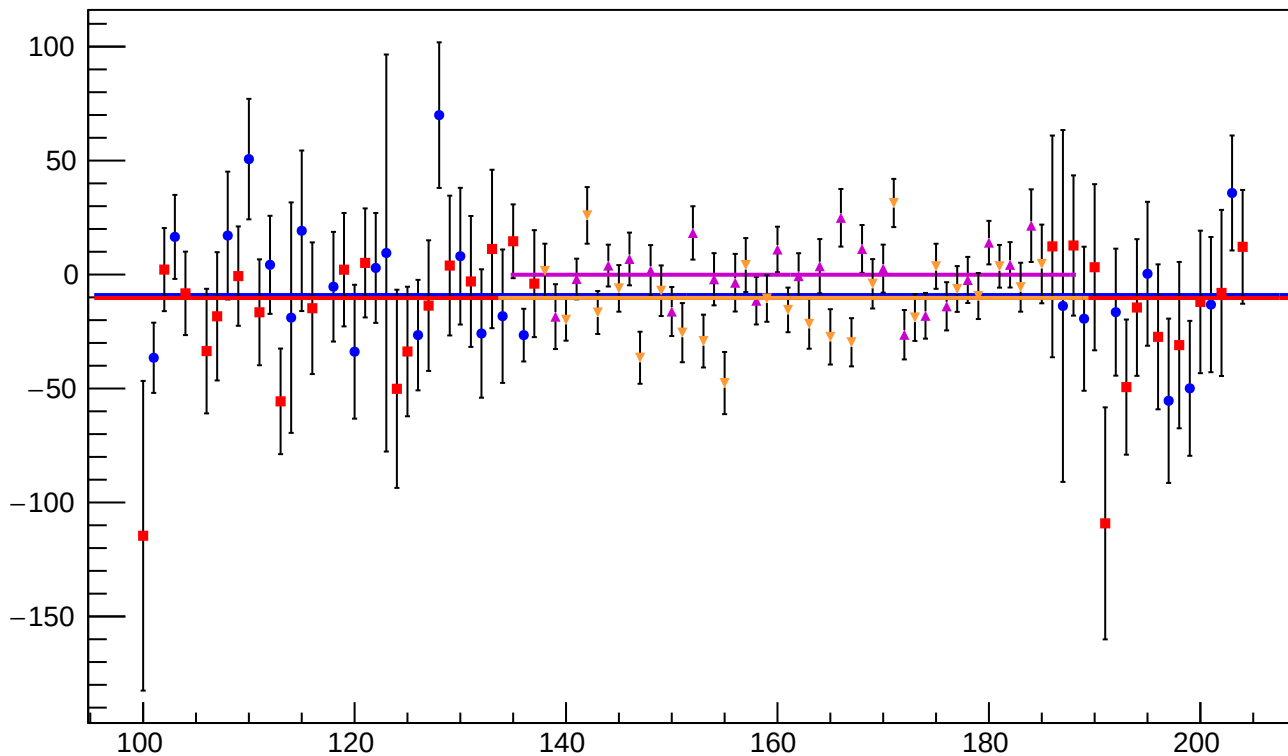


diff_bpm4aX_mean vs Slug



Right In: -8.991 ± 5.016

$\chi^2/\text{NDF}: 29.9/24$

Left Out: -10.238 ± 2.170

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

Right Out: -10.295 ± 4.944

$\chi^2/\text{NDF}: 20.9/29$

Left In: -0.080 ± 2.251

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

+ sign -10.042 ± 1.992

$\chi^2/\text{NDF}: 88.1/49$

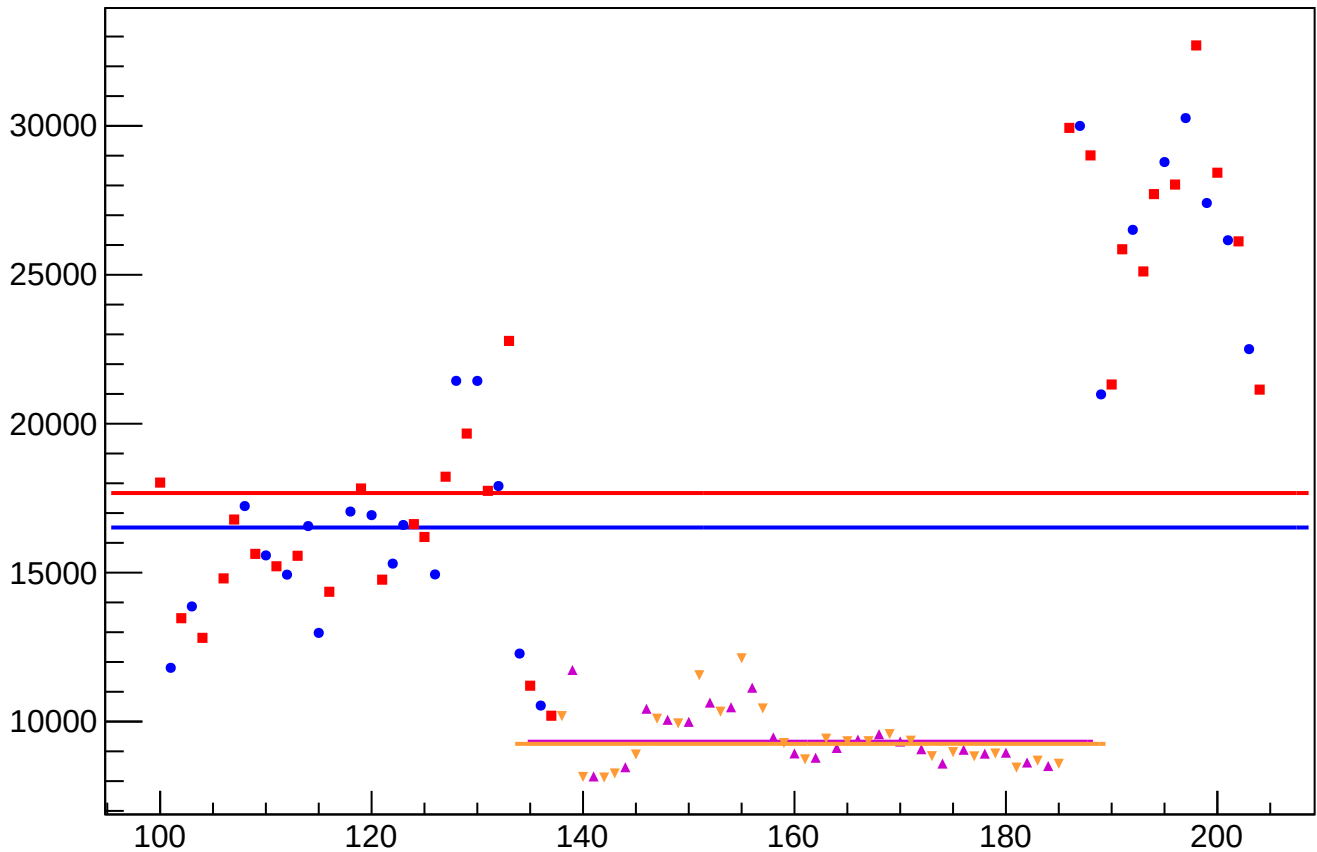
All: -6.052 ± 1.428

$\chi^2/\text{NDF}: 150.7/102$

- sign -1.833 ± 2.048

$\chi^2/\text{NDF}: 54.3/52$

diff_bpm4aX_rms vs Slug



Right In: 16515.549+/-3.547 χ^2/NDF : 2507983.8/24

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

Right Out: 17672.516+/-3.496 χ^2/NDF : 2719965.7/29

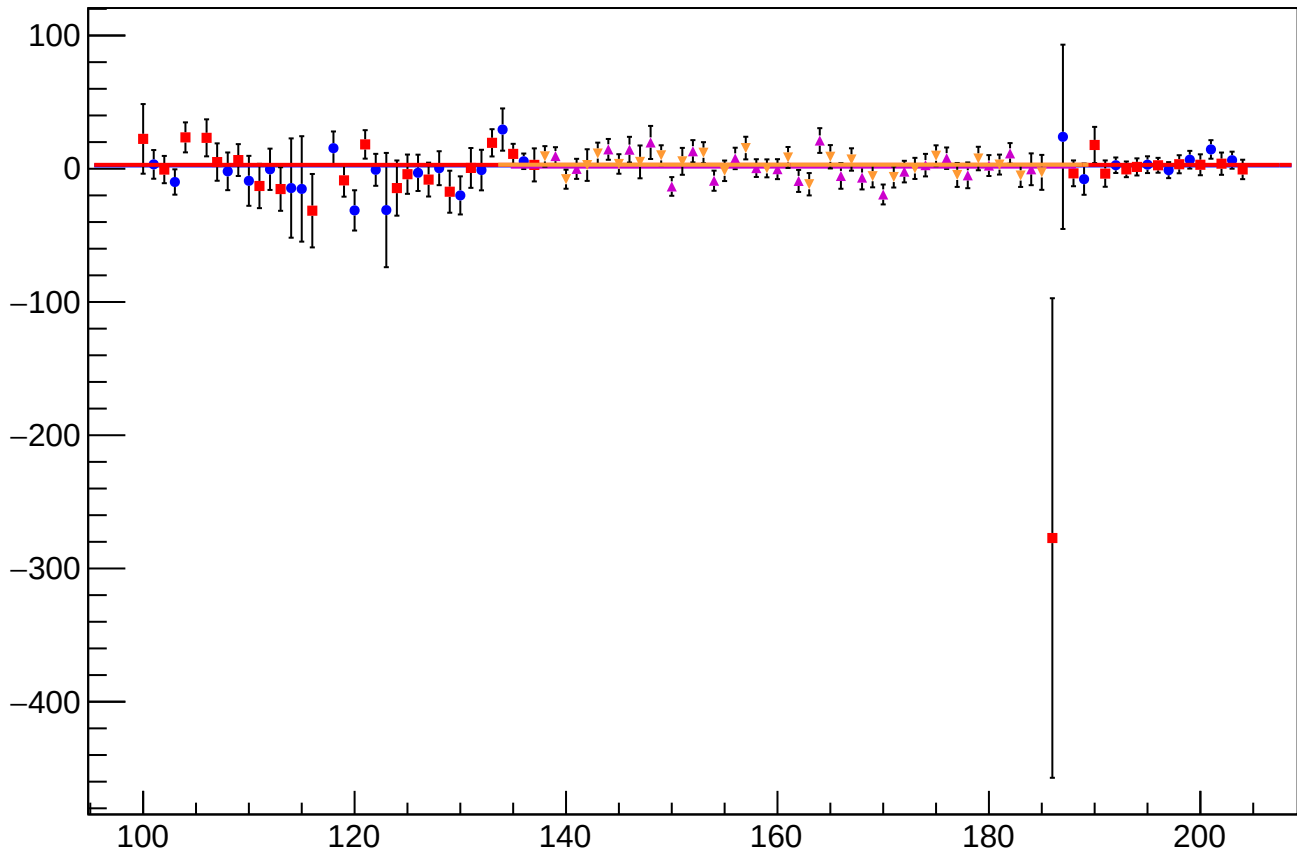
Left In: 9323.983+/-1.591 χ^2/NDF : 275717.0/22

+ sign 10397.221+/-1.408 χ^2/NDF : 6373255.0/49

All: 10571.972+/-1.010 χ^2/NDF : 14123997.7

- sign 10756.787+/-1.448 χ^2/NDF : 7719065.8/52

diff_bpm4aY_mean vs Slug



Right In: 2.473 ± 1.948 χ^2/NDF : 20.3/24

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

Right Out: 2.942 ± 1.831 χ^2/NDF : 25.2/29

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

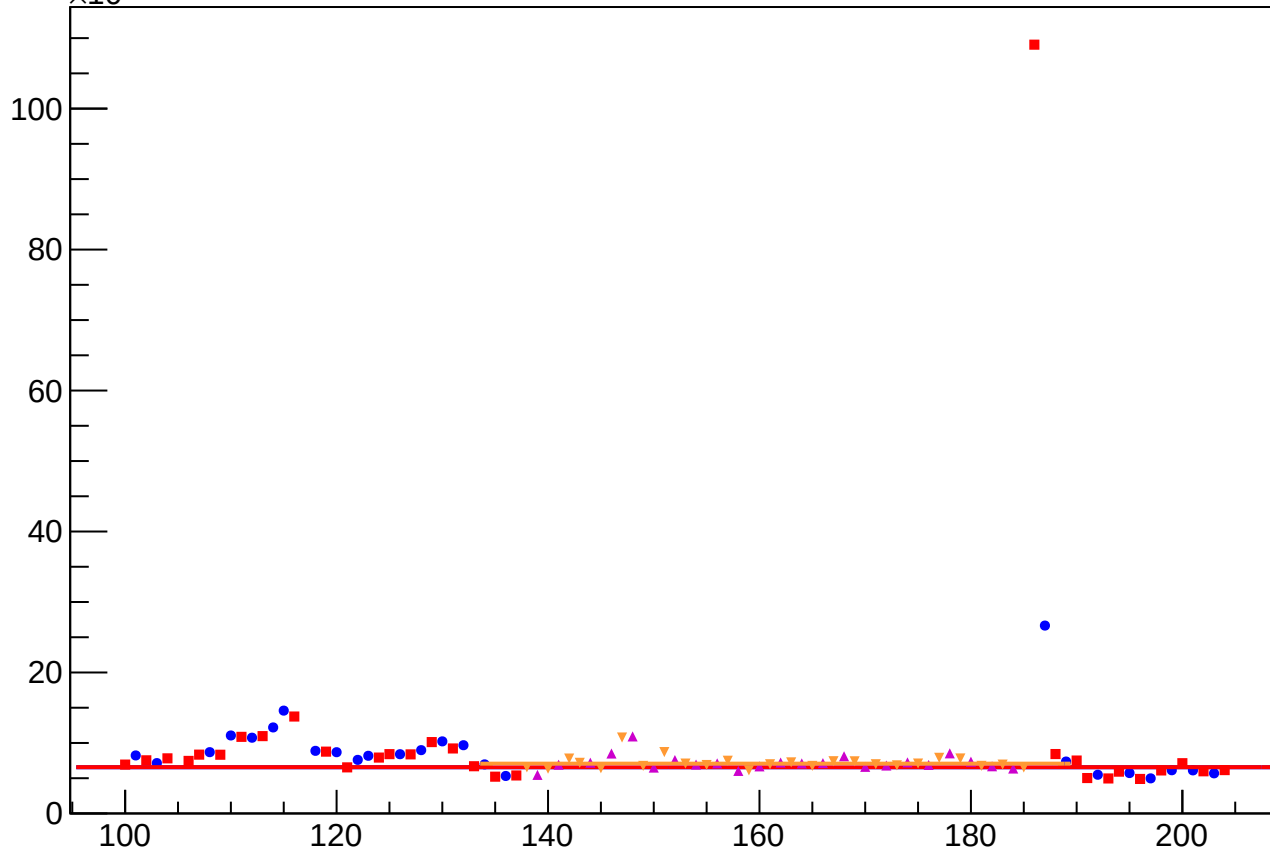
+ sign 2.794 ± 1.264 χ^2/NDF : 38.9/49

All: 2.501 ± 0.888 χ^2/NDF : 100.0/102

- sign 2.216 ± 1.247 χ^2/NDF : 61.0/52

diff_bpm4aY_rms vs Slug

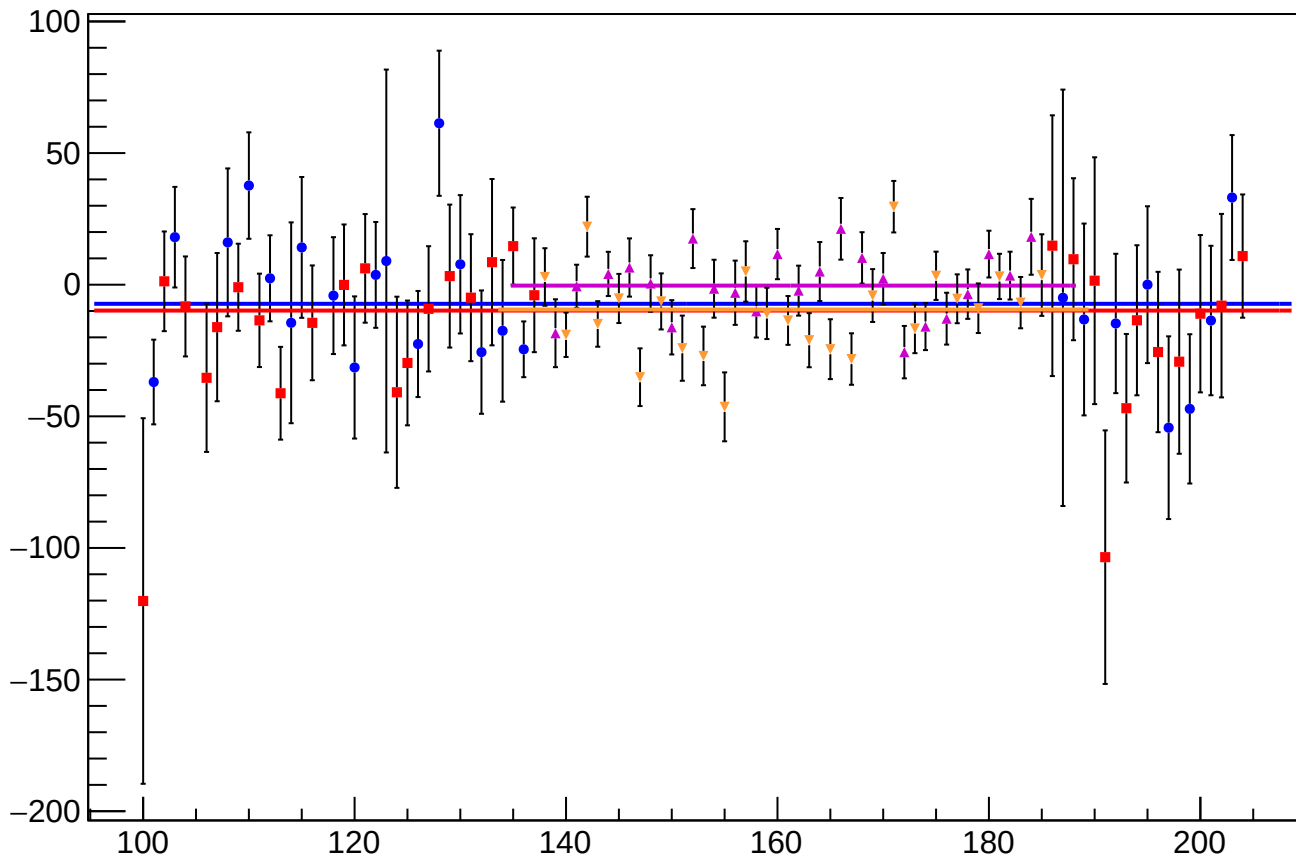
$\times 10^3$



Right In: 6552.378 $\pm$ 1.378 χ^2 /NDF: 1507337.3/24
 Left Out: 7064.457 $\pm$ 1.174 χ^2 /NDF: 386814.9/24
 Right Out: 6568.361 $\pm$ 1.295 χ^2 /NDF: 2099858.0/29
 Left In: 7014.572 $\pm$ 1.204 χ^2 /NDF: 525313.7/22

+ sign 6848.988 $\pm$ 0.894 χ^2 /NDF: 1974178.5/49
 All: 6828.063 $\pm$ 0.628 χ^2 /NDF: 4664121.4/10
 - sign 6807.695 $\pm$ 0.882 χ^2 /NDF: 2688860.9/52

diff_bpm4eX_mean vs Slug



Right In: -7.258 ± 4.559 χ^2/NDF : 30.4/24

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

Right Out: -9.819 ± 4.456 χ^2/NDF : 20.6/29

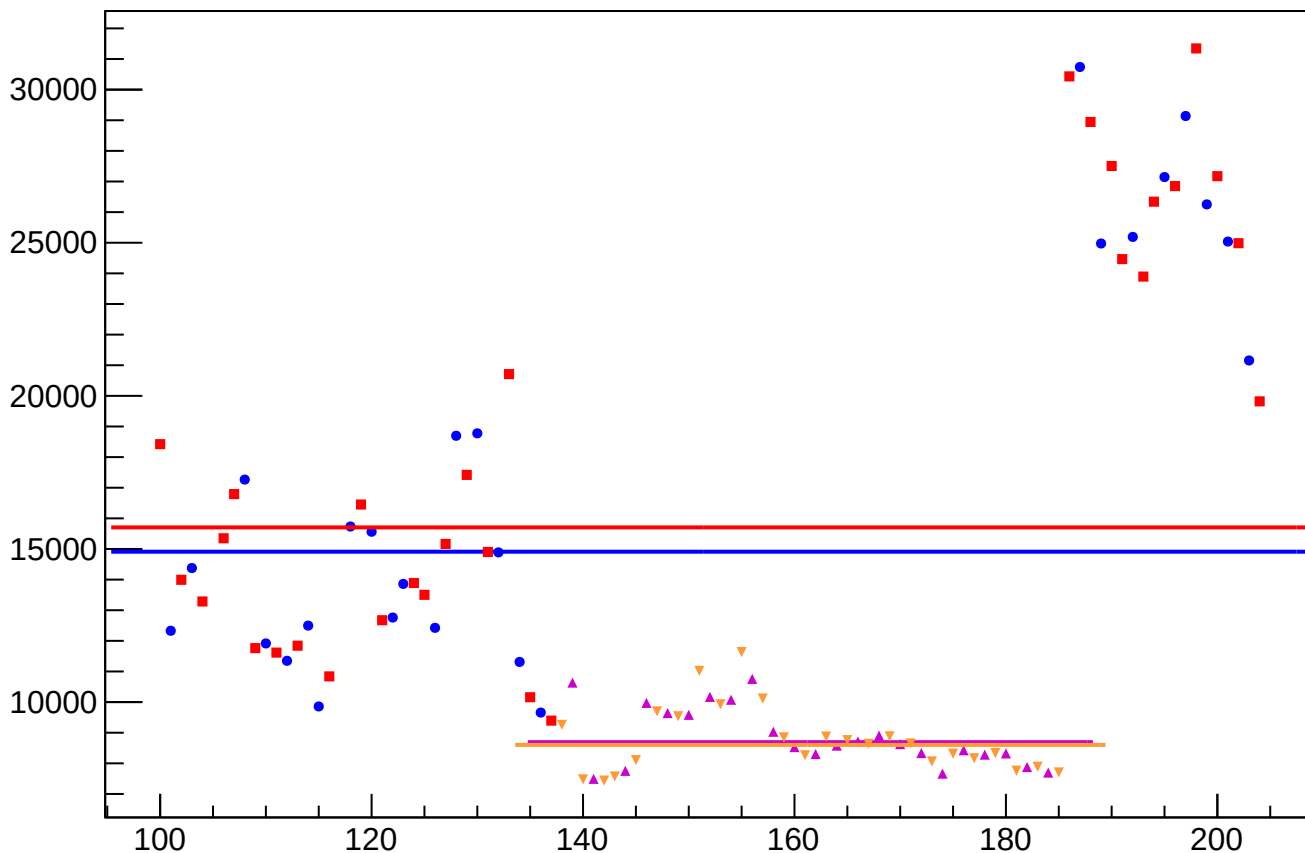
Left In: -0.344 ± 2.100 χ^2/NDF : 29.9/22

+ sign -9.058 ± 1.848 χ^2/NDF : 89.4/49

All: -5.660 ± 1.325 χ^2/NDF : 150.6/102

- sign -2.066 ± 1.900 χ^2/NDF : 54.2/52

diff_bpm4eX_rms vs Slug



Right In: 14910.941+/-3.224 χ^2/NDF : 2872669.0/24

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

Right Out: 15704.610+/-3.151 χ^2/NDF : 3408778.5/29

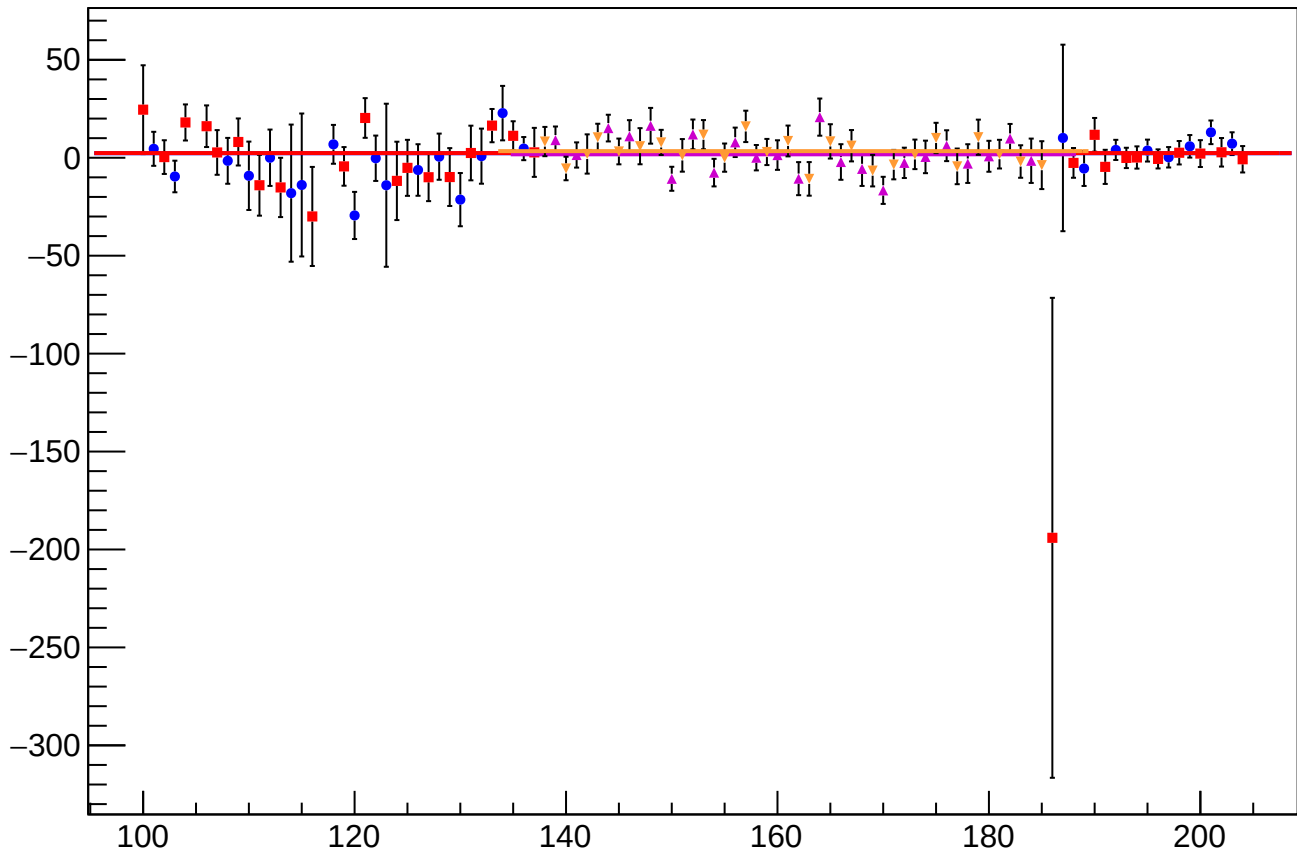
Left In: 8691.203+/-1.485 χ^2/NDF : 365254.6/22

+ sign 9638.243+/-1.306 χ^2/NDF : 6511920.3/49

All: 9797.660+/-0.937 χ^2/NDF : 14370178.5/52

- sign 9966.244+/-1.343 χ^2/NDF : 7827623.0/52

diff_bpm4eY_mean vs Slug



Right In: 2.301 $\pm$ 1.728 χ^2 /NDF: 21.9/24

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

Right Out: 2.390 $\pm$ 1.607 χ^2 /NDF: 25.9/29

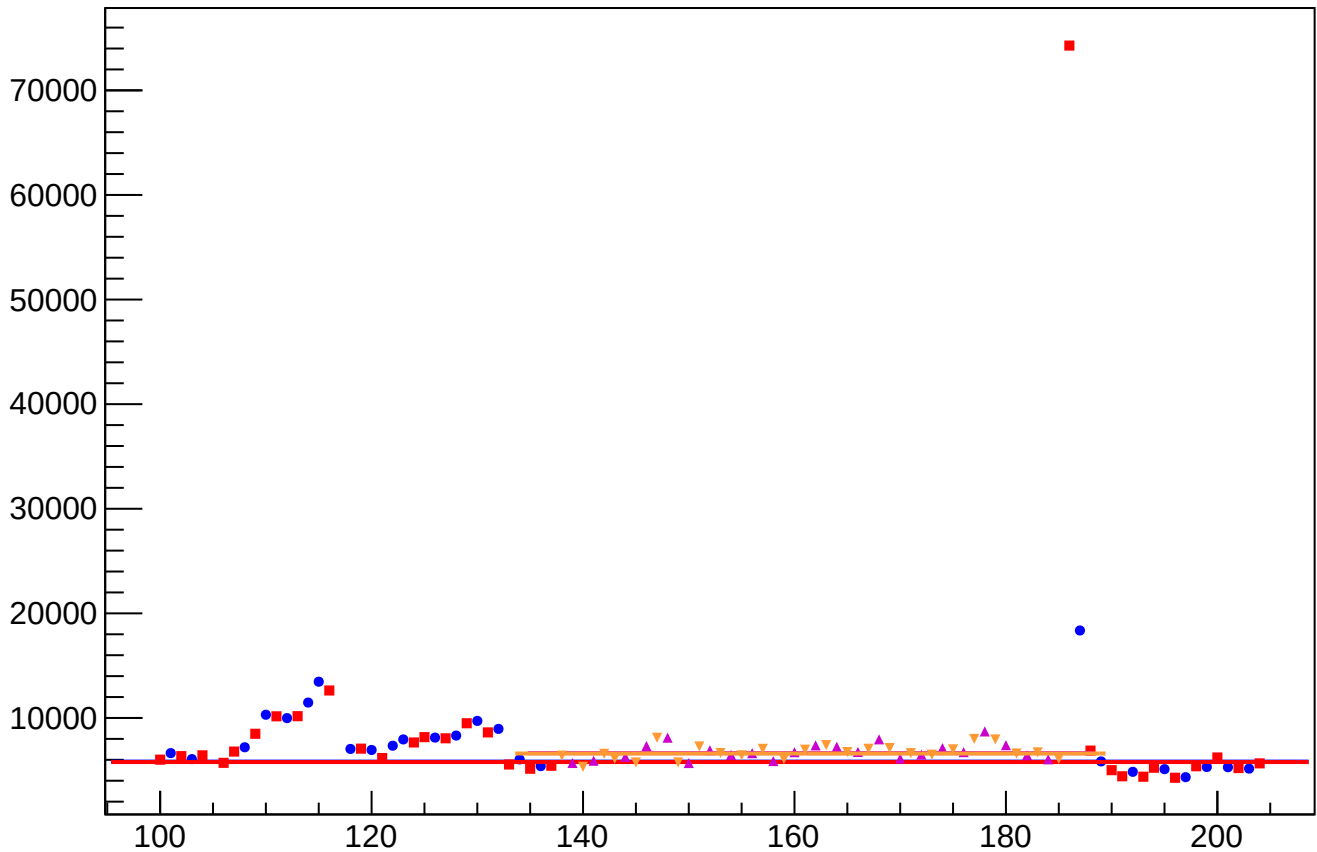
Left In: 1.756 $\pm$ 1.607 χ^2 /NDF: 33.5/22

+ sign 2.895 $\pm$ 1.155 χ^2 /NDF: 39.3/49

All: 2.477 $\pm$ 0.810 χ^2 /NDF: 99.1/102

- sign 2.073 $\pm$ 1.136 χ^2 /NDF: 59.5/52

diff_bpm4eY_rms vs Slug



Right In: 5828.004 $\pm$ 1.222 χ^2 /NDF: 1460797.6/24

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

Right Out: 5785.818 $\pm$ 1.136 χ^2 /NDF: 2129236.5/29

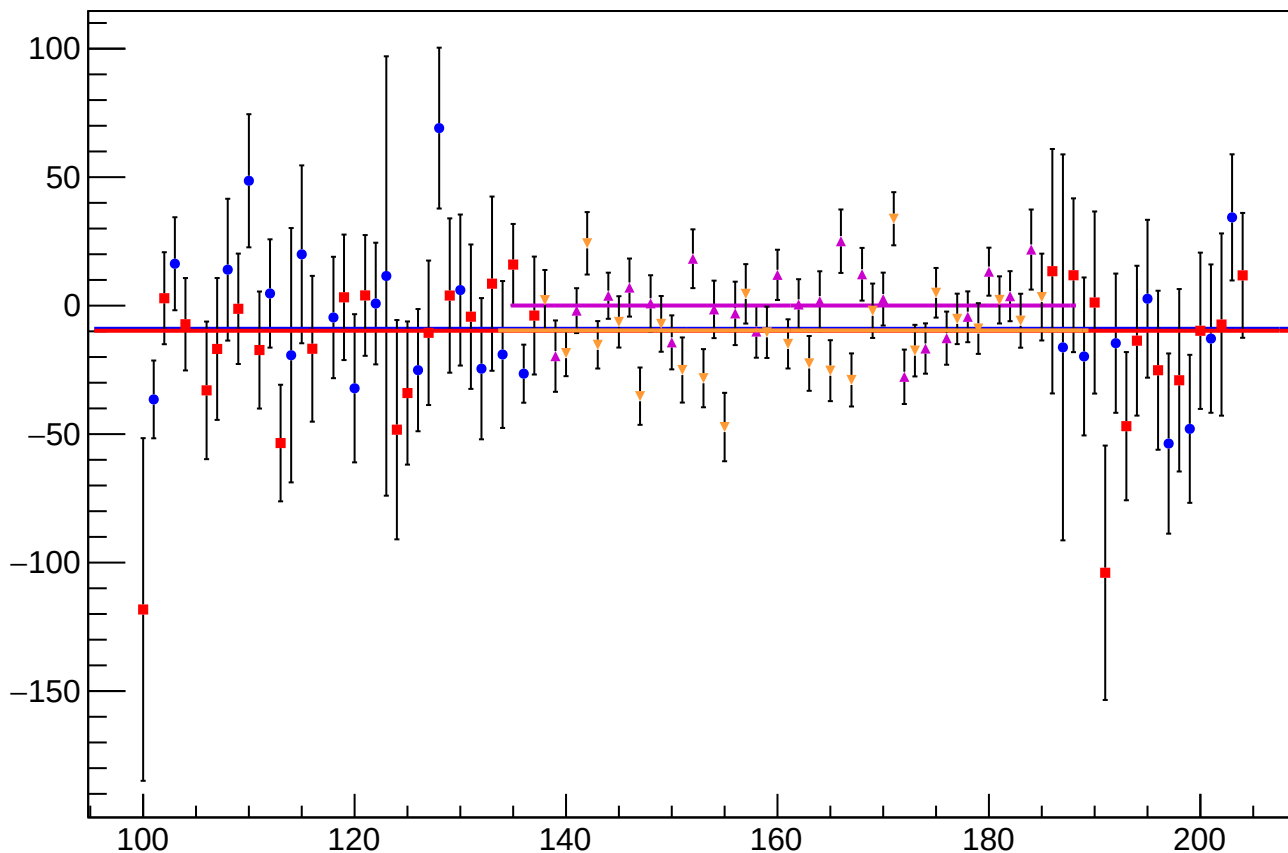
Left In: 6637.155 $\pm$ 1.136 χ^2 /NDF: 415547.5/22

+ sign 6257.606 $\pm$ 0.816 χ^2 /NDF: 2079249.3/49

All: 6234.159 $\pm$ 0.573 χ^2 /NDF: 4906334.2/10

- sign 6211.452 $\pm$ 0.803 χ^2 /NDF: 2825461.5/52

diff_bpm4acX_mean vs Slug



Right In: -9.013 ± 4.909 χ^2/NDF : 29.7/24

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

Right Out: -9.778 ± 4.838 χ^2/NDF : 21.0/29

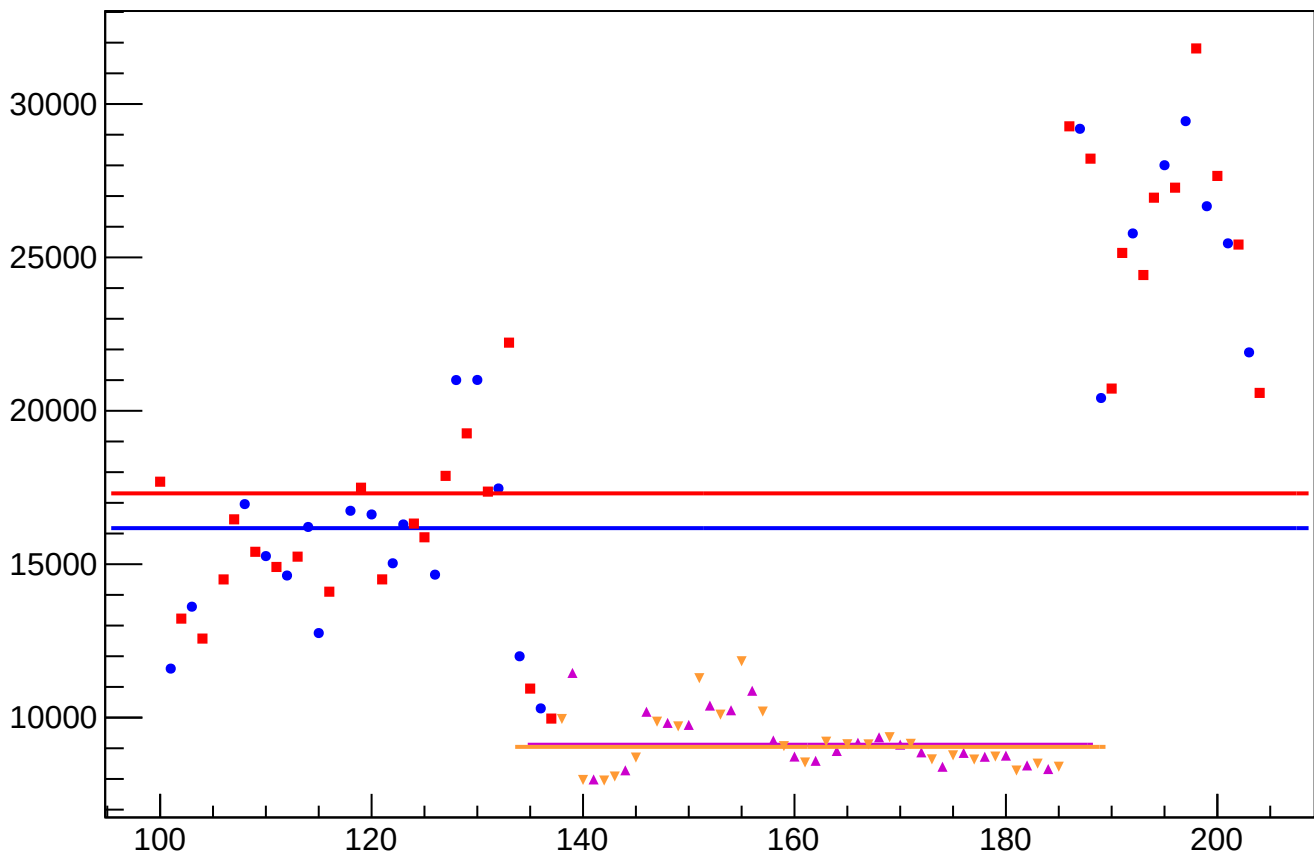
Left In: 0.042 ± 2.200 χ^2/NDF : 30.8/22

+ sign -9.541 ± 1.948 χ^2/NDF : 89.6/49

All: -5.701 ± 1.396 χ^2/NDF : 152.7/102

- sign -1.640 ± 2.003 χ^2/NDF : 55.1/52

diff_bpm4acX_rms vs Slug



Right In: 16175.560+/-3.471 χ^2/NDF : 2475106.3/24

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

Right Out: 17308.670+/-3.421 χ^2/NDF : 2676485.4/29

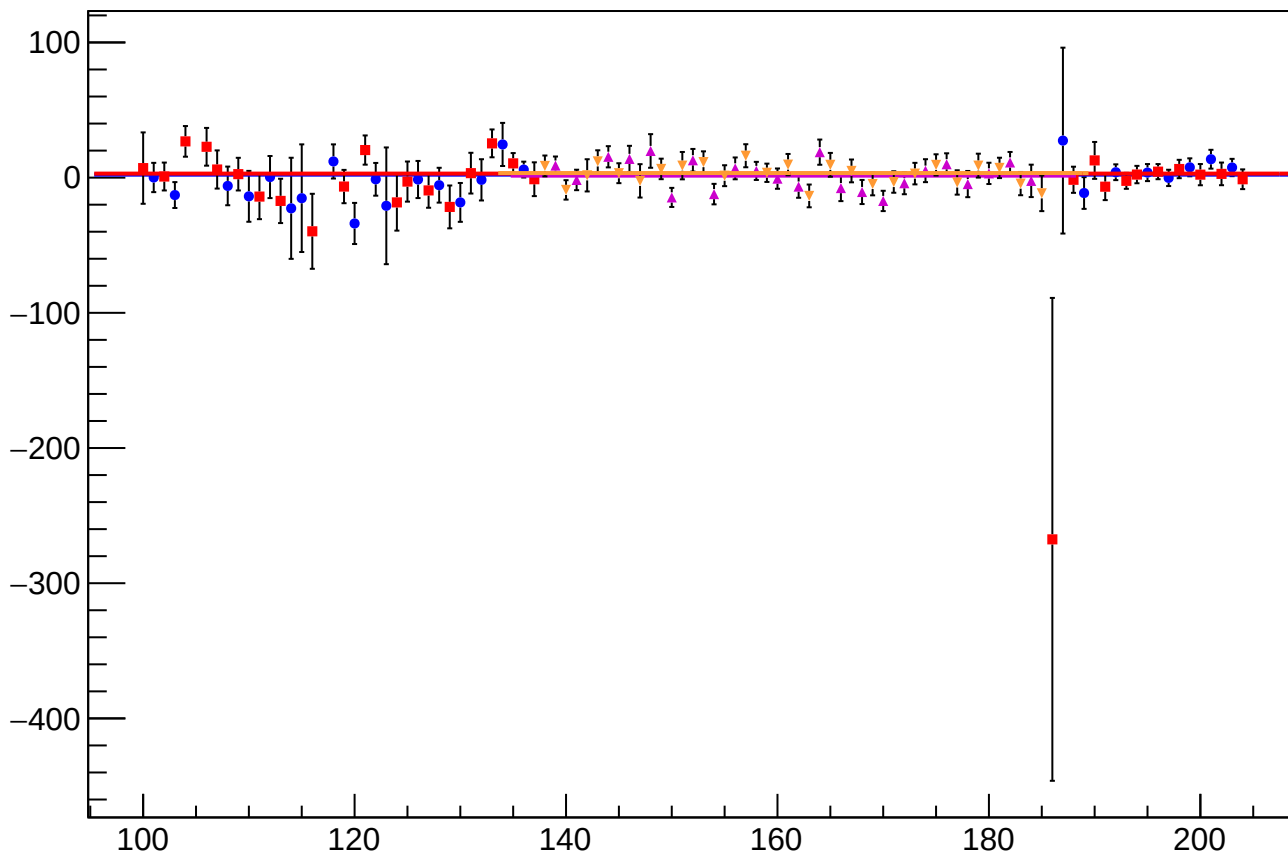
Left In: 9115.817+/-1.556 χ^2/NDF : 272471.8/22

+ sign 10168.177+/-1.377 χ^2/NDF : 6358519.0/49

All: 10338.975+/-0.987 χ^2/NDF : 14090963.5

- sign 10519.594+/-1.416 χ^2/NDF : 7700797.0/52

diff_bpm4acY_mean vs Slug



Right In: 2.206 $\pm$ 1.956 χ^2 /NDF: 21.6/24

Left Out: 3.387 $\pm$ 1.668 χ^2 /NDF:19.4/24

Right Out: 2.983 $\pm$ 1.839 χ^2 /NDF: 30.5/29

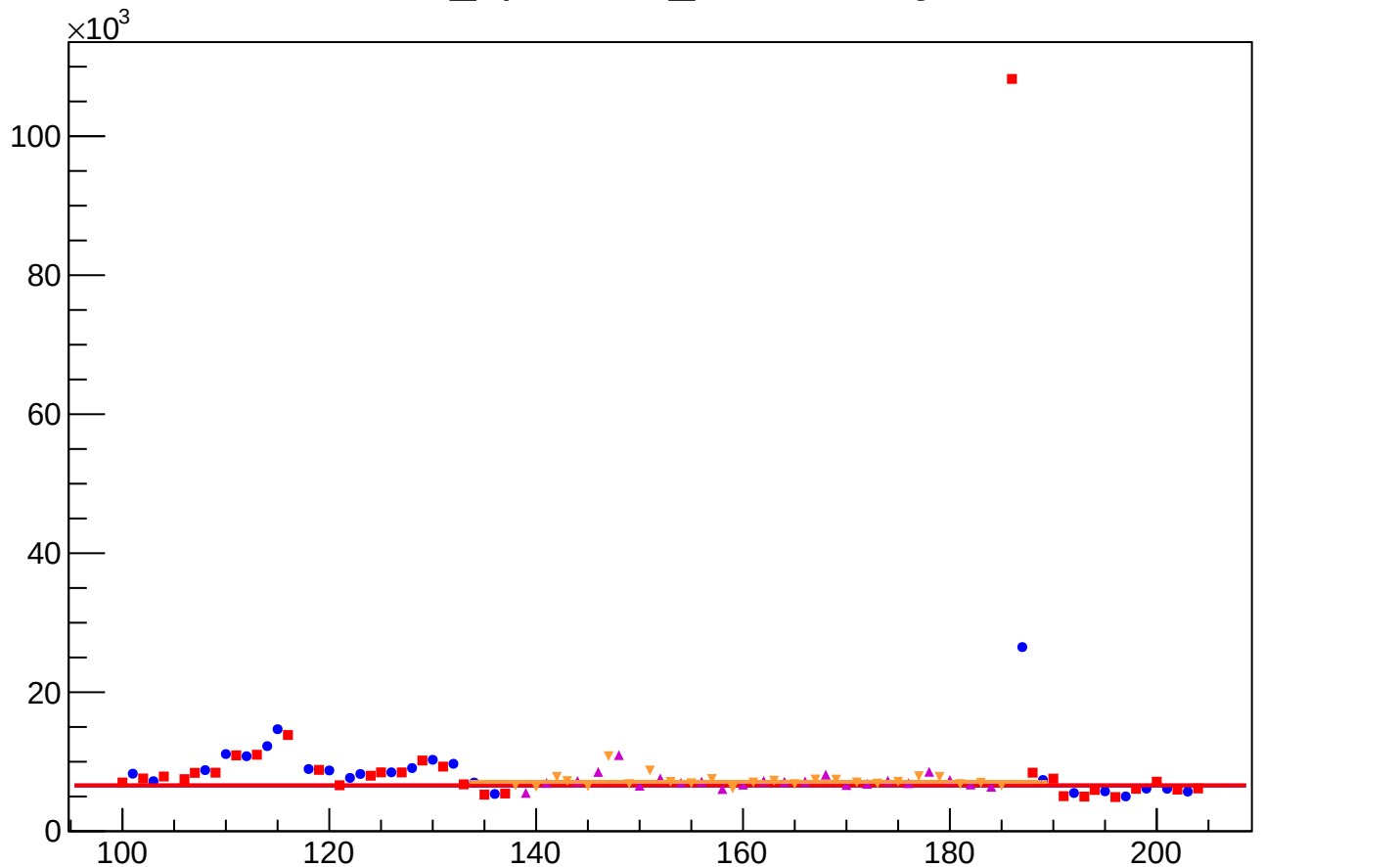
Left In: 1.479 $\pm$ 1.710 χ^2 /NDF:36.7/22

+ sign 2.890 $\pm$ 1.269 χ^2 /NDF: 41.2/49

All: 2.529 $\pm$ 0.891 χ^2 /NDF: 108.9/102

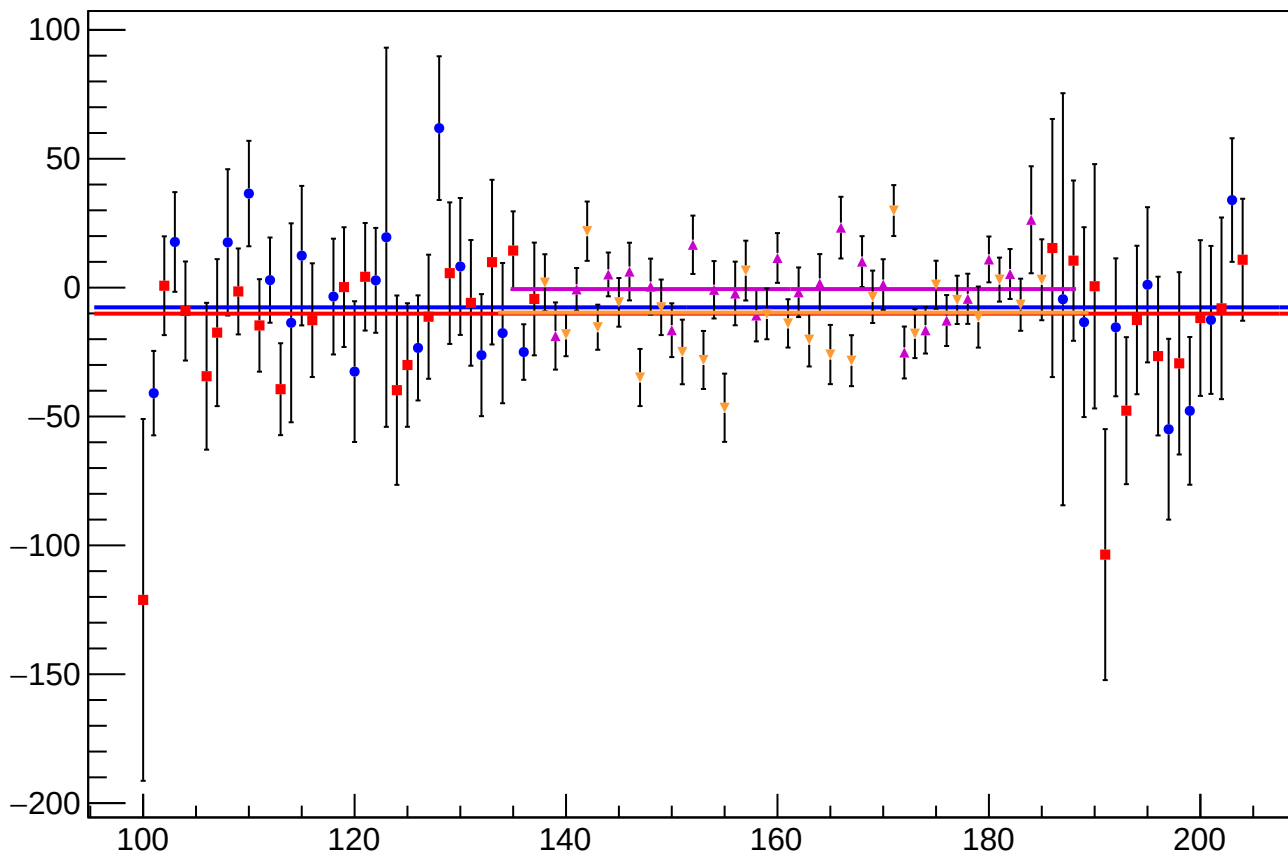
- sign 2.177 $\pm$ 1.252 χ^2 /NDF: 67.6/52

diff_bpm4acY_rms vs Slug



Right In: 6578.639 ± 1.383 $\chi^2/\text{NDF}: 1516954.0/24$ + sign 6878.435 ± 0.897 $\chi^2/\text{NDF}: 1980010.1/49$
 Left Out: 7096.350 ± 1.179 $\chi^2/\text{NDF}: 381942.1/24$ All: 6858.299 ± 0.630 $\chi^2/\text{NDF}: 4667267.2/10$
 Right Out: 6597.474 ± 1.300 $\chi^2/\text{NDF}: 2104678.4/29$ - sign 6838.691 ± 0.886 $\chi^2/\text{NDF}: 2686263.4/52$
 Left In: 7047.269 ± 1.209 $\chi^2/\text{NDF}: 517433.5/22$

diff_bpm4ecX_mean vs Slug



Right In: -7.645 ± 4.618 χ^2/NDF : 31.1/24

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

Right Out: -10.092 ± 4.516 χ^2/NDF : 19.6/29

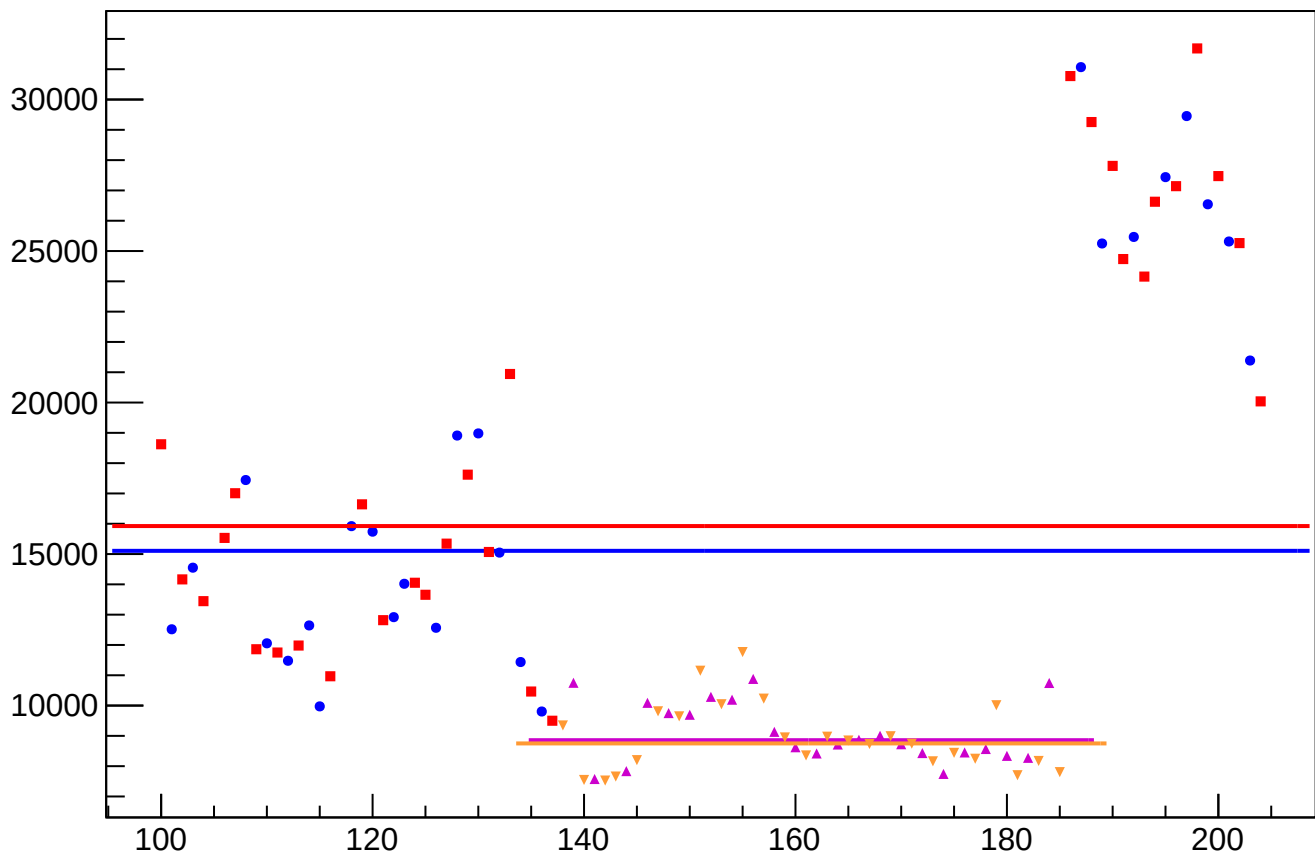
Left In: -0.564 ± 2.144 χ^2/NDF : 29.7/22

+ sign -9.334 ± 1.882 χ^2/NDF : 89.1/49

All: -5.926 ± 1.350 χ^2/NDF : 148.9/102

- sign -2.316 ± 1.937 χ^2/NDF : 53.0/52

diff_bpm4ecX_rms vs Slug



Right In: 15106.253+/-3.266 χ^2/NDF : 2854440.0/24

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

Right Out: 15923.846+/-3.194 χ^2/NDF : 3375395.3/29

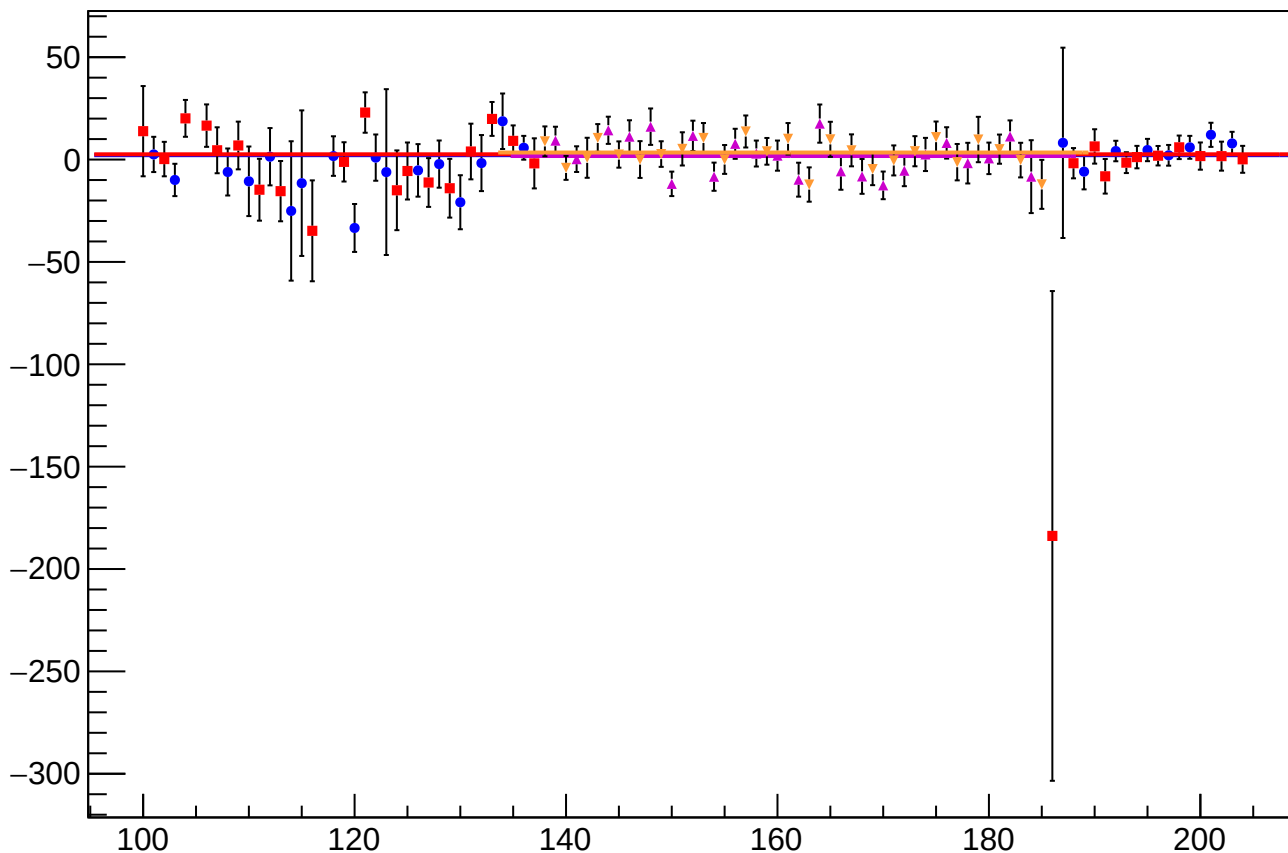
Left In: 8857.329+/-1.516 χ^2/NDF : 361778.8/22

+ sign 9805.623+/-1.331 χ^2/NDF : 6477242.3/49

All: 9976.067+/-0.954 χ^2/NDF : 14244081.0/100

- sign 10156.579+/-1.369 χ^2/NDF : 7733054.8/52

diff_bpm4ecY_mean vs Slug



Right In: 2.139 $\pm$ 1.686 χ^2 /NDF: 24.6/24

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

Right Out: 2.565 $\pm$ 1.567 χ^2 /NDF: 30.6/29

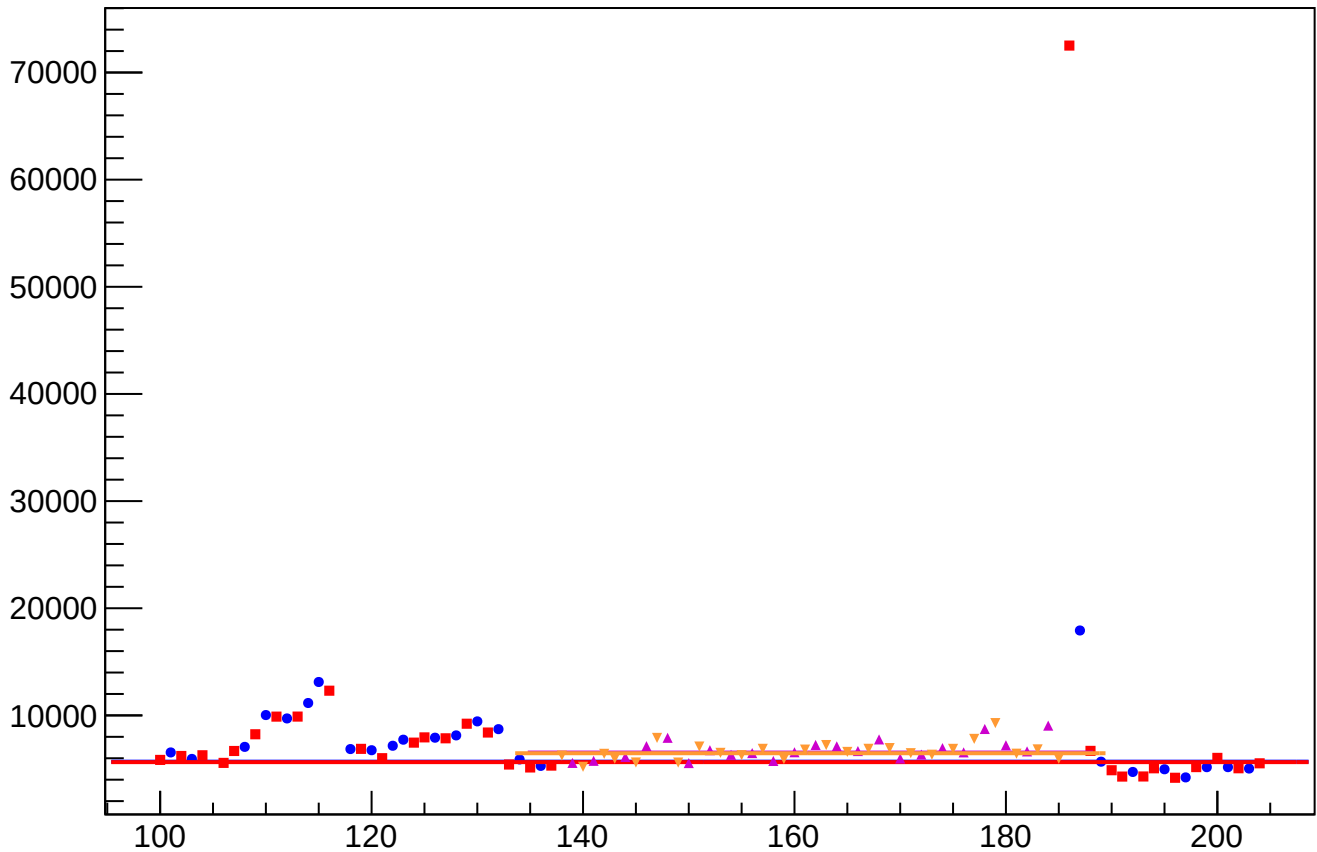
Left In: 1.734 $\pm$ 1.586 χ^2 /NDF:33.6/22

+ sign 2.850 $\pm$ 1.131 χ^2 /NDF: 41.1/49

All: 2.497 $\pm$ 0.794 χ^2 /NDF: 105.6/102

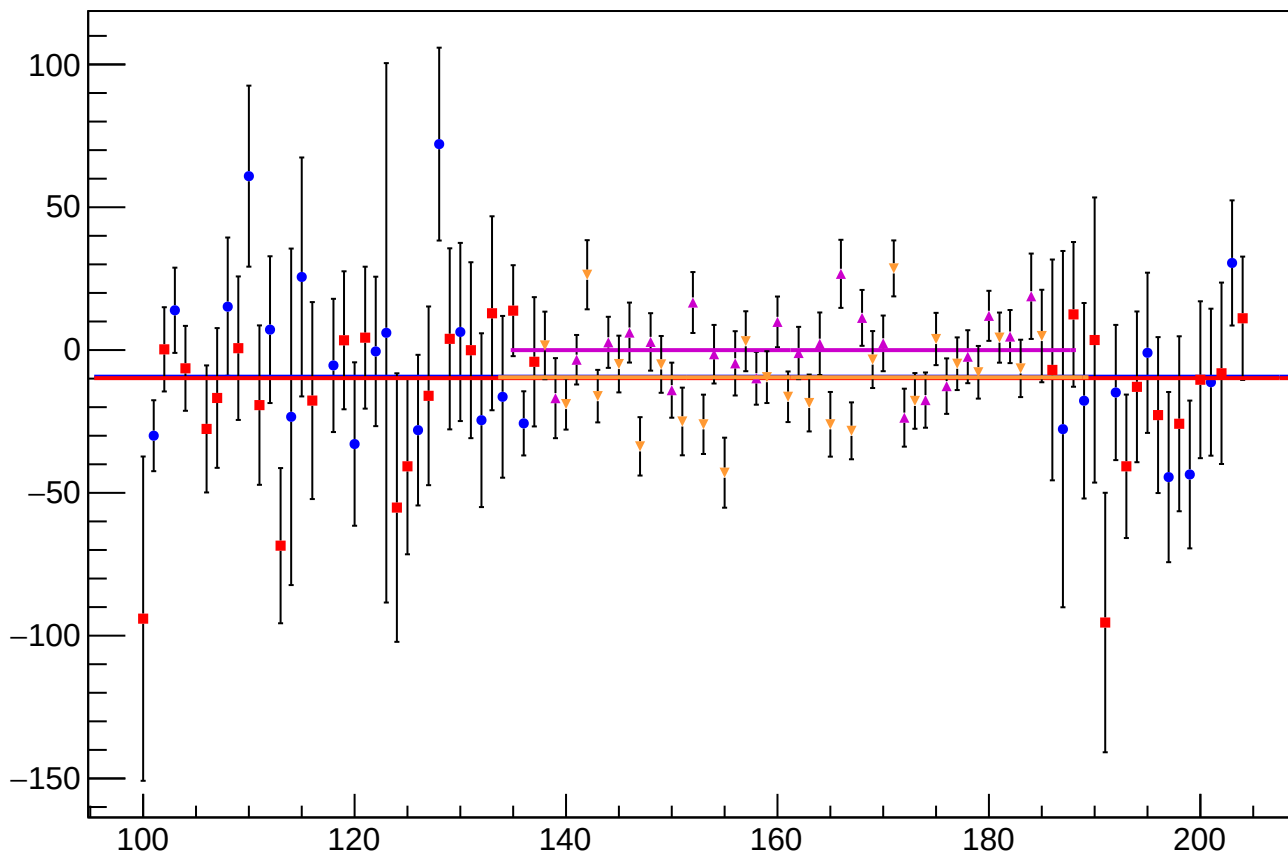
- sign 2.155 $\pm$ 1.115 χ^2 /NDF: 64.3/52

diff_bpm4ecY_rms vs Slug



Right In: 5682.062+/-1.192	χ^2/NDF : 1467283.2/24	+ sign 6114.665+/-0.800	χ^2/NDF : 2193938.4/49
Left Out: 6468.872+/-1.079	χ^2/NDF : 487187.3/24	All: 6096.843+/-0.561	χ^2/NDF : 5099837.7/10
Right Out: 5638.917+/-1.108	χ^2/NDF : 2120016.6/29	- sign 6079.543+/-0.788	χ^2/NDF : 2904921.1/52
Left In: 6530.954+/-1.121	χ^2/NDF : 464668.6/22		

diff_bpm1X_mean vs Slug



Right In: -9.324 ± 4.732 χ^2/NDF : 28.9/24

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

Right Out: -9.838 ± 4.669 χ^2/NDF : 21.4/29

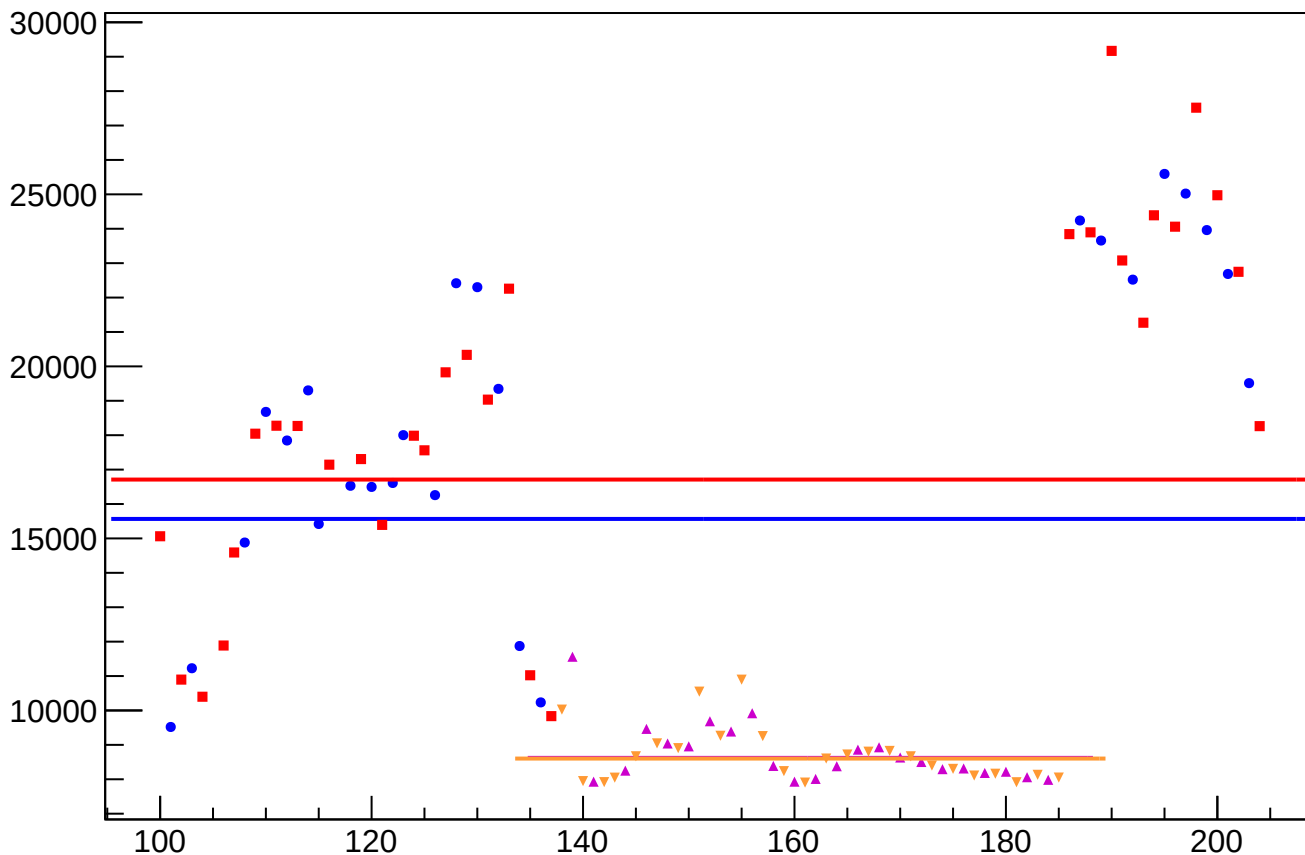
Left In: -0.027 ± 2.080 χ^2/NDF : 29.9/22

+ sign -9.497 ± 1.854 χ^2/NDF : 88.4/49

All: -5.670 ± 1.327 χ^2/NDF : 152.2/102

- sign -1.651 ± 1.900 χ^2/NDF : 55.0/52

diff_bpm1X_rms vs Slug



Right In: 15566.403+/-3.346 χ^2/NDF : 2598973.0/24

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

Right Out: 16710.550+/-3.302 χ^2/NDF : 2647008.1/29

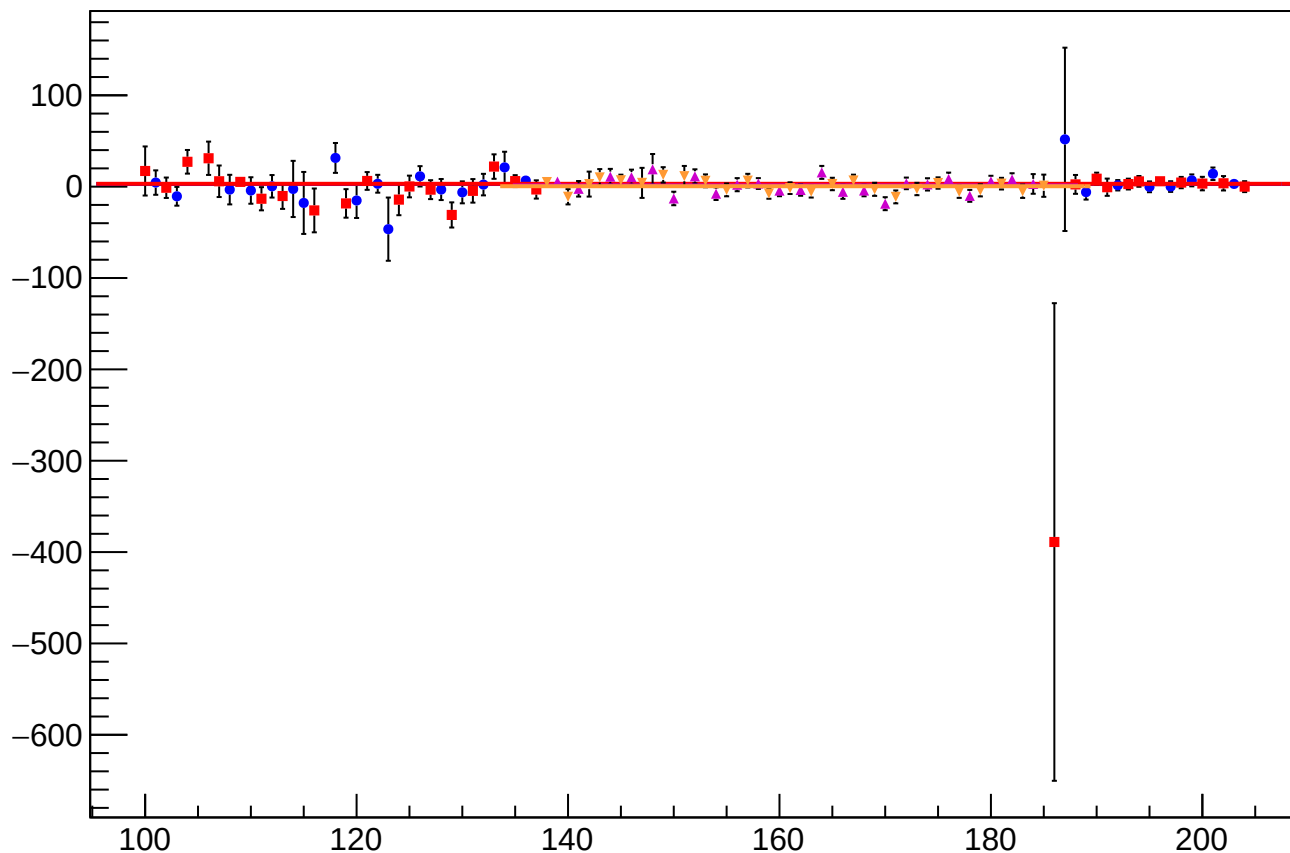
Left In: 8621.975+/-1.471 χ^2/NDF : 230824.4/22

+ sign 9671.104+/-1.311 χ^2/NDF : 6514939.1/49

All: 9812.580+/-0.938 χ^2/NDF : 14424686.4/1

- sign 9961.132+/-1.343 χ^2/NDF : 7885875.4/52

diff_bpm1Y_mean vs Slug



Right In: 2.889 ± 1.787 χ^2/NDF : 16.8/24

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

Right Out: 3.109 ± 1.598 χ^2/NDF : 27.0/29

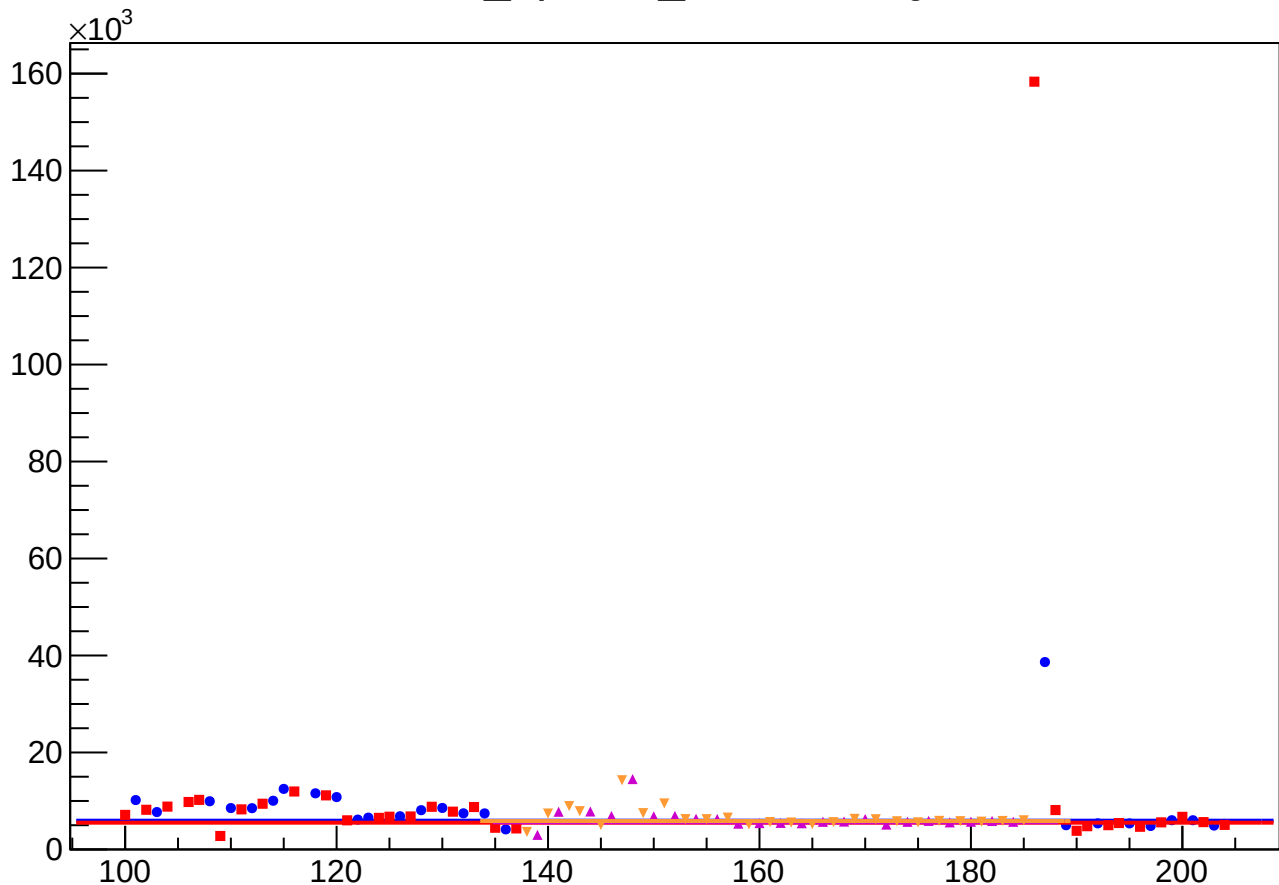
Left In: 1.298 ± 1.406 χ^2/NDF : 33.0/22

+ sign 1.412 ± 1.111 χ^2/NDF : 37.5/49

All: 1.767 ± 0.765 χ^2/NDF : 98.4/102

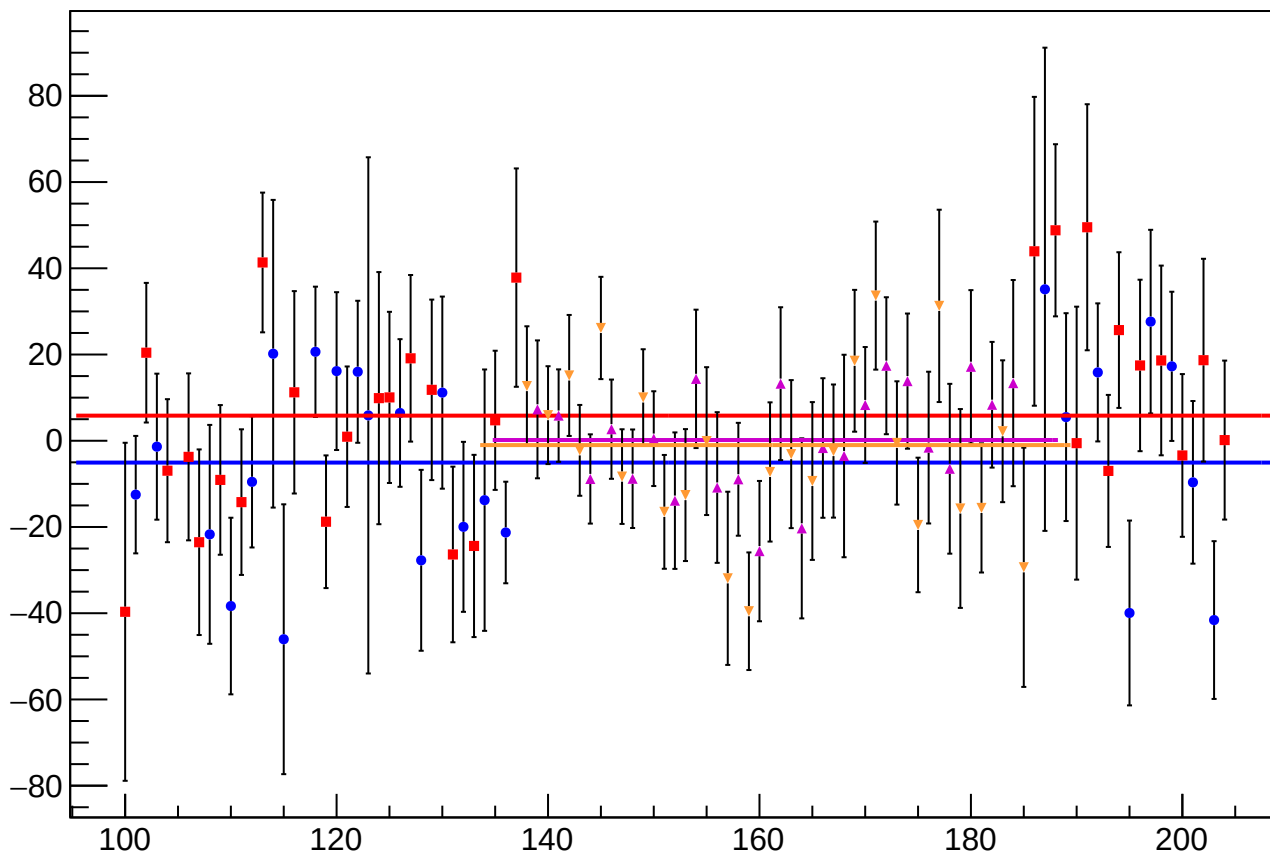
- sign 2.088 ± 1.056 χ^2/NDF : 60.7/52

diff_bpm1Y_rms vs Slug



Right In: 5931.040 ± 1.264 $\chi^2/\text{NDF}: 1969630.1/24$ + sign 5886.637 ± 0.786 $\chi^2/\text{NDF}: 3662986.7/49$
 Left Out: 5858.642 ± 1.004 $\chi^2/\text{NDF}: 1691344.1/24$ All: 5717.543 ± 0.541 $\chi^2/\text{NDF}: 9239053.8/10$
 Right Out: 5523.724 ± 1.130 $\chi^2/\text{NDF}: 3395896.1/29$ - sign 5564.963 ± 0.747 $\chi^2/\text{NDF}: 5488007.5/52$
 Left In: 5596.879 ± 0.994 $\chi^2/\text{NDF}: 2089750.1/22$

diff_bpm11X_mean vs Slug



Right In: -5.062 ± 3.826 $\chi^2/\text{NDF}: 29.4/24$

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

Right Out: 5.826 ± 3.626 $\chi^2/\text{NDF}: 32.5/29$

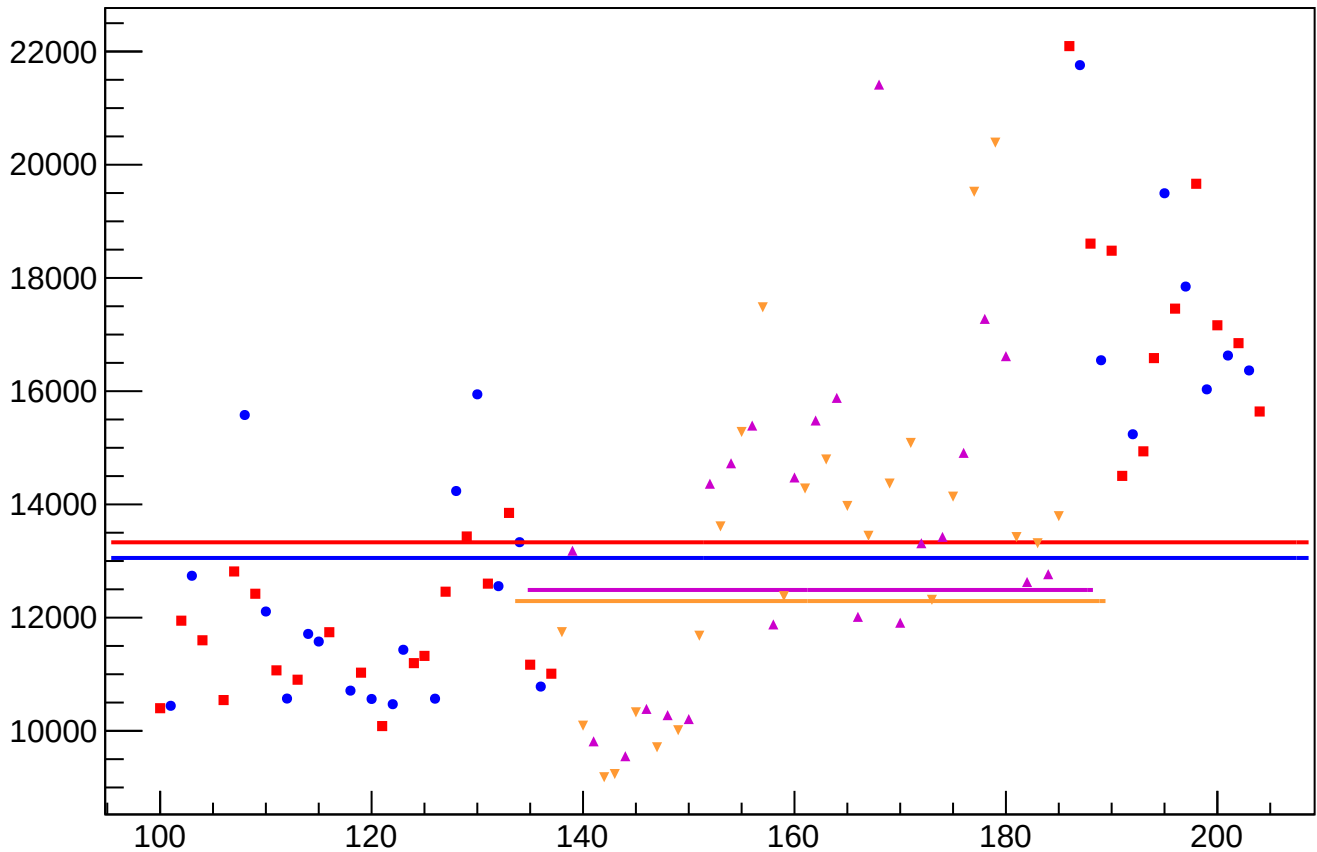
Left In: 0.172 ± 3.067 $\chi^2/\text{NDF}: 12.4/22$

+ sign -2.513 ± 2.332 $\chi^2/\text{NDF}: 63.6/49$

All: -0.002 ± 1.652 $\chi^2/\text{NDF}: 112.2/102$

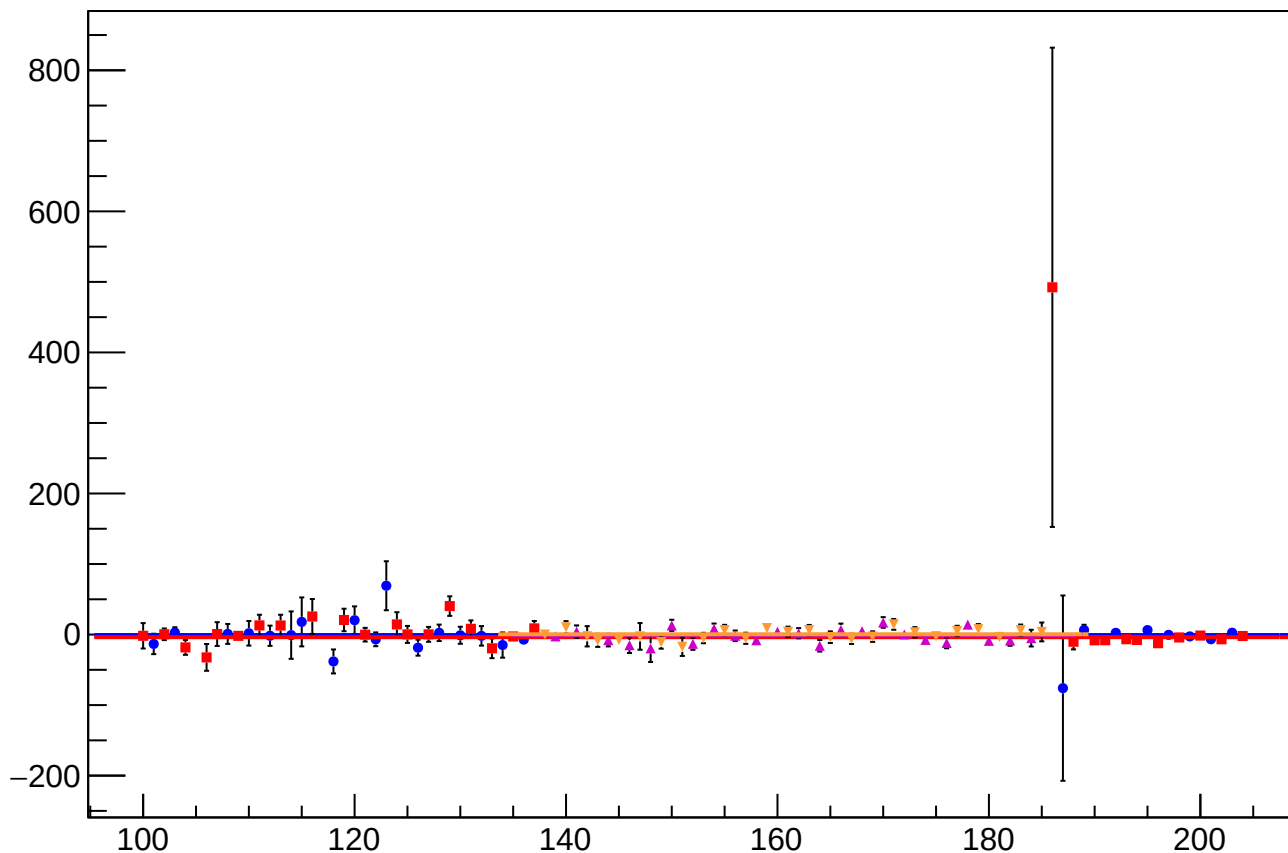
- sign 2.530 ± 2.342 $\chi^2/\text{NDF}: 46.3/52$

diff_bpm11X_rms vs Slug



Right In: 13054.072 $\pm$ 2.706	χ^2 /NDF: 1058827.5/24	+ sign 12575.448 $\pm$ 1.649	χ^2 /NDF: 2611162.9/49
Left Out: 12292.583 $\pm$ 2.080	χ^2 /NDF: 1502548.3/24	All: 12707.085 $\pm$ 1.168	χ^2 /NDF: 5250641.5/1
Right Out: 13330.507 $\pm$ 2.564	χ^2 /NDF: 1209388.2/29	- sign 12839.834 $\pm$ 1.656	χ^2 /NDF: 2626680.0/52
Left In: 12488.821 $\pm$ 2.169	χ^2 /NDF: 1354485.4/22		

diff_bpm11Y_mean vs Slug



Right In: -0.723 ± 1.579 χ^2/NDF : 22.4/24

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

Right Out: -3.739 ± 1.410 χ^2/NDF : 33.8/29

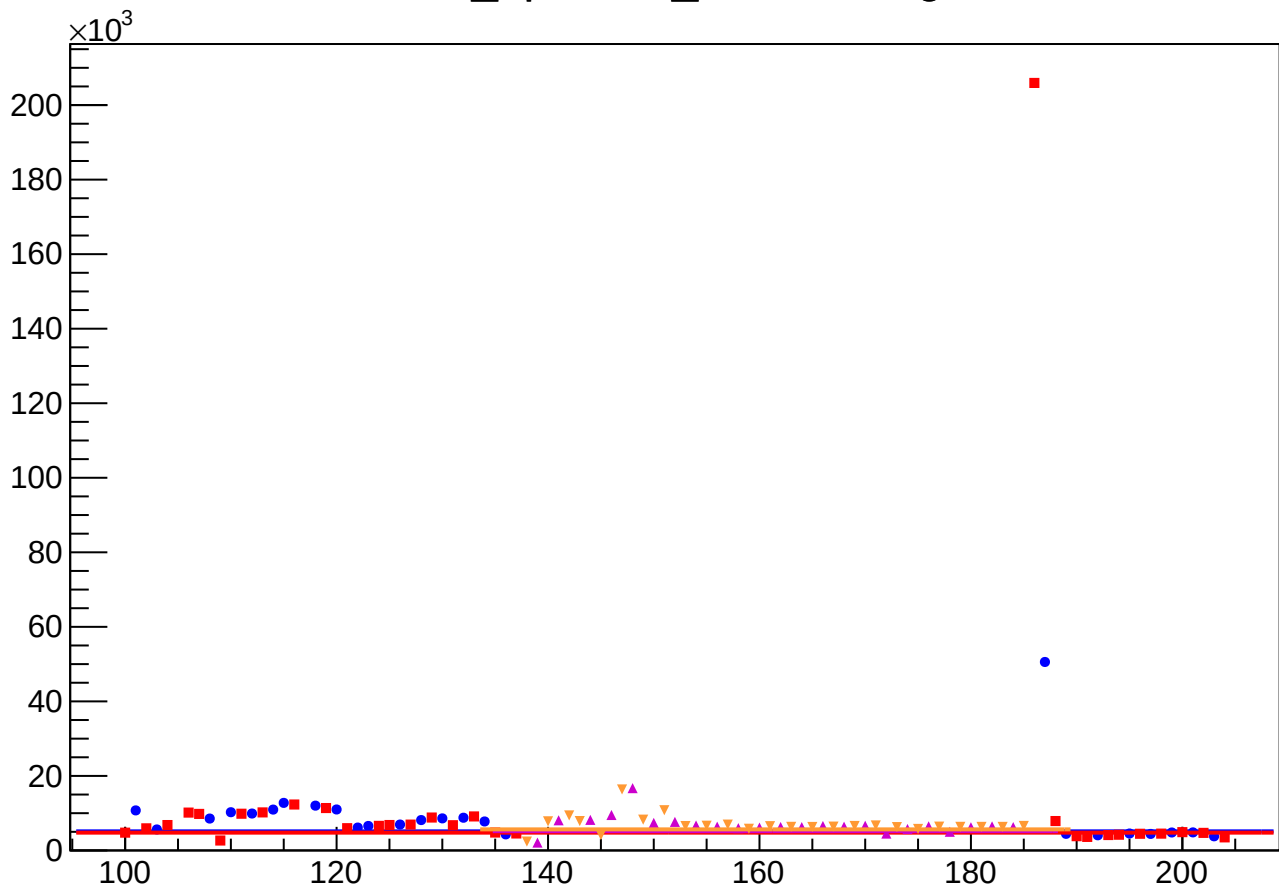
Left In: -1.278 ± 1.386 χ^2/NDF : 34.0/22

+ sign -0.102 ± 1.062 χ^2/NDF : 42.0/49

All: -1.380 ± 0.723 χ^2/NDF : 114.0/102

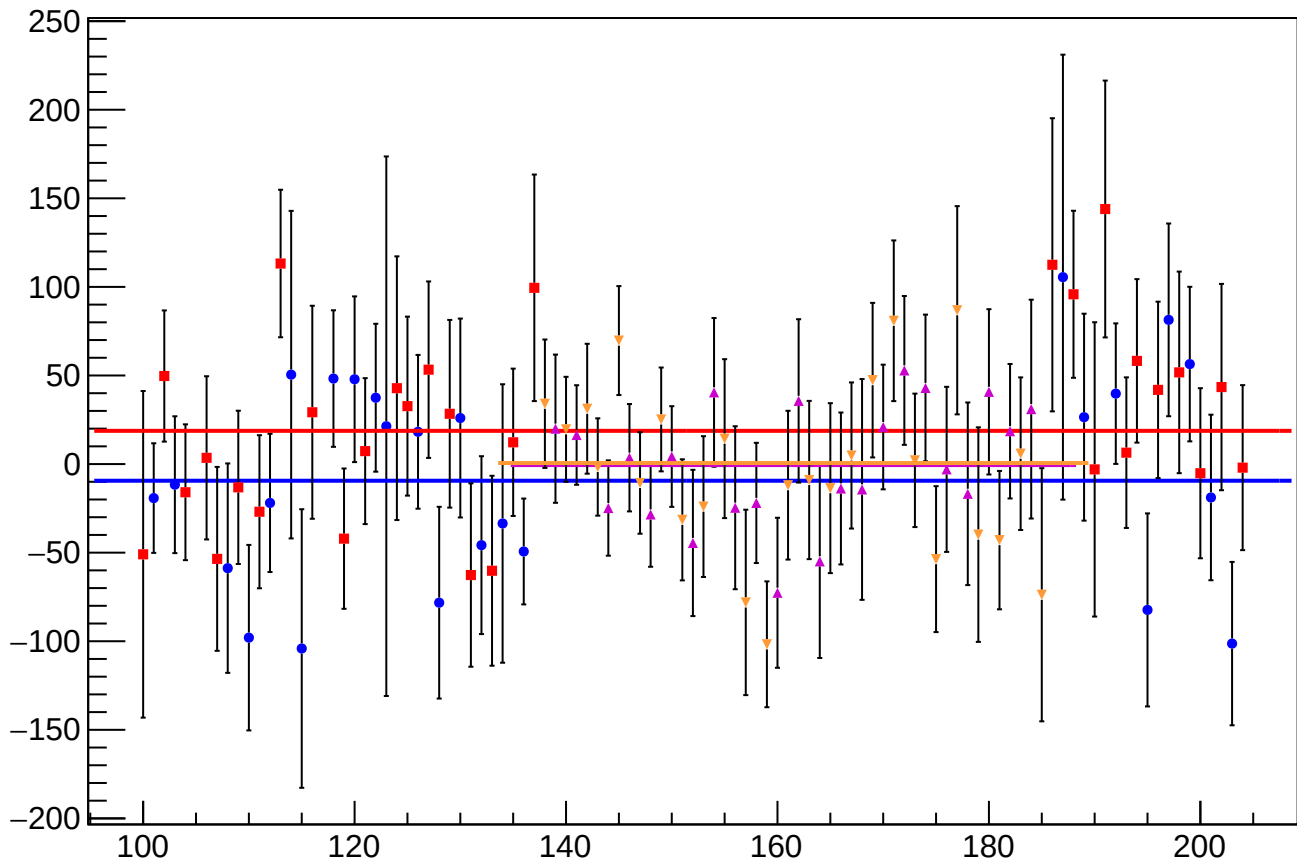
- sign -2.487 ± 0.988 χ^2/NDF : 69.3/52

diff_bpm11Y_rms vs Slug



Right In: 5126.447 ± 1.117 $\chi^2/\text{NDF}: 2752485.5/24$ + sign 5416.364 ± 0.751 $\chi^2/\text{NDF}: 6999660.6/49$
 Left Out: 5655.639 ± 1.014 $\chi^2/\text{NDF}: 4124124.3/24$ All: 5185.142 ± 0.512 $\chi^2/\text{NDF}: 16311291.7/1$
 Right Out: 4782.151 ± 0.997 $\chi^2/\text{NDF}: 3703282.0/29$ - sign 4984.867 ± 0.699 $\chi^2/\text{NDF}: 9134653.2/52$
 Left In: 5180.743 ± 0.980 $\chi^2/\text{NDF}: 5350053.6/22$

diff_bpm12X_mean vs Slug



Right In: -9.404 ± 9.517 χ^2/NDF : 29.1/24

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

Right Out: 18.756 ± 9.033 χ^2/NDF : 29.4/29

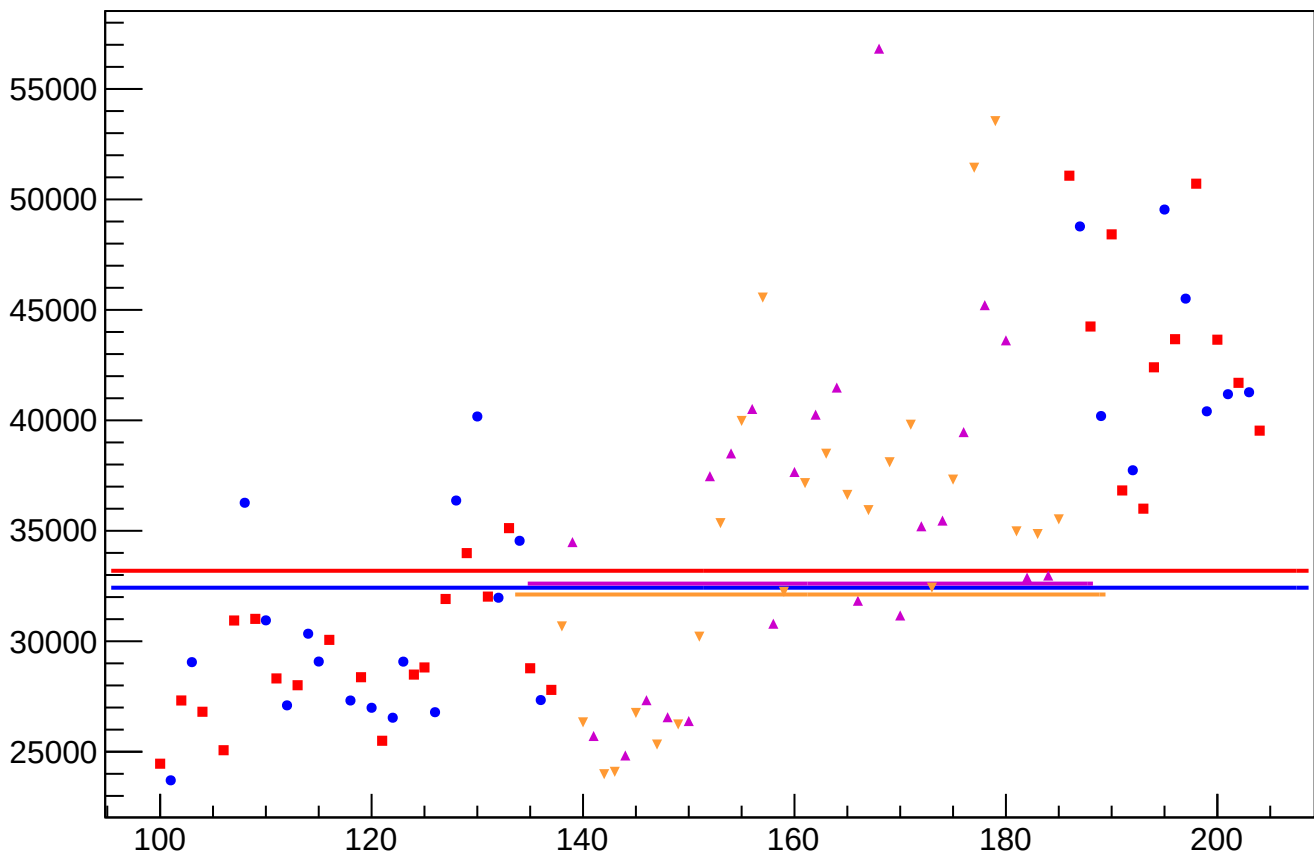
Left In: -0.565 ± 8.015 χ^2/NDF : 14.3/22

+ sign -3.364 ± 5.982 χ^2/NDF : 60.8/49

All: 2.278 ± 4.234 χ^2/NDF : 108.8/102

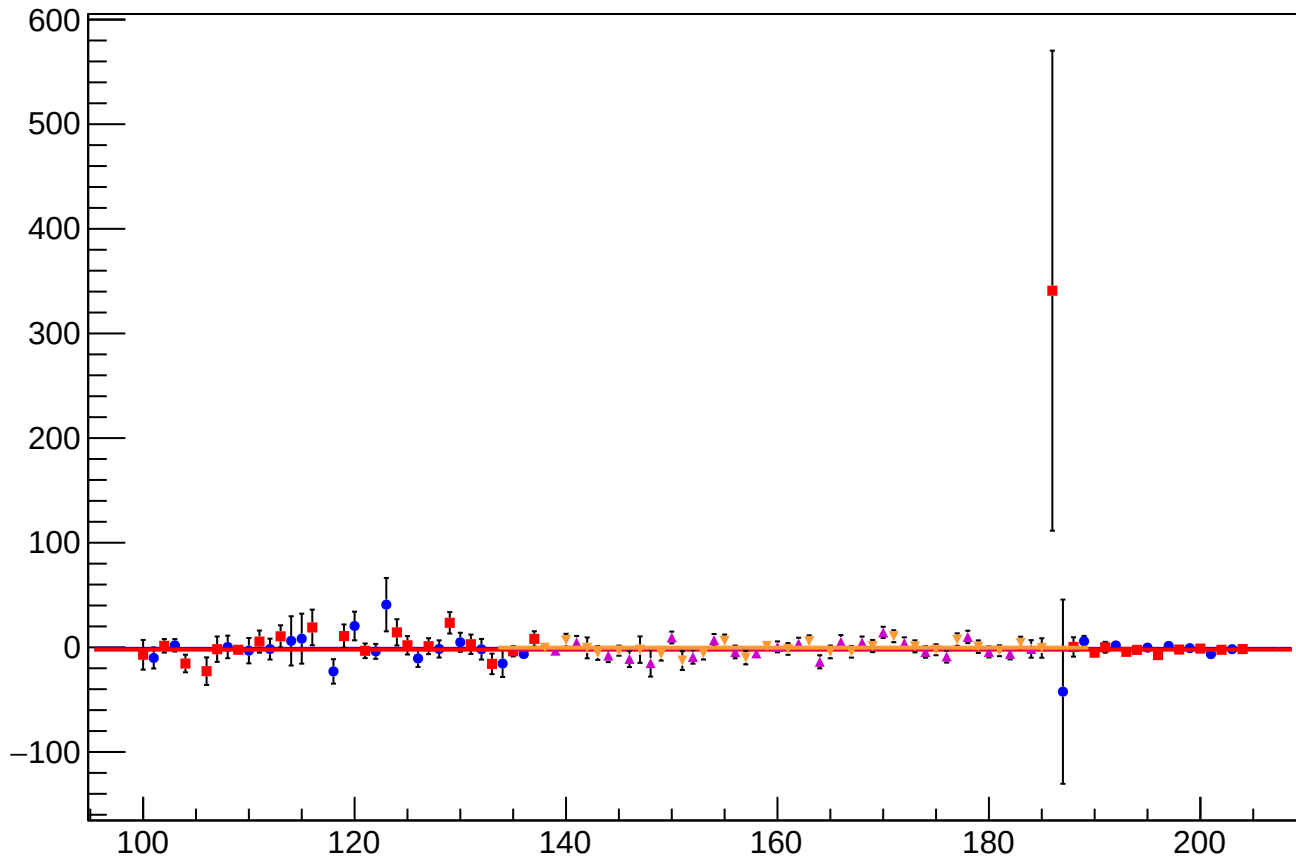
- sign 7.945 ± 5.995 χ^2/NDF : 46.2/52

diff_bpm12X_rms vs Slug



Right In: 32424.044+/-6.729	χ^2/NDF : 1100401.6/24	+ sign 32238.407+/-4.230	χ^2/NDF : 2638399.5/49
Left Out: 32117.184+/-5.438	χ^2/NDF : 1536740.0/24	All: 32551.429+/-2.994	χ^2/NDF : 5290811.3/52
Right Out: 33190.768+/-6.388	χ^2/NDF : 1238333.5/29	- sign 32865.860+/-4.239	χ^2/NDF : 2641433.3/52
Left In: 32610.108+/-5.667	χ^2/NDF : 1398475.8/22		

diff_bpm12Y_mean vs Slug



Right In: -1.434 ± 1.057 χ^2/NDF : 21.4/24

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

Right Out: -2.200 ± 0.979 χ^2/NDF : 29.1/29

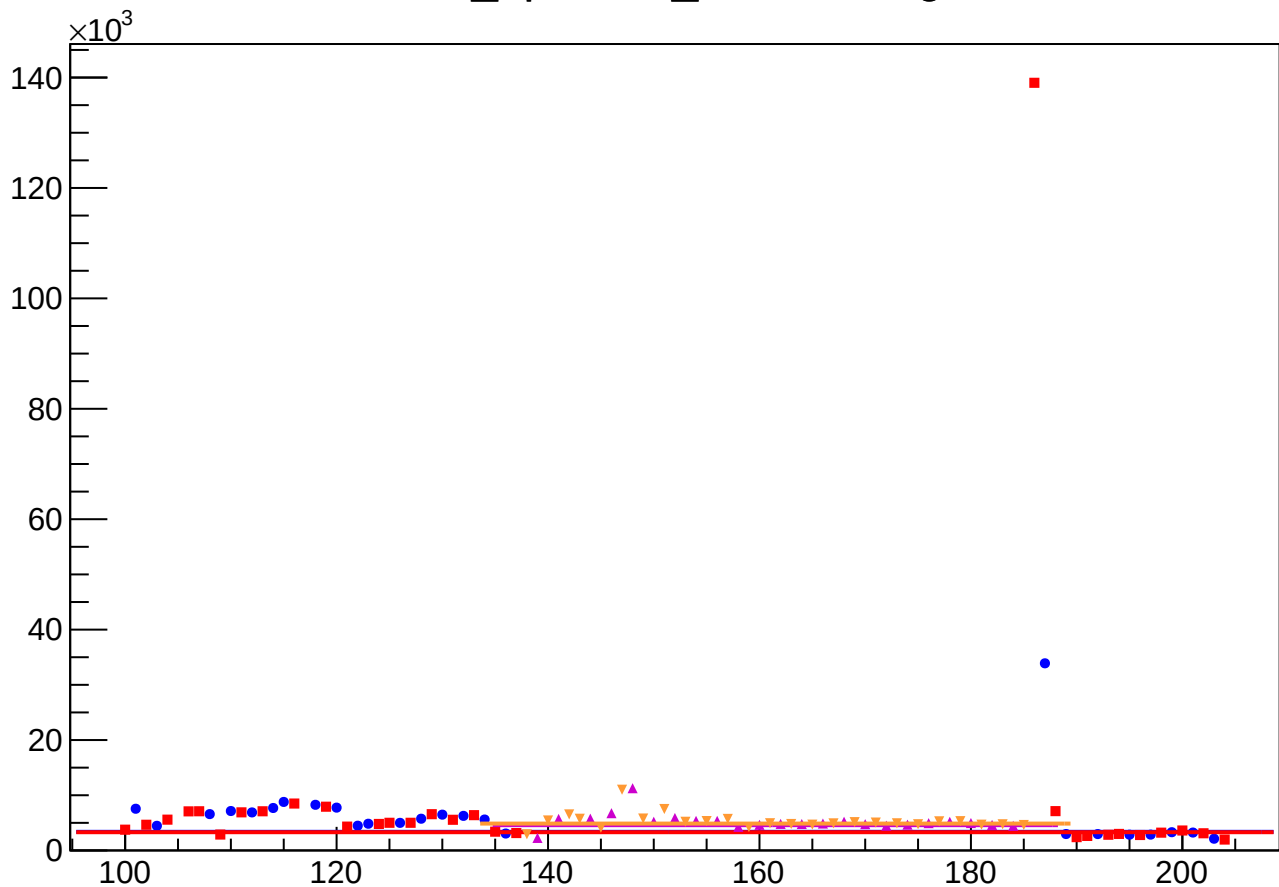
Left In: -0.925 ± 1.154 χ^2/NDF : 36.1/22

+ sign -0.905 ± 0.785 χ^2/NDF : 40.0/49

All: -1.305 ± 0.541 χ^2/NDF : 106.5/102

- sign -1.666 ± 0.747 χ^2/NDF : 65.9/52

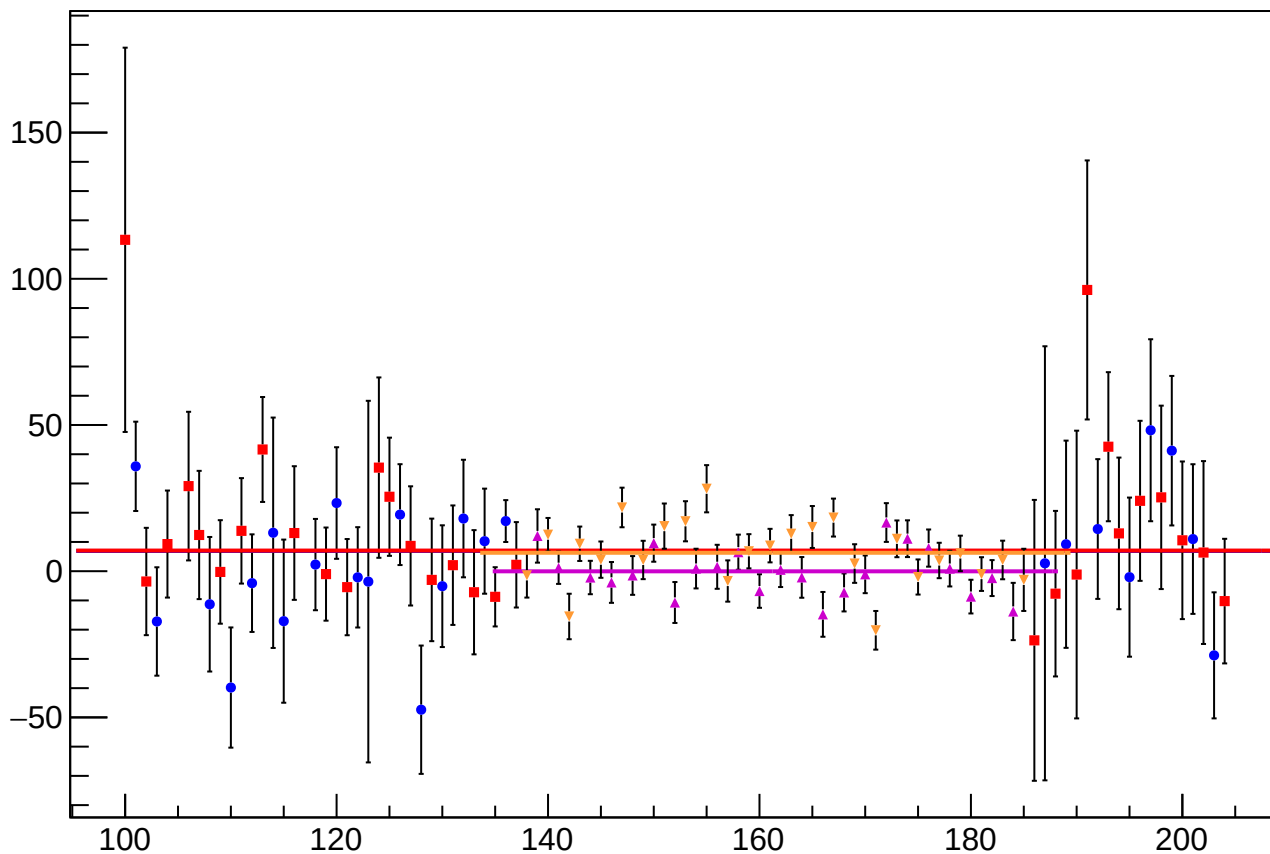
diff_bpm12Y_rms vs Slug



Right In: 3373.892 ± 0.748 χ^2/NDF : 3459677.0/24
 Left Out: 4866.528 ± 0.829 χ^2/NDF : 1511486.2/24
 Right Out: 3305.906 ± 0.693 χ^2/NDF : 4328154.8/29
 Left In: 4582.193 ± 0.816 χ^2/NDF : 2478681.0/22

+ sign 4042.978 ± 0.555 χ^2/NDF : 6758353.5/49
 All: 3936.598 ± 0.383 χ^2/NDF : 15057596.4/100
 - sign 3840.429 ± 0.528 χ^2/NDF : 8229356.9/52

diff_bpm16X_mean vs Slug



Right In: 6.922 ± 3.763 χ^2/NDF : 29.3/24

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

Right Out: 7.049 ± 3.819 χ^2/NDF : 21.8/29

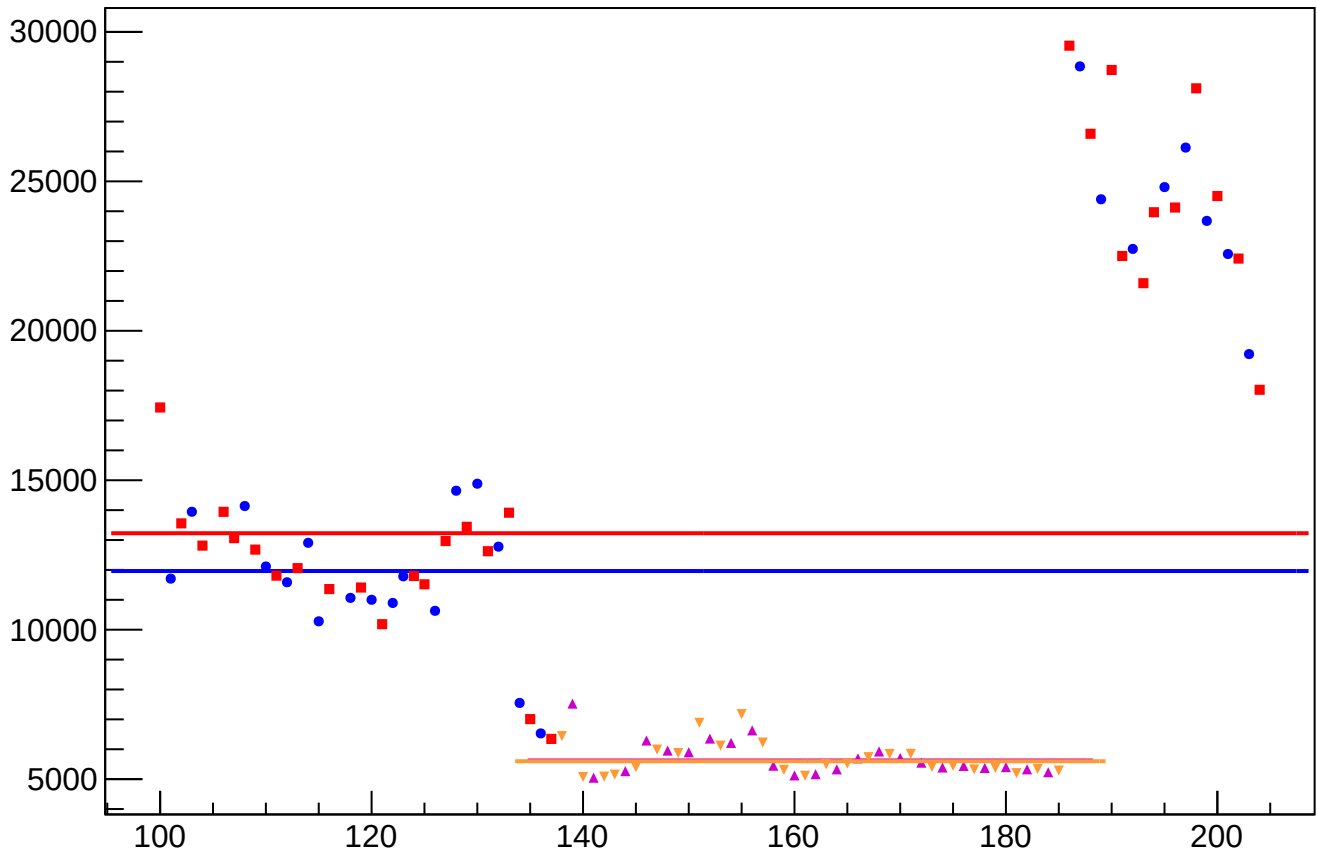
Left In: -0.044 ± 1.358 χ^2/NDF : 30.0/22

+ sign 6.369 ± 1.239 χ^2/NDF : 86.0/49

All: 3.650 ± 0.890 χ^2/NDF : 150.9/102

- sign 0.752 ± 1.279 χ^2/NDF : 54.9/52

diff_bpm16X_rms vs Slug



Right In: 11963.016 ± 2.661 χ^2/NDF : 4034109.0/24

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

Right Out: 13227.988 ± 2.701 χ^2/NDF : 4276395.8/29

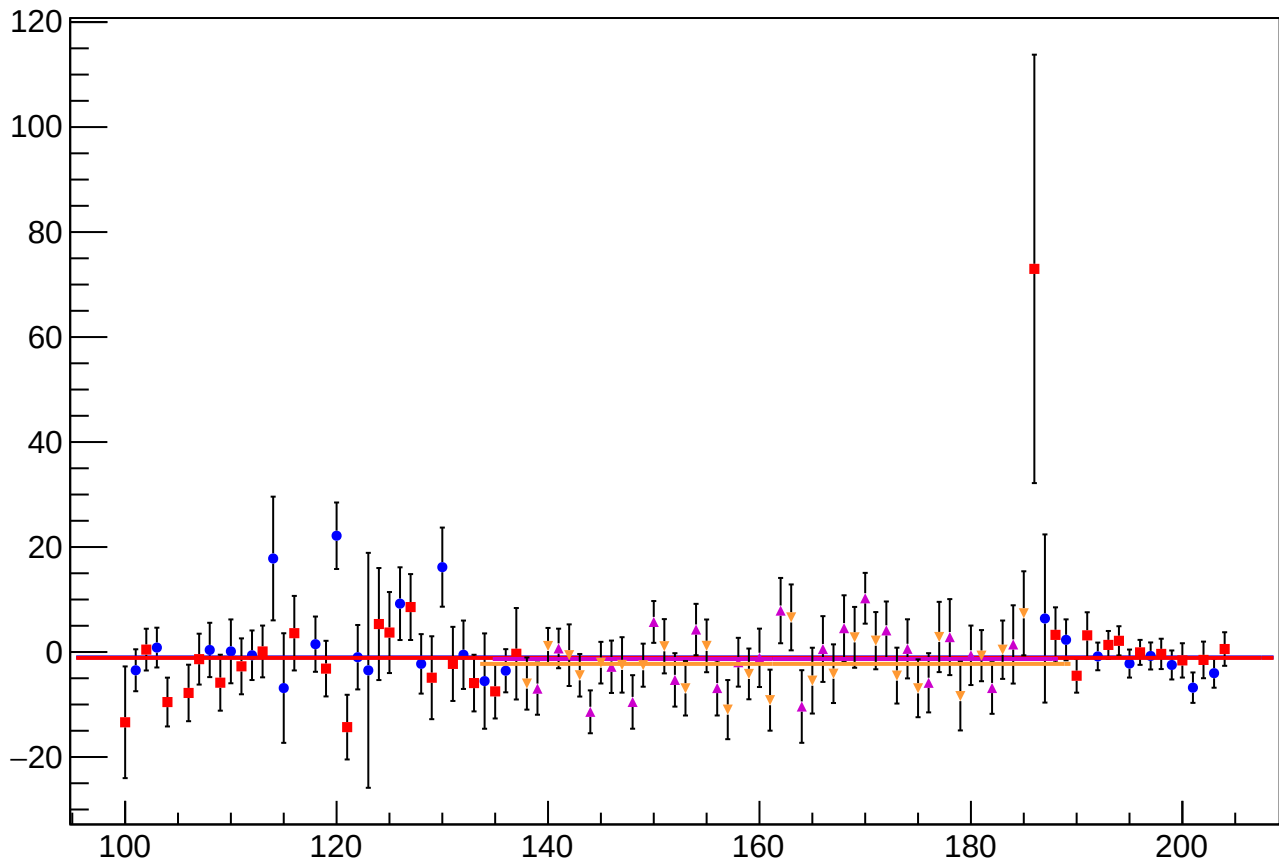
Left In: 5625.163 ± 0.960 χ^2/NDF : 272563.5/22

+ sign 6289.144 ± 0.876 χ^2/NDF : 9417899.1/49

All: 6380.649 ± 0.629 χ^2/NDF : 21025313.7/1

- sign 6478.154 ± 0.905 χ^2/NDF : 11584893.1/52

diff_bpm16Y_mean vs Slug



Right In: -1.029 ± 0.846 χ^2/NDF : 31.9/24

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

Right Out: -1.116 ± 0.794 χ^2/NDF : 27.0/29

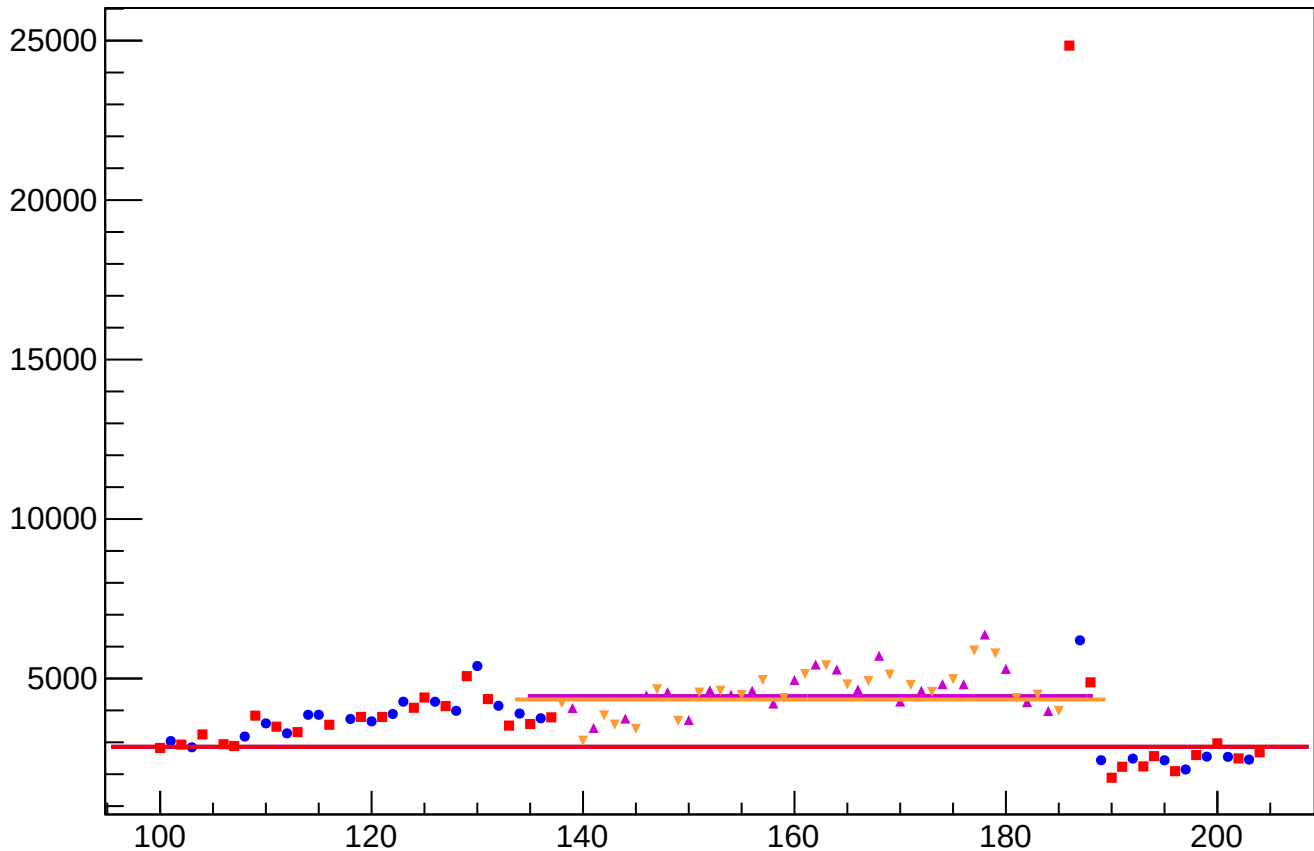
Left In: -1.328 ± 1.082 χ^2/NDF : 30.6/22

+ sign -1.526 ± 0.654 χ^2/NDF : 48.2/49

All: -1.354 ± 0.457 χ^2/NDF : 106.0/102

- sign -1.190 ± 0.640 χ^2/NDF : 57.6/52

diff_bpm16Y_rms vs Slug



Right In: 2858.774 $\pm$ 0.598 χ^2 /NDF: 1271453.7/24

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

Right Out: 2860.823 $\pm$ 0.561 χ^2 /NDF: 2263531.1/29

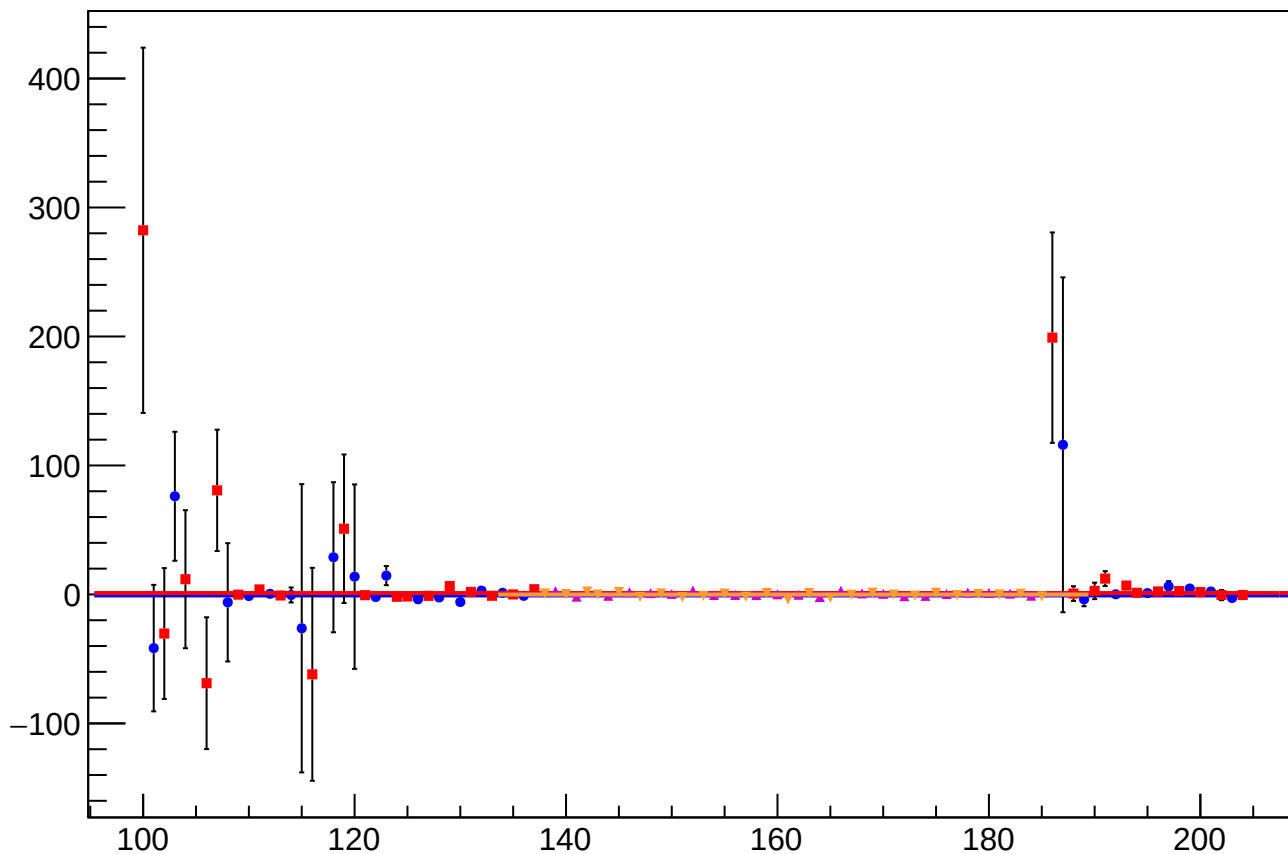
Left In: 4450.007 $\pm$ 0.765 χ^2 /NDF:693229.8/22

+ sign 3456.480 $\pm$ 0.462 χ^2 /NDF: 4742694.1/49

All: 3436.255 $\pm$ 0.323 χ^2 /NDF: 10507985.2/100

- sign 3416.873 $\pm$ 0.453 χ^2 /NDF: 5761543.2/52

diff_bpm1p02bX_mean vs Slug



Right In: -0.772 ± 0.651 χ^2/NDF : 25.9/24

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

Right Out: 1.088 ± 0.617 χ^2/NDF : 34.8/29

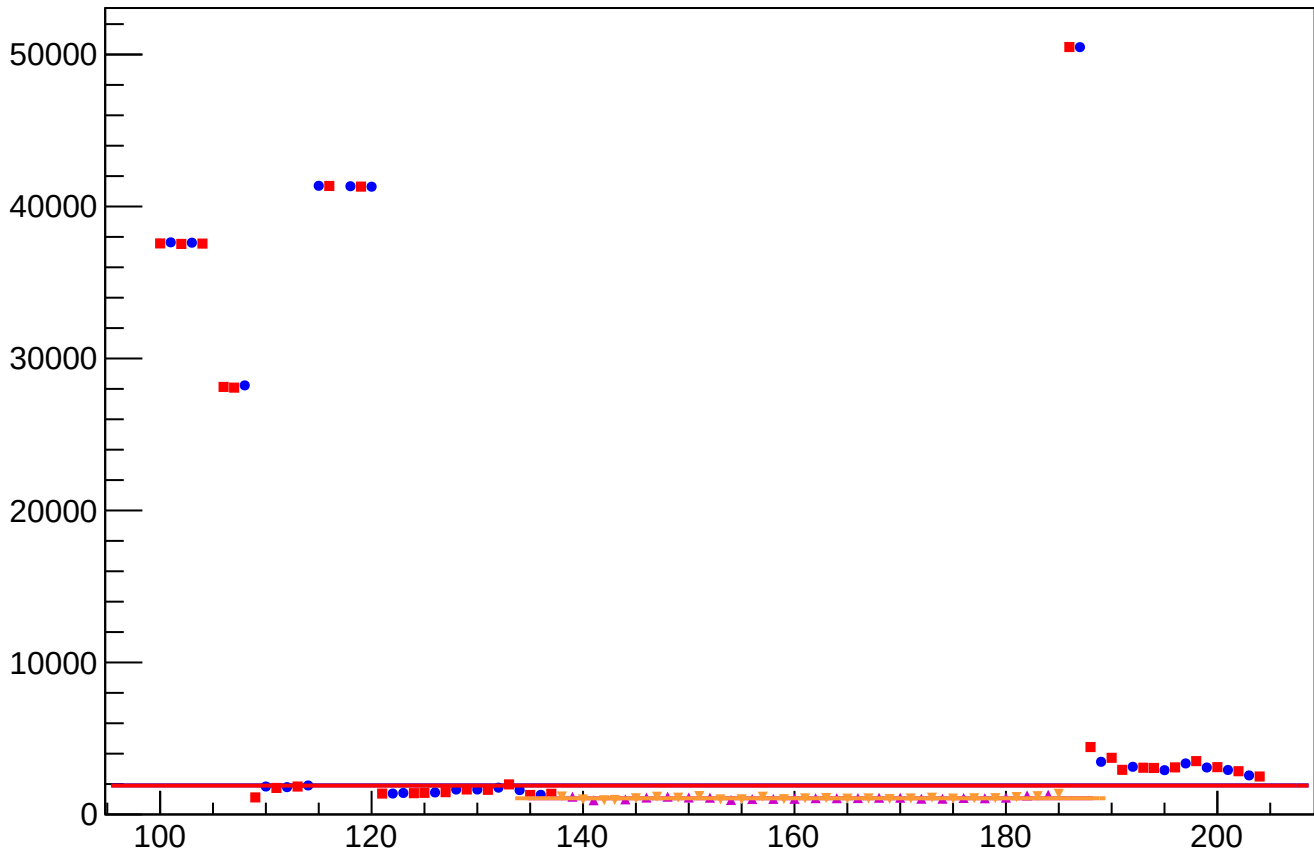
Left In: 0.259 ± 0.257 χ^2/NDF : 27.2/22

+ sign -0.179 ± 0.233 χ^2/NDF : 61.3/49

All: 0.096 ± 0.166 χ^2/NDF : 127.7/102

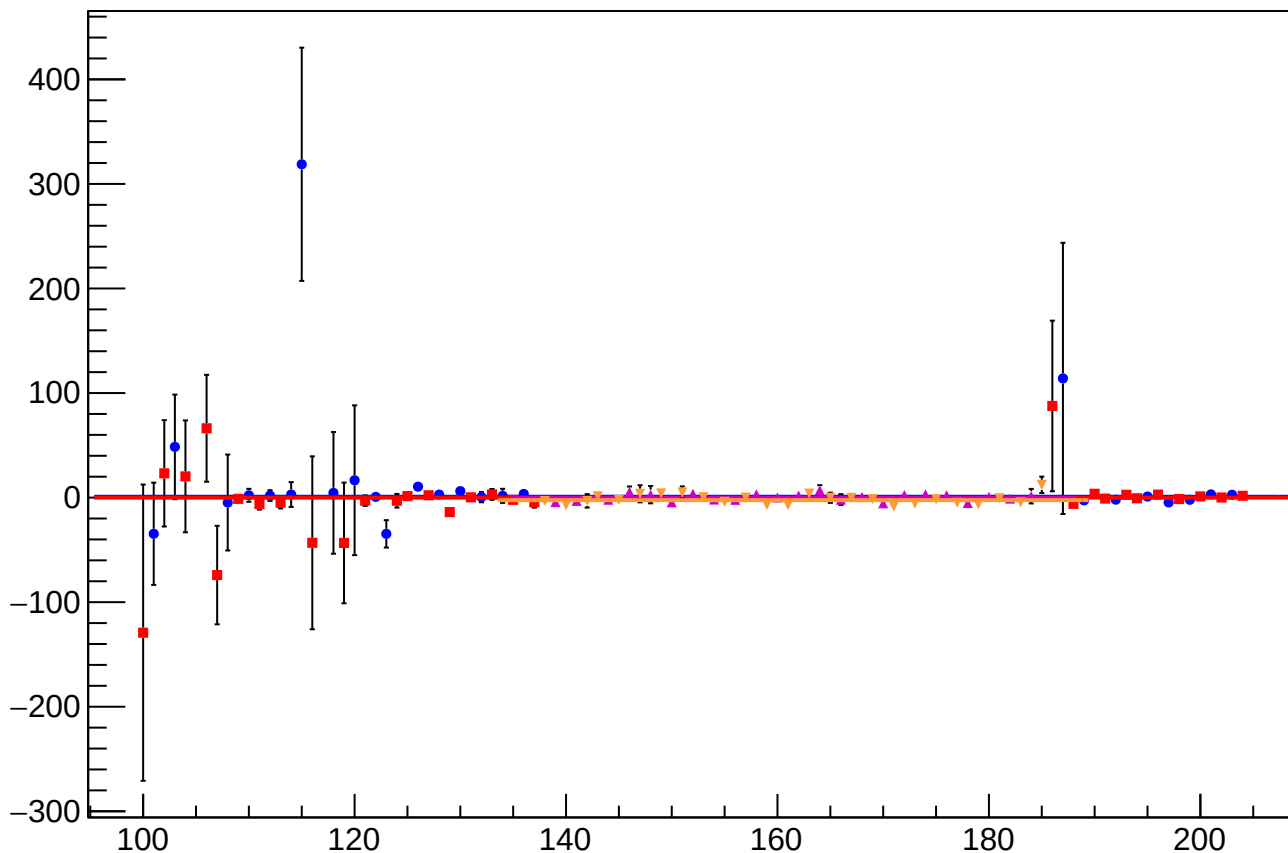
- sign 0.382 ± 0.237 χ^2/NDF : 63.6/52

diff_bpm1p02bX_rms vs Slug



Right In: 1915.275+/-0.460 χ^2/NDF : 6903248.8/24 + sign 1173.333+/-0.164 χ^2/NDF : 10069287.8/49
 Left Out: 1064.701+/-0.176 χ^2/NDF : 186511.5/24 All: 1181.199+/-0.117 χ^2/NDF : 21681811.8/49
 Right Out: 1898.589+/-0.436 χ^2/NDF : 8339581.5/29 - sign 1189.380+/-0.168 χ^2/NDF : 11607857.5/52
 Left In: 1066.255+/-0.182 χ^2/NDF : 164232.1/22

diff_bpm1p02bY_mean vs Slug



Right In: 0.809 ± 0.703 χ^2/NDF : 38.4/24

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

Right Out: 0.005 ± 0.665 χ^2/NDF : 29.2/29

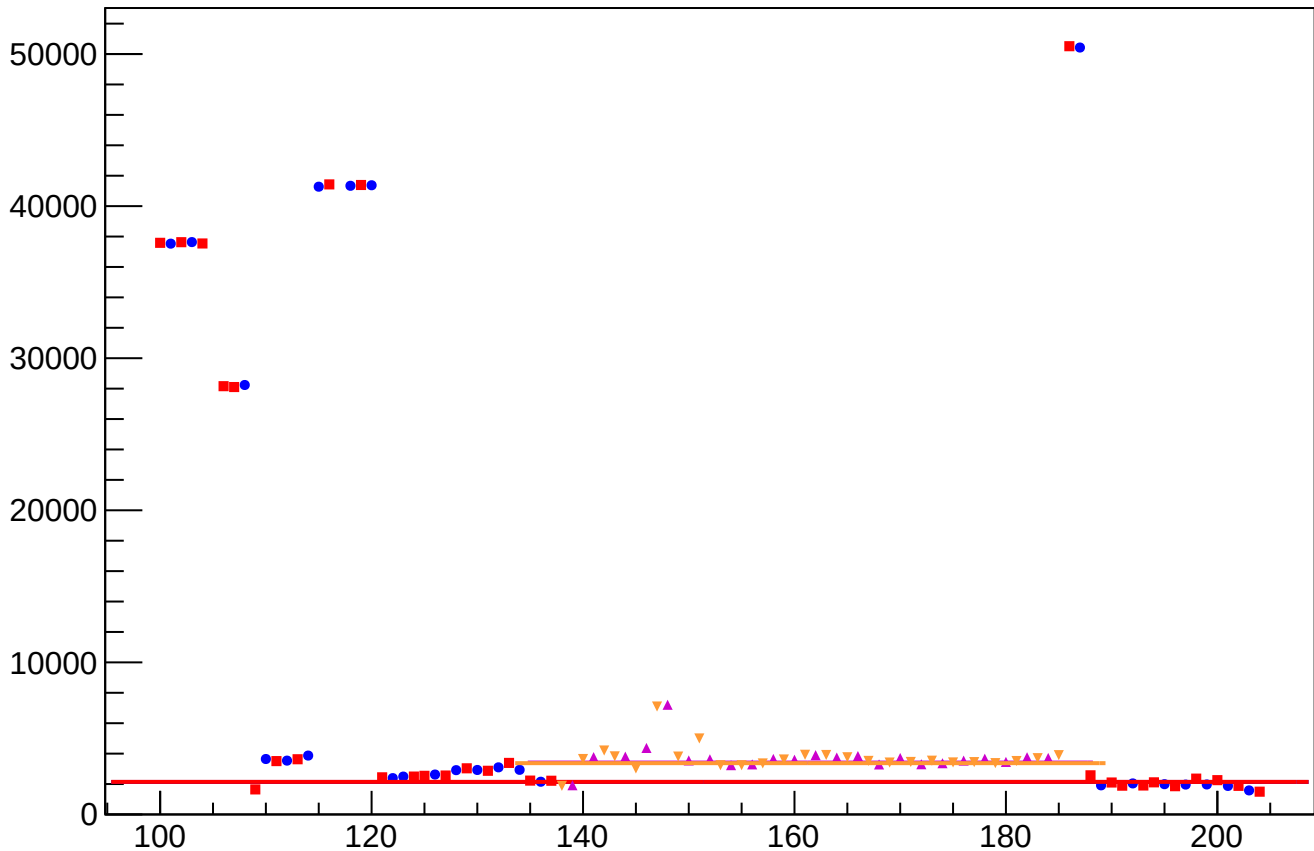
Left In: -0.468 ± 0.843 χ^2/NDF : 15.5/22

+ sign -0.578 ± 0.531 χ^2/NDF : 68.7/49

All: -0.374 ± 0.372 χ^2/NDF : 113.9/102

- sign -0.176 ± 0.522 χ^2/NDF : 44.9/52

diff_bpm1p02bY_rms vs Slug



Right In: 2135.634 $\pm$ 0.497 χ^2 /NDF: 5603419.7/24

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

Right Out: 2142.015 $\pm$ 0.470 χ^2 /NDF: 6216374.8/29

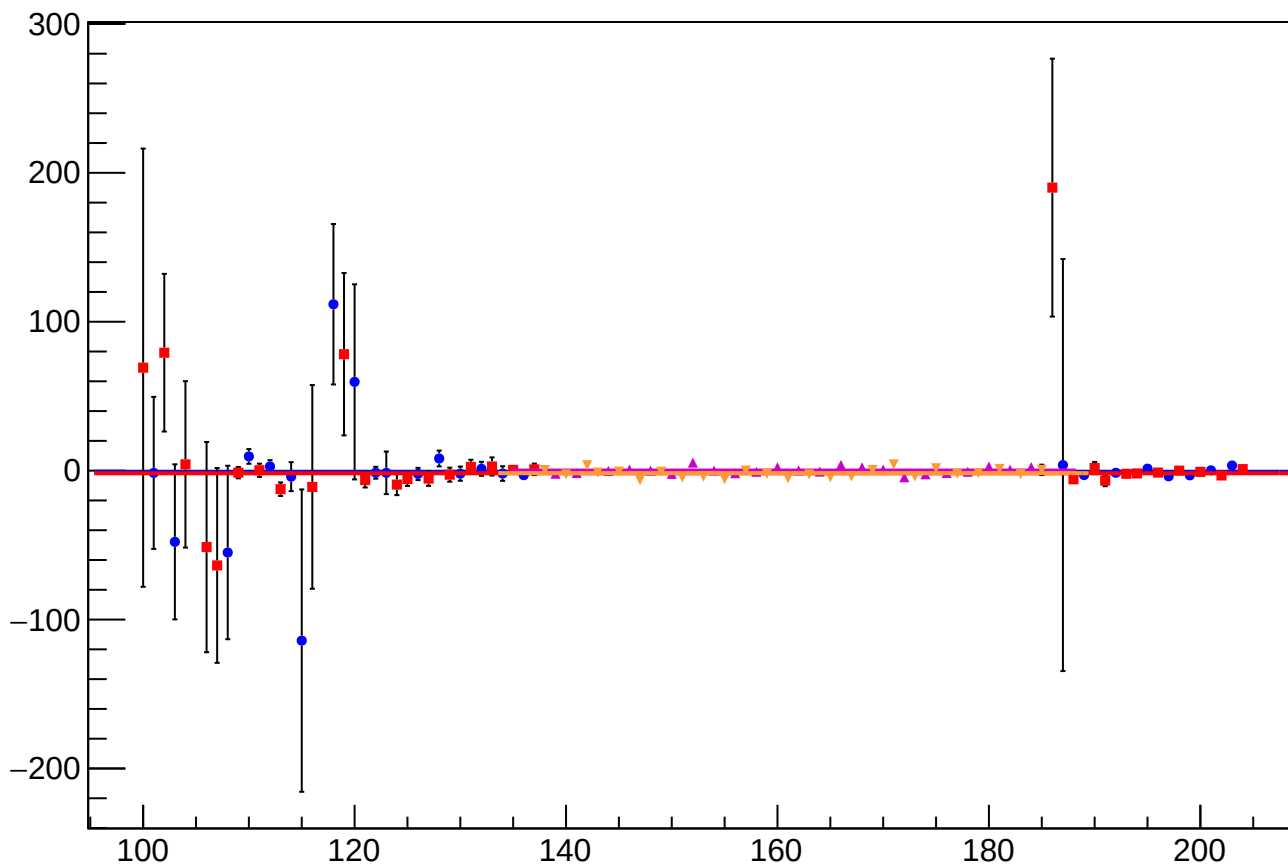
Left In: 3411.924 $\pm$ 0.596 χ^2 /NDF: 1434523.7/22

+ sign 2666.820 $\pm$ 0.376 χ^2 /NDF: 9920093.9/49

All: 2647.813 $\pm$ 0.263 χ^2 /NDF: 20373565.8/100

- sign 2629.438 $\pm$ 0.369 χ^2 /NDF: 10448433.4/52

diff_bpm1p03aX_mean vs Slug



Right In: -0.722 ± 0.714 χ^2/NDF : 25.5/24

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

Right Out: -1.785 ± 0.686 χ^2/NDF : 28.8/29

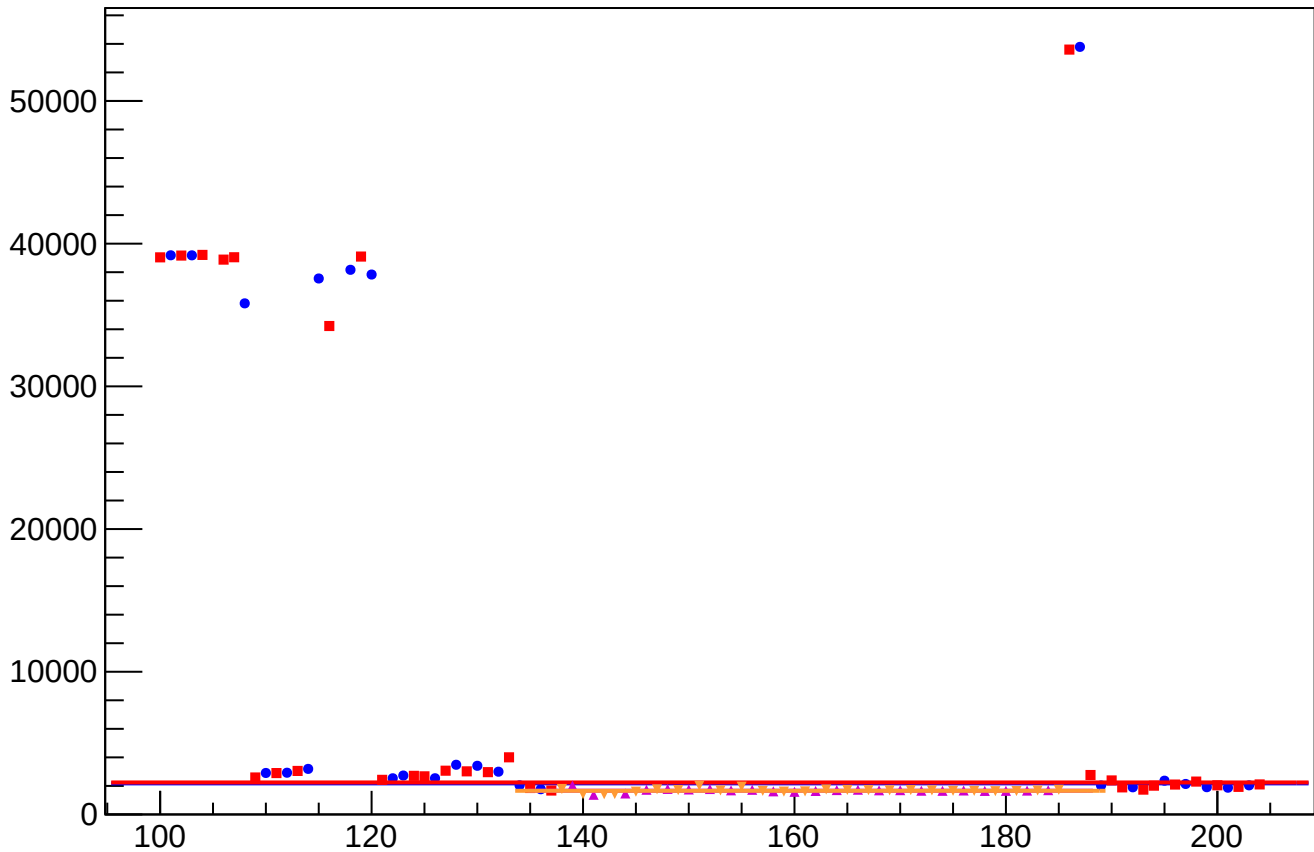
Left In: 0.072 ± 0.401 χ^2/NDF : 28.2/22

+ sign -1.455 ± 0.341 χ^2/NDF : 72.6/49

All: -0.936 ± 0.243 χ^2/NDF : 139.7/102

- sign -0.401 ± 0.346 χ^2/NDF : 62.5/52

diff_bpm1p03aX_rms vs Slug



Right In: 2177.062 $\pm$ 0.505 χ^2 /NDF: 5436907.9/24

Left Out: 1657.770 $\pm$ 0.274 χ^2 /NDF: 223465.3/24

Right Out: 2243.163 $\pm$ 0.485 χ^2 /NDF: 6027479.2/29

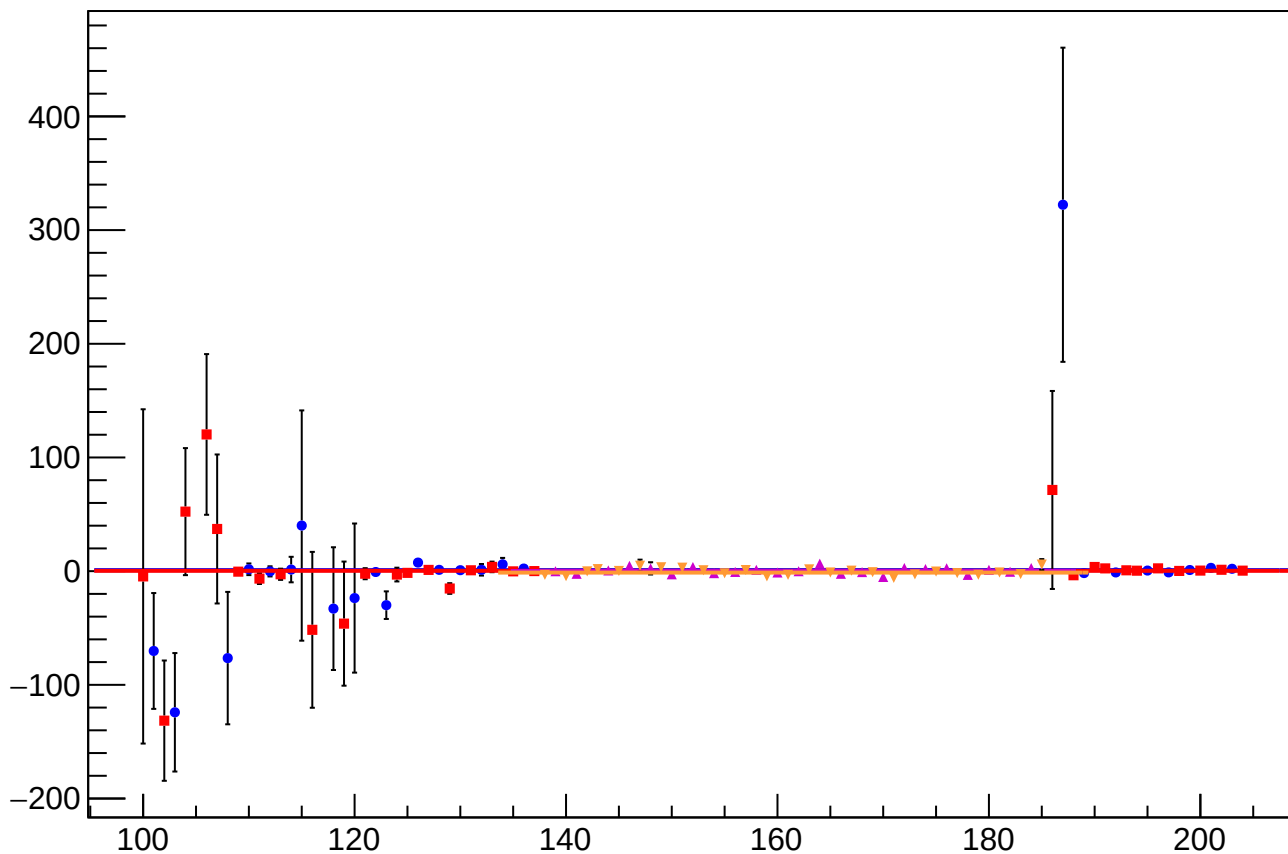
Left In: 1663.620 $\pm$ 0.284 χ^2 /NDF: 178858.2/22

+ sign 1776.309 $\pm$ 0.241 χ^2 /NDF: 6477842.8/49

All: 1793.541 $\pm$ 0.172 χ^2 /NDF: 13758872.0/100

- sign 1811.310 $\pm$ 0.245 χ^2 /NDF: 7270650.5/52

diff_bpm1p03aY_mean vs Slug



Right In: 0.905 ± 0.589 χ^2/NDF : 31.8/24

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

Right Out: 0.314 ± 0.550 χ^2/NDF : 33.0/29

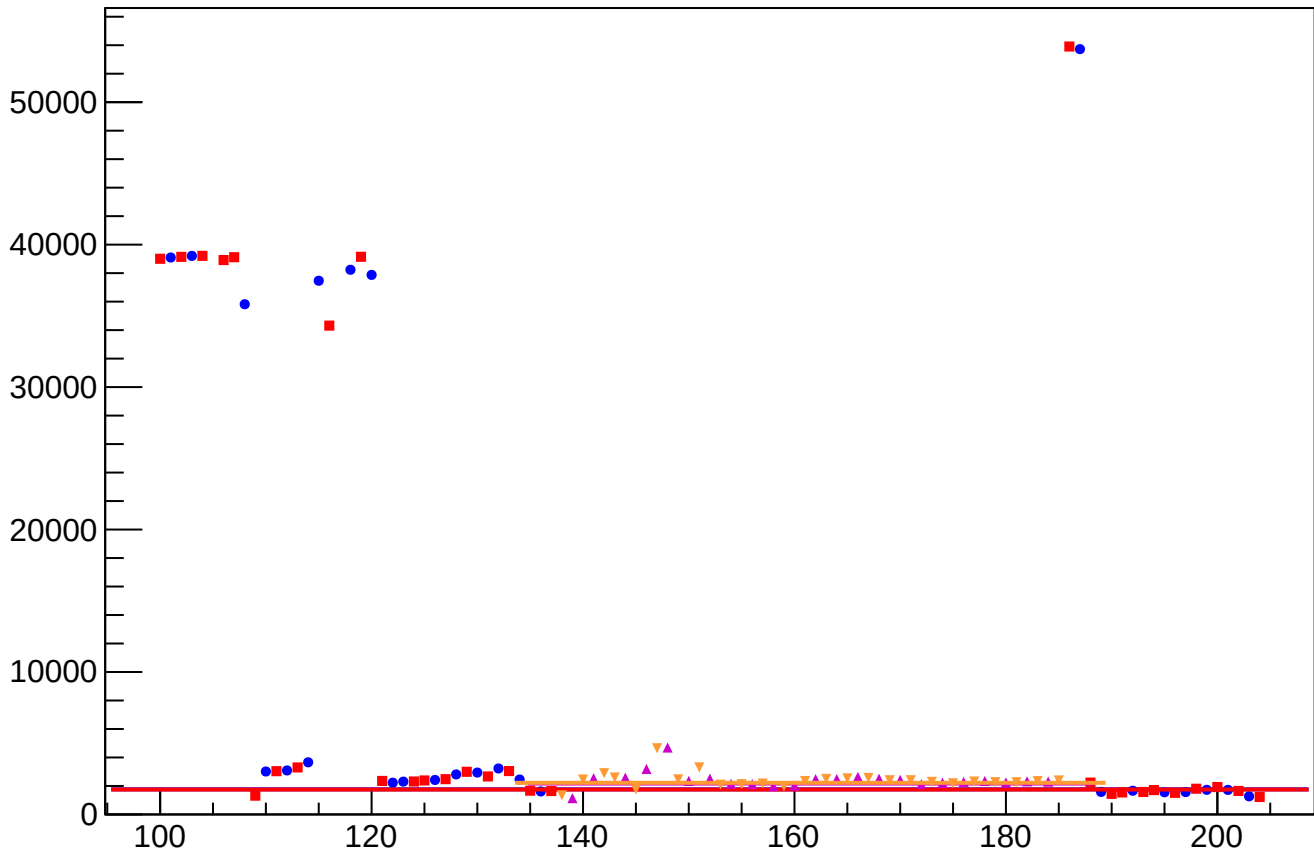
Left In: 0.098 ± 0.541 χ^2/NDF : 19.3/22

+ sign -0.276 ± 0.396 χ^2/NDF : 60.8/49

All: -0.030 ± 0.276 χ^2/NDF : 114.0/102

- sign 0.204 ± 0.386 χ^2/NDF : 52.4/52

diff_bpm1p03aY_rms vs Slug



Right In: 1764.044 $\pm$ 0.416 χ^2 /NDF: 6098500.7/24

Left Out: 2222.081 $\pm$ 0.378 χ^2 /NDF: 1422440.9/24

Right Out: 1748.691 $\pm$ 0.389 χ^2 /NDF: 6738788.5/29

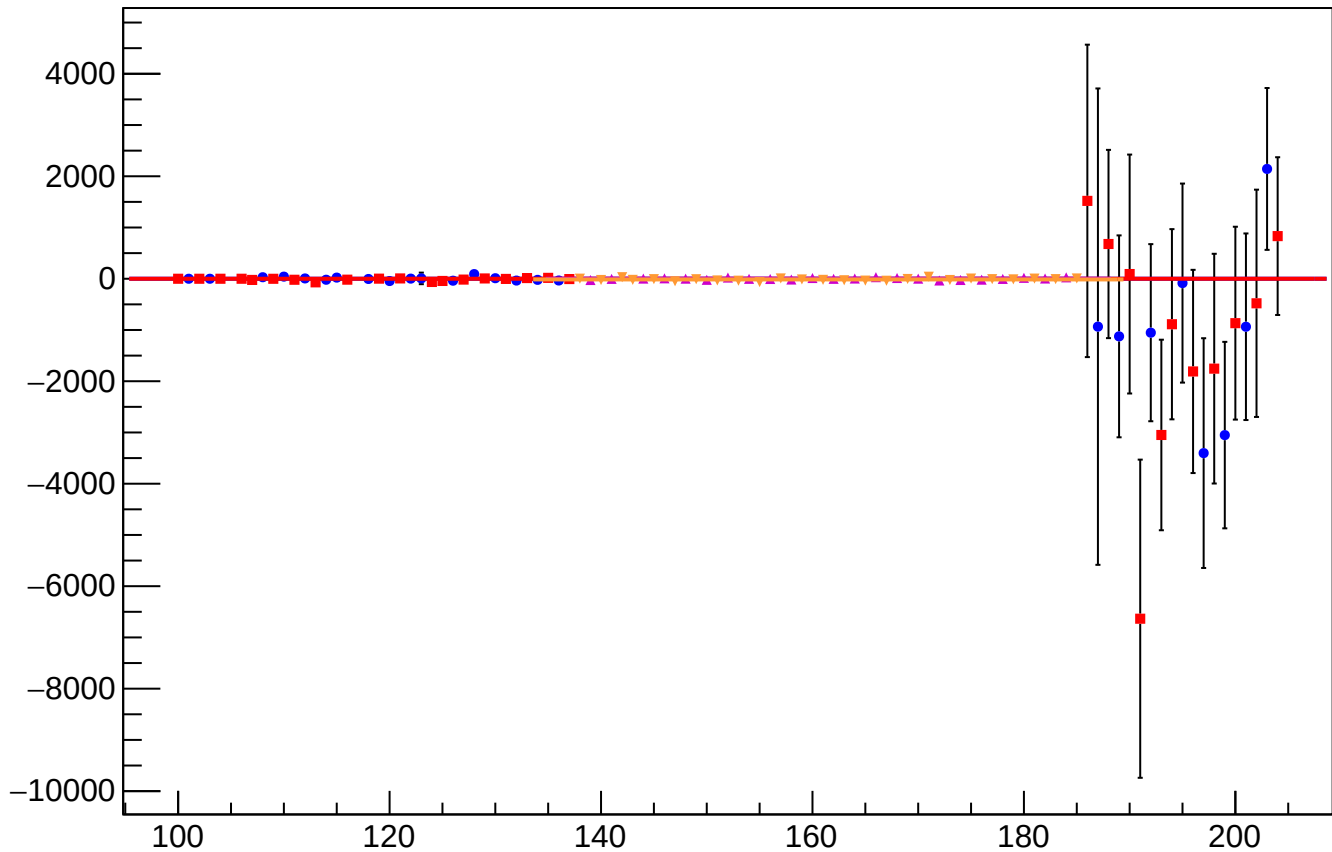
Left In: 2169.443 $\pm$ 0.383 χ^2 /NDF: 1974869.8/22

+ sign 2014.924 $\pm$ 0.280 χ^2 /NDF: 8183855.7/49

All: 1987.968 $\pm$ 0.195 χ^2 /NDF: 17510397.8/100

- sign 1962.392 $\pm$ 0.273 χ^2 /NDF: 9308480.6/52

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 24.6/24

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

Right Out: 0.003 ± 0.016 χ^2/NDF : 25.4/29

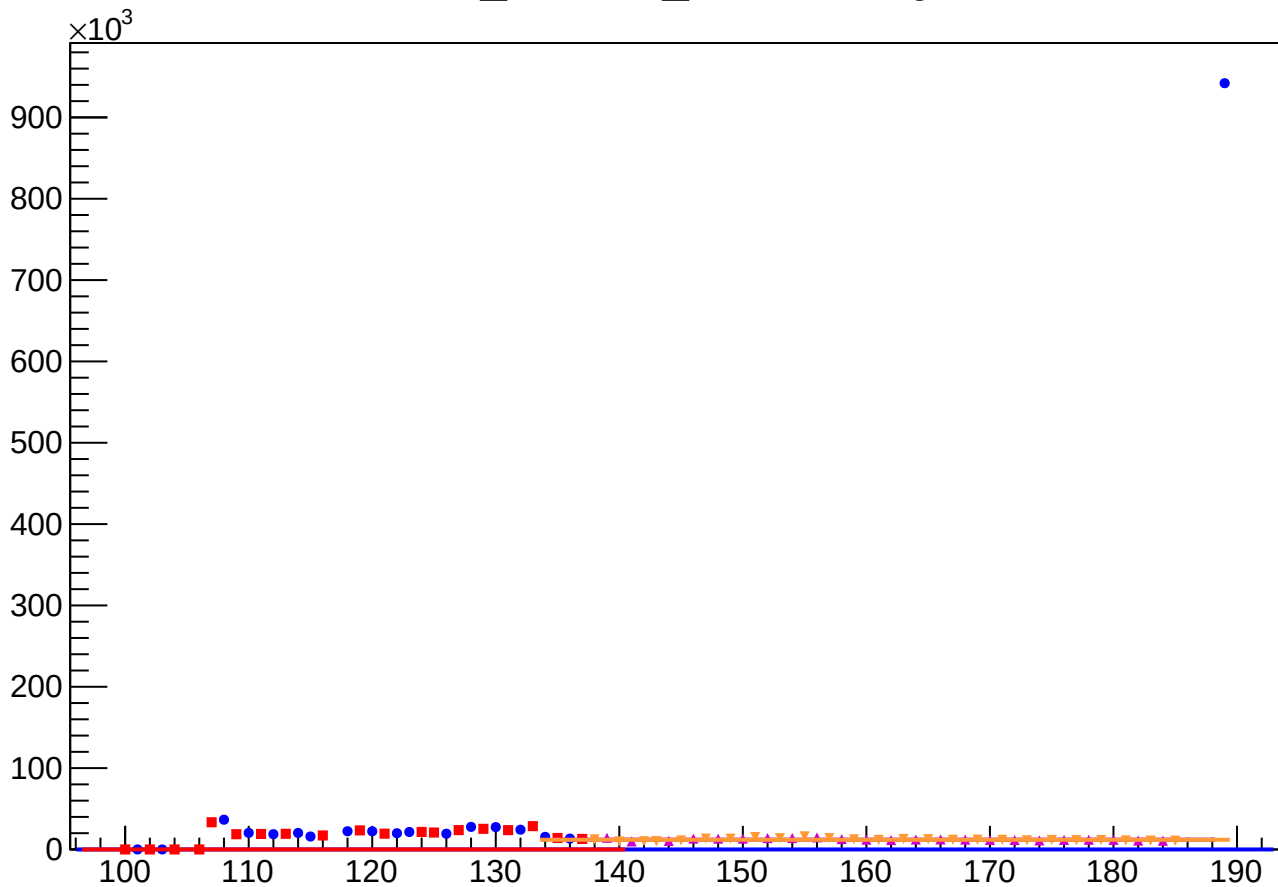
Left In: -0.459 ± 2.917 χ^2/NDF : 29.0/22

+ sign 0.013 ± 0.017 χ^2/NDF : 106.5/49

All: 0.008 ± 0.012 χ^2/NDF : 161.0/102

- sign 0.003 ± 0.016 χ^2/NDF : 54.4/52

diff_cav4bX_rms vs Slug



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

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

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

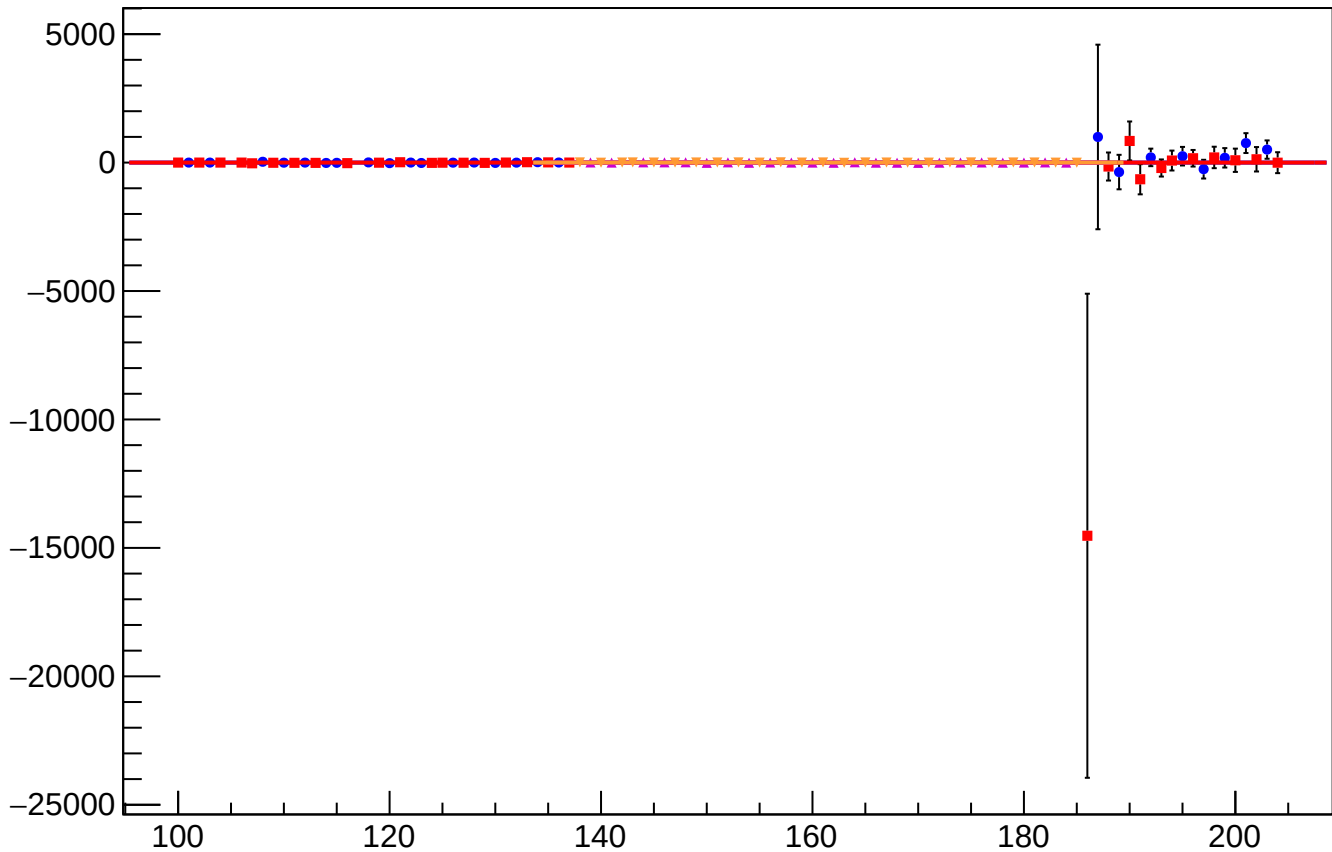
Left In: 12064.761 $\pm$ 2.062 χ^2 /NDF: 368452.5/22

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

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

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

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 20.7/24

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

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 24.7/29

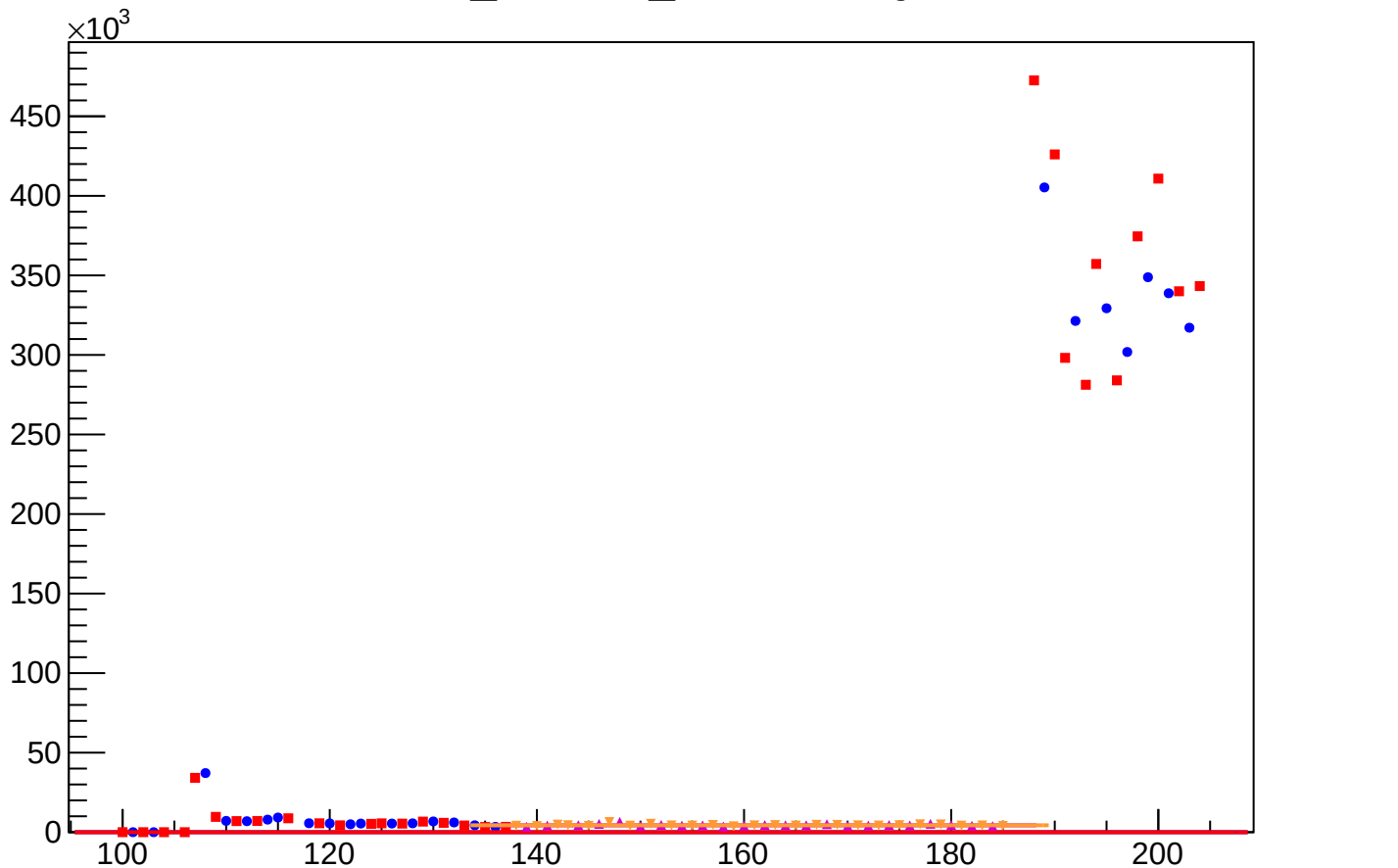
Left In: 0.939 $\pm$ 1.049 χ^2 /NDF:35.6/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 41.6/49

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 103.9/102

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 61.1/52

diff_cav4bY_rms vs Slug



Right In: 9.940 ± 0.007 χ^2/NDF : 21401736.8/23

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

Right Out: 9.855 ± 0.006 χ^2/NDF : 24102735.1/28

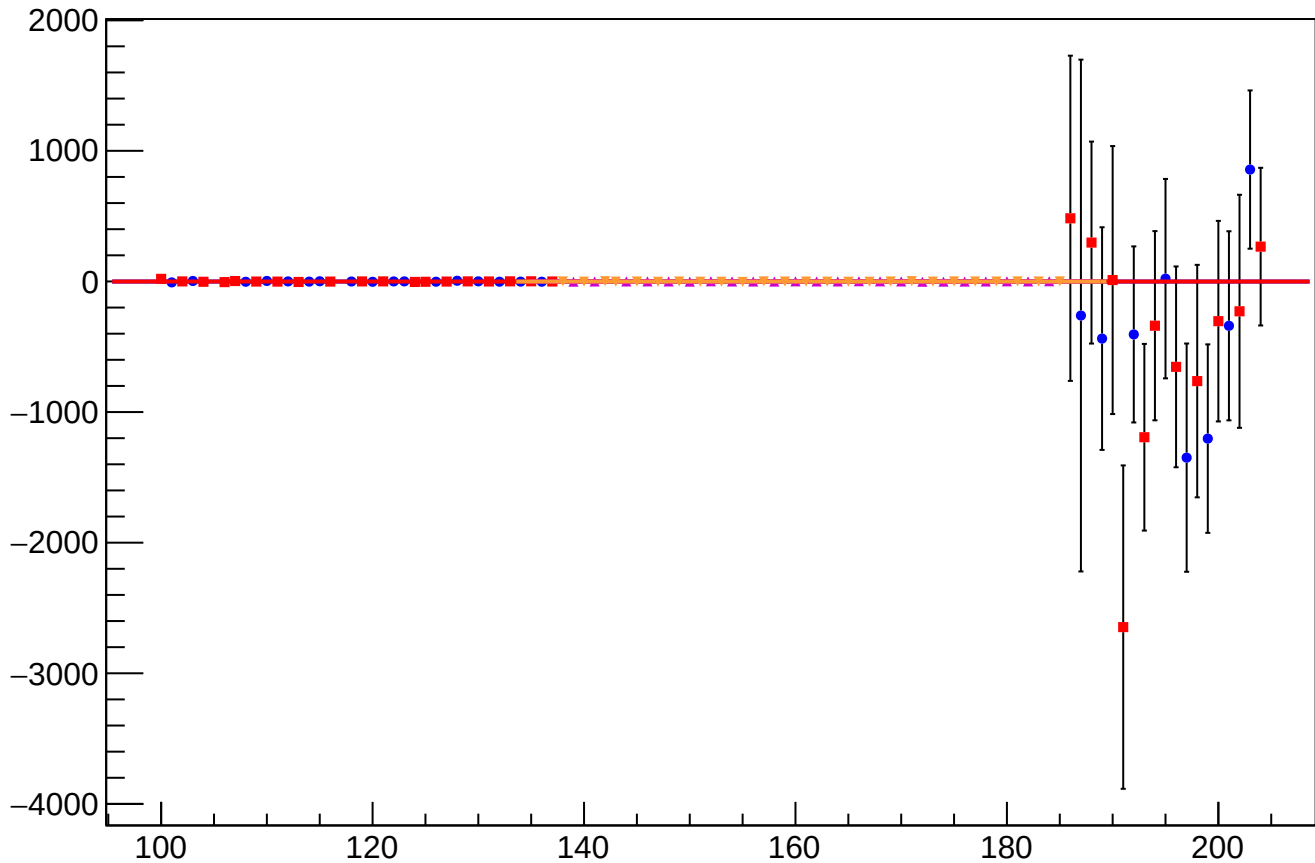
Left In: 4321.572 ± 0.741 χ^2/NDF : 514603.2/22

+ sign 10.292 ± 0.007 χ^2/NDF : 57829144.3/48

All: 10.216 ± 0.004 χ^2/NDF : 116265492.9/10

- sign 10.149 ± 0.006 χ^2/NDF : 58436093.0/51

diff_cav4cX_mean vs Slug



Right In: -0.714 ± 0.483 χ^2/NDF : 30.7/24

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

Right Out: -0.639 ± 0.501 χ^2/NDF : 22.8/29

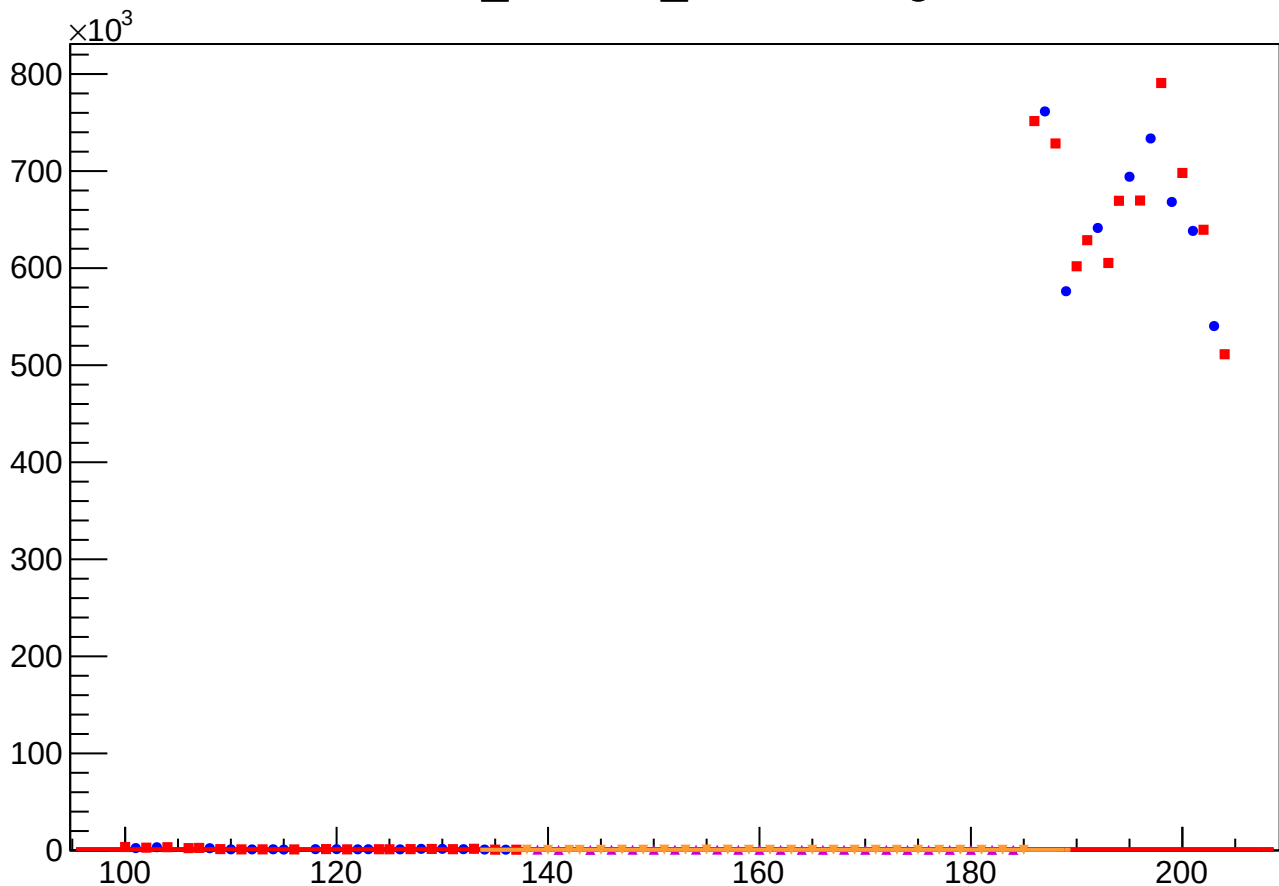
Left In: -0.018 ± 0.171 χ^2/NDF : 29.4/22

+ sign -0.769 ± 0.156 χ^2/NDF : 89.3/49

All: -0.438 ± 0.112 χ^2/NDF : 152.2/102

- sign -0.083 ± 0.162 χ^2/NDF : 53.6/52

diff_cav4cX_rms vs Slug



Right In: 1169.107 $\pm$ 0.342 χ^2 /NDF: 12484933.2/24

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

Right Out: 1250.577 $\pm$ 0.355 χ^2 /NDF: 15569911.1/29

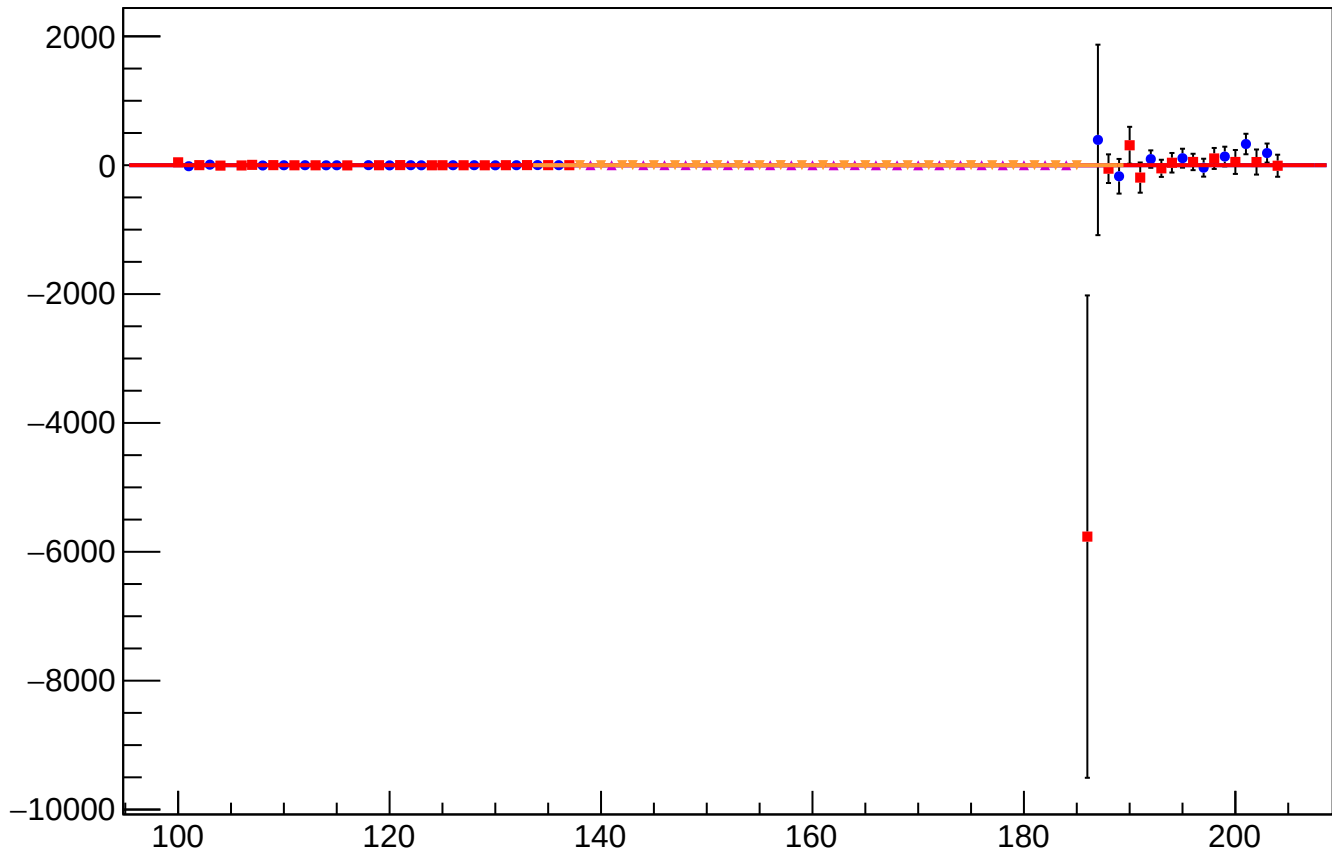
Left In: 706.971 $\pm$ 0.121 χ^2 /NDF: 332011.4/22

+ sign 749.658 $\pm$ 0.110 χ^2 /NDF: 14560287.3/49

All: 756.305 $\pm$ 0.079 χ^2 /NDF: 32575691.6/10

- sign 763.464 $\pm$ 0.114 χ^2 /NDF: 18007841.3/52

diff_cav4cY_mean vs Slug



Right In: -0.057 ± 0.269 χ^2/NDF : 27.4/24

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

Right Out: 0.280 ± 0.264 χ^2/NDF : 25.7/29

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

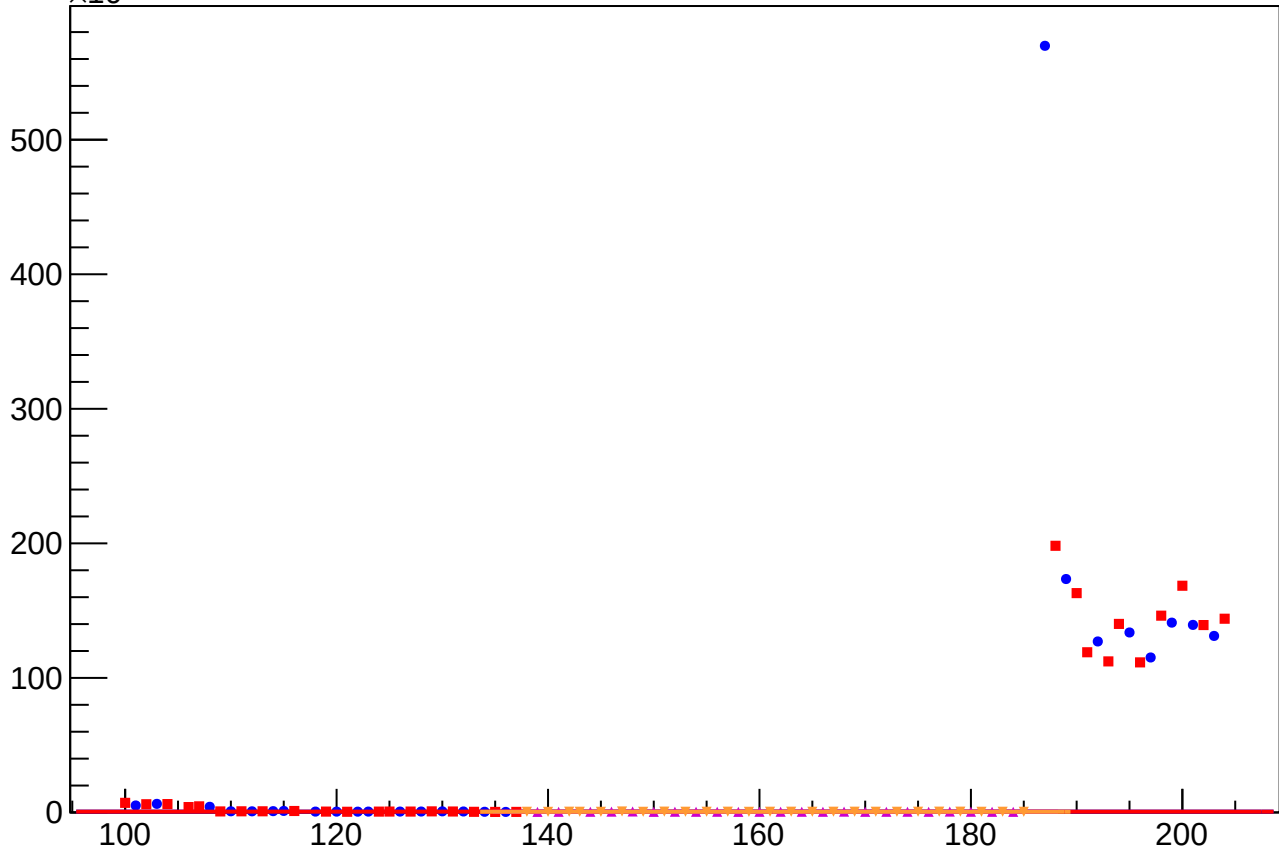
+ sign 0.183 ± 0.112 χ^2/NDF : 46.4/49

All: 0.169 ± 0.080 χ^2/NDF : 107.3/102

- sign 0.154 ± 0.114 χ^2/NDF : 60.9/52

diff_cav4cY_rms vs Slug

$\times 10^3$



Right In: 612.220 $\pm$ 0.190 χ^2 /NDF: 13793366.3/24

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

Right Out: 602.055 $\pm$ 0.187 χ^2 /NDF: 16557762.5/28

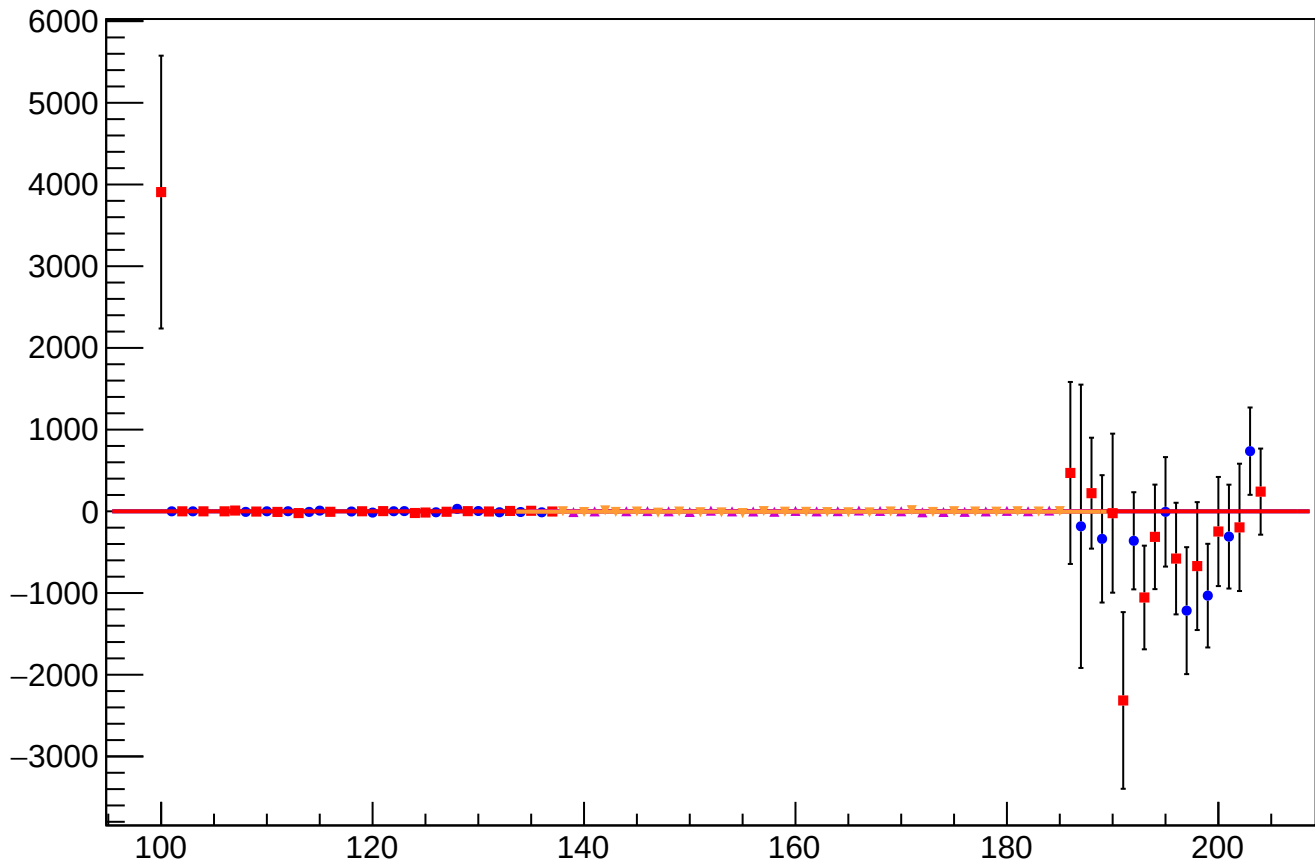
Left In: 520.700 $\pm$ 0.089 χ^2 /NDF: 427720.5/22

+ sign 537.701 $\pm$ 0.079 χ^2 /NDF: 14309149.5/49

All: 536.761 $\pm$ 0.056 χ^2 /NDF: 31449150.9/10

- sign 535.783 $\pm$ 0.081 χ^2 /NDF: 17139711.9/51

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 23.8/24

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

Right Out: -0.027 ± 0.020 χ^2/NDF : 27.2/29

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

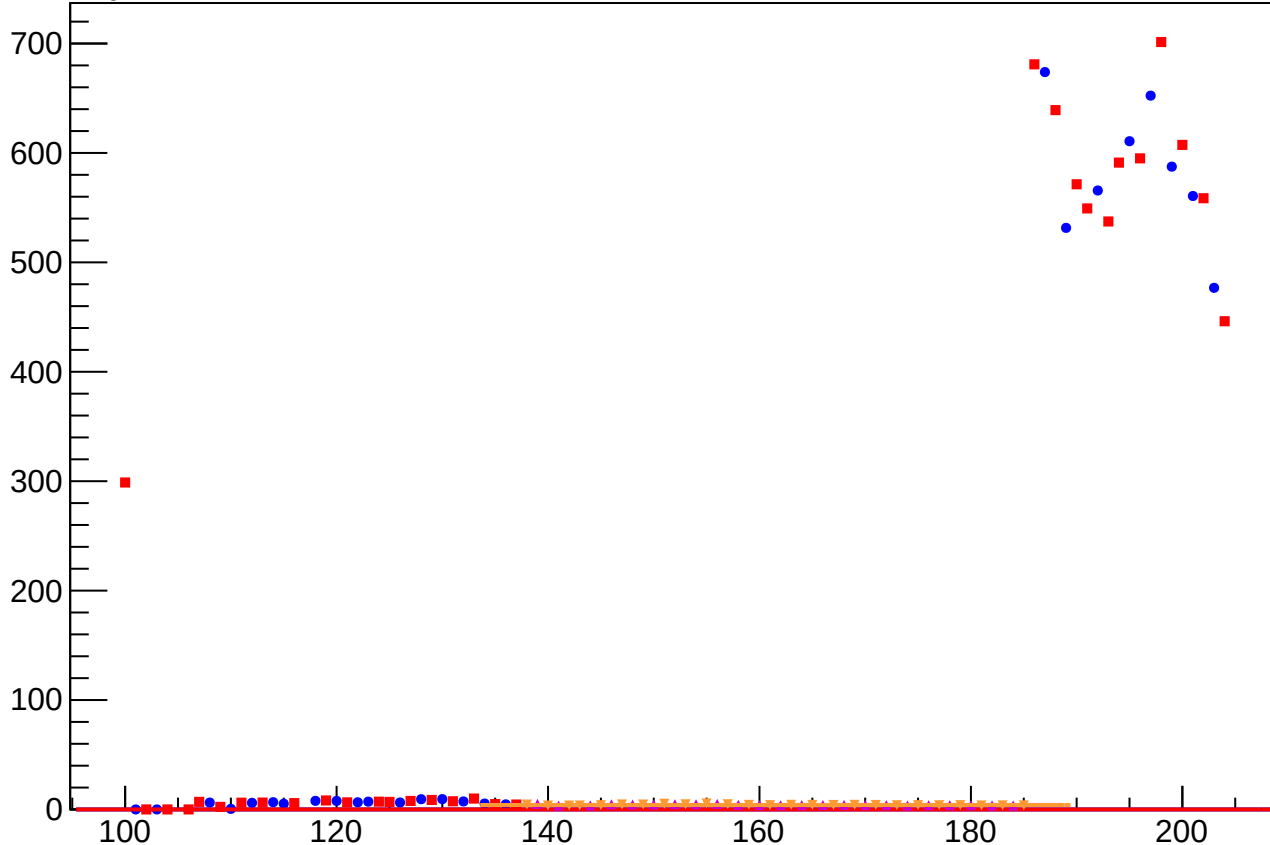
+ sign -0.024 ± 0.021 χ^2/NDF : 103.9/49

All: -0.025 ± 0.014 χ^2/NDF : 160.6/102

- sign -0.027 ± 0.020 χ^2/NDF : 56.7/52

diff_cav4dX_rms vs Slug

$\times 10^3$



Right In: 17.343 $\pm$ 0.015 χ^2 /NDF: 21433276.3/24

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

Right Out: 17.272 $\pm$ 0.014 χ^2 /NDF: 24852181.1/29

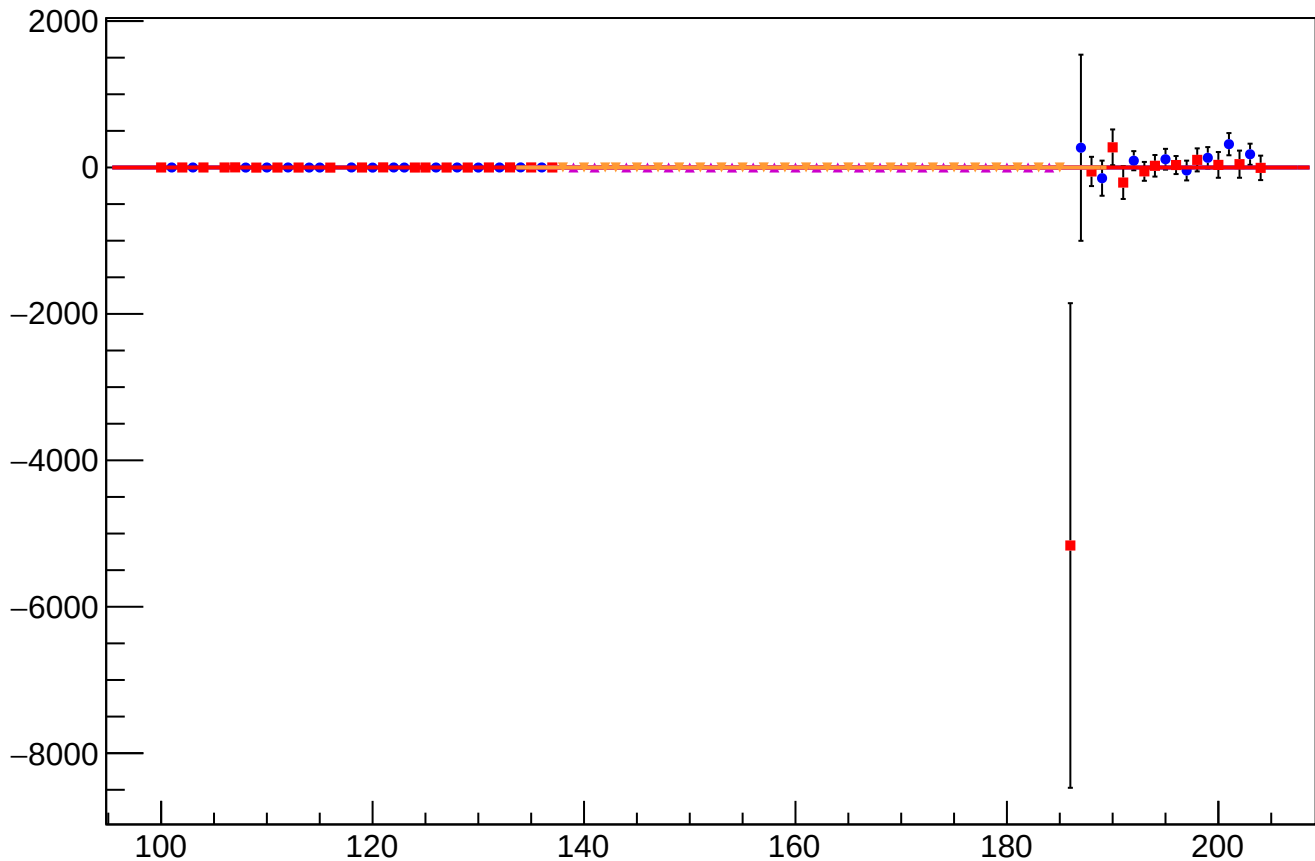
Left In: 4113.993 $\pm$ 0.703 χ^2 /NDF: 349160.6/22

+ sign 19.258 $\pm$ 0.015 χ^2 /NDF: 57783371.1/49

All: 19.066 $\pm$ 0.010 χ^2 /NDF: 116940941.5/10

- sign 18.893 $\pm$ 0.014 χ^2 /NDF: 59157247.0/52

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 22.0/24

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

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 23.6/29

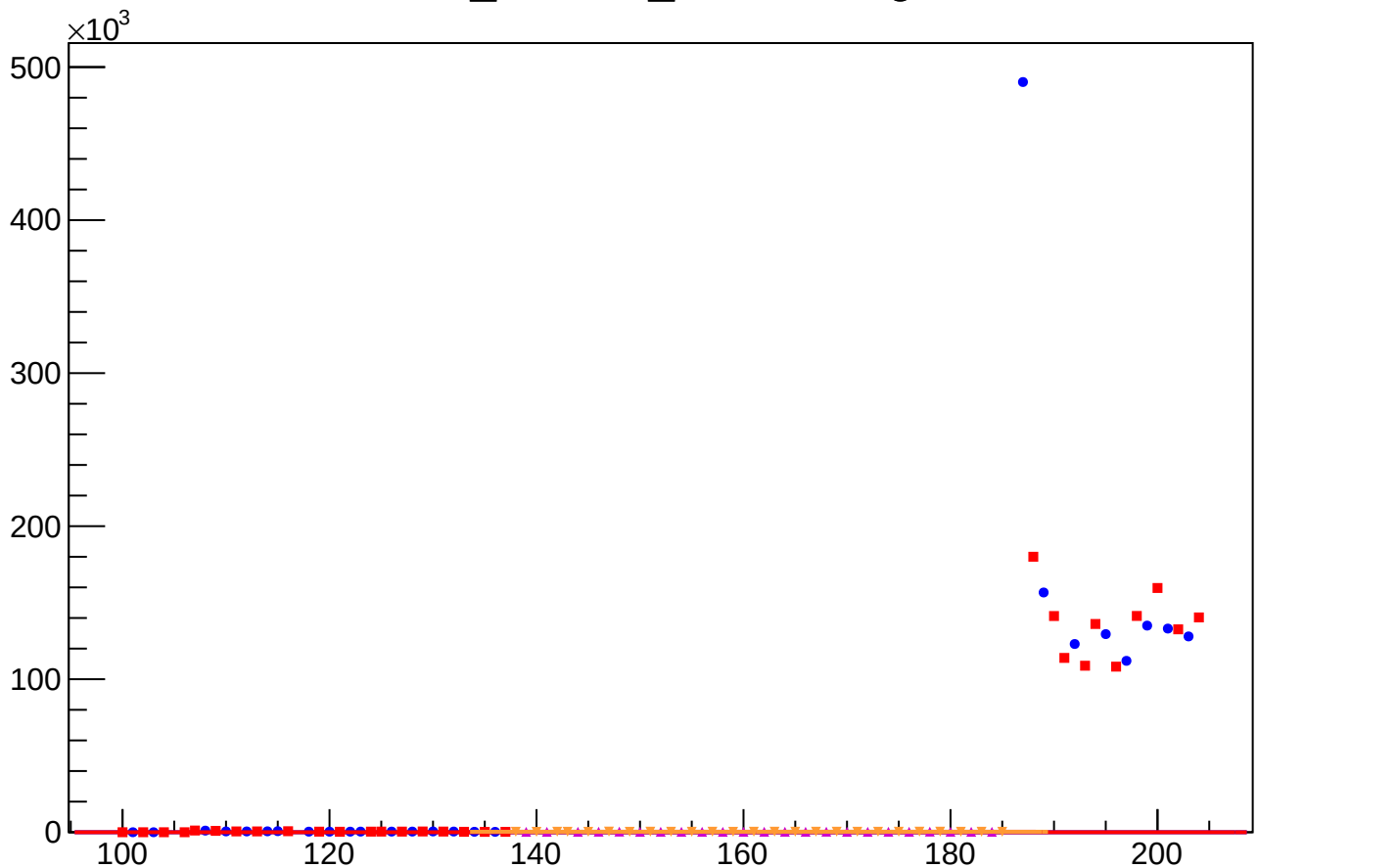
Left In: 0.080 $\pm$ 0.079 χ^2 /NDF:34.6/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 43.1/49

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 102.4/102

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 59.2/52

diff_cav4dY_rms vs Slug



Right In: 1.699 $\pm$ 0.001 χ^2 /NDF: 21784722.8/24

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

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 23871211.2/28

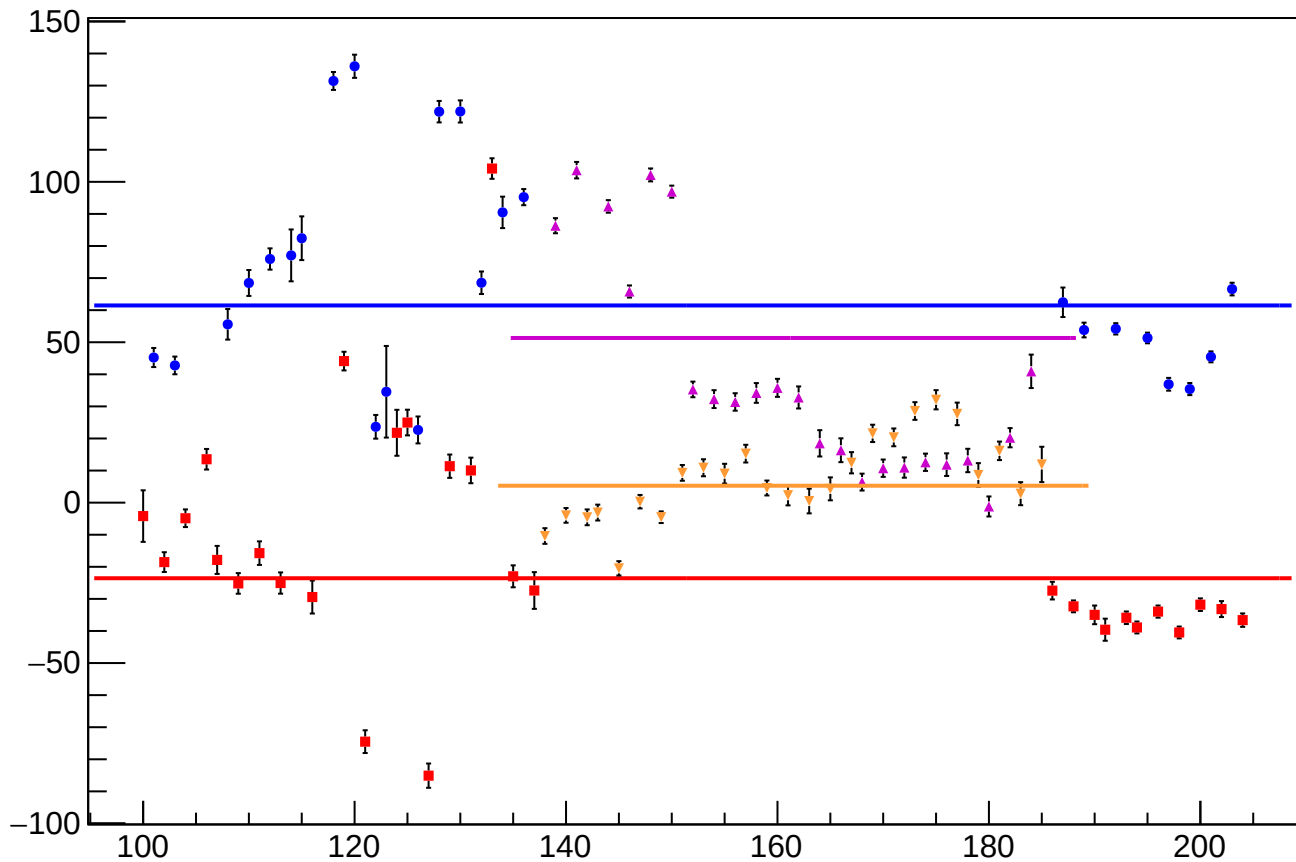
Left In: 325.626 $\pm$ 0.056 χ^2 /NDF:413350.0/22

+ sign 1.926 $\pm$ 0.001 χ^2 /NDF: 57996594.2/49

All: 1.925 $\pm$ 0.001 χ^2 /NDF: 116005700.9/101

- sign 1.924 $\pm$ 0.001 χ^2 /NDF: 58009105.3/51

diff_bpm0i01X_mean vs Slug



Right In: 61.468 ± 0.549 χ^2/NDF : 2714.4/24

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

Right Out: -23.561 ± 0.513 χ^2/NDF : 3505.7/29

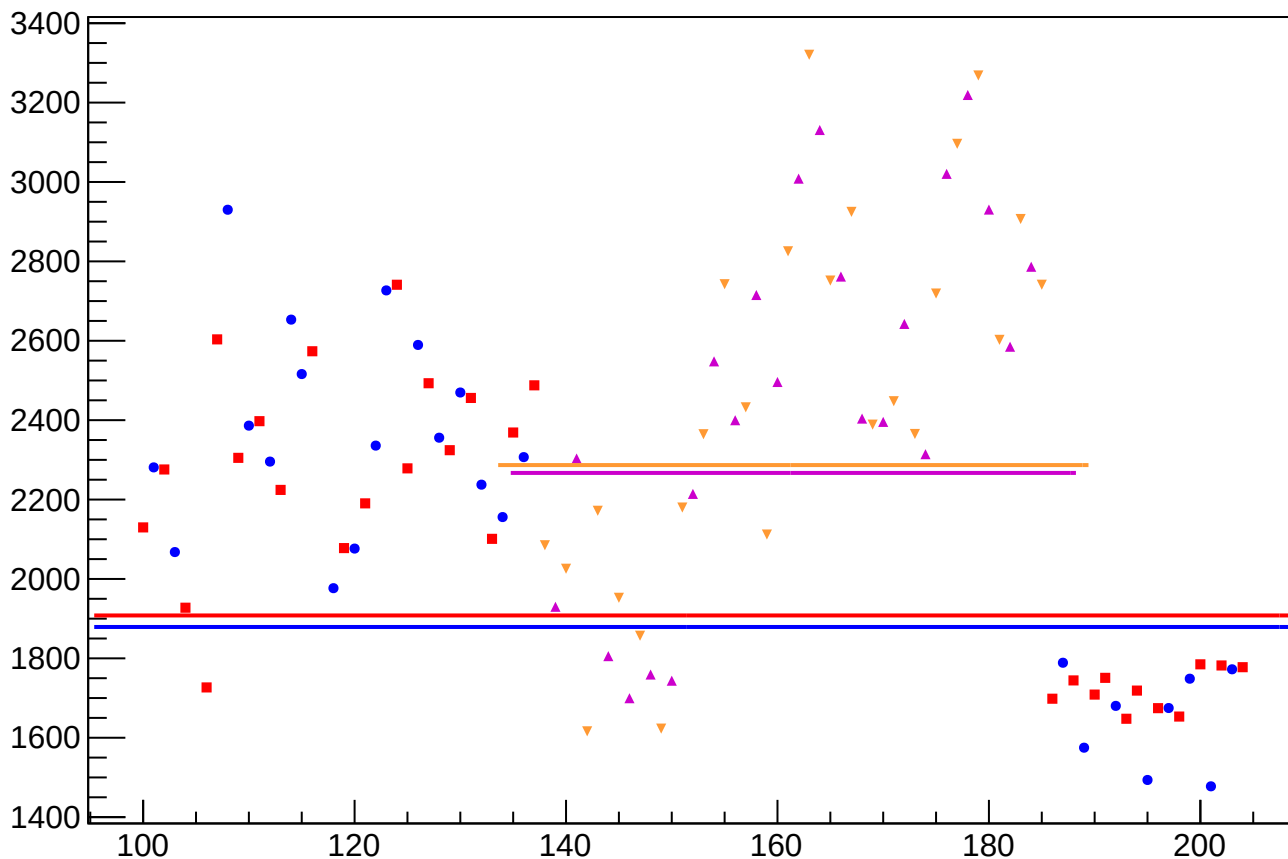
Left In: 51.328 ± 0.558 χ^2/NDF : 4257.8/22

+ sign 33.119 ± 0.387 χ^2/NDF : 8554.1/49

All: 21.648 ± 0.270 χ^2/NDF : 27799.3/102

- sign 10.697 ± 0.378 χ^2/NDF : 17523.6/52

diff_bpm0i01X_rms vs Slug



Right In: 1879.037 $\pm$ 0.388 χ^2 /NDF: 844162.6/24

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

Right Out: 1908.056 $\pm$ 0.363 χ^2 /NDF: 630792.7/29

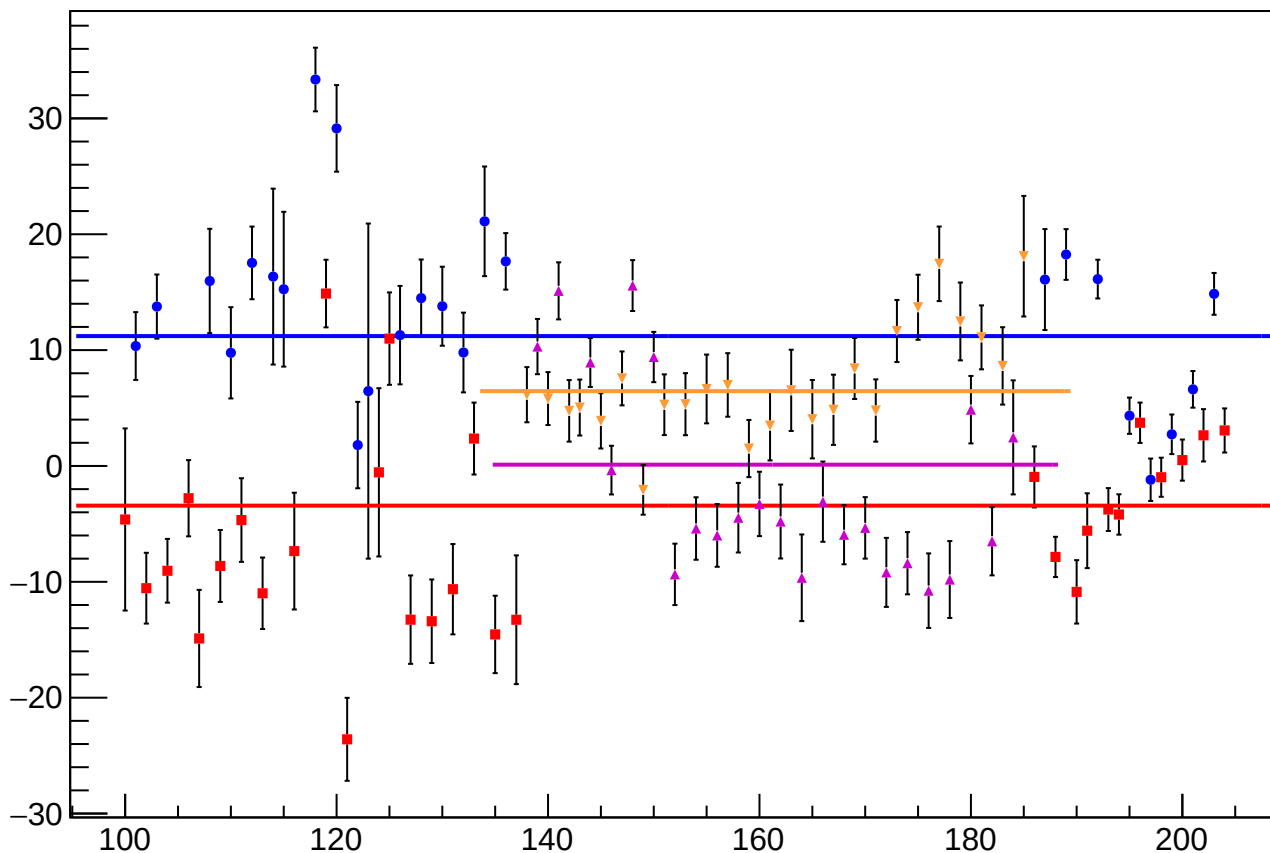
Left In: 2267.097 $\pm$ 0.395 χ^2 /NDF:1313364.4/22

+ sign 2084.791 $\pm$ 0.273 χ^2 /NDF: 2761273.1/49

All: 2078.401 $\pm$ 0.191 χ^2 /NDF: 5155178.0/10

- sign 2072.301 $\pm$ 0.267 χ^2 /NDF: 2392836.5/52

diff_bpm0i01Y_mean vs Slug



Right In: 11.209 ± 0.521 χ^2/NDF : 237.2/24

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

Right Out: -3.425 ± 0.485 χ^2/NDF : 204.7/29

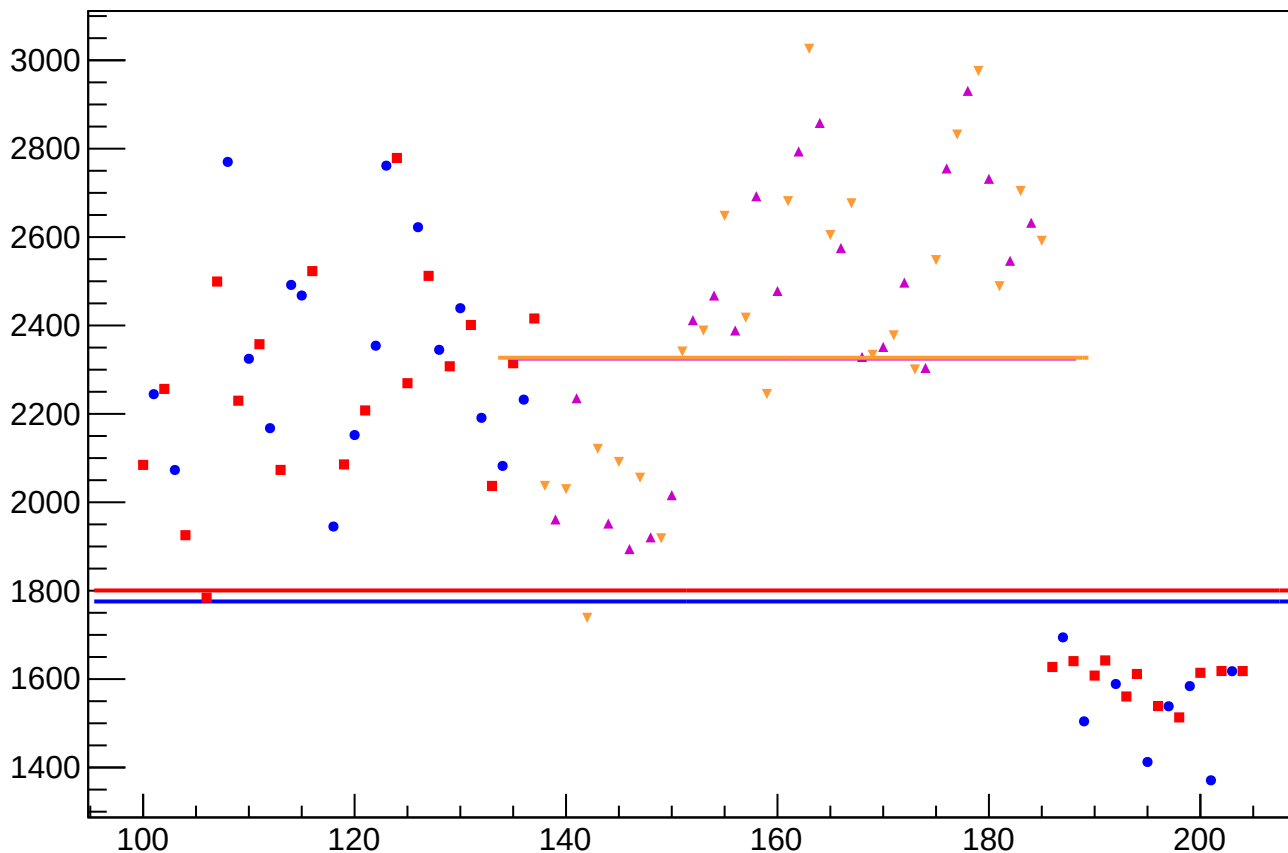
Left In: 0.110 ± 0.565 χ^2/NDF : 234.6/22

+ sign 8.953 ± 0.377 χ^2/NDF : 335.5/49

All: 3.382 ± 0.264 χ^2/NDF : 1222.7/102

- sign -1.924 ± 0.368 χ^2/NDF : 461.8/52

diff_bpm0i01Y_rms vs Slug



Right In: 1775.621+/-0.368 χ^2/NDF : 1057033.9/24

Left Out: 2327.044+/-0.387 χ^2/NDF : 646706.7/24

Right Out: 1800.531+/-0.343 χ^2/NDF : 852670.7/29

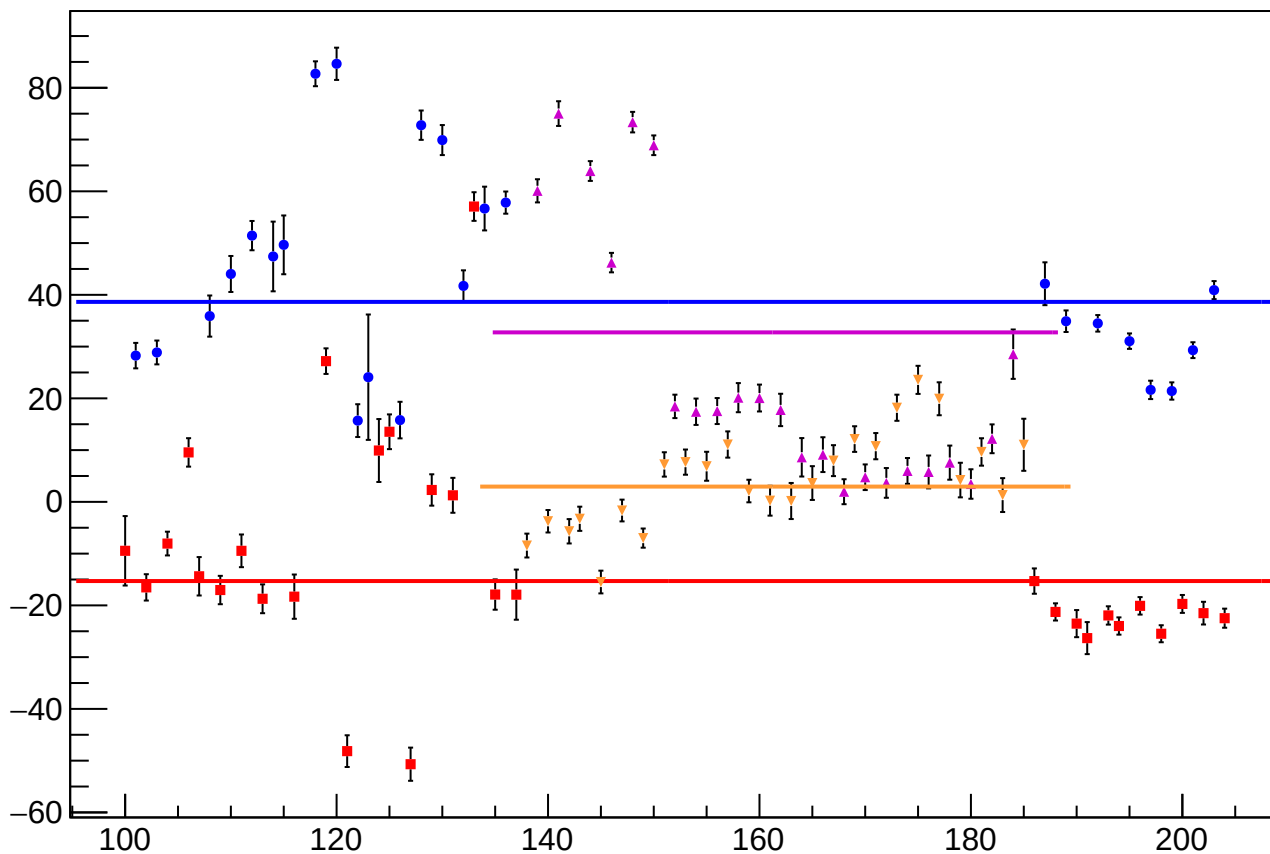
Left In: 2325.175+/-0.400 χ^2/NDF : 610729.2/22

+ sign 2037.524+/-0.267 χ^2/NDF : 2768694.5/49

All: 2030.239+/-0.186 χ^2/NDF : 5225261.8/10

- sign 2023.300+/-0.260 χ^2/NDF : 2455111.8/52

diff_bpm0i01aX_mean vs Slug



Right In: 38.637 ± 0.481 χ^2/NDF : 1348.7/24

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

Right Out: -15.298 ± 0.448 χ^2/NDF : 1618.5/29

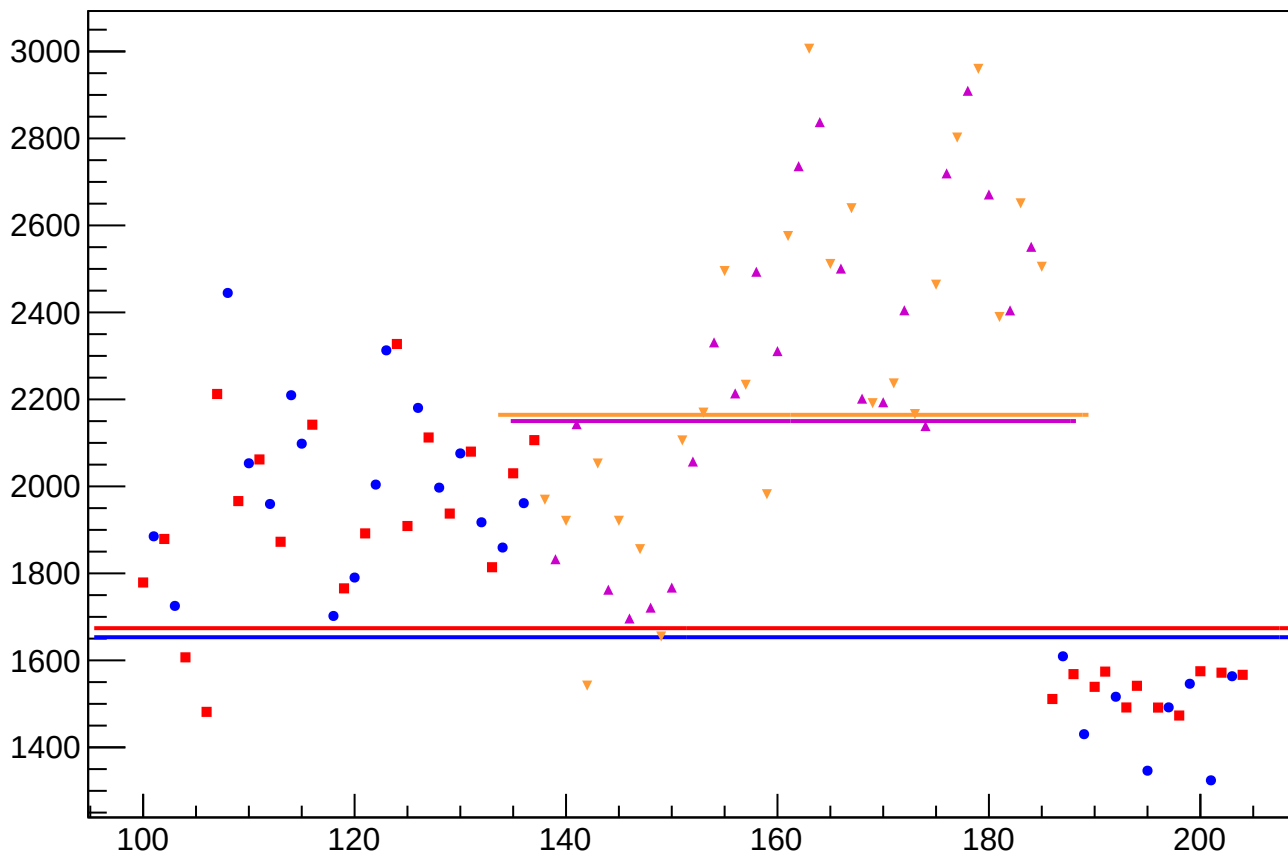
Left In: 32.745 ± 0.526 χ^2/NDF : 2632.5/22

+ sign 21.919 ± 0.350 χ^2/NDF : 4269.2/49

All: 13.191 ± 0.244 χ^2/NDF : 14560.1/102

- sign 4.912 ± 0.341 χ^2/NDF : 9081.9/52

diff_bpm0i01aX_rms vs Slug



Right In: 1653.193 $\pm$ 0.340 χ^2 /NDF: 632737.5/24

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

Right Out: 1674.001 $\pm$ 0.317 χ^2 /NDF: 461047.2/29

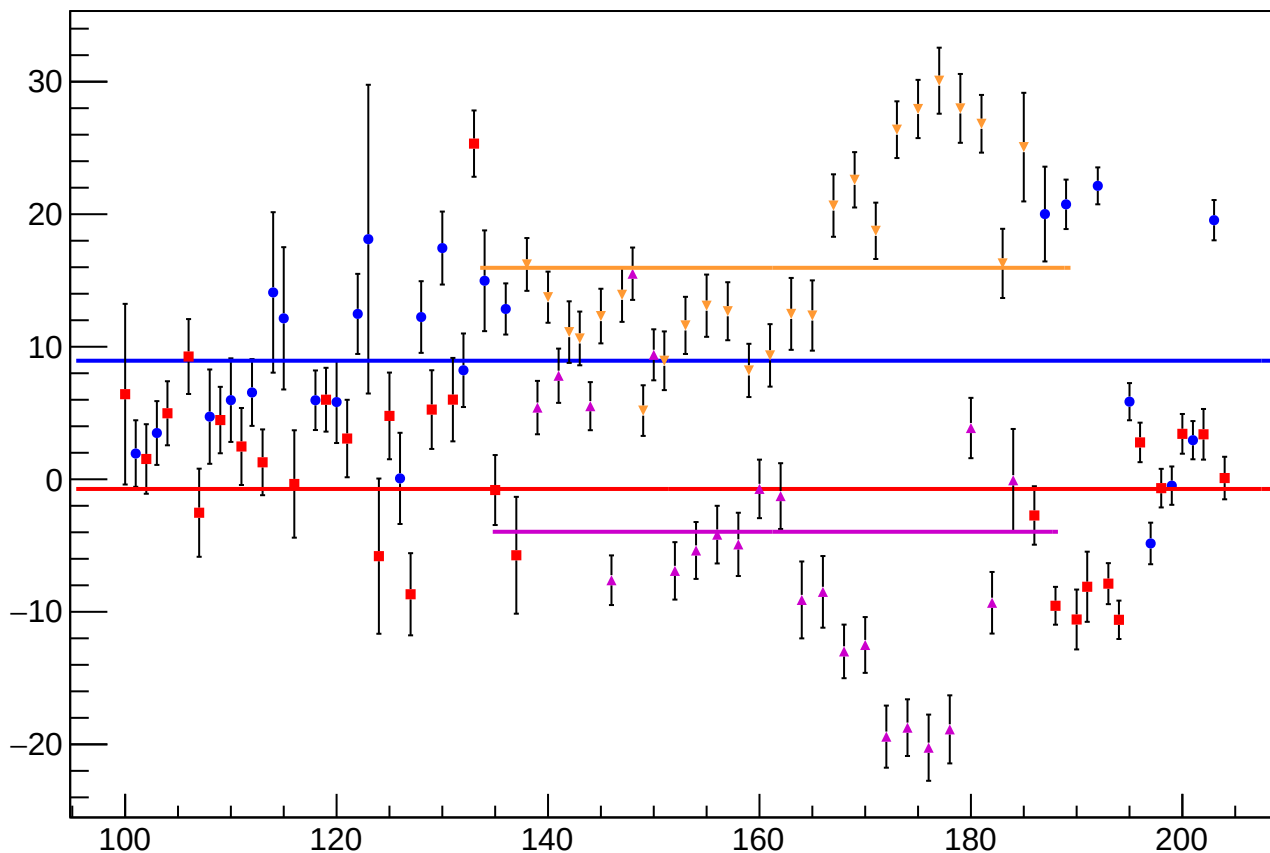
Left In: 2150.190 $\pm$ 0.372 χ^2 /NDF:911849.7/22

+ sign 1892.771 $\pm$ 0.248 χ^2 /NDF: 2659090.6/49

All: 1883.301 $\pm$ 0.173 χ^2 /NDF: 4984001.0/10

- sign 1874.319 $\pm$ 0.241 χ^2 /NDF: 2322063.8/52

diff_bpm0i01aY_mean vs Slug



Right In: 8.946 ± 0.440 χ^2/NDF : 376.2/24

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

Right Out: -0.730 ± 0.405 χ^2/NDF : 316.3/29

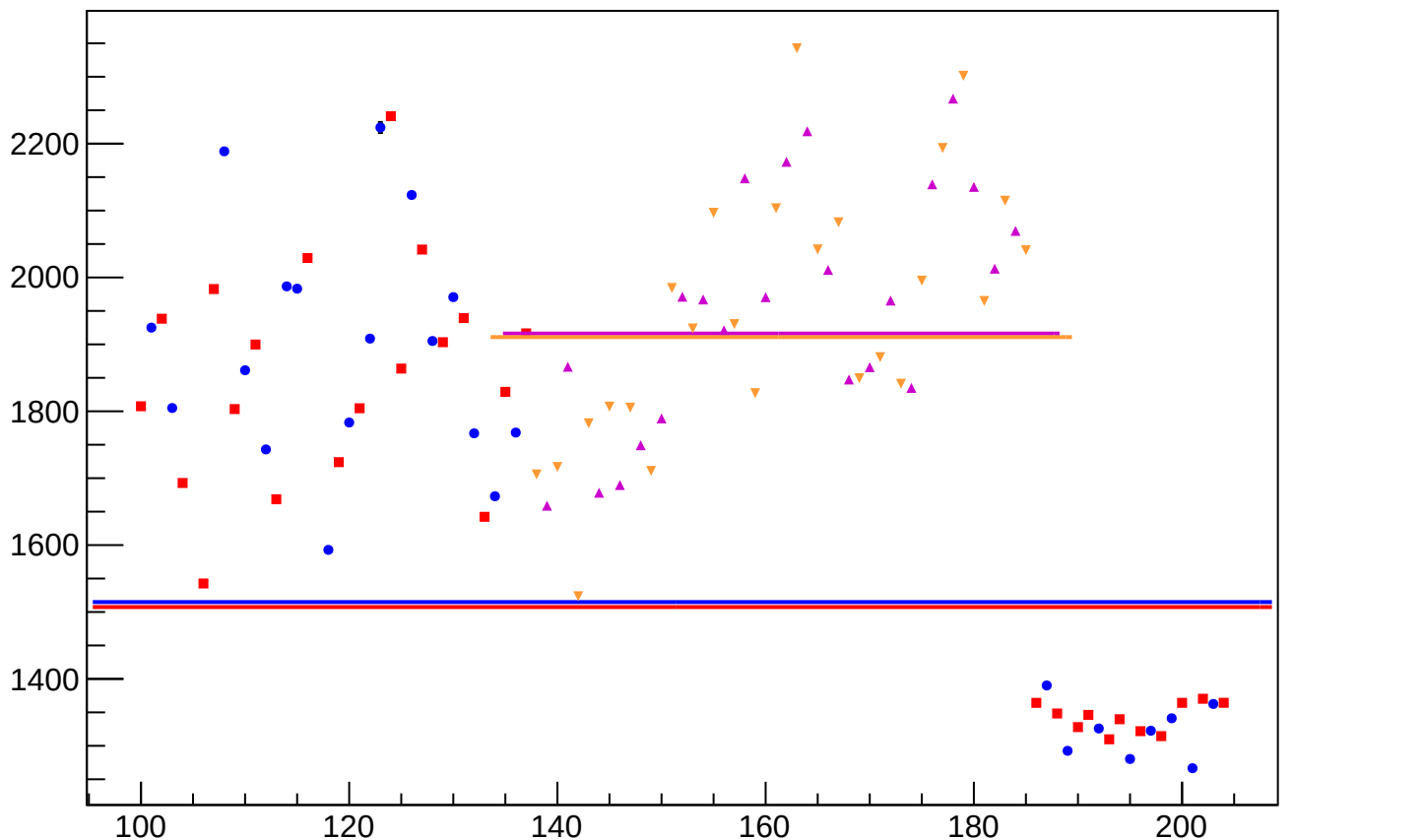
Left In: -3.960 ± 0.463 χ^2/NDF : 464.9/22

+ sign 12.395 ± 0.314 χ^2/NDF : 746.1/49

All: 4.919 ± 0.219 χ^2/NDF : 2657.4/102

- sign -2.131 ± 0.305 χ^2/NDF : 808.7/52

diff_bpm0i01aY_rms vs Slug



Right In: 1514.852 $\pm$ 0.311 χ^2 /NDF: 756170.6/24

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

Right Out: 1507.383 $\pm$ 0.286 χ^2 /NDF: 717375.4/29

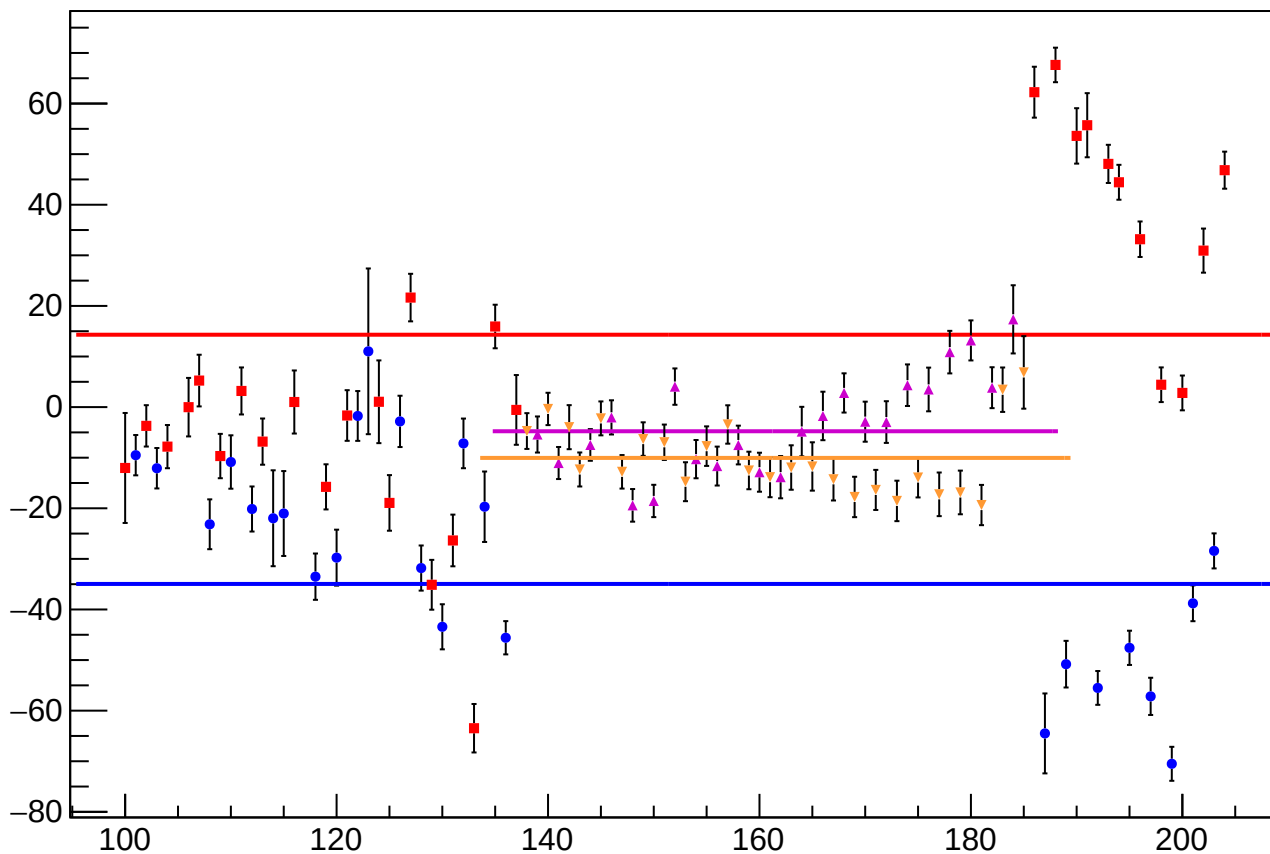
Left In: 1916.159 $\pm$ 0.327 χ^2 /NDF:274285.3/22

+ sign 1709.698 $\pm$ 0.222 χ^2 /NDF: 1881067.4/49

All: 1696.788 $\pm$ 0.155 χ^2 /NDF: 3763017.5/10

- sign 1684.615 $\pm$ 0.215 χ^2 /NDF: 1875374.5/52

diff_bpm0l01X_mean vs Slug



Right In: -34.954 ± 0.889 χ^2/NDF : 492.7/24

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

Right Out: 14.307 ± 0.827 χ^2/NDF : 1380.1/29

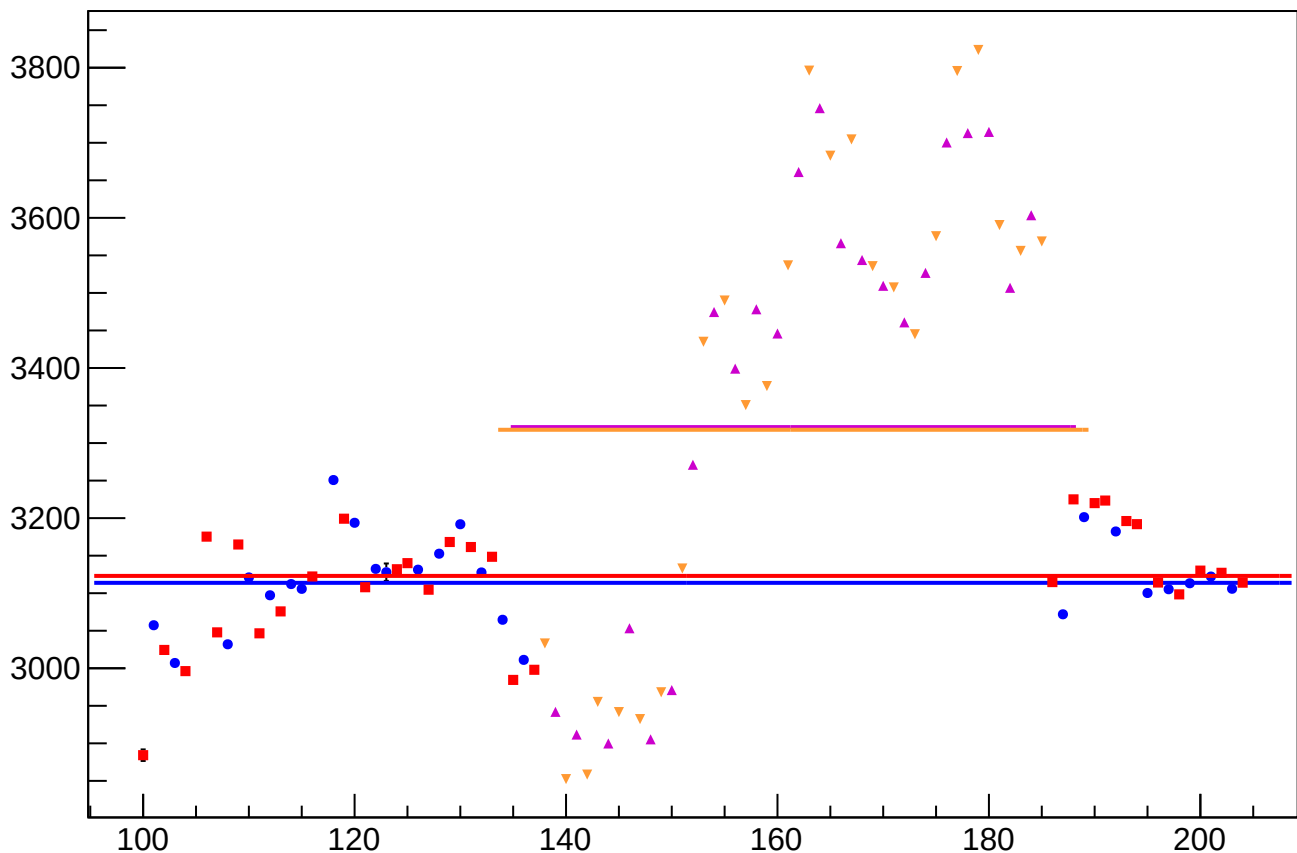
Left In: -4.774 ± 0.800 χ^2/NDF : 128.5/22

+ sign -20.814 ± 0.585 χ^2/NDF : 1005.0/49

All: -7.971 ± 0.410 χ^2/NDF : 3736.9/102

- sign 4.452 ± 0.575 χ^2/NDF : 1783.4/52

diff_bpm0l01X_rms vs Slug



Right In: 3113.811+/-0.629 χ^2/NDF : 9189.3/24

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

Right Out: 3123.043+/-0.585 χ^2/NDF : 13757.7/29

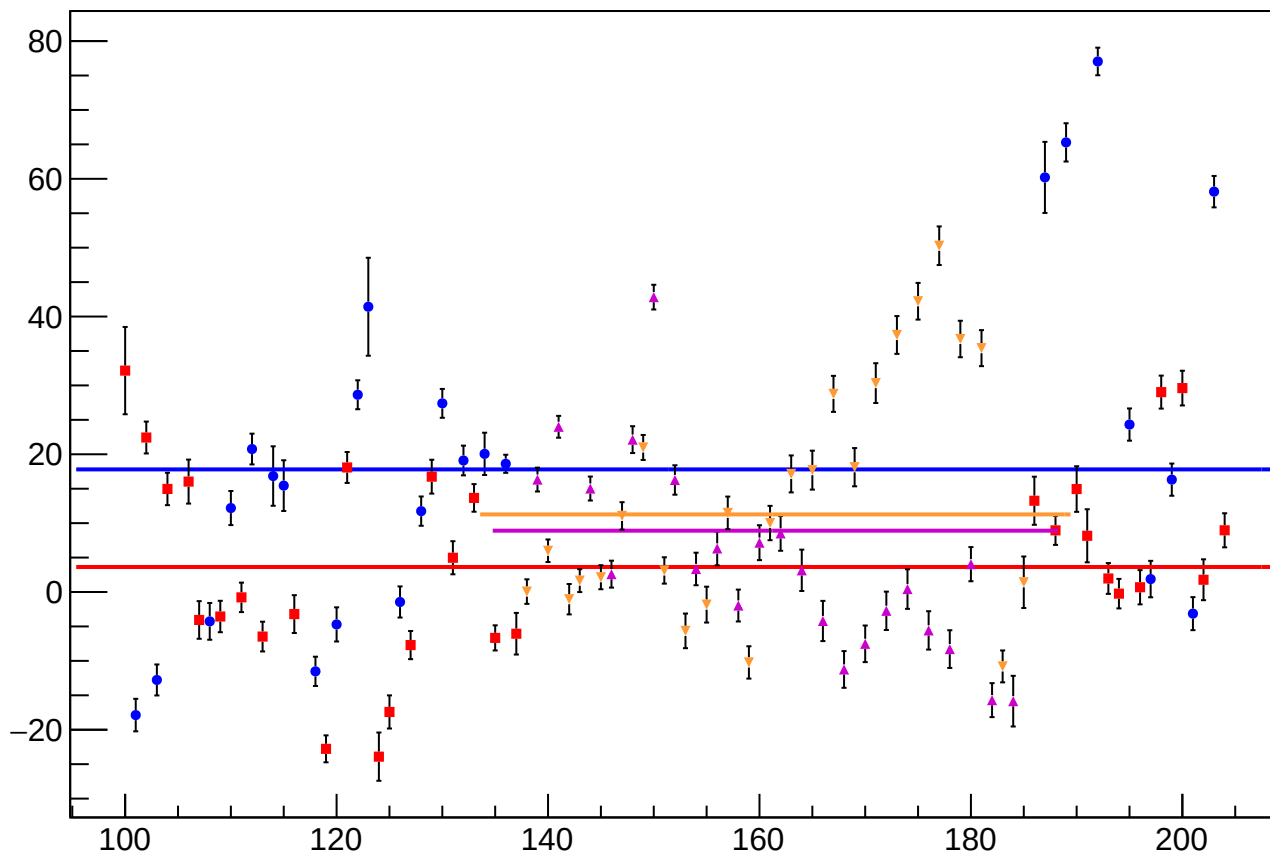
Left In: 3321.275+/-0.566 χ^2/NDF : 284334.2/22

+ sign 3229.534+/-0.414 χ^2/NDF : 405716.5/49

All: 3227.445+/-0.290 χ^2/NDF : 763165.3/102

- sign 3225.424+/-0.407 χ^2/NDF : 357398.6/52

diff_bpm0l01Y_mean vs Slug



Right In: 17.803 $\pm$ 0.473 χ^2 /NDF: 2568.8/24

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

Right Out: 3.633 $\pm$ 0.448 χ^2 /NDF: 919.4/29

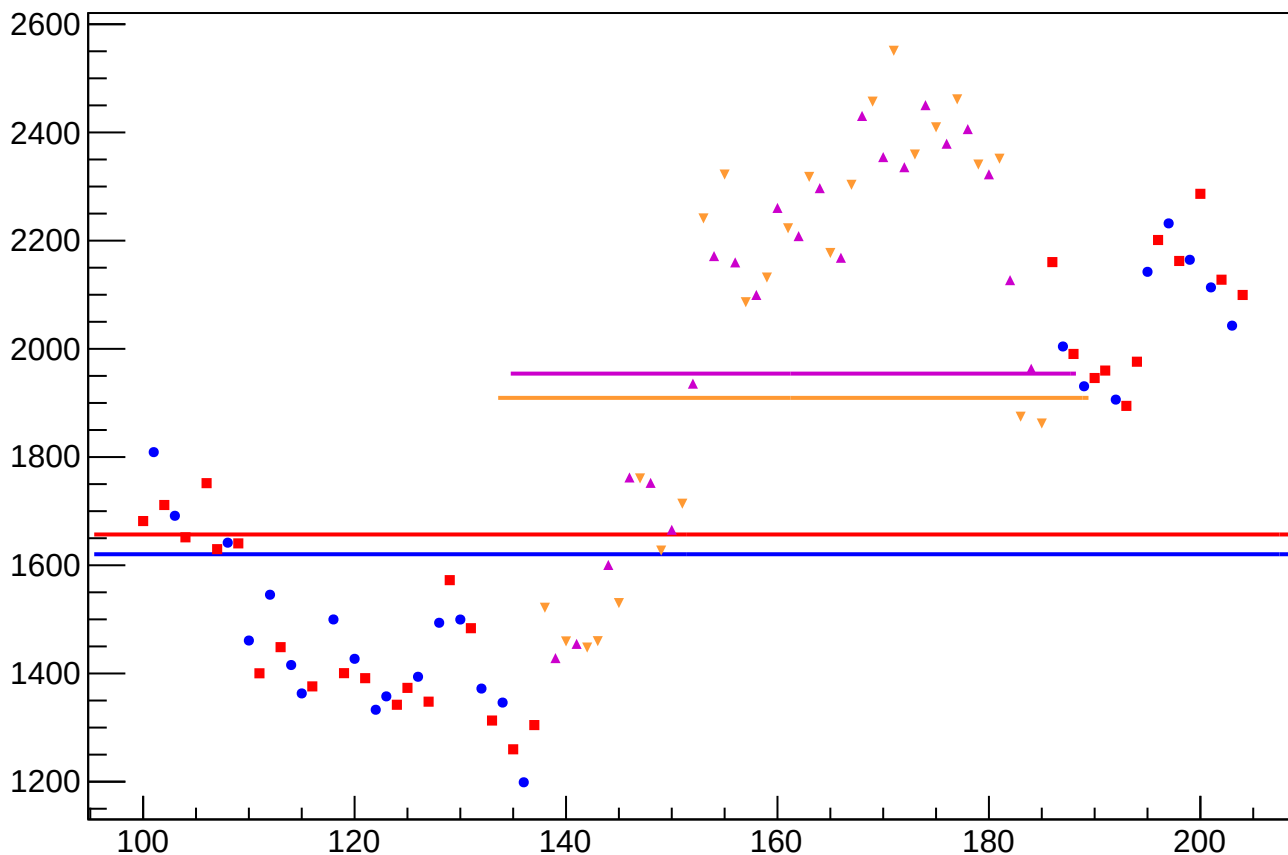
Left In: 8.905 $\pm$ 0.478 χ^2 /NDF:936.3/22

+ sign 14.406 $\pm$ 0.328 χ^2 /NDF: 3809.9/49

All: 10.241 $\pm$ 0.231 χ^2 /NDF: 6052.9/102

- sign 6.100 $\pm$ 0.327 χ^2 /NDF: 1920.5/52

diff_bpm0l01Y_rms vs Slug



Right In: 1620.376 $\pm$ 0.334 χ^2 /NDF: 925408.8/24

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

Right Out: 1656.921 $\pm$ 0.317 χ^2 /NDF: 1027641.6/29

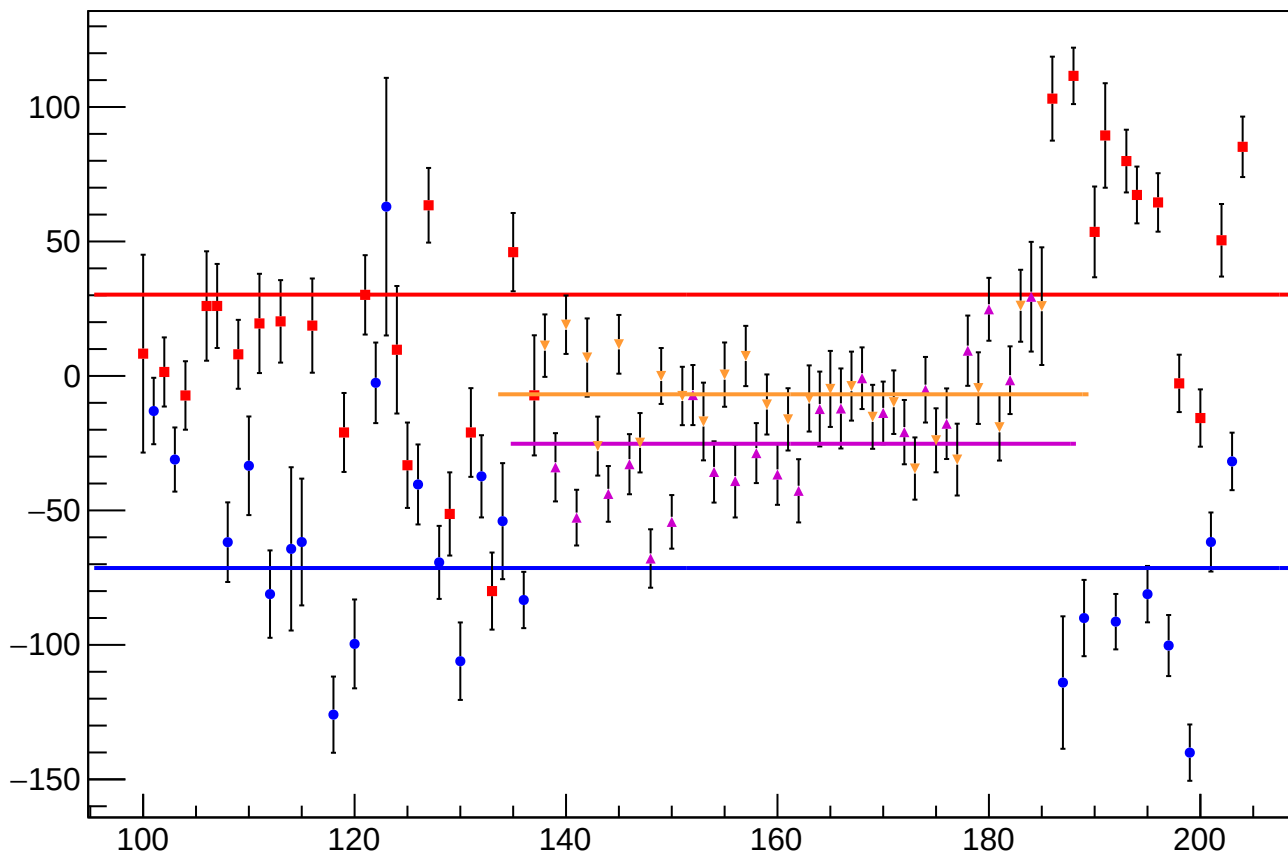
Left In: 1954.236 $\pm$ 0.338 χ^2 /NDF:1044826.7/22

+ sign 1770.610 $\pm$ 0.232 χ^2 /NDF: 2712465.8/49

All: 1783.364 $\pm$ 0.164 χ^2 /NDF: 5203502.3/10

- sign 1796.044 $\pm$ 0.231 χ^2 /NDF: 2484991.3/52

diff_bpm0l02X_mean vs Slug



Right In: -71.419 ± 2.766 χ^2/NDF : 176.2/24

Left Out: -6.825 ± 2.423 χ^2/NDF : 42.3/24

Right Out: 30.237 ± 2.575 χ^2/NDF : 341.3/29

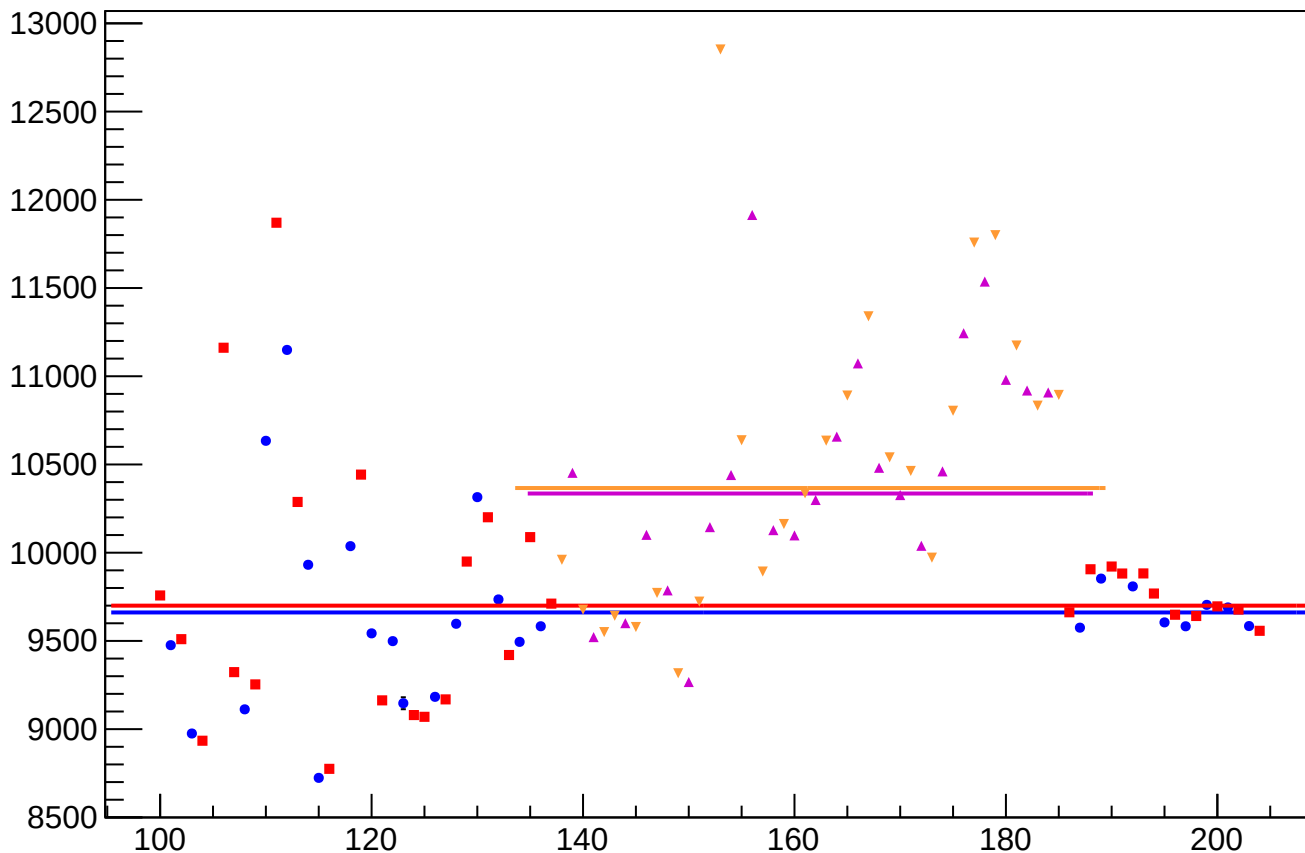
Left In: -25.215 ± 2.487 χ^2/NDF : 89.3/22

+ sign -34.868 ± 1.822 χ^2/NDF : 527.2/49

All: -16.327 ± 1.277 χ^2/NDF : 1401.0/102

- sign 1.539 ± 1.789 χ^2/NDF : 670.5/52

diff_bpm0l02X_rms vs Slug



Right In: 9661.360 $\pm$ 1.956 χ^2 /NDF: 45132.0/24

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

Right Out: 9699.919 $\pm$ 1.821 χ^2 /NDF: 79833.1/29

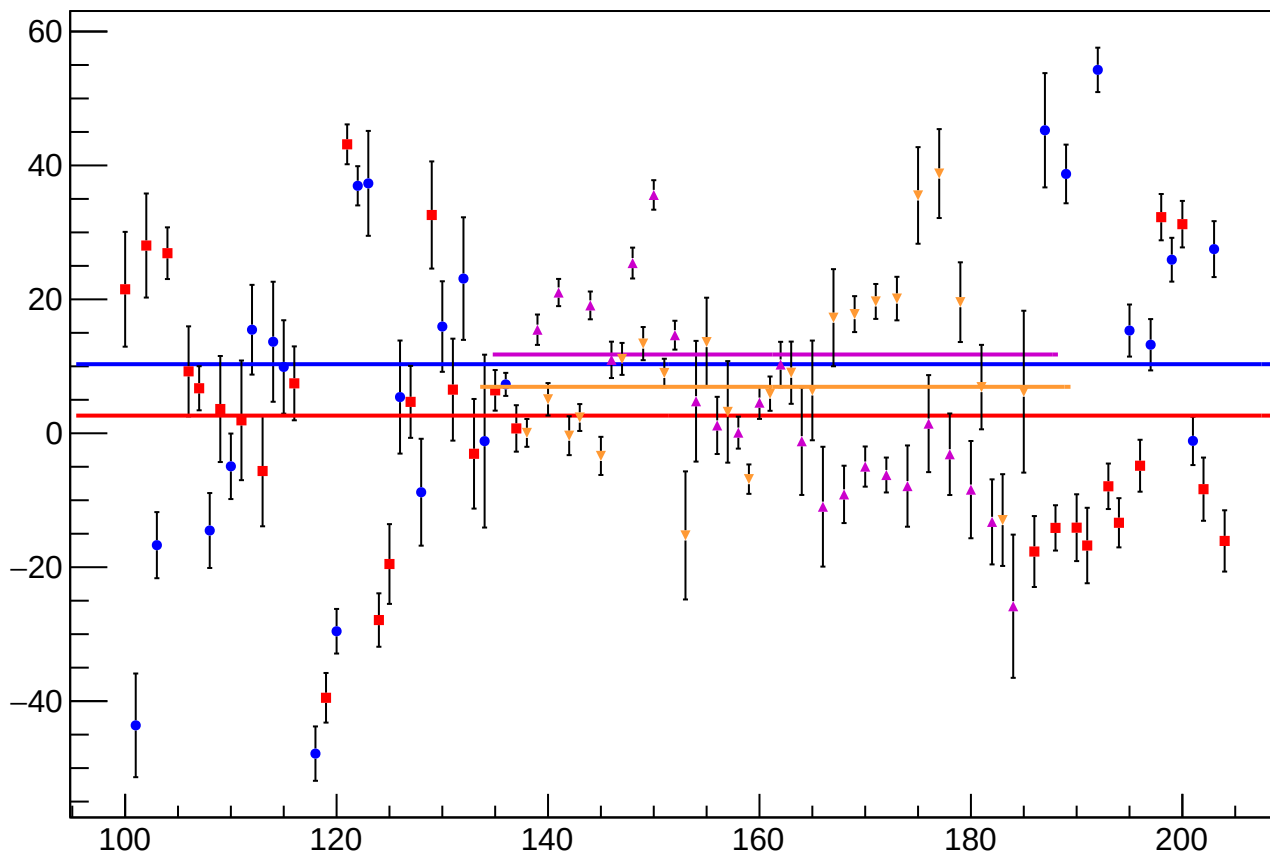
Left In: 10335.399 $\pm$ 1.758 χ^2 /NDF:127173.0/22

+ sign 10060.391 $\pm$ 1.289 χ^2 /NDF: 330106.5/49

All: 10044.304 $\pm$ 0.903 χ^2 /NDF: 600440.0/10

- sign 10028.803 $\pm$ 1.265 χ^2 /NDF: 270027.5/52

diff_bpm0l02Y_mean vs Slug



Right In: 10.318 $\pm$ 0.846 χ^2 /NDF: 851.0/24

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

Right Out: 2.641 $\pm$ 0.811 χ^2 /NDF: 721.2/29

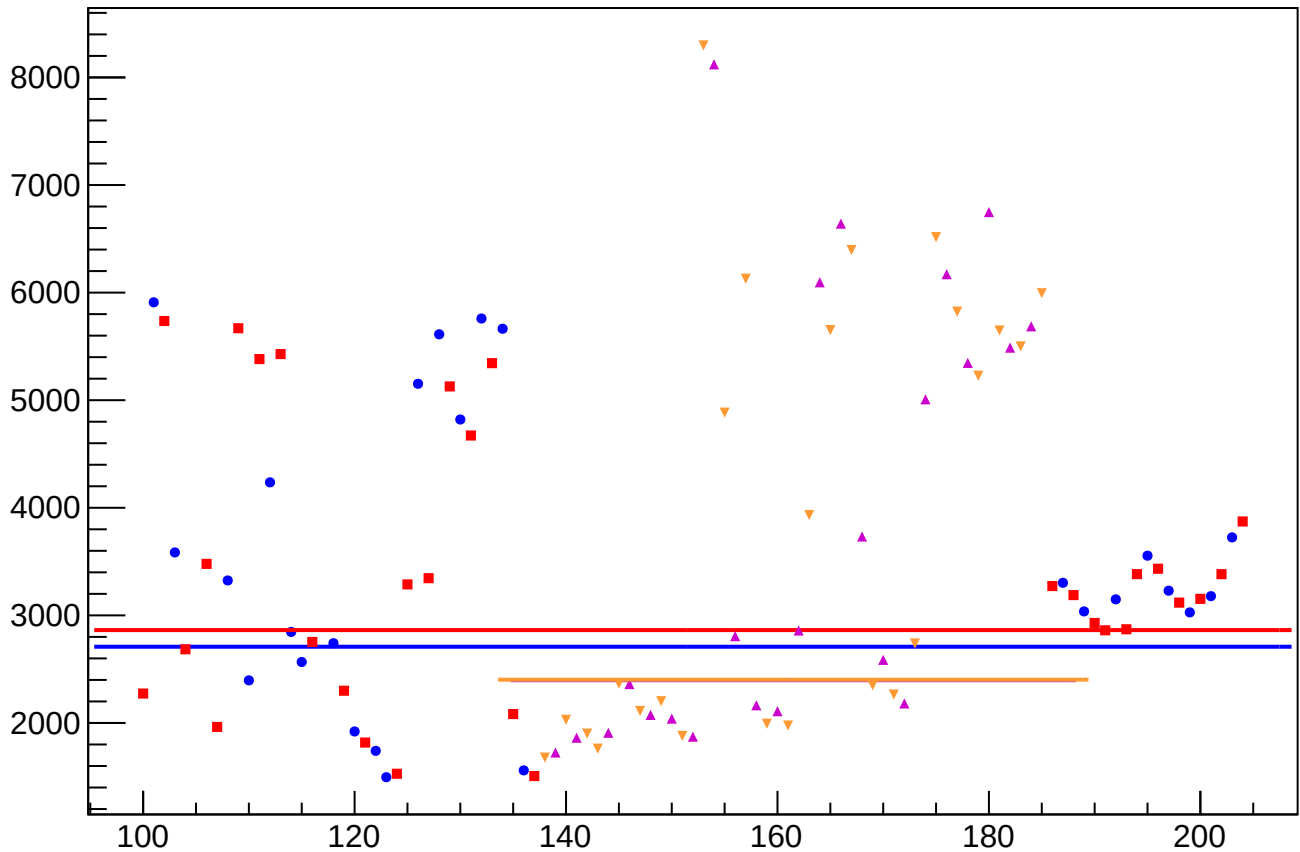
Left In: 11.766 $\pm$ 0.648 χ^2 /NDF: 395.1/22

+ sign 8.166 $\pm$ 0.510 χ^2 /NDF: 1065.0/49

All: 8.187 $\pm$ 0.359 χ^2 /NDF: 2258.6/102

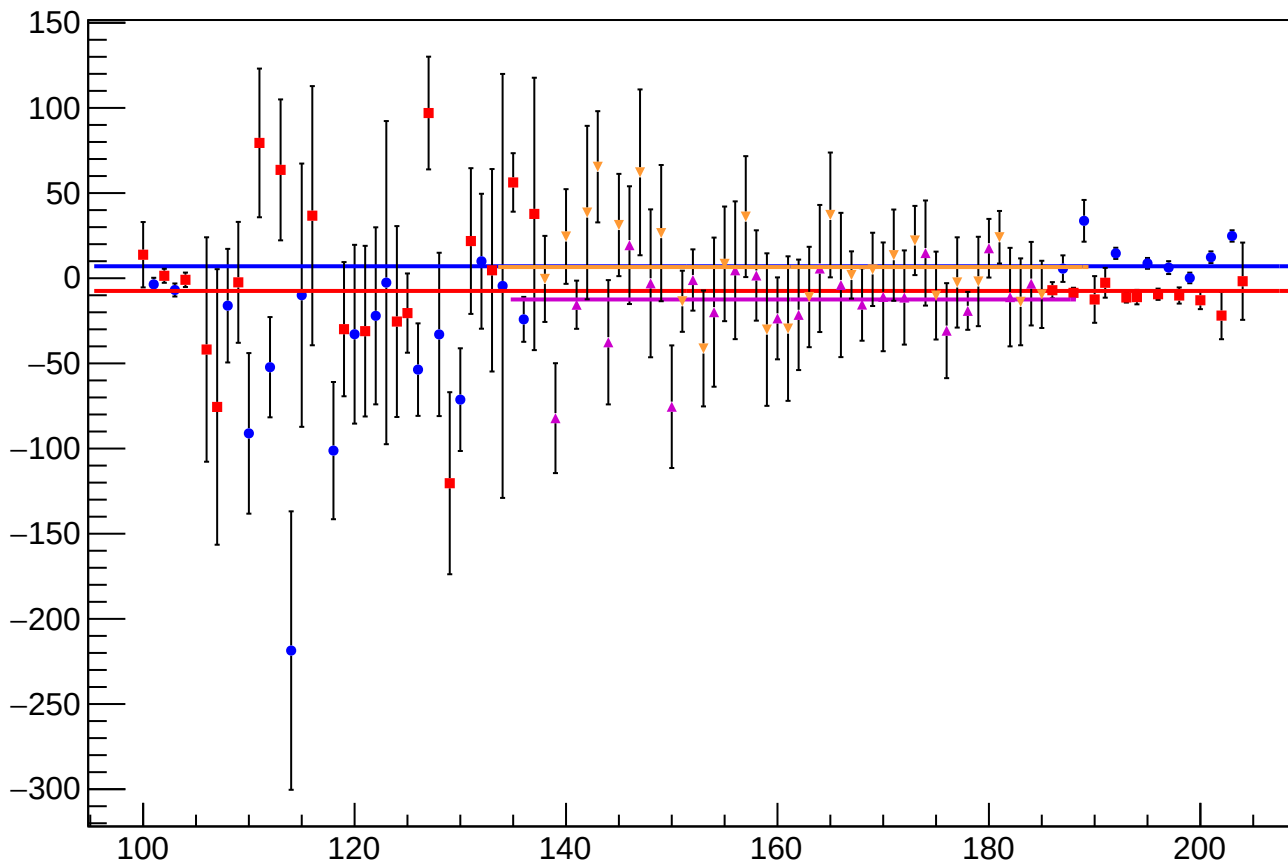
- sign 8.209 $\pm$ 0.506 χ^2 /NDF: 1193.5/52

diff_bpm0l02Y_rms vs Slug



Right In: 2708.518 $\pm$ 0.598	χ^2 /NDF: 3127877.0/24	+ sign 2513.490 $\pm$ 0.360	χ^2 /NDF: 9640642.3/49
Left Out: 2402.359 $\pm$ 0.452	χ^2 /NDF: 6345982.8/24	All: 2546.543 $\pm$ 0.254	χ^2 /NDF: 18214692.0/1
Right Out: 2863.195 $\pm$ 0.574	χ^2 /NDF: 2756536.2/29	- sign 2579.163 $\pm$ 0.358	χ^2 /NDF: 8557345.9/52
Left In: 2397.701 $\pm$ 0.458	χ^2 /NDF: 5398920.1/22		

diff_bpm0l03X_mean vs Slug



Right In: 7.030 ± 1.186 χ^2/NDF : 109.5/24

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

Right Out: -7.458 ± 1.238 χ^2/NDF : 52.4/29

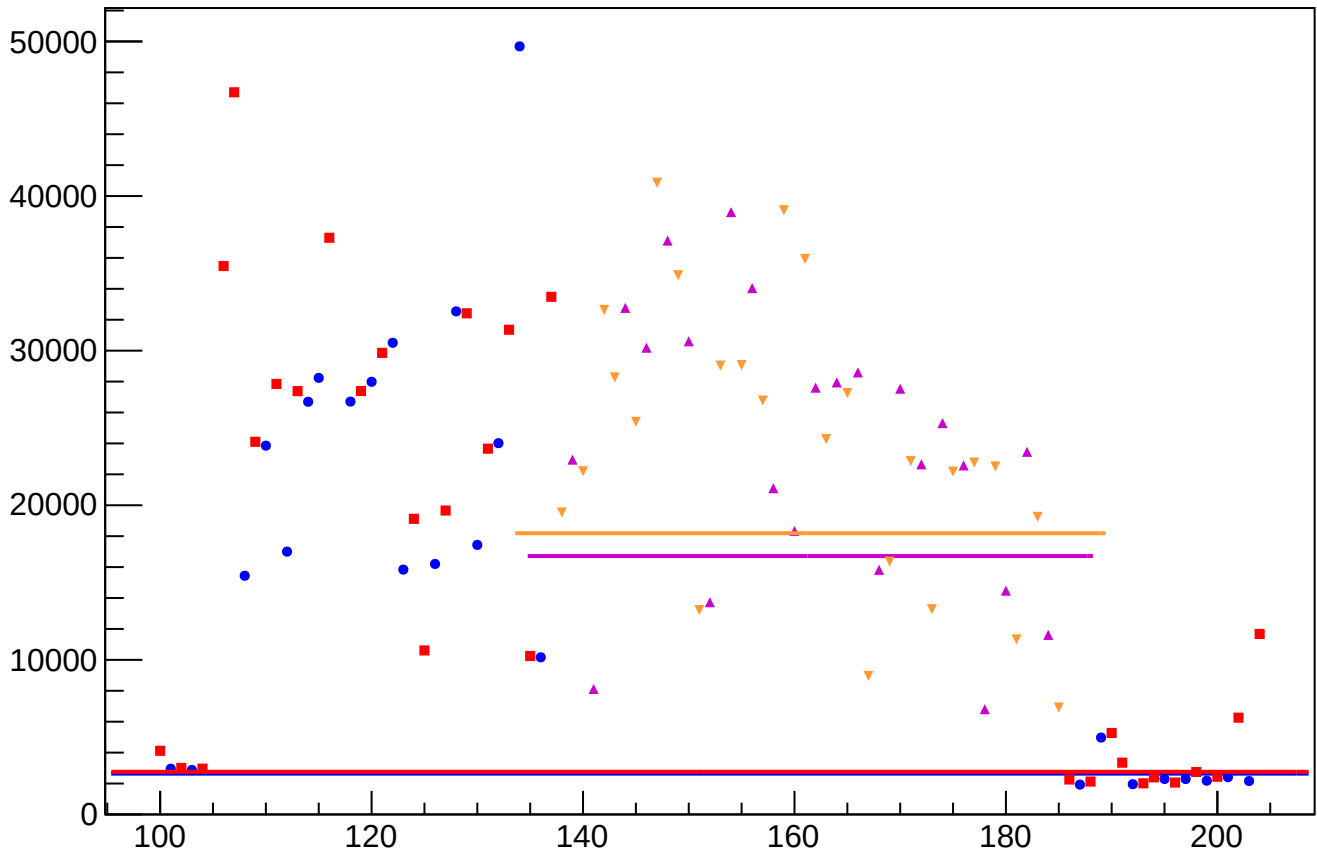
Left In: -12.469 ± 5.025 χ^2/NDF : 15.4/22

+ sign 7.006 ± 1.155 χ^2/NDF : 126.2/49

All: -0.073 ± 0.833 χ^2/NDF : 273.3/102

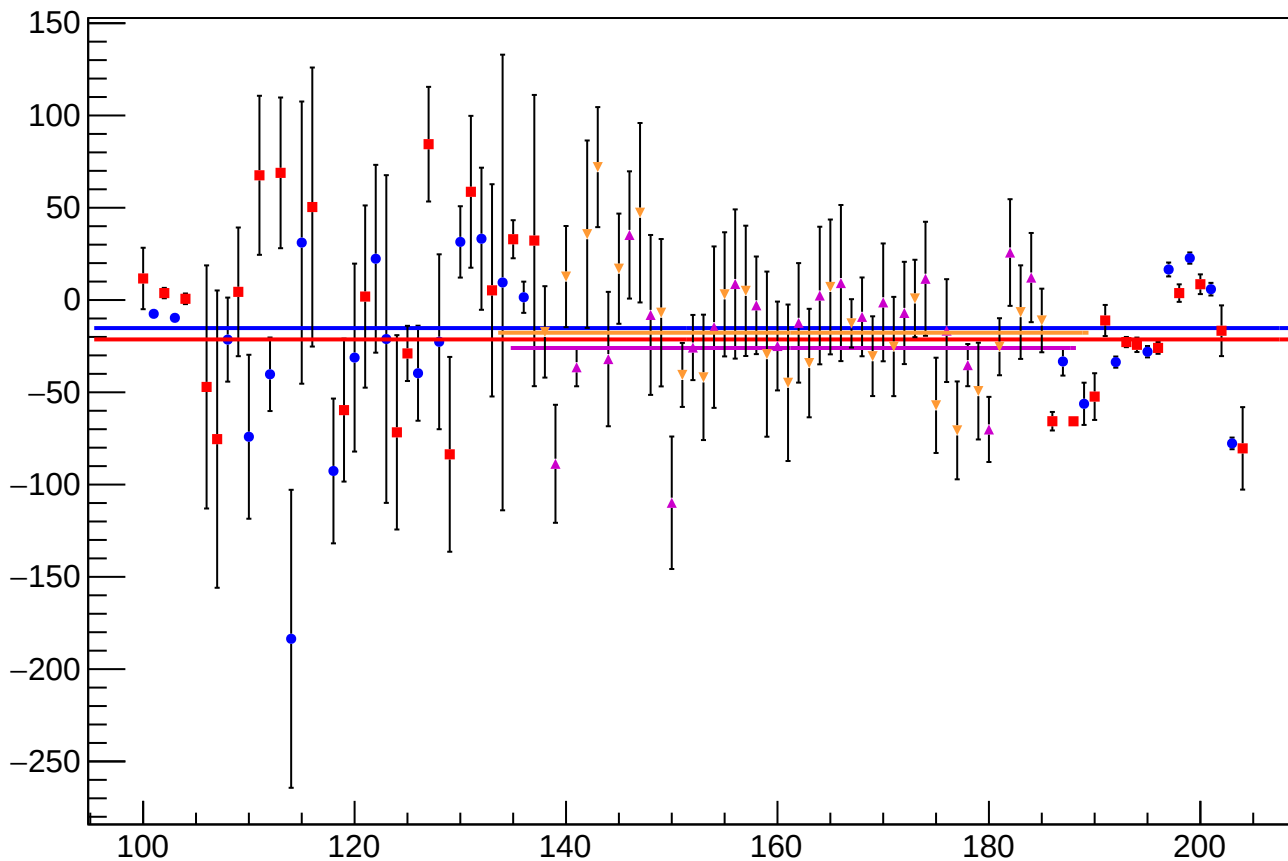
- sign -7.745 ± 1.202 χ^2/NDF : 68.8/52

diff_bpm0l03X_rms vs Slug



Right In: 2640.024+/-0.839	χ^2/NDF : 6968150.6/24	+ sign 3444.788+/-0.817	χ^2/NDF : 30018216.5/49
Left Out: 18190.387+/-3.590	χ^2/NDF : 5261328.5/24	All: 3499.474+/-0.589	χ^2/NDF : 59747187.1/1
Right Out: 2759.754+/-0.876	χ^2/NDF : 8987831.7/29	- sign 3558.743+/-0.850	χ^2/NDF : 29719629.0/52
Left In: 16713.653+/-3.553	χ^2/NDF : 6194178.8/22		

diff_bpm0l03Y_mean vs Slug



Right In: -15.199 ± 1.043 χ^2/NDF : 765.2/24

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

Right Out: -21.348 ± 1.085 χ^2/NDF : 625.4/29

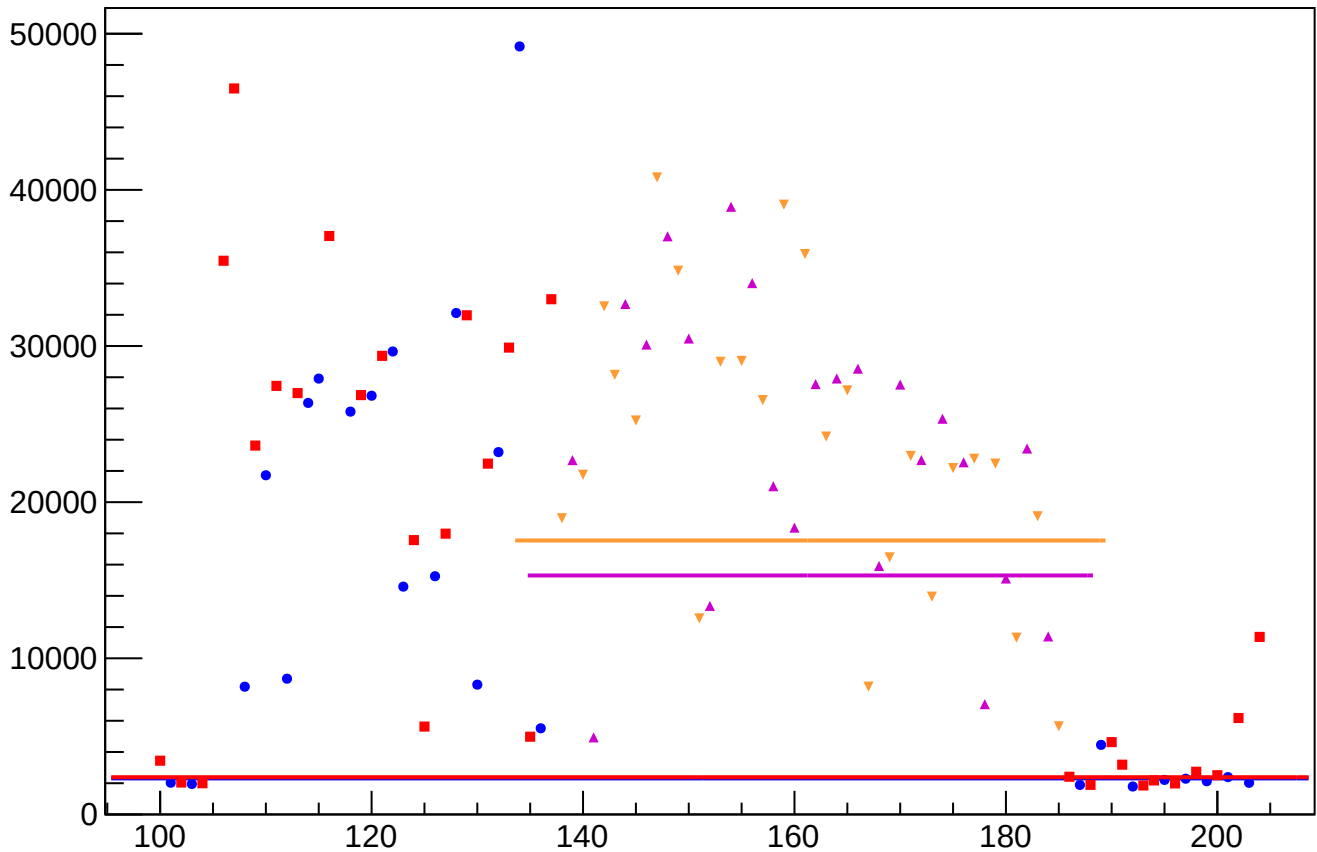
Left In: -25.991 ± 4.789 χ^2/NDF : 32.6/22

+ sign -15.305 ± 1.021 χ^2/NDF : 792.6/49

All: -18.327 ± 0.735 χ^2/NDF : 1469.6/102

- sign -21.575 ± 1.059 χ^2/NDF : 658.9/52

diff_bpm0l03Y_rms vs Slug



Right In: 2310.079+/-0.738 χ^2/NDF : 5795293.5/24

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

Right Out: 2384.875+/-0.768 χ^2/NDF : 8638250.5/29

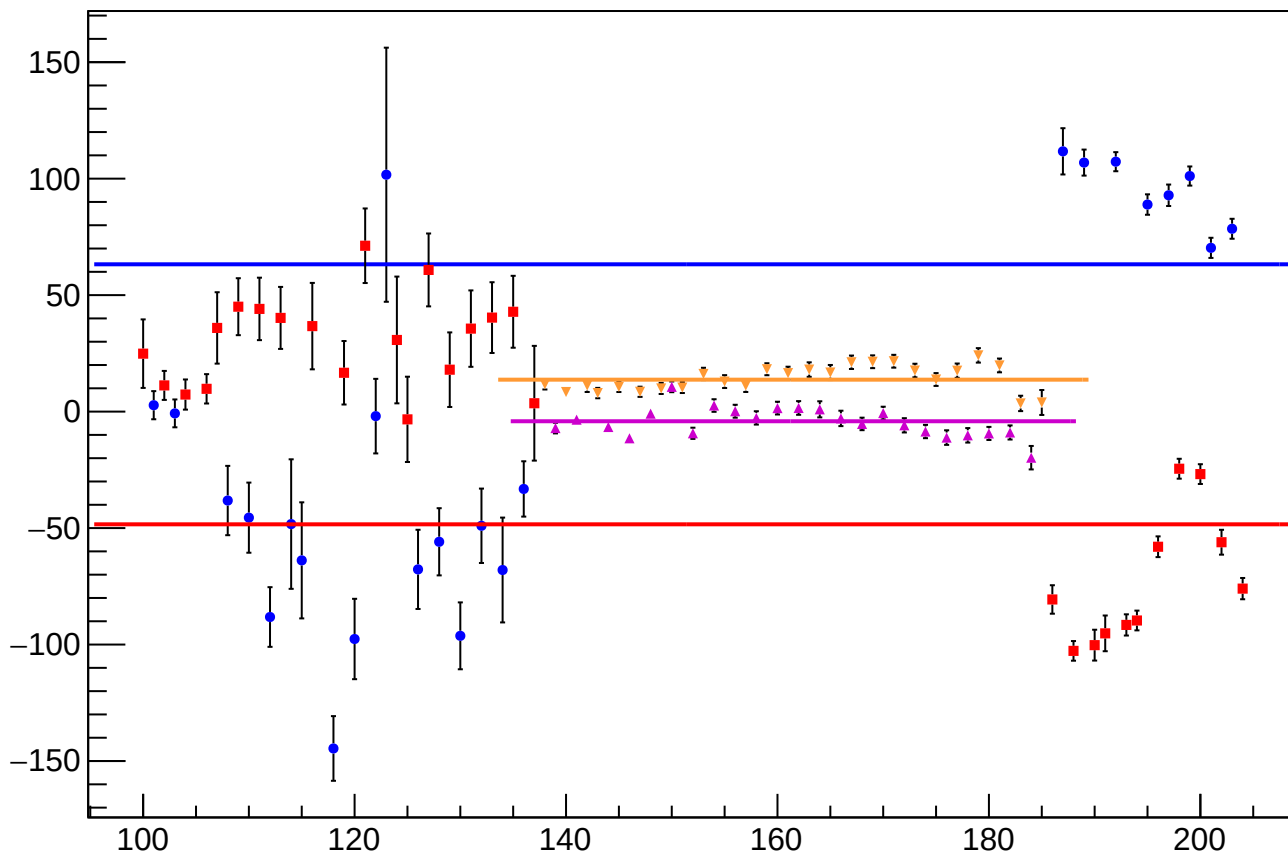
Left In: 15305.311+/-3.386 χ^2/NDF : 7721177.0/22

+ sign 2951.991+/-0.722 χ^2/NDF : 29671386.8/49

All: 2982.954+/-0.520 χ^2/NDF : 59881709.1/100

- sign 3016.240+/-0.749 χ^2/NDF : 30206505.6/52

diff_bpm0l04X_mean vs Slug



Right In: 63.233+/-1.442 χ^2/NDF : 1600.8/24

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

Right Out: -48.385+/-1.280 χ^2/NDF : 1313.9/29

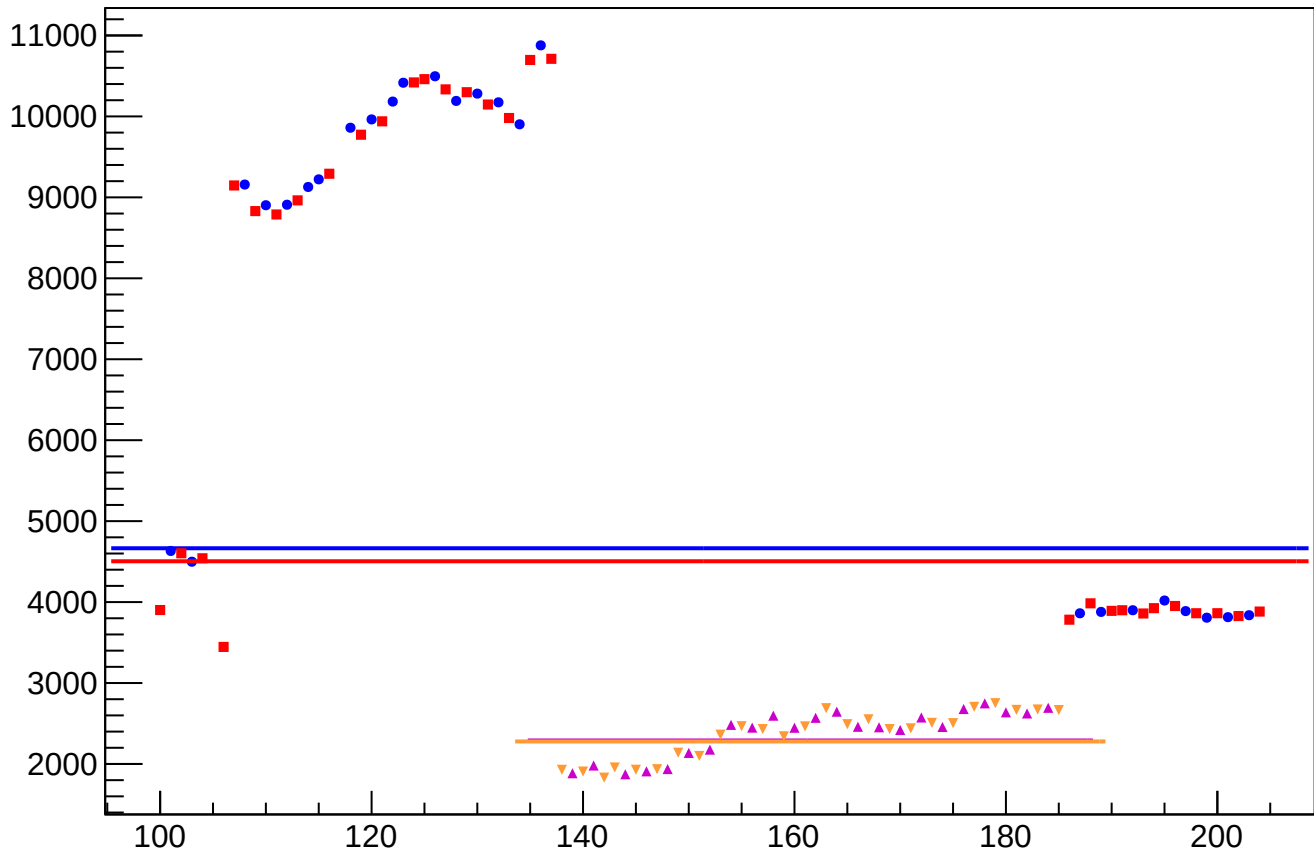
Left In: -4.141+/-0.555 χ^2/NDF : 111.7/22

+ sign 19.703+/-0.502 χ^2/NDF : 2726.8/49

All: 4.502+/-0.357 χ^2/NDF : 7020.4/102

- sign -11.140+/-0.509 χ^2/NDF : 2431.7/52

diff_bpm0l04X_rms vs Slug



Right In: 4664.964+/-1.020 χ^2/NDF : 3600816.0/24

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

+ sign 2566.983+/-0.355 χ^2/NDF : 9021198.2/49

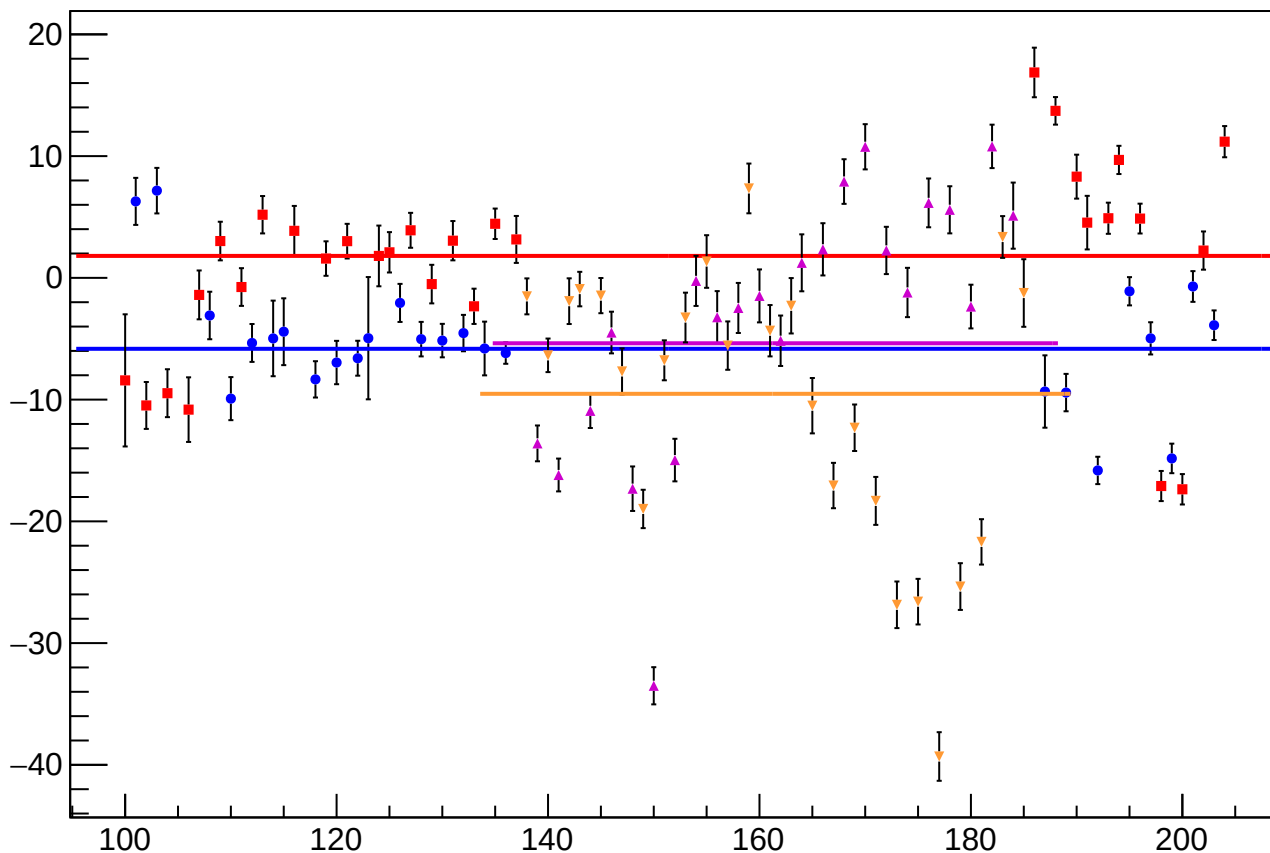
Right Out: 4504.266+/-0.905 χ^2/NDF : 3734208.8/29

All: 2603.310+/-0.253 χ^2/NDF : 18404780.0/100

- sign 2640.688+/-0.360 χ^2/NDF : 9362317.1/52

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

diff_bpm0l04Y_mean vs Slug



Right In: -5.827 ± 0.300 χ^2/NDF : 283.3/24

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

Right Out: 1.803 ± 0.283 χ^2/NDF : 891.3/29

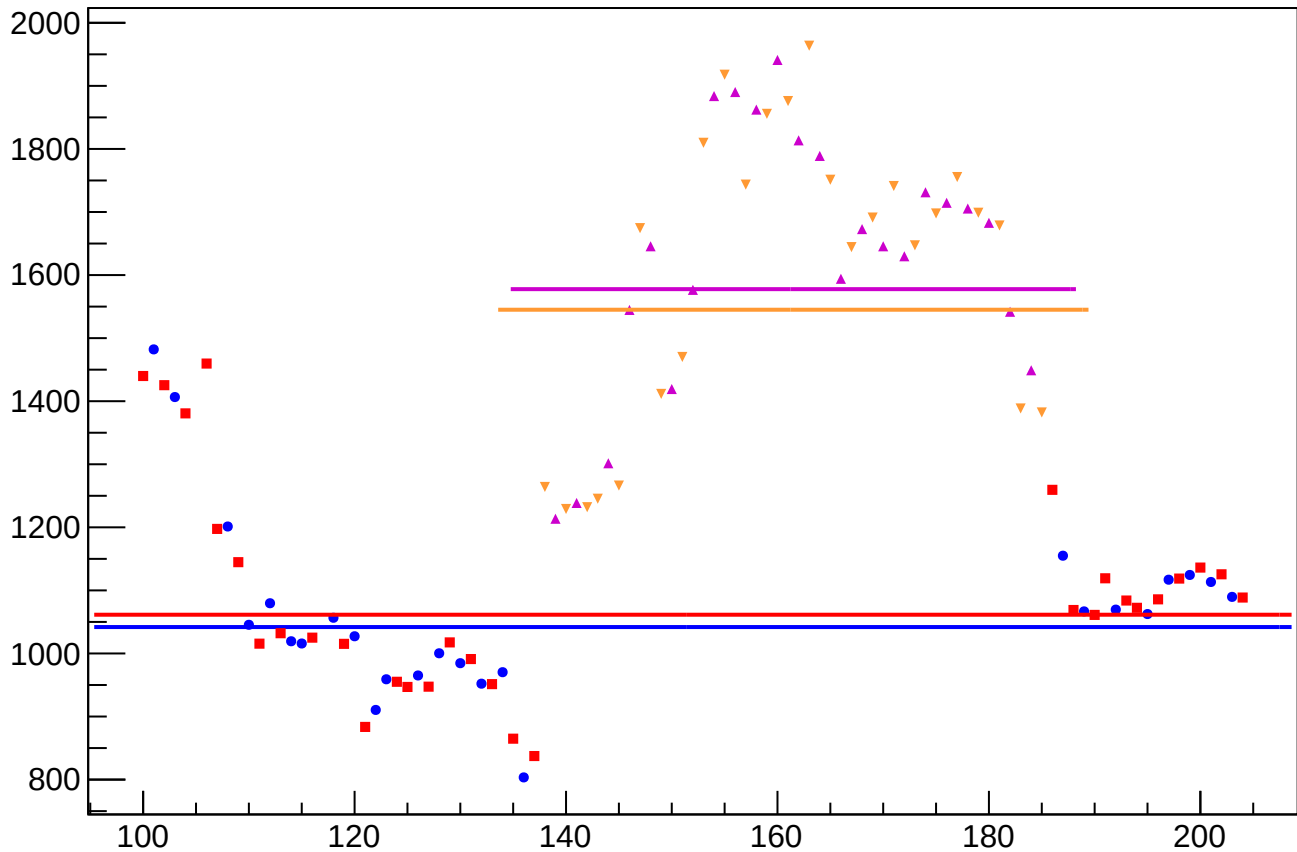
Left In: -5.372 ± 0.383 χ^2/NDF : 869.8/22

+ sign -7.320 ± 0.232 χ^2/NDF : 1228.6/49

All: -3.968 ± 0.162 χ^2/NDF : 3627.6/102

- sign -0.734 ± 0.228 χ^2/NDF : 1988.2/52

diff_bpm0l04Y_rms vs Slug



Right In: 1041.883 $\pm$ 0.212 χ^2 /NDF: 409792.8/24

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

Right Out: 1061.429 $\pm$ 0.200 χ^2 /NDF: 386886.8/29

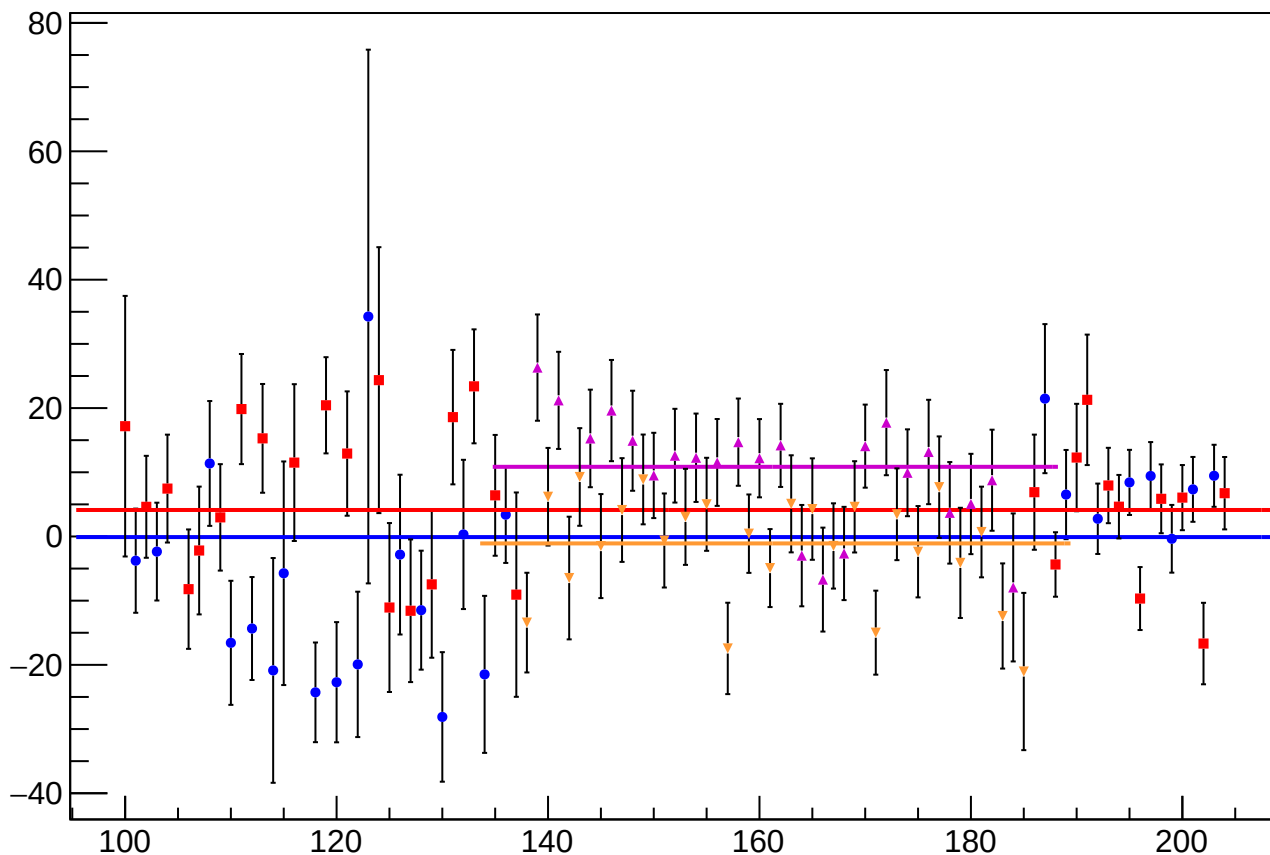
Left In: 1577.685 $\pm$ 0.271 χ^2 /NDF: 625406.2/22

+ sign 1245.103 $\pm$ 0.164 χ^2 /NDF: 3521038.9/49

All: 1244.534 $\pm$ 0.115 χ^2 /NDF: 6883403.5/10

- sign 1243.984 $\pm$ 0.161 χ^2 /NDF: 3362340.9/52

diff_bpm0l05X_mean vs Slug



Right In: -0.095 ± 1.532 $\chi^2/\text{NDF}: 57.9/24$

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

Right Out: 4.126 ± 1.401 $\chi^2/\text{NDF}: 52.8/29$

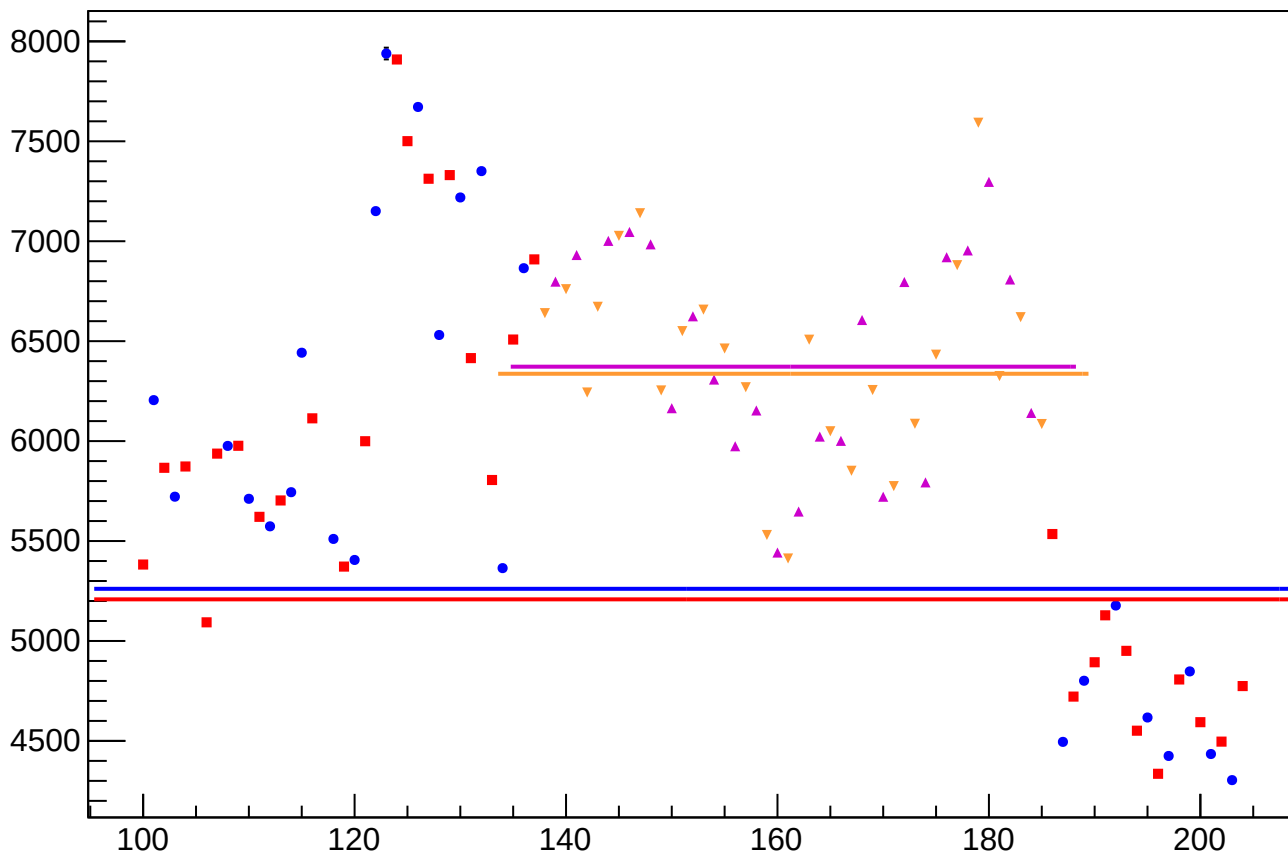
Left In: 10.851 ± 1.542 $\chi^2/\text{NDF}: 24.4/22$

+ sign -0.604 ± 1.067 $\chi^2/\text{NDF}: 85.6/49$

All: 3.394 ± 0.744 $\chi^2/\text{NDF}: 200.4/102$

- sign 7.167 ± 1.037 $\chi^2/\text{NDF}: 87.6/52$

diff_bpm0l05X_rms vs Slug



Right In: 5260.954+/-1.083 χ^2/NDF : 718388.4/24

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

Right Out: 5208.212+/-0.991 χ^2/NDF : 627790.5/29

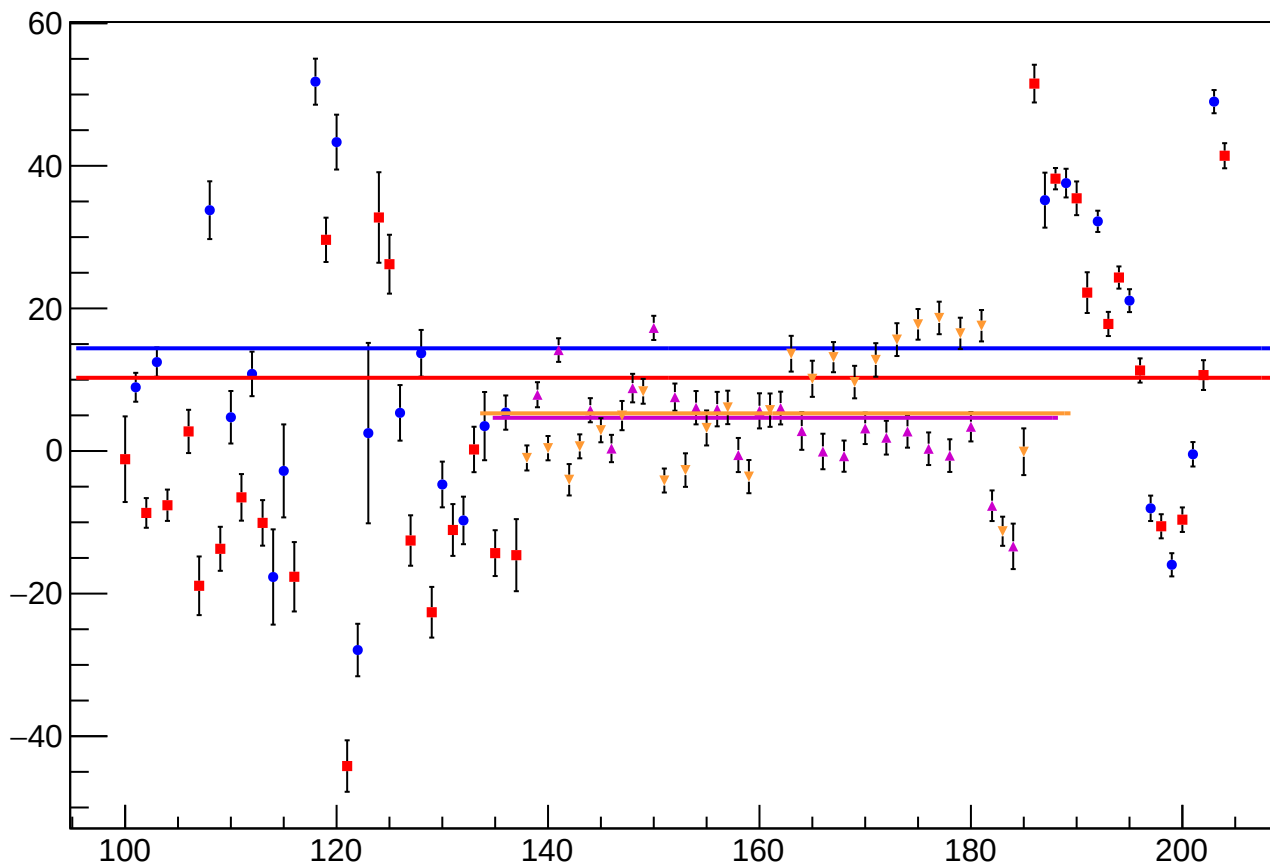
Left In: 6372.349+/-1.090 χ^2/NDF : 247257.0/22

+ sign 5814.927+/-0.755 χ^2/NDF : 1449141.6/49

All: 5773.646+/-0.526 χ^2/NDF : 2954698.5/10

- sign 5734.681+/-0.733 χ^2/NDF : 1499738.8/52

diff_bpm0l05Y_mean vs Slug



Right In: 14.405 $\pm$ 0.492 χ^2 /NDF: 1861.5/24

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

Right Out: 10.269 $\pm$ 0.450 χ^2 /NDF: 2340.0/29

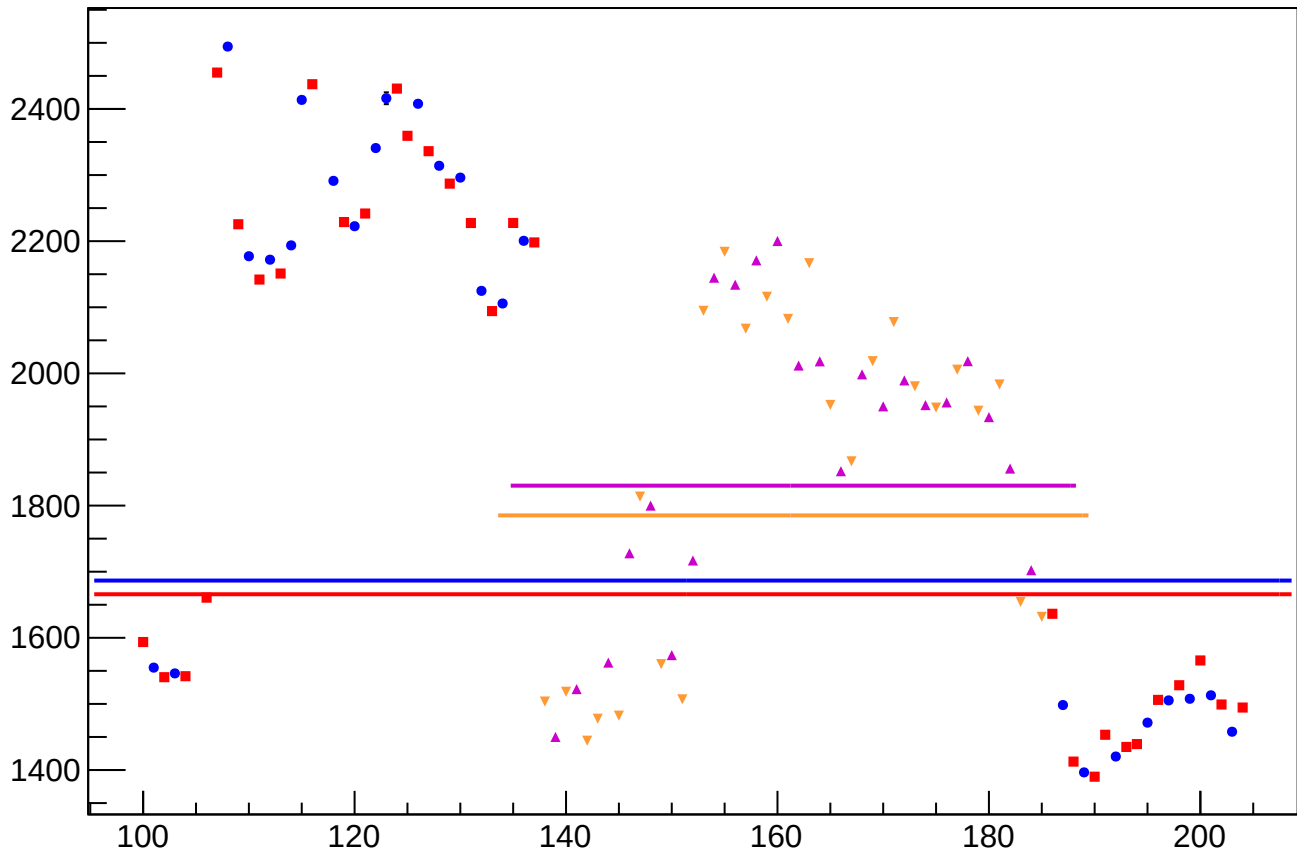
Left In: 4.657 $\pm$ 0.443 χ^2 /NDF: 196.5/22

+ sign 9.137 $\pm$ 0.320 χ^2 /NDF: 2426.1/49

All: 8.269 $\pm$ 0.225 χ^2 /NDF: 5056.2/102

- sign 7.423 $\pm$ 0.316 χ^2 /NDF: 2615.5/52

diff_bpm0l05Y_rms vs Slug



Right In: 1686.611 $\pm$ 0.348 χ^2 /NDF: 1002680.1/24

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

Right Out: 1665.894 $\pm$ 0.318 χ^2 /NDF: 1039030.7/29

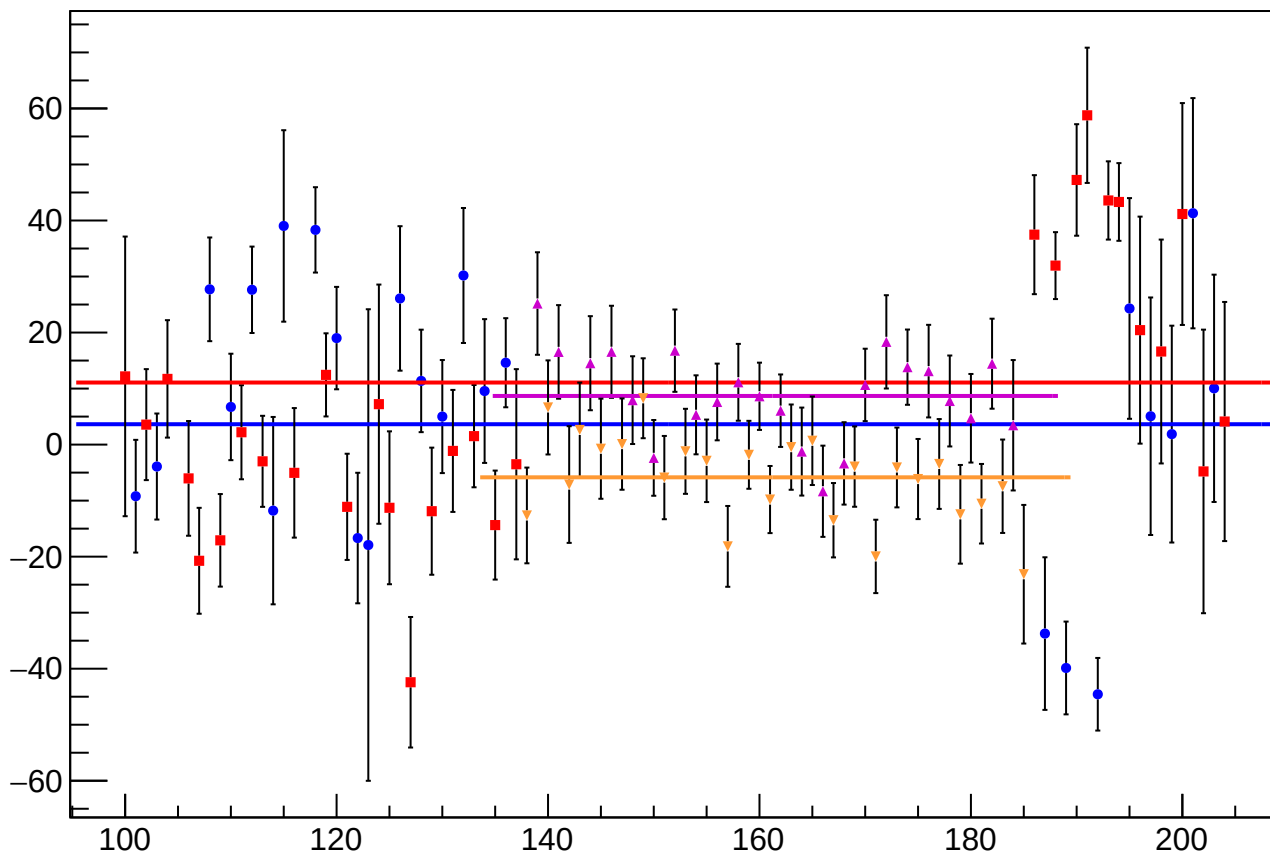
Left In: 1830.160 $\pm$ 0.313 χ^2 /NDF: 508391.9/22

+ sign 1743.543 $\pm$ 0.226 χ^2 /NDF: 1799687.3/49

All: 1746.412 $\pm$ 0.159 χ^2 /NDF: 3482737.8/10

- sign 1749.210 $\pm$ 0.223 χ^2 /NDF: 1682732.5/52

diff_bpm0l06X_mean vs Slug



Right In: 3.637 ± 2.145 $\chi^2/\text{NDF}: 156.6/24$

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

Right Out: 11.079 ± 1.870 $\chi^2/\text{NDF}: 169.3/29$

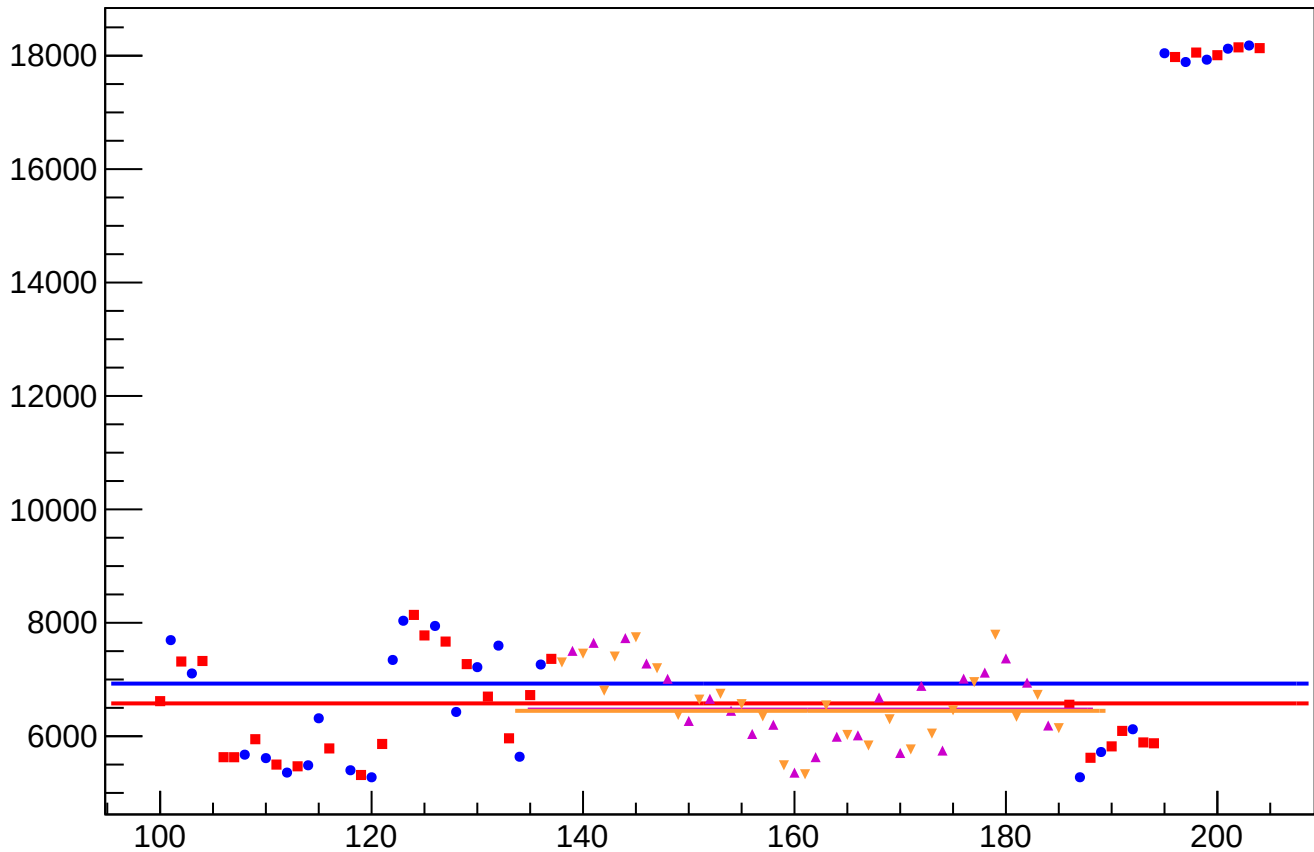
Left In: 8.683 ± 1.571 $\chi^2/\text{NDF}: 21.9/22$

+ sign -2.676 ± 1.239 $\chi^2/\text{NDF}: 192.9/49$

All: 3.684 ± 0.863 $\chi^2/\text{NDF}: 436.2/102$

- sign 9.674 ± 1.203 $\chi^2/\text{NDF}: 192.2/52$

diff_bpm0l06X_rms vs Slug



Right In: 6927.921 ± 1.517 χ^2/NDF : 3517122.8/24

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

Right Out: 6578.537 ± 1.322 χ^2/NDF : 3354410.2/29

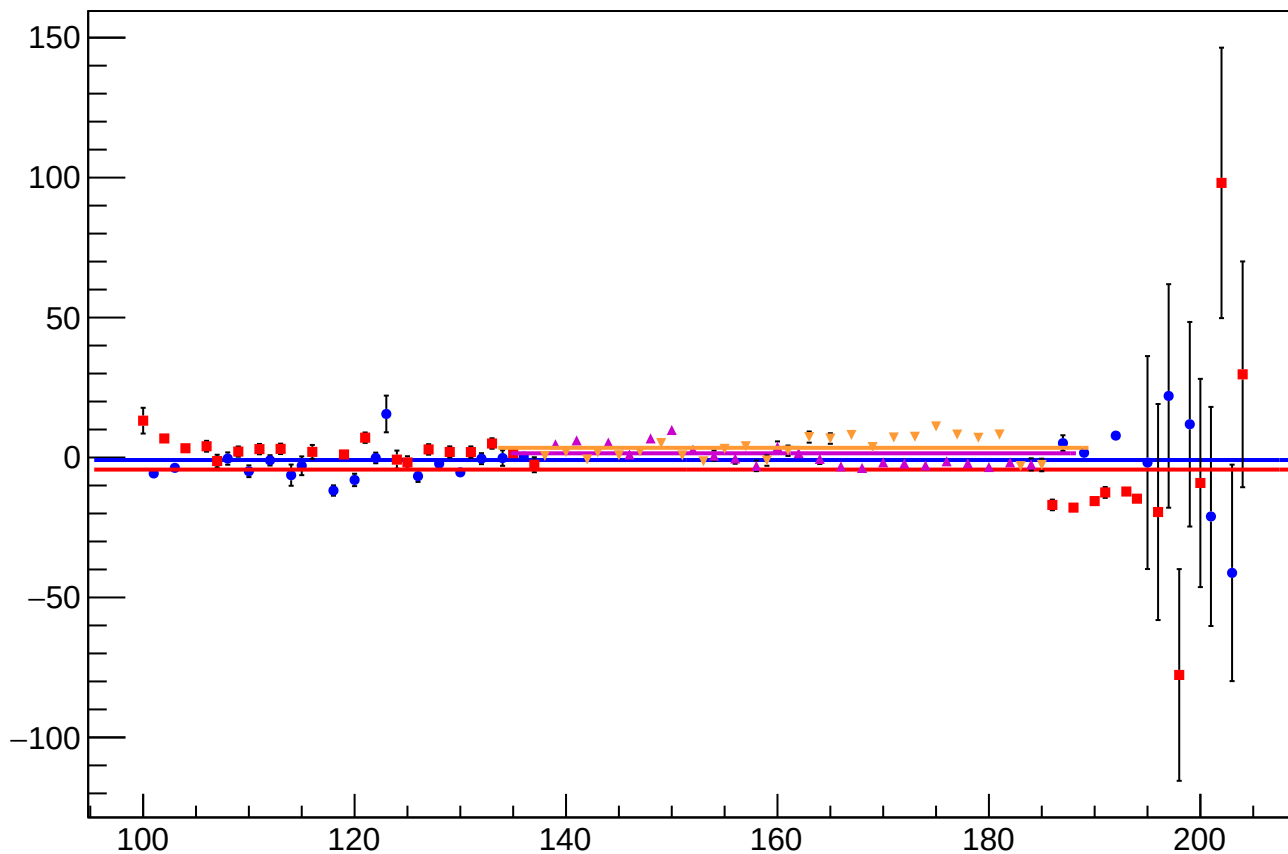
Left In: 6468.902 ± 1.111 χ^2/NDF : 383325.4/22

+ sign 6608.021 ± 0.876 χ^2/NDF : 3955583.0/49

- sign 6514.250 ± 0.850 χ^2/NDF : 3741766.7/52

All: 6559.732 ± 0.610 χ^2/NDF : 7703247.0/100

diff_bpm0l06Y_mean vs Slug



Right In: -0.893 ± 0.406 χ^2/NDF : 173.1/24

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

Right Out: -4.314 ± 0.355 χ^2/NDF : 671.2/29

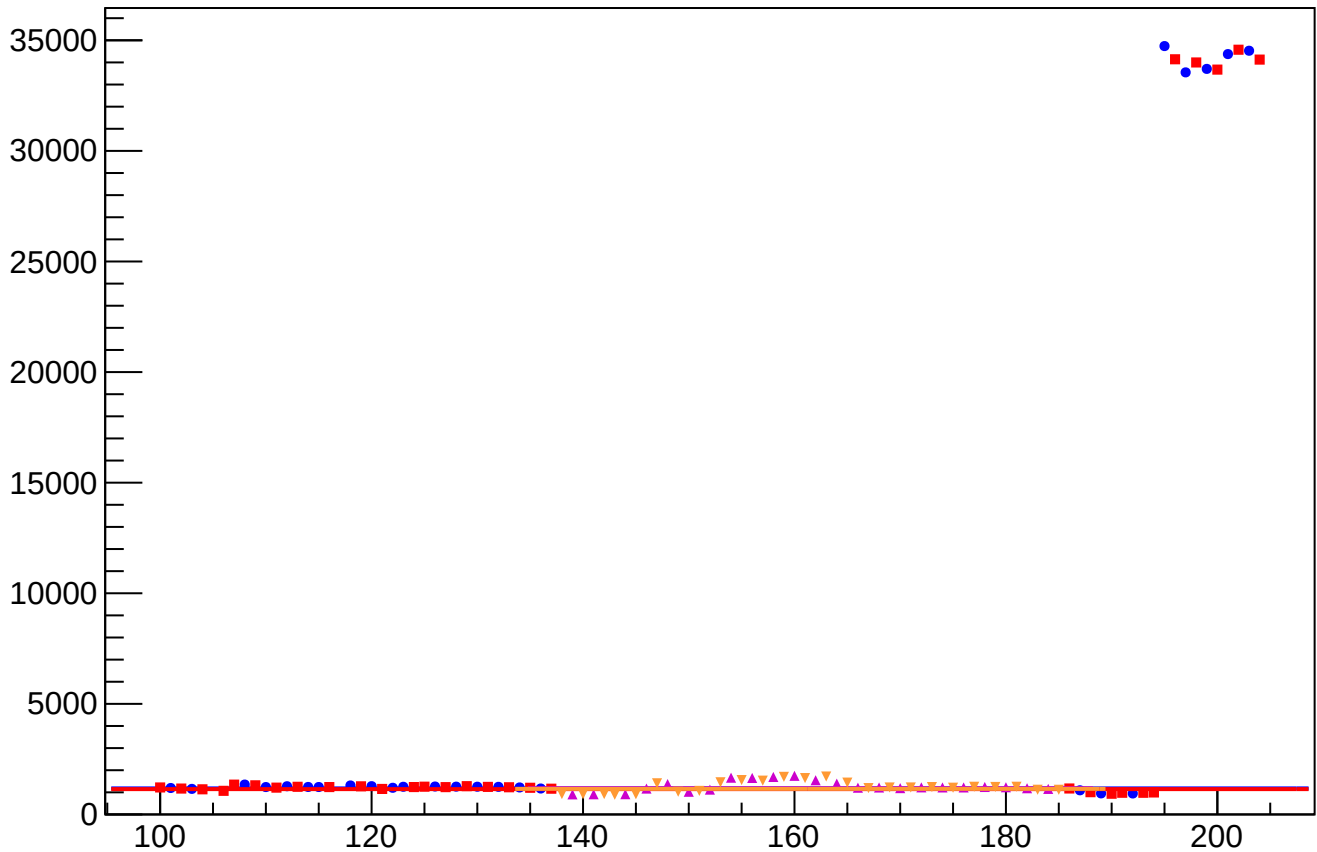
Left In: 1.502 ± 0.291 χ^2/NDF : 202.7/22

+ sign 2.087 ± 0.228 χ^2/NDF : 428.1/49

All: 0.603 ± 0.160 χ^2/NDF : 1546.1/102

- sign -0.835 ± 0.225 χ^2/NDF : 1034.9/52

diff_bpm0l06Y_rms vs Slug



Right In: 1177.447+/-0.287 χ^2/NDF : 7596930.6/24

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

Right Out: 1145.490+/-0.251 χ^2/NDF : 7039959.6/29

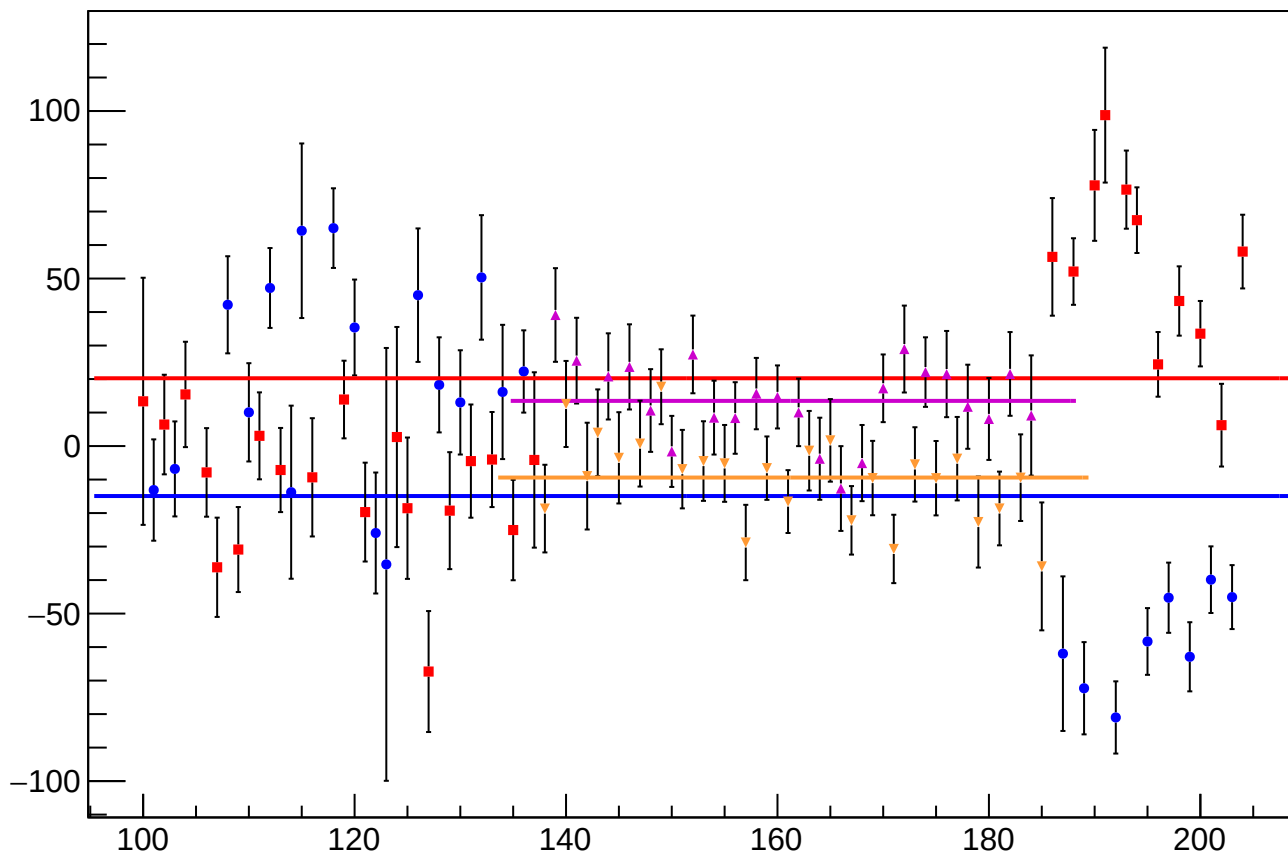
Left In: 1184.966+/-0.206 χ^2/NDF : 1190431.5/22

+ sign 1164.775+/-0.162 χ^2/NDF : 9010211.0/49

All: 1166.973+/-0.113 χ^2/NDF : 17255795.0/100

- sign 1169.101+/-0.159 χ^2/NDF : 8245219.5/52

diff_bpm0l07X_mean vs Slug



Right In: -14.915 ± 2.741 χ^2/NDF : 279.3/24

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

Right Out: 20.236 ± 2.501 χ^2/NDF : 209.0/29

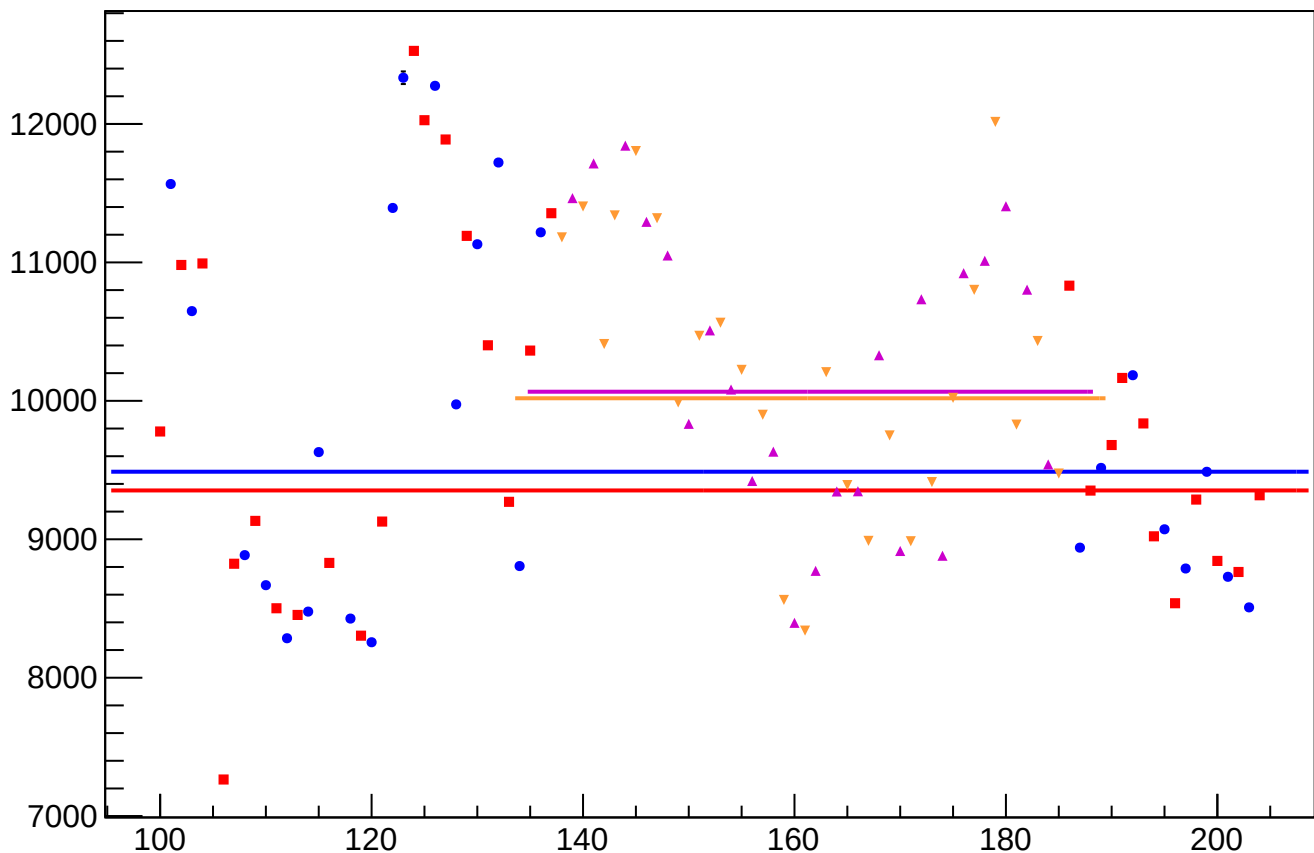
Left In: 13.485 ± 2.443 χ^2/NDF : 21.6/22

+ sign -11.745 ± 1.788 χ^2/NDF : 307.9/49

All: 2.843 ± 1.250 χ^2/NDF : 672.5/102

- sign 16.781 ± 1.747 χ^2/NDF : 234.3/52

diff_bpm0l07X_rms vs Slug



Right In: 9488.053+/-1.938 χ^2/NDF : 330593.3/24

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

Right Out: 9352.767+/-1.768 χ^2/NDF : 325895.8/29

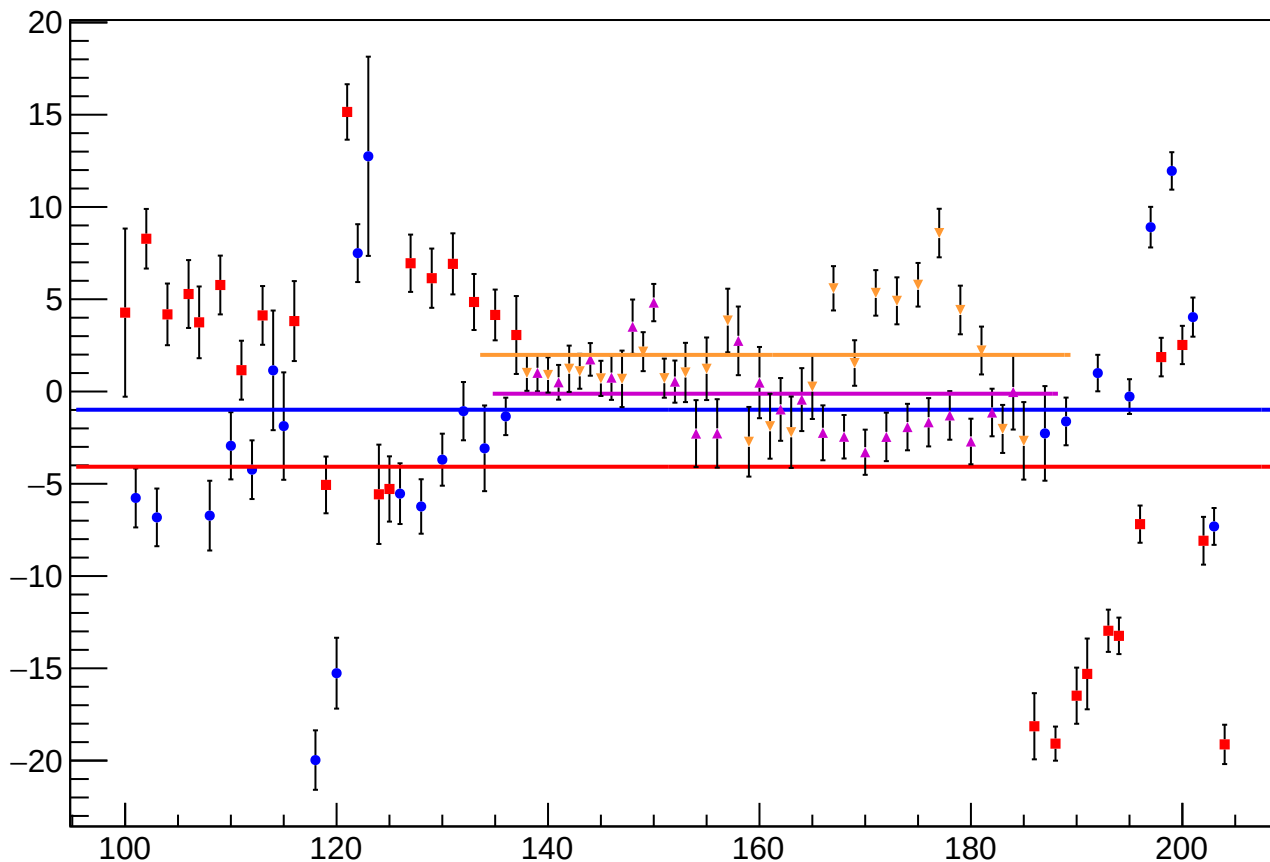
Left In: 10065.909+/-1.727 χ^2/NDF : 357868.9/22

+ sign 9792.866+/-1.264 χ^2/NDF : 718178.9/49

All: 9754.431+/-0.884 χ^2/NDF : 1486976.9/10

- sign 9717.706+/-1.236 χ^2/NDF : 766990.2/52

diff_bpm0l07Y_mean vs Slug



Right In: -0.987 ± 0.282 χ^2/NDF : 603.9/24

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

Right Out: -4.076 ± 0.261 χ^2/NDF : 1462.2/29

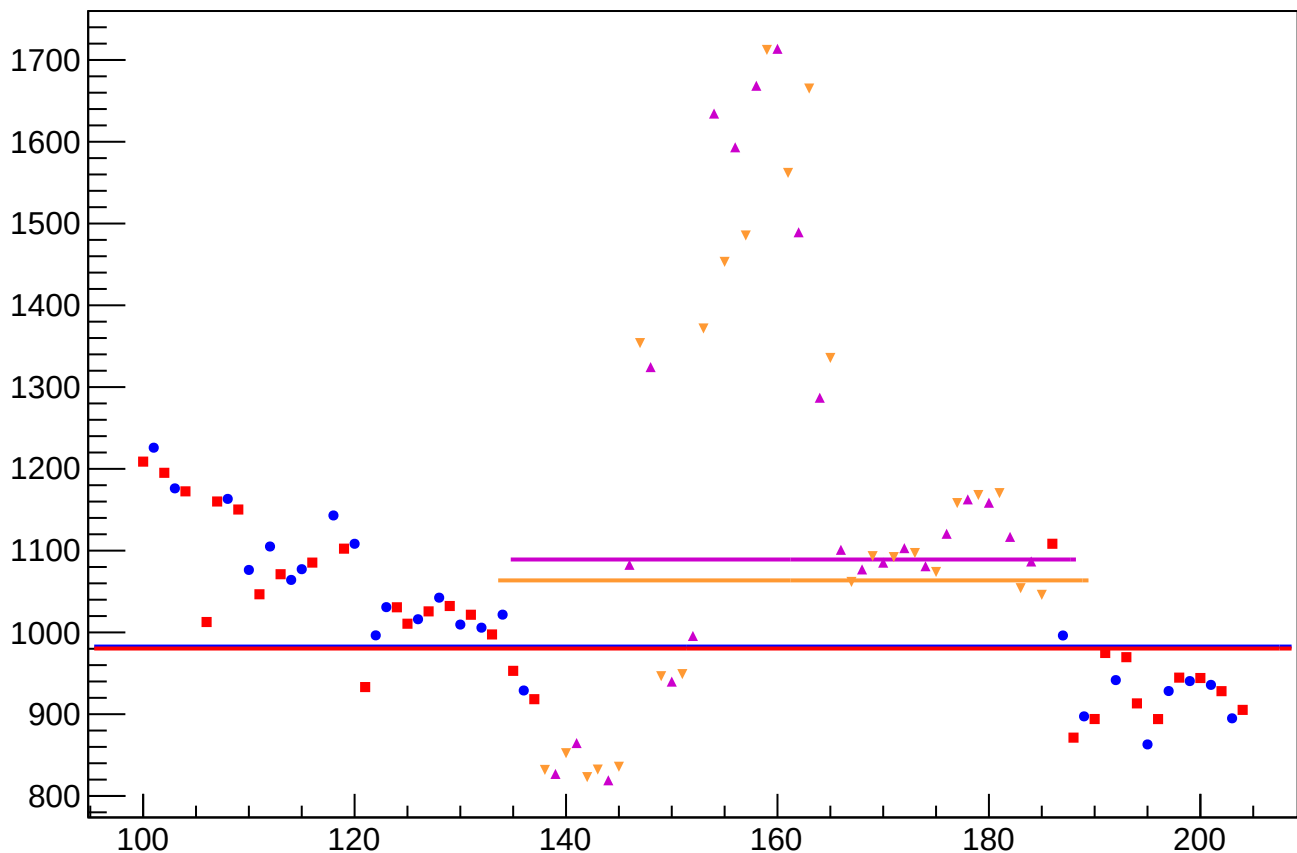
Left In: -0.120 ± 0.269 χ^2/NDF : 67.6/22

+ sign 0.649 ± 0.189 χ^2/NDF : 766.3/49

All: -0.768 ± 0.133 χ^2/NDF : 2519.0/102

- sign -2.156 ± 0.187 χ^2/NDF : 1641.4/52

diff_bpm0l07Y_rms vs Slug



Right In: 982.697 $\pm$ 0.199 χ^2 /NDF: 228078.3/24

Left Out: 1063.600 $\pm$ 0.180 χ^2 /NDF:1617376.3/24

Right Out: 980.296 $\pm$ 0.184 χ^2 /NDF: 232158.9/29

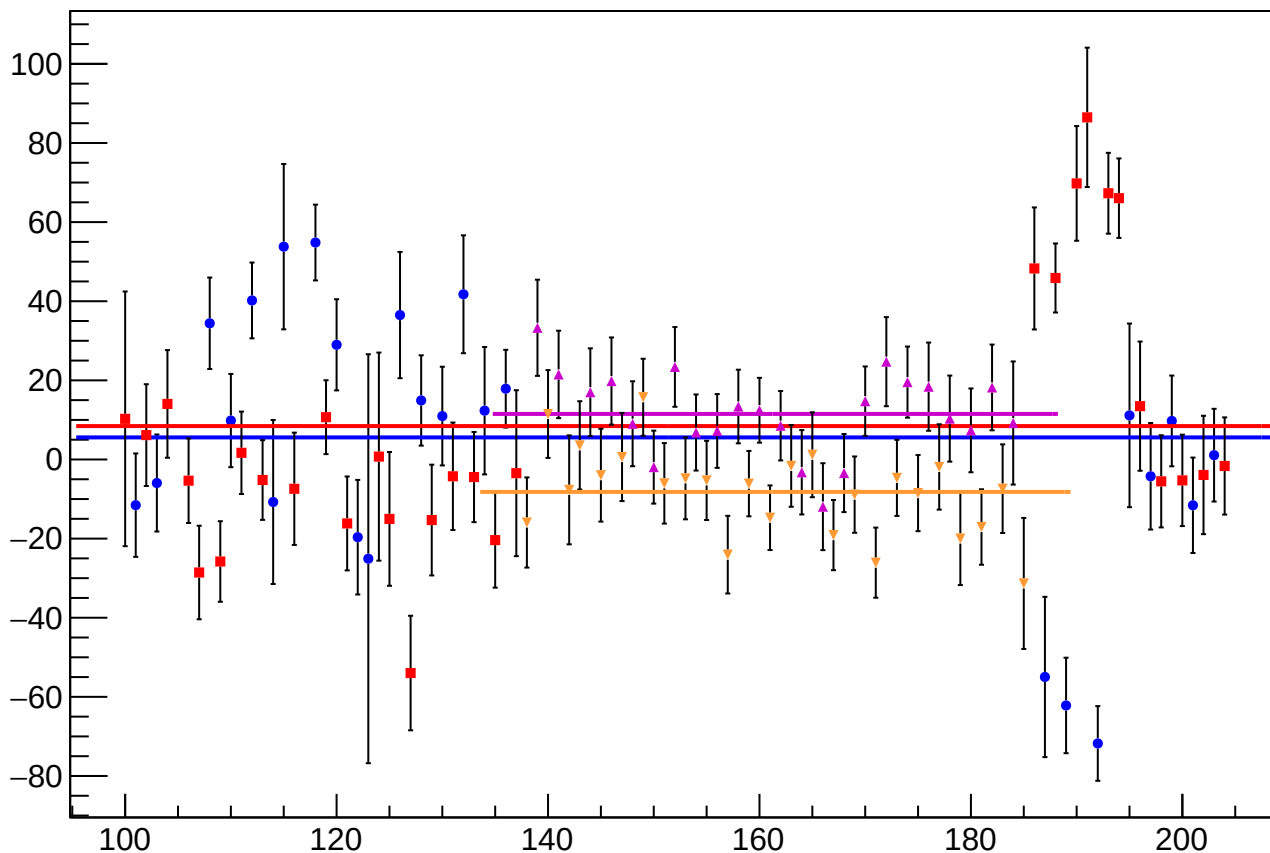
Left In: 1089.154 $\pm$ 0.190 χ^2 /NDF:1430478.5/22

+ sign 1027.243 $\pm$ 0.134 χ^2 /NDF: 1936059.4/49

All: 1030.205 $\pm$ 0.094 χ^2 /NDF: 3768687.9/10

- sign 1033.107 $\pm$ 0.132 χ^2 /NDF: 1831656.9/52

diff_bpm0l08X_mean vs Slug



Right In: 5.578 ± 2.559 χ^2/NDF : 184.7/24

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

Right Out: 8.441 ± 2.281 χ^2/NDF : 195.5/29

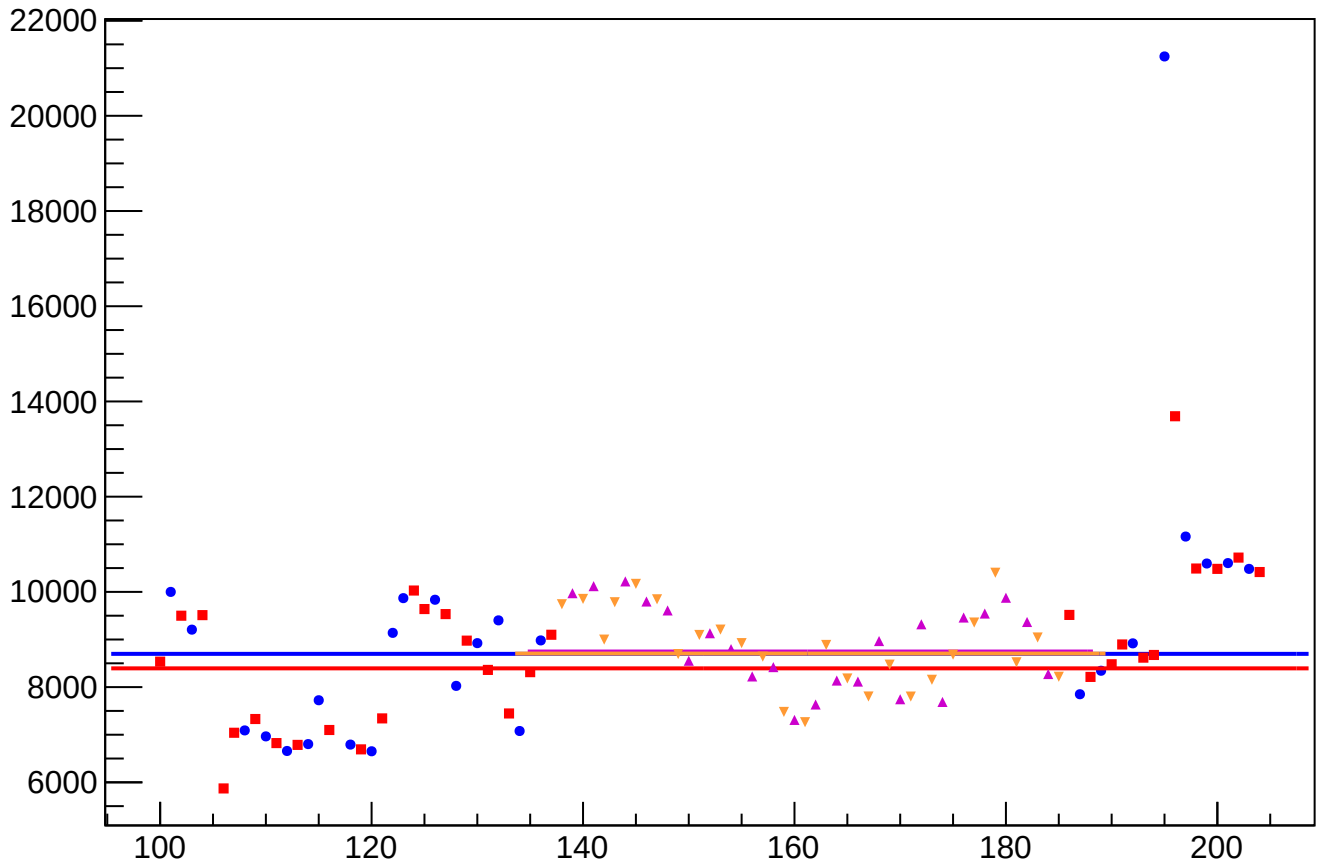
Left In: 11.515 ± 2.122 χ^2/NDF : 21.0/22

+ sign -2.816 ± 1.599 χ^2/NDF : 228.5/49

All: 3.823 ± 1.114 χ^2/NDF : 479.5/102

- sign 10.089 ± 1.554 χ^2/NDF : 217.5/52

diff_bpm0l08X_rms vs Slug



Right In: 8698.470+/-1.810 χ^2/NDF : 1215125.3/24

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

Right Out: 8393.815+/-1.613 χ^2/NDF : 892154.7/29

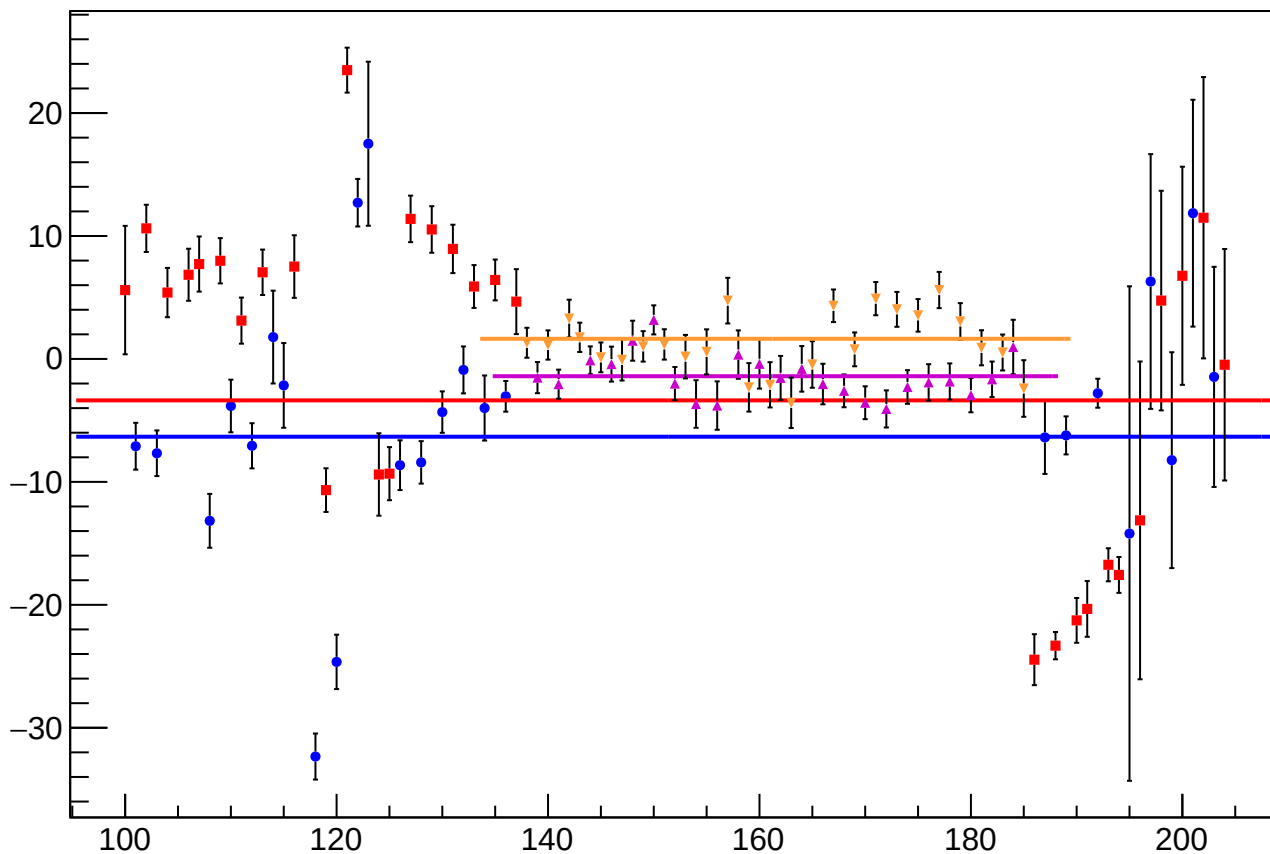
Left In: 8747.415+/-1.501 χ^2/NDF : 347110.4/22

+ sign 8701.958+/-1.131 χ^2/NDF : 1547495.6/49

All: 8640.928+/-0.788 χ^2/NDF : 2818183.3/10

- sign 8583.330+/-1.099 χ^2/NDF : 1265027.0/52

diff_bpm0l08Y_mean vs Slug



Right In: -6.326 ± 0.426 $\chi^2/\text{NDF}: 424.2/24$

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

Right Out: -3.371 ± 0.373 $\chi^2/\text{NDF}: 1470.4/29$

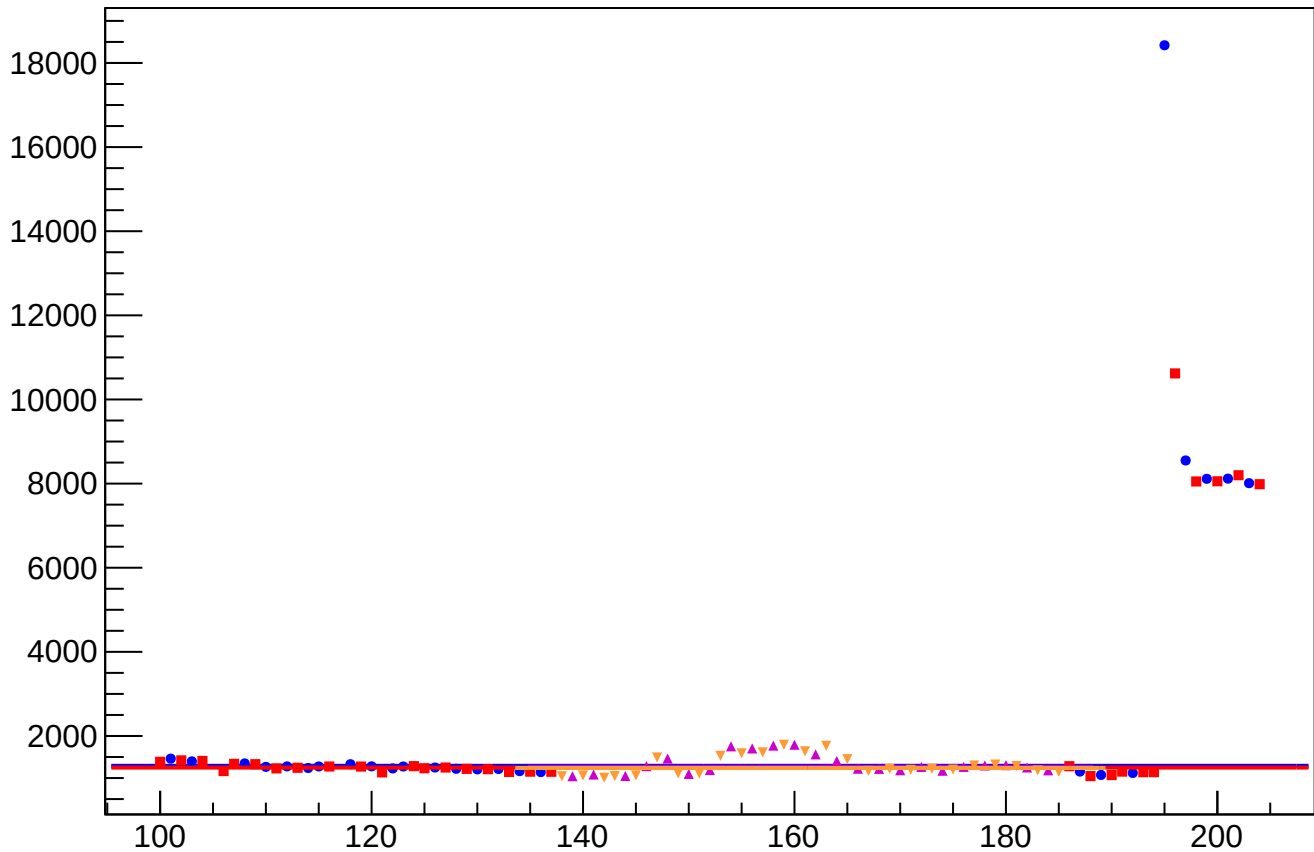
Left In: -1.404 ± 0.309 $\chi^2/\text{NDF}: 34.1/22$

+ sign -0.928 ± 0.242 $\chi^2/\text{NDF}: 712.7/49$

All: -1.576 ± 0.170 $\chi^2/\text{NDF}: 2247.9/102$

- sign -2.205 ± 0.238 $\chi^2/\text{NDF}: 1521.0/52$

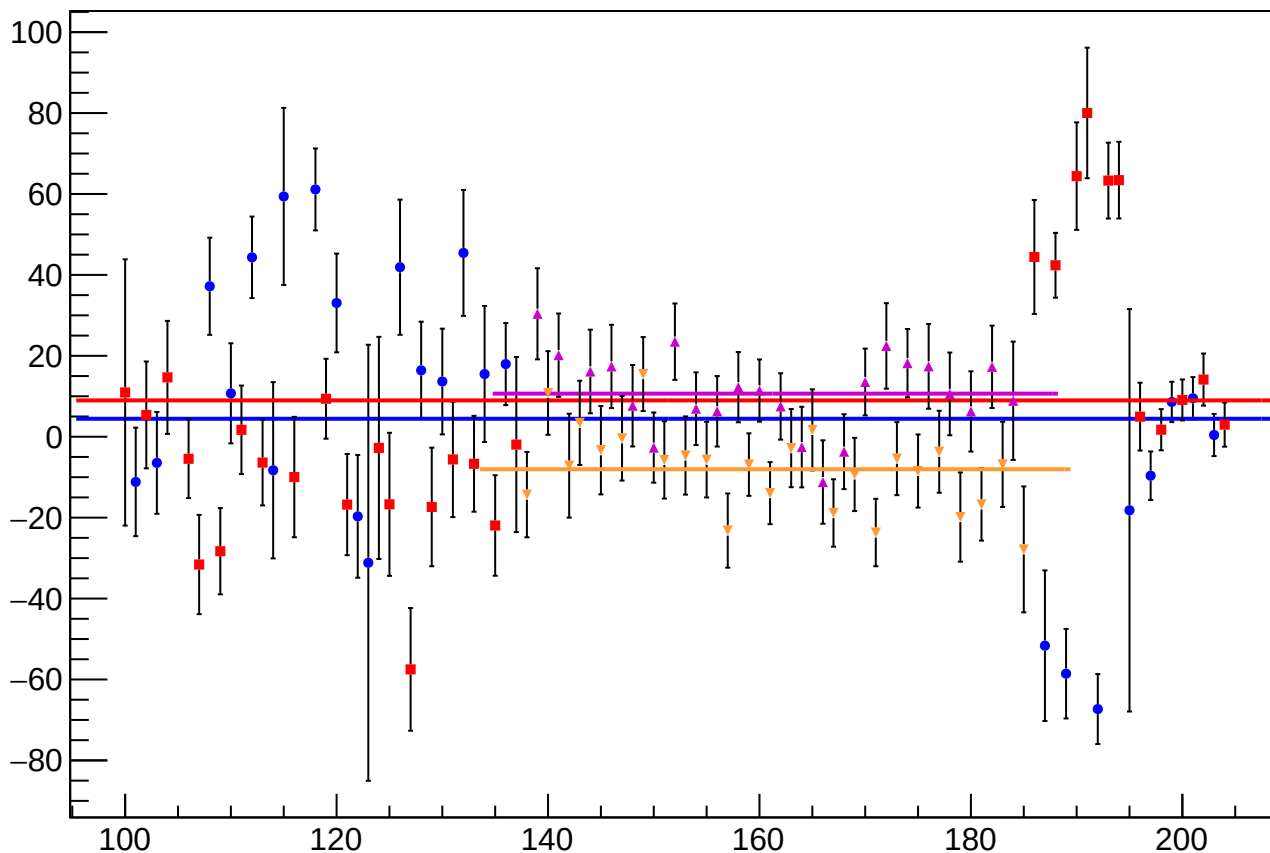
diff_bpm0l08Y_rms vs Slug



Right In: 1291.242 $\pm$ 0.301 χ^2 /NDF: 6021413.4/24
 Left Out: 1238.437 $\pm$ 0.208 χ^2 /NDF: 965173.0/24
 Right Out: 1248.519 $\pm$ 0.264 χ^2 /NDF: 5331720.7/29
 Left In: 1265.673 $\pm$ 0.218 χ^2 /NDF: 845157.0/22

+ sign 1255.456 $\pm$ 0.171 χ^2 /NDF: 7007436.4/49
 All: 1257.099 $\pm$ 0.120 χ^2 /NDF: 13187005.6/100
 - sign 1258.690 $\pm$ 0.168 χ^2 /NDF: 6179387.3/52

diff_bpm0l09X_mean vs Slug



Right In: 4.442 ± 1.958 $\chi^2/\text{NDF}: 206.0/24$

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

Right Out: 8.981 ± 1.788 $\chi^2/\text{NDF}: 199.3/29$

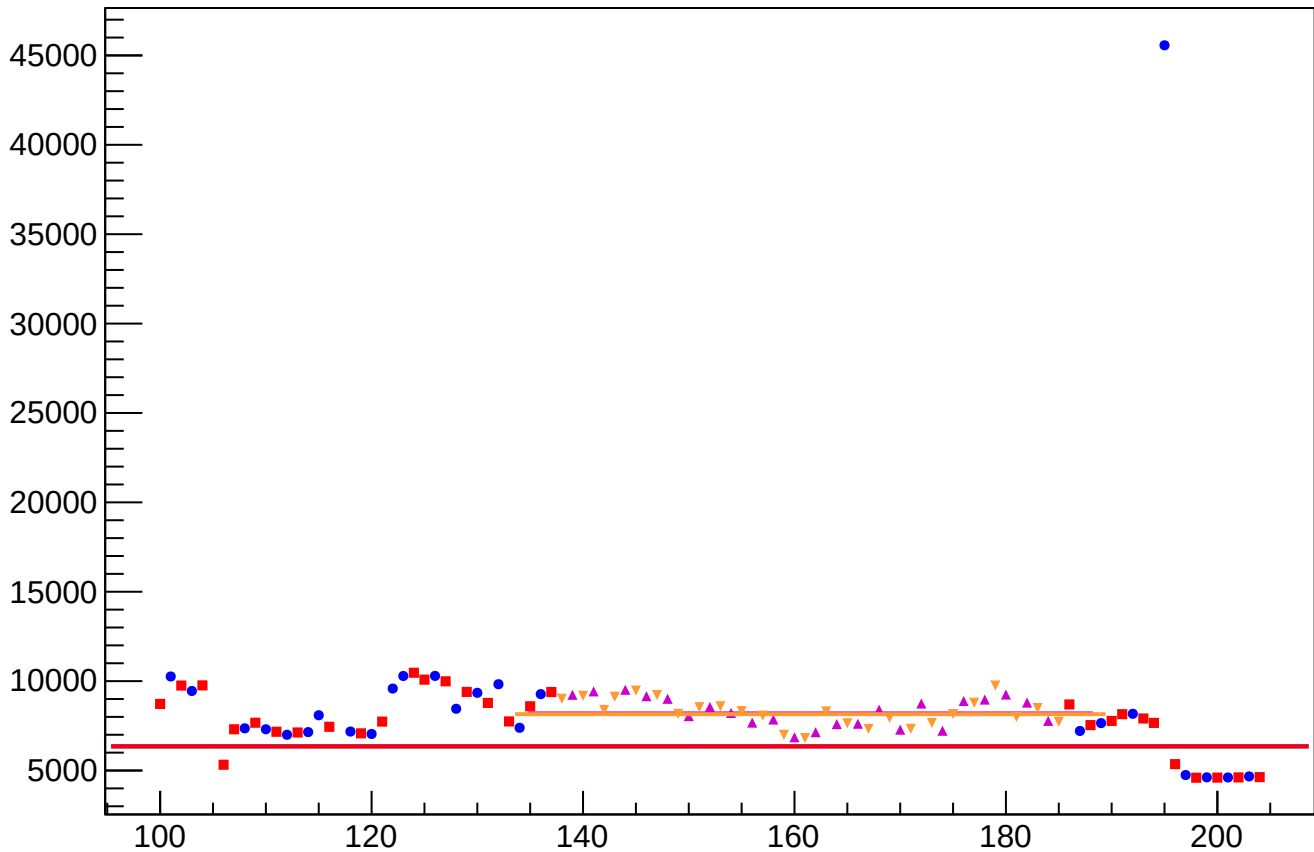
Left In: 10.653 ± 1.988 $\chi^2/\text{NDF}: 21.4/22$

+ sign -1.929 ± 1.370 $\chi^2/\text{NDF}: 253.0/49$

All: 4.077 ± 0.954 $\chi^2/\text{NDF}: 511.4/102$

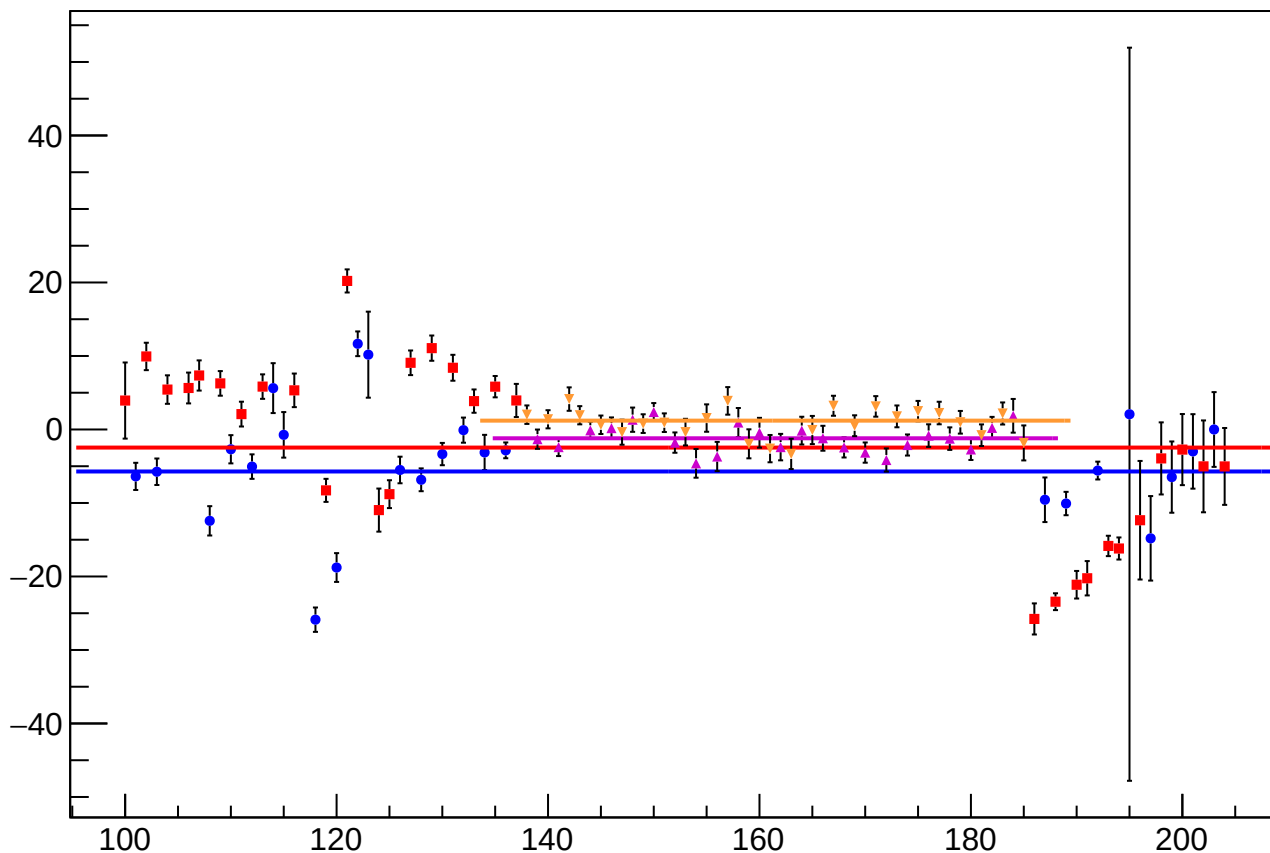
- sign 9.728 ± 1.329 $\chi^2/\text{NDF}: 221.1/52$

diff_bpm0l09X_rms vs Slug



Right In: 6352.313 $\pm$ 1.385 χ^2 /NDF: 3192420.8/24 + sign 7270.547 $\pm$ 0.969 χ^2 /NDF: 4375782.5/49
 Left Out: 8151.489 $\pm$ 1.356 χ^2 /NDF: 321803.3/24 All: 7220.583 $\pm$ 0.675 χ^2 /NDF: 7685326.7/10
 Right Out: 6348.497 $\pm$ 1.264 χ^2 /NDF: 2013124.5/29 - sign 7173.579 $\pm$ 0.940 χ^2 /NDF: 3304384.0/52
 Left In: 8193.636 $\pm$ 1.405 χ^2 /NDF: 338377.6/22

diff_bpm0l09Y_mean vs Slug



Right In: -5.714 ± 0.391 χ^2/NDF : 369.9/24

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

Right Out: -2.462 ± 0.350 χ^2/NDF : 1408.5/29

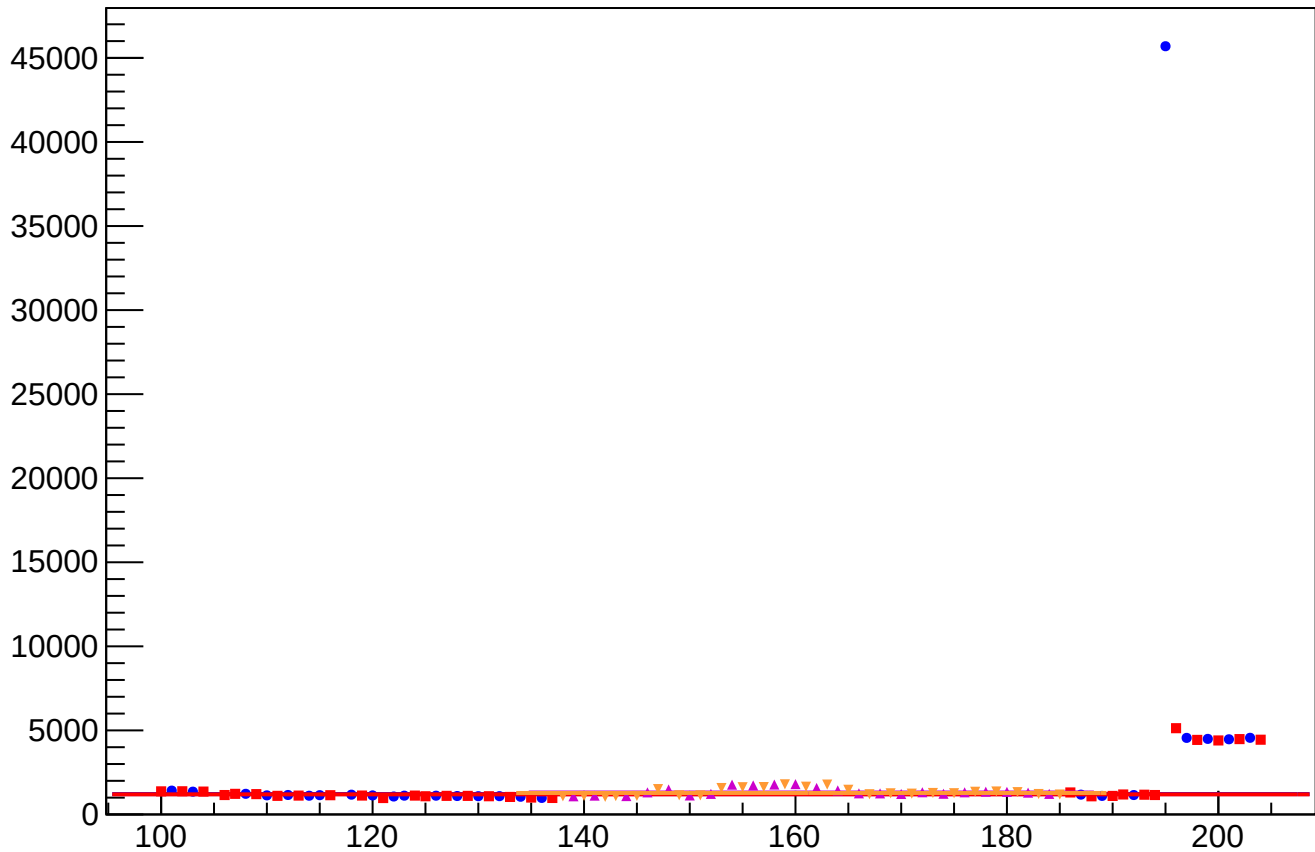
Left In: -1.198 ± 0.318 χ^2/NDF : 31.2/22

+ sign -1.390 ± 0.239 χ^2/NDF : 596.0/49

All: -1.583 ± 0.168 χ^2/NDF : 2044.1/102

- sign -1.770 ± 0.235 χ^2/NDF : 1446.9/52

diff_bpm0l09Y_rms vs Slug



Right In: 1211.311+/-0.276 χ^2/NDF : 5097321.4/24

Left Out: 1277.916+/-0.214 χ^2/NDF : 878127.9/24

Right Out: 1196.170+/-0.247 χ^2/NDF : 3775374.1/29

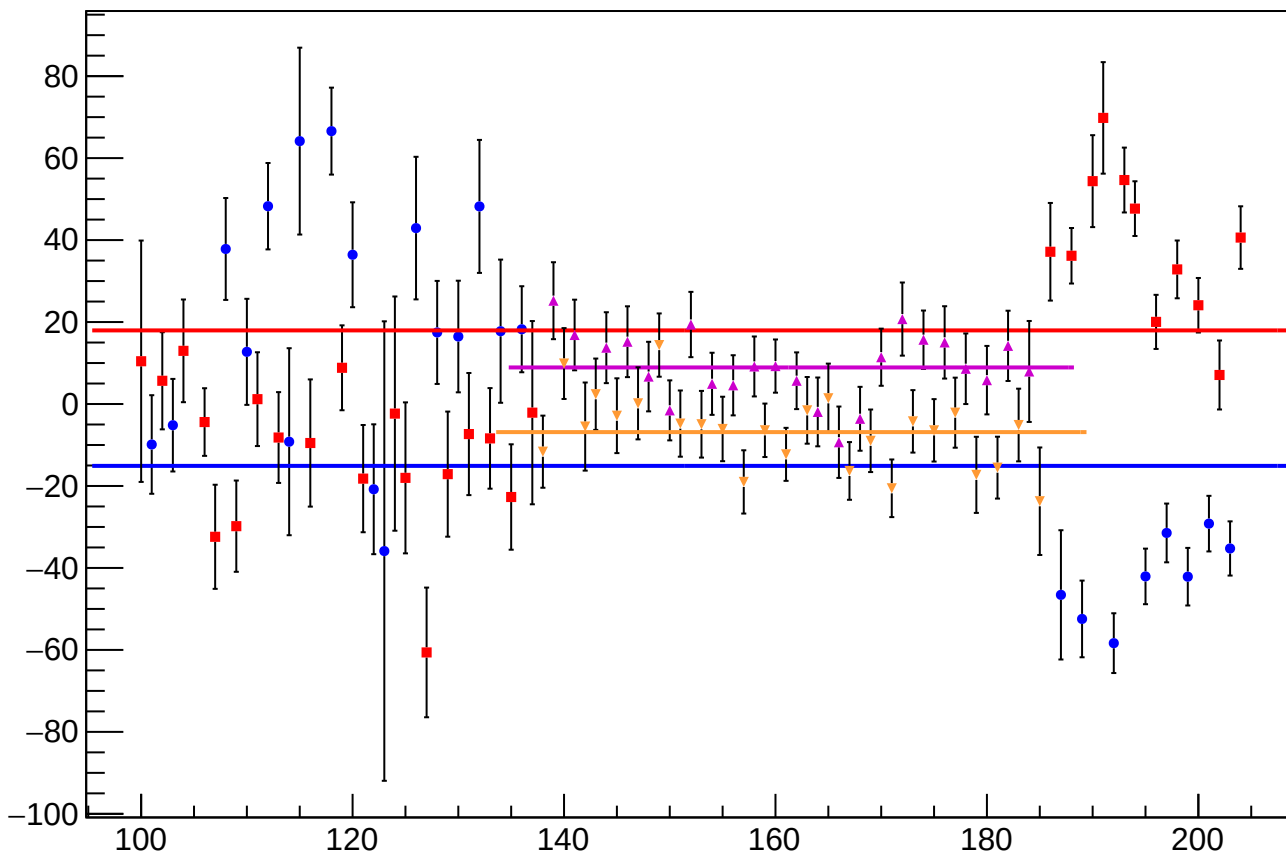
Left In: 1305.541+/-0.225 χ^2/NDF : 760450.8/22

+ sign 1252.948+/-0.169 χ^2/NDF : 6011810.4/49

All: 1254.493+/-0.119 χ^2/NDF : 10654885.4/100

- sign 1255.989+/-0.166 χ^2/NDF : 4642910.7/52

diff_bpm0l10X_mean vs Slug



Right In: -15.095 ± 2.081 χ^2/NDF : 304.3/24

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

Right Out: 17.961 ± 1.864 χ^2/NDF : 206.7/29

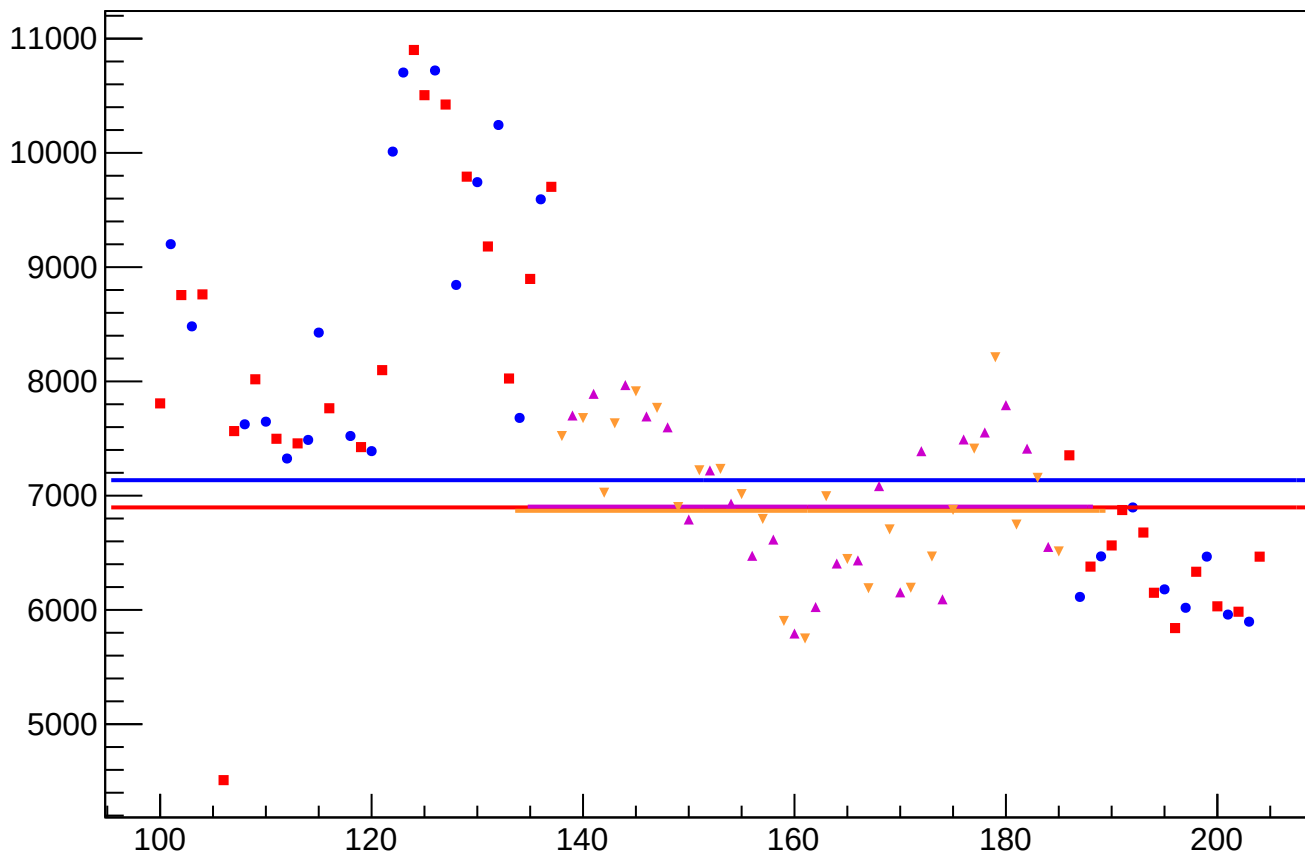
Left In: 8.923 ± 1.674 χ^2/NDF : 21.8/22

+ sign -9.952 ± 1.276 χ^2/NDF : 342.8/49

All: 1.782 ± 0.891 χ^2/NDF : 749.3/102

- sign 12.959 ± 1.246 χ^2/NDF : 241.5/52

diff_bpm0l10X_rms vs Slug



Right In: 7135.460+/-1.472 χ^2/NDF : 816316.7/24

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

Right Out: 6897.160+/-1.318 χ^2/NDF : 929114.7/29

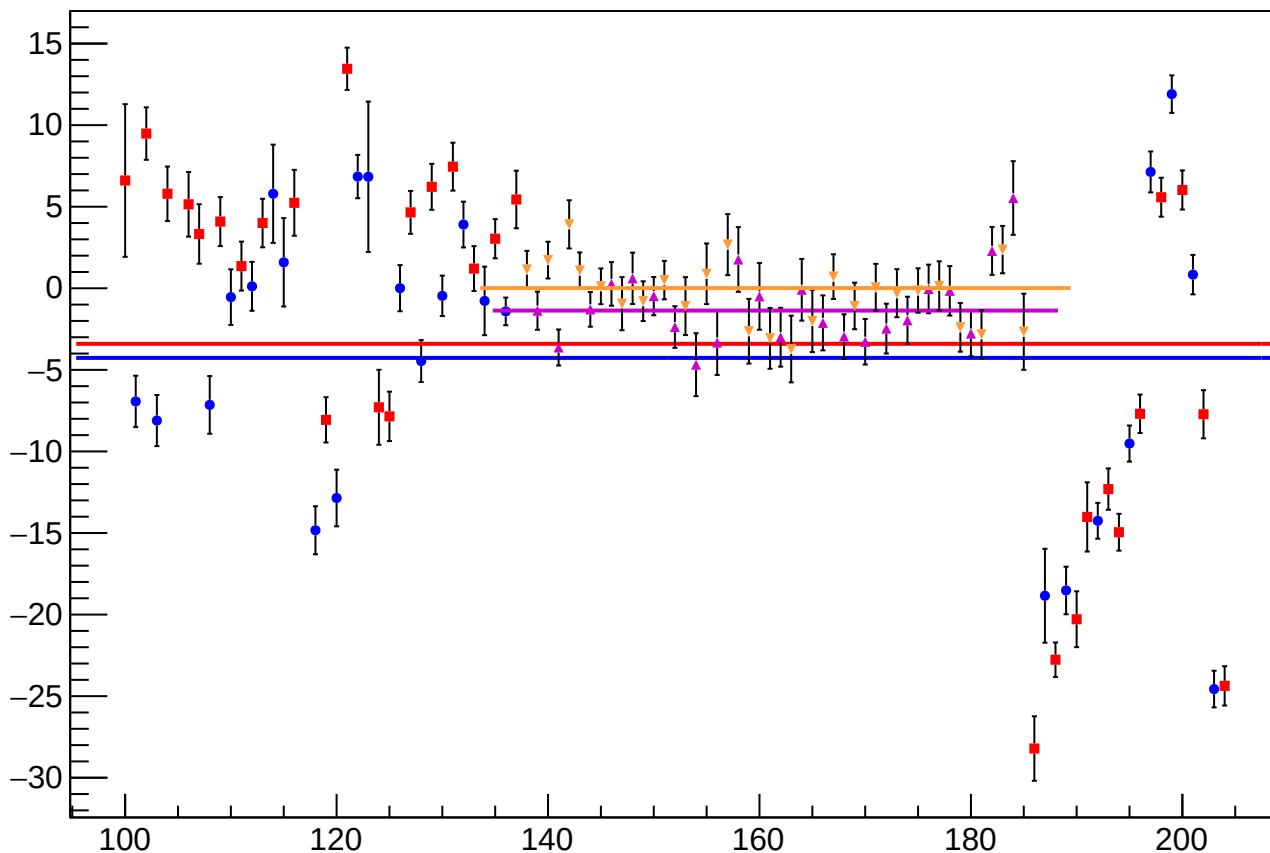
Left In: 6904.117+/-1.184 χ^2/NDF : 325912.6/22

+ sign 6968.156+/-0.902 χ^2/NDF : 1143916.4/49

All: 6933.766+/-0.630 χ^2/NDF : 2401794.6/100

- sign 6901.010+/-0.881 χ^2/NDF : 1255042.8/52

diff_bpm0l10Y_mean vs Slug



Right In: -4.267 ± 0.282 $\chi^2/\text{NDF}: 1110.1/24$

Left Out: 0.014 ± 0.290 $\chi^2/\text{NDF}: 35.0/24$

Right Out: -3.404 ± 0.266 $\chi^2/\text{NDF}: 1820.3/29$

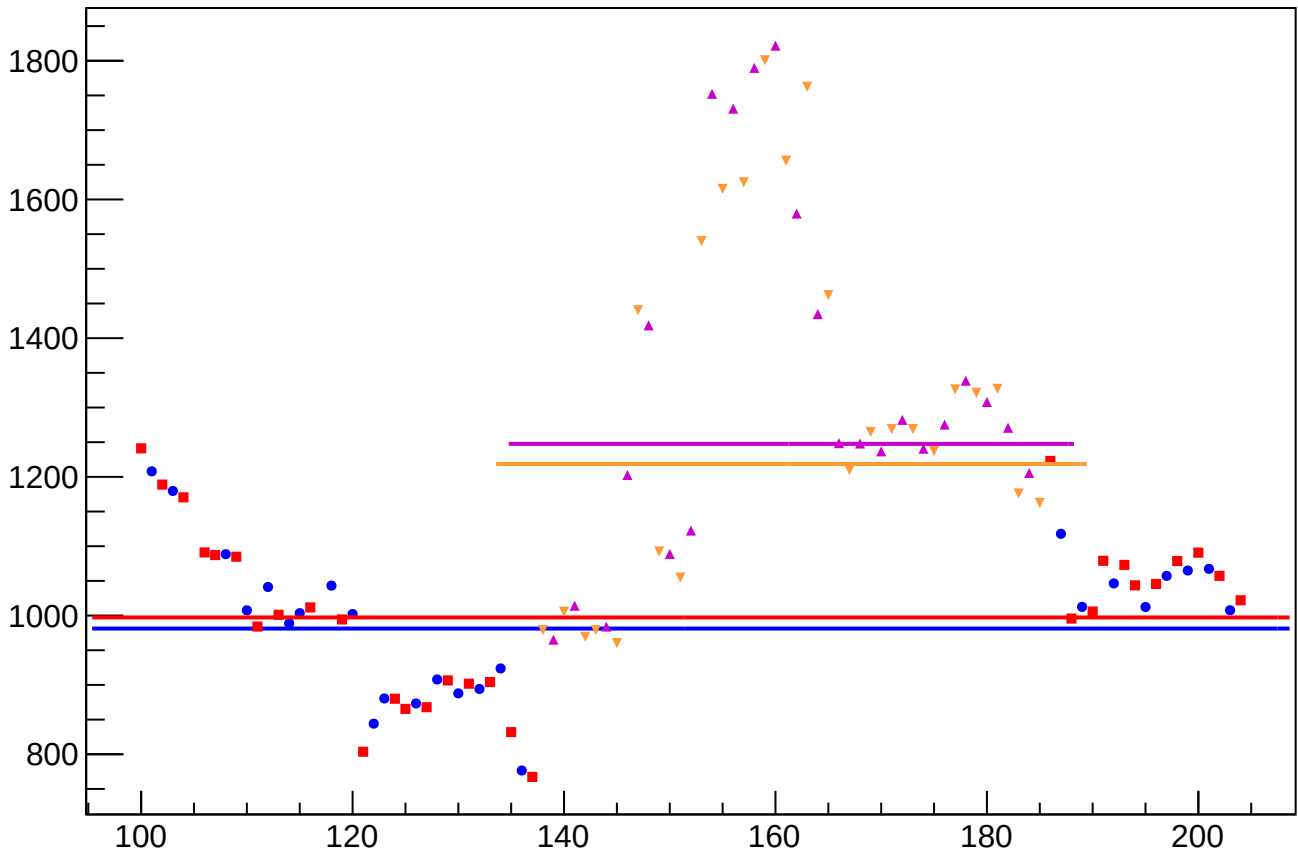
Left In: -1.365 ± 0.306 $\chi^2/\text{NDF}: 38.5/22$

+ sign -2.185 ± 0.202 $\chi^2/\text{NDF}: 1257.0/49$

All: -2.357 ± 0.142 $\chi^2/\text{NDF}: 3142.6/102$

- sign -2.526 ± 0.201 $\chi^2/\text{NDF}: 1884.1/52$

diff_bpm0l10Y_rms vs Slug



Right In: 981.266 $\pm$ 0.199 χ^2 /NDF: 309455.4/24

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

Right Out: 997.278 $\pm$ 0.188 χ^2 /NDF: 322773.8/29

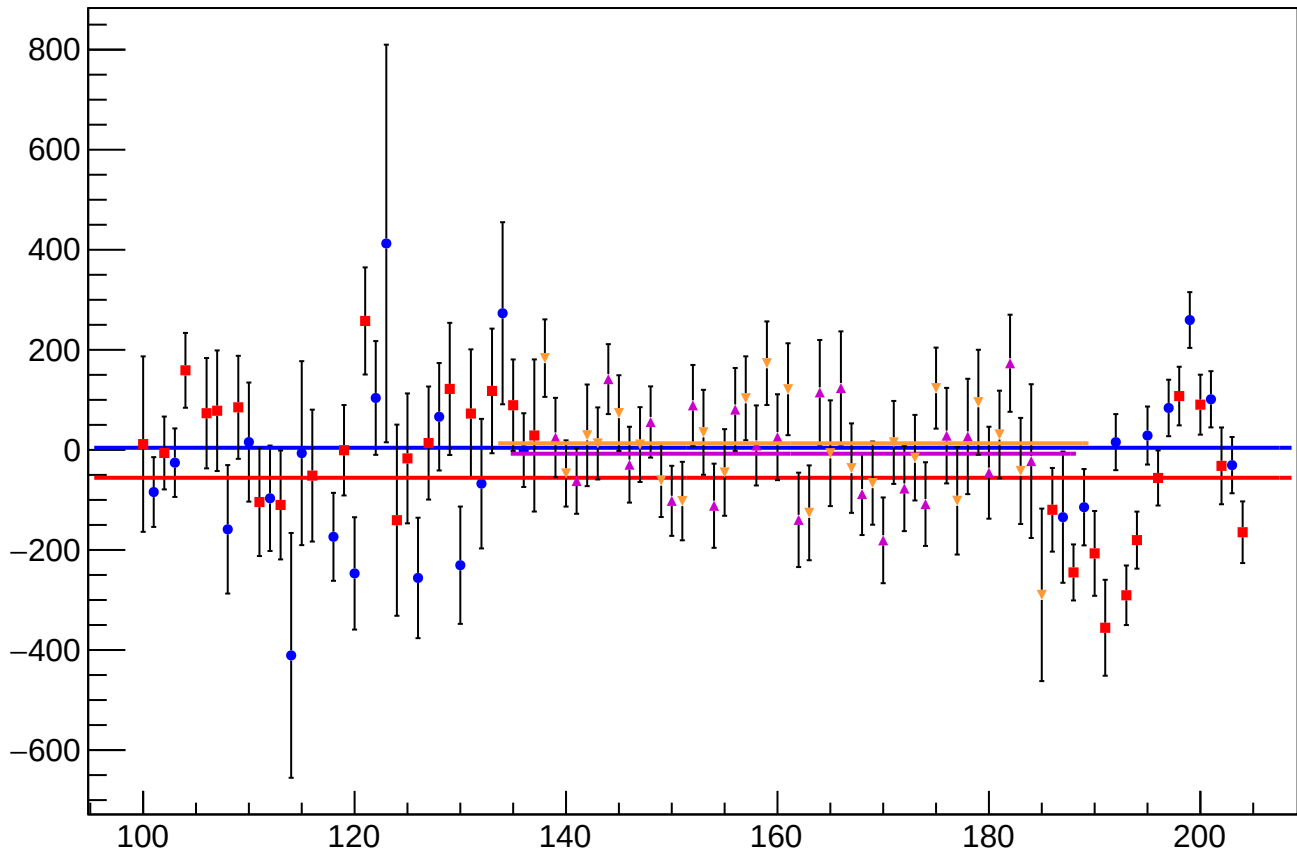
Left In: 1247.538 $\pm$ 0.216 χ^2 /NDF:1073390.3/22

+ sign 1096.667 $\pm$ 0.143 χ^2 /NDF: 2263373.3/49

All: 1100.911 $\pm$ 0.101 χ^2 /NDF: 4425251.3/10

- sign 1105.084 $\pm$ 0.142 χ^2 /NDF: 2160130.5/52

diff_bpm0r03X_mean vs Slug



Right In: 4.227 ± 16.675 χ^2/NDF : 59.8/24

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

Right Out: -55.749 ± 15.384 χ^2/NDF : 93.2/29

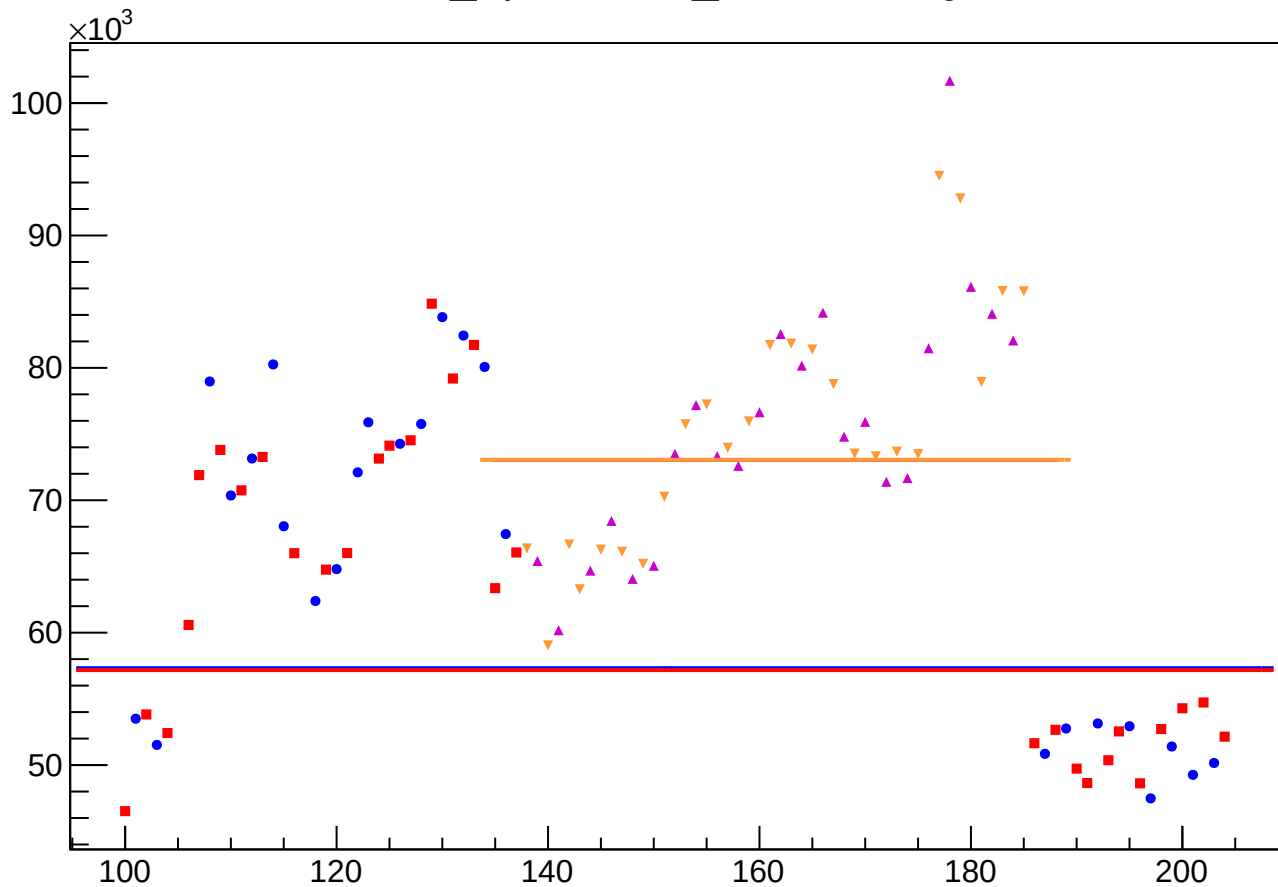
Left In: -7.618 ± 17.672 χ^2/NDF : 28.1/22

+ sign 8.592 ± 11.954 χ^2/NDF : 86.7/49

All: -13.853 ± 8.326 χ^2/NDF : 219.1/102

- sign -34.999 ± 11.603 χ^2/NDF : 125.5/52

diff_bpm0r03X_rms vs Slug



Right In: 57317.835 ± 11.791 $\chi^2/\text{NDF}: 761246.1/24$

Left Out: 73054.401 ± 12.124 $\chi^2/\text{NDF}: 473050.9/24$

Right Out: 57173.447 ± 10.878 $\chi^2/\text{NDF}: 723476.6/29$

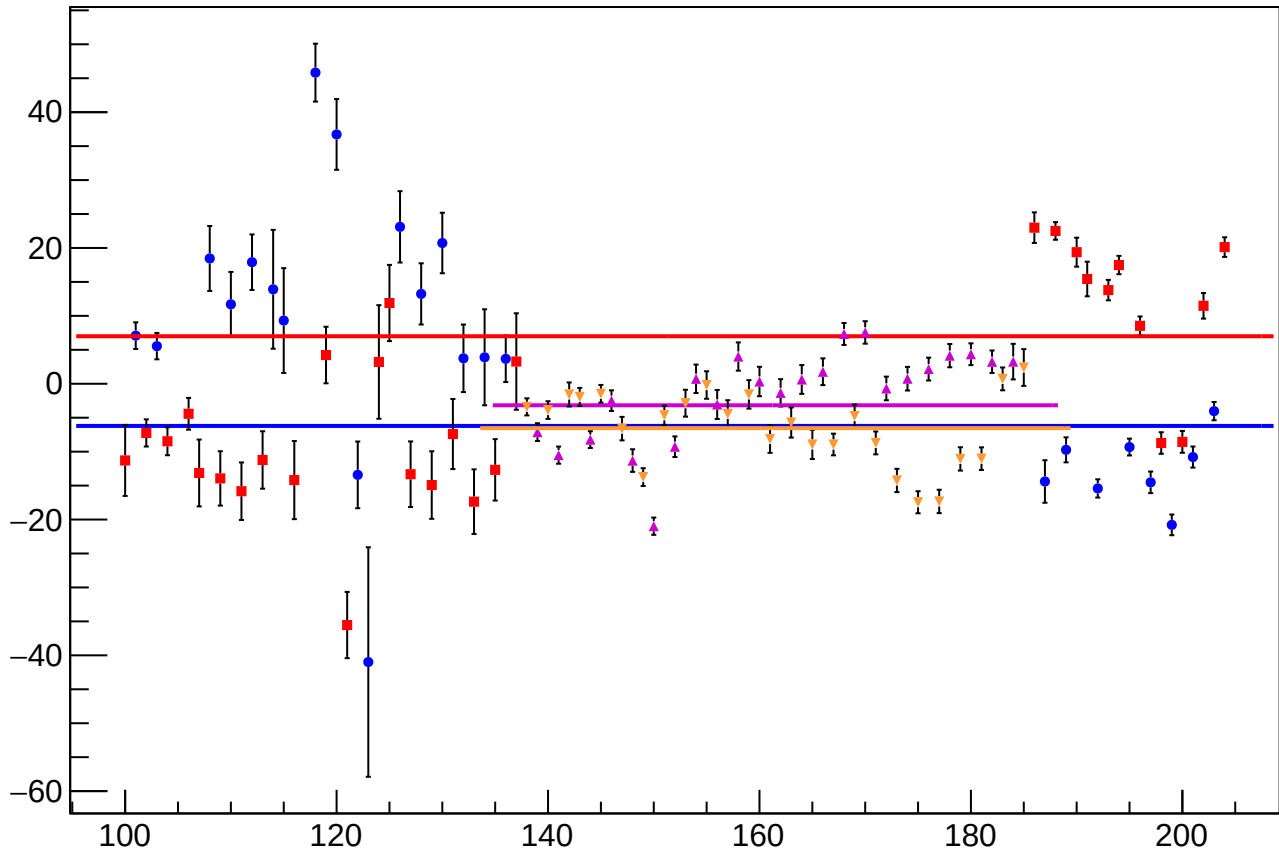
Left In: 73045.500 ± 12.496 $\chi^2/\text{NDF}: 463525.5/22$

+ sign 64966.956 ± 8.453 $\chi^2/\text{NDF}: 2100097.8/49$

All: 64477.357 ± 5.887 $\chi^2/\text{NDF}: 4211463.1/100$

- sign 64016.095 ± 8.205 $\chi^2/\text{NDF}: 2104849.8/52$

diff_bpm0r03Y_mean vs Slug



Right In: -6.209 ± 0.471 χ^2/NDF : 685.0/24

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

Right Out: 6.998 ± 0.424 χ^2/NDF : 1016.6/29

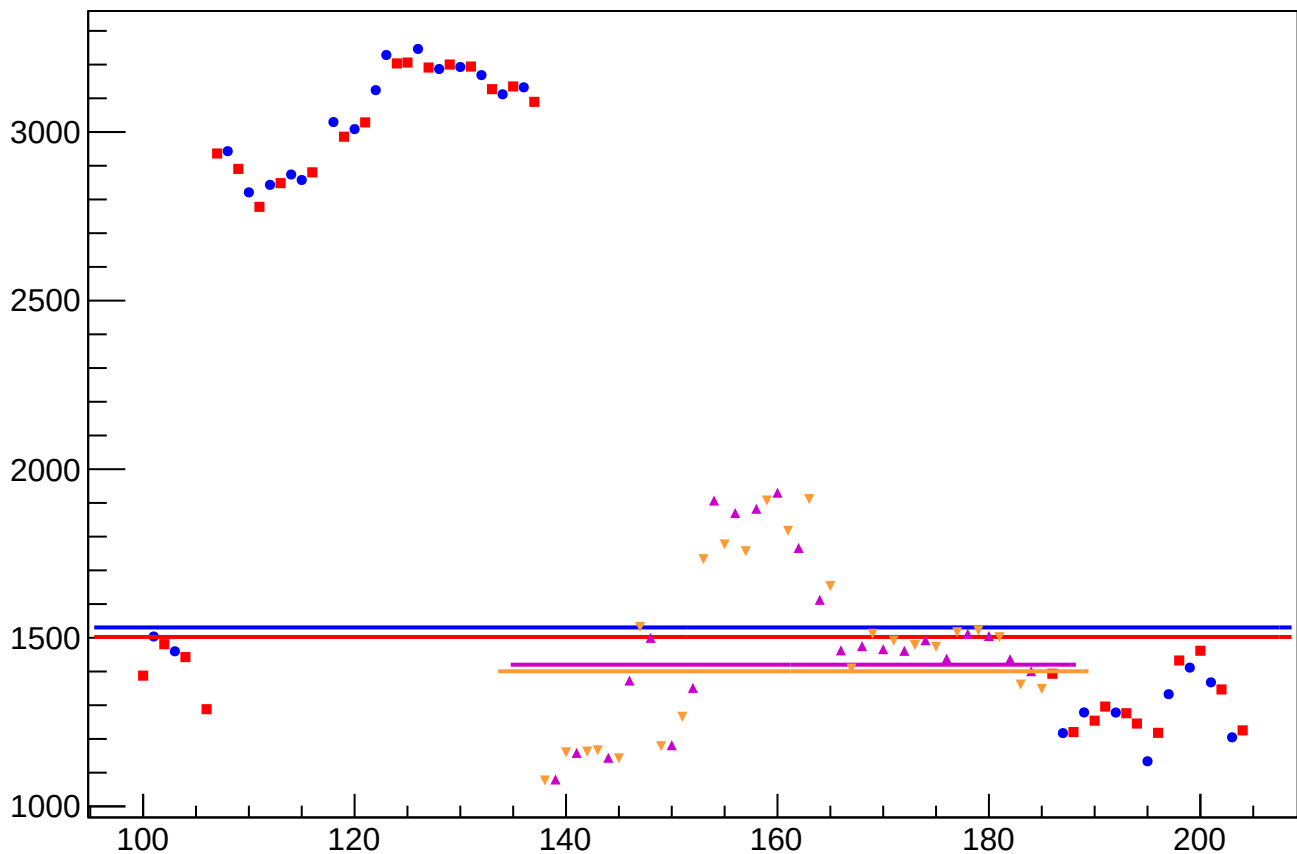
Left In: -3.171 ± 0.346 χ^2/NDF : 487.3/22

+ sign -6.428 ± 0.271 χ^2/NDF : 938.1/49

All: -2.726 ± 0.191 χ^2/NDF : 3155.6/102

- sign 0.899 ± 0.268 χ^2/NDF : 1848.7/52

diff_bpm0r03Y_rms vs Slug



Right In: 1530.704 $\pm$ 0.333 χ^2 /NDF: 3307727.7/24

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

Right Out: 1502.429 $\pm$ 0.300 χ^2 /NDF: 3365944.7/29

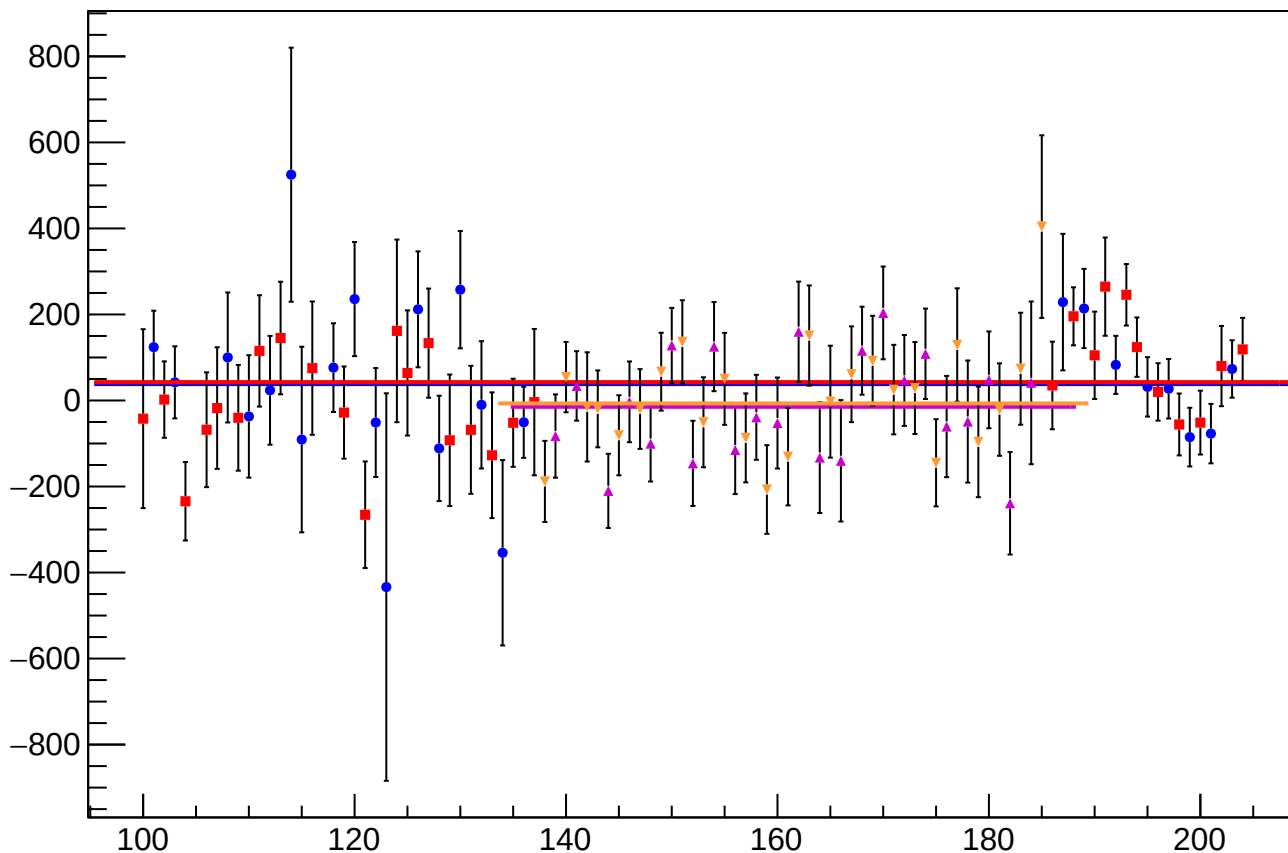
Left In: 1420.285 $\pm$ 0.245 χ^2 /NDF: 905186.2/22

+ sign 1443.835 $\pm$ 0.192 χ^2 /NDF: 4447711.7/49

All: 1448.545 $\pm$ 0.135 χ^2 /NDF: 8765029.2/10

- sign 1453.157 $\pm$ 0.190 χ^2 /NDF: 4316123.2/52

diff_bpm0r05X_mean vs Slug



Right In: 38.086 ± 19.917 χ^2/NDF : 30.7/24

Left Out: -6.789 ± 21.213 χ^2/NDF : 24.7/24

Right Out: 42.755 ± 18.423 χ^2/NDF : 46.6/29

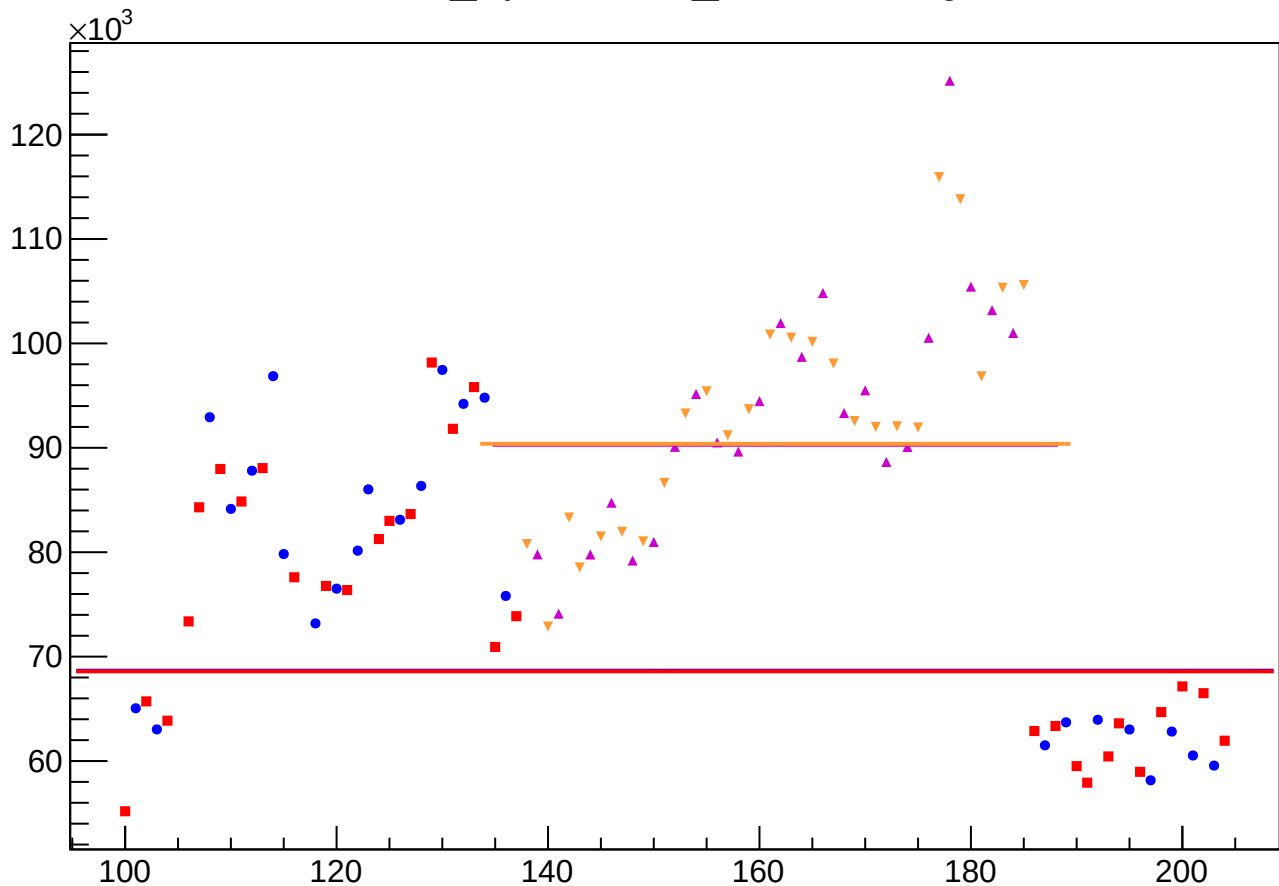
Left In: -14.611 ± 21.846 χ^2/NDF : 29.8/22

+ sign 17.061 ± 14.520 χ^2/NDF : 57.8/49

All: 18.015 ± 10.109 χ^2/NDF : 138.2/102

- sign 18.913 ± 14.084 χ^2/NDF : 80.5/52

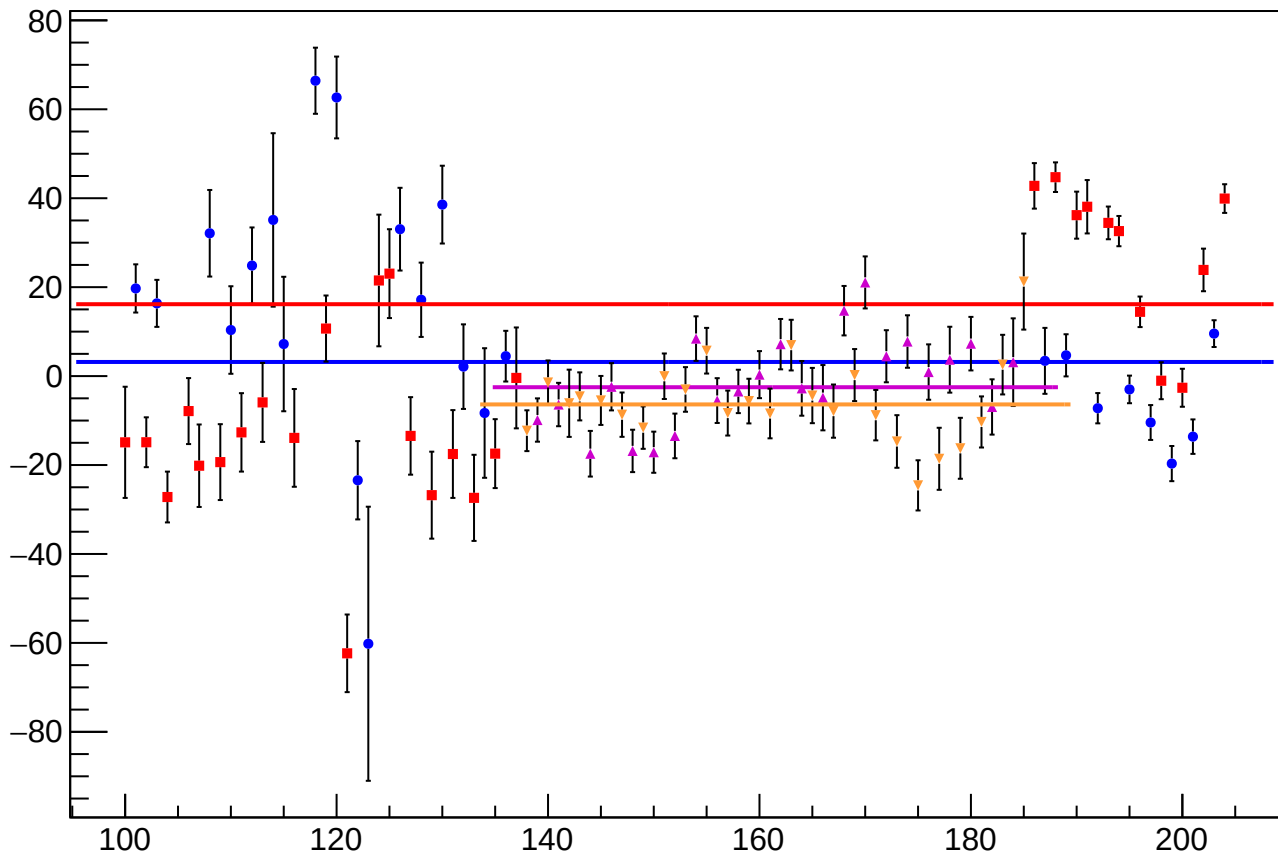
diff_bpm0r05X_rms vs Slug



Right In: 68651.997 ± 14.083 $\chi^2/\text{NDF}: 604083.9/24$
 Left Out: 90384.853 ± 15.000 $\chi^2/\text{NDF}: 461648.2/24$
 Right Out: 68589.783 ± 13.027 $\chi^2/\text{NDF}: 599699.9/29$
 Left In: 90293.591 ± 15.448 $\chi^2/\text{NDF}: 461337.5/22$

+ sign 78834.021 ± 10.267 $\chi^2/\text{NDF}: 2181440.2/49$
 All: 78203.419 ± 7.148 $\chi^2/\text{NDF}: 4403398.1/100$
 - sign 77610.132 ± 9.959 $\chi^2/\text{NDF}: 2214636.4/52$

diff_bpm0r05Y_mean vs Slug



Right In: 3.178 ± 1.118 χ^2/NDF : 273.8/24

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

Right Out: 16.167 ± 1.026 χ^2/NDF : 597.5/29

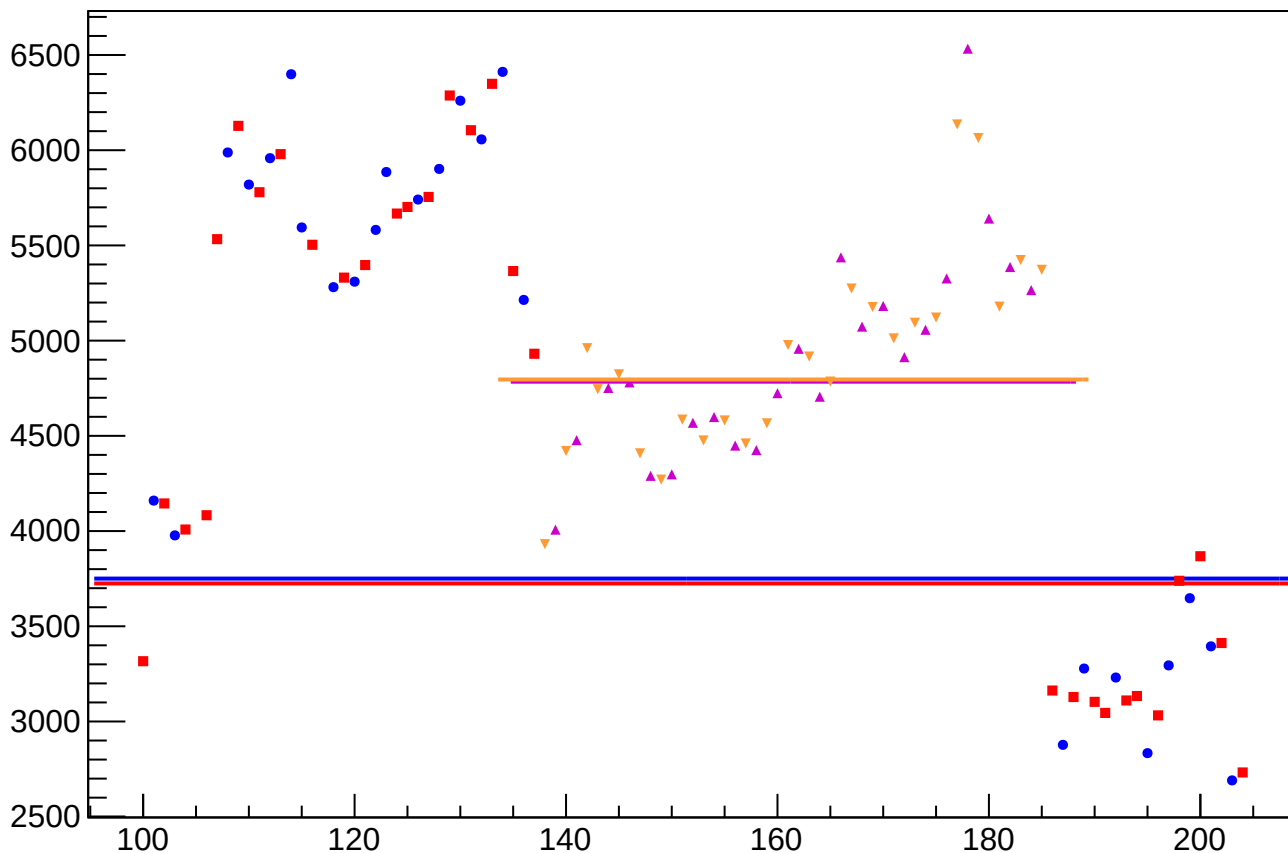
Left In: -2.501 ± 1.156 χ^2/NDF : 78.4/22

+ sign -1.573 ± 0.793 χ^2/NDF : 355.5/49

All: 3.340 ± 0.551 χ^2/NDF : 1251.7/102

- sign 7.942 ± 0.767 χ^2/NDF : 821.8/52

diff_bpm0r05Y_rms vs Slug



Right In: 3750.420+/-0.791 χ^2/NDF : 1913284.4/24

Left Out: 4795.847+/-0.795 χ^2/NDF : 361249.7/24

Right Out: 3724.894+/-0.725 χ^2/NDF : 1987460.2/29

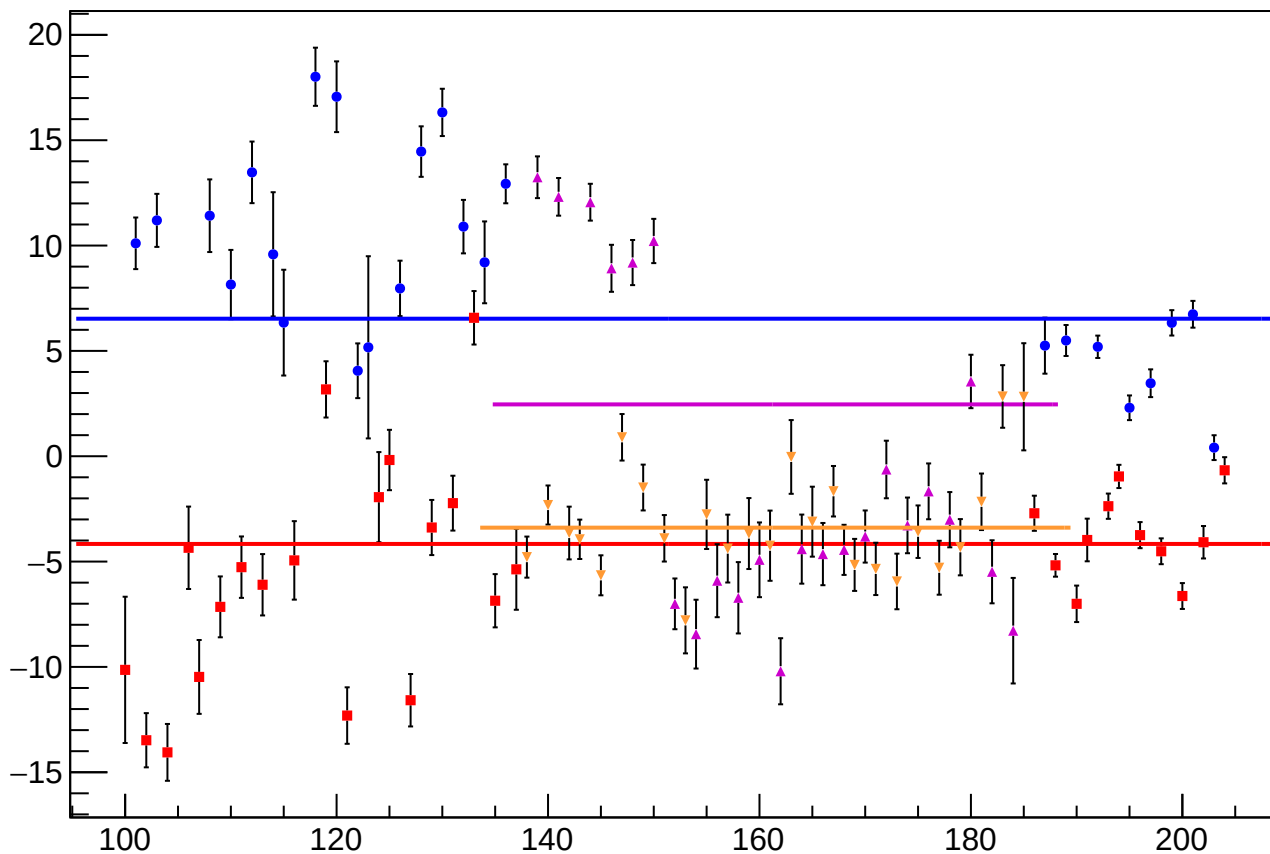
Left In: 4784.434+/-0.817 χ^2/NDF : 357507.2/22

+ sign 4270.623+/-0.561 χ^2/NDF : 3143969.2/49

All: 4229.873+/-0.390 χ^2/NDF : 6439218.3/10

- sign 4191.705+/-0.543 χ^2/NDF : 3285015.5/52

diff_bpm2i01X_mean vs Slug



Right In: 6.528 ± 0.190 χ^2/NDF : 541.2/24

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

Right Out: -4.163 ± 0.171 χ^2/NDF : 428.2/29

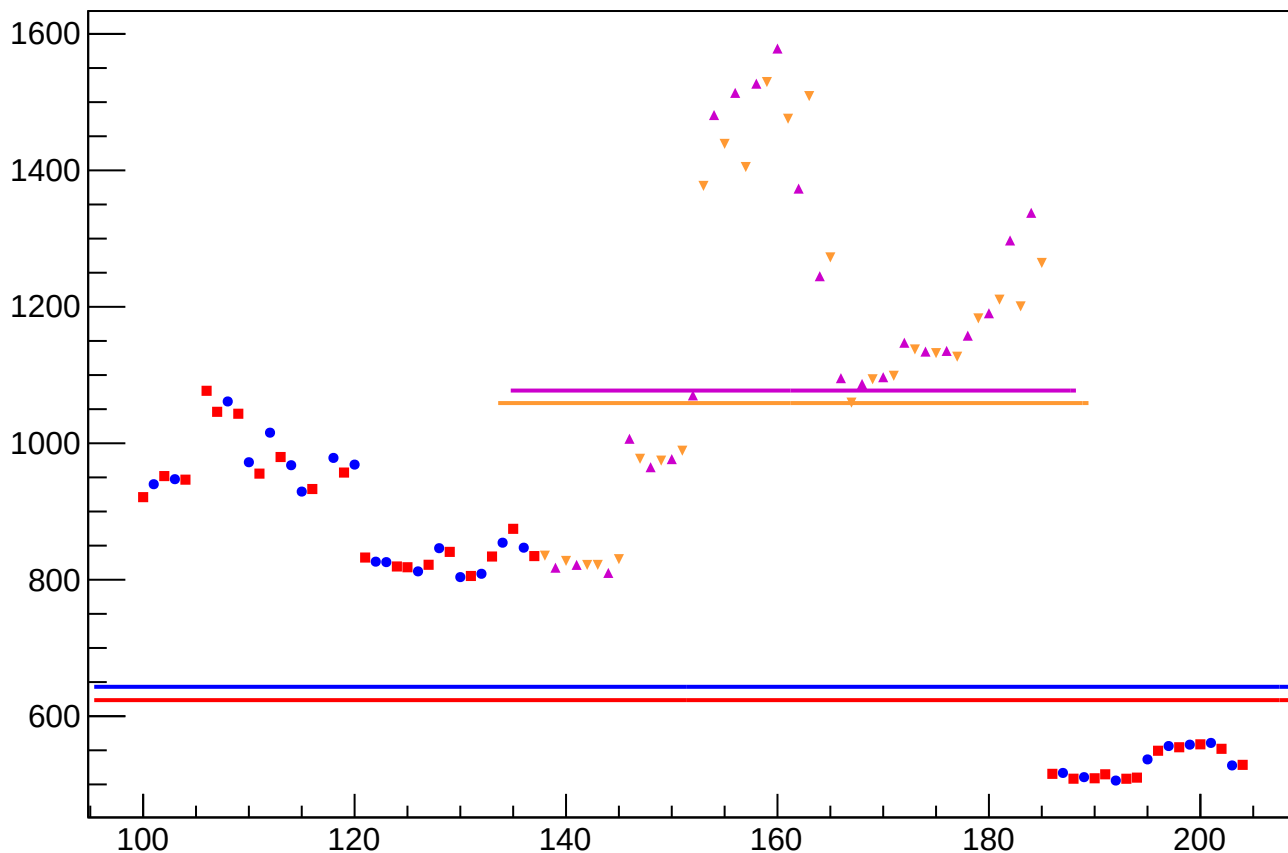
Left In: 2.461 ± 0.264 χ^2/NDF : 928.0/22

+ sign 2.937 ± 0.152 χ^2/NDF : 1605.1/49

All: 0.223 ± 0.104 χ^2/NDF : 4009.7/102

- sign -2.207 ± 0.144 χ^2/NDF : 1798.6/52

diff_bpm2i01X_rms vs Slug



Right In: 643.076 $\pm$ 0.134 χ^2 /NDF: 1602974.3/24

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

Right Out: 623.535 $\pm$ 0.121 χ^2 /NDF: 1943351.8/29

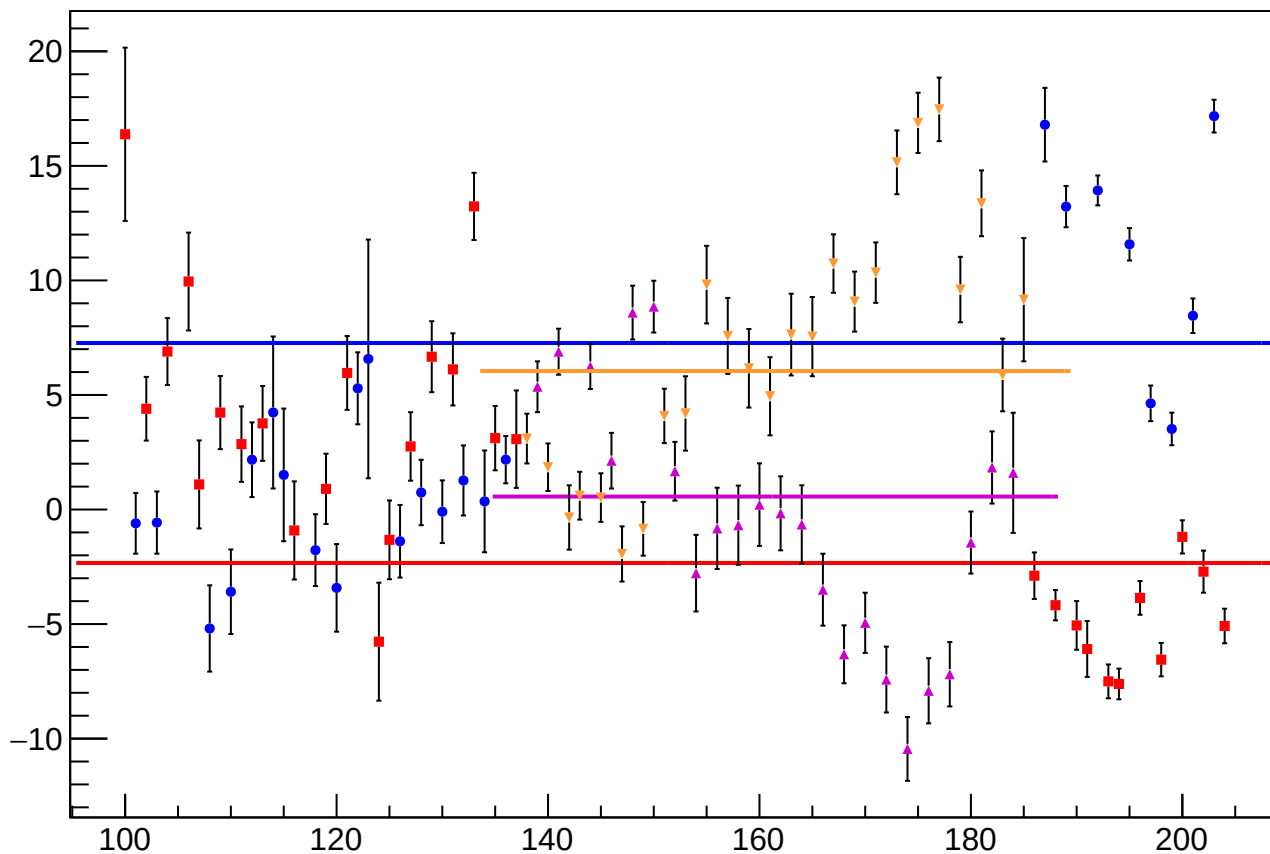
Left In: 1077.284 $\pm$ 0.187 χ^2 /NDF: 1280349.9/22

+ sign 793.640 $\pm$ 0.107 χ^2 /NDF: 6473927.5/49

All: 774.574 $\pm$ 0.074 χ^2 /NDF: 13909837.0/10

- sign 757.497 $\pm$ 0.102 χ^2 /NDF: 7376086.0/52

diff_bpm2i01Y_mean vs Slug



Right In: 7.269 ± 0.225 $\chi^2/\text{NDF}: 811.1/24$

Left Out: 6.045 ± 0.272 $\chi^2/\text{NDF}: 430.8/24$

Right Out: -2.334 ± 0.204 $\chi^2/\text{NDF}: 596.1/29$

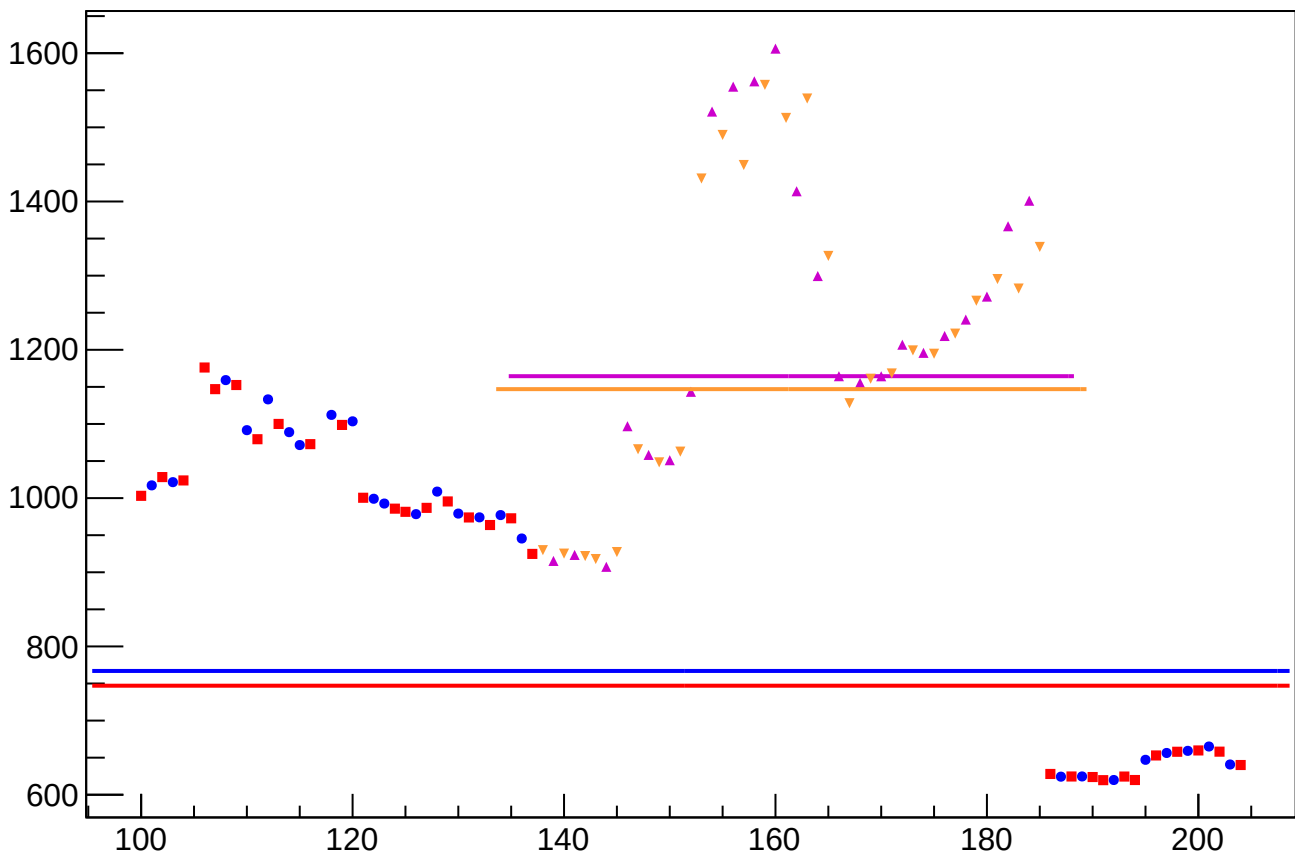
Left In: 0.566 ± 0.284 $\chi^2/\text{NDF}: 417.0/22$

+ sign 6.770 ± 0.173 $\chi^2/\text{NDF}: 1253.9/49$

All: 2.521 ± 0.120 $\chi^2/\text{NDF}: 3483.7/102$

- sign -1.350 ± 0.165 $\chi^2/\text{NDF}: 1081.9/52$

diff_bpm2i01Y_rms vs Slug



Right In: 766.936 $\pm$ 0.159 χ^2 /NDF: 1304503.4/24

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

Right Out: 747.038 $\pm$ 0.144 χ^2 /NDF: 1566157.5/29

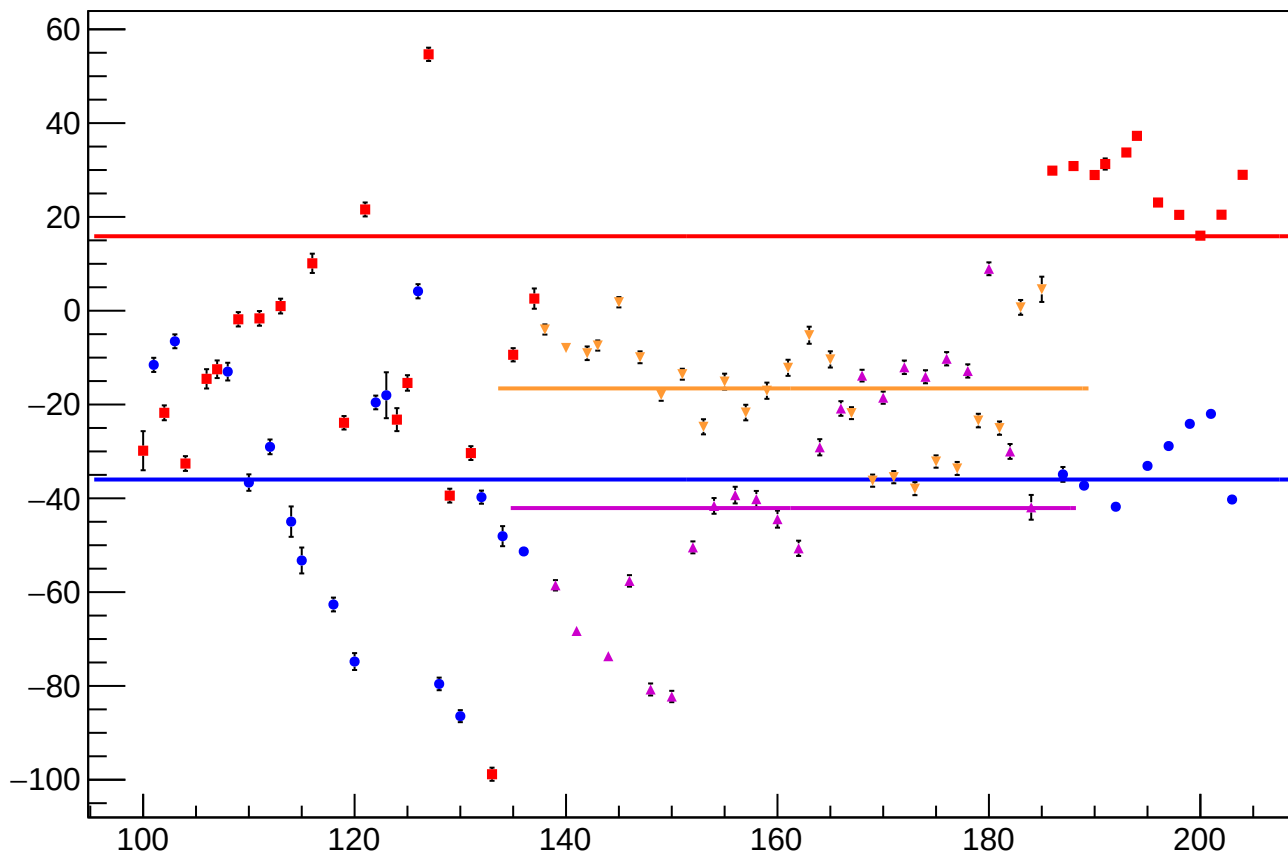
Left In: 1164.432 $\pm$ 0.201 χ^2 /NDF: 944112.0/22

+ sign 921.716 $\pm$ 0.123 χ^2 /NDF: 4669828.0/49

All: 904.407 $\pm$ 0.085 χ^2 /NDF: 10070198.9/10

- sign 888.638 $\pm$ 0.117 χ^2 /NDF: 5362278.7/52

diff_bpm2i02X_mean vs Slug



Right In: -35.990 ± 0.222 χ^2/NDF : 6200.1/24

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

Right Out: 15.879 ± 0.200 χ^2/NDF : 17255.5/29

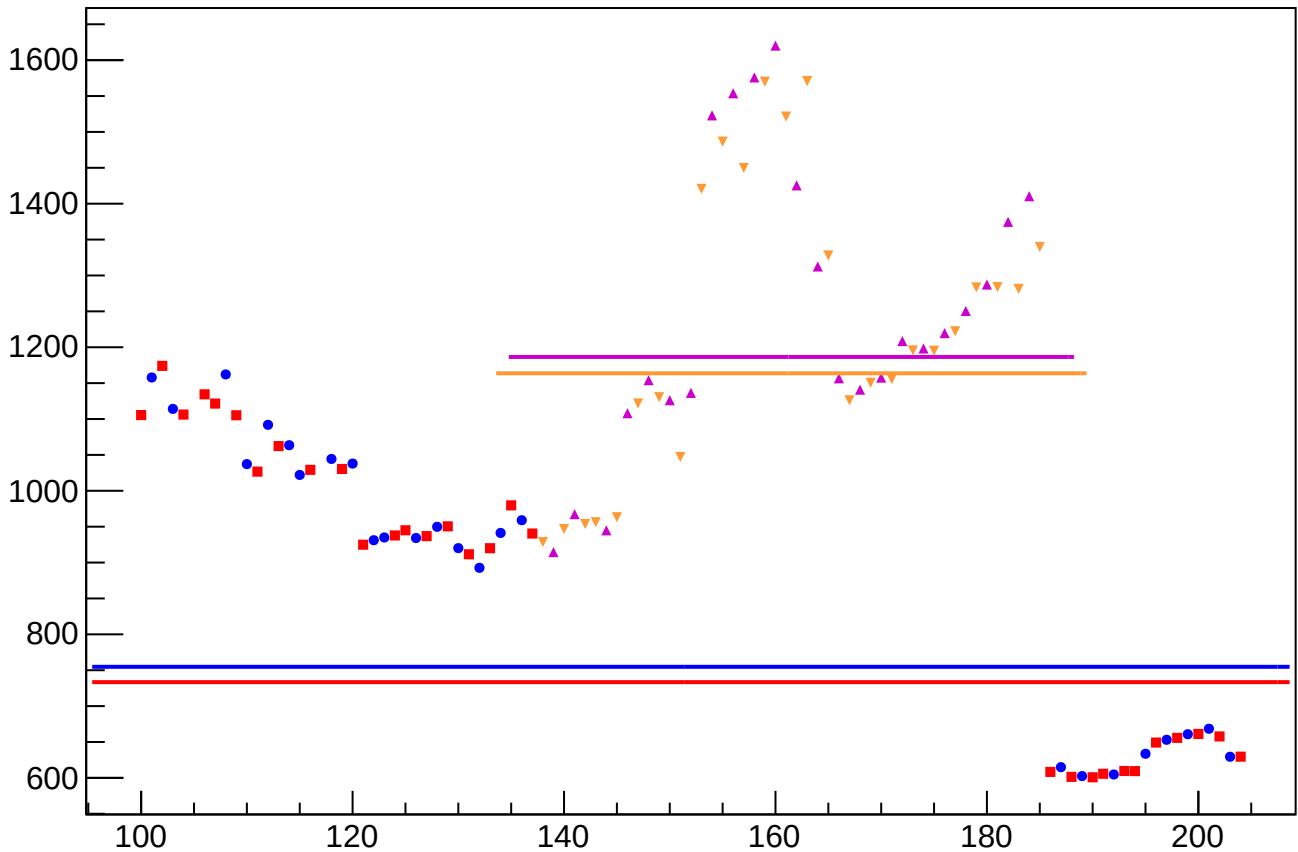
Left In: -42.077 ± 0.289 χ^2/NDF : 8332.3/22

+ sign -28.350 ± 0.173 χ^2/NDF : 11152.0/49

All: -14.986 ± 0.119 χ^2/NDF : 75360.8/102

- sign -2.865 ± 0.164 χ^2/NDF : 52780.0/52

diff_bpm2i02X_rms vs Slug



Right In: 754.748 $\pm$ 0.157 χ^2 /NDF: 1316302.9/24

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

Right Out: 733.396 $\pm$ 0.141 χ^2 /NDF: 1579705.0/29

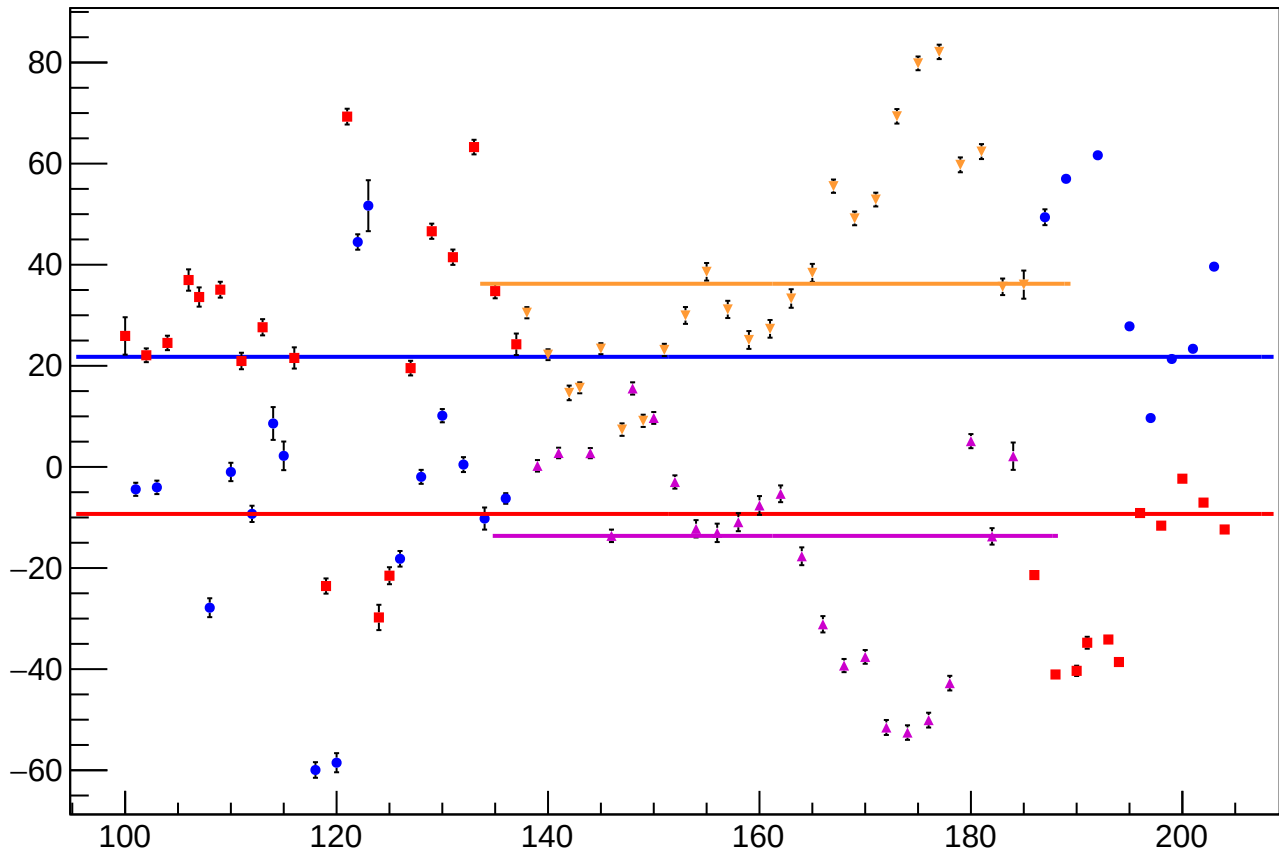
Left In: 1186.476 $\pm$ 0.204 χ^2 /NDF: 833420.3/22

+ sign 915.598 $\pm$ 0.122 χ^2 /NDF: 4930433.8/49

All: 896.895 $\pm$ 0.084 χ^2 /NDF: 10712067.2/10

- sign 879.931 $\pm$ 0.116 χ^2 /NDF: 5736863.4/52

diff_bpm2i02Y_mean vs Slug



Right In: 21.779 $\pm$ 0.219 χ^2 /NDF: 16124.6/24

Left Out: 36.234 $\pm$ 0.280 χ^2 /NDF: 5794.2/24

Right Out: -9.298 $\pm$ 0.198 χ^2 /NDF: 20882.2/29

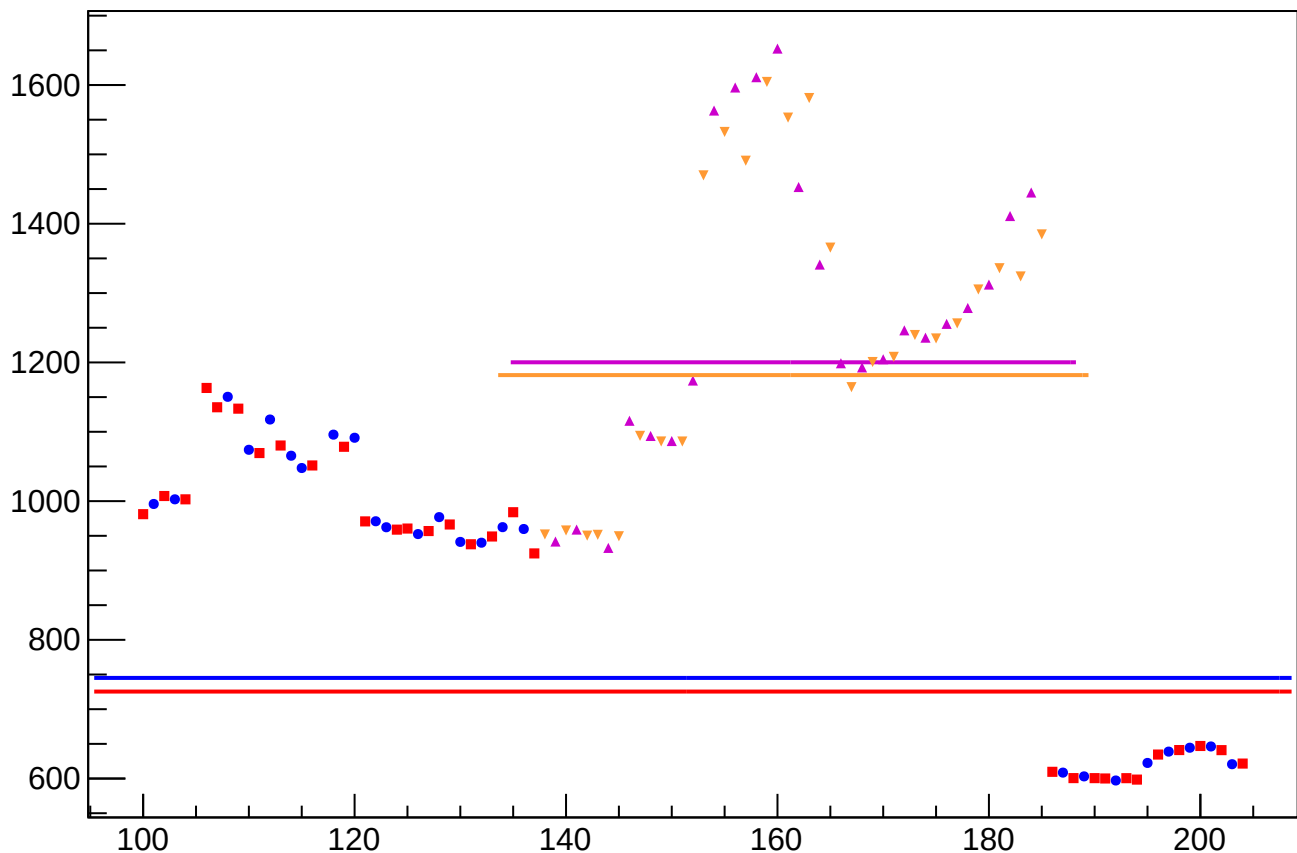
Left In: -13.640 $\pm$ 0.293 χ^2 /NDF: 5178.0/22

+ sign 27.272 $\pm$ 0.173 χ^2 /NDF: 23572.8/49

All: 7.344 $\pm$ 0.119 χ^2 /NDF: 75179.9/102

- sign -10.660 $\pm$ 0.164 χ^2 /NDF: 26211.1/52

diff_bpm2i02Y_rms vs Slug



Right In: 745.103+/-0.155 χ^2/NDF : 1379451.9/24

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

Right Out: 725.426+/-0.140 χ^2/NDF : 1648045.2/29

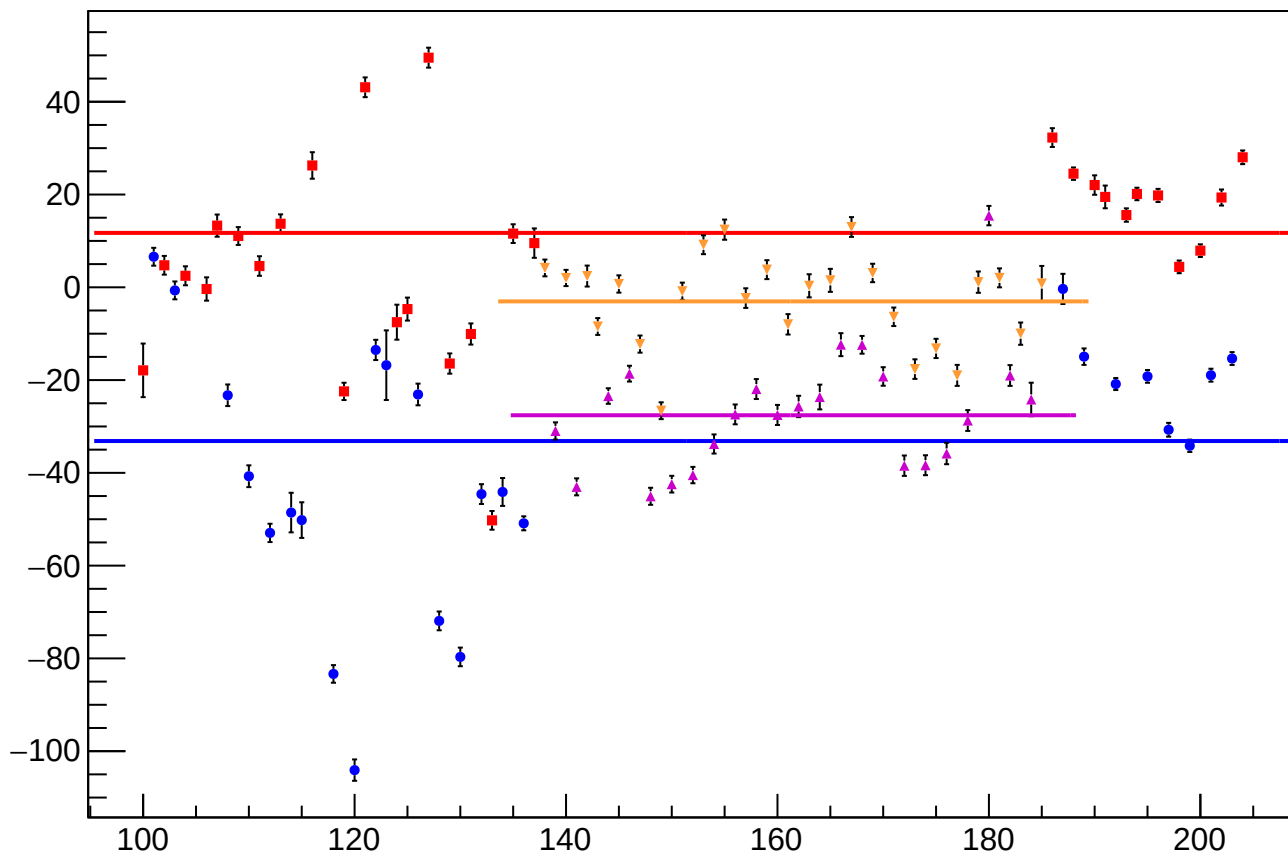
Left In: 1200.198+/-0.207 χ^2/NDF : 938224.7/22

+ sign 911.013+/-0.122 χ^2/NDF : 5441096.4/49

All: 891.755+/-0.084 χ^2/NDF : 11683923.2/10

- sign 874.356+/-0.116 χ^2/NDF : 6195389.5/52

diff_bpm0i02X_mean vs Slug



Right In: -33.141 ± 0.377 χ^2/NDF : 4380.4/24

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

Right Out: 11.729 ± 0.348 χ^2/NDF : 2739.5/29

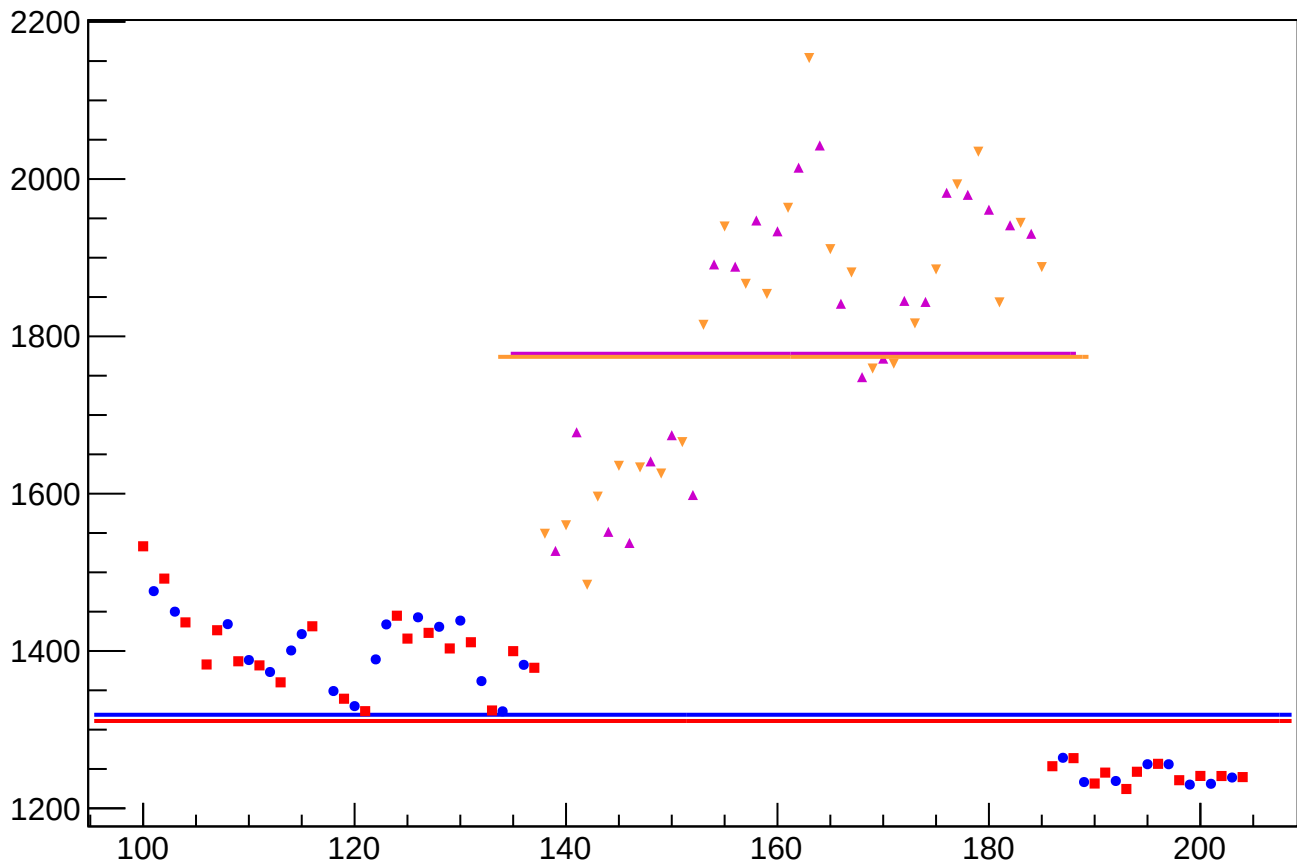
Left In: -27.583 ± 0.429 χ^2/NDF : 960.1/22

+ sign -19.514 ± 0.279 χ^2/NDF : 7814.9/49

All: -11.438 ± 0.194 χ^2/NDF : 18197.8/102

- sign -3.874 ± 0.270 χ^2/NDF : 8763.4/52

diff_bpm0i02X_rms vs Slug



Right In: 1318.928+/-0.267 χ^2/NDF : 104171.1/24

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

Right Out: 1311.008+/-0.246 χ^2/NDF : 109716.0/29

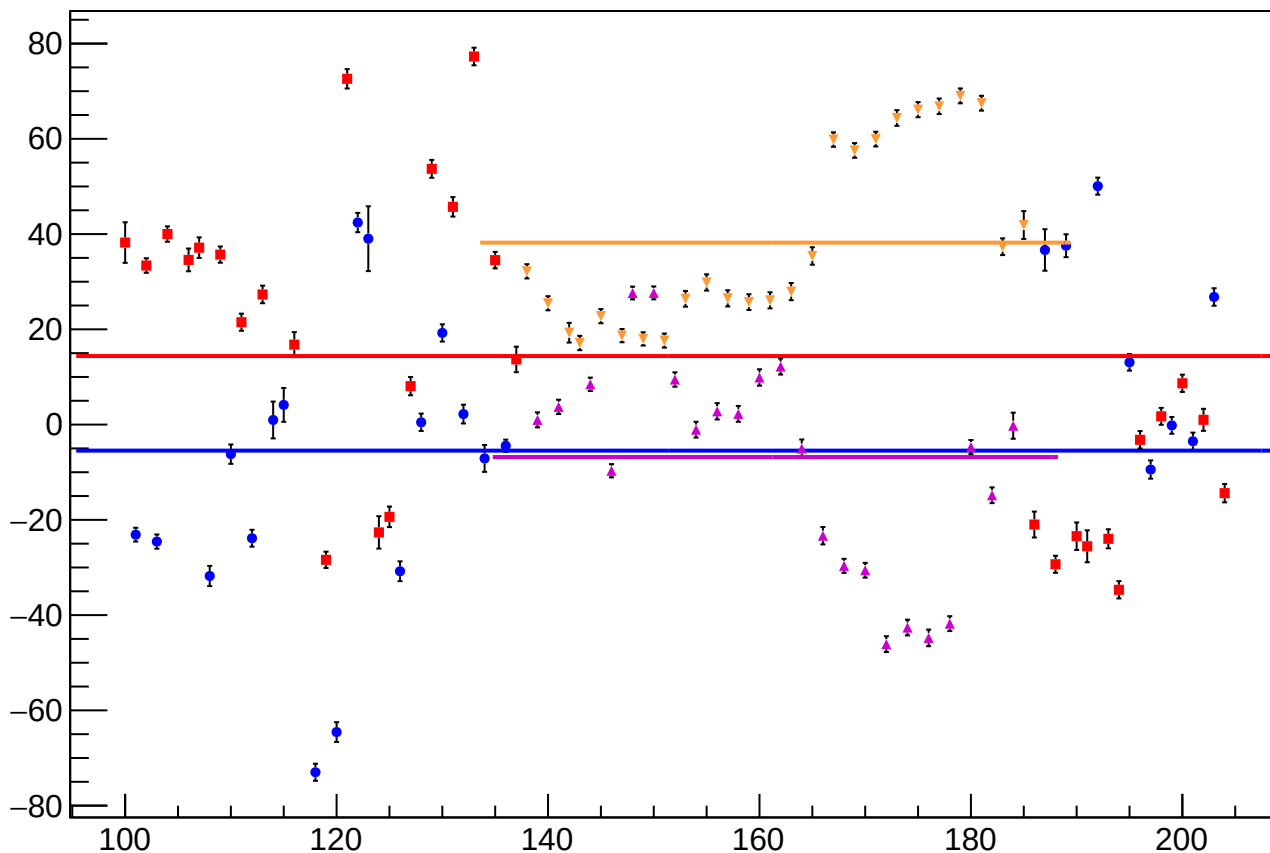
Left In: 1777.884+/-0.303 χ^2/NDF : 299514.0/22

+ sign 1524.906+/-0.197 χ^2/NDF : 1732747.5/49

All: 1510.139+/-0.137 χ^2/NDF : 3581249.7/10

- sign 1496.308+/-0.191 χ^2/NDF : 1837672.2/52

diff_bpm0i02Y_mean vs Slug



Right In: -5.466 ± 0.391 χ^2/NDF : 5590.9/24

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

Right Out: 14.391 ± 0.368 χ^2/NDF : 7200.9/29

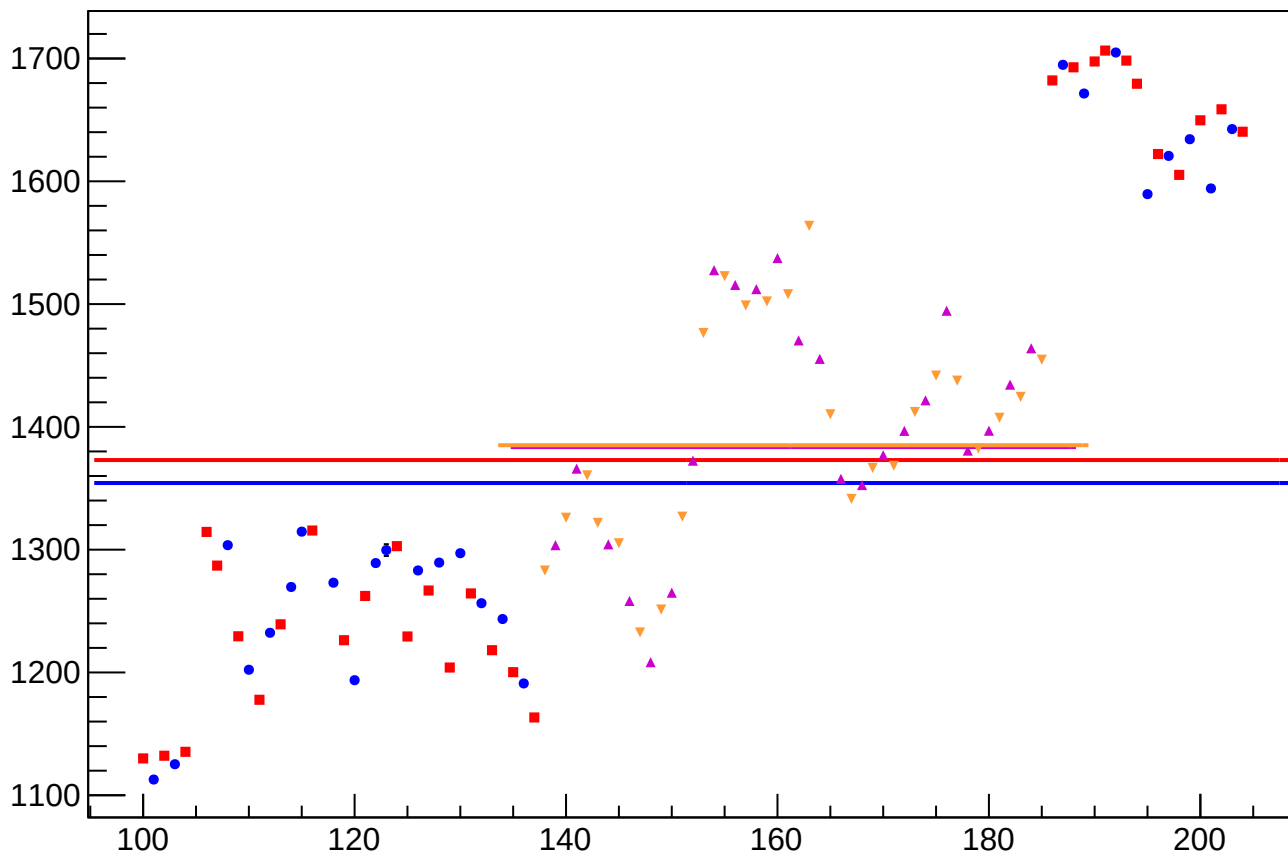
Left In: -6.808 ± 0.333 χ^2/NDF : 4494.5/22

+ sign 20.474 ± 0.249 χ^2/NDF : 16510.8/49

All: 11.521 ± 0.175 χ^2/NDF : 32587.5/102

- sign 2.728 ± 0.247 χ^2/NDF : 13518.7/52

diff_bpm0i02Y_rms vs Slug



Right In: 1354.286 $\pm$ 0.277 χ^2 /NDF: 524075.5/24

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

Right Out: 1372.989 $\pm$ 0.260 χ^2 /NDF: 688496.9/29

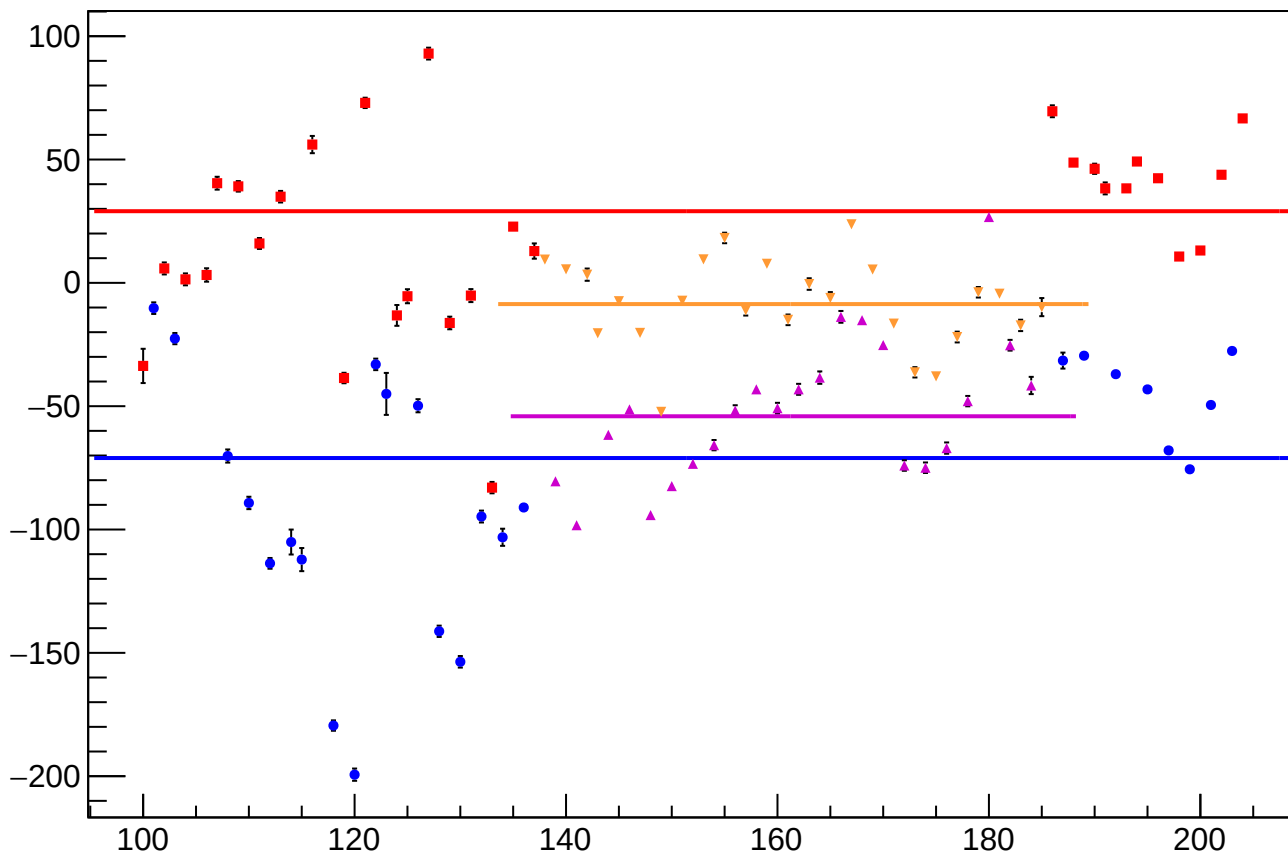
Left In: 1383.558 $\pm$ 0.235 χ^2 /NDF:154696.0/22

+ sign 1372.567 $\pm$ 0.176 χ^2 /NDF: 677432.9/49

All: 1375.713 $\pm$ 0.124 χ^2 /NDF: 1522164.0/10

- sign 1378.803 $\pm$ 0.175 χ^2 /NDF: 844099.3/52

diff_bpm0i02aX_mean vs Slug



Right In: -71.016 ± 0.417 χ^2/NDF : 12510.4/24

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

Right Out: 29.051 ± 0.382 χ^2/NDF : 7488.6/29

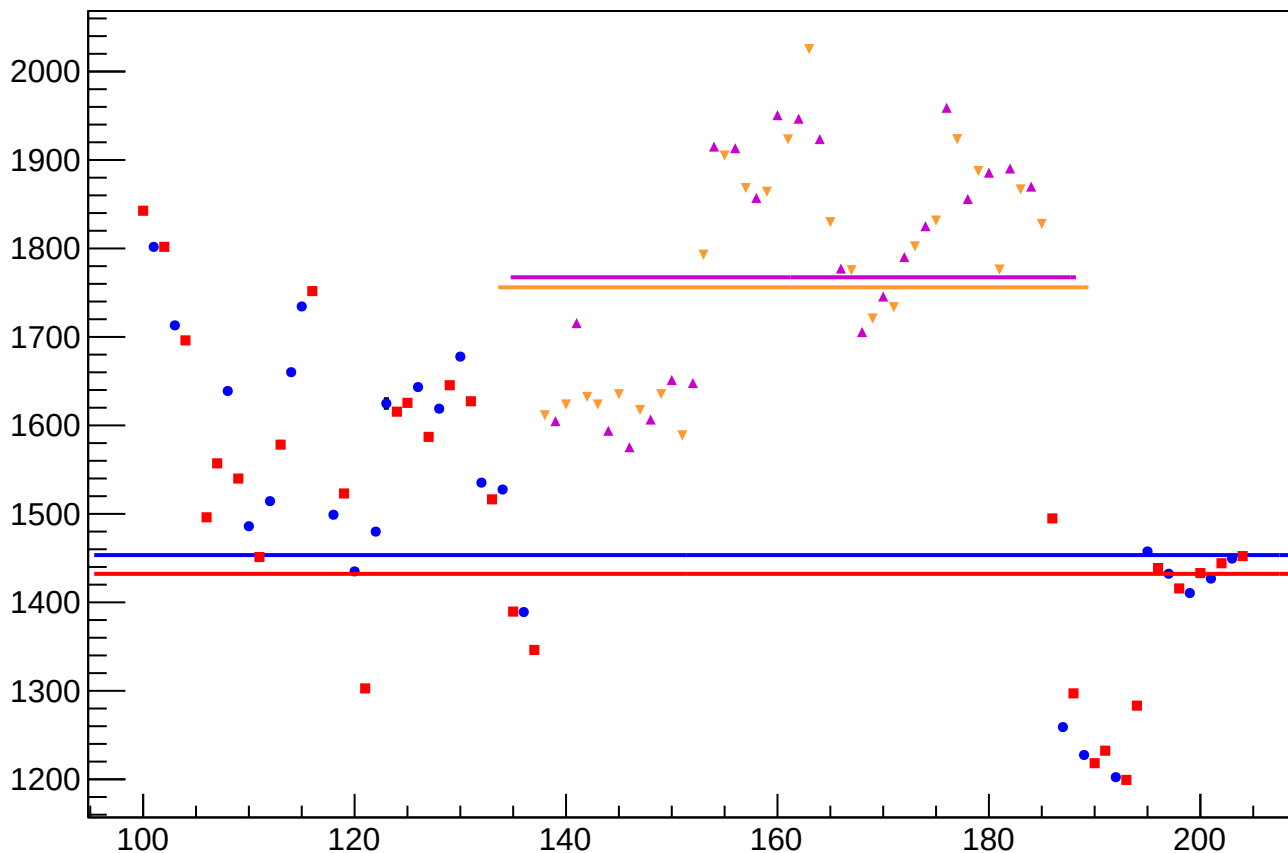
Left In: -54.089 ± 0.426 χ^2/NDF : 4721.6/22

+ sign -39.269 ± 0.293 χ^2/NDF : 25813.1/49

All: -23.168 ± 0.204 χ^2/NDF : 65063.5/102

- sign -7.987 ± 0.284 χ^2/NDF : 33366.6/52

diff_bpm0i02aX_rms vs Slug



Right In: 1453.421+/-0.295 χ^2/NDF : 261497.2/24

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

Right Out: 1432.214+/-0.270 χ^2/NDF : 308100.6/29

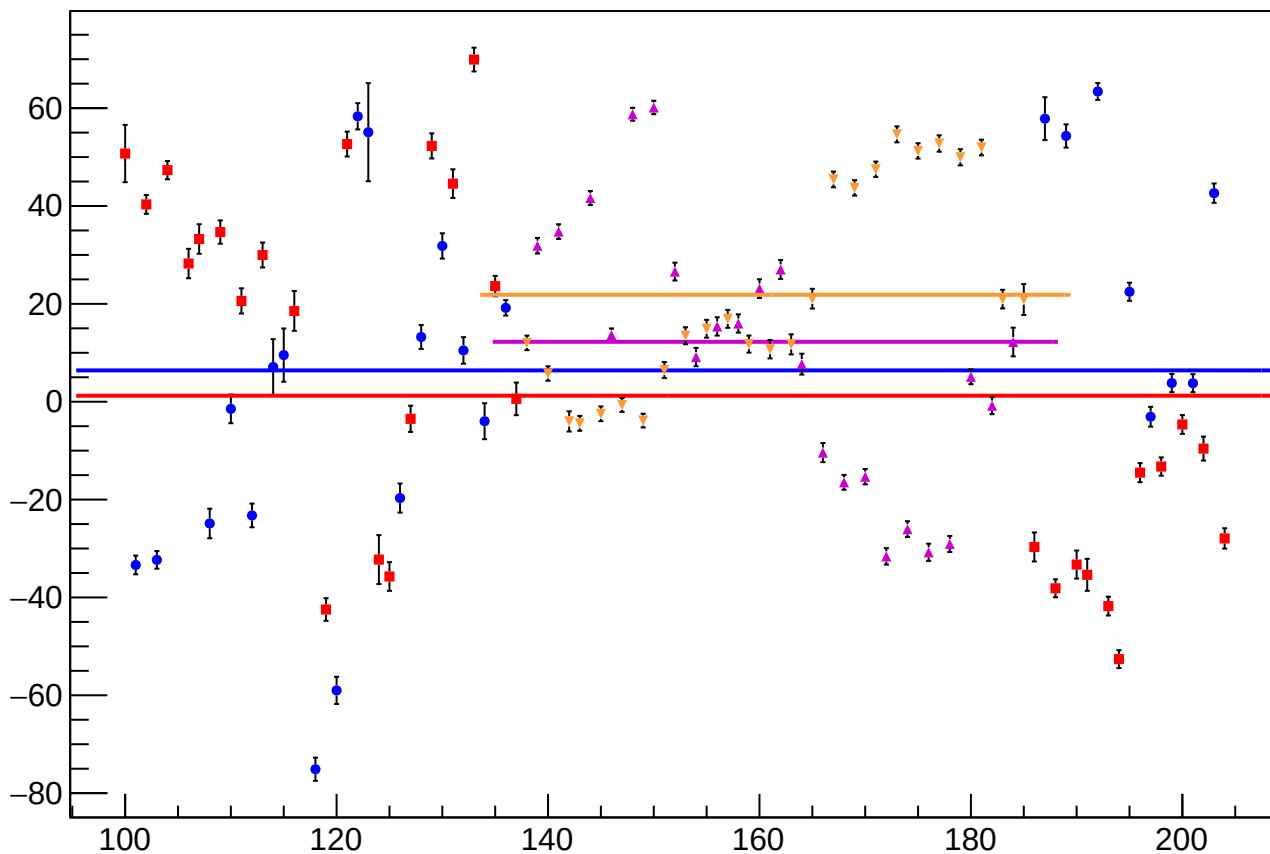
Left In: 1767.410+/-0.301 χ^2/NDF : 187958.2/22

+ sign 1607.355+/-0.207 χ^2/NDF : 971990.1/49

All: 1594.068+/-0.144 χ^2/NDF : 2163851.2/10

- sign 1581.541+/-0.201 χ^2/NDF : 1183848.1/52

diff_bpm0i02aY_mean vs Slug



Right In: 6.401 ± 0.472 $\chi^2/\text{NDF}: 5626.7/24$

Left Out: 21.856 ± 0.335 $\chi^2/\text{NDF}: 4110.5/24$

Right Out: 1.234 ± 0.440 $\chi^2/\text{NDF}: 6754.5/29$

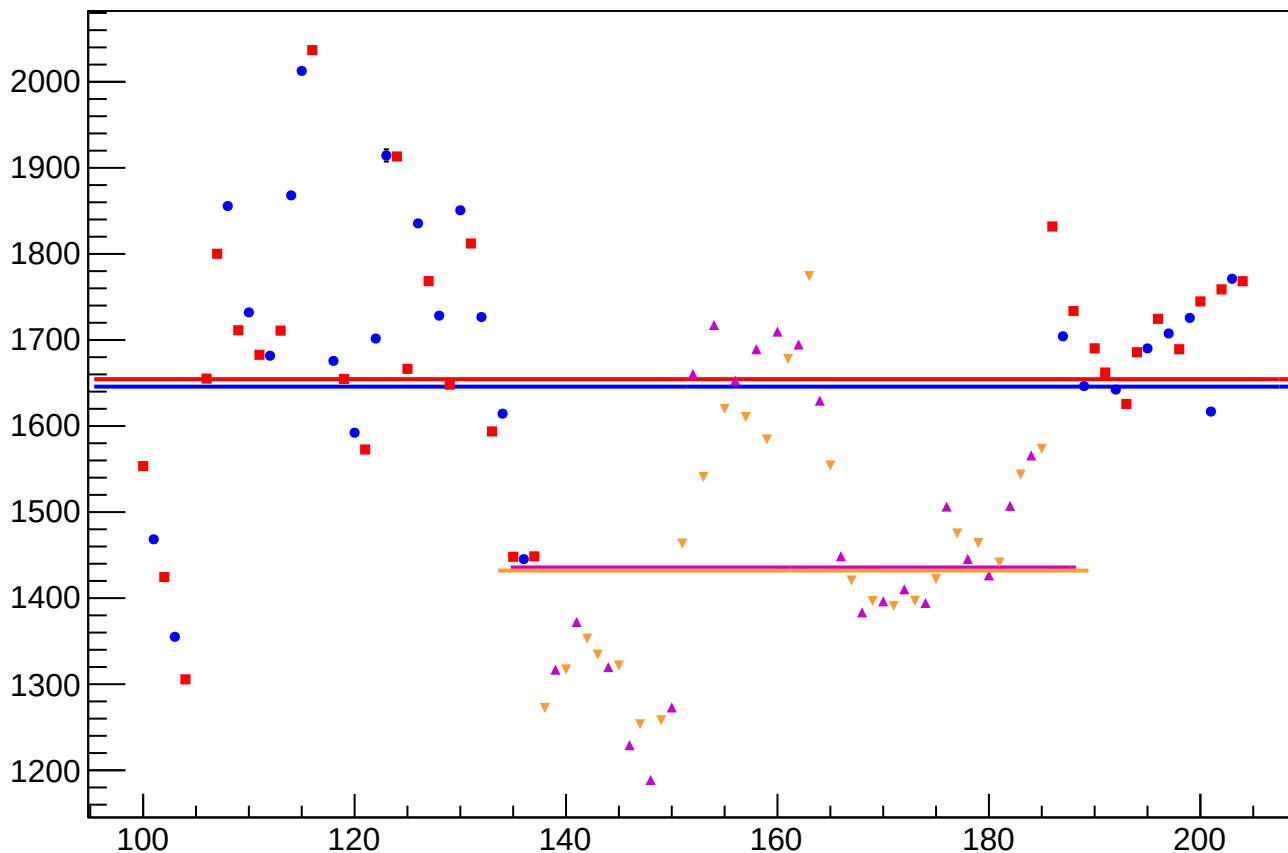
Left In: 12.246 ± 0.347 $\chi^2/\text{NDF}: 6781.6/22$

+ sign 16.677 ± 0.273 $\chi^2/\text{NDF}: 10448.9/49$

All: 12.337 ± 0.193 $\chi^2/\text{NDF}: 24873.3/102$

- sign 8.025 ± 0.273 $\chi^2/\text{NDF}: 13922.0/52$

diff_bpm0i02aY_rms vs Slug



Right In: 1645.787 $\pm$ 0.334 χ^2 /NDF: 169417.0/24

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

Right Out: 1654.450 $\pm$ 0.311 χ^2 /NDF: 198914.1/29

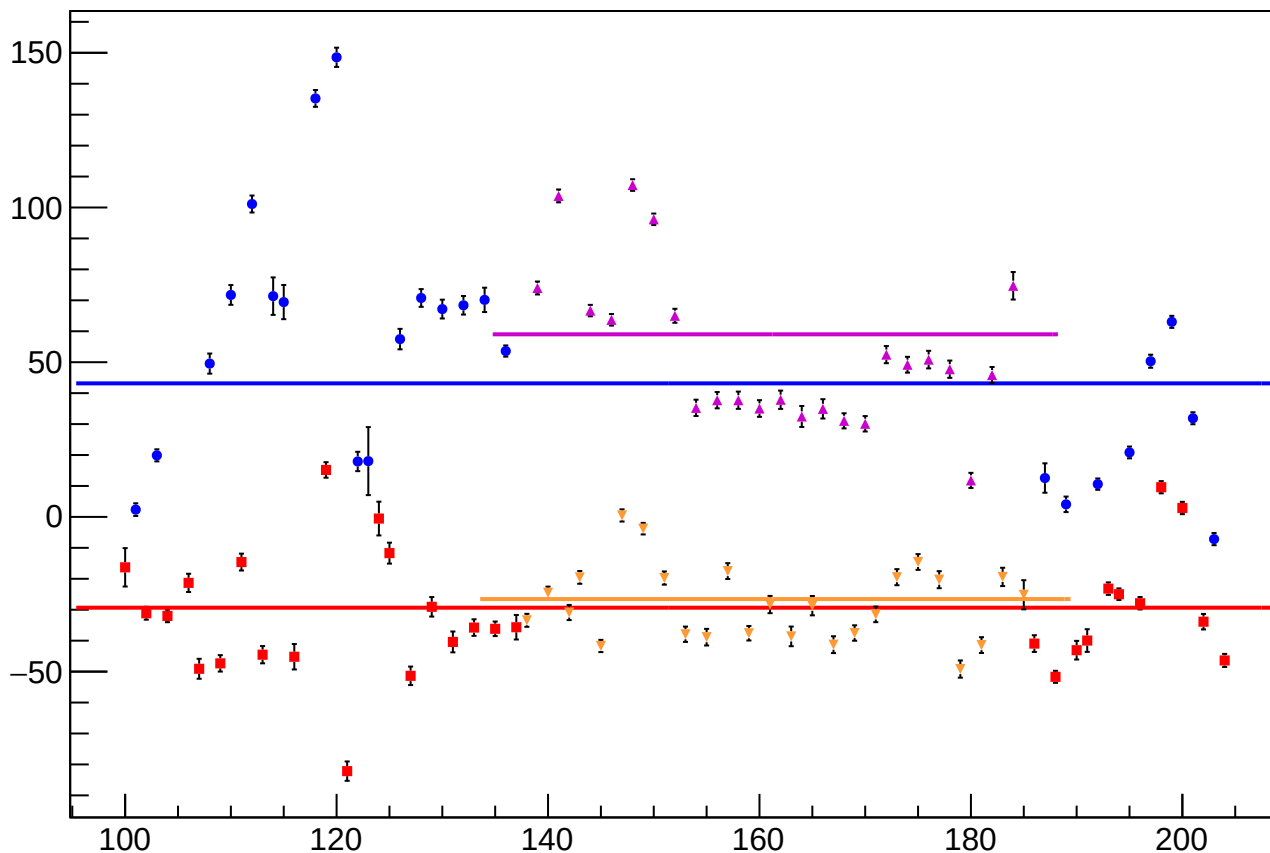
Left In: 1435.645 $\pm$ 0.245 χ^2 /NDF: 420835.0/22

+ sign 1503.671 $\pm$ 0.193 χ^2 /NDF: 739020.0/49

All: 1511.620 $\pm$ 0.136 χ^2 /NDF: 1666865.9/10

- sign 1519.517 $\pm$ 0.193 χ^2 /NDF: 924476.5/52

diff_bpm0i05X_mean vs Slug



Right In: 43.160 ± 0.511 χ^2/NDF : 5342.5/24

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

Right Out: -29.342 ± 0.471 χ^2/NDF : 1824.3/29

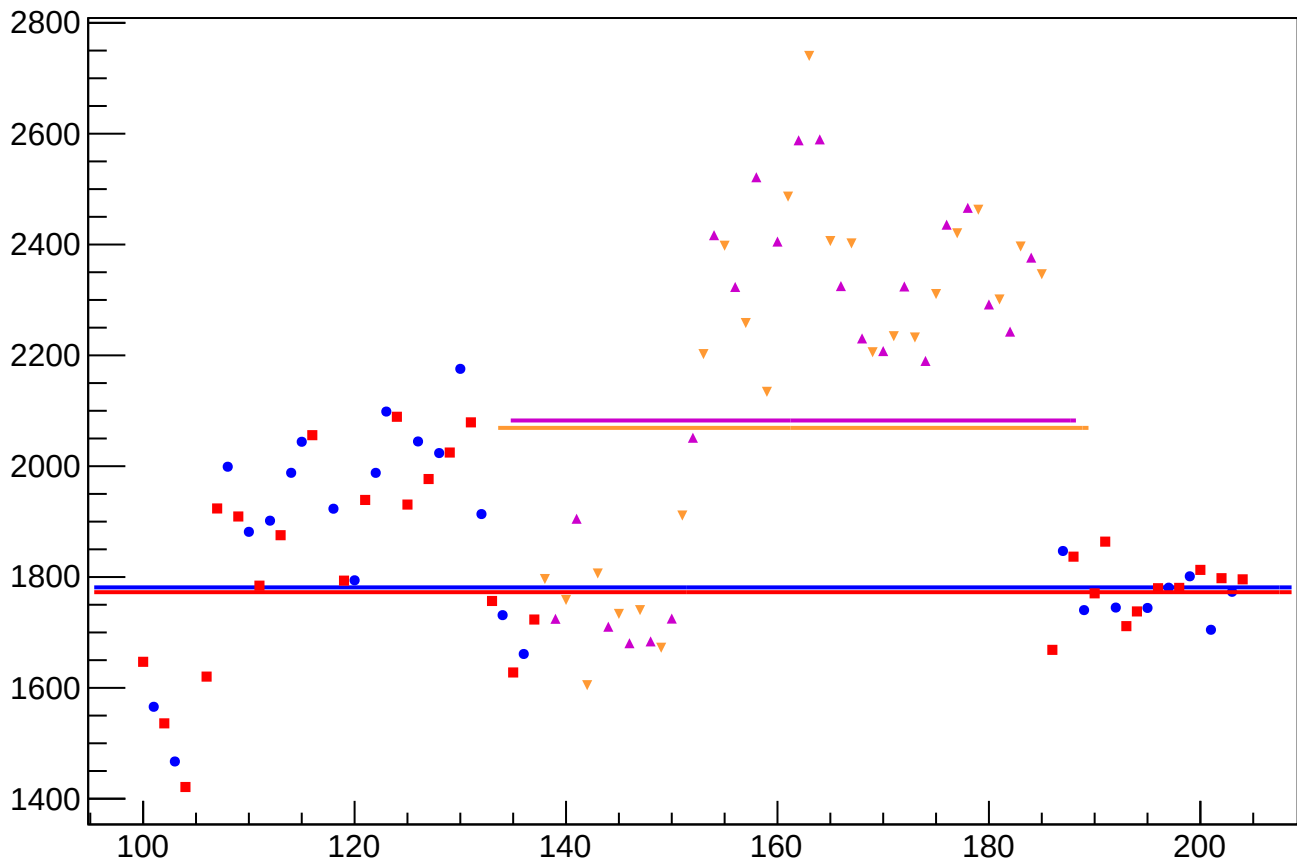
Left In: 59.014 ± 0.506 χ^2/NDF : 2783.8/22

+ sign 6.670 ± 0.353 χ^2/NDF : 15791.5/49

All: 9.229 ± 0.247 χ^2/NDF : 36811.8/102

- sign 11.674 ± 0.345 χ^2/NDF : 20917.5/52

diff_bpm0i05X_rms vs Slug



Right In: 1781.348 $\pm$ 0.362 χ^2 /NDF: 191113.5/24

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

Right Out: 1772.673 $\pm$ 0.333 χ^2 /NDF: 188089.0/29

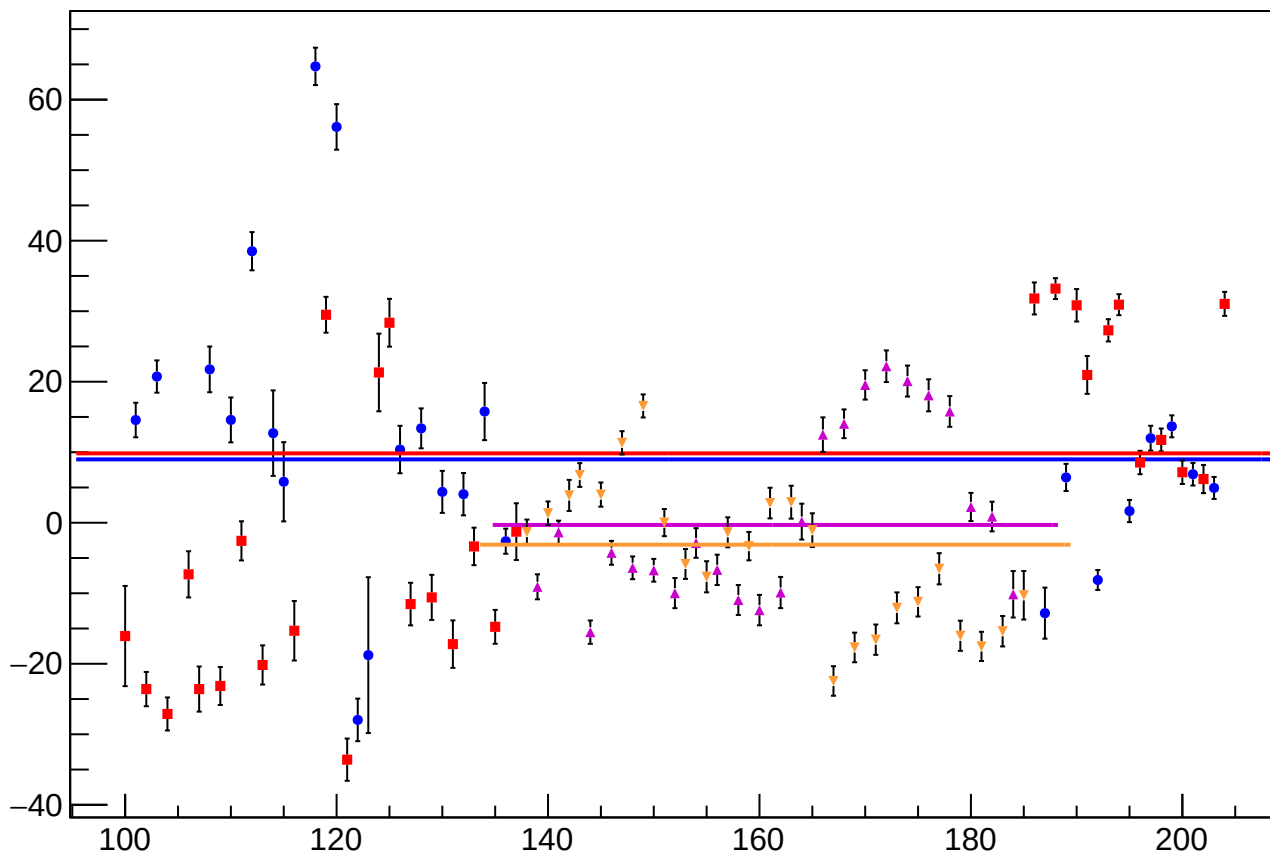
Left In: 2082.497 $\pm$ 0.358 χ^2 /NDF: 785304.0/22

+ sign 1931.988 $\pm$ 0.250 χ^2 /NDF: 1321850.5/49

All: 1924.068 $\pm$ 0.174 χ^2 /NDF: 2698286.0/10

- sign 1916.499 $\pm$ 0.244 χ^2 /NDF: 1374466.0/52

diff_bpm0i05Y_mean vs Slug



Right In: 8.986 ± 0.461 $\chi^2/\text{NDF}: 1259.7/24$

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

Right Out: 9.839 ± 0.422 $\chi^2/\text{NDF}: 2434.5/29$

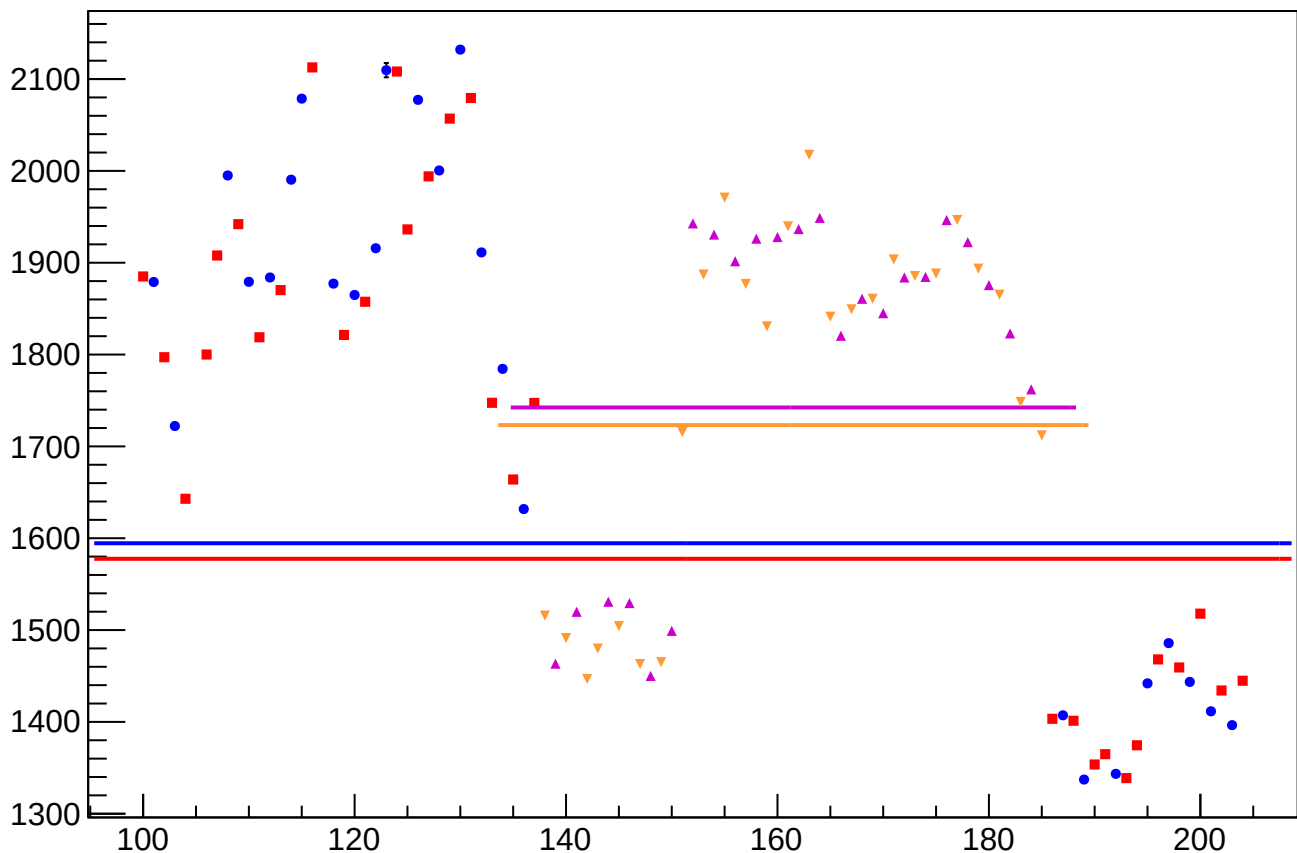
Left In: -0.312 ± 0.421 $\chi^2/\text{NDF}: 736.5/22$

+ sign 2.145 ± 0.304 $\chi^2/\text{NDF}: 2292.6/49$

All: 3.471 ± 0.213 $\chi^2/\text{NDF}: 5790.6/102$

- sign 4.747 ± 0.298 $\chi^2/\text{NDF}: 3460.6/52$

diff_bpm0i05Y_rms vs Slug



Right In: 1594.524+/-0.326 χ^2/NDF : 572570.3/24

Left Out: 1723.168+/-0.286 χ^2/NDF : 477441.1/24

Right Out: 1577.605+/-0.299 χ^2/NDF : 575525.7/29

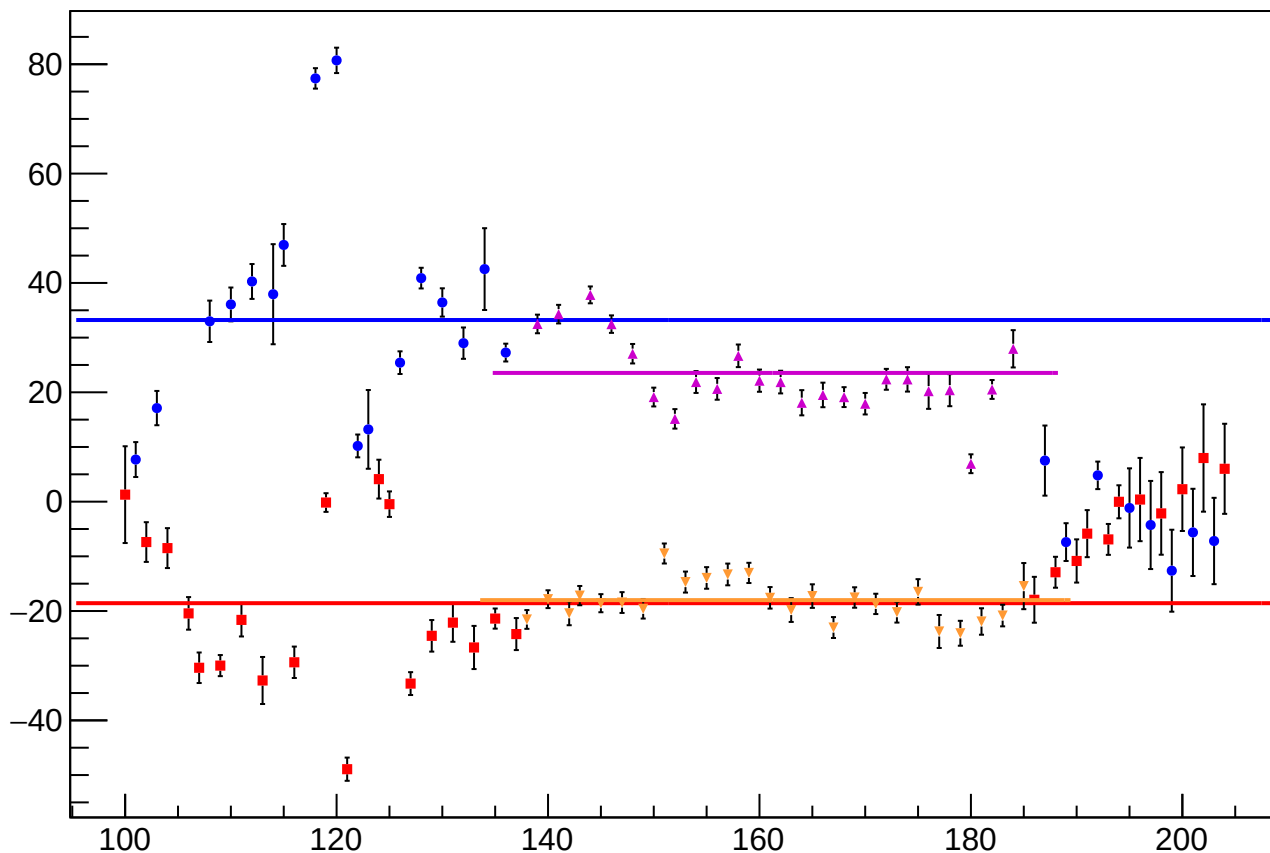
Left In: 1742.354+/-0.298 χ^2/NDF : 435841.5/22

+ sign 1667.269+/-0.215 χ^2/NDF : 1138025.3/49

All: 1663.692+/-0.151 χ^2/NDF : 2302512.8/10

- sign 1660.250+/-0.211 χ^2/NDF : 1163944.2/52

diff_bpm0i07X_mean vs Slug



Right In: 33.220 $\pm$ 0.598 χ^2 /NDF: 1677.7/24

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

Right Out: -18.567 $\pm$ 0.550 χ^2 /NDF: 694.2/29

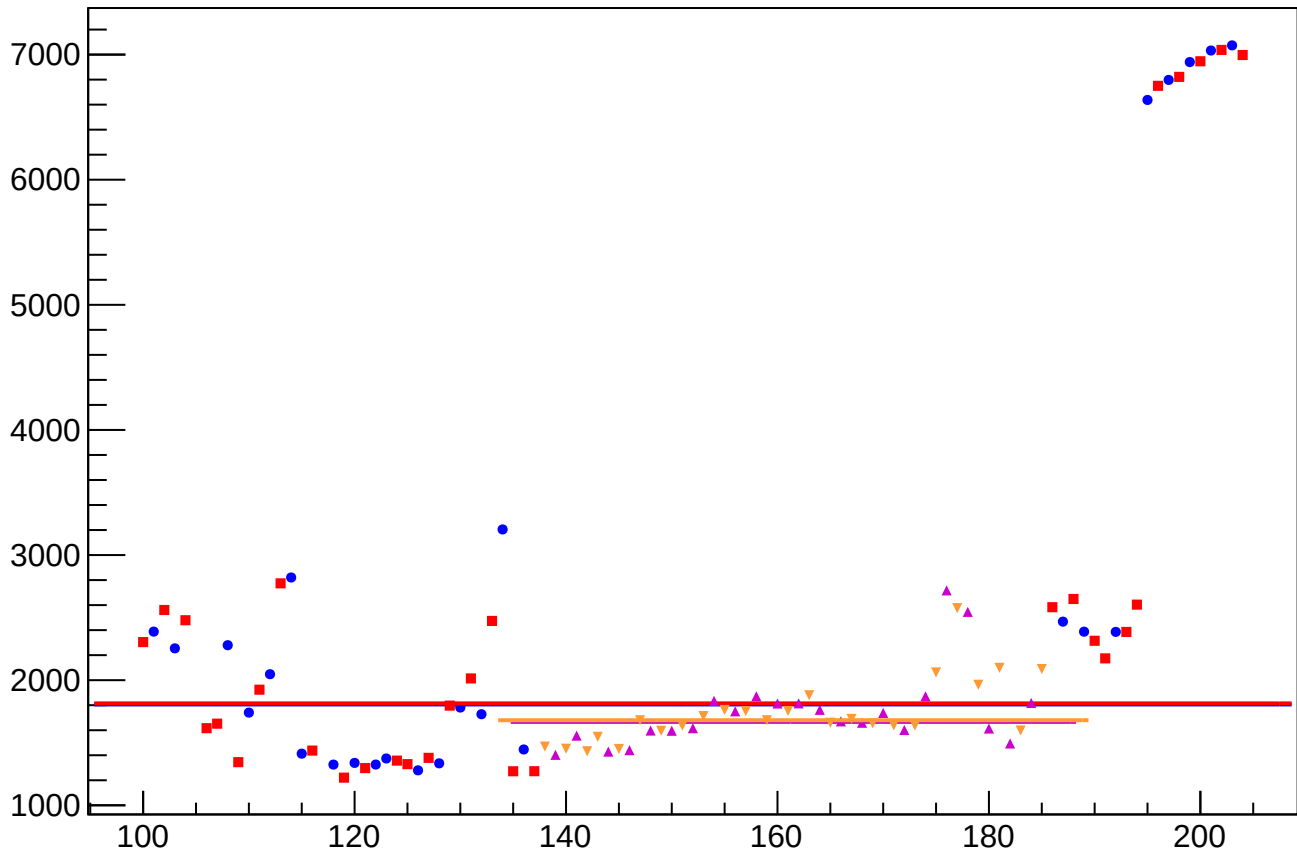
Left In: 23.544 $\pm$ 0.406 χ^2 /NDF: 346.7/22

+ sign -2.336 $\pm$ 0.330 χ^2 /NDF: 6852.9/49

All: 3.256 $\pm$ 0.232 χ^2 /NDF: 12254.7/102

- sign 8.715 $\pm$ 0.327 χ^2 /NDF: 4836.0/52

diff_bpm0i07X_rms vs Slug



Right In: 1806.133+/-0.423 χ^2/NDF : 5473587.6/24

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

Right Out: 1814.491+/-0.389 χ^2/NDF : 5784184.8/29

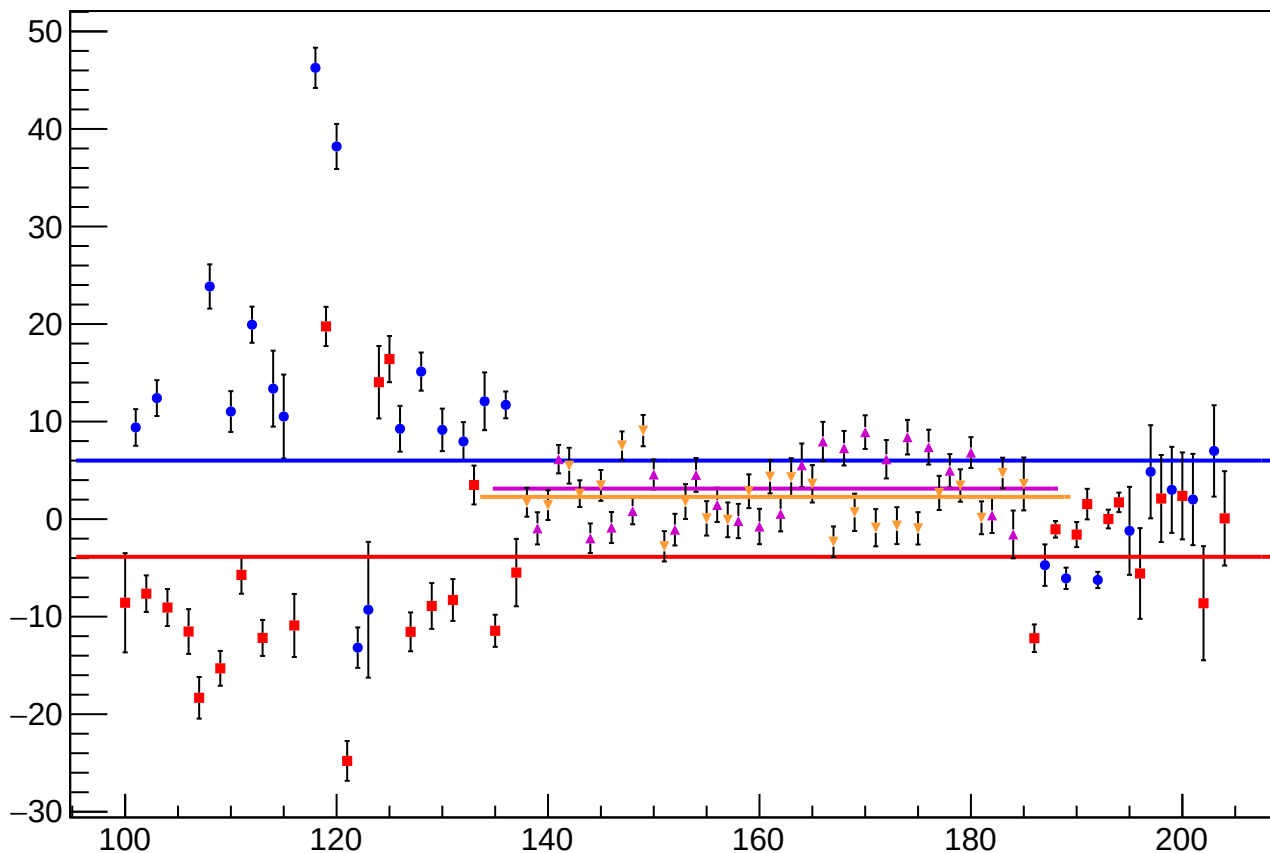
Left In: 1666.819+/-0.287 χ^2/NDF : 650990.8/22

+ sign 1718.456+/-0.234 χ^2/NDF : 6058420.5/49

All: 1718.641+/-0.164 χ^2/NDF : 12586929.5/100

- sign 1718.821+/-0.231 χ^2/NDF : 6528507.8/52

diff_bpm0i07Y_mean vs Slug



Right In: 6.002 ± 0.396 χ^2/NDF : 1225.9/24

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

Right Out: -3.864 ± 0.328 χ^2/NDF : 648.8/29

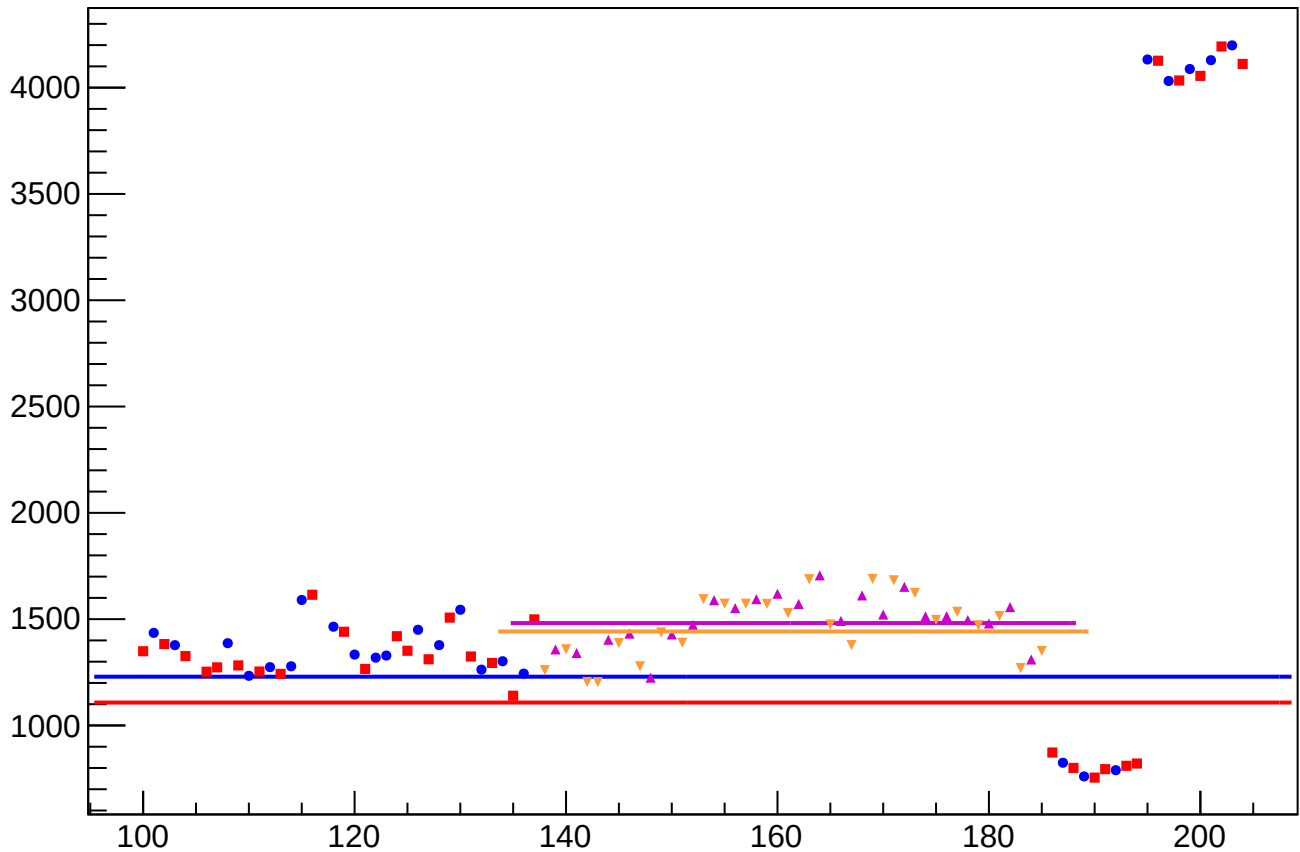
Left In: 3.129 ± 0.358 χ^2/NDF : 103.4/22

+ sign 3.850 ± 0.257 χ^2/NDF : 1352.5/49

All: 1.452 ± 0.176 χ^2/NDF : 2476.1/102

- sign -0.669 ± 0.242 χ^2/NDF : 959.7/52

diff_bpm0i07Y_rms vs Slug



Right In: 1229.344+/-0.280 χ^2/NDF : 5097589.2/24

Left Out: 1441.951+/-0.239 χ^2/NDF : 370617.4/24

Right Out: 1107.757+/-0.232 χ^2/NDF : 5241964.5/29

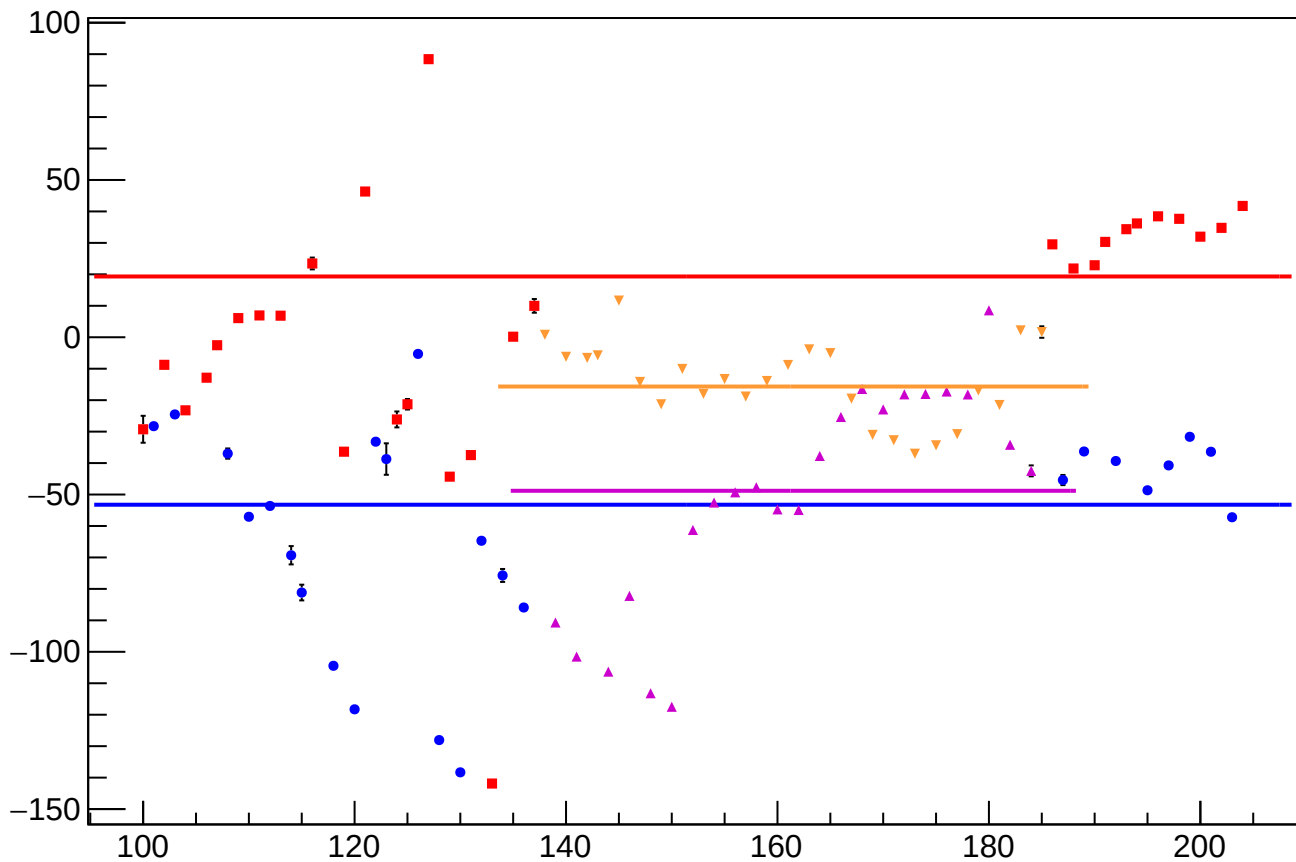
Left In: 1481.695+/-0.253 χ^2/NDF : 208470.6/22

+ sign 1352.243+/-0.182 χ^2/NDF : 5801613.9/49

All: 1313.179+/-0.125 χ^2/NDF : 12526223.0/100

- sign 1278.651+/-0.171 χ^2/NDF : 6637669.5/52

diff_bpm1i02X_mean vs Slug



Right In: -53.241 ± 0.219 χ^2/NDF : 17013.3/24

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

Right Out: 19.323 ± 0.199 χ^2/NDF : 29314.5/29

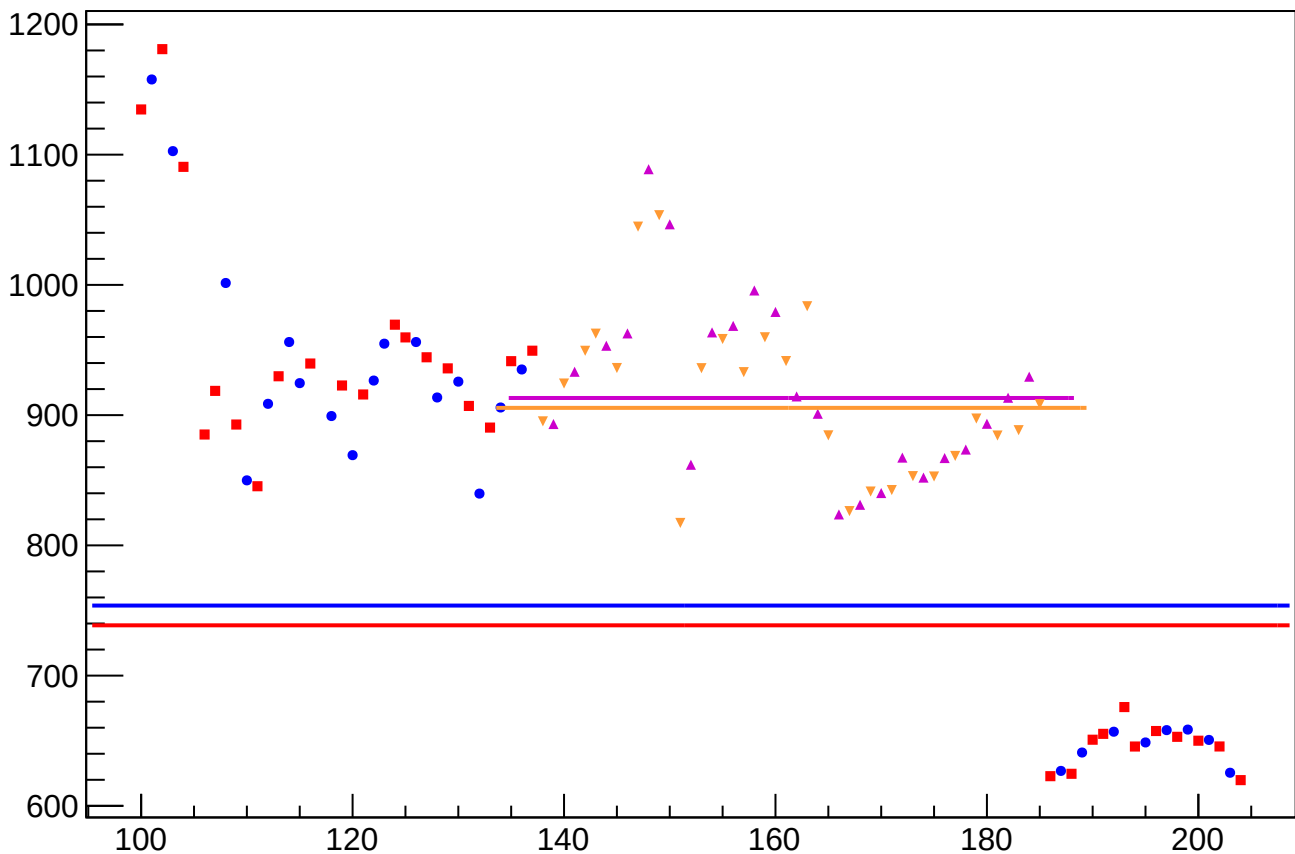
Left In: -48.812 ± 0.220 χ^2/NDF : 25260.8/22

+ sign -33.763 ± 0.152 χ^2/NDF : 35730.4/49

All: -22.247 ± 0.106 χ^2/NDF : 154104.1/102

- sign -11.417 ± 0.148 χ^2/NDF : 107278.7/52

diff_bpm1i02X_rms vs Slug



Right In: 753.784 $\pm$ 0.155 χ^2 /NDF: 909473.9/24

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

Right Out: 738.610 $\pm$ 0.141 χ^2 /NDF: 1049133.0/29

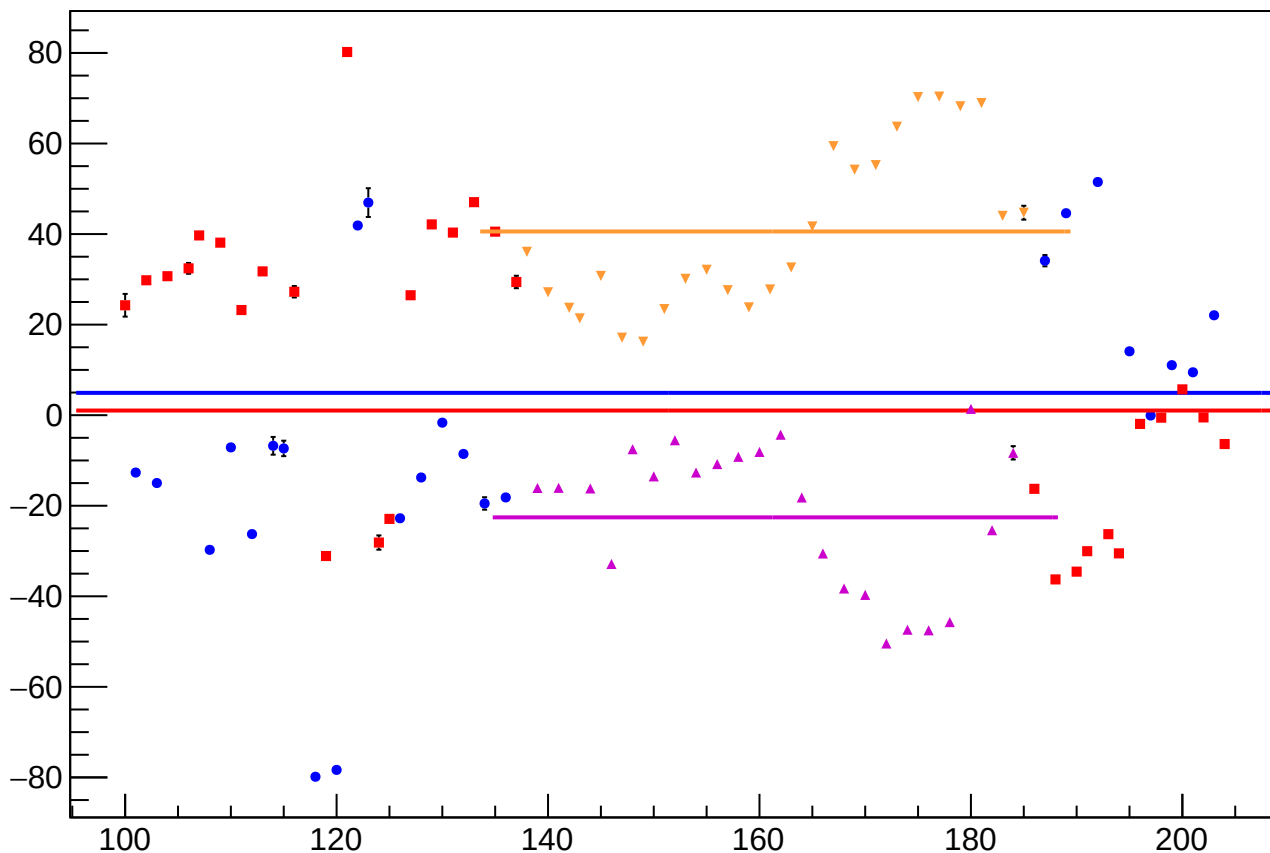
Left In: 913.165 $\pm$ 0.155 χ^2 /NDF: 174438.8/22

+ sign 832.472 $\pm$ 0.108 χ^2 /NDF: 1567635.6/49

All: 824.686 $\pm$ 0.075 χ^2 /NDF: 3493170.0/102

- sign 817.363 $\pm$ 0.104 χ^2 /NDF: 1915388.5/52

diff_bpm1i02Y_mean vs Slug



Right In: 4.932 $\pm$ 0.158 χ^2 /NDF: 36586.0/24

Left Out: 40.573 $\pm$ 0.168 χ^2 /NDF:12079.0/24

Right Out: 1.027 $\pm$ 0.144 χ^2 /NDF: 41167.8/29

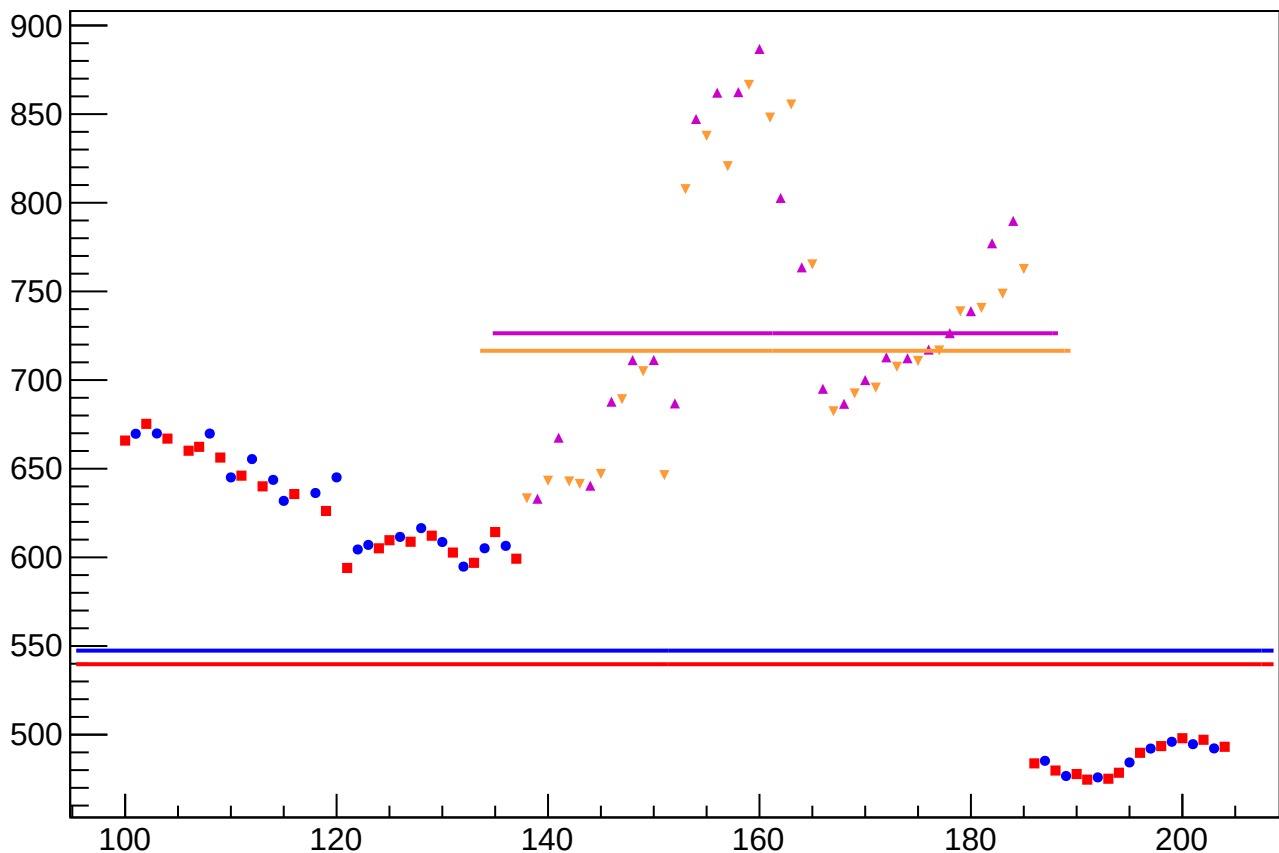
Left In: -22.565 $\pm$ 0.175 χ^2 /NDF:8167.7/22

+ sign 21.644 $\pm$ 0.115 χ^2 /NDF: 72614.3/49

All: 6.098 $\pm$ 0.080 χ^2 /NDF: 168223.9/102

- sign -8.493 $\pm$ 0.111 χ^2 /NDF: 60141.4/52

diff_bpm1i02Y_rms vs Slug



Right In: 547.399+/-0.112 χ^2/NDF : 423311.2/24

Left Out: 716.515+/-0.119 χ^2/NDF : 342740.2/24

Right Out: 539.716+/-0.102 χ^2/NDF : 491460.9/29

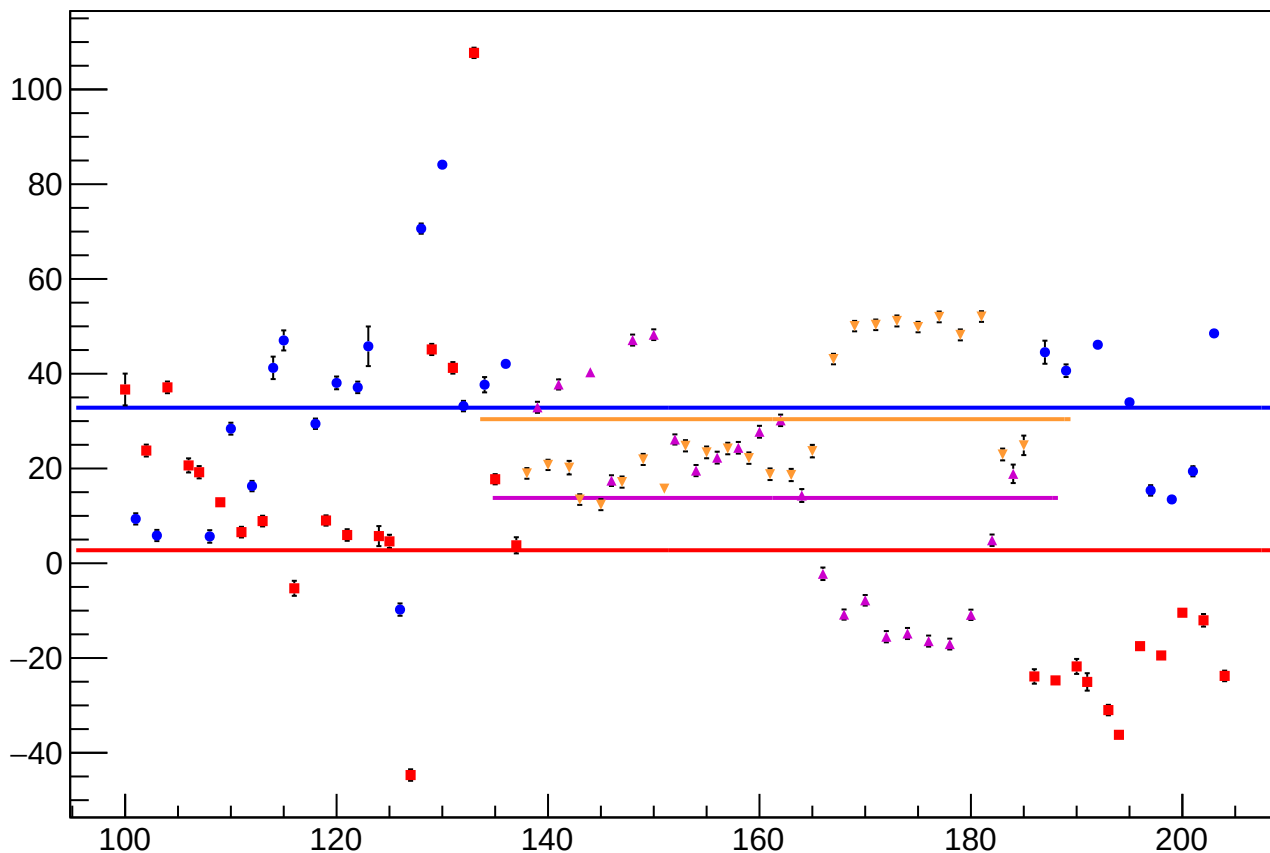
Left In: 726.390+/-0.124 χ^2/NDF : 289788.8/22

+ sign 626.697+/-0.081 χ^2/NDF : 1844489.6/49

All: 620.687+/-0.057 χ^2/NDF : 3989355.4/102

- sign 615.047+/-0.079 χ^2/NDF : 2134266.3/52

diff_bpm1i04X_mean vs Slug



Right In: 32.834 $\pm$ 0.240 χ^2 /NDF: 7670.5/24

Left Out: 30.408 $\pm$ 0.237 χ^2 /NDF: 3808.0/24

Right Out: 2.746 $\pm$ 0.225 χ^2 /NDF: 20529.9/29

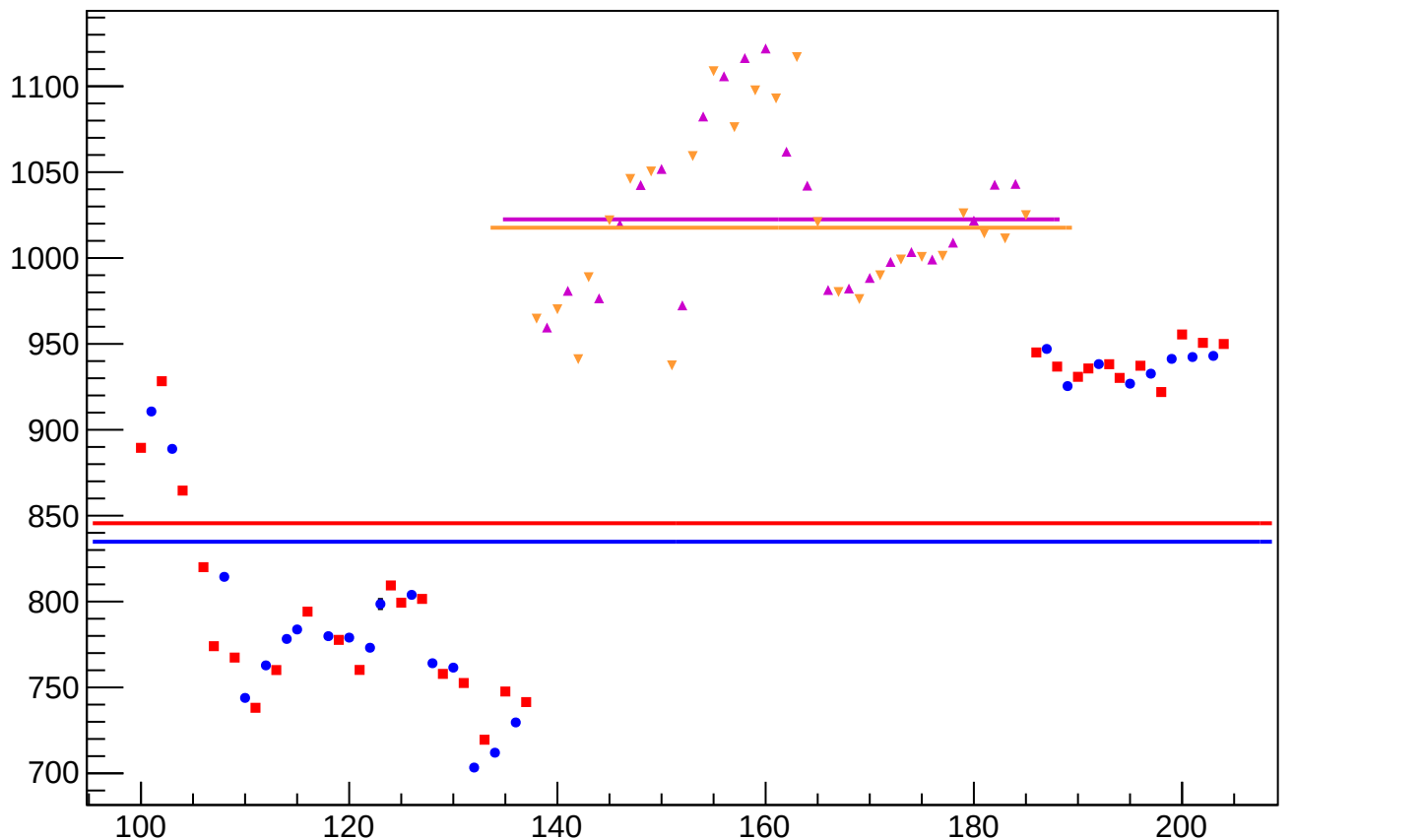
Left In: 13.787 $\pm$ 0.246 χ^2 /NDF: 7979.7/22

+ sign 31.609 $\pm$ 0.169 χ^2 /NDF: 11530.2/49

All: 19.505 $\pm$ 0.118 χ^2 /NDF: 51268.6/102

- sign 7.782 $\pm$ 0.166 χ^2 /NDF: 29606.6/52

diff_bpm1i04X_rms vs Slug



Right In: 834.817 $\pm$ 0.170 χ^2 /NDF: 273075.6/24

Left Out: 1017.653 $\pm$ 0.168 χ^2 /NDF: 83612.5/24

Right Out: 845.596 $\pm$ 0.159 χ^2 /NDF: 297343.0/29

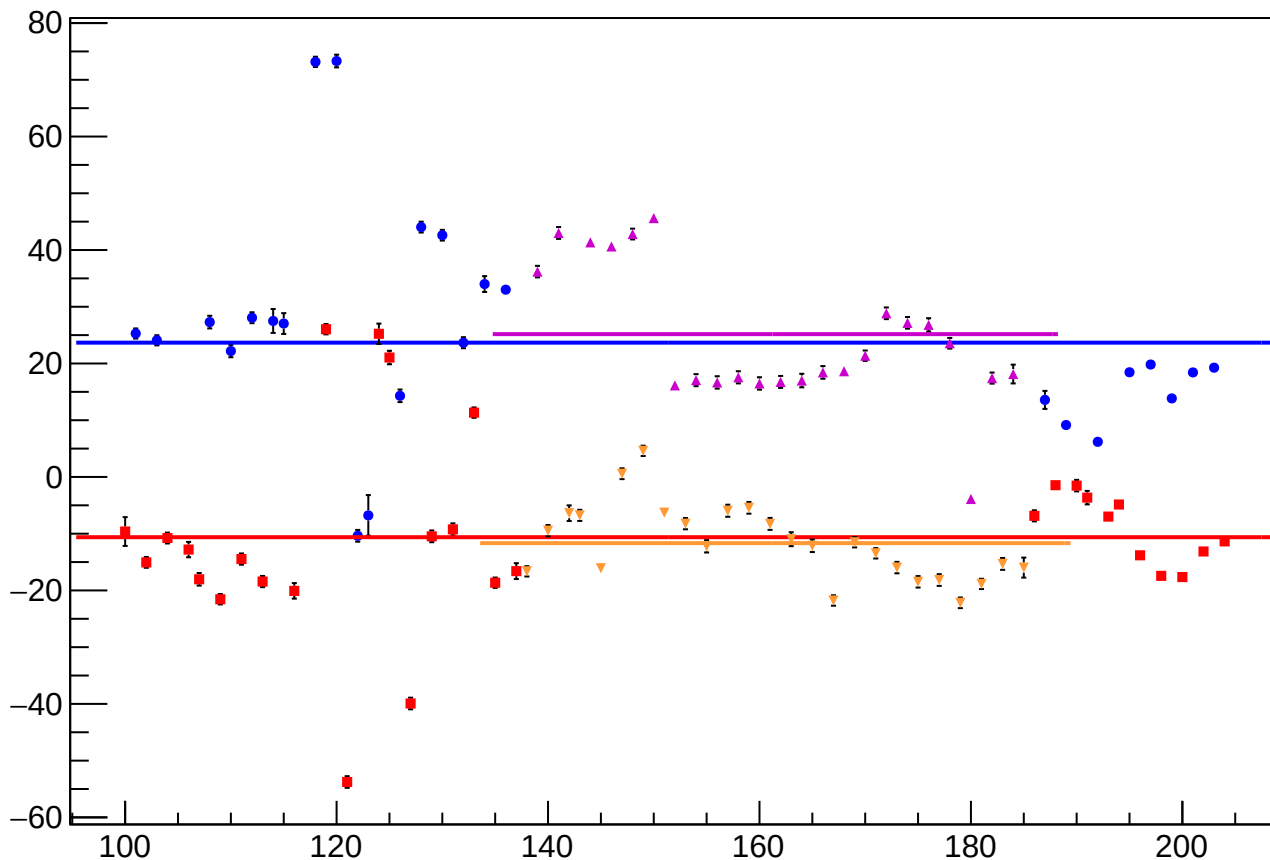
Left In: 1022.511 $\pm$ 0.174 χ^2 /NDF: 69635.5/22

+ sign 927.159 $\pm$ 0.119 χ^2 /NDF: 943845.9/49

All: 926.722 $\pm$ 0.084 χ^2 /NDF: 1874181.1/102

- sign 926.299 $\pm$ 0.117 χ^2 /NDF: 930308.8/52

diff_bpm1i04Y_mean vs Slug



Right In: 23.672 ± 0.177 χ^2/NDF : 8892.9/24

Left Out: -11.664 ± 0.200 χ^2/NDF : 1147.4/24

Right Out: -10.618 ± 0.167 χ^2/NDF : 7015.9/29

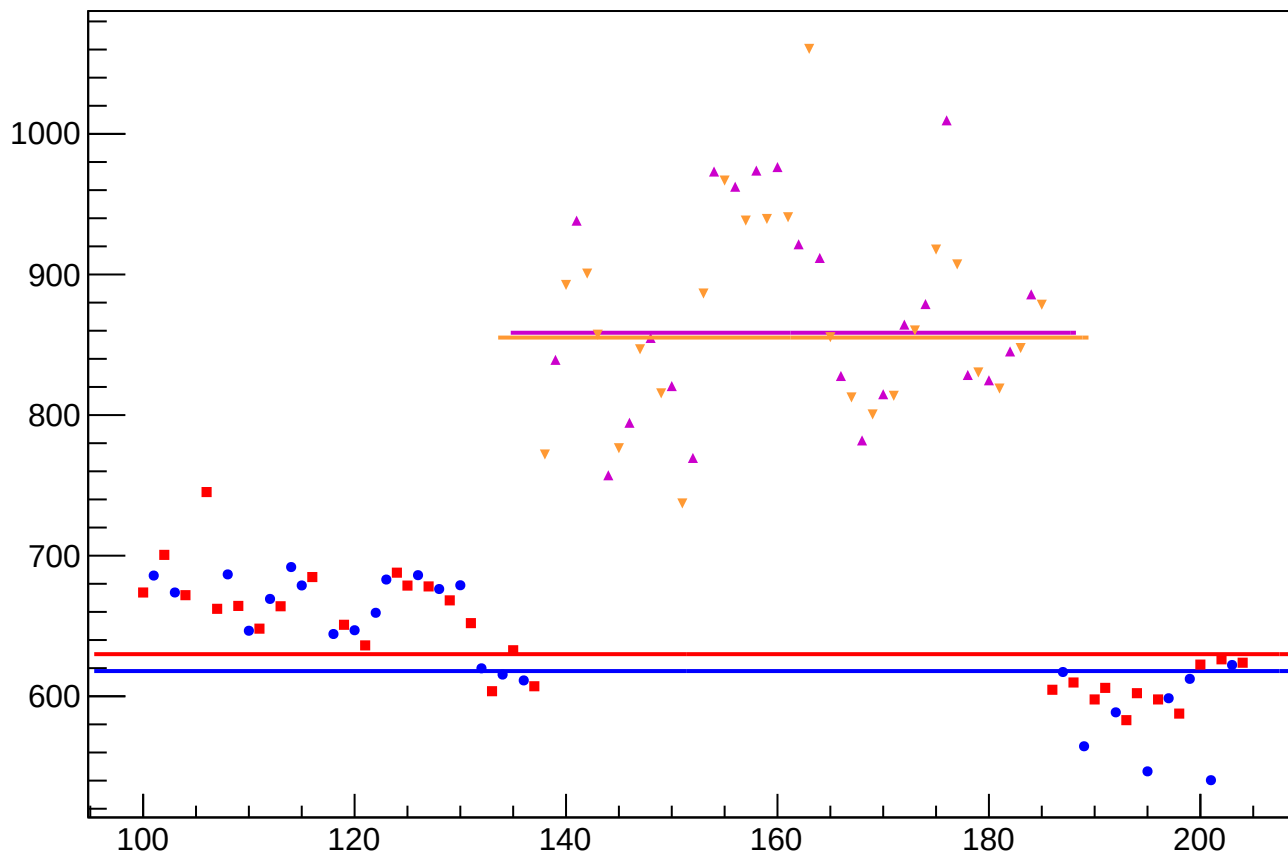
Left In: 25.174 ± 0.207 χ^2/NDF : 3747.1/22

+ sign 8.133 ± 0.133 χ^2/NDF : 27479.9/49

All: 5.764 ± 0.093 χ^2/NDF : 56916.3/102

- sign 3.487 ± 0.130 χ^2/NDF : 28812.4/52

diff_bpm1i04Y_rms vs Slug



Right In: 617.925+/-0.125 χ^2/NDF : 142934.2/24

Left Out: 855.131+/-0.142 χ^2/NDF : 233746.7/24

Right Out: 629.949+/-0.118 χ^2/NDF : 89820.2/29

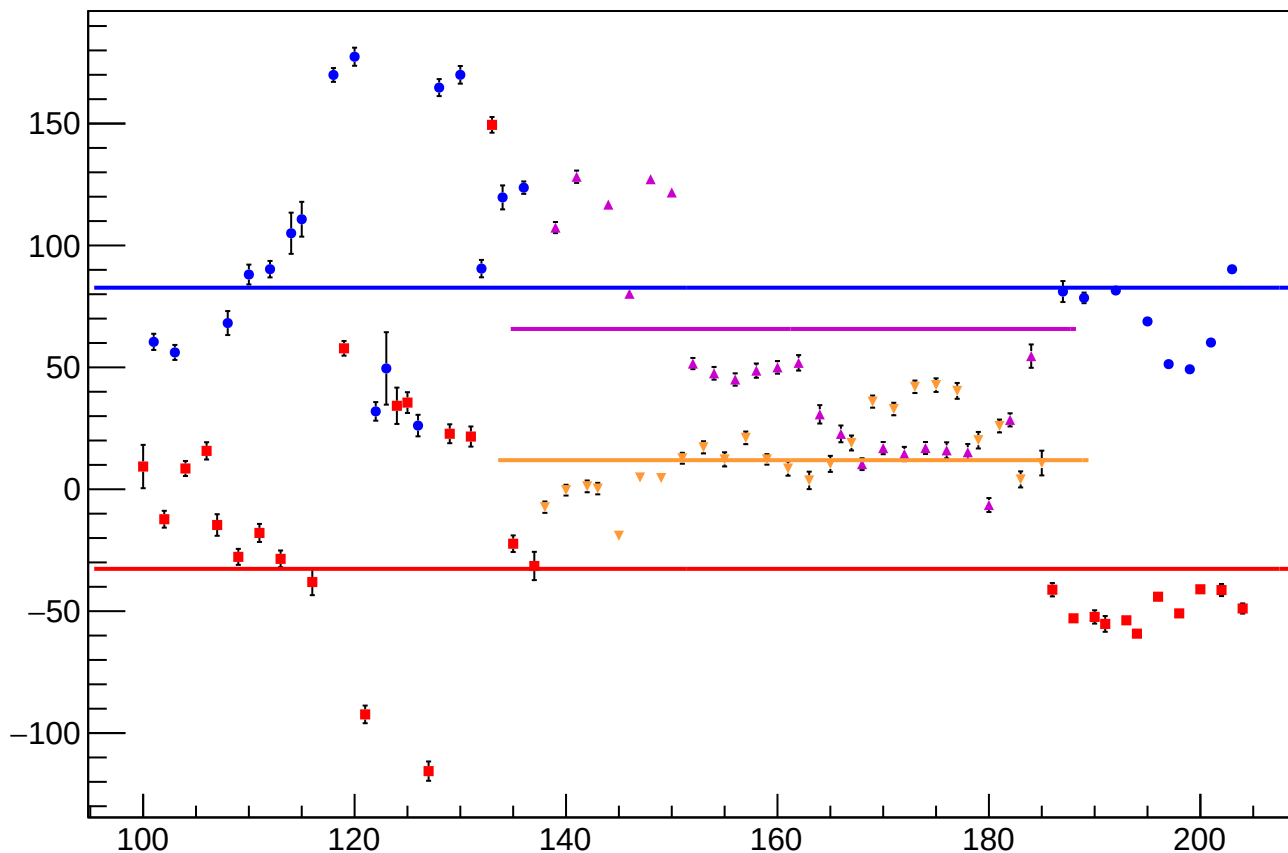
Left In: 858.563+/-0.147 χ^2/NDF : 239019.8/22

+ sign 722.235+/-0.094 χ^2/NDF : 1948414.6/49

All: 721.119+/-0.066 χ^2/NDF : 3750269.3/102

- sign 720.047+/-0.092 χ^2/NDF : 1801577.8/52

diff_bpm1i06X_mean vs Slug



Right In: 82.678 ± 0.551 χ^2/NDF : 4386.2/24

Left Out: 11.938 ± 0.505 χ^2/NDF : 976.6/24

Right Out: -32.634 ± 0.511 χ^2/NDF : 6826.2/29

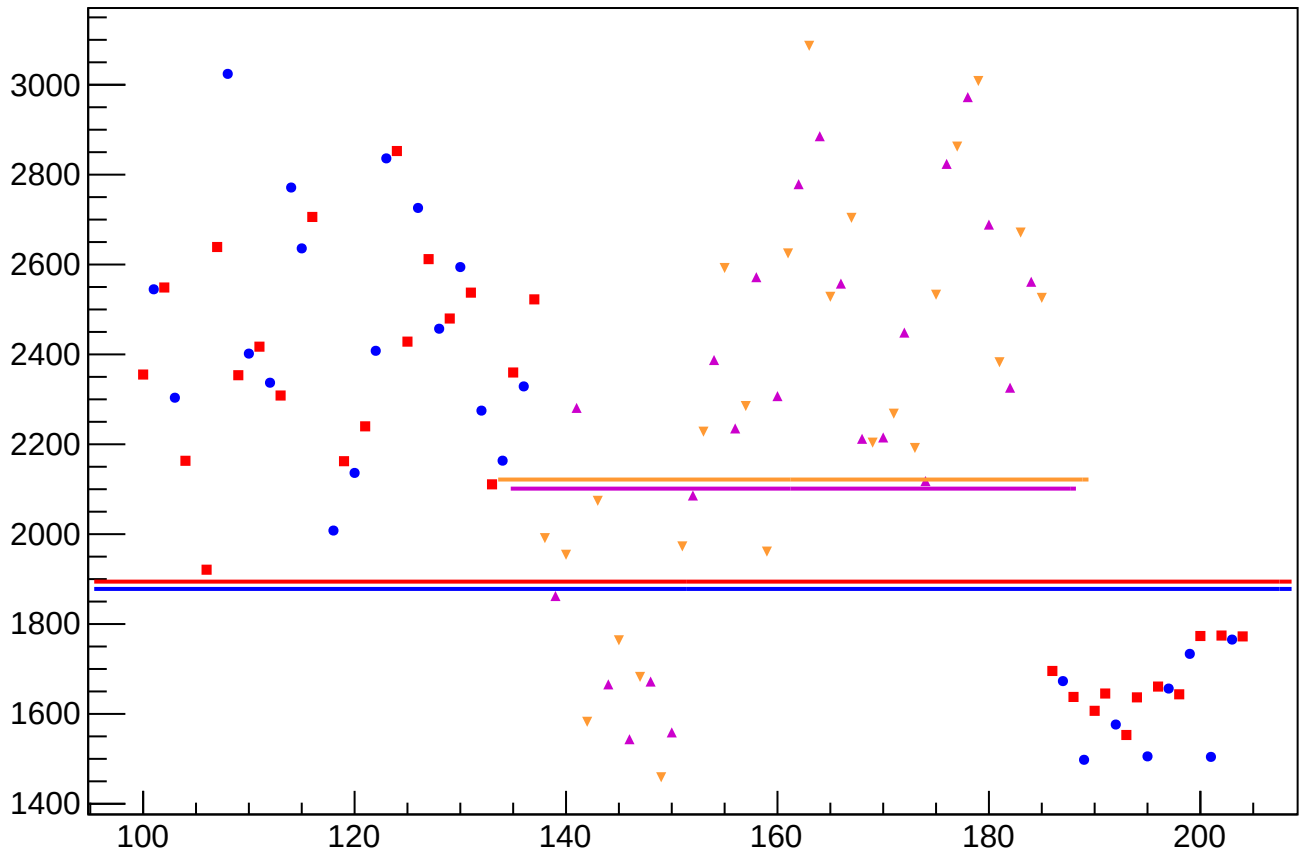
Left In: 65.752 ± 0.518 χ^2/NDF : 7335.8/22

+ sign 44.249 ± 0.372 χ^2/NDF : 14314.2/49

All: 29.772 ± 0.260 χ^2/NDF : 49709.0/102

- sign 15.958 ± 0.364 χ^2/NDF : 32442.2/52

diff_bpm1i06X_rms vs Slug



Right In: 1878.120+/-0.390 χ^2/NDF : 1071908.4/24

Left Out: 2121.567+/-0.357 χ^2/NDF :1387847.6/24

Right Out: 1894.392+/-0.362 χ^2/NDF : 917306.6/29

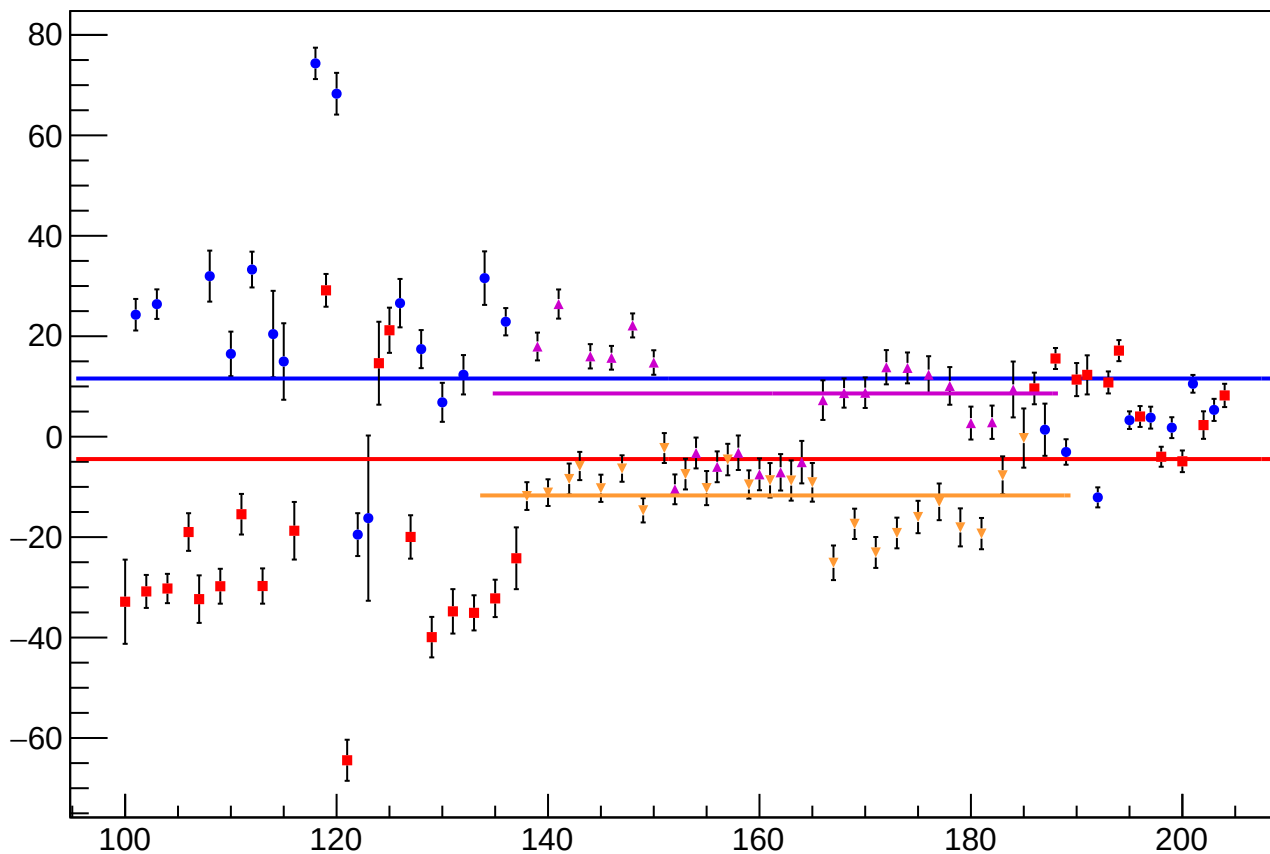
Left In: 2101.325+/-0.366 χ^2/NDF :1360518.3/22

+ sign 2010.371+/-0.263 χ^2/NDF : 2671784.8/49

All: 2003.322+/-0.184 χ^2/NDF : 5112743.8/10

- sign 1996.596+/-0.257 χ^2/NDF : 2439559.1/52

diff_bpm1i06Y_mean vs Slug



Right In: 11.583 ± 0.599 χ^2/NDF : 1031.1/24

Left Out: -11.700 ± 0.625 χ^2/NDF : 85.0/24

Right Out: -4.458 ± 0.568 χ^2/NDF : 1321.2/29

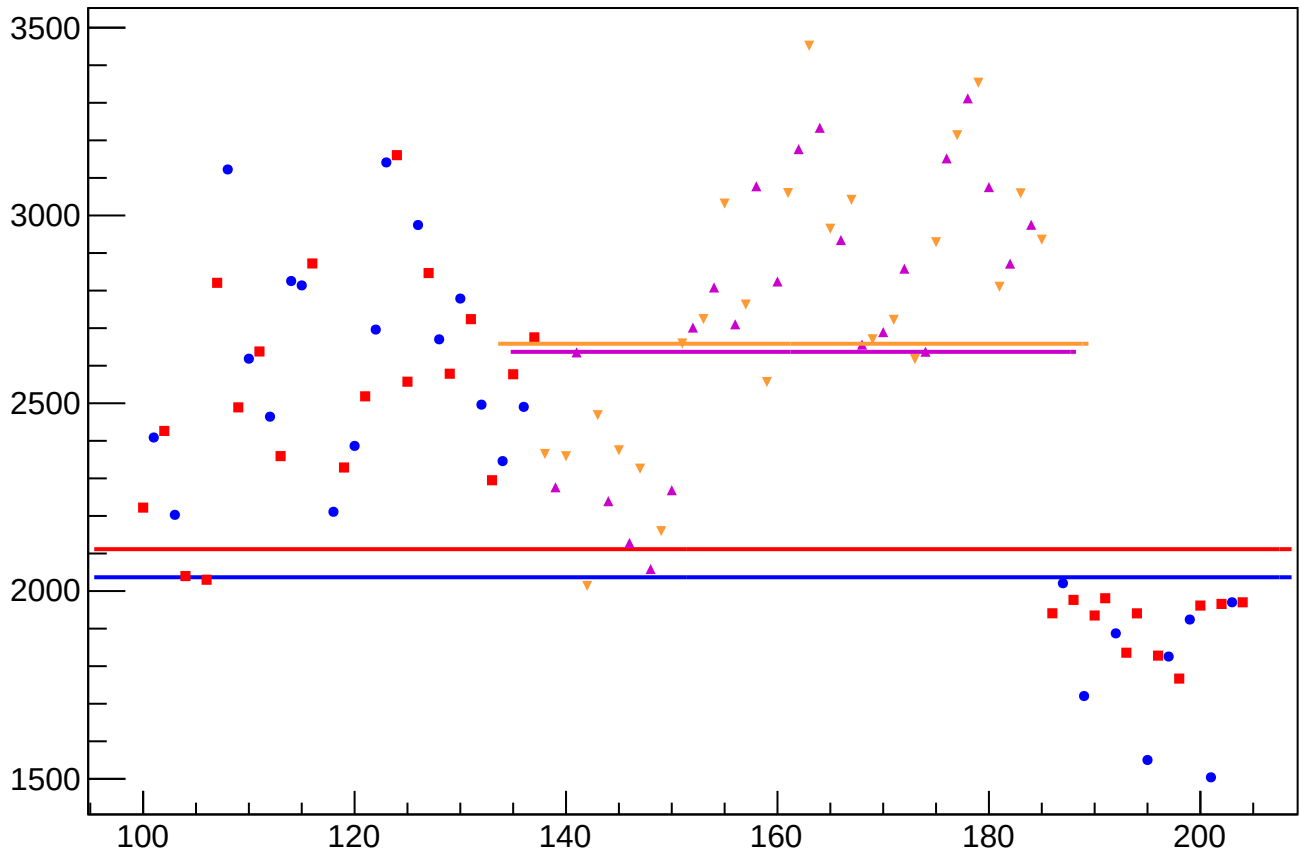
Left In: 8.606 ± 0.642 χ^2/NDF : 264.2/22

+ sign 0.445 ± 0.433 χ^2/NDF : 1839.0/49

All: 0.868 ± 0.303 χ^2/NDF : 3658.6/102

- sign 1.277 ± 0.425 χ^2/NDF : 1817.8/52

diff_bpm1i06Y_rms vs Slug



Right In: 2036.759 $\pm$ 0.424 χ^2 /NDF: 1002754.2/24

Left Out: 2658.486 $\pm$ 0.442 χ^2 /NDF: 618133.8/24

Right Out: 2111.524 $\pm$ 0.402 χ^2 /NDF: 612870.5/29

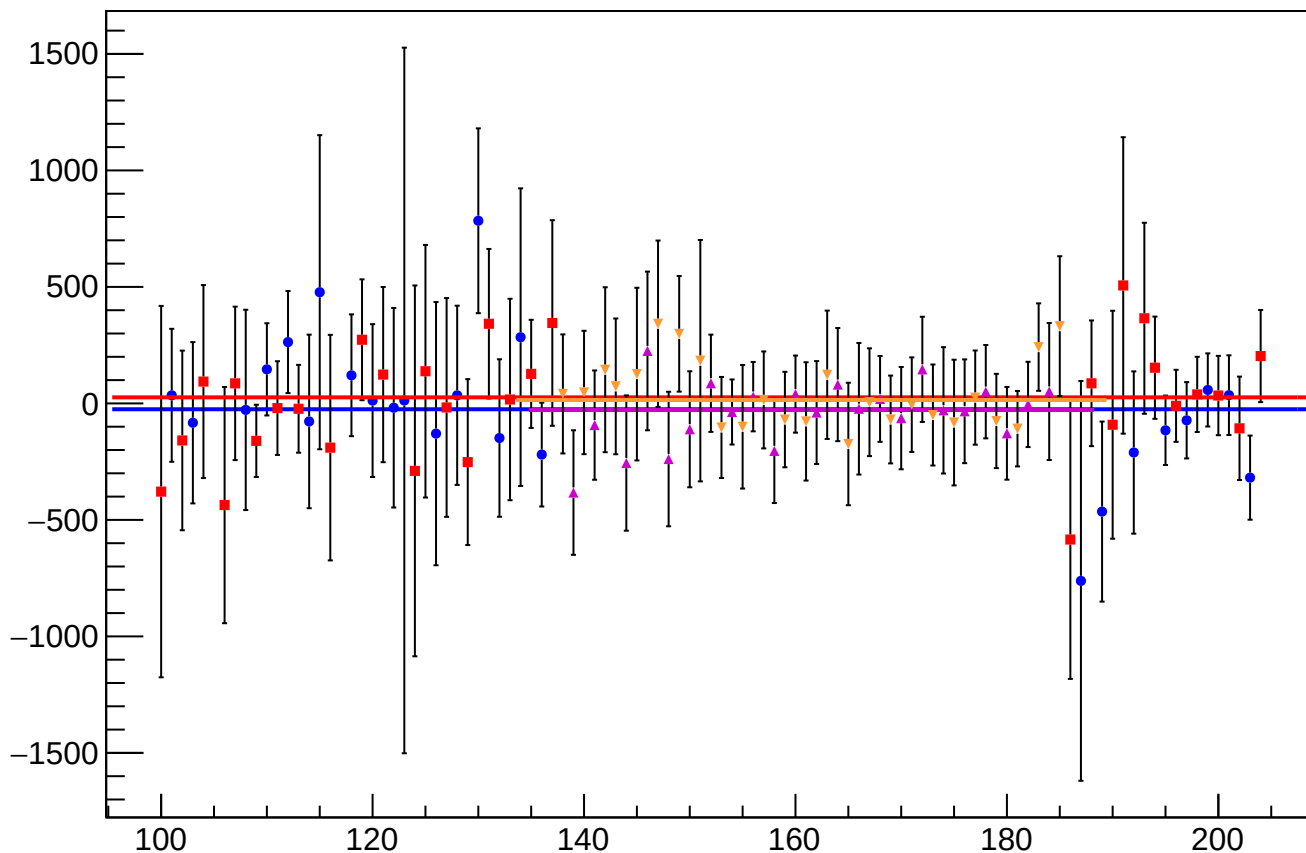
Left In: 2636.885 $\pm$ 0.454 χ^2 /NDF: 652894.5/22

+ sign 2334.186 $\pm$ 0.306 χ^2 /NDF: 2651751.4/49

All: 2338.234 $\pm$ 0.214 χ^2 /NDF: 4669403.4/10

- sign 2342.147 $\pm$ 0.301 χ^2 /NDF: 2017307.6/52

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -25.127 ± 52.462 χ^2/NDF : 14.6/24

Left Out: 14.520 ± 47.528 χ^2/NDF : 7.8/24

Right Out: 25.986 ± 49.111 χ^2/NDF : 10.6/29

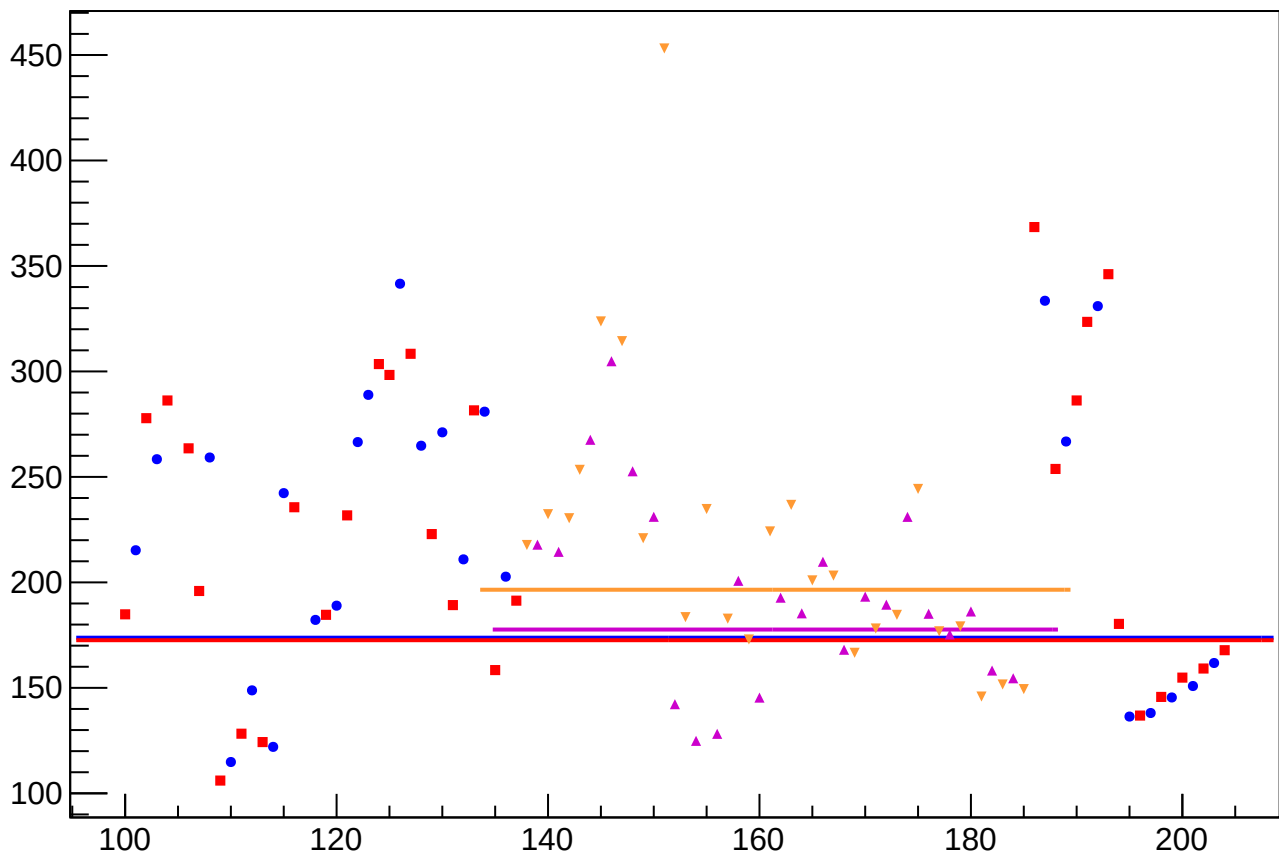
Left In: -28.310 ± 44.638 χ^2/NDF : 6.3/22

+ sign -3.352 ± 35.223 χ^2/NDF : 22.7/49

All: -3.562 ± 24.095 χ^2/NDF : 40.2/102

- sign -3.746 ± 33.032 χ^2/NDF : 17.5/52

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 173.780 $\pm$ 0.037 χ^2 /NDF: 2061543.8/24

Left Out: 196.514 $\pm$ 0.034 χ^2 /NDF:1789504.4/24

Right Out: 172.589 $\pm$ 0.035 χ^2 /NDF: 2740998.0/29

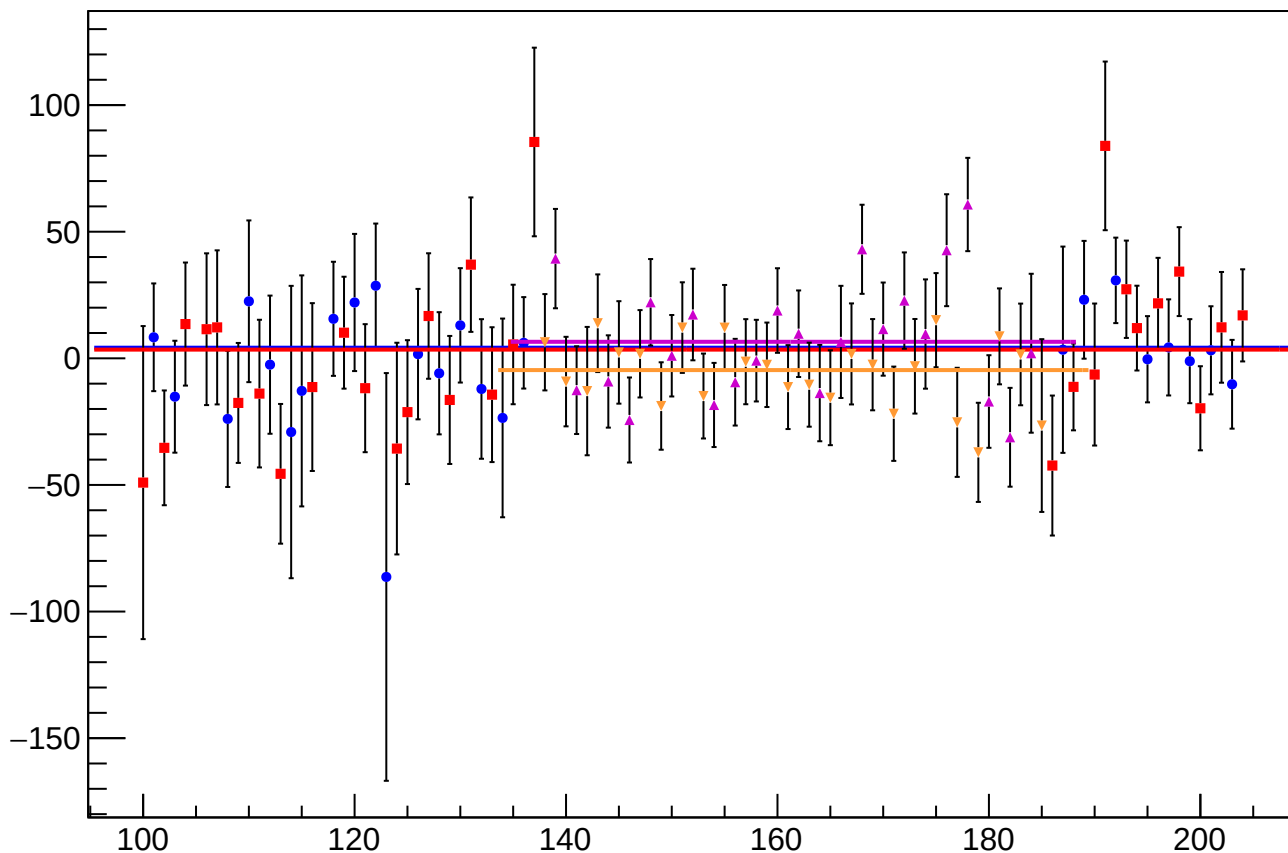
Left In: 177.643 $\pm$ 0.032 χ^2 /NDF:1630664.5/22

+ sign 186.266 $\pm$ 0.025 χ^2 /NDF: 4057317.9/49

All: 180.462 $\pm$ 0.017 χ^2 /NDF: 8542657.5/102

- sign 175.357 $\pm$ 0.023 χ^2 /NDF: 4383260.8/52

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 4.195 ± 4.638 $\chi^2/\text{NDF}: 10.9/24$

Left Out: -4.646 ± 3.728 $\chi^2/\text{NDF}: 12.1/24$

Right Out: 3.436 ± 4.324 $\chi^2/\text{NDF}: 36.4/29$

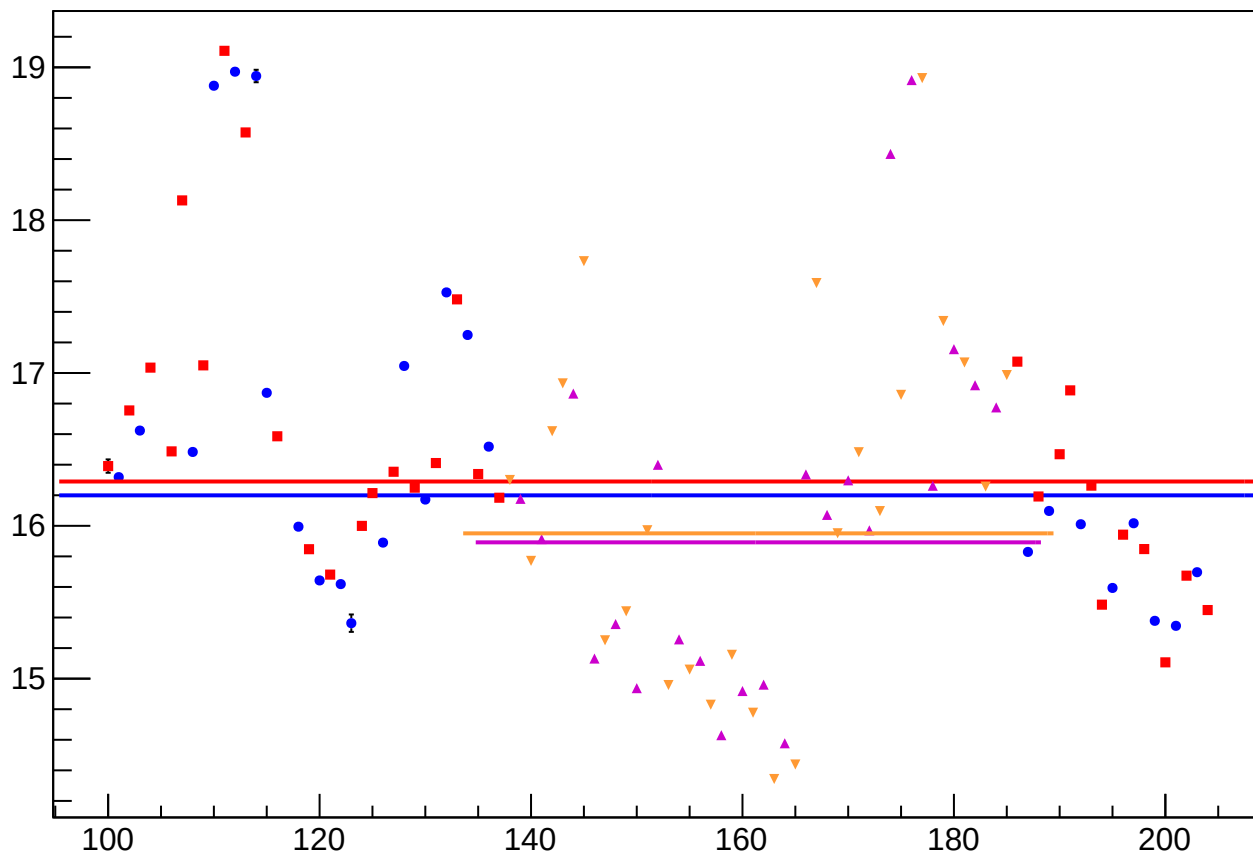
Left In: 6.526 ± 3.828 $\chi^2/\text{NDF}: 36.4/22$

+ sign -1.176 ± 2.906 $\chi^2/\text{NDF}: 25.2/49$

All: 2.040 ± 2.040 $\chi^2/\text{NDF}: 100.6/102$

- sign 5.169 ± 2.866 $\chi^2/\text{NDF}: 73.1/52$

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.199 $\pm$ 0.003 χ^2 /NDF: 67042.5/24

Left Out: 15.951 $\pm$ 0.003 χ^2 /NDF: 173458.5/24

Right Out: 16.290 $\pm$ 0.003 χ^2 /NDF: 75984.8/29

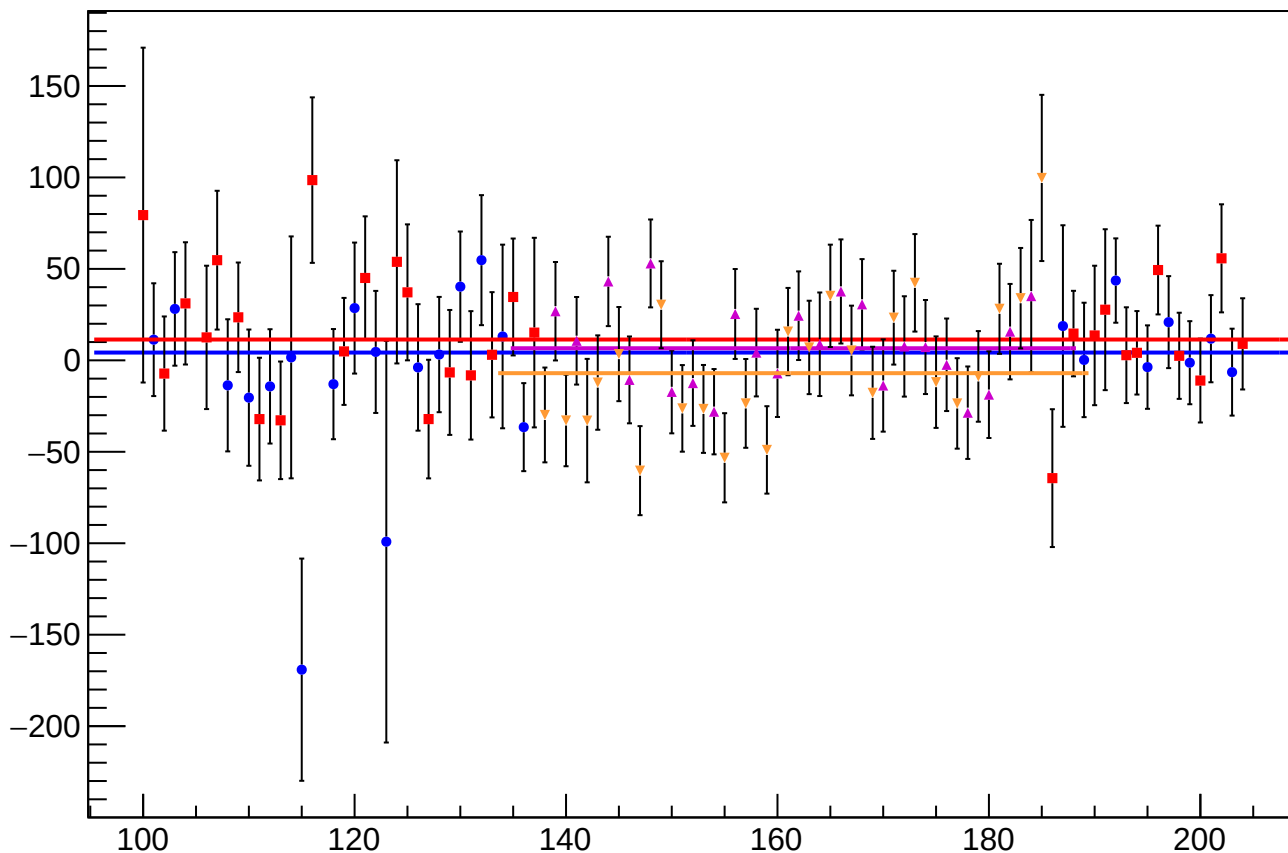
Left In: 15.892 $\pm$ 0.003 χ^2 /NDF: 147093.3/22

+ sign 16.048 $\pm$ 0.002 χ^2 /NDF: 243994.3/49

All: 16.058 $\pm$ 0.001 χ^2 /NDF: 476620.1/102

- sign 16.067 $\pm$ 0.002 χ^2 /NDF: 232584.8/52

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 4.255 ± 6.198 χ^2/NDF : 21.8/24

Left Out: -7.017 ± 5.121 χ^2/NDF : 37.4/24

Right Out: 11.382 ± 5.769 χ^2/NDF : 25.3/29

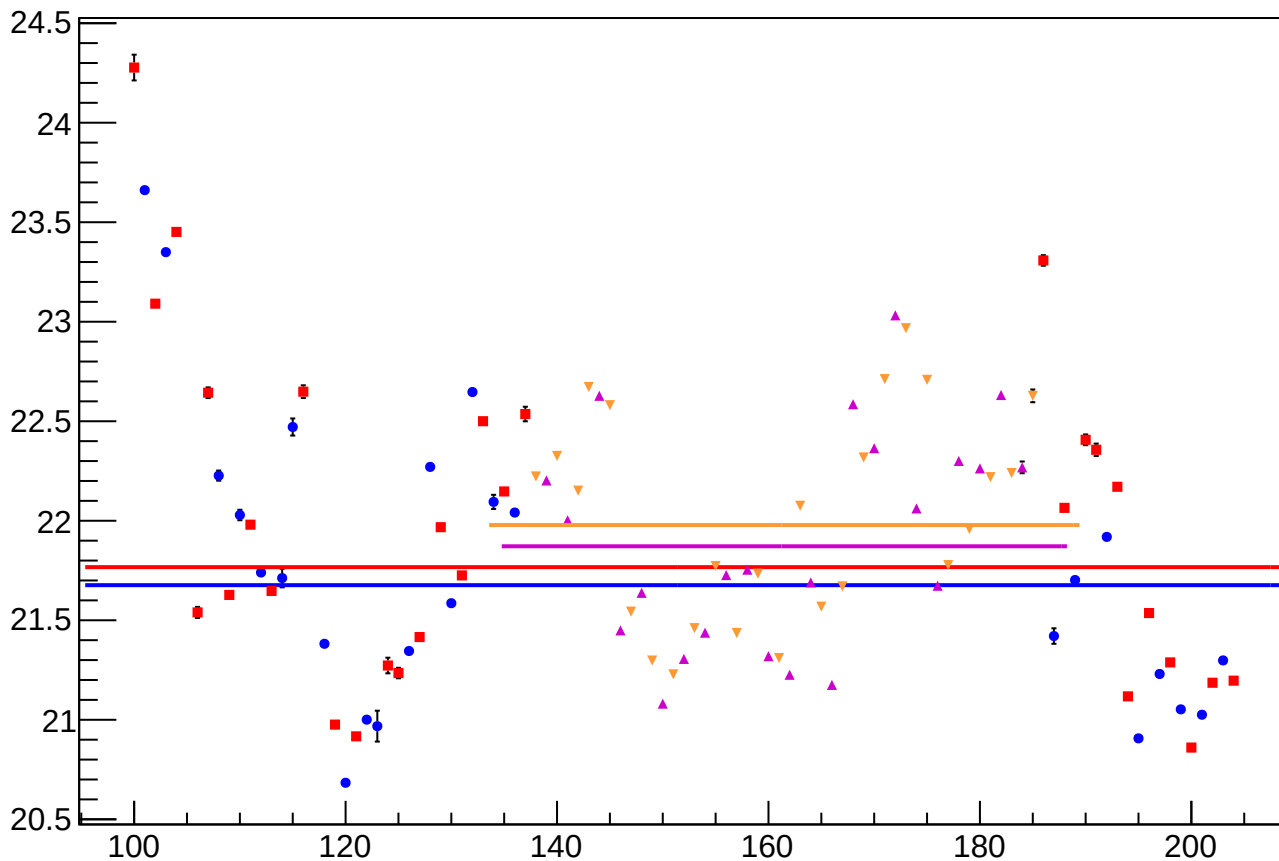
Left In: 6.611 ± 5.251 χ^2/NDF : 19.1/22

+ sign -2.444 ± 3.948 χ^2/NDF : 61.2/49

All: 3.257 ± 2.769 χ^2/NDF : 110.2/102

- sign 8.773 ± 3.883 χ^2/NDF : 44.8/52

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.676 $\pm$ 0.004 χ^2 /NDF: 27411.5/24

Left Out: 21.978 $\pm$ 0.004 χ^2 /NDF: 19430.2/24

Right Out: 21.767 $\pm$ 0.004 χ^2 /NDF: 30120.7/29

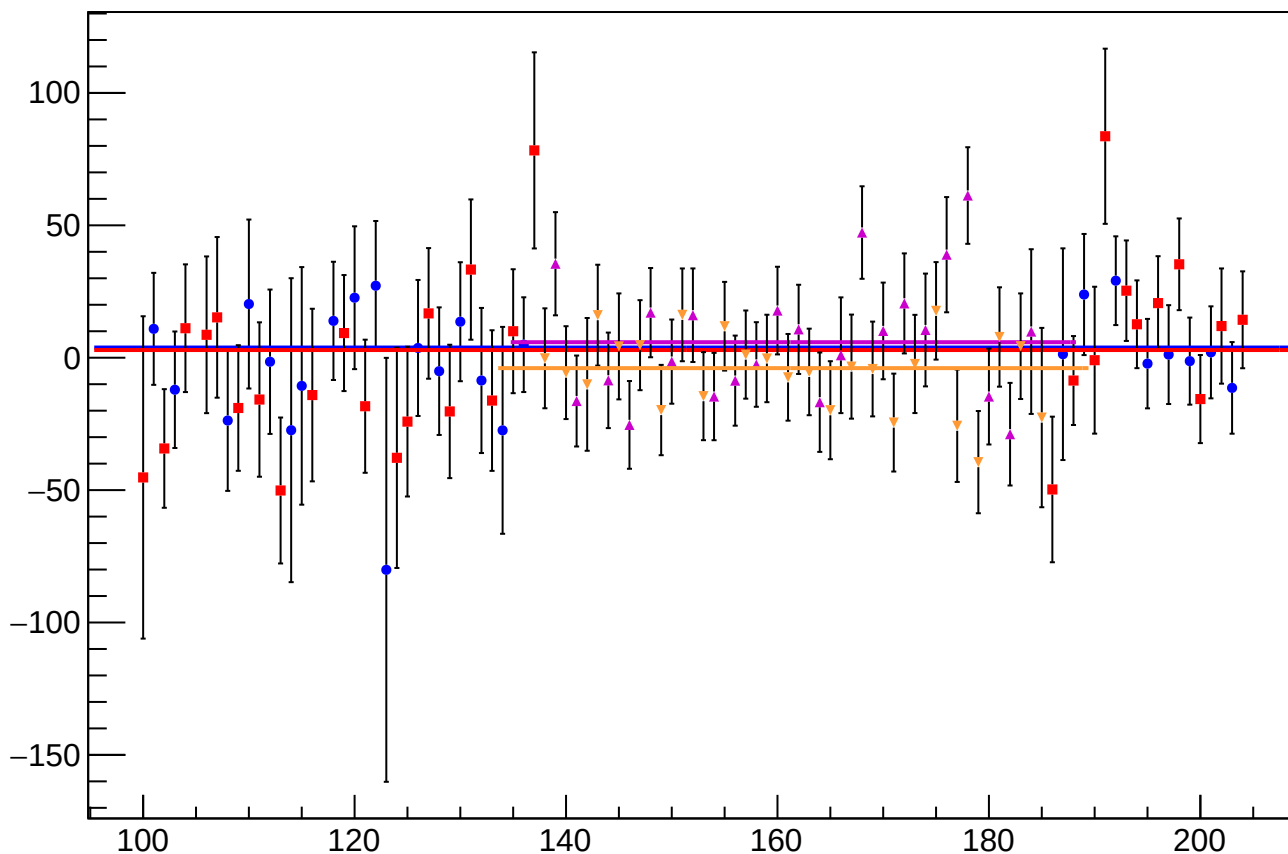
Left In: 21.872 $\pm$ 0.004 χ^2 /NDF: 20524.9/22

+ sign 21.856 $\pm$ 0.003 χ^2 /NDF: 49663.5/49

All: 21.840 $\pm$ 0.002 χ^2 /NDF: 100735.3/102

- sign 21.824 $\pm$ 0.003 χ^2 /NDF: 51006.8/52

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 3.843 ± 4.603 χ^2/NDF : 10.4/24

Left Out: -3.927 ± 3.688 χ^2/NDF : 14.0/24

Right Out: 2.902 ± 4.293 χ^2/NDF : 37.0/29

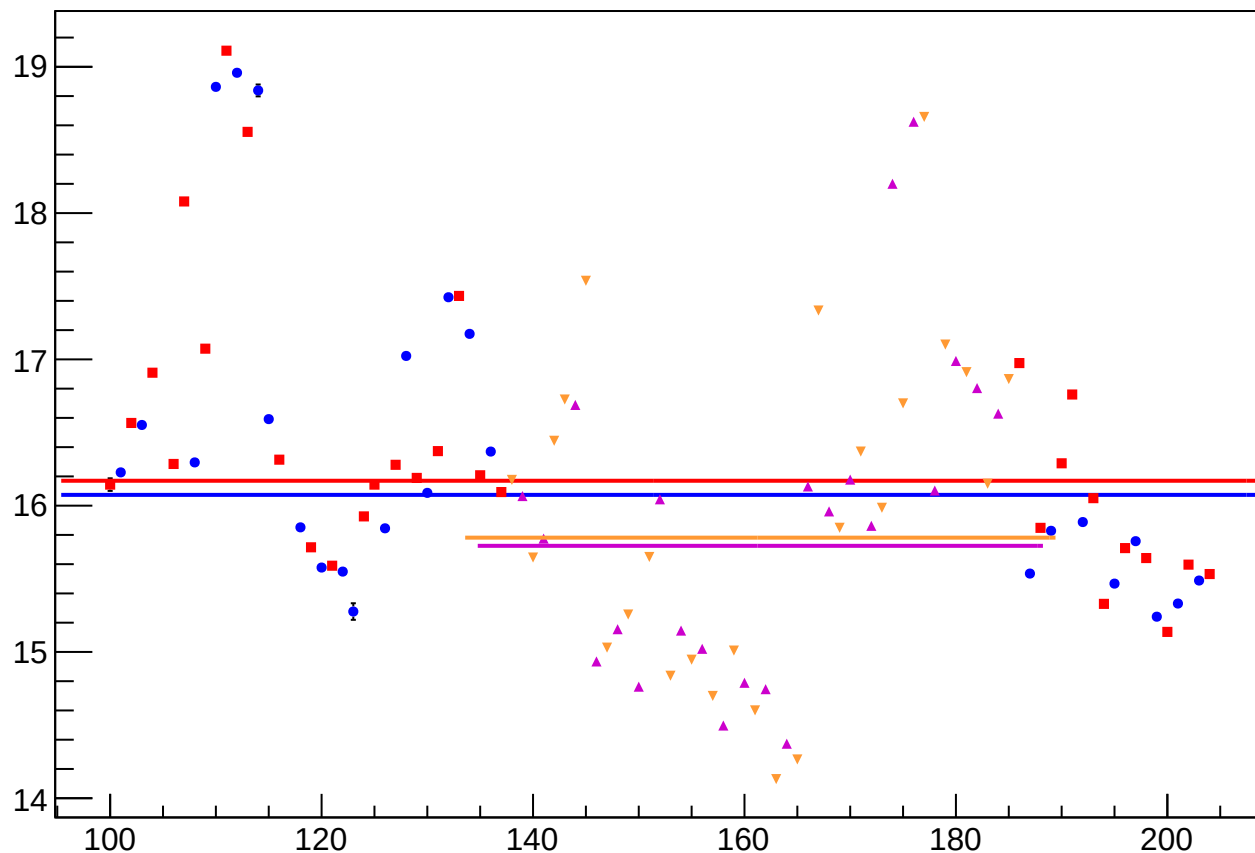
Left In: 5.861 ± 3.787 χ^2/NDF : 36.2/22

+ sign -0.889 ± 2.878 χ^2/NDF : 26.1/49

All: 1.875 ± 2.021 χ^2/NDF : 101.4/102

- sign 4.566 ± 2.840 χ^2/NDF : 73.5/52

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.074 $\pm$ 0.003 χ^2 /NDF: 71115.6/24

Left Out: 15.781 $\pm$ 0.003 χ^2 /NDF: 172894.3/24

Right Out: 16.170 $\pm$ 0.003 χ^2 /NDF: 78503.4/29

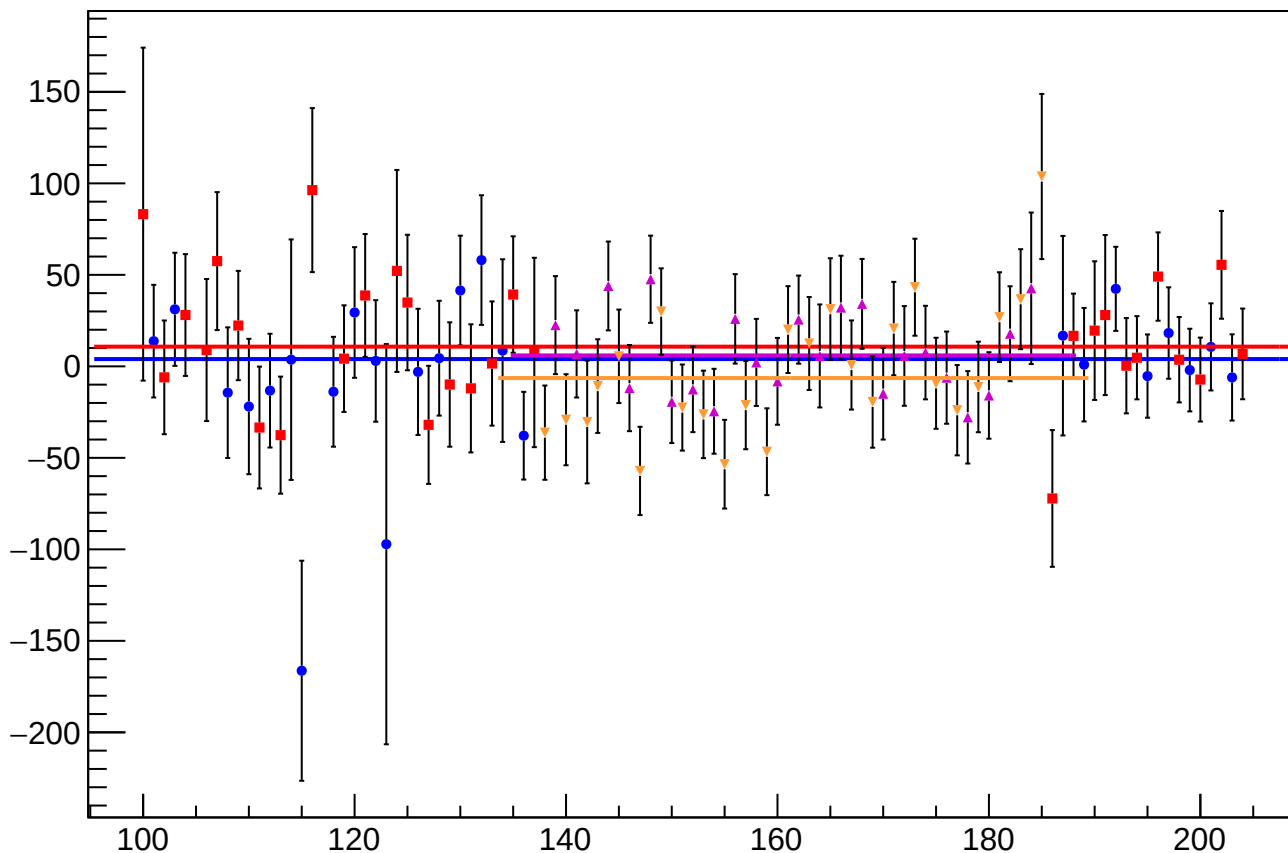
Left In: 15.725 $\pm$ 0.003 χ^2 /NDF: 145830.9/22

+ sign 15.896 $\pm$ 0.002 χ^2 /NDF: 248926.1/49

All: 15.908 $\pm$ 0.001 χ^2 /NDF: 485412.7/102

- sign 15.920 $\pm$ 0.002 χ^2 /NDF: 236413.4/52

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 3.979 ± 6.168 χ^2/NDF : 22.4/24

Left Out: -6.404 ± 5.091 χ^2/NDF : 37.4/24

Right Out: 10.764 ± 5.737 χ^2/NDF : 26.7/29

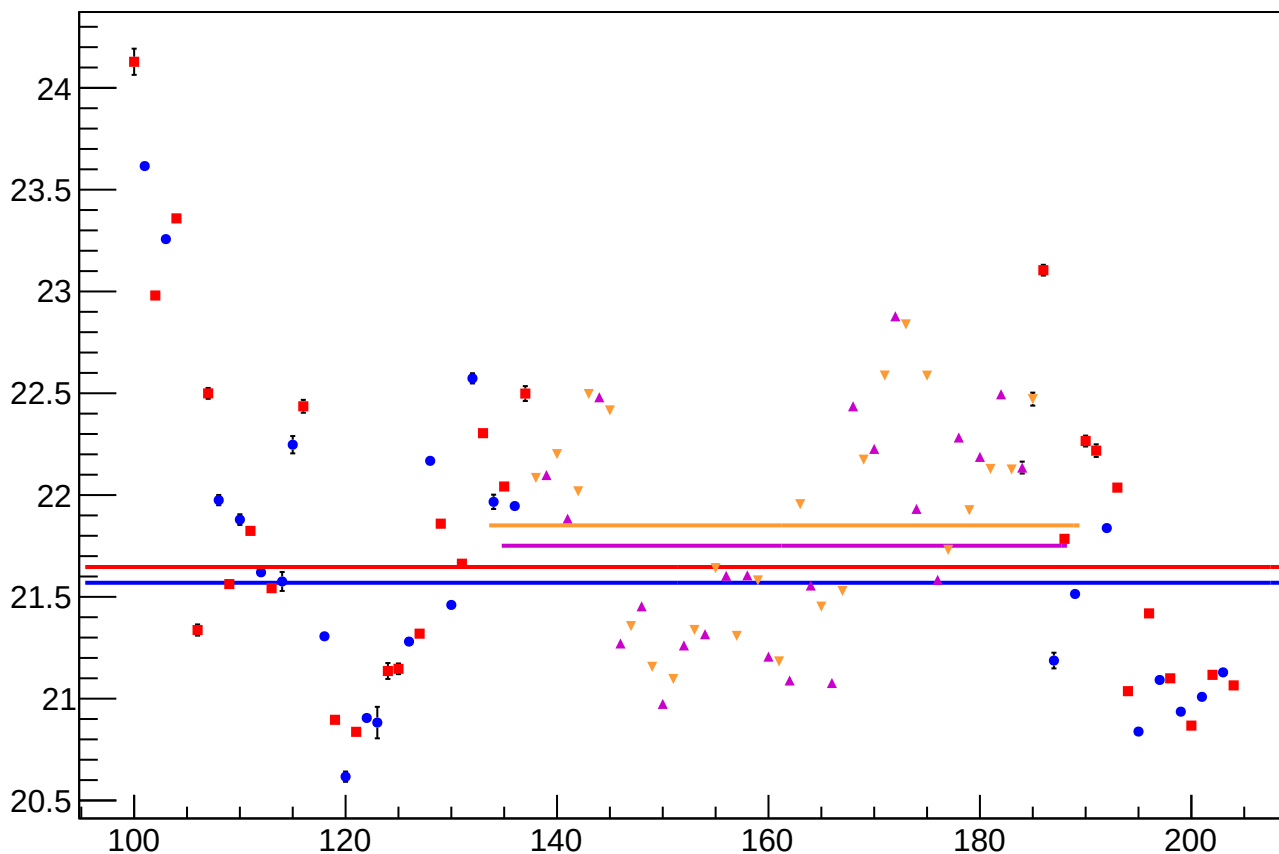
Left In: 5.978 ± 5.222 χ^2/NDF : 18.5/22

+ sign -2.196 ± 3.926 χ^2/NDF : 61.4/49

All: 3.061 ± 2.753 χ^2/NDF : 110.6/102

- sign 8.147 ± 3.862 χ^2/NDF : 45.6/52

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.569 $\pm$ 0.004 χ^2 /NDF: 27601.0/24

Left Out: 21.851 $\pm$ 0.004 χ^2 /NDF:19631.8/24

Right Out: 21.647 $\pm$ 0.004 χ^2 /NDF: 28457.1/29

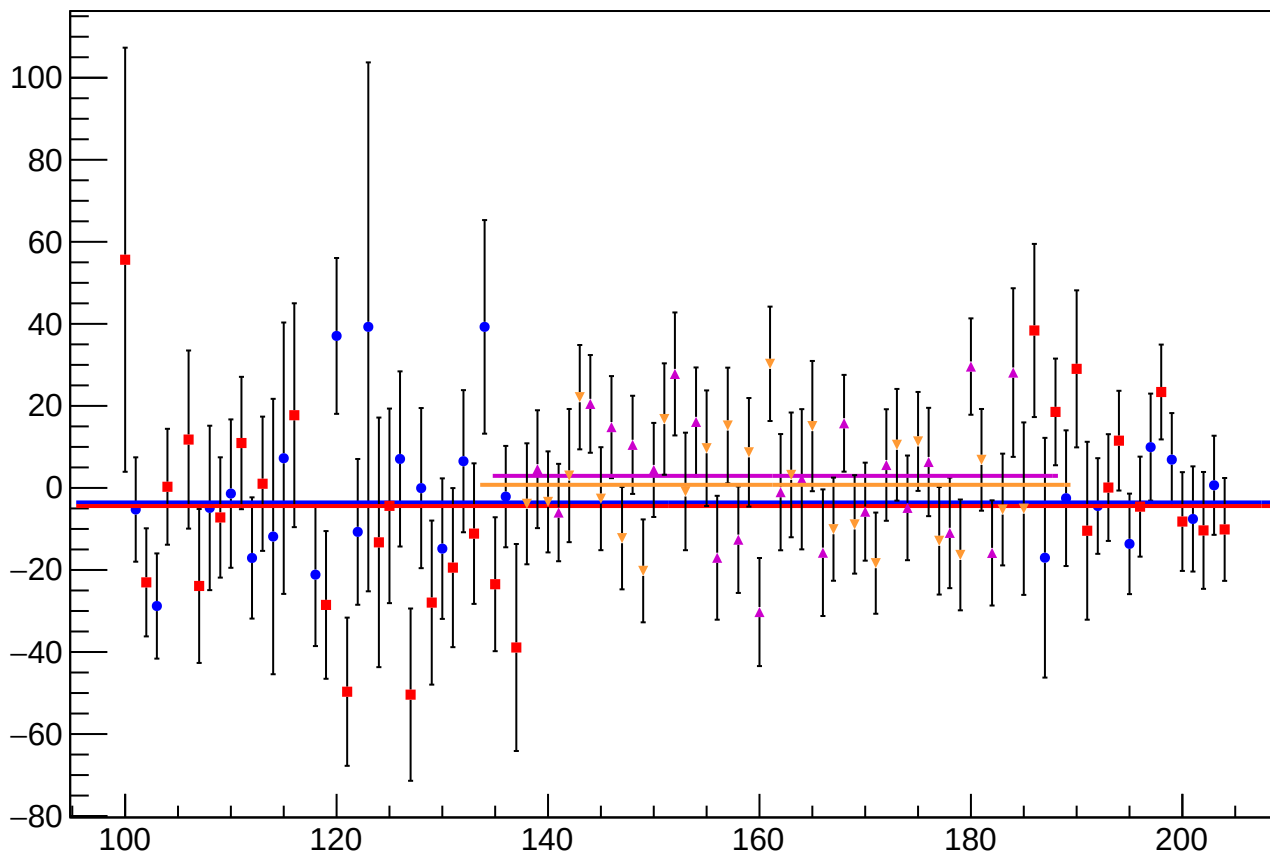
Left In: 21.751 $\pm$ 0.004 χ^2 /NDF:20516.3/22

+ sign 21.737 $\pm$ 0.003 χ^2 /NDF: 49717.2/49

All: 21.720 $\pm$ 0.002 χ^2 /NDF: 99125.2/102

- sign 21.704 $\pm$ 0.003 χ^2 /NDF: 49336.1/52

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.536 ± 3.184 χ^2/NDF : 17.9/24

Left Out: 0.759 ± 2.698 χ^2/NDF : 23.8/24

Right Out: -4.415 ± 2.976 χ^2/NDF : 43.6/29

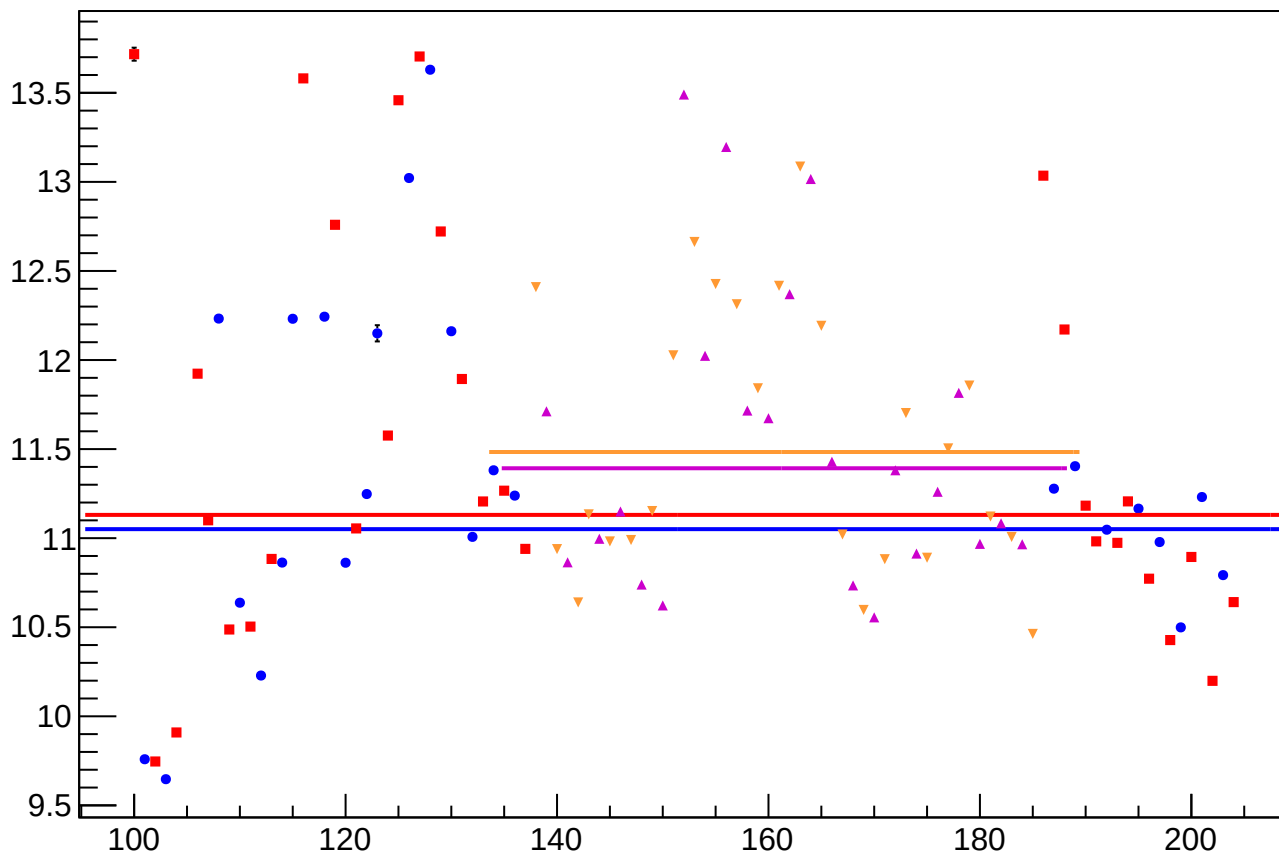
Left In: 2.944 ± 2.757 χ^2/NDF : 30.9/22

+ sign -1.036 ± 2.058 χ^2/NDF : 42.8/49

All: -0.741 ± 1.443 χ^2/NDF : 120.6/102

- sign -0.456 ± 2.023 χ^2/NDF : 77.8/52

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.051 $\pm$ 0.002 χ^2 /NDF: 140241.5/24

Left Out: 11.484 $\pm$ 0.002 χ^2 /NDF:129805.4/24

Right Out: 11.131 $\pm$ 0.002 χ^2 /NDF: 201367.7/29

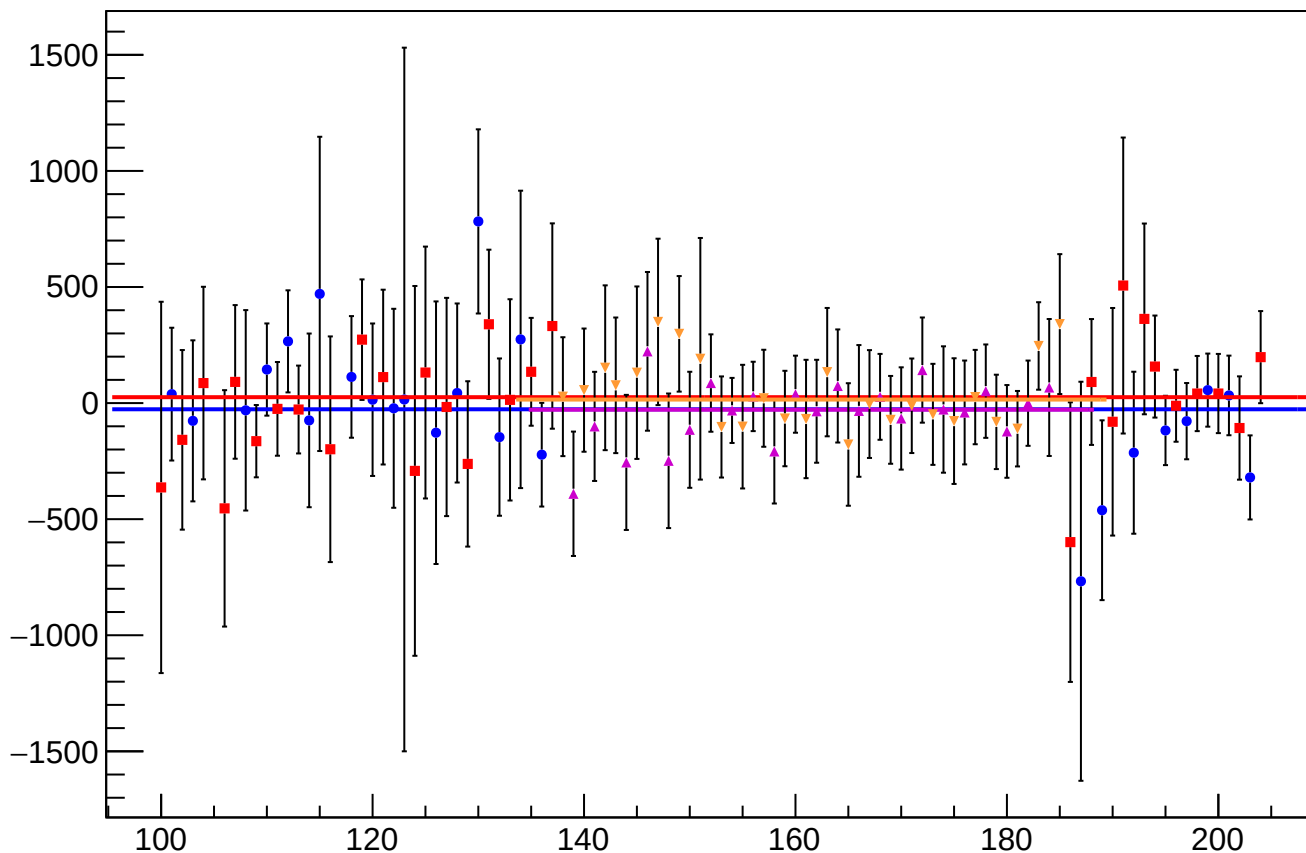
Left In: 11.392 $\pm$ 0.002 χ^2 /NDF:150493.3/22

+ sign 11.303 $\pm$ 0.001 χ^2 /NDF: 291581.0/49

All: 11.287 $\pm$ 0.001 χ^2 /NDF: 651999.6/102

- sign 11.271 $\pm$ 0.001 χ^2 /NDF: 360184.6/52

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -26.680 ± 52.599 χ^2/NDF : 14.6/24

Left Out: 15.130 ± 47.705 χ^2/NDF : 8.0/24

Right Out: 25.412 ± 49.246 χ^2/NDF : 10.7/29

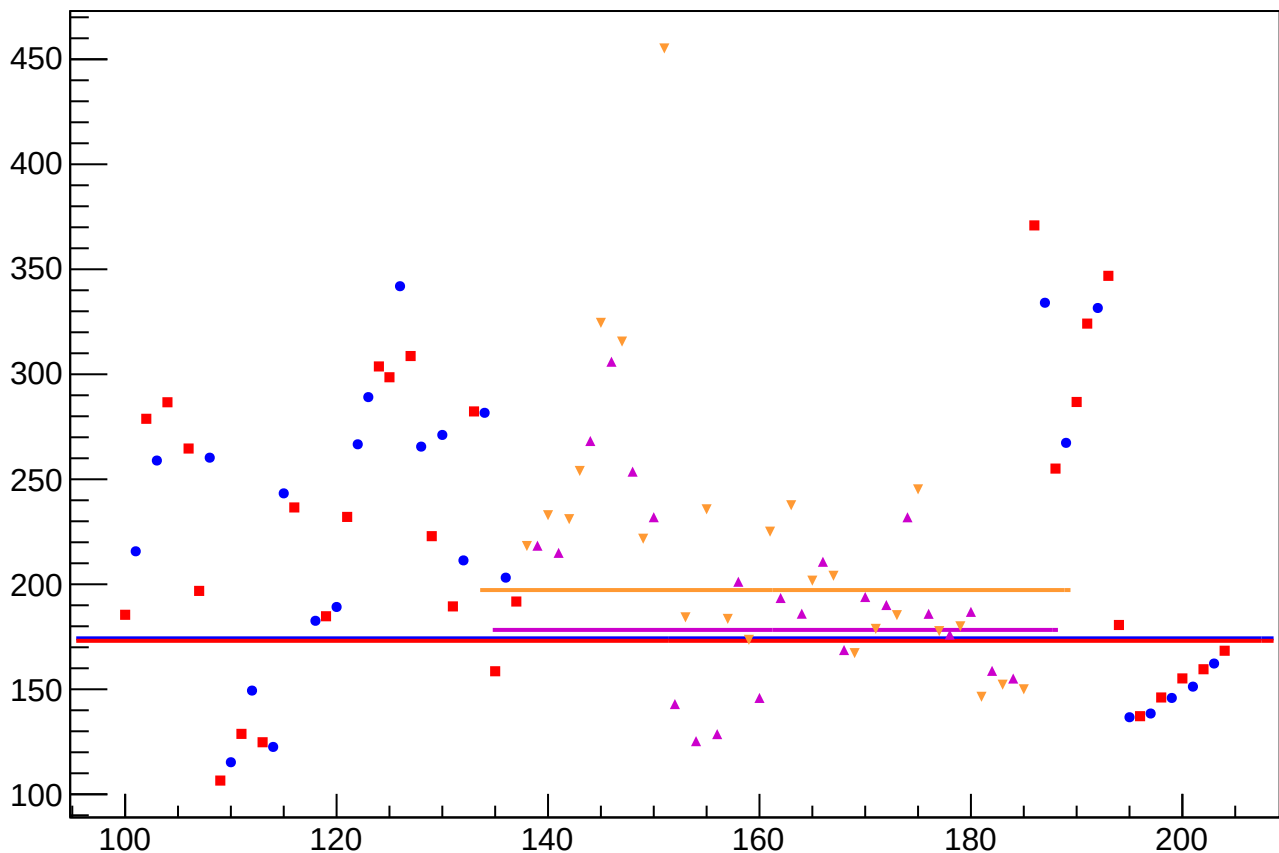
Left In: -28.500 ± 44.797 χ^2/NDF : 6.4/22

+ sign -3.740 ± 35.336 χ^2/NDF : 22.9/49

All: -3.926 ± 24.172 χ^2/NDF : 40.6/102

- sign -4.089 ± 33.138 χ^2/NDF : 17.7/52

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 174.256+/-0.037 χ^2/NDF : 2056155.0/24

Left Out: 197.249+/-0.034 χ^2/NDF : 1786808.1/24

Right Out: 173.081+/-0.035 χ^2/NDF : 2736934.4/29

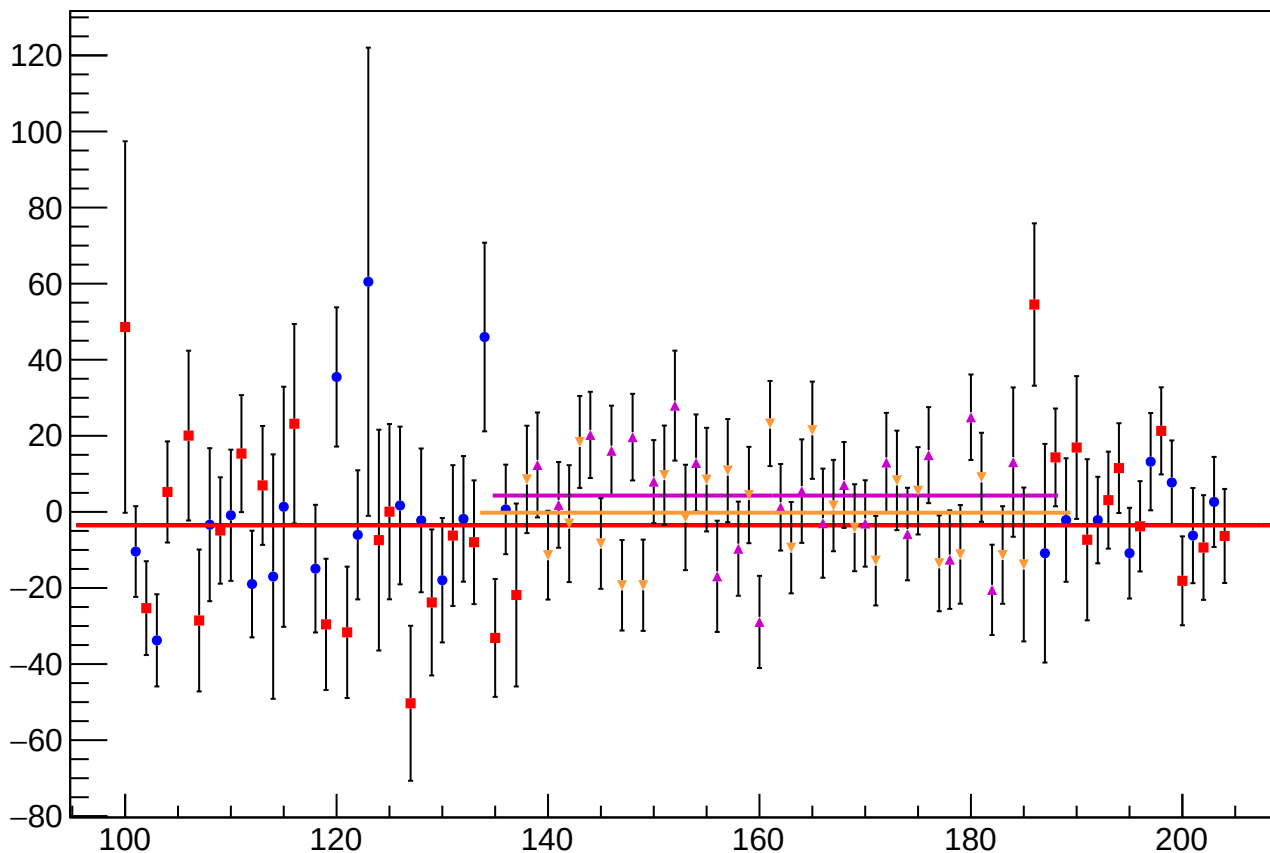
Left In: 178.277+/-0.032 χ^2/NDF : 1628916.6/22

+ sign 186.872+/-0.025 χ^2/NDF : 4052667.0/49

All: 181.047+/-0.017 χ^2/NDF : 8532845.2/102

- sign 175.924+/-0.023 χ^2/NDF : 4378036.3/52

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -3.459 ± 3.072 $\chi^2/\text{NDF}: 22.6/24$

Left Out: -0.211 ± 2.523 $\chi^2/\text{NDF}: 24.5/24$

Right Out: -3.554 ± 2.881 $\chi^2/\text{NDF}: 45.2/29$

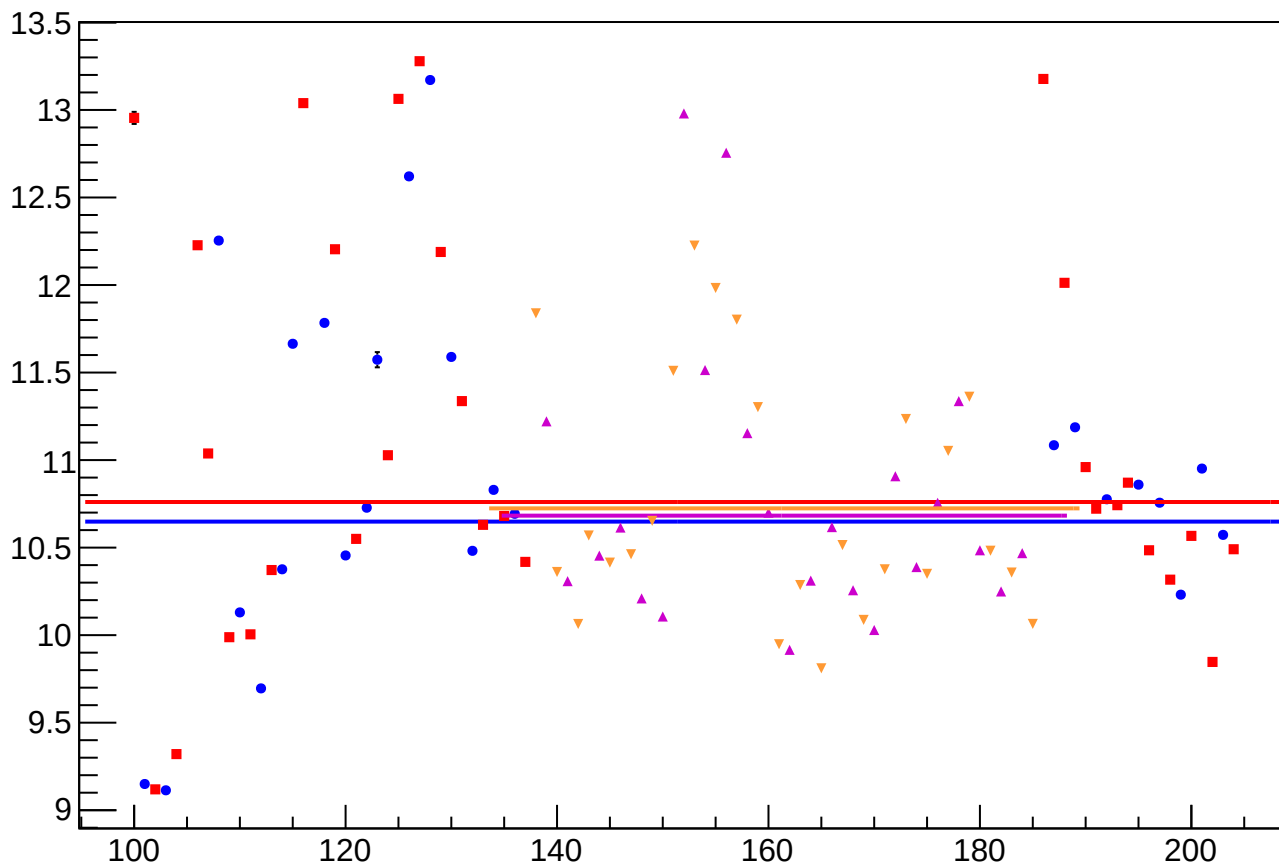
Left In: 4.298 ± 2.589 $\chi^2/\text{NDF}: 31.6/22$

+ sign -1.519 ± 1.950 $\chi^2/\text{NDF}: 47.8/49$

All: -0.351 ± 1.370 $\chi^2/\text{NDF}: 129.4/102$

- sign 0.789 ± 1.926 $\chi^2/\text{NDF}: 80.9/52$

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.649 $\pm$ 0.002 χ^2 /NDF: 168057.7/24

Left Out: 10.724 $\pm$ 0.002 χ^2 /NDF: 132558.9/24

Right Out: 10.761 $\pm$ 0.002 χ^2 /NDF: 237373.5/29

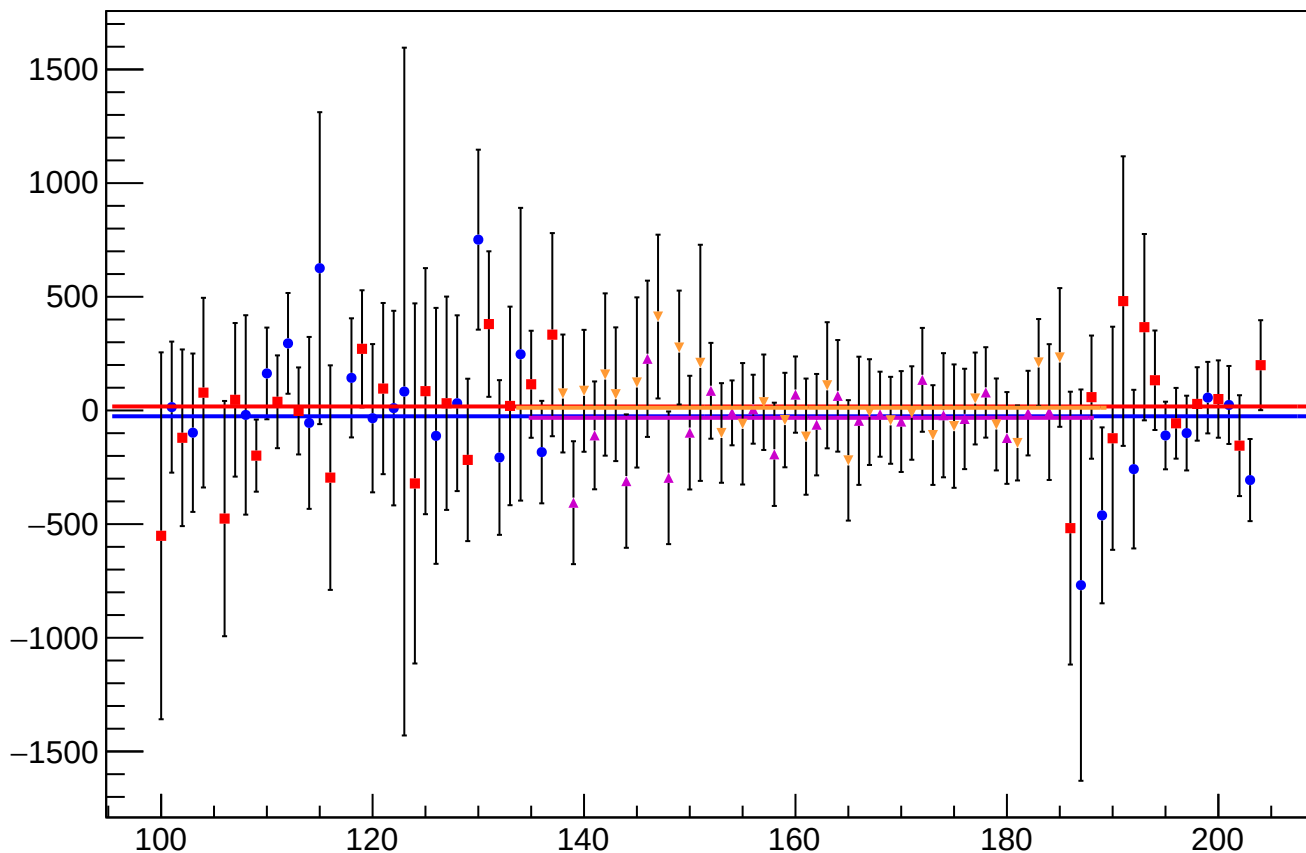
Left In: 10.683 $\pm$ 0.002 χ^2 /NDF: 147835.6/22

+ sign 10.694 $\pm$ 0.001 χ^2 /NDF: 301340.4/49

All: 10.706 $\pm$ 0.001 χ^2 /NDF: 687509.1/102

- sign 10.717 $\pm$ 0.001 χ^2 /NDF: 386018.8/52

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -25.693 ± 52.713 χ^2/NDF : 15.0/24

Left Out: 11.891 ± 48.022 χ^2/NDF : 7.6/24

Right Out: 17.519 ± 49.446 χ^2/NDF : 11.6/29

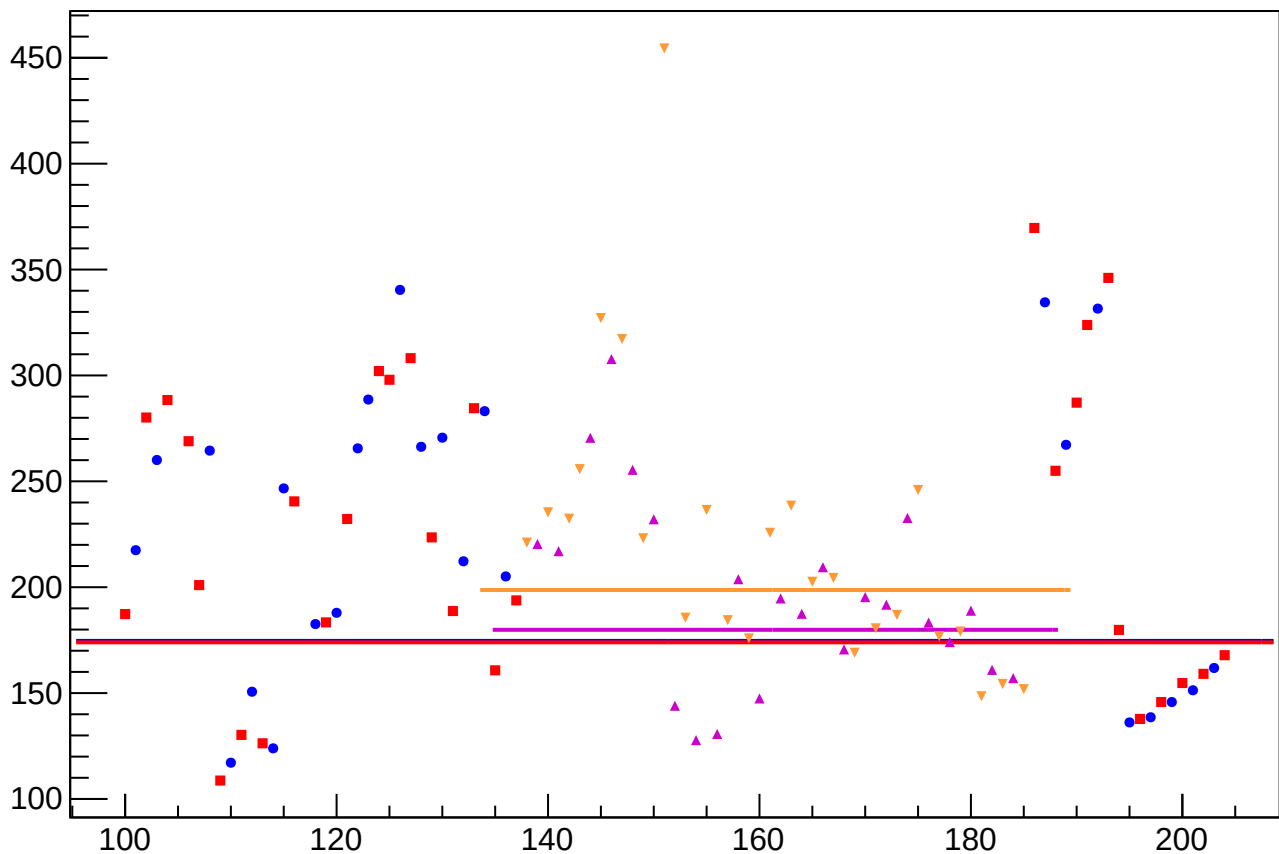
Left In: -32.413 ± 45.155 χ^2/NDF : 6.9/22

+ sign -5.155 ± 35.500 χ^2/NDF : 22.9/49

All: -7.573 ± 24.304 χ^2/NDF : 41.9/102

- sign -9.707 ± 33.343 χ^2/NDF : 19.0/52

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 174.643 $\pm$ 0.037 χ^2 /NDF: 2053205.7/24

Left Out: 198.695 $\pm$ 0.034 χ^2 /NDF:1759311.9/24

Right Out: 173.968 $\pm$ 0.035 χ^2 /NDF: 2691781.8/29

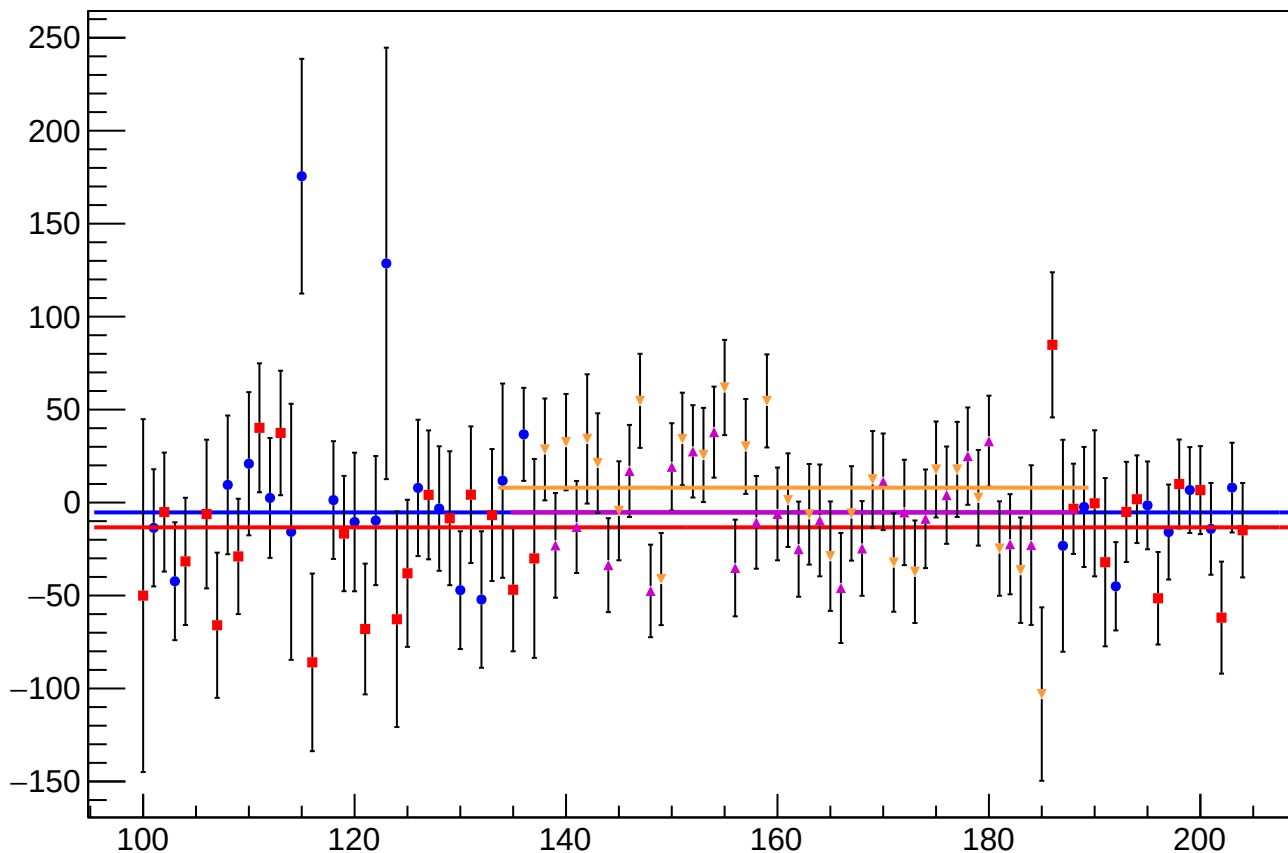
Left In: 179.886 $\pm$ 0.032 χ^2 /NDF:1580636.4/22

+ sign 187.786 $\pm$ 0.025 χ^2 /NDF: 4040063.1/49

All: 182.159 $\pm$ 0.017 χ^2 /NDF: 8422692.2/102

- sign 177.195 $\pm$ 0.024 χ^2 /NDF: 4288043.1/52

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.295 ± 6.405 χ^2/NDF : 22.0/24

Left Out: 8.004 ± 5.334 χ^2/NDF : 37.4/24

Right Out: -13.327 ± 5.968 χ^2/NDF : 28.7/29

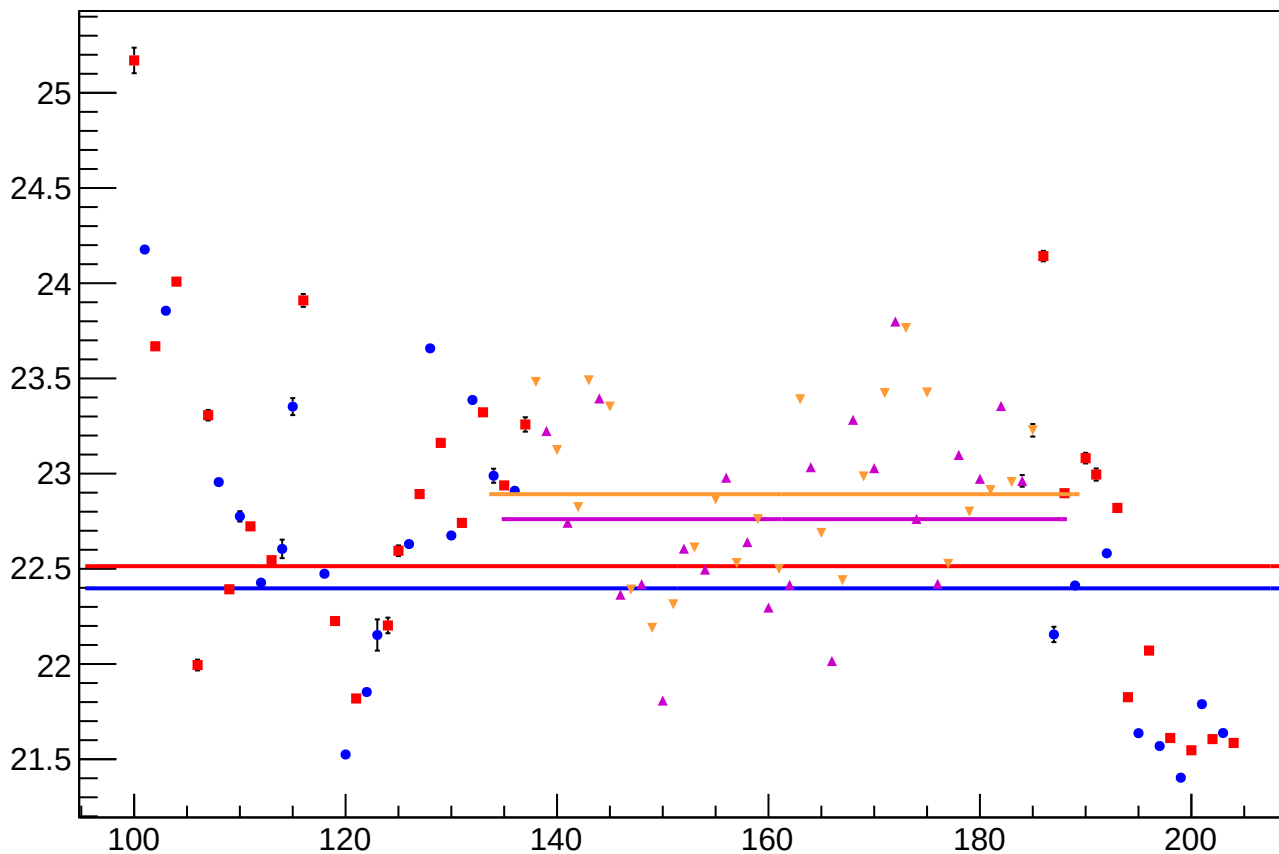
Left In: -5.261 ± 5.465 χ^2/NDF : 20.8/22

+ sign 2.558 ± 4.099 χ^2/NDF : 62.0/49

All: -3.288 ± 2.874 χ^2/NDF : 116.4/102

- sign -8.940 ± 4.030 χ^2/NDF : 50.5/52

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.397 $\pm$ 0.005 χ^2 /NDF: 30189.3/24

Left Out: 22.892 $\pm$ 0.004 χ^2 /NDF:12995.5/24

Right Out: 22.514 $\pm$ 0.004 χ^2 /NDF: 32593.8/29

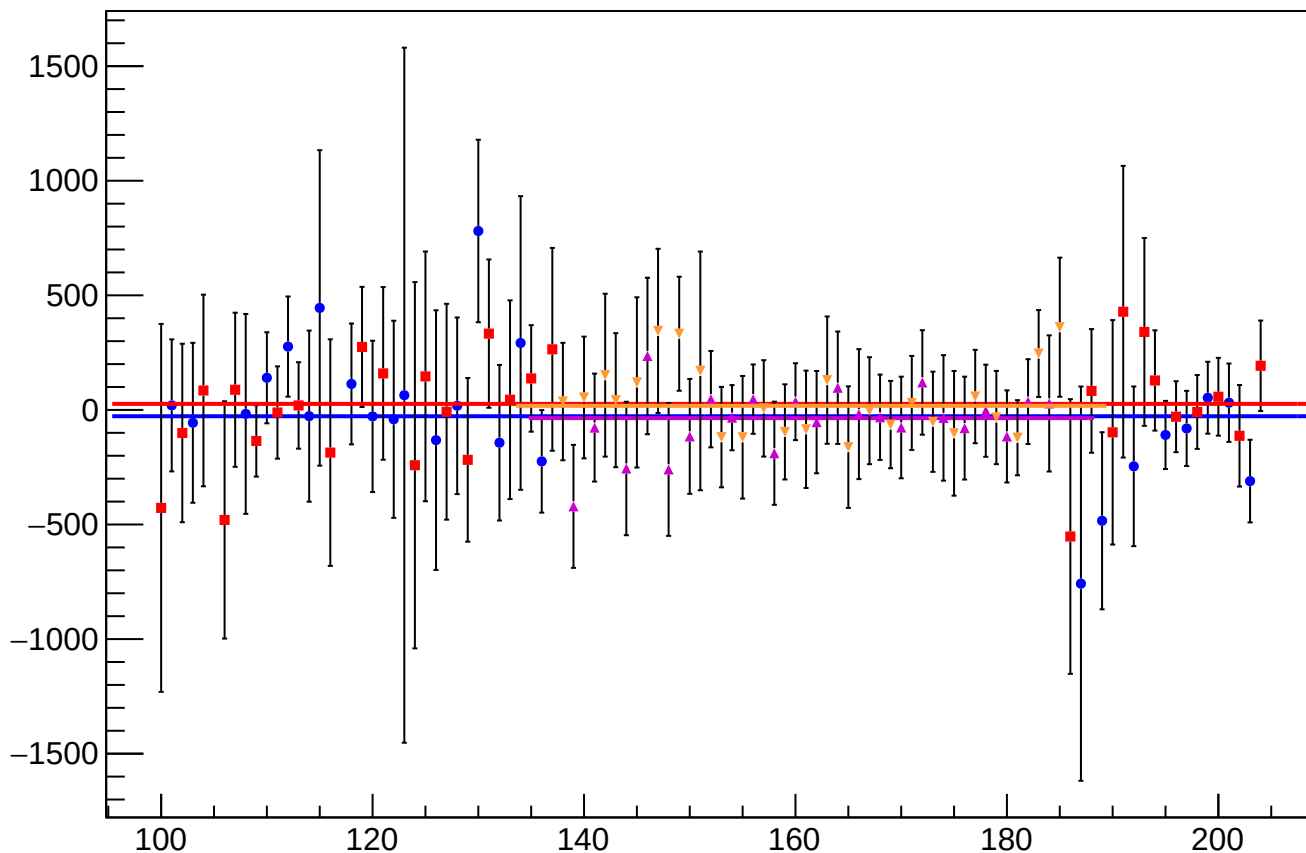
Left In: 22.761 $\pm$ 0.004 χ^2 /NDF:14550.0/22

+ sign 22.689 $\pm$ 0.003 χ^2 /NDF: 50224.4/49

All: 22.668 $\pm$ 0.002 χ^2 /NDF: 99336.6/102

- sign 22.648 $\pm$ 0.003 χ^2 /NDF: 49009.5/52

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -27.618 ± 52.559 χ^2/NDF : 14.5/24

Left Out: 17.777 ± 47.941 χ^2/NDF : 8.5/24

Right Out: 26.373 ± 49.211 χ^2/NDF : 9.4/29

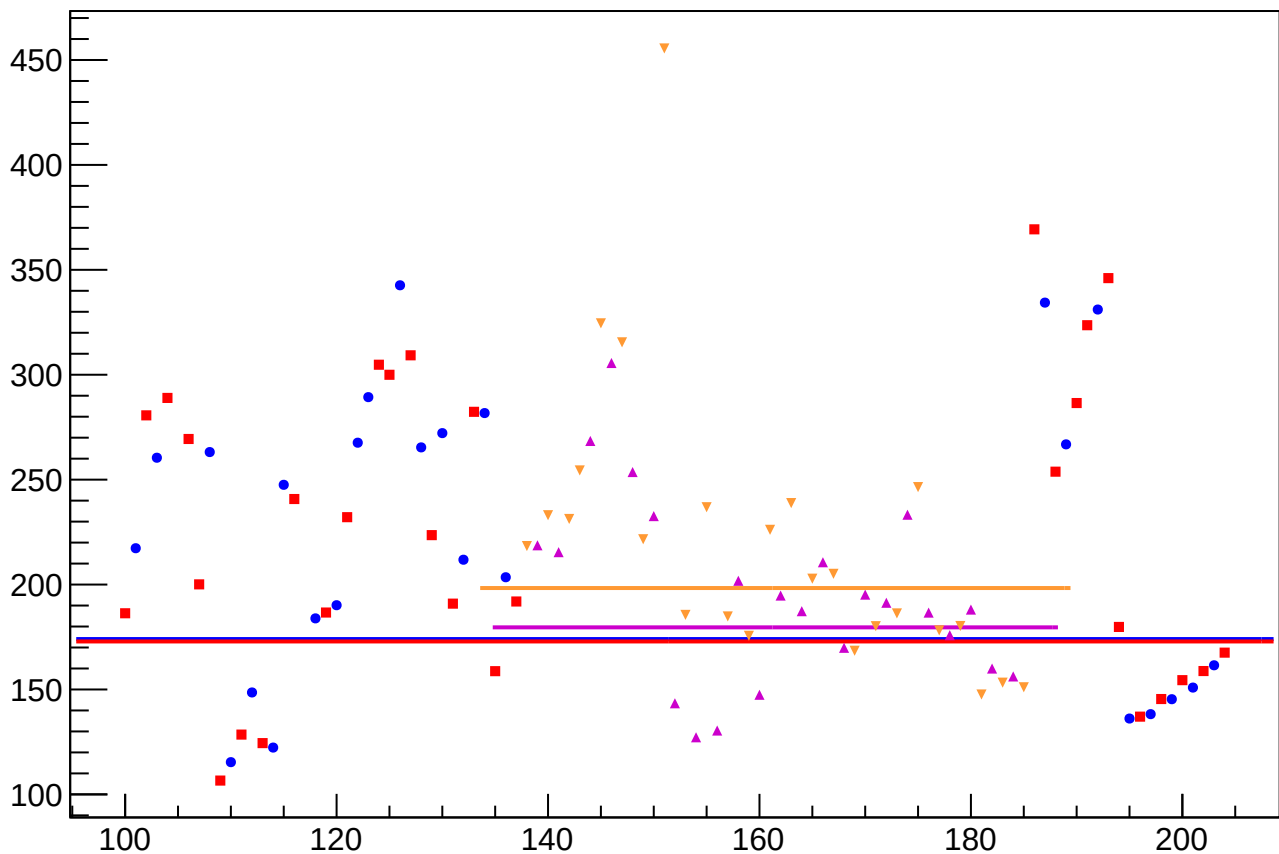
Left In: -35.879 ± 45.087 χ^2/NDF : 6.3/22

+ sign -2.839 ± 35.420 χ^2/NDF : 23.5/49

All: -5.301 ± 24.240 χ^2/NDF : 40.0/102

- sign -7.470 ± 33.244 χ^2/NDF : 16.6/52

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 174.025 $\pm$ 0.037 χ^2 /NDF: 2084078.3/24

Left Out: 198.344 $\pm$ 0.034 χ^2 /NDF:1757450.6/24

Right Out: 172.887 $\pm$ 0.035 χ^2 /NDF: 2763187.3/29

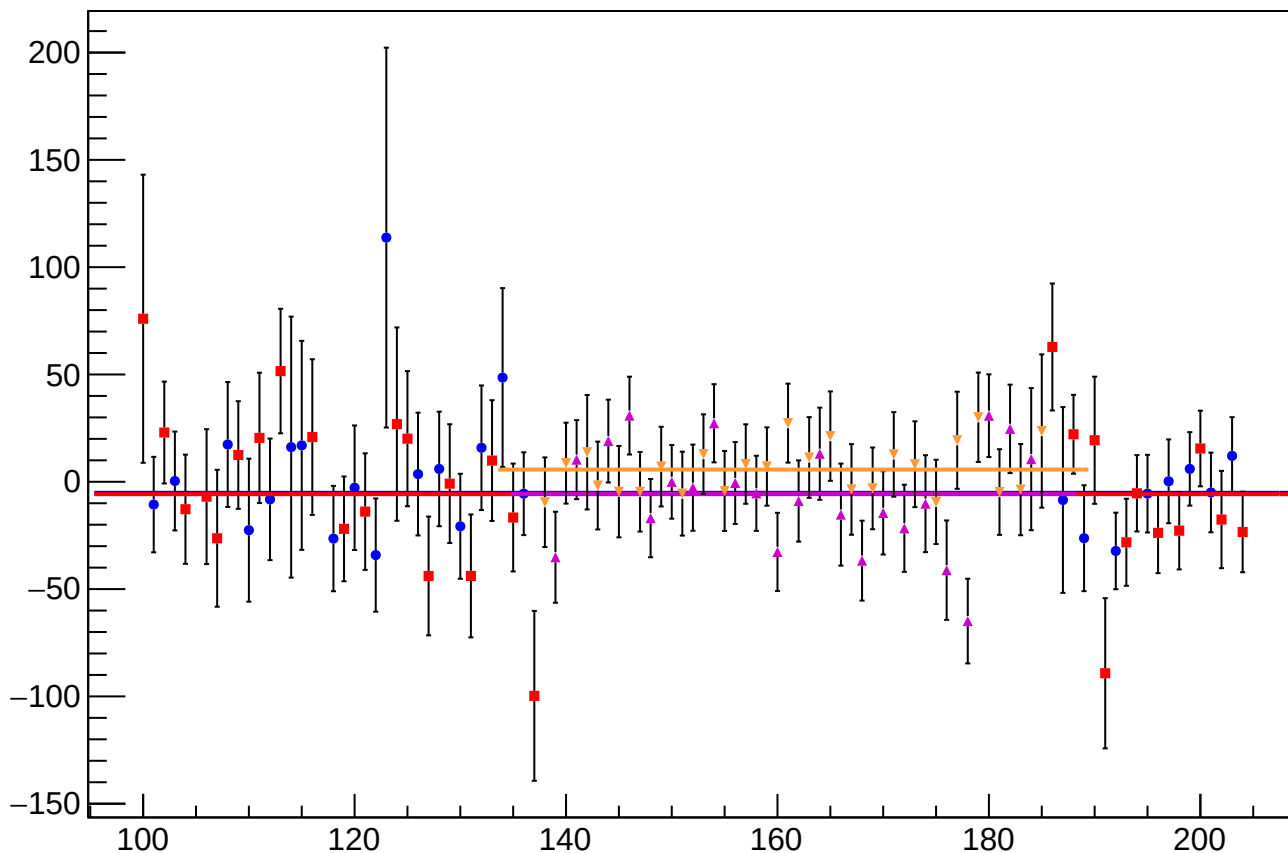
Left In: 179.605 $\pm$ 0.032 χ^2 /NDF:1575744.0/22

+ sign 187.299 $\pm$ 0.025 χ^2 /NDF: 4075251.8/49

All: 181.578 $\pm$ 0.017 χ^2 /NDF: 8532579.5/102

- sign 176.539 $\pm$ 0.024 χ^2 /NDF: 4359196.7/52

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.136 ± 4.910 χ^2/NDF : 12.4/24

Left Out: 5.680 ± 4.024 χ^2/NDF : 7.7/24

Right Out: -5.768 ± 4.585 χ^2/NDF : 40.5/29

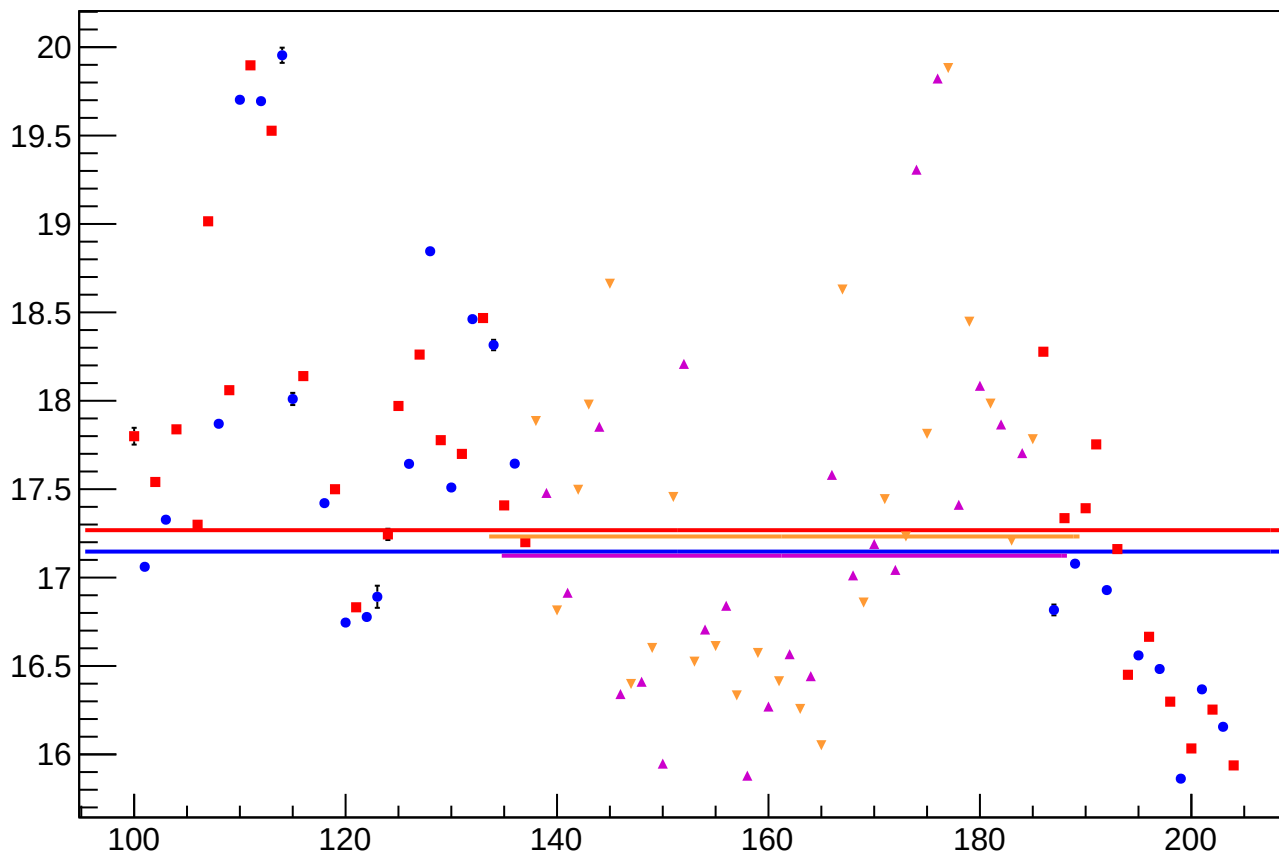
Left In: -5.595 ± 4.121 χ^2/NDF : 36.4/22

+ sign 1.335 ± 3.112 χ^2/NDF : 23.1/49

All: -2.222 ± 2.184 χ^2/NDF : 102.5/102

- sign -5.672 ± 3.065 χ^2/NDF : 76.9/52

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.147 $\pm$ 0.003 χ^2 /NDF: 77084.4/24

Left Out: 17.232 $\pm$ 0.003 χ^2 /NDF: 98701.0/24

Right Out: 17.268 $\pm$ 0.003 χ^2 /NDF: 85545.9/29

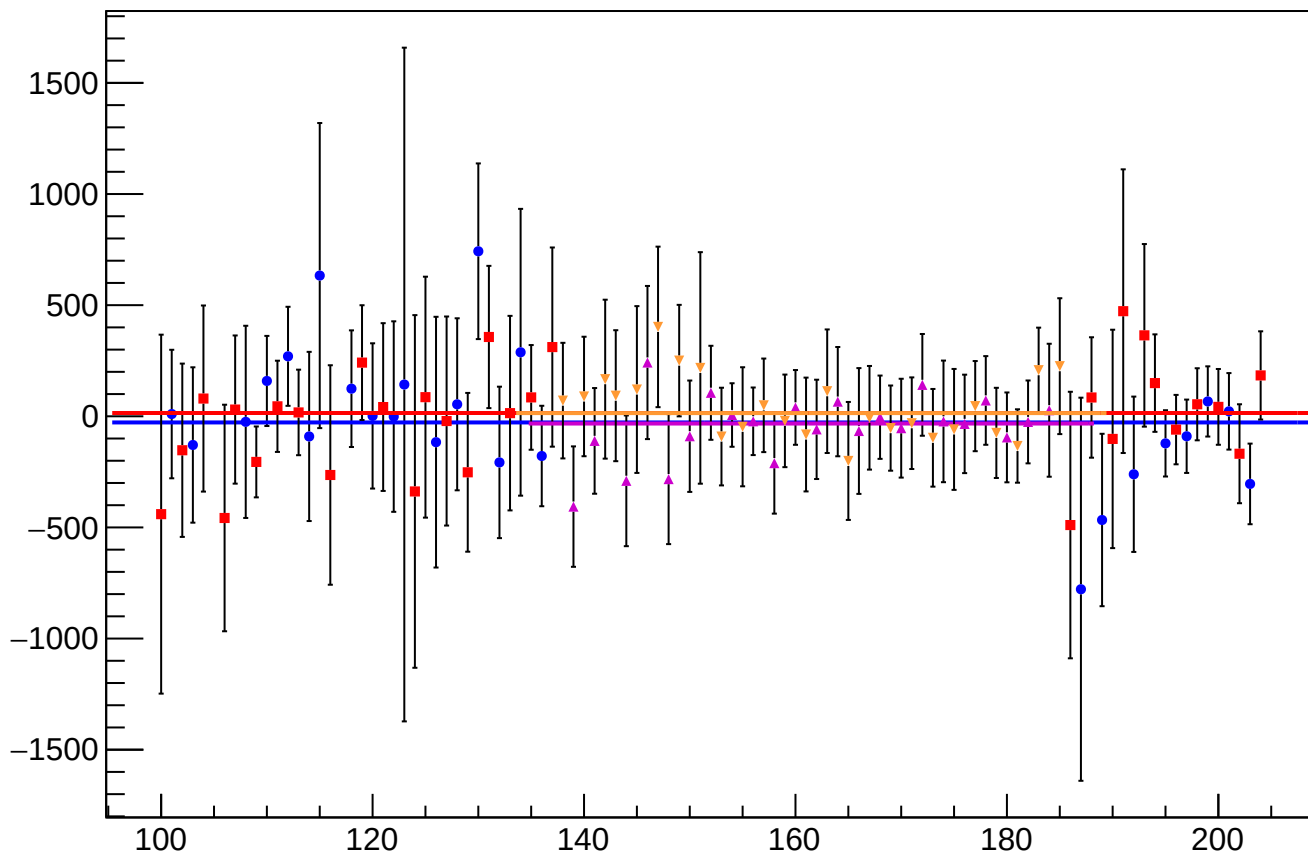
Left In: 17.124 $\pm$ 0.003 χ^2 /NDF: 100747.0/22

+ sign 17.198 $\pm$ 0.002 χ^2 /NDF: 176147.4/49

All: 17.193 $\pm$ 0.002 χ^2 /NDF: 363547.2/102

- sign 17.188 $\pm$ 0.002 χ^2 /NDF: 187389.5/52

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -27.672 ± 52.872 χ^2/NDF : 14.7/24

Left Out: 14.362 ± 48.130 χ^2/NDF : 6.9/24

Right Out: 14.824 ± 49.568 χ^2/NDF : 11.0/29

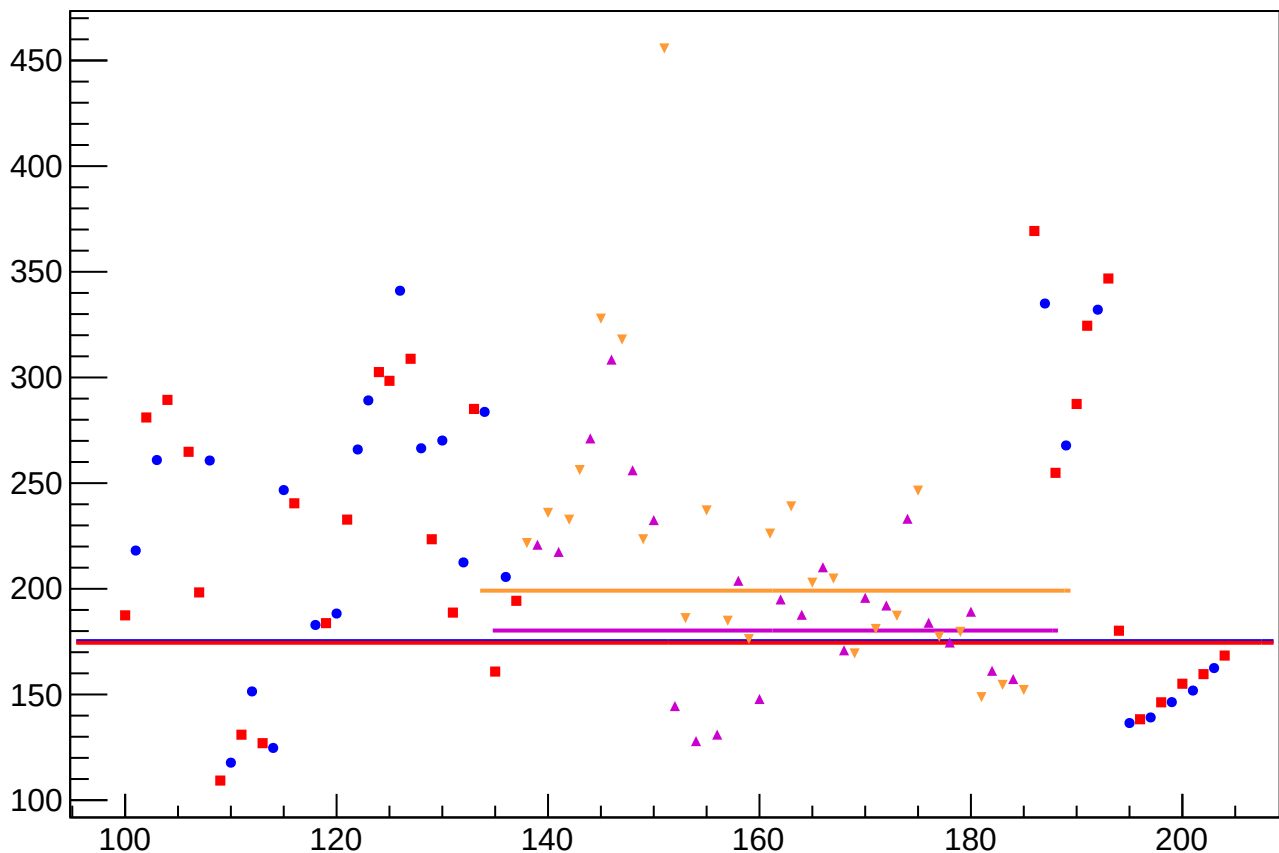
Left In: -32.571 ± 45.248 χ^2/NDF : 6.7/22

+ sign -4.685 ± 35.592 χ^2/NDF : 22.0/49

All: -8.057 ± 24.362 χ^2/NDF : 40.2/102

- sign -11.029 ± 33.418 χ^2/NDF : 18.2/52

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 175.242 $\pm$ 0.037 χ^2 /NDF: 2034844.9/24

Left Out: 199.136 $\pm$ 0.034 χ^2 /NDF:1760298.1/24

Right Out: 174.477 $\pm$ 0.035 χ^2 /NDF: 2667804.5/29

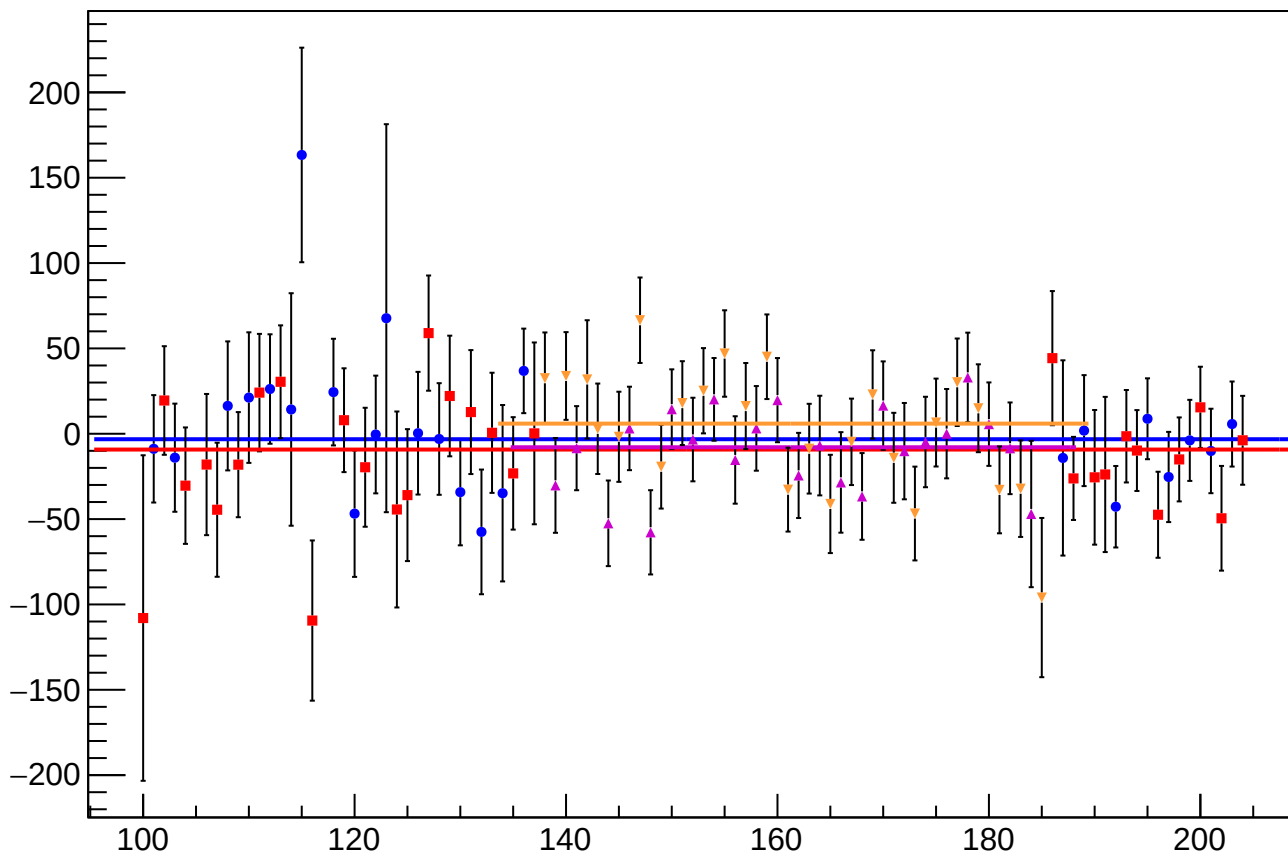
Left In: 180.256 $\pm$ 0.032 χ^2 /NDF:1580553.5/22

+ sign 188.308 $\pm$ 0.025 χ^2 /NDF: 4018507.8/49

All: 182.633 $\pm$ 0.017 χ^2 /NDF: 8377380.8/102

- sign 177.630 $\pm$ 0.024 χ^2 /NDF: 4263186.5/52

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -3.205 ± 6.423 χ^2/NDF : 21.5/24

Left Out: 5.937 ± 5.285 χ^2/NDF : 36.1/24

Right Out: -9.253 ± 5.977 χ^2/NDF : 24.8/29

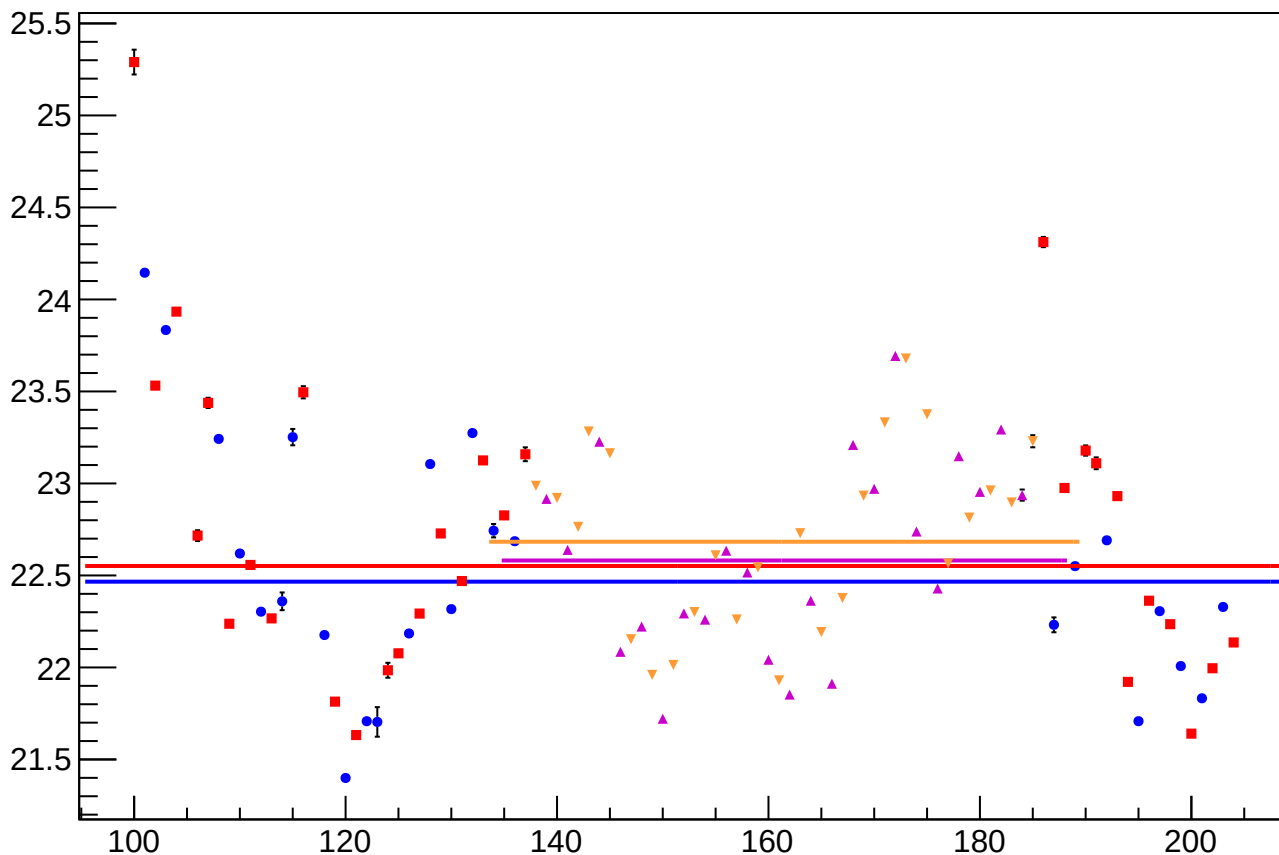
Left In: -7.915 ± 5.422 χ^2/NDF : 18.7/22

+ sign 2.247 ± 4.081 χ^2/NDF : 58.8/49

All: -3.223 ± 2.862 χ^2/NDF : 105.9/102

- sign -8.519 ± 4.016 χ^2/NDF : 43.6/52

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.466 $\pm$ 0.005 χ^2 /NDF: 20146.4/24

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF:16320.2/24

Right Out: 22.551 $\pm$ 0.004 χ^2 /NDF: 24997.6/29

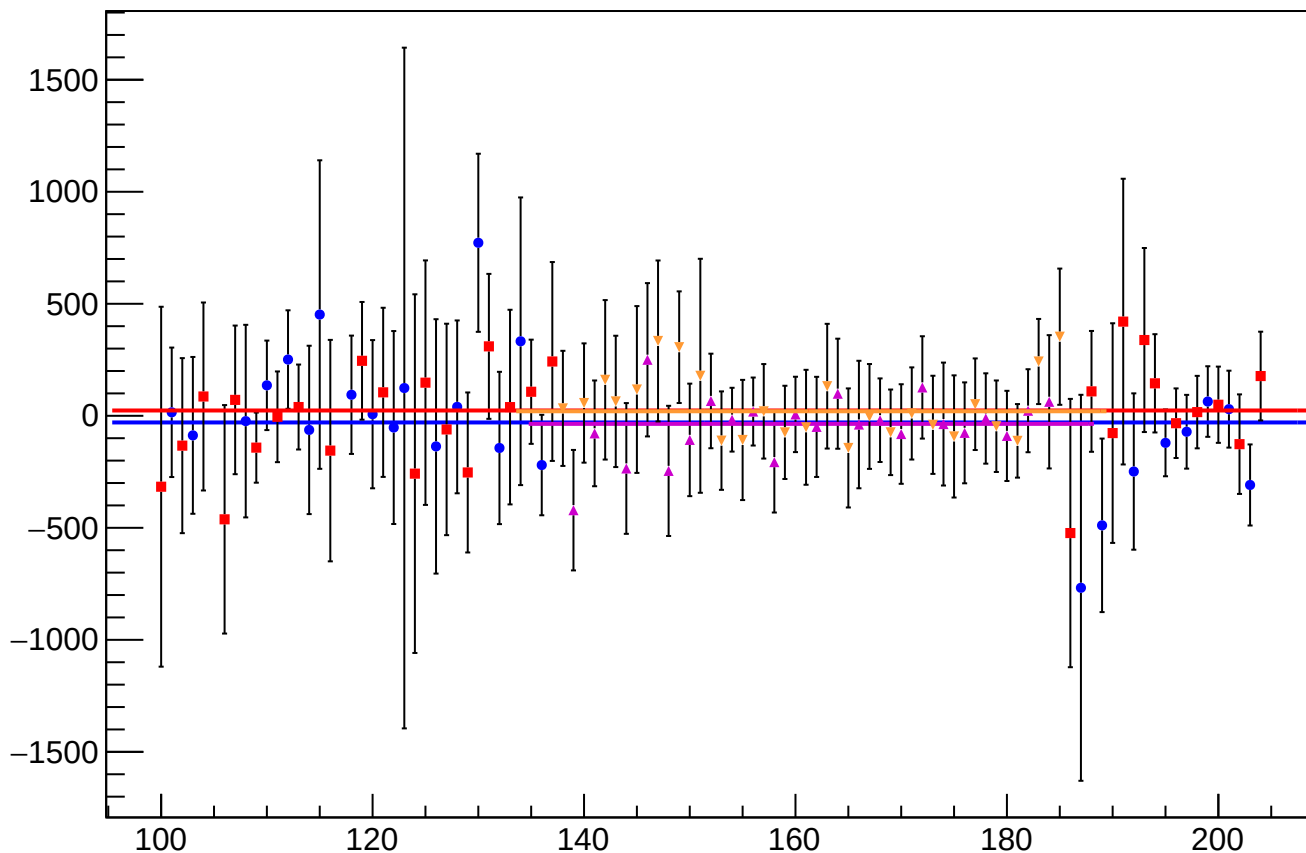
Left In: 22.581 $\pm$ 0.004 χ^2 /NDF:17904.5/22

+ sign 22.596 $\pm$ 0.003 χ^2 /NDF: 37828.0/49

All: 22.581 $\pm$ 0.002 χ^2 /NDF: 80804.5/102

- sign 22.568 $\pm$ 0.003 χ^2 /NDF: 42929.5/52

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -29.682 ± 52.719 $\chi^2/\text{NDF}: 14.2/24$

Left Out: 20.306 ± 48.049 $\chi^2/\text{NDF}: 7.7/24$

Right Out: 23.742 ± 49.335 $\chi^2/\text{NDF}: 8.8/29$

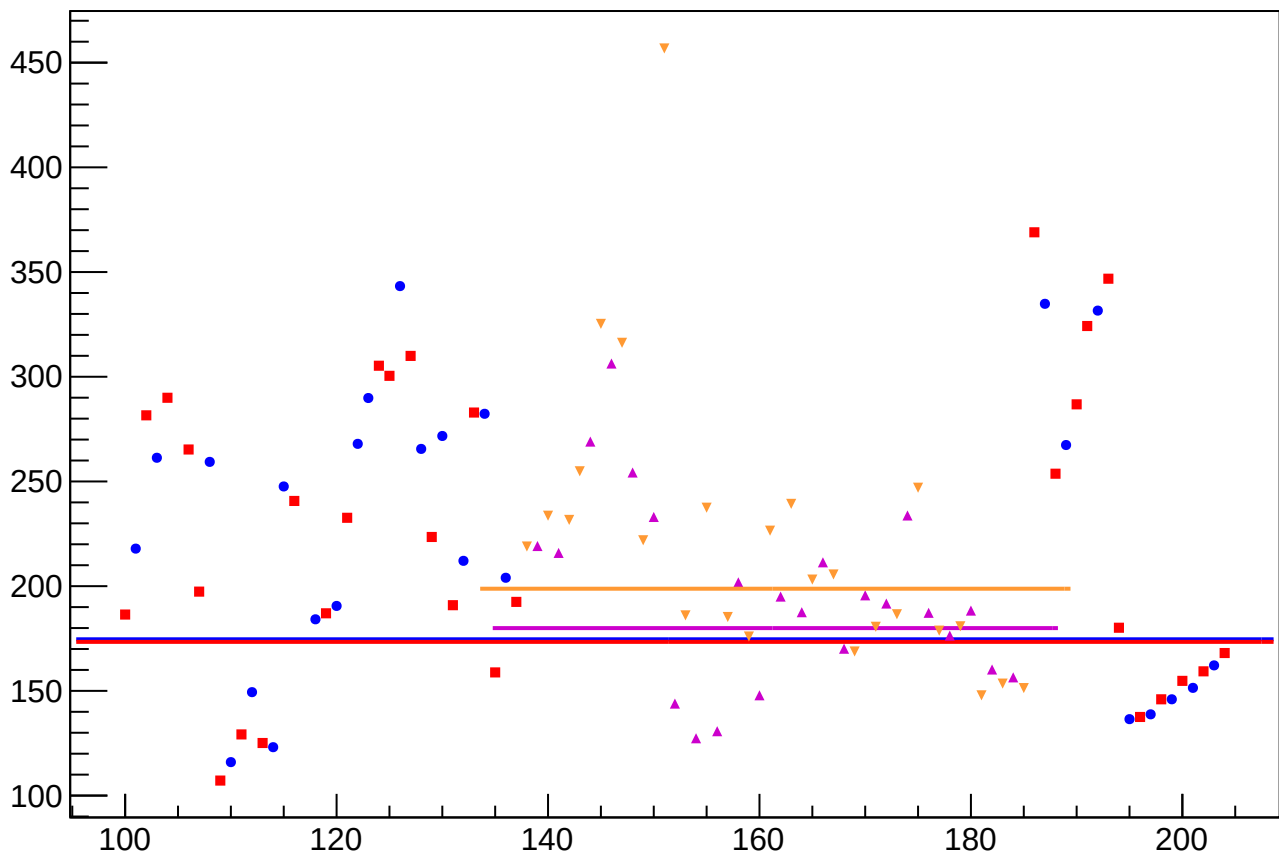
Left In: -35.996 ± 45.180 $\chi^2/\text{NDF}: 6.1/22$

+ sign -2.376 ± 35.512 $\chi^2/\text{NDF}: 22.4/49$

All: -5.764 ± 24.299 $\chi^2/\text{NDF}: 38.0/102$

- sign -8.748 ± 33.319 $\chi^2/\text{NDF}: 15.6/52$

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 174.630 $\pm$ 0.037 χ^2 /NDF: 2065111.5/24

Left Out: 198.784 $\pm$ 0.034 χ^2 /NDF:1758481.8/24

Right Out: 173.405 $\pm$ 0.035 χ^2 /NDF: 2738241.6/29

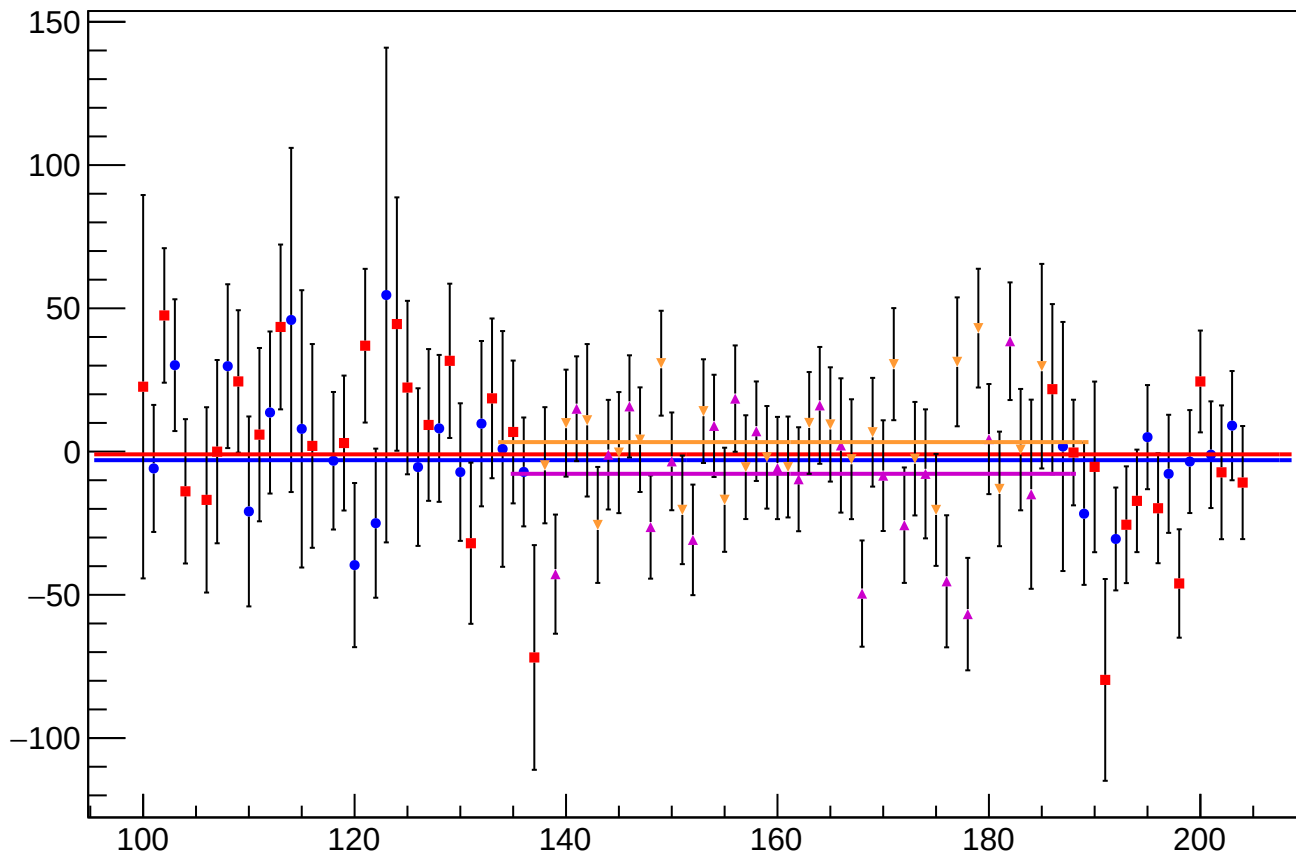
Left In: 179.972 $\pm$ 0.032 χ^2 /NDF:1575888.3/22

+ sign 187.825 $\pm$ 0.025 χ^2 /NDF: 4052919.3/49

All: 182.055 $\pm$ 0.017 χ^2 /NDF: 8485572.1/102

- sign 176.977 $\pm$ 0.024 χ^2 /NDF: 4333405.1/52

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -3.002 $\pm$ 4.934 χ^2/NDF : 11.6/24

Left Out: 3.307 $\pm$ 3.954 χ^2/NDF : 18.7/24

Right Out: -0.964 $\pm$ 4.598 χ^2/NDF : 35.7/29

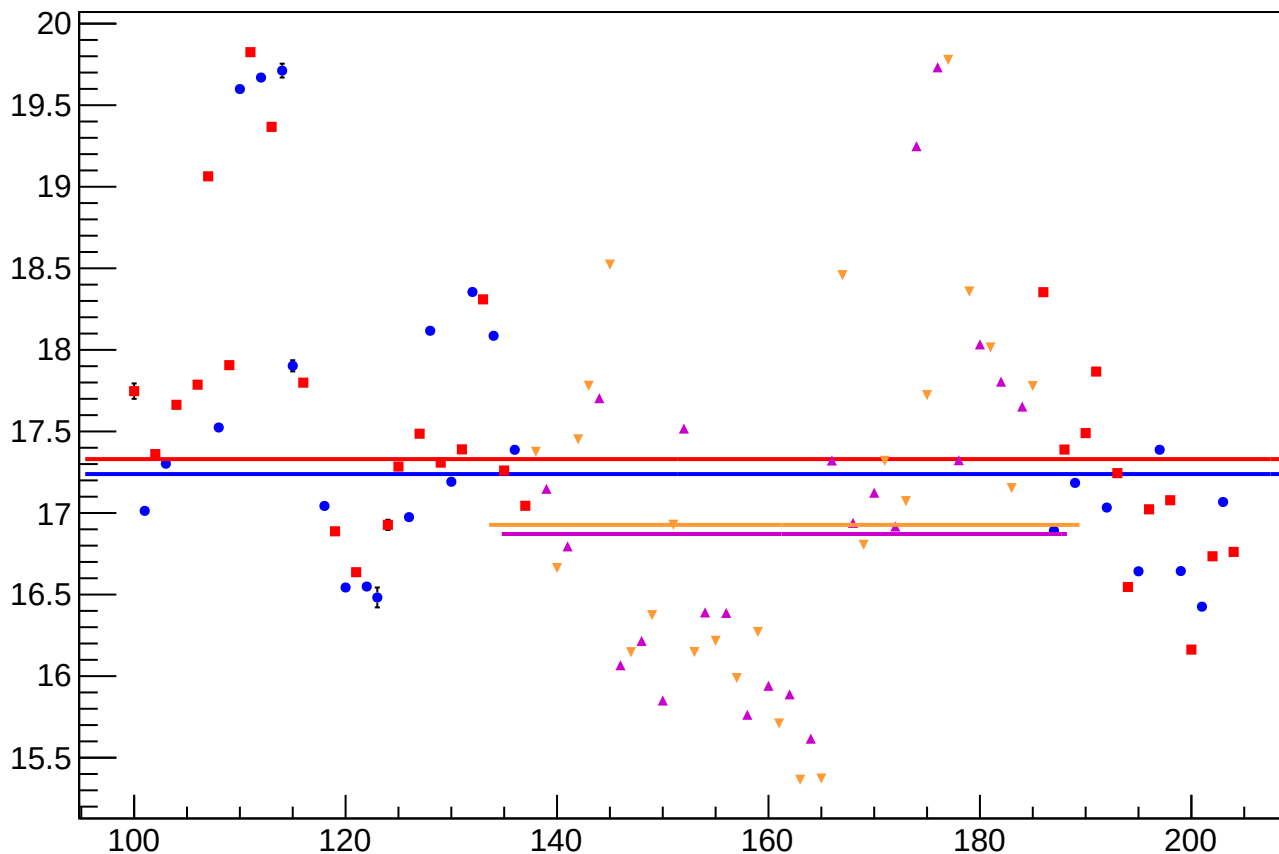
Left In: -7.756 $\pm$ 4.061 χ^2/NDF : 34.3/22

+ sign 0.840 $\pm$ 3.085 χ^2/NDF : 31.3/49

All: -2.008 $\pm$ 2.167 χ^2/NDF : 104.2/102

- sign -4.781 $\pm$ 3.044 χ^2/NDF : 71.1/52

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.239 $\pm$ 0.003 χ^2 /NDF: 47290.9/24

Left Out: 16.927 $\pm$ 0.003 χ^2 /NDF:138533.2/24

Right Out: 17.330 $\pm$ 0.003 χ^2 /NDF: 55898.5/29

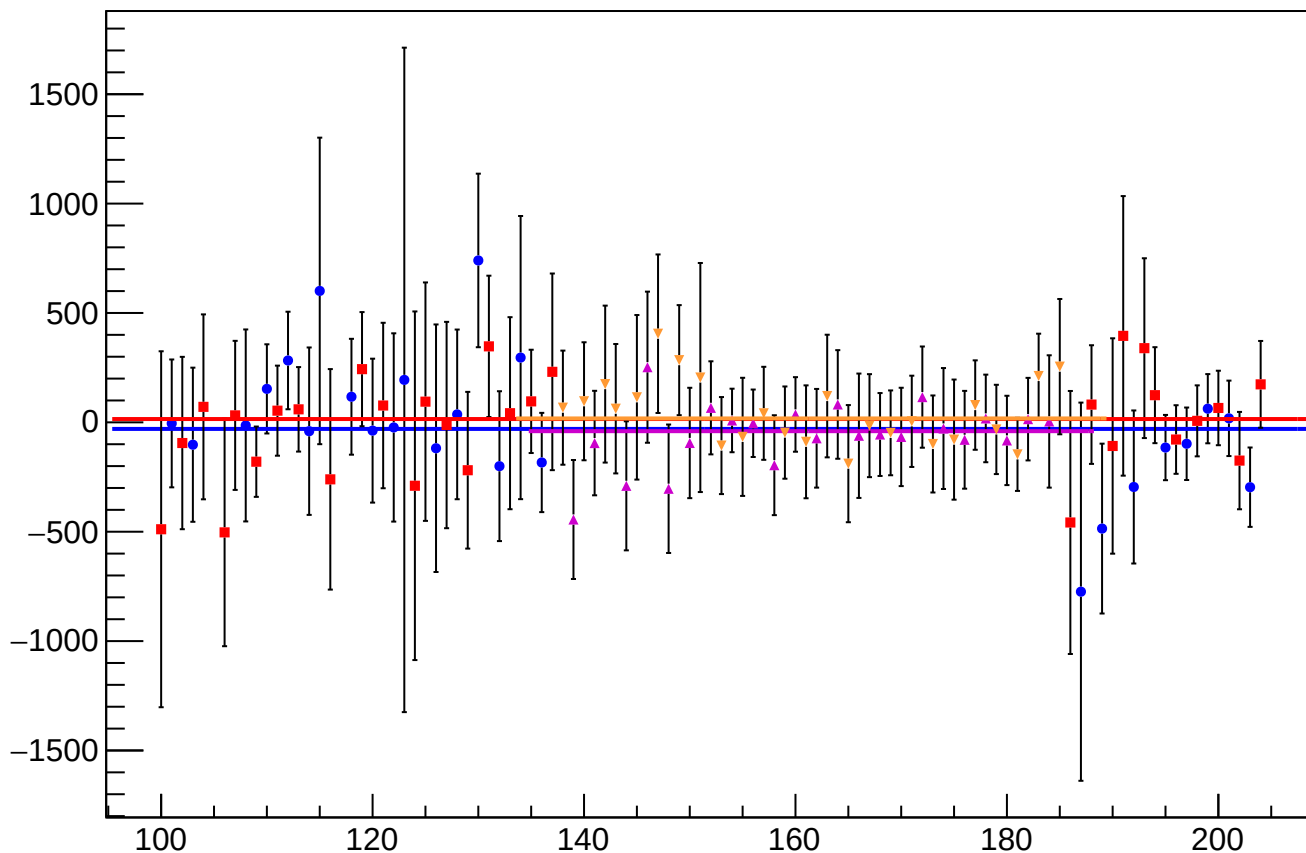
Left In: 16.871 $\pm$ 0.003 χ^2 /NDF:117993.8/22

+ sign 17.049 $\pm$ 0.002 χ^2 /NDF: 190676.6/49

All: 17.061 $\pm$ 0.002 χ^2 /NDF: 375832.2/102

- sign 17.072 $\pm$ 0.002 χ^2 /NDF: 185097.3/52

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -30.036 ± 53.051 χ^2/NDF : 14.5/24

Left Out: 17.828 ± 48.547 χ^2/NDF : 7.5/24

Right Out: 15.122 ± 49.758 χ^2/NDF : 9.9/29

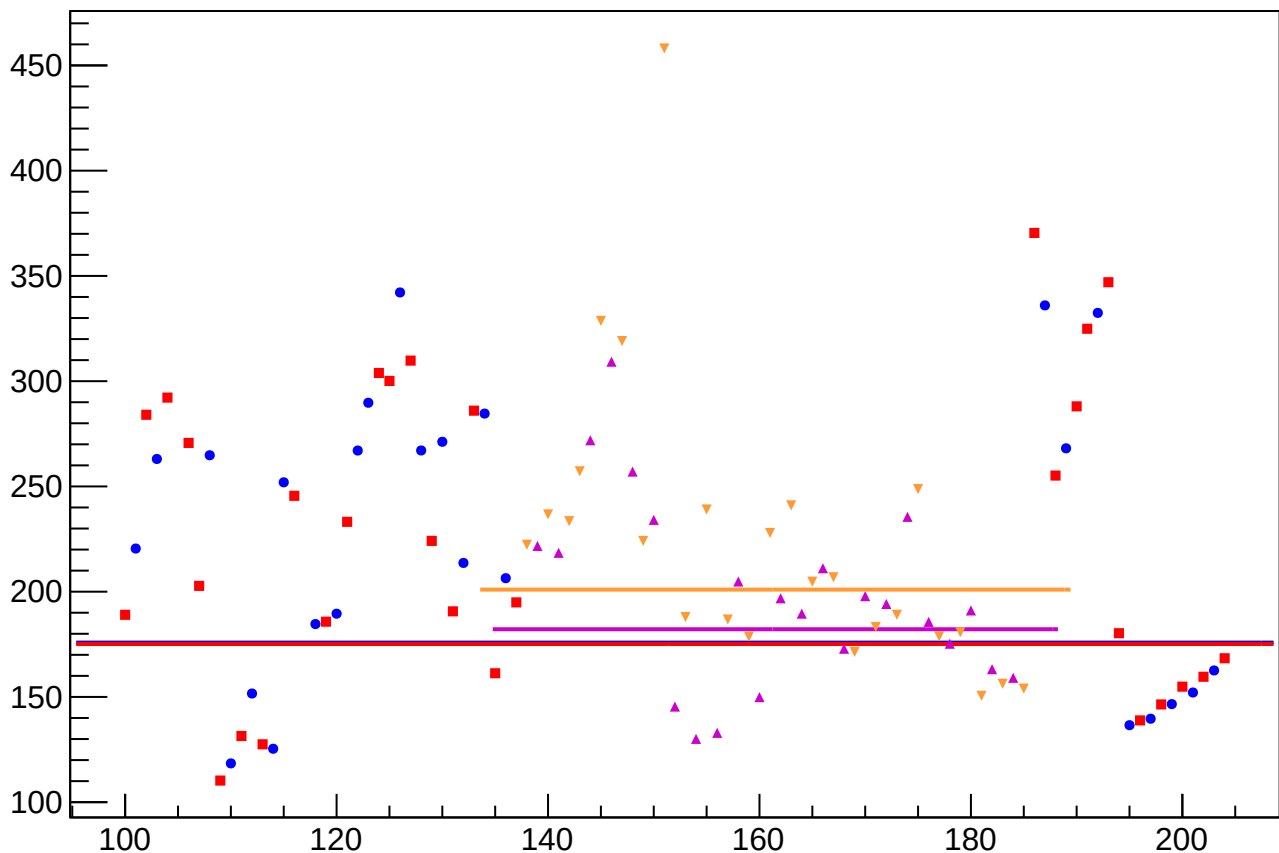
Left In: -40.355 ± 45.689 χ^2/NDF : 6.6/22

+ sign -3.986 ± 35.815 χ^2/NDF : 22.4/49

All: -9.823 ± 24.525 χ^2/NDF : 39.7/102

- sign -14.977 ± 33.654 χ^2/NDF : 17.2/52

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 175.795 $\pm$ 0.038 χ^2 /NDF: 2048573.1/24

Left Out: 200.985 $\pm$ 0.034 χ^2 /NDF:1727291.4/24

Right Out: 175.153 $\pm$ 0.035 χ^2 /NDF: 2676348.6/29

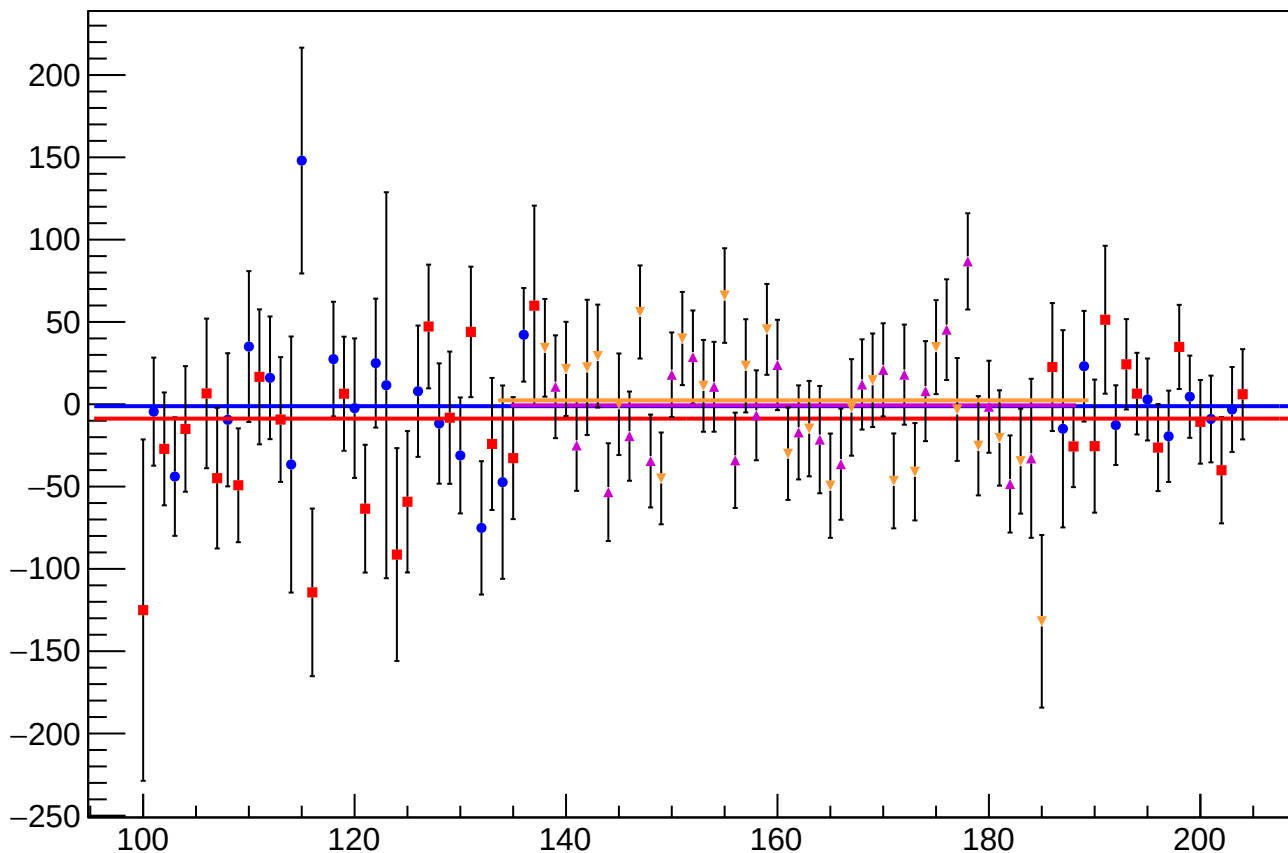
Left In: 182.158 $\pm$ 0.032 χ^2 /NDF:1535922.8/22

+ sign 189.505 $\pm$ 0.025 χ^2 /NDF: 4021276.0/49

All: 183.901 $\pm$ 0.017 χ^2 /NDF: 8347230.8/102

- sign 178.954 $\pm$ 0.024 χ^2 /NDF: 4233776.2/52

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: -1.160 ± 6.960 χ^2/NDF : 16.9/24

Left Out: 2.390 ± 5.980 χ^2/NDF : 39.1/24

Right Out: -8.713 ± 6.428 χ^2/NDF : 29.0/29

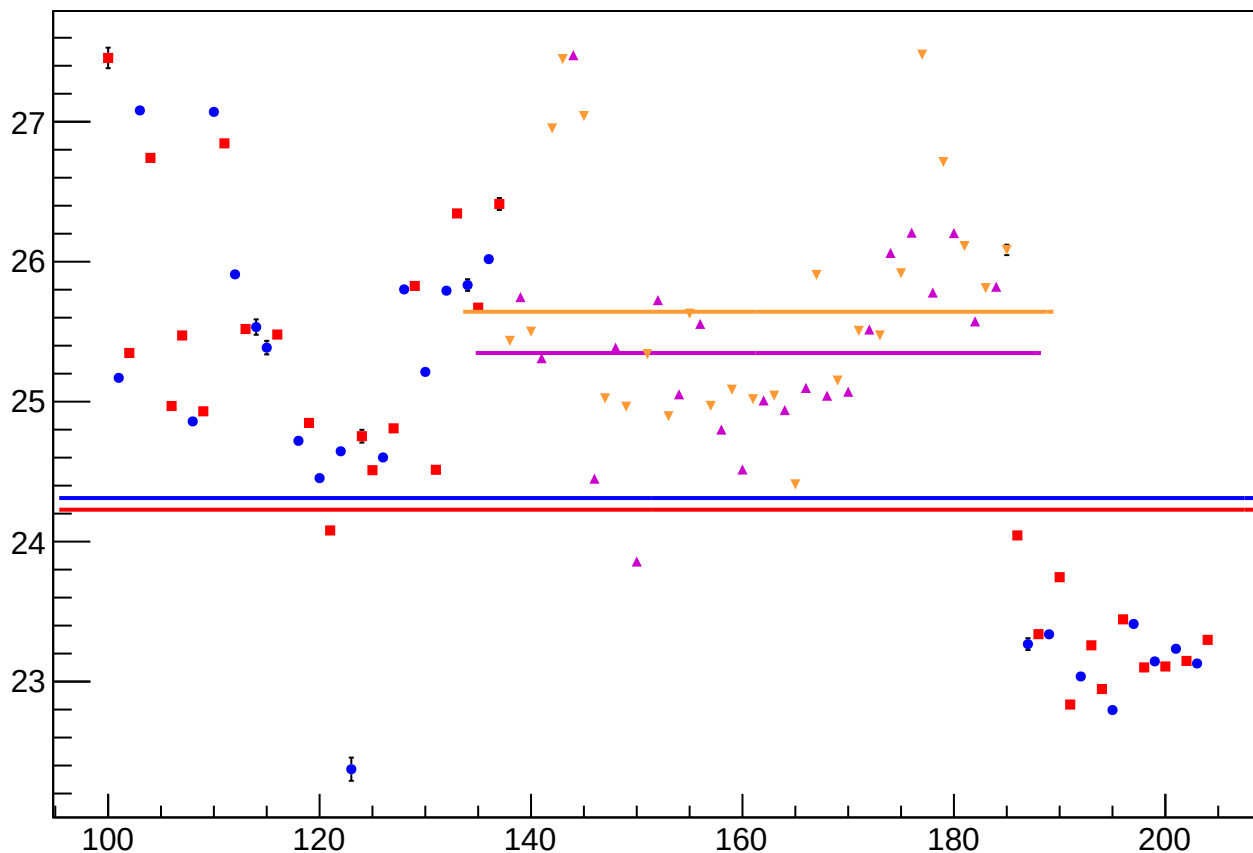
Left In: -0.641 ± 6.091 χ^2/NDF : 27.3/22

+ sign 0.882 ± 4.536 χ^2/NDF : 56.2/49

All: -1.857 ± 3.166 χ^2/NDF : 114.0/102

- sign -4.460 ± 4.422 χ^2/NDF : 57.1/52

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.311 $\pm$ 0.005 χ^2 /NDF: 71690.8/24

Left Out: 25.642 $\pm$ 0.004 χ^2 /NDF: 34802.2/24

Right Out: 24.228 $\pm$ 0.005 χ^2 /NDF: 70062.3/29

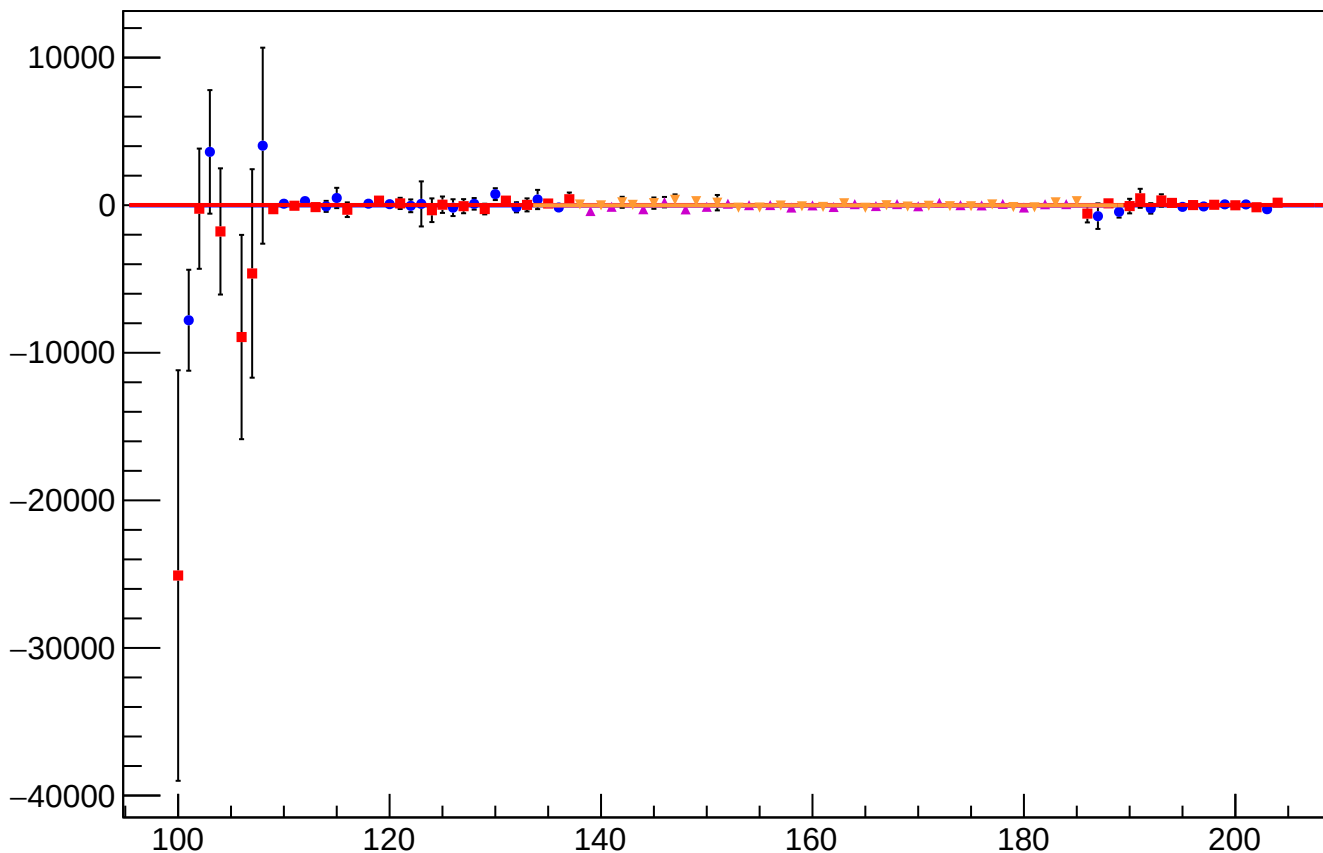
Left In: 25.347 $\pm$ 0.004 χ^2 /NDF: 29389.5/22

+ sign 25.077 $\pm$ 0.003 χ^2 /NDF: 148579.5/49

All: 24.944 $\pm$ 0.002 χ^2 /NDF: 283334.6/102

- sign 24.818 $\pm$ 0.003 χ^2 /NDF: 131406.9/52

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -18.250 $\pm$ 56.021 χ^2/NDF : 19.0/24

Left Out: -11.432 $\pm$ 48.263 χ^2/NDF : 8.0/24

Right Out: 15.200 $\pm$ 53.417 χ^2/NDF : 15.8/29

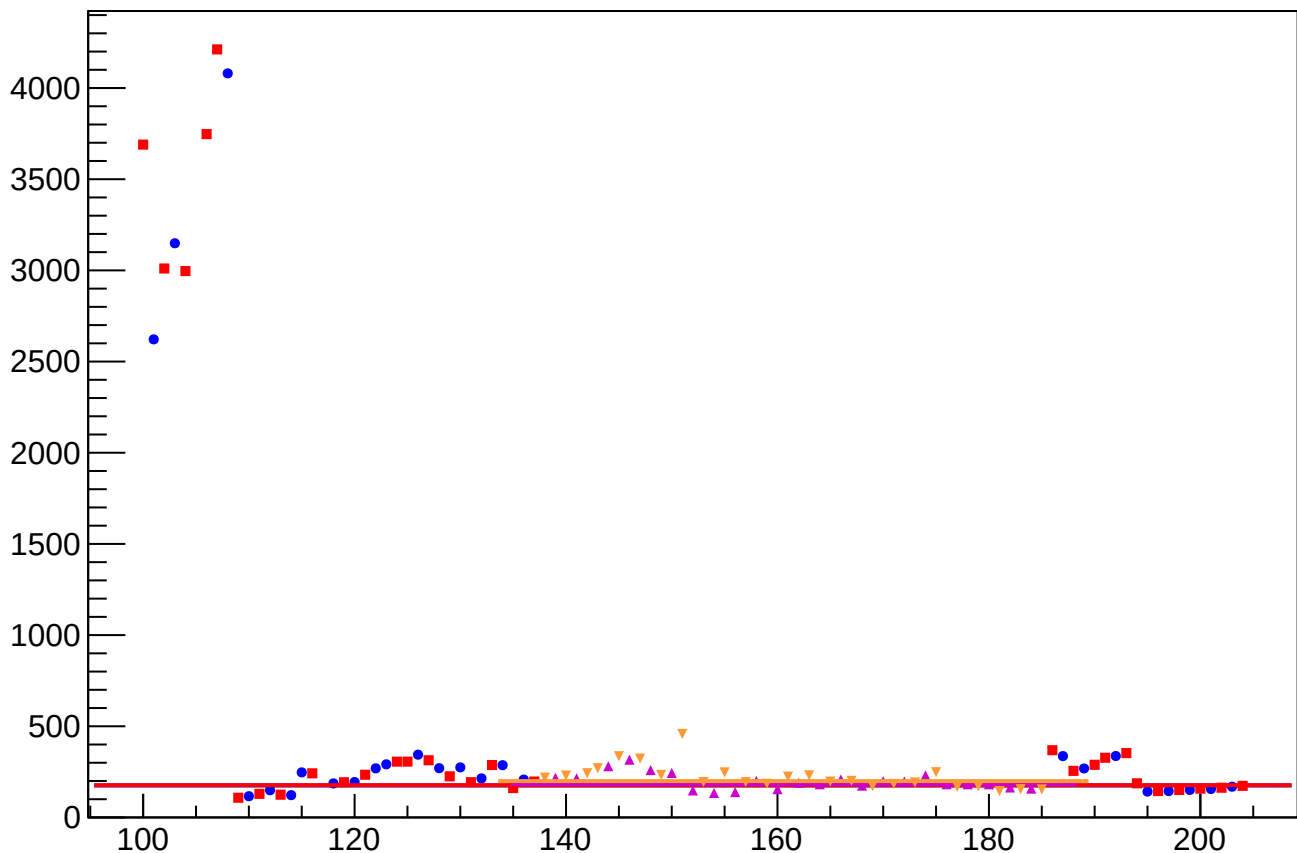
Left In: -27.098 $\pm$ 45.999 χ^2/NDF : 7.2/22

+ sign -14.337 $\pm$ 36.565 χ^2/NDF : 27.0/49

All: -11.586 $\pm$ 25.229 χ^2/NDF : 50.3/102

- sign -9.087 $\pm$ 34.856 χ^2/NDF : 23.3/52

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 175.494 $\pm$ 0.040 χ^2 /NDF: 4467821.7/24

Left Out: 199.438 $\pm$ 0.034 χ^2 /NDF: 1877848.7/24

Right Out: 176.701 $\pm$ 0.038 χ^2 /NDF: 5307941.2/29

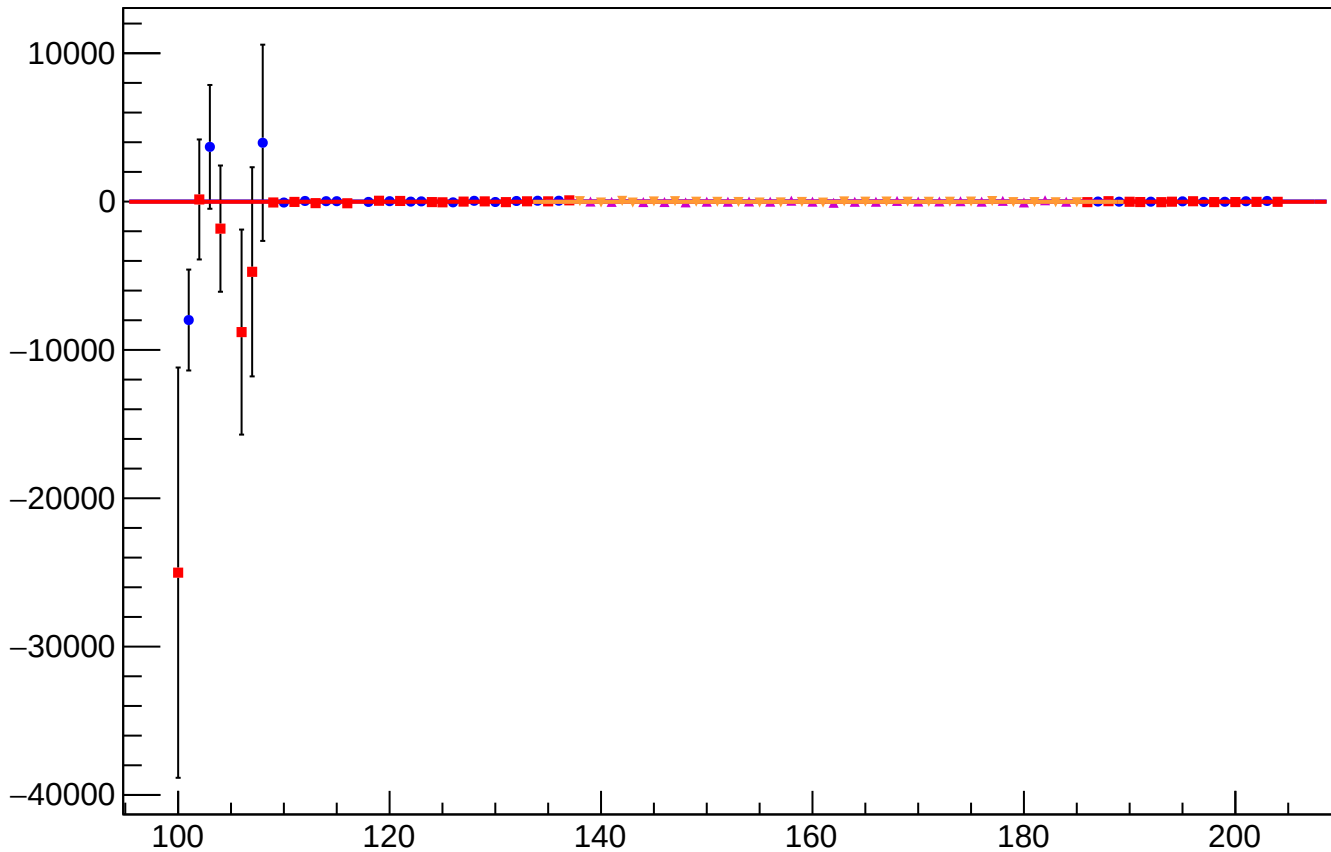
Left In: 183.805 $\pm$ 0.033 χ^2 /NDF: 1412869.6/22

+ sign 189.238 $\pm$ 0.026 χ^2 /NDF: 6555377.2/49

All: 184.807 $\pm$ 0.018 χ^2 /NDF: 13352563.7/10

- sign 180.780 $\pm$ 0.025 χ^2 /NDF: 6741125.2/52

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 7.995 ± 8.448 χ^2/NDF : 21.5/24

Left Out: -18.118 ± 6.704 χ^2/NDF : 21.7/24

Right Out: -13.319 ± 7.912 χ^2/NDF : 28.7/29

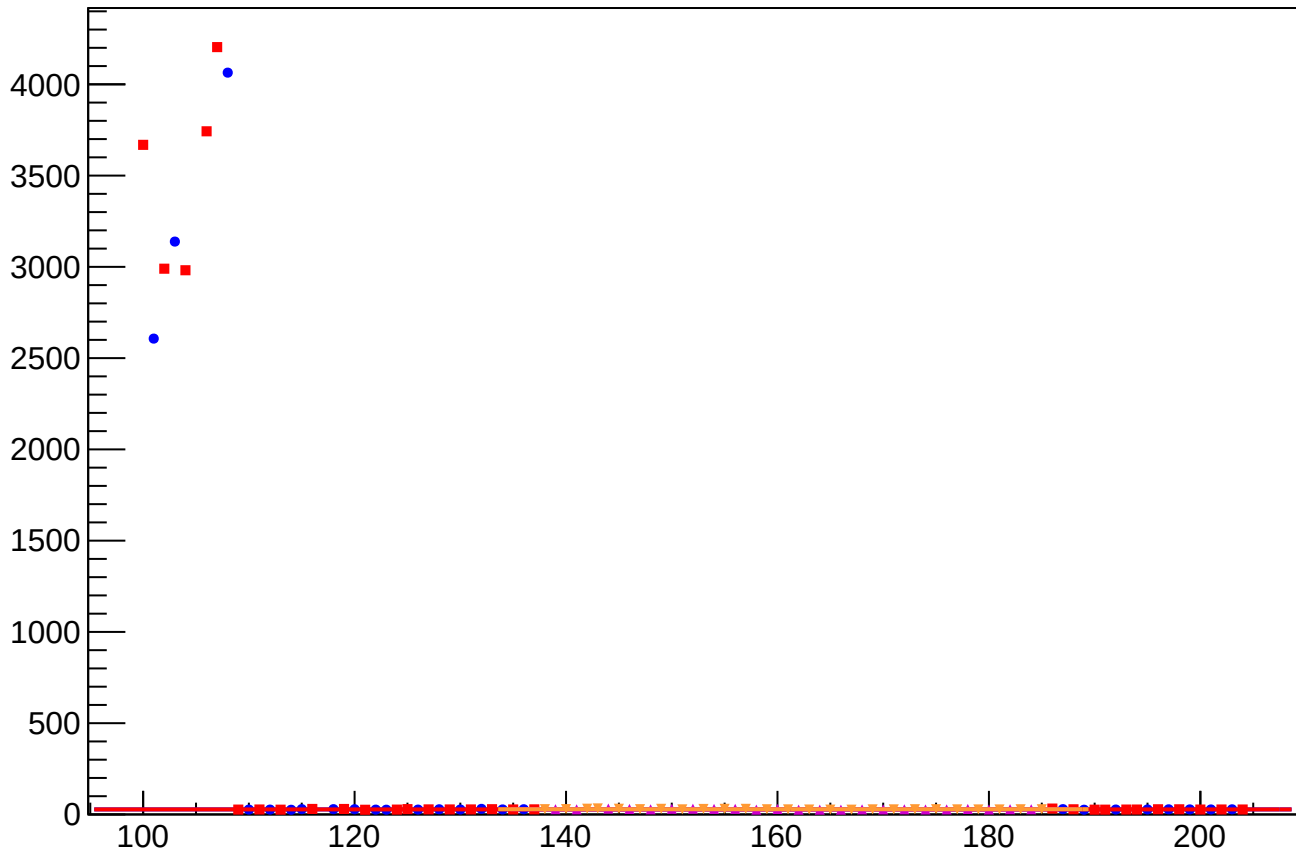
Left In: -1.267 ± 6.908 χ^2/NDF : 32.0/22

+ sign -8.029 ± 5.251 χ^2/NDF : 49.1/49

All: -7.247 ± 3.696 χ^2/NDF : 111.2/102

- sign -6.480 ± 5.204 χ^2/NDF : 62.0/52

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.652 $\pm$ 0.006 χ^2 /NDF: 3035001.3/24

Left Out: 28.694 $\pm$ 0.005 χ^2 /NDF: 110466.9/24

Right Out: 27.615 $\pm$ 0.006 χ^2 /NDF: 3503072.5/29

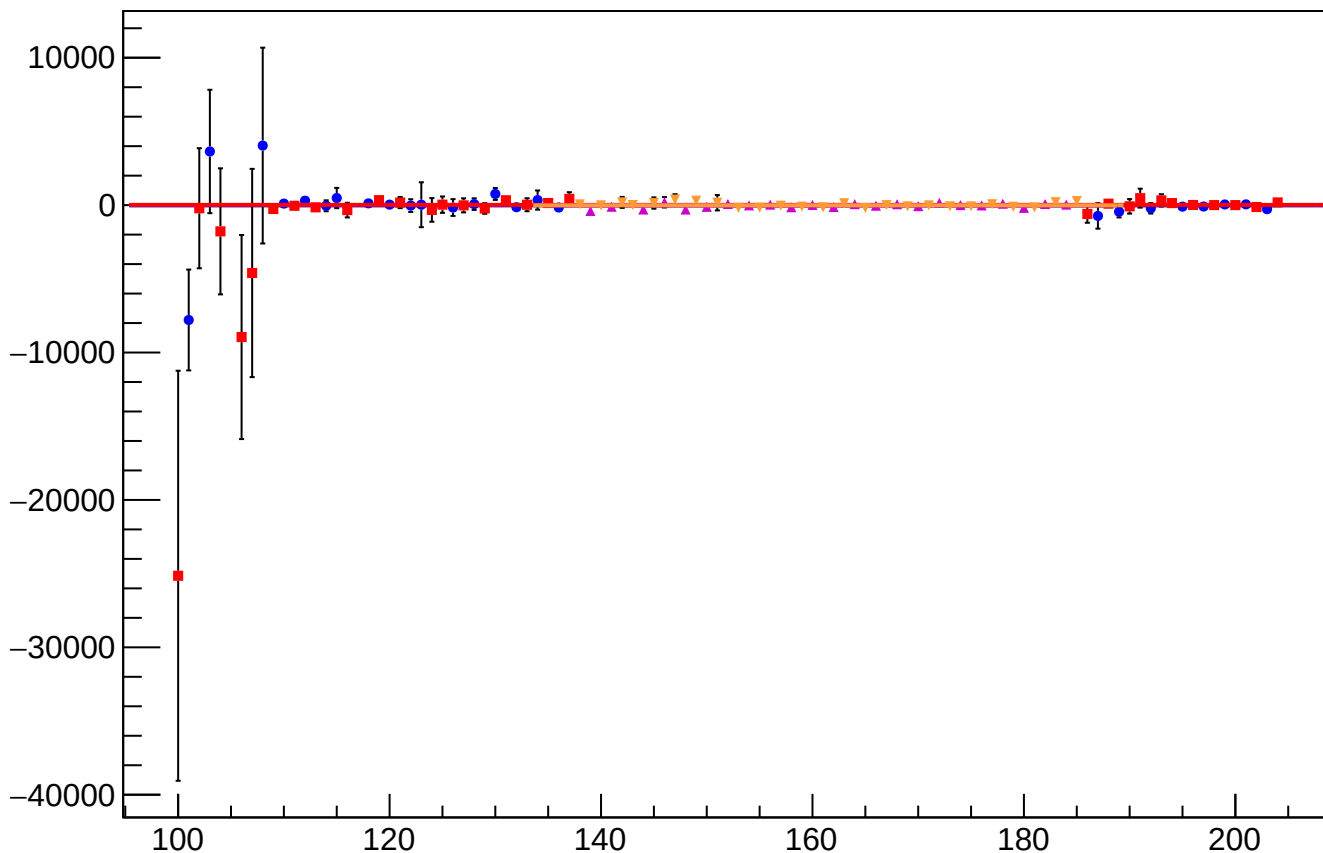
Left In: 28.677 $\pm$ 0.005 χ^2 /NDF: 123814.4/22

+ sign 28.291 $\pm$ 0.004 χ^2 /NDF: 3164116.5/49

All: 28.254 $\pm$ 0.003 χ^2 /NDF: 6811650.2/102

- sign 28.217 $\pm$ 0.004 χ^2 /NDF: 3647333.4/52

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -16.808 $\pm$ 55.842 χ^2 /NDF: 19.2/24

Left Out: -13.878 $\pm$ 48.155 χ^2 /NDF: 8.8/24

Right Out: 17.388 $\pm$ 53.265 χ^2 /NDF: 16.5/29

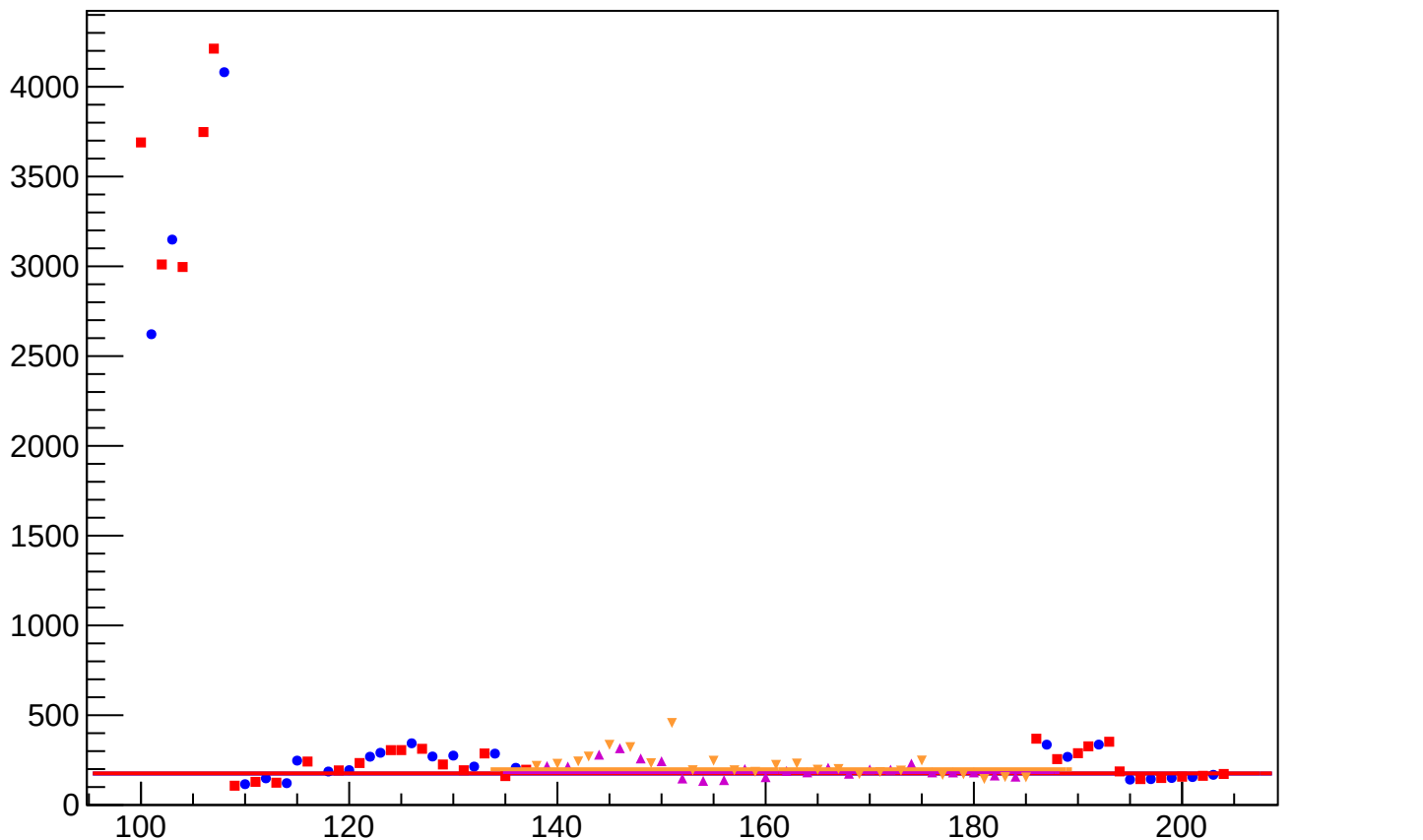
Left In: -27.286 $\pm$ 45.907 χ^2 /NDF: 7.5/22

+ sign -15.128 $\pm$ 36.468 χ^2 /NDF: 28.1/49

All: -11.523 $\pm$ 25.167 χ^2 /NDF: 52.4/102

- sign -8.246 $\pm$ 34.774 χ^2 /NDF: 24.3/52

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 174.875 $\pm$ 0.039 χ^2 /NDF: 4481345.0/24

Left Out: 198.997 $\pm$ 0.034 χ^2 /NDF: 1877636.0/24

Right Out: 176.132 $\pm$ 0.038 χ^2 /NDF: 5325423.1/29

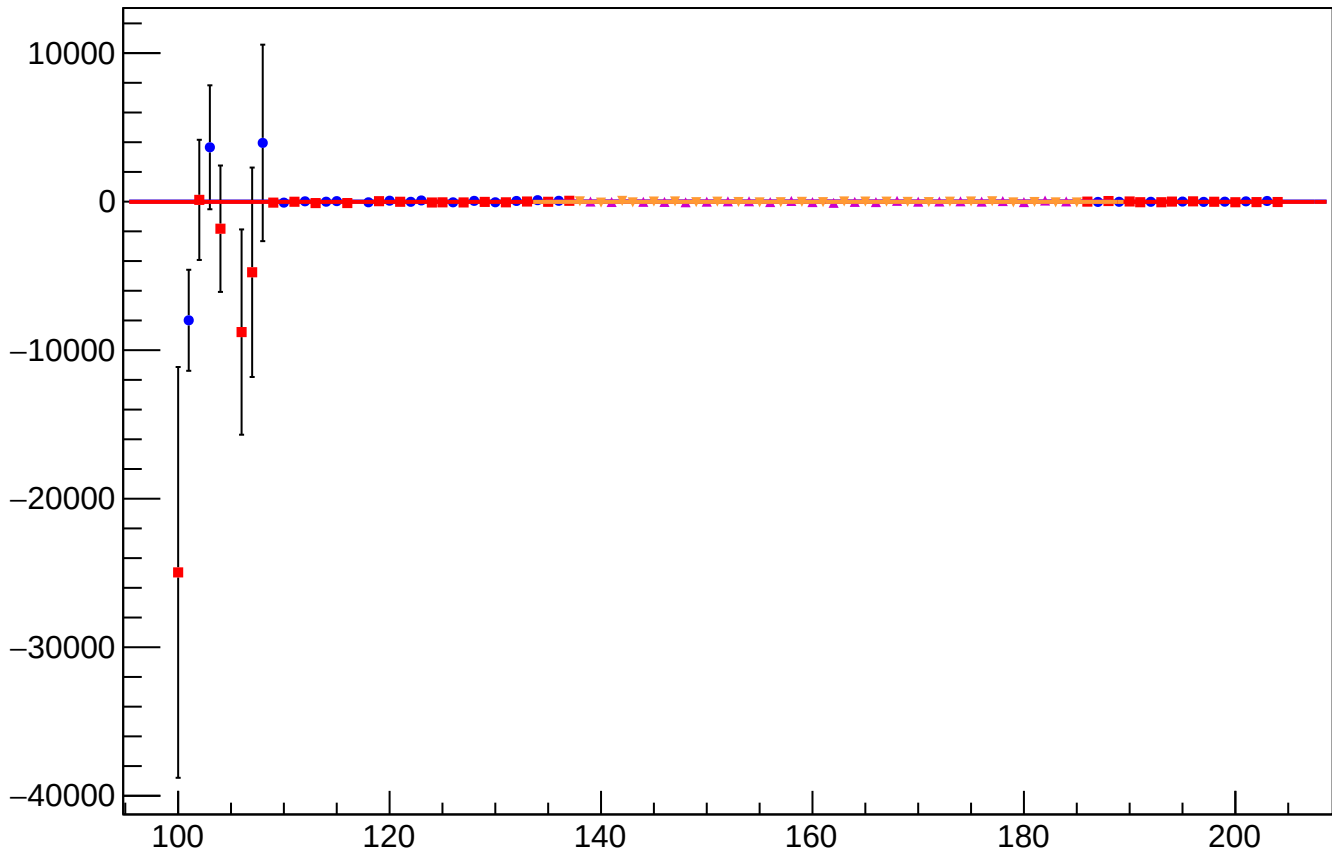
Left In: 183.442 $\pm$ 0.032 χ^2 /NDF: 1412341.8/22

+ sign 188.709 $\pm$ 0.026 χ^2 /NDF: 6573001.1/49

All: 184.318 $\pm$ 0.018 χ^2 /NDF: 13387727.4/10

- sign 180.326 $\pm$ 0.025 χ^2 /NDF: 6759375.9/52

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 6.626 ± 8.441 χ^2/NDF : 25.5/24

Left Out: -15.829 ± 6.733 χ^2/NDF : 16.5/24

Right Out: -17.076 ± 7.908 χ^2/NDF : 24.5/29

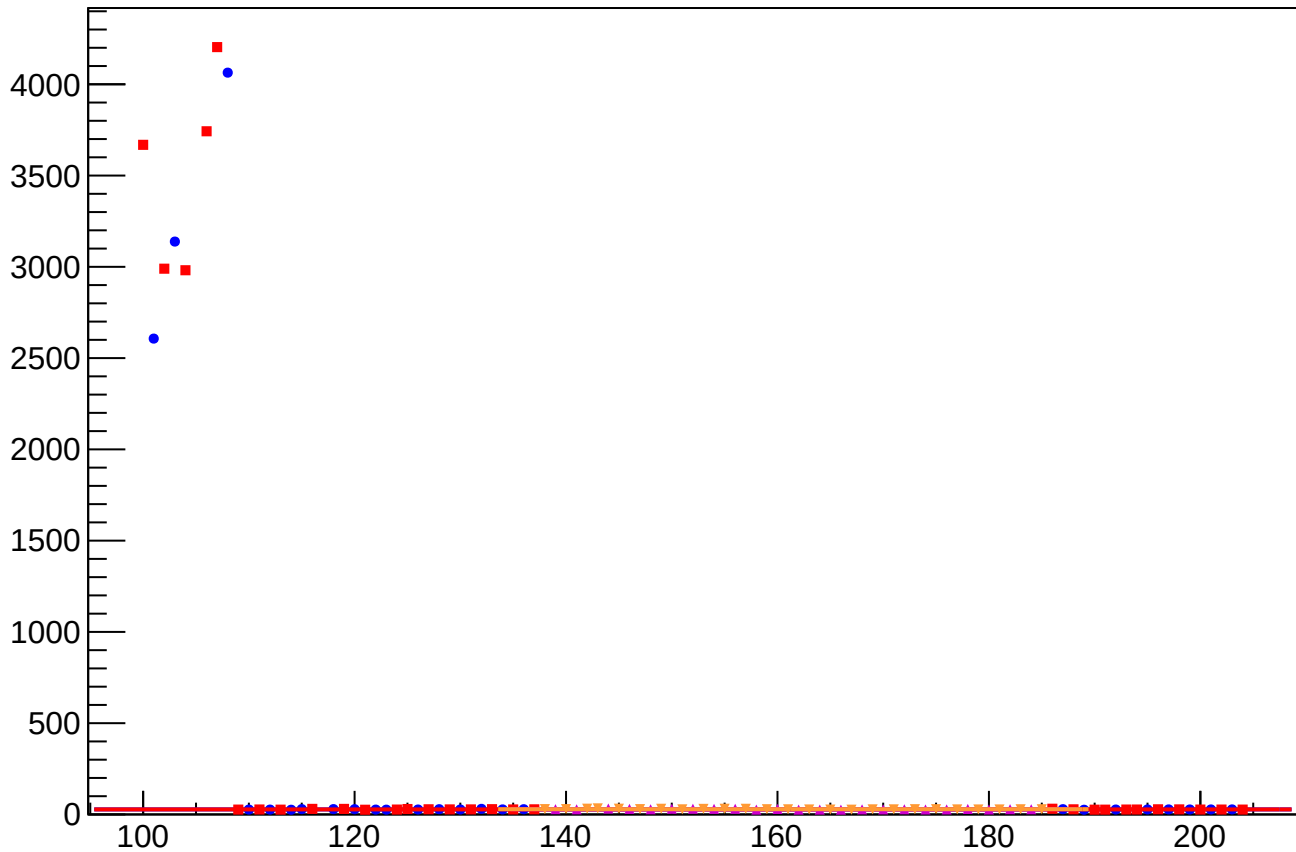
Left In: 0.498 ± 6.937 χ^2/NDF : 26.1/22

+ sign -7.098 ± 5.264 χ^2/NDF : 46.3/49

All: -7.121 ± 3.705 χ^2/NDF : 99.8/102

- sign -7.145 ± 5.215 χ^2/NDF : 53.4/52

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.626 $\pm$ 0.006 χ^2 /NDF: 3036574.1/24

Left Out: 28.814 $\pm$ 0.005 χ^2 /NDF: 122153.6/24

Right Out: 27.600 $\pm$ 0.006 χ^2 /NDF: 3502751.6/29

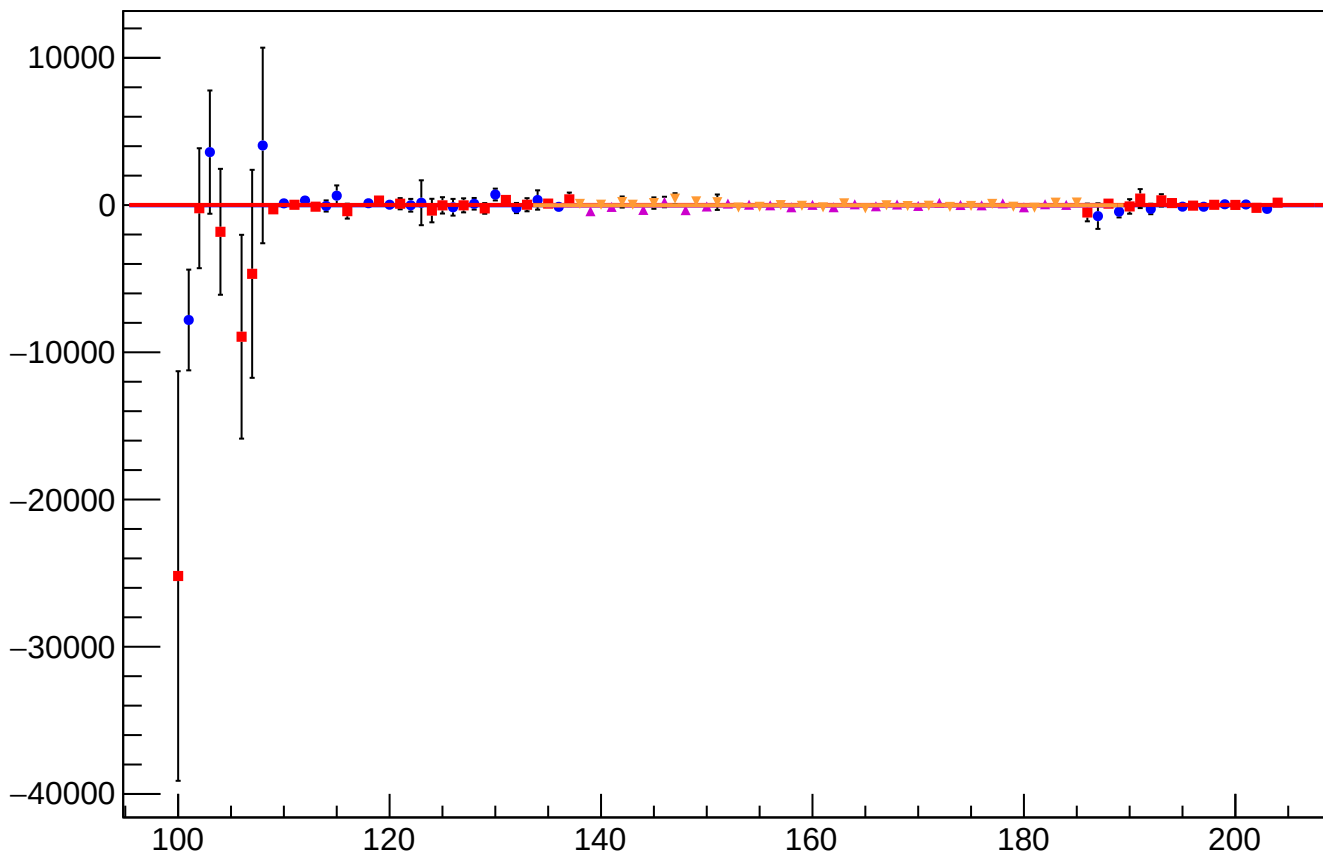
Left In: 28.797 $\pm$ 0.005 χ^2 /NDF: 128279.2/22

+ sign 28.352 $\pm$ 0.004 χ^2 /NDF: 3182949.7/49

All: 28.314 $\pm$ 0.003 χ^2 /NDF: 6840102.6/102

- sign 28.277 $\pm$ 0.004 χ^2 /NDF: 3656944.7/52

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -17.270 $\pm$ 56.257 χ^2 /NDF: 19.4/24

Left Out: -13.966 $\pm$ 48.735 χ^2 /NDF: 8.1/24

Right Out: 10.738 $\pm$ 53.690 χ^2 /NDF: 15.9/29

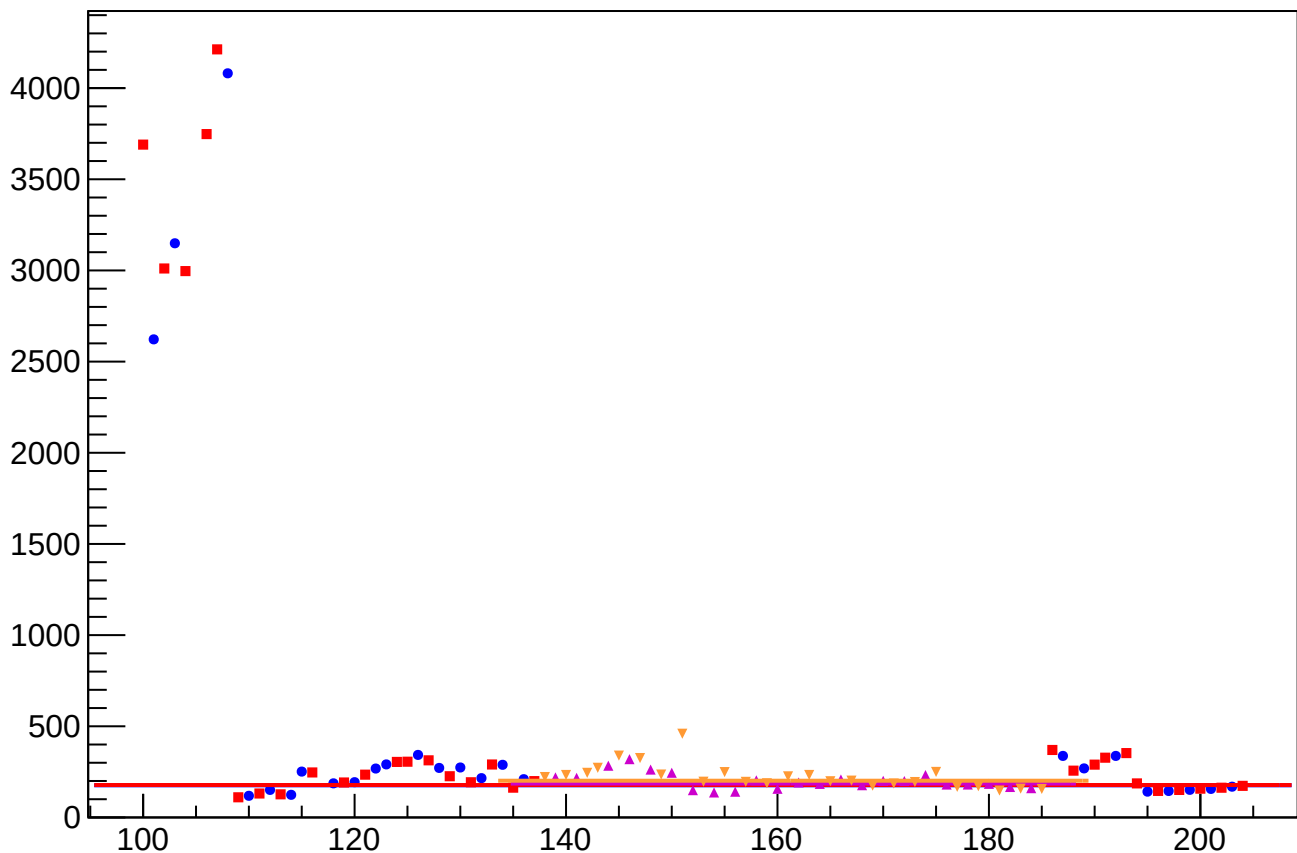
Left In: -31.477 $\pm$ 46.483 χ^2 /NDF: 7.8/22

+ sign -15.382 $\pm$ 36.836 χ^2 /NDF: 27.5/49

All: -14.340 $\pm$ 25.427 χ^2 /NDF: 51.6/102

- sign -13.391 $\pm$ 35.142 χ^2 /NDF: 24.1/52

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 176.317 $\pm$ 0.040 χ^2 /NDF: 4448057.8/24

Left Out: 201.503 $\pm$ 0.034 χ^2 /NDF:1854905.1/24

Right Out: 177.809 $\pm$ 0.038 χ^2 /NDF: 5263366.5/29

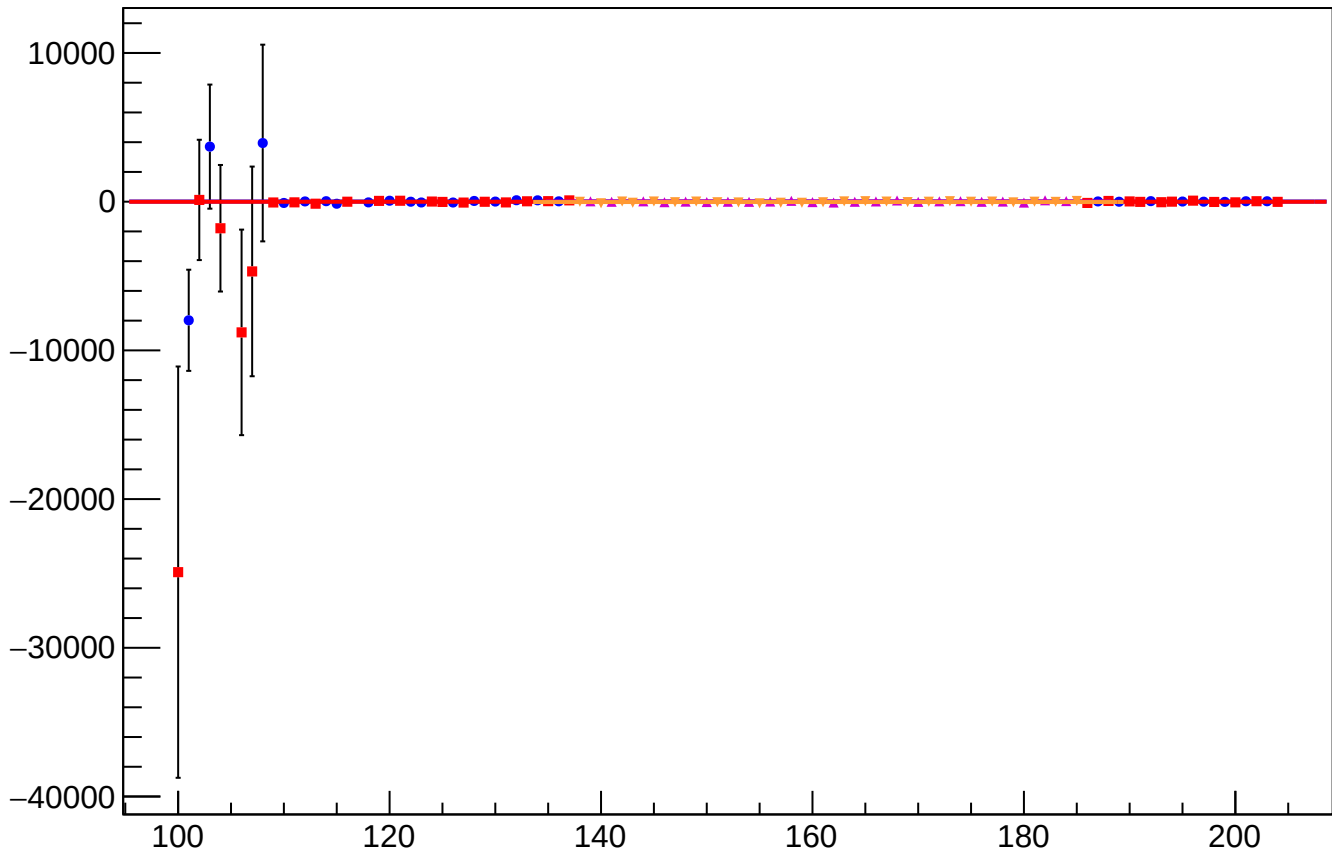
Left In: 185.878 $\pm$ 0.033 χ^2 /NDF:1380877.6/22

+ sign 190.705 $\pm$ 0.026 χ^2 /NDF: 6531957.1/49

All: 186.368 $\pm$ 0.018 χ^2 /NDF: 13254979.5/10

- sign 182.421 $\pm$ 0.025 χ^2 /NDF: 6670068.4/52

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 10.173+/-10.289 χ^2/NDF : 21.8/24

Left Out: -24.144+/-8.076 χ^2/NDF :24.9/24

Right Out: -4.931+/-9.637 χ^2/NDF : 31.7/29

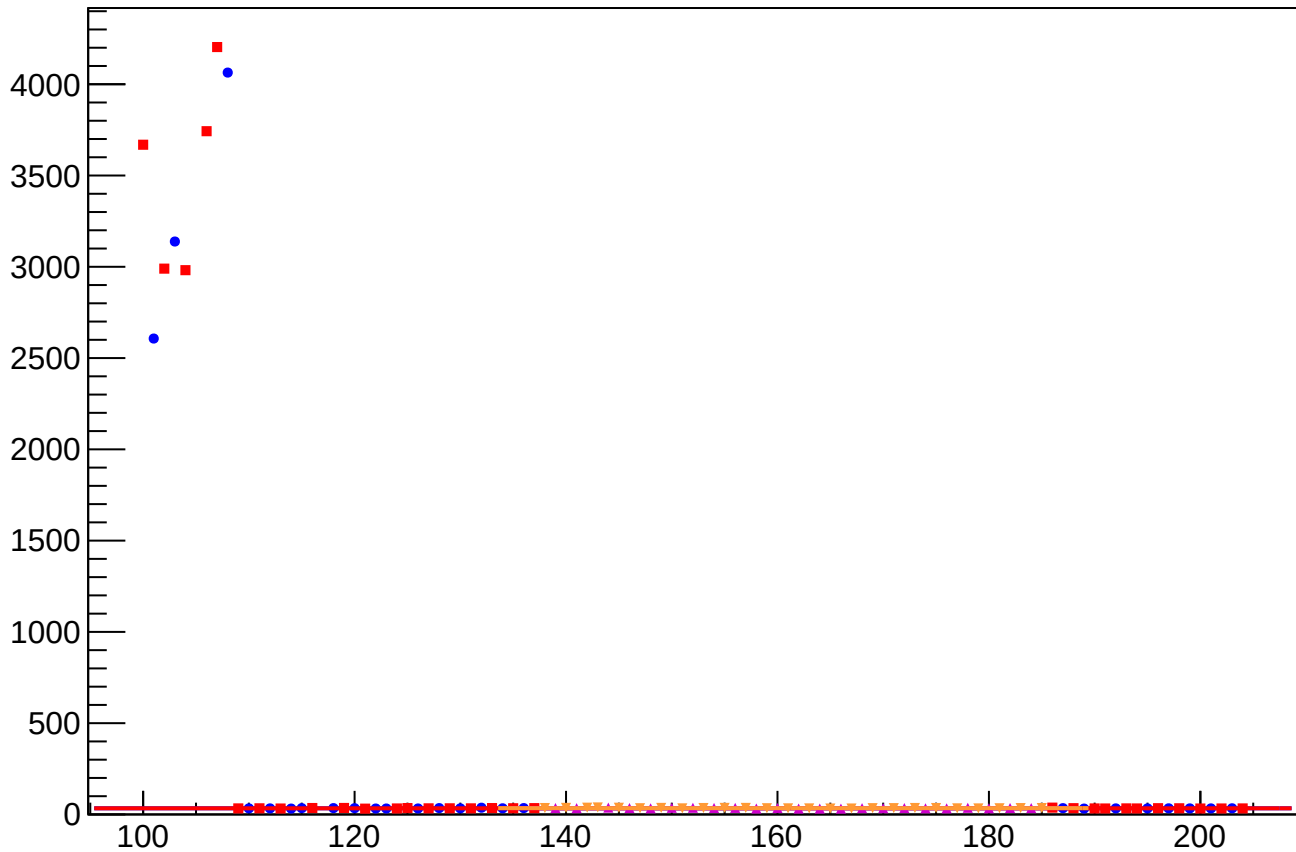
Left In: 5.924+/-8.340 χ^2/NDF :21.0/22

+ sign -11.060+/-6.353 χ^2/NDF : 53.5/49

All: -4.847+/-4.476 χ^2/NDF : 108.8/102

- sign 1.276+/-6.306 χ^2/NDF : 53.4/52

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.697 $\pm$ 0.007 χ^2 /NDF: 3011948.2/24

Left Out: 34.617 $\pm$ 0.006 χ^2 /NDF: 57868.4/24

Right Out: 33.685 $\pm$ 0.007 χ^2 /NDF: 3466370.1/29

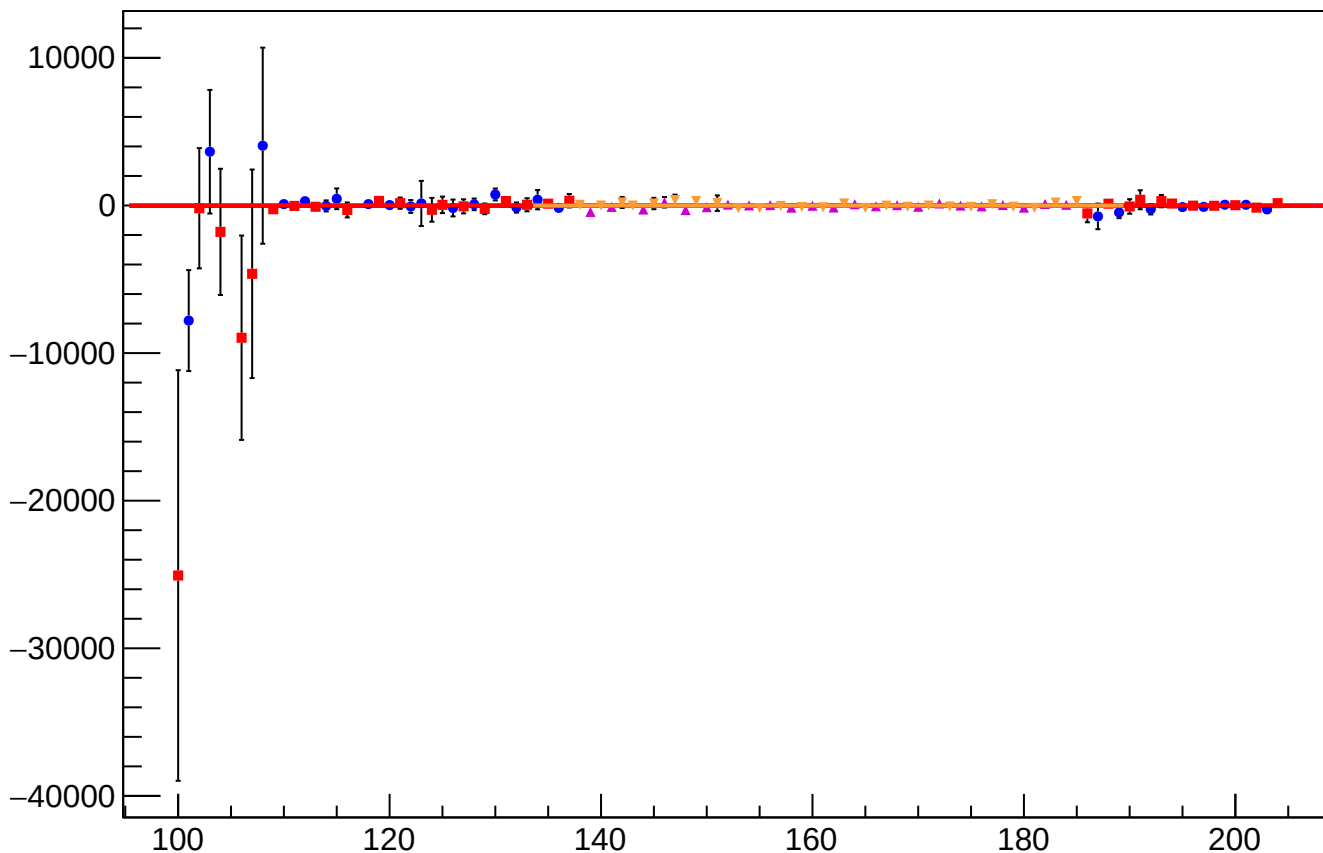
Left In: 34.682 $\pm$ 0.006 χ^2 /NDF: 59834.3/22

+ sign 34.266 $\pm$ 0.004 χ^2 /NDF: 3079725.4/49

All: 34.261 $\pm$ 0.003 χ^2 /NDF: 6618154.1/102

- sign 34.255 $\pm$ 0.004 χ^2 /NDF: 3538425.6/52

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -21.174 ± 56.086 χ^2/NDF : 18.9/24

Left Out: -7.558 ± 48.662 χ^2/NDF : 8.8/24

Right Out: 13.900 ± 53.470 χ^2/NDF : 14.3/29

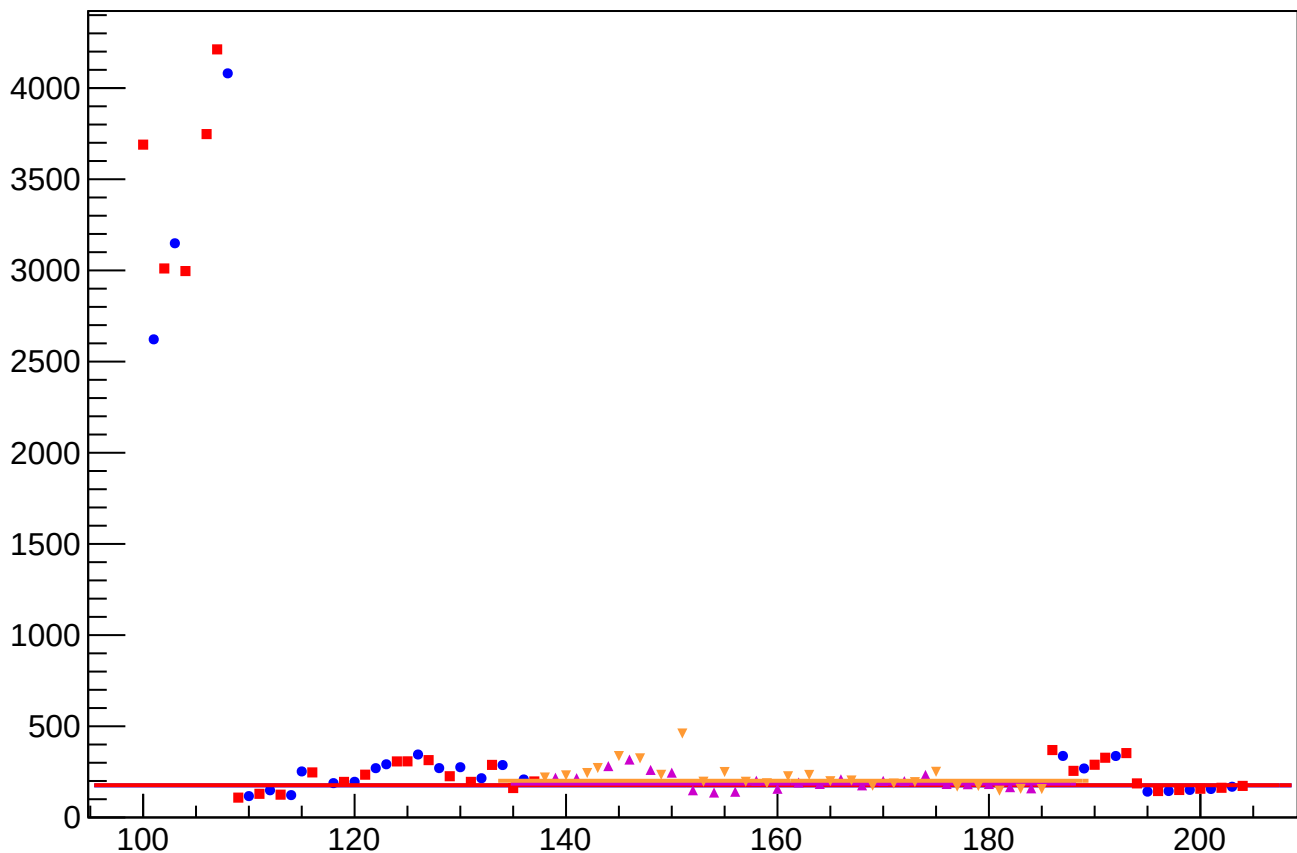
Left In: -34.977 ± 46.421 χ^2/NDF : 7.1/22

+ sign -13.406 ± 36.756 χ^2/NDF : 27.7/49

All: -13.702 ± 25.367 χ^2/NDF : 49.6/102

- sign -13.971 ± 35.054 χ^2/NDF : 21.9/52

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 175.661 $\pm$ 0.040 χ^2 /NDF: 4477508.1/24

Left Out: 201.198 $\pm$ 0.034 χ^2 /NDF: 1848437.4/24

Right Out: 176.871 $\pm$ 0.038 χ^2 /NDF: 5313614.8/29

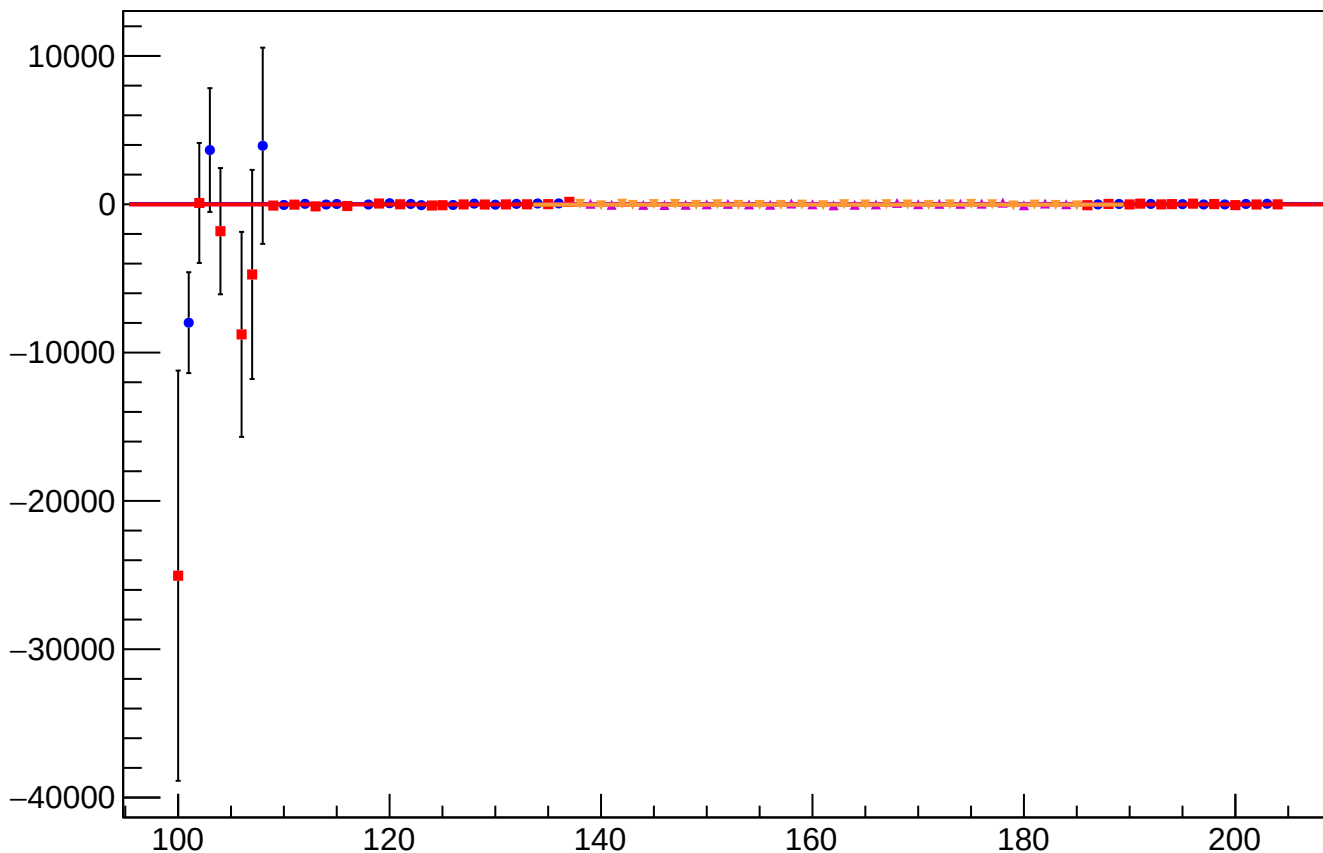
Left In: 185.627 $\pm$ 0.033 χ^2 /NDF: 1371411.2/22

+ sign 190.230 $\pm$ 0.026 χ^2 /NDF: 6562511.4/49

All: 185.849 $\pm$ 0.018 χ^2 /NDF: 13332393.1/10

- sign 181.864 $\pm$ 0.025 χ^2 /NDF: 6715613.9/52

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 12.937 $\pm$ 9.328 χ^2 /NDF: 16.5/24

Left Out: -23.320 $\pm$ 7.352 χ^2 /NDF:18.3/24

Right Out: -9.726 $\pm$ 8.734 χ^2 /NDF: 36.2/29

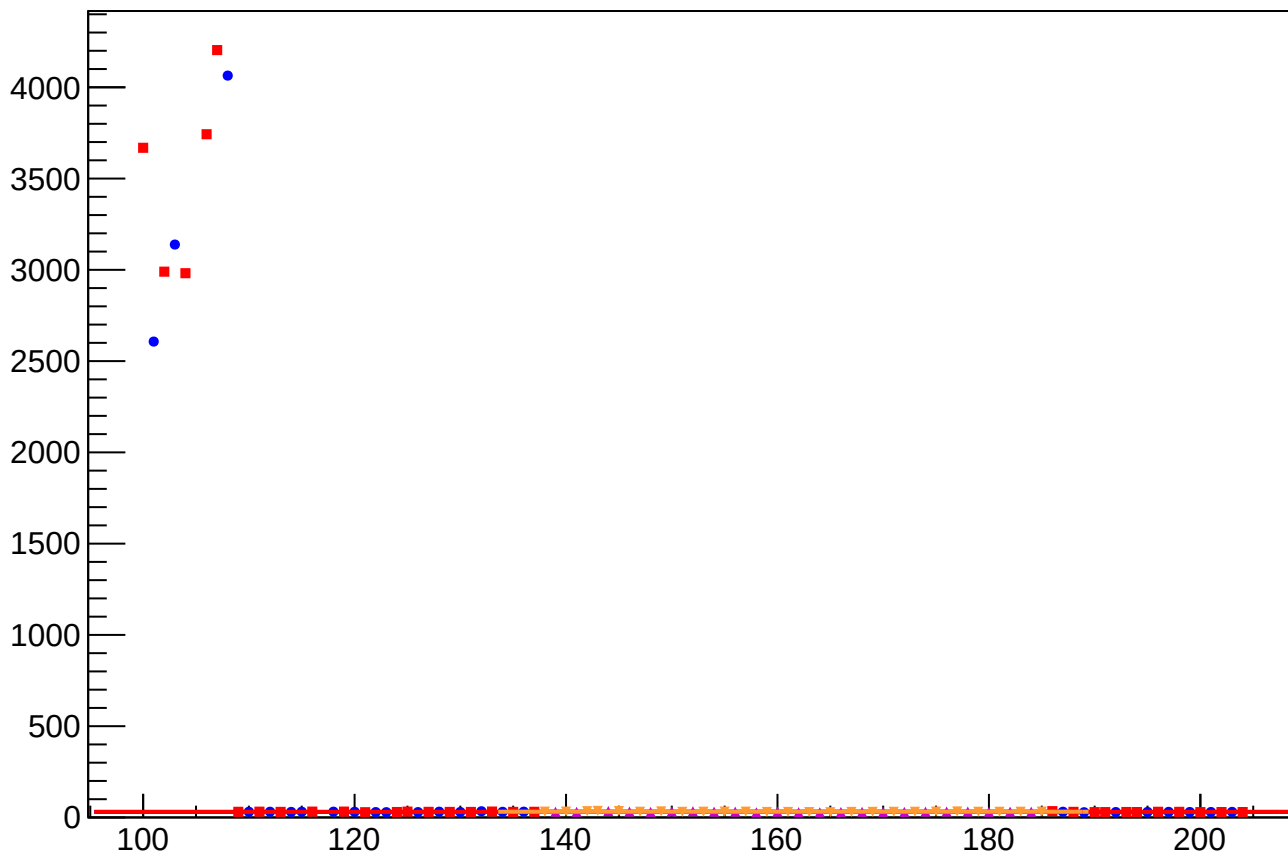
Left In: 6.386 $\pm$ 7.577 χ^2 /NDF:38.7/22

+ sign -9.427 $\pm$ 5.774 χ^2 /NDF: 44.2/49

All: -4.941 $\pm$ 4.065 χ^2 /NDF: 122.2/102

- sign -0.533 $\pm$ 5.723 χ^2 /NDF: 76.8/52

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.540 $\pm$ 0.007 χ^2 /NDF: 3026142.9/24

Left Out: 31.488 $\pm$ 0.005 χ^2 /NDF: 81938.2/24

Right Out: 30.501 $\pm$ 0.006 χ^2 /NDF: 3482188.7/29

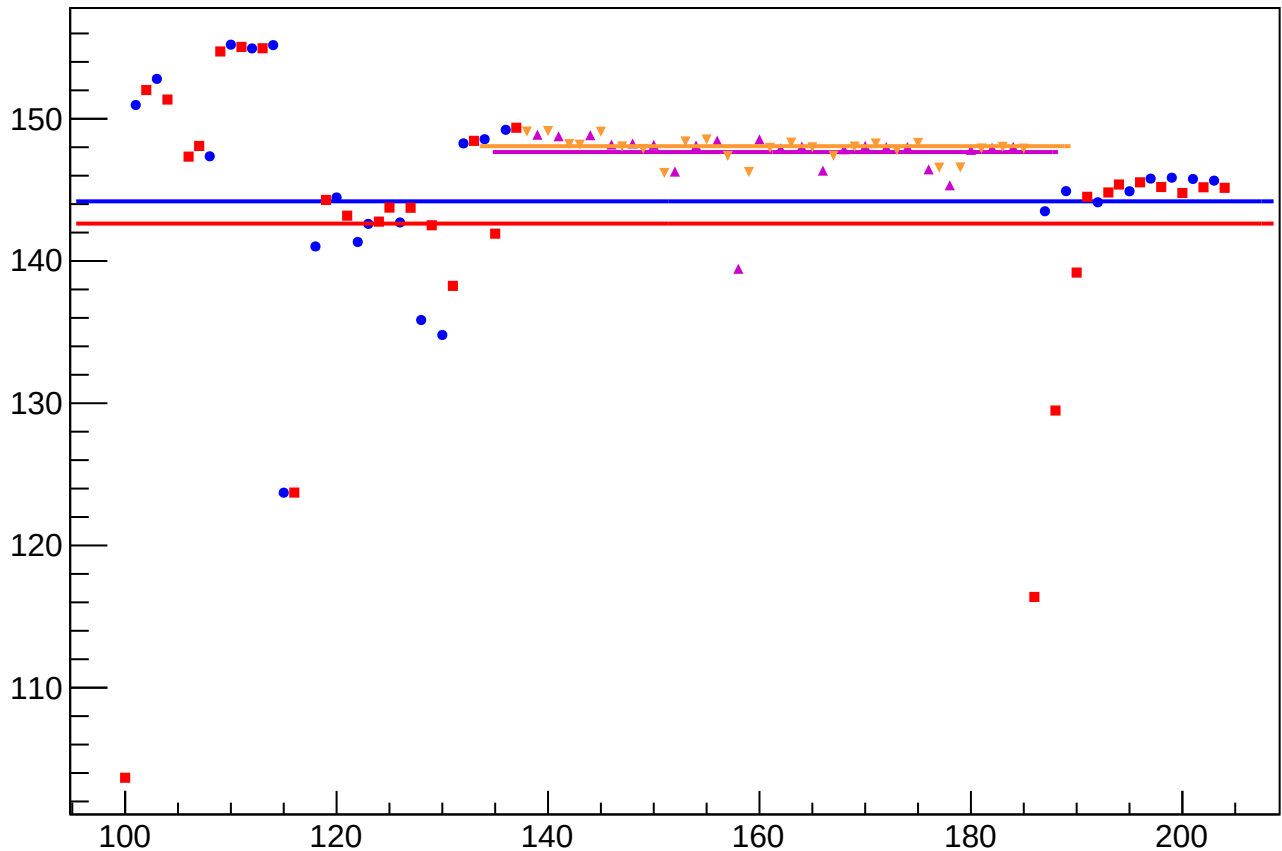
Left In: 31.475 $\pm$ 0.005 χ^2 /NDF: 87797.5/22

+ sign 31.125 $\pm$ 0.004 χ^2 /NDF: 3120826.8/49

All: 31.091 $\pm$ 0.003 χ^2 /NDF: 6705148.5/102

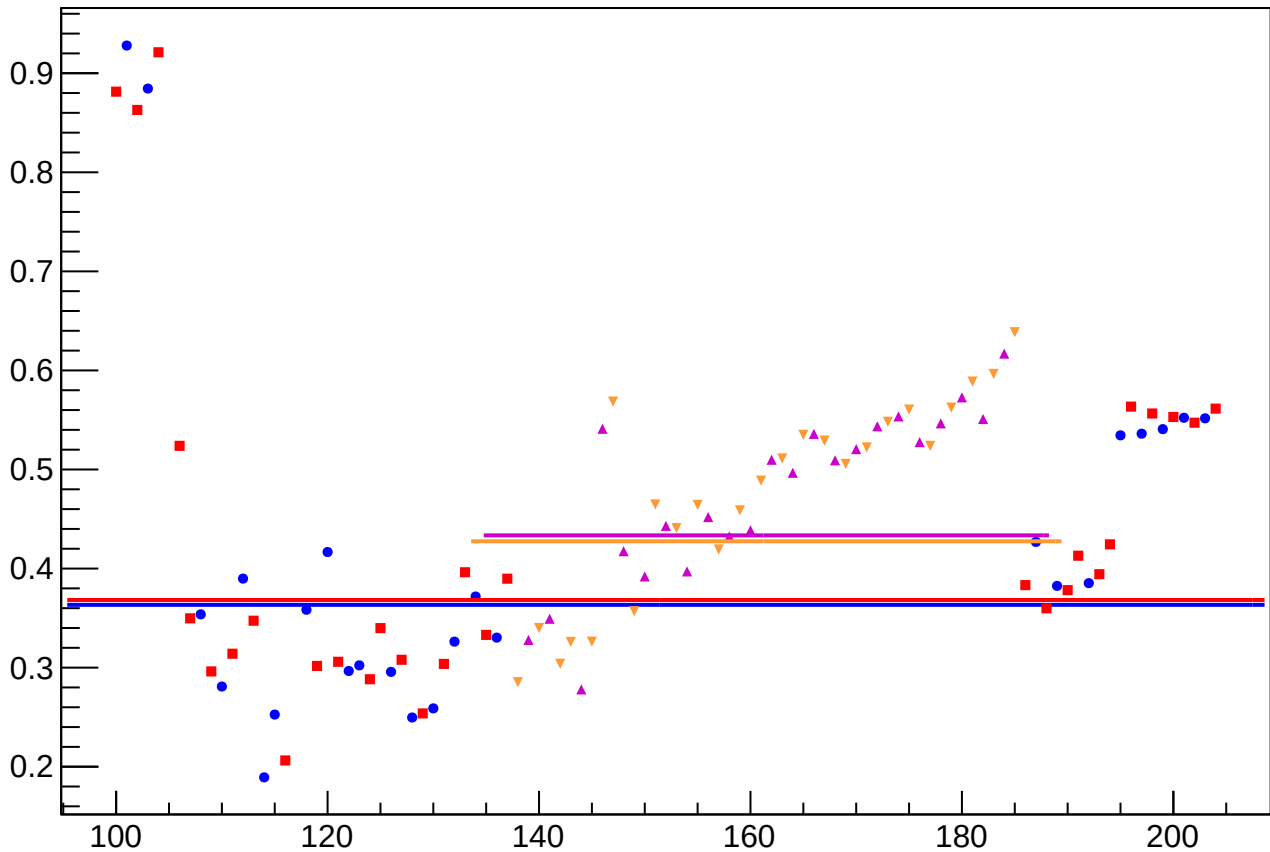
- sign 31.057 $\pm$ 0.004 χ^2 /NDF: 3584181.4/52

yield_bcm_an_ds_mean vs Slug



Right In: 144.196 $\pm$ 0.000	χ^2 /NDF: 3482731531.6/24	+ sign 146.303 $\pm$ 0.000	χ^2 /NDF: 4184564621.9/49
Left Out: 148.074 $\pm$ 0.000	χ^2 /NDF: 65673678.9/24	All: 145.686 $\pm$ 0.000	χ^2 /NDF: 13159464325.
Right Out: 142.631 $\pm$ 0.000	χ^2 /NDF: 7392236268.4/29	- sign 145.088 $\pm$ 0.000	χ^2 /NDF: 8847160277.4/52
Left In: 147.660 $\pm$ 0.000	χ^2 /NDF: 343892338.9/22		

yield_bcm_an_ds_rms vs Slug



Right In: 0.363 $\pm$ 0.000 χ^2/NDF : 2348386.7/24

Left Out: 0.428 $\pm$ 0.000 χ^2/NDF : 1892802.8/24

Right Out: 0.368 $\pm$ 0.000 χ^2/NDF : 2321818.6/29

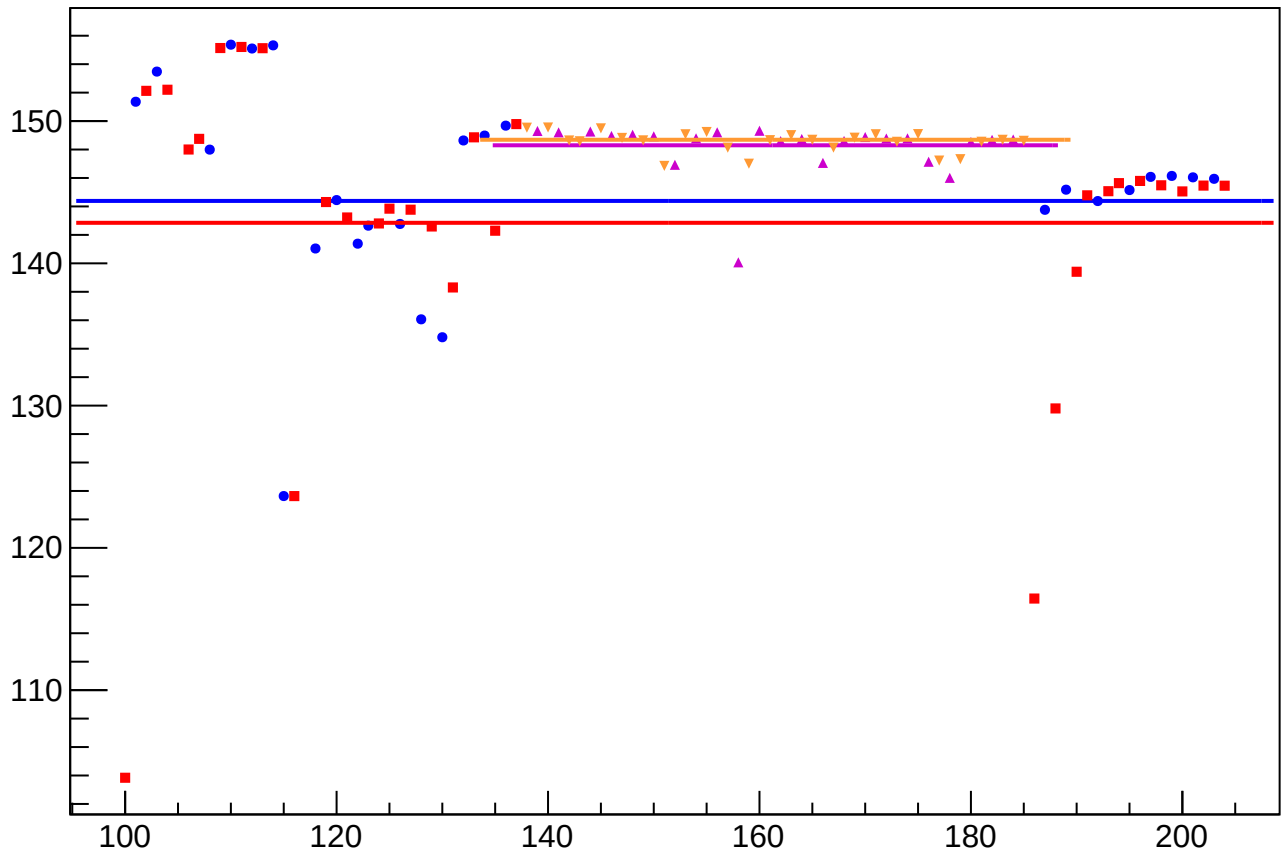
Left In: 0.434 $\pm$ 0.000 χ^2/NDF : 1479367.0/22

+ sign 0.398 $\pm$ 0.000 χ^2/NDF : 4588964.9/49

All: 0.399 $\pm$ 0.000 χ^2/NDF : 8764270.4/102

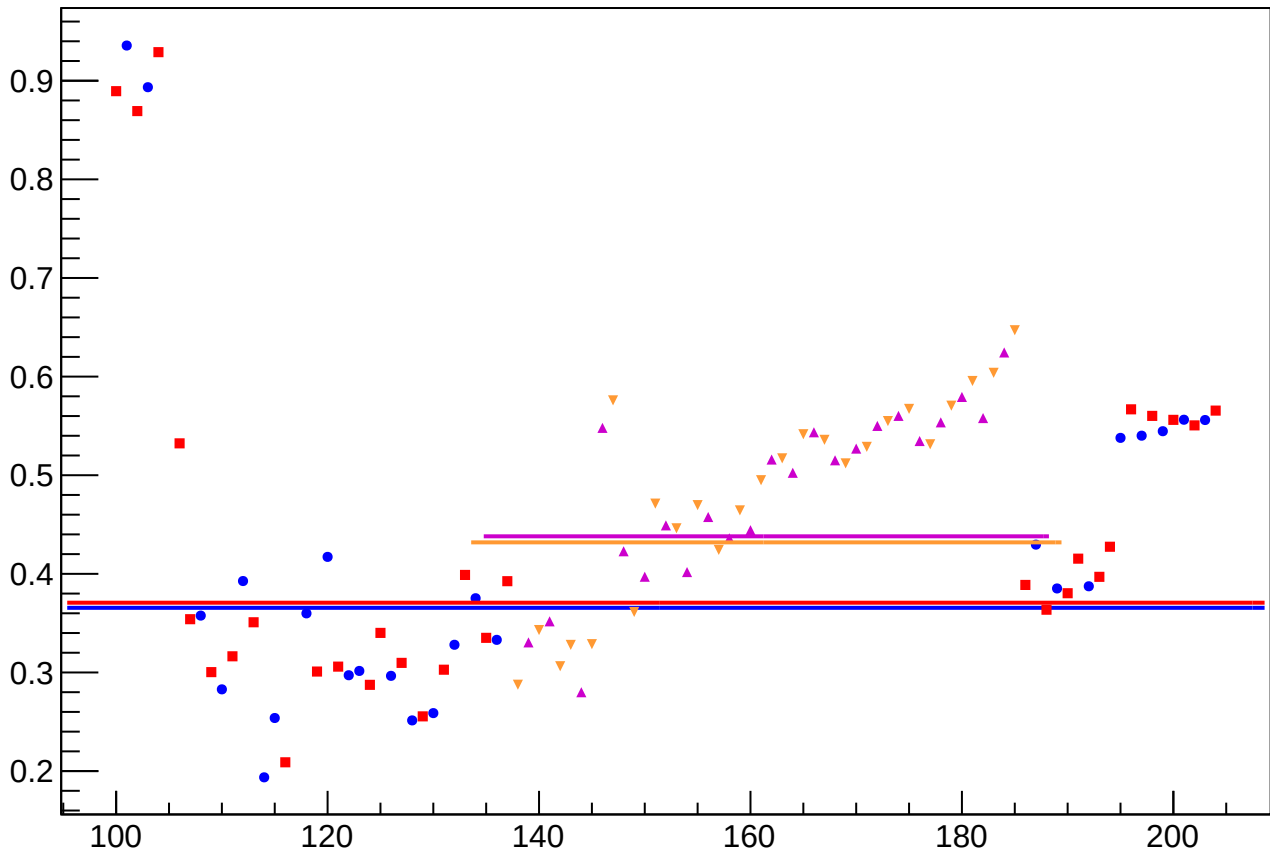
- sign 0.400 $\pm$ 0.000 χ^2/NDF : 4174669.4/52

yield_bcm_an_ds3_mean vs Slug



Right In: 144.387+/-0.000	χ^2/NDF : 3530706171.2/24	+ sign 146.713+/-0.000	χ^2/NDF : 4352214974.1/49
Left Out: 148.687+/-0.000	χ^2/NDF : 52285197.5/24	All: 146.097+/-0.000	χ^2/NDF : 13431591593.
Right Out: 142.849+/-0.000	χ^2/NDF : 7340305617.6/29	- sign 145.499+/-0.000	χ^2/NDF : 8954007718.9/52
Left In: 148.298+/-0.000	χ^2/NDF : 332527463.6/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.366 ± 0.000 $\chi^2/\text{NDF}: 2354888.0/24$

Left Out: 0.432 ± 0.000 $\chi^2/\text{NDF}: 1924979.0/24$

Right Out: 0.371 ± 0.000 $\chi^2/\text{NDF}: 2326004.7/29$

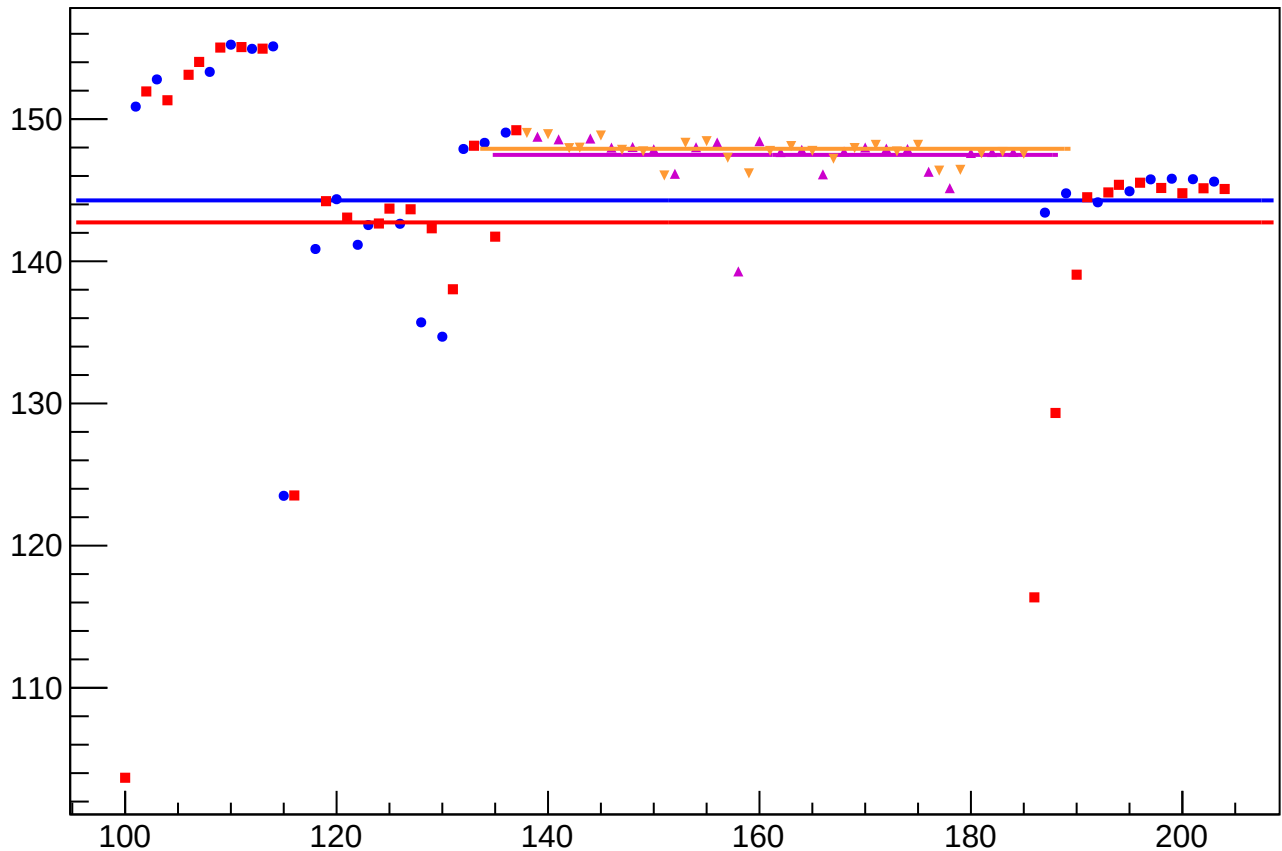
Left In: 0.438 ± 0.000 $\chi^2/\text{NDF}: 1504635.6/22$

+ sign 0.401 ± 0.000 $\chi^2/\text{NDF}: 4646356.8/49$

All: 0.402 ± 0.000 $\chi^2/\text{NDF}: 8868778.0/102$

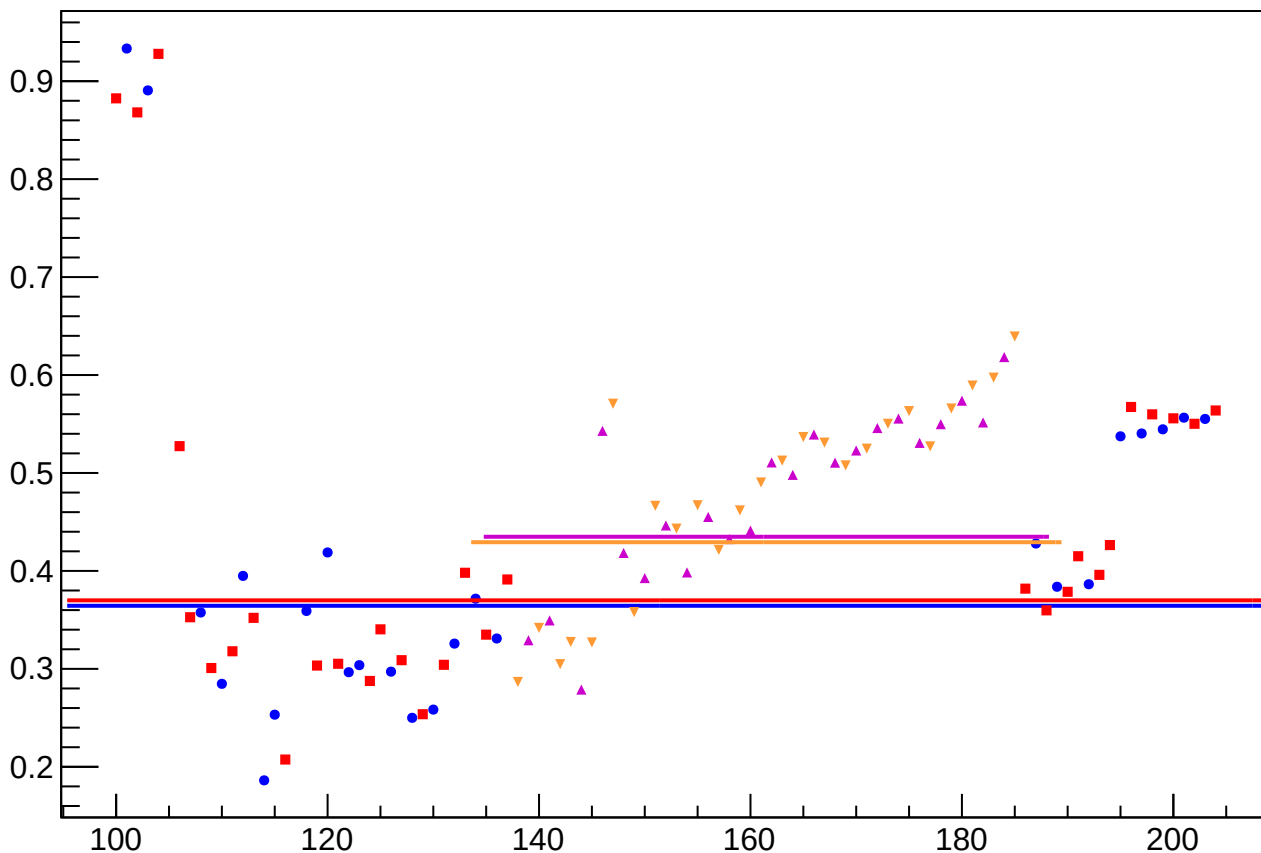
- sign 0.403 ± 0.000 $\chi^2/\text{NDF}: 4221721.3/52$

yield_bcm_an_us_mean vs Slug



Right In: 144.282 $\pm$ 0.000	χ^2 /NDF: 3689772596.2/24	+ sign 146.253 $\pm$ 0.000	χ^2 /NDF: 4307176416.6/49
Left Out: 147.912 $\pm$ 0.000	χ^2 /NDF: 64463426.1/24	All: 145.646 $\pm$ 0.000	χ^2 /NDF: 13527380809.
Right Out: 142.734 $\pm$ 0.000	χ^2 /NDF: 7771716707.7/29	- sign 145.057 $\pm$ 0.000	χ^2 /NDF: 9097347430.5/52
Left In: 147.483 $\pm$ 0.000	χ^2 /NDF: 342674720.4/22		

yield_bcm_an_us_rms vs Slug



Right In: 0.364 ± 0.000 $\chi^2/\text{NDF}: 2378765.2/24$

Left Out: 0.429 ± 0.000 $\chi^2/\text{NDF}: 1891709.3/24$

Right Out: 0.370 ± 0.000 $\chi^2/\text{NDF}: 2326694.8/29$

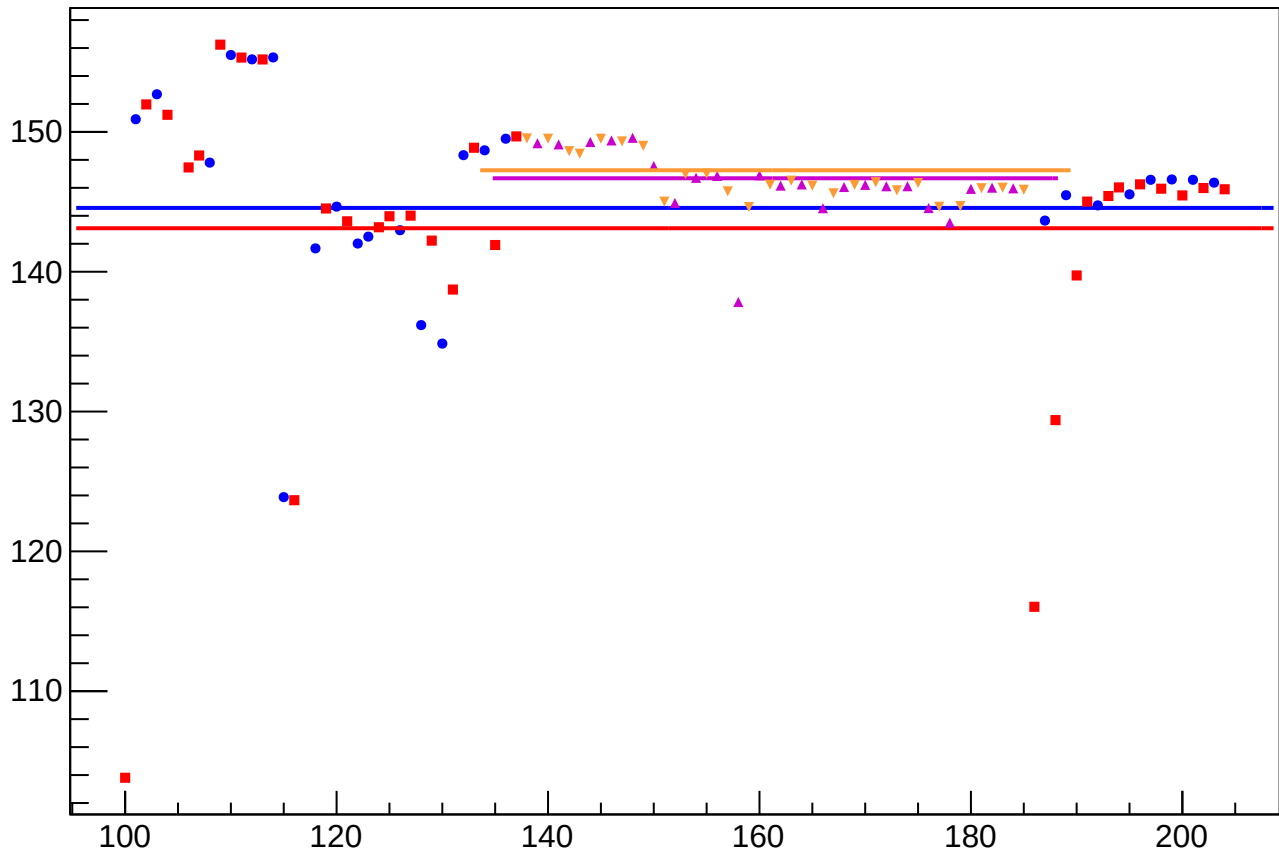
Left In: 0.435 ± 0.000 $\chi^2/\text{NDF}: 1485915.1/22$

+ sign 0.400 ± 0.000 $\chi^2/\text{NDF}: 4623904.2/49$

All: 0.401 ± 0.000 $\chi^2/\text{NDF}: 8804562.7/102$

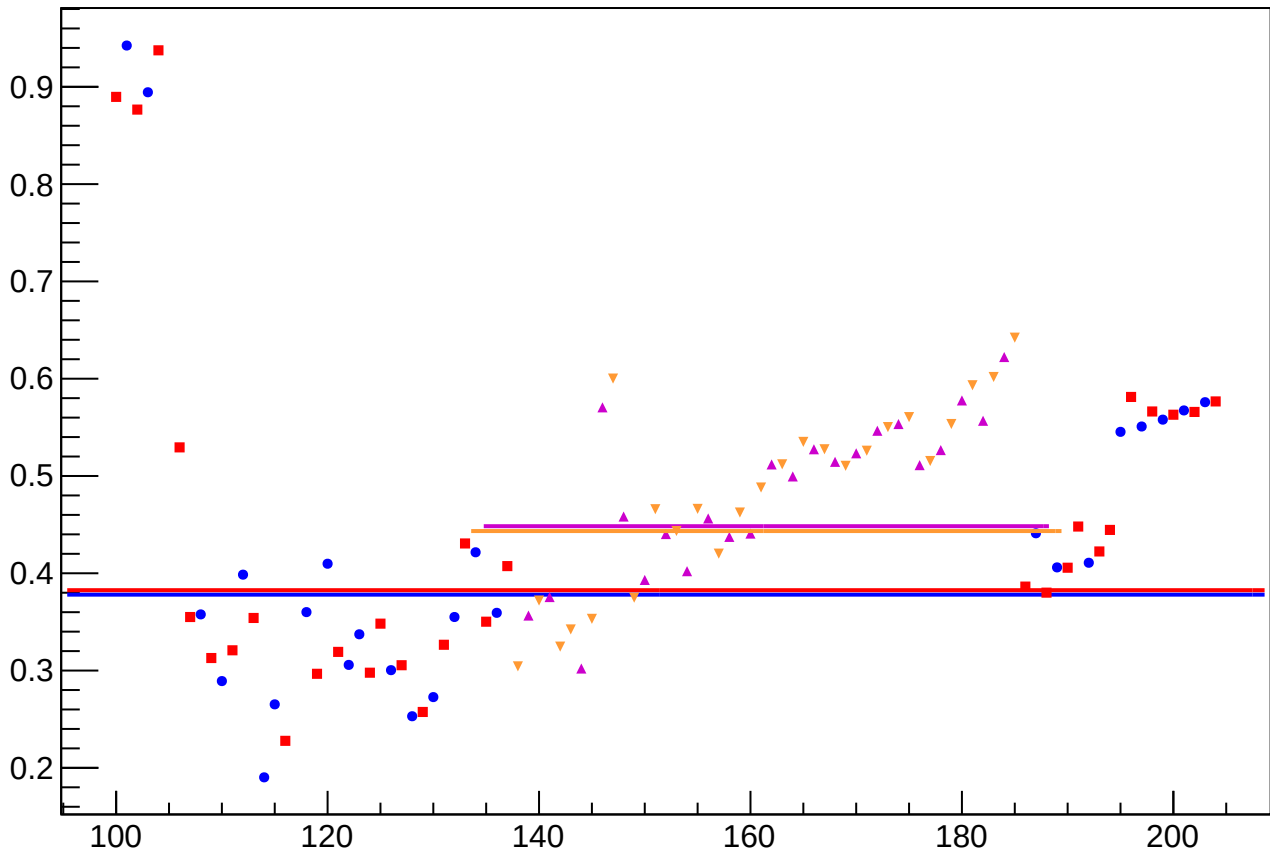
- sign 0.402 ± 0.000 $\chi^2/\text{NDF}: 4179928.8/52$

yield_bcm_dg_us_mean vs Slug



Right In: 144.566 ± 0.000 χ^2/NDF : 3212585916.0/24
 Left Out: 147.257 ± 0.000 χ^2/NDF : 261906278.3/24
 Right Out: 143.111 ± 0.000 χ^2/NDF : 7104903386.0/29
 Left In: 146.685 ± 0.000 χ^2/NDF : 554922388.0/22
 All: 145.448 ± 0.000 χ^2/NDF : 12052909682.0/100
 + sign: 146.041 ± 0.000 χ^2/NDF : 3759177517.2/49
 - sign: 144.875 ± 0.000 χ^2/NDF : 8184123082.9/52

yield_bcm_dg_us_rms vs Slug



Right In: 0.378 $\pm$ 0.000 χ^2 /NDF: 2326058.4/24

Left Out: 0.443 $\pm$ 0.000 χ^2 /NDF:1480479.3/24

Right Out: 0.383 $\pm$ 0.000 χ^2 /NDF: 2267045.0/29

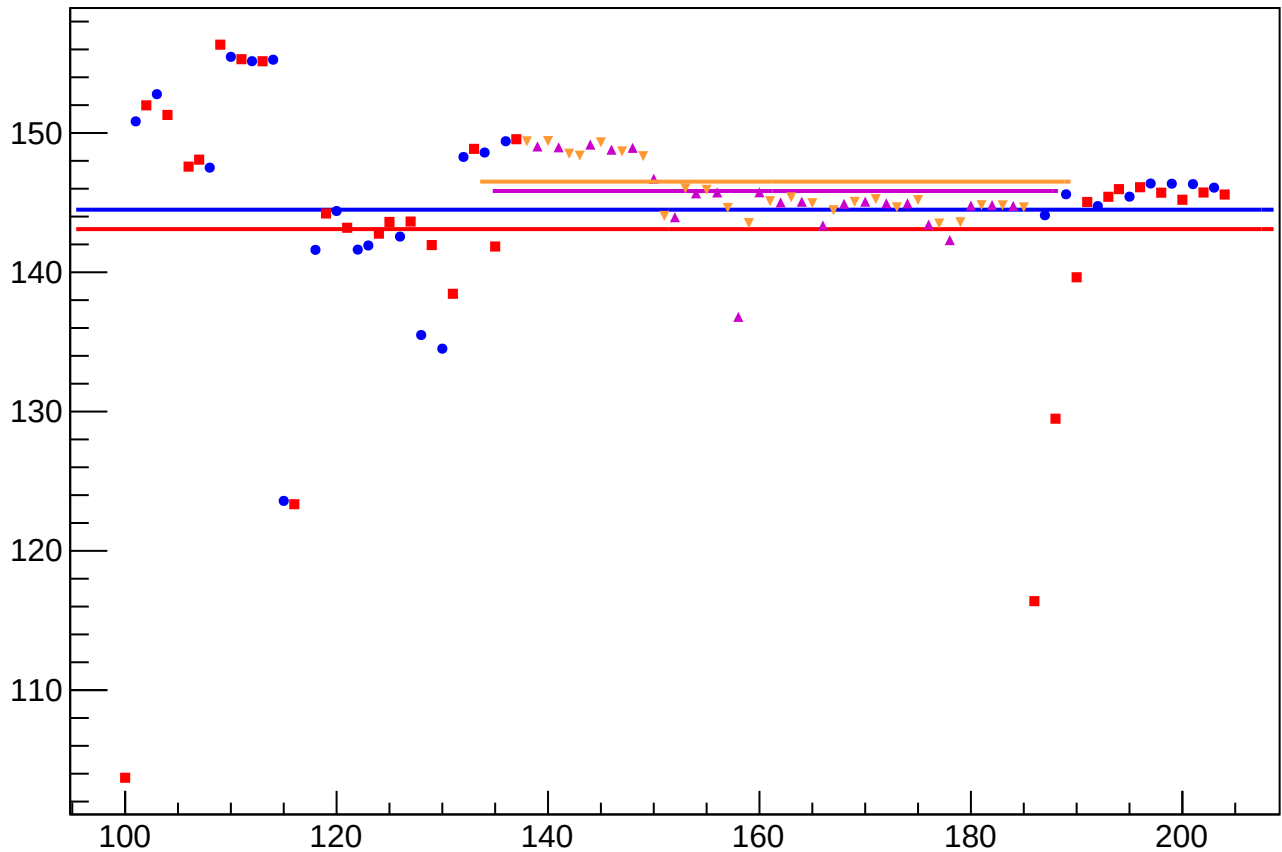
Left In: 0.448 $\pm$ 0.000 χ^2 /NDF:1120261.8/22

+ sign 0.414 $\pm$ 0.000 χ^2 /NDF: 4142192.2/49

All: 0.414 $\pm$ 0.000 χ^2 /NDF: 7884923.5/102

- sign 0.415 $\pm$ 0.000 χ^2 /NDF: 3742483.8/52

yield_bcm_dg_ds_mean vs Slug



Right In: 144.494+/-0.000 χ^2/NDF : 3324511095.7/24

Left Out: 146.508+/-0.000 χ^2/NDF : 401248837.9/24

Right Out: 143.099+/-0.000 χ^2/NDF : 7062764243.5/29

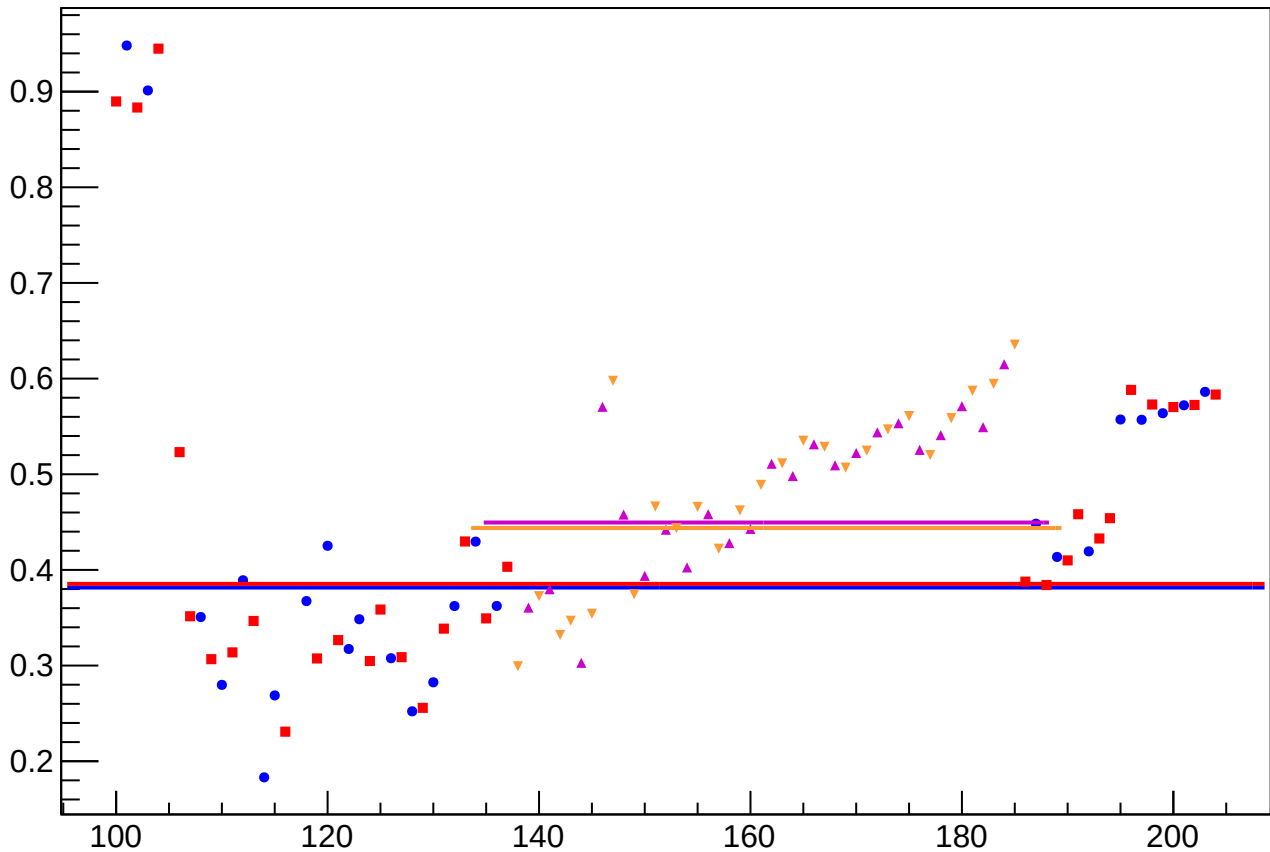
Left In: 145.834+/-0.000 χ^2/NDF : 690172810.0/22

+ sign 145.608+/-0.000 χ^2/NDF : 3883043969.4/49

All: 145.023+/-0.000 χ^2/NDF : 12045050310.

- sign 144.458+/-0.000 χ^2/NDF : 8056523198.9/52

yield_bcm_dg_ds_rms vs Slug



Right In: 0.382 ± 0.000 χ^2/NDF : 2369829.0/24

Left Out: 0.444 ± 0.000 χ^2/NDF : 1460383.7/24

Right Out: 0.385 ± 0.000 χ^2/NDF : 2292638.5/29

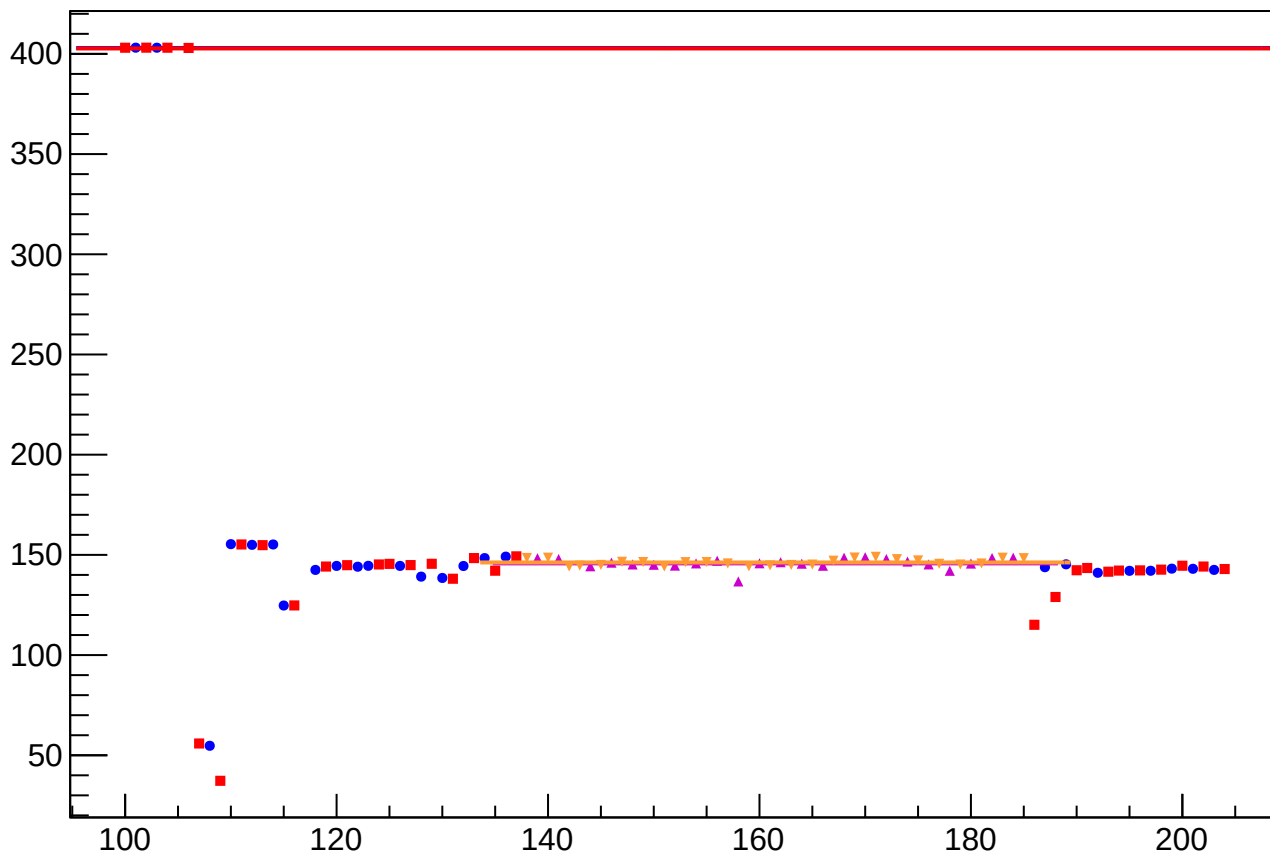
Left In: 0.450 ± 0.000 χ^2/NDF : 1092776.5/22

+ sign 0.416 ± 0.000 χ^2/NDF : 4130515.3/49

All: 0.417 ± 0.000 χ^2/NDF : 7849744.6/102

- sign 0.417 ± 0.000 χ^2/NDF : 3718963.6/52

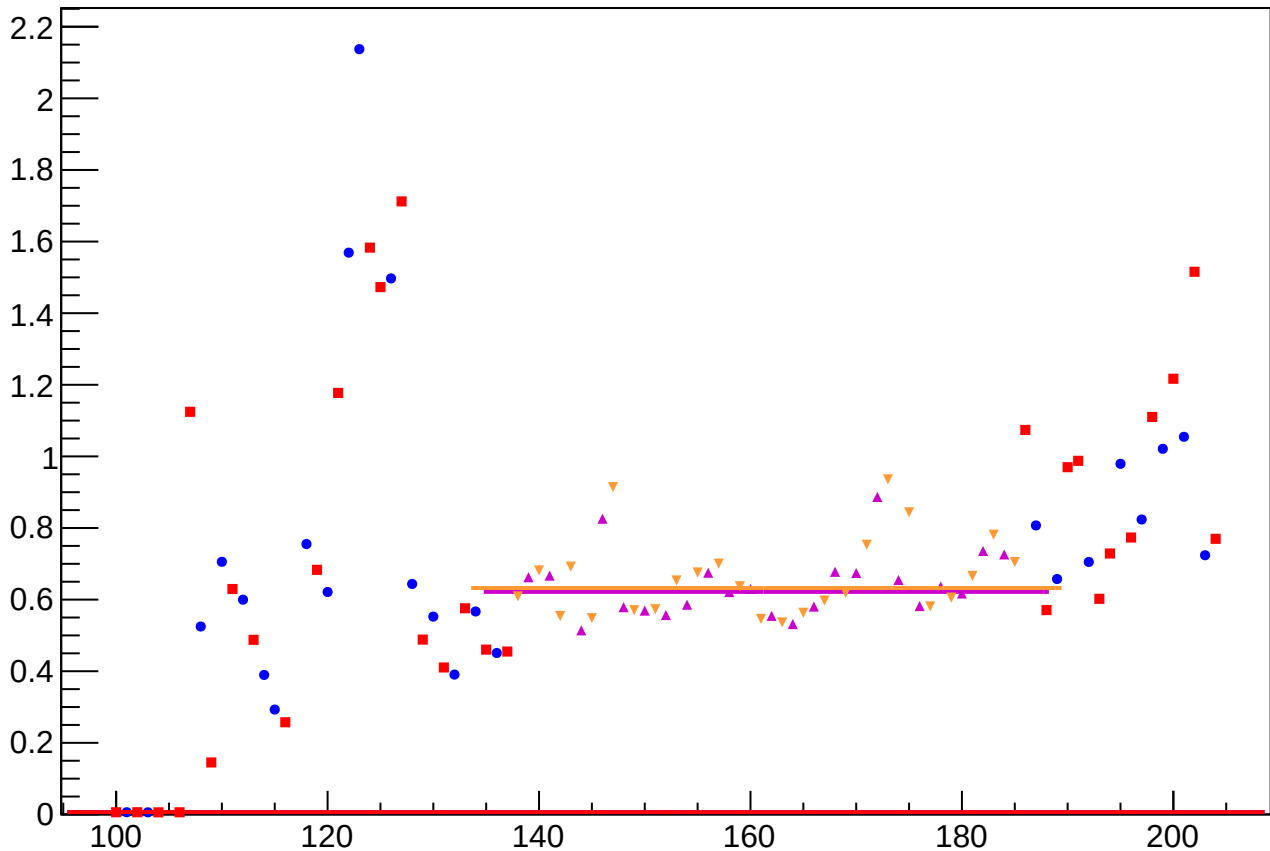
yield_cav4bQ_mean vs Slug



Right In: 402.904 $\pm$ 0.000 χ^2 /NDF: 1526334765288.0/24
 Left Out: 146.216 $\pm$ 0.000 χ^2 /NDF: 86042286.3/24
 Right Out: 402.728 $\pm$ 0.000 χ^2 /NDF: 3762560102250.0/29
 Left In: 145.755 $\pm$ 0.000 χ^2 /NDF: 206171532.0/22

+ sign 402.609 $\pm$ 0.000 χ^2 /NDF: 3886655209447.4
 All: 402.536 $\pm$ 0.000 χ^2 /NDF: 99779530458
 - sign 402.471 $\pm$ 0.000 χ^2 /NDF: 6090982258210.7/

yield_cav4bQ_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 17611795.1/24

Left Out: 0.632 $\pm$ 0.000 χ^2 /NDF:613604.5/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 20774388.5/29

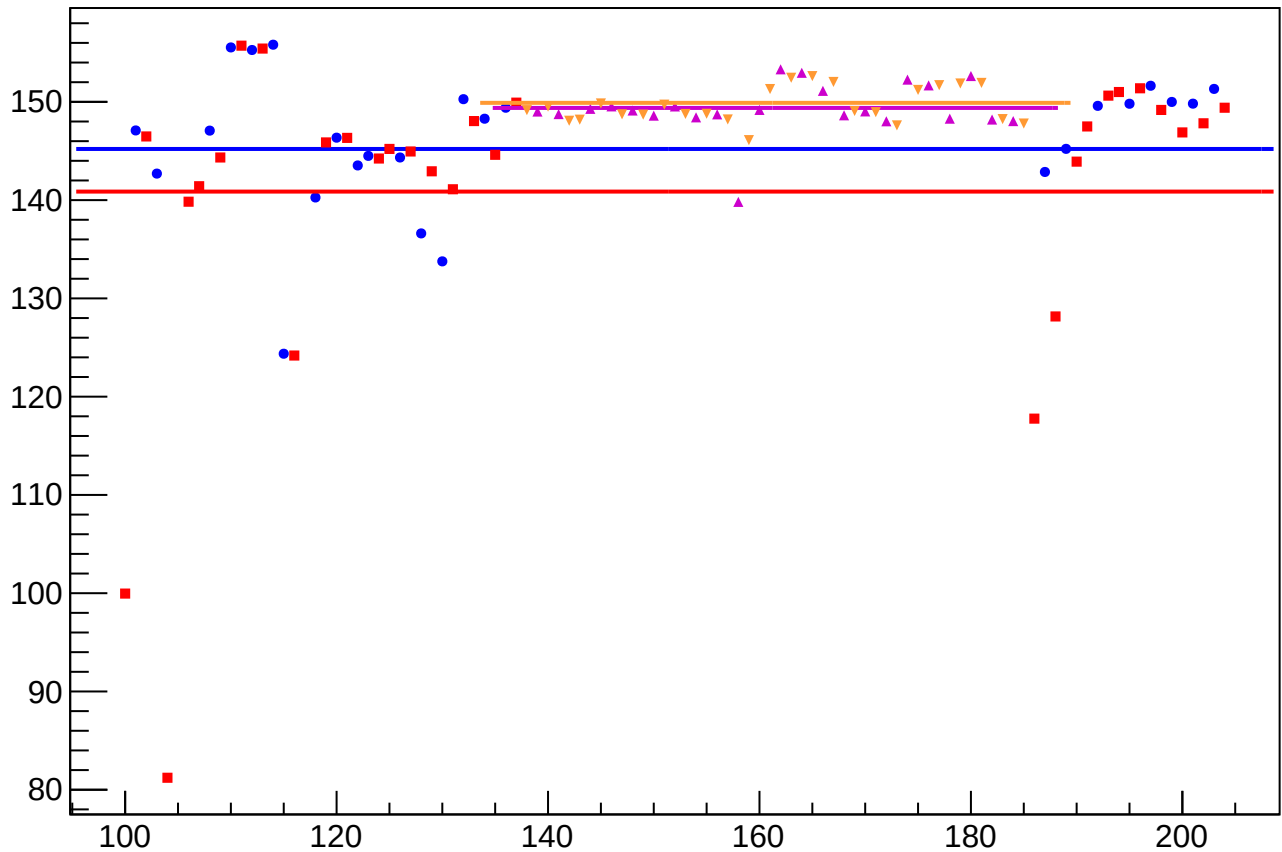
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:399965.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 46292060.1/49

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 94143509.2/102

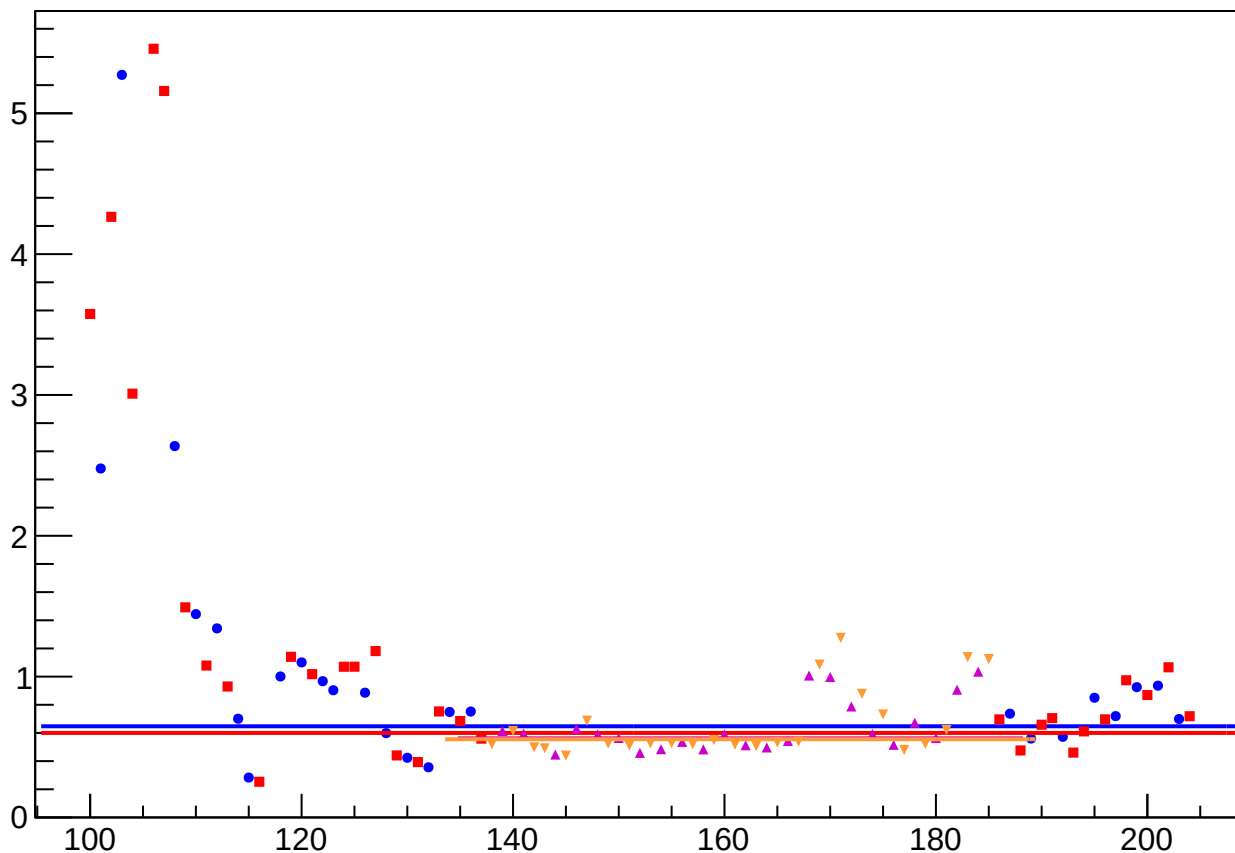
- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 47851243.4/52

yield_cav4cQ_mean vs Slug



Right In: 145.206+/-0.000	χ^2/NDF : 1299155916.4/24	+ sign 148.638+/-0.000	χ^2/NDF : 1762507800.7/49
Left Out: 149.900+/-0.000	χ^2/NDF : 162845622.6/24	All: 147.521+/-0.000	χ^2/NDF : 6693456510.1
Right Out: 140.869+/-0.000	χ^2/NDF : 3145128641.8/29	- sign 146.447+/-0.000	χ^2/NDF : 4761044179.2/52
Left In: 149.382+/-0.000	χ^2/NDF : 434657827.5/22		

yield_cav4cQ_rms vs Slug



Right In: 0.647 ± 0.000 χ^2/NDF : 3984296.6/24

Left Out: 0.555 ± 0.000 χ^2/NDF : 1773688.1/24

Right Out: 0.600 ± 0.000 χ^2/NDF : 5484211.0/29

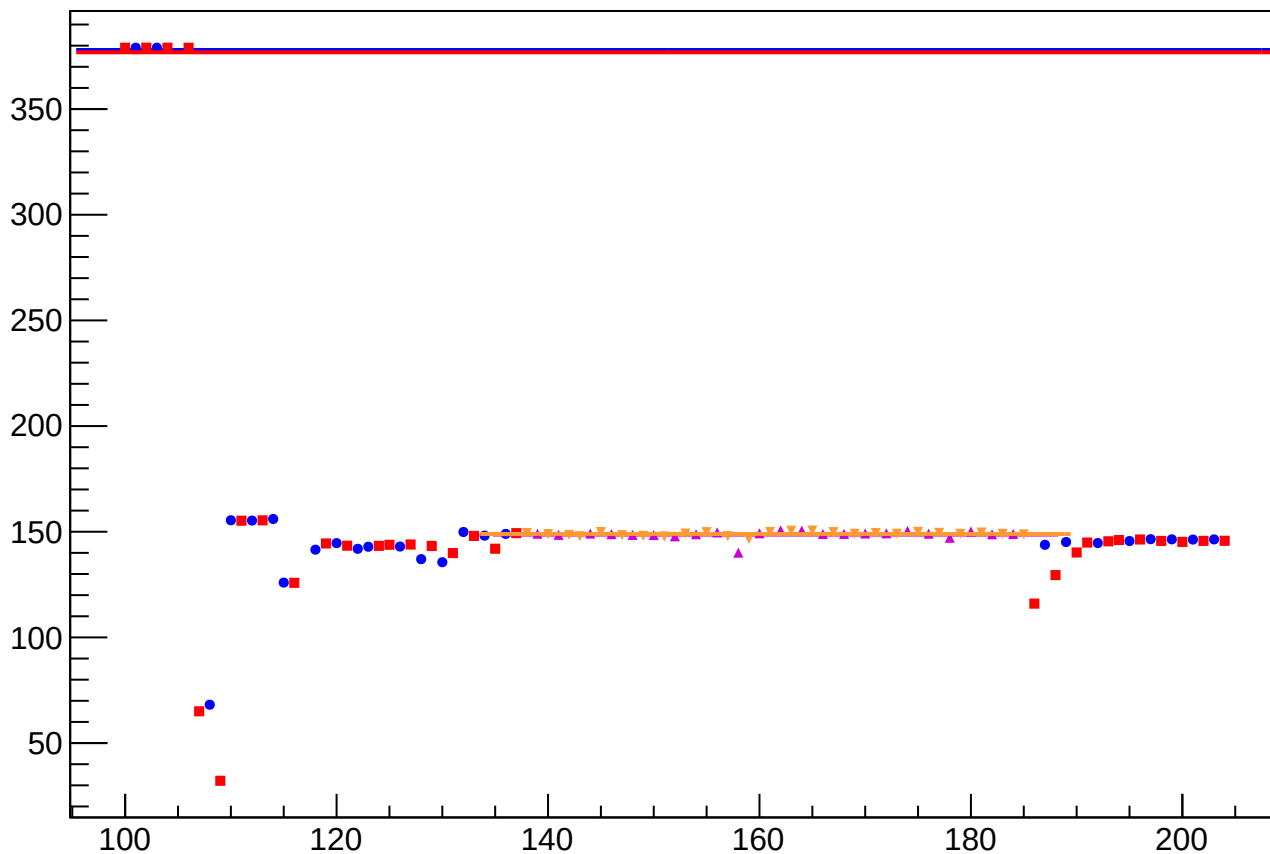
Left In: 0.562 ± 0.000 χ^2/NDF : 1305573.4/22

+ sign 0.580 ± 0.000 χ^2/NDF : 5988354.7/49

All: 0.578 ± 0.000 χ^2/NDF : 12828182.0/102

- sign 0.575 ± 0.000 χ^2/NDF : 6837937.4/52

yield_cav4dQ_mean vs Slug



Right In: 377.954 $\pm$ 0.000 χ^2 /NDF: 3525157835200.1/24

Left Out: 148.944 $\pm$ 0.000 χ^2 /NDF: 63976941.3/24

Right Out: 376.863 $\pm$ 0.000 χ^2 /NDF: 9814728244310.4/29

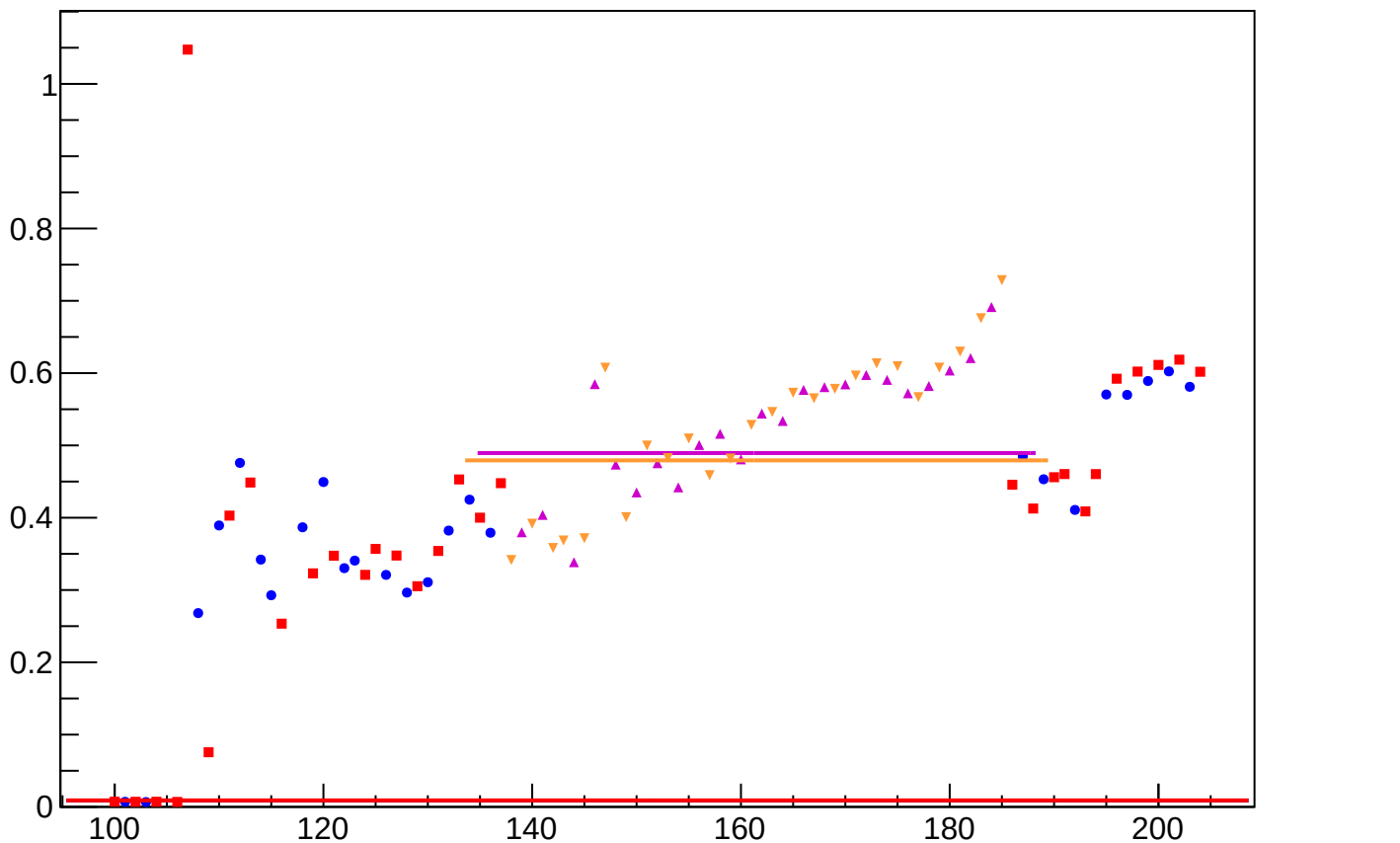
Left In: 148.672 $\pm$ 0.000 χ^2 /NDF: 252846428.3/22

+ sign 376.678 $\pm$ 0.000 χ^2 /NDF: 7421206560680.8

All: 376.233 $\pm$ 0.000 χ^2 /NDF: 207867070752

- sign 375.841 $\pm$ 0.000 χ^2 /NDF: 13360496379727.5

yield_cav4dQ_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 19986634.5/24

Left Out: 0.479+/-0.000 χ^2/NDF : 1516566.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 22794270.0/29

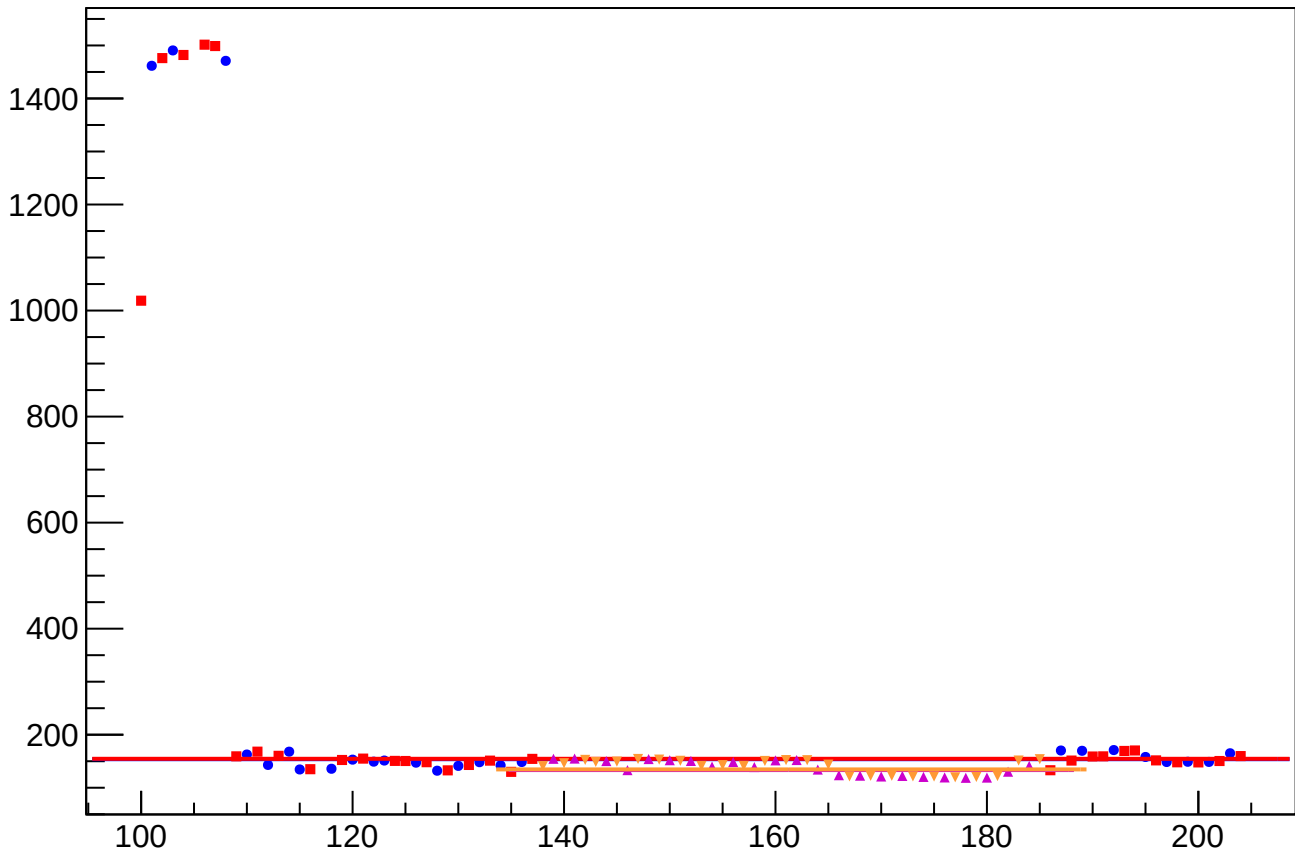
Left In: 0.489+/-0.000 χ^2/NDF : 1076134.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 54386258.0/49

All: 0.011+/-0.000 χ^2/NDF : 109692351.5/102

- sign 0.011+/-0.000 χ^2/NDF : 55304797.6/52

yield_bcm0l02_mean vs Slug



Right In: 153.818+/-0.000 χ^2/NDF : 25633810385.0/24

Left Out: 134.554+/-0.000 χ^2/NDF : 4376966869.3/24

Right Out: 154.566+/-0.000 χ^2/NDF : 34856465207.1/29

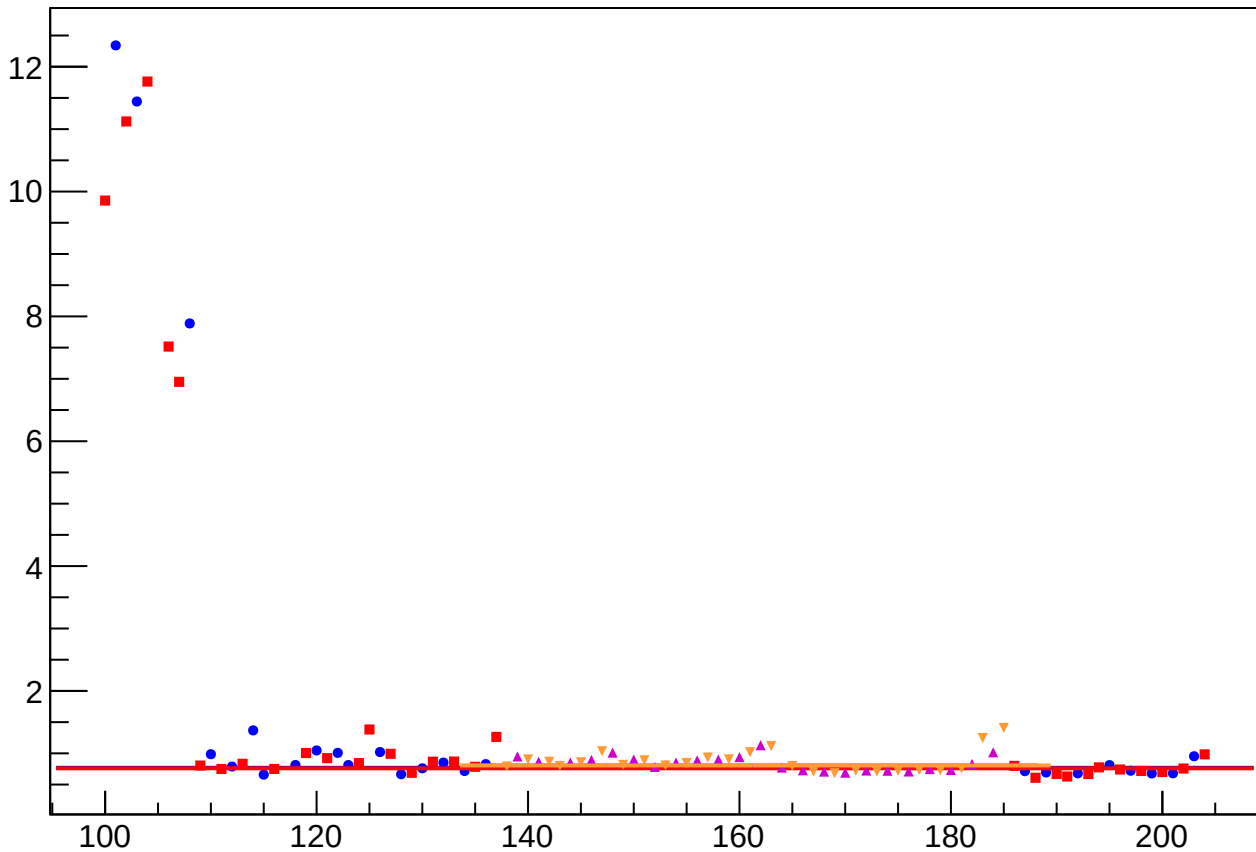
Left In: 133.337+/-0.000 χ^2/NDF : 4303812119.2/22

+ sign 141.865+/-0.000 χ^2/NDF : 33350672851.2/49

All: 142.243+/-0.000 χ^2/NDF : 76993269302.0

- sign 142.600+/-0.000 χ^2/NDF : 43631997185.5/52

yield_bcm0l02_rms vs Slug



Right In: 0.768 ± 0.000 χ^2/NDF : 2872866.1/24

Left Out: 0.806 ± 0.000 χ^2/NDF : 690578.5/24

Right Out: 0.760 ± 0.000 χ^2/NDF : 3197713.1/29

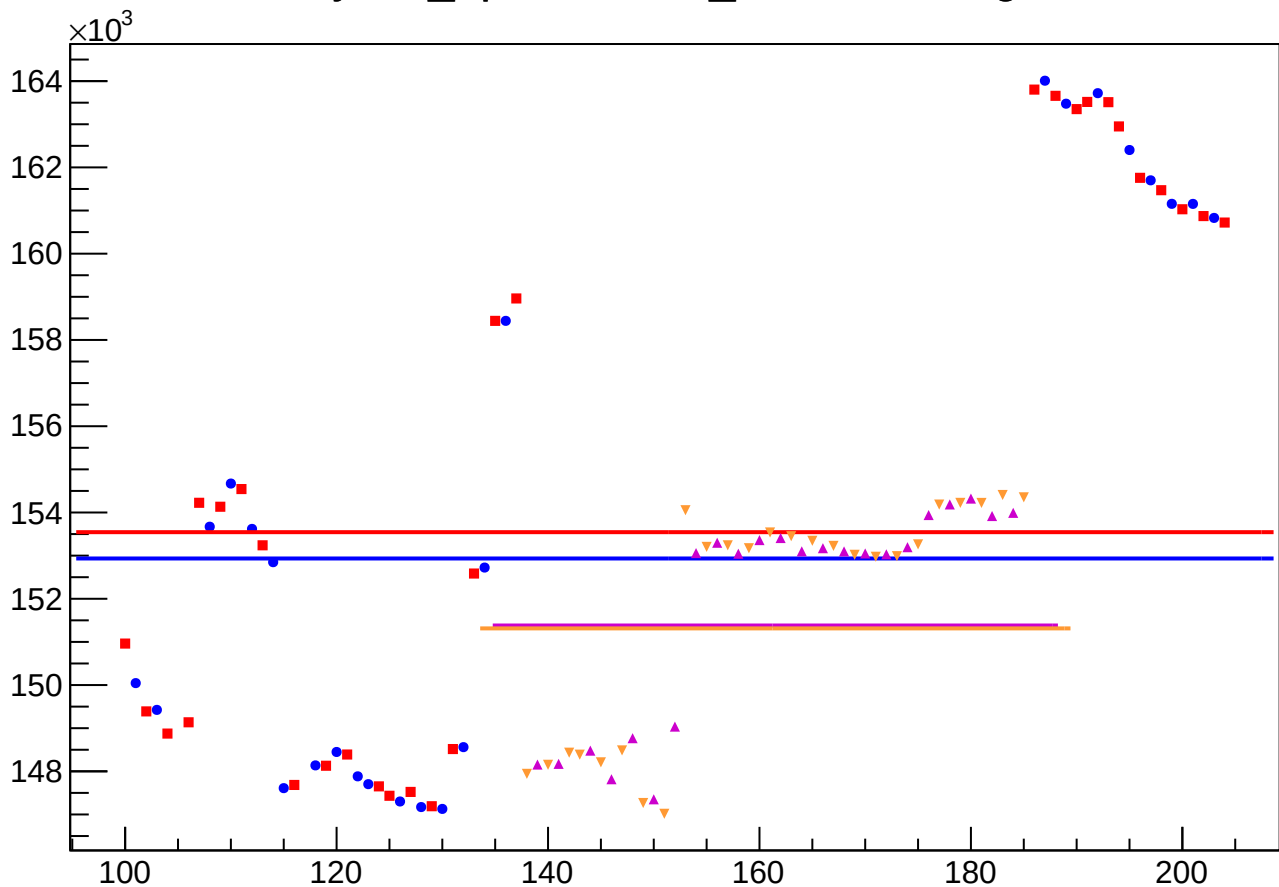
Left In: 0.805 ± 0.000 χ^2/NDF : 480510.8/22

+ sign 0.792 ± 0.000 χ^2/NDF : 3589395.1/49

All: 0.788 ± 0.000 χ^2/NDF : 7308313.6/102

- sign 0.785 ± 0.000 χ^2/NDF : 3717355.1/52

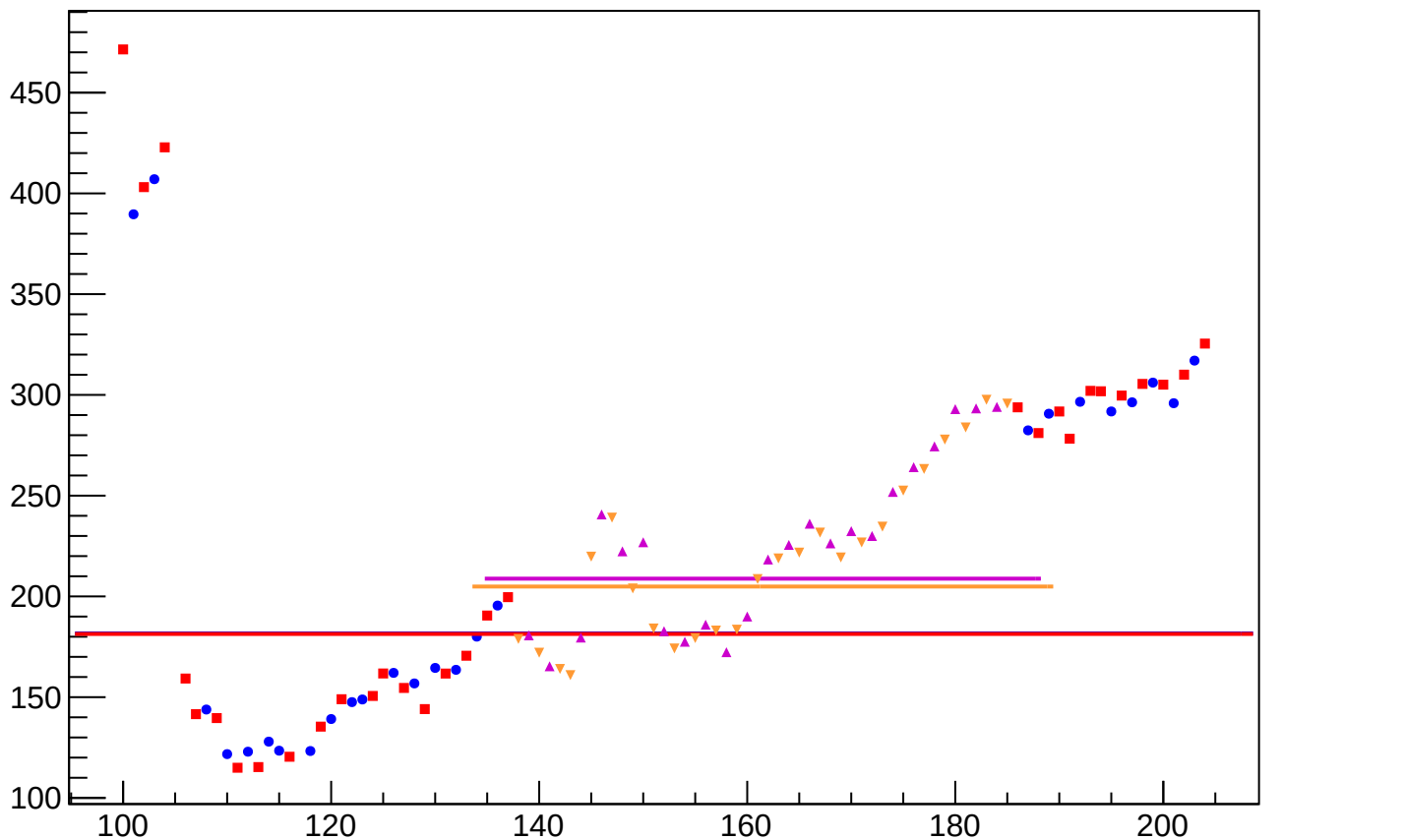
yield_bpm0i01WS_mean vs Slug



Right In: 152933.936 $\pm$ 0.057 χ^2 /NDF: 9834655979.1/24
 Left Out: 151313.284 $\pm$ 0.049 χ^2 /NDF: 3153768134.8/24
 Right Out: 153544.016 $\pm$ 0.053 χ^2 /NDF: 11168431825.2/29
 Left In: 151380.236 $\pm$ 0.051 χ^2 /NDF: 2363895785.3/22

+ sign 152003.288 $\pm$ 0.037 χ^2 /NDF: 13460234227.2
 All: 152216.767 $\pm$ 0.026 χ^2 /NDF: 279250023.2
 - sign 152428.631 $\pm$ 0.037 χ^2 /NDF: 14398052628.2

yield_bpm0i01WS_rms vs Slug



Right In: 181.647 $\pm$ 0.040 χ^2 /NDF: 3269157.8/24

Left Out: 204.900 $\pm$ 0.034 χ^2 /NDF:1056380.8/24

Right Out: 181.371 $\pm$ 0.037 χ^2 /NDF: 4033266.6/29

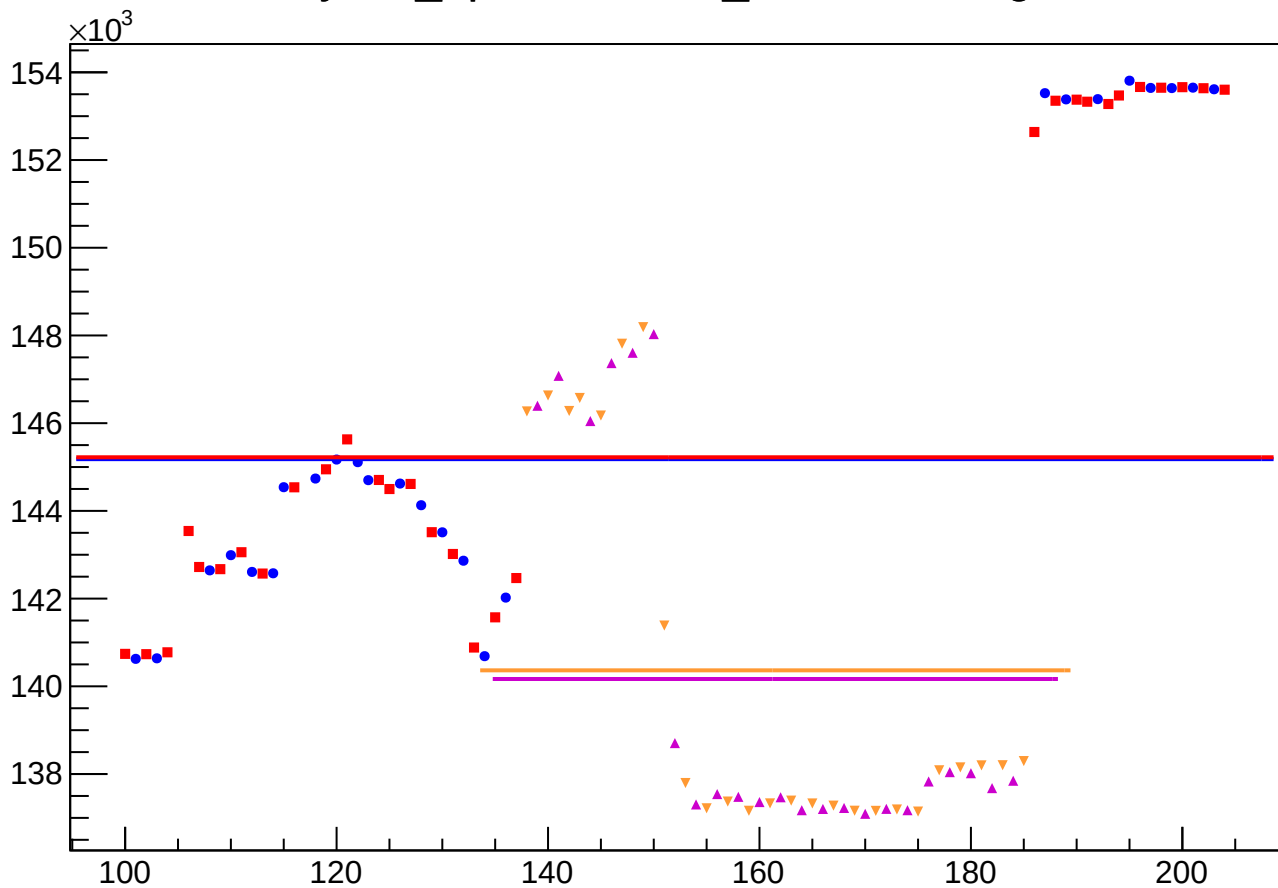
Left In: 208.813 $\pm$ 0.036 χ^2 /NDF:1001936.6/22

+ sign 195.000 $\pm$ 0.026 χ^2 /NDF: 4519779.8/49

All: 195.259 $\pm$ 0.018 χ^2 /NDF: 9833662.9/102

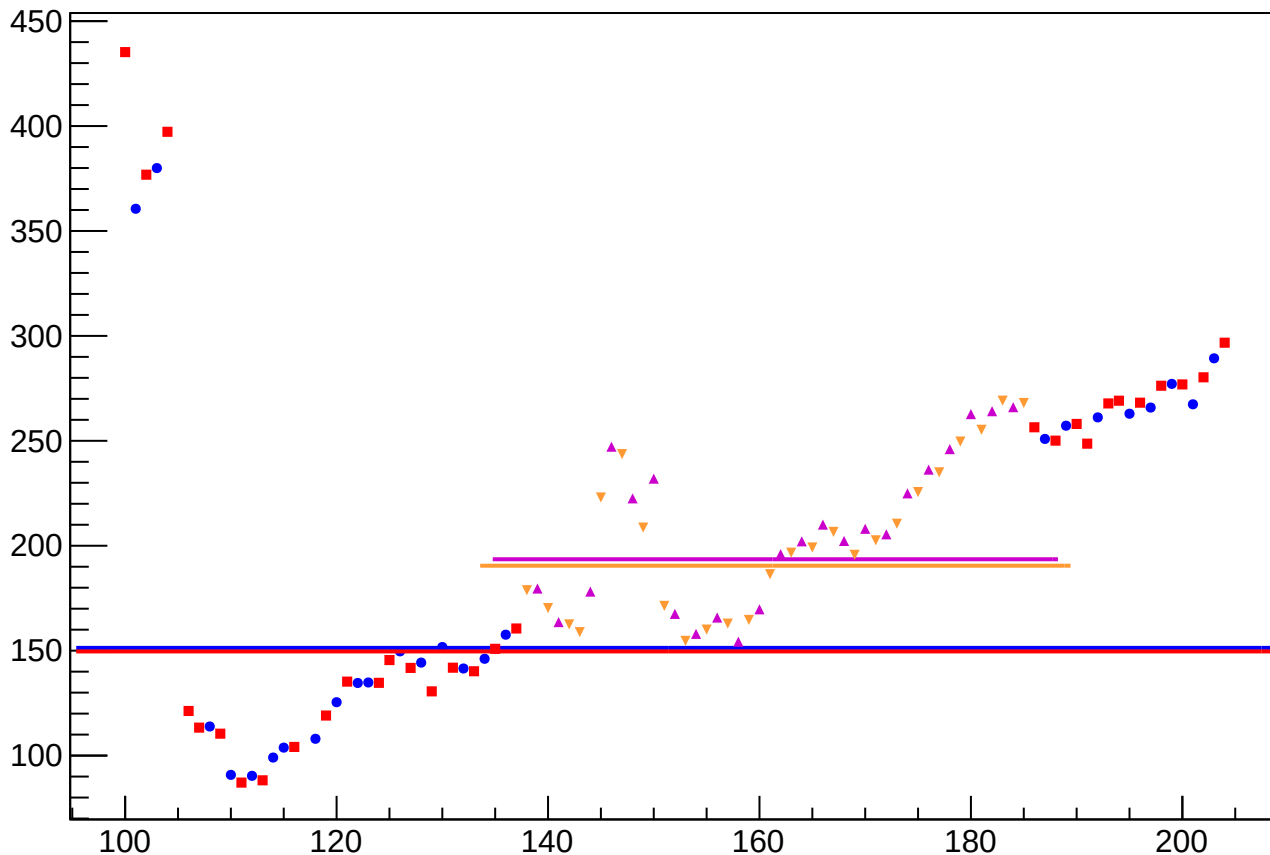
- sign 195.517 $\pm$ 0.026 χ^2 /NDF: 5313686.1/52

yield_bpm0i01aWS_mean vs Slug



Right In: 145179.995 $\pm$ 0.048 χ^2 /NDF: 7093127685.5/24
 Left Out: 140364.444 $\pm$ 0.045 χ^2 /NDF: 8677078677.7/24
 Right Out: 145222.265 $\pm$ 0.044 χ^2 /NDF: 8789352421.0/29
 Left In: 140166.971 $\pm$ 0.047 χ^2 /NDF: 8028464654.6/22
 + sign 142632.139 $\pm$ 0.033 χ^2 /NDF: 21111022657.
 All: 142755.318 $\pm$ 0.023 χ^2 /NDF: 440355175.
 - sign 142874.381 $\pm$ 0.032 χ^2 /NDF: 22896912403.4

yield_bpm0i01aWS_rms vs Slug



Right In: 151.330+/-0.034 χ^2/NDF : 3989454.6/24

Left Out: 190.486+/-0.032 χ^2/NDF :950233.2/24

Right Out: 149.634+/-0.031 χ^2/NDF : 4905897.1/29

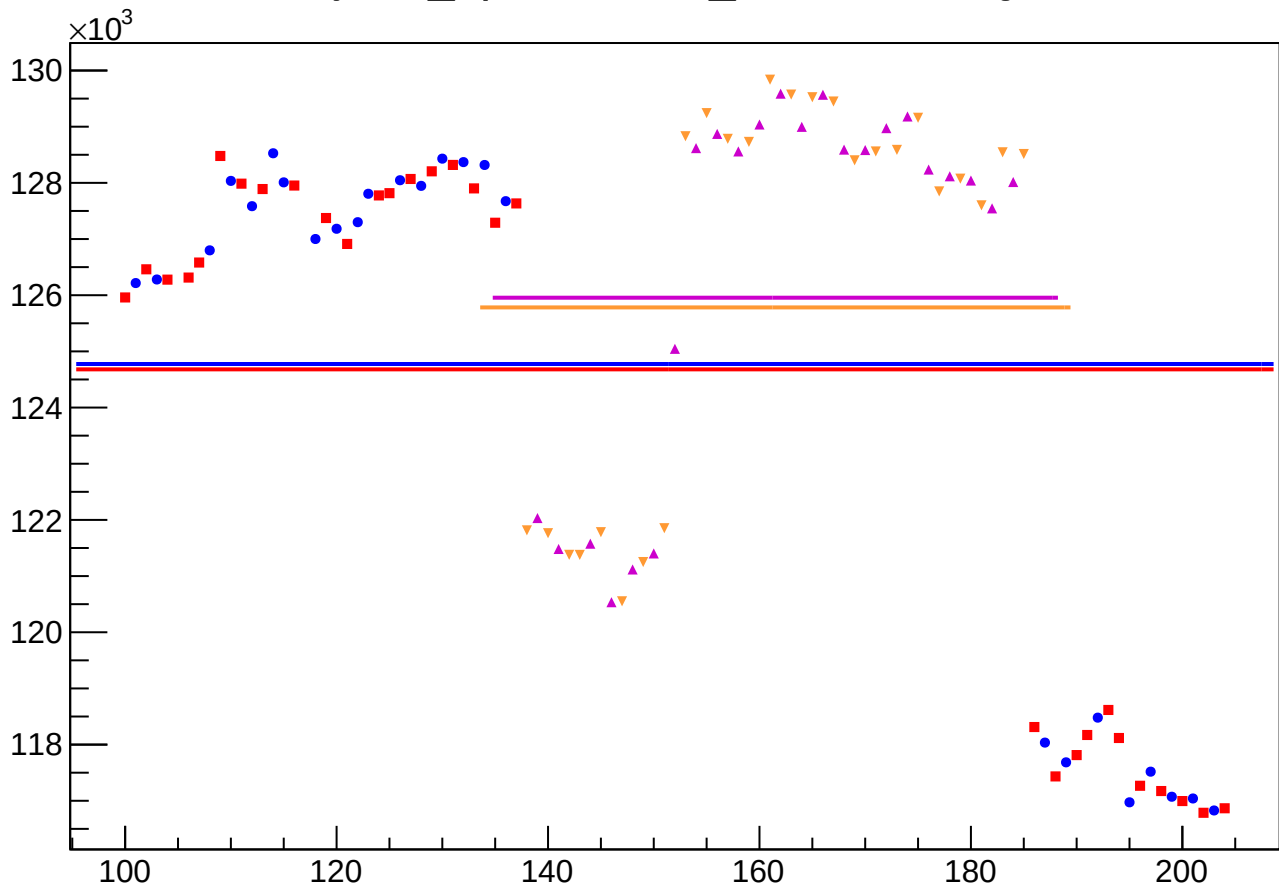
Left In: 193.558+/-0.034 χ^2/NDF :963675.0/22

+ sign 172.047+/-0.023 χ^2/NDF : 5645925.9/49

All: 171.023+/-0.016 χ^2/NDF : 12437164.4/10

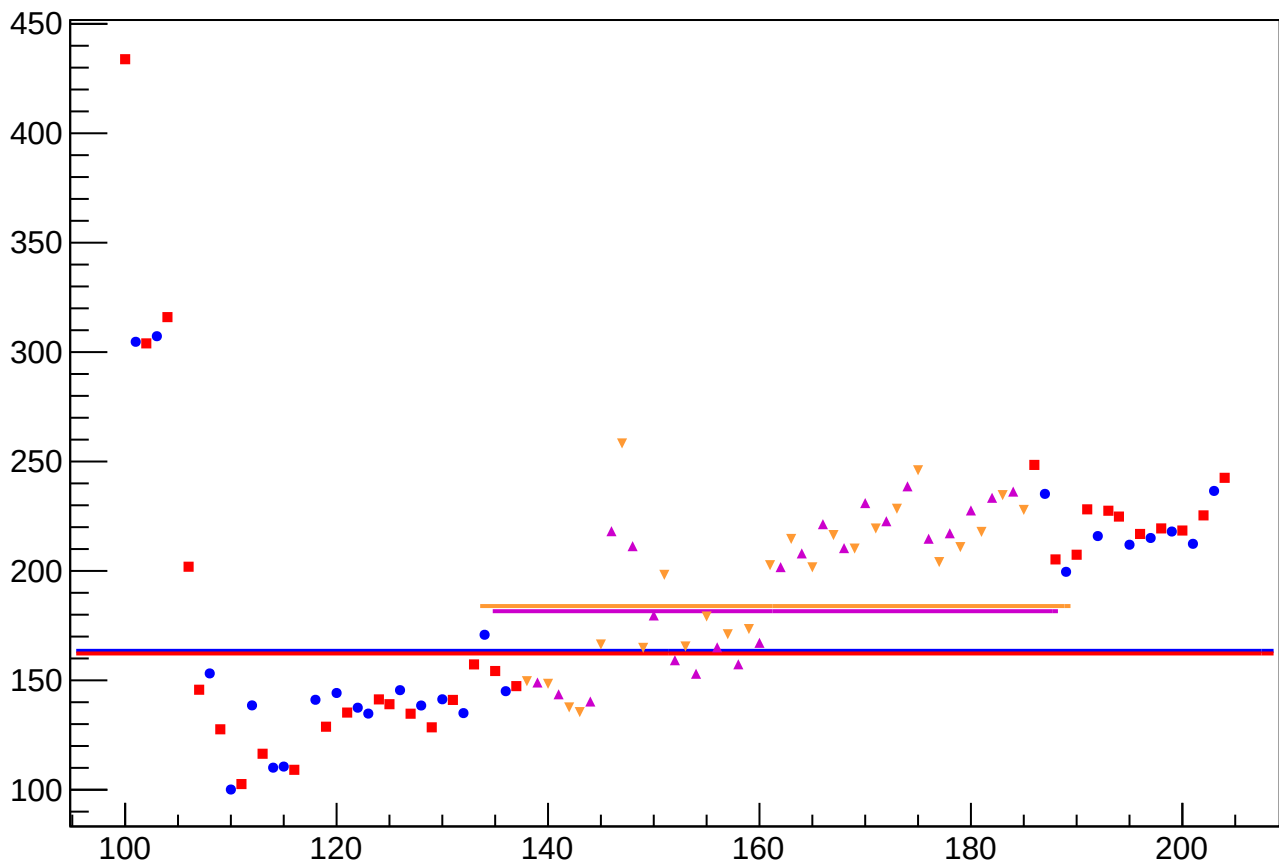
- sign 170.034+/-0.023 χ^2/NDF : 6787431.6/52

yield_bpm0l01WS_mean vs Slug



Right In: 124775.319 $\pm$ 0.049	χ^2 /NDF: 9055574268.5/24	+ sign 125335.240 $\pm$ 0.033	χ^2 /NDF: 16018180122.2
Left Out: 125782.764 $\pm$ 0.044	χ^2 /NDF: 6729761889.8/24	All: 125332.769 $\pm$ 0.023	χ^2 /NDF: 328251437.1
Right Out: 124680.000 $\pm$ 0.046	χ^2 /NDF: 10605587132.7/29	- sign 125330.418 $\pm$ 0.032	χ^2 /NDF: 16806952588.4
Left In: 125955.637 $\pm$ 0.045	χ^2 /NDF: 5804088930.1/22		

yield_bpm0l01WS_rms vs Slug



Right In: 163.480 $\pm$ 0.035 χ^2 /NDF: 1771048.0/24

Left Out: 183.947 $\pm$ 0.031 χ^2 /NDF: 1123194.0/24

Right Out: 162.274 $\pm$ 0.032 χ^2 /NDF: 2427725.3/29

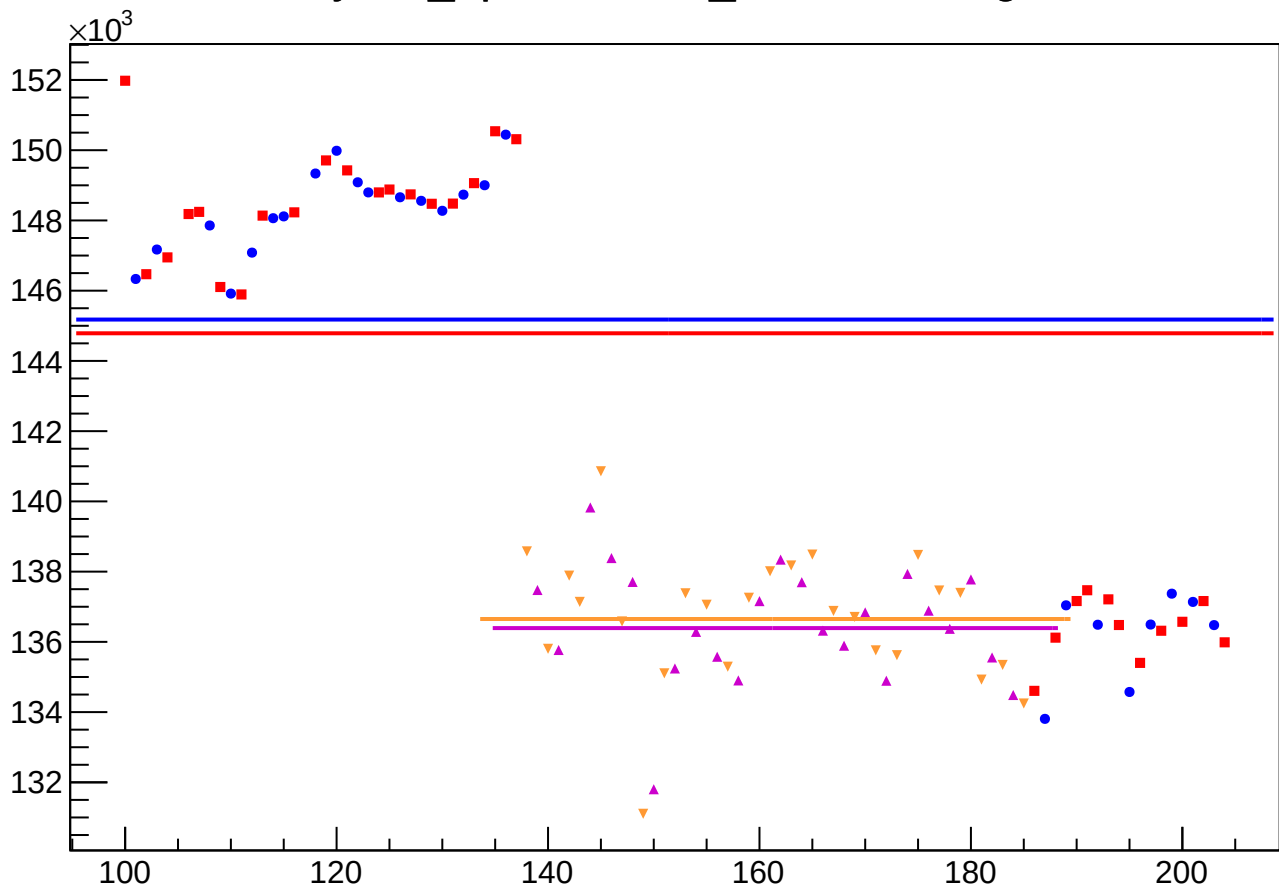
Left In: 181.596 $\pm$ 0.032 χ^2 /NDF: 1103524.3/22

+ sign 174.855 $\pm$ 0.023 χ^2 /NDF: 3086447.7/49

All: 173.456 $\pm$ 0.016 χ^2 /NDF: 6807090.5/102

- sign 172.125 $\pm$ 0.023 χ^2 /NDF: 3713547.3/52

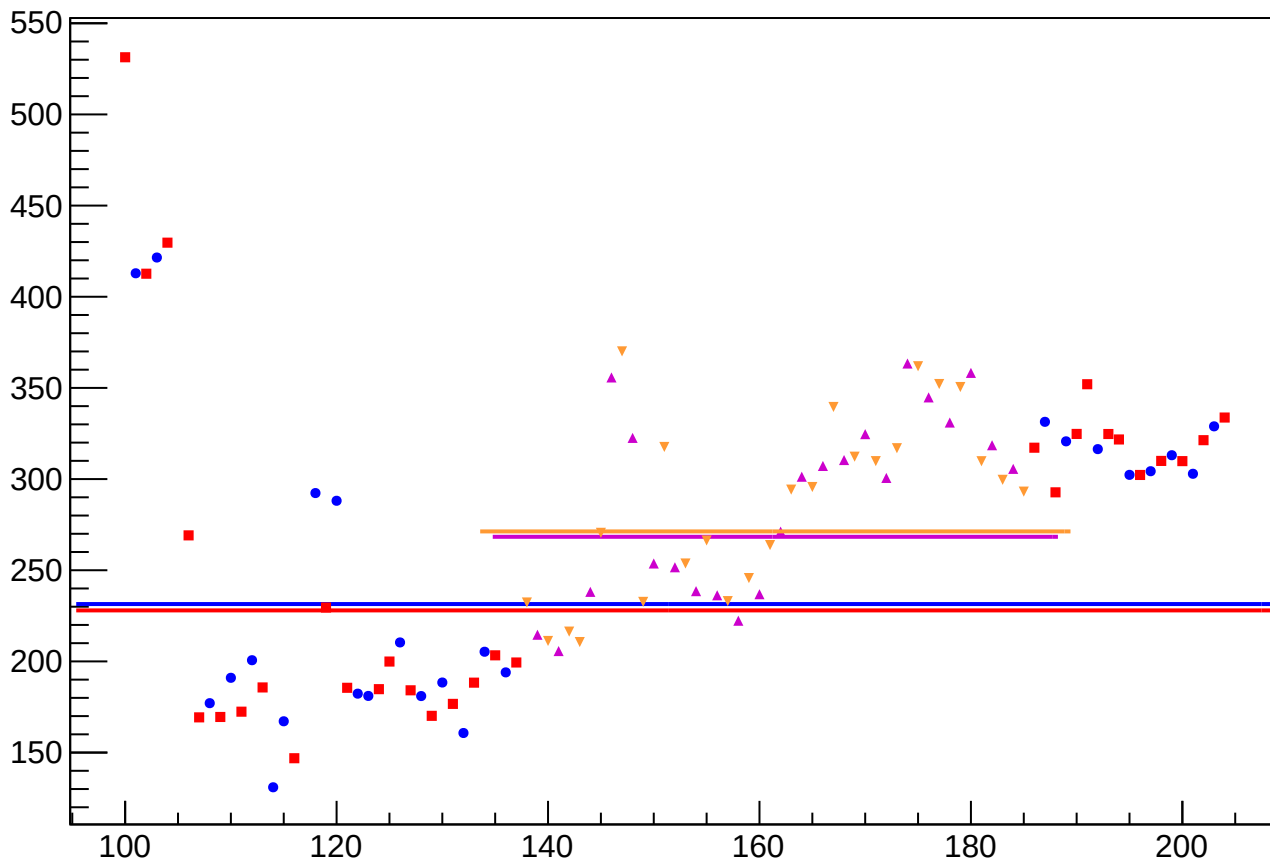
yield_bpm0l02WS_mean vs Slug



Right In: 145177.717 ± 0.070 $\chi^2/\text{NDF}: 6273153393.5/24$
 Left Out: 136650.935 ± 0.065 $\chi^2/\text{NDF}: 930649595.5/24$
 Right Out: 144786.649 ± 0.064 $\chi^2/\text{NDF}: 7517593913.2/29$
 Left In: 136392.188 ± 0.066 $\chi^2/\text{NDF}: 701986841.4/22$

+ sign 140575.156 ± 0.047 $\chi^2/\text{NDF}: 15215528880.0$
 All: 140639.171 ± 0.033 $\chi^2/\text{NDF}: 317472577.0$
 - sign 140699.336 ± 0.046 $\chi^2/\text{NDF}: 16528202749.1$

yield_bpm0l02WS_rms vs Slug



Right In: 231.455 $\pm$ 0.049 χ^2 /NDF: 1965059.3/24

Left Out: 271.295 $\pm$ 0.046 χ^2 /NDF:1064485.7/24

Right Out: 227.973 $\pm$ 0.045 χ^2 /NDF: 2378551.5/29

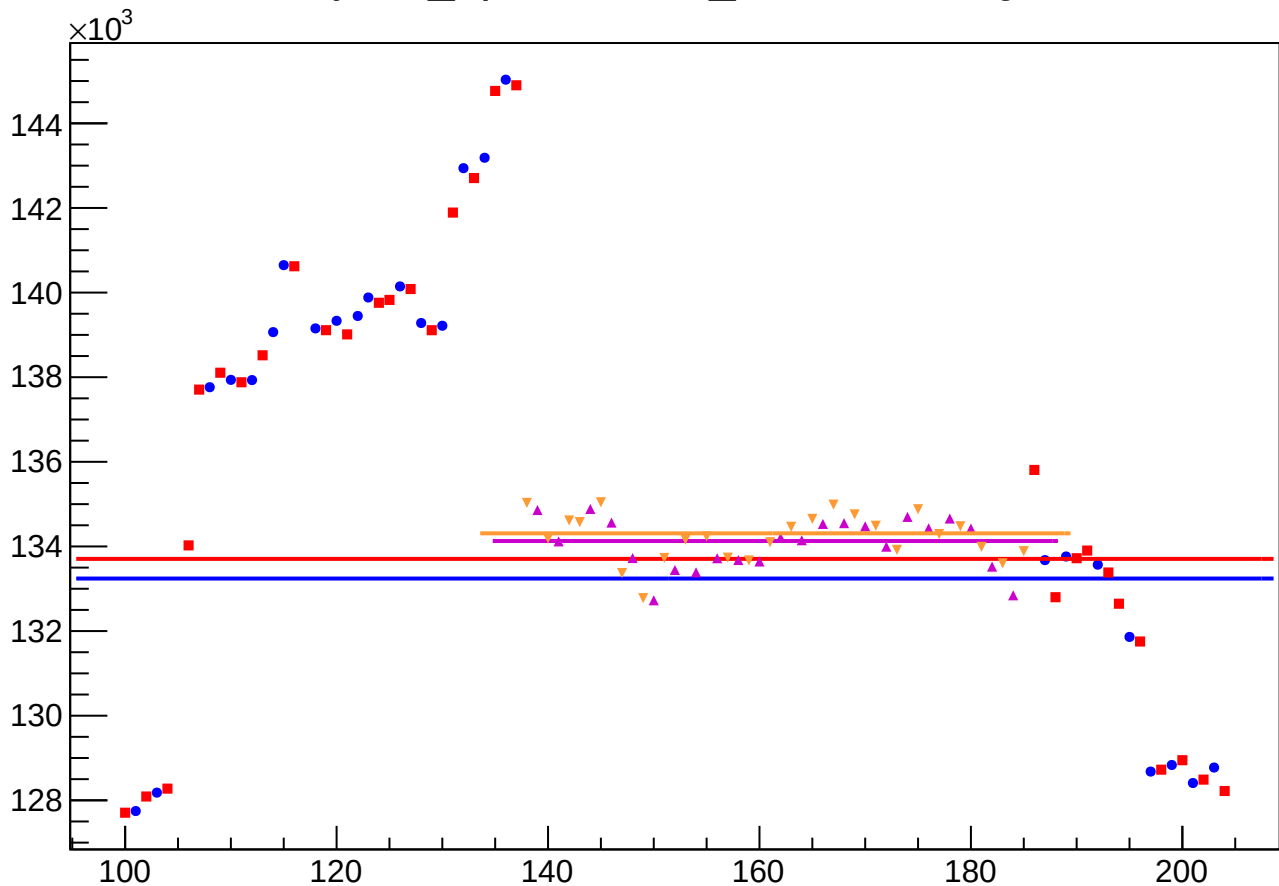
Left In: 268.344 $\pm$ 0.047 χ^2 /NDF:1077364.0/22

+ sign 252.960 $\pm$ 0.034 χ^2 /NDF: 3379354.2/49

All: 250.212 $\pm$ 0.023 χ^2 /NDF: 7232588.6/102

- sign 247.630 $\pm$ 0.033 χ^2 /NDF: 3840242.0/52

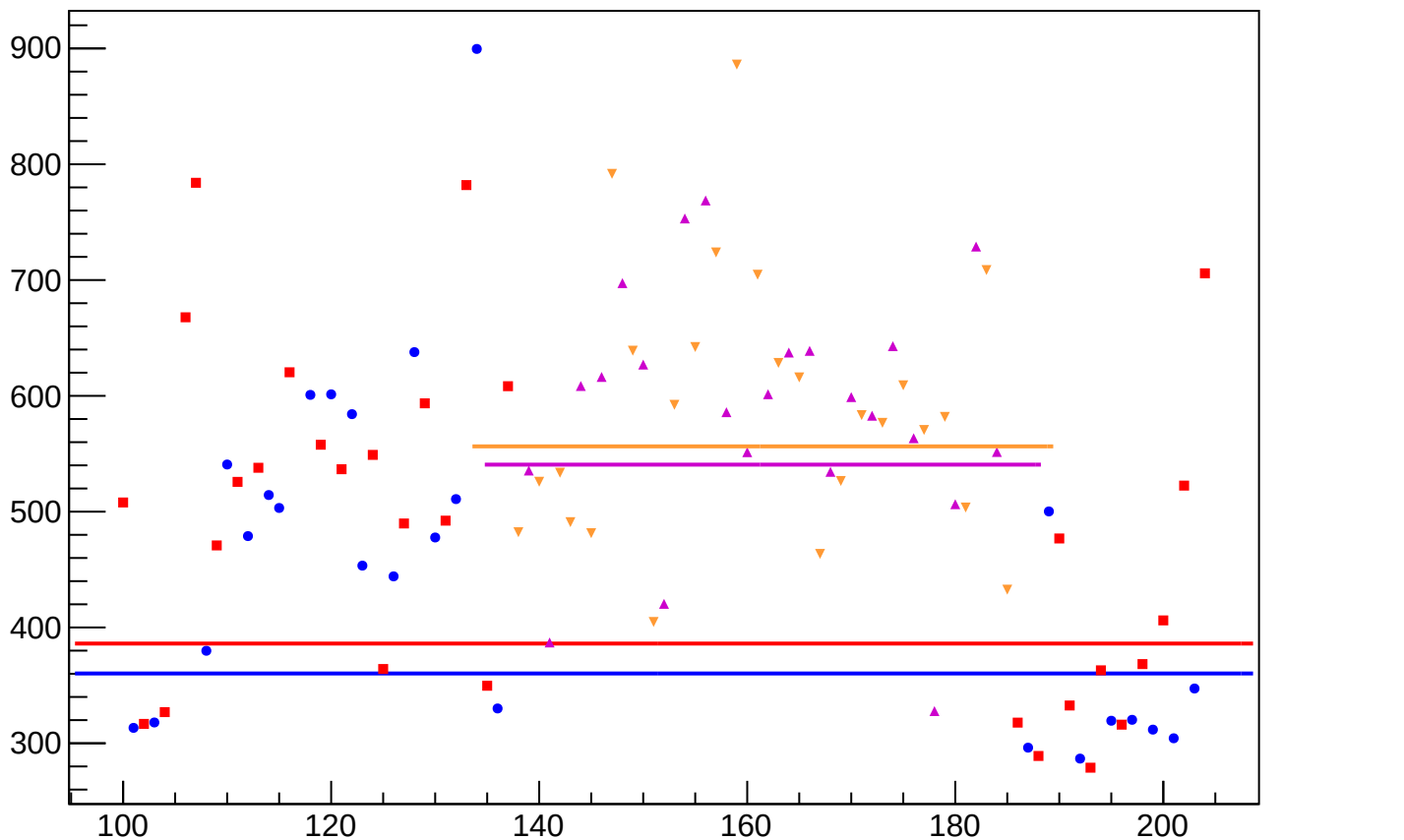
yield_bpm0l03WS_mean vs Slug



Right In: 133241.533 ± 0.116 $\chi^2/\text{NDF}: 2383257592.6/24$
 Left Out: 134310.250 ± 0.139 $\chi^2/\text{NDF}: 15518632.9/24$
 Right Out: 133706.246 ± 0.119 $\chi^2/\text{NDF}: 1523723389.1/29$
 Left In: 134128.172 ± 0.142 $\chi^2/\text{NDF}: 15533736.2/22$

+ sign 133682.122 ± 0.089 $\chi^2/\text{NDF}: 2433743217.1$
 All: 133778.646 ± 0.064 $\chi^2/\text{NDF}: 39806095$
 - sign 133879.757 ± 0.091 $\chi^2/\text{NDF}: 1544456053.5/$

yield_bpm0l03WS_rms vs Slug



Right In: 360.277+/-0.082 χ^2/NDF : 1253751.8/24

Left Out: 556.381+/-0.098 χ^2/NDF : 1002064.0/24

Right Out: 386.104+/-0.084 χ^2/NDF : 1822935.9/29

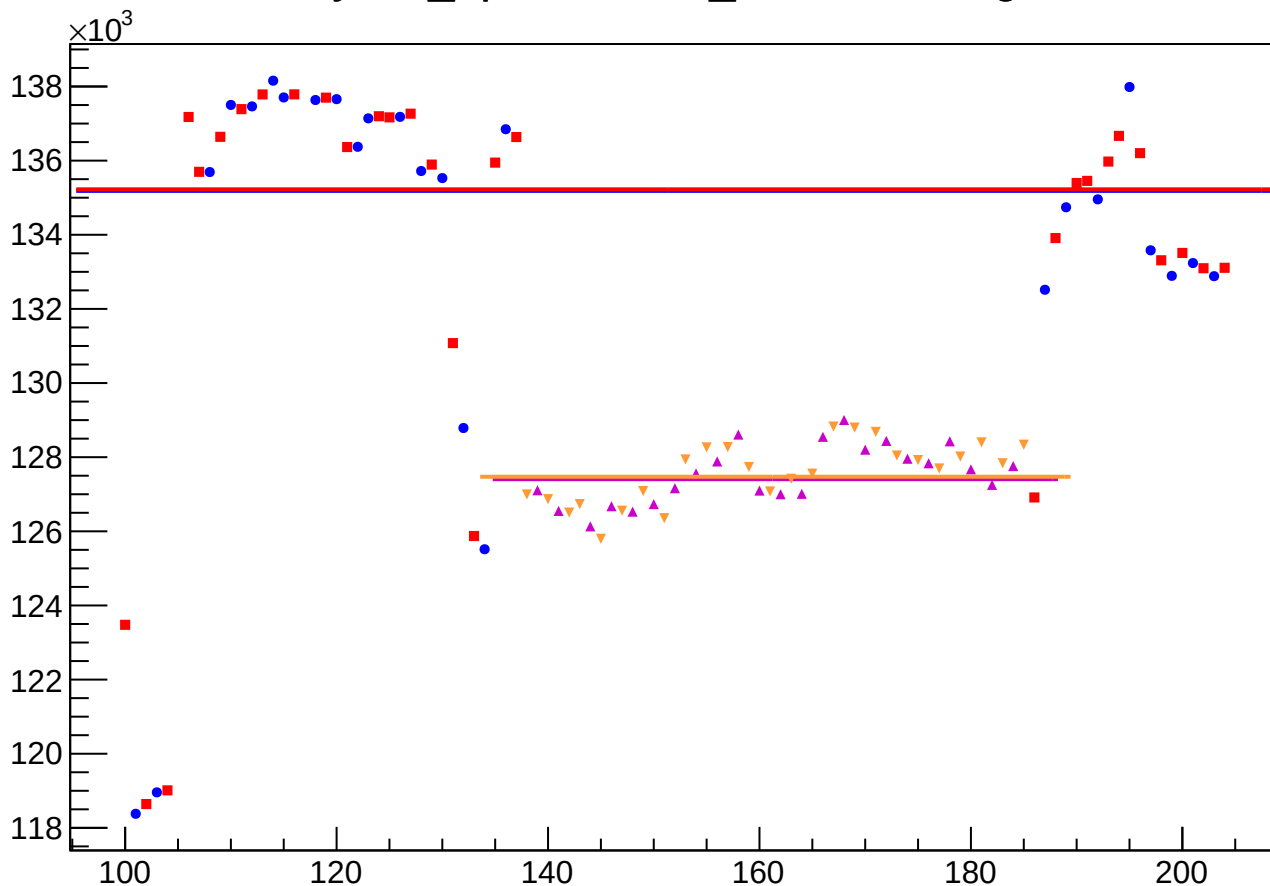
Left In: 540.607+/-0.100 χ^2/NDF : 1409015.2/22

+ sign 441.123+/-0.063 χ^2/NDF : 4610528.4/49

All: 445.283+/-0.045 χ^2/NDF : 9245696.6/102

- sign 449.641+/-0.064 χ^2/NDF : 4626213.8/52

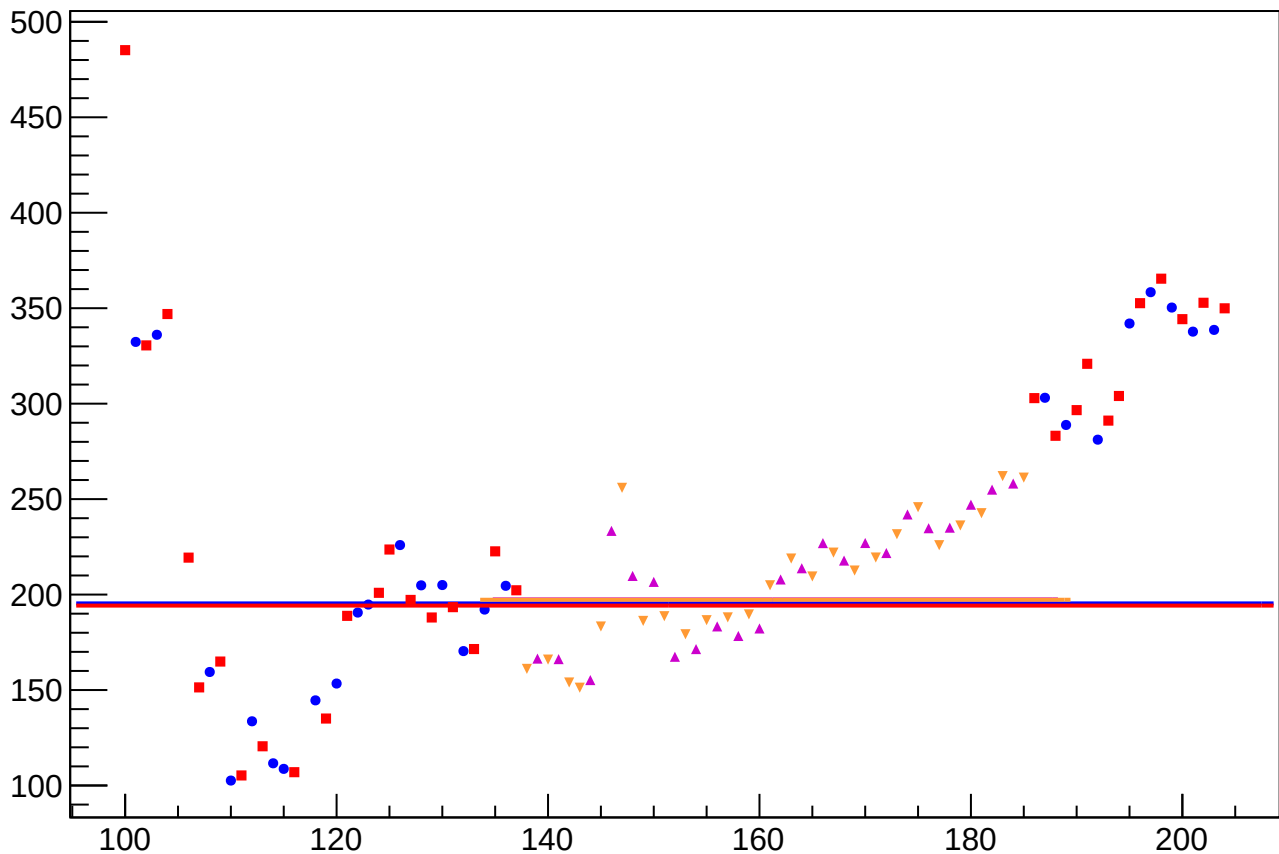
yield_bpm0l04WS_mean vs Slug



Right In: 135184.980 $\pm$ 0.061 χ^2 /NDF: 4769024122.5/24
 Left Out: 127472.525 $\pm$ 0.047 χ^2 /NDF: 303609315.6/24
 Right Out: 135225.833 $\pm$ 0.057 χ^2 /NDF: 5169763738.5/29
 Left In: 127406.911 $\pm$ 0.048 χ^2 /NDF: 269927988.0/22

+ sign 130316.097 $\pm$ 0.037 χ^2 /NDF: 15061830834.
 All: 130503.374 $\pm$ 0.026 χ^2 /NDF: 31515923.
 - sign 130686.845 $\pm$ 0.037 χ^2 /NDF: 16403996309.0

yield_bpm0l04WS_rms vs Slug



Right In: 195.376 $\pm$ 0.043 χ^2 /NDF: 3439639.6/24

Left Out: 197.289 $\pm$ 0.033 χ^2 /NDF: 852024.1/24

Right Out: 194.229 $\pm$ 0.040 χ^2 /NDF: 4255544.6/29

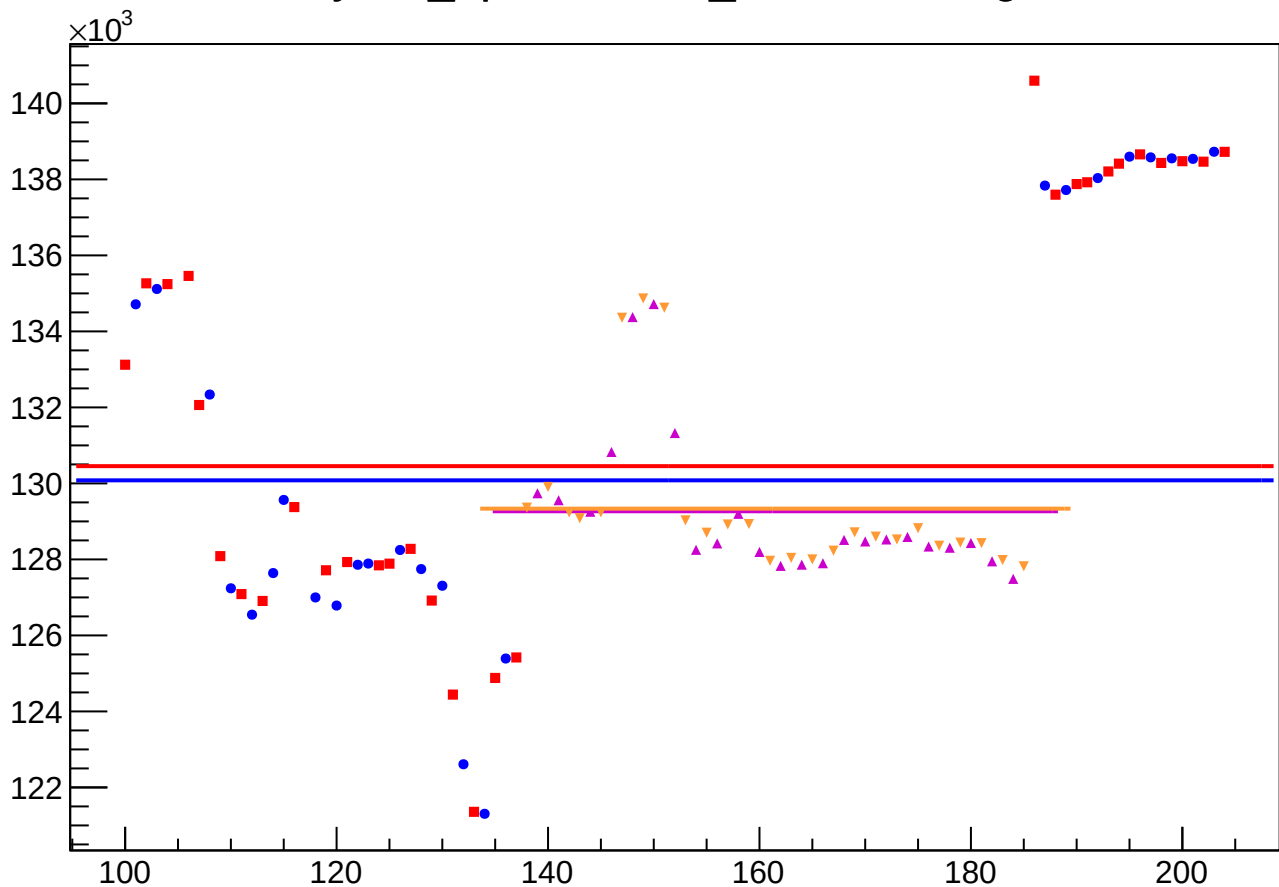
Left In: 197.471 $\pm$ 0.034 χ^2 /NDF: 791577.5/22

+ sign 196.584 $\pm$ 0.026 χ^2 /NDF: 4292893.4/49

All: 196.345 $\pm$ 0.019 χ^2 /NDF: 9343948.9/102

- sign 196.111 $\pm$ 0.026 χ^2 /NDF: 5050892.5/52

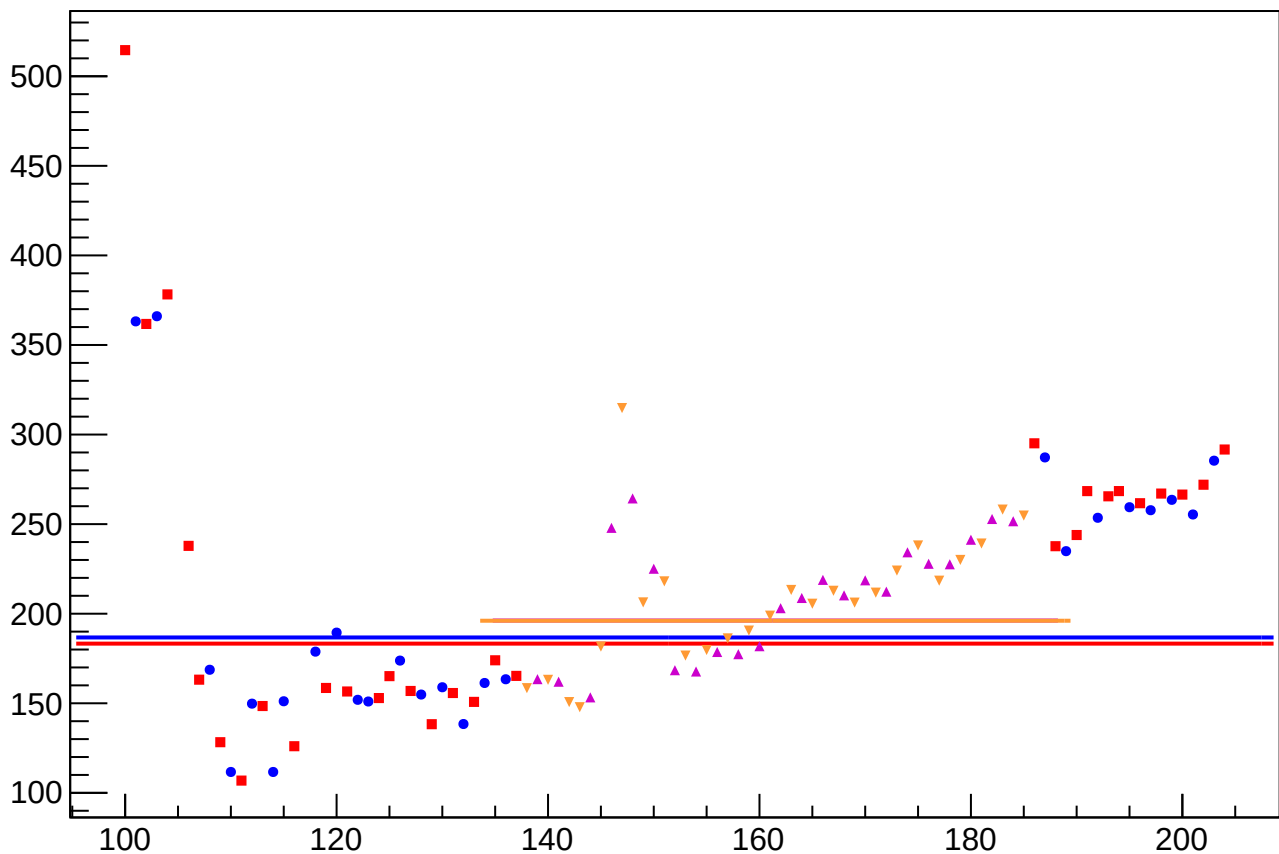
yield_bpm0l05WS_mean vs Slug



Right In: 130080.713 ± 0.057 $\chi^2/\text{NDF}: 9386902154.3/24$
 Left Out: 129335.946 ± 0.047 $\chi^2/\text{NDF}: 1450933621.0/24$
 Right Out: 130454.296 ± 0.052 $\chi^2/\text{NDF}: 10840665946.6/29$
 Left In: 129266.909 ± 0.048 $\chi^2/\text{NDF}: 1213762773.1/22$

+ sign 129635.503 ± 0.036 $\chi^2/\text{NDF}: 10940015043.6/24$
 All: 129724.726 ± 0.025 $\chi^2/\text{NDF}: 232848434.6/24$
 - sign 129810.651 ± 0.035 $\chi^2/\text{NDF}: 12332855501.4/24$

yield_bpm0l05WS_rms vs Slug



Right In: 186.741 $\pm$ 0.040 χ^2 /NDF: 2141096.2/24

Left Out: 196.077 $\pm$ 0.033 χ^2 /NDF: 975710.9/24

Right Out: 183.298 $\pm$ 0.037 χ^2 /NDF: 2953472.0/29

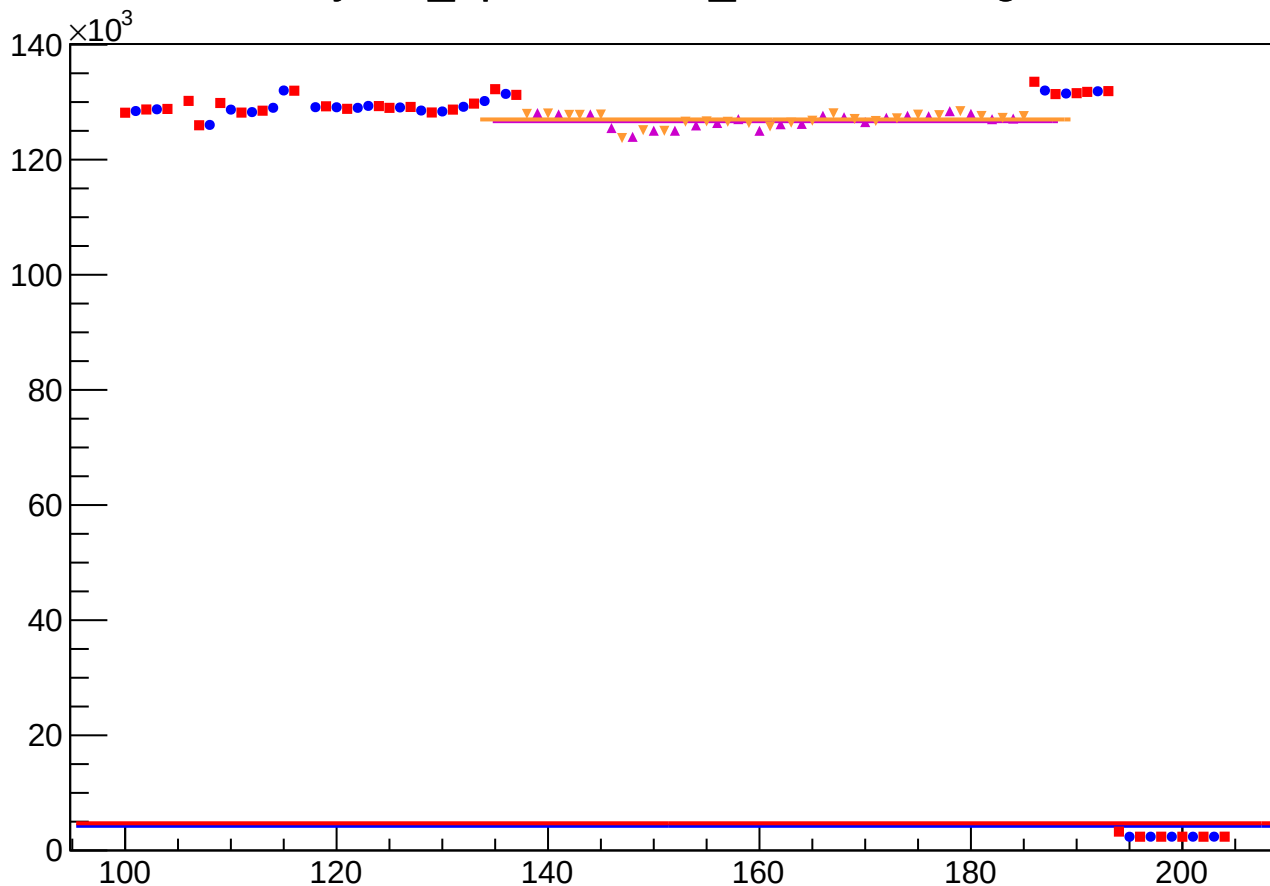
Left In: 196.186 $\pm$ 0.034 χ^2 /NDF: 898058.0/22

+ sign 192.322 $\pm$ 0.026 χ^2 /NDF: 3148923.1/49

All: 191.284 $\pm$ 0.018 χ^2 /NDF: 7069301.5/102

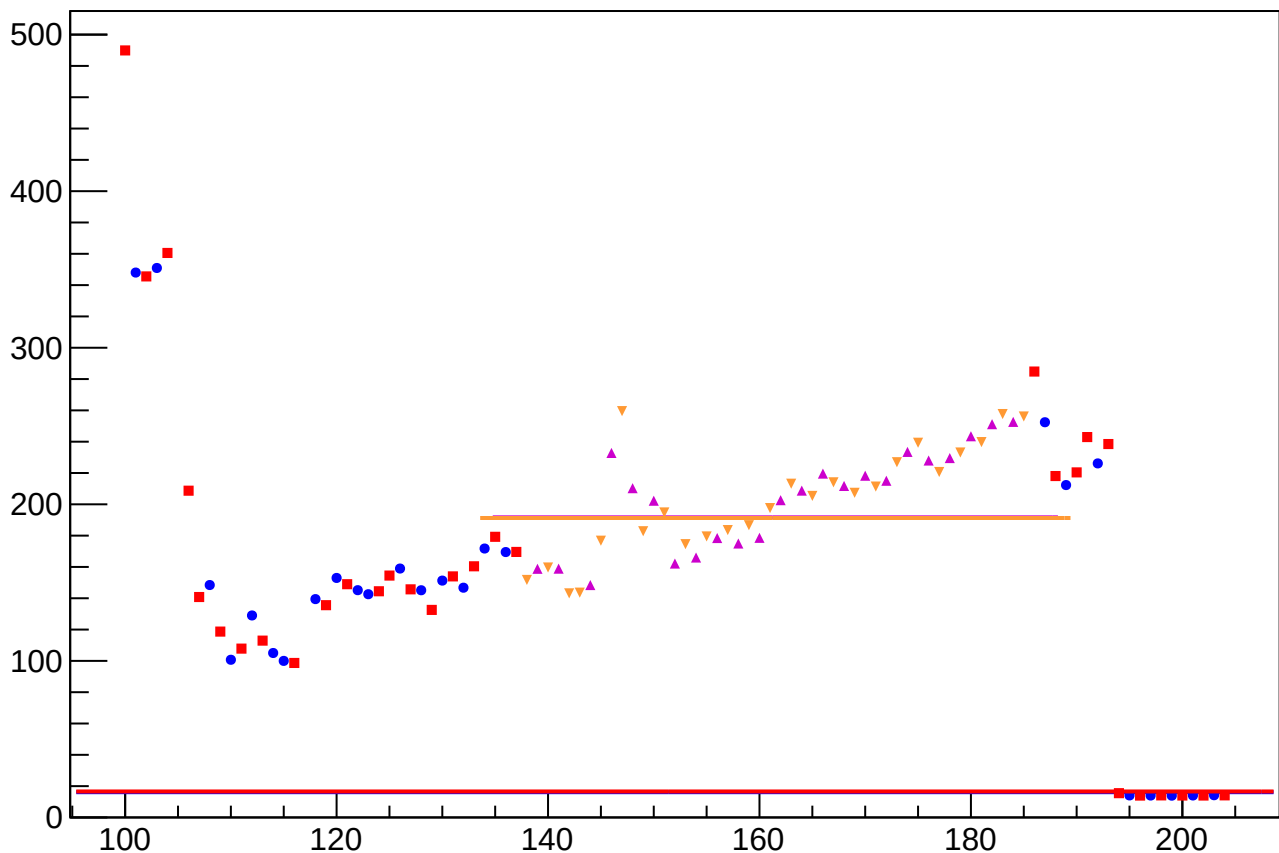
- sign 190.284 $\pm$ 0.025 χ^2 /NDF: 3917136.5/52

yield_bpm0l06WS_mean vs Slug



Right In: 4283.111 $\pm$ 0.007 χ^2 /NDF: 4858004343011.5/24
 Left Out: 126981.724 $\pm$ 0.046 χ^2 /NDF: 530573115.8/24
 Right Out: 4721.278 $\pm$ 0.007 χ^2 /NDF: 5777748228100.8/29
 Left In: 126682.659 $\pm$ 0.047 χ^2 /NDF: 660415880.0/22
 + sign 7102.263 $\pm$ 0.007 χ^2 /NDF: 11956436344963
 All: 7235.299 $\pm$ 0.005 χ^2 /NDF: 24325038706
 - sign 7369.264 $\pm$ 0.007 χ^2 /NDF: 12367856346179

yield_bpm0l06WS_rms vs Slug



Right In: 16.133+/-0.005 χ^2/NDF : 13227269.3/24

Left Out: 191.263+/-0.032 χ^2/NDF : 992566.2/24

Right Out: 16.598+/-0.005 χ^2/NDF : 15494056.7/29

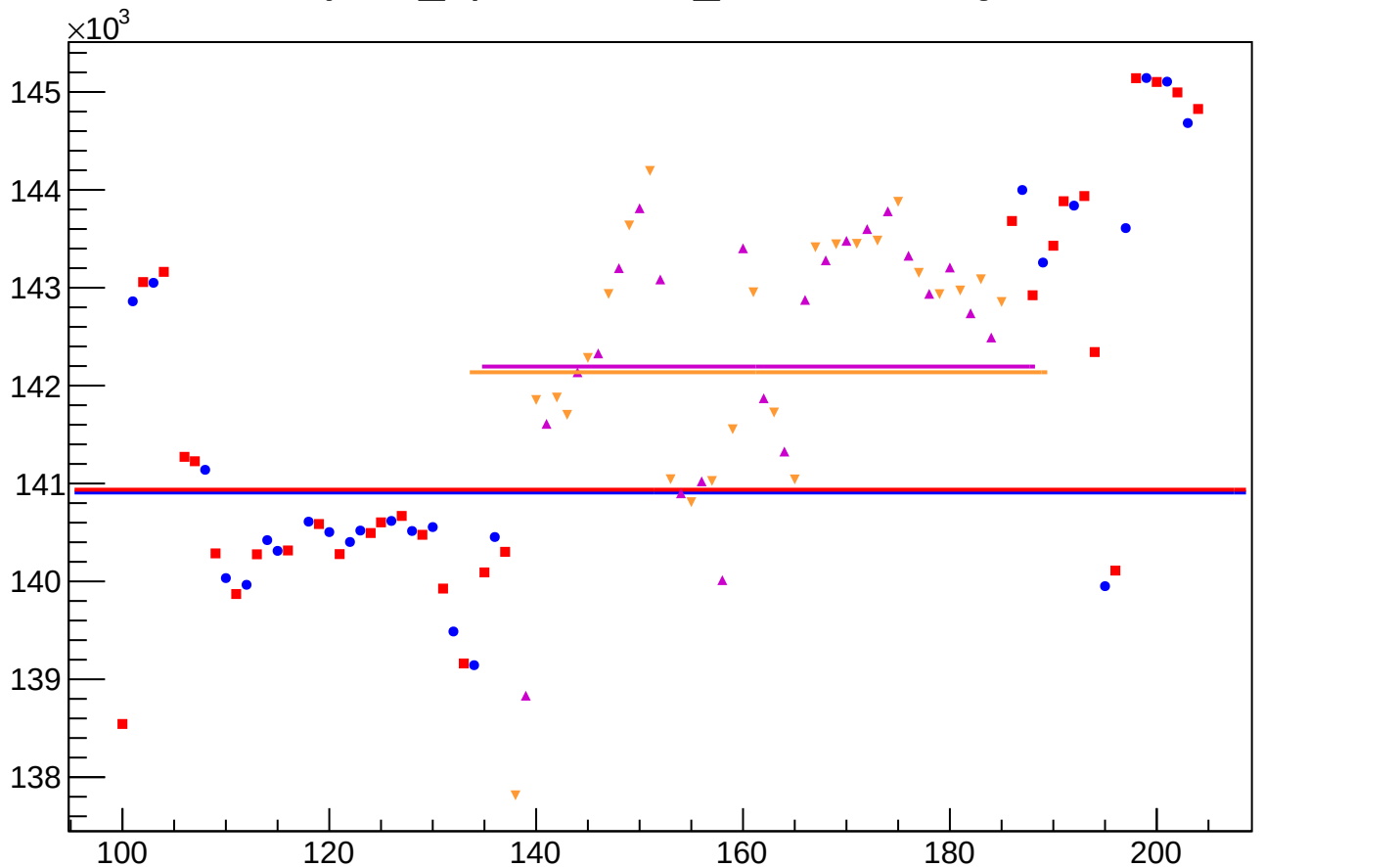
Left In: 191.683+/-0.033 χ^2/NDF : 864384.9/22

+ sign 20.157+/-0.005 χ^2/NDF : 43140043.1/49

All: 20.278+/-0.003 χ^2/NDF : 86659617.1/102

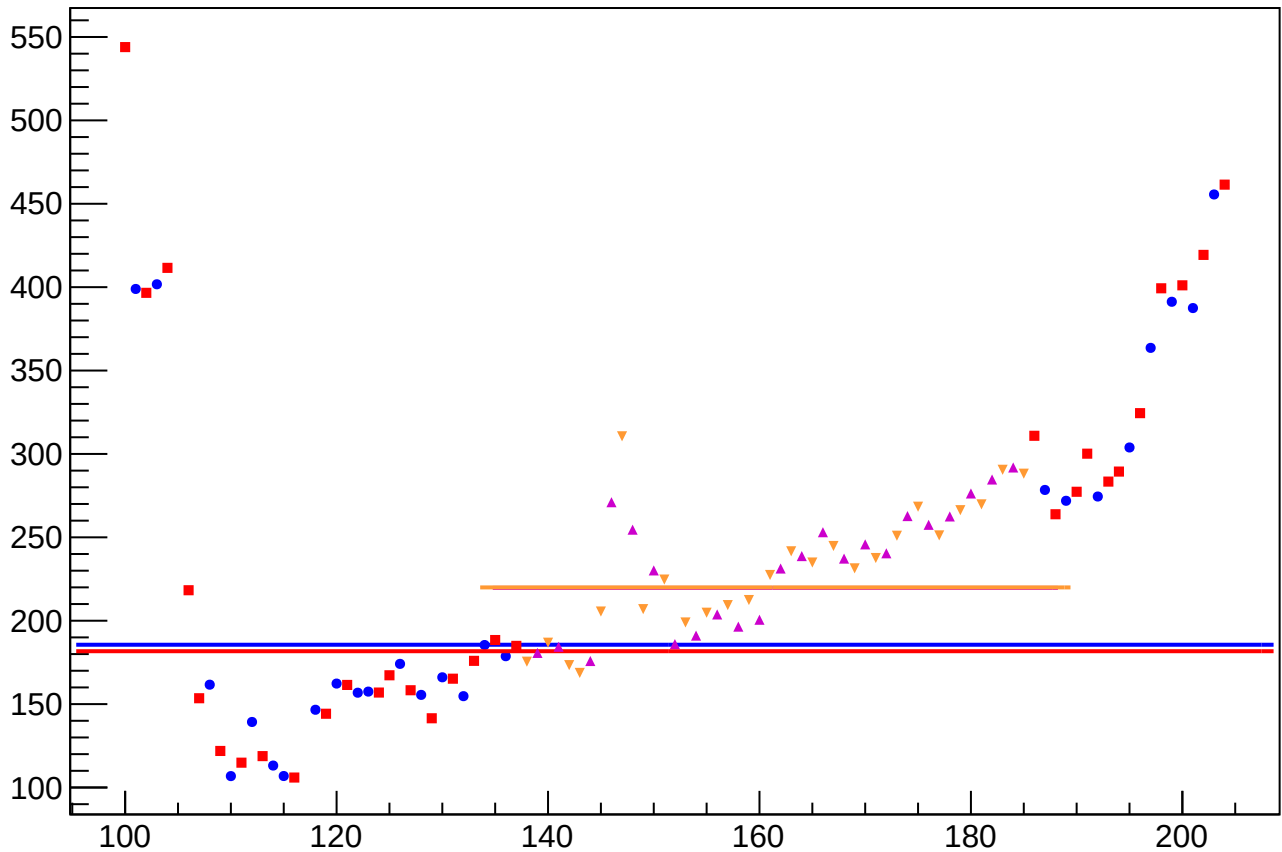
- sign 20.400+/-0.005 χ^2/NDF : 43518340.2/52

yield_bpm0l07WS_mean vs Slug



Right In: 140908.318 $\pm$ 0.059 χ^2 /NDF: 599972747.6/24
 Left Out: 142136.579 $\pm$ 0.052 χ^2 /NDF: 815573343.0/24
 Right Out: 140937.000 $\pm$ 0.054 χ^2 /NDF: 701483875.1/29
 Left In: 142195.020 $\pm$ 0.054 χ^2 /NDF: 644030906.9/22
 + sign 141593.111 $\pm$ 0.039 χ^2 /NDF: 1659349646.0/24
 All: 141578.979 $\pm$ 0.027 χ^2 /NDF: 327807027.1/24
 - sign 141565.559 $\pm$ 0.038 χ^2 /NDF: 1618465548.4/24

yield_bpm0l07WS_rms vs Slug



Right In: 185.598+/-0.042 χ^2/NDF : 3924158.2/24

Left Out: 219.969+/-0.037 χ^2/NDF : 866616.3/24

Right Out: 181.716+/-0.038 χ^2/NDF : 4913338.6/29

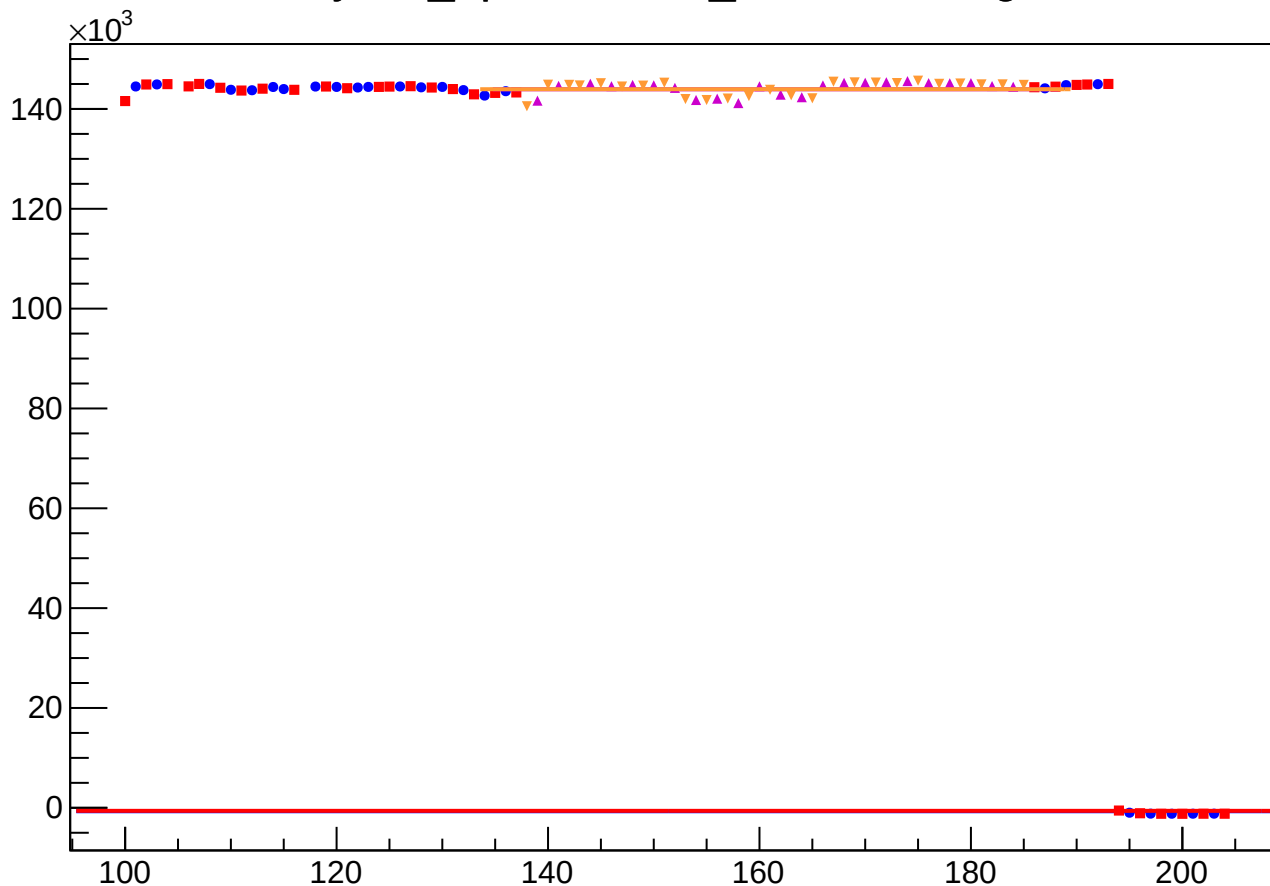
Left In: 219.685+/-0.038 χ^2/NDF : 812745.1/22

+ sign 204.761+/-0.028 χ^2/NDF : 5172605.2/49

All: 202.671+/-0.019 χ^2/NDF : 11407122.1/10

- sign 200.686+/-0.027 χ^2/NDF : 6223359.5/52

yield_bpm0l08WS_mean vs Slug



Right In: -690.572 $\pm$ 0.004 χ^2 /NDF: 5288456100552.5/24

Left Out: 143951.284 $\pm$ 0.052 χ^2 /NDF: 864679545.2/24

Right Out: -608.560 $\pm$ 0.004 χ^2 /NDF: 6391255585736.2/29

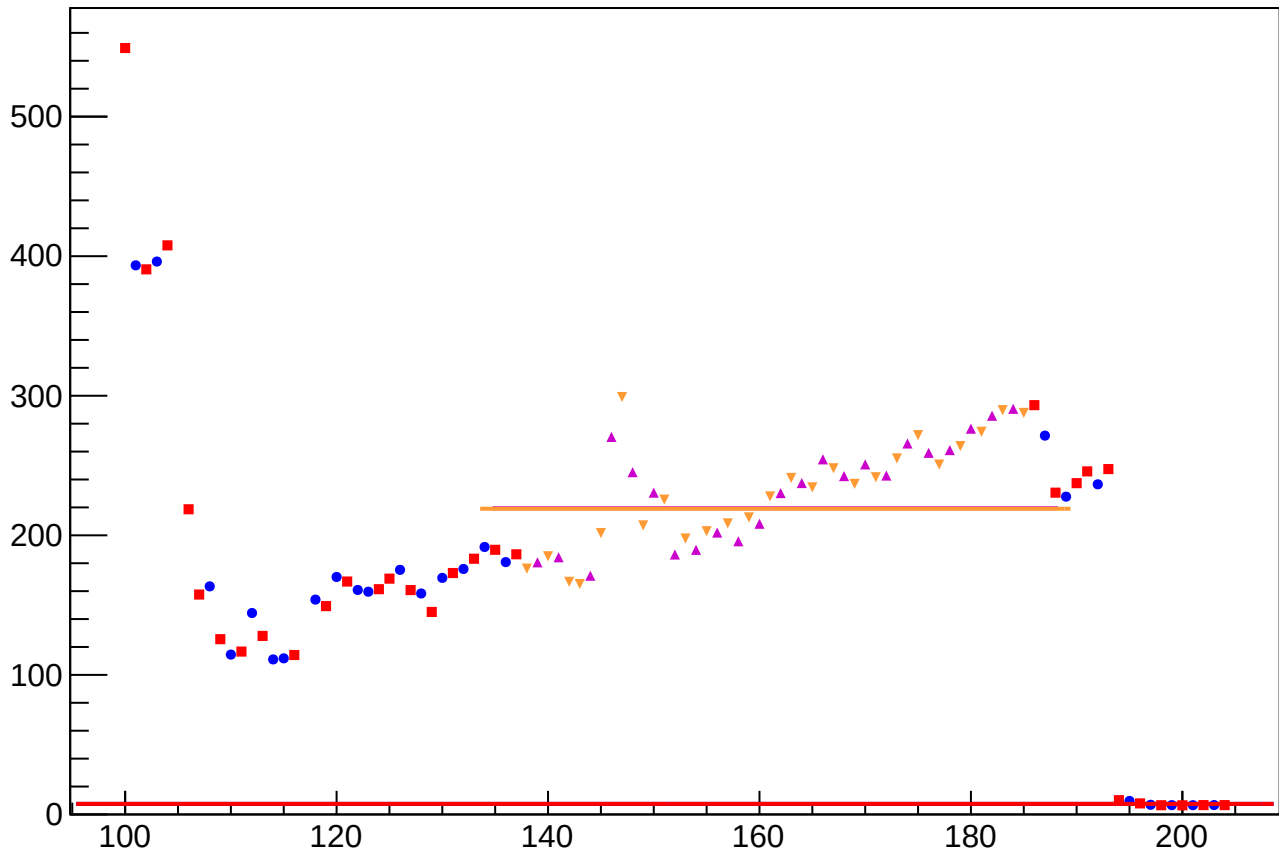
Left In: 143938.288 $\pm$ 0.054 χ^2 /NDF: 719814685.6/22

+ sign -14.645 $\pm$ 0.004 χ^2 /NDF: 12950289319879.8

All: -4.637 $\pm$ 0.003 χ^2 /NDF: 2651923613817

- sign 5.059 $\pm$ 0.004 χ^2 /NDF: 13568931292266.2/5

yield_bpm0l08WS_rms vs Slug



Right In: 7.593 $\pm$ 0.003 χ^2 /NDF: 14872608.6/24

Left Out: 219.050 $\pm$ 0.037 χ^2 /NDF: 934417.6/24

Right Out: 7.566 $\pm$ 0.002 χ^2 /NDF: 17421256.4/29

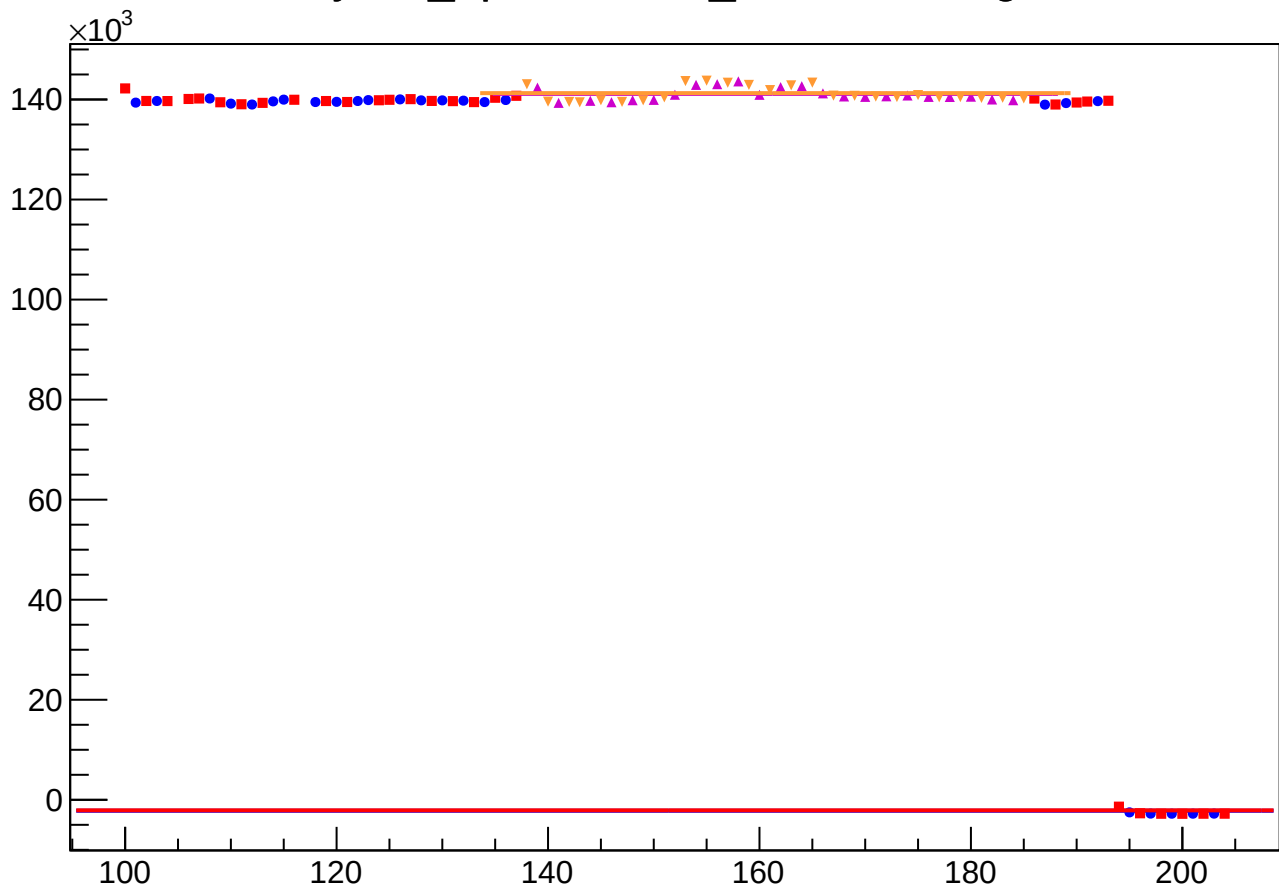
Left In: 219.426 $\pm$ 0.038 χ^2 /NDF: 850089.5/22

+ sign 8.581 $\pm$ 0.003 χ^2 /NDF: 48553713.7/49

All: 8.522 $\pm$ 0.002 χ^2 /NDF: 97661598.1/102

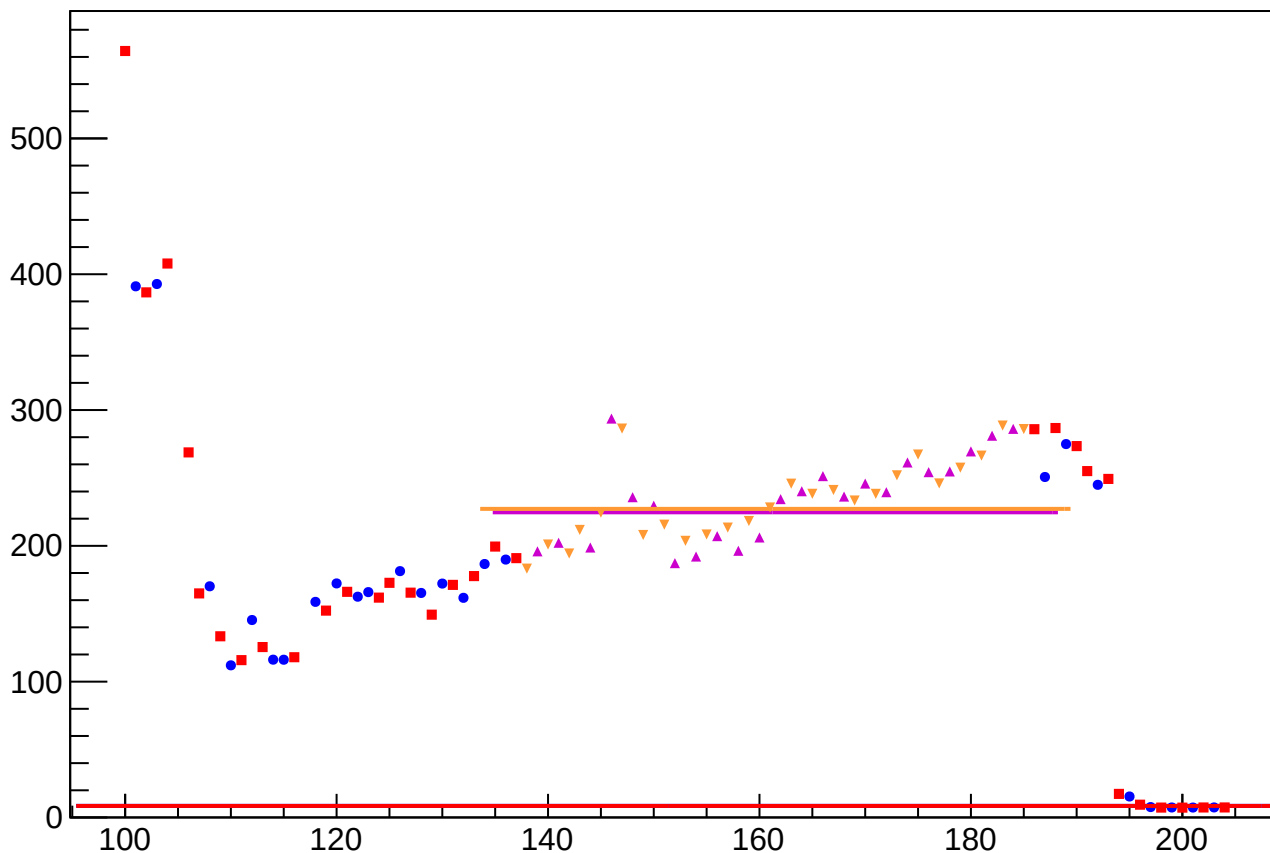
- sign 8.465 $\pm$ 0.002 χ^2 /NDF: 49106804.8/52

yield_bpm0l09WS_mean vs Slug



Right In: -2187.364 $\pm$ 0.004 χ^2 /NDF: 4856441980473.6/24
 Left Out: 141268.791 $\pm$ 0.054 χ^2 /NDF: 795989244.2/24
 Right Out: -2105.402 $\pm$ 0.004 χ^2 /NDF: 5779837230292.1/29
 Left In: 141119.484 $\pm$ 0.055 χ^2 /NDF: 565312728.1/22
 + sign -1369.950 $\pm$ 0.004 χ^2 /NDF: 1195341821948
 All: -1364.696 $\pm$ 0.003 χ^2 /NDF: 2450069975
 - sign -1359.675 $\pm$ 0.004 χ^2 /NDF: 1254727825381

yield_bpm0l09WS_rms vs Slug



Right In: 8.533 ± 0.003 χ^2/NDF : 15011251.5/24

Left Out: 227.224 ± 0.038 χ^2/NDF : 484955.3/24

Right Out: 8.481 ± 0.003 χ^2/NDF : 17447939.3/29

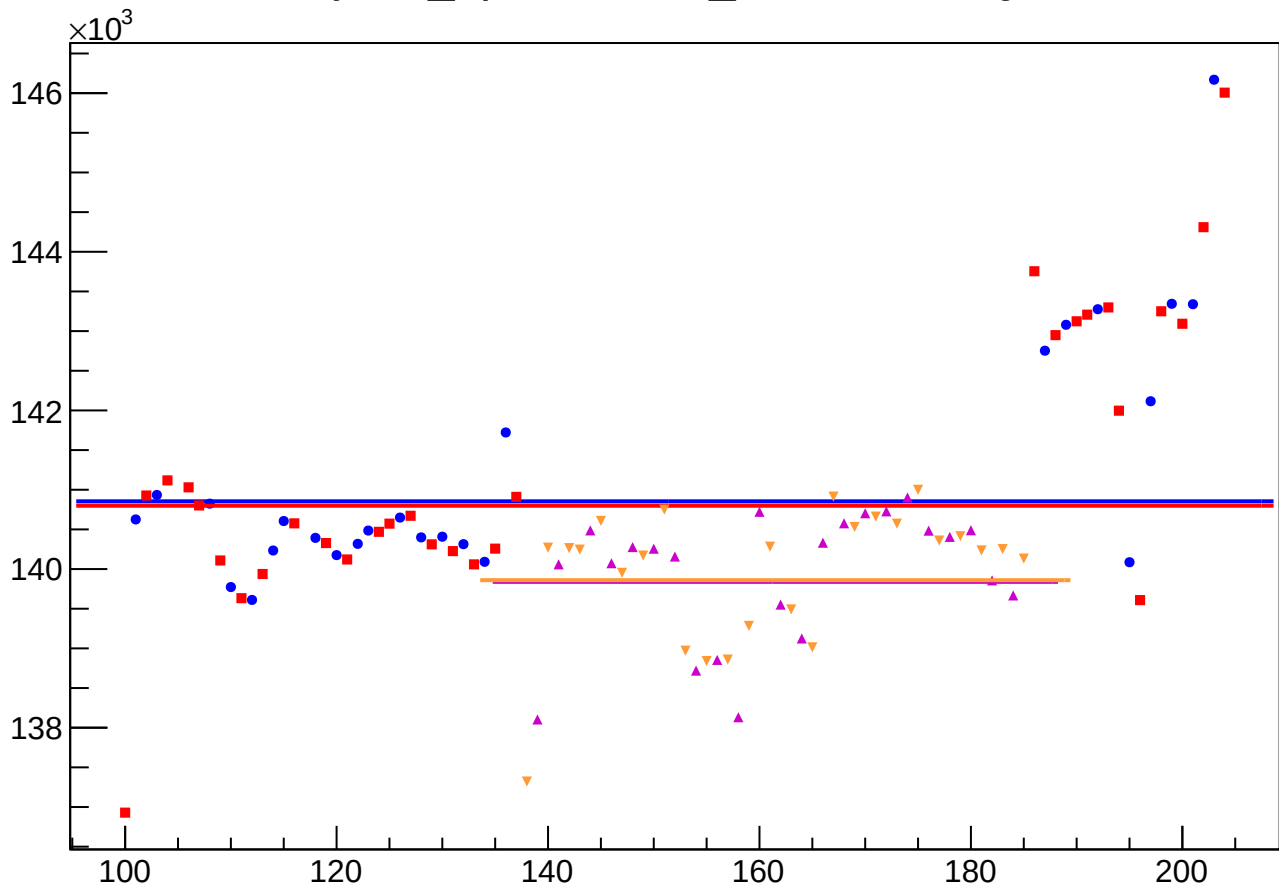
Left In: 224.686 ± 0.039 χ^2/NDF : 578366.0/22

+ sign 9.779 ± 0.003 χ^2/NDF : 48478384.0/49

All: 9.691 ± 0.002 χ^2/NDF : 97346389.5/102

- sign 9.607 ± 0.003 χ^2/NDF : 48866170.9/52

yield_bpm0l10WS_mean vs Slug



Right In: 140854.061 ± 0.061 $\chi^2/\text{NDF}: 403440842.1/24$

Left Out: 139859.696 ± 0.051 $\chi^2/\text{NDF}: 330118281.5/24$

Right Out: 140798.428 ± 0.056 $\chi^2/\text{NDF}: 504374298.0/29$

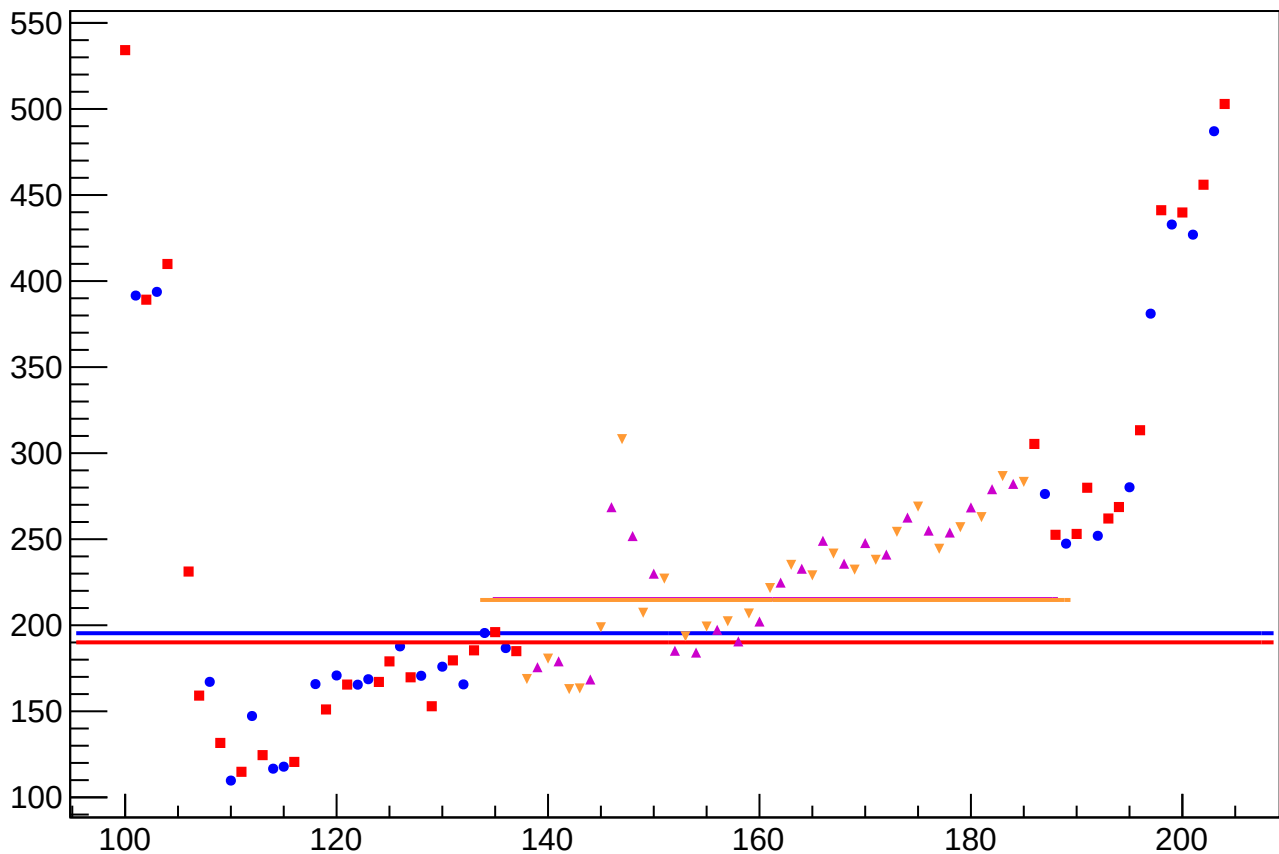
Left In: 139838.724 ± 0.053 $\chi^2/\text{NDF}: 279573689.3/22$

+ sign 140265.864 ± 0.039 $\chi^2/\text{NDF}: 888248500.3/4$

All: 140278.926 ± 0.027 $\chi^2/\text{NDF}: 182824618$

- sign 140291.382 ± 0.038 $\chi^2/\text{NDF}: 939781872.3/5$

yield_bpm0l10WS_rms vs Slug



Right In: 195.369+/-0.043 χ^2/NDF : 3619829.7/24

Left Out: 214.693+/-0.036 χ^2/NDF : 981105.5/24

Right Out: 190.058+/-0.040 χ^2/NDF : 4519884.2/29

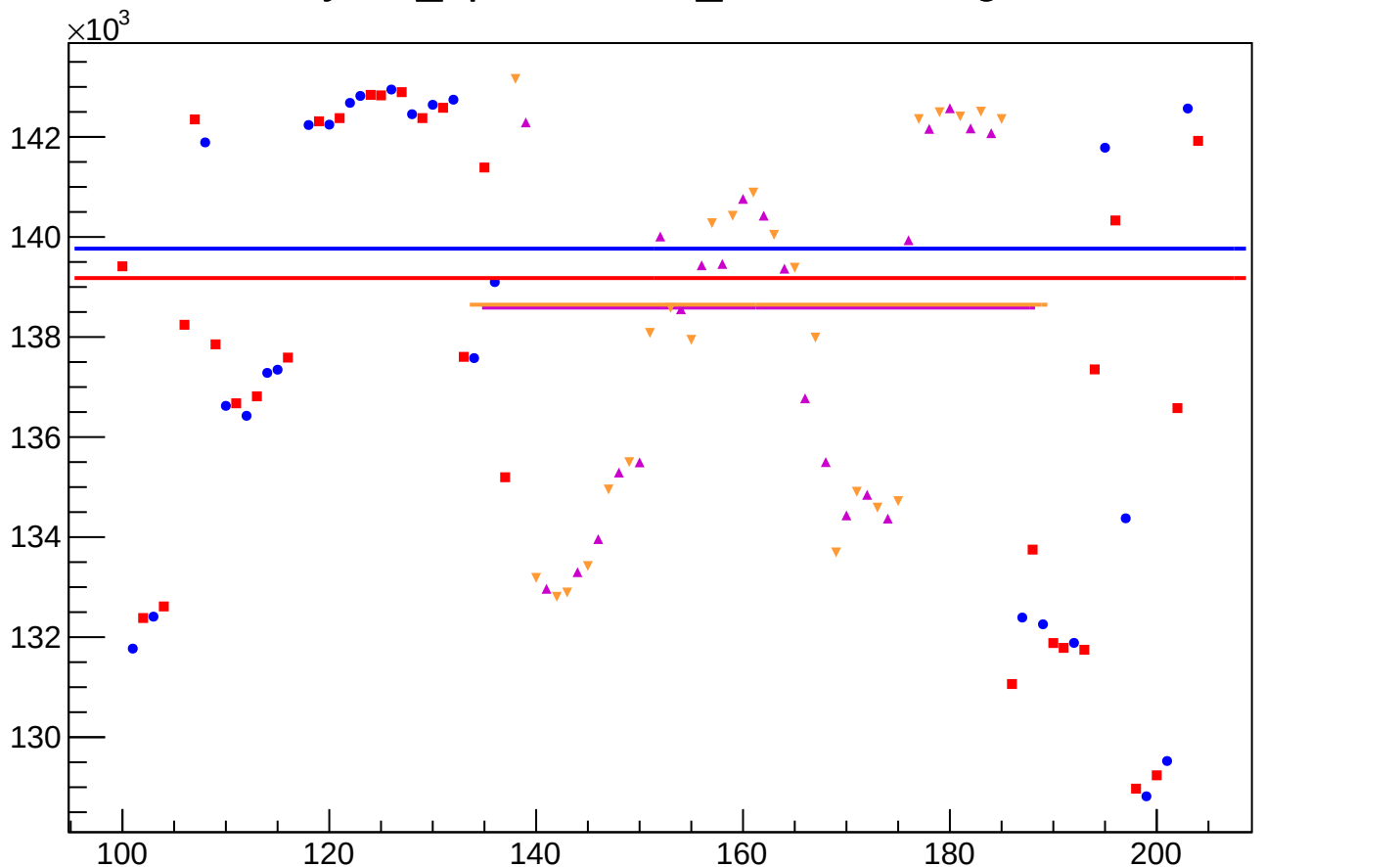
Left In: 215.222+/-0.037 χ^2/NDF : 881945.0/22

+ sign 206.800+/-0.028 χ^2/NDF : 4717770.3/49

All: 205.035+/-0.019 χ^2/NDF : 10341746.4/10

- sign 203.353+/-0.027 χ^2/NDF : 5616101.7/52

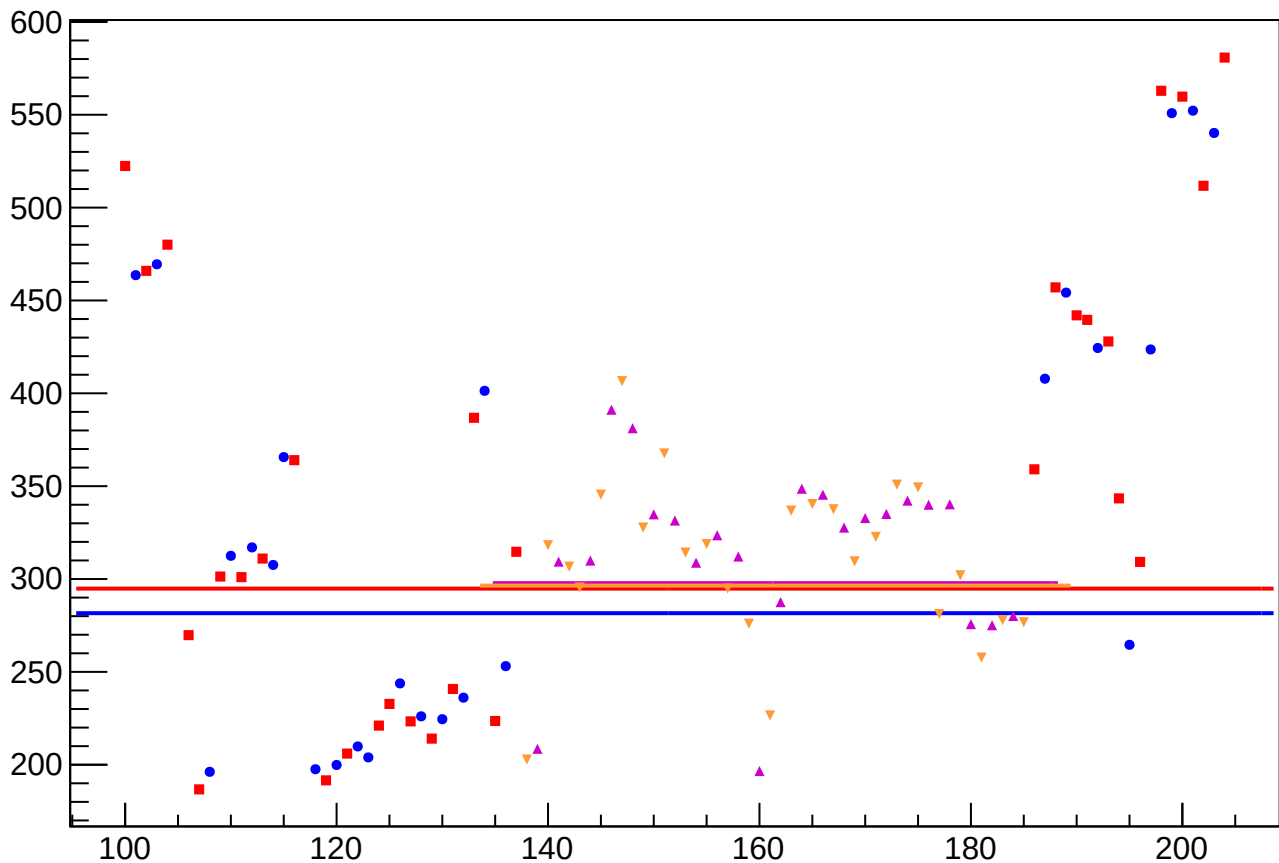
yield_bpm0r03WS_mean vs Slug



Right In: 139766.678 $\pm$ 0.087 χ^2 /NDF: 2187866874.2/24
 Left Out: 138646.366 $\pm$ 0.071 χ^2 /NDF: 2548637600.4/24
 Right Out: 139178.344 $\pm$ 0.085 χ^2 /NDF: 2348291266.9/29
 Left In: 138588.711 $\pm$ 0.074 χ^2 /NDF: 1948065195.1/22

+ sign 139090.792 $\pm$ 0.055 χ^2 /NDF: 4835691594.8
 All: 138967.877 $\pm$ 0.039 χ^2 /NDF: 916969660
 - sign 138842.399 $\pm$ 0.056 χ^2 /NDF: 4323923404.9/

yield_bpm0r03WS_rms vs Slug



Right In: 281.609 $\pm$ 0.062 χ^2 /NDF: 2777944.3/24

Left Out: 296.464 $\pm$ 0.050 χ^2 /NDF: 893579.7/24

Right Out: 294.840 $\pm$ 0.060 χ^2 /NDF: 3251410.3/29

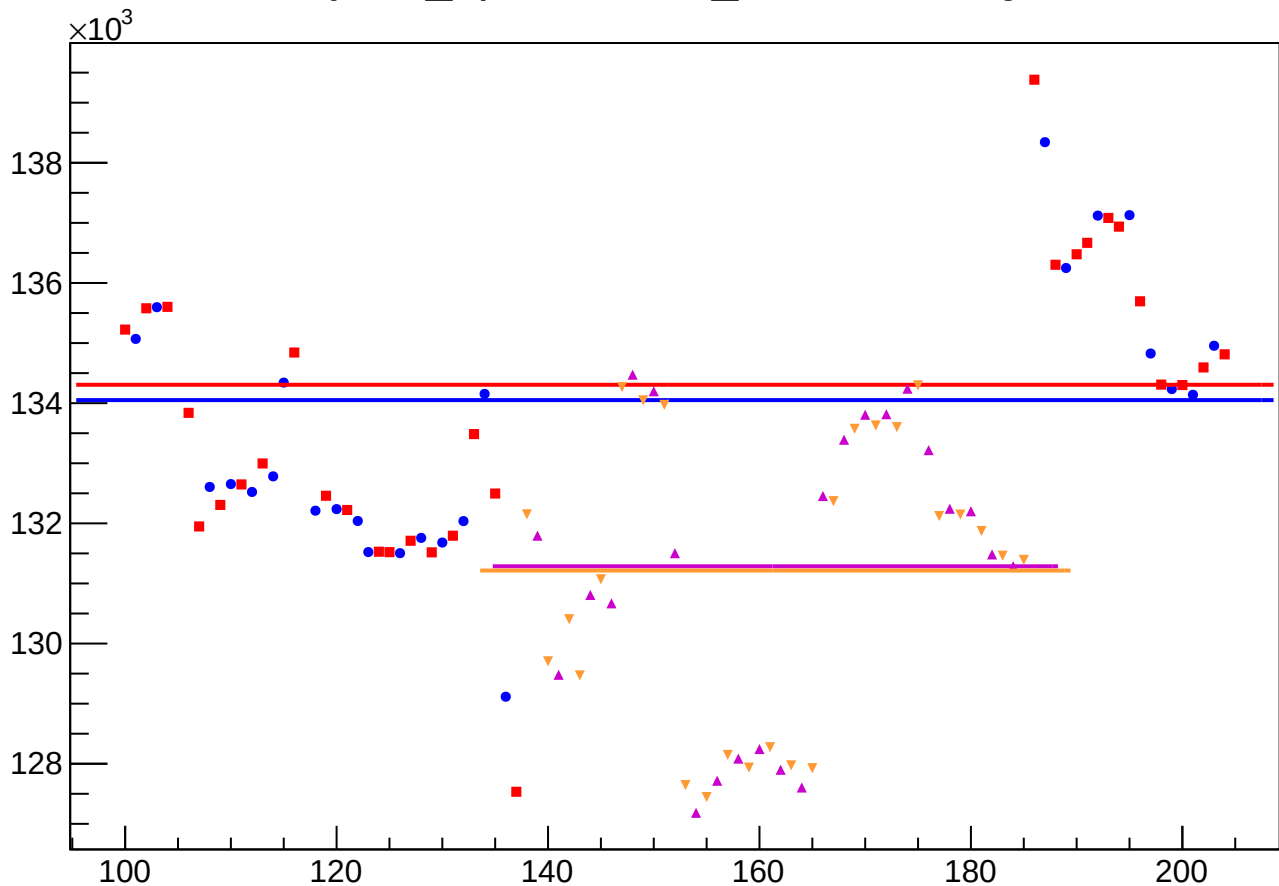
Left In: 297.774 $\pm$ 0.052 χ^2 /NDF: 1061489.5/22

+ sign 290.571 $\pm$ 0.039 χ^2 /NDF: 3706403.9/49

All: 293.511 $\pm$ 0.028 χ^2 /NDF: 8032201.5/102

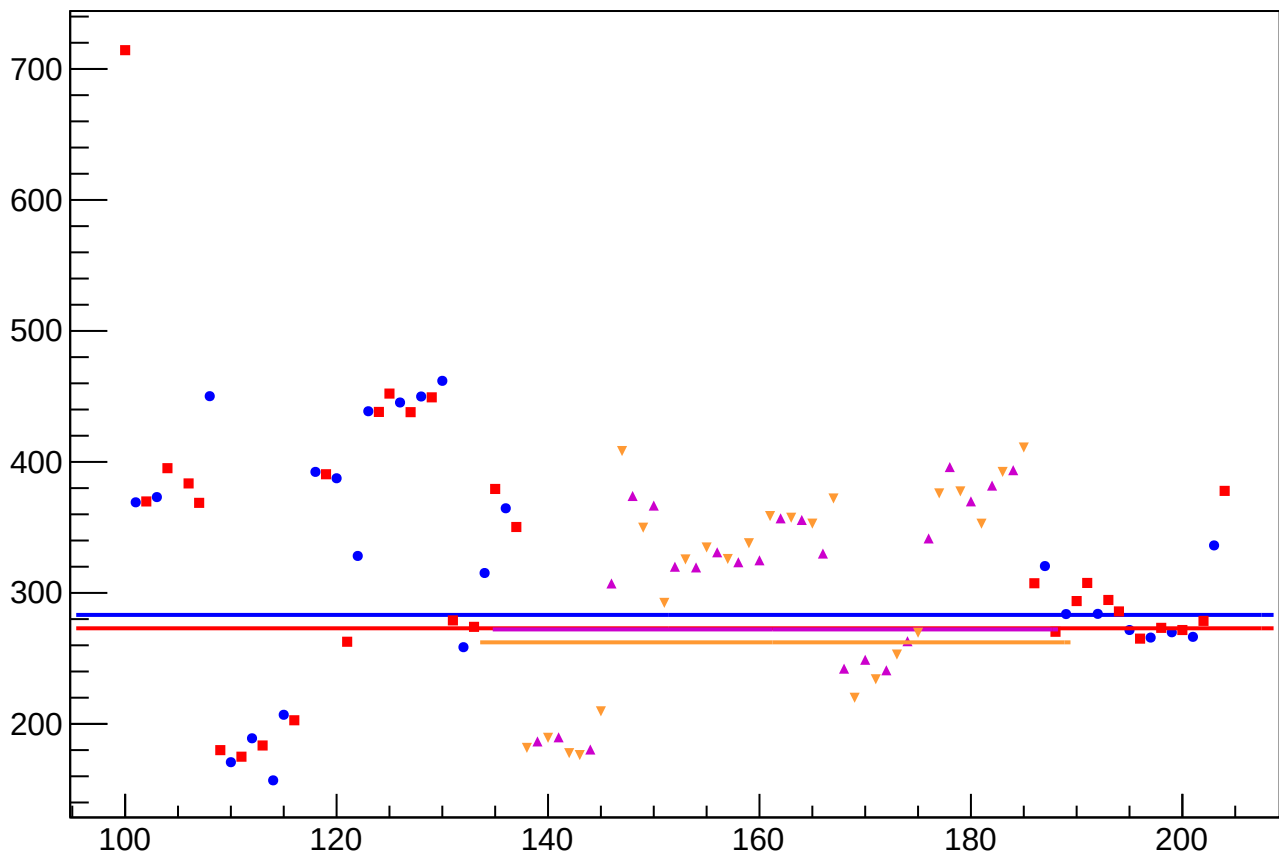
- sign 296.512 $\pm$ 0.039 χ^2 /NDF: 4314265.6/52

yield_bpm0r05WS_mean vs Slug



Right In: 134050.904 $\pm$ 0.085 χ^2 /NDF: 596593874.1/24
 Left Out: 131214.985 $\pm$ 0.064 χ^2 /NDF: 1173424494.6/24
 Right Out: 134306.068 $\pm$ 0.076 χ^2 /NDF: 678392503.4/29
 Left In: 131285.623 $\pm$ 0.068 χ^2 /NDF: 1056232192.1/22
 + sign 132250.233 $\pm$ 0.051 χ^2 /NDF: 2479761349.1/24
 All: 132443.278 $\pm$ 0.036 χ^2 /NDF: 511428040.0/24
 - sign 132633.352 $\pm$ 0.051 χ^2 /NDF: 2606360050.3/24

yield_bpm0r05WS_rms vs Slug



Right In: 283.205 ± 0.060 $\chi^2/\text{NDF}: 1576411.6/24$

Left Out: 262.260 ± 0.045 $\chi^2/\text{NDF}: 2818169.1/24$

Right Out: 272.980 ± 0.054 $\chi^2/\text{NDF}: 1776409.5/29$

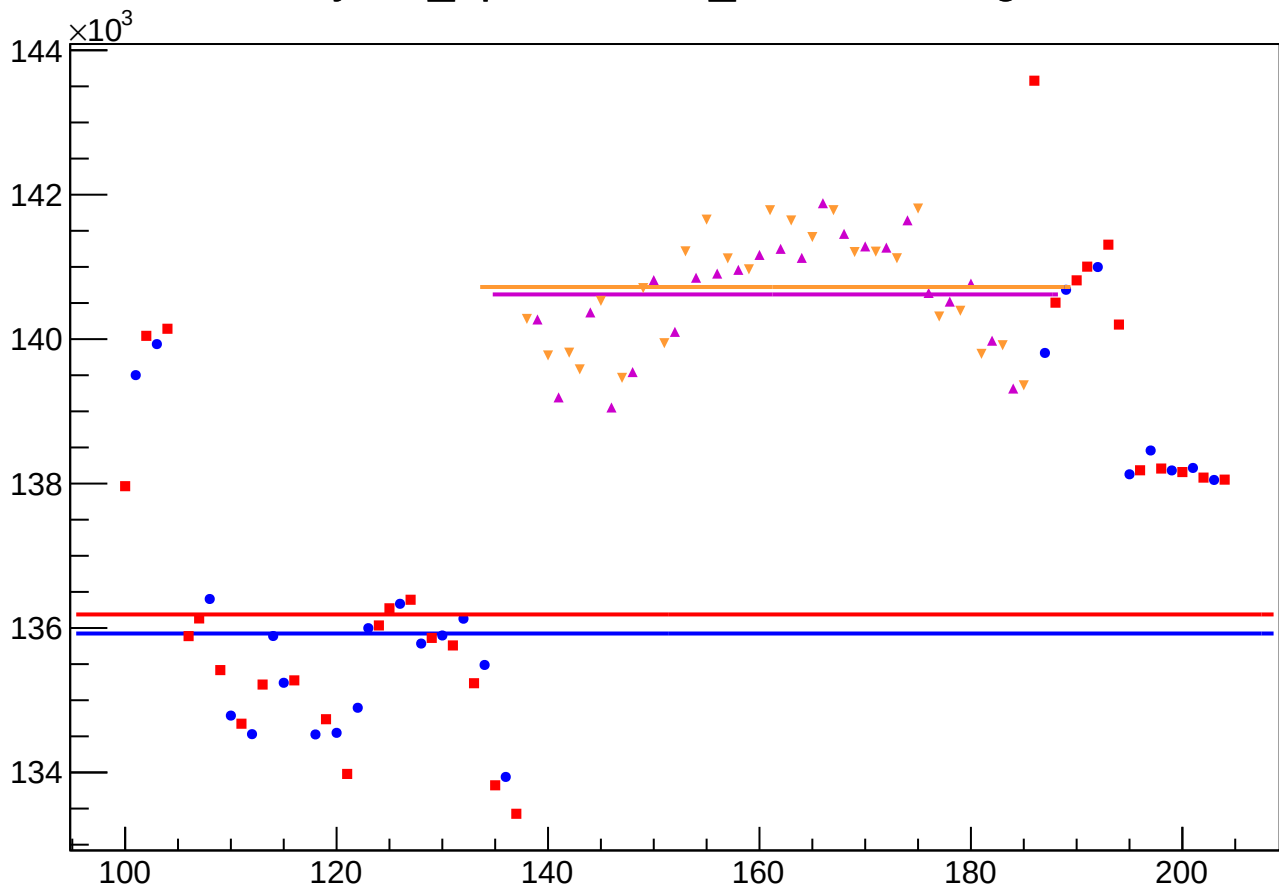
Left In: 272.115 ± 0.048 $\chi^2/\text{NDF}: 2221925.0/22$

+ sign 269.906 ± 0.036 $\chi^2/\text{NDF}: 4472015.8/49$

All: 271.213 ± 0.026 $\chi^2/\text{NDF}: 8473077.5/102$

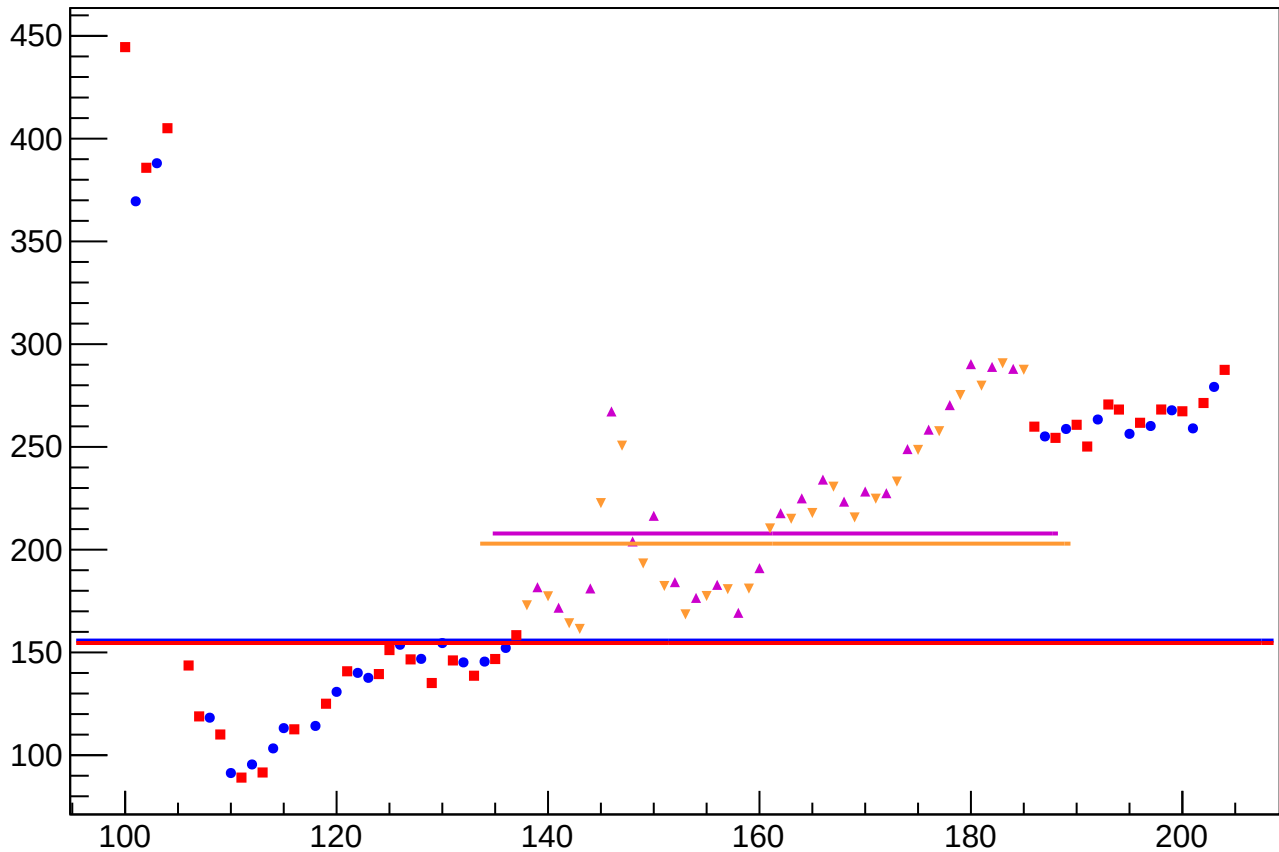
- sign 272.501 ± 0.036 $\chi^2/\text{NDF}: 3998477.8/52$

yield_bpm0i02WS_mean vs Slug



Right In: 135923.933 $\pm$ 0.049	χ^2 /NDF: 1369879754.3/24	+ sign 138350.869 $\pm$ 0.034	χ^2 /NDF: 6471867821.3
Left Out: 140721.823 $\pm$ 0.048	χ^2 /NDF: 247257762.8/24	All: 138249.936 $\pm$ 0.024	χ^2 /NDF: 12933305
Right Out: 136187.882 $\pm$ 0.046	χ^2 /NDF: 2054283043.9/29	- sign 138151.458 $\pm$ 0.034	χ^2 /NDF: 6444456431.5
Left In: 140619.038 $\pm$ 0.051	χ^2 /NDF: 200370178.0/22		

yield_bpm0i02WS_rms vs Slug



Right In: 155.768+/-0.035 χ^2/NDF : 3648019.1/24

Left Out: 202.934+/-0.034 χ^2/NDF : 1052283.6/24

Right Out: 154.586+/-0.032 χ^2/NDF : 4562201.6/29

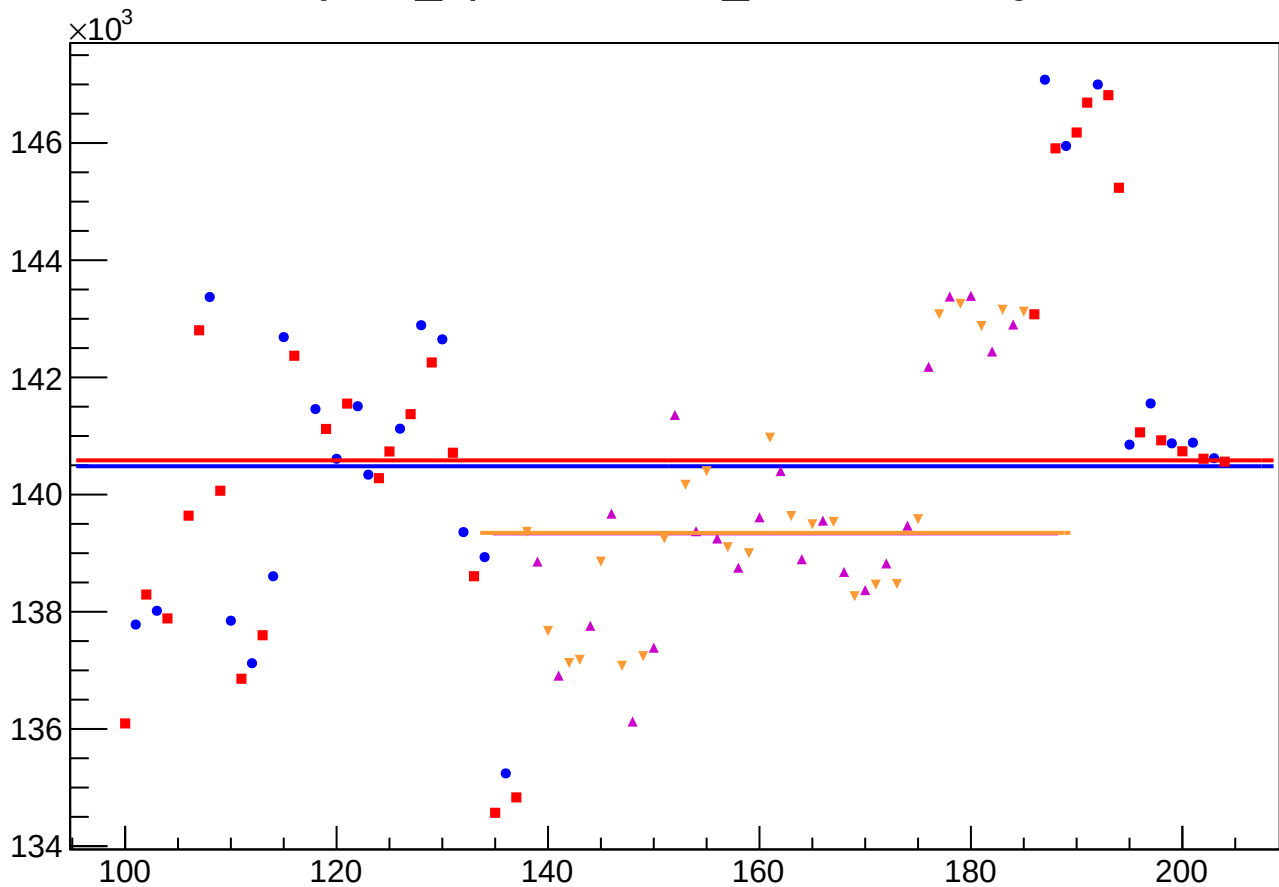
Left In: 207.872+/-0.036 χ^2/NDF : 949200.3/22

+ sign 179.626+/-0.024 χ^2/NDF : 5638635.8/49

All: 178.904+/-0.017 χ^2/NDF : 12363518.5/10

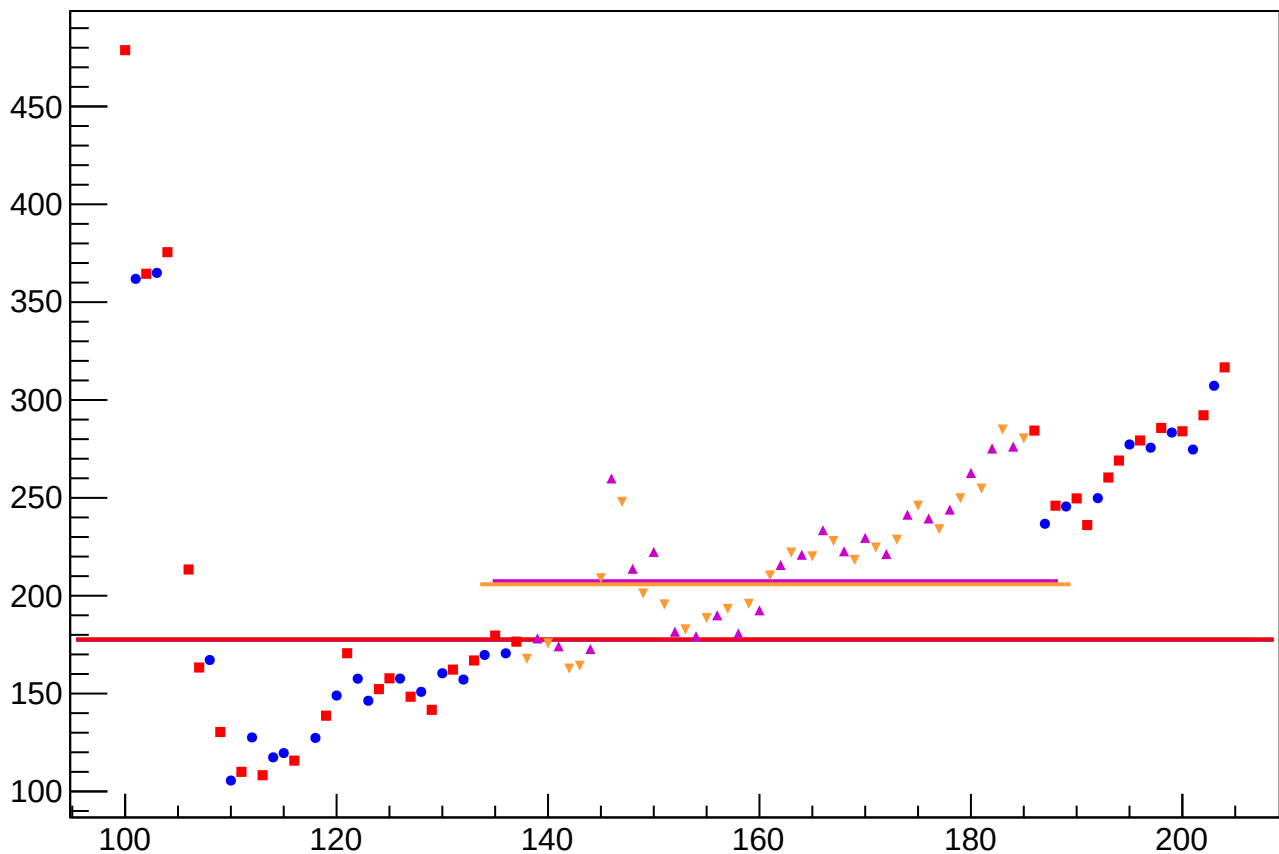
- sign 178.199+/-0.024 χ^2/NDF : 6723142.4/52

yield_bpm0i02aWS_mean vs Slug



Right In: 140483.559 $\pm$ 0.055 χ^2 /NDF: 2770970577.3/24
 Left Out: 139346.604 $\pm$ 0.049 χ^2 /NDF: 1271172976.7/24
 Right Out: 140583.984 $\pm$ 0.051 χ^2 /NDF: 3211294353.6/29
 Left In: 139337.874 $\pm$ 0.051 χ^2 /NDF: 1293003954.9/22
 + sign 139852.367 $\pm$ 0.036 χ^2 /NDF: 4281980869.2
 All: 139904.852 $\pm$ 0.026 χ^2 /NDF: 908848598
 - sign 139956.195 $\pm$ 0.036 χ^2 /NDF: 4802411086.5

yield_bpm0i02aWS_rms vs Slug



Right In: 177.556 $\pm$ 0.039 χ^2 /NDF: 2777813.9/24

Left Out: 205.833 $\pm$ 0.035 χ^2 /NDF: 738666.4/24

Right Out: 177.649 $\pm$ 0.036 χ^2 /NDF: 3523594.6/29

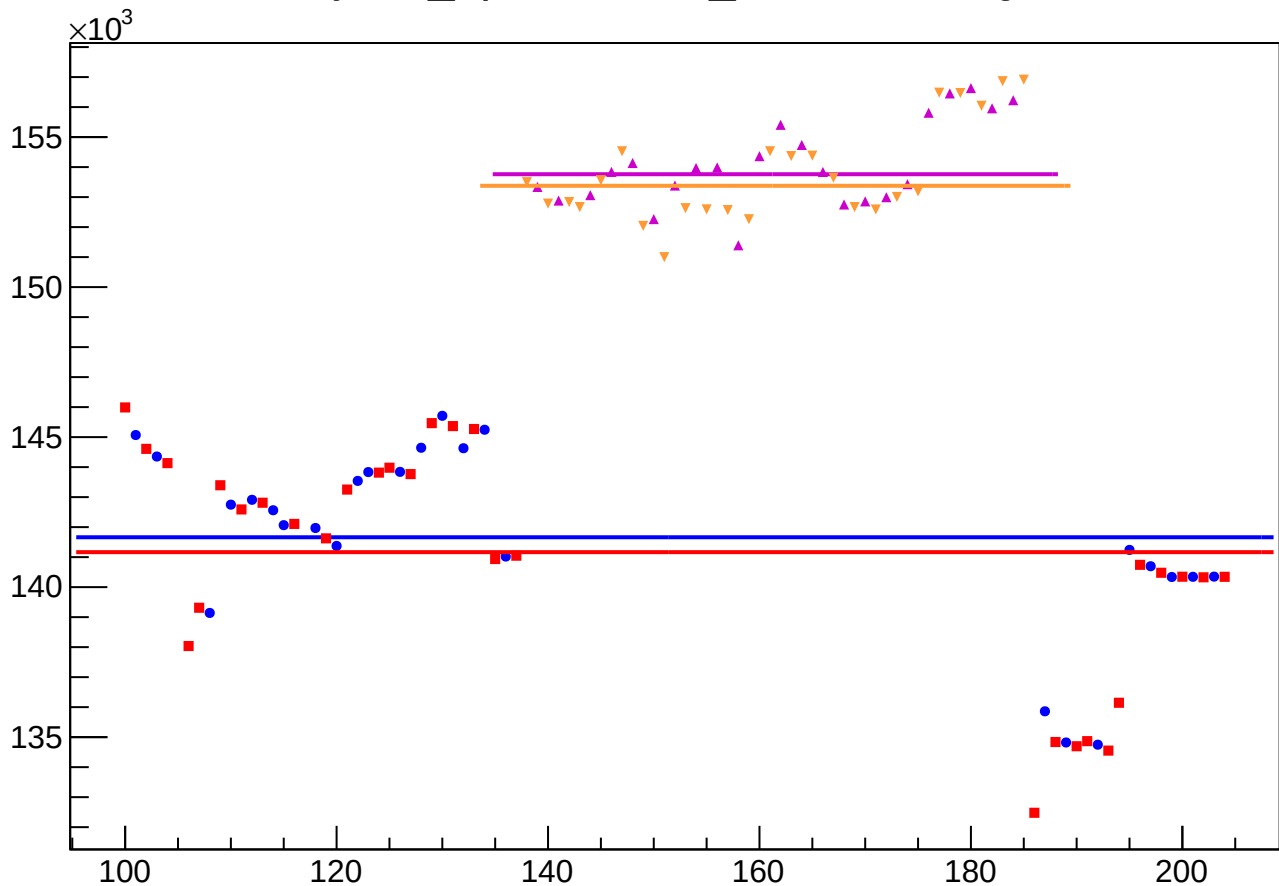
Left In: 207.416 $\pm$ 0.036 χ^2 /NDF: 701955.3/22

+ sign 193.254 $\pm$ 0.026 χ^2 /NDF: 3813183.9/49

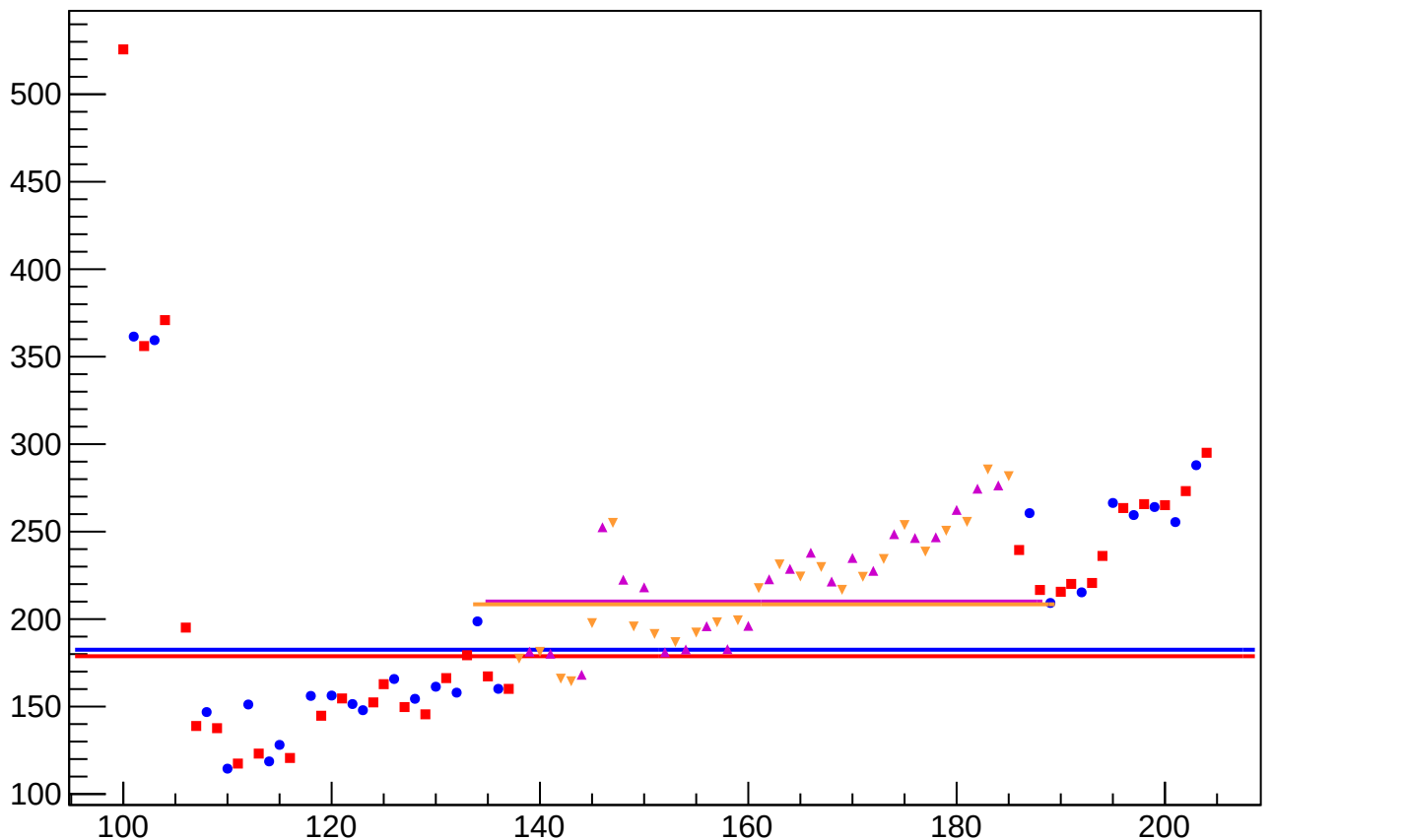
All: 192.947 $\pm$ 0.018 χ^2 /NDF: 8379246.1/102

- sign 192.646 $\pm$ 0.026 χ^2 /NDF: 4565781.0/52

yield_bpm0i05WS_mean vs Slug



yield_bpm0i05WS_rms vs Slug



Right In: 182.500 $\pm$ 0.039 χ^2 /NDF: 2042438.3/24

Left Out: 208.466 $\pm$ 0.035 χ^2 /NDF: 720894.7/24

Right Out: 178.786 $\pm$ 0.036 χ^2 /NDF: 2565440.5/29

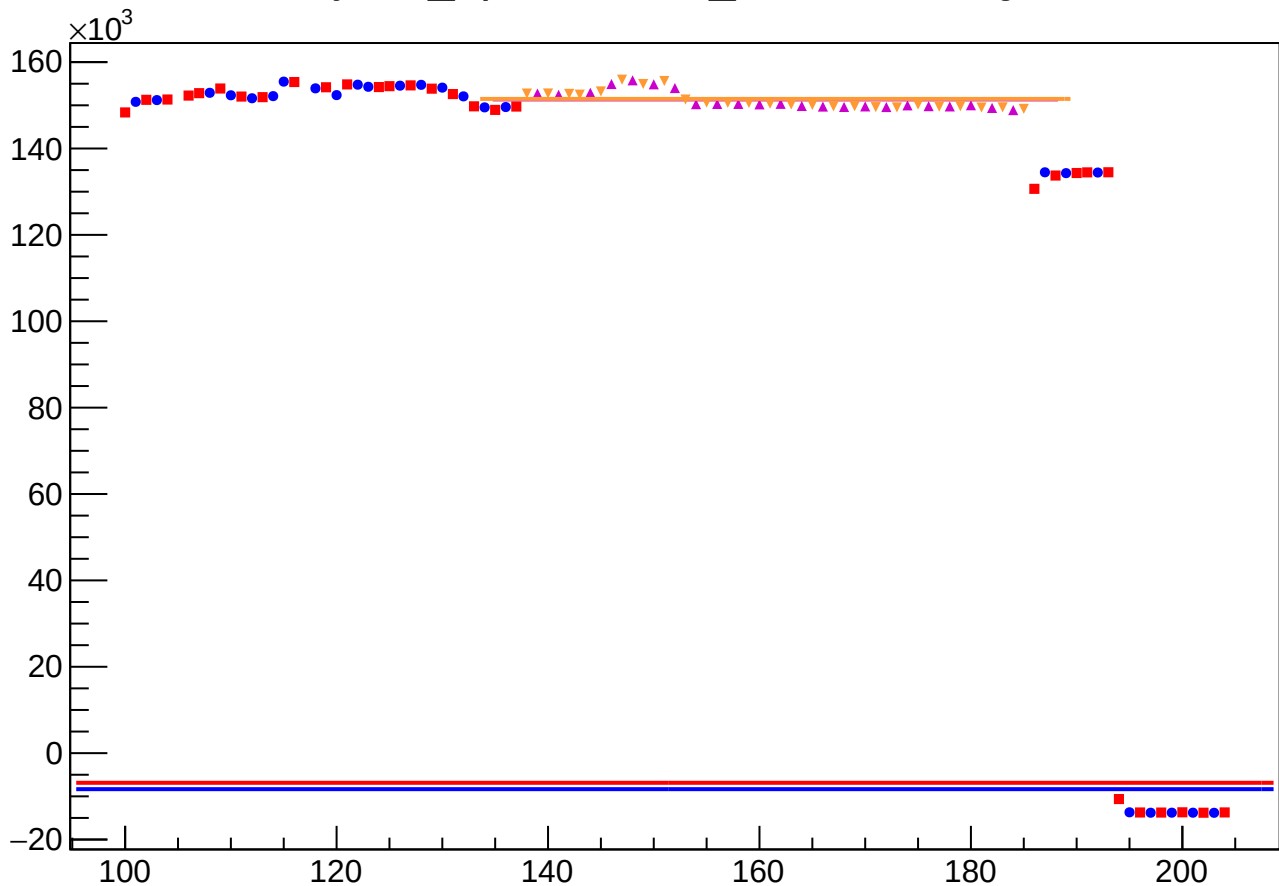
Left In: 210.038 $\pm$ 0.036 χ^2 /NDF: 702369.5/22

+ sign 196.907 $\pm$ 0.026 χ^2 /NDF: 3007959.4/49

All: 195.498 $\pm$ 0.018 χ^2 /NDF: 6656643.5/102

- sign 194.151 $\pm$ 0.026 χ^2 /NDF: 3642979.6/52

yield_bpm0i07WS_mean vs Slug



Right In: -8338.713 $\pm$ 0.012

χ^2/NDF : 5815132905671.0/24

Left Out: 151483.385 $\pm$ 0.050

χ^2/NDF : 1481910066.9/24

Right Out: -6862.703 $\pm$ 0.012

χ^2/NDF : 7069628417588.3/29

Left In: 151363.165 $\pm$ 0.051

χ^2/NDF : 1421662089.0/22

+ sign 764.427 $\pm$ 0.012

χ^2/NDF : 15638633493581.

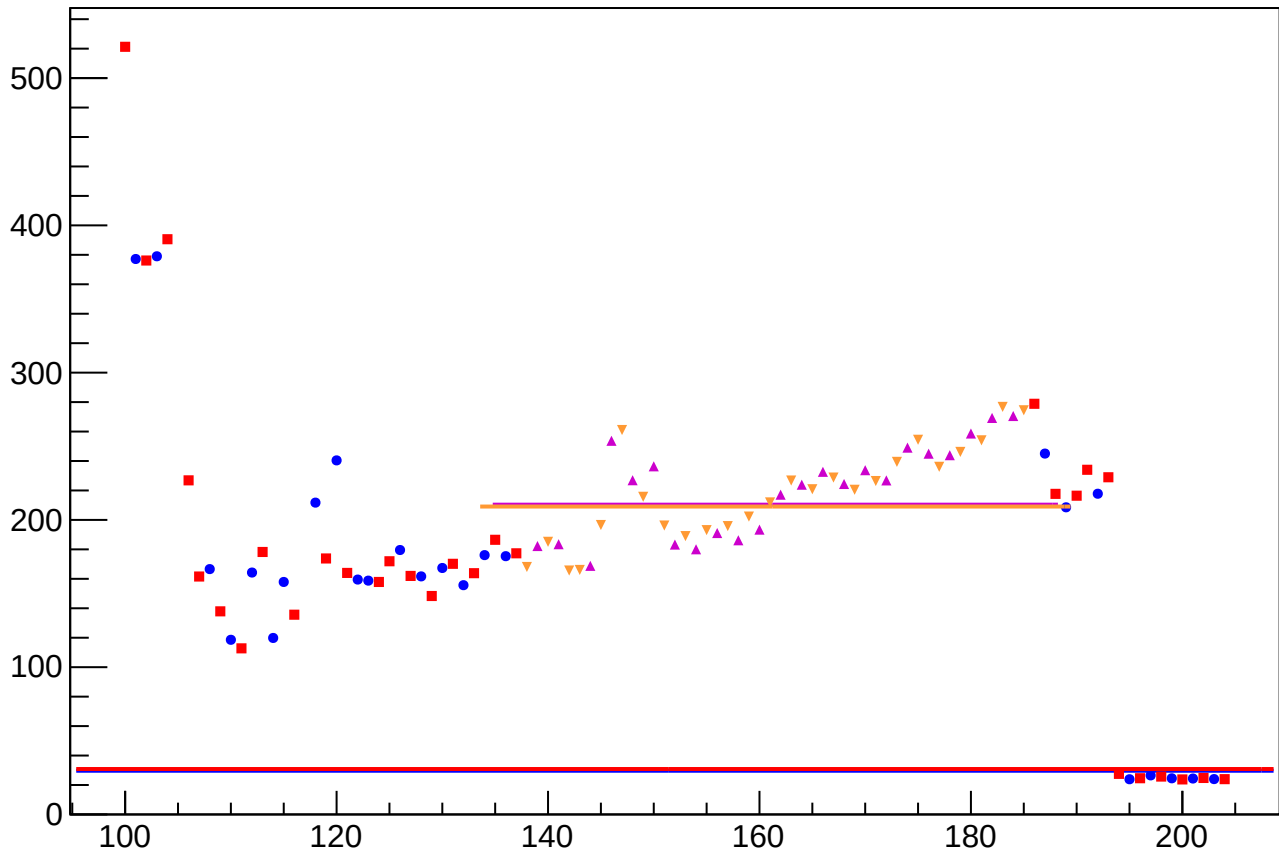
All: 1119.493 $\pm$ 0.008

χ^2/NDF : 31687960277

- sign 1473.308 $\pm$ 0.012

χ^2/NDF : 16047524910695

yield_bpm0i07WS_rms vs Slug



Right In: 29.694 $\pm$ 0.009 χ^2 /NDF: 11420172.9/24

Left Out: 209.076 $\pm$ 0.035 χ^2 /NDF: 708260.3/24

Right Out: 30.850 $\pm$ 0.009 χ^2 /NDF: 13312266.2/29

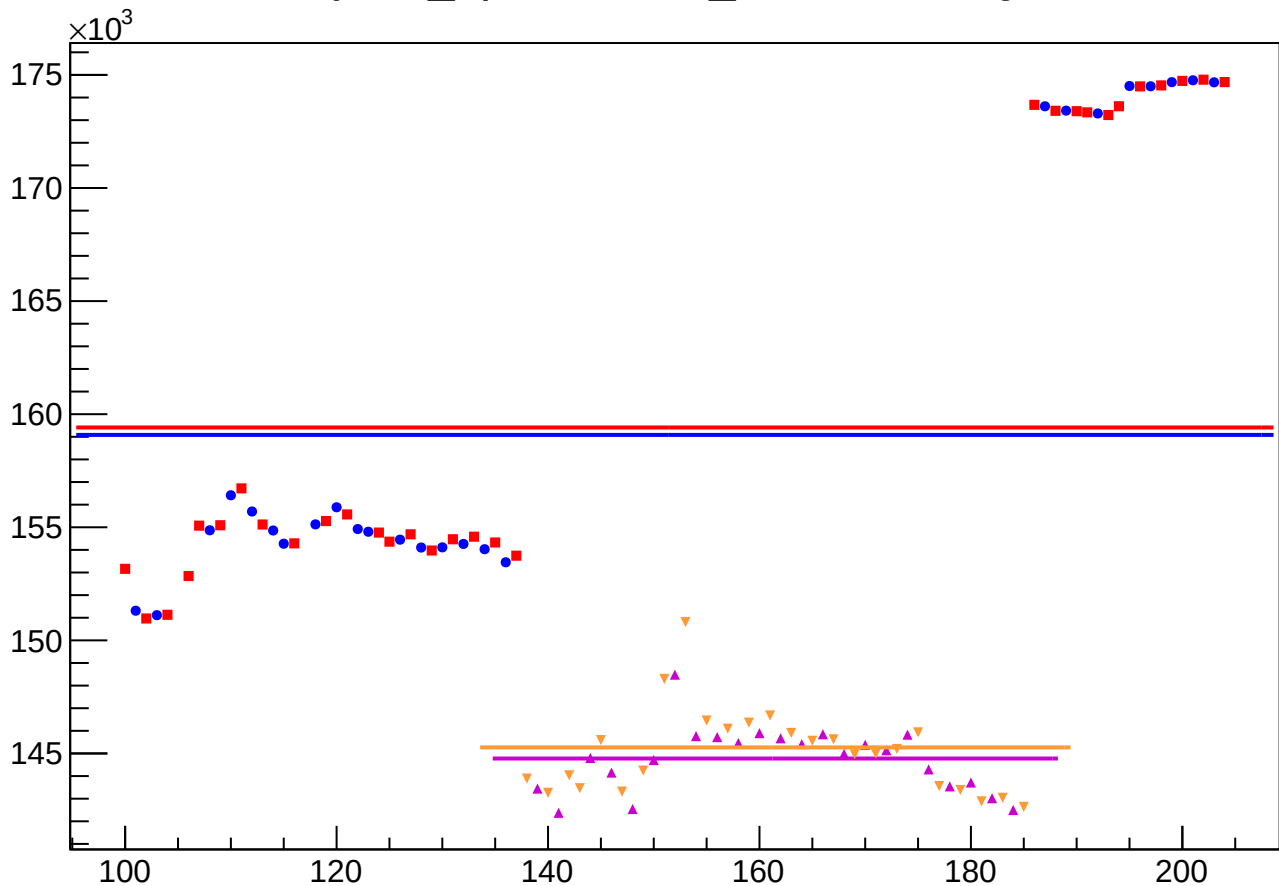
Left In: 210.345 $\pm$ 0.036 χ^2 /NDF: 677747.7/22

+ sign 39.911 $\pm$ 0.008 χ^2 /NDF: 36875074.8/49

All: 40.109 $\pm$ 0.006 χ^2 /NDF: 73970018.6/102

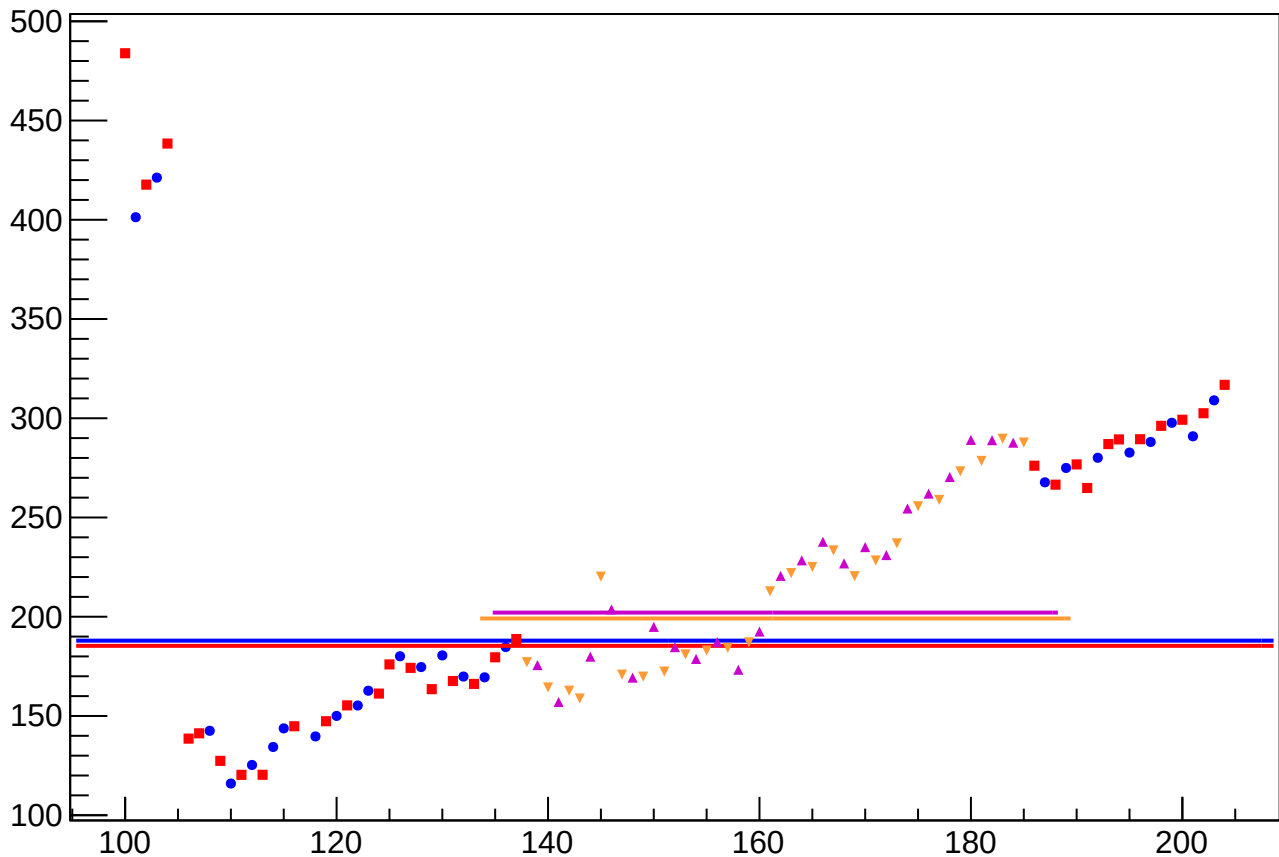
- sign 40.307 $\pm$ 0.008 χ^2 /NDF: 37093819.8/52

yield_bpm1i02WS_mean vs Slug



Right In: 159084.400+/-0.058	χ^2/NDF : 19805694384.8/24	+ sign 150823.057+/-0.037	χ^2/NDF : 55704253512.0
Left Out: 145266.717+/-0.047	χ^2/NDF : 1717707352.7/24	All: 151209.467+/-0.026	χ^2/NDF : 121503633.0
Right Out: 159412.335+/-0.053	χ^2/NDF : 24072903705.5/29	- sign 151587.304+/-0.036	χ^2/NDF : 65579480016.0
Left In: 144776.016+/-0.050	χ^2/NDF : 918120275.4/22		

yield_bpm1i02WS_rms vs Slug



Right In: 187.948 $\pm$ 0.041 χ^2 /NDF: 2860788.2/24

Left Out: 199.118 $\pm$ 0.034 χ^2 /NDF:1152231.0/24

Right Out: 185.336 $\pm$ 0.038 χ^2 /NDF: 3568558.6/29

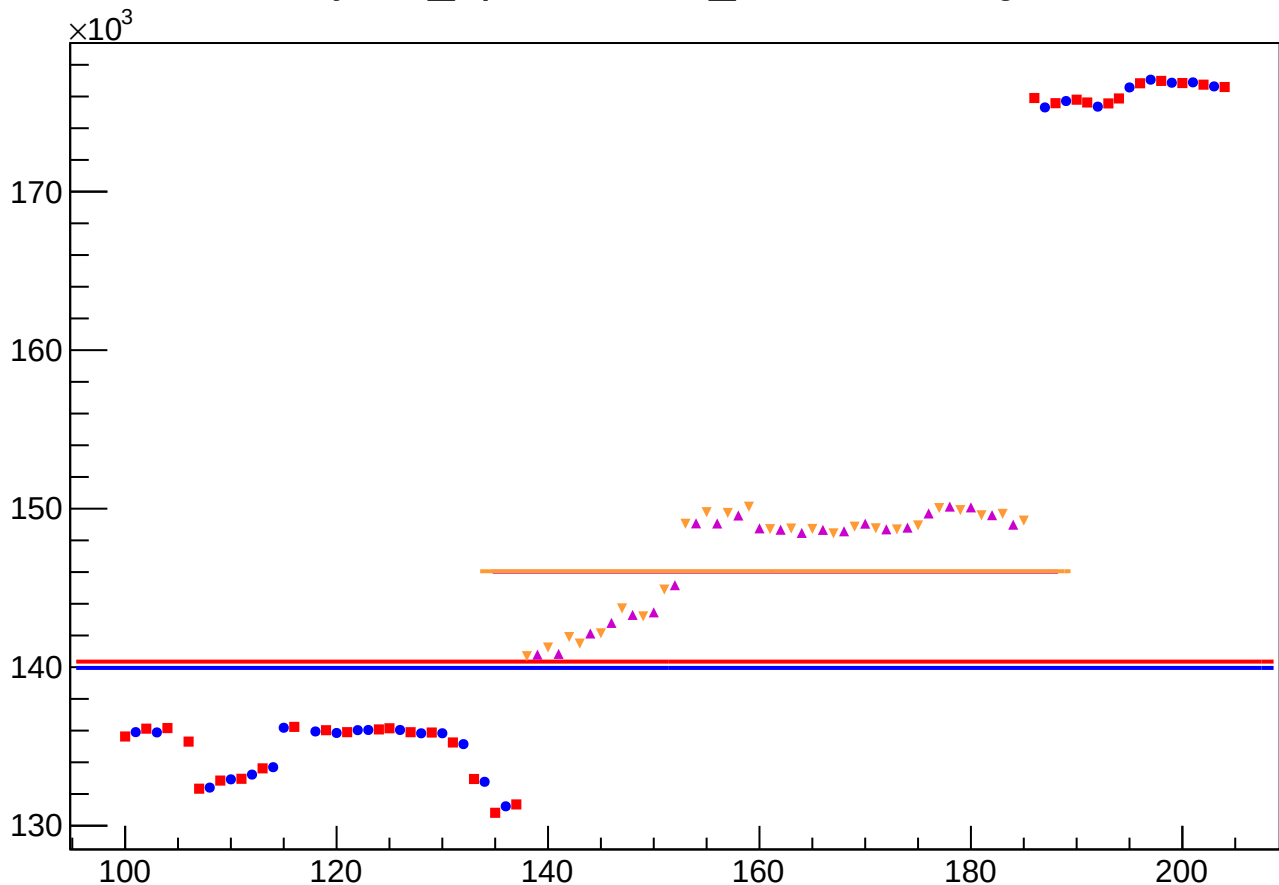
Left In: 202.090 $\pm$ 0.035 χ^2 /NDF:1057833.2/22

+ sign 194.626 $\pm$ 0.026 χ^2 /NDF: 4057692.4/49

All: 194.458 $\pm$ 0.018 χ^2 /NDF: 8790540.7/102

- sign 194.293 $\pm$ 0.026 χ^2 /NDF: 4732764.6/52

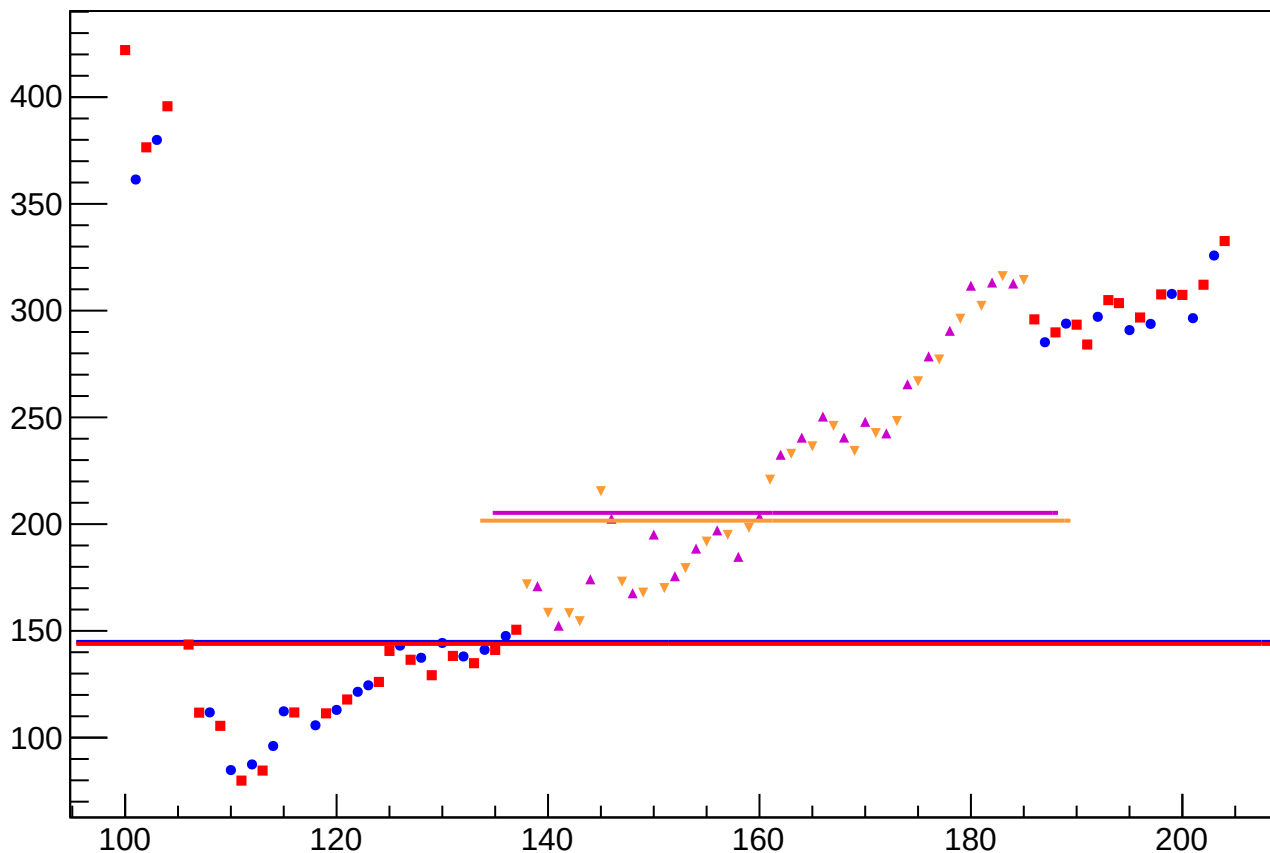
yield_bpm1i04WS_mean vs Slug



Right In: 139954.065 ± 0.047 χ^2/NDF : 94986271233.1/24
 Left Out: 146051.733 ± 0.048 χ^2/NDF : 5403300123.1/24
 Right Out: 140351.766 ± 0.044 χ^2/NDF : 117135282490.6/29
 Left In: 146020.015 ± 0.051 χ^2/NDF : 4591425371.4/22

+ sign 142912.412 ± 0.034 χ^2/NDF : 108593644376
 All: 142842.923 ± 0.024 χ^2/NDF : 237496517
 - sign 142775.577 ± 0.033 χ^2/NDF : 128894473597

yield_bpm1i04WS_rms vs Slug



Right In: 144.835 $\pm$ 0.033 χ^2 /NDF: 4880838.6/24

Left Out: 201.632 $\pm$ 0.034 χ^2 /NDF:1589564.0/24

Right Out: 143.907 $\pm$ 0.031 χ^2 /NDF: 6120496.2/29

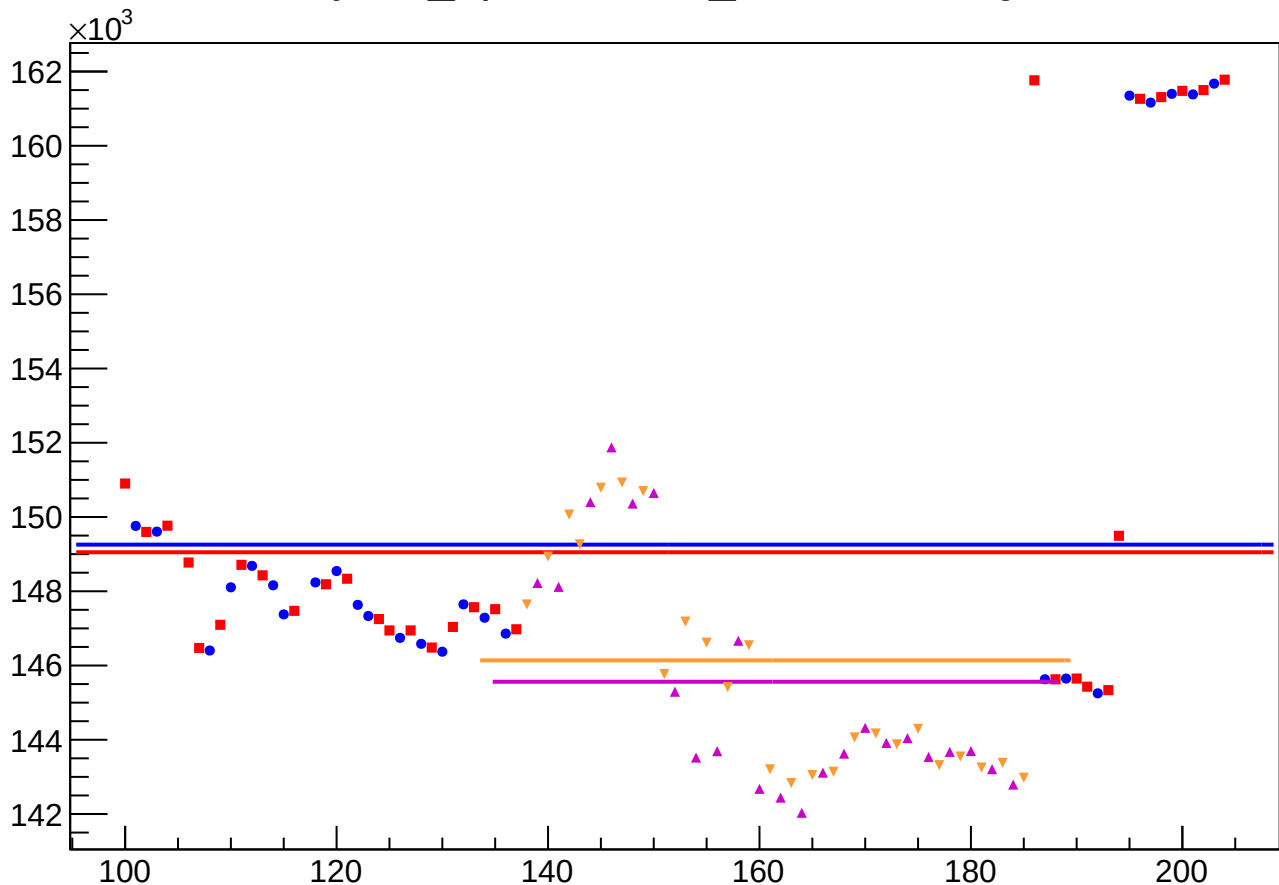
Left In: 205.286 $\pm$ 0.036 χ^2 /NDF:1425292.7/22

+ sign 172.391 $\pm$ 0.024 χ^2 /NDF: 7893946.8/49

All: 171.255 $\pm$ 0.017 χ^2 /NDF: 17125189.3/10

- sign 170.154 $\pm$ 0.023 χ^2 /NDF: 9226752.4/52

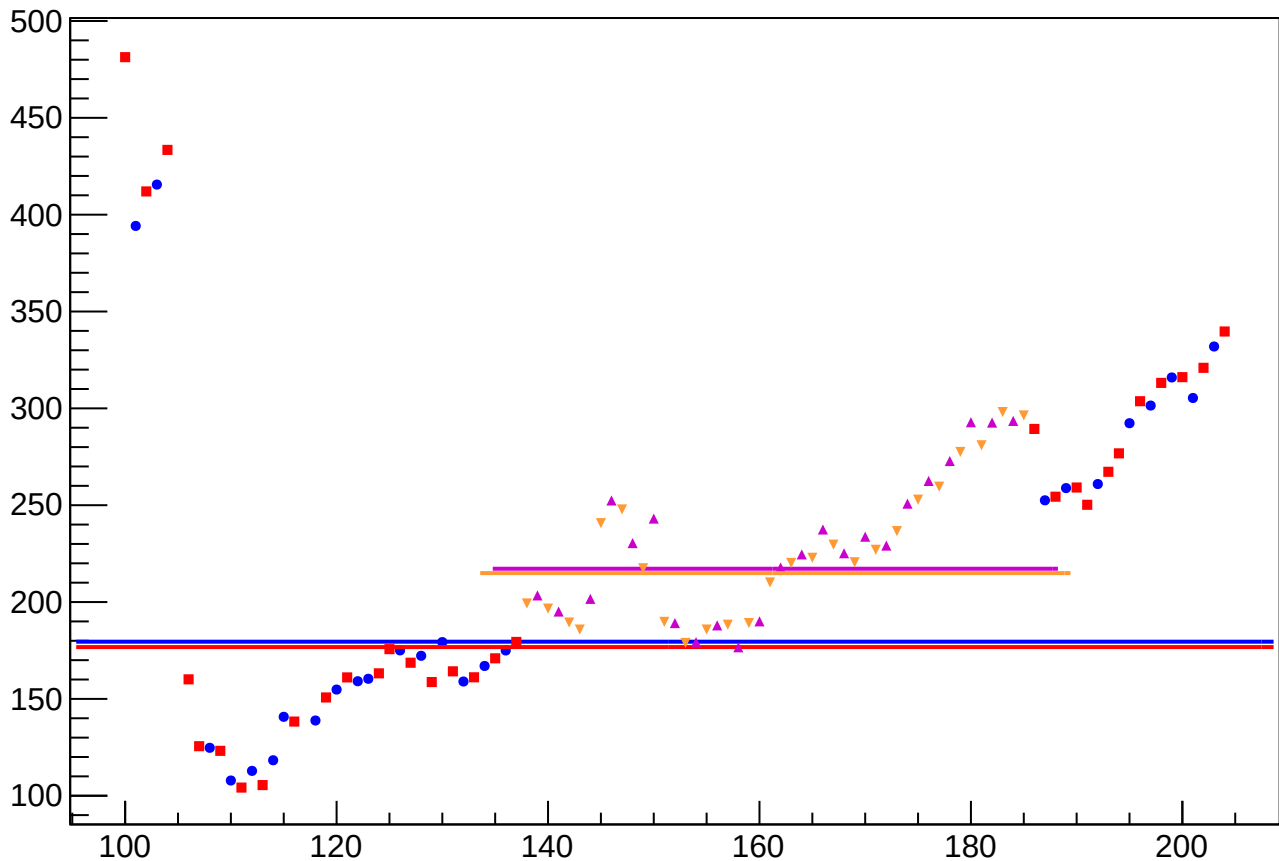
yield_bpm1i06WS_mean vs Slug



Right In: 149255.879 $\pm$ 0.056 χ^2 /NDF: 7355888377.6/24
 Left Out: 146139.326 $\pm$ 0.051 χ^2 /NDF: 2699546907.6/24
 Right Out: 149050.541 $\pm$ 0.051 χ^2 /NDF: 7414794348.0/29
 Left In: 145562.386 $\pm$ 0.053 χ^2 /NDF: 3054641996.0/22

+ sign 147551.579 $\pm$ 0.038 χ^2 /NDF: 11753905188.
 All: 147454.705 $\pm$ 0.026 χ^2 /NDF: 244647064
 - sign 147361.483 $\pm$ 0.037 χ^2 /NDF: 12697806110.7

yield_bpm1i06WS_rms vs Slug



Right In: 179.536 $\pm$ 0.040 χ^2 /NDF: 3356248.1/24

Left Out: 214.945 $\pm$ 0.036 χ^2 /NDF: 728515.5/24

Right Out: 176.754 $\pm$ 0.036 χ^2 /NDF: 4181107.5/29

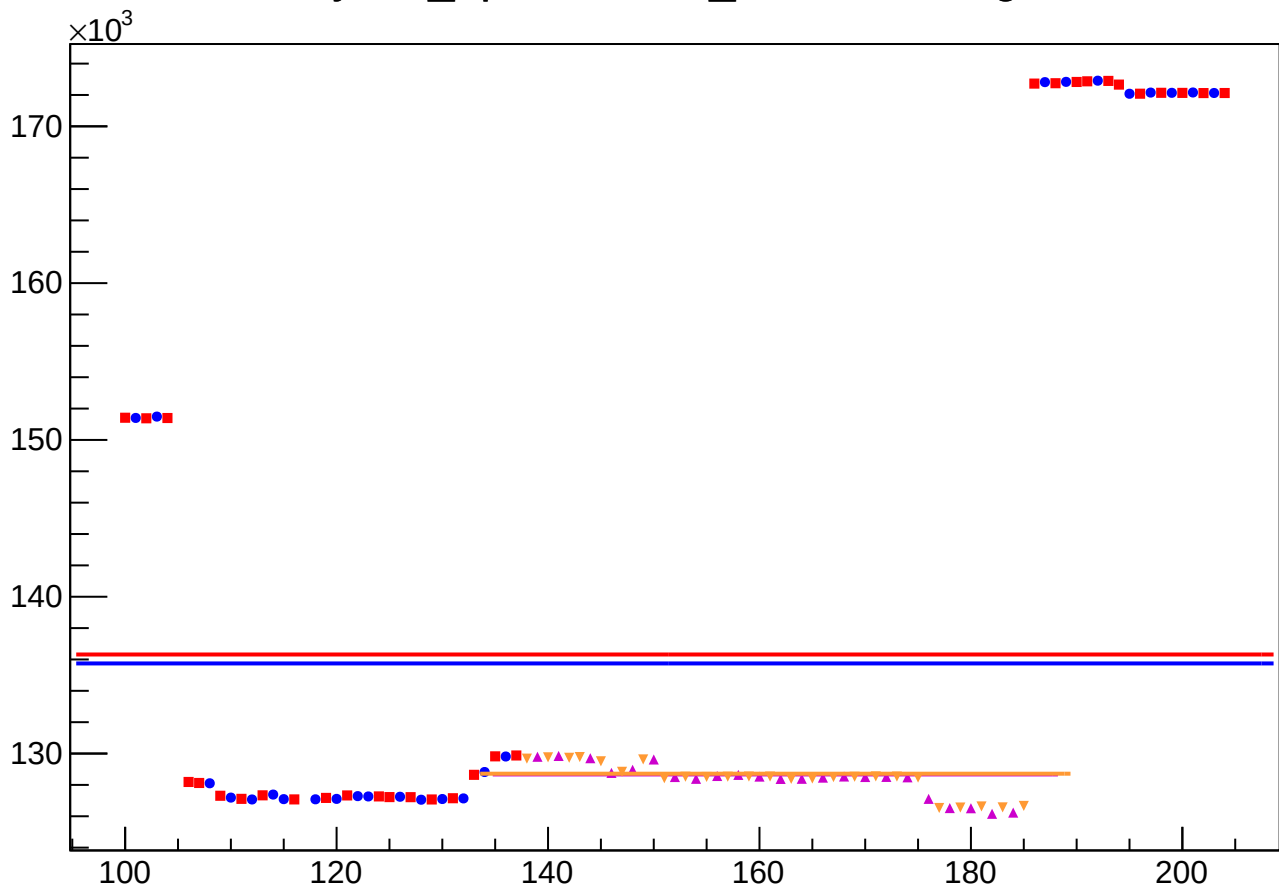
Left In: 217.203 $\pm$ 0.038 χ^2 /NDF: 764798.3/22

+ sign 198.899 $\pm$ 0.027 χ^2 /NDF: 4523268.6/49

All: 197.596 $\pm$ 0.019 χ^2 /NDF: 10073176.0/10

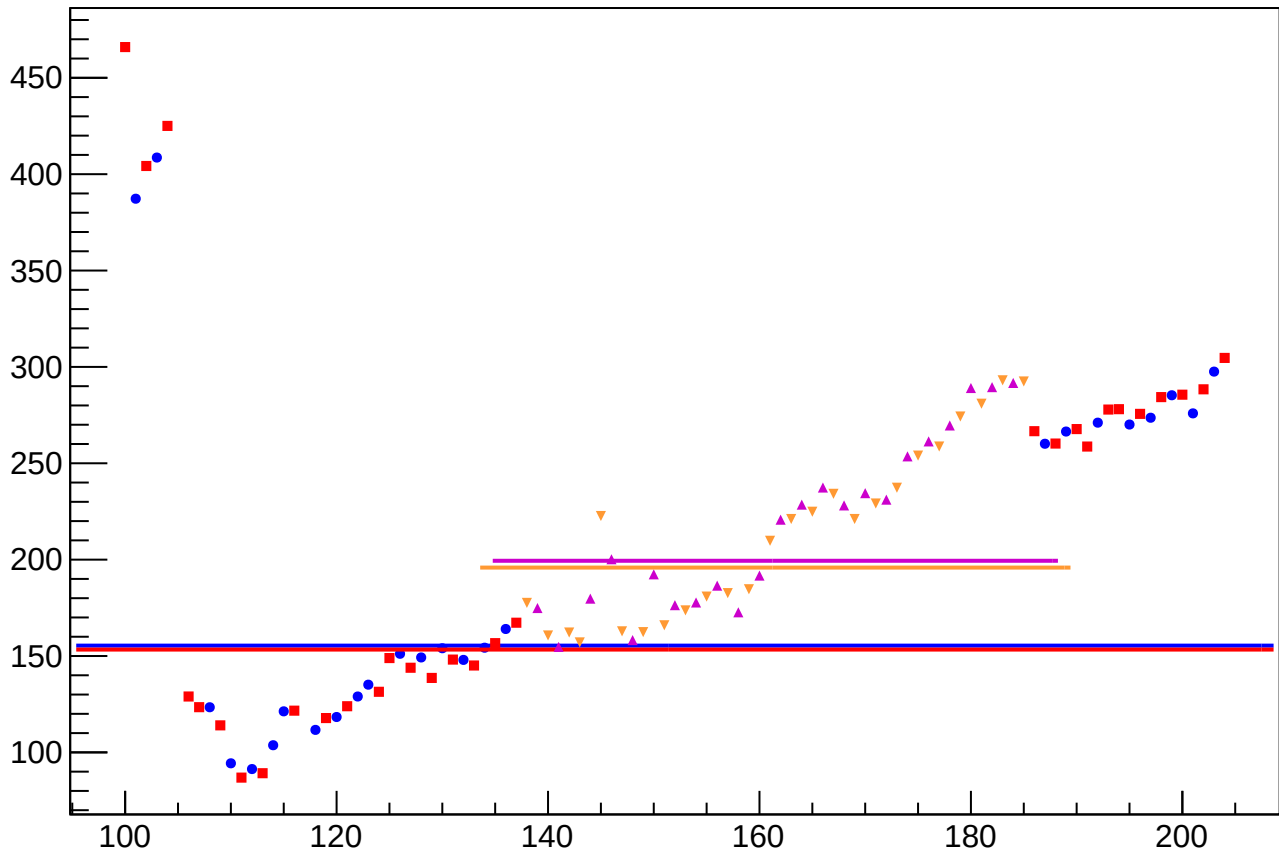
- sign 196.341 $\pm$ 0.026 χ^2 /NDF: 5545199.4/52

yield_bpm2i01WS_mean vs Slug



Right In: 135746.477±/0.049 χ^2/NDF : 121042872692.4/24
 Left Out: 128714.507±/0.047 χ^2/NDF : 348178101.1/24
 Right Out: 136316.855±/0.045 χ^2/NDF : 150830292774.5/29
 Left In: 128667.013±/0.049 χ^2/NDF : 333059477.6/22

yield_bpm2i01WS_rms vs Slug



Right In: 155.388 ± 0.035 χ^2/NDF : 4057414.5/24

Left Out: 195.883 ± 0.033 χ^2/NDF : 1313361.5/24

Right Out: 153.339 ± 0.032 χ^2/NDF : 5037368.8/29

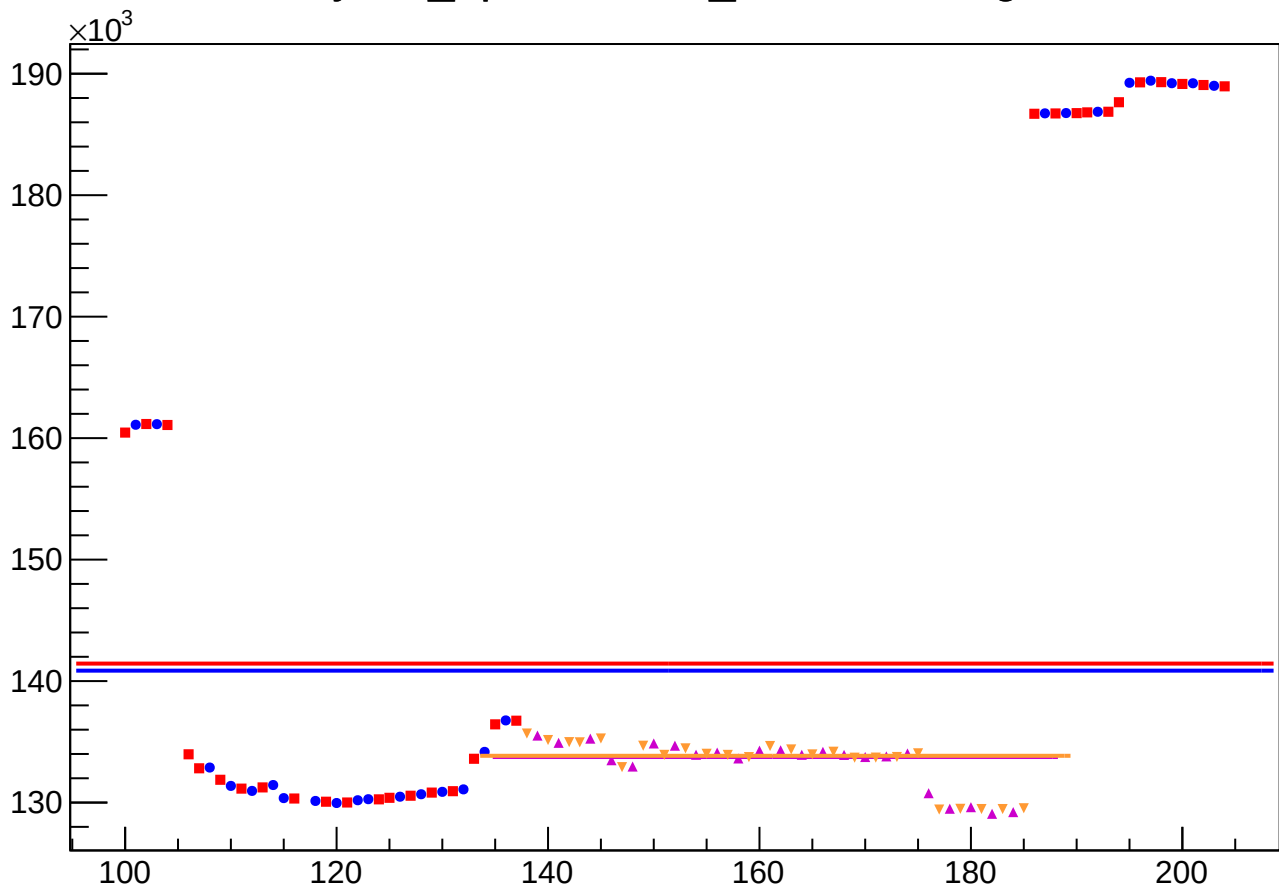
Left In: 199.413 ± 0.035 χ^2/NDF : 1165698.7/22

+ sign 176.715 ± 0.024 χ^2/NDF : 6082656.7/49

All: 175.651 ± 0.017 χ^2/NDF : 13241283.9/10

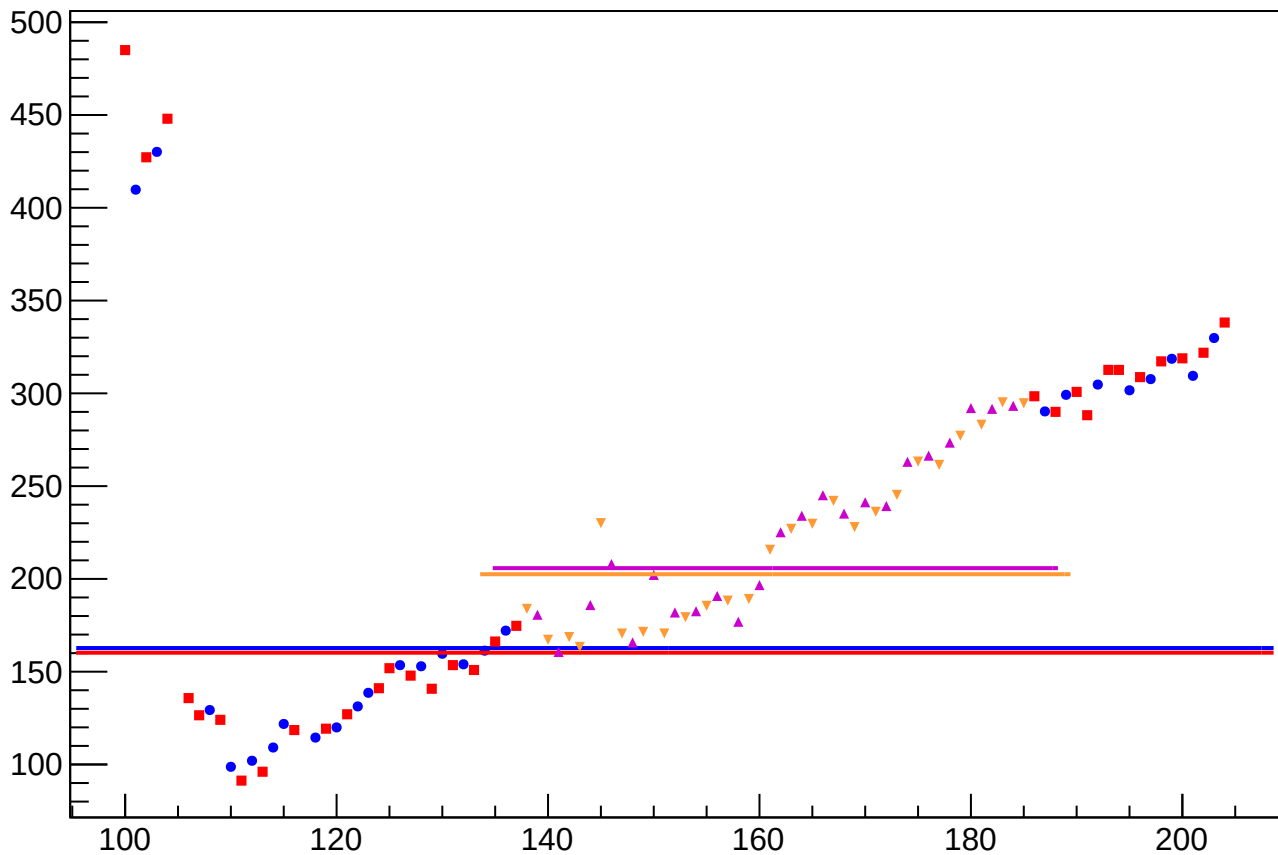
- sign 174.624 ± 0.024 χ^2/NDF : 7154755.9/52

yield_bpm2i02WS_mean vs Slug



Right In: 140859.261 $\pm$ 0.052 χ^2 /NDF: 161207471158.7/24
 Left Out: 133850.586 $\pm$ 0.048 χ^2 /NDF: 1080107831.1/24
 Right Out: 141440.979 $\pm$ 0.048 χ^2 /NDF: 196759570430.0/29
 Left In: 133749.630 $\pm$ 0.051 χ^2 /NDF: 954069486.7/22

yield_bpm2i02WS_rms vs Slug



Right In: 162.750 $\pm$ 0.037 χ^2 /NDF: 4385987.3/24

Left Out: 202.527 $\pm$ 0.034 χ^2 /NDF:1211991.5/24

Right Out: 160.238 $\pm$ 0.034 χ^2 /NDF: 5494480.0/29

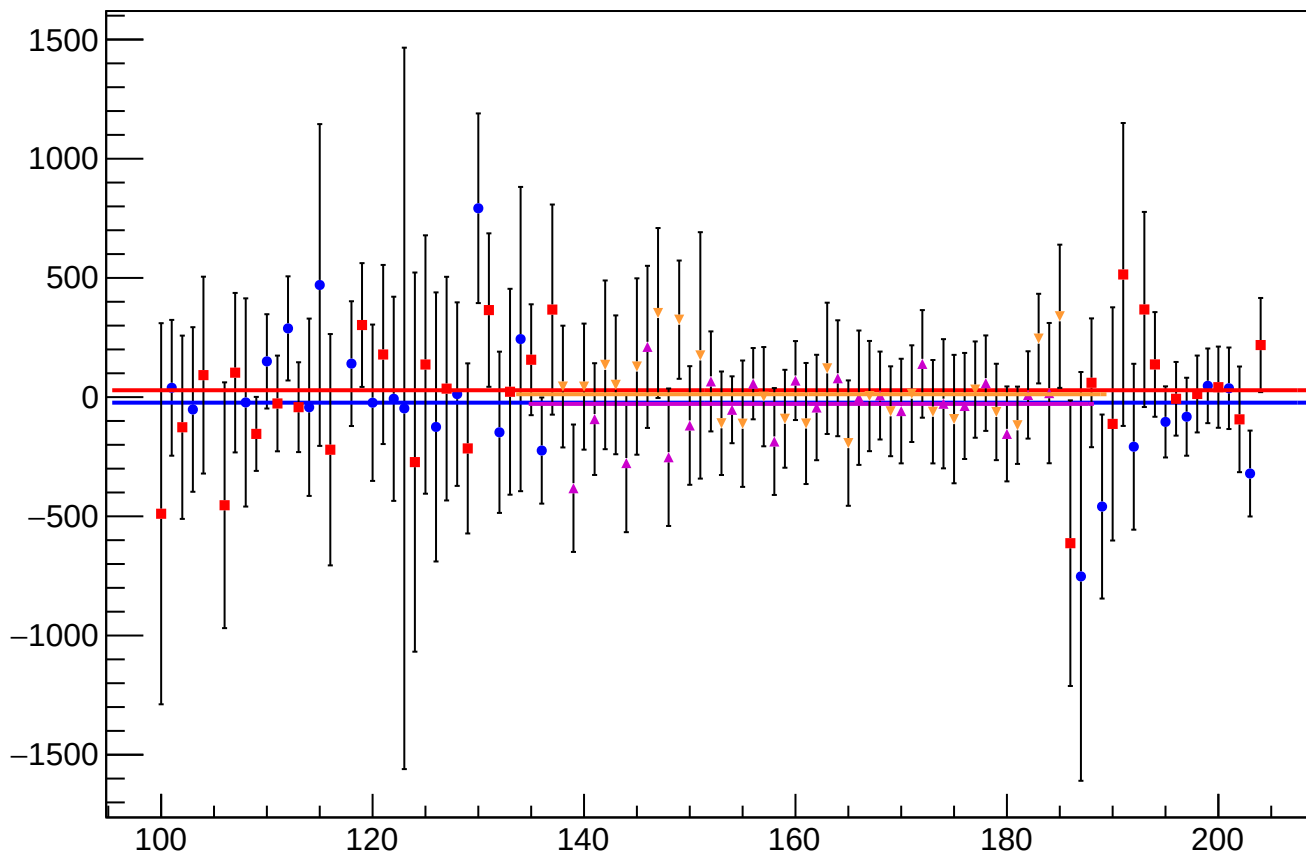
Left In: 205.808 $\pm$ 0.036 χ^2 /NDF:1094330.7/22

+ sign 184.146 $\pm$ 0.025 χ^2 /NDF: 6226852.5/49

All: 182.966 $\pm$ 0.018 χ^2 /NDF: 13676643.5/10

- sign 181.825 $\pm$ 0.025 χ^2 /NDF: 7445410.0/52

asym_bcm_an_ds_mean vs Slug



Right In: -23.234 ± 52.429 χ^2/NDF : 14.9/24

Left Out: 12.180 ± 47.531 χ^2/NDF : 8.6/24

Right Out: 28.858 ± 49.129 χ^2/NDF : 11.4/29

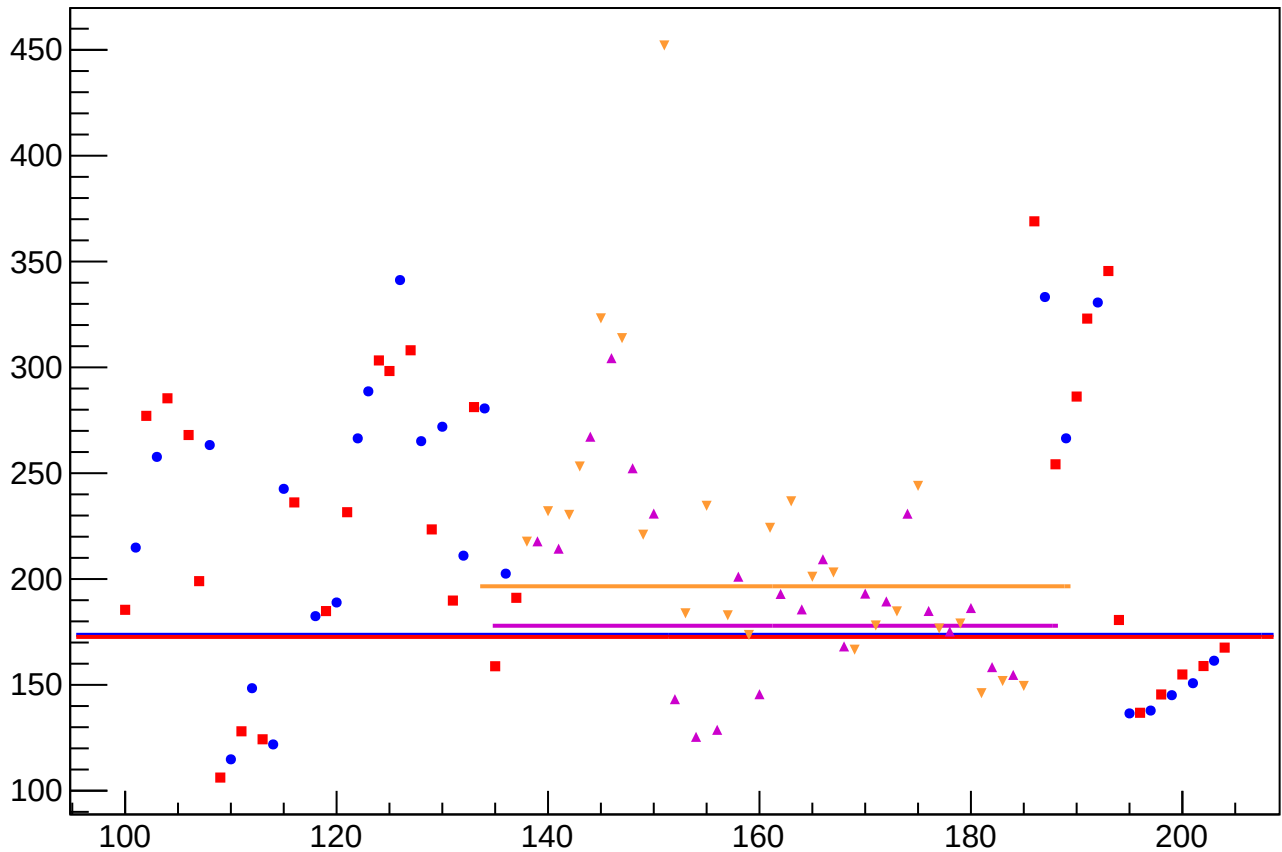
Left In: -28.452 ± 44.688 χ^2/NDF : 6.7/22

+ sign -3.796 ± 35.214 χ^2/NDF : 23.7/49

All: -3.109 ± 24.102 χ^2/NDF : 42.5/102

- sign -2.503 ± 33.058 χ^2/NDF : 18.8/52

asym_bcm_an_ds_rms vs Slug



Right In: 173.652 $\pm$ 0.037 χ^2 /NDF: 2069339.4/24

Left Out: 196.576 $\pm$ 0.034 χ^2 /NDF:1778719.0/24

Right Out: 172.657 $\pm$ 0.035 χ^2 /NDF: 2746295.2/29

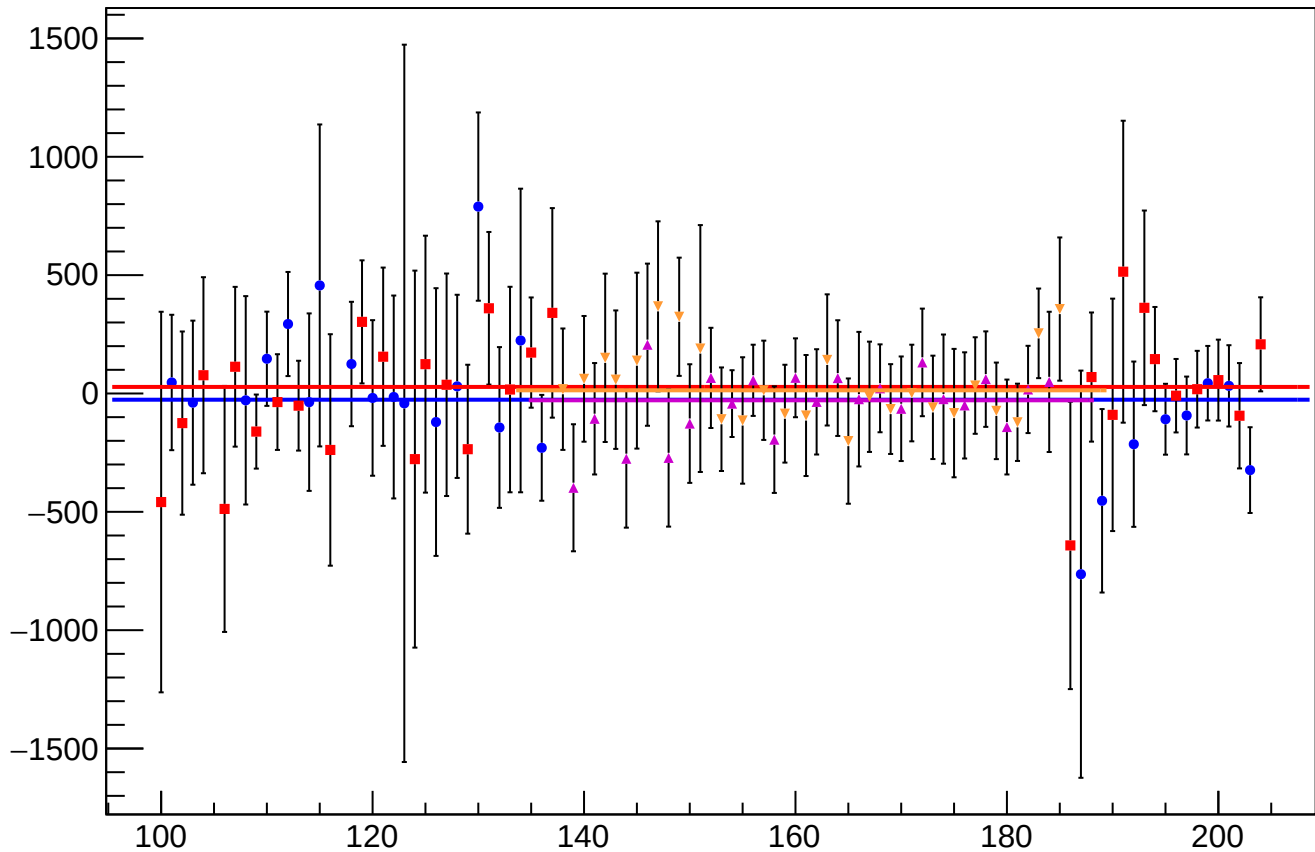
Left In: 177.933 $\pm$ 0.032 χ^2 /NDF:1605780.8/22

+ sign 186.234 $\pm$ 0.025 χ^2 /NDF: 4057938.4/49

All: 180.552 $\pm$ 0.017 χ^2 /NDF: 8520608.7/102

- sign 175.544 $\pm$ 0.023 χ^2 /NDF: 4364695.7/52

asym_bcm_an_ds3_mean vs Slug



Right In: -26.299 ± 52.688 χ^2/NDF : 14.8/24

Left Out: 13.395 ± 47.862 χ^2/NDF : 9.0/24

Right Out: 27.718 ± 49.381 χ^2/NDF : 11.5/29

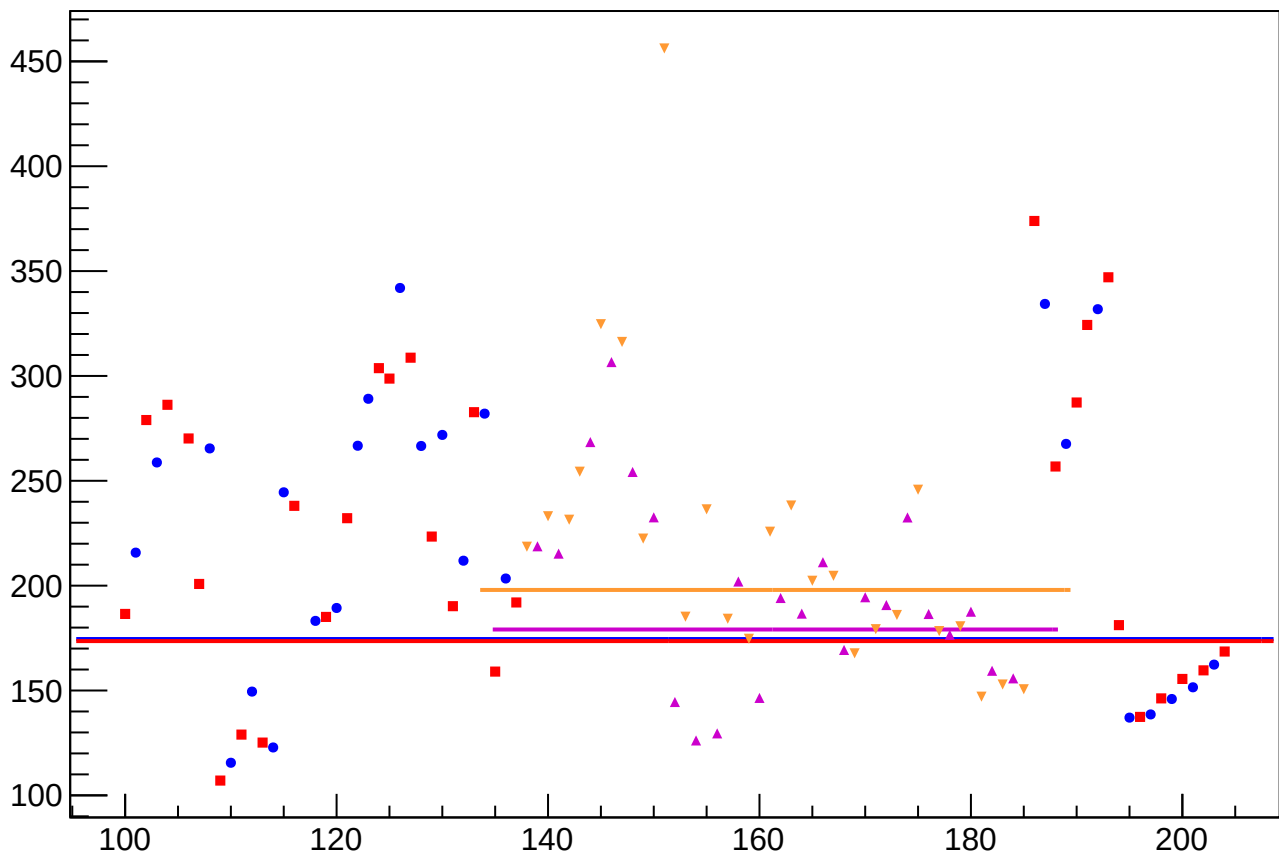
Left In: -28.806 ± 44.980 χ^2/NDF : 6.8/22

+ sign -4.552 ± 35.427 χ^2/NDF : 24.1/49

All: -3.820 ± 24.246 χ^2/NDF : 43.2/102

- sign -3.175 ± 33.253 χ^2/NDF : 19.1/52

asym_bcm_an_ds3_rms vs Slug



Right In: 174.543 $\pm$ 0.037 χ^2 /NDF: 2059817.2/24

Left Out: 197.953 $\pm$ 0.034 χ^2 /NDF:1774524.3/24

Right Out: 173.562 $\pm$ 0.035 χ^2 /NDF: 2740921.1/29

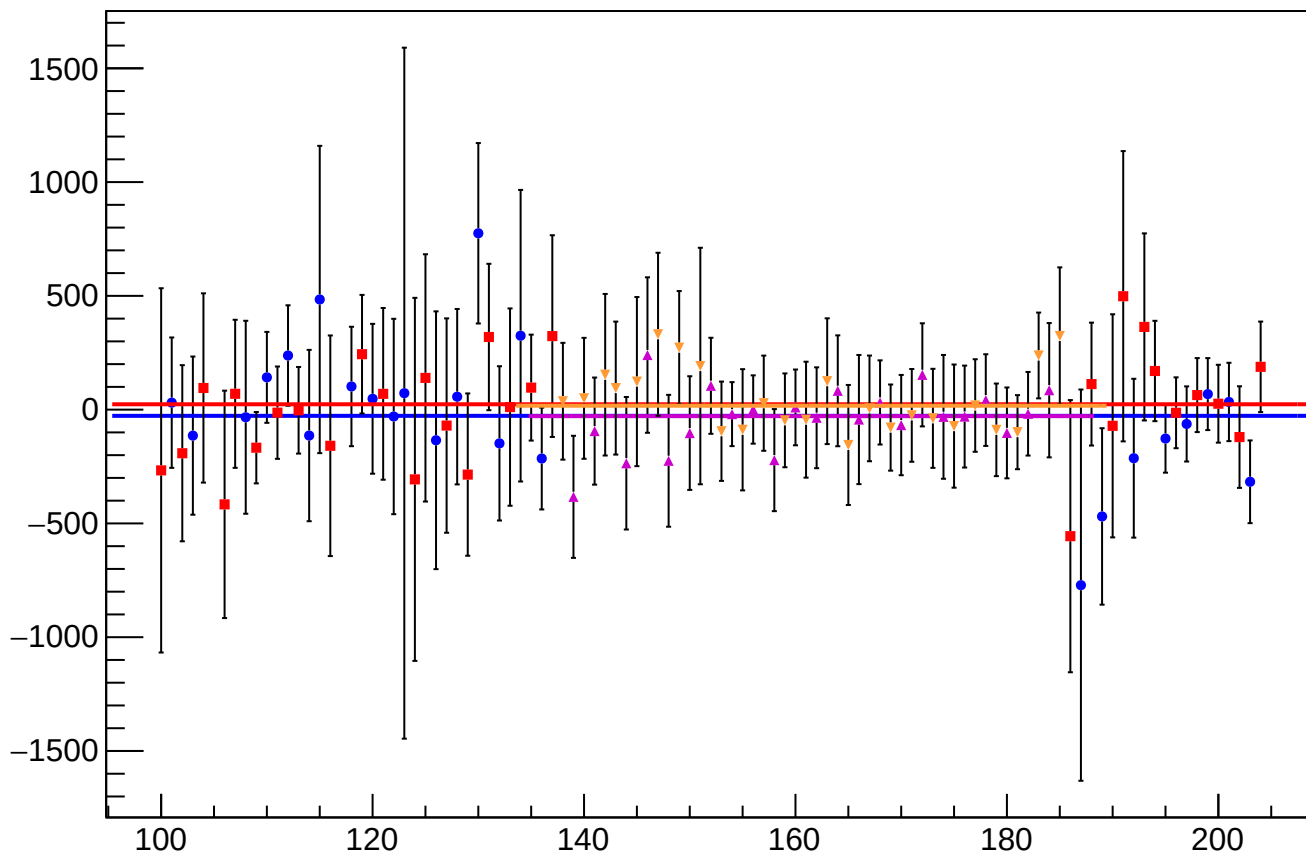
Left In: 179.090 $\pm$ 0.032 χ^2 /NDF:1605113.3/22

+ sign 187.369 $\pm$ 0.025 χ^2 /NDF: 4050656.8/49

All: 181.635 $\pm$ 0.017 χ^2 /NDF: 8508934.9/102

- sign 176.583 $\pm$ 0.024 χ^2 /NDF: 4359730.4/52

asym_bcm_an_us_mean vs Slug



Right In: -27.225 ± 52.767 $\chi^2/\text{NDF}: 14.4/24$

Left Out: 17.142 ± 47.738 $\chi^2/\text{NDF}: 7.1/24$

Right Out: 23.611 ± 49.378 $\chi^2/\text{NDF}: 10.1/29$

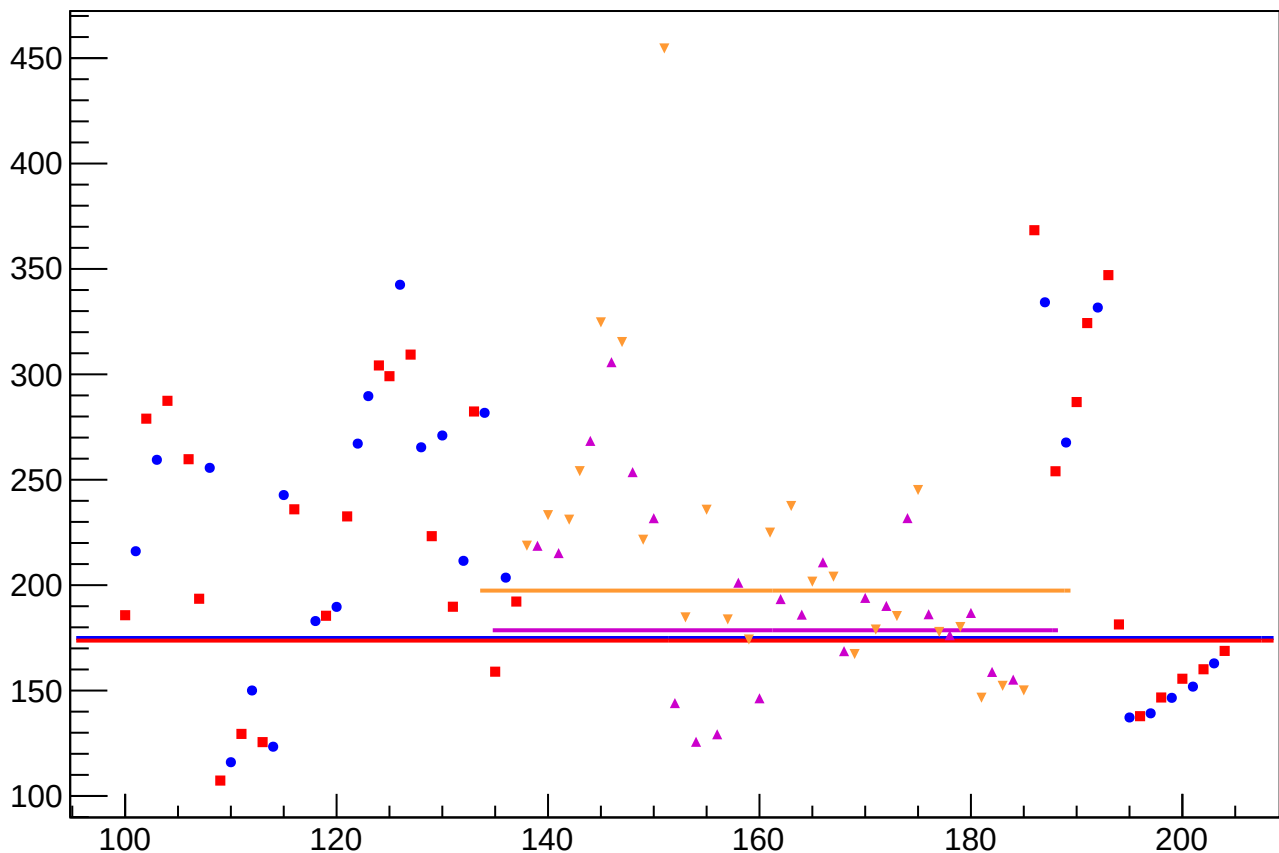
Left In: -28.655 ± 44.859 $\chi^2/\text{NDF}: 6.1/22$

+ sign -2.827 ± 35.400 $\chi^2/\text{NDF}: 21.8/49$

All: -3.995 ± 24.218 $\chi^2/\text{NDF}: 38.6/102$

- sign -5.023 ± 33.203 $\chi^2/\text{NDF}: 16.8/52$

asym_bcm_an_us_rms vs Slug



Right In: 174.928 $\pm$ 0.037 χ^2 /NDF: 2028689.7/24

Left Out: 197.422 $\pm$ 0.034 χ^2 /NDF:1780261.9/24

Right Out: 173.700 $\pm$ 0.035 χ^2 /NDF: 2696718.5/29

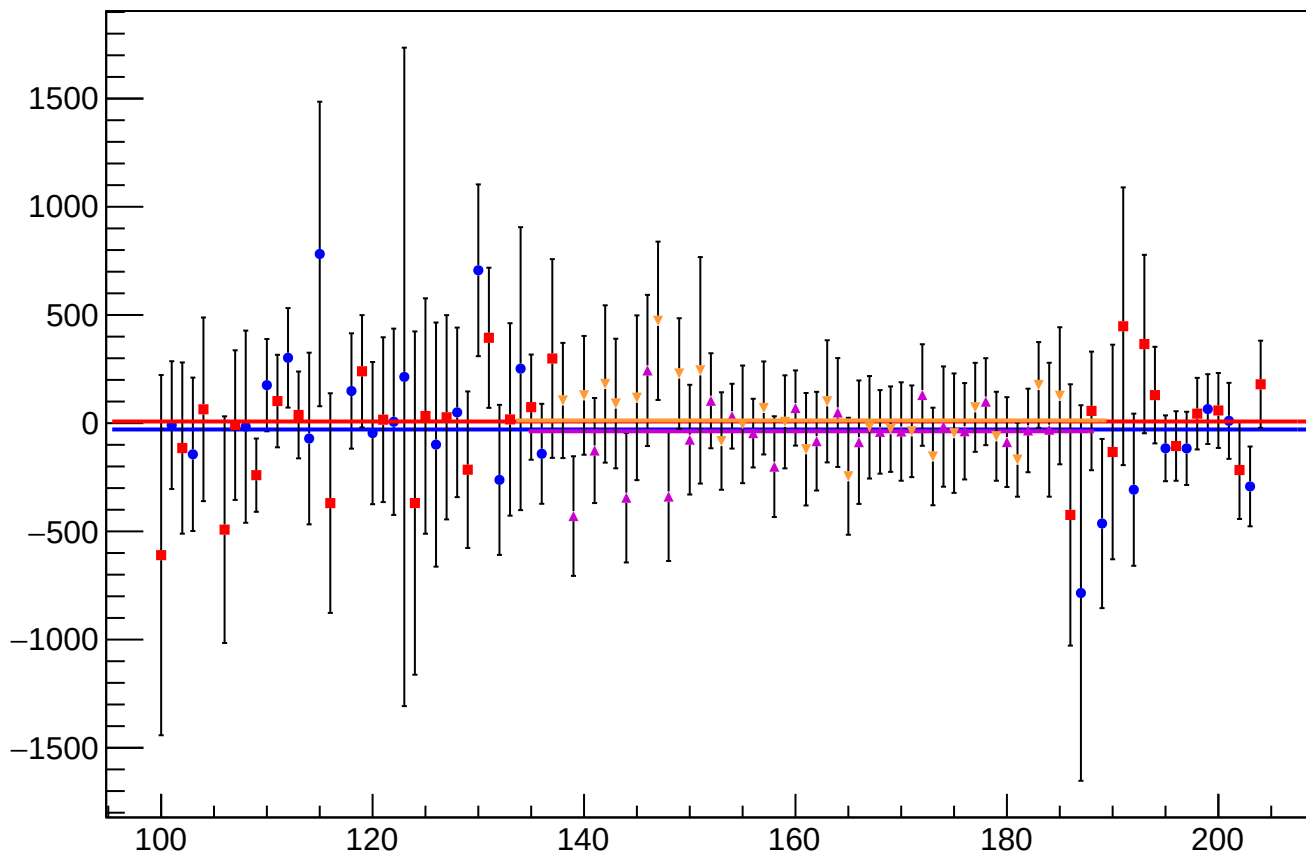
Left In: 178.601 $\pm$ 0.032 χ^2 /NDF:1608998.1/22

+ sign 187.298 $\pm$ 0.025 χ^2 /NDF: 4008802.0/49

All: 181.492 $\pm$ 0.017 χ^2 /NDF: 8426416.5/102

- sign 176.385 $\pm$ 0.023 χ^2 /NDF: 4316510.1/52

asym_bcm_dg_us_mean vs Slug



Right In: -29.104 ± 54.011 χ^2/NDF : 14.9/24

Left Out: 12.632 ± 49.242 χ^2/NDF : 7.5/24

Right Out: 7.777 ± 50.813 χ^2/NDF : 12.3/29

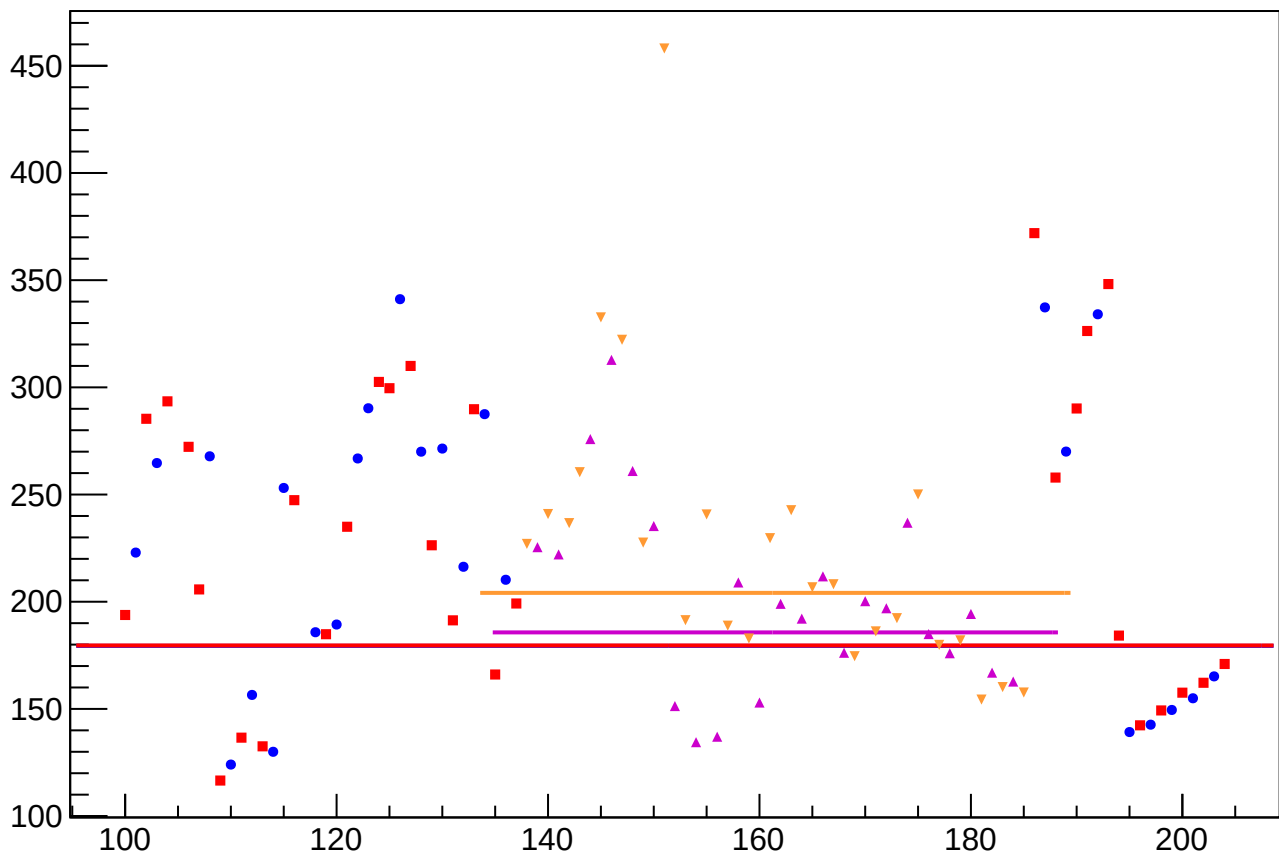
Left In: -37.460 ± 46.479 χ^2/NDF : 7.6/22

+ sign -6.312 ± 36.389 χ^2/NDF : 22.8/49

All: -11.894 ± 24.958 χ^2/NDF : 43.2/102

- sign -16.853 ± 34.295 χ^2/NDF : 20.4/52

asym_bcm_dg_us_rms vs Slug



Right In: 179.422 ± 0.038 $\chi^2/\text{NDF}: 1948673.0/24$

Left Out: 204.132 ± 0.035 $\chi^2/\text{NDF}: 1672287.6/24$

Right Out: 179.597 ± 0.036 $\chi^2/\text{NDF}: 2502906.9/29$

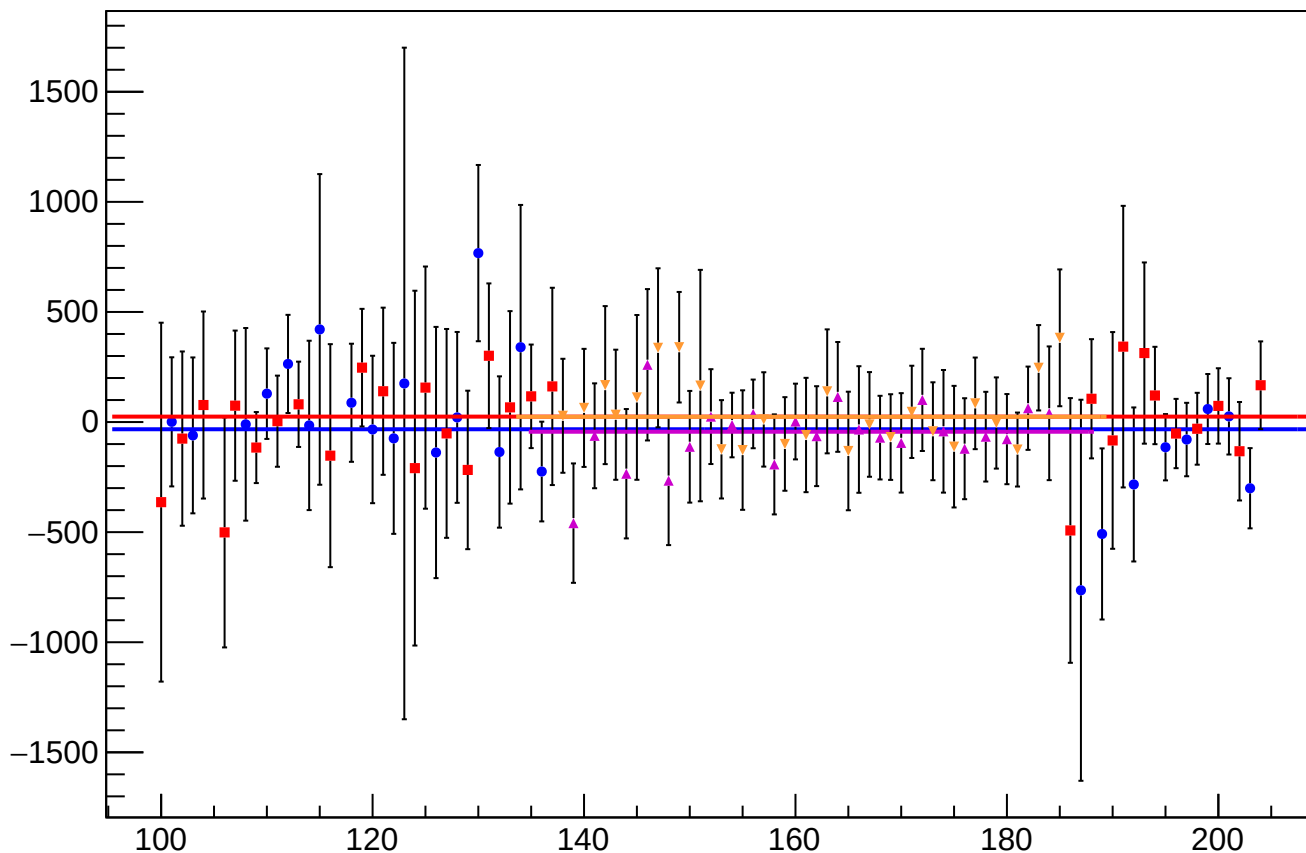
Left In: 185.694 ± 0.033 $\chi^2/\text{NDF}: 1447767.0/22$

+ sign 192.916 ± 0.026 $\chi^2/\text{NDF}: 3849557.3/49$

All: 187.620 ± 0.018 $\chi^2/\text{NDF}: 7895880.9/102$

- sign 182.917 ± 0.024 $\chi^2/\text{NDF}: 3966347.6/52$

asym_bcm_dg_ds_mean vs Slug



Right In: -32.722 ± 53.336 χ^2/NDF : 14.0/24

Left Out: 23.843 ± 48.783 χ^2/NDF : 8.5/24

Right Out: 24.689 ± 49.988 χ^2/NDF : 7.9/29

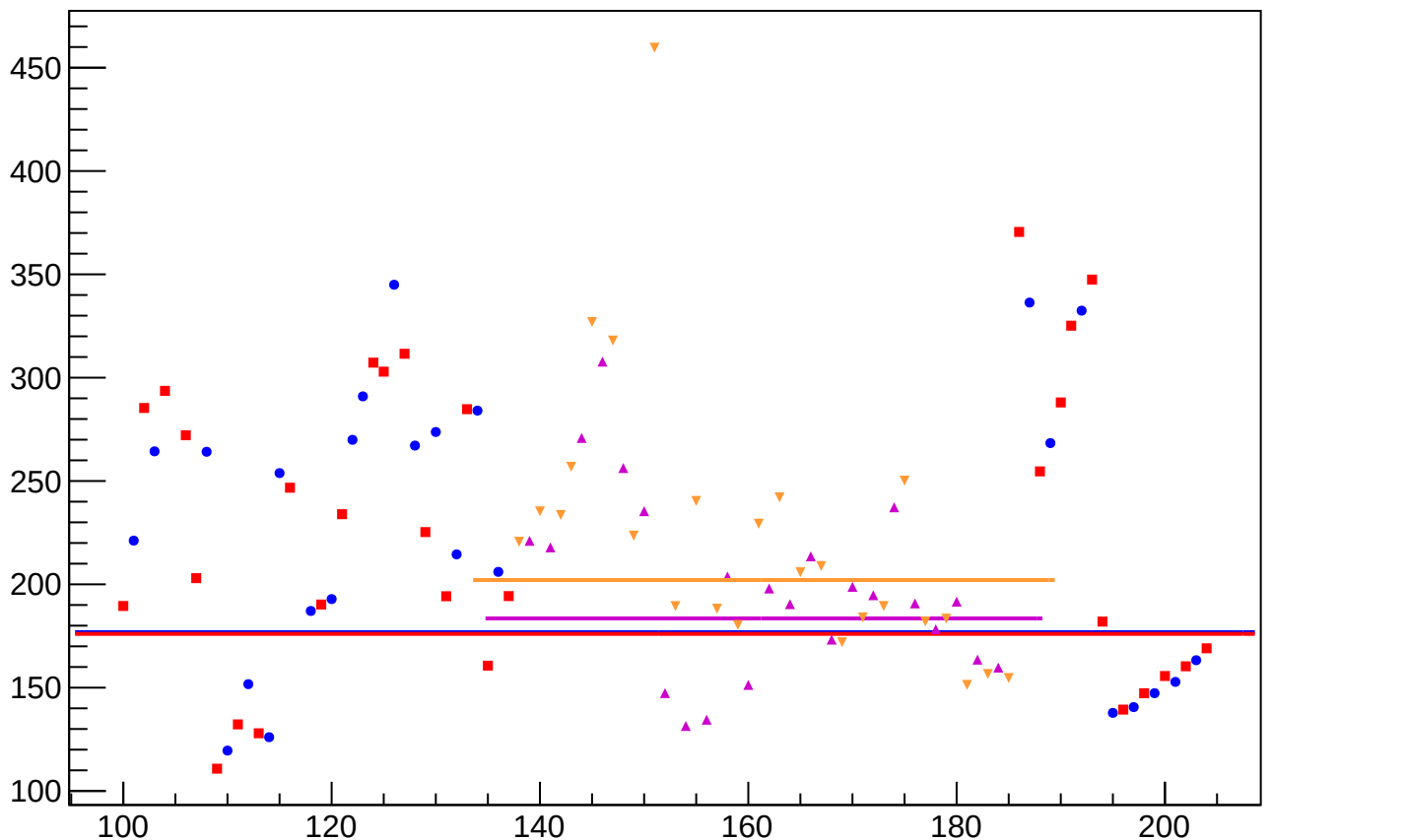
Left In: -43.978 ± 45.981 χ^2/NDF : 6.5/22

+ sign -1.922 ± 35.997 χ^2/NDF : 23.0/49

All: -7.541 ± 24.656 χ^2/NDF : 38.6/102

- sign -12.507 ± 33.841 χ^2/NDF : 15.5/52

asym_bcm_dg_ds_rms vs Slug



Right In: 176.847 $\pm$ 0.038 χ^2 /NDF: 2031581.8/24

Left Out: 202.081 $\pm$ 0.034 χ^2 /NDF:1692787.9/24

Right Out: 176.034 $\pm$ 0.035 χ^2 /NDF: 2669841.6/29

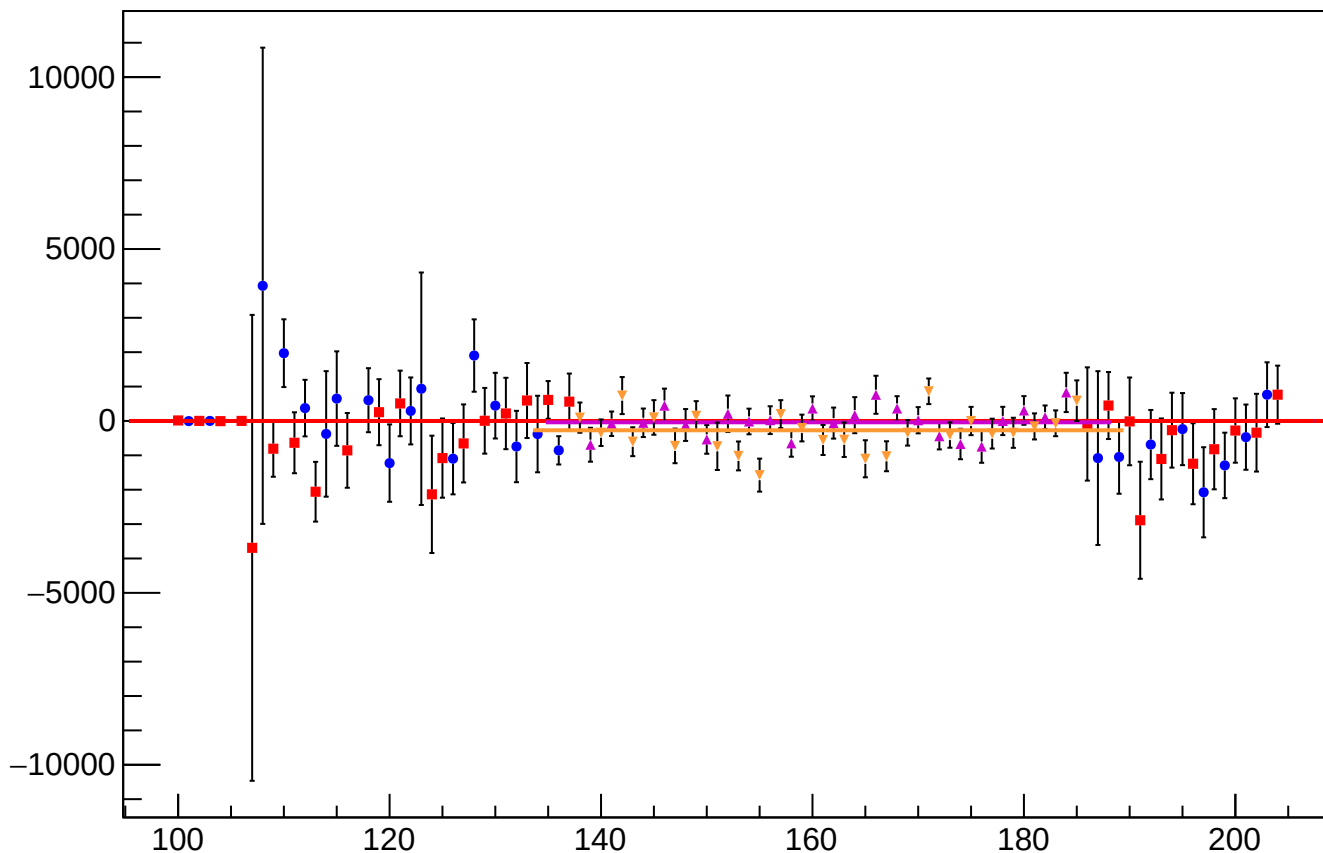
Left In: 183.498 $\pm$ 0.033 χ^2 /NDF:1483383.4/22

+ sign 190.587 $\pm$ 0.025 χ^2 /NDF: 3968116.9/49

All: 185.008 $\pm$ 0.017 χ^2 /NDF: 8235988.1/102

- sign 180.077 $\pm$ 0.024 χ^2 /NDF: 4177378.3/52

asym_cav4bQ_mean vs Slug



Right In: -1.551 ± 2.251 χ^2/NDF : 24.3/24

Left Out: -270.969 ± 86.967 χ^2/NDF : 38.1/24

Right Out: -0.737 ± 2.111 χ^2/NDF : 25.8/29

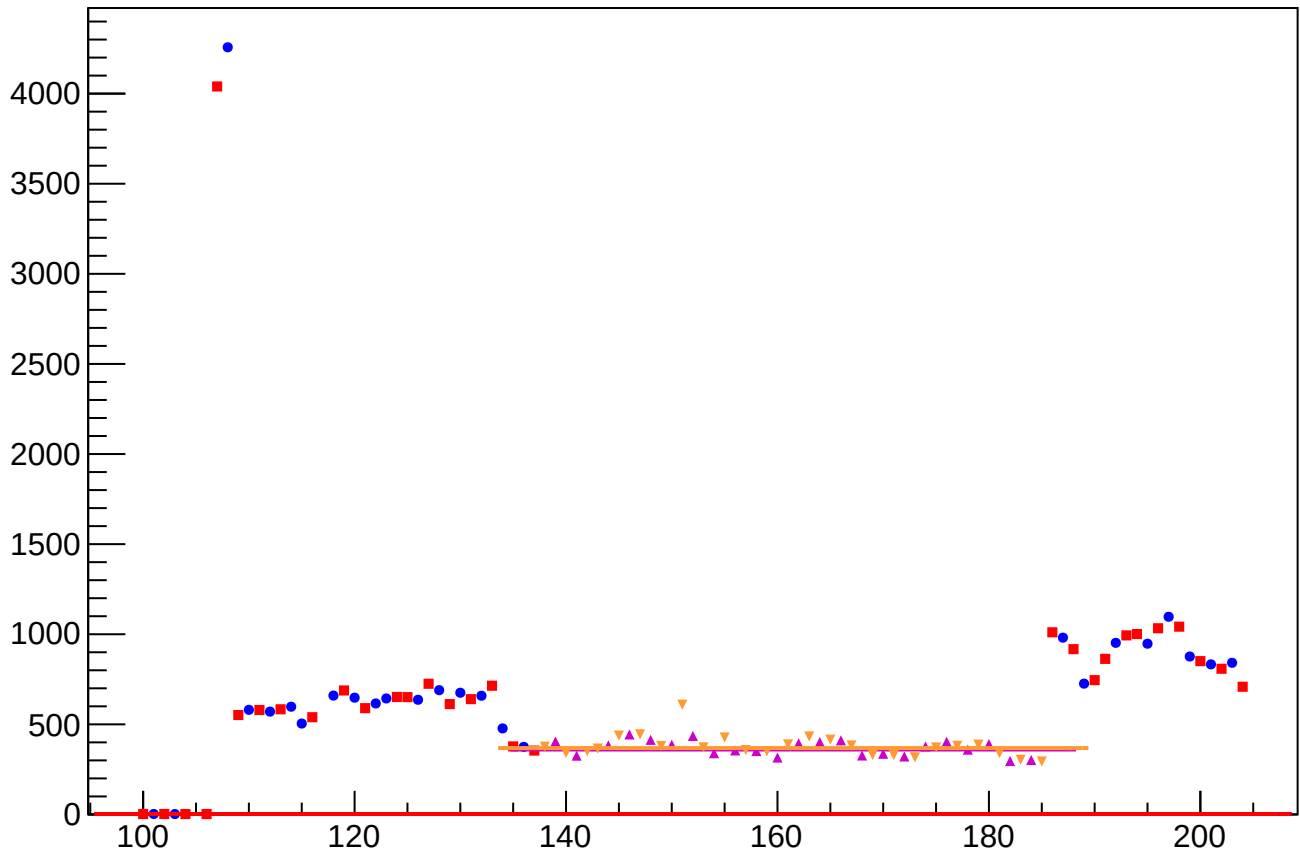
Left In: -39.078 ± 87.769 χ^2/NDF : 20.3/22

+ sign -1.732 ± 2.251 χ^2/NDF : 72.0/49

All: -1.214 ± 1.540 χ^2/NDF : 118.3/102

- sign -0.760 ± 2.110 χ^2/NDF : 46.2/52

asym_cav4bQ_rms vs Slug



Right In: 2.487 $\pm$ 0.002 χ^2 /NDF: 21628516.7/24

Left Out: 368.397 $\pm$ 0.061 χ^2 /NDF:622466.1/24

Right Out: 2.471 $\pm$ 0.001 χ^2 /NDF: 25080469.7/29

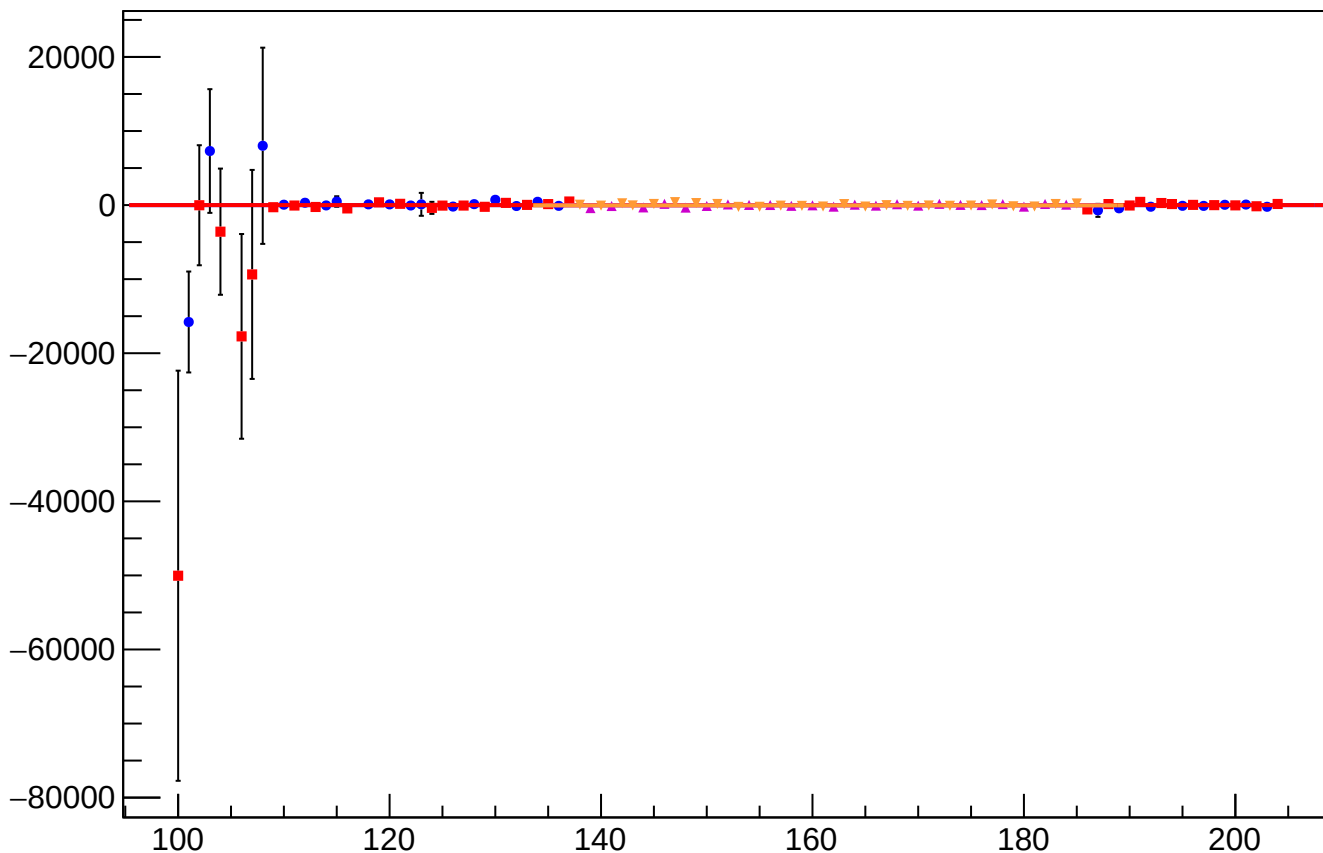
Left In: 360.408 $\pm$ 0.062 χ^2 /NDF:417739.4/22

+ sign 2.732 $\pm$ 0.002 χ^2 /NDF: 57632407.9/49

All: 2.703 $\pm$ 0.001 χ^2 /NDF: 116374636.7/102

- sign 2.678 $\pm$ 0.001 χ^2 /NDF: 58741613.1/52

asym_cav4cQ_mean vs Slug



Right In: -8.692 ± 58.819 χ^2/NDF : 17.7/24

Left Out: -38.013 ± 49.628 χ^2/NDF : 9.3/24

Right Out: -1.175 ± 55.998 χ^2/NDF : 17.6/29

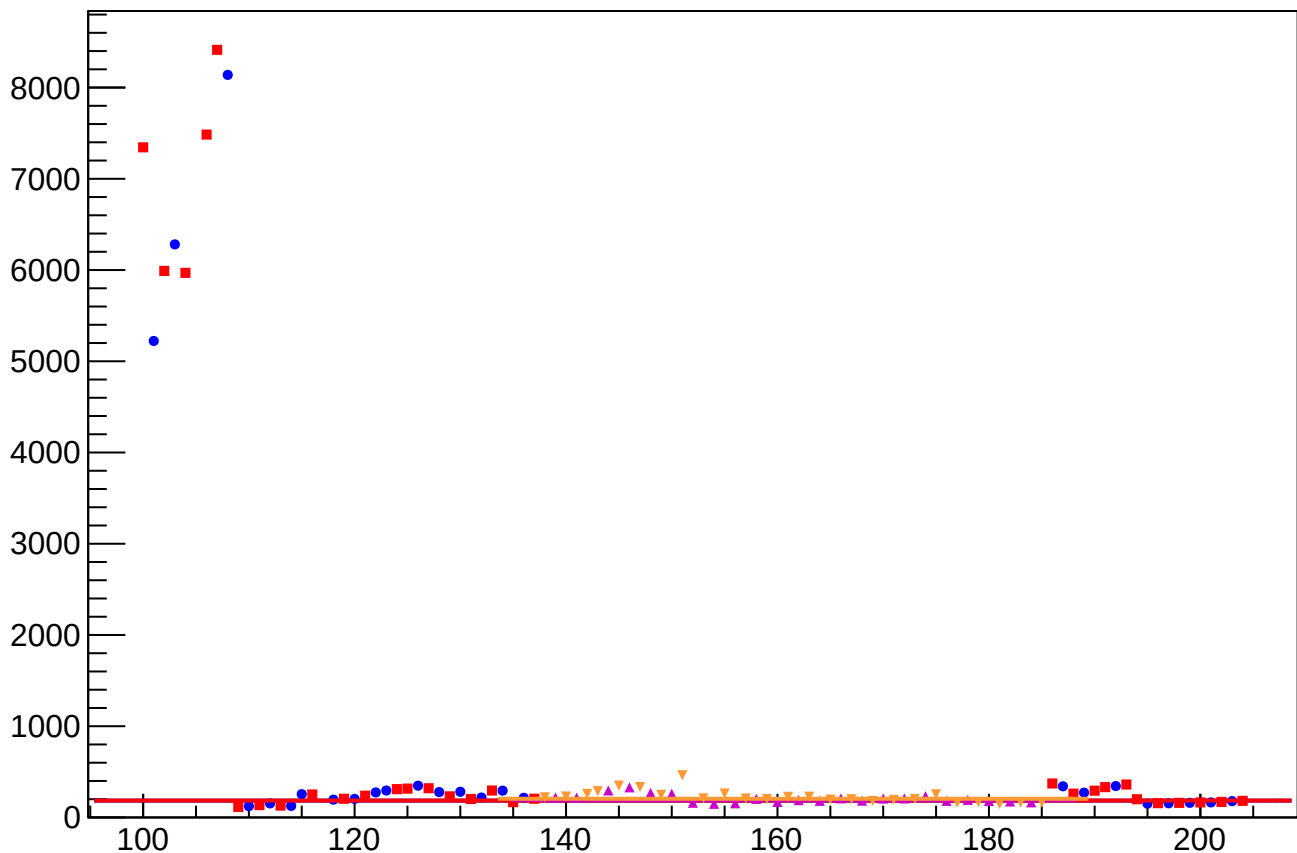
Left In: -28.205 ± 48.167 χ^2/NDF : 9.2/22

+ sign -25.820 ± 37.930 χ^2/NDF : 27.1/49

All: -21.092 ± 26.307 χ^2/NDF : 54.1/102

- sign -16.711 ± 36.517 χ^2/NDF : 27.0/52

asym_cav4cQ_rms vs Slug



Right In: 184.246+/-0.042 χ^2/NDF : 4482517.4/24

Left Out: 205.027+/-0.035 χ^2/NDF :1956045.1/24

Right Out: 185.319+/-0.040 χ^2/NDF : 5330699.7/29

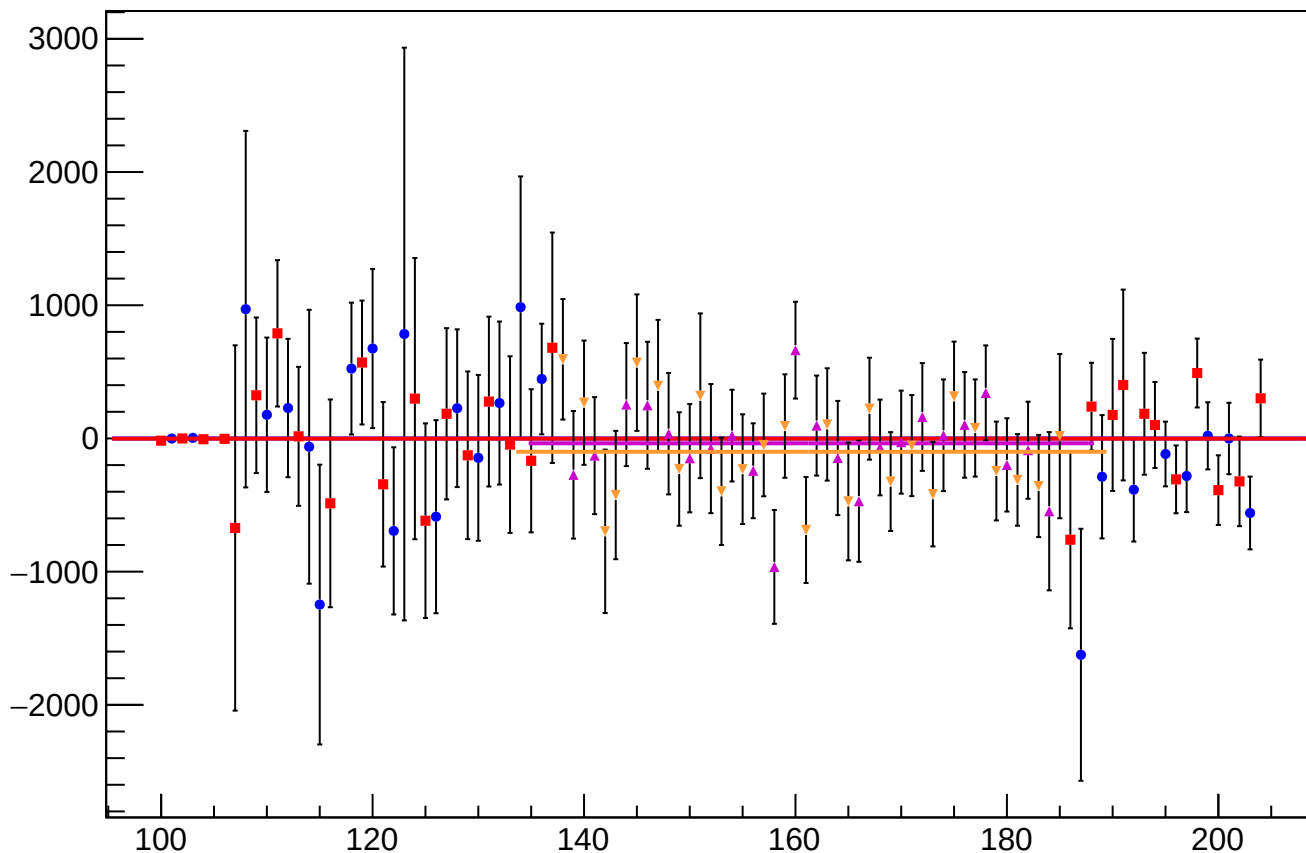
Left In: 193.405+/-0.034 χ^2/NDF :1172169.3/22

+ sign 196.385+/-0.027 χ^2/NDF : 6584384.8/49

All: 193.054+/-0.019 χ^2/NDF : 13140947.2/10

- sign 189.966+/-0.026 χ^2/NDF : 6526836.2/52

asym_cav4dQ_mean vs Slug



Right In: -0.196 ± 1.736 χ^2/NDF : 19.9/24

Left Out: -100.058 ± 84.190 χ^2/NDF : 15.7/24

Right Out: -1.319 ± 1.622 χ^2/NDF : 21.2/29

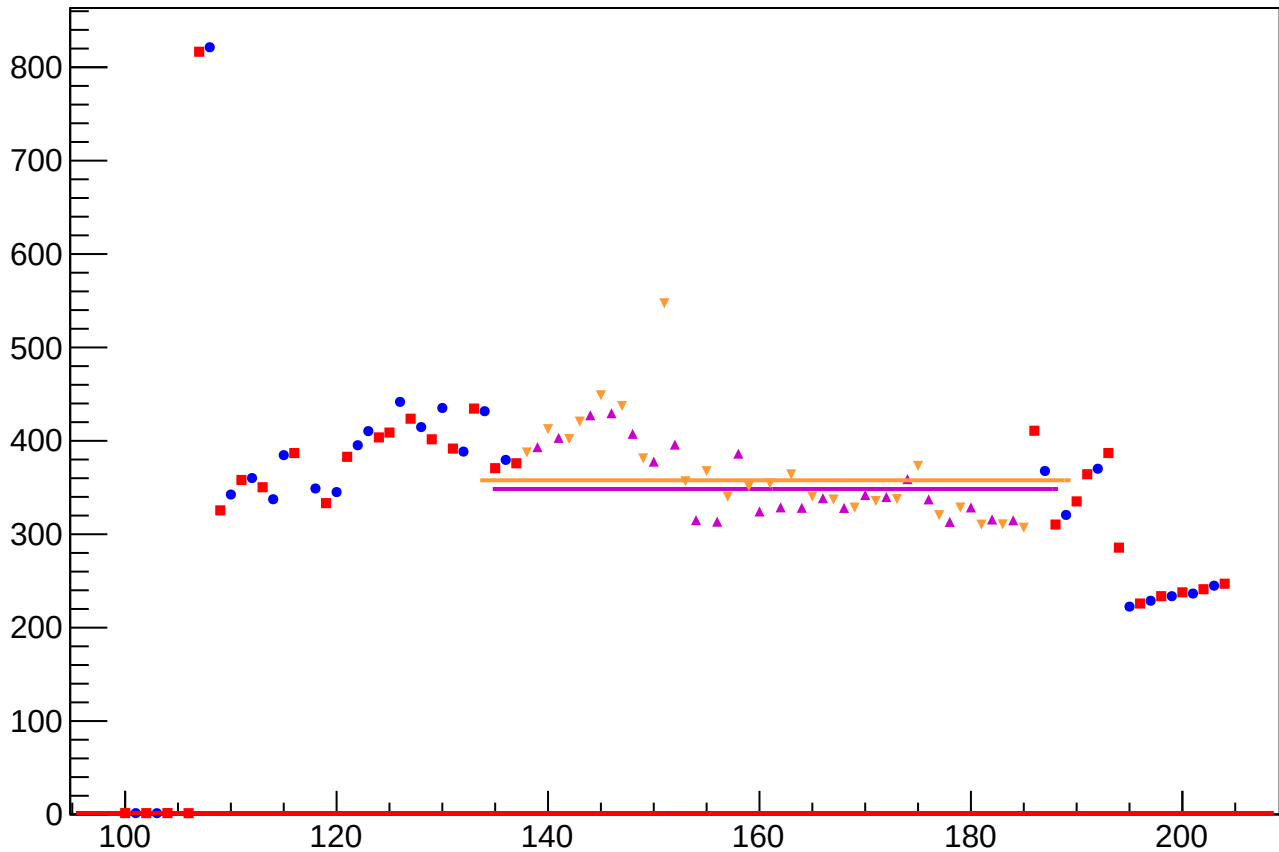
Left In: -36.497 ± 84.675 χ^2/NDF : 13.5/22

+ sign -0.239 ± 1.736 χ^2/NDF : 37.0/49

All: -0.822 ± 1.185 χ^2/NDF : 72.0/102

- sign -1.332 ± 1.622 χ^2/NDF : 34.9/52

asym_cav4dQ_rms vs Slug



Right In: 1.517 ± 0.001 $\chi^2/\text{NDF}: 21846427.2/24$

Left Out: 357.771 ± 0.060 $\chi^2/\text{NDF}: 547124.8/24$

Right Out: 1.518 ± 0.001 $\chi^2/\text{NDF}: 24767550.0/29$

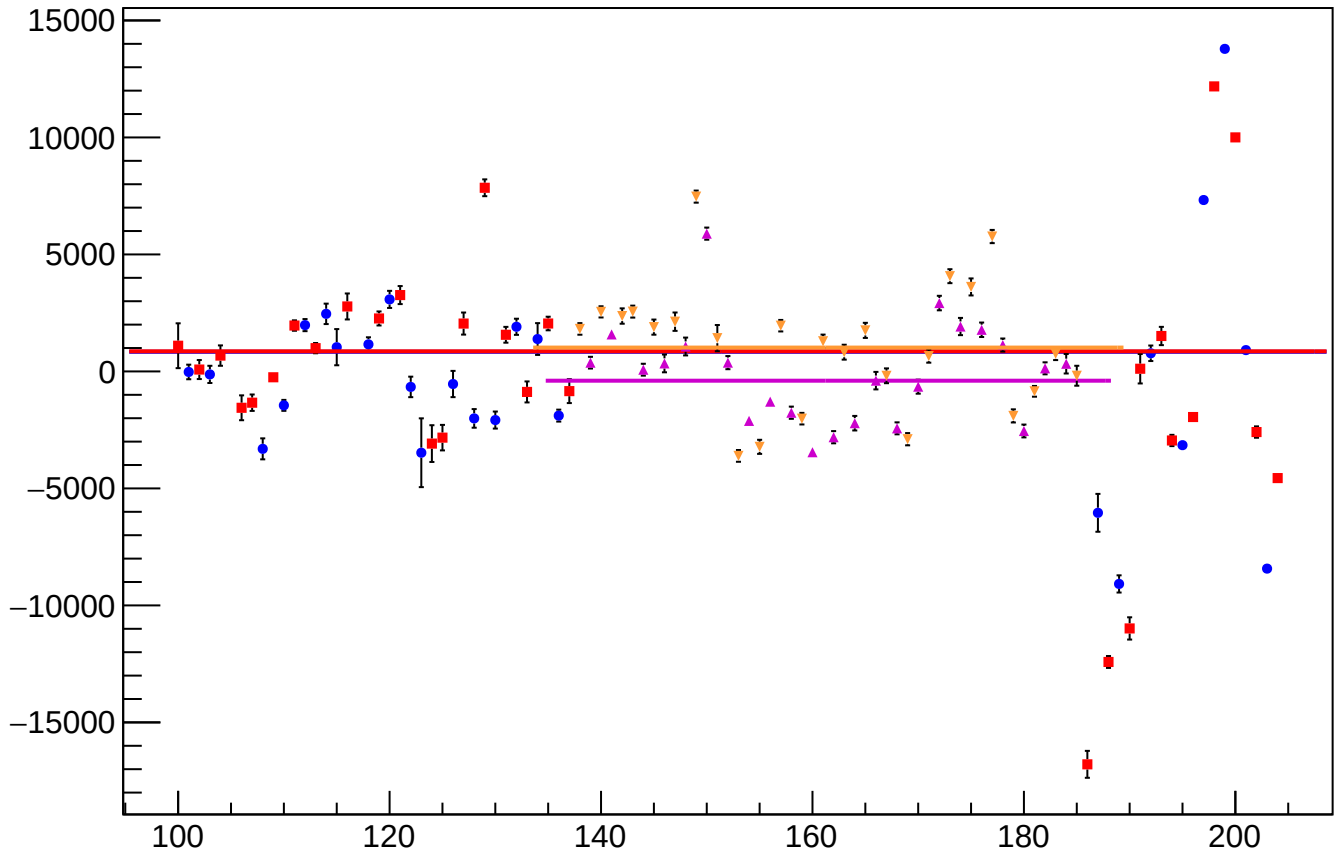
Left In: 348.464 ± 0.060 $\chi^2/\text{NDF}: 360425.7/22$

+ sign 1.668 ± 0.001 $\chi^2/\text{NDF}: 58190542.8/49$

All: 1.656 ± 0.001 $\chi^2/\text{NDF}: 116883279.5/102$

- sign 1.645 ± 0.001 $\chi^2/\text{NDF}: 58692546.8/52$

asym_bcm0l02_mean vs Slug



Right In: 839.043 $\pm$ 58.358 χ^2 /NDF: 10605.6/24

Left Out: 1018.965 $\pm$ 57.402 χ^2 /NDF:2310.1/24

Right Out: 859.563 $\pm$ 54.178 χ^2 /NDF: 12631.9/29

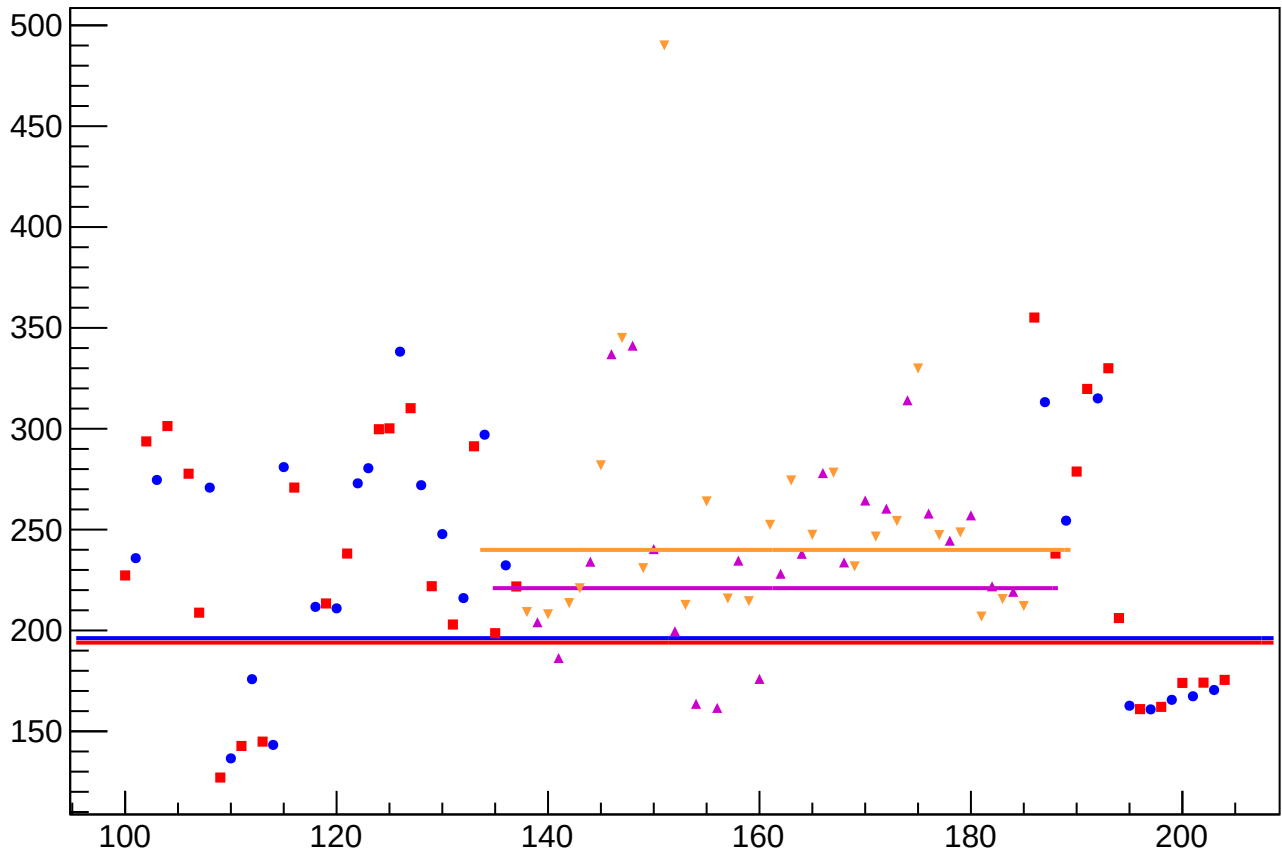
Left In: -396.609 $\pm$ 55.090 χ^2 /NDF:1581.0/22

+ sign 930.490 $\pm$ 40.923 χ^2 /NDF: 12920.5/49

All: 566.379 $\pm$ 28.090 χ^2 /NDF: 27547.5/102

- sign 241.966 $\pm$ 38.628 χ^2 /NDF: 14477.2/52

asym_bcm0l02_rms vs Slug



Right In: 196.193 $\pm$ 0.041 χ^2 /NDF: 1412130.0/24

Left Out: 239.942 $\pm$ 0.041 χ^2 /NDF:1000770.0/24

Right Out: 193.969 $\pm$ 0.038 χ^2 /NDF: 1978721.4/29

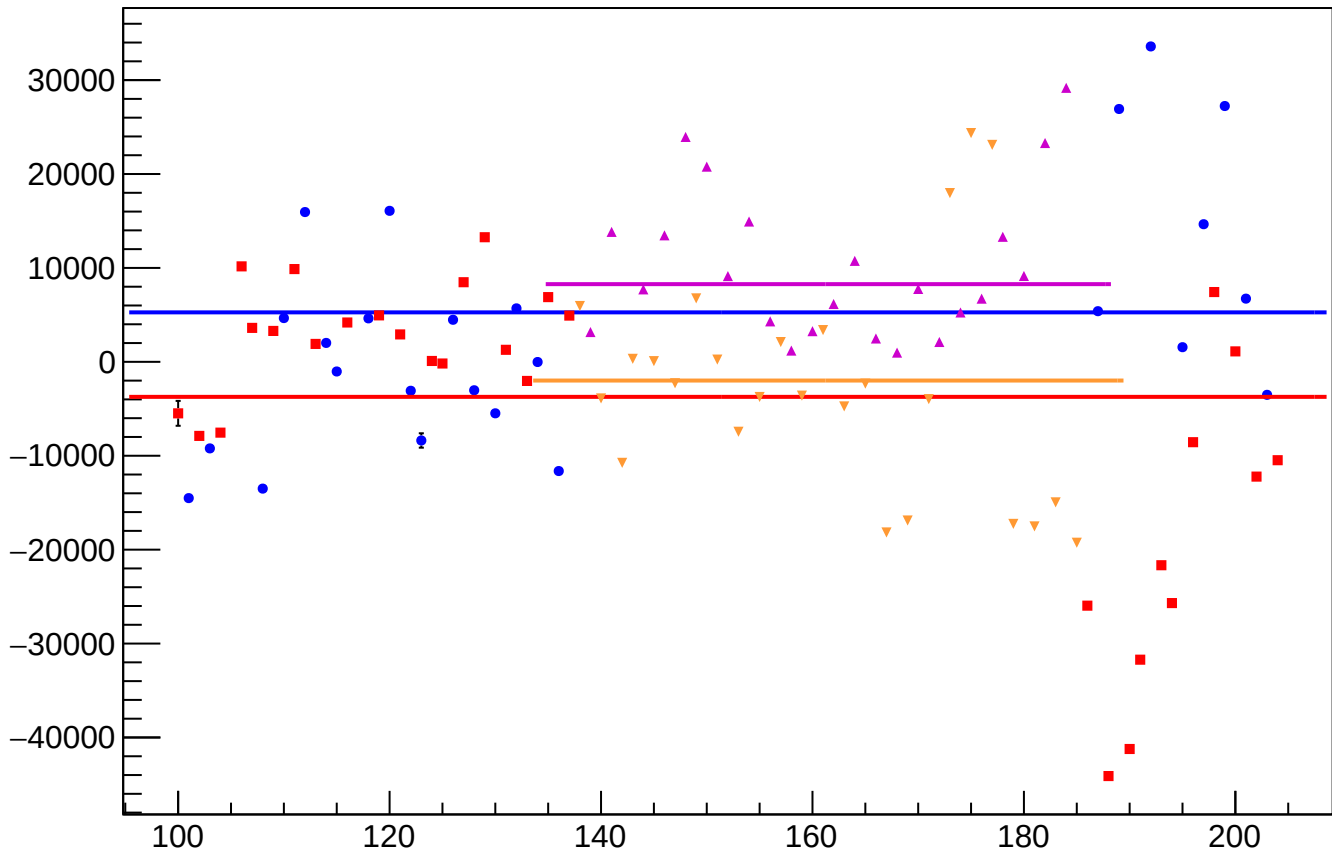
Left In: 220.972 $\pm$ 0.039 χ^2 /NDF:1327680.6/22

+ sign 218.429 $\pm$ 0.029 χ^2 /NDF: 2984178.9/49

All: 212.514 $\pm$ 0.020 χ^2 /NDF: 6613823.1/102

- sign 207.245 $\pm$ 0.027 χ^2 /NDF: 3550655.4/52

asym_bpm0i02WS_mean vs Slug



Right In: 5267.696 ± 44.348 $\chi^2/\text{NDF}: 86495.0/24$

Left Out: -1991.788 ± 42.427 $\chi^2/\text{NDF}: 63766.6/24$

+ sign 1477.276 ± 30.657 $\chi^2/\text{NDF}: 164252.2/49$

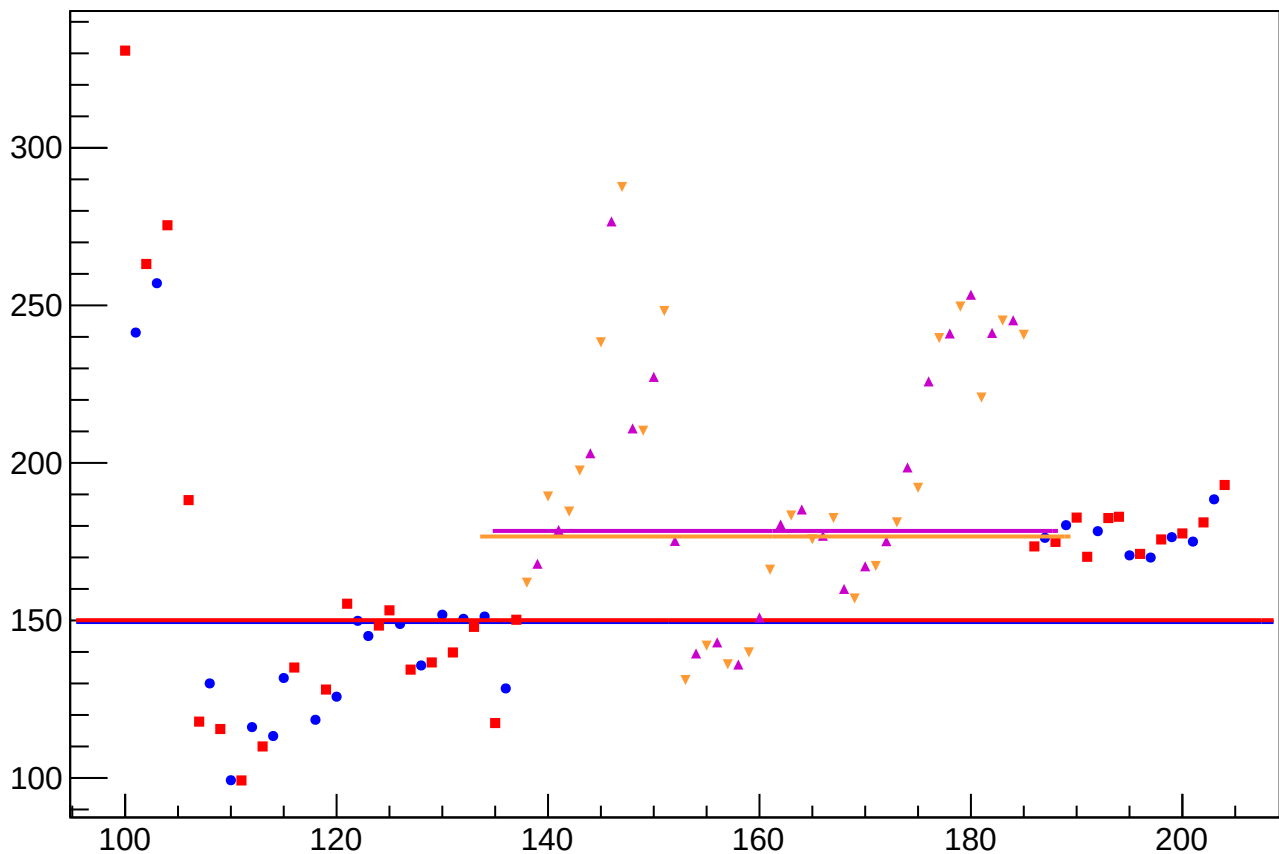
Right Out: -3728.782 ± 41.326 $\chi^2/\text{NDF}: 132938.1/29$

All: 1669.240 ± 21.521 $\chi^2/\text{NDF}: 359383.0/10$

- sign 1855.759 ± 30.219 $\chi^2/\text{NDF}: 195053.5/52$

Left In: 8273.228 ± 44.301 $\chi^2/\text{NDF}: 22870.2/22$

asym_bpm0i02WS_rms vs Slug



Right In: 149.494+/-0.031 χ^2/NDF : 1064776.5/24

Left Out: 176.641+/-0.030 χ^2/NDF :1551048.8/24

Right Out: 150.078+/-0.029 χ^2/NDF : 1426076.3/29

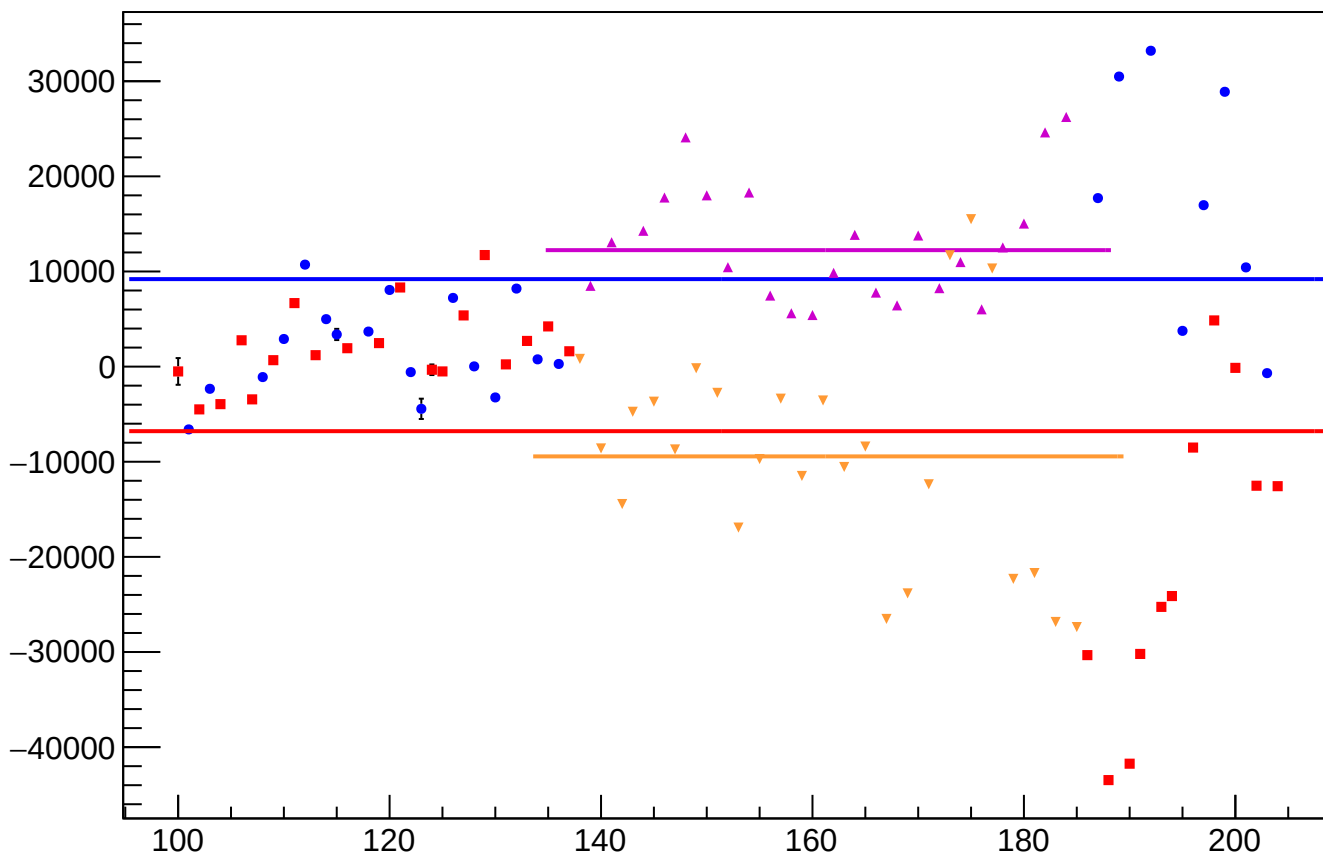
Left In: 178.413+/-0.031 χ^2/NDF :1293736.2/22

+ sign 163.668+/-0.022 χ^2/NDF : 3007116.0/49

All: 163.462+/-0.015 χ^2/NDF : 6164586.9/102

- sign 163.263+/-0.021 χ^2/NDF : 3157293.3/52

asym_bpm0i02aWS_mean vs Slug



Right In: 9197.469+/-51.213 χ^2/NDF : 48378.8/24

Left Out: -9437.408+/-45.534 χ^2/NDF : 62220.4/24

Right Out: -6785.932+/-47.076 χ^2/NDF : 102925.0/29

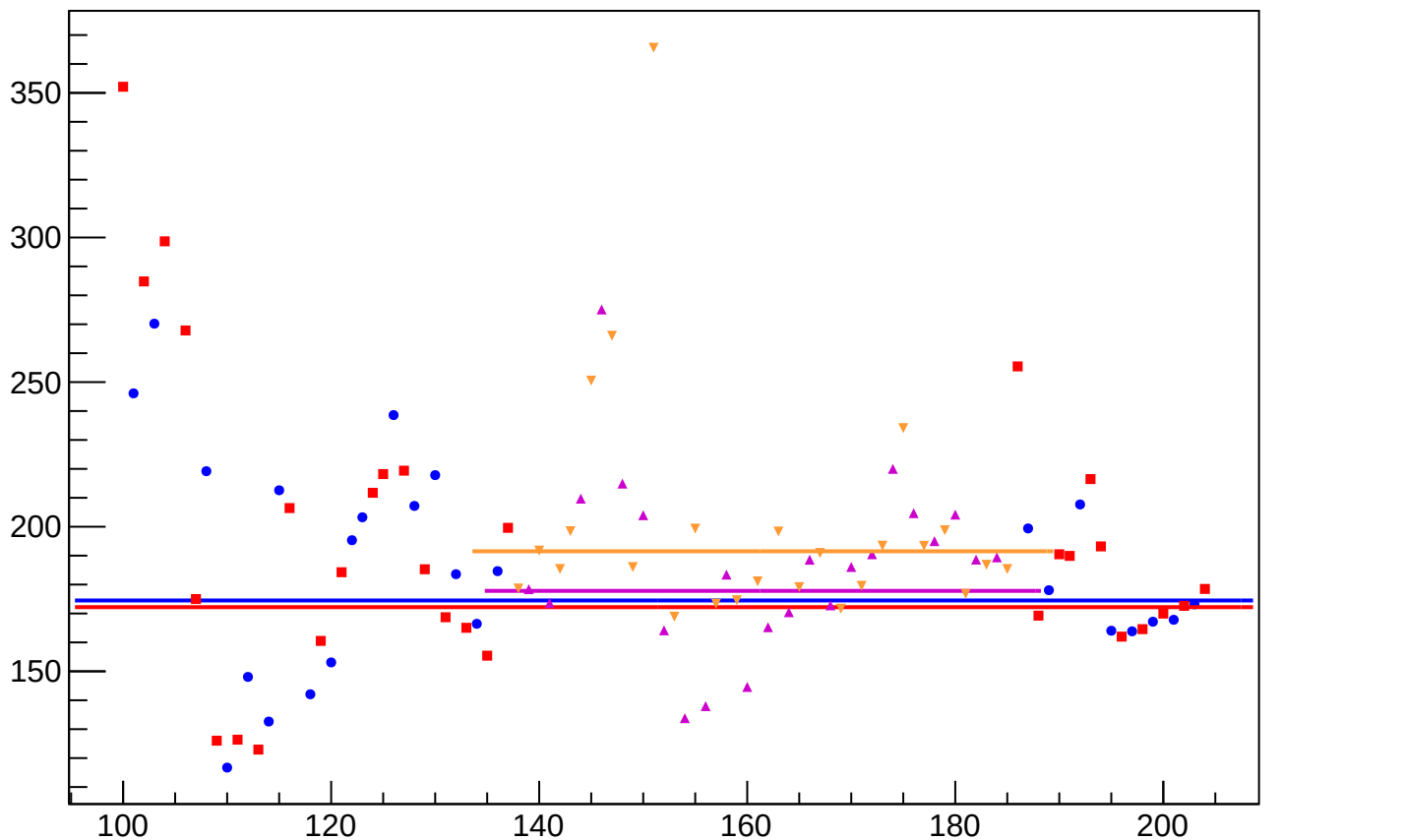
Left In: 12242.226+/-43.944 χ^2/NDF : 16615.8/22

+ sign -1210.021+/-34.029 χ^2/NDF : 184544.4/49

All: 1218.188+/-23.359 χ^2/NDF : 401017.8/10

- sign 3382.082+/-32.124 χ^2/NDF : 206843.9/52

asym_bpm0i02aWS_rms vs Slug



Right In: 174.506 $\pm$ 0.036 χ^2 /NDF: 758144.9/24

Left Out: 191.507 $\pm$ 0.032 χ^2 /NDF: 727251.6/24

Right Out: 172.183 $\pm$ 0.033 χ^2 /NDF: 1125496.9/29

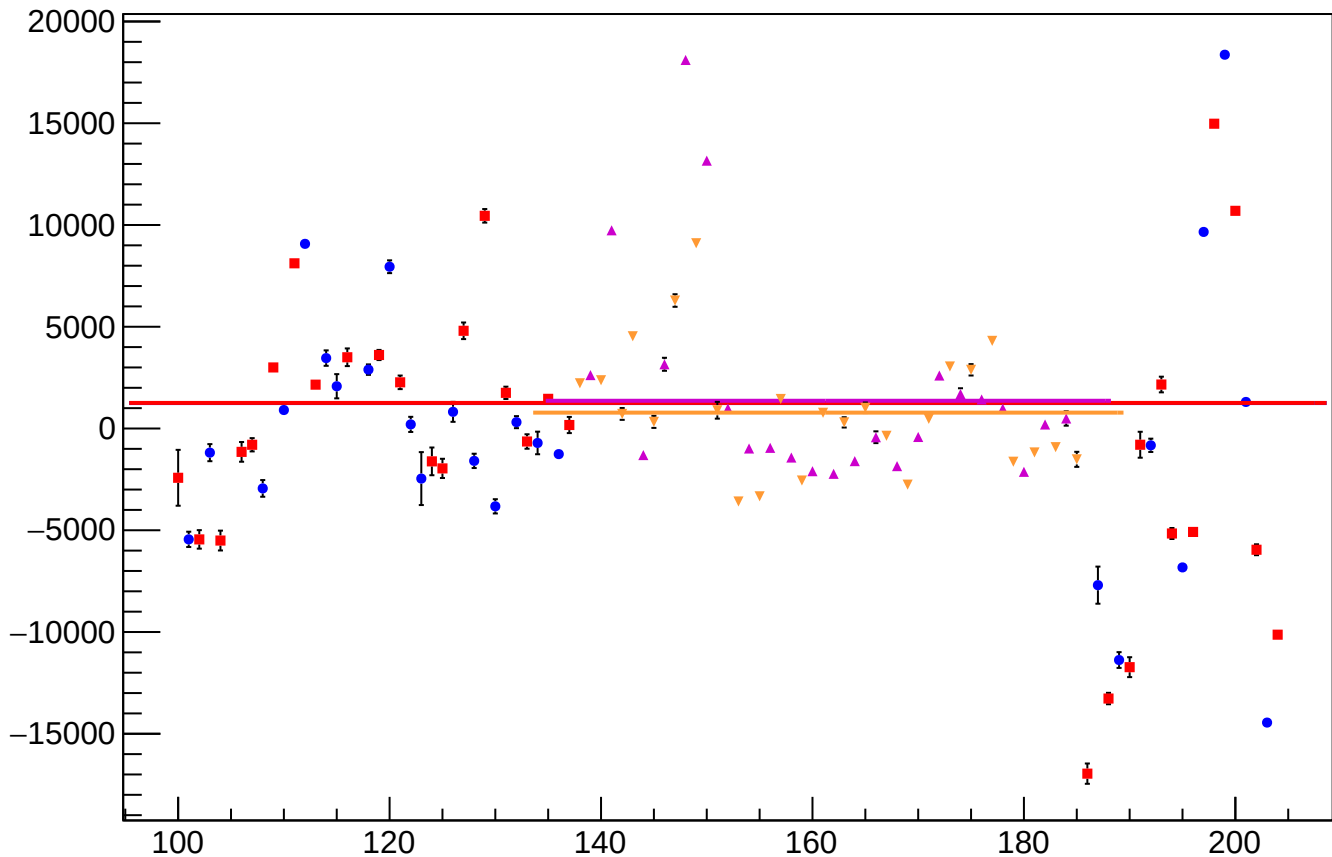
Left In: 177.821 $\pm$ 0.031 χ^2 /NDF: 862494.4/22

+ sign 184.001 $\pm$ 0.024 χ^2 /NDF: 1608492.1/49

All: 179.345 $\pm$ 0.017 χ^2 /NDF: 3682611.2/102

- sign 175.196 $\pm$ 0.023 χ^2 /NDF: 2003321.2/52

asym_bpm0i05WS_mean vs Slug



Right In: 1250.674 $\pm$ 57.546 χ^2 /NDF: 19635.7/24

Left Out: 779.983 $\pm$ 47.457 χ^2 /NDF:4260.8/24

Right Out: 1256.803 $\pm$ 53.308 χ^2 /NDF: 18889.4/29

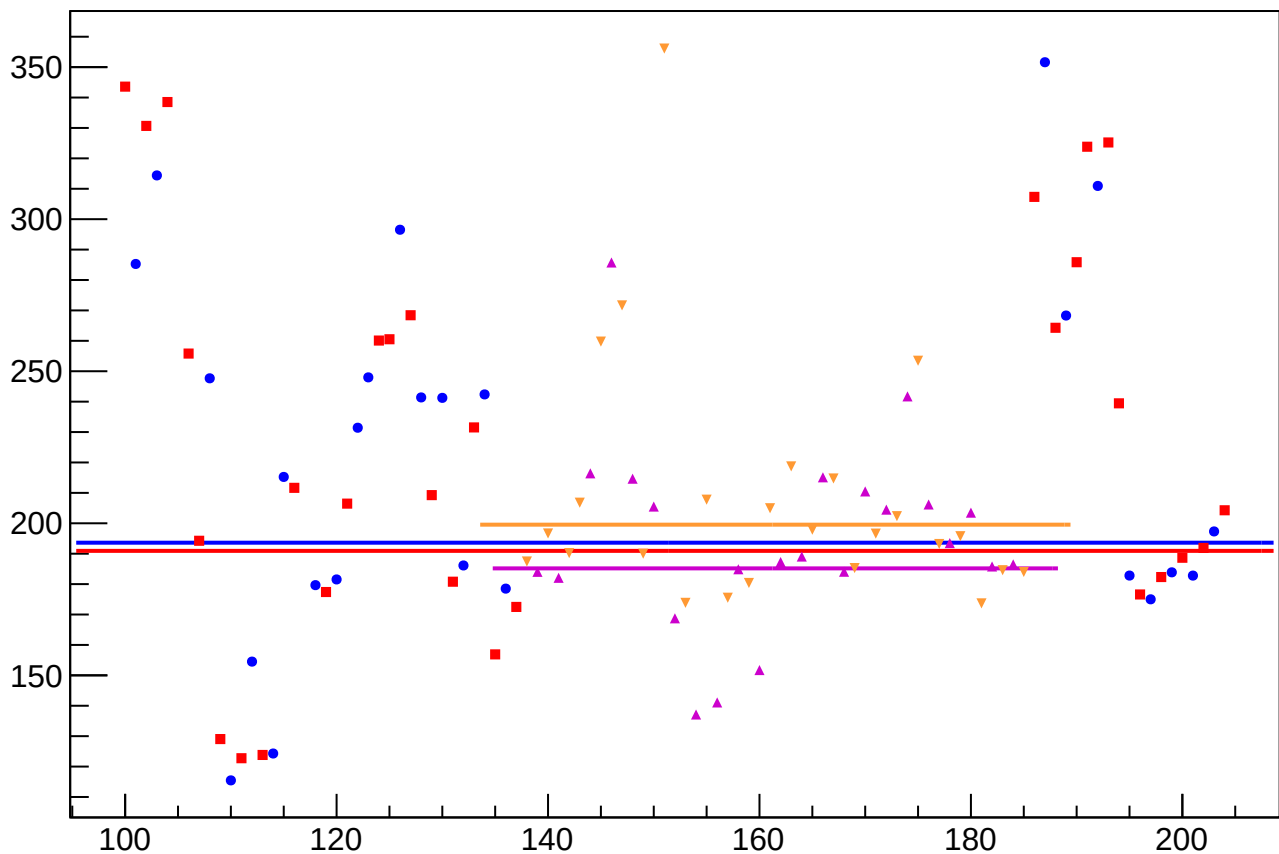
Left In: 1363.043 $\pm$ 45.807 χ^2 /NDF:11632.9/22

+ sign 970.517 $\pm$ 36.613 χ^2 /NDF: 23936.3/49

All: 1153.320 $\pm$ 25.202 χ^2 /NDF: 54508.2/102

- sign 1317.917 $\pm$ 34.742 χ^2 /NDF: 30524.6/52

asym_bpm0i05WS_rms vs Slug



Right In: 193.619 $\pm$ 0.041 χ^2 /NDF: 1406821.6/24

Left Out: 199.547 $\pm$ 0.034 χ^2 /NDF: 729356.3/24

Right Out: 190.932 $\pm$ 0.038 χ^2 /NDF: 2134116.7/29

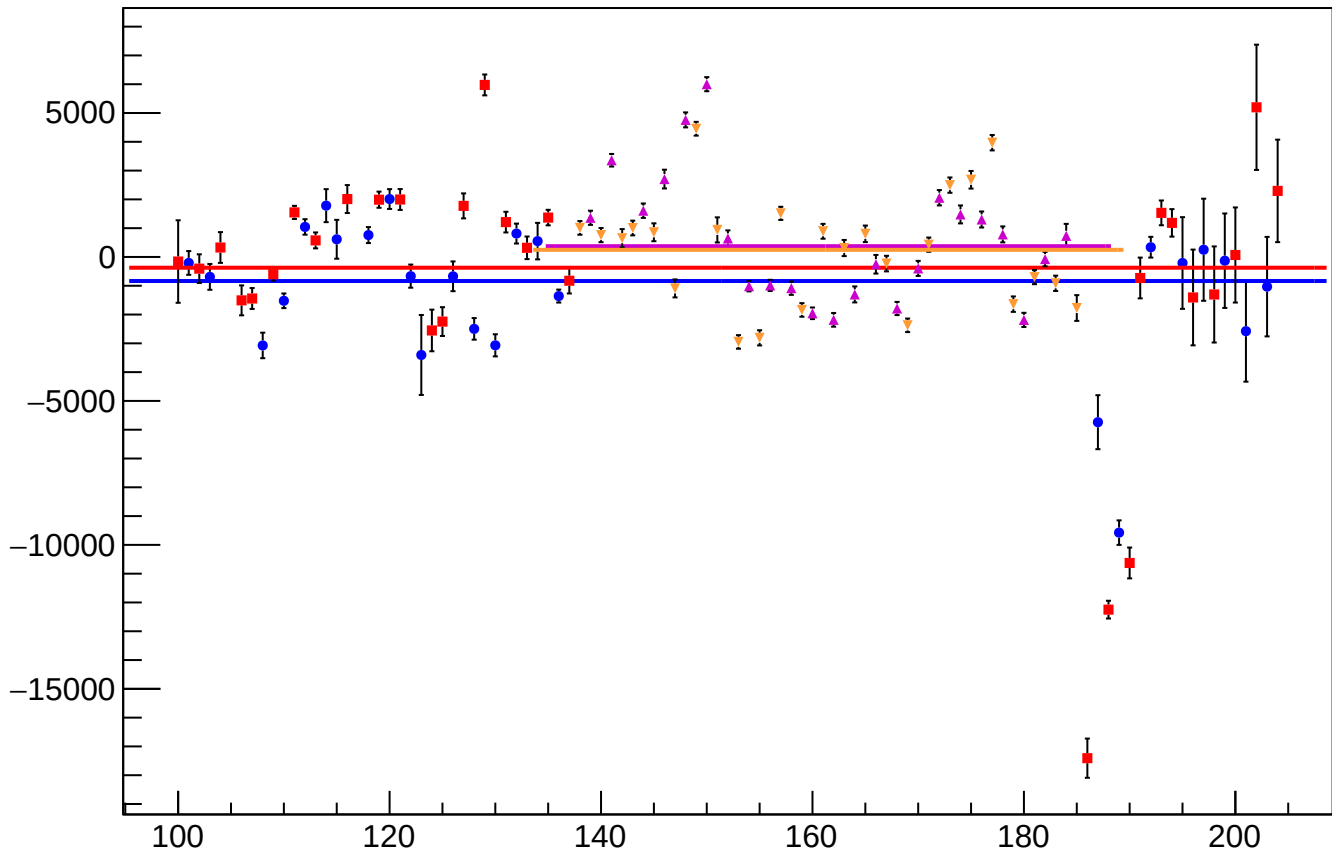
Left In: 185.171 $\pm$ 0.032 χ^2 /NDF: 882752.2/22

+ sign 197.147 $\pm$ 0.026 χ^2 /NDF: 2148808.2/49

All: 192.133 $\pm$ 0.018 χ^2 /NDF: 5250411.6/102

- sign 187.618 $\pm$ 0.025 χ^2 /NDF: 3030306.1/52

asym_bpm0i07WS_mean vs Slug



Right In: -835.352 ± 83.641 χ^2/NDF : 761.2/24

Left Out: 247.844 ± 53.555 χ^2/NDF : 1355.1/24

Right Out: -373.180 ± 75.073 χ^2/NDF : 3171.4/29

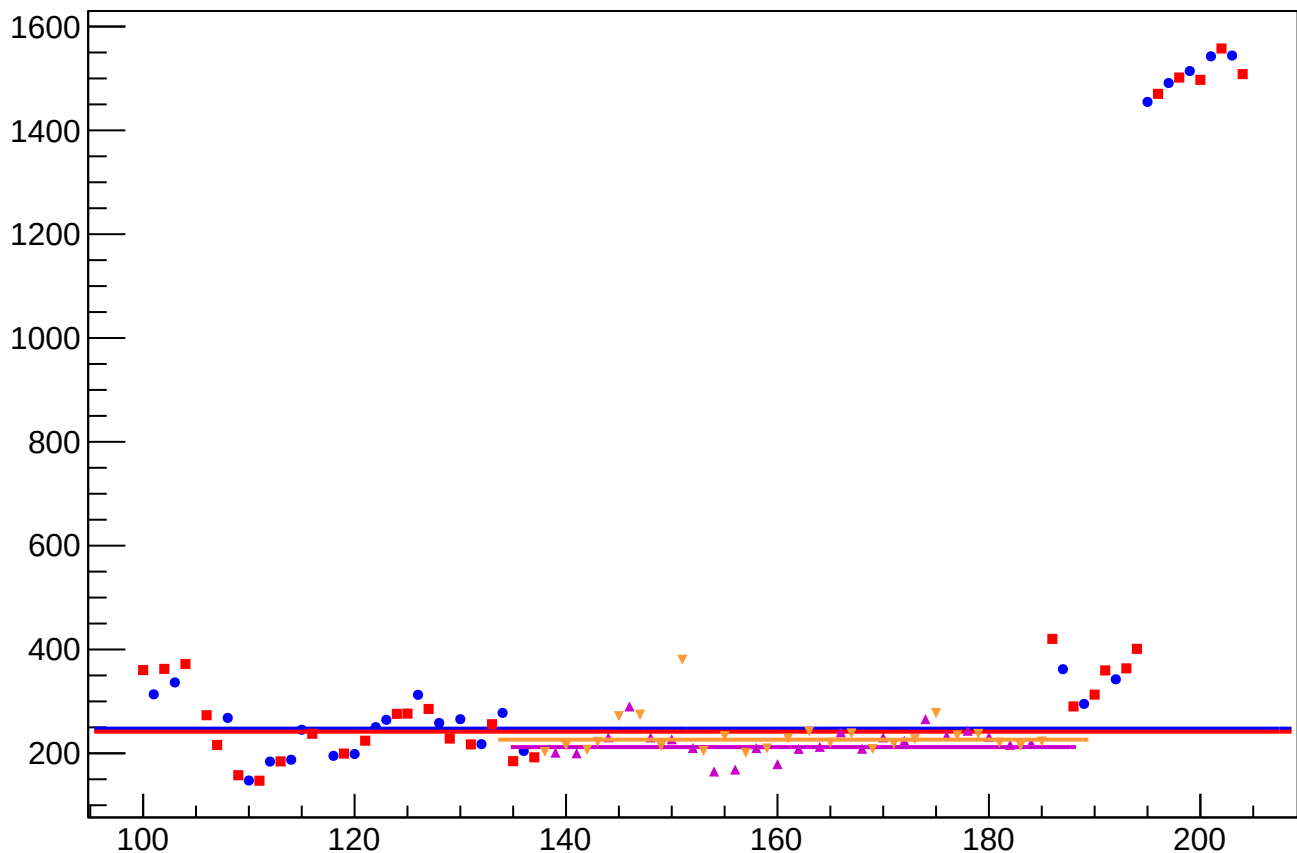
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -67.117 ± 45.102 χ^2/NDF : 2235.2/49

All: 37.460 ± 31.036 χ^2/NDF : 7284.7/102

- sign 131.522 ± 42.774 χ^2/NDF : 5039.3/52

asym_bpm0i07WS_rms vs Slug



Right In: 247.535 $\pm$ 0.059 χ^2 /NDF: 6556667.9/24

Left Out: 226.322 $\pm$ 0.038 χ^2 /NDF: 521041.8/24

Right Out: 241.707 $\pm$ 0.053 χ^2 /NDF: 6982042.3/29

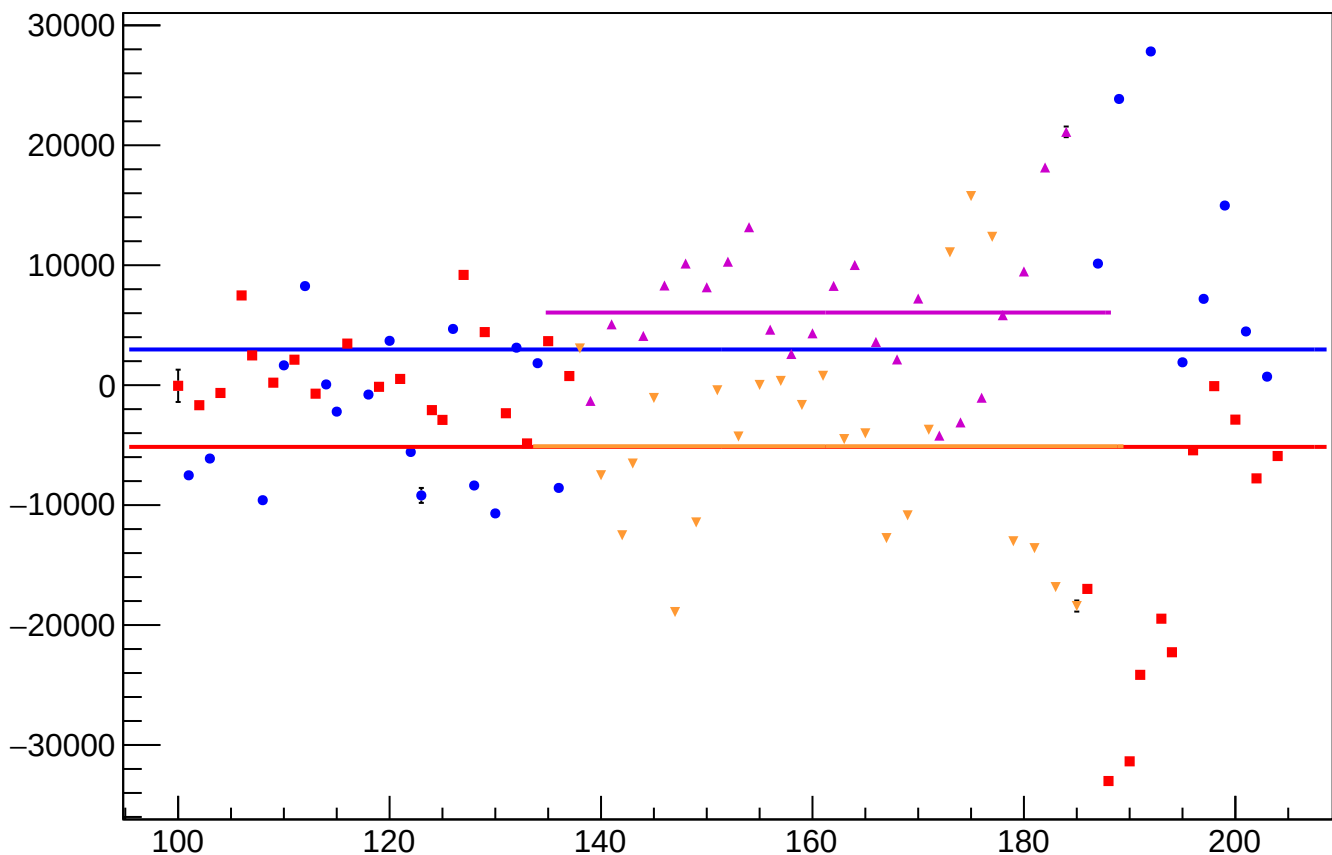
Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

+ sign 232.490 $\pm$ 0.032 χ^2 /NDF: 7168949.3/49

All: 226.769 $\pm$ 0.022 χ^2 /NDF: 15008378.0/10

- sign 221.624 $\pm$ 0.030 χ^2 /NDF: 7778310.6/52

asym_bpm1i02WS_mean vs Slug



Right In: 2975.453 ± 37.694 $\chi^2/\text{NDF}: 73382.5/24$

Left Out: -5095.305 ± 33.703 $\chi^2/\text{NDF}: 54395.4/24$

Right Out: -5147.498 ± 34.813 $\chi^2/\text{NDF}: 101013.7/29$

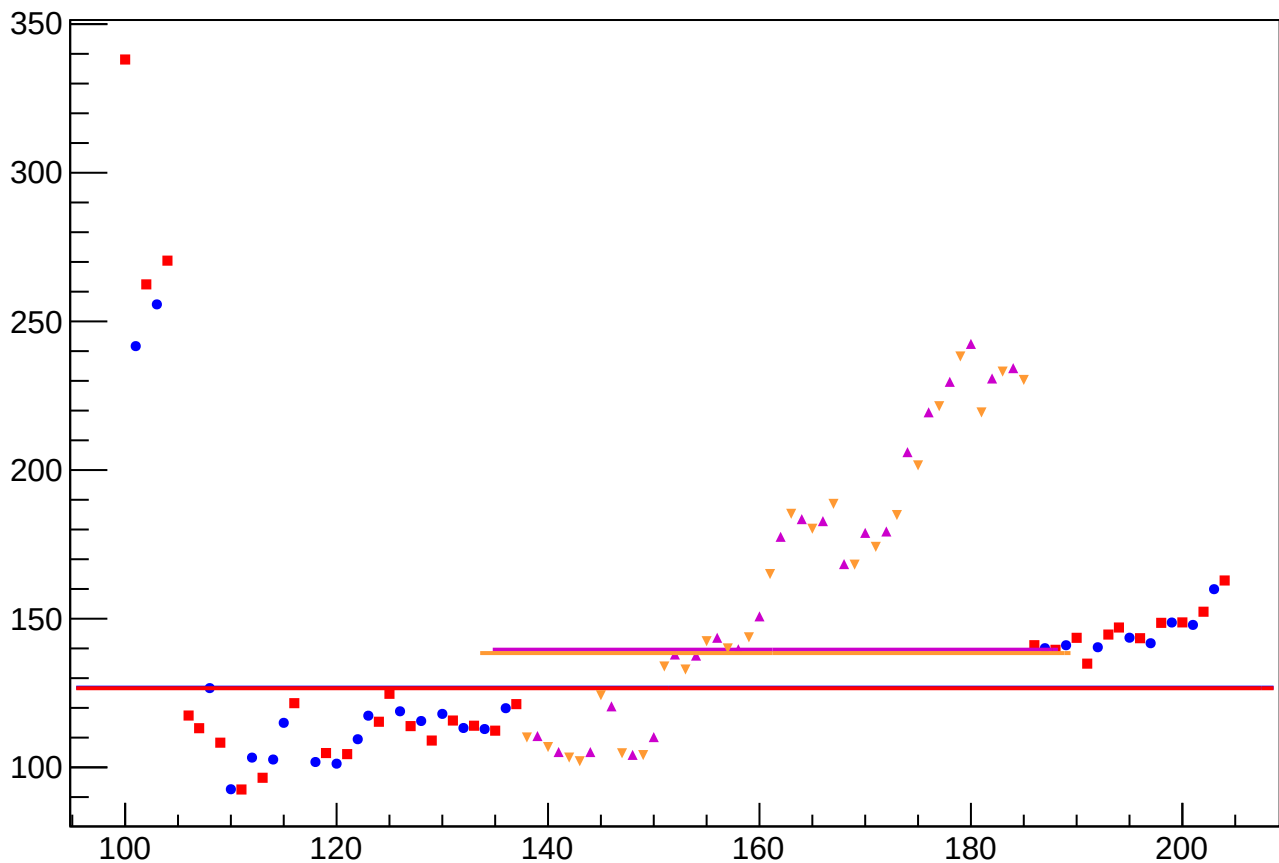
Left In: 6053.569 ± 34.998 $\chi^2/\text{NDF}: 17590.3/22$

+ sign -1509.659 ± 25.125 $\chi^2/\text{NDF}: 153254.0/49$

All: -525.953 ± 17.607 $\chi^2/\text{NDF}: 326357.2/10$

- sign 423.355 ± 24.682 $\chi^2/\text{NDF}: 170090.9/52$

asym_bpm1i02WS_rms vs Slug



Right In: 126.806+/-0.027 χ^2/NDF : 1057771.1/24

Left Out: 138.436+/-0.024 χ^2/NDF : 2549435.8/24

Right Out: 126.609+/-0.025 χ^2/NDF : 1252162.1/29

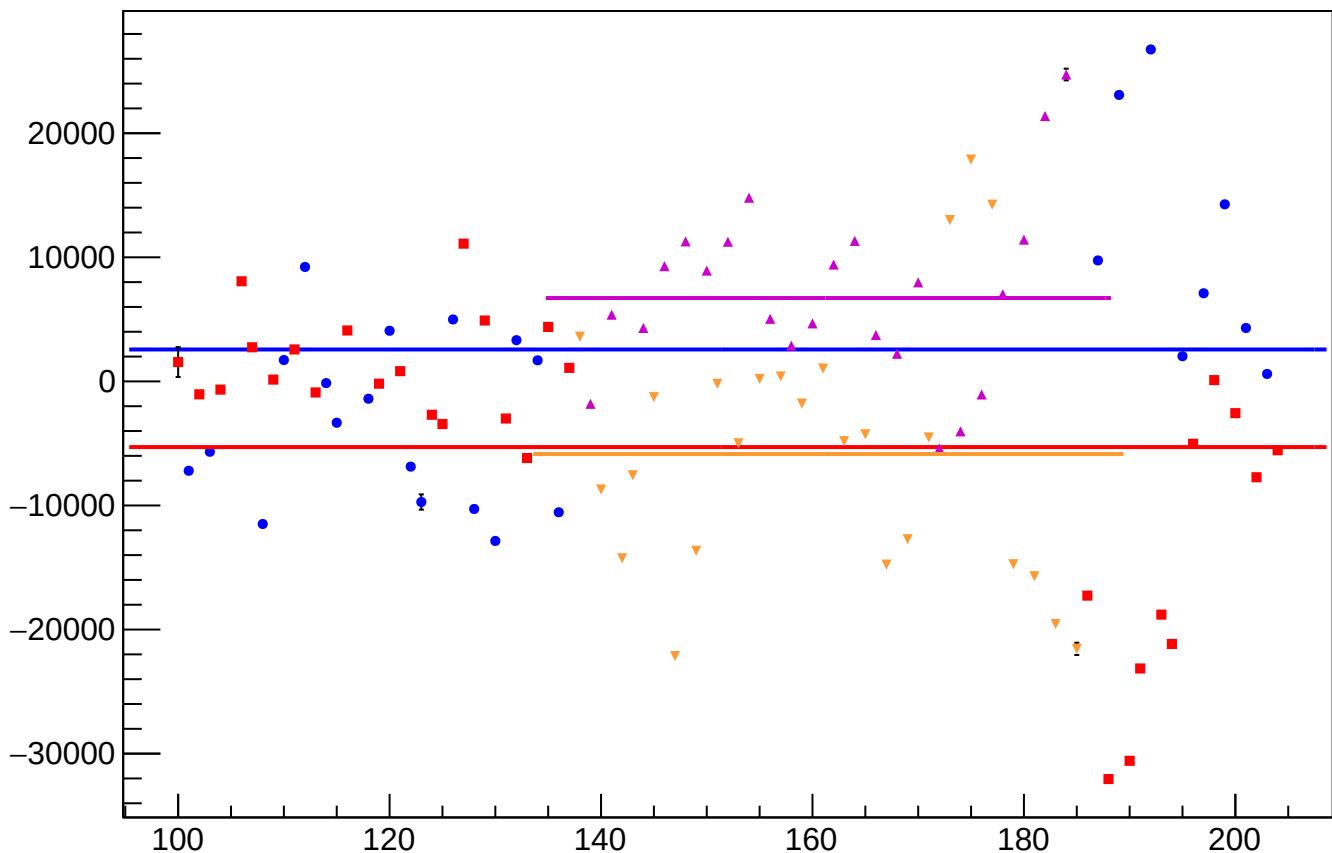
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 133.269+/-0.018 χ^2/NDF : 3712997.3/49

All: 133.162+/-0.012 χ^2/NDF : 7516918.7/102

- sign 133.059+/-0.017 χ^2/NDF : 3803850.5/52

asym_bpm2i01WS_mean vs Slug



Right In: 2572.343 ± 37.964 χ^2/NDF : 78372.2/24

Left Out: -5852.544 ± 35.880 χ^2/NDF : 63411.4/24

Right Out: -5293.137 ± 35.145 χ^2/NDF : 101521.4/29

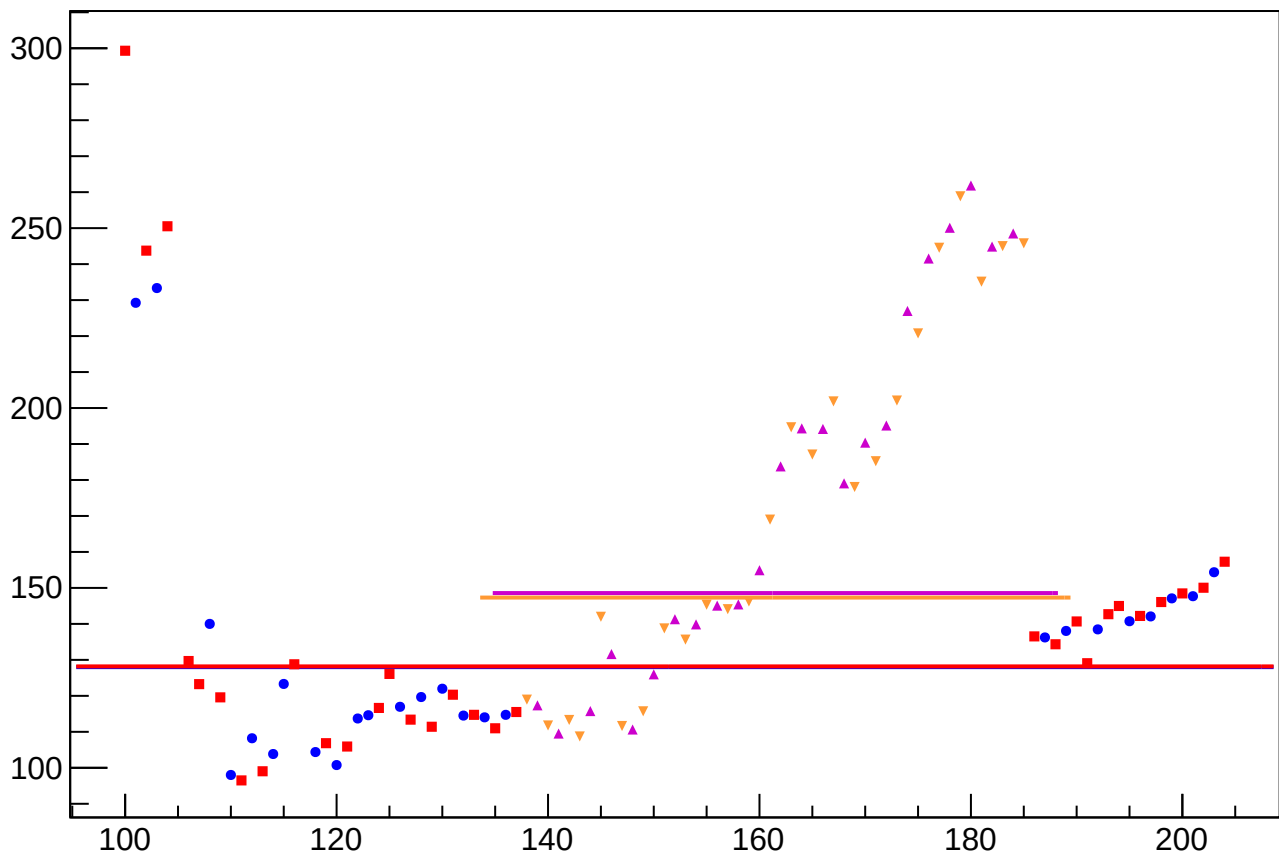
Left In: 6718.475 ± 37.276 χ^2/NDF : 20934.3/22

+ sign -1877.727 ± 26.077 χ^2/NDF : 167796.2/49

All: -737.150 ± 18.258 χ^2/NDF : 348975.1/10

- sign 359.667 ± 25.571 χ^2/NDF : 177426.0/52

asym_bpm2i01WS_rms vs Slug



Right In: 127.986+/-0.027 χ^2/NDF : 866061.3/24

Left Out: 147.317+/-0.025 χ^2/NDF : 2511679.9/24

Right Out: 128.186+/-0.025 χ^2/NDF : 998281.9/29

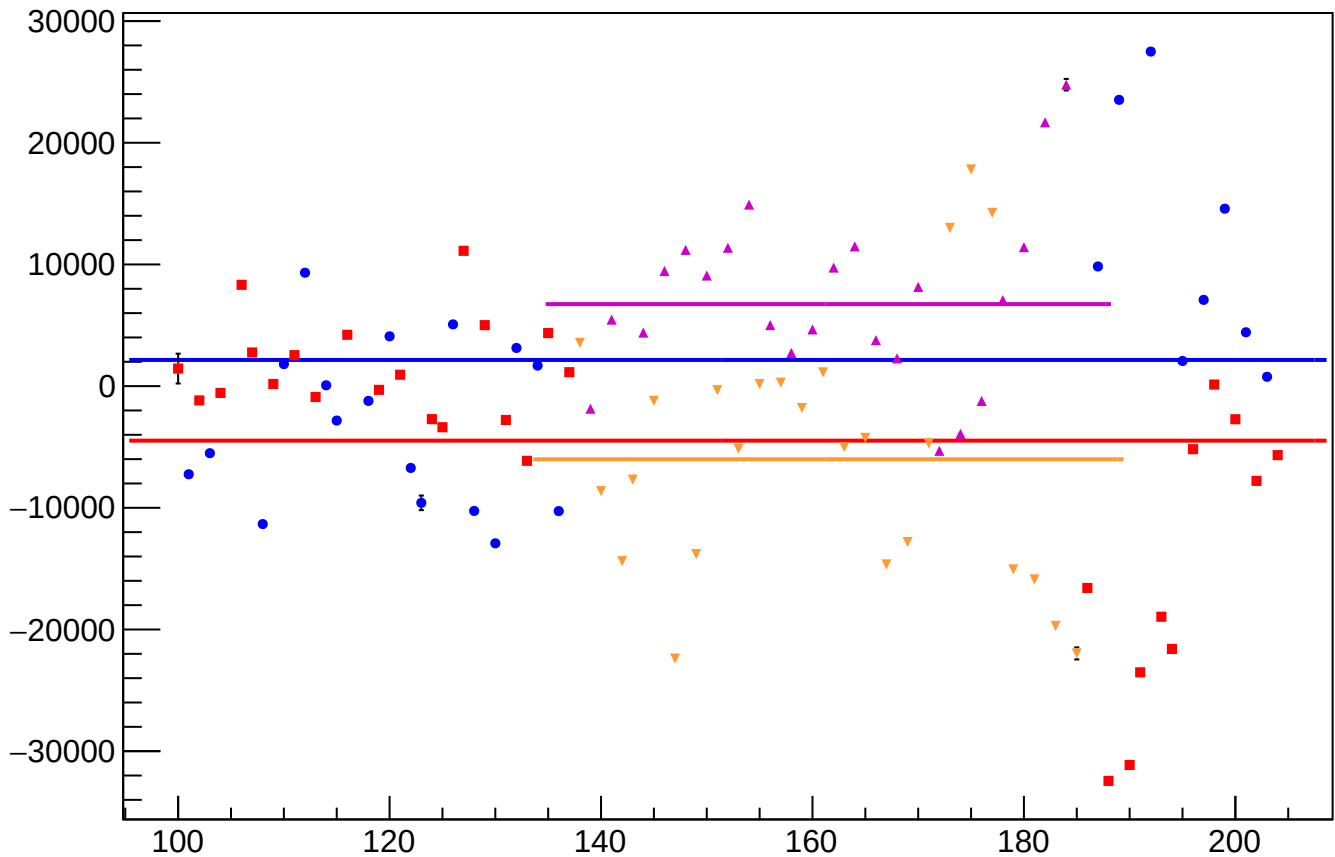
Left In: 148.569+/-0.026 χ^2/NDF : 2393185.0/22

+ sign 138.197+/-0.018 χ^2/NDF : 3651635.9/49

All: 137.984+/-0.013 χ^2/NDF : 7359936.5/102

- sign 137.778+/-0.018 χ^2/NDF : 3708037.7/52

asym_bpm2i02WS_mean vs Slug



Right In: 2151.652 ± 37.449 $\chi^2/\text{NDF}: 77702.9/24$

Left Out: -6009.913 ± 35.082 $\chi^2/\text{NDF}: 67852.2/24$

Right Out: -4480.598 ± 34.862 $\chi^2/\text{NDF}: 96152.8/29$

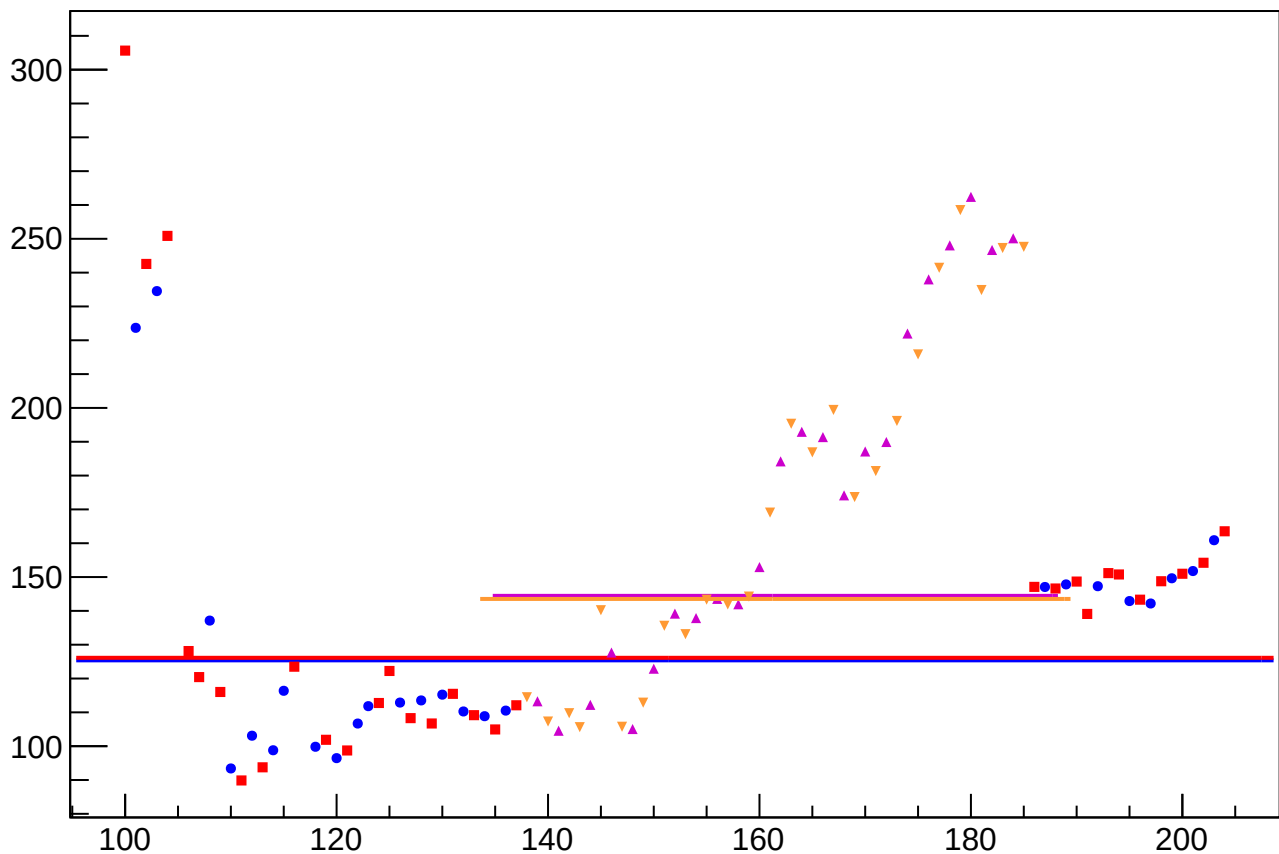
Left In: 6740.666 ± 36.379 $\chi^2/\text{NDF}: 22071.8/22$

+ sign -2195.154 ± 25.603 $\chi^2/\text{NDF}: 170851.8/49$

All: -625.737 ± 17.949 $\chi^2/\text{NDF}: 346062.3/10$

- sign 891.128 ± 25.170 $\chi^2/\text{NDF}: 167821.3/52$

asym_bpm2i02WS_rms vs Slug



Right In: 125.375+/-0.026 χ^2/NDF : 1107107.6/24

Left Out: 143.531+/-0.025 χ^2/NDF : 2704790.3/24

Right Out: 126.128+/-0.025 χ^2/NDF : 1351956.8/29

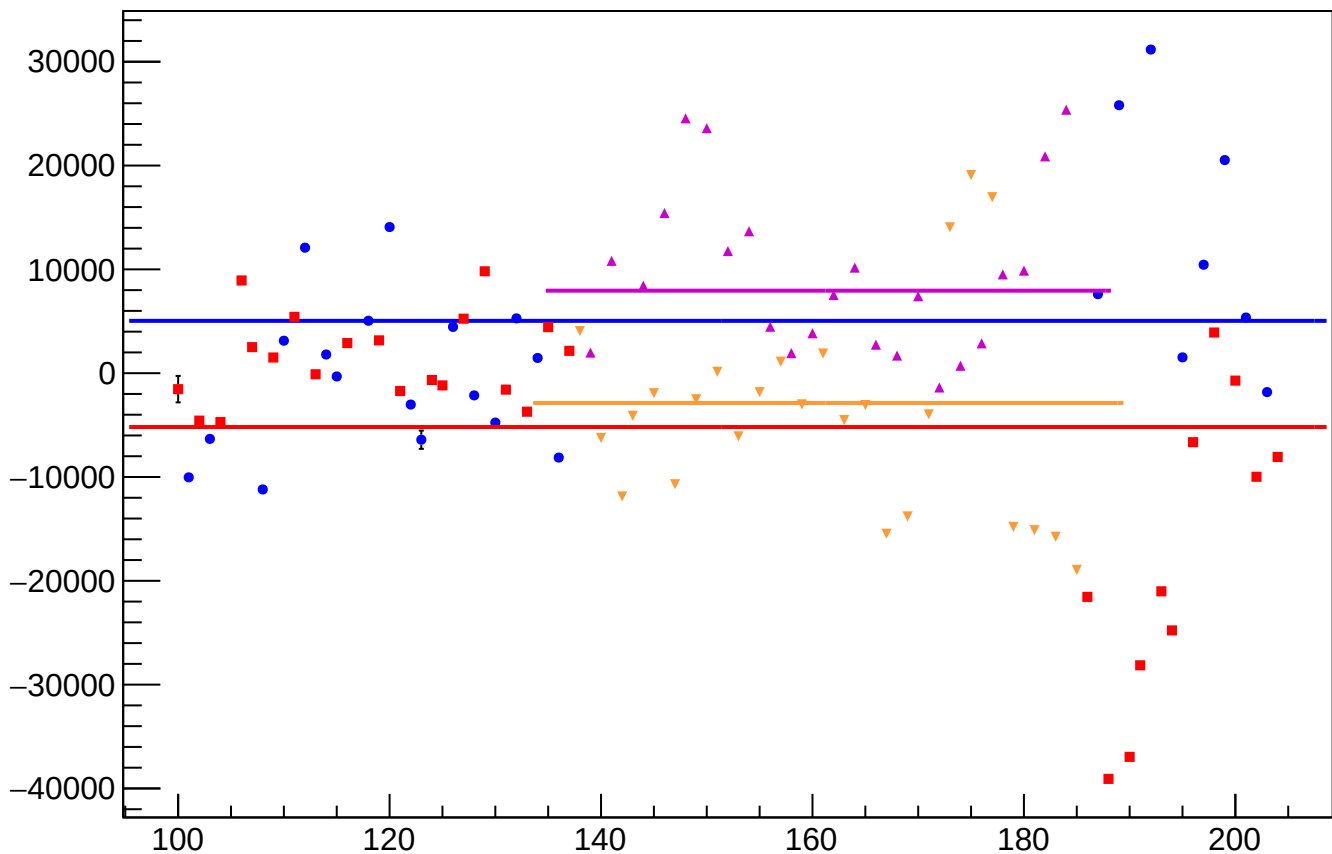
Left In: 144.440+/-0.026 χ^2/NDF : 2586926.1/22

+ sign 135.045+/-0.018 χ^2/NDF : 4062255.3/49

All: 134.968+/-0.013 χ^2/NDF : 8265312.1/102

- sign 134.894+/-0.018 χ^2/NDF : 4203021.6/52

asym_bpm0i01WS_mean vs Slug



Right In: 5040.865+/-45.335 χ^2/NDF : 59714.6/24

Left Out: -2870.473+/-39.482 χ^2/NDF : 46420.3/24

Right Out: -5185.651+/-42.190 χ^2/NDF : 95371.1/29

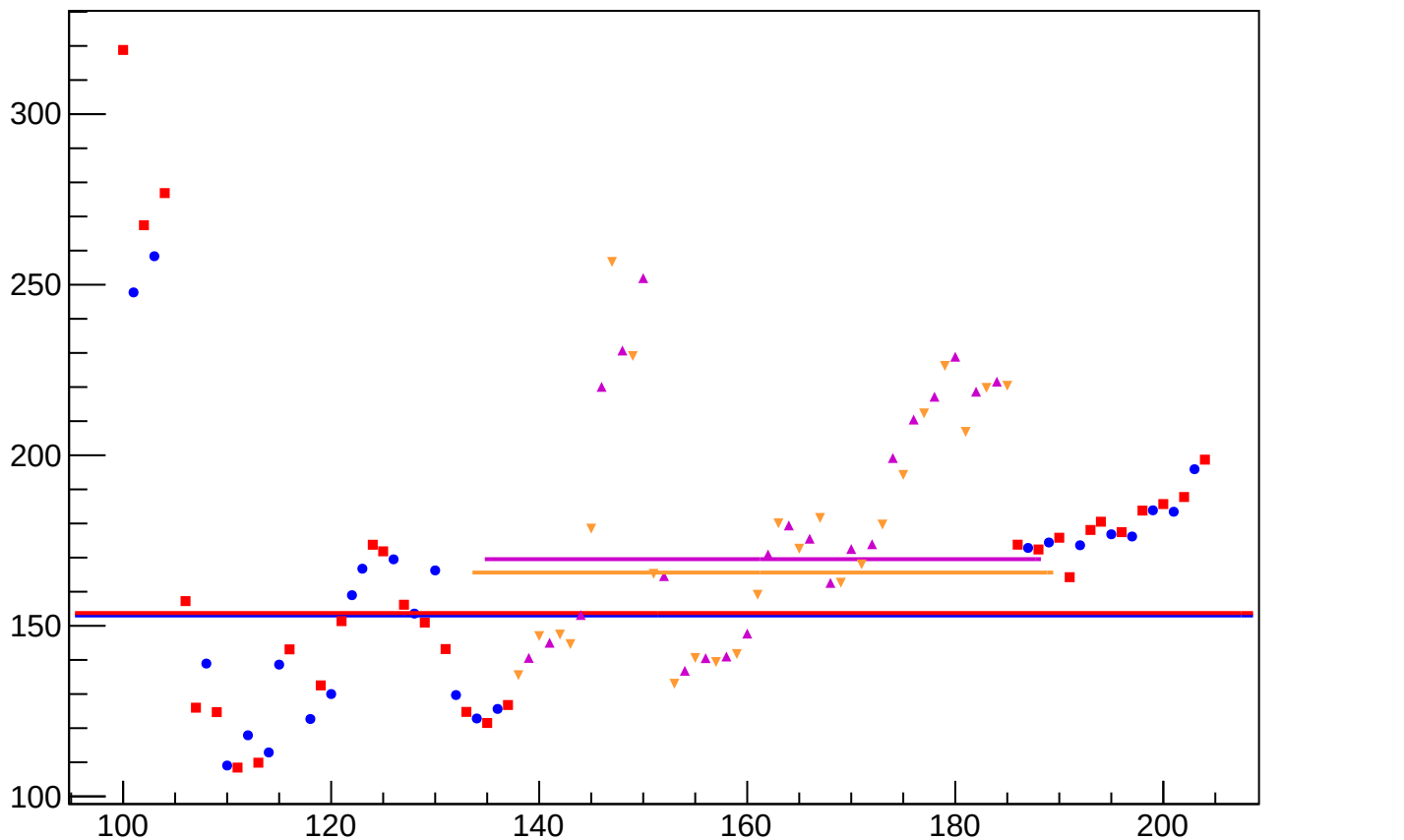
Left In: 7947.160+/-41.726 χ^2/NDF : 23874.5/22

+ sign 541.823+/-29.774 χ^2/NDF : 123452.7/49

All: 999.284+/-21.016 χ^2/NDF : 292151.3/102

- sign 1453.480+/-29.667 χ^2/NDF : 168228.1/52

asym_bpm0i01WS_rms vs Slug



Right In: 153.032+/-0.032 χ^2/NDF : 1066720.0/24

Left Out: 165.616+/-0.028 χ^2/NDF :1144779.3/24

Right Out: 153.748+/-0.030 χ^2/NDF : 1282892.3/29

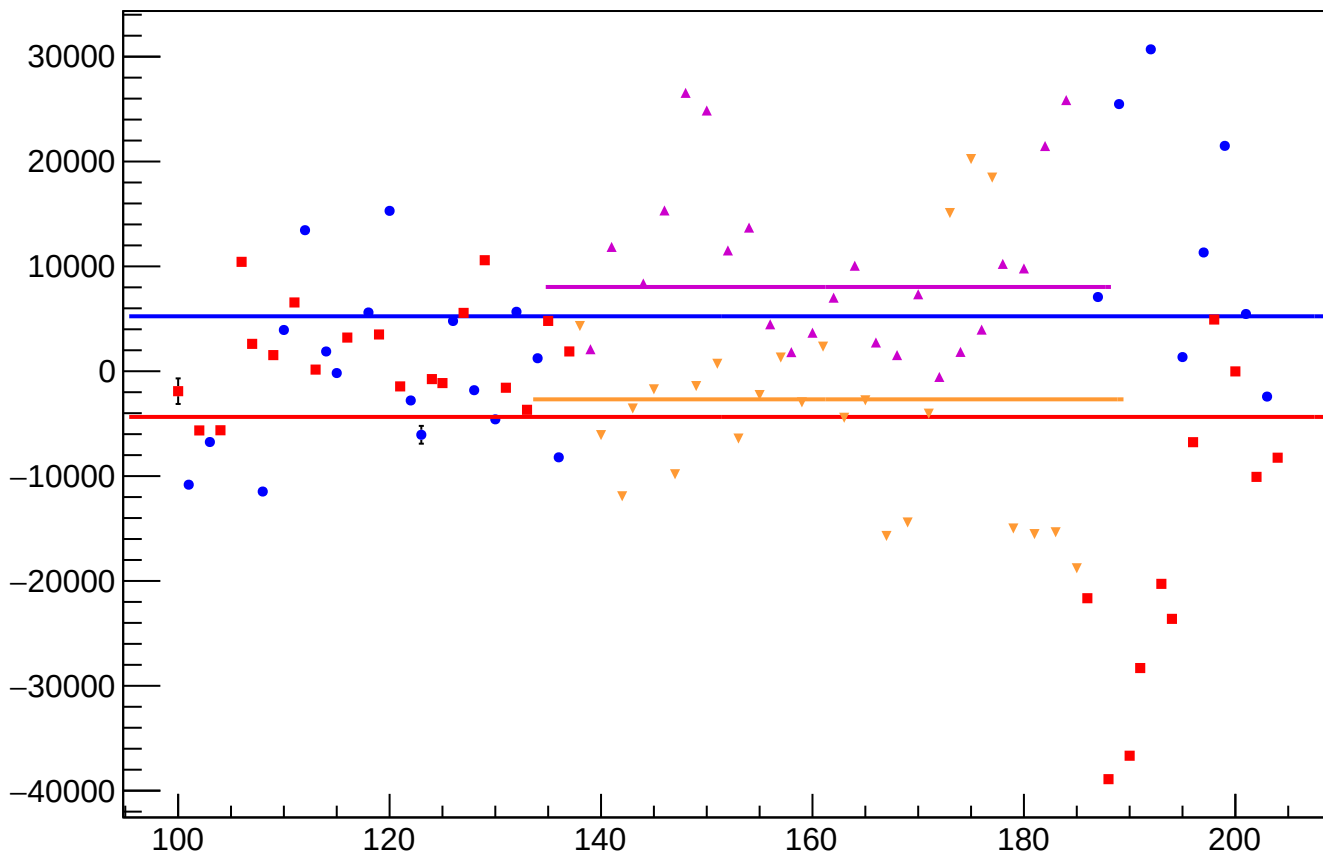
Left In: 169.542+/-0.030 χ^2/NDF :1159241.9/22

+ sign 160.188+/-0.021 χ^2/NDF : 2299136.3/49

All: 160.963+/-0.015 χ^2/NDF : 4885648.3/102

- sign 161.732+/-0.021 χ^2/NDF : 2583813.5/52

asym_bpm0i01aWS_mean vs Slug



Right In: 5240.332 $\pm$ 38.184 χ^2 /NDF: 84100.3/24

Left Out: -2680.012 $\pm$ 35.764 χ^2 /NDF:56820.4/24

Right Out: -4356.605 $\pm$ 35.326 χ^2 /NDF: 132695.0/29

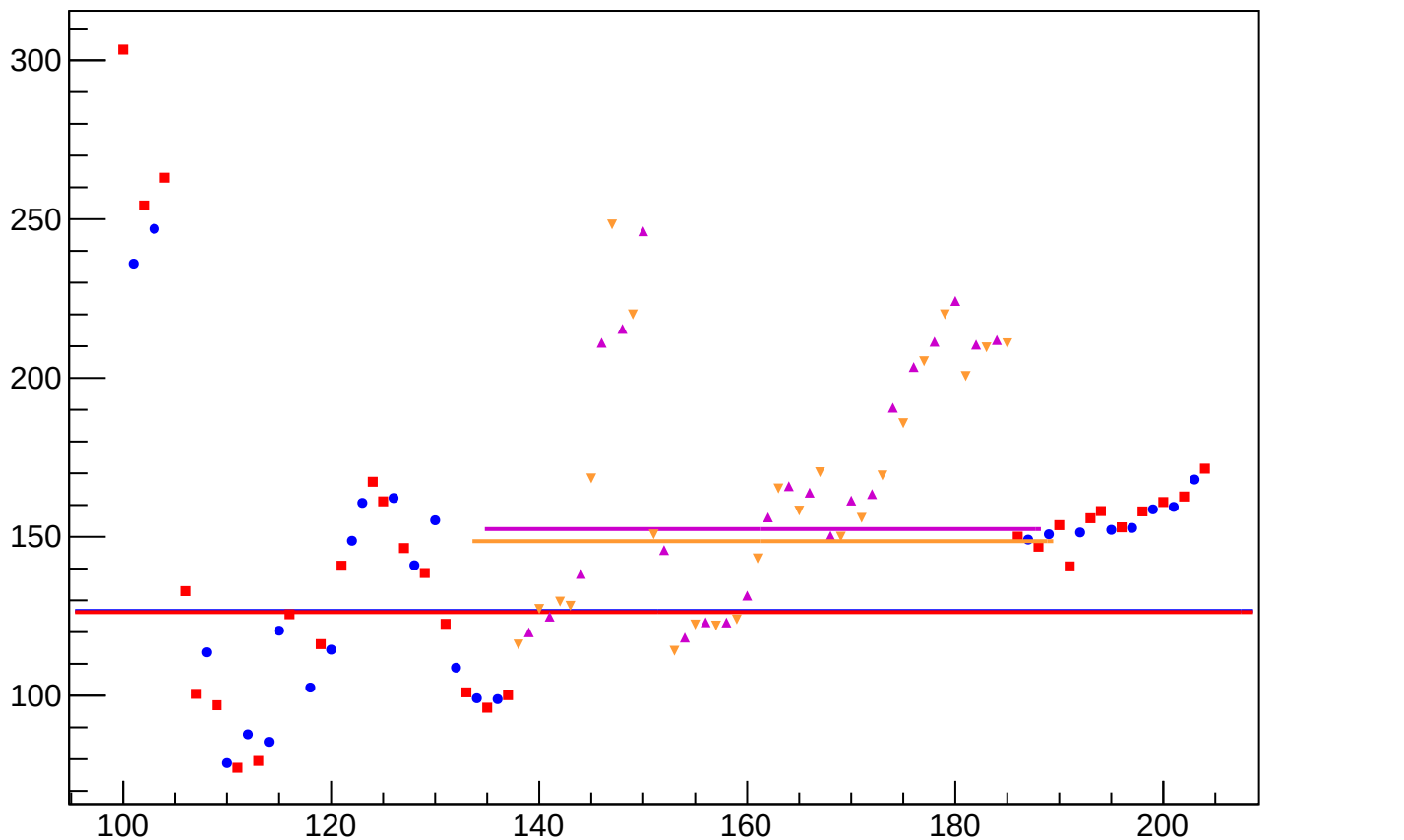
Left In: 8036.826 $\pm$ 37.924 χ^2 /NDF:29261.6/22

+ sign 1021.196 $\pm$ 26.102 χ^2 /NDF: 163840.2/49

All: 1212.974 $\pm$ 18.367 χ^2 /NDF: 383084.0/10

- sign 1401.047 $\pm$ 25.849 χ^2 /NDF: 219136.9/52

asym_bpm0i01aWS_rms vs Slug



Right In: 126.632 $\pm$ 0.027 χ^2 /NDF: 1714617.4/24

Left Out: 148.611 $\pm$ 0.025 χ^2 /NDF:1685424.1/24

Right Out: 126.275 $\pm$ 0.025 χ^2 /NDF: 2098725.5/29

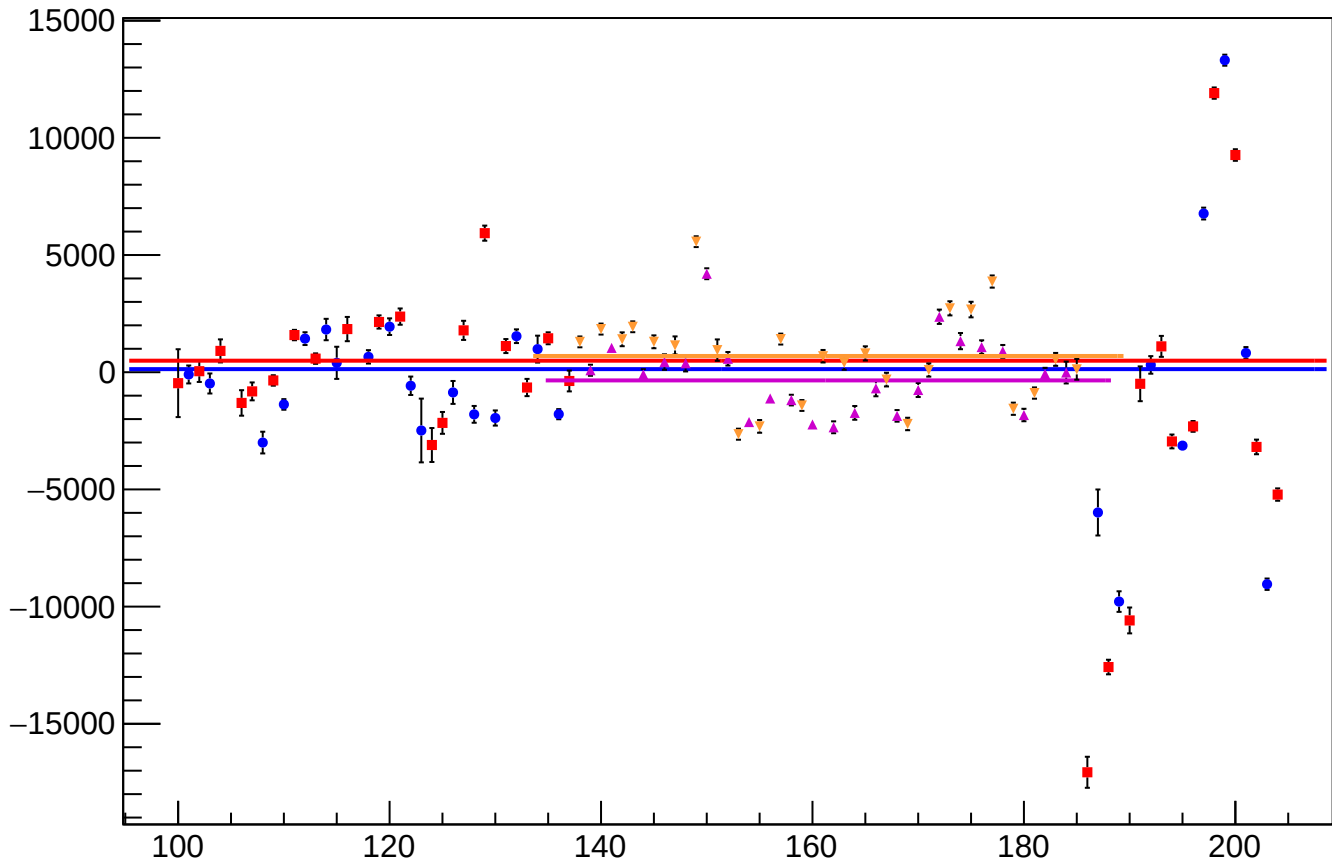
Left In: 152.463 $\pm$ 0.027 χ^2 /NDF:1691517.7/22

+ sign 138.340 $\pm$ 0.018 χ^2 /NDF: 3753007.0/49

All: 138.391 $\pm$ 0.013 χ^2 /NDF: 8053911.5/102

- sign 138.441 $\pm$ 0.018 χ^2 /NDF: 4300889.4/52

asym_bpm0l01WS_mean vs Slug



Right In: 131.660 ± 64.080 χ^2/NDF : 6387.6/24

Left Out: 692.998 ± 54.303 χ^2/NDF : 1422.0/24

Right Out: 491.890 ± 60.079 χ^2/NDF : 7774.5/29

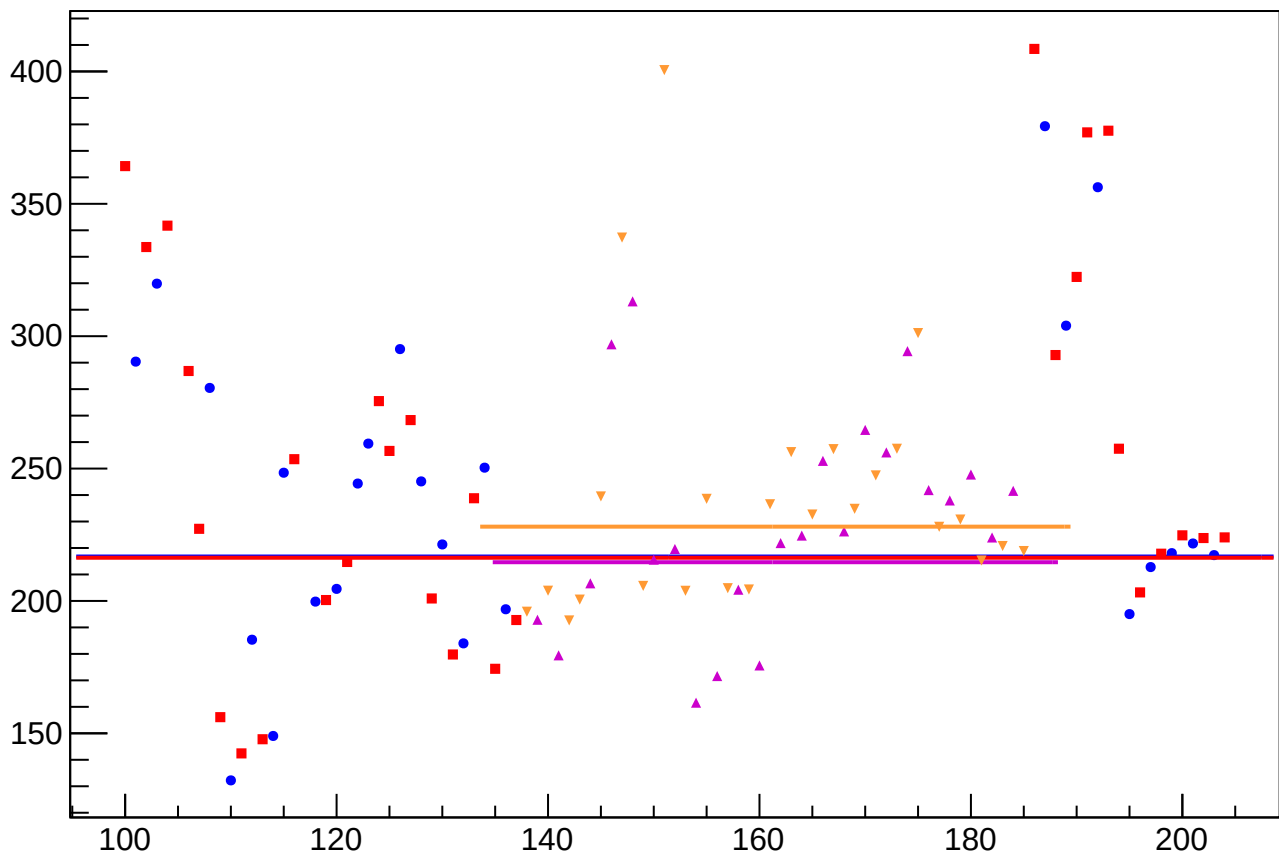
Left In: -349.623 ± 53.094 χ^2/NDF : 981.0/22

+ sign 458.373 ± 41.428 χ^2/NDF : 7854.3/49

All: 230.001 ± 28.695 χ^2/NDF : 16778.3/102

- sign 19.394 ± 39.784 χ^2/NDF : 8865.6/52

asym_bpm0l01WS_rms vs Slug



Right In: 216.780 $\pm$ 0.045 χ^2 /NDF: 1149776.3/24

Left Out: 228.061 $\pm$ 0.038 χ^2 /NDF:826343.8/24

Right Out: 216.321 $\pm$ 0.042 χ^2 /NDF: 1820691.1/29

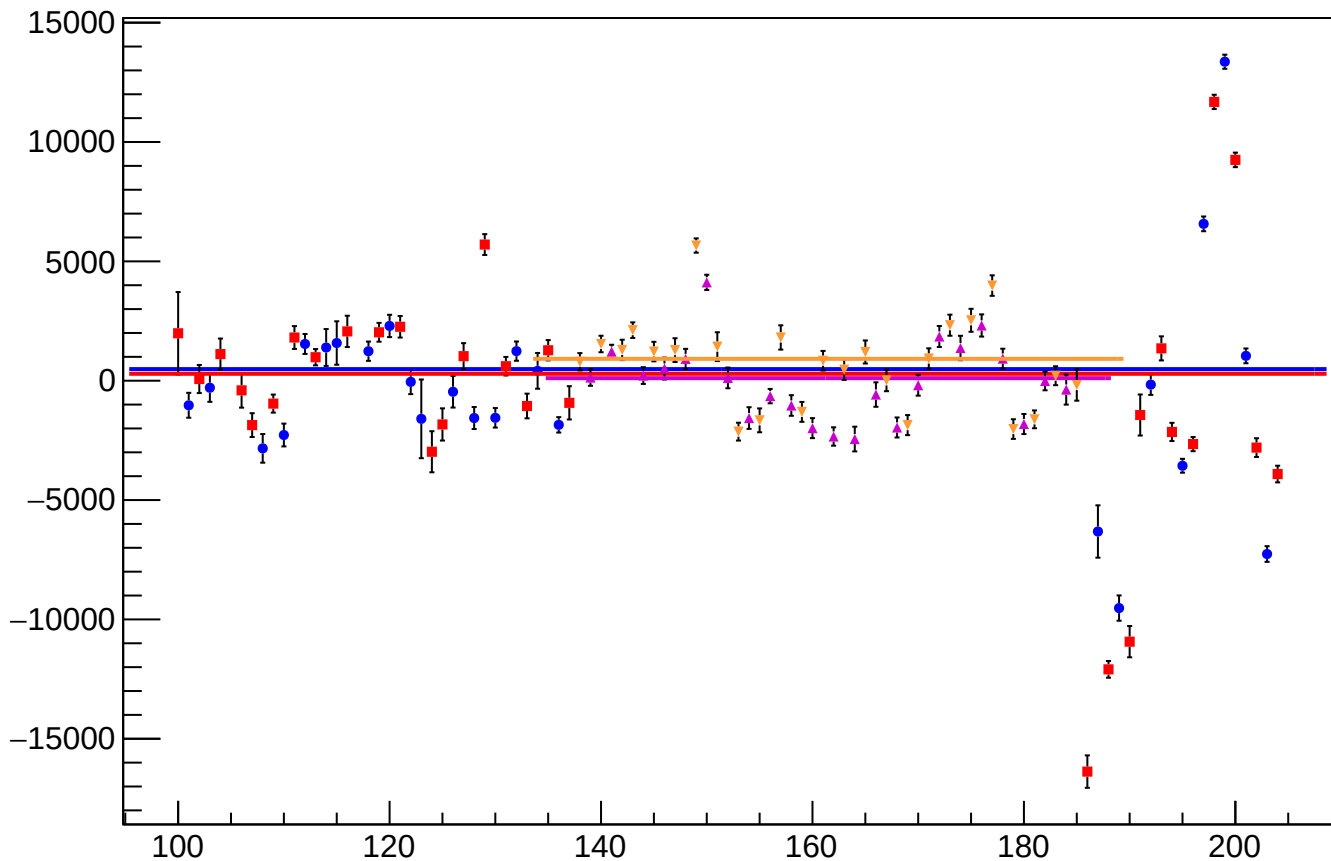
Left In: 214.627 $\pm$ 0.038 χ^2 /NDF:1025683.3/22

+ sign 223.346 $\pm$ 0.029 χ^2 /NDF: 2012197.8/49

All: 219.196 $\pm$ 0.020 χ^2 /NDF: 4898027.1/102

- sign 215.370 $\pm$ 0.028 χ^2 /NDF: 2847267.5/52

asym_bpm0l02WS_mean vs Slug



Right In: 486.133 $\pm$ 87.408 χ^2 /NDF: 3640.6/24

Left Out: 915.968 $\pm$ 83.398 χ^2 /NDF: 618.3/24

Right Out: 290.309 $\pm$ 82.231 χ^2 /NDF: 5098.3/29

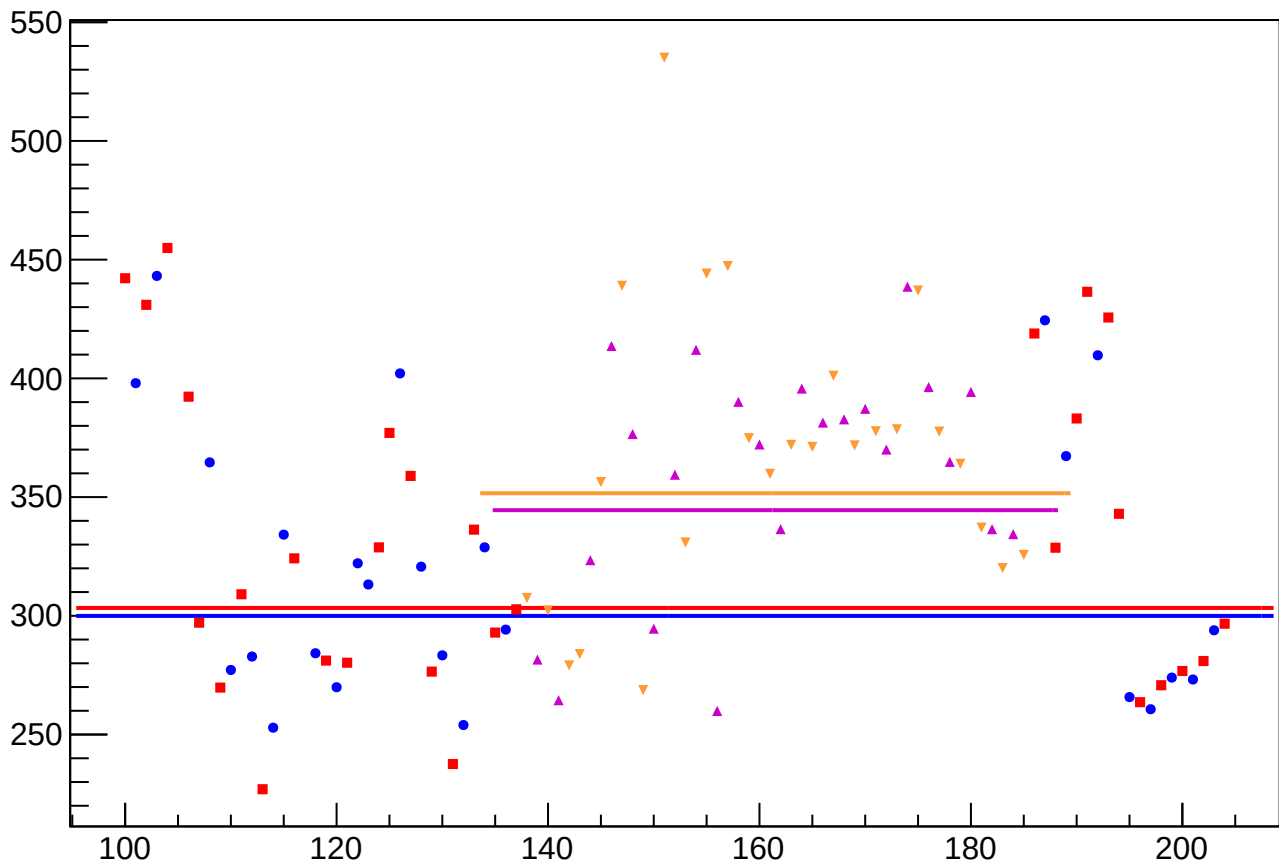
Left In: 106.116 $\pm$ 84.393 χ^2 /NDF: 390.3/22

+ sign 711.135 $\pm$ 60.339 χ^2 /NDF: 4271.5/49

All: 449.689 $\pm$ 42.147 χ^2 /NDF: 9799.2/102

- sign 200.602 $\pm$ 58.896 χ^2 /NDF: 5491.0/52

asym_bpm0l02WS_rms vs Slug



Right In: 299.956 ± 0.062 χ^2/NDF : 608220.1/24

Left Out: 351.633 ± 0.059 χ^2/NDF : 907849.3/24

Right Out: 303.314 ± 0.058 χ^2/NDF : 862918.1/29

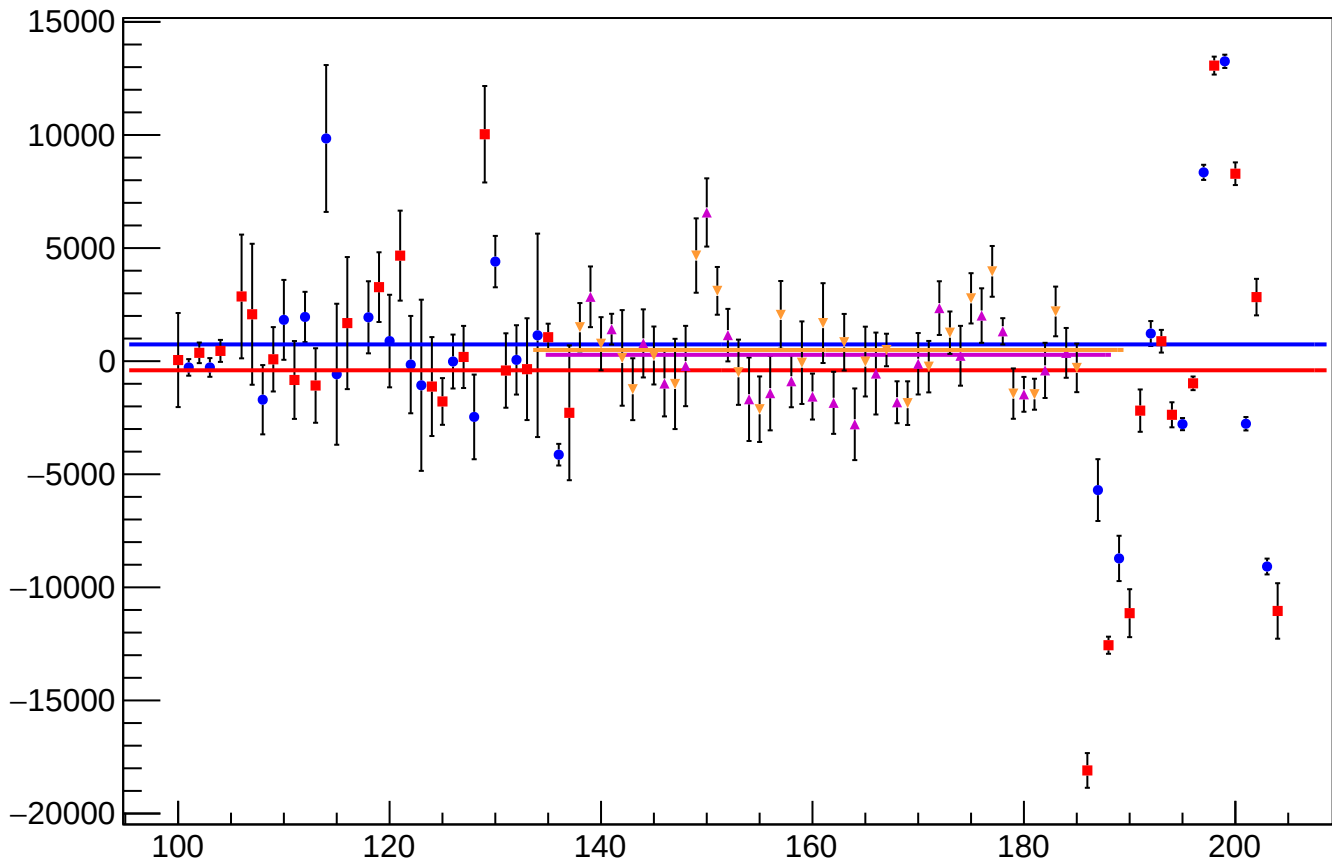
Left In: 344.491 ± 0.060 χ^2/NDF : 768885.4/22

+ sign 327.007 ± 0.043 χ^2/NDF : 1882001.8/49

All: 325.144 ± 0.030 χ^2/NDF : 3761769.8/102

- sign 323.368 ± 0.042 χ^2/NDF : 1876043.1/52

asym_bpm0l03WS_mean vs Slug



Right In: 740.887 $\pm$ 110.946 χ^2 /NDF: 3683.5/24

Left Out: 495.014 $\pm$ 231.058 χ^2 /NDF:56.2/24

Right Out: -403.268 $\pm$ 130.870 χ^2 /NDF: 3293.9/29

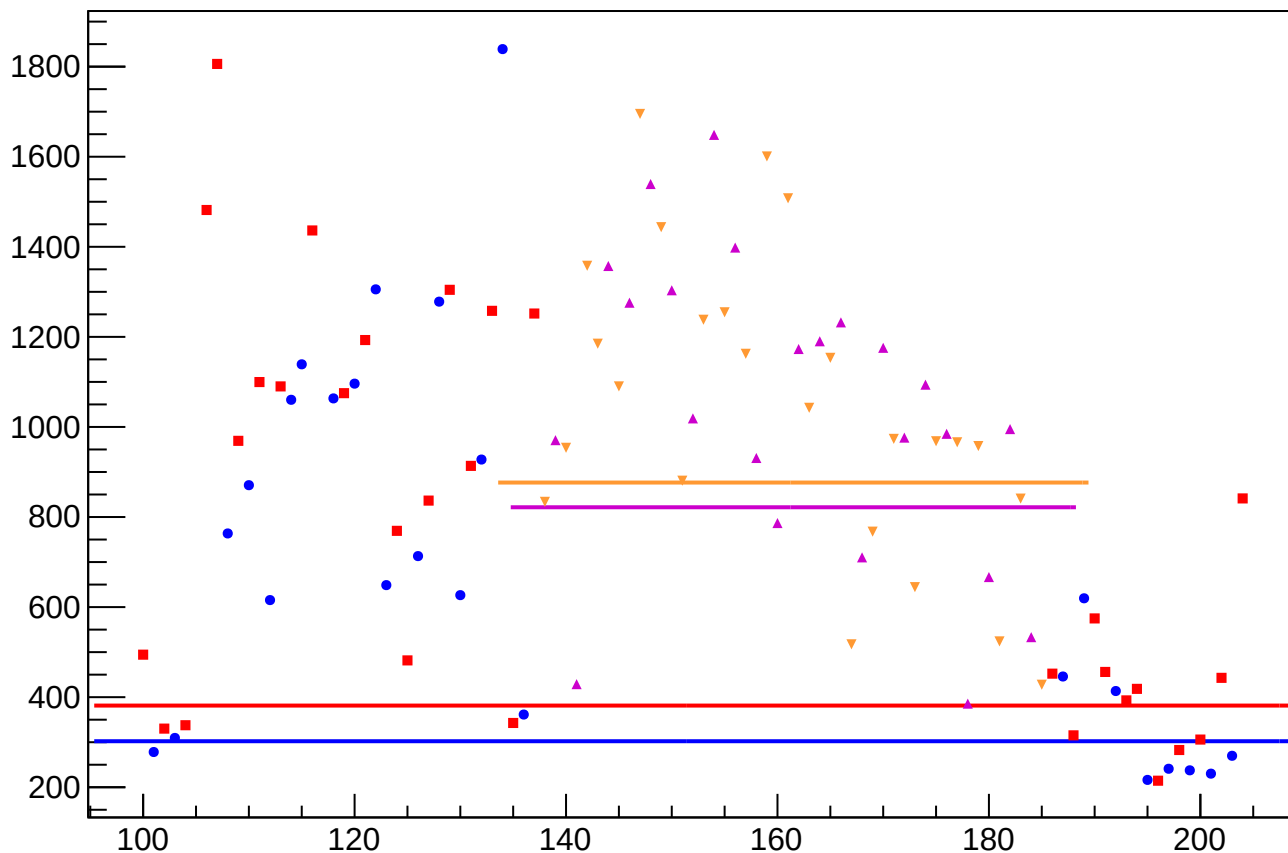
Left In: 280.692 $\pm$ 232.048 χ^2 /NDF:57.2/22

+ sign 694.820 $\pm$ 100.014 χ^2 /NDF: 3740.6/49

All: 288.981 $\pm$ 75.179 χ^2 /NDF: 7136.2/102

- sign -238.217 $\pm$ 113.991 χ^2 /NDF: 3357.7/52

asym_bpm0l03WS_rms vs Slug



Right In: 302.196+/-0.078 χ^2/NDF : 4367778.6/24

Left Out: 876.560+/-0.163 χ^2/NDF : 3434698.7/24

Right Out: 381.356+/-0.093 χ^2/NDF : 5457544.4/29

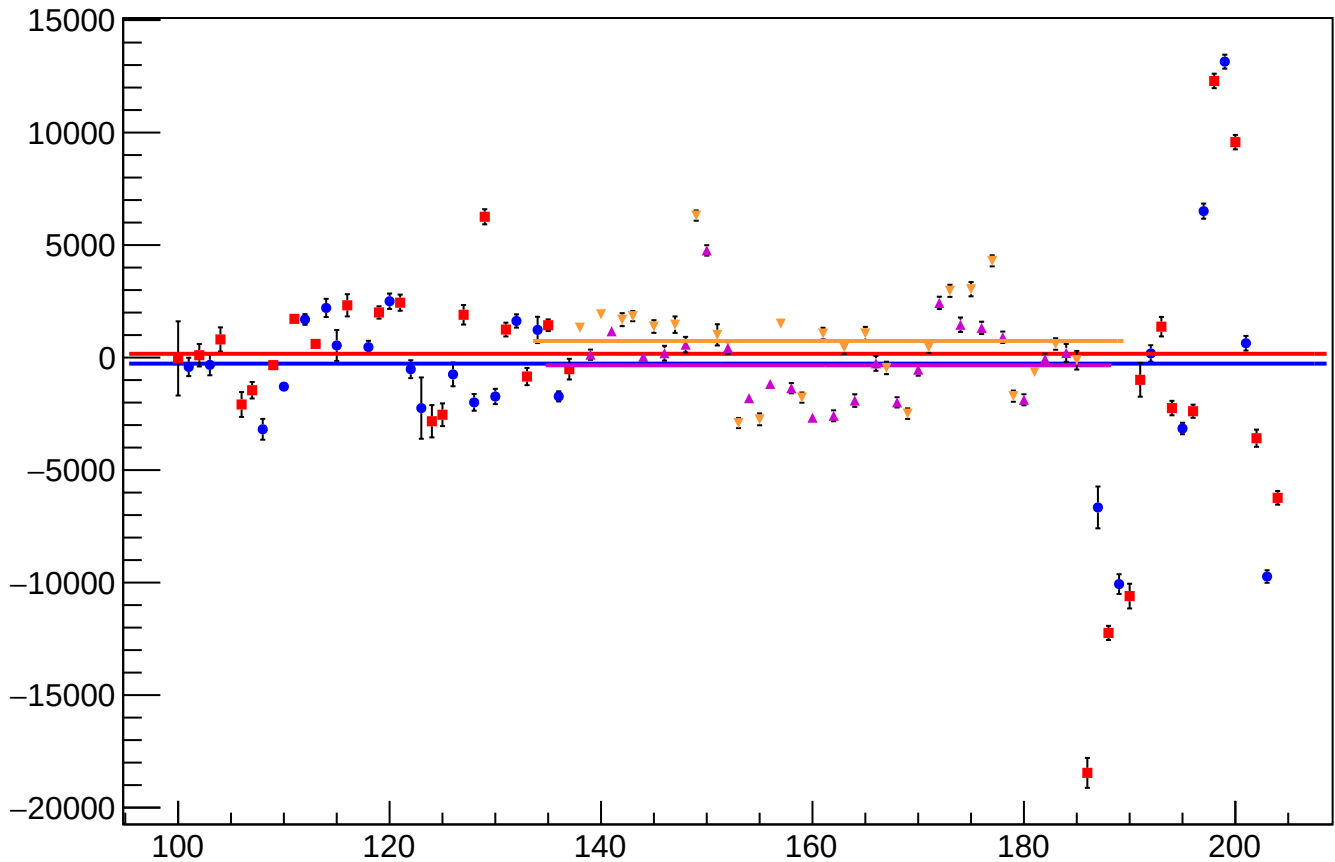
Left In: 821.657+/-0.164 χ^2/NDF : 4443094.2/22

+ sign 409.809+/-0.071 χ^2/NDF : 17845409.9/49

All: 443.649+/-0.053 χ^2/NDF : 33735523.2/10

- sign 487.607+/-0.081 χ^2/NDF : 15363721.4/52

asym_bpm0l04WS_mean vs Slug



Right In: -269.096 ± 67.814 χ^2/NDF : 4490.4/24

Left Out: 738.847 ± 51.649 χ^2/NDF : 1935.2/24

Right Out: 168.175 ± 62.197 χ^2/NDF : 6323.6/29

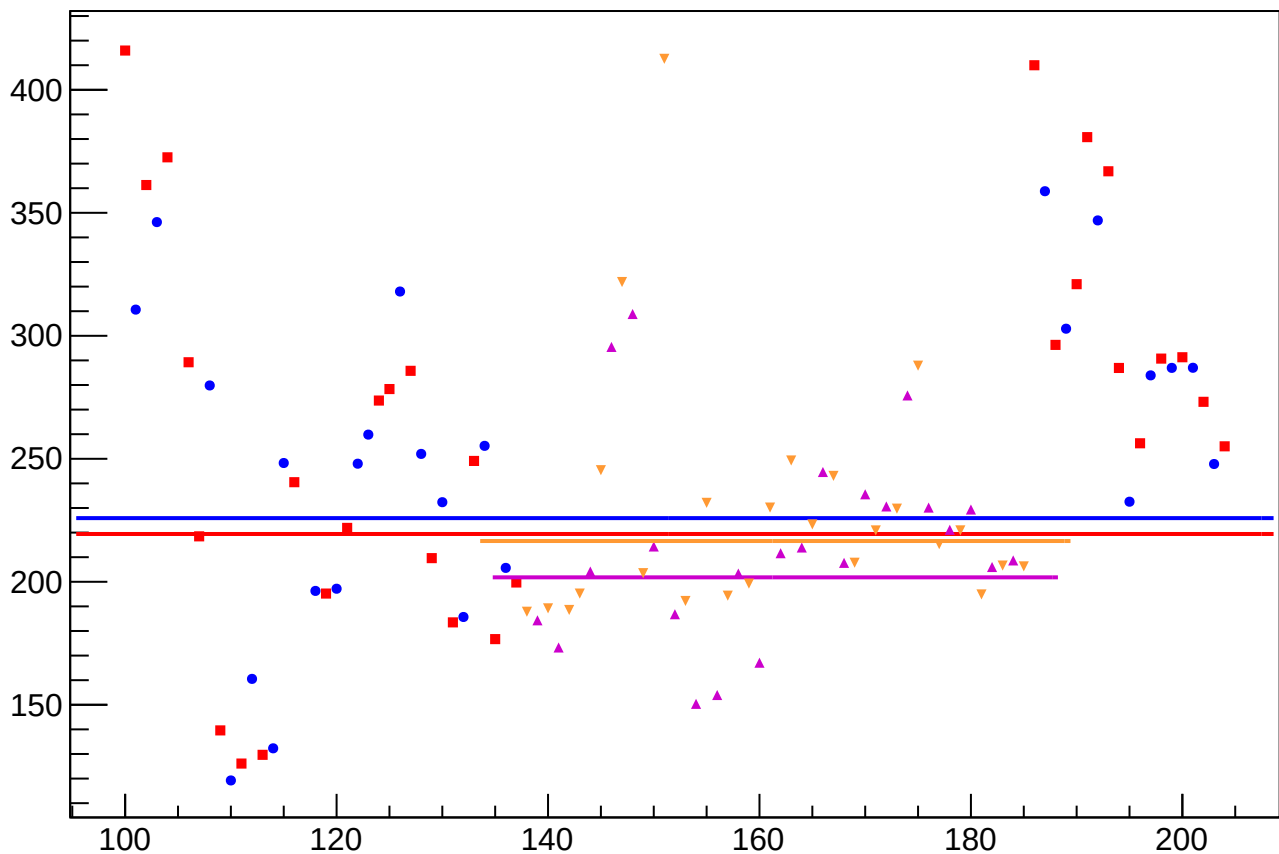
Left In: -342.465 ± 50.044 χ^2/NDF : 1254.9/22

+ sign 368.812 ± 41.089 χ^2/NDF : 6565.4/49

All: 100.138 ± 28.283 χ^2/NDF : 14266.0/102

- sign -141.793 ± 38.990 χ^2/NDF : 7619.4/52

asym_bpm0l04WS_rms vs Slug



Right In: 225.884 $\pm$ 0.048 χ^2 /NDF: 1769169.1/24

Left Out: 216.574 $\pm$ 0.037 χ^2 /NDF: 886214.1/24

Right Out: 219.432 $\pm$ 0.044 χ^2 /NDF: 2832261.1/29

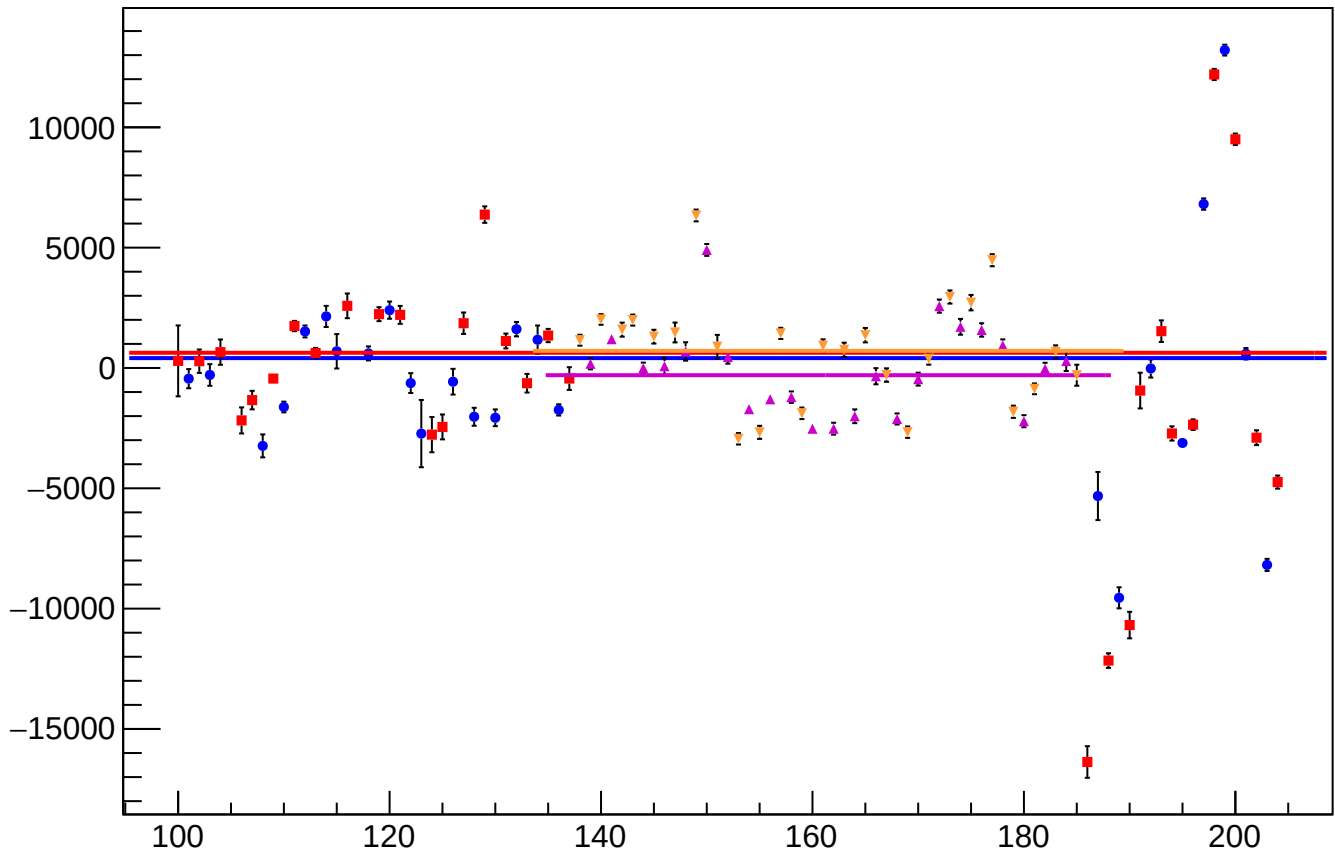
Left In: 201.805 $\pm$ 0.035 χ^2 /NDF: 1087243.4/22

+ sign 219.992 $\pm$ 0.029 χ^2 /NDF: 2679239.7/49

All: 214.067 $\pm$ 0.020 χ^2 /NDF: 6775279.7/102

- sign 208.732 $\pm$ 0.028 χ^2 /NDF: 4017015.1/52

asym_bpm0l05WS_mean vs Slug



Right In: 409.488 $\pm$ 64.111 χ^2 /NDF: 6380.9/24

Left Out: 711.174 $\pm$ 53.245 χ^2 /NDF:1835.3/24

Right Out: 631.822 $\pm$ 59.979 χ^2 /NDF: 8122.4/29

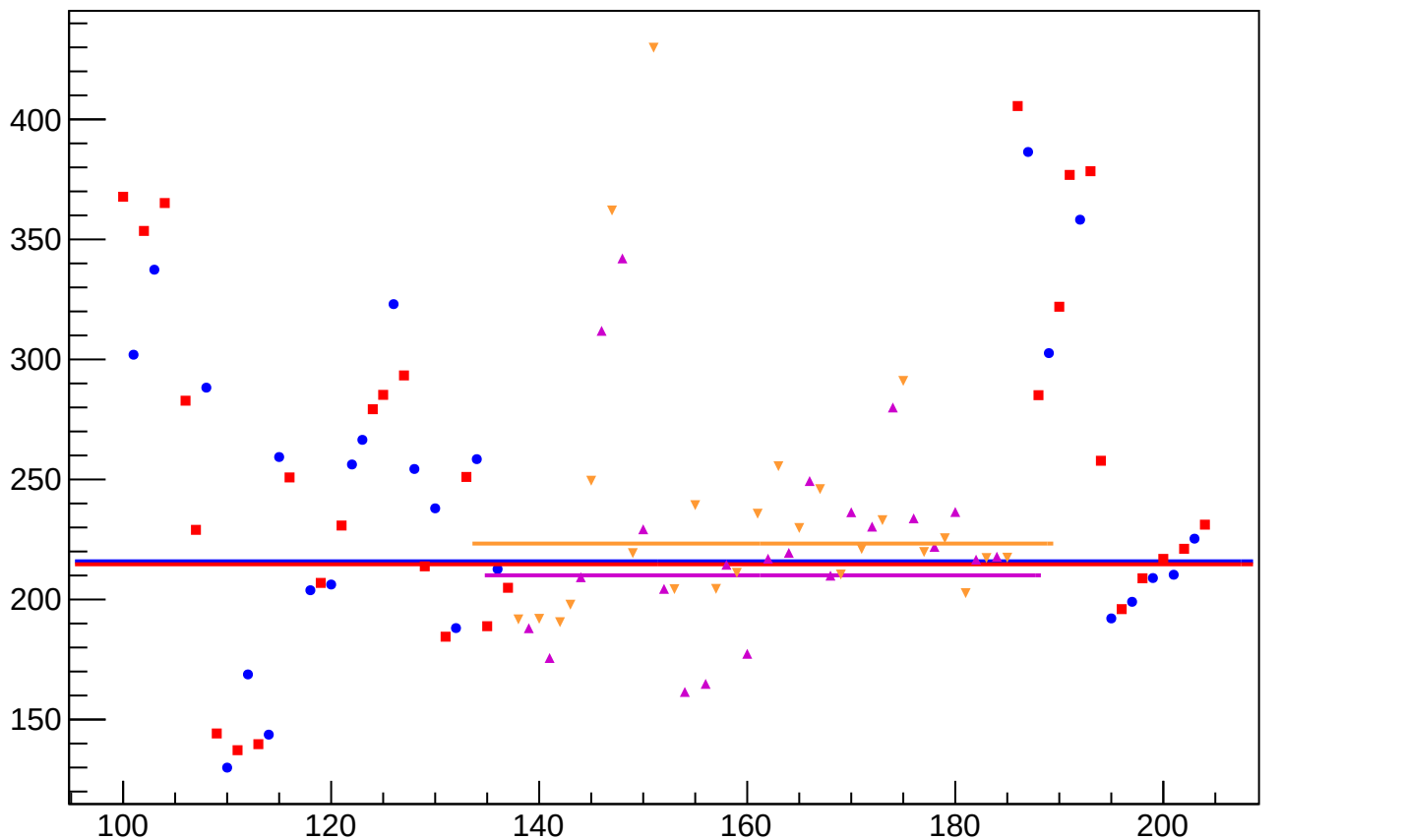
Left In: -300.516 $\pm$ 51.984 χ^2 /NDF:1208.6/22

+ sign 588.026 $\pm$ 40.961 χ^2 /NDF: 8229.4/49

All: 333.509 $\pm$ 28.352 χ^2 /NDF: 17772.5/102

- sign 99.414 $\pm$ 39.283 χ^2 /NDF: 9469.0/52

asym_bpm0l05WS_rms vs Slug



Right In: 215.905 ± 0.045 $\chi^2/\text{NDF}: 1344073.0/24$

Left Out: 223.296 ± 0.038 $\chi^2/\text{NDF}: 922768.4/24$

Right Out: 214.665 ± 0.042 $\chi^2/\text{NDF}: 2093515.9/29$

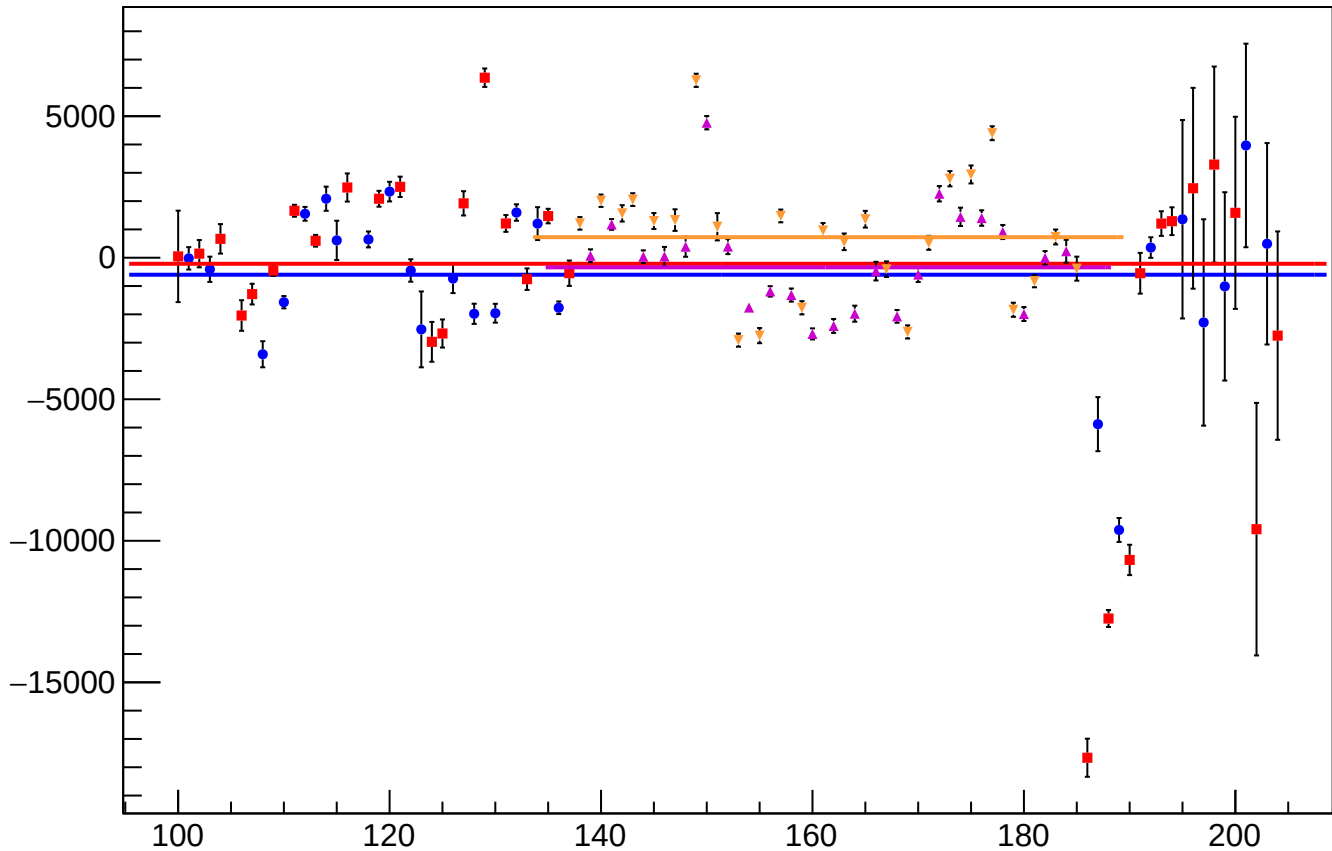
Left In: 210.080 ± 0.037 $\chi^2/\text{NDF}: 1015274.5/22$

+ sign 220.279 ± 0.029 $\chi^2/\text{NDF}: 2282575.2/49$

All: 215.991 ± 0.020 $\chi^2/\text{NDF}: 5440121.1/102$

- sign 212.047 ± 0.028 $\chi^2/\text{NDF}: 3115465.8/52$

asym_bpm0l06WS_mean vs Slug



Right In: -600.683 ± 79.099 χ^2/NDF : 893.8/24

Left Out: 725.866 ± 52.158 χ^2/NDF : 1912.7/24

Right Out: -213.470 ± 69.996 χ^2/NDF : 3638.4/29

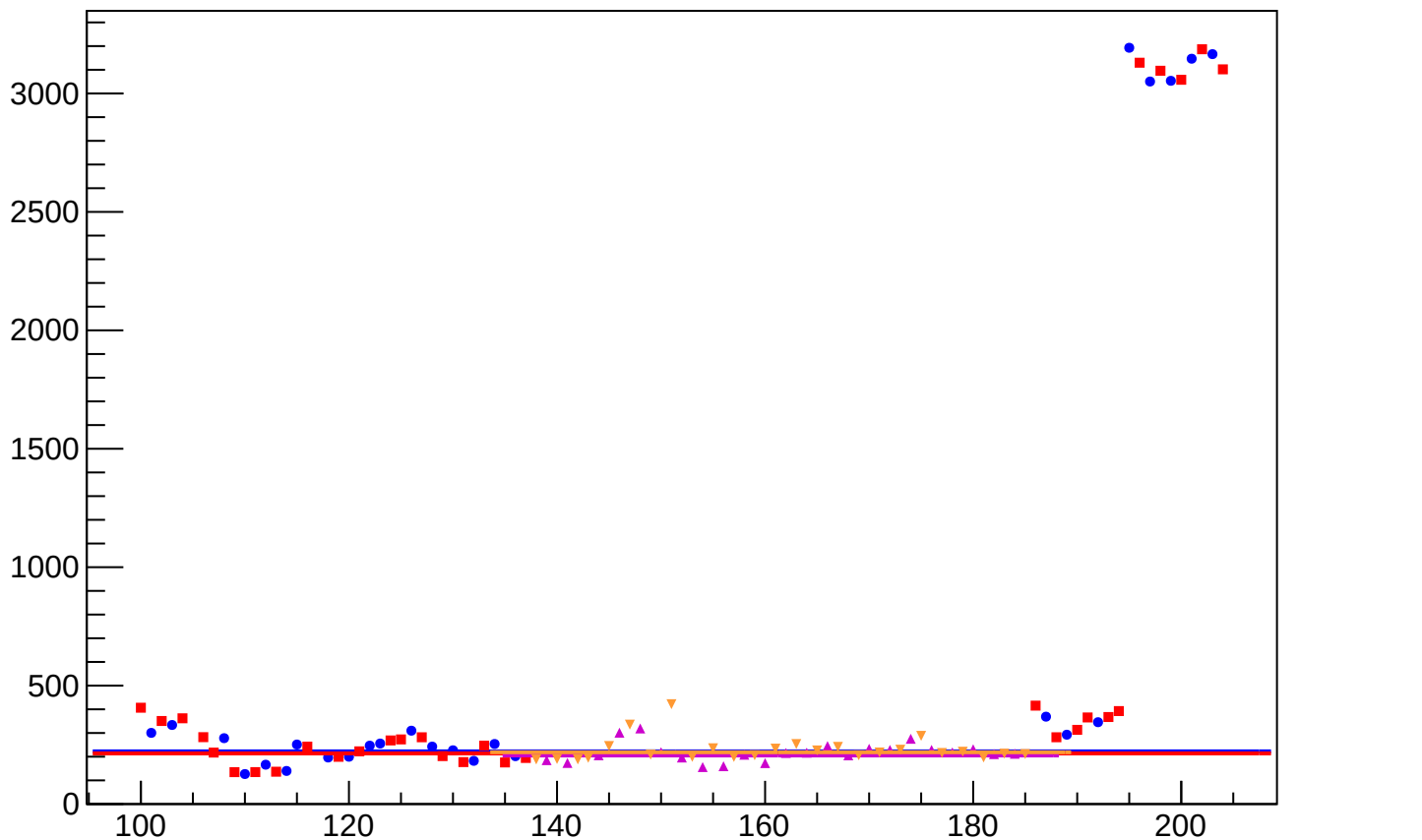
Left In: -340.502 ± 50.802 χ^2/NDF : 1201.8/22

+ sign 323.861 ± 43.544 χ^2/NDF : 3002.6/49

All: -4.197 ± 29.894 χ^2/NDF : 7952.3/102

- sign -296.673 ± 41.115 χ^2/NDF : 4842.4/52

asym_bpm0l06WS_rms vs Slug



Right In: 222.493+/-0.056 χ^2/NDF : 8074244.2/24

Left Out: 218.768+/-0.037 χ^2/NDF : 896914.5/24

Right Out: 213.874+/-0.049 χ^2/NDF : 8691823.8/29

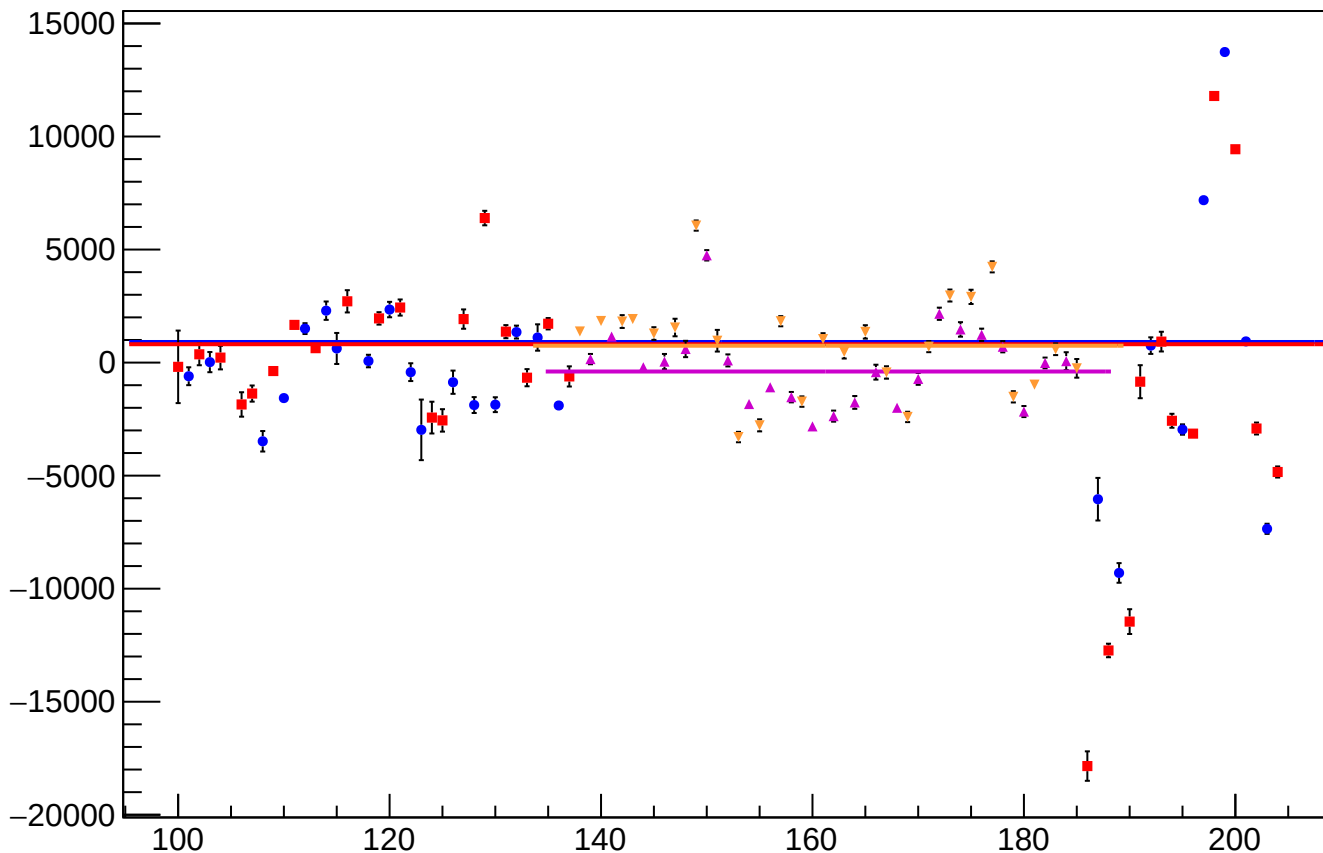
Left In: 205.249+/-0.036 χ^2/NDF : 997168.8/22

+ sign 219.897+/-0.031 χ^2/NDF : 8974249.9/49

All: 213.726+/-0.021 χ^2/NDF : 18759109.9/10

- sign 208.225+/-0.029 χ^2/NDF : 9708883.8/52

asym_bpm0l07WS_mean vs Slug



Right In: 911.272 ± 60.180 χ^2/NDF : 8219.5/24

Left Out: 746.405 ± 51.592 χ^2/NDF : 1942.1/24

Right Out: 813.335 ± 56.134 χ^2/NDF : 9832.2/29

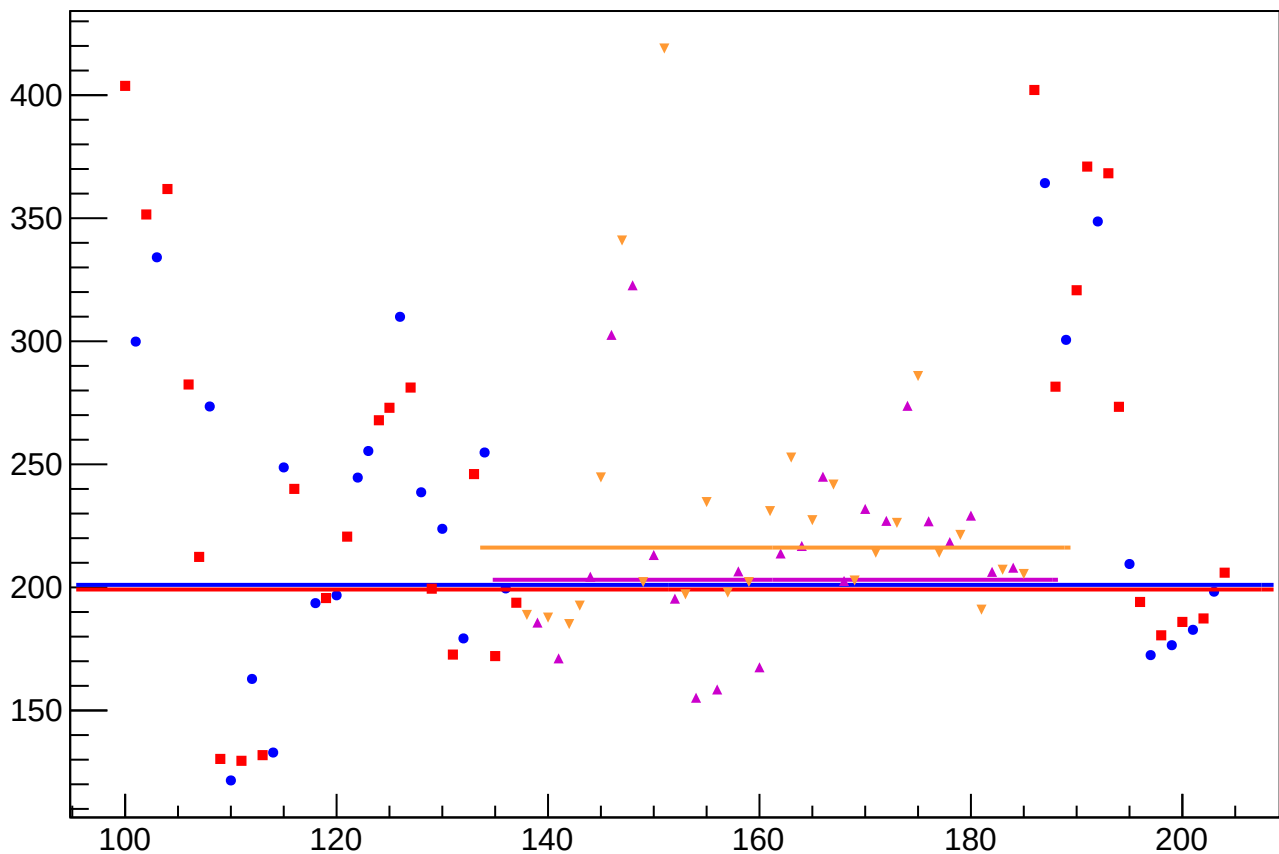
Left In: -394.379 ± 50.311 χ^2/NDF : 1236.4/22

+ sign 816.245 ± 39.168 χ^2/NDF : 10165.9/49

All: 464.990 ± 27.074 χ^2/NDF : 21645.2/102

- sign 143.616 ± 37.465 χ^2/NDF : 11325.3/52

asym_bpm0l07WS_rms vs Slug



Right In: 201.029+/-0.043 χ^2/NDF : 1518641.5/24

Left Out: 216.178+/-0.036 χ^2/NDF : 946050.8/24

Right Out: 199.145+/-0.040 χ^2/NDF : 2438205.3/29

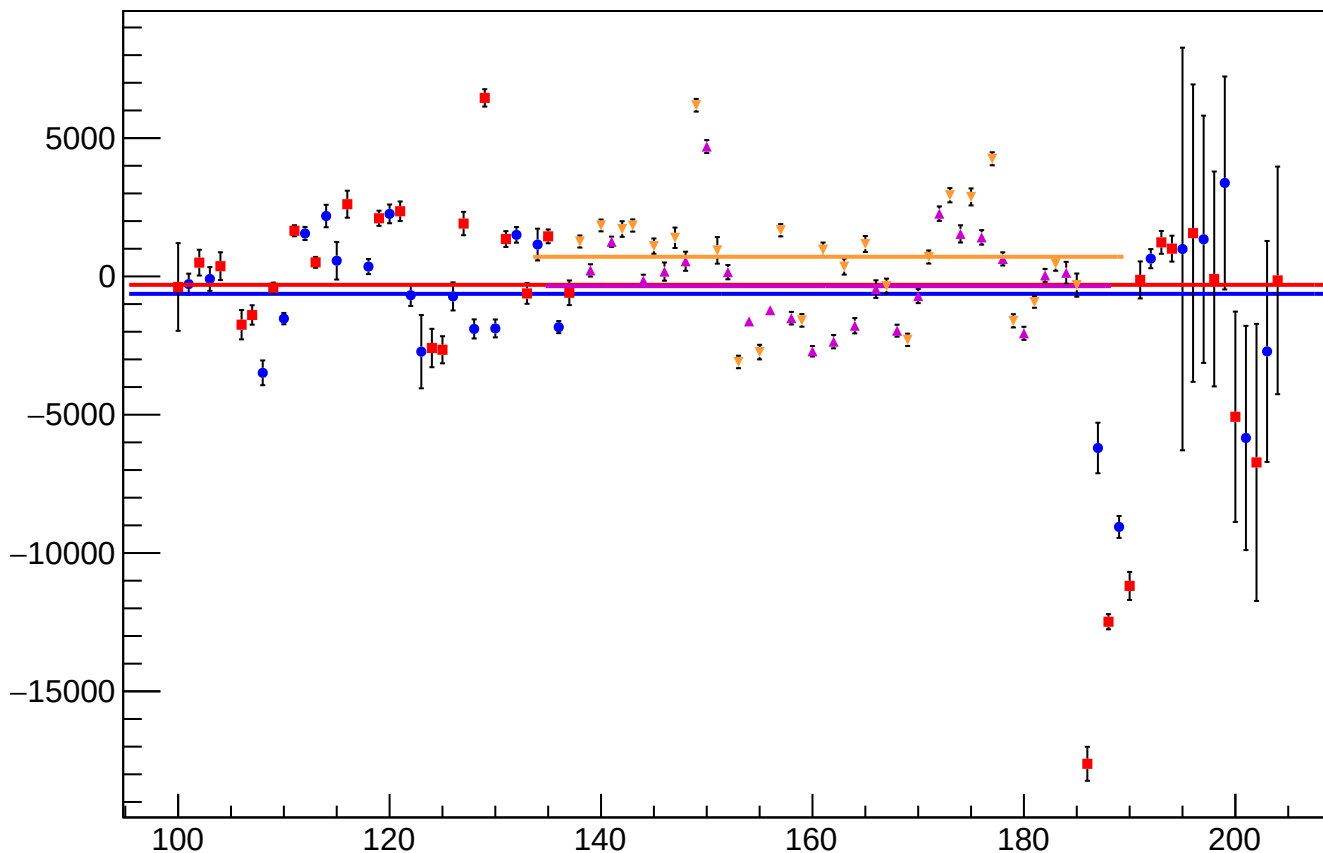
Left In: 203.101+/-0.036 χ^2/NDF : 1038013.0/22

+ sign 209.761+/-0.028 χ^2/NDF : 2537740.7/49

All: 205.363+/-0.019 χ^2/NDF : 6067749.6/102

- sign 201.339+/-0.026 χ^2/NDF : 3481724.9/52

asym_bpm0l08WS_mean vs Slug



Right In: -630.177 ± 76.462 χ^2/NDF : 917.9/24

Left Out: 710.238 ± 50.750 χ^2/NDF : 1932.3/24

Right Out: -305.005 ± 67.132 χ^2/NDF : 4164.5/29

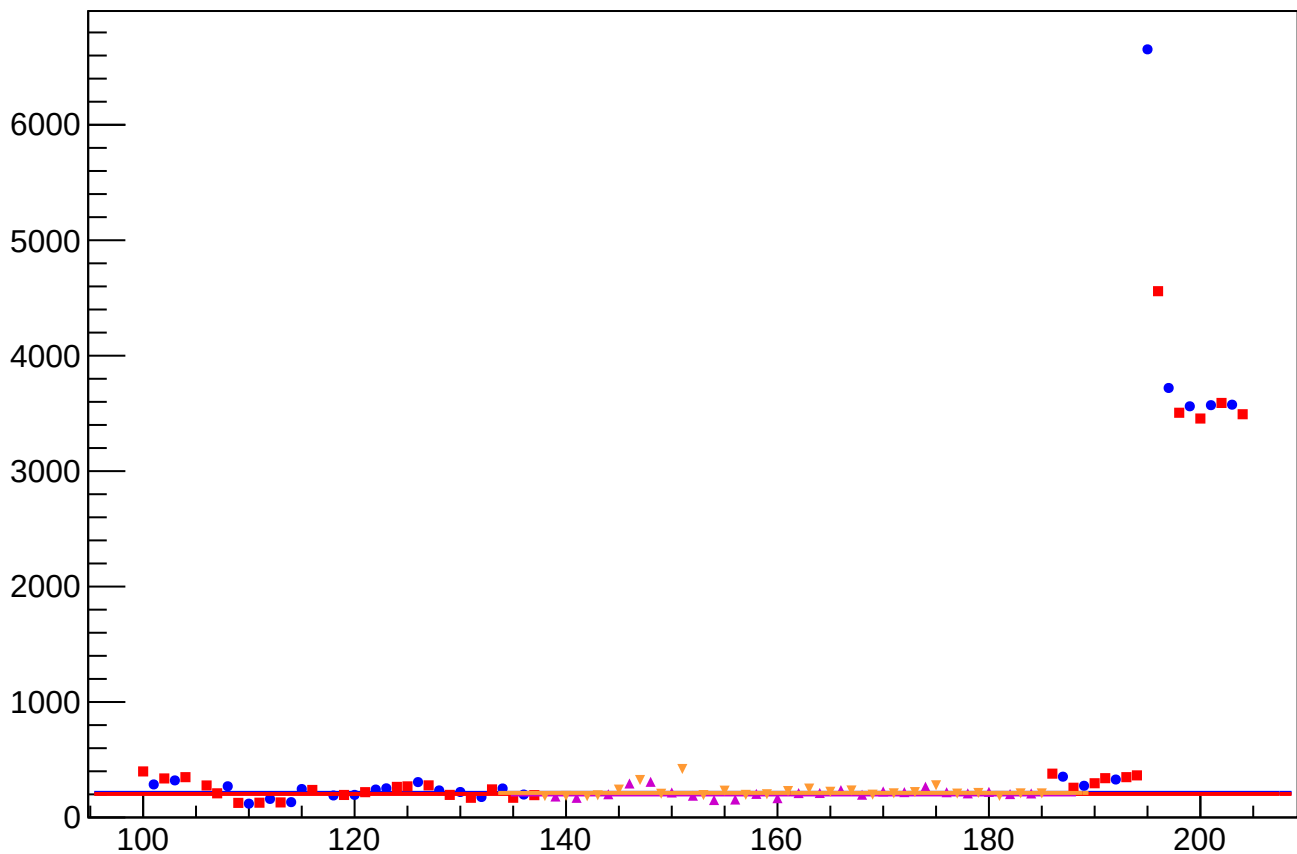
Left In: -352.432 ± 49.316 χ^2/NDF : 1233.1/22

+ sign 300.312 ± 42.284 χ^2/NDF : 3063.5/49

All: -37.423 ± 28.960 χ^2/NDF : 8581.6/102

- sign -335.809 ± 39.744 χ^2/NDF : 5397.9/52

asym_bpm0l08WS_rms vs Slug



Right In: 213.085 $\pm$ 0.054 χ^2 /NDF: 8407990.0/24

Left Out: 212.718 $\pm$ 0.036 χ^2 /NDF: 916225.9/24

Right Out: 203.651 $\pm$ 0.047 χ^2 /NDF: 8829807.4/29

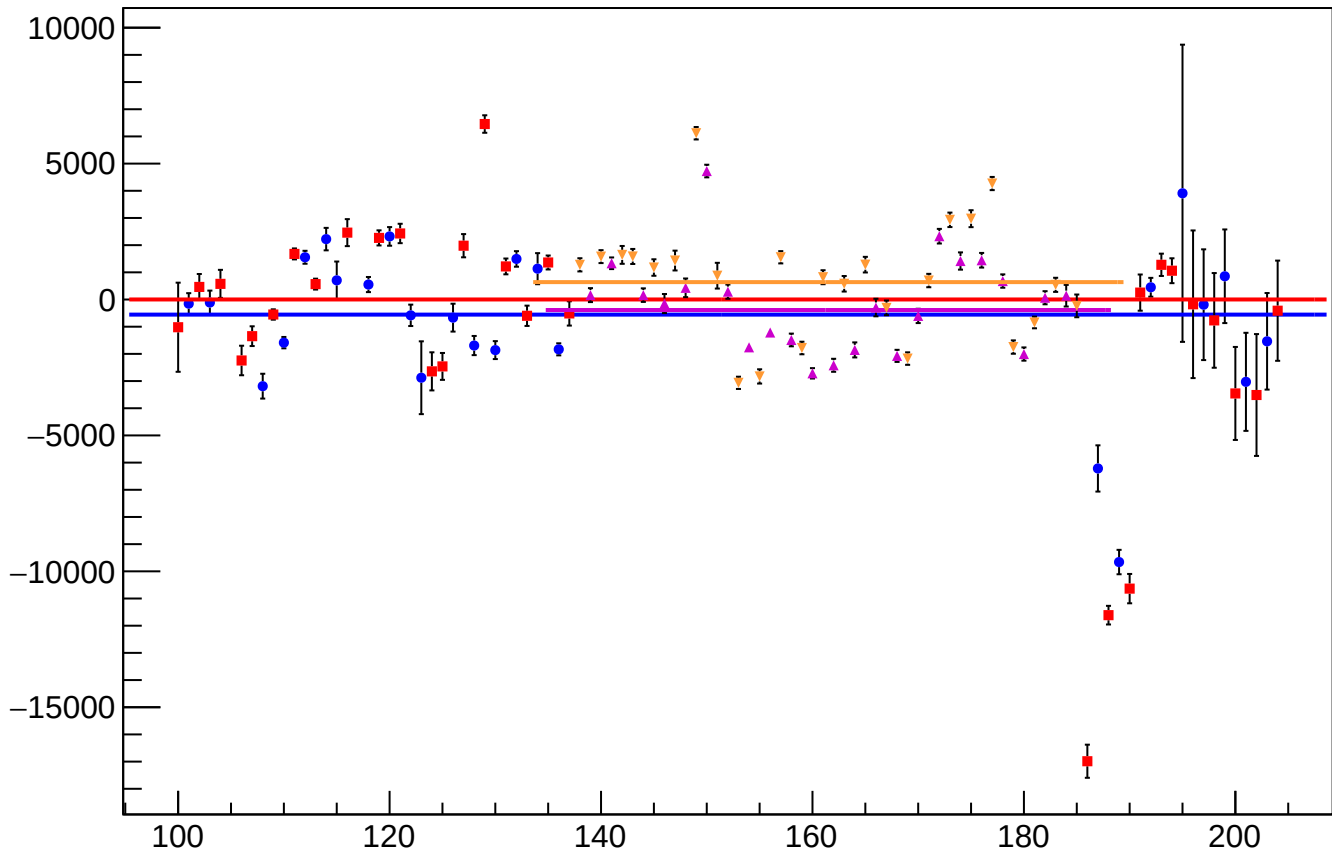
Left In: 199.142 $\pm$ 0.035 χ^2 /NDF: 985932.4/22

+ sign 212.830 $\pm$ 0.030 χ^2 /NDF: 9324247.8/49

All: 206.402 $\pm$ 0.020 χ^2 /NDF: 19232915.6/10

- sign 200.723 $\pm$ 0.028 χ^2 /NDF: 9821600.6/52

asym_bpm0l09WS_mean vs Slug



Right In: -555.541 ± 77.584 χ^2/NDF : 862.5/24

Left Out: 639.995 ± 52.708 χ^2/NDF : 1859.2/24

Right Out: 1.797 ± 68.894 χ^2/NDF : 3102.7/29

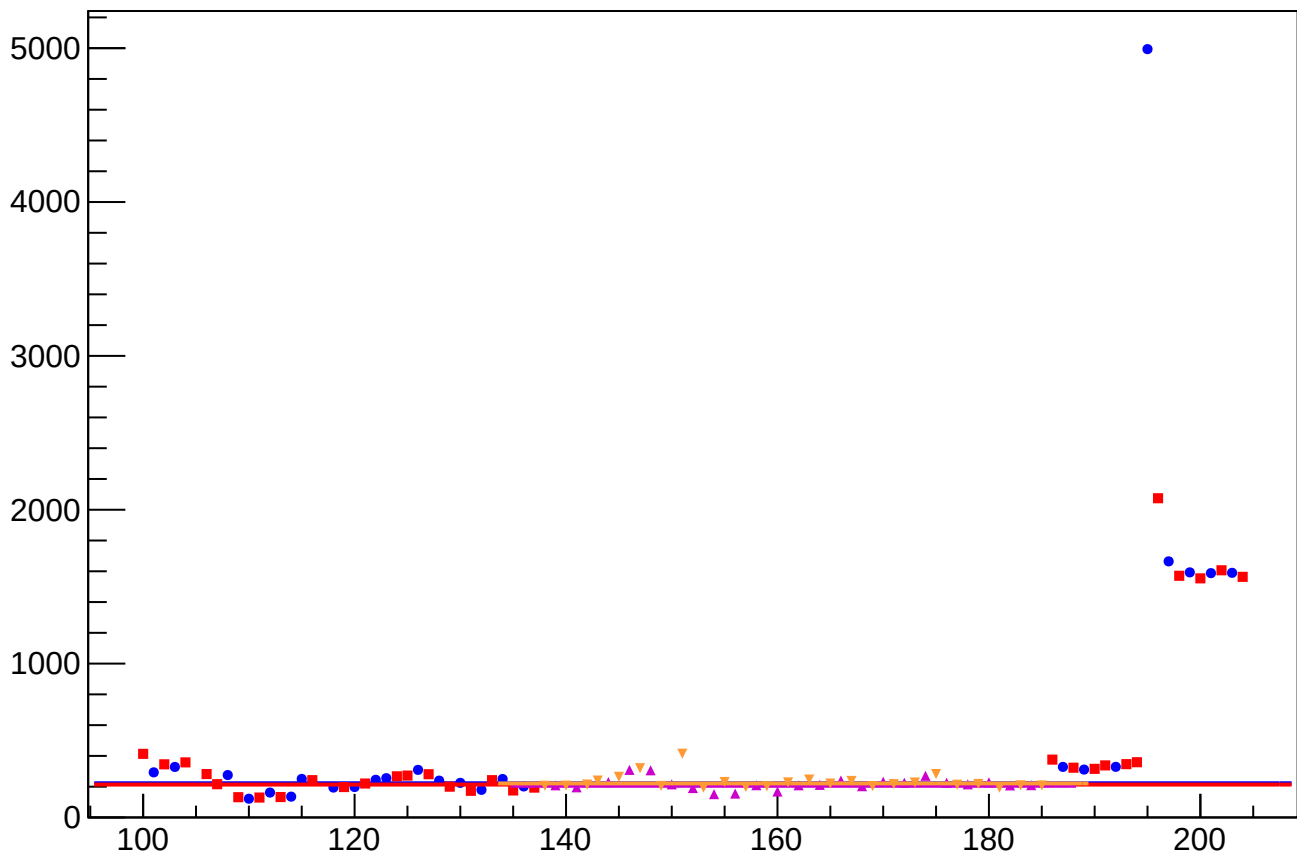
Left In: -386.248 ± 50.994 χ^2/NDF : 1238.0/22

+ sign 262.452 ± 43.599 χ^2/NDF : 2884.2/49

All: -8.996 ± 29.863 χ^2/NDF : 7318.5/102

- sign -248.900 ± 40.987 χ^2/NDF : 4361.3/52

asym_bpm0l09WS_rms vs Slug



Right In: 222.239 $\pm$ 0.055 χ^2 /NDF: 7485918.9/24

Left Out: 221.398 $\pm$ 0.037 χ^2 /NDF: 777833.8/24

Right Out: 213.748 $\pm$ 0.049 χ^2 /NDF: 7750096.0/29

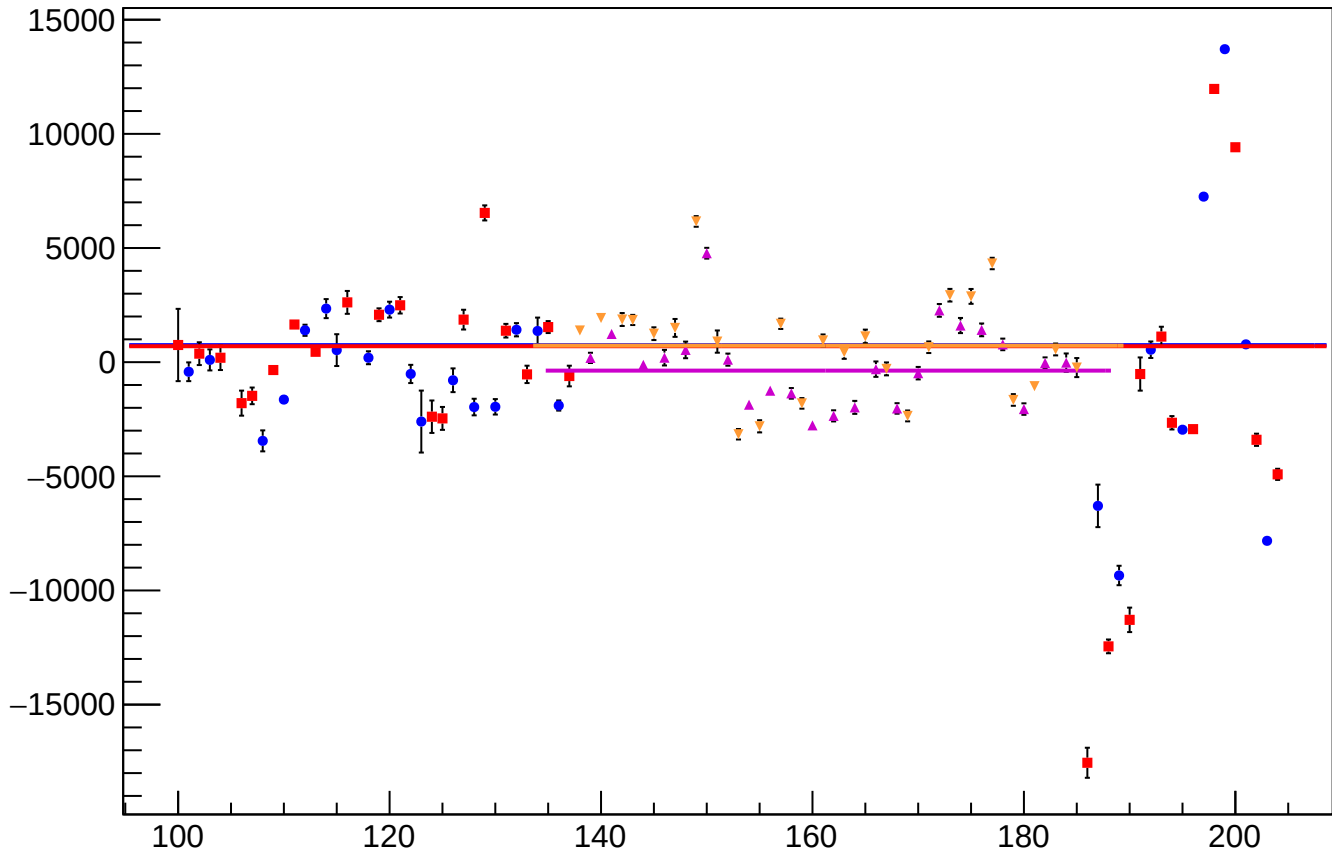
Left In: 205.803 $\pm$ 0.036 χ^2 /NDF: 994903.5/22

+ sign 221.664 $\pm$ 0.031 χ^2 /NDF: 8263913.4/49

All: 214.737 $\pm$ 0.021 χ^2 /NDF: 17121189.5/10

- sign 208.615 $\pm$ 0.029 χ^2 /NDF: 8762180.9/52

asym_bpm0l10WS_mean vs Slug



Right In: 745.901 $\pm$ 60.862 χ^2 /NDF: 8232.8/24

Left Out: 725.250 $\pm$ 52.307 χ^2 /NDF:1883.1/24

Right Out: 697.733 $\pm$ 57.044 χ^2 /NDF: 9513.9/29

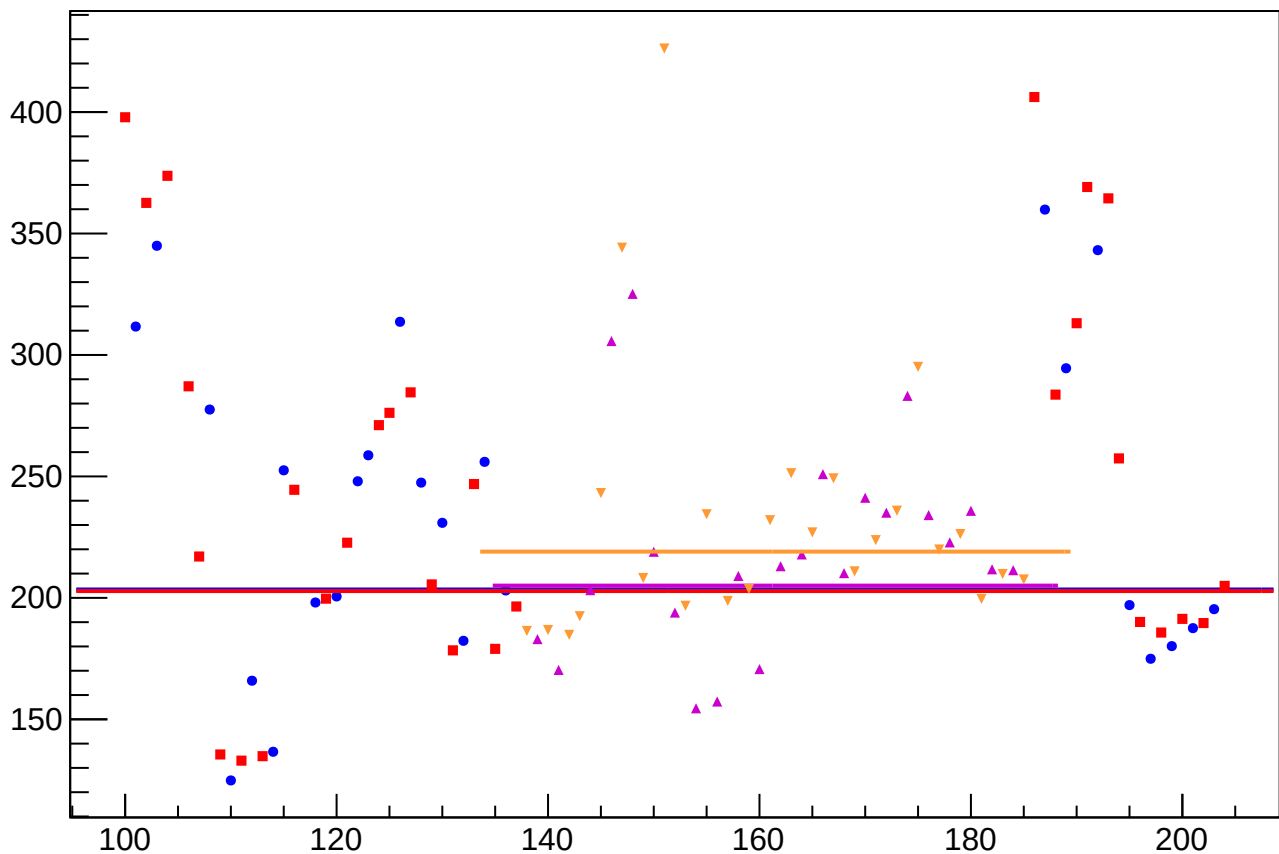
Left In: -370.408 $\pm$ 50.884 χ^2 /NDF:1223.2/22

+ sign 734.023 $\pm$ 39.669 χ^2 /NDF: 10116.0/49

All: 404.674 $\pm$ 27.431 χ^2 /NDF: 21180.4/102

- sign 102.902 $\pm$ 37.972 χ^2 /NDF: 10932.4/52

asym_bpm0l10WS_rms vs Slug



Right In: 203.451 $\pm$ 0.043 χ^2 /NDF: 1472253.1/24

Left Out: 219.049 $\pm$ 0.037 χ^2 /NDF: 975564.4/24

Right Out: 202.809 $\pm$ 0.040 χ^2 /NDF: 2287124.4/29

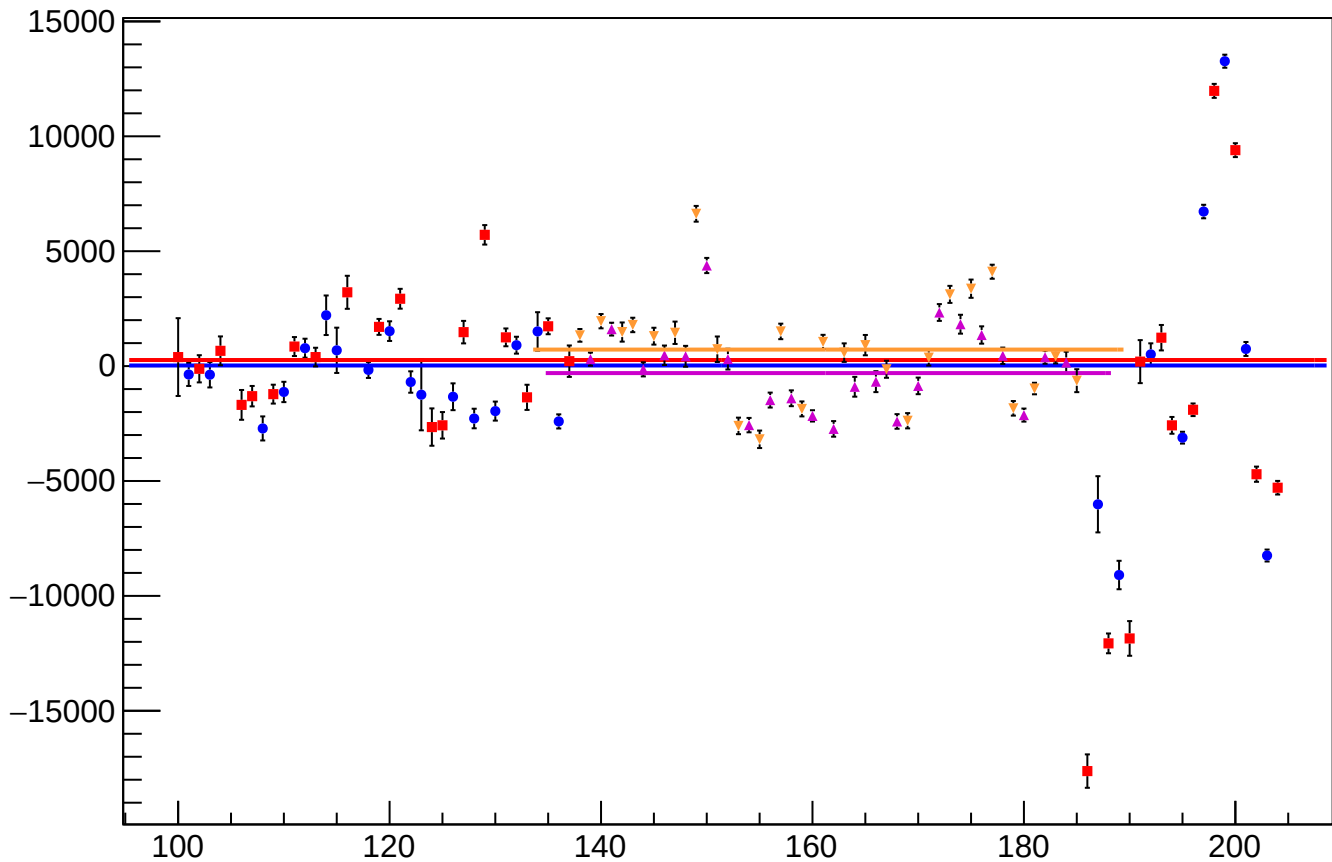
Left In: 205.046 $\pm$ 0.036 χ^2 /NDF: 1144197.1/22

+ sign 212.422 $\pm$ 0.028 χ^2 /NDF: 2523373.2/49

All: 208.056 $\pm$ 0.019 χ^2 /NDF: 6002835.8/102

- sign 204.055 $\pm$ 0.027 χ^2 /NDF: 3433034.5/52

asym_bpm0r03WS_mean vs Slug



Right In: 26.489 ± 81.941 $\chi^2/\text{NDF}: 4281.7/24$

Left Out: 718.705 ± 69.601 $\chi^2/\text{NDF}: 1018.5/24$

Right Out: 264.605 ± 79.596 $\chi^2/\text{NDF}: 5131.0/29$

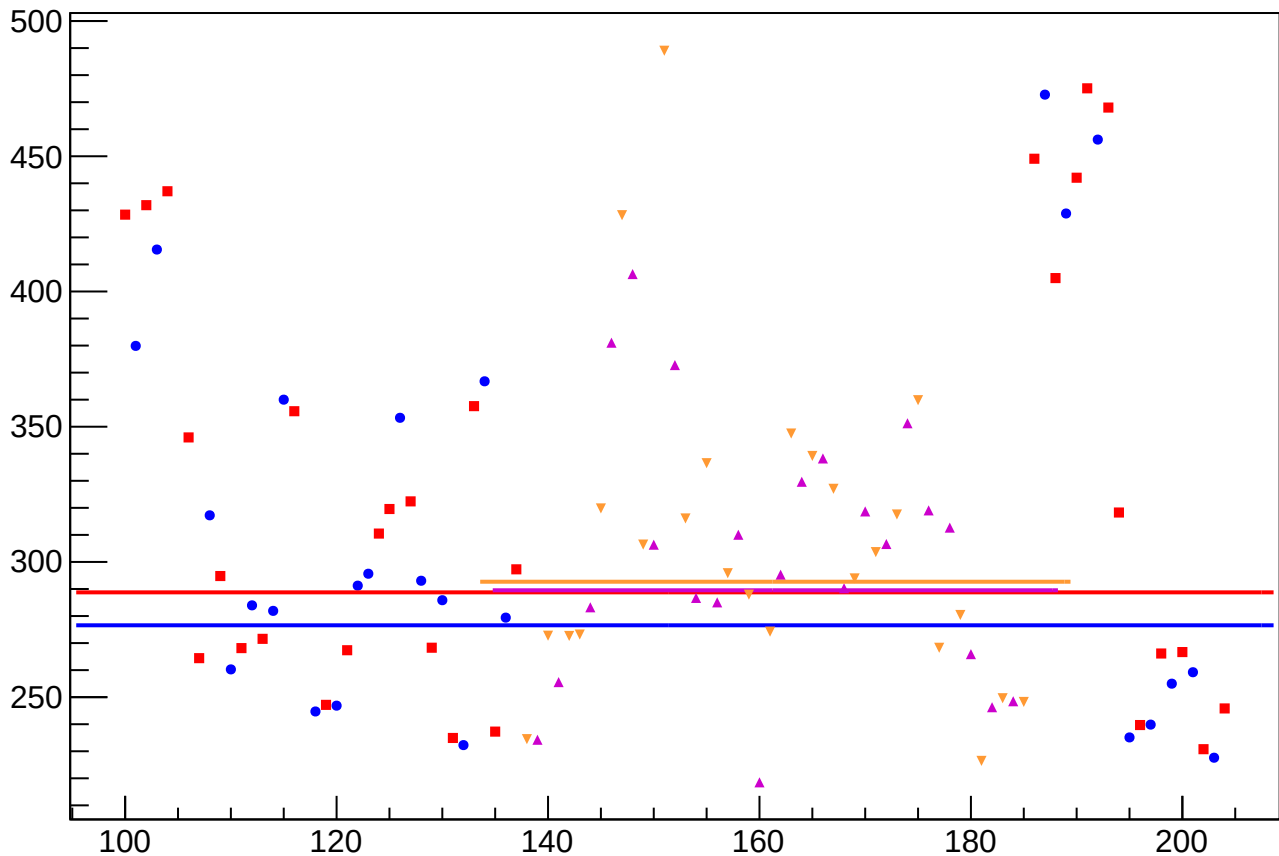
Left In: -304.161 ± 70.958 $\chi^2/\text{NDF}: 643.5/22$

+ sign 428.595 ± 53.047 $\chi^2/\text{NDF}: 5341.7/49$

All: 187.778 ± 37.481 $\chi^2/\text{NDF}: 11185.8/102$

- sign -52.305 ± 52.966 $\chi^2/\text{NDF}: 5802.9/52$

asym_bpm0r03WS_rms vs Slug



Right In: 276.577 $\pm$ 0.058 χ^2 /NDF: 985534.6/24

Left Out: 292.686 $\pm$ 0.049 χ^2 /NDF: 925193.6/24

Right Out: 288.754 $\pm$ 0.056 χ^2 /NDF: 1276059.8/29

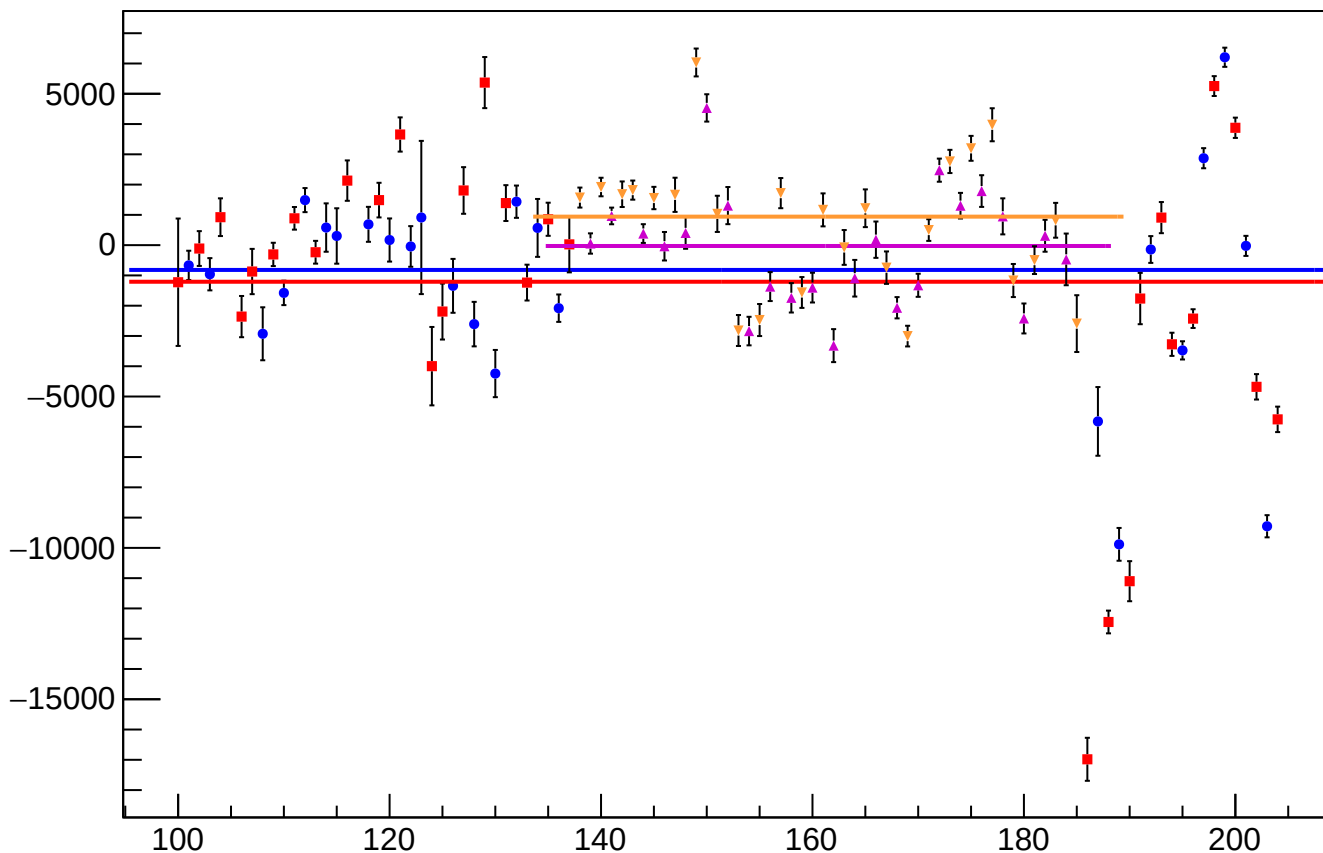
Left In: 289.522 $\pm$ 0.050 χ^2 /NDF: 777901.0/22

+ sign 285.934 $\pm$ 0.038 χ^2 /NDF: 1955630.7/49

All: 287.561 $\pm$ 0.027 χ^2 /NDF: 4013448.4/102

- sign 289.182 $\pm$ 0.037 χ^2 /NDF: 2054064.3/52

asym_bpm0r05WS_mean vs Slug



Right In: -818.920 ± 99.070 $\chi^2/\text{NDF}: 1647.1/24$

Left Out: 941.598 ± 89.119 $\chi^2/\text{NDF}: 544.6/24$

Right Out: -1208.826 ± 92.214 $\chi^2/\text{NDF}: 2777.8/29$

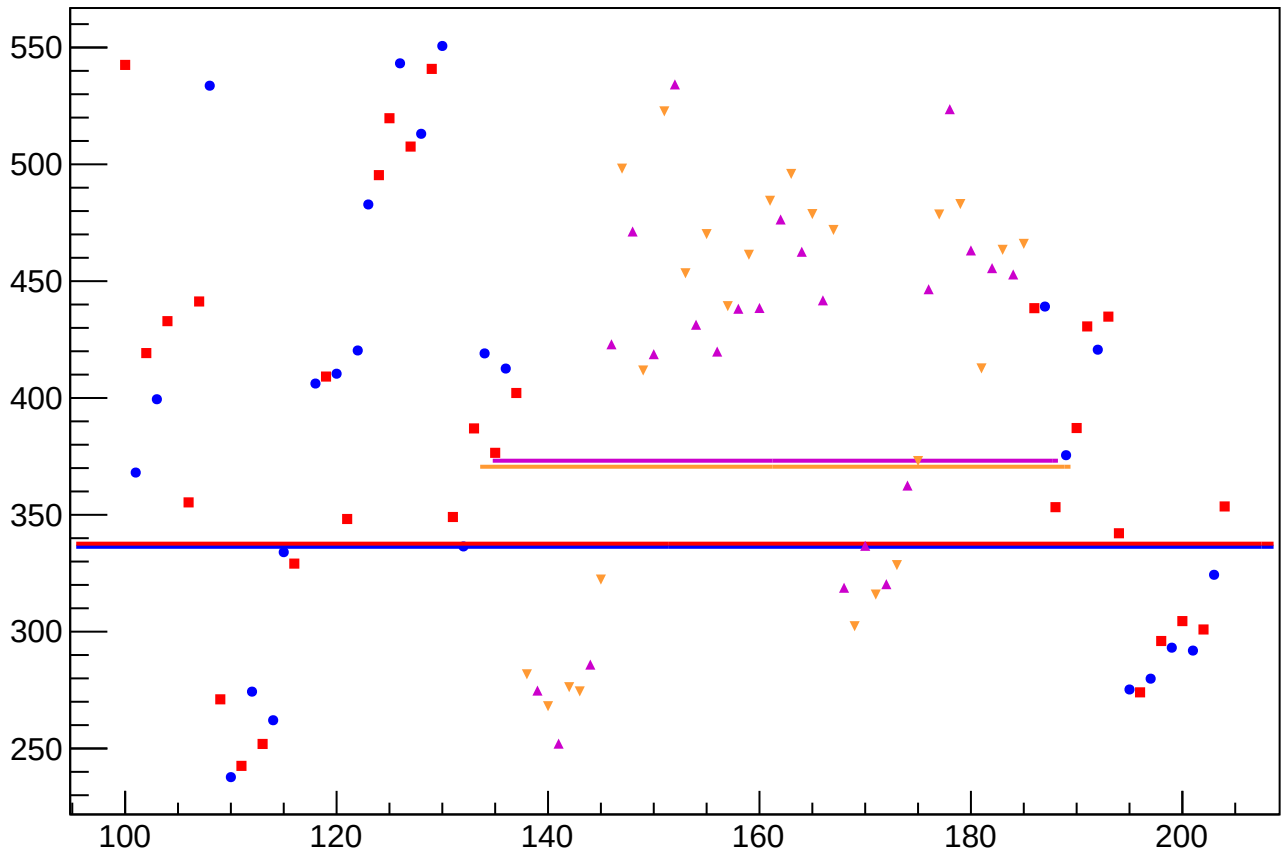
Left In: -27.763 ± 92.331 $\chi^2/\text{NDF}: 362.5/22$

+ sign 154.176 ± 66.256 $\chi^2/\text{NDF}: 2366.2/49$

All: -238.373 ± 46.489 $\chi^2/\text{NDF}: 5657.7/102$

- sign -619.045 ± 65.246 $\chi^2/\text{NDF}: 3222.3/52$

asym_bpm0r05WS_rms vs Slug



Right In: 336.321+/-0.070 χ^2/NDF : 1174470.7/24

Left Out: 370.580+/-0.063 χ^2/NDF : 1878118.9/24

Right Out: 337.657+/-0.065 χ^2/NDF : 1131380.7/29

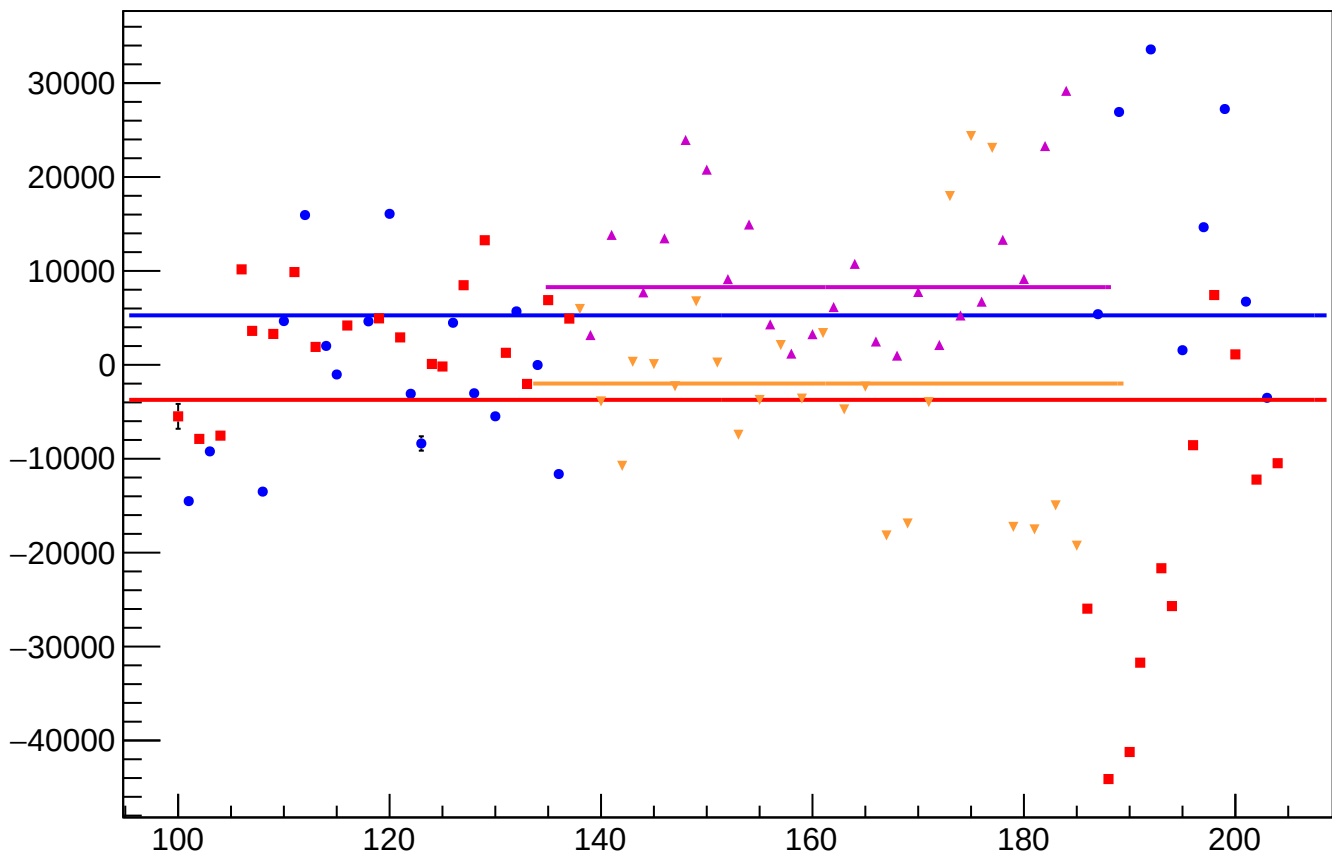
Left In: 373.161+/-0.065 χ^2/NDF : 1636244.2/22

+ sign 355.257+/-0.047 χ^2/NDF : 3184778.7/49

All: 355.323+/-0.033 χ^2/NDF : 6100453.7/102

- sign 355.386+/-0.046 χ^2/NDF : 2915671.1/52

asym_bpm0i02WS_mean vs Slug



Right In: 5267.696 ± 44.348 $\chi^2/\text{NDF}: 86495.0/24$

Left Out: -1991.788 ± 42.427 $\chi^2/\text{NDF}: 63766.6/24$

Right Out: -3728.782 ± 41.326 $\chi^2/\text{NDF}: 132938.1/29$

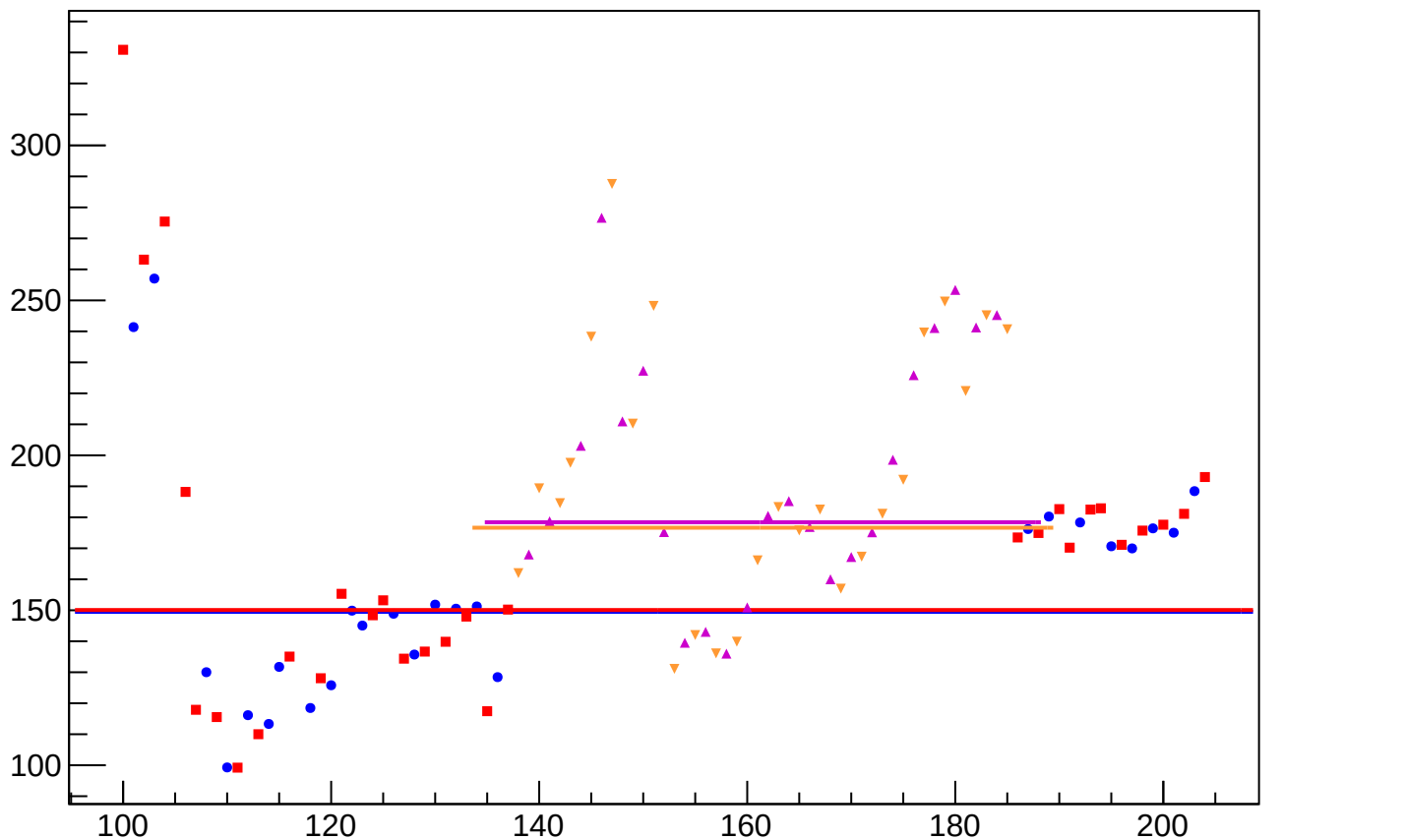
Left In: 8273.228 ± 44.301 $\chi^2/\text{NDF}: 22870.2/22$

+ sign 1477.276 ± 30.657 $\chi^2/\text{NDF}: 164252.2/49$

All: 1669.240 ± 21.521 $\chi^2/\text{NDF}: 359383.0/10$

- sign 1855.759 ± 30.219 $\chi^2/\text{NDF}: 195053.5/52$

asym_bpm0i02WS_rms vs Slug



Right In: 149.494+/-0.031 χ^2/NDF : 1064776.5/24

Left Out: 176.641+/-0.030 χ^2/NDF :1551048.8/24

Right Out: 150.078+/-0.029 χ^2/NDF : 1426076.3/29

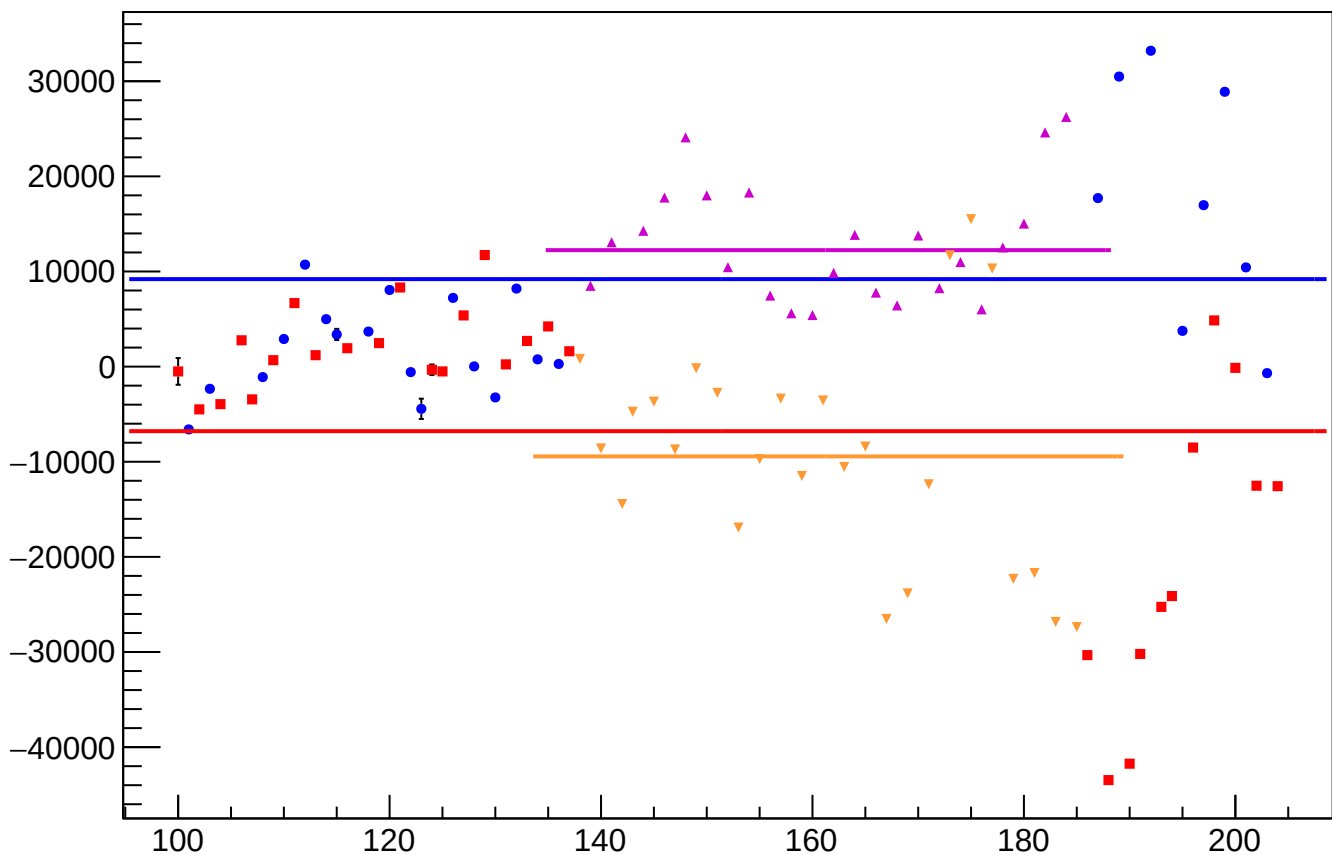
Left In: 178.413+/-0.031 χ^2/NDF :1293736.2/22

+ sign 163.668+/-0.022 χ^2/NDF : 3007116.0/49

All: 163.462+/-0.015 χ^2/NDF : 6164586.9/102

- sign 163.263+/-0.021 χ^2/NDF : 3157293.3/52

asym_bpm0i02aWS_mean vs Slug



Right In: 9197.469+/-51.213 χ^2/NDF : 48378.8/24

Left Out: -9437.408+/-45.534 χ^2/NDF : 62220.4/24

Right Out: -6785.932+/-47.076 χ^2/NDF : 102925.0/29

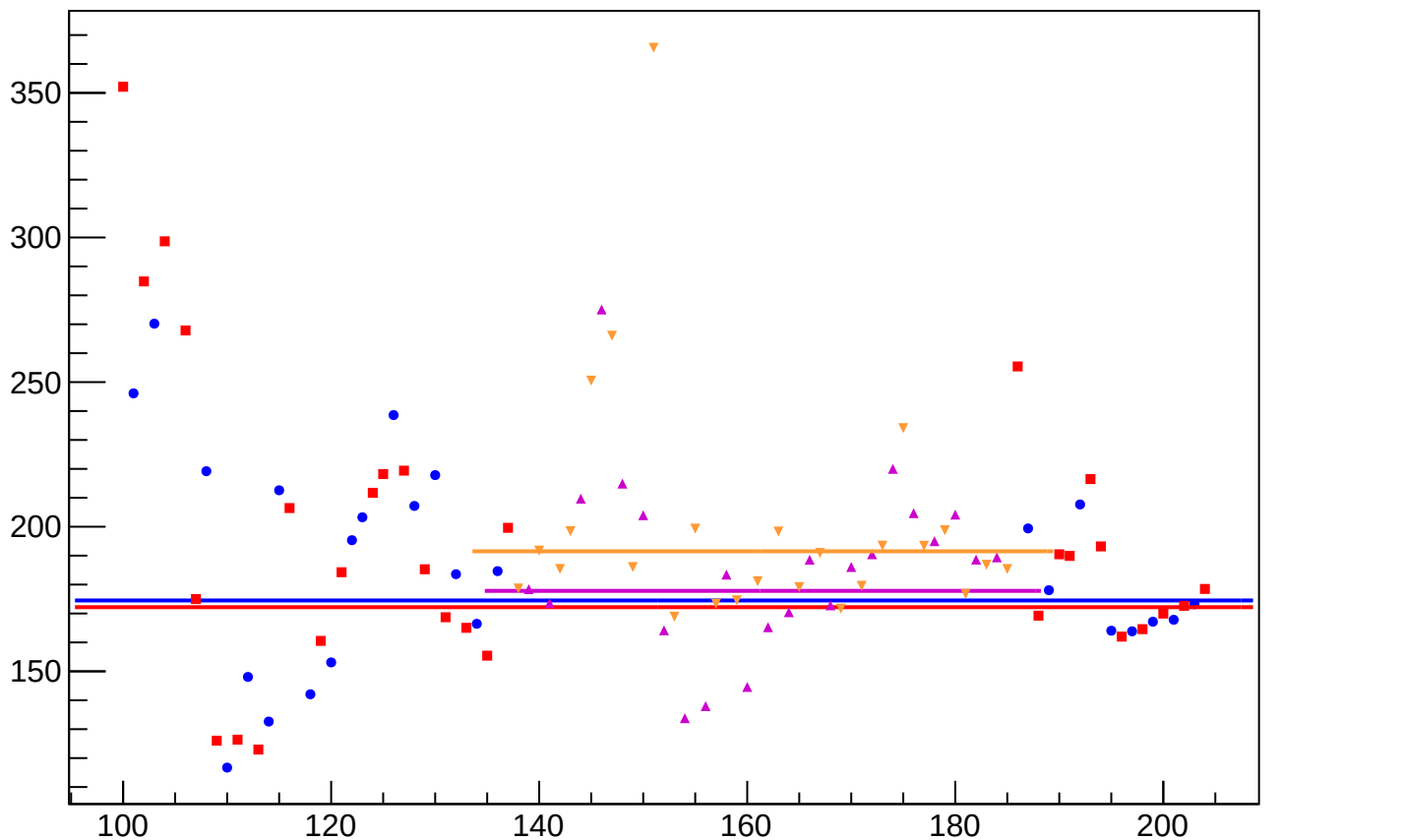
Left In: 12242.226+/-43.944 χ^2/NDF : 16615.8/22

+ sign -1210.021+/-34.029 χ^2/NDF : 184544.4/49

All: 1218.188+/-23.359 χ^2/NDF : 401017.8/10

- sign 3382.082+/-32.124 χ^2/NDF : 206843.9/52

asym_bpm0i02aWS_rms vs Slug



Right In: 174.506 $\pm$ 0.036 χ^2 /NDF: 758144.9/24

Left Out: 191.507 $\pm$ 0.032 χ^2 /NDF: 727251.6/24

Right Out: 172.183 $\pm$ 0.033 χ^2 /NDF: 1125496.9/29

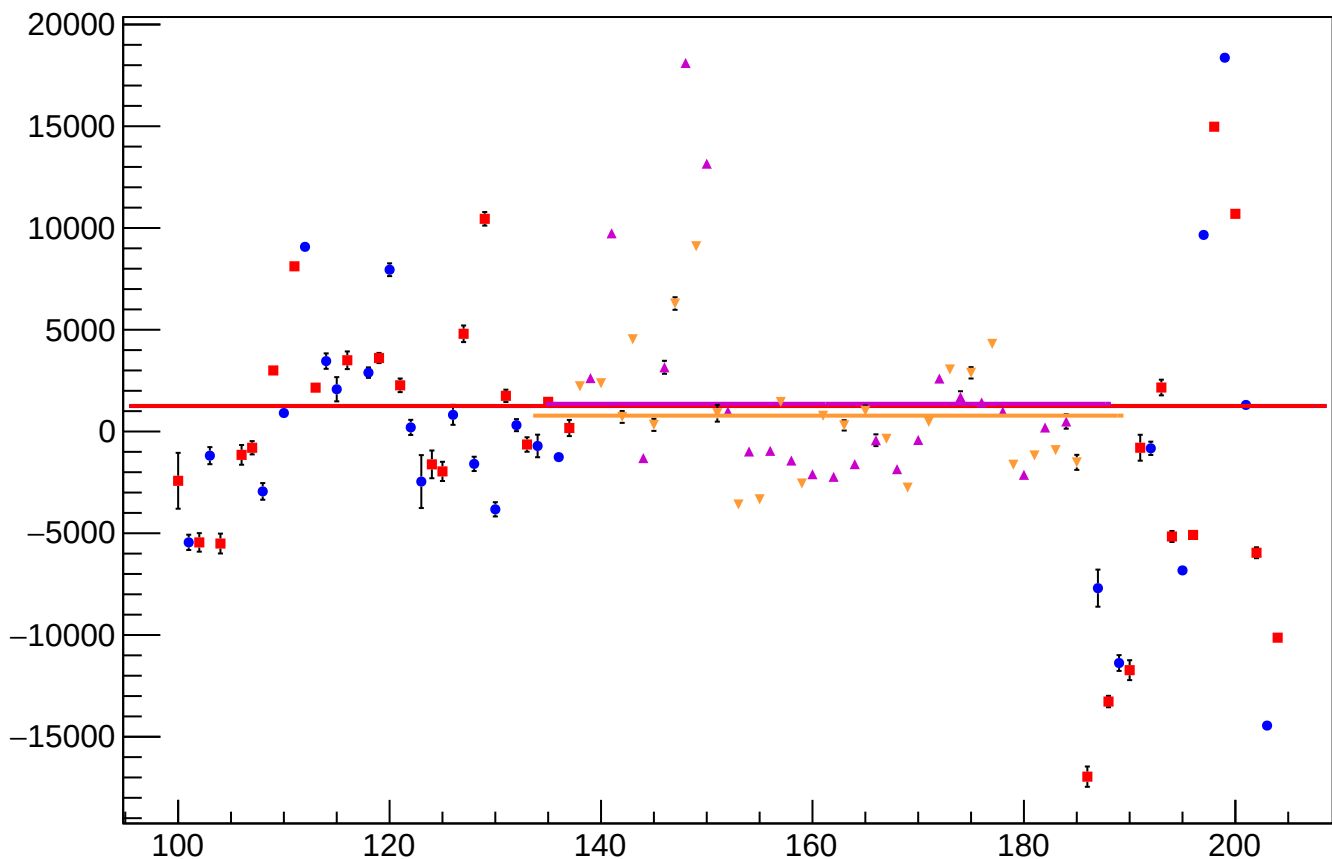
Left In: 177.821 $\pm$ 0.031 χ^2 /NDF: 862494.4/22

+ sign 184.001 $\pm$ 0.024 χ^2 /NDF: 1608492.1/49

All: 179.345 $\pm$ 0.017 χ^2 /NDF: 3682611.2/102

- sign 175.196 $\pm$ 0.023 χ^2 /NDF: 2003321.2/52

asym_bpm0i05WS_mean vs Slug



Right In: 1250.674+/-57.546 χ^2/NDF : 19635.7/24

Left Out: 779.983+/-47.457 χ^2/NDF : 4260.8/24

Right Out: 1256.803+/-53.308 χ^2/NDF : 18889.4/29

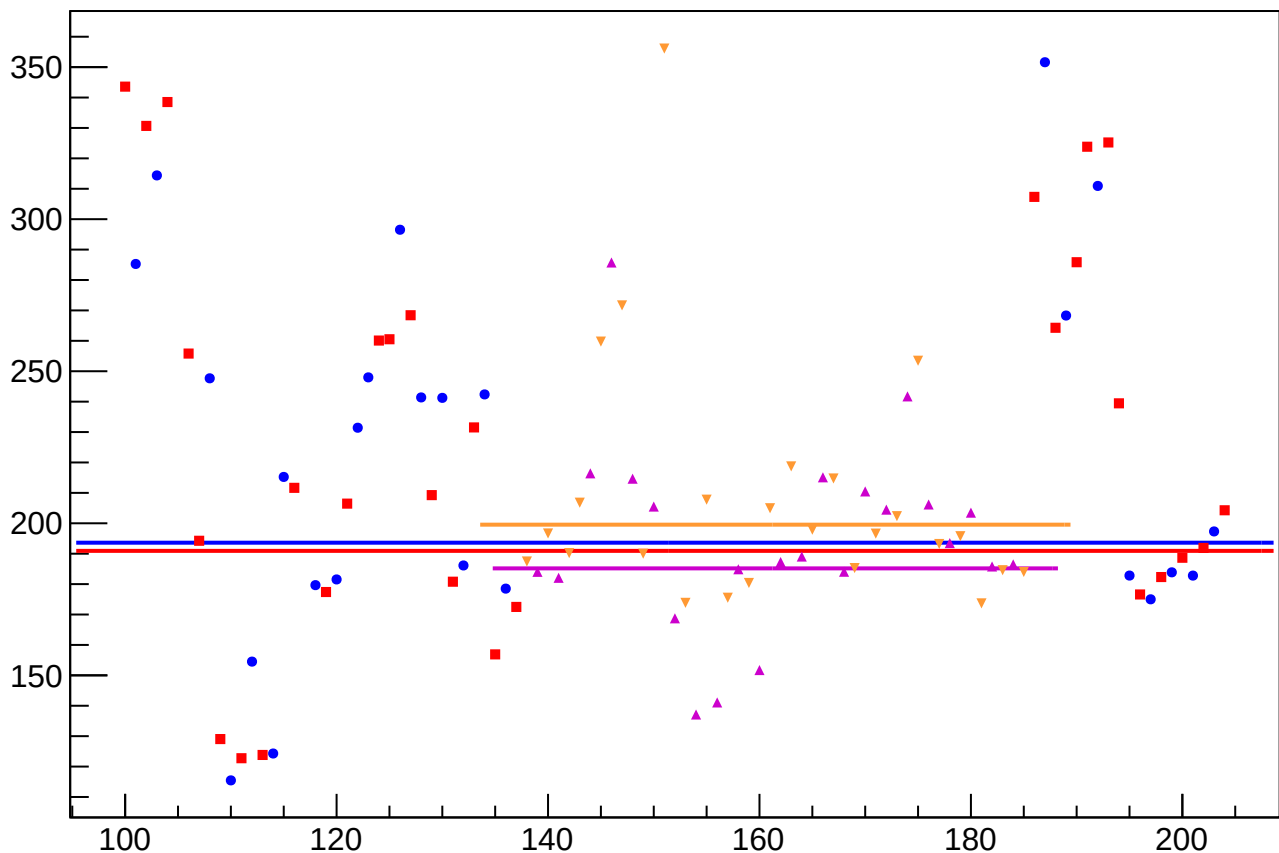
Left In: 1363.043+/-45.807 χ^2/NDF : 11632.9/22

+ sign 970.517+/-36.613 χ^2/NDF : 23936.3/49

All: 1153.320+/-25.202 χ^2/NDF : 54508.2/102

- sign 1317.917+/-34.742 χ^2/NDF : 30524.6/52

asym_bpm0i05WS_rms vs Slug



Right In: 193.619 $\pm$ 0.041 χ^2 /NDF: 1406821.6/24

Left Out: 199.547 $\pm$ 0.034 χ^2 /NDF: 729356.3/24

Right Out: 190.932 $\pm$ 0.038 χ^2 /NDF: 2134116.7/29

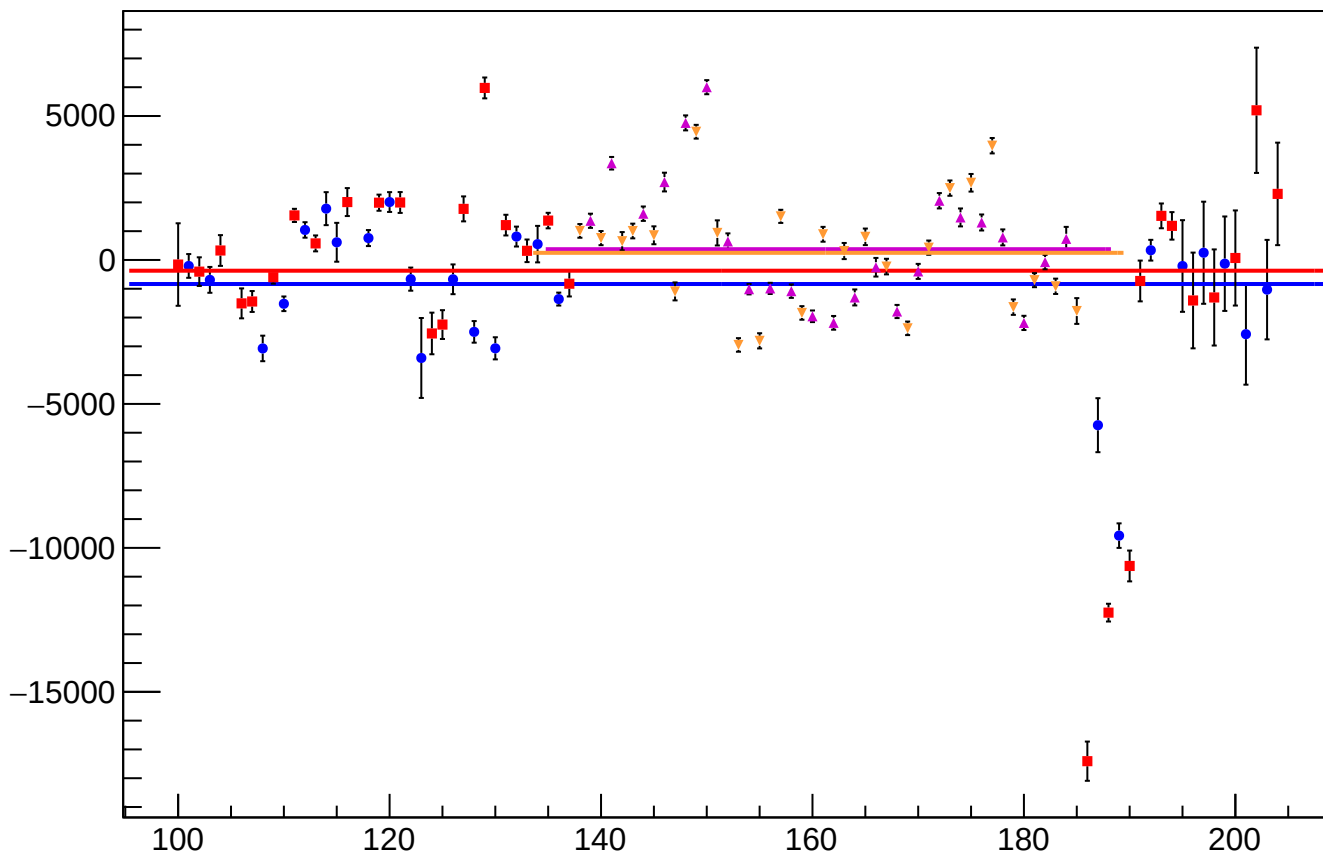
Left In: 185.171 $\pm$ 0.032 χ^2 /NDF: 882752.2/22

+ sign 197.147 $\pm$ 0.026 χ^2 /NDF: 2148808.2/49

All: 192.133 $\pm$ 0.018 χ^2 /NDF: 5250411.6/102

- sign 187.618 $\pm$ 0.025 χ^2 /NDF: 3030306.1/52

asym_bpm0i07WS_mean vs Slug



Right In: -835.352 ± 83.641 χ^2/NDF : 761.2/24

Left Out: 247.844 ± 53.555 χ^2/NDF : 1355.1/24

Right Out: -373.180 ± 75.073 χ^2/NDF : 3171.4/29

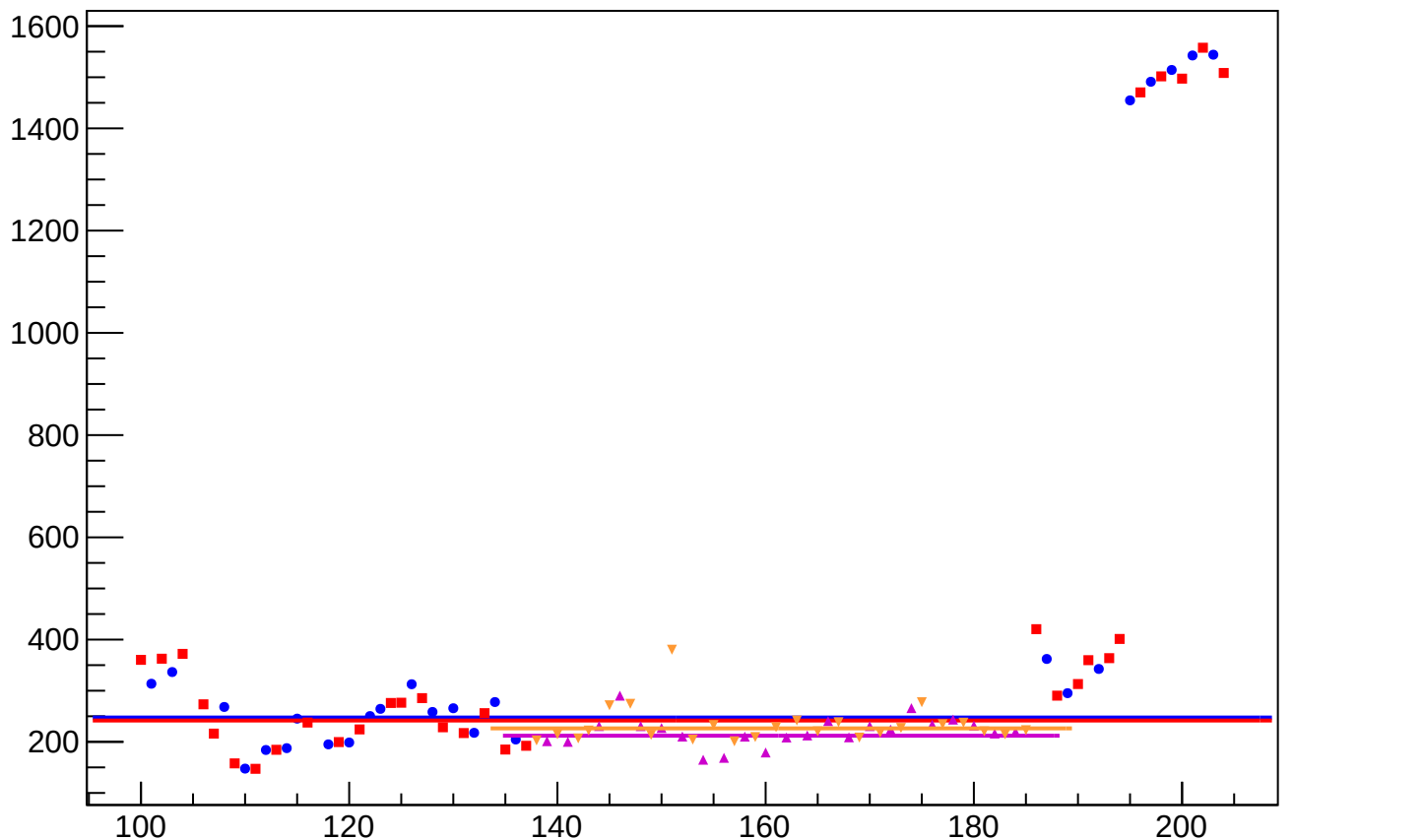
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -67.117 ± 45.102 χ^2/NDF : 2235.2/49

All: 37.460 ± 31.036 χ^2/NDF : 7284.7/102

- sign 131.522 ± 42.774 χ^2/NDF : 5039.3/52

asym_bpm0i07WS_rms vs Slug



Right In: 247.535 $\pm$ 0.059 χ^2 /NDF: 6556667.9/24

Left Out: 226.322 $\pm$ 0.038 χ^2 /NDF: 521041.8/24

Right Out: 241.707 $\pm$ 0.053 χ^2 /NDF: 6982042.3/29

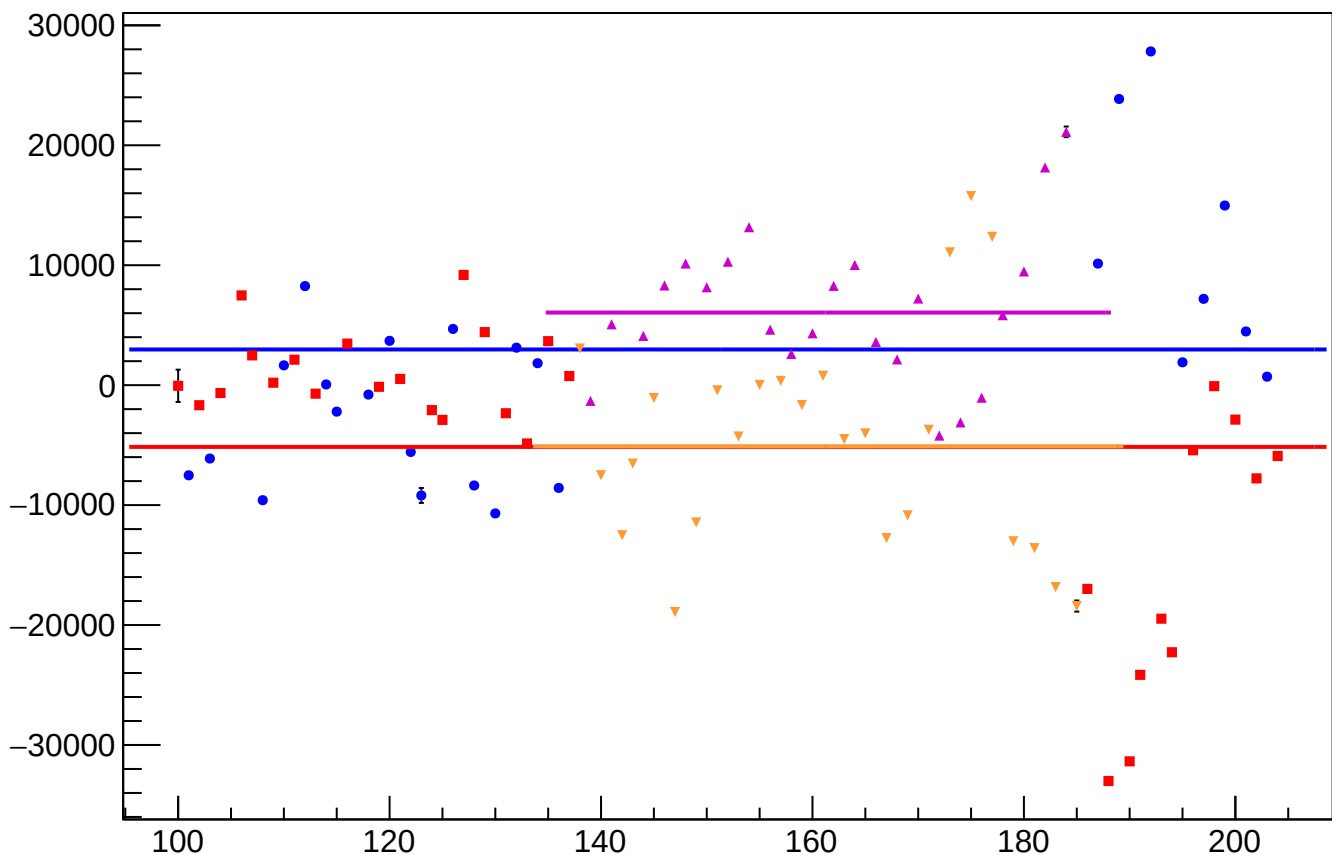
Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

+ sign 232.490 $\pm$ 0.032 χ^2 /NDF: 7168949.3/49

All: 226.769 $\pm$ 0.022 χ^2 /NDF: 15008378.0/10

- sign 221.624 $\pm$ 0.030 χ^2 /NDF: 7778310.6/52

asym_bpm1i02WS_mean vs Slug



Right In: 2975.453+/-37.694 χ^2/NDF : 73382.5/24

Left Out: -5095.305+/-33.703 χ^2/NDF : 54395.4/24

Right Out: -5147.498+/-34.813 χ^2/NDF : 101013.7/29

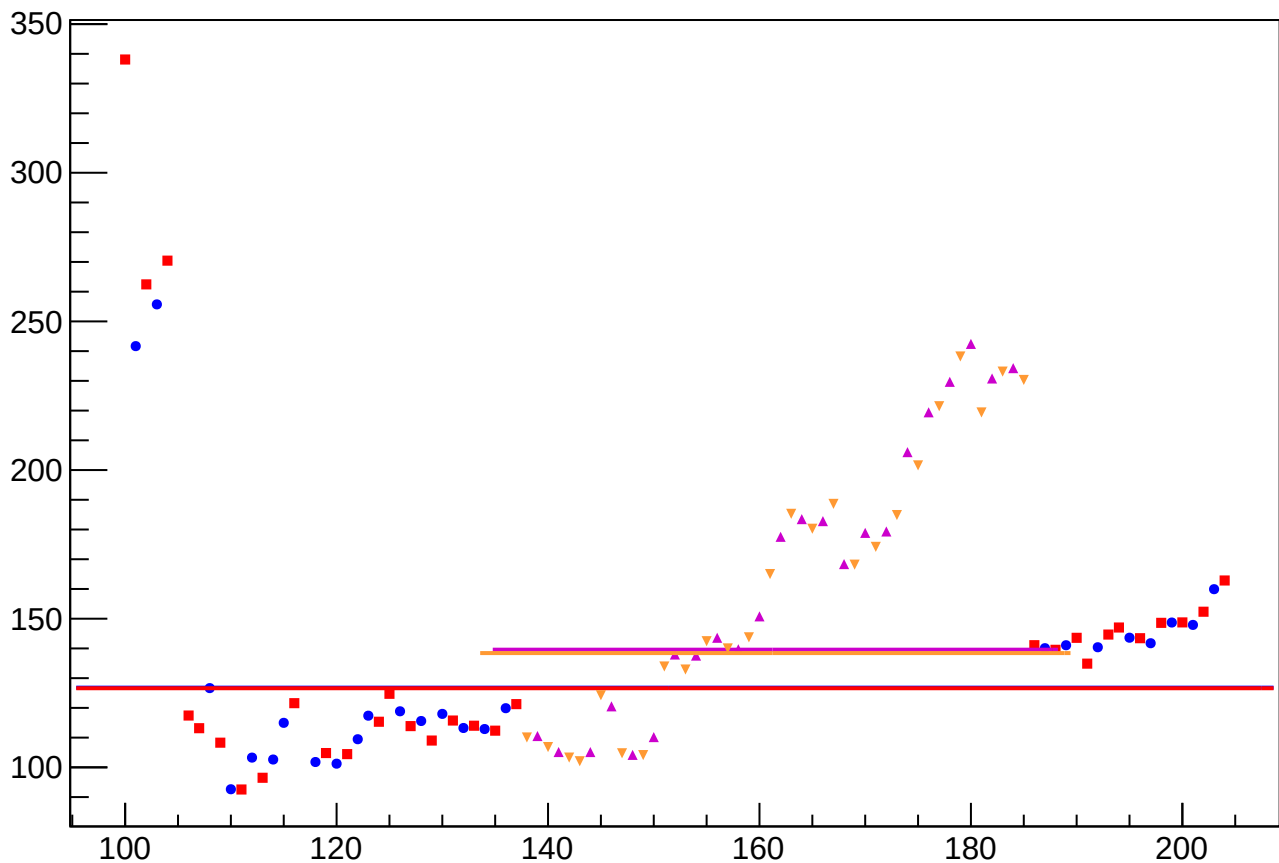
Left In: 6053.569+/-34.998 χ^2/NDF : 17590.3/22

+ sign -1509.659+/-25.125 χ^2/NDF : 153254.0/49

All: -525.953+/-17.607 χ^2/NDF : 326357.2/10

- sign 423.355+/-24.682 χ^2/NDF : 170090.9/52

asym_bpm1i02WS_rms vs Slug



Right In: 126.806+/-0.027 χ^2/NDF : 1057771.1/24

Left Out: 138.436+/-0.024 χ^2/NDF : 2549435.8/24

Right Out: 126.609+/-0.025 χ^2/NDF : 1252162.1/29

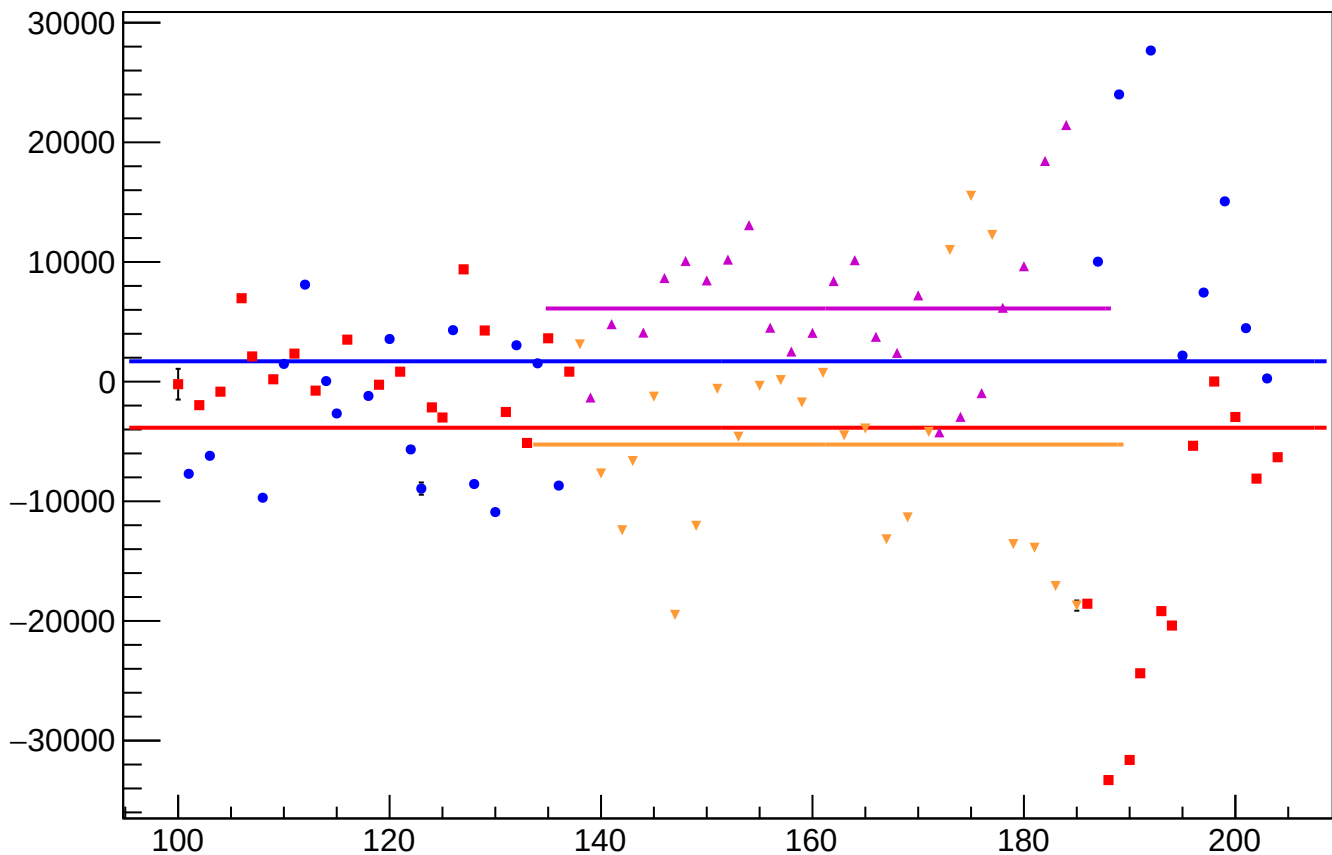
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 133.269+/-0.018 χ^2/NDF : 3712997.3/49

All: 133.162+/-0.012 χ^2/NDF : 7516918.7/102

- sign 133.059+/-0.017 χ^2/NDF : 3803850.5/52

asym_bpm1i04WS_mean vs Slug



Right In: 1700.749+/-33.569 χ^2/NDF : 80344.2/24

Left Out: -5255.652+/-30.622 χ^2/NDF : 64324.6/24

Right Out: -3850.746+/-31.225 χ^2/NDF : 108285.5/29

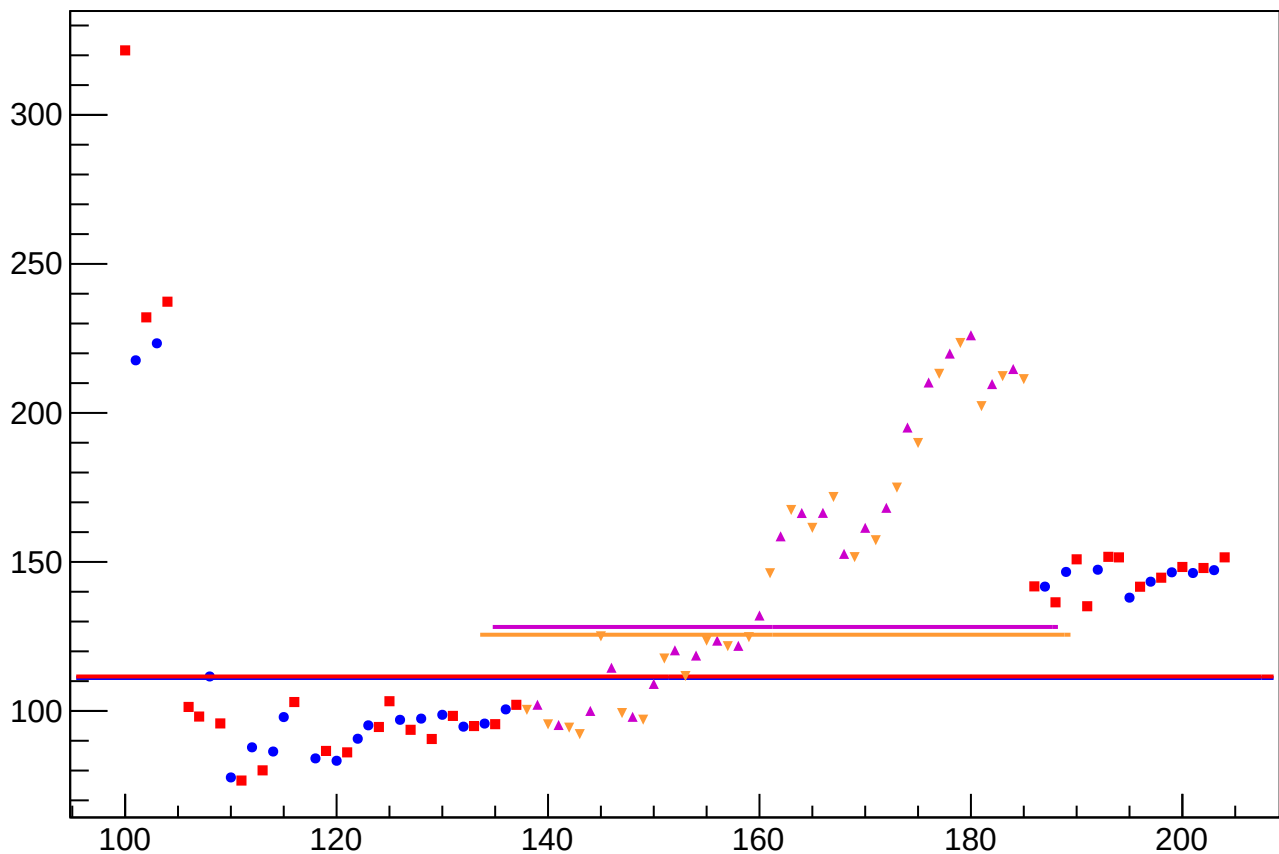
Left In: 6114.901+/-32.126 χ^2/NDF : 21260.9/22

+ sign -2096.113+/-22.623 χ^2/NDF : 168108.0/49

All: -536.900+/-15.914 χ^2/NDF : 356539.5/10

- sign 990.508+/-22.391 χ^2/NDF : 179028.1/52

asym_bpm1i04WS_rms vs Slug



Right In: 111.067+/-0.024 χ^2/NDF : 1670476.7/24

Left Out: 125.577+/-0.022 χ^2/NDF : 2595752.6/24

Right Out: 111.561+/-0.022 χ^2/NDF : 2026191.2/29

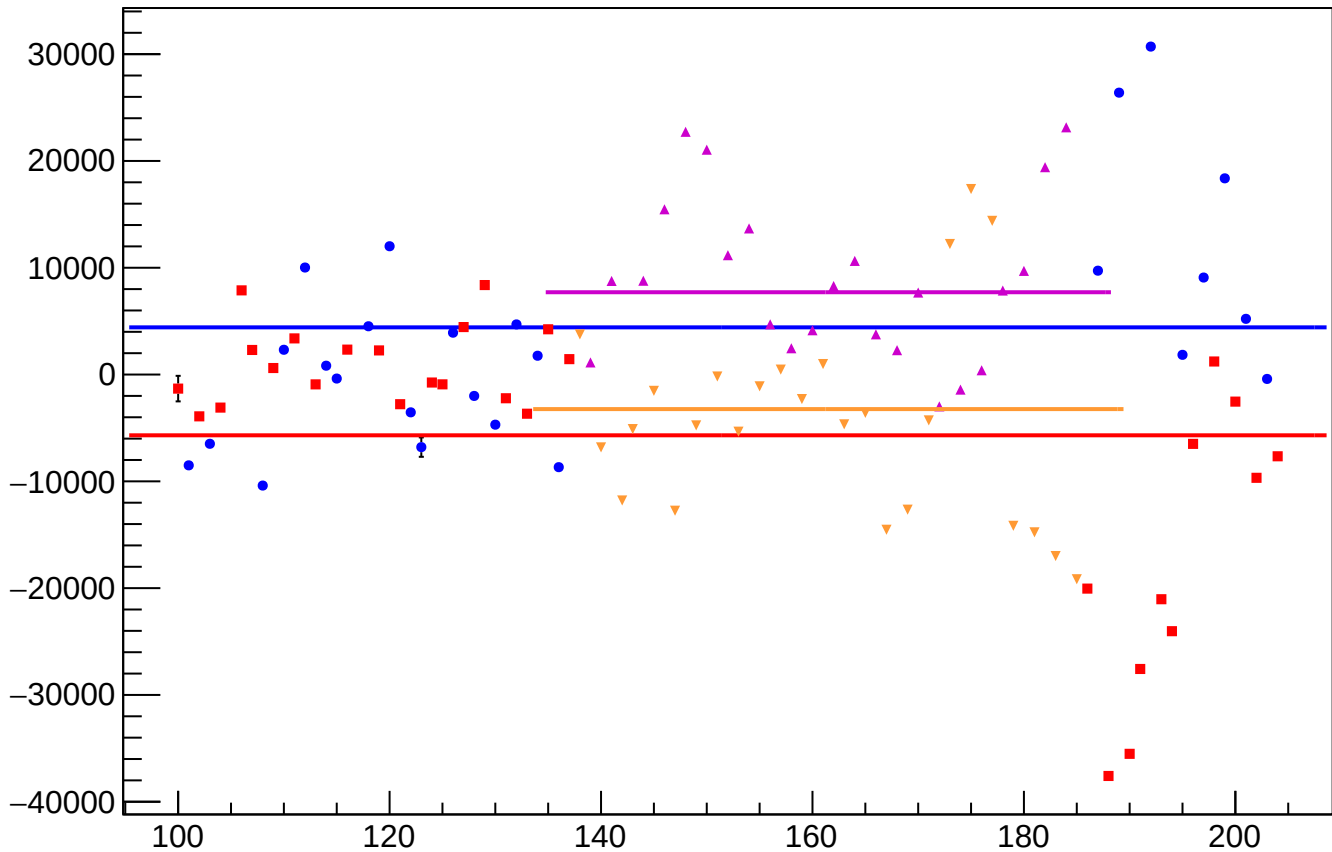
Left In: 128.184+/-0.023 χ^2/NDF : 2332977.5/22

+ sign 118.987+/-0.016 χ^2/NDF : 4470202.6/49

All: 119.315+/-0.011 χ^2/NDF : 9105547.6/102

- sign 119.636+/-0.016 χ^2/NDF : 4634512.5/52

asym_bpm1i06WS_mean vs Slug



Right In: 4419.047 $\pm$ 44.596 χ^2 /NDF: 58347.3/24

Left Out: -3234.922 $\pm$ 40.583 χ^2 /NDF:36739.9/24

Right Out: -5689.327 $\pm$ 41.311 χ^2 /NDF: 90430.8/29

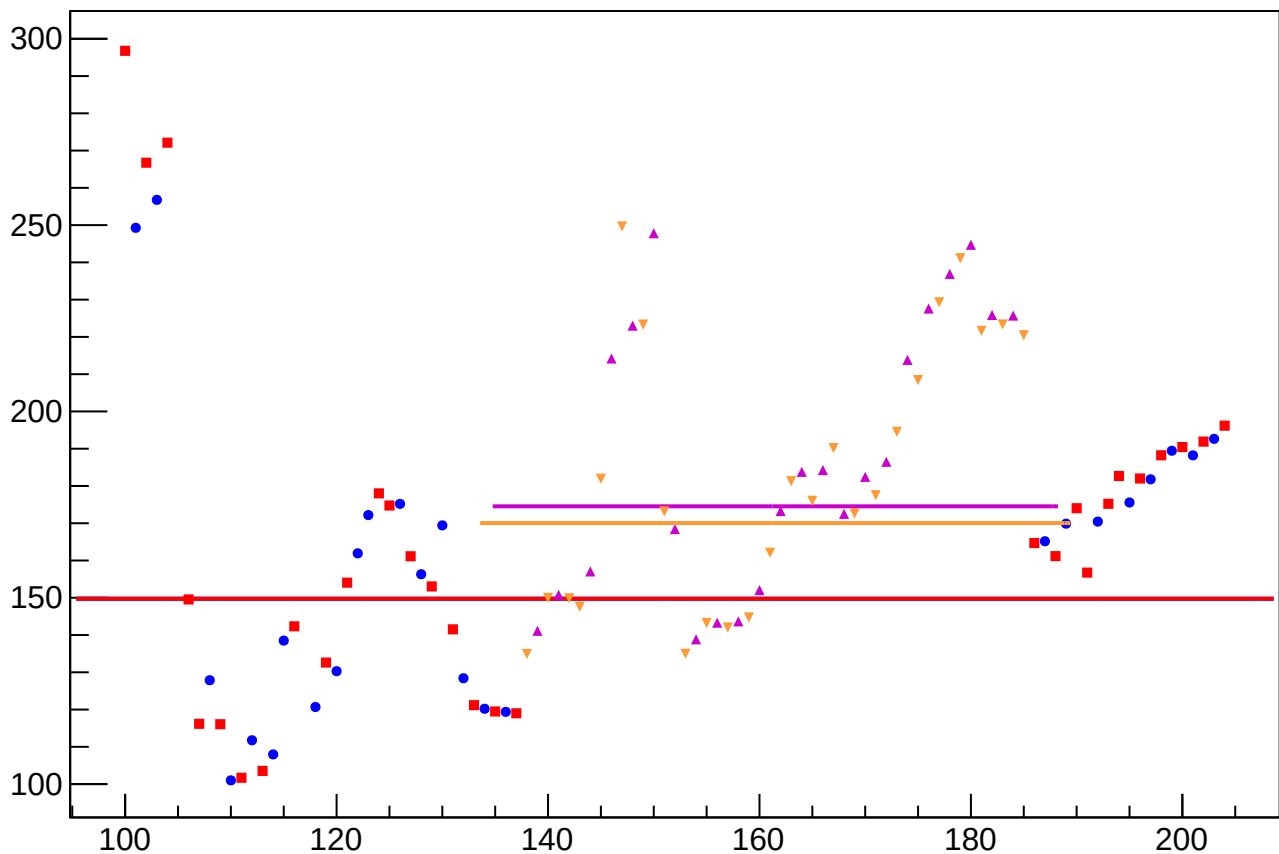
Left In: 7707.068 $\pm$ 42.990 χ^2 /NDF:21268.3/22

+ sign 232.244 $\pm$ 30.015 χ^2 /NDF: 111200.4/49

All: 489.140 $\pm$ 21.143 χ^2 /NDF: 273530.9/102

- sign 742.149 $\pm$ 29.787 χ^2 /NDF: 162185.1/52

asym_bpm1i06WS_rms vs Slug



Right In: 149.745 $\pm$ 0.032 χ^2 /NDF: 1289559.8/24

Left Out: 170.050 $\pm$ 0.029 χ^2 /NDF:1240866.9/24

Right Out: 149.739 $\pm$ 0.029 χ^2 /NDF: 1529337.0/29

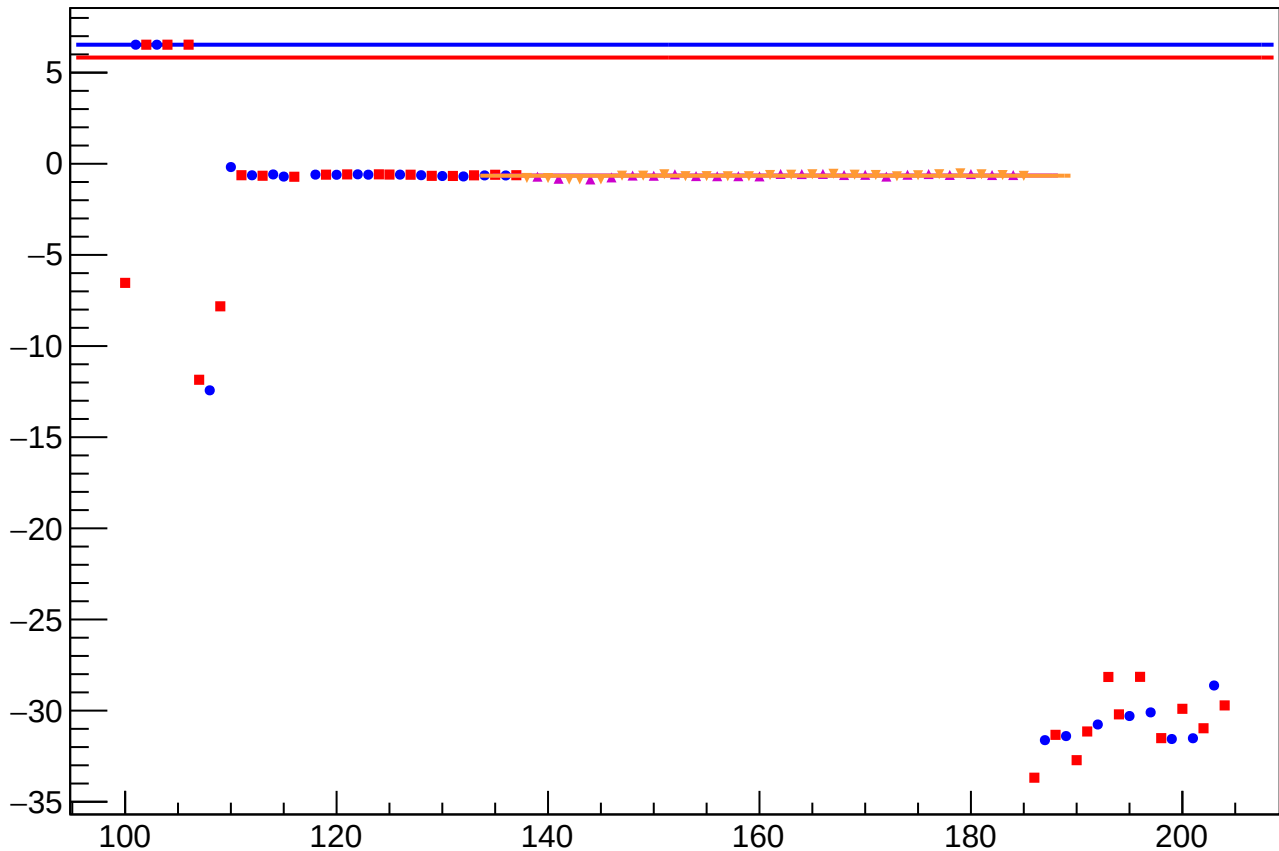
Left In: 174.539 $\pm$ 0.030 χ^2 /NDF:1210071.2/22

+ sign 160.852 $\pm$ 0.021 χ^2 /NDF: 2757208.1/49

All: 161.252 $\pm$ 0.015 χ^2 /NDF: 5843365.8/102

- sign 161.645 $\pm$ 0.021 χ^2 /NDF: 3085453.8/52

yield_cav4bX_mean vs Slug



Right In: 6.532 ± 0.000 χ^2/NDF : 127930423867.0/24

Left Out: -0.654 ± 0.000 χ^2/NDF : 179109810.4/24

Right Out: 5.827 ± 0.000 χ^2/NDF : 755947813961772.0/29

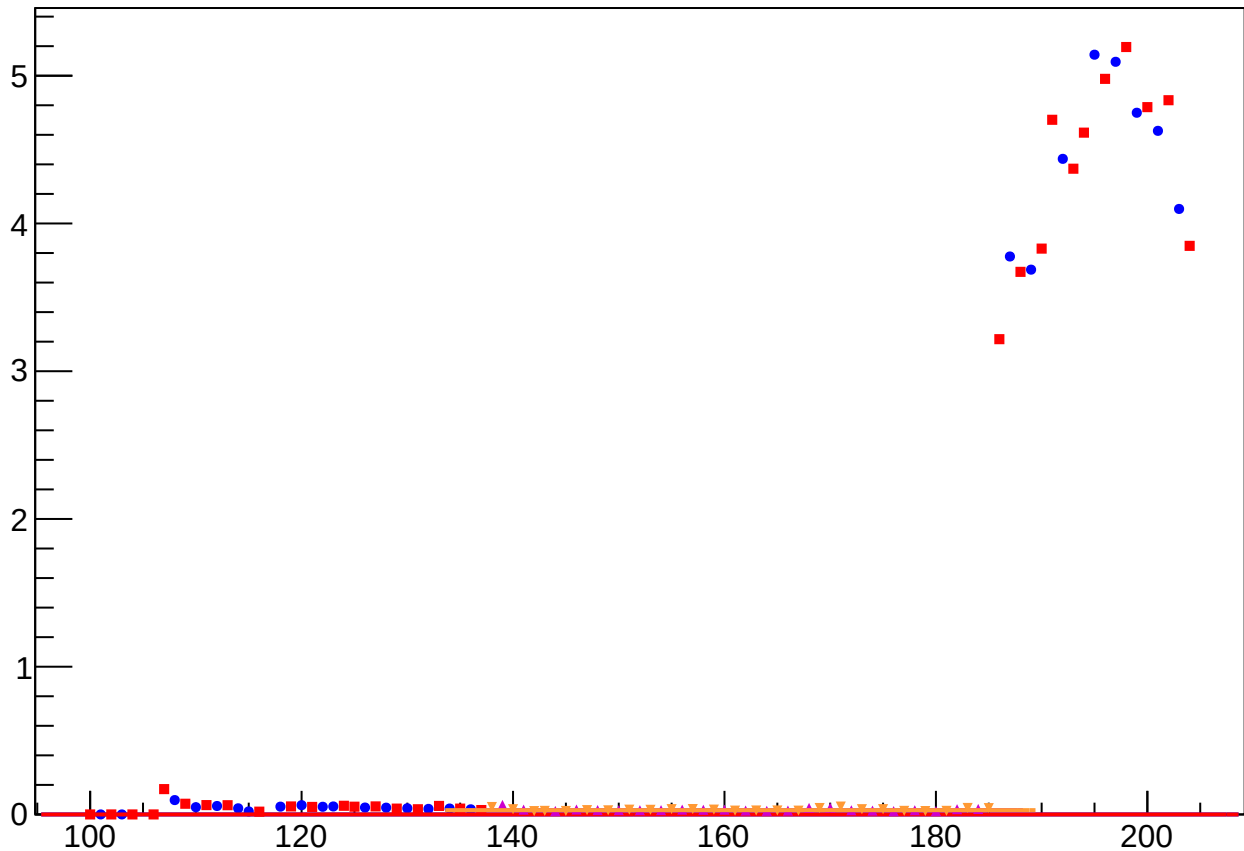
Left In: -0.644 ± 0.000 χ^2/NDF : 122913584.0/22

+ sign 6.530 ± 0.000 χ^2/NDF : 999319700023.9/49

All: 6.153 ± 0.000 χ^2/NDF : 77760228306507

- sign 5.826 ± 0.000 χ^2/NDF : 756619158560290.0/29

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2 /NDF: 19738708.2/24

Left Out: 0.029+/-0.000 χ^2 /NDF:1487017.7/24

Right Out: 0.000+/-0.000 χ^2 /NDF: 23173407.5/29

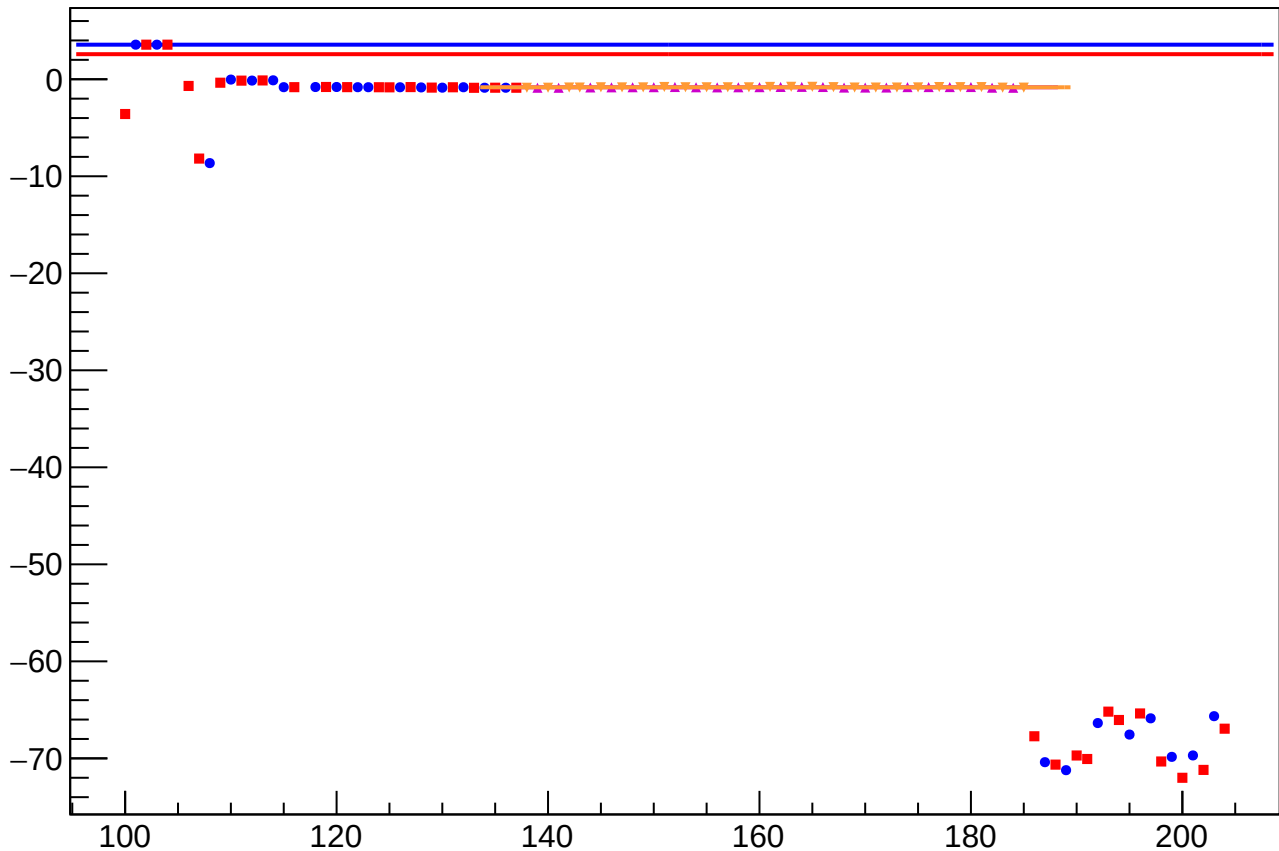
Left In: 0.029+/-0.000 χ^2 /NDF:1164030.9/22

+ sign 0.000+/-0.000 χ^2 /NDF: 49610096.7/49

All: 0.000+/-0.000 χ^2 /NDF: 100749873.9/102

- sign 0.000+/-0.000 χ^2 /NDF: 51139093.7/52

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 505909505126.7/24

Left Out: -0.828+/-0.000 χ^2/NDF : 168178464.8/24

+ sign 3.560+/-0.000 χ^2/NDF : 4188064950329.5/49

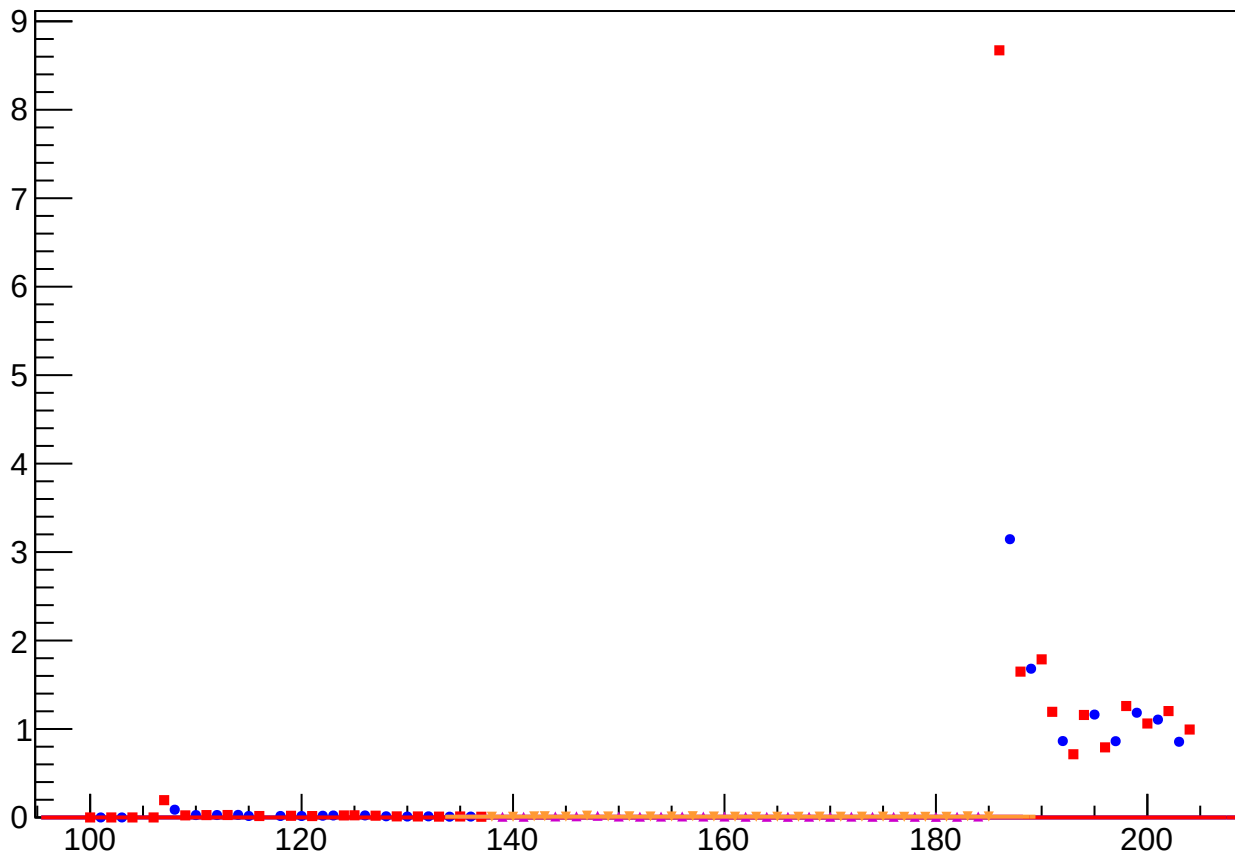
All: 3.038+/-0.000 χ^2/NDF : 13879935763382

Right Out: 2.583+/-0.000 χ^2/NDF : 1253529983068934.8/29

- sign 2.581+/-0.000 χ^2/NDF : 1255730034922691.2

Left In: -0.827+/-0.000 χ^2/NDF : 172640246.1/22

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 18561608.9/24

Left Out: 0.009+/-0.000 χ^2/NDF :1454710.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 21616644.7/29

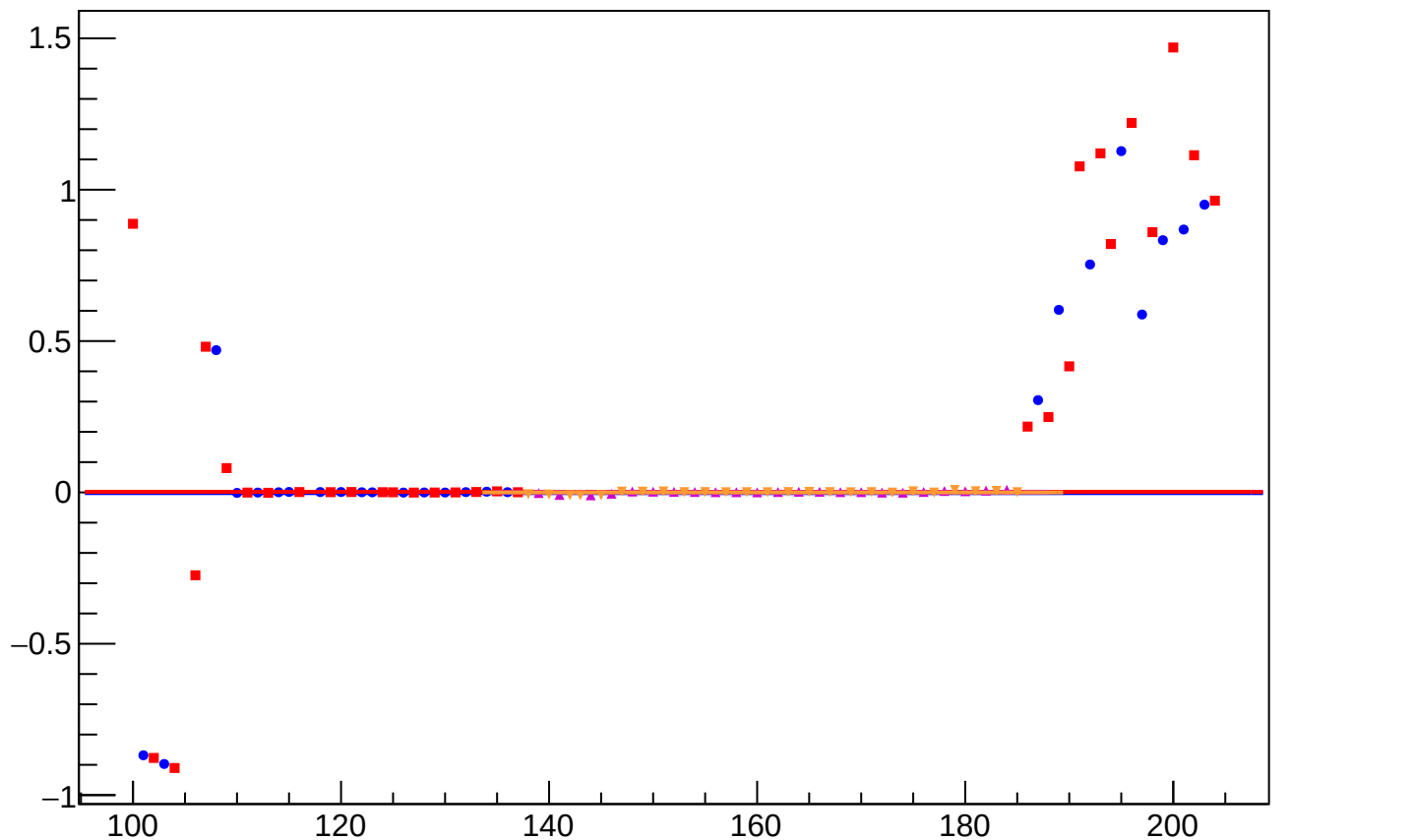
Left In: 0.009+/-0.000 χ^2/NDF :1041524.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 49970385.8/49

All: 0.000+/-0.000 χ^2/NDF : 101133646.0/102

- sign 0.000+/-0.000 χ^2/NDF : 51162137.7/52

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9796767422.0/24

Left Out: -0.000 ± 0.000 χ^2/NDF : 151482851.1/24

Right Out: 0.002 ± 0.000 χ^2/NDF : 3043581837.4/29

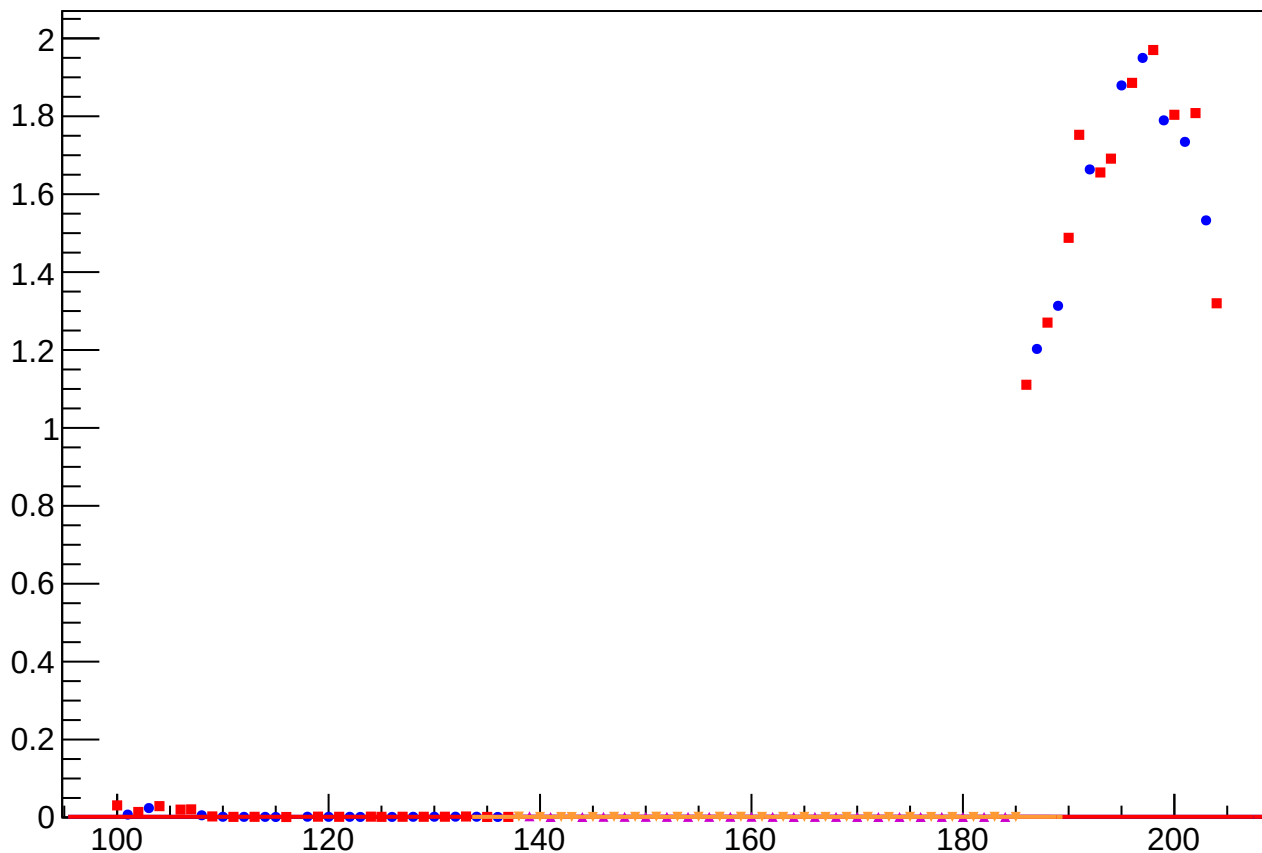
Left In: 0.001 ± 0.000 χ^2/NDF : 101439617.3/22

+ sign -0.001 ± 0.000 χ^2/NDF : 9954783806.5/49

All: 0.000 ± 0.000 χ^2/NDF : 13109355055.8/100

- sign 0.001 ± 0.000 χ^2/NDF : 3146989508.2/52

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 12613126.5/24

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 539817.3/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 16807697.1/29

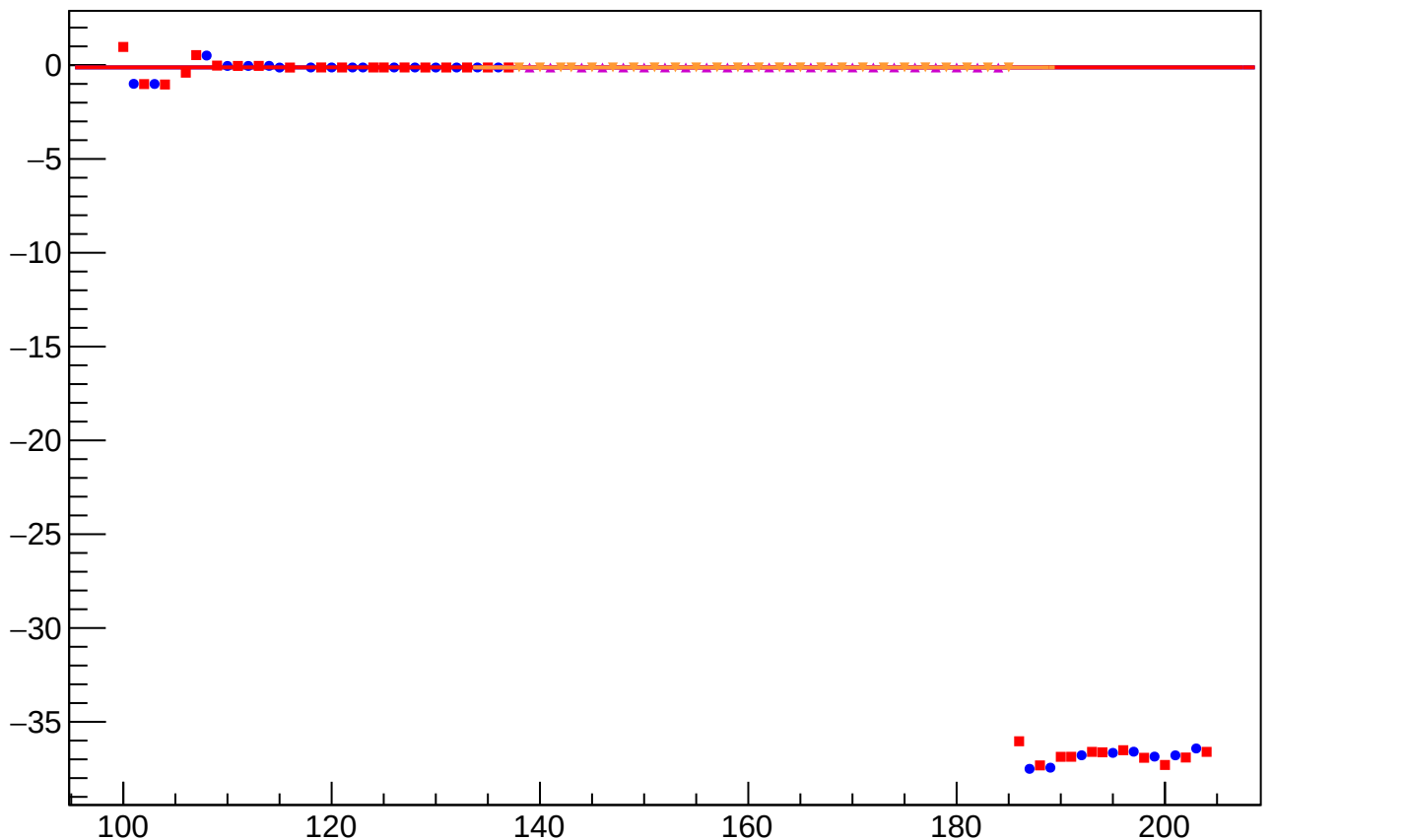
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF: 626044.8/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 13224781.3/49

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 30777622.9/102

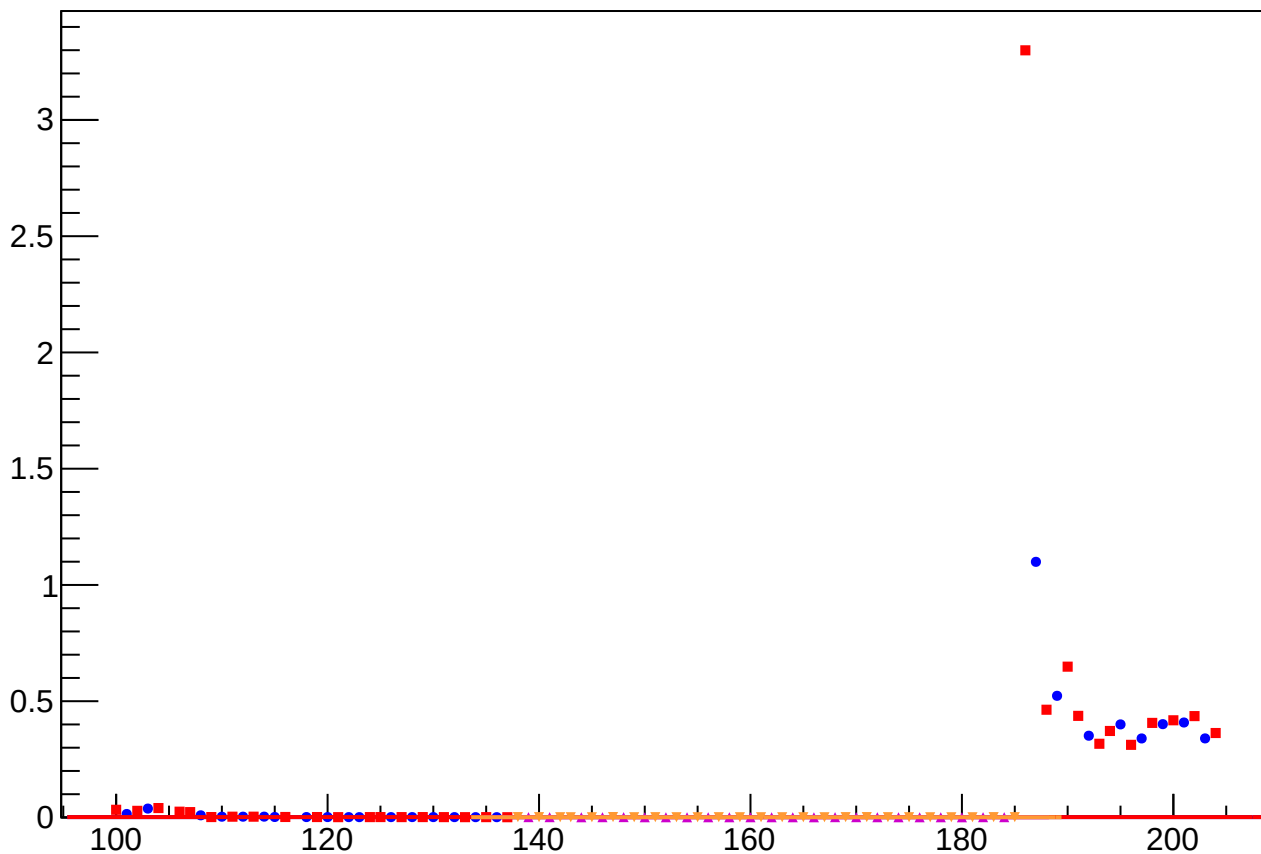
- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 17543852.2/52

yield_cav4cY_mean vs Slug



Right In: -0.121+/-0.000	χ^2/NDF : 50551635331.4/24	+ sign -0.121+/-0.000	χ^2/NDF : 50609764671.8/49
Left Out: -0.121+/-0.000	χ^2/NDF : 58120109.3/24	All: -0.121+/-0.000	χ^2/NDF : 110689933371.4
Right Out: -0.116+/-0.000	χ^2/NDF : 59986853165.3/29	- sign -0.120+/-0.000	χ^2/NDF : 60076237537.0/52
Left In: -0.121+/-0.000	χ^2/NDF : 52113932.9/22		

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 13071718.8/24

Left Out: 0.001+/-0.000 χ^2/NDF :1363316.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 16793059.2/29

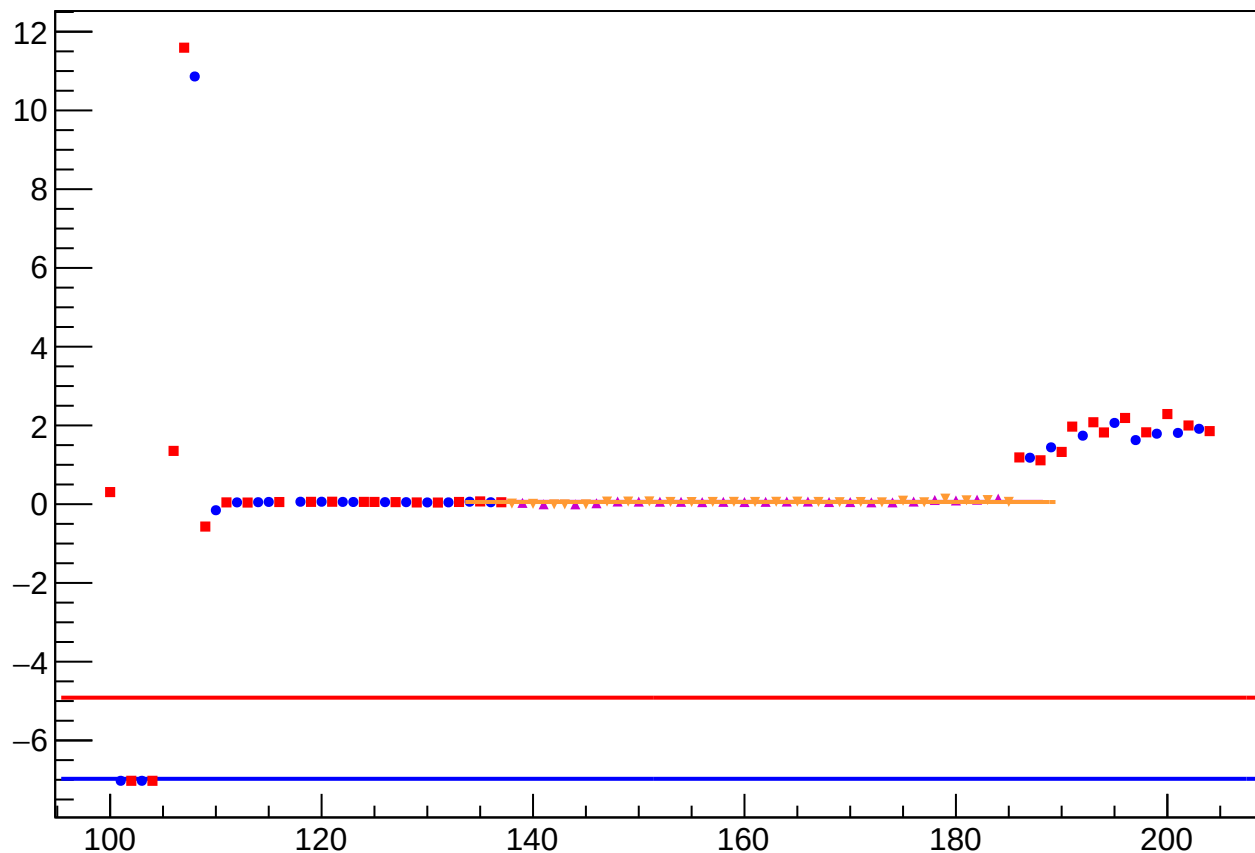
Left In: 0.001+/-0.000 χ^2/NDF :970801.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 15642165.5/49

All: 0.001+/-0.000 χ^2/NDF : 34546267.0/102

- sign 0.001+/-0.000 χ^2/NDF : 18902227.3/52

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8797545165953.8/24

Left Out: 0.055 ± 0.000 χ^2/NDF : 243682351.4/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365352814568662.2/29

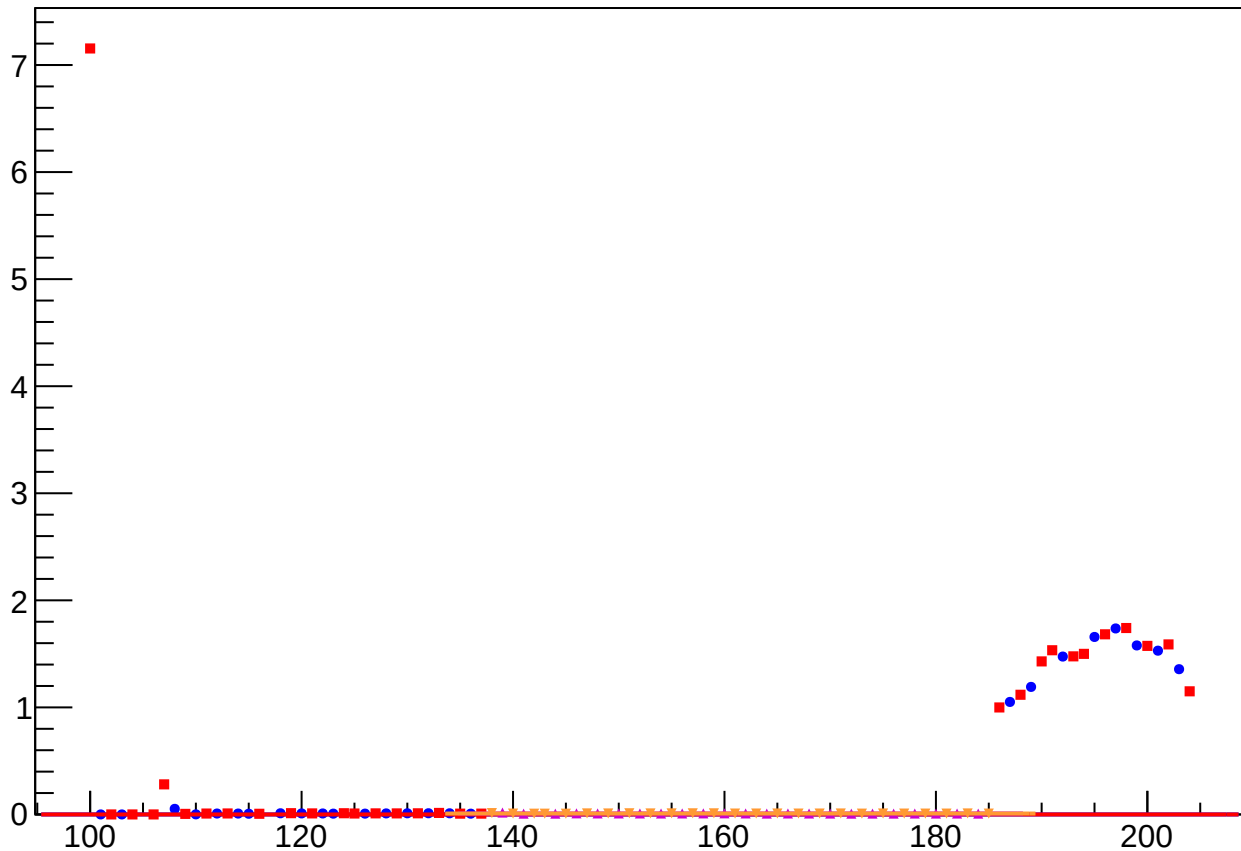
Left In: 0.059 ± 0.000 χ^2/NDF : 178541521.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18423858182445.5/24

All: -5.858 ± 0.000 χ^2/NDF : 4435289095572.2/29

- sign -4.882 ± 0.000 χ^2/NDF : 369731834471981.0/24

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 19061958.7/24

Left Out: 0.009+/-0.000 χ^2/NDF : 514432.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 22587754.3/29

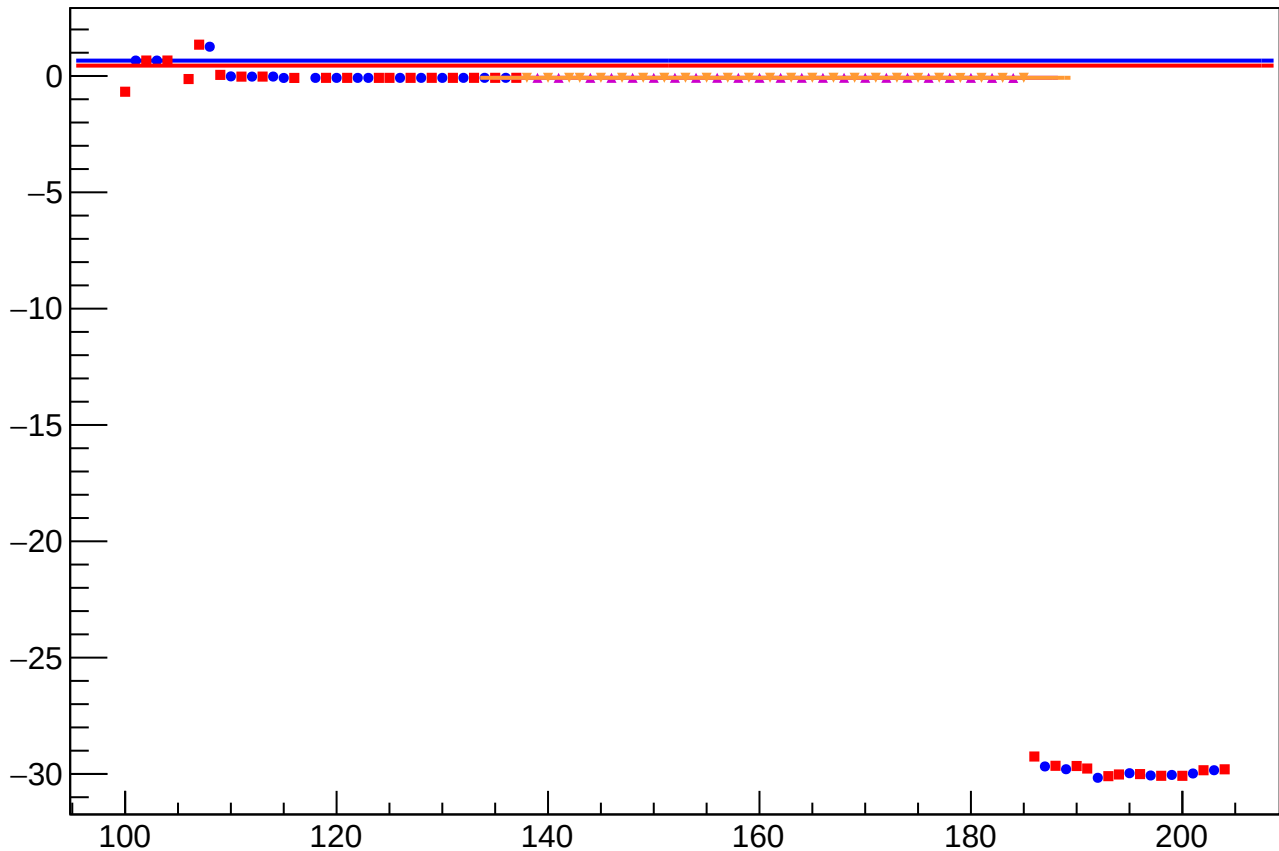
Left In: 0.009+/-0.000 χ^2/NDF : 602517.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 47963968.4/49

All: 0.000+/-0.000 χ^2/NDF : 98012400.6/102

- sign 0.000+/-0.000 χ^2/NDF : 50043634.7/52

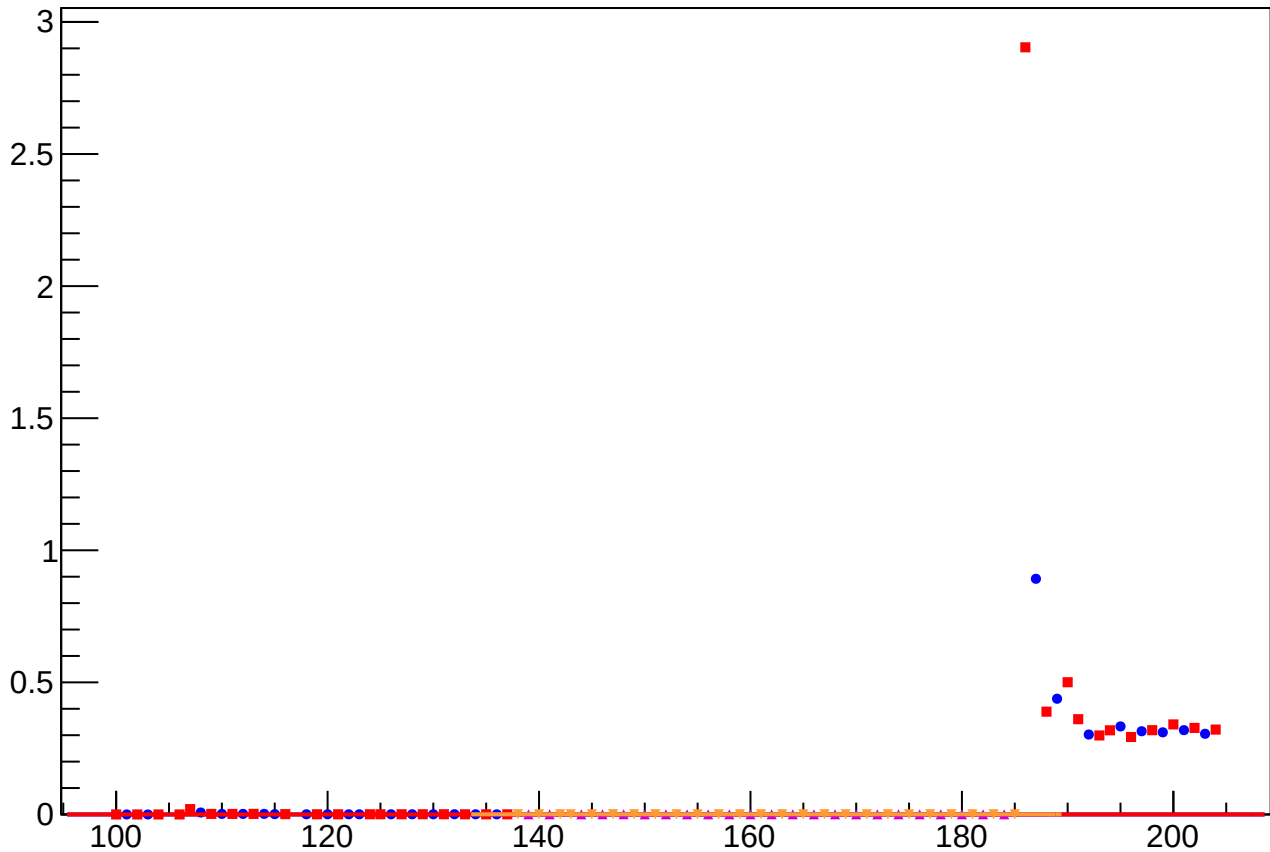
yield_cav4dY_mean vs Slug



Right In: 0.661 ± 0.000 $\chi^2/\text{NDF}: 5705923328916.2/24$
 Left Out: -0.078 ± 0.000 $\chi^2/\text{NDF}: 156404795.7/24$
 Right Out: 0.446 ± 0.000 $\chi^2/\text{NDF}: 405483405092634.6/29$
 Left In: -0.077 ± 0.000 $\chi^2/\text{NDF}: 110762924.1/22$

+ sign 0.646 ± 0.000 $\chi^2/\text{NDF}: 35804702931012.0/4$
 All: 0.537 ± 0.000 $\chi^2/\text{NDF}: 51594704381213$
 - sign 0.437 ± 0.000 $\chi^2/\text{NDF}: 419605429781883.1/$

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 20524675.1/24

Left Out: 0.001+/-0.000 χ^2/NDF :465981.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 23124397.3/29

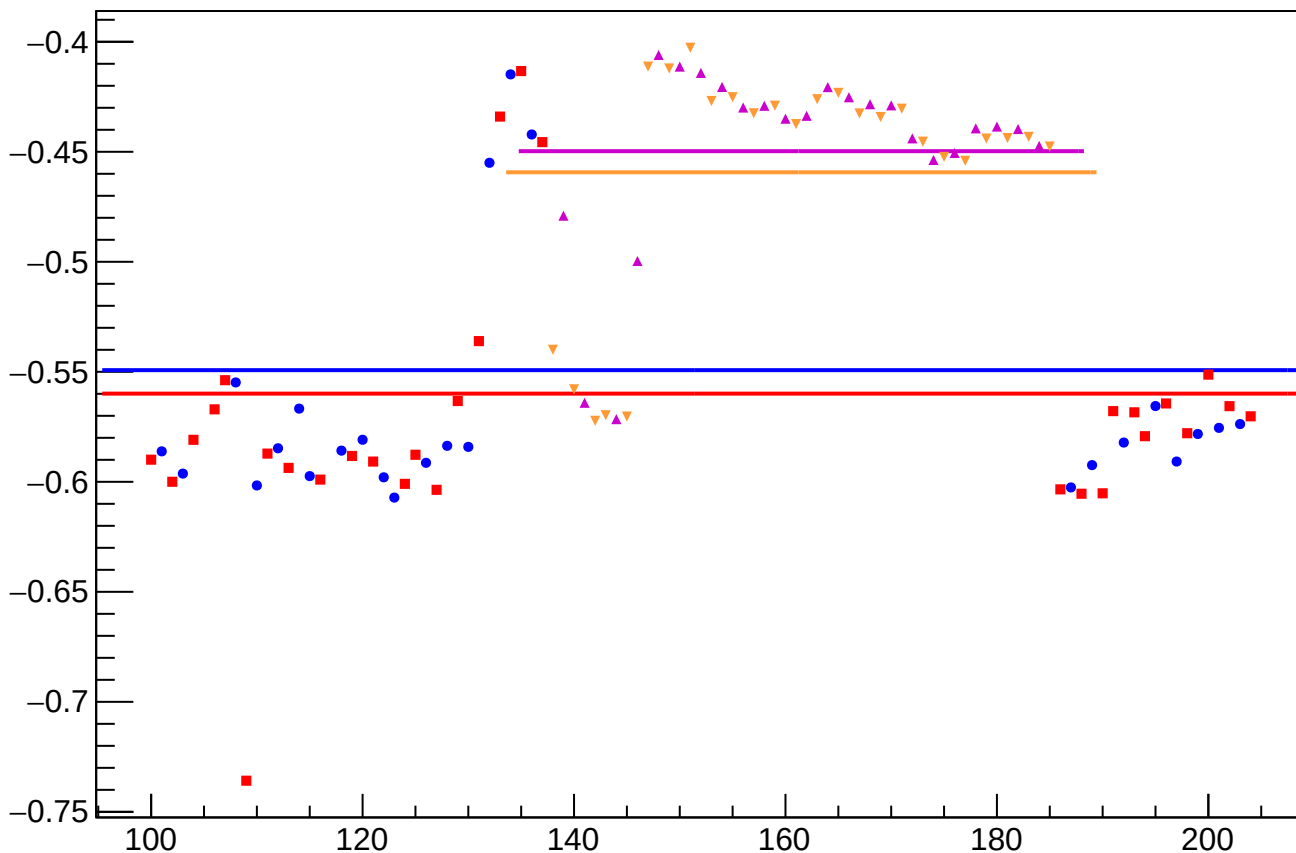
Left In: 0.001+/-0.000 χ^2/NDF :355509.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 53078125.3/49

All: 0.000+/-0.000 χ^2/NDF : 107003064.5/102

- sign 0.000+/-0.000 χ^2/NDF : 53917116.4/52

yield_bpm4aX_mean vs Slug



Right In: -0.549+/-0.000 χ^2/NDF : 47770362.5/24

Left Out: -0.459+/-0.000 χ^2/NDF : 113602161.0/24

Right Out: -0.560+/-0.000 χ^2/NDF : 65682181.2/29

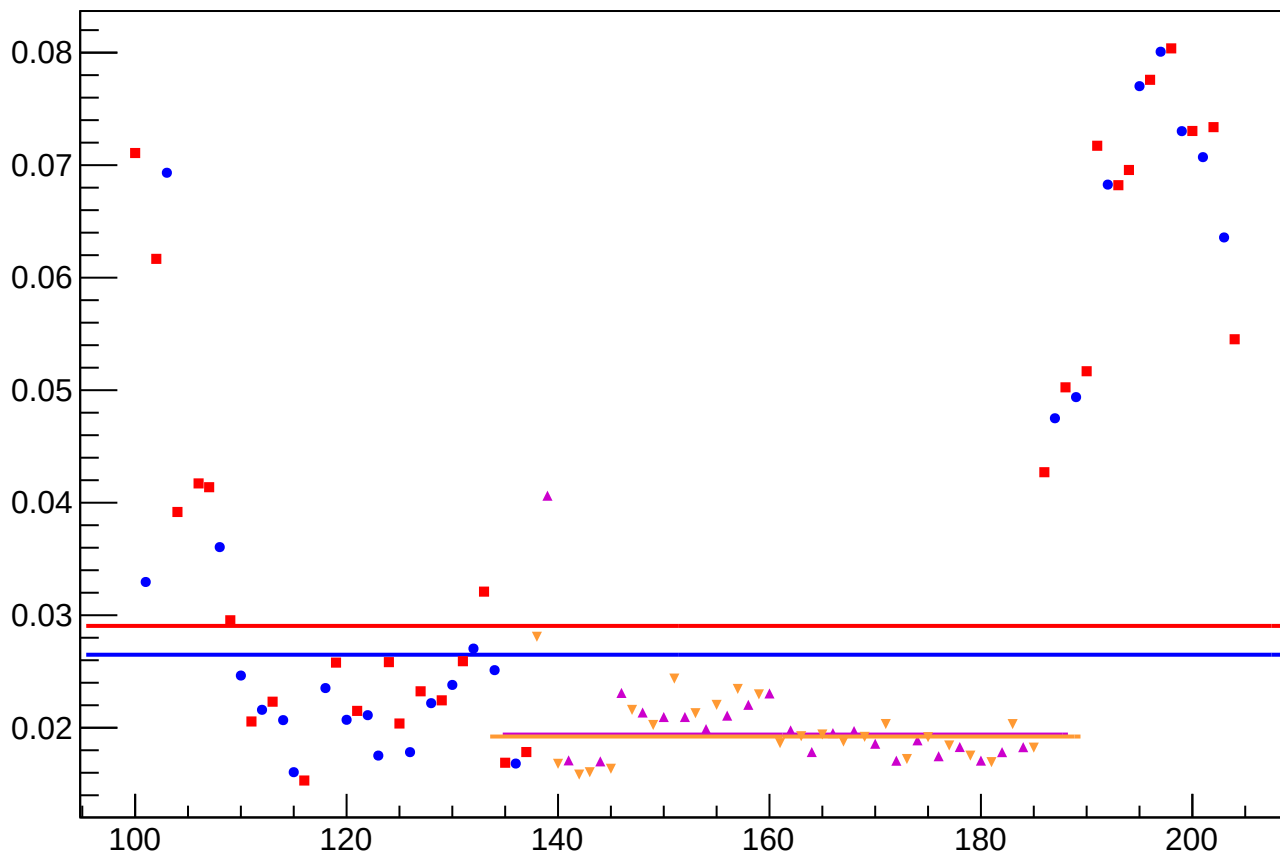
Left In: -0.450+/-0.000 χ^2/NDF : 76117957.8/22

+ sign -0.480+/-0.000 χ^2/NDF : 234745097.1/49

All: -0.478+/-0.000 χ^2/NDF : 484071644.5/10

- sign -0.476+/-0.000 χ^2/NDF : 248987516.4/52

yield_bpm4aX_rms vs Slug



Right In: 0.026+/-0.000 χ^2/NDF : 5418418.9/24

Left Out: 0.019+/-0.000 χ^2/NDF :501711.6/24

Right Out: 0.029+/-0.000 χ^2/NDF : 6035068.7/29

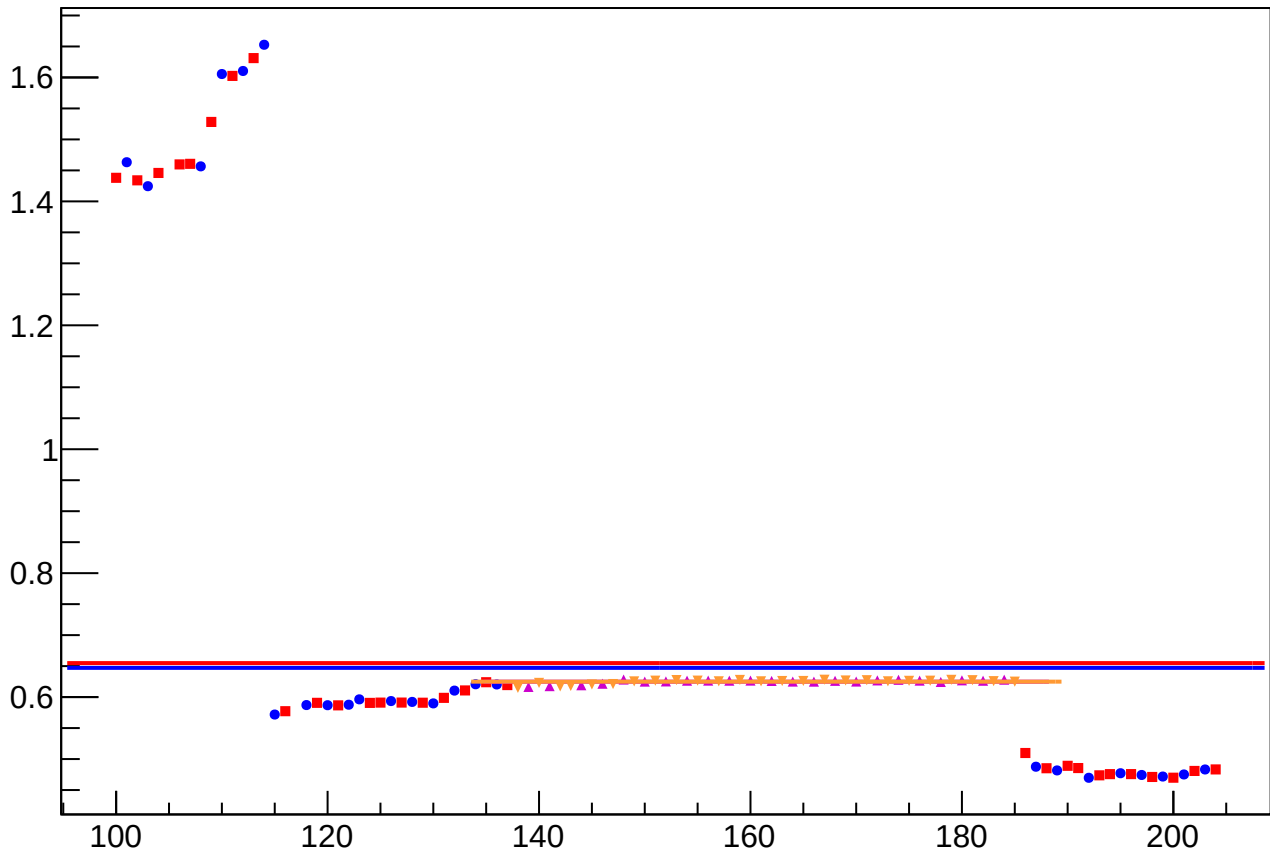
Left In: 0.019+/-0.000 χ^2/NDF :626443.5/22

+ sign 0.021+/-0.000 χ^2/NDF : 6879112.7/49

All: 0.021+/-0.000 χ^2/NDF : 15221823.6/102

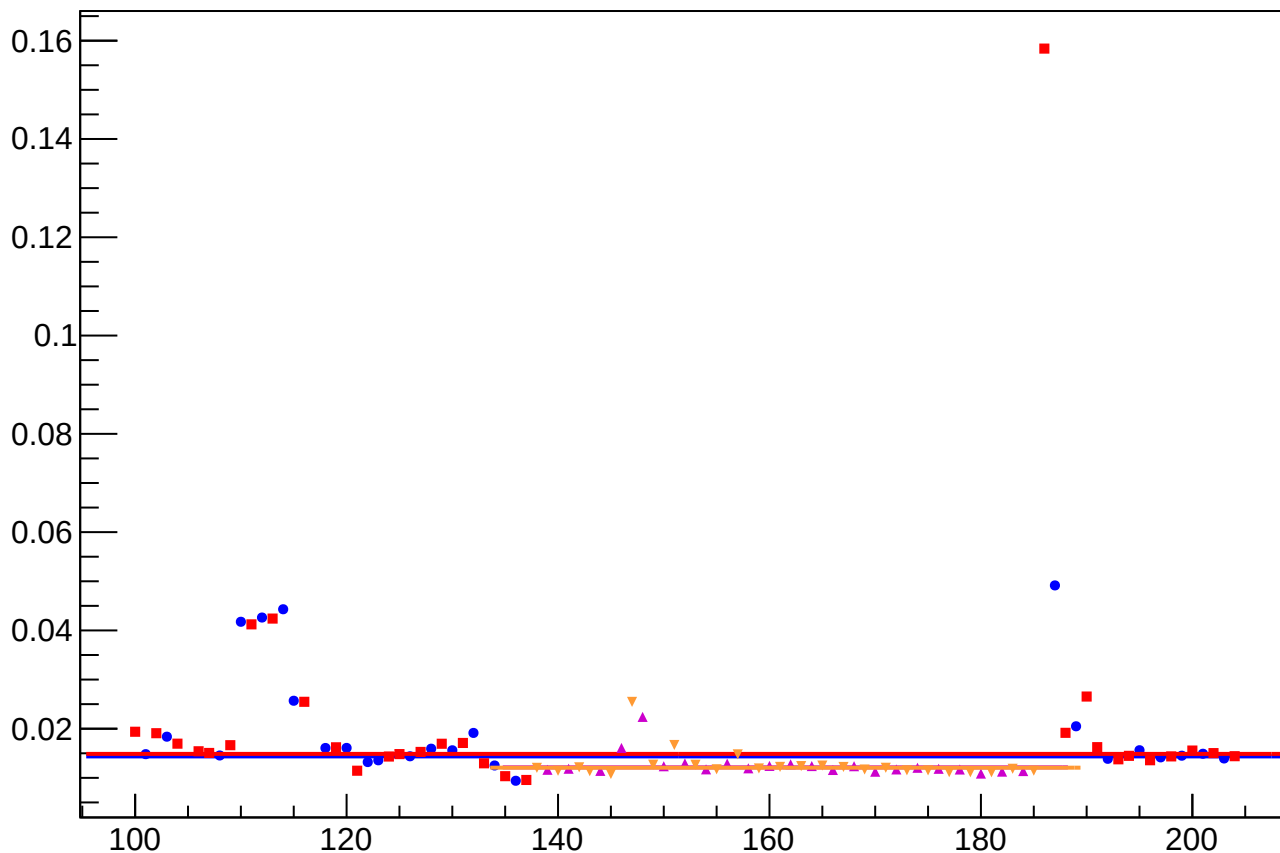
- sign 0.022+/-0.000 χ^2/NDF : 8308015.5/52

yield_bpm4aY_mean vs Slug



Right In: 0.647 ± 0.000 $\chi^2/\text{NDF}: 4841792181.3/24$ + sign 0.632 ± 0.000 $\chi^2/\text{NDF}: 4861362607.5/49$
 Left Out: 0.625 ± 0.000 $\chi^2/\text{NDF}: 1445169.1/24$ All: 0.633 ± 0.000 $\chi^2/\text{NDF}: 10834508580.1/100$
 Right Out: 0.655 ± 0.000 $\chi^2/\text{NDF}: 5937388051.0/29$ - sign 0.635 ± 0.000 $\chi^2/\text{NDF}: 5972312900.7/52$
 Left In: 0.625 ± 0.000 $\chi^2/\text{NDF}: 1143954.1/22$

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1638303.2/24

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:657199.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2079137.1/29

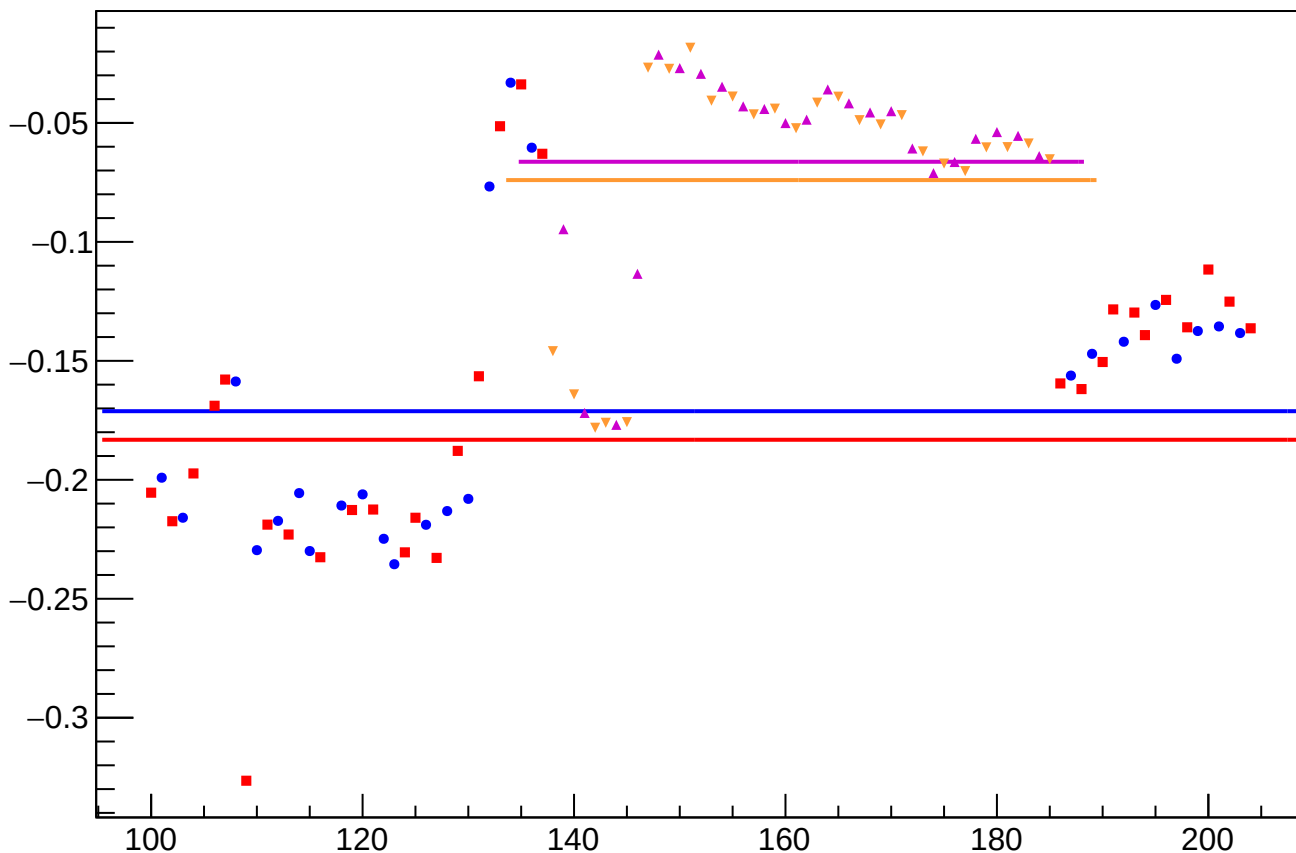
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:488363.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2679992.2/49

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5822961.7/102

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3129680.9/52

yield_bpm4eX_mean vs Slug



Right In: -0.171+/-0.000 χ^2/NDF : 68133868.8/24

Left Out: -0.074+/-0.000 χ^2/NDF : 107676601.9/24

Right Out: -0.183+/-0.000 χ^2/NDF : 86269099.9/29

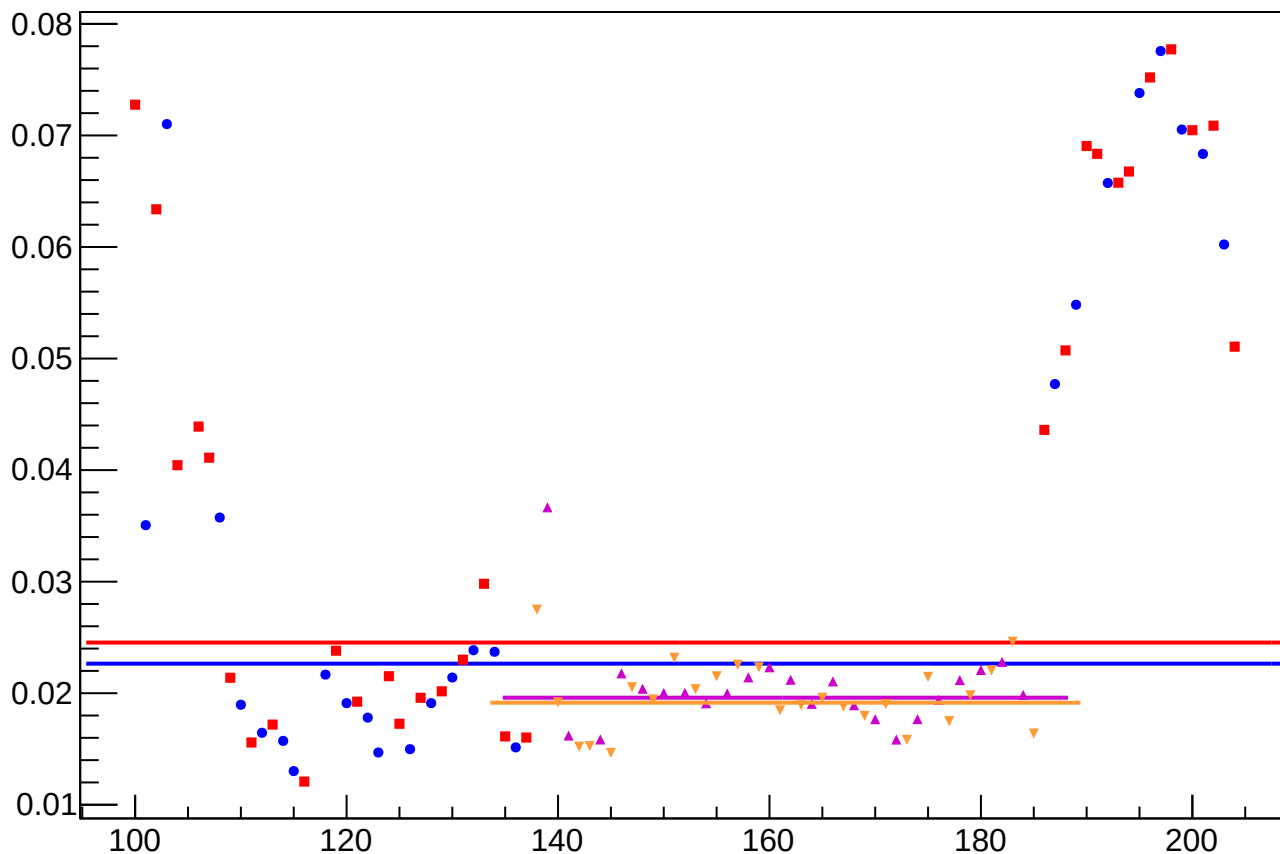
Left In: -0.066+/-0.000 χ^2/NDF : 76243051.8/22

+ sign -0.100+/-0.000 χ^2/NDF : 280707759.7/49

All: -0.100+/-0.000 χ^2/NDF : 590412572.1/10

- sign -0.100+/-0.000 χ^2/NDF : 309704784.0/52

yield_bpm4eX_rms vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 6289471.5/24

Left Out: 0.019+/-0.000 χ^2/NDF : 641277.0/24

Right Out: 0.025+/-0.000 χ^2/NDF : 7332713.0/29

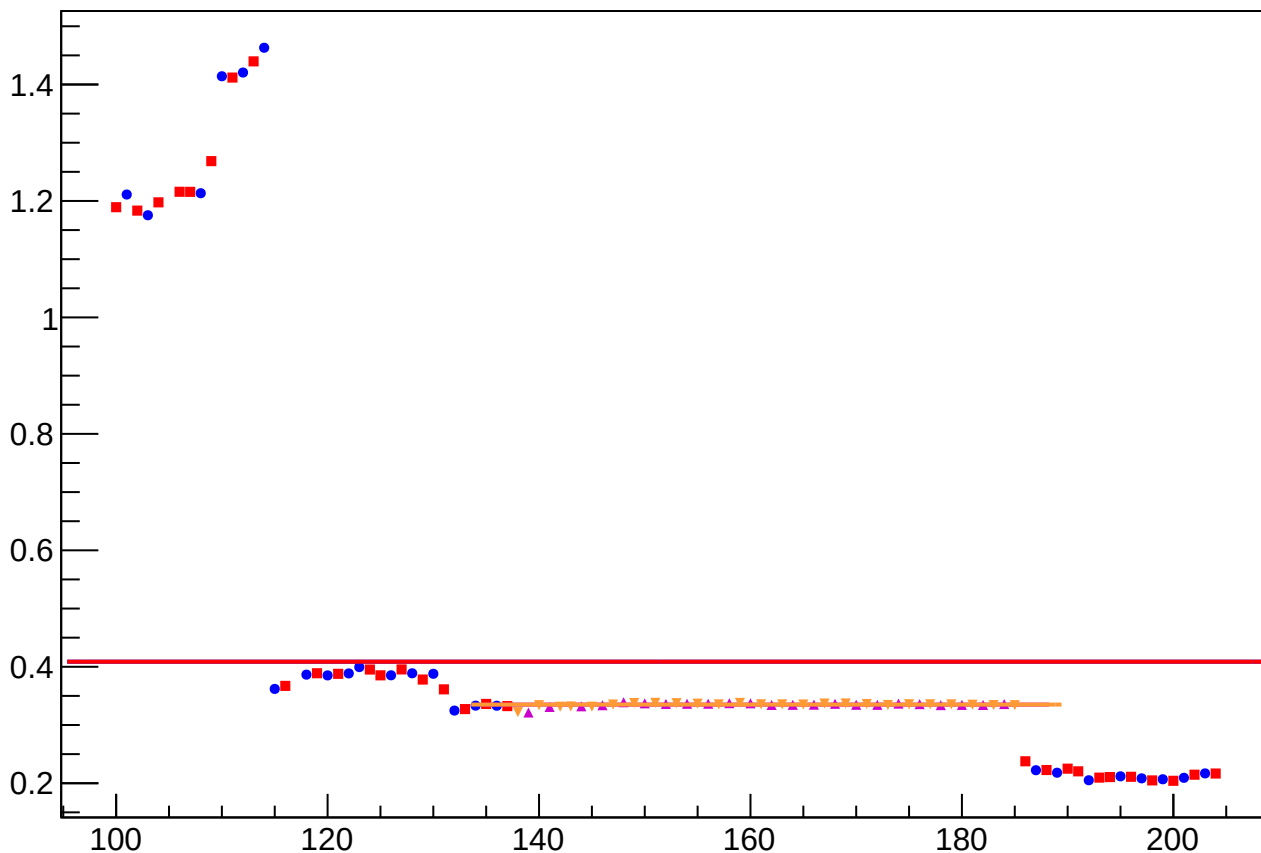
Left In: 0.020+/-0.000 χ^2/NDF : 623148.2/22

+ sign 0.020+/-0.000 χ^2/NDF : 7202942.5/49

All: 0.021+/-0.000 χ^2/NDF : 15733488.7/102

- sign 0.021+/-0.000 χ^2/NDF : 8482876.3/52

yield_bpm4eY_mean vs Slug



Right In: 0.409 $\pm$ 0.000 χ^2 /NDF: 7148554865.8/24

Left Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1154310.3/24

Right Out: 0.409 $\pm$ 0.000 χ^2 /NDF: 8381001590.1/29

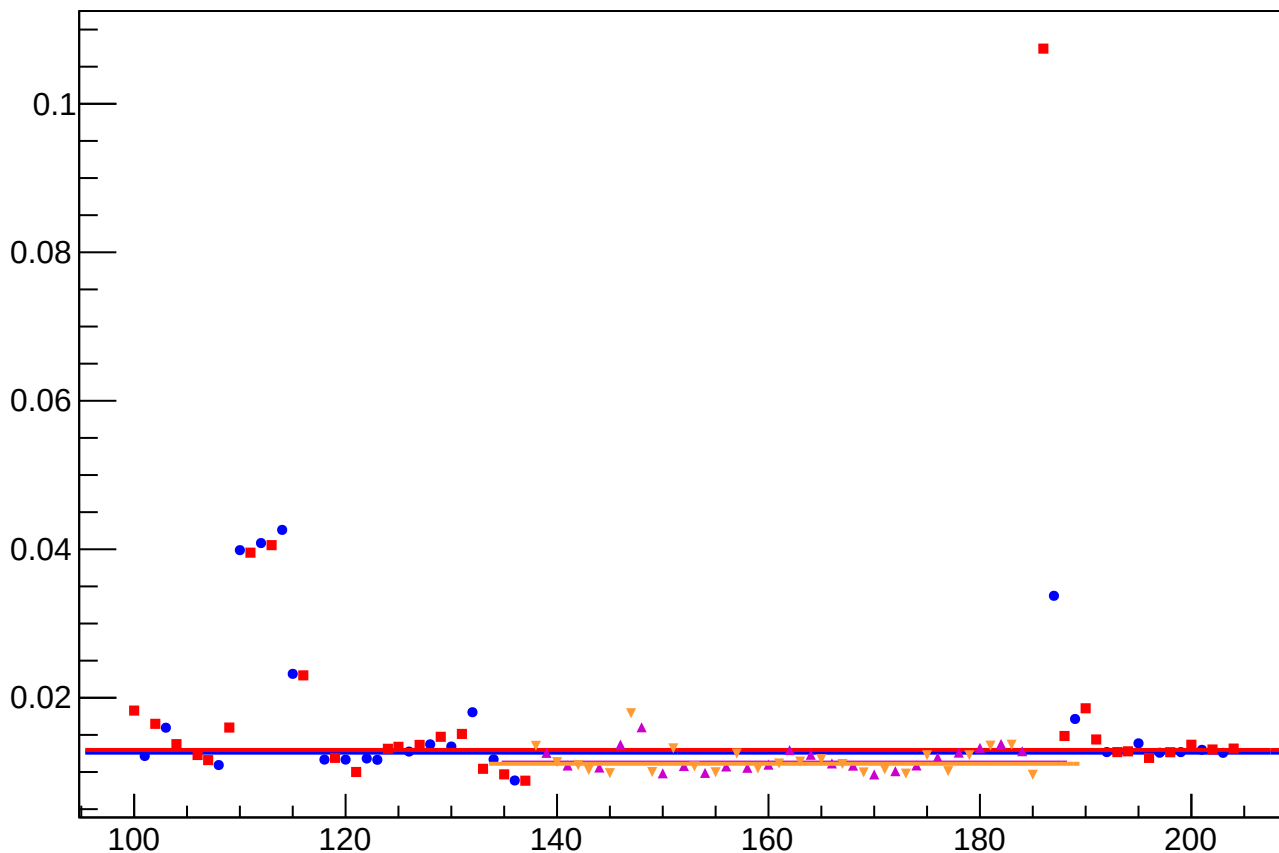
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1202194.8/22

+ sign 0.359 $\pm$ 0.000 χ^2 /NDF: 7399142089.2/49

All: 0.360 $\pm$ 0.000 χ^2 /NDF: 16037127660.3/100

- sign 0.362 $\pm$ 0.000 χ^2 /NDF: 8637272196.4/52

yield_bpm4eY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 1508608.3/24

Left Out: 0.011+/-0.000 χ^2/NDF : 607532.0/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1937637.7/29

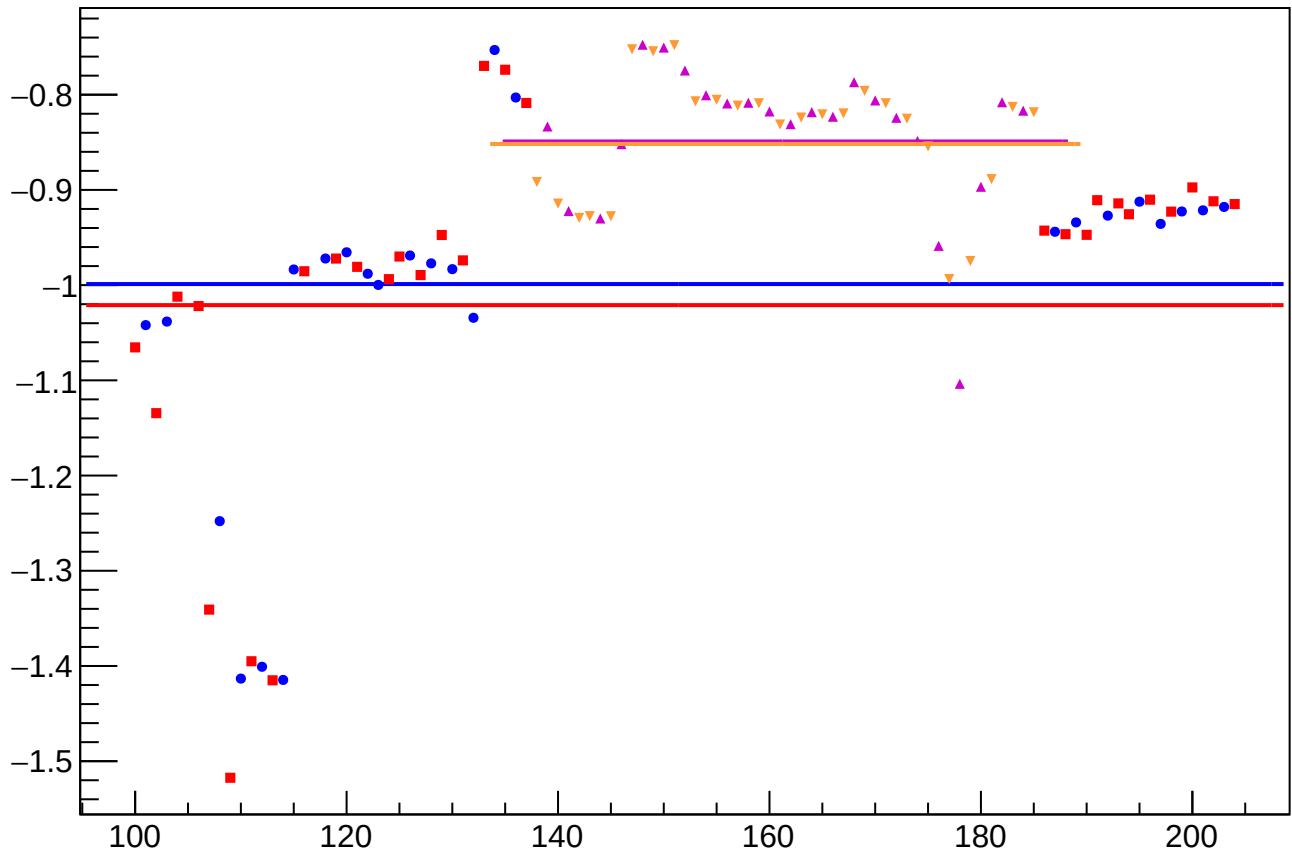
Left In: 0.011+/-0.000 χ^2/NDF : 502455.5/22

+ sign 0.012+/-0.000 χ^2/NDF : 2322358.2/49

All: 0.012+/-0.000 χ^2/NDF : 5050813.3/102

- sign 0.012+/-0.000 χ^2/NDF : 2711329.5/52

yield_bpm4acX_mean vs Slug



Right In: -0.999 ± 0.000 χ^2/NDF : 401175873.2/24

Left Out: -0.852 ± 0.000 χ^2/NDF : 189103962.4/24

Right Out: -1.021 ± 0.000 χ^2/NDF : 555973861.2/29

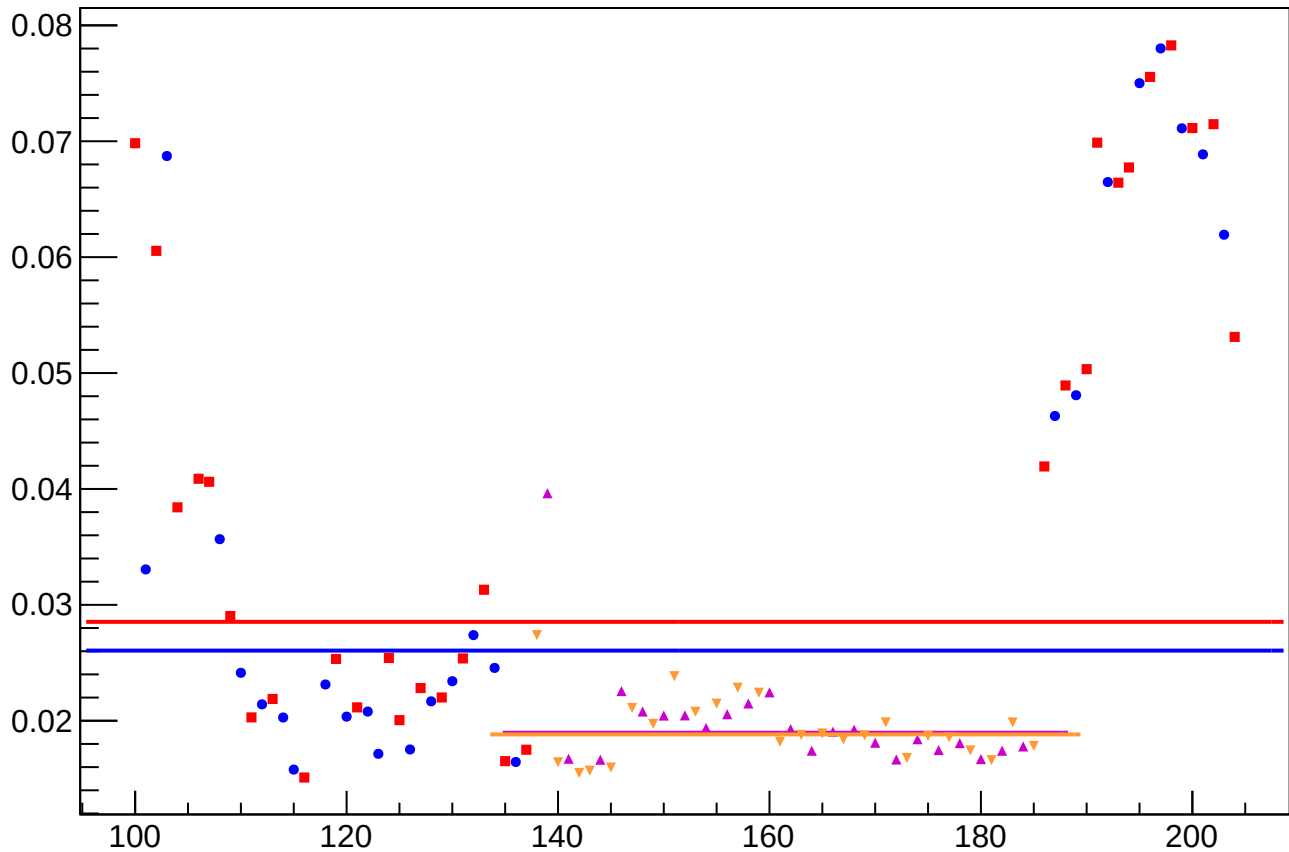
Left In: -0.849 ± 0.000 χ^2/NDF : 256391274.4/22

+ sign -0.885 ± 0.000 χ^2/NDF : 793908537.1/49

All: -0.887 ± 0.000 χ^2/NDF : 1878179054.5/1

- sign -0.890 ± 0.000 χ^2/NDF : 1083630625.4/52

yield_bpm4acX_rms vs Slug



Right In: 0.026 $\pm$ 0.000 χ^2 /NDF: 5396925.3/24

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:490509.4/24

Right Out: 0.029 $\pm$ 0.000 χ^2 /NDF: 5979183.6/29

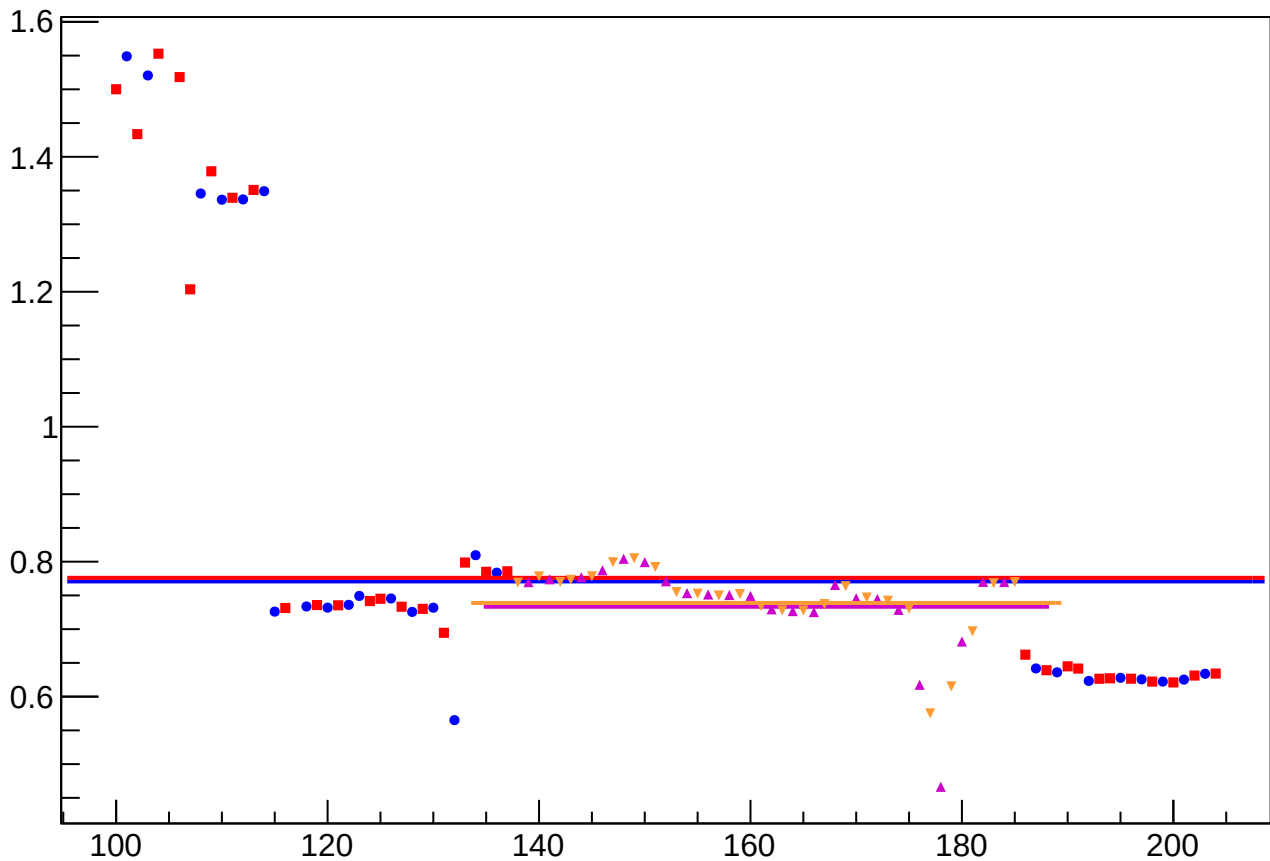
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:615173.8/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 6871085.5/49

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 15178625.5/102

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 8275470.7/52

yield_bpm4acY_mean vs Slug



Right In: 0.771 $\pm$ 0.000 χ^2 /NDF: 3314371564.7/24

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:333013236.5/24

Right Out: 0.776 $\pm$ 0.000 χ^2 /NDF: 3681979655.6/29

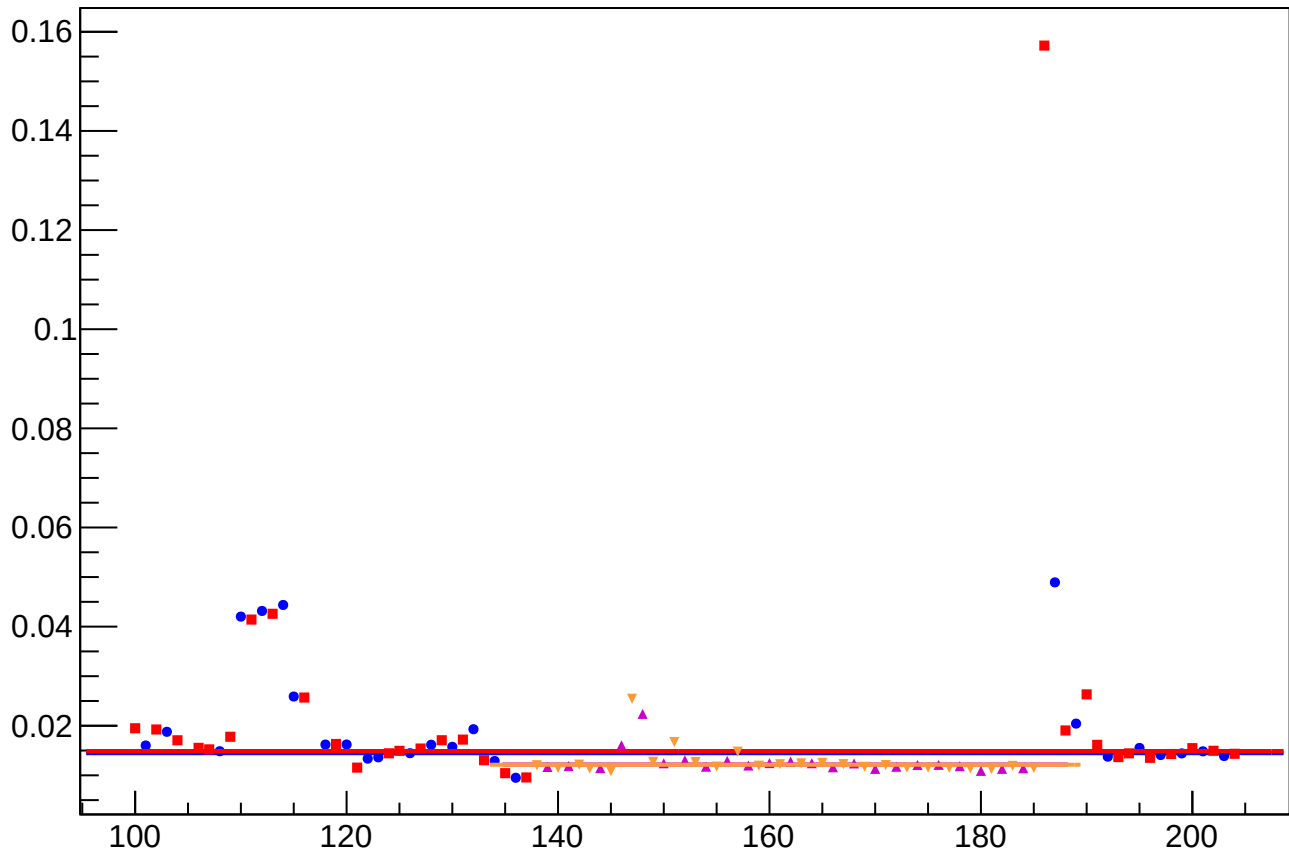
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:569611347.7/22

+ sign 0.748 $\pm$ 0.000 χ^2 /NDF: 3683927672.9/49

All: 0.748 $\pm$ 0.000 χ^2 /NDF: 8003880481.6/10

- sign 0.747 $\pm$ 0.000 χ^2 /NDF: 4319863211.2/52

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1639469.9/24

Left Out: 0.012+/-0.000 χ^2/NDF : 637986.2/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2082909.9/29

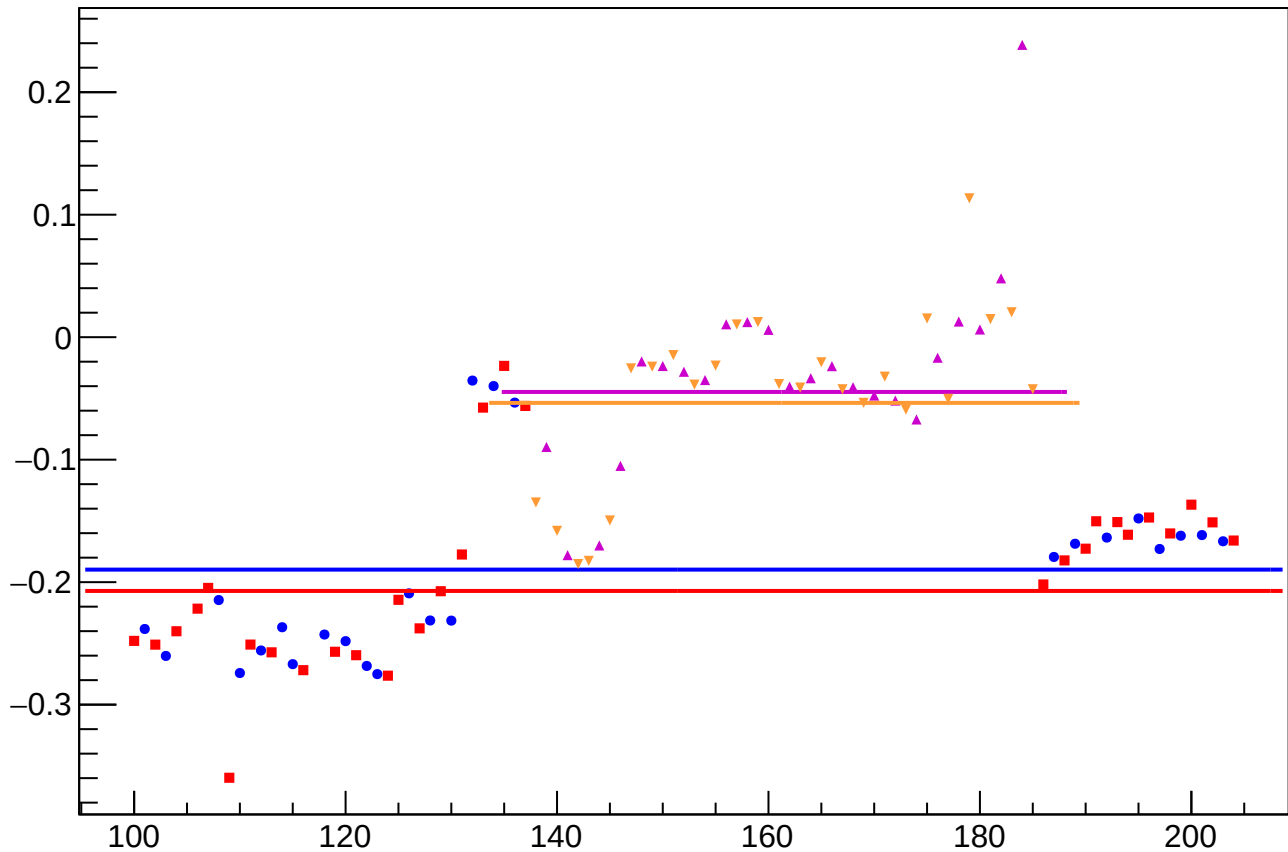
Left In: 0.012+/-0.000 χ^2/NDF : 481830.1/22

+ sign 0.013+/-0.000 χ^2/NDF : 2665428.2/49

All: 0.013+/-0.000 χ^2/NDF : 5790928.5/102

- sign 0.013+/-0.000 χ^2/NDF : 3114631.7/52

yield_bpm4ecX_mean vs Slug



Right In: -0.190 ± 0.000 $\chi^2/\text{NDF}: 107126656.7/24$

Left Out: -0.054 ± 0.000 $\chi^2/\text{NDF}: 167834173.6/24$

Right Out: -0.207 ± 0.000 $\chi^2/\text{NDF}: 114591558.1/29$

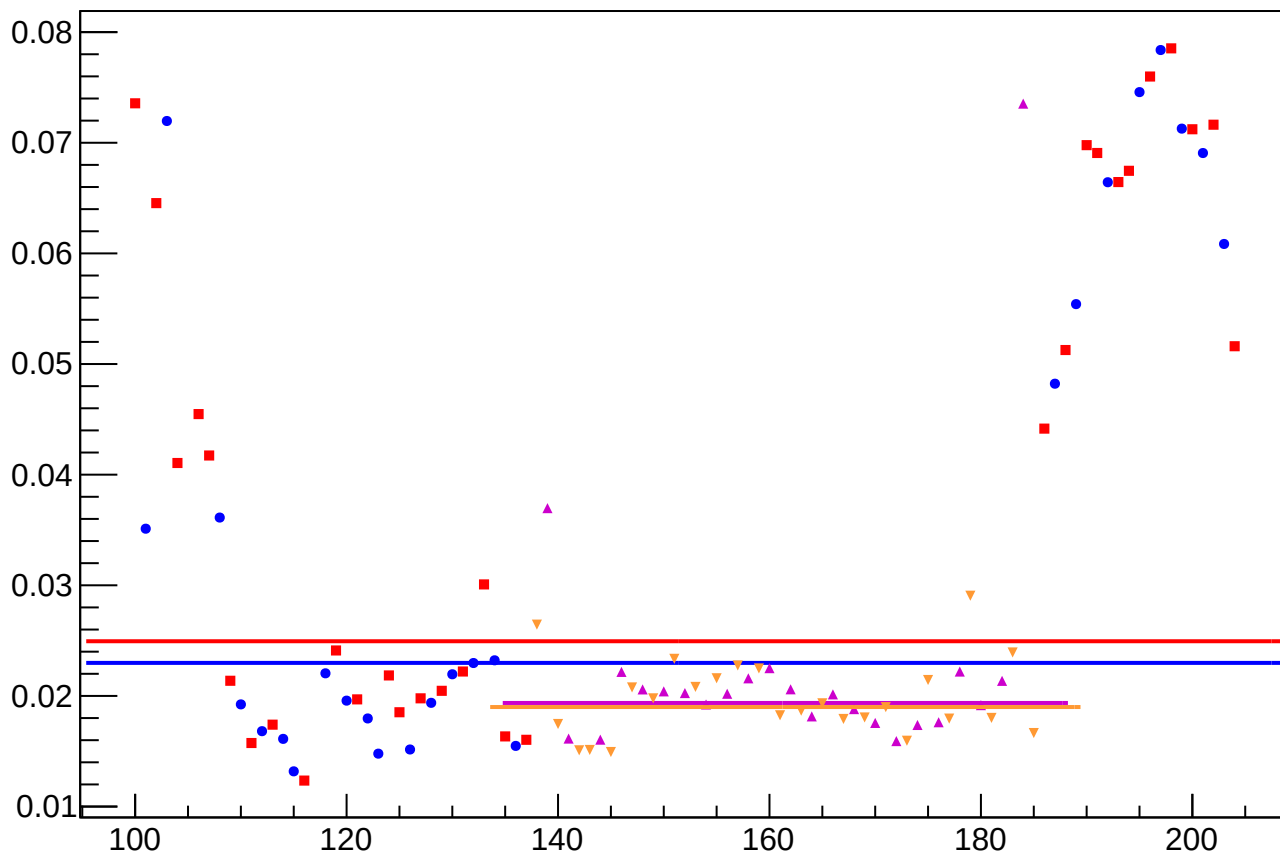
Left In: -0.045 ± 0.000 $\chi^2/\text{NDF}: 127192425.2/22$

+ sign -0.090 ± 0.000 $\chi^2/\text{NDF}: 475986713.8/49$

All: -0.091 ± 0.000 $\chi^2/\text{NDF}: 995572260.5/10$

- sign -0.091 ± 0.000 $\chi^2/\text{NDF}: 519565063.4/52$

yield_bpm4ecX_rms vs Slug



Right In: 0.023 $\pm$ 0.000 χ^2 /NDF: 6240965.6/24

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 700229.7/24

Right Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 7290387.0/29

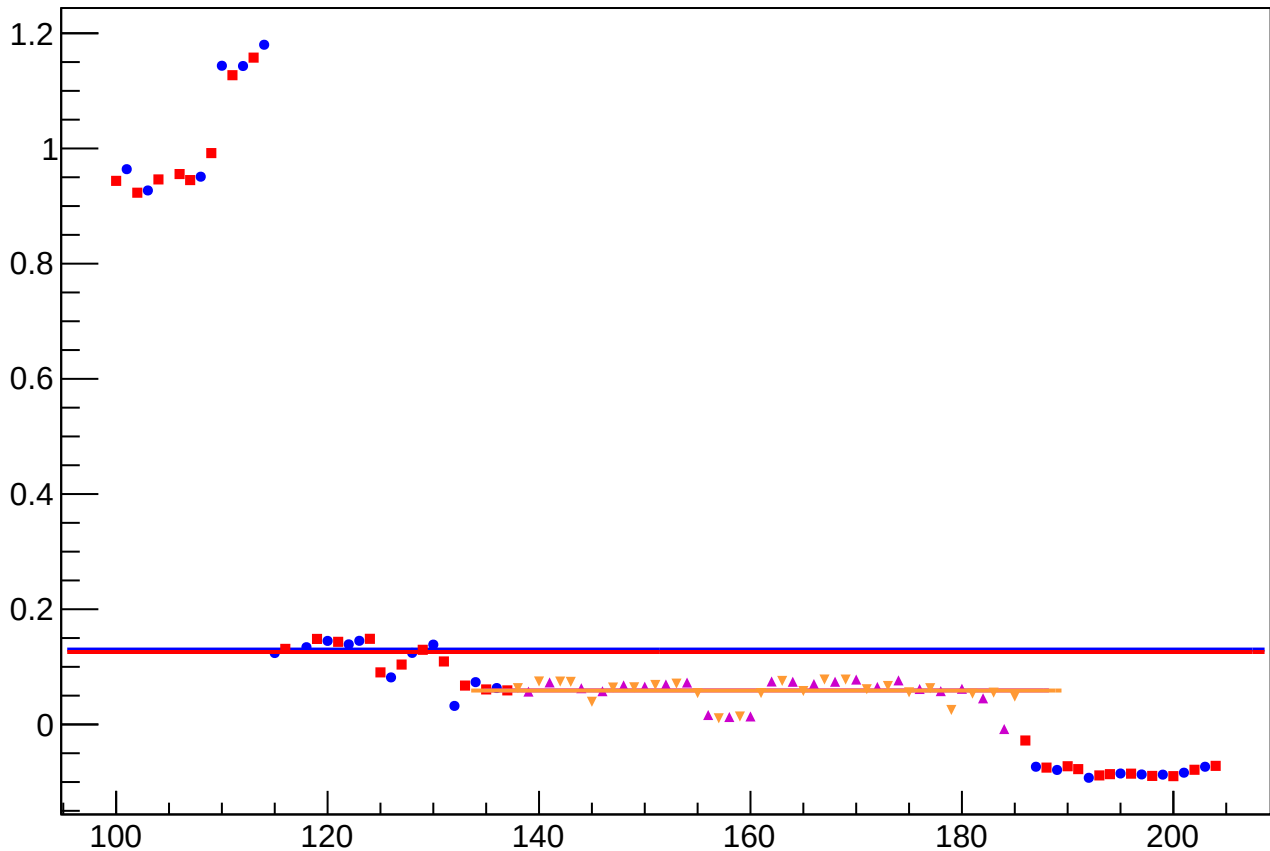
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 858216.8/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 7286798.7/49

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 16132580.3/102

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 8803604.5/52

yield_bpm4ecY_mean vs Slug



Right In: 0.130 $\pm$ 0.000 χ^2 /NDF: 7691260215.5/24

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 46821236.8/24

Right Out: 0.126 $\pm$ 0.000 χ^2 /NDF: 8818476060.3/29

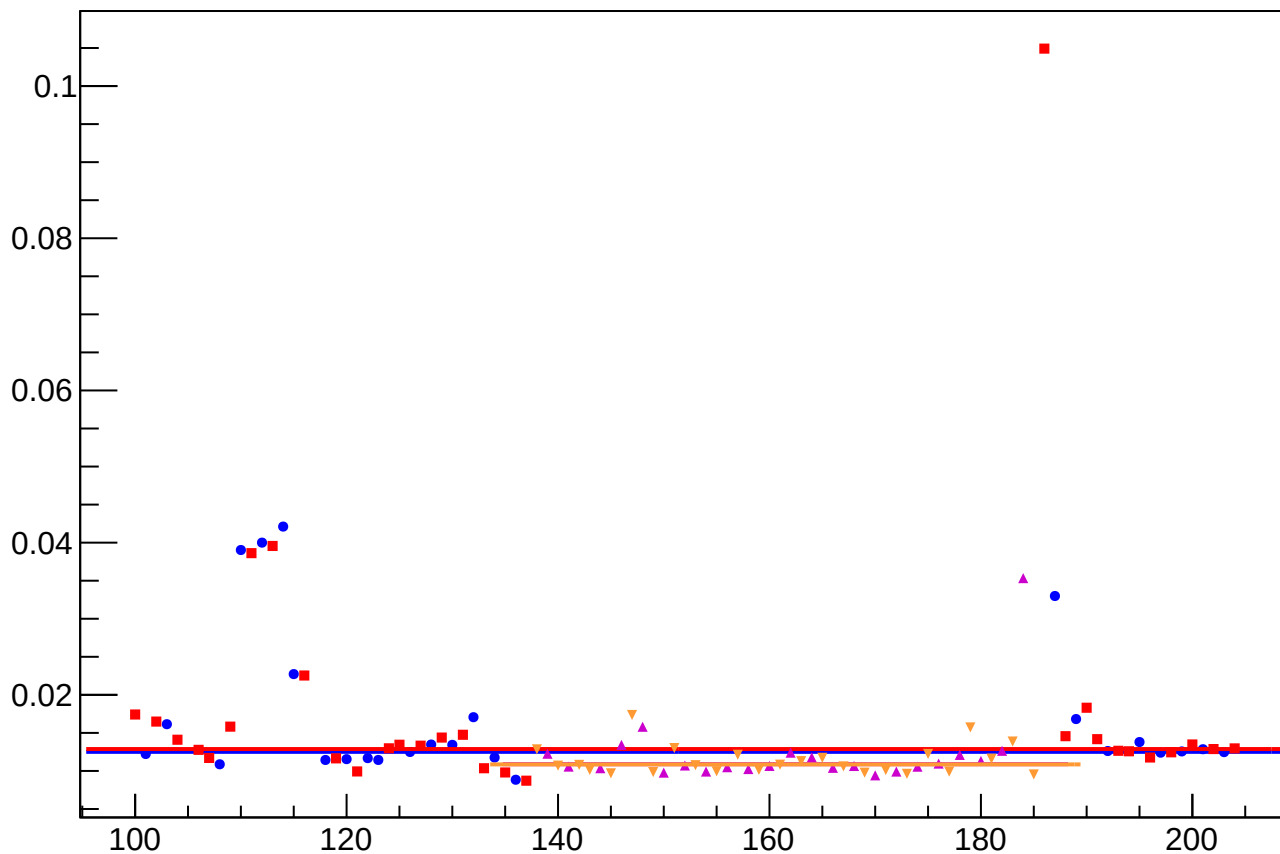
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58518655.0/22

+ sign 0.082 $\pm$ 0.000 χ^2 /NDF: 7974787865.1/49

All: 0.082 $\pm$ 0.000 χ^2 /NDF: 17065981009.6/100

- sign 0.083 $\pm$ 0.000 χ^2 /NDF: 9091132275.7/52

yield_bpm4ecY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 1475207.3/24

Left Out: 0.011+/-0.000 χ^2/NDF : 604787.9/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1892989.5/29

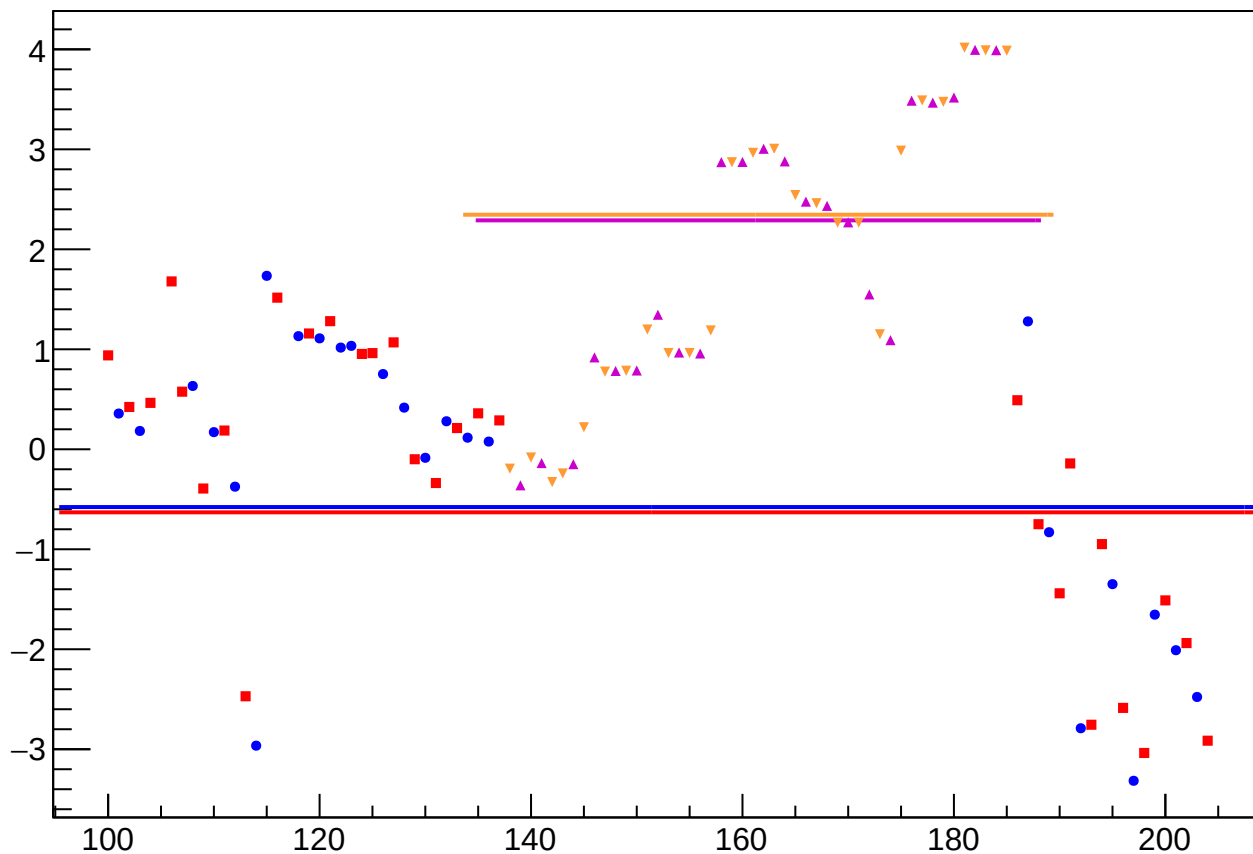
Left In: 0.011+/-0.000 χ^2/NDF : 530077.5/22

+ sign 0.011+/-0.000 χ^2/NDF : 2334735.0/49

All: 0.011+/-0.000 χ^2/NDF : 5146287.0/102

- sign 0.012+/-0.000 χ^2/NDF : 2803208.1/52

yield_bpm1X_mean vs Slug



Right In: -0.578 ± 0.000 $\chi^2/\text{NDF}: 5501126132.3/24$

Left Out: 2.346 ± 0.000 $\chi^2/\text{NDF}: 63481331015.4/24$

Right Out: -0.631 ± 0.000 $\chi^2/\text{NDF}: 7058473692.7/29$

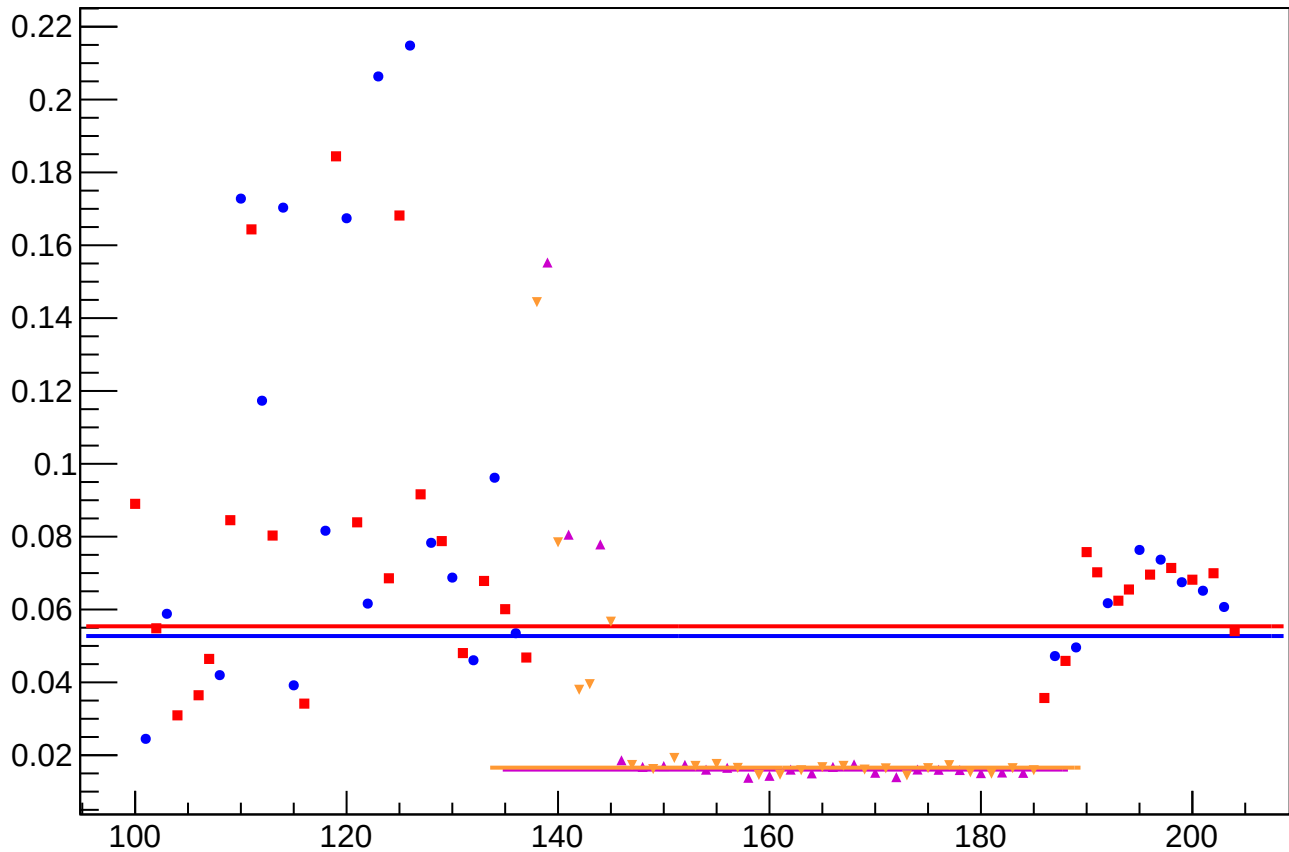
Left In: 2.290 ± 0.000 $\chi^2/\text{NDF}: 60875537647.3/22$

+ sign 2.182 ± 0.000 $\chi^2/\text{NDF}: 93358392773.0/49$

All: 2.145 ± 0.000 $\chi^2/\text{NDF}: 188791861975.6$

- sign 2.109 ± 0.000 $\chi^2/\text{NDF}: 95286086178.3/52$

yield_bpm1X_rms vs Slug



Right In: 0.053+/-0.000 χ^2/NDF : 3499758.3/24

Left Out: 0.017+/-0.000 χ^2/NDF :2621162.1/24

Right Out: 0.055+/-0.000 χ^2/NDF : 2836350.2/29

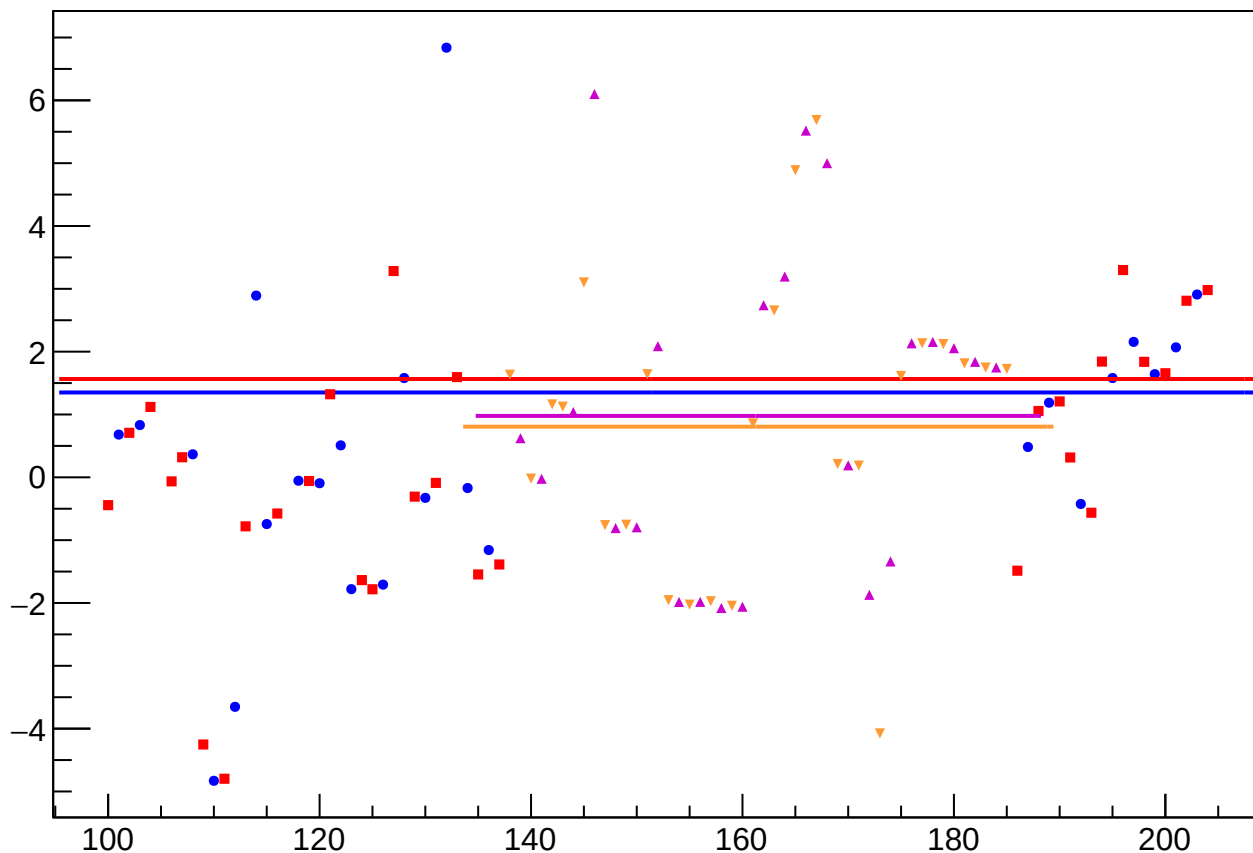
Left In: 0.016+/-0.000 χ^2/NDF :2394376.5/22

+ sign 0.019+/-0.000 χ^2/NDF : 13564942.4/49

All: 0.019+/-0.000 χ^2/NDF : 28727301.0/102

- sign 0.018+/-0.000 χ^2/NDF : 15161493.8/52

yield_bpm1Y_mean vs Slug



Right In: 1.350+/-0.000 χ^2/NDF : 26216645040.5/24

Left Out: 0.806+/-0.000 χ^2/NDF : 507578952196.2/24

Right Out: 1.565+/-0.000 χ^2/NDF : 31507993717.0/29

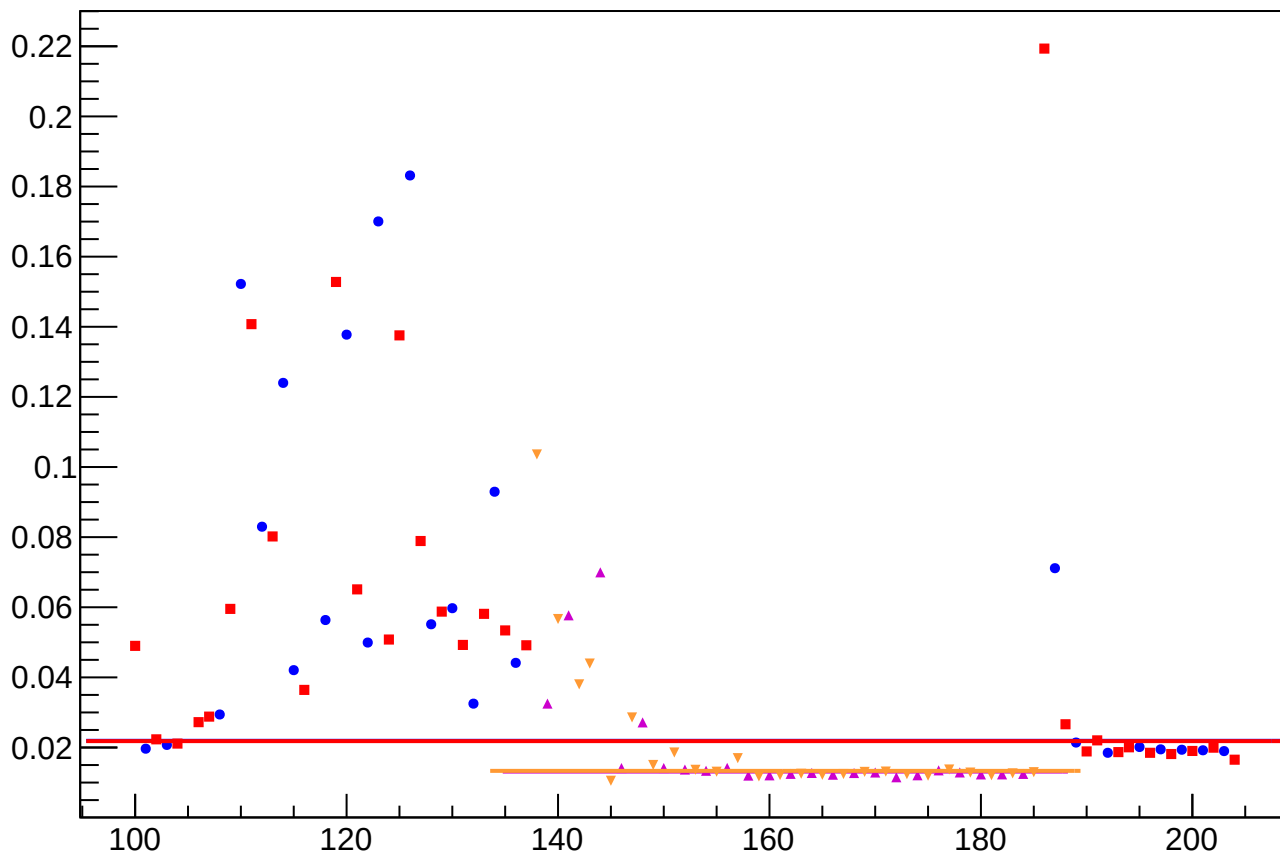
Left In: 0.977+/-0.000 χ^2/NDF : 568209676597.4/22

+ sign 0.893+/-0.000 χ^2/NDF : 537821453406.6/49

All: 0.990+/-0.000 χ^2/NDF : 1144801545043.

- sign 1.085+/-0.000 χ^2/NDF : 605093851794.4/52

yield_bpm1Y_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 3779533.9/24

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:2829753.9/24

Right Out: 0.022 $\pm$ 0.000 χ^2 /NDF: 4917339.4/29

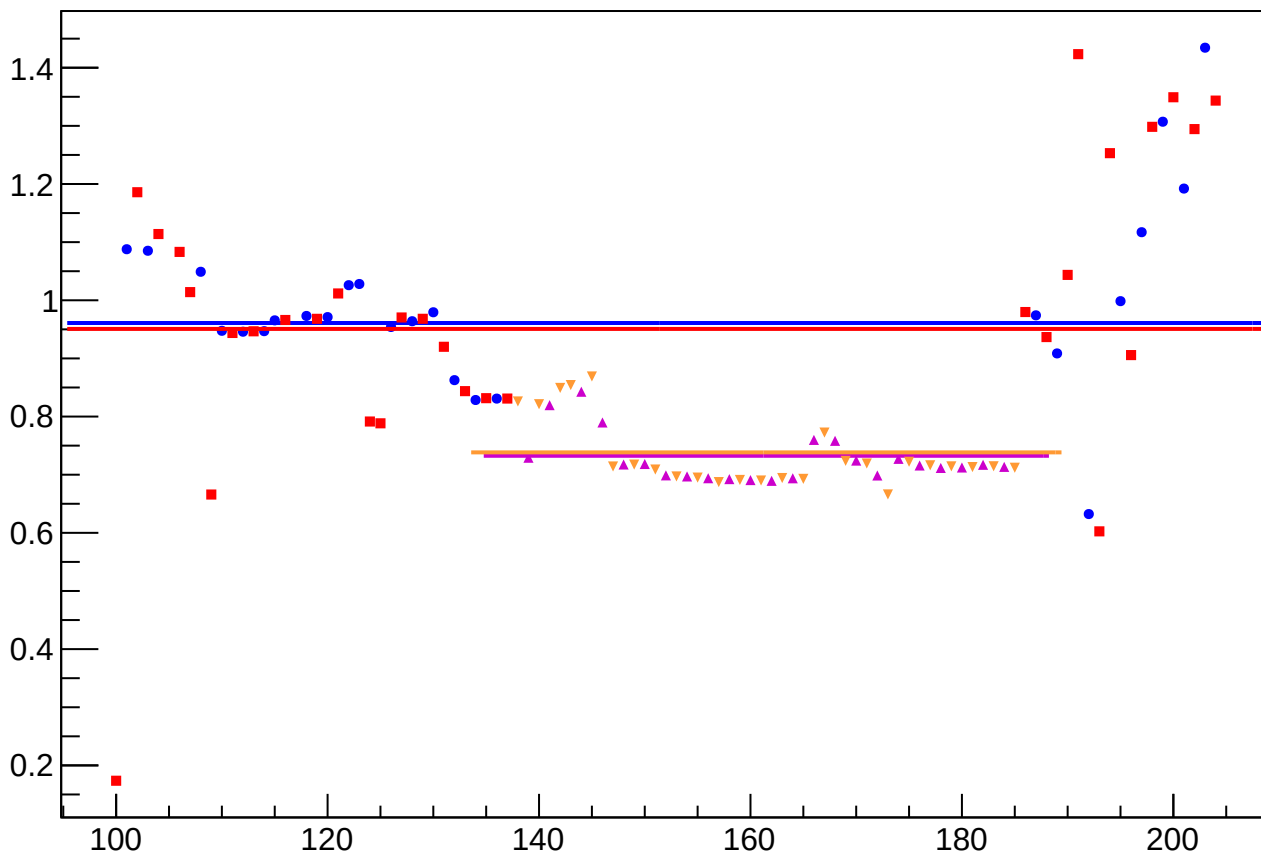
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:1946693.6/22

+ sign 0.015 $\pm$ 0.000 χ^2 /NDF: 8604346.4/49

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 17816439.9/102

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 9212067.5/52

yield_bpm11X_mean vs Slug



Right In: 0.961 $\pm$ 0.000 χ^2 /NDF: 565682635.0/24

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF: 310195180.4/24

Right Out: 0.951 $\pm$ 0.000 χ^2 /NDF: 995231657.9/29

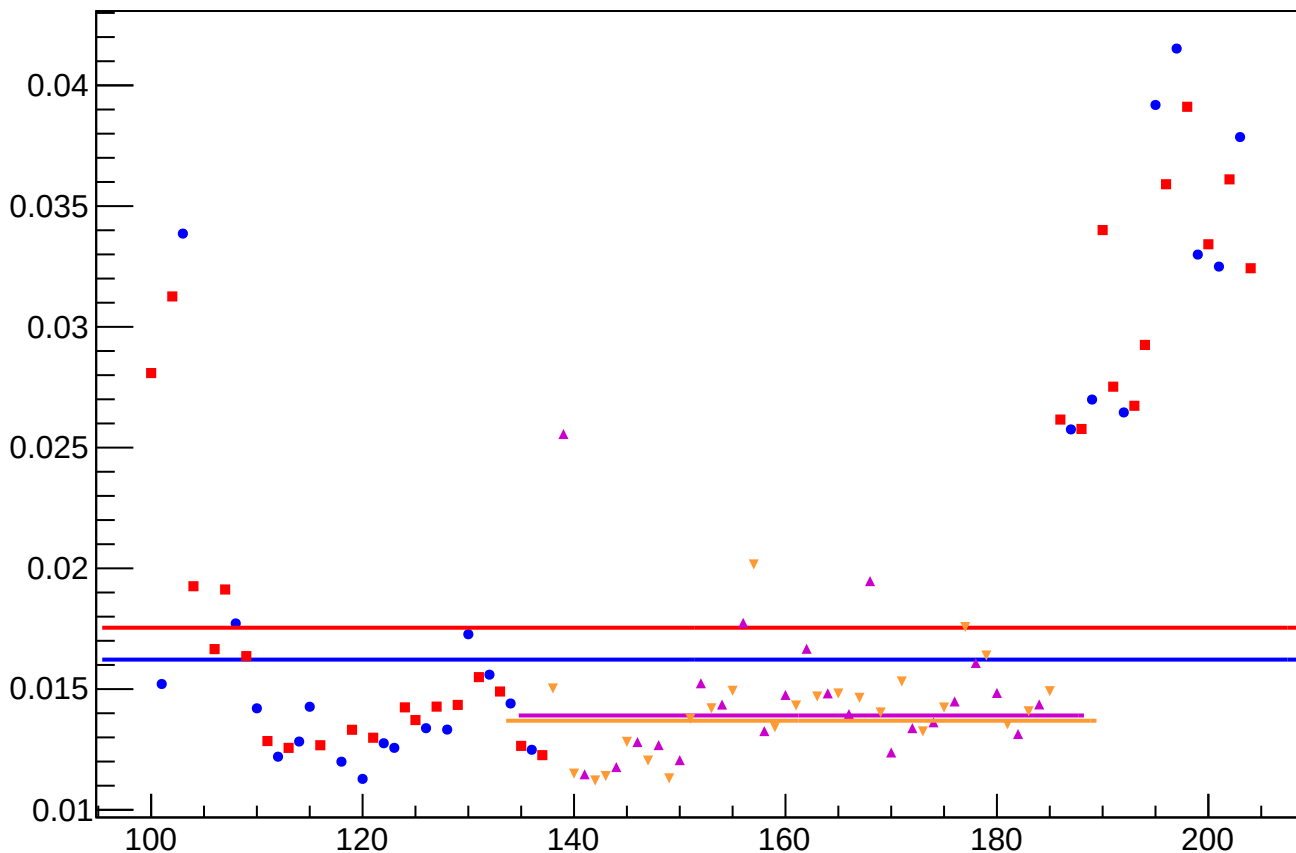
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF: 170102394.7/22

+ sign 0.804 $\pm$ 0.000 χ^2 /NDF: 2127570261.2/49

All: 0.802 $\pm$ 0.000 χ^2 /NDF: 4482724284.2/10

- sign 0.801 $\pm$ 0.000 χ^2 /NDF: 2354711244.3/52

yield_bpm11X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 3642064.3/24

Left Out: 0.014+/-0.000 χ^2/NDF : 528480.6/24

Right Out: 0.018+/-0.000 χ^2/NDF : 3702664.7/29

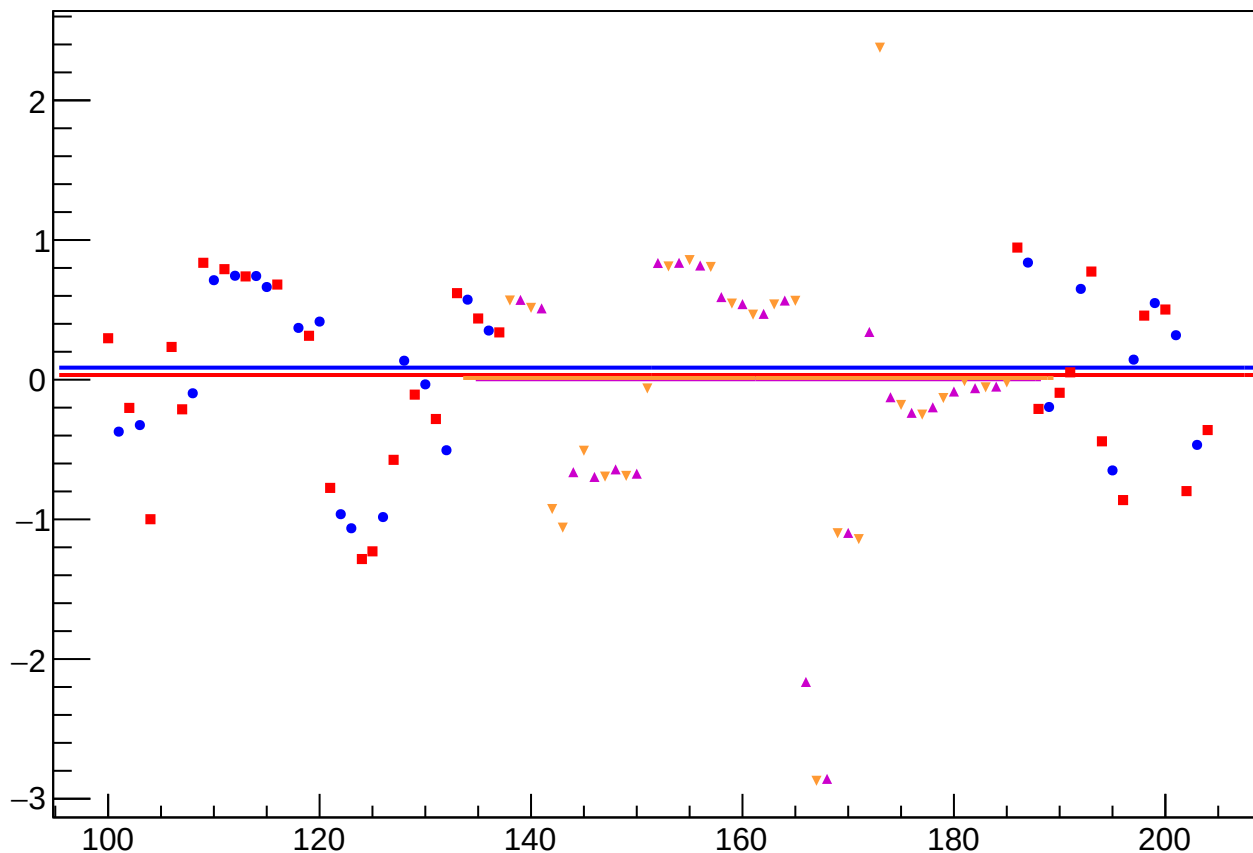
Left In: 0.014+/-0.000 χ^2/NDF : 768161.9/22

+ sign 0.014+/-0.000 χ^2/NDF : 4494456.6/49

All: 0.015+/-0.000 χ^2/NDF : 9670051.0/102

- sign 0.015+/-0.000 χ^2/NDF : 5130844.7/52

yield_bpm11Y_mean vs Slug



Right In: 0.086 $\pm$ 0.000 χ^2 /NDF: 15805978425.2/24

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 96383858927.1/24

Right Out: 0.034 $\pm$ 0.000 χ^2 /NDF: 28168823121.3/29

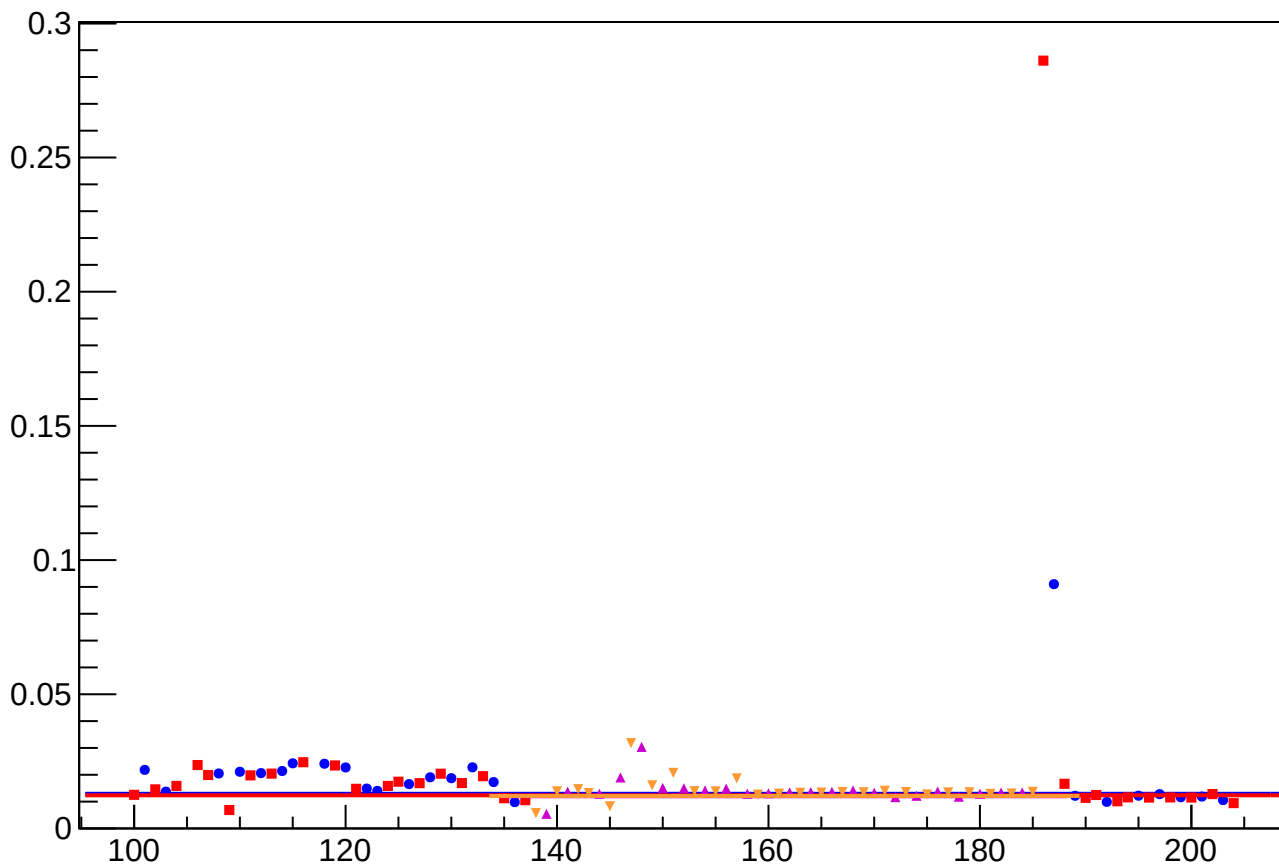
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 78826489573.0/22

+ sign 0.039 $\pm$ 0.000 χ^2 /NDF: 112404138736.1/49

All: 0.027 $\pm$ 0.000 χ^2 /NDF: 219486344893.0

- sign 0.016 $\pm$ 0.000 χ^2 /NDF: 107035775681.5/52

yield_bpm11Y_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1940730.7/24

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3105238.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 2655396.3/29

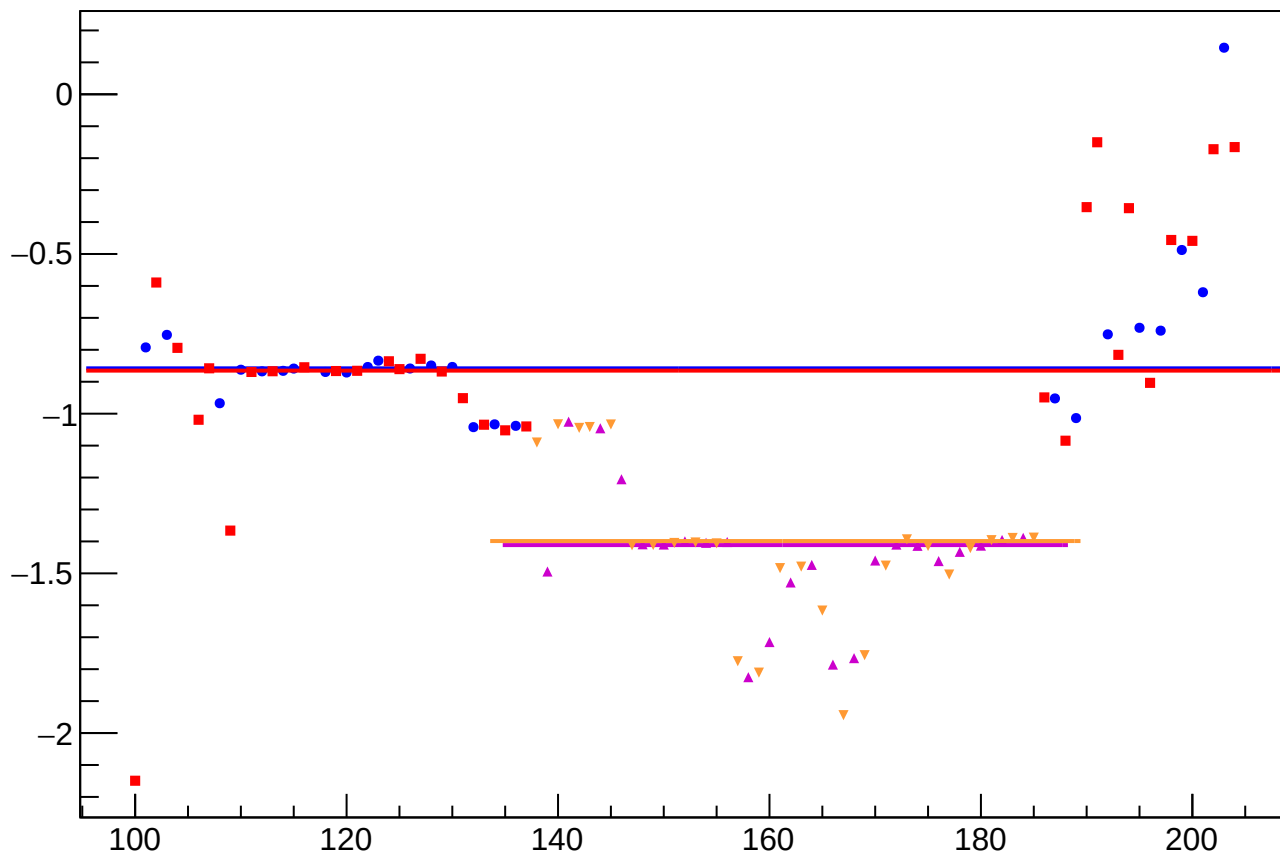
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3003502.9/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5097035.6/49

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 10777914.3/102

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5669929.7/52

yield_bpm12X_mean vs Slug



Right In: -0.858 ± 0.000 $\chi^2/\text{NDF}: 169924723.8/24$

Left Out: -1.399 ± 0.000 $\chi^2/\text{NDF}: 738251911.1/24$

Right Out: -0.865 ± 0.000 $\chi^2/\text{NDF}: 368270105.8/29$

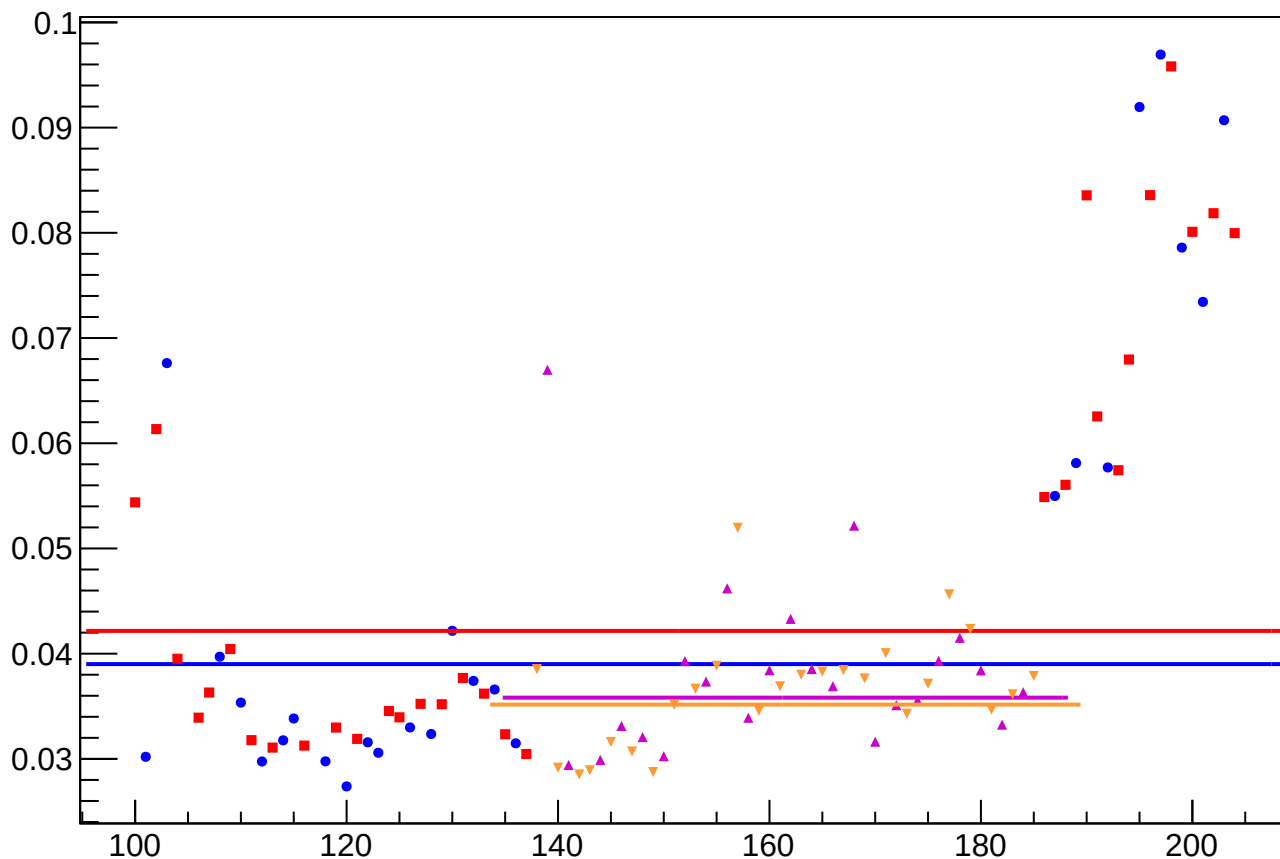
Left In: -1.411 ± 0.000 $\chi^2/\text{NDF}: 512547995.0/22$

+ sign -1.222 ± 0.000 $\chi^2/\text{NDF}: 2149380245.1/49$

All: -1.221 ± 0.000 $\chi^2/\text{NDF}: 4273421827.2/1$

- sign -1.220 ± 0.000 $\chi^2/\text{NDF}: 2124020843.9/52$

yield_bpm12X_rms vs Slug



Right In: 0.039 $\pm$ 0.000 χ^2 /NDF: 3277770.8/24

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF:595219.5/24

Right Out: 0.042 $\pm$ 0.000 χ^2 /NDF: 3204520.6/29

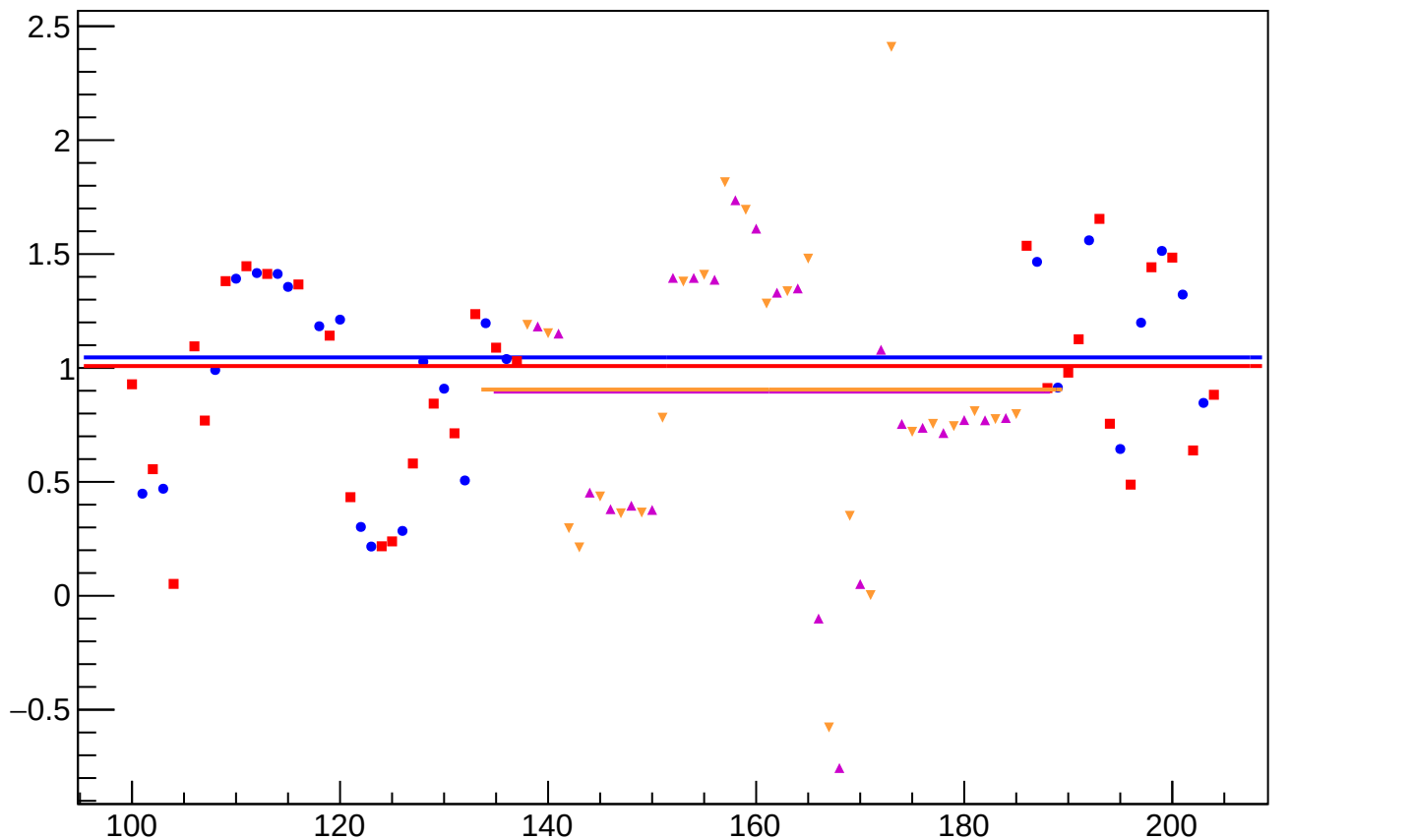
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF:864147.6/22

+ sign 0.036 $\pm$ 0.000 χ^2 /NDF: 3998674.9/49

All: 0.037 $\pm$ 0.000 χ^2 /NDF: 8451928.6/102

- sign 0.038 $\pm$ 0.000 χ^2 /NDF: 4404013.4/52

yield_bpm12Y_mean vs Slug



Right In: 1.046 $\pm$ 0.000 χ^2 /NDF: 18926859945.2/24

Left Out: 0.905 $\pm$ 0.000 χ^2 /NDF: 84265726513.8/24

Right Out: 1.008 $\pm$ 0.000 χ^2 /NDF: 25335455317.6/29

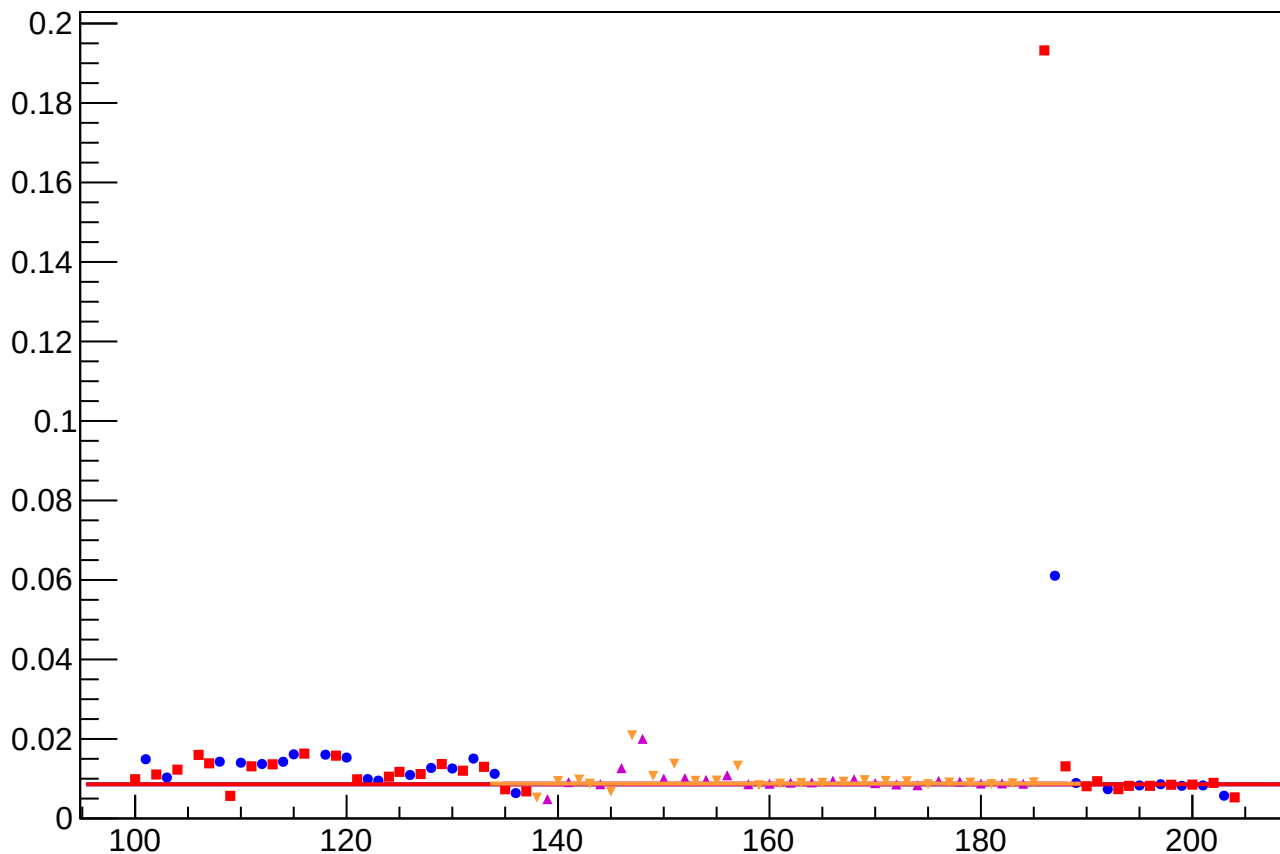
Left In: 0.896 $\pm$ 0.000 χ^2 /NDF: 66594200889.6/22

+ sign 0.960 $\pm$ 0.000 χ^2 /NDF: 104884653050.2/49

All: 0.952 $\pm$ 0.000 χ^2 /NDF: 197975615619.5

- sign 0.945 $\pm$ 0.000 χ^2 /NDF: 93049894633.1/52

yield_bpm12Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 2167322.1/24

Left Out: 0.009+/-0.000 χ^2/NDF :1697568.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 2793719.4/29

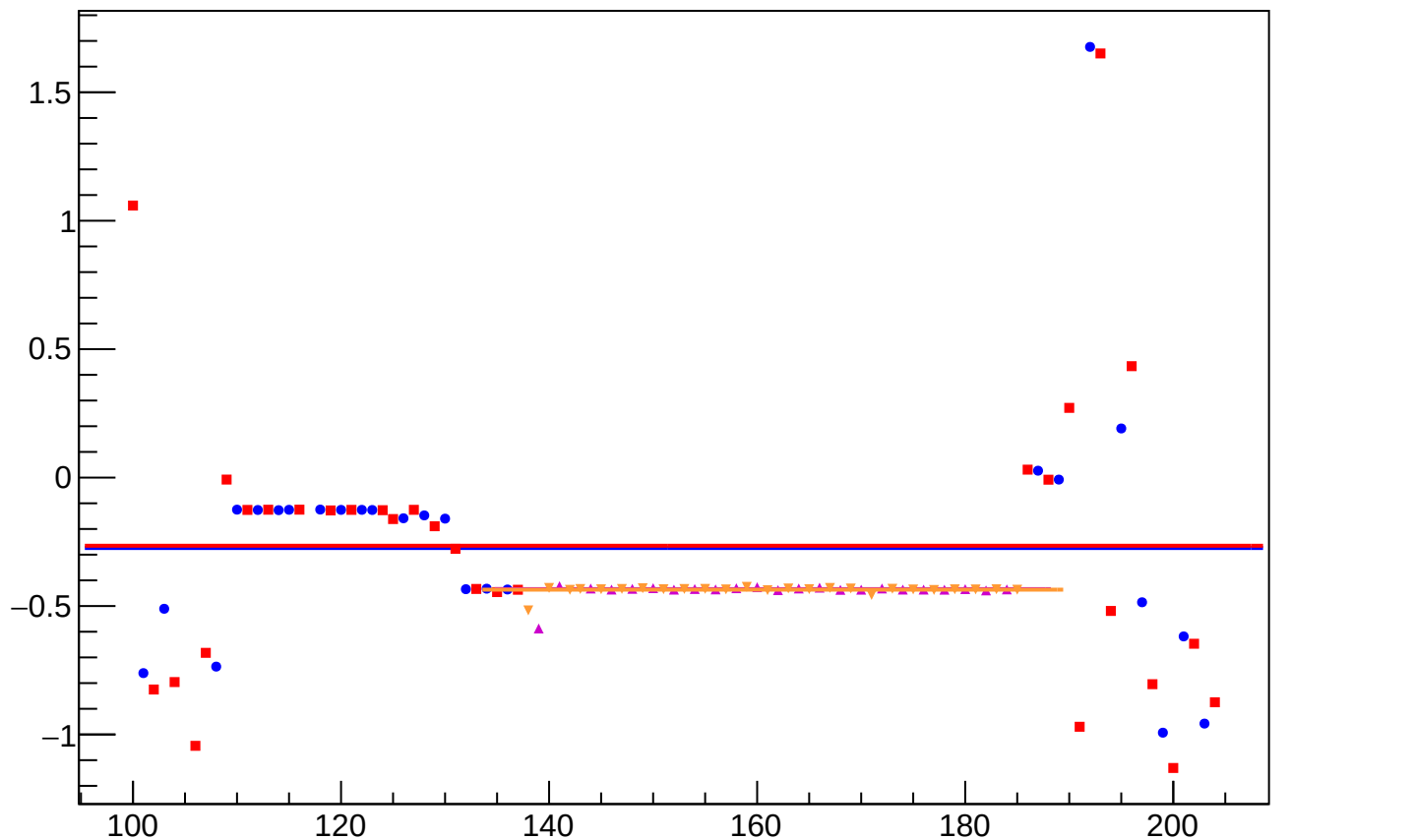
Left In: 0.009+/-0.000 χ^2/NDF :1607939.0/22

+ sign 0.009+/-0.000 χ^2/NDF : 3871163.4/49

All: 0.009+/-0.000 χ^2/NDF : 8278506.1/102

- sign 0.009+/-0.000 χ^2/NDF : 4407315.7/52

yield_bpm16X_mean vs Slug



Right In: -0.274 ± 0.000 $\chi^2/\text{NDF}: 2140121599.0/24$

Left Out: -0.436 ± 0.000 $\chi^2/\text{NDF}: 28774660.0/24$

Right Out: -0.265 ± 0.000 $\chi^2/\text{NDF}: 2157977316.3/29$

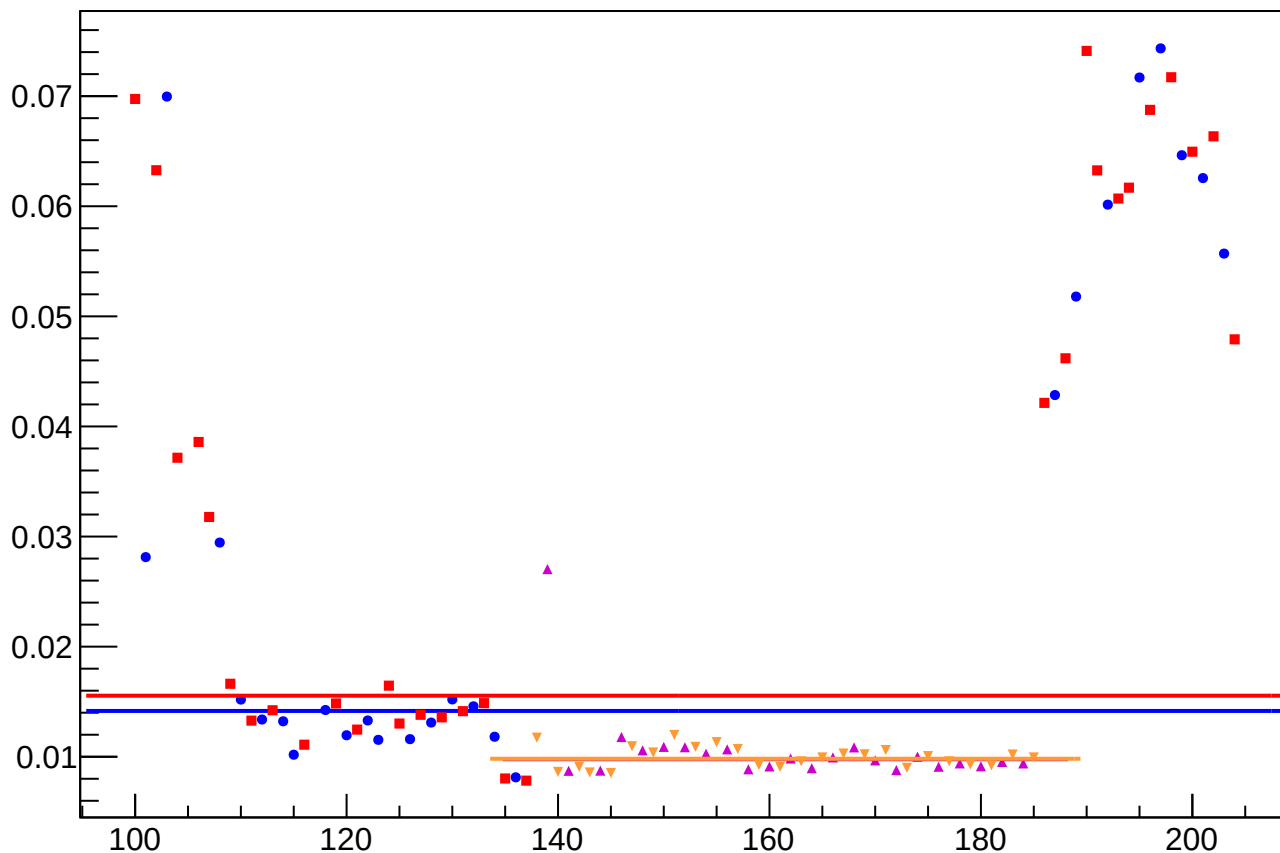
Left In: -0.434 ± 0.000 $\chi^2/\text{NDF}: 23984173.0/22$

+ sign -0.409 ± 0.000 $\chi^2/\text{NDF}: 2895812290.0/49$

All: -0.407 ± 0.000 $\chi^2/\text{NDF}: 5829322054.2/1$

- sign -0.405 ± 0.000 $\chi^2/\text{NDF}: 2932242544.4/52$

yield_bpm16X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 8245337.7/24

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:269242.6/24

Right Out: 0.016 $\pm$ 0.000 χ^2 /NDF: 9829587.2/29

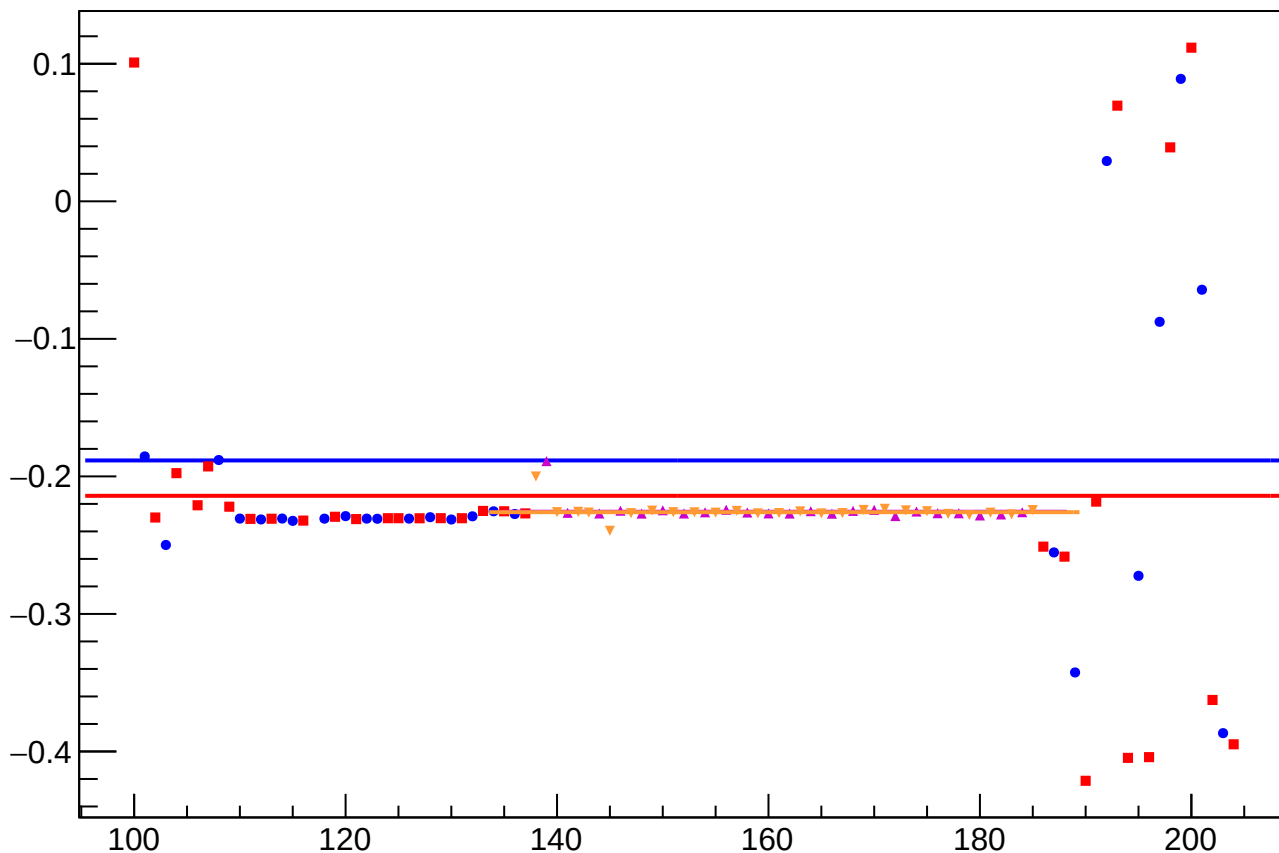
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:747550.0/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 9557597.7/49

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 21897128.7/102

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 12331079.6/52

yield_bpm16Y_mean vs Slug



Right In: -0.188 ± 0.000 χ^2/NDF : 5265641466.5/24

Left Out: -0.226 ± 0.000 χ^2/NDF : 21205667.4/24

Right Out: -0.214 ± 0.000 χ^2/NDF : 8458120657.8/29

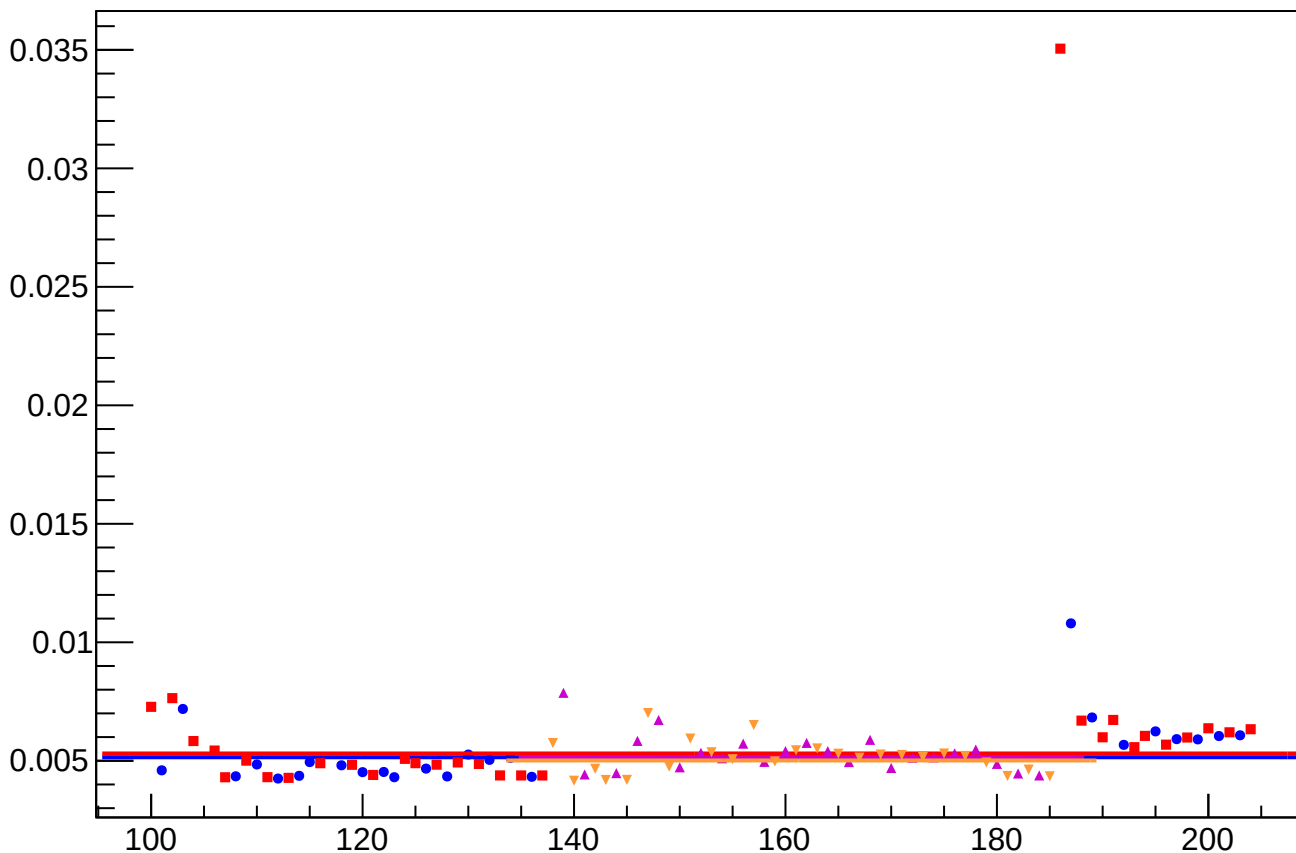
Left In: -0.226 ± 0.000 χ^2/NDF : 15245251.1/22

+ sign -0.212 ± 0.000 χ^2/NDF : 5653133317.3/49

All: -0.216 ± 0.000 χ^2/NDF : 14205435200.3/52

- sign -0.221 ± 0.000 χ^2/NDF : 8508311942.0/52

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 611353.0/24

Left Out: 0.005+/-0.000 χ^2/NDF :530632.6/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1167146.5/29

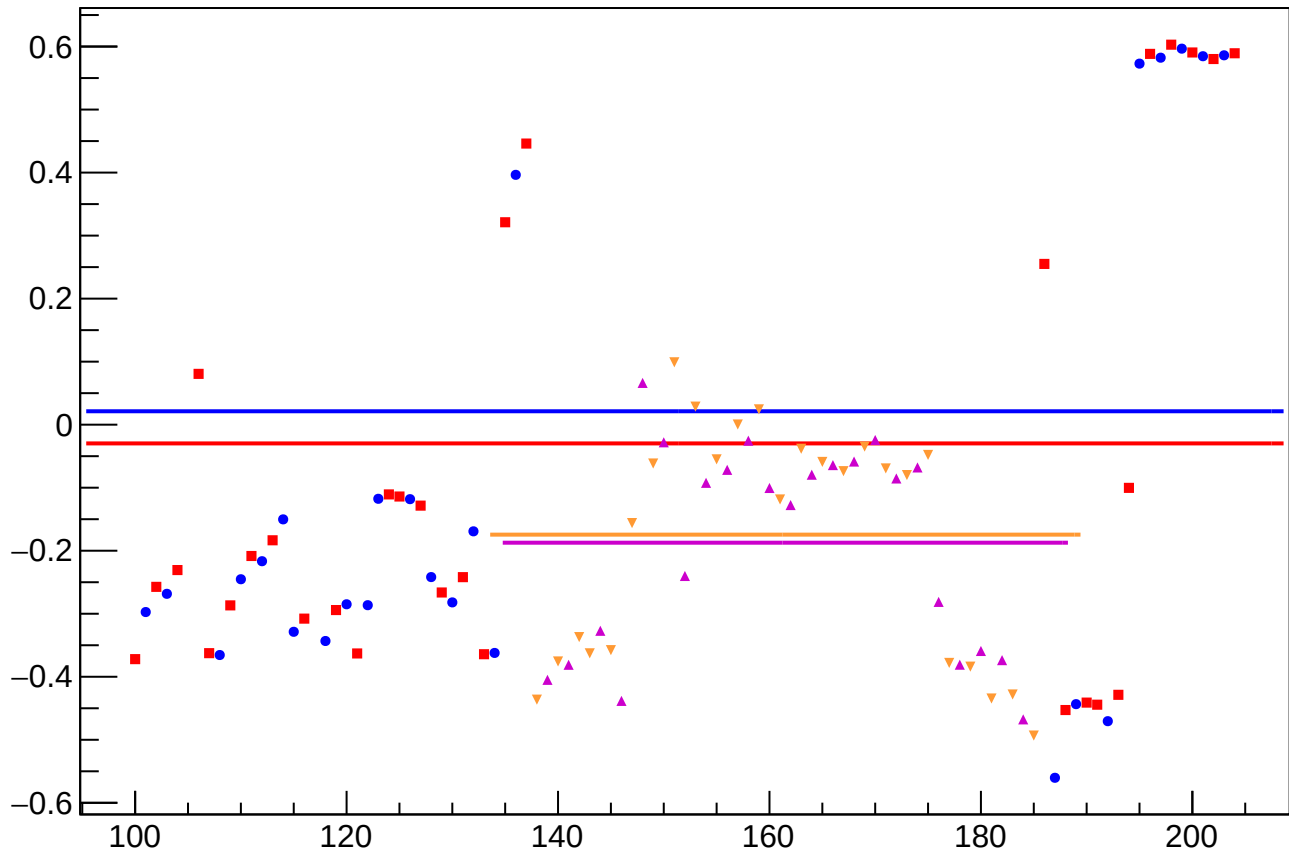
Left In: 0.005+/-0.000 χ^2/NDF :493107.7/22

+ sign 0.005+/-0.000 χ^2/NDF : 1151387.0/49

All: 0.005+/-0.000 χ^2/NDF : 2849753.2/102

- sign 0.005+/-0.000 χ^2/NDF : 1673899.5/52

yield_bpm0i02X_mean vs Slug



Right In: 0.021+/-0.000 χ^2/NDF : 47330106931.0/24

Left Out: -0.174+/-0.000 χ^2/NDF : 18025533236.1/24

Right Out: -0.030+/-0.000 χ^2/NDF : 47374401162.3/29

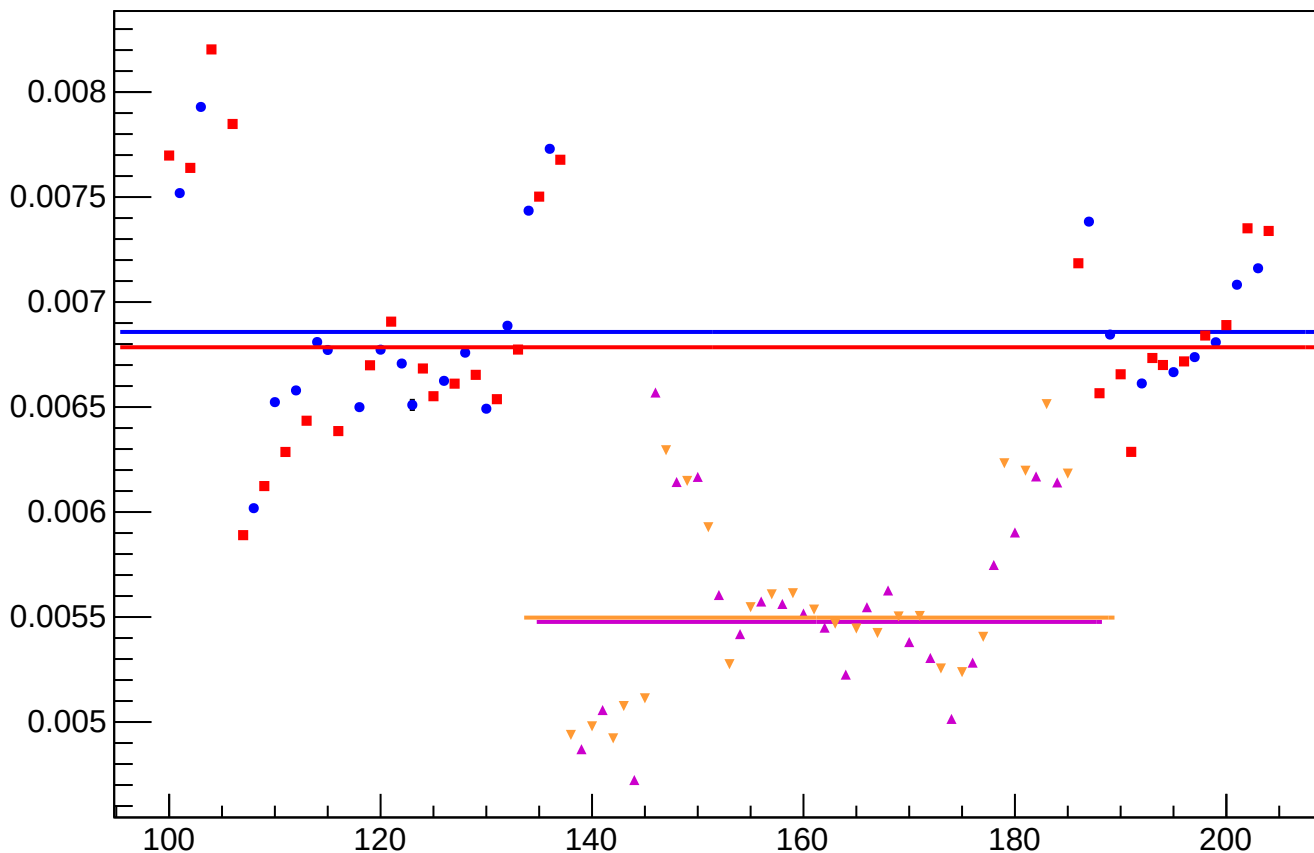
Left In: -0.187+/-0.000 χ^2/NDF : 12816646575.4/22

+ sign -0.114+/-0.000 χ^2/NDF : 72144682335.8/49

All: -0.123+/-0.000 χ^2/NDF : 137276097761.1

- sign -0.131+/-0.000 χ^2/NDF : 65011485065.4/52

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 89007.2/24

Left Out: 0.005+/-0.000 χ^2/NDF : 198746.4/24

Right Out: 0.007+/-0.000 χ^2/NDF : 128337.6/29

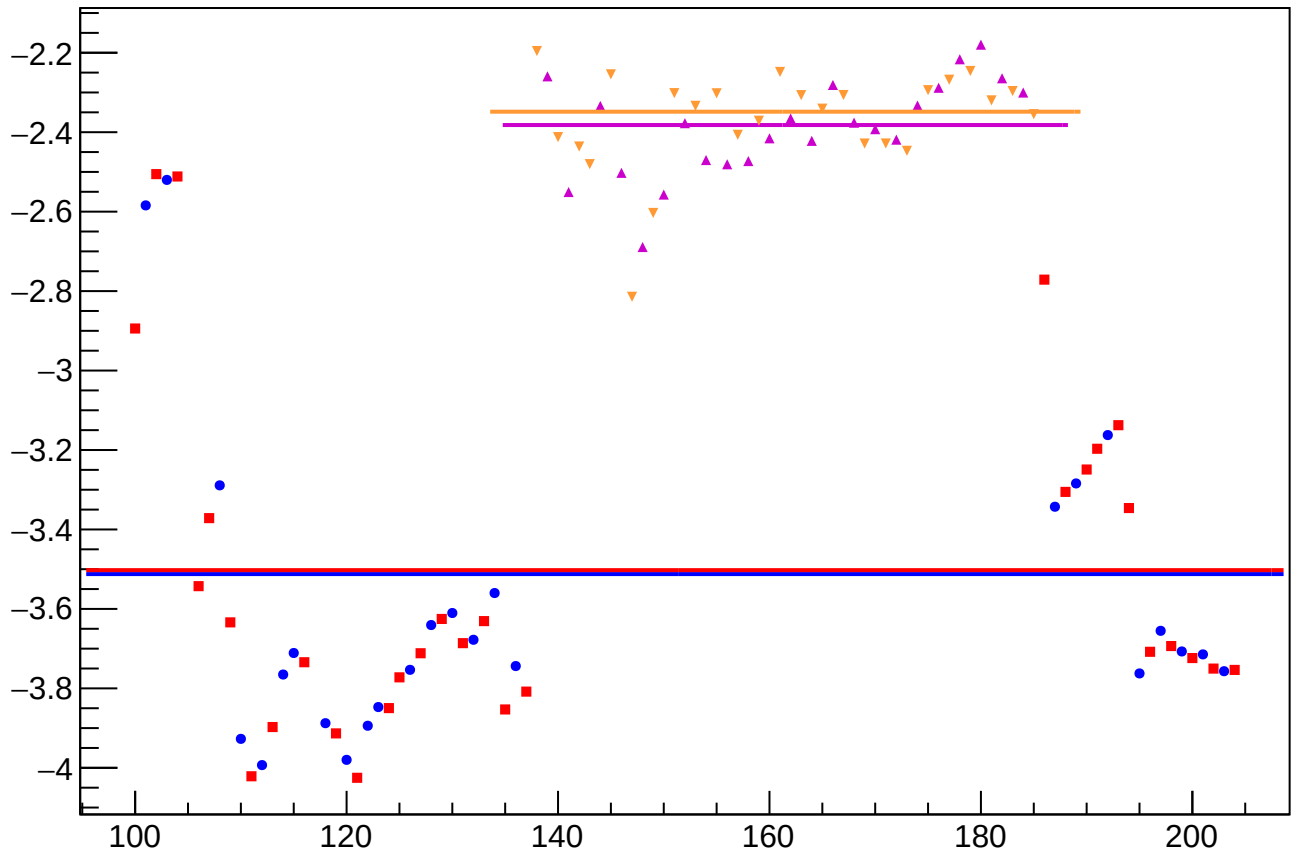
Left In: 0.005+/-0.000 χ^2/NDF : 202181.4/22

+ sign 0.006+/-0.000 χ^2/NDF : 943396.0/49

All: 0.006+/-0.000 χ^2/NDF : 1939032.2/102

- sign 0.006+/-0.000 χ^2/NDF : 995039.0/52

yield_bpm0i02Y_mean vs Slug



Right In: -3.512 $\pm$ 0.000 χ^2 /NDF: 29508929576.2/24

Left Out: -2.348 $\pm$ 0.000 χ^2 /NDF: 2158686333.4/24

Right Out: -3.502 $\pm$ 0.000 χ^2 /NDF: 30621287929.4/29

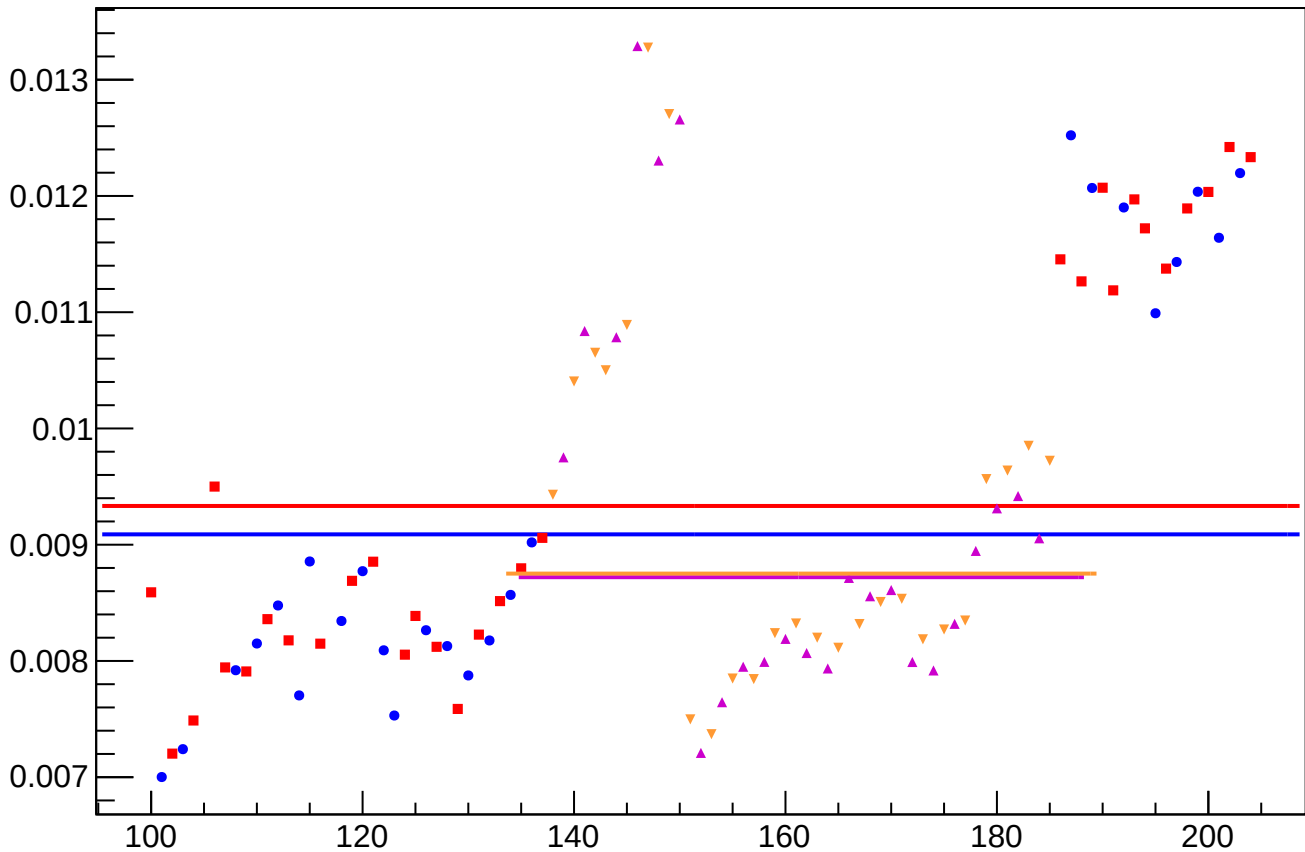
Left In: -2.382 $\pm$ 0.000 χ^2 /NDF: 2318395228.4/22

+ sign -2.794 $\pm$ 0.000 χ^2 /NDF: 148285115680.7/49

All: -2.821 $\pm$ 0.000 χ^2 /NDF: 293418256004.7

- sign -2.849 $\pm$ 0.000 χ^2 /NDF: 144577792383.8/52

yield_bpm0i02Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 853618.5/24

Left Out: 0.009+/-0.000 χ^2/NDF :663672.8/24

Right Out: 0.009+/-0.000 χ^2/NDF : 970196.9/29

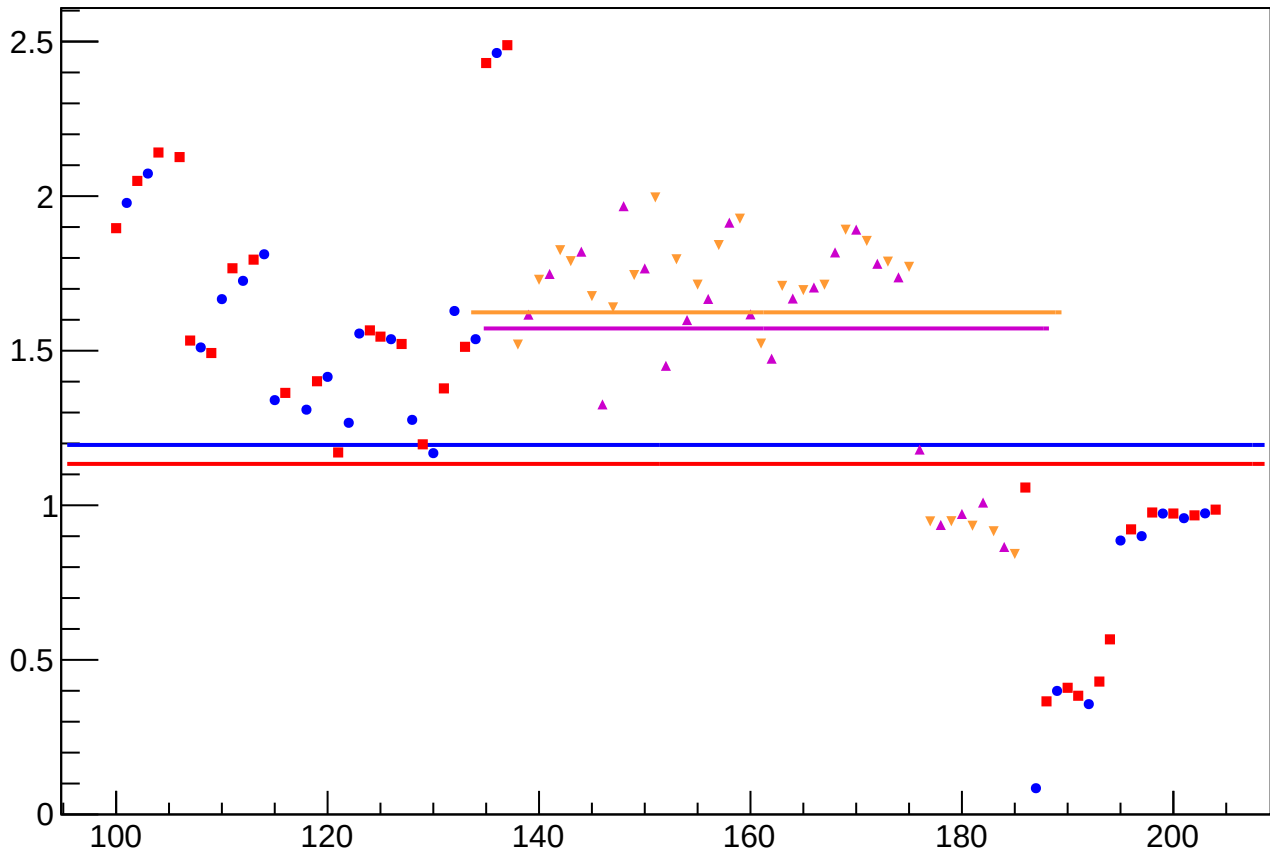
Left In: 0.009+/-0.000 χ^2/NDF :747867.0/22

+ sign 0.009+/-0.000 χ^2/NDF : 1536910.3/49

All: 0.009+/-0.000 χ^2/NDF : 3325067.1/102

- sign 0.009+/-0.000 χ^2/NDF : 1784841.7/52

yield_bpm0i02aX_mean vs Slug



Right In: 1.195 $\pm$ 0.000 χ^2 /NDF: 27113129985.1/24

Left Out: 1.624 $\pm$ 0.000 χ^2 /NDF: 16631112386.4/24

Right Out: 1.134 $\pm$ 0.000 χ^2 /NDF: 32584234065.5/29

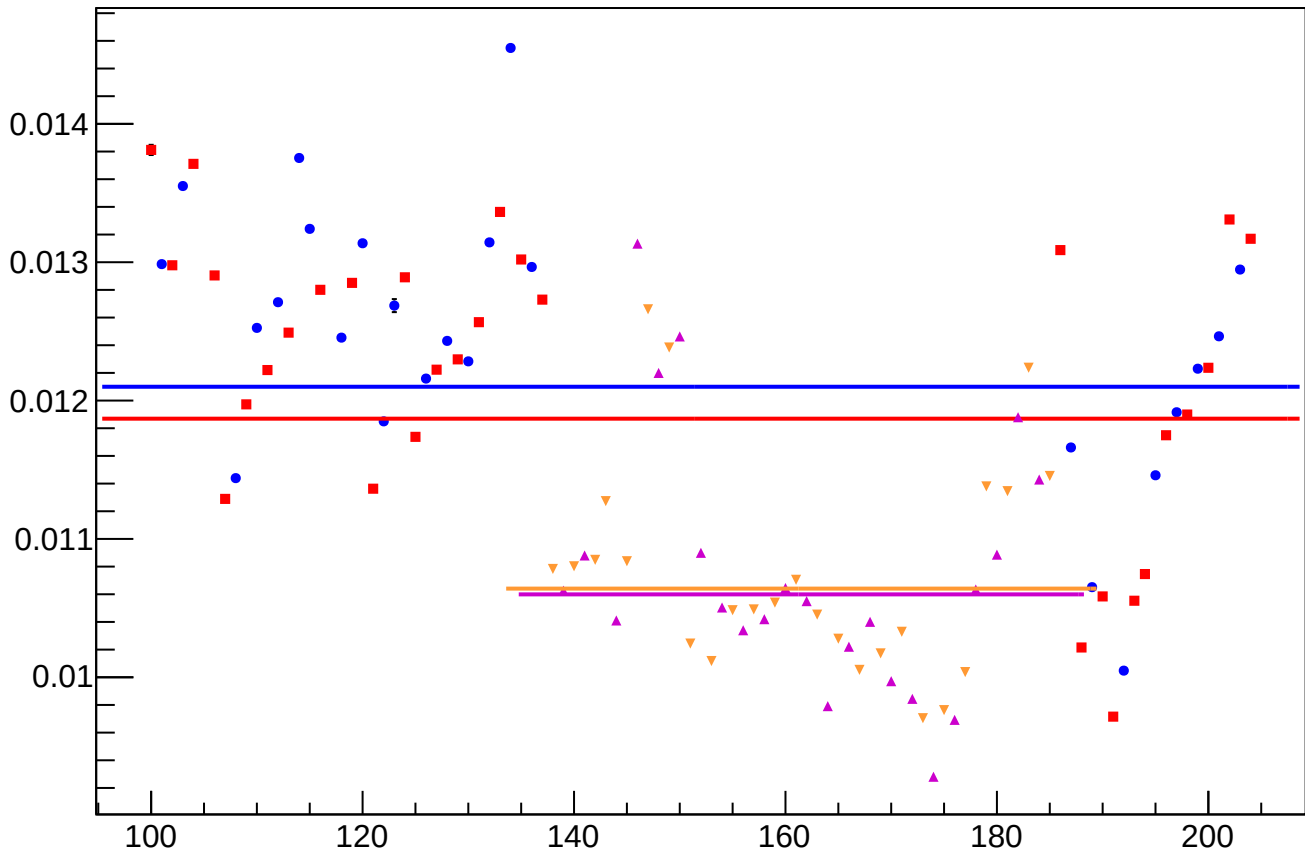
Left In: 1.572 $\pm$ 0.000 χ^2 /NDF: 14230484809.4/22

+ sign 1.477 $\pm$ 0.000 χ^2 /NDF: 53583724731.3/49

All: 1.437 $\pm$ 0.000 χ^2 /NDF: 112439304308.8

- sign 1.398 $\pm$ 0.000 χ^2 /NDF: 58095443448.1/52

yield_bpm0i02aX_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 164379.3/24

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:159760.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 225092.1/29

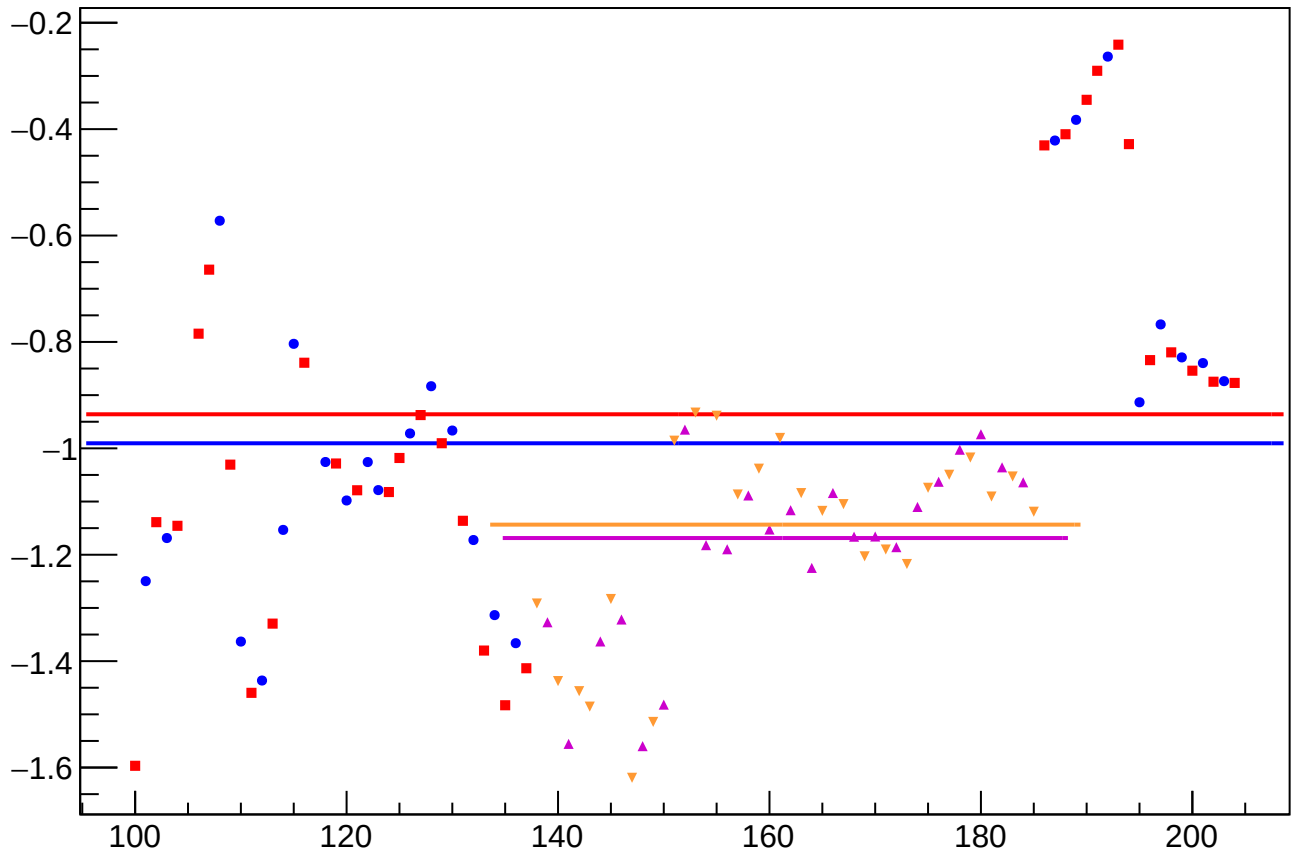
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:204531.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 551876.3/49

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 1171410.6/102

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 619209.0/52

yield_bpm0i02aY_mean vs Slug



Right In: -0.990 ± 0.000 χ^2/NDF : 10806590123.0/24

Left Out: -1.143 ± 0.000 χ^2/NDF : 7976364534.0/24

Right Out: -0.936 ± 0.000 χ^2/NDF : 15769464108.1/29

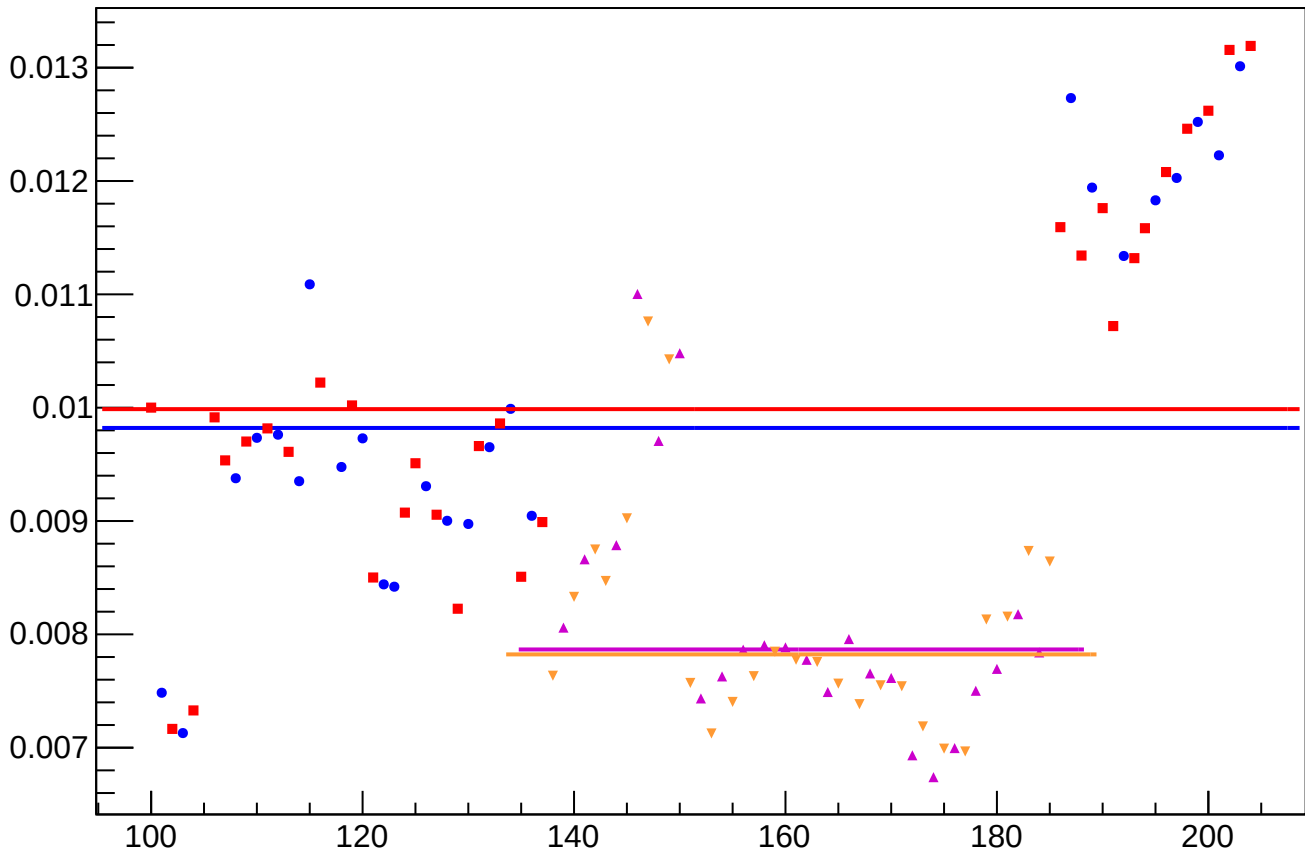
Left In: -1.169 ± 0.000 χ^2/NDF : 6362643368.6/22

+ sign -1.098 ± 0.000 χ^2/NDF : 20732526681.3/49

All: -1.094 ± 0.000 χ^2/NDF : 47636775077.2

- sign -1.090 ± 0.000 χ^2/NDF : 26893500083.4/52

yield_bpm0i02aY_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 724975.0/24

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:336387.6/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 820613.1/29

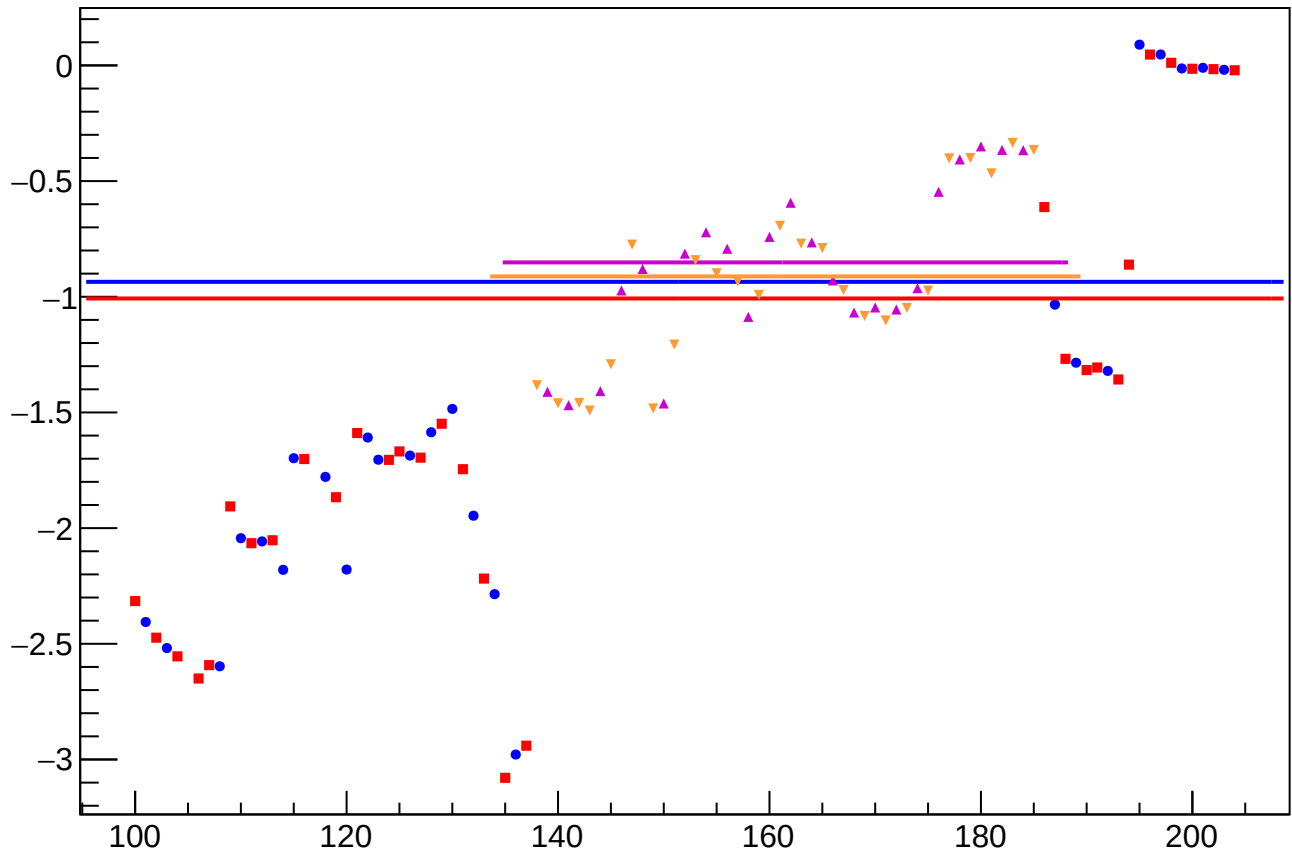
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:379901.3/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1727117.4/49

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 3729072.8/102

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 1991741.2/52

yield_bpm0i05X_mean vs Slug



Right In: -0.935 ± 0.000 χ^2/NDF : 310872491750.4/24

Left Out: -0.912 ± 0.000 χ^2/NDF : 49039425818.1/24

Right Out: -1.007 ± 0.000 χ^2/NDF : 328950224897.9/29

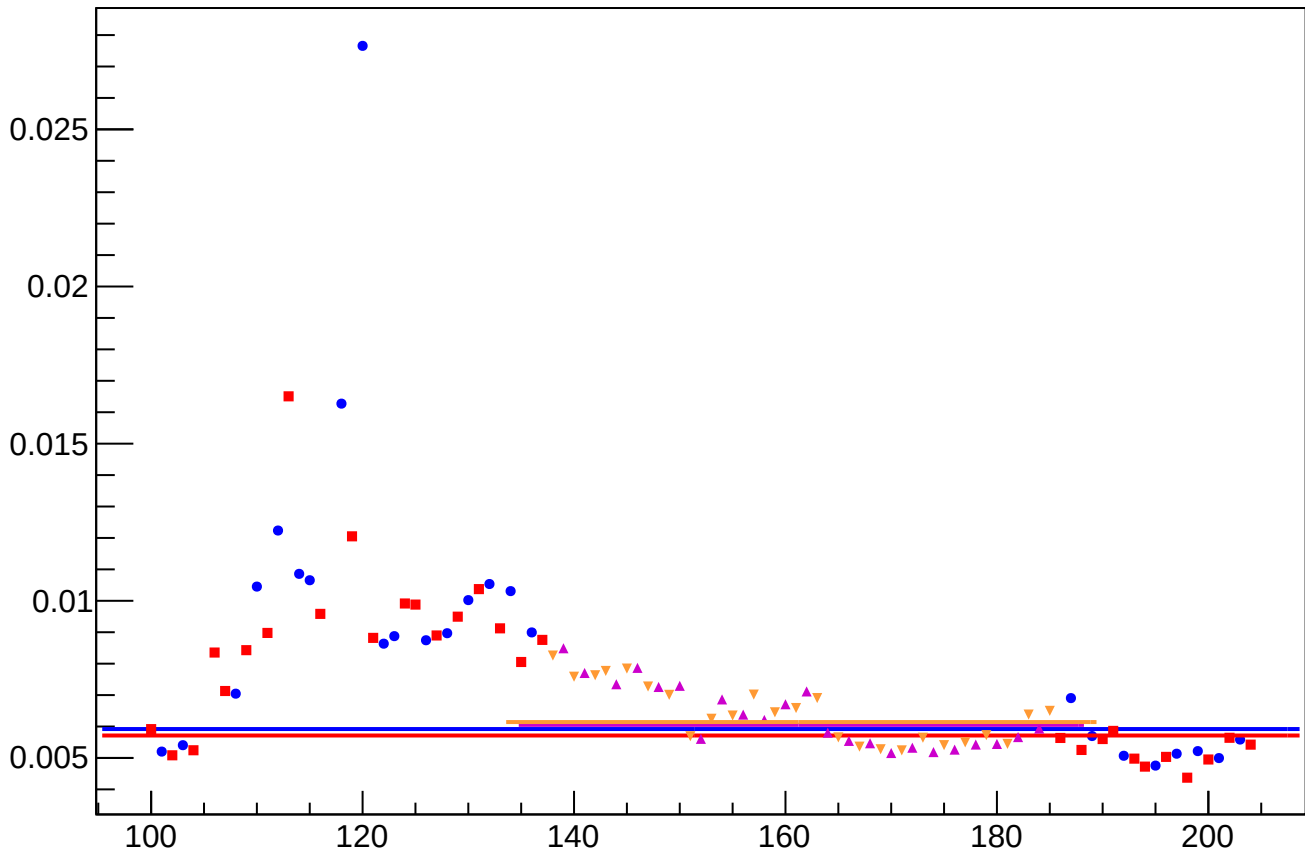
Left In: -0.851 ± 0.000 χ^2/NDF : 46438446008.2/22

+ sign -0.921 ± 0.000 χ^2/NDF : 360006062940.8/49

All: -0.922 ± 0.000 χ^2/NDF : 740186268776.6

- sign -0.922 ± 0.000 χ^2/NDF : 380179820178.1/52

yield_bpm0i05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1943804.6/24

Left Out: 0.006+/-0.000 χ^2/NDF : 637765.4/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1882288.4/29

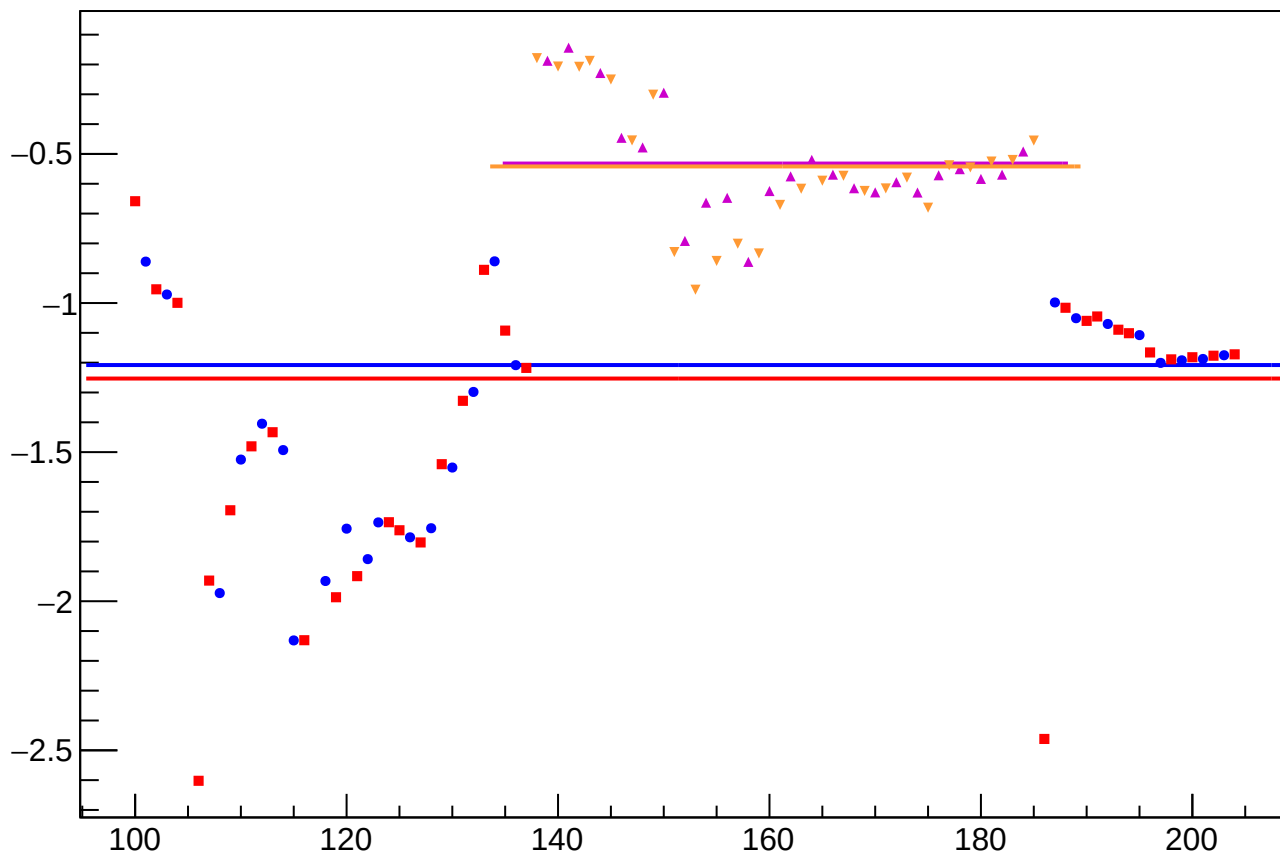
Left In: 0.006+/-0.000 χ^2/NDF : 697577.8/22

+ sign 0.006+/-0.000 χ^2/NDF : 2598502.3/49

All: 0.006+/-0.000 χ^2/NDF : 5242180.1/102

- sign 0.006+/-0.000 χ^2/NDF : 2624957.6/52

yield_bpm0i05Y_mean vs Slug



Right In: -1.208 $\pm$ 0.000 χ^2 /NDF: 26287723012.4/24

Left Out: -0.542 $\pm$ 0.000 χ^2 /NDF: 47268284910.3/24

Right Out: -1.253 $\pm$ 0.000 χ^2 /NDF: 78794003419.4/29

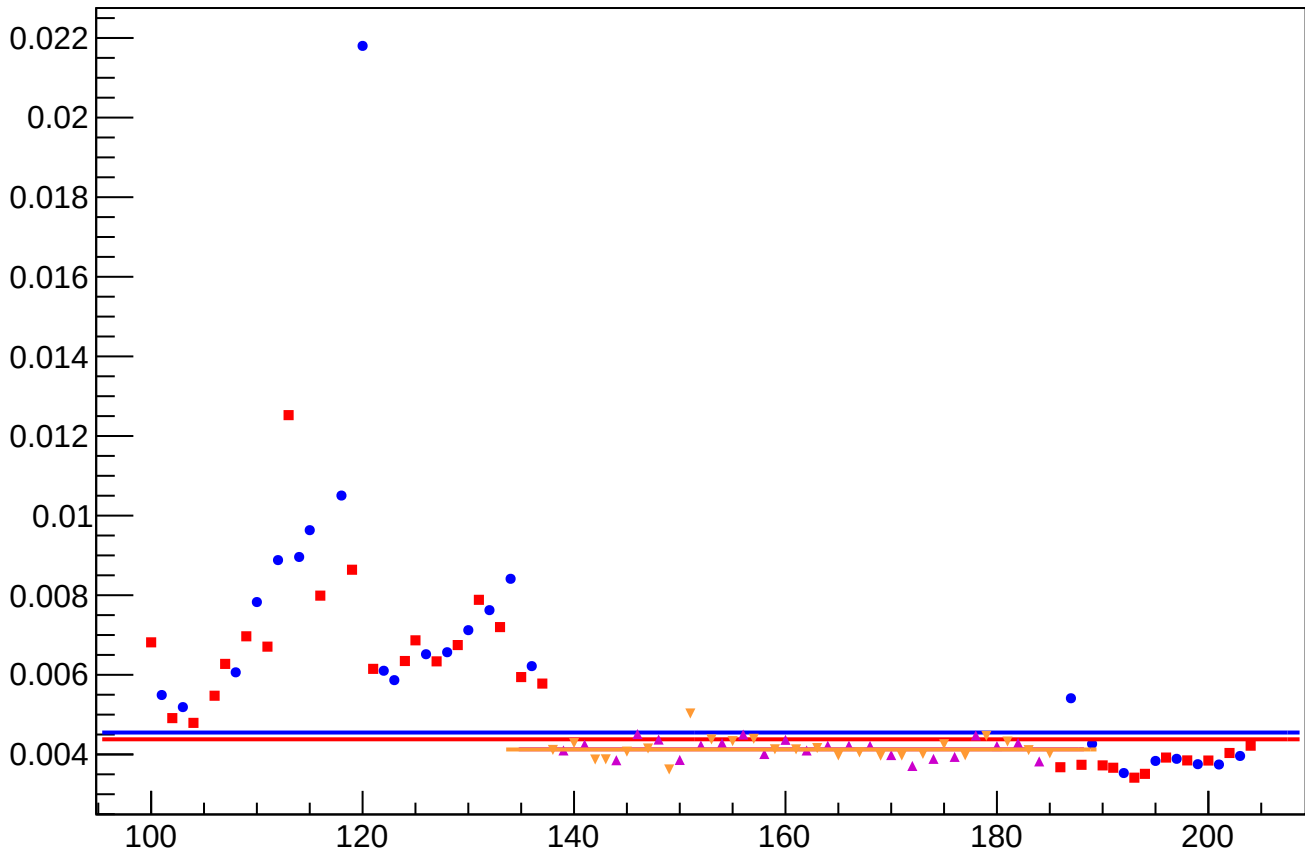
Left In: -0.532 $\pm$ 0.000 χ^2 /NDF: 30715235426.8/22

+ sign -0.757 $\pm$ 0.000 χ^2 /NDF: 215398825491.9/49

All: -0.787 $\pm$ 0.000 χ^2 /NDF: 518539119305.0

- sign -0.815 $\pm$ 0.000 χ^2 /NDF: 300567005465.2/52

yield_bpm0i05Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 1934538.3/24

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:113033.9/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1828684.9/29

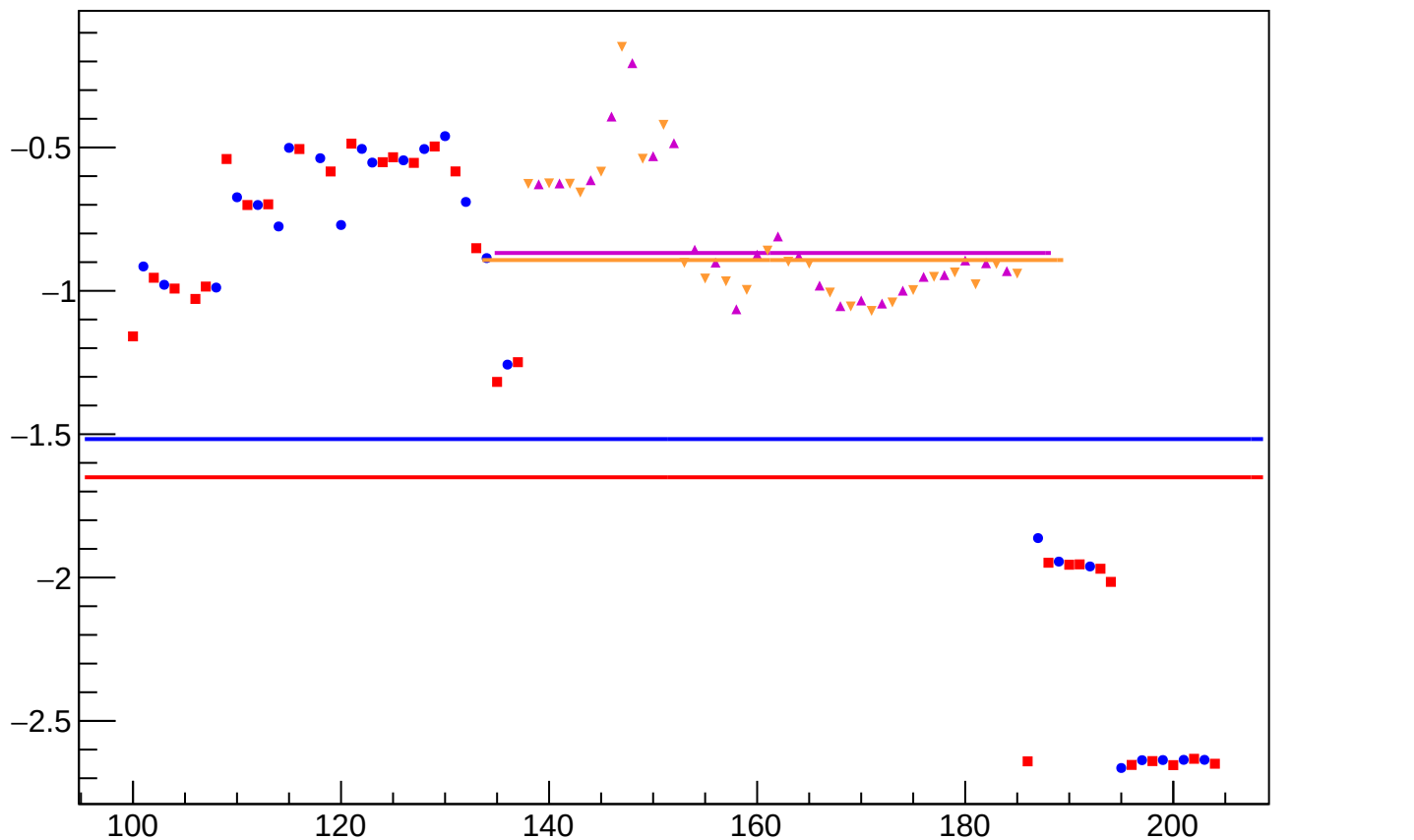
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:93111.2/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2163505.8/49

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4132983.2/102

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1967758.8/52

yield_bpm0i07X_mean vs Slug



Right In: -1.517+/-0.000 χ^2/NDF : 216190077231.0/24

Left Out: -0.893+/-0.000 χ^2/NDF : 40787012603.8/24

Right Out: -1.650+/-0.000 χ^2/NDF : 290914927216.3/29

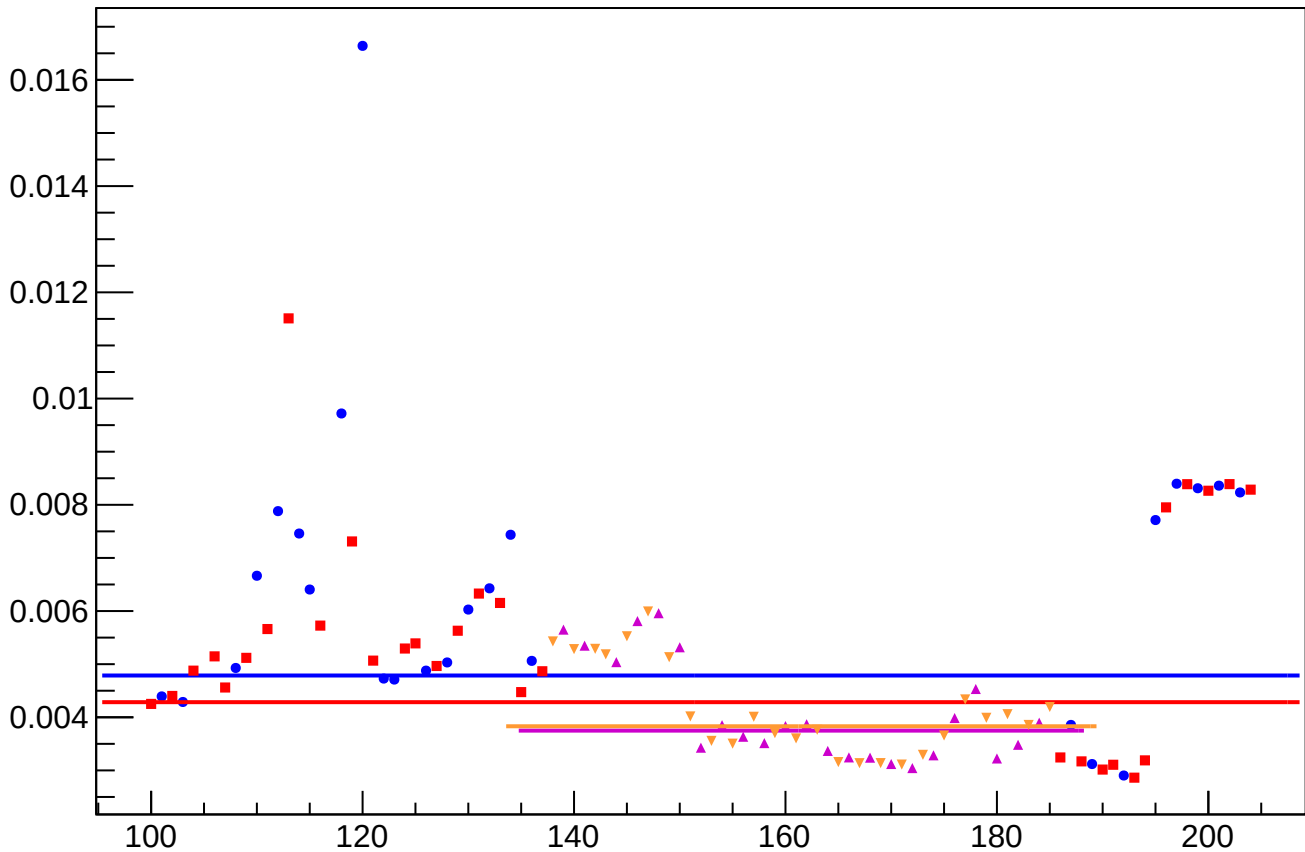
Left In: -0.868+/-0.000 χ^2/NDF : 43853190177.2/22

+ sign -1.062+/-0.000 χ^2/NDF : 375682039594.4/49

All: -1.106+/-0.000 χ^2/NDF : 959229630613.7

- sign -1.146+/-0.000 χ^2/NDF : 577695004200.6/52

yield_bpm0i07X_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 3135994.4/24

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1179801.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 3392898.5/29

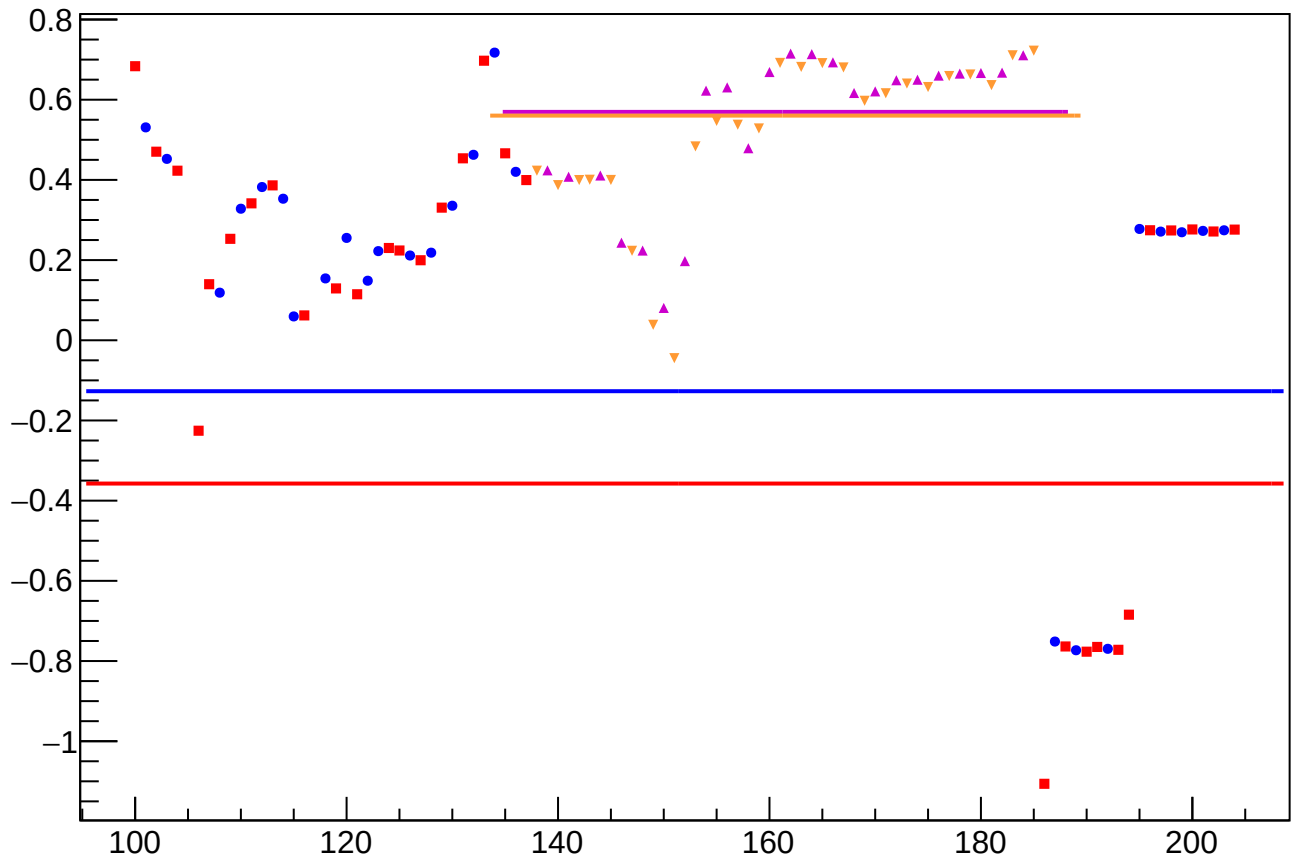
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1288490.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 4871937.2/49

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 9817620.6/102

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 4909036.8/52

yield_bpm0i07Y_mean vs Slug



Right In: -0.127+/-0.000 χ^2/NDF : 272161626705.3/24

Left Out: 0.560+/-0.000 χ^2/NDF : 45205806387.2/24

Right Out: -0.357+/-0.000 χ^2/NDF : 438141224862.4/29

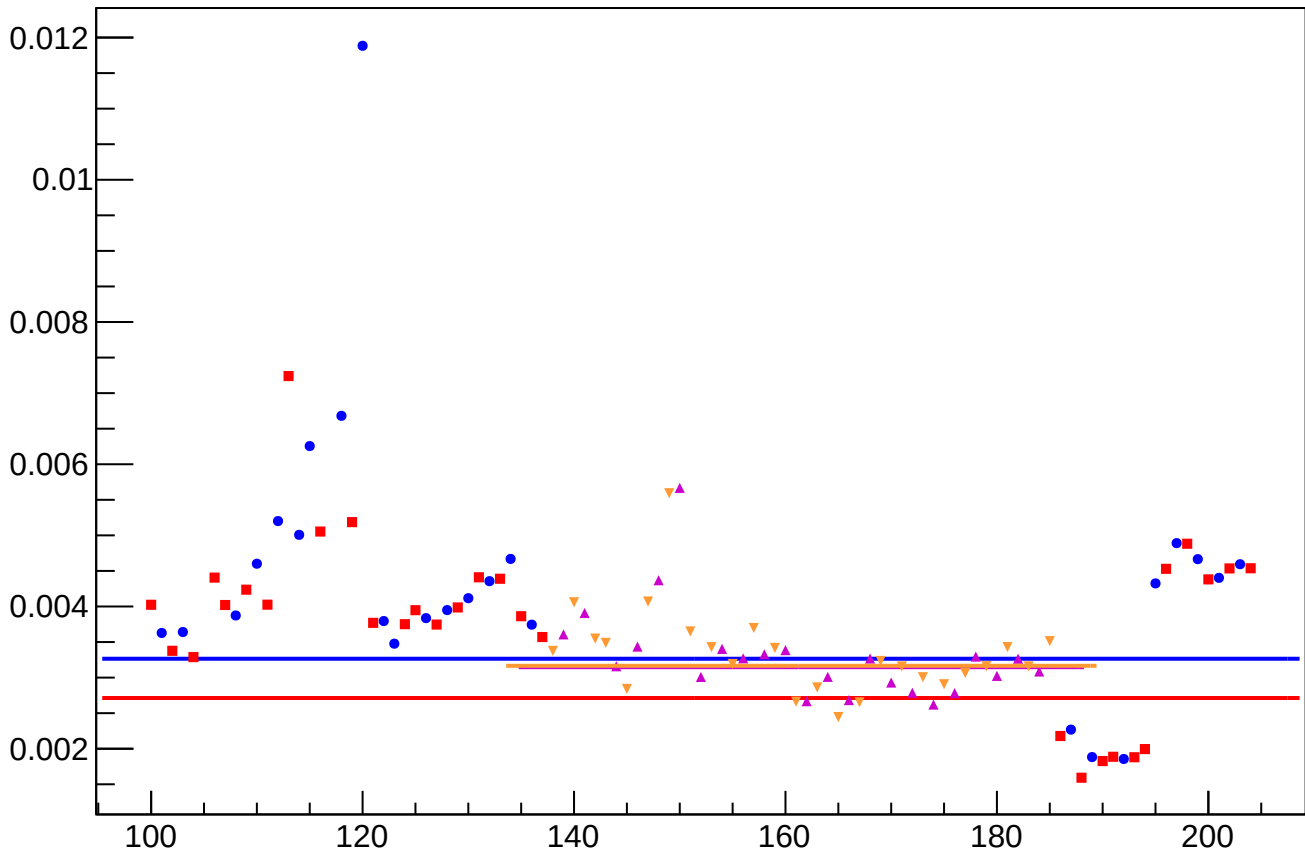
Left In: 0.570+/-0.000 χ^2/NDF : 42104067973.0/22

+ sign 0.313+/-0.000 χ^2/NDF : 592973347071.7/49

All: 0.207+/-0.000 χ^2/NDF : 1774890774610.

- sign 0.119+/-0.000 χ^2/NDF : 1130439904780.4/52

yield_bpm0i07Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 2957545.7/24

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 744886.7/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 4147906.7/29

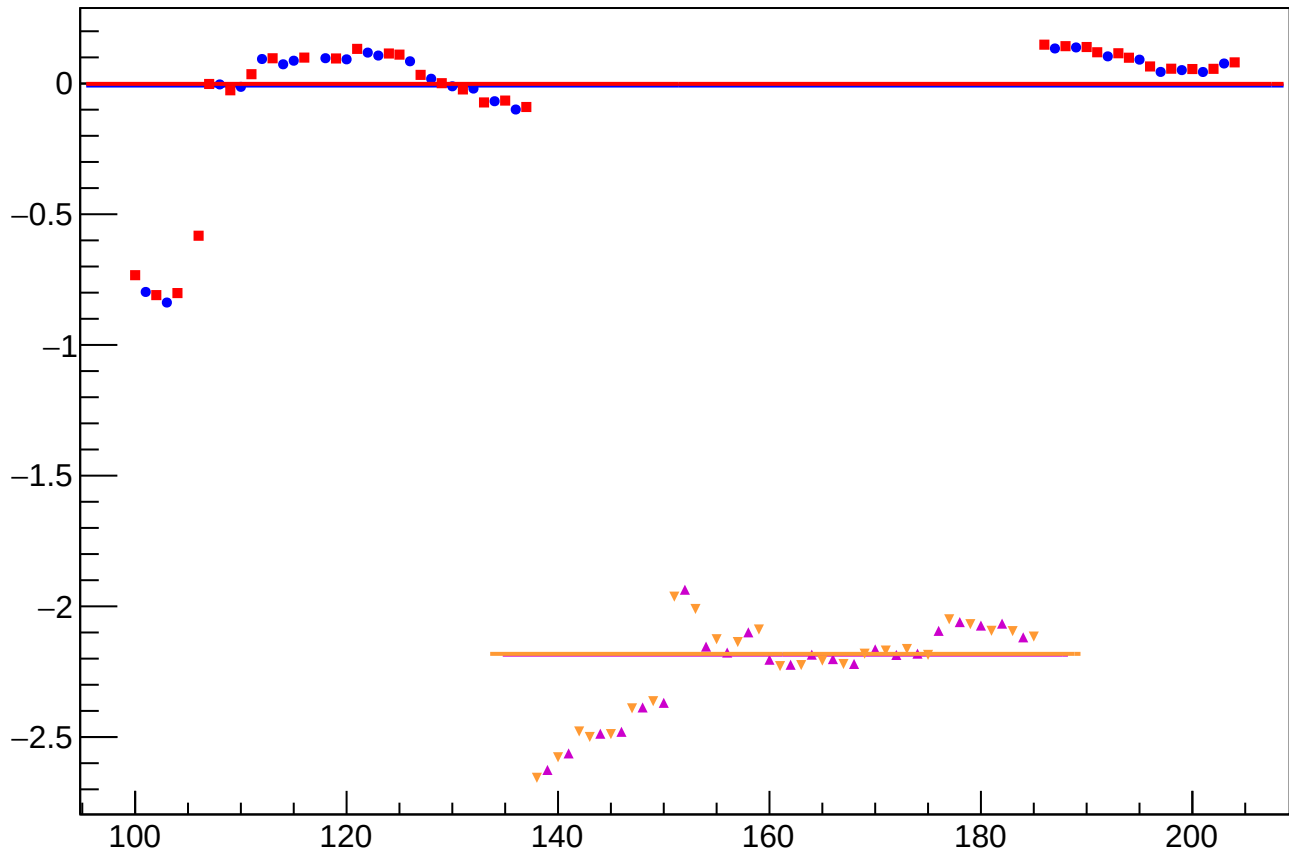
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 716402.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 3713903.4/49

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 9057153.6/102

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 5148359.5/52

yield_bpm1i02X_mean vs Slug



Right In: -0.008+/-0.000 χ^2/NDF : 5772562893.7/24

Left Out: -2.182+/-0.000 χ^2/NDF : 4008829567.0/24

Right Out: -0.001+/-0.000 χ^2/NDF : 6901496627.0/29

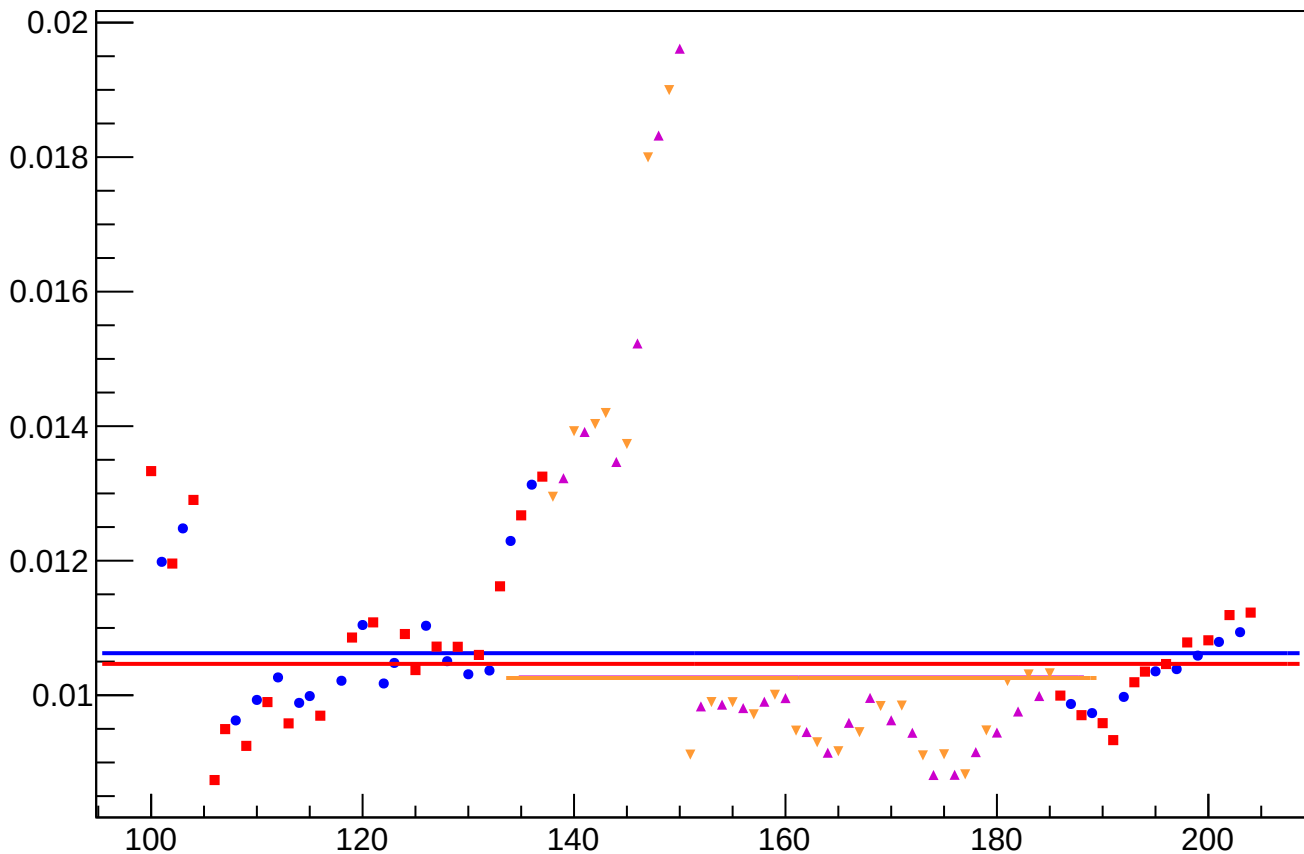
Left In: -2.185+/-0.000 χ^2/NDF : 3372742534.3/22

+ sign -1.334+/-0.000 χ^2/NDF : 318875903527.3/49

All: -1.268+/-0.000 χ^2/NDF : 668369179294.2

- sign -1.205+/-0.000 χ^2/NDF : 347136705837.5/52

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 150588.2/24

Left Out: 0.010+/-0.000 χ^2/NDF :1270617.6/24

Right Out: 0.010+/-0.000 χ^2/NDF : 221368.2/29

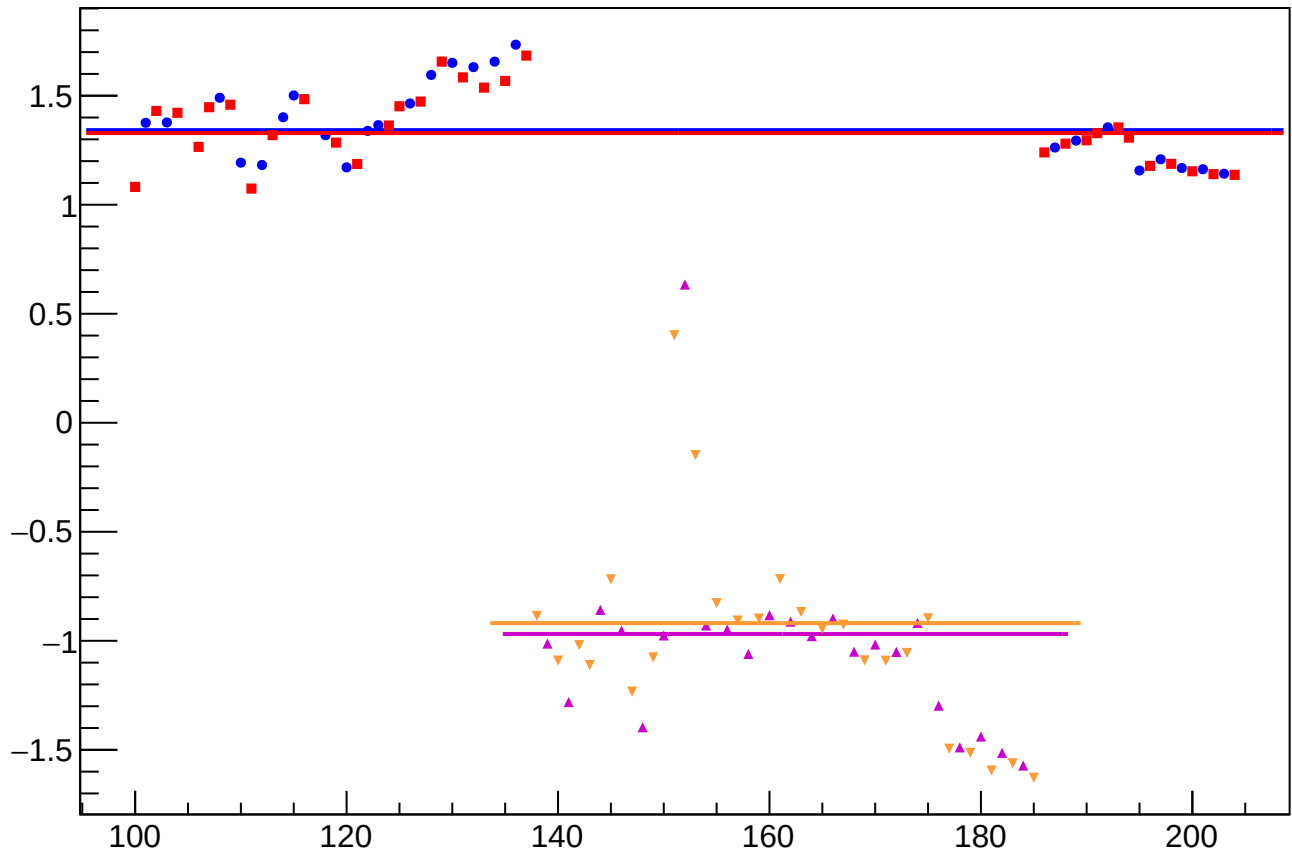
Left In: 0.010+/-0.000 χ^2/NDF :1340264.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 1439006.8/49

All: 0.010+/-0.000 χ^2/NDF : 3006944.2/102

- sign 0.010+/-0.000 χ^2/NDF : 1567370.6/52

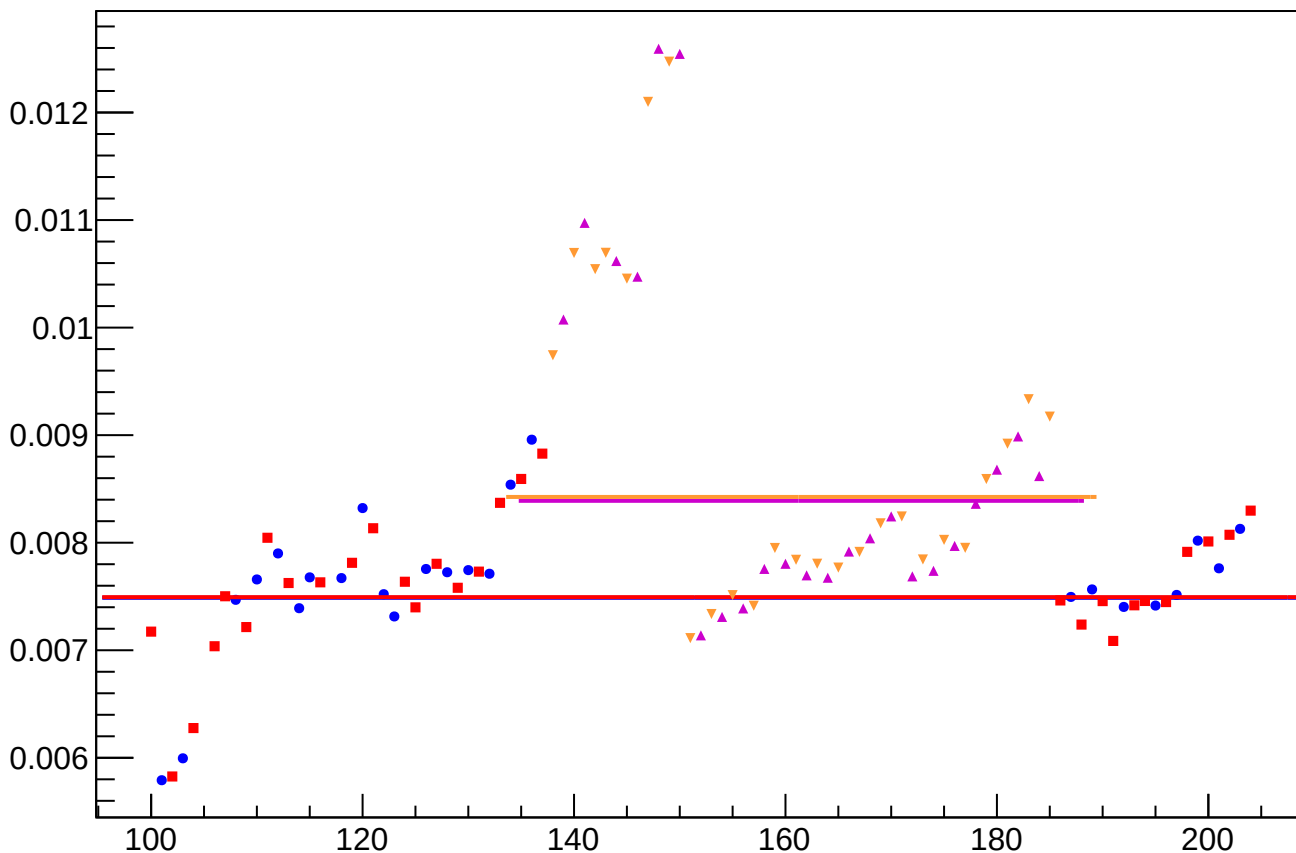
yield_bpm1i02Y_mean vs Slug



Right In: 1.342+/-0.000 χ^2/NDF : 6672892780.2/24
 Left Out: -0.919+/-0.000 χ^2/NDF : 55622252895.8/24
 Right Out: 1.329+/-0.000 χ^2/NDF : 5408863189.6/29
 Left In: -0.969+/-0.000 χ^2/NDF : 54895002535.8/22

+ sign 0.121+/-0.000 χ^2/NDF : 654916665957.7/49
 - sign 0.205+/-0.000 χ^2/NDF : 706147989150.3/52
 All: 0.164+/-0.000 χ^2/NDF : 1362756523551.0

yield_bpm1i02Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 253310.3/24

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 792337.0/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 210752.4/29

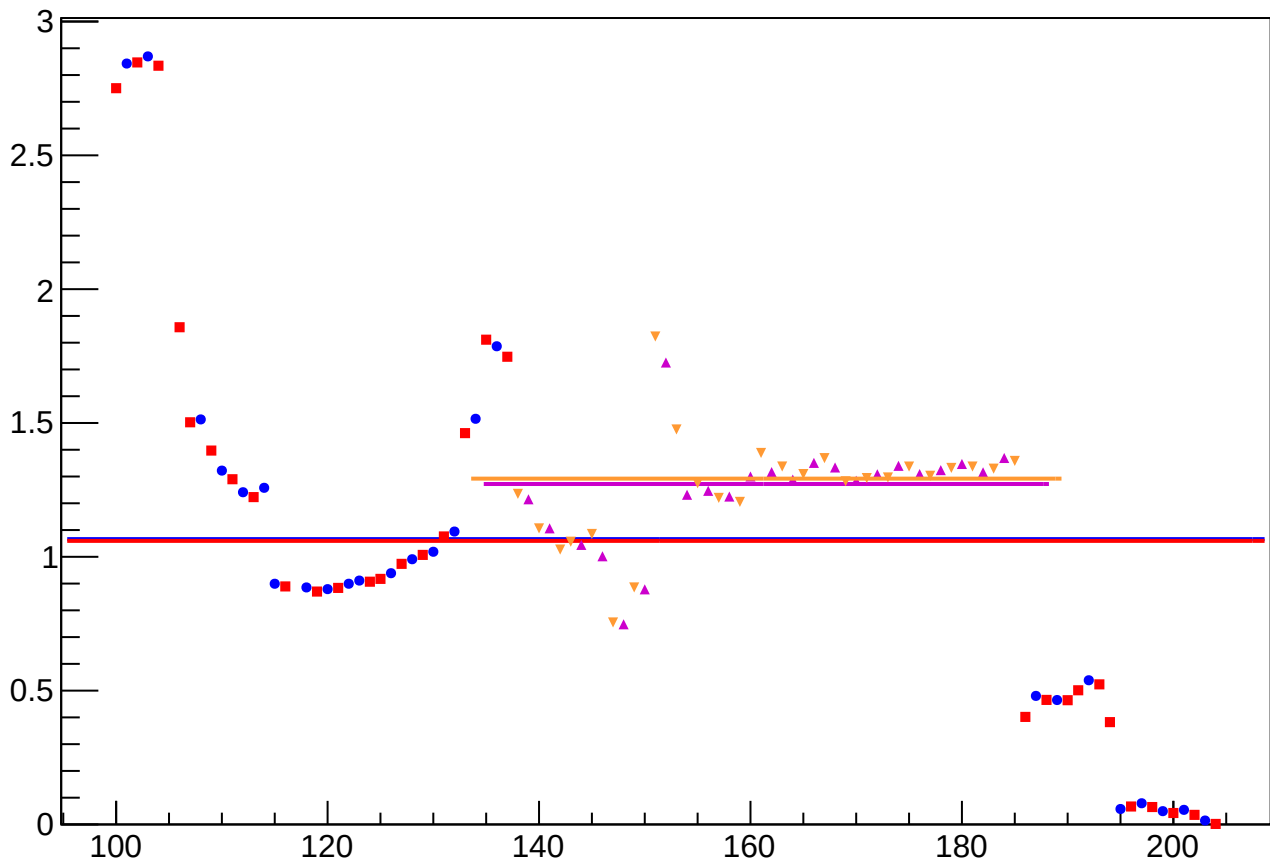
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 839880.4/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1249537.2/49

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2498346.7/102

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1246944.5/52

yield_bpm1i04X_mean vs Slug



Right In: 1.066 $\pm$ 0.000 χ^2 /NDF: 108048292591.3/24

Left Out: 1.292 $\pm$ 0.000 χ^2 /NDF: 9305298695.5/24

Right Out: 1.060 $\pm$ 0.000 χ^2 /NDF: 110130522395.7/29

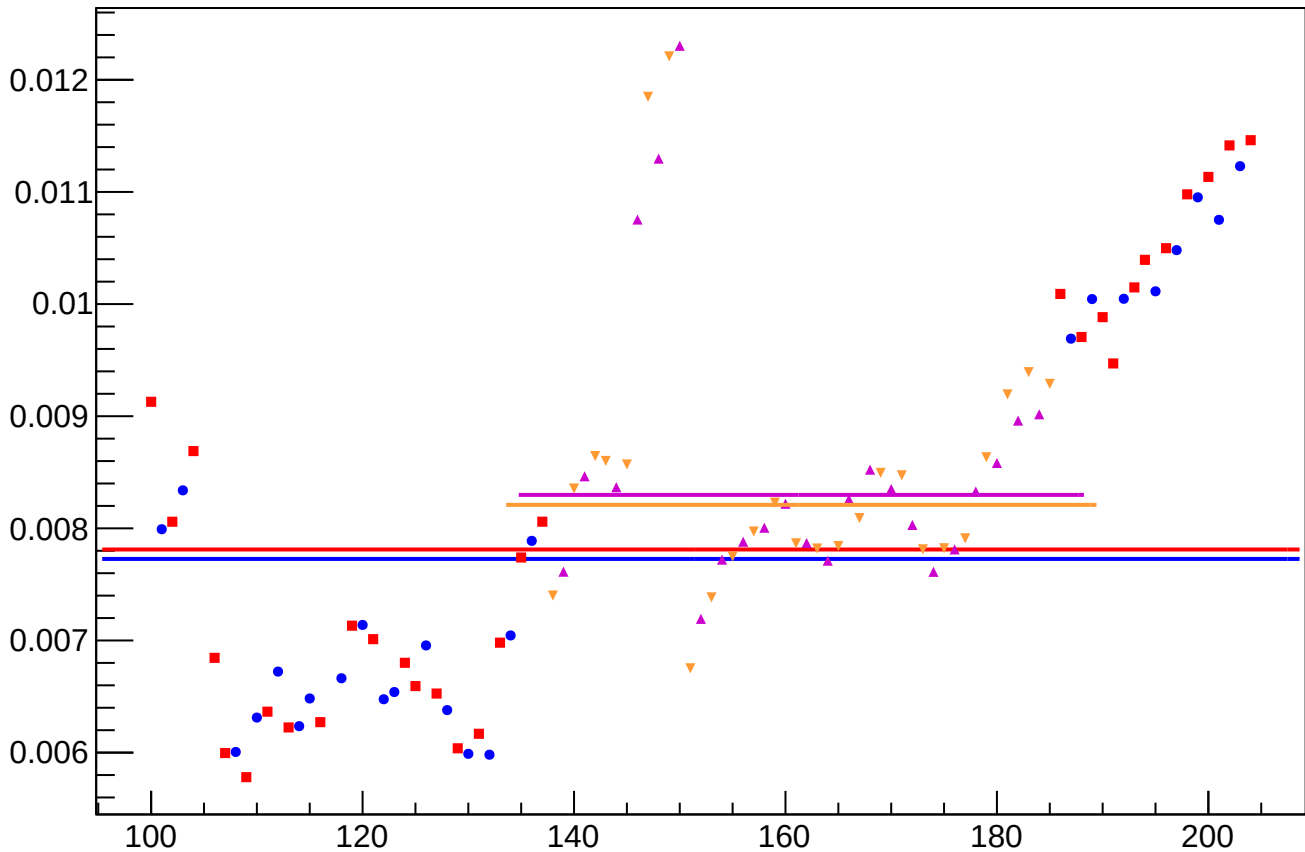
Left In: 1.272 $\pm$ 0.000 χ^2 /NDF: 7573930981.2/22

+ sign 1.196 $\pm$ 0.000 χ^2 /NDF: 123052003058.1/49

All: 1.184 $\pm$ 0.000 χ^2 /NDF: 246109292065.2

- sign 1.171 $\pm$ 0.000 χ^2 /NDF: 122915025799.1/52

yield_bpm1i04X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 1199542.6/24

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:478864.9/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 1534377.9/29

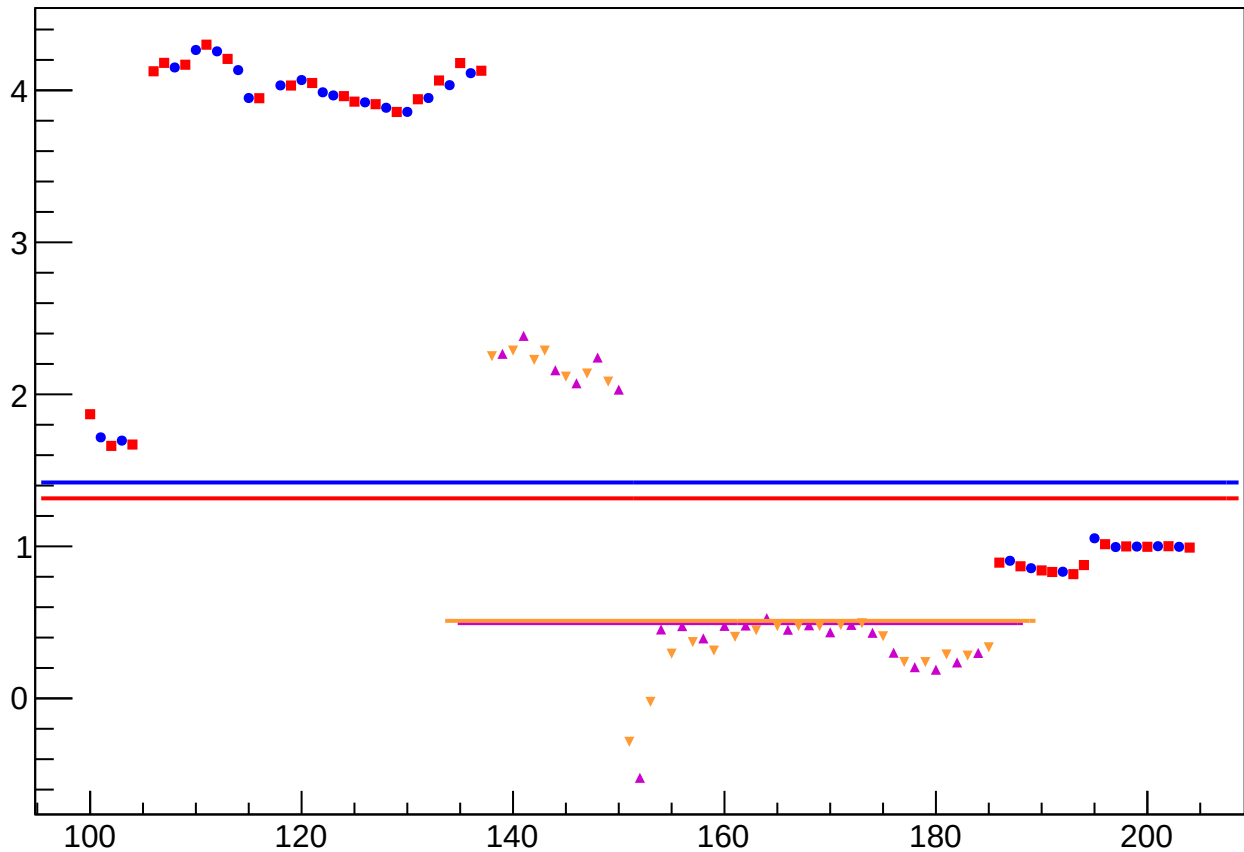
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:462022.1/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1730344.1/49

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 3783284.3/102

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2051129.9/52

yield_bpm1i04Y_mean vs Slug



Right In: 1.420+/-0.000 χ^2/NDF : 1429224776869.6/24

Left Out: 0.510+/-0.000 χ^2/NDF : 274818814912.4/24

Right Out: 1.316+/-0.000 χ^2/NDF : 1666303792989.2/29

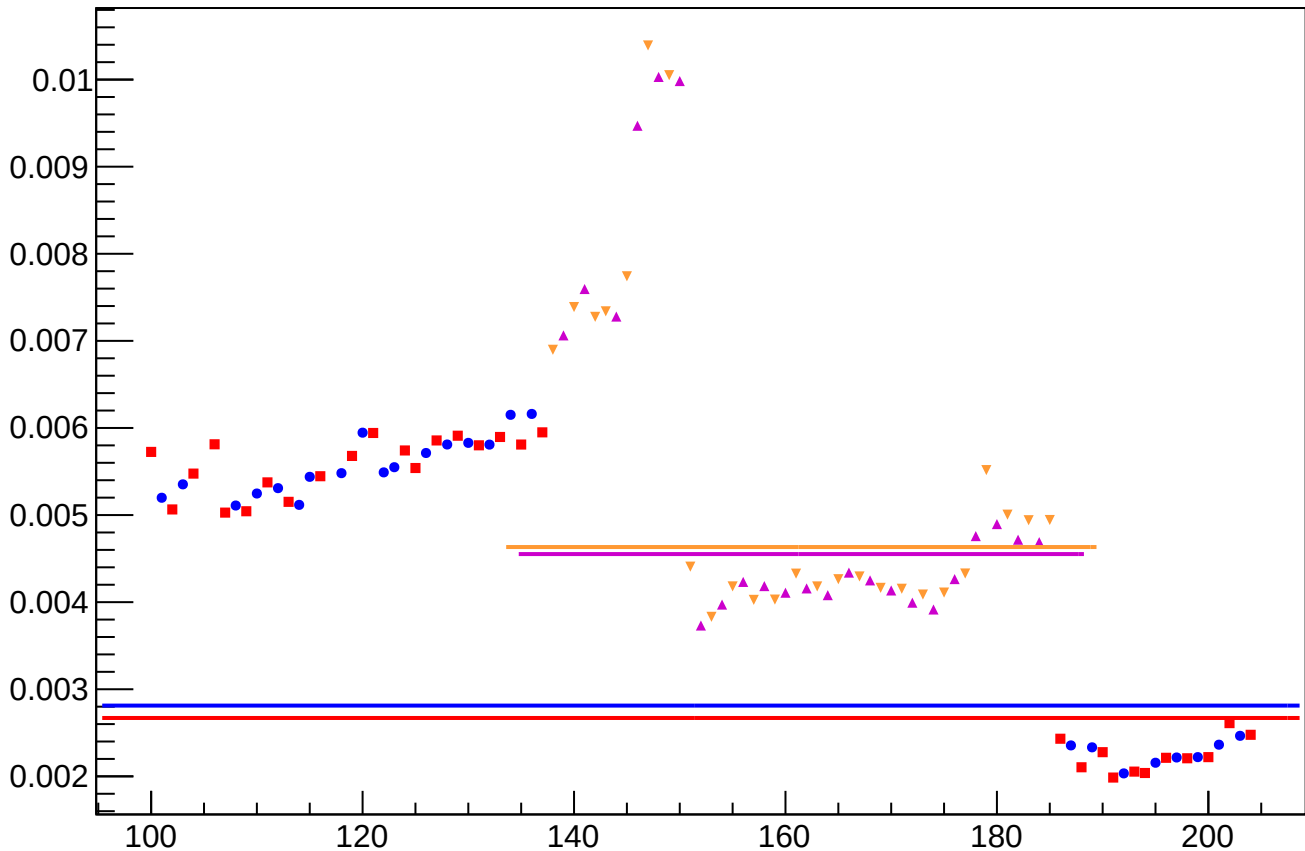
Left In: 0.495+/-0.000 χ^2/NDF : 268863202792.4/22

+ sign 1.069+/-0.000 χ^2/NDF : 2099259757084.6/49

All: 1.060+/-0.000 χ^2/NDF : 4381054237688.

- sign 1.052+/-0.000 χ^2/NDF : 2281470402085.2/52

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 4031951.9/24

Left Out: 0.005+/-0.000 χ^2/NDF : 2114007.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 4419528.1/29

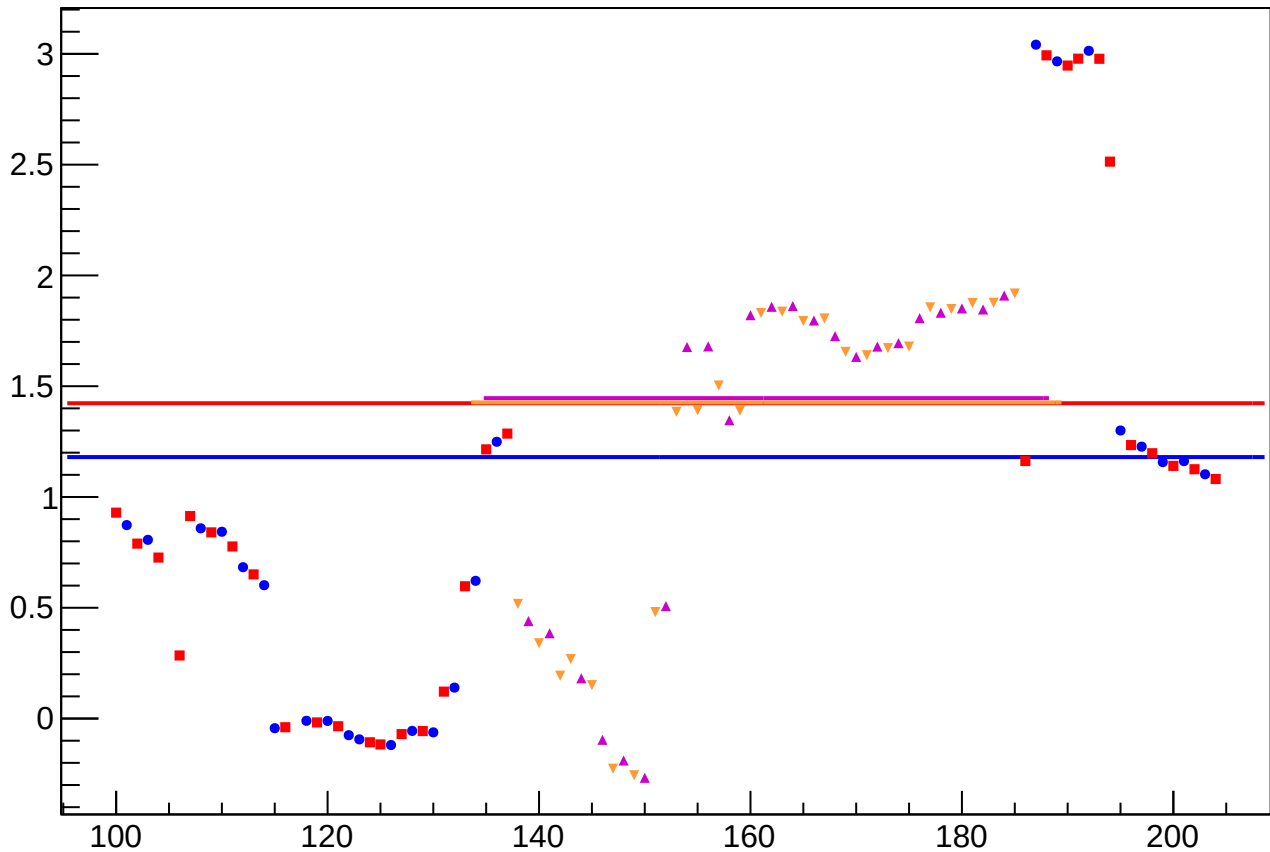
Left In: 0.005+/-0.000 χ^2/NDF : 2237666.9/22

+ sign 0.004+/-0.000 χ^2/NDF : 9307595.9/49

All: 0.003+/-0.000 χ^2/NDF : 19729928.4/102

- sign 0.003+/-0.000 χ^2/NDF : 10298169.9/52

yield_bpm1i06X_mean vs Slug



Right In: 1.180 $\pm$ 0.000 χ^2 /NDF: 72635127084.5/24

Left Out: 1.427 $\pm$ 0.000 χ^2 /NDF: 49990787038.3/24

Right Out: 1.423 $\pm$ 0.000 χ^2 /NDF: 99371266086.4/29

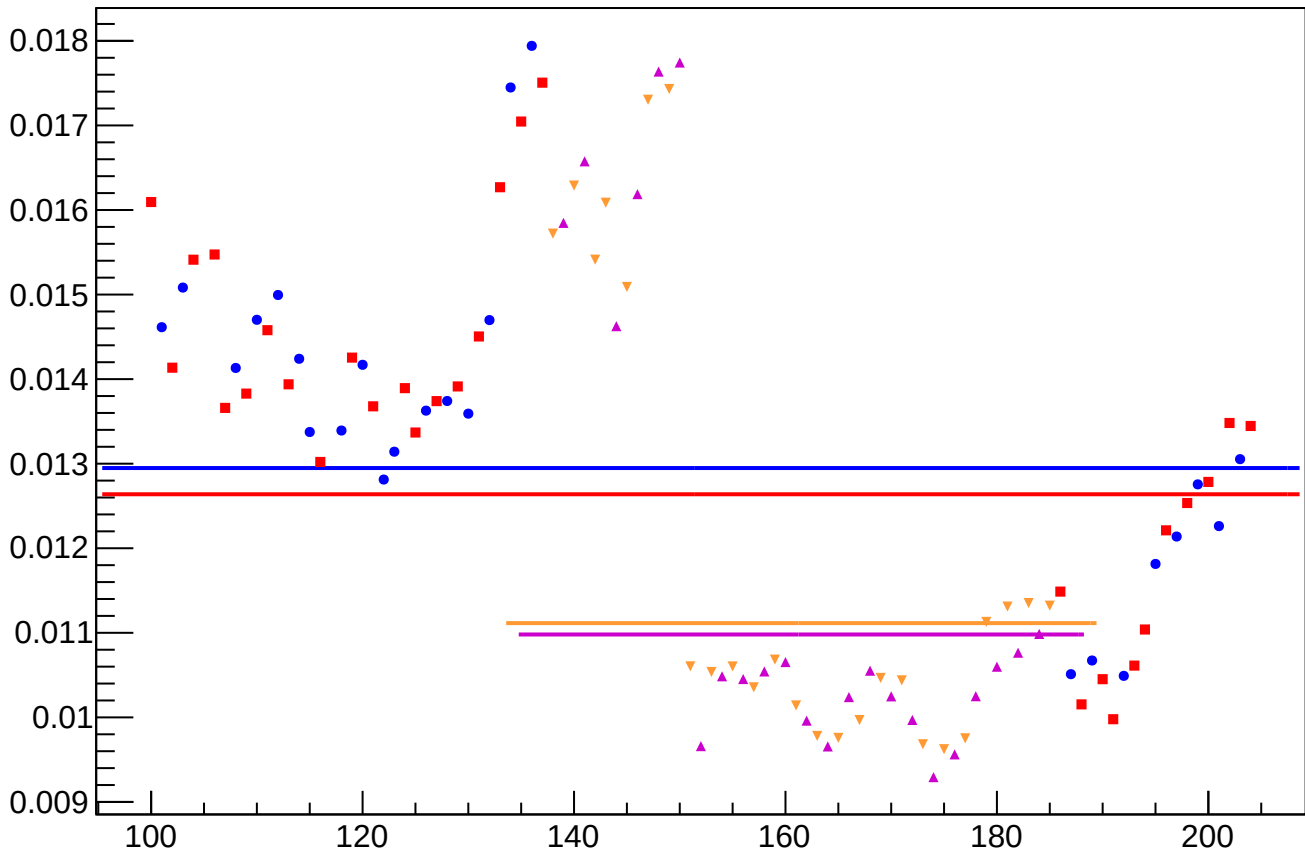
Left In: 1.446 $\pm$ 0.000 χ^2 /NDF: 53752493130.3/22

+ sign 1.345 $\pm$ 0.000 χ^2 /NDF: 125508503586.7/49

All: 1.392 $\pm$ 0.000 χ^2 /NDF: 279590992753.8

- sign 1.437 $\pm$ 0.000 χ^2 /NDF: 153151831302.0/52

yield_bpm1i06X_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2/NDF : 434794.4/24

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF :1227493.2/24

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 558410.8/29

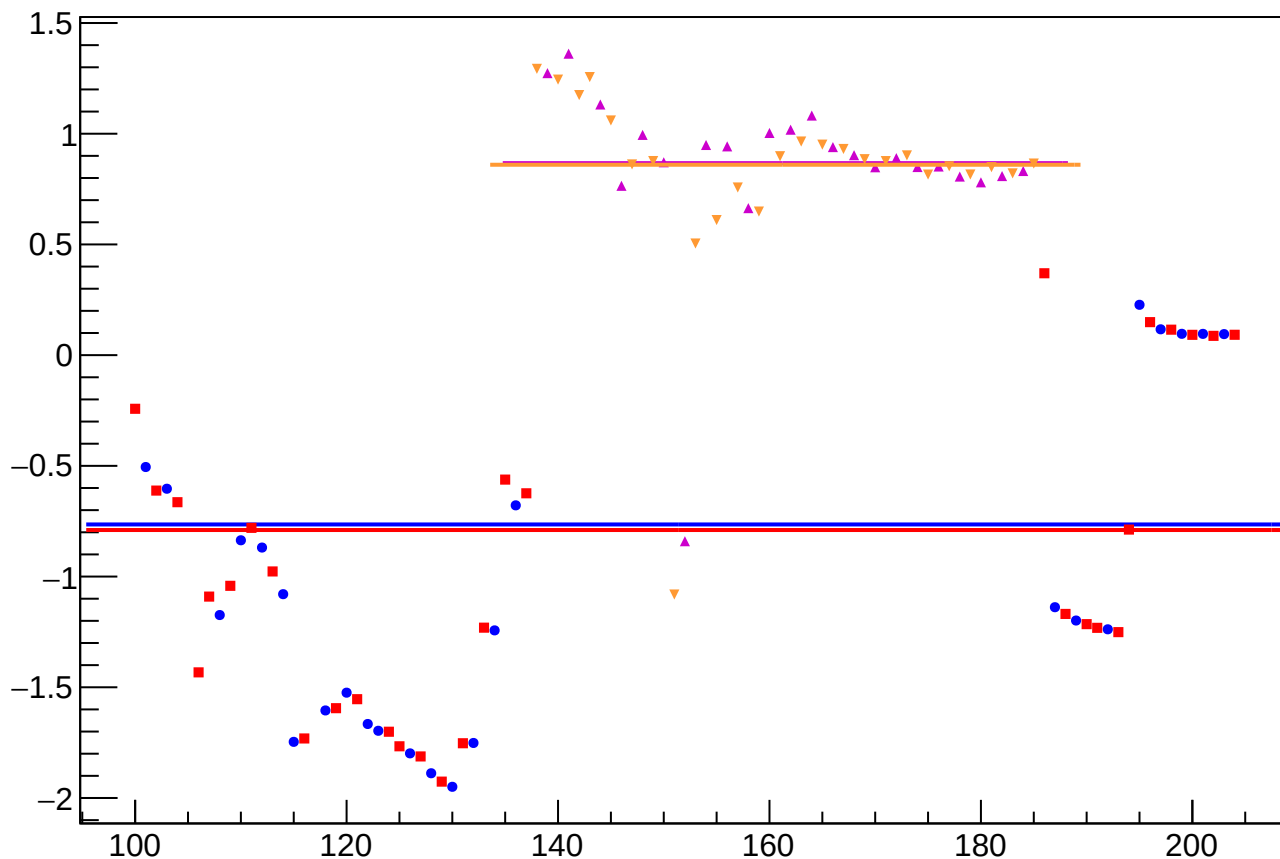
Left In: 0.011 $\pm$ 0.000 χ^2/NDF :1264827.0/22

+ sign 0.012 $\pm$ 0.000 χ^2/NDF : 1980507.6/49

All: 0.012 $\pm$ 0.000 χ^2/NDF : 4096698.8/102

- sign 0.012 $\pm$ 0.000 χ^2/NDF : 2113694.0/52

yield_bpm1i06Y_mean vs Slug



Right In: -0.765 ± 0.000 χ^2/NDF : 151049601473.1/24

Left Out: 0.860 ± 0.000 χ^2/NDF : 126335891175.4/24

Right Out: -0.790 ± 0.000 χ^2/NDF : 143593246520.3/29

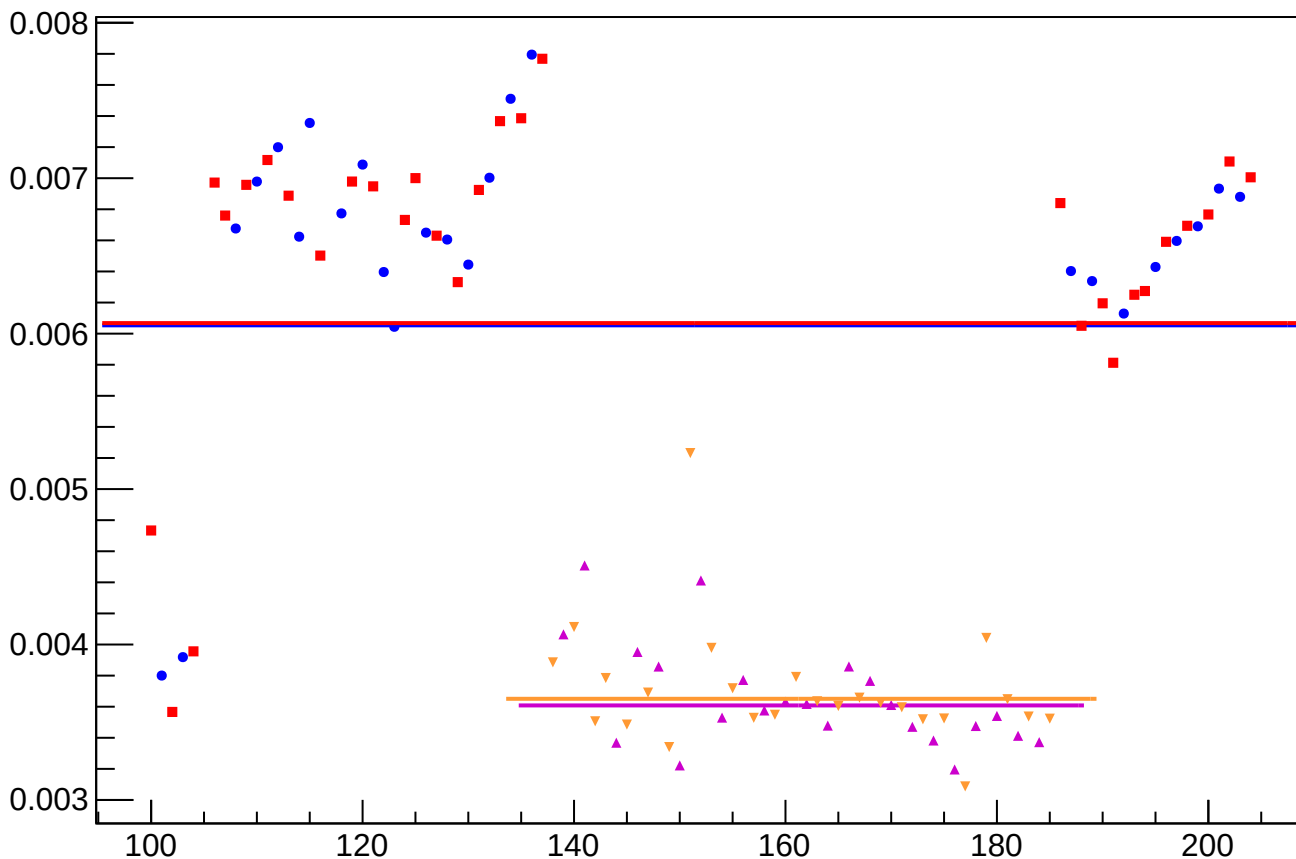
Left In: 0.867 ± 0.000 χ^2/NDF : 147039402944.6/22

+ sign 0.542 ± 0.000 χ^2/NDF : 923827463099.0/49

All: 0.518 ± 0.000 χ^2/NDF : 1963283175297.

- sign 0.494 ± 0.000 χ^2/NDF : 1037608087576.2/52

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 958241.2/24

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:237262.6/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 1069547.0/29

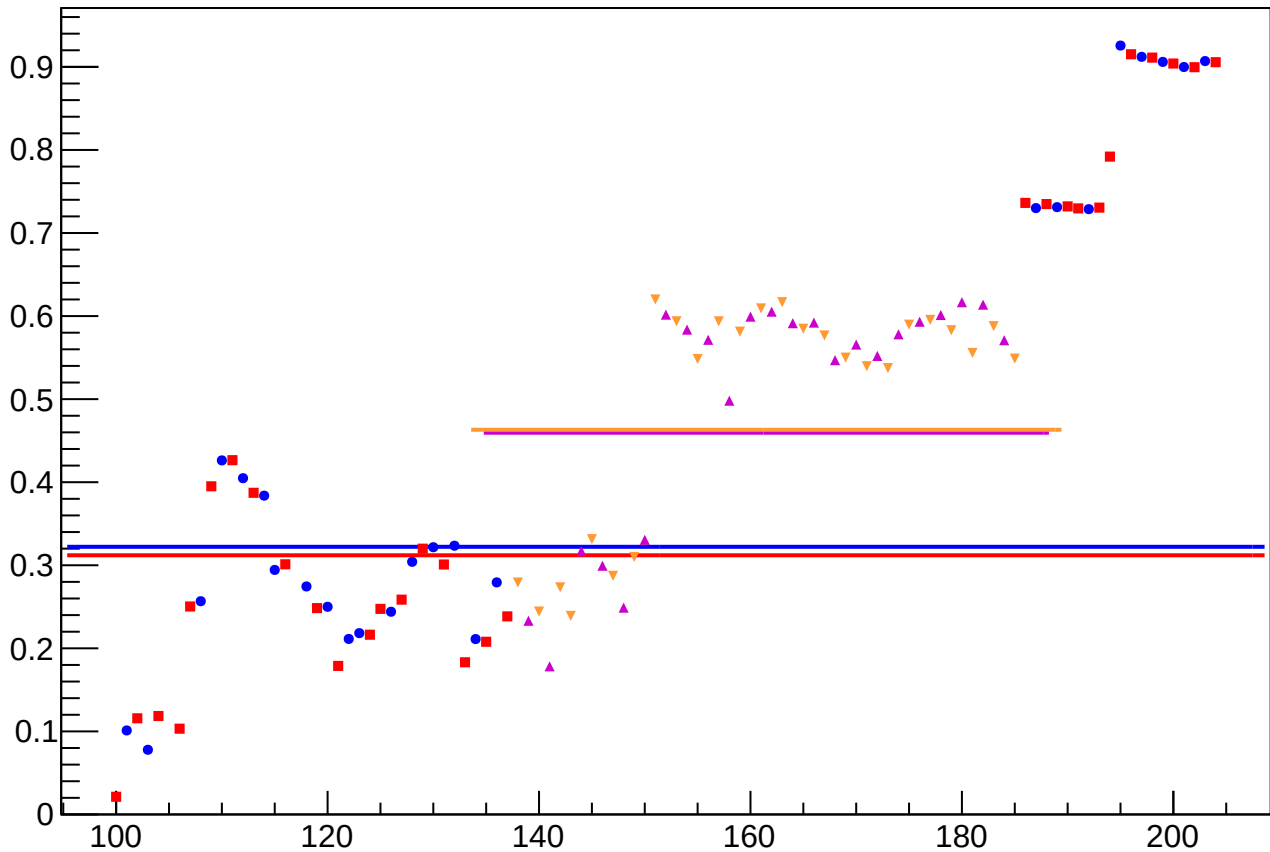
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:227861.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 4023663.6/49

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 8615797.8/102

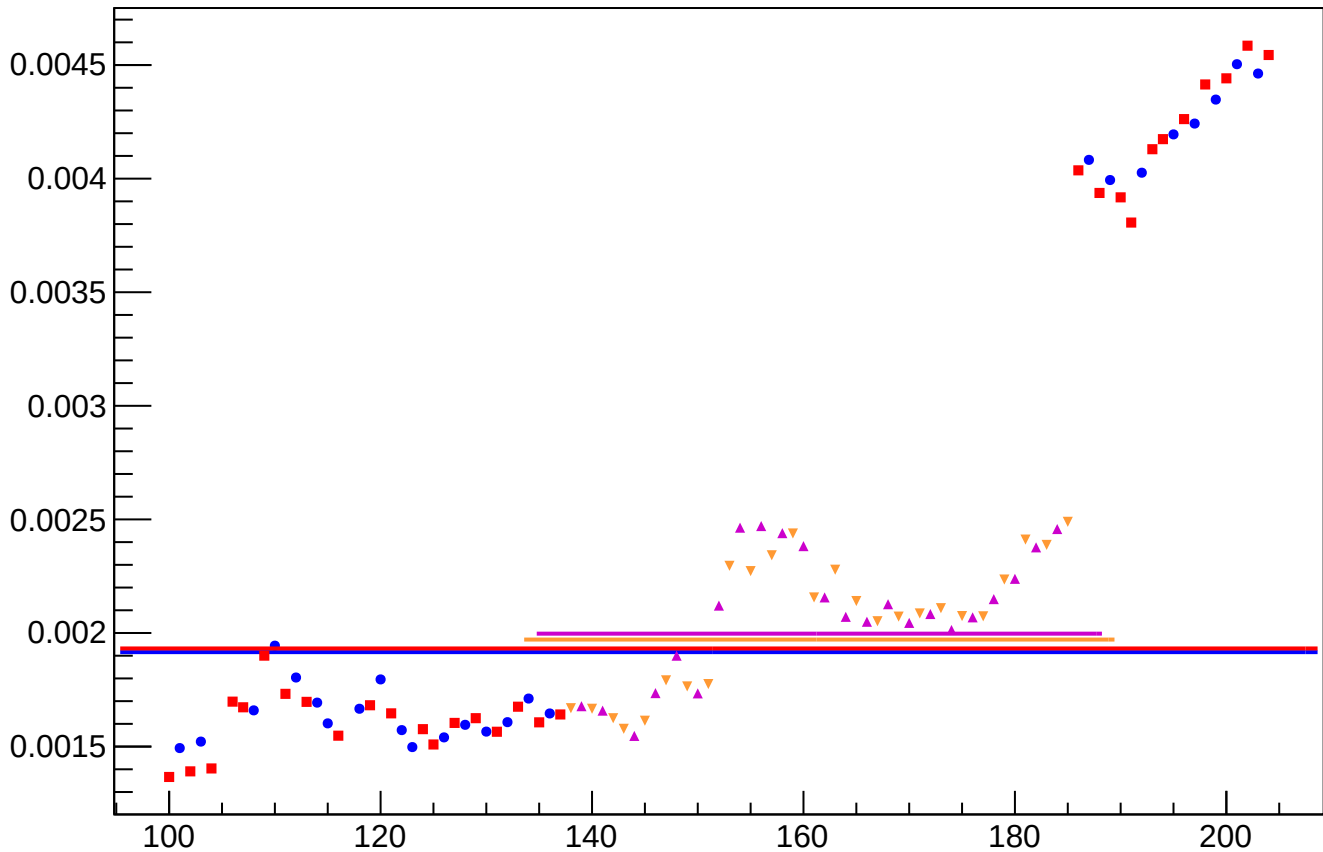
- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 4589362.7/52

yield_bpm2i01X_mean vs Slug



Right In: 0.322+/-0.000	χ^2/NDF : 120763909218.8/24	+ sign 0.411+/-0.000	χ^2/NDF : 257361383817.9/49
Left Out: 0.463+/-0.000	χ^2/NDF : 102506270538.7/24	All: 0.404+/-0.000	χ^2/NDF : 548679372501.1
Right Out: 0.312+/-0.000	χ^2/NDF : 147144126456.9/29	- sign 0.397+/-0.000	χ^2/NDF : 290628476192.8/52
Left In: 0.460+/-0.000	χ^2/NDF : 104559088628.4/22		

yield_bpm2i01X_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 3794834.2/24

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:730203.8/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 4883592.3/29

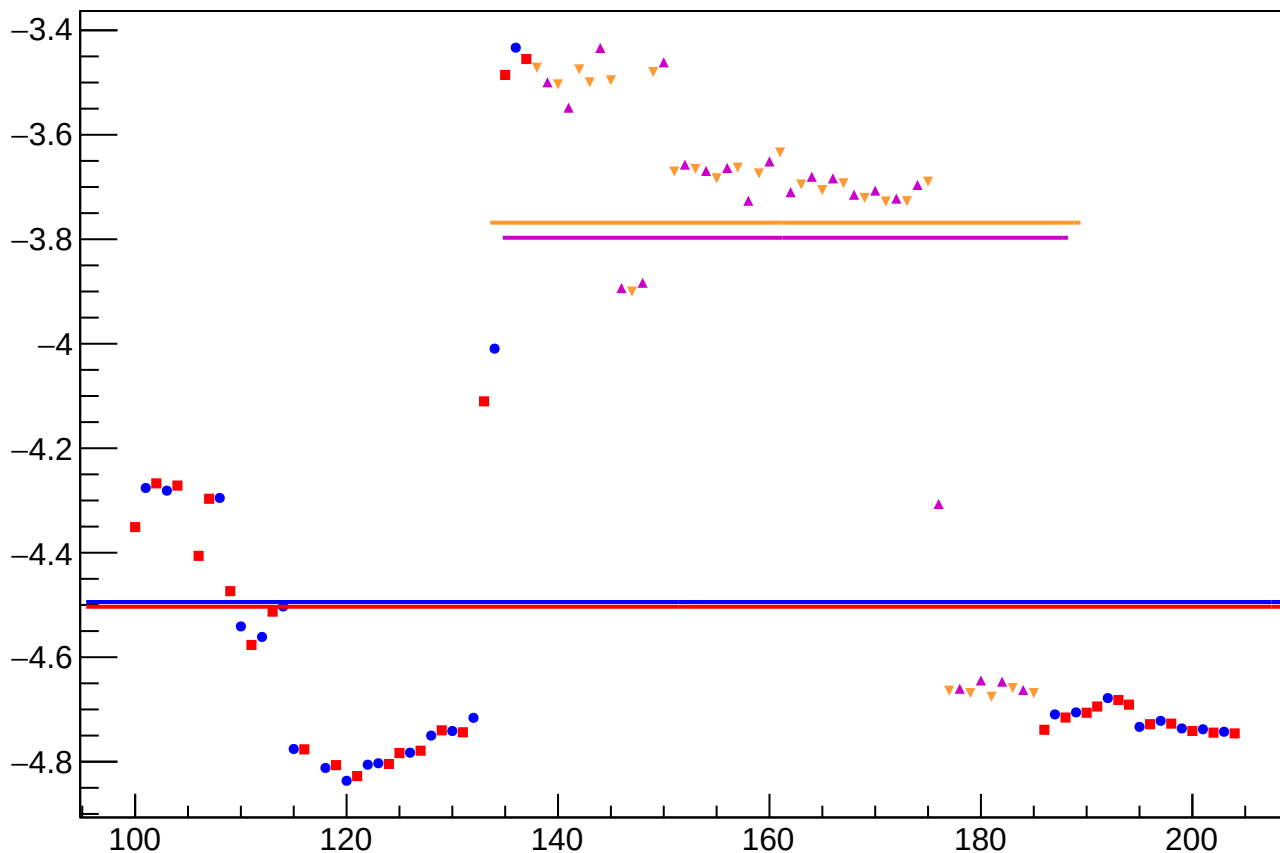
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:666404.2/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 4535558.9/49

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 10103371.5/102

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 5565177.4/52

yield_bpm2i01Y_mean vs Slug



Right In: -4.494+/-0.000 χ^2/NDF : 425736352602.2/24

Left Out: -3.768+/-0.000 χ^2/NDF : 516780173940.8/24

Right Out: -4.503+/-0.000 χ^2/NDF : 365836629029.0/29

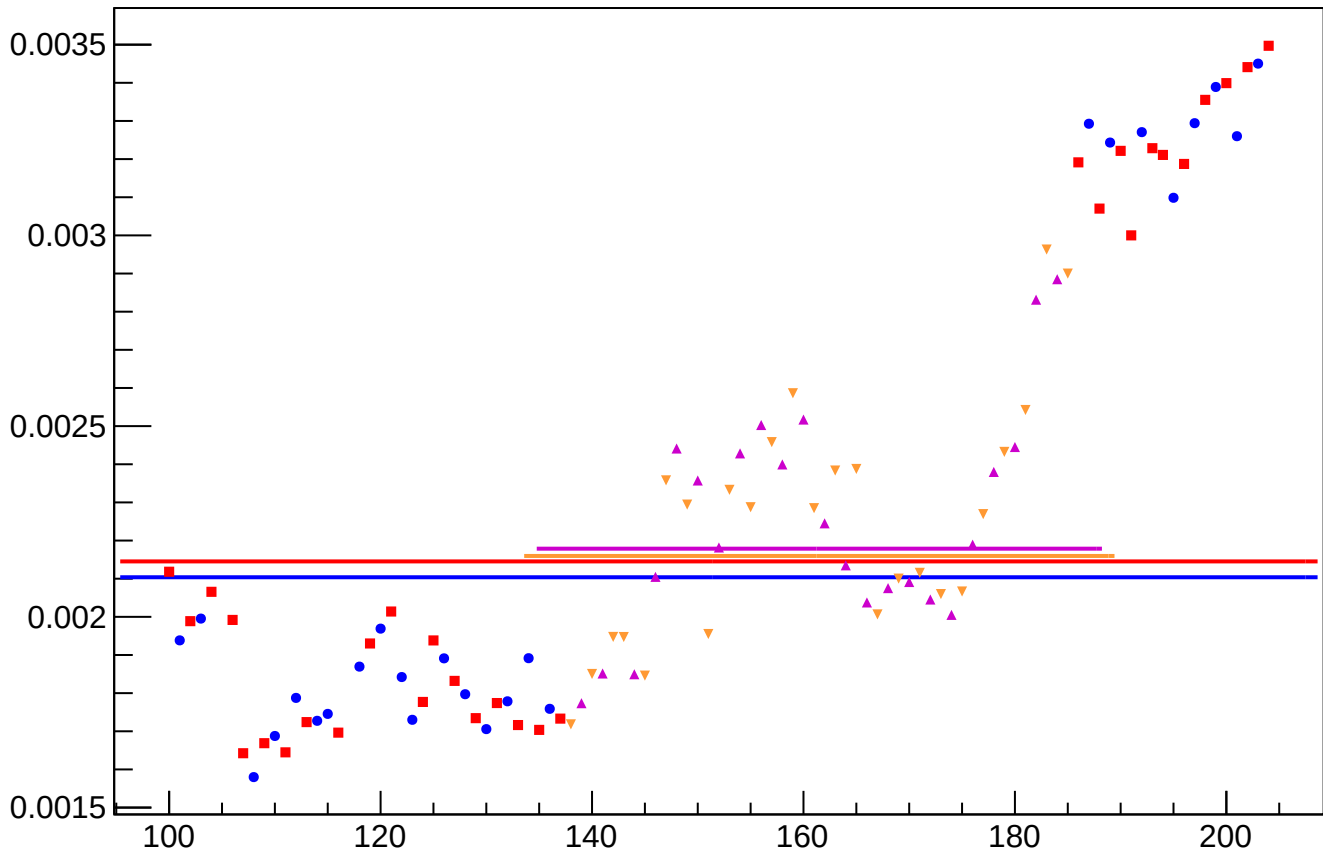
Left In: -3.797+/-0.000 χ^2/NDF : 444886272608.9/22

+ sign -4.056+/-0.000 χ^2/NDF : 1738540157022.0/4

All: -4.082+/-0.000 χ^2/NDF : 3336421198520

- sign -4.108+/-0.000 χ^2/NDF : 1589344415039.9/52

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 1825836.9/24

Left Out: 0.002+/-0.000 χ^2/NDF :547831.5/24

Right Out: 0.002+/-0.000 χ^2/NDF : 2262951.8/29

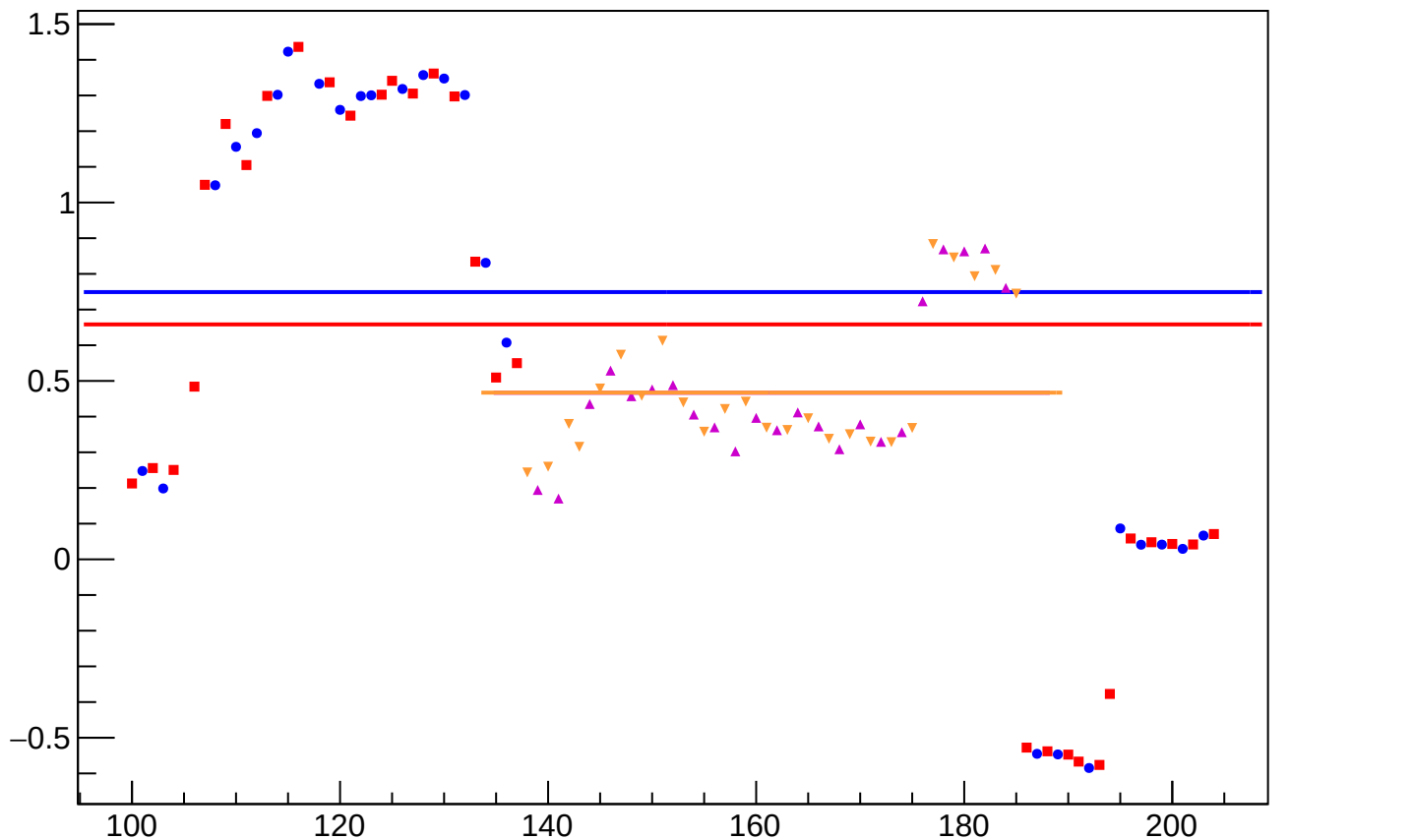
Left In: 0.002+/-0.000 χ^2/NDF :463279.7/22

+ sign 0.002+/-0.000 χ^2/NDF : 2383087.0/49

All: 0.002+/-0.000 χ^2/NDF : 5117243.8/102

- sign 0.002+/-0.000 χ^2/NDF : 2729709.2/52

yield_bpm2i02X_mean vs Slug



Right In: 0.749 $\pm$ 0.000 χ^2 /NDF: 70439837034.2/24

Left Out: 0.467 $\pm$ 0.000 χ^2 /NDF: 7359344143.3/24

Right Out: 0.658 $\pm$ 0.000 χ^2 /NDF: 93688020264.1/29

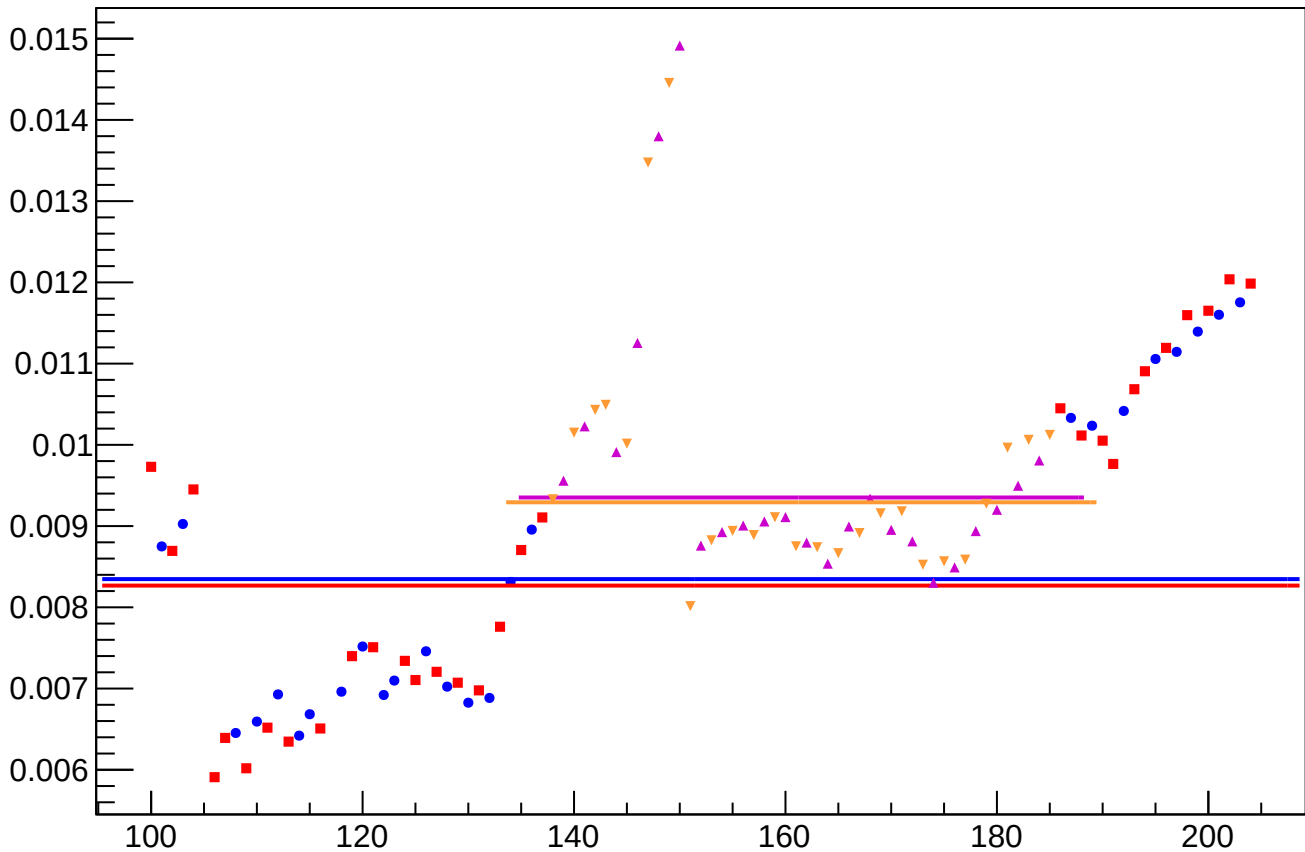
Left In: 0.467 $\pm$ 0.000 χ^2 /NDF: 8036741308.0/22

+ sign 0.592 $\pm$ 0.000 χ^2 /NDF: 85167358932.3/49

All: 0.577 $\pm$ 0.000 χ^2 /NDF: 190636192525.3

- sign 0.563 $\pm$ 0.000 χ^2 /NDF: 105304144427.5/52

yield_bpm2i02X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1106836.6/24

Left Out: 0.009+/-0.000 χ^2/NDF : 528279.5/24

Right Out: 0.008+/-0.000 χ^2/NDF : 1541049.4/29

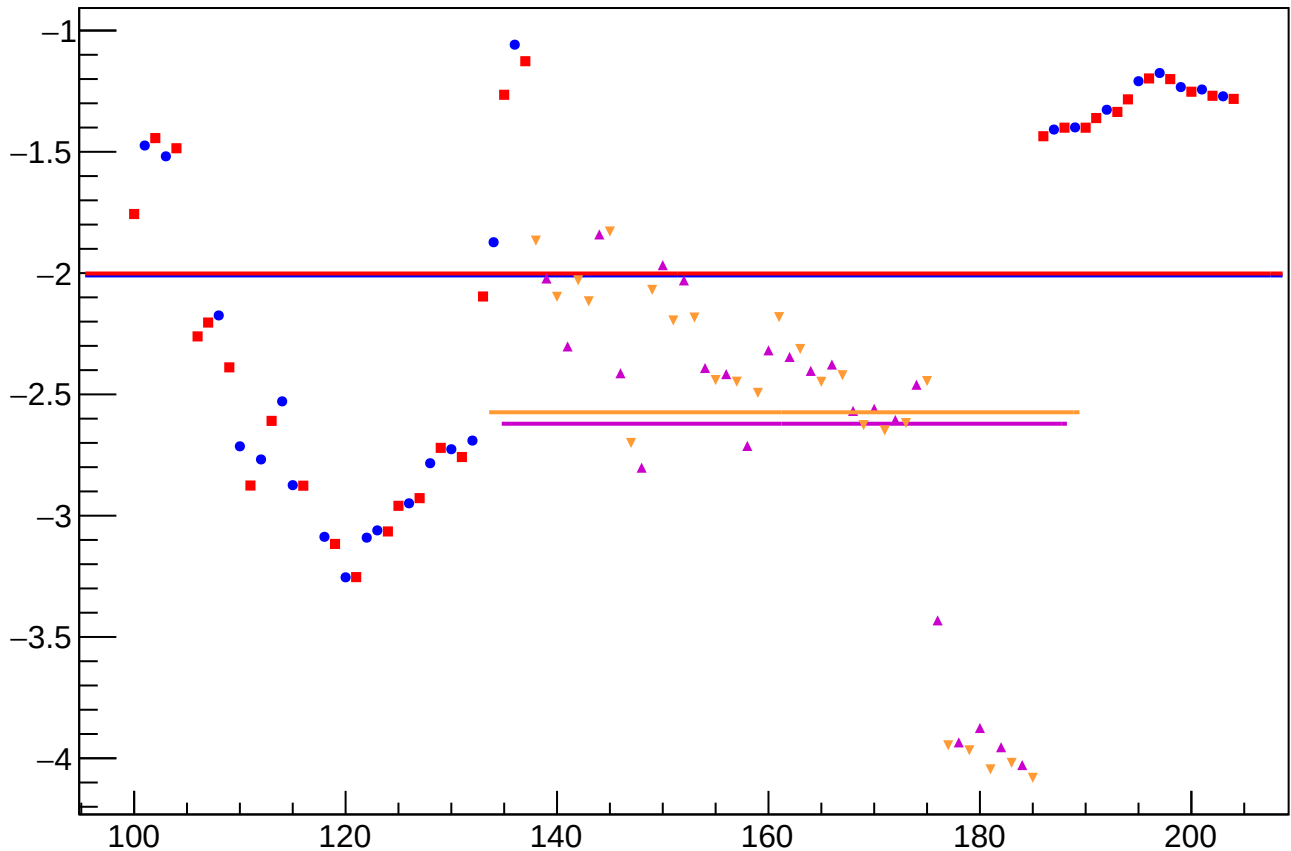
Left In: 0.009+/-0.000 χ^2/NDF : 557555.2/22

+ sign 0.009+/-0.000 χ^2/NDF : 1801026.6/49

All: 0.009+/-0.000 χ^2/NDF : 4130661.7/102

- sign 0.009+/-0.000 χ^2/NDF : 2327993.1/52

yield_bpm2i02Y_mean vs Slug



Right In: -2.010 ± 0.000 $\chi^2/\text{NDF}: 117113307342.4/24$

Left Out: -2.574 ± 0.000 $\chi^2/\text{NDF}: 99176112704.9/24$

Right Out: -2.002 ± 0.000 $\chi^2/\text{NDF}: 117433412370.0/29$

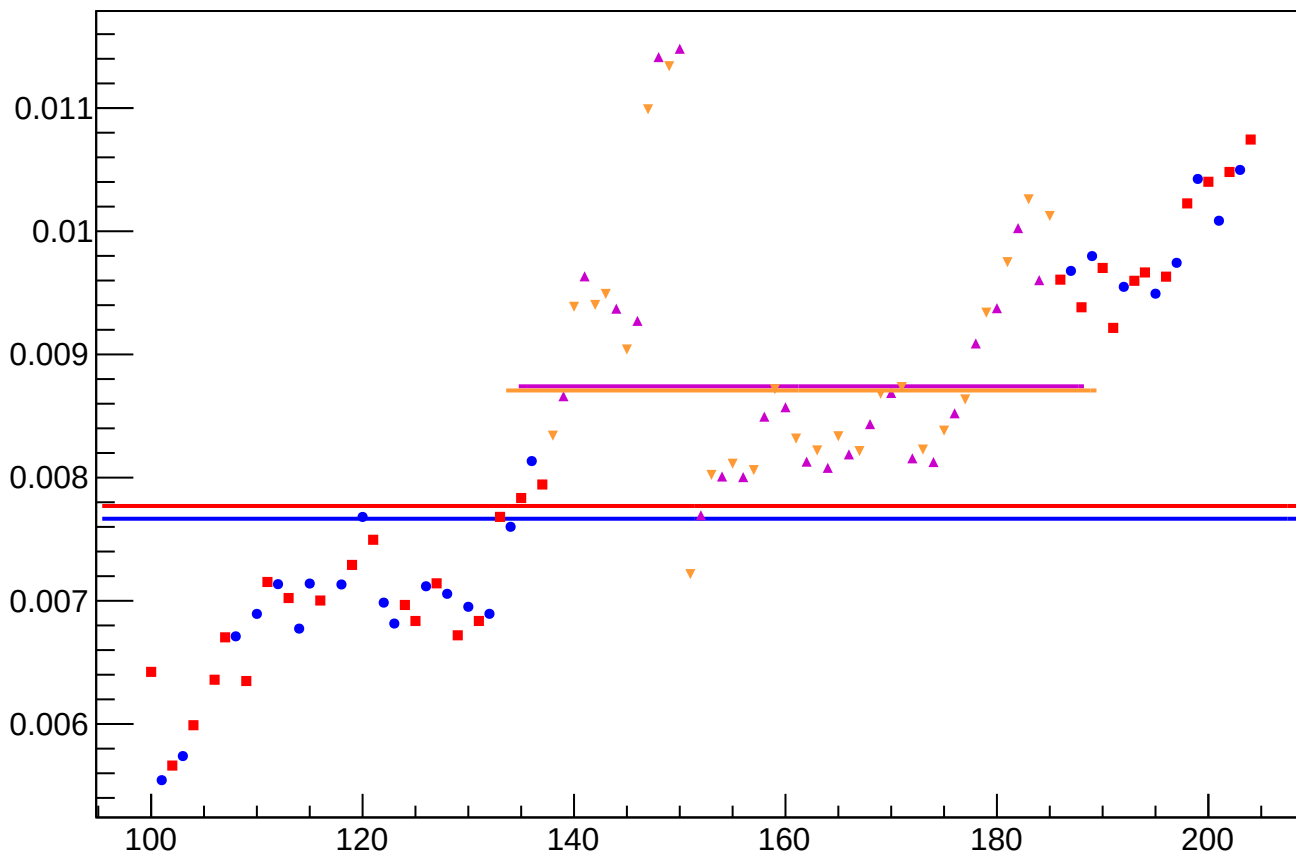
Left In: -2.621 ± 0.000 $\chi^2/\text{NDF}: 80862402796.4/22$

+ sign -2.317 ± 0.000 $\chi^2/\text{NDF}: 250917071323.2/49$

All: -2.314 ± 0.000 $\chi^2/\text{NDF}: 492385353855.5$

- sign -2.310 ± 0.000 $\chi^2/\text{NDF}: 241456129513.0/52$

yield_bpm2i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 966040.3/24

Left Out: 0.009+/-0.000 χ^2/NDF : 369376.5/24

Right Out: 0.008+/-0.000 χ^2/NDF : 1103720.5/29

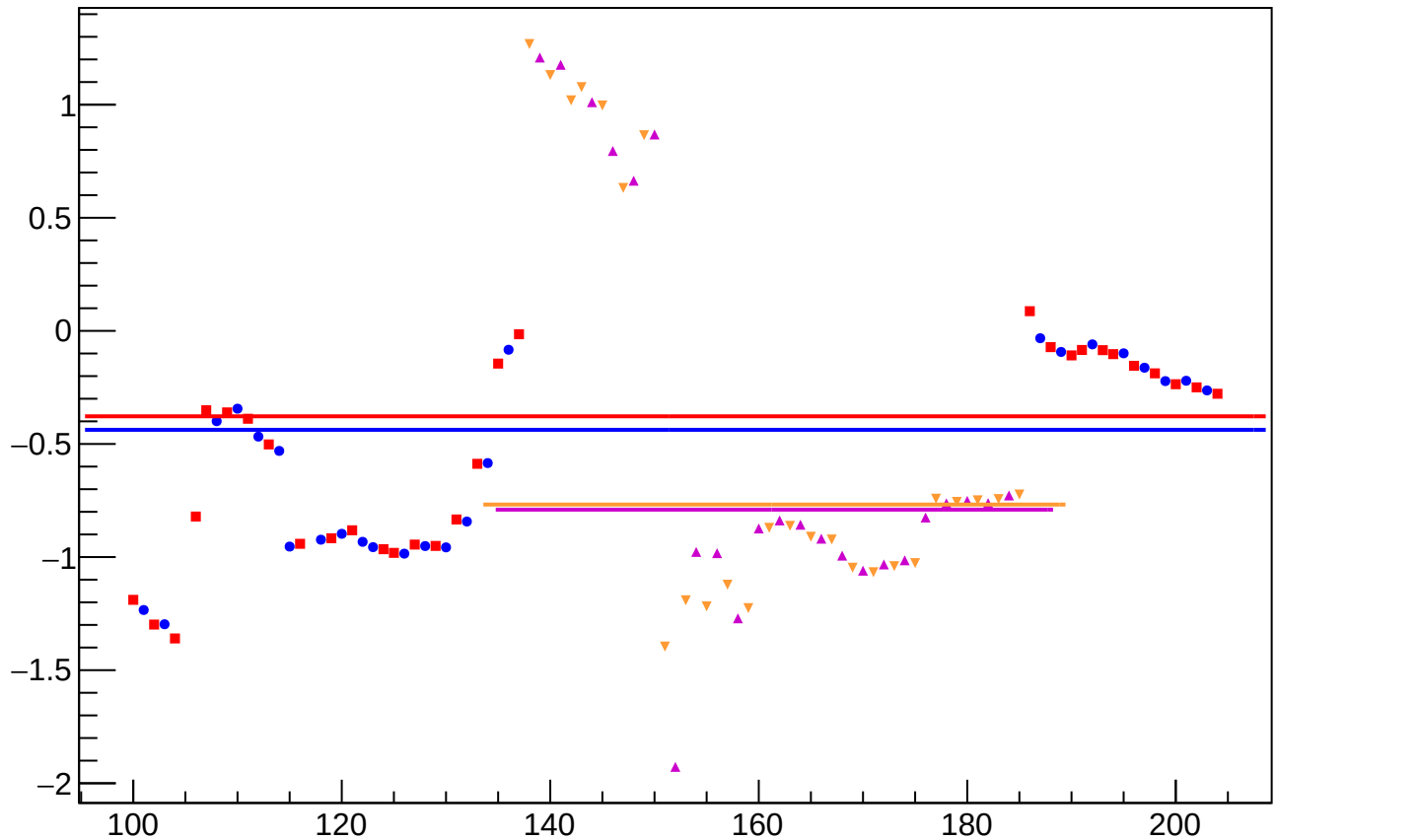
Left In: 0.009+/-0.000 χ^2/NDF : 353750.0/22

+ sign 0.008+/-0.000 χ^2/NDF : 1571335.4/49

All: 0.008+/-0.000 χ^2/NDF : 3241366.0/102

- sign 0.008+/-0.000 χ^2/NDF : 1669867.3/52

yield_bpm0i01X_mean vs Slug



Right In: -0.437 ± 0.000 χ^2/NDF : 22142531345.1/24

Left Out: -0.768 ± 0.000 χ^2/NDF : 120774855982.9/24

Right Out: -0.378 ± 0.000 χ^2/NDF : 25015524299.9/29

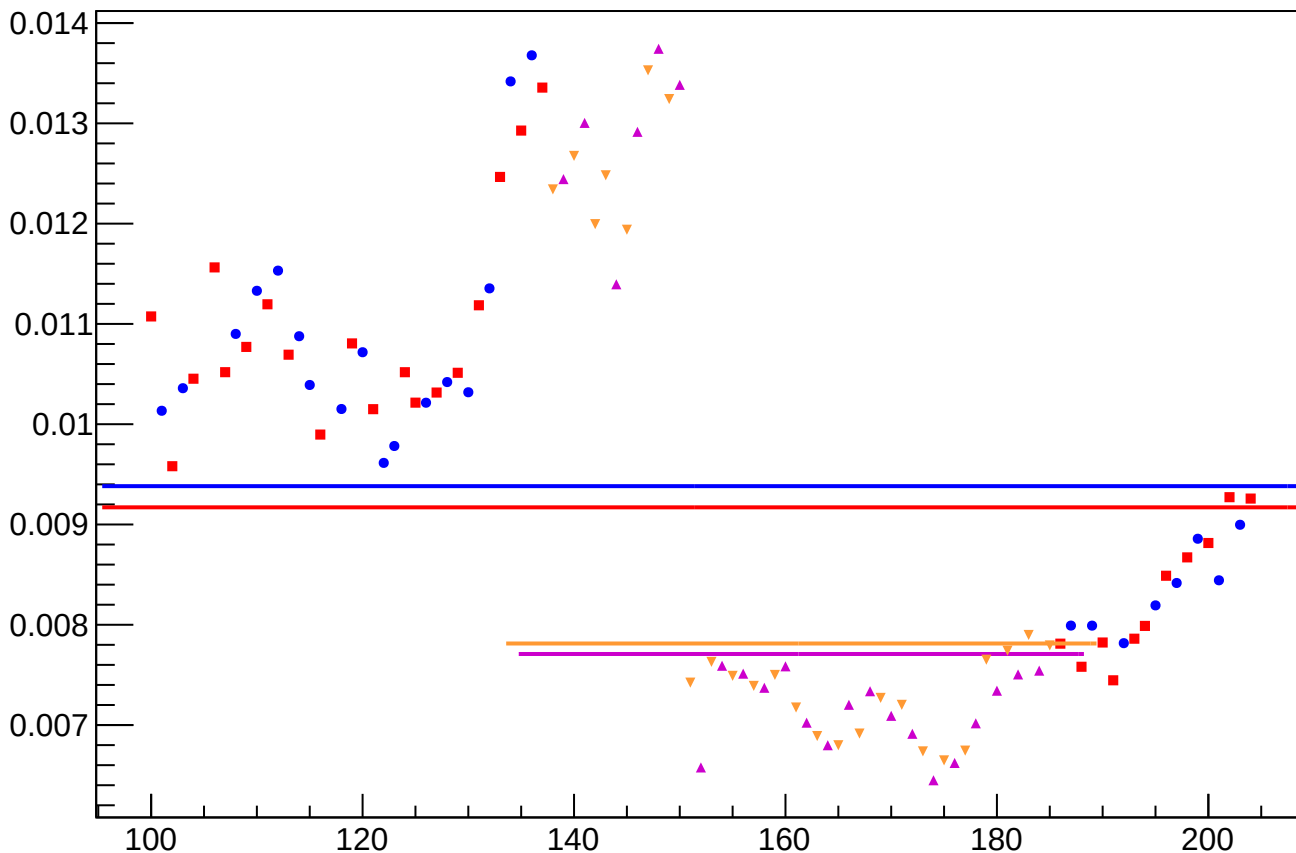
Left In: -0.790 ± 0.000 χ^2/NDF : 123452478408.2/22

+ sign -0.662 ± 0.000 χ^2/NDF : 152807026157.7/49

All: -0.649 ± 0.000 χ^2/NDF : 318686403812.1

- sign -0.637 ± 0.000 χ^2/NDF : 165746006109.7/52

yield_bpm0i01X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 539184.2/24

Left Out: 0.008+/-0.000 χ^2/NDF :1705997.6/24

Right Out: 0.009+/-0.000 χ^2/NDF : 628133.5/29

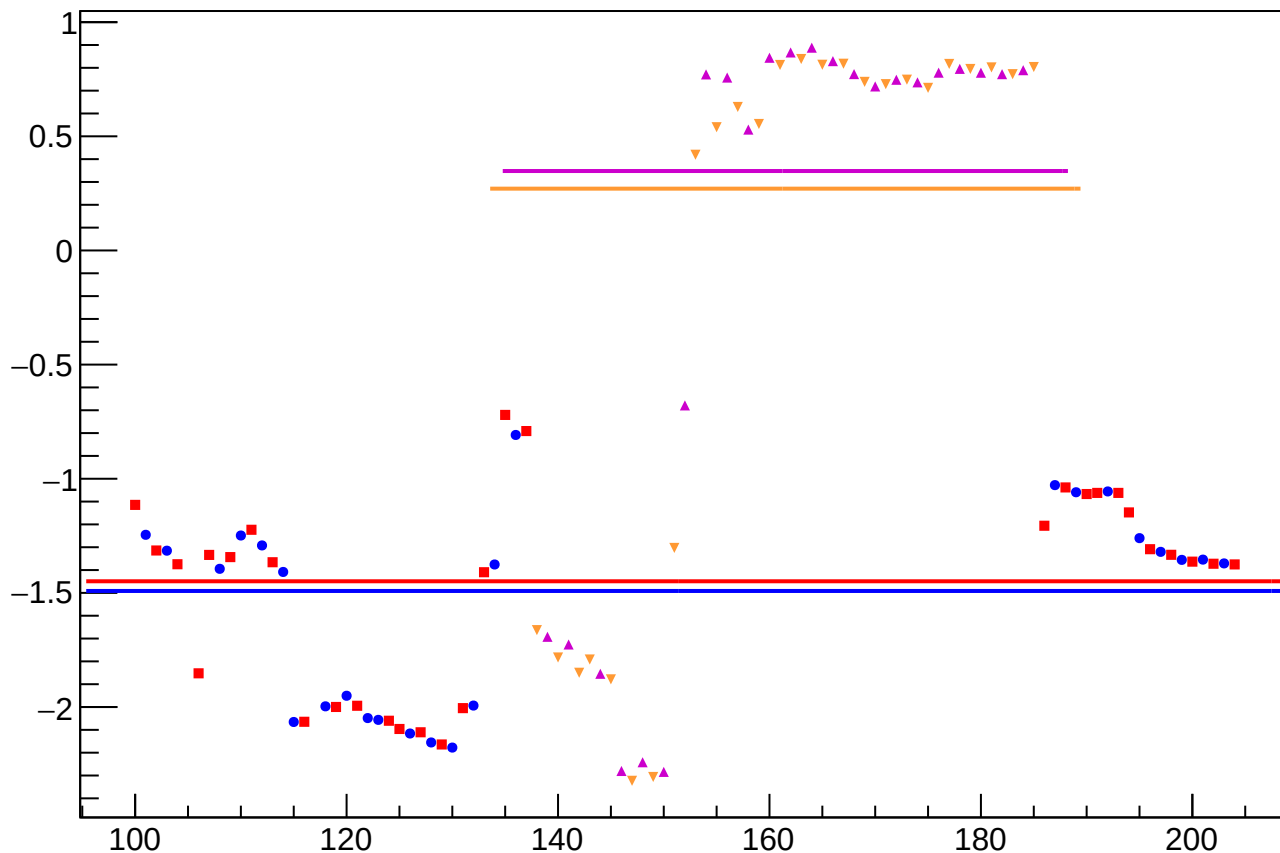
Left In: 0.008+/-0.000 χ^2/NDF :1746653.6/22

+ sign 0.008+/-0.000 χ^2/NDF : 2691325.9/49

All: 0.008+/-0.000 χ^2/NDF : 5501869.2/102

- sign 0.008+/-0.000 χ^2/NDF : 2808810.0/52

yield_bpm0i01Y_mean vs Slug



Right In: -1.492 ± 0.000 χ^2/NDF : 173534077069.2/24

Left Out: 0.271 ± 0.000 χ^2/NDF : 2583233987355.9/24

Right Out: -1.449 ± 0.000 χ^2/NDF : 163938578119.0/29

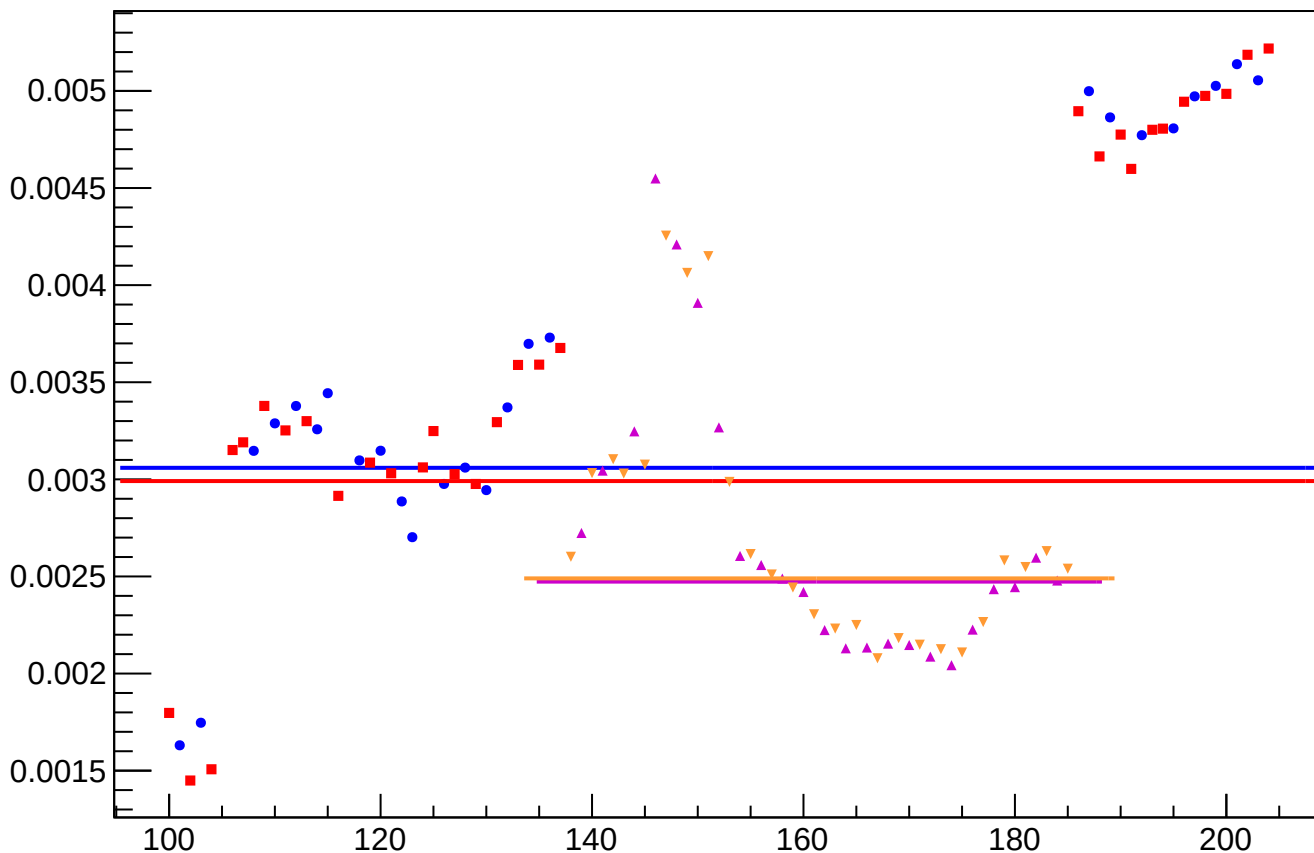
Left In: 0.348 ± 0.000 χ^2/NDF : 2274004426513.8/22

+ sign -0.240 ± 0.000 χ^2/NDF : 5114637832487.5/4

All: -0.247 ± 0.000 χ^2/NDF : 1024353974317

- sign -0.255 ± 0.000 χ^2/NDF : 5128450673788.1/52

yield_bpm0i01Y_rms vs Slug



Right In: 0.003 ± 0.000 χ^2/NDF : 2973117.2/24

Left Out: 0.002 ± 0.000 χ^2/NDF : 1070282.7/24

Right Out: 0.003 ± 0.000 χ^2/NDF : 4225464.5/29

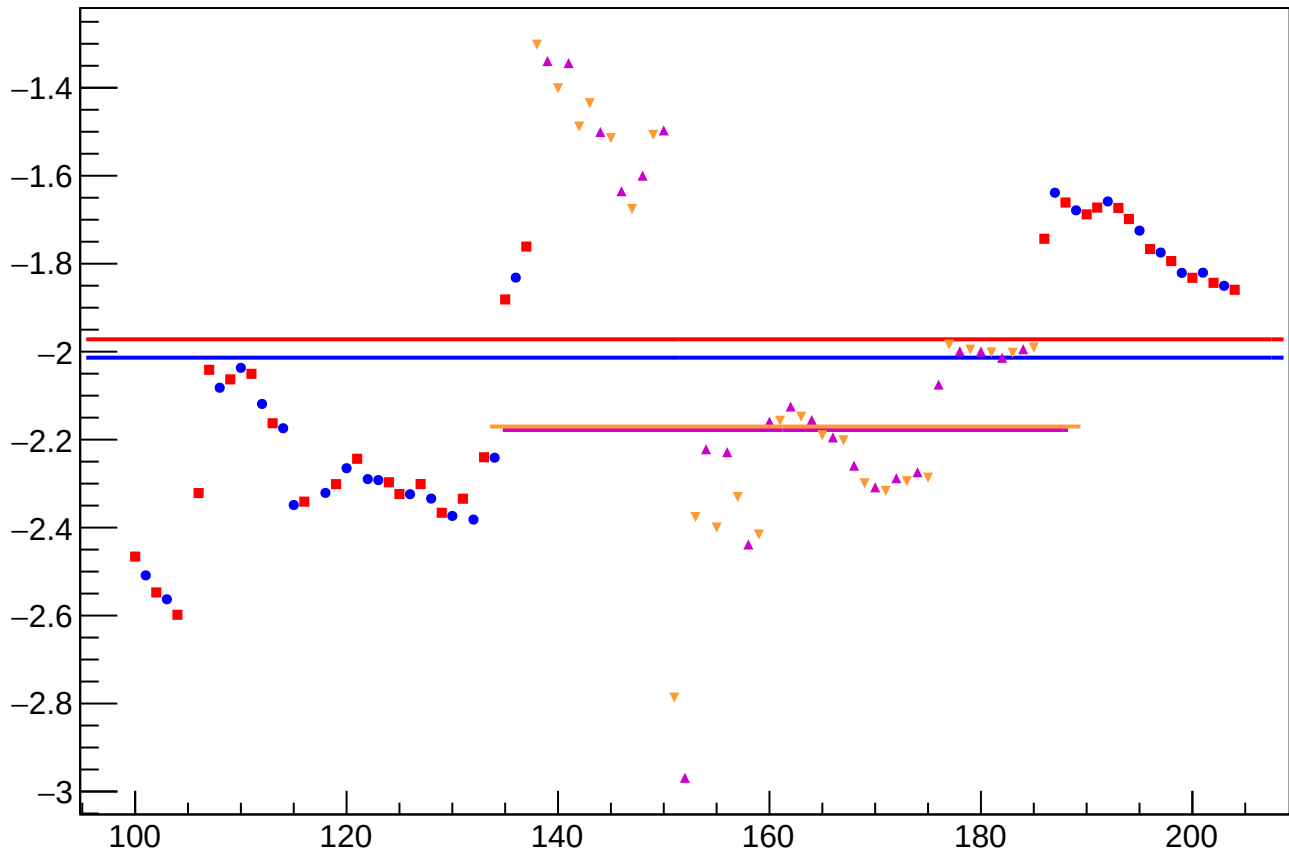
Left In: 0.002 ± 0.000 χ^2/NDF : 1135279.8/22

+ sign 0.003 ± 0.000 χ^2/NDF : 4535514.8/49

All: 0.003 ± 0.000 χ^2/NDF : 10343060.5/102

- sign 0.003 ± 0.000 χ^2/NDF : 5807324.5/52

yield_bpm0i01aX_mean vs Slug



Right In: -2.014+/-0.000 χ^2/NDF : 29727004043.0/24

Left Out: -2.170+/-0.000 χ^2/NDF : 59967315241.9/24

Right Out: -1.972+/-0.000 χ^2/NDF : 34527034861.3/29

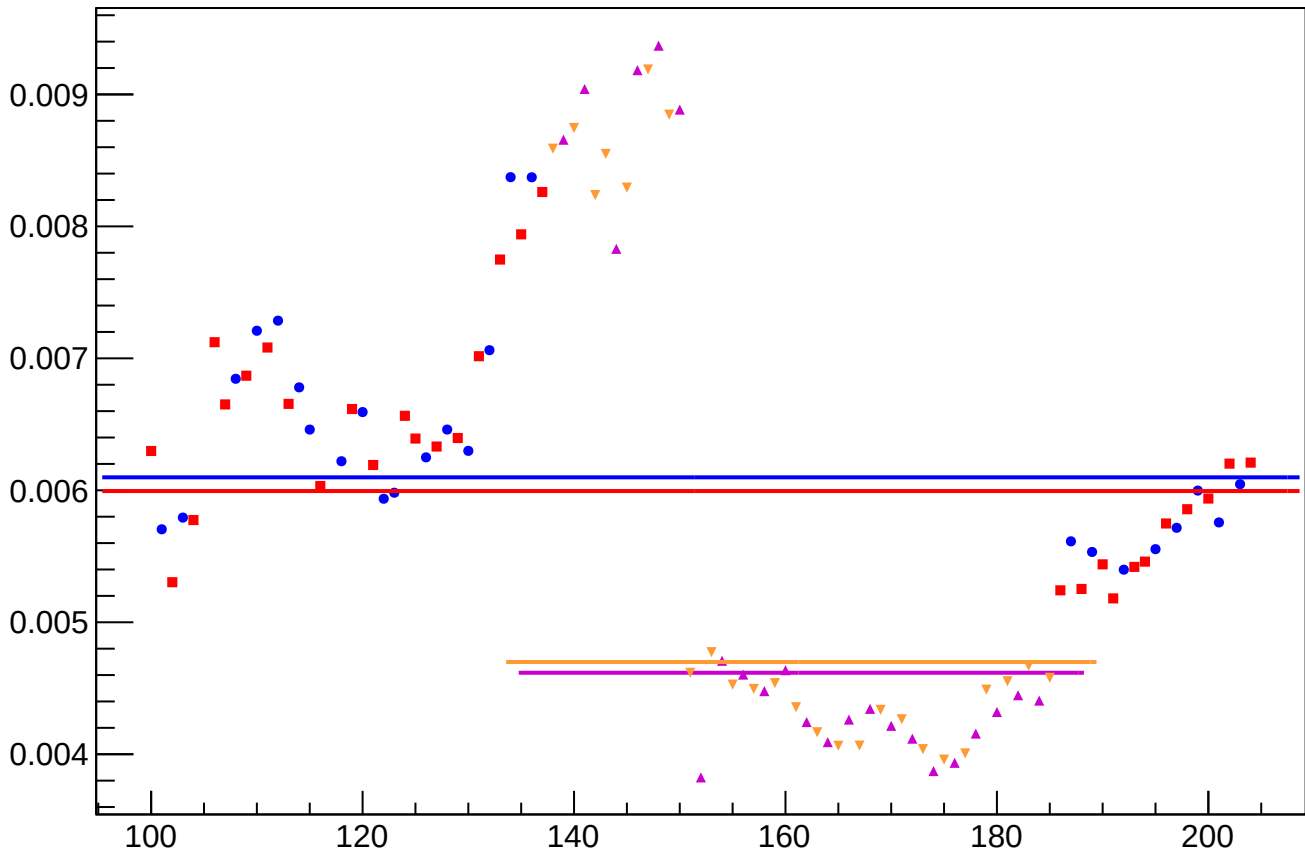
Left In: -2.178+/-0.000 χ^2/NDF : 73402051113.3/22

+ sign -2.124+/-0.000 χ^2/NDF : 95160735913.8/49

All: -2.116+/-0.000 χ^2/NDF : 213855935007.1

- sign -2.108+/-0.000 χ^2/NDF : 118549588360.4/52

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 301767.9/24

Left Out: 0.005+/-0.000 χ^2/NDF :2319588.7/24

Right Out: 0.006+/-0.000 χ^2/NDF : 352773.2/29

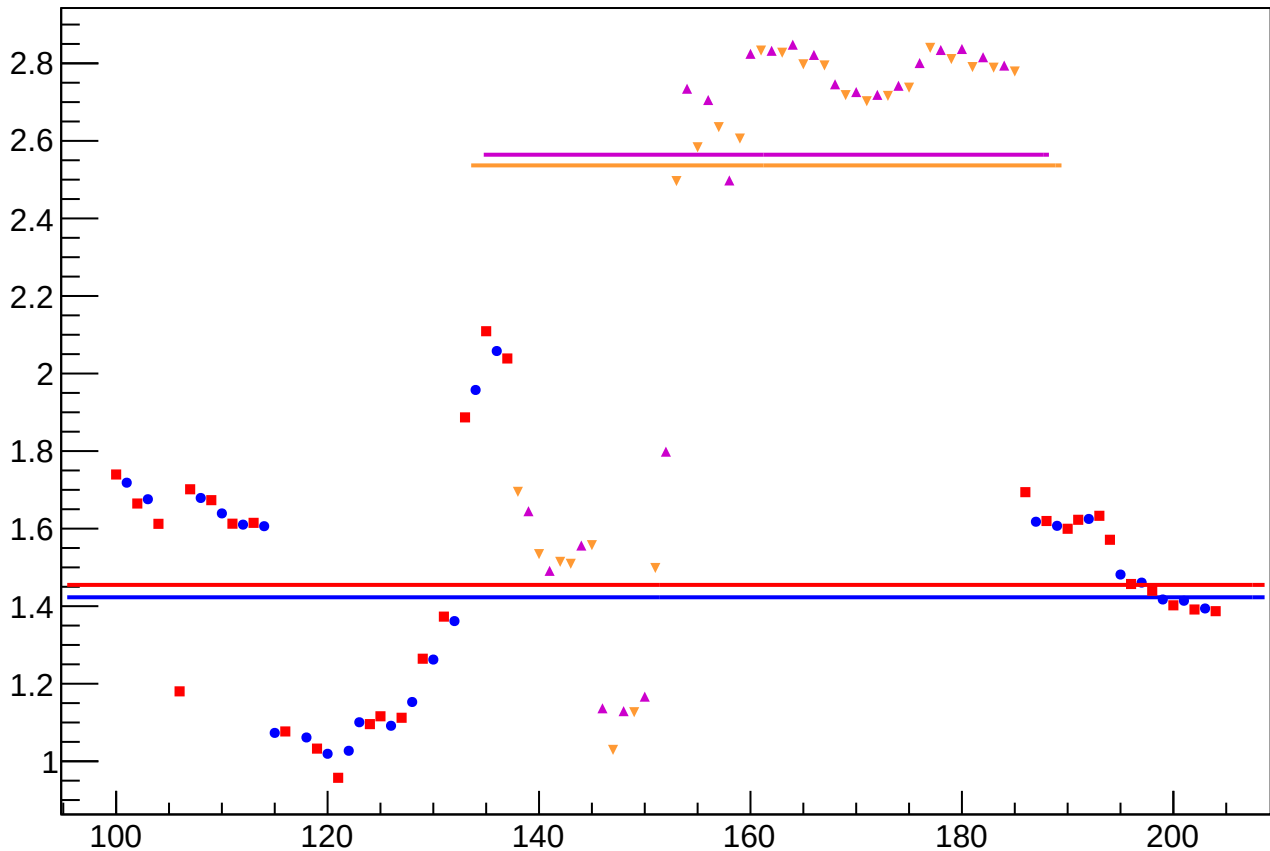
Left In: 0.005+/-0.000 χ^2/NDF :2367440.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 3494169.7/49

All: 0.005+/-0.000 χ^2/NDF : 7163427.9/102

- sign 0.005+/-0.000 χ^2/NDF : 3668603.0/52

yield_bpm0i01aY_mean vs Slug



Right In: 1.423+/-0.000 χ^2/NDF : 174111332729.7/24

Left Out: 2.537+/-0.000 χ^2/NDF : 269554948115.3/24

Right Out: 1.455+/-0.000 χ^2/NDF : 176900285442.2/29

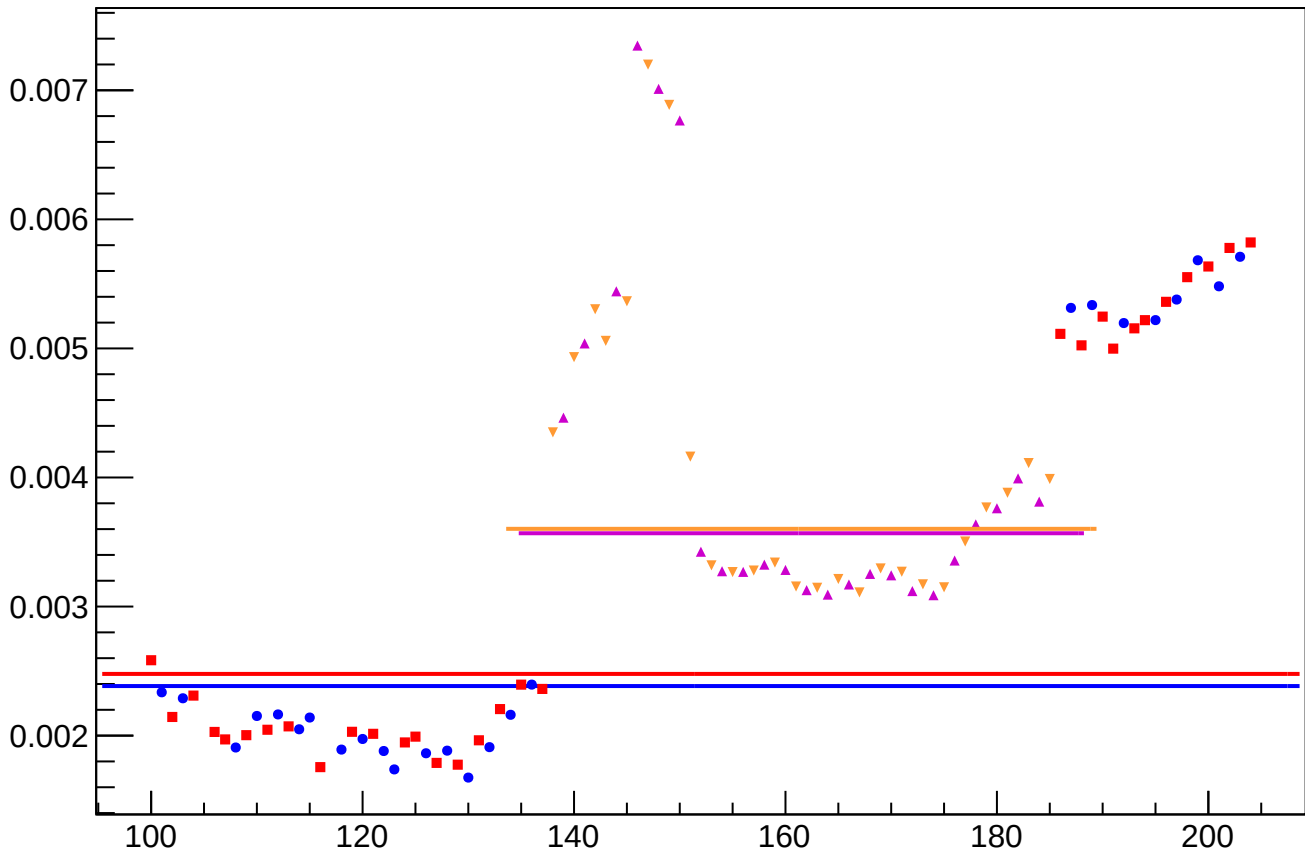
Left In: 2.564+/-0.000 χ^2/NDF : 260287937727.8/22

+ sign 1.903+/-0.000 χ^2/NDF : 1353580711549.8/49

All: 1.902+/-0.000 χ^2/NDF : 2692125881724.

- sign 1.902+/-0.000 χ^2/NDF : 1338543950138.6/52

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 3998102.3/24

Left Out: 0.004+/-0.000 χ^2/NDF :1410717.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 4840219.9/29

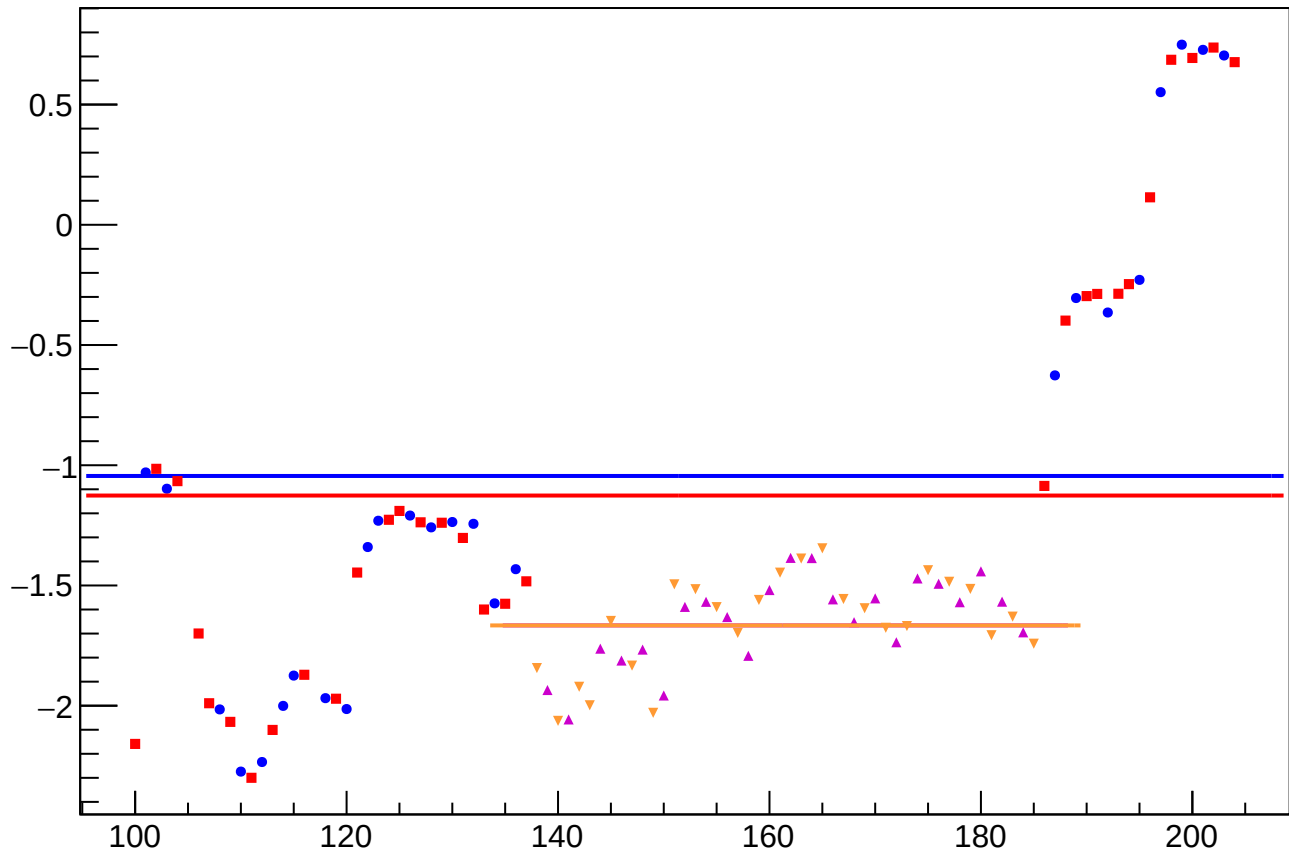
Left In: 0.004+/-0.000 χ^2/NDF :1563028.0/22

+ sign 0.003+/-0.000 χ^2/NDF : 7585664.0/49

All: 0.003+/-0.000 χ^2/NDF : 15728689.0/102

- sign 0.003+/-0.000 χ^2/NDF : 8142813.5/52

yield_bpm0l01X_mean vs Slug



Right In: -1.045+/-0.000 χ^2 /NDF: 142712236412.6/24

Left Out: -1.666+/-0.000 χ^2 /NDF: 18325162131.2/24

Right Out: -1.126+/-0.000 χ^2 /NDF: 177686111443.4/29

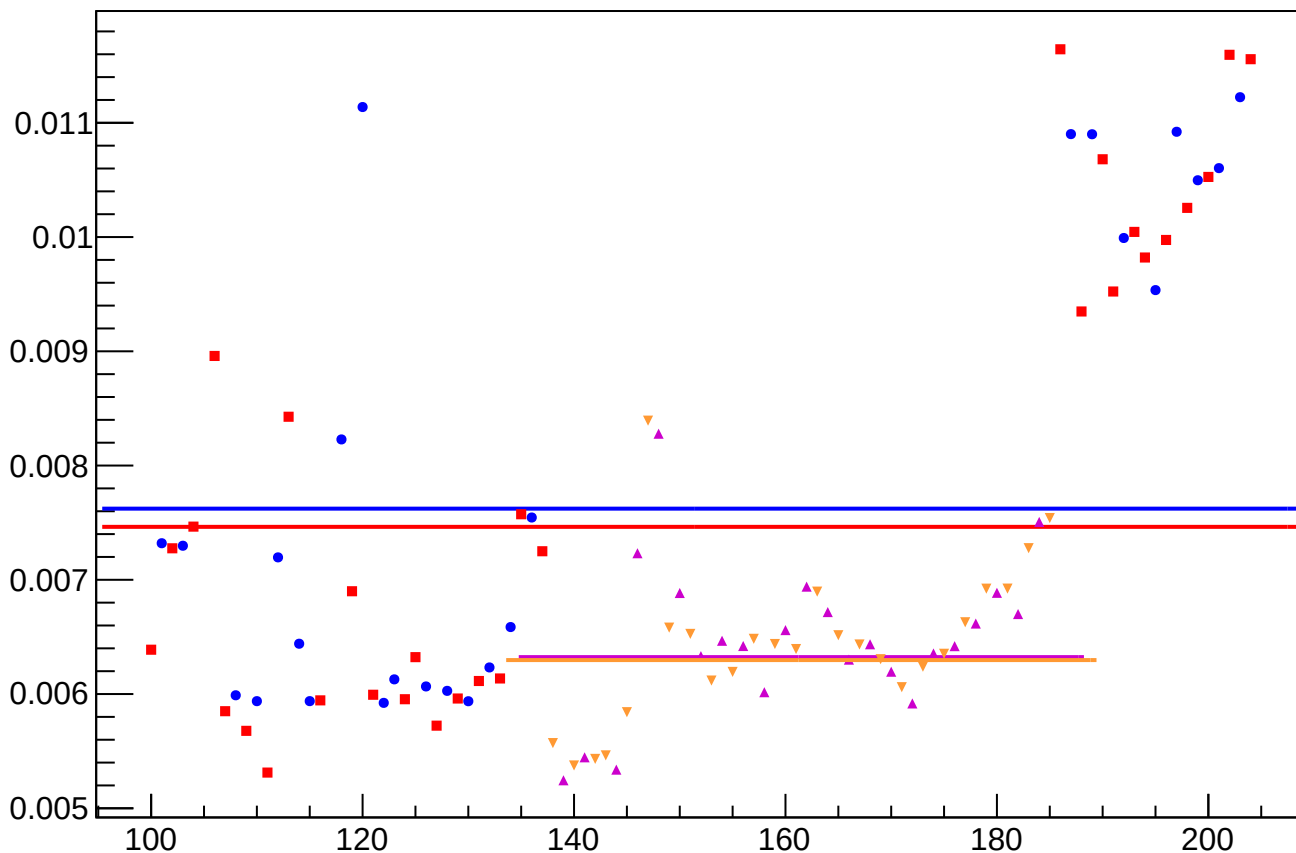
Left In: -1.666+/-0.000 χ^2 /NDF: 14292570816.9/22

+ sign -1.481+/-0.000 χ^2 /NDF: 211839356891.3/49

All: -1.477+/-0.000 χ^2 /NDF: 446661267691.5

- sign -1.473+/-0.000 χ^2 /NDF: 234801884090.4/52

yield_bpm0l01X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 1310744.3/24

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:310757.0/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 1721949.0/29

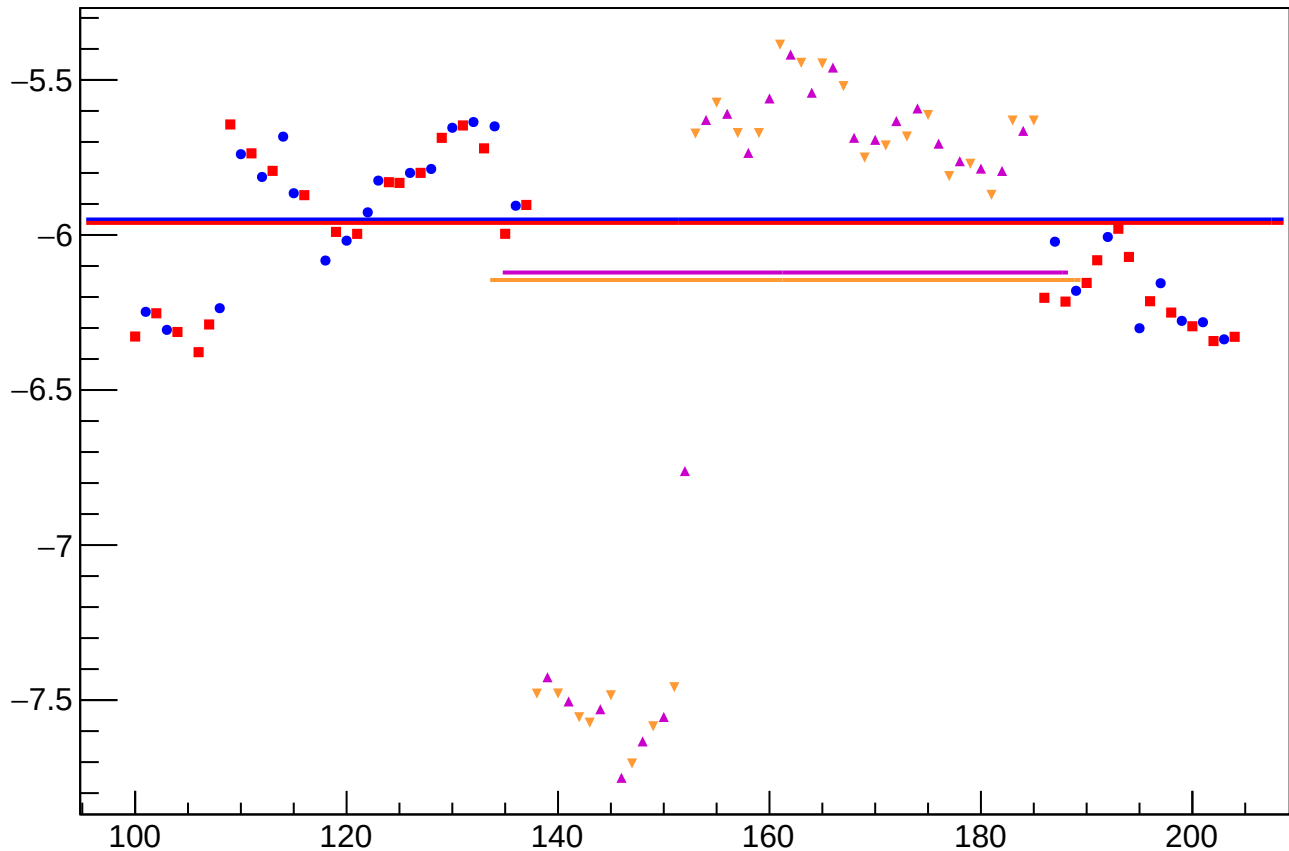
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:330859.7/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 2083599.8/49

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 4519055.3/102

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 2434506.4/52

yield_bpm0l01Y_mean vs Slug



Right In: -5.950+/-0.000 χ^2/NDF : 13908367902.6/24

Left Out: -6.145+/-0.000 χ^2/NDF : 185364150237.7/24

Right Out: -5.961+/-0.000 χ^2/NDF : 15798080831.6/29

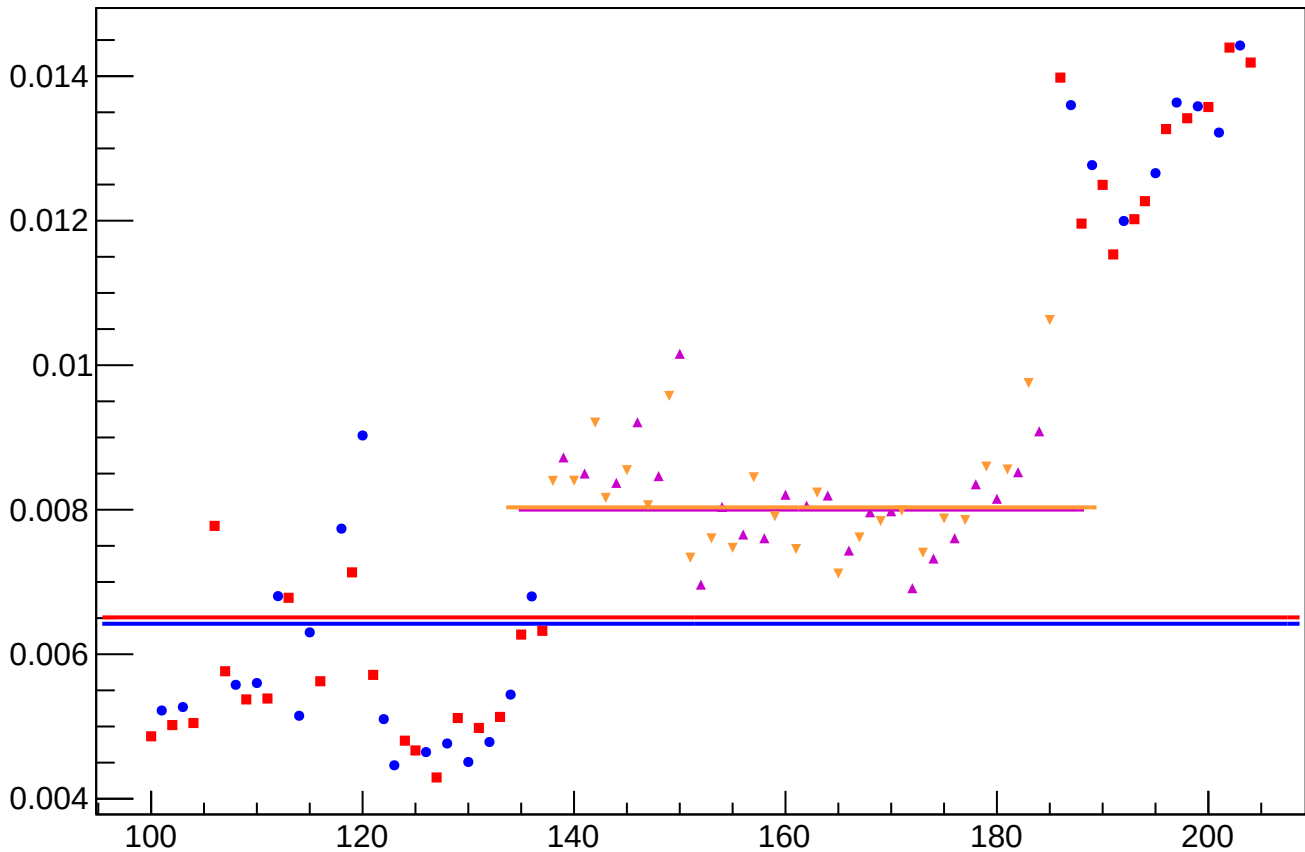
Left In: -6.121+/-0.000 χ^2/NDF : 158315913062.3/22

+ sign -6.052+/-0.000 χ^2/NDF : 203921504282.6/49

All: -6.045+/-0.000 χ^2/NDF : 381347827911.1

- sign -6.038+/-0.000 χ^2/NDF : 177376898795.9/52

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 3584954.0/24

Left Out: 0.008+/-0.000 χ^2/NDF :205762.2/24

Right Out: 0.007+/-0.000 χ^2/NDF : 4255533.3/29

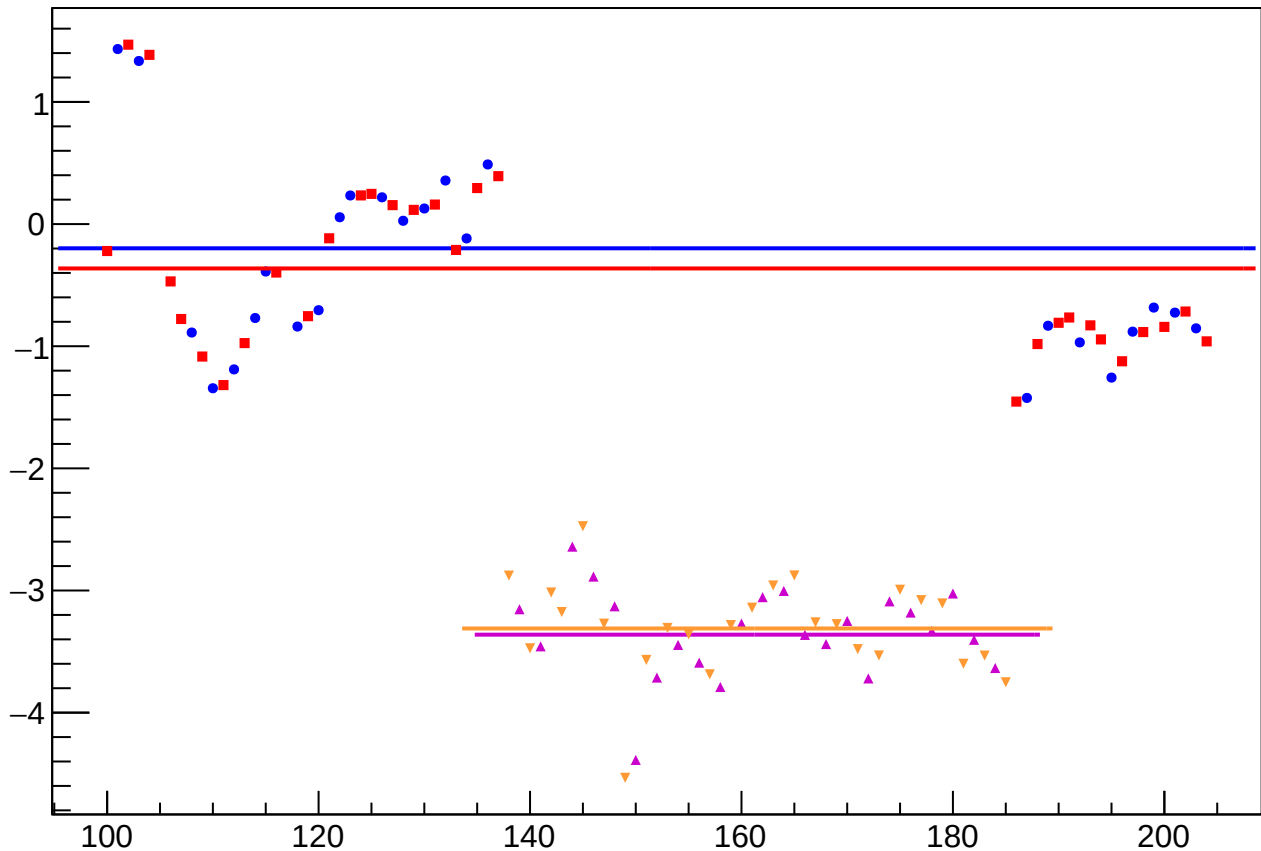
Left In: 0.008+/-0.000 χ^2/NDF :220756.1/22

+ sign 0.007+/-0.000 χ^2/NDF : 4424820.5/49

All: 0.007+/-0.000 χ^2/NDF : 9468600.1/102

- sign 0.007+/-0.000 χ^2/NDF : 5043126.8/52

yield_bpm0l02X_mean vs Slug



Right In: -0.198+/-0.000 χ^2/NDF : 29388553996.8/24

Left Out: -3.311+/-0.000 χ^2/NDF : 9354397456.2/24

Right Out: -0.363+/-0.000 χ^2/NDF : 31953343811.0/29

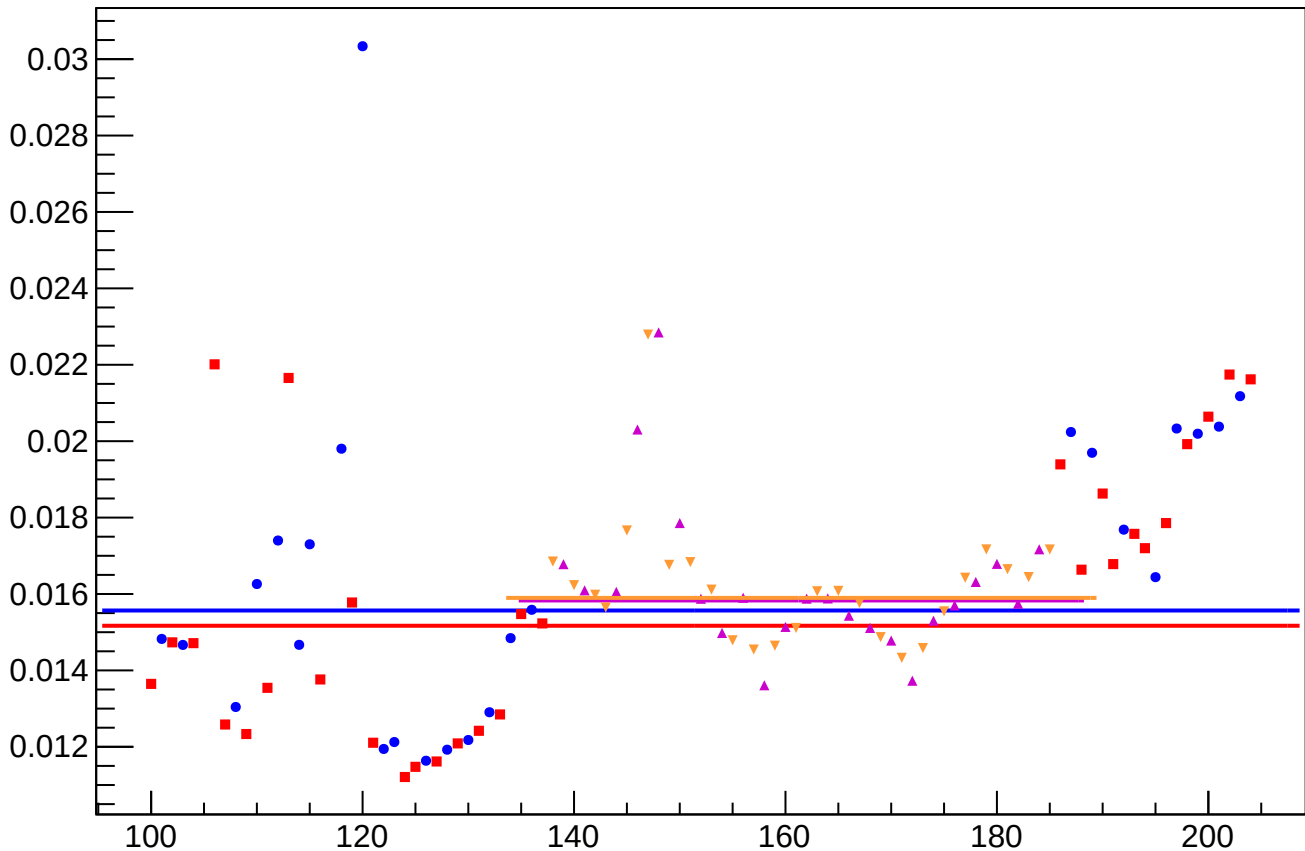
Left In: -3.362+/-0.000 χ^2/NDF : 8171803777.4/22

+ sign -2.088+/-0.000 χ^2/NDF : 305028878750.3/49

All: -2.035+/-0.000 χ^2/NDF : 619332628778.0

- sign -1.985+/-0.000 χ^2/NDF : 313676117473.4/52

yield_bpm0l02X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 1017799.1/24

Left Out: 0.016+/-0.000 χ^2/NDF :251912.7/24

Right Out: 0.015+/-0.000 χ^2/NDF : 1128941.4/29

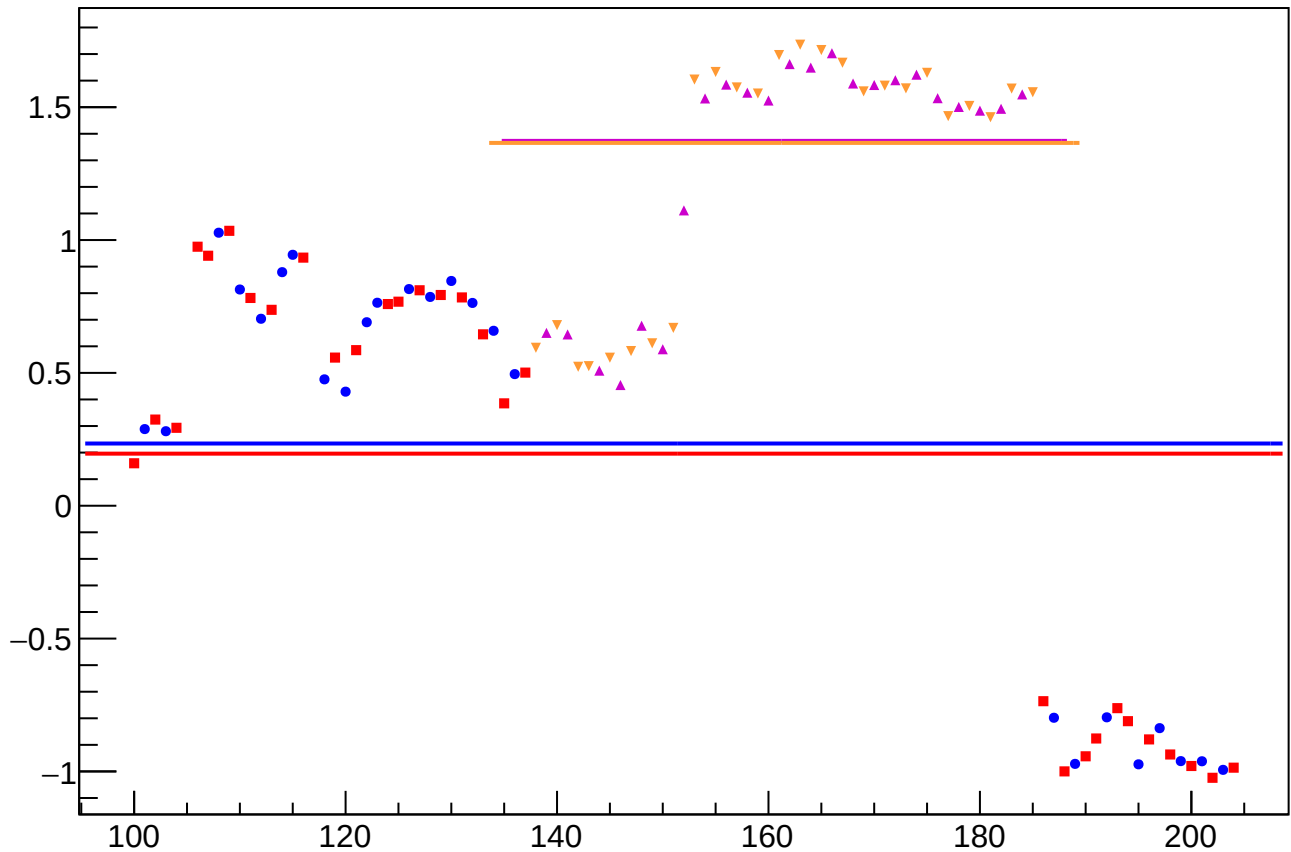
Left In: 0.016+/-0.000 χ^2/NDF :339542.1/22

+ sign 0.016+/-0.000 χ^2/NDF : 1275716.1/49

All: 0.016+/-0.000 χ^2/NDF : 2777814.4/102

- sign 0.016+/-0.000 χ^2/NDF : 1495154.1/52

yield_bpm0l02Y_mean vs Slug



Right In: 0.234 $\pm$ 0.000 χ^2 /NDF: 61482751961.8/24

Left Out: 1.366 $\pm$ 0.000 χ^2 /NDF: 74741956067.9/24

Right Out: 0.196 $\pm$ 0.000 χ^2 /NDF: 78247320954.3/29

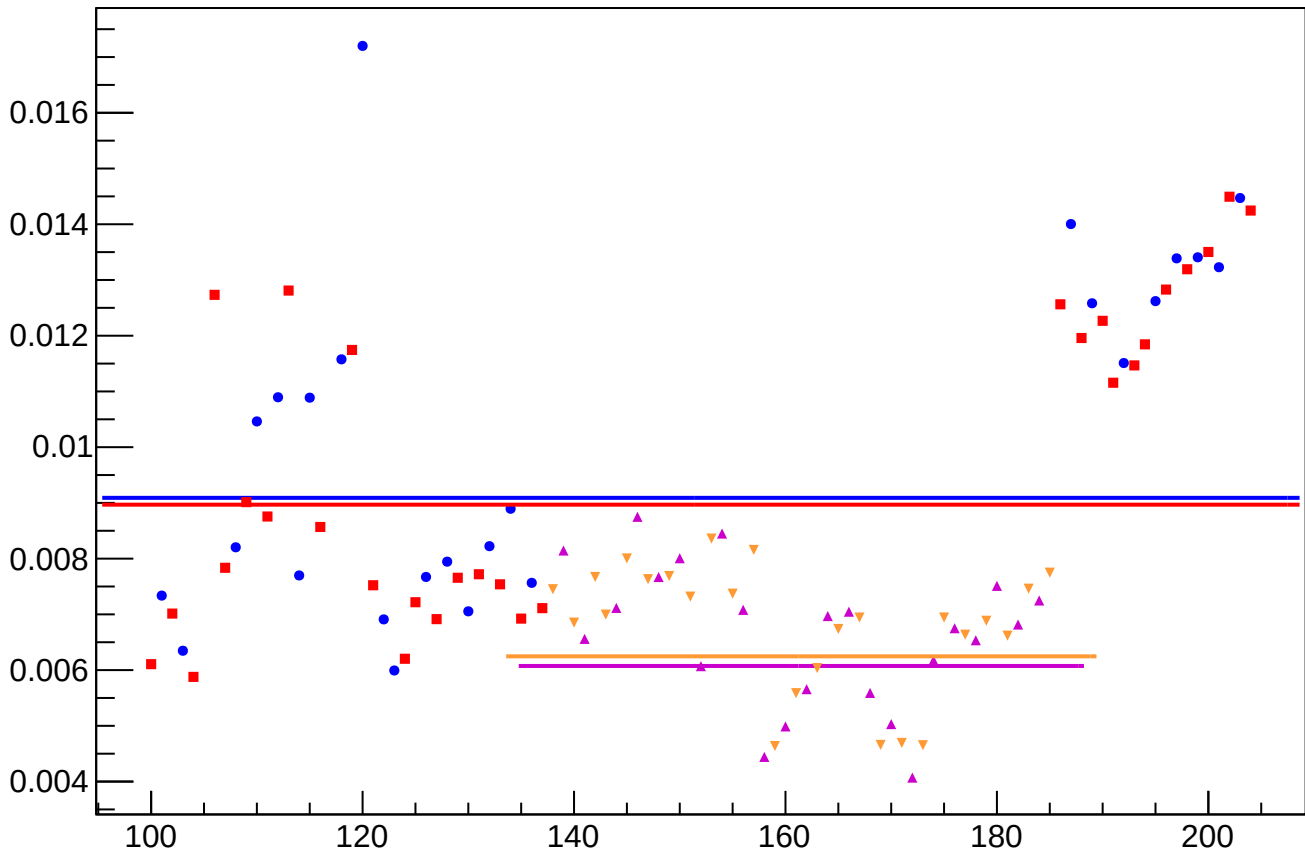
Left In: 1.373 $\pm$ 0.000 χ^2 /NDF: 63413151416.3/22

+ sign 1.106 $\pm$ 0.000 χ^2 /NDF: 261225245377.8/49

All: 1.085 $\pm$ 0.000 χ^2 /NDF: 558177061662.6

- sign 1.065 $\pm$ 0.000 χ^2 /NDF: 296481899050.7/52

yield_bpm0l02Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 1762419.4/24

Left Out: 0.006+/-0.000 χ^2/NDF :1330867.5/24

Right Out: 0.009+/-0.000 χ^2/NDF : 2088612.0/29

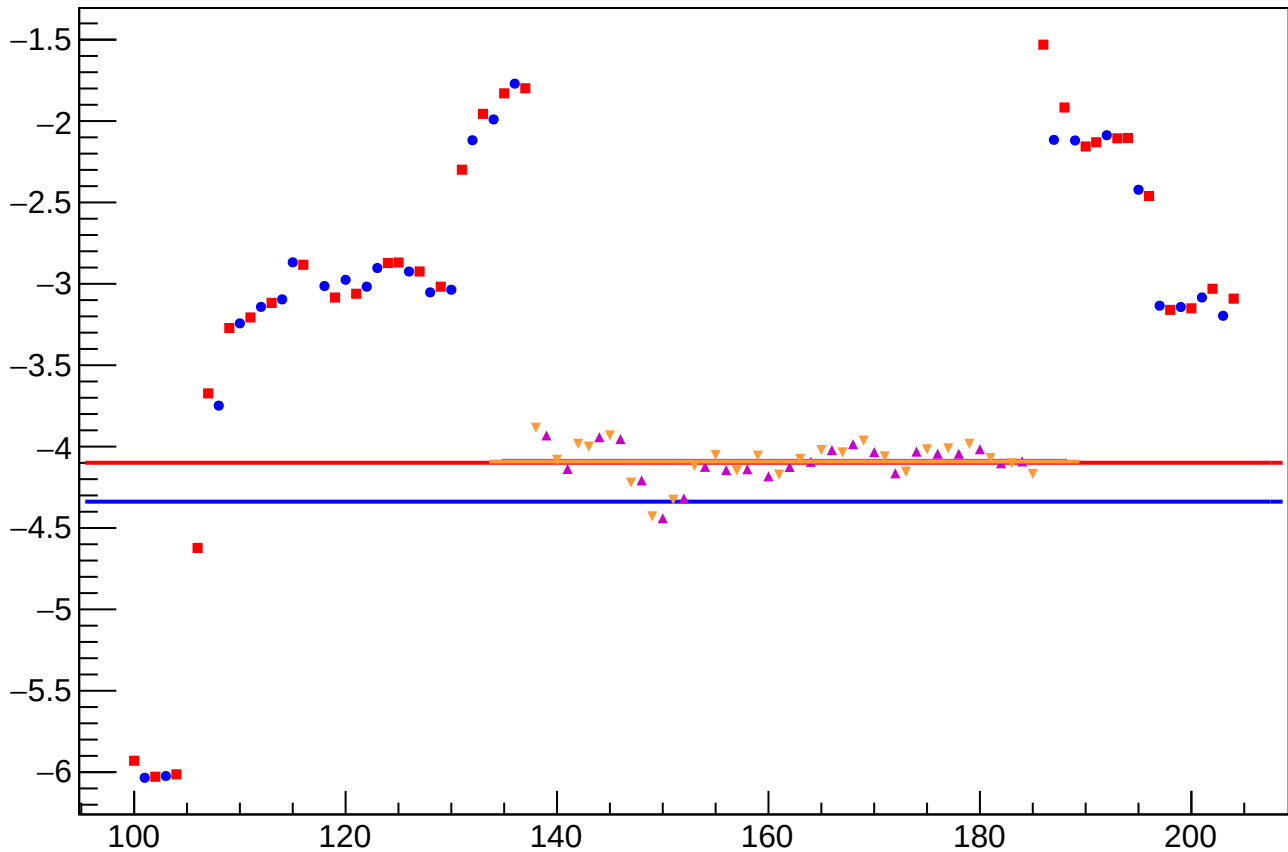
Left In: 0.006+/-0.000 χ^2/NDF :1431986.5/22

+ sign 0.007+/-0.000 χ^2/NDF : 4672874.6/49

All: 0.007+/-0.000 χ^2/NDF : 10067709.1/102

- sign 0.007+/-0.000 χ^2/NDF : 5392197.9/52

yield_bpm0l03X_mean vs Slug



Right In: -4.338 ± 0.000 $\chi^2/\text{NDF}: 262056579767.5/24$

Left Out: -4.092 ± 0.000 $\chi^2/\text{NDF}: 39806766.7/24$

Right Out: -4.099 ± 0.000 $\chi^2/\text{NDF}: 268079286168.4/29$

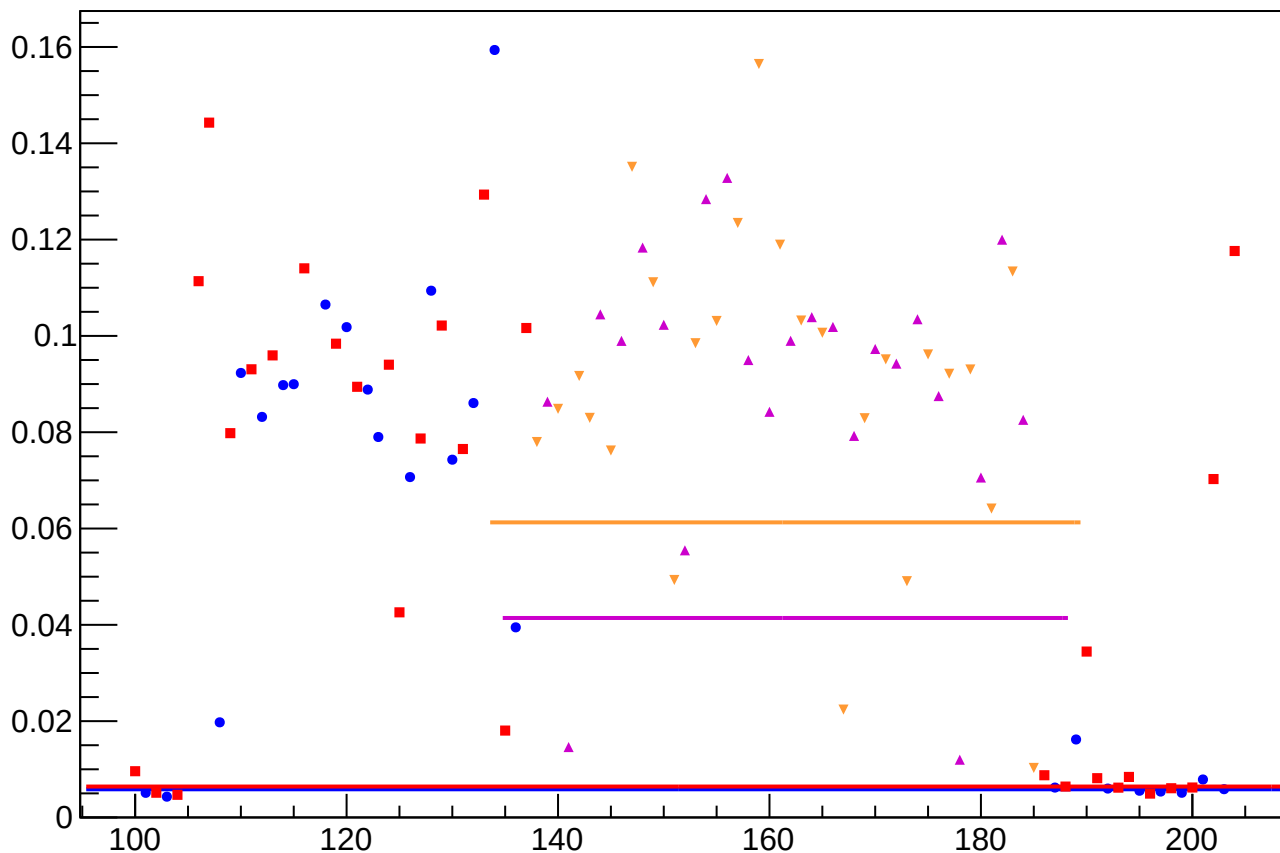
Left In: -4.088 ± 0.000 $\chi^2/\text{NDF}: 34412880.7/22$

+ sign -4.331 ± 0.000 $\chi^2/\text{NDF}: 262270357431.4/49$

All: -4.226 ± 0.000 $\chi^2/\text{NDF}: 532830247876.7$

- sign -4.099 ± 0.000 $\chi^2/\text{NDF}: 268114226409.8/52$

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 8039702.9/24

Left Out: 0.061 $\pm$ 0.000 χ^2 /NDF:8355266.0/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 10093294.5/29

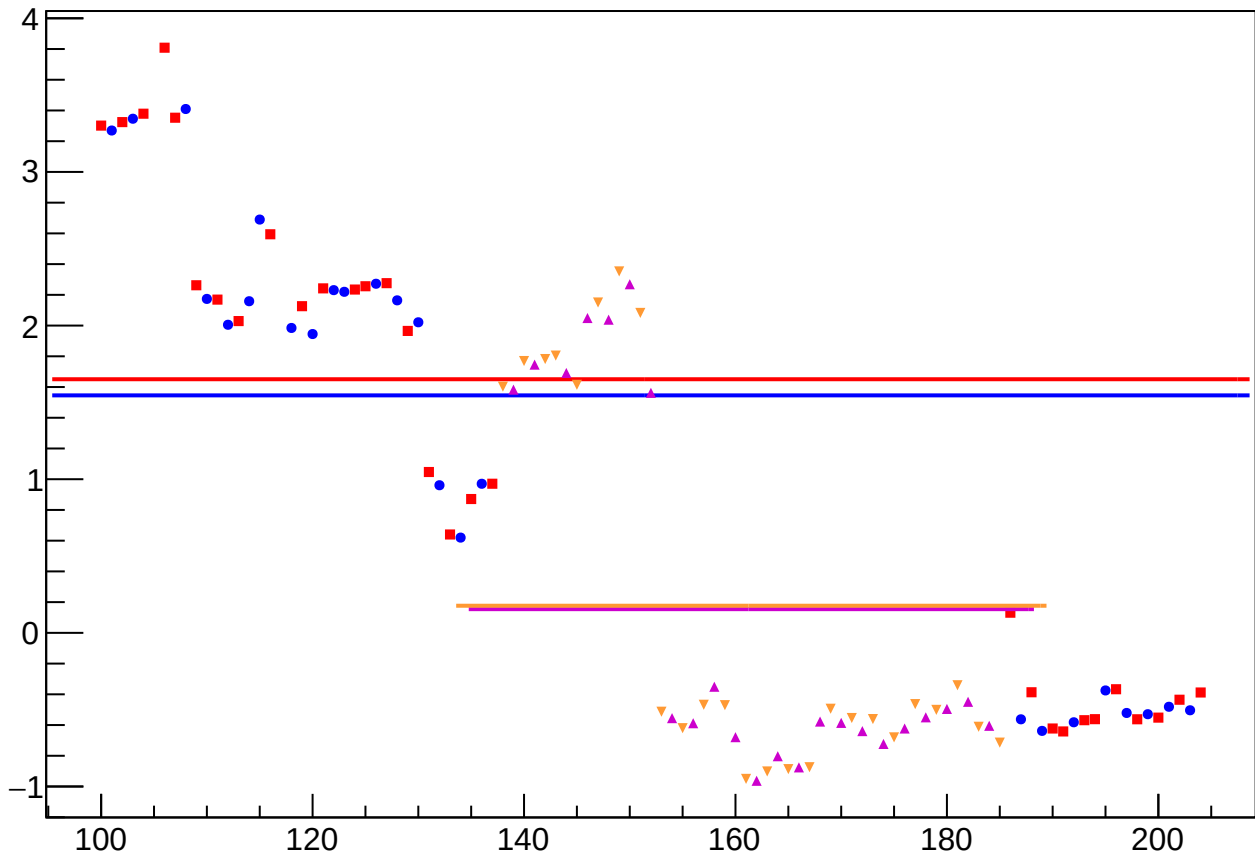
Left In: 0.041 $\pm$ 0.000 χ^2 /NDF:13124468.7/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 34004751.1/49

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 67183919.9/102

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 33128386.3/52

yield_bpm0l03Y_mean vs Slug



Right In: 1.546 $\pm$ 0.000 χ^2 /NDF: 188644191324.5/24

Left Out: 0.177 $\pm$ 0.000 χ^2 /NDF: 3275313367.7/24

Right Out: 1.651 $\pm$ 0.000 χ^2 /NDF: 166207181304.5/29

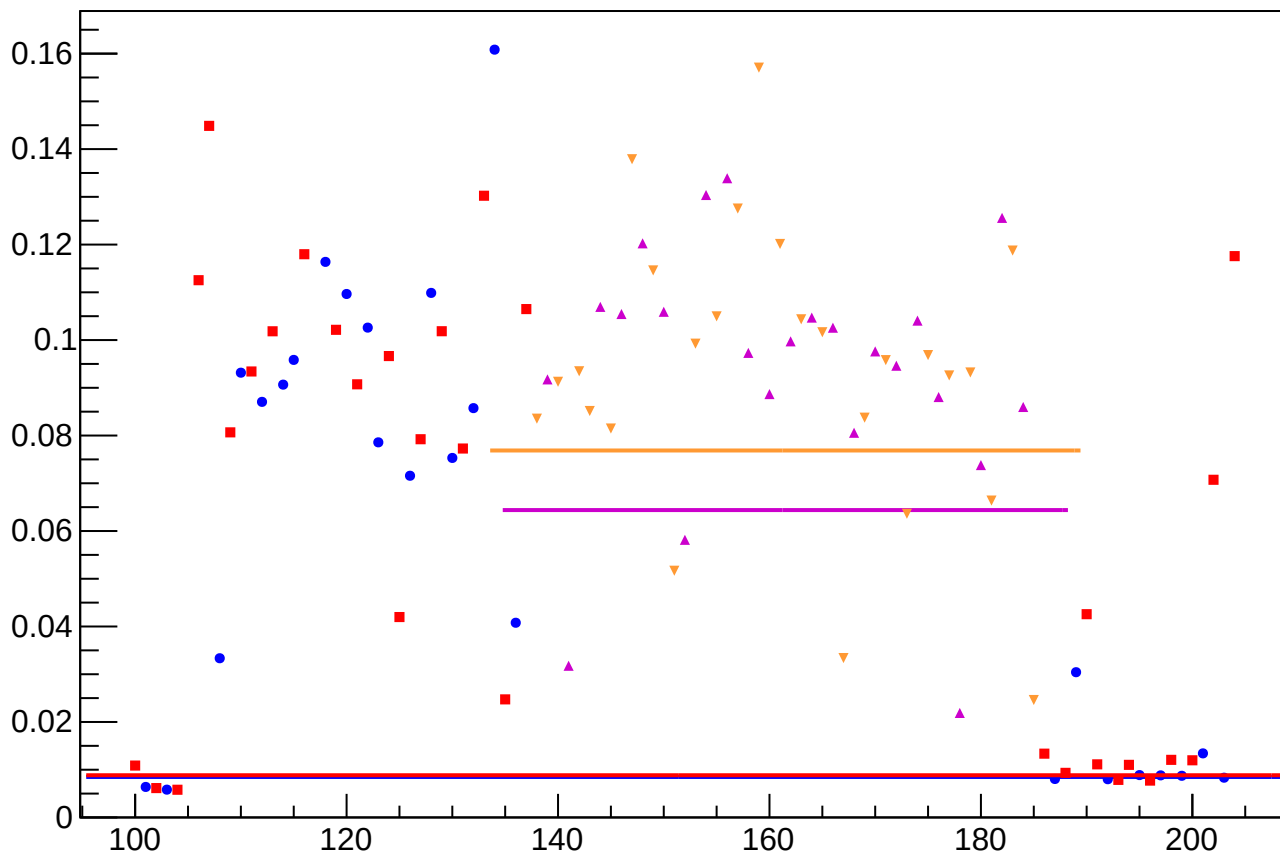
Left In: 0.154 $\pm$ 0.000 χ^2 /NDF: 3163553595.0/22

+ sign 1.489 $\pm$ 0.000 χ^2 /NDF: 195994268770.9/49

All: 1.529 $\pm$ 0.000 χ^2 /NDF: 371024336140.1

- sign 1.573 $\pm$ 0.000 χ^2 /NDF: 174846911828.6/52

yield_bpm0l03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7991084.3/24

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF: 4217954.3/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 9936287.5/29

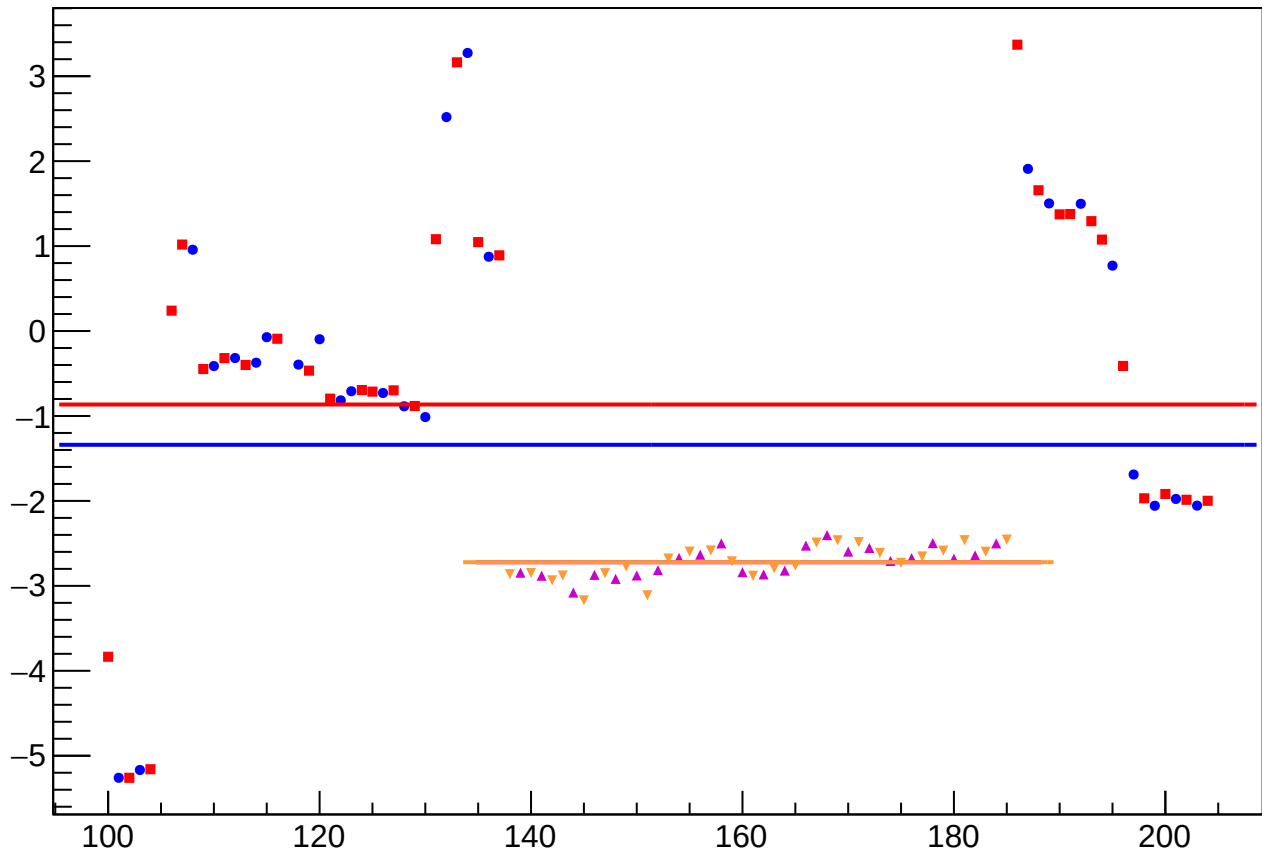
Left In: 0.064 $\pm$ 0.000 χ^2 /NDF: 6990231.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 32538951.4/49

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 64565119.5/102

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 32016809.9/52

yield_bpm0l04X_mean vs Slug



Right In: -1.339+/-0.000 χ^2/NDF : 204208733505.2/24

Left Out: -2.721+/-0.000 χ^2/NDF : 10397156971.6/24

Right Out: -0.865+/-0.000 χ^2/NDF : 233420059320.1/29

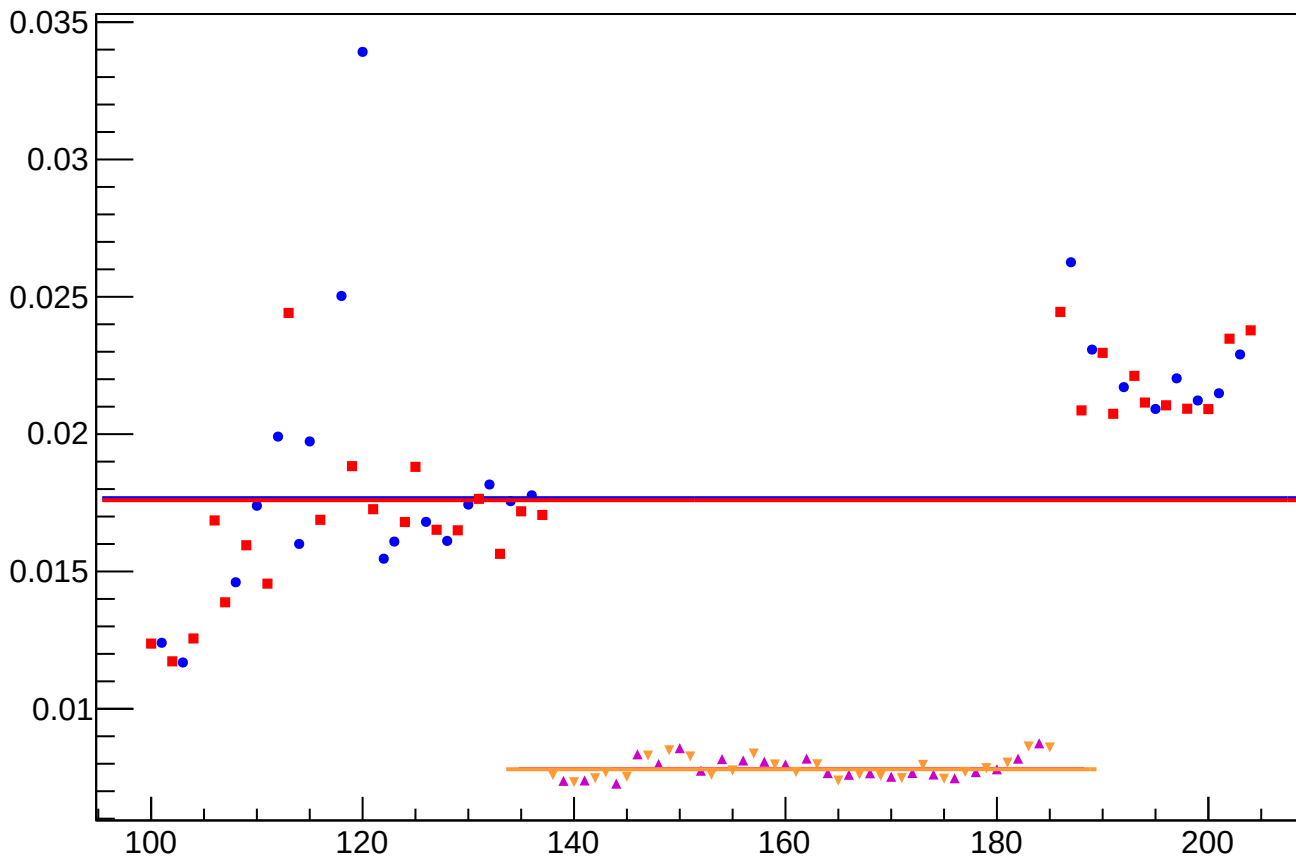
Left In: -2.722+/-0.000 χ^2/NDF : 8146484592.1/22

+ sign -2.576+/-0.000 χ^2/NDF : 272886372997.3/49

All: -2.529+/-0.000 χ^2/NDF : 638737462762.6

- sign -2.480+/-0.000 χ^2/NDF : 364378262747.5/52

yield_bpm0l04X_rms vs Slug



Right In: 0.018 $\pm$ 0.000 χ^2 /NDF: 1176658.6/24

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 71164.4/24

Right Out: 0.018 $\pm$ 0.000 χ^2 /NDF: 1145397.5/29

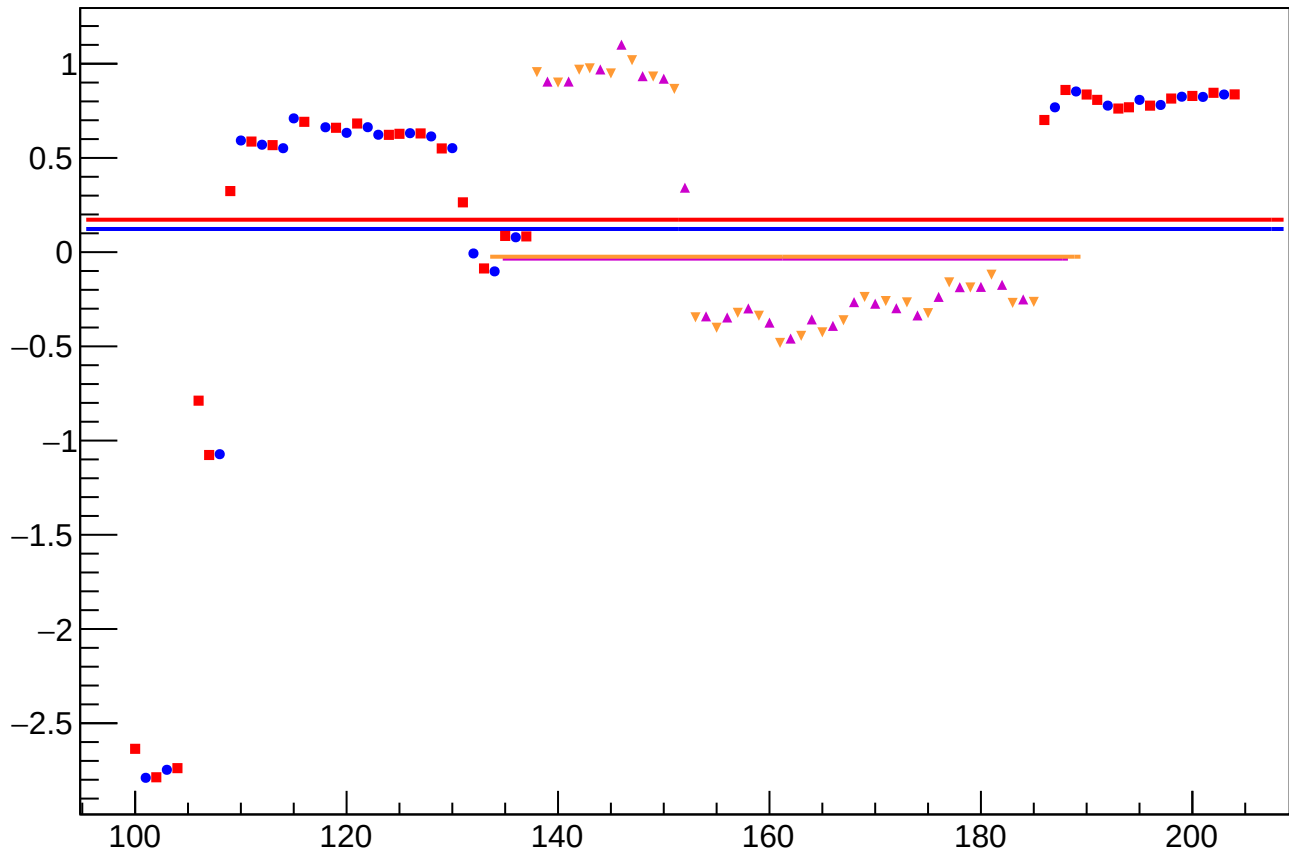
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 67610.2/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 7192417.4/49

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 15245385.1/102

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 8033237.6/52

yield_bpm0l04Y_mean vs Slug



Right In: 0.123+/-0.000 χ^2/NDF : 842510850868.7/24

Left Out: -0.024+/-0.000 χ^2/NDF : 135451649275.0/24

Right Out: 0.172+/-0.000 χ^2/NDF : 916778456351.0/29

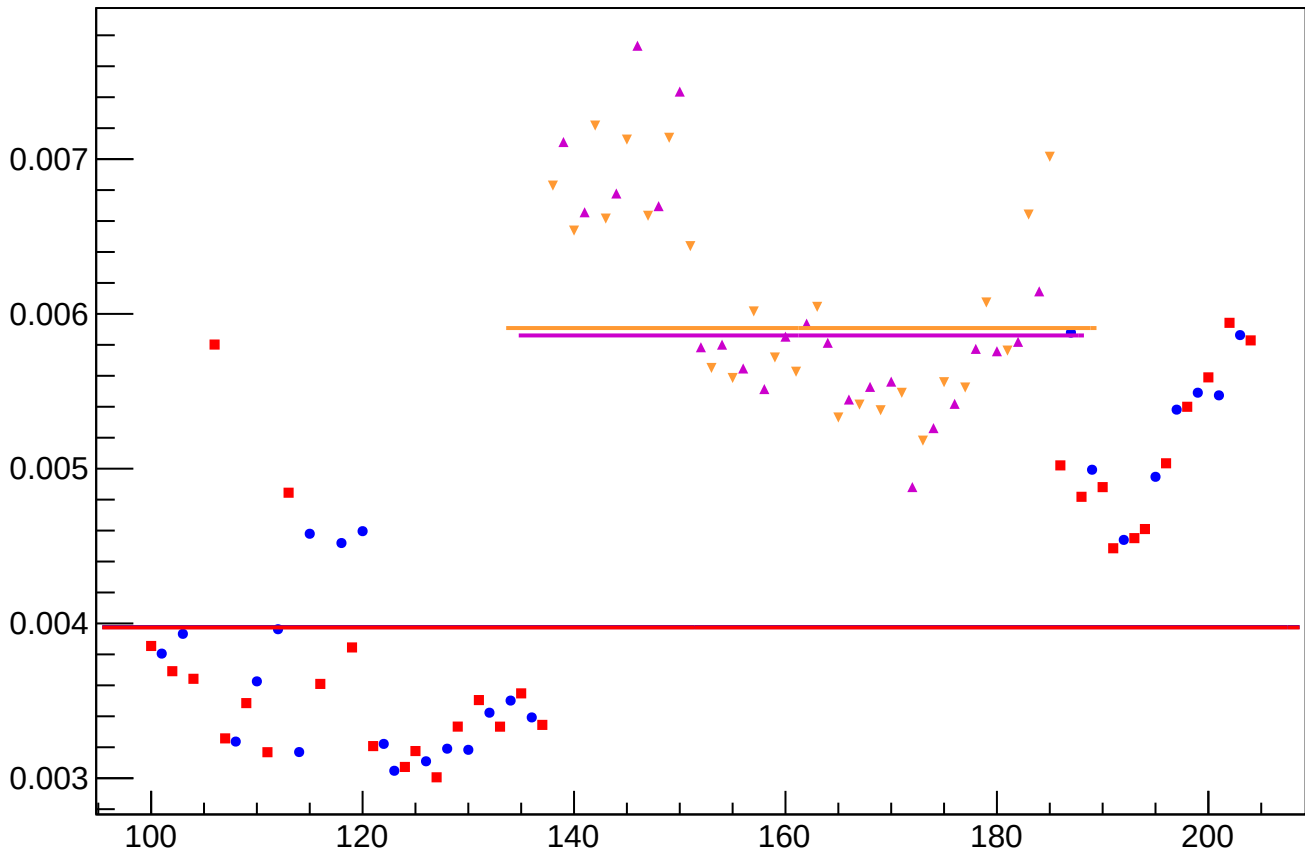
Left In: -0.034+/-0.000 χ^2/NDF : 113929060918.1/22

+ sign 0.063+/-0.000 χ^2/NDF : 984168104435.2/49

All: 0.081+/-0.000 χ^2/NDF : 2028288439960.

- sign 0.098+/-0.000 χ^2/NDF : 1043391352702.2/52

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 1045914.9/24

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:314309.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1231625.8/29

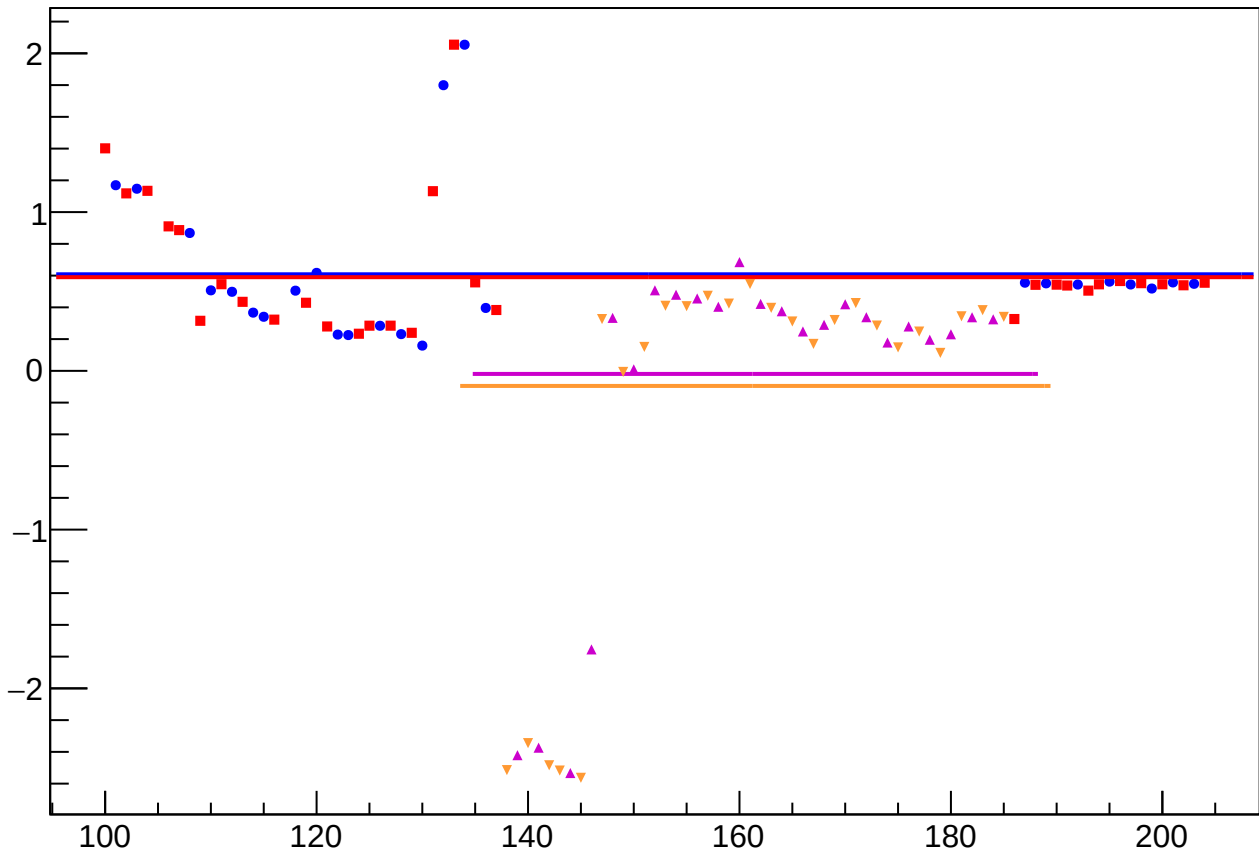
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:364512.1/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3502783.1/49

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 7229509.7/102

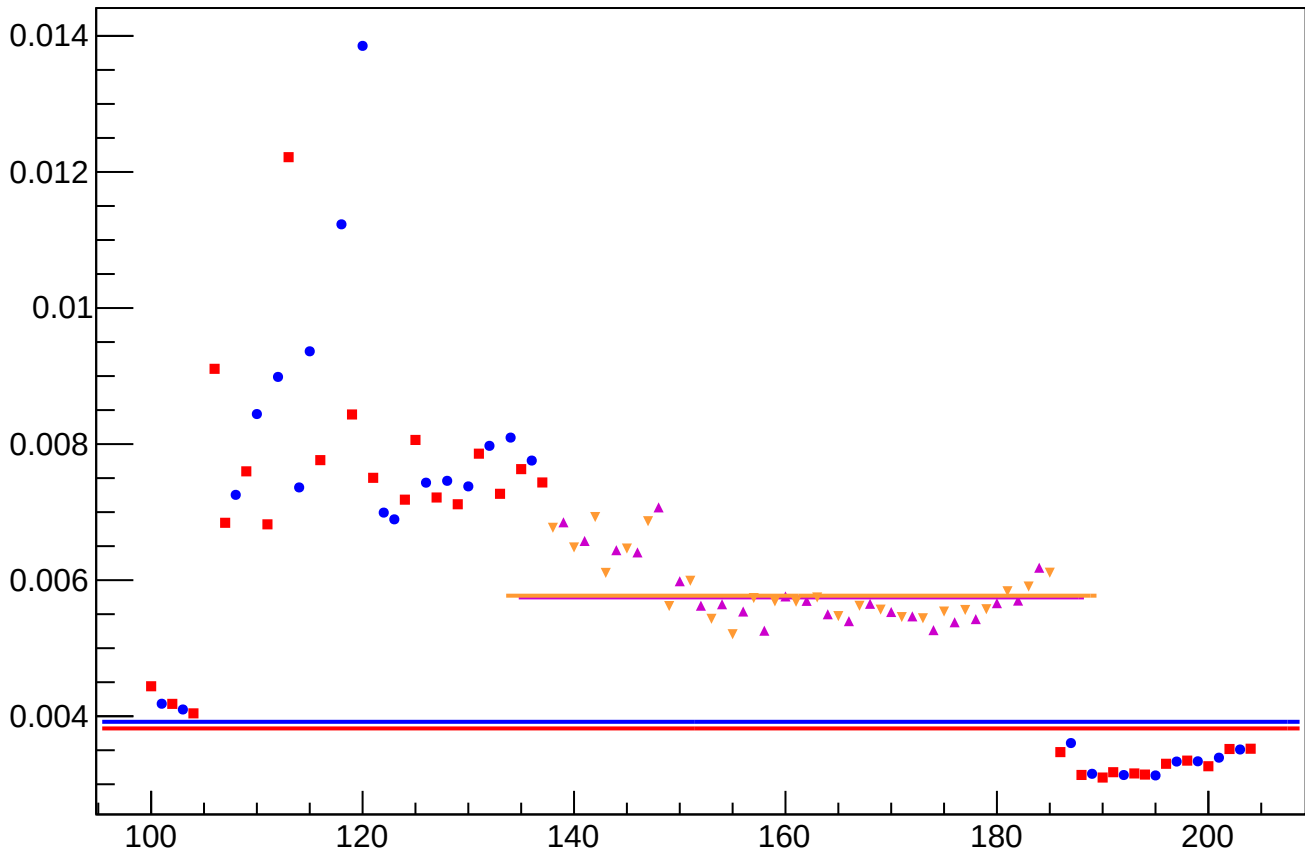
- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3713234.2/52

yield_bpm0l05X_mean vs Slug



Right In: 0.608+/-0.000 χ^2/NDF : 40440577175.4/24
 Left Out: -0.095+/-0.000 χ^2/NDF : 505606573631.9/24
 Right Out: 0.590+/-0.000 χ^2/NDF : 45803805629.9/29
 Left In: -0.019+/-0.000 χ^2/NDF : 417104863944.5/22
 All: 0.327+/-0.000 χ^2/NDF : 1265370585045.0
 + sign 0.293+/-0.000 χ^2/NDF : 686598786870.6/49
 - sign 0.358+/-0.000 χ^2/NDF : 576230333378.6/52

yield_bpm0l05X_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 3057832.5/24

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:177680.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 3129545.7/29

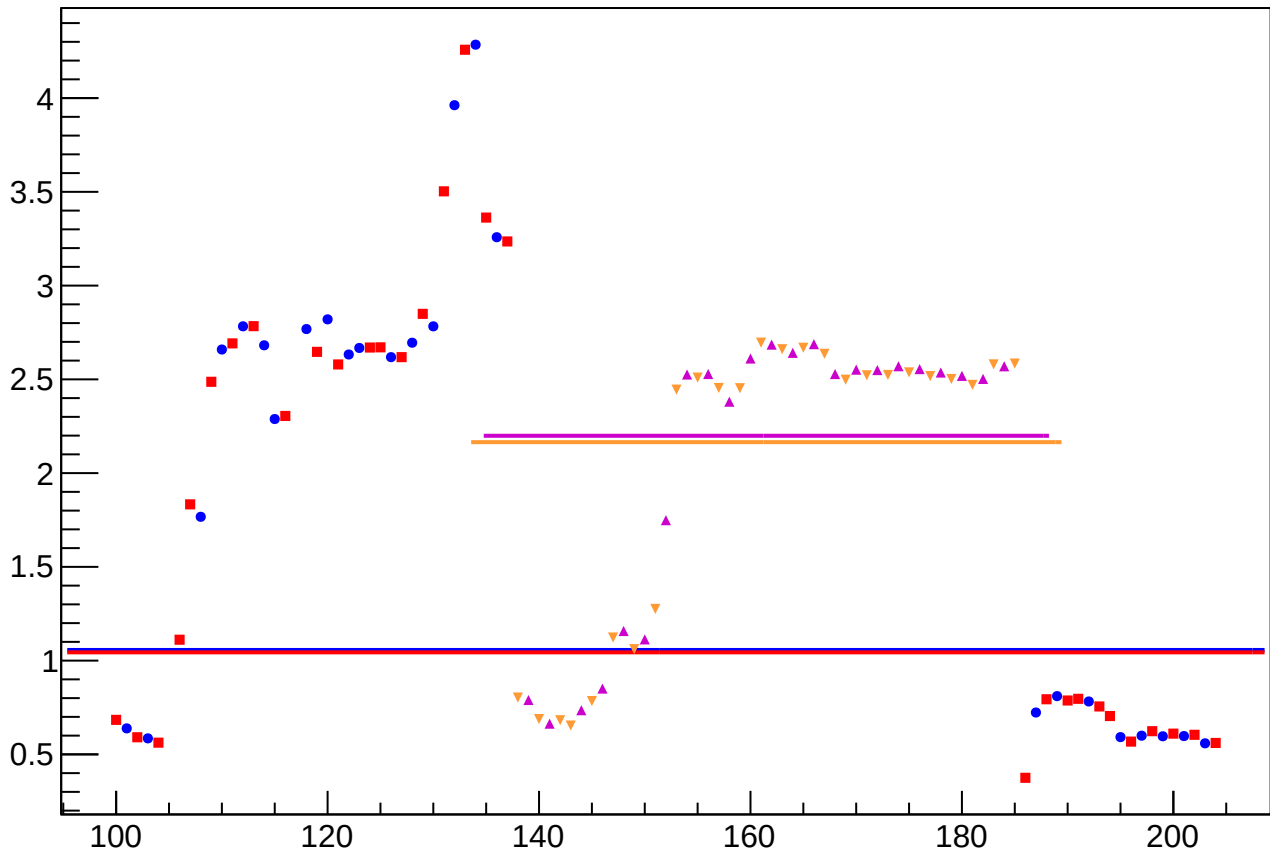
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:204066.4/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 5189352.1/49

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 10832870.8/102

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 5597671.8/52

yield_bpm0l05Y_mean vs Slug



Right In: 1.057 $\pm$ 0.000 χ^2 /NDF: 281426076498.4/24

Left Out: 2.165 $\pm$ 0.000 χ^2 /NDF: 292800056899.6/24

Right Out: 1.044 $\pm$ 0.000 χ^2 /NDF: 333900533721.5/29

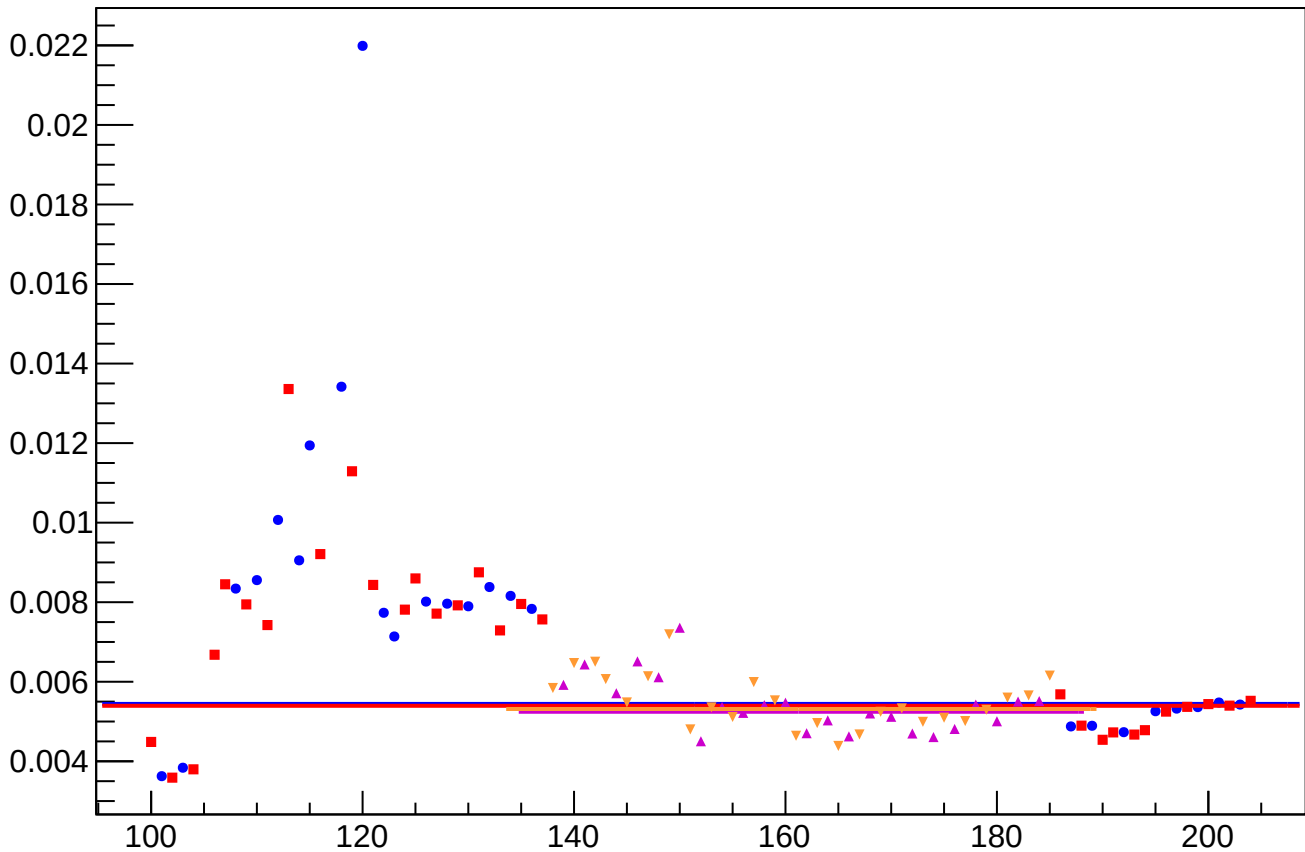
Left In: 2.199 $\pm$ 0.000 χ^2 /NDF: 253166239065.4/22

+ sign 1.758 $\pm$ 0.000 χ^2 /NDF: 838965308142.4/49

All: 1.735 $\pm$ 0.000 χ^2 /NDF: 1748347695862.

- sign 1.713 $\pm$ 0.000 χ^2 /NDF: 908400694215.0/52

yield_bpm0l05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 2004781.7/24

Left Out: 0.005+/-0.000 χ^2/NDF :398795.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1876854.0/29

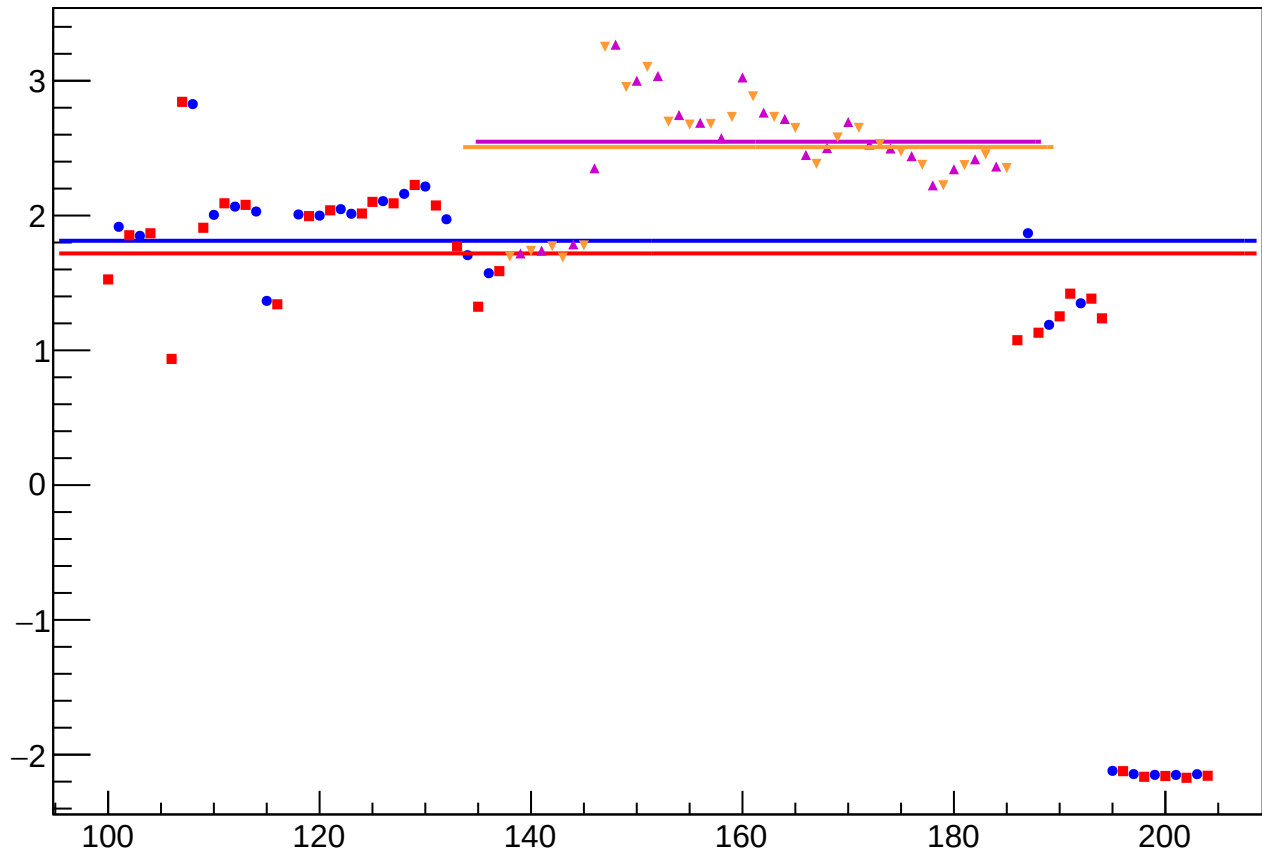
Left In: 0.005+/-0.000 χ^2/NDF :425864.8/22

+ sign 0.005+/-0.000 χ^2/NDF : 2410564.6/49

All: 0.005+/-0.000 χ^2/NDF : 4726848.5/102

- sign 0.005+/-0.000 χ^2/NDF : 2313569.8/52

yield_bpm0l06X_mean vs Slug



Right In: 1.813 $\pm$ 0.000 χ^2 /NDF: 101981122306.3/24

Left Out: 2.508 $\pm$ 0.000 χ^2 /NDF: 52355332406.0/24

Right Out: 1.719 $\pm$ 0.000 χ^2 /NDF: 106891460206.7/29

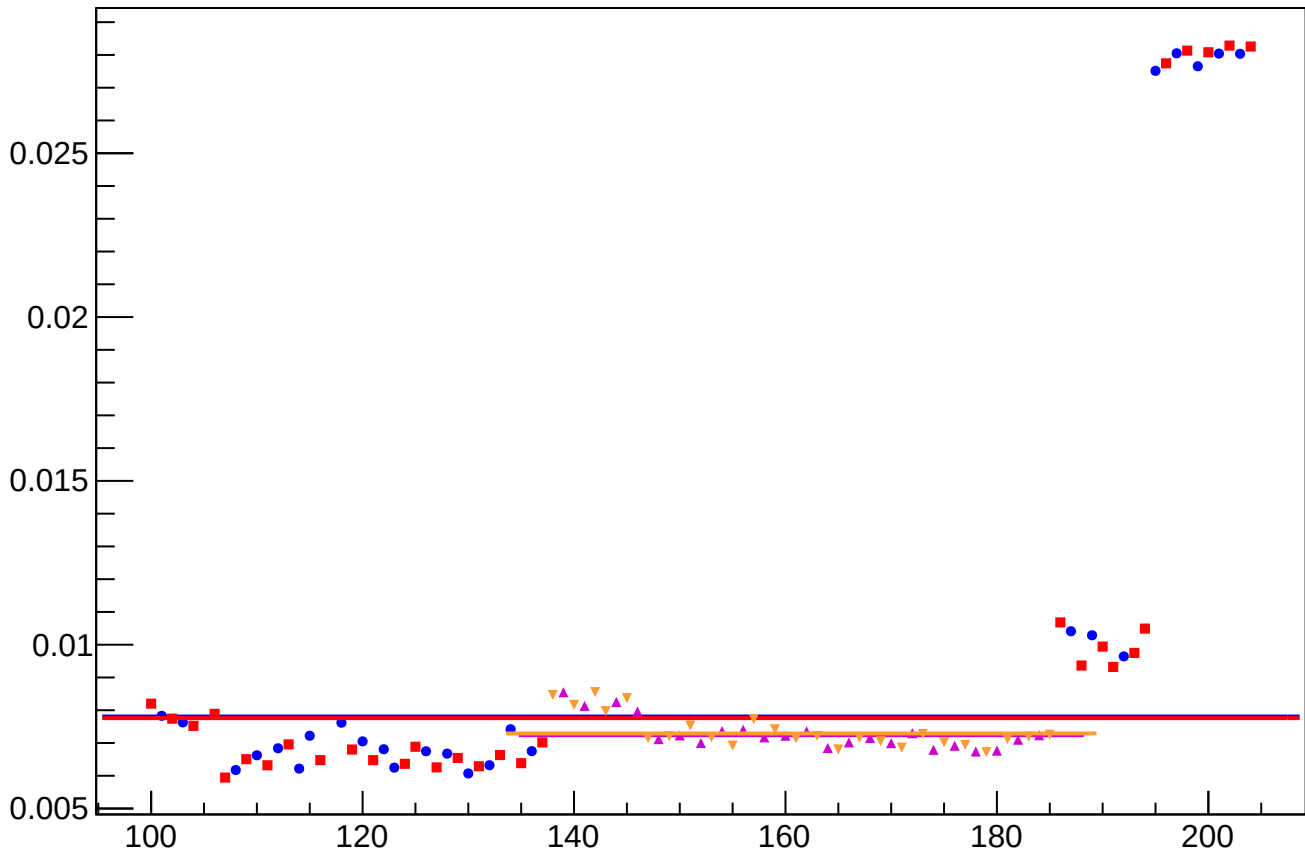
Left In: 2.548 $\pm$ 0.000 χ^2 /NDF: 45350336058.7/22

+ sign 2.283 $\pm$ 0.000 χ^2 /NDF: 205567250507.9/49

All: 2.260 $\pm$ 0.000 χ^2 /NDF: 439927992856.7

- sign 2.237 $\pm$ 0.000 χ^2 /NDF: 233831080293.3/52

yield_bpm0l06X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 4612039.2/24

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:140788.4/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 4585022.8/29

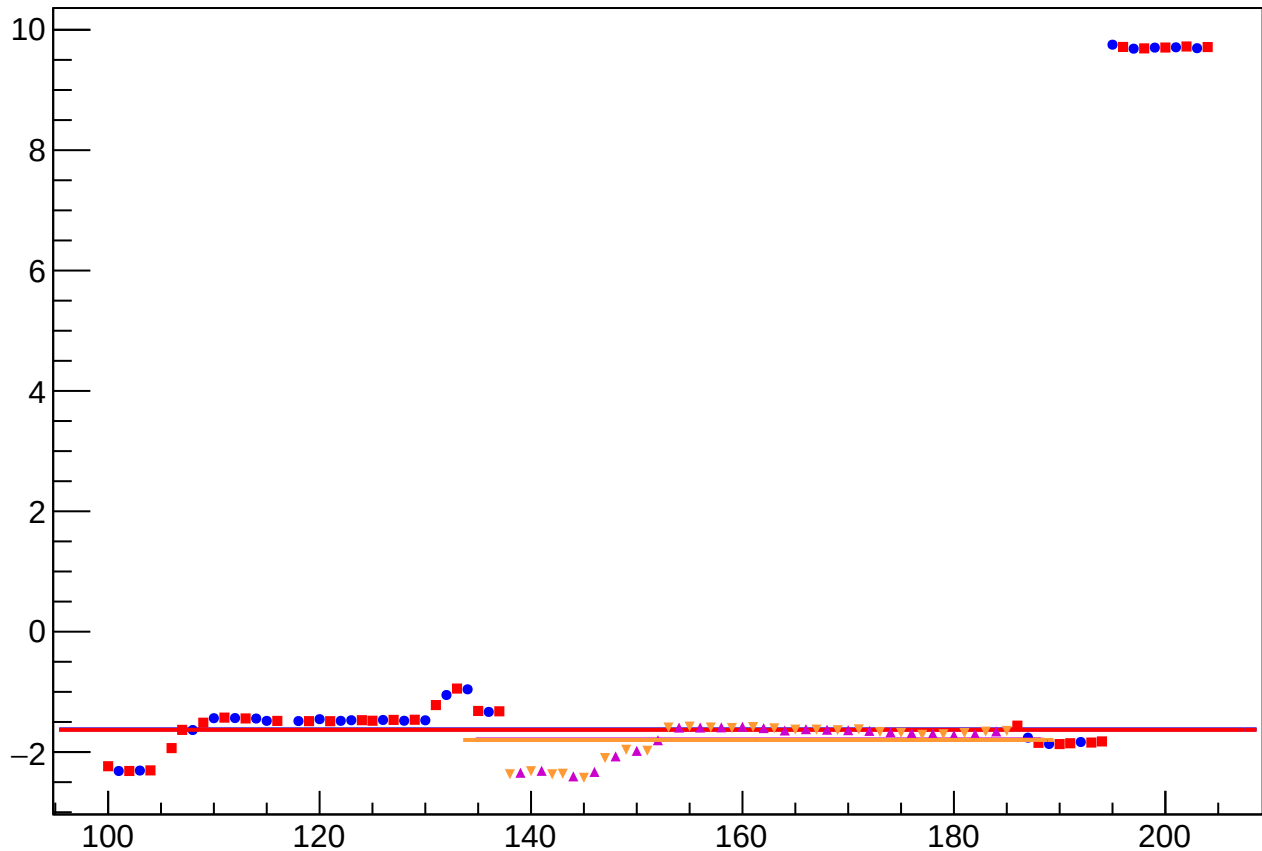
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:125233.2/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4809368.2/49

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 9584441.9/102

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4774766.2/52

yield_bpm0l06Y_mean vs Slug



Right In: -1.623+/-0.000 χ^2/NDF : 283336654743.5/24

Left Out: -1.799+/-0.000 χ^2/NDF : 185362087438.8/24

Right Out: -1.631+/-0.000 χ^2/NDF : 283560768370.5/29

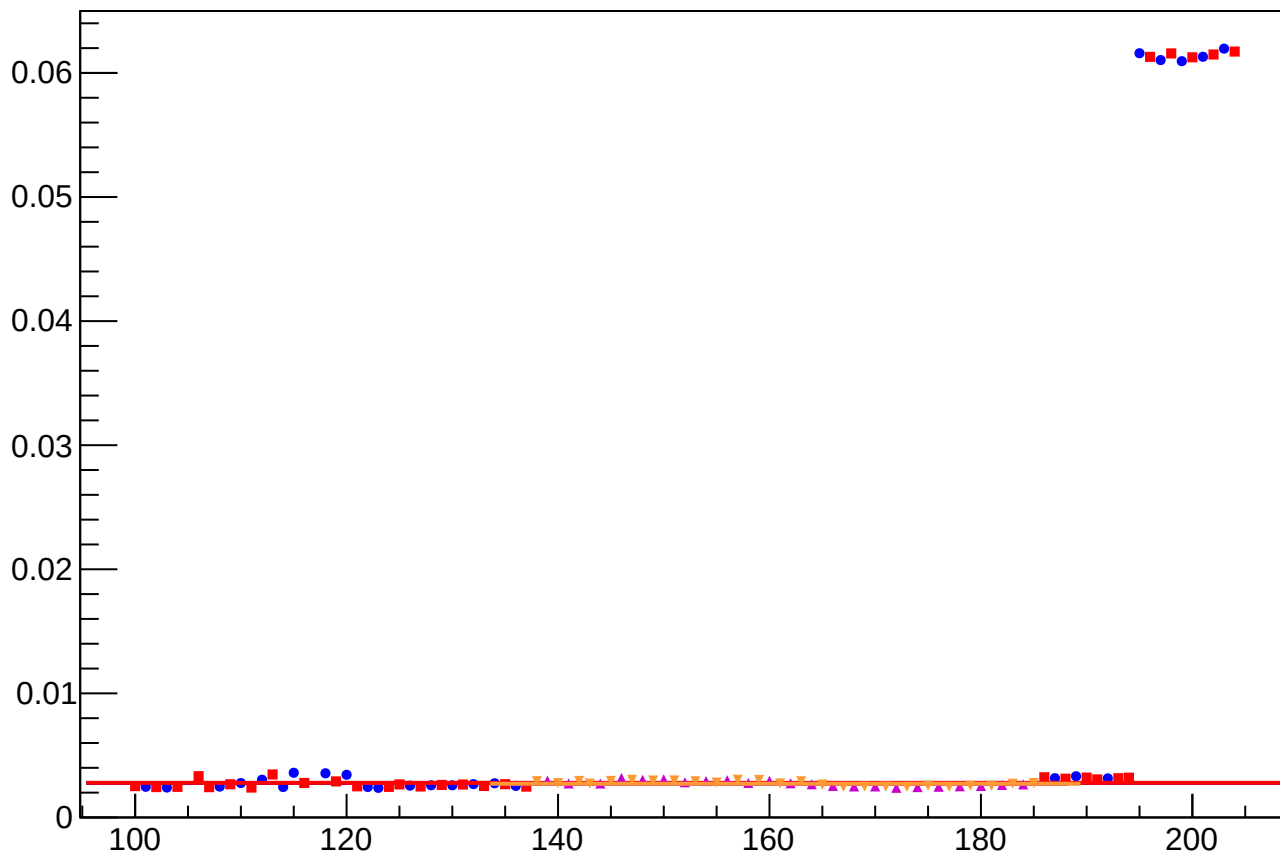
Left In: -1.790+/-0.000 χ^2/NDF : 159648935510.8/22

+ sign -1.745+/-0.000 χ^2/NDF : 491047778551.8/49

All: -1.739+/-0.000 χ^2/NDF : 955521076018.1

- sign -1.732+/-0.000 χ^2/NDF : 464186756867.2/52

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 7512679.0/24

Left Out: 0.003+/-0.000 χ^2/NDF : 199695.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 6940055.6/29

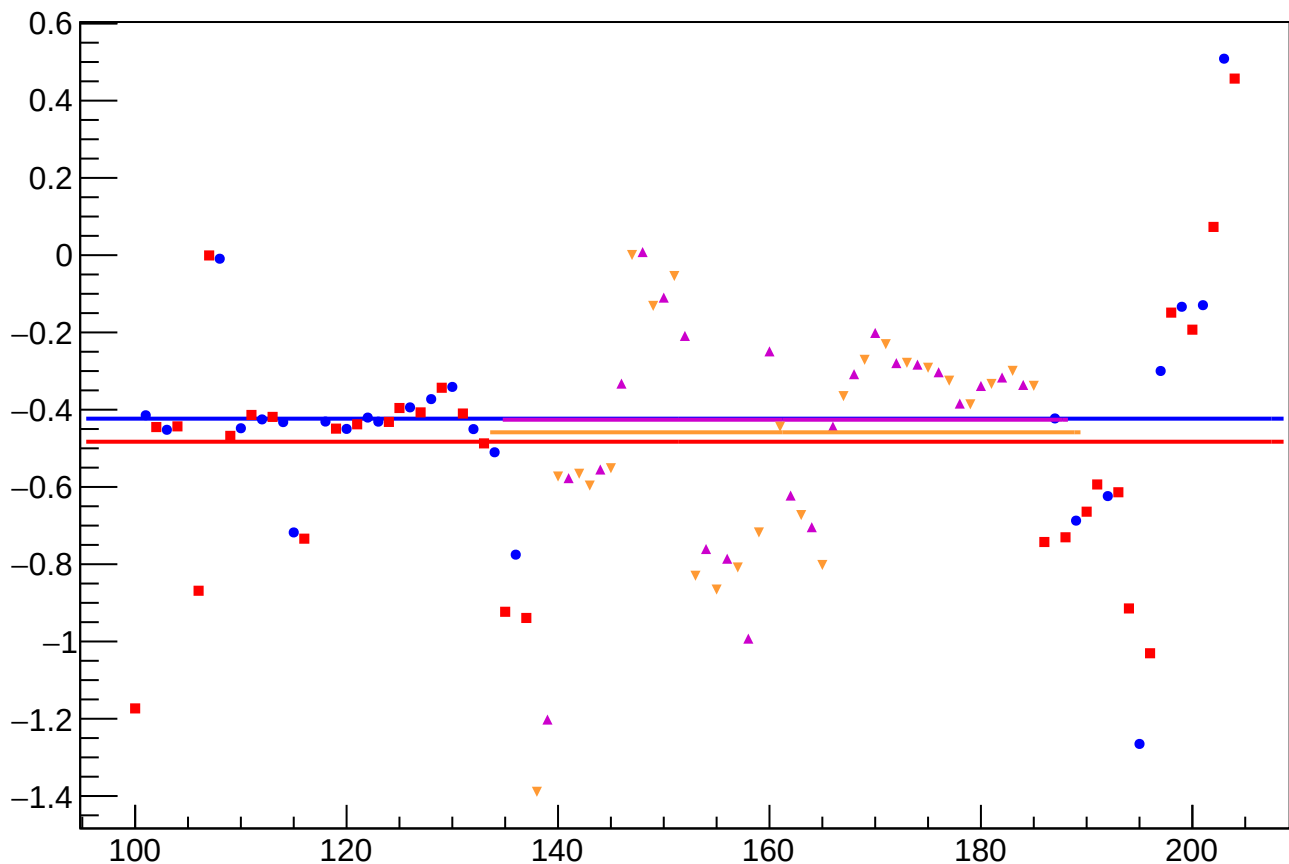
Left In: 0.003+/-0.000 χ^2/NDF : 220327.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 7717808.9/49

All: 0.003+/-0.000 χ^2/NDF : 14890827.5/102

- sign 0.003+/-0.000 χ^2/NDF : 7172951.7/52

yield_bpm0l07X_mean vs Slug



Right In: -0.423+/-0.000 χ^2/NDF : 6156565841.7/24

Left Out: -0.459+/-0.000 χ^2/NDF : 9916462814.9/24

Right Out: -0.483+/-0.000 χ^2/NDF : 7073881359.5/29

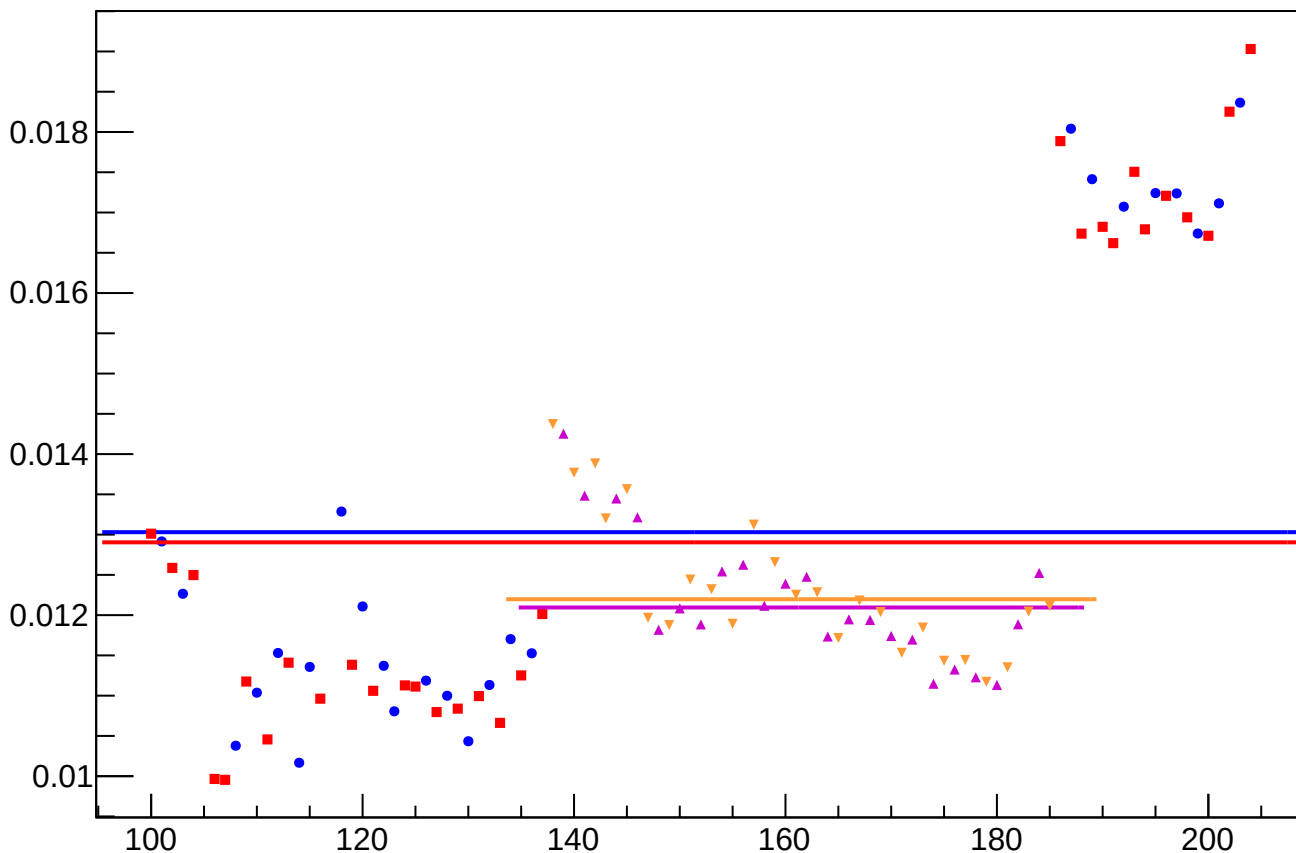
Left In: -0.426+/-0.000 χ^2/NDF : 8424222576.0/22

+ sign -0.446+/-0.000 χ^2/NDF : 16126403000.4/49

All: -0.448+/-0.000 χ^2/NDF : 31777353947.0/100

- sign -0.449+/-0.000 χ^2/NDF : 15649631211.4/52

yield_bpm0l07X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 971280.5/24

Left Out: 0.012+/-0.000 χ^2/NDF : 141850.9/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1318877.8/29

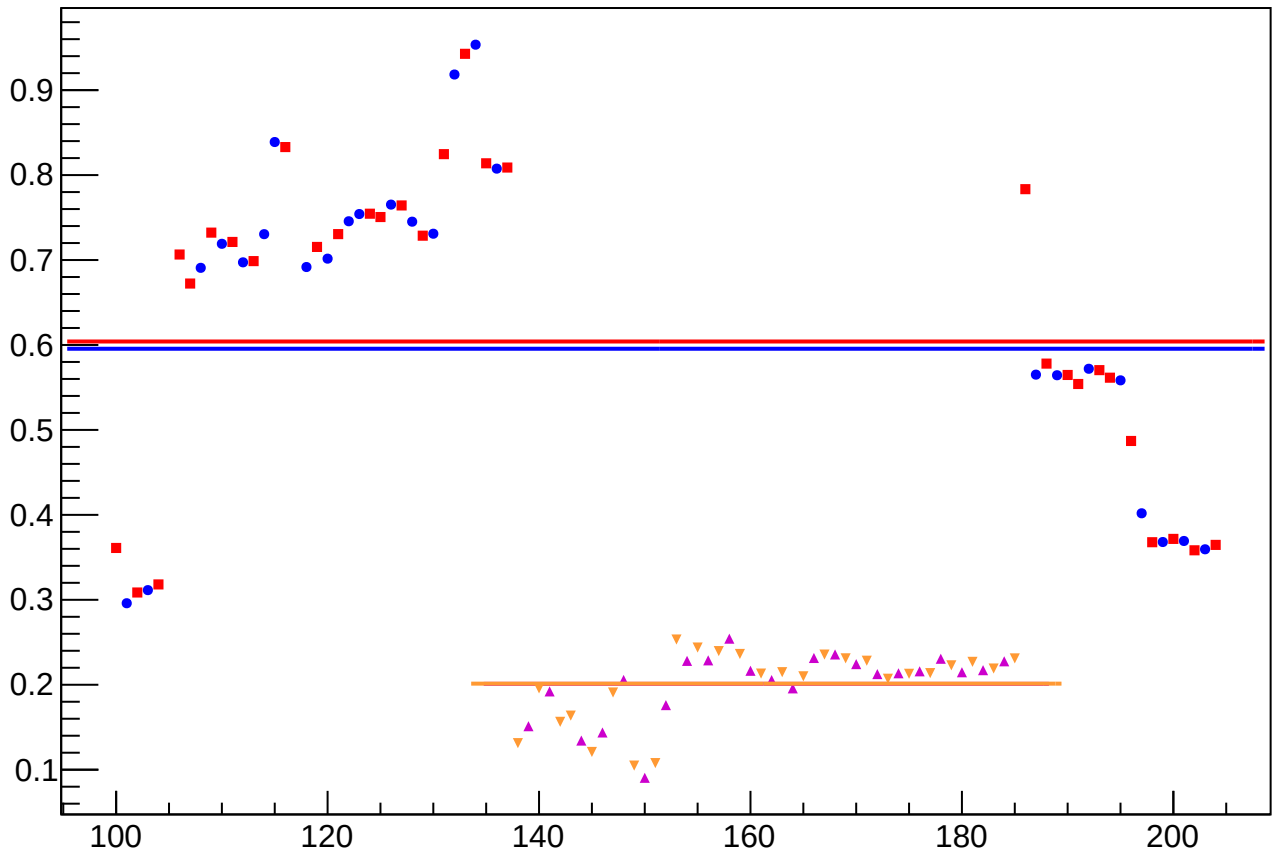
Left In: 0.012+/-0.000 χ^2/NDF : 127308.3/22

+ sign 0.012+/-0.000 χ^2/NDF : 1172597.7/49

All: 0.012+/-0.000 χ^2/NDF : 2680922.1/102

- sign 0.012+/-0.000 χ^2/NDF : 1507370.9/52

yield_bpm0l07Y_mean vs Slug



Right In: 0.596 $\pm$ 0.000 χ^2 /NDF: 62236698823.6/24

Left Out: 0.201 $\pm$ 0.000 χ^2 /NDF: 7090760823.7/24

+ sign 0.315 $\pm$ 0.000 χ^2 /NDF: 250812195705.3/49

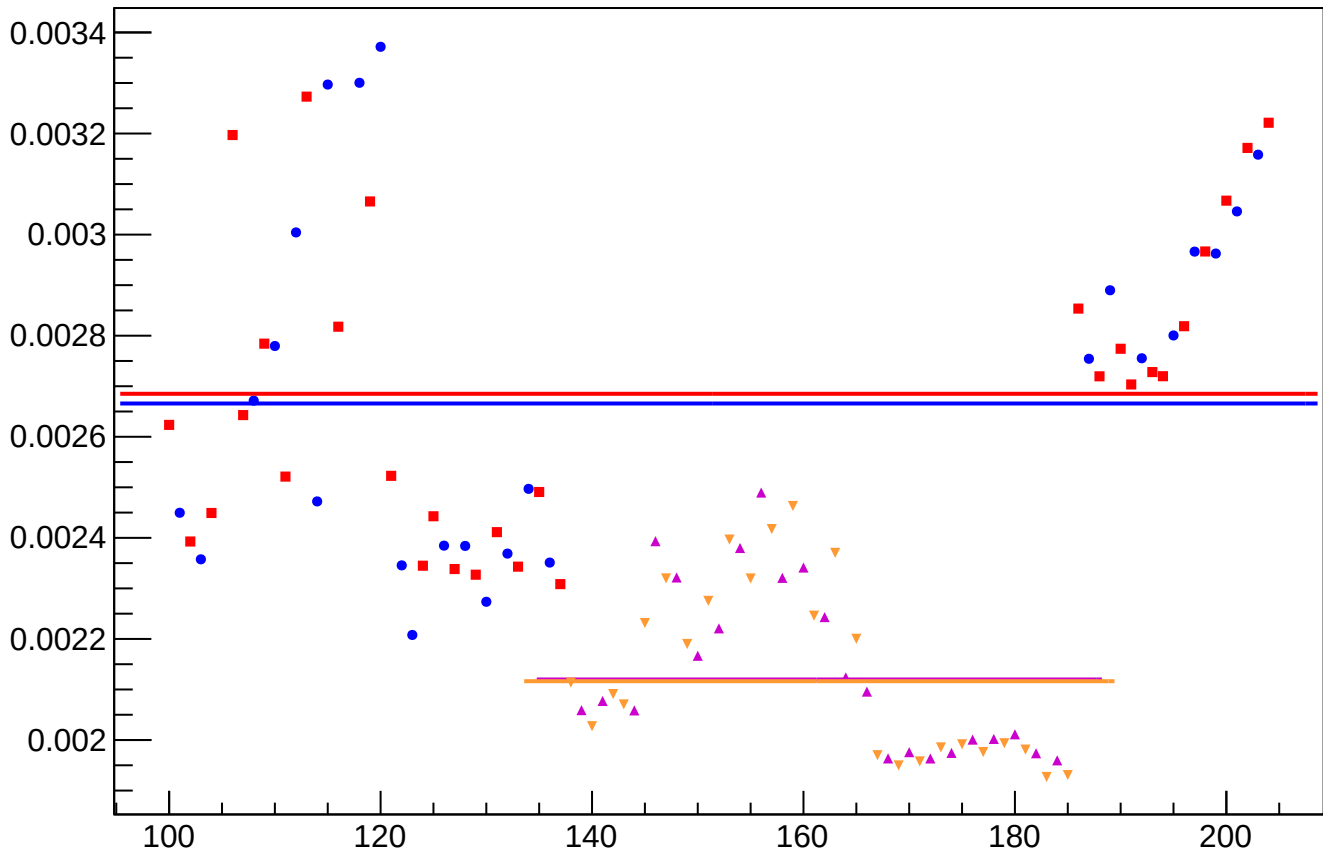
Right Out: 0.604 $\pm$ 0.000 χ^2 /NDF: 62734371467.9/29

All: 0.325 $\pm$ 0.000 χ^2 /NDF: 524688904515.5

Left In: 0.201 $\pm$ 0.000 χ^2 /NDF: 5671770181.2/22

- sign 0.334 $\pm$ 0.000 χ^2 /NDF: 272836316509.3/52

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 330289.2/24

Left Out: 0.002+/-0.000 χ^2/NDF :224498.3/24

Right Out: 0.003+/-0.000 χ^2/NDF : 288201.6/29

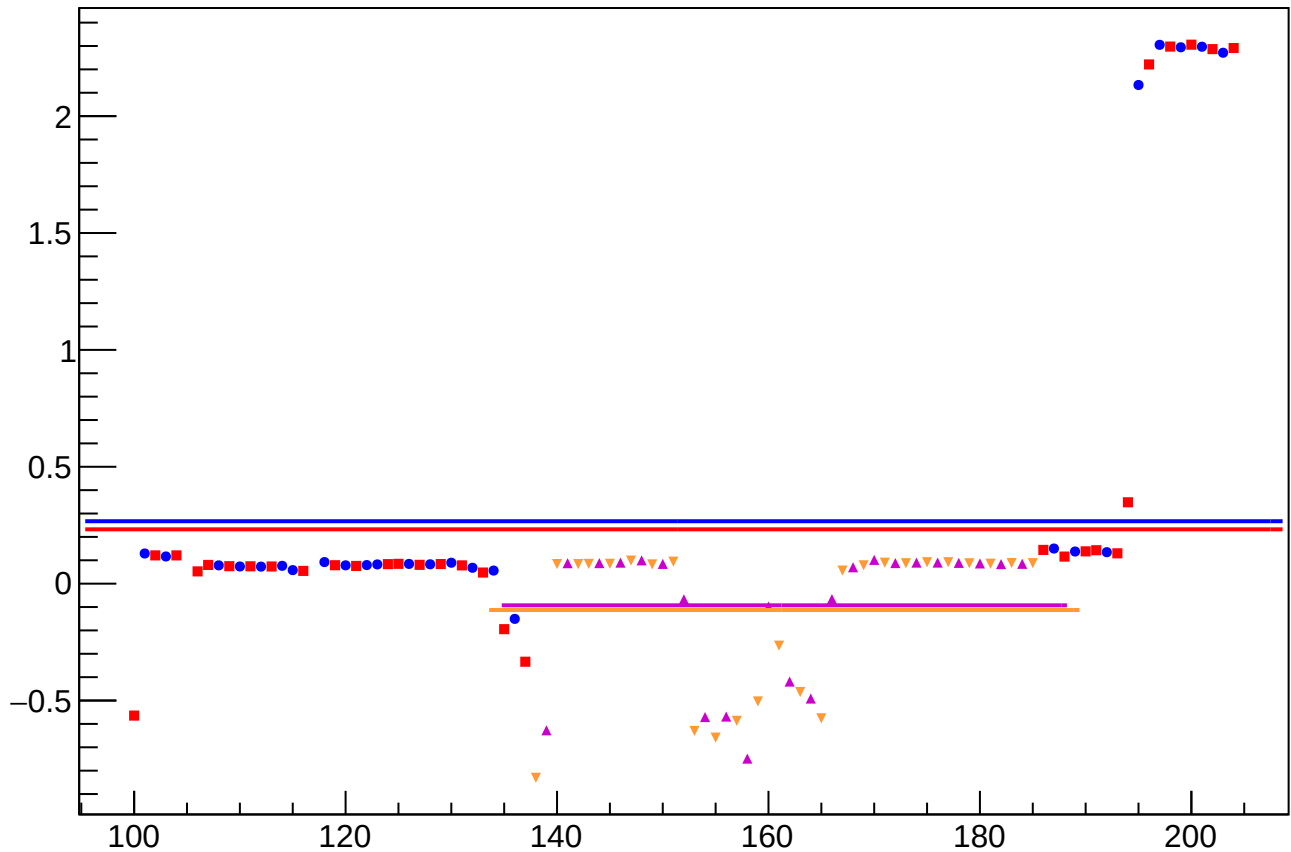
Left In: 0.002+/-0.000 χ^2/NDF :189228.6/22

+ sign 0.002+/-0.000 χ^2/NDF : 1259800.7/49

All: 0.002+/-0.000 χ^2/NDF : 2547116.8/102

- sign 0.002+/-0.000 χ^2/NDF : 1281635.8/52

yield_bpm0l08X_mean vs Slug



Right In: 0.267 $\pm$ 0.000 χ^2 /NDF: 33657793247.1/24

Left Out: -0.113 $\pm$ 0.000 χ^2 /NDF: 13667354077.1/24

Right Out: 0.232 $\pm$ 0.000 χ^2 /NDF: 34532361999.7/29

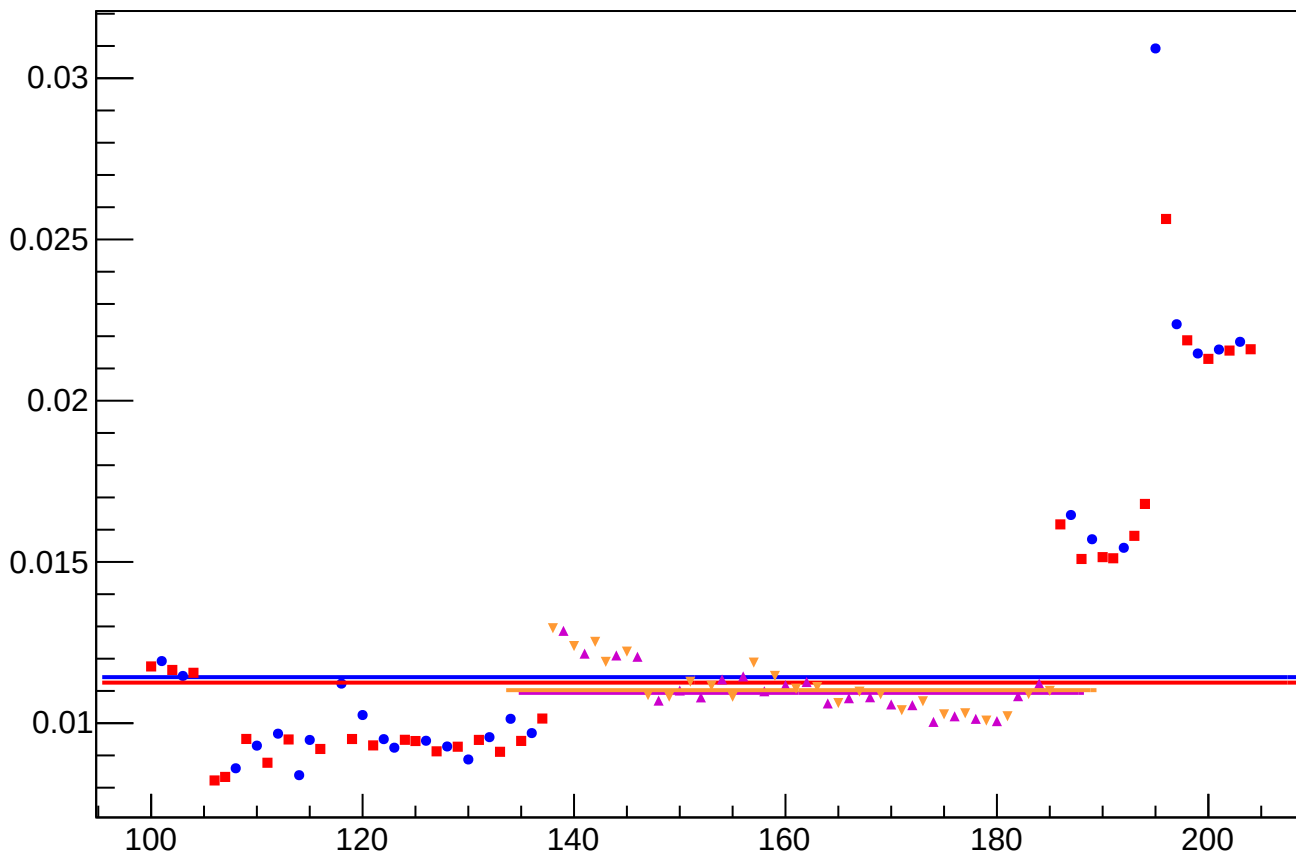
Left In: -0.093 $\pm$ 0.000 χ^2 /NDF: 11051944893.7/22

+ sign 0.023 $\pm$ 0.000 χ^2 /NDF: 54810438473.1/49

All: 0.033 $\pm$ 0.000 χ^2 /NDF: 106498491464.5

- sign 0.042 $\pm$ 0.000 χ^2 /NDF: 51648477196.1/52

yield_bpm0l08X_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 2785877.1/24

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:141501.7/24

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 2961050.8/29

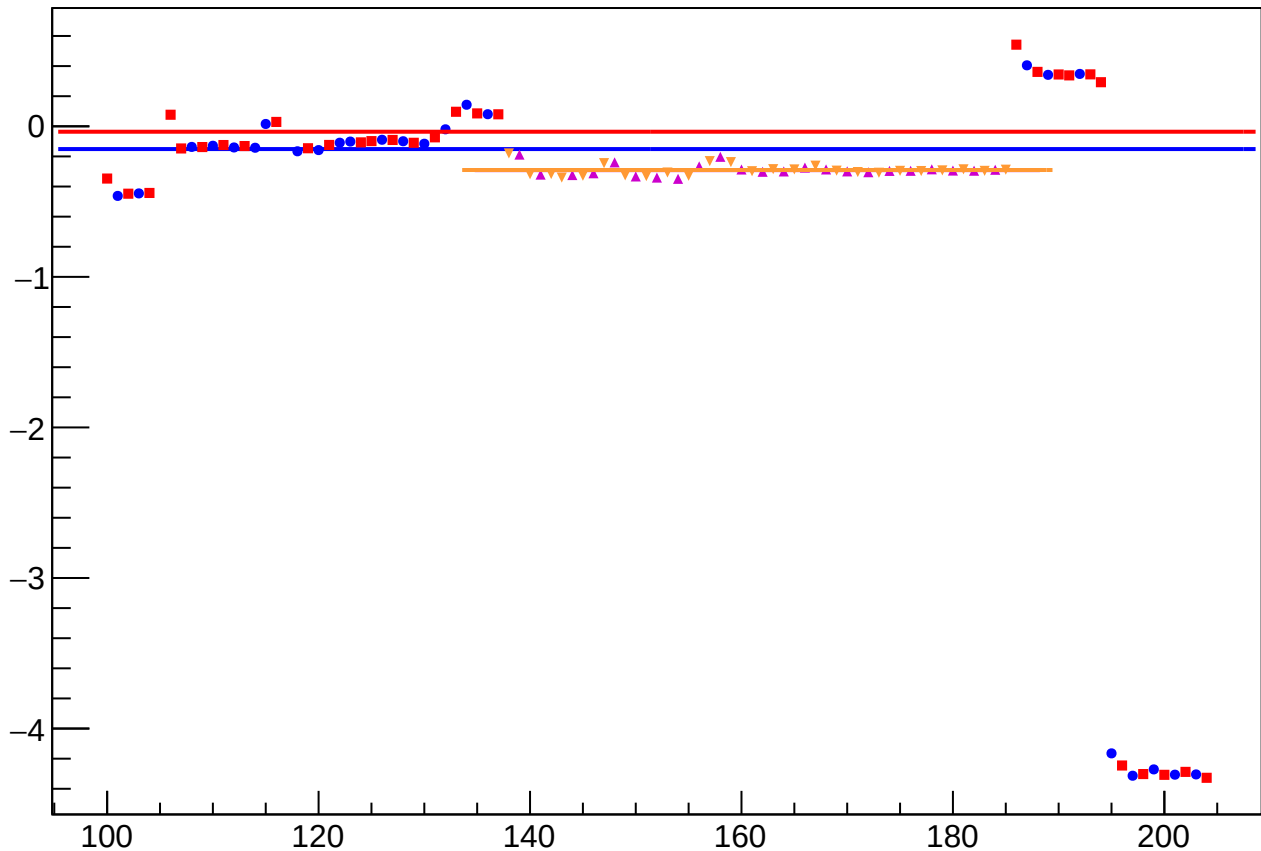
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:128914.2/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2944293.3/49

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 6047967.0/102

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3101511.1/52

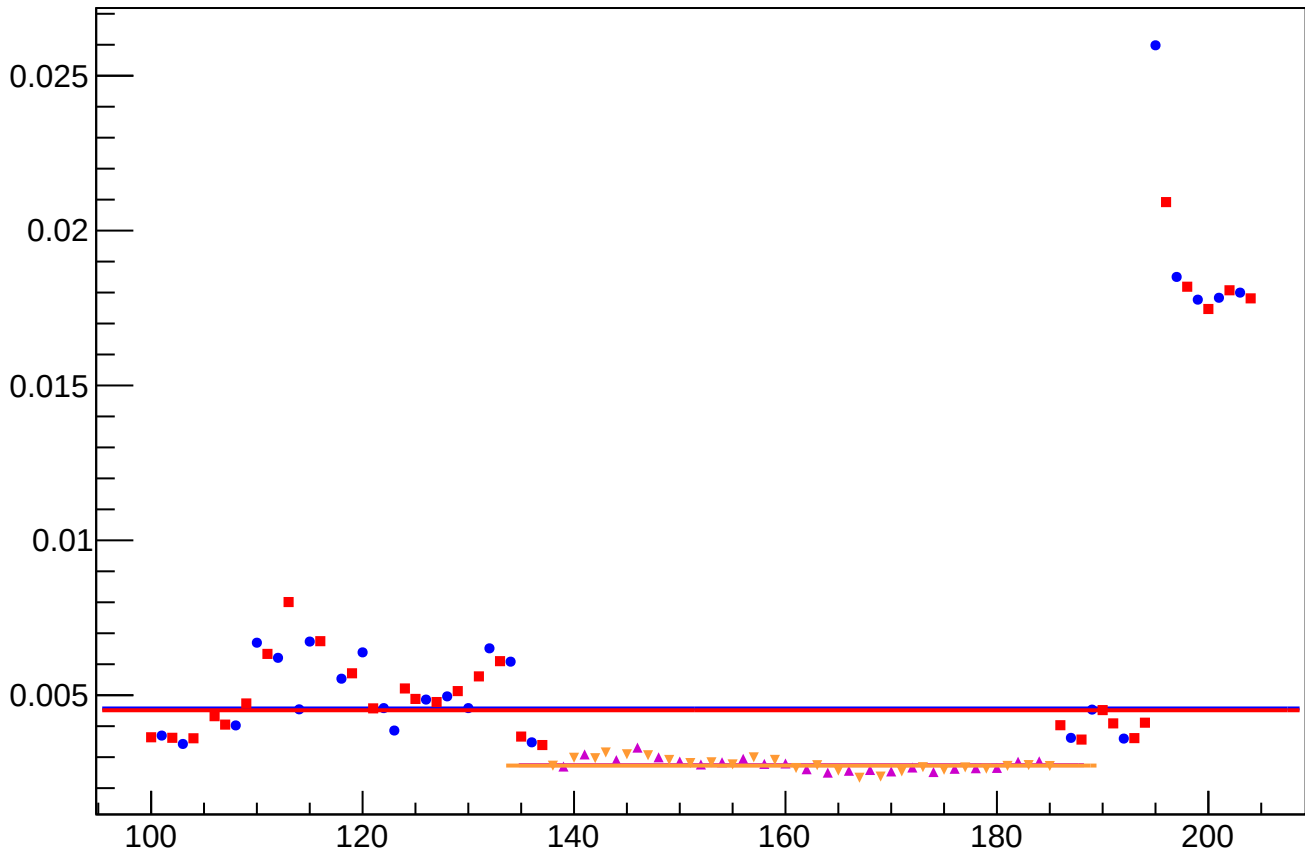
yield_bpm0l08Y_mean vs Slug



Right In: -0.151 ± 0.000 $\chi^2/\text{NDF}: 223849752390.3/24$
 Left Out: -0.290 ± 0.000 $\chi^2/\text{NDF}: 2877519093.0/24$
 Right Out: -0.036 ± 0.000 $\chi^2/\text{NDF}: 244380886853.9/29$
 Left In: -0.291 ± 0.000 $\chi^2/\text{NDF}: 3125402243.3/22$

+ sign -0.269 ± 0.000 $\chi^2/\text{NDF}: 233655273256.4/49$
 All: -0.256 ± 0.000 $\chi^2/\text{NDF}: 509897264060.0$
 - sign -0.242 ± 0.000 $\chi^2/\text{NDF}: 275201979342.4/52$

yield_bpm0l08Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 5428696.8/24

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:206527.1/24

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 5011400.4/29

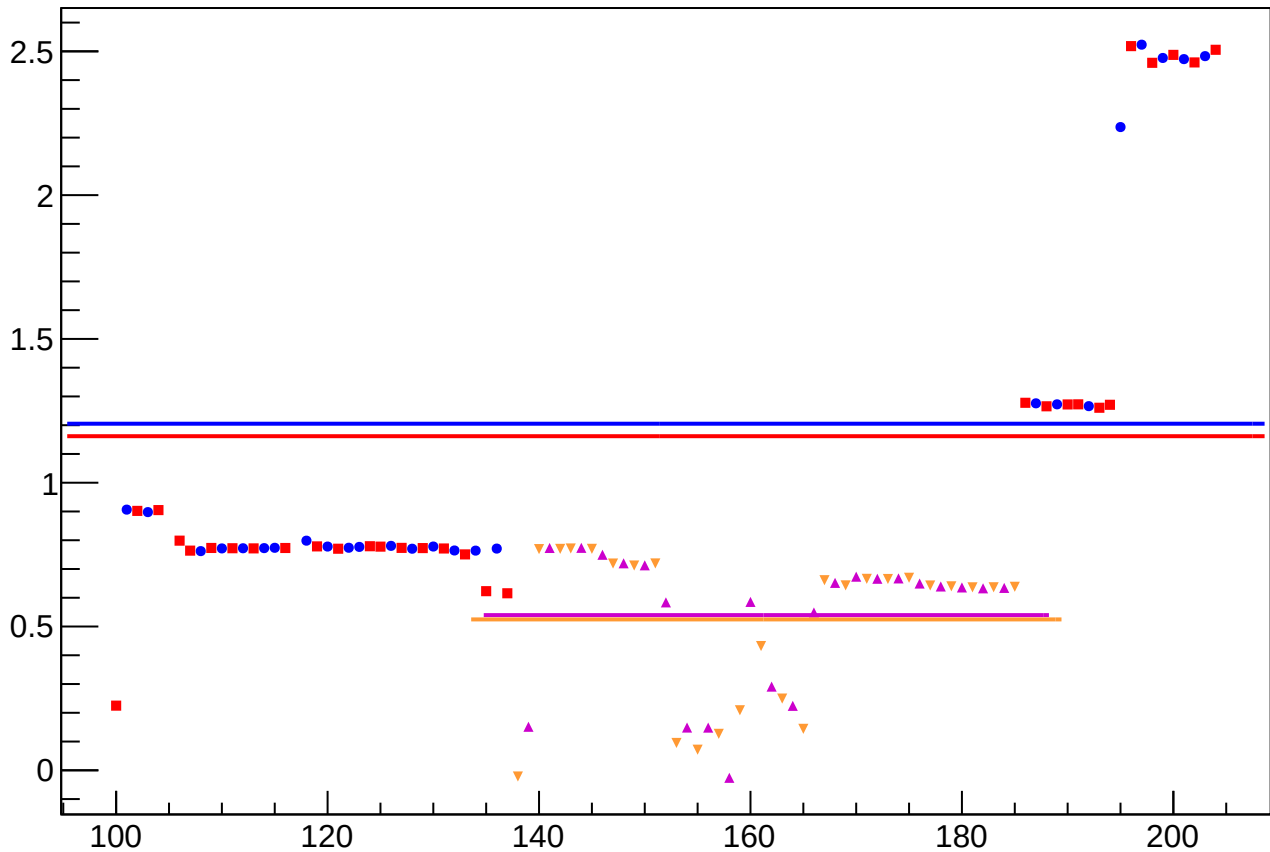
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:147778.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 8066679.6/49

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 15914516.7/102

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 7831464.2/52

yield_bpm0l09X_mean vs Slug



Right In: 1.205 $\pm$ 0.000 χ^2 /NDF: 37234723279.7/24

Left Out: 0.525 $\pm$ 0.000 χ^2 /NDF: 9623503169.9/24

Right Out: 1.162 $\pm$ 0.000 χ^2 /NDF: 40416434615.6/29

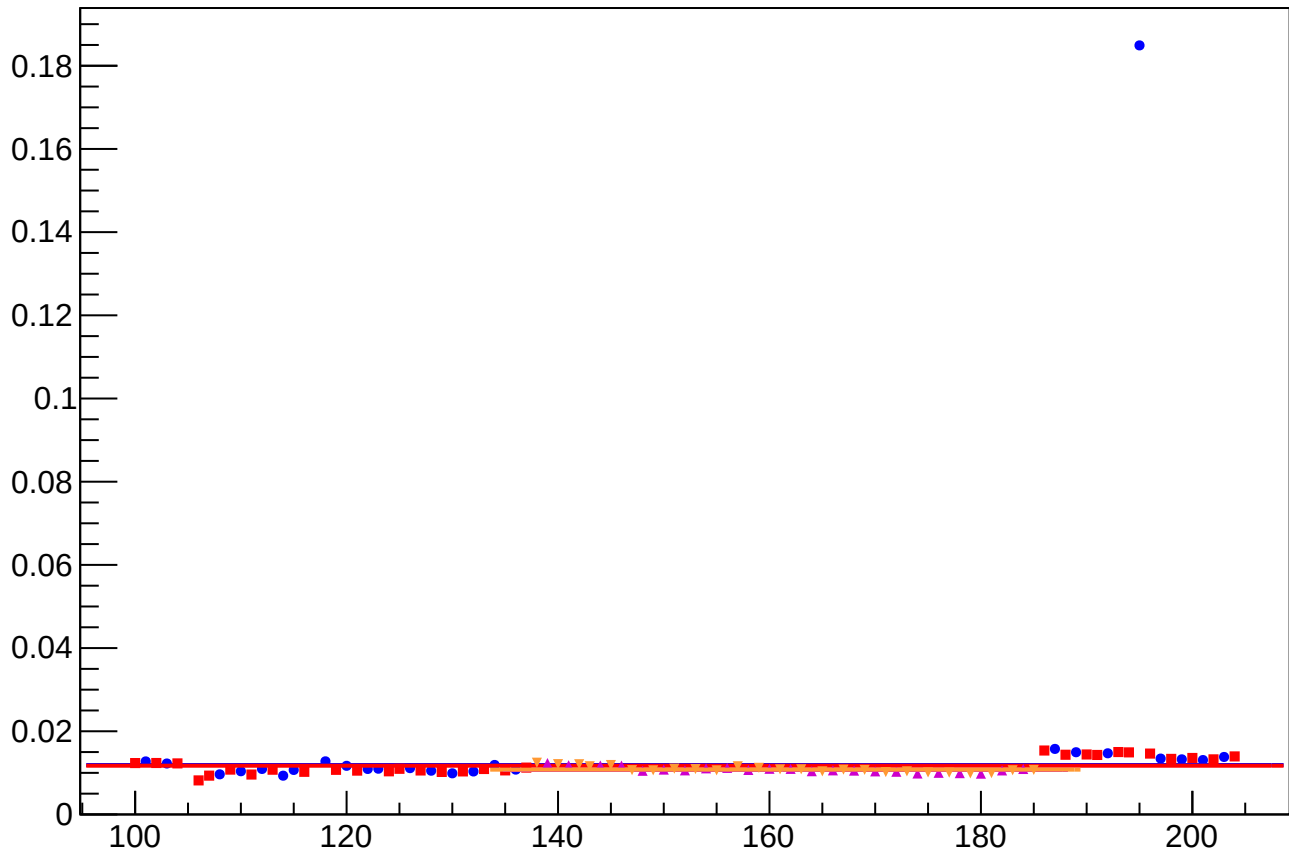
Left In: 0.540 $\pm$ 0.000 χ^2 /NDF: 7860539135.5/22

+ sign 0.754 $\pm$ 0.000 χ^2 /NDF: 70632093013.7/49

All: 0.769 $\pm$ 0.000 χ^2 /NDF: 141202005590.5

- sign 0.784 $\pm$ 0.000 χ^2 /NDF: 70462644150.9/52

yield_bpm0l09X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1863485.1/24

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:131630.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 708291.3/29

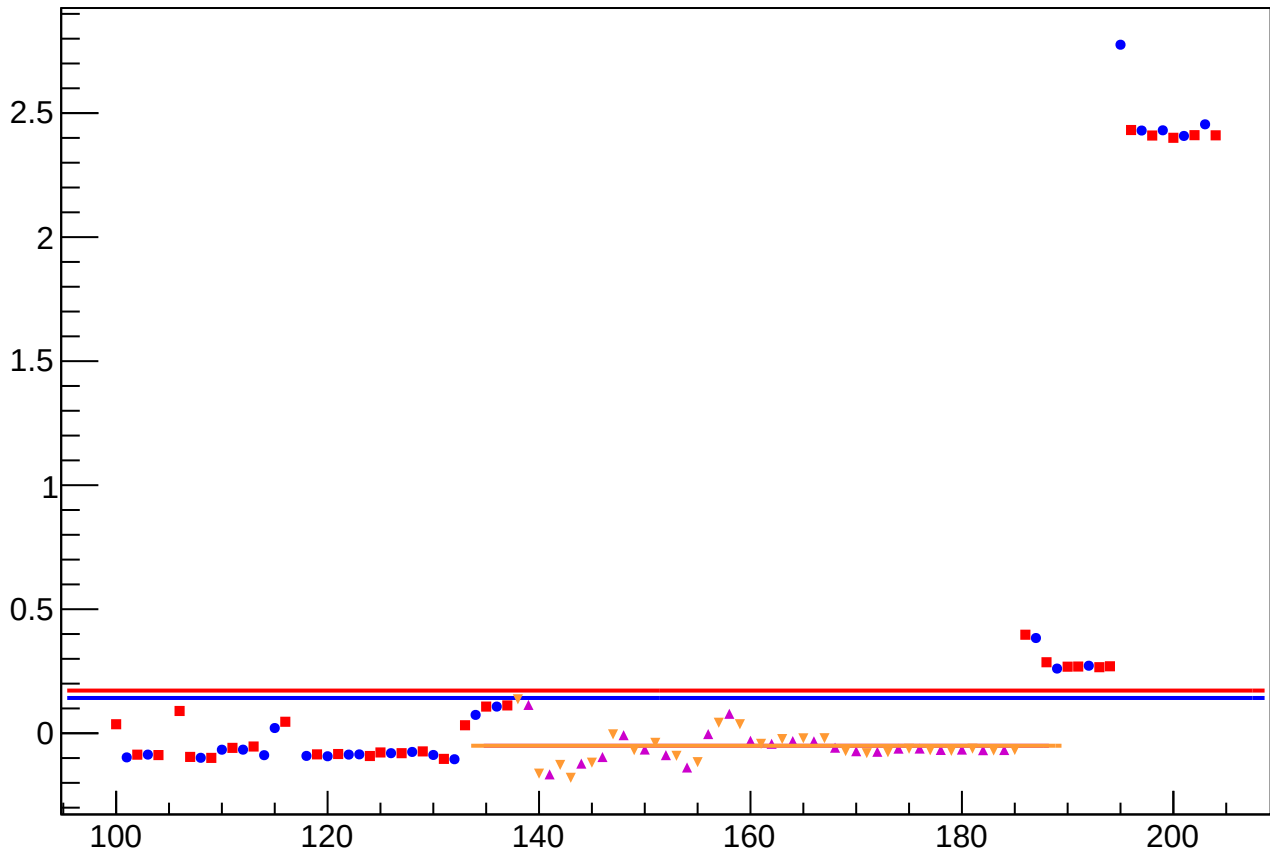
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:119273.2/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2121905.0/49

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3071161.6/102

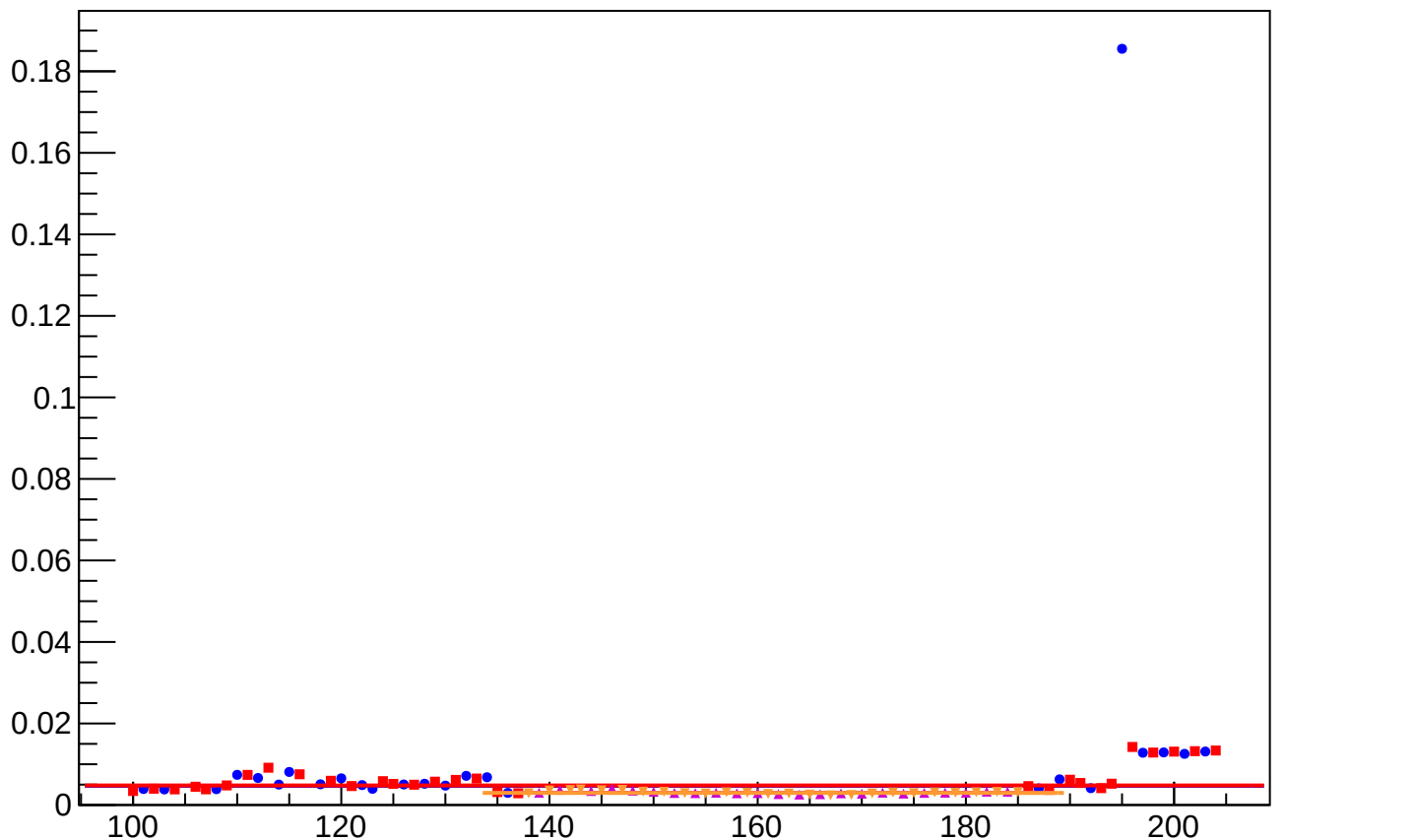
- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 948716.1/52

yield_bpm0l09Y_mean vs Slug



Right In: 0.142 $\pm$ 0.000	χ^2 /NDF: 109378136567.8/24	+ sign -0.018 $\pm$ 0.000	χ^2 /NDF: 128748121278.3/49
Left Out: -0.050 $\pm$ 0.000	χ^2 /NDF: 7271496478.6/24	All: -0.012 $\pm$ 0.000	χ^2 /NDF: 261815043481.3
Right Out: 0.172 $\pm$ 0.000	χ^2 /NDF: 108655171767.4/29	- sign -0.005 $\pm$ 0.000	χ^2 /NDF: 132874200764.1/52
Left In: -0.051 $\pm$ 0.000	χ^2 /NDF: 6128769990.8/22		

yield_bpm0l09Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 5147454.9/24

Left Out: 0.003+/-0.000 χ^2/NDF : 499039.1/24

Right Out: 0.005+/-0.000 χ^2/NDF : 3872213.3/29

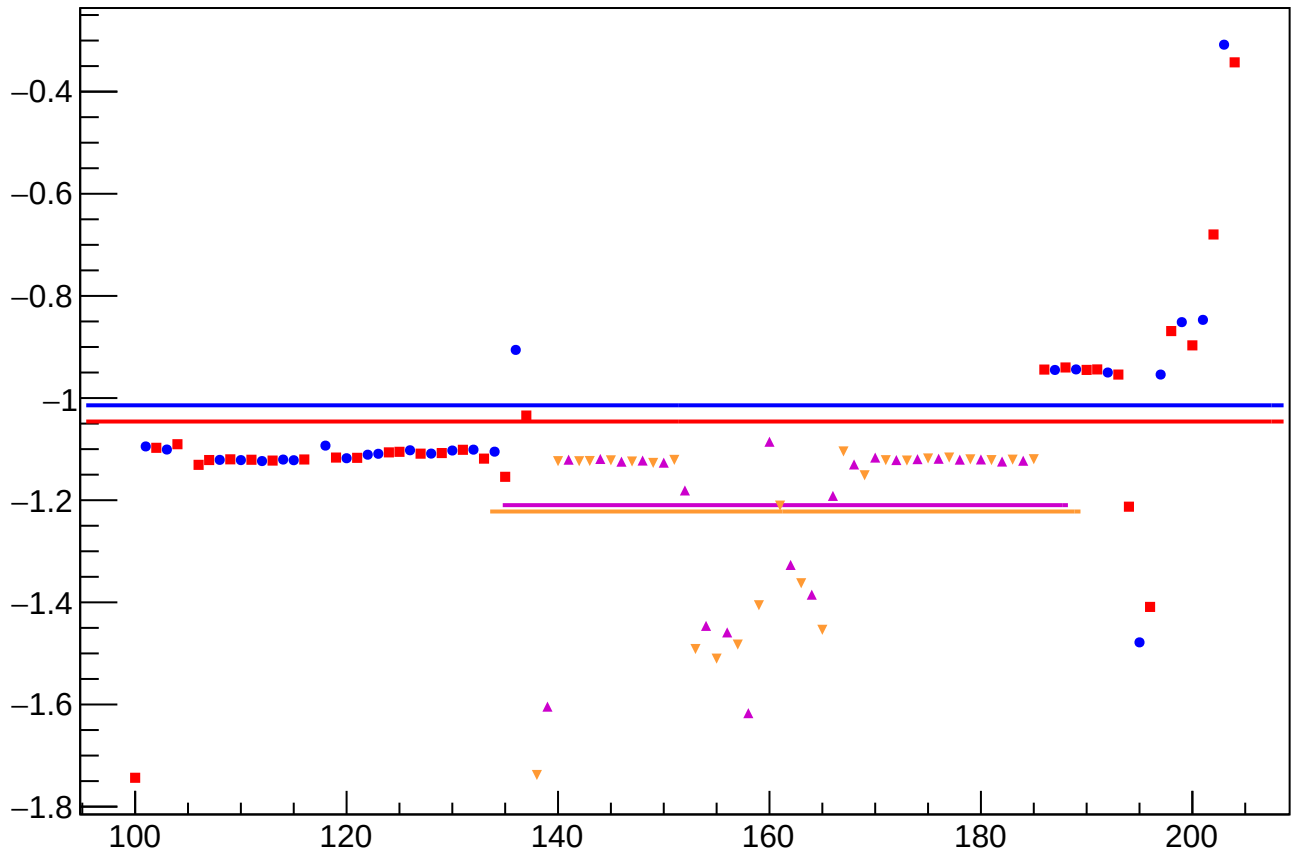
Left In: 0.003+/-0.000 χ^2/NDF : 329068.1/22

+ sign 0.003+/-0.000 χ^2/NDF : 7587526.9/49

All: 0.003+/-0.000 χ^2/NDF : 14144264.0/102

- sign 0.003+/-0.000 χ^2/NDF : 6526128.4/52

yield_bpm0l10X_mean vs Slug



Right In: -1.014 ± 0.000 χ^2/NDF : 3840233488.0/24

Left Out: -1.222 ± 0.000 χ^2/NDF : 5279548861.3/24

Right Out: -1.046 ± 0.000 χ^2/NDF : 3705379971.3/29

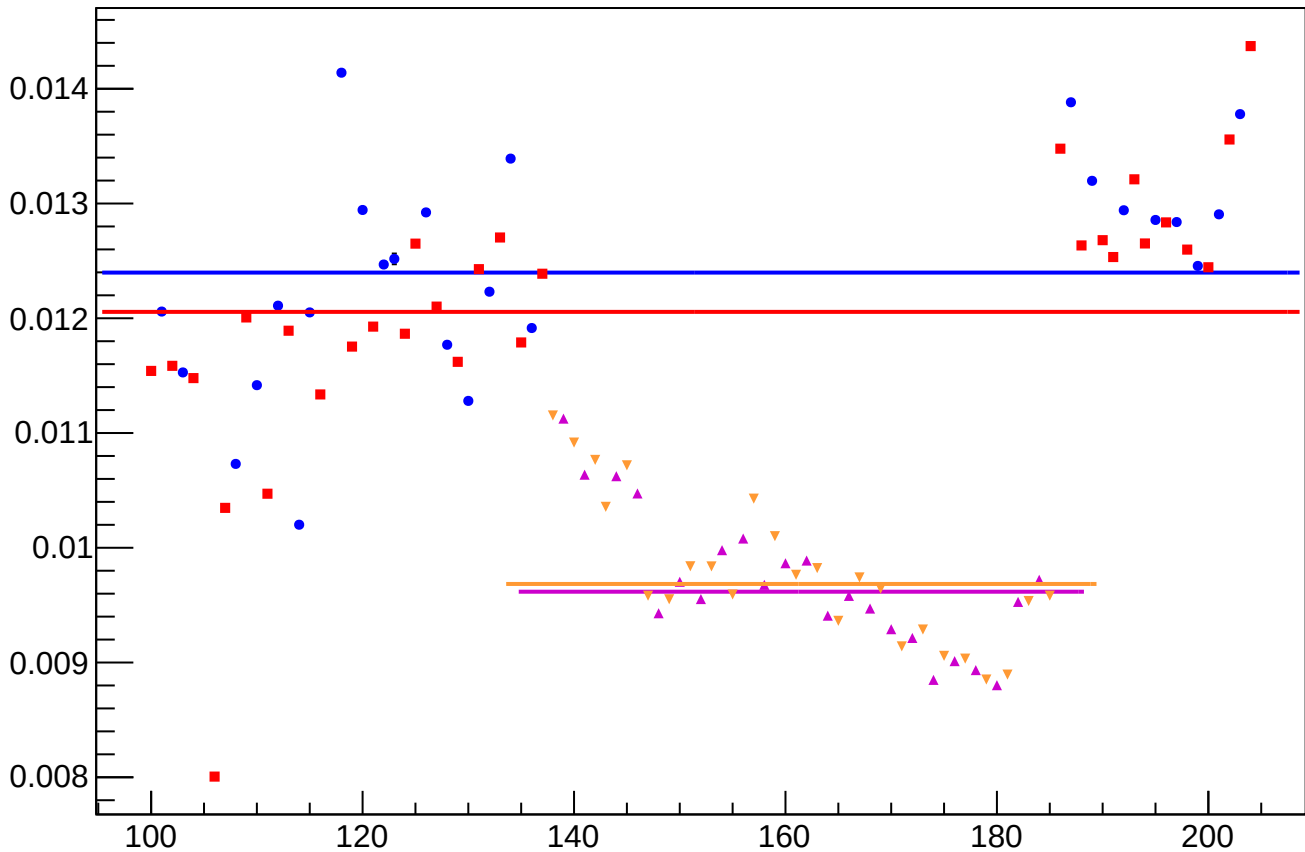
Left In: -1.210 ± 0.000 χ^2/NDF : 4502367902.8/22

+ sign -1.162 ± 0.000 χ^2/NDF : 11482835003.8/49

All: -1.158 ± 0.000 χ^2/NDF : 21364608497.3/52

- sign -1.154 ± 0.000 χ^2/NDF : 9871954844.9/52

yield_bpm0l10X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 105641.6/24

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:134863.6/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 288595.3/29

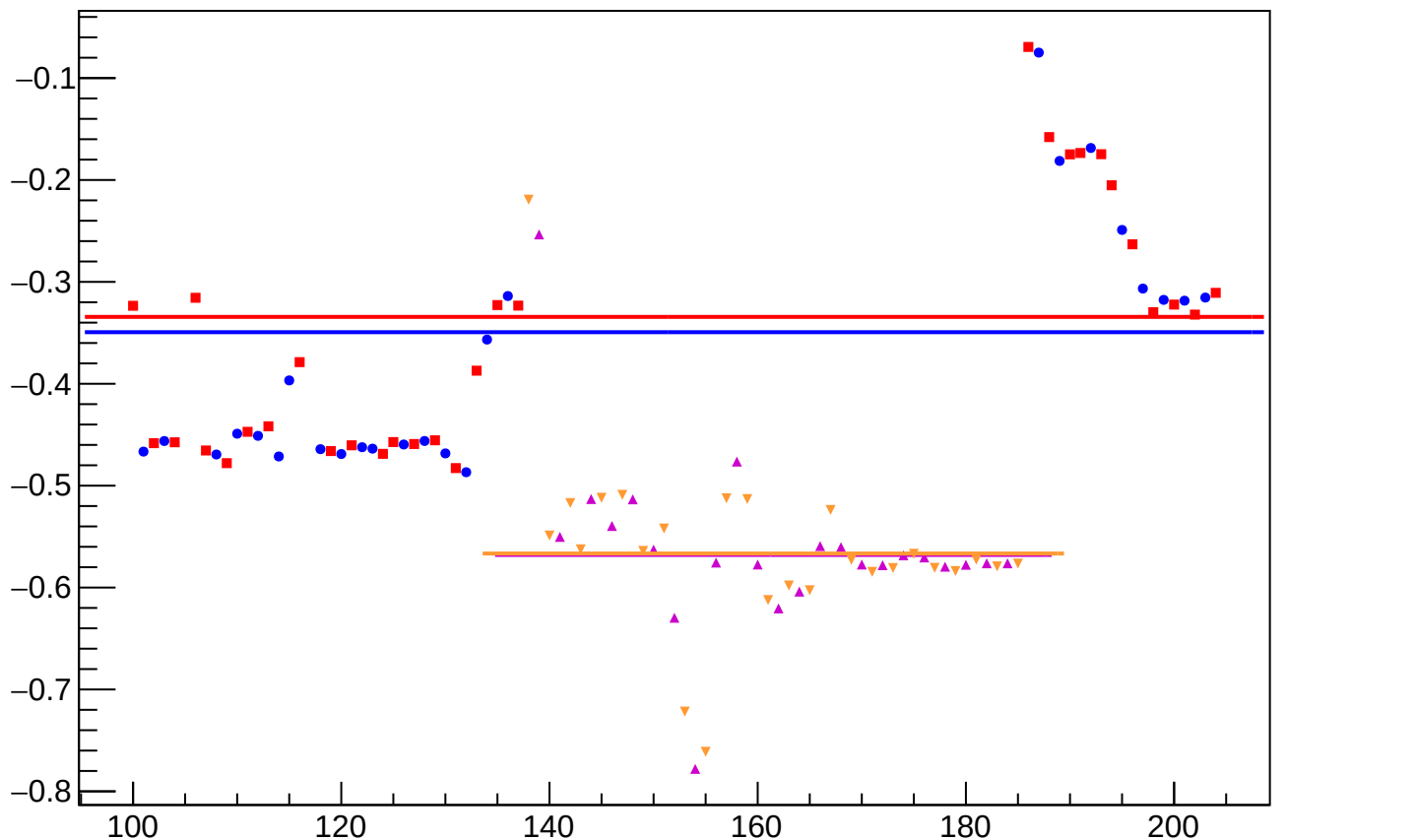
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:119823.1/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 1045459.8/49

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 2192247.1/102

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 1146722.3/52

yield_bpm0l10Y_mean vs Slug



Right In: -0.349 ± 0.000 $\chi^2/\text{NDF}: 7753570159.3/24$

Left Out: -0.567 ± 0.000 $\chi^2/\text{NDF}: 13368458519.3/24$

Right Out: -0.334 ± 0.000 $\chi^2/\text{NDF}: 10367100091.5/29$

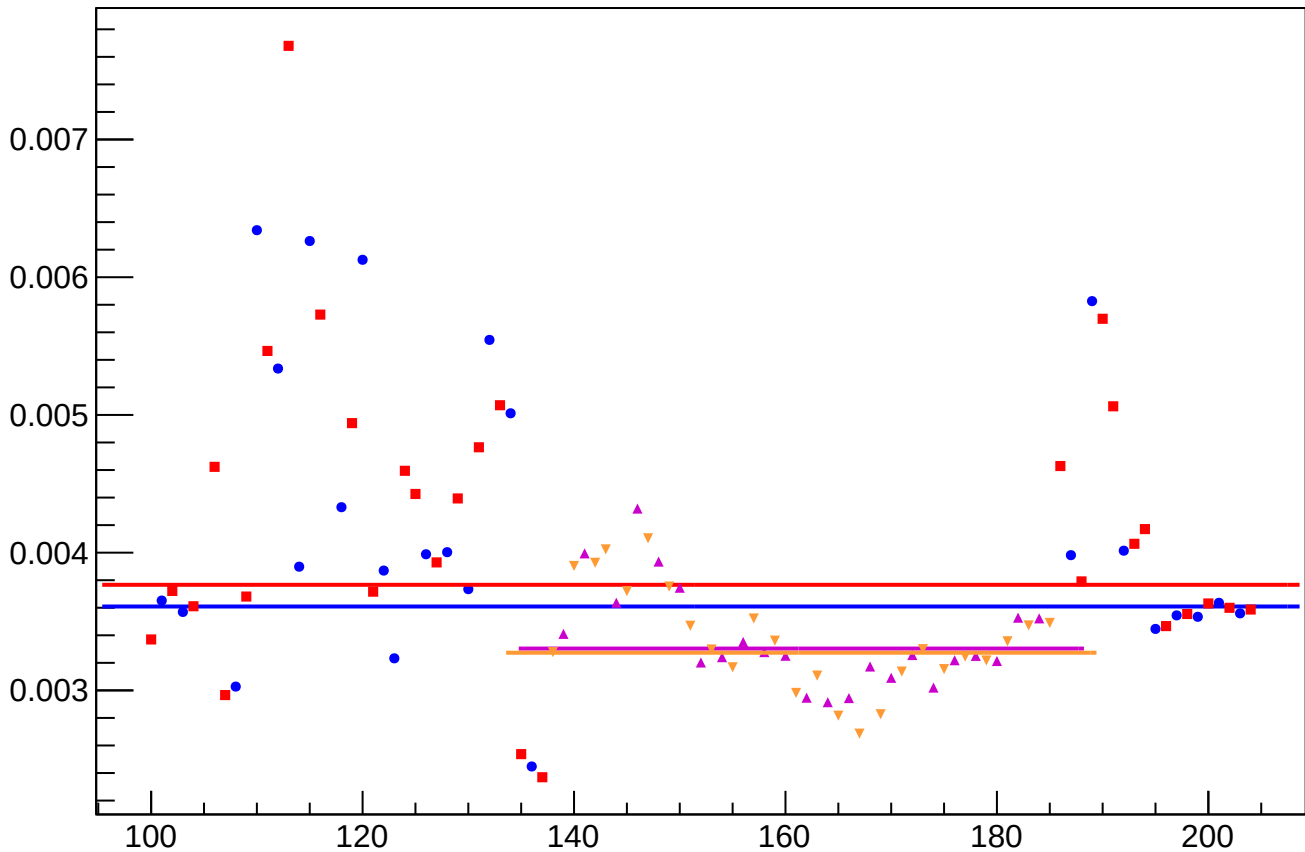
Left In: -0.568 ± 0.000 $\chi^2/\text{NDF}: 10458990019.9/22$

+ sign -0.493 ± 0.000 $\chi^2/\text{NDF}: 46705363864.4/49$

All: -0.487 ± 0.000 $\chi^2/\text{NDF}: 97931468905.8/100$

- sign -0.481 ± 0.000 $\chi^2/\text{NDF}: 51039287625.3/52$

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 993092.0/24

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:394865.4/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1064084.5/29

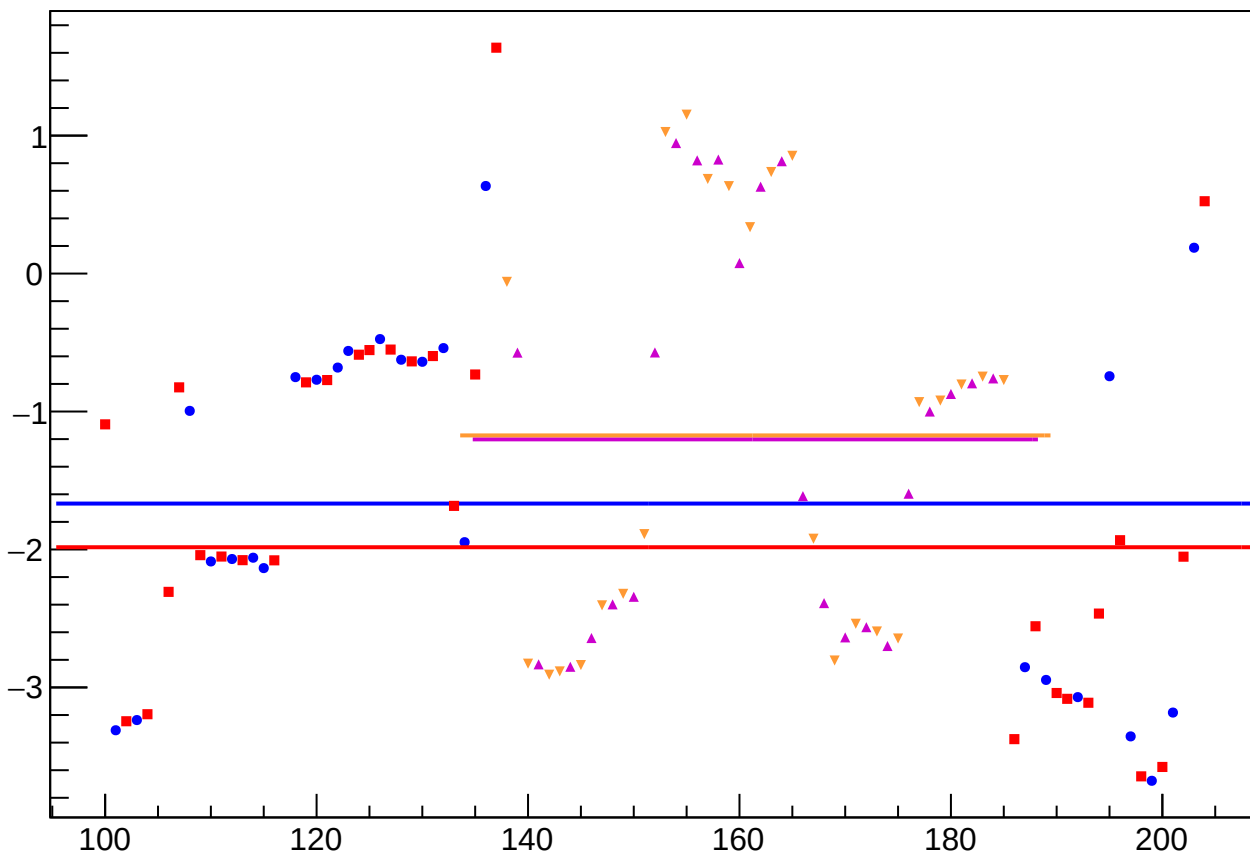
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:286064.1/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1510160.2/49

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3116828.4/102

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1587329.2/52

yield_bpm0r03X_mean vs Slug



Right In: -1.667+/-0.000 χ^2/NDF : 4465716066.3/24

Left Out: -1.173+/-0.000 χ^2/NDF : 6882684653.2/24

Right Out: -1.984+/-0.000 χ^2/NDF : 3878689660.6/29

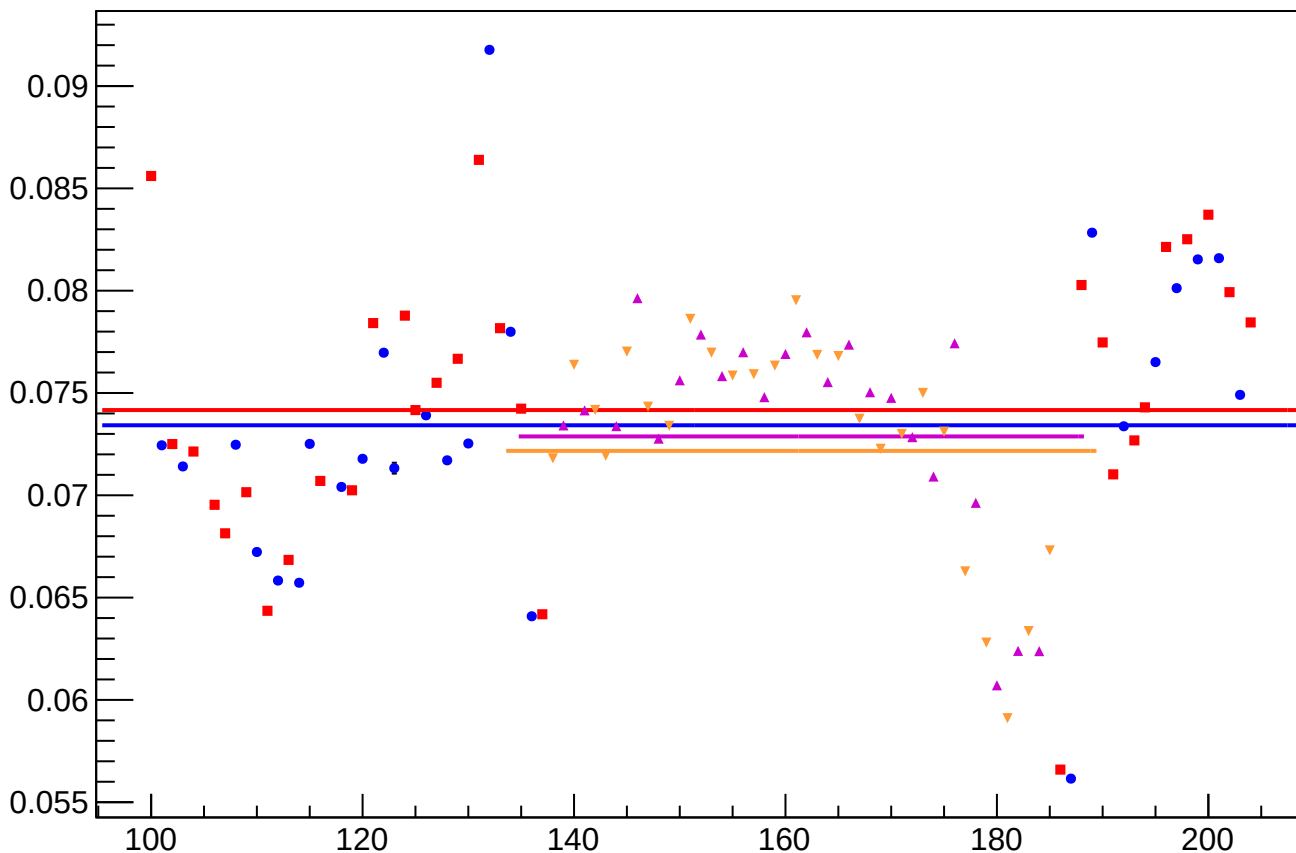
Left In: -1.202+/-0.000 χ^2/NDF : 5606782515.9/22

+ sign -1.366+/-0.000 χ^2/NDF : 11678245668.5/49

All: -1.457+/-0.000 χ^2/NDF : 22120982161.7/100

- sign -1.548+/-0.000 χ^2/NDF : 10348816306.8/52

yield_bpm0r03X_rms vs Slug



Right In: 0.073 ± 0.000 χ^2/NDF : 176511.2/24

Left Out: 0.072 ± 0.000 χ^2/NDF : 222263.8/24

Right Out: 0.074 ± 0.000 χ^2/NDF : 226263.7/29

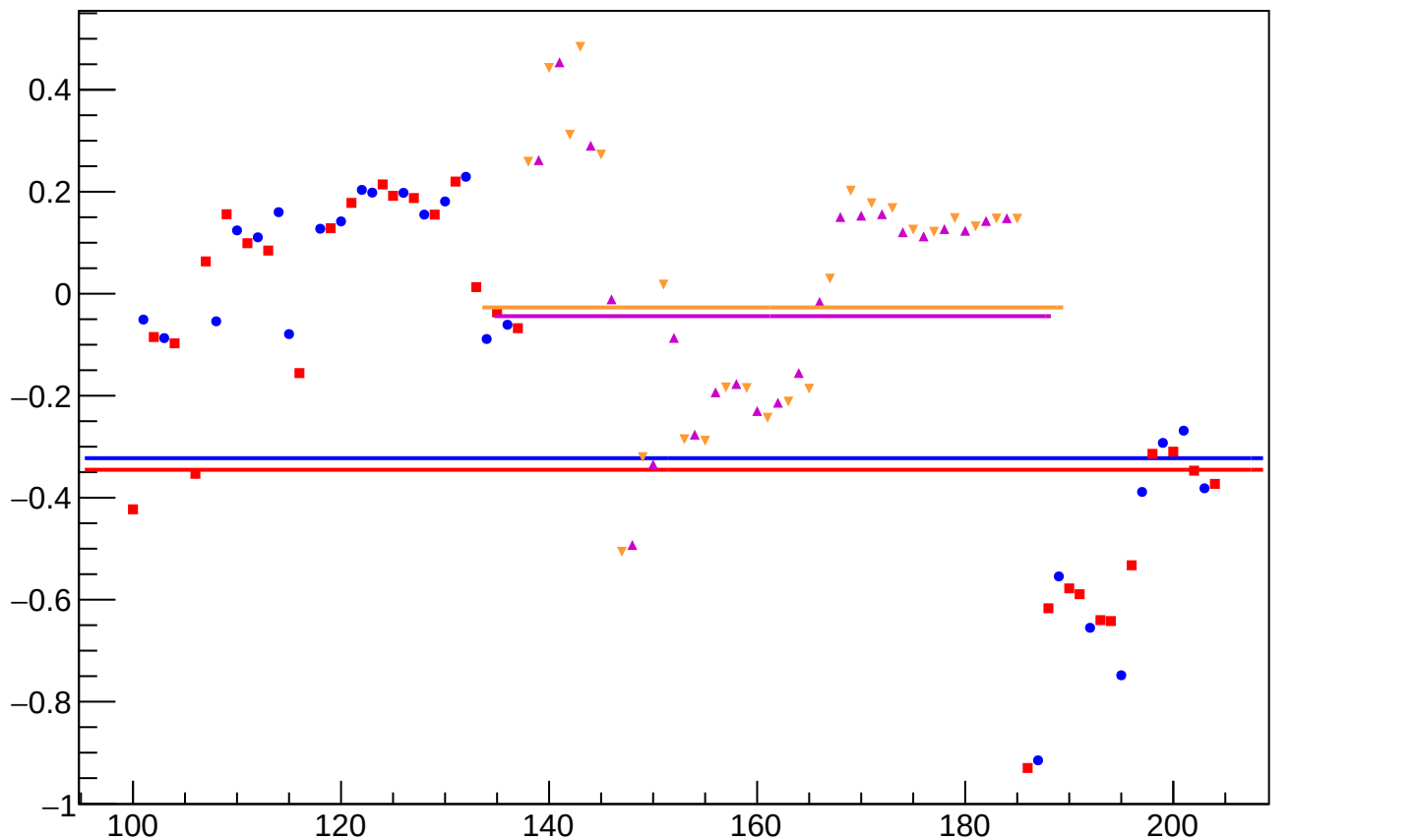
Left In: 0.073 ± 0.000 χ^2/NDF : 183503.0/22

+ sign 0.073 ± 0.000 χ^2/NDF : 403008.0/49

All: 0.073 ± 0.000 χ^2/NDF : 820997.3/102

- sign 0.073 ± 0.000 χ^2/NDF : 414454.9/52

yield_bpm0r03Y_mean vs Slug



Right In: -0.323 ± 0.000 $\chi^2/\text{NDF}: 12128449421.6/24$

Left Out: -0.027 ± 0.000 $\chi^2/\text{NDF}: 20376761328.6/24$

Right Out: -0.345 ± 0.000 $\chi^2/\text{NDF}: 10953966911.9/29$

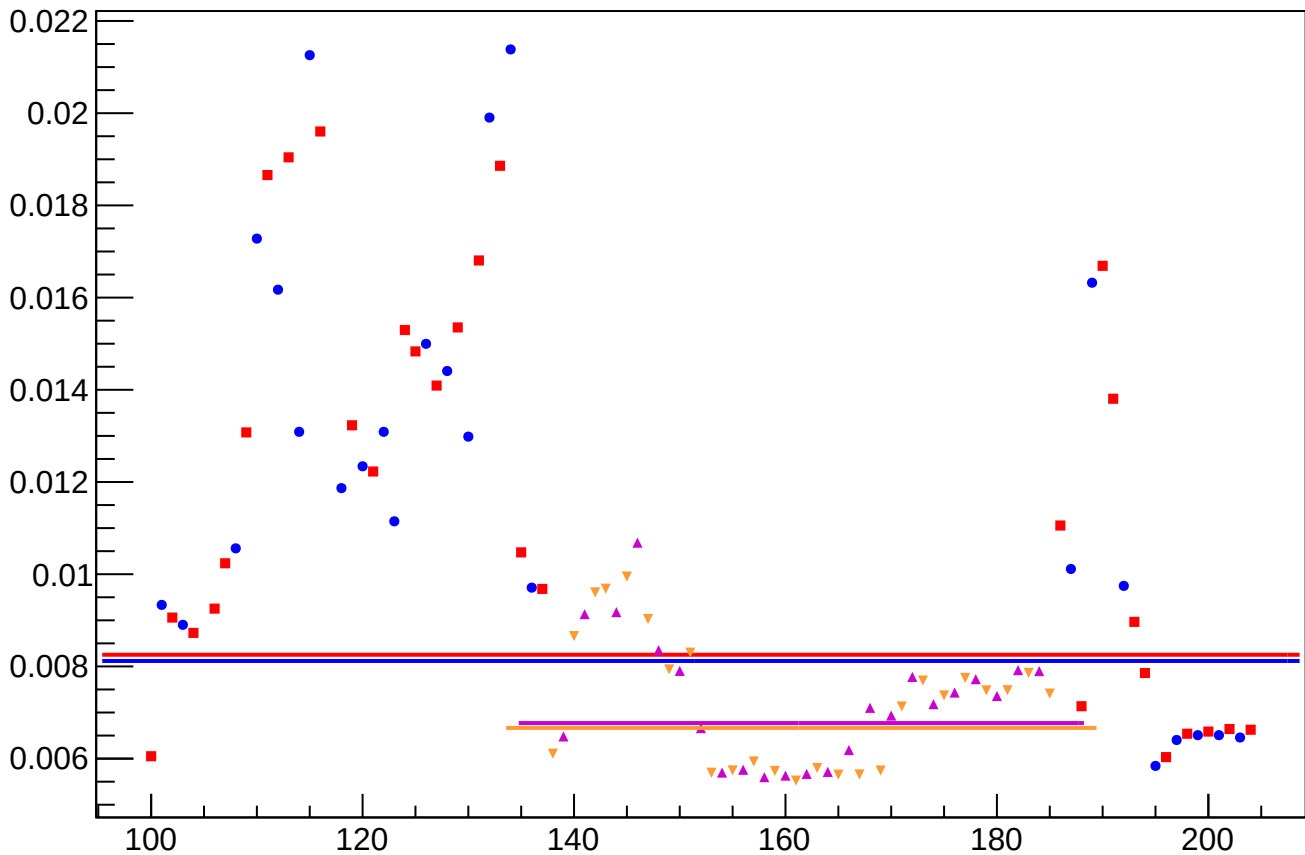
Left In: -0.044 ± 0.000 $\chi^2/\text{NDF}: 15718556282.1/22$

+ sign -0.112 ± 0.000 $\chi^2/\text{NDF}: 42067382949.4/49$

All: -0.128 ± 0.000 $\chi^2/\text{NDF}: 79325587871.9/100$

- sign -0.143 ± 0.000 $\chi^2/\text{NDF}: 37006711117.4/52$

yield_bpm0r03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 2577339.5/24

Left Out: 0.007+/-0.000 χ^2/NDF :1143768.6/24

Right Out: 0.008+/-0.000 χ^2/NDF : 2847051.7/29

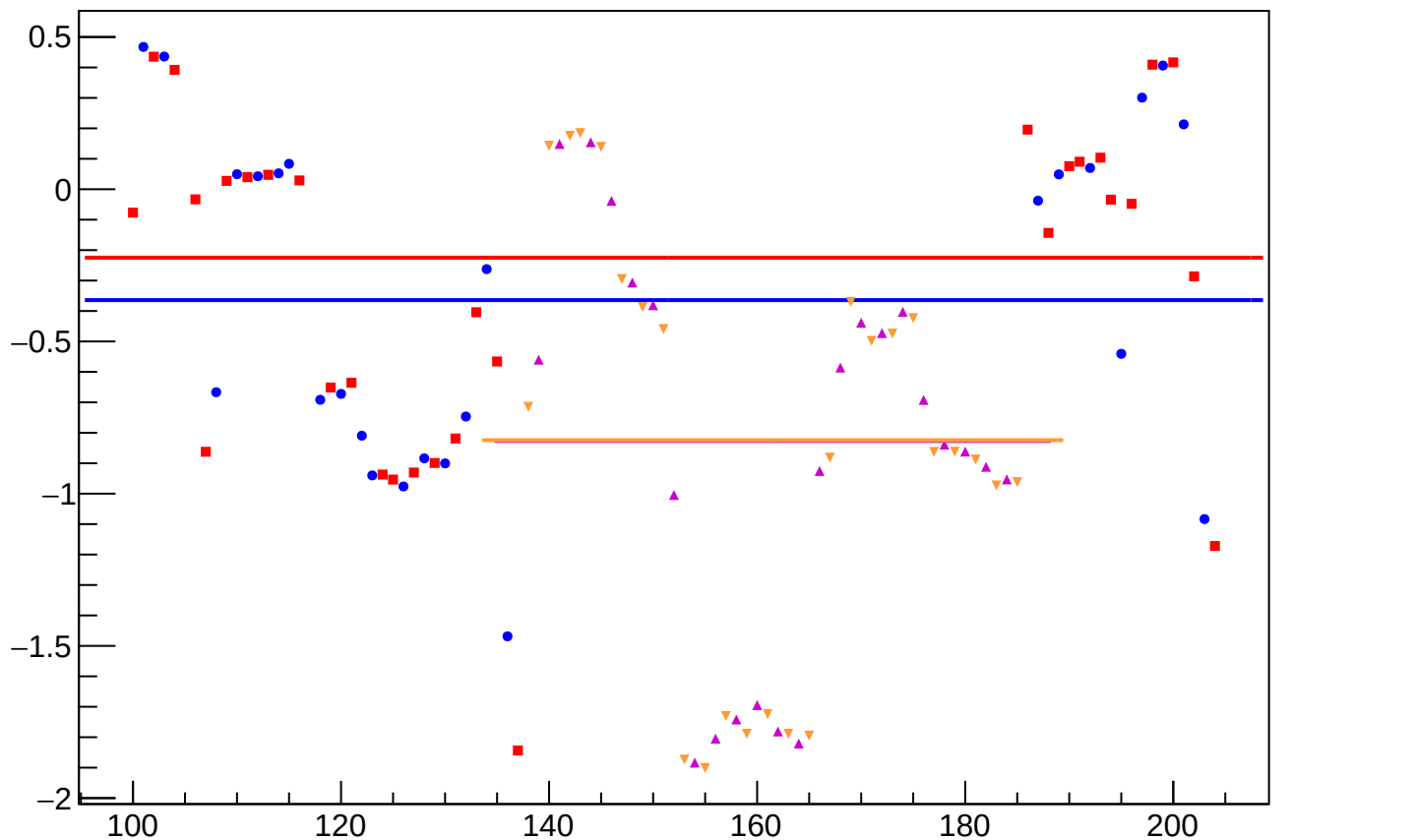
Left In: 0.007+/-0.000 χ^2/NDF :934050.3/22

+ sign 0.007+/-0.000 χ^2/NDF : 4182614.0/49

All: 0.007+/-0.000 χ^2/NDF : 8479756.1/102

- sign 0.007+/-0.000 χ^2/NDF : 4281253.6/52

yield_bpm0r05X_mean vs Slug



Right In: -0.364 ± 0.000 $\chi^2/\text{NDF}: 544470965.1/24$

Left Out: -0.824 ± 0.000 $\chi^2/\text{NDF}: 1103610806.5/24$

Right Out: -0.225 ± 0.000 $\chi^2/\text{NDF}: 458990243.1/29$

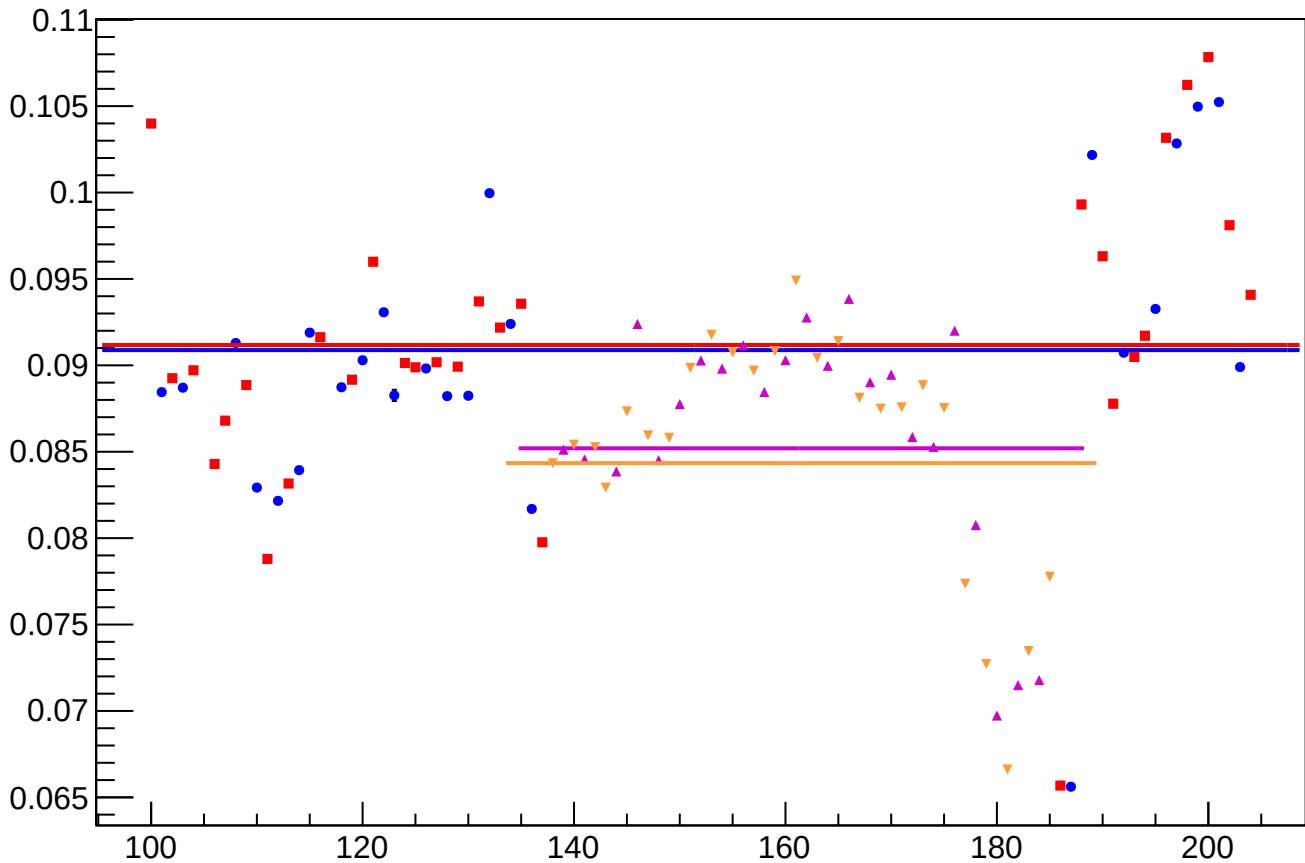
Left In: -0.827 ± 0.000 $\chi^2/\text{NDF}: 921651117.3/22$

+ sign -0.657 ± 0.000 $\chi^2/\text{NDF}: 1844903852.8/49$

All: -0.616 ± 0.000 $\chi^2/\text{NDF}: 3595704020.6/1$

- sign -0.576 ± 0.000 $\chi^2/\text{NDF}: 1737517765.5/52$

yield_bpm0r05X_rms vs Slug



Right In: 0.091 $\pm$ 0.000 χ^2 /NDF: 186233.5/24

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF:288312.6/24

Right Out: 0.091 $\pm$ 0.000 χ^2 /NDF: 280198.0/29

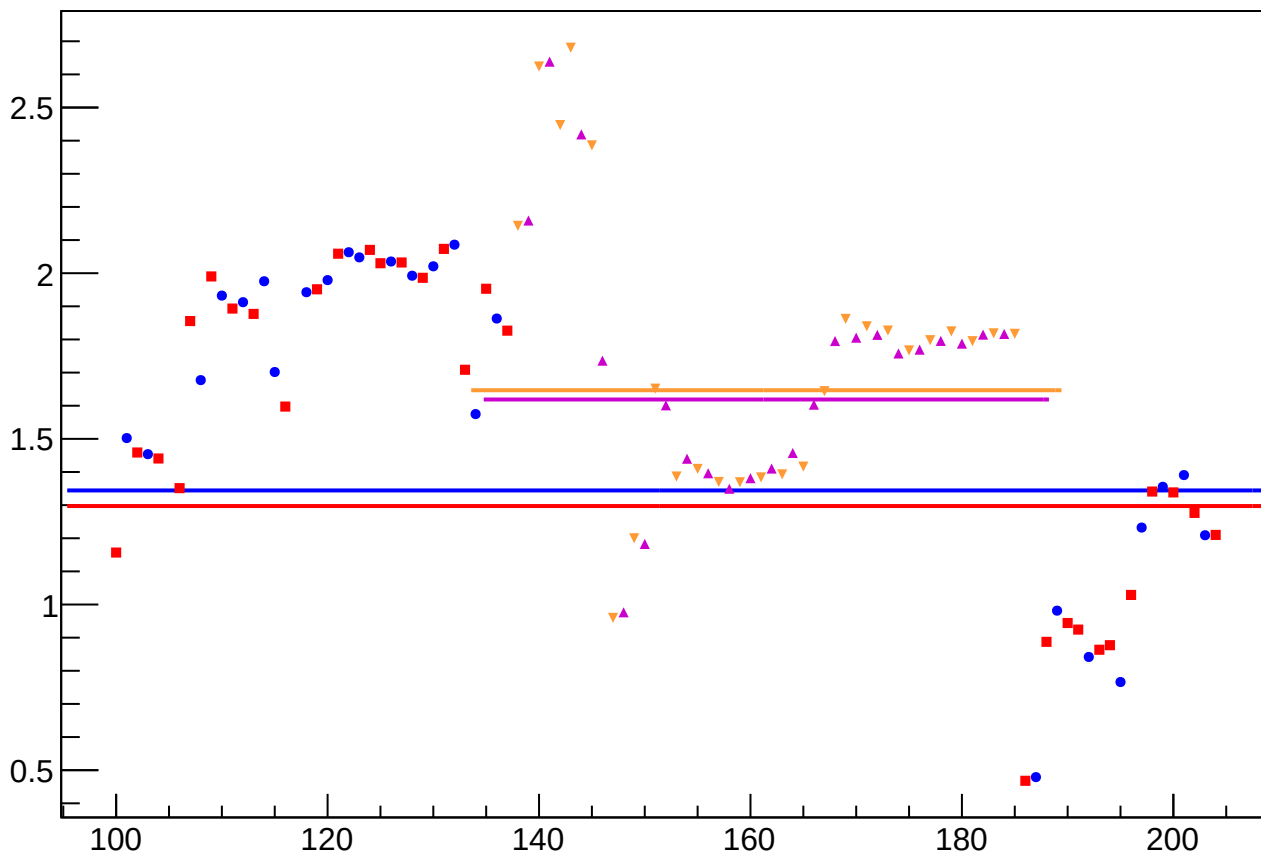
Left In: 0.085 $\pm$ 0.000 χ^2 /NDF:238313.9/22

+ sign 0.087 $\pm$ 0.000 χ^2 /NDF: 554083.0/49

All: 0.087 $\pm$ 0.000 χ^2 /NDF: 1146747.7/102

- sign 0.088 $\pm$ 0.000 χ^2 /NDF: 588860.9/52

yield_bpm0r05Y_mean vs Slug



Right In: 1.344 $\pm$ 0.000 χ^2 /NDF: 12708774792.1/24

Left Out: 1.647 $\pm$ 0.000 χ^2 /NDF: 26535241545.7/24

Right Out: 1.297 $\pm$ 0.000 χ^2 /NDF: 12064198214.8/29

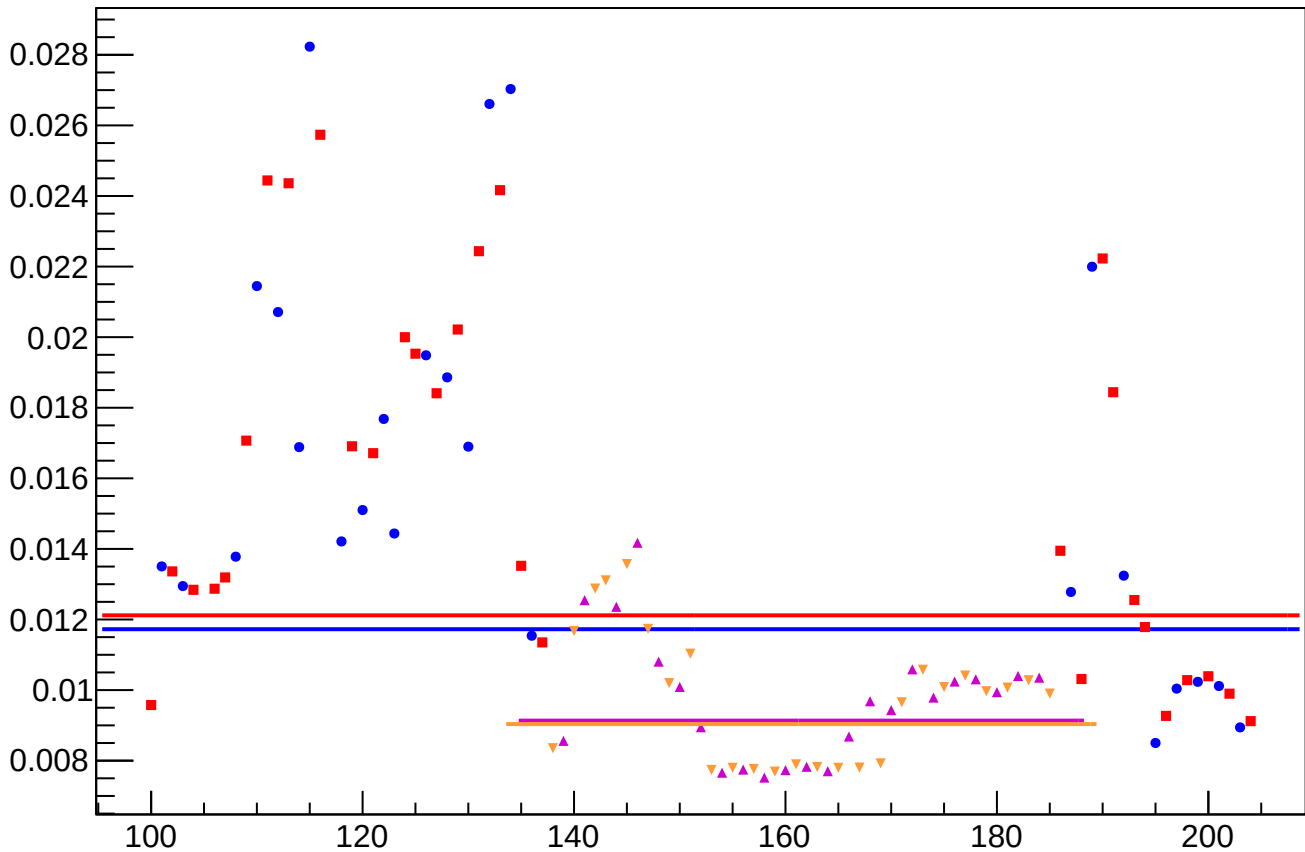
Left In: 1.619 $\pm$ 0.000 χ^2 /NDF: 20618198188.1/22

+ sign 1.566 $\pm$ 0.000 χ^2 /NDF: 44349432442.7/49

All: 1.545 $\pm$ 0.000 χ^2 /NDF: 83214927296.8/100

- sign 1.523 $\pm$ 0.000 χ^2 /NDF: 38606816149.8/52

yield_bpm0r05Y_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1887022.3/24

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1042871.8/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 2103889.4/29

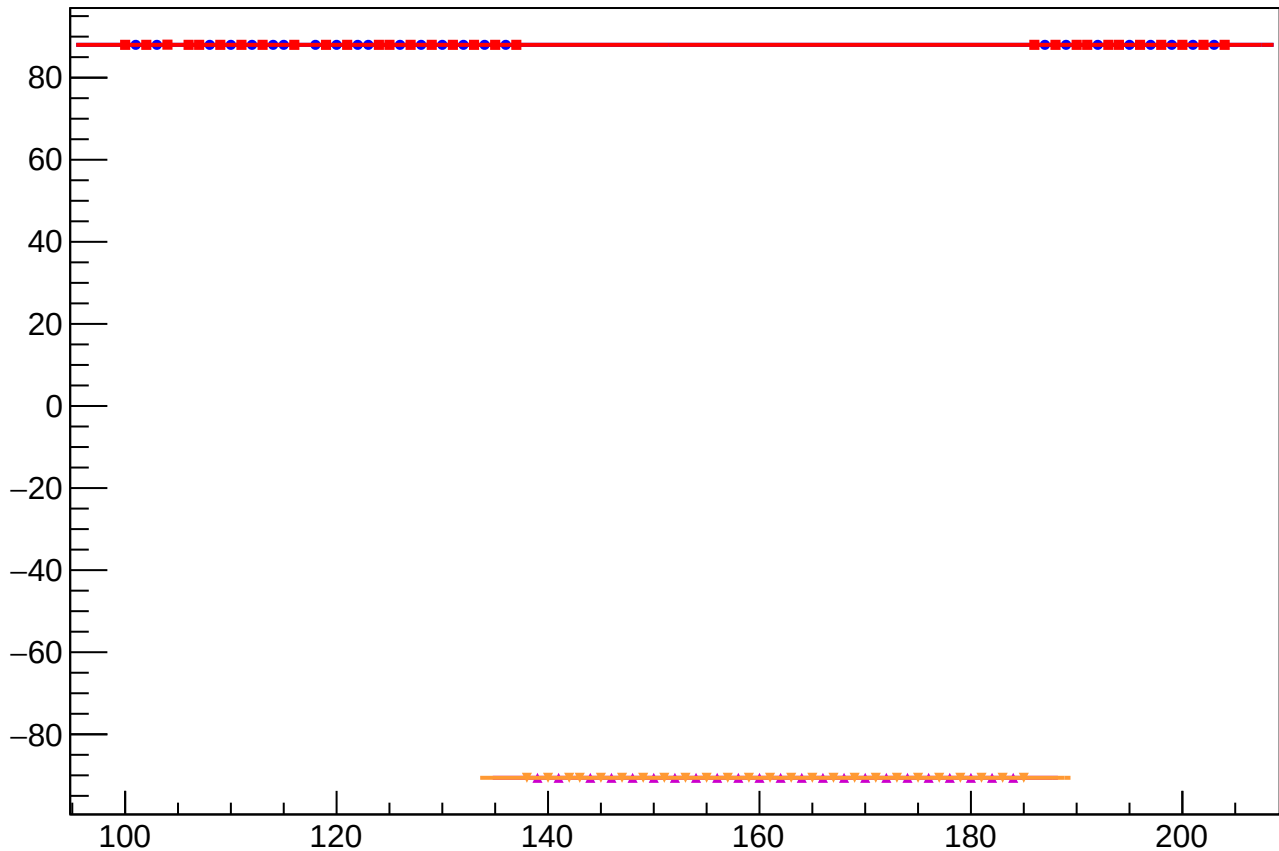
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:878356.2/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3736849.2/49

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 7758879.4/102

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 4001624.0/52

epics_VWienAngles_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 3643149.0/24

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 5785821.4/24

Right Out: 88.002 $\pm$ 0.000 χ^2 /NDF: 80517156177369974972394504192.0/29

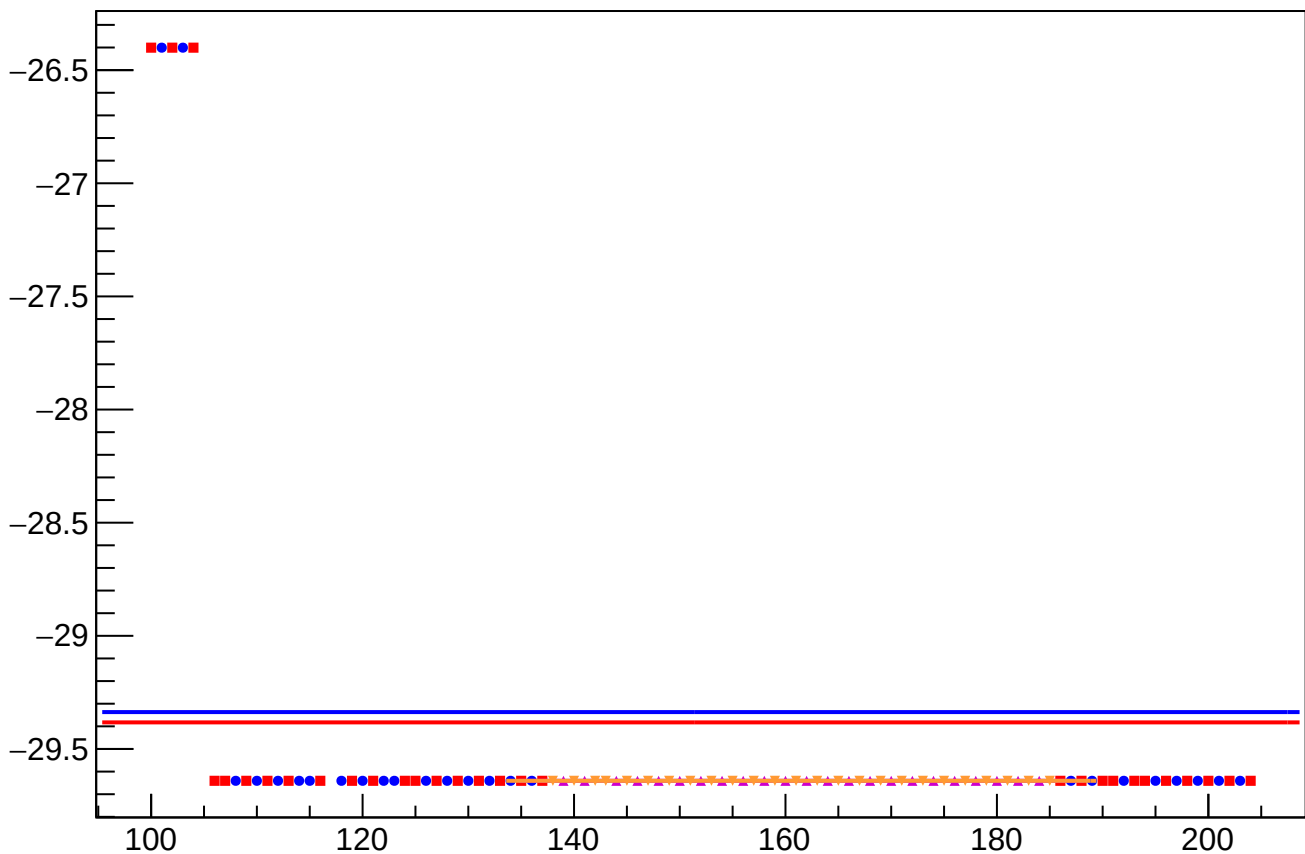
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 7134230.8/22

+ sign -19.532 $\pm$ 0.000 χ^2 /NDF: 241794904469658

All: -15.022 $\pm$ 0.000 χ^2 /NDF: 499564039558

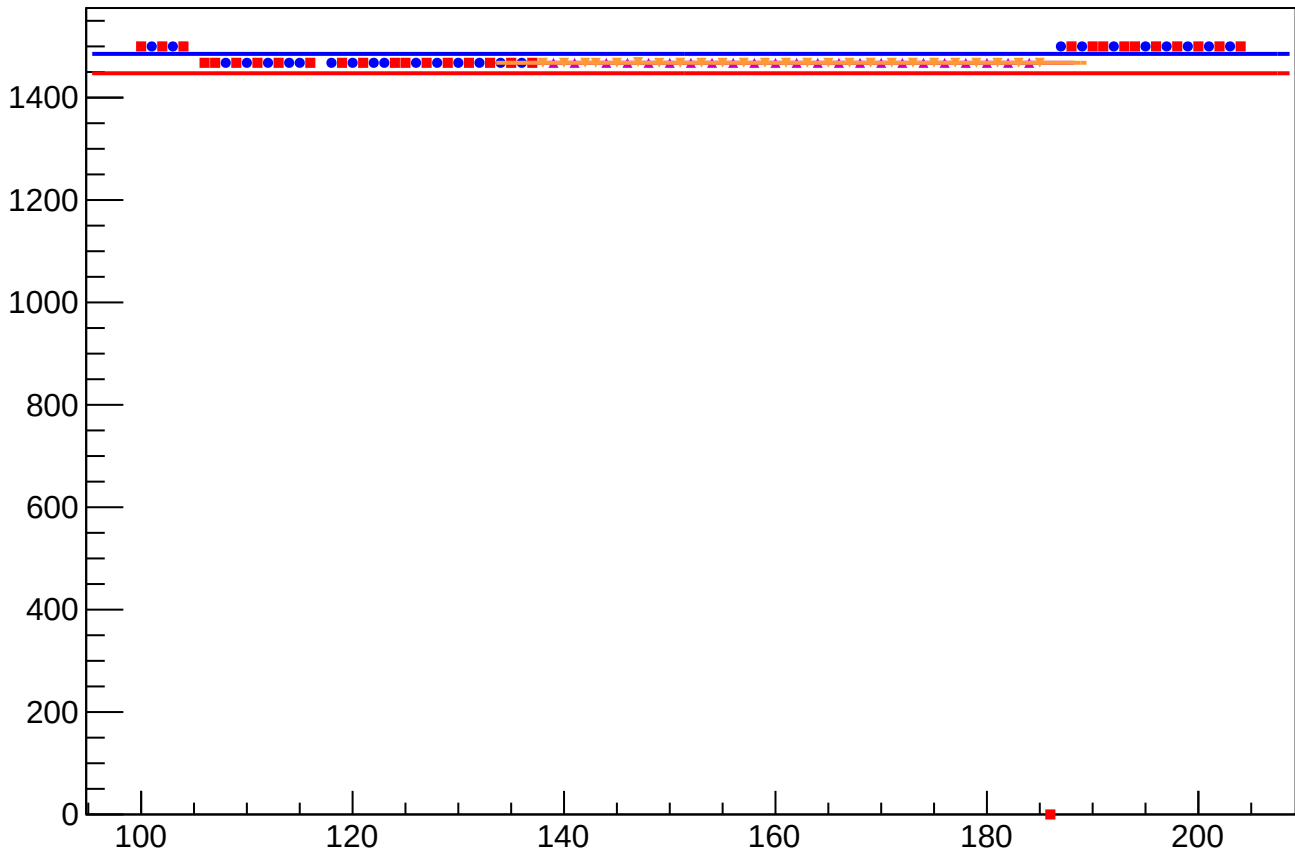
- sign -10.635 $\pm$ 0.000 χ^2 /NDF: 2564997647952556

epics_HWienAngles_mean vs Slug



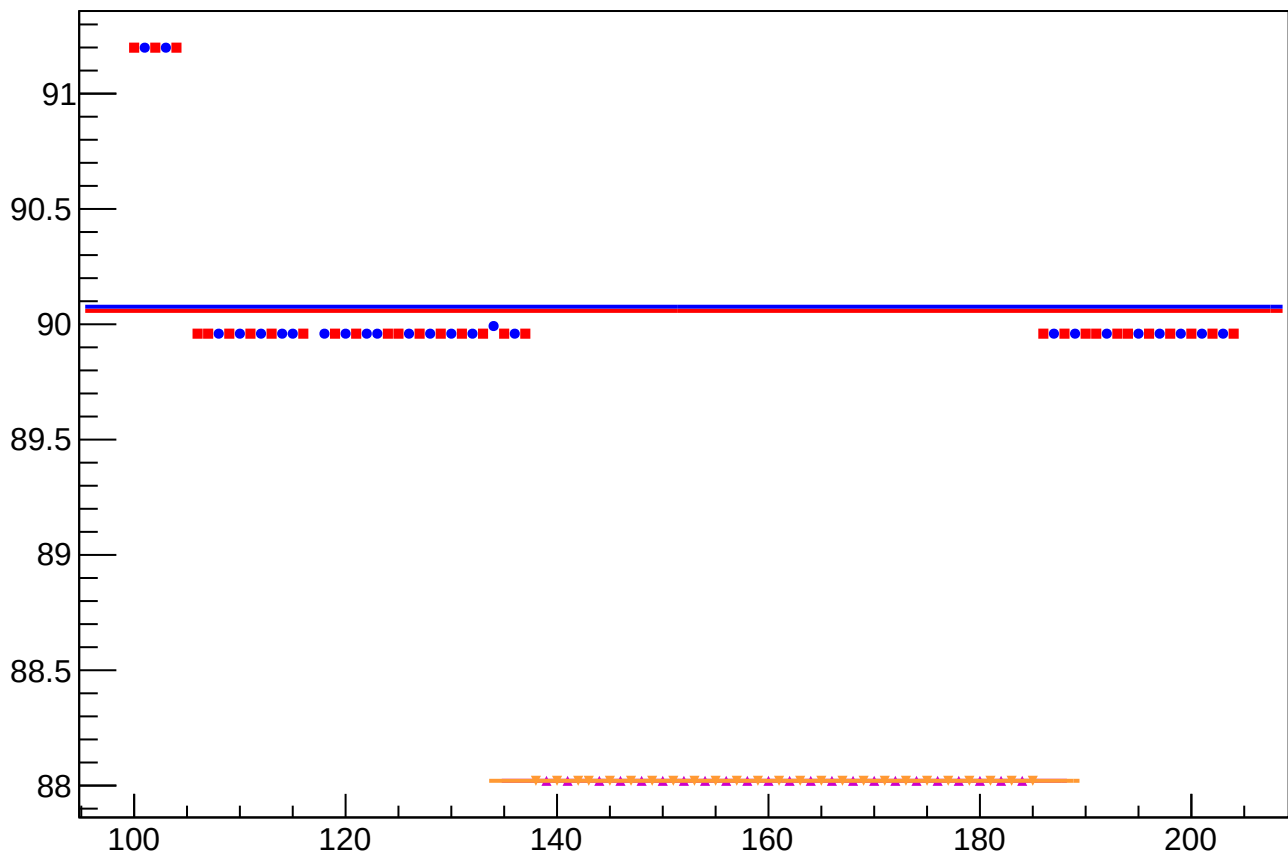
Right In: -29.337 ± 0.000 χ^2/NDF : 1122617846544874204334803109543936.0/24
 Left Out: -29.641 ± 0.000 χ^2/NDF : 530354.3/24
 Right Out: -29.383 ± 0.000 χ^2/NDF : 1120705318681308468467529792094208.0/29
 Left In: -29.641 ± 0.000 χ^2/NDF : 382603.8/22
 All: -29.523 ± 0.000 χ^2/NDF : 236684884488
 + sign -29.520 ± 0.000 χ^2/NDF : 119251939721869
 - sign -29.525 ± 0.000 χ^2/NDF : 1174285036162335

epics_psub_pl_poss_mean vs Slug



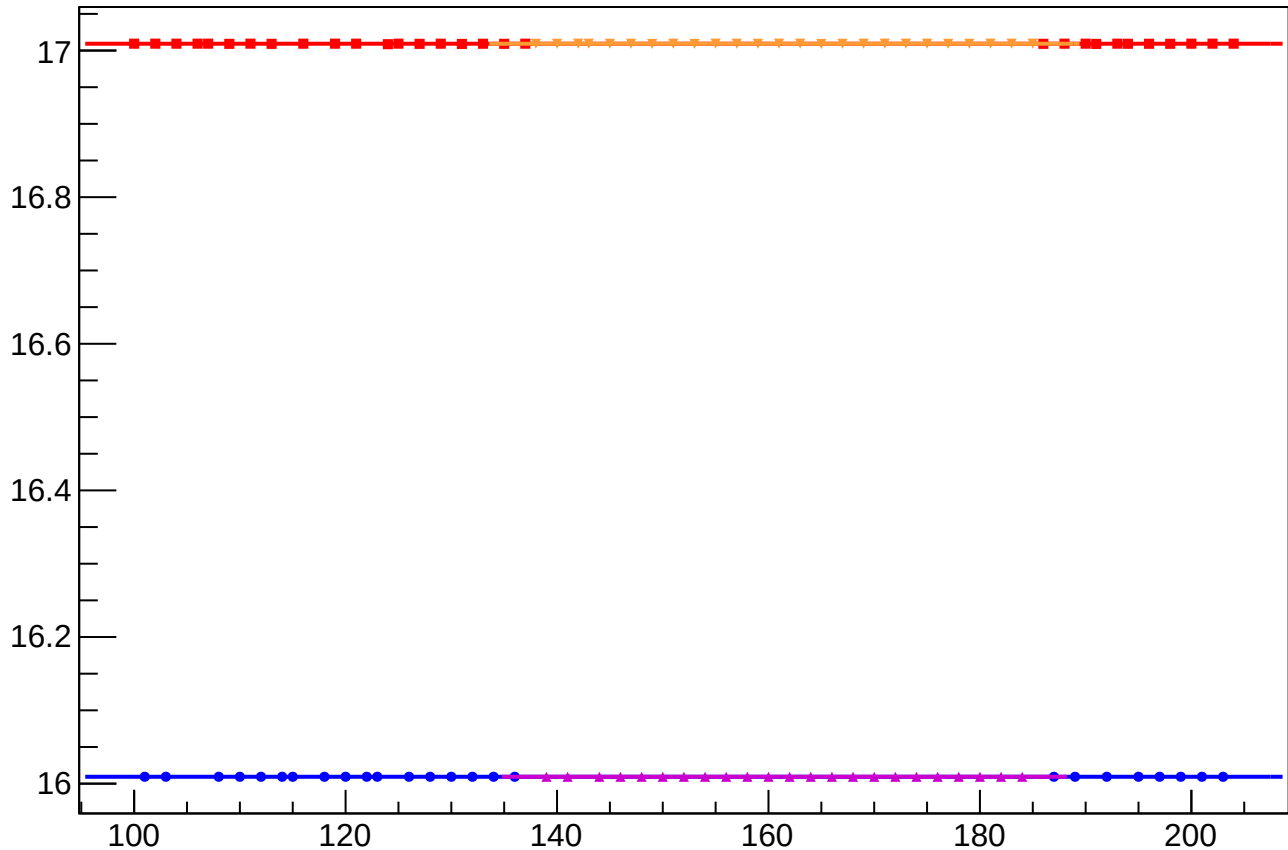
Right In: 1485.427+/-0.000 χ^2/NDF : 320135479729198739428803677731684352.0/24
 Left Out: 1468.048+/-0.000 χ^2/NDF : 127949199501977668488138456039424.0/24
 Right Out: 1447.569+/-0.000 χ^2/NDF : 82115665396300206073211861314958262272.0/29
 Left In: 1467.994+/-0.000 χ^2/NDF : 14449772795444989723550941184.0/22
 All: 1466.796+/-0.000 χ^2/NDF : 83416760747.0/29
 + sign 1474.963+/-0.000 χ^2/NDF : 54921295264660.0/24
 - sign 1458.849+/-0.000 χ^2/NDF : 82451117607144.0/24

epics_Phi_FGs_mean vs Slug



Right In: 90.076 $\pm$ 0.000 χ^2 /NDF: 164292838619764038862240609206272.0/24
 Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 5679798.5/24
 Right Out: 90.058 $\pm$ 0.000 χ^2 /NDF: 164151472527513781167318565388288.0/29
 Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 6257169.0/22
 + sign 88.839 $\pm$ 0.000 χ^2 /NDF: 3366591414581428
 All: 88.886 $\pm$ 0.000 χ^2 /NDF: 6882835935060
 - sign 88.933 $\pm$ 0.000 χ^2 /NDF: 3501974923437255

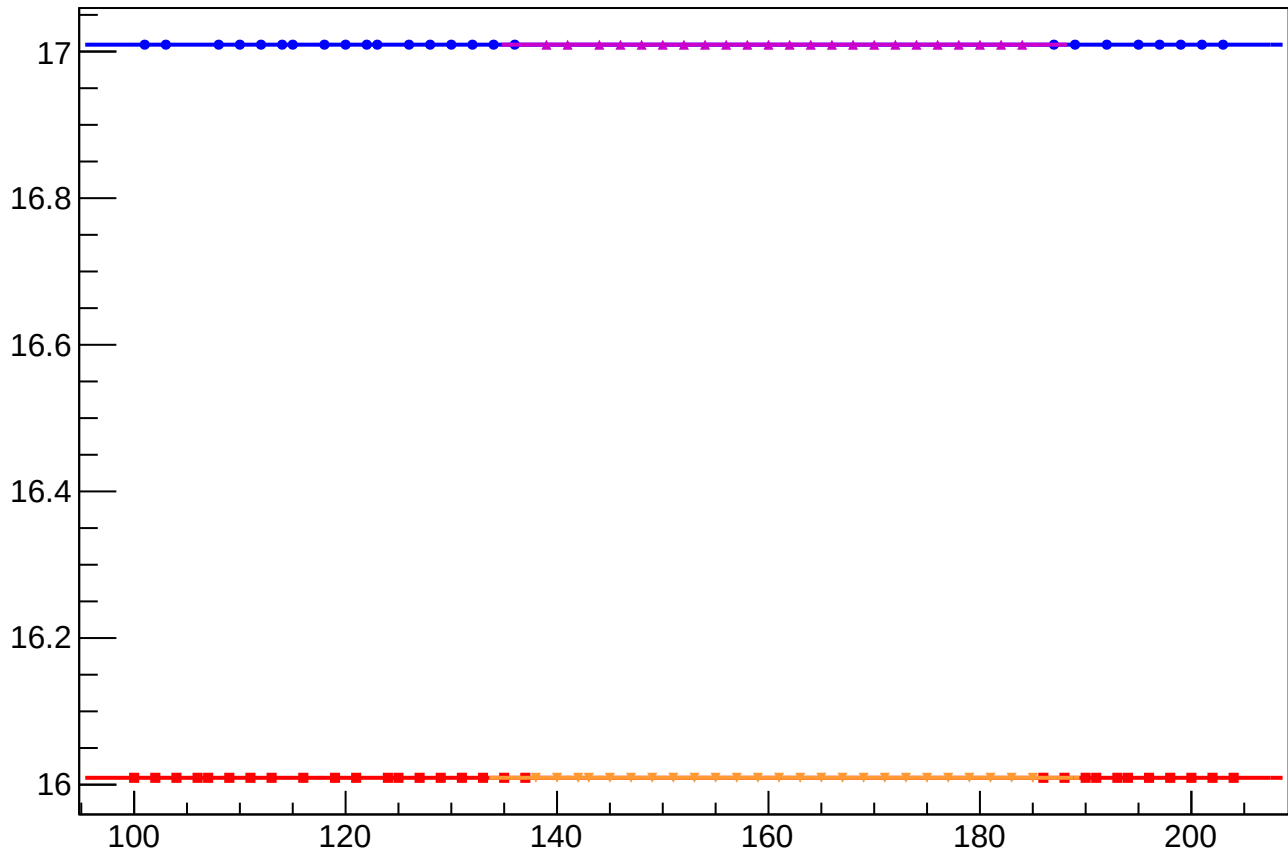
epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 112604327079546359644160.0/24
 Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 26194929080144976634970112.0/24
 Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 18087658344591480814829568.0/29
 Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127920993667935400624128.0/22

+ sign 16.600 $\pm$ 0.000 χ^2 /NDF: 7244997342908036
 All: 16.531 $\pm$ 0.000 χ^2 /NDF: 1510337083227
 - sign 16.464 $\pm$ 0.000 χ^2 /NDF: 7577660005001414

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009 $\pm$ 0.000 χ^2 /NDF: 112604327125149651304448.0/24

Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 61253.5/24

Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 255957.0/29

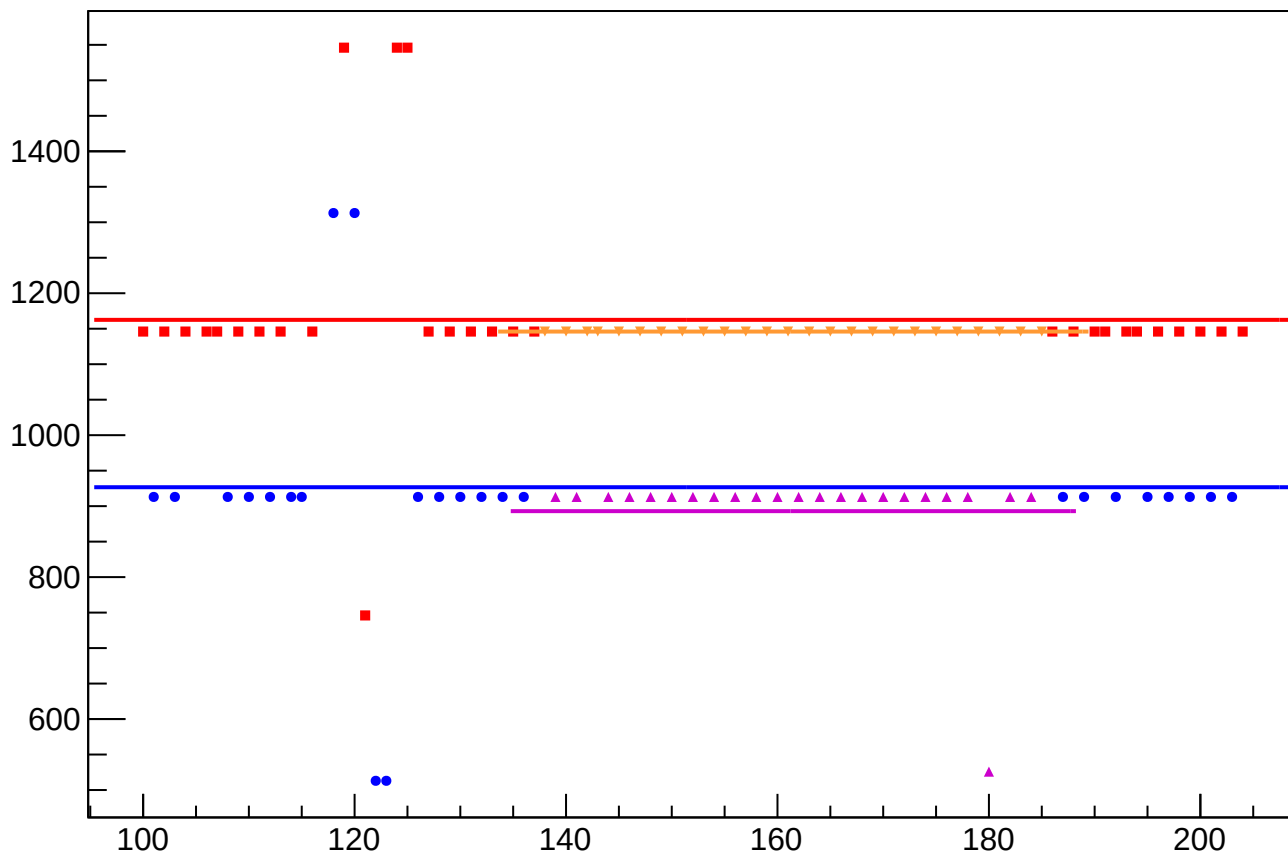
Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 114986101427233622065152.0/22

+ sign 16.404 $\pm$ 0.000 χ^2 /NDF: 7425917773857392

All: 16.481 $\pm$ 0.000 χ^2 /NDF: 157208281174

- sign 16.557 $\pm$ 0.000 χ^2 /NDF: 7928718575393348

epics_RTPAPOSUCNTs_mean vs Slug



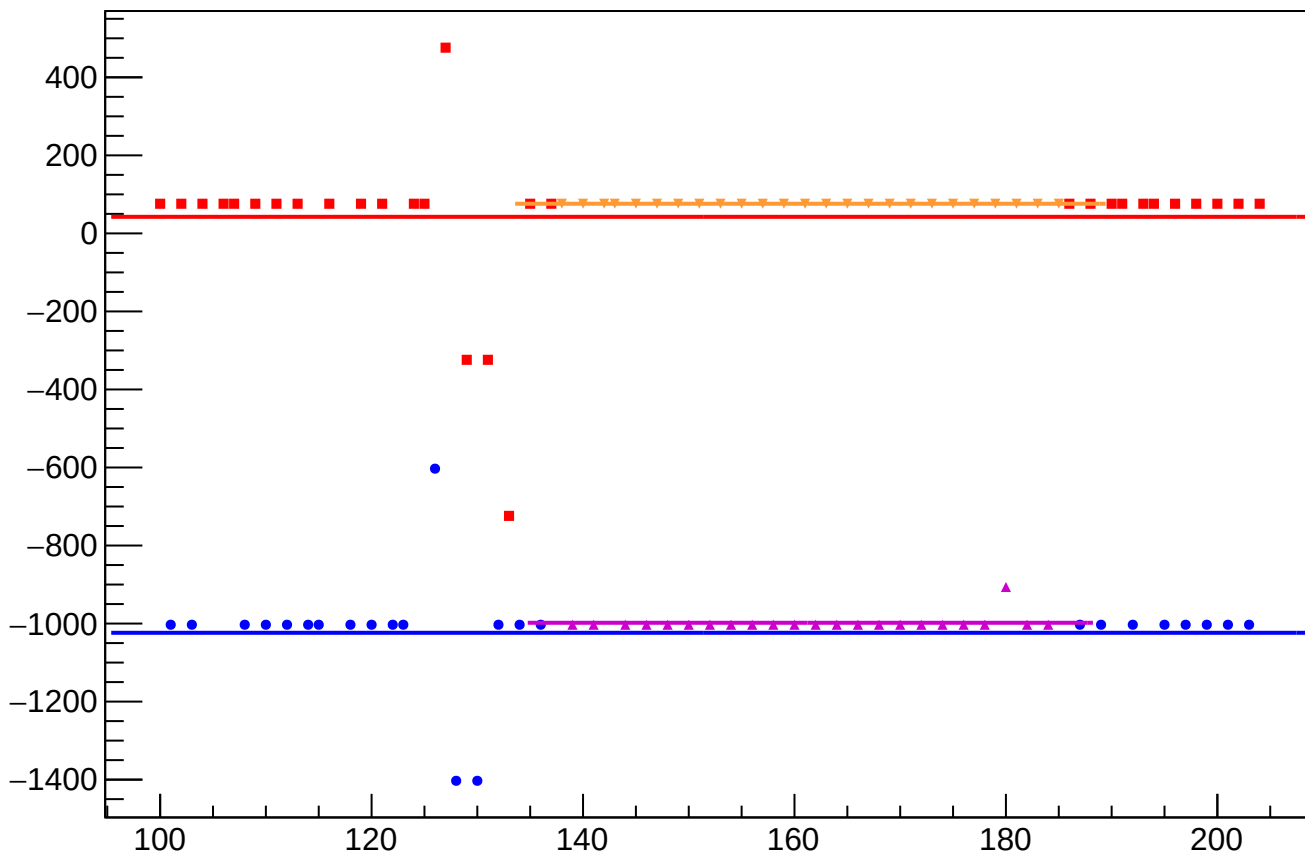
Right In: 926.657+/-0.000 χ^2/NDF : 21046354620191125675225052276693401600.0/24

Left Out: 1146.011+/-0.000 χ^2/NDF : 8056834670270133849999540224.0/24 + sign 1058.727+/-0.000 χ^2/NDF : 57519759382752

Right Out: 1162.494+/-0.000 χ^2/NDF : 21685108835366846090855465845996388352.0/29 All: 1035.870+/-0.000 χ^2/NDF : 15410165135

Left In: 892.950+/-0.000 χ^2/NDF : 13213852485930520518972295012897783808.0/22 - sign 1013.631+/-0.000 χ^2/NDF : 93320602089619

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1023.641+/-0.000 χ^2/NDF : 22662714308933685512270445050274512896.0/24

Left Out: 76.011+/-0.000 χ^2/NDF : 11479003589933272170007363584.0/24 + sign -361.556+/-0.000 χ^2/NDF : 93929384239045

Right Out: 42.494+/-0.000 χ^2/NDF : 45404140078183315085395812919057317888.0/29 All: -448.015+/-0.000 χ^2/NDF : 19027058318

Left In: -997.979+/-0.000 χ^2/NDF : 825858066518991041870194619245920256.0/22 - sign -532.134+/-0.000 χ^2/NDF : 916749582255307