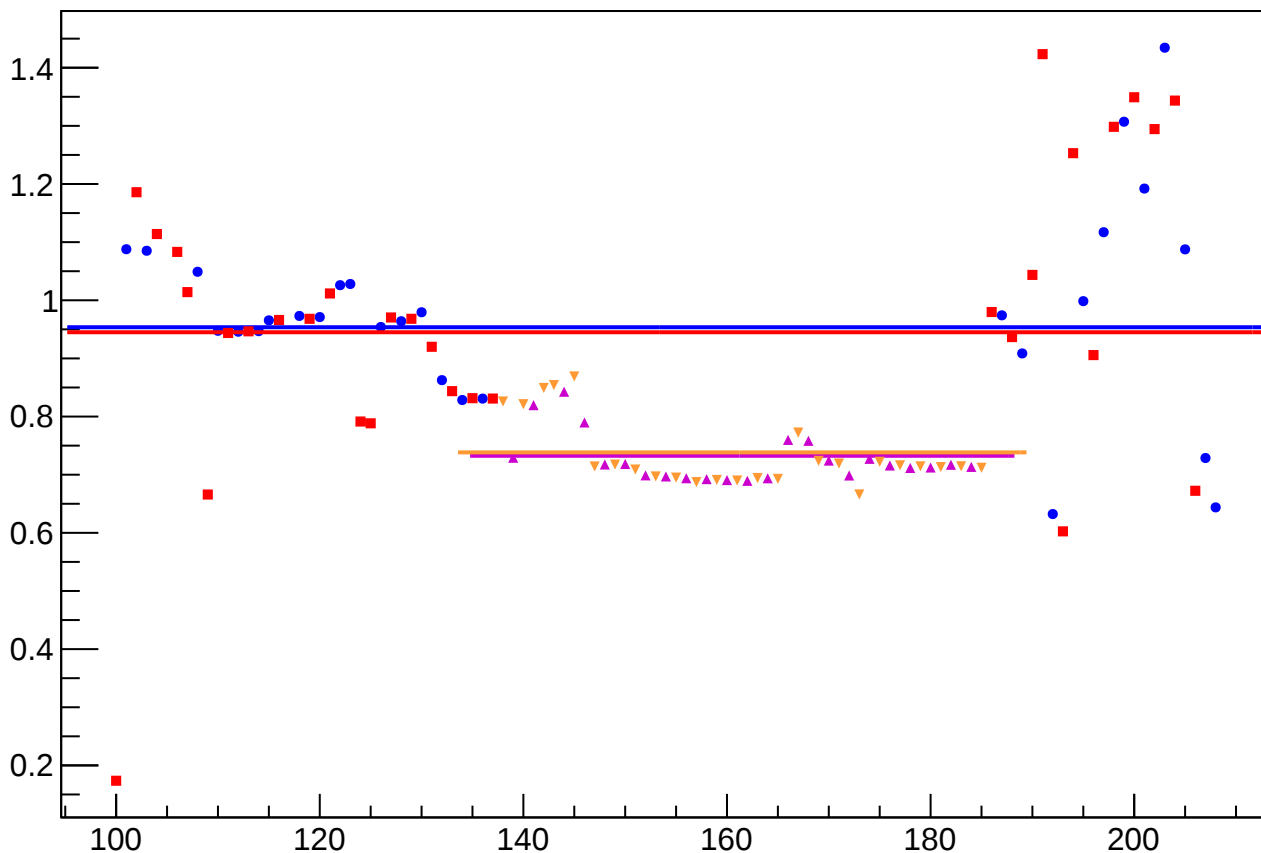
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:1946693.6/22

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 8636912.7/52

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 17876156.8/106

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 9239212.3/53

yield_bpm11X_mean vs Slug



Right In: 0.954 $\pm$ 0.000 χ^2 /NDF: 673420113.3/27

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF:310195180.4/24

Right Out: 0.945 $\pm$ 0.000 χ^2 /NDF: 1053147885.9/30

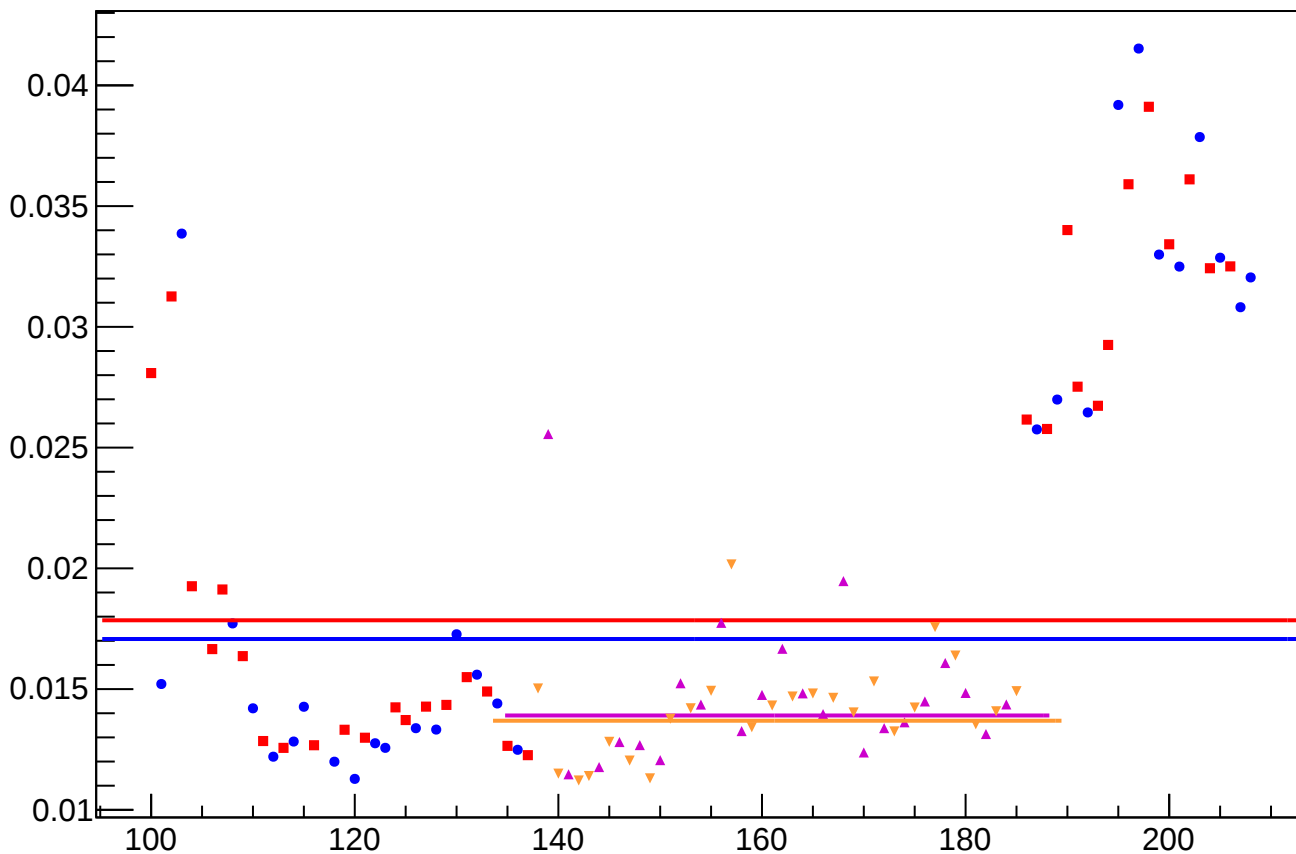
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:170102394.7/22

+ sign 0.804 $\pm$ 0.000 χ^2 /NDF: 2201853166.8/52

All: 0.802 $\pm$ 0.000 χ^2 /NDF: 4570023383.5/10

- sign 0.800 $\pm$ 0.000 χ^2 /NDF: 2367221797.8/53

yield_bpm11X_rms vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 4596193.1/27

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 528480.6/24

Right Out: 0.018 $\pm$ 0.000 χ^2 /NDF: 4037262.0/30

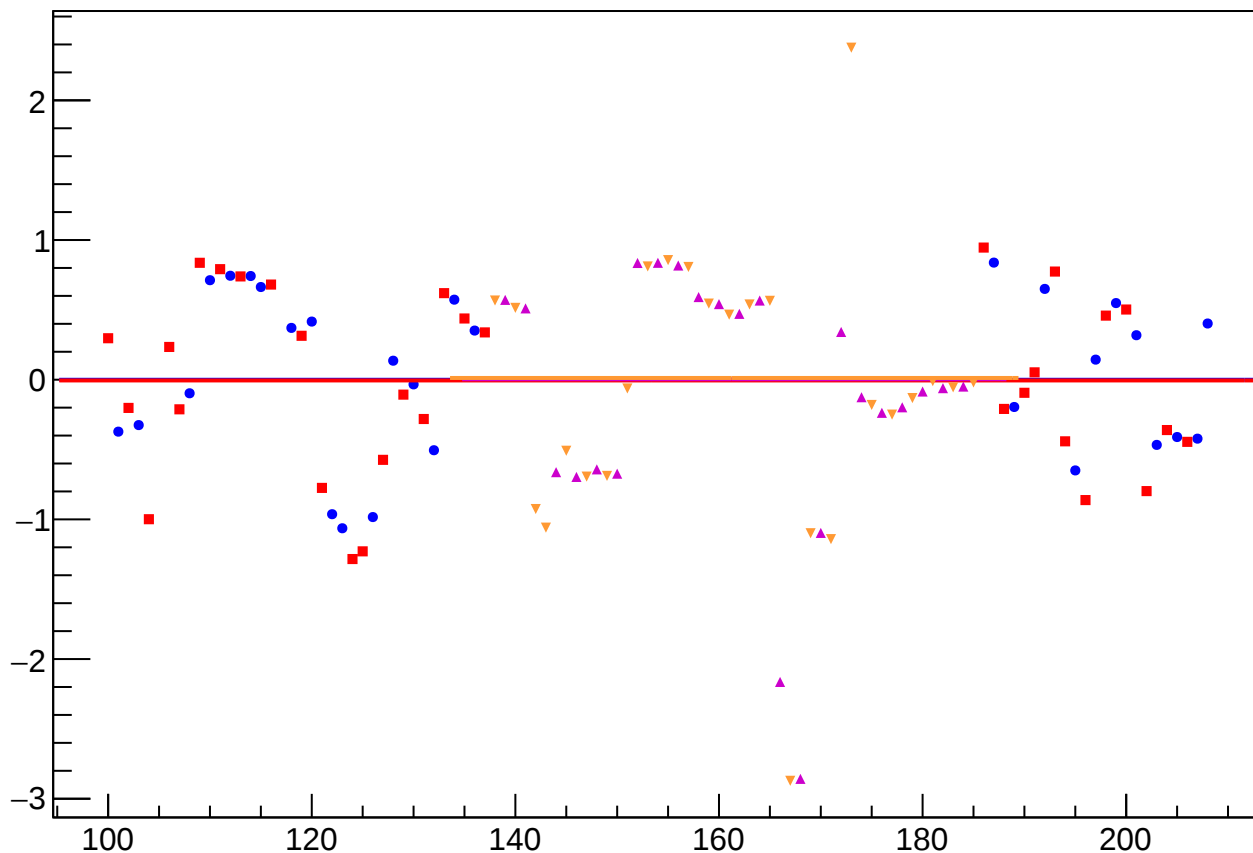
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF: 768161.9/22

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 5726879.8/52

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 11342900.0/106

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 5592978.7/53

yield_bpm11Y_mean vs Slug



Right In: -0.001 ± 0.000 χ^2/NDF : 20234740039.1/27

Left Out: 0.012 ± 0.000 χ^2/NDF : 96383858927.1/24

Right Out: -0.005 ± 0.000 χ^2/NDF : 29568576866.4/30

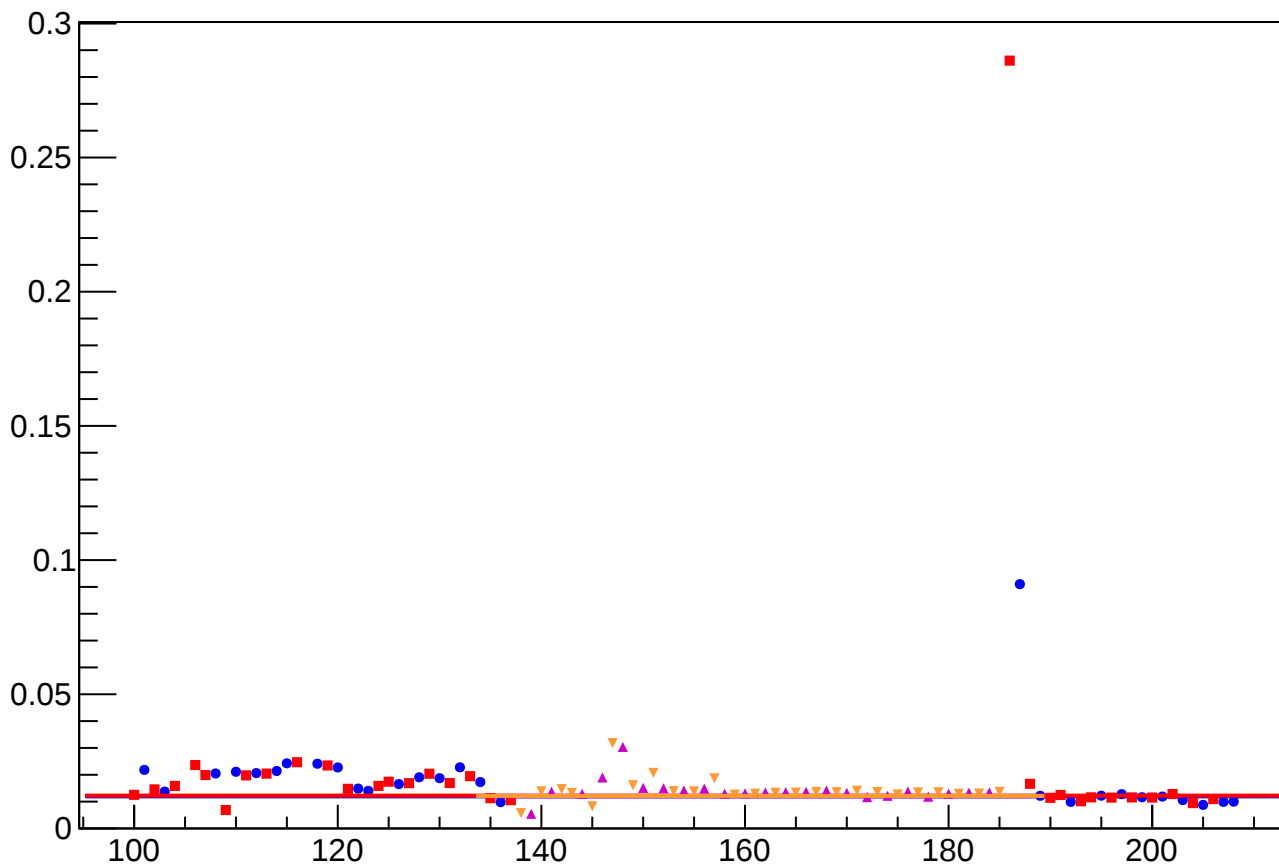
Left In: 0.003 ± 0.000 χ^2/NDF : 78826489573.0/22

+ sign 0.007 ± 0.000 χ^2/NDF : 116626573511.2/52

All: 0.003 ± 0.000 χ^2/NDF : 225029952309.4

- sign -0.001 ± 0.000 χ^2/NDF : 108398333524.2/53

yield_bpm11Y_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2362321.9/27

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3105238.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 2679968.5/30

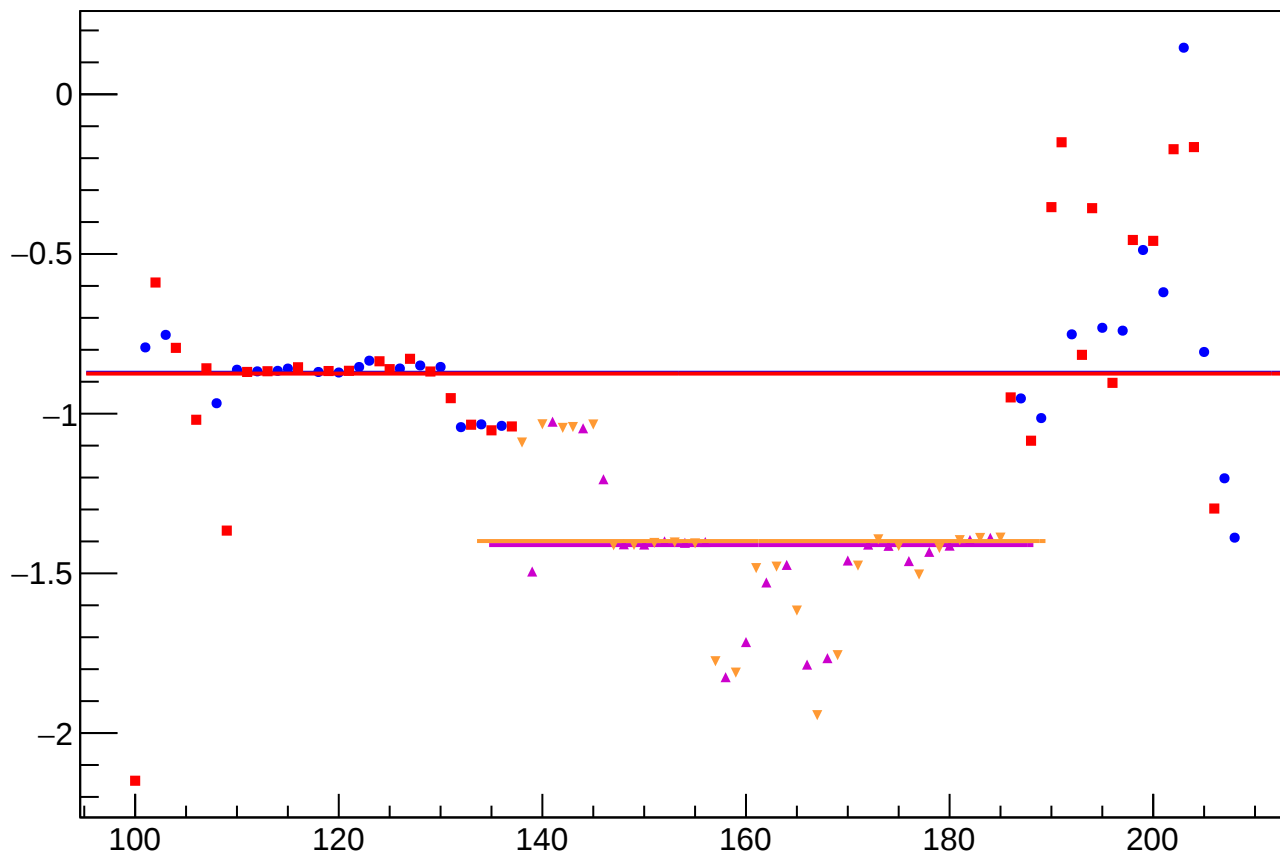
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3003502.9/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5469731.3/52

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 11159226.1/106

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5688759.3/53

yield_bpm12X_mean vs Slug



Right In: -0.872 ± 0.000 $\chi^2/\text{NDF}: 211394767.0/27$

Left Out: -1.399 ± 0.000 $\chi^2/\text{NDF}: 738251911.1/24$

Right Out: -0.874 ± 0.000 $\chi^2/\text{NDF}: 394036492.1/30$

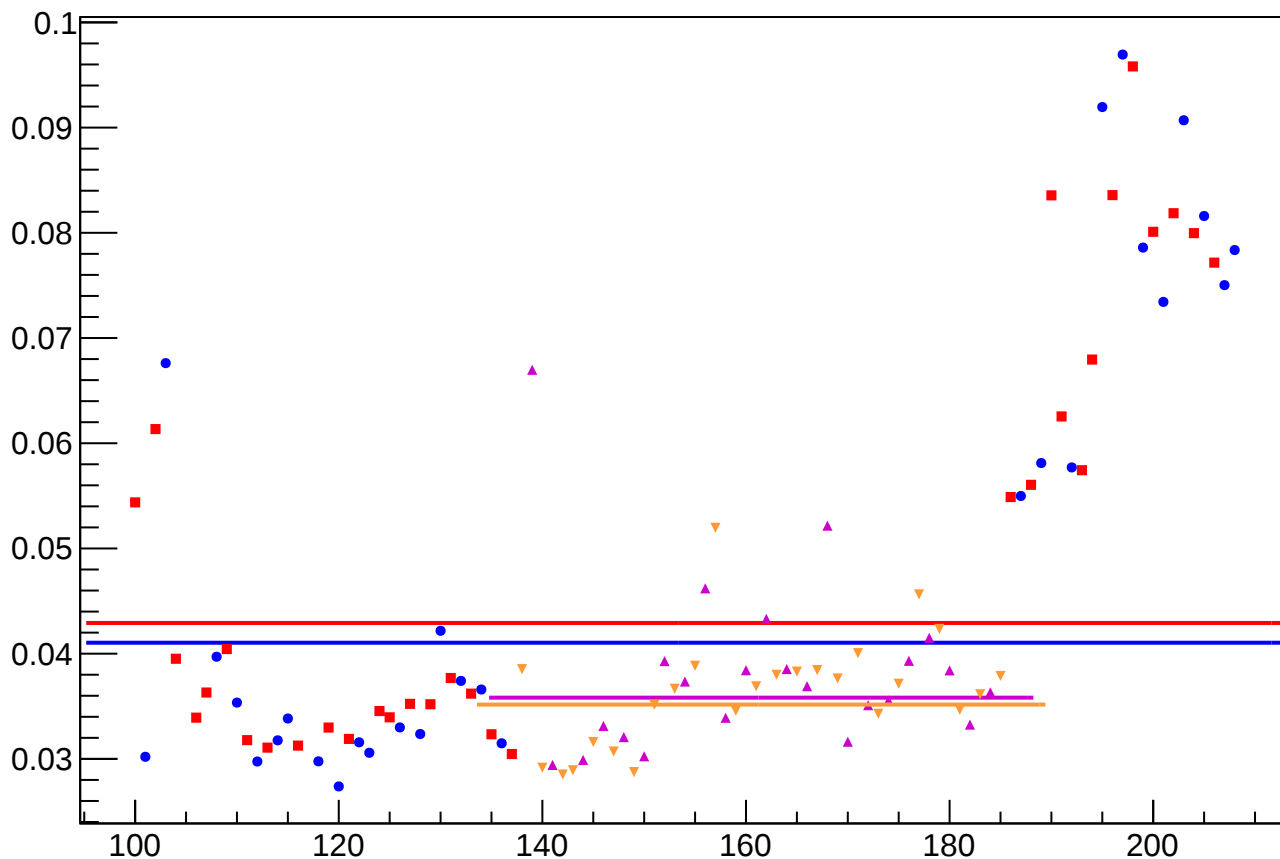
Left In: -1.411 ± 0.000 $\chi^2/\text{NDF}: 512547995.0/22$

+ sign -1.220 ± 0.000 $\chi^2/\text{NDF}: 2171218262.3/52$

All: -1.220 ± 0.000 $\chi^2/\text{NDF}: 4296071058.9/1$

- sign -1.221 ± 0.000 $\chi^2/\text{NDF}: 2124845844.3/53$

yield_bpm12X_rms vs Slug



Right In: 0.041+/-0.000 χ^2/NDF : 4283912.9/27

Left Out: 0.035+/-0.000 χ^2/NDF : 595219.5/24

Right Out: 0.043+/-0.000 χ^2/NDF : 3543048.9/30

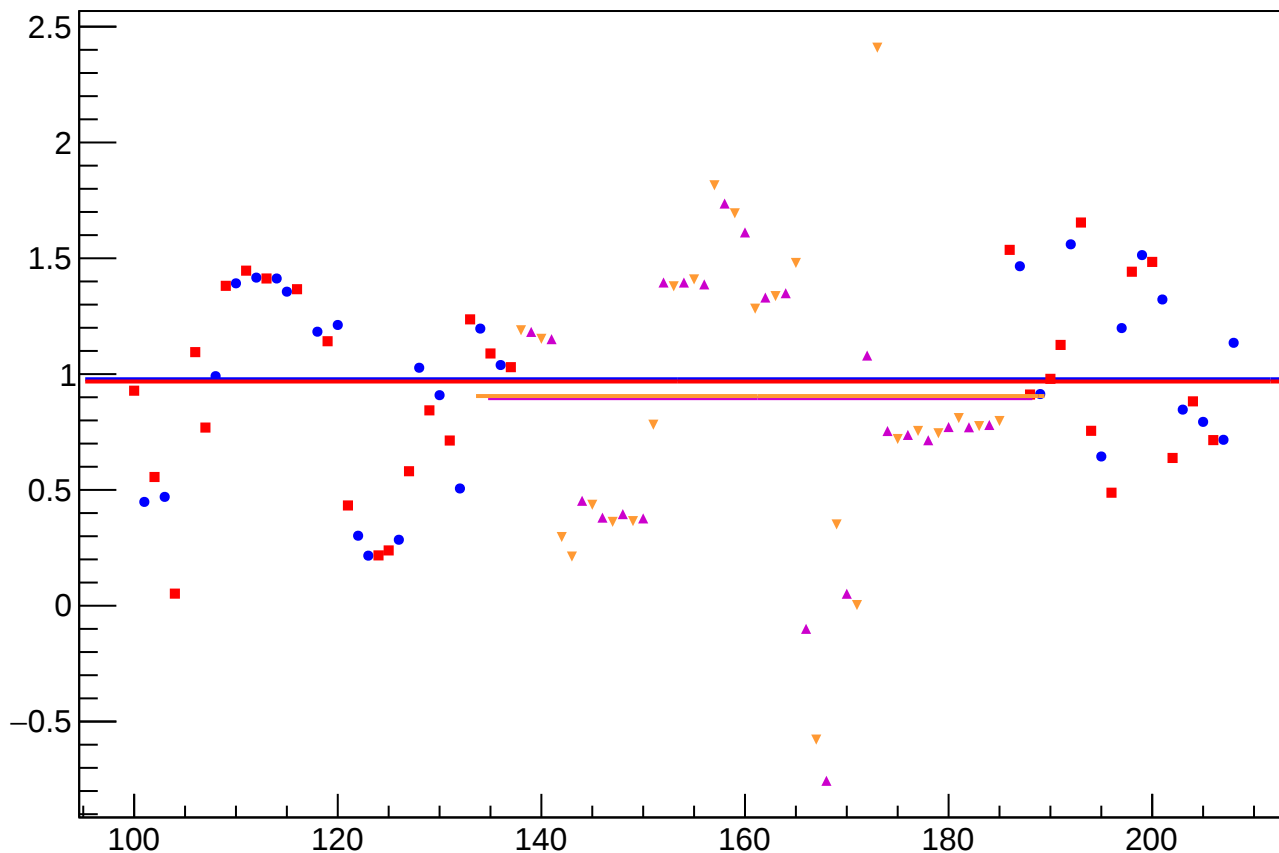
Left In: 0.036+/-0.000 χ^2/NDF : 864147.6/22

+ sign 0.037+/-0.000 χ^2/NDF : 5183266.5/52

All: 0.038+/-0.000 χ^2/NDF : 10042931.2/106

- sign 0.038+/-0.000 χ^2/NDF : 4833030.0/53

yield_bpm12Y_mean vs Slug



Right In: 0.978 $\pm$ 0.000 χ^2 /NDF: 22898691129.0/27

Left Out: 0.905 $\pm$ 0.000 χ^2 /NDF: 84265726513.8/24

Right Out: 0.968 $\pm$ 0.000 χ^2 /NDF: 27199449704.6/30

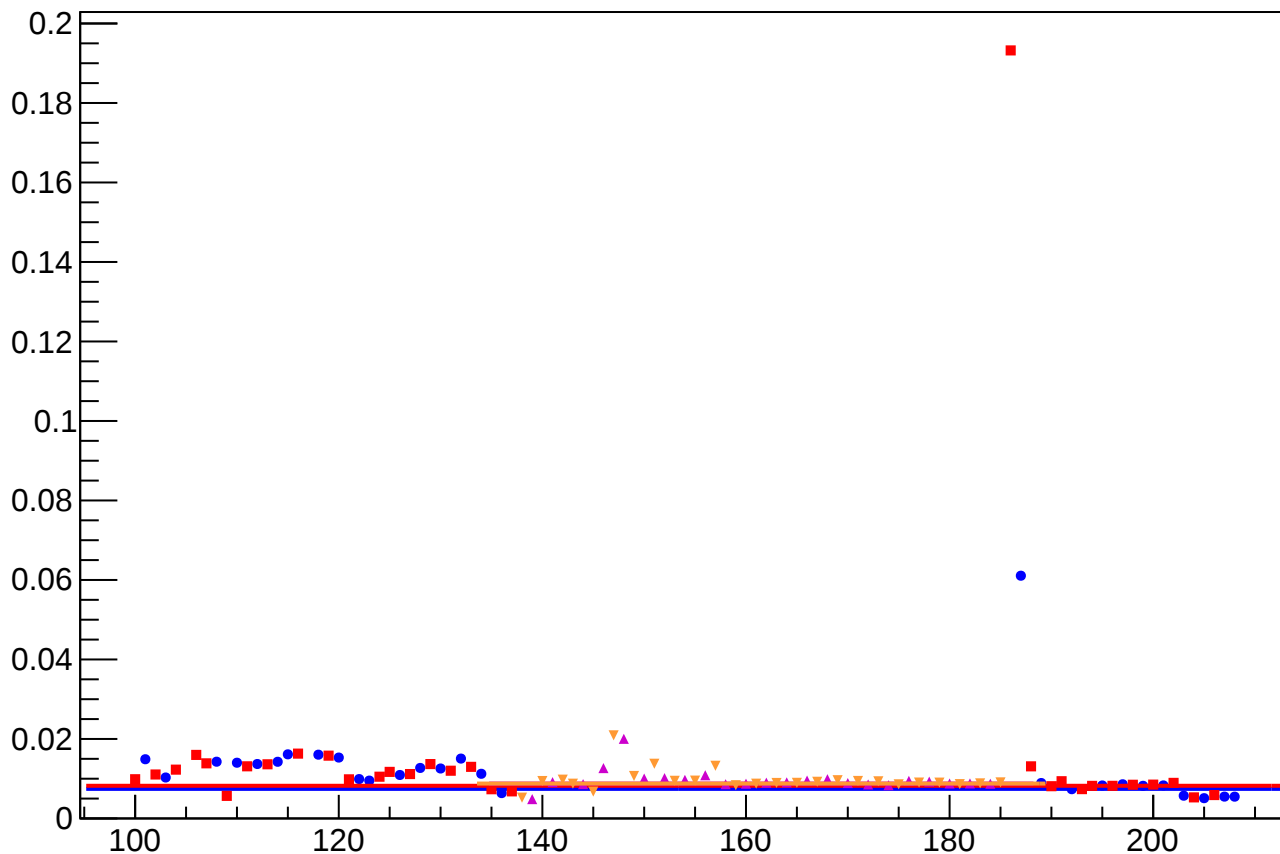
Left In: 0.896 $\pm$ 0.000 χ^2 /NDF: 66594200889.6/22

+ sign 0.941 $\pm$ 0.000 χ^2 /NDF: 107732867598.7/52

All: 0.936 $\pm$ 0.000 χ^2 /NDF: 202049105900.4

- sign 0.930 $\pm$ 0.000 χ^2 /NDF: 94291028289.7/53

yield_bpm12Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 3206048.0/27

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1697568.1/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 3111694.5/30

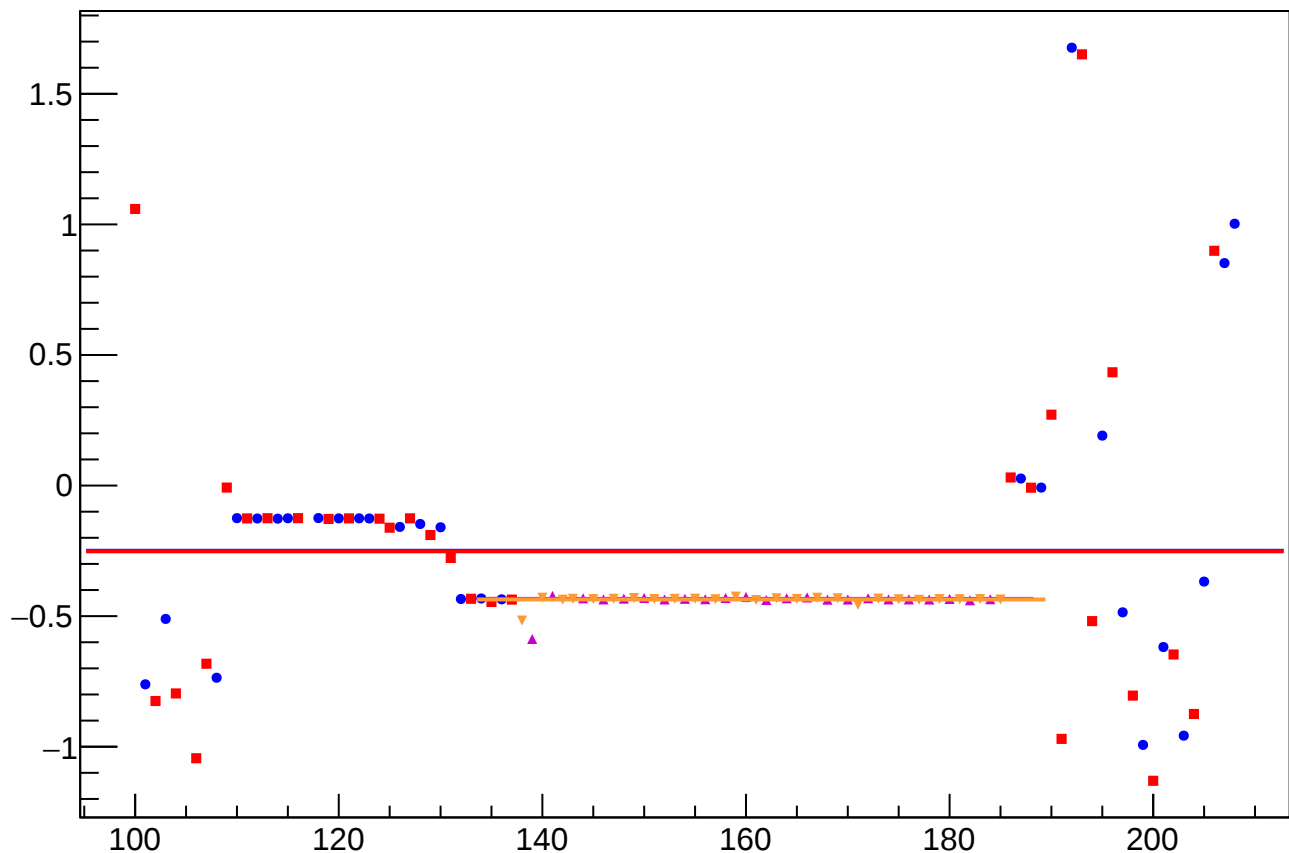
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1607939.0/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 5291710.0/52

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 10134470.3/106

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 4778343.5/53

yield_bpm16X_mean vs Slug



Right In: -0.250 ± 0.000 χ^2/NDF : 3168139372.1/27

Left Out: -0.436 ± 0.000 χ^2/NDF : 28774660.0/24

Right Out: -0.252 ± 0.000 χ^2/NDF : 2660983279.4/30

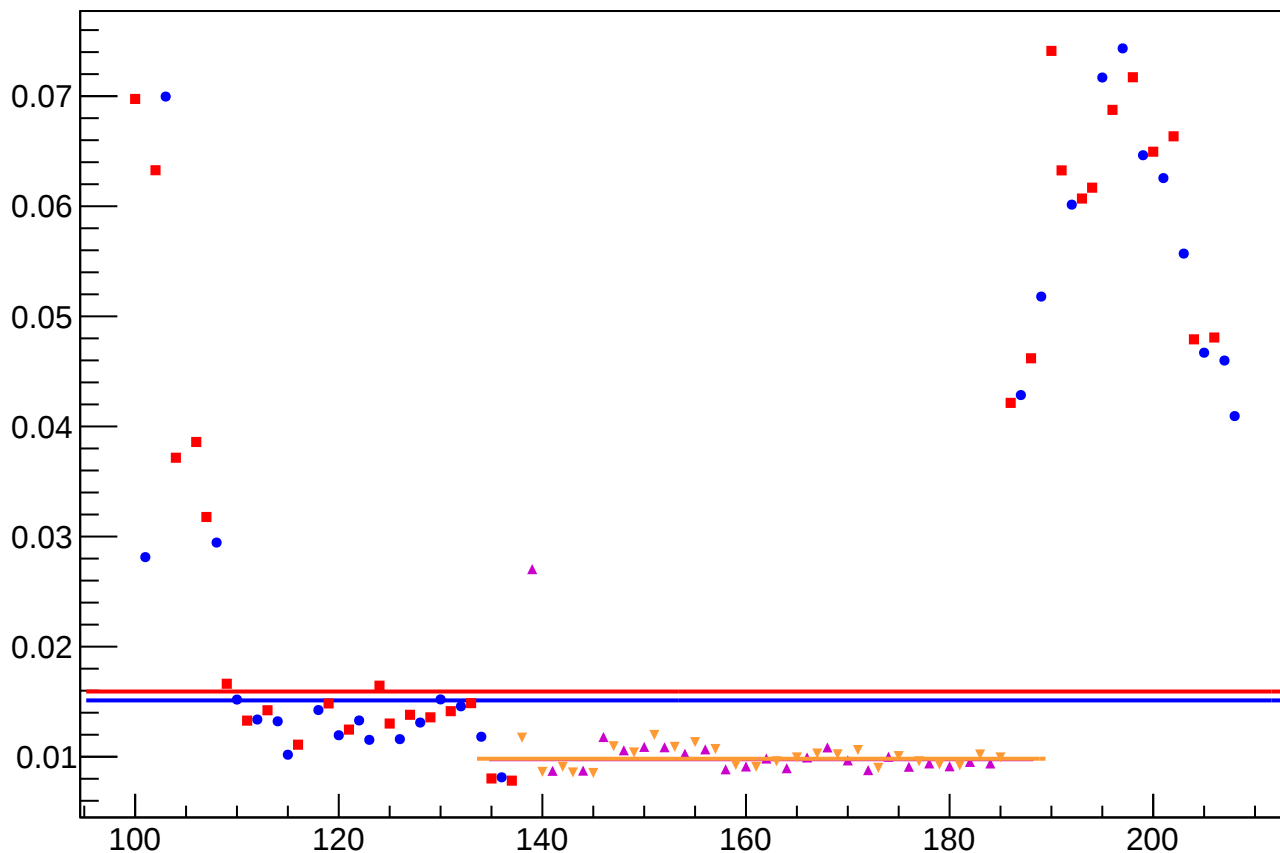
Left In: -0.434 ± 0.000 χ^2/NDF : 23984173.0/22

+ sign -0.404 ± 0.000 χ^2/NDF : 4183865661.1/52

All: -0.403 ± 0.000 χ^2/NDF : 7753300233.3/1

- sign -0.402 ± 0.000 χ^2/NDF : 3569271844.8/53

yield_bpm16X_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 10203407.9/27

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:269242.6/24

Right Out: 0.016 $\pm$ 0.000 χ^2 /NDF: 10615049.1/30

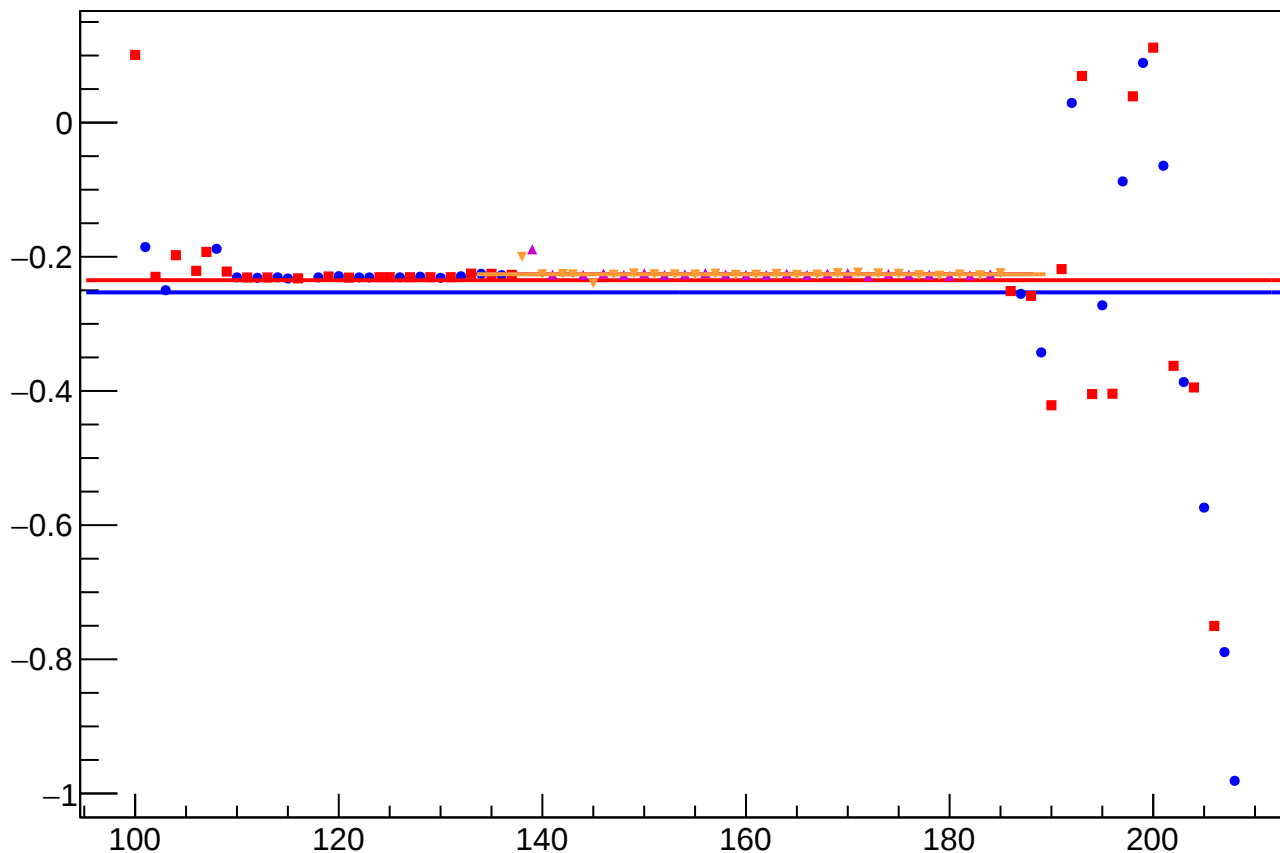
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:747550.0/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 12066928.8/52

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 25442835.6/106

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 13374018.1/53

yield_bpm16Y_mean vs Slug



Right In: -0.253 ± 0.000 $\chi^2/\text{NDF}: 22442082989.6/27$

Left Out: -0.226 ± 0.000 $\chi^2/\text{NDF}: 21205667.4/24$

Right Out: -0.235 ± 0.000 $\chi^2/\text{NDF}: 13480447369.2/30$

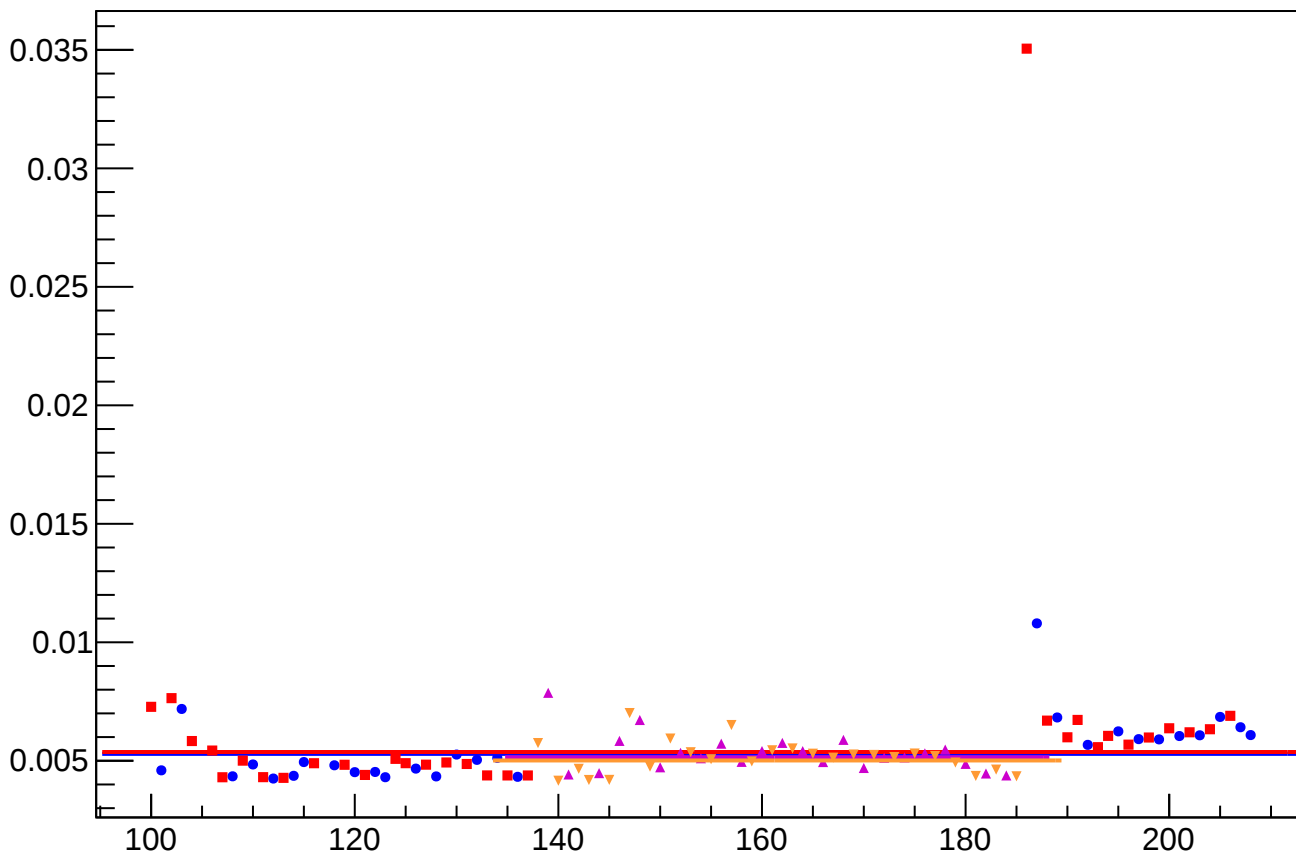
Left In: -0.226 ± 0.000 $\chi^2/\text{NDF}: 15245251.1/22$

+ sign -0.237 ± 0.000 $\chi^2/\text{NDF}: 22666192167.7/52$

All: -0.233 ± 0.000 $\chi^2/\text{NDF}: 36214069224.4/103$

- sign -0.230 ± 0.000 $\chi^2/\text{NDF}: 13518248653.7/53$

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 776653.8/27

Left Out: 0.005+/-0.000 χ^2/NDF : 530632.6/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1255335.4/30

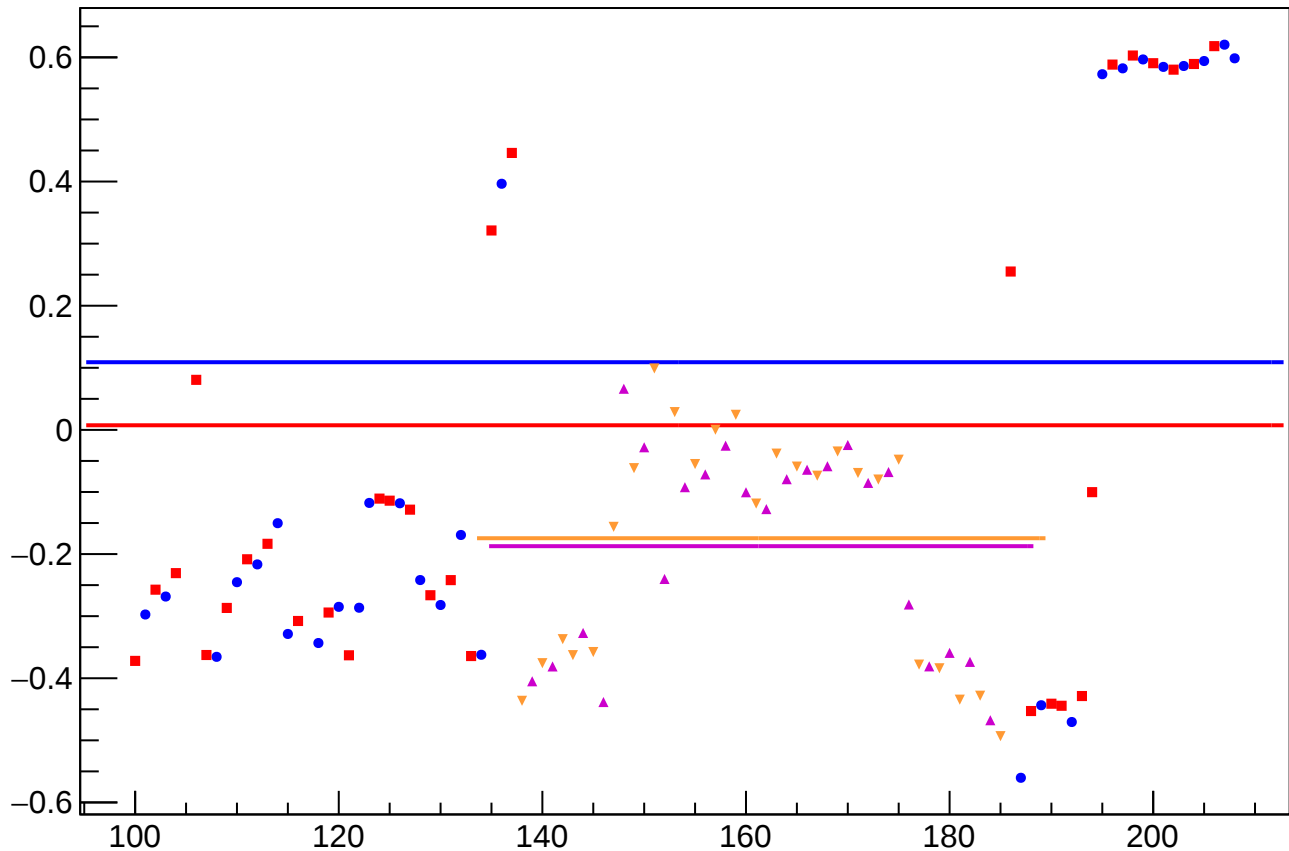
Left In: 0.005+/-0.000 χ^2/NDF : 493107.7/22

+ sign 0.005+/-0.000 χ^2/NDF : 1350248.0/52

All: 0.005+/-0.000 χ^2/NDF : 3140497.1/106

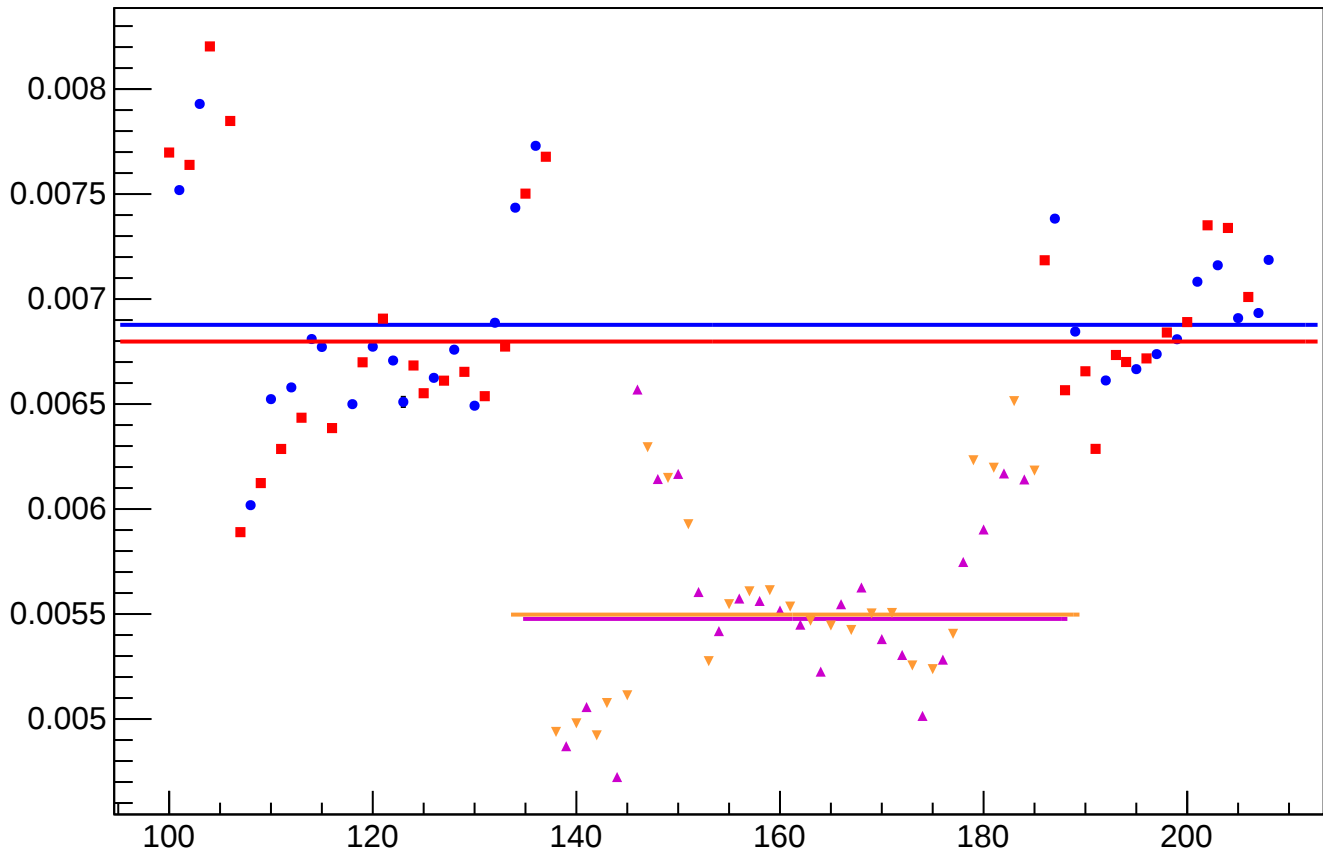
- sign 0.005+/-0.000 χ^2/NDF : 1775044.7/53

yield_bpm0i02X_mean vs Slug



Right In: 0.109+/-0.000	χ^2/NDF : 60427656711.2/27	+ sign -0.077+/-0.000	χ^2/NDF : 94346613840.1/52
Left Out: -0.174+/-0.000	χ^2/NDF : 18025533236.1/24	All: -0.096+/-0.000	χ^2/NDF : 170066205097.1
Right Out: 0.007+/-0.000	χ^2/NDF : 54624792519.0/30	- sign -0.116+/-0.000	χ^2/NDF : 75088268835.6/53
Left In: -0.187+/-0.000	χ^2/NDF : 12816646575.4/22		

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 91502.6/27

Left Out: 0.005+/-0.000 χ^2/NDF :198746.4/24

Right Out: 0.007+/-0.000 χ^2/NDF : 130089.3/30

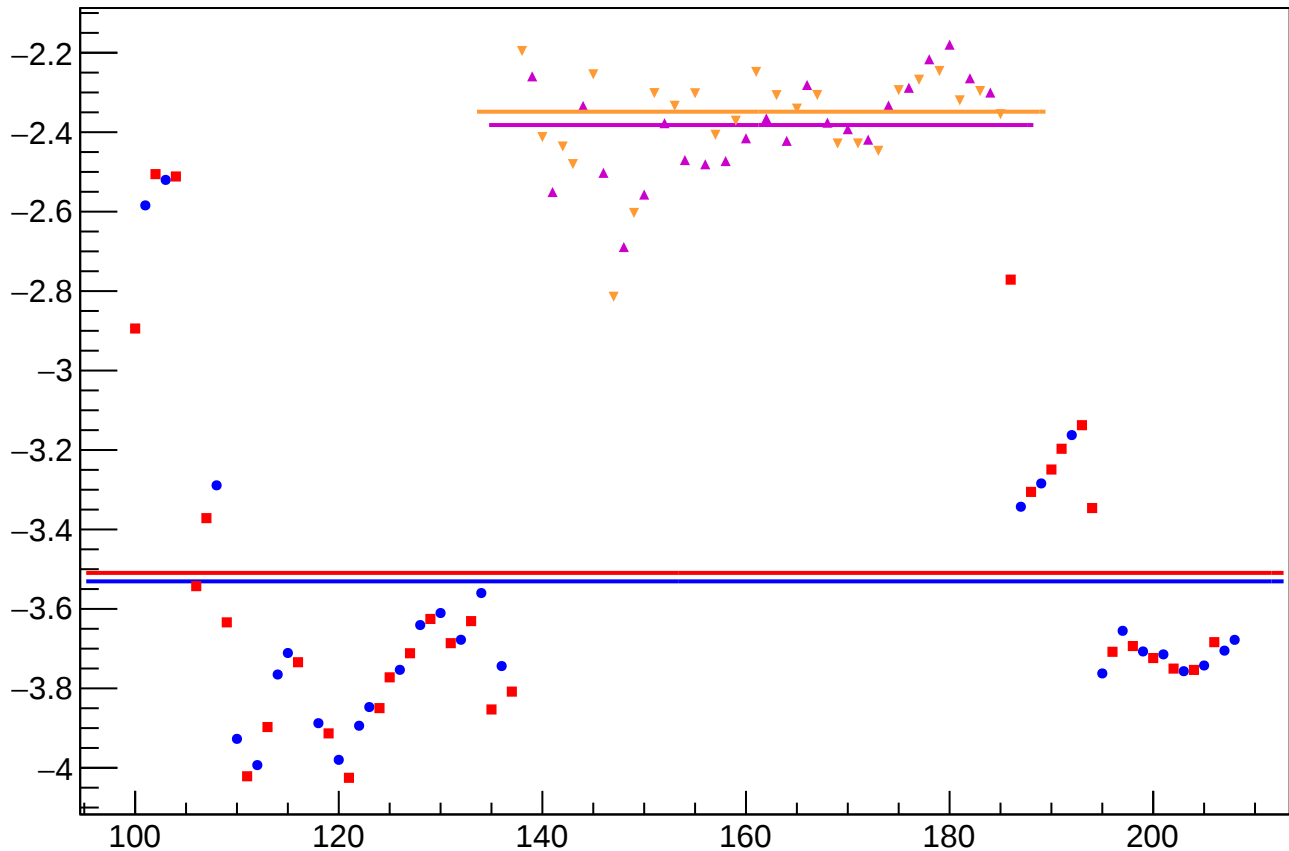
Left In: 0.005+/-0.000 χ^2/NDF :202181.4/22

+ sign 0.006+/-0.000 χ^2/NDF : 1043313.3/52

All: 0.006+/-0.000 χ^2/NDF : 2079380.6/106

- sign 0.006+/-0.000 χ^2/NDF : 1036036.7/53

yield_bpm0i02Y_mean vs Slug



Right In: -3.531+/-0.000 χ^2/NDF : 30026680080.3/27

Left Out: -2.348+/-0.000 χ^2/NDF : 2158686333.4/24

Right Out: -3.509+/-0.000 χ^2/NDF : 30813075038.6/30

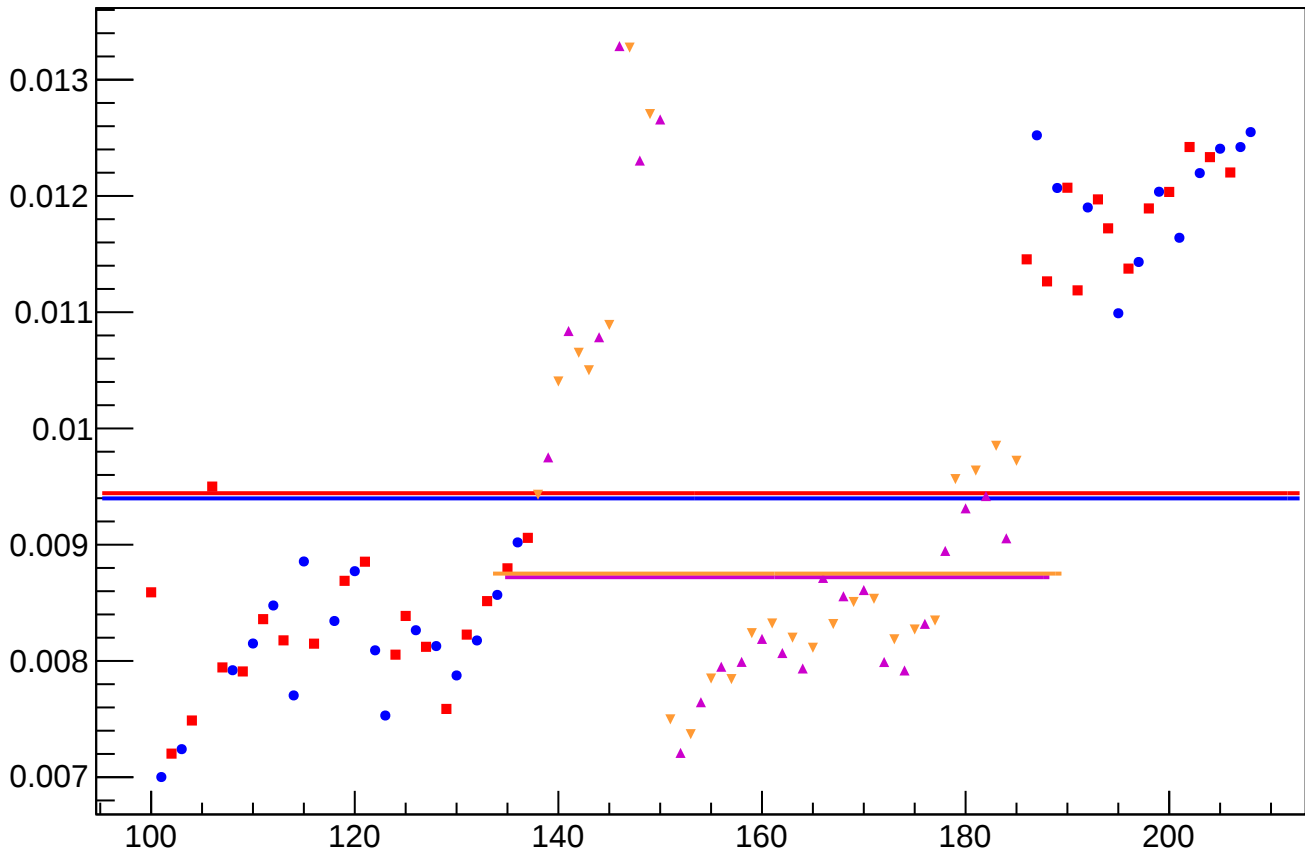
Left In: -2.382+/-0.000 χ^2/NDF : 2318395228.4/22

+ sign -2.828+/-0.000 χ^2/NDF : 159752130194.3/52

All: -2.845+/-0.000 χ^2/NDF : 308711962973.2

- sign -2.863+/-0.000 χ^2/NDF : 148736523122.0/53

yield_bpm0i02Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 1143553.9/27

Left Out: 0.009+/-0.000 χ^2/NDF : 663672.8/24

Right Out: 0.009+/-0.000 χ^2/NDF : 1066242.5/30

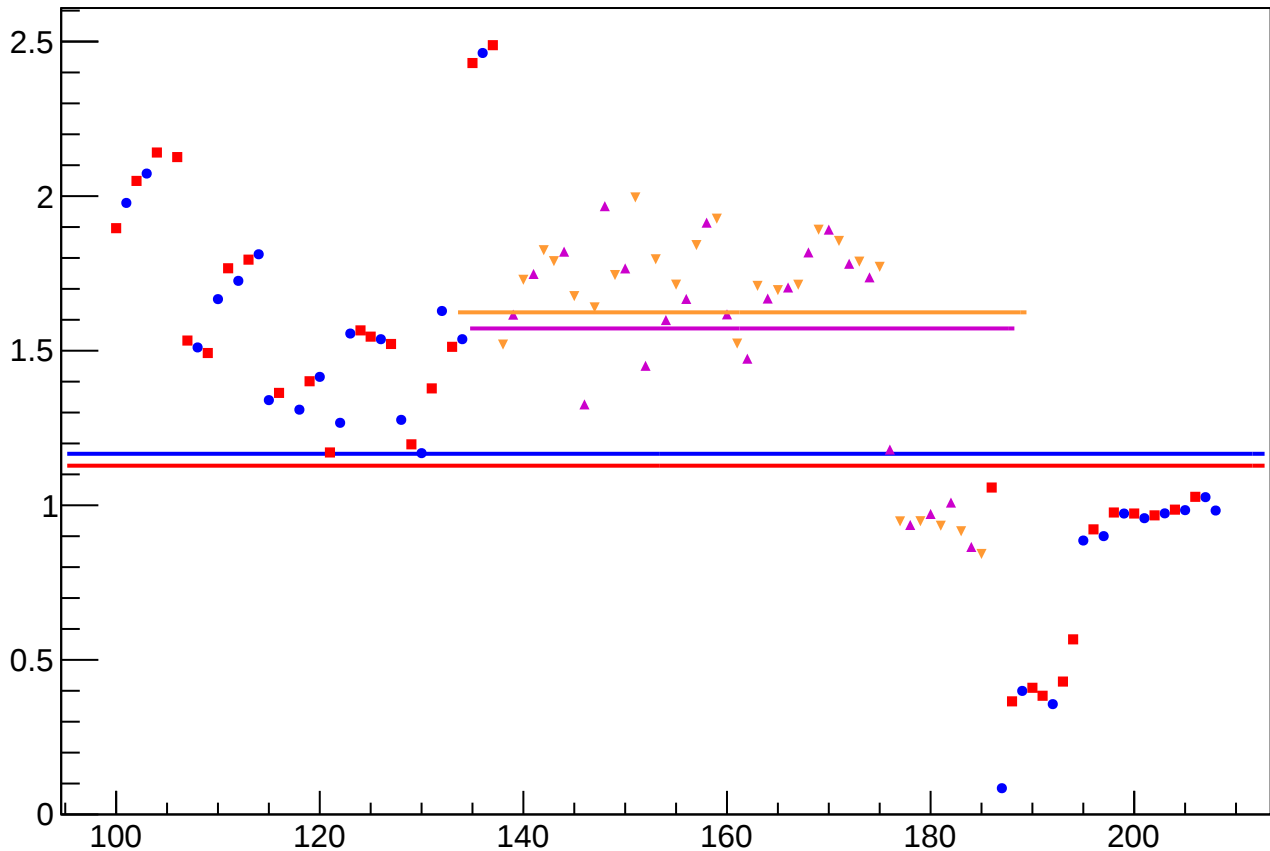
Left In: 0.009+/-0.000 χ^2/NDF : 747867.0/22

+ sign 0.009+/-0.000 χ^2/NDF : 1883606.4/52

All: 0.009+/-0.000 χ^2/NDF : 3792765.8/106

- sign 0.009+/-0.000 χ^2/NDF : 1909079.0/53

yield_bpm0i02aX_mean vs Slug



Right In: 1.167 $\pm$ 0.000 χ^2 /NDF: 27574124337.8/27

Left Out: 1.624 $\pm$ 0.000 χ^2 /NDF: 16631112386.4/24

Right Out: 1.128 $\pm$ 0.000 χ^2 /NDF: 32644225397.5/30

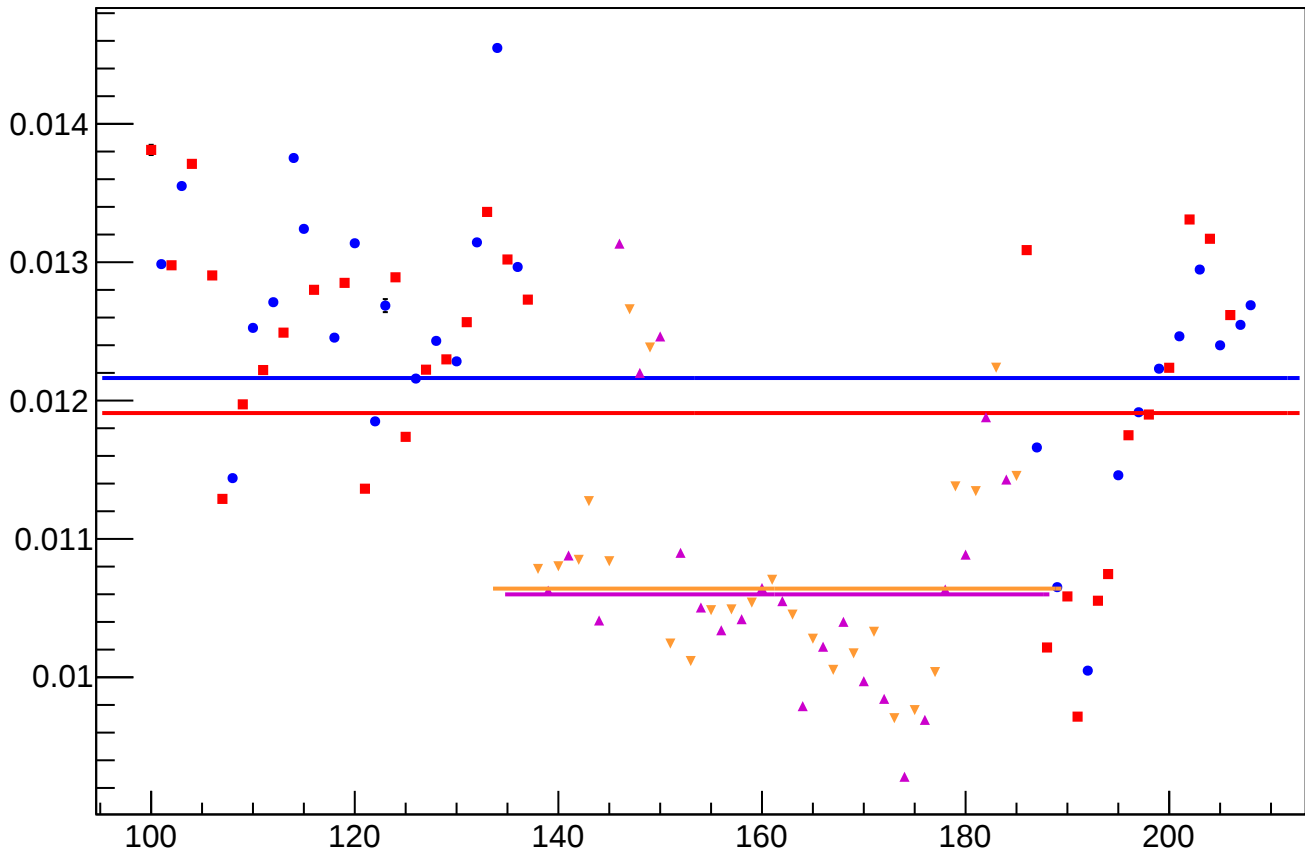
Left In: 1.572 $\pm$ 0.000 χ^2 /NDF: 14230484809.4/22

+ sign 1.451 $\pm$ 0.000 χ^2 /NDF: 56594141821.0/52

All: 1.420 $\pm$ 0.000 χ^2 /NDF: 115908601216.1

- sign 1.389 $\pm$ 0.000 χ^2 /NDF: 58845480085.1/53

yield_bpm0i02aX_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 169147.9/27

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:159760.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 231027.0/30

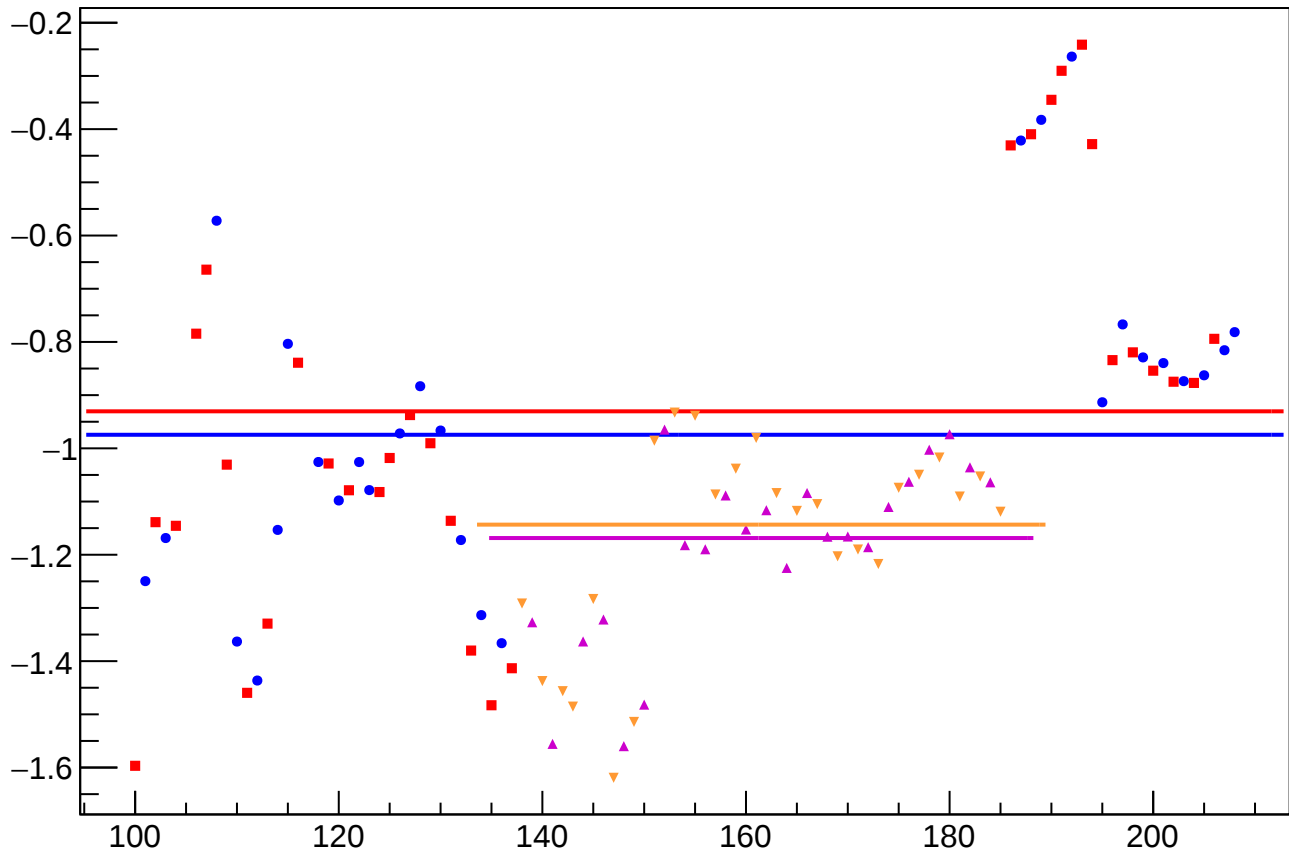
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:204531.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 603129.9/52

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 1249016.2/106

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 644273.0/53

yield_bpm0i02aY_mean vs Slug



Right In: -0.975 ± 0.000 $\chi^2/\text{NDF}: 11137407911.3/27$

Left Out: -1.143 ± 0.000 $\chi^2/\text{NDF}: 7976364534.0/24$

Right Out: -0.930 ± 0.000 $\chi^2/\text{NDF}: 15873891621.5/30$

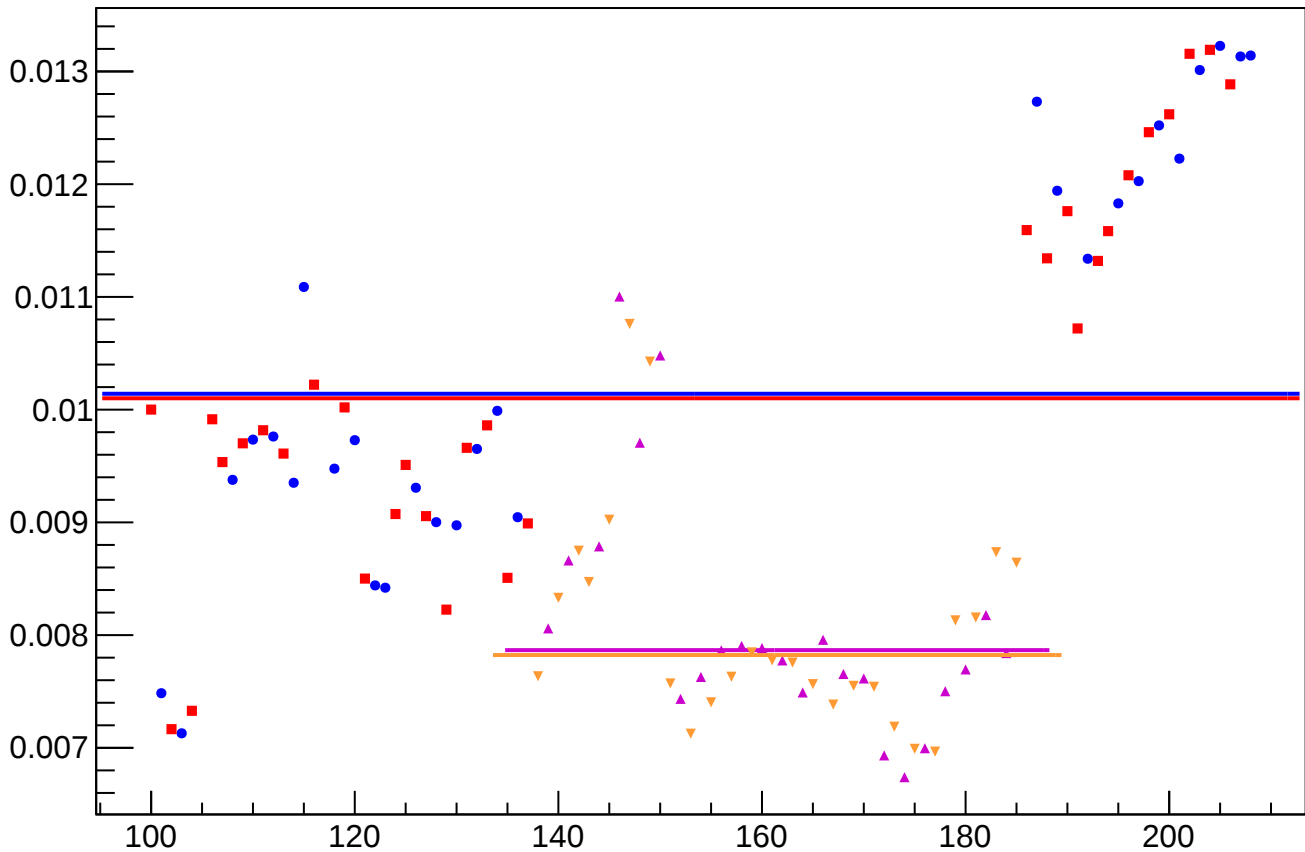
Left In: -1.169 ± 0.000 $\chi^2/\text{NDF}: 6362643368.6/22$

+ sign -1.089 ± 0.000 $\chi^2/\text{NDF}: 21663520369.2/52$

All: -1.088 ± 0.000 $\chi^2/\text{NDF}: 49026891981.9$

- sign -1.086 ± 0.000 $\chi^2/\text{NDF}: 27361565862.1/53$

yield_bpm0i02aY_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 979236.1/27

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:336387.6/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 907845.7/30

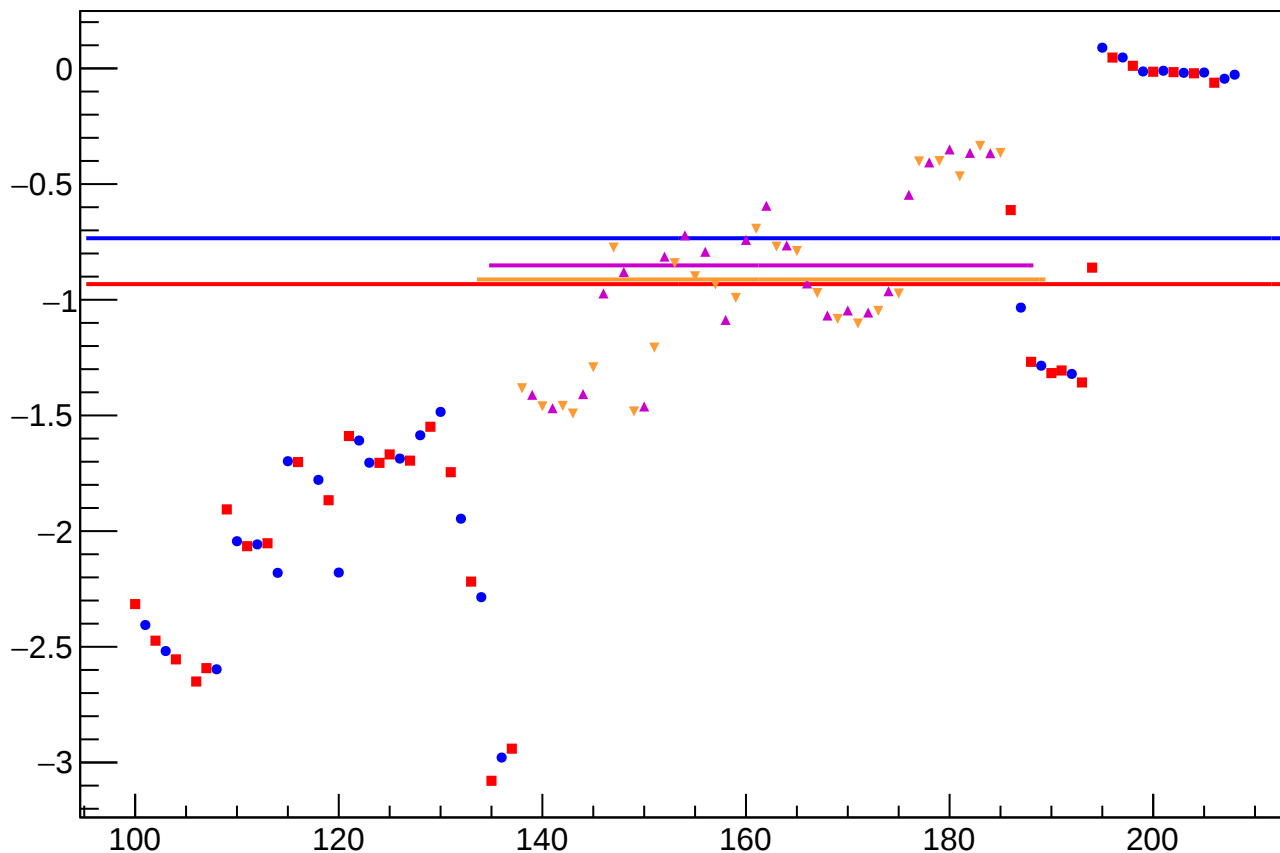
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:379901.3/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2275954.2/52

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 4467646.0/106

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2189485.1/53

yield_bpm0i05X_mean vs Slug



Right In: -0.734 ± 0.000 χ^2/NDF : 361789732027.7/27

Left Out: -0.912 ± 0.000 χ^2/NDF : 49039425818.1/24

Right Out: -0.932 ± 0.000 χ^2/NDF : 354482618170.5/30

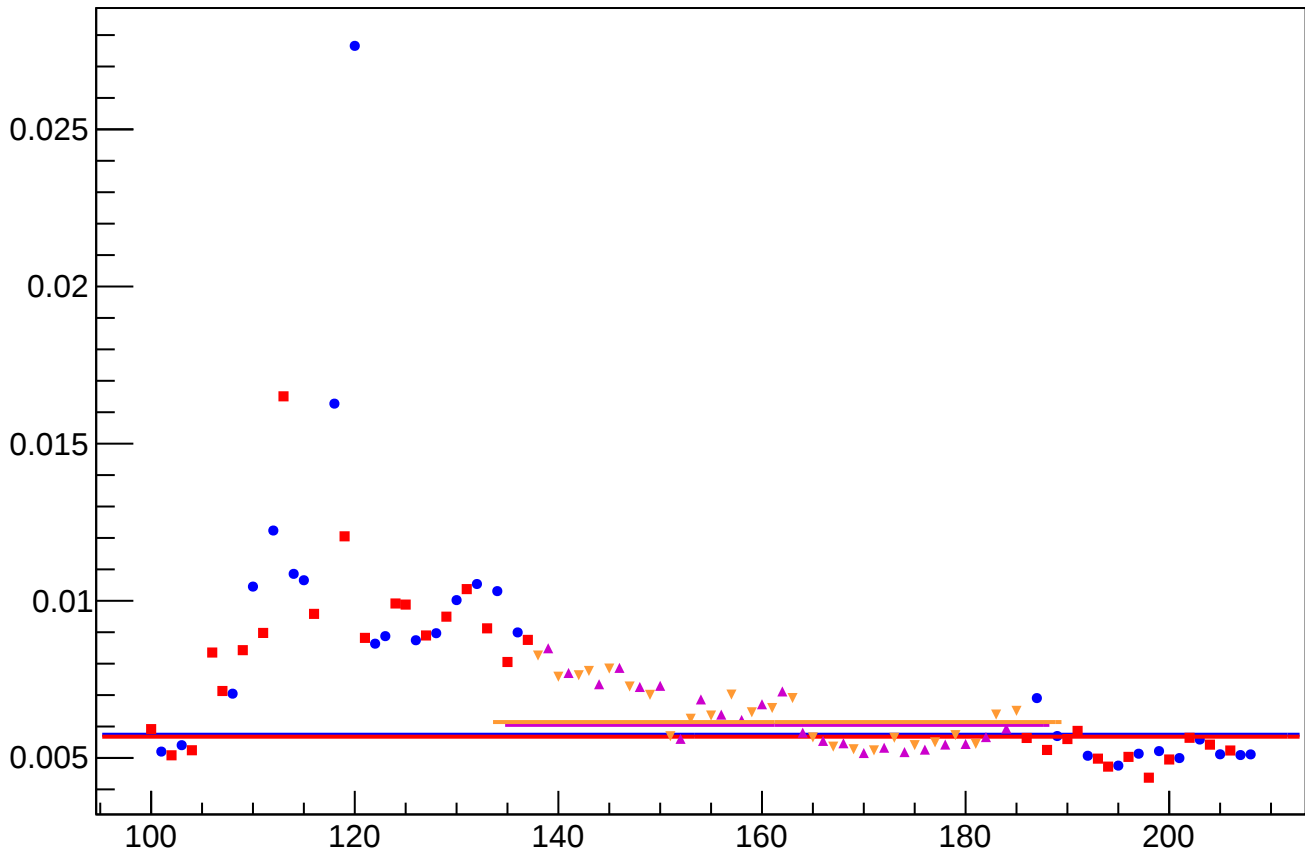
Left In: -0.851 ± 0.000 χ^2/NDF : 46438446008.2/22

+ sign -0.833 ± 0.000 χ^2/NDF : 417127347401.9/52

All: -0.862 ± 0.000 χ^2/NDF : 820733686056.5

- sign -0.890 ± 0.000 χ^2/NDF : 402271237715.4/53

yield_bpm0i05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 2026123.7/27

Left Out: 0.006+/-0.000 χ^2/NDF : 637765.4/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1895294.4/30

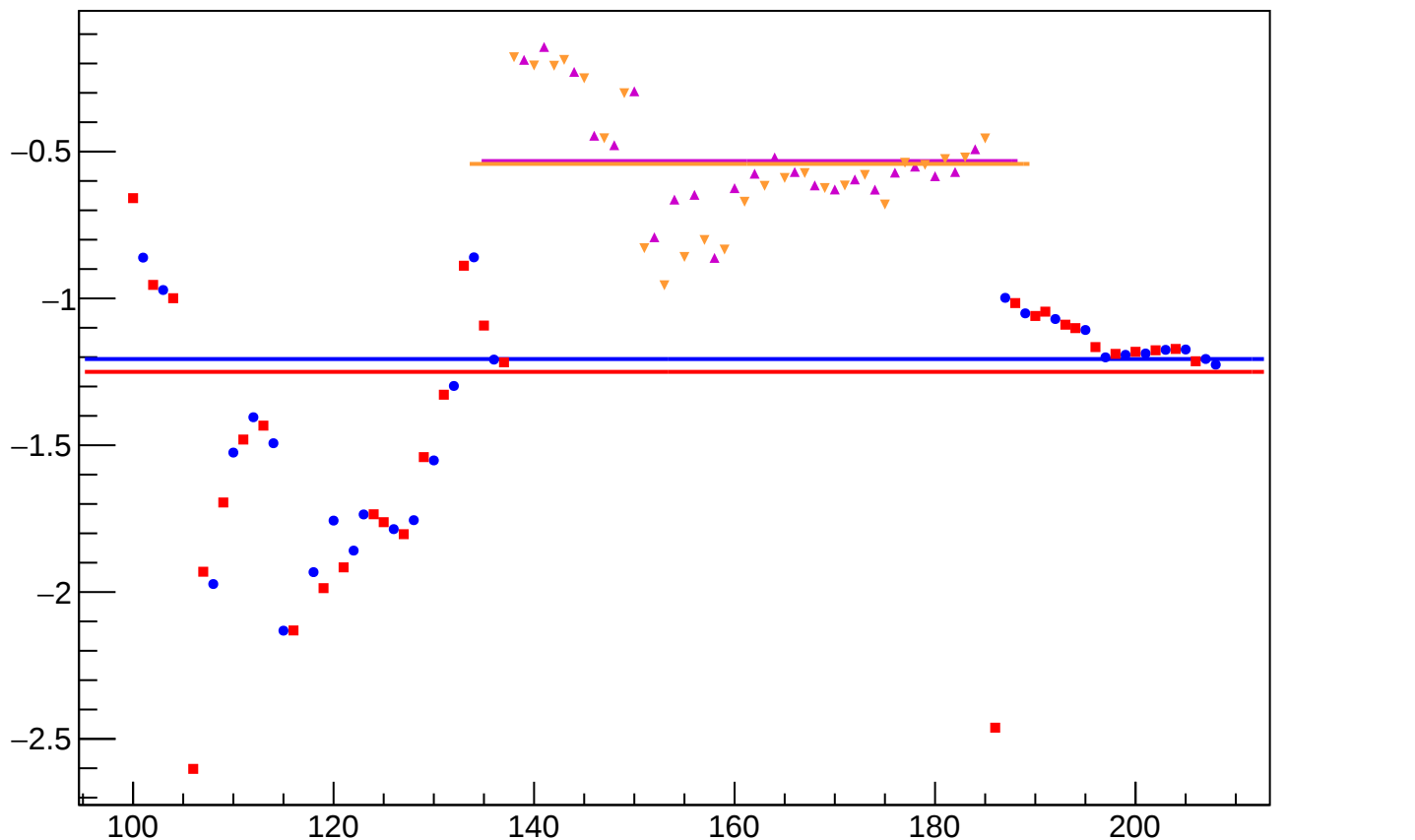
Left In: 0.006+/-0.000 χ^2/NDF : 697577.8/22

+ sign 0.006+/-0.000 χ^2/NDF : 2728526.1/52

All: 0.006+/-0.000 χ^2/NDF : 5385918.1/106

- sign 0.006+/-0.000 χ^2/NDF : 2651142.7/53

yield_bpm0i05Y_mean vs Slug



Right In: -1.206 ± 0.000 χ^2/NDF : 26348214413.2/27

Left Out: -0.542 ± 0.000 χ^2/NDF : 47268284910.3/24

Right Out: -1.250 ± 0.000 χ^2/NDF : 78867915905.6/30

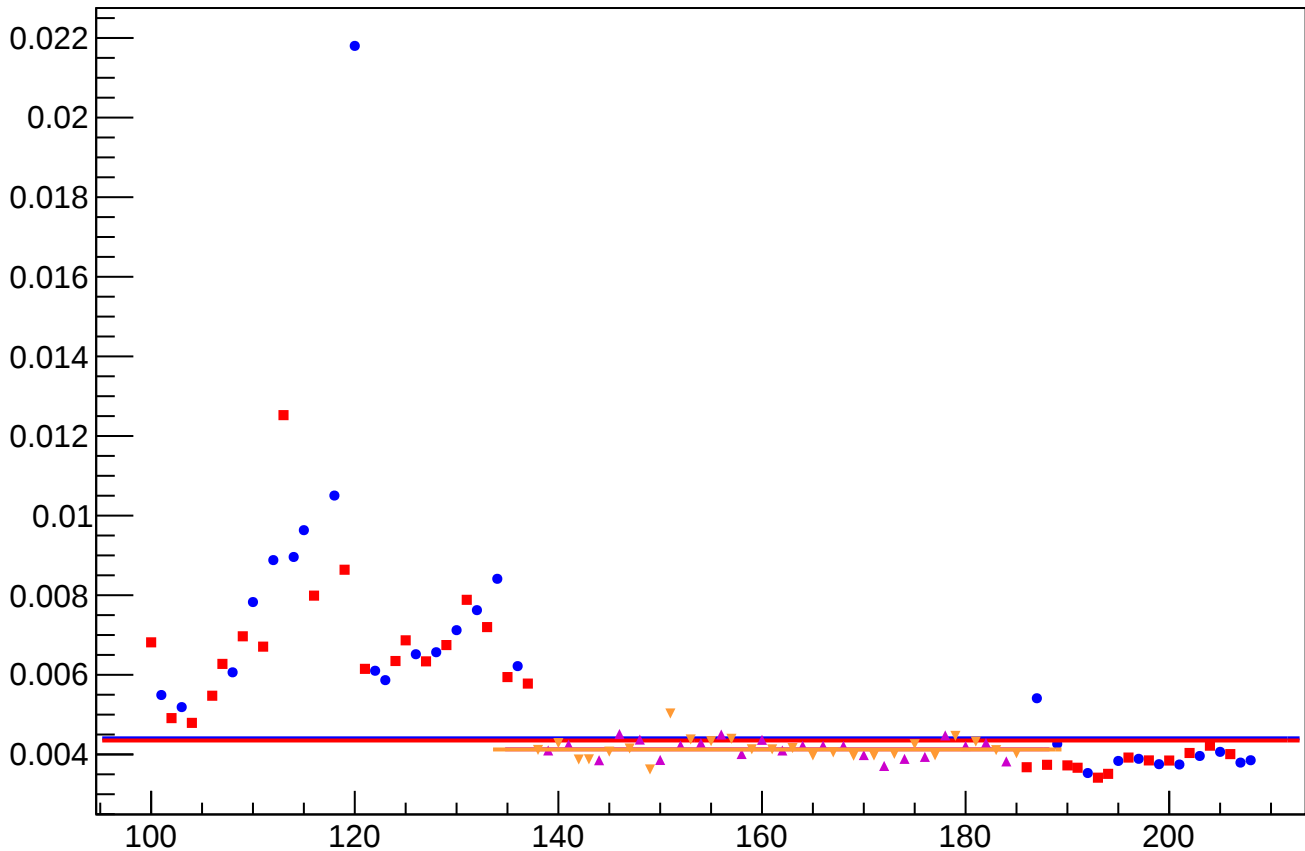
Left In: -0.532 ± 0.000 χ^2/NDF : 30715235426.8/22

+ sign -0.794 ± 0.000 χ^2/NDF : 240043311857.1/52

All: -0.811 ± 0.000 χ^2/NDF : 549556410899.9

- sign -0.828 ± 0.000 χ^2/NDF : 308600059437.1/53

yield_bpm0i05Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 2028326.2/27

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:113033.9/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1841968.1/30

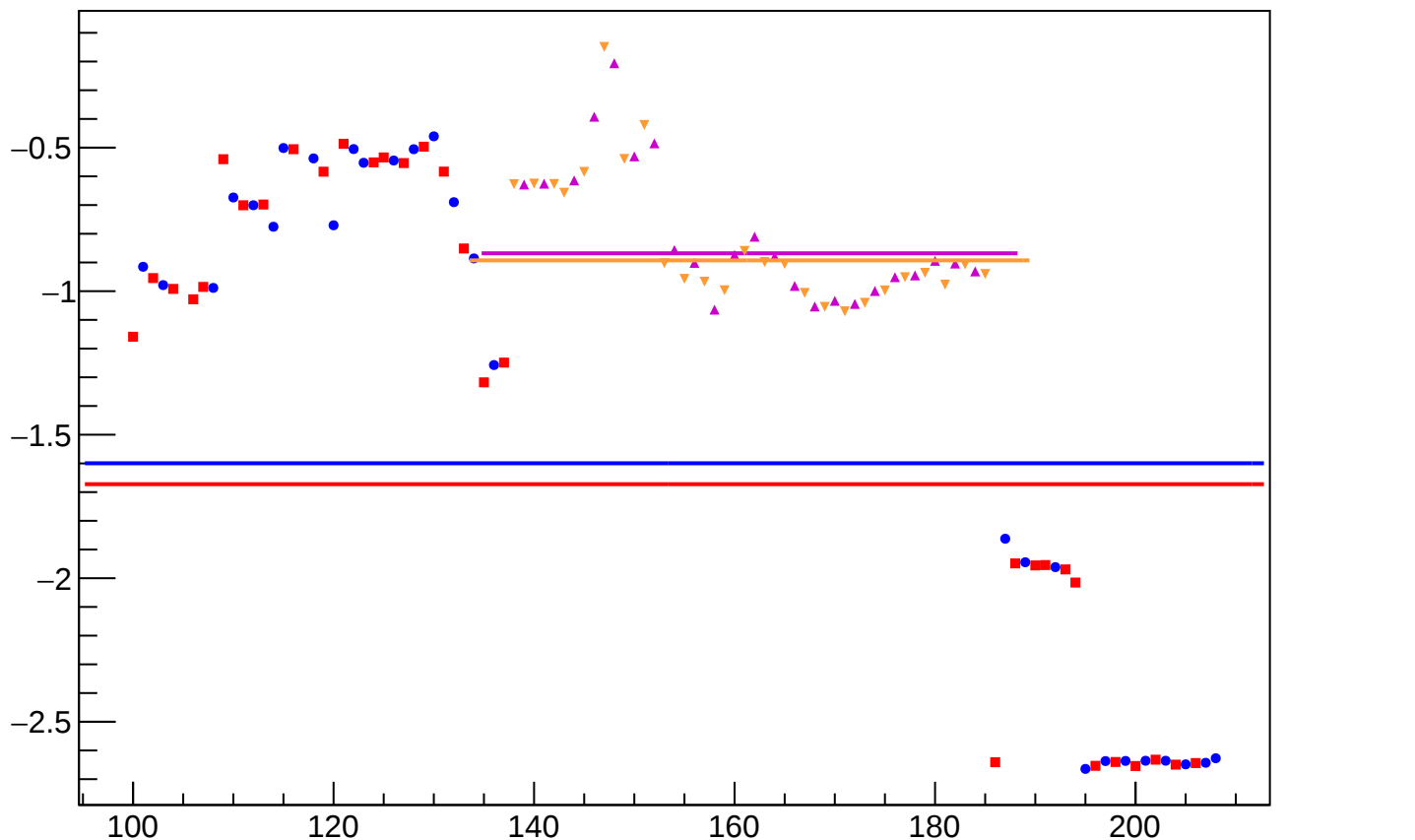
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:93111.2/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2200318.1/52

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4173117.9/106

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1972638.8/53

yield_bpm0i07X_mean vs Slug



Right In: -1.600+/-0.000 χ^2/NDF : 254877841172.1/27

Left Out: -0.893+/-0.000 χ^2/NDF : 40787012603.8/24

Right Out: -1.672+/-0.000 χ^2/NDF : 304439397227.0/30

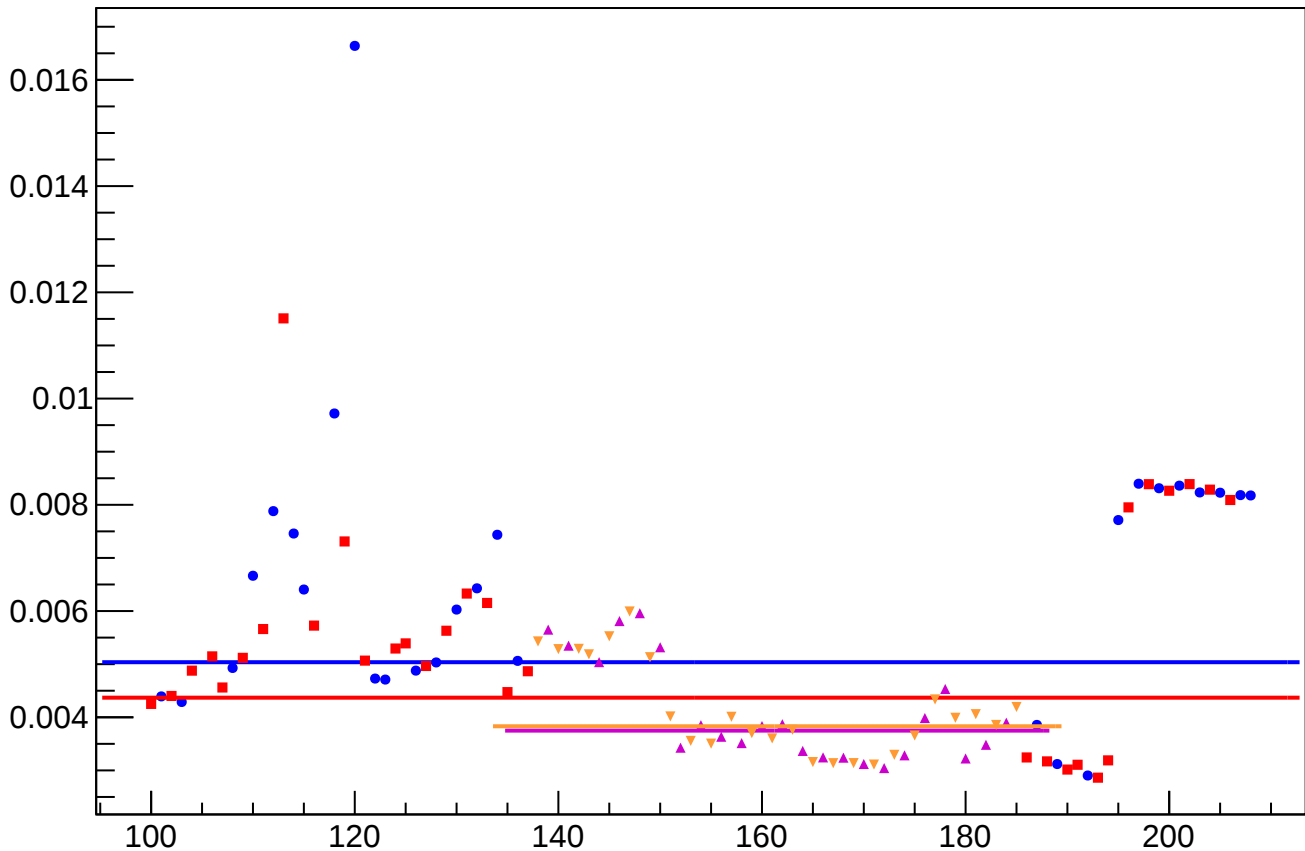
Left In: -0.868+/-0.000 χ^2/NDF : 43853190177.2/22

+ sign -1.095+/-0.000 χ^2/NDF : 456417336312.0/52

All: -1.128+/-0.000 χ^2/NDF : 1068632449141

- sign -1.158+/-0.000 χ^2/NDF : 608867644029.3/53

yield_bpm0i07X_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2/NDF : 3848795.1/27

Left Out: 0.004 $\pm$ 0.000 χ^2/NDF : 1179801.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2/NDF : 3789801.6/30

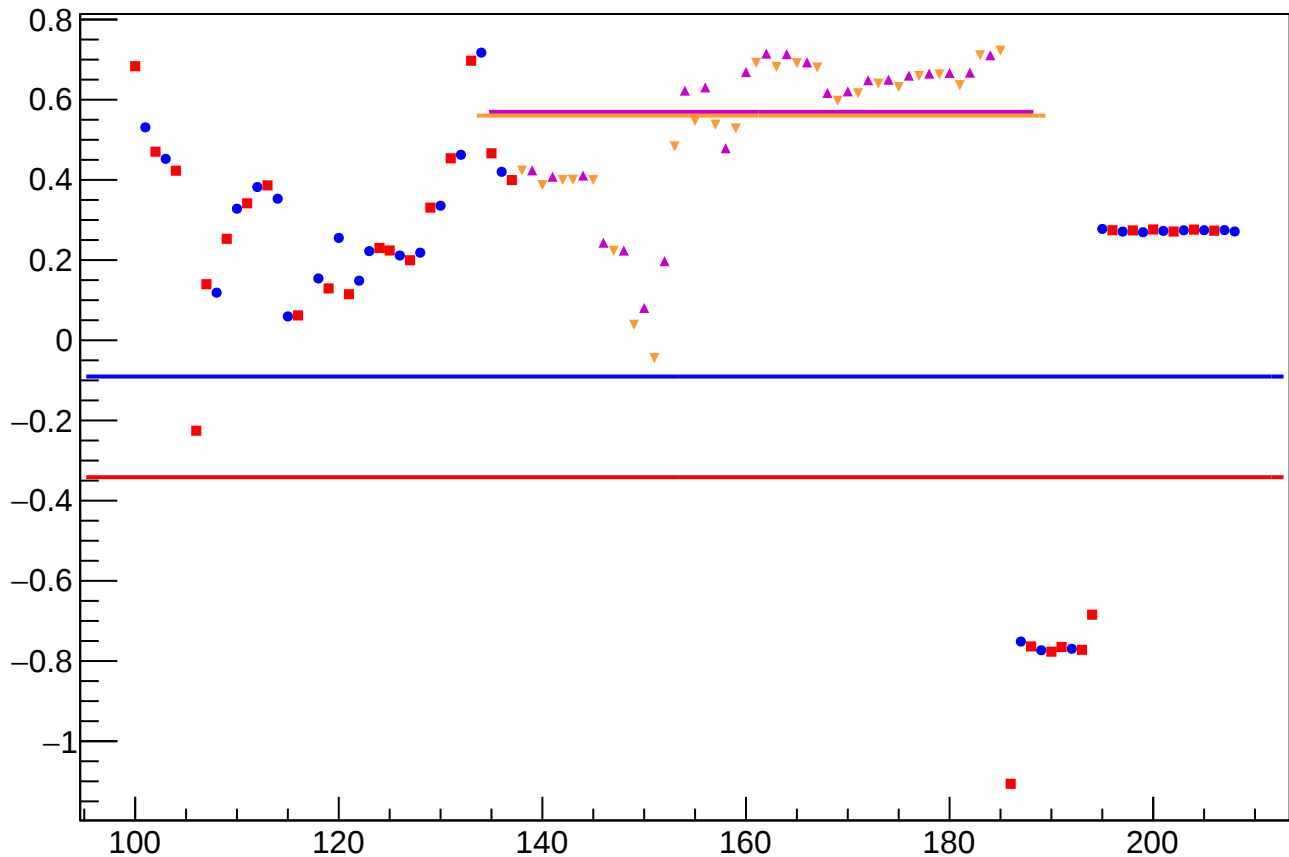
Left In: 0.004 $\pm$ 0.000 χ^2/NDF : 1288490.4/22

+ sign 0.004 $\pm$ 0.000 χ^2/NDF : 5964453.3/52

All: 0.004 $\pm$ 0.000 χ^2/NDF : 11420562.1/106

- sign 0.004 $\pm$ 0.000 χ^2/NDF : 5388020.2/53

yield_bpm0i07Y_mean vs Slug



Right In: -0.090+/-0.000 χ^2/NDF : 285517875558.9/27

Left Out: 0.560+/-0.000 χ^2/NDF : 45205806387.2/24

Right Out: -0.341+/-0.000 χ^2/NDF : 452868098043.7/30

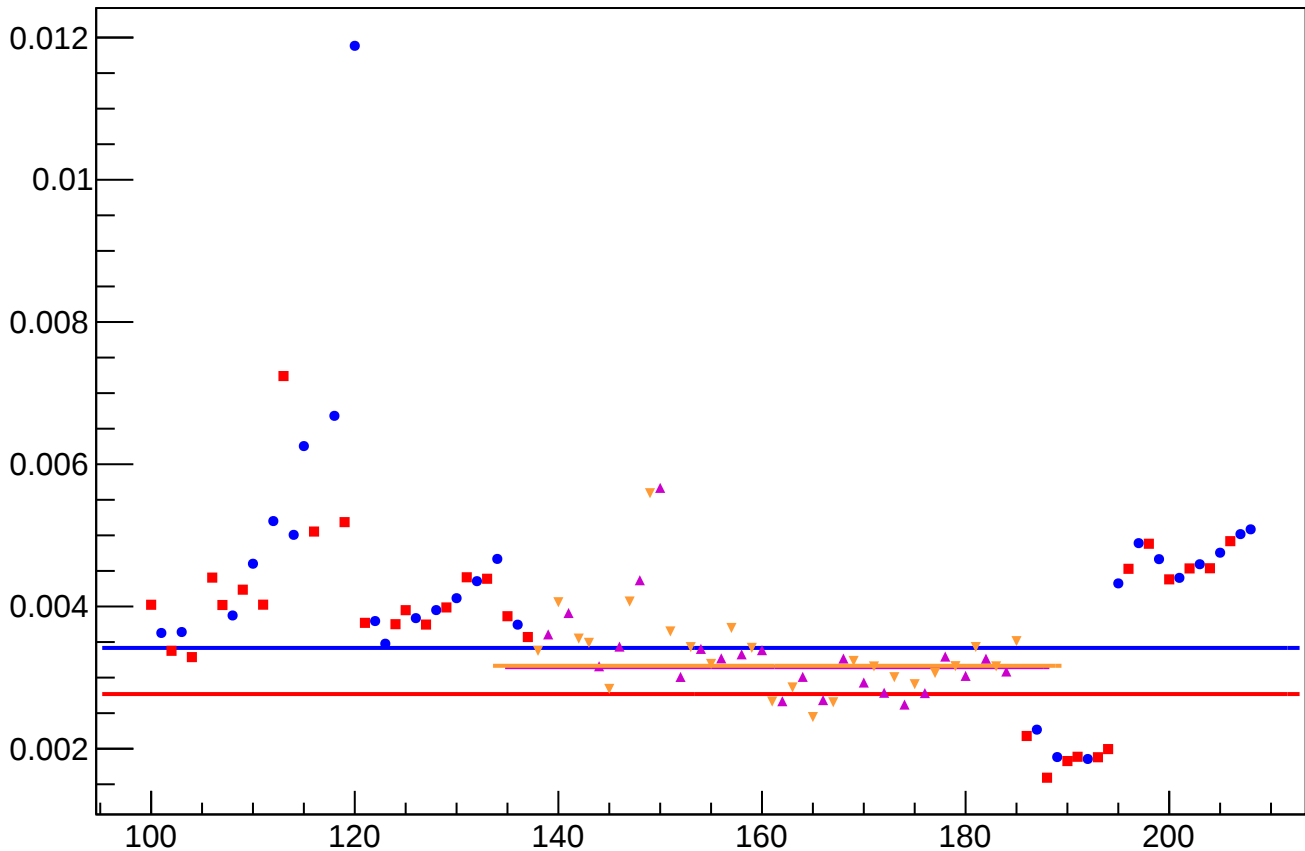
Left In: 0.570+/-0.000 χ^2/NDF : 42104067973.0/22

+ sign 0.311+/-0.000 χ^2/NDF : 593106582334.8/52

All: 0.209+/-0.000 χ^2/NDF : 1775447057889.

- sign 0.121+/-0.000 χ^2/NDF : 1131328365579.3/53

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 3424088.2/27

Left Out: 0.003+/-0.000 χ^2/NDF : 744886.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 4508033.4/30

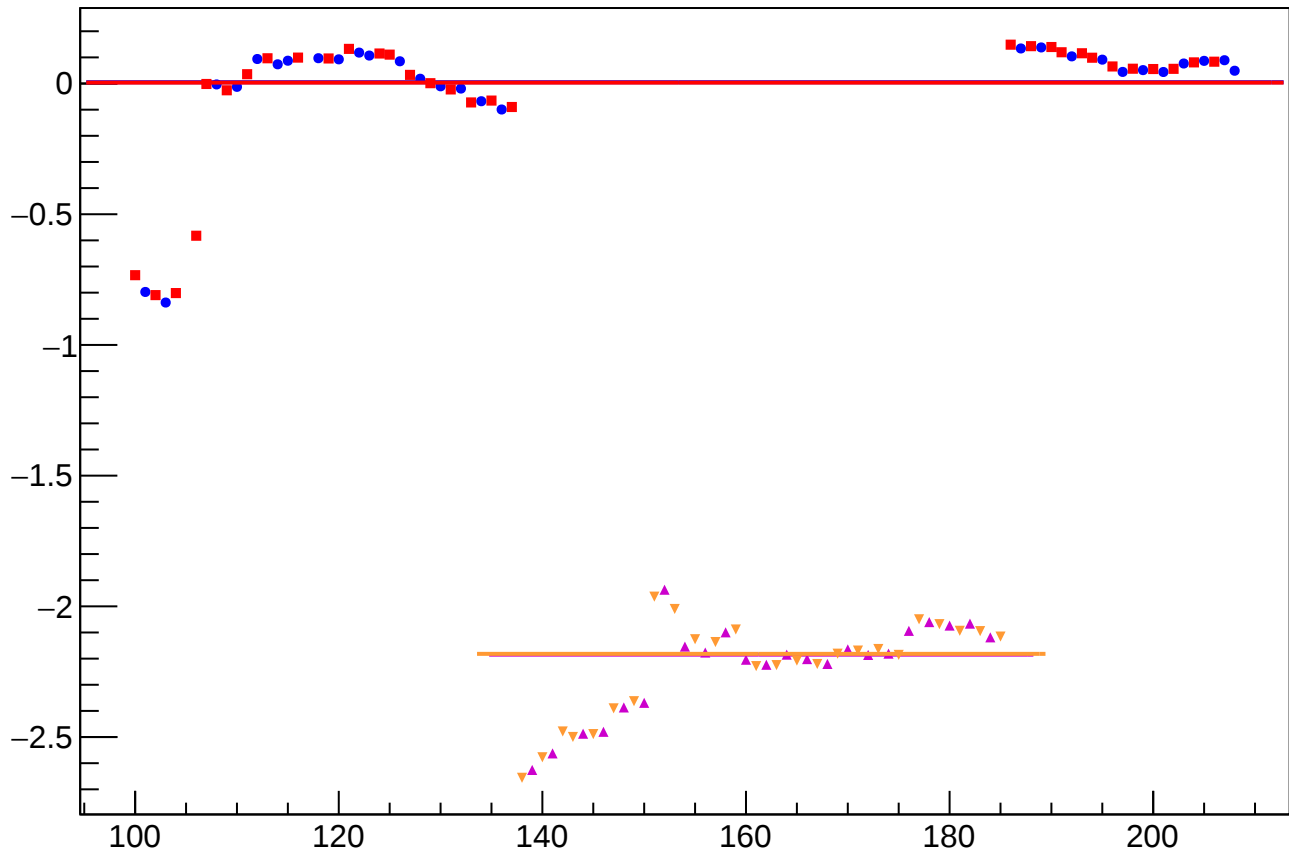
Left In: 0.003+/-0.000 χ^2/NDF : 716402.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 4247175.8/52

All: 0.003+/-0.000 χ^2/NDF : 9947734.3/106

- sign 0.003+/-0.000 χ^2/NDF : 5443202.3/53

yield_bpm1i02X_mean vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 5894125218.2/27

Left Out: -2.182+/-0.000 χ^2/NDF : 4008829567.0/24

Right Out: 0.004+/-0.000 χ^2/NDF : 6953879443.2/30

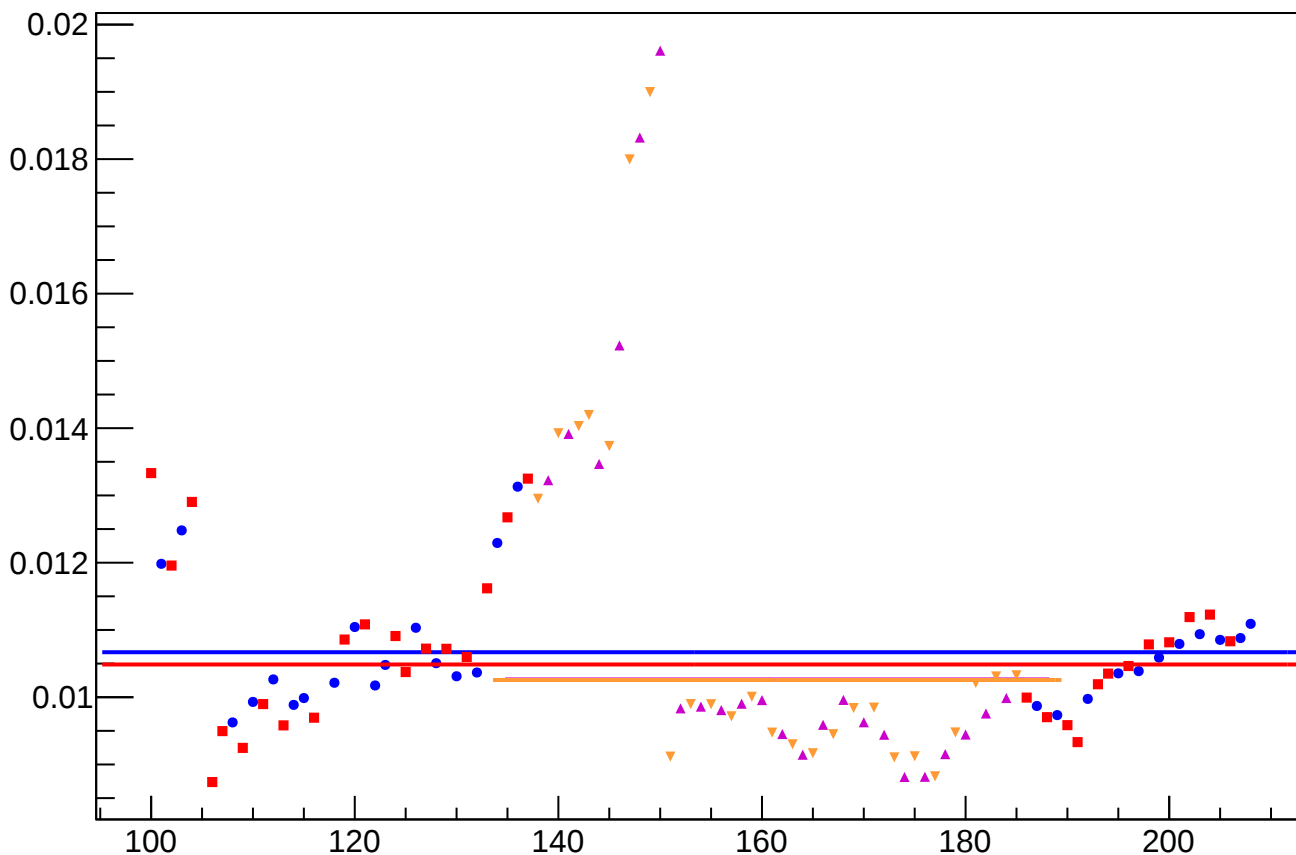
Left In: -2.185+/-0.000 χ^2/NDF : 3372742534.3/22

+ sign -1.245+/-0.000 χ^2/NDF : 353551906495.8/52

All: -1.208+/-0.000 χ^2/NDF : 713966288238.2

- sign -1.171+/-0.000 χ^2/NDF : 359604471930.0/53

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 153779.9/27

Left Out: 0.010+/-0.000 χ^2/NDF :1270617.6/24

Right Out: 0.010+/-0.000 χ^2/NDF : 223320.3/30

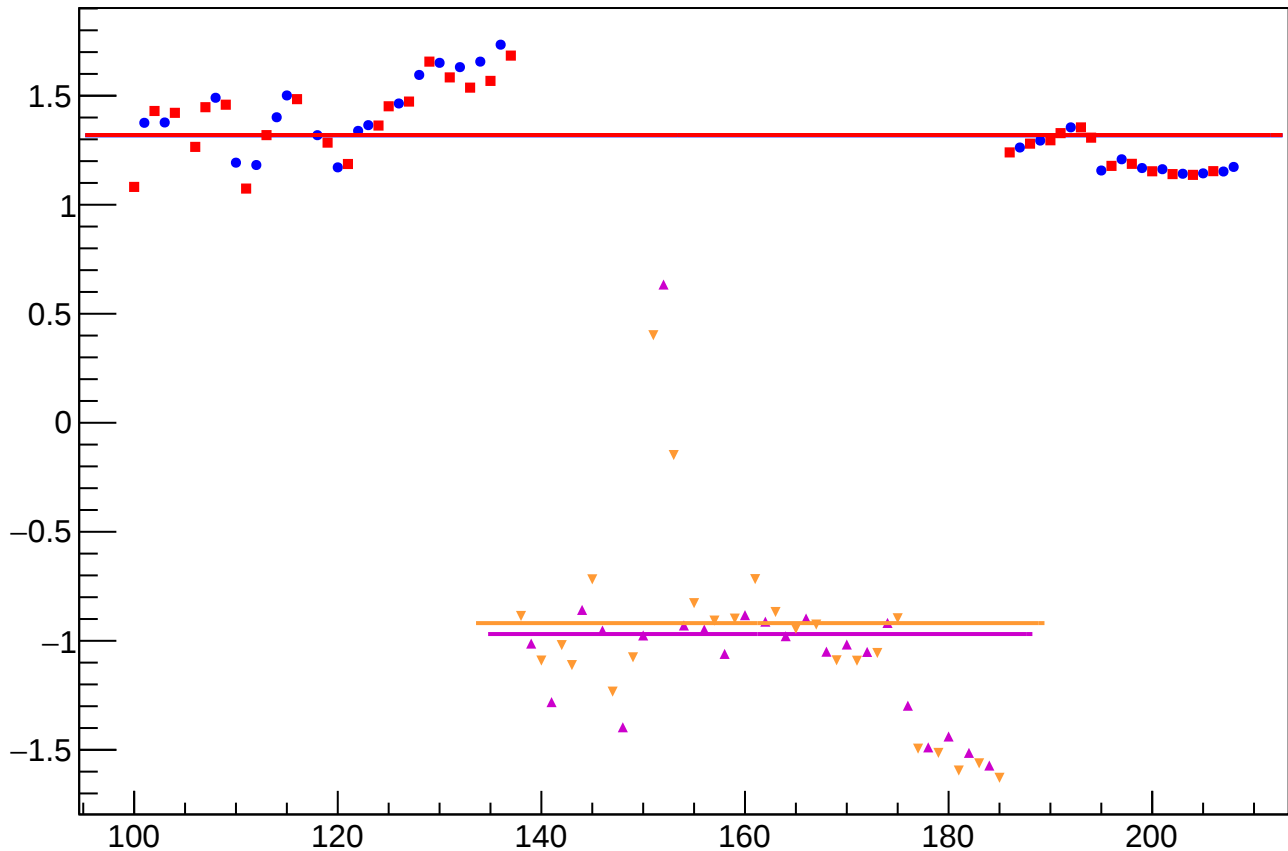
Left In: 0.010+/-0.000 χ^2/NDF :1340264.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 1448922.1/52

All: 0.010+/-0.000 χ^2/NDF : 3020976.6/106

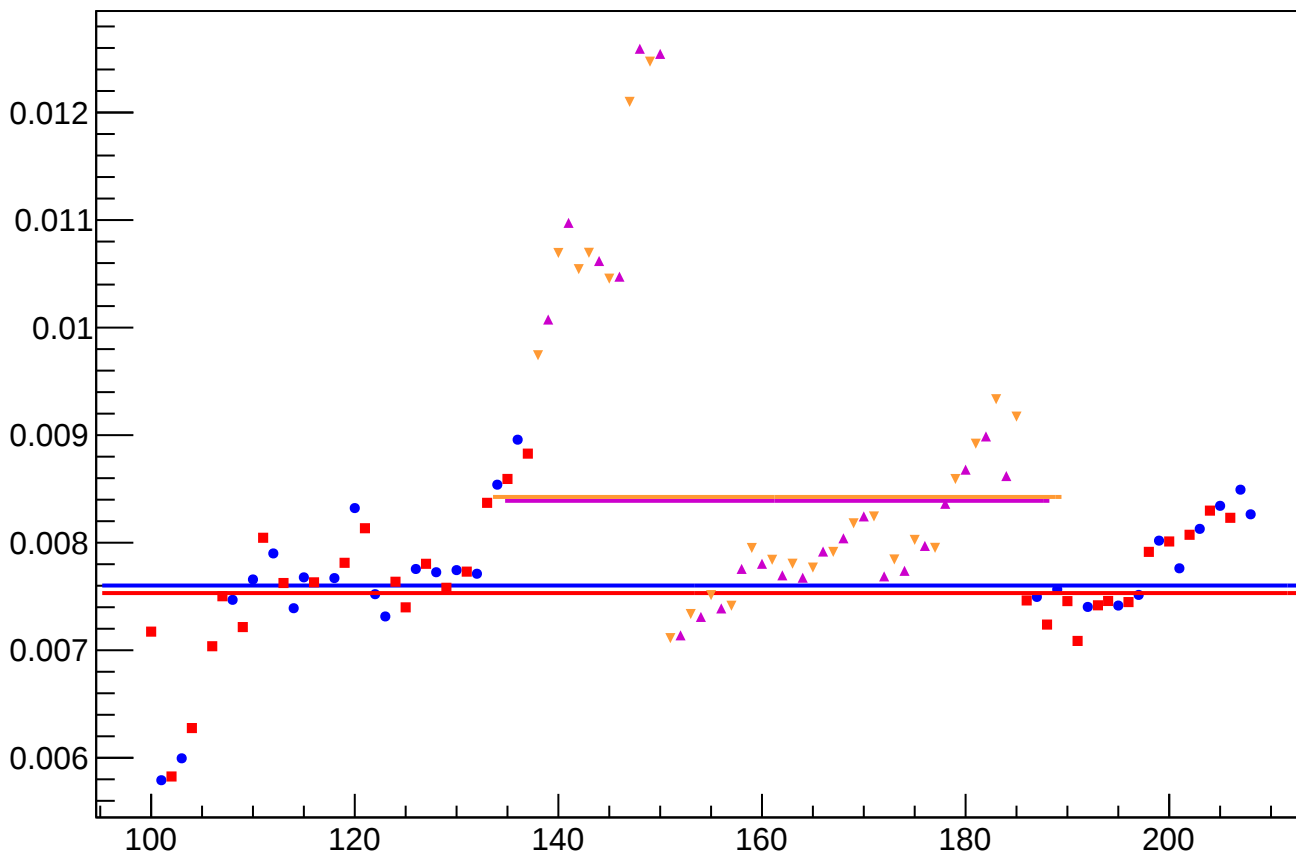
- sign 0.010+/-0.000 χ^2/NDF : 1570793.3/53

yield_bpm1i02Y_mean vs Slug



Right In: 1.318 $\pm$ 0.000	χ^2 /NDF: 7640841365.1/27	+ sign 0.186 $\pm$ 0.000	χ^2 /NDF: 686558572129.3/52
Left Out: -0.919 $\pm$ 0.000	χ^2 /NDF: 55622252895.8/24	All: 0.208 $\pm$ 0.000	χ^2 /NDF: 1405070490739.
Right Out: 1.320 $\pm$ 0.000	χ^2 /NDF: 5801417115.6/30	- sign 0.230 $\pm$ 0.000	χ^2 /NDF: 718023515540.0/53
Left In: -0.969 $\pm$ 0.000	χ^2 /NDF: 54895002535.8/22		

yield_bpm1i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 297408.7/27

Left Out: 0.008+/-0.000 χ^2/NDF : 792337.0/24

Right Out: 0.008+/-0.000 χ^2/NDF : 224744.9/30

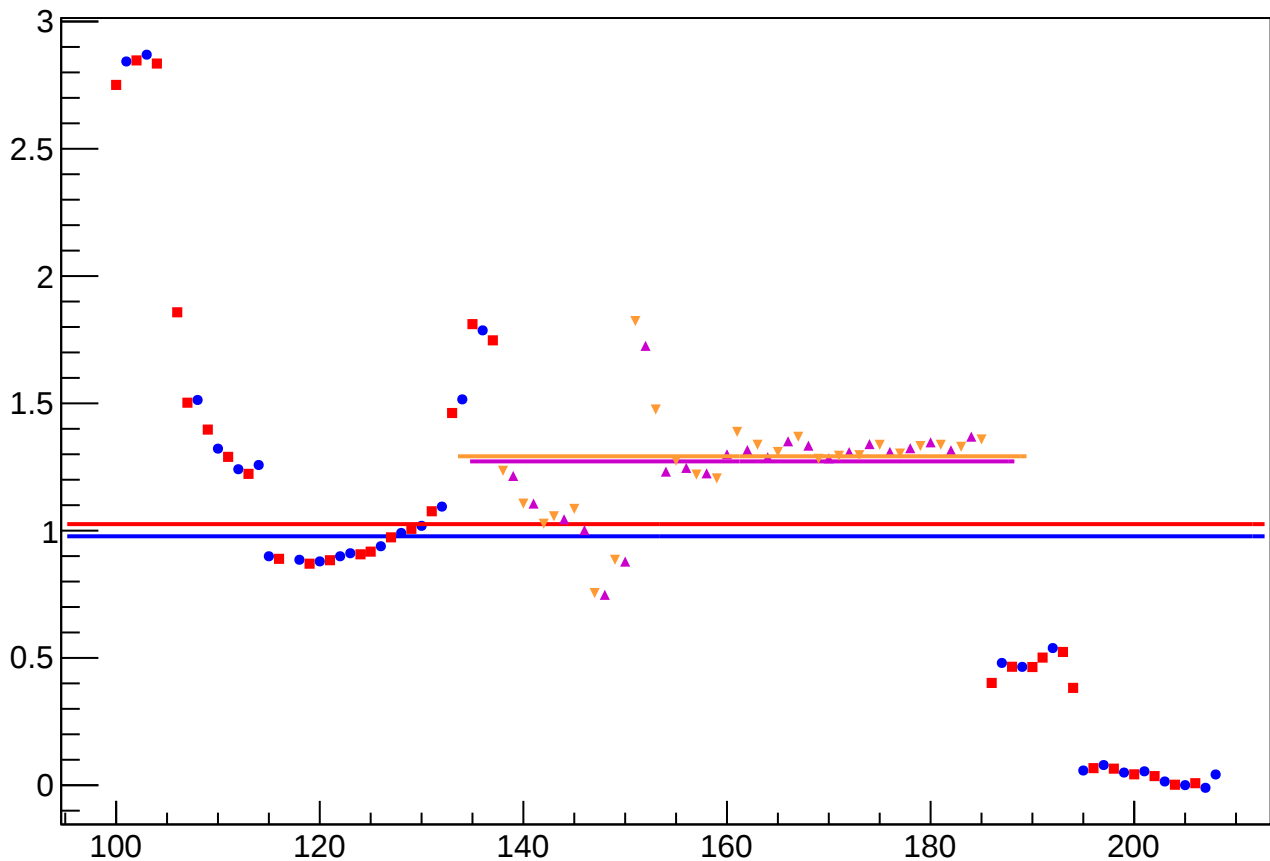
Left In: 0.008+/-0.000 χ^2/NDF : 839880.4/22

+ sign 0.008+/-0.000 χ^2/NDF : 1258760.6/52

All: 0.008+/-0.000 χ^2/NDF : 2511170.5/106

- sign 0.008+/-0.000 χ^2/NDF : 1249312.4/53

yield_bpm1i04X_mean vs Slug



Right In: 0.978 $\pm$ 0.000 χ^2 /NDF: 126187796810.6/27

Left Out: 1.292 $\pm$ 0.000 χ^2 /NDF: 9305298695.5/24

Right Out: 1.026 $\pm$ 0.000 χ^2 /NDF: 117960675988.9/30

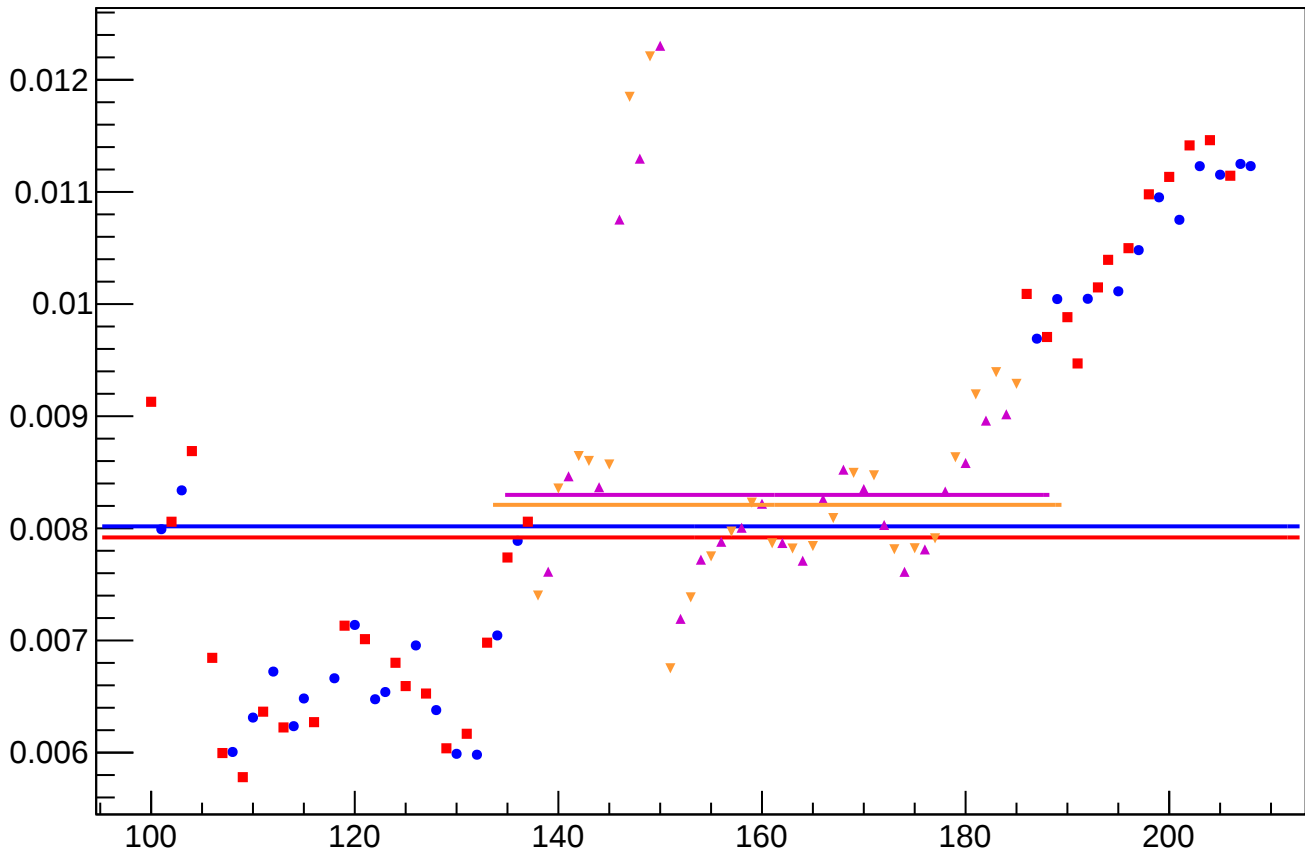
Left In: 1.272 $\pm$ 0.000 χ^2 /NDF: 7573930981.2/22

+ sign 1.152 $\pm$ 0.000 χ^2 /NDF: 147071522731.7/52

All: 1.153 $\pm$ 0.000 χ^2 /NDF: 279735024377.3

- sign 1.153 $\pm$ 0.000 χ^2 /NDF: 132663132906.3/53

yield_bpm1i04X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 1592051.4/27

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:478864.9/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 1691699.6/30

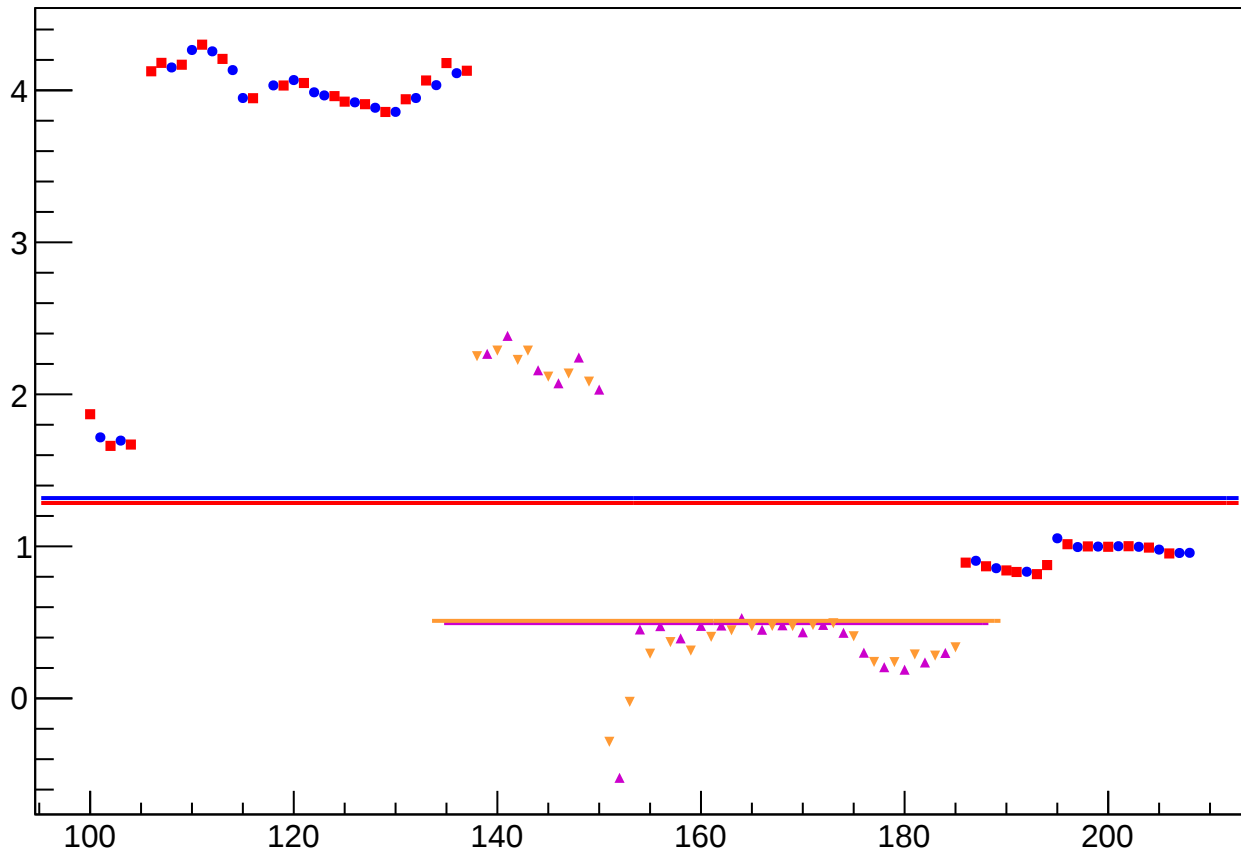
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:462022.1/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2079547.5/52

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 4267102.6/106

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2187519.9/53

yield_bpm1i04Y_mean vs Slug



Right In: 1.318 $\pm$ 0.000 χ^2 /NDF: 1487026980578.5/27

Left Out: 0.510 $\pm$ 0.000 χ^2 /NDF: 274818814912.4/24

Right Out: 1.285 $\pm$ 0.000 χ^2 /NDF: 1683971163203.7/30

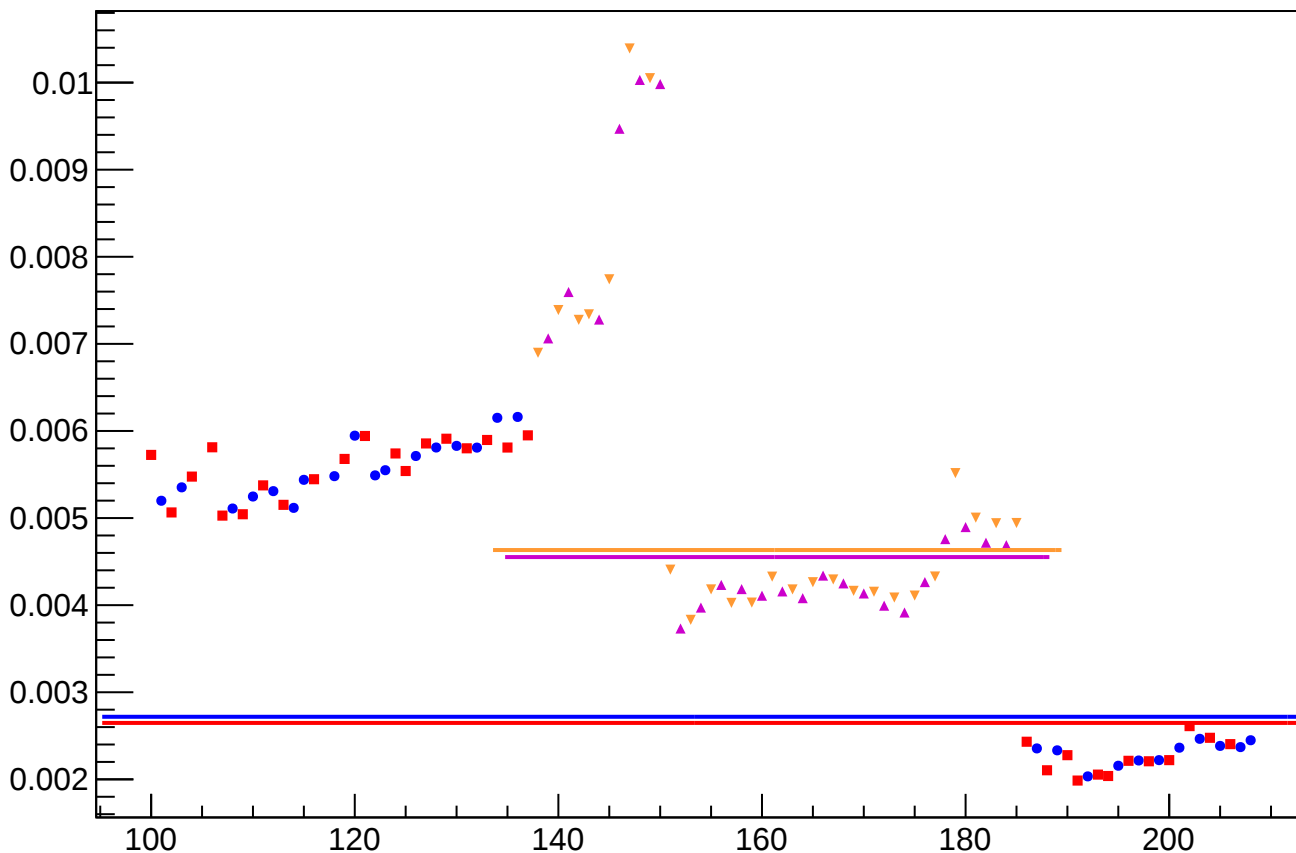
Left In: 0.495 $\pm$ 0.000 χ^2 /NDF: 268863202792.4/22

+ sign 1.053 $\pm$ 0.000 χ^2 /NDF: 2102617779508.3/52

All: 1.049 $\pm$ 0.000 χ^2 /NDF: 4385488949736.

- sign 1.046 $\pm$ 0.000 χ^2 /NDF: 2282807149053.6/53

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 4129693.4/27

Left Out: 0.005+/-0.000 χ^2/NDF : 2114007.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 4438535.5/30

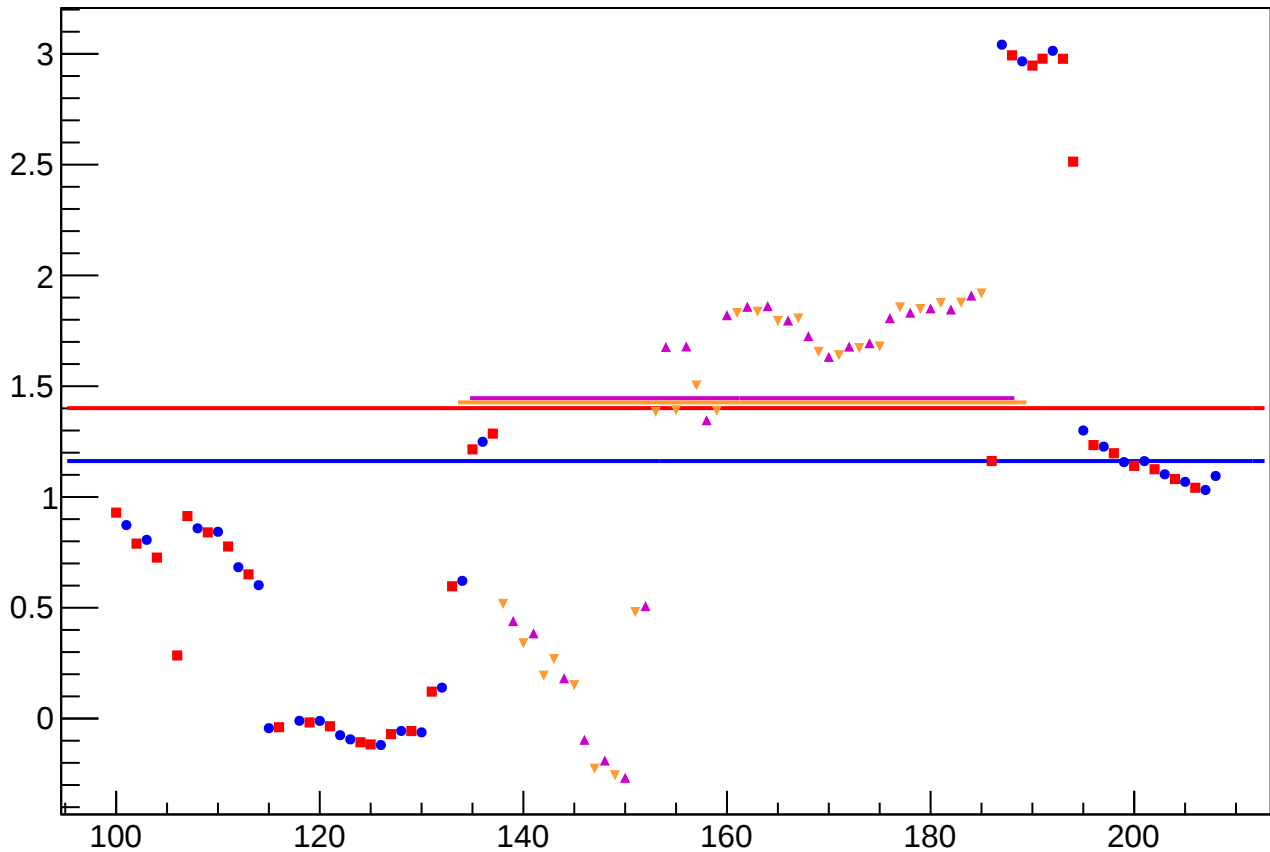
Left In: 0.005+/-0.000 χ^2/NDF : 2237666.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 10072859.8/52

All: 0.003+/-0.000 χ^2/NDF : 20616448.5/106

- sign 0.003+/-0.000 χ^2/NDF : 10508090.0/53

yield_bpm1i06X_mean vs Slug



Right In: 1.162 $\pm$ 0.000 χ^2 /NDF: 72794159230.0/27

Left Out: 1.427 $\pm$ 0.000 χ^2 /NDF: 49990787038.3/24

+ sign 1.329 $\pm$ 0.000 χ^2 /NDF: 126476655364.7/52

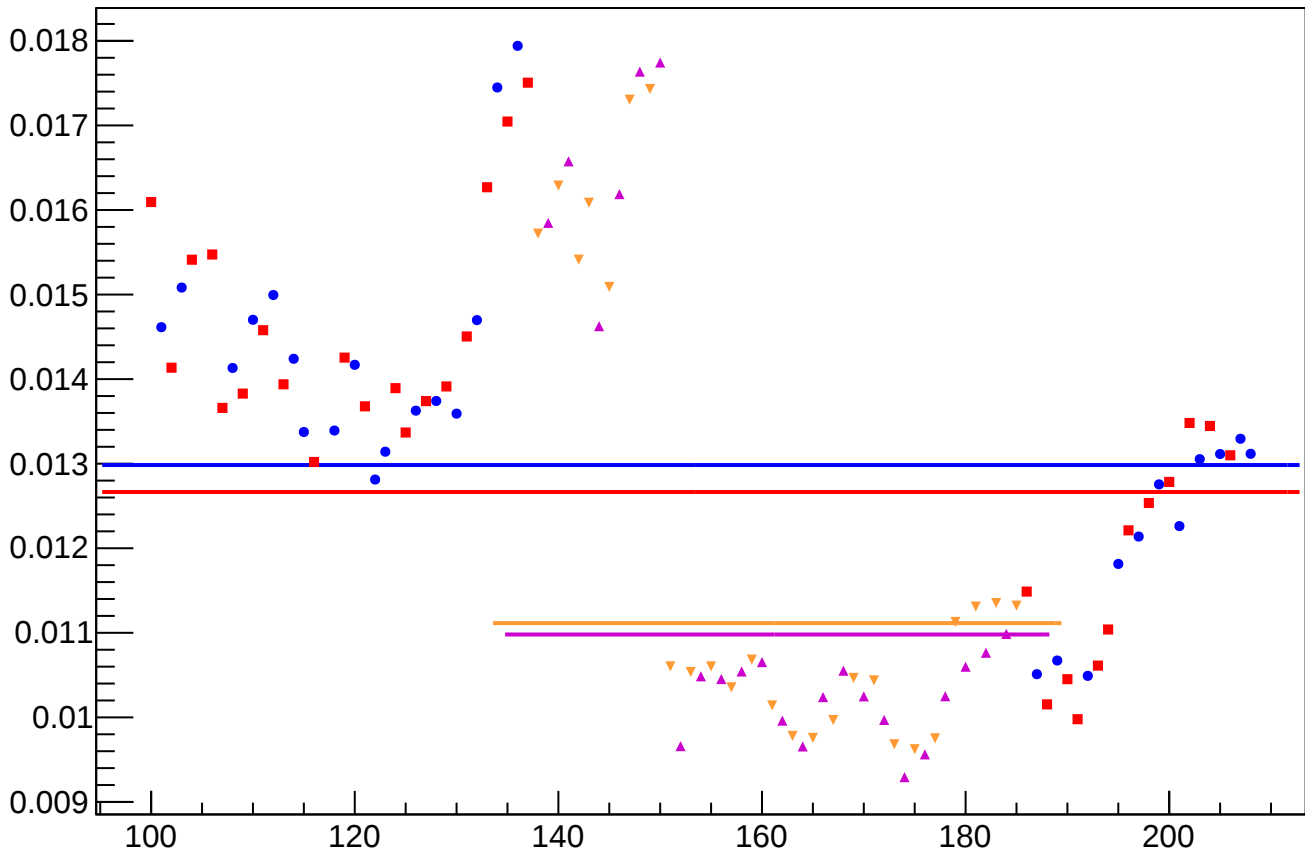
Right Out: 1.401 $\pm$ 0.000 χ^2 /NDF: 100090758171.1/30

All: 1.379 $\pm$ 0.000 χ^2 /NDF: 281548846643.9

Left In: 1.446 $\pm$ 0.000 χ^2 /NDF: 53752493130.3/22

- sign 1.428 $\pm$ 0.000 χ^2 /NDF: 153954343728.6/53

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 436163.1/27

Left Out: 0.011+/-0.000 χ^2/NDF :1227493.2/24

Right Out: 0.013+/-0.000 χ^2/NDF : 560512.1/30

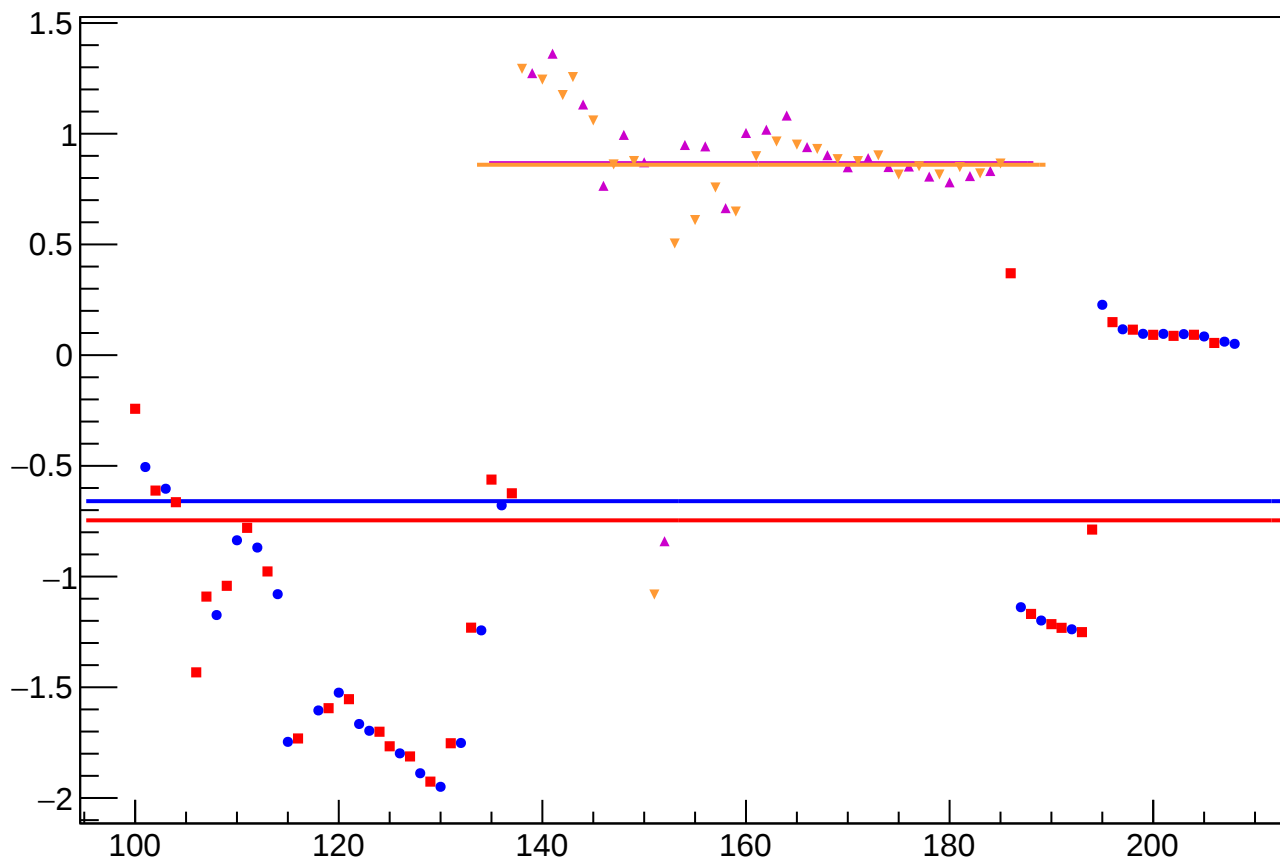
Left In: 0.011+/-0.000 χ^2/NDF :1264827.0/22

+ sign 0.012+/-0.000 χ^2/NDF : 2031597.6/52

All: 0.012+/-0.000 χ^2/NDF : 4173256.9/106

- sign 0.012+/-0.000 χ^2/NDF : 2136210.0/53

yield_bpm1i06Y_mean vs Slug



Right In: -0.659+/-0.000 χ^2/NDF : 177685317968.8/27

Left Out: 0.860+/-0.000 χ^2/NDF : 126335891175.4/24

Right Out: -0.746+/-0.000 χ^2/NDF : 156567645063.5/30

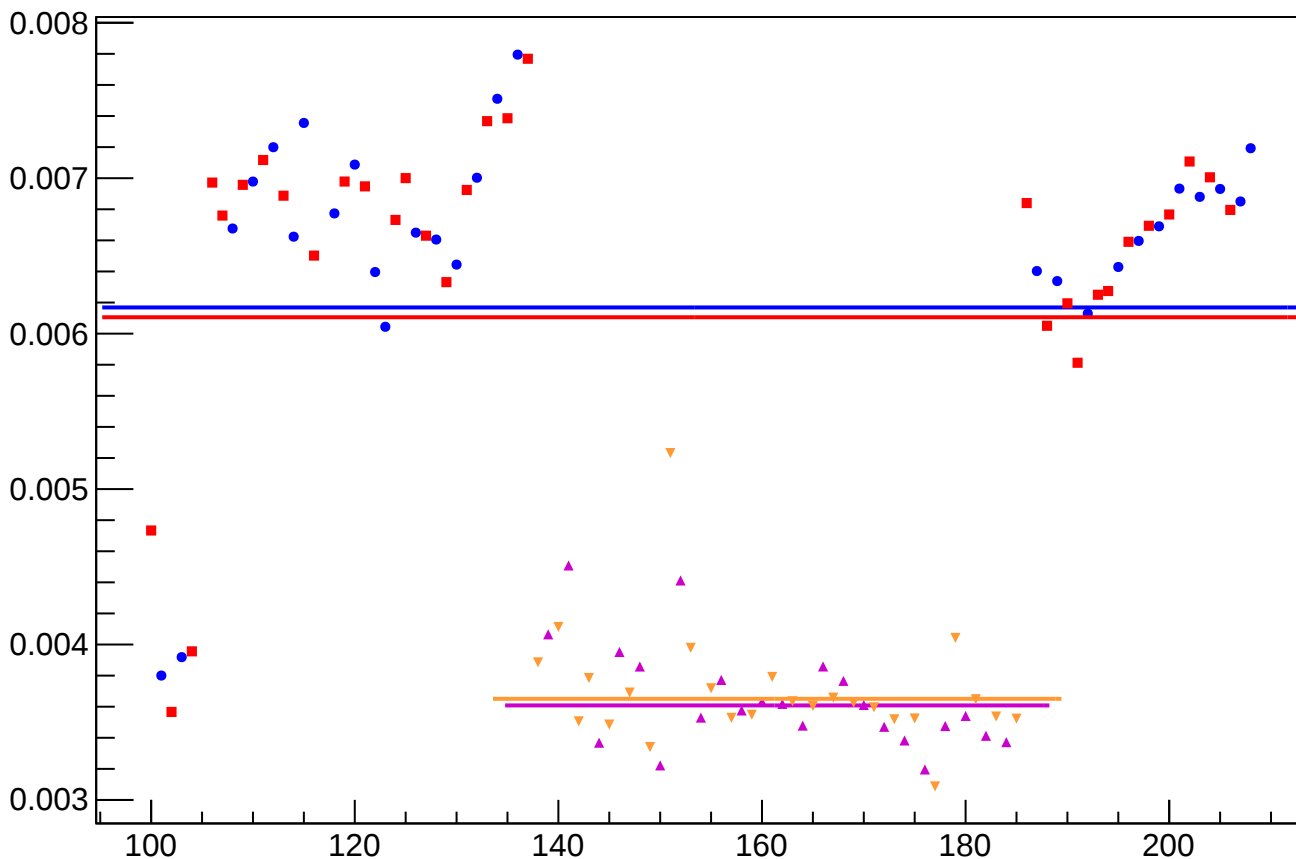
Left In: 0.867+/-0.000 χ^2/NDF : 147039402944.6/22

+ sign 0.529+/-0.000 χ^2/NDF : 933529120569.4/52

All: 0.509+/-0.000 χ^2/NDF : 1976112374149.

- sign 0.488+/-0.000 χ^2/NDF : 1041250908826.4/53

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 1023551.3/27

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:237262.6/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 1088818.2/30

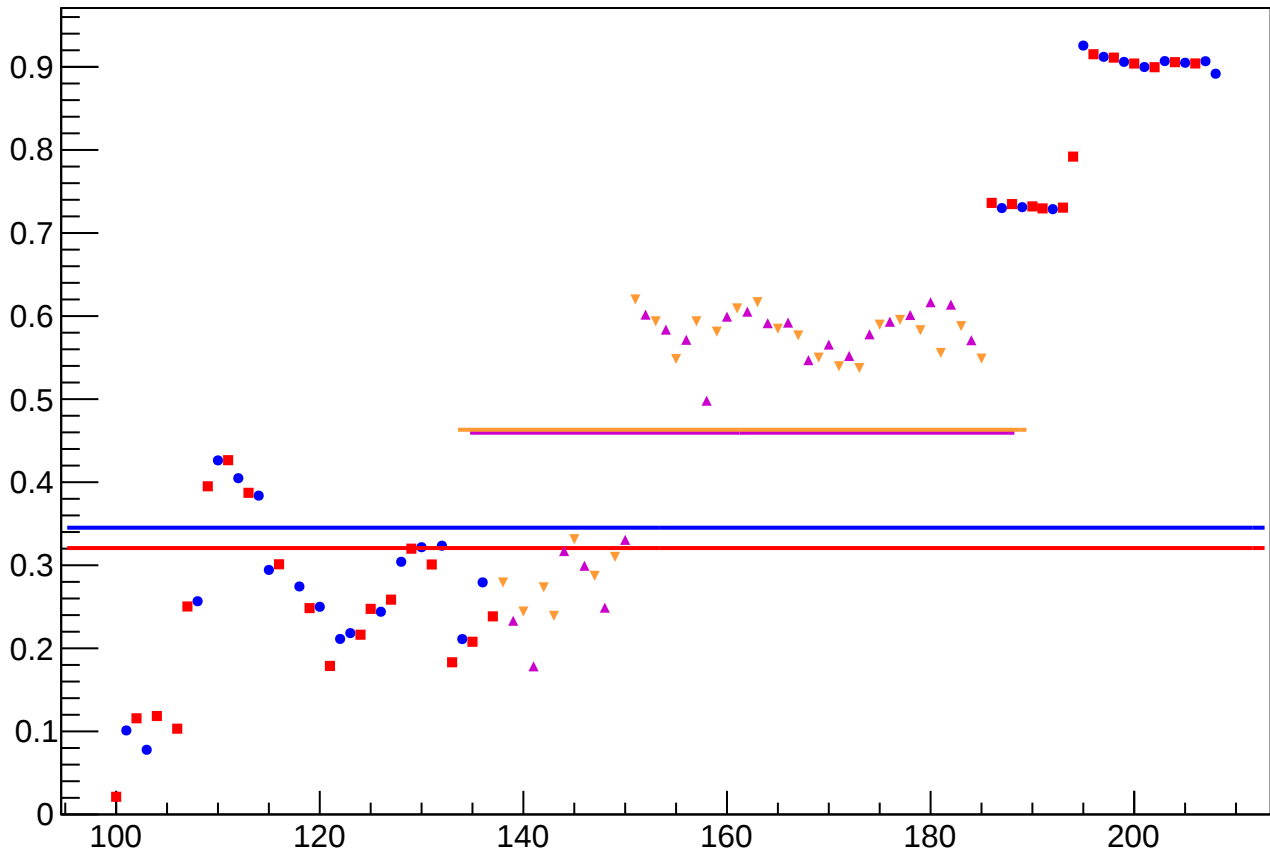
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:227861.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 4718097.8/52

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 9570098.9/106

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 4851974.9/53

yield_bpm2i01X_mean vs Slug



Right In: 0.345+/-0.000 χ^2/NDF : 157307458986.8/27

Left Out: 0.463+/-0.000 χ^2/NDF : 102506270538.7/24

Right Out: 0.321+/-0.000 χ^2/NDF : 163148228291.5/30

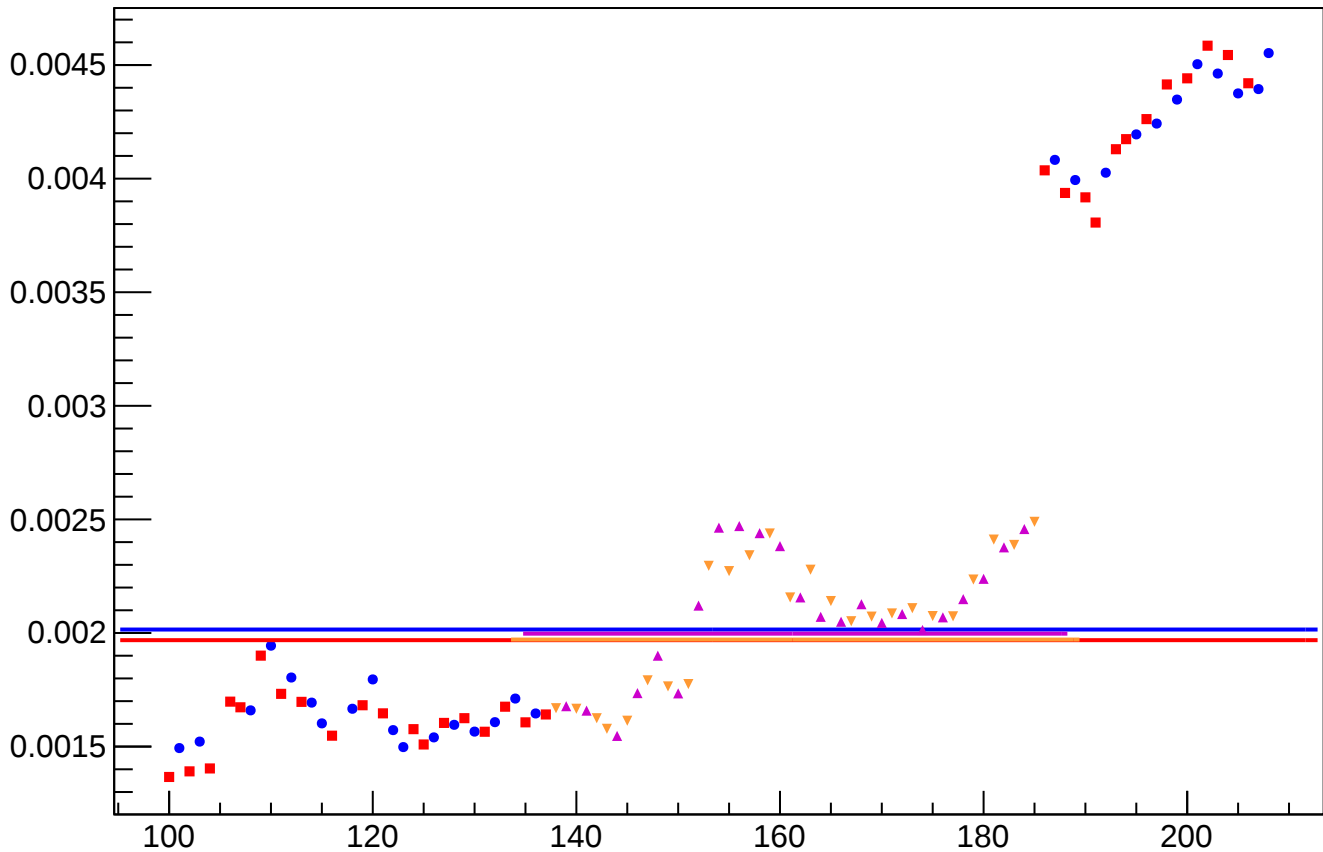
Left In: 0.460+/-0.000 χ^2/NDF : 104559088628.4/22

+ sign 0.418+/-0.000 χ^2/NDF : 284297539631.4/52

All: 0.409+/-0.000 χ^2/NDF : 587973115042.8

- sign 0.400+/-0.000 χ^2/NDF : 302477199170.3/53

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 5165046.5/27

Left Out: 0.002+/-0.000 χ^2/NDF : 730203.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 5448723.4/30

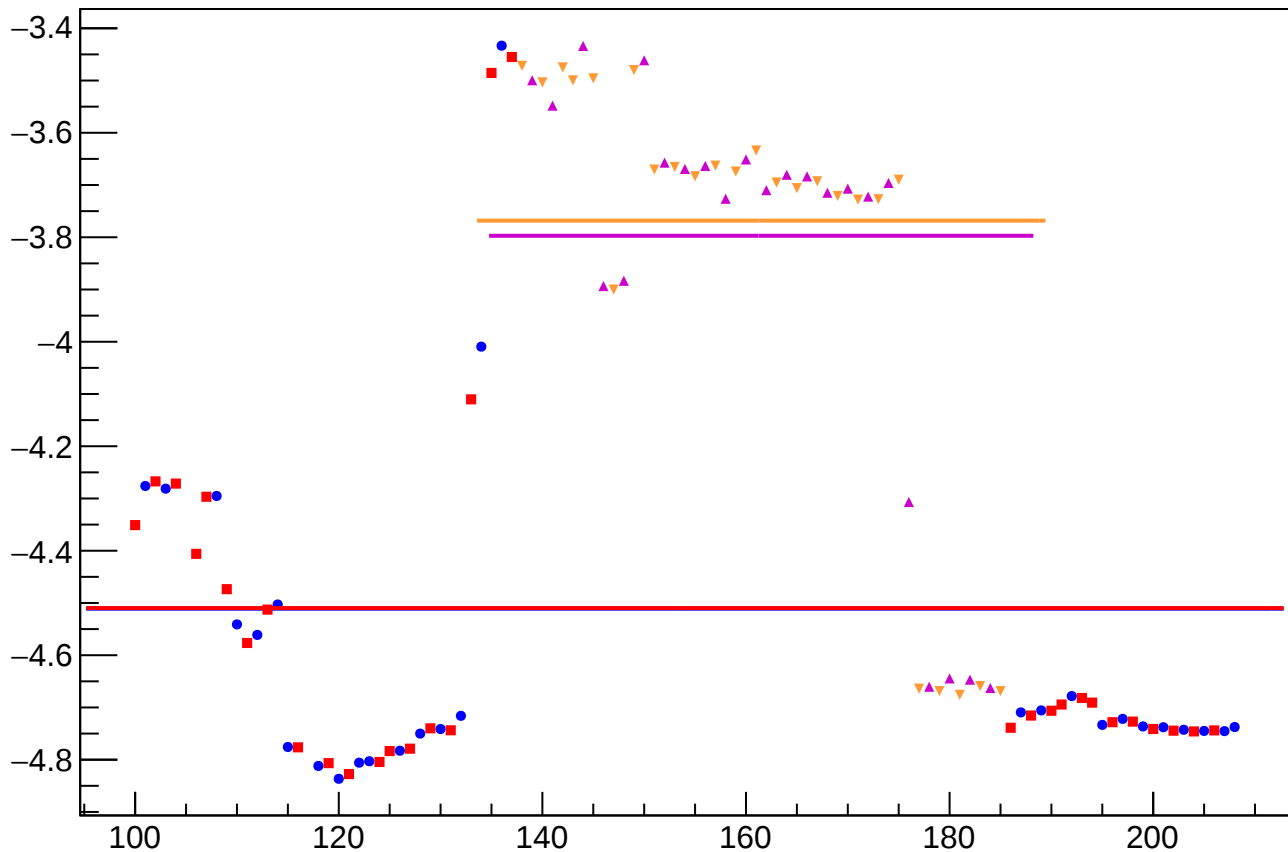
Left In: 0.002+/-0.000 χ^2/NDF : 666404.2/22

+ sign 0.002+/-0.000 χ^2/NDF : 5902110.5/52

All: 0.002+/-0.000 χ^2/NDF : 12020274.4/106

- sign 0.002+/-0.000 χ^2/NDF : 6118088.7/53

yield_bpm2i01Y_mean vs Slug



Right In: -4.511+/-0.000 χ^2/NDF : 436061110773.3/27

Left Out: -3.768+/-0.000 χ^2/NDF : 516780173940.8/24

Right Out: -4.510+/-0.000 χ^2/NDF : 370111469083.7/30

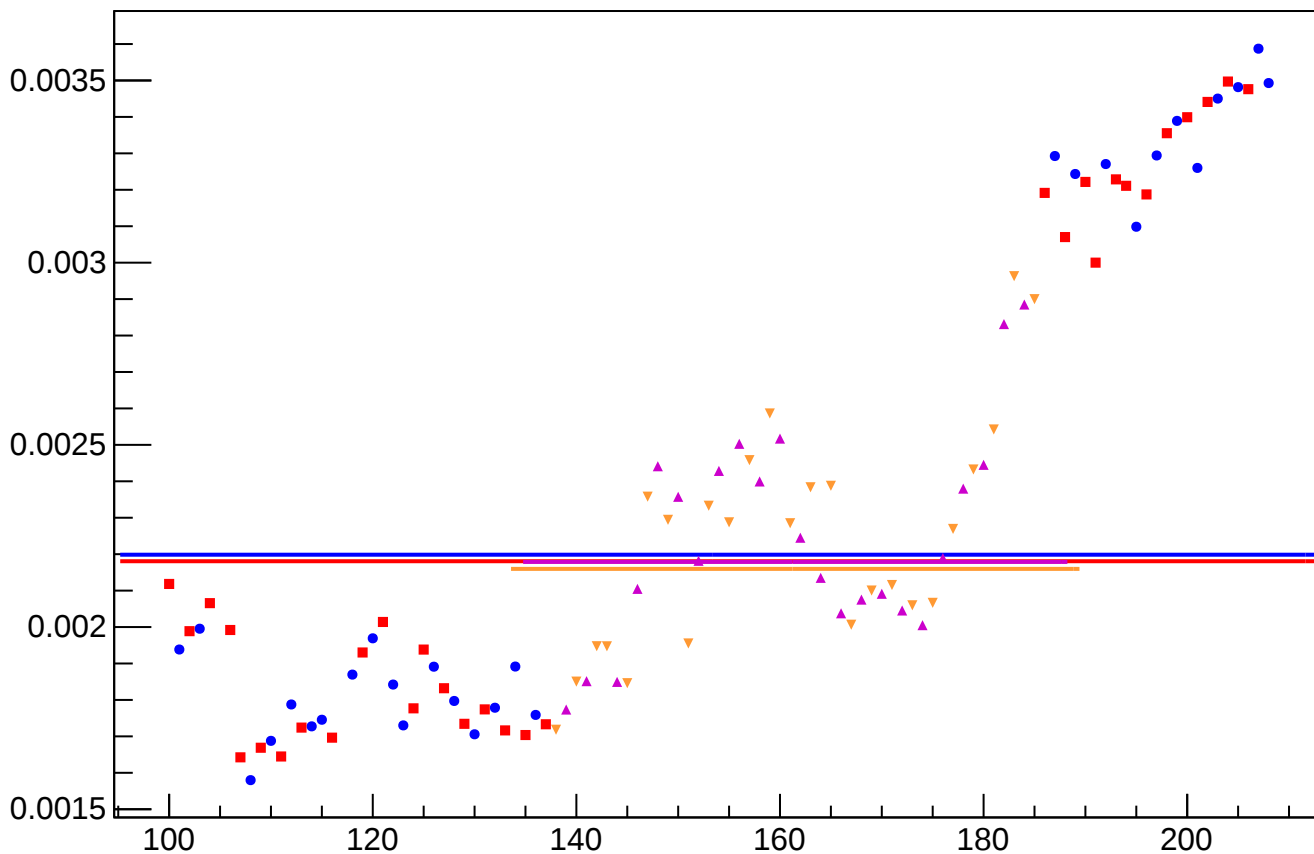
Left In: -3.797+/-0.000 χ^2/NDF : 444886272608.9/22

+ sign -4.075+/-0.000 χ^2/NDF : 1820671229412.4/5

All: -4.095+/-0.000 χ^2/NDF : 3445683182822

- sign -4.115+/-0.000 χ^2/NDF : 1619705502804.6/5

yield_bpm2i01Y_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2499025.7/27

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:547831.5/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 2524687.9/30

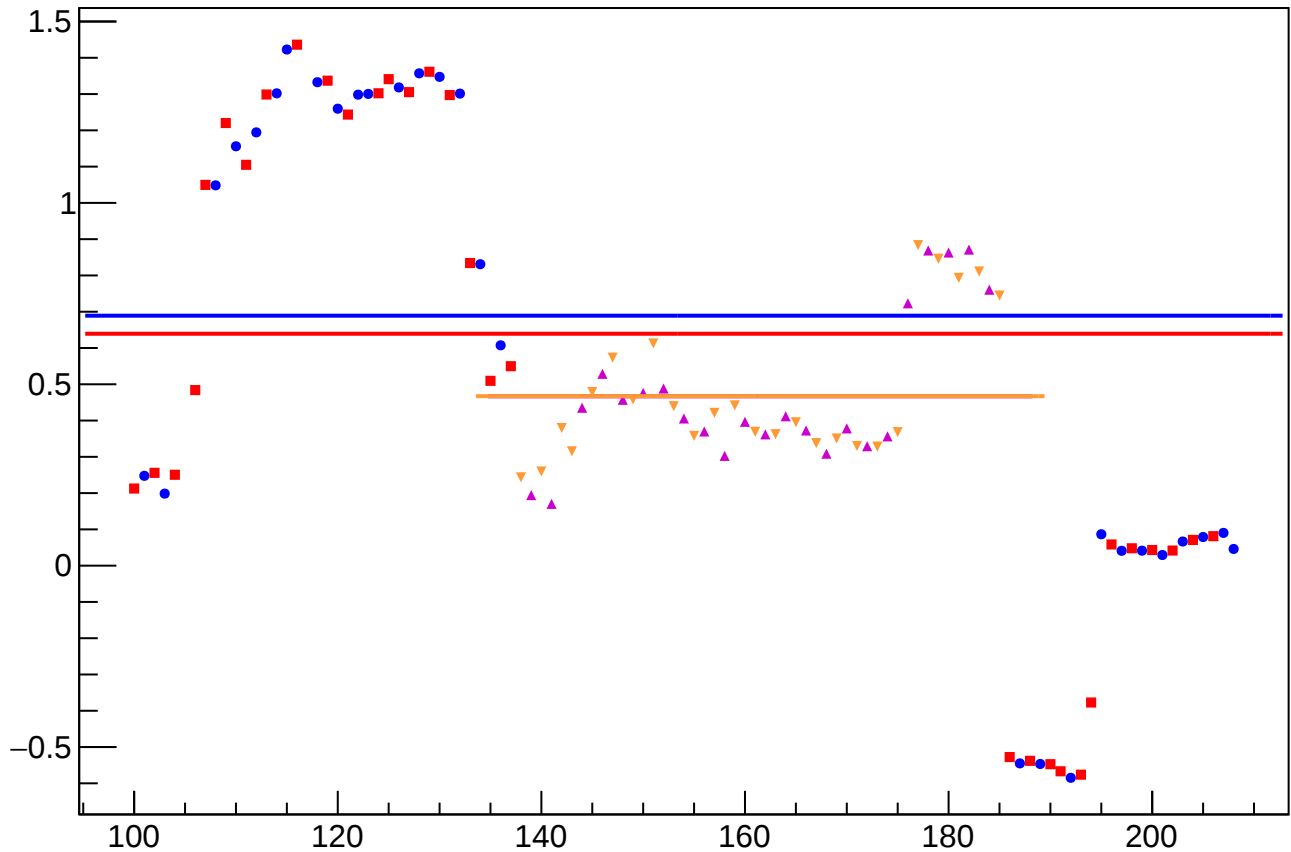
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:463279.7/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3051617.5/52

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6039694.1/106

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2987979.2/53

yield_bpm2i02X_mean vs Slug



Right In: 0.689 $\pm$ 0.000 χ^2 /NDF: 77190225365.5/27

Left Out: 0.467 $\pm$ 0.000 χ^2 /NDF: 7359344143.3/24

Right Out: 0.639 $\pm$ 0.000 χ^2 /NDF: 95846651044.8/30

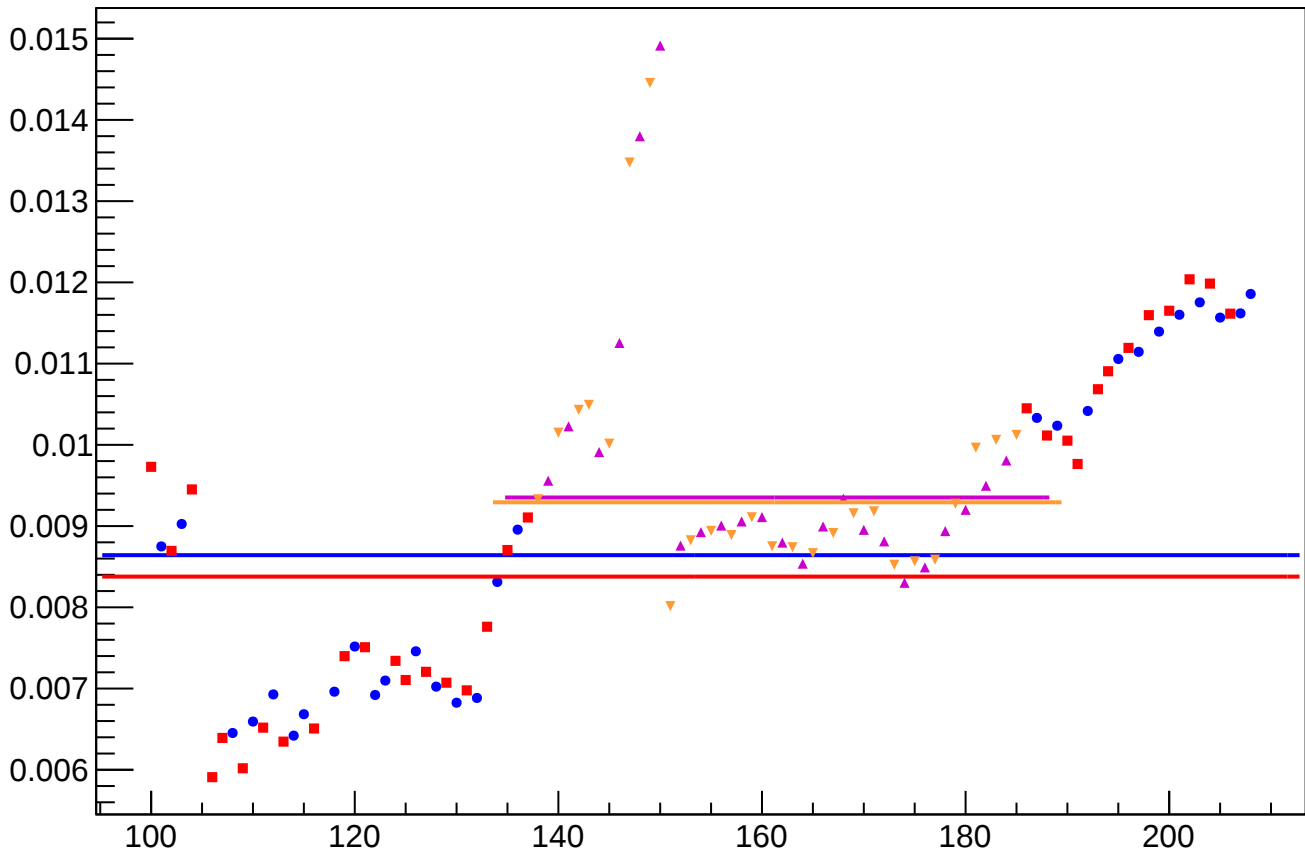
Left In: 0.467 $\pm$ 0.000 χ^2 /NDF: 8036741308.0/22

+ sign 0.571 $\pm$ 0.000 χ^2 /NDF: 89353553793.0/52

All: 0.563 $\pm$ 0.000 χ^2 /NDF: 196237314244.3

- sign 0.555 $\pm$ 0.000 χ^2 /NDF: 106833473140.4/53

yield_bpm2i02X_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 1433207.8/27

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:528279.5/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 1686297.9/30

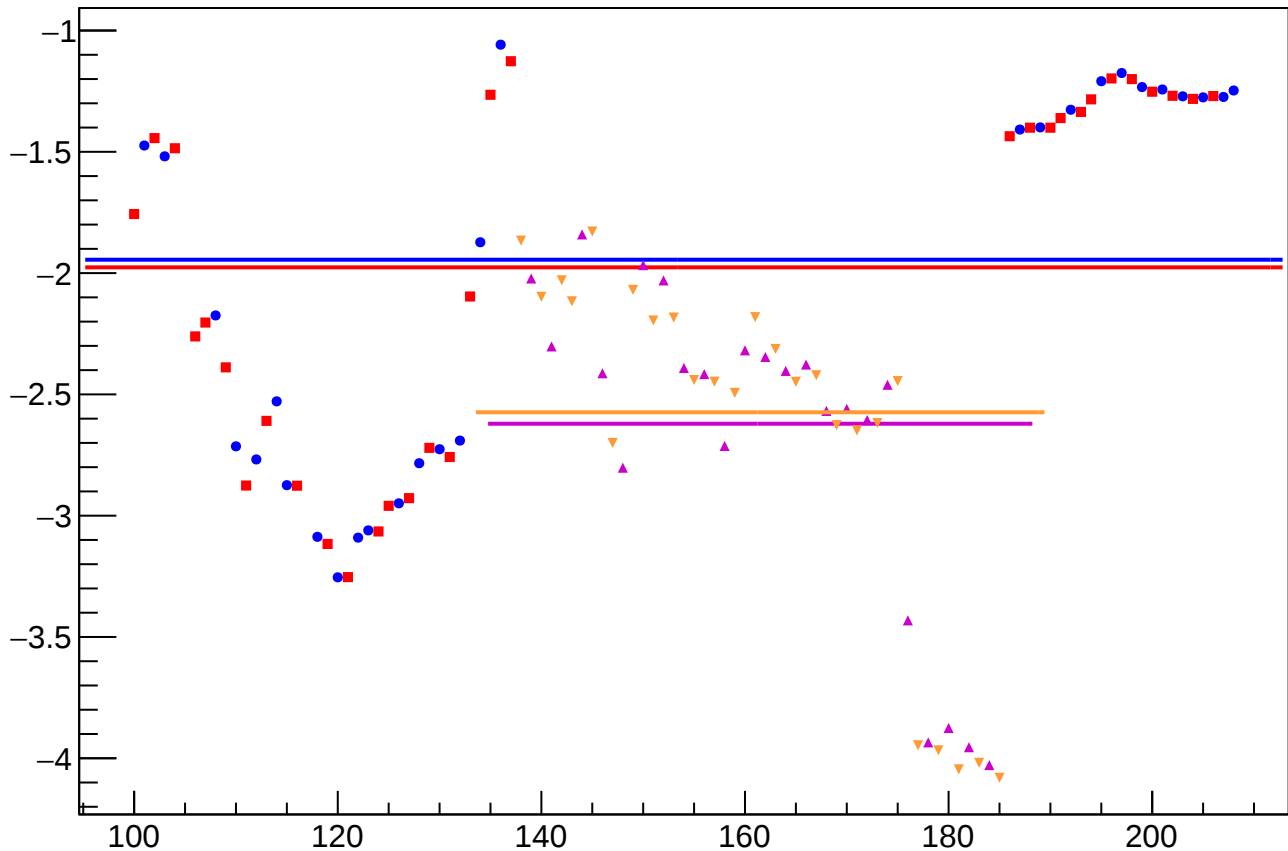
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:557555.2/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2044187.1/52

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 4483140.7/106

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2431880.9/53

yield_bpm2i02Y_mean vs Slug



Right In: -1.945 ± 0.000 $\chi^2/\text{NDF}: 126717272423.7/27$

Left Out: -2.574 ± 0.000 $\chi^2/\text{NDF}: 99176112704.9/24$

Right Out: -1.976 ± 0.000 $\chi^2/\text{NDF}: 121622901333.7/30$

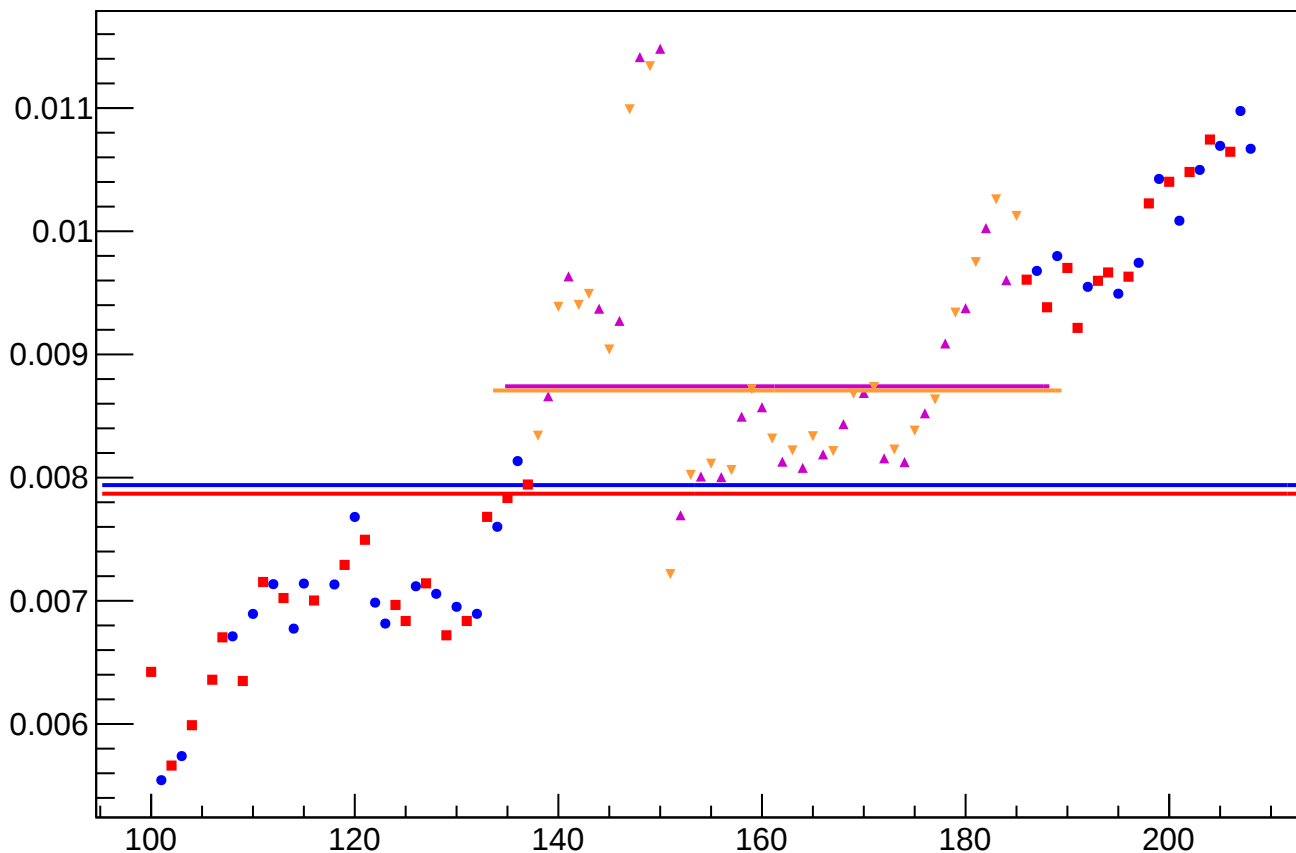
Left In: -2.621 ± 0.000 $\chi^2/\text{NDF}: 80862402796.4/22$

+ sign -2.274 ± 0.000 $\chi^2/\text{NDF}: 271096799624.4/52$

All: -2.283 ± 0.000 $\chi^2/\text{NDF}: 521242533997.5$

- sign -2.292 ± 0.000 $\chi^2/\text{NDF}: 250071732732.4/53$

yield_bpm2i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1306909.5/27

Left Out: 0.009+/-0.000 χ^2/NDF :369376.5/24

Right Out: 0.008+/-0.000 χ^2/NDF : 1233184.9/30

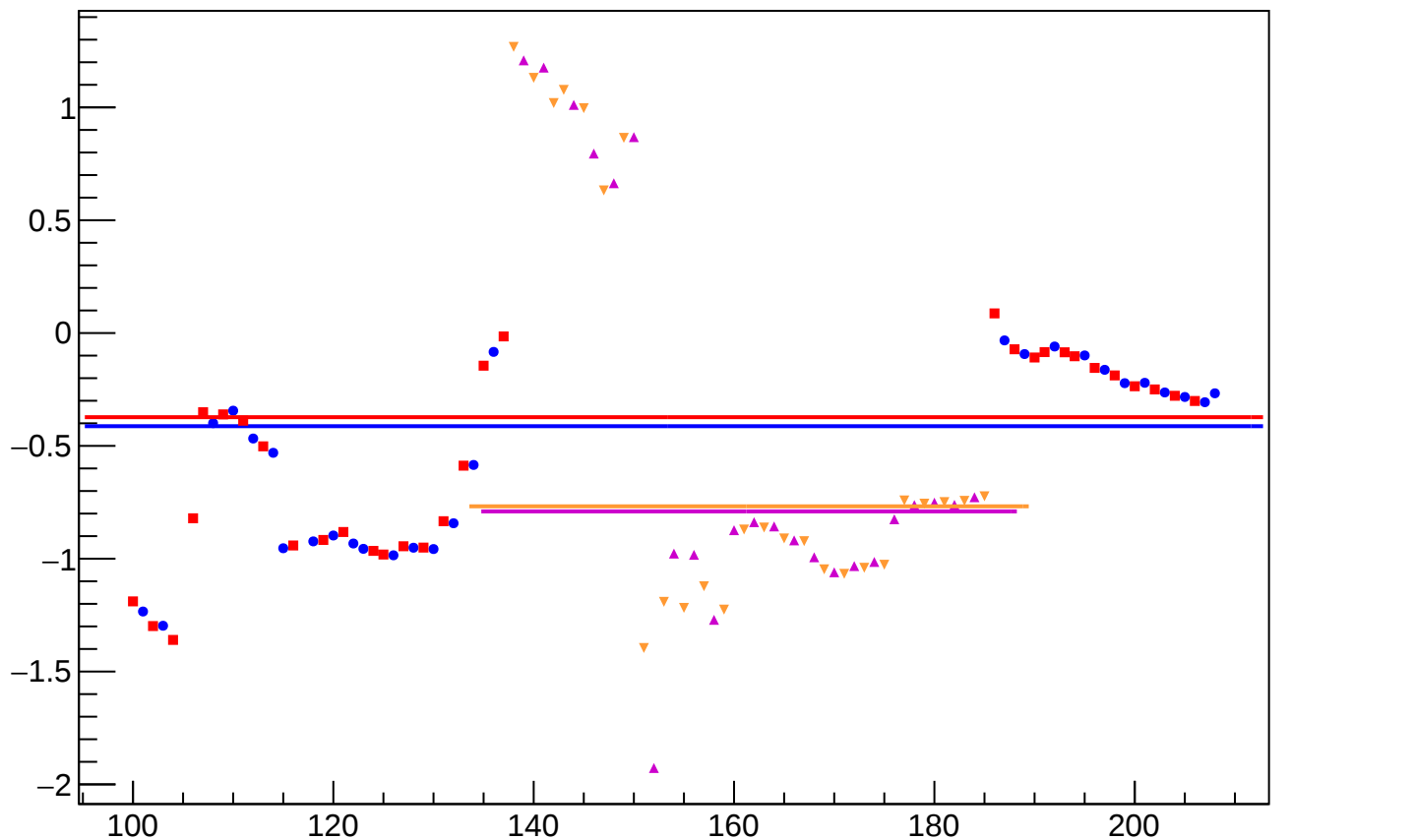
Left In: 0.009+/-0.000 χ^2/NDF :353750.0/22

+ sign 0.008+/-0.000 χ^2/NDF : 1811147.7/52

All: 0.008+/-0.000 χ^2/NDF : 3573081.6/106

- sign 0.008+/-0.000 χ^2/NDF : 1761004.3/53

yield_bpm0i01X_mean vs Slug



Right In: -0.413 ± 0.000 χ^2/NDF : 22642238690.7/27

Left Out: -0.768 ± 0.000 χ^2/NDF : 120774855982.9/24

Right Out: -0.373 ± 0.000 χ^2/NDF : 25076139288.6/30

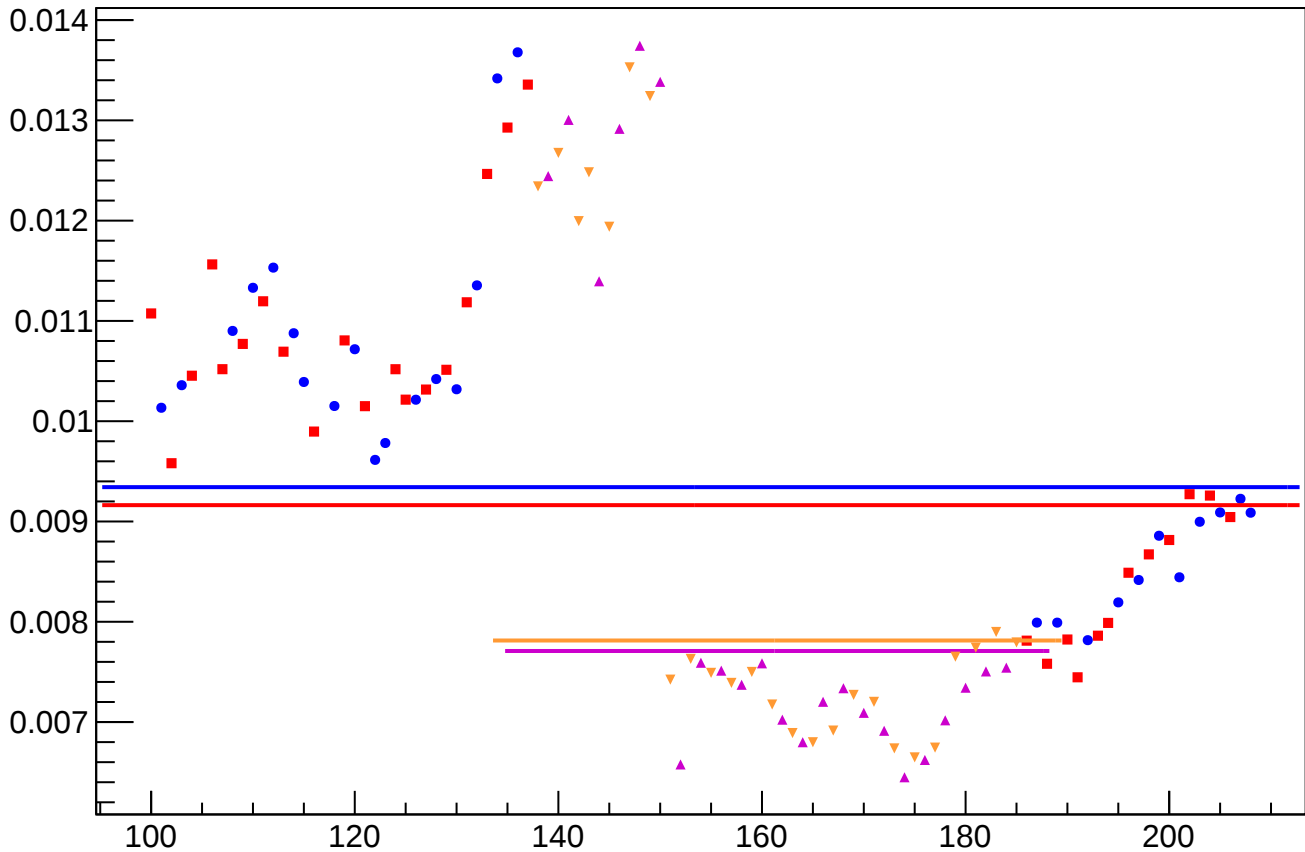
Left In: -0.790 ± 0.000 χ^2/NDF : 123452478408.2/22

+ sign -0.639 ± 0.000 χ^2/NDF : 156272229679.8/52

All: -0.634 ± 0.000 χ^2/NDF : 323254121775.2

- sign -0.628 ± 0.000 χ^2/NDF : 166954570998.6/53

yield_bpm0i01X_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 541988.8/27

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:1705997.6/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 628464.8/30

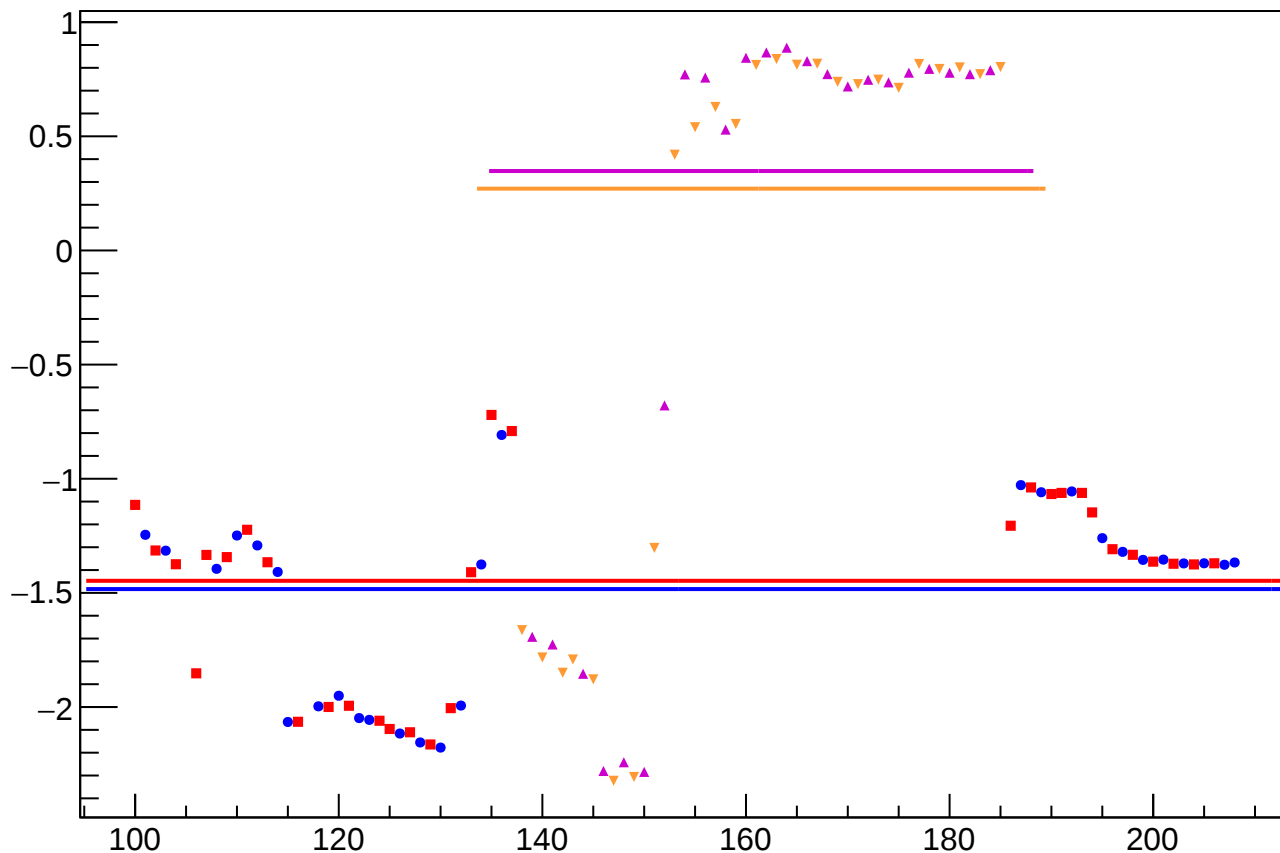
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:1746653.6/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2725025.3/52

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 5551114.5/106

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2822228.1/53

yield_bpm0i01Y_mean vs Slug



Right In: -1.483 ± 0.000 χ^2/NDF : 174591746133.1/27

Left Out: 0.271 ± 0.000 χ^2/NDF : 2583233987355.9/24

Right Out: -1.447 ± 0.000 χ^2/NDF : 164143041521.6/30

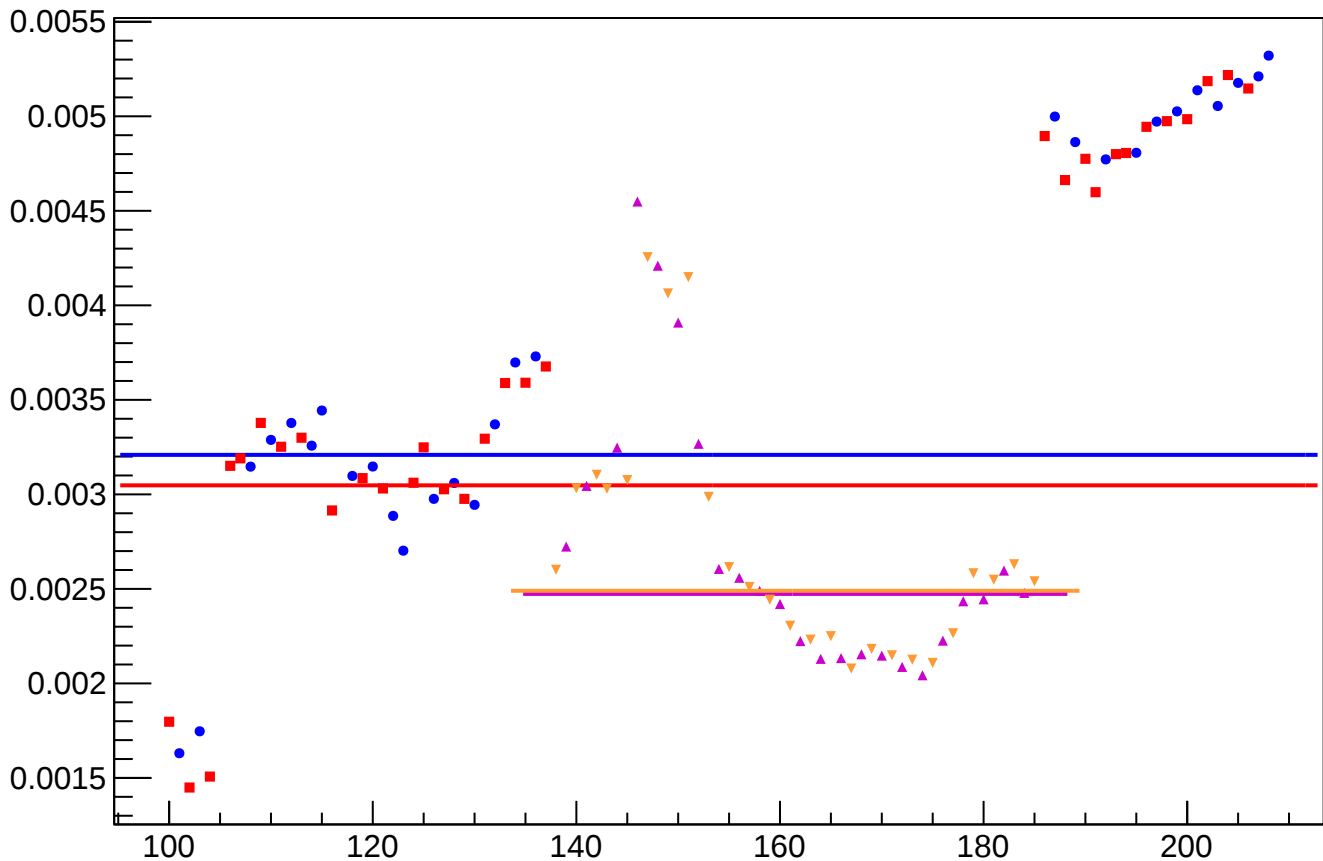
Left In: 0.348 ± 0.000 χ^2/NDF : 2274004426513.8/22

+ sign -0.263 ± 0.000 χ^2/NDF : 5214152256078.8/5

All: -0.264 ± 0.000 χ^2/NDF : 1038432789076

- sign -0.265 ± 0.000 χ^2/NDF : 5170169590667.8/5

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 3666607.7/27

Left Out: 0.002+/-0.000 χ^2/NDF :1070282.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 4531840.1/30

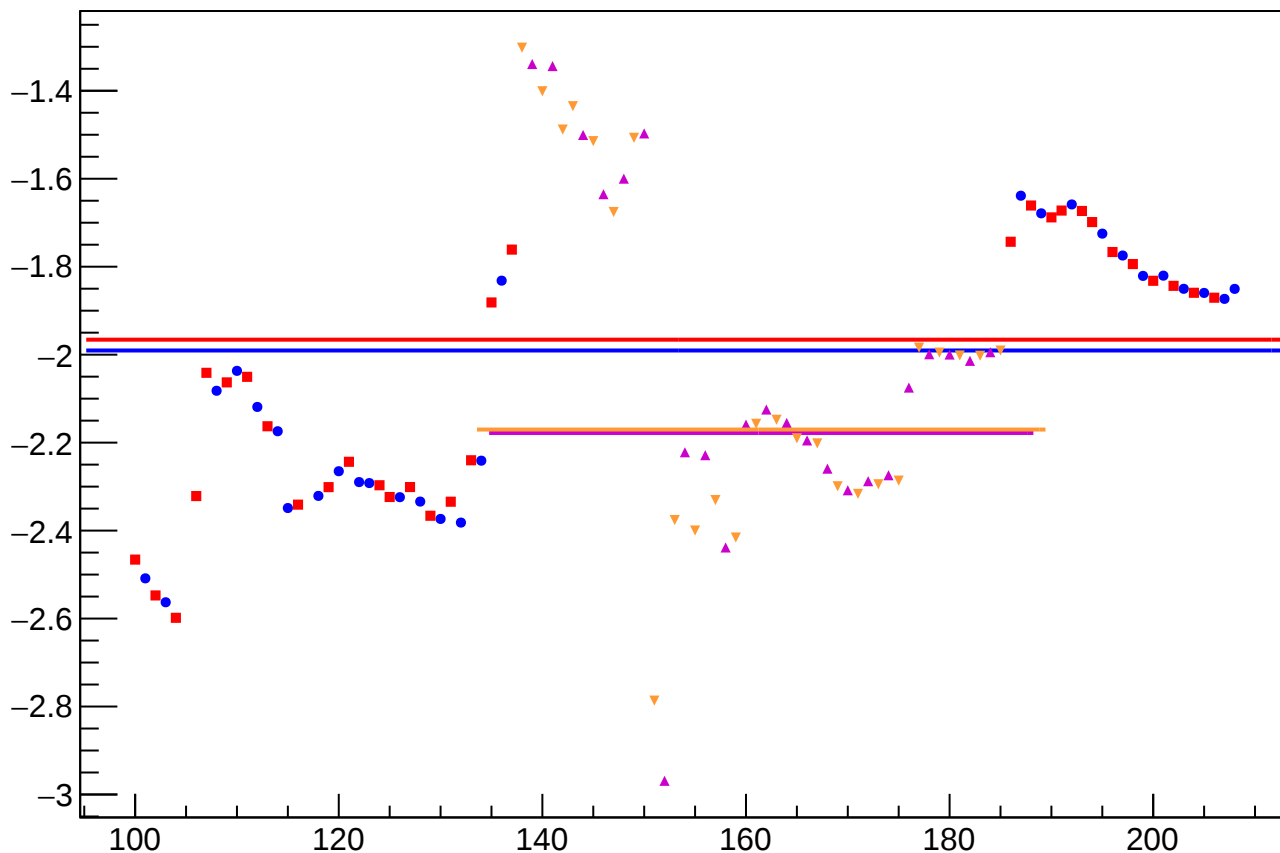
Left In: 0.002+/-0.000 χ^2/NDF :1135279.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 5562198.5/52

All: 0.003+/-0.000 χ^2/NDF : 11794615.6/106

- sign 0.003+/-0.000 χ^2/NDF : 6226582.0/53

yield_bpm0i01aX_mean vs Slug



Right In: -1.990+/-0.000 χ^2/NDF : 30839406064.9/27

Left Out: -2.170+/-0.000 χ^2/NDF : 59967315241.9/24

Right Out: -1.966+/-0.000 χ^2/NDF : 34760034398.0/30

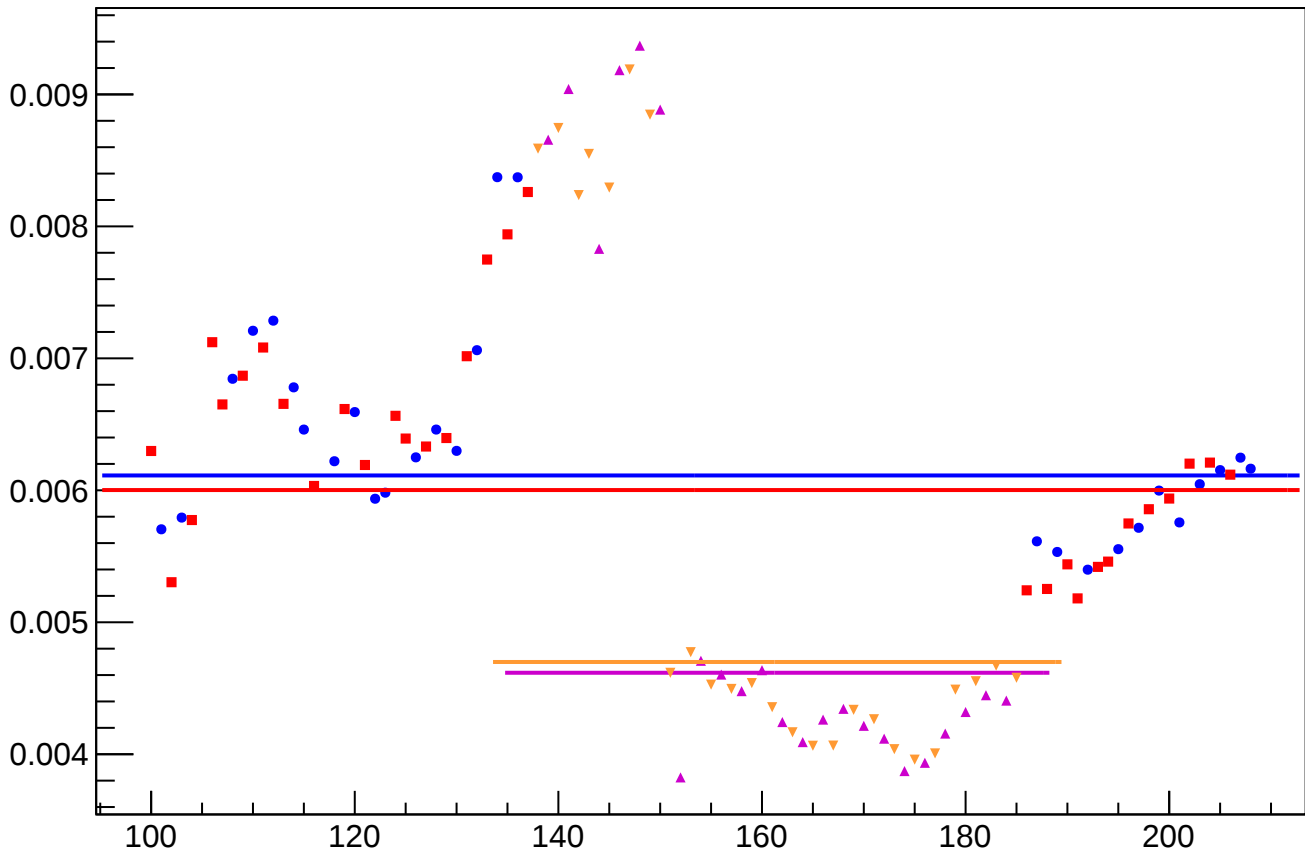
Left In: -2.178+/-0.000 χ^2/NDF : 73402051113.3/22

+ sign -2.111+/-0.000 χ^2/NDF : 98876656618.9/52

All: -2.107+/-0.000 χ^2/NDF : 218788924279.7

- sign -2.103+/-0.000 χ^2/NDF : 119874906695.0/53

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 302819.6/27

Left Out: 0.005+/-0.000 χ^2/NDF :2319588.7/24

Right Out: 0.006+/-0.000 χ^2/NDF : 353470.1/30

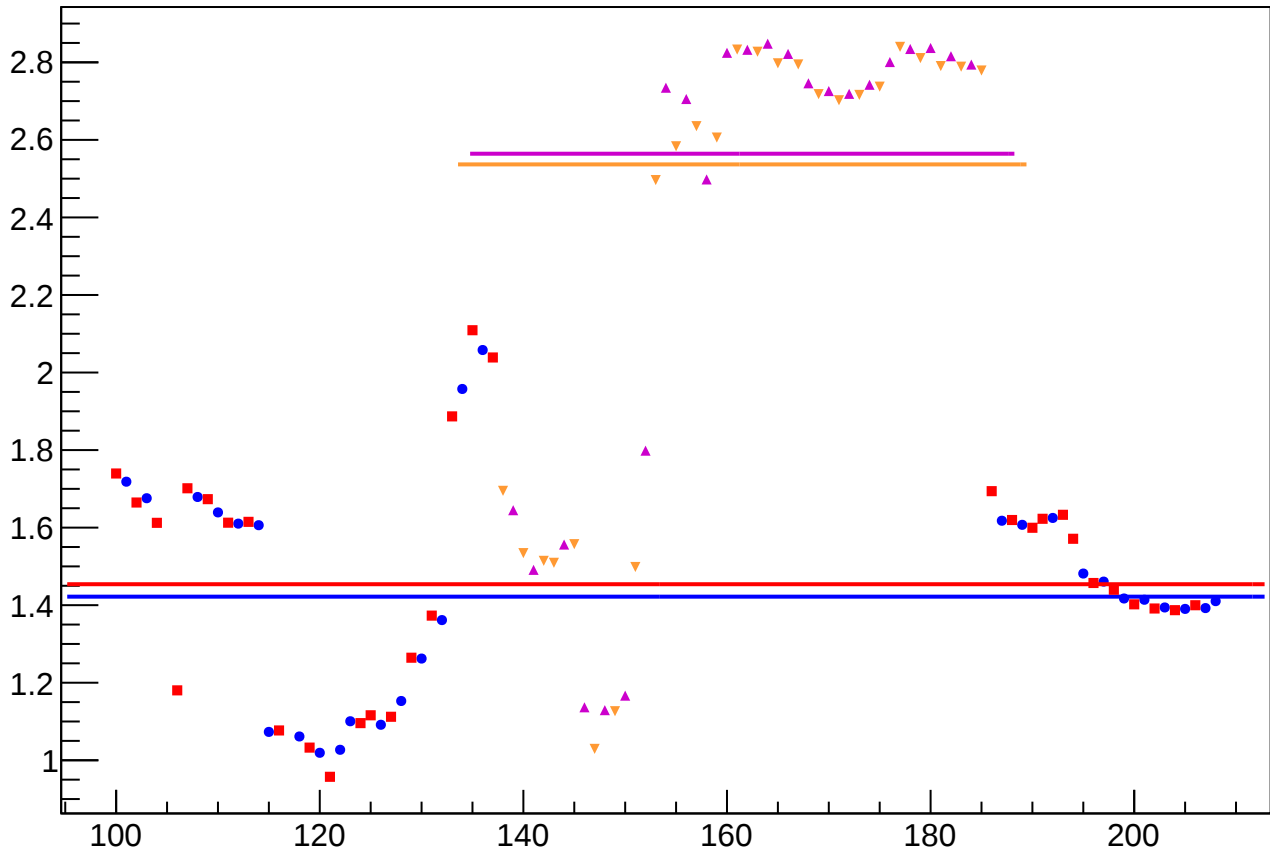
Left In: 0.005+/-0.000 χ^2/NDF :2367440.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 3620519.3/52

All: 0.005+/-0.000 χ^2/NDF : 7342911.5/106

- sign 0.005+/-0.000 χ^2/NDF : 3718684.0/53

yield_bpm0i01aY_mean vs Slug



Right In: 1.422+/-0.000 χ^2/NDF : 174159204898.9/27

Left Out: 2.537+/-0.000 χ^2/NDF : 269554948115.3/24

Right Out: 1.454+/-0.000 χ^2/NDF : 176981848754.9/30

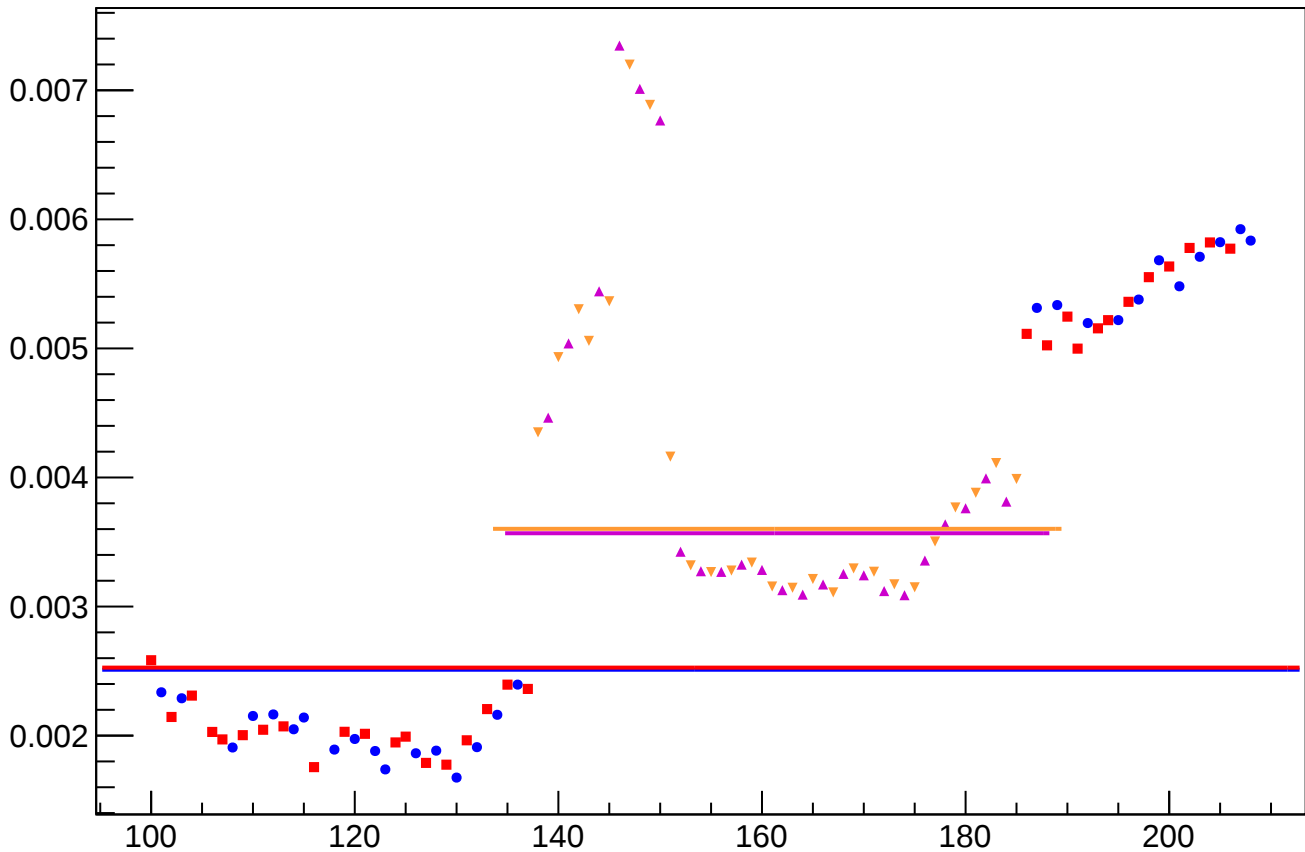
Left In: 2.564+/-0.000 χ^2/NDF : 260287937727.8/22

+ sign 1.892+/-0.000 χ^2/NDF : 1369702595278.2/52

All: 1.895+/-0.000 χ^2/NDF : 2715114088374.

- sign 1.897+/-0.000 χ^2/NDF : 1345368791272.9/53

yield_bpm0i01aY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 5498292.5/27

Left Out: 0.004+/-0.000 χ^2/NDF :1410717.8/24

Right Out: 0.003+/-0.000 χ^2/NDF : 5425055.8/30

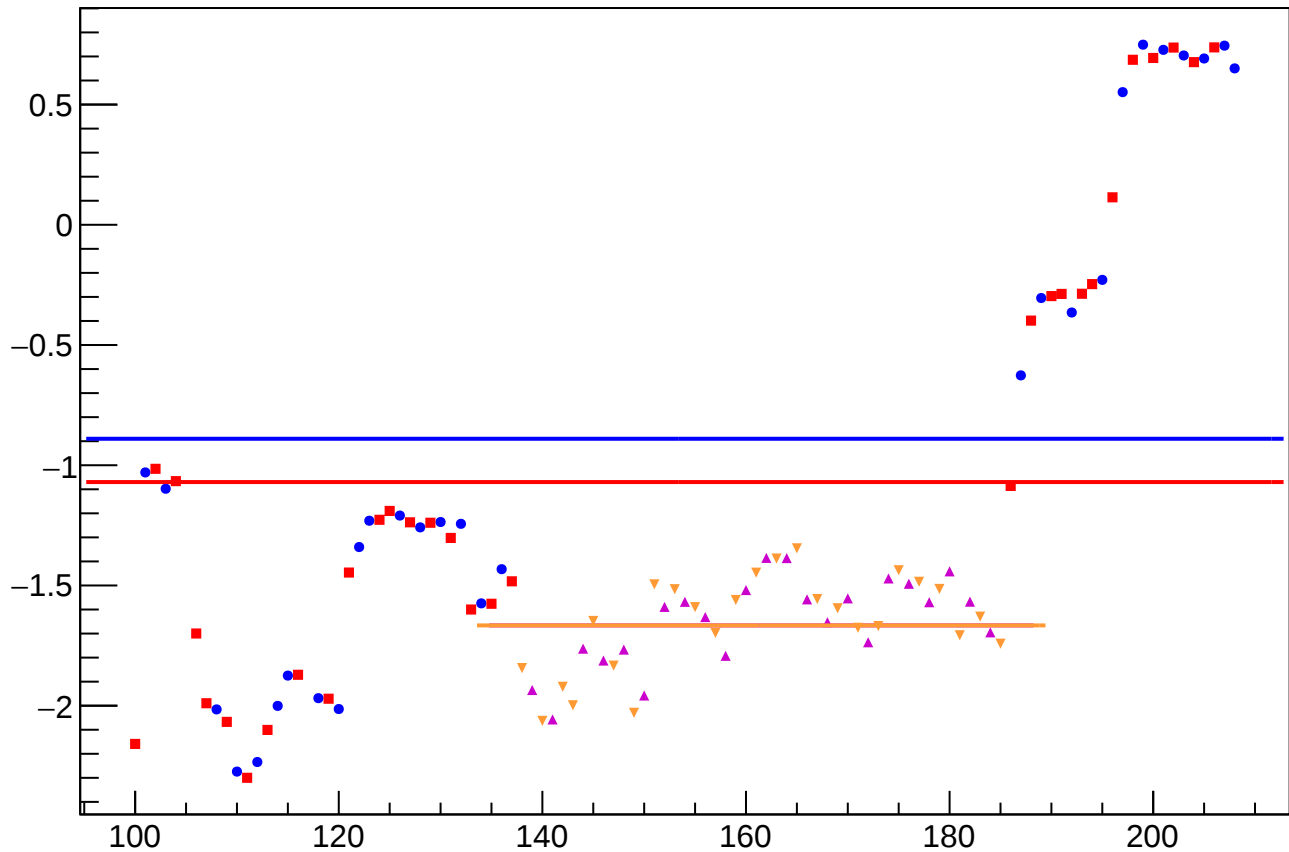
Left In: 0.004+/-0.000 χ^2/NDF :1563028.0/22

+ sign 0.003+/-0.000 χ^2/NDF : 8684899.9/52

All: 0.003+/-0.000 χ^2/NDF : 17272209.8/106

- sign 0.003+/-0.000 χ^2/NDF : 8584844.3/53

yield_bpm0l01X_mean vs Slug



Right In: -0.890+/-0.000 χ^2/NDF : 193328540363.0/27

Left Out: -1.666+/-0.000 χ^2/NDF : 18325162131.2/24

Right Out: -1.070+/-0.000 χ^2/NDF : 201579527002.6/30

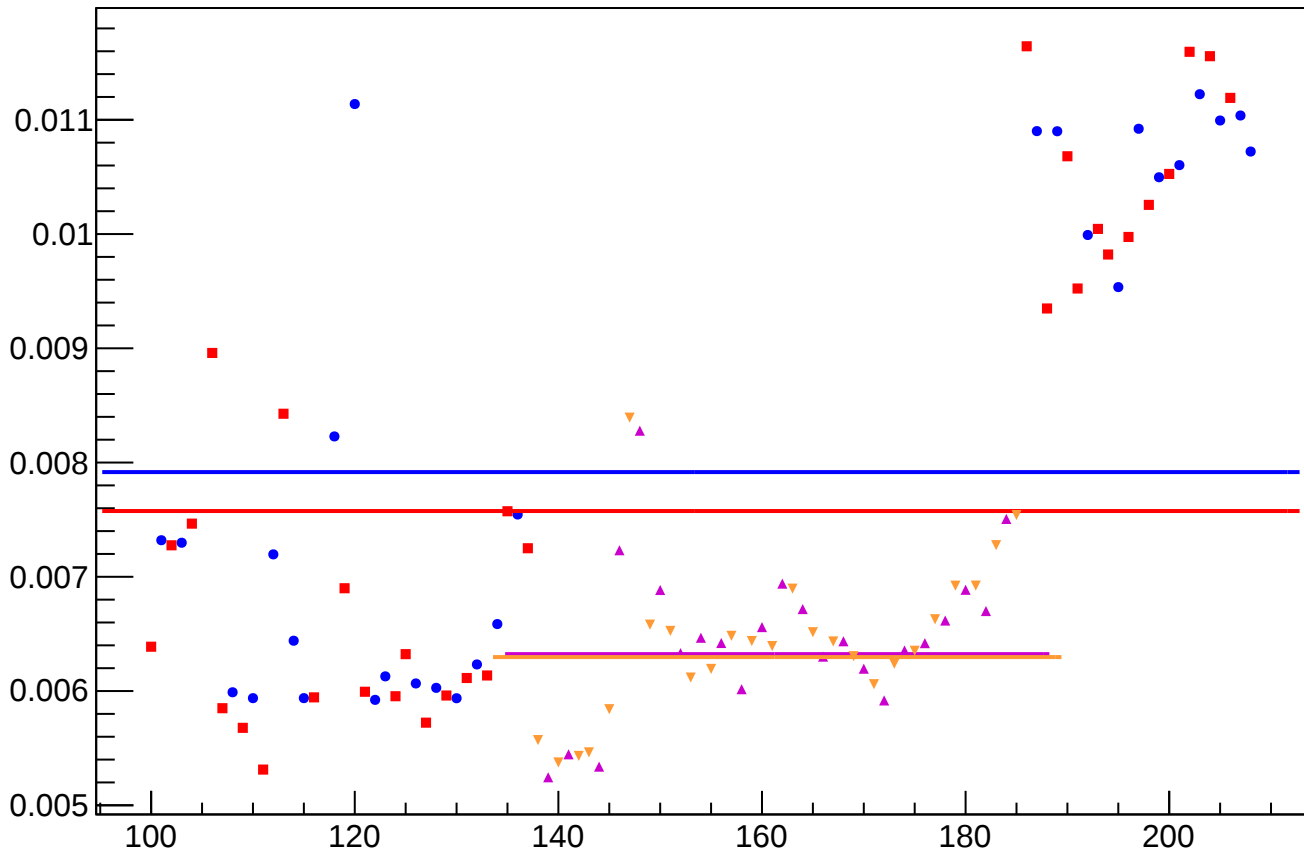
Left In: -1.666+/-0.000 χ^2/NDF : 14292570816.9/22

+ sign -1.419+/-0.000 χ^2/NDF : 296149142200.4/52

All: -1.434+/-0.000 χ^2/NDF : 565500291297.8

- sign -1.448+/-0.000 χ^2/NDF : 269073892710.4/53

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1676132.2/27

Left Out: 0.006+/-0.000 χ^2/NDF : 310757.0/24

Right Out: 0.008+/-0.000 χ^2/NDF : 1913205.4/30

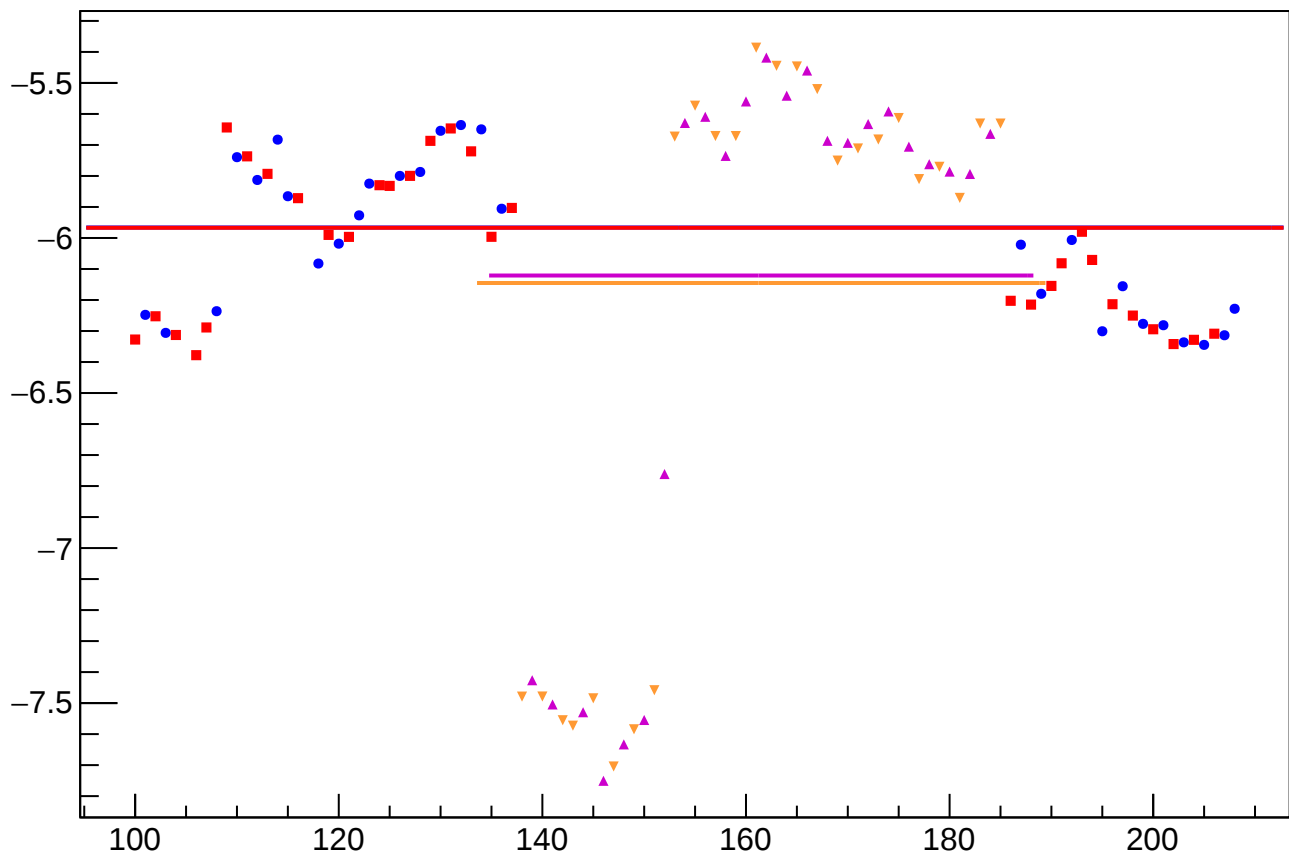
Left In: 0.006+/-0.000 χ^2/NDF : 330859.7/22

+ sign 0.007+/-0.000 χ^2/NDF : 2722227.3/52

All: 0.007+/-0.000 χ^2/NDF : 5436502.2/106

- sign 0.007+/-0.000 χ^2/NDF : 2713613.5/53

yield_bpm0l01Y_mean vs Slug



Right In: -5.966+/-0.000 χ^2 /NDF: 15254370871.3/27

Left Out: -6.145+/-0.000 χ^2 /NDF: 185364150237.7/24

Right Out: -5.967+/-0.000 χ^2 /NDF: 16350539656.5/30

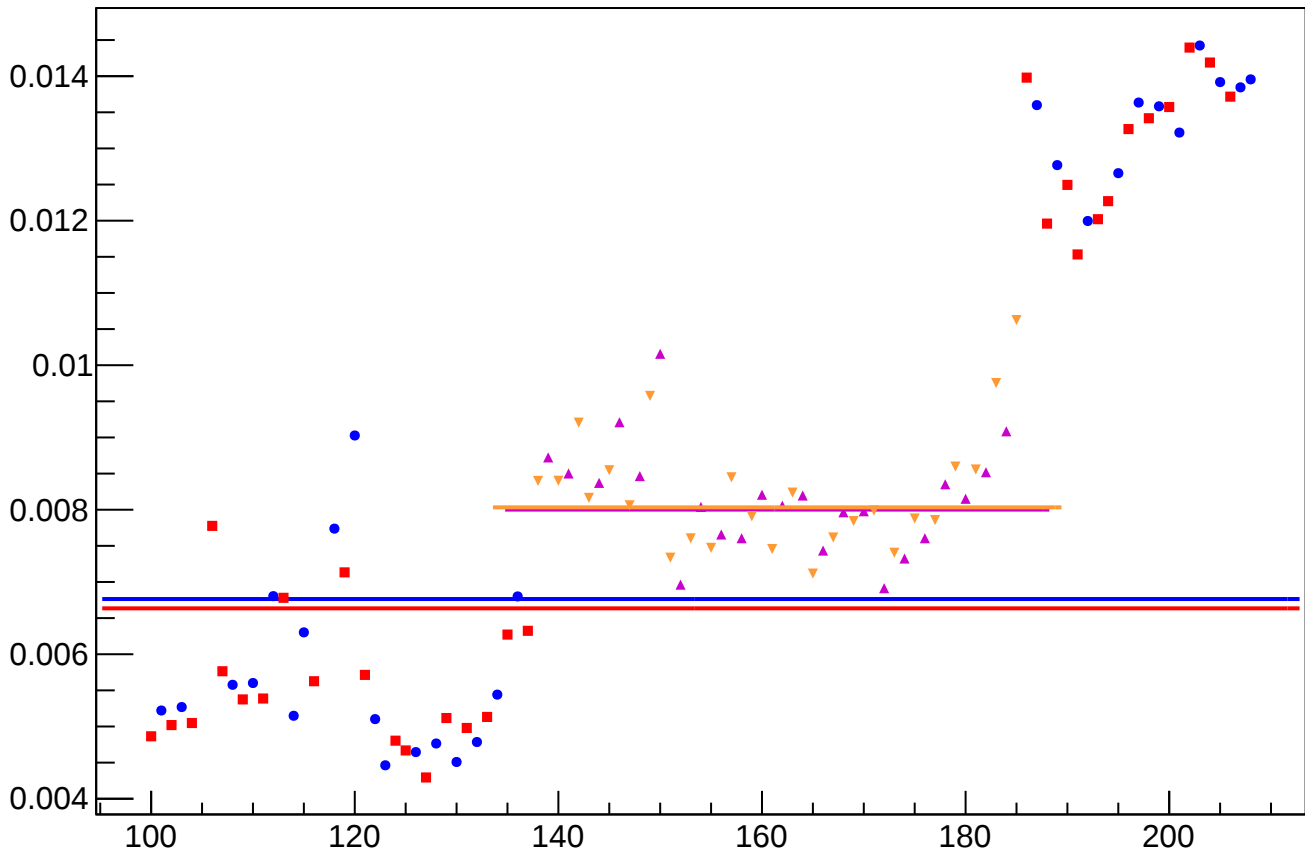
Left In: -6.121+/-0.000 χ^2 /NDF: 158315913062.3/22

+ sign -6.058+/-0.000 χ^2 /NDF: 204627036759.2/52

All: -6.049+/-0.000 χ^2 /NDF: 382415807824.4

- sign -6.041+/-0.000 χ^2 /NDF: 177713723619.3/53

yield_bpm0l01Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 4777185.7/27

Left Out: 0.008+/-0.000 χ^2/NDF :205762.2/24

Right Out: 0.007+/-0.000 χ^2/NDF : 4730167.4/30

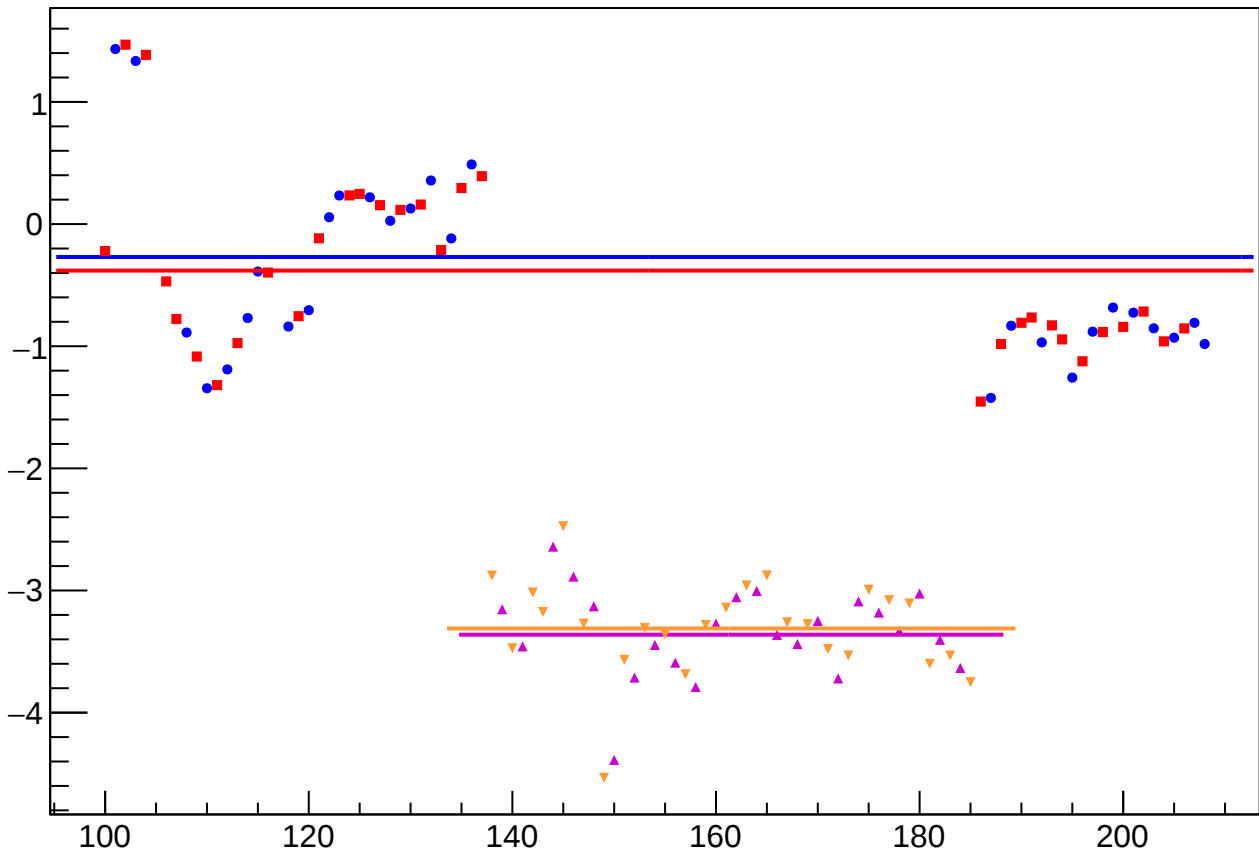
Left In: 0.008+/-0.000 χ^2/NDF :220756.1/22

+ sign 0.007+/-0.000 χ^2/NDF : 5385872.3/52

All: 0.007+/-0.000 χ^2/NDF : 10824663.2/106

- sign 0.007+/-0.000 χ^2/NDF : 5430800.7/53

yield_bpm0l02X_mean vs Slug



Right In: -0.269+/-0.000 χ^2/NDF : 31670588295.0/27

Left Out: -3.311+/-0.000 χ^2/NDF : 9354397456.2/24

Right Out: -0.381+/-0.000 χ^2/NDF : 32434745862.3/30

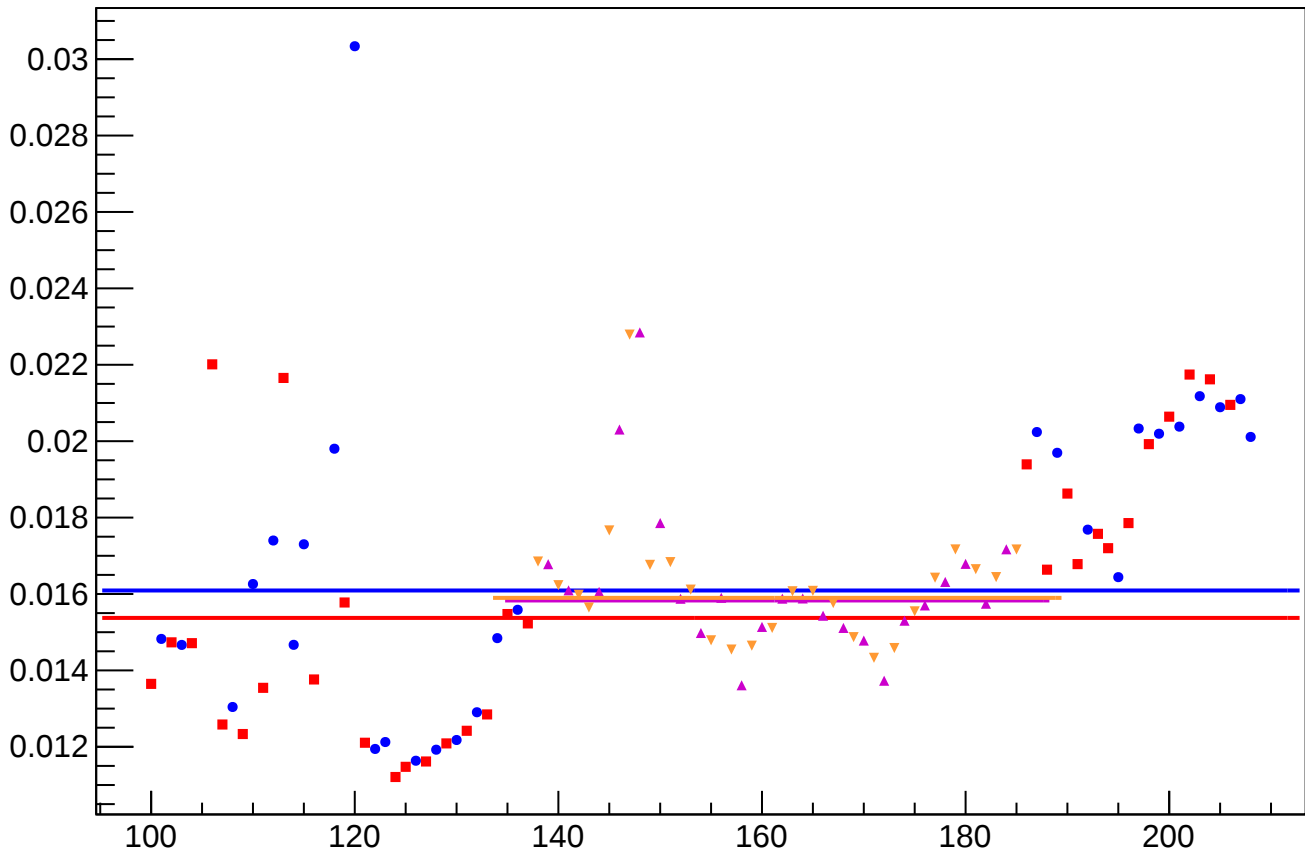
Left In: -3.362+/-0.000 χ^2/NDF : 8171803777.4/22

+ sign -2.037+/-0.000 χ^2/NDF : 311938773935.4/52

All: -2.001+/-0.000 χ^2/NDF : 628531676933.8

- sign -1.966+/-0.000 χ^2/NDF : 316281603131.8/53

yield_bpm0l02X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 1265342.1/27

Left Out: 0.016+/-0.000 χ^2/NDF :251912.7/24

Right Out: 0.015+/-0.000 χ^2/NDF : 1262556.7/30

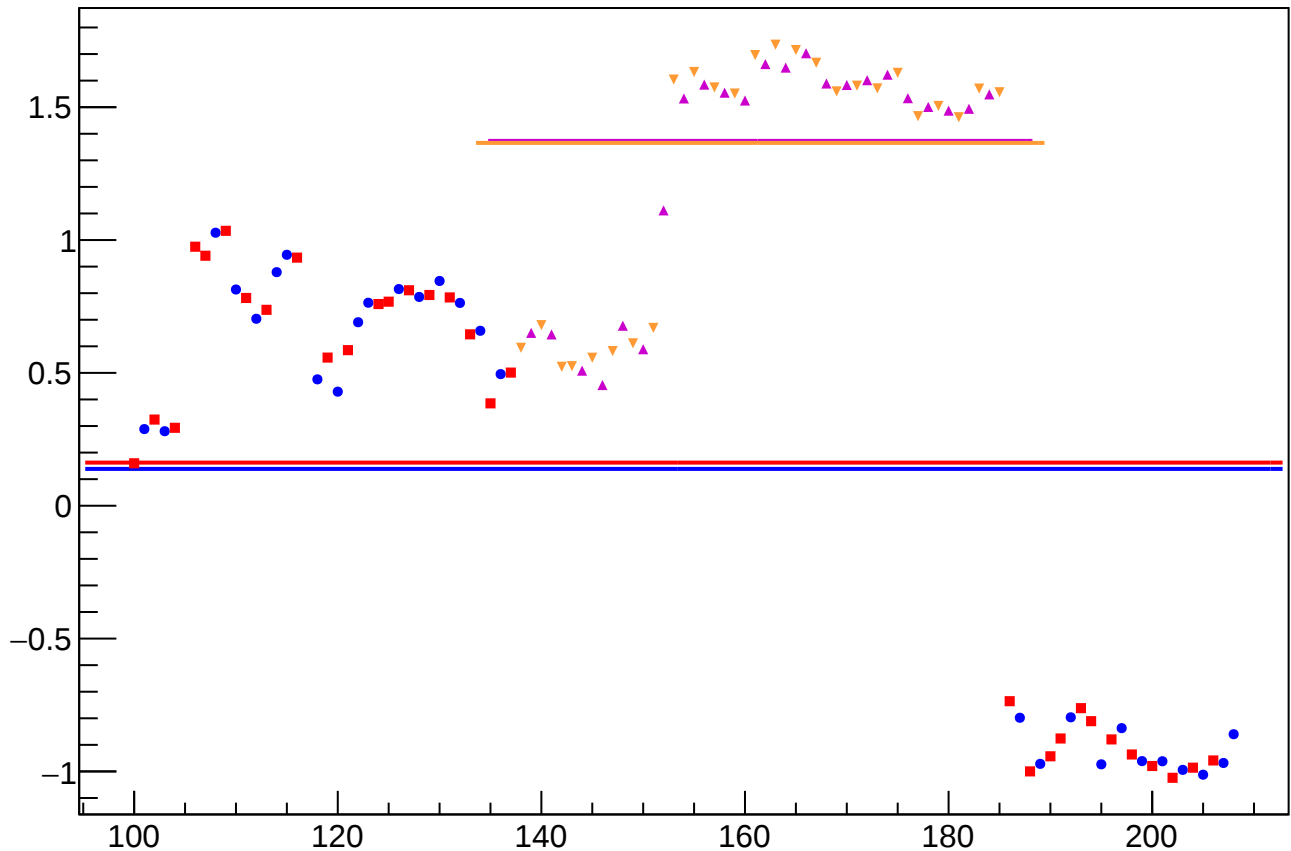
Left In: 0.016+/-0.000 χ^2/NDF :339542.1/22

+ sign 0.016+/-0.000 χ^2/NDF : 1519448.1/52

All: 0.016+/-0.000 χ^2/NDF : 3150573.5/106

- sign 0.016+/-0.000 χ^2/NDF : 1615036.8/53

yield_bpm0l02Y_mean vs Slug



Right In: 0.139 ± 0.000 χ^2/NDF : 75915188055.6/27

Left Out: 1.366 ± 0.000 χ^2/NDF : 74741956067.9/24

Right Out: 0.162 ± 0.000 χ^2/NDF : 84127248221.3/30

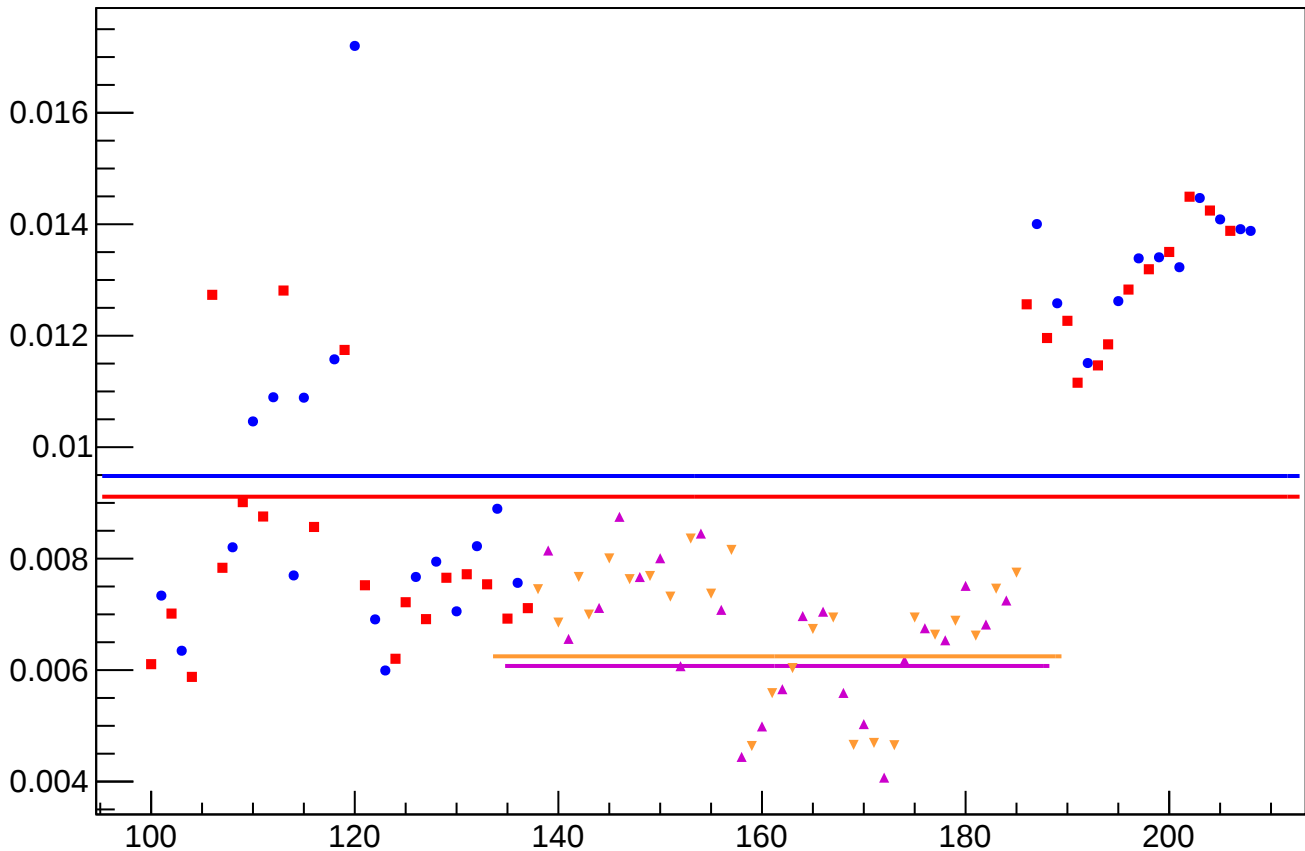
Left In: 1.373 ± 0.000 χ^2/NDF : 63413151416.3/22

+ sign 1.066 ± 0.000 χ^2/NDF : 307376818400.3/52

All: 1.057 ± 0.000 χ^2/NDF : 622396158110.2

- sign 1.050 ± 0.000 χ^2/NDF : 314945554508.5/53

yield_bpm0l02Y_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 2246406.4/27

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1330867.5/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 2301552.2/30

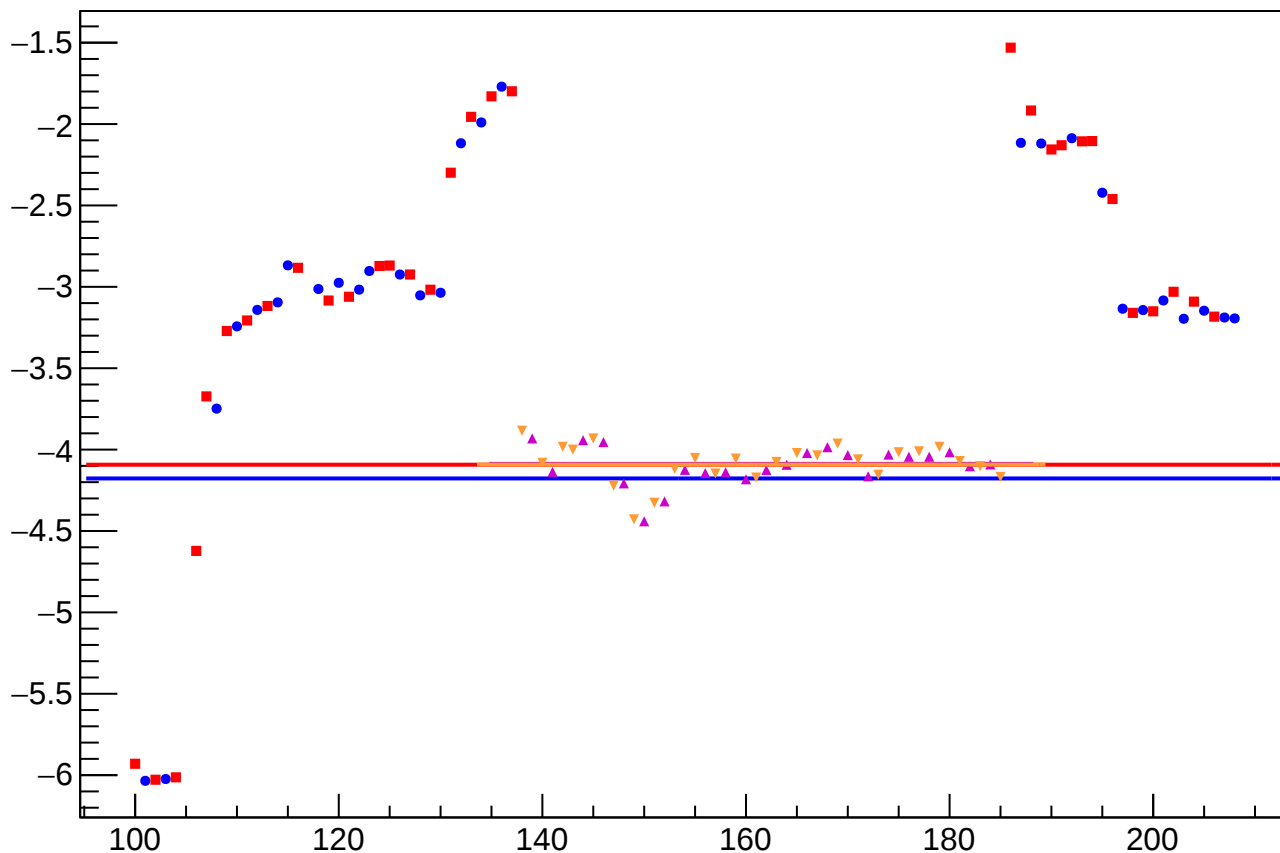
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1431986.5/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 5757129.2/52

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 11610730.3/106

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 5840319.9/53

yield_bpm0l03X_mean vs Slug



Right In: -4.177 ± 0.000 $\chi^2/\text{NDF}: 280122231503.4/27$

Left Out: -4.092 ± 0.000 $\chi^2/\text{NDF}: 39806766.7/24$

Right Out: -4.093 ± 0.000 $\chi^2/\text{NDF}: 268536086077.6/30$

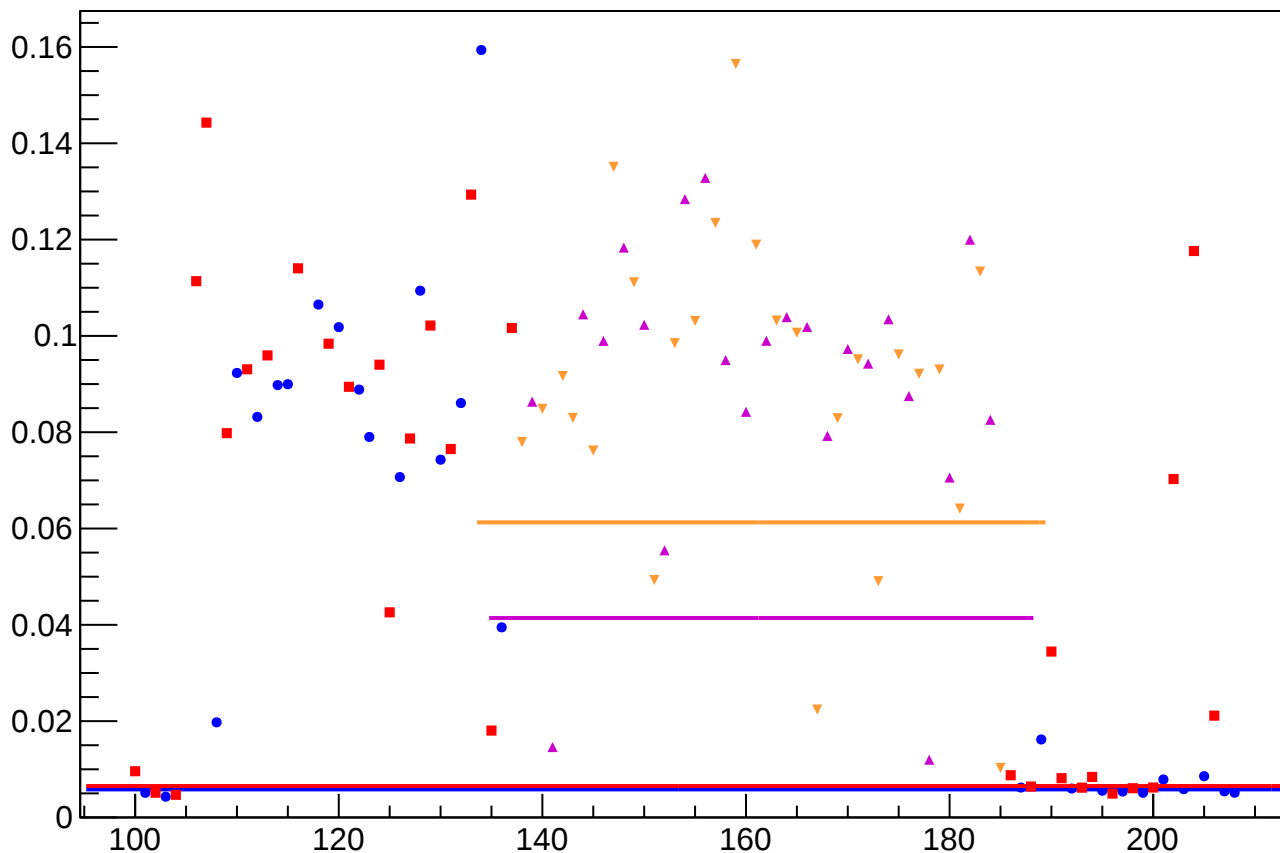
Left In: -4.088 ± 0.000 $\chi^2/\text{NDF}: 34412880.7/22$

+ sign -4.175 ± 0.000 $\chi^2/\text{NDF}: 280183022138.7/52$

All: -4.141 ± 0.000 $\chi^2/\text{NDF}: 549083457661.4$

- sign -4.093 ± 0.000 $\chi^2/\text{NDF}: 268570602107.5/53$

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 8075910.6/27

Left Out: 0.061 $\pm$ 0.000 χ^2 /NDF:8355266.0/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 10329314.0/30

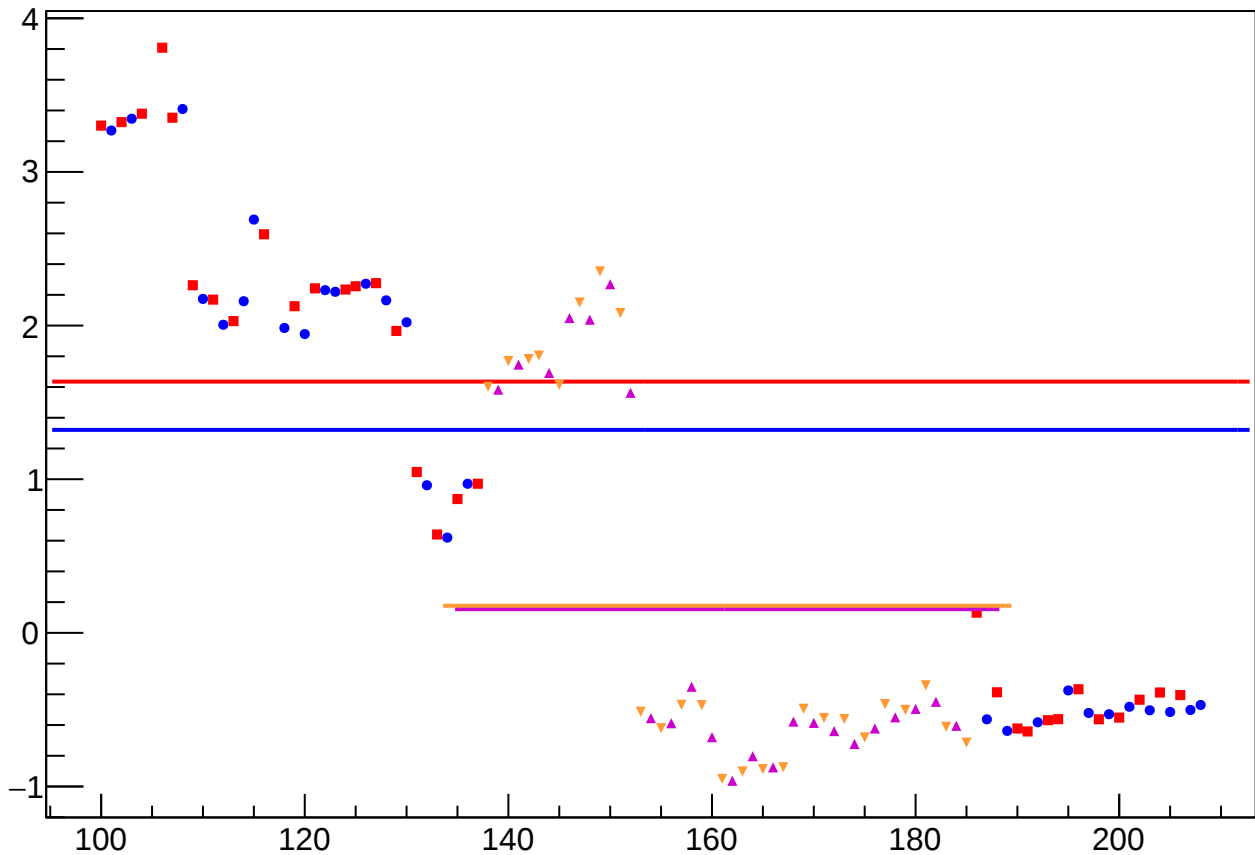
Left In: 0.041 $\pm$ 0.000 χ^2 /NDF:13124468.7/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 34128107.7/52

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 67550779.6/106

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 33310056.5/53

yield_bpm0l03Y_mean vs Slug



Right In: 1.321+/-0.000 χ^2/NDF : 212823786877.7/27

Left Out: 0.177+/-0.000 χ^2/NDF : 3275313367.7/24

Right Out: 1.635+/-0.000 χ^2/NDF : 167700675622.8/30

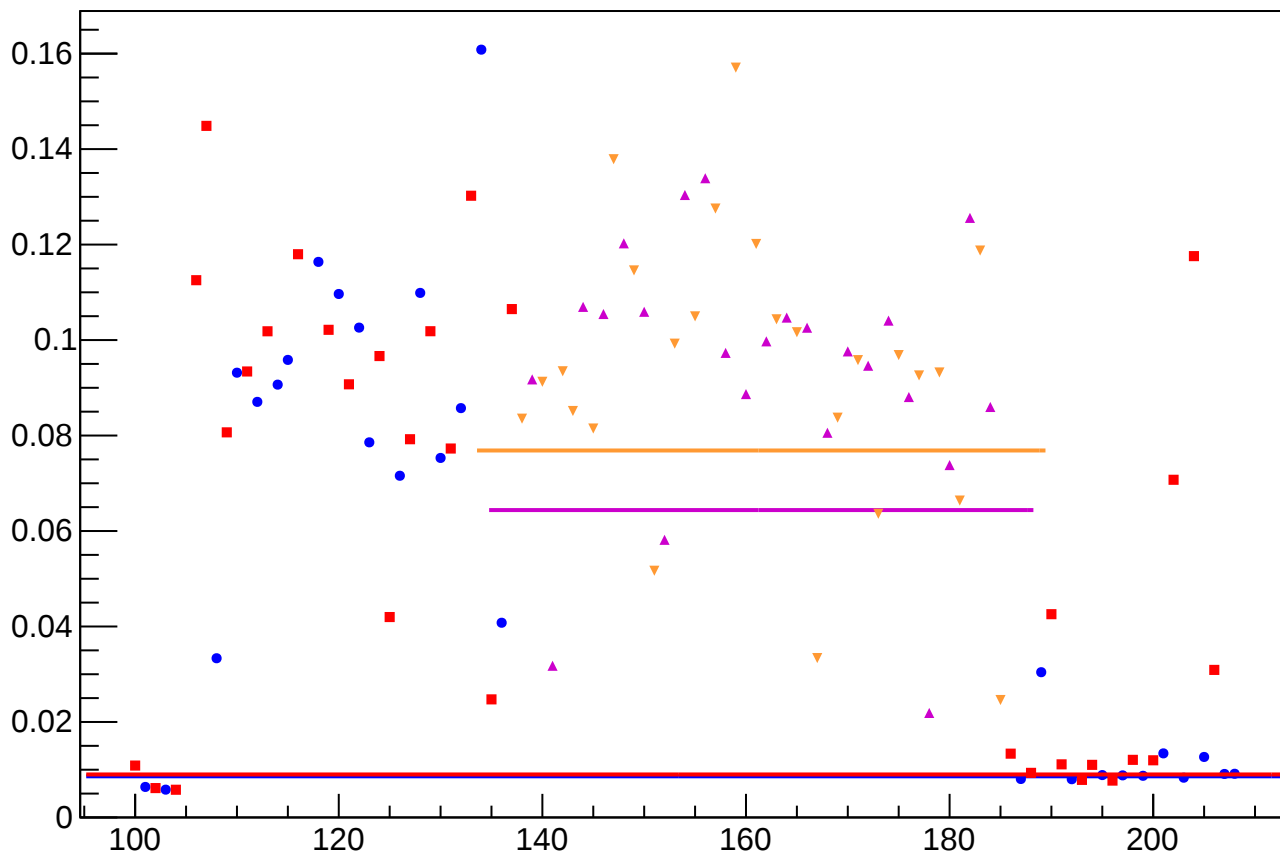
Left In: 0.154+/-0.000 χ^2/NDF : 3163553595.0/22

+ sign 1.279+/-0.000 χ^2/NDF : 218960041826.4/52

All: 1.405+/-0.000 χ^2/NDF : 397354492963.9

- sign 1.559+/-0.000 χ^2/NDF : 176230229287.5/53

yield_bpm0l03Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 8030571.9/27

Left Out: 0.077+/-0.000 χ^2/NDF : 4217954.3/24

Right Out: 0.009+/-0.000 χ^2/NDF : 10280460.0/30

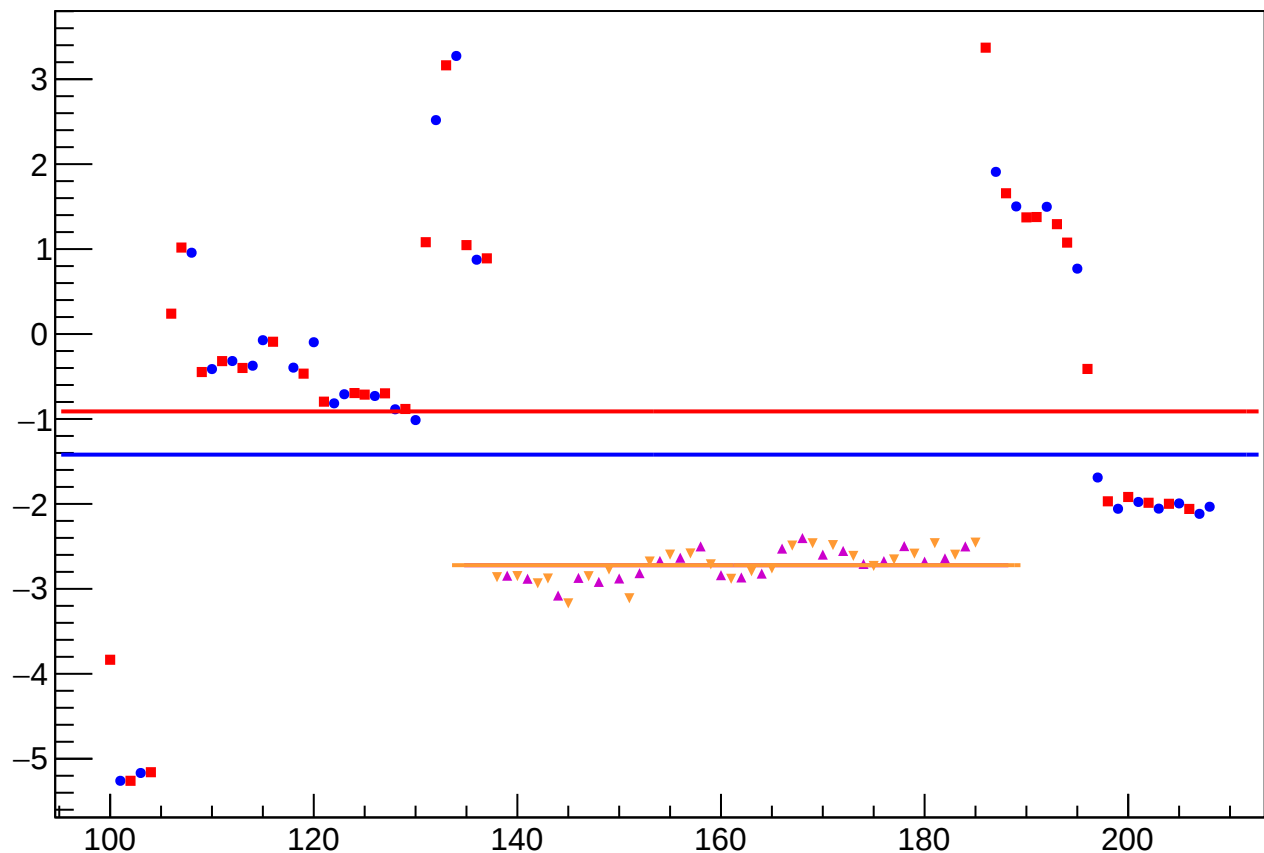
Left In: 0.064+/-0.000 χ^2/NDF : 6990231.5/22

+ sign 0.011+/-0.000 χ^2/NDF : 32591086.8/52

All: 0.011+/-0.000 χ^2/NDF : 64897488.5/106

- sign 0.012+/-0.000 χ^2/NDF : 32277031.4/53

yield_bpm0l04X_mean vs Slug



Right In: -1.420 ± 0.000 χ^2/NDF : 206178102980.1/27

Left Out: -2.721 ± 0.000 χ^2/NDF : 10397156971.6/24

Right Out: -0.911 ± 0.000 χ^2/NDF : 235670216105.3/30

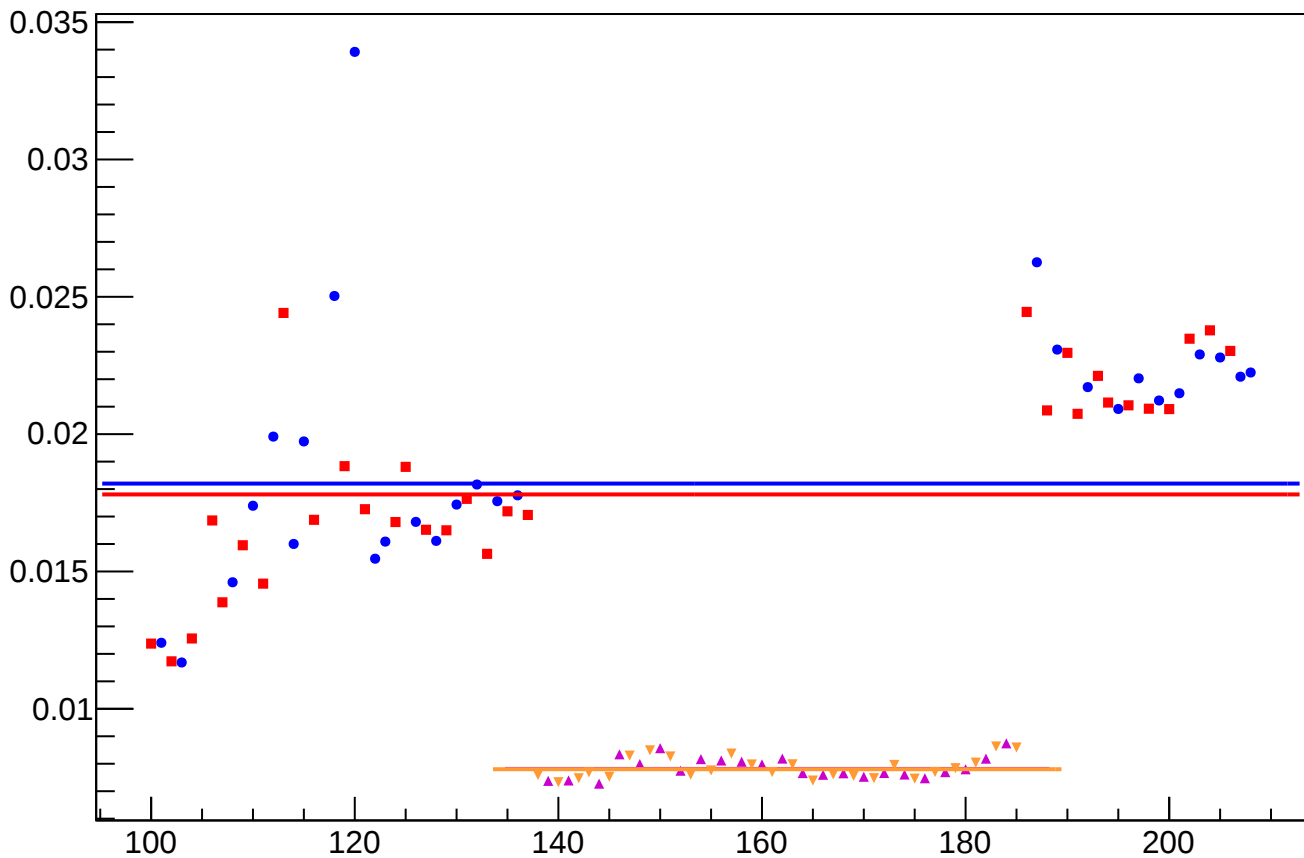
Left In: -2.722 ± 0.000 χ^2/NDF : 8146484592.1/22

+ sign -2.569 ± 0.000 χ^2/NDF : 274073147090.1/52

All: -2.525 ± 0.000 χ^2/NDF : 640085113614.8

- sign -2.478 ± 0.000 χ^2/NDF : 364667933246.2/53

yield_bpm0l04X_rms vs Slug



Right In: 0.018 $\pm$ 0.000 χ^2 /NDF: 1347585.1/27

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 71164.4/24

Right Out: 0.018 $\pm$ 0.000 χ^2 /NDF: 1238634.6/30

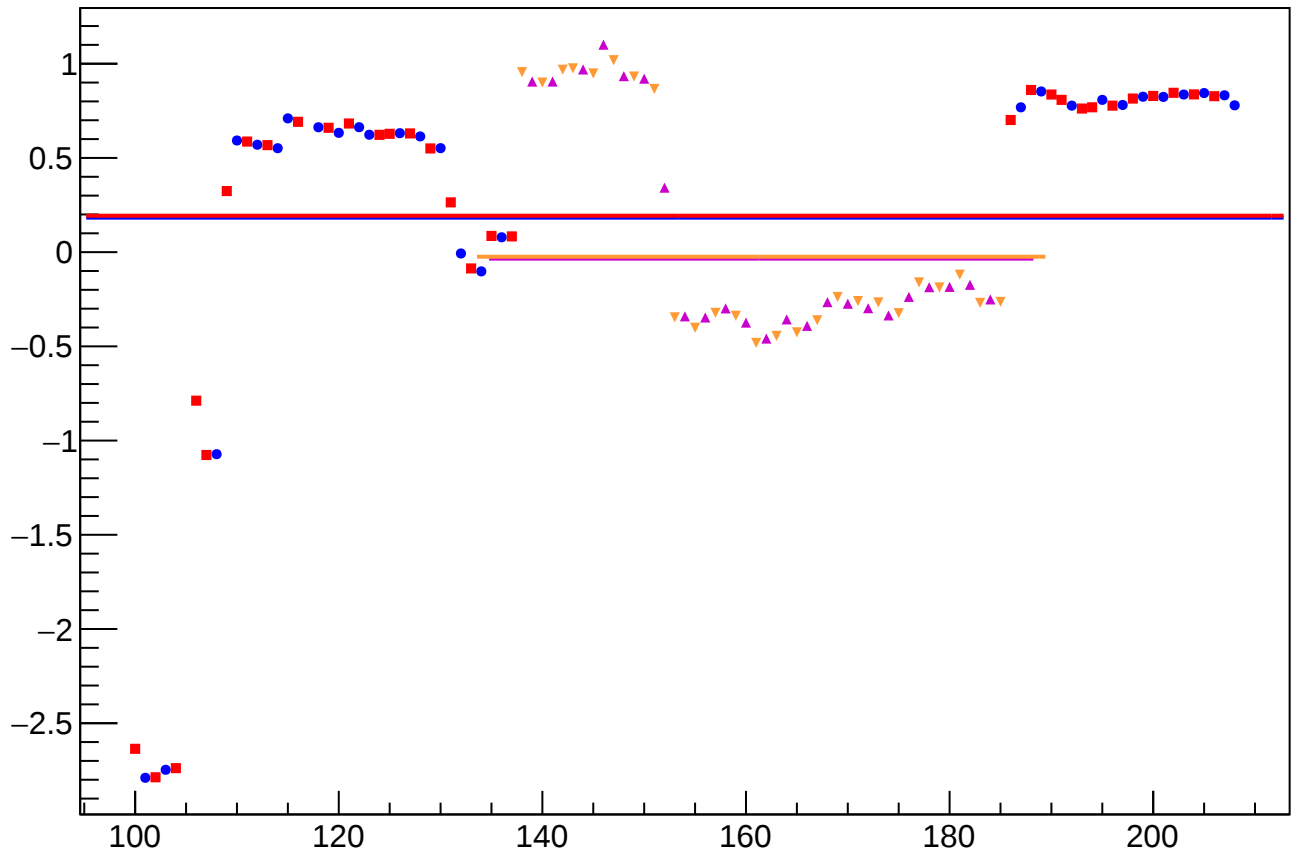
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 67610.2/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 8761460.8/52

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 17436477.8/106

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 8668459.2/53

yield_bpm0l04Y_mean vs Slug



Right In: 0.183 $\pm$ 0.000 χ^2 /NDF: 872393117164.5/27

Left Out: -0.024 $\pm$ 0.000 χ^2 /NDF: 135451649275.0/24

Right Out: 0.193 $\pm$ 0.000 χ^2 /NDF: 928260843896.2/30

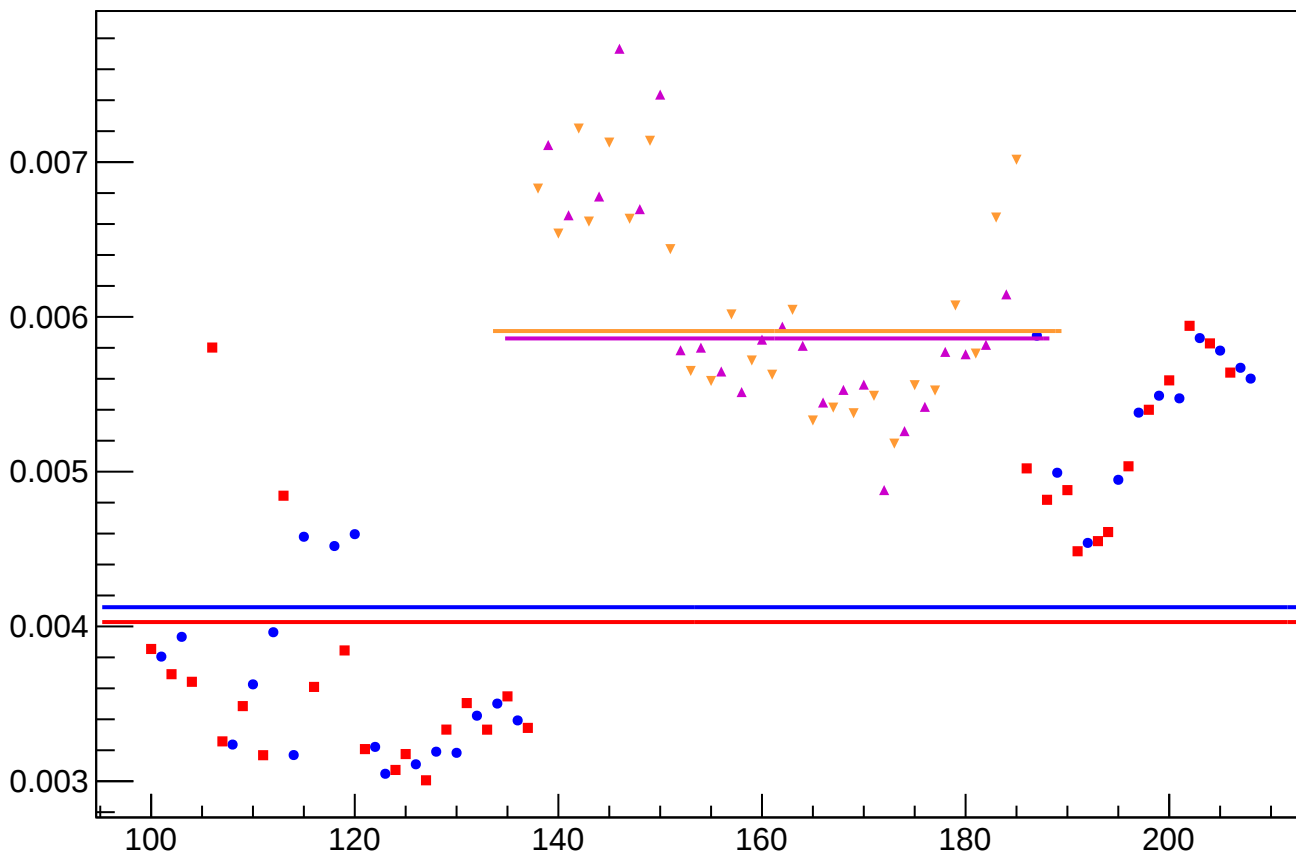
Left In: -0.034 $\pm$ 0.000 χ^2 /NDF: 113929060918.1/22

+ sign 0.104 $\pm$ 0.000 χ^2 /NDF: 1020638558658.3/52

All: 0.108 $\pm$ 0.000 χ^2 /NDF: 2078500649351.0/100

- sign 0.113 $\pm$ 0.000 χ^2 /NDF: 1057806428331.9/53

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 1405140.9/27

Left Out: 0.006+/-0.000 χ^2/NDF :314309.7/24

Right Out: 0.004+/-0.000 χ^2/NDF : 1379905.9/30

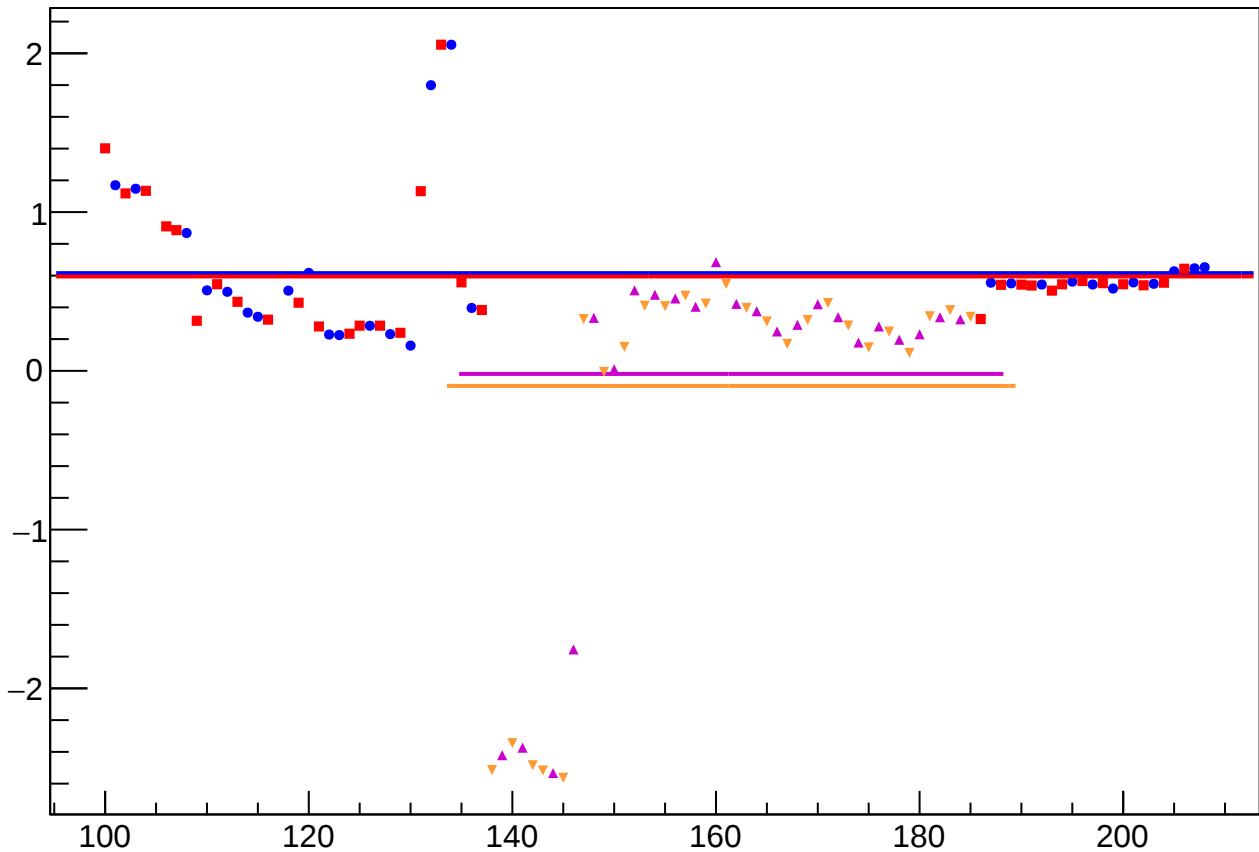
Left In: 0.006+/-0.000 χ^2/NDF :364512.1/22

+ sign 0.005+/-0.000 χ^2/NDF : 3612777.6/52

All: 0.005+/-0.000 χ^2/NDF : 7401171.7/106

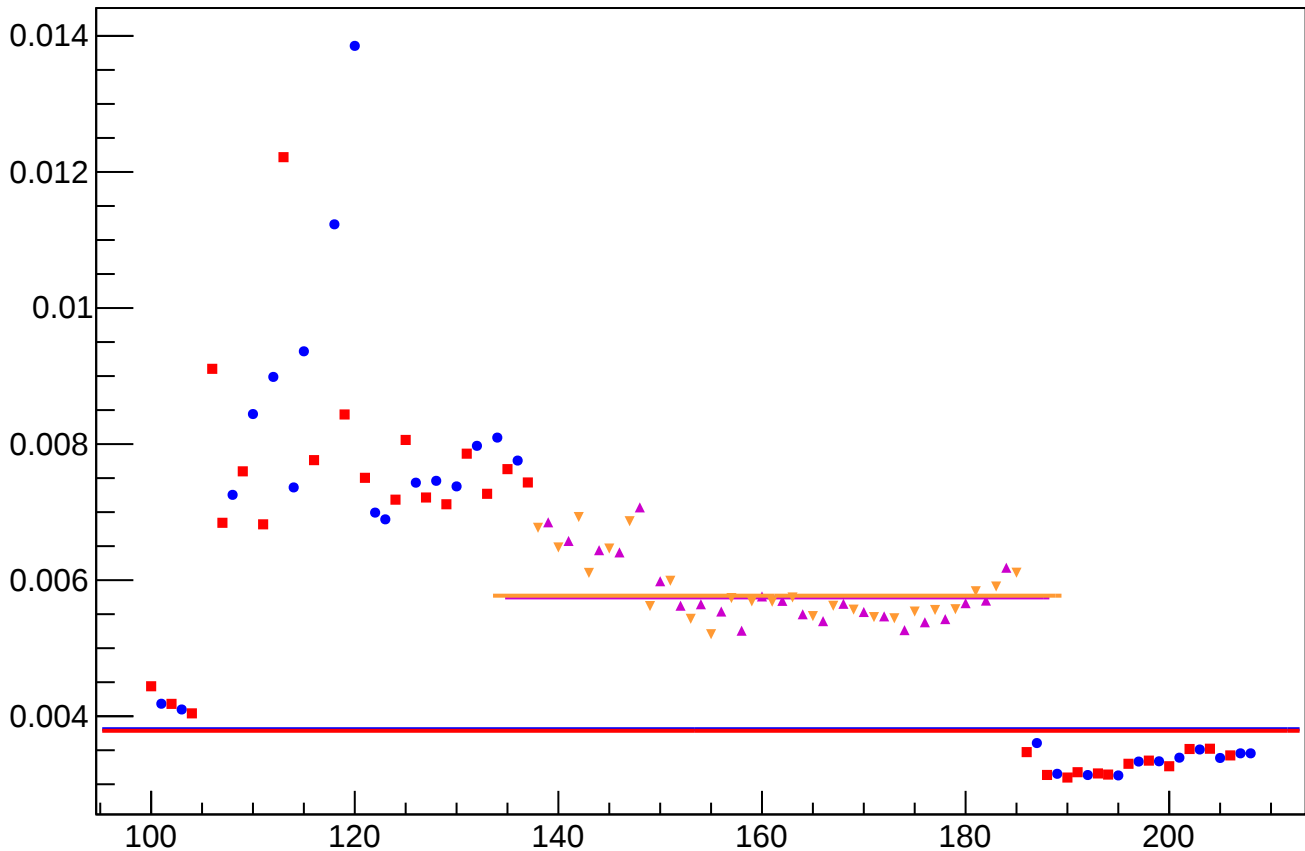
- sign 0.005+/-0.000 χ^2/NDF : 3765581.8/53

yield_bpm0l05X_mean vs Slug



Right In: 0.616+/-0.000	χ^2/NDF : 40613158150.1/27	+ sign 0.340+/-0.000	χ^2/NDF : 705633080261.6/52
Left Out: -0.095+/-0.000	χ^2/NDF : 505606573631.9/24	All: 0.357+/-0.000	χ^2/NDF : 1288433051386.
Right Out: 0.595+/-0.000	χ^2/NDF : 45999523469.7/30	- sign 0.373+/-0.000	χ^2/NDF : 582069661716.4/53
Left In: -0.019+/-0.000	χ^2/NDF : 417104863944.5/22		

yield_bpm0l05X_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 3125517.6/27

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:177680.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 3151286.3/30

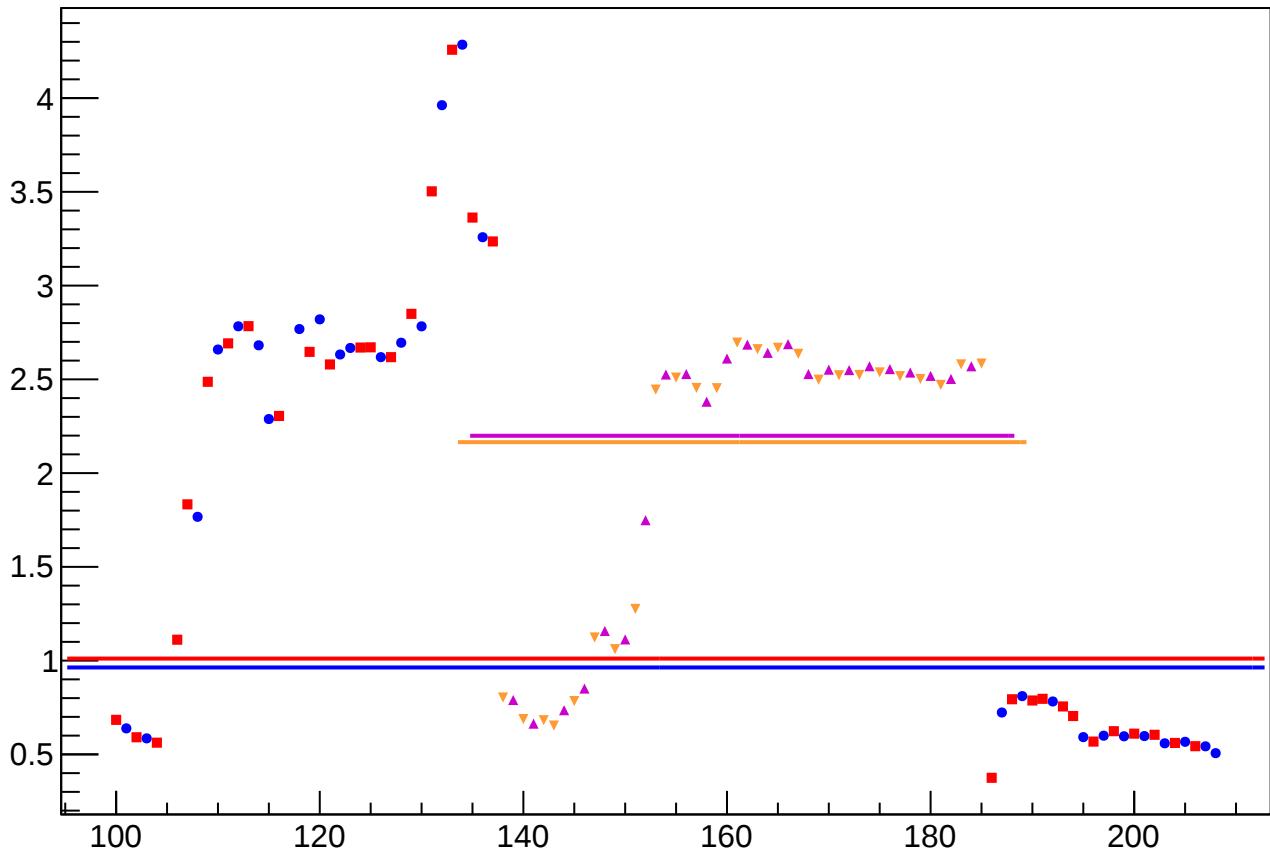
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:204066.4/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 5736145.7/52

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 11524823.0/106

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 5780781.7/53

yield_bpm0l05Y_mean vs Slug



Right In: 0.963 $\pm$ 0.000 χ^2 /NDF: 297811750794.3/27

Left Out: 2.165 $\pm$ 0.000 χ^2 /NDF: 292800056899.6/24

Right Out: 1.011 $\pm$ 0.000 χ^2 /NDF: 340796673715.9/30

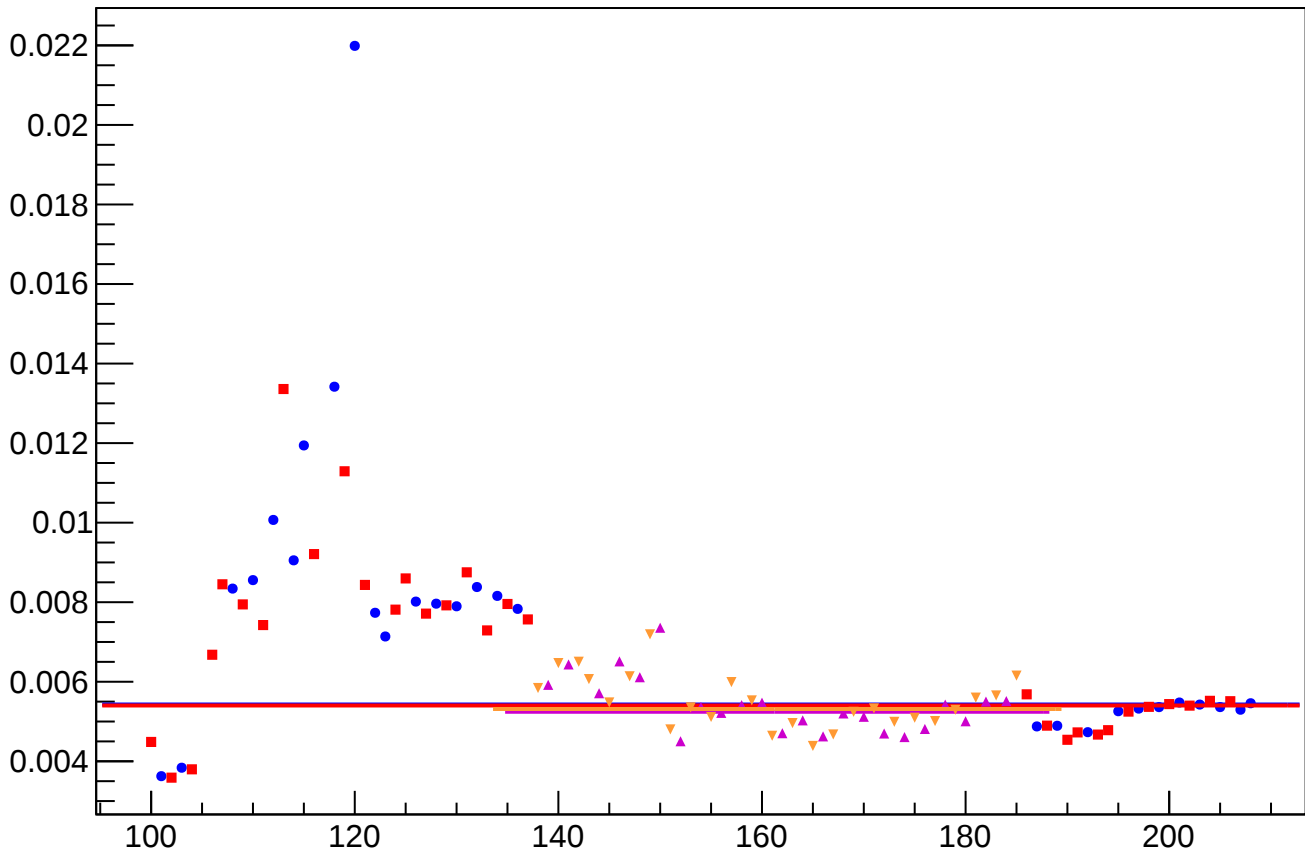
Left In: 2.199 $\pm$ 0.000 χ^2 /NDF: 253166239065.4/22

+ sign 1.667 $\pm$ 0.000 χ^2 /NDF: 942174806983.7/52

All: 1.673 $\pm$ 0.000 χ^2 /NDF: 1889809059077.

- sign 1.679 $\pm$ 0.000 χ^2 /NDF: 947558337165.2/53

yield_bpm0l05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 2006199.8/27

Left Out: 0.005+/-0.000 χ^2/NDF :398795.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1877587.4/30

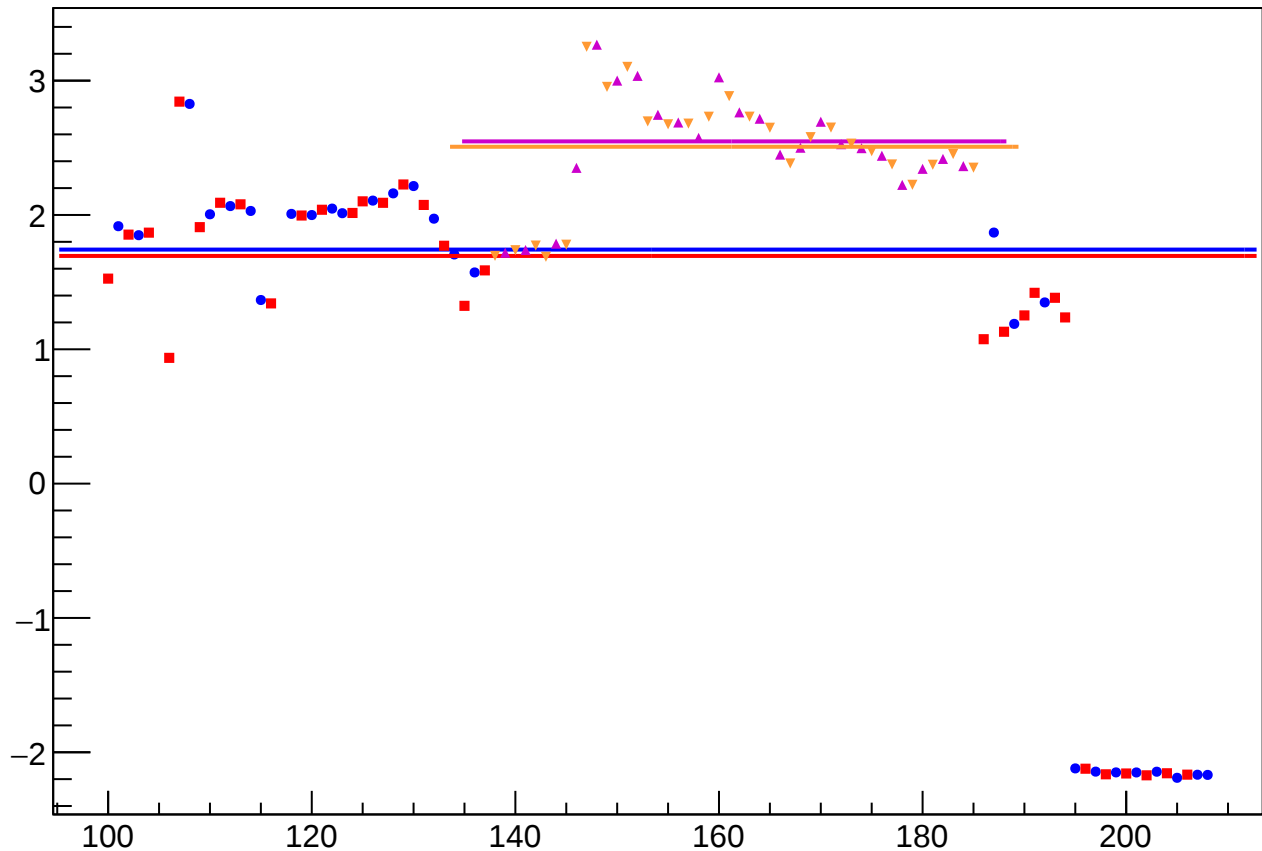
Left In: 0.005+/-0.000 χ^2/NDF :425864.8/22

+ sign 0.005+/-0.000 χ^2/NDF : 2411178.6/52

All: 0.005+/-0.000 χ^2/NDF : 4729361.3/106

- sign 0.005+/-0.000 χ^2/NDF : 2315914.0/53

yield_bpm0l06X_mean vs Slug



Right In: 1.742 $\pm$ 0.000 χ^2 /NDF: 146053162422.0/27

Left Out: 2.508 $\pm$ 0.000 χ^2 /NDF: 52355332406.0/24

Right Out: 1.695 $\pm$ 0.000 χ^2 /NDF: 124567020173.7/30

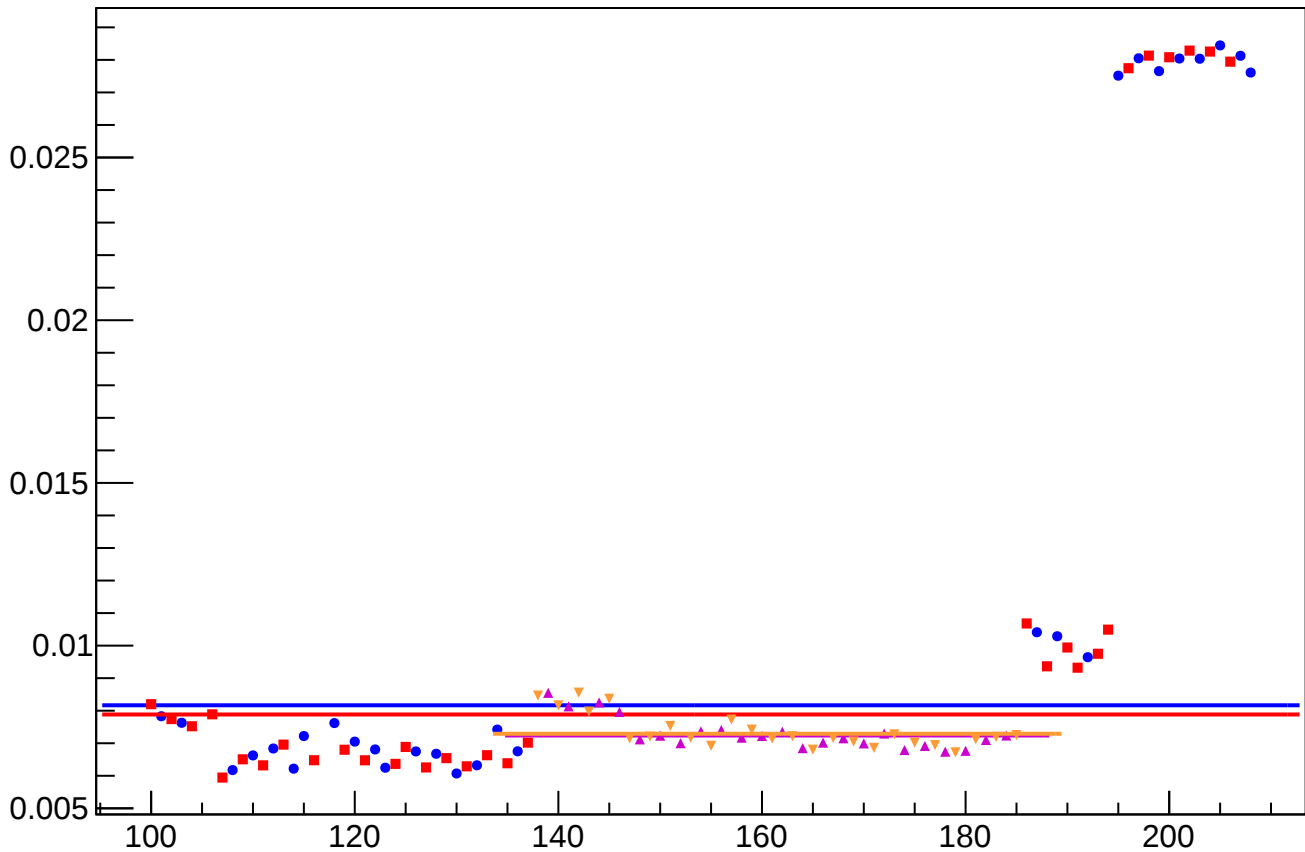
Left In: 2.548 $\pm$ 0.000 χ^2 /NDF: 45350336058.7/22

+ sign 2.258 $\pm$ 0.000 χ^2 /NDF: 261318692048.9/52

All: 2.242 $\pm$ 0.000 χ^2 /NDF: 518175560635.1

- sign 2.227 $\pm$ 0.000 χ^2 /NDF: 256622844411.3/53

yield_bpm0l06X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 6893780.4/27

Left Out: 0.007+/-0.000 χ^2/NDF :140788.4/24

Right Out: 0.008+/-0.000 χ^2/NDF : 5539148.0/30

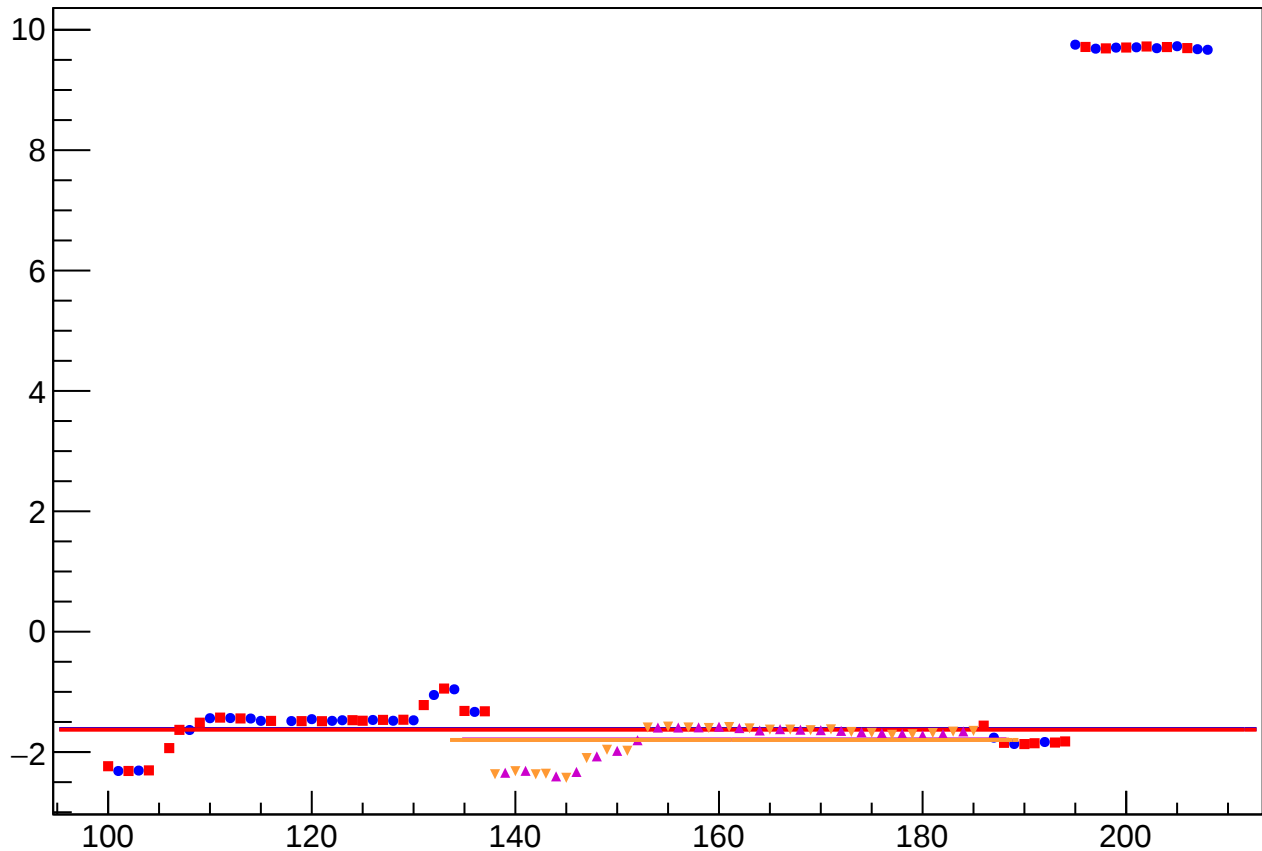
Left In: 0.007+/-0.000 χ^2/NDF :125233.2/22

+ sign 0.008+/-0.000 χ^2/NDF : 7198982.1/52

All: 0.008+/-0.000 χ^2/NDF : 12967378.1/106

- sign 0.007+/-0.000 χ^2/NDF : 5763747.1/53

yield_bpm0l06Y_mean vs Slug



Right In: -1.617+/-0.000 χ^2/NDF : 359150240835.8/27

Left Out: -1.799+/-0.000 χ^2/NDF : 185362087438.8/24

Right Out: -1.628+/-0.000 χ^2/NDF : 315395462203.2/30

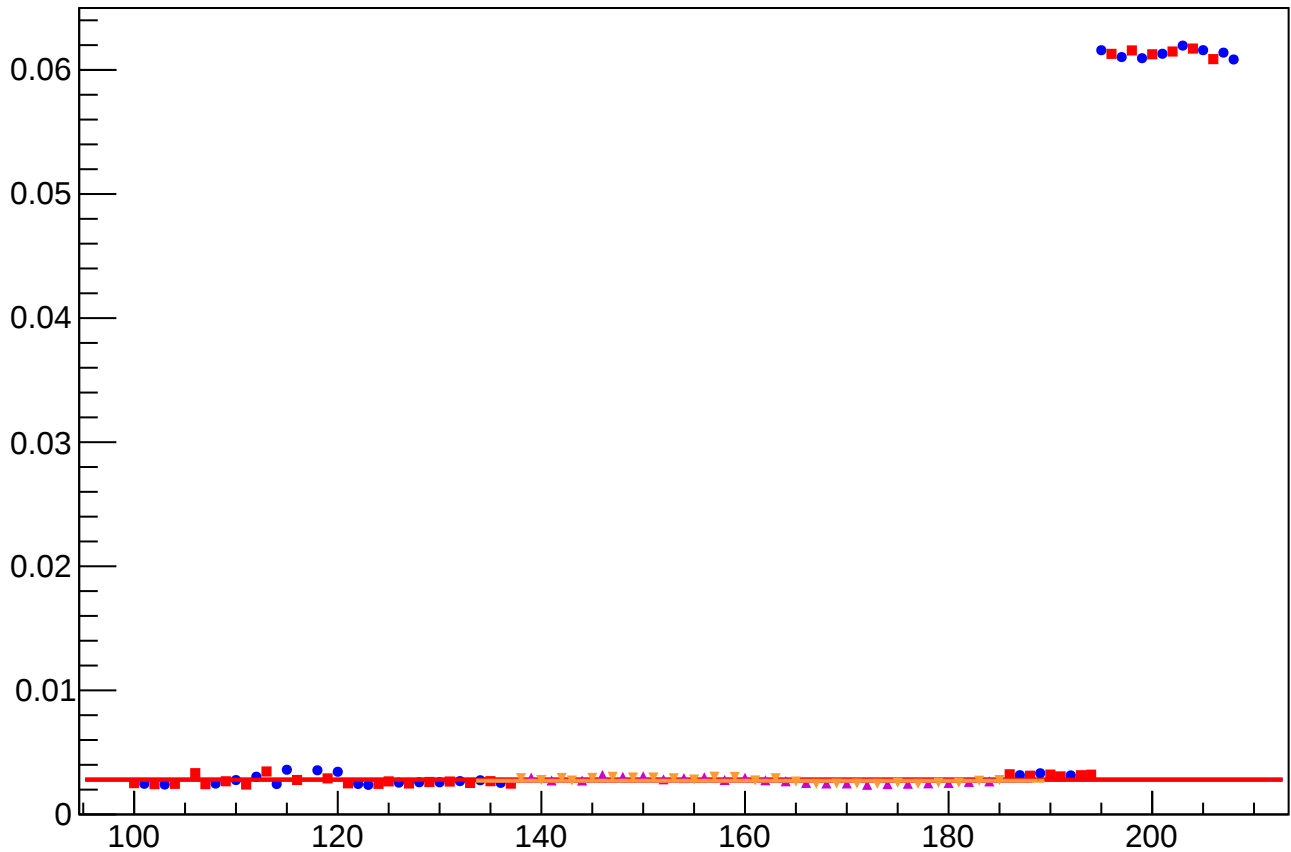
Left In: -1.790+/-0.000 χ^2/NDF : 159648935510.8/22

+ sign -1.743+/-0.000 χ^2/NDF : 568534522214.3/52

All: -1.737+/-0.000 χ^2/NDF : 1065370493825

- sign -1.732+/-0.000 χ^2/NDF : 496600163763.0/53

yield_bpm0l06Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 11570390.5/27

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:199695.2/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 8614346.6/30

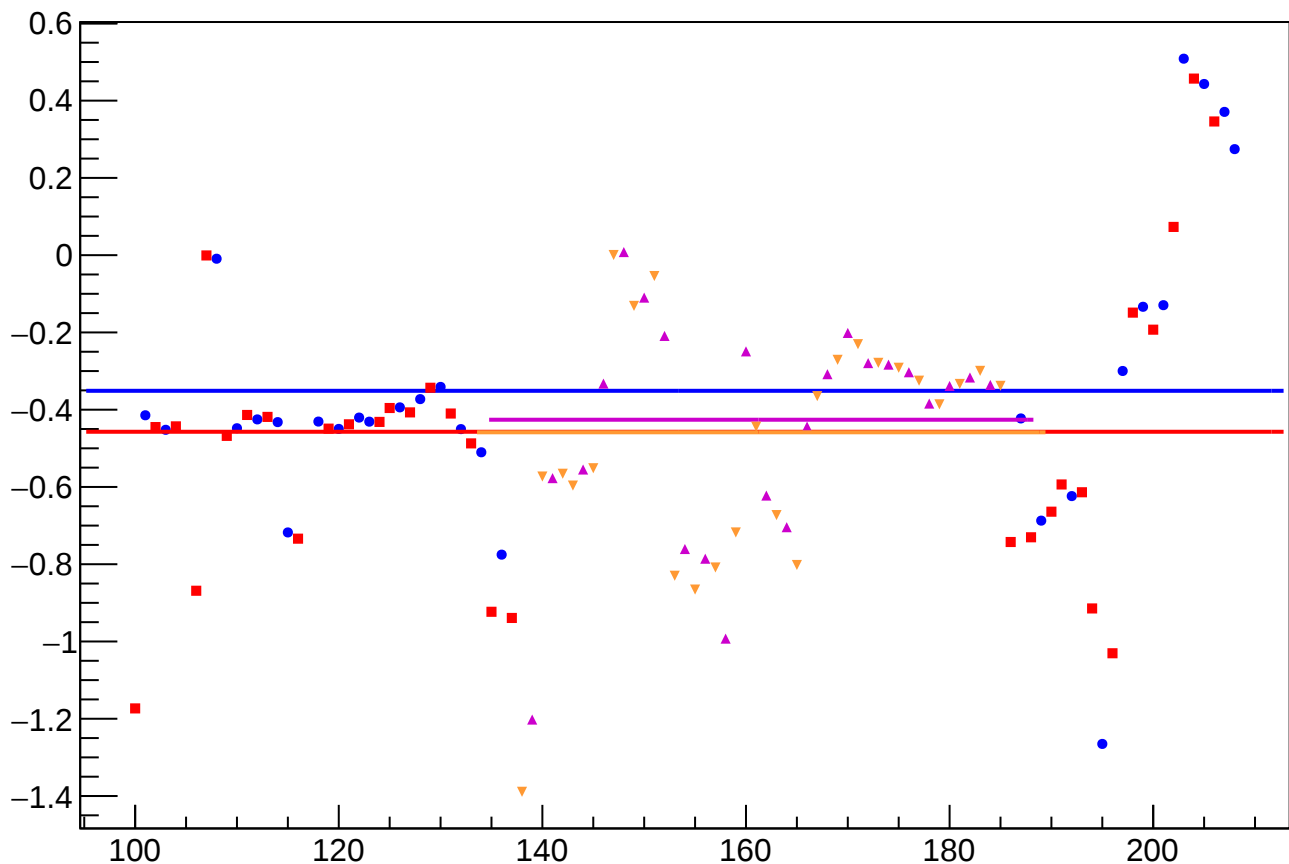
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:220327.9/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 11783018.0/52

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 20634064.6/106

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 8850661.6/53

yield_bpm0l07X_mean vs Slug



Right In: -0.351 ± 0.000 $\chi^2/\text{NDF}: 10024211695.0/27$

Left Out: -0.459 ± 0.000 $\chi^2/\text{NDF}: 9916462814.9/24$

Right Out: -0.457 ± 0.000 $\chi^2/\text{NDF}: 8773684520.8/30$

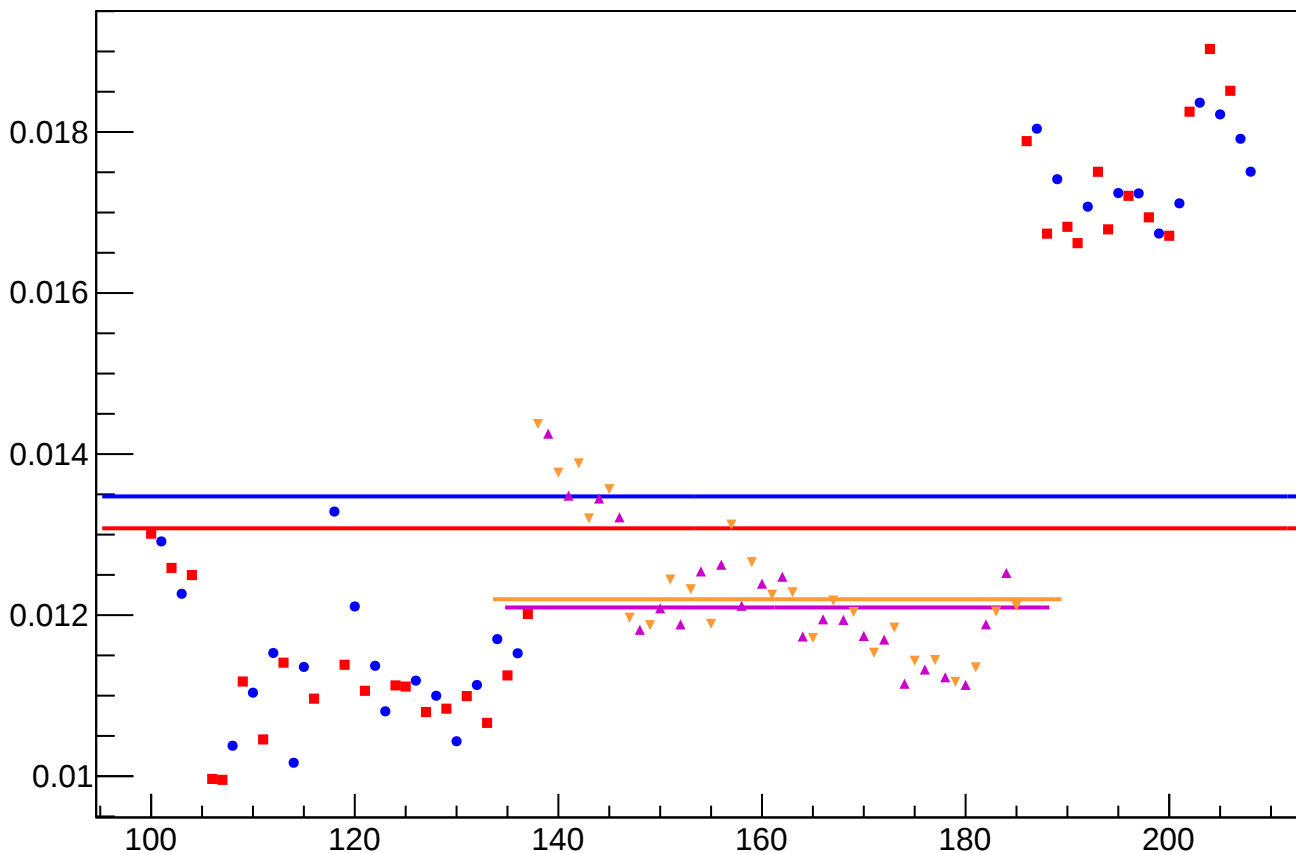
Left In: -0.426 ± 0.000 $\chi^2/\text{NDF}: 8424222576.0/22$

+ sign -0.417 ± 0.000 $\chi^2/\text{NDF}: 20465393193.6/52$

All: -0.428 ± 0.000 $\chi^2/\text{NDF}: 37756034944.1/100$

- sign -0.439 ± 0.000 $\chi^2/\text{NDF}: 17244114901.2/53$

yield_bpm0l07X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 1263327.5/27

Left Out: 0.012+/-0.000 χ^2/NDF : 141850.9/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1474444.5/30

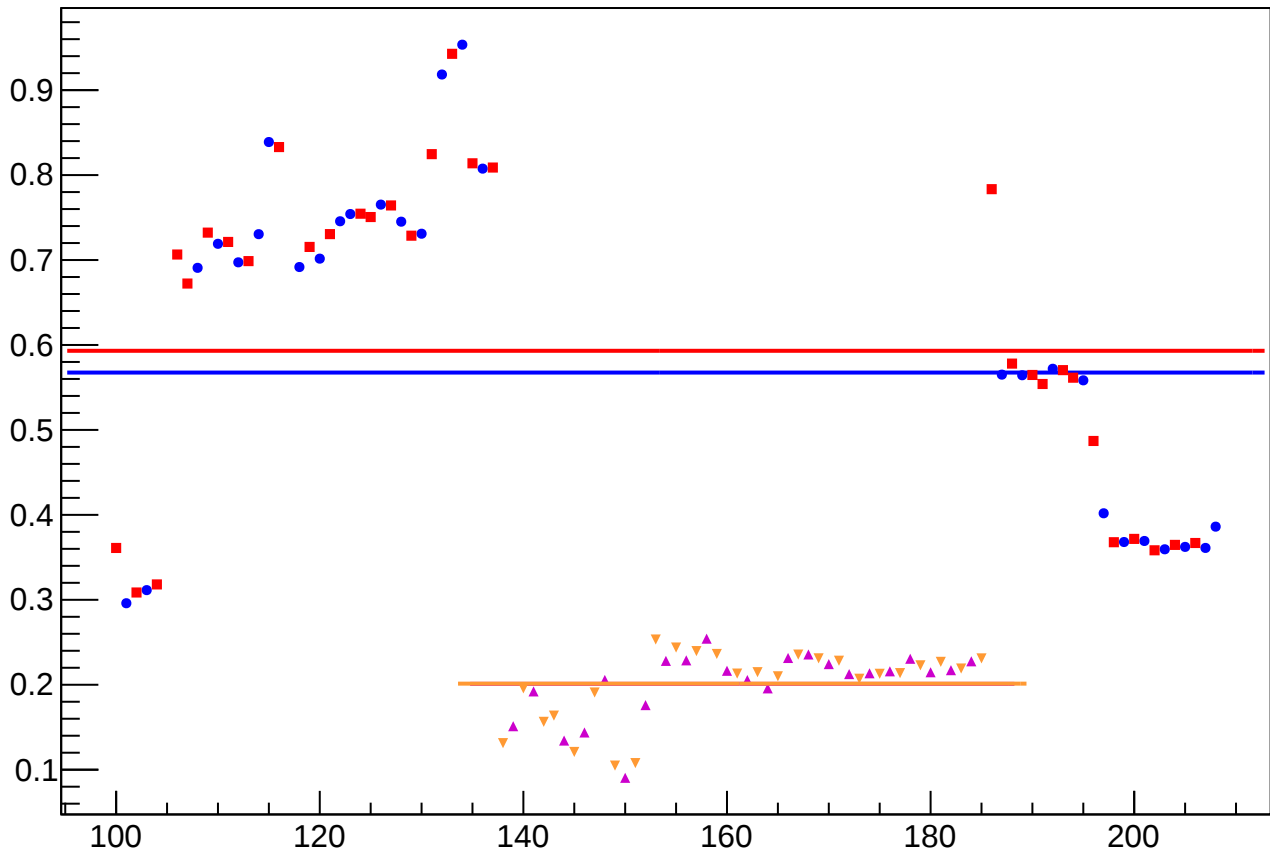
Left In: 0.012+/-0.000 χ^2/NDF : 127308.3/22

+ sign 0.013+/-0.000 χ^2/NDF : 1553534.4/52

All: 0.013+/-0.000 χ^2/NDF : 3253745.9/106

- sign 0.013+/-0.000 χ^2/NDF : 1693847.4/53

yield_bpm0l07Y_mean vs Slug



Right In: 0.568 $\pm$ 0.000 χ^2 /NDF: 72715260747.5/27

Left Out: 0.201 $\pm$ 0.000 χ^2 /NDF: 7090760823.7/24

+ sign 0.317 $\pm$ 0.000 χ^2 /NDF: 251471454280.6/52

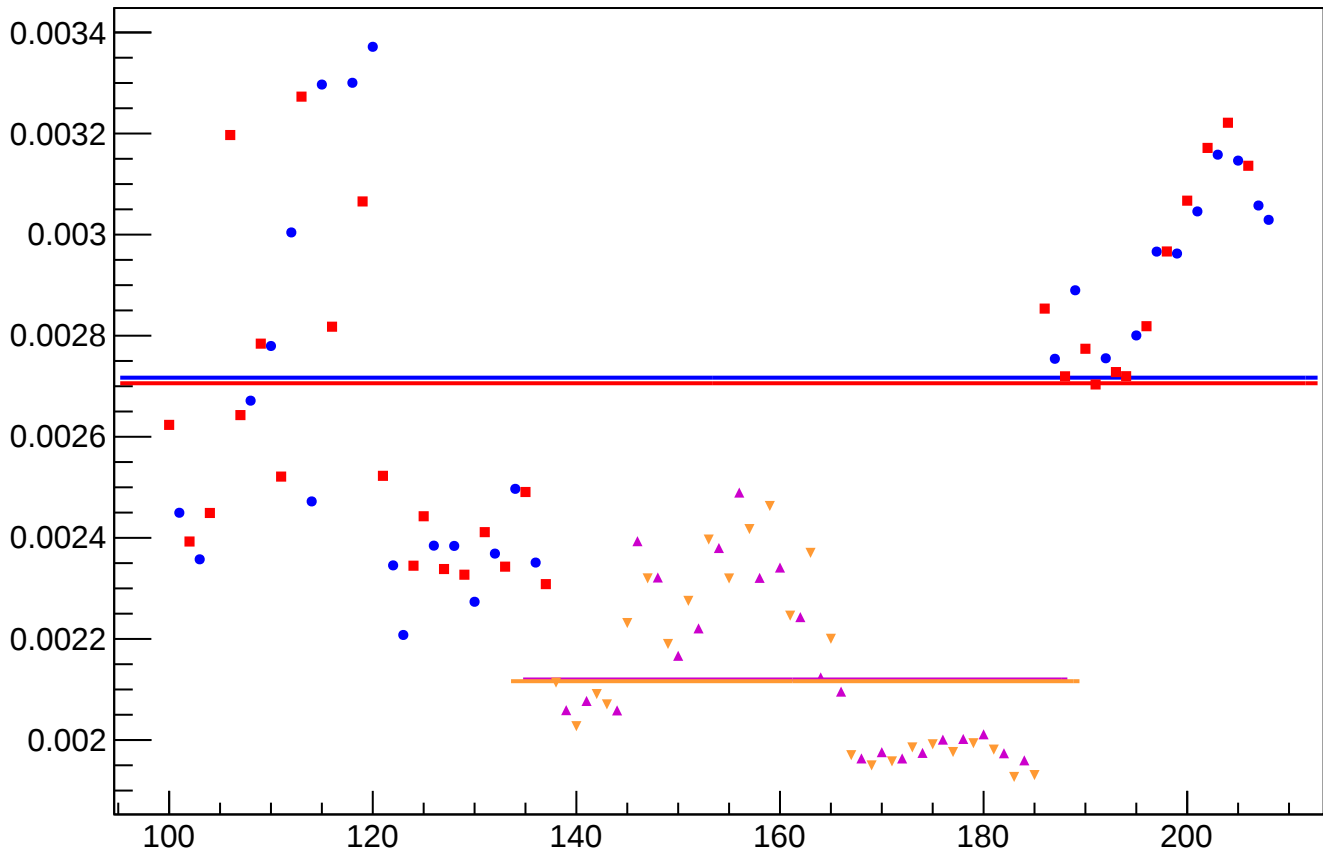
Right Out: 0.593 $\pm$ 0.000 χ^2 /NDF: 67616445298.7/30

All: 0.326 $\pm$ 0.000 χ^2 /NDF: 525305366409.8

Left In: 0.201 $\pm$ 0.000 χ^2 /NDF: 5671770181.2/22

- sign 0.335 $\pm$ 0.000 χ^2 /NDF: 272932261416.6/53

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 400882.9/27

Left Out: 0.002+/-0.000 χ^2/NDF :224498.3/24

Right Out: 0.003+/-0.000 χ^2/NDF : 323516.7/30

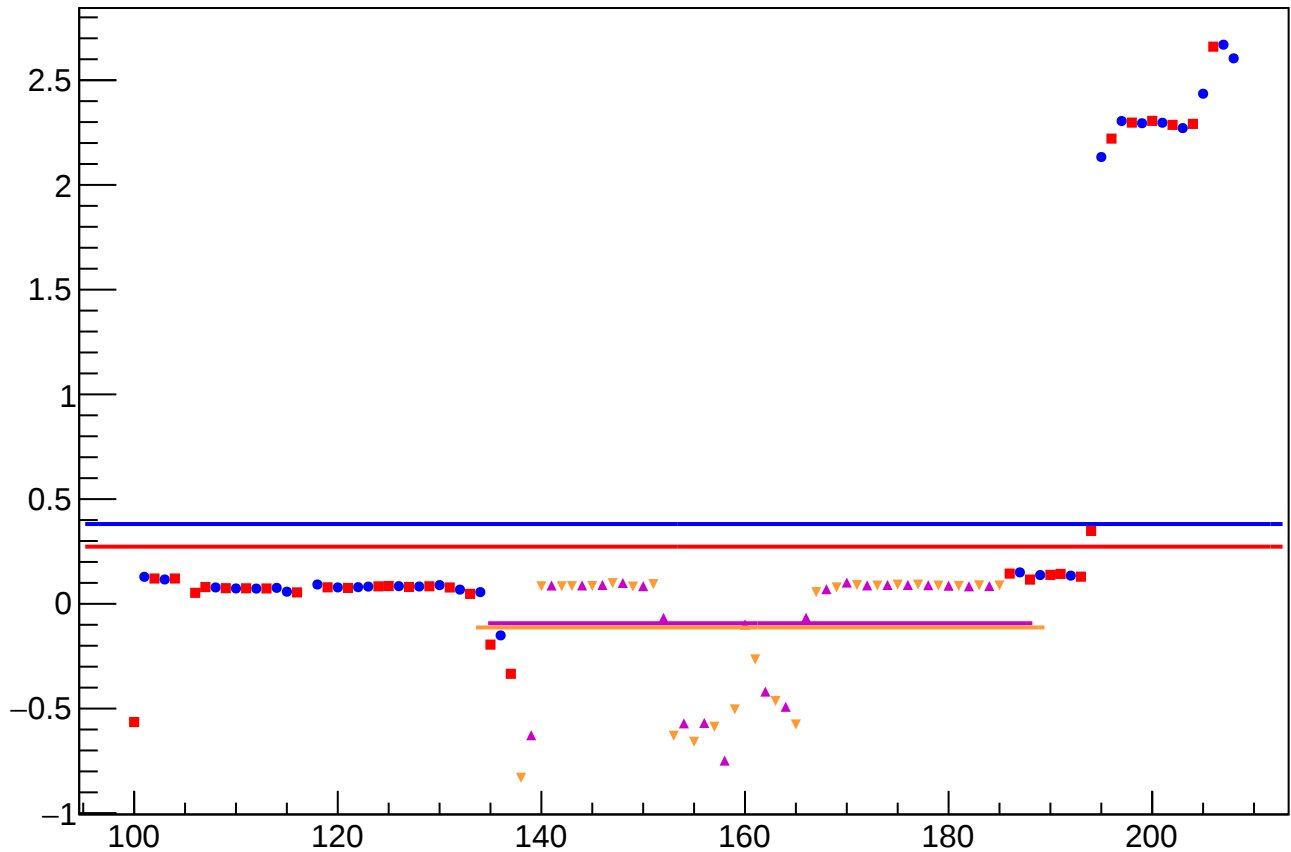
Left In: 0.002+/-0.000 χ^2/NDF :189228.6/22

+ sign 0.002+/-0.000 χ^2/NDF : 1548736.1/52

All: 0.002+/-0.000 χ^2/NDF : 2954671.5/106

- sign 0.002+/-0.000 χ^2/NDF : 1404910.1/53

yield_bpm0l08X_mean vs Slug



Right In: 0.381 ± 0.000 χ^2/NDF : 54856991333.1/27

Left Out: -0.113 ± 0.000 χ^2/NDF : 13667354077.1/24

Right Out: 0.273 ± 0.000 χ^2/NDF : 44204470779.7/30

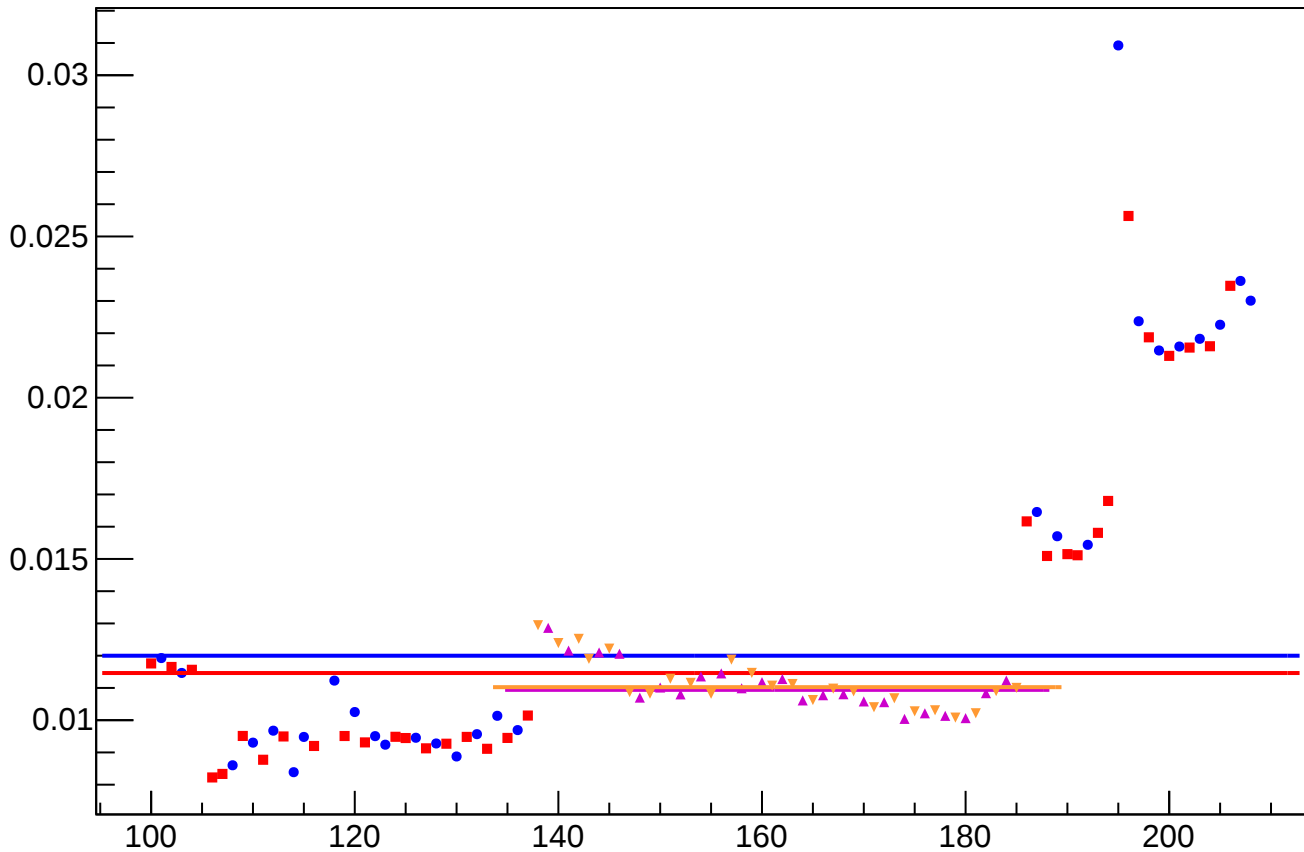
Left In: -0.093 ± 0.000 χ^2/NDF : 11051944893.7/22

+ sign 0.070 ± 0.000 χ^2/NDF : 81589535148.6/52

All: 0.065 ± 0.000 χ^2/NDF : 144610789745.2

- sign 0.060 ± 0.000 χ^2/NDF : 63010048571.1/53

yield_bpm0l08X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 3852924.6/27

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:141501.7/24

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 3450502.6/30

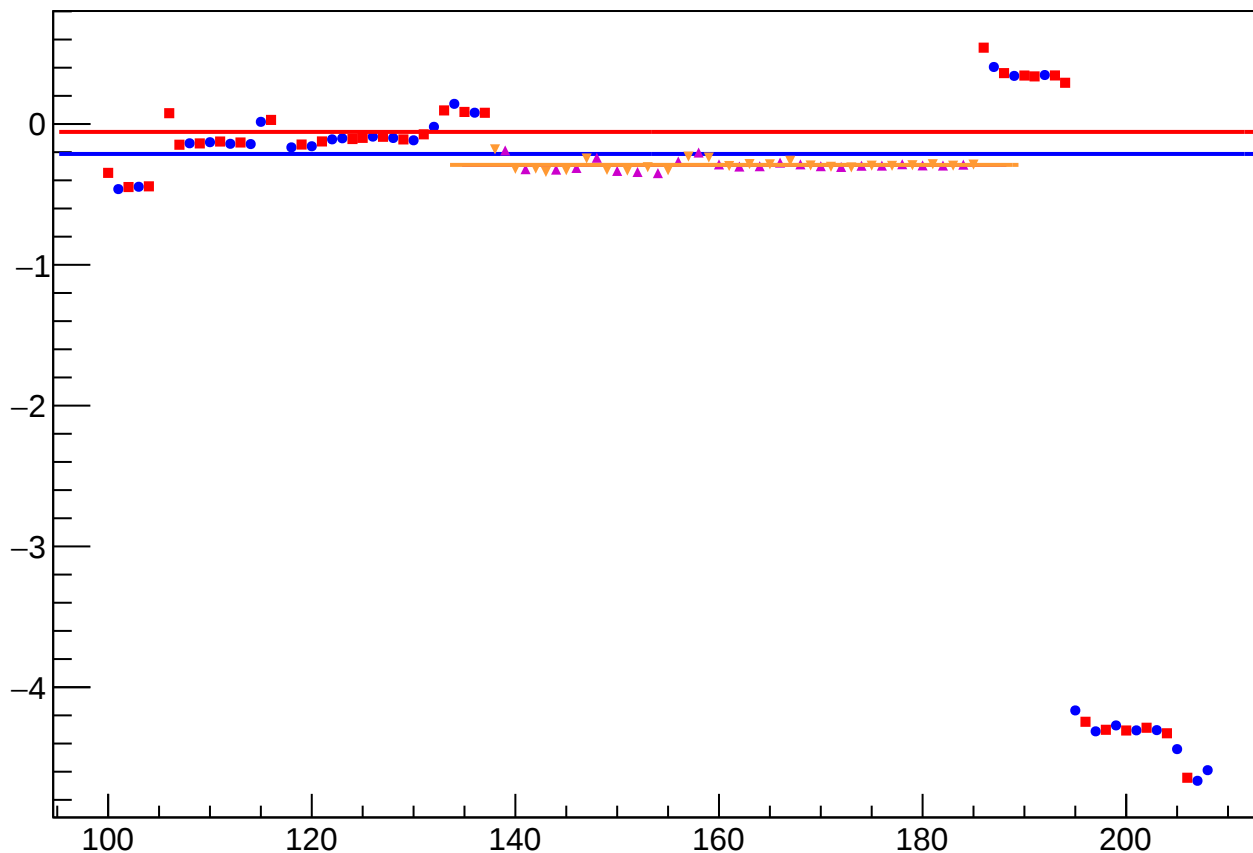
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:128914.2/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 4096341.3/52

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 7719291.3/106

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3610984.8/53

yield_bpm0l08Y_mean vs Slug



Right In: -0.213 ± 0.000 χ^2/NDF : 338172374161.0/27

Left Out: -0.290 ± 0.000 χ^2/NDF : 2877519093.0/24

Right Out: -0.056 ± 0.000 χ^2/NDF : 293243949339.9/30

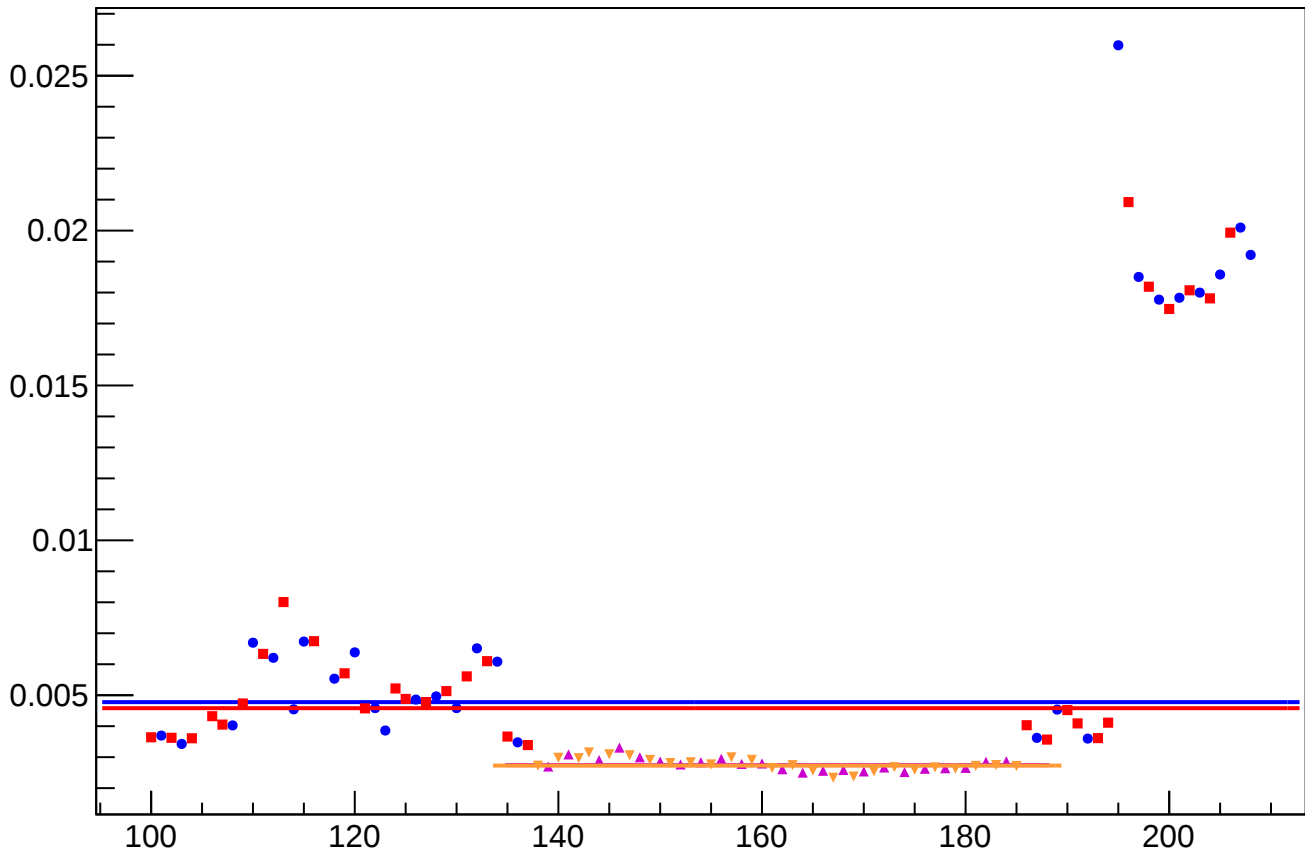
Left In: -0.291 ± 0.000 χ^2/NDF : 3125402243.3/22

+ sign -0.278 ± 0.000 χ^2/NDF : 343234611809.5/52

All: -0.262 ± 0.000 χ^2/NDF : 664685906178.8

- sign -0.245 ± 0.000 χ^2/NDF : 319955733393.7/53

yield_bpm0l08Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 7979409.5/27

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:206527.1/24

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 6106123.6/30

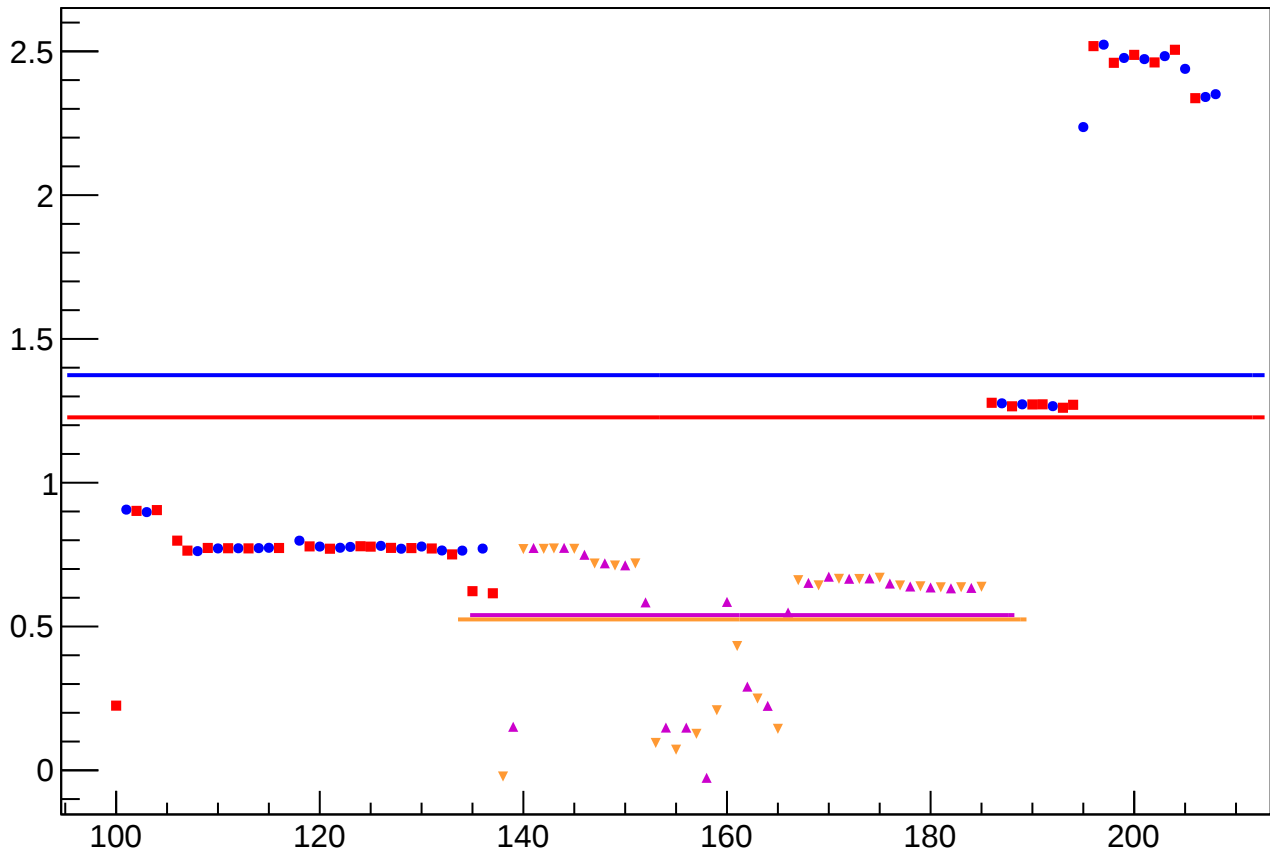
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:147778.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 11224742.1/52

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 20376679.8/106

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 9143115.3/53

yield_bpm0l09X_mean vs Slug



Right In: 1.374 $\pm$ 0.000 χ^2 /NDF: 52556812319.5/27

Left Out: 0.525 $\pm$ 0.000 χ^2 /NDF: 9623503169.9/24

+ sign 0.841 $\pm$ 0.000 χ^2 /NDF: 103125545741.4/52

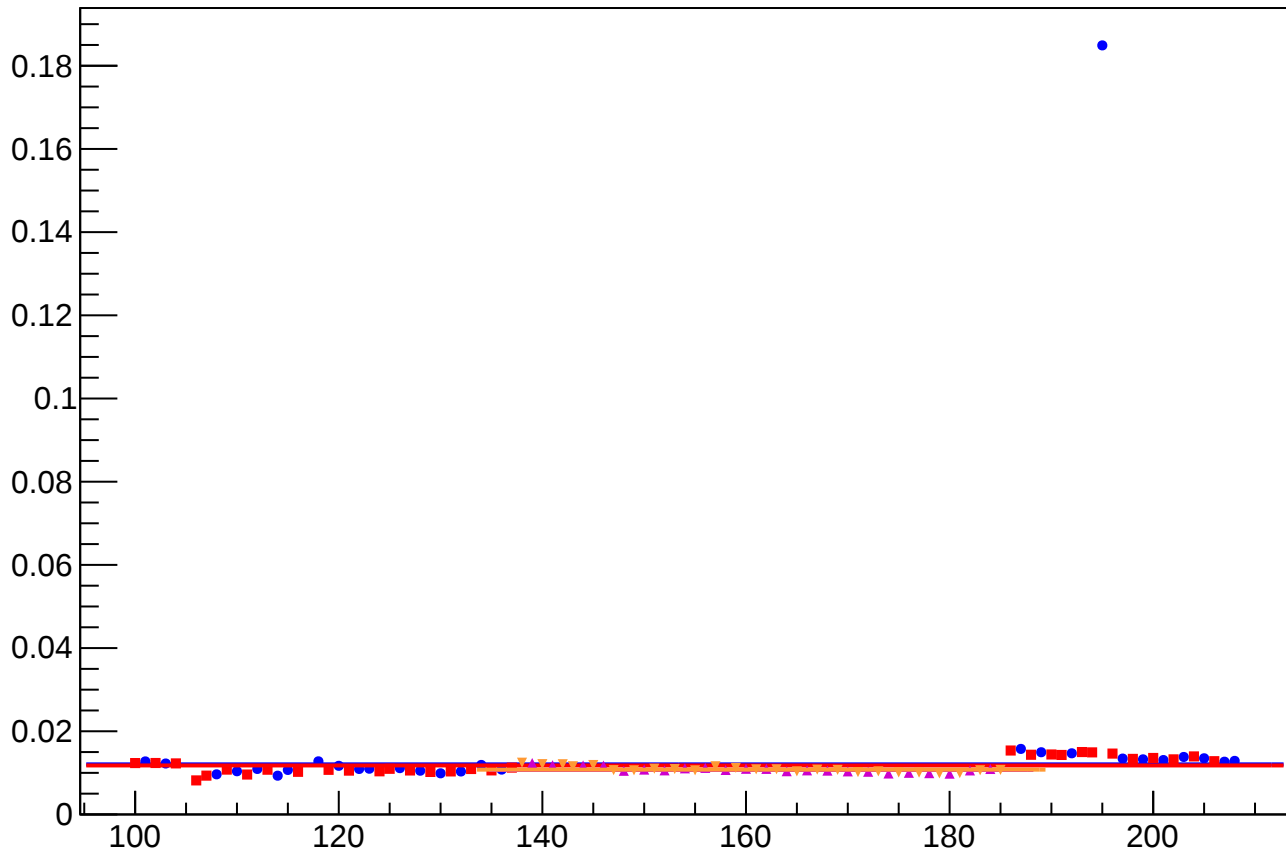
Right Out: 1.227 $\pm$ 0.000 χ^2 /NDF: 47683675613.4/30

All: 0.830 $\pm$ 0.000 χ^2 /NDF: 186780345367.1

Left In: 0.540 $\pm$ 0.000 χ^2 /NDF: 7860539135.5/22

- sign 0.819 $\pm$ 0.000 χ^2 /NDF: 83597575869.0/53

yield_bpm0l09X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1895180.6/27

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:131630.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 720714.7/30

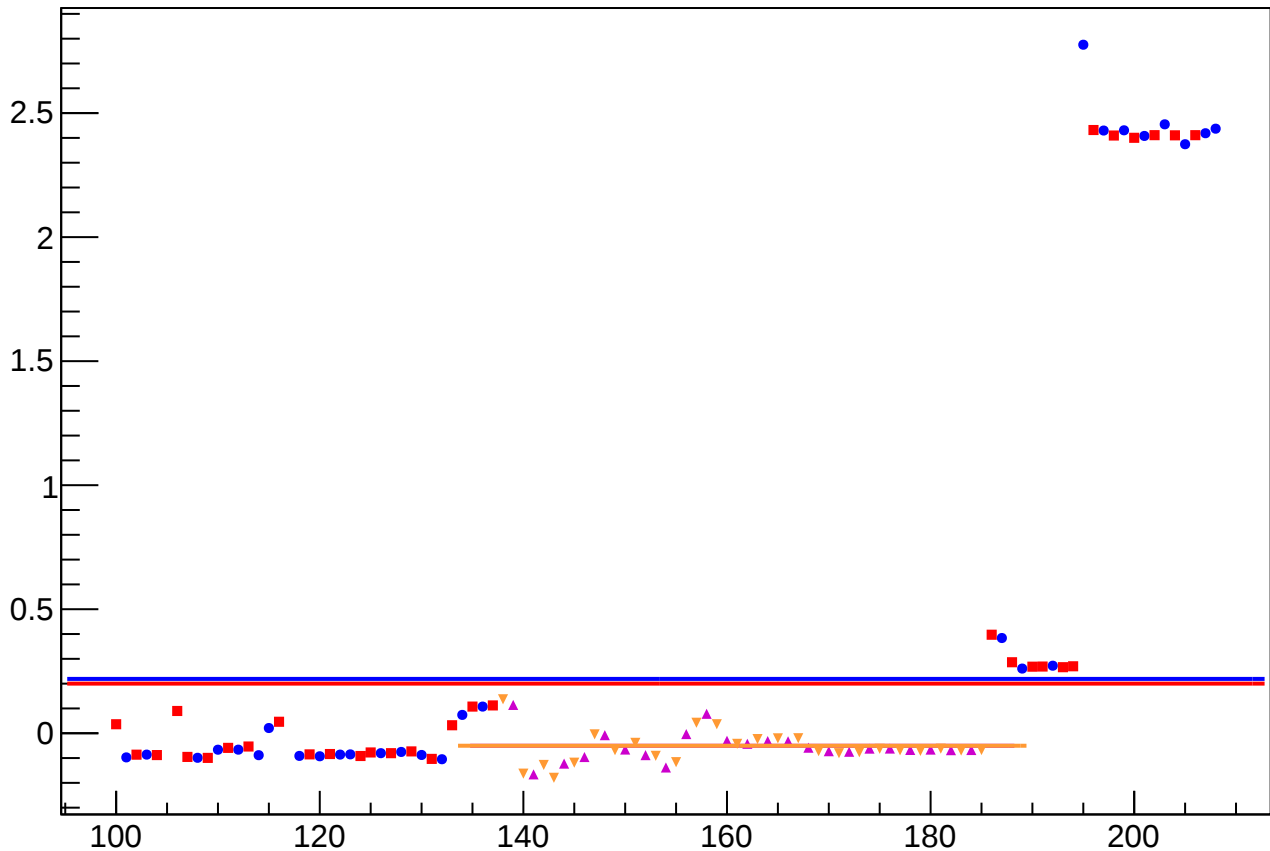
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:119273.2/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2211006.9/52

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3194517.1/106

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 980594.4/53

yield_bpm0l09Y_mean vs Slug



Right In: 0.219 $\pm$ 0.000 χ^2 /NDF: 177790903331.3/27

Left Out: -0.050 $\pm$ 0.000 χ^2 /NDF: 7271496478.6/24

Right Out: 0.200 $\pm$ 0.000 χ^2 /NDF: 137461815590.4/30

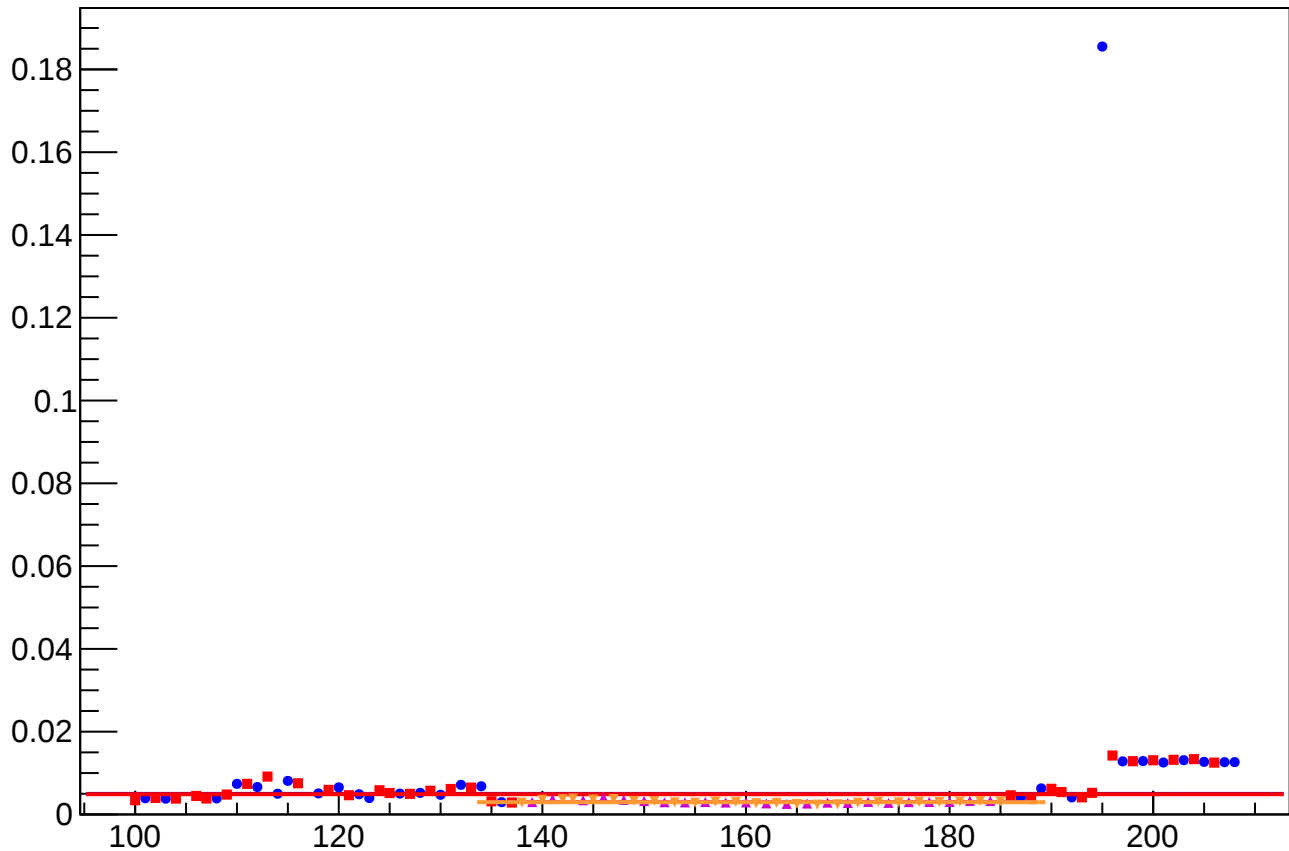
Left In: -0.051 $\pm$ 0.000 χ^2 /NDF: 6128769990.8/22

+ sign -0.004 $\pm$ 0.000 χ^2 /NDF: 209448699454.9/52

All: -0.001 $\pm$ 0.000 χ^2 /NDF: 376230752652.3

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 166753450818.8/53

yield_bpm0l09Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 6841743.6/27

Left Out: 0.003+/-0.000 χ^2/NDF : 499039.1/24

Right Out: 0.005+/-0.000 χ^2/NDF : 4559312.5/30

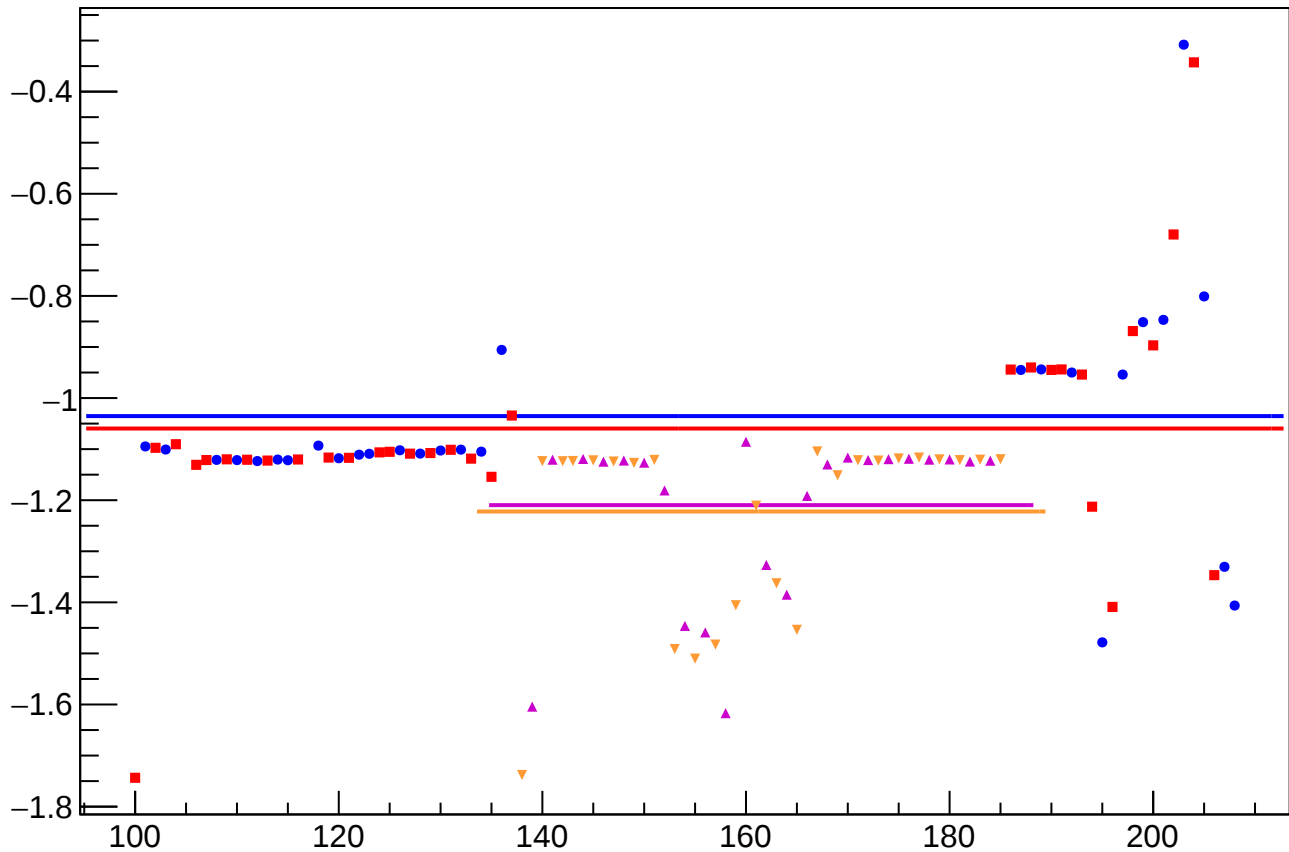
Left In: 0.003+/-0.000 χ^2/NDF : 329068.1/22

+ sign 0.003+/-0.000 χ^2/NDF : 10014590.9/52

All: 0.003+/-0.000 χ^2/NDF : 17529099.1/106

- sign 0.003+/-0.000 χ^2/NDF : 7498251.9/53

yield_bpm0l10X_mean vs Slug



Right In: -1.035+/-0.000 χ^2/NDF : 4945716891.4/27

Left Out: -1.222+/-0.000 χ^2/NDF : 5279548861.3/24

Right Out: -1.060+/-0.000 χ^2/NDF : 4094157306.8/30

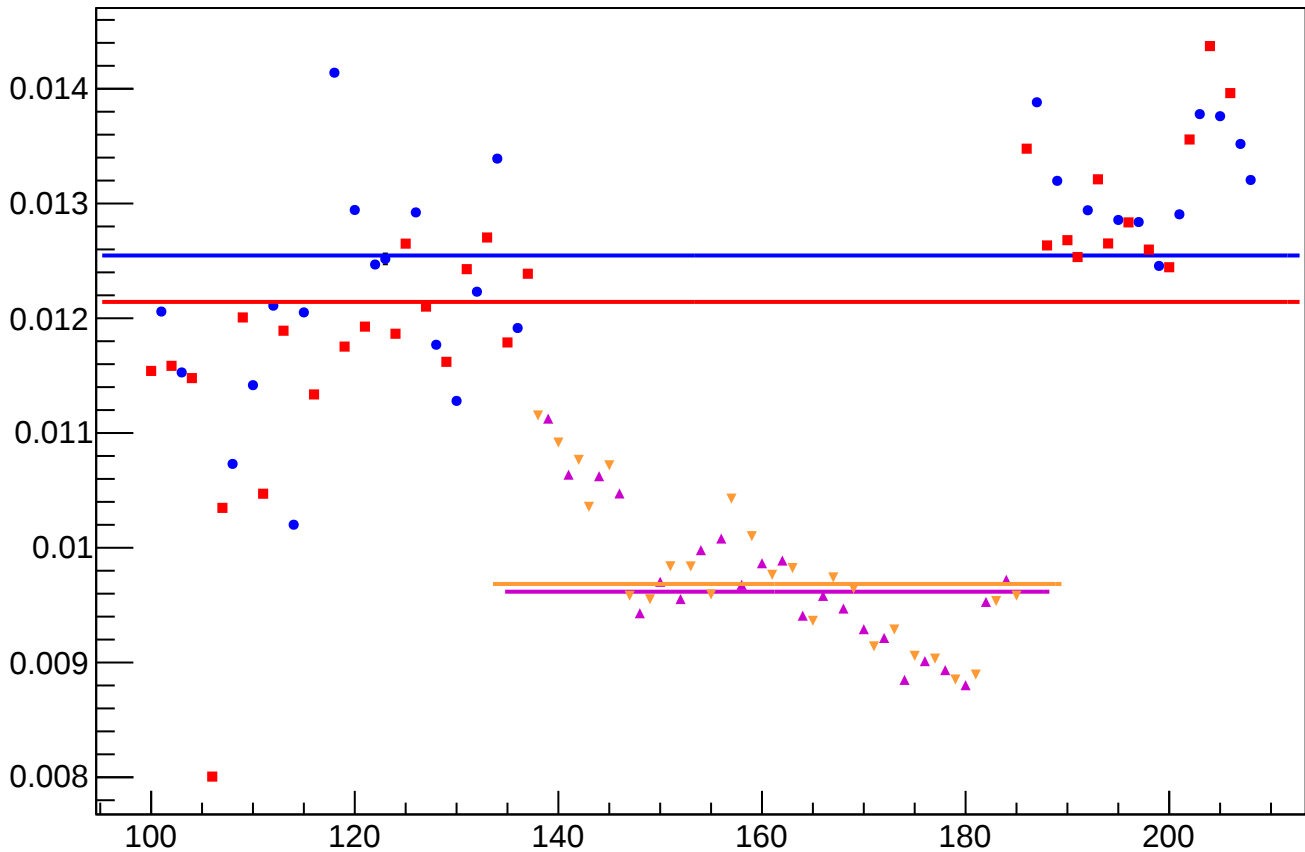
Left In: -1.210+/-0.000 χ^2/NDF : 4502367902.8/22

+ sign -1.163+/-0.000 χ^2/NDF : 12333004996.2/52

All: -1.160+/-0.000 χ^2/NDF : 22374938289.3/53

- sign -1.157+/-0.000 χ^2/NDF : 10037168584.9/53

yield_bpm0l10X_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 132283.8/27

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:134863.6/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 319826.7/30

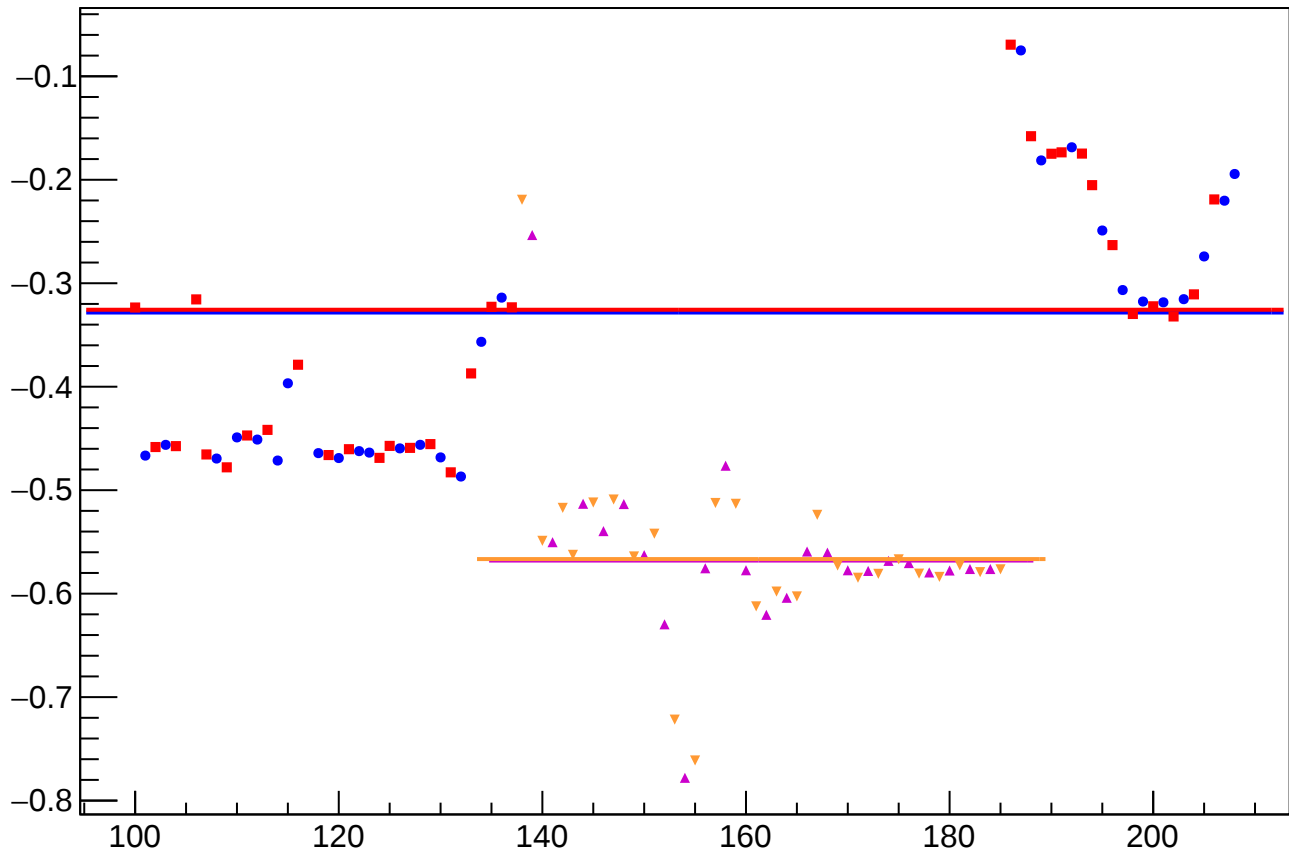
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:119823.1/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1257017.1/52

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 2515081.1/106

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1255860.0/53

yield_bpm0l10Y_mean vs Slug



Right In: -0.328+/-0.000 χ^2/NDF : 9962241779.4/27

Left Out: -0.567+/-0.000 χ^2/NDF :13368458519.3/24

Right Out: -0.326+/-0.000 χ^2/NDF : 11258824622.0/30

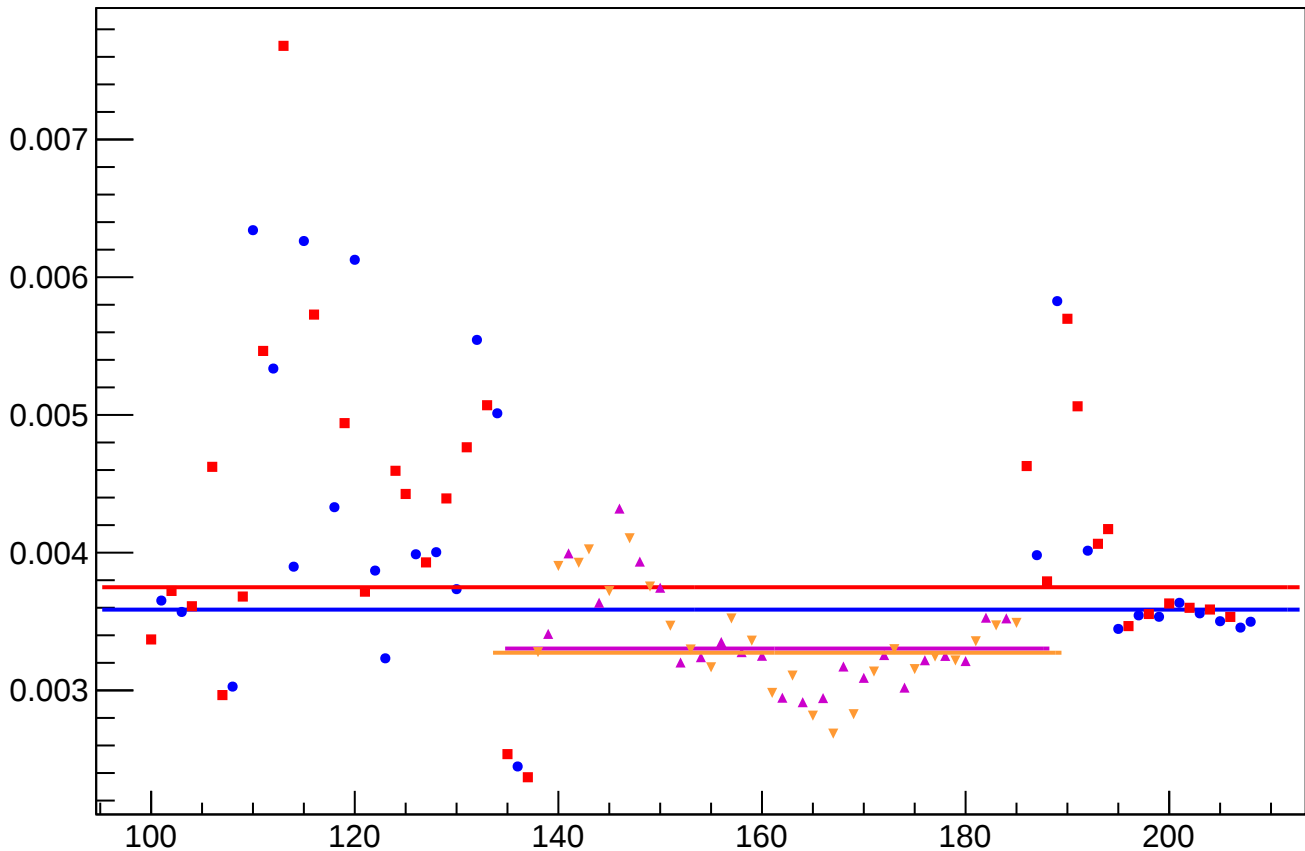
Left In: -0.568+/-0.000 χ^2/NDF :10458990019.9/22

+ sign -0.475+/-0.000 χ^2/NDF : 58294344593.0/52

All: -0.474+/-0.000 χ^2/NDF : 114152058013.7

- sign -0.473+/-0.000 χ^2/NDF : 55851561360.3/53

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 997939.1/27

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:394865.4/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1071370.3/30

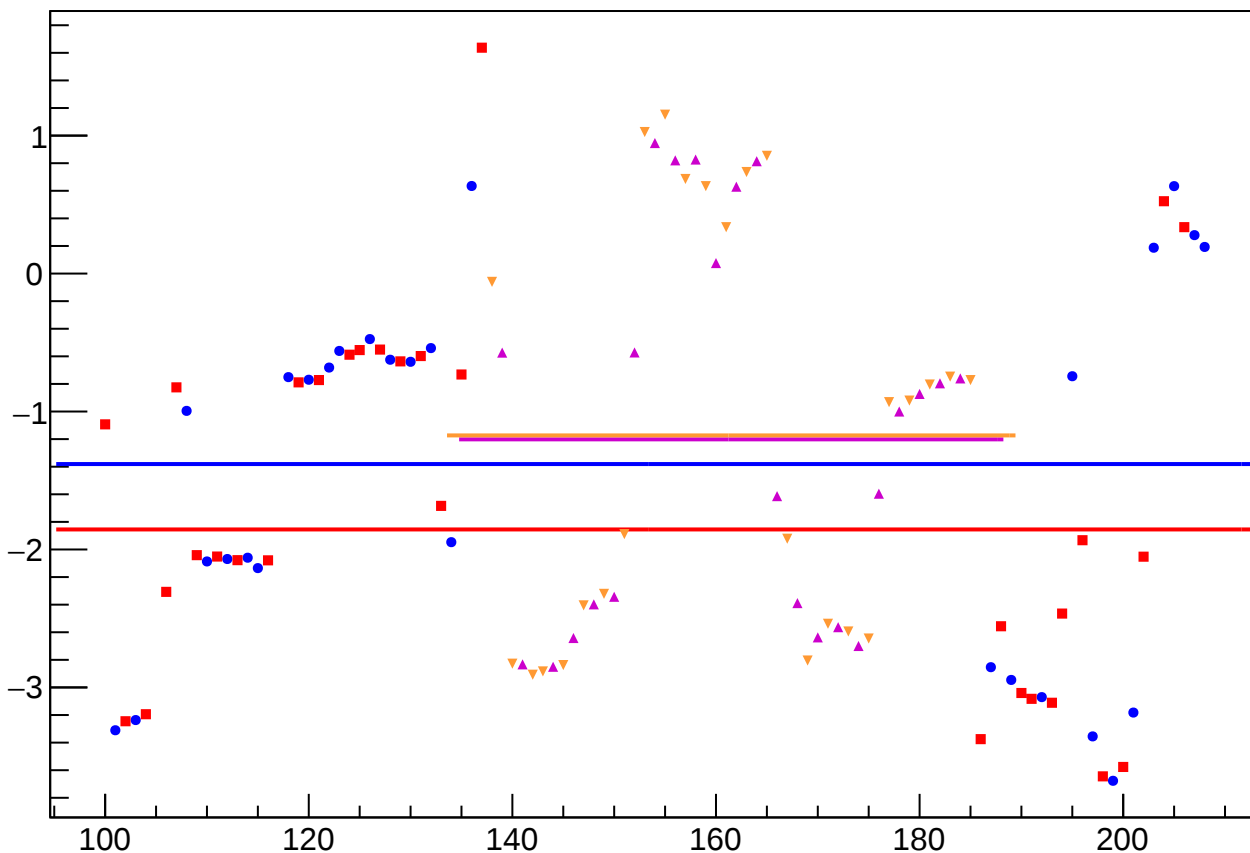
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:286064.1/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1513449.7/52

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3119370.2/106

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1587778.0/53

yield_bpm0r03X_mean vs Slug



Right In: -1.381+/-0.000 χ^2/NDF : 5776956239.3/27

Left Out: -1.173+/-0.000 χ^2/NDF : 6882684653.2/24

Right Out: -1.855+/-0.000 χ^2/NDF : 4636093338.0/30

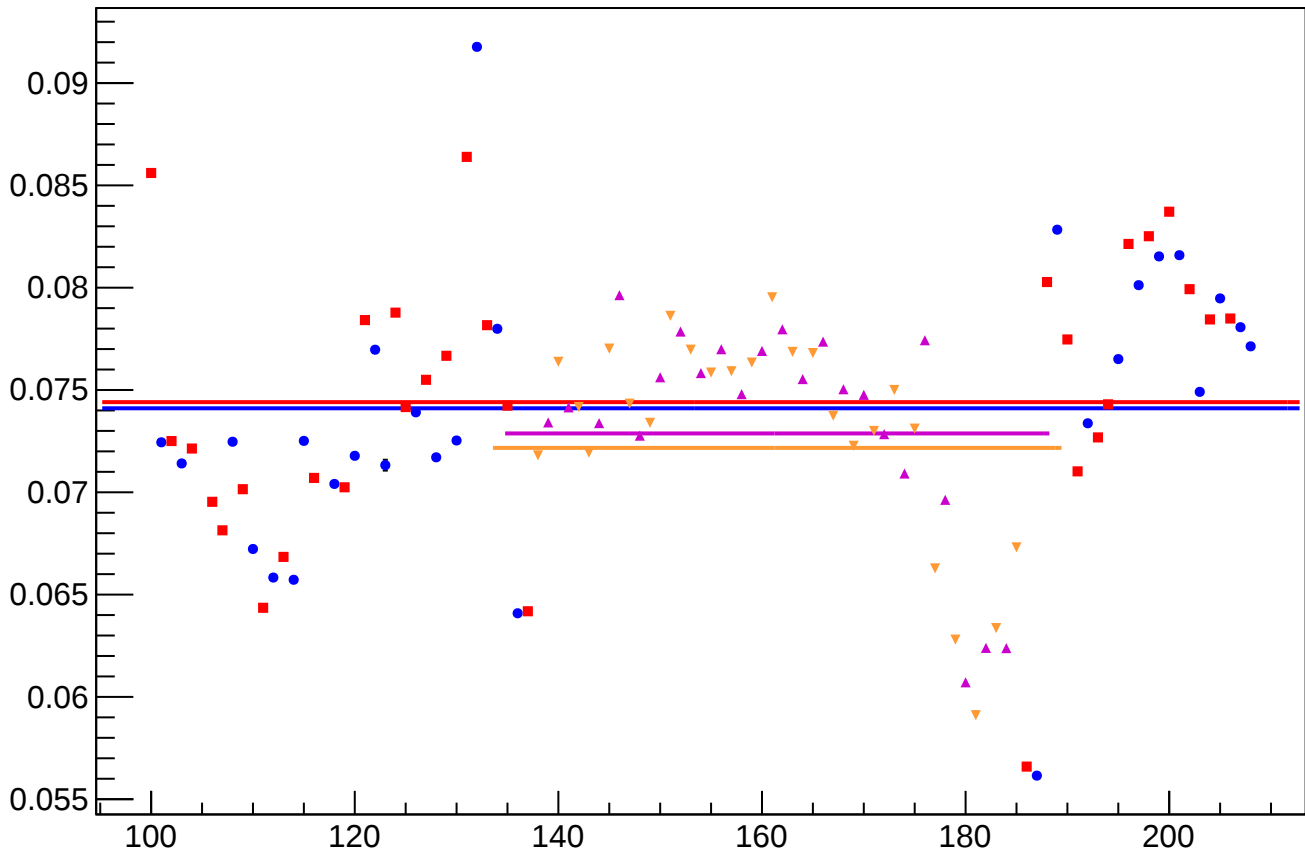
Left In: -1.202+/-0.000 χ^2/NDF : 5606782515.9/22

+ sign -1.262+/-0.000 χ^2/NDF : 12723348688.6/52

All: -1.379+/-0.000 χ^2/NDF : 23756166015.3

- sign -1.500+/-0.000 χ^2/NDF : 10864185688.5/53

yield_bpm0r03X_rms vs Slug



Right In: 0.074+/-0.000 χ^2/NDF : 191908.6/27

Left Out: 0.072+/-0.000 χ^2/NDF : 222263.8/24

Right Out: 0.074+/-0.000 χ^2/NDF : 231533.6/30

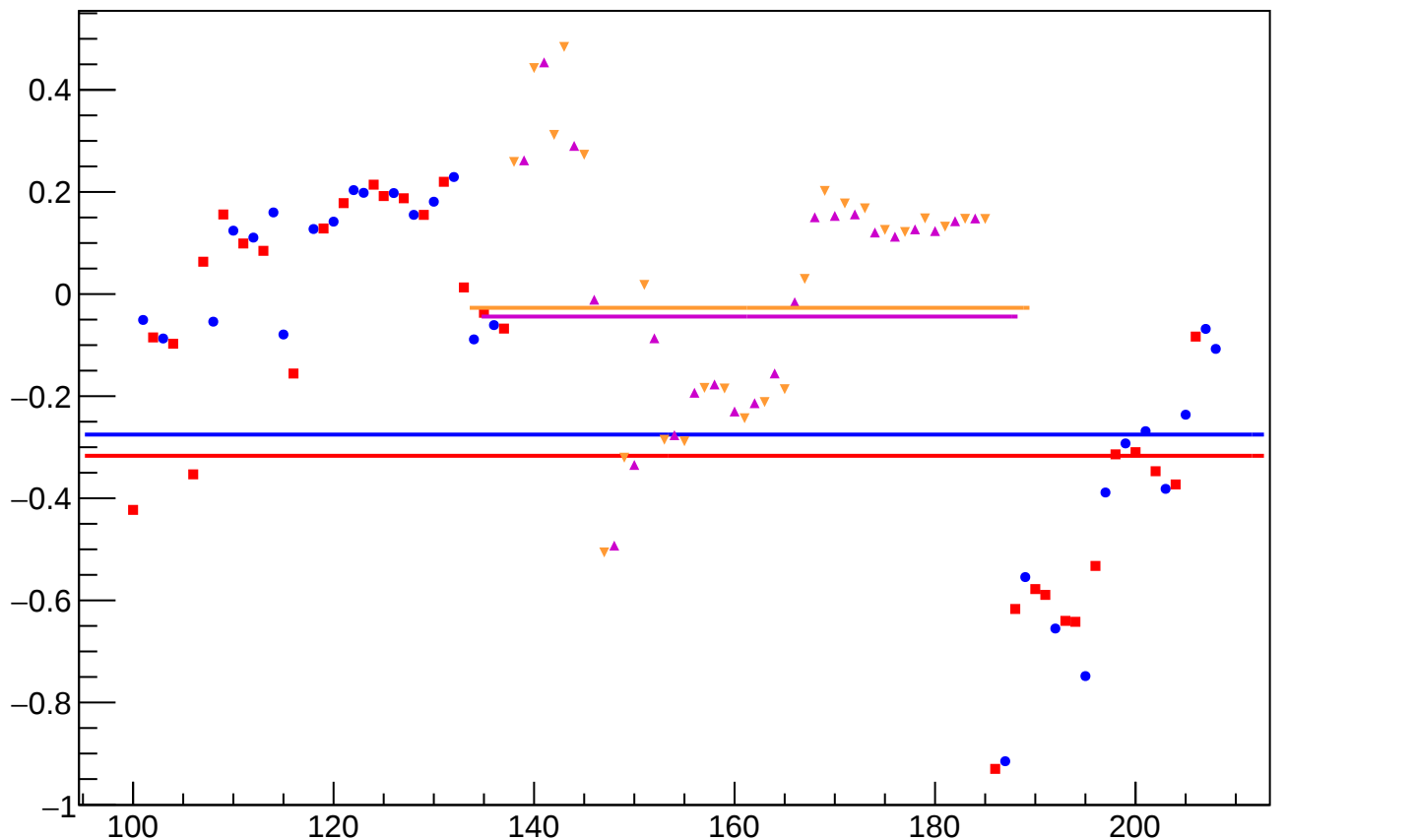
Left In: 0.073+/-0.000 χ^2/NDF : 183503.0/22

+ sign 0.073+/-0.000 χ^2/NDF : 425231.8/52

All: 0.073+/-0.000 χ^2/NDF : 849072.3/106

- sign 0.074+/-0.000 χ^2/NDF : 421850.0/53

yield_bpm0r03Y_mean vs Slug



Right In: -0.275+/-0.000 χ^2/NDF : 13770949046.0/27

Left Out: -0.027+/-0.000 χ^2/NDF : 20376761328.6/24

Right Out: -0.317+/-0.000 χ^2/NDF : 12221142271.7/30

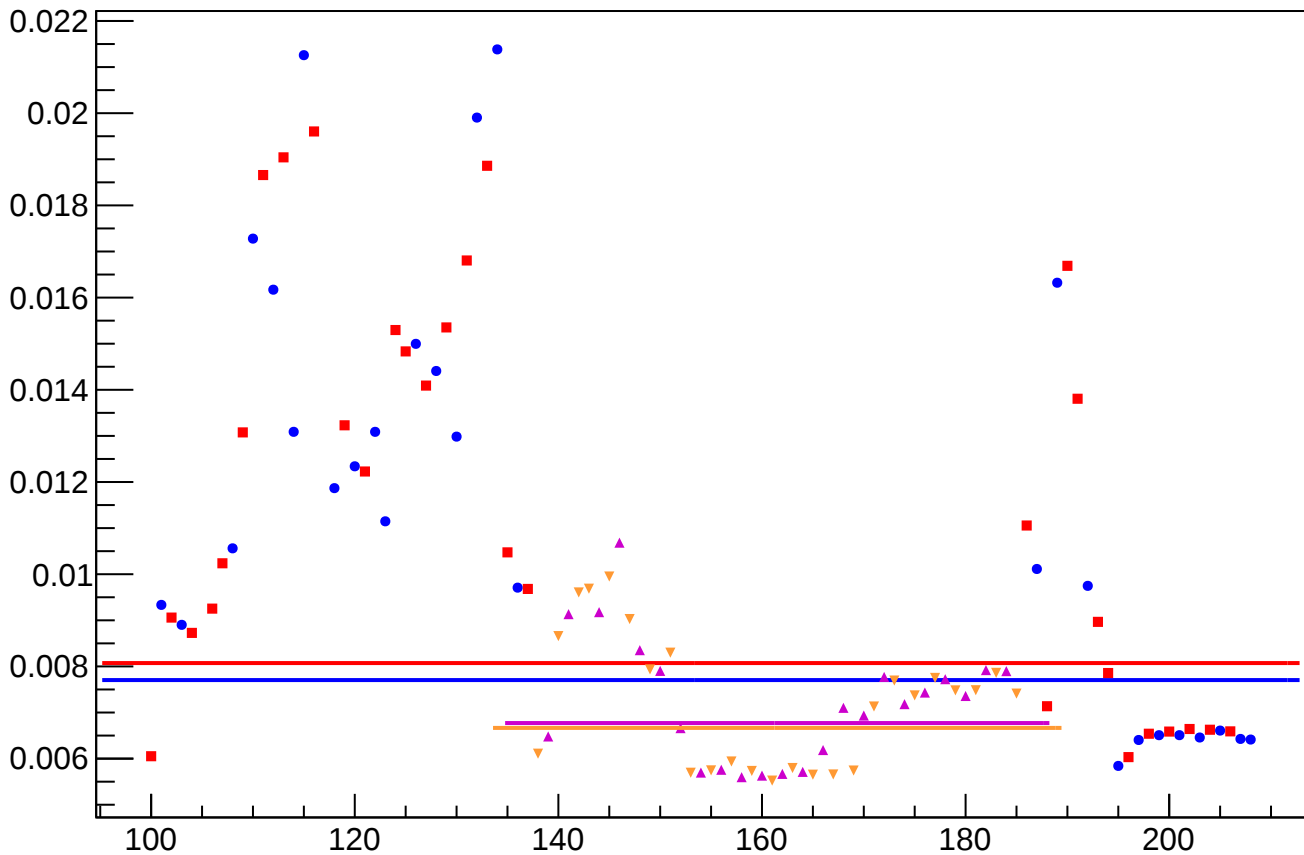
Left In: -0.044+/-0.000 χ^2/NDF : 15718556282.1/22

+ sign -0.115+/-0.000 χ^2/NDF : 42378718718.1/52

All: -0.127+/-0.000 χ^2/NDF : 79654690006.6/100

- sign -0.141+/-0.000 χ^2/NDF : 37078920749.2/53

yield_bpm0r03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 2786650.9/27

Left Out: 0.007+/-0.000 χ^2/NDF :1143768.6/24

Right Out: 0.008+/-0.000 χ^2/NDF : 2949064.6/30

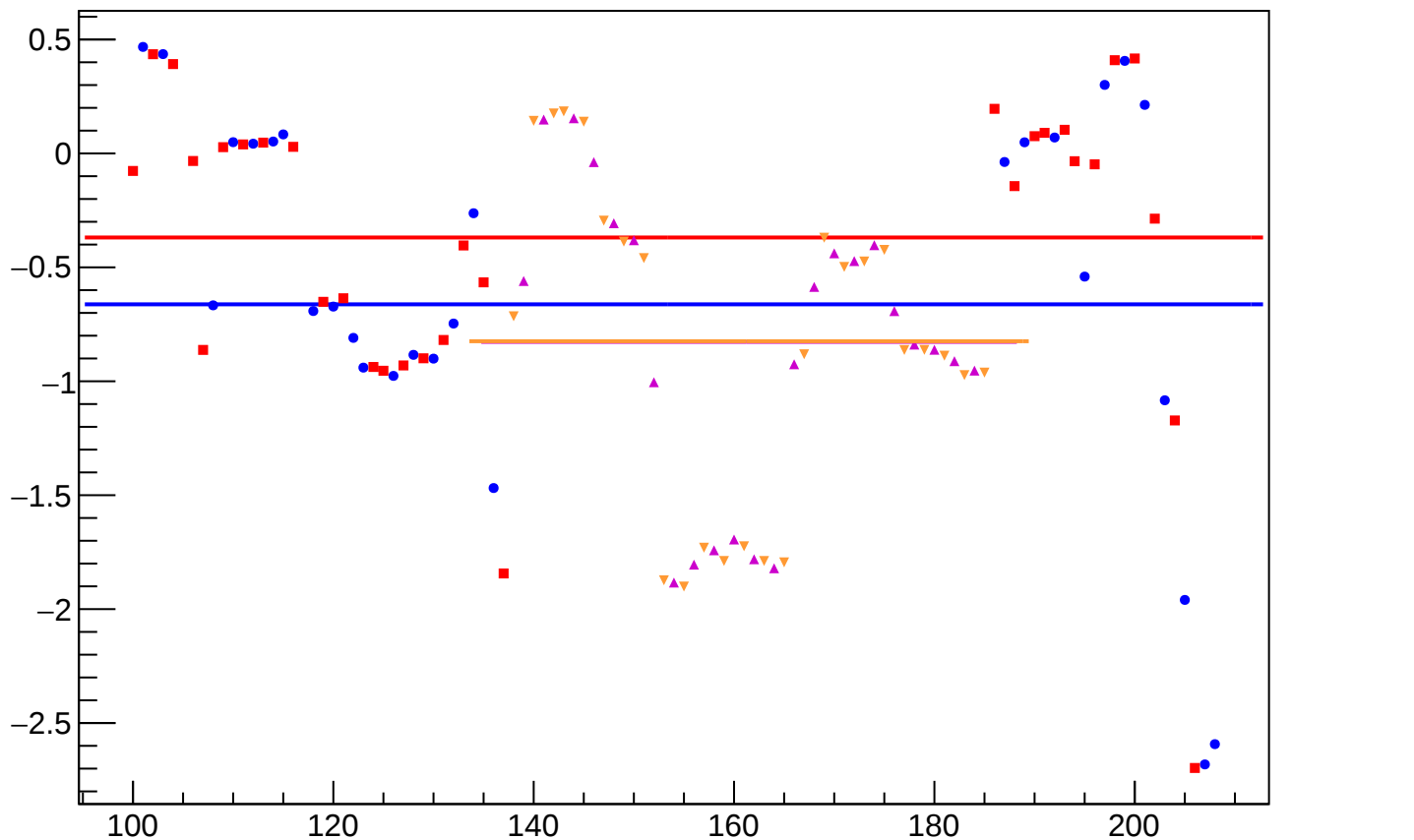
Left In: 0.007+/-0.000 χ^2/NDF :934050.3/22

+ sign 0.007+/-0.000 χ^2/NDF : 4217917.4/52

All: 0.007+/-0.000 χ^2/NDF : 8539895.9/106

- sign 0.007+/-0.000 χ^2/NDF : 4299109.5/53

yield_bpm0r05X_mean vs Slug



Right In: -0.662 ± 0.000 $\chi^2/\text{NDF}: 1460755922.2/27$

Left Out: -0.824 ± 0.000 $\chi^2/\text{NDF}: 1103610806.5/24$

Right Out: -0.369 ± 0.000 $\chi^2/\text{NDF}: 1061262447.5/30$

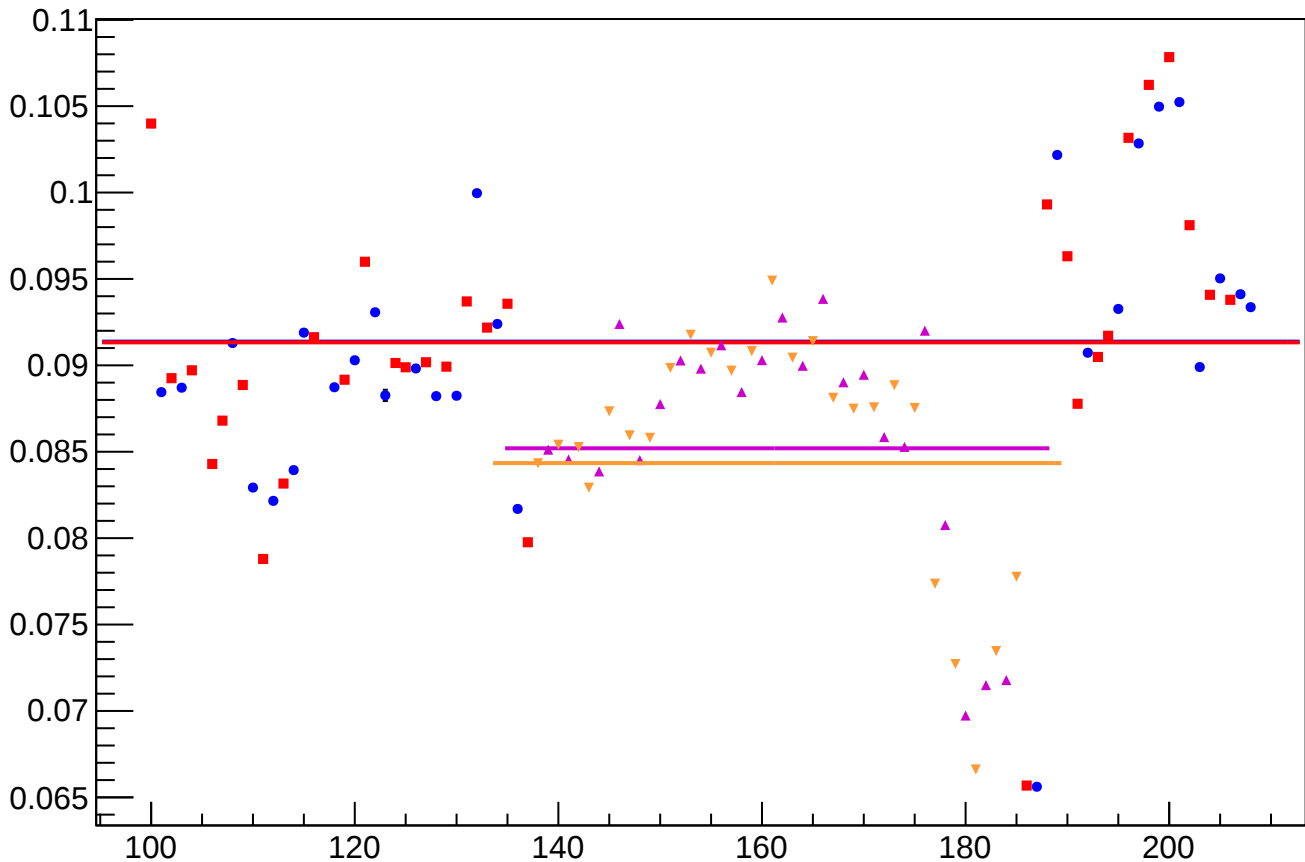
Left In: -0.827 ± 0.000 $\chi^2/\text{NDF}: 921651117.3/22$

+ sign -0.759 ± 0.000 $\chi^2/\text{NDF}: 2591256713.3/52$

All: -0.695 ± 0.000 $\chi^2/\text{NDF}: 4823532785.4/1$

- sign -0.629 ± 0.000 $\chi^2/\text{NDF}: 2196602153.4/53$

yield_bpm0r05X_rms vs Slug



Right In: 0.091 $\pm$ 0.000 χ^2 /NDF: 191261.7/27

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF:288312.6/24

Right Out: 0.091 $\pm$ 0.000 χ^2 /NDF: 281544.4/30

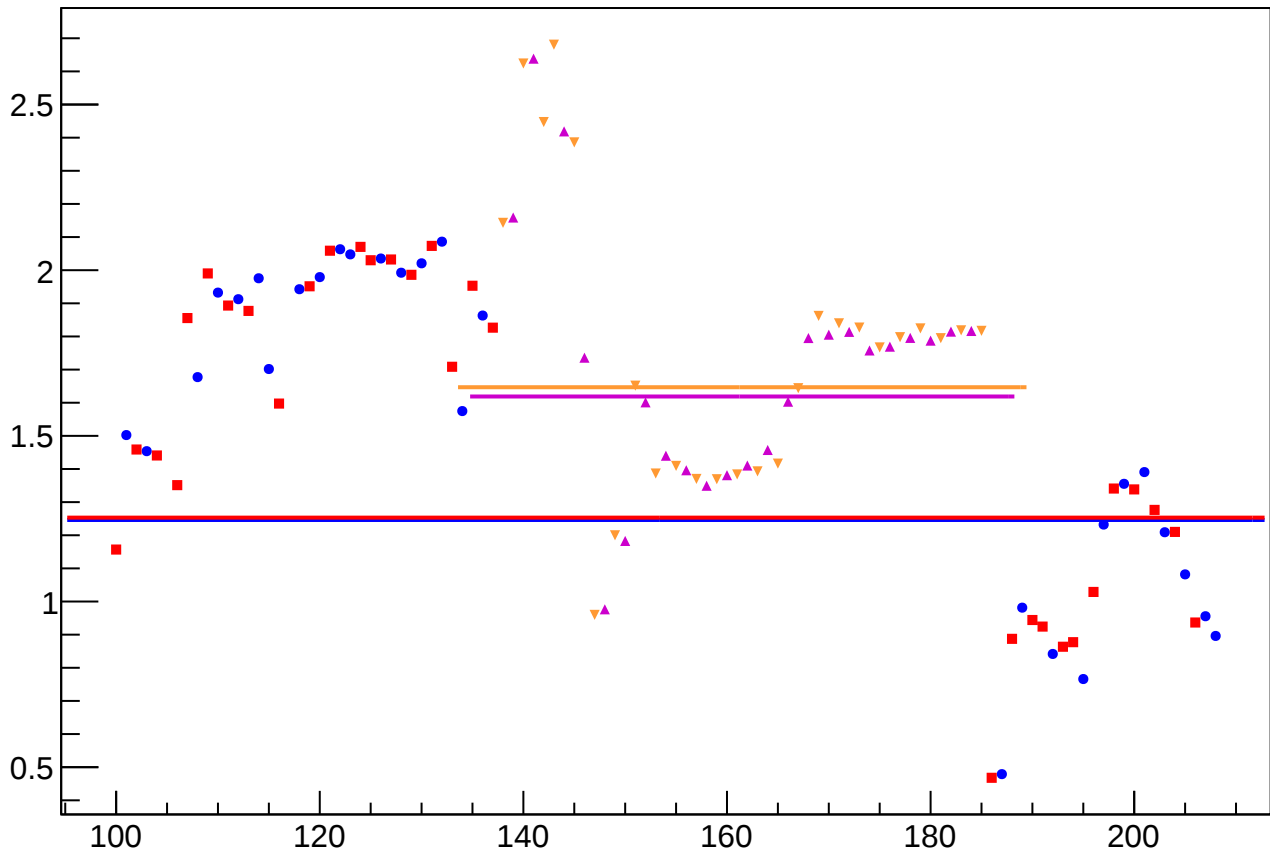
Left In: 0.085 $\pm$ 0.000 χ^2 /NDF:238313.9/22

+ sign 0.087 $\pm$ 0.000 χ^2 /NDF: 580904.8/52

All: 0.088 $\pm$ 0.000 χ^2 /NDF: 1179317.5/106

- sign 0.088 $\pm$ 0.000 χ^2 /NDF: 596442.9/53

yield_bpm0r05Y_mean vs Slug



Right In: 1.246 $\pm$ 0.000 χ^2 /NDF: 15573971432.7/27

Left Out: 1.647 $\pm$ 0.000 χ^2 /NDF: 26535241545.7/24

Right Out: 1.253 $\pm$ 0.000 χ^2 /NDF: 13360921156.7/30

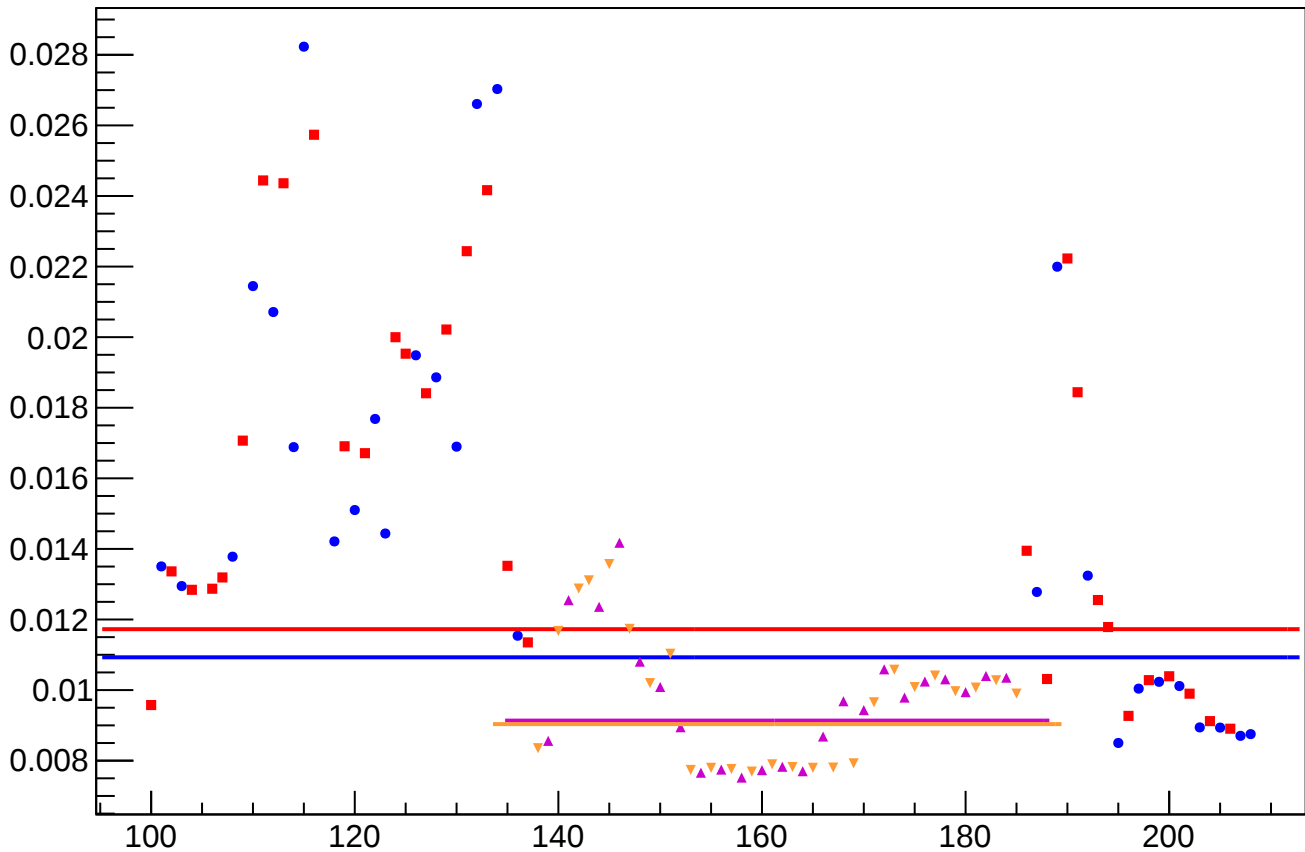
Left In: 1.619 $\pm$ 0.000 χ^2 /NDF: 20618198188.1/22

+ sign 1.513 $\pm$ 0.000 χ^2 /NDF: 53293467379.7/52

All: 1.506 $\pm$ 0.000 χ^2 /NDF: 95672395752.8/100

- sign 1.499 $\pm$ 0.000 χ^2 /NDF: 42351905081.6/53

yield_bpm0r05Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 2243082.8/27

Left Out: 0.009+/-0.000 χ^2/NDF :1042871.8/24

Right Out: 0.012+/-0.000 χ^2/NDF : 2309749.9/30

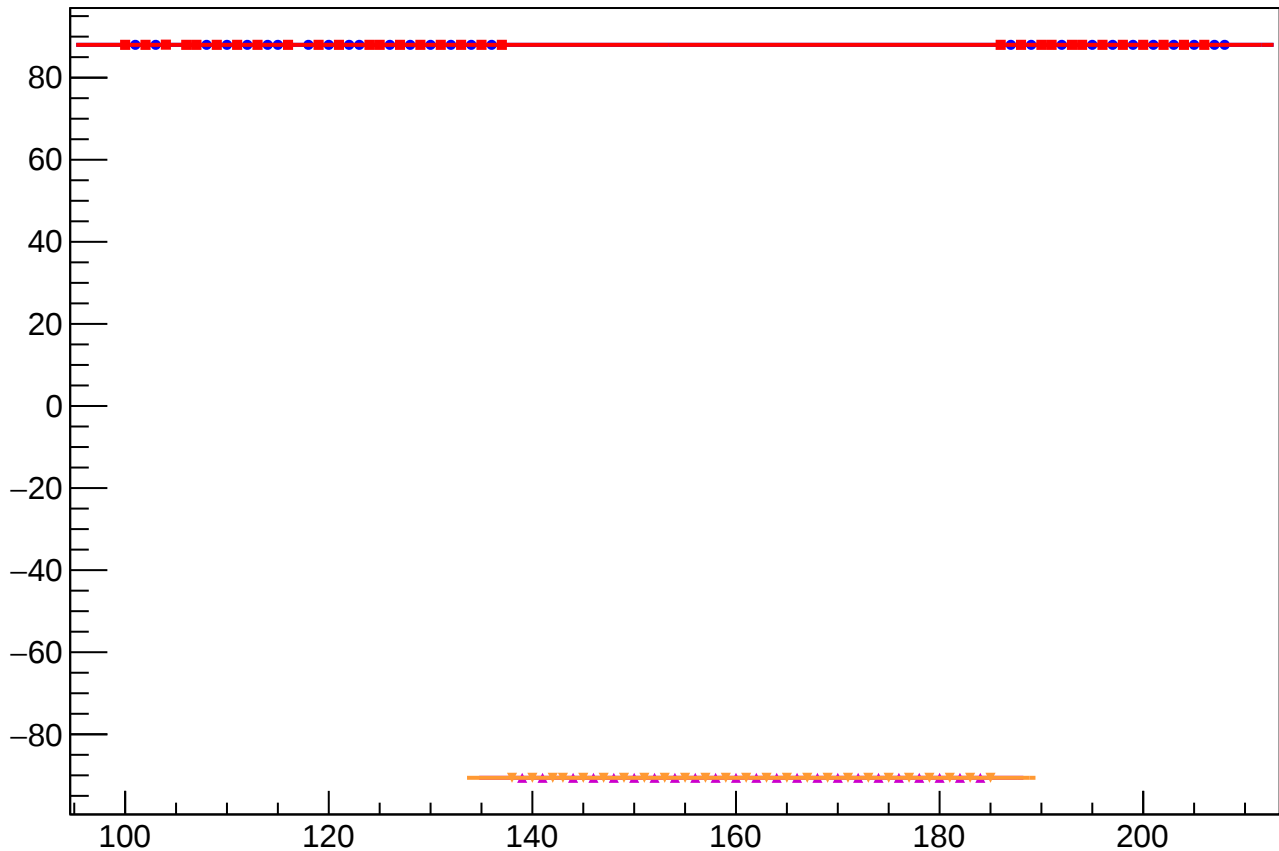
Left In: 0.009+/-0.000 χ^2/NDF :878356.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 3785149.3/52

All: 0.010+/-0.000 χ^2/NDF : 7843452.2/106

- sign 0.010+/-0.000 χ^2/NDF : 4029072.3/53

epics_VWienAngles_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 4263736.4/27

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 5785821.4/24

Right Out: 88.002 $\pm$ 0.000 χ^2 /NDF: 80690855910129779772655403008.0/30

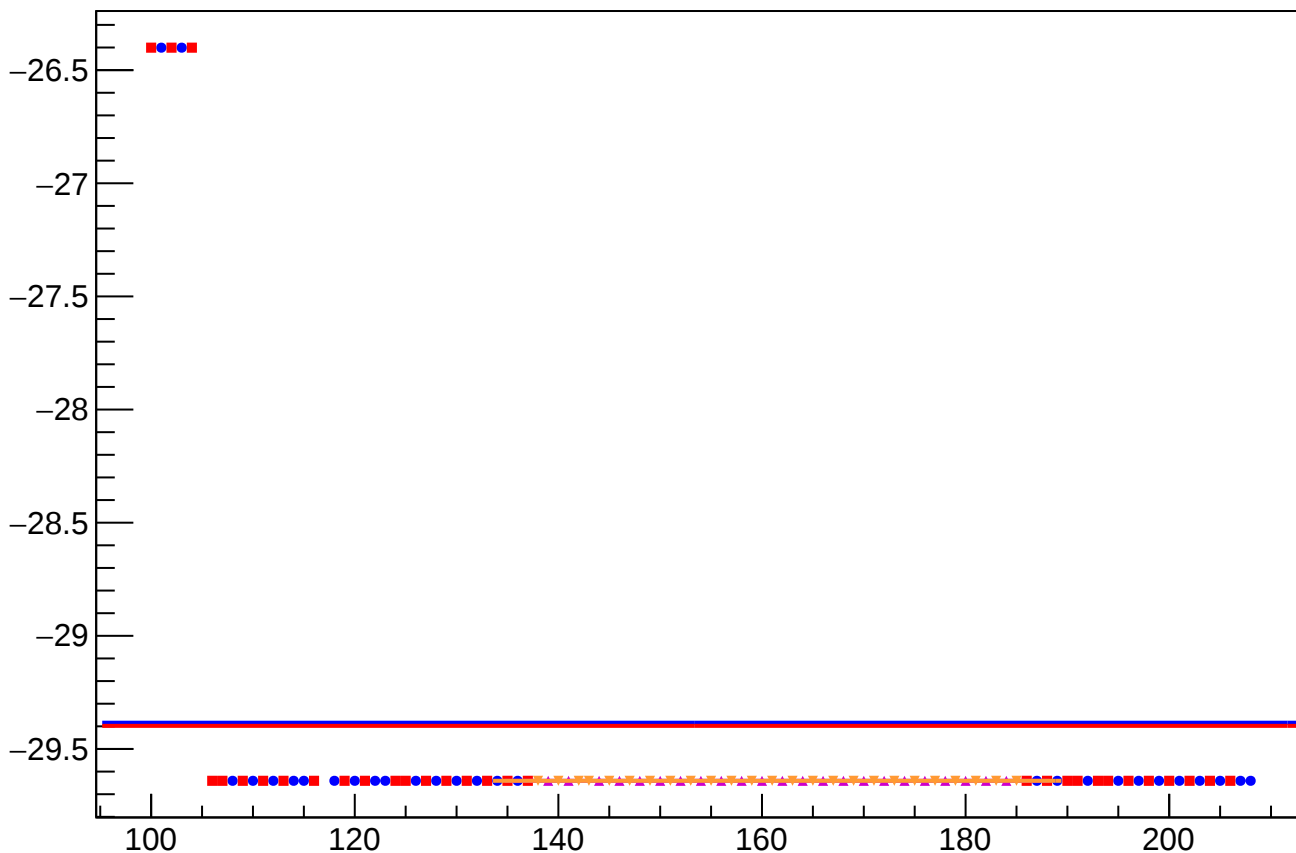
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 7134230.8/22

+ sign -12.245 $\pm$ 0.000 χ^2 /NDF: 266588093542132

All: -10.099 $\pm$ 0.000 χ^2 /NDF: 532107136382

- sign -7.921 $\pm$ 0.000 χ^2 /NDF: 26520420827097380

epics_HWienAngles_mean vs Slug



Right In: -29.384+/-0.000 χ^2/NDF : 1140551197313627463837735861616640.0/27

Left Out: -29.641+/-0.000 χ^2/NDF : 530354.3/24

Right Out: -29.398+/-0.000 χ^2/NDF : 1126471144186035324568812212191232.0/30

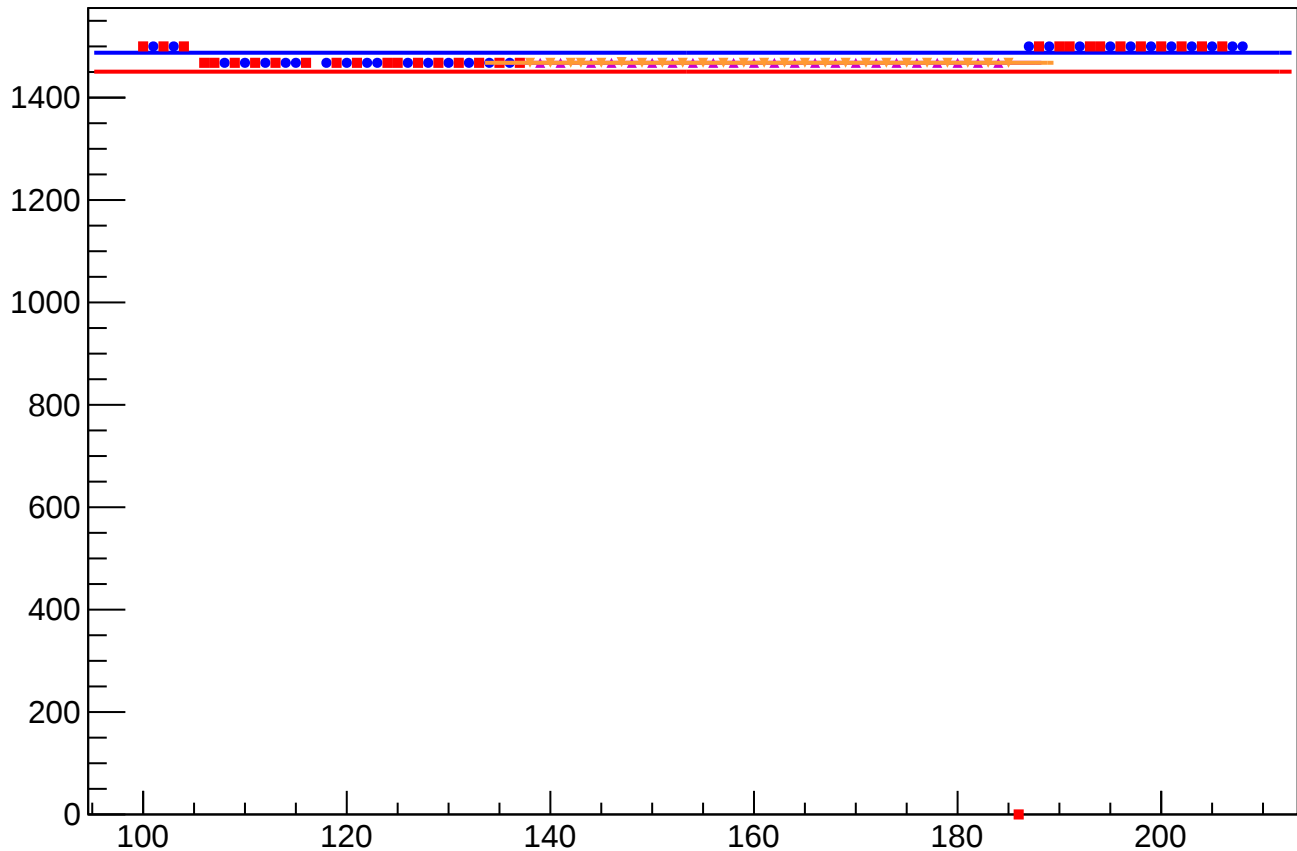
Left In: -29.641+/-0.000 χ^2/NDF : 382603.8/22

+ sign -29.528+/-0.000 χ^2/NDF : 119565004030640.0/27

All: -29.528+/-0.000 χ^2/NDF : 237113020979.0/30

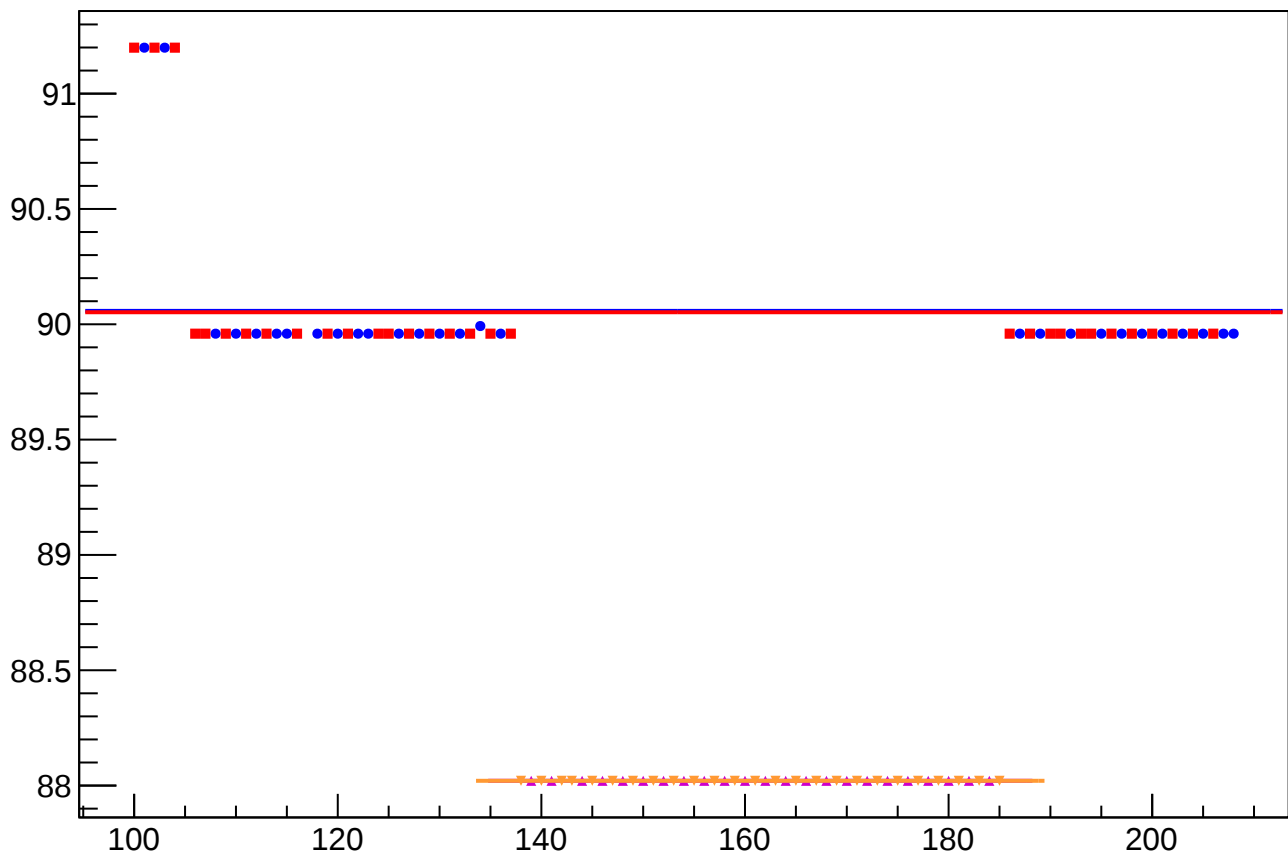
- sign -29.528+/-0.000 χ^2/NDF : 1175480061243993.0/27

epics_psub_pl_poss_mean vs Slug



Right In: 1487.679+/-0.000 χ^2/NDF : 361452879704035848600871601530994688.0/27
 Left Out: 1468.048+/-0.000 χ^2/NDF : 127949199501977668488138456039424.0/24
 Right Out: 1450.685+/-0.000 χ^2/NDF : 82353550162967505288878990526532026368.0/30
 Left In: 1467.994+/-0.000 χ^2/NDF : 14449772795444989723550941184.0/22

epics_Phi_FGs_mean vs Slug



Right In: 90.058 $\pm$ 0.000 χ^2 /NDF: 166944542206349386203750406815744.0/27

Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 5679798.5/24

Right Out: 90.052 $\pm$ 0.000 χ^2 /NDF: 164996002067225251639100472033280.0/30

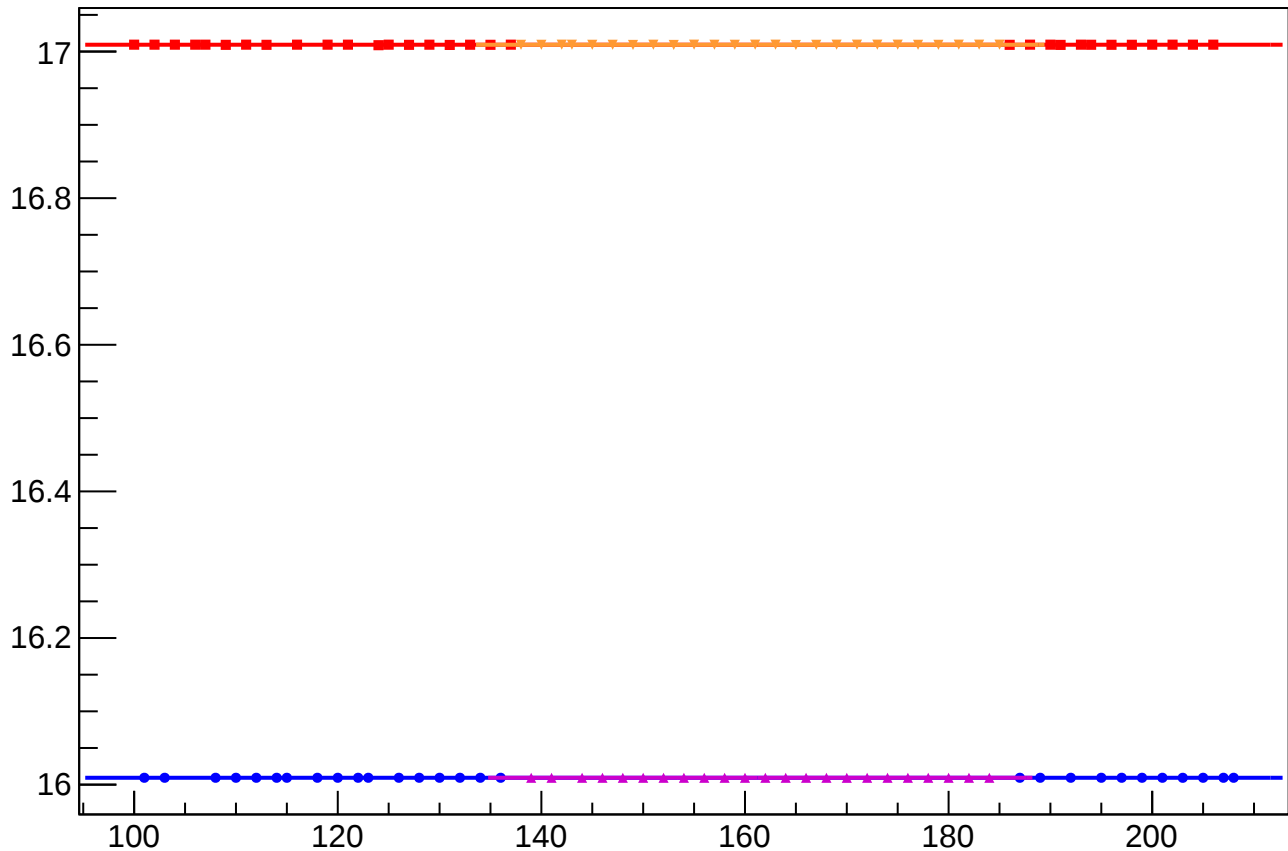
Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 6257169.0/22

+ sign 88.915 $\pm$ 0.000 χ^2 /NDF: 3635905281608657

All: 88.938 $\pm$ 0.000 χ^2 /NDF: 7235797383881

- sign 88.961 $\pm$ 0.000 χ^2 /NDF: 3596231355583343

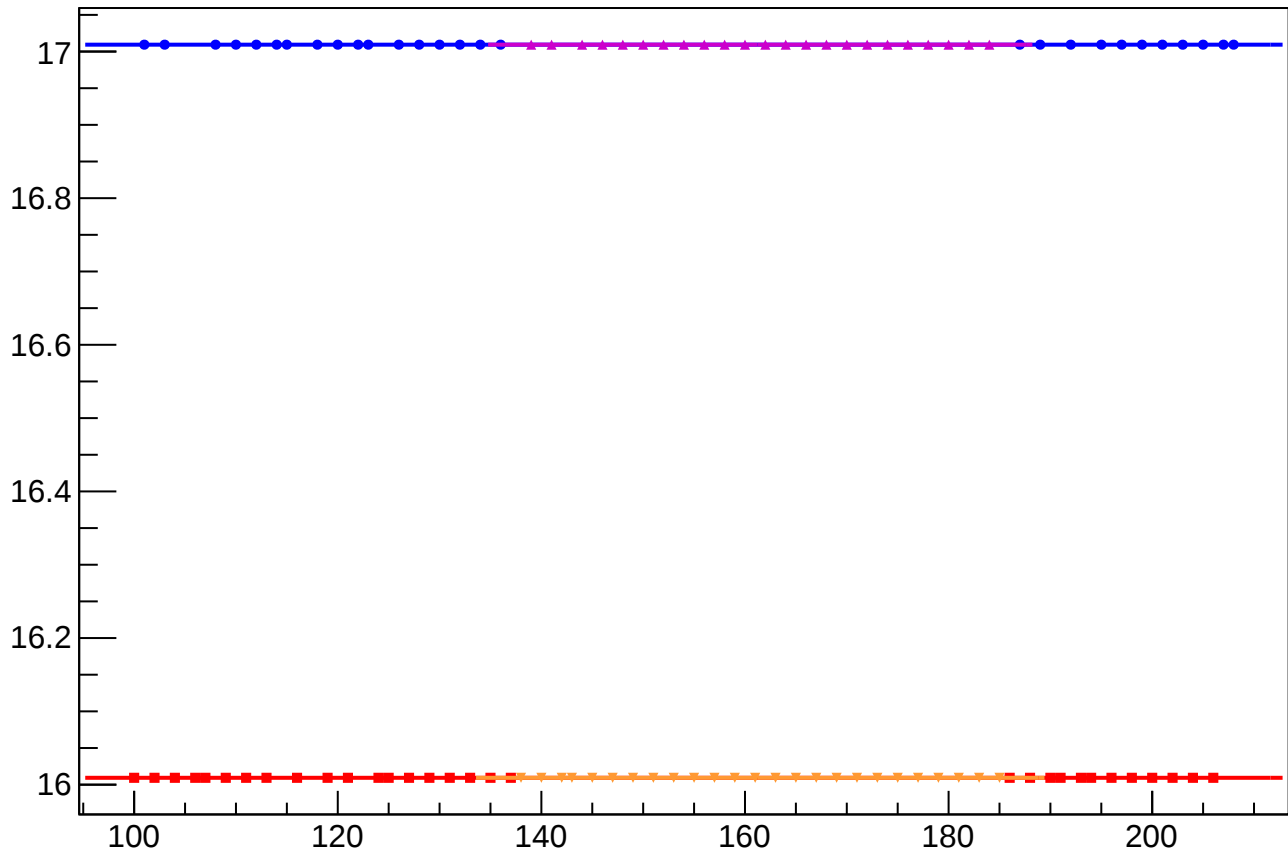
epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 113860715026345430614016.0/27
 Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 26194929080144976634970112.0/24
 Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 18638069557053823345754112.0/30
 Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127920993667935400624128.0/22

+ sign 16.558 $\pm$ 0.000 χ^2 /NDF: 7989887169507414
 All: 16.519 $\pm$ 0.000 χ^2 /NDF: 159308527597
 - sign 16.480 $\pm$ 0.000 χ^2 /NDF: 7843592381773432

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 113860715070937223921664.0/27

Left Out: 16.009+/-0.000 χ^2/NDF : 61253.5/24

Right Out: 16.009+/-0.000 χ^2/NDF : 323041.7/30

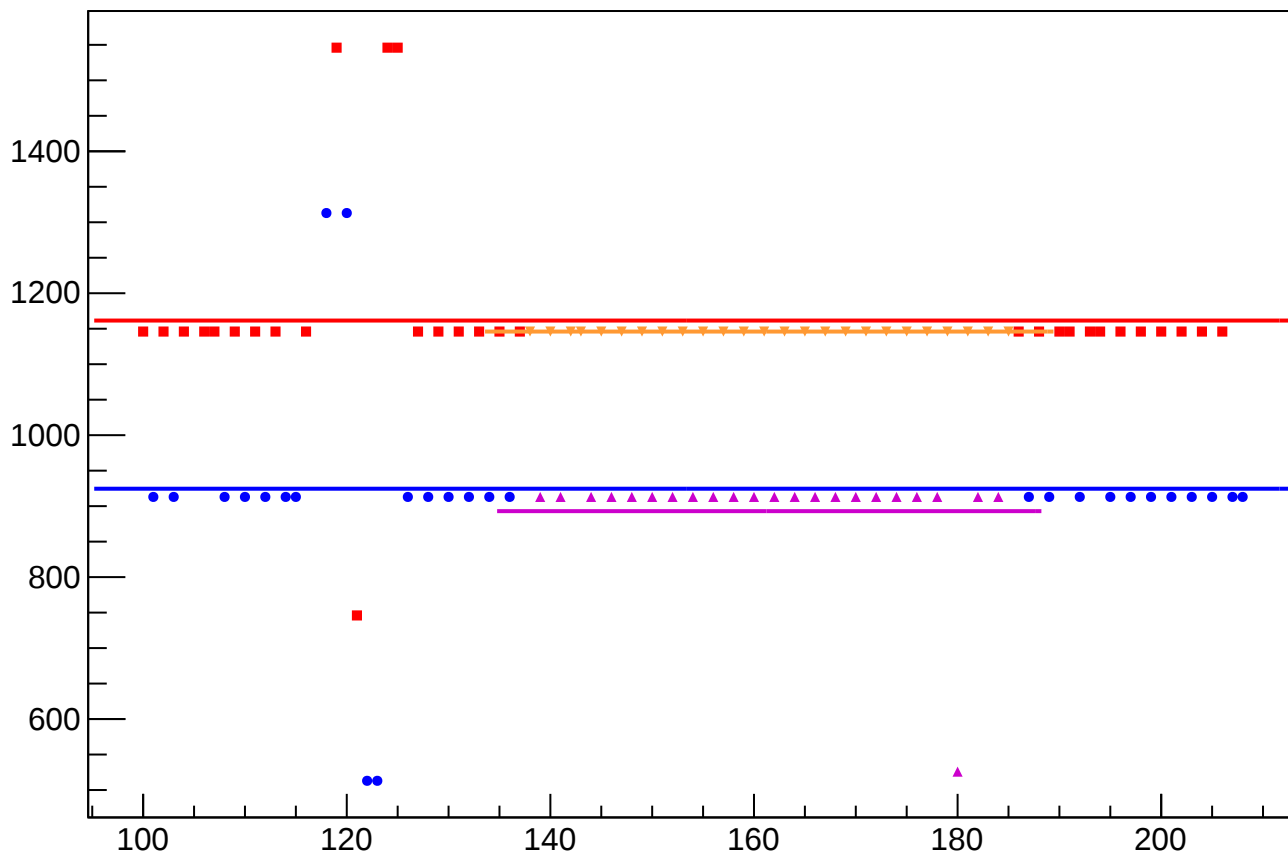
Left In: 17.009+/-0.000 χ^2/NDF : 114986101427233622065152.0/22

+ sign 16.446+/-0.000 χ^2/NDF : 8210321282632066

All: 16.493+/-0.000 χ^2/NDF : 1655766700838

- sign 16.541+/-0.000 χ^2/NDF : 8196480465179101

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 924.546+/-0.000 χ^2/NDF : 21082664331199014519694311233301774336.0/27

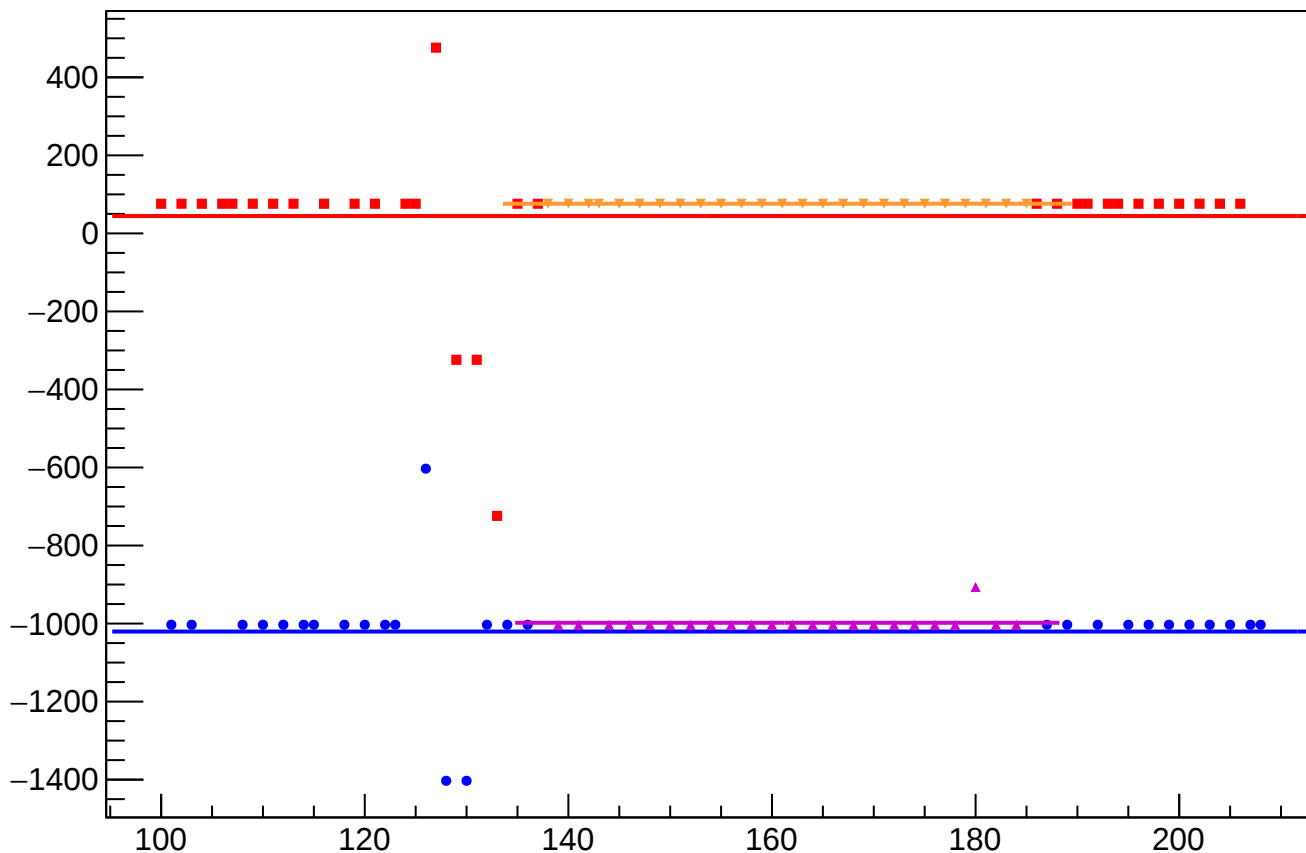
Left Out: 1146.011+/-0.000 χ^2/NDF : 8056834670270133849999540224.0/24

Right Out: 1161.514+/-0.000 χ^2/NDF : 21708635884446722157874273853770825728.0/30

Left In: 892.950+/-0.000 χ^2/NDF : 13213852485930520518972295012897783808.0/22

All: 1033.179+/-0.000 χ^2/NDF : 15864152418.0/22

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1020.450+/-0.000 χ^2/NDF : 22745673140214995212111968669496508416.0/27

Left Out: 76.011+/-0.000 χ^2/NDF : 11479003589933272170007363584.0/24

Right Out: 44.486+/-0.000 χ^2/NDF : 45501363450063733880445875935160303616.0/30

Left In: -997.979+/-0.000 χ^2/NDF : 825858066518991041870194619245920256.0/22

+ sign -405.024+/-0.000 χ^2/NDF : 10275108630664

All: -459.803+/-0.000 χ^2/NDF : 19978717932

- sign -515.402+/-0.000 χ^2/NDF : 949839008238435