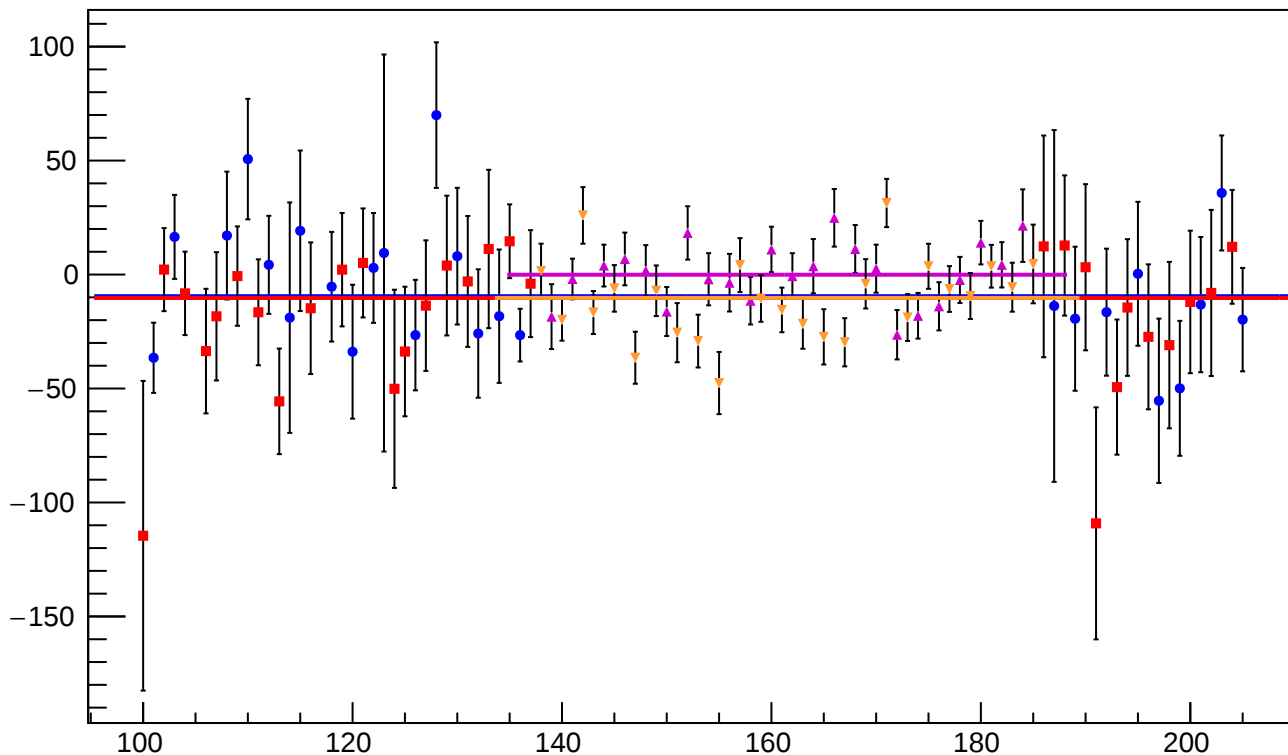


diff_bpm4aX_mean vs Slug



Right In: -9.494 ± 4.897

$\chi^2/\text{NDF}: 30.1/25$

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 -10.116 ± 1.984

$\chi^2/\text{NDF}: 88.3/50$

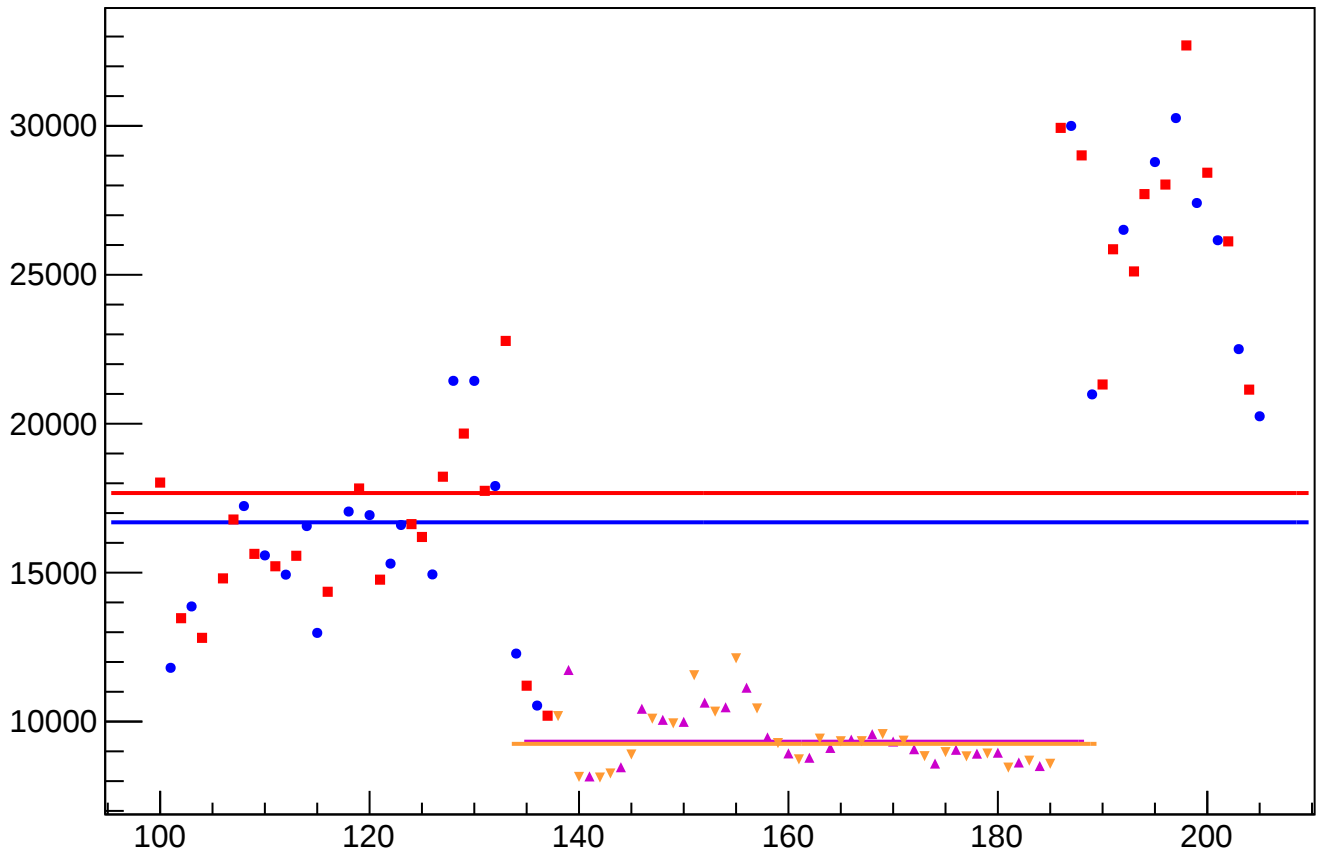
All: -6.107 ± 1.425

$\chi^2/\text{NDF}: 151.0/103$

- sign -1.833 ± 2.048

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

diff_bpm4aX_rms vs Slug



Right In: 16689.705+/-3.463 χ^2/NDF : 2559684.1/25

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

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

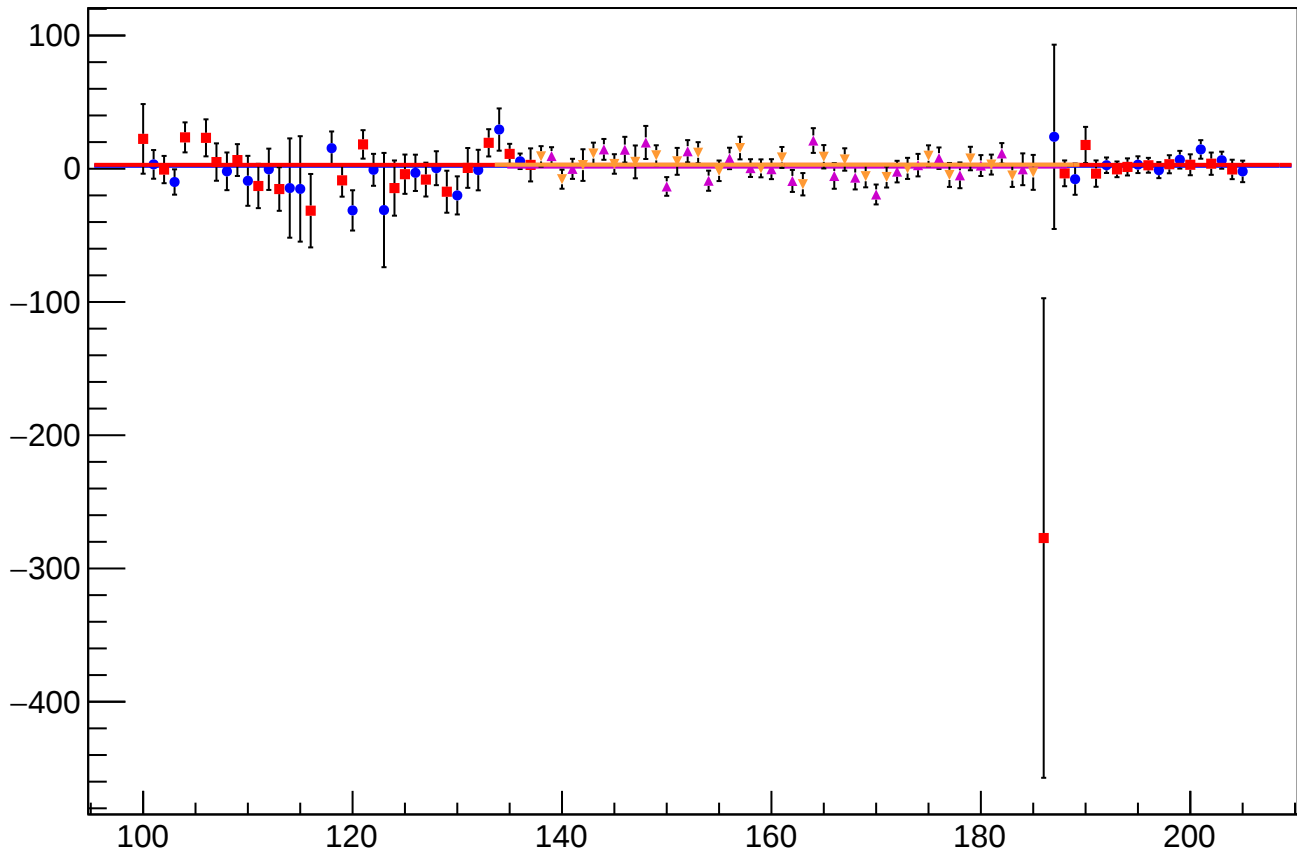
Left In: 9323.983+/-1.591 χ^2/NDF : 275717.0/22

+ sign 10472.641+/-1.403 χ^2/NDF : 6747866.7/50

All: 10610.192+/-1.008 χ^2/NDF : 14486788.3

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

diff_bpm4aY_mean vs Slug



Right In: 2.228 $\pm$ 1.894 χ^2 /NDF: 20.6/25

Left Out: 3.027 $\pm$ 1.661 χ^2 /NDF:18.6/24

Right Out: 2.942 $\pm$ 1.831 χ^2 /NDF: 25.2/29

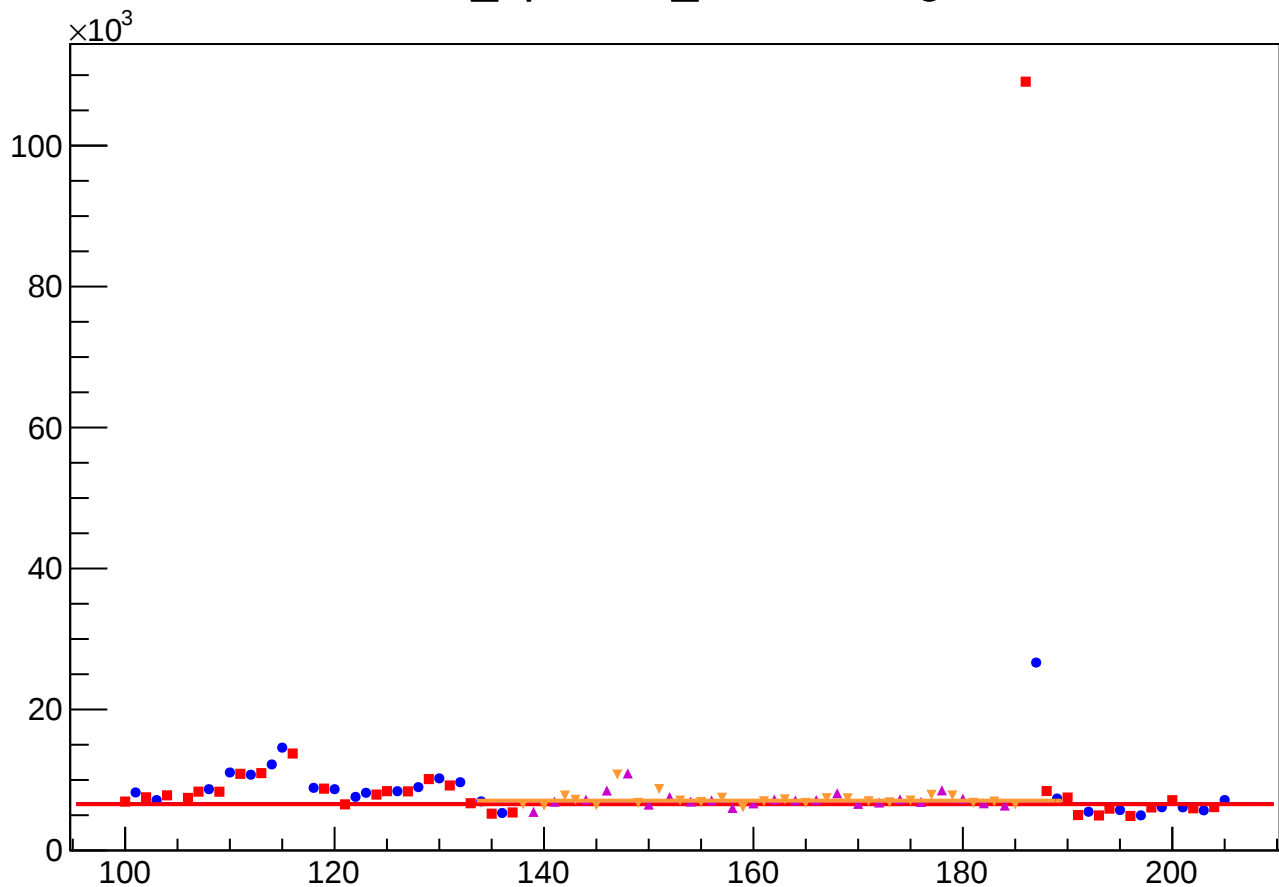
Left In: 1.588 $\pm$ 1.703 χ^2 /NDF:35.5/22

+ sign 2.680 $\pm$ 1.249 χ^2 /NDF: 39.2/50

All: 2.447 $\pm$ 0.882 χ^2 /NDF: 100.3/103

- sign 2.216 $\pm$ 1.247 χ^2 /NDF: 61.0/52

diff_bpm4aY_rms vs Slug



Right In: 6585.380 ± 1.339 $\chi^2/\text{NDF}: 1517768.7/25$

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

Right Out: 6568.361 ± 1.295 $\chi^2/\text{NDF}: 2099858.0/29$

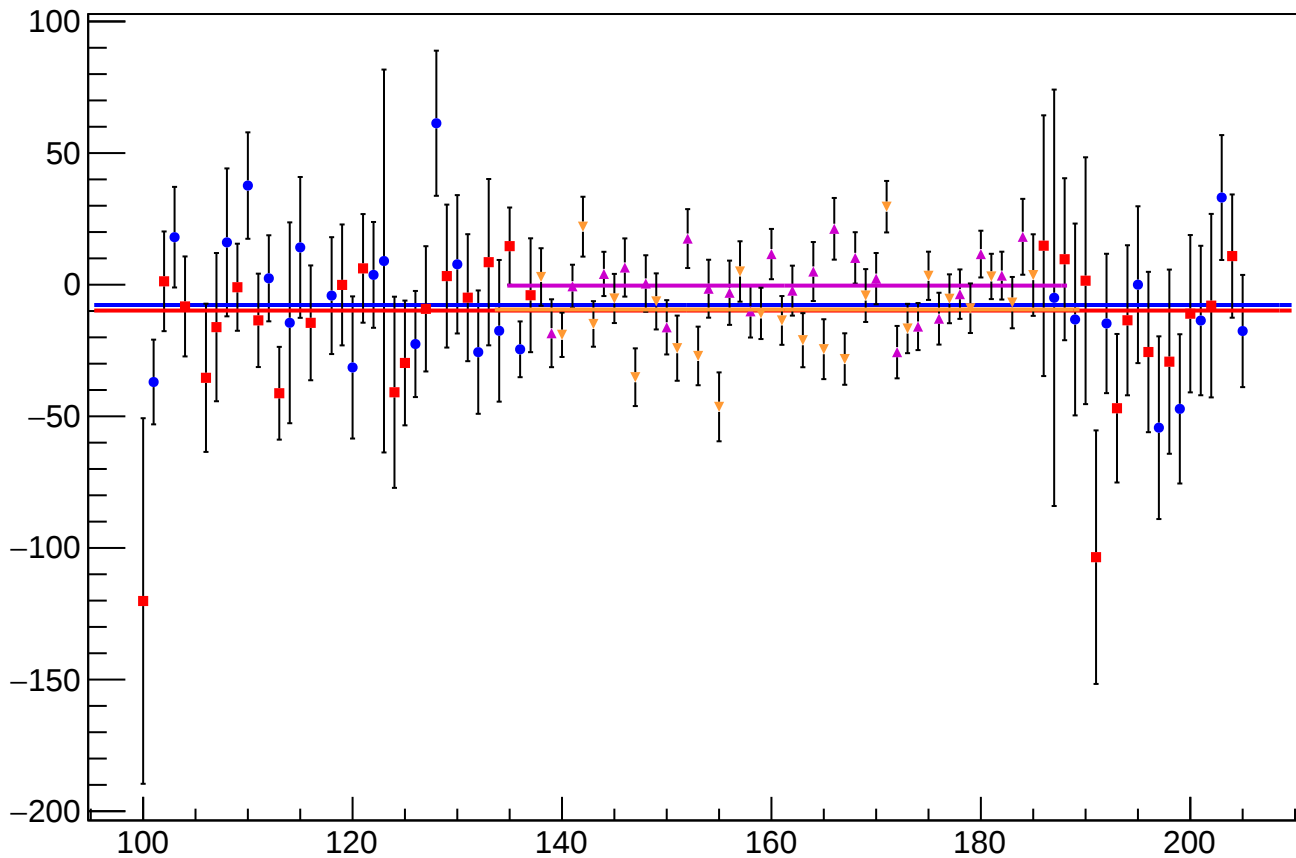
Left In: 7014.572 ± 1.204 $\chi^2/\text{NDF}: 525313.7/22$

+ sign 6856.240 ± 0.883 $\chi^2/\text{NDF}: 1976932.7/50$

All: 6831.934 ± 0.624 $\chi^2/\text{NDF}: 4667307.3/100$

- sign 6807.695 ± 0.882 $\chi^2/\text{NDF}: 2688860.9/52$

diff_bpm4eX_mean vs Slug



Right In: -7.711 ± 4.458 χ^2/NDF : 30.7/25

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

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

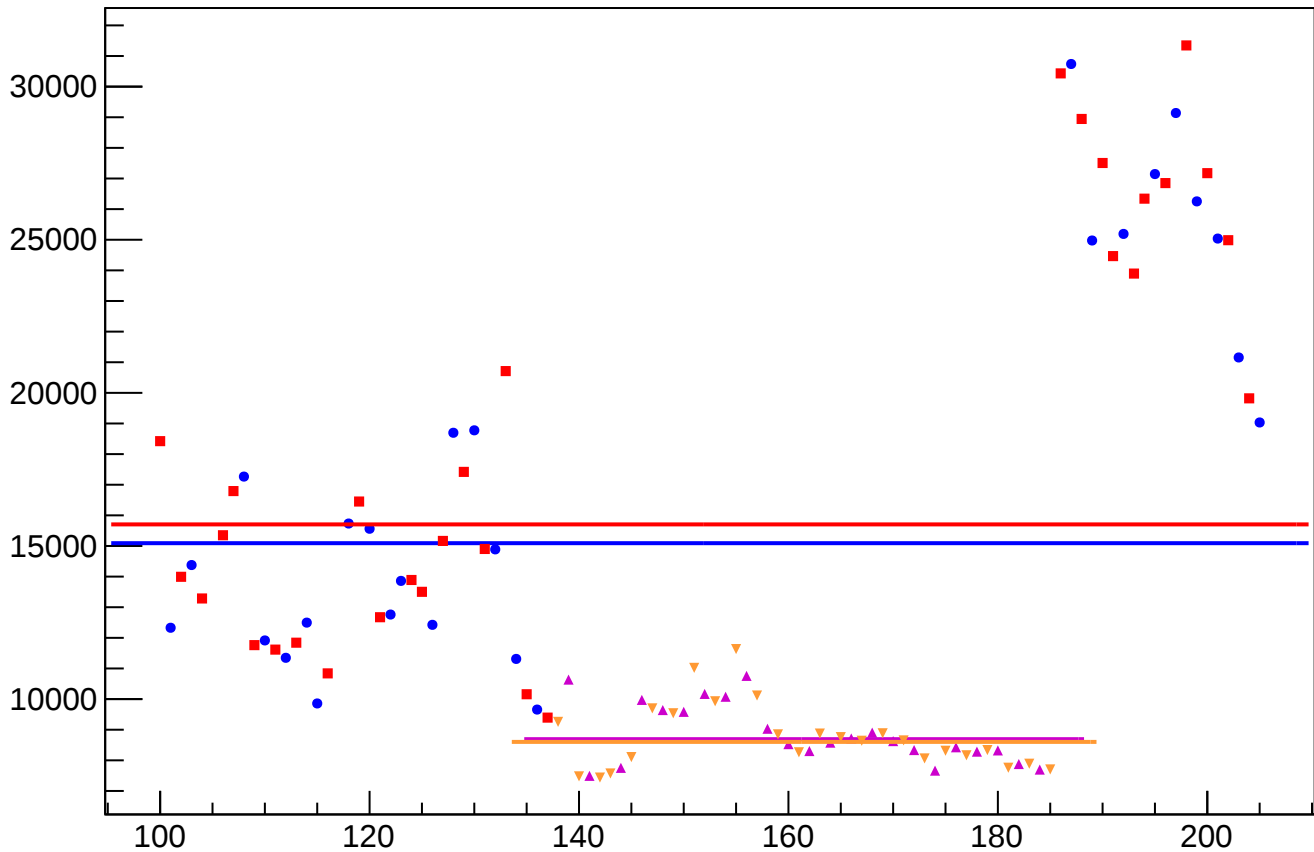
Left In: -0.344 ± 2.100 χ^2/NDF : 29.9/22

+ sign -9.121 ± 1.841 χ^2/NDF : 89.5/50

All: -5.706 ± 1.322 χ^2/NDF : 150.9/103

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

diff_bpm4eX_rms vs Slug



Right In: 15091.327+/-3.153 χ^2/NDF : 2944213.2/25

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

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

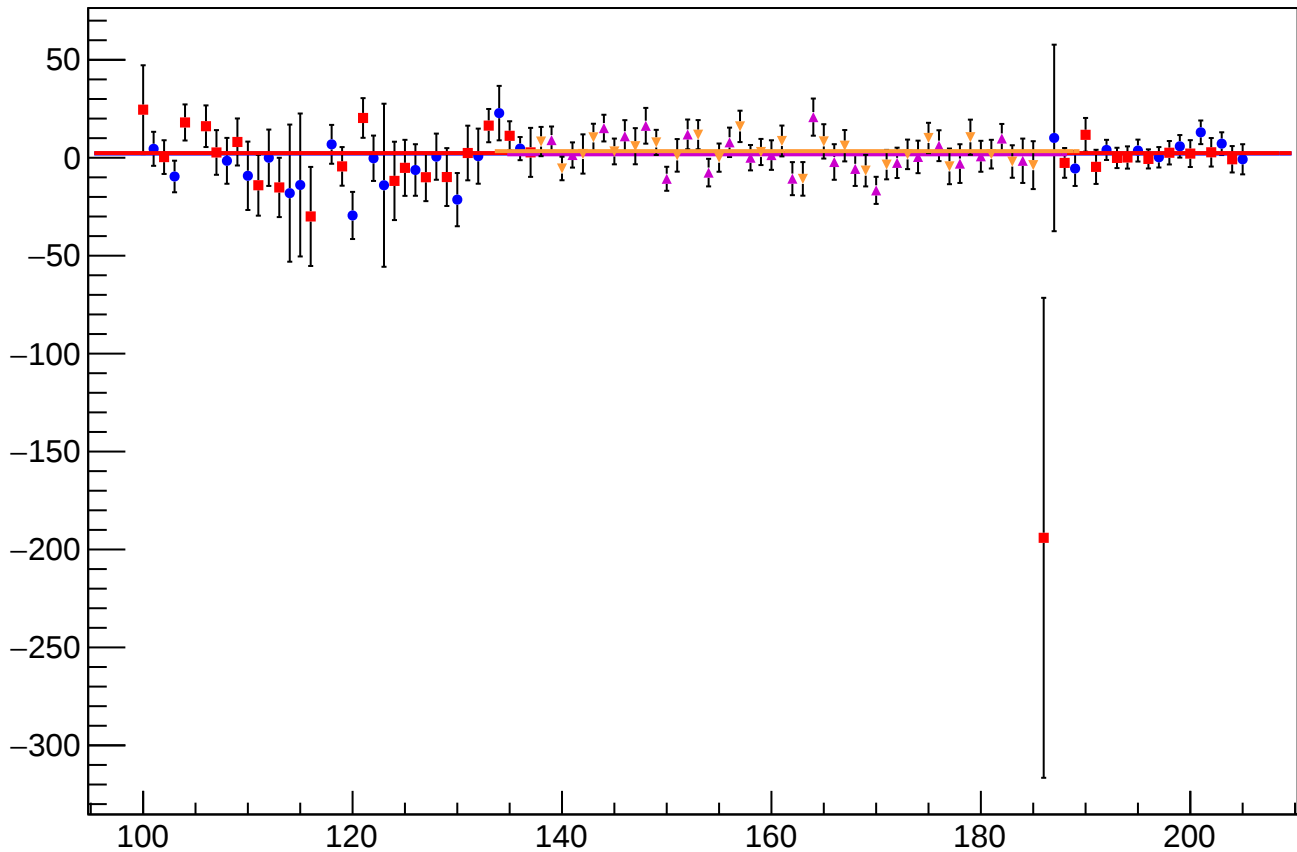
Left In: 8691.203+/-1.485 χ^2/NDF : 365254.6/22

+ sign 9708.319+/-1.302 χ^2/NDF : 6897642.9/50

All: 9833.195+/-0.935 χ^2/NDF : 14744278.1/100

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

diff_bpm4eY_mean vs Slug



Right In: 2.153 ± 1.686 χ^2/NDF : 22.0/25

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

Right Out: 2.390 ± 1.607 χ^2/NDF : 25.9/29

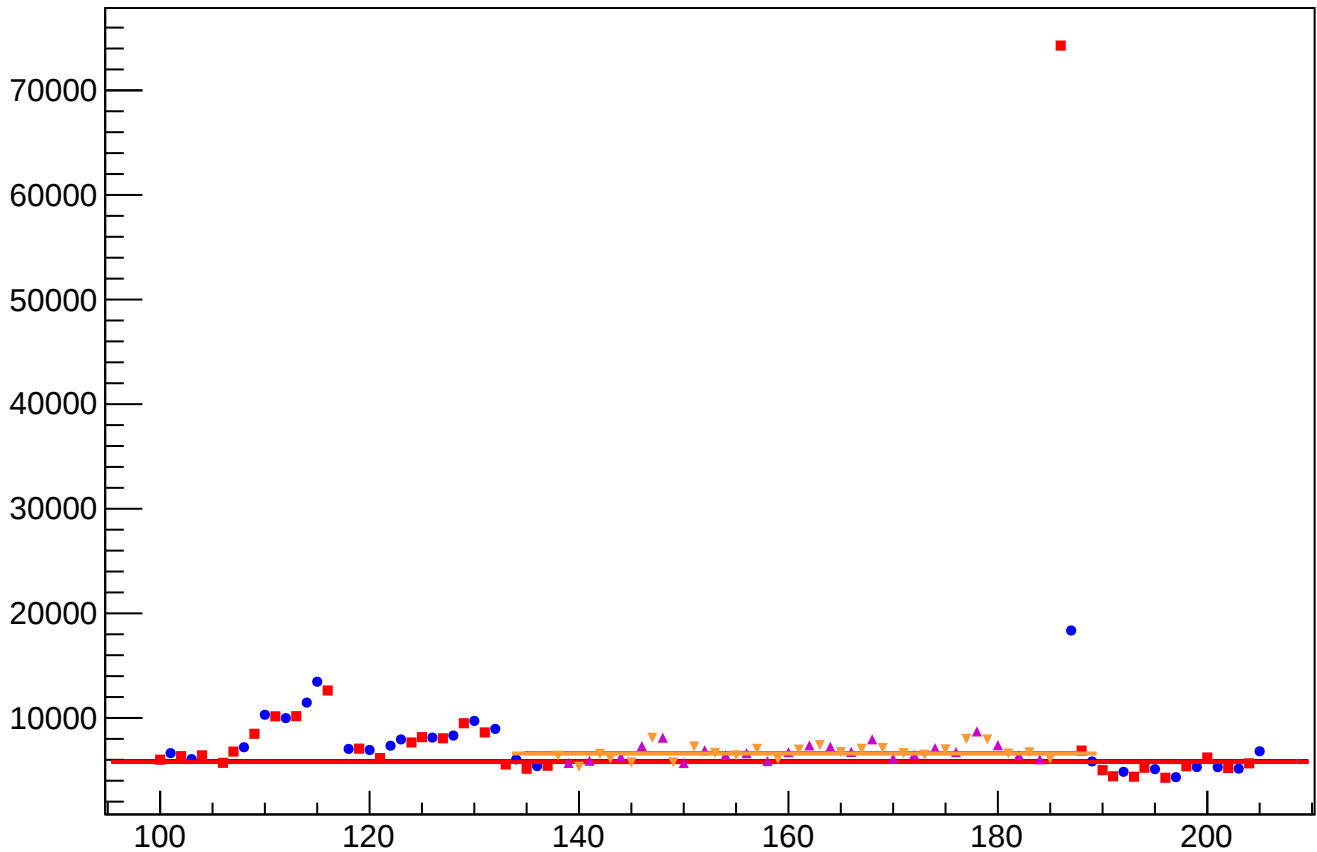
Left In: 1.756 ± 1.607 χ^2/NDF : 33.5/22

+ sign 2.814 ± 1.142 χ^2/NDF : 39.5/50

All: 2.442 ± 0.805 χ^2/NDF : 99.2/103

- sign 2.073 ± 1.136 χ^2/NDF : 59.5/52

diff_bpm4eY_rms vs Slug



Right In: 5875.528+/-1.192 χ^2/NDF : 1492294.5/25

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

Right Out: 5785.818+/-1.136 χ^2/NDF : 2129236.5/29

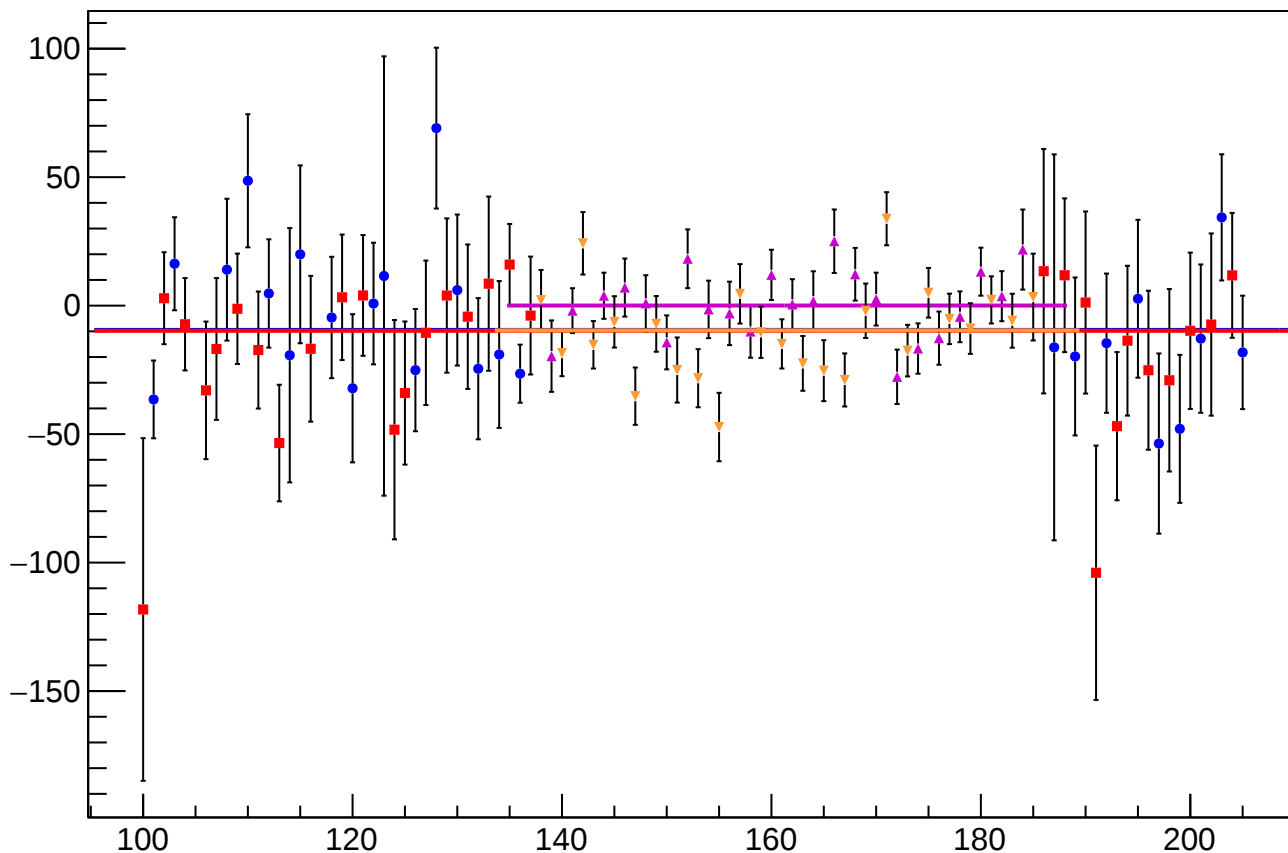
Left In: 6637.155+/-1.136 χ^2/NDF : 415547.5/22

+ sign 6269.940+/-0.807 χ^2/NDF : 2089614.3/50

All: 6240.552+/-0.570 χ^2/NDF : 4917712.2/10

- sign 6211.452+/-0.803 χ^2/NDF : 2825461.5/52

diff_bpm4acX_mean vs Slug



Right In: -9.446 ± 4.792 χ^2/NDF : 29.8/25

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

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

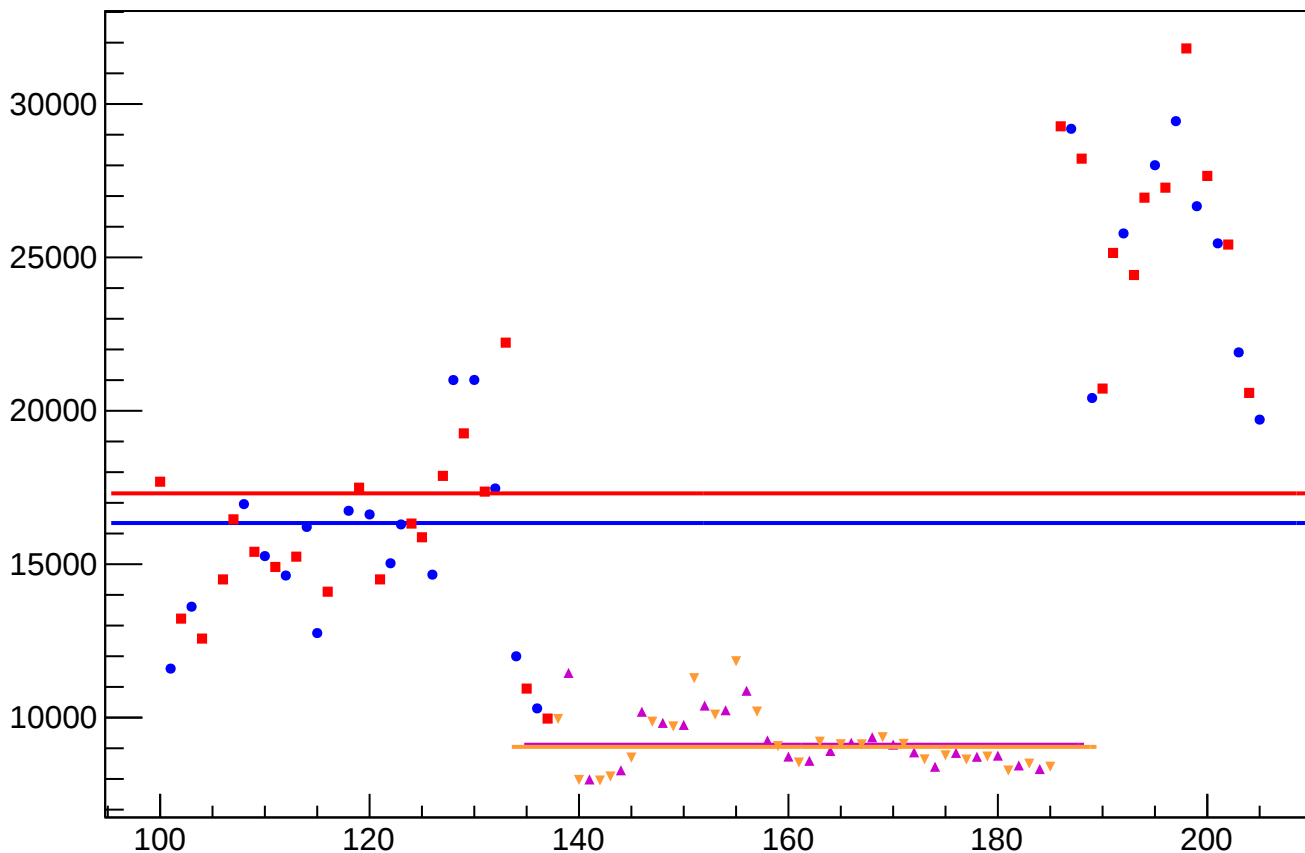
Left In: 0.042 ± 2.200 χ^2/NDF : 30.8/22

+ sign -9.608 ± 1.940 χ^2/NDF : 89.7/50

All: -5.751 ± 1.393 χ^2/NDF : 153.0/103

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

diff_bpm4acX_rms vs Slug



Right In: 16342.206+/-3.388 χ^2/NDF : 2524031.7/25

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

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

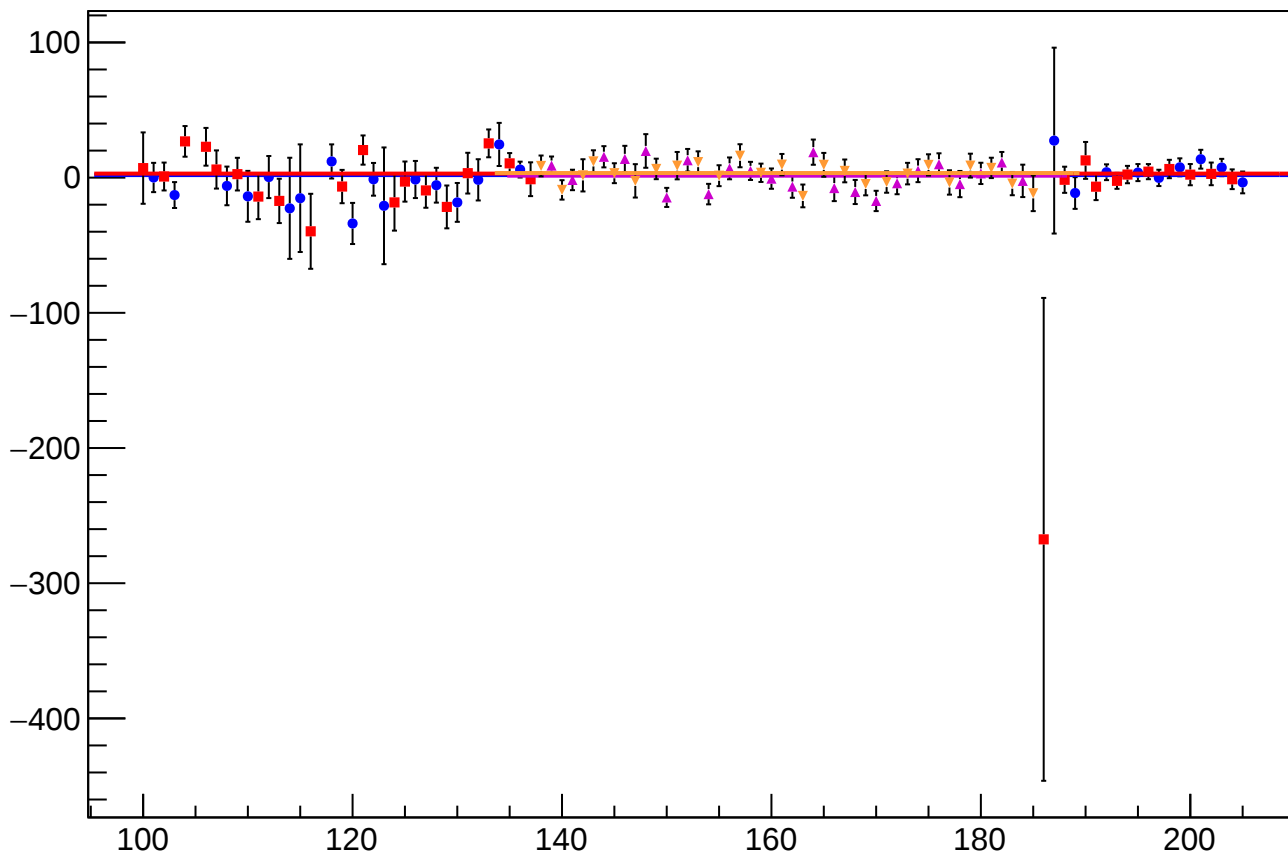
Left In: 9115.817+/-1.556 χ^2/NDF : 272471.8/22

+ sign 10241.886+/-1.372 χ^2/NDF : 6729467.2/50

All: 10376.322+/-0.985 χ^2/NDF : 14450102.4

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

diff_bpm4acY_mean vs Slug



Right In: 1.887 ± 1.901 χ^2/NDF : 22.0/25

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

Right Out: 2.983 ± 1.839 χ^2/NDF : 30.5/29

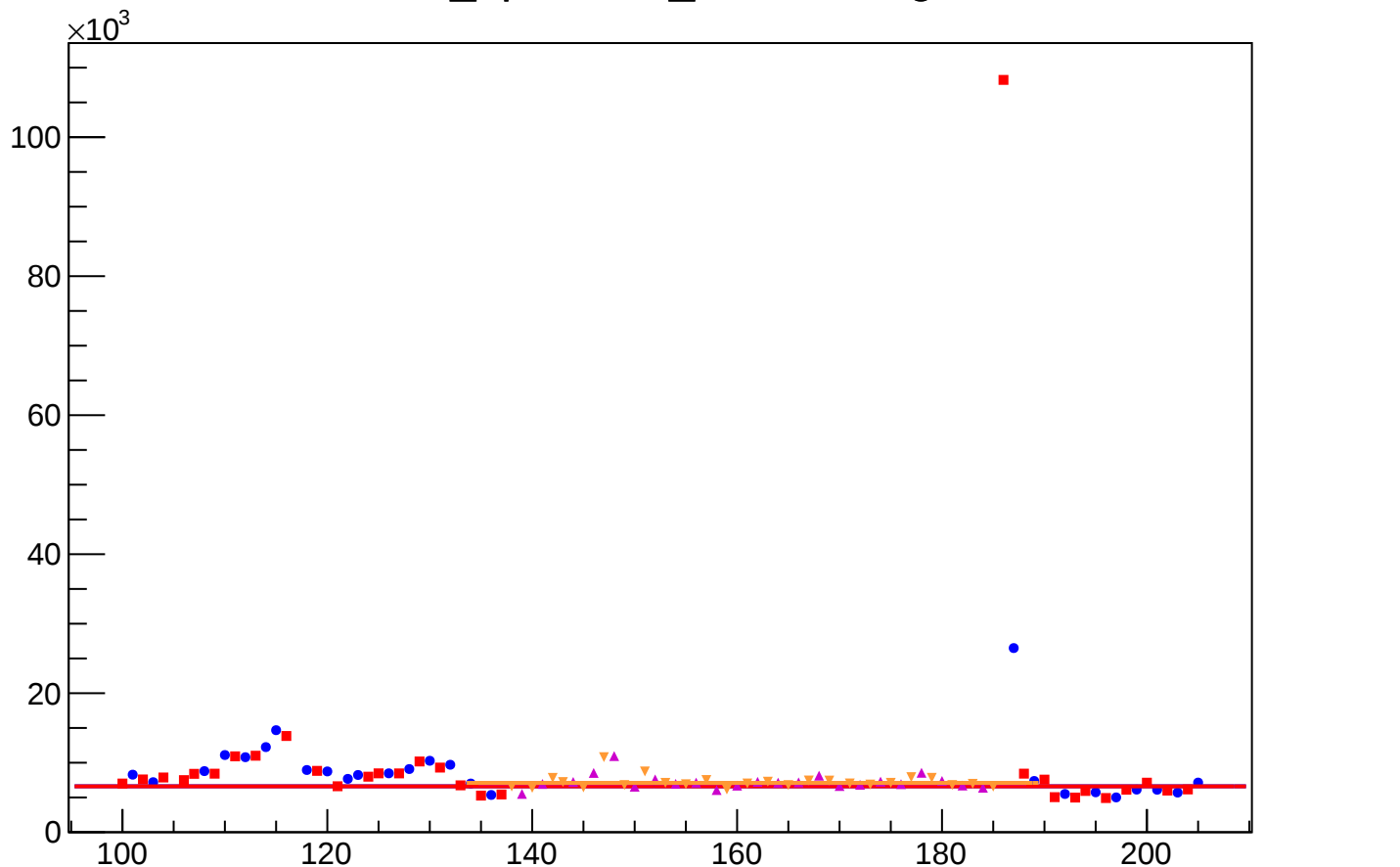
Left In: 1.479 ± 1.710 χ^2/NDF : 36.7/22

+ sign 2.734 ± 1.254 χ^2/NDF : 41.8/50

All: 2.455 ± 0.886 χ^2/NDF : 109.5/103

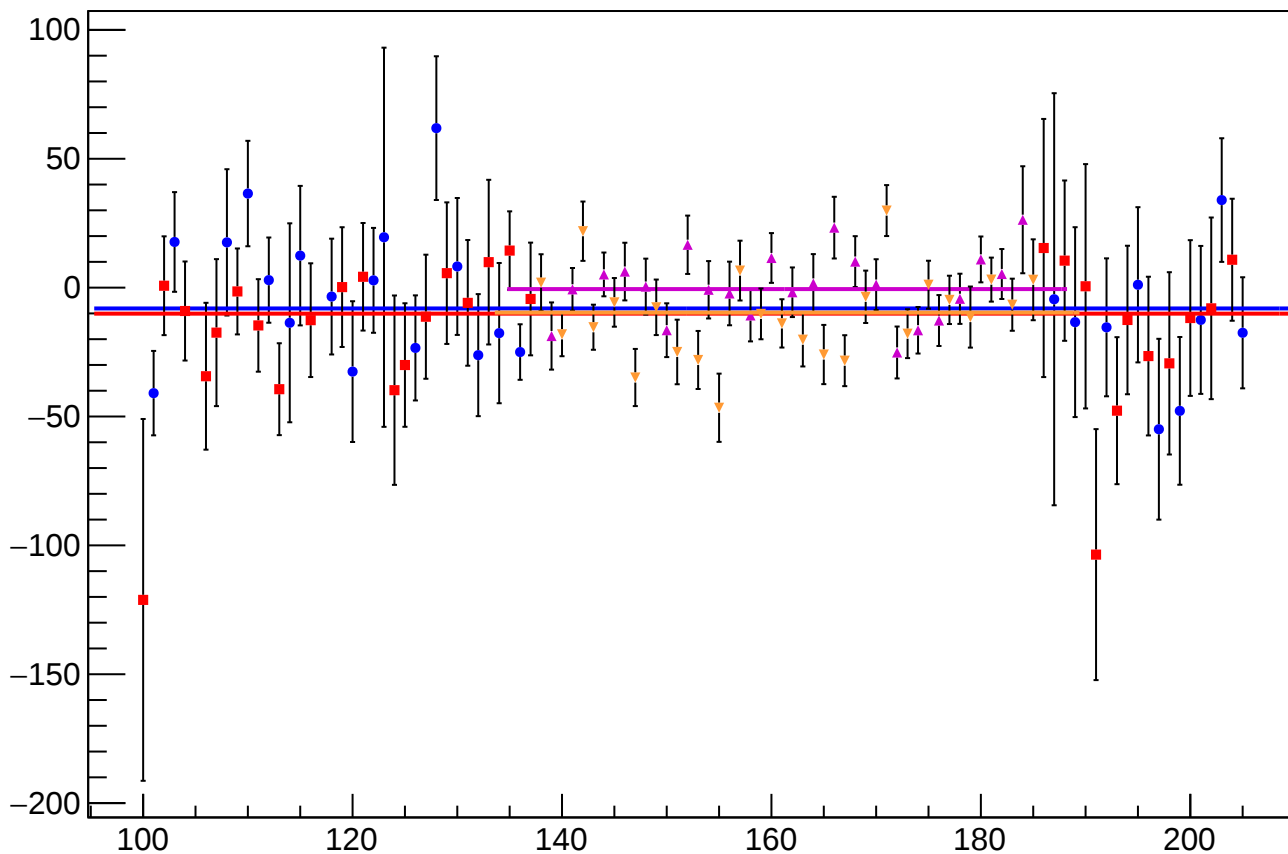
- sign 2.177 ± 1.252 χ^2/NDF : 67.6/52

diff_bpm4acY_rms vs Slug



Right In: 6609.961 ± 1.344 $\chi^2/\text{NDF}: 1526176.7/25$ + sign 6884.809 ± 0.887 $\chi^2/\text{NDF}: 1982096.2/50$
 Left Out: 7096.350 ± 1.179 $\chi^2/\text{NDF}: 381942.1/24$ All: 6861.726 ± 0.627 $\chi^2/\text{NDF}: 4669714.1/10$
 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: -8.079 ± 4.516 χ^2/NDF : 31.3/25

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

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

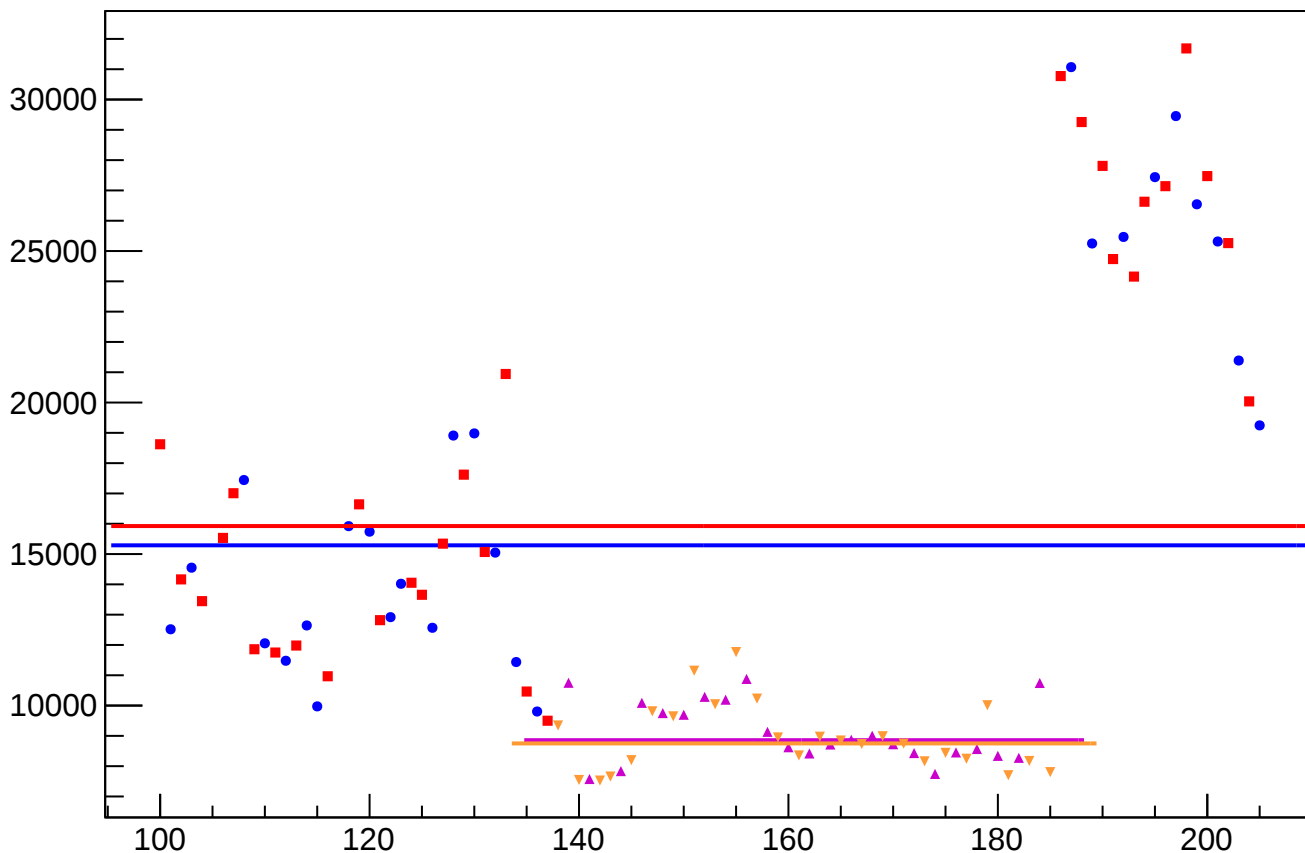
Left In: -0.564 ± 2.144 χ^2/NDF : 29.7/22

+ sign -9.396 ± 1.875 χ^2/NDF : 89.3/50

All: -5.971 ± 1.347 χ^2/NDF : 149.2/103

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

diff_bpm4ecX_rms vs Slug



Right In: 15288.021+/-3.193 χ^2/NDF : 2924994.6/25

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

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

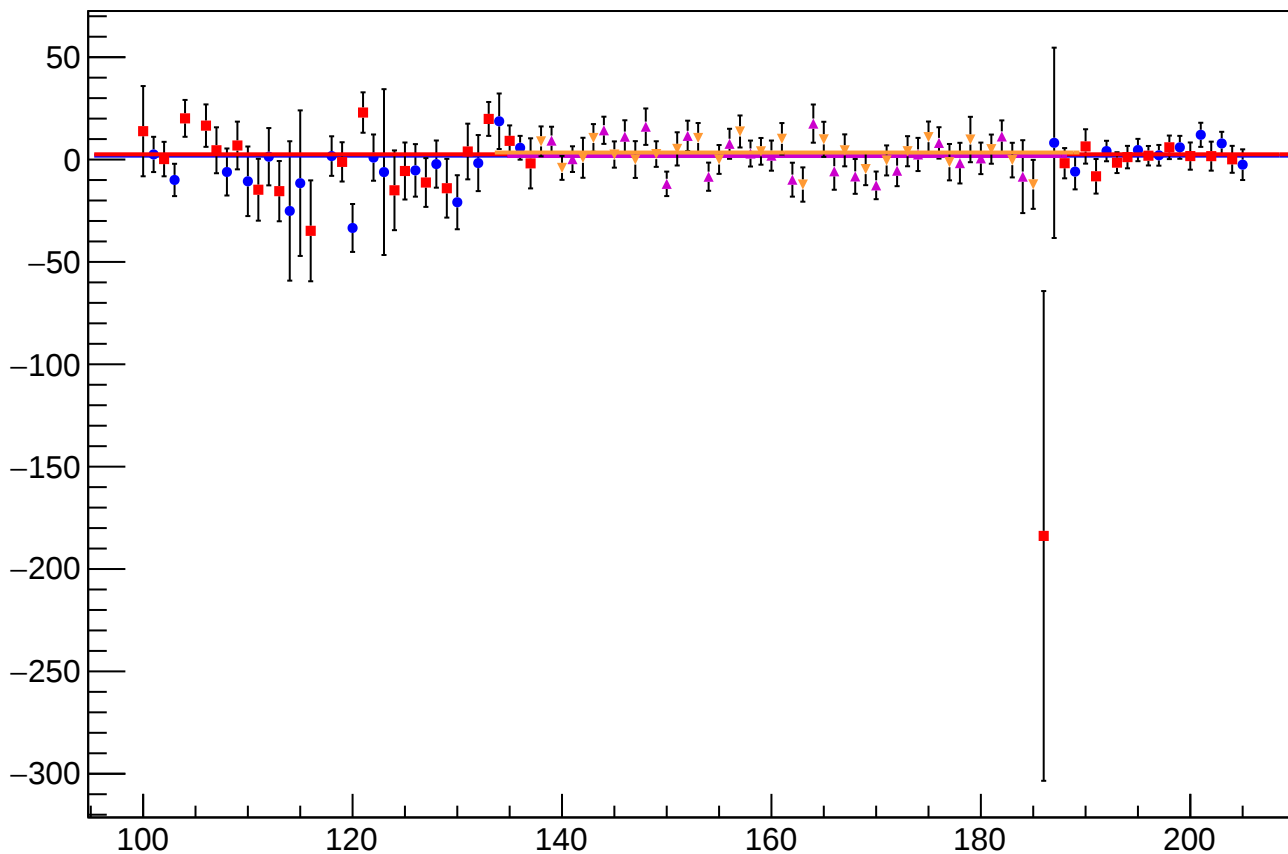
Left In: 8857.329+/-1.516 χ^2/NDF : 361778.8/22

+ sign 9877.056+/-1.326 χ^2/NDF : 6858099.0/50

All: 10012.278+/-0.952 χ^2/NDF : 14612663.7

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

diff_bpm4ecY_mean vs Slug



Right In: 1.916 ± 1.645 χ^2/NDF : 24.9/25

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

Right Out: 2.565 ± 1.567 χ^2/NDF : 30.6/29

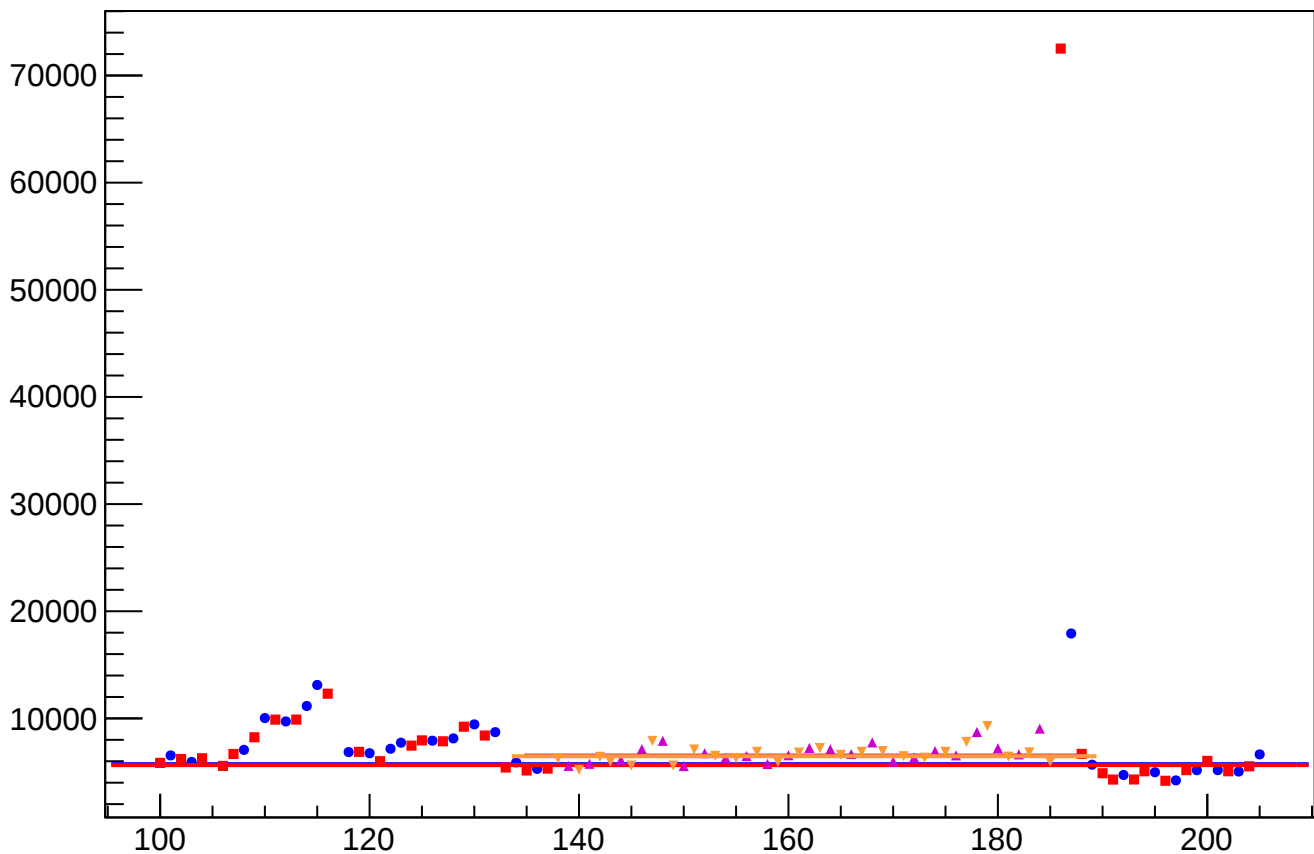
Left In: 1.734 ± 1.586 χ^2/NDF : 33.6/22

+ sign 2.731 ± 1.119 χ^2/NDF : 41.6/50

All: 2.442 ± 0.790 χ^2/NDF : 106.1/103

- sign 2.155 ± 1.115 χ^2/NDF : 64.3/52

diff_bpm4ecY_rms vs Slug



Right In: 5728.256 ± 1.163 $\chi^2/\text{NDF}: 1498463.3/25$

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

Right Out: 5638.917 ± 1.108 $\chi^2/\text{NDF}: 2120016.6/29$

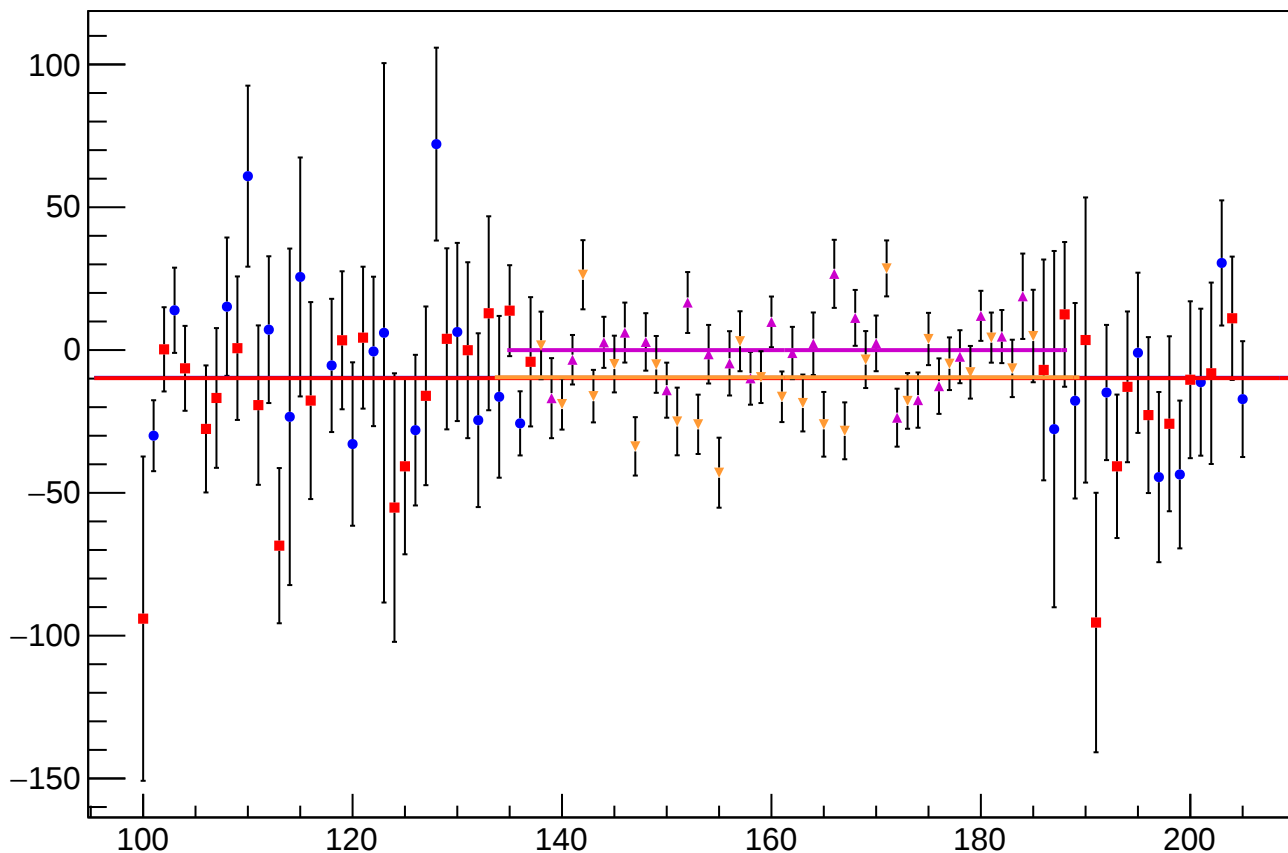
Left In: 6530.954 ± 1.121 $\chi^2/\text{NDF}: 464668.6/22$

+ sign 6126.394 ± 0.791 $\chi^2/\text{NDF}: 2203595.2/50$

All: 6102.884 ± 0.558 $\chi^2/\text{NDF}: 5110276.8/10$

- sign 6079.543 ± 0.788 $\chi^2/\text{NDF}: 2904921.1/52$

diff_bpm1X_mean vs Slug



Right In: -9.729 ± 4.608 χ^2/NDF : 29.0/25

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

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

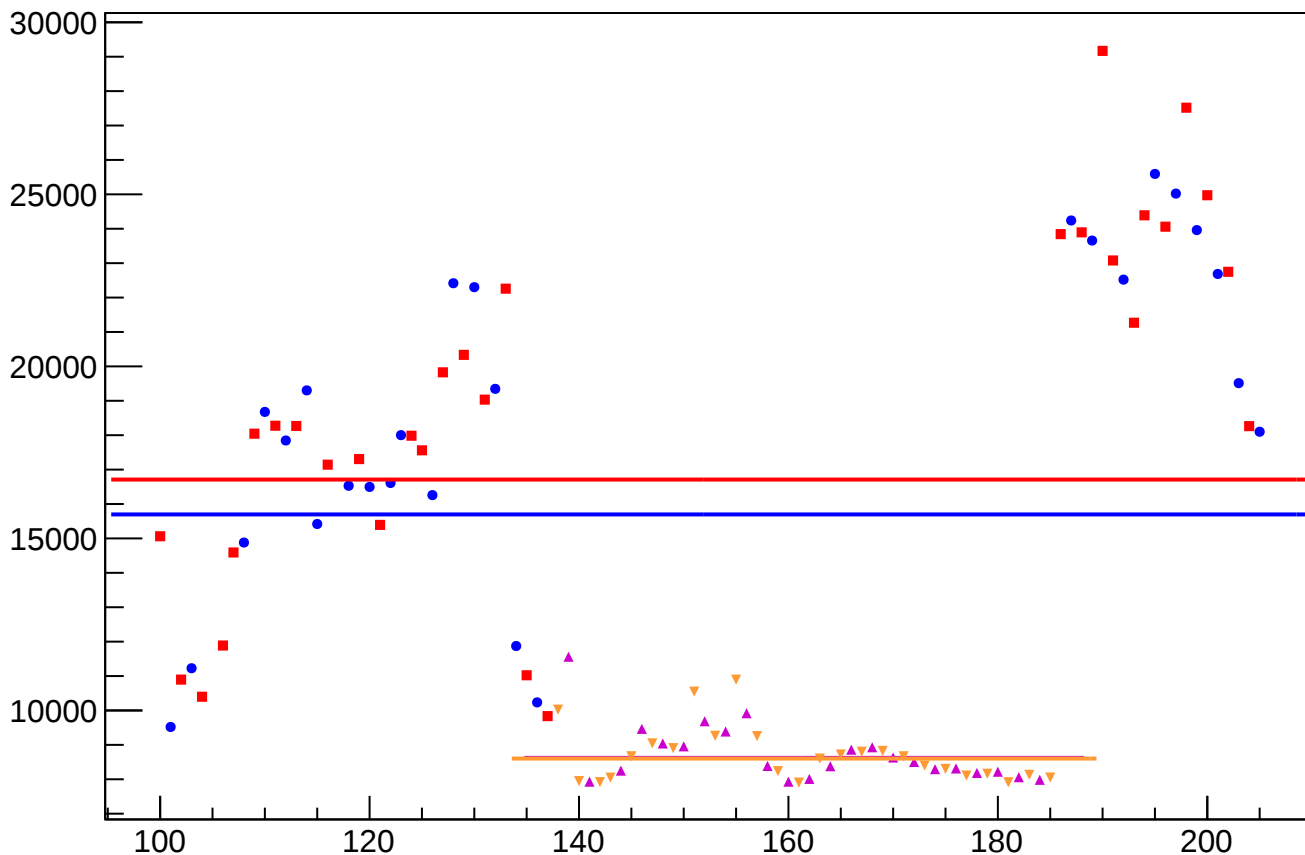
Left In: -0.027 ± 2.080 χ^2/NDF : 29.9/22

+ sign -9.561 ± 1.846 χ^2/NDF : 88.6/50

All: -5.719 ± 1.324 χ^2/NDF : 152.5/103

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

diff_bpm1X_rms vs Slug



Right In: 15697.257+/-3.259 χ^2/NDF : 2628593.5/25

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

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

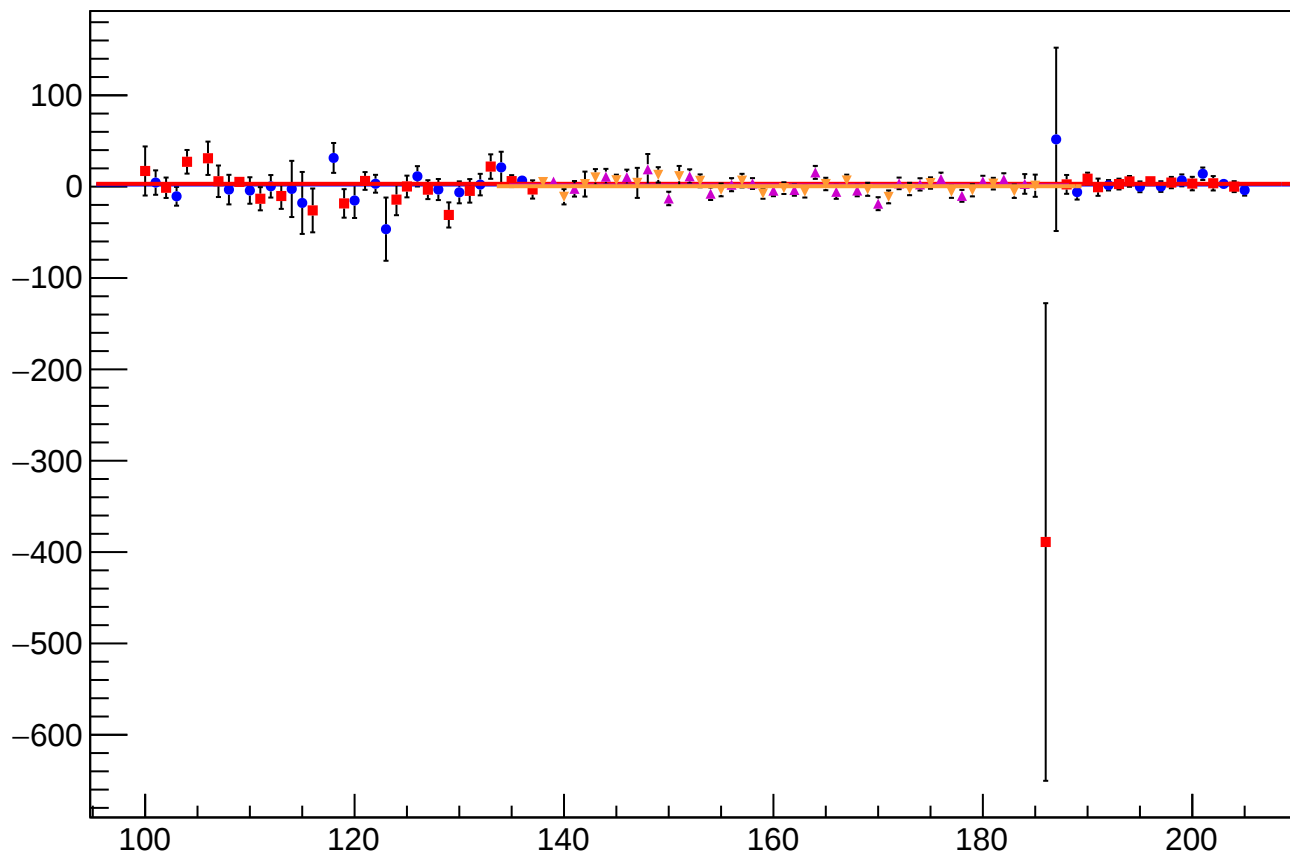
Left In: 8621.975+/-1.471 χ^2/NDF : 230824.4/22

+ sign 9740.973+/-1.306 χ^2/NDF : 6857599.1/50

All: 9847.909+/-0.936 χ^2/NDF : 14757285.9/1

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

diff_bpm1Y_mean vs Slug



Right In: 2.347 $\pm$ 1.714 χ^2 /NDF: 17.9/25

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

Right Out: 3.109 $\pm$ 1.598 χ^2 /NDF: 27.0/29

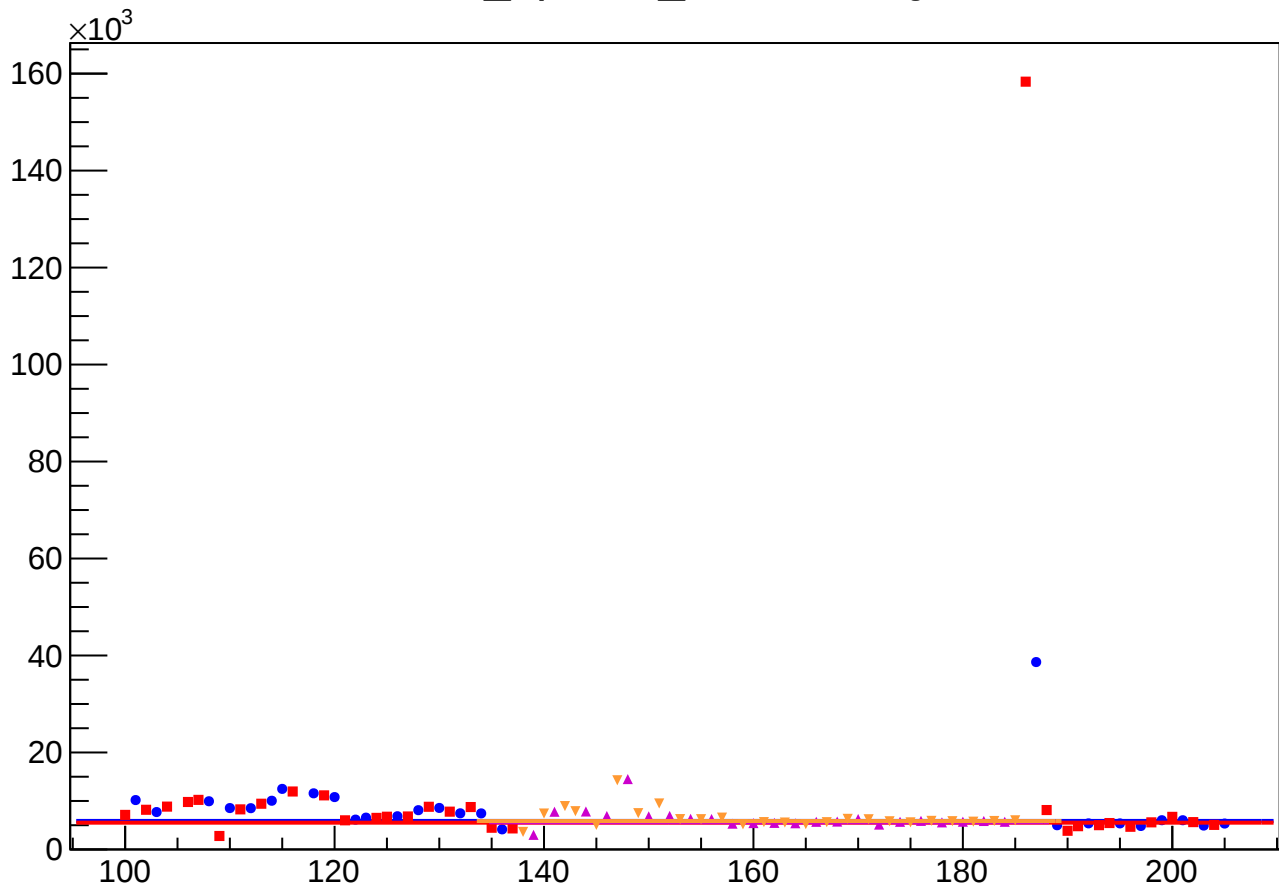
Left In: 1.298 $\pm$ 1.406 χ^2 /NDF:33.0/22

+ sign 1.240 $\pm$ 1.093 χ^2 /NDF: 38.2/50

All: 1.679 $\pm$ 0.759 χ^2 /NDF: 99.3/103

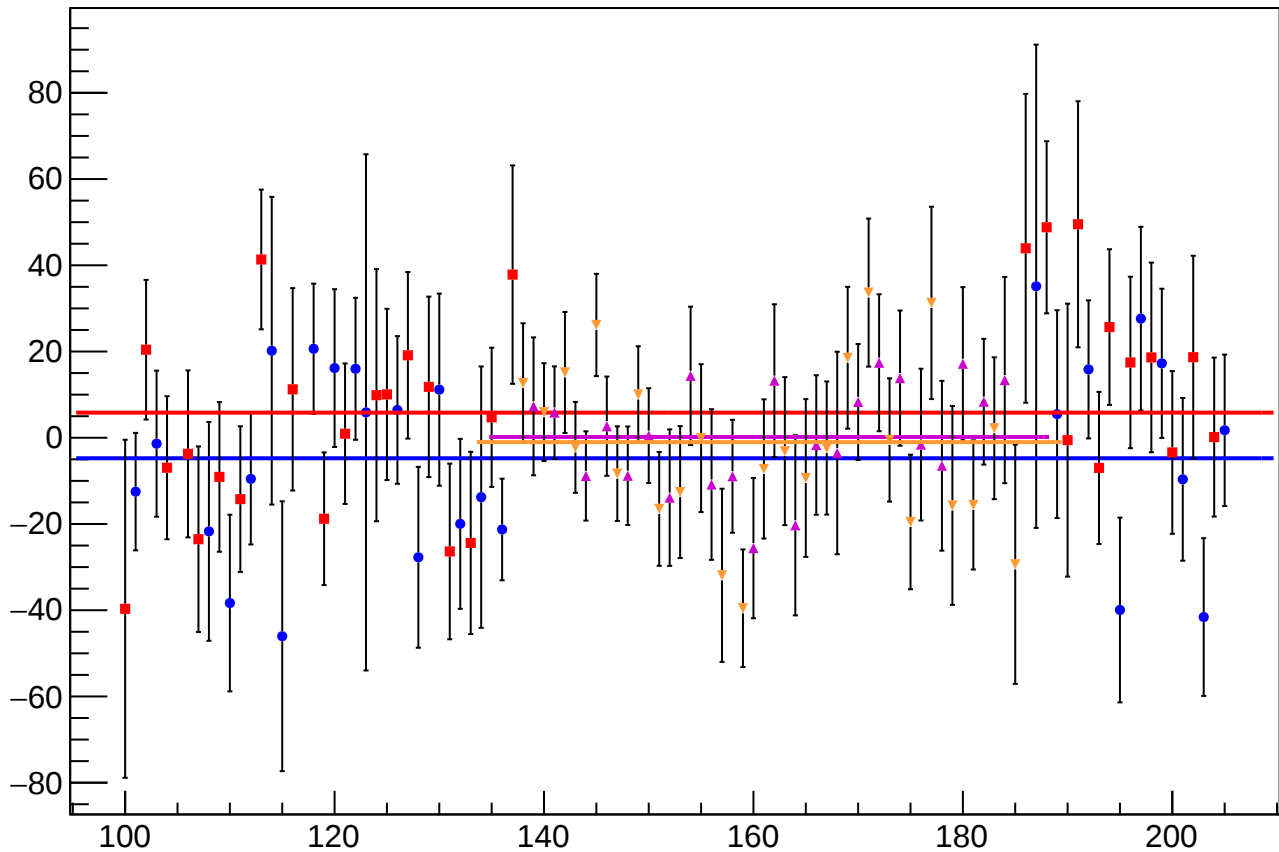
- sign 2.088 $\pm$ 1.056 χ^2 /NDF: 60.7/52

diff_bpm1Y_rms vs Slug



Right In: 5883.500 $\pm$ 1.212	χ^2/NDF : 1987125.5/25	+ sign 5868.756 $\pm$ 0.773	χ^2/NDF : 3678719.3/50
Left Out: 5858.642 $\pm$ 1.004	χ^2/NDF : 1691344.1/24	All: 5711.598 $\pm$ 0.537	χ^2/NDF : 9246650.8/10
Right Out: 5523.724 $\pm$ 1.130	χ^2/NDF : 3395896.1/29	- sign 5564.963 $\pm$ 0.747	χ^2/NDF : 5488007.5/52
Left In: 5596.879 $\pm$ 0.994	χ^2/NDF : 2089750.1/22		

diff_bpm11X_mean vs Slug



Right In: -4.754 ± 3.739 χ^2/NDF : 29.6/25

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

Right Out: 5.826 ± 3.626 χ^2/NDF : 32.5/29

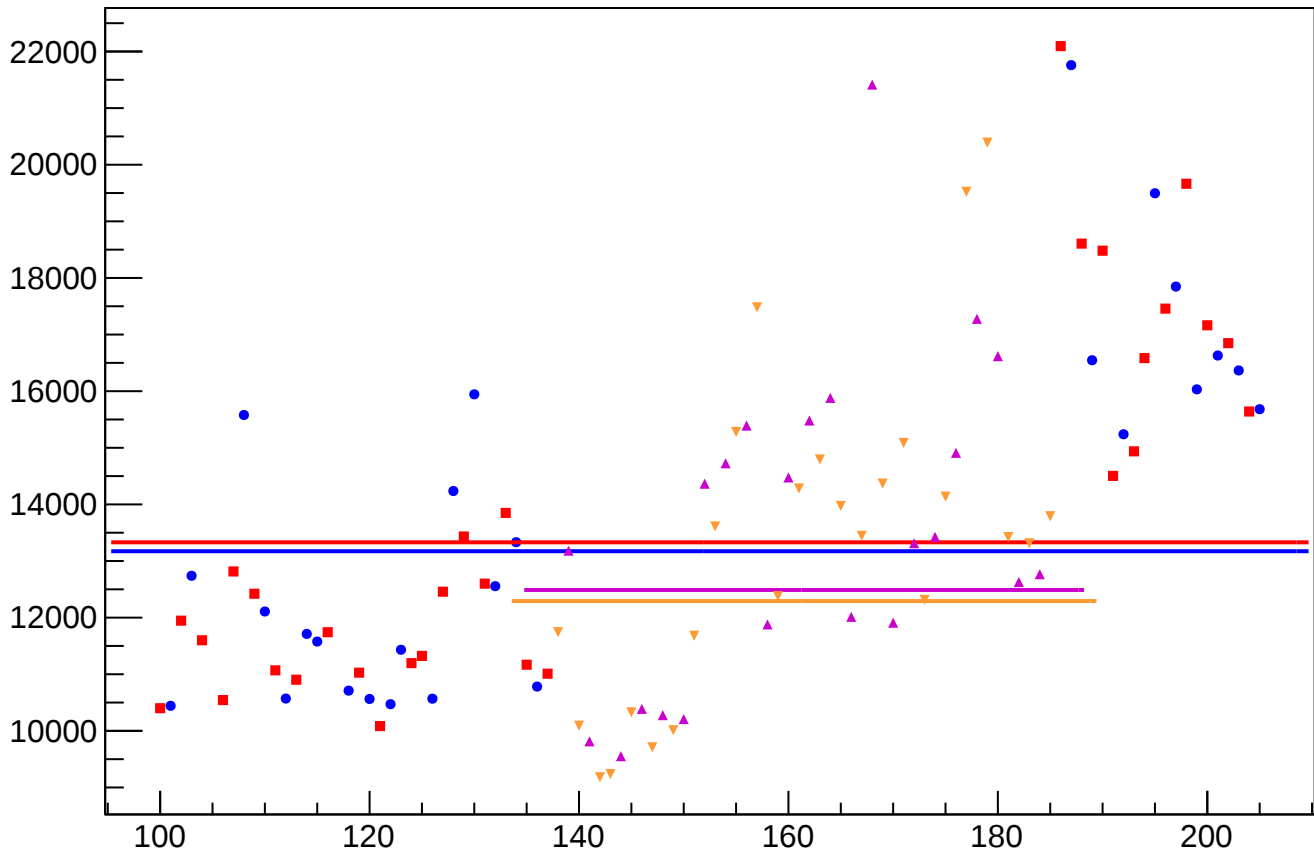
Left In: 0.172 ± 3.067 χ^2/NDF : 12.4/22

+ sign -2.440 ± 2.312 χ^2/NDF : 63.7/50

All: 0.013 ± 1.645 χ^2/NDF : 112.2/103

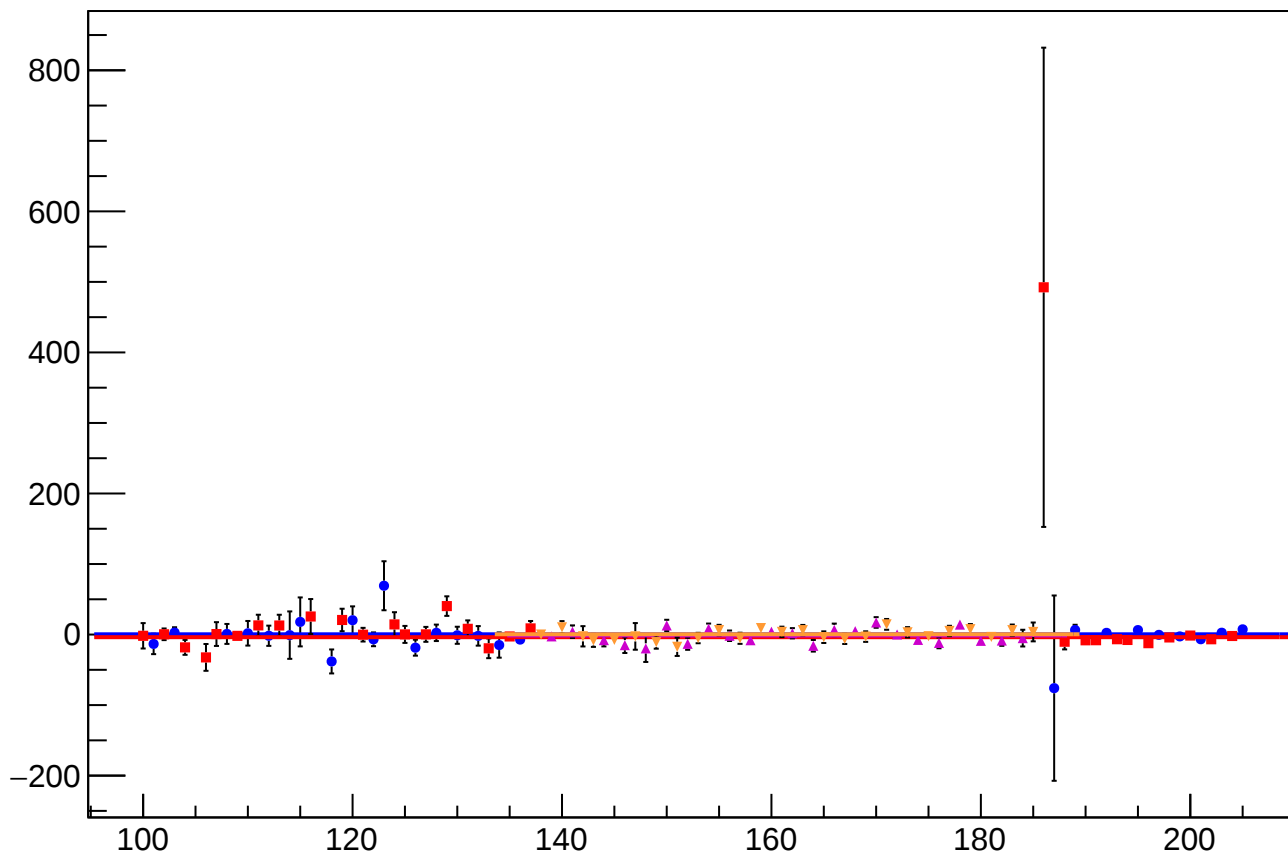
- sign 2.530 ± 2.342 χ^2/NDF : 46.3/52

diff_bpm11X_rms vs Slug



Right In: 13173.170+/-2.644	χ^2/NDF : 1101572.0/25	+ sign 12629.281+/-1.635	χ^2/NDF : 2672651.5/50
Left Out: 12292.583+/-2.080	χ^2/NDF : 1502548.3/24	All: 12733.195+/-1.163	χ^2/NDF : 5307519.3/1
Right Out: 13330.507+/-2.564	χ^2/NDF : 1209388.2/29	- sign 12839.834+/-1.656	χ^2/NDF : 2626680.0/52
Left In: 12488.821+/-2.169	χ^2/NDF : 1354485.4/22		

diff_bpm11Y_mean vs Slug



Right In: 0.354 ± 1.471 χ^2/NDF : 26.0/25

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

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

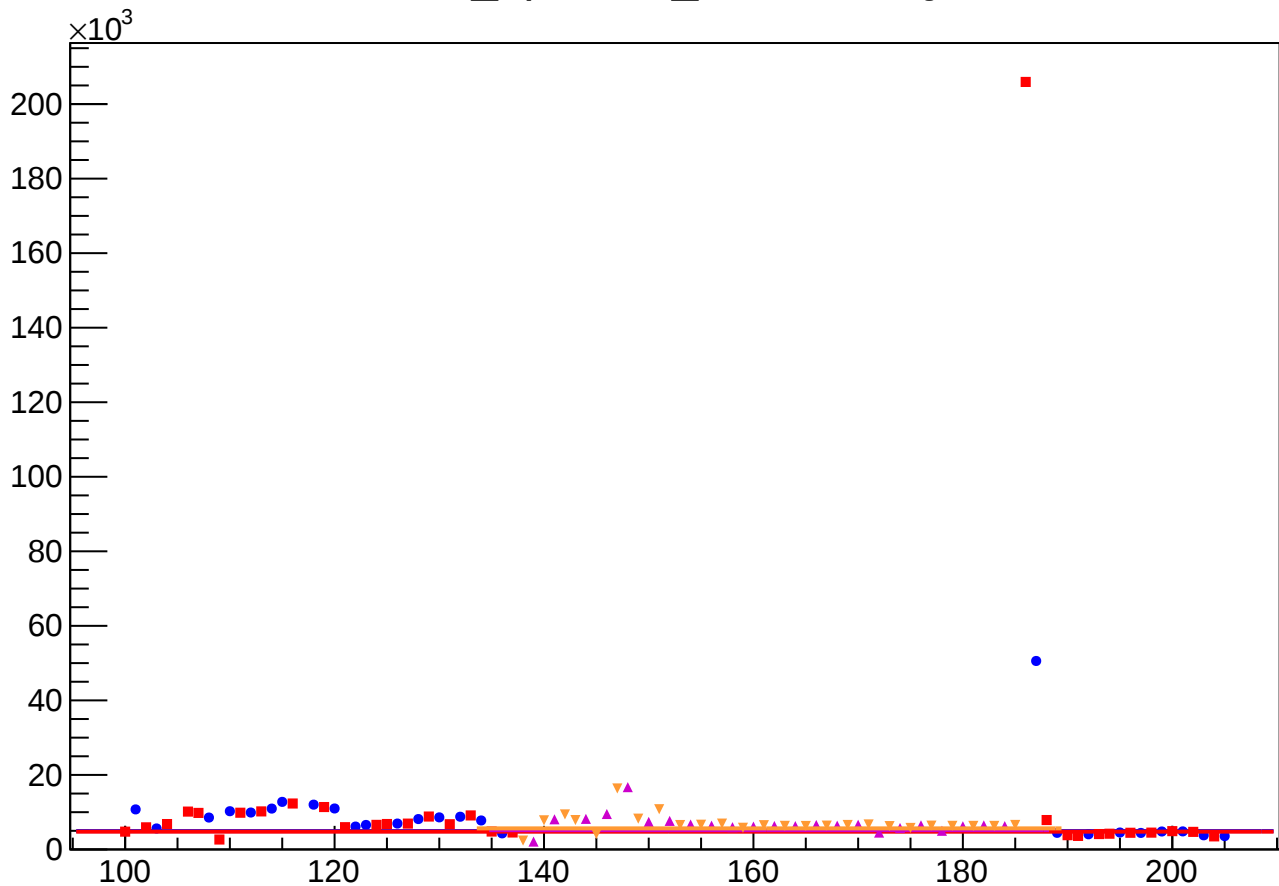
Left In: -1.278 ± 1.386 χ^2/NDF : 34.0/22

+ sign 0.383 ± 1.027 χ^2/NDF : 45.3/50

All: -1.107 ± 0.712 χ^2/NDF : 118.6/103

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

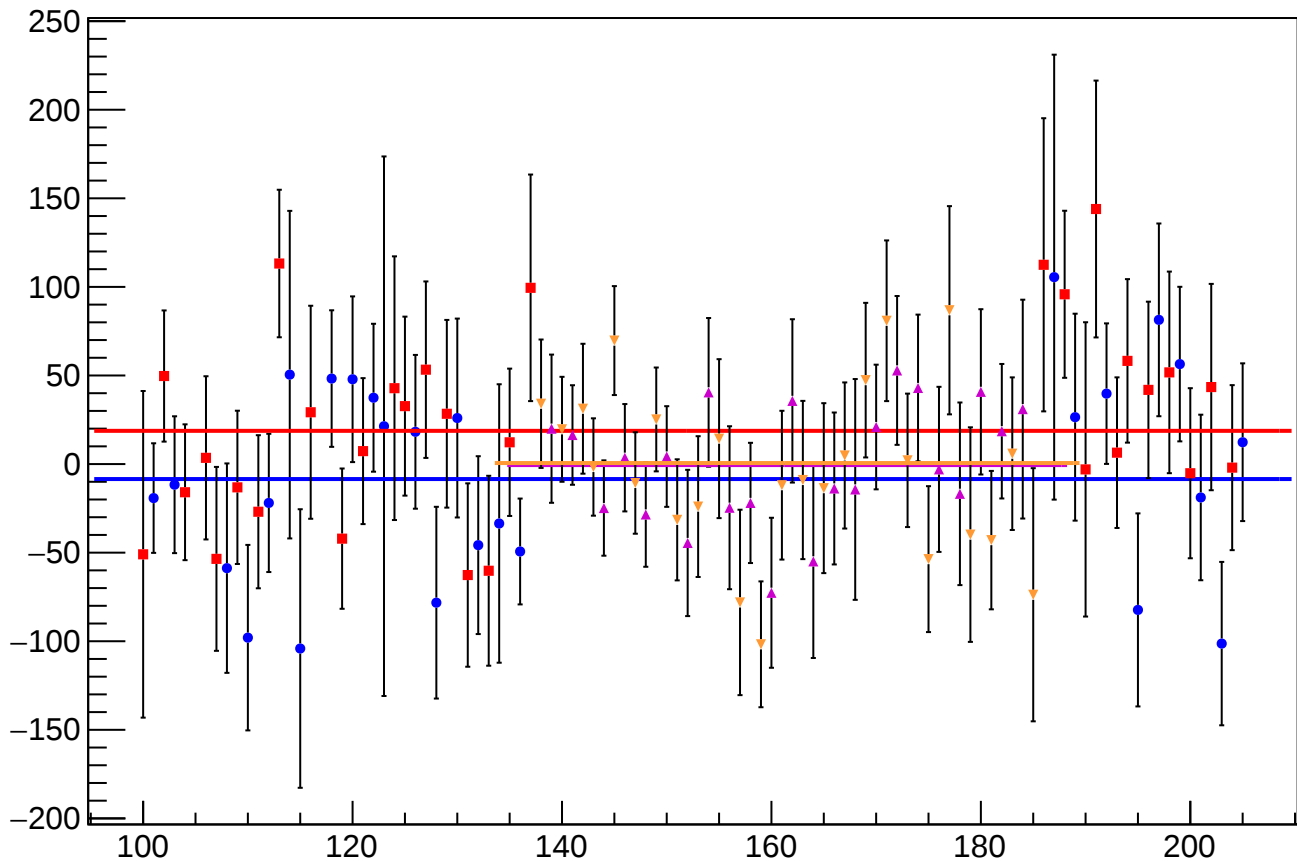
diff_bpm11Y_rms vs Slug



Right In: 4921.908 $\pm$ 1.040 χ^2/NDF : 3005778.7/25
 Left Out: 5655.639 $\pm$ 1.014 χ^2/NDF : 4124124.3/24
 Right Out: 4782.151 $\pm$ 0.997 χ^2/NDF : 3703282.0/29
 Left In: 5180.743 $\pm$ 0.980 χ^2/NDF : 5350053.6/22

+ sign 5297.919 $\pm$ 0.726 χ^2/NDF : 7384969.2/50
 All: 5135.376 $\pm$ 0.504 χ^2/NDF : 16616115.1/100
 - sign 4984.867 $\pm$ 0.699 χ^2/NDF : 9134653.2/52

diff_bpm12X_mean vs Slug



Right In: -8.454 ± 9.307 χ^2/NDF : 29.4/25

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

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

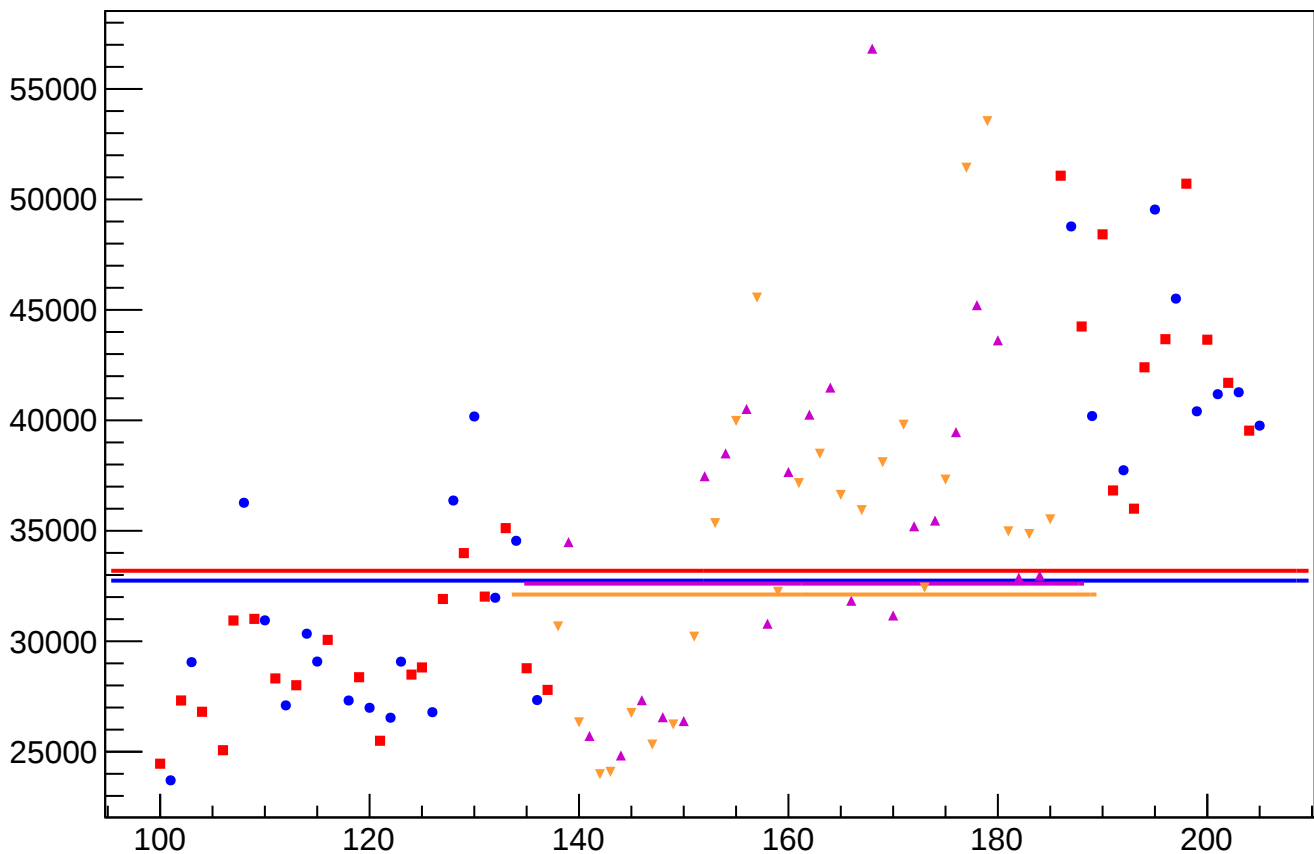
Left In: -0.565 ± 8.015 χ^2/NDF : 14.3/22

+ sign -3.086 ± 5.928 χ^2/NDF : 60.9/50

All: 2.368 ± 4.215 χ^2/NDF : 108.8/103

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

diff_bpm12X_rms vs Slug



Right In: 32744.643+/-6.581 χ^2/NDF : 1152332.7/25

Left Out: 32117.184+/-5.438 χ^2/NDF : 1536740.0/24

Right Out: 33190.768+/-6.388 χ^2/NDF : 1238333.5/29

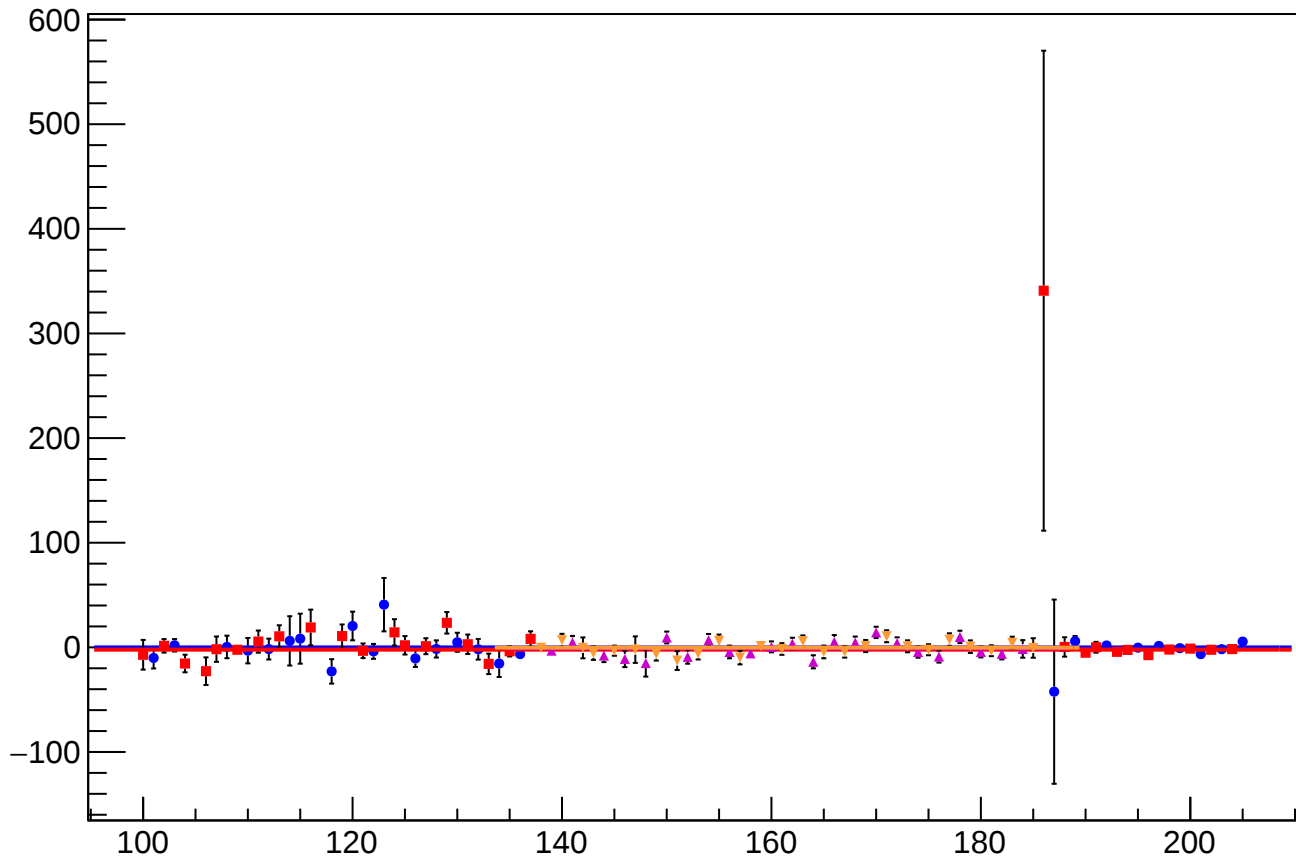
Left In: 32610.108+/-5.667 χ^2/NDF : 1398475.8/22

+ sign 32371.790+/-4.192 χ^2/NDF : 2694474.8/50

All: 32616.060+/-2.981 χ^2/NDF : 5342775.9/1

- sign 32865.860+/-4.239 χ^2/NDF : 2641433.3/52

diff_bpm12Y_mean vs Slug



Right In: -0.078 ± 0.948 χ^2/NDF : 29.9/25

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

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

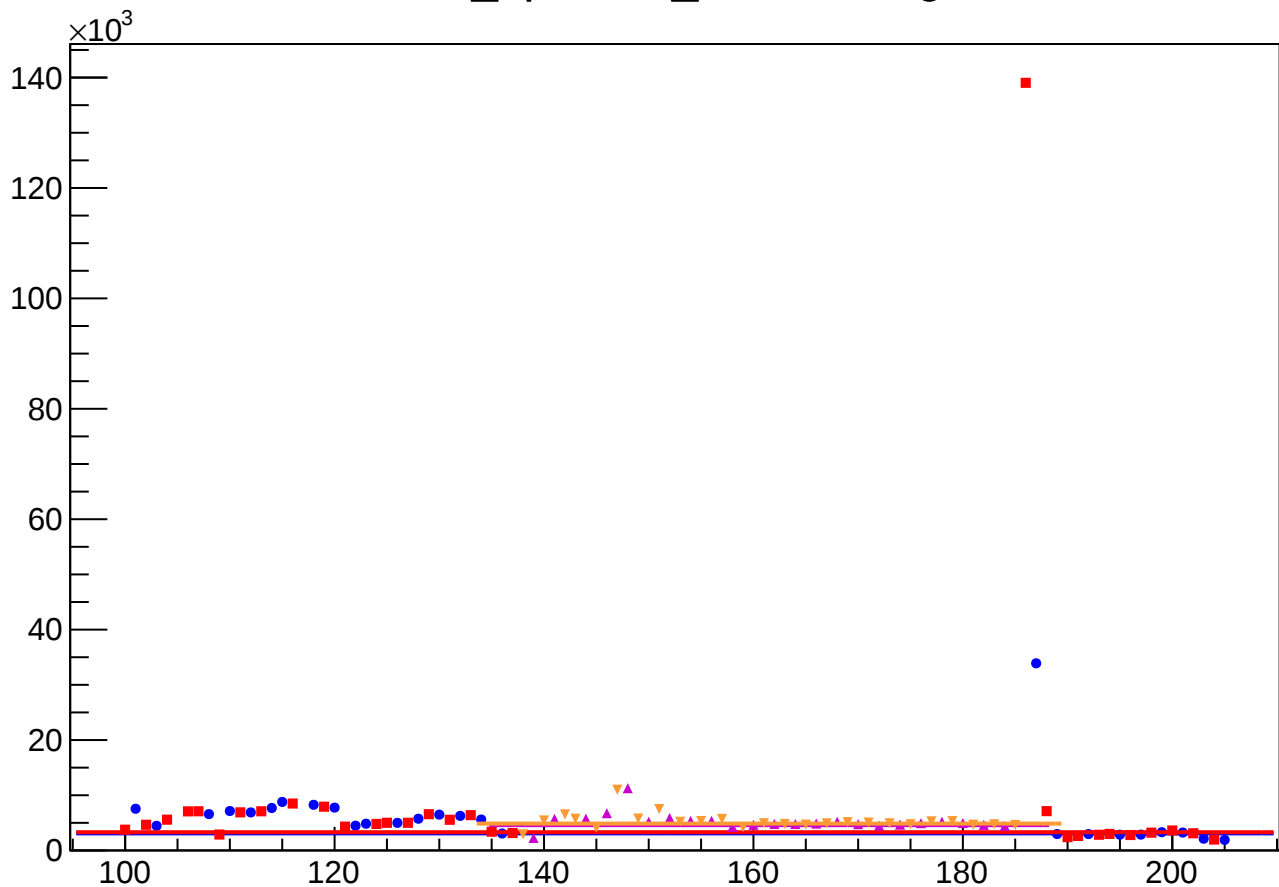
Left In: -0.925 ± 1.154 χ^2/NDF : 36.1/22

+ sign -0.148 ± 0.738 χ^2/NDF : 47.9/50

All: -0.898 ± 0.525 χ^2/NDF : 115.9/103

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

diff_bpm12Y_rms vs Slug



Right In: 3089.834 ± 0.671 $\chi^2/\text{NDF}: 4200006.1/25$

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

Right Out: 3305.906 ± 0.693 $\chi^2/\text{NDF}: 4328154.8/29$

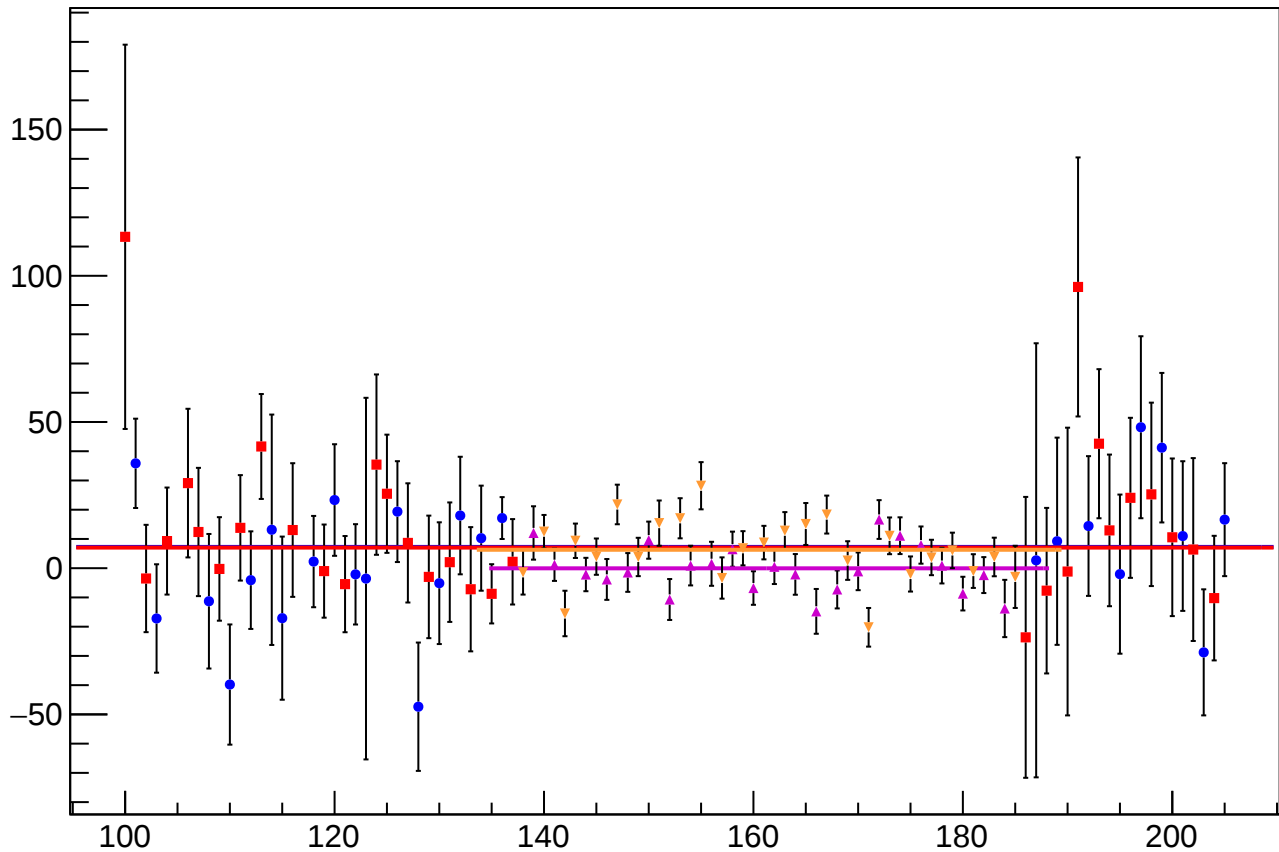
Left In: 4582.193 ± 0.816 $\chi^2/\text{NDF}: 2478681.0/22$

+ sign 3792.337 ± 0.522 $\chi^2/\text{NDF}: 8486224.0/50$

All: 3816.088 ± 0.371 $\chi^2/\text{NDF}: 16719780.8/1$

- sign 3840.429 ± 0.528 $\chi^2/\text{NDF}: 8229356.9/52$

diff_bpm16X_mean vs Slug



Right In: 7.276 ± 3.693 χ^2/NDF : 29.5/25

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

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

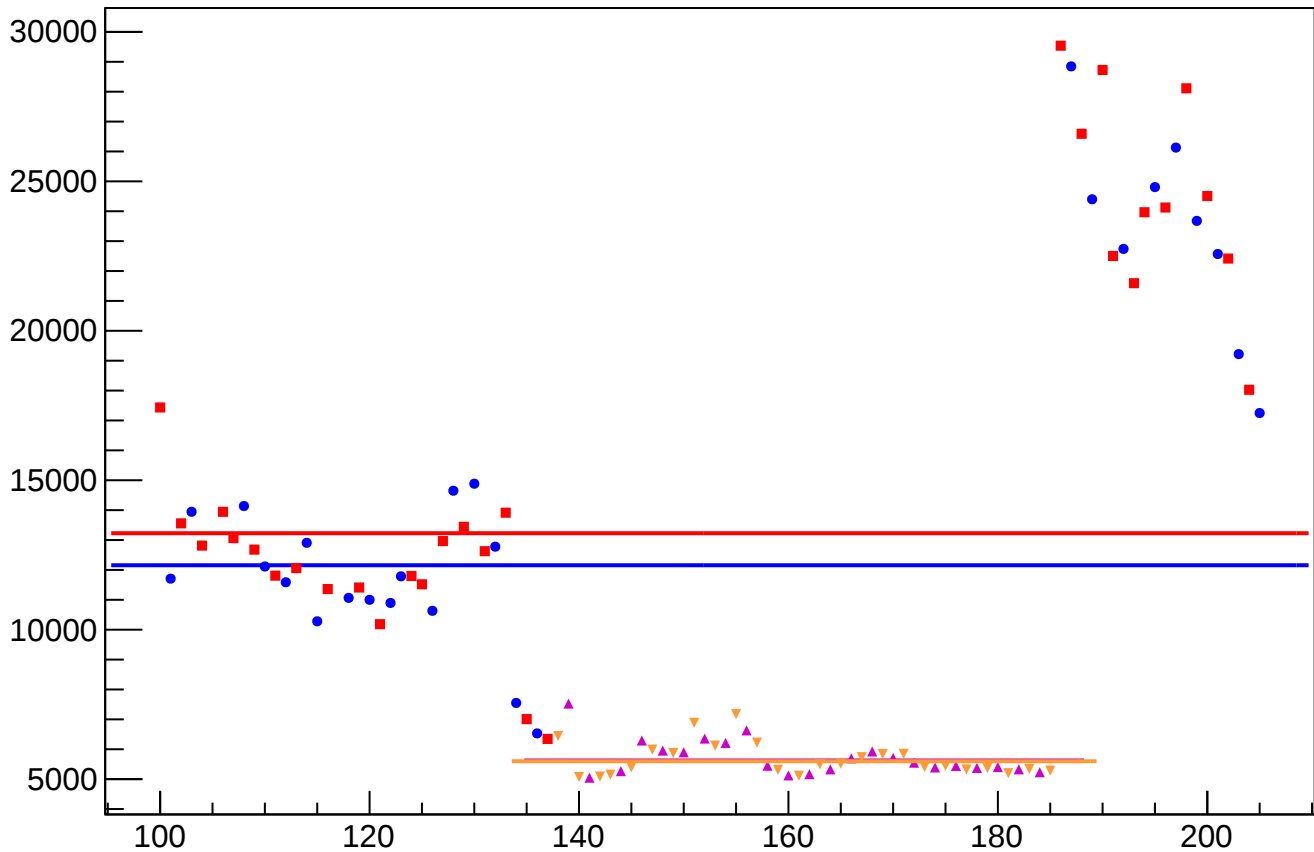
Left In: -0.044 ± 1.358 χ^2/NDF : 30.0/22

+ sign 6.411 ± 1.237 χ^2/NDF : 86.3/50

All: 3.677 ± 0.889 χ^2/NDF : 151.3/103

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

diff_bpm16X_rms vs Slug



Right In: 12156.291+/-2.612 χ^2/NDF : 4178429.6/25

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

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

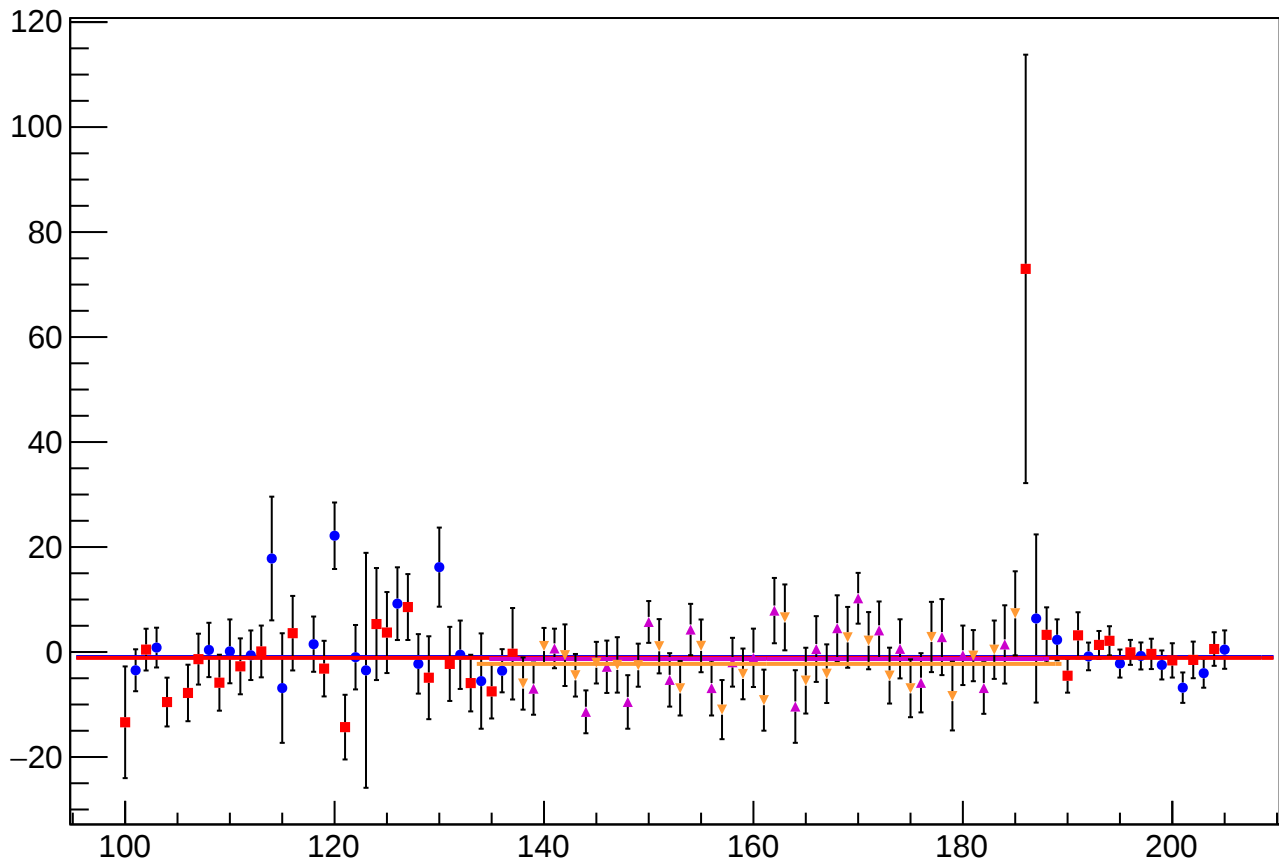
Left In: 5625.163+/-0.960 χ^2/NDF : 272563.5/22

+ sign 6334.076+/-0.875 χ^2/NDF : 10059168.4/50

All: 6403.680+/-0.629 χ^2/NDF : 21657174.0/100

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

diff_bpm16Y_mean vs Slug



Right In: -0.953 ± 0.824 χ^2/NDF : 32.0/25

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

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

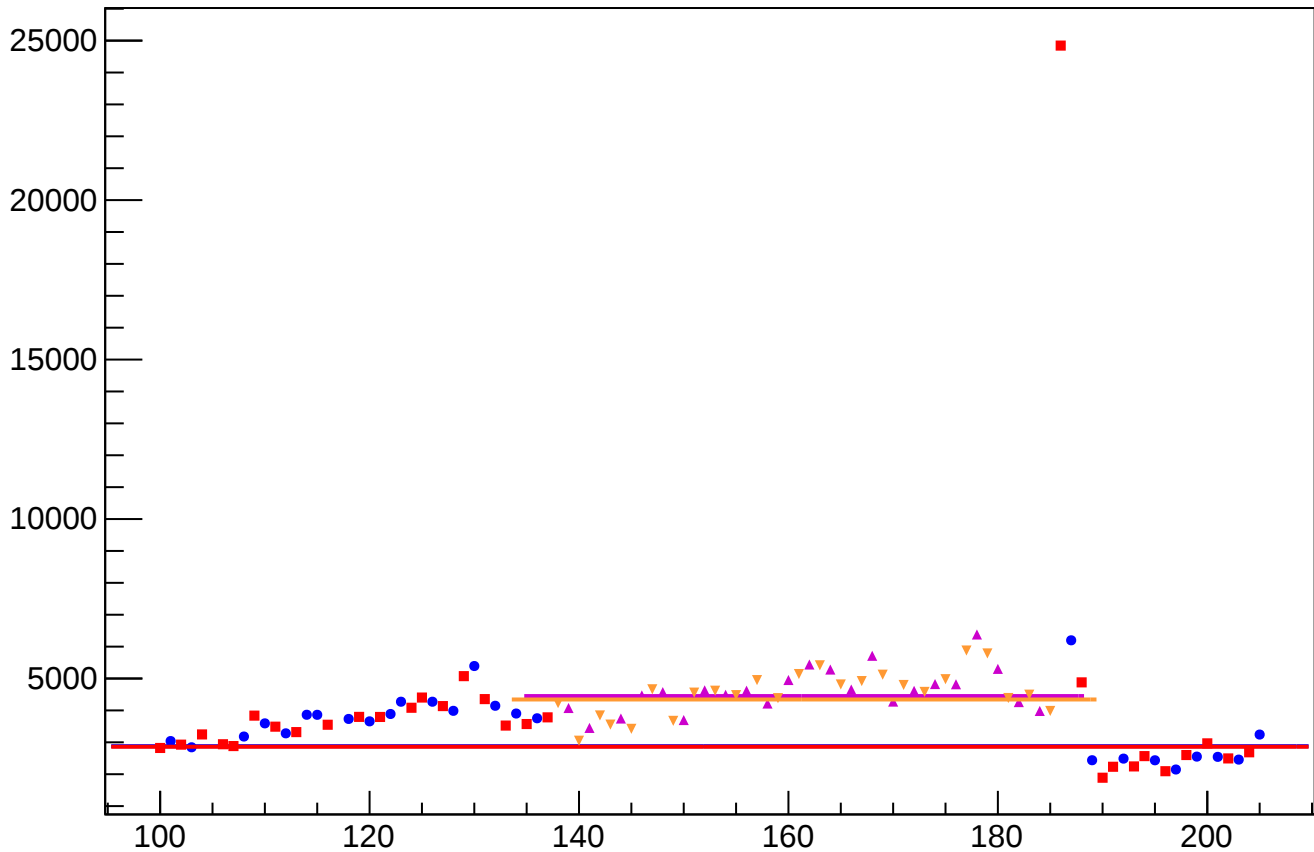
Left In: -1.328 ± 1.082 χ^2/NDF : 30.6/22

+ sign -1.464 ± 0.644 χ^2/NDF : 48.5/50

All: -1.326 ± 0.454 χ^2/NDF : 106.3/103

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

diff_bpm16Y_rms vs Slug



Right In: 2878.293+/-0.583 χ^2/NDF : 1292422.1/25

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

Right Out: 2860.823+/-0.561 χ^2/NDF : 2263531.1/29

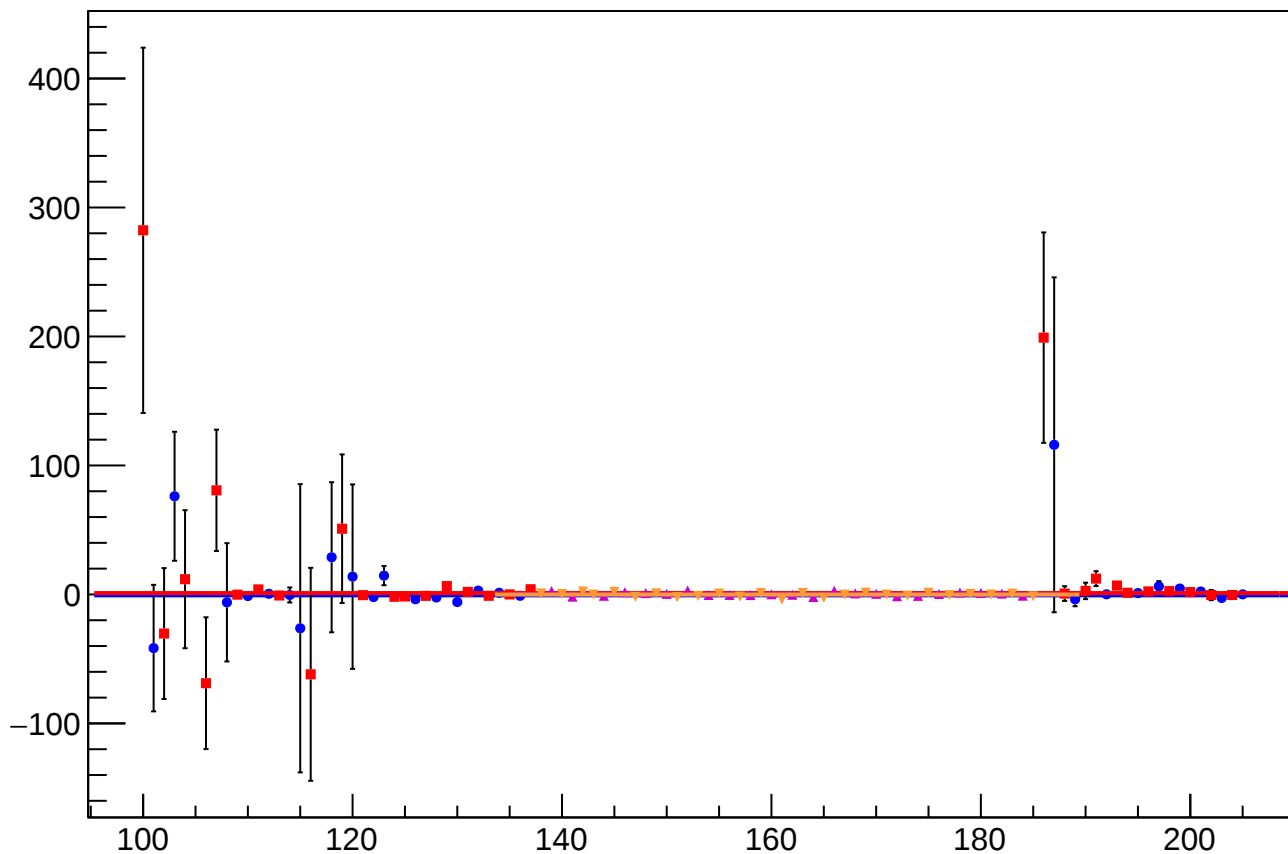
Left In: 4450.007+/-0.765 χ^2/NDF : 693229.8/22

+ sign 3449.880+/-0.455 χ^2/NDF : 4749279.0/50

All: 3433.285+/-0.321 χ^2/NDF : 10513466.9/1

- sign 3416.873+/-0.453 χ^2/NDF : 5761543.2/52

diff_bpm1p02bX_mean vs Slug



Right In: -0.716 ± 0.629 χ^2/NDF : 26.0/25

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

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

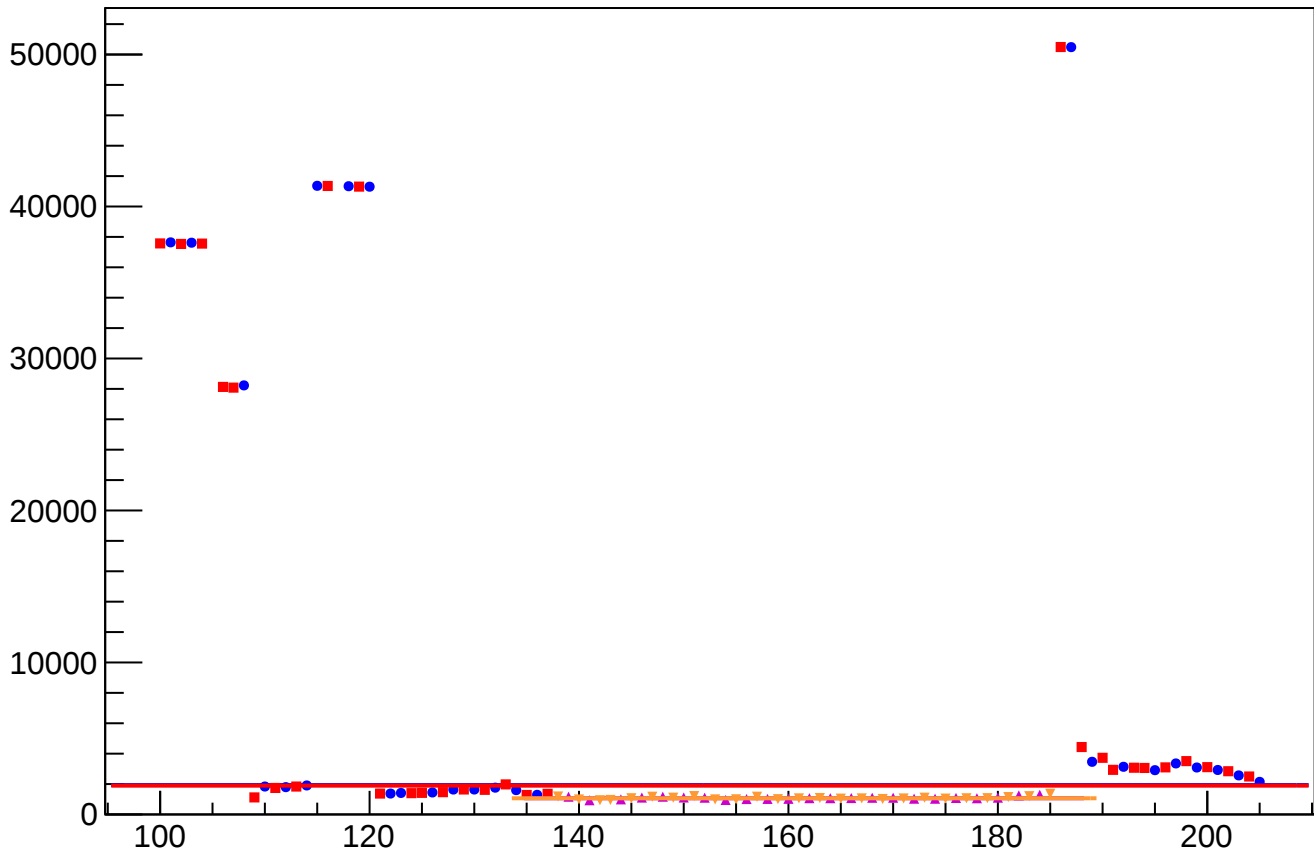
Left In: 0.259 ± 0.257 χ^2/NDF : 27.2/22

+ sign -0.176 ± 0.232 χ^2/NDF : 61.3/50

All: 0.096 ± 0.166 χ^2/NDF : 127.7/103

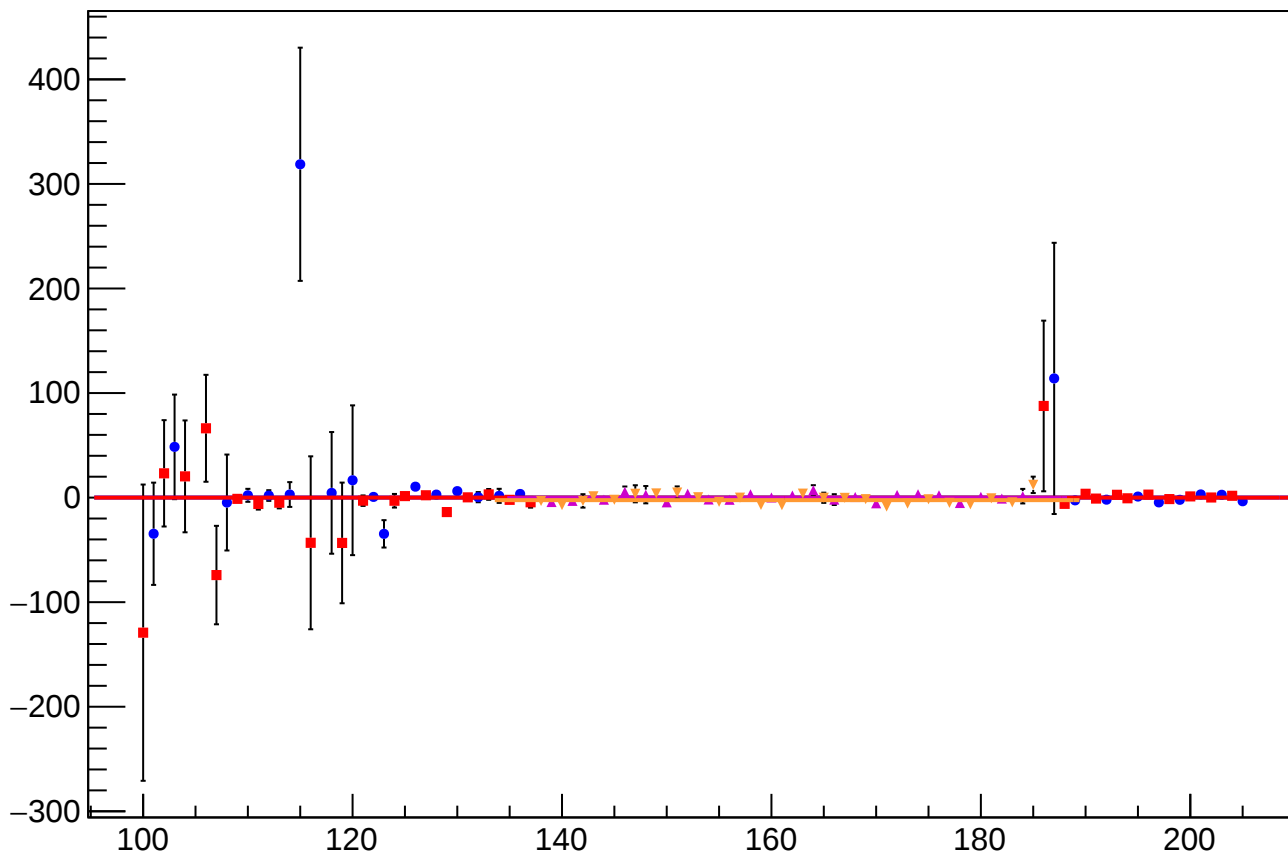
- sign 0.382 ± 0.237 χ^2/NDF : 63.6/52

diff_bpm1p02bX_rms vs Slug



Right In: 1930.626 $\pm$ 0.444 χ^2 /NDF: 6919800.7/25 + sign 1182.182 $\pm$ 0.164 χ^2 /NDF: 10386698.2/50
 Left Out: 1064.701 $\pm$ 0.176 χ^2 /NDF:186511.5/24 All: 1185.694 $\pm$ 0.117 χ^2 /NDF: 21995498.9/50
 Right Out: 1898.589 $\pm$ 0.436 χ^2 /NDF: 8339581.5/29 - sign 1189.380 $\pm$ 0.168 χ^2 /NDF: 11607857.5/52
 Left In: 1066.255 $\pm$ 0.182 χ^2 /NDF:164232.1/22

diff_bpm1p02bY_mean vs Slug



Right In: 0.075 ± 0.640 χ^2/NDF : 44.7/25

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

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

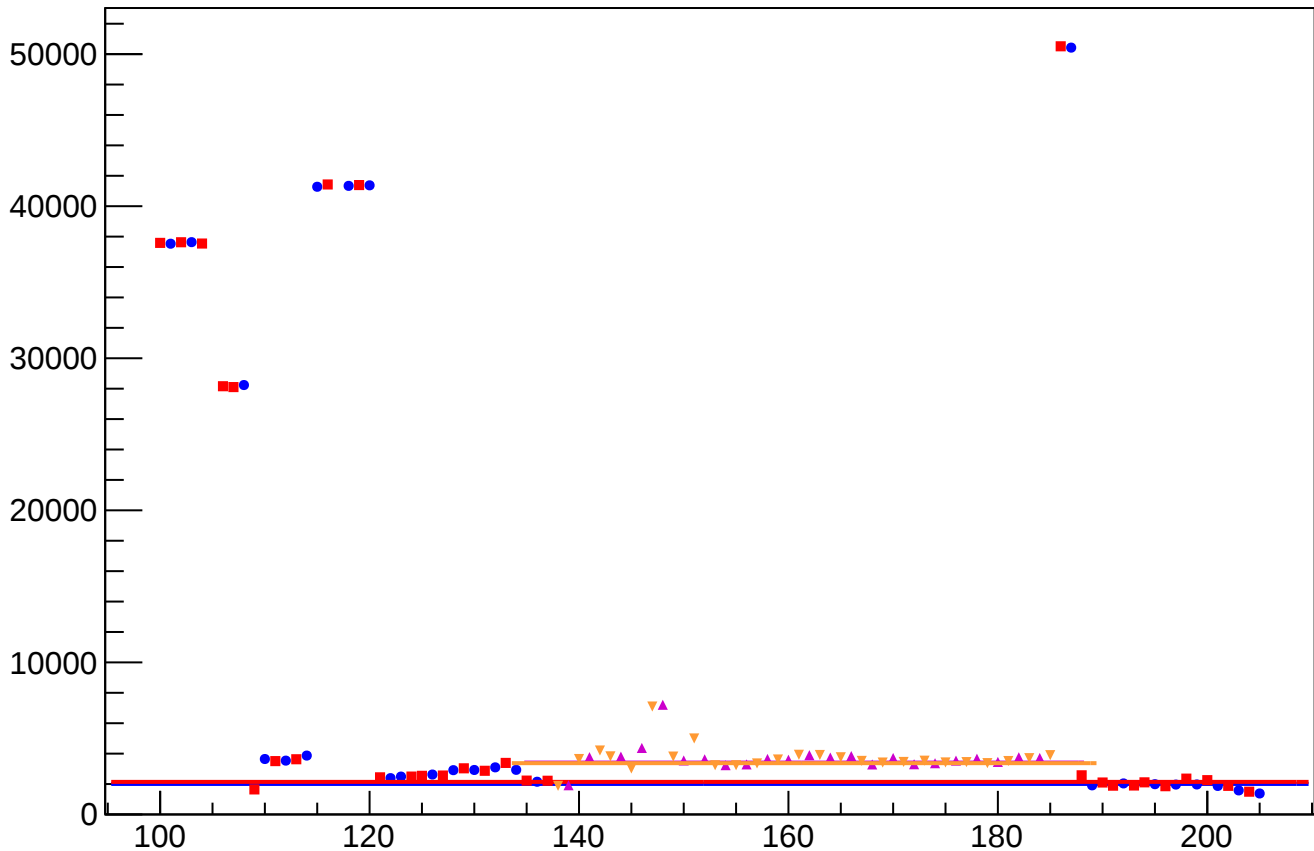
Left In: -0.468 ± 0.843 χ^2/NDF : 15.5/22

+ sign -0.884 ± 0.502 χ^2/NDF : 71.8/50

All: -0.544 ± 0.362 χ^2/NDF : 117.7/103

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

diff_bpm1p02bY_rms vs Slug



Right In: 2006.543 $\pm$ 0.453 χ^2 /NDF: 5998277.3/25

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

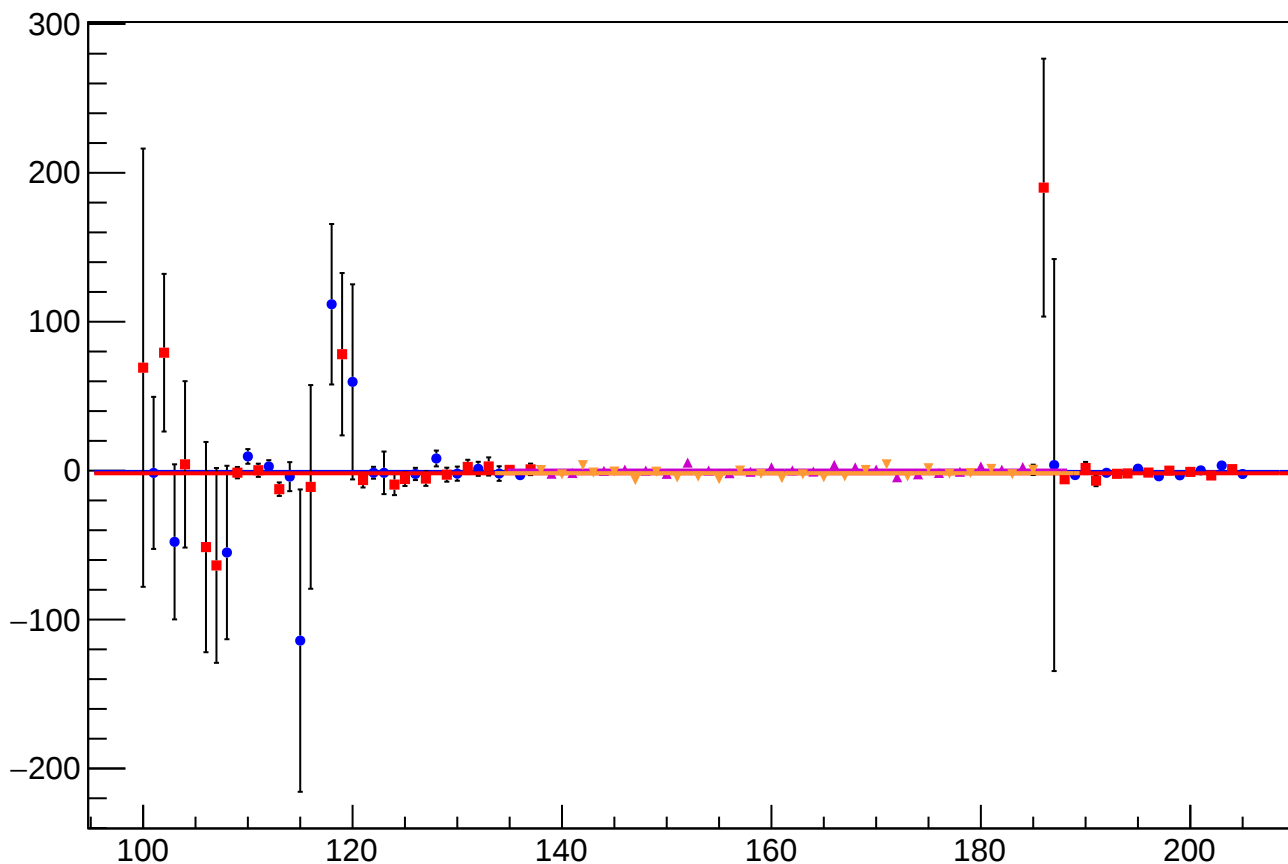
Left In: 3411.924 $\pm$ 0.596 χ^2 /NDF:1434523.7/22

+ sign 2531.447 $\pm$ 0.355 χ^2 /NDF: 11155562.7/50

All: 2578.549 $\pm$ 0.256 χ^2 /NDF: 21640572.7/100

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

diff_bpm1p03aX_mean vs Slug



Right In: -0.848 ± 0.683 χ^2/NDF : 25.9/25

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

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

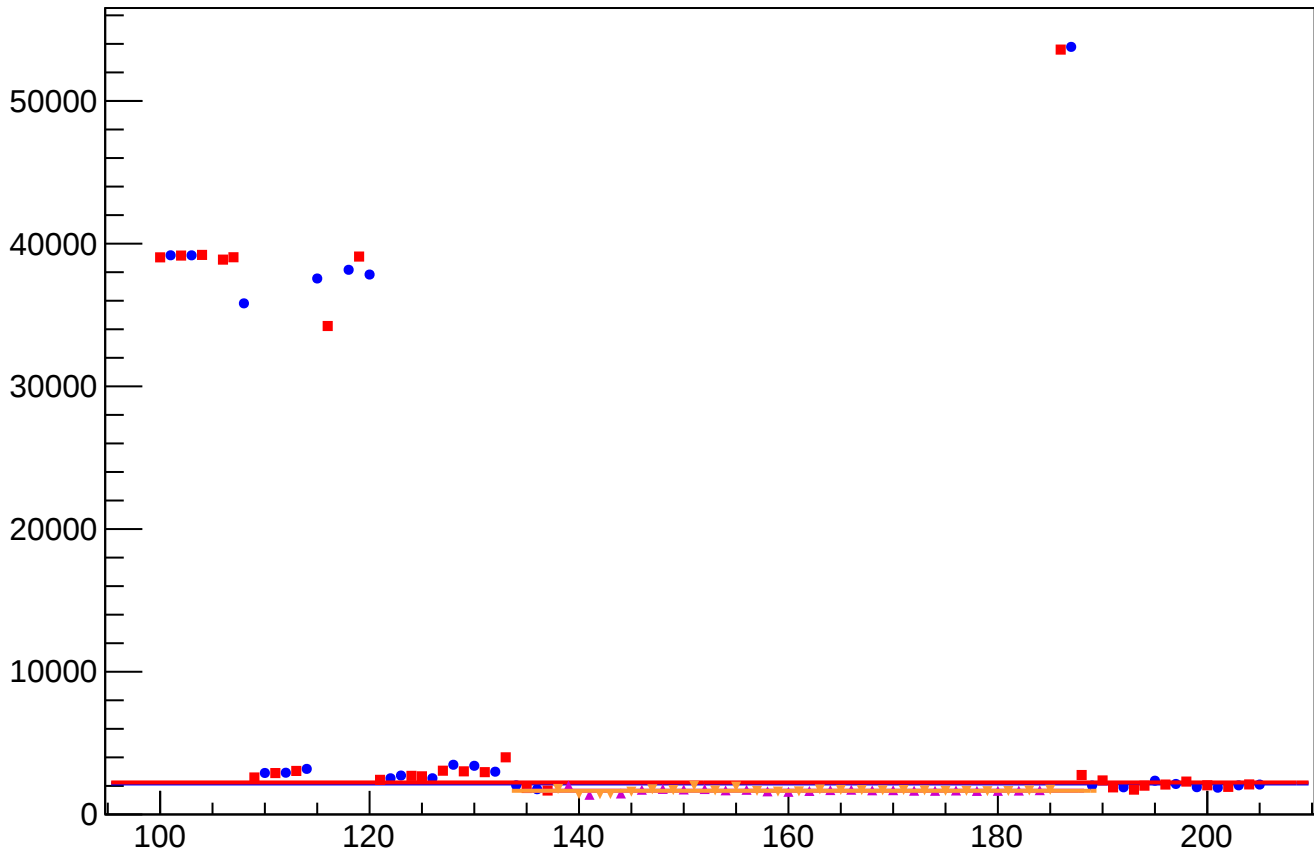
Left In: 0.072 ± 0.401 χ^2/NDF : 28.2/22

+ sign -1.471 ± 0.337 χ^2/NDF : 72.7/50

All: -0.950 ± 0.242 χ^2/NDF : 140.0/103

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

diff_bpm1p03aX_rms vs Slug



Right In: 2170.189 $\pm$ 0.483 χ^2 /NDF: 5439131.5/25

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

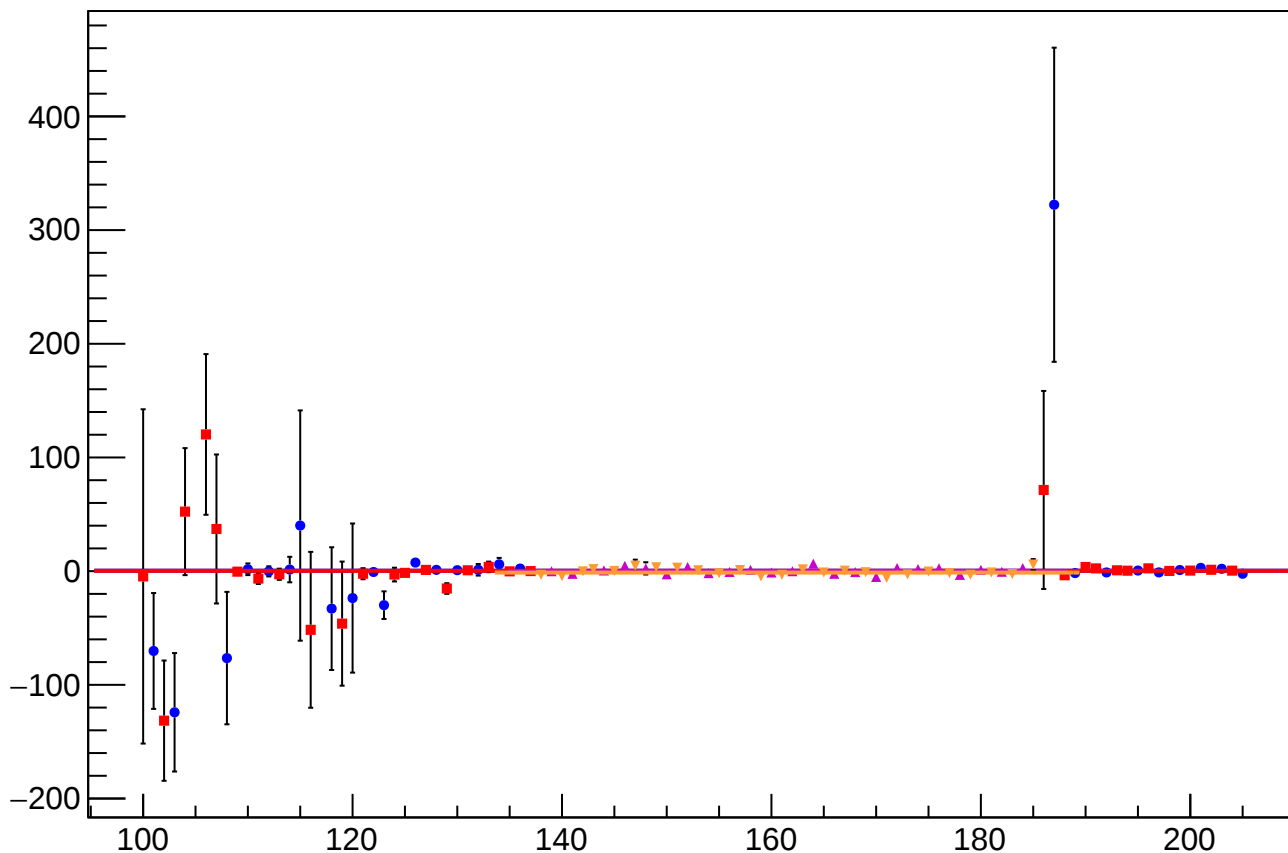
Left In: 1663.620 $\pm$ 0.284 χ^2 /NDF: 178858.2/22

+ sign 1782.793 $\pm$ 0.239 χ^2 /NDF: 6513368.3/50

All: 1796.686 $\pm$ 0.171 χ^2 /NDF: 13790978.2/100

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

diff_bpm1p03aY_mean vs Slug



Right In: 0.395 ± 0.540 χ^2/NDF : 36.5/25

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

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

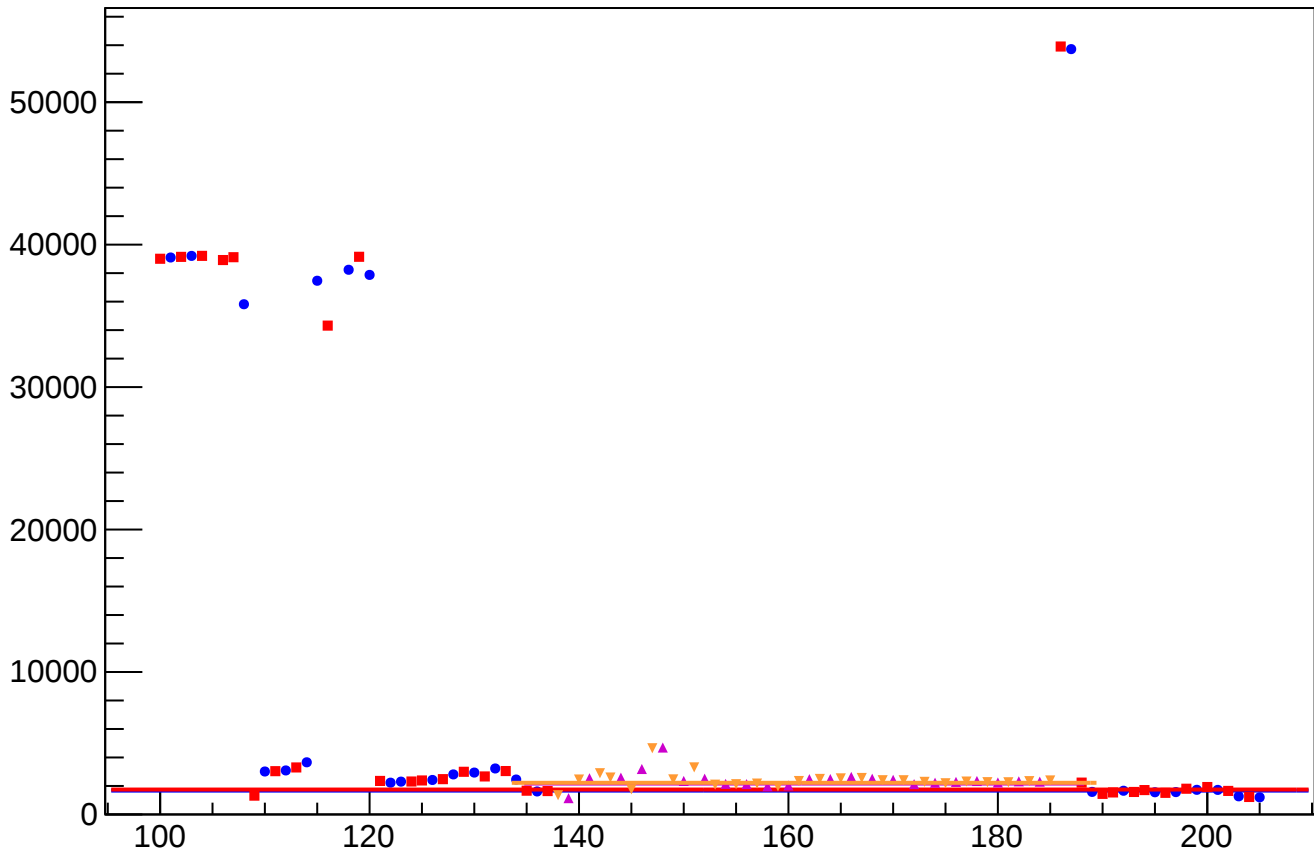
Left In: 0.098 ± 0.541 χ^2/NDF : 19.3/22

+ sign -0.435 ± 0.380 χ^2/NDF : 62.9/50

All: -0.120 ± 0.271 χ^2/NDF : 116.6/103

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

diff_bpm1p03aY_rms vs Slug



Right In: 1674.476 $\pm$ 0.382 χ^2 /NDF: 6387792.9/25

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

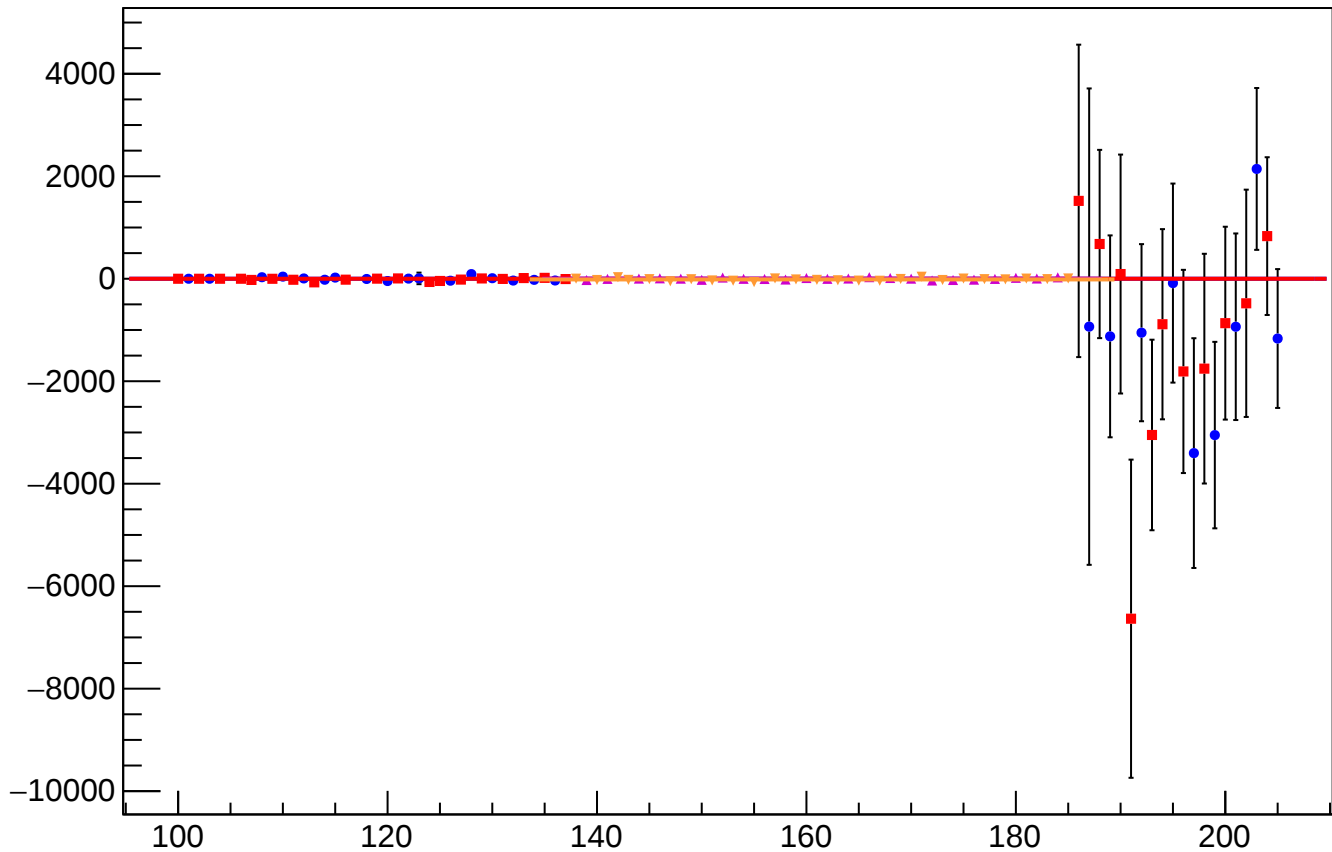
Left In: 2169.443 $\pm$ 0.383 χ^2 /NDF: 1974869.8/22

+ sign 1950.629 $\pm$ 0.269 χ^2 /NDF: 8848757.9/50

All: 1956.422 $\pm$ 0.191 χ^2 /NDF: 18158182.5/1

- 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 : 25.3/25

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

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

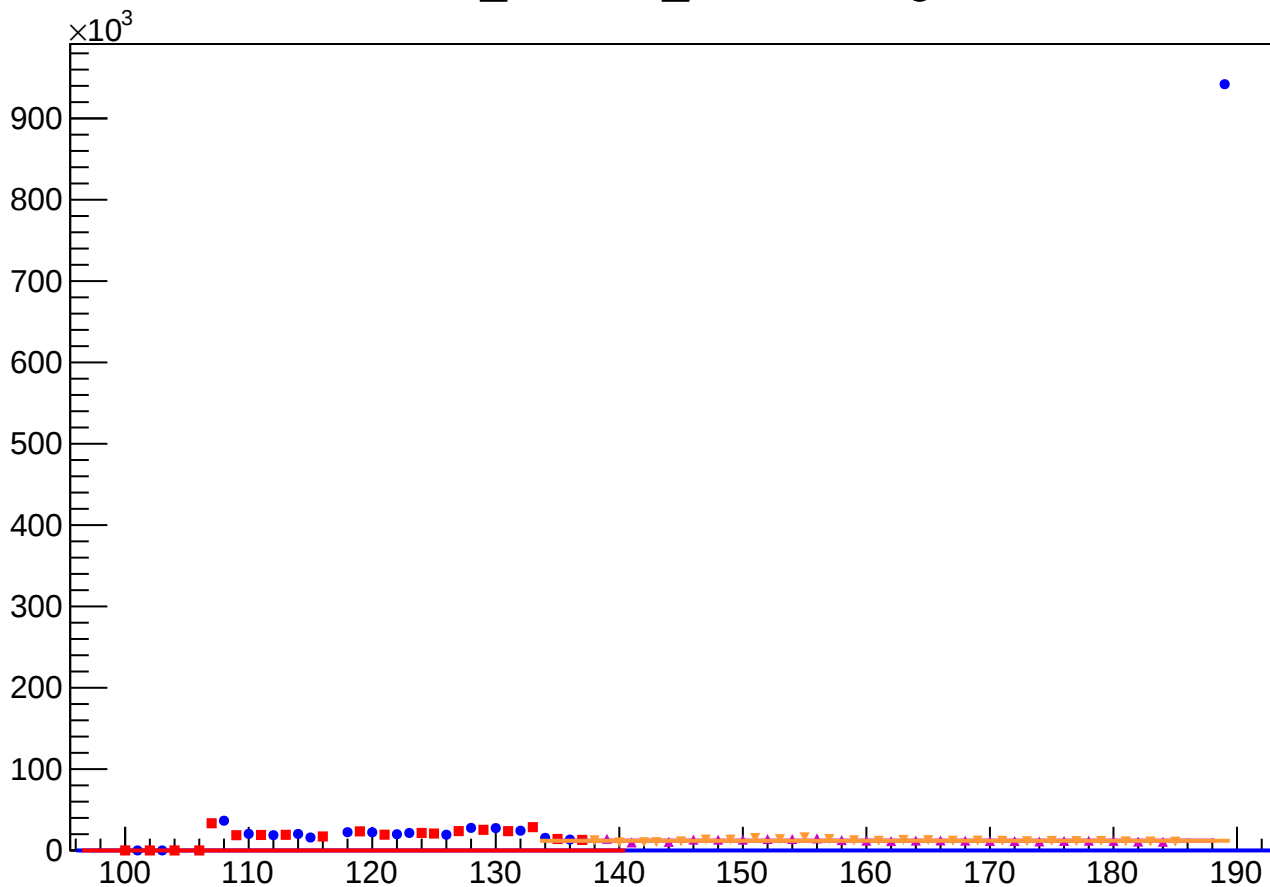
Left In: -0.459 ± 2.917 χ^2/NDF : 29.0/22

+ sign 0.013 ± 0.017 χ^2/NDF : 107.2/50

All: 0.008 ± 0.012 χ^2/NDF : 161.7/103

- 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

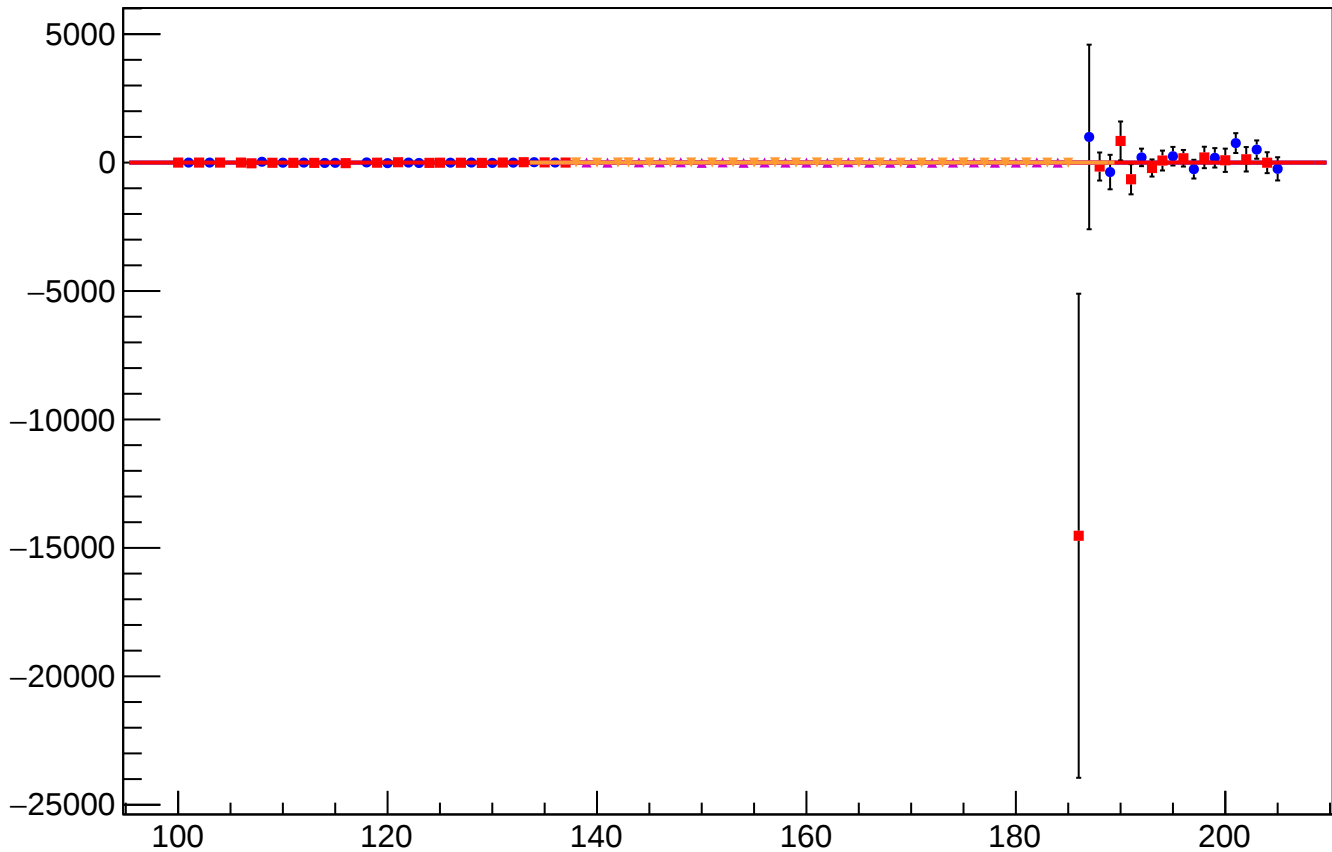
Left In: 12064.761 $\pm$ 2.062 χ^2/NDF : 368452.5/22

+ 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: 21.0/25

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

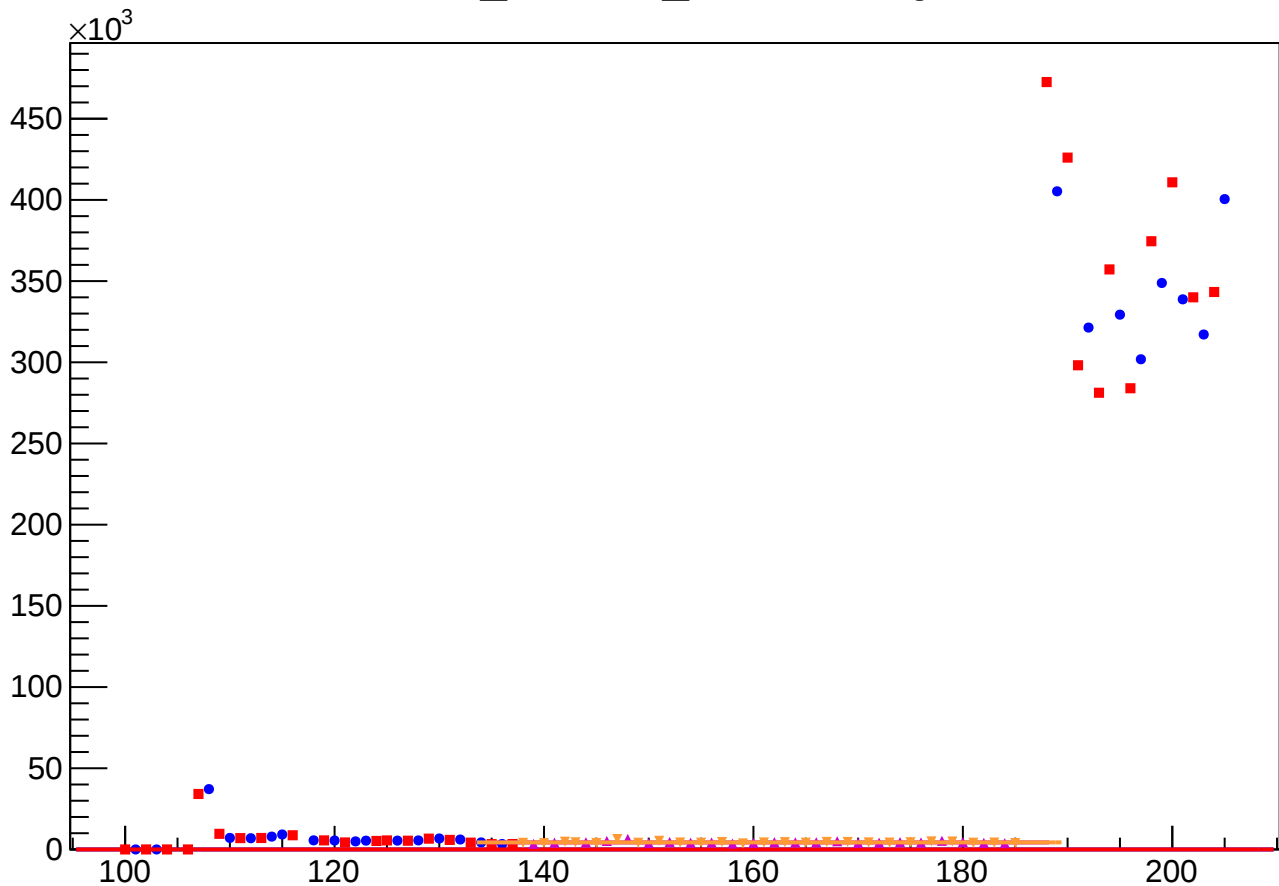
Left In: 0.939 $\pm$ 1.049 χ^2 /NDF:35.6/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 41.9/50

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 104.2/103

- 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 : 22970854.5/24

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

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

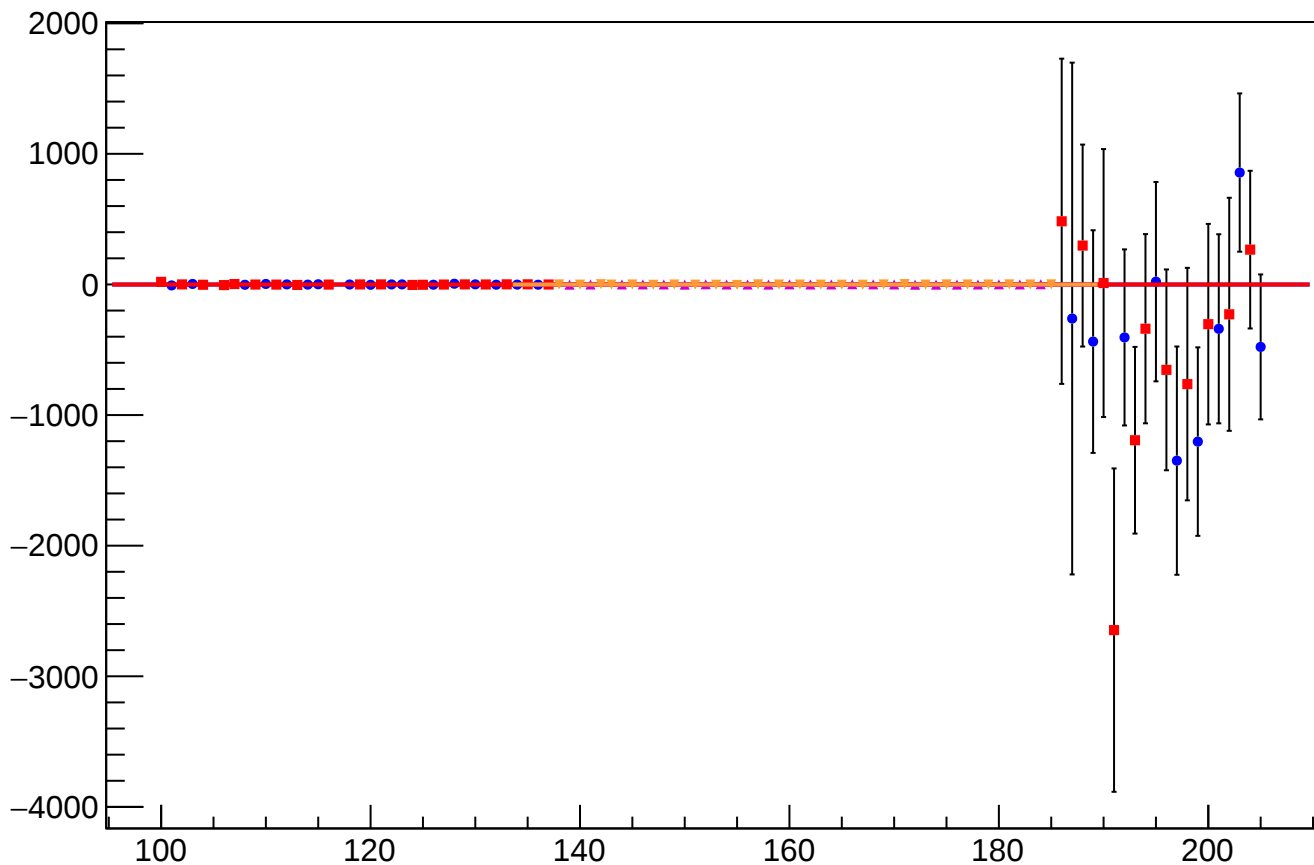
Left In: 4321.572 ± 0.741 χ^2/NDF : 514603.2/22

+ sign 10.292 ± 0.007 χ^2/NDF : 59398259.2/49

All: 10.216 ± 0.004 χ^2/NDF : 117834608.5/100

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

diff_cav4cX_mean vs Slug



Right In: -0.715 ± 0.483 χ^2/NDF : 31.5/25

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

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

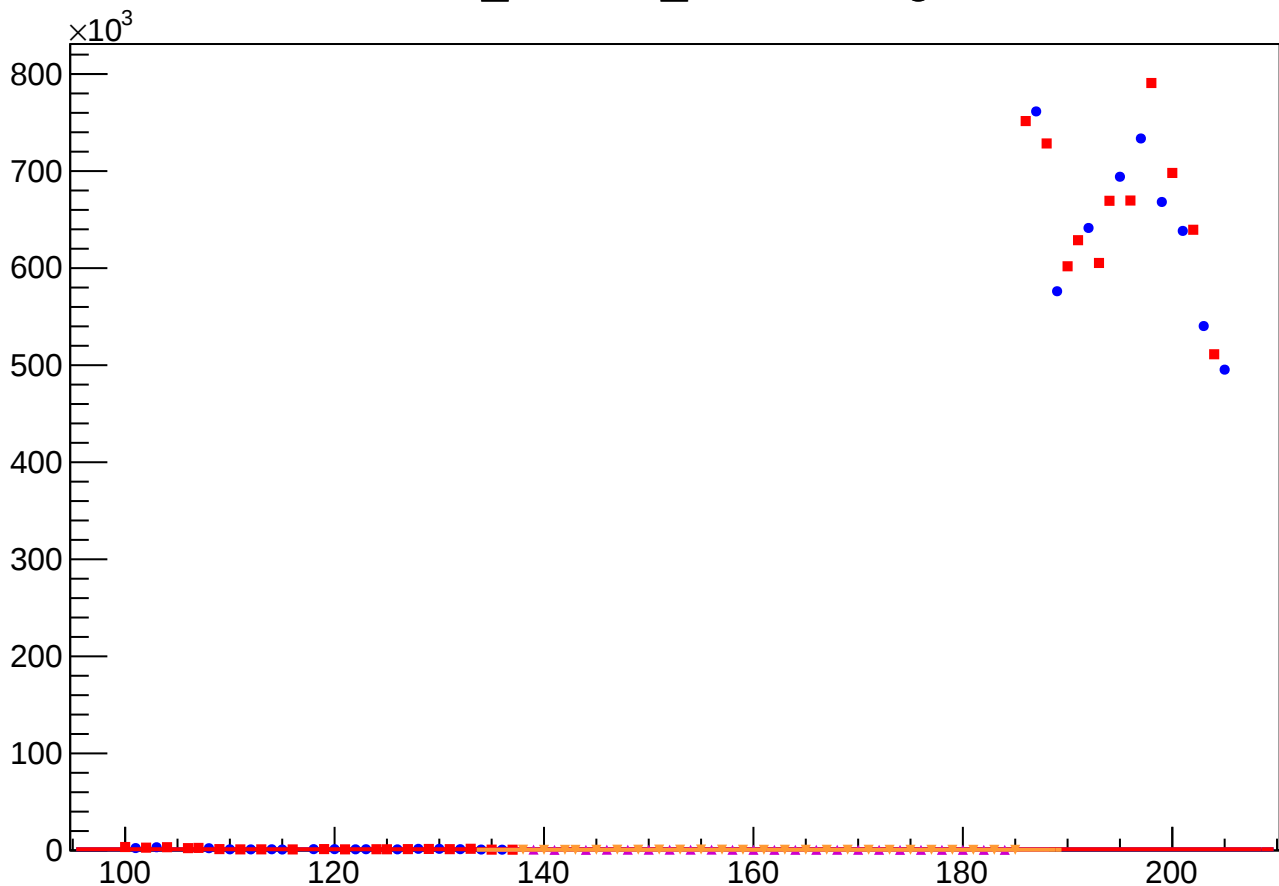
Left In: -0.018 ± 0.171 χ^2/NDF : 29.4/22

+ sign -0.769 ± 0.156 χ^2/NDF : 90.0/50

All: -0.438 ± 0.112 χ^2/NDF : 152.9/103

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

diff_cav4cX_rms vs Slug



Right In: 1169.481 ± 0.342 $\chi^2/\text{NDF}: 14072321.1/25$

Left Out: 700.984 ± 0.116 $\chi^2/\text{NDF}: 392855.4/24$

Right Out: 1250.577 ± 0.355 $\chi^2/\text{NDF}: 15569911.1/29$

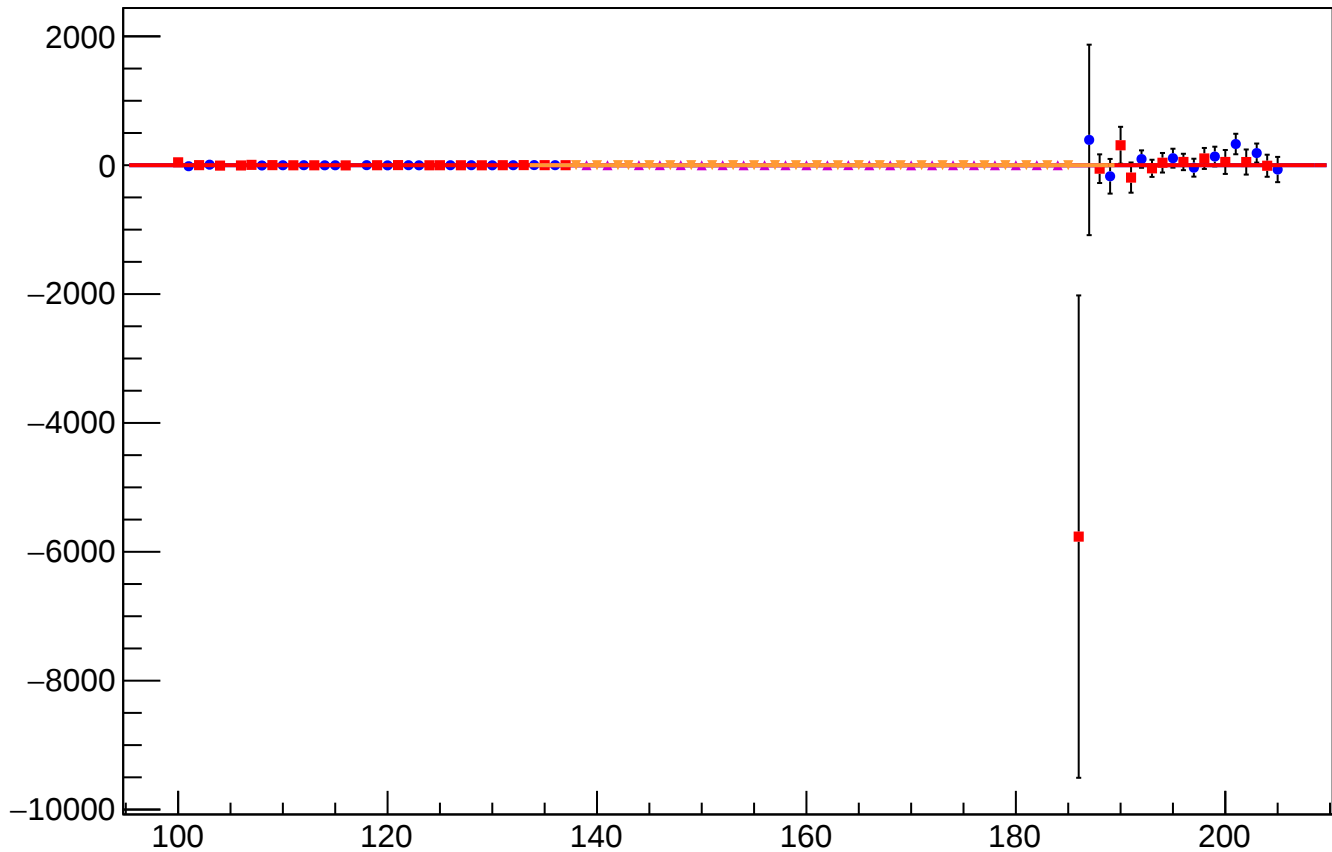
Left In: 706.971 ± 0.121 $\chi^2/\text{NDF}: 332011.4/22$

+ sign 749.697 ± 0.110 $\chi^2/\text{NDF}: 16150371.7/50$

All: 756.326 ± 0.079 $\chi^2/\text{NDF}: 34165733.3/10$

- sign 763.464 ± 0.114 $\chi^2/\text{NDF}: 18007841.3/52$

diff_cav4cY_mean vs Slug



Right In: -0.057 ± 0.269 χ^2/NDF : 27.5/25

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

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

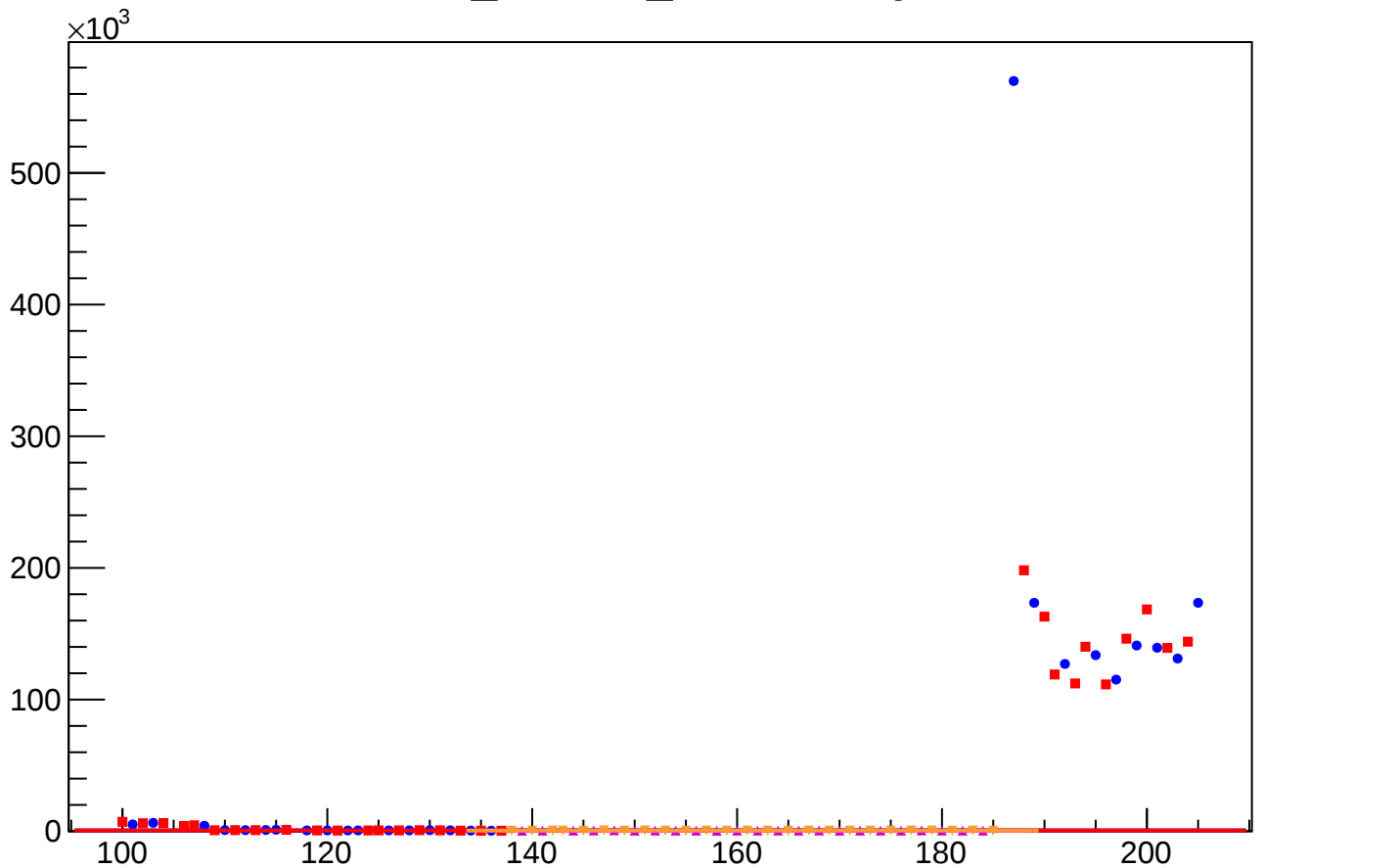
Left In: 0.126 ± 0.126 χ^2/NDF : 35.0/22

+ sign 0.183 ± 0.112 χ^2/NDF : 46.5/50

All: 0.169 ± 0.080 χ^2/NDF : 107.5/103

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

diff_cav4cY_rms vs Slug



Right In: 612.546 ± 0.190 χ^2/NDF : 15349458.6/25

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

Right Out: 602.055 ± 0.187 χ^2/NDF : 16557762.5/28

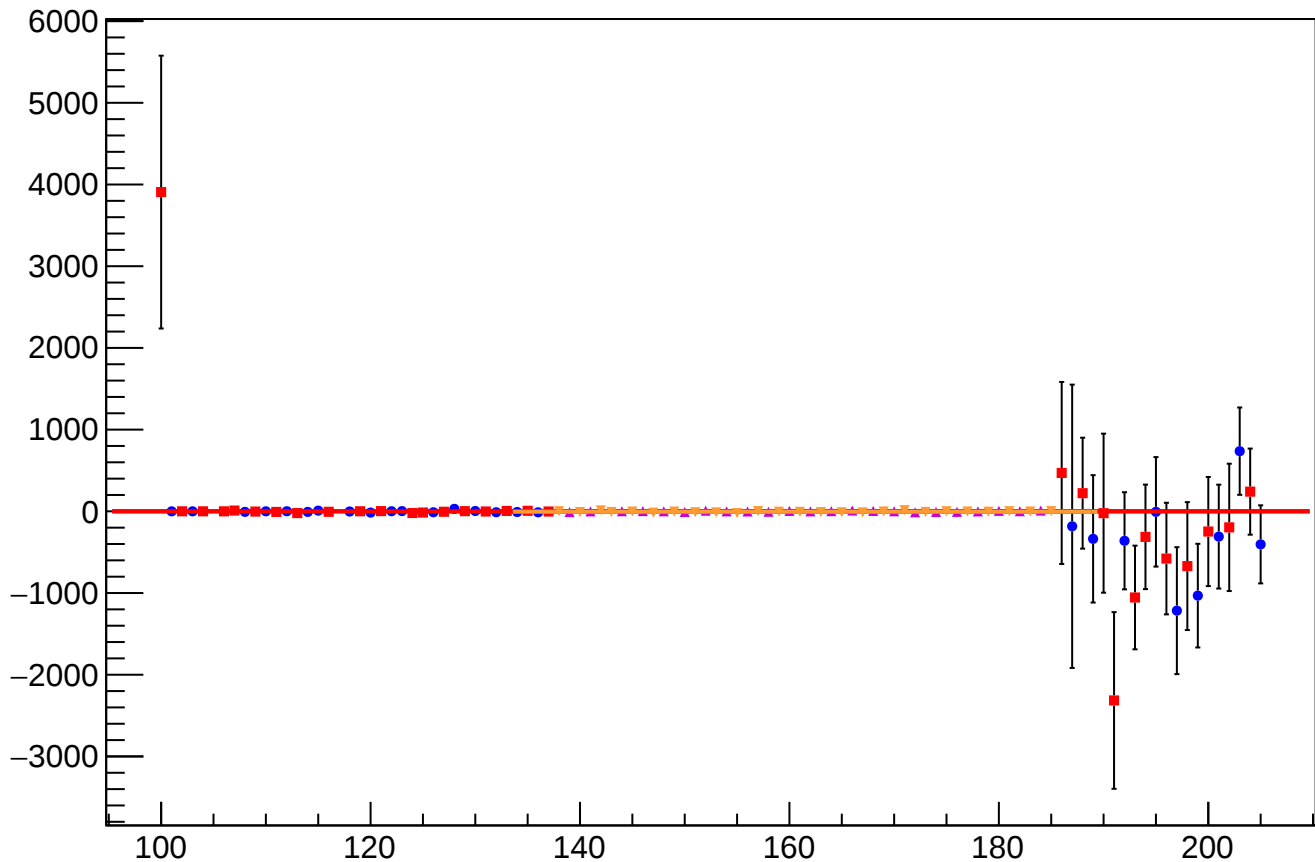
Left In: 520.700 ± 0.089 χ^2/NDF : 427720.5/22

+ sign 537.757 ± 0.079 χ^2/NDF : 15866585.8/50

All: 536.790 ± 0.056 χ^2/NDF : 33006604.4/100

- sign 535.783 ± 0.081 χ^2/NDF : 17139711.9/51

diff_cav4dX_mean vs Slug



Right In: -0.022+/-0.021 χ^2/NDF : 24.5/25

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

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

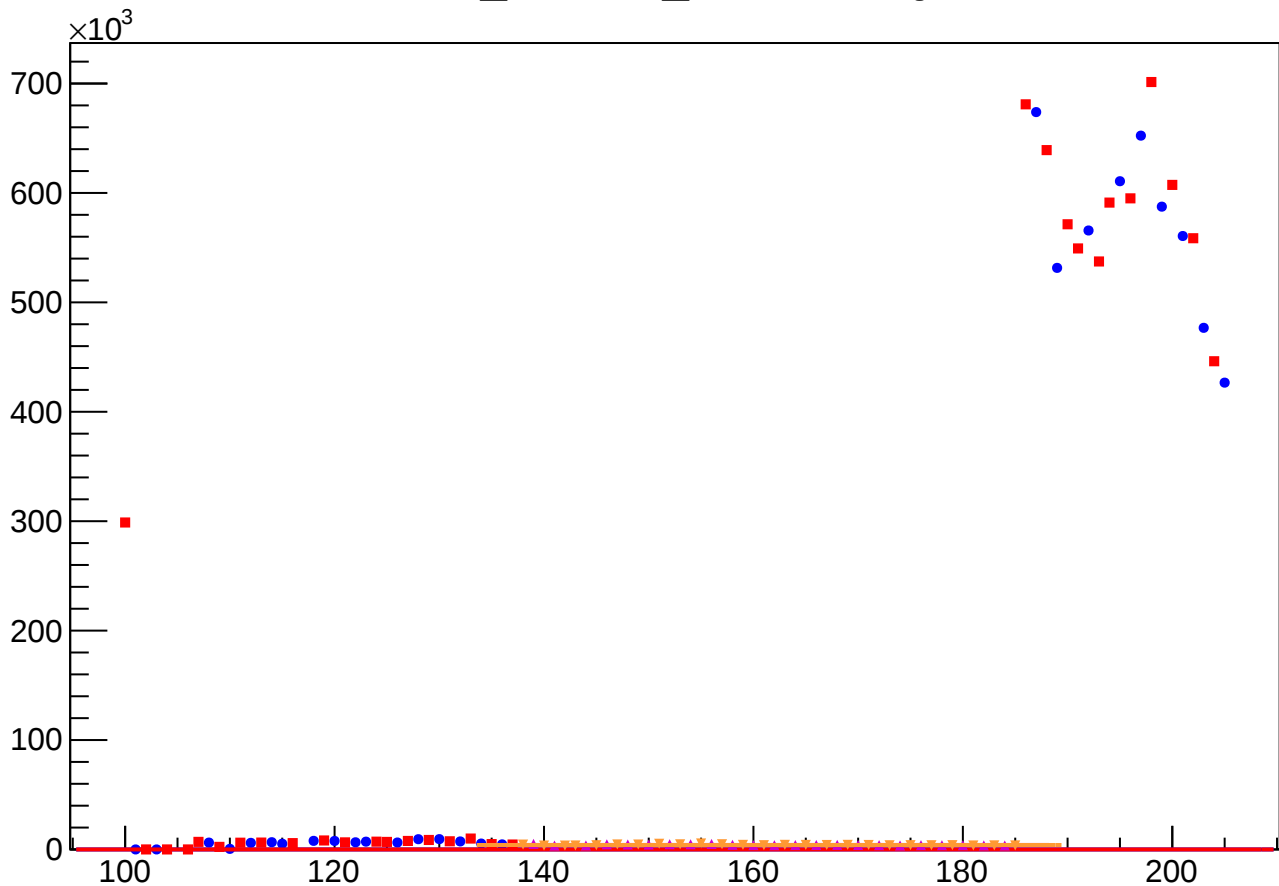
Left In: -0.183+/-0.994 χ^2/NDF : 29.5/22

+ sign -0.024+/-0.021 χ^2/NDF : 104.6/50

All: -0.025+/-0.014 χ^2/NDF : 161.3/103

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

diff_cav4dX_rms vs Slug



Right In: 17.344 ± 0.015 $\chi^2/\text{NDF}: 23027990.5/25$

Left Out: 4075.147 ± 0.677 $\chi^2/\text{NDF}: 417511.0/24$

Right Out: 17.272 ± 0.014 $\chi^2/\text{NDF}: 24852181.1/29$

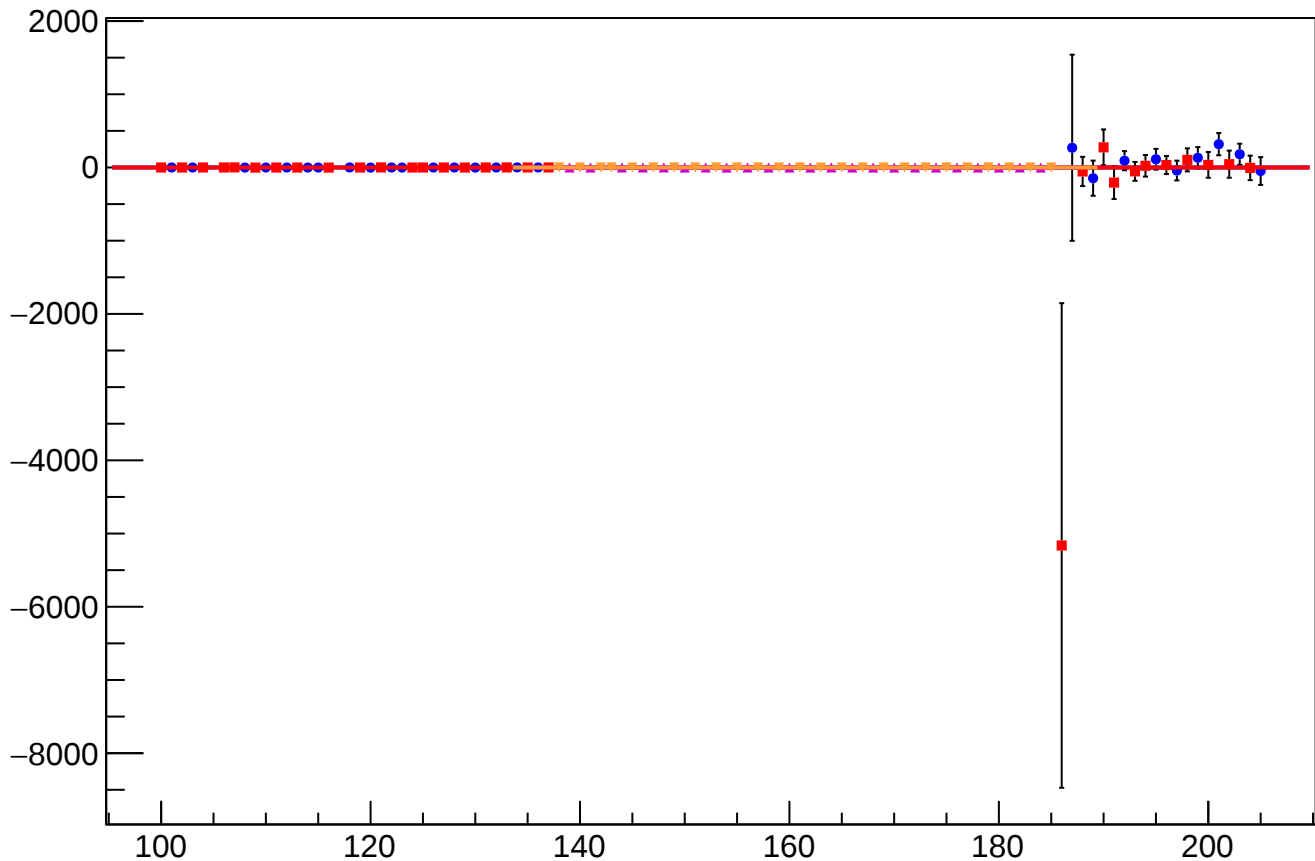
Left In: 4113.993 ± 0.703 $\chi^2/\text{NDF}: 349160.6/22$

+ sign 19.259 ± 0.015 $\chi^2/\text{NDF}: 59378071.1/50$

All: 19.067 ± 0.010 $\chi^2/\text{NDF}: 118535642.9/100$

- sign 18.893 ± 0.014 $\chi^2/\text{NDF}: 59157247.0/52$

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 22.1/25

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

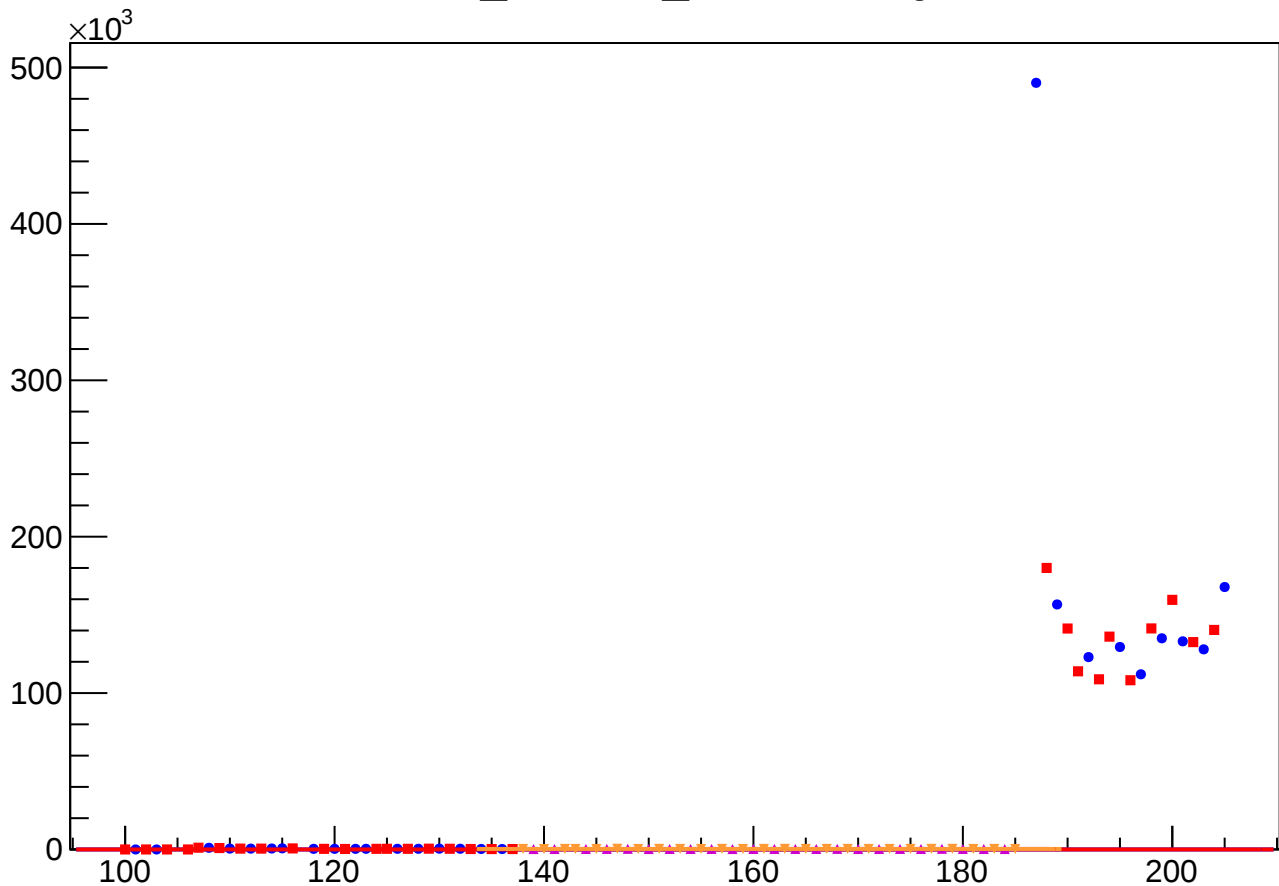
Left In: 0.080 $\pm$ 0.079 χ^2 /NDF:34.6/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 43.1/50

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 102.4/103

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

diff_cav4dY_rms vs Slug



Right In: 1.699 ± 0.001 χ^2/NDF : 23353935.5/25

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

Right Out: 1.728 ± 0.001 χ^2/NDF : 23871211.2/28

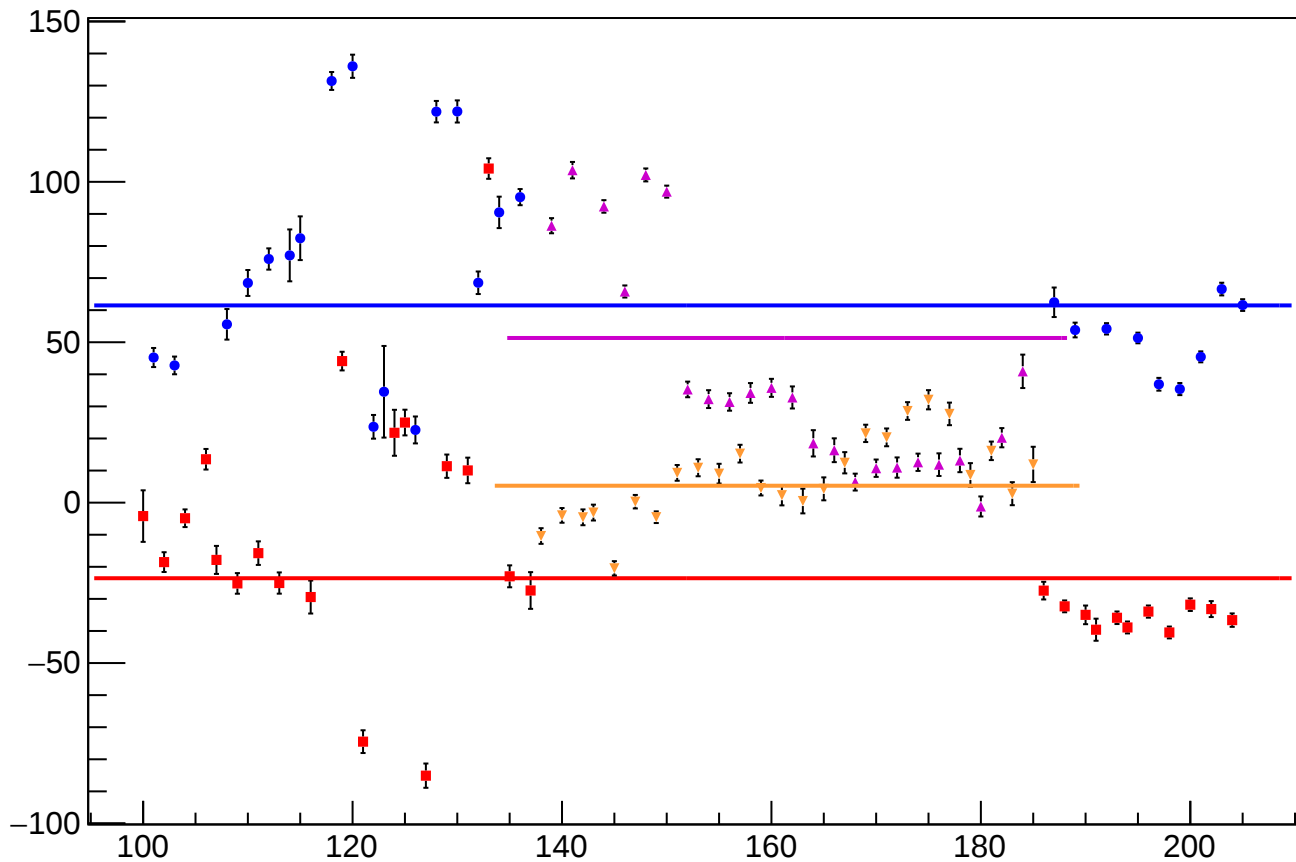
Left In: 325.626 ± 0.056 χ^2/NDF : 413350.0/22

+ sign 1.926 ± 0.001 χ^2/NDF : 59565802.7/50

All: 1.925 ± 0.001 χ^2/NDF : 117574909.4/102

- sign 1.924 ± 0.001 χ^2/NDF : 58009105.3/51

diff_bpm0i01X_mean vs Slug



Right In: 61.478 ± 0.526 χ^2/NDF : 2714.4/25

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

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

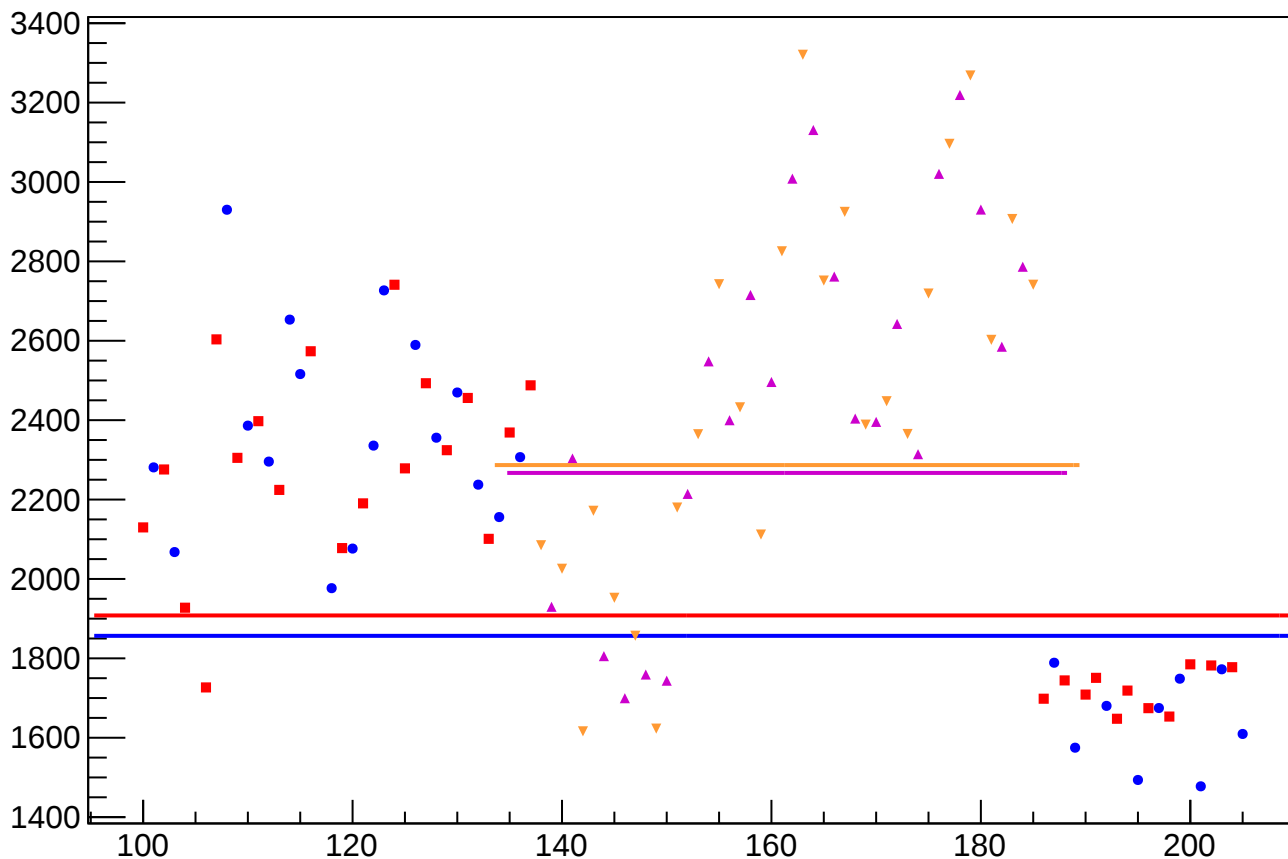
Left In: 51.328 ± 0.558 χ^2/NDF : 4257.8/22

+ sign 34.339 ± 0.378 χ^2/NDF : 8786.6/50

All: 22.502 ± 0.267 χ^2/NDF : 28267.2/103

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

diff_bpm0i01X_rms vs Slug



Right In: 1856.702 $\pm$ 0.372 χ^2 /NDF: 884087.5/25

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

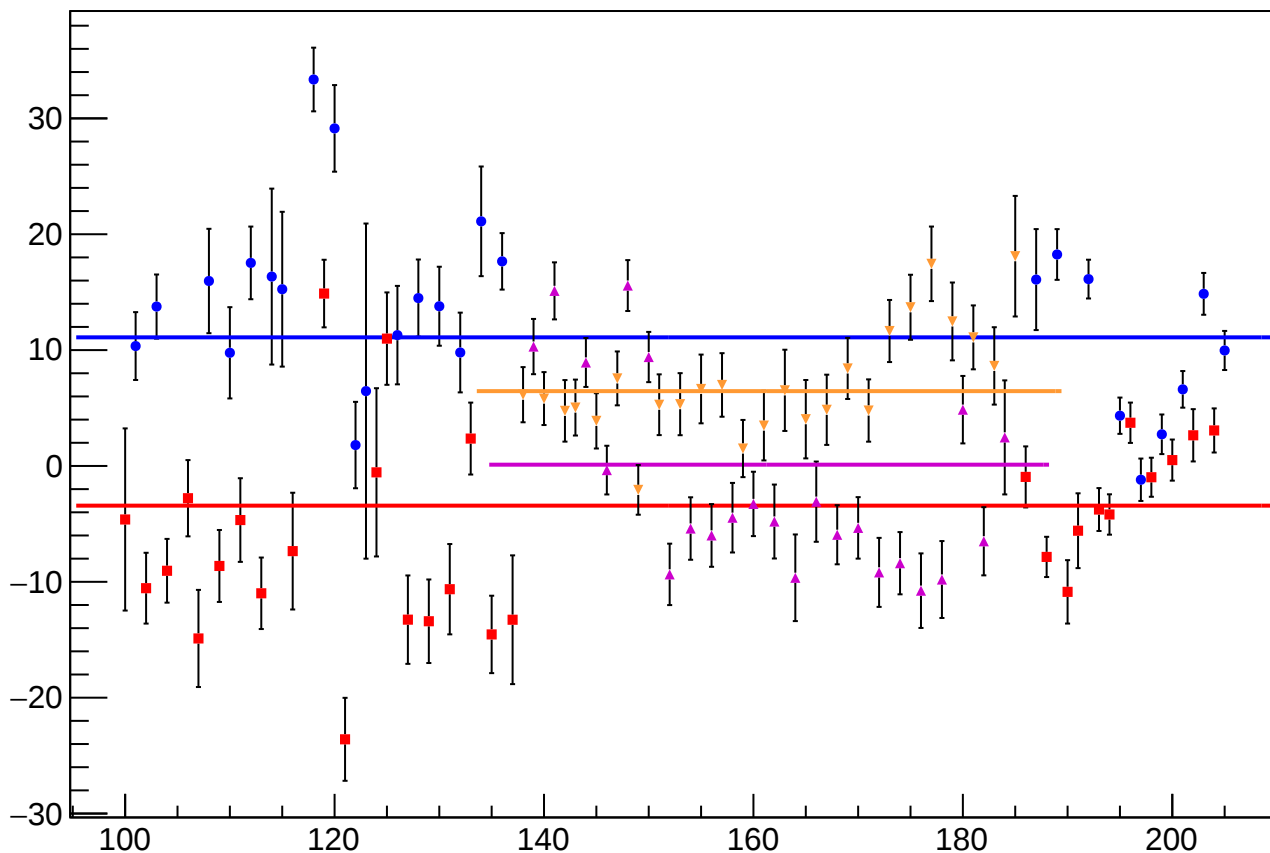
Left In: 2267.097 $\pm$ 0.395 χ^2 /NDF:1313364.4/22

+ sign 2064.423 $\pm$ 0.267 χ^2 /NDF: 2890856.4/50

All: 2068.367 $\pm$ 0.189 χ^2 /NDF: 5284127.4/10

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

diff_bpm0i01Y_mean vs Slug



Right In: 11.101 ± 0.498 χ^2/NDF : 237.7/25

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

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

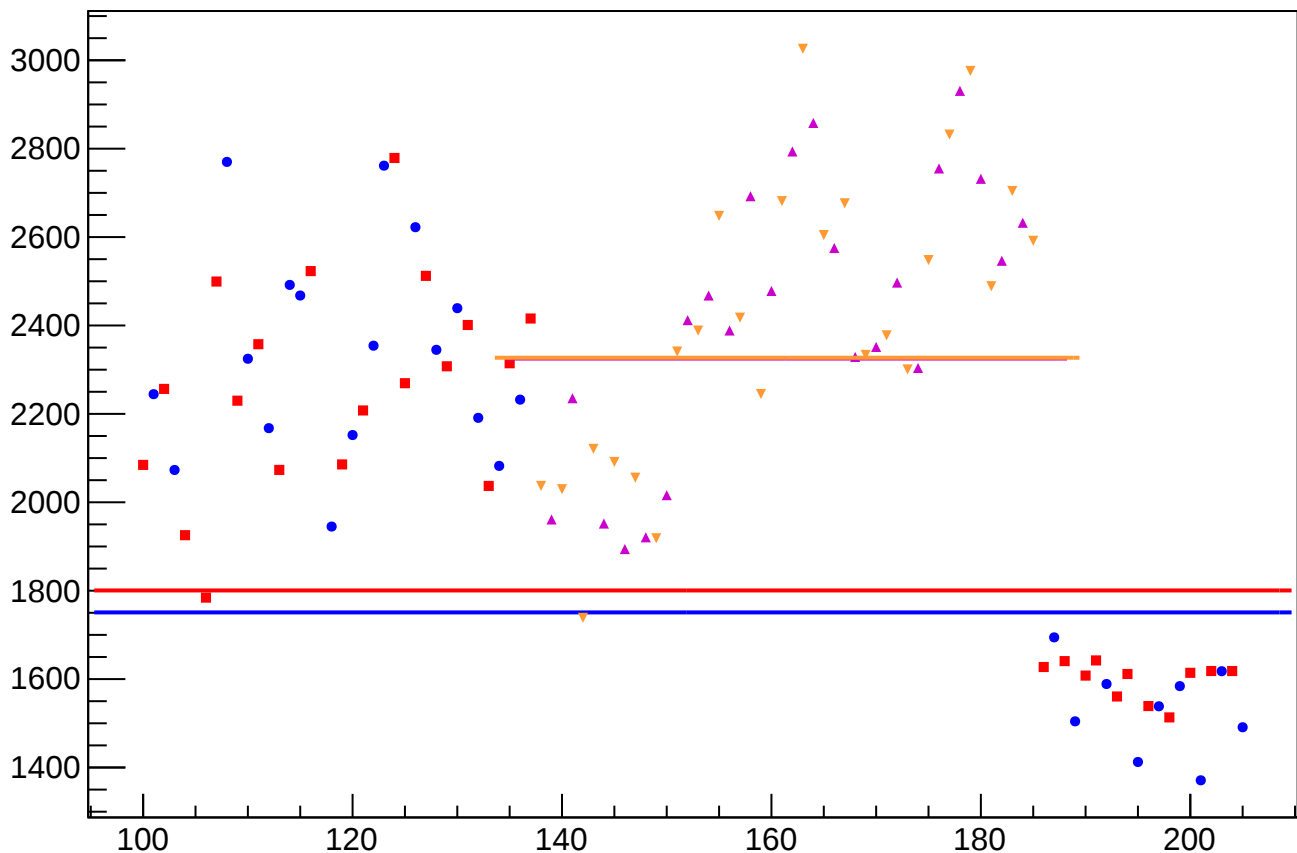
Left In: 0.110 ± 0.565 χ^2/NDF : 234.6/22

+ sign 9.001 ± 0.368 χ^2/NDF : 335.8/50

All: 3.539 ± 0.260 χ^2/NDF : 1237.6/103

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

diff_bpm0i01Y_rms vs Slug



Right In: 1750.859 $\pm$ 0.352 χ^2 /NDF: 1108999.8/25

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

Right Out: 1800.531 $\pm$ 0.343 χ^2 /NDF: 852670.7/29

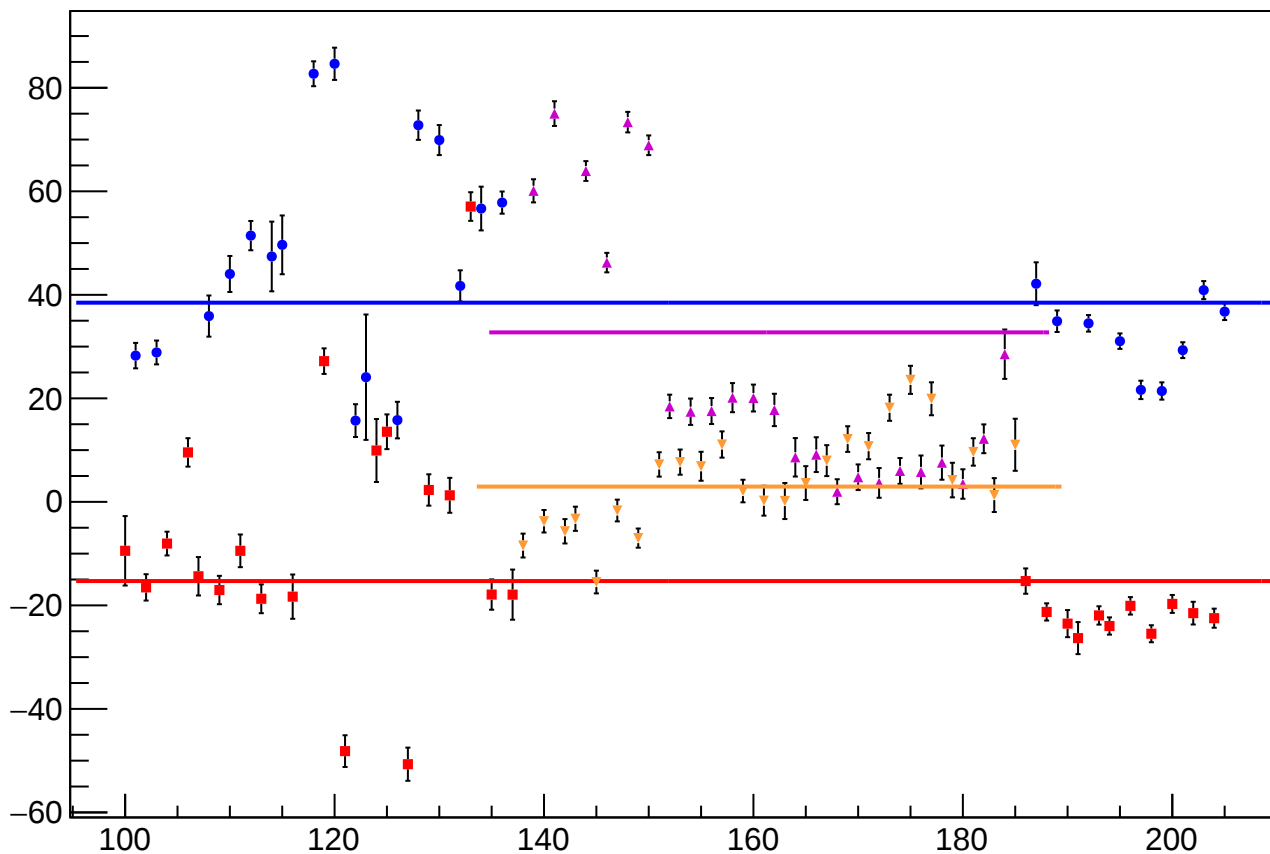
Left In: 2325.175 $\pm$ 0.400 χ^2 /NDF: 610729.2/22

+ sign 2011.483 $\pm$ 0.260 χ^2 /NDF: 2968573.6/50

All: 2017.391 $\pm$ 0.184 χ^2 /NDF: 5424715.1/10

- sign 2023.300 $\pm$ 0.260 χ^2 /NDF: 2455111.8/52

diff_bpm0i01aX_mean vs Slug



Right In: 38.485 ± 0.461 χ^2/NDF : 1349.9/25

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

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

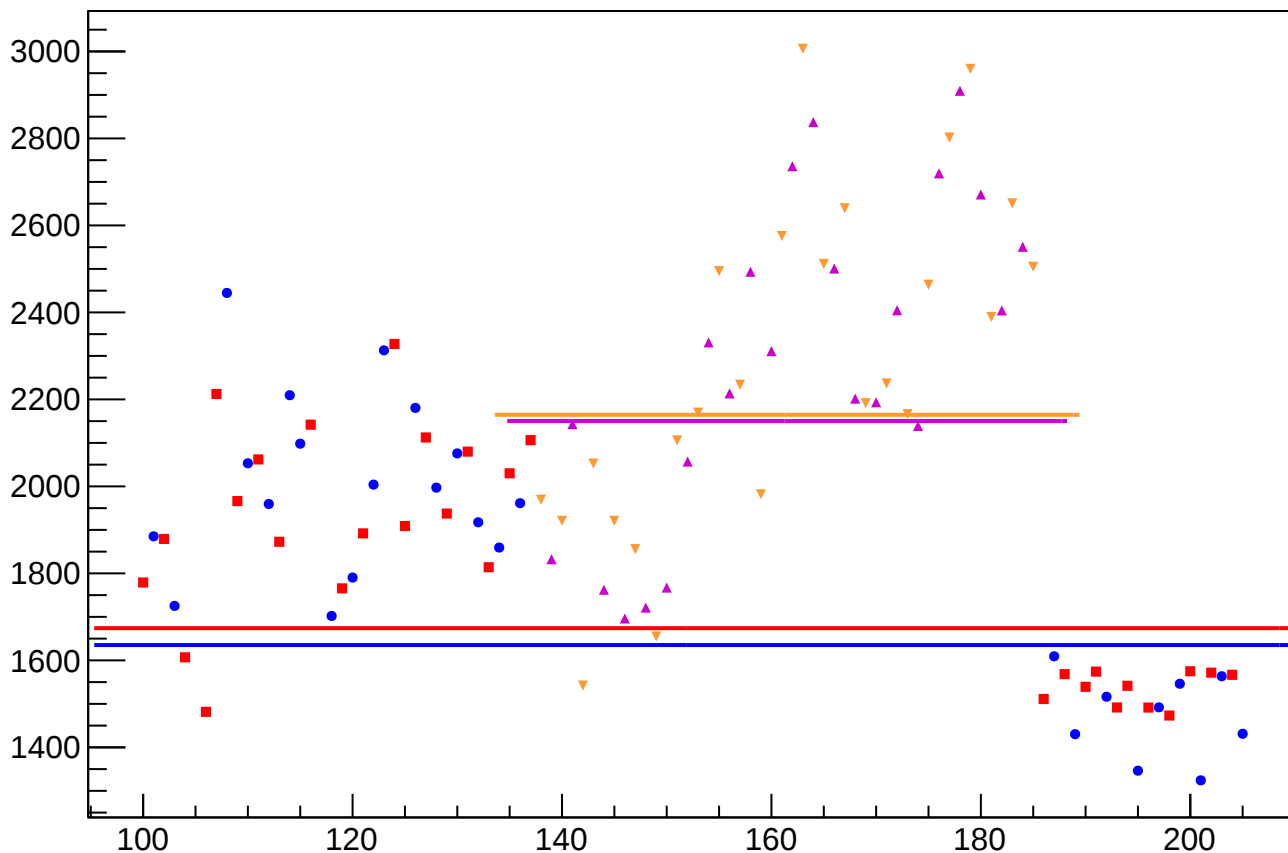
Left In: 32.745 ± 0.526 χ^2/NDF : 2632.5/22

+ sign 22.581 ± 0.342 χ^2/NDF : 4349.1/50

All: 13.714 ± 0.242 χ^2/NDF : 14766.6/103

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

diff_bpm0i01aX_rms vs Slug



Right In: 1635.262 $\pm$ 0.326 χ^2 /NDF: 667194.7/25

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

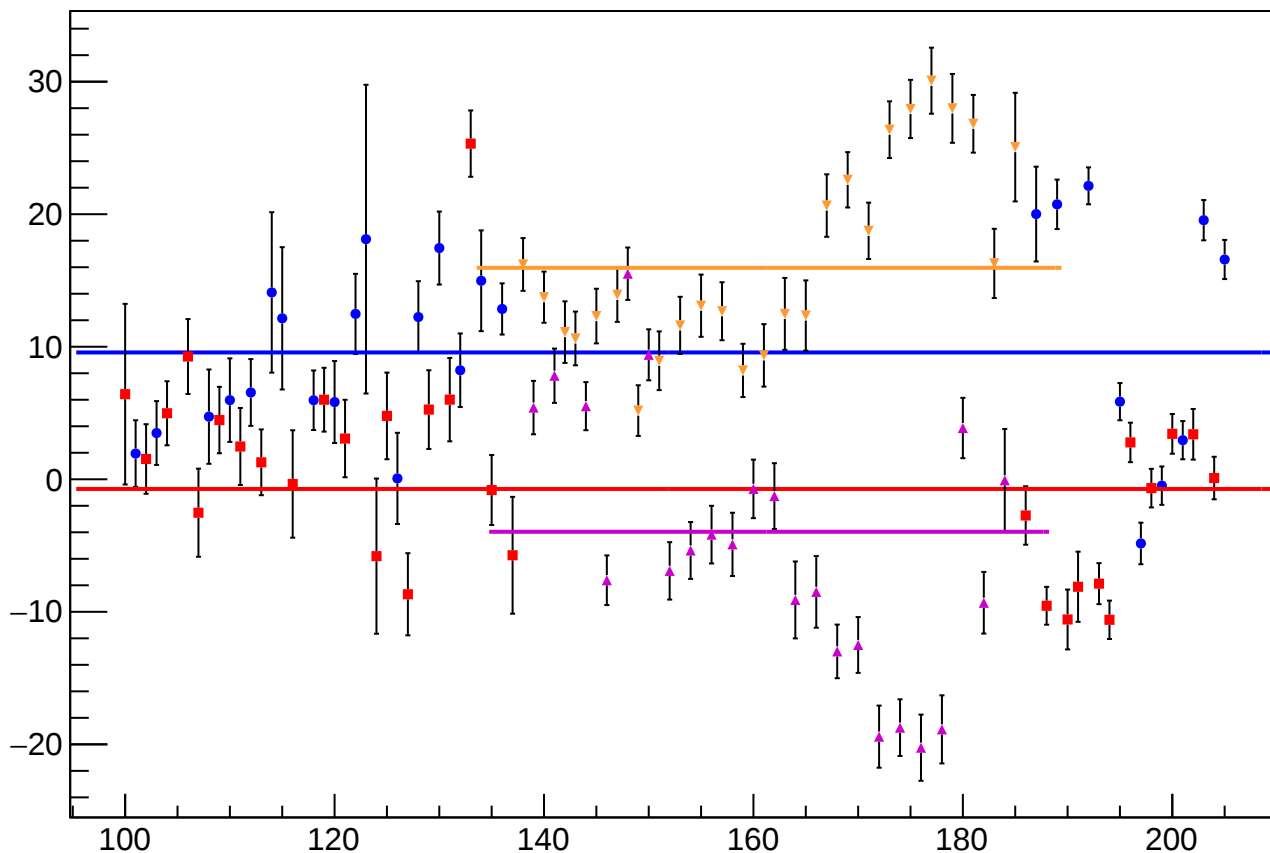
Left In: 2150.190 $\pm$ 0.372 χ^2 /NDF: 911849.7/22

+ sign 1872.174 $\pm$ 0.242 χ^2 /NDF: 2813942.9/50

All: 1873.251 $\pm$ 0.171 χ^2 /NDF: 5136046.0/10

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

diff_bpm0i01aY_mean vs Slug



Right In: 9.570 ± 0.422 χ^2/NDF : 400.7/25

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

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

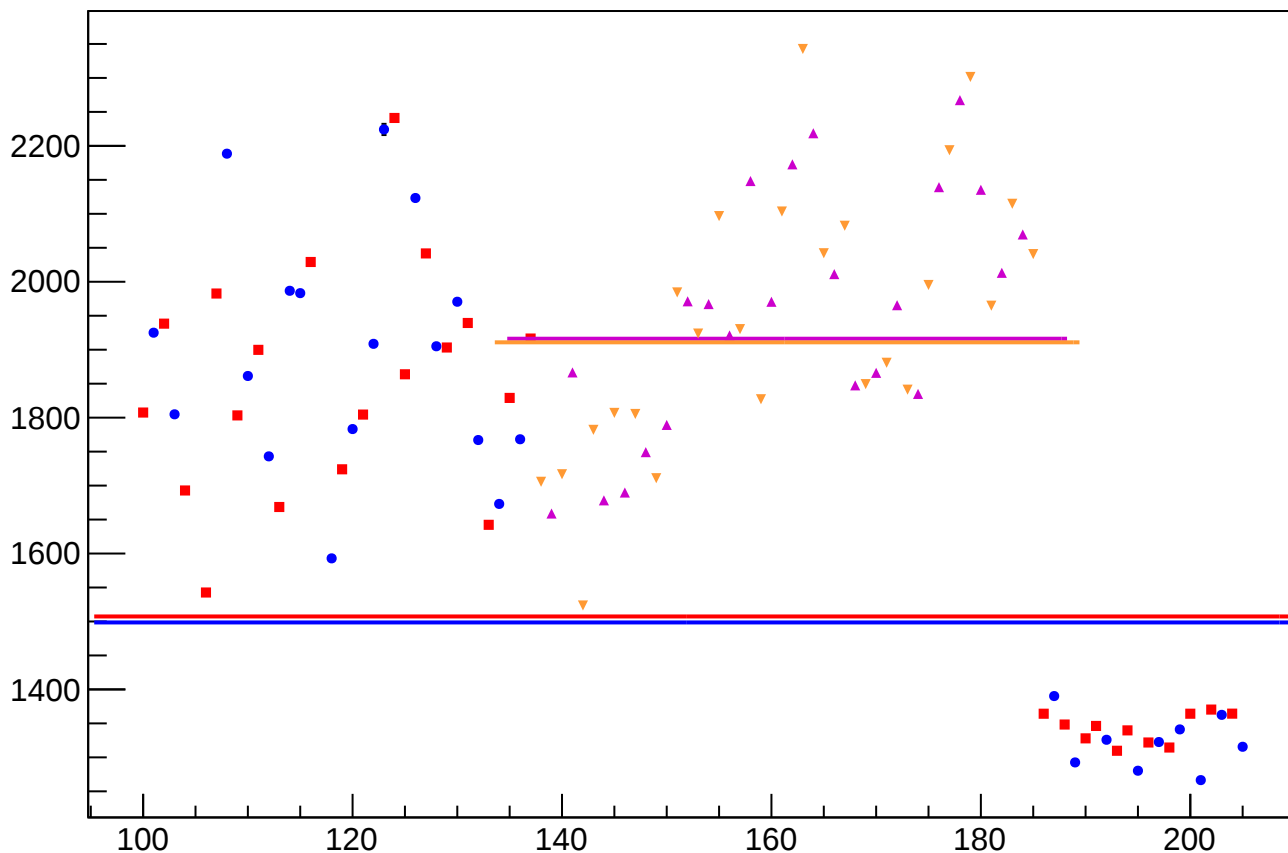
Left In: -3.960 ± 0.463 χ^2/NDF : 464.9/22

+ sign 12.576 ± 0.307 χ^2/NDF : 753.8/50

All: 5.169 ± 0.216 χ^2/NDF : 2718.5/103

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

diff_bpm0i01aY_rms vs Slug



Right In: 1498.576 $\pm$ 0.298 χ^2 /NDF: 789623.3/25

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

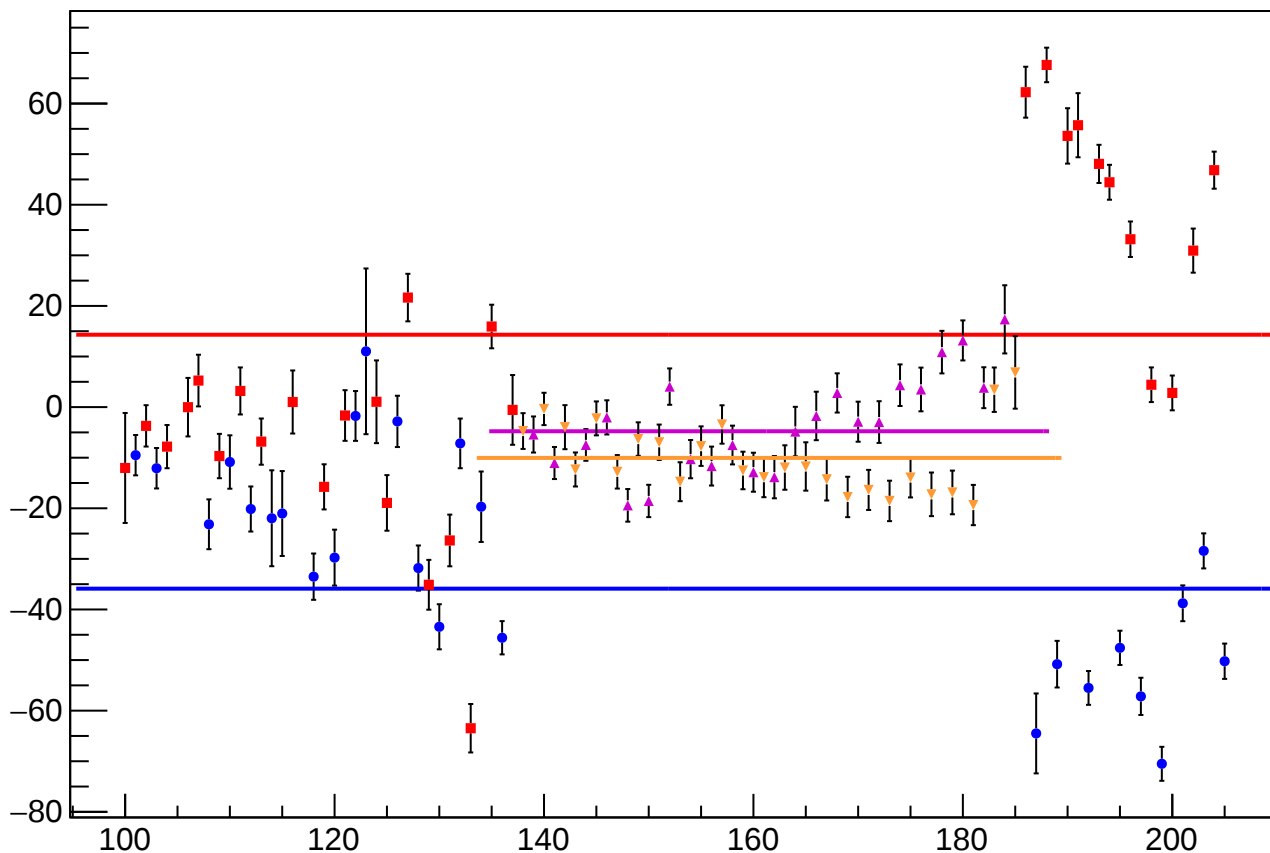
Left In: 1916.159 $\pm$ 0.327 χ^2 /NDF: 274285.3/22

+ sign 1692.661 $\pm$ 0.217 χ^2 /NDF: 2017411.9/50

All: 1688.609 $\pm$ 0.153 χ^2 /NDF: 3893478.4/10

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

diff_bpm0l01X_mean vs Slug



Right In: -35.886 ± 0.862 χ^2/NDF : 510.7/25

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

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

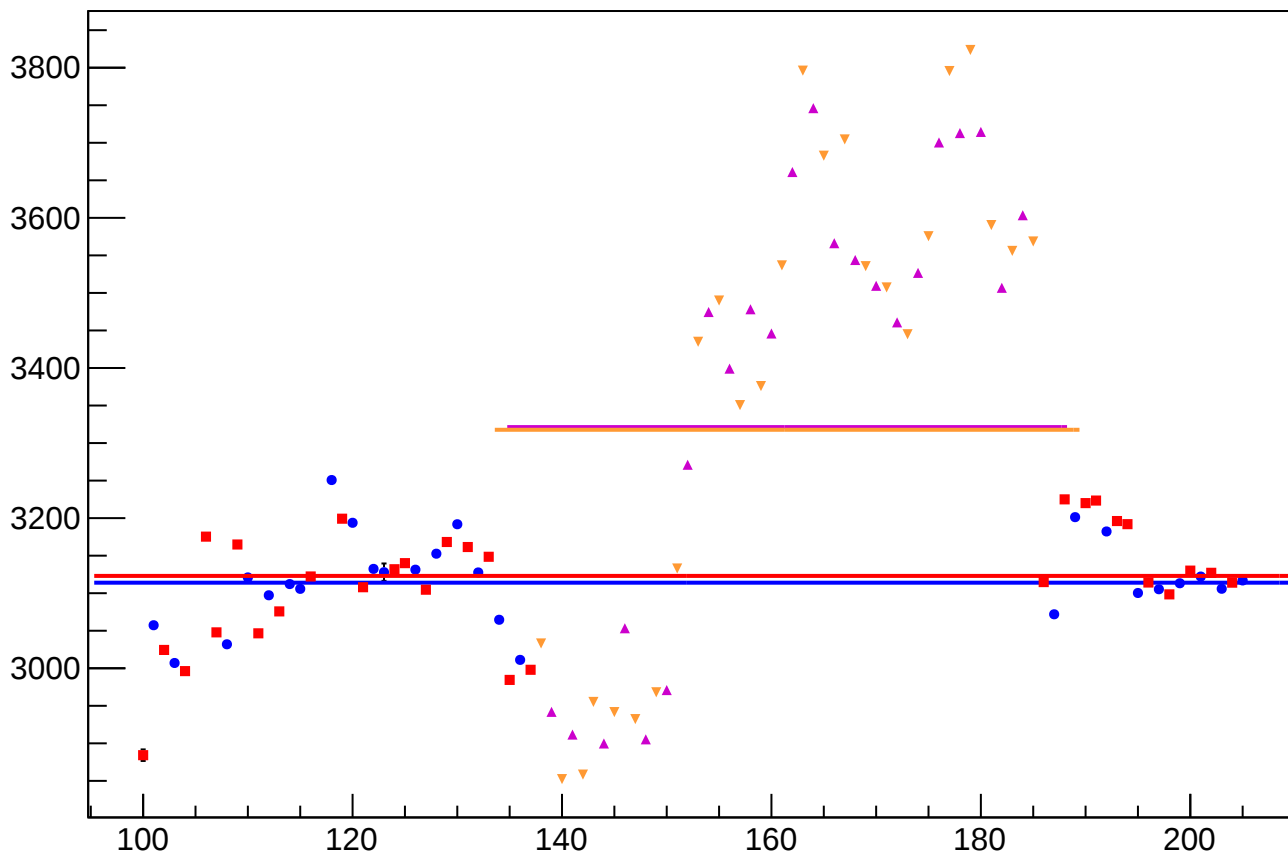
Left In: -4.774 ± 0.800 χ^2/NDF : 128.5/22

+ sign -21.618 ± 0.577 χ^2/NDF : 1074.2/50

All: -8.548 ± 0.407 χ^2/NDF : 3881.7/103

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

diff_bpm0l01X_rms vs Slug



Right In: 3114.005 ± 0.609 χ^2/NDF : 9190.8/25

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

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

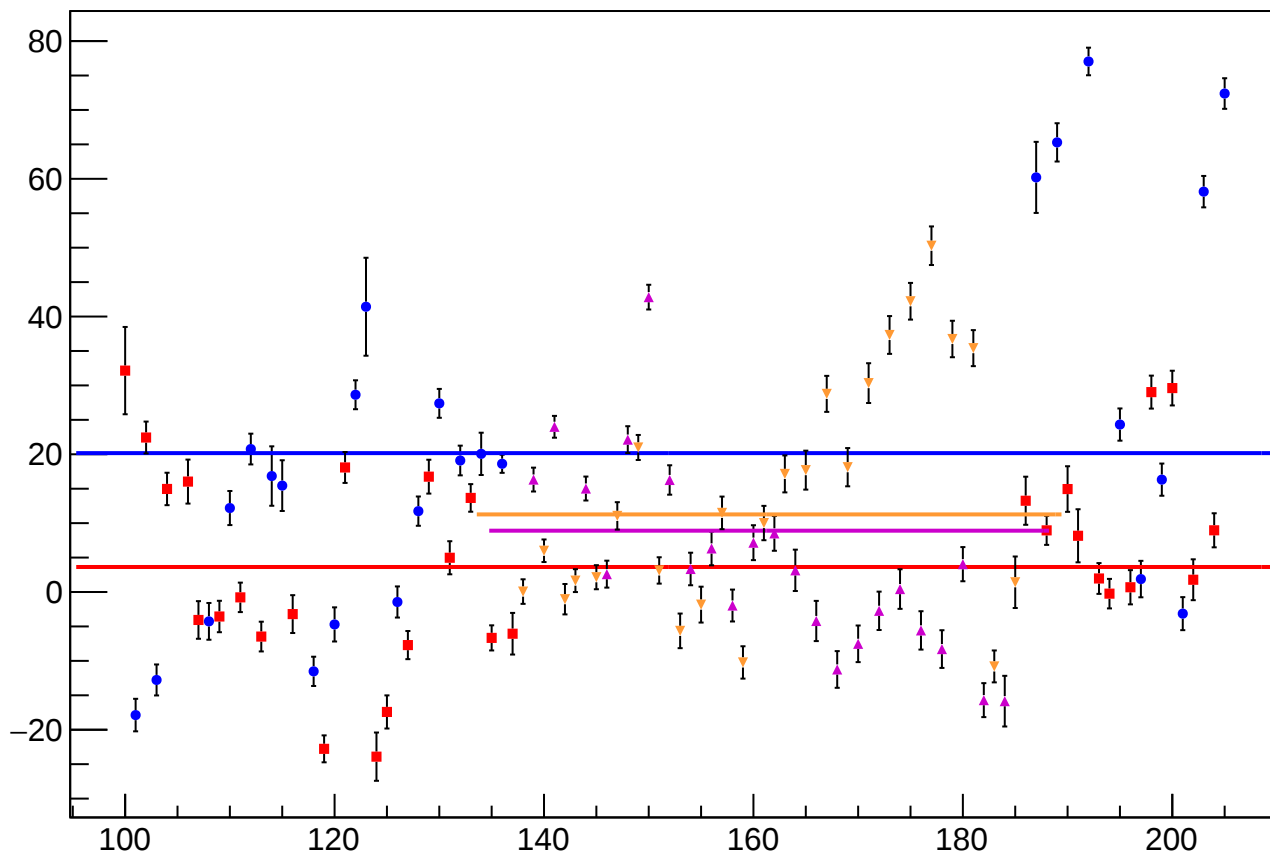
Left In: 3321.275 ± 0.566 χ^2/NDF : 284334.2/22

+ sign 3226.458 ± 0.408 χ^2/NDF : 407740.9/50

All: 3225.940 ± 0.288 χ^2/NDF : 765142.7/103

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

diff_bpm0l01Y_mean vs Slug



Right In: 20.167 $\pm$ 0.462 χ^2 /NDF: 3146.1/25

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

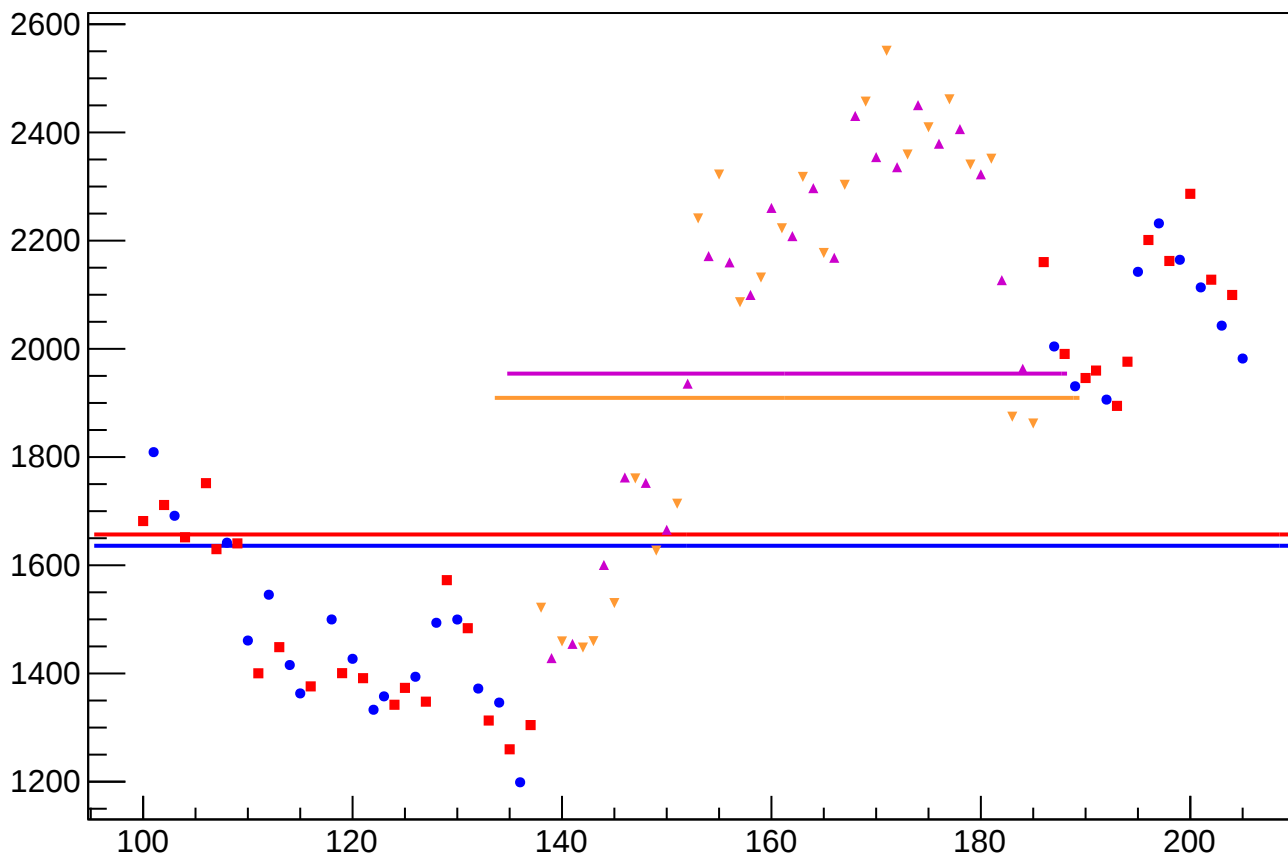
Left In: 8.905 $\pm$ 0.478 χ^2 /NDF:936.3/22

+ sign 15.640 $\pm$ 0.324 χ^2 /NDF: 4476.4/50

All: 10.907 $\pm$ 0.230 χ^2 /NDF: 6826.7/103

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

diff_bpm0l01Y_rms vs Slug



Right In: 1636.043 $\pm$ 0.327 χ^2 /NDF: 976124.4/25

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

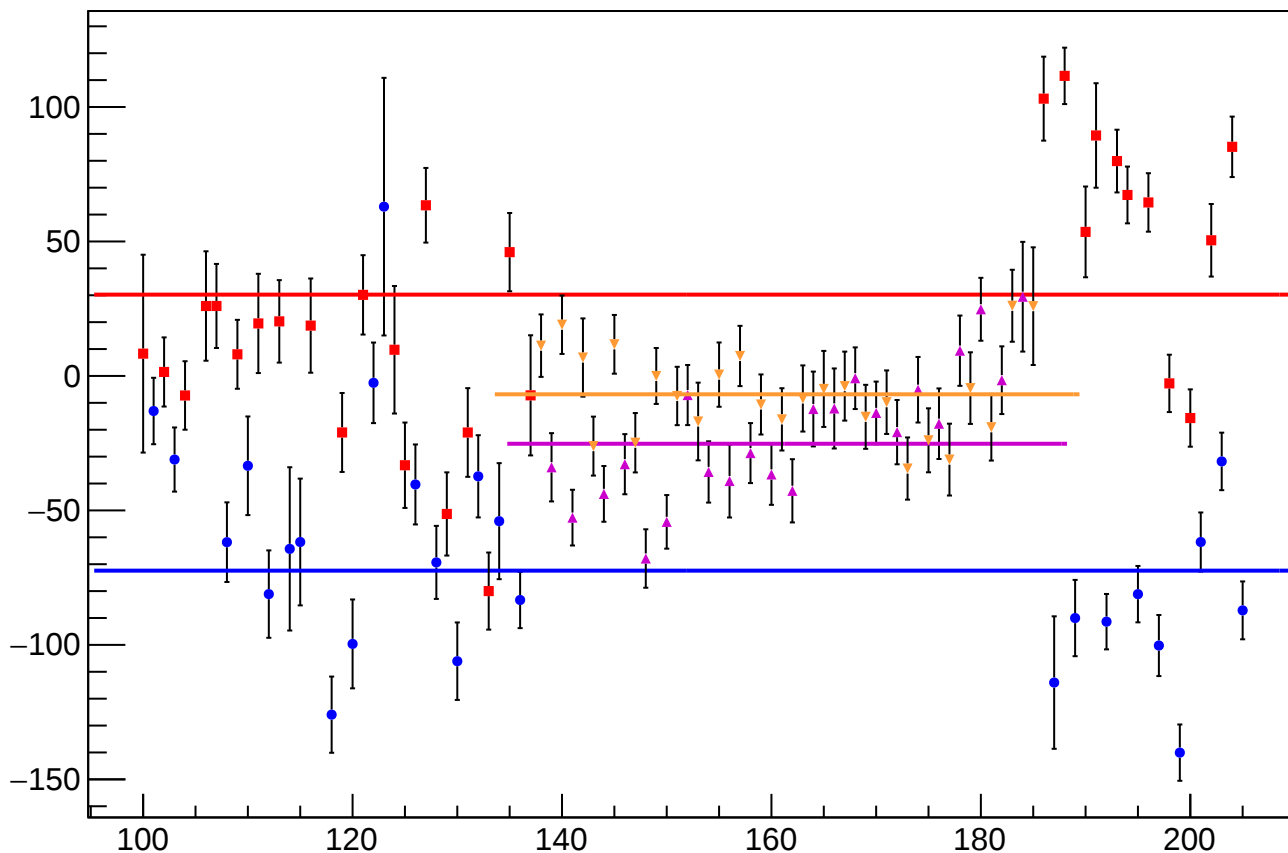
Left In: 1954.236 $\pm$ 0.338 χ^2 /NDF:1044826.7/22

+ sign 1775.110 $\pm$ 0.229 χ^2 /NDF: 2730202.2/50

All: 1785.494 $\pm$ 0.163 χ^2 /NDF: 5219333.0/10

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

diff_bpm0l02X_mean vs Slug



Right In: -72.396 ± 2.679 χ^2/NDF : 178.2/25

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

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

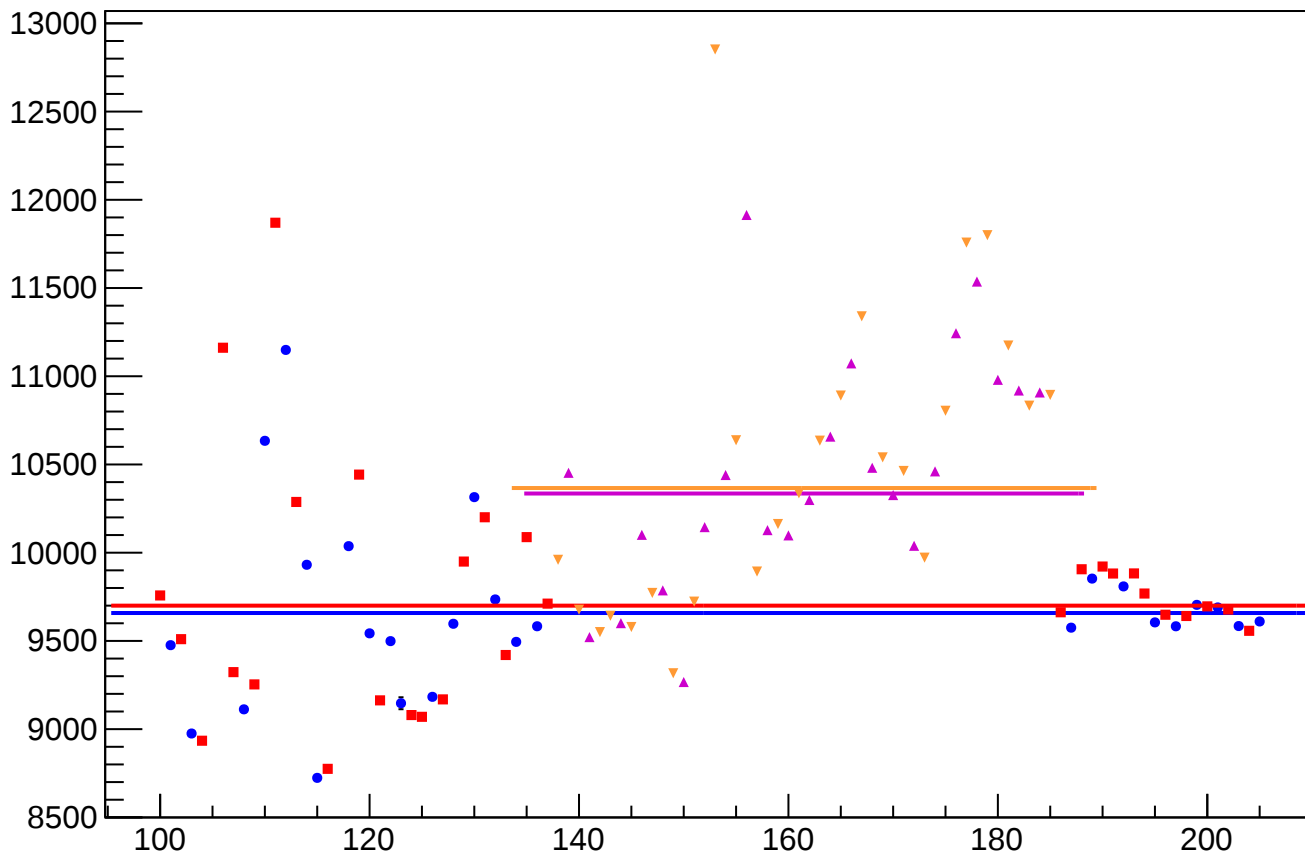
Left In: -25.215 ± 2.487 χ^2/NDF : 89.3/22

+ sign -36.326 ± 1.797 χ^2/NDF : 550.2/50

All: -17.311 ± 1.268 χ^2/NDF : 1443.7/103

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

diff_bpm0l02X_rms vs Slug



Right In: 9658.192 $\pm$ 1.894 χ^2 /NDF: 45174.3/25

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

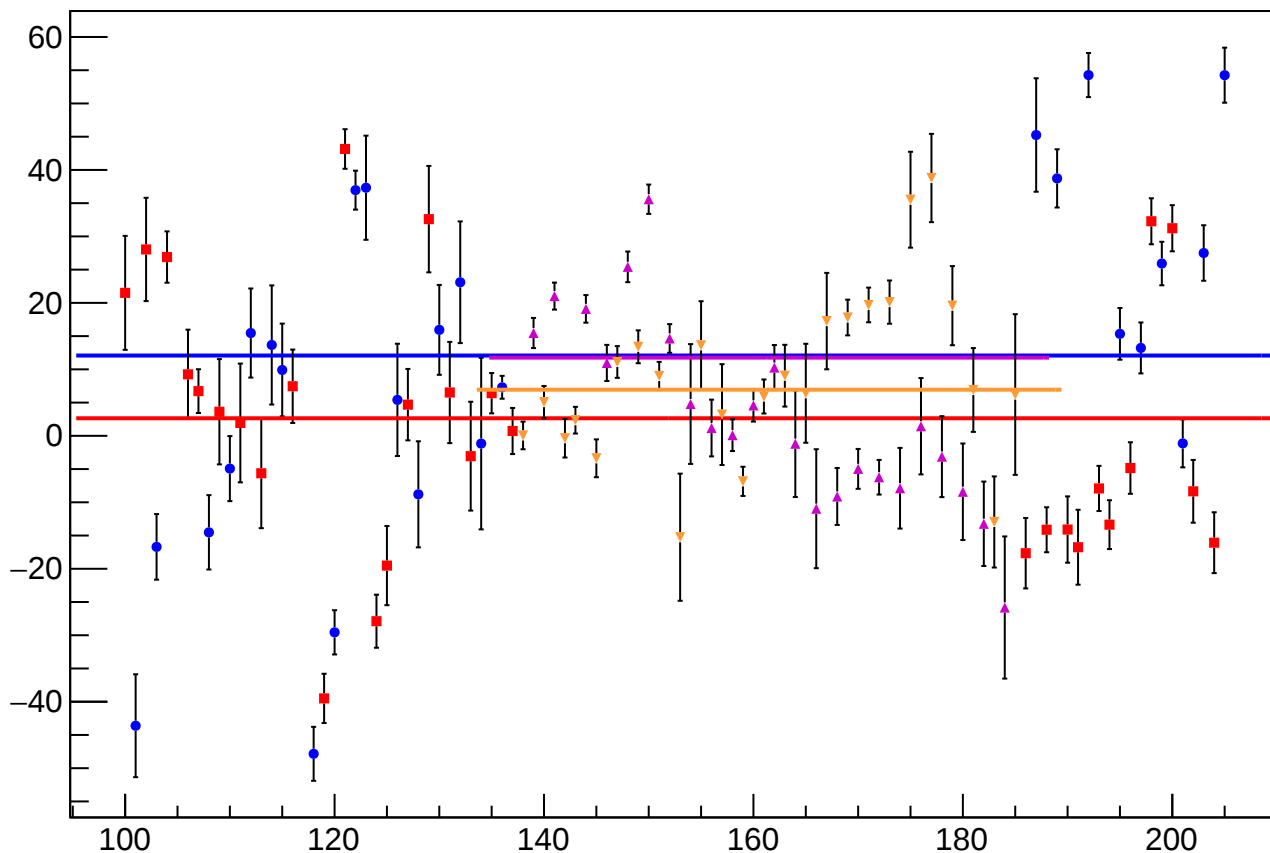
Left In: 10335.399 $\pm$ 1.758 χ^2 /NDF:127173.0/22

+ sign 10047.836 $\pm$ 1.270 χ^2 /NDF: 333510.1/50

All: 10038.278 $\pm$ 0.896 χ^2 /NDF: 603650.3/10

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

diff_bpm0l02Y_mean vs Slug



Right In: 12.080 ± 0.829 $\chi^2/\text{NDF}: 959.1/25$

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

Right Out: 2.641 ± 0.811 $\chi^2/\text{NDF}: 721.2/29$

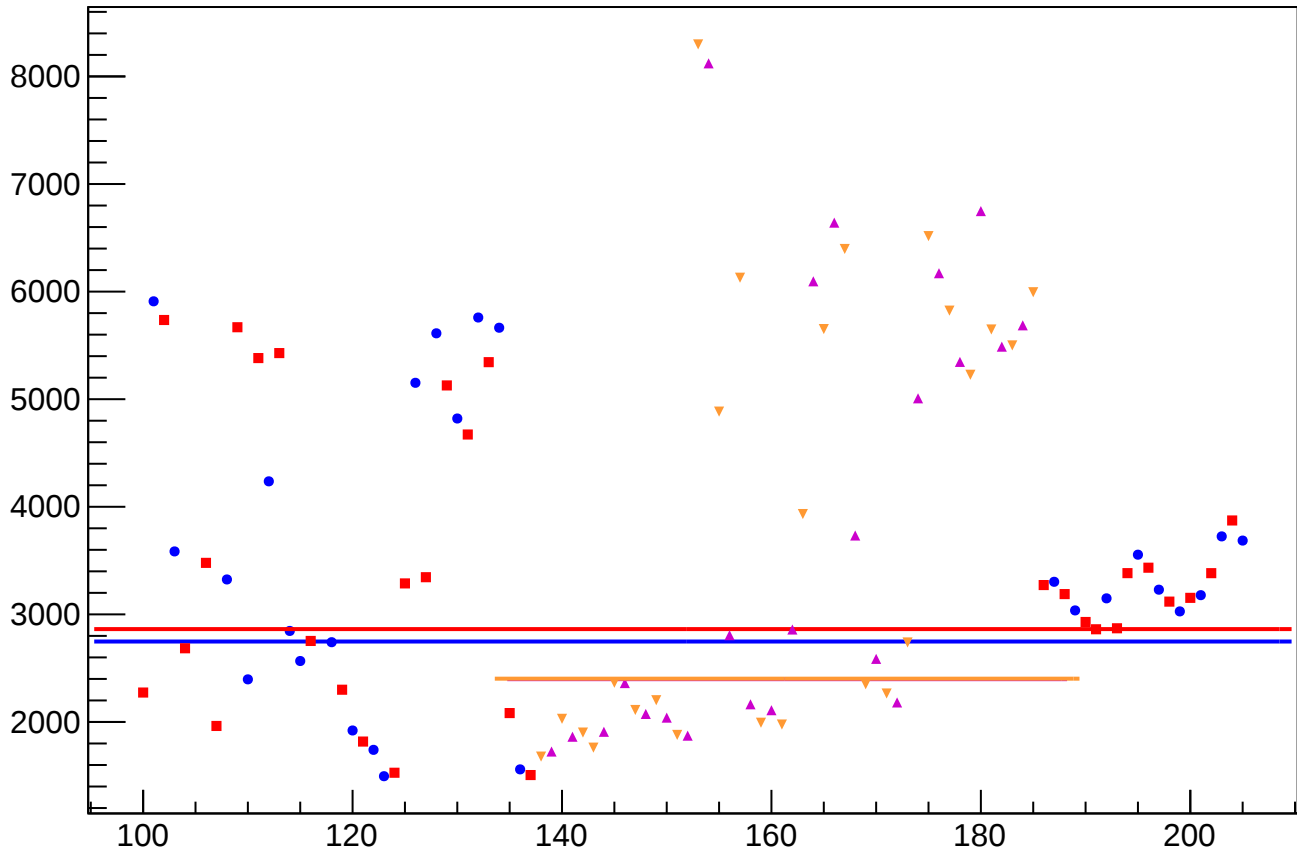
Left In: 11.766 ± 0.648 $\chi^2/\text{NDF}: 395.1/22$

+ sign 8.854 ± 0.506 $\chi^2/\text{NDF}: 1187.1/50$

All: 8.532 ± 0.358 $\chi^2/\text{NDF}: 2381.4/103$

- sign 8.209 ± 0.506 $\chi^2/\text{NDF}: 1193.5/52$

diff_bpm0l02Y_rms vs Slug



Right In: 2747.710+/-0.586 χ^2/NDF : 3234880.1/25

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

Right Out: 2863.195+/-0.574 χ^2/NDF : 2756536.2/29

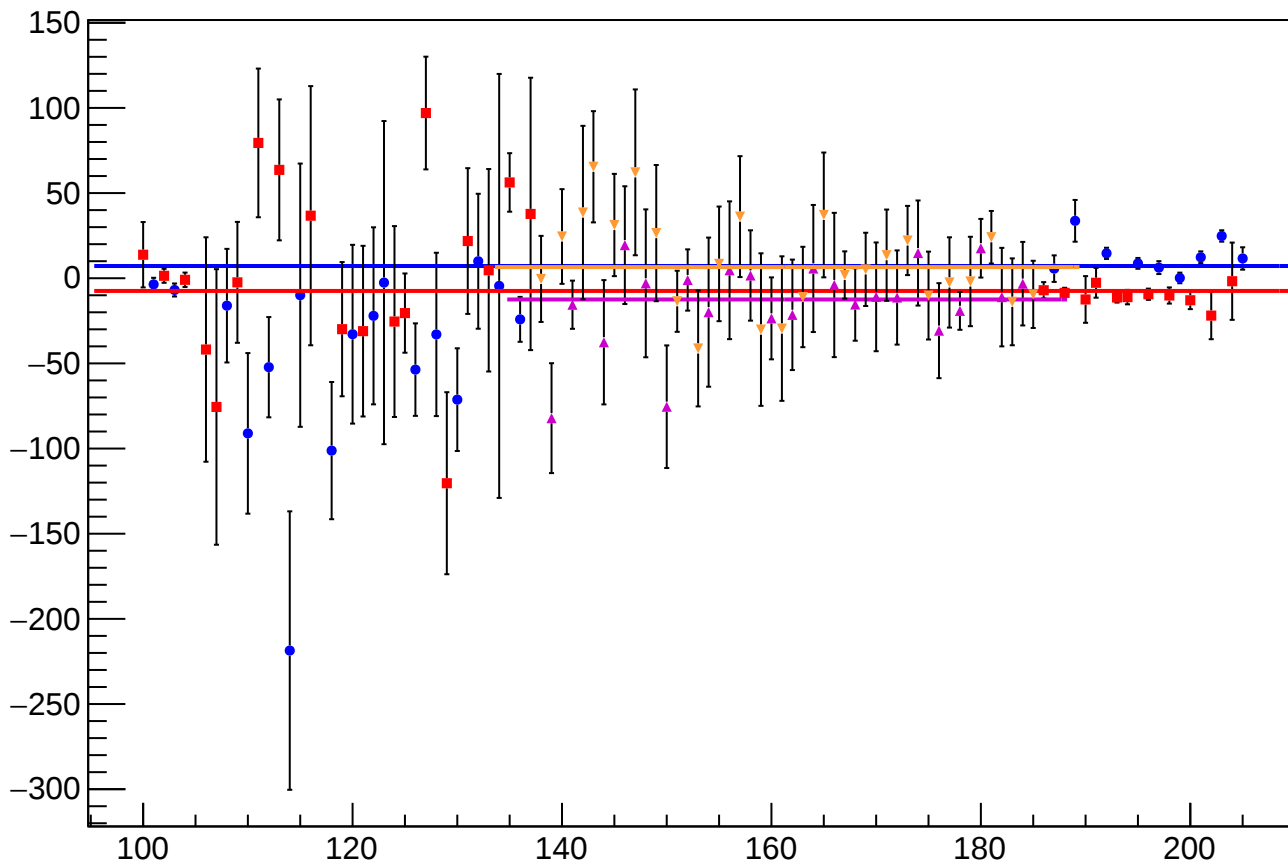
Left In: 2397.701+/-0.458 χ^2/NDF : 5398920.1/22

+ sign 2531.002+/-0.358 χ^2/NDF : 9798641.4/50

All: 2555.060+/-0.253 χ^2/NDF : 18365038.5/100

- sign 2579.163+/-0.358 χ^2/NDF : 8557345.9/52

diff_bpm0l03X_mean vs Slug



Right In: 7.175 ± 1.167 χ^2/NDF : 109.9/25

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

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

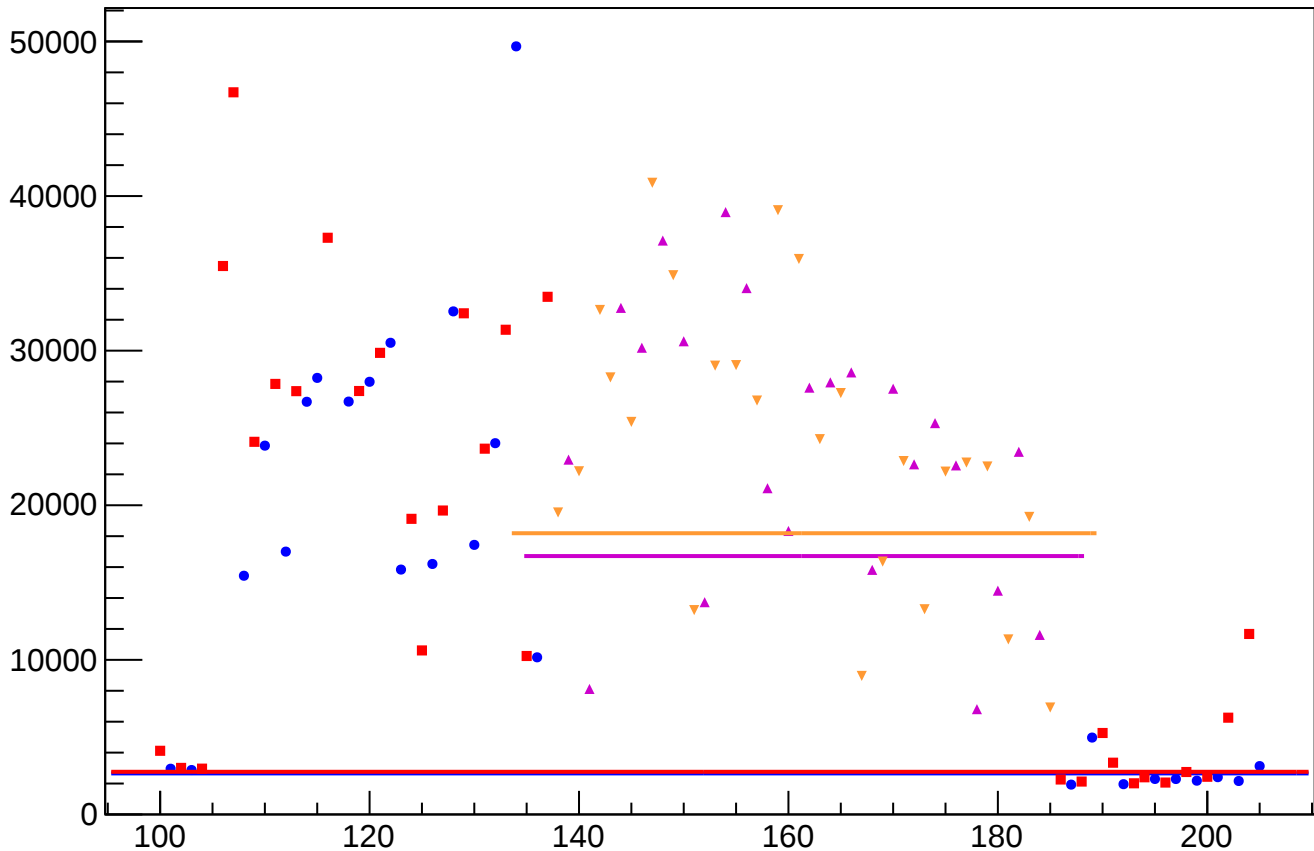
Left In: -12.469 ± 5.025 χ^2/NDF : 15.4/22

+ sign 7.144 ± 1.138 χ^2/NDF : 126.7/50

All: 0.112 ± 0.826 χ^2/NDF : 276.4/103

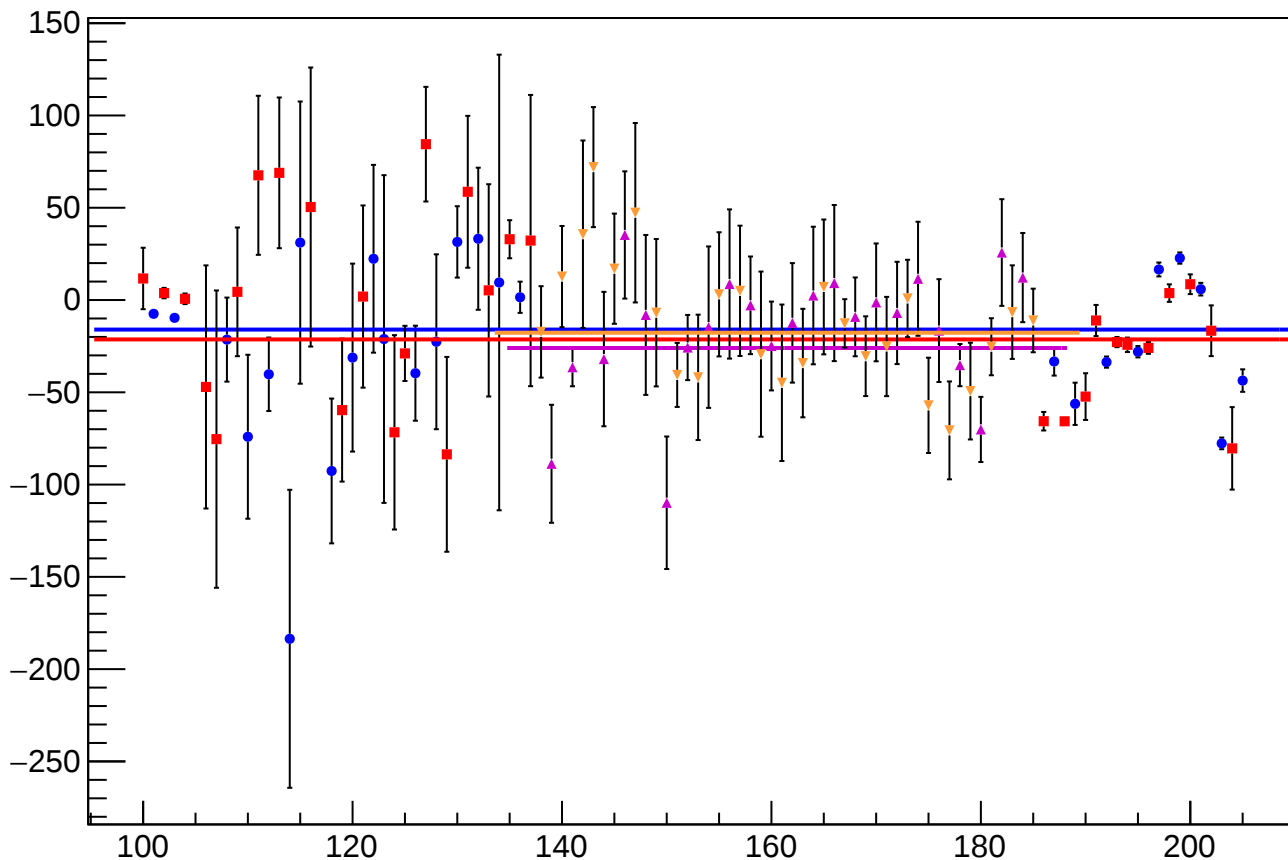
- sign -7.745 ± 1.202 χ^2/NDF : 68.8/52

diff_bpm0l03X_rms vs Slug



Right In: 2655.506+/-0.825	χ^2/NDF : 6978915.3/25	+ sign 3435.300+/-0.804	χ^2/NDF : 30022705.6/50
Left Out: 18190.387+/-3.590	χ^2/NDF : 5261328.5/24	All: 3493.599+/-0.584	χ^2/NDF : 59753457.1/1
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: -16.009 ± 1.028 χ^2/NDF : 786.4/25

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

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

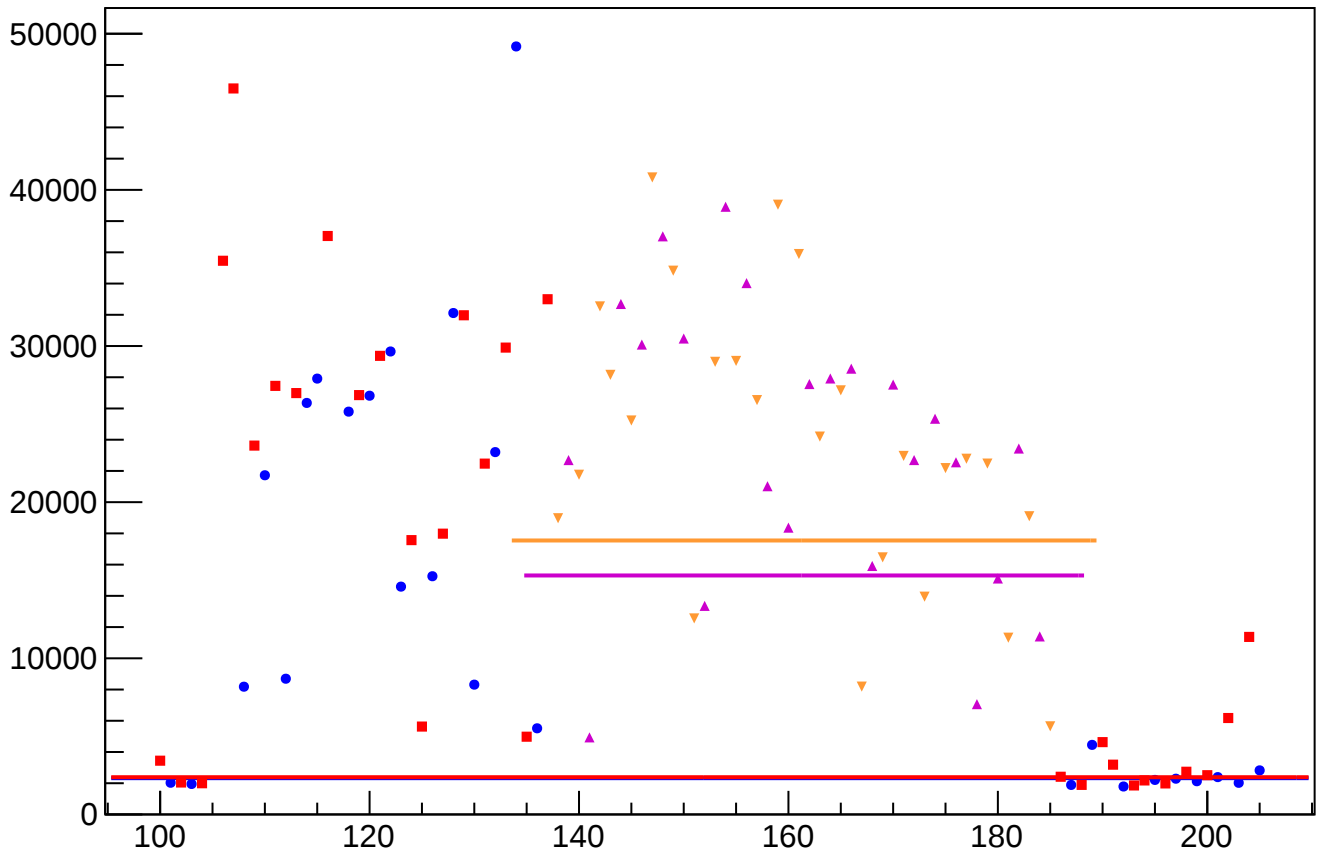
Left In: -25.991 ± 4.789 χ^2/NDF : 32.6/22

+ sign -16.079 ± 1.007 χ^2/NDF : 813.6/50

All: -18.689 ± 0.730 χ^2/NDF : 1486.6/103

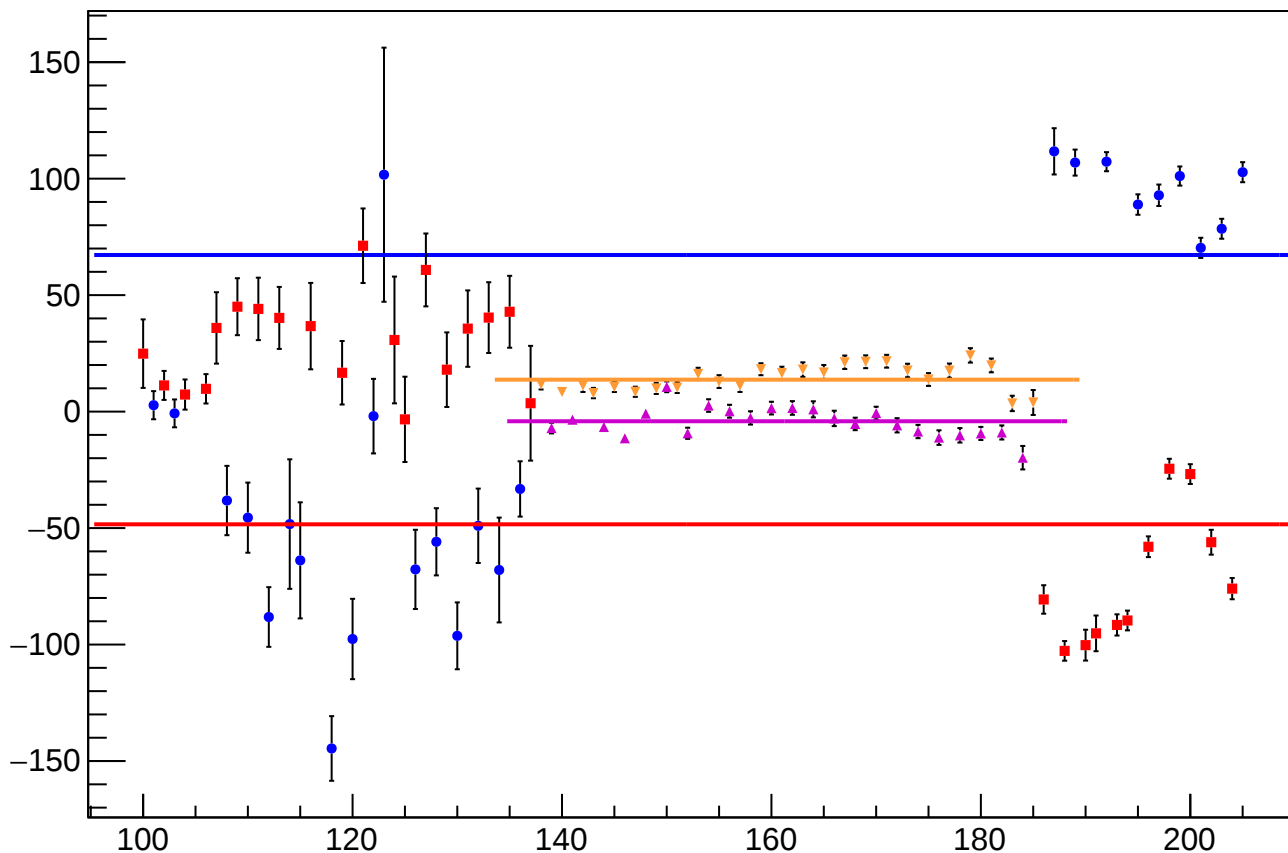
- sign -21.575 ± 1.059 χ^2/NDF : 658.9/52

diff_bpm0l03Y_rms vs Slug



Right In: 2324.699+/-0.727	χ^2/NDF : 5809094.5/25	+ sign 2948.490+/-0.712	χ^2/NDF : 29672248.5/50
Left Out: 17546.173+/-3.517	χ^2/NDF : 5902620.4/24	All: 2980.672+/-0.516	χ^2/NDF : 59883054.7/1
Right Out: 2384.875+/-0.768	χ^2/NDF : 8638250.5/29	- sign 3016.240+/-0.749	χ^2/NDF : 30206505.6/52
Left In: 15305.311+/-3.386	χ^2/NDF : 7721177.0/22		

diff_bpm0l04X_mean vs Slug



Right In: 67.230 ± 1.368 $\chi^2/\text{NDF}: 1676.8/25$

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

Right Out: -48.385 ± 1.280 $\chi^2/\text{NDF}: 1313.9/29$

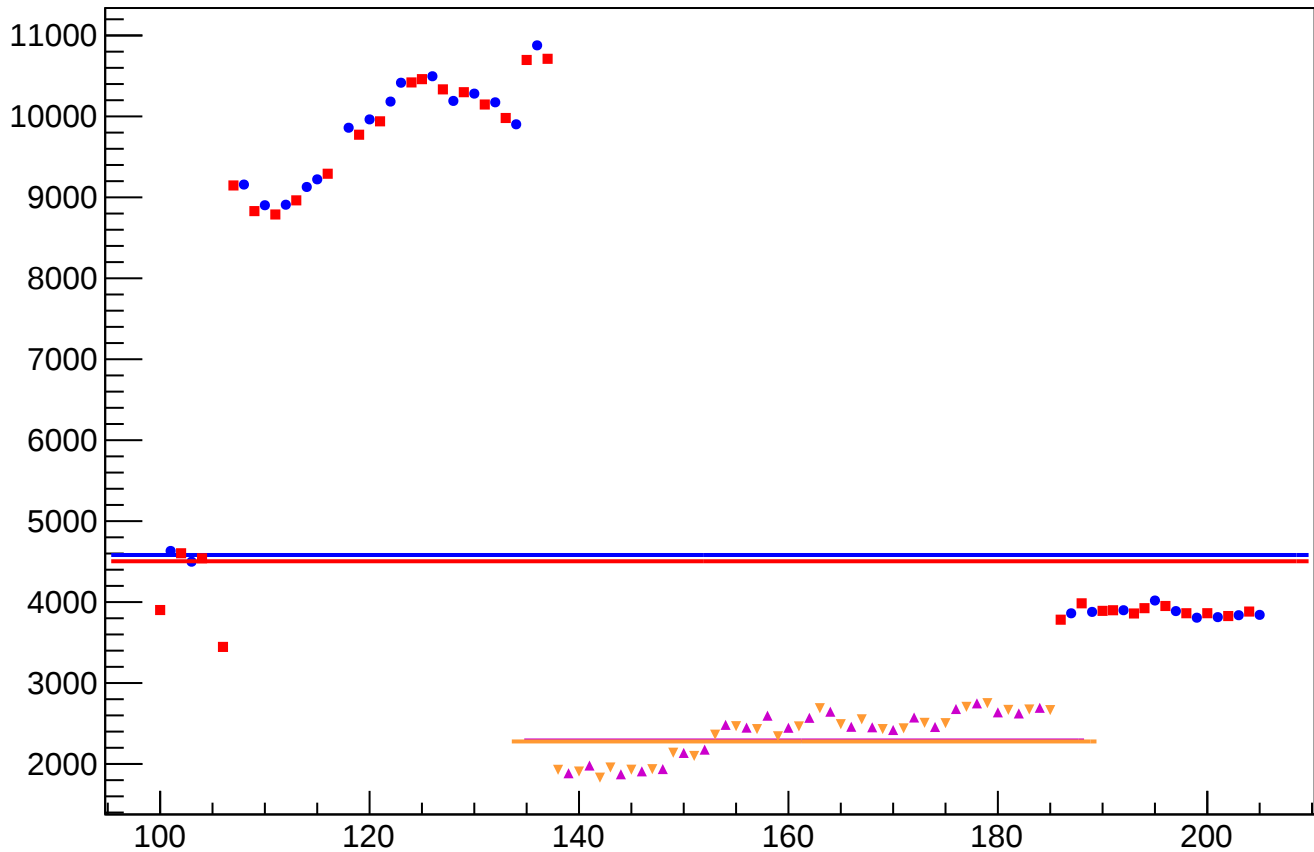
Left In: -4.141 ± 0.555 $\chi^2/\text{NDF}: 111.7/22$

+ sign 20.819 ± 0.498 $\chi^2/\text{NDF}: 3094.7/50$

All: 5.175 ± 0.356 $\chi^2/\text{NDF}: 7538.7/103$

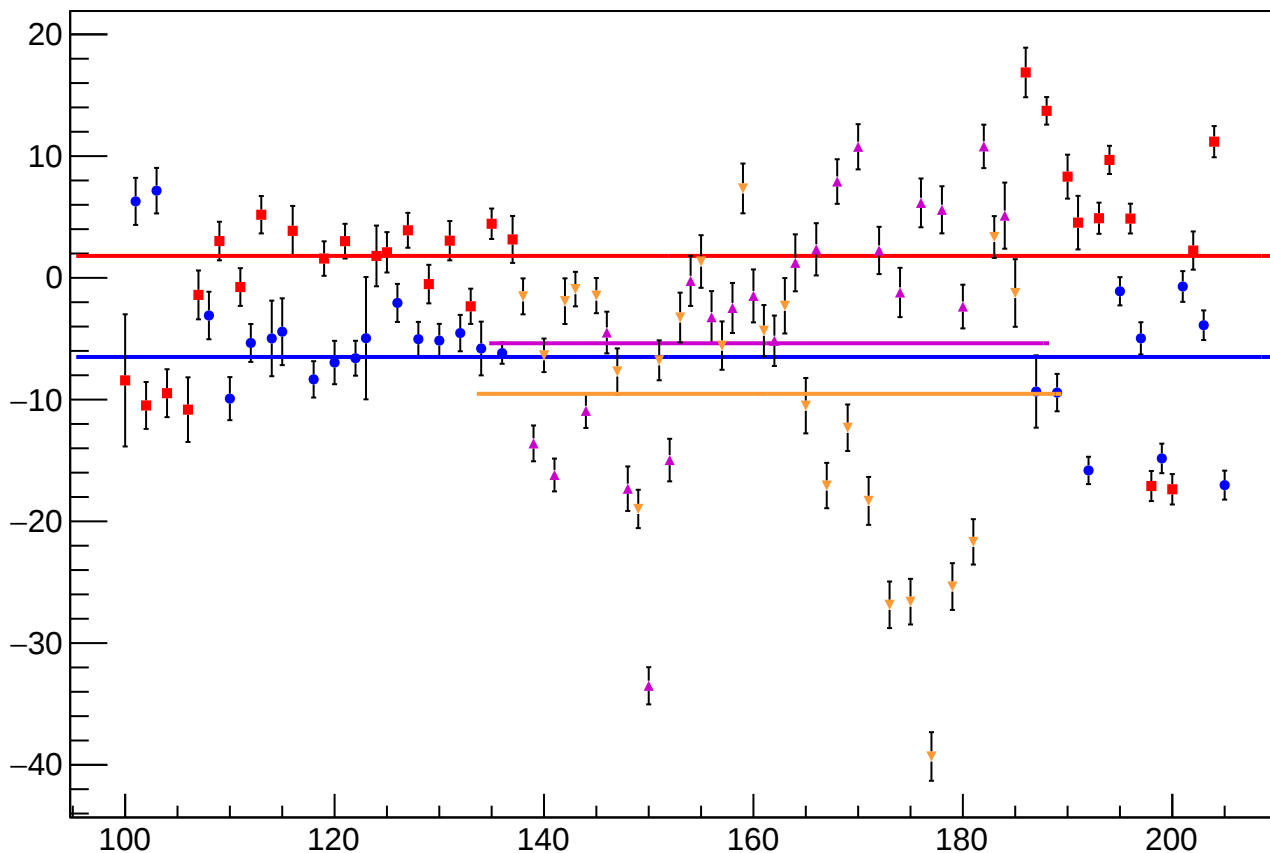
- sign -11.140 ± 0.509 $\chi^2/\text{NDF}: 2431.7/52$

diff_bpm0l04X_rms vs Slug



Right In: 4581.782 $\pm$ 0.967	χ^2 /NDF: 3666604.7/25	+ sign 2584.106 $\pm$ 0.352	χ^2 /NDF: 9194610.4/50
Left Out: 2278.115 $\pm$ 0.378	χ^2 /NDF: 607109.4/24	All: 2611.802 $\pm$ 0.252	χ^2 /NDF: 18569543.1/1
Right Out: 4504.266 $\pm$ 0.905	χ^2 /NDF: 3734208.8/29	- sign 2640.688 $\pm$ 0.360	χ^2 /NDF: 9362317.1/52
Left In: 2290.461 $\pm$ 0.392	χ^2 /NDF: 590272.1/22		

diff_bpm0l04Y_mean vs Slug



Right In: -6.499 ± 0.291 χ^2/NDF : 366.7/25

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

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

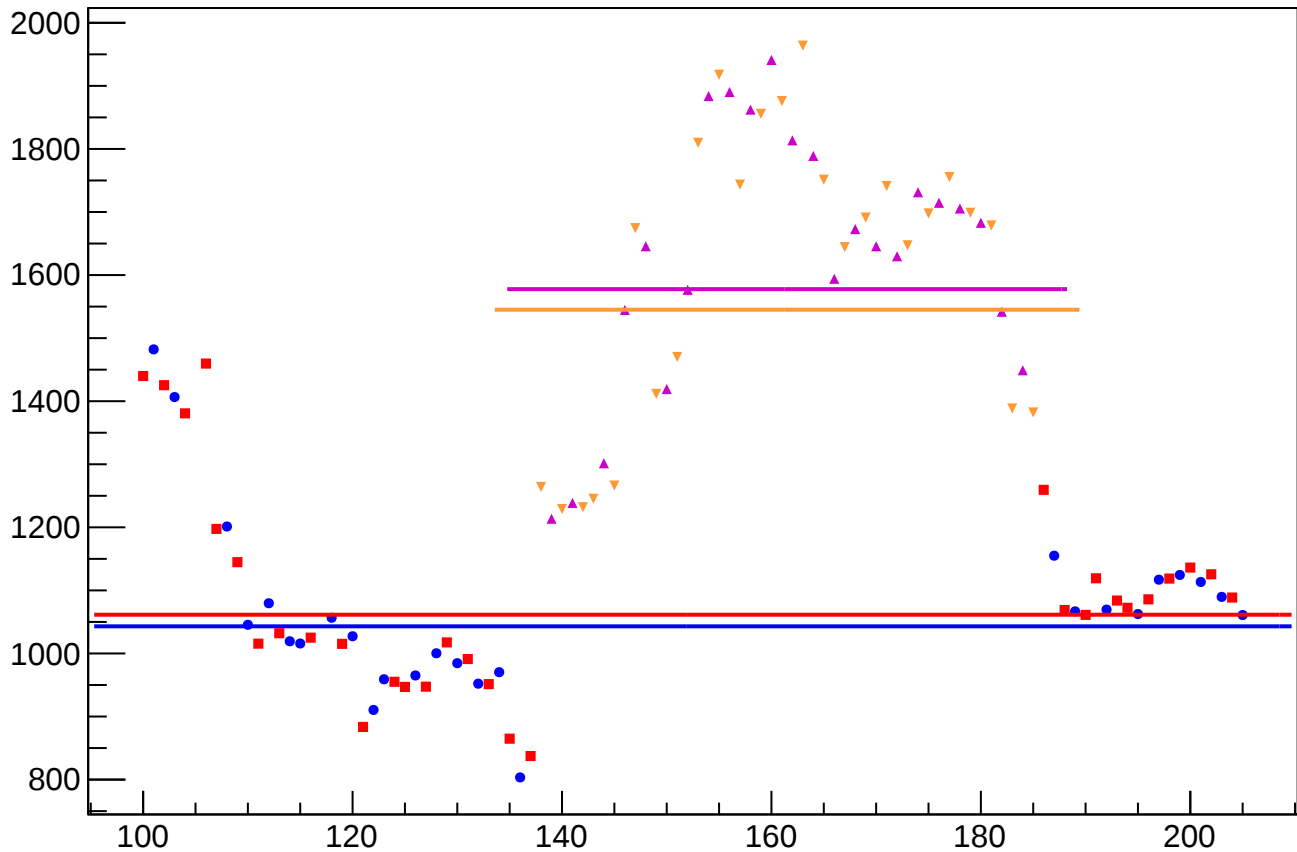
Left In: -5.372 ± 0.383 χ^2/NDF : 869.8/22

+ sign -7.676 ± 0.228 χ^2/NDF : 1292.9/50

All: -4.207 ± 0.161 χ^2/NDF : 3746.1/103

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

diff_bpm0l04Y_rms vs Slug



Right In: 1043.026 $\pm$ 0.206 χ^2 /NDF: 410276.1/25

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

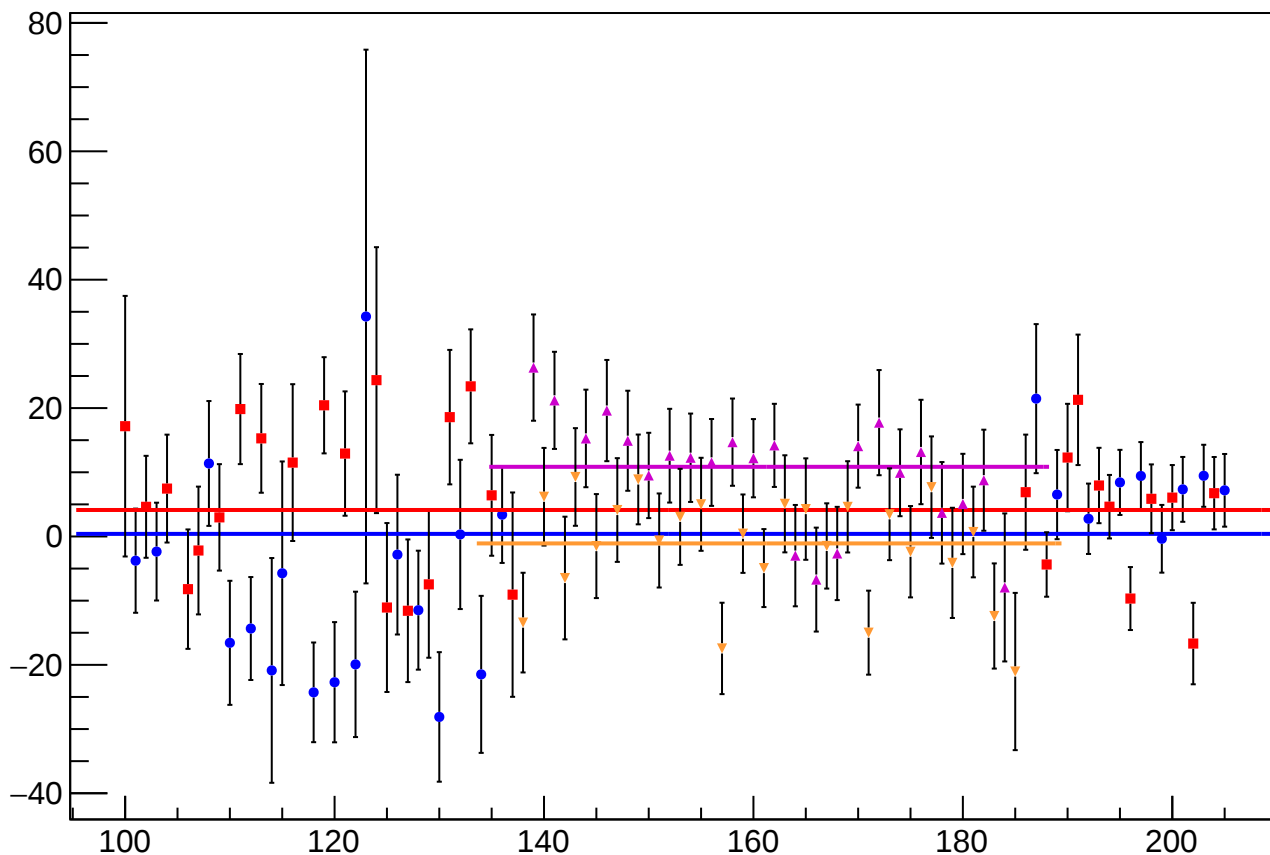
Left In: 1577.685 $\pm$ 0.271 χ^2 /NDF:625406.2/22

+ sign 1238.349 $\pm$ 0.161 χ^2 /NDF: 3567329.6/50

All: 1241.165 $\pm$ 0.114 χ^2 /NDF: 6930283.4/10

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

diff_bpm0l05X_mean vs Slug



Right In: 0.402 ± 1.479 χ^2/NDF : 59.4/25

Left Out: -1.083 ± 1.487 χ^2/NDF : 27.5/24

Right Out: 4.126 ± 1.401 χ^2/NDF : 52.8/29

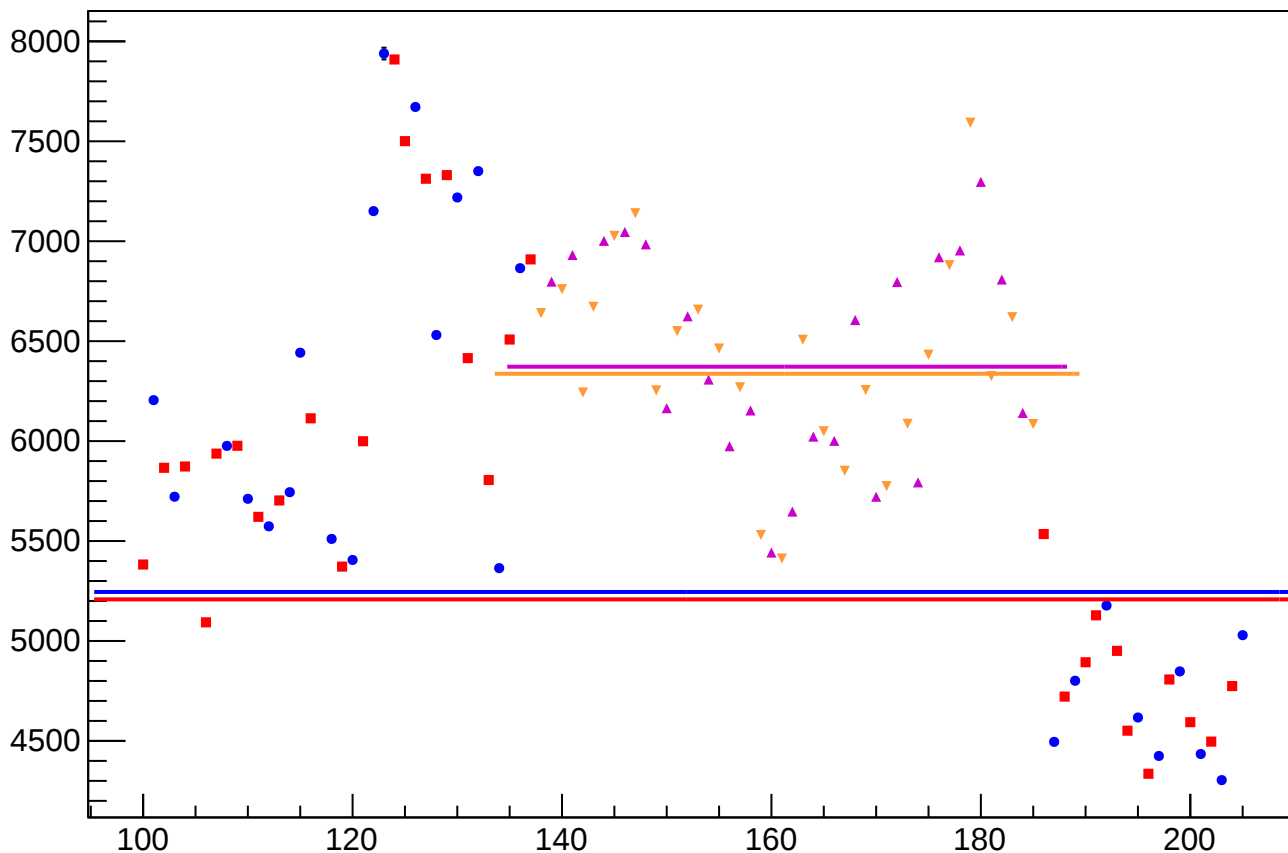
Left In: 10.851 ± 1.542 χ^2/NDF : 24.4/22

+ sign -0.336 ± 1.049 χ^2/NDF : 87.4/50

All: 3.458 ± 0.737 χ^2/NDF : 200.9/103

- sign 7.167 ± 1.037 χ^2/NDF : 87.6/52

diff_bpm0l05X_rms vs Slug



Right In: 5245.122+/-1.046 χ^2/NDF : 721517.8/25

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

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

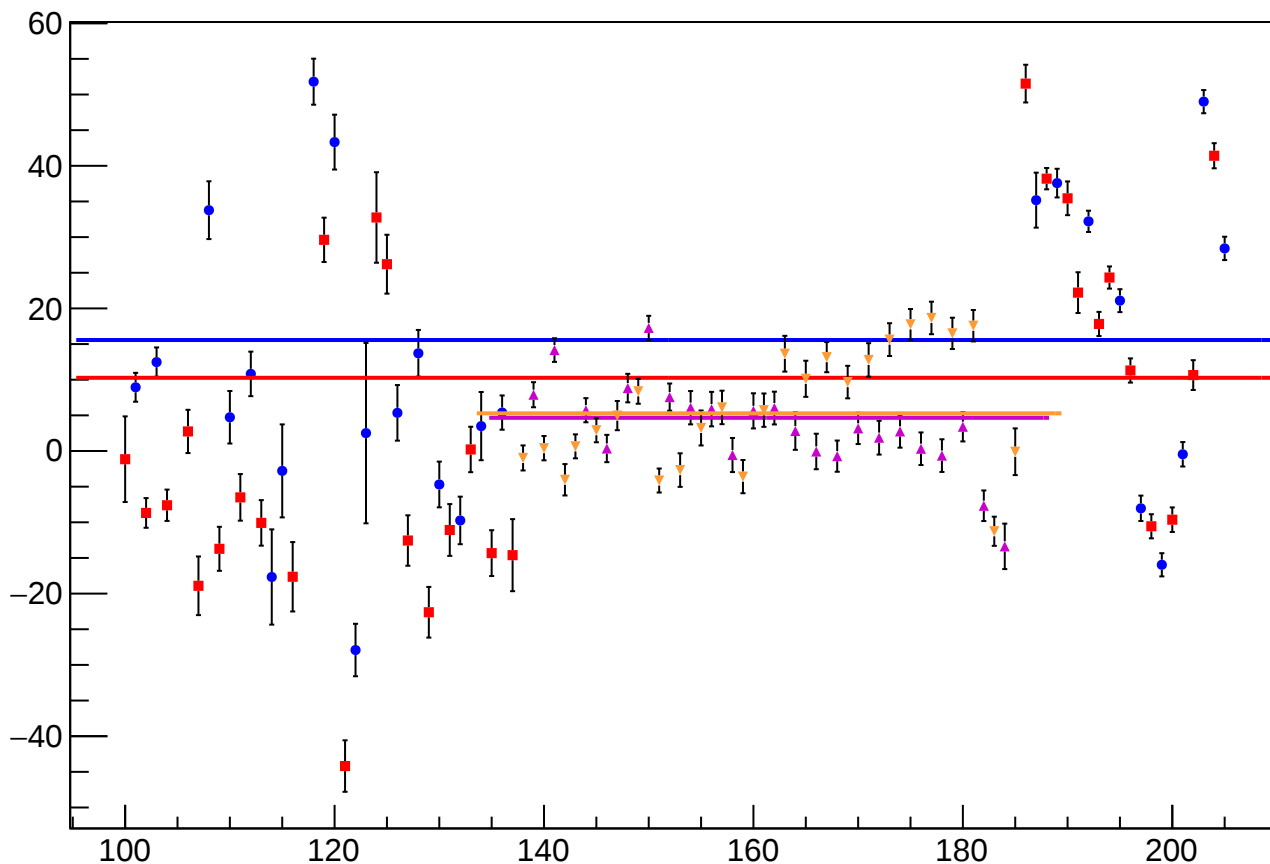
Left In: 6372.349+/-1.090 χ^2/NDF : 247257.0/22

+ sign 5787.957+/-0.742 χ^2/NDF : 1486371.4/50

All: 5761.015+/-0.521 χ^2/NDF : 2988720.7/10

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

diff_bpm0l05Y_mean vs Slug



Right In: 15.566 $\pm$ 0.471 χ^2 /NDF: 1928.8/25

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

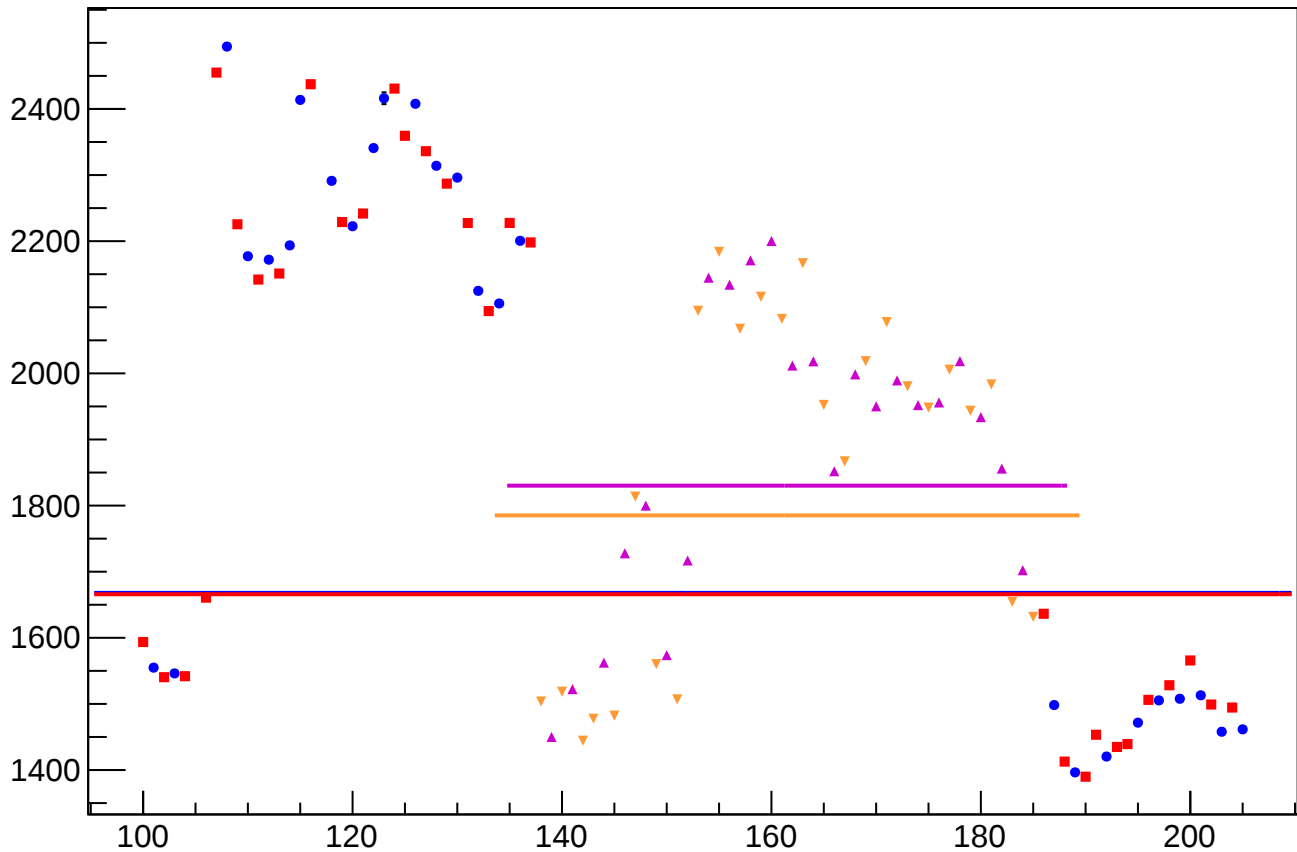
Left In: 4.657 $\pm$ 0.443 χ^2 /NDF: 196.5/22

+ sign 9.846 $\pm$ 0.314 χ^2 /NDF: 2559.8/50

All: 8.642 $\pm$ 0.223 χ^2 /NDF: 5205.0/103

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

diff_bpm0l05Y_rms vs Slug



Right In: 1667.958 $\pm$ 0.333 χ^2 /NDF: 1037374.9/25

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

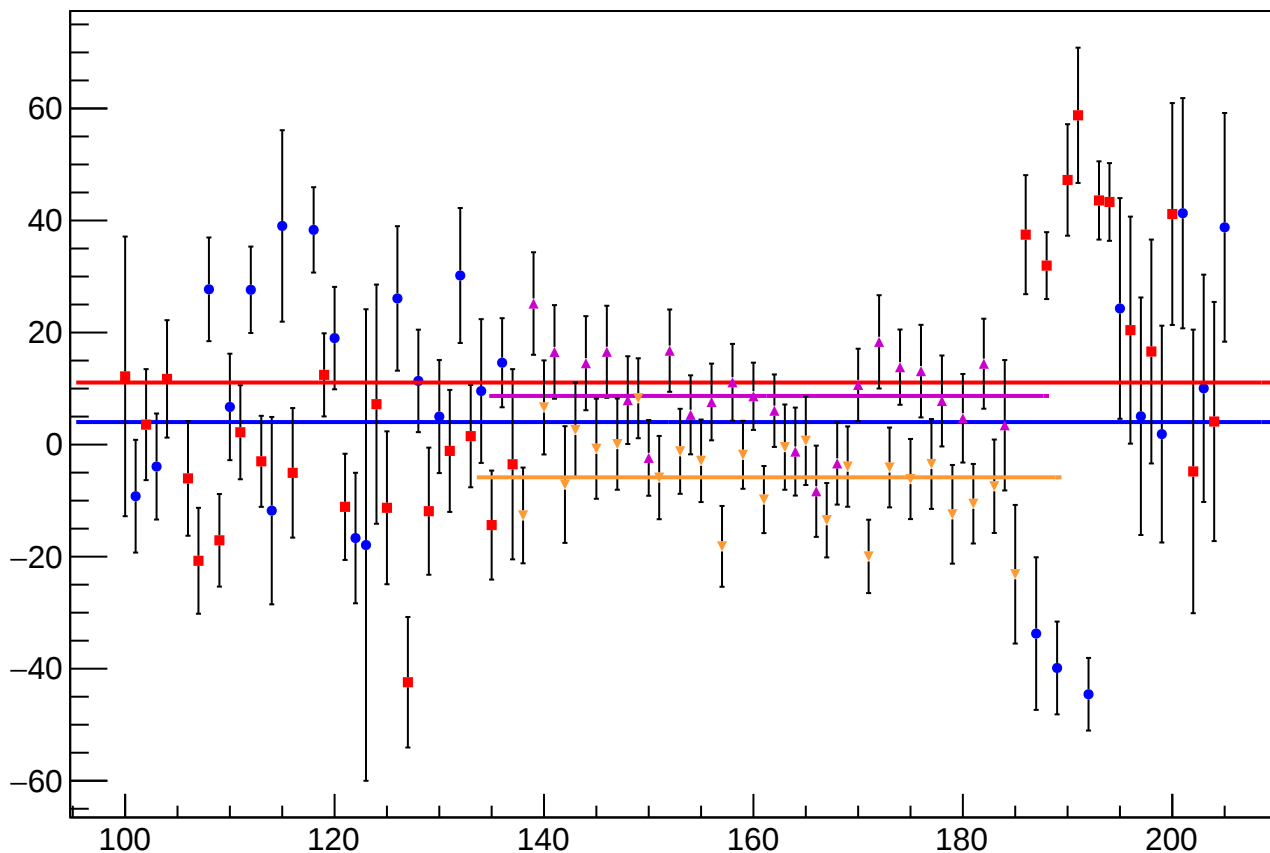
Left In: 1830.160 $\pm$ 0.313 χ^2 /NDF: 508391.9/22

+ sign 1733.175 $\pm$ 0.222 χ^2 /NDF: 1856894.8/50

All: 1741.143 $\pm$ 0.157 χ^2 /NDF: 3542222.5/10

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

diff_bpm0l06X_mean vs Slug



Right In: 4.021 ± 2.133 χ^2/NDF : 159.5/25

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

Right Out: 11.079 ± 1.870 χ^2/NDF : 169.3/29

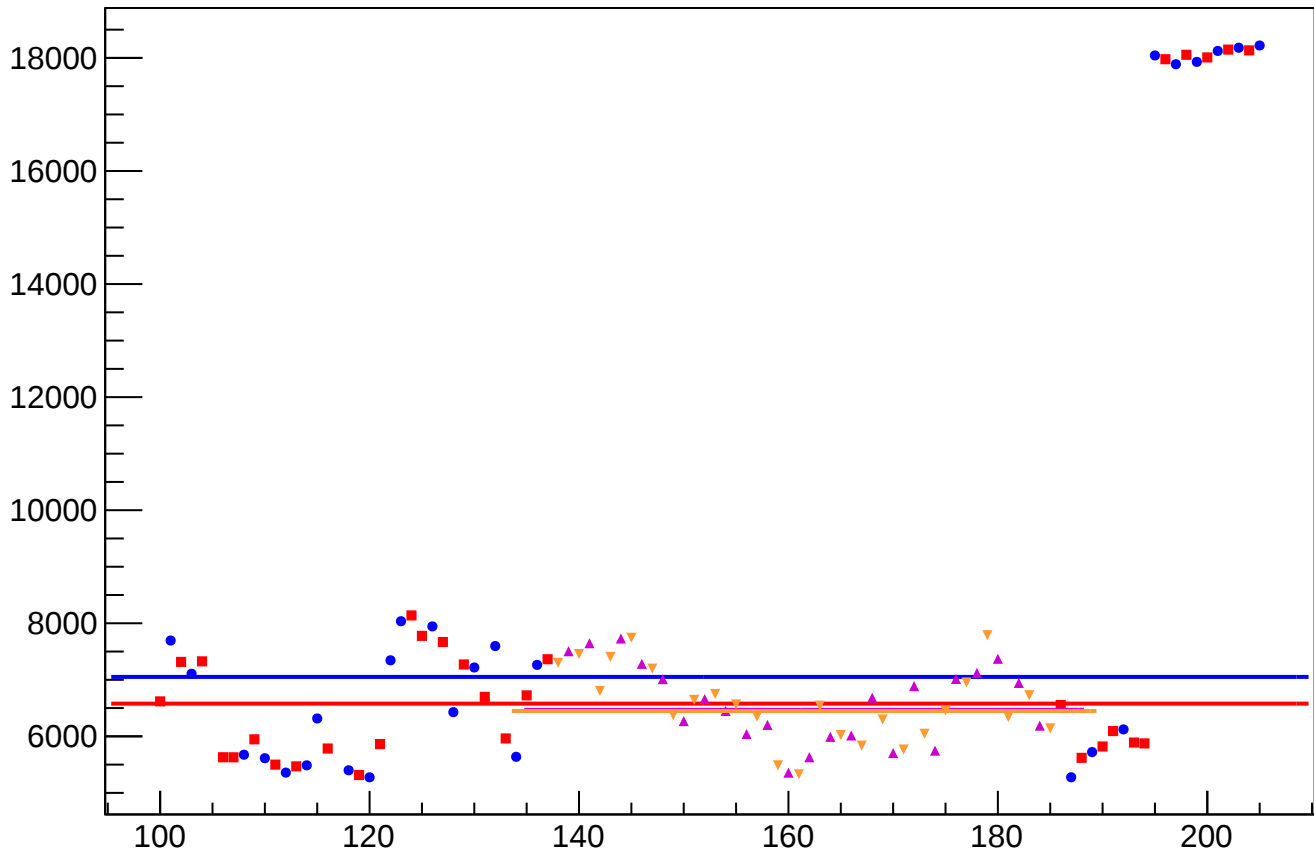
Left In: 8.683 ± 1.571 χ^2/NDF : 21.9/22

+ sign -2.524 ± 1.237 χ^2/NDF : 197.1/50

All: 3.746 ± 0.862 χ^2/NDF : 439.2/103

- sign 9.674 ± 1.203 χ^2/NDF : 192.2/52

diff_bpm0l06X_rms vs Slug



Right In: 7051.280+/-1.508 χ^2/NDF : 4122750.2/25

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

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

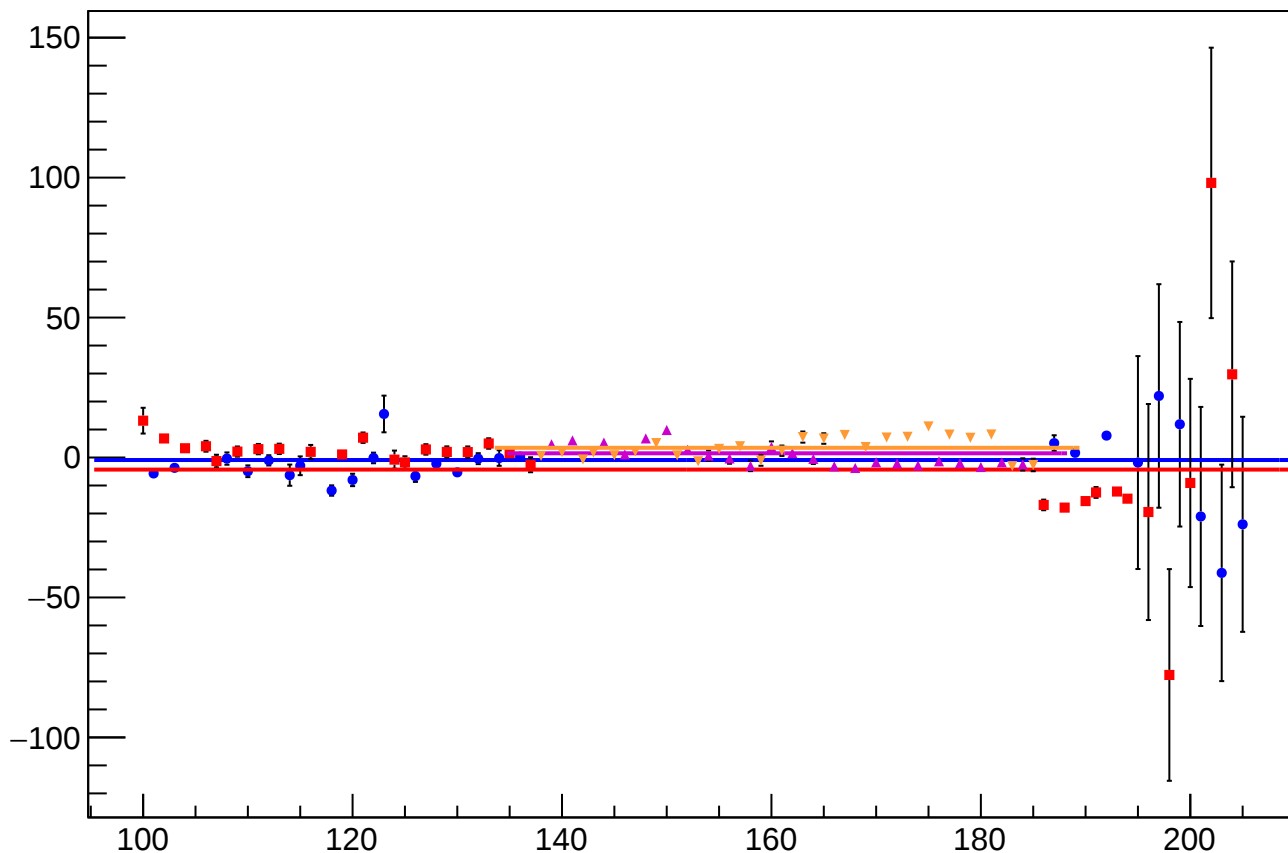
Left In: 6468.902+/-1.111 χ^2/NDF : 383325.4/22

+ sign 6650.680+/-0.875 χ^2/NDF : 4600705.7/50

All: 6580.548+/-0.610 χ^2/NDF : 8354979.4/100

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

diff_bpm0l06Y_mean vs Slug



Right In: -0.896 ± 0.406 χ^2/NDF : 173.5/25

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

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

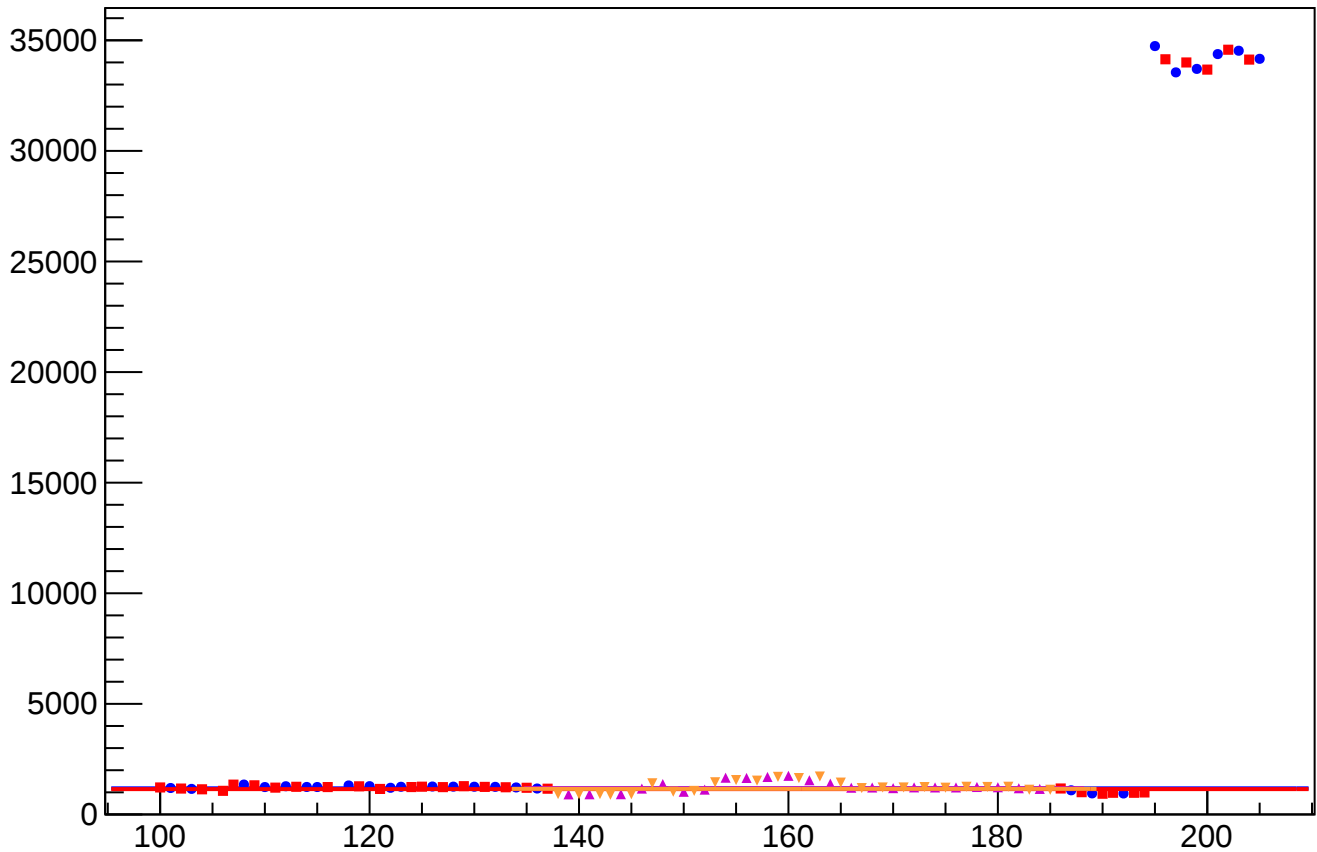
Left In: 1.502 ± 0.291 χ^2/NDF : 202.7/22

+ sign 2.086 ± 0.228 χ^2/NDF : 428.6/50

All: 0.602 ± 0.160 χ^2/NDF : 1546.5/103

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

diff_bpm0l06Y_rms vs Slug



Right In: 1181.124+/-0.287 χ^2/NDF : 9070947.0/25

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

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

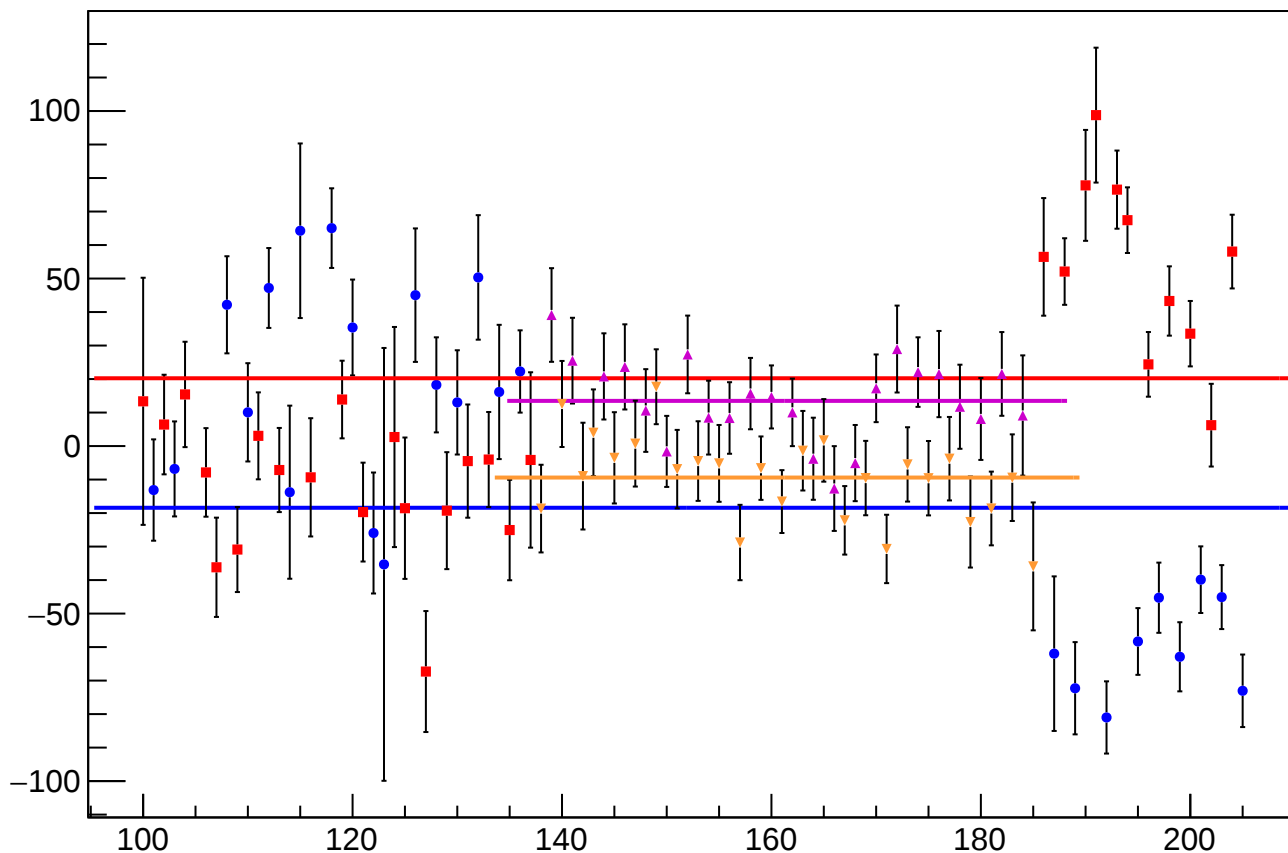
Left In: 1184.966+/-0.206 χ^2/NDF : 1190431.5/22

+ sign 1165.941+/-0.162 χ^2/NDF : 10485472.5/50

All: 1167.546+/-0.113 χ^2/NDF : 18730886.5/52

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

diff_bpm0l07X_mean vs Slug



Right In: -18.417 ± 2.657 χ^2/NDF : 306.4/25

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

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

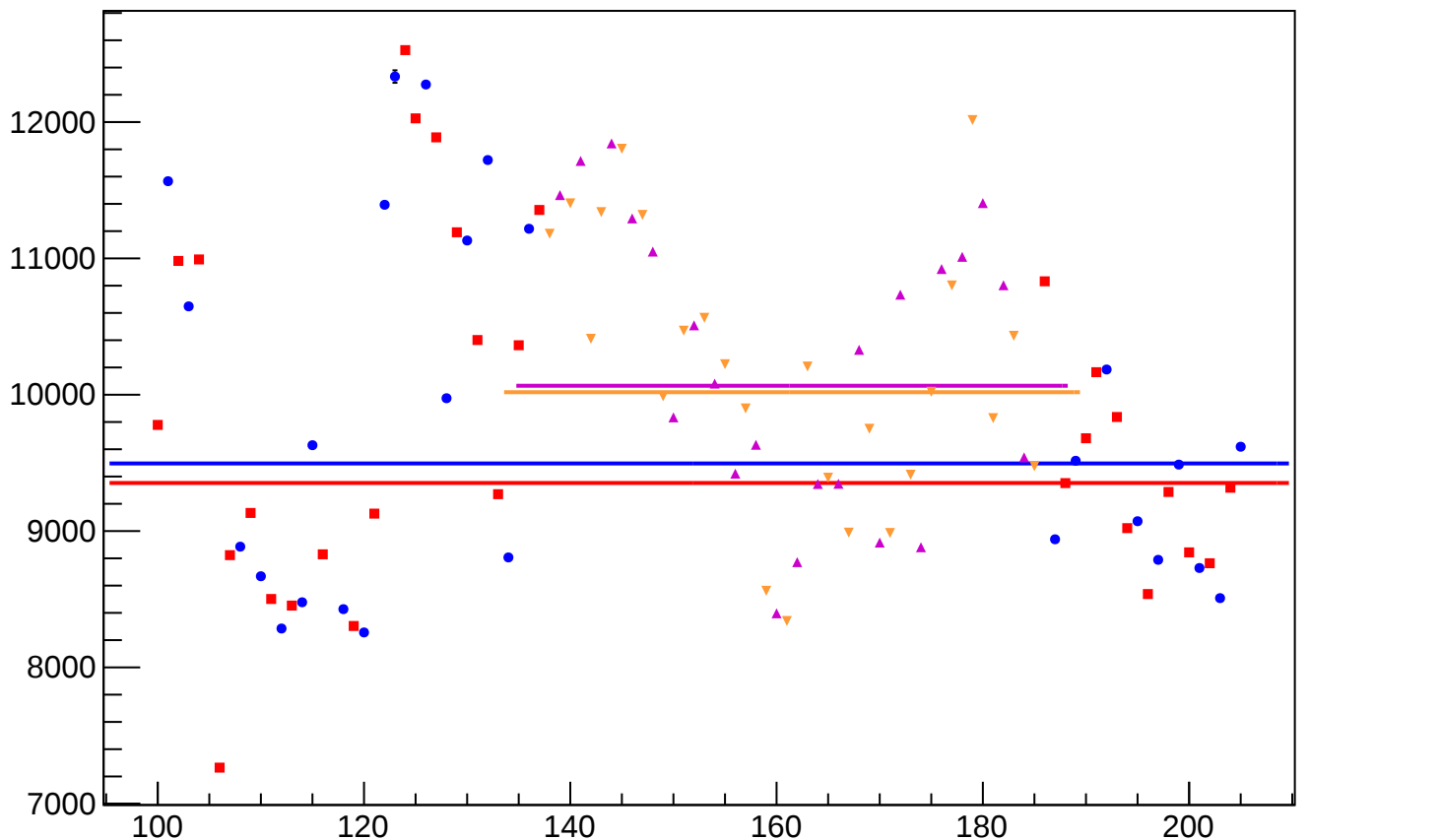
Left In: 13.485 ± 2.443 χ^2/NDF : 21.6/22

+ sign -13.372 ± 1.764 χ^2/NDF : 339.1/50

All: 1.845 ± 1.241 χ^2/NDF : 720.9/103

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

diff_bpm0l07X_rms vs Slug



Right In: 9495.918+/-1.879 χ^2/NDF : 330866.7/25

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

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

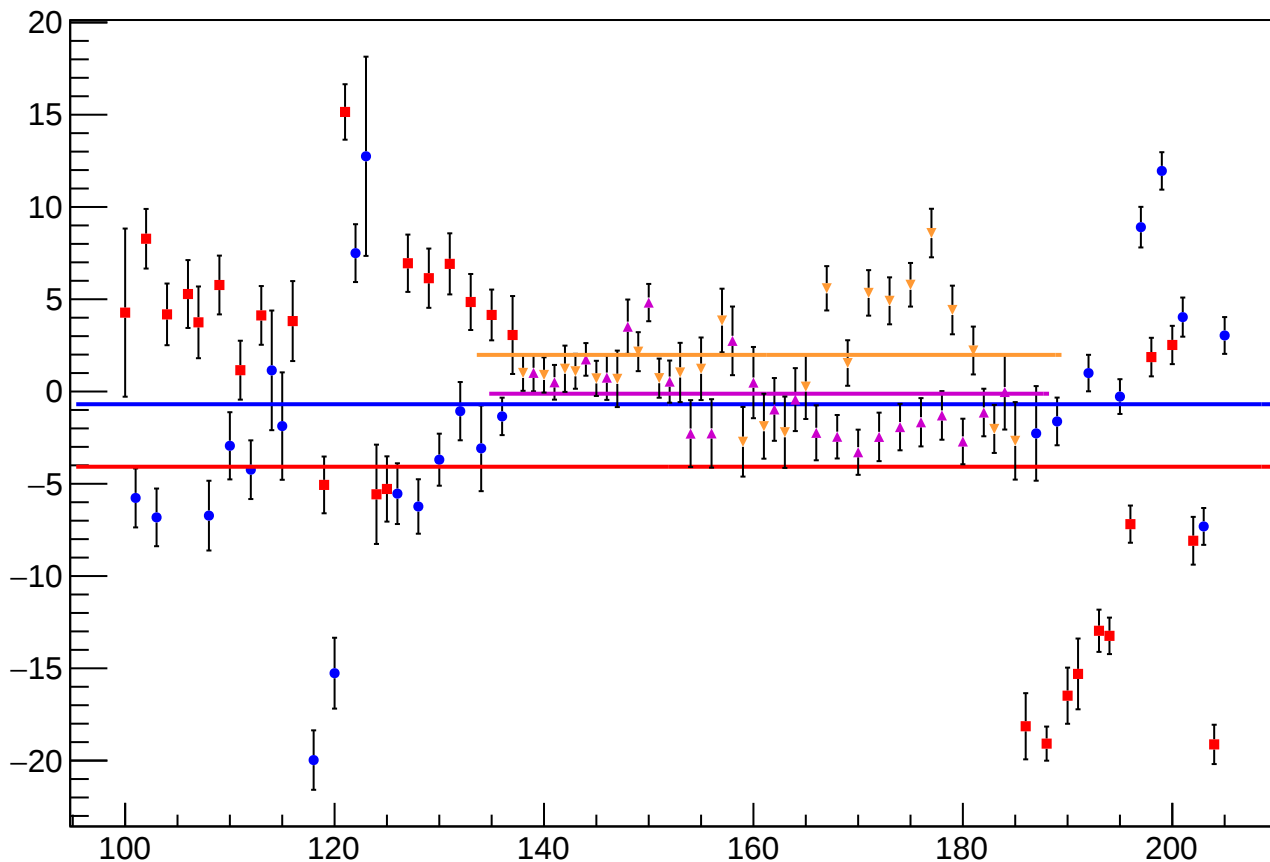
Left In: 10065.909+/-1.727 χ^2/NDF : 357868.9/22

+ sign 9788.241+/-1.247 χ^2/NDF : 718683.2/50

All: 9752.645+/-0.878 χ^2/NDF : 1487287.5/10

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

diff_bpm0l07Y_mean vs Slug



Right In: -0.689 ± 0.271 χ^2/NDF : 619.0/25

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

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

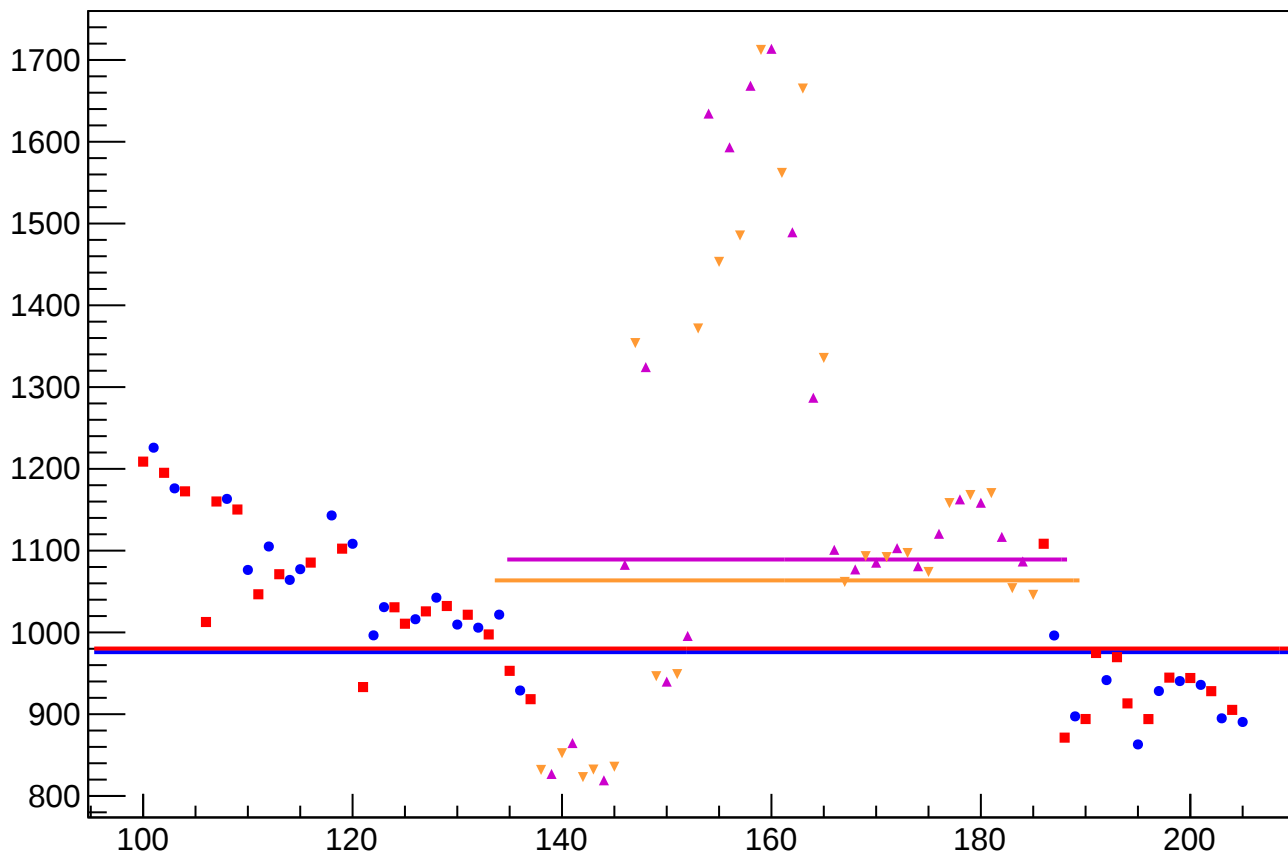
Left In: -0.120 ± 0.269 χ^2/NDF : 67.6/22

+ sign 0.732 ± 0.186 χ^2/NDF : 771.8/50

All: -0.701 ± 0.132 χ^2/NDF : 2533.3/103

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

diff_bpm0l07Y_rms vs Slug



Right In: 975.865+/-0.192 χ^2/NDF : 243914.5/25

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

Right Out: 980.296+/-0.184 χ^2/NDF : 232158.9/29

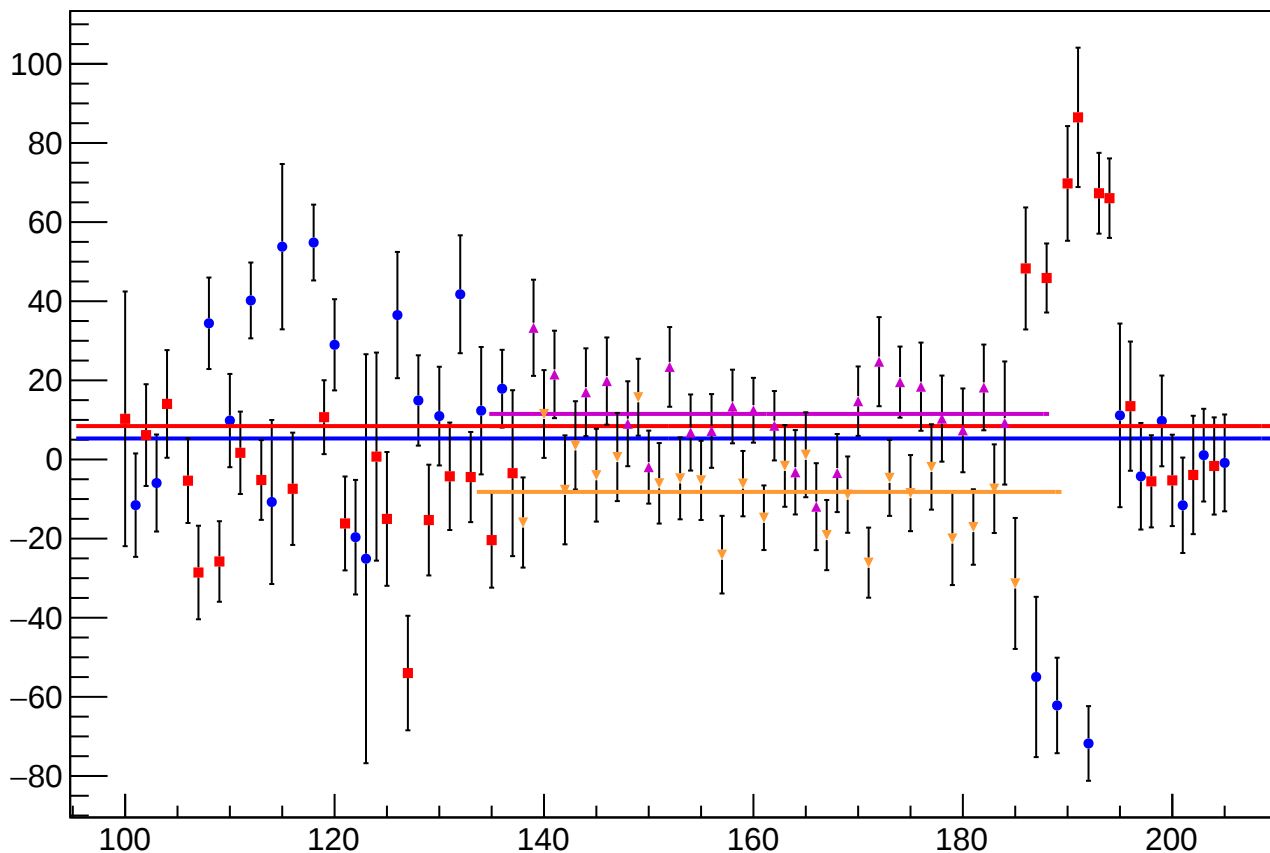
Left In: 1089.154+/-0.190 χ^2/NDF :1430478.5/22

+ sign 1022.496+/-0.131 χ^2/NDF : 1972374.4/50

All: 1027.762+/-0.093 χ^2/NDF : 3807269.6/10

- sign 1033.107+/-0.132 χ^2/NDF : 1831656.9/52

diff_bpm0l08X_mean vs Slug



Right In: 5.309 ± 2.505 χ^2/NDF : 184.9/25

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

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

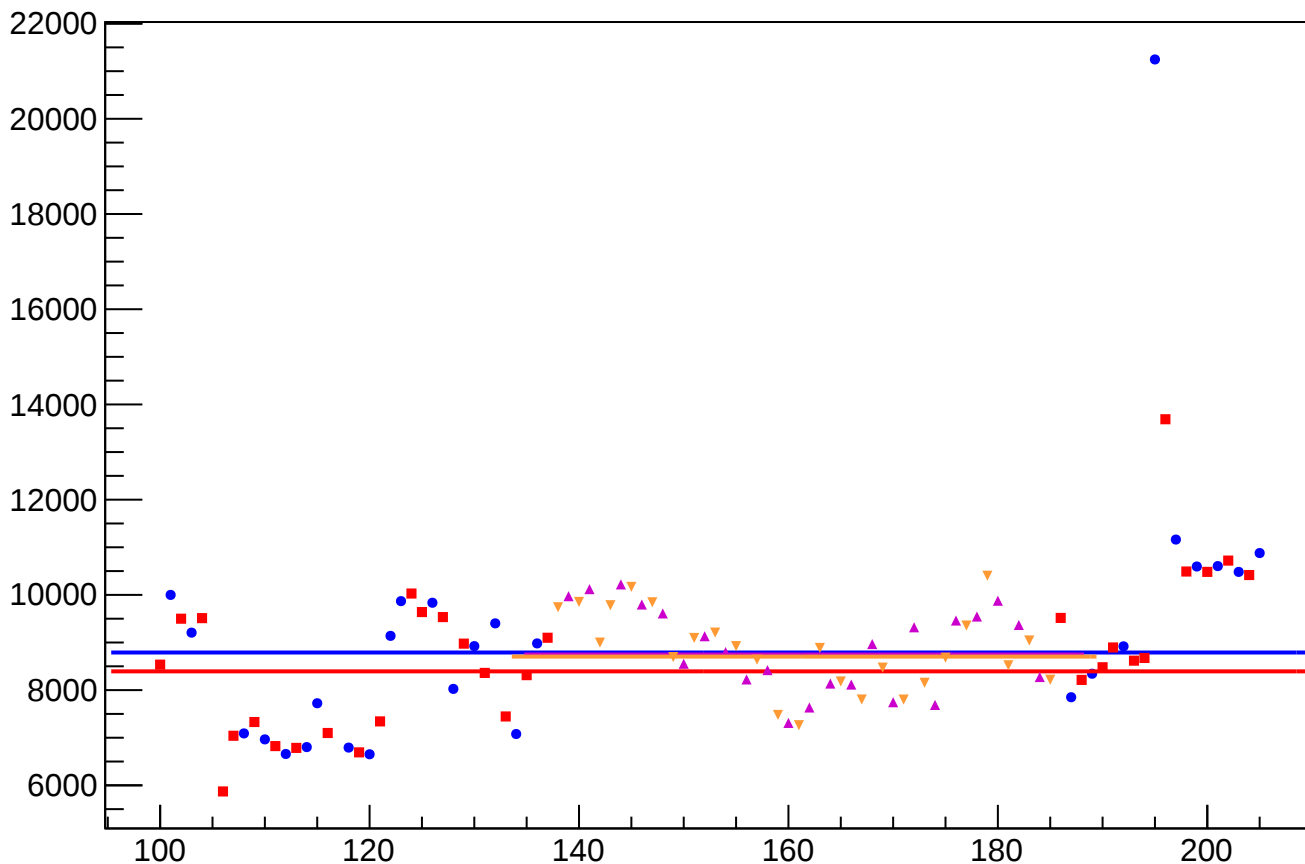
Left In: 11.515 ± 2.122 χ^2/NDF : 21.0/22

+ sign -2.783 ± 1.586 χ^2/NDF : 228.5/50

All: 3.785 ± 1.110 χ^2/NDF : 479.7/103

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

diff_bpm0l08X_rms vs Slug



Right In: 8789.833+/-1.771 χ^2/NDF : 1275948.8/25

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

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

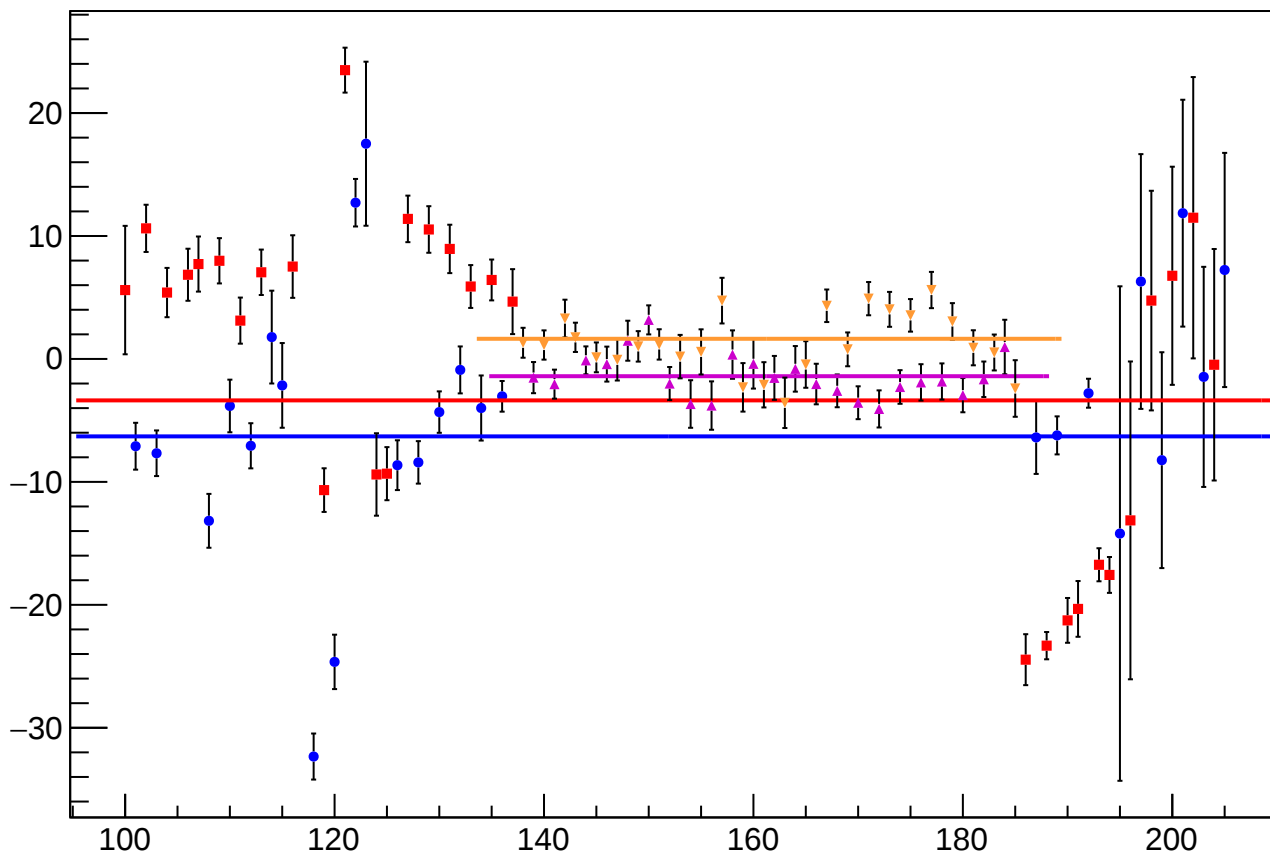
Left In: 8747.415+/-1.501 χ^2/NDF : 347110.4/22

+ sign 8738.513+/-1.121 χ^2/NDF : 1609713.7/50

All: 8659.334+/-0.785 χ^2/NDF : 2884511.9/10

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

diff_bpm0l08Y_mean vs Slug



Right In: -6.299 ± 0.425 $\chi^2/\text{NDF}: 426.2/25$

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

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

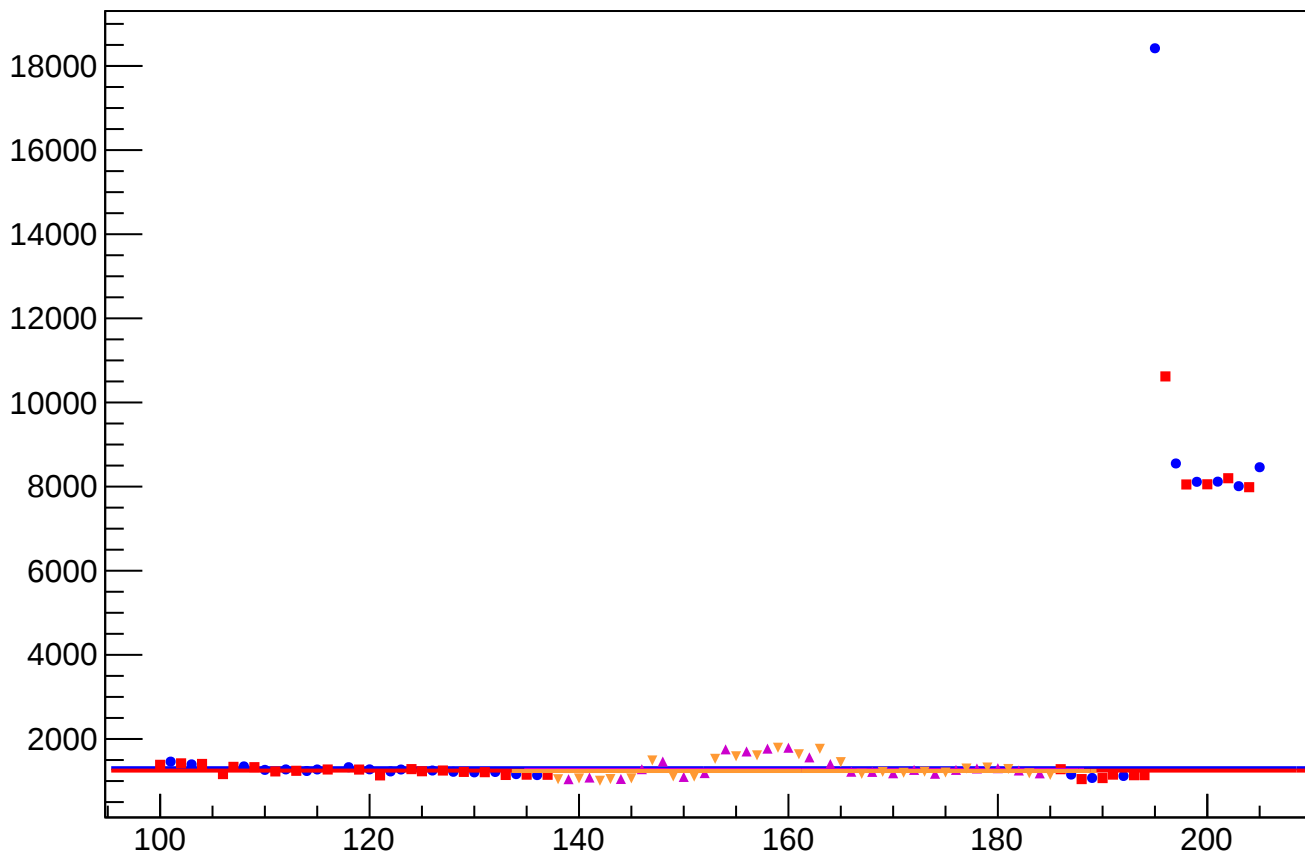
Left In: -1.404 ± 0.309 $\chi^2/\text{NDF}: 34.1/22$

+ sign -0.923 ± 0.242 $\chi^2/\text{NDF}: 713.5/50$

All: -1.574 ± 0.170 $\chi^2/\text{NDF}: 2248.8/103$

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

diff_bpm0l08Y_rms vs Slug



Right In: 1305.540 $\pm$ 0.301 χ^2 /NDF: 7152424.7/25

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

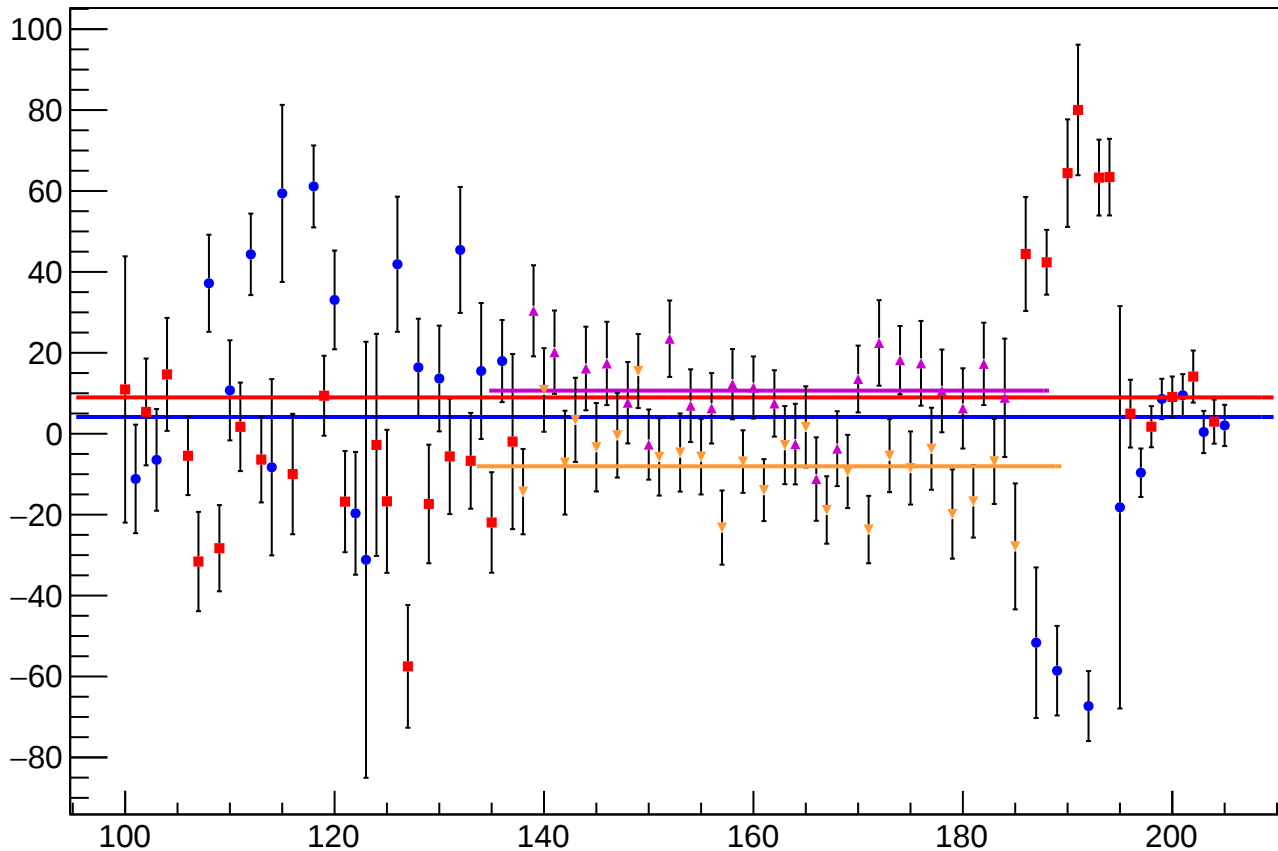
Left In: 1265.673 $\pm$ 0.218 χ^2 /NDF: 845157.0/22

+ sign 1260.093 $\pm$ 0.171 χ^2 /NDF: 8151313.0/50

All: 1259.381 $\pm$ 0.120 χ^2 /NDF: 14330734.5/100

- sign 1258.690 $\pm$ 0.168 χ^2 /NDF: 6179387.3/52

diff_bpm0l09X_mean vs Slug



Right In: 4.135 ± 1.828 χ^2/NDF : 206.1/25

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

Right Out: 8.981 ± 1.788 χ^2/NDF : 199.3/29

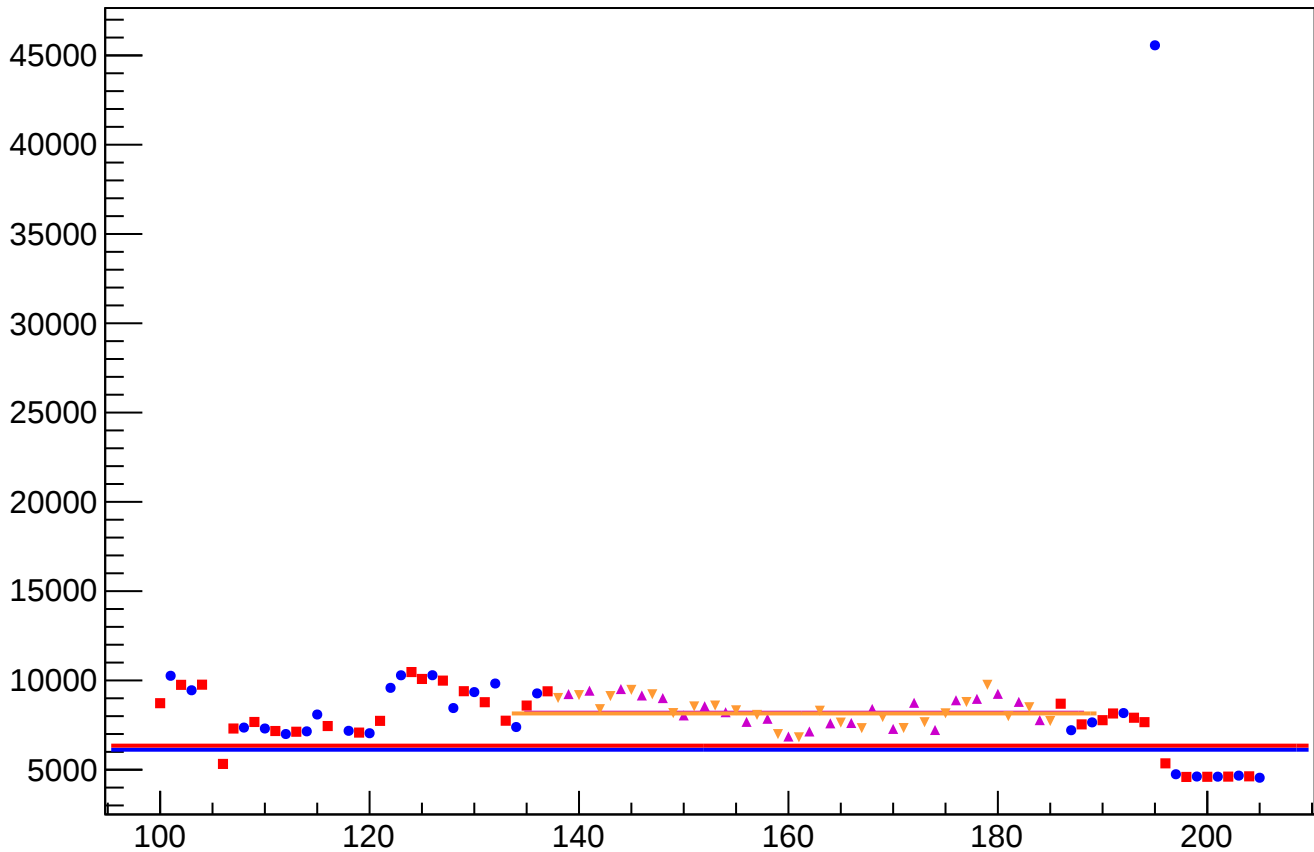
Left In: 10.653 ± 1.988 χ^2/NDF : 21.4/22

+ sign -1.661 ± 1.323 χ^2/NDF : 253.6/50

All: 4.009 ± 0.938 χ^2/NDF : 511.5/103

- sign 9.728 ± 1.329 χ^2/NDF : 221.1/52

diff_bpm0l09X_rms vs Slug



Right In: 6120.719 $\pm$ 1.293 χ^2 /NDF: 3409920.6/25

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

Right Out: 6348.497 $\pm$ 1.264 χ^2 /NDF: 2013124.5/29

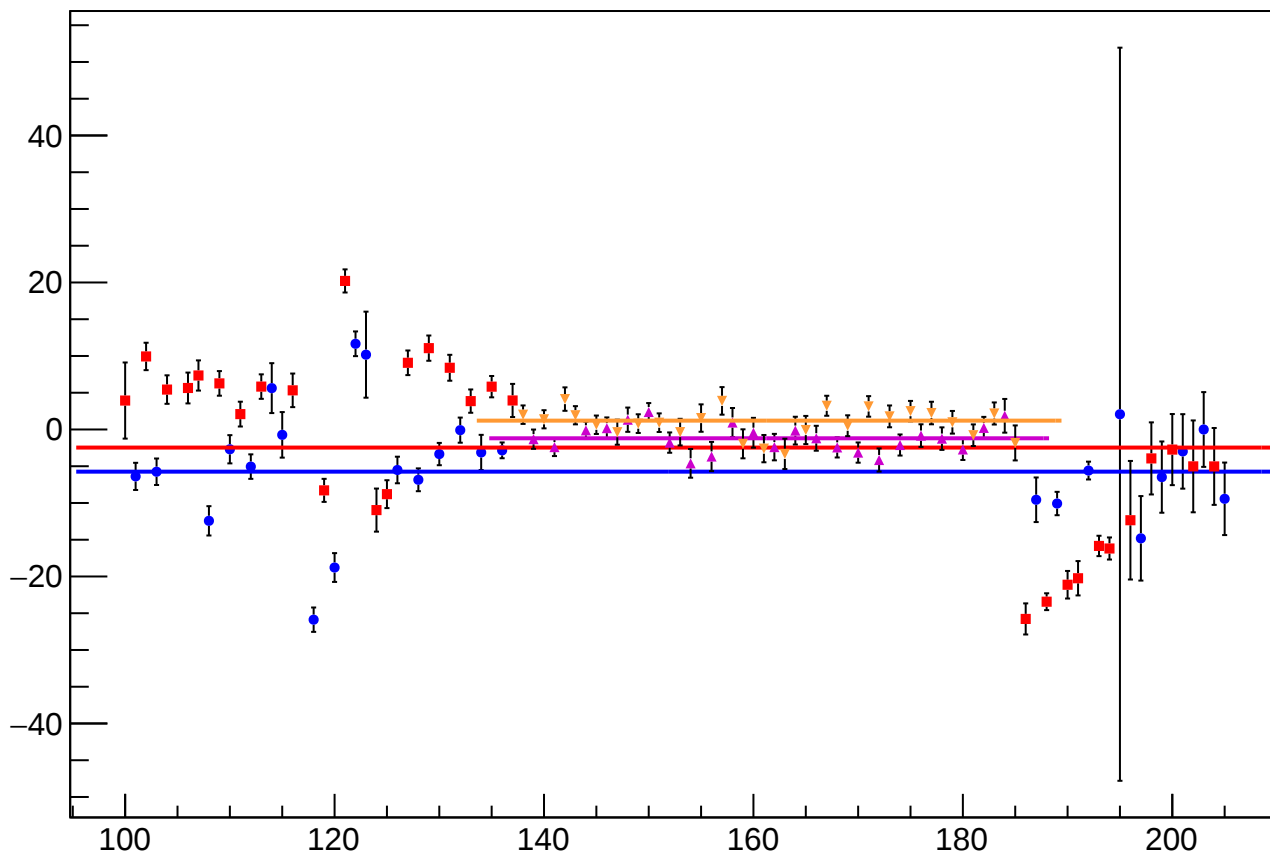
Left In: 8193.636 $\pm$ 1.405 χ^2 /NDF: 338377.6/22

+ sign 7087.303 $\pm$ 0.936 χ^2 /NDF: 4906464.8/50

All: 7130.254 $\pm$ 0.663 χ^2 /NDF: 8215080.9/10

- sign 7173.579 $\pm$ 0.940 χ^2 /NDF: 3304384.0/52

diff_bpm0l09Y_mean vs Slug



Right In: -5.738 ± 0.389 χ^2/NDF : 370.5/25

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

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

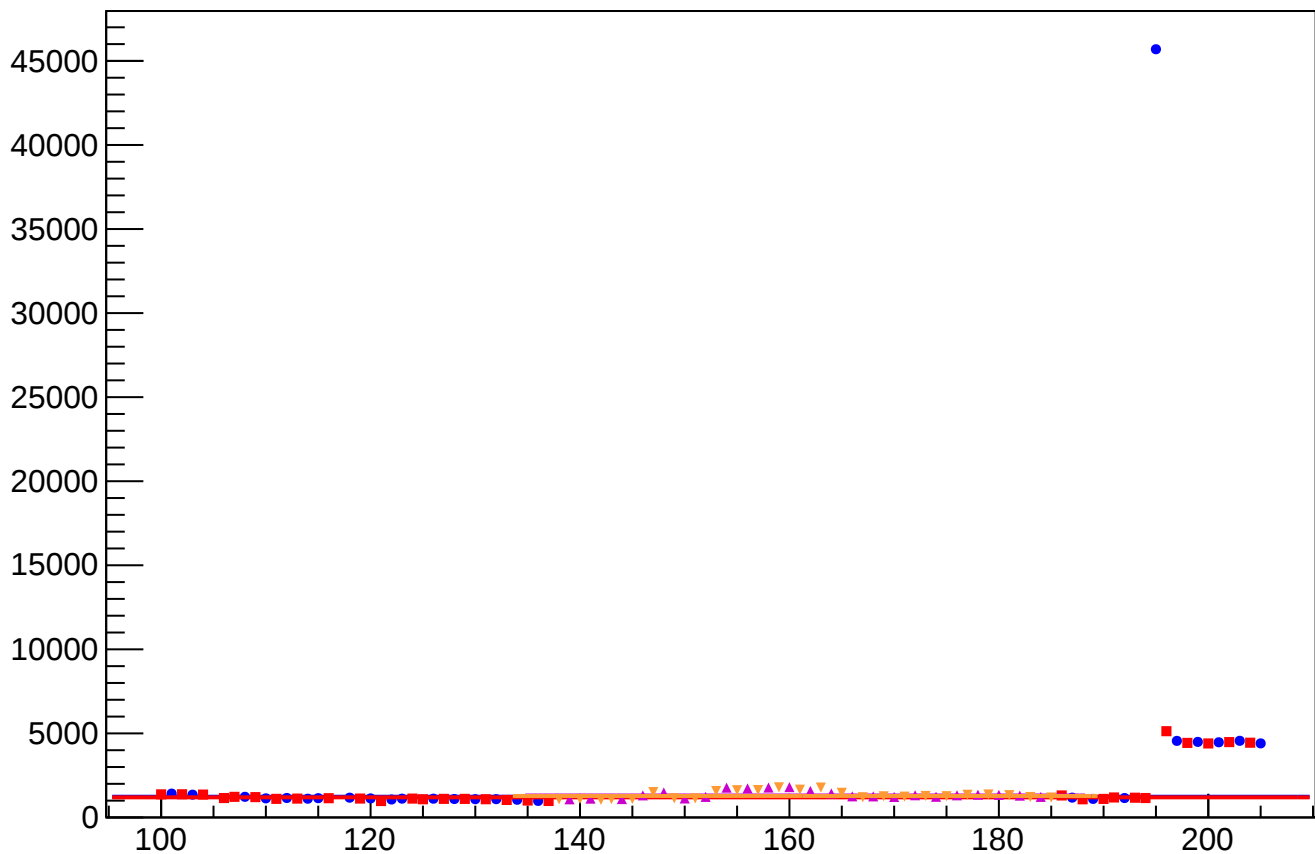
Left In: -1.198 ± 0.318 χ^2/NDF : 31.2/22

+ sign -1.409 ± 0.239 χ^2/NDF : 598.6/50

All: -1.592 ± 0.168 χ^2/NDF : 2046.6/103

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

diff_bpm0l09Y_rms vs Slug



Right In: 1231.214+/-0.275 χ^2/NDF : 5931036.6/25

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

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

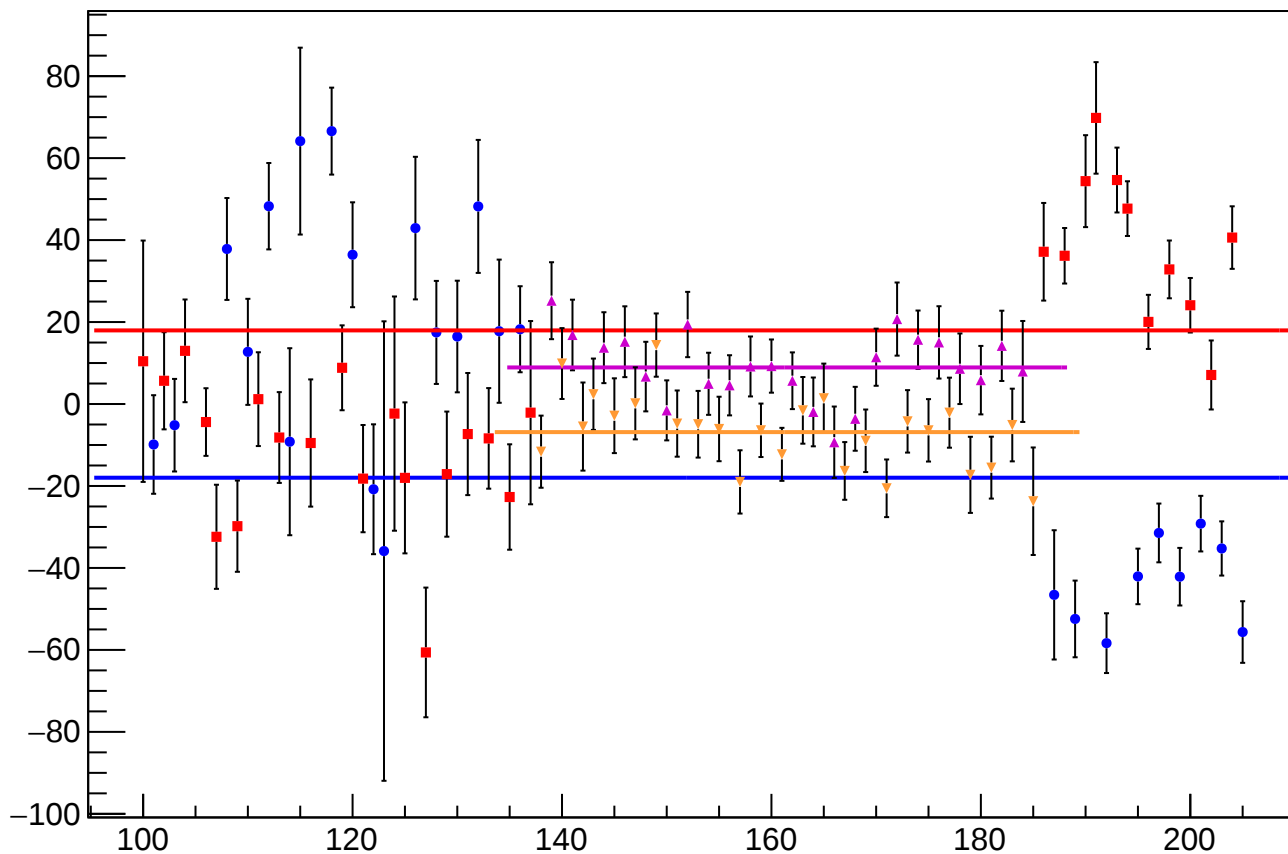
Left In: 1305.541+/-0.225 χ^2/NDF : 760450.8/22

+ sign 1260.341+/-0.169 χ^2/NDF : 6827111.7/50

All: 1258.132+/-0.119 χ^2/NDF : 11470359.3/100

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

diff_bpm0l10X_mean vs Slug



Right In: -17.984 ± 2.006 χ^2/NDF : 331.4/25

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

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

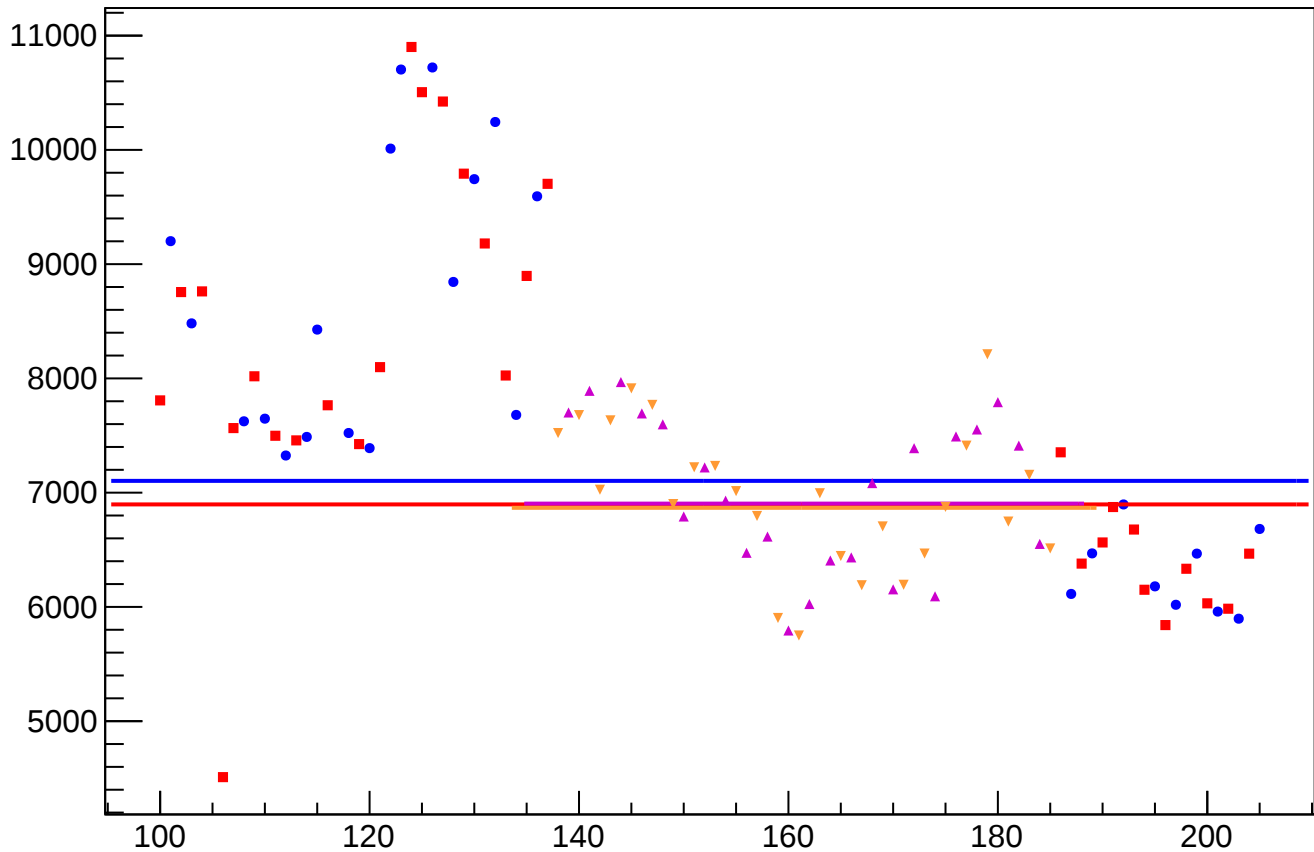
Left In: 8.923 ± 1.674 χ^2/NDF : 21.8/22

+ sign -11.233 ± 1.258 χ^2/NDF : 378.7/50

All: 0.985 ± 0.885 χ^2/NDF : 806.9/103

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

diff_bpm0l10X_rms vs Slug



Right In: 7103.177+/-1.418 χ^2/NDF : 823068.9/25

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

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

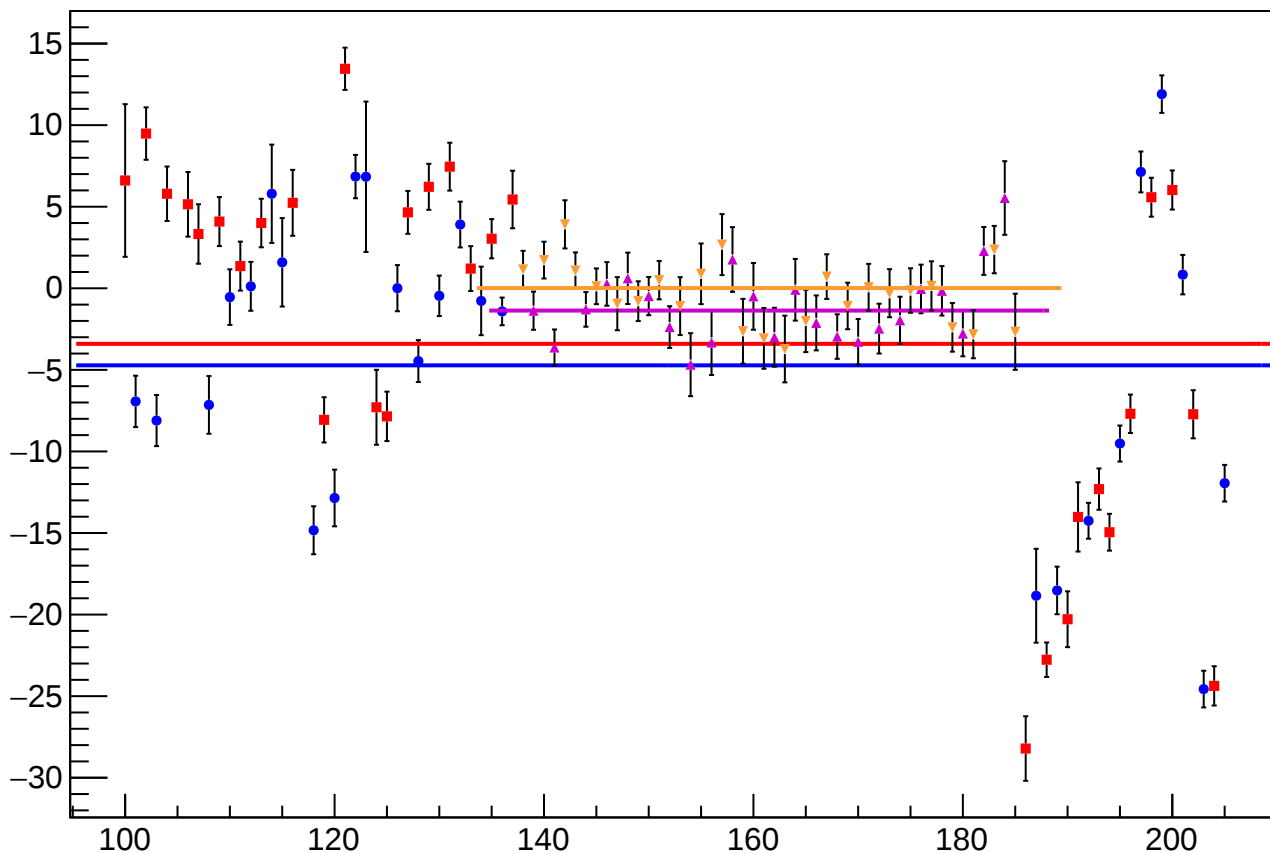
Left In: 6904.117+/-1.184 χ^2/NDF :325912.6/22

+ sign 6960.145+/-0.890 χ^2/NDF : 1146727.7/50

All: 6930.278+/-0.626 χ^2/NDF : 2404001.7/10

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

diff_bpm0l10Y_mean vs Slug



Right In: -4.723 ± 0.274 χ^2/NDF : 1154.1/25

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

Right Out: -3.404 ± 0.266 χ^2/NDF : 1820.3/29

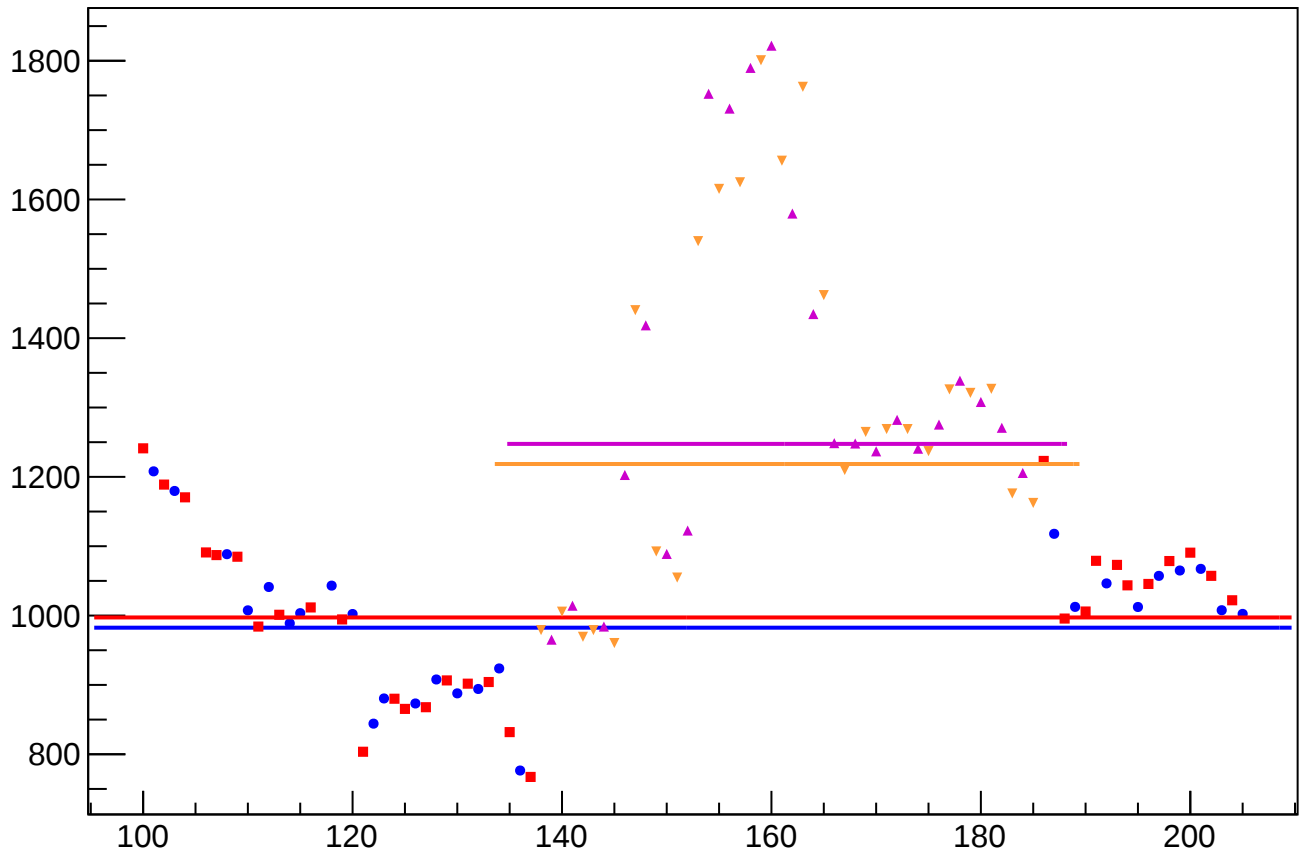
Left In: -1.365 ± 0.306 χ^2/NDF : 38.5/22

+ sign -2.492 ± 0.199 χ^2/NDF : 1330.3/50

All: -2.509 ± 0.141 χ^2/NDF : 3214.5/103

- sign -2.526 ± 0.201 χ^2/NDF : 1884.1/52

diff_bpm0l10Y_rms vs Slug



Right In: 982.521 $\pm$ 0.193 χ^2 /NDF: 310122.0/25

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

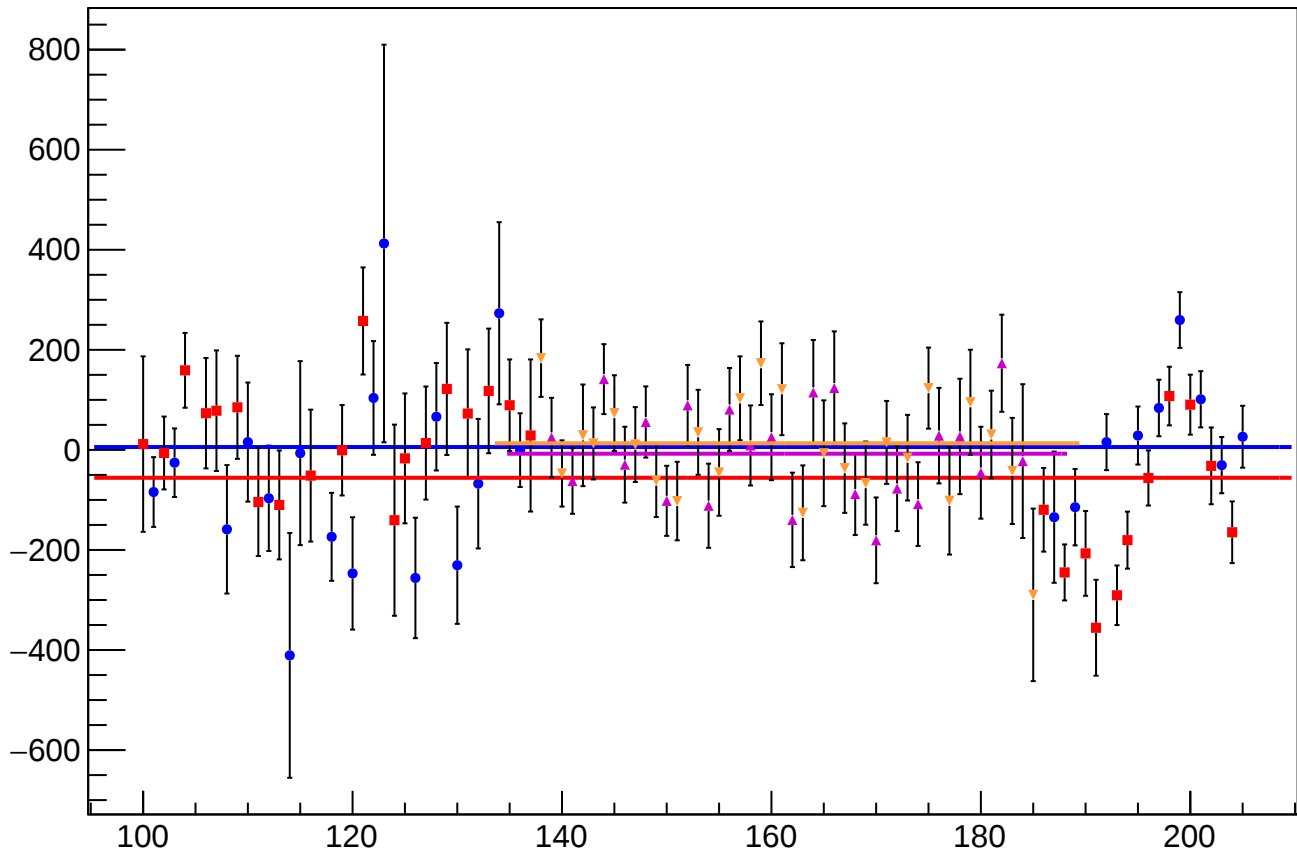
Left In: 1247.538 $\pm$ 0.216 χ^2 /NDF:1073390.3/22

+ sign 1093.704 $\pm$ 0.141 χ^2 /NDF: 2277041.0/50

All: 1099.350 $\pm$ 0.100 χ^2 /NDF: 4440417.4/10

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

diff_bpm0r03X_mean vs Slug



Right In: 5.723 ± 16.100 χ^2/NDF : 59.9/25

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

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

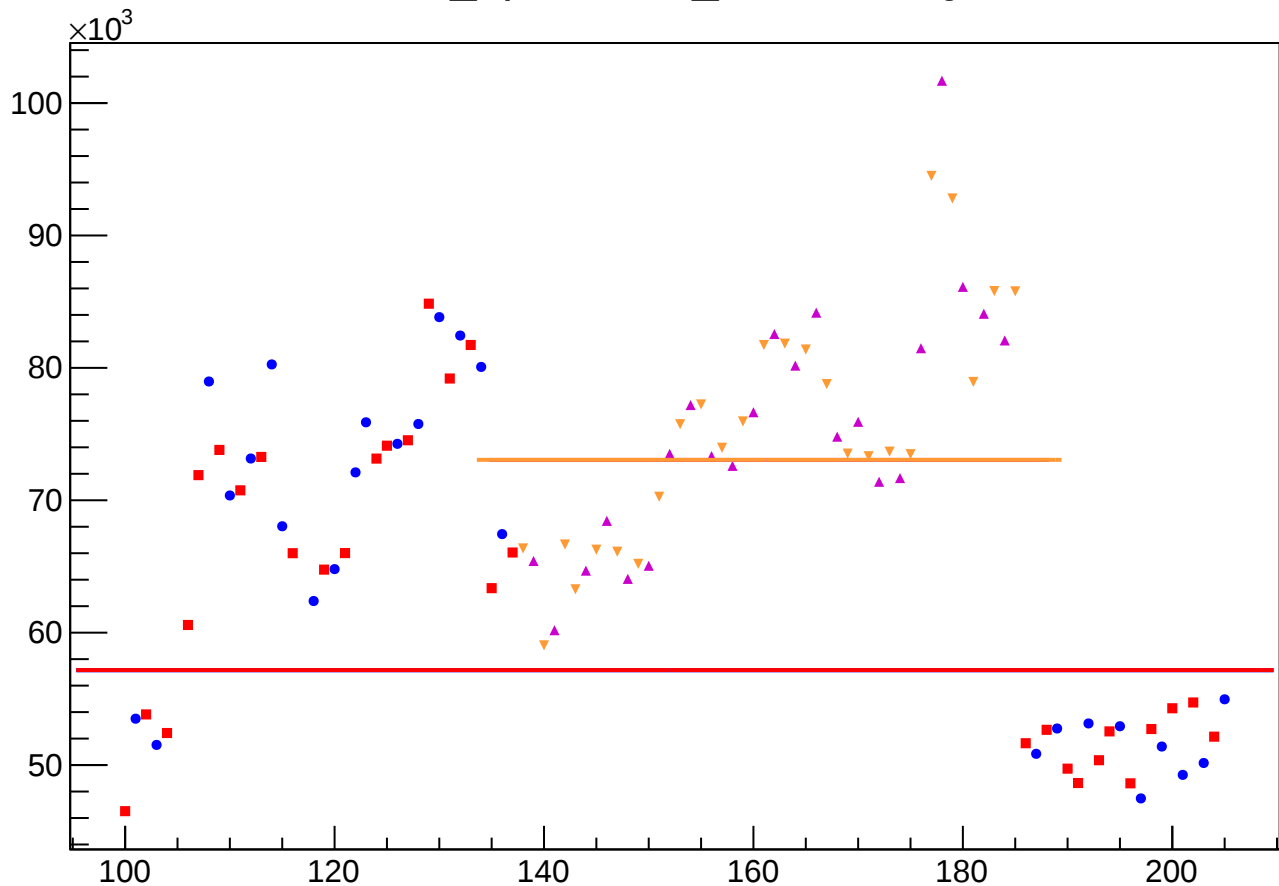
Left In: -7.618 ± 17.672 χ^2/NDF : 28.1/22

+ sign 9.229 ± 11.737 χ^2/NDF : 86.8/50

All: -13.139 ± 8.252 χ^2/NDF : 219.5/103

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

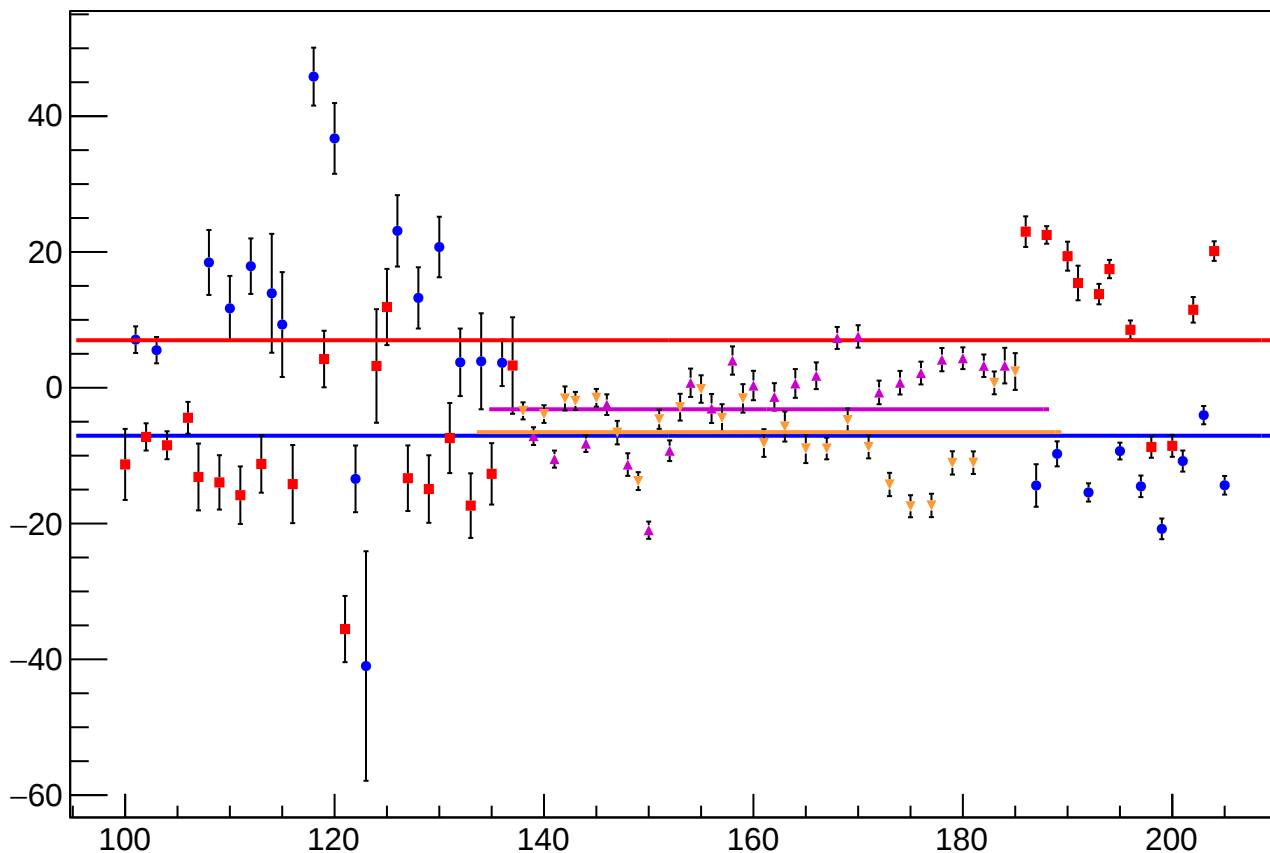
diff_bpm0r03X_rms vs Slug



Right In: 57158.560 $\pm$ 11.385 χ^2 /NDF: 763939.8/25
 Left Out: 73054.401 $\pm$ 12.124 χ^2 /NDF: 473050.9/24
 Right Out: 57173.447 $\pm$ 10.878 χ^2 /NDF: 723476.6/29
 Left In: 73045.500 $\pm$ 12.496 χ^2 /NDF: 463525.5/22

+ sign 64606.948 $\pm$ 8.299 χ^2 /NDF: 2150485.1/50
 All: 64308.131 $\pm$ 5.835 χ^2 /NDF: 4257898.2/1
 - sign 64016.095 $\pm$ 8.205 χ^2 /NDF: 2104849.8/52

diff_bpm0r03Y_mean vs Slug



Right In: -7.066 ± 0.445 $\chi^2/\text{NDF}: 716.6/25$

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

Right Out: 6.998 ± 0.424 $\chi^2/\text{NDF}: 1016.6/29$

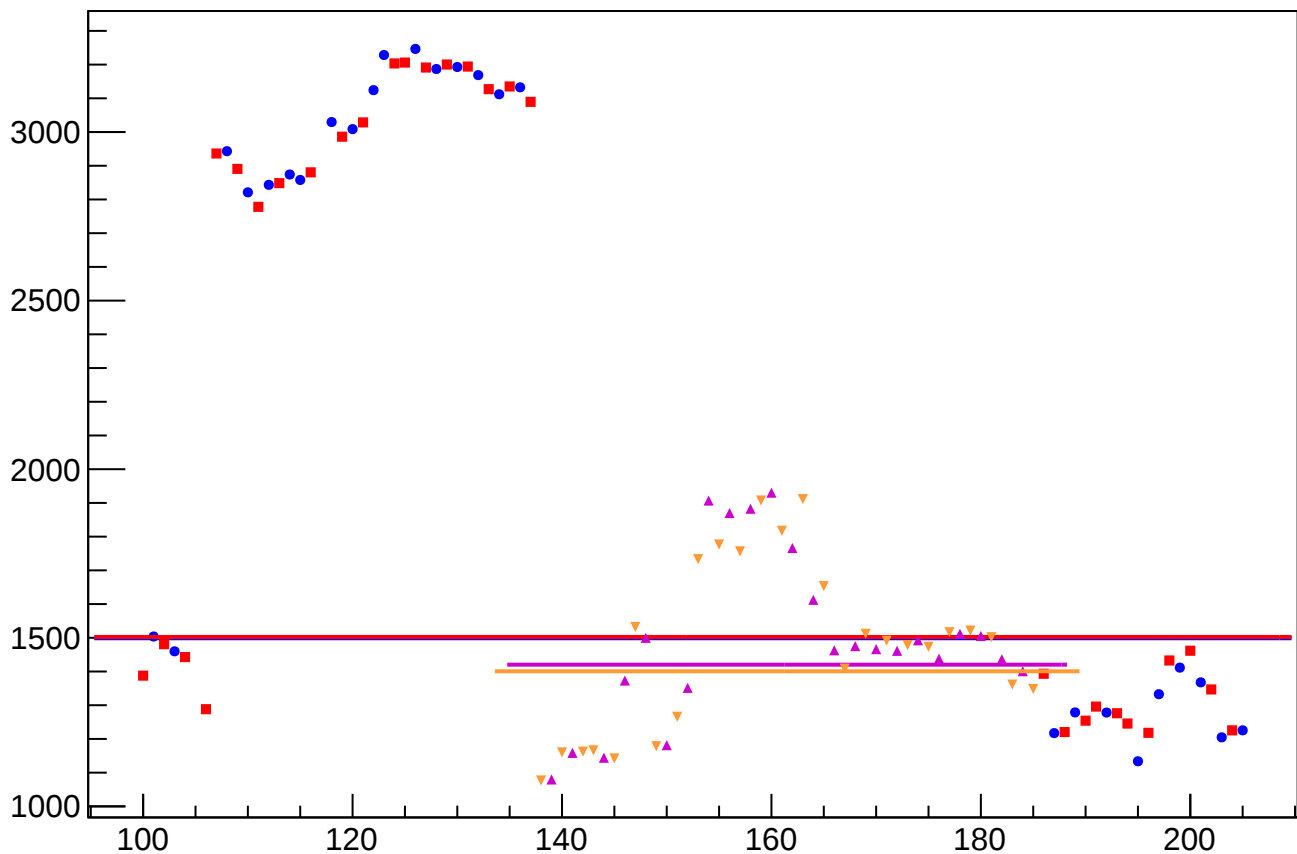
Left In: -3.171 ± 0.346 $\chi^2/\text{NDF}: 487.3/22$

+ sign -6.726 ± 0.266 $\chi^2/\text{NDF}: 970.2/50$

All: -2.946 ± 0.189 $\chi^2/\text{NDF}: 3226.0/103$

- sign 0.899 ± 0.268 $\chi^2/\text{NDF}: 1848.7/52$

diff_bpm0r03Y_rms vs Slug



Right In: 1498.645 $\pm$ 0.315 χ^2 /NDF: 3396094.6/25

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

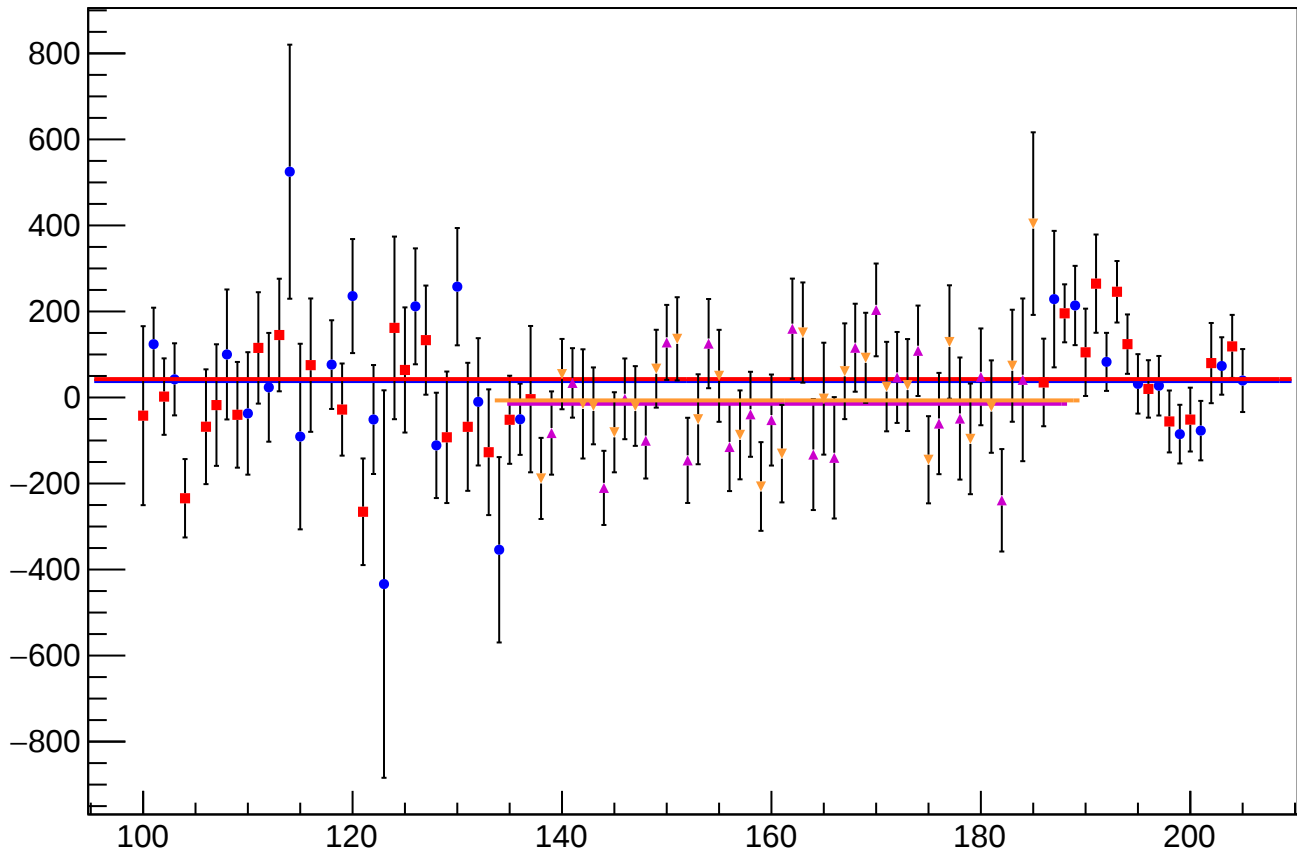
Left In: 1420.285 $\pm$ 0.245 χ^2 /NDF:905186.2/22

+ sign 1435.644 $\pm$ 0.188 χ^2 /NDF: 4496339.9/50

All: 1444.325 $\pm$ 0.134 χ^2 /NDF: 8816759.7/10

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

diff_bpm0r05X_mean vs Slug



Right In: 38.175 ± 19.218 χ^2/NDF : 30.7/25

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

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

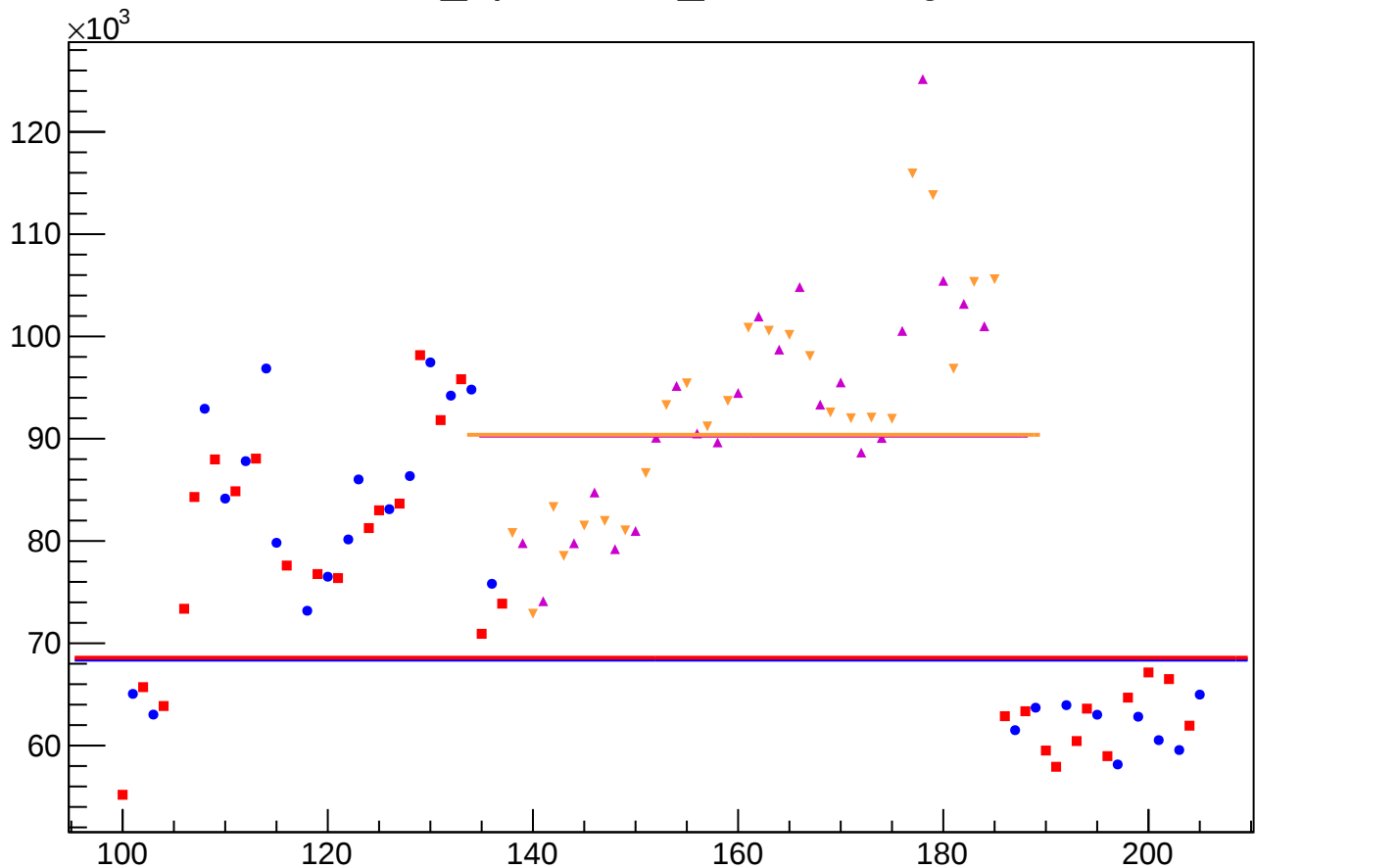
Left In: -14.611 ± 21.846 χ^2/NDF : 29.8/22

+ sign 17.906 ± 14.242 χ^2/NDF : 57.8/50

All: 18.415 ± 10.014 χ^2/NDF : 138.3/103

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

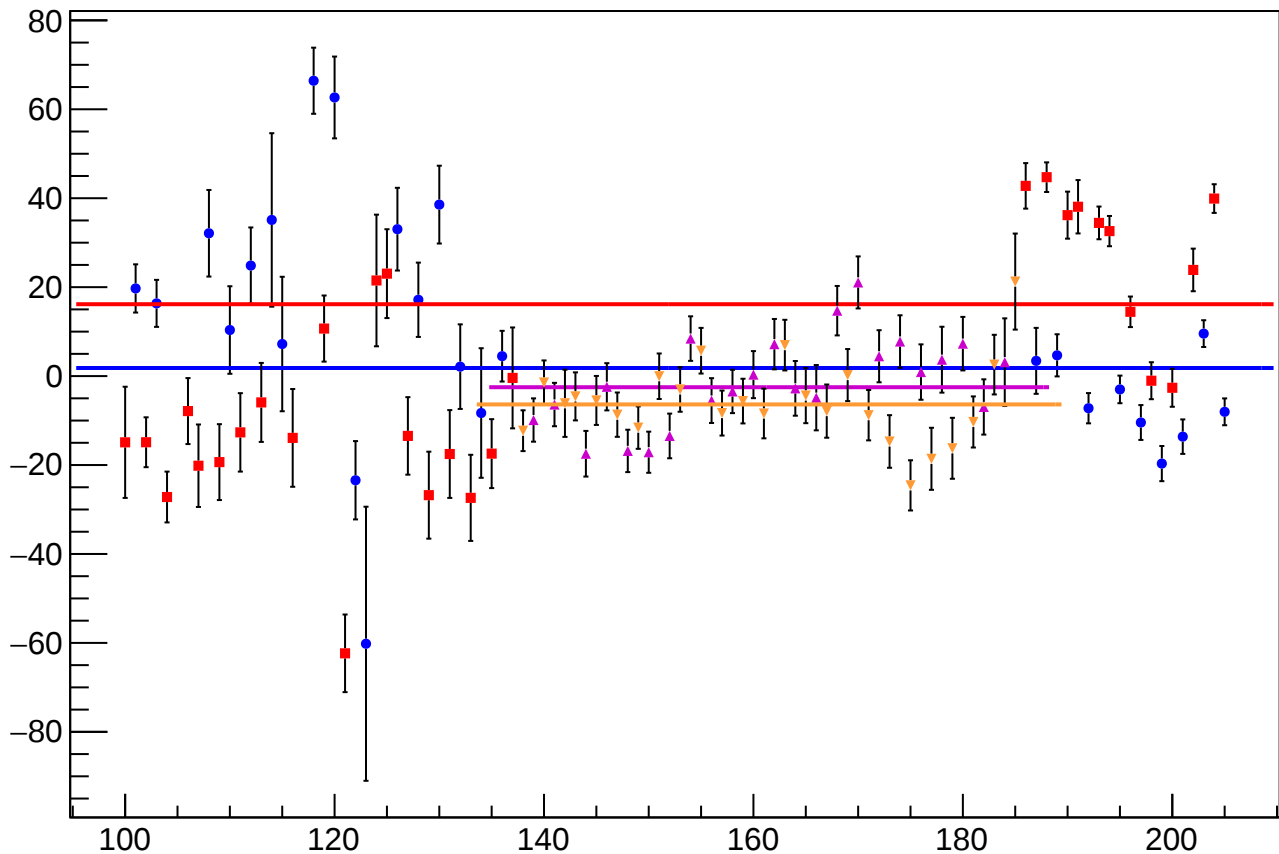
diff_bpm0r05X_rms vs Slug



Right In: 68399.050 $\pm$ 13.589 χ^2 /NDF: 608764.6/25
 Left Out: 90384.853 $\pm$ 15.000 χ^2 /NDF: 461648.2/24
 Right Out: 68589.783 $\pm$ 13.027 χ^2 /NDF: 599699.9/29
 Left In: 90293.591 $\pm$ 15.448 χ^2 /NDF: 461337.5/22

+ sign 78309.678 $\pm$ 10.071 χ^2 /NDF: 2250342.8/50
 All: 77955.986 $\pm$ 7.081 χ^2 /NDF: 4467418.7/1
 - sign 77610.132 $\pm$ 9.959 χ^2 /NDF: 2214636.4/52

diff_bpm0r05Y_mean vs Slug



Right In: 1.823 ± 1.049 χ^2/NDF : 286.0/25

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

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

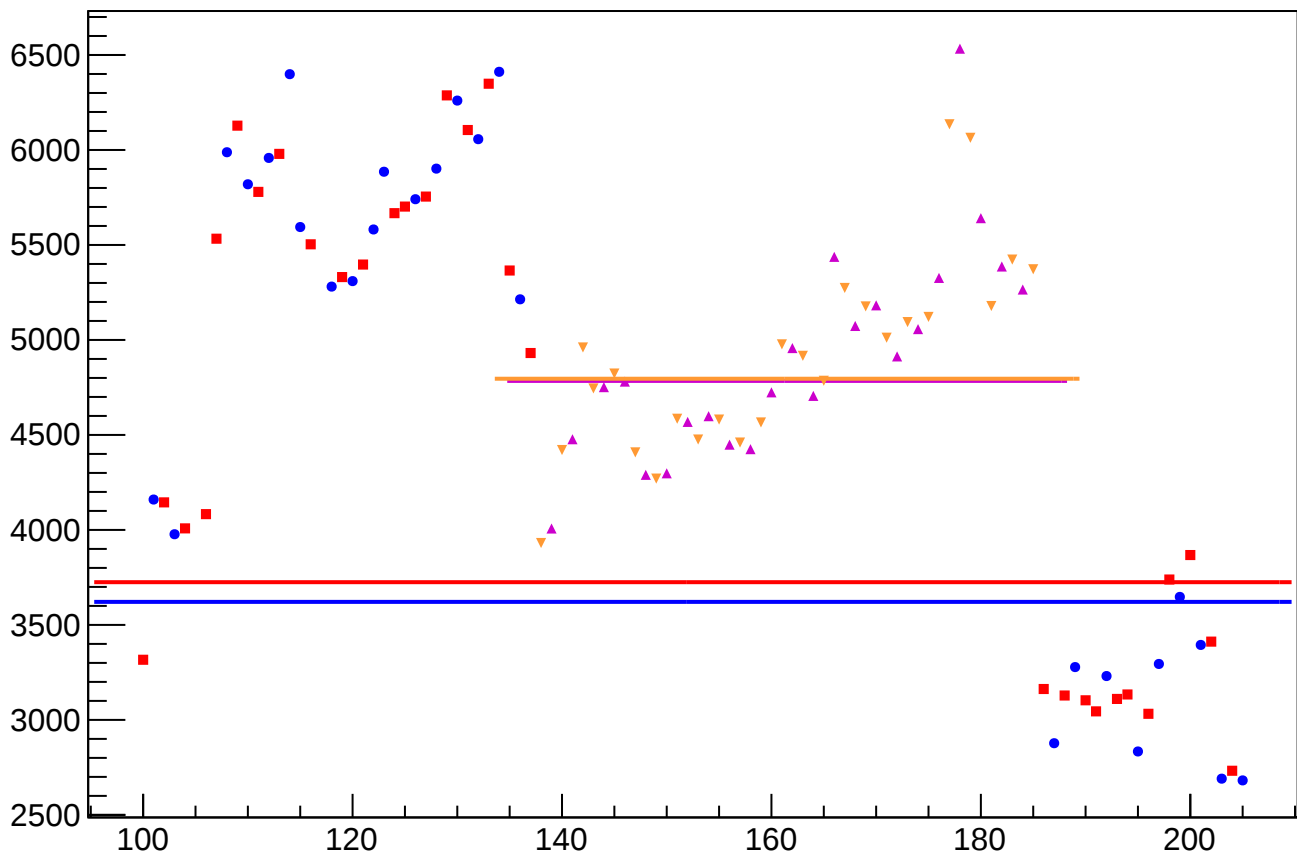
Left In: -2.501 ± 1.156 χ^2/NDF : 78.4/22

+ sign -1.991 ± 0.767 χ^2/NDF : 359.8/50

All: 2.972 ± 0.542 χ^2/NDF : 1265.5/103

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

diff_bpm0r05Y_rms vs Slug



Right In: 3621.239 $\pm$ 0.742 χ^2 /NDF: 2134028.6/25

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

Right Out: 3724.894 $\pm$ 0.725 χ^2 /NDF: 1987460.2/29

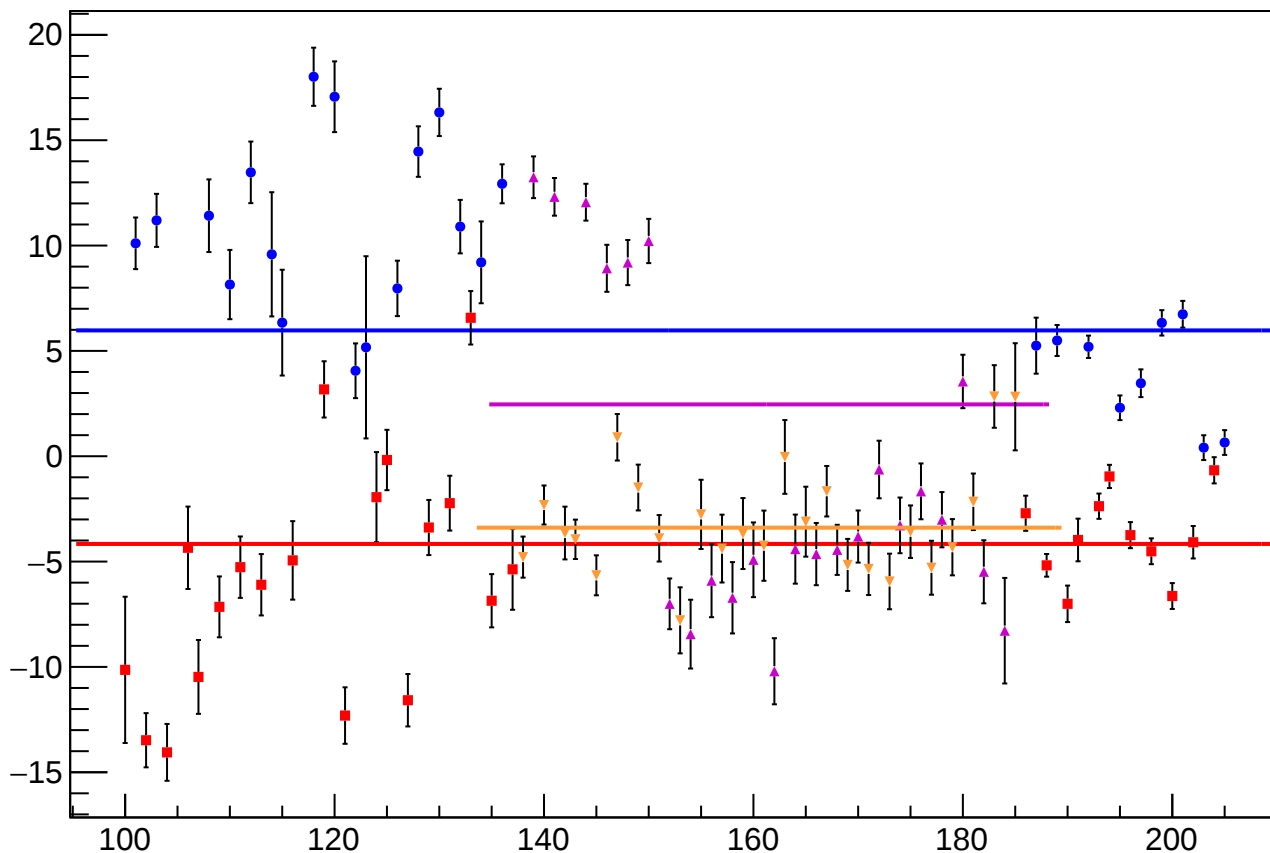
Left In: 4784.434 $\pm$ 0.817 χ^2 /NDF:357507.2/22

+ sign 4167.962 $\pm$ 0.542 χ^2 /NDF: 3663086.9/50

All: 4179.826 $\pm$ 0.384 χ^2 /NDF: 6949060.6/10

- sign 4191.705 $\pm$ 0.543 χ^2 /NDF: 3285015.5/52

diff_bpm2i01X_mean vs Slug



Right In: 5.972 ± 0.181 χ^2/NDF : 631.6/25

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

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

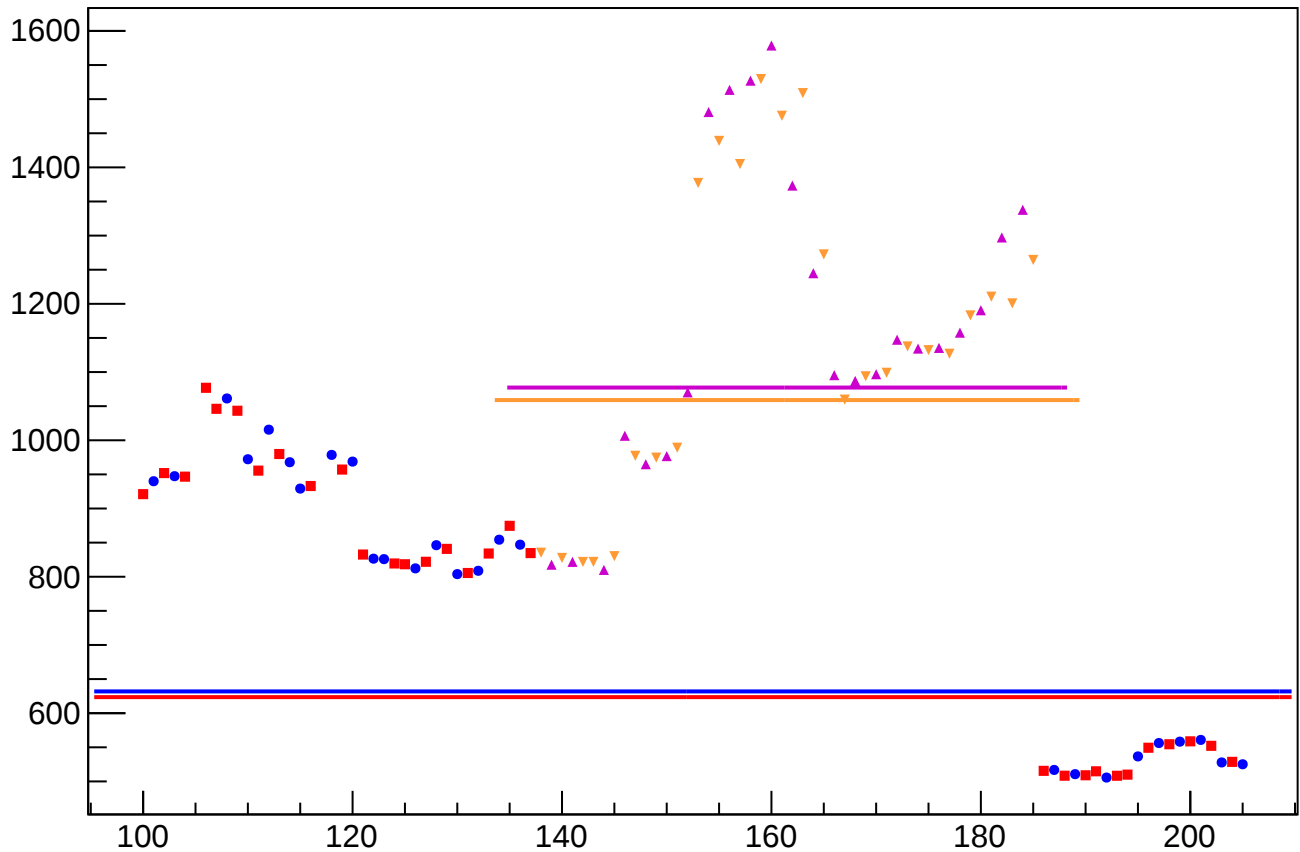
Left In: 2.461 ± 0.264 χ^2/NDF : 928.0/22

+ sign 2.794 ± 0.147 χ^2/NDF : 1619.2/50

All: 0.236 ± 0.103 χ^2/NDF : 4010.2/103

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

diff_bpm2i01X_rms vs Slug



Right In: 631.924+/-0.128 χ^2/NDF : 1675807.2/25

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

Right Out: 623.535+/-0.121 χ^2/NDF : 1943351.8/29

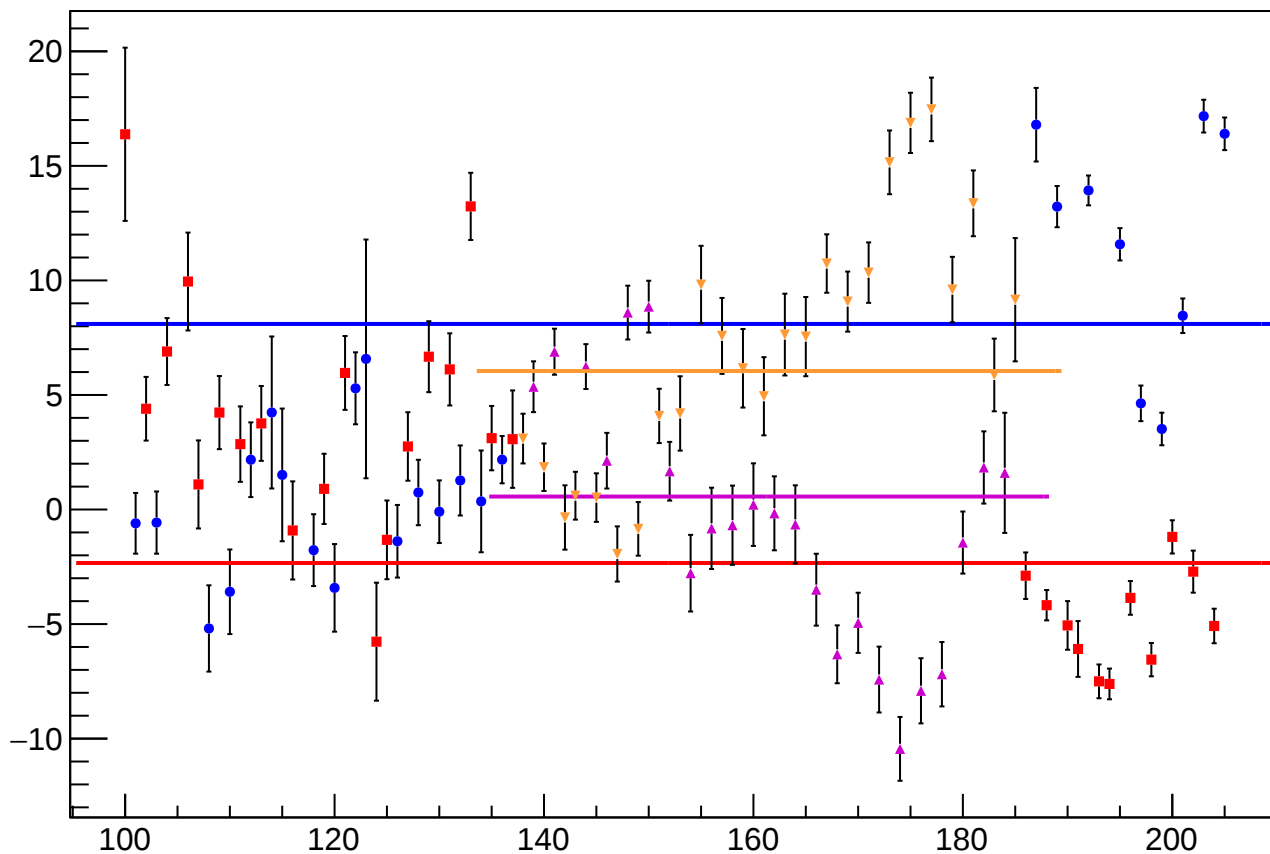
Left In: 1077.284+/-0.187 χ^2/NDF : 1280349.9/22

+ sign 776.868+/-0.104 χ^2/NDF : 6864854.9/50

All: 766.962+/-0.073 χ^2/NDF : 14258710.5/10

- sign 757.497+/-0.102 χ^2/NDF : 7376086.0/52

diff_bpm2i01Y_mean vs Slug



Right In: 8.100 ± 0.215 $\chi^2/\text{NDF}: 960.7/25$

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

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

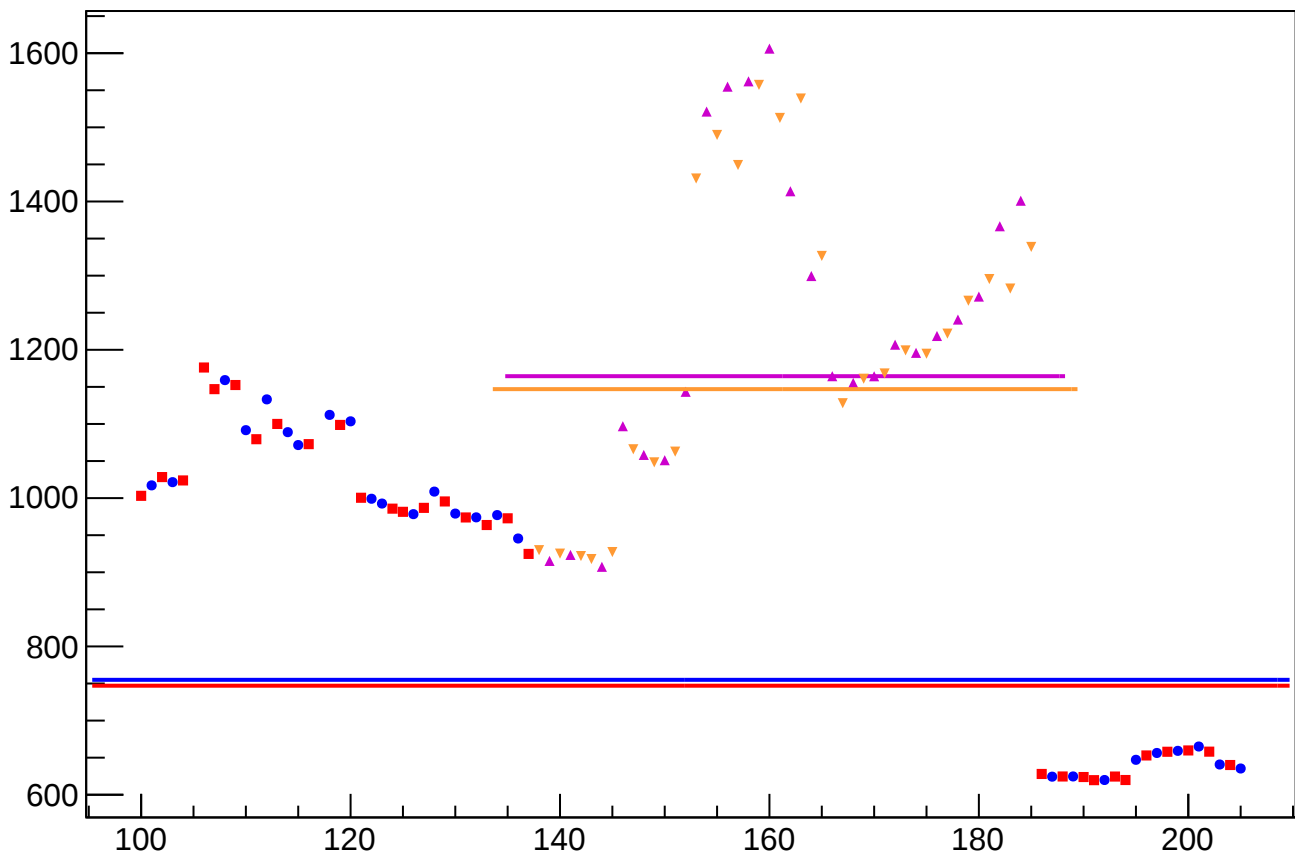
Left In: 0.566 ± 0.284 $\chi^2/\text{NDF}: 417.0/22$

+ sign 7.310 ± 0.168 $\chi^2/\text{NDF}: 1426.7/50$

All: 2.903 ± 0.118 $\chi^2/\text{NDF}: 3853.5/103$

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

diff_bpm2i01Y_rms vs Slug



Right In: 754.964 $\pm$ 0.152 χ^2 /NDF: 1366606.3/25

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

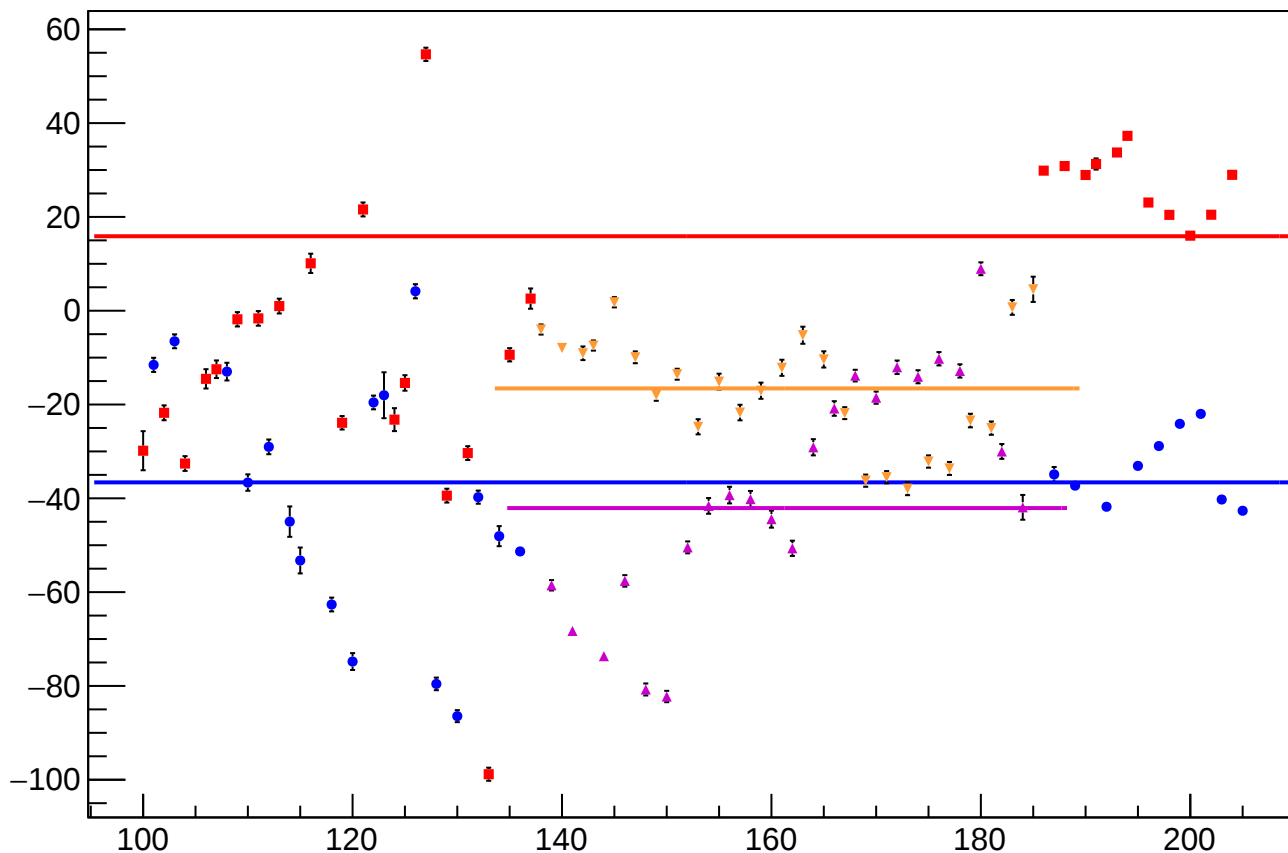
Left In: 1164.432 $\pm$ 0.201 χ^2 /NDF: 944112.0/22

+ sign 905.676 $\pm$ 0.119 χ^2 /NDF: 4975387.7/50

All: 897.005 $\pm$ 0.083 χ^2 /NDF: 10348077.6/10

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

diff_bpm2i02X_mean vs Slug



Right In: -36.599 ± 0.211 χ^2/NDF : 6282.6/25

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

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

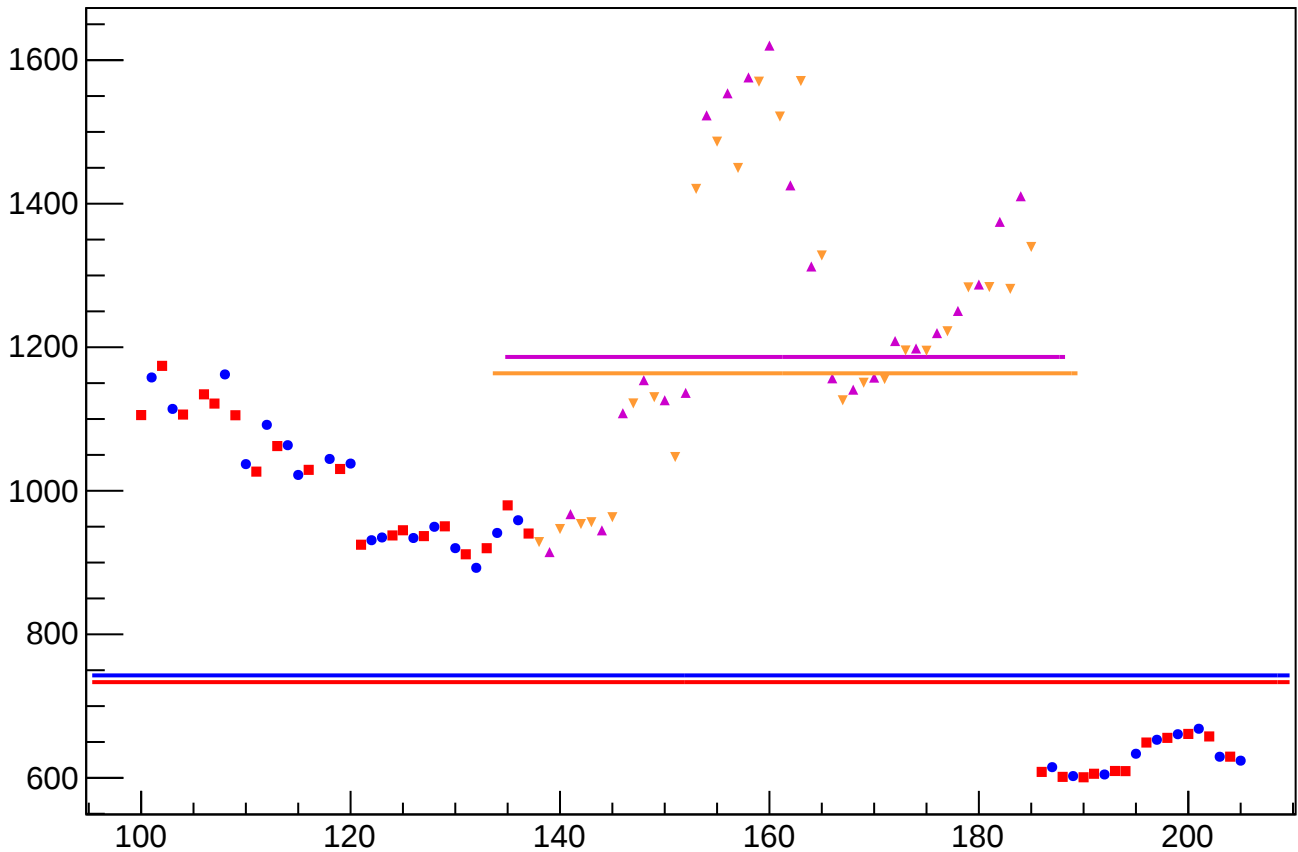
Left In: -42.077 ± 0.289 χ^2/NDF : 8332.3/22

+ sign -29.173 ± 0.168 χ^2/NDF : 11546.9/50

All: -15.767 ± 0.117 χ^2/NDF : 76884.8/103

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

diff_bpm2i02X_rms vs Slug



Right In: 742.788 $\pm$ 0.149 χ^2 /NDF: 1379982.3/25

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

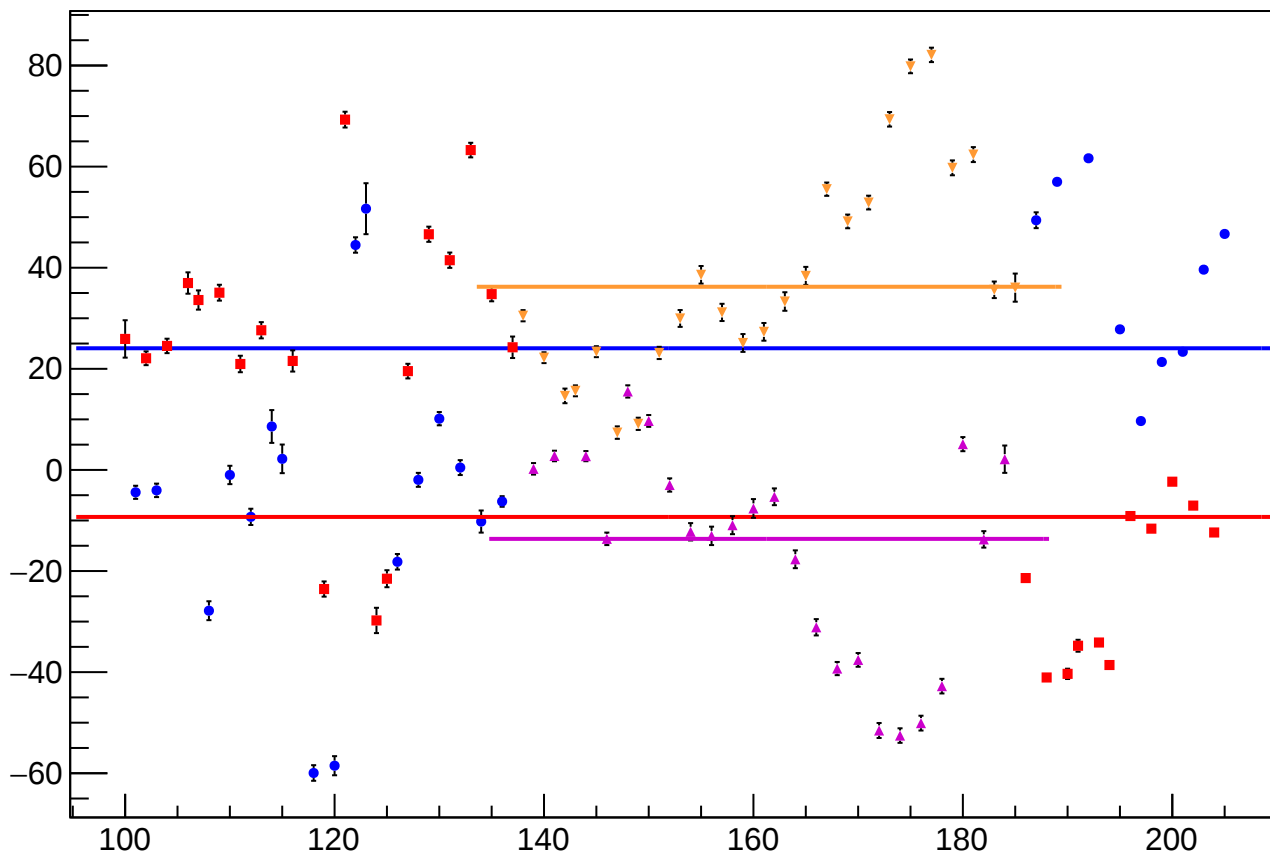
Left In: 1186.476 $\pm$ 0.204 χ^2 /NDF: 833420.3/22

+ sign 898.813 $\pm$ 0.119 χ^2 /NDF: 5258927.8/50

All: 889.191 $\pm$ 0.083 χ^2 /NDF: 11008729.2/10

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

diff_bpm2i02Y_mean vs Slug



Right In: 24.066 ± 0.209 $\chi^2/\text{NDF}: 17311.2/25$

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

Right Out: -9.298 ± 0.198 $\chi^2/\text{NDF}: 20882.2/29$

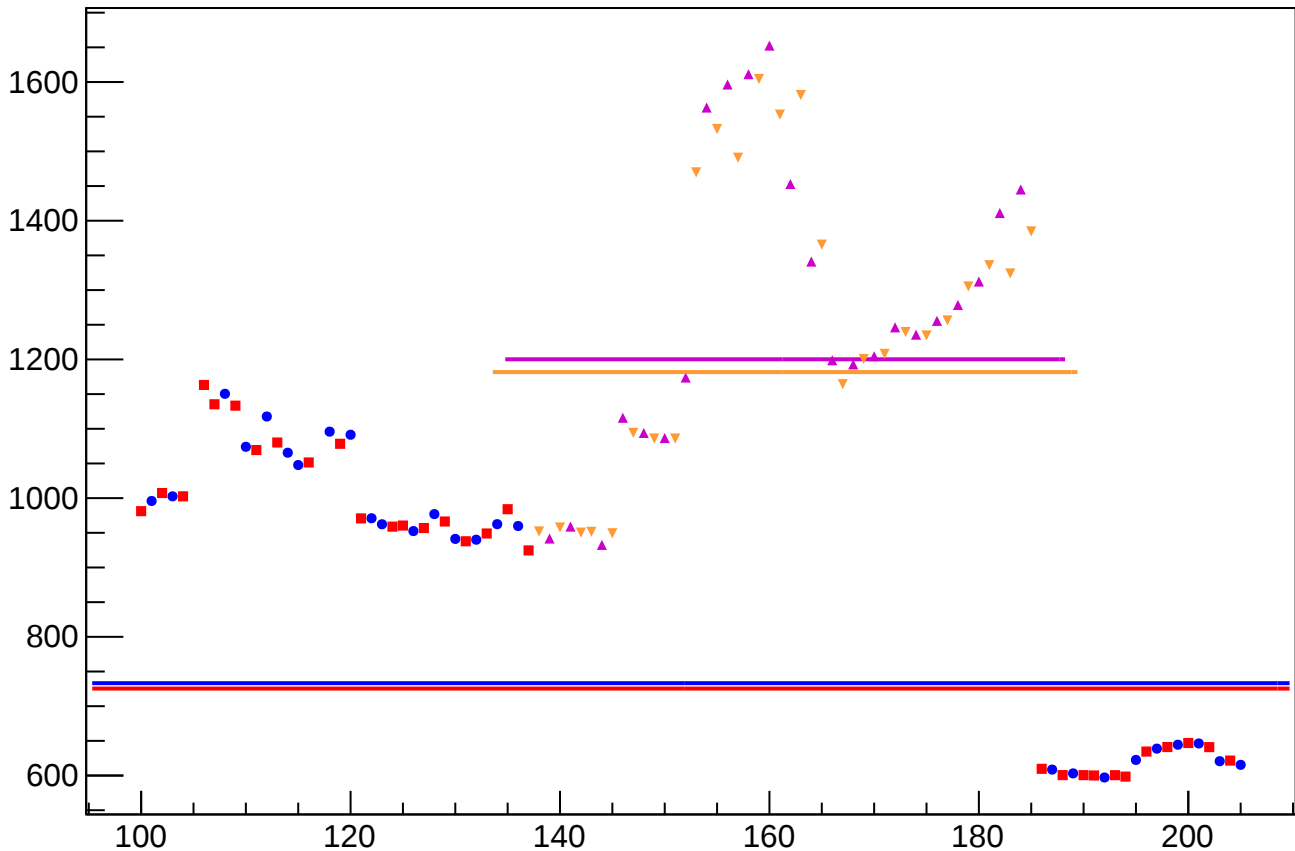
Left In: -13.640 ± 0.293 $\chi^2/\text{NDF}: 5178.0/22$

+ sign 28.417 ± 0.167 $\chi^2/\text{NDF}: 24319.8/50$

All: 8.481 ± 0.117 $\chi^2/\text{NDF}: 78345.5/103$

- sign -10.660 ± 0.164 $\chi^2/\text{NDF}: 26211.1/52$

diff_bpm2i02Y_rms vs Slug



Right In: 733.198+/-0.148 χ^2/NDF : 1443753.7/25

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

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

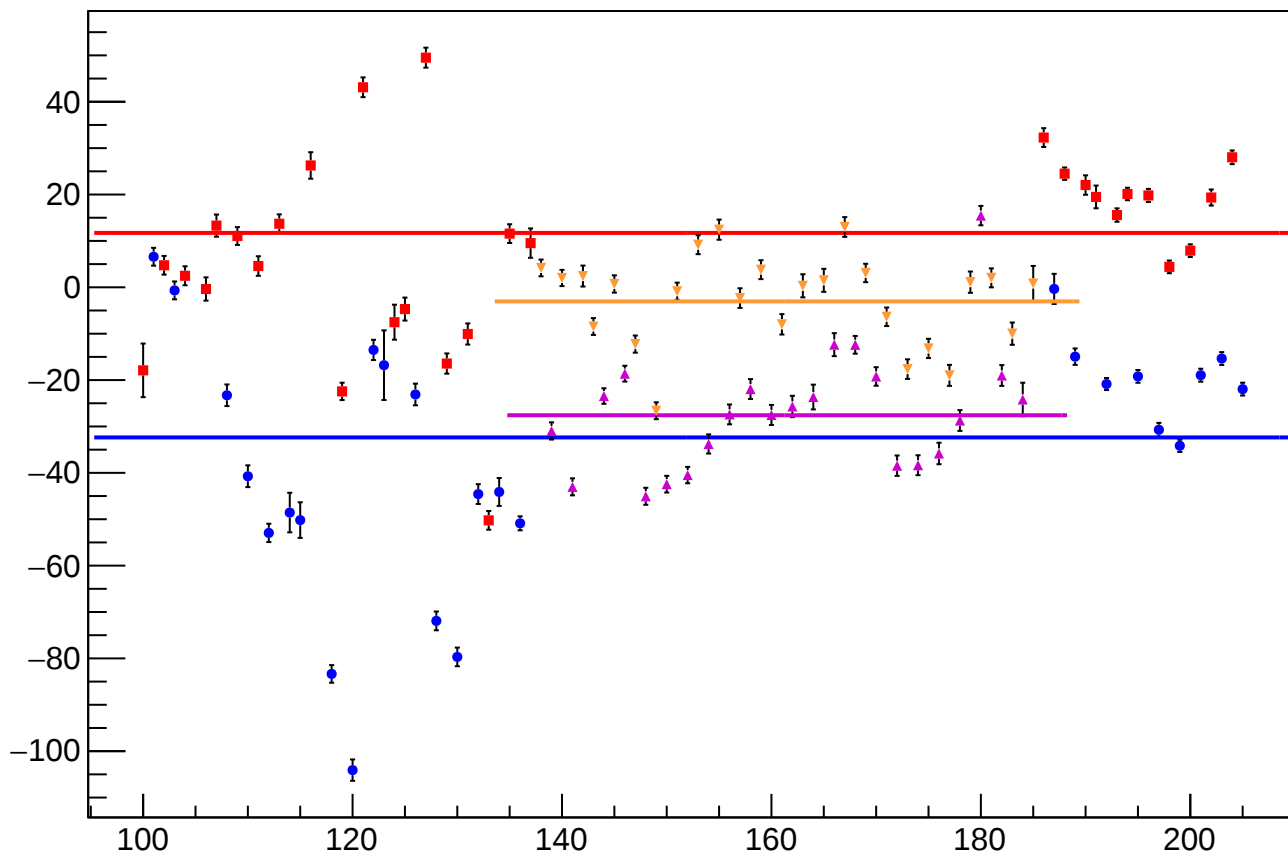
Left In: 1200.198+/-0.207 χ^2/NDF : 938224.7/22

+ sign 893.578+/-0.118 χ^2/NDF : 5787364.7/50

All: 883.771+/-0.083 χ^2/NDF : 11996215.2/10

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

diff_bpm0i02X_mean vs Slug



Right In: -32.366 ± 0.364 χ^2/NDF : 4441.3/25

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

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

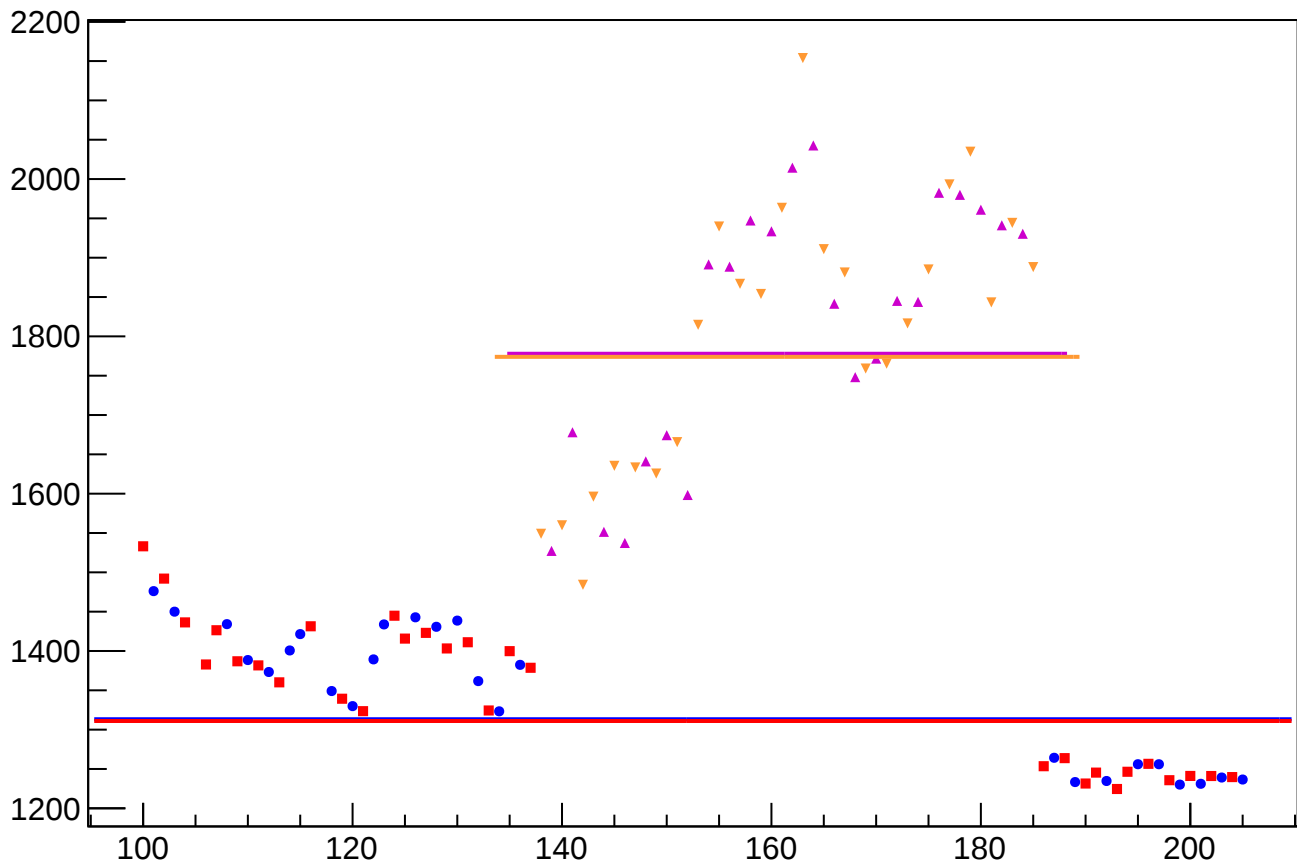
Left In: -27.583 ± 0.429 χ^2/NDF : 960.1/22

+ sign -19.609 ± 0.274 χ^2/NDF : 7817.9/50

All: -11.641 ± 0.192 χ^2/NDF : 18254.3/103

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

diff_bpm0i02X_rms vs Slug



Right In: 1313.228 $\pm$ 0.258 χ^2 /NDF: 110758.9/25

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

Right Out: 1311.008 $\pm$ 0.246 χ^2 /NDF: 109716.0/29

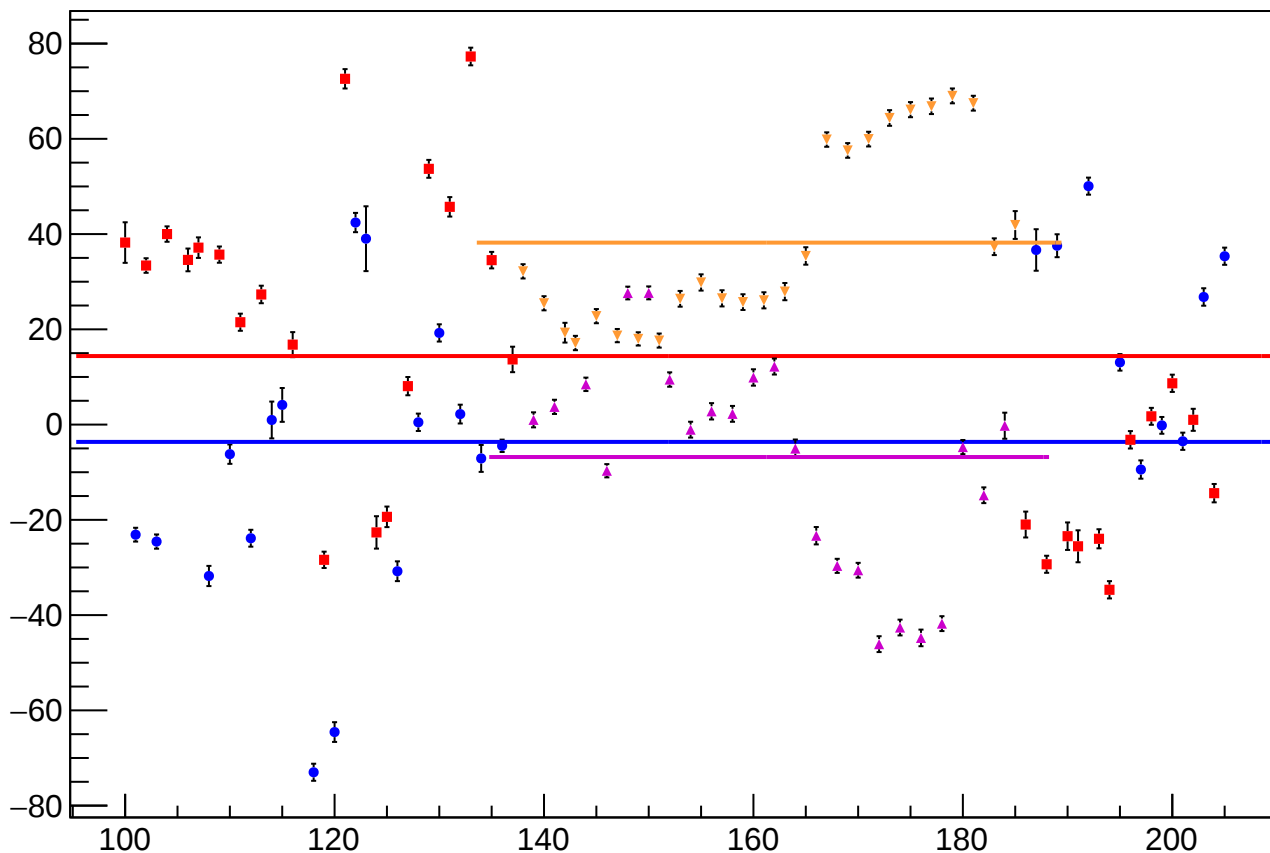
Left In: 1777.884 $\pm$ 0.303 χ^2 /NDF: 299514.0/22

+ sign 1513.628 $\pm$ 0.194 χ^2 /NDF: 1816135.9/50

All: 1504.857 $\pm$ 0.136 χ^2 /NDF: 3657862.3/10

- sign 1496.308 $\pm$ 0.191 χ^2 /NDF: 1837672.2/52

diff_bpm0i02Y_mean vs Slug



Right In: -3.634 ± 0.382 χ^2/NDF : 6079.7/25

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

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

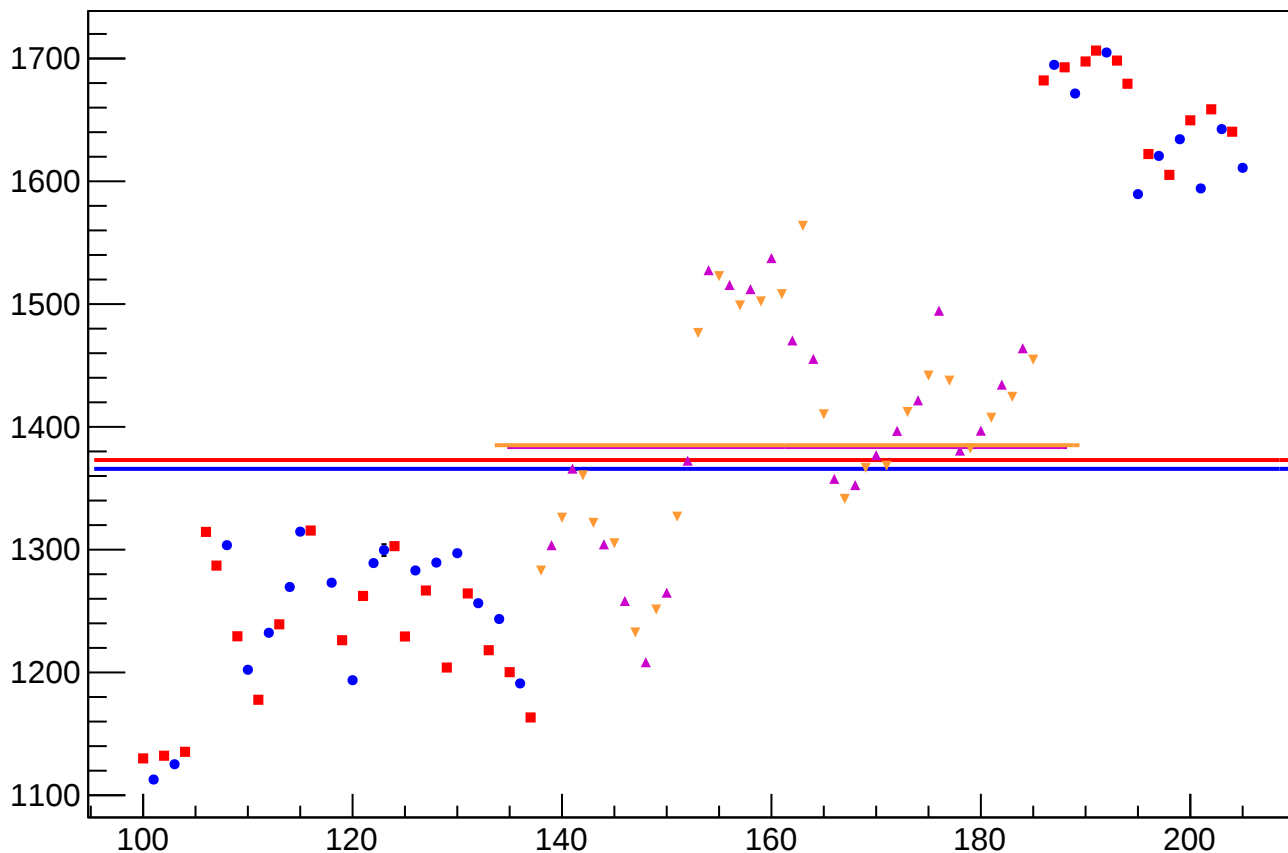
Left In: -6.808 ± 0.333 χ^2/NDF : 4494.5/22

+ sign 20.753 ± 0.247 χ^2/NDF : 16577.5/50

All: 11.744 ± 0.175 χ^2/NDF : 32760.3/103

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

diff_bpm0i02Y_rms vs Slug



Right In: 1365.806 $\pm$ 0.270 χ^2 /NDF: 562736.9/25

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

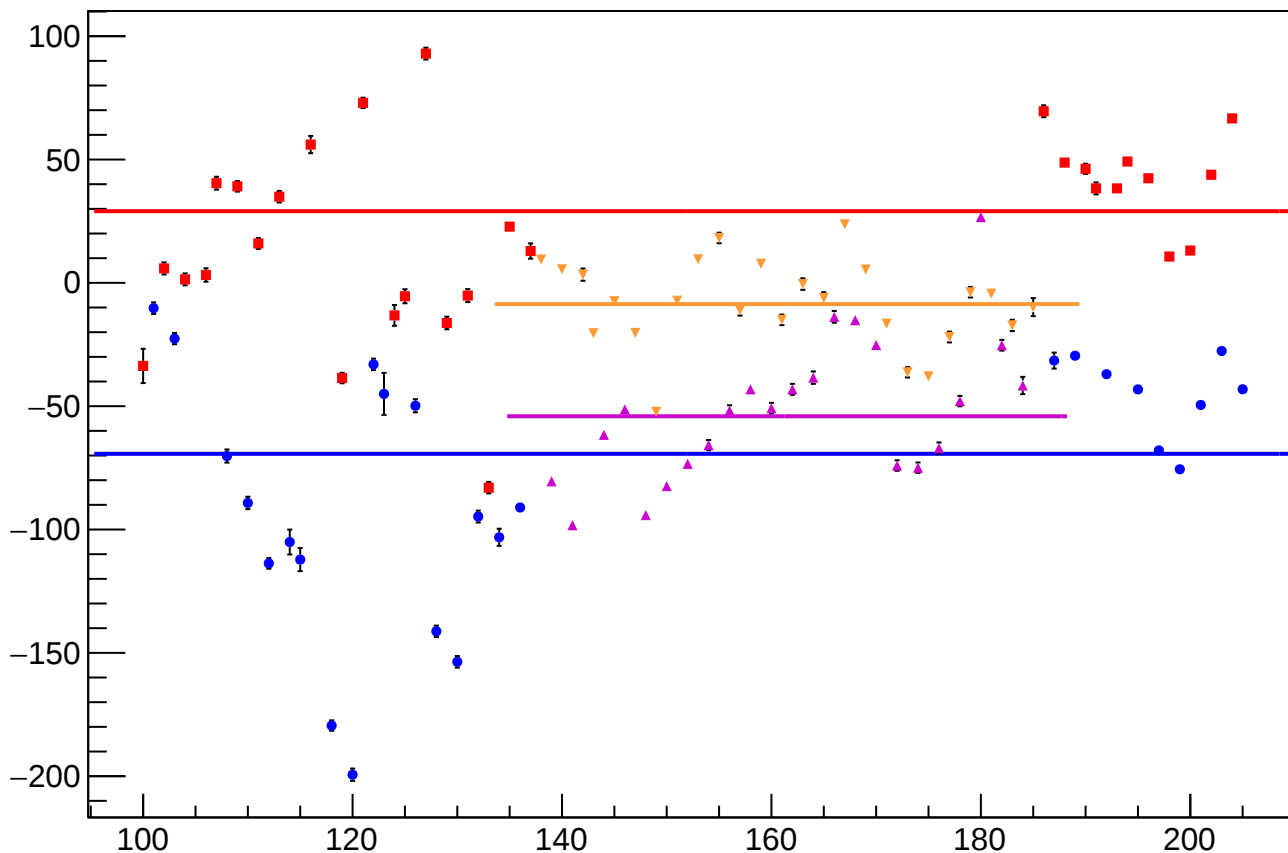
Left In: 1383.558 $\pm$ 0.235 χ^2 /NDF:154696.0/22

+ sign 1377.030 $\pm$ 0.175 χ^2 /NDF: 711697.0/50

All: 1377.916 $\pm$ 0.123 χ^2 /NDF: 1555847.8/10

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

diff_bpm0i02aX_mean vs Slug



Right In: -69.309 ± 0.404 $\chi^2/\text{NDF}: 12783.5/25$

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

Right Out: 29.051 ± 0.382 $\chi^2/\text{NDF}: 7488.6/29$

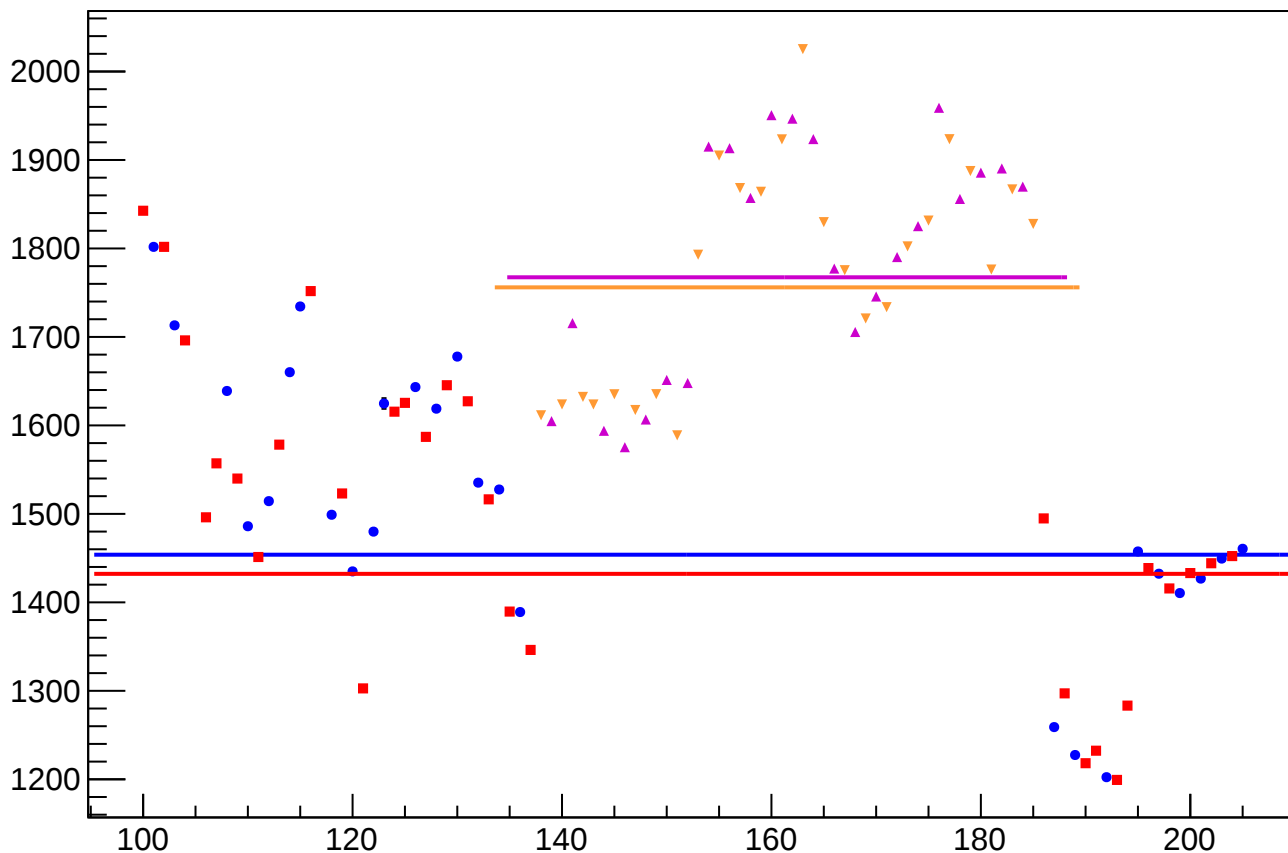
Left In: -54.089 ± 0.426 $\chi^2/\text{NDF}: 4721.6/22$

+ sign -39.389 ± 0.288 $\chi^2/\text{NDF}: 25818.5/50$

All: -23.474 ± 0.202 $\chi^2/\text{NDF}: 65210.4/103$

- sign -7.987 ± 0.284 $\chi^2/\text{NDF}: 33366.6/52$

diff_bpm0i02aX_rms vs Slug



Right In: 1453.857 $\pm$ 0.286 χ^2 /NDF: 261532.9/25

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

Right Out: 1432.214 $\pm$ 0.270 χ^2 /NDF: 308100.6/29

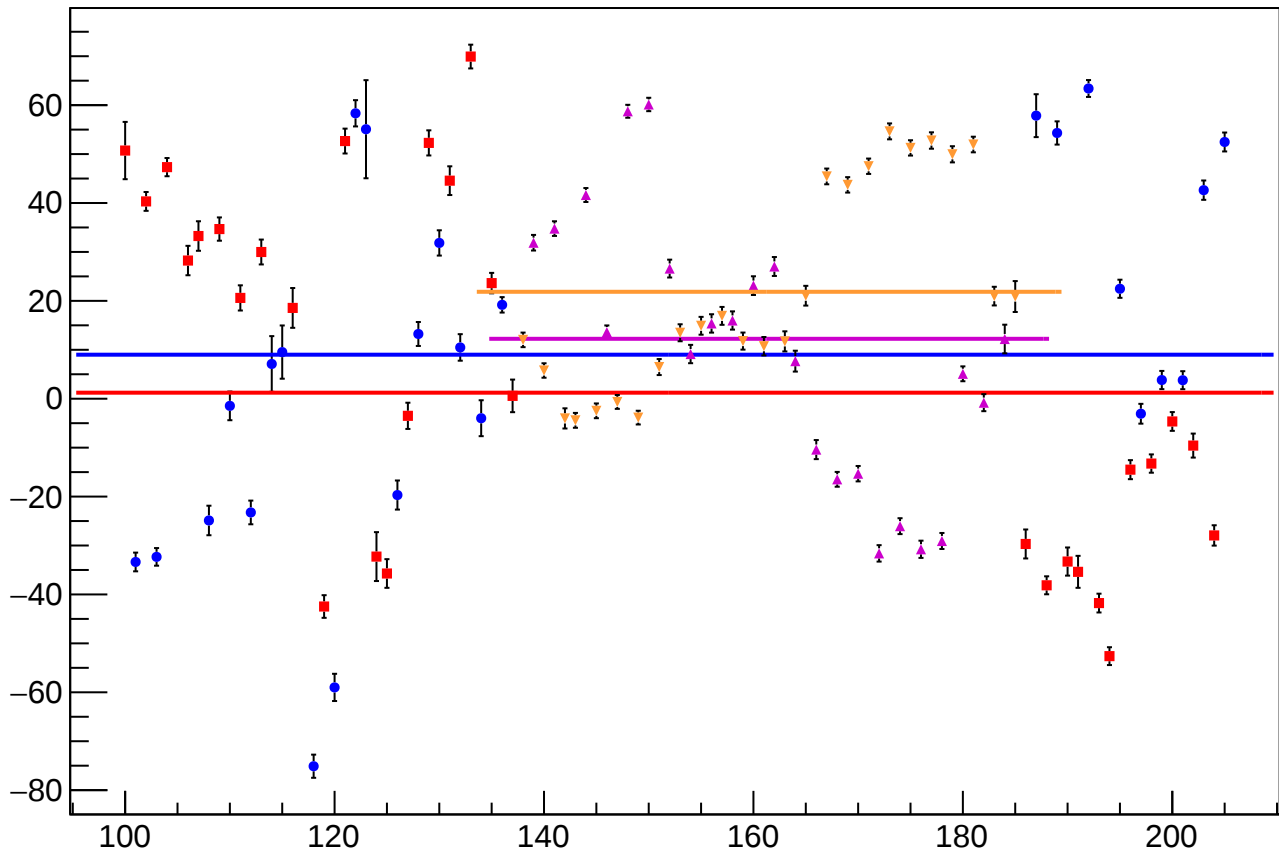
Left In: 1767.410 $\pm$ 0.301 χ^2 /NDF:187958.2/22

+ sign 1602.798 $\pm$ 0.204 χ^2 /NDF: 987618.9/50

All: 1592.025 $\pm$ 0.143 χ^2 /NDF: 2176989.0/10

- sign 1581.541 $\pm$ 0.201 χ^2 /NDF: 1183848.1/52

diff_bpm0i02aY_mean vs Slug



Right In: 8.998 ± 0.459 χ^2/NDF : 6162.9/25

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

Right Out: 1.234 ± 0.440 χ^2/NDF : 6754.5/29

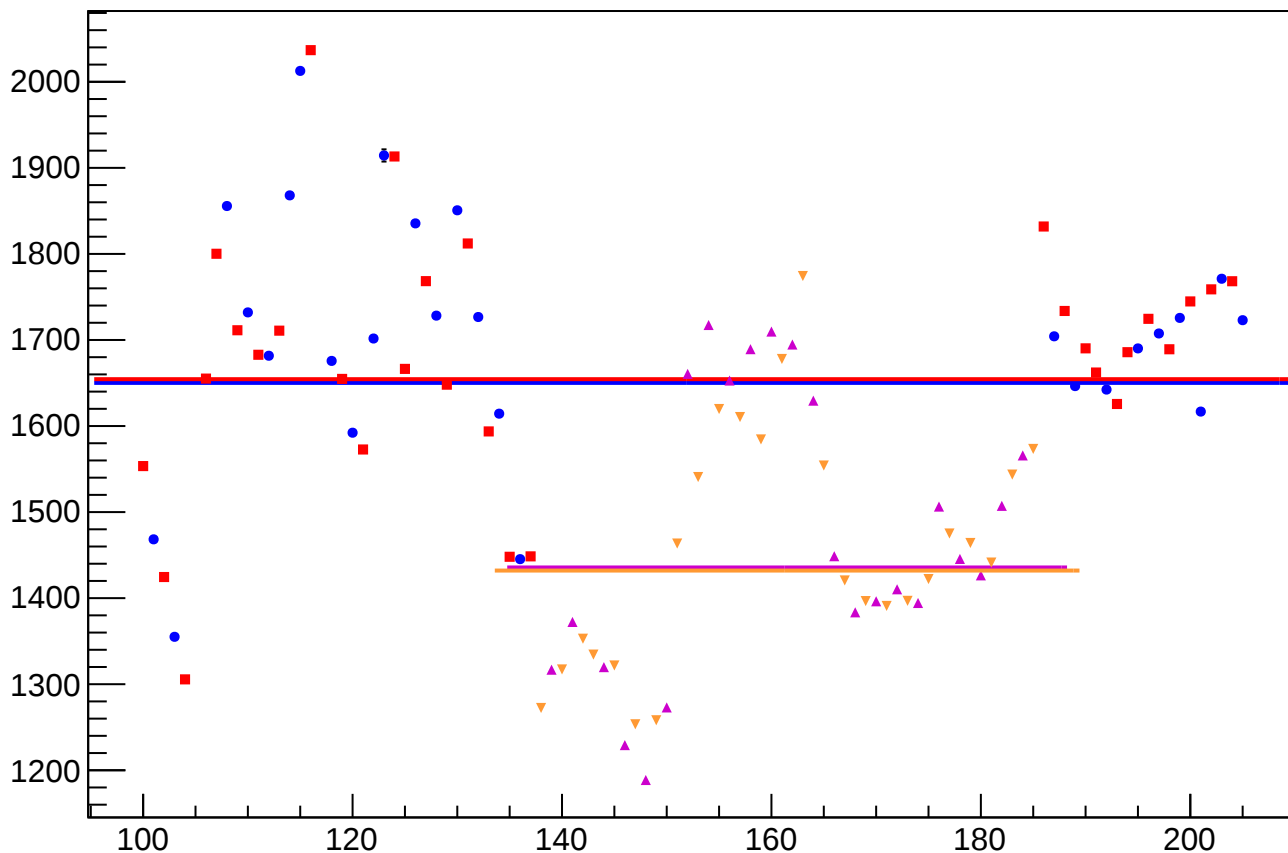
Left In: 12.246 ± 0.347 χ^2/NDF : 6781.6/22

+ sign 17.380 ± 0.271 χ^2/NDF : 10785.2/50

All: 12.733 ± 0.192 χ^2/NDF : 25300.3/103

- sign 8.025 ± 0.273 χ^2/NDF : 13922.0/52

diff_bpm0i02aY_rms vs Slug



Right In: 1650.140 $\pm$ 0.324 χ^2 /NDF: 172429.9/25

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

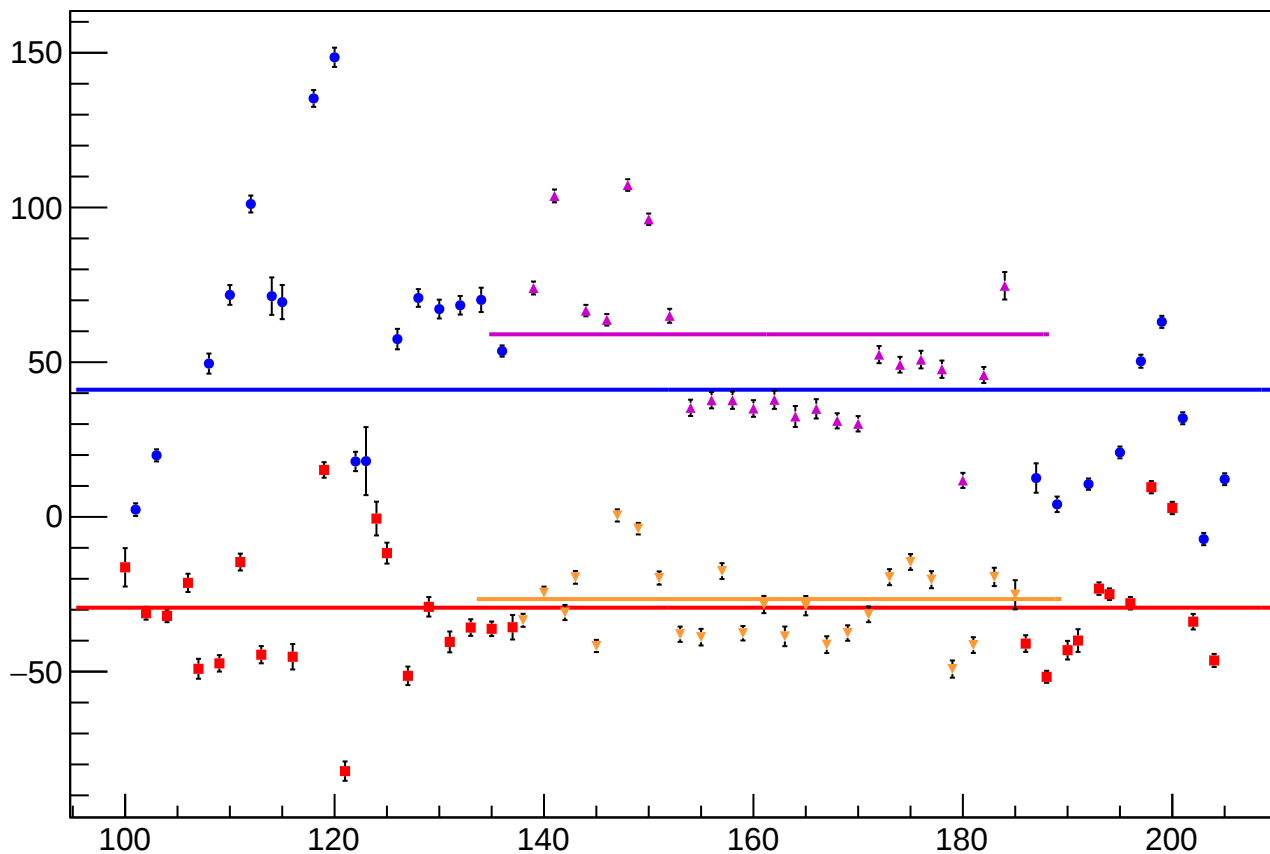
Left In: 1435.645 $\pm$ 0.245 χ^2 /NDF: 420835.0/22

+ sign 1507.975 $\pm$ 0.191 χ^2 /NDF: 764274.6/50

All: 1513.708 $\pm$ 0.136 χ^2 /NDF: 1690556.4/10

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

diff_bpm0i05X_mean vs Slug



Right In: 41.106 $\pm$ 0.494 χ^2 /NDF: 5585.8/25

Left Out: -26.554 $\pm$ 0.488 χ^2 /NDF: 717.5/24

Right Out: -29.342 $\pm$ 0.471 χ^2 /NDF: 1824.3/29

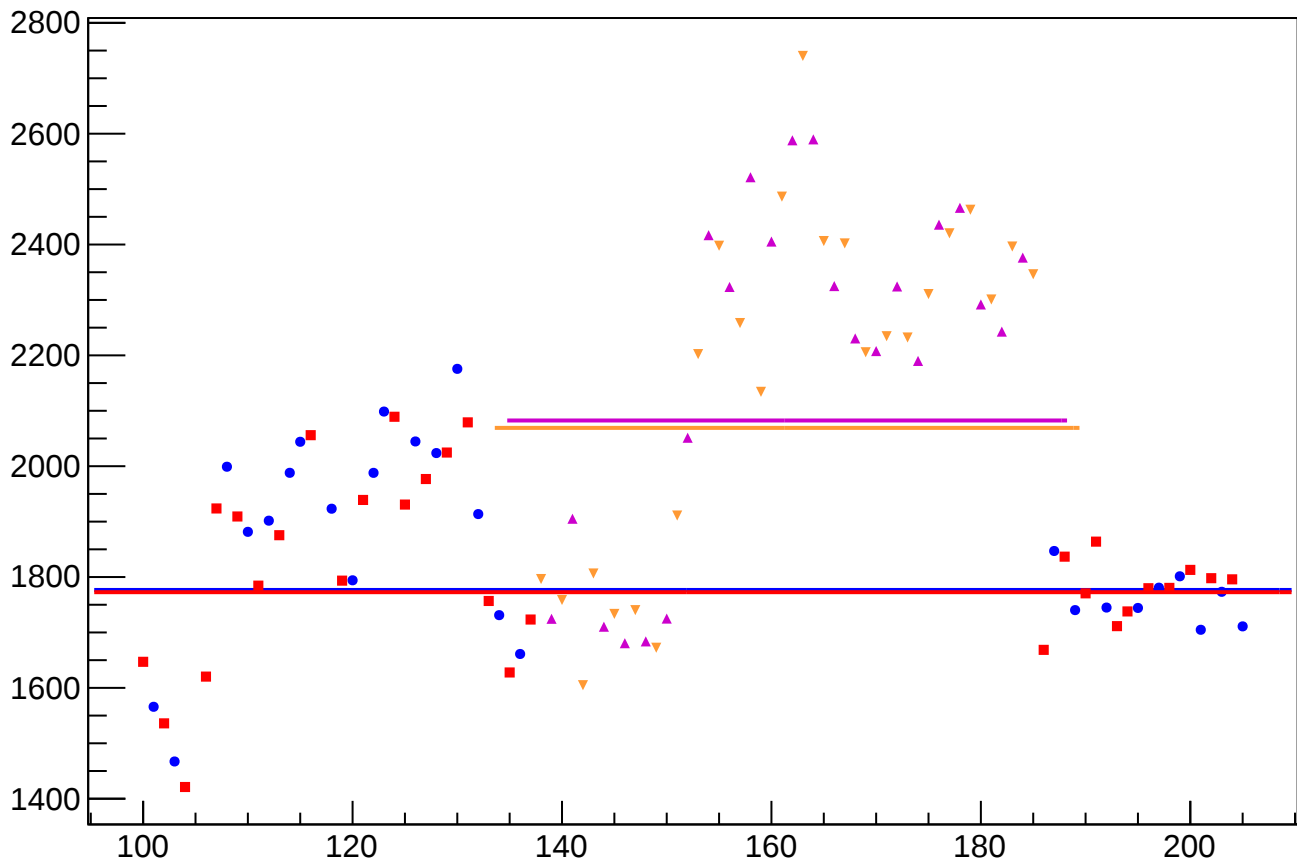
Left In: 59.014 $\pm$ 0.506 χ^2 /NDF: 2783.8/22

+ sign 6.851 $\pm$ 0.347 χ^2 /NDF: 15799.5/50

All: 9.277 $\pm$ 0.245 χ^2 /NDF: 36814.1/103

- sign 11.674 $\pm$ 0.345 χ^2 /NDF: 20917.5/52

diff_bpm0i05X_rms vs Slug



Right In: 1776.681 $\pm$ 0.349 χ^2 /NDF: 193626.1/25

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

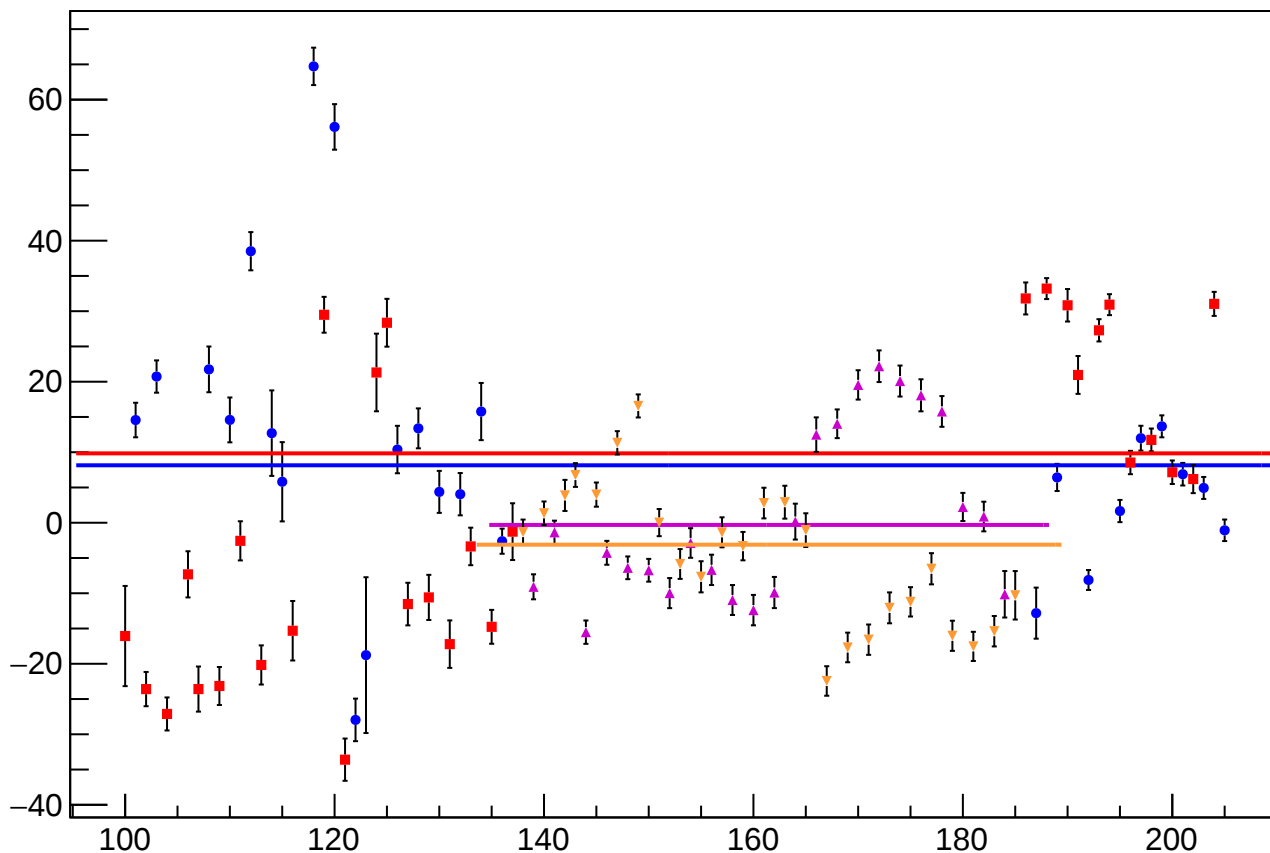
Left In: 2082.497 $\pm$ 0.358 χ^2 /NDF: 785304.0/22

+ sign 1924.752 $\pm$ 0.245 χ^2 /NDF: 1347525.5/50

All: 1920.601 $\pm$ 0.173 χ^2 /NDF: 2722560.1/10

- sign 1916.499 $\pm$ 0.244 χ^2 /NDF: 1374466.0/52

diff_bpm0i05Y_mean vs Slug



Right In: 8.146 ± 0.441 χ^2/NDF : 1299.4/25

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

Right Out: 9.839 ± 0.422 χ^2/NDF : 2434.5/29

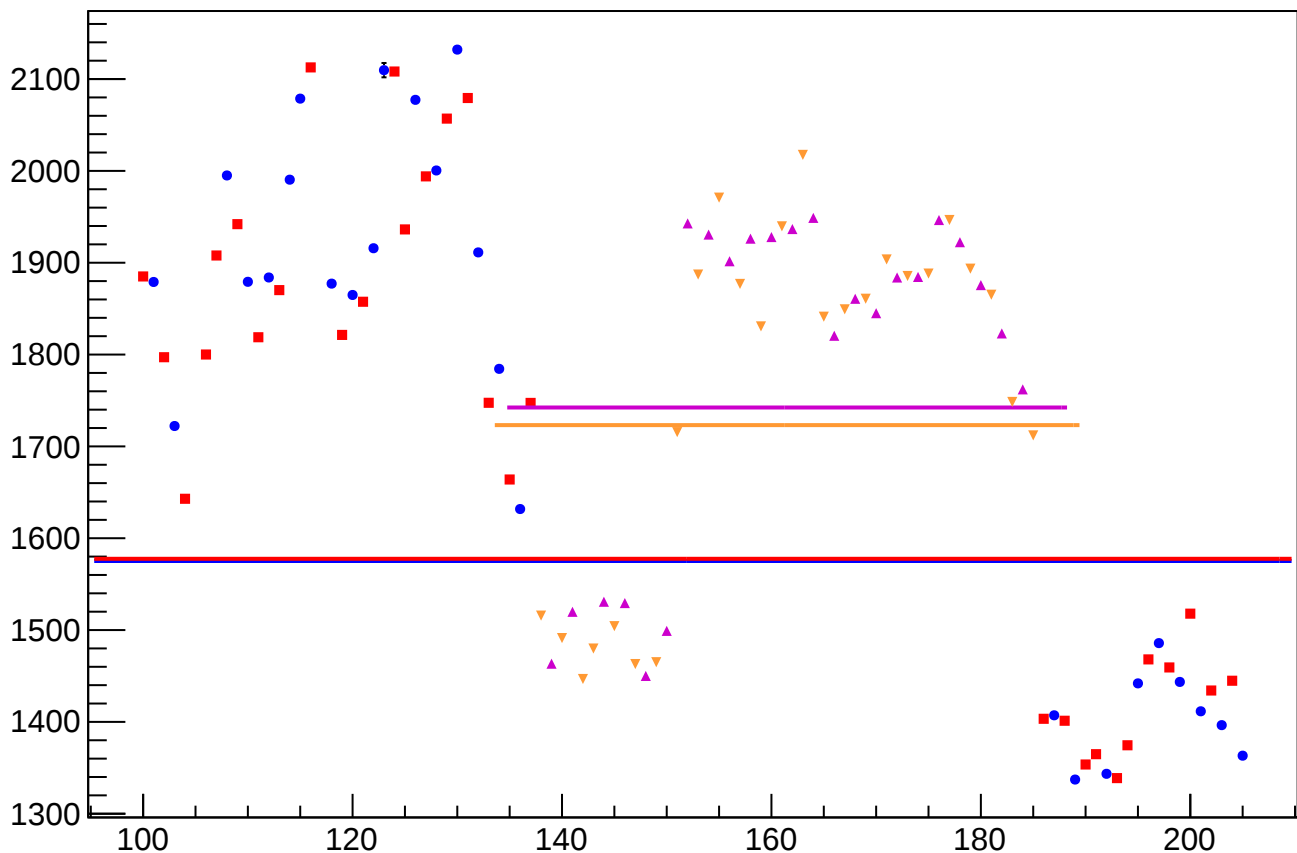
Left In: -0.312 ± 0.421 χ^2/NDF : 736.5/22

+ sign 2.023 ± 0.298 χ^2/NDF : 2296.9/50

All: 3.384 ± 0.211 χ^2/NDF : 5799.2/103

- sign 4.747 ± 0.298 χ^2/NDF : 3460.6/52

diff_bpm0i05Y_rms vs Slug



Right In: 1575.214+/-0.312 χ^2 /NDF: 614578.9/25

Left Out: 1723.168+/-0.286 χ^2 /NDF: 477441.1/24

Right Out: 1577.605+/-0.299 χ^2 /NDF: 575525.7/29

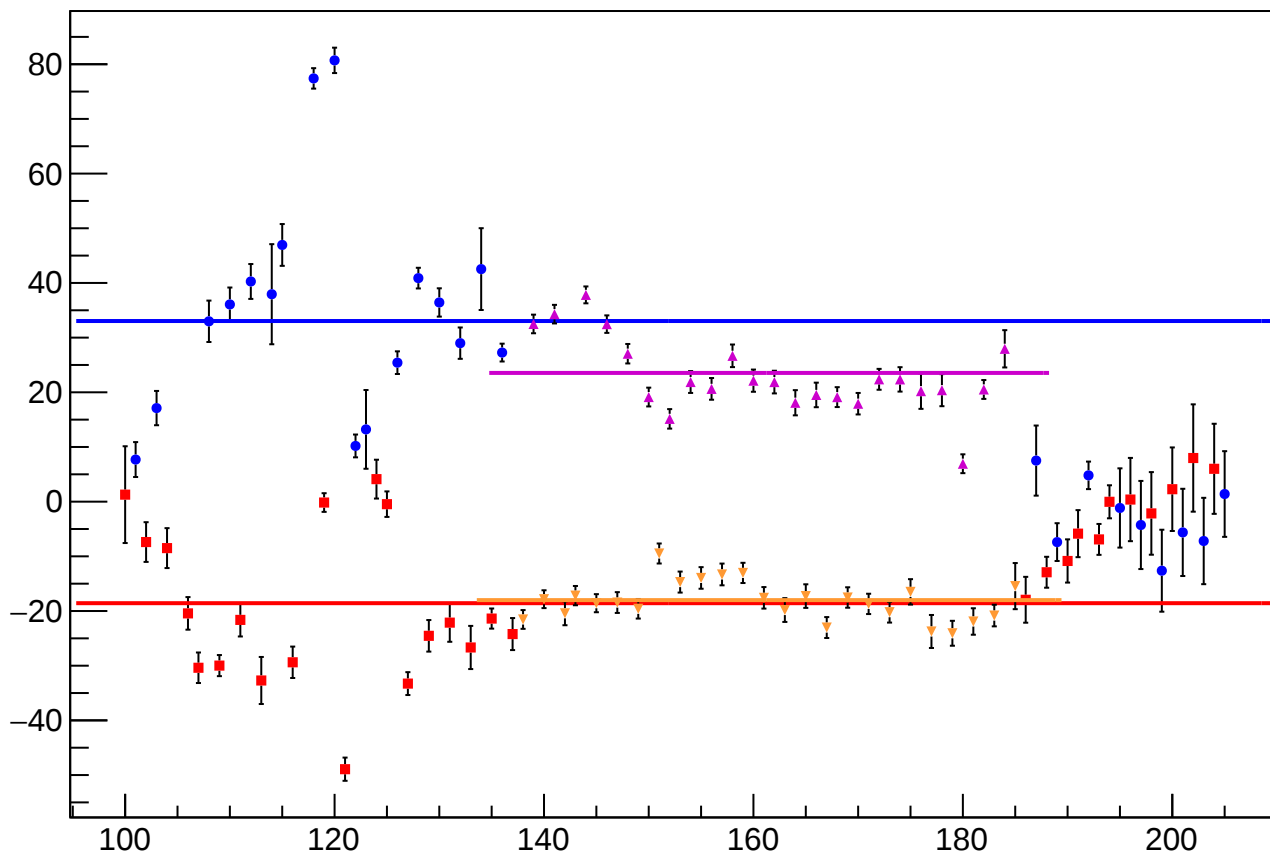
Left In: 1742.354+/-0.298 χ^2 /NDF: 435841.5/22

+ sign 1655.693+/-0.211 χ^2 /NDF: 1214207.3/50

All: 1657.971+/-0.149 χ^2 /NDF: 2378385.1/10

- sign 1660.250+/-0.211 χ^2 /NDF: 1163944.2/52

diff_bpm0i07X_mean vs Slug



Right In: 33.036 ± 0.596 $\chi^2/\text{NDF}: 1694.1/25$

Left Out: -18.007 ± 0.397 $\chi^2/\text{NDF}: 73.8/24$

Right Out: -18.567 ± 0.550 $\chi^2/\text{NDF}: 694.2/29$

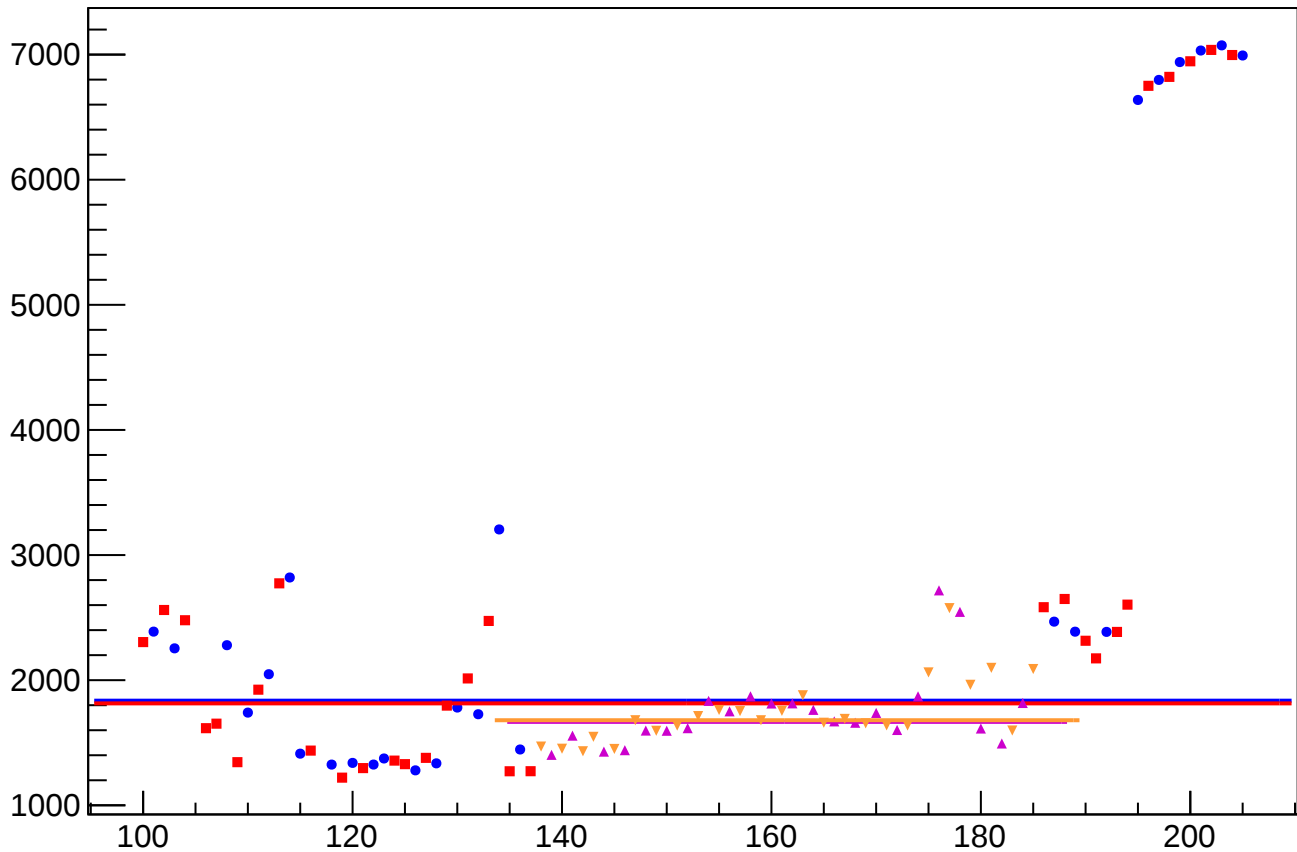
Left In: 23.544 ± 0.406 $\chi^2/\text{NDF}: 346.7/22$

+ sign -2.330 ± 0.330 $\chi^2/\text{NDF}: 6853.1/50$

All: 3.255 ± 0.232 $\chi^2/\text{NDF}: 12254.8/103$

- sign 8.715 ± 0.327 $\chi^2/\text{NDF}: 4836.0/52$

diff_bpm0i07X_rms vs Slug



Right In: 1836.121+/-0.421 χ^2/NDF : 6344843.4/25

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

+ sign 1727.823+/-0.233 χ^2/NDF : 6963011.2/50

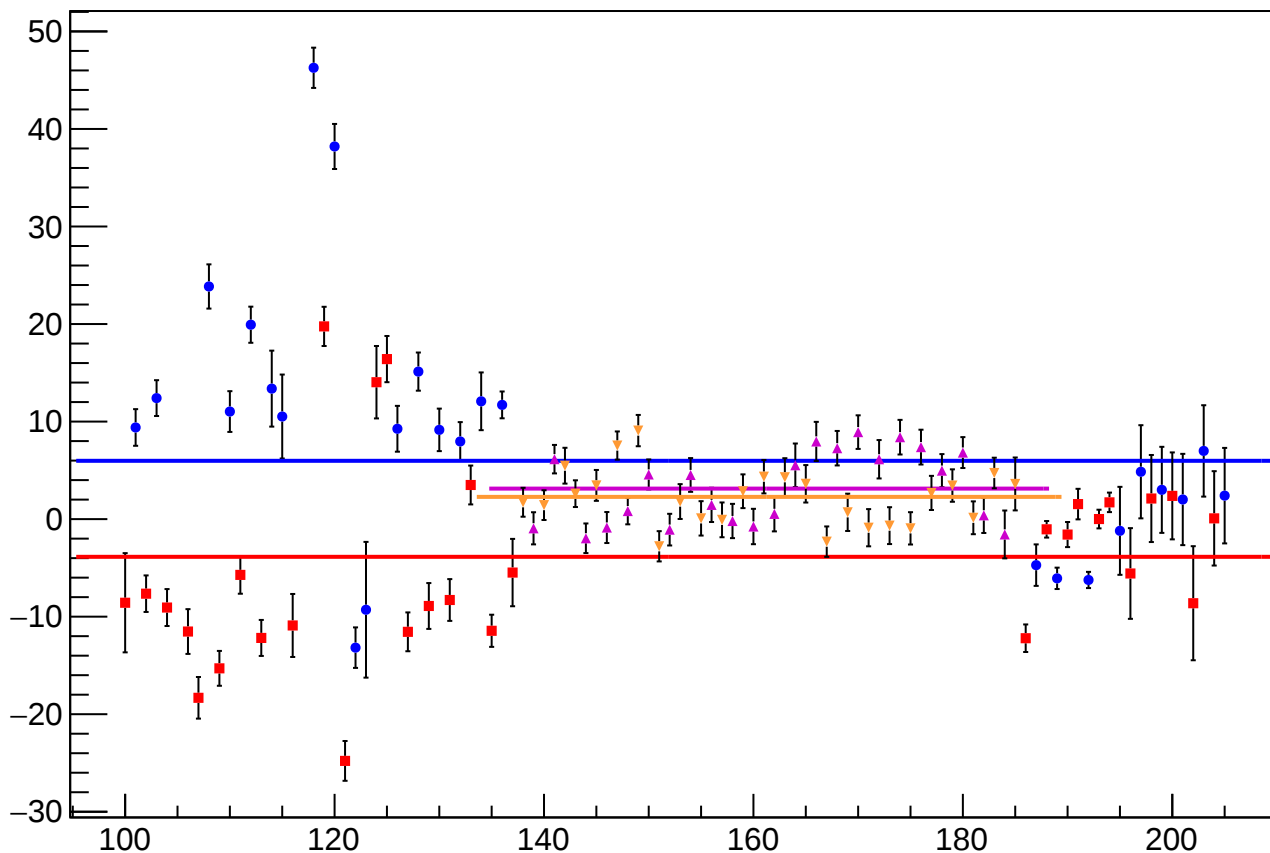
Right Out: 1814.491+/-0.389 χ^2/NDF : 5784184.8/29

All: 1723.271+/-0.164 χ^2/NDF : 13492270.6/100

- sign 1718.821+/-0.231 χ^2/NDF : 6528507.8/52

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

diff_bpm0i07Y_mean vs Slug



Right In: 5.978 ± 0.395 χ^2/NDF : 1226.4/25

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

Right Out: -3.864 ± 0.328 χ^2/NDF : 648.8/29

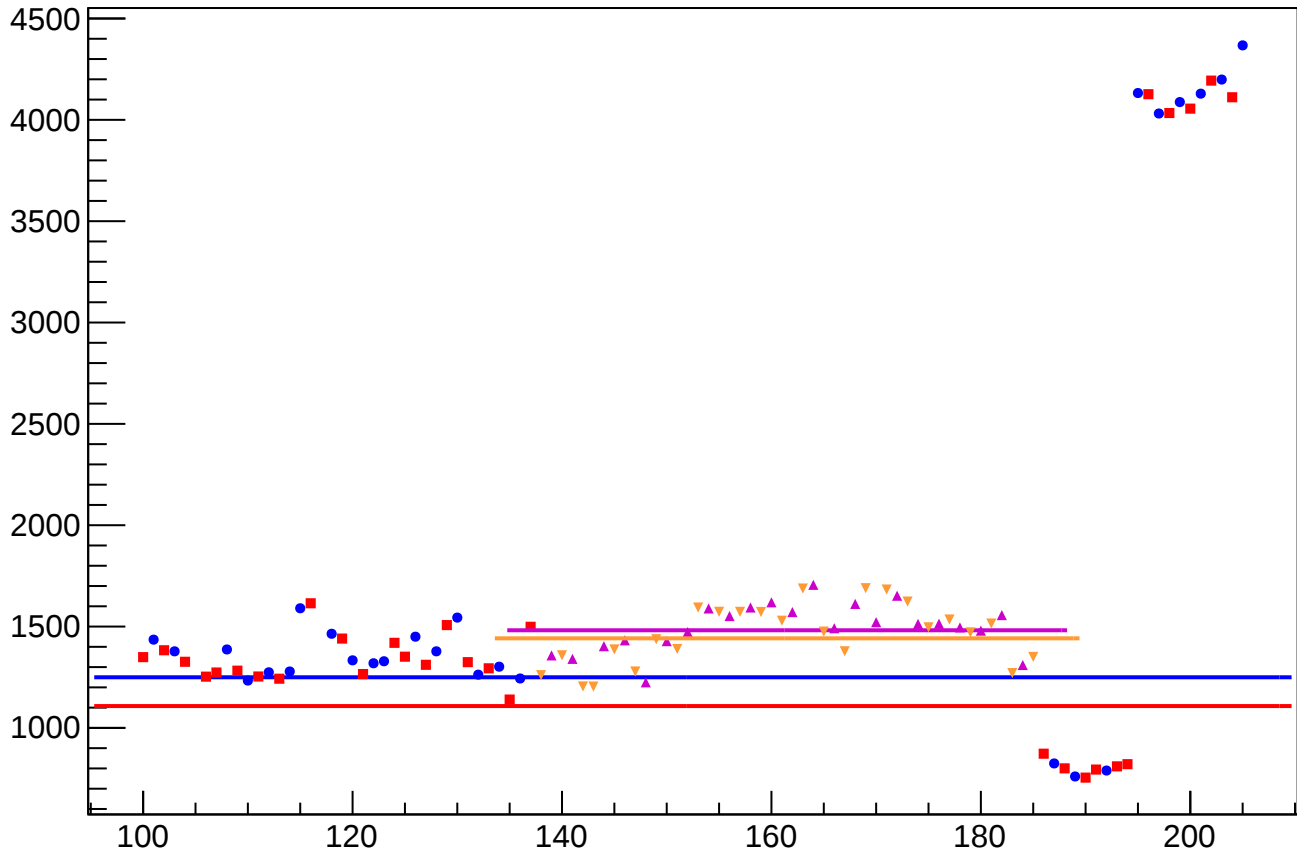
Left In: 3.129 ± 0.358 χ^2/NDF : 103.4/22

+ sign 3.846 ± 0.257 χ^2/NDF : 1352.6/50

All: 1.453 ± 0.176 χ^2/NDF : 2476.2/103

- sign -0.669 ± 0.242 χ^2/NDF : 959.7/52

diff_bpm0i07Y_rms vs Slug



Right In: 1249.734+/-0.279 χ^2/NDF : 5914055.7/25

Left Out: 1441.951+/-0.239 χ^2/NDF : 370617.4/24

Right Out: 1107.757+/-0.232 χ^2/NDF : 5241964.5/29

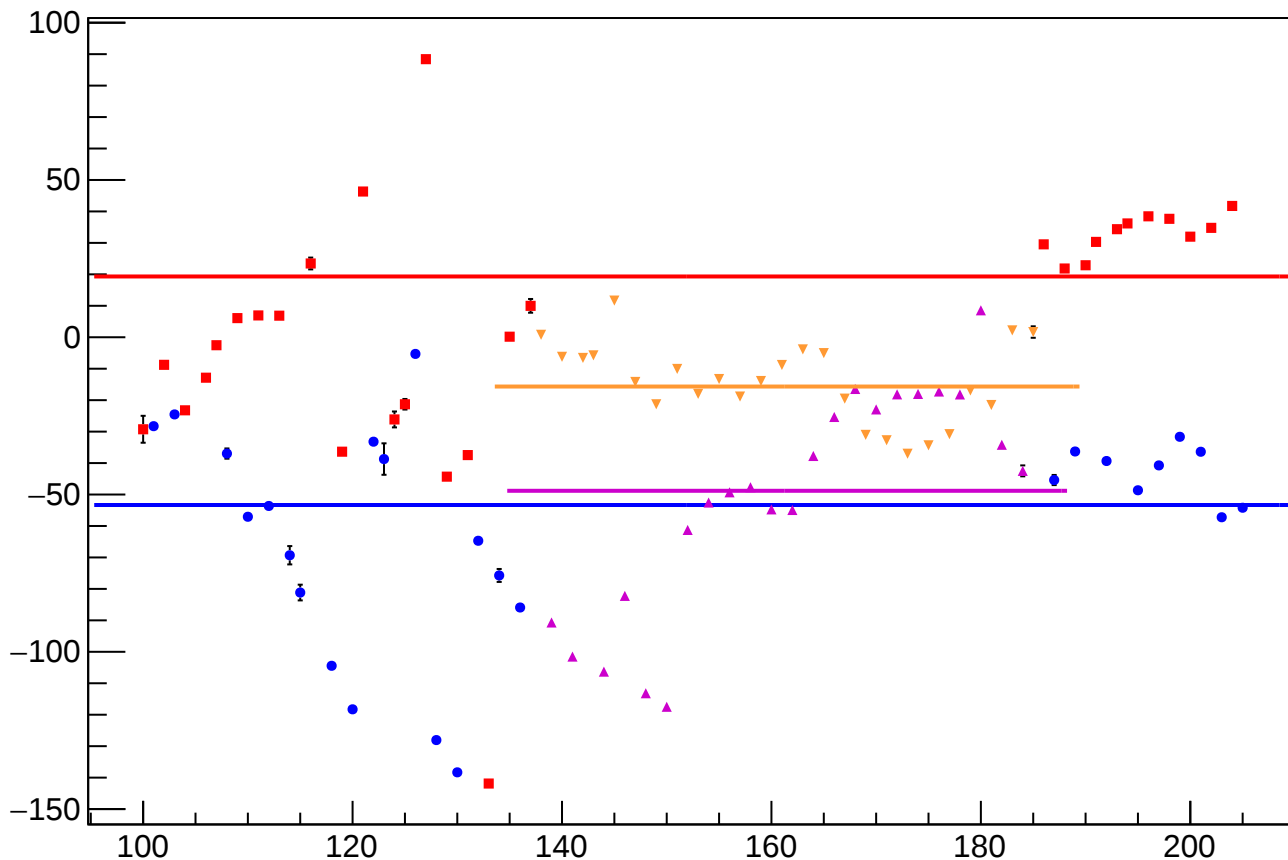
Left In: 1481.695+/-0.253 χ^2/NDF : 208470.6/22

+ sign 1360.541+/-0.182 χ^2/NDF : 6558222.5/50

All: 1317.128+/-0.124 χ^2/NDF : 13303699.7/100

- sign 1278.651+/-0.171 χ^2/NDF : 6637669.5/52

diff_bpm1i02X_mean vs Slug



Right In: -53.330 ± 0.209 $\chi^2/\text{NDF}: 17015.0/25$

Left Out: -15.666 ± 0.212 $\chi^2/\text{NDF}: 3518.1/24$

Right Out: 19.323 ± 0.199 $\chi^2/\text{NDF}: 29314.5/29$

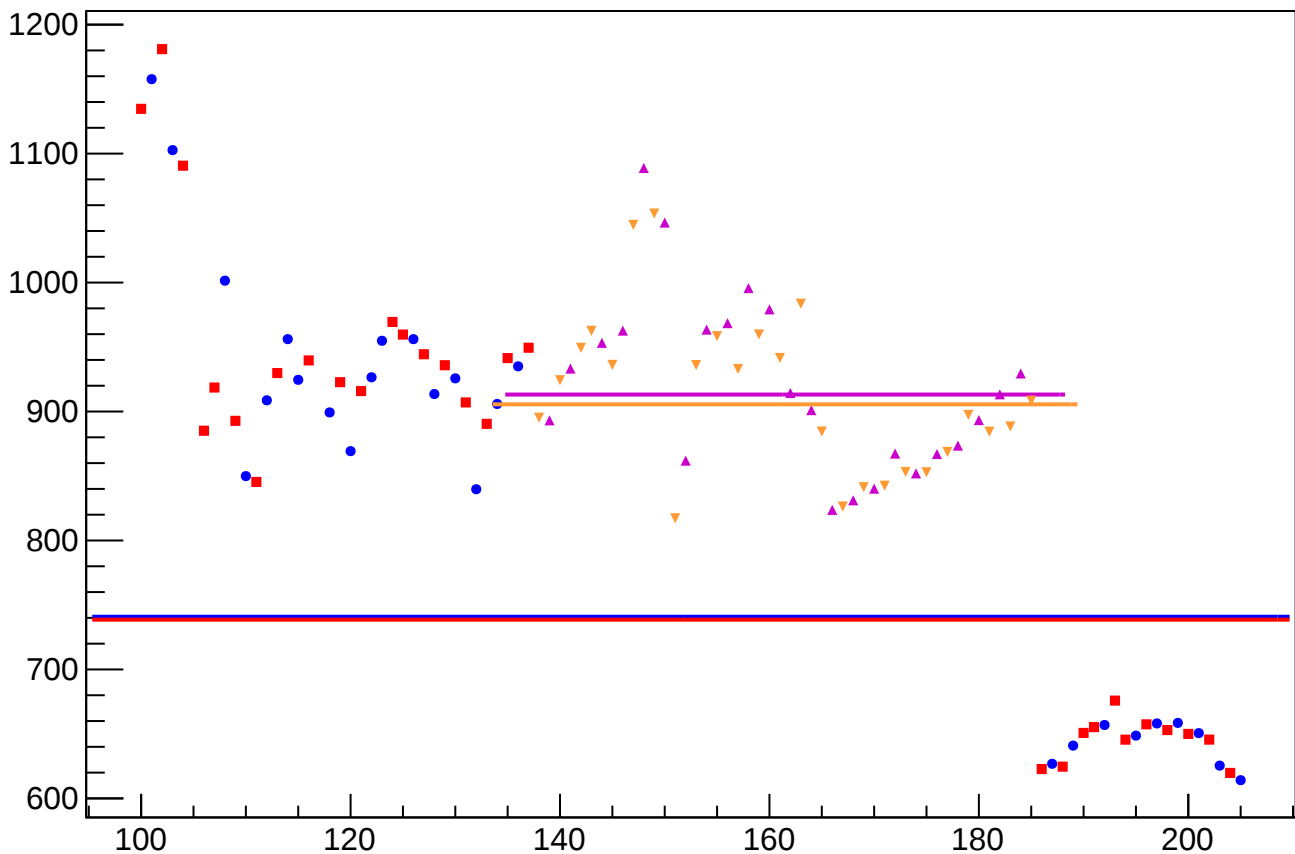
Left In: -48.812 ± 0.220 $\chi^2/\text{NDF}: 25260.8/22$

+ sign -34.719 ± 0.149 $\chi^2/\text{NDF}: 36572.9/50$

All: -22.990 ± 0.105 $\chi^2/\text{NDF}: 156214.3/103$

- sign -11.417 ± 0.148 $\chi^2/\text{NDF}: 107278.7/52$

diff_bpm1i02X_rms vs Slug



Right In: 740.872 $\pm$ 0.148 χ^2 /NDF: 984363.4/25

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

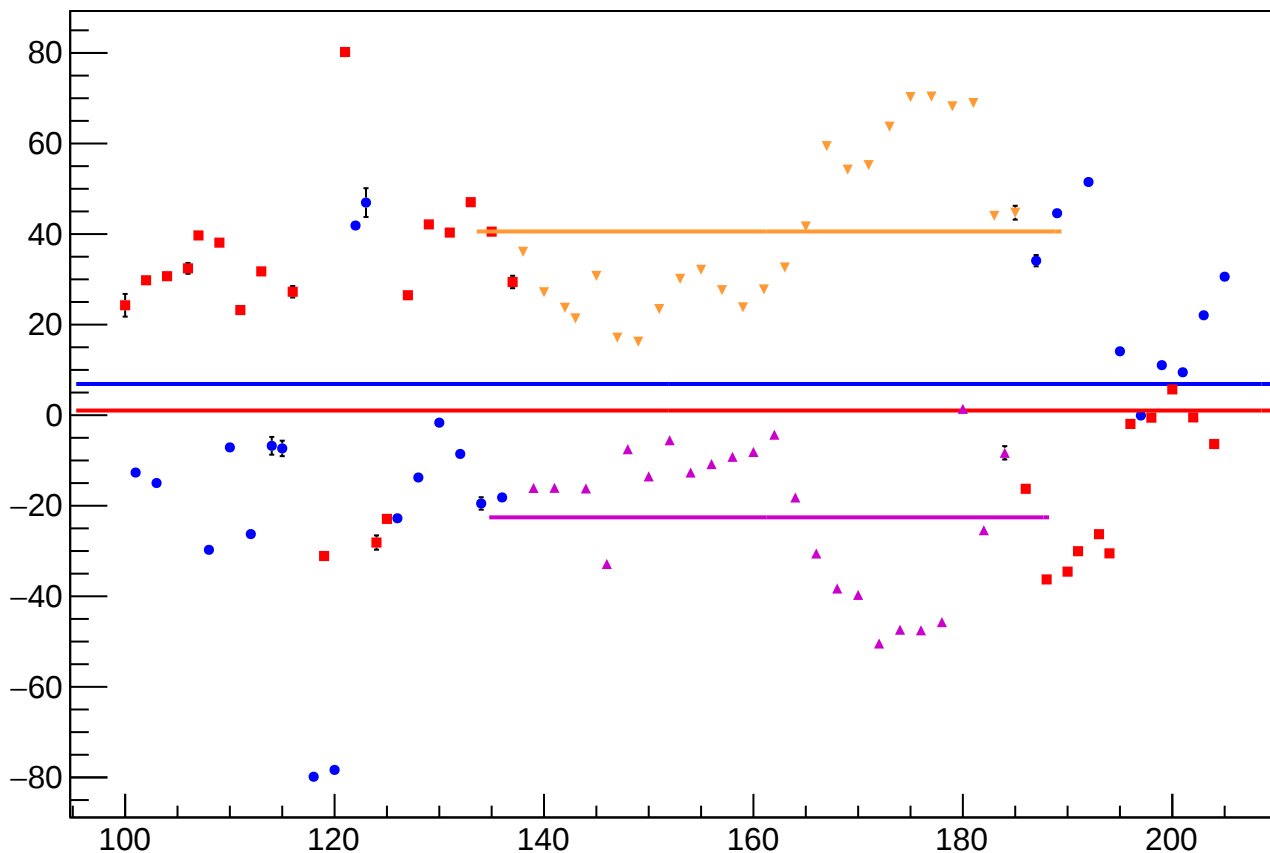
Left In: 913.165 $\pm$ 0.155 χ^2 /NDF: 174438.8/22

+ sign 822.260 $\pm$ 0.105 χ^2 /NDF: 1759924.5/50

All: 819.795 $\pm$ 0.074 χ^2 /NDF: 3676404.9/103

- sign 817.363 $\pm$ 0.104 χ^2 /NDF: 1915388.5/52

diff_bpm1i02Y_mean vs Slug



Right In: 6.892 $\pm$ 0.152 χ^2 /NDF: 38607.8/25

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

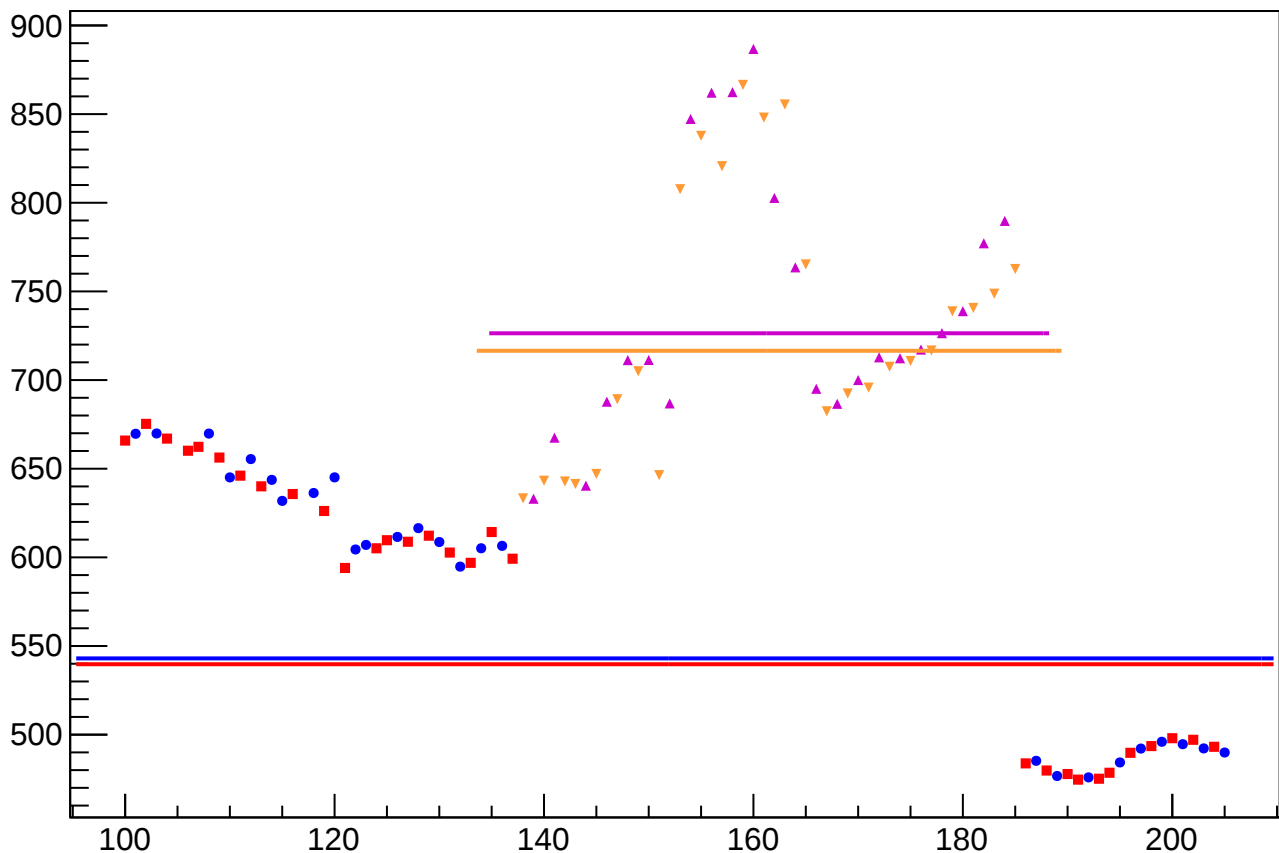
Left In: -22.565 $\pm$ 0.175 χ^2 /NDF: 8167.7/22

+ sign 22.020 $\pm$ 0.112 χ^2 /NDF: 72869.2/50

All: 6.608 $\pm$ 0.079 χ^2 /NDF: 170176.9/103

- sign -8.493 $\pm$ 0.111 χ^2 /NDF: 60141.4/52

diff_bpm1i02Y_rms vs Slug



Right In: 543.009 $\pm$ 0.107 χ^2 /NDF: 443600.4/25

Left Out: 716.515 $\pm$ 0.119 χ^2 /NDF:342740.2/24

Right Out: 539.716 $\pm$ 0.102 χ^2 /NDF: 491460.9/29

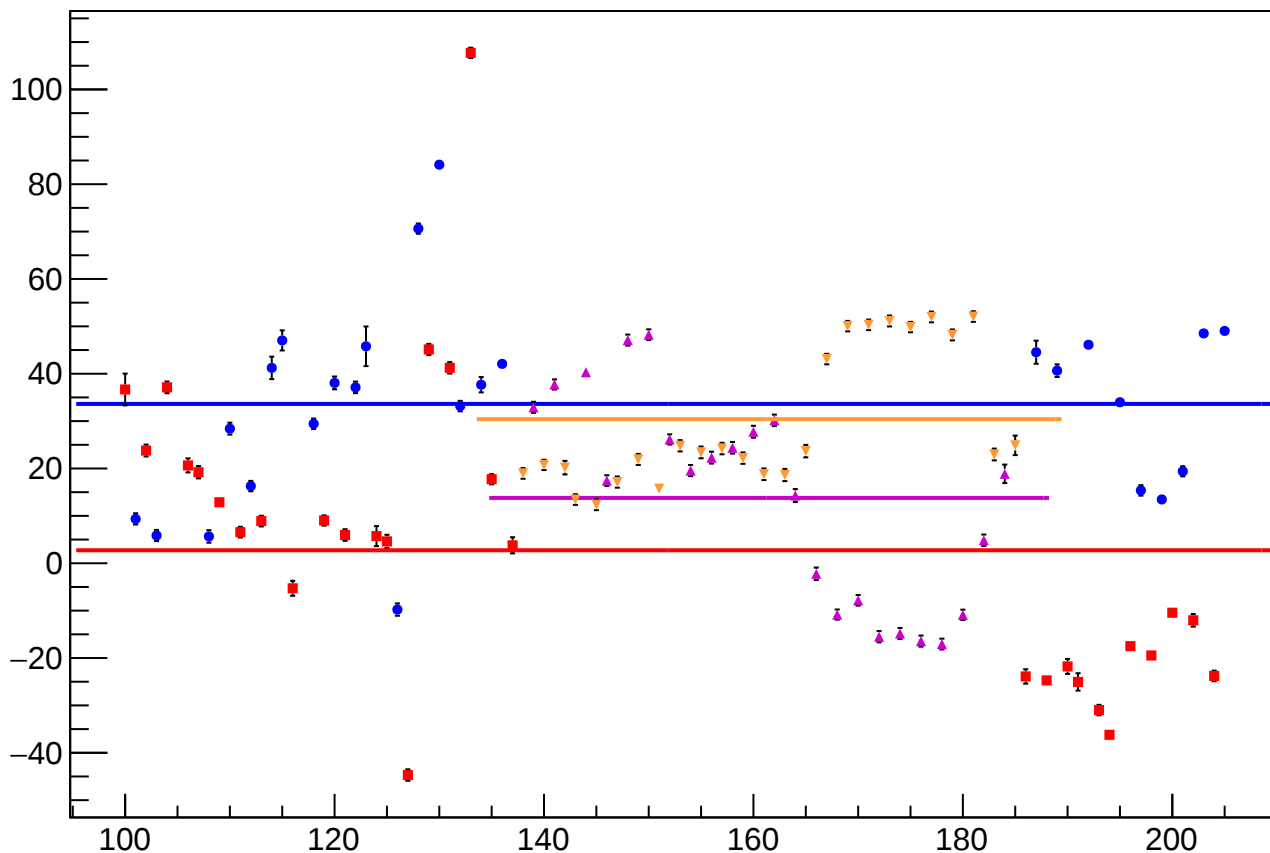
Left In: 726.390 $\pm$ 0.124 χ^2 /NDF:289788.8/22

+ sign 620.942 $\pm$ 0.080 χ^2 /NDF: 1963660.9/50

All: 617.965 $\pm$ 0.056 χ^2 /NDF: 4100701.5/103

- sign 615.047 $\pm$ 0.079 χ^2 /NDF: 2134266.3/52

diff_bpm1i04X_mean vs Slug



Right In: 33.631 $\pm$ 0.234 χ^2 /NDF: 7895.0/25

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

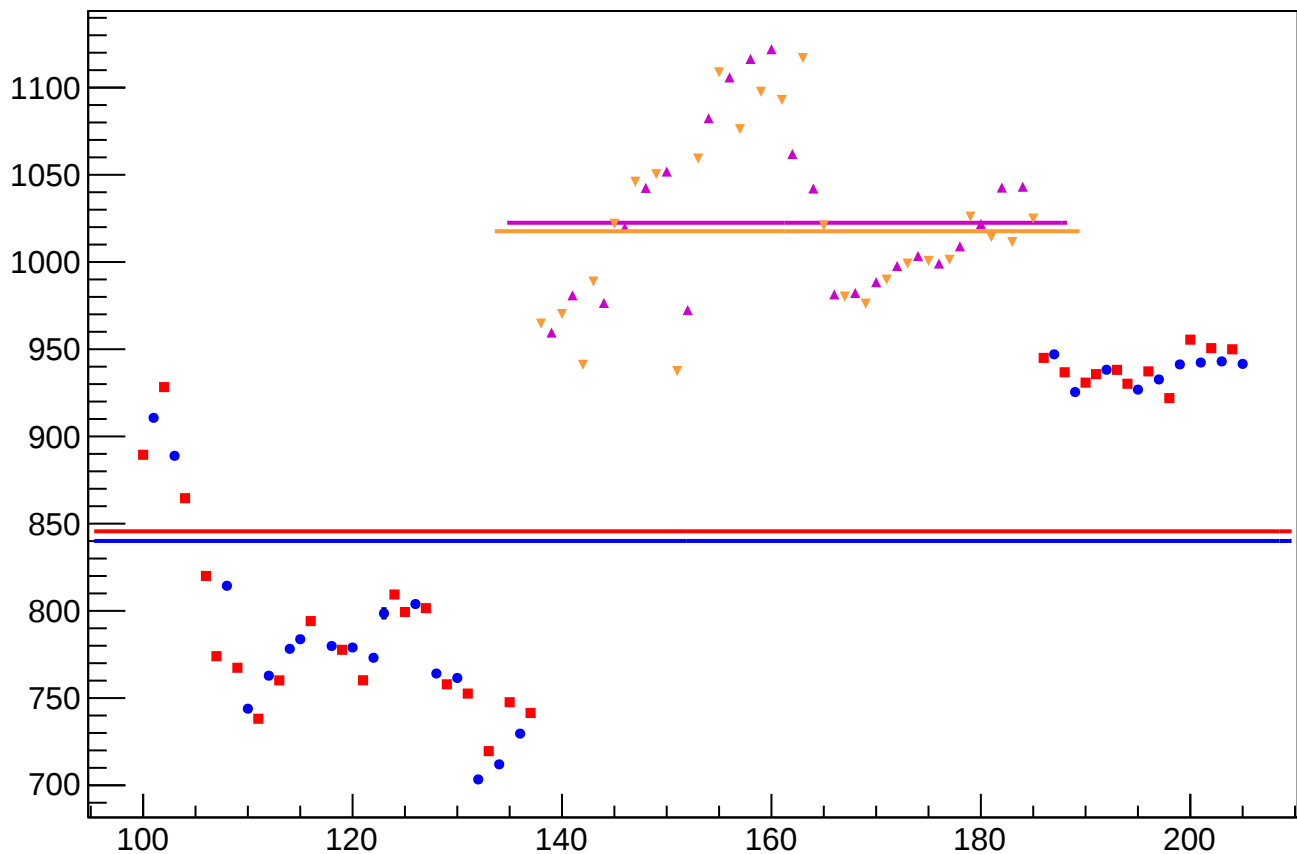
Left In: 13.787 $\pm$ 0.246 χ^2 /NDF: 7979.7/22

+ sign 32.044 $\pm$ 0.167 χ^2 /NDF: 11796.6/50

All: 19.872 $\pm$ 0.118 χ^2 /NDF: 52043.5/103

- sign 7.782 $\pm$ 0.166 χ^2 /NDF: 29606.6/52

diff_bpm1i04X_rms vs Slug



Right In: 840.072 $\pm$ 0.165 χ^2 /NDF: 292593.7/25

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

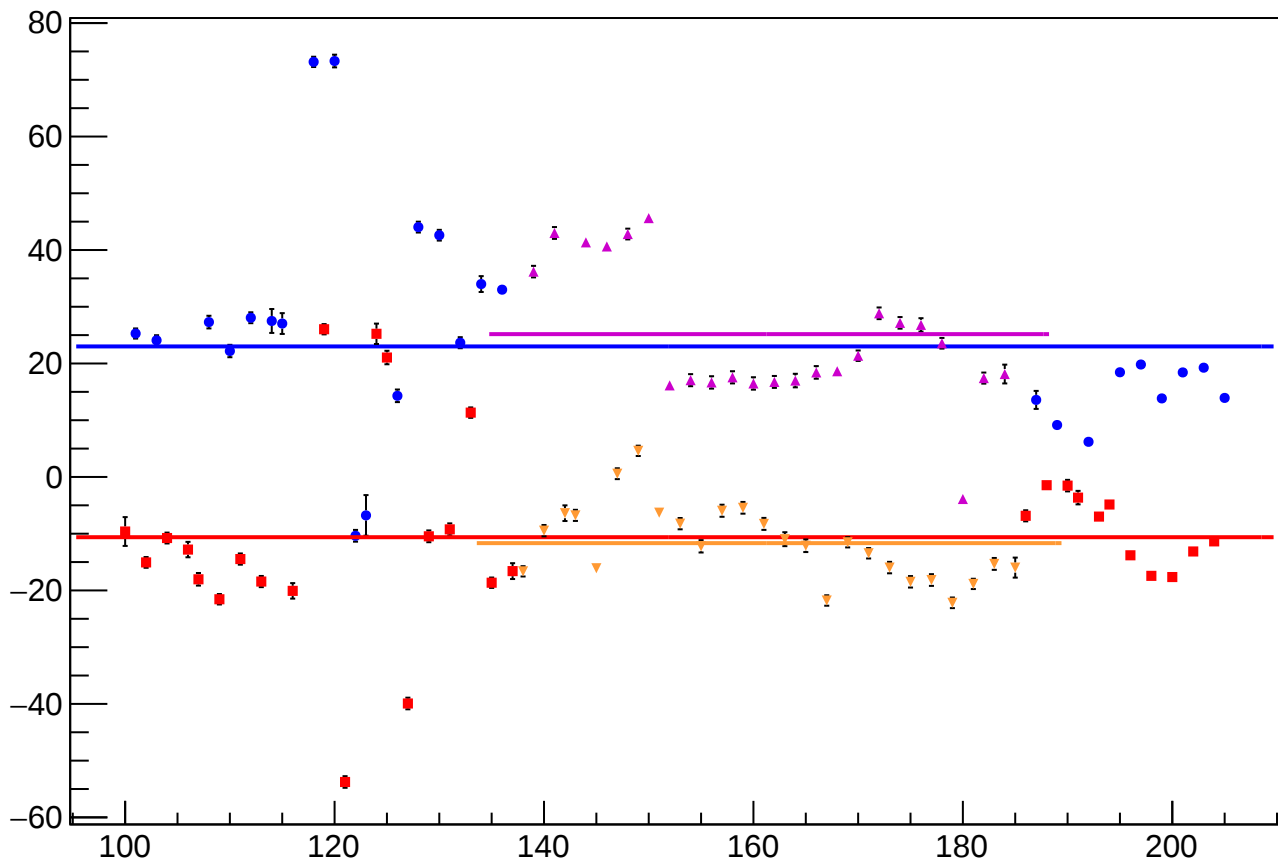
Left In: 1022.511 $\pm$ 0.174 χ^2 /NDF: 69635.5/22

+ sign 927.520 $\pm$ 0.118 χ^2 /NDF: 944212.3/50

All: 926.907 $\pm$ 0.083 χ^2 /NDF: 1874575.0/103

- sign 926.299 $\pm$ 0.117 χ^2 /NDF: 930308.8/52

diff_bpm1i04Y_mean vs Slug



Right In: 23.007 ± 0.171 χ^2/NDF : 9098.8/25

Left Out: -11.664 ± 0.200 χ^2/NDF : 1147.4/24

Right Out: -10.618 ± 0.167 χ^2/NDF : 7015.9/29

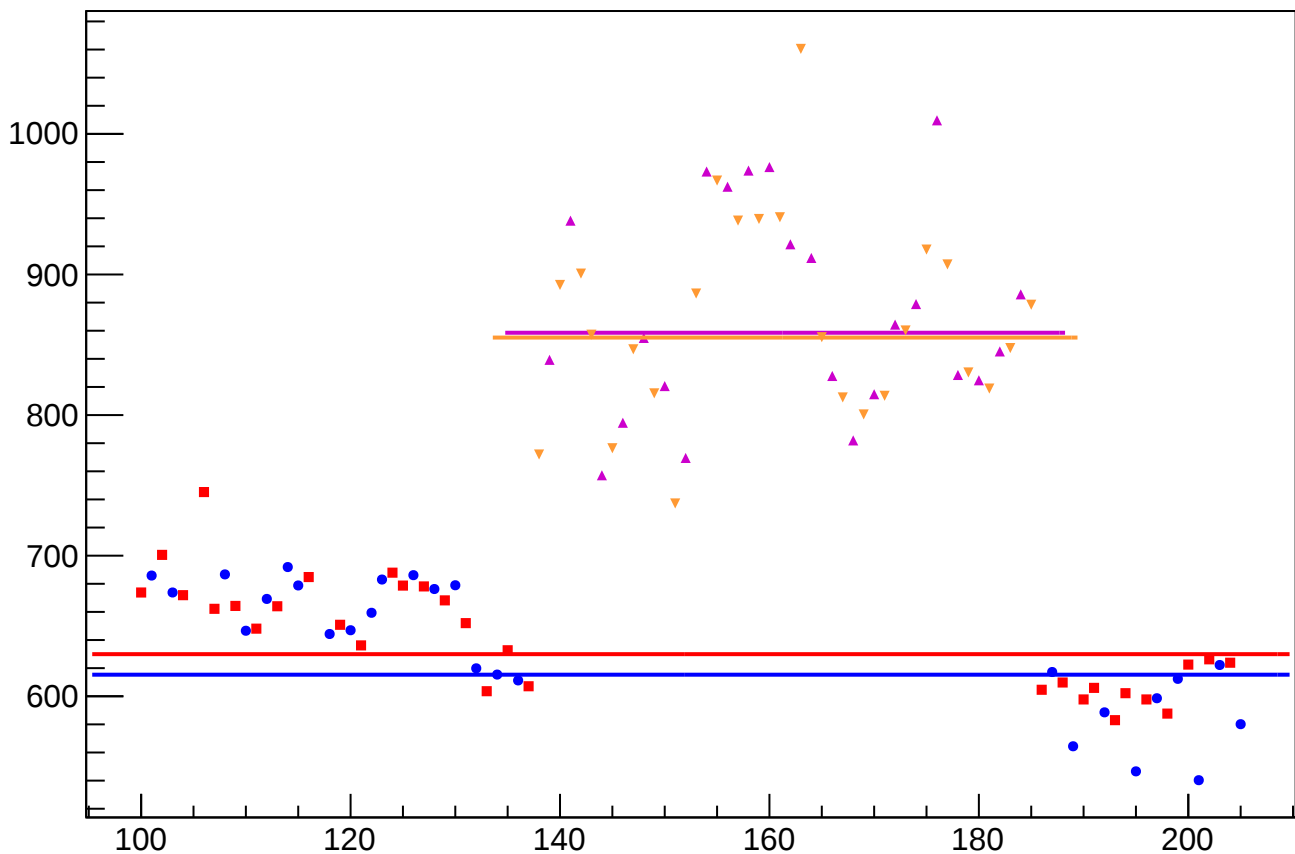
Left In: 25.174 ± 0.207 χ^2/NDF : 3747.1/22

+ sign 8.362 ± 0.130 χ^2/NDF : 27555.1/50

All: 5.925 ± 0.092 χ^2/NDF : 57068.7/103

- sign 3.487 ± 0.130 χ^2/NDF : 28812.4/52

diff_bpm1i04Y_rms vs Slug



Right In: 615.342 ± 0.121 χ^2/NDF : 149132.1/25

Left Out: 855.131 ± 0.142 χ^2/NDF : 233746.7/24

Right Out: 629.949 ± 0.118 χ^2/NDF : 89820.2/29

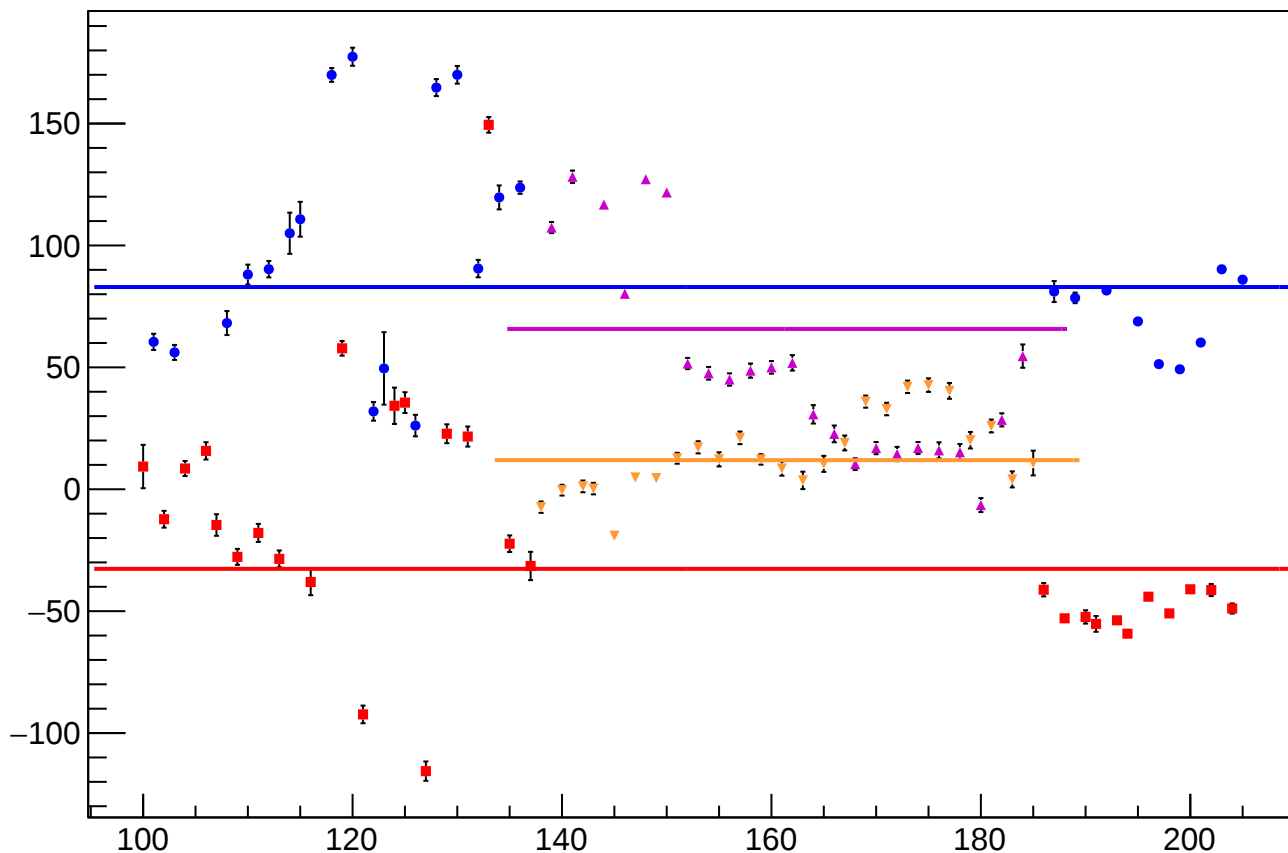
Left In: 858.563 ± 0.147 χ^2/NDF : 239019.8/22

+ sign 716.626 ± 0.092 χ^2/NDF : 2038787.7/50

All: 718.336 ± 0.065 χ^2/NDF : 3841056.2/103

- sign 720.047 ± 0.092 χ^2/NDF : 1801577.8/52

diff_bpm1i06X_mean vs Slug



Right In: 82.949 ± 0.528 χ^2/NDF : 4389.1/25

Left Out: 11.938 ± 0.505 χ^2/NDF : 976.6/24

Right Out: -32.634 ± 0.511 χ^2/NDF : 6826.2/29

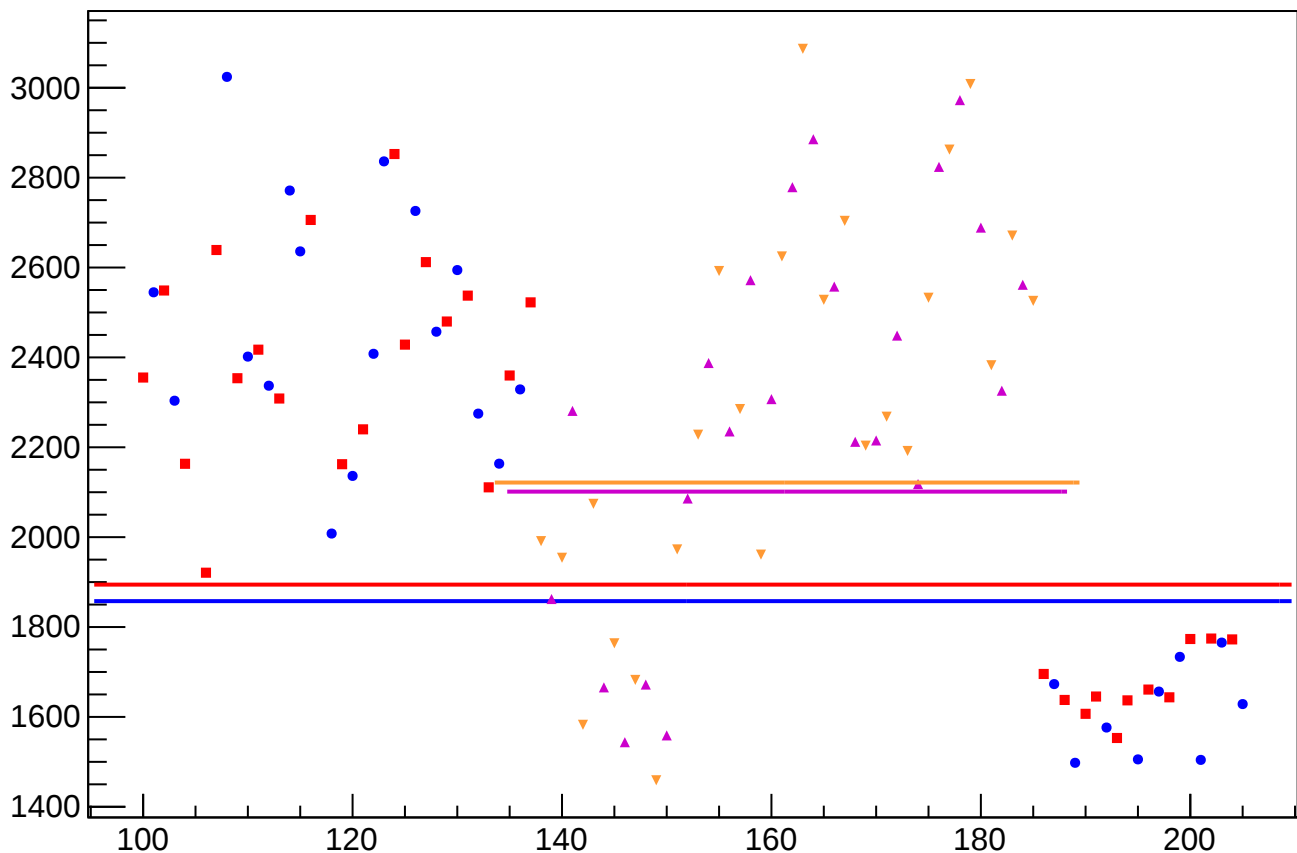
Left In: 65.752 ± 0.518 χ^2/NDF : 7335.8/22

+ sign 45.886 ± 0.365 χ^2/NDF : 14806.5/50

All: 30.871 ± 0.258 χ^2/NDF : 50620.5/103

- sign 15.958 ± 0.364 χ^2/NDF : 32442.2/52

diff_bpm1i06X_rms vs Slug



Right In: 1857.642 $\pm$ 0.373 χ^2 /NDF: 1105561.1/25

Left Out: 2121.567 $\pm$ 0.357 χ^2 /NDF:1387847.6/24

Right Out: 1894.392 $\pm$ 0.362 χ^2 /NDF: 917306.6/29

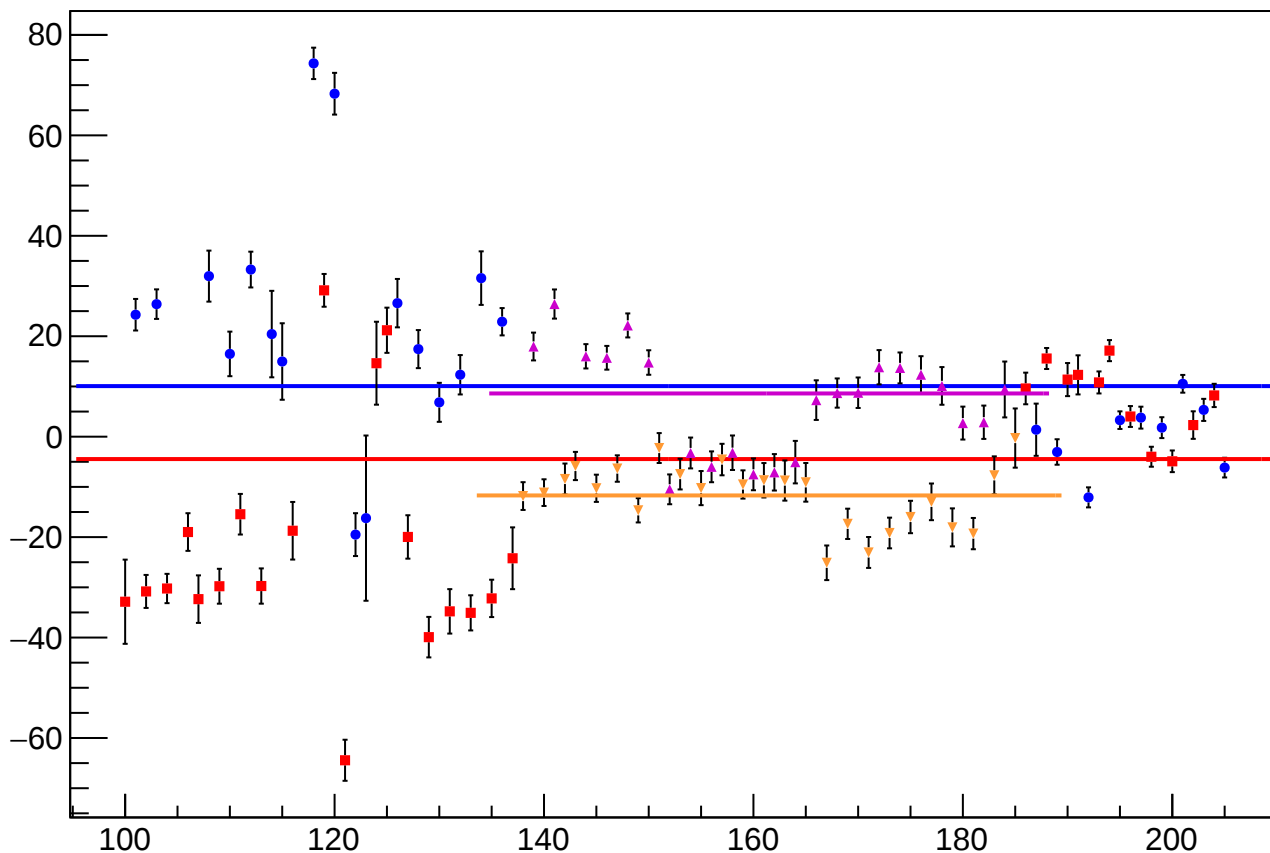
Left In: 2101.325 $\pm$ 0.366 χ^2 /NDF:1360518.3/22

+ sign 1995.392 $\pm$ 0.258 χ^2 /NDF: 2754236.0/50

All: 1995.996 $\pm$ 0.182 χ^2 /NDF: 5193806.0/10

- sign 1996.596 $\pm$ 0.257 χ^2 /NDF: 2439559.1/52

diff_bpm1i06Y_mean vs Slug



Right In: 10.071 ± 0.573 $\chi^2/\text{NDF}: 1105.9/25$

Left Out: -11.700 ± 0.625 $\chi^2/\text{NDF}: 85.0/24$

Right Out: -4.458 ± 0.568 $\chi^2/\text{NDF}: 1321.2/29$

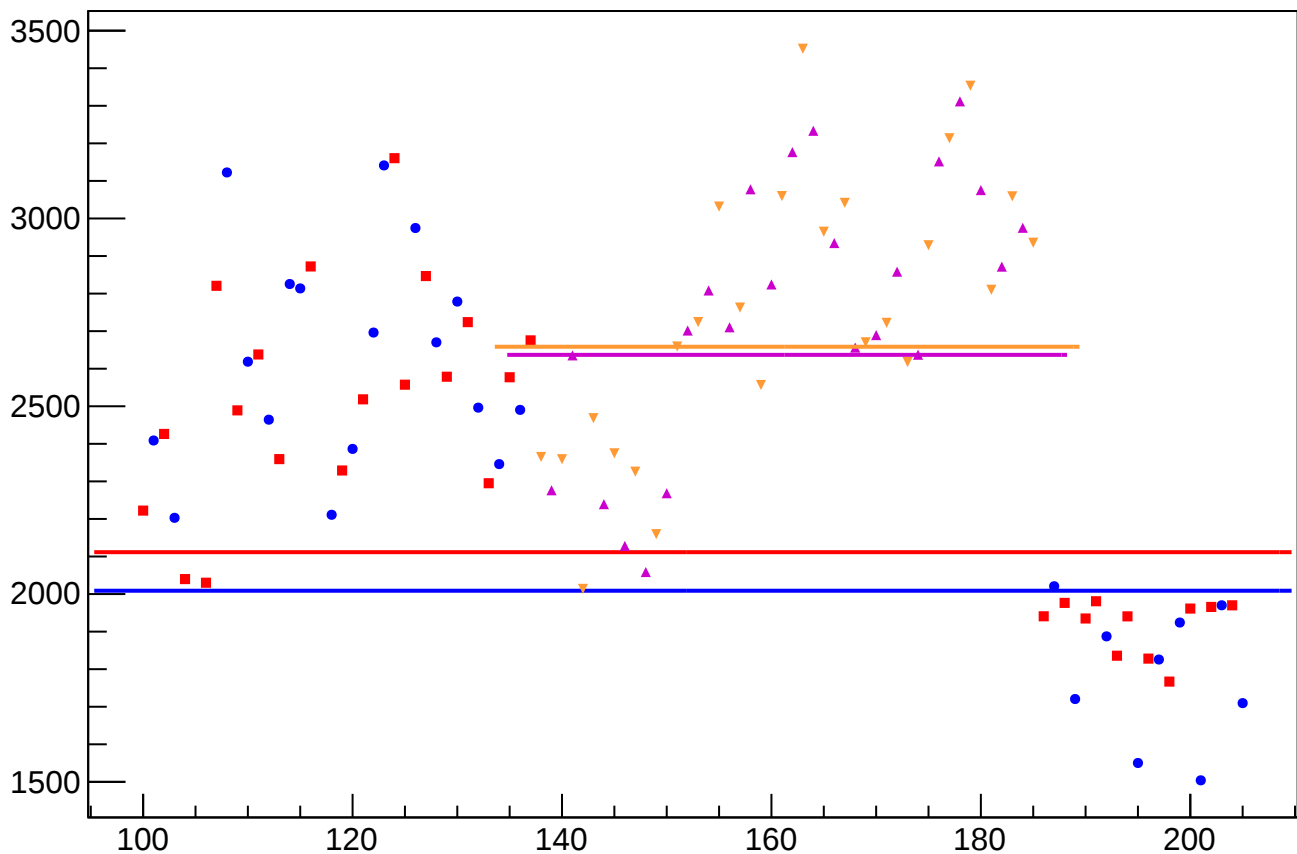
Left In: 8.606 ± 0.642 $\chi^2/\text{NDF}: 264.2/22$

+ sign 0.139 ± 0.422 $\chi^2/\text{NDF}: 1849.8/50$

All: 0.704 ± 0.300 $\chi^2/\text{NDF}: 3671.2/103$

- sign 1.277 ± 0.425 $\chi^2/\text{NDF}: 1817.8/52$

diff_bpm1i06Y_rms vs Slug



Right In: 2008.880 $\pm$ 0.405 χ^2 /NDF: 1053594.9/25

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

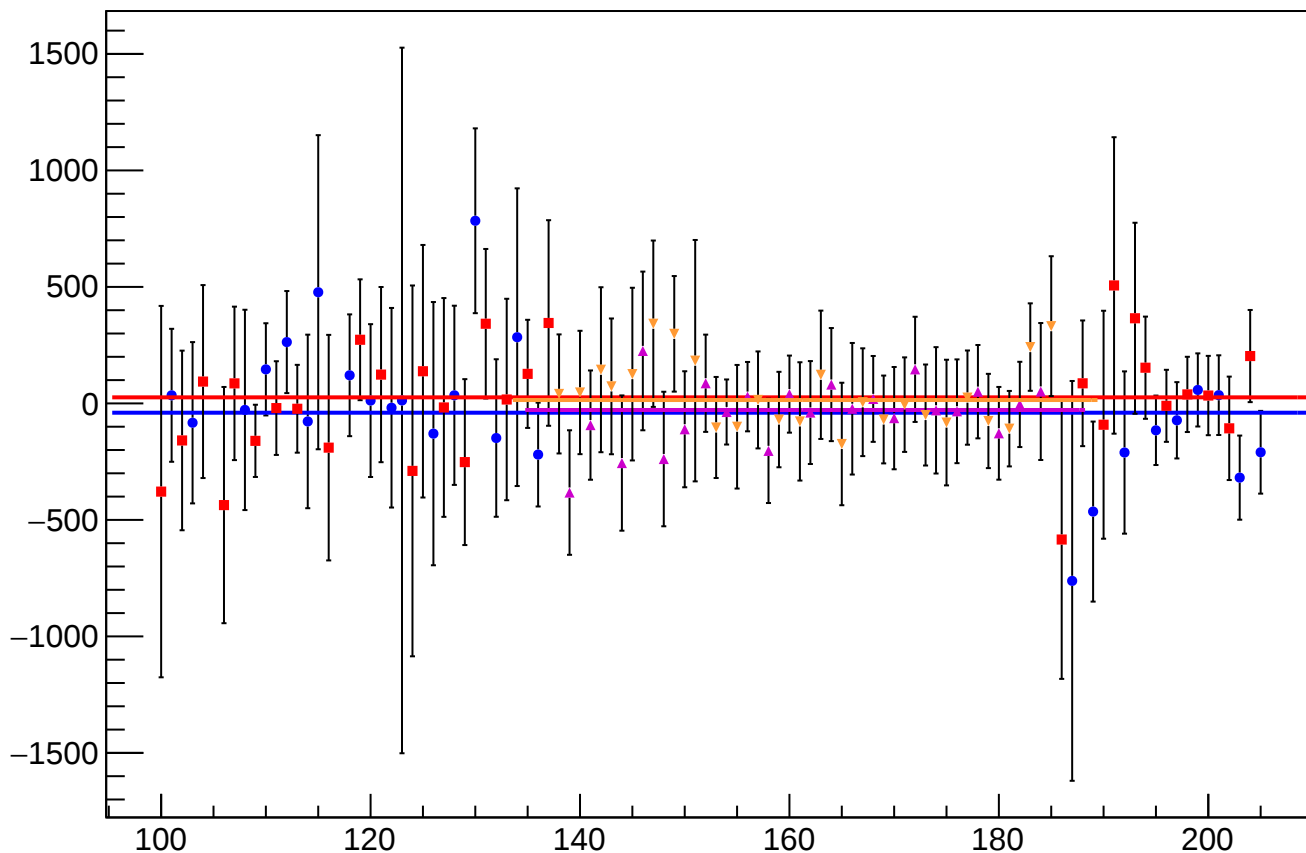
Left In: 2636.885 $\pm$ 0.454 χ^2 /NDF: 652894.5/22

+ sign 2305.241 $\pm$ 0.299 χ^2 /NDF: 2844949.0/50

All: 2323.569 $\pm$ 0.212 χ^2 /NDF: 4869836.8/10

- 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: -39.939 ± 50.312 χ^2/NDF : 15.6/25

Left Out: 14.520 ± 47.528 χ^2/NDF : 7.8/24

Right Out: 25.986 ± 49.111 χ^2/NDF : 10.6/29

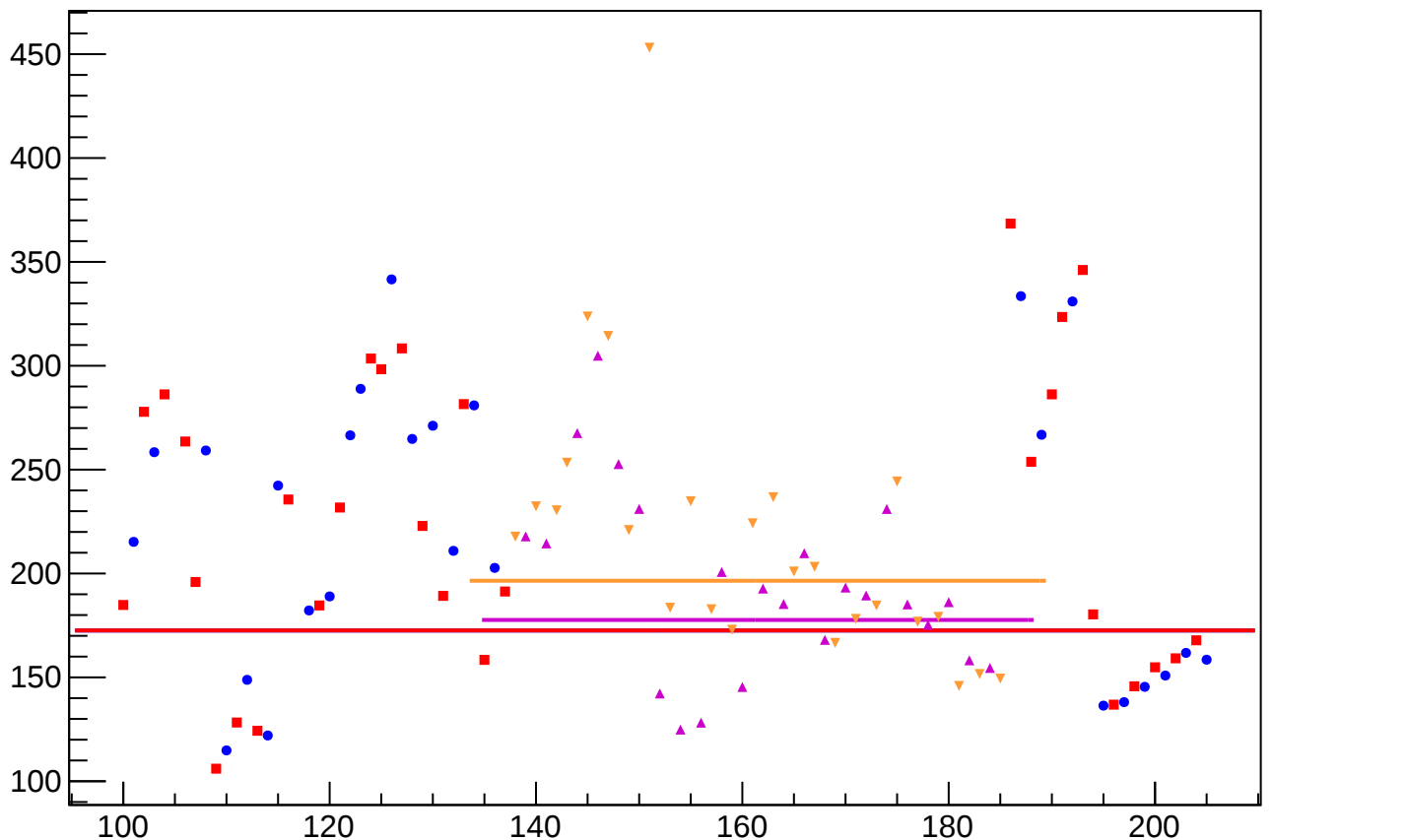
Left In: -28.310 ± 44.638 χ^2/NDF : 6.3/22

+ sign -11.162 ± 34.550 χ^2/NDF : 24.0/50

All: -7.287 ± 23.876 χ^2/NDF : 41.6/103

- 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: 172.554 $\pm$ 0.036 χ^2 /NDF: 2075149.4/25

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

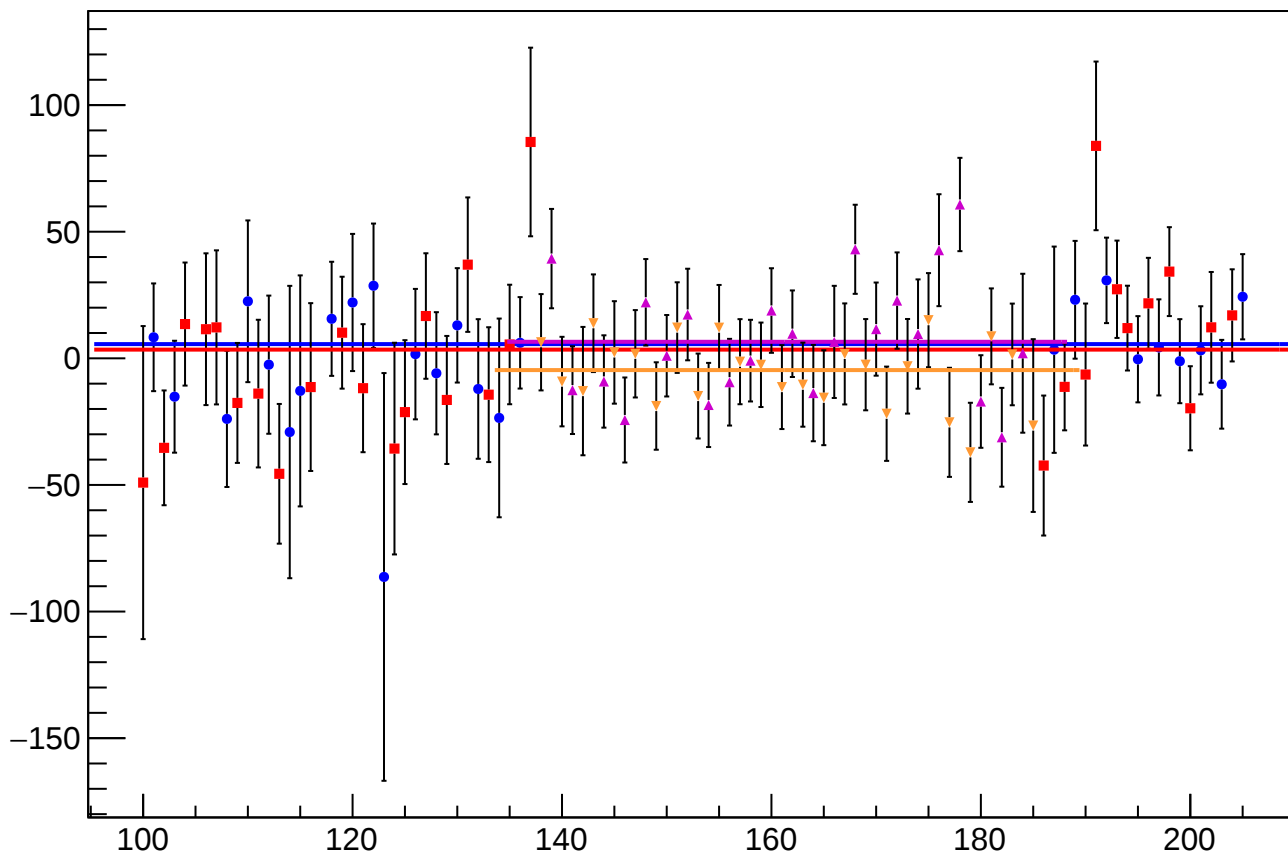
Left In: 177.643 $\pm$ 0.032 χ^2 /NDF: 1630664.5/22

+ sign 185.215 $\pm$ 0.024 χ^2 /NDF: 4104336.3/50

All: 180.065 $\pm$ 0.017 χ^2 /NDF: 8572672.5/103

- 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: 5.615 ± 4.471 $\chi^2/\text{NDF}: 12.2/25$

Left Out: -4.646 ± 3.728 $\chi^2/\text{NDF}: 12.1/24$

Right Out: 3.436 ± 4.324 $\chi^2/\text{NDF}: 36.4/29$

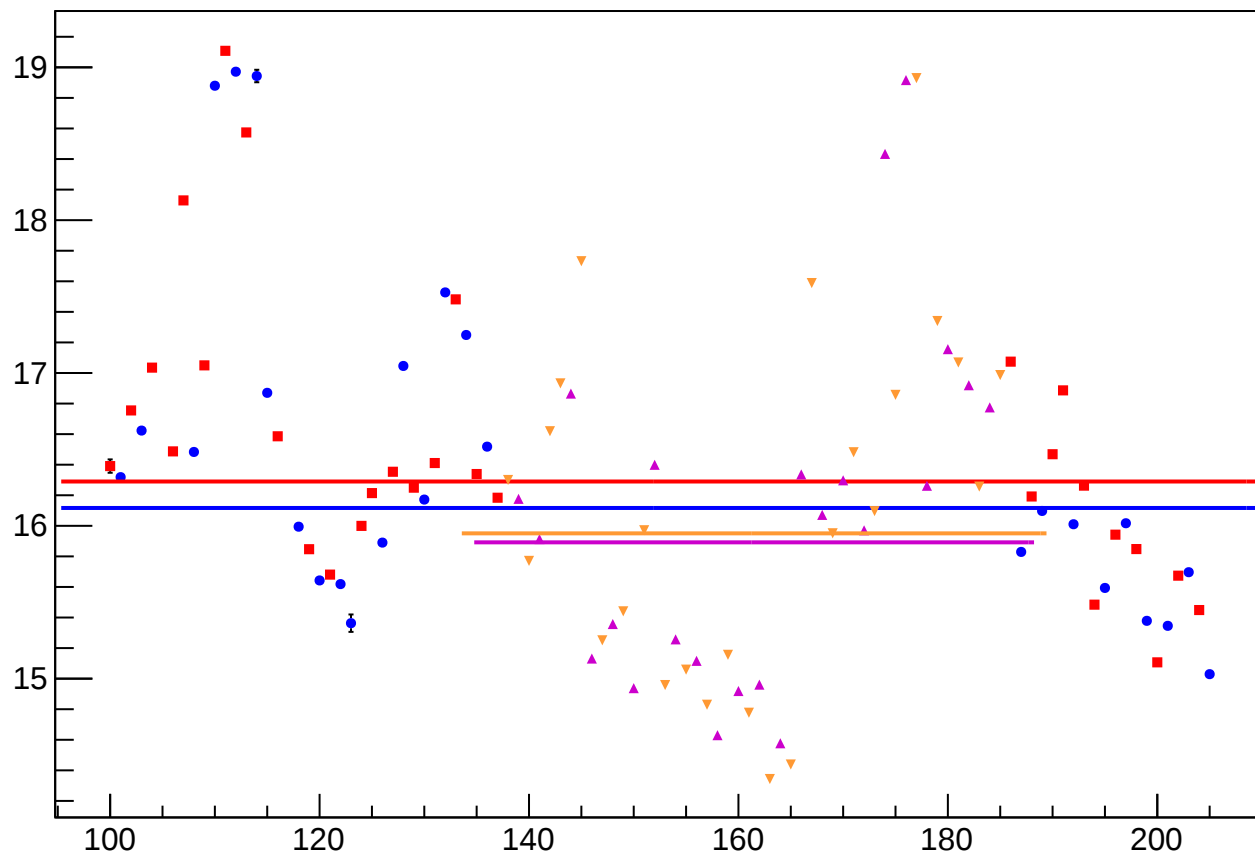
Left In: 6.526 ± 3.828 $\chi^2/\text{NDF}: 36.4/22$

+ sign -0.438 ± 2.863 $\chi^2/\text{NDF}: 27.4/50$

All: 2.362 ± 2.026 $\chi^2/\text{NDF}: 102.4/103$

- 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: 16.117 $\pm$ 0.003 χ^2 /NDF: 76025.3/25

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

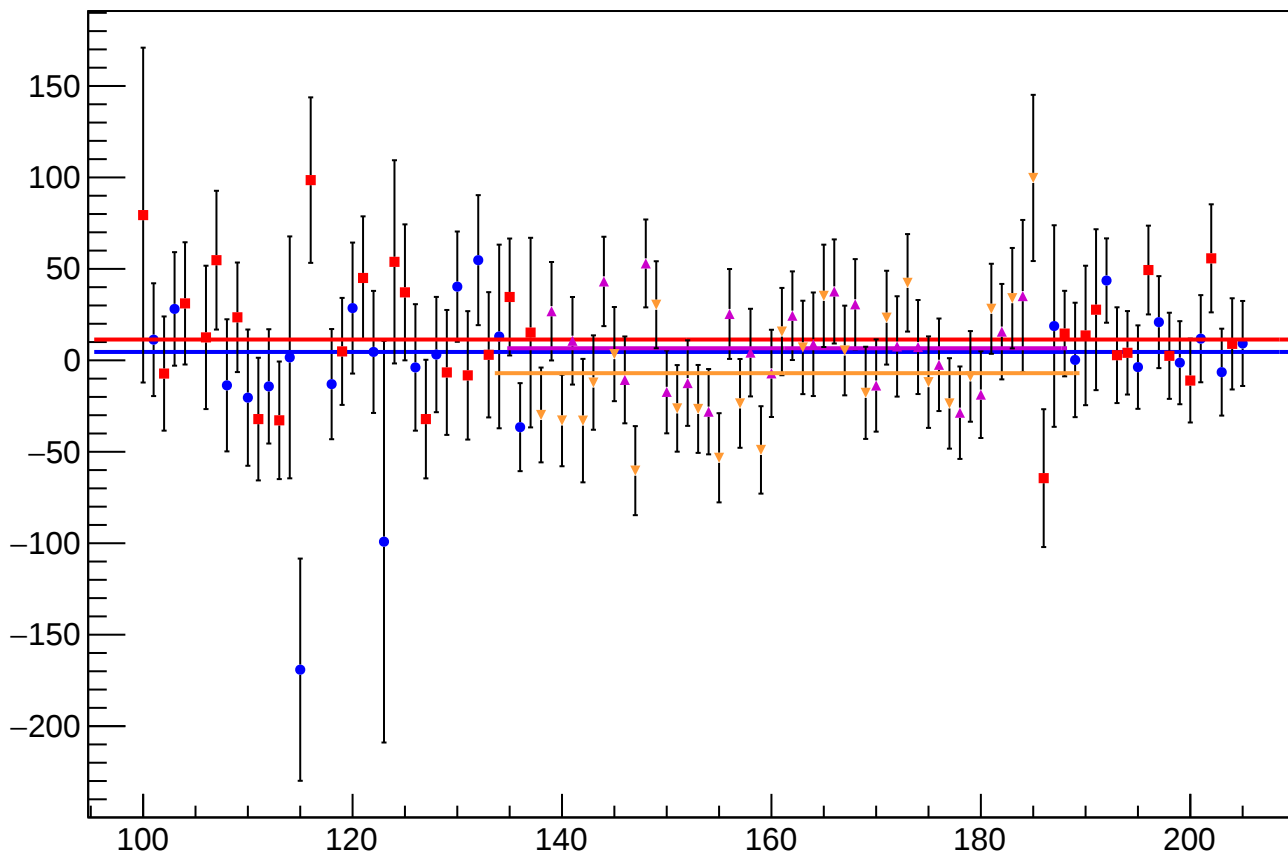
Left In: 15.892 $\pm$ 0.003 χ^2 /NDF:147093.3/22

+ sign 16.019 $\pm$ 0.002 χ^2 /NDF: 251112.1/50

All: 16.043 $\pm$ 0.001 χ^2 /NDF: 483977.0/103

- 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: 4.585 $\pm$ 5.989 χ^2 /NDF: 21.9/25

Left Out: -7.017 $\pm$ 5.121 χ^2 /NDF: 37.4/24

Right Out: 11.382 $\pm$ 5.769 χ^2 /NDF: 25.3/29

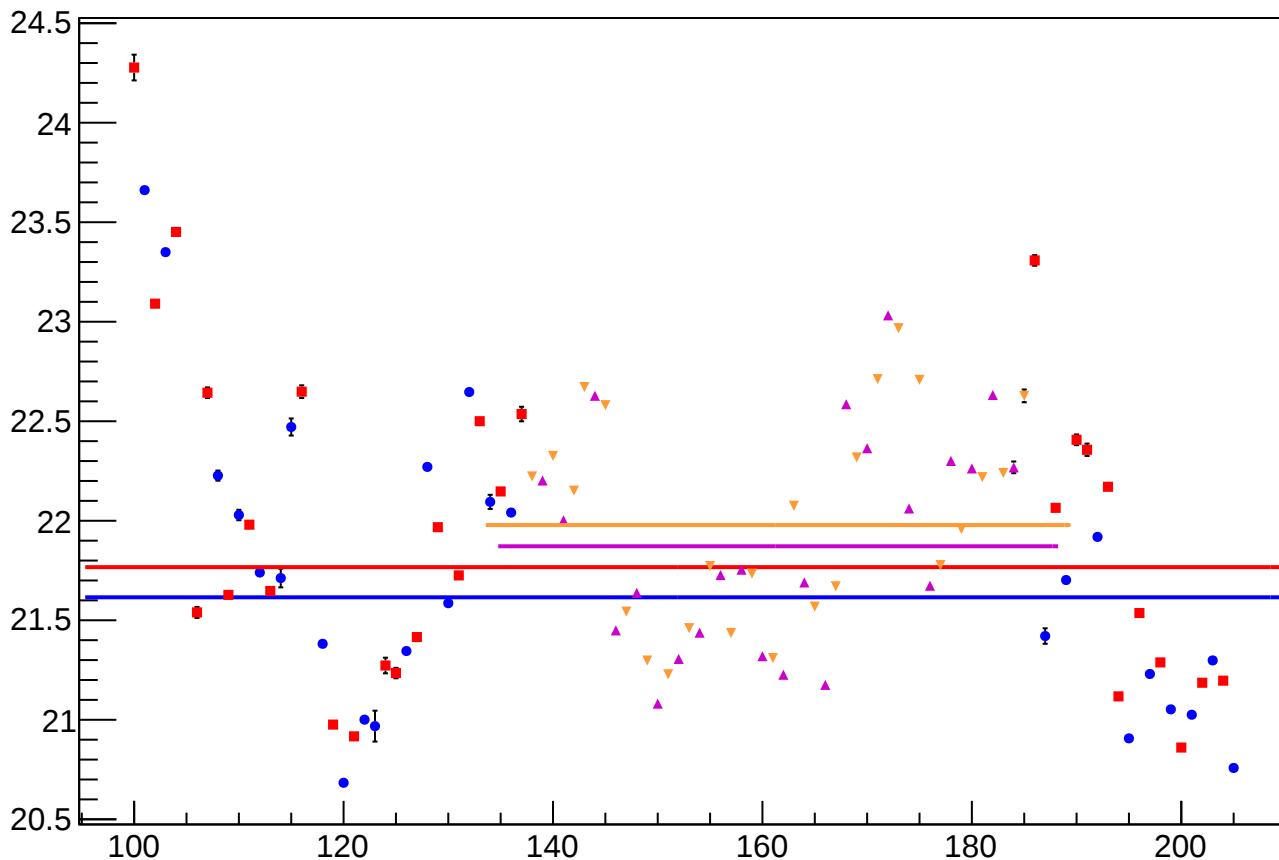
Left In: 6.611 $\pm$ 5.251 χ^2 /NDF: 19.1/22

+ sign -2.117 $\pm$ 3.892 χ^2 /NDF: 61.5/50

All: 3.340 $\pm$ 2.749 χ^2 /NDF: 110.2/103

- sign 8.773 $\pm$ 3.883 χ^2 /NDF: 44.8/52

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.615 $\pm$ 0.004 χ^2 /NDF: 30326.7/25

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

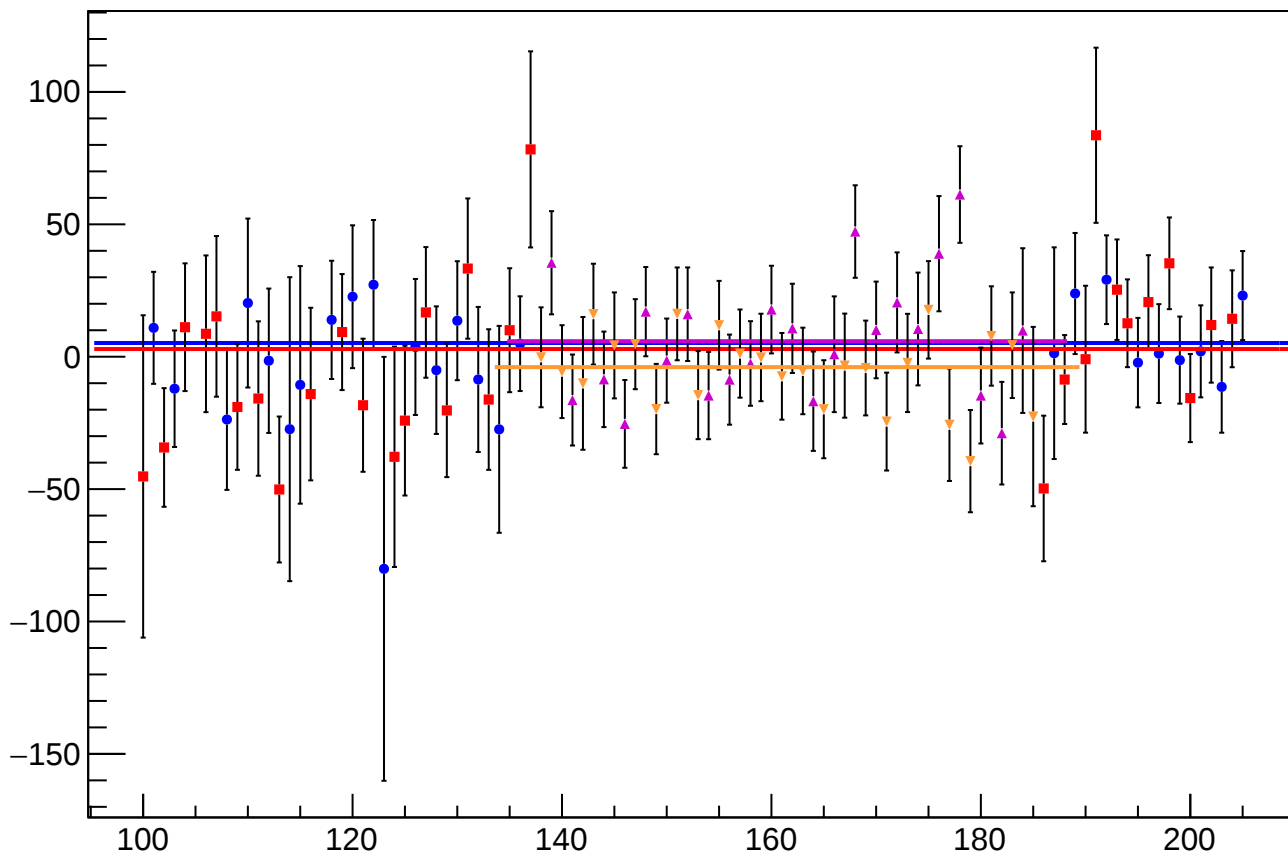
Left In: 21.872 $\pm$ 0.004 χ^2 /NDF:20524.9/22

+ sign 21.825 $\pm$ 0.003 χ^2 /NDF: 54000.9/50

All: 21.825 $\pm$ 0.002 χ^2 /NDF: 105007.8/103

- 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: 5.185 $\pm$ 4.439 χ^2 /NDF: 11.6/25

Left Out: -3.927 $\pm$ 3.688 χ^2 /NDF:14.0/24

Right Out: 2.902 $\pm$ 4.293 χ^2 /NDF: 37.0/29

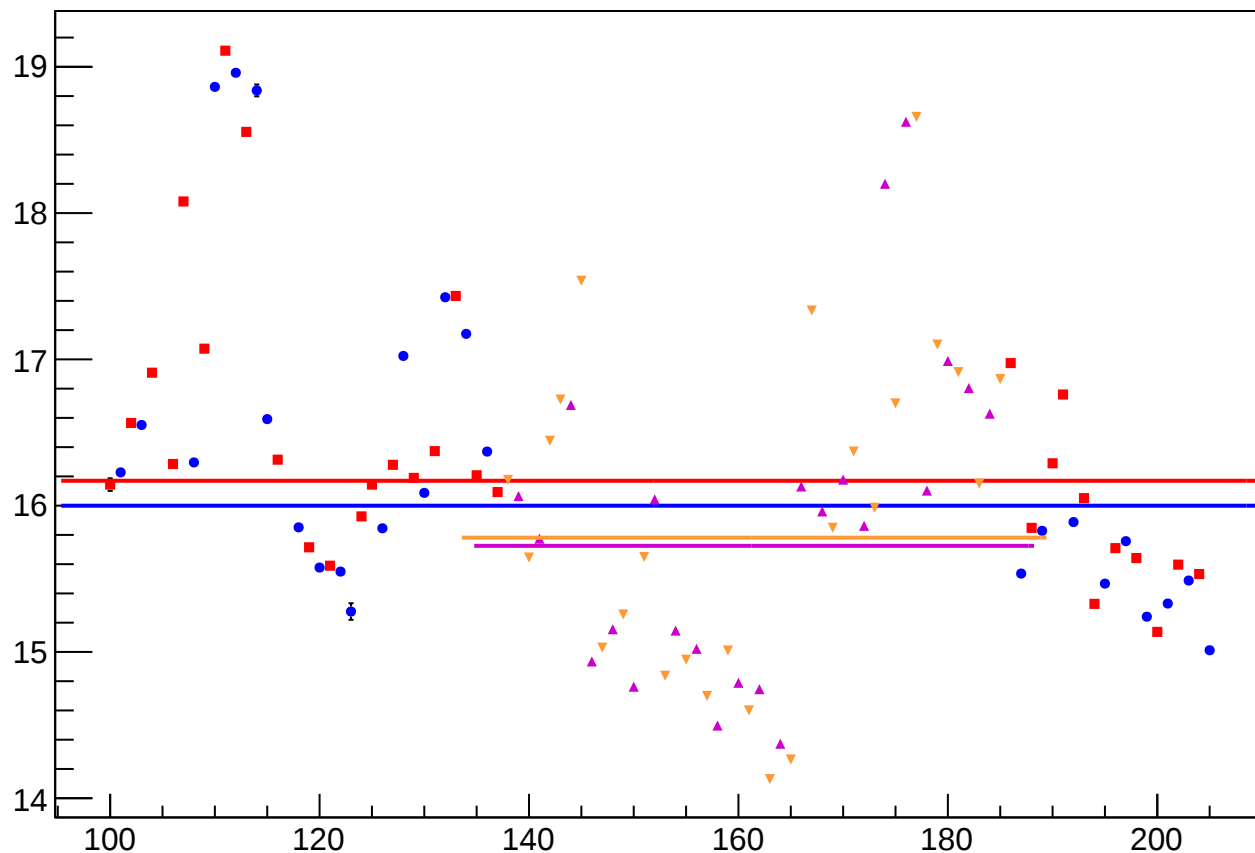
Left In: 5.861 $\pm$ 3.787 χ^2 /NDF:36.2/22

+ sign -0.206 $\pm$ 2.837 χ^2 /NDF: 28.1/50

All: 2.177 $\pm$ 2.007 χ^2 /NDF: 102.9/103

- sign 4.566 $\pm$ 2.840 χ^2 /NDF: 73.5/52

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.000 $\pm$ 0.003 χ^2/NDF : 78541.8/25

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

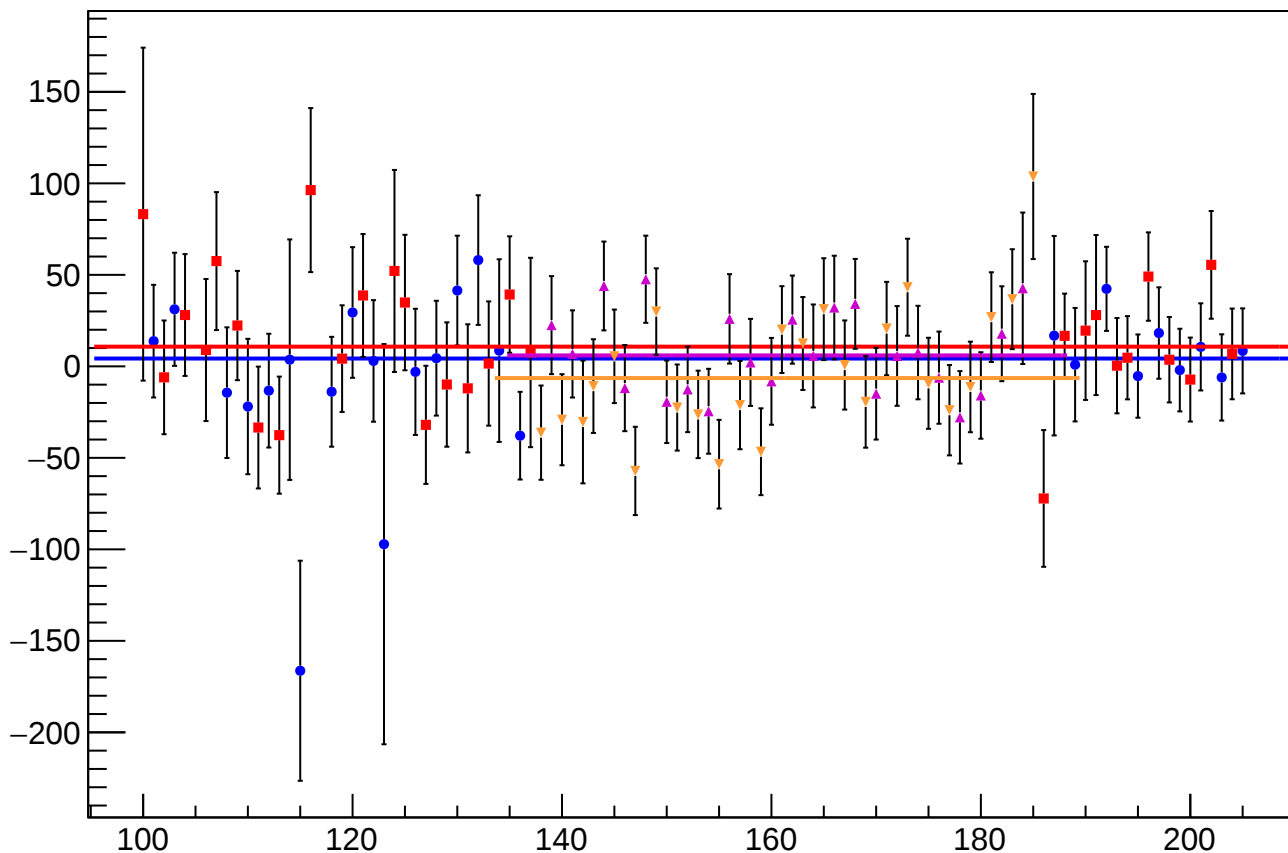
Left In: 15.725 $\pm$ 0.003 χ^2/NDF : 145830.9/22

+ sign 15.870 $\pm$ 0.002 χ^2/NDF : 254299.0/50

All: 15.895 $\pm$ 0.001 χ^2/NDF : 491018.2/103

- 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: 4.273 $\pm$ 5.961 χ^2 /NDF: 22.4/25

Left Out: -6.404 $\pm$ 5.091 χ^2 /NDF: 37.4/24

Right Out: 10.764 $\pm$ 5.737 χ^2 /NDF: 26.7/29

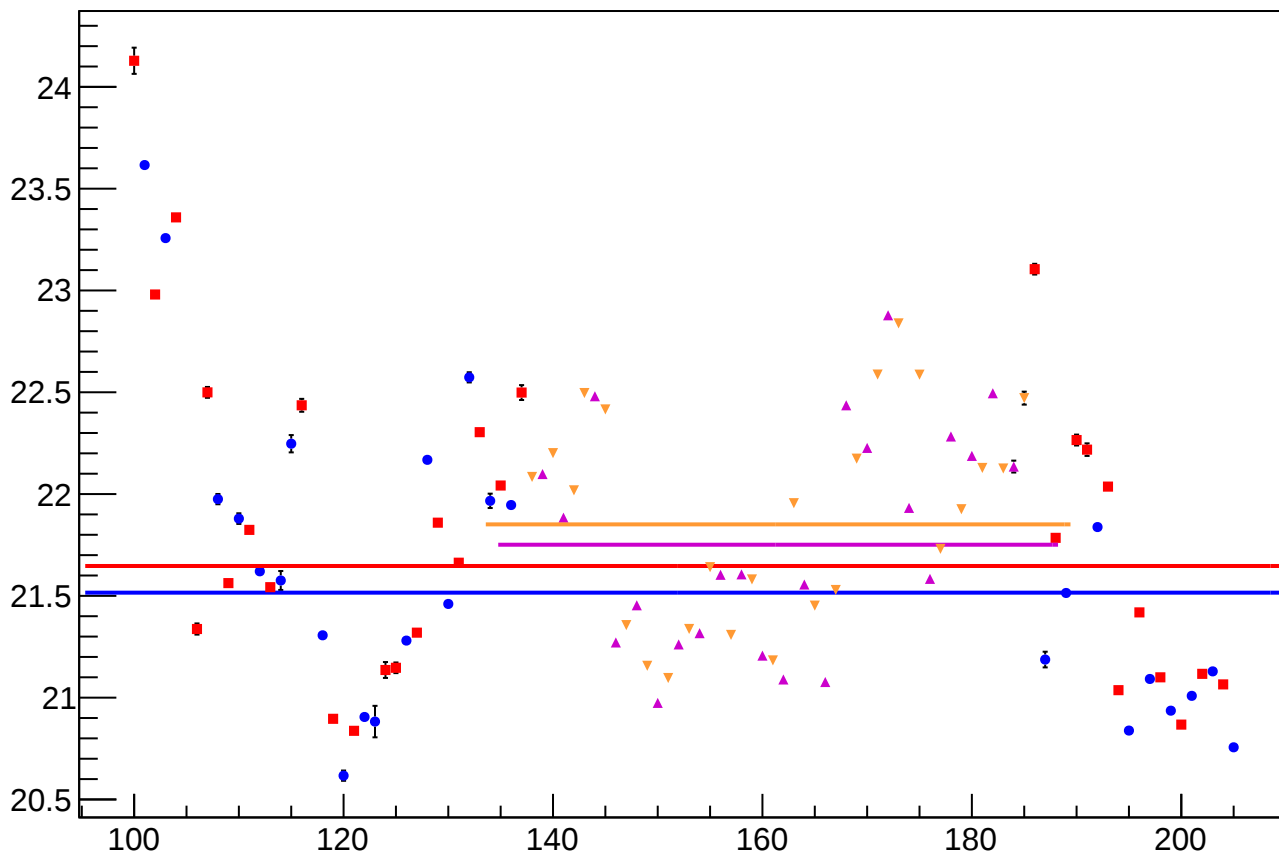
Left In: 5.978 $\pm$ 5.222 χ^2 /NDF: 18.5/22

+ sign -1.901 $\pm$ 3.872 χ^2 /NDF: 61.6/50

All: 3.135 $\pm$ 2.734 χ^2 /NDF: 110.7/103

- sign 8.147 $\pm$ 3.862 χ^2 /NDF: 45.6/52

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.516 $\pm$ 0.004 χ^2 /NDF: 29888.8/25

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

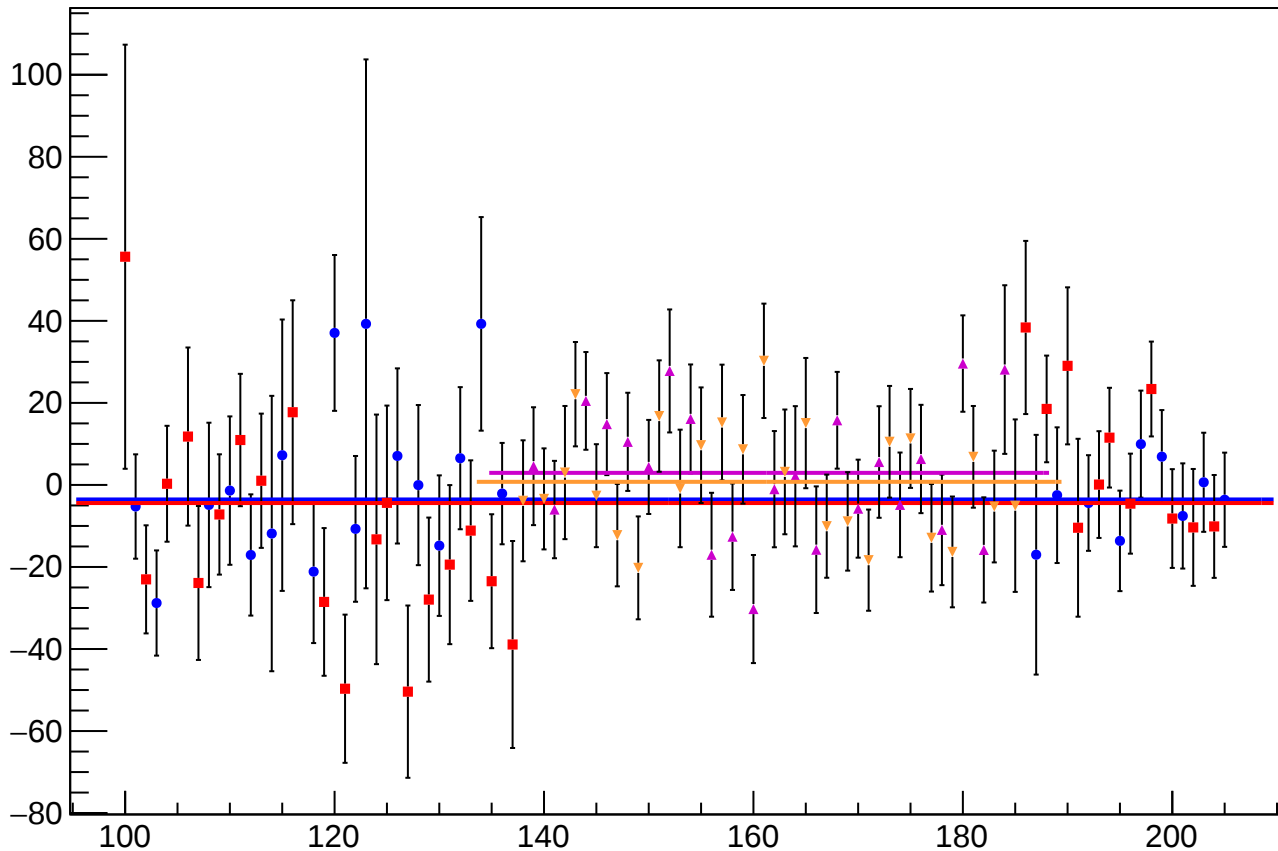
Left In: 21.751 $\pm$ 0.004 χ^2 /NDF: 20516.3/22

+ sign 21.710 $\pm$ 0.003 χ^2 /NDF: 53181.0/50

All: 21.707 $\pm$ 0.002 χ^2 /NDF: 102519.3/103

- 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: -3.542 ± 3.068 $\chi^2/\text{NDF}: 17.9/25$

Left Out: 0.759 ± 2.698 $\chi^2/\text{NDF}: 23.8/24$

Right Out: -4.415 ± 2.976 $\chi^2/\text{NDF}: 43.6/29$

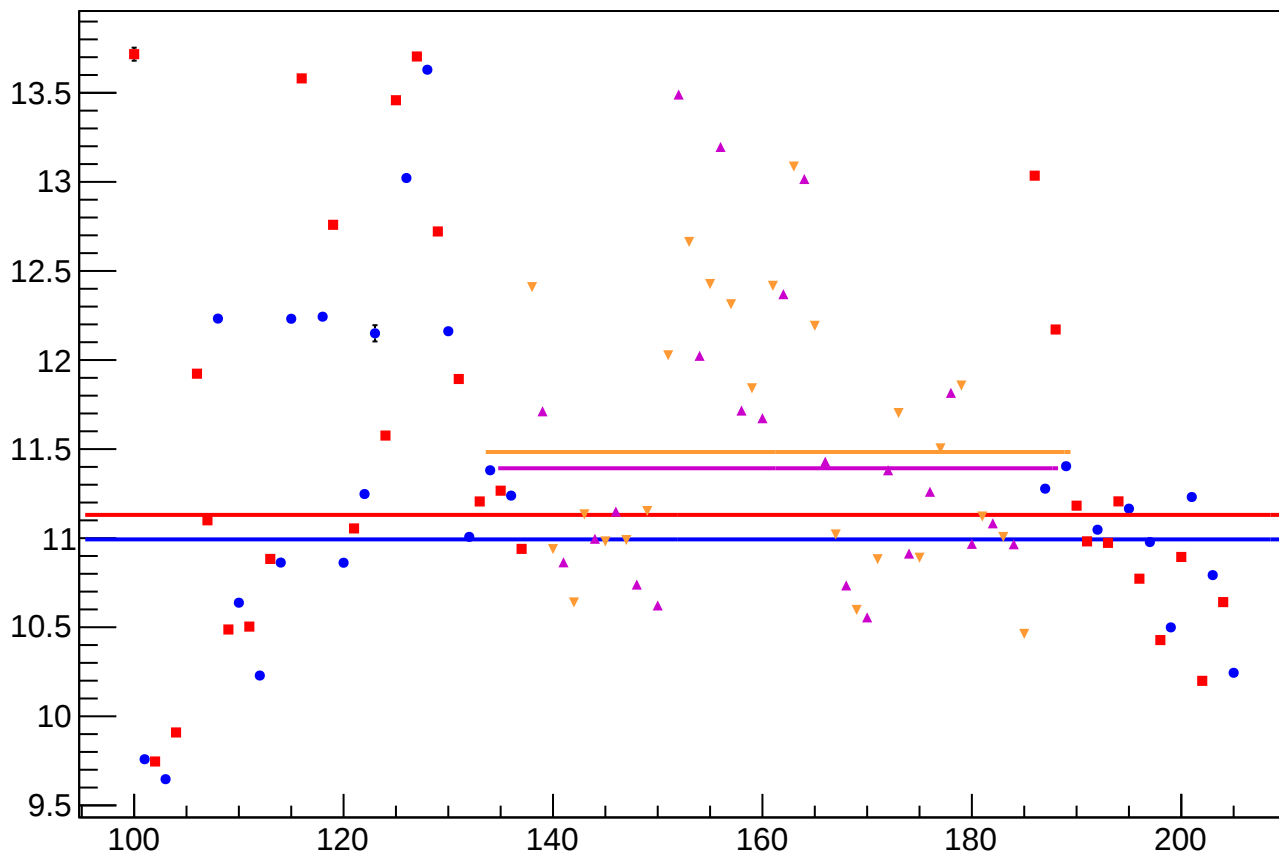
Left In: 2.944 ± 2.757 $\chi^2/\text{NDF}: 30.9/22$

+ sign -1.117 ± 2.026 $\chi^2/\text{NDF}: 42.8/50$

All: -0.785 ± 1.431 $\chi^2/\text{NDF}: 120.7/103$

- sign -0.456 ± 2.023 $\chi^2/\text{NDF}: 77.8/52$

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.993 ± 0.002 χ^2/NDF : 149394.3/25

Left Out: 11.484 ± 0.002 χ^2/NDF : 129805.4/24

Right Out: 11.131 ± 0.002 χ^2/NDF : 201367.7/29

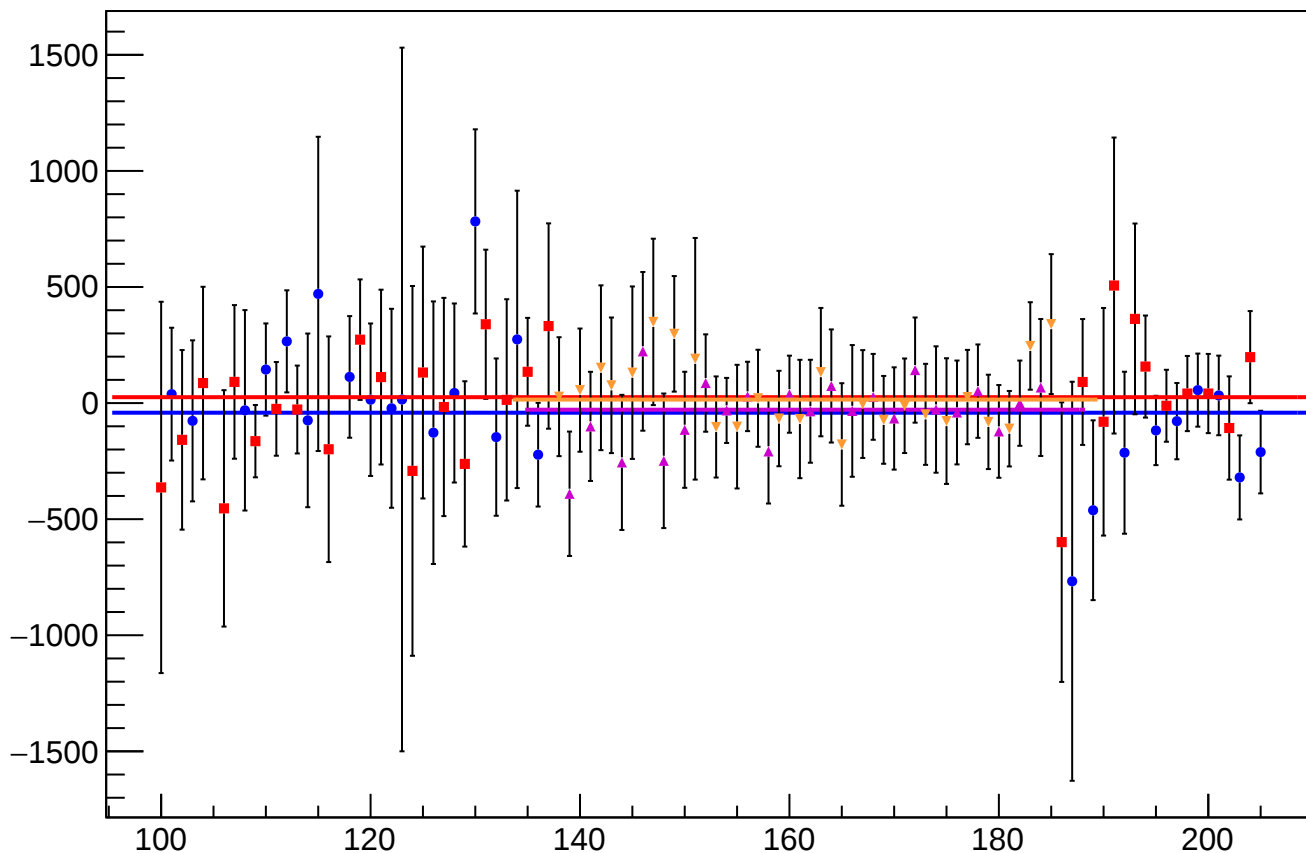
Left In: 11.392 ± 0.002 χ^2/NDF : 150493.3/22

+ sign 11.270 ± 0.001 χ^2/NDF : 308032.9/50

All: 11.271 ± 0.001 χ^2/NDF : 668218.3/103

- sign 11.271 ± 0.001 χ^2/NDF : 360184.6/52

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: -41.483 ± 50.442 χ^2/NDF : 15.6/25

Left Out: 15.130 ± 47.705 χ^2/NDF : 8.0/24

Right Out: 25.412 ± 49.246 χ^2/NDF : 10.7/29

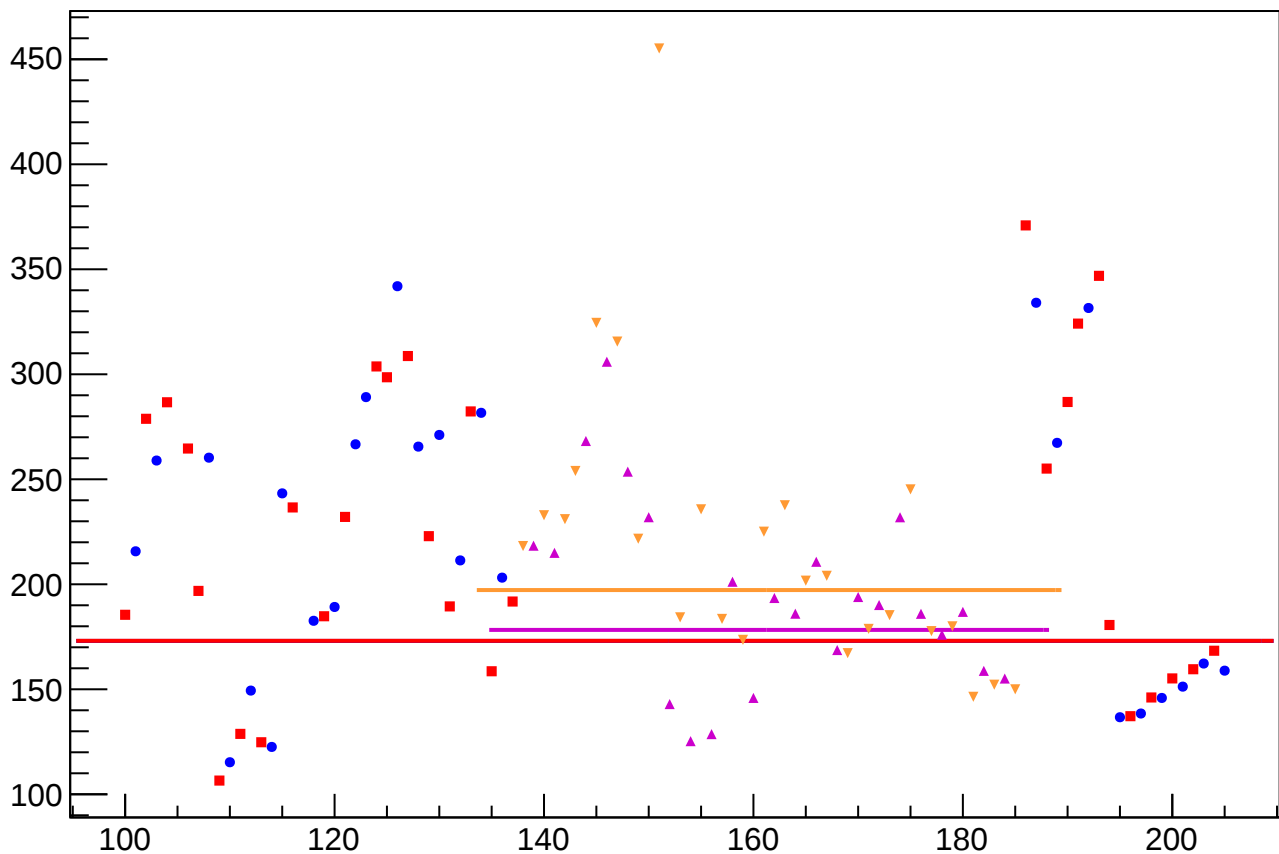
Left In: -28.500 ± 44.797 χ^2/NDF : 6.4/22

+ sign -11.599 ± 34.660 χ^2/NDF : 24.2/50

All: -7.675 ± 23.952 χ^2/NDF : 42.0/103

- 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: 173.020 $\pm$ 0.036 χ^2 /NDF: 2069899.7/25

Left Out: 197.249 $\pm$ 0.034 χ^2 /NDF: 1786808.1/24

Right Out: 173.081 $\pm$ 0.035 χ^2 /NDF: 2736934.4/29

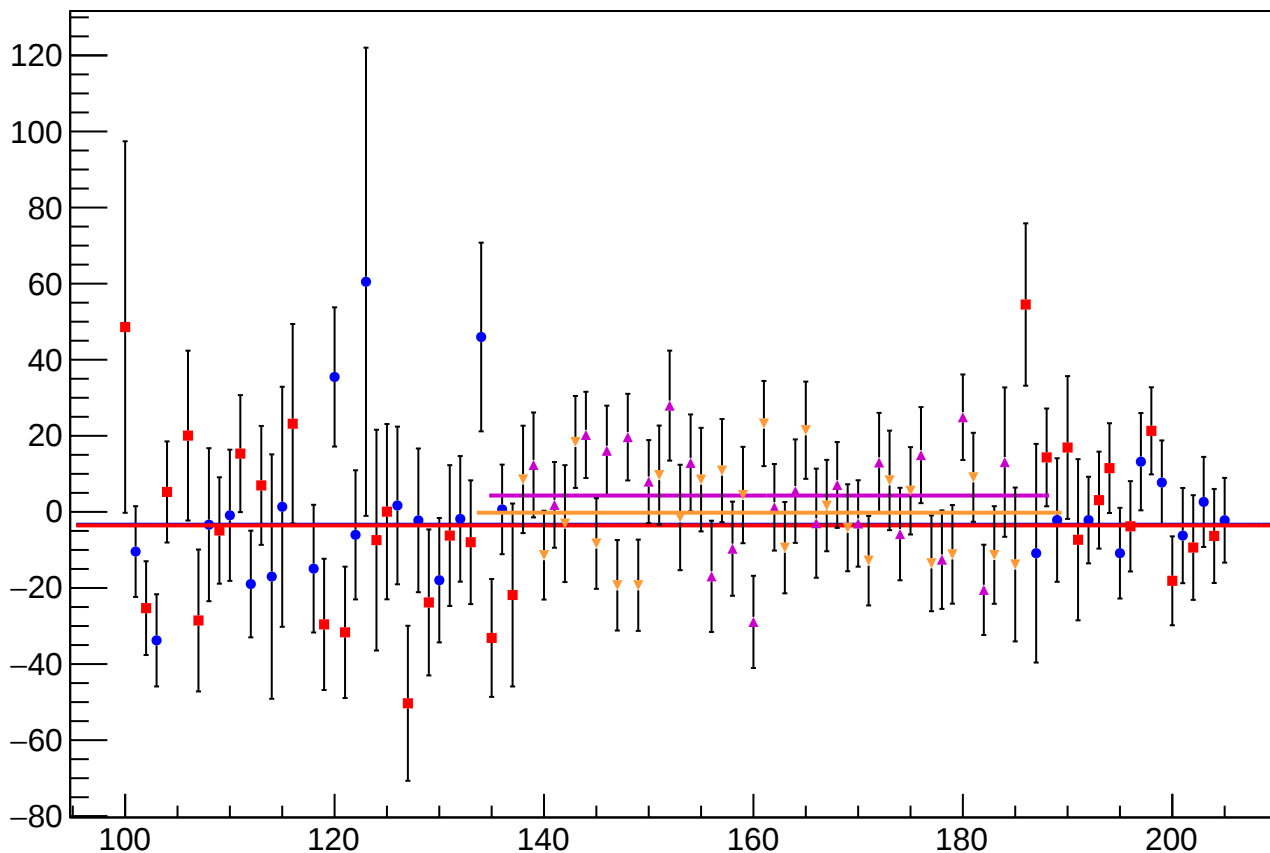
Left In: 178.277 $\pm$ 0.032 χ^2 /NDF: 1628916.6/22

+ sign 185.810 $\pm$ 0.025 χ^2 /NDF: 4100293.0/50

All: 180.645 $\pm$ 0.017 χ^2 /NDF: 8563332.8/103

- sign 175.924 $\pm$ 0.023 χ^2 /NDF: 4378036.3/52

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -3.370 ± 2.962 χ^2/NDF : 22.6/25

Left Out: -0.211 ± 2.523 χ^2/NDF : 24.5/24

Right Out: -3.554 ± 2.881 χ^2/NDF : 45.2/29

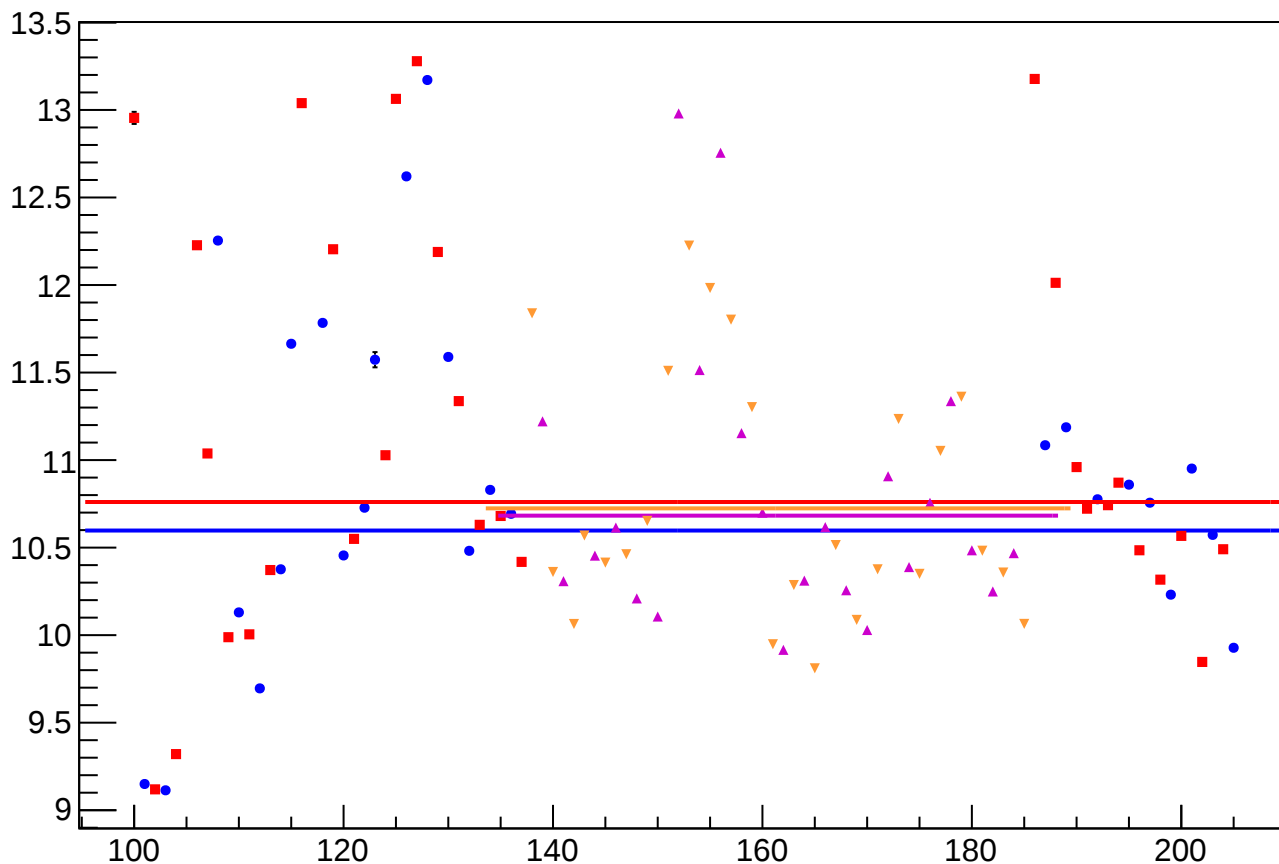
Left In: 4.298 ± 2.589 χ^2/NDF : 31.6/22

+ sign -1.540 ± 1.921 χ^2/NDF : 47.8/50

All: -0.378 ± 1.360 χ^2/NDF : 129.5/103

- sign 0.789 ± 1.926 χ^2/NDF : 80.9/52

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.598 $\pm$ 0.002 χ^2 /NDF: 175842.2/25

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

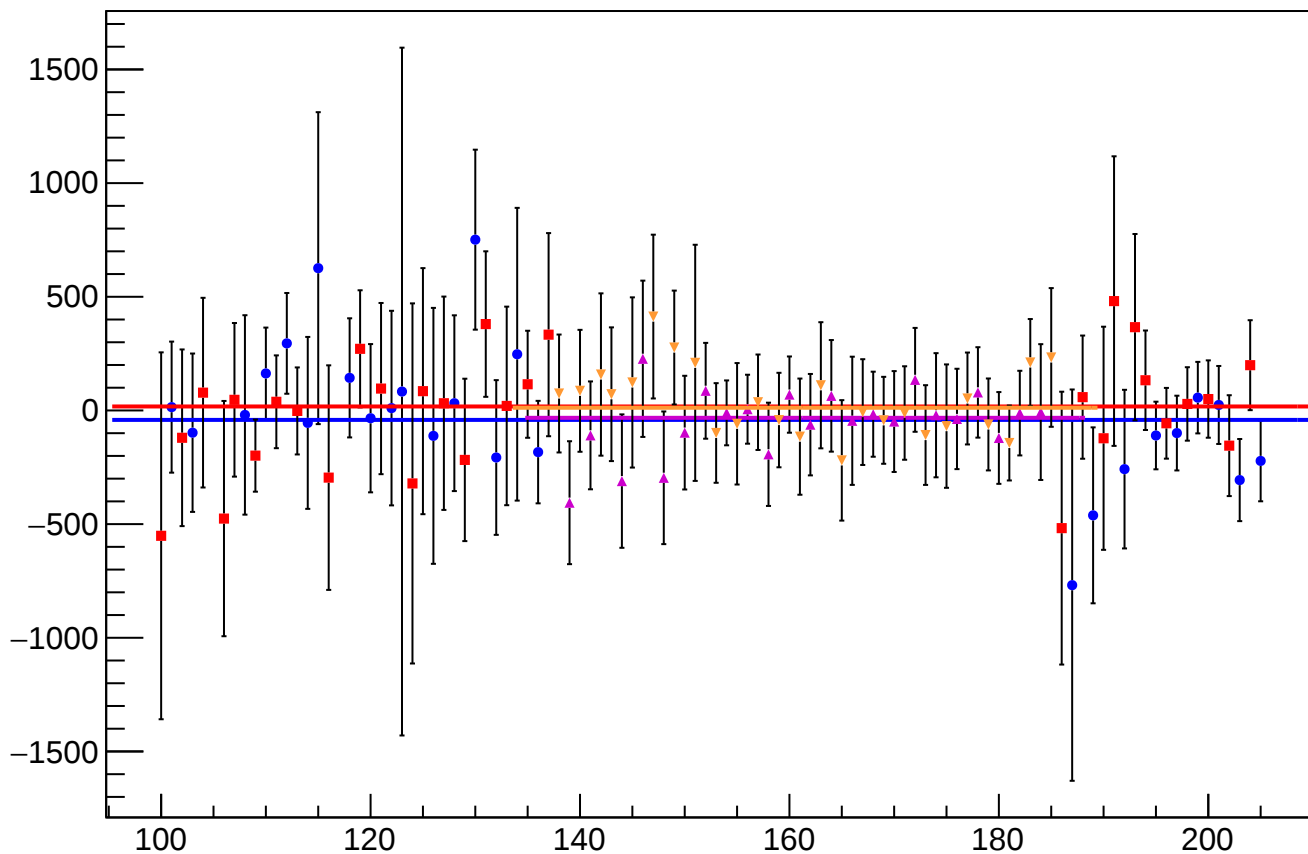
Left In: 10.683 $\pm$ 0.002 χ^2 /NDF:147835.6/22

+ sign 10.671 $\pm$ 0.001 χ^2 /NDF: 310518.9/50

All: 10.694 $\pm$ 0.001 χ^2 /NDF: 697122.5/103

- 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: -41.581 ± 50.535 χ^2/NDF : 16.1/25

Left Out: 11.891 ± 48.022 χ^2/NDF : 7.6/24

Right Out: 17.519 ± 49.446 χ^2/NDF : 11.6/29

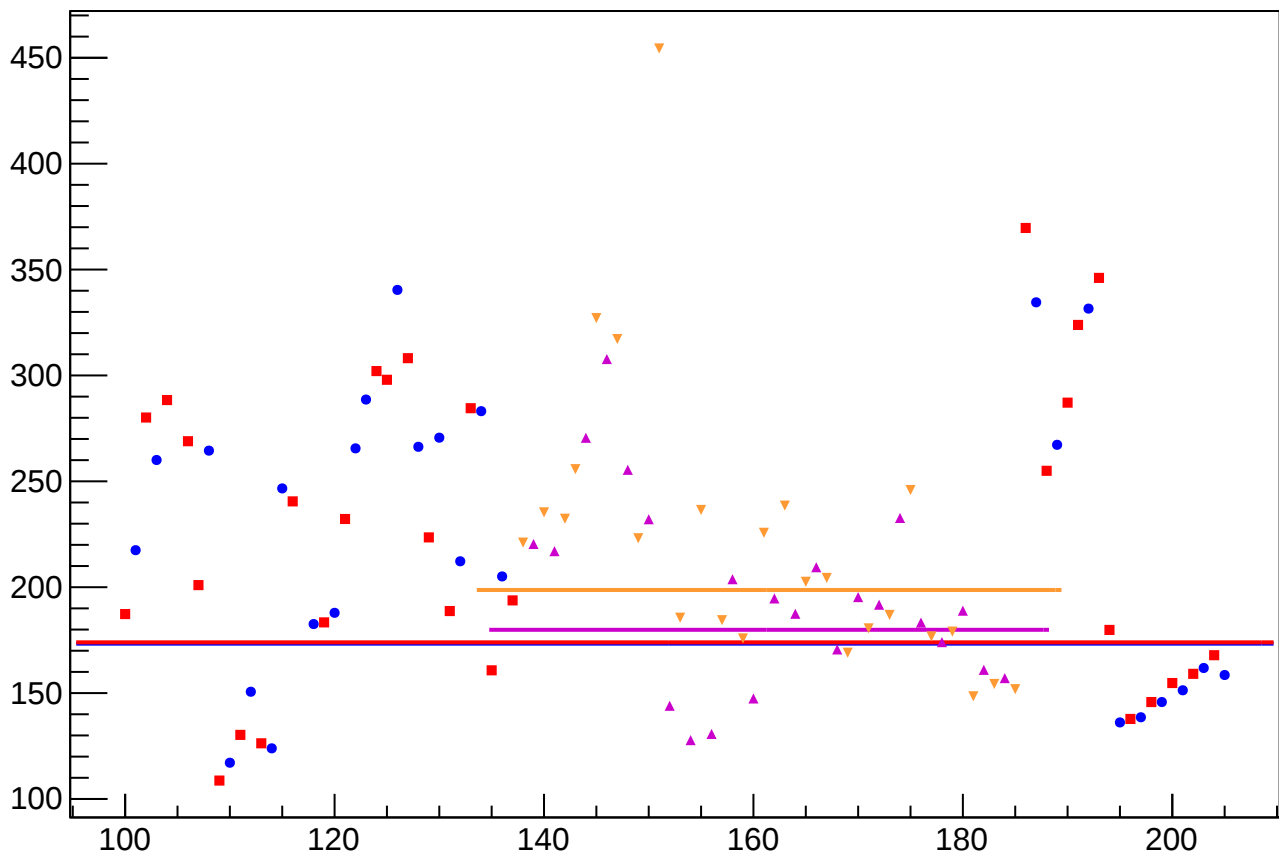
Left In: -32.413 ± 45.155 χ^2/NDF : 6.9/22

+ sign -13.483 ± 34.811 χ^2/NDF : 24.3/50

All: -11.514 ± 24.079 χ^2/NDF : 43.4/103

- 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: 173.340 $\pm$ 0.036 χ^2 /NDF: 2068304.9/25

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

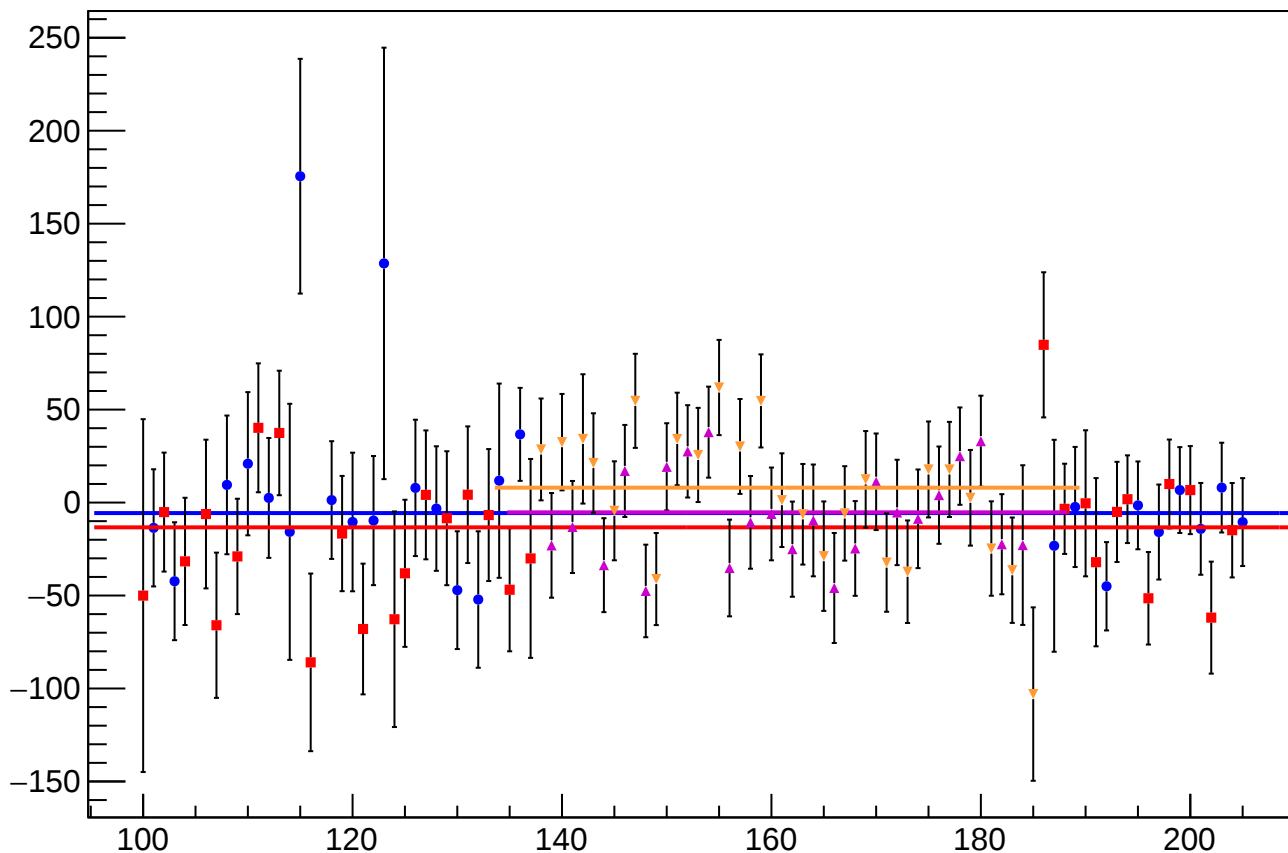
Left In: 179.886 $\pm$ 0.032 χ^2 /NDF:1580636.4/22

+ sign 186.663 $\pm$ 0.025 χ^2 /NDF: 4092186.7/50

All: 181.725 $\pm$ 0.017 χ^2 /NDF: 8457393.9/103

- 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: -5.651 ± 6.182 χ^2/NDF : 22.0/25

Left Out: 8.004 ± 5.334 χ^2/NDF : 37.4/24

Right Out: -13.327 ± 5.968 χ^2/NDF : 28.7/29

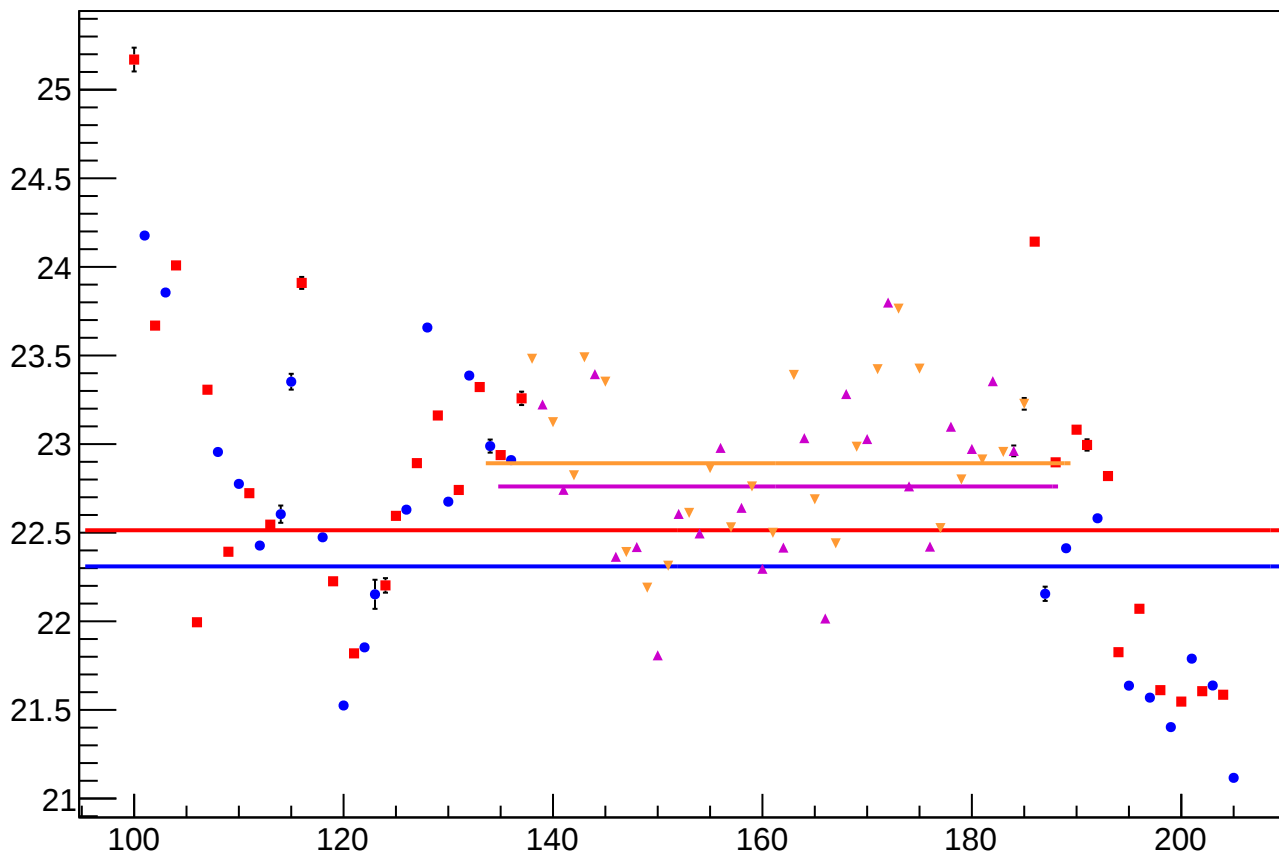
Left In: -5.261 ± 5.465 χ^2/NDF : 20.8/22

+ sign 2.176 ± 4.039 χ^2/NDF : 62.3/50

All: -3.393 ± 2.853 χ^2/NDF : 116.5/103

- 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: 22.310+/-0.004 χ^2/NDF : 35658.2/25

Left Out: 22.892+/-0.004 χ^2/NDF :12995.5/24

Right Out: 22.514+/-0.004 χ^2/NDF : 32593.8/29

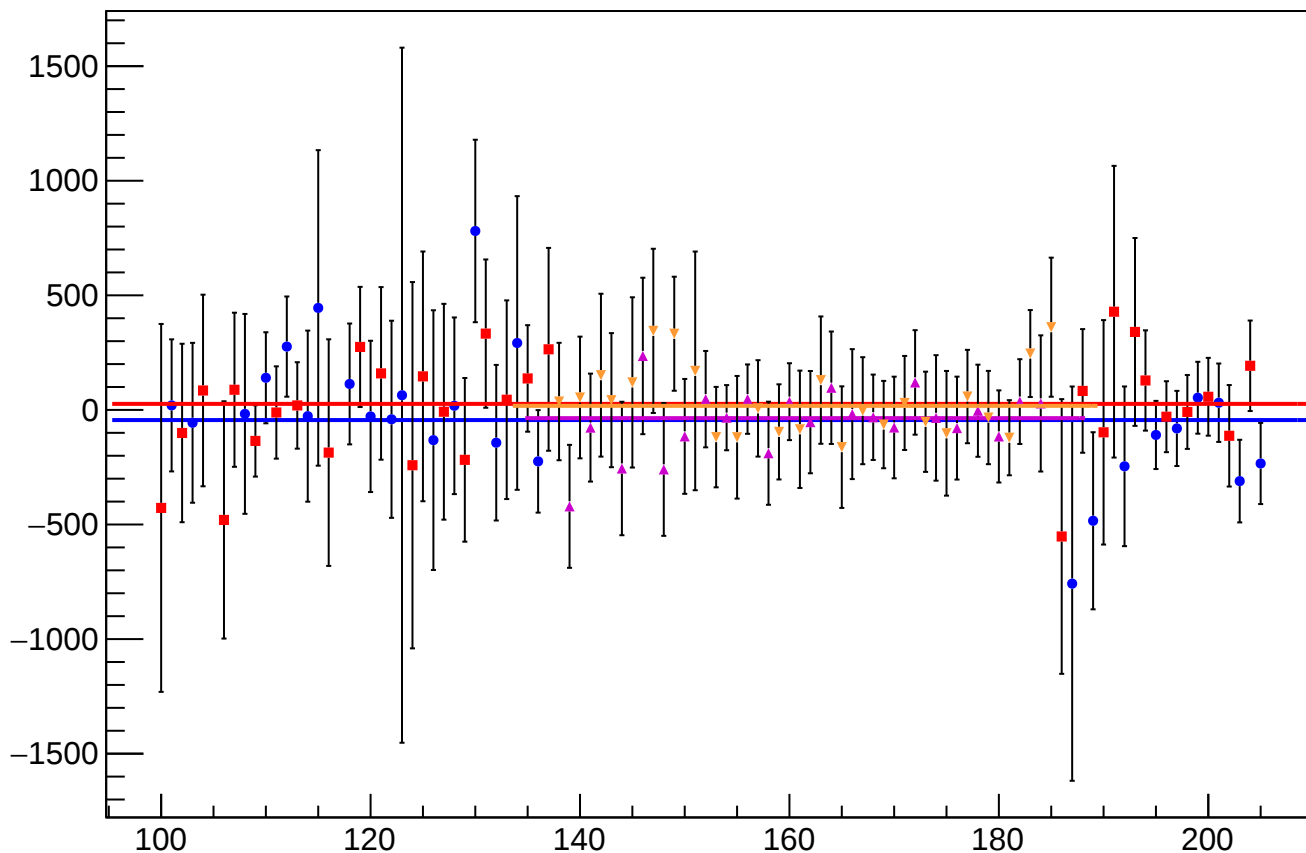
Left In: 22.761+/-0.004 χ^2/NDF :14550.0/22

+ sign 22.644+/-0.003 χ^2/NDF : 58818.4/50

All: 22.646+/-0.002 χ^2/NDF : 107829.2/103

- sign 22.648+/-0.003 χ^2/NDF : 49009.5/52

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -44.284 ± 50.388 χ^2/NDF : 15.8/25

Left Out: 17.777 ± 47.941 χ^2/NDF : 8.5/24

Right Out: 26.373 ± 49.211 χ^2/NDF : 9.4/29

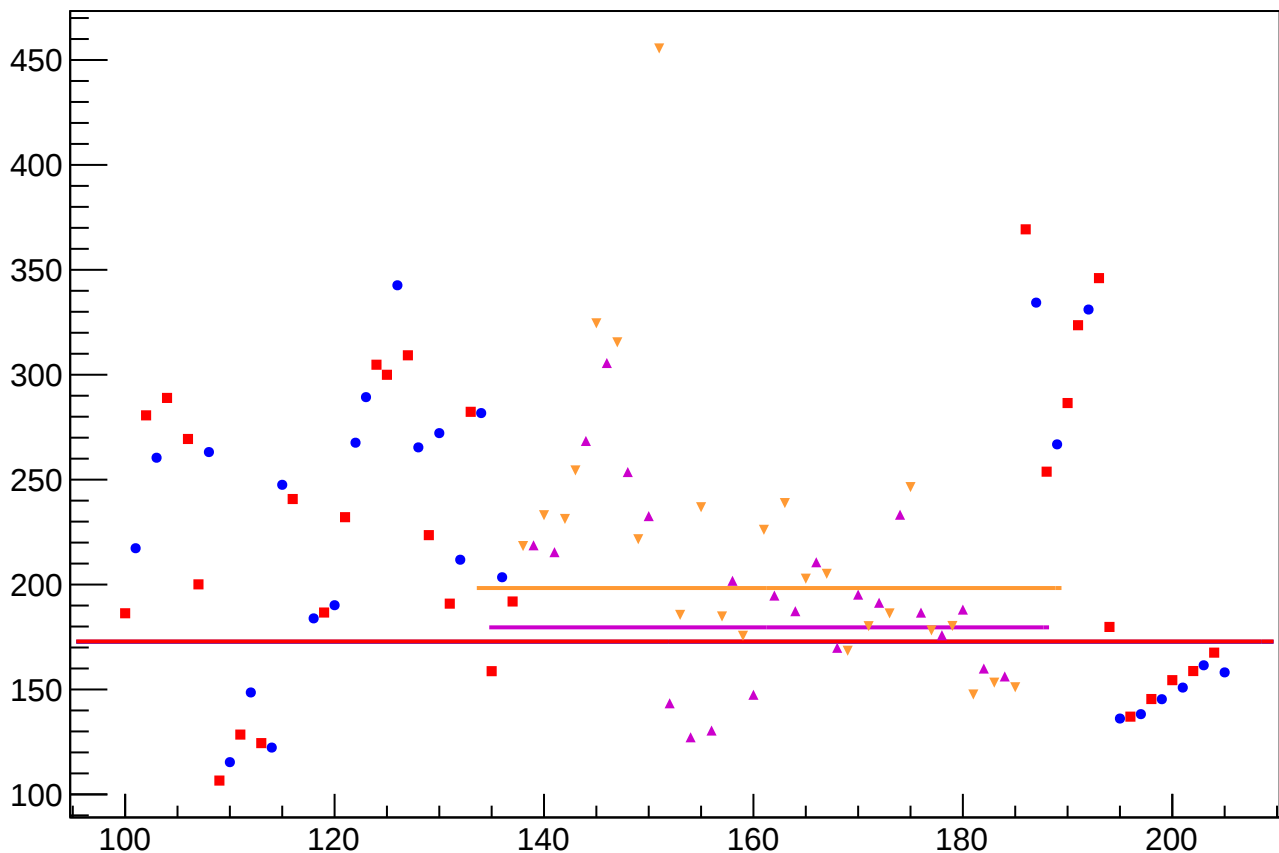
Left In: -35.879 ± 45.087 χ^2/NDF : 6.3/22

+ sign -11.710 ± 34.732 χ^2/NDF : 25.1/50

All: -9.497 ± 24.016 χ^2/NDF : 41.7/103

- 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: 172.740 $\pm$ 0.036 χ^2 /NDF: 2098856.7/25

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

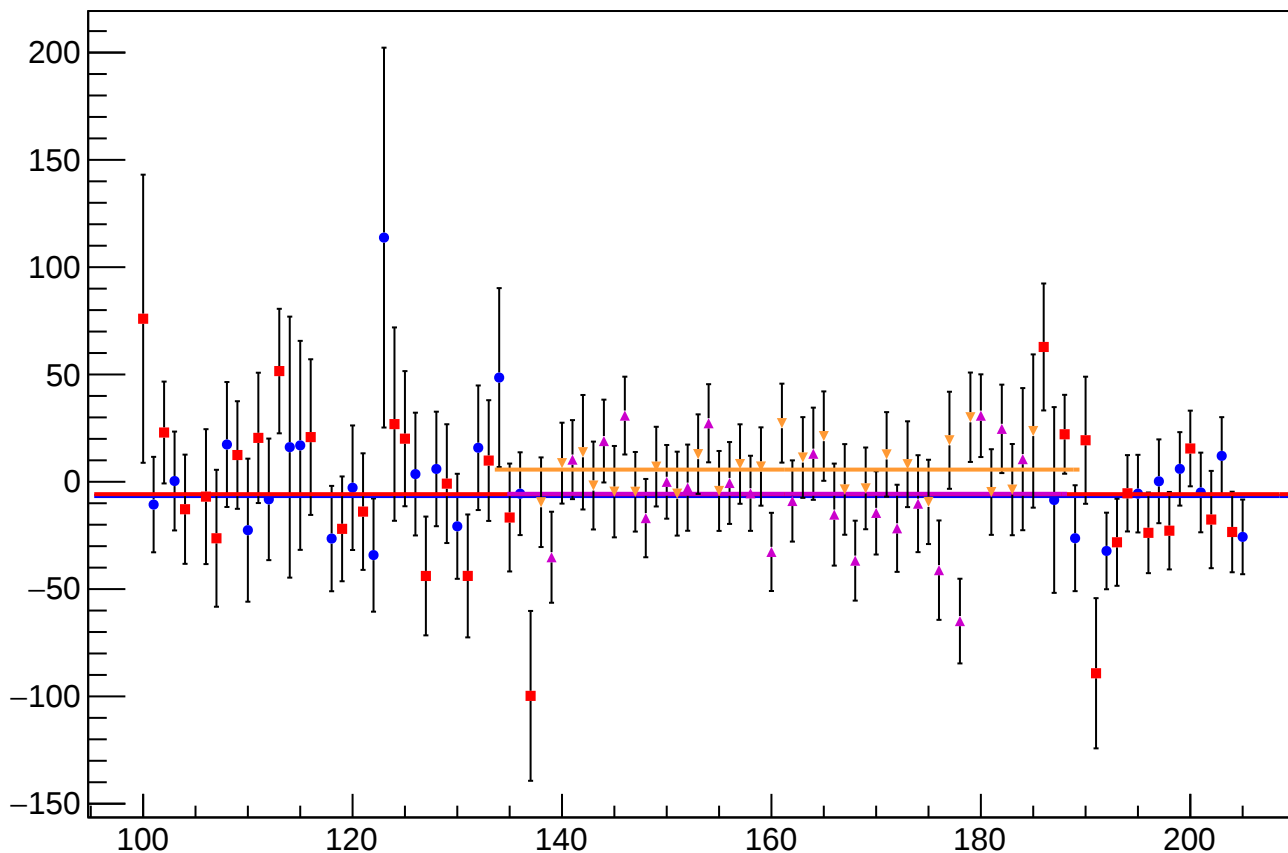
Left In: 179.605 $\pm$ 0.032 χ^2 /NDF:1575744.0/22

+ sign 186.178 $\pm$ 0.025 χ^2 /NDF: 4127347.3/50

All: 181.148 $\pm$ 0.017 χ^2 /NDF: 8566941.8/103

- 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: -6.653 $\pm$ 4.726 χ^2/NDF : 13.7/25

Left Out: 5.680 $\pm$ 4.024 χ^2/NDF : 7.7/24

Right Out: -5.768 $\pm$ 4.585 χ^2/NDF : 40.5/29

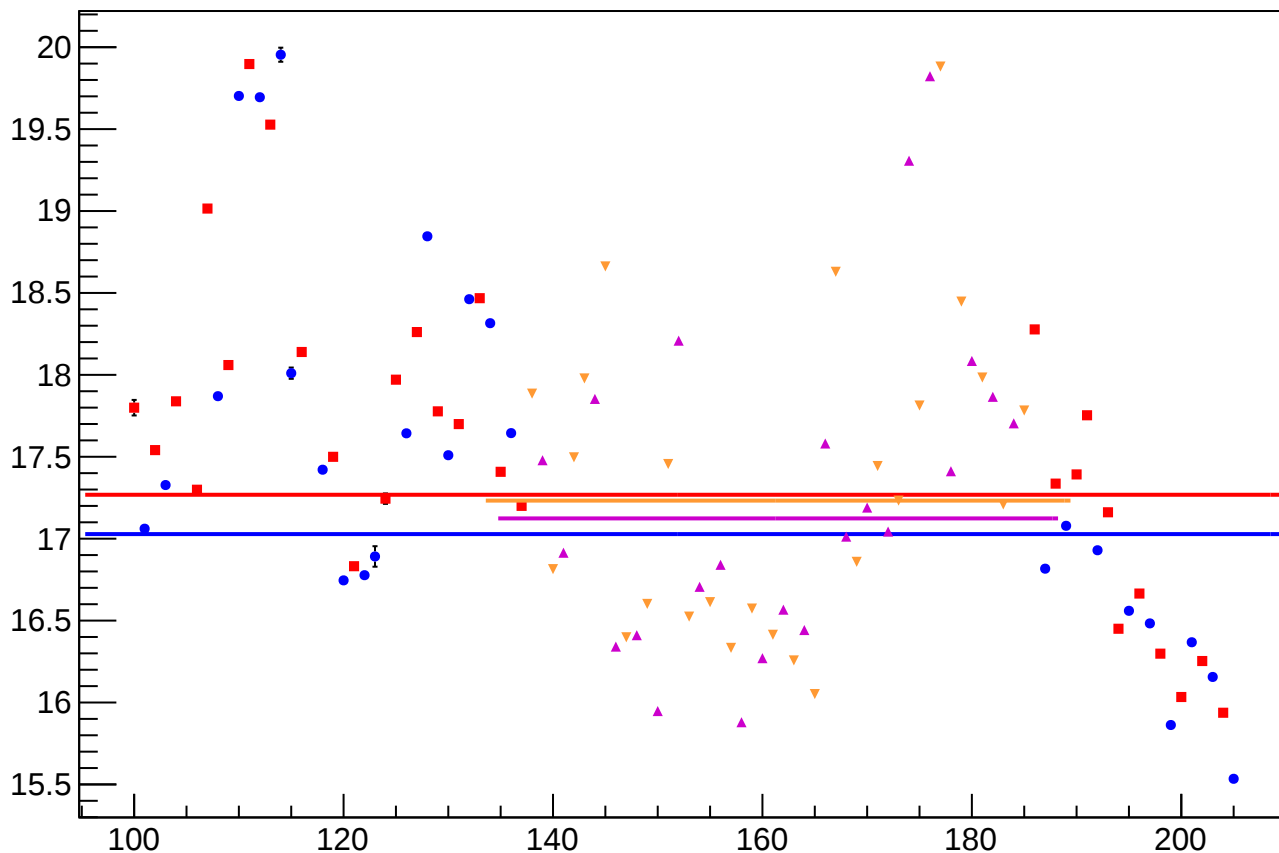
Left In: -5.595 $\pm$ 4.121 χ^2/NDF : 36.4/22

+ sign 0.497 $\pm$ 3.064 χ^2/NDF : 25.4/50

All: -2.586 $\pm$ 2.167 χ^2/NDF : 104.3/103

- sign -5.672 $\pm$ 3.065 χ^2/NDF : 76.9/52

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.028 $\pm$ 0.003 χ^2 /NDF: 93007.2/25

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

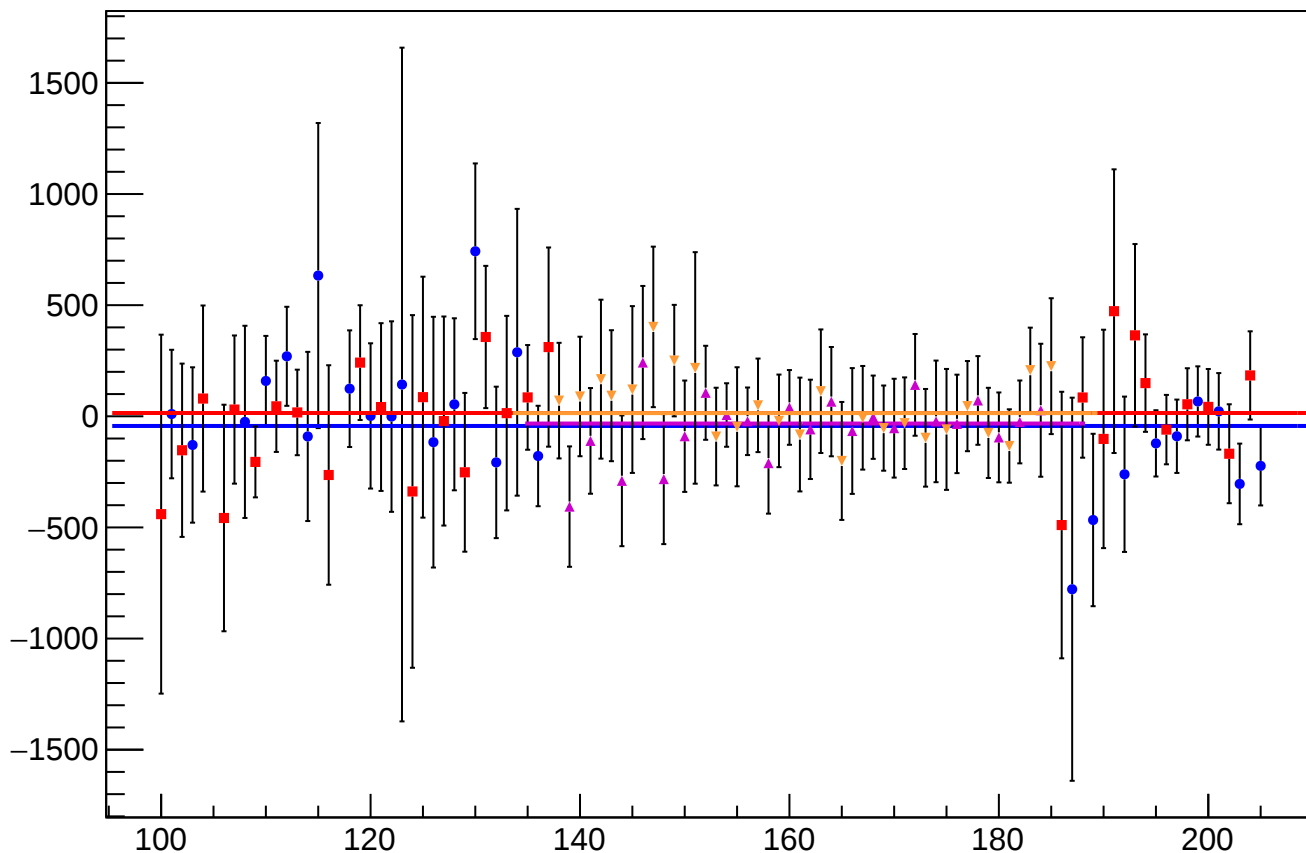
Left In: 17.124 $\pm$ 0.003 χ^2 /NDF: 100747.0/22

+ sign 17.147 $\pm$ 0.002 χ^2 /NDF: 193878.2/50

All: 17.167 $\pm$ 0.002 χ^2 /NDF: 381453.0/103

- 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: -43.503 ± 50.685 χ^2/NDF : 15.8/25

Left Out: 14.362 ± 48.130 χ^2/NDF : 6.9/24

Right Out: 14.824 ± 49.568 χ^2/NDF : 11.0/29

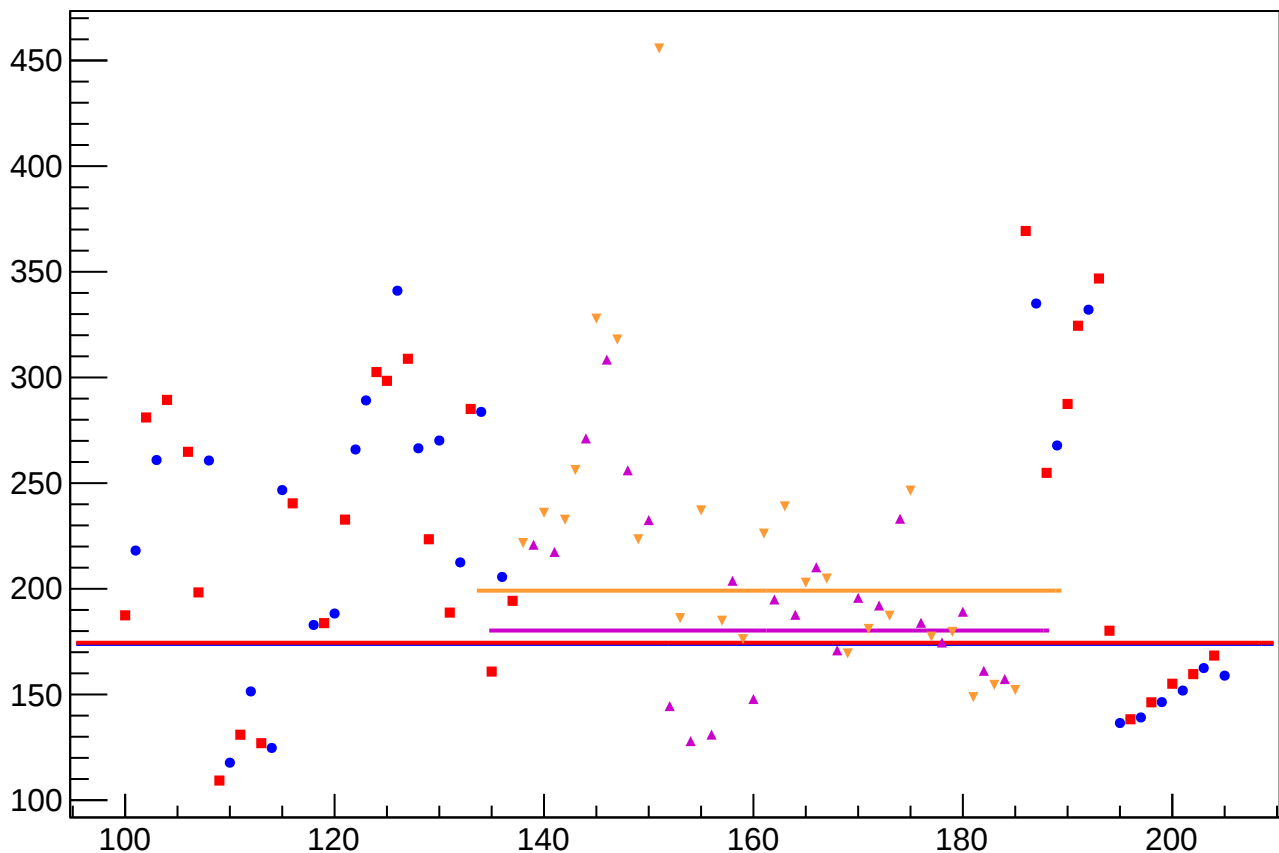
Left In: -32.571 ± 45.248 χ^2/NDF : 6.7/22

+ sign -13.075 ± 34.901 χ^2/NDF : 23.4/50

All: -12.007 ± 24.137 χ^2/NDF : 41.6/103

- 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: 173.919 $\pm$ 0.036 χ^2 /NDF: 2050294.2/25

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

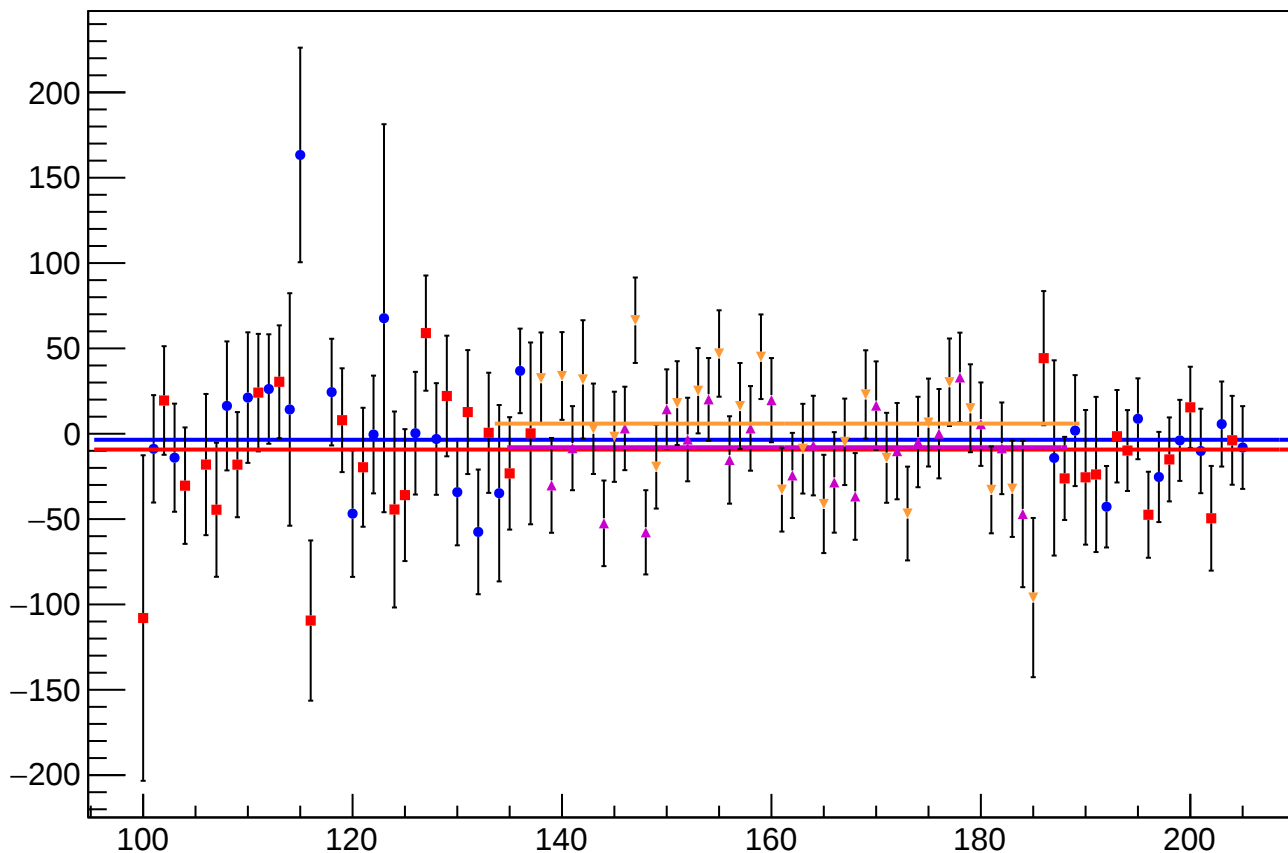
Left In: 180.256 $\pm$ 0.032 χ^2 /NDF:1580553.5/22

+ sign 187.179 $\pm$ 0.025 χ^2 /NDF: 4070910.8/50

All: 182.197 $\pm$ 0.017 χ^2 /NDF: 8412210.6/103

- 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: -3.524 ± 6.209 χ^2/NDF : 21.5/25

Left Out: 5.937 ± 5.285 χ^2/NDF : 36.1/24

Right Out: -9.253 ± 5.977 χ^2/NDF : 24.8/29

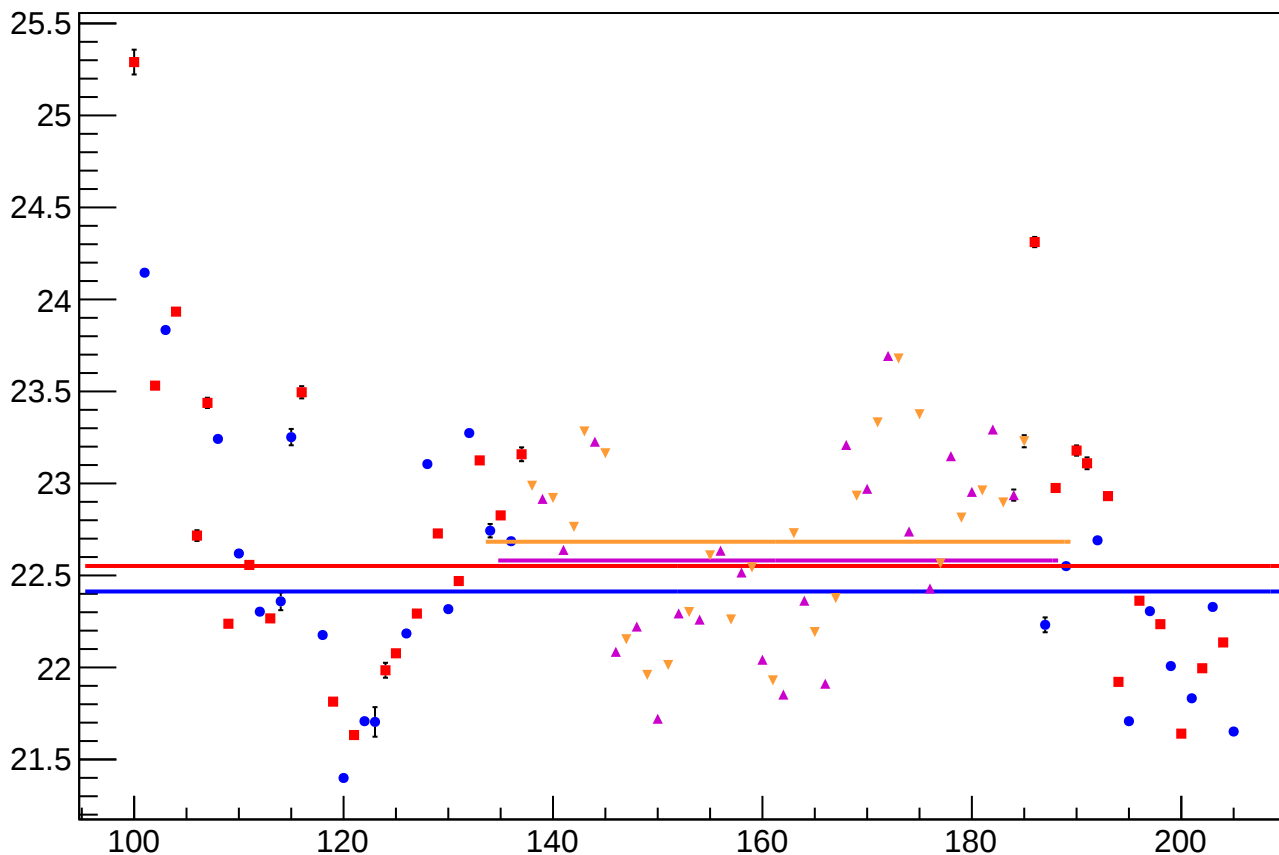
Left In: -7.915 ± 5.422 χ^2/NDF : 18.7/22

+ sign 1.962 ± 4.025 χ^2/NDF : 59.0/50

All: -3.290 ± 2.843 χ^2/NDF : 105.9/103

- 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: 22.413 $\pm$ 0.004 χ^2 /NDF: 22255.8/25

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

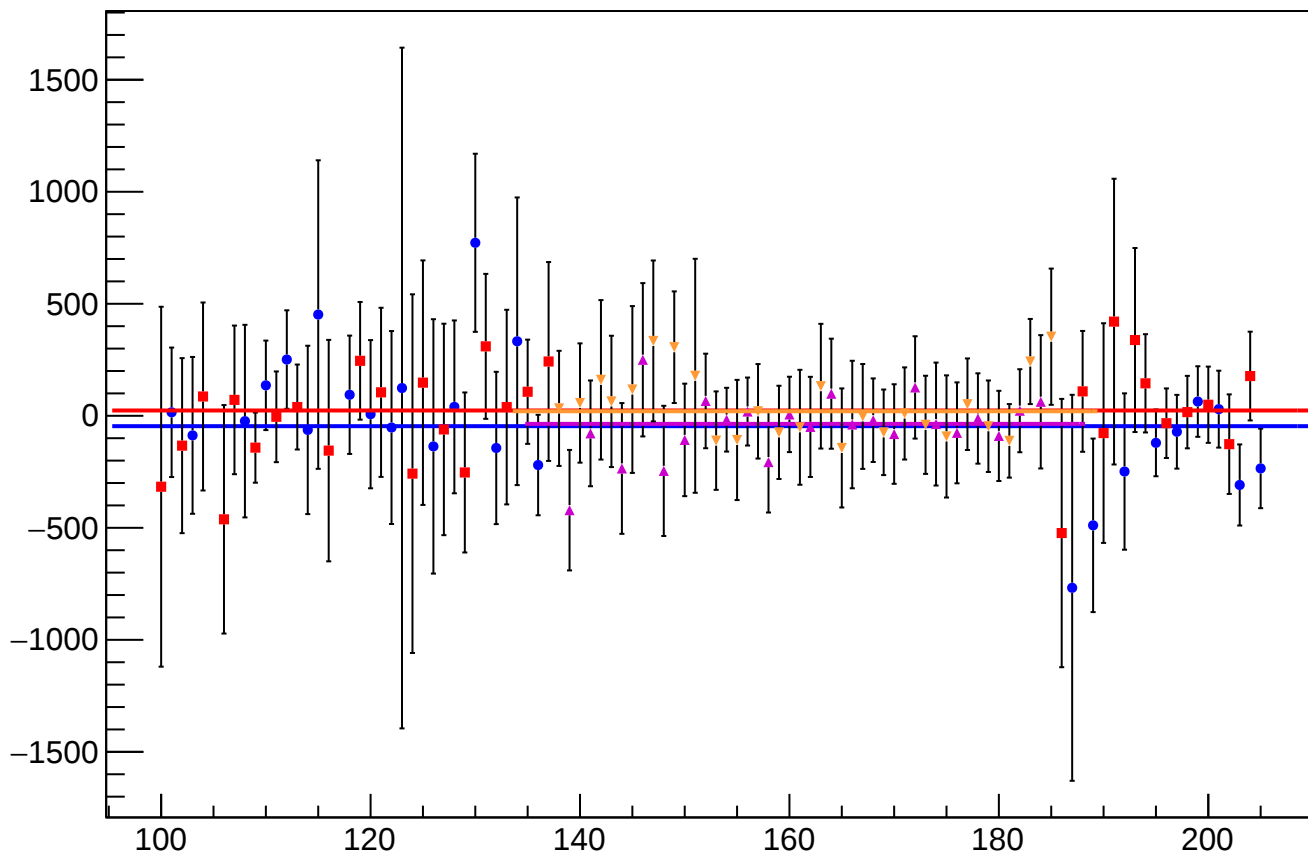
Left In: 22.581 $\pm$ 0.004 χ^2 /NDF:17904.5/22

+ sign 22.570 $\pm$ 0.003 χ^2 /NDF: 40776.3/50

All: 22.569 $\pm$ 0.002 χ^2 /NDF: 83706.0/103

- 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: -46.291 $\pm$ 50.540 χ^2 /NDF: 15.4/25

Left Out: 20.306 $\pm$ 48.049 χ^2 /NDF: 7.7/24

Right Out: 23.742 $\pm$ 49.335 χ^2 /NDF: 8.8/29

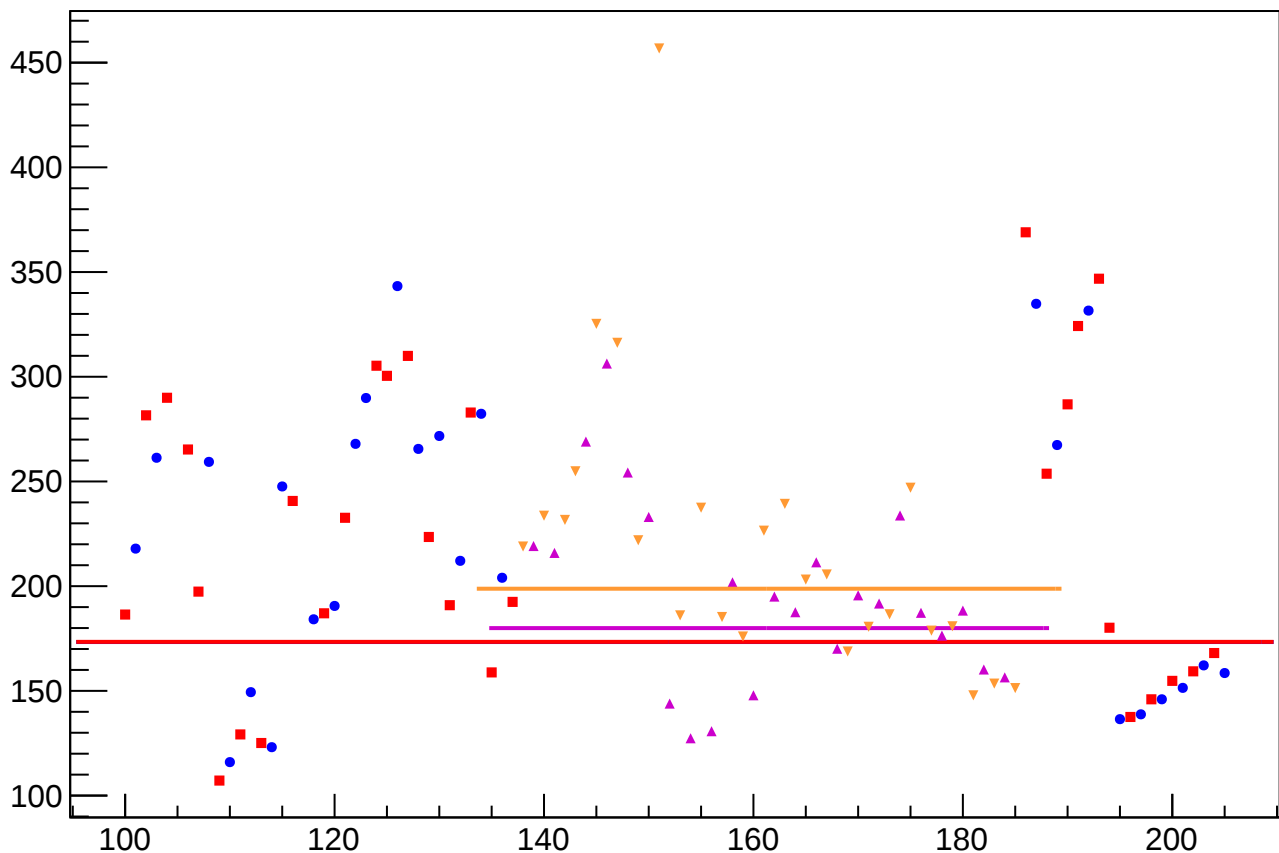
Left In: -35.996 $\pm$ 45.180 χ^2 /NDF: 6.1/22

+ sign -11.311 $\pm$ 34.823 χ^2 /NDF: 24.0/50

All: -9.973 $\pm$ 24.074 χ^2 /NDF: 39.7/103

- sign -8.748 $\pm$ 33.319 χ^2 /NDF: 15.6/52

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 173.325+/-0.036 χ^2/NDF : 2080245.0/25

Left Out: 198.784+/-0.034 χ^2/NDF :1758481.8/24

Right Out: 173.405+/-0.035 χ^2/NDF : 2738241.6/29

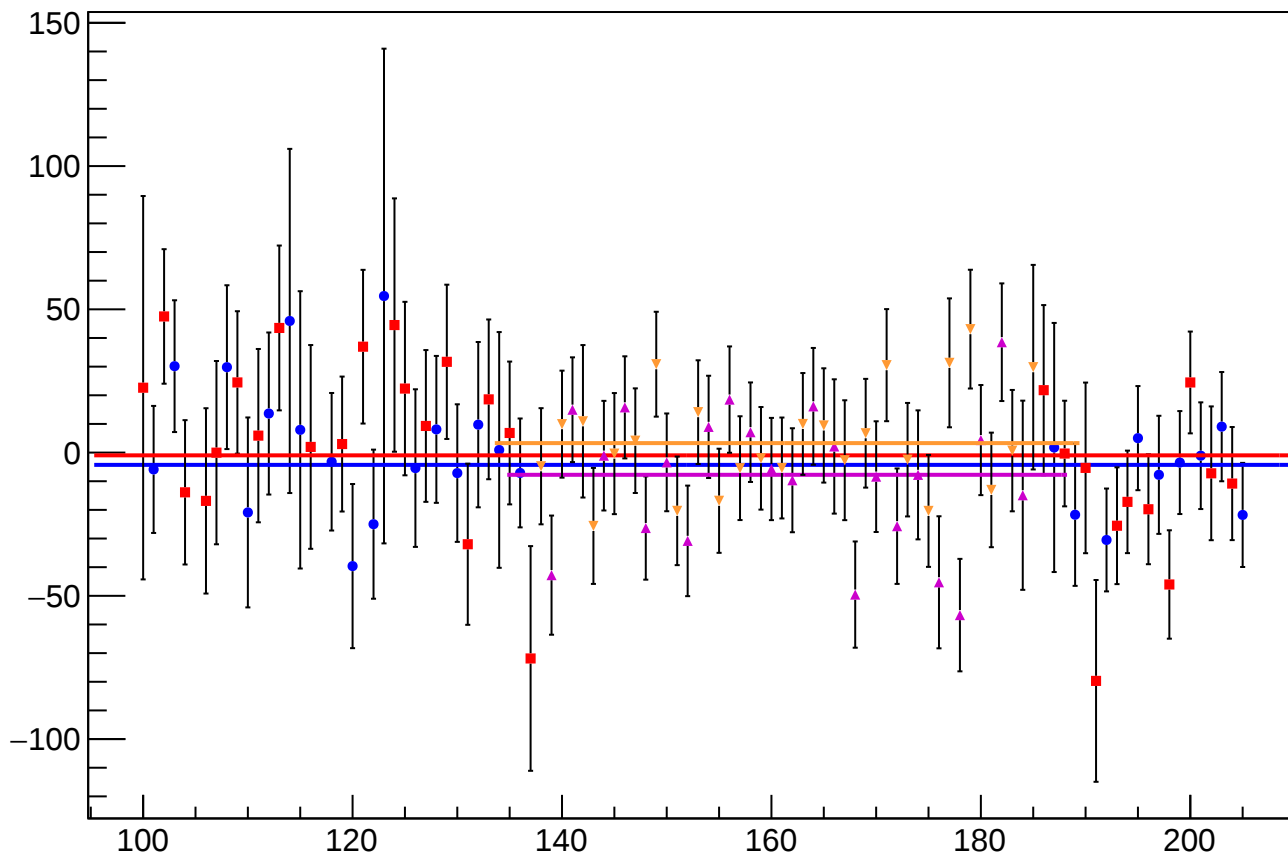
Left In: 179.972+/-0.032 χ^2/NDF :1575888.3/22

+ sign 186.698+/-0.025 χ^2/NDF : 4105296.6/50

All: 181.623+/-0.017 χ^2/NDF : 8520064.1/103

- sign 176.977+/-0.024 χ^2/NDF : 4333405.1/52

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -4.291 ± 4.761 χ^2/NDF : 12.6/25

Left Out: 3.307 ± 3.954 χ^2/NDF : 18.7/24

Right Out: -0.964 ± 4.598 χ^2/NDF : 35.7/29

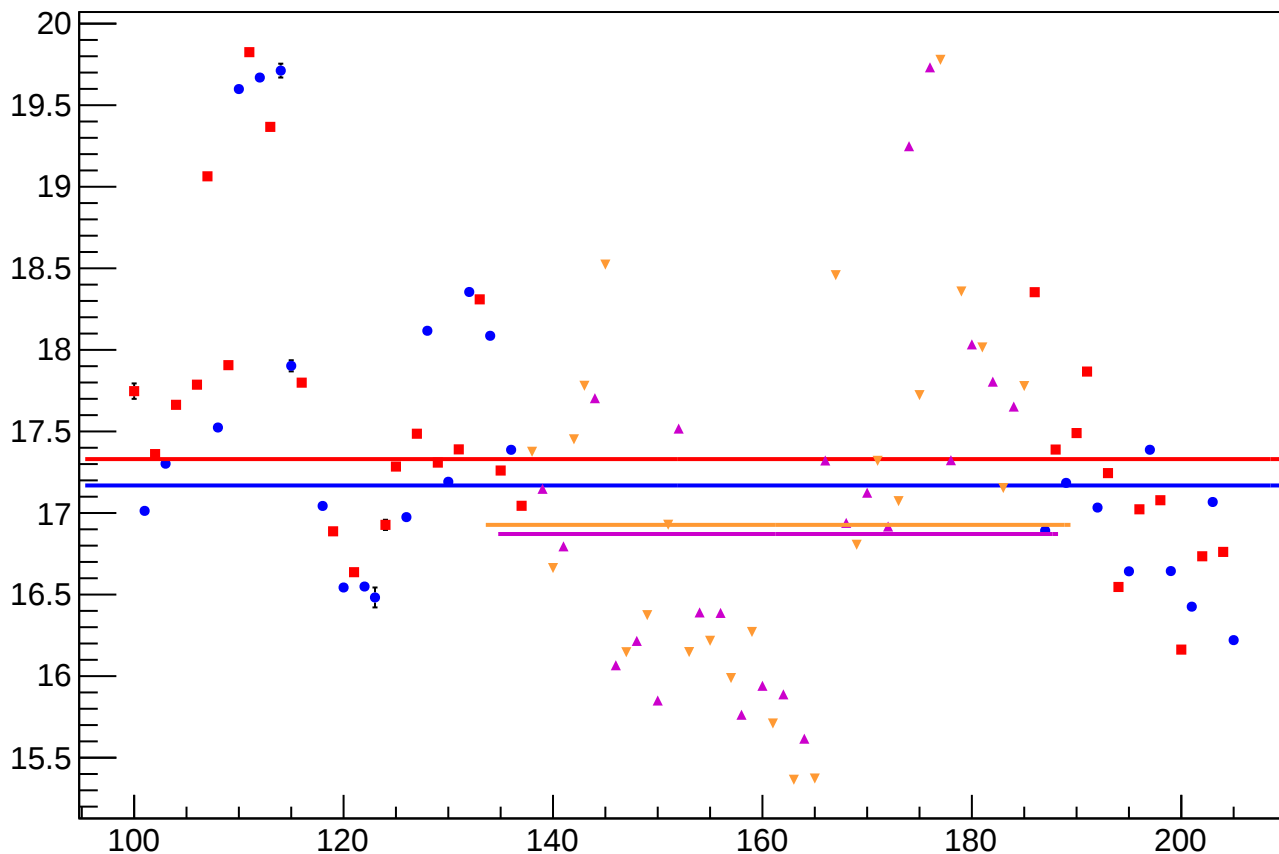
Left In: -7.756 ± 4.061 χ^2/NDF : 34.3/22

+ sign 0.206 ± 3.042 χ^2/NDF : 32.8/50

All: -2.285 ± 2.152 χ^2/NDF : 105.3/103

- sign -4.781 ± 3.044 χ^2/NDF : 71.1/52

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.169 $\pm$ 0.003 χ^2 /NDF: 53136.9/25

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

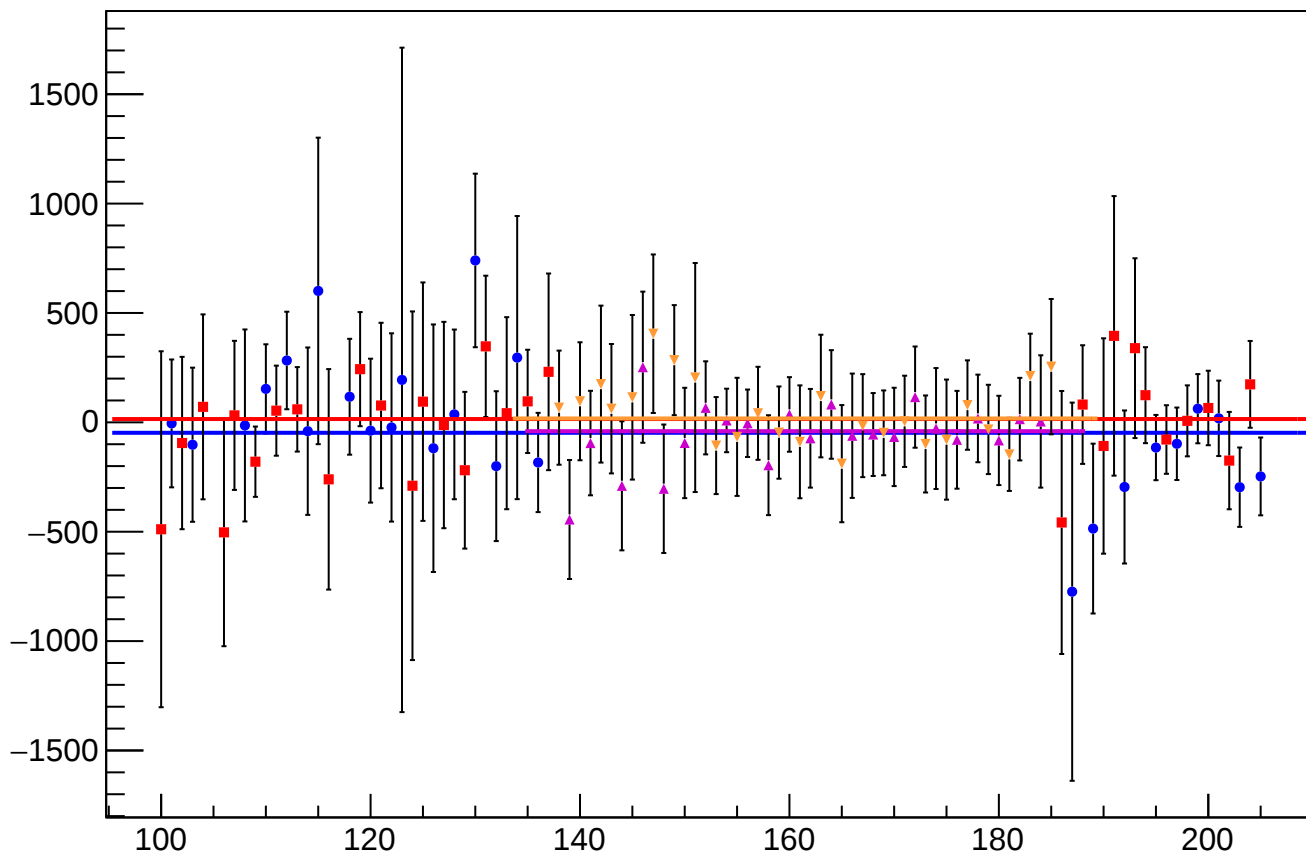
Left In: 16.871 $\pm$ 0.003 χ^2 /NDF:117993.8/22

+ sign 17.026 $\pm$ 0.002 χ^2 /NDF: 194716.2/50

All: 17.049 $\pm$ 0.002 χ^2 /NDF: 380048.2/103

- 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: -47.773 ± 50.838 χ^2/NDF : 15.9/25

Left Out: 17.828 ± 48.547 χ^2/NDF : 7.5/24

Right Out: 15.122 ± 49.758 χ^2/NDF : 9.9/29

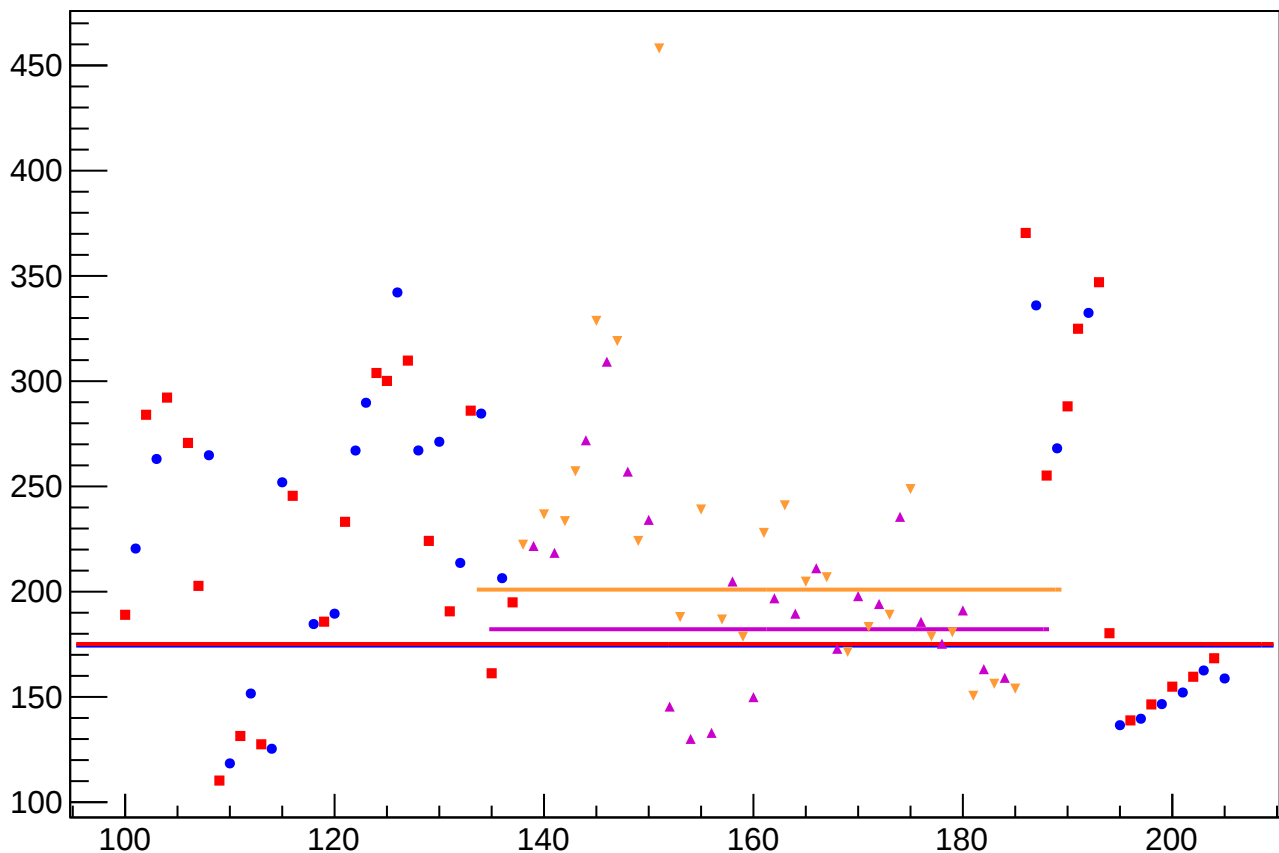
Left In: -40.355 ± 45.689 χ^2/NDF : 6.6/22

+ sign -13.461 ± 35.110 χ^2/NDF : 24.2/50

All: -14.251 ± 24.295 χ^2/NDF : 41.4/103

- 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: 174.404 $\pm$ 0.036 χ^2/NDF : 2065400.2/25

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

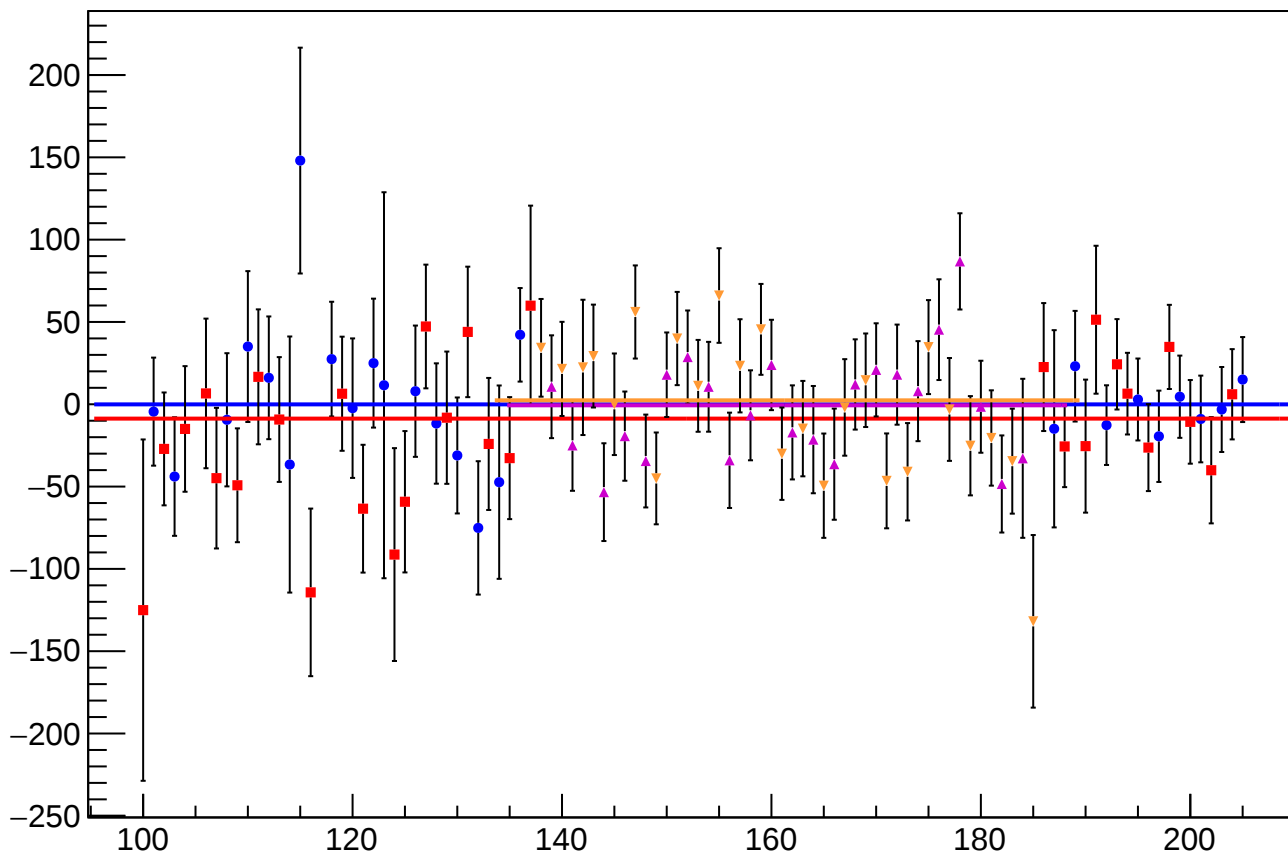
Left In: 182.158 $\pm$ 0.032 χ^2/NDF : 1535922.8/22

+ sign 188.307 $\pm$ 0.025 χ^2/NDF : 4078660.6/50

All: 183.433 $\pm$ 0.017 χ^2/NDF : 8386410.6/103

- 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: -0.064 ± 6.720 $\chi^2/\text{NDF}: 17.3/25$

Left Out: 2.390 ± 5.980 $\chi^2/\text{NDF}: 39.1/24$

Right Out: -8.713 ± 6.428 $\chi^2/\text{NDF}: 29.0/29$

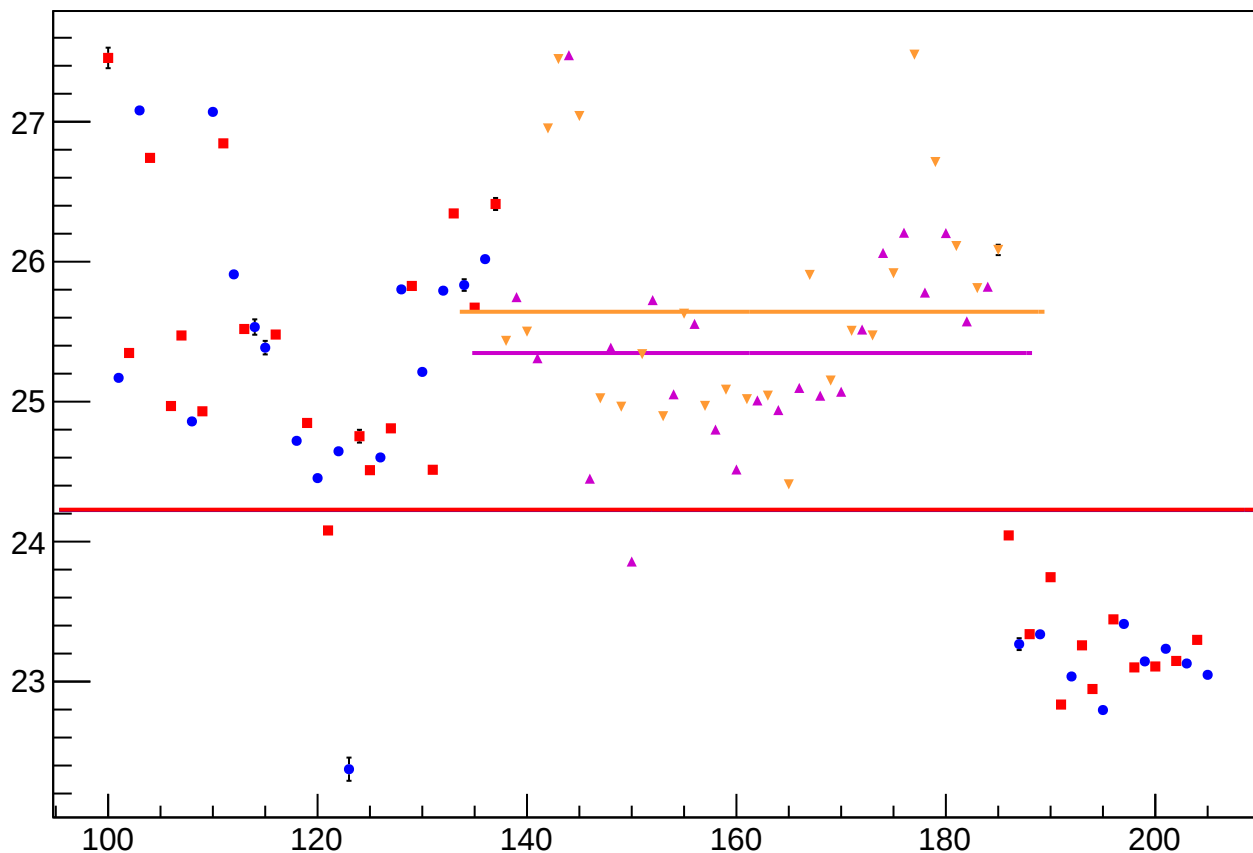
Left In: -0.641 ± 6.091 $\chi^2/\text{NDF}: 27.3/22$

+ sign 1.305 ± 4.467 $\chi^2/\text{NDF}: 56.5/50$

All: -1.607 ± 3.143 $\chi^2/\text{NDF}: 114.4/103$

- sign -4.460 ± 4.422 $\chi^2/\text{NDF}: 57.1/52$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.226 $\pm$ 0.005 χ^2 /NDF: 76154.5/25

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

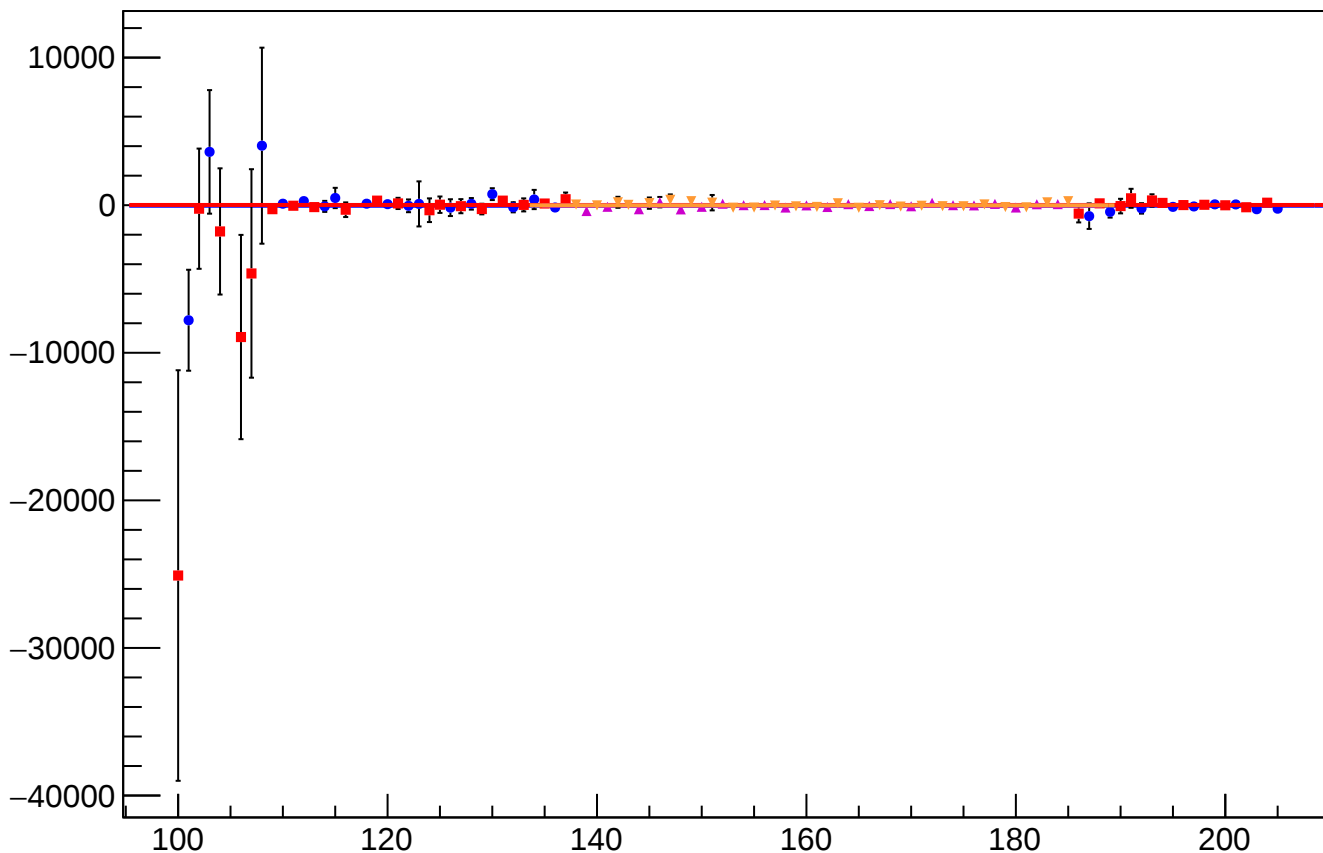
Left In: 25.347 $\pm$ 0.004 χ^2 /NDF:29389.5/22

+ sign 25.016 $\pm$ 0.003 χ^2 /NDF: 160565.5/50

All: 24.916 $\pm$ 0.002 χ^2 /NDF: 293965.1/103

- 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: -37.441 ± 53.513 χ^2/NDF : 20.3/25

Left Out: -11.432 ± 48.263 χ^2/NDF : 8.0/24

Right Out: 15.200 ± 53.417 χ^2/NDF : 15.8/29

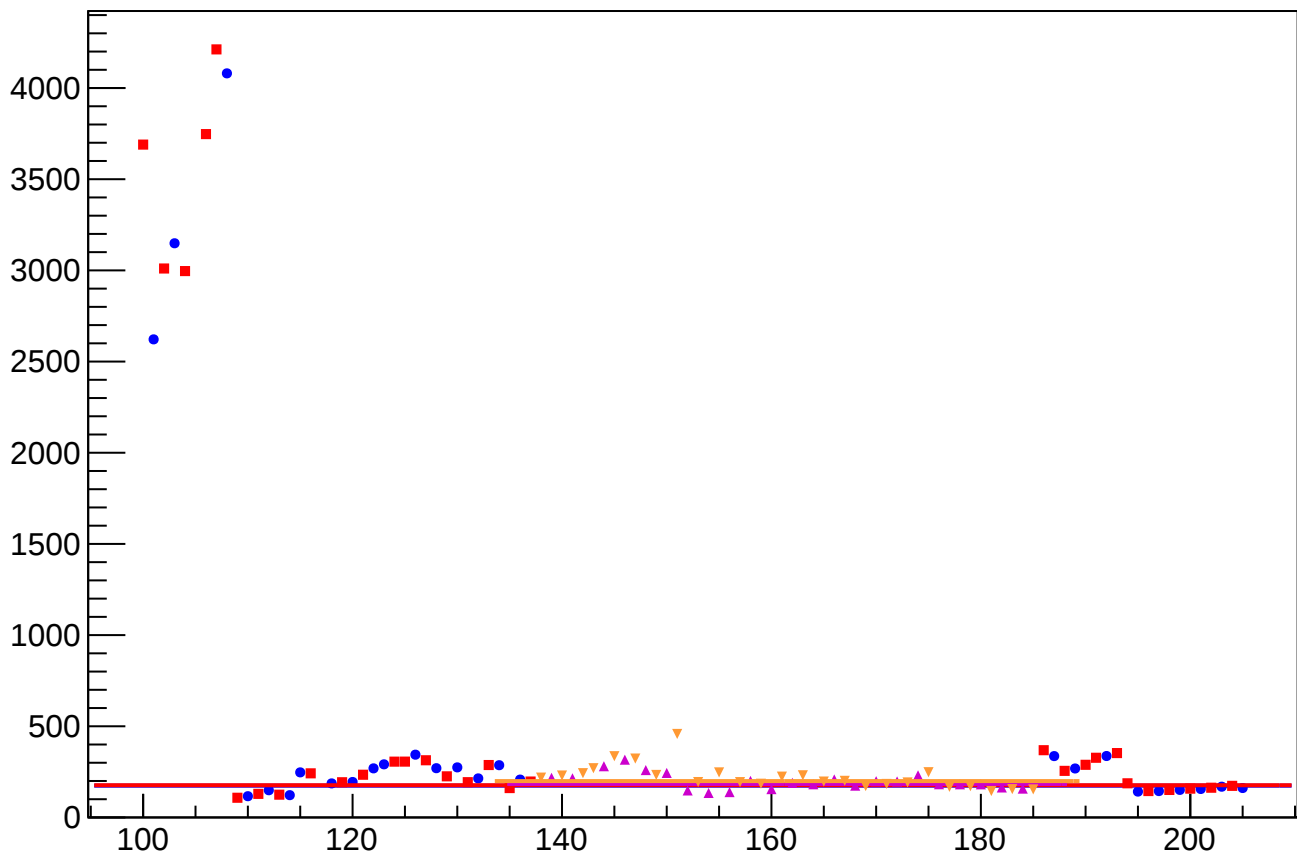
Left In: -27.098 ± 45.999 χ^2/NDF : 7.2/22

+ sign -23.098 ± 35.840 χ^2/NDF : 28.4/50

All: -15.898 ± 24.987 χ^2/NDF : 51.8/103

- sign -9.087 ± 34.856 χ^2/NDF : 23.3/52

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 174.263+/-0.038 χ^2/NDF : 4478850.4/25

Left Out: 199.438+/-0.034 χ^2/NDF : 1877848.7/24

Right Out: 176.701+/-0.038 χ^2/NDF : 5307941.2/29

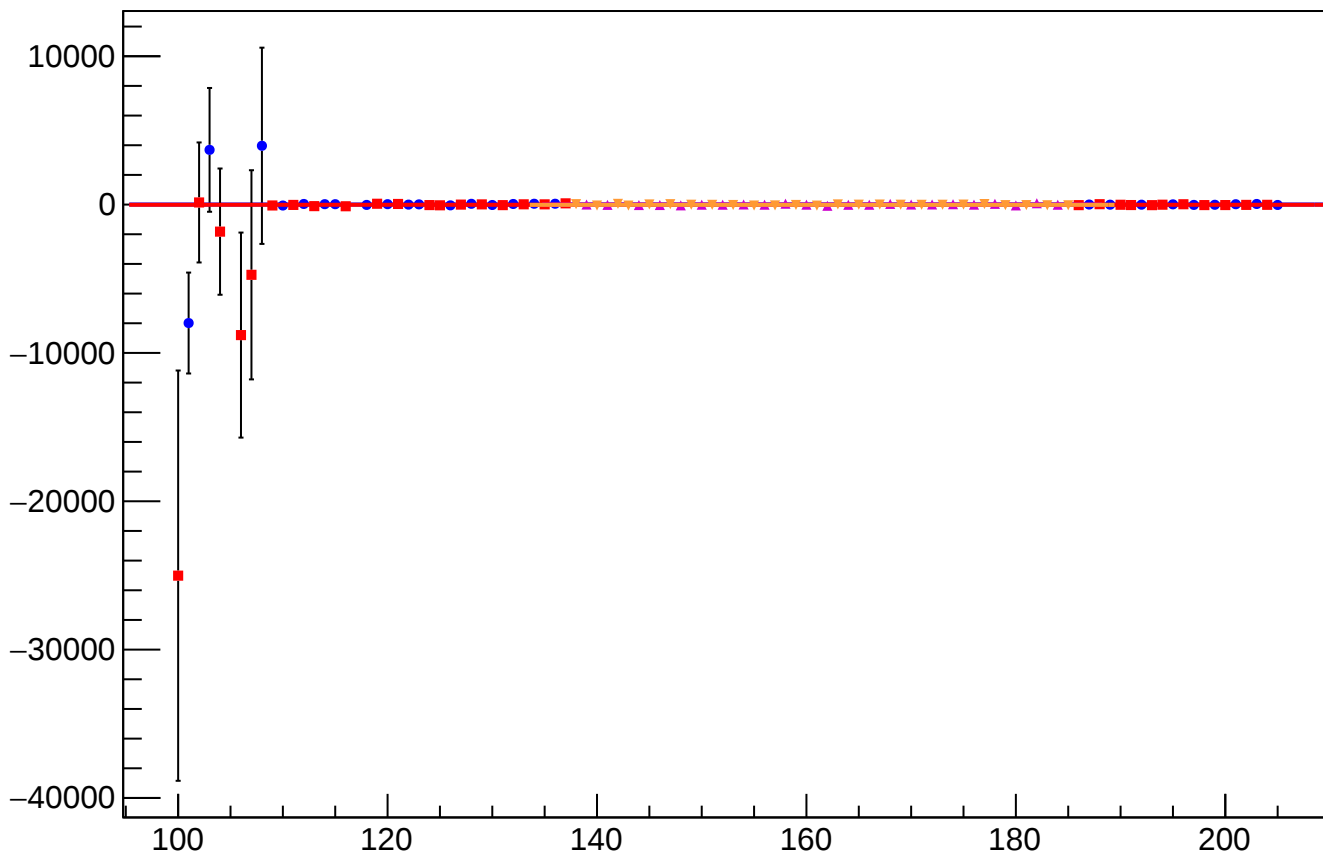
Left In: 183.805+/-0.033 χ^2/NDF : 1412869.6/22

+ sign 188.146+/-0.025 χ^2/NDF : 6600789.0/50

All: 184.360+/-0.018 χ^2/NDF : 13385328.0/10

- sign 180.780+/-0.025 χ^2/NDF : 6741125.2/52

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 5.438 $\pm$ 8.118 χ^2 /NDF: 22.7/25

Left Out: -18.118 $\pm$ 6.704 χ^2 /NDF:21.7/24

Right Out: -13.319 $\pm$ 7.912 χ^2 /NDF: 28.7/29

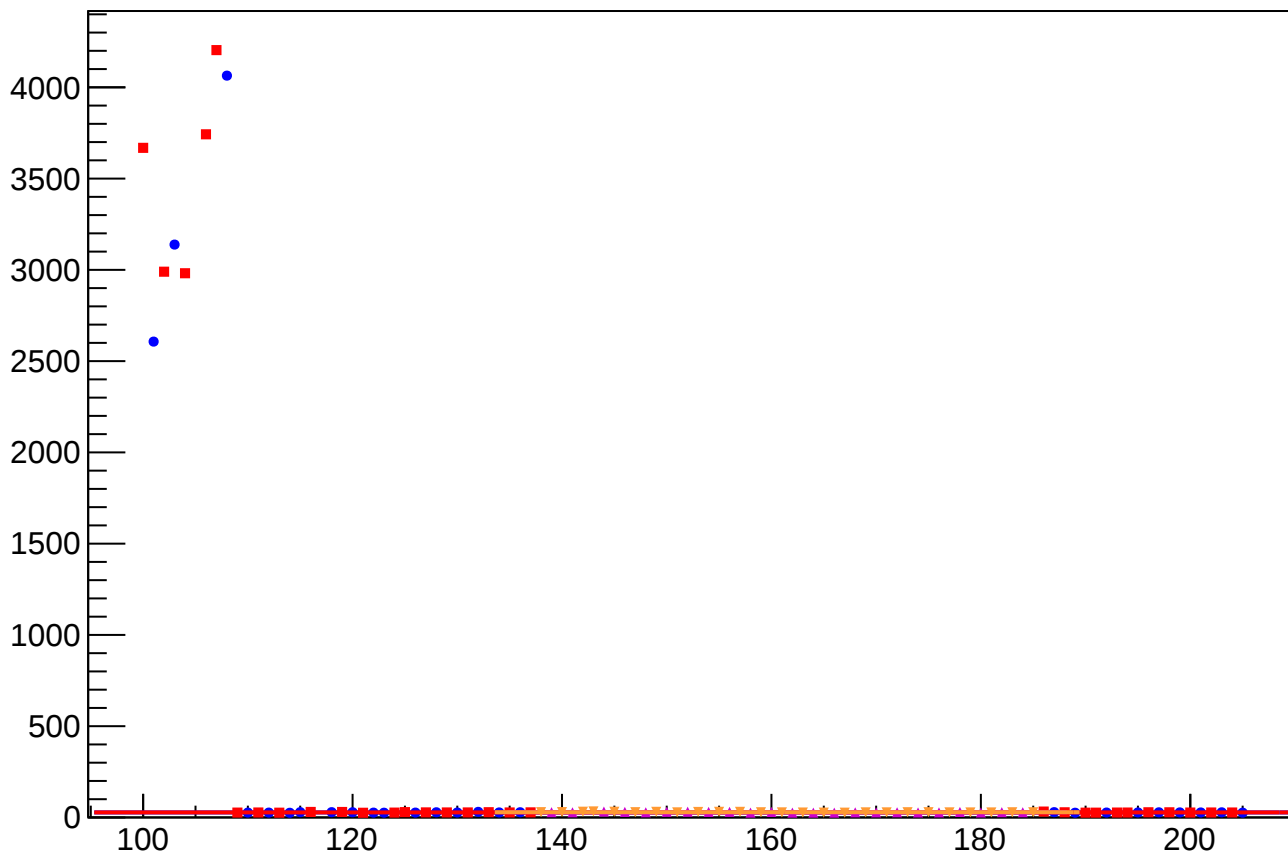
Left In: -1.267 $\pm$ 6.908 χ^2 /NDF:32.0/22

+ sign -8.568 $\pm$ 5.169 χ^2 /NDF: 49.5/50

All: -7.531 $\pm$ 3.667 χ^2 /NDF: 111.6/103

- sign -6.480 $\pm$ 5.204 χ^2 /NDF: 62.0/52

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.540 $\pm$ 0.006 χ^2 /NDF: 3039599.2/25

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

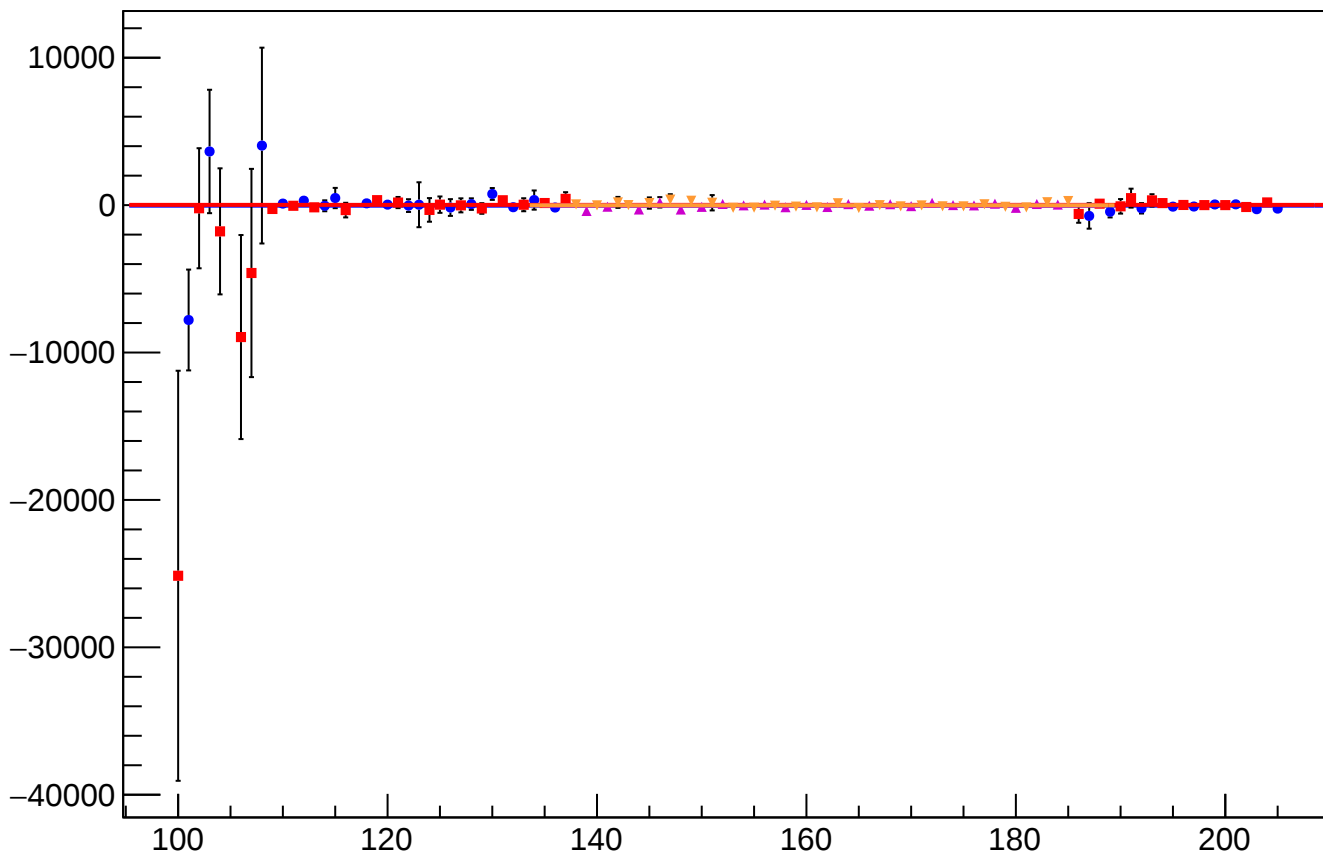
Left In: 28.677 $\pm$ 0.005 χ^2 /NDF: 123814.4/22

+ sign 28.226 $\pm$ 0.004 χ^2 /NDF: 3174074.0/50

All: 28.222 $\pm$ 0.003 χ^2 /NDF: 6821410.2/103

- 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: -35.978 ± 53.346 χ^2/NDF : 20.6/25

Left Out: -13.878 ± 48.155 χ^2/NDF : 8.8/24

Right Out: 17.388 ± 53.265 χ^2/NDF : 16.5/29

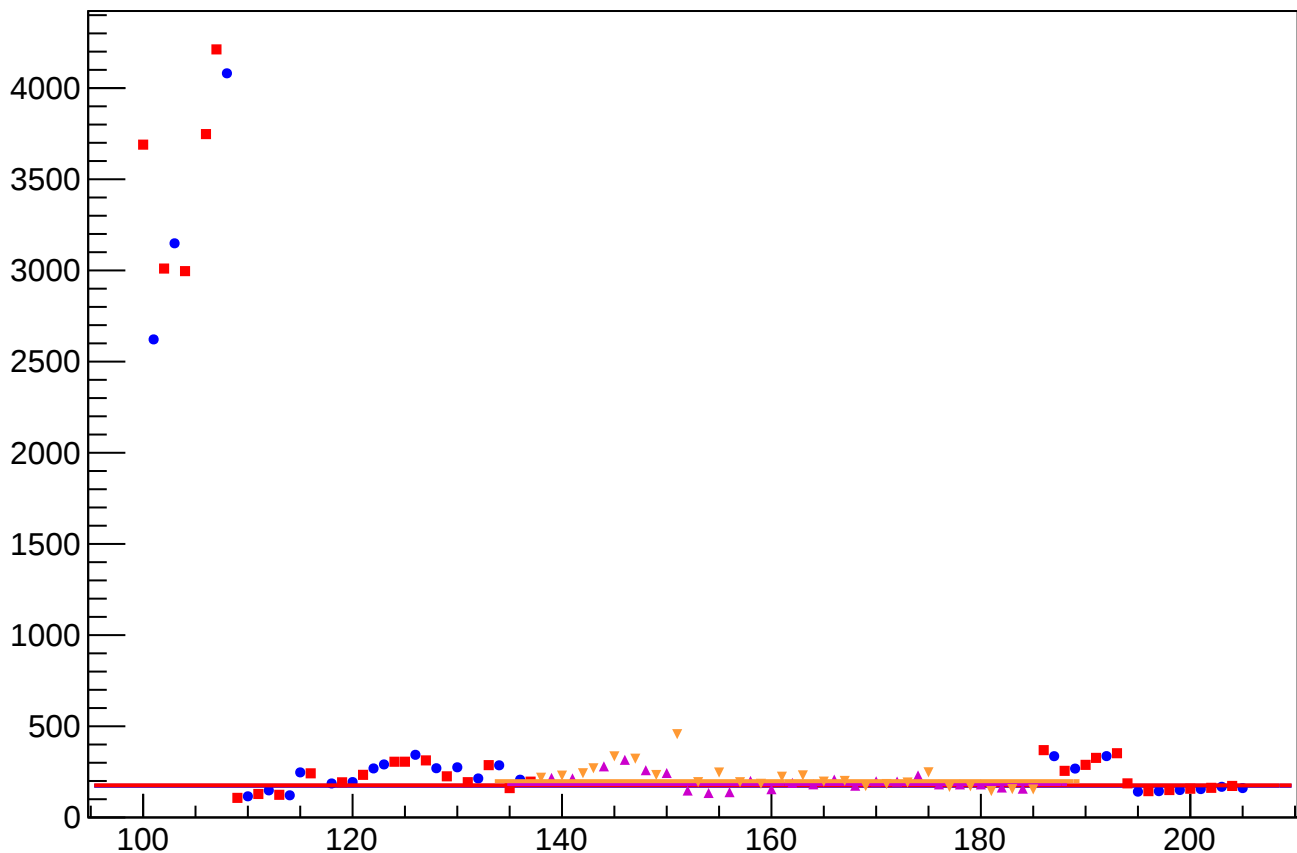
Left In: -27.286 ± 45.907 χ^2/NDF : 7.5/22

+ sign -23.801 ± 35.746 χ^2/NDF : 29.5/50

All: -15.809 ± 24.925 χ^2/NDF : 53.9/103

- sign -8.246 ± 34.774 χ^2/NDF : 24.3/52

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 173.669 $\pm$ 0.038 χ^2 /NDF: 4492020.4/25

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

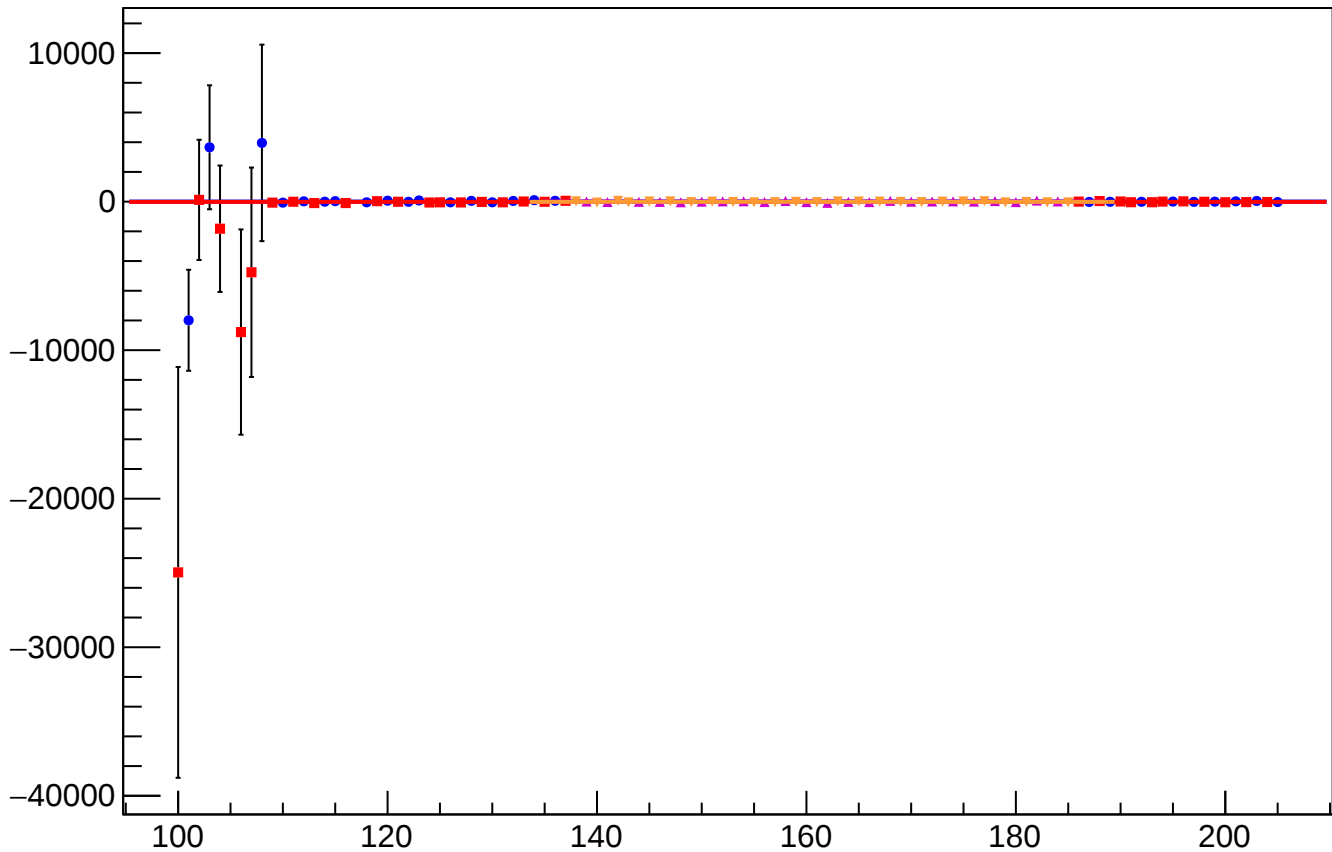
Left In: 183.442 $\pm$ 0.032 χ^2 /NDF: 1412341.8/22

+ sign 187.625 $\pm$ 0.025 χ^2 /NDF: 6618065.9/50

All: 183.875 $\pm$ 0.018 χ^2 /NDF: 13420278.5/10

- 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: 3.835 ± 8.100 χ^2/NDF : 26.9/25

Left Out: -15.829 ± 6.733 χ^2/NDF : 16.5/24

Right Out: -17.076 ± 7.908 χ^2/NDF : 24.5/29

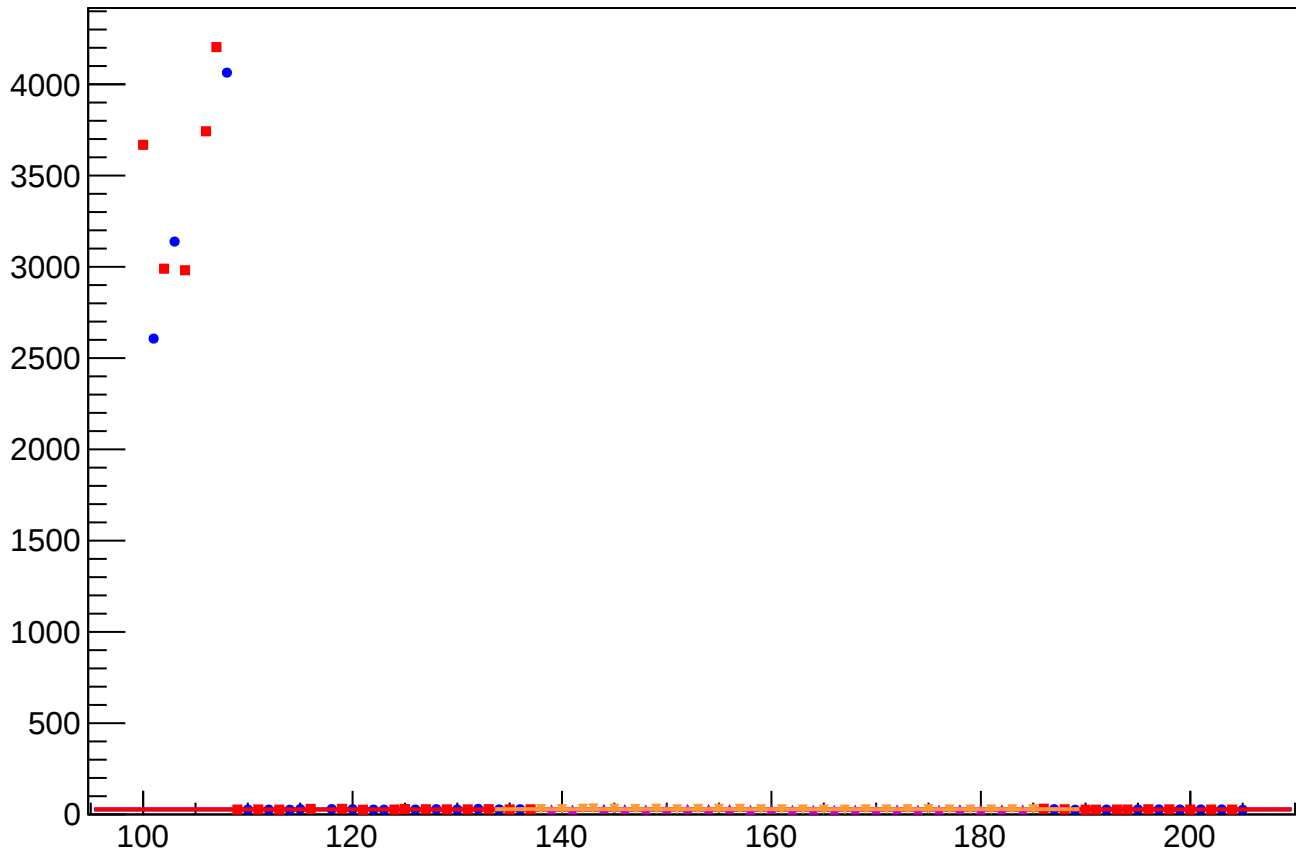
Left In: 0.498 ± 6.937 χ^2/NDF : 26.1/22

+ sign -7.794 ± 5.178 χ^2/NDF : 46.9/50

All: -7.472 ± 3.674 χ^2/NDF : 100.3/103

- sign -7.145 ± 5.215 χ^2/NDF : 53.4/52

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.473+/-0.006 χ^2/NDF : 3044832.0/25

Left Out: 28.814+/-0.005 χ^2/NDF : 122153.6/24

Right Out: 27.600+/-0.006 χ^2/NDF : 3502751.6/29

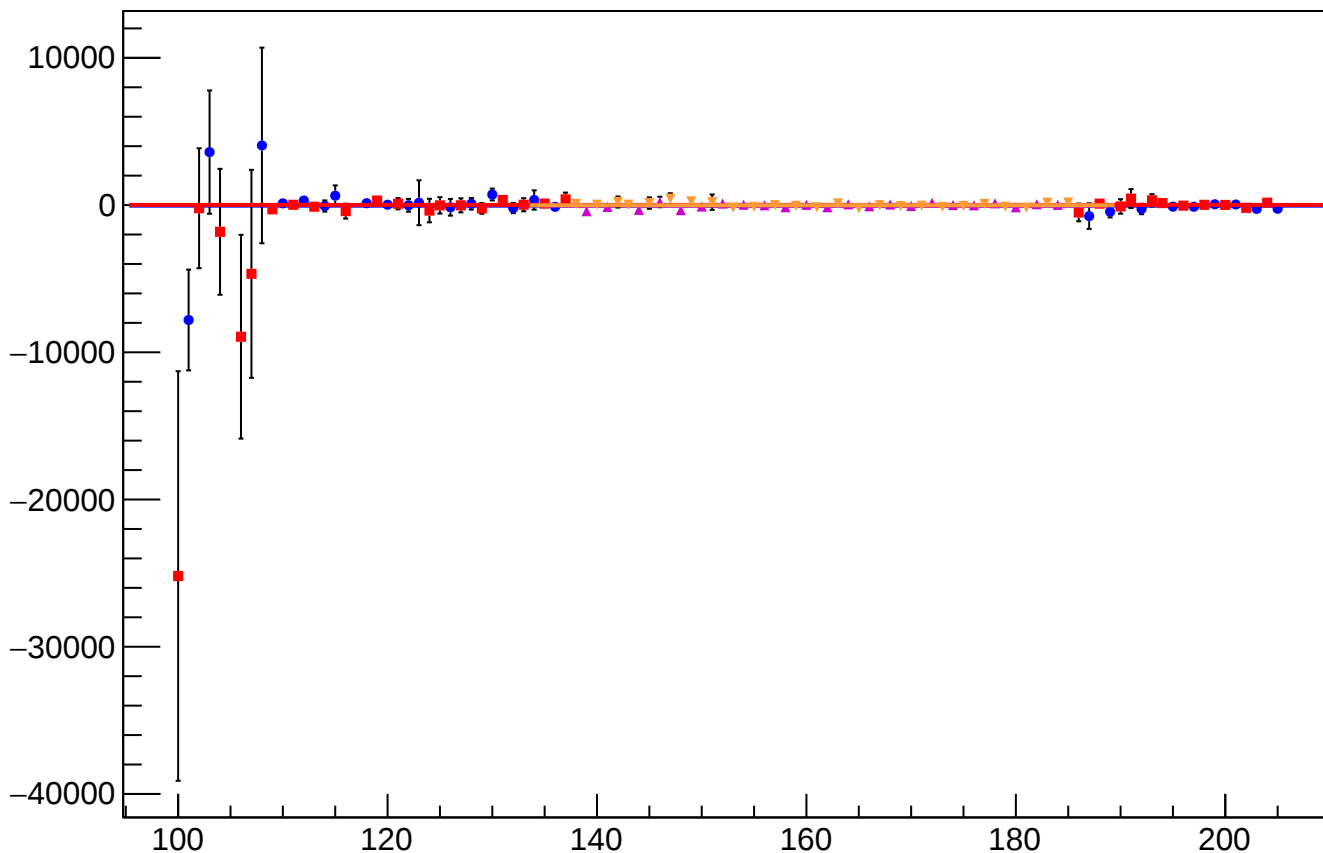
Left In: 28.797+/-0.005 χ^2/NDF : 128279.2/22

+ sign 28.266+/-0.004 χ^2/NDF : 3199398.6/50

All: 28.271+/-0.003 χ^2/NDF : 6856347.2/103

- sign 28.277+/-0.004 χ^2/NDF : 3656944.7/52

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: -37.719 ± 53.721 χ^2/NDF : 20.8/25

Left Out: -13.966 ± 48.735 χ^2/NDF : 8.1/24

Right Out: 10.738 ± 53.690 χ^2/NDF : 15.9/29

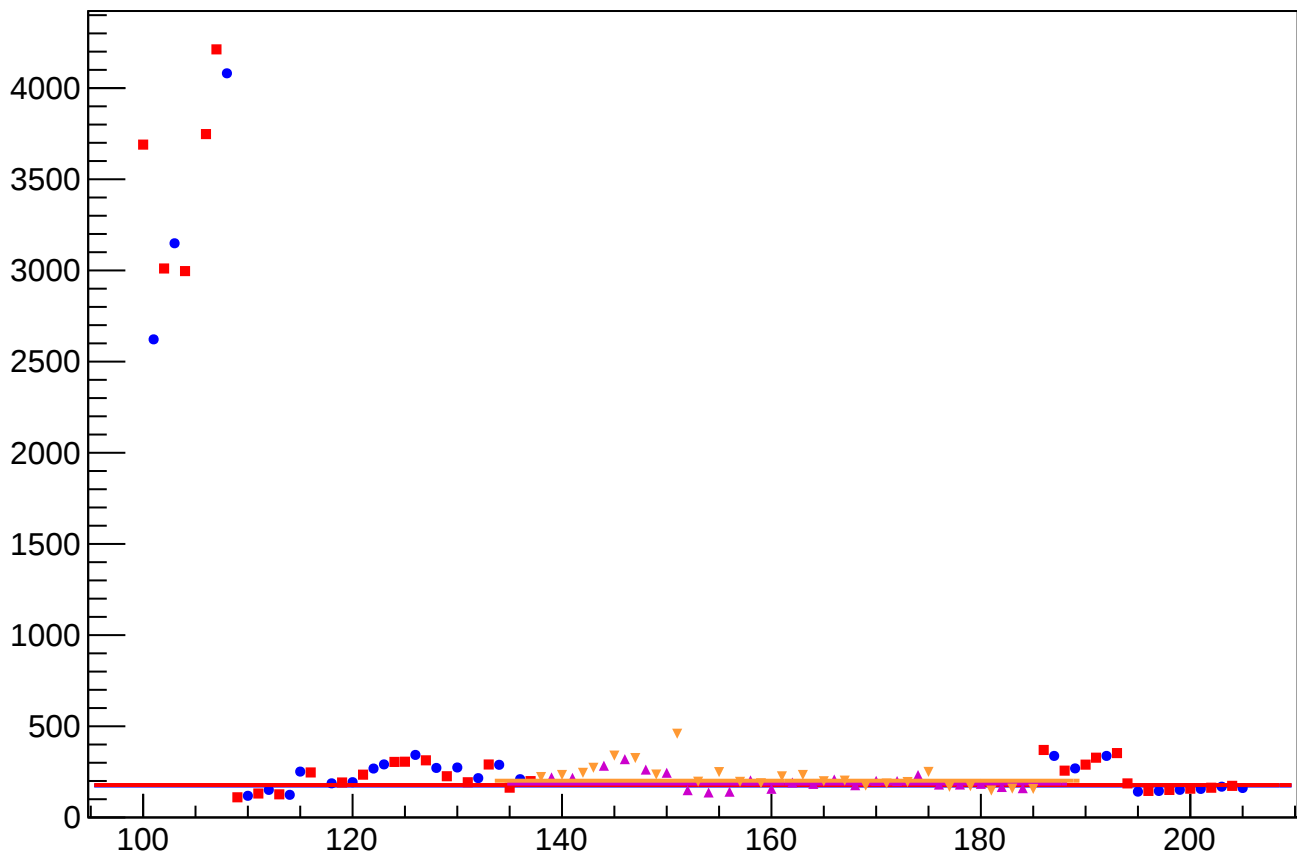
Left In: -31.477 ± 46.483 χ^2/NDF : 7.8/22

+ sign -24.689 ± 36.095 χ^2/NDF : 29.1/50

All: -18.889 ± 25.180 χ^2/NDF : 53.3/103

- sign -13.391 ± 35.142 χ^2/NDF : 24.1/52

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 175.013 $\pm$ 0.038 χ^2 /NDF: 4460247.3/25

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

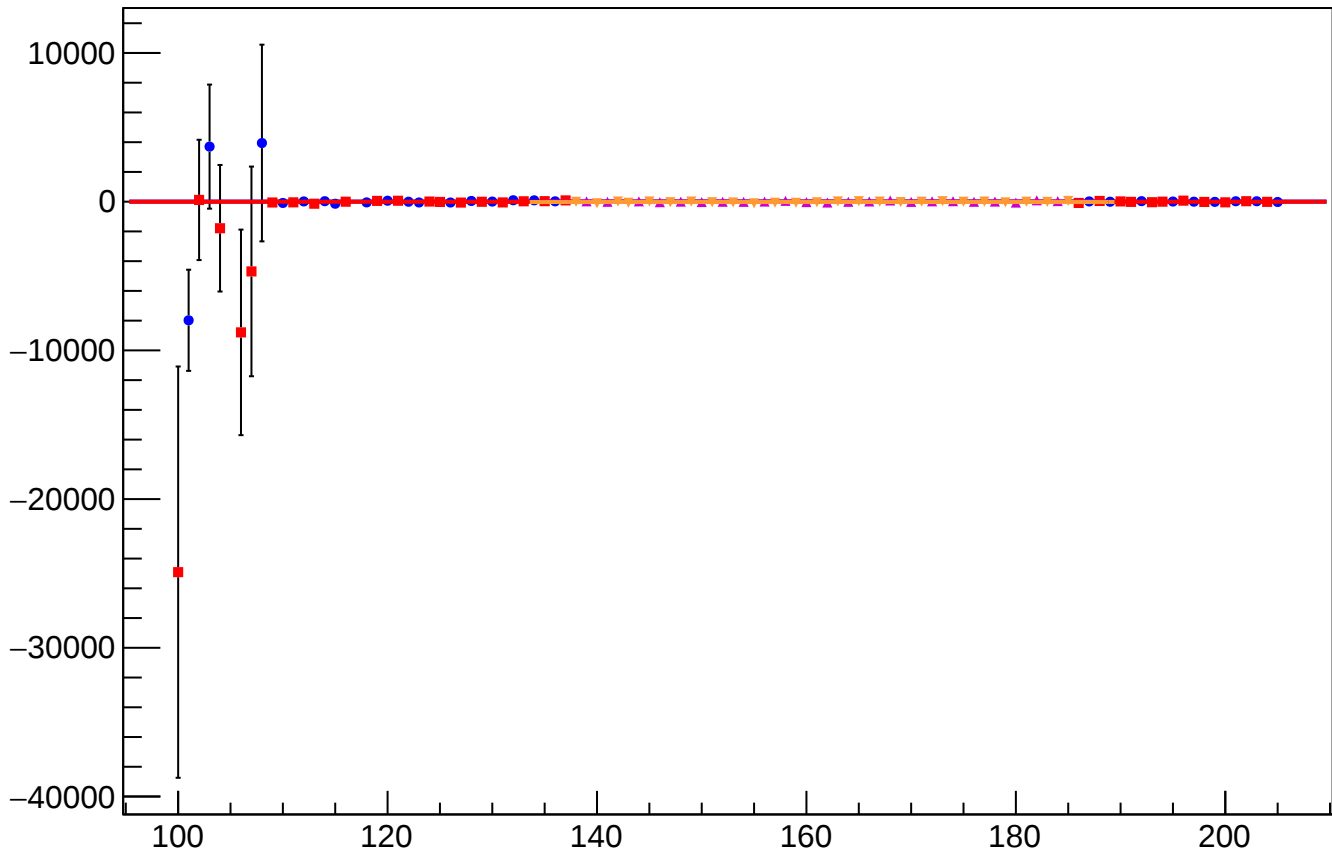
Left In: 185.878 $\pm$ 0.033 χ^2 /NDF:1380877.6/22

+ sign 189.544 $\pm$ 0.026 χ^2 /NDF: 6581900.9/50

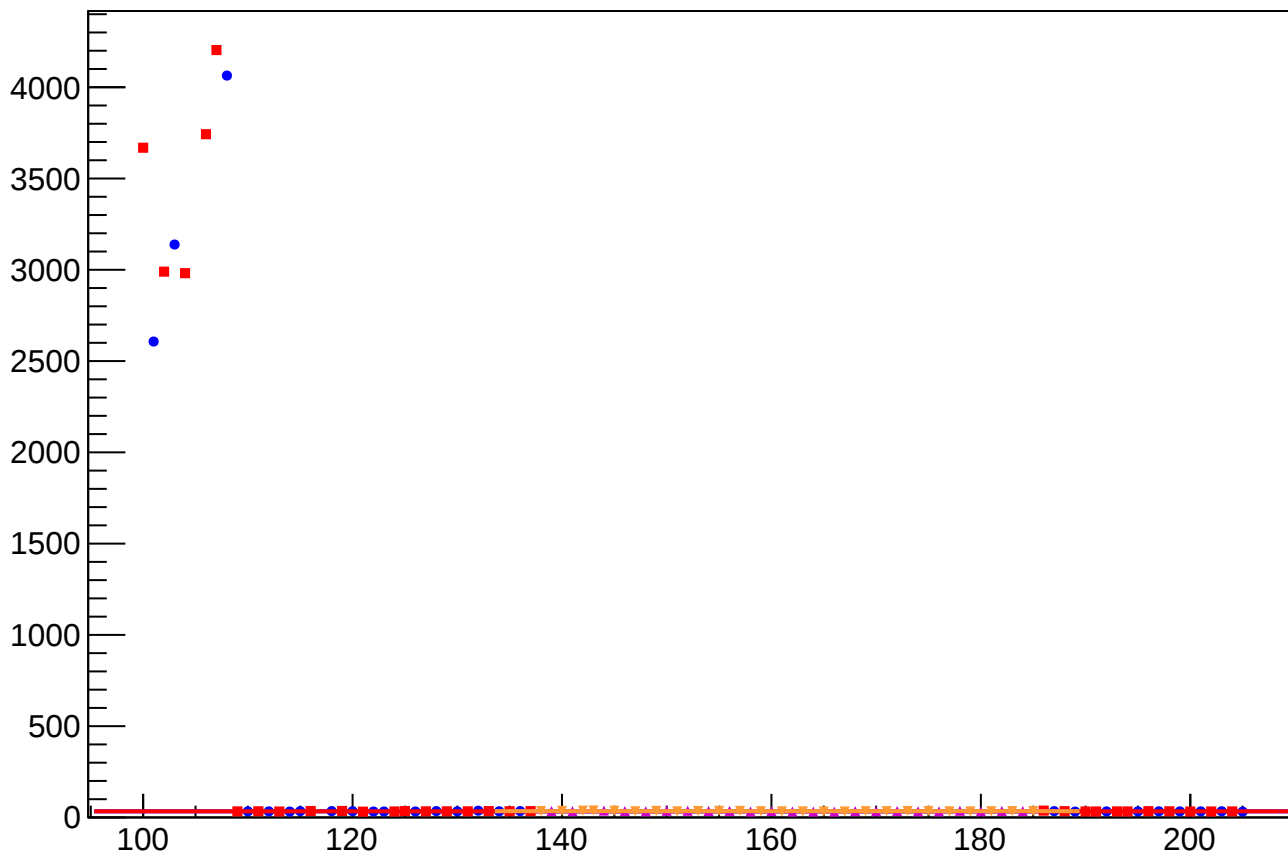
All: 185.887 $\pm$ 0.018 χ^2 /NDF: 13291952.1/10

- sign 182.421 $\pm$ 0.025 χ^2 /NDF: 6670068.4/52

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.548 $\pm$ 0.007 χ^2 /NDF: 3017357.2/25

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

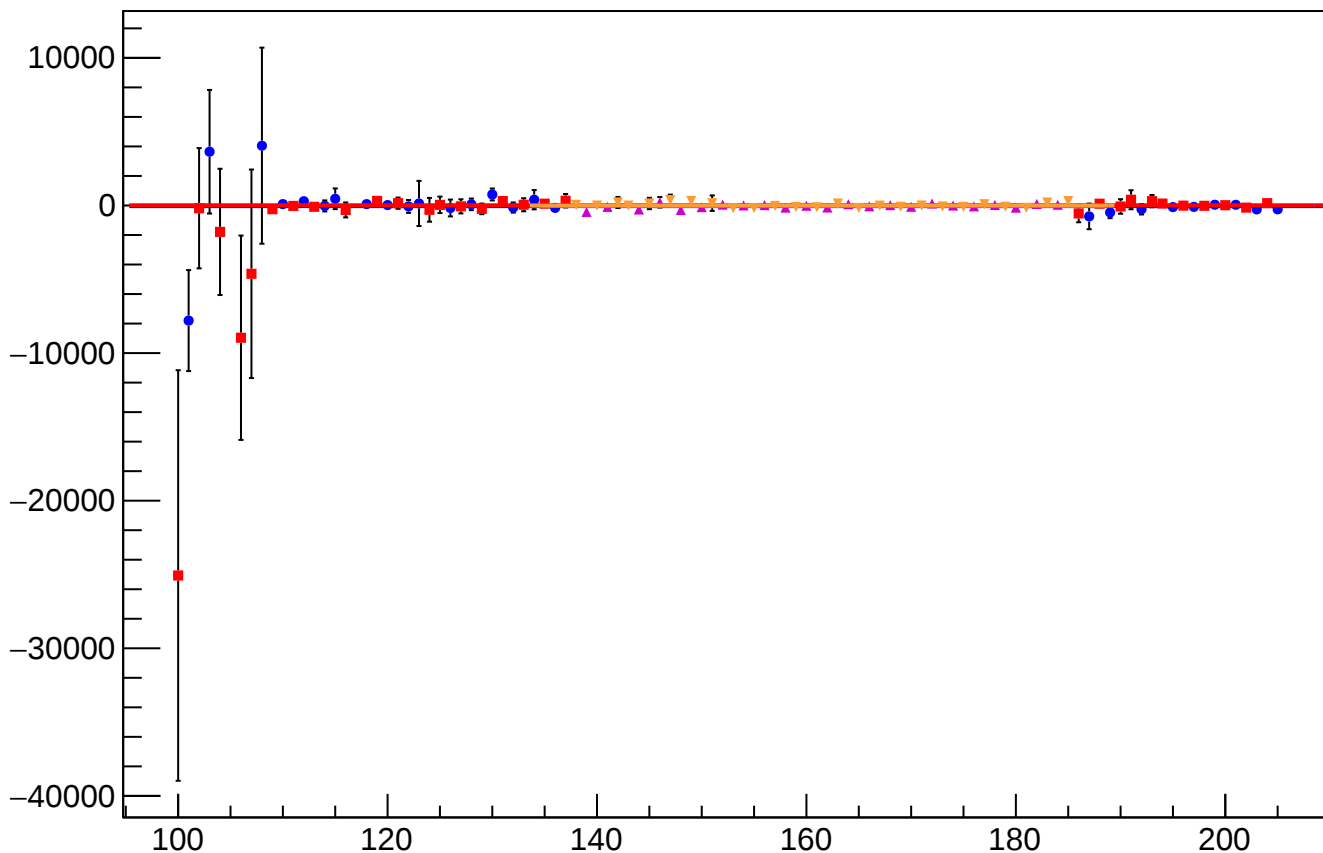
Left In: 34.682 $\pm$ 0.006 χ^2 /NDF: 59834.3/22

+ sign 34.189 $\pm$ 0.004 χ^2 /NDF: 3089261.9/50

All: 34.222 $\pm$ 0.003 χ^2 /NDF: 6627797.2/103

- 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: -42.311 $\pm$ 53.560 χ^2 /NDF: 20.6/25

Left Out: -7.558 $\pm$ 48.662 χ^2 /NDF: 8.8/24

Right Out: 13.900 $\pm$ 53.470 χ^2 /NDF: 14.3/29

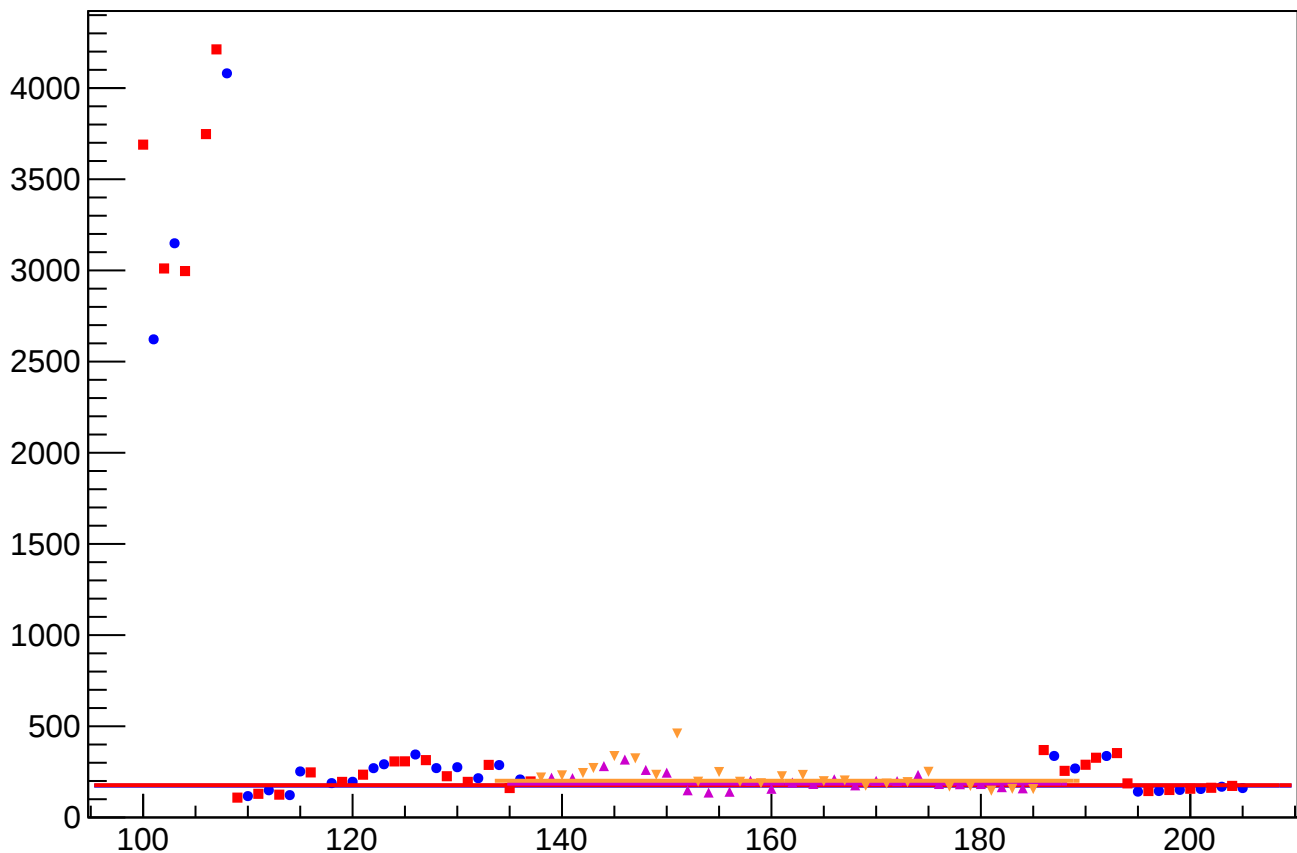
Left In: -34.977 $\pm$ 46.421 χ^2 /NDF: 7.1/22

+ sign -23.273 $\pm$ 36.017 χ^2 /NDF: 29.5/50

All: -18.496 $\pm$ 25.120 χ^2 /NDF: 51.5/103

- sign -13.971 $\pm$ 35.054 χ^2 /NDF: 21.9/52

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 174.381 $\pm$ 0.038 χ^2 /NDF: 4489338.1/25

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

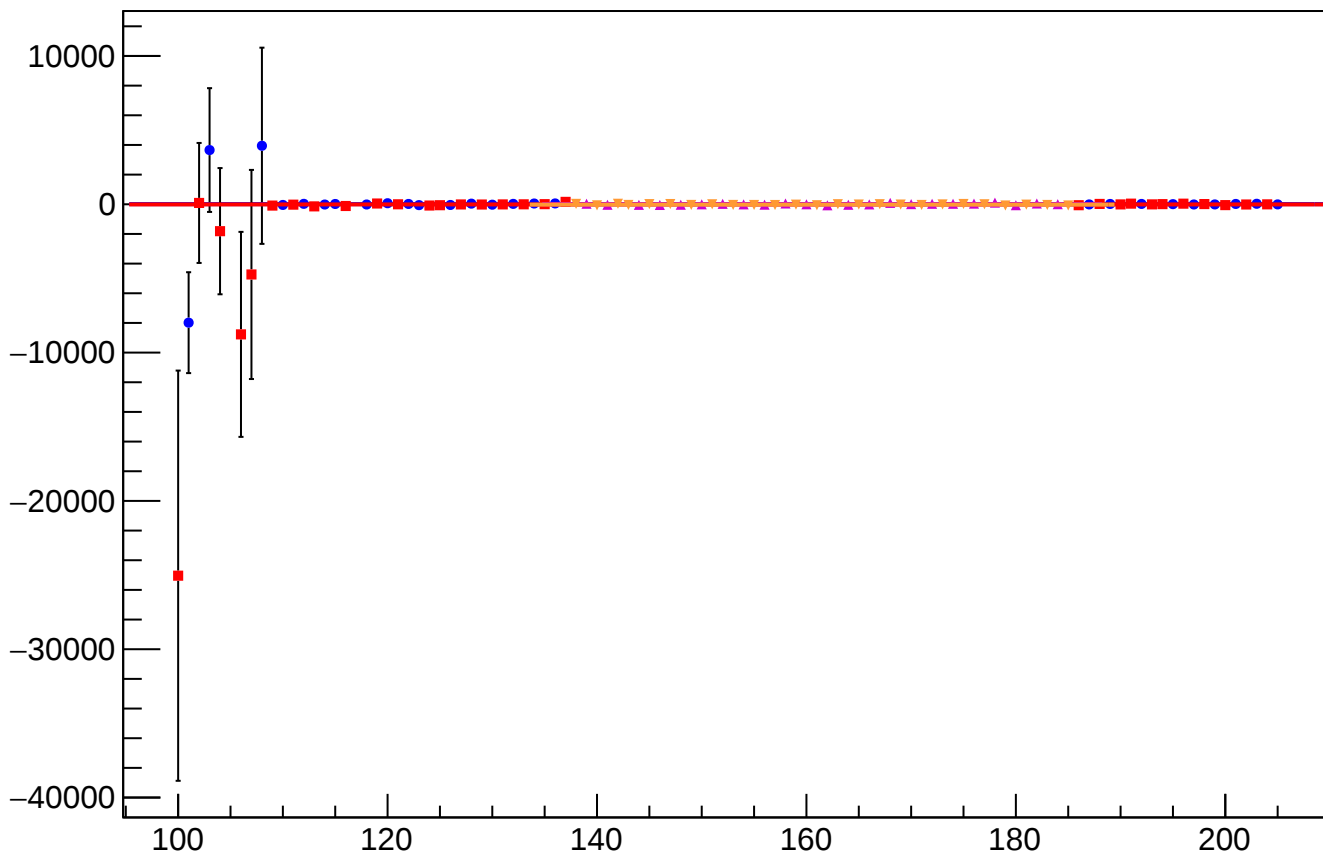
Left In: 185.627 $\pm$ 0.033 χ^2 /NDF: 1371411.2/22

+ sign 189.072 $\pm$ 0.025 χ^2 /NDF: 6612445.4/50

All: 185.370 $\pm$ 0.018 χ^2 /NDF: 13369192.7/10

- 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: 11.274+/-8.950 χ^2 /NDF: 16.9/25

Left Out: -23.320+/-7.352 χ^2 /NDF:18.3/24

Right Out: -9.726+/-8.734 χ^2 /NDF: 36.2/29

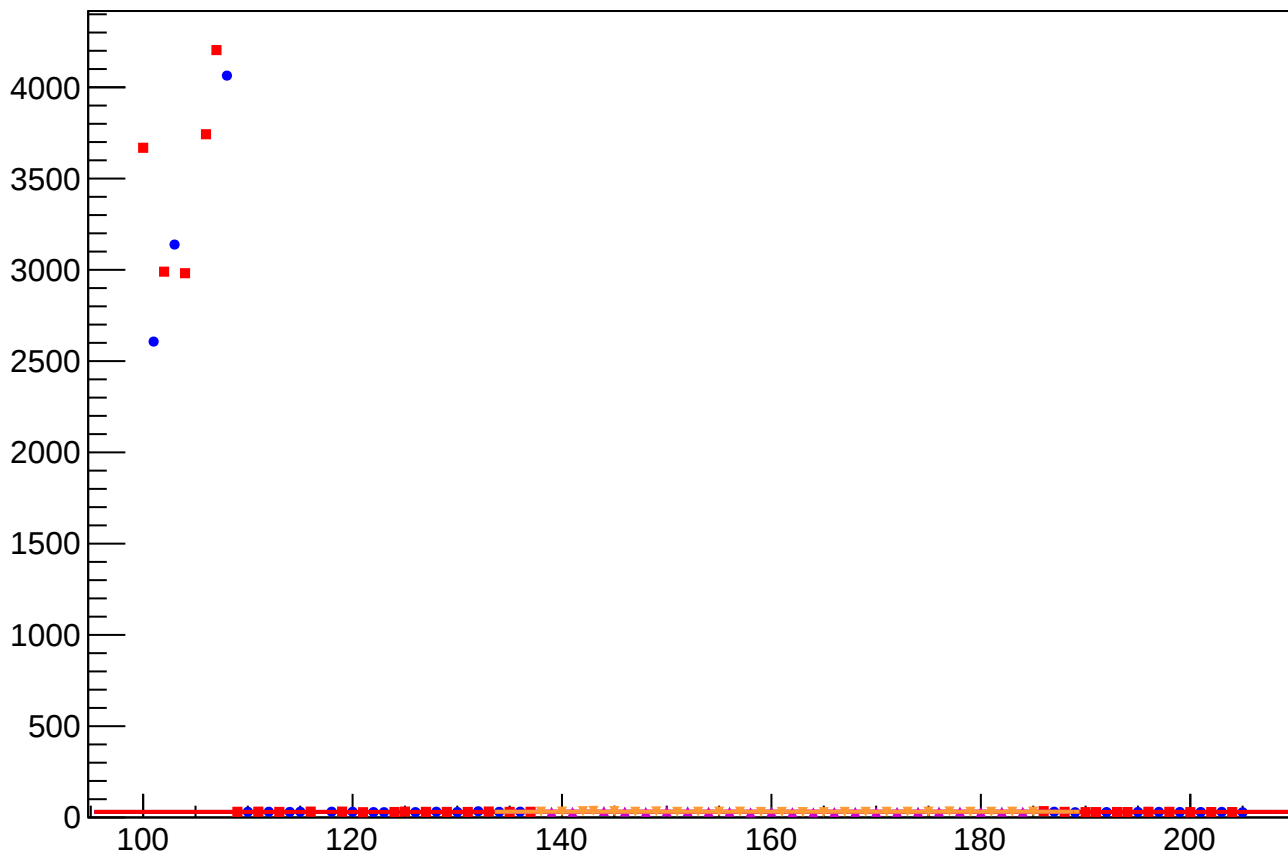
Left In: 6.386+/-7.577 χ^2 /NDF:38.7/22

+ sign -9.382+/-5.681 χ^2 /NDF: 44.2/50

All: -4.991+/-4.032 χ^2 /NDF: 122.2/103

- sign -0.533+/-5.723 χ^2 /NDF: 76.8/52

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.368 $\pm$ 0.006 χ^2 /NDF: 3034759.5/25

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

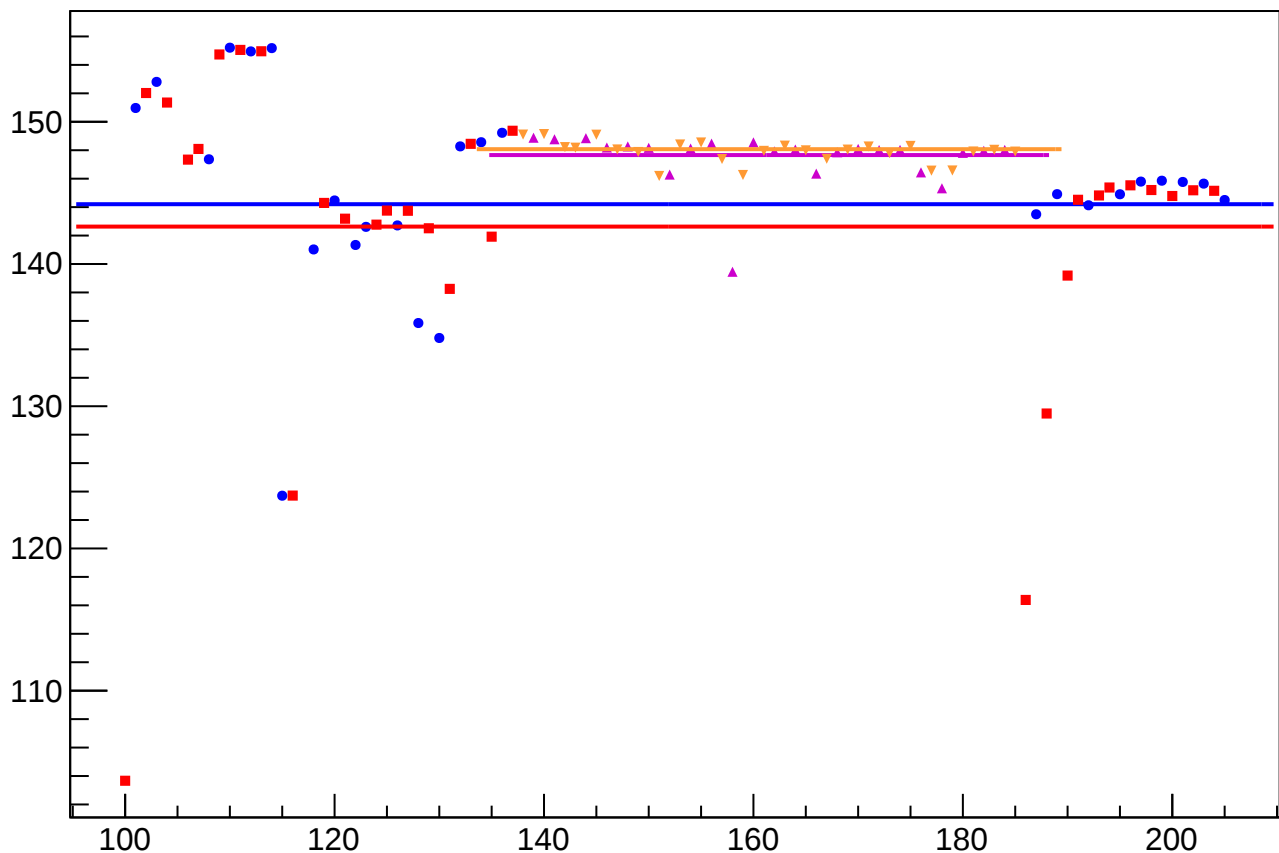
Left In: 31.475 $\pm$ 0.005 χ^2 /NDF: 87797.5/22

+ sign 31.037 $\pm$ 0.004 χ^2 /NDF: 3135417.7/50

All: 31.047 $\pm$ 0.003 χ^2 /NDF: 6719611.6/103

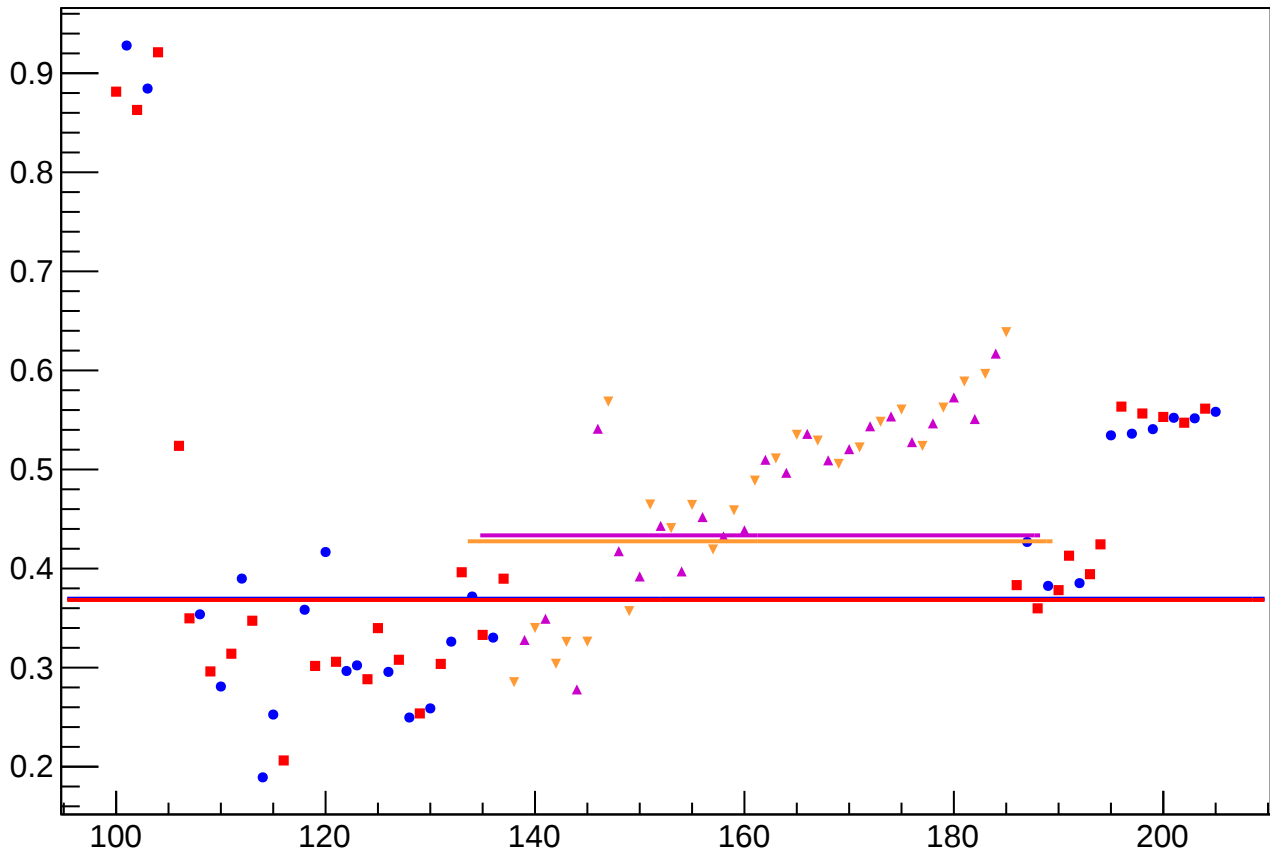
- sign 31.057 $\pm$ 0.004 χ^2 /NDF: 3584181.4/52

yield_bcm_an_ds_mean vs Slug



Right In: 144.205+/-0.000	χ^2/NDF : 3482959528.2/25	+ sign 146.276+/-0.000	χ^2/NDF : 4192728406.1/50
Left Out: 148.074+/-0.000	χ^2/NDF : 65673678.9/24	All: 145.677+/-0.000	χ^2/NDF : 13163024753.
Right Out: 142.631+/-0.000	χ^2/NDF : 7392236268.4/29	- sign 145.088+/-0.000	χ^2/NDF : 8847160277.4/52
Left In: 147.660+/-0.000	χ^2/NDF : 343892338.9/22		

yield_bcm_an_ds_rms vs Slug



Right In: 0.370 $\pm$ 0.000 χ^2 /NDF: 2535712.9/25

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

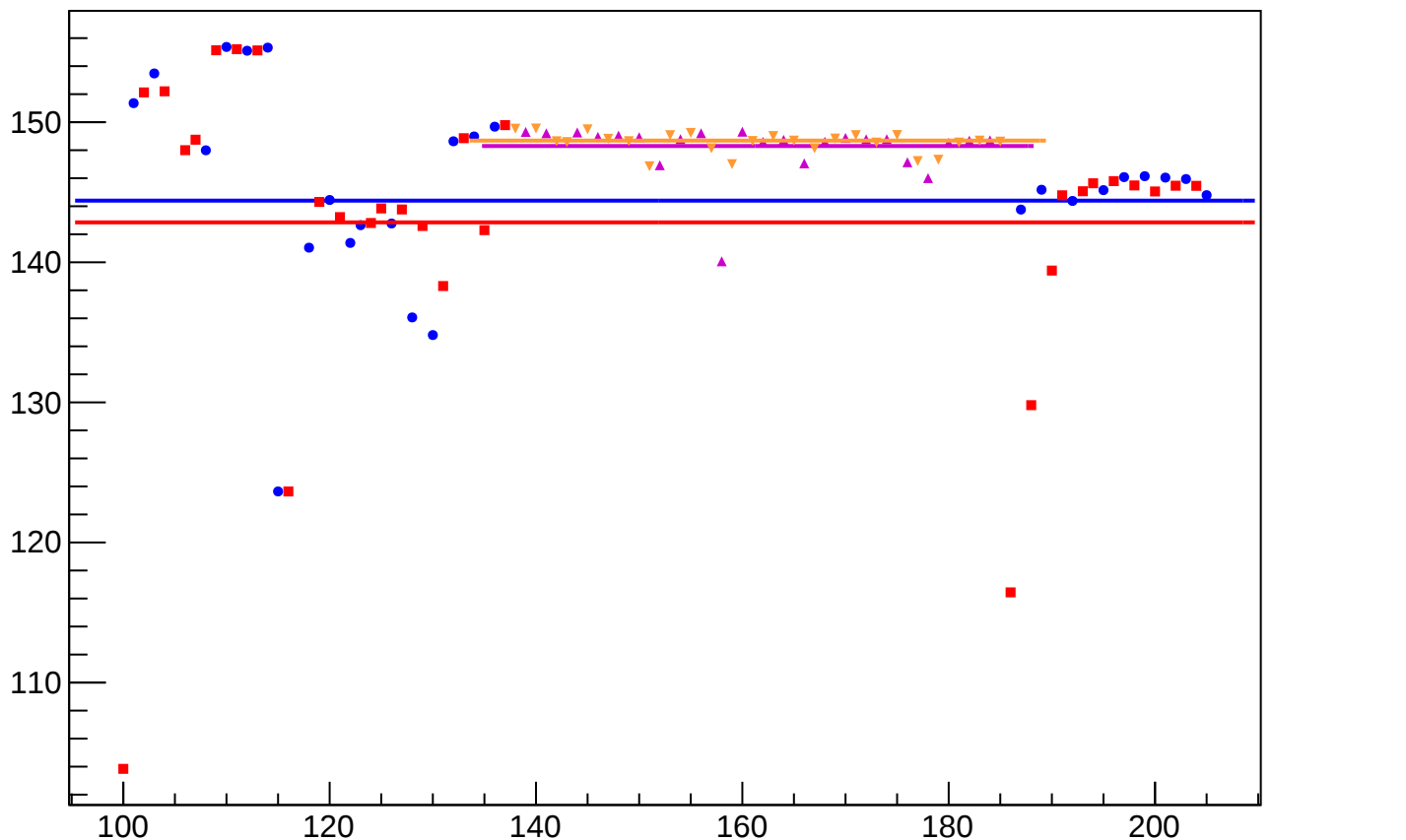
Left In: 0.434 $\pm$ 0.000 χ^2 /NDF:1479367.0/22

+ sign 0.401 $\pm$ 0.000 χ^2 /NDF: 4717502.0/50

All: 0.400 $\pm$ 0.000 χ^2 /NDF: 8892205.1/103

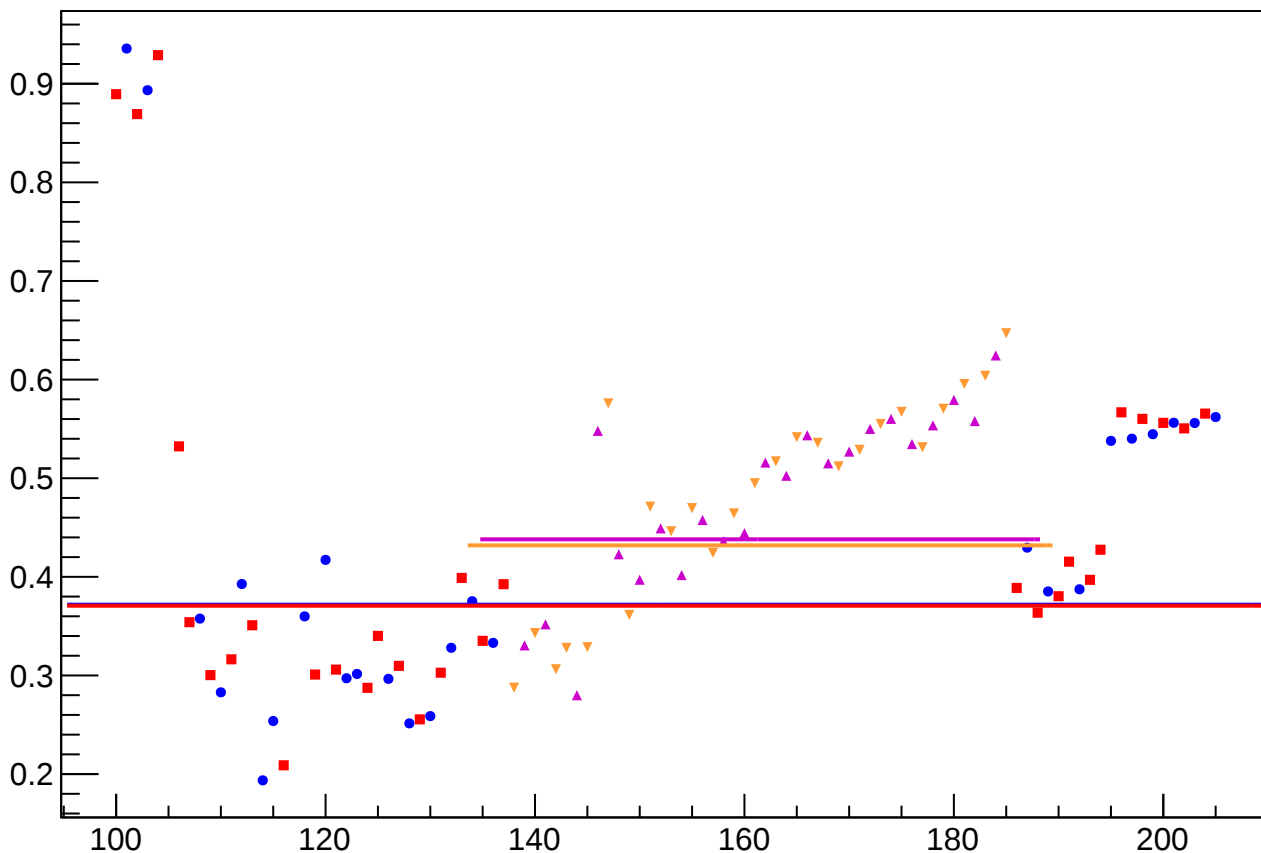
- sign 0.400 $\pm$ 0.000 χ^2 /NDF: 4174669.4/52

yield_bcm_an_ds3_mean vs Slug



Right In: 144.400 $\pm$ 0.000	χ^2 /NDF: 3531104643.6/25	+ sign 146.685 $\pm$ 0.000	χ^2 /NDF: 4361360153.0/50
Left Out: 148.687 $\pm$ 0.000	χ^2 /NDF: 52285197.5/24	All: 146.088 $\pm$ 0.000	χ^2 /NDF: 13435843183.0
Right Out: 142.849 $\pm$ 0.000	χ^2 /NDF: 7340305617.6/29	- sign 145.499 $\pm$ 0.000	χ^2 /NDF: 8954007718.9/52
Left In: 148.298 $\pm$ 0.000	χ^2 /NDF: 332527463.6/22		

yield_bcm_an_ds3_rms vs Slug



Right In: 0.372 ± 0.000 $\chi^2/\text{NDF}: 2542834.8/25$

Left Out: 0.432 ± 0.000 $\chi^2/\text{NDF}: 1924979.0/24$

Right Out: 0.371 ± 0.000 $\chi^2/\text{NDF}: 2326004.7/29$

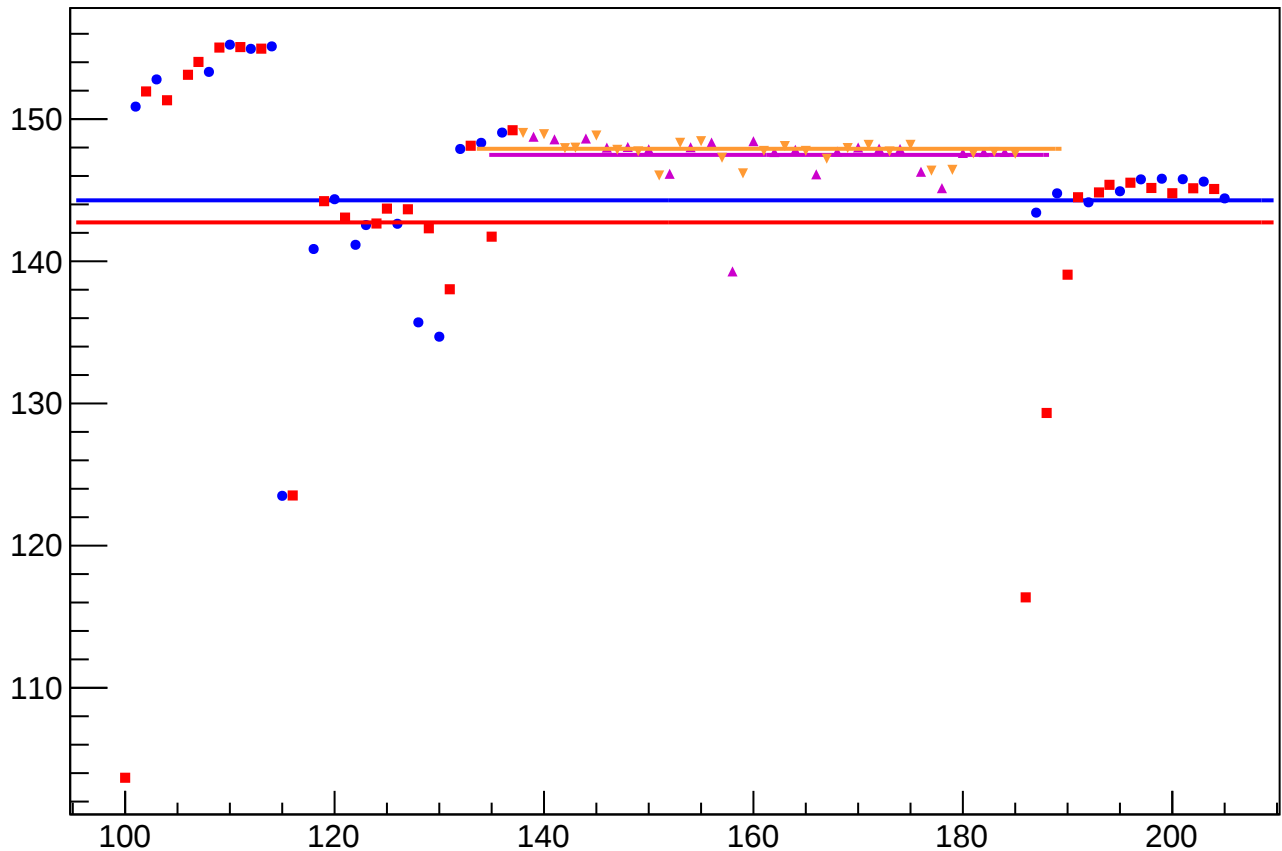
Left In: 0.438 ± 0.000 $\chi^2/\text{NDF}: 1504635.6/22$

+ sign 0.404 ± 0.000 $\chi^2/\text{NDF}: 4774078.6/50$

All: 0.404 ± 0.000 $\chi^2/\text{NDF}: 8995820.4/103$

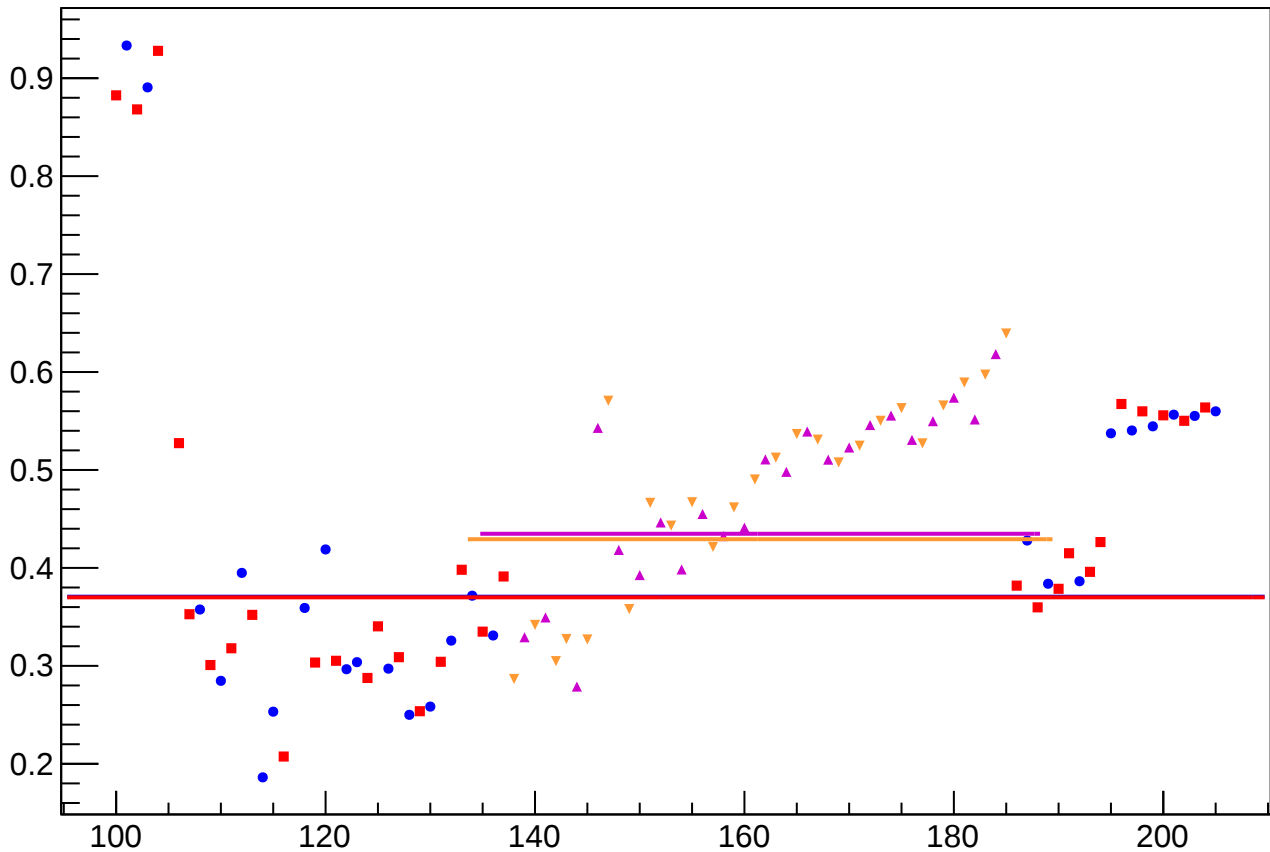
- sign 0.403 ± 0.000 $\chi^2/\text{NDF}: 4221721.3/52$

yield_bcm_an_us_mean vs Slug



Right In: 144.287 $\pm$ 0.000	χ^2 /NDF: 3689821710.6/25	+ sign 146.226 $\pm$ 0.000	χ^2 /NDF: 4315532129.8/50
Left Out: 147.912 $\pm$ 0.000	χ^2 /NDF: 64463426.1/24	All: 145.637 $\pm$ 0.000	χ^2 /NDF: 13531138244.
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: 0.371 $\pm$ 0.000 χ^2 /NDF: 2566207.4/25

Left Out: 0.429 $\pm$ 0.000 χ^2 /NDF:1891709.3/24

Right Out: 0.370 $\pm$ 0.000 χ^2 /NDF: 2326694.8/29

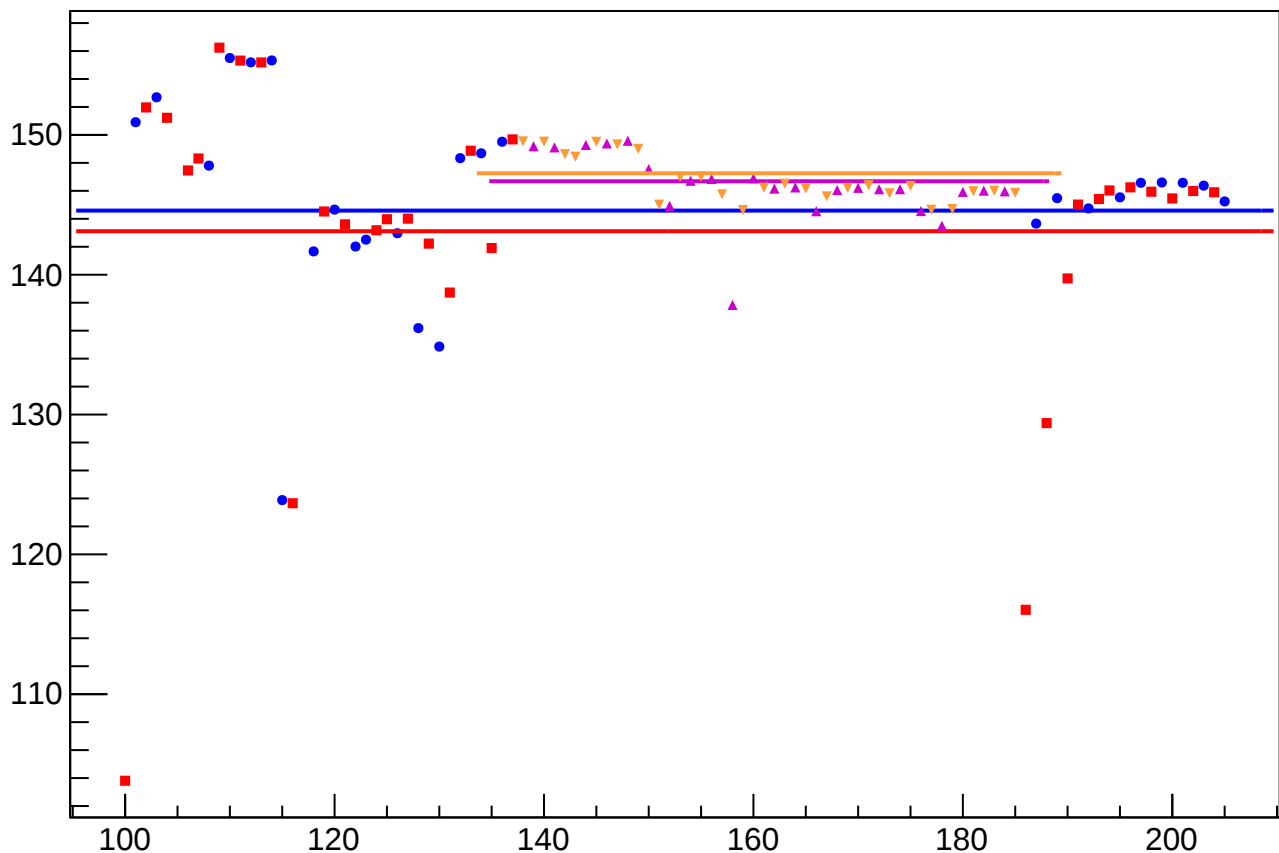
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1485915.1/22

+ sign 0.402 $\pm$ 0.000 χ^2 /NDF: 4752063.4/50

All: 0.402 $\pm$ 0.000 χ^2 /NDF: 8932008.1/103

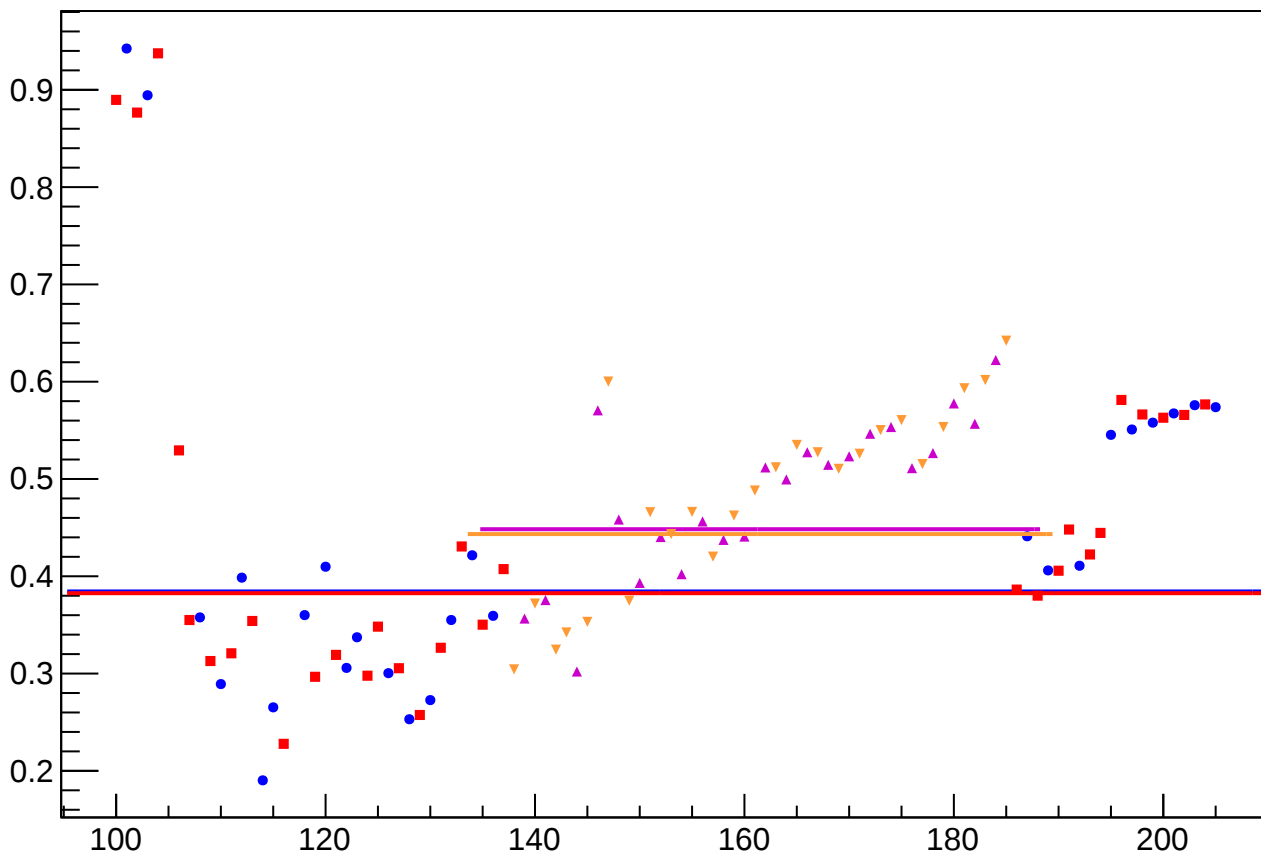
- sign 0.402 $\pm$ 0.000 χ^2 /NDF: 4179928.8/52

yield_bcm_dg_us_mean vs Slug



Right In: 144.588 $\pm$ 0.000	χ^2 /NDF: 3213654407.2/25	+ sign 146.029 $\pm$ 0.000	χ^2 /NDF: 3760682996.2/50
Left Out: 147.257 $\pm$ 0.000	χ^2 /NDF: 261906278.3/24	All: 145.446 $\pm$ 0.000	χ^2 /NDF: 12053009293.
Right Out: 143.111 $\pm$ 0.000	χ^2 /NDF: 7104903386.0/29	- sign 144.875 $\pm$ 0.000	χ^2 /NDF: 8184123082.9/52
Left In: 146.685 $\pm$ 0.000	χ^2 /NDF: 554922388.0/22		

yield_bcm_dg_us_rms vs Slug



Right In: 0.384 $\pm$ 0.000 χ^2 /NDF: 2504481.1/25

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

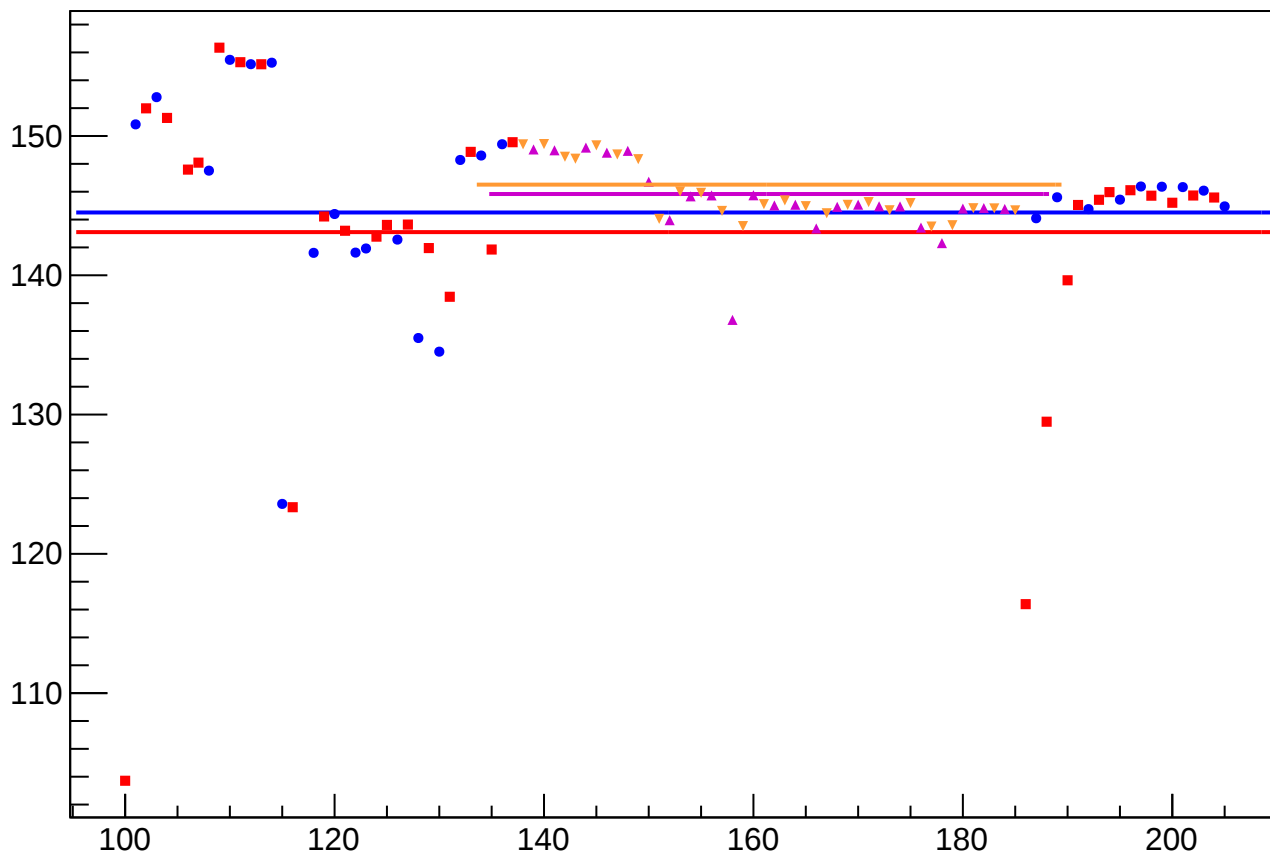
Left In: 0.448 $\pm$ 0.000 χ^2 /NDF:1120261.8/22

+ sign 0.416 $\pm$ 0.000 χ^2 /NDF: 4263478.9/50

All: 0.416 $\pm$ 0.000 χ^2 /NDF: 8006178.2/103

- sign 0.415 $\pm$ 0.000 χ^2 /NDF: 3742483.8/52

yield_bcm_dg_ds_mean vs Slug



Right In: 144.509 $\pm$ 0.000 χ^2 /NDF: 3324971199.9/25

Left Out: 146.508 $\pm$ 0.000 χ^2 /NDF: 401248837.9/24

Right Out: 143.099 $\pm$ 0.000 χ^2 /NDF: 7062764243.5/29

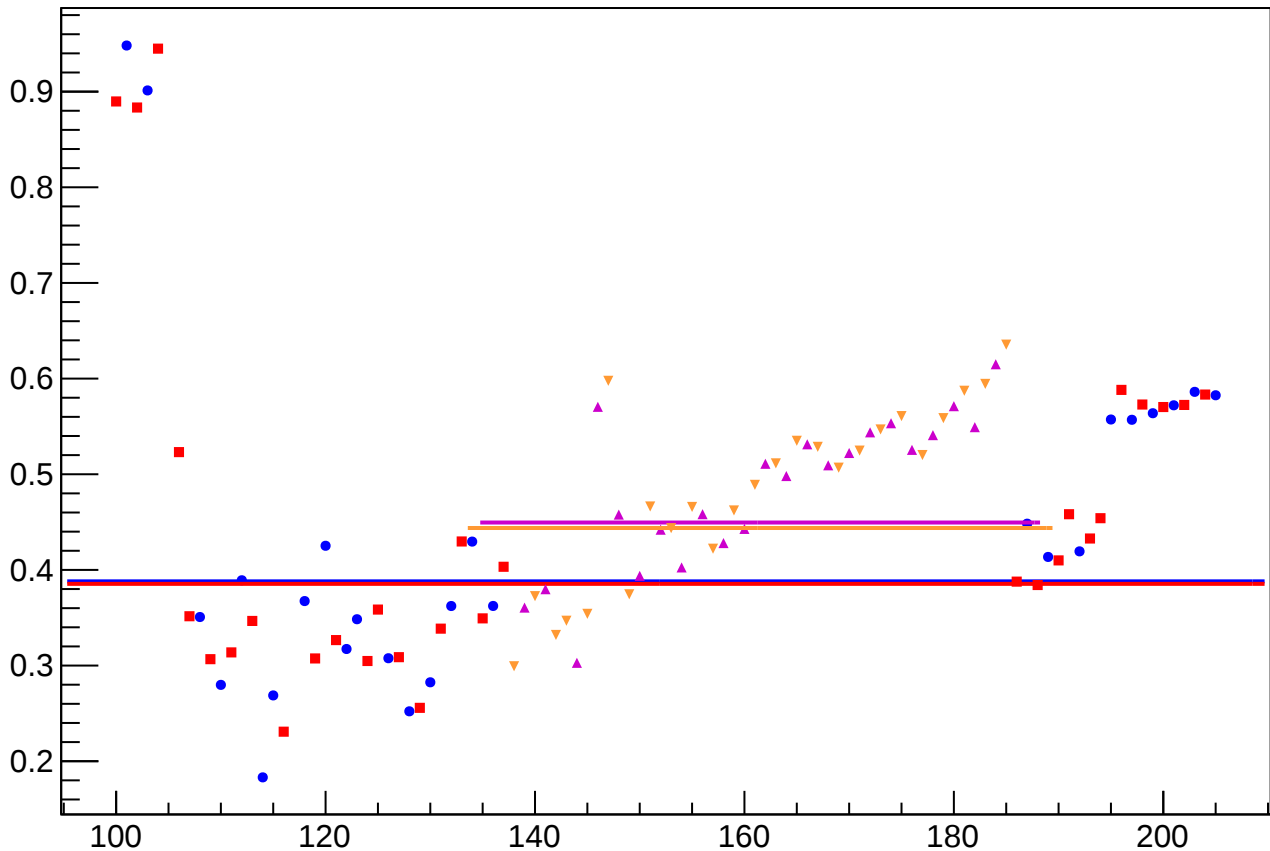
Left In: 145.834 $\pm$ 0.000 χ^2 /NDF: 690172810.0/22

+ sign 145.598 $\pm$ 0.000 χ^2 /NDF: 3884049509.1/50

All: 145.023 $\pm$ 0.000 χ^2 /NDF: 12045064075.

- sign 144.458 $\pm$ 0.000 χ^2 /NDF: 8056523198.9/52

yield_bcm_dg_ds_rms vs Slug



Right In: 0.388 $\pm$ 0.000 χ^2/NDF : 2551913.8/25

Left Out: 0.444 $\pm$ 0.000 χ^2/NDF : 1460383.7/24

Right Out: 0.385 $\pm$ 0.000 χ^2/NDF : 2292638.5/29

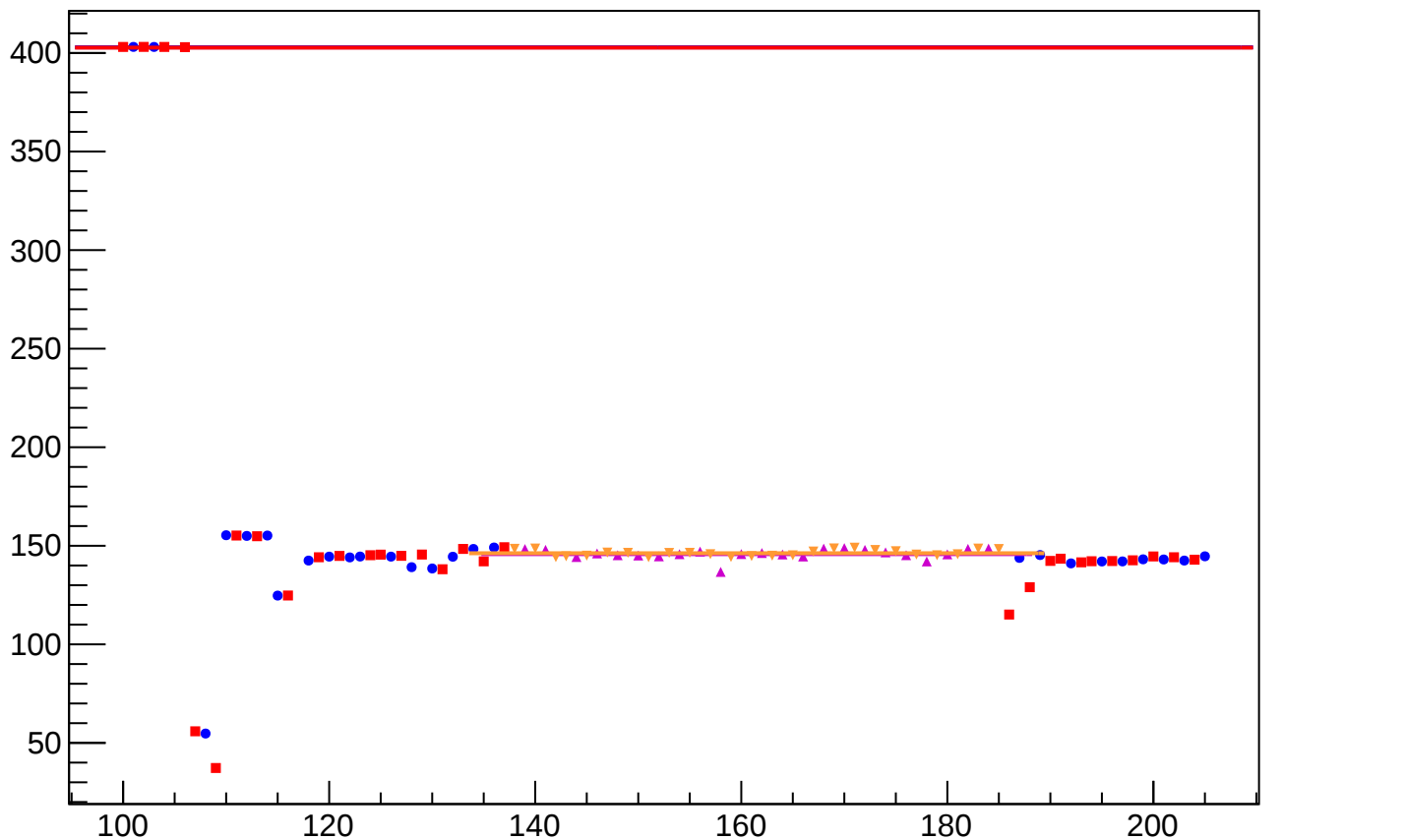
Left In: 0.450 $\pm$ 0.000 χ^2/NDF : 1092776.5/22

+ sign 0.418 $\pm$ 0.000 χ^2/NDF : 4257846.8/50

All: 0.418 $\pm$ 0.000 χ^2/NDF : 7977021.6/103

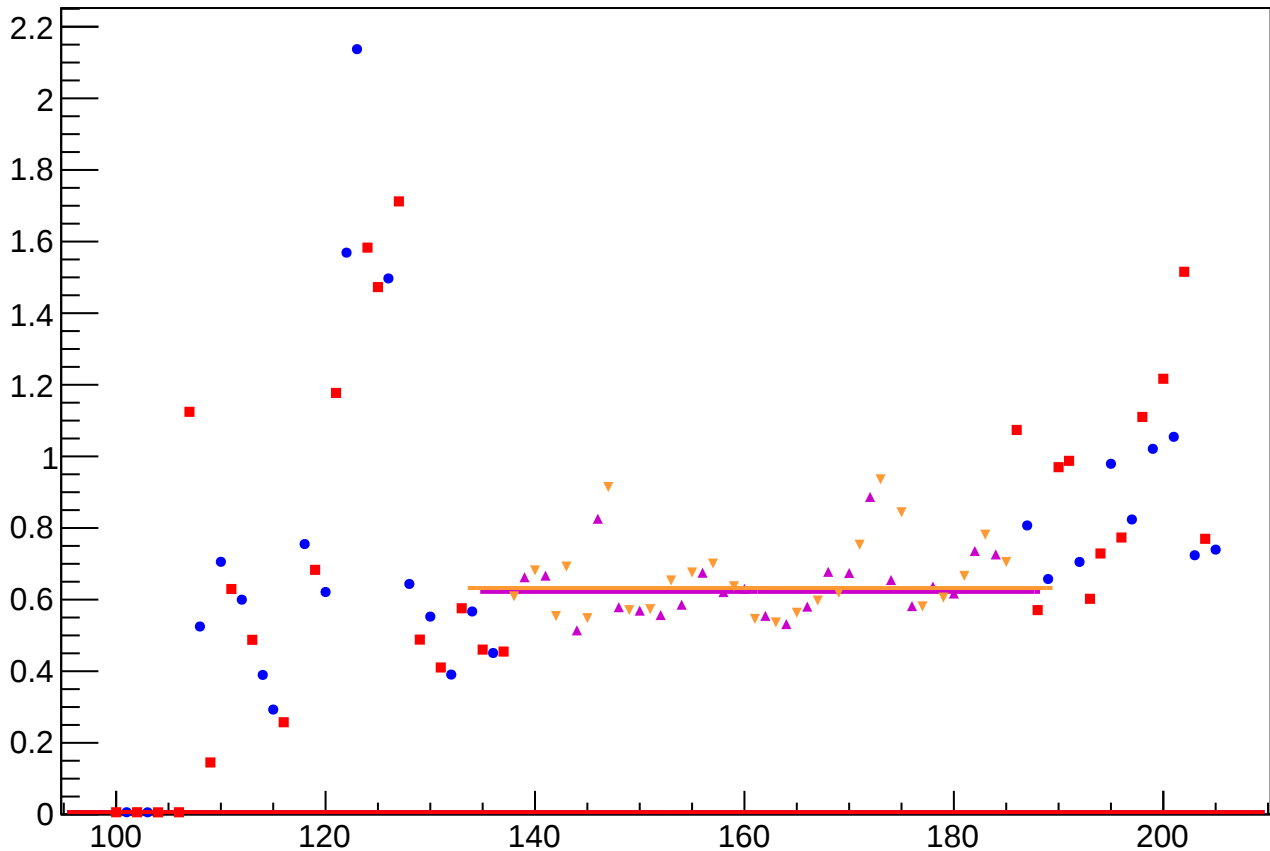
- sign 0.417 $\pm$ 0.000 χ^2/NDF : 3718963.6/52

yield_cav4bQ_mean vs Slug



Right In: 402.893 $\pm$ 0.000	χ^2 /NDF: 1614391892586.0/25	+ sign 402.598 $\pm$ 0.000	χ^2 /NDF: 3974511231781.1
Left Out: 146.216 $\pm$ 0.000	χ^2 /NDF: 86042286.3/24	All: 402.531 $\pm$ 0.000	χ^2 /NDF: 100657611282
Right Out: 402.728 $\pm$ 0.000	χ^2 /NDF: 3762560102250.0/29	- sign 402.471 $\pm$ 0.000	χ^2 /NDF: 6090982258210.7
Left In: 145.755 $\pm$ 0.000	χ^2 /NDF: 206171532.0/22		

yield_cav4bQ_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 19031250.8/25

Left Out: 0.632+/-0.000 χ^2/NDF : 613604.5/24

+ sign 0.007+/-0.000 χ^2/NDF : 47708731.3/50

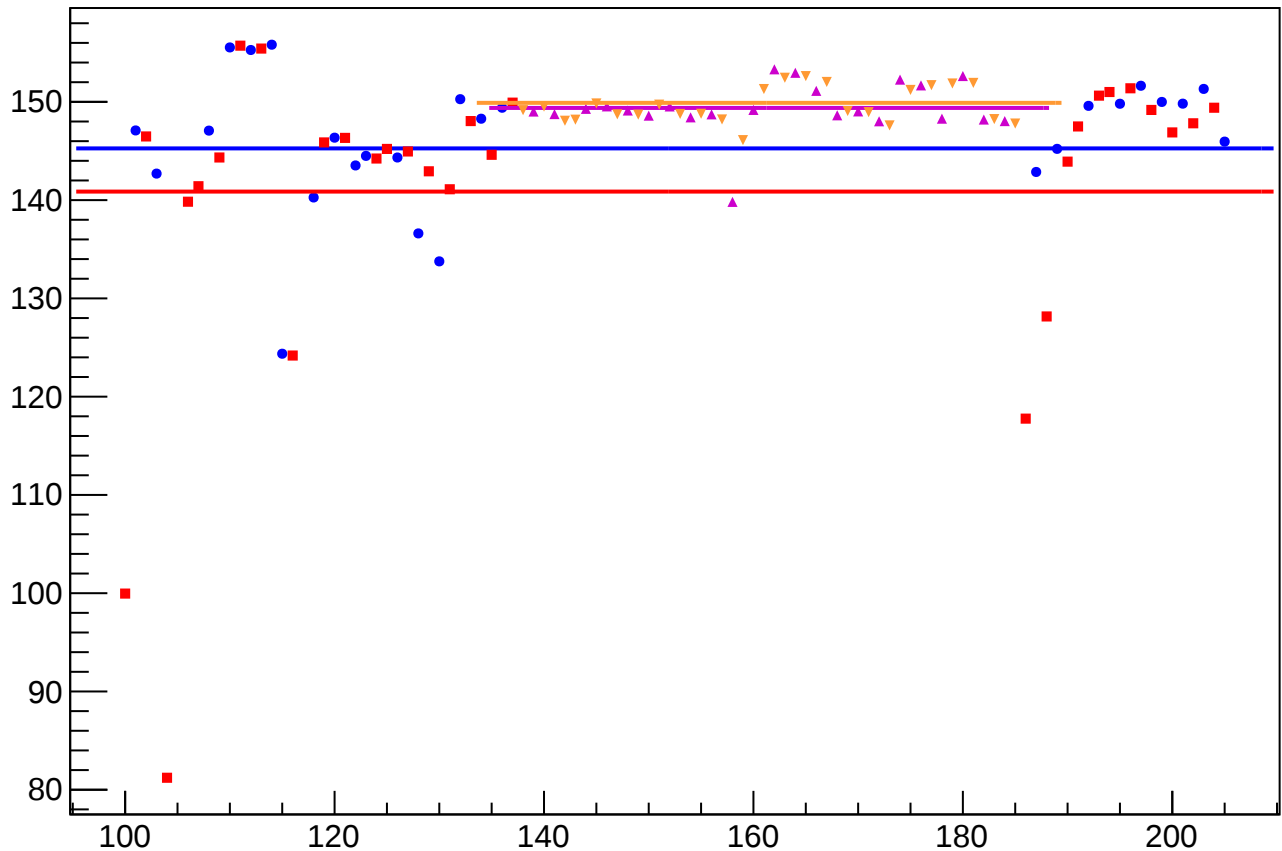
Right Out: 0.007+/-0.000 χ^2/NDF : 20774388.5/29

All: 0.007+/-0.000 χ^2/NDF : 95560374.0/103

- sign 0.007+/-0.000 χ^2/NDF : 47851243.4/52

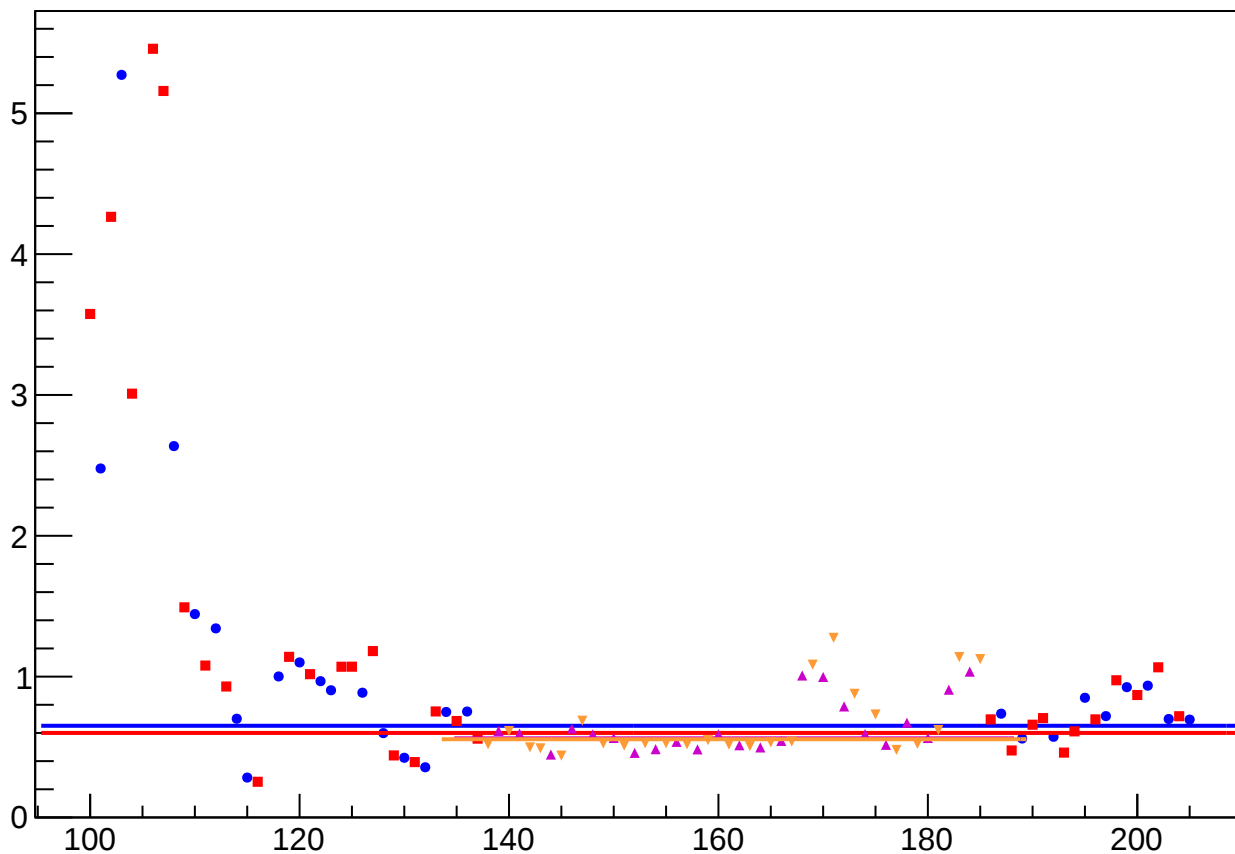
Left In: 0.622+/-0.000 χ^2/NDF : 399965.3/22

yield_cav4cQ_mean vs Slug



Right In: 145.263 $\pm$ 0.000	χ^2 /NDF: 1299953146.8/25	+ sign 148.580 $\pm$ 0.000	χ^2 /NDF: 1773352887.0/50
Left Out: 149.900 $\pm$ 0.000	χ^2 /NDF: 162845622.6/24	All: 147.504 $\pm$ 0.000	χ^2 /NDF: 6697192668.1
Right Out: 140.869 $\pm$ 0.000	χ^2 /NDF: 3145128641.8/29	- sign 146.447 $\pm$ 0.000	χ^2 /NDF: 4761044179.2/52
Left In: 149.382 $\pm$ 0.000	χ^2 /NDF: 434657827.5/22		

yield_cav4cQ_rms vs Slug



Right In: 0.651 ± 0.000 χ^2/NDF : 3990683.9/25

Left Out: 0.555 ± 0.000 χ^2/NDF : 1773688.1/24

Right Out: 0.600 ± 0.000 χ^2/NDF : 5484211.0/29

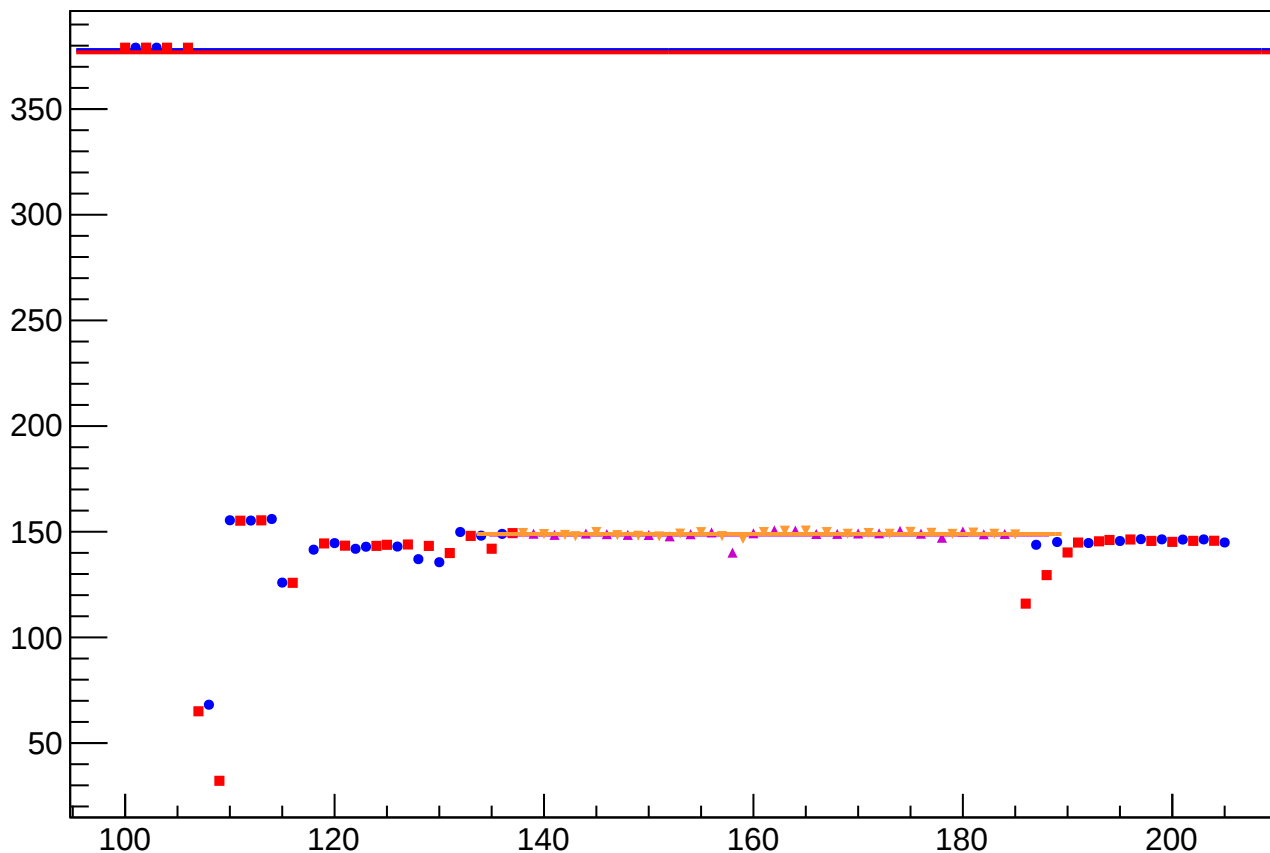
Left In: 0.562 ± 0.000 χ^2/NDF : 1305573.4/22

+ sign 0.583 ± 0.000 χ^2/NDF : 6027902.9/50

All: 0.579 ± 0.000 χ^2/NDF : 12870032.8/103

- sign 0.575 ± 0.000 χ^2/NDF : 6837937.4/52

yield_cav4dQ_mean vs Slug



Right In: 377.918 $\pm$ 0.000 χ^2 /NDF: 3639338420524.2/25

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

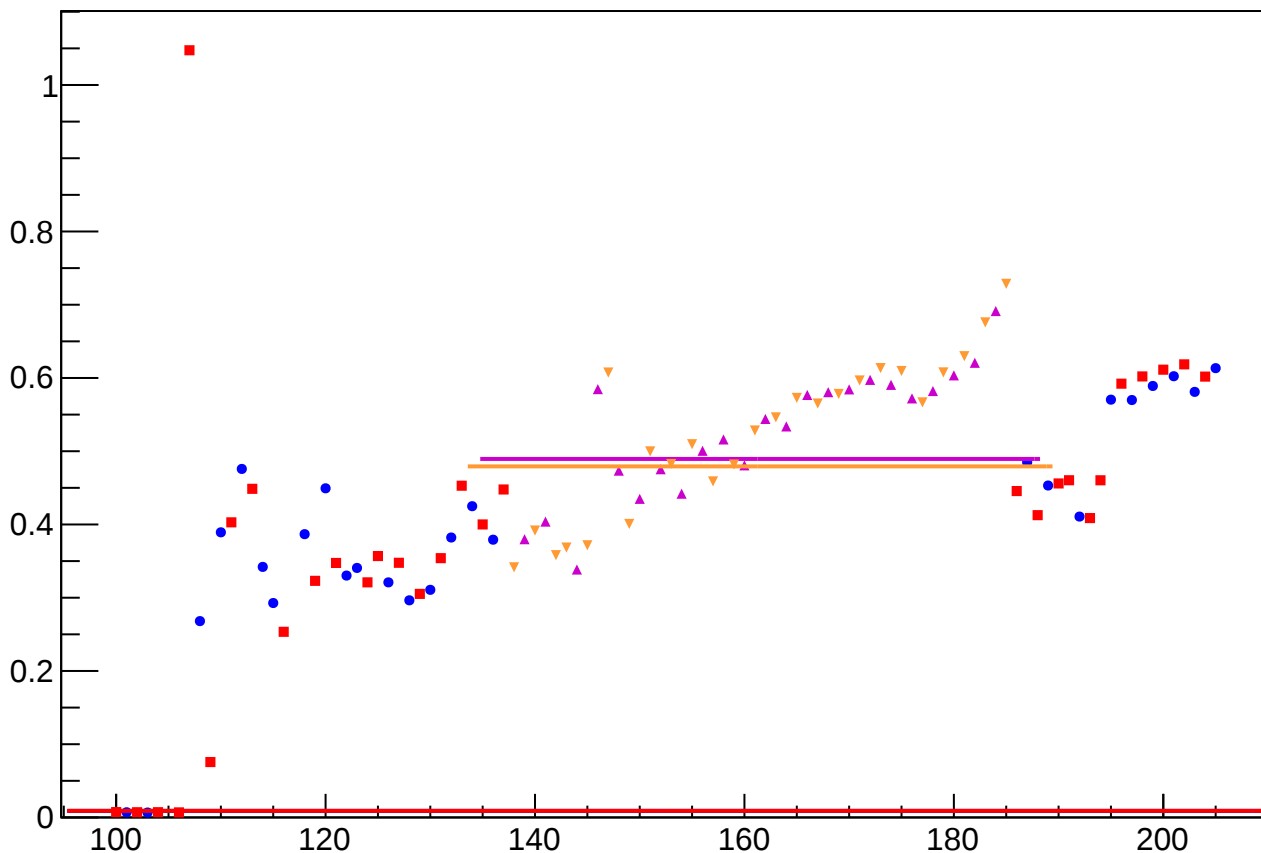
Left In: 148.672 $\pm$ 0.000 χ^2 /NDF: 252846428.3/22

+ sign 376.642 $\pm$ 0.000 χ^2 /NDF: 7534140457796.7

All: 376.216 $\pm$ 0.000 χ^2 /NDF: 20899216313

- 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 : 21523485.7/25

Left Out: 0.479+/-0.000 χ^2/NDF :1516566.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 22794270.0/29

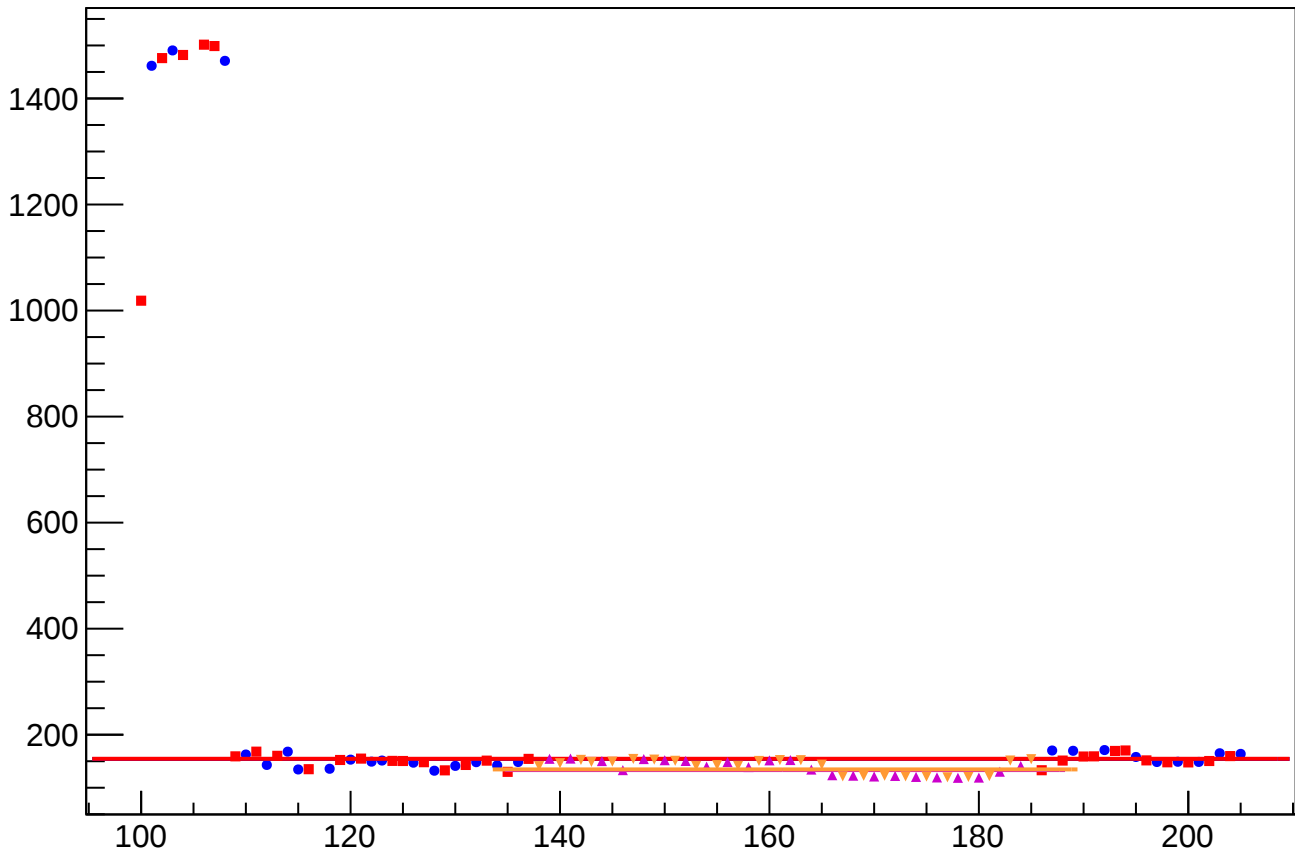
Left In: 0.489+/-0.000 χ^2/NDF :1076134.2/22

+ sign 0.012+/-0.000 χ^2/NDF : 55909814.0/50

All: 0.011+/-0.000 χ^2/NDF : 111216847.1/103

- sign 0.011+/-0.000 χ^2/NDF : 55304797.6/52

yield_bcm0l02_mean vs Slug



Right In: 154.217+/-0.000 χ^2/NDF : 25691973635.2/25

Left Out: 134.554+/-0.000 χ^2/NDF : 4376966869.3/24

Right Out: 154.566+/-0.000 χ^2/NDF : 34856465207.1/29

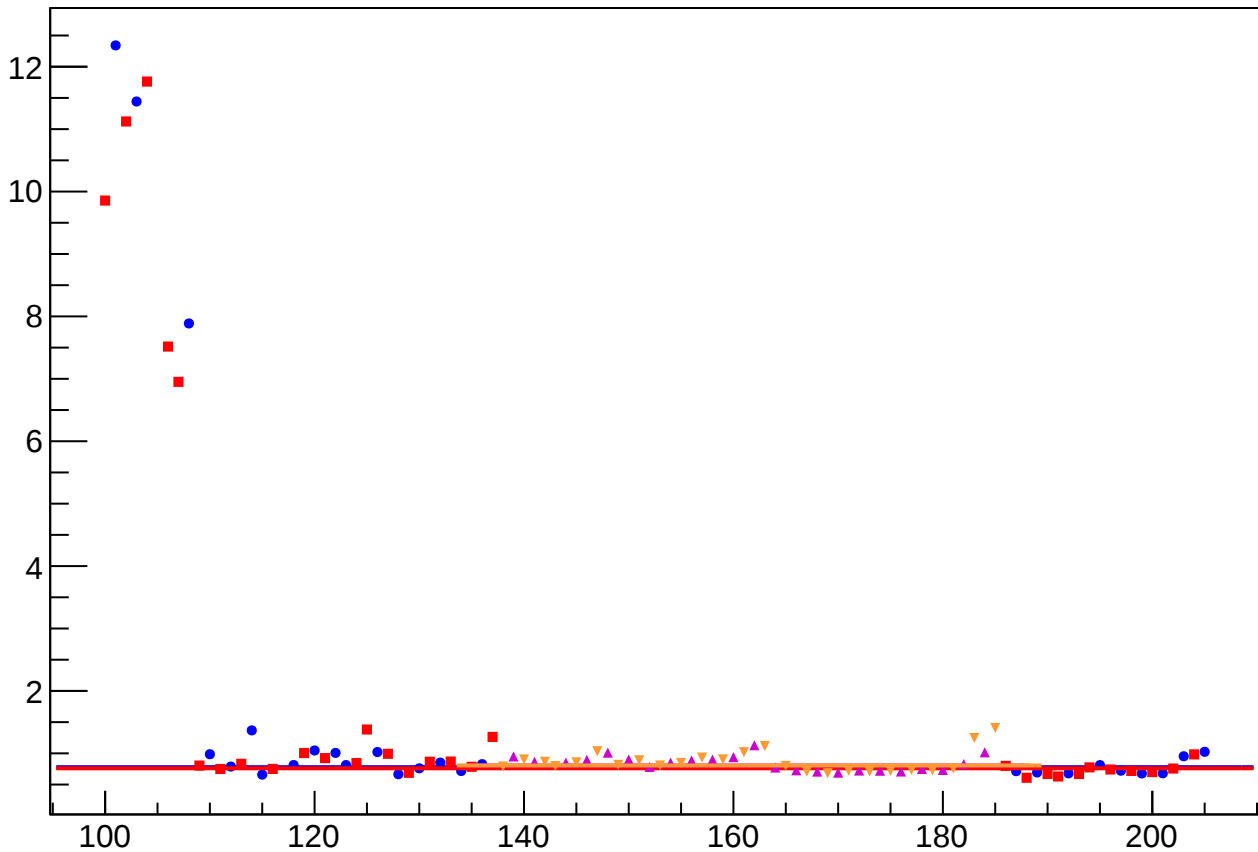
Left In: 133.337+/-0.000 χ^2/NDF : 4303812119.2/22

+ sign 142.205+/-0.000 χ^2/NDF : 33636610576.0/50

All: 142.407+/-0.000 χ^2/NDF : 77271691044.0

- sign 142.600+/-0.000 χ^2/NDF : 43631997185.5/52

yield_bcm0l02_rms vs Slug



Right In: 0.778 $\pm$ 0.000 χ^2 /NDF: 2948776.0/25

Left Out: 0.806 $\pm$ 0.000 χ^2 /NDF:690578.5/24

Right Out: 0.760 $\pm$ 0.000 χ^2 /NDF: 3197713.1/29

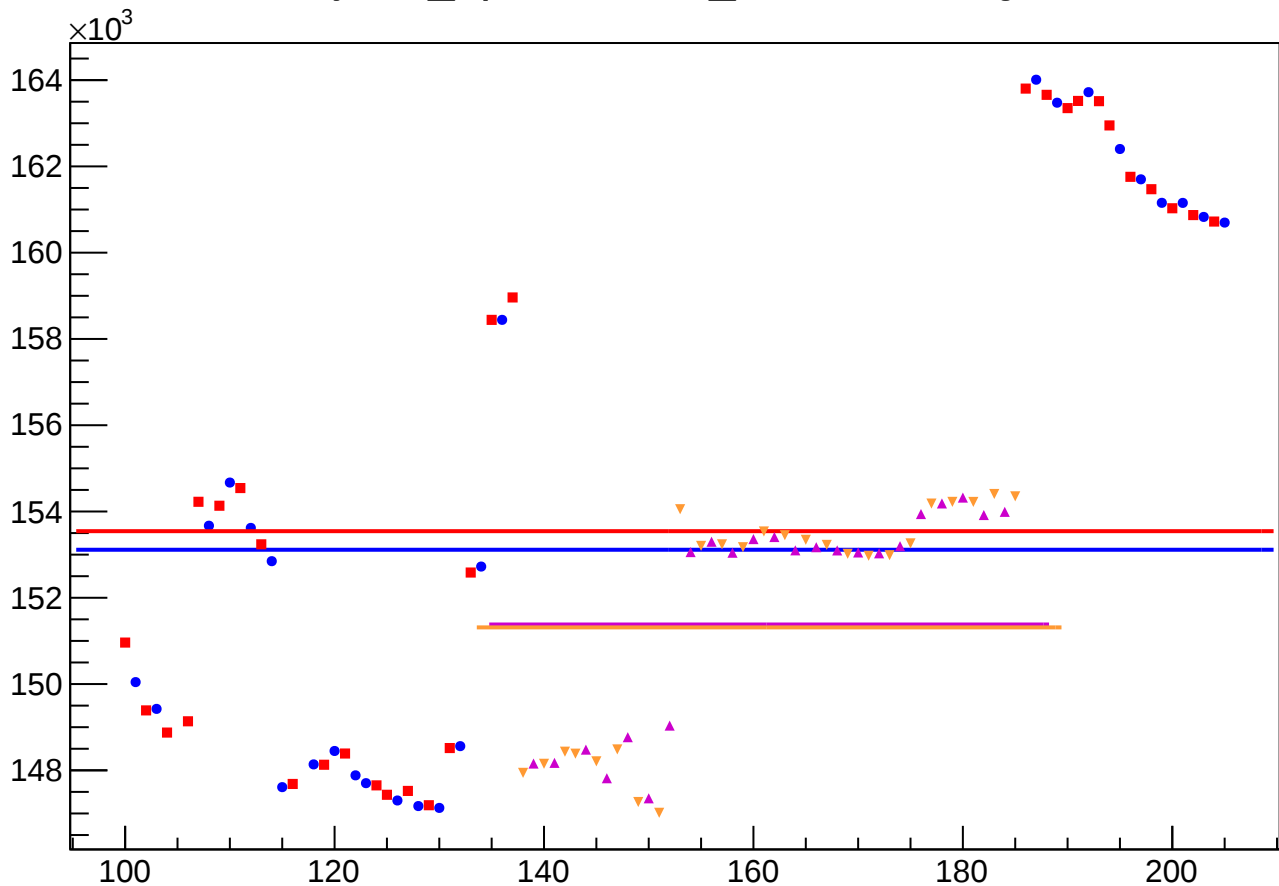
Left In: 0.805 $\pm$ 0.000 χ^2 /NDF:480510.8/22

+ sign 0.795 $\pm$ 0.000 χ^2 /NDF: 3653590.4/50

All: 0.790 $\pm$ 0.000 χ^2 /NDF: 7374834.7/103

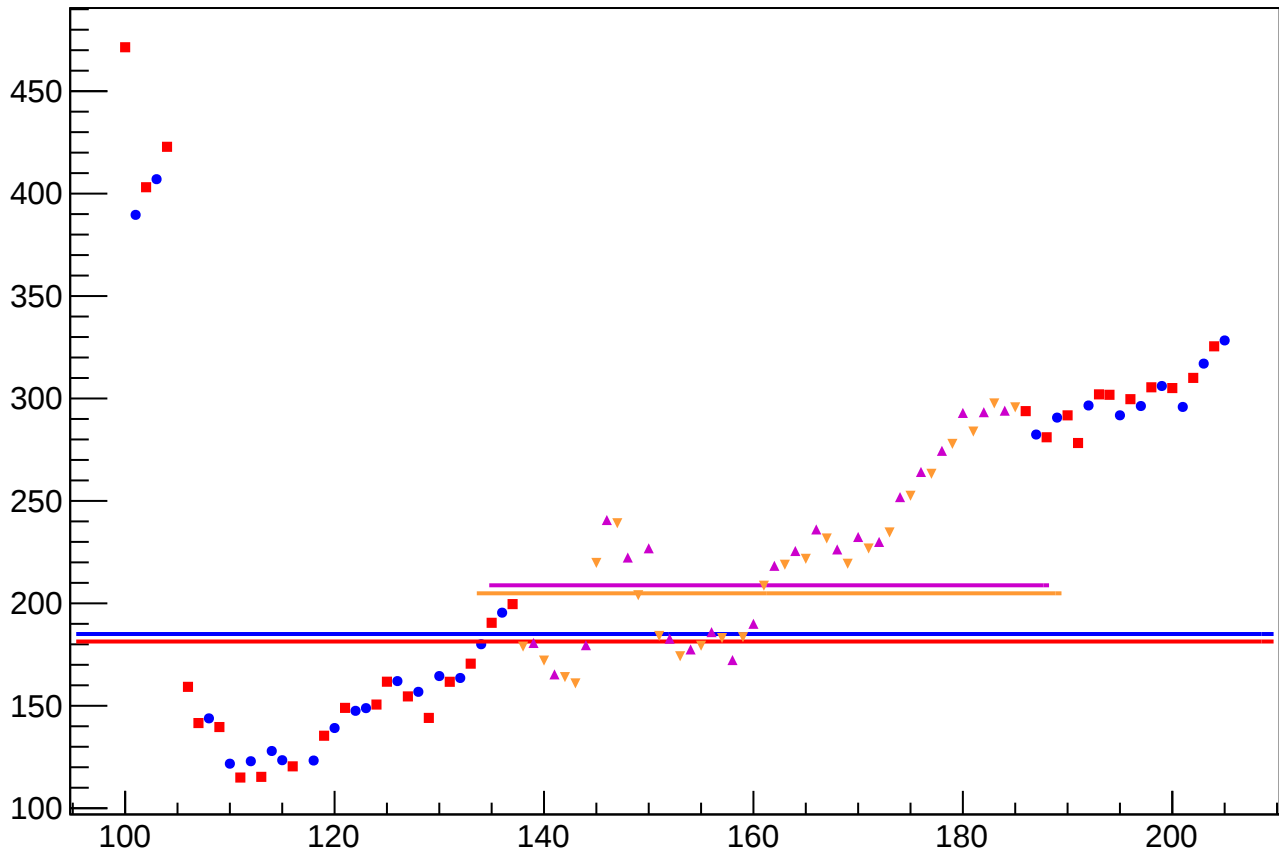
- sign 0.785 $\pm$ 0.000 χ^2 /NDF: 3717355.1/52

yield_bpm0i01WS_mean vs Slug



Right In: 153113.194 $\pm$ 0.056 χ^2 /NDF: 10269996615.6/25
 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 152089.905 $\pm$ 0.037 χ^2 /NDF: 14013539263.
 All: 152259.064 $\pm$ 0.026 χ^2 /NDF: 284541144
 - sign 152428.631 $\pm$ 0.037 χ^2 /NDF: 14398052628.2

yield_bpm0i01WS_rms vs Slug



Right In: 185.034 $\pm$ 0.040 χ^2 /NDF: 3579972.1/25

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

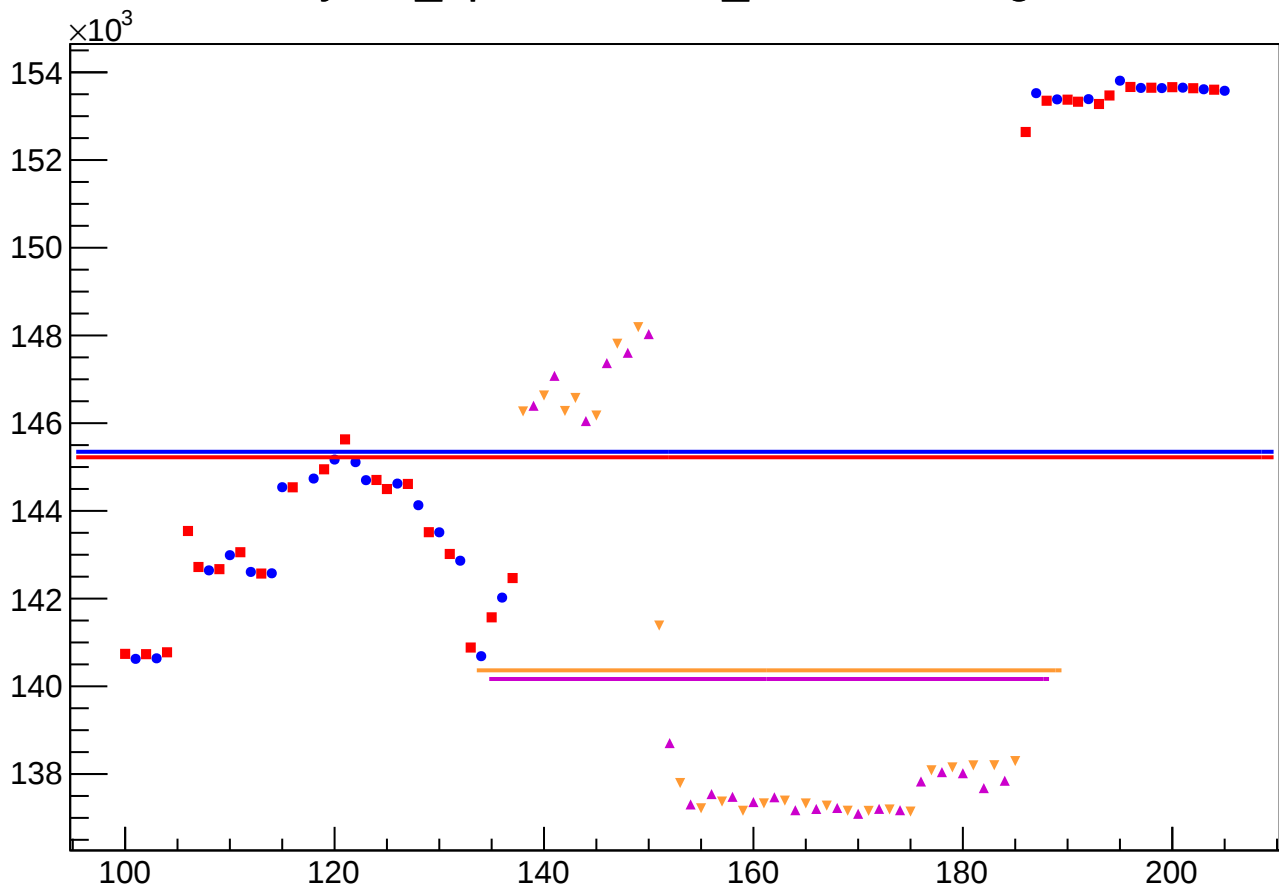
Left In: 208.813 $\pm$ 0.036 χ^2 /NDF: 1001936.6/22

+ sign 196.328 $\pm$ 0.026 χ^2 /NDF: 4780034.5/50

All: 195.923 $\pm$ 0.018 χ^2 /NDF: 10094208.7/10

- sign 195.517 $\pm$ 0.026 χ^2 /NDF: 5313686.1/52

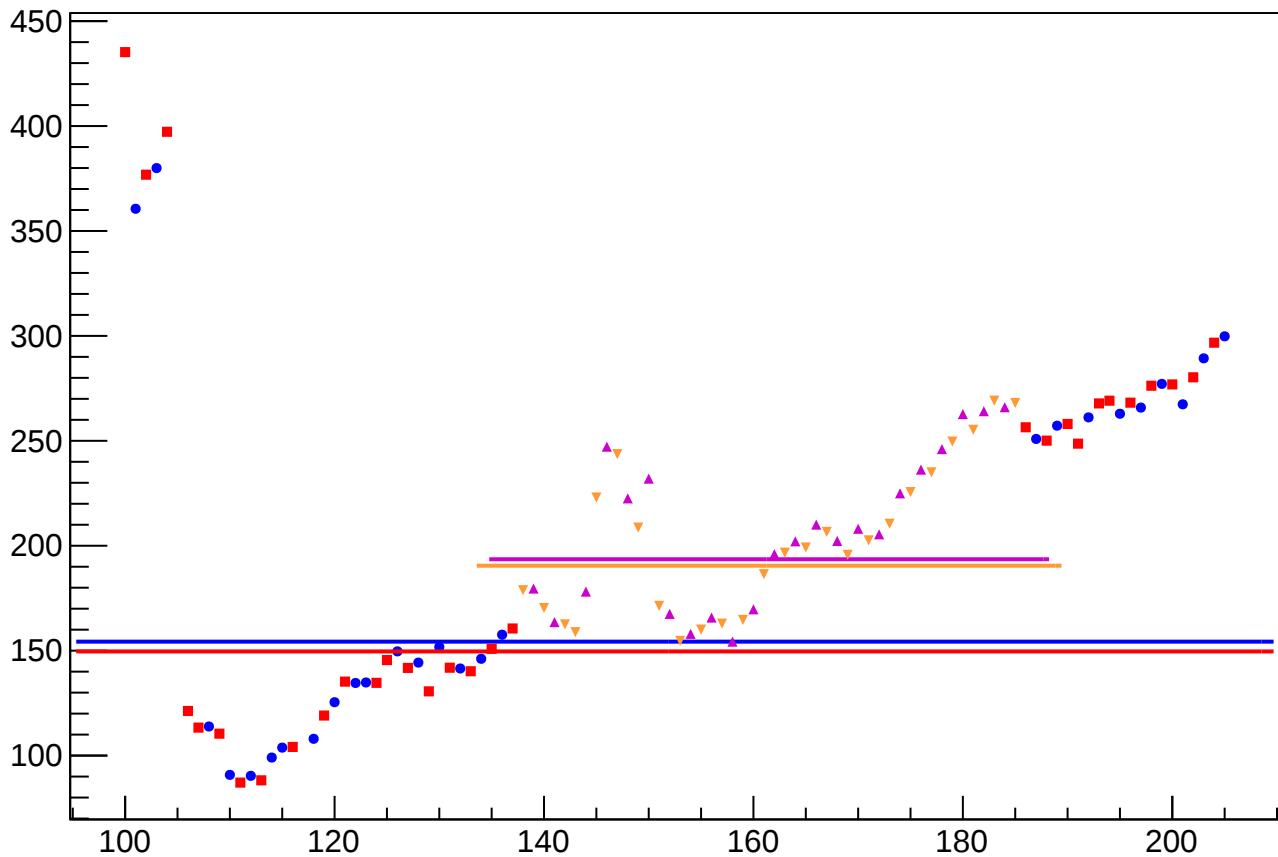
yield_bpm0i01aWS_mean vs Slug



Right In: 145347.754+/-0.047 χ^2/NDF : 7706479699.7/25
 Left Out: 140364.444+/-0.045 χ^2/NDF : 8677078677.7/24
 Right Out: 145222.265+/-0.044 χ^2/NDF : 8789352421.0/29
 Left In: 140166.971+/-0.047 χ^2/NDF : 8028464654.6/22

+ sign 142736.203+/-0.033 χ^2/NDF : 22164057217.7
 All: 142806.136+/-0.023 χ^2/NDF : 450699878.4
 - sign 142874.381+/-0.032 χ^2/NDF : 22896912403.4

yield_bpm0i01aWS_rms vs Slug



Right In: 154.295 $\pm$ 0.034 χ^2 /NDF: 4372770.8/25

Left Out: 190.486 $\pm$ 0.032 χ^2 /NDF: 950233.2/24

Right Out: 149.634 $\pm$ 0.031 χ^2 /NDF: 4905897.1/29

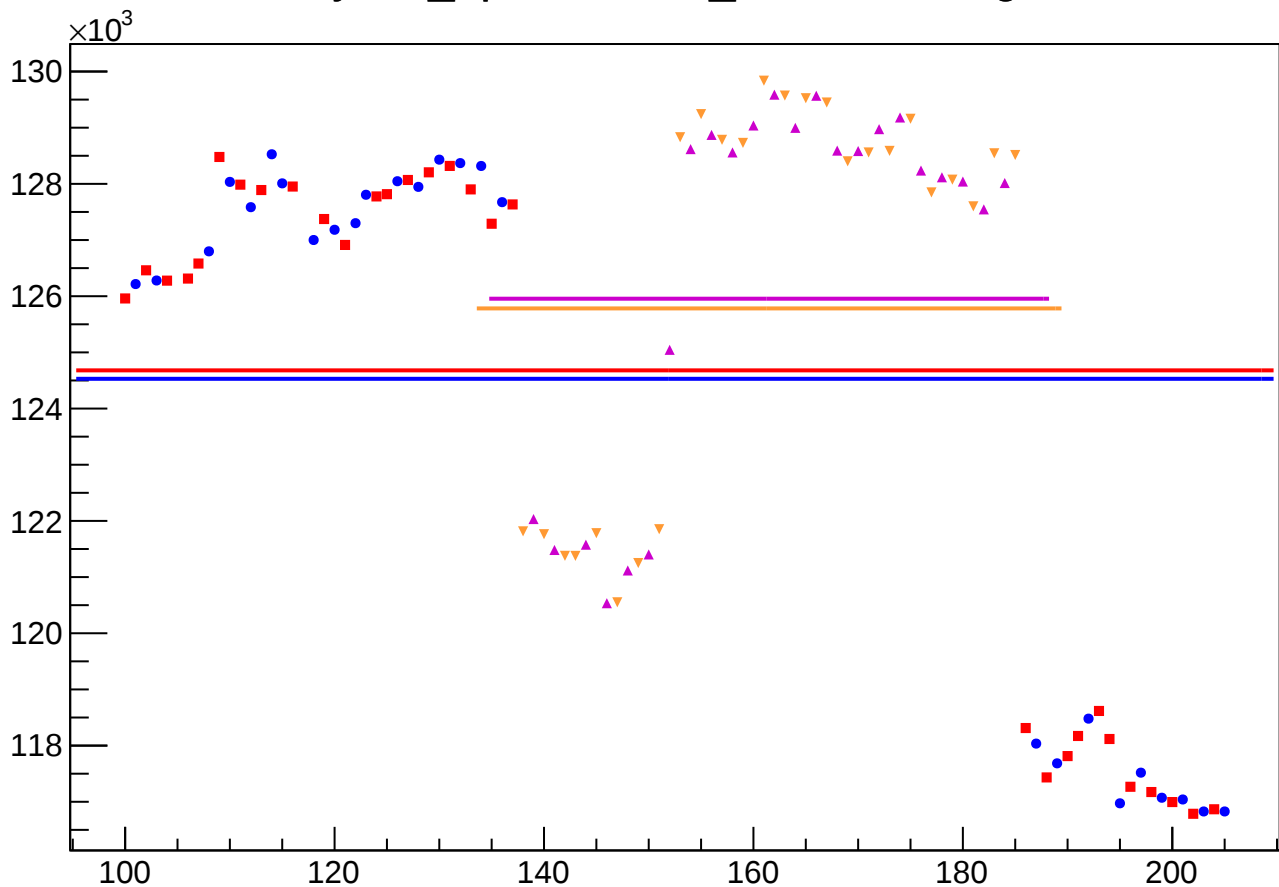
Left In: 193.558 $\pm$ 0.034 χ^2 /NDF: 963675.0/22

+ sign 173.261 $\pm$ 0.023 χ^2 /NDF: 5932763.9/50

All: 171.628 $\pm$ 0.016 χ^2 /NDF: 12730031.5/10

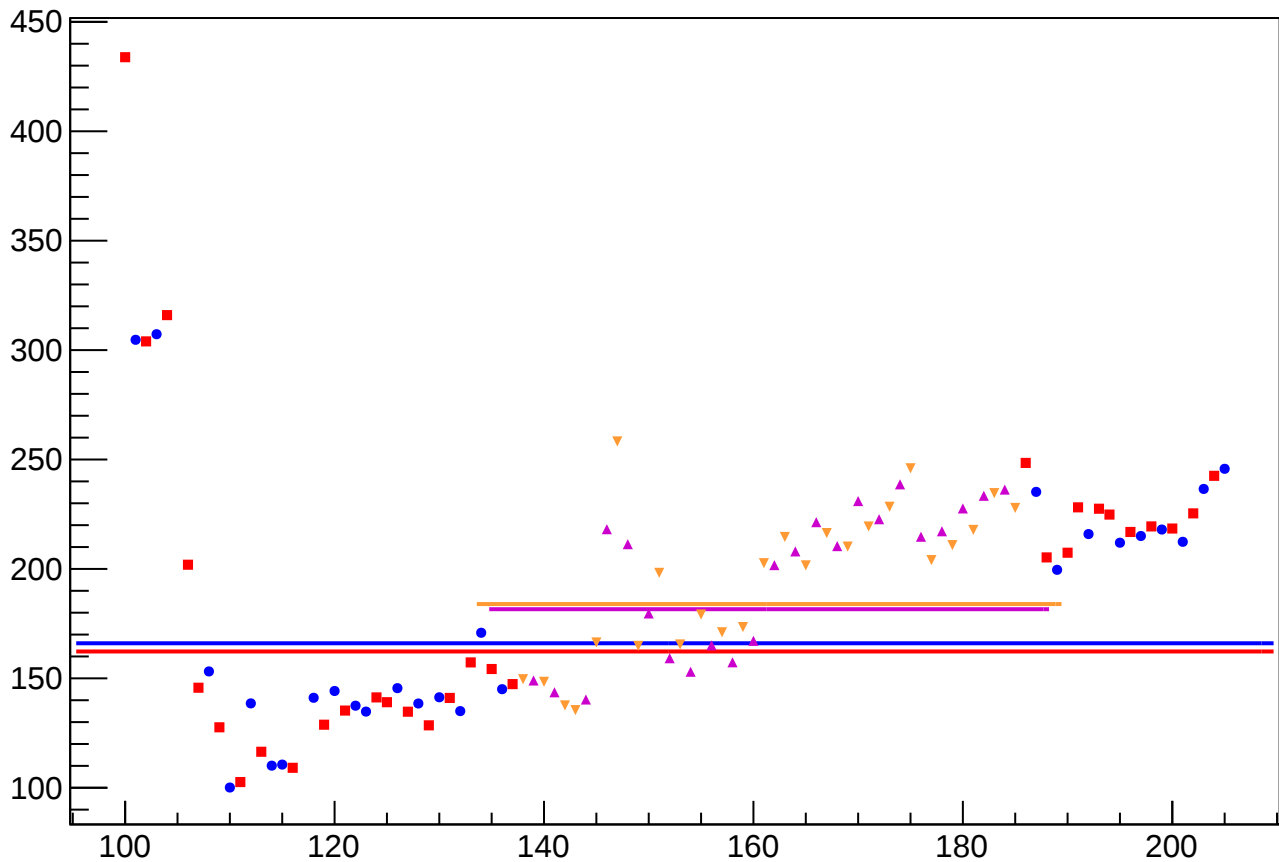
- sign 170.034 $\pm$ 0.023 χ^2 /NDF: 6787431.6/52

yield_bpm0l01WS_mean vs Slug



Right In: 124529.529 $\pm$ 0.048	χ^2 /NDF: 9861906570.7/25	+ sign 125216.320 $\pm$ 0.033	χ^2 /NDF: 16958289720.
Left Out: 125782.764 $\pm$ 0.044	χ^2 /NDF: 6729761889.8/24	All: 125274.396 $\pm$ 0.023	χ^2 /NDF: 337714870
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: 166.024 ± 0.034 $\chi^2/\text{NDF}: 1943898.6/25$

Left Out: 183.947 ± 0.031 $\chi^2/\text{NDF}: 1123194.0/24$

Right Out: 162.274 ± 0.032 $\chi^2/\text{NDF}: 2427725.3/29$

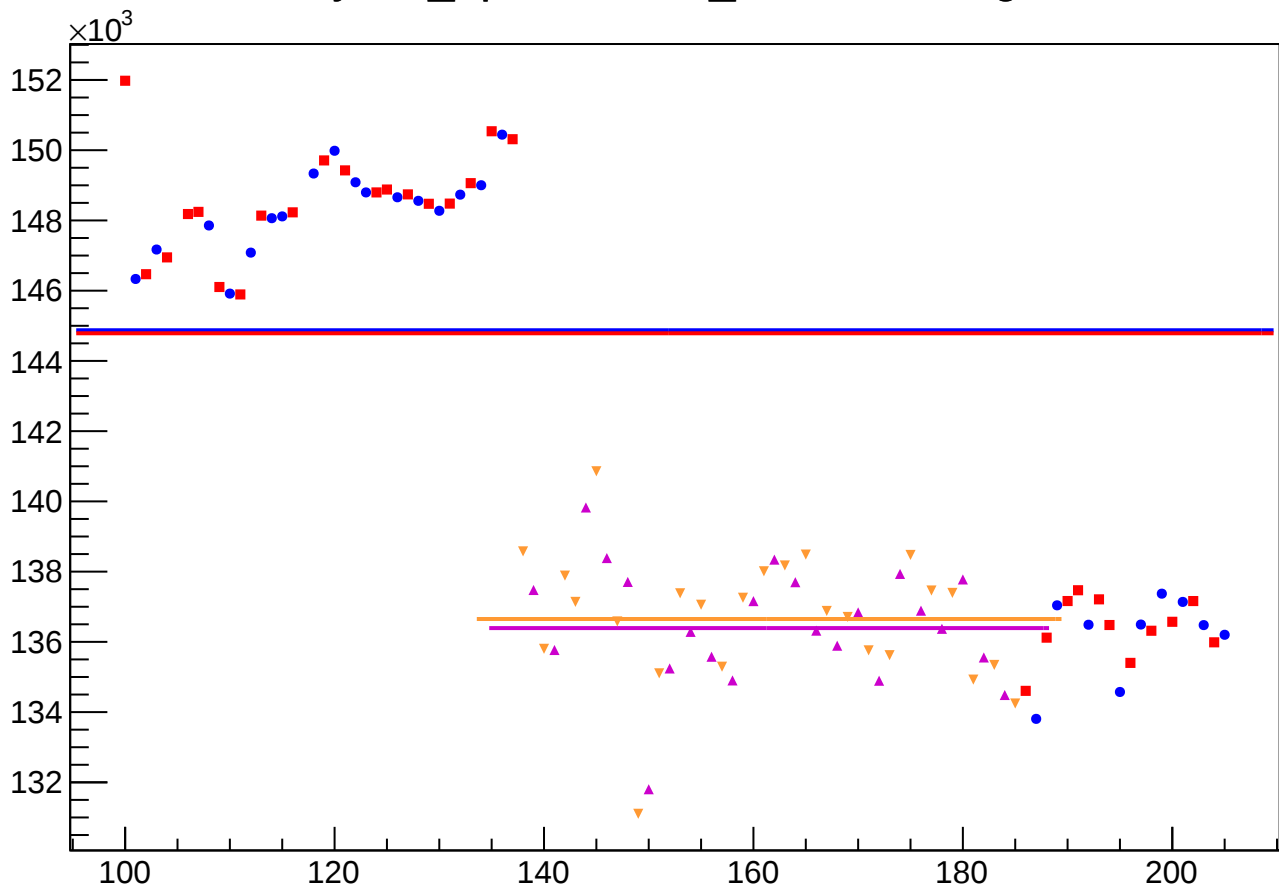
Left In: 181.596 ± 0.032 $\chi^2/\text{NDF}: 1103524.3/22$

+ sign 175.846 ± 0.023 $\chi^2/\text{NDF}: 3217053.5/50$

All: 173.952 ± 0.016 $\chi^2/\text{NDF}: 6943880.5/103$

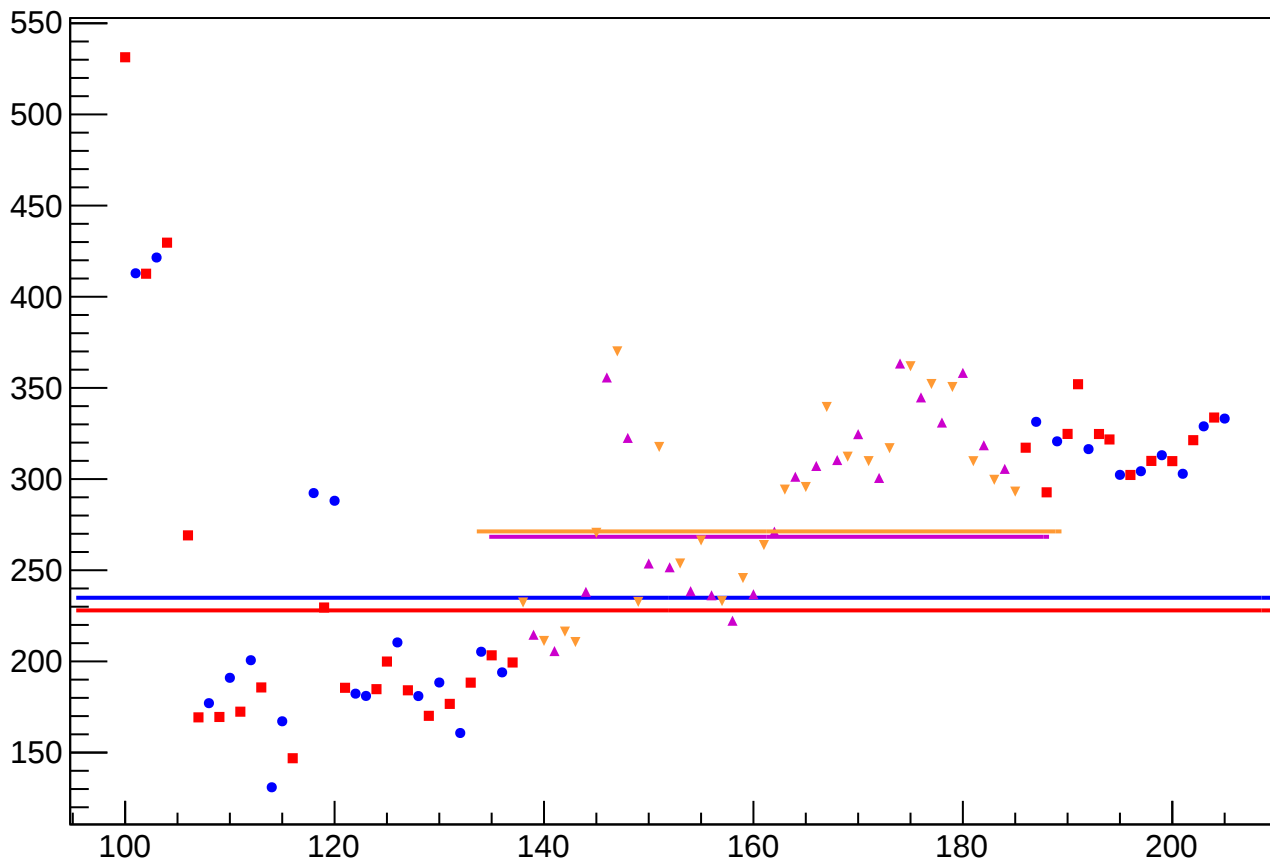
- sign 172.125 ± 0.023 $\chi^2/\text{NDF}: 3713547.3/52$

yield_bpm0l02WS_mean vs Slug



Right In: 144872.989 $\pm$ 0.069	χ^2 /NDF: 6831532863.0/25	+ sign 140505.551 $\pm$ 0.047	χ^2 /NDF: 15350558492.1
Left Out: 136650.935 $\pm$ 0.065	χ^2 /NDF: 930649595.5/24	All: 140604.670 $\pm$ 0.033	χ^2 /NDF: 318874192.1
Right Out: 144786.649 $\pm$ 0.064	χ^2 /NDF: 7517593913.2/29	- sign 140699.336 $\pm$ 0.046	χ^2 /NDF: 16528202749.1
Left In: 136392.188 $\pm$ 0.066	χ^2 /NDF: 701986841.4/22		

yield_bpm0l02WS_rms vs Slug



Right In: 234.909 ± 0.049 χ^2/NDF : 2108511.1/25

Left Out: 271.295 ± 0.046 χ^2/NDF : 1064485.7/24

Right Out: 227.973 ± 0.045 χ^2/NDF : 2378551.5/29

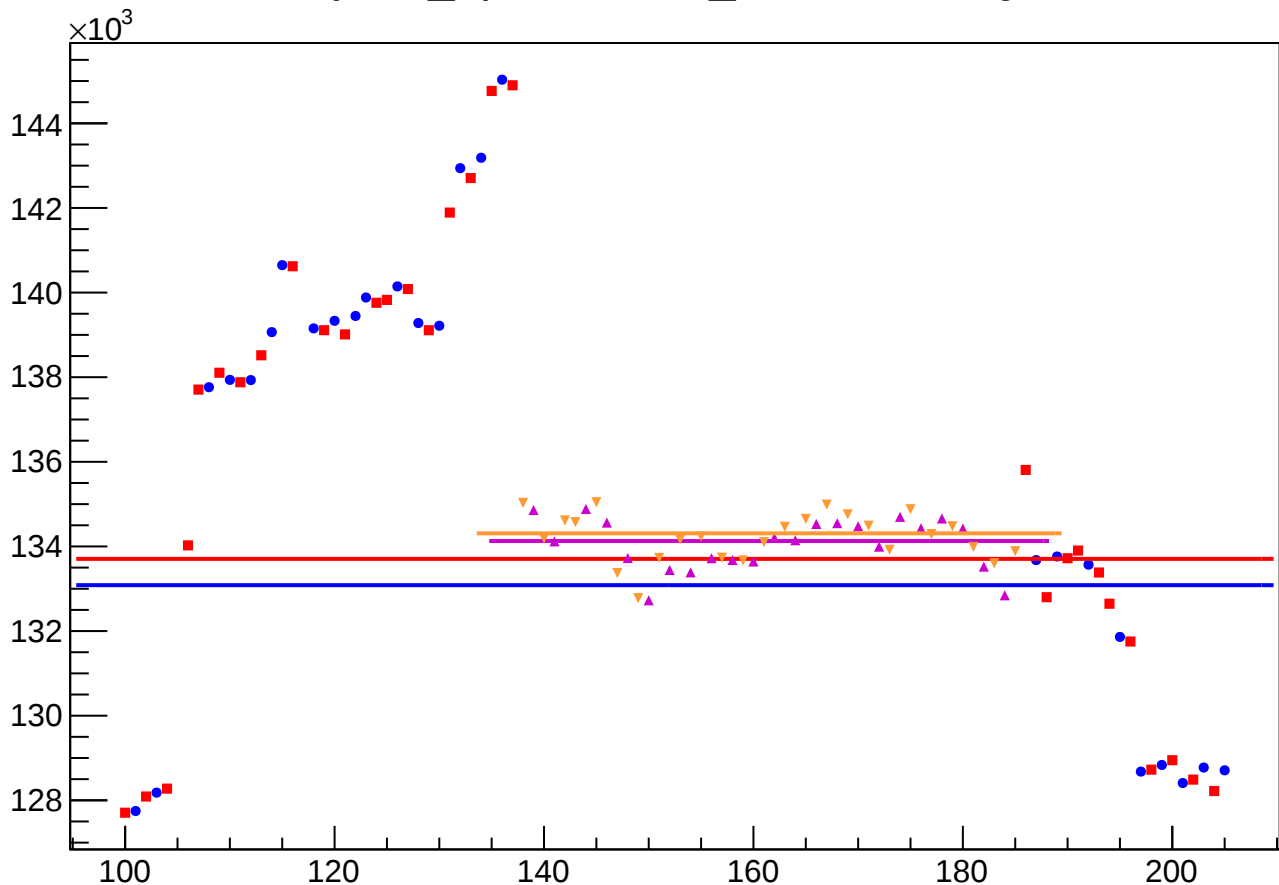
Left In: 268.344 ± 0.047 χ^2/NDF : 1077364.0/22

+ sign 254.237 ± 0.033 χ^2/NDF : 3470232.7/50

All: 250.857 ± 0.023 χ^2/NDF : 7330602.8/103

- sign 247.630 ± 0.033 χ^2/NDF : 3840242.0/52

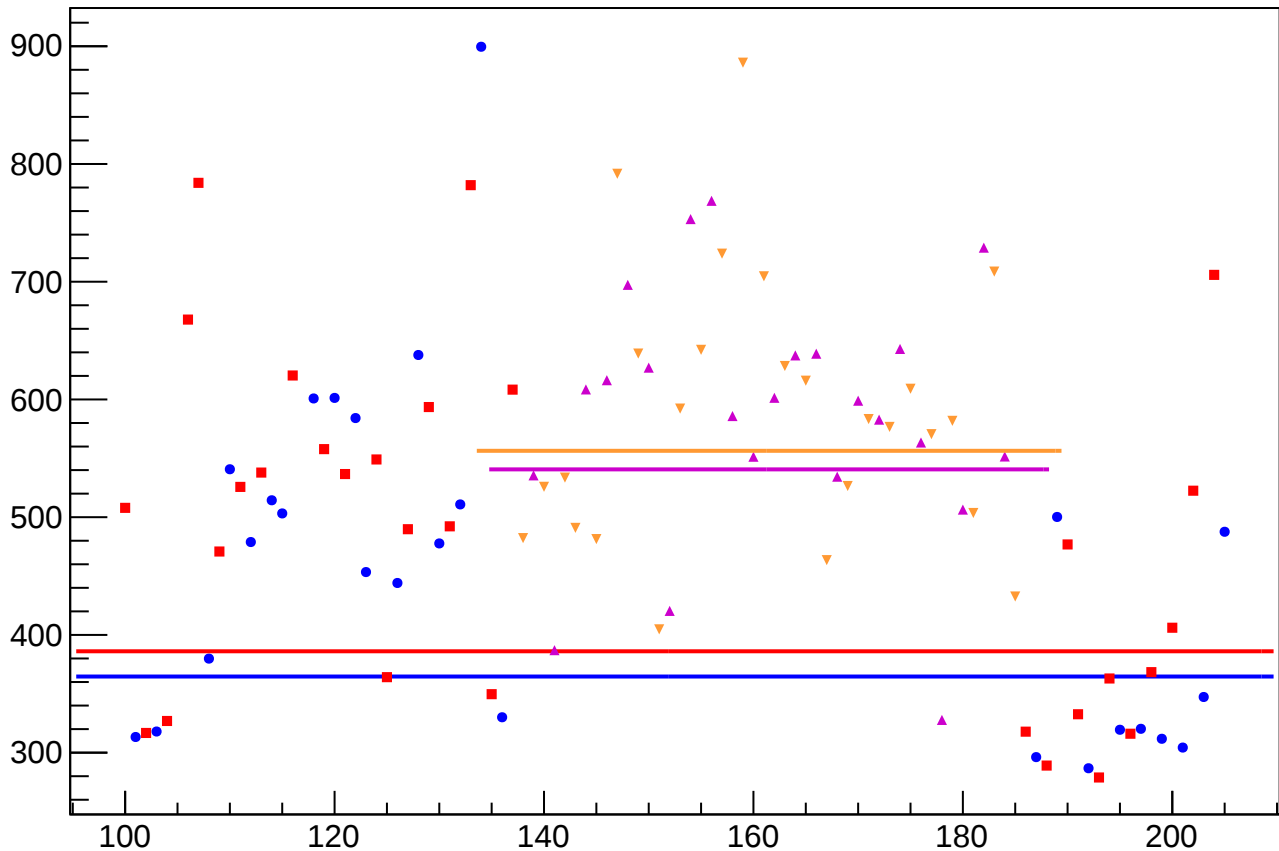
yield_bpm0l03WS_mean vs Slug



Right In: 133085.272 ± 0.114 $\chi^2/\text{NDF}: 2435851591.2/25$
 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 133579.901 ± 0.088 $\chi^2/\text{NDF}: 2497972433.2/25$
 All: 133724.793 ± 0.063 $\chi^2/\text{NDF}: 404803320.0/24$
 - sign 133879.757 ± 0.091 $\chi^2/\text{NDF}: 1544456053.5/25$

yield_bpm0l03WS_rms vs Slug



Right In: 364.667 ± 0.081 $\chi^2/\text{NDF}: 1336787.4/25$

Left Out: 556.381 ± 0.098 $\chi^2/\text{NDF}: 1002064.0/24$

Right Out: 386.104 ± 0.084 $\chi^2/\text{NDF}: 1822935.9/29$

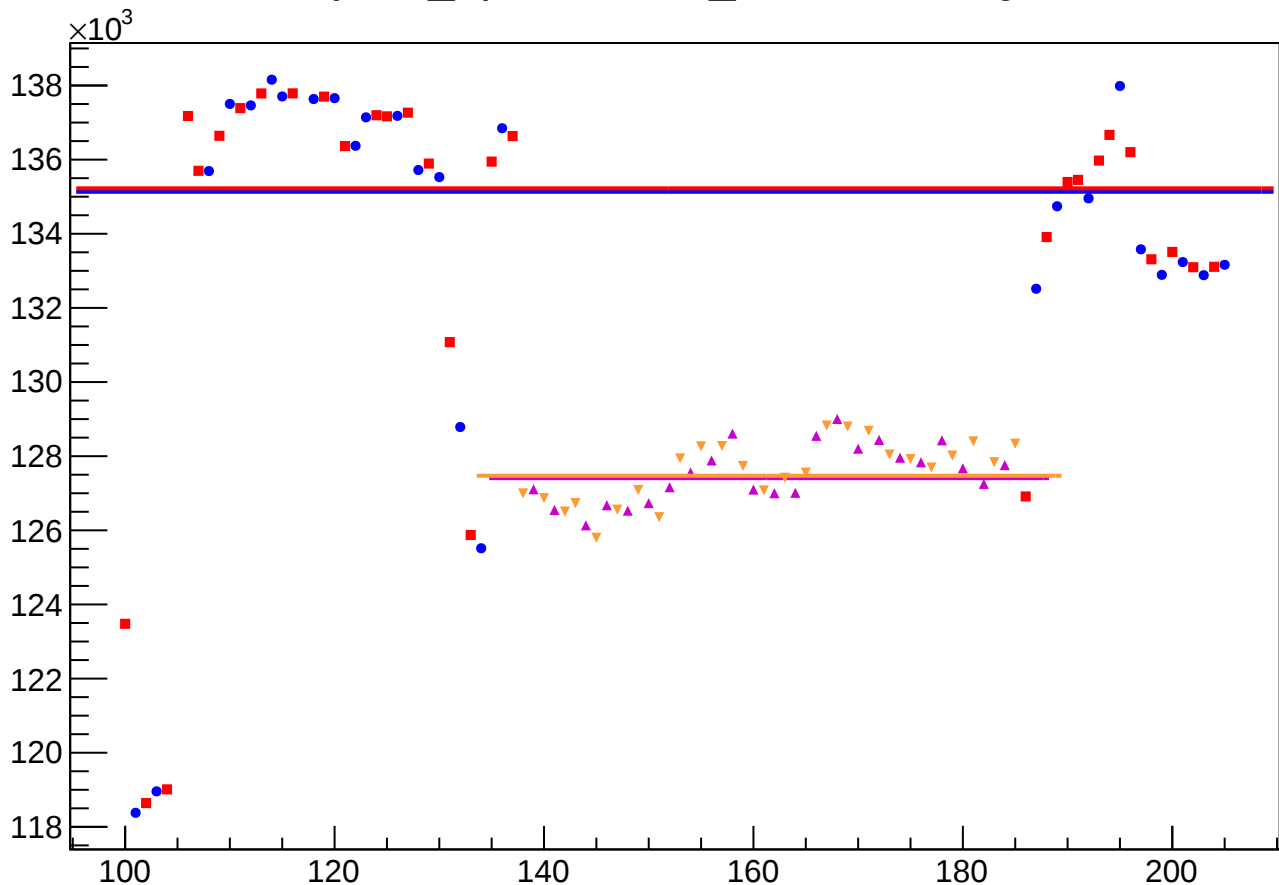
Left In: 540.607 ± 0.100 $\chi^2/\text{NDF}: 1409015.2/22$

+ sign 442.079 ± 0.062 $\chi^2/\text{NDF}: 4621758.2/50$

All: 445.733 ± 0.045 $\chi^2/\text{NDF}: 9255101.2/103$

- sign 449.641 ± 0.064 $\chi^2/\text{NDF}: 4626213.8/52$

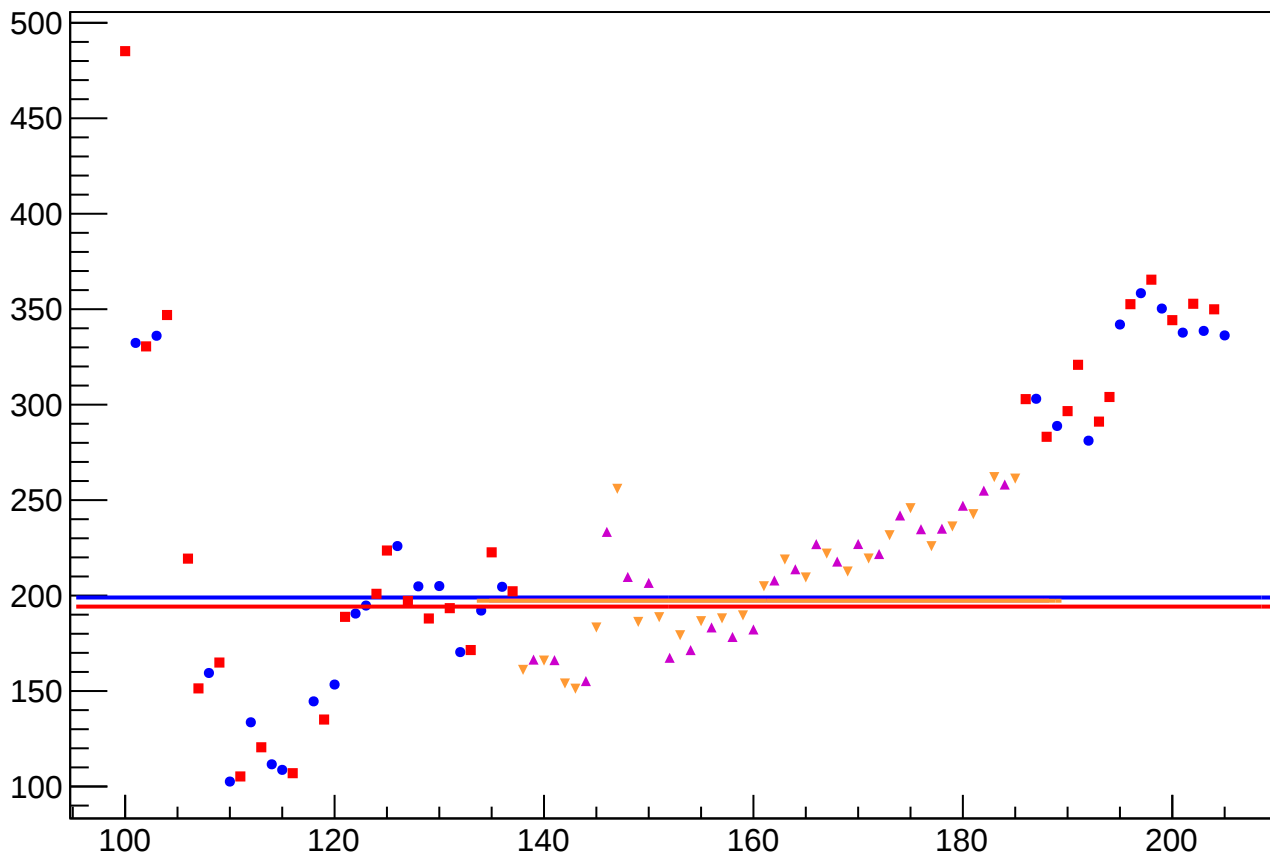
yield_bpm0l04WS_mean vs Slug



Right In: 135133.068 $\pm$ 0.061 χ^2 /NDF: 4796943839.6/25
 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 130343.492 $\pm$ 0.037 χ^2 /NDF: 15118106176.
 All: 130516.102 $\pm$ 0.026 χ^2 /NDF: 315652783.
 - sign 130686.845 $\pm$ 0.037 χ^2 /NDF: 16403996309.0

yield_bpm0l04WS_rms vs Slug



Right In: 198.993 $\pm$ 0.043 χ^2 /NDF: 3710821.3/25

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

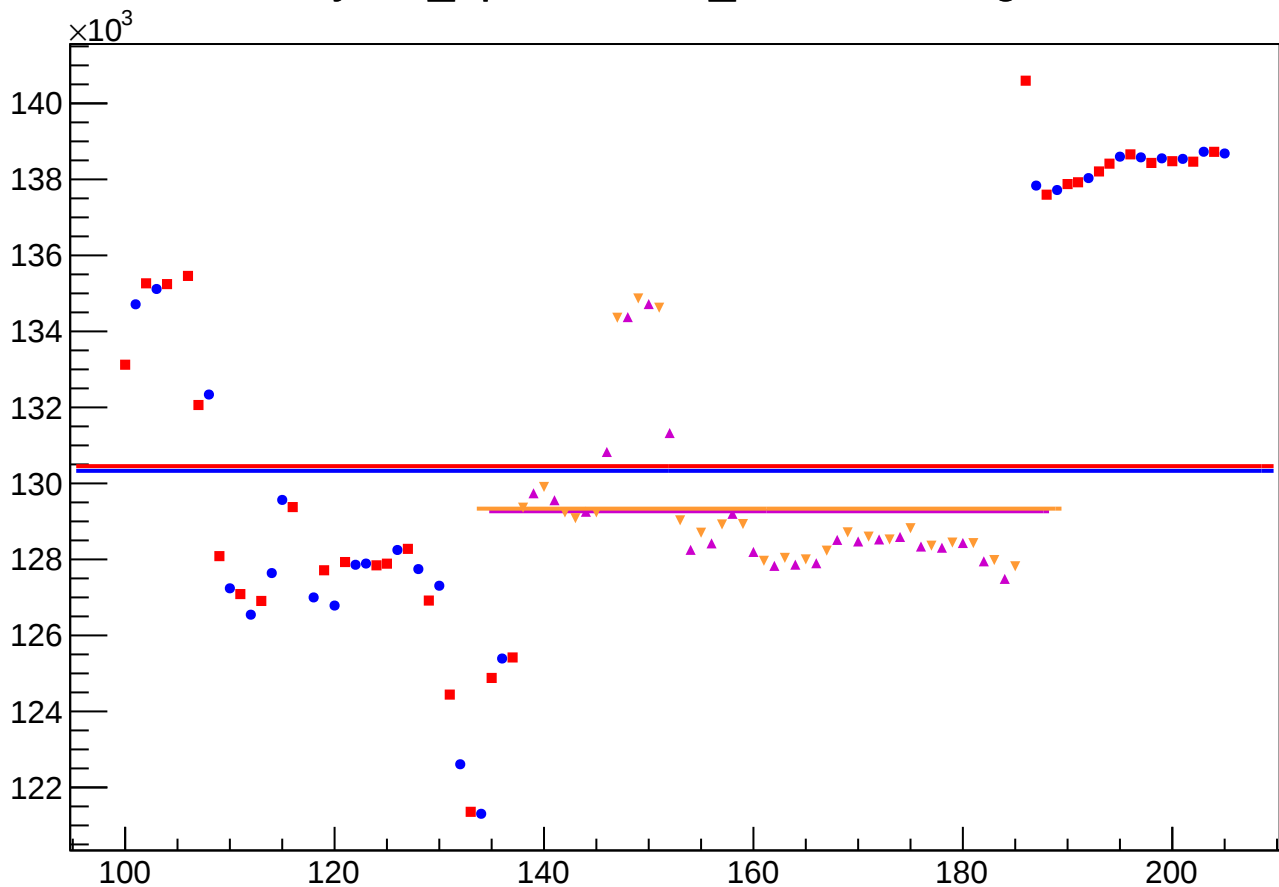
Left In: 197.471 $\pm$ 0.034 χ^2 /NDF: 791577.5/22

+ sign 197.928 $\pm$ 0.026 χ^2 /NDF: 4563837.0/50

All: 197.015 $\pm$ 0.018 χ^2 /NDF: 9617147.7/103

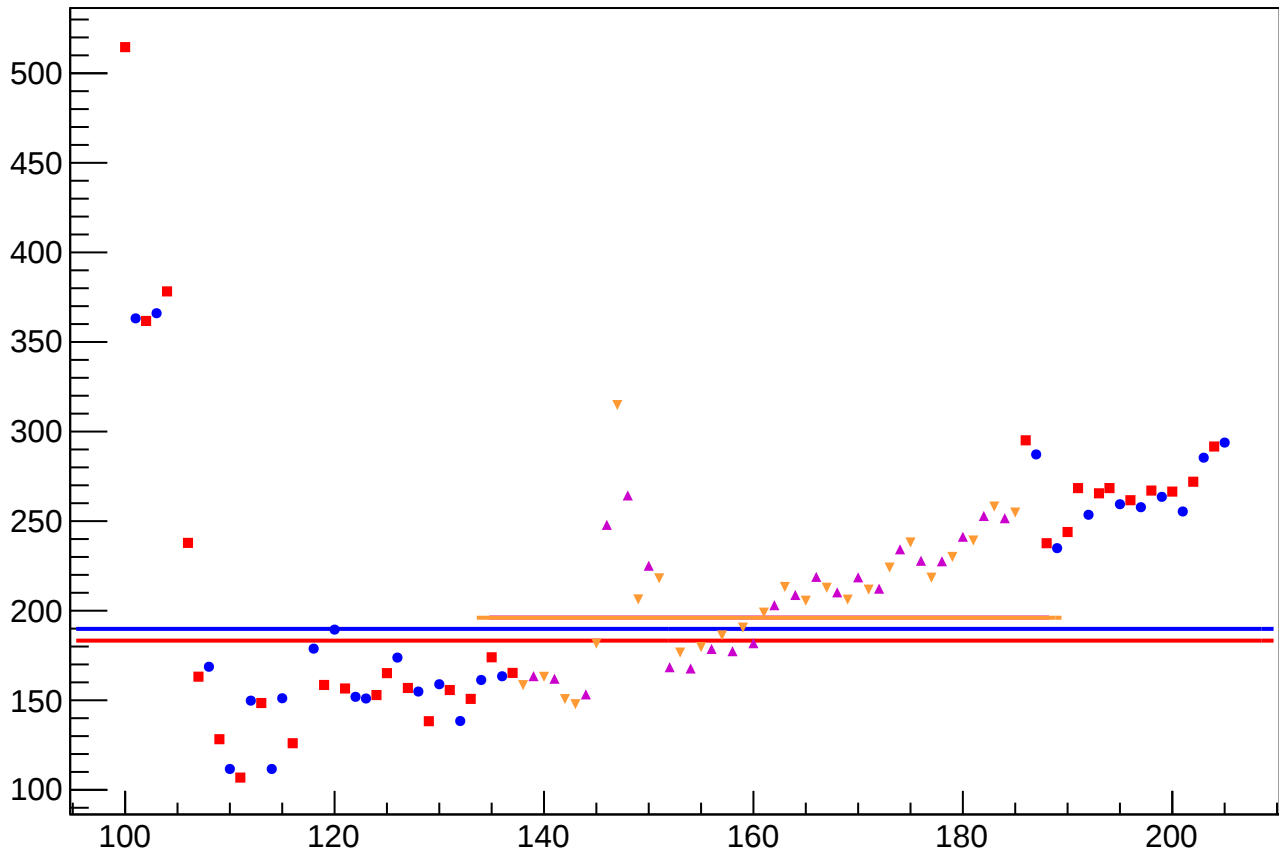
- sign 196.111 $\pm$ 0.026 χ^2 /NDF: 5050892.5/52

yield_bpm0l05WS_mean vs Slug



Right In: 130330.665 $\pm$ 0.056 χ^2 /NDF: 10049400577.1/25
 Left Out: 129335.946 $\pm$ 0.047 χ^2 /NDF: 1450933621.0/24
 Right Out: 130454.296 $\pm$ 0.052 χ^2 /NDF: 10840665946.6/29
 Left In: 129266.909 $\pm$ 0.048 χ^2 /NDF: 1213762773.1/22
 + sign 129743.111 $\pm$ 0.036 χ^2 /NDF: 11685829785.
 All: 129777.315 $\pm$ 0.025 χ^2 /NDF: 240204765.
 - sign 129810.651 $\pm$ 0.035 χ^2 /NDF: 12332855501.4

yield_bpm0l05WS_rms vs Slug



Right In: 189.853 ± 0.040 χ^2/NDF : 2346530.3/25

Left Out: 196.077 ± 0.033 χ^2/NDF : 975710.9/24

Right Out: 183.298 ± 0.037 χ^2/NDF : 2953472.0/29

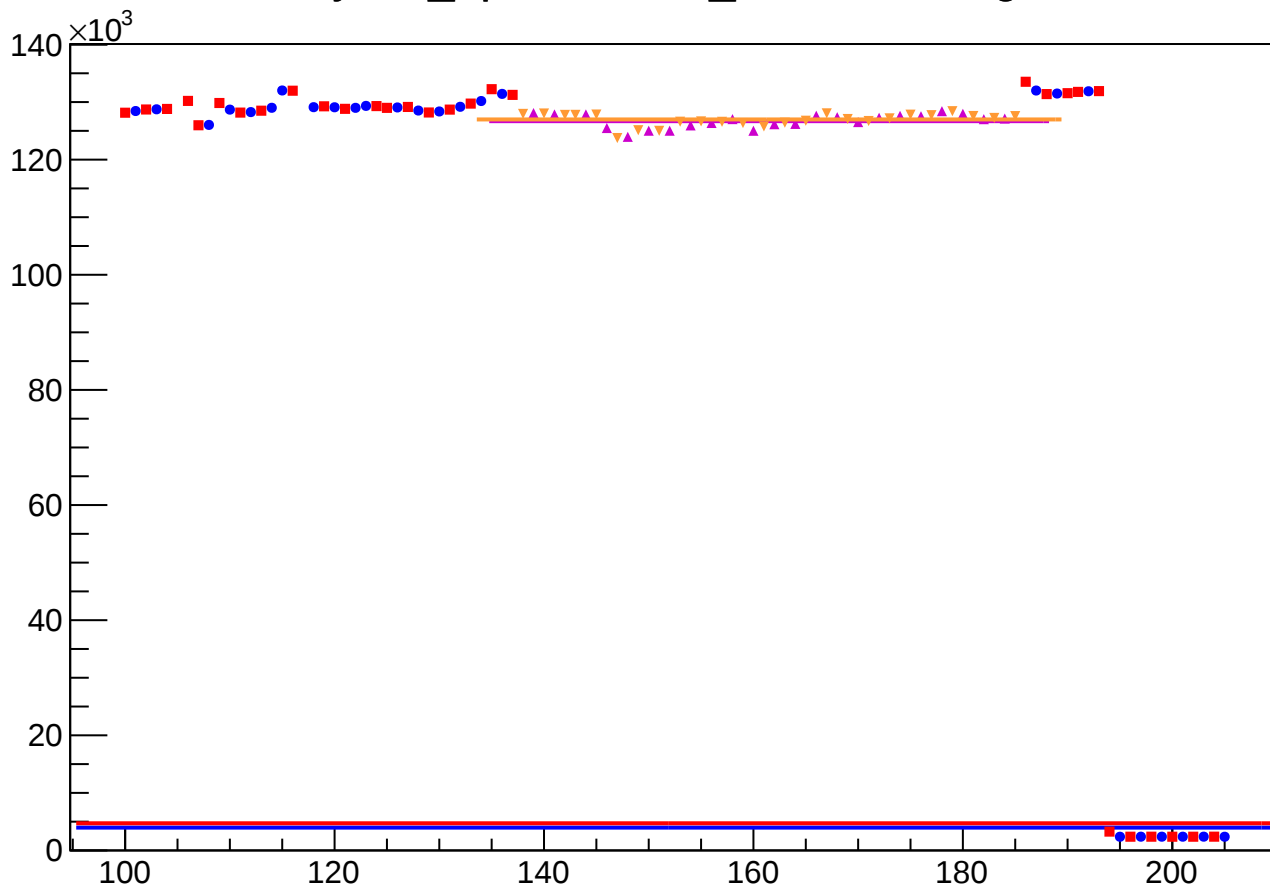
Left In: 196.186 ± 0.034 χ^2/NDF : 898058.0/22

+ sign 193.530 ± 0.025 χ^2/NDF : 3336766.6/50

All: 191.886 ± 0.018 χ^2/NDF : 7262175.3/103

- sign 190.284 ± 0.025 χ^2/NDF : 3917136.5/52

yield_bpm0l06WS_mean vs Slug



Right In: 3969.499 ± 0.006 $\chi^2/\text{NDF}: 4870229274996.6/25$

Left Out: 126981.724 ± 0.046 $\chi^2/\text{NDF}: 530573115.8/24$

Right Out: 4721.278 ± 0.007 $\chi^2/\text{NDF}: 5777748228100.8/29$

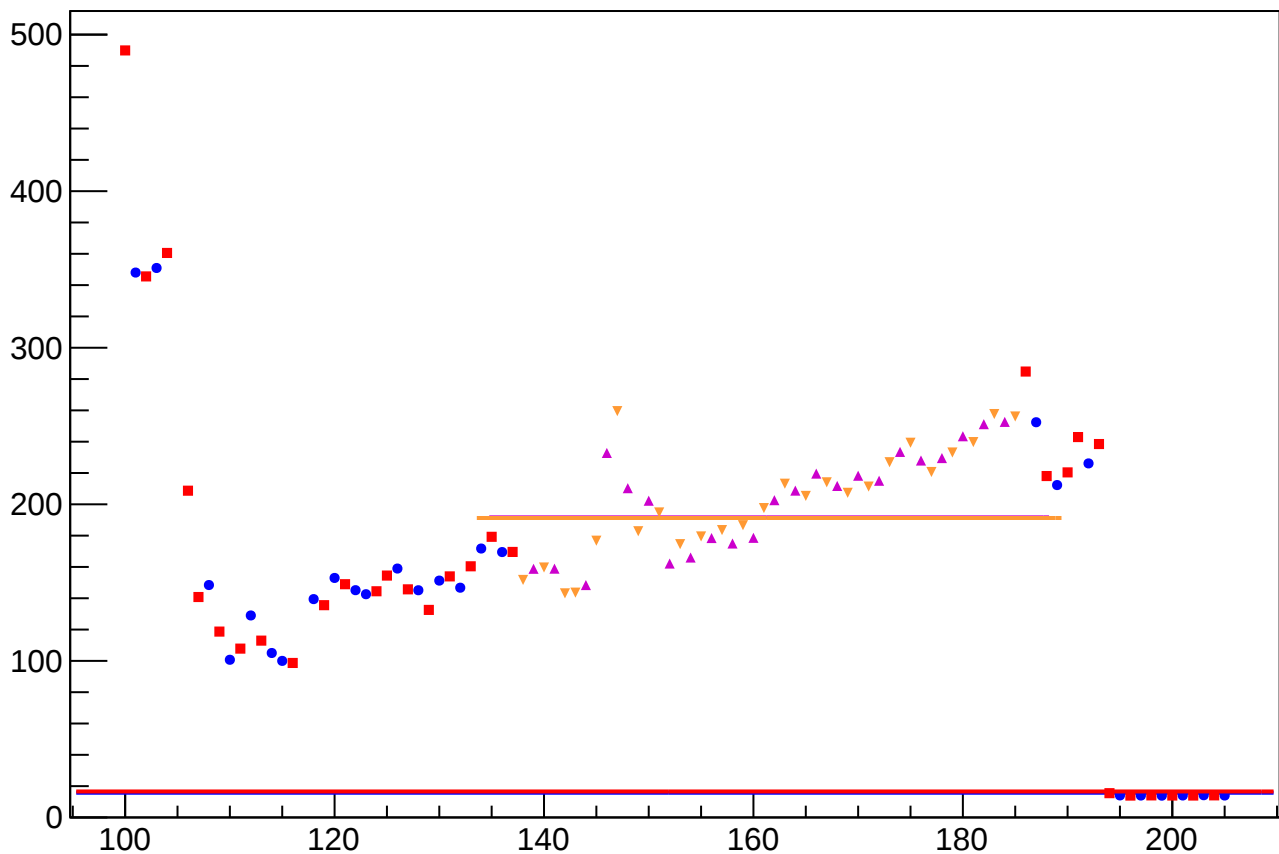
Left In: 126682.659 ± 0.047 $\chi^2/\text{NDF}: 660415880.0/22$

+ sign 6338.248 ± 0.006 $\chi^2/\text{NDF}: 12032155165673$

All: 6806.568 ± 0.005 $\chi^2/\text{NDF}: 24412111456$

- sign 7369.264 ± 0.007 $\chi^2/\text{NDF}: 12367856346179$

yield_bpm0l06WS_rms vs Slug



Right In: 15.783+/-0.005 χ^2/NDF : 13257709.8/25

Left Out: 191.263+/-0.032 χ^2/NDF : 992566.2/24

Right Out: 16.598+/-0.005 χ^2/NDF : 15494056.7/29

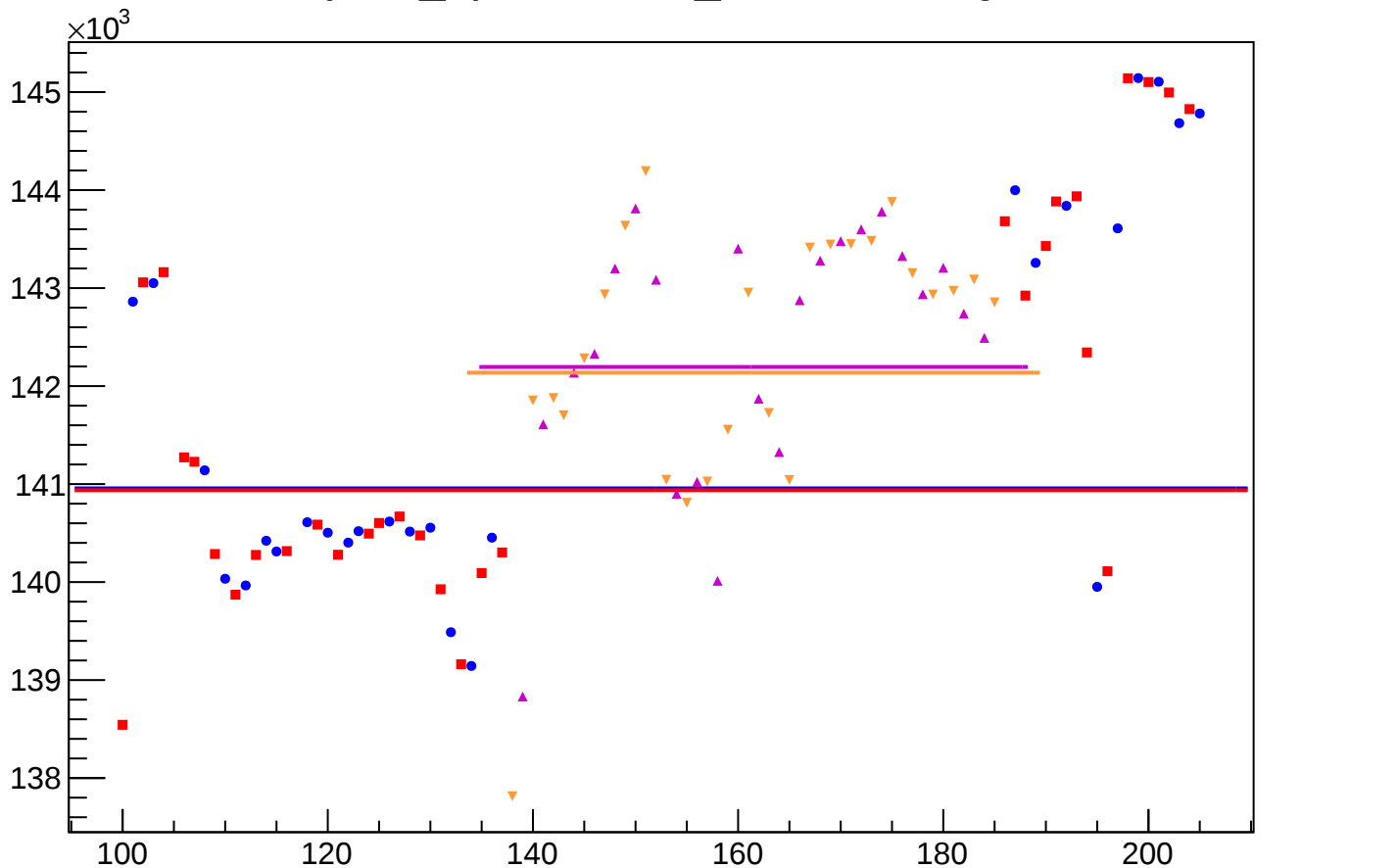
Left In: 191.683+/-0.033 χ^2/NDF : 864384.9/22

+ sign 19.162+/-0.004 χ^2/NDF : 43396725.3/50

All: 19.724+/-0.003 χ^2/NDF : 86949927.5/103

- sign 20.400+/-0.005 χ^2/NDF : 43518340.2/52

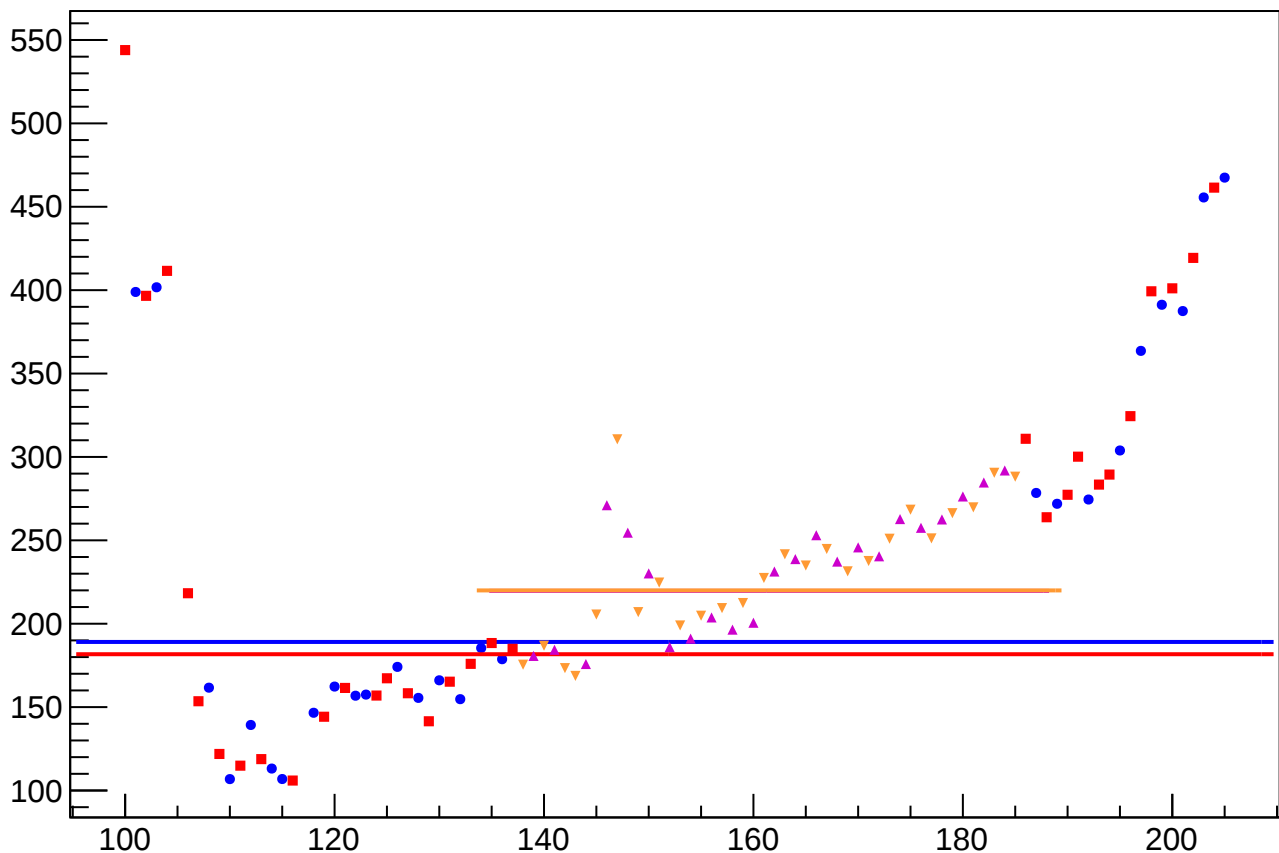
yield_bpm0l07WS_mean vs Slug



Right In: 140956.064 ± 0.058 $\chi^2/\text{NDF}: 653576070.8/25$
 Left Out: 142136.579 ± 0.052 $\chi^2/\text{NDF}: 815573343.0/24$
 Right Out: 140937.000 ± 0.054 $\chi^2/\text{NDF}: 701483875.1/29$
 Left In: 142195.020 ± 0.054 $\chi^2/\text{NDF}: 644030906.9/22$

+ sign 141610.623 ± 0.039 $\chi^2/\text{NDF}: 1695925336.2/24$
 All: 141587.570 ± 0.027 $\chi^2/\text{NDF}: 331507516.0/24$
 - sign 141565.559 ± 0.038 $\chi^2/\text{NDF}: 1618465548.4/24$

yield_bpm0l07WS_rms vs Slug



Right In: 189.073+/-0.041 χ^2/NDF : 4491982.0/25

Left Out: 219.969+/-0.037 χ^2/NDF : 866616.3/24

Right Out: 181.716+/-0.038 χ^2/NDF : 4913338.6/29

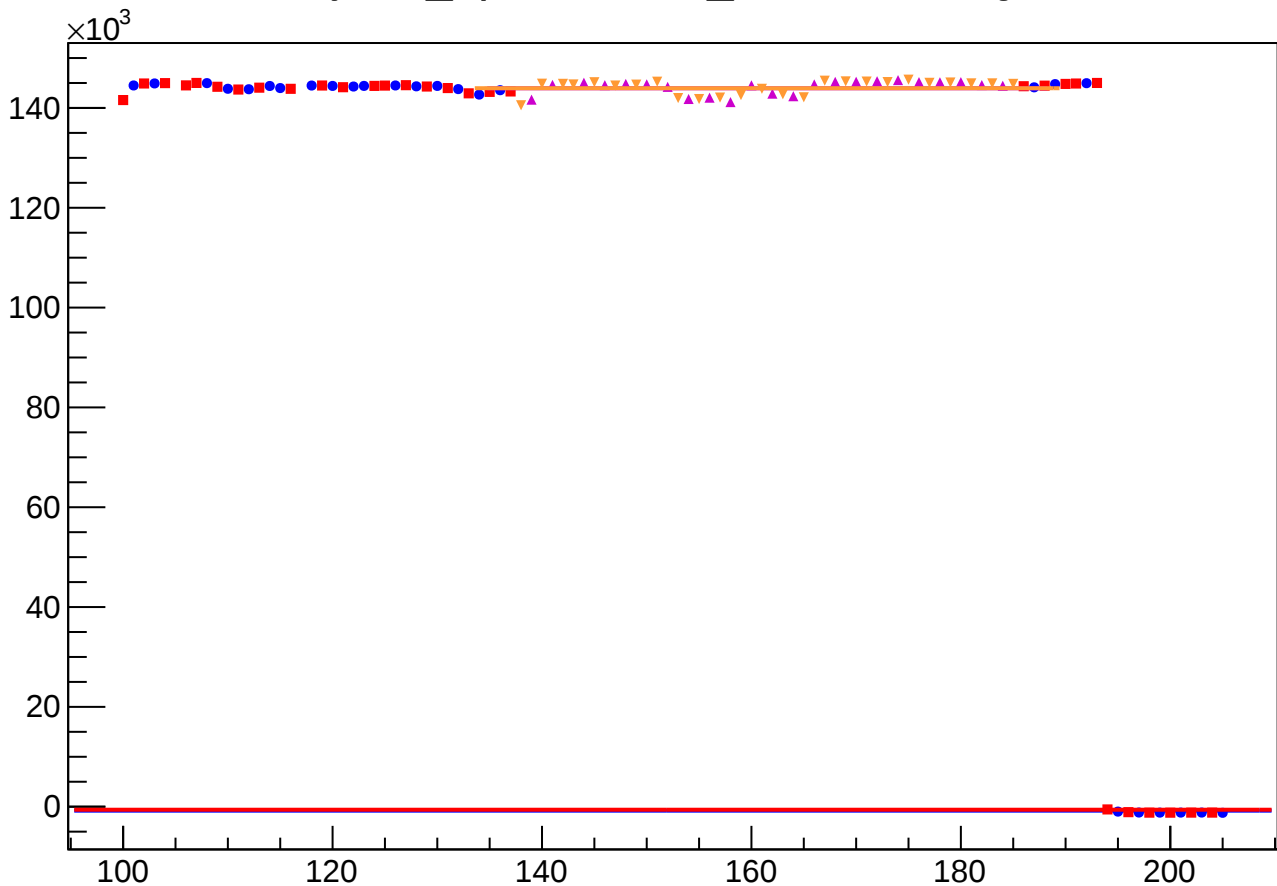
Left In: 219.685+/-0.038 χ^2/NDF : 812745.1/22

+ sign 206.204+/-0.028 χ^2/NDF : 5669262.3/50

All: 203.381+/-0.019 χ^2/NDF : 11913138.2/10

- sign 200.686+/-0.027 χ^2/NDF : 6223359.5/52

yield_bpm0l08WS_mean vs Slug



Right In: -790.612 $\pm$ 0.003 χ^2 /NDF: 5292633373259.6/25

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

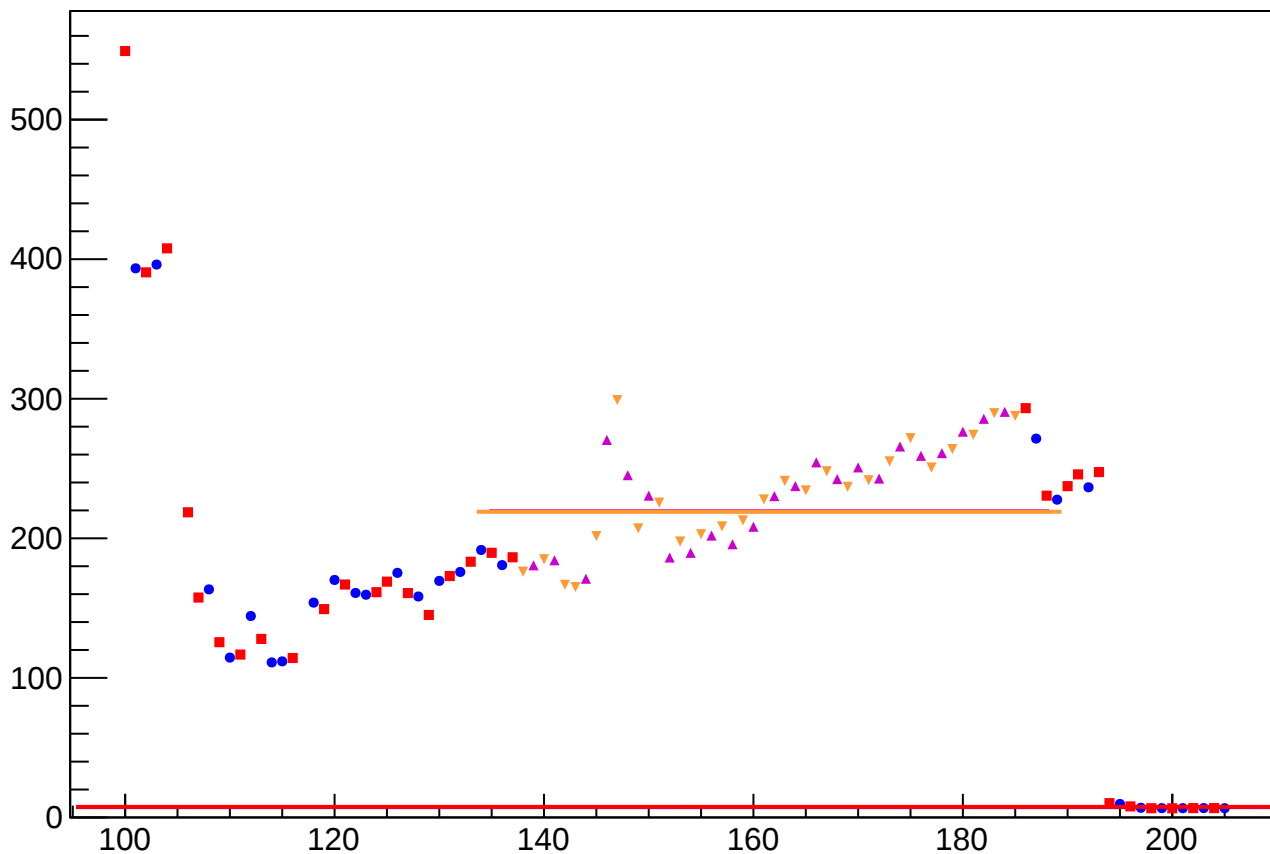
Left In: 143938.288 $\pm$ 0.054 χ^2 /NDF: 719814685.6/22

+ sign -240.719 $\pm$ 0.003 χ^2 /NDF: 12971803792105

All: -128.579 $\pm$ 0.002 χ^2 /NDF: 26543404114

- sign 5.059 $\pm$ 0.004 χ^2 /NDF: 13568931292266.2/5

yield_bpm0l08WS_rms vs Slug



Right In: 7.413 ± 0.002 χ^2/NDF : 14899674.2/25

Left Out: 219.050 ± 0.037 χ^2/NDF : 934417.6/24

Right Out: 7.566 ± 0.002 χ^2/NDF : 17421256.4/29

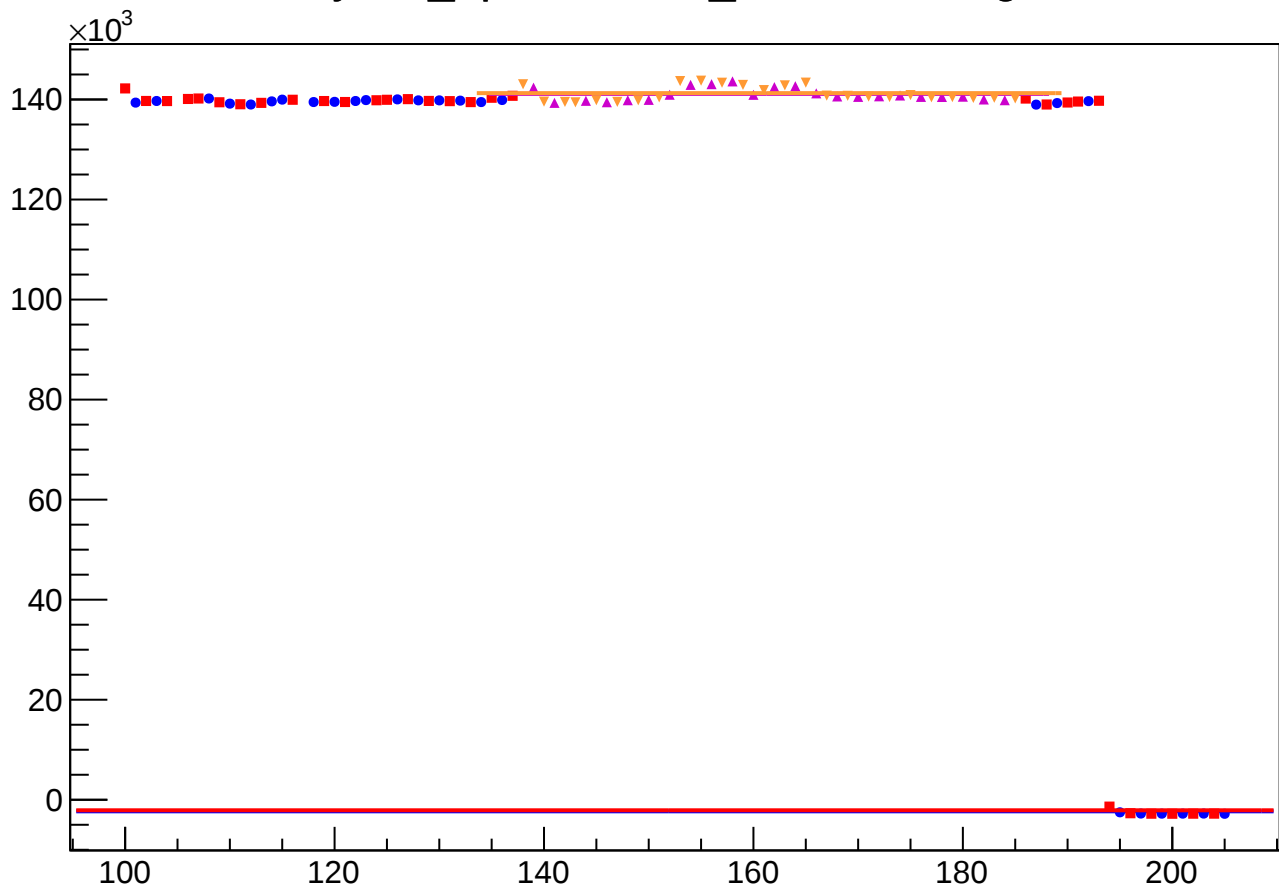
Left In: 219.426 ± 0.038 χ^2/NDF : 850089.5/22

+ sign 8.217 ± 0.002 χ^2/NDF : 48665376.0/50

All: 8.330 ± 0.002 χ^2/NDF : 97777615.6/103

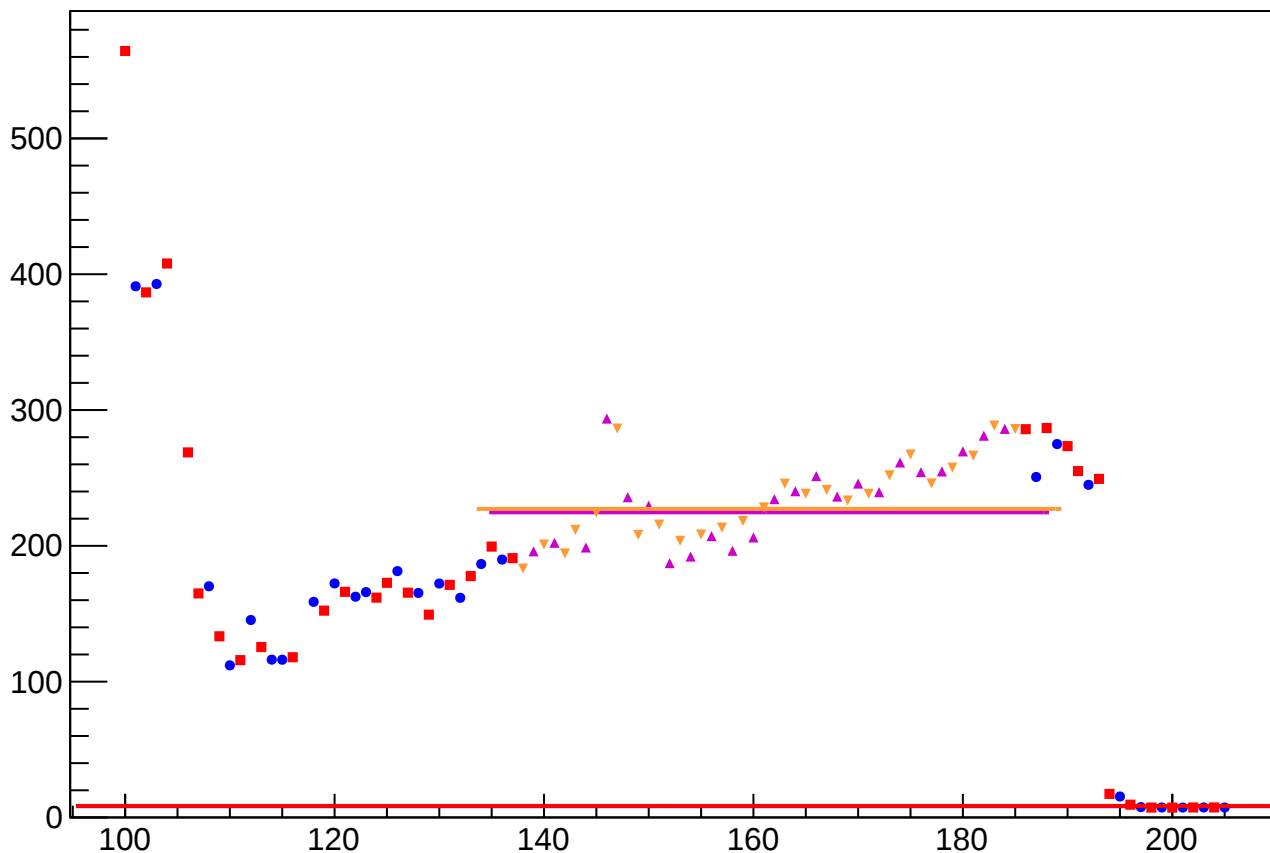
- sign 8.465 ± 0.002 χ^2/NDF : 49106804.8/52

yield_bpm0l09WS_mean vs Slug



Right In: -2309.414 $\pm$ 0.004 χ^2 /NDF: 4861007150465.5/25
 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 -1652.108 $\pm$ 0.004 χ^2 /NDF: 1197806983295
 All: -1518.541 $\pm$ 0.003 χ^2 /NDF: 2452830688
 - sign -1359.675 $\pm$ 0.004 χ^2 /NDF: 1254727825381

yield_bpm0l09WS_rms vs Slug



Right In: 8.293 ± 0.003 χ^2/NDF : 15046562.4/25

Left Out: 227.224 ± 0.038 χ^2/NDF : 484955.3/24

Right Out: 8.481 ± 0.003 χ^2/NDF : 17447939.3/29

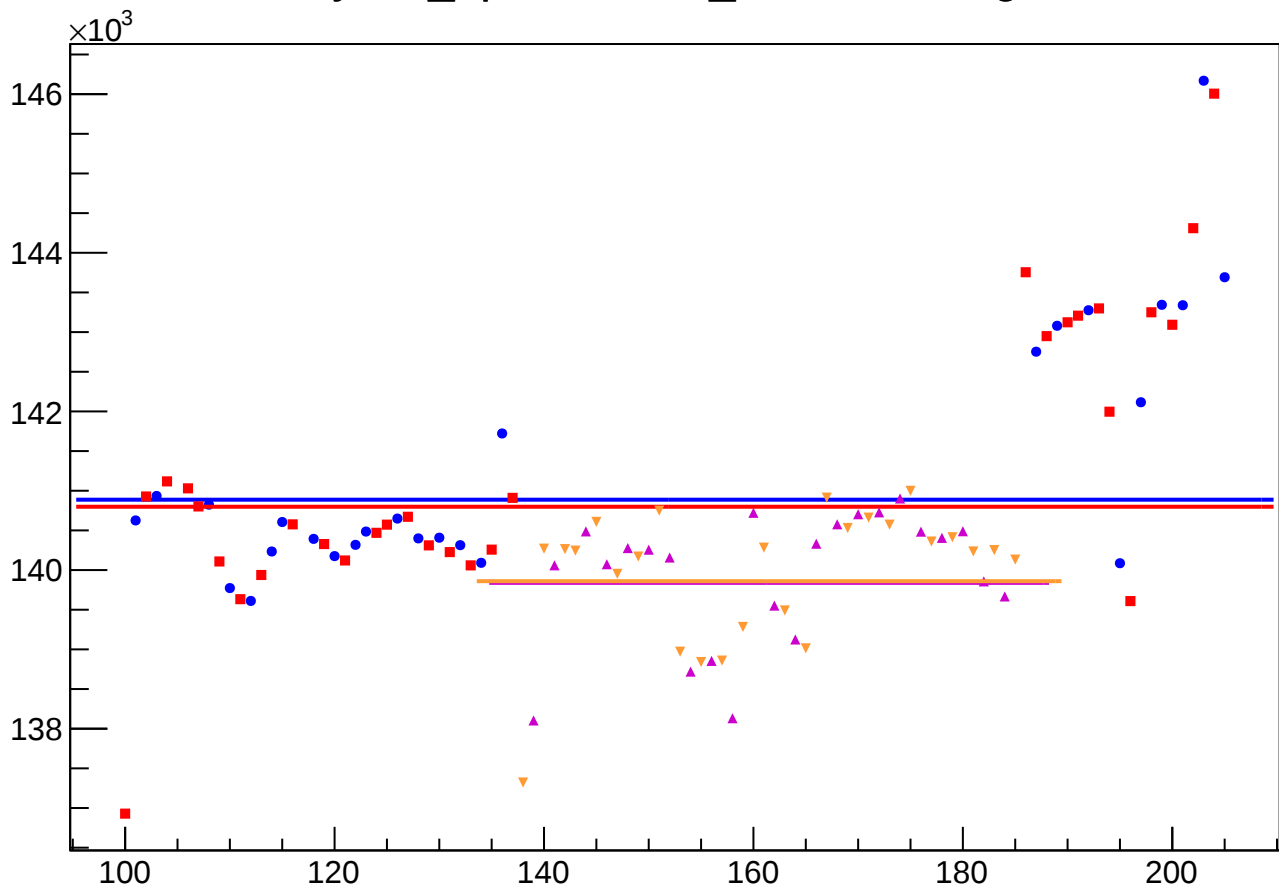
Left In: 224.686 ± 0.039 χ^2/NDF : 578366.0/22

+ sign 9.295 ± 0.003 χ^2/NDF : 48623364.9/50

All: 9.438 ± 0.002 χ^2/NDF : 97496279.0/103

- sign 9.607 ± 0.003 χ^2/NDF : 48866170.9/52

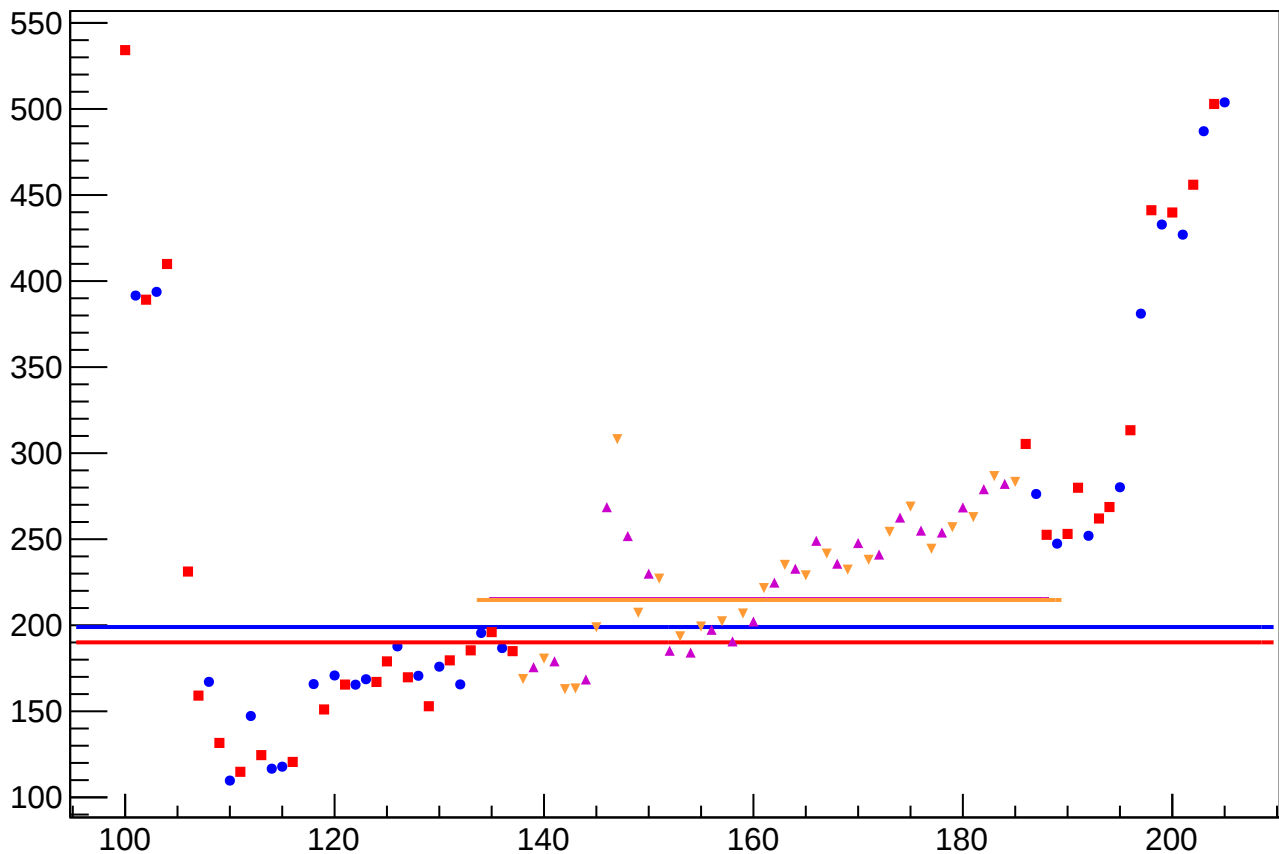
yield_bpm0l10WS_mean vs Slug



Right In: 140887.133 $\pm$ 0.061 χ^2 /NDF: 428261737.9/25
 Left Out: 139859.696 $\pm$ 0.051 χ^2 /NDF:330118281.5/24
 Right Out: 140798.428 $\pm$ 0.056 χ^2 /NDF: 504374298.0/29
 Left In: 139838.724 $\pm$ 0.053 χ^2 /NDF:279573689.3/22

+ sign 140282.286 $\pm$ 0.039 χ^2 /NDF: 924676473.7/5
 All: 140286.931 $\pm$ 0.027 χ^2 /NDF: 186448583
 - sign 140291.382 $\pm$ 0.038 χ^2 /NDF: 939781872.3/5

yield_bpm0l10WS_rms vs Slug



Right In: 198.964+/-0.043 χ^2/NDF : 4206412.2/25

Left Out: 214.693+/-0.036 χ^2/NDF : 981105.5/24

Right Out: 190.058+/-0.040 χ^2/NDF : 4519884.2/29

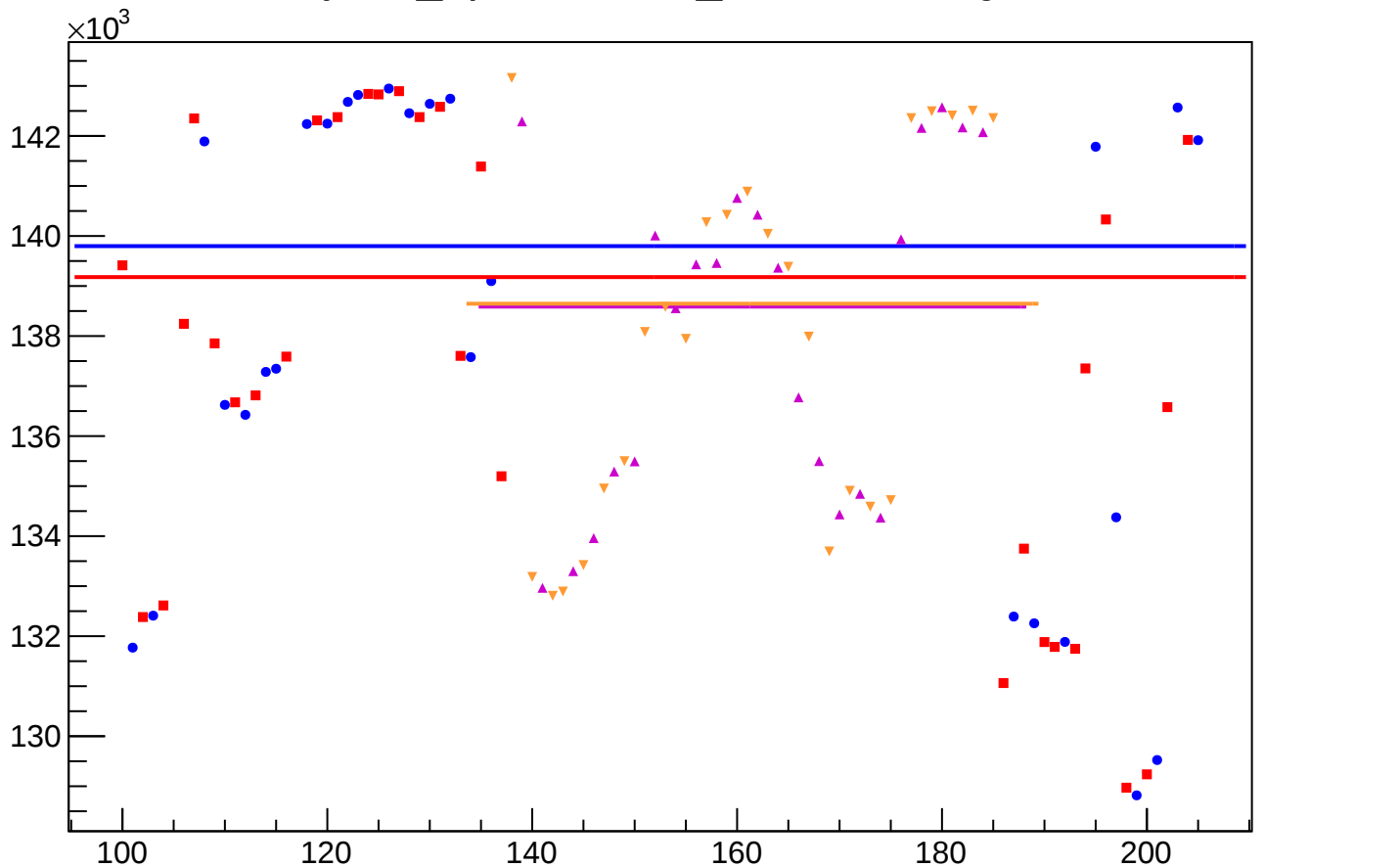
Left In: 215.222+/-0.037 χ^2/NDF : 881945.0/22

+ sign 208.223+/-0.028 χ^2/NDF : 5265462.0/50

All: 205.736+/-0.019 χ^2/NDF : 10897326.4/10

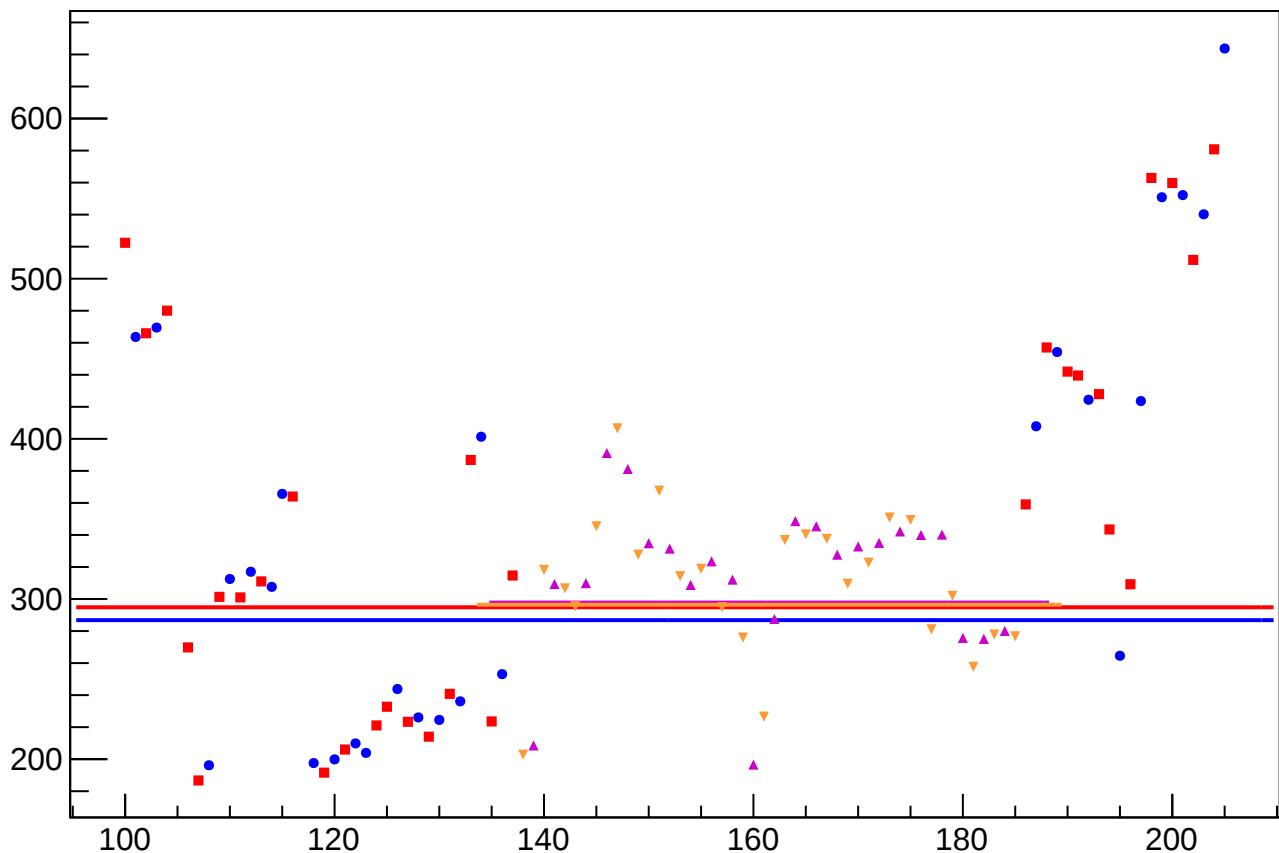
- sign 203.353+/-0.027 χ^2/NDF : 5616101.7/52

yield_bpm0r03WS_mean vs Slug



Right In: 139797.512 $\pm$ 0.087	χ^2 /NDF: 2196546585.7/25	+ sign 139107.012 $\pm$ 0.055	χ^2 /NDF: 4850820693.9
Left Out: 138646.366 $\pm$ 0.071	χ^2 /NDF: 2548637600.4/24	All: 138976.451 $\pm$ 0.039	χ^2 /NDF: 918621785
Right Out: 139178.344 $\pm$ 0.085	χ^2 /NDF: 2348291266.9/29	- sign 138842.399 $\pm$ 0.056	χ^2 /NDF: 4323923404.9/28
Left In: 138588.711 $\pm$ 0.074	χ^2 /NDF: 1948065195.1/22		

yield_bpm0r03WS_rms vs Slug



Right In: 286.805 $\pm$ 0.061 χ^2 /NDF: 3270885.5/25

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

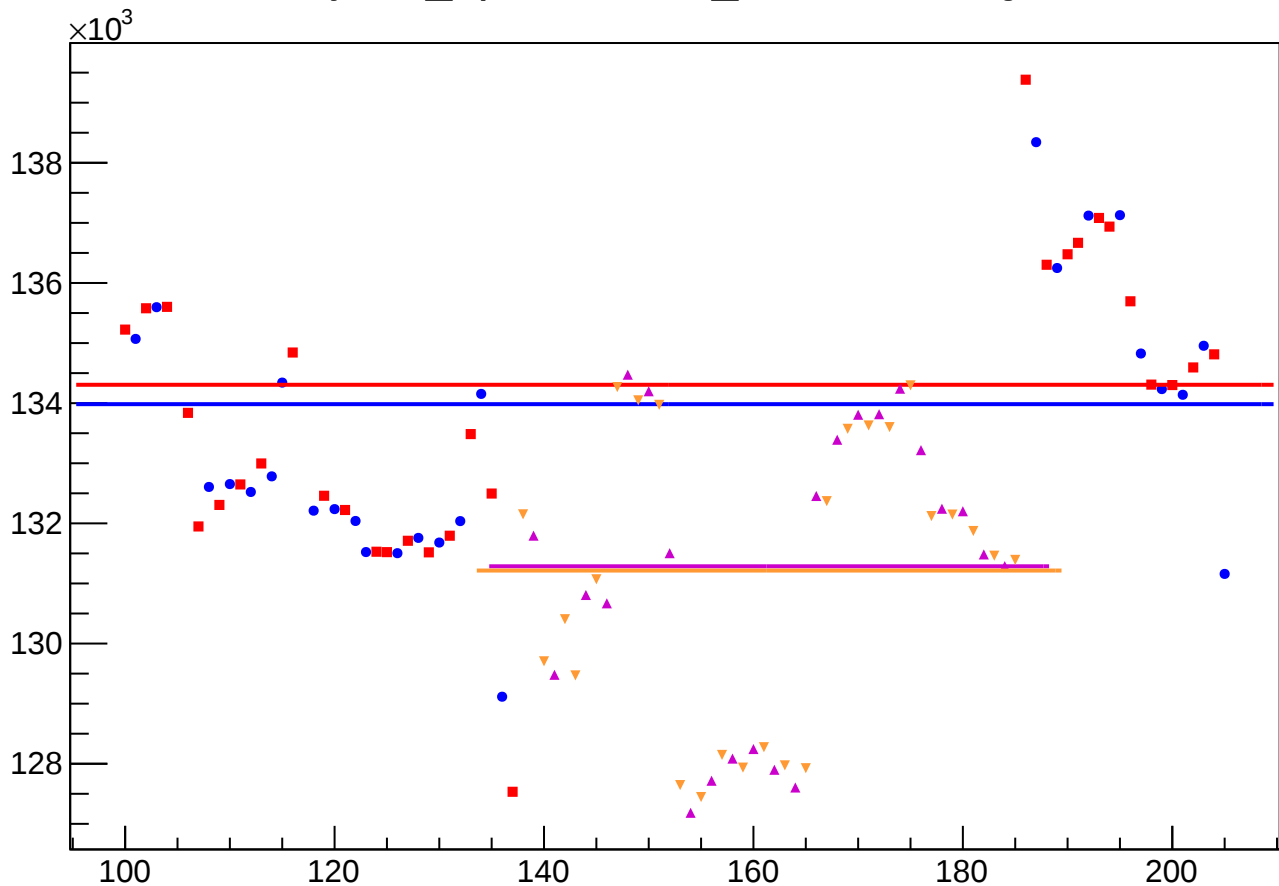
Left In: 297.774 $\pm$ 0.052 χ^2 /NDF:1061489.5/22

+ sign 292.599 $\pm$ 0.039 χ^2 /NDF: 4179341.3/50

All: 294.530 $\pm$ 0.028 χ^2 /NDF: 8498624.0/103

- sign 296.512 $\pm$ 0.039 χ^2 /NDF: 4314265.6/52

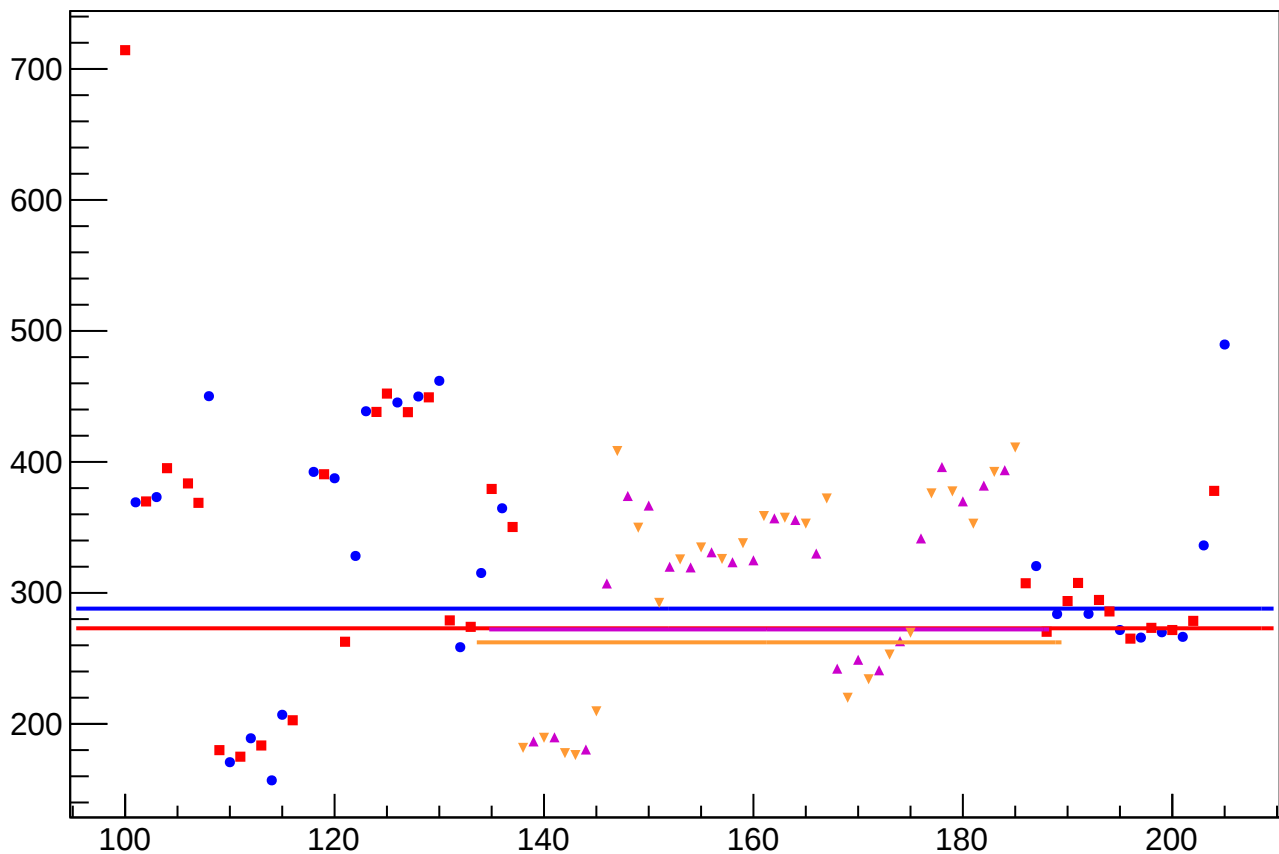
yield_bpm0r05WS_mean vs Slug



Right In: 133983.561 $\pm$ 0.084 χ^2 /NDF: 623661441.9/25
 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 132240.817 $\pm$ 0.051 χ^2 /NDF: 2483673212.5/25
 All: 132437.757 $\pm$ 0.036 χ^2 /NDF: 511972242.1/24
 - sign 132633.352 $\pm$ 0.051 χ^2 /NDF: 2606360050.3/25

yield_bpm0r05WS_rms vs Slug



Right In: 288.013 $\pm$ 0.059 χ^2 /NDF: 1852251.9/25

Left Out: 262.260 $\pm$ 0.045 χ^2 /NDF:2818169.1/24

Right Out: 272.980 $\pm$ 0.054 χ^2 /NDF: 1776409.5/29

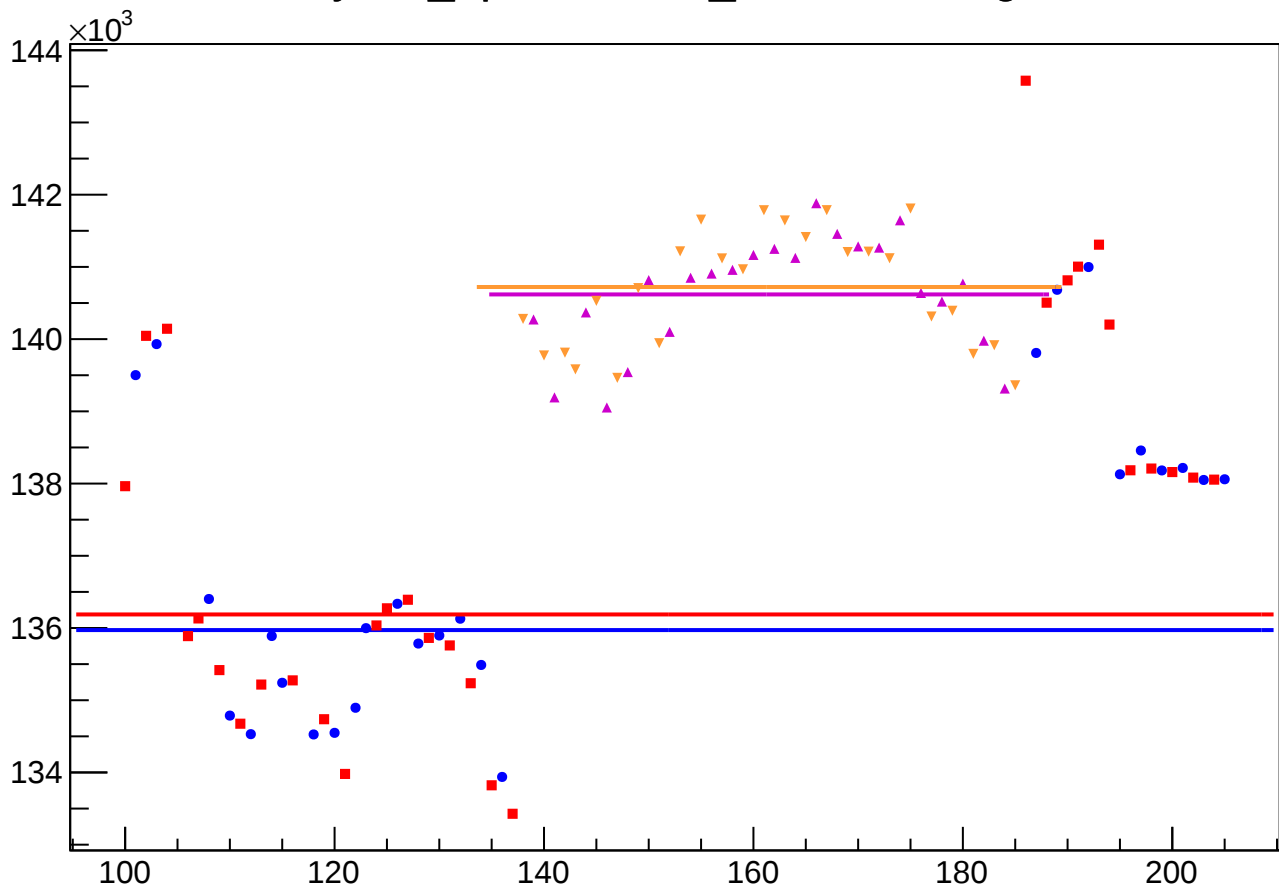
Left In: 272.115 $\pm$ 0.048 χ^2 /NDF:2221925.0/22

+ sign 271.802 $\pm$ 0.036 χ^2 /NDF: 4789234.3/50

All: 272.153 $\pm$ 0.025 χ^2 /NDF: 8787900.4/103

- sign 272.501 $\pm$ 0.036 χ^2 /NDF: 3998477.8/52

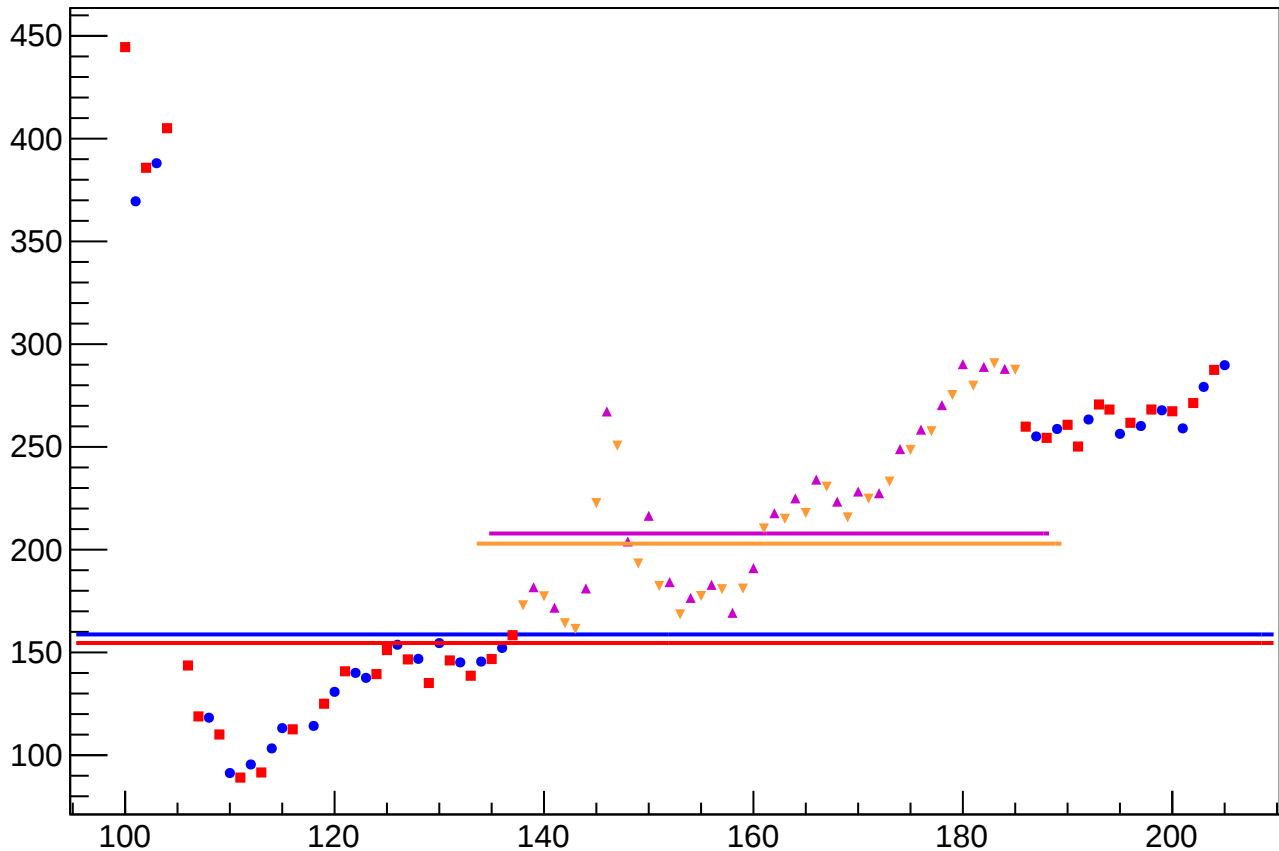
yield_bpm0i02WS_mean vs Slug



Right In: 135971.483 $\pm$ 0.048 χ^2 /NDF: 1412217780.7/25
 Left Out: 140721.823 $\pm$ 0.048 χ^2 /NDF: 247257762.8/24
 Right Out: 136187.882 $\pm$ 0.046 χ^2 /NDF: 2054283043.9/29
 Left In: 140619.038 $\pm$ 0.051 χ^2 /NDF: 200370178.0/22

+ sign 138347.627 $\pm$ 0.034 χ^2 /NDF: 6472664682.5
 All: 138248.884 $\pm$ 0.024 χ^2 /NDF: 129336477
 - sign 138151.458 $\pm$ 0.034 χ^2 /NDF: 6444456431.5/

yield_bpm0i02WS_rms vs Slug



Right In: 158.752 $\pm$ 0.034 χ^2 /NDF: 3981440.1/25

Left Out: 202.934 $\pm$ 0.034 χ^2 /NDF:1052283.6/24

Right Out: 154.586 $\pm$ 0.032 χ^2 /NDF: 4562201.6/29

Left In: 207.872 $\pm$ 0.036 χ^2 /NDF:949200.3/22

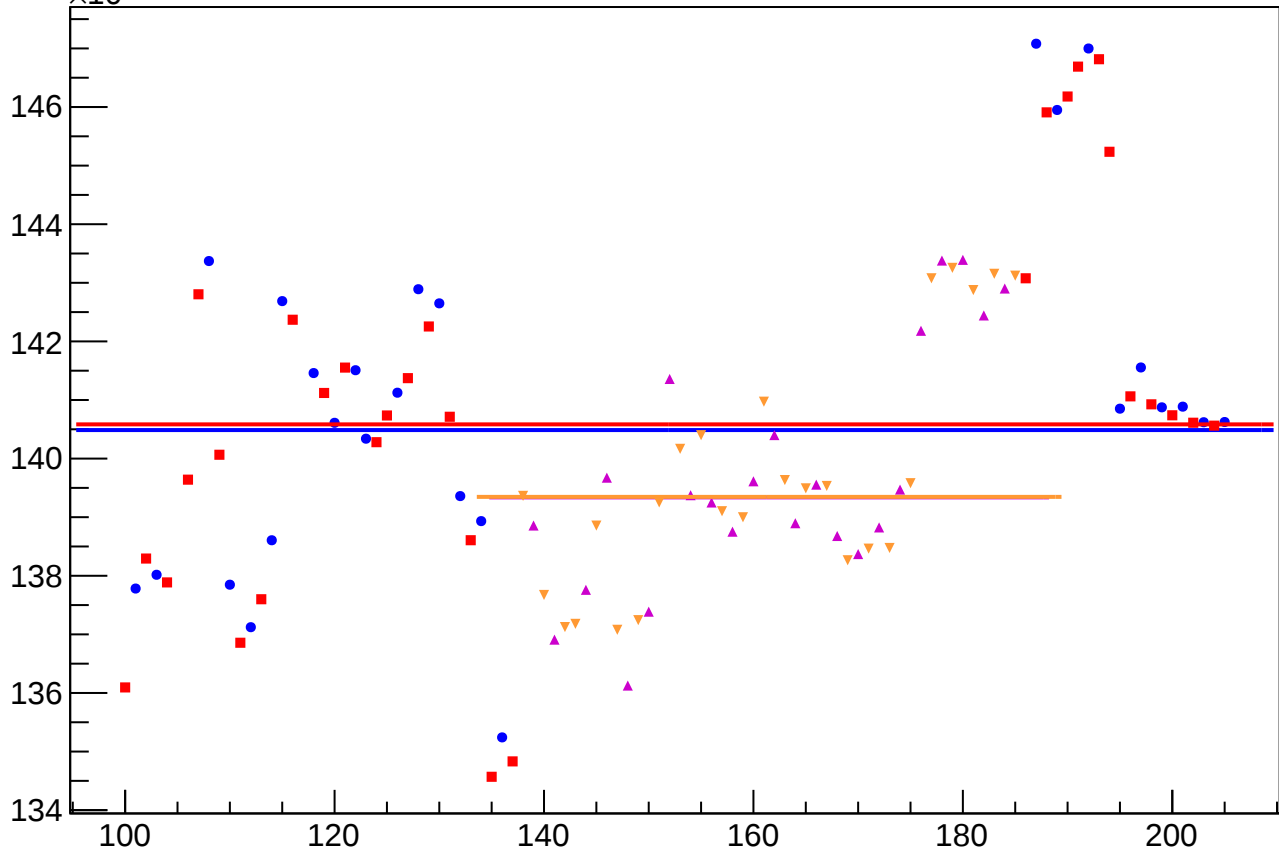
+ sign 180.852 $\pm$ 0.024 χ^2 /NDF: 5866470.6/50

All: 179.516 $\pm$ 0.017 χ^2 /NDF: 12595659.4/10

- sign 178.199 $\pm$ 0.024 χ^2 /NDF: 6723142.4/52

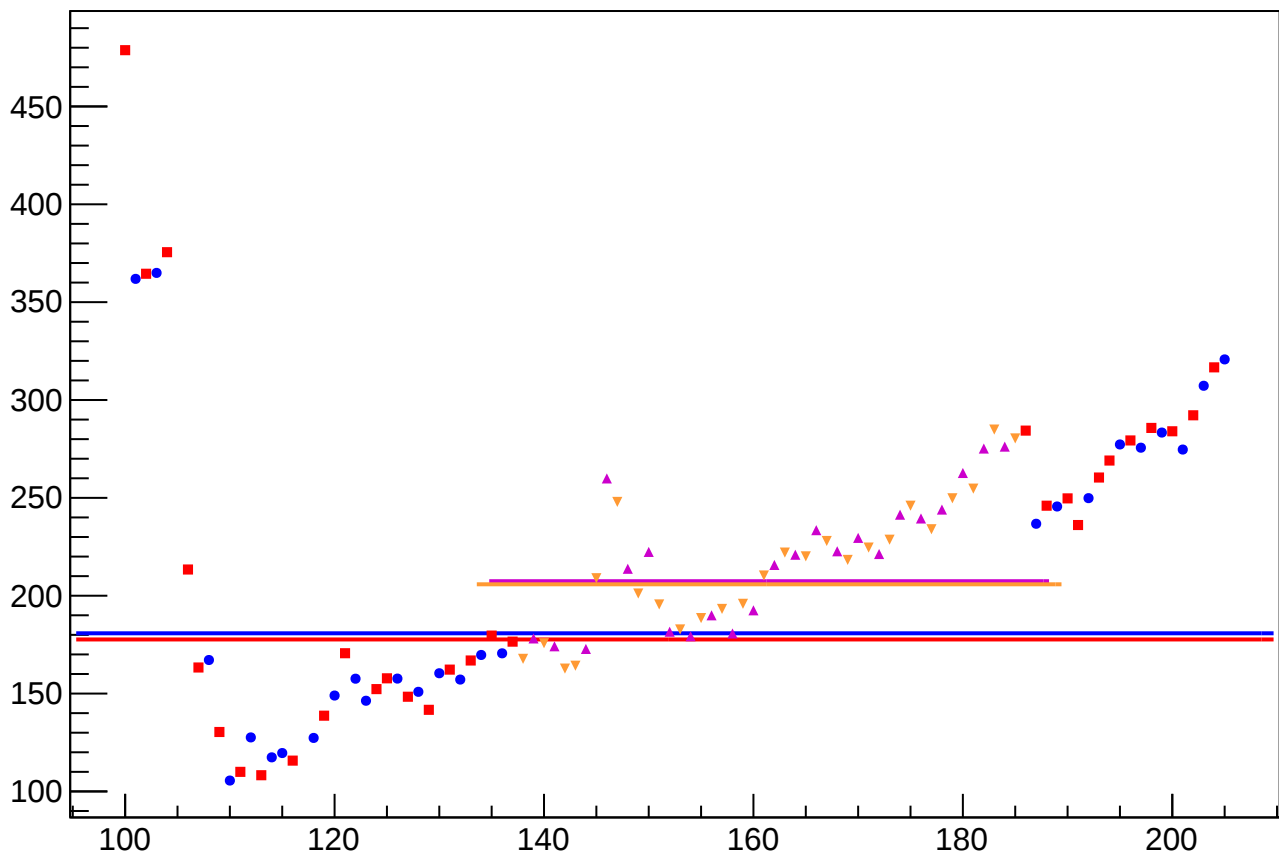
yield_bpm0i02aWS_mean vs Slug

$\times 10^3$



Right In: 140486.744 $\pm$ 0.054 χ^2 /NDF: 2771120328.3/25
 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 139860.238 $\pm$ 0.036 χ^2 /NDF: 4286545229.0
 All: 139908.498 $\pm$ 0.026 χ^2 /NDF: 909247128
 - sign 139956.195 $\pm$ 0.036 χ^2 /NDF: 4802411086.5

yield_bpm0i02aWS_rms vs Slug



Right In: 180.797 $\pm$ 0.038 χ^2 /NDF: 3088019.5/25

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

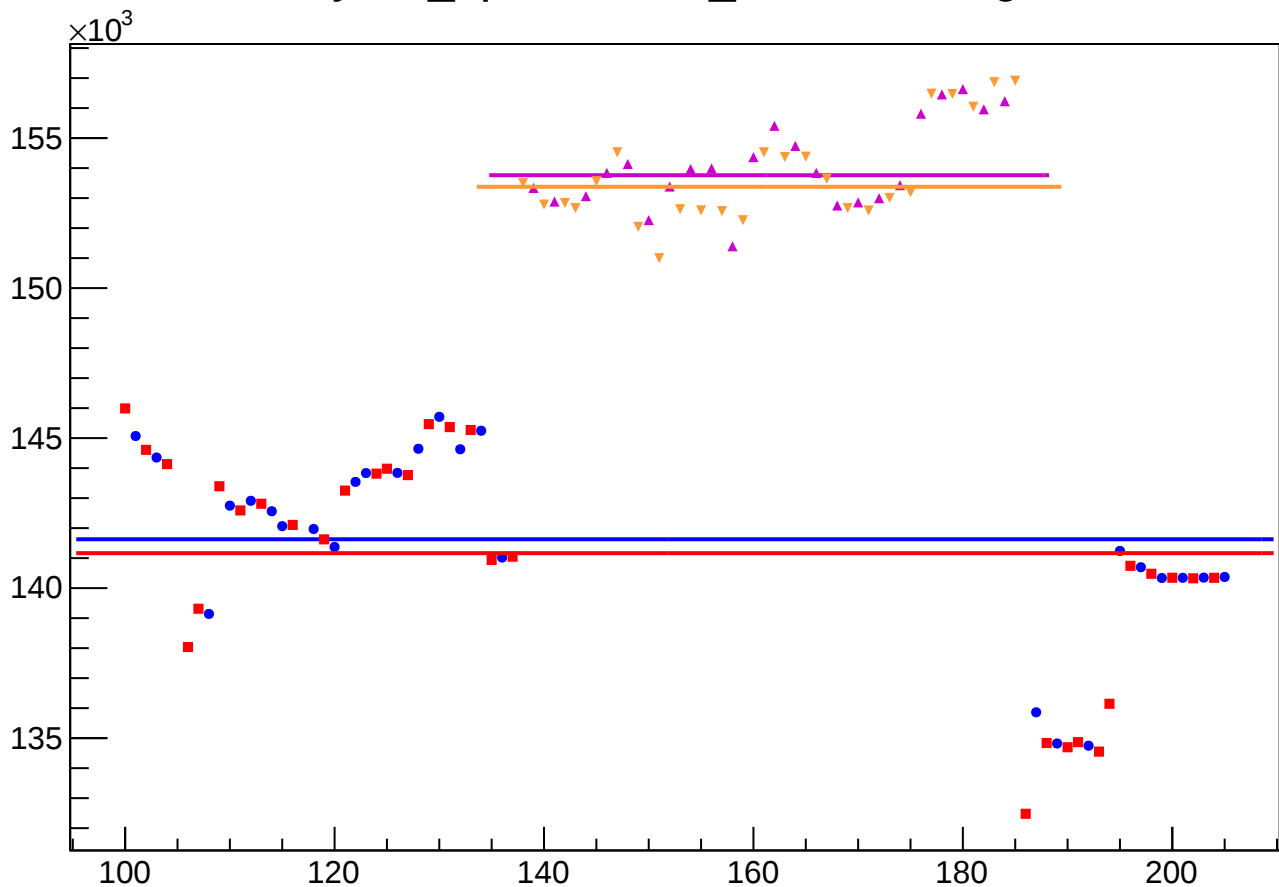
Left In: 207.416 $\pm$ 0.036 χ^2 /NDF: 701955.3/22

+ sign 194.554 $\pm$ 0.026 χ^2 /NDF: 4062231.9/50

All: 193.594 $\pm$ 0.018 χ^2 /NDF: 8630793.6/103

- sign 192.646 $\pm$ 0.026 χ^2 /NDF: 4565781.0/52

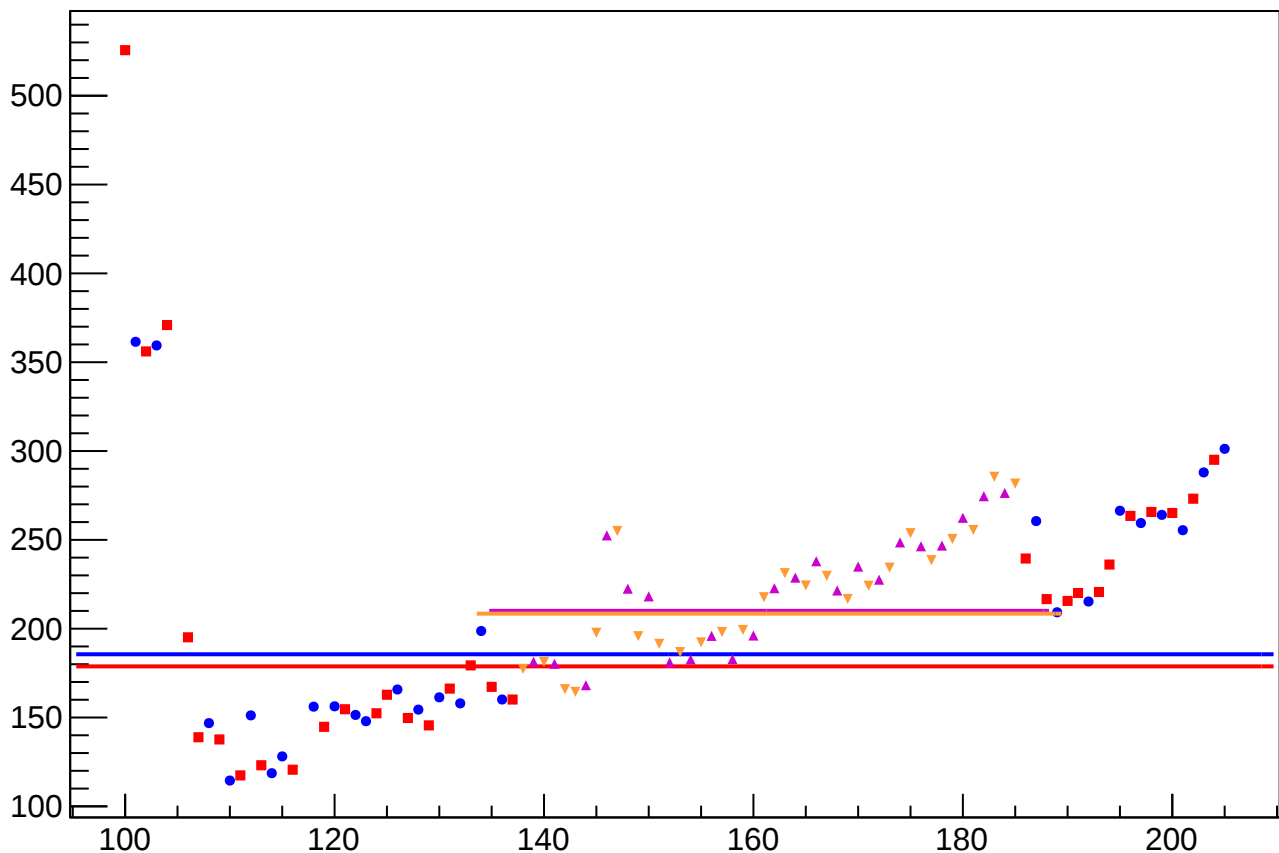
yield_bpm0i05WS_mean vs Slug



Right In: 141628.402 ± 0.055 χ^2/NDF : 2673743399.0/25
 Left Out: 153376.698 ± 0.050 χ^2/NDF : 803848095.1/24
 Right Out: 141165.744 ± 0.051 χ^2/NDF : 4416771910.0/29
 Left In: 153762.419 ± 0.051 χ^2/NDF : 635075685.0/22

+ sign 148070.010 ± 0.037 χ^2/NDF : 28884995994.0/24
 All: 147708.629 ± 0.026 χ^2/NDF : 646032264.0/24
 - sign 147359.095 ± 0.036 χ^2/NDF : 35527277899.0/24

yield_bpm0i05WS_rms vs Slug



Right In: 185.602 $\pm$ 0.039 χ^2 /NDF: 2283332.9/25

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

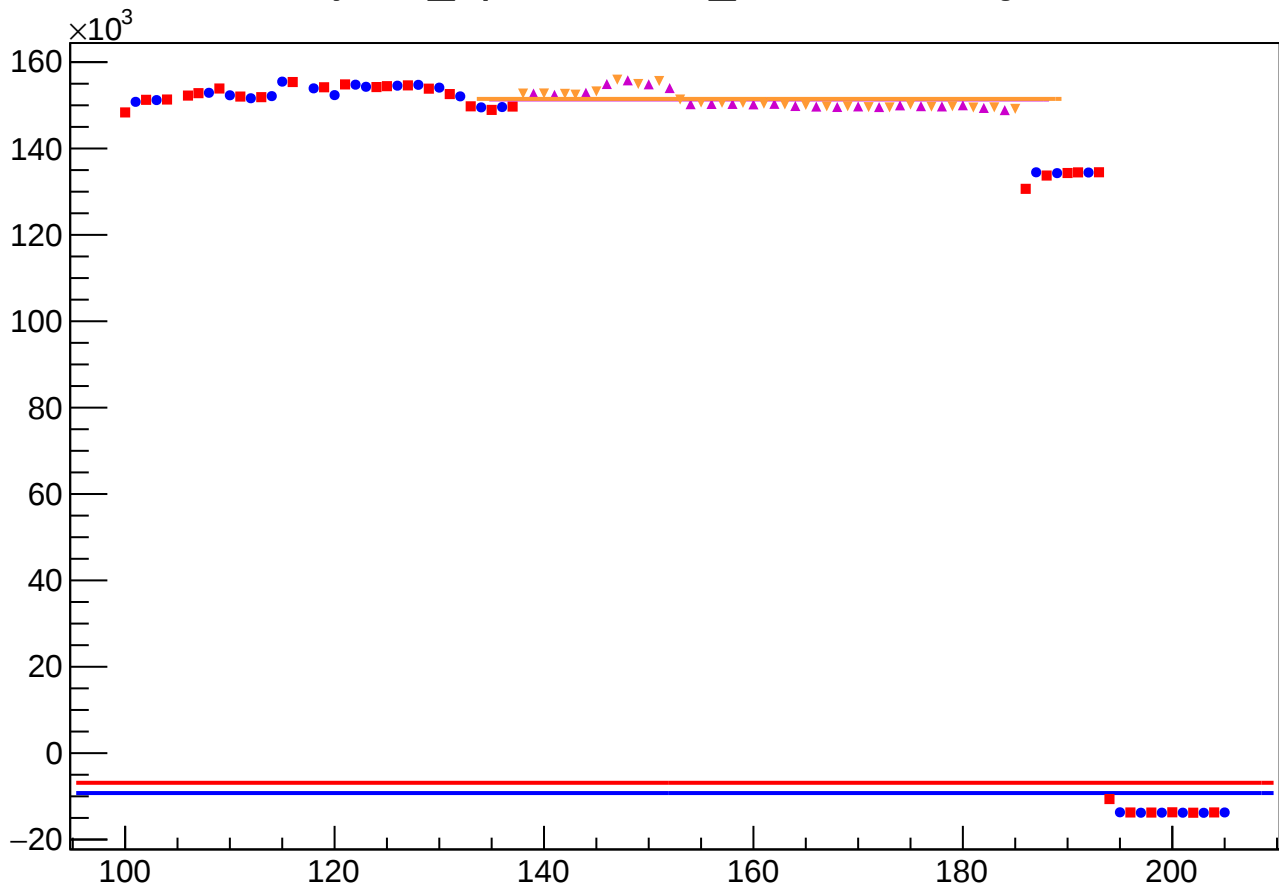
Left In: 210.038 $\pm$ 0.036 χ^2 /NDF: 702369.5/22

+ sign 198.138 $\pm$ 0.026 χ^2 /NDF: 3196681.8/50

All: 196.112 $\pm$ 0.018 χ^2 /NDF: 6851674.5/103

- sign 194.151 $\pm$ 0.026 χ^2 /NDF: 3642979.6/52

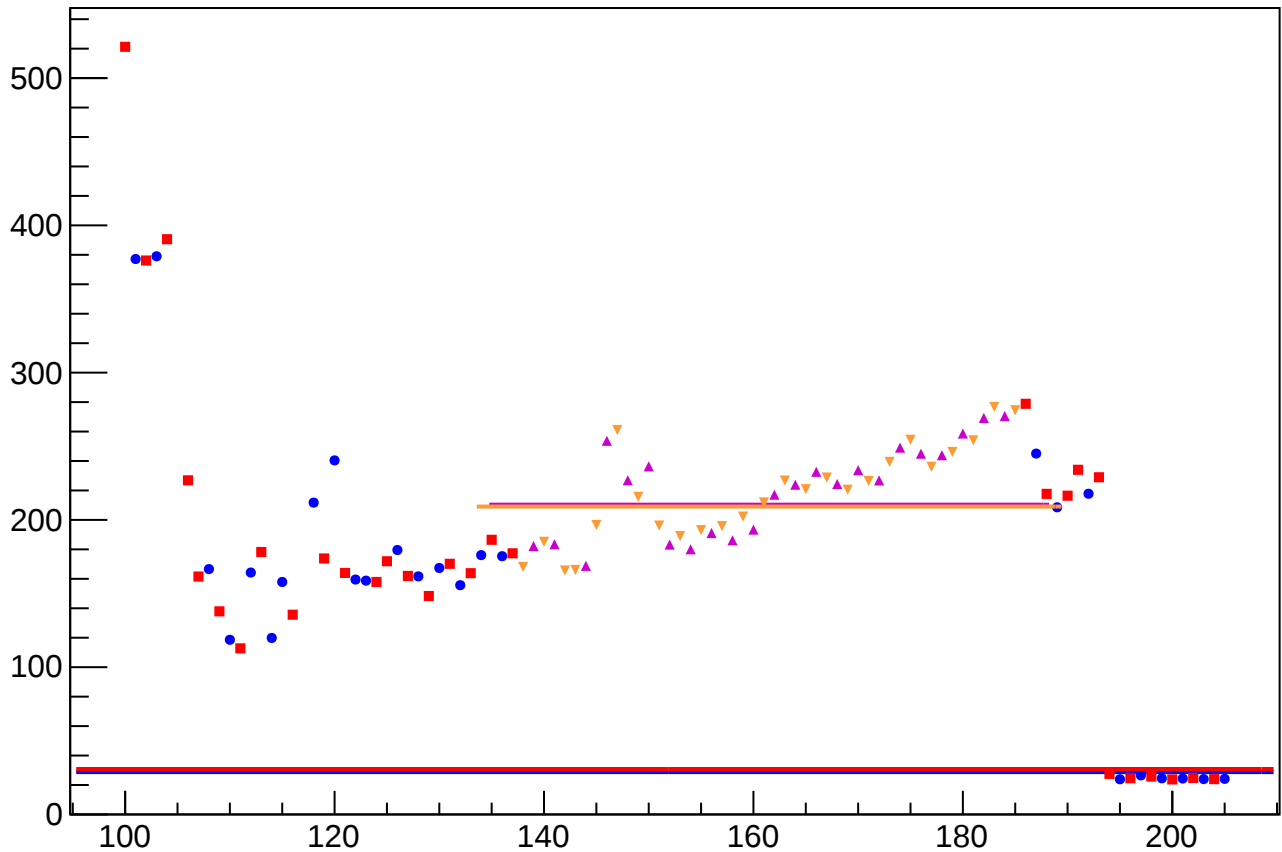
yield_bpm0i07WS_mean vs Slug



Right In: -9240.143 ± 0.011 $\chi^2/\text{NDF}: 5847948486734.4/25$
 Left Out: 151483.385 ± 0.050 $\chi^2/\text{NDF}: 1481910066.9/24$
 Right Out: -6862.703 ± 0.012 $\chi^2/\text{NDF}: 7069628417588.3/29$
 Left In: 151363.165 ± 0.051 $\chi^2/\text{NDF}: 1421662089.0/22$

+ sign -1542.714 ± 0.011 $\chi^2/\text{NDF}: 1587804655641.1/25$
 All: -162.446 ± 0.008 $\chi^2/\text{NDF}: 31961014253.1/29$
 - sign 1473.308 ± 0.012 $\chi^2/\text{NDF}: 16047524910695.1/29$

yield_bpm0i07WS_rms vs Slug



Right In: 28.769 ± 0.008 $\chi^2/\text{NDF}: 11489216.9/25$

Left Out: 209.076 ± 0.035 $\chi^2/\text{NDF}: 708260.3/24$

Right Out: 30.850 ± 0.009 $\chi^2/\text{NDF}: 13312266.2/29$

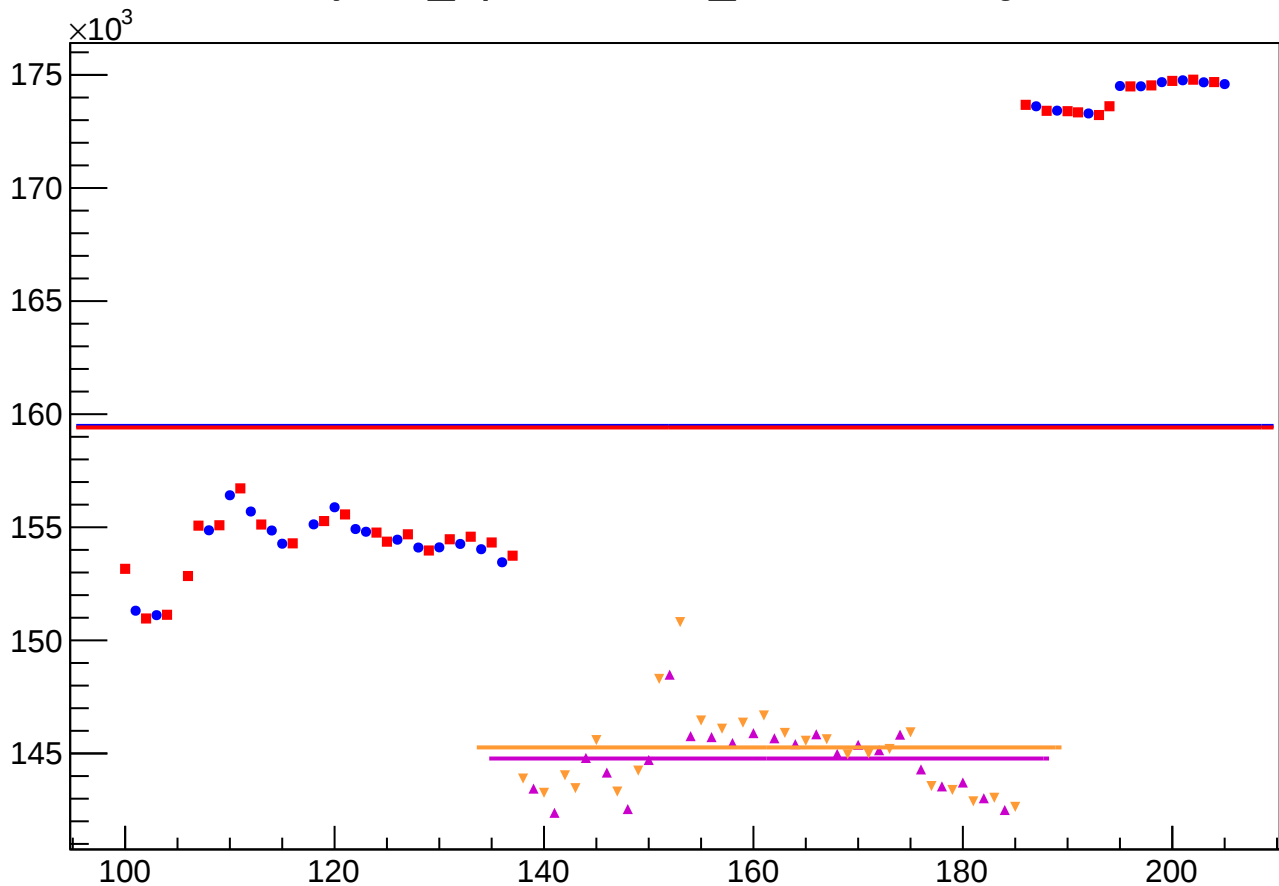
Left In: 210.345 ± 0.036 $\chi^2/\text{NDF}: 677747.7/22$

+ sign 37.404 ± 0.008 $\chi^2/\text{NDF}: 37440225.7/50$

All: 38.733 ± 0.006 $\chi^2/\text{NDF}: 74599689.8/103$

- sign 40.307 ± 0.008 $\chi^2/\text{NDF}: 37093819.8/52$

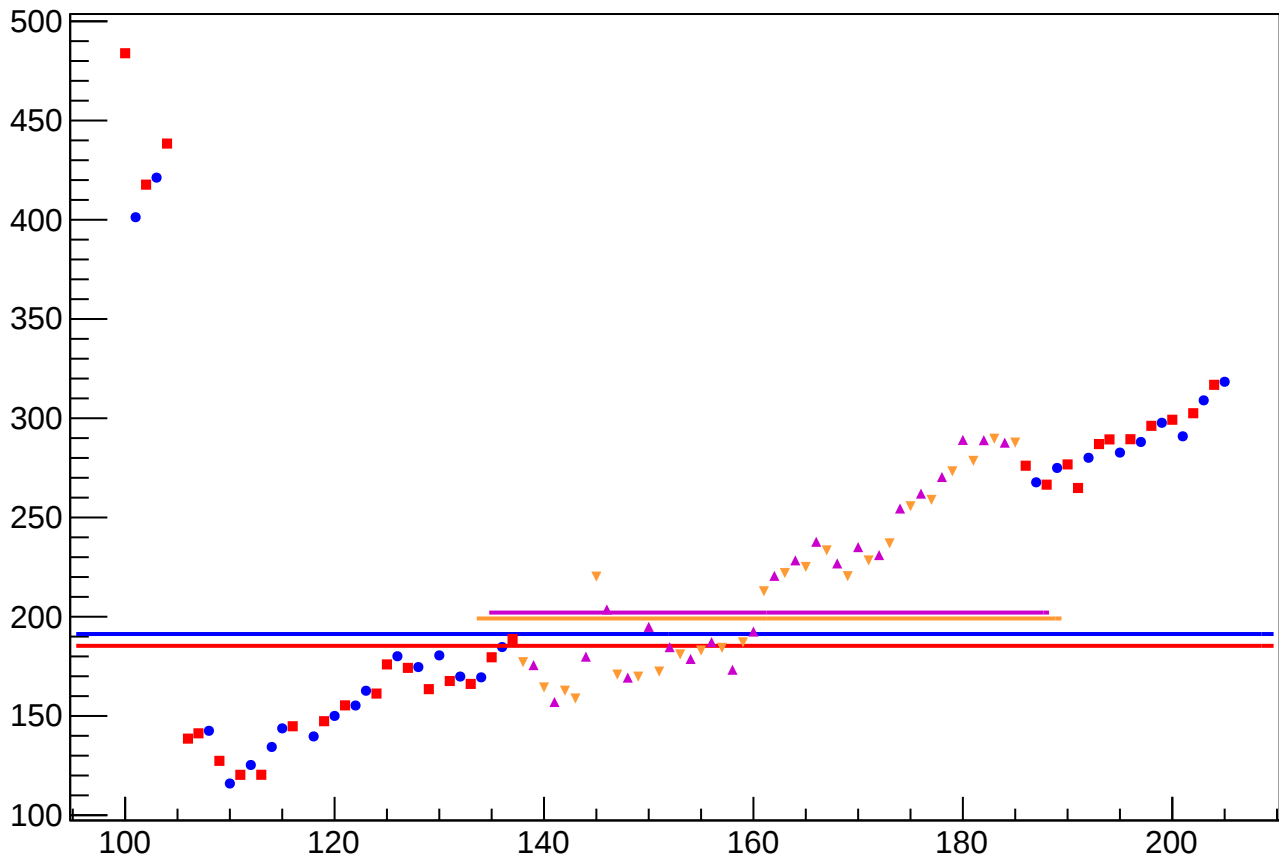
yield_bpm1i02WS_mean vs Slug



Right In: 159481.461 $\pm$ 0.057 χ^2 /NDF: 21649683847.3/25
 Left Out: 145266.717 $\pm$ 0.047 χ^2 /NDF: 1717707352.7/24
 Right Out: 159412.335 $\pm$ 0.053 χ^2 /NDF: 24072903705.5/29
 Left In: 144776.016 $\pm$ 0.050 χ^2 /NDF: 918120275.4/22

+ sign 151071.572 $\pm$ 0.036 χ^2 /NDF: 60103175850.
 All: 151330.976 $\pm$ 0.026 χ^2 /NDF: 125783327.
 - sign 151587.304 $\pm$ 0.036 χ^2 /NDF: 65579480016.0

yield_bpm1i02WS_rms vs Slug



Right In: 191.287 $\pm$ 0.040 χ^2 /NDF: 3121621.9/25

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

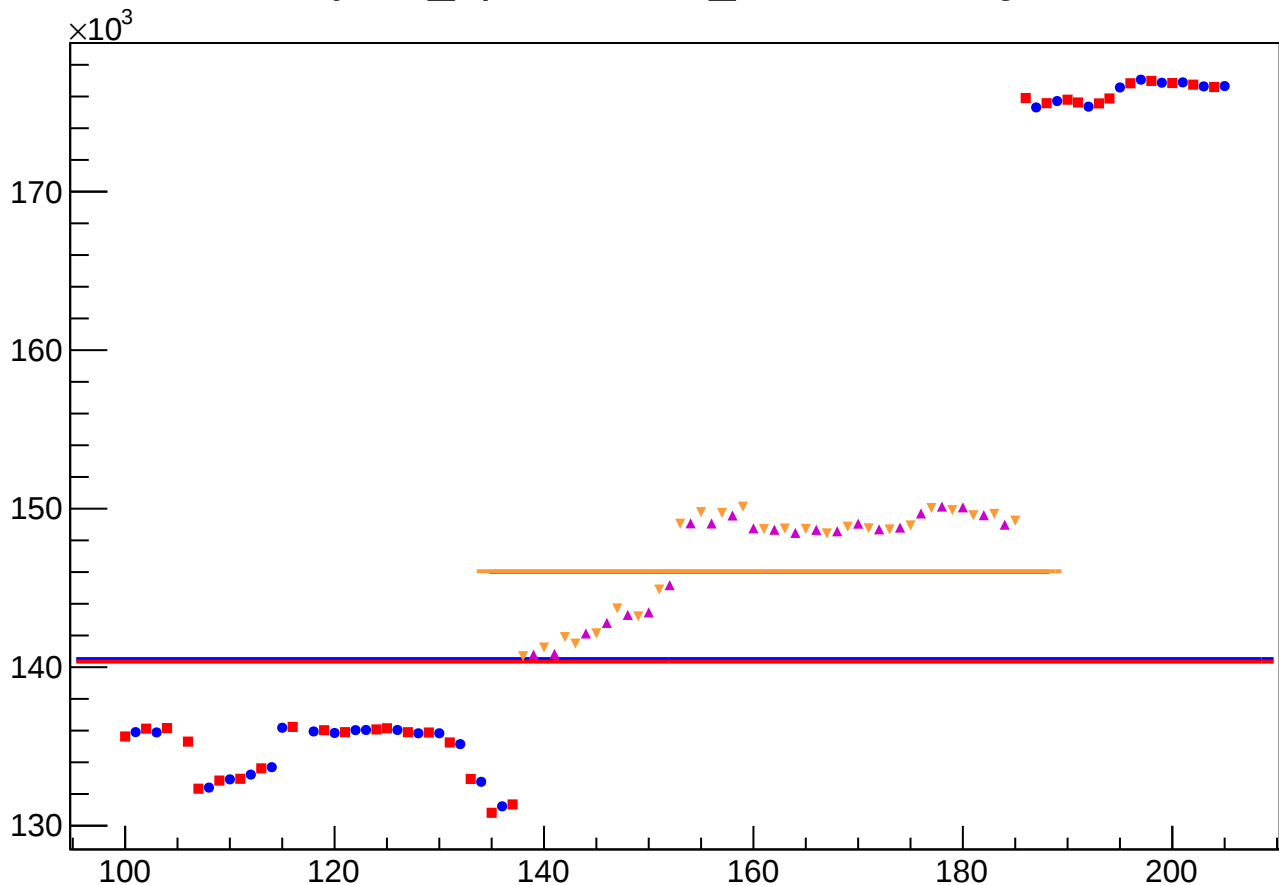
Left In: 202.090 $\pm$ 0.035 χ^2 /NDF:1057833.2/22

+ sign 195.920 $\pm$ 0.026 χ^2 /NDF: 4296150.1/50

All: 195.102 $\pm$ 0.018 χ^2 /NDF: 9030918.5/103

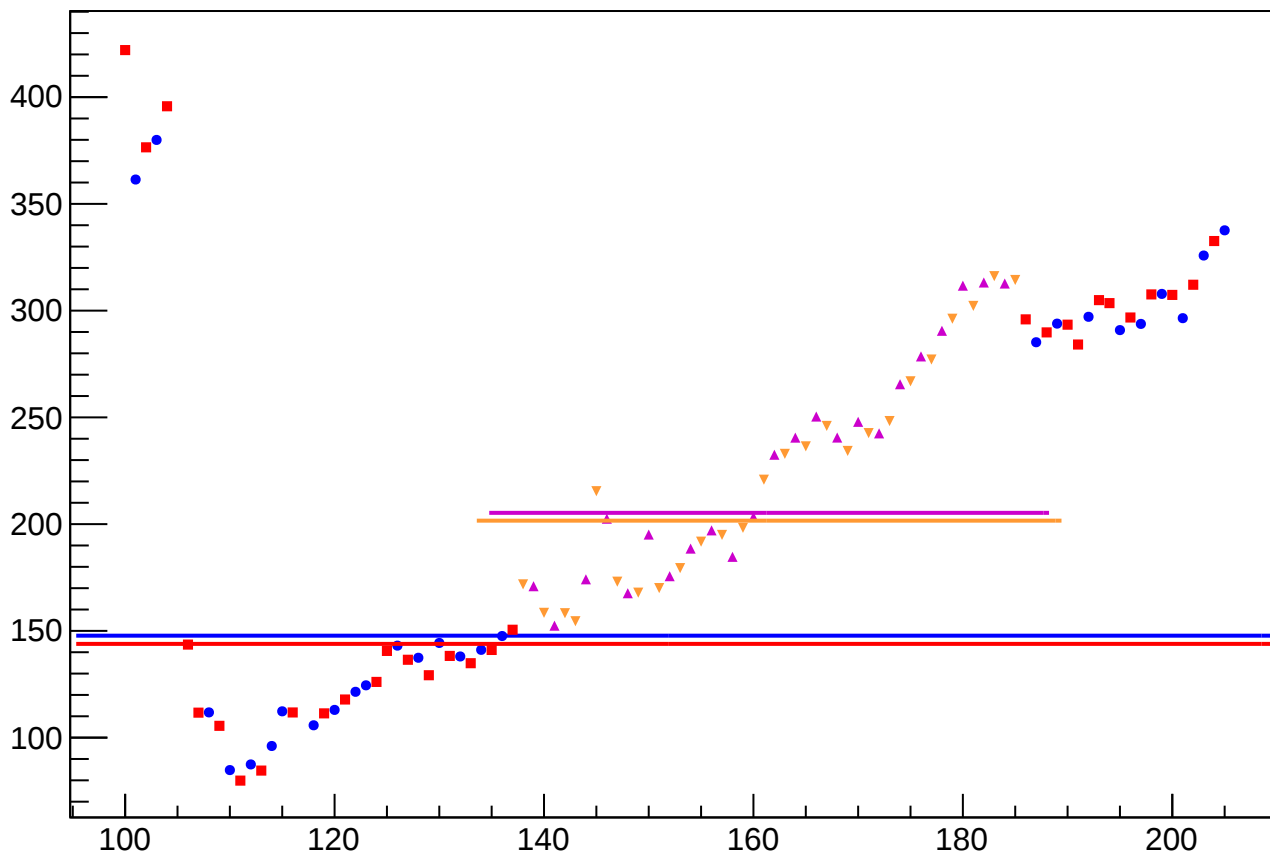
- sign 194.293 $\pm$ 0.026 χ^2 /NDF: 4732764.6/52

yield_bpm1i04WS_mean vs Slug



Right In: 140509.995 $\pm$ 0.047 χ^2 /NDF: 104266660733.7/25
 Left Out: 146051.733 $\pm$ 0.048 χ^2 /NDF: 5403300123.1/24
 Right Out: 140351.766 $\pm$ 0.044 χ^2 /NDF: 117135282490.6/29
 Left In: 146020.015 $\pm$ 0.051 χ^2 /NDF: 4591425371.4/22
 + sign 143177.507 $\pm$ 0.034 χ^2 /NDF: 116496441622
 All: 142974.188 $\pm$ 0.024 χ^2 /NDF: 245463676
 - sign 142775.577 $\pm$ 0.033 χ^2 /NDF: 128894473597

yield_bpm1i04WS_rms vs Slug



Right In: 147.755 $\pm$ 0.033 χ^2 /NDF: 5392829.1/25

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

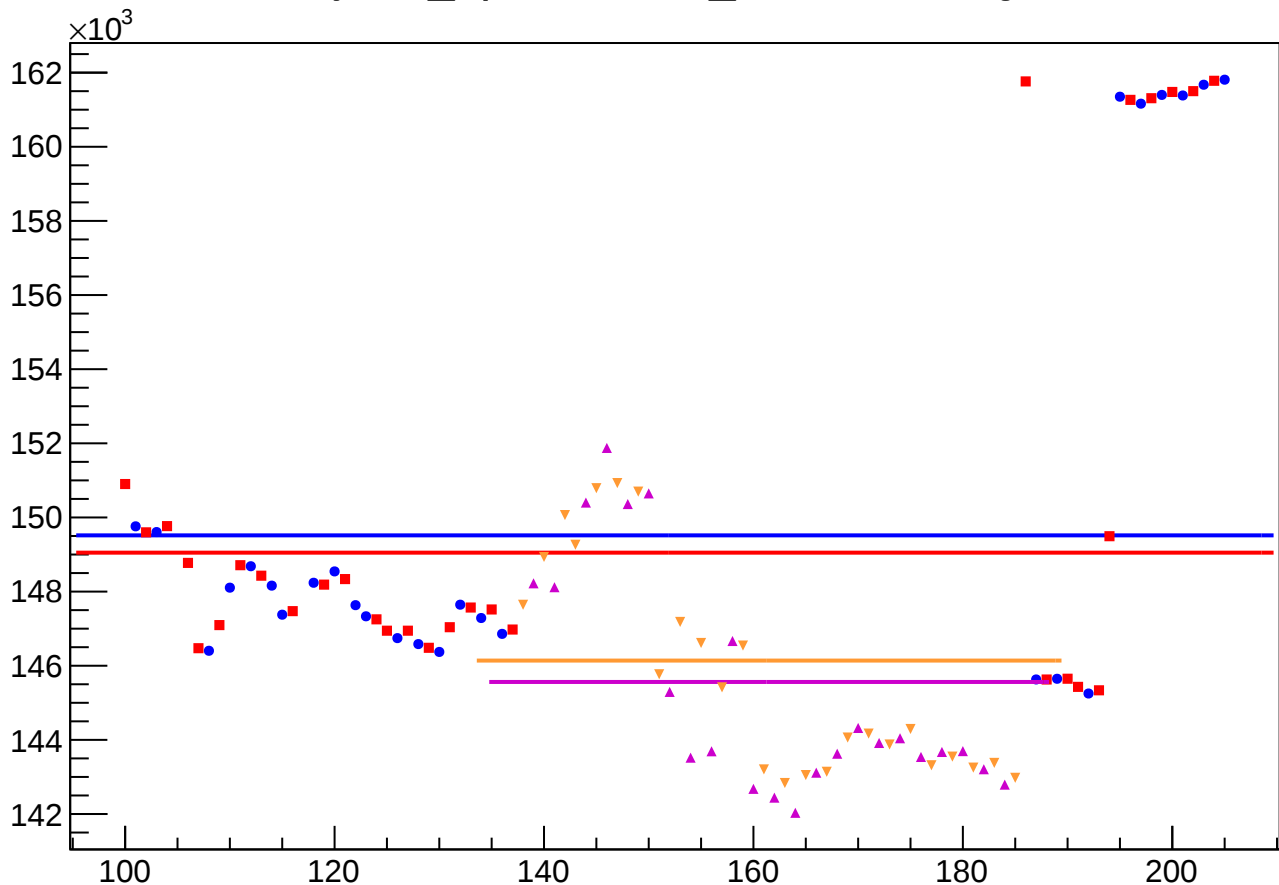
Left In: 205.286 $\pm$ 0.036 χ^2 /NDF:1425292.7/22

+ sign 173.689 $\pm$ 0.024 χ^2 /NDF: 8272817.5/50

All: 171.900 $\pm$ 0.017 χ^2 /NDF: 17510826.4/10

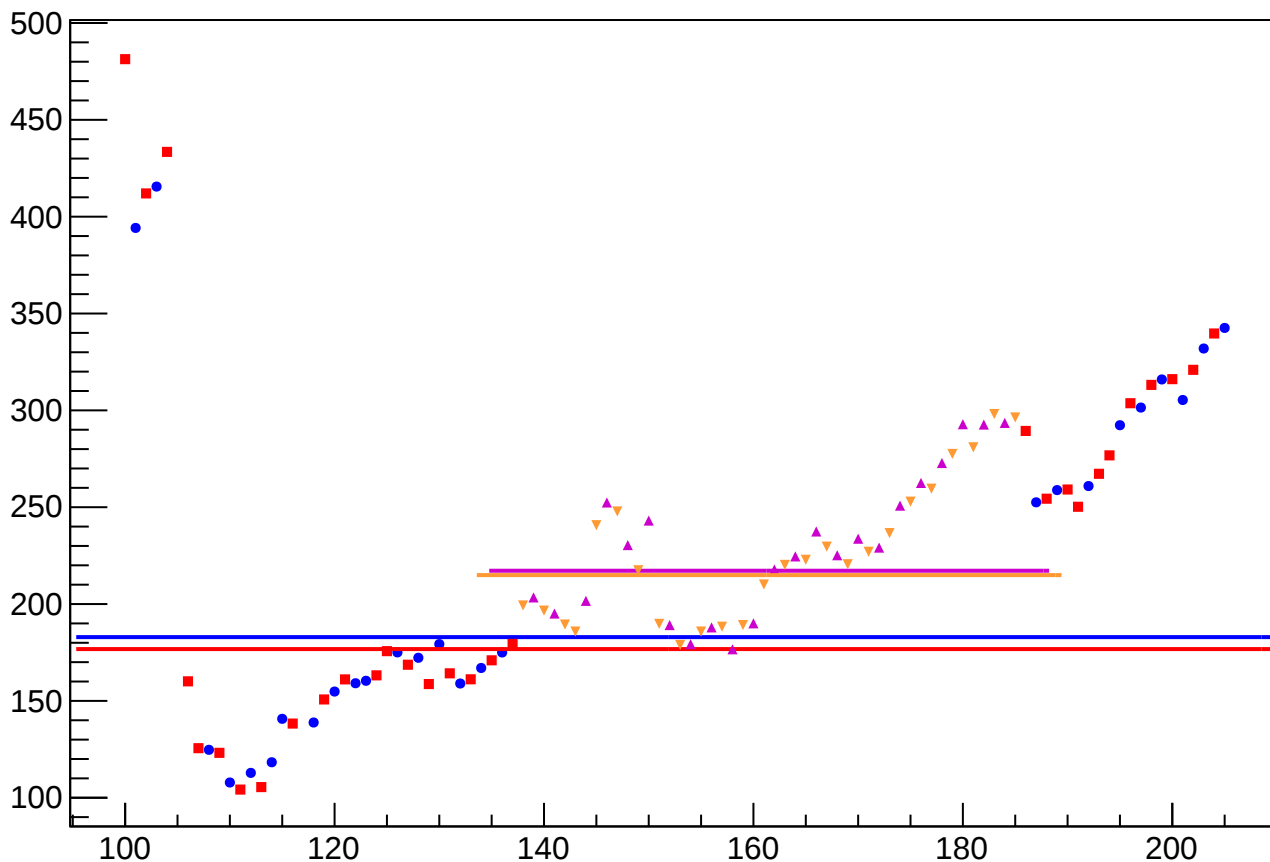
- sign 170.154 $\pm$ 0.023 χ^2 /NDF: 9226752.4/52

yield_bpm1i06WS_mean vs Slug



Right In: 149517.055+/-0.055	χ^2/NDF : 8404344409.0/25	+ sign 147687.544+/-0.037	χ^2/NDF : 13121921605.
Left Out: 146139.326+/-0.051	χ^2/NDF : 2699546907.6/24	All: 147522.162+/-0.026	χ^2/NDF : 258581467.
Right Out: 149050.541+/-0.051	χ^2/NDF : 7414794348.0/29	- sign 147361.483+/-0.037	χ^2/NDF : 12697806110.7
Left In: 145562.386+/-0.053	χ^2/NDF : 3054641996.0/22		

yield_bpm1i06WS_rms vs Slug



Right In: 182.927+/-0.039 χ^2/NDF : 3709879.1/25

Left Out: 214.945+/-0.036 χ^2/NDF : 728515.5/24

Right Out: 176.754+/-0.036 χ^2/NDF : 4181107.5/29

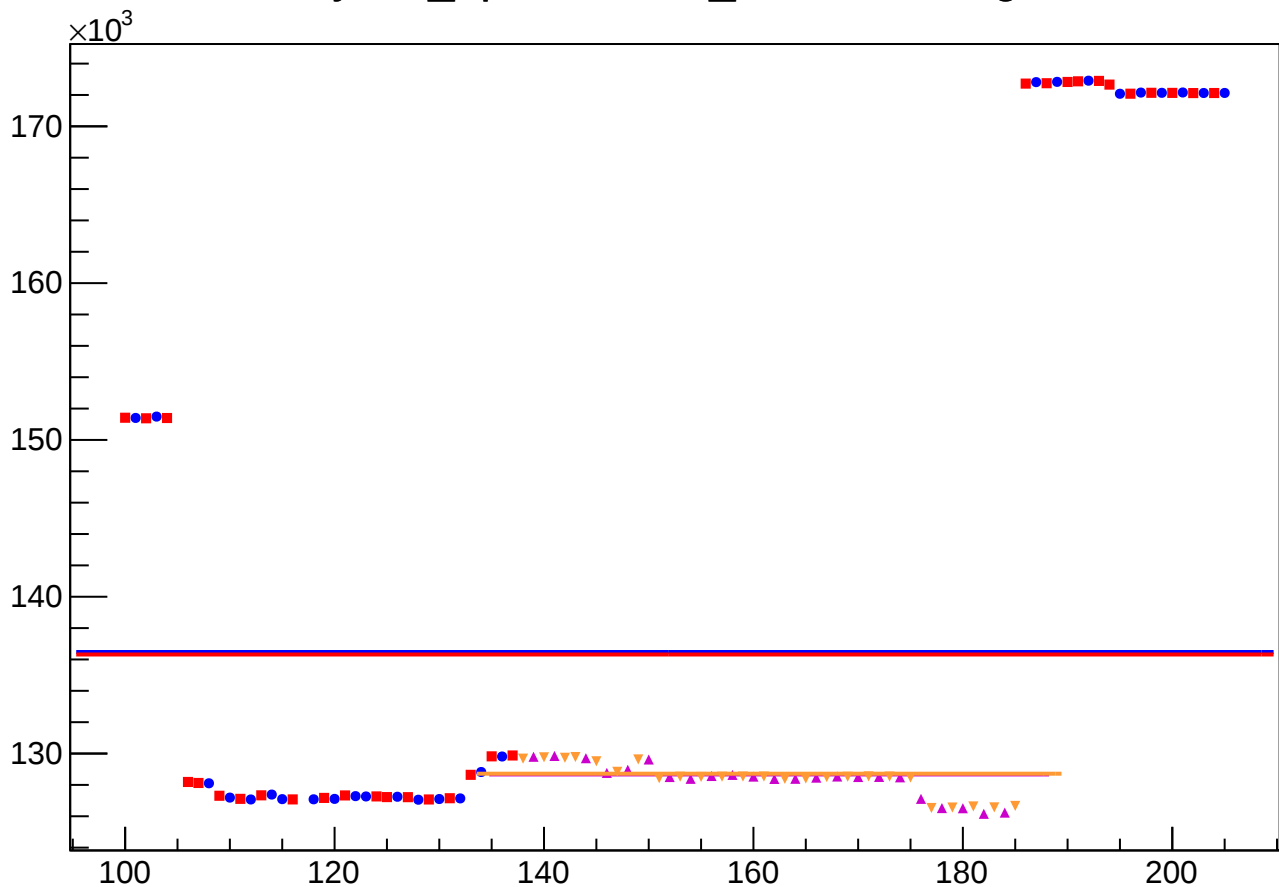
Left In: 217.203+/-0.038 χ^2/NDF : 764798.3/22

+ sign 200.269+/-0.026 χ^2/NDF : 4801043.7/50

All: 198.277+/-0.019 χ^2/NDF : 10357397.0/10

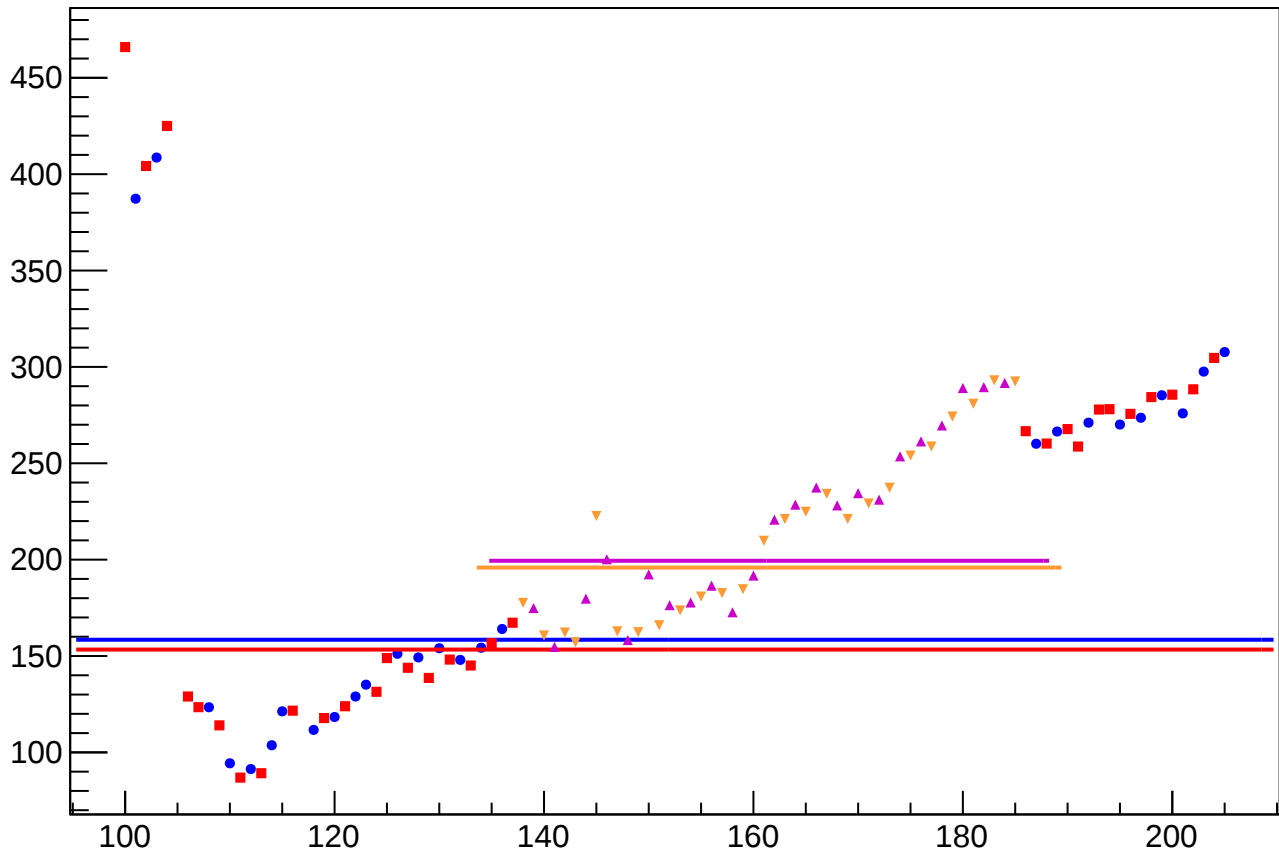
- sign 196.341+/-0.026 χ^2/NDF : 5545199.4/52

yield_bpm2i01WS_mean vs Slug



Right In: 136475.040 $\pm$ 0.049 χ^2 /NDF: 131967622031.0/25
 Left Out: 128714.507 $\pm$ 0.047 χ^2 /NDF: 348178101.1/24
 Right Out: 136316.855 $\pm$ 0.045 χ^2 /NDF: 150830292774.5/29
 Left In: 128667.013 $\pm$ 0.049 χ^2 /NDF: 333059477.6/22
 + sign 132427.036 $\pm$ 0.034 χ^2 /NDF: 145527646946
 All: 132607.154 $\pm$ 0.024 χ^2 /NDF: 309864508
 - sign 132782.743 $\pm$ 0.033 χ^2 /NDF: 164280536378

yield_bpm2i01WS_rms vs Slug



Right In: 158.438 $\pm$ 0.034 χ^2 /NDF: 4440356.0/25

Left Out: 195.883 $\pm$ 0.033 χ^2 /NDF:1313361.5/24

Right Out: 153.339 $\pm$ 0.032 χ^2 /NDF: 5037368.8/29

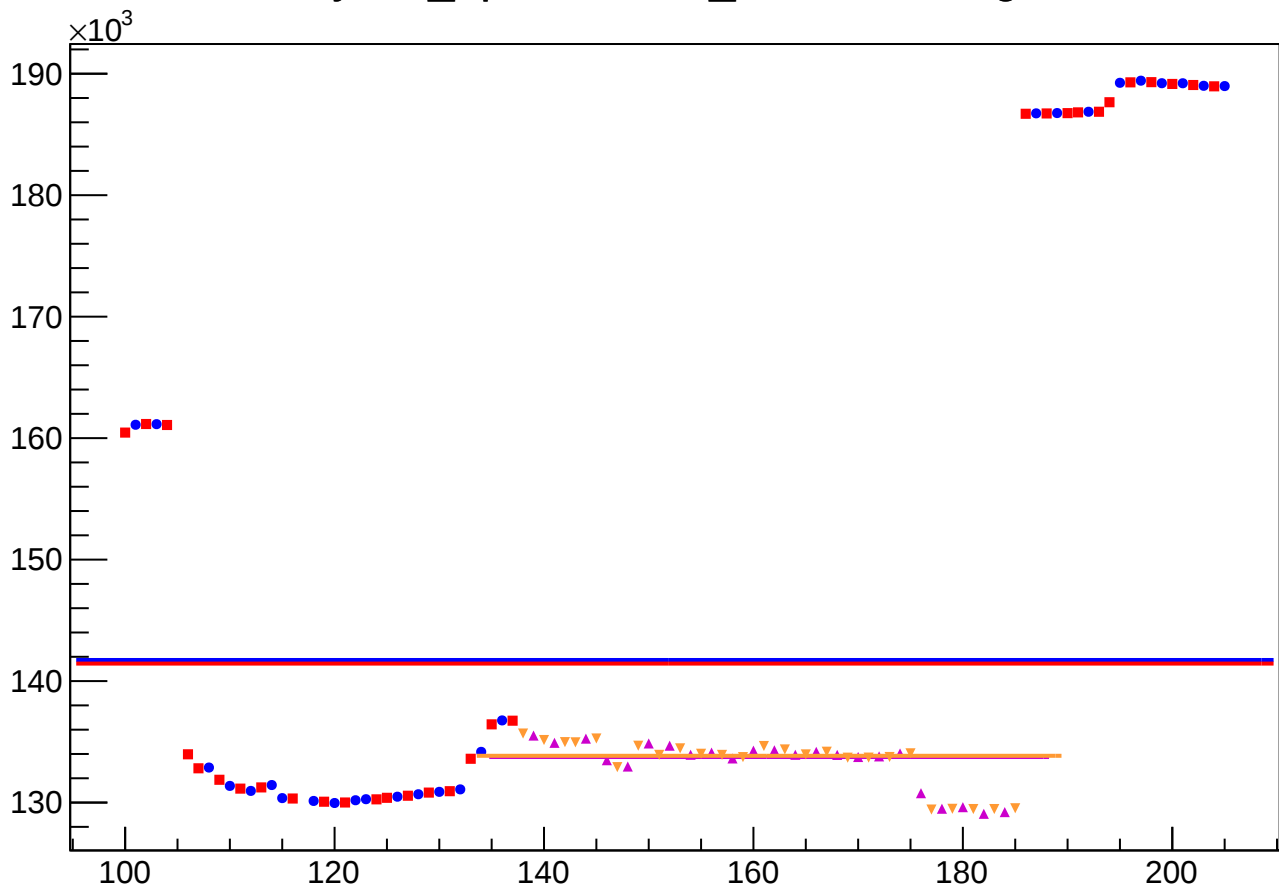
Left In: 199.413 $\pm$ 0.035 χ^2 /NDF:1165698.7/22

+ sign 177.970 $\pm$ 0.024 χ^2 /NDF: 6368886.4/50

All: 176.276 $\pm$ 0.017 χ^2 /NDF: 13533605.1/10

- sign 174.624 $\pm$ 0.024 χ^2 /NDF: 7154755.9/52

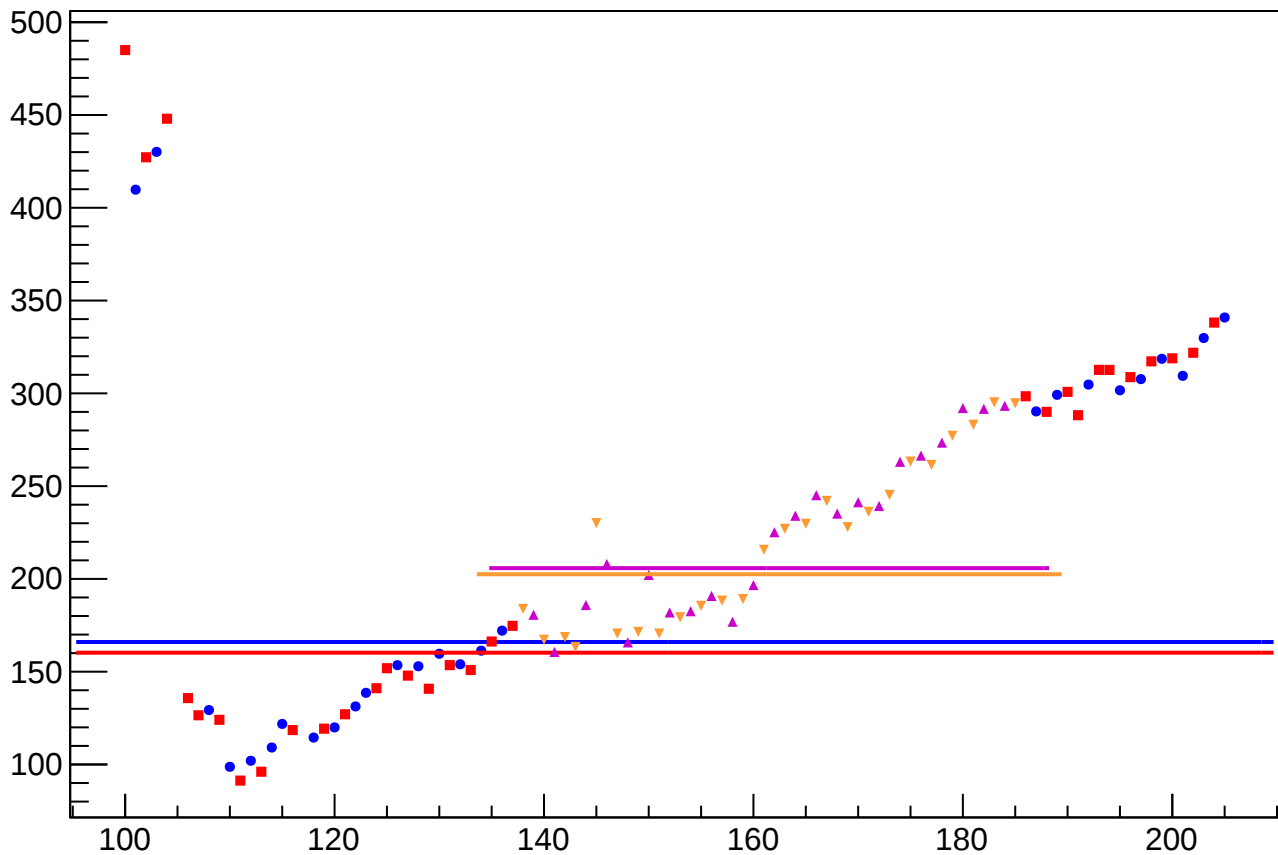
yield_bpm2i02WS_mean vs Slug



Right In: 141736.858 $\pm$ 0.052 χ^2 /NDF: 176810331955.0/25
 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

+ sign 137530.912 $\pm$ 0.035 χ^2 /NDF: 190372550567
 All: 137665.891 $\pm$ 0.025 χ^2 /NDF: 400316230
 - sign 137797.460 $\pm$ 0.035 χ^2 /NDF: 209914667912

yield_bpm2i02WS_rms vs Slug



Right In: 165.998 $\pm$ 0.036 χ^2/NDF : 4813528.2/25

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

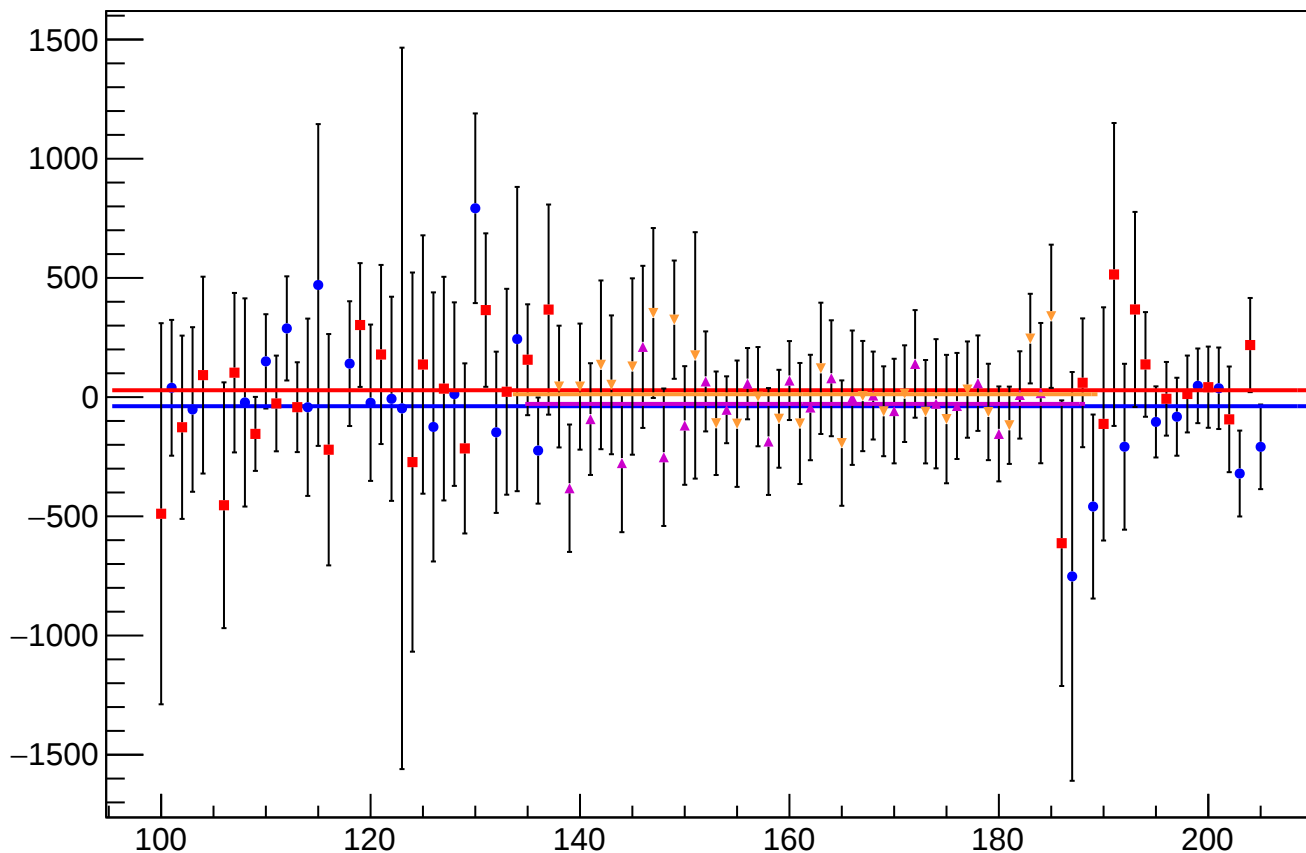
Left In: 205.808 $\pm$ 0.036 χ^2/NDF :1094330.7/22

+ sign 185.480 $\pm$ 0.025 χ^2/NDF : 6561128.6/50

All: 183.629 $\pm$ 0.017 χ^2/NDF : 14017448.7/10

- sign 181.825 $\pm$ 0.025 χ^2/NDF : 7445410.0/52

asym_bcm_an_ds_mean vs Slug



Right In: -38.109 ± 50.280 χ^2/NDF : 15.9/25

Left Out: 12.180 ± 47.531 χ^2/NDF : 8.6/24

Right Out: 28.858 ± 49.129 χ^2/NDF : 11.4/29

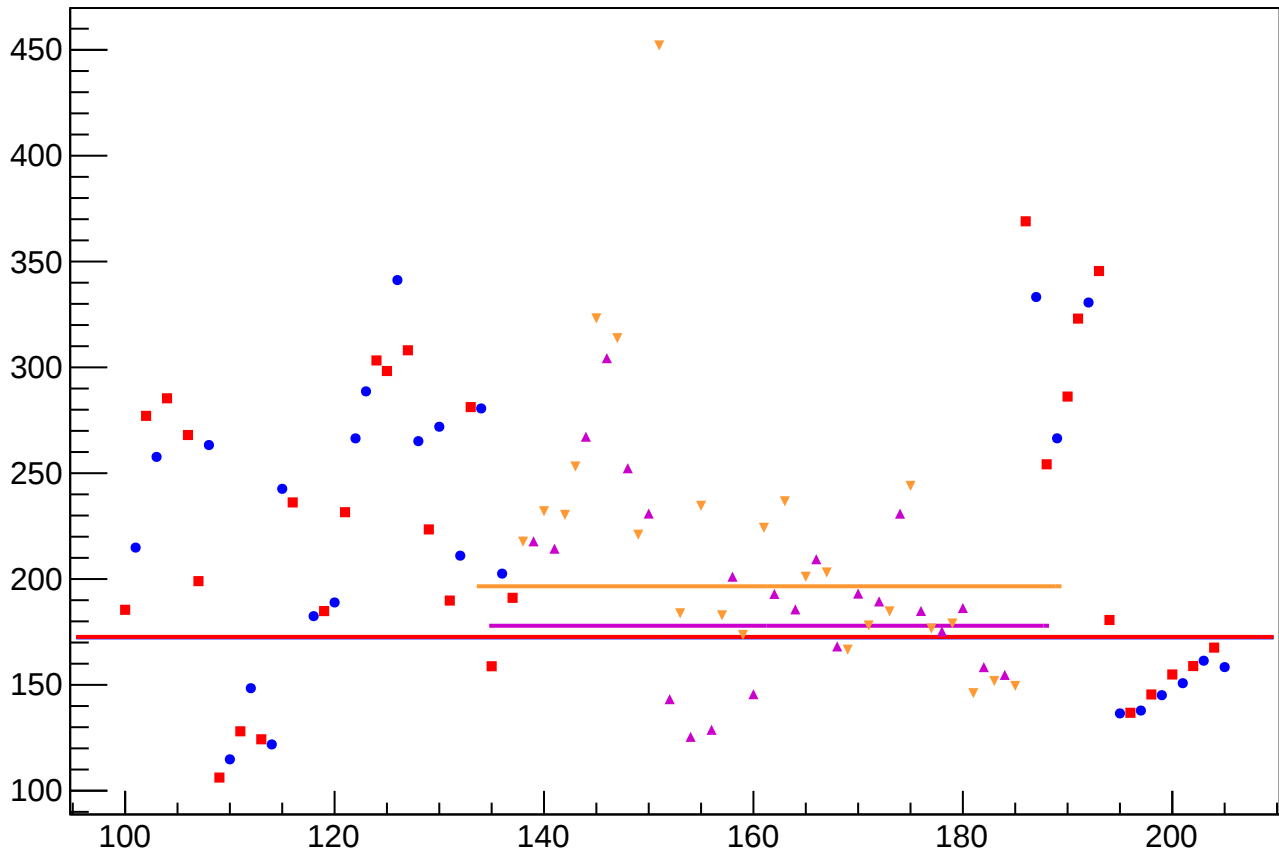
Left In: -28.452 ± 44.688 χ^2/NDF : 6.7/22

+ sign -11.552 ± 34.541 χ^2/NDF : 25.0/50

All: -6.829 ± 23.882 χ^2/NDF : 43.8/103

- sign -2.503 ± 33.058 χ^2/NDF : 18.8/52

asym_bcm_an_ds_rms vs Slug



Right In: 172.427+/-0.036 χ^2/NDF : 2082935.7/25

Left Out: 196.576+/-0.034 χ^2/NDF :1778719.0/24

Right Out: 172.657+/-0.035 χ^2/NDF : 2746295.2/29

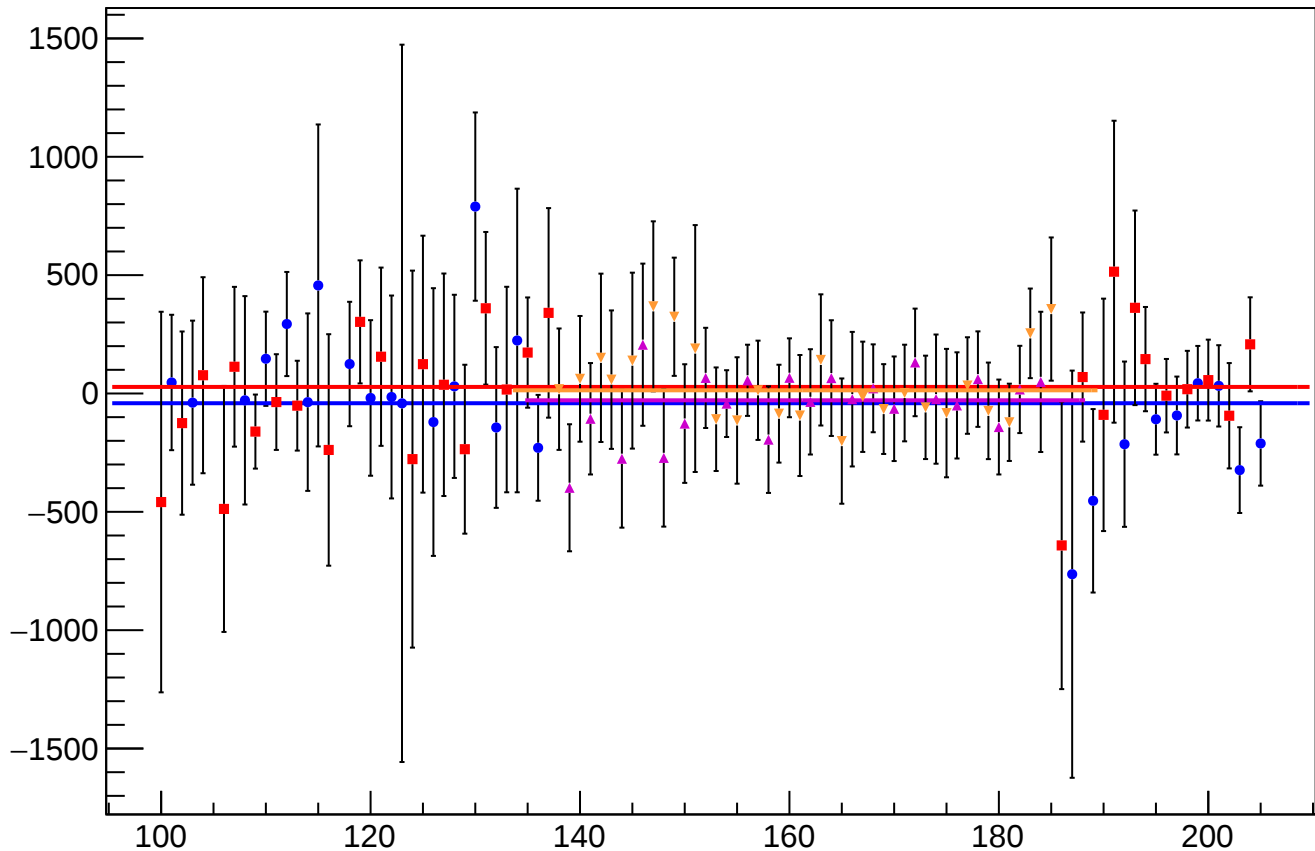
Left In: 177.933+/-0.032 χ^2/NDF :1605780.8/22

+ sign 185.180+/-0.024 χ^2/NDF : 4105297.5/50

All: 180.151+/-0.017 χ^2/NDF : 8551224.3/103

- sign 175.544+/-0.023 χ^2/NDF : 4364695.7/52

asym_bcm_an_ds3_mean vs Slug



Right In: -41.155 ± 50.526 χ^2/NDF : 15.8/25

Left Out: 13.395 ± 47.862 χ^2/NDF : 9.0/24

Right Out: 27.718 ± 49.381 χ^2/NDF : 11.5/29

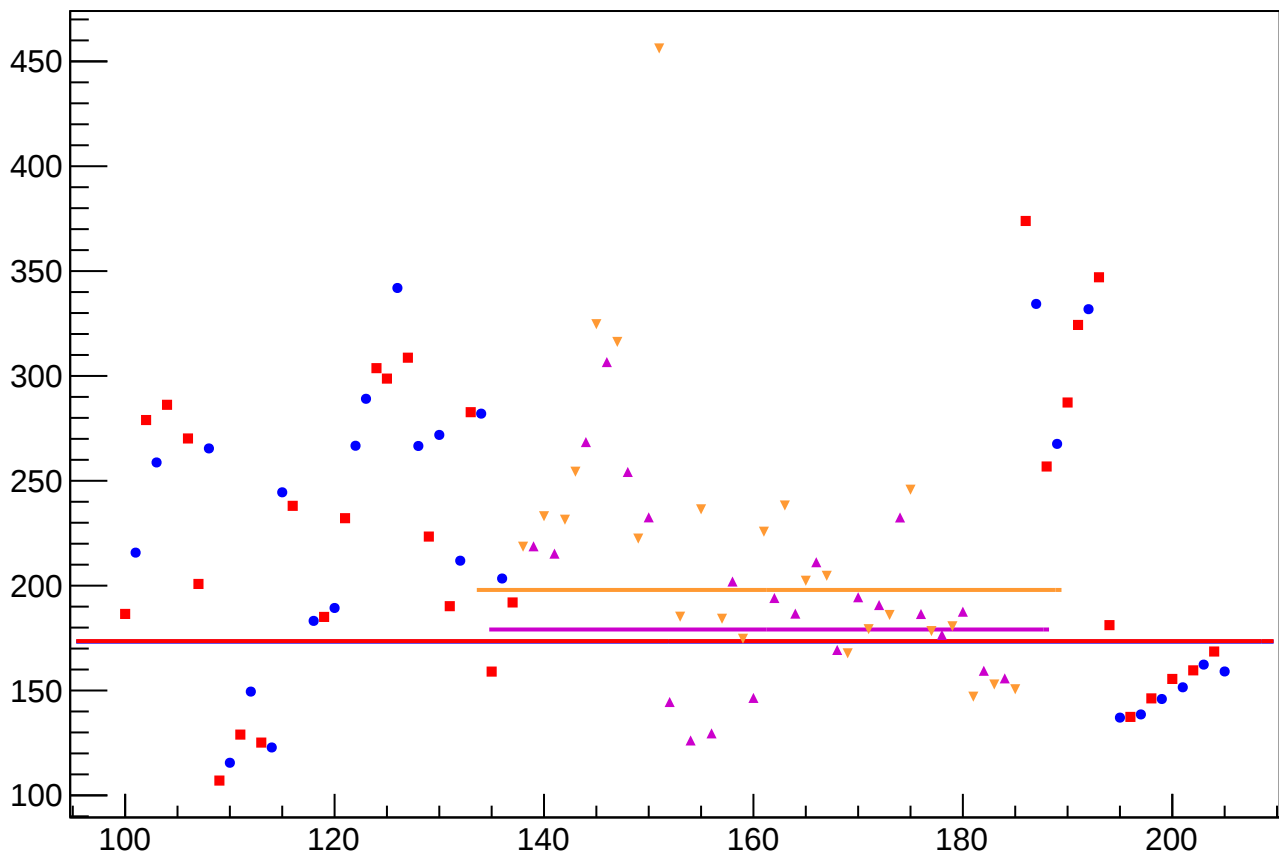
Left In: -28.806 ± 44.980 χ^2/NDF : 6.8/22

+ sign -12.404 ± 34.747 χ^2/NDF : 25.4/50

All: -7.587 ± 24.024 χ^2/NDF : 44.6/103

- sign -3.175 ± 33.253 χ^2/NDF : 19.1/52

asym_bcm_an_ds3_rms vs Slug



Right In: 173.300 $\pm$ 0.036 χ^2 /NDF: 2073665.4/25

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

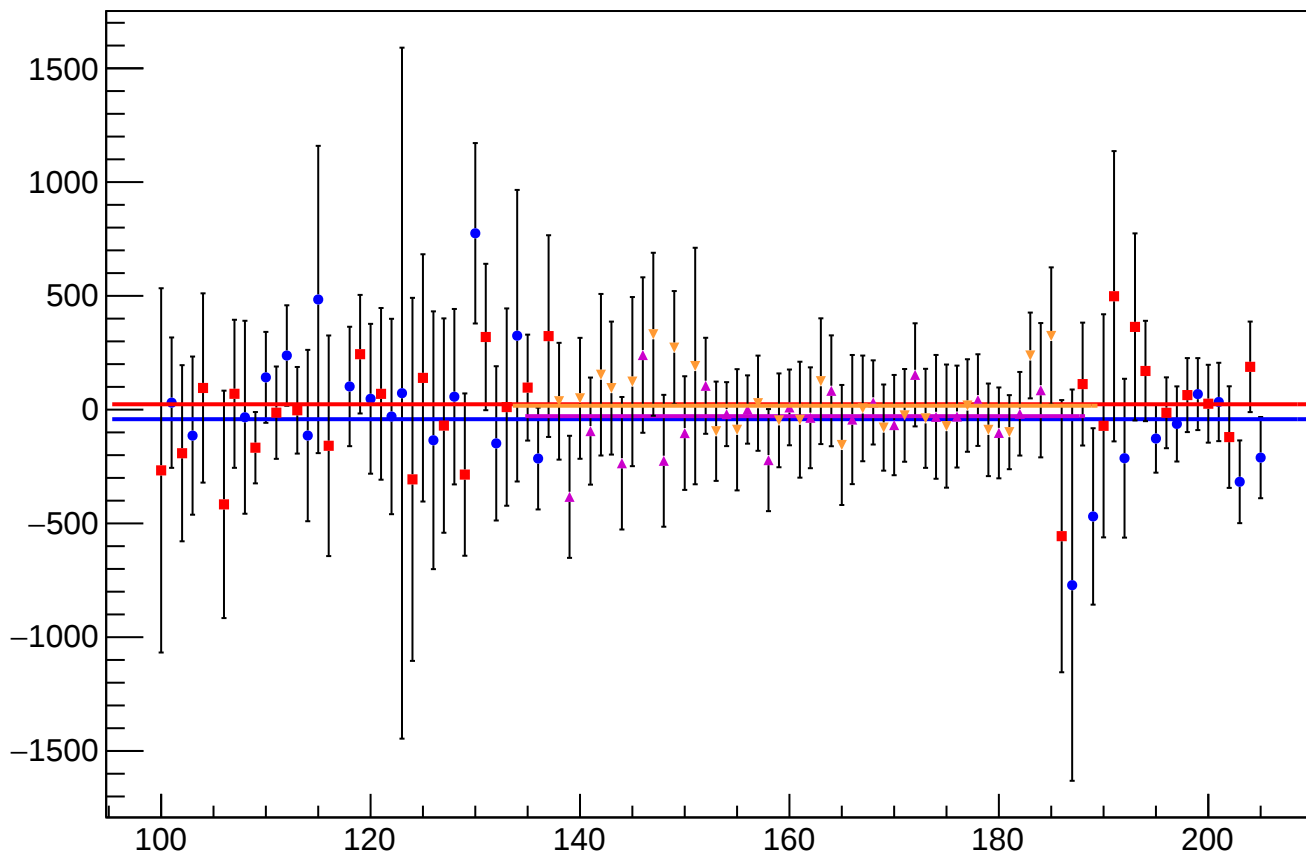
Left In: 179.090 $\pm$ 0.032 χ^2 /NDF:1605113.3/22

+ sign 186.293 $\pm$ 0.025 χ^2 /NDF: 4099135.1/50

All: 181.225 $\pm$ 0.017 χ^2 /NDF: 8540389.1/103

- sign 176.583 $\pm$ 0.024 χ^2 /NDF: 4359730.4/52

asym_bcm_an_us_mean vs Slug



Right In: -41.987 ± 50.601 χ^2/NDF : 15.3/25

Left Out: 17.142 ± 47.738 χ^2/NDF : 7.1/24

Right Out: 23.611 ± 49.378 χ^2/NDF : 10.1/29

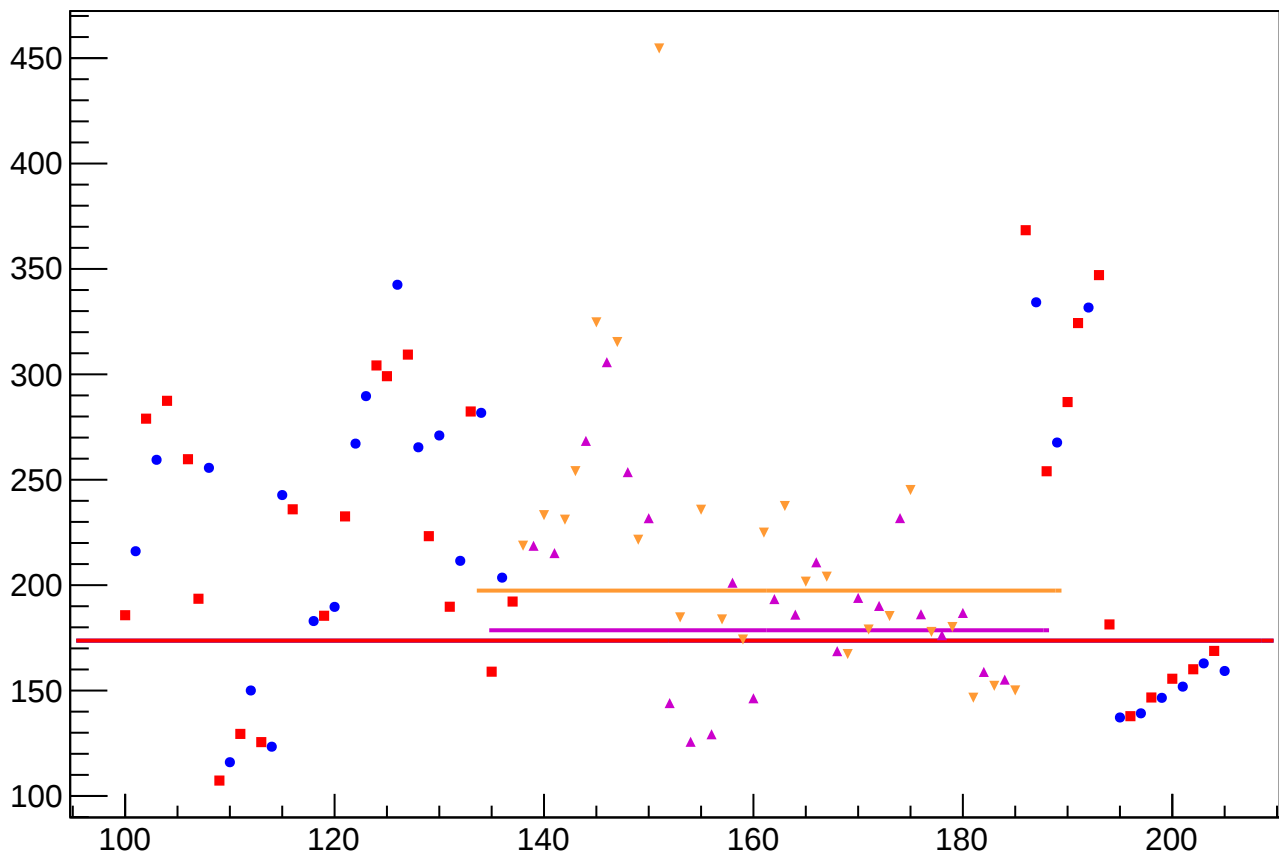
Left In: -28.655 ± 44.859 χ^2/NDF : 6.1/22

+ sign -10.702 ± 34.724 χ^2/NDF : 23.1/50

All: -7.736 ± 23.998 χ^2/NDF : 40.0/103

- sign -5.023 ± 33.203 χ^2/NDF : 16.8/52

asym_bcm_an_us_rms vs Slug



Right In: 173.671 $\pm$ 0.036 χ^2 /NDF: 2042811.4/25

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

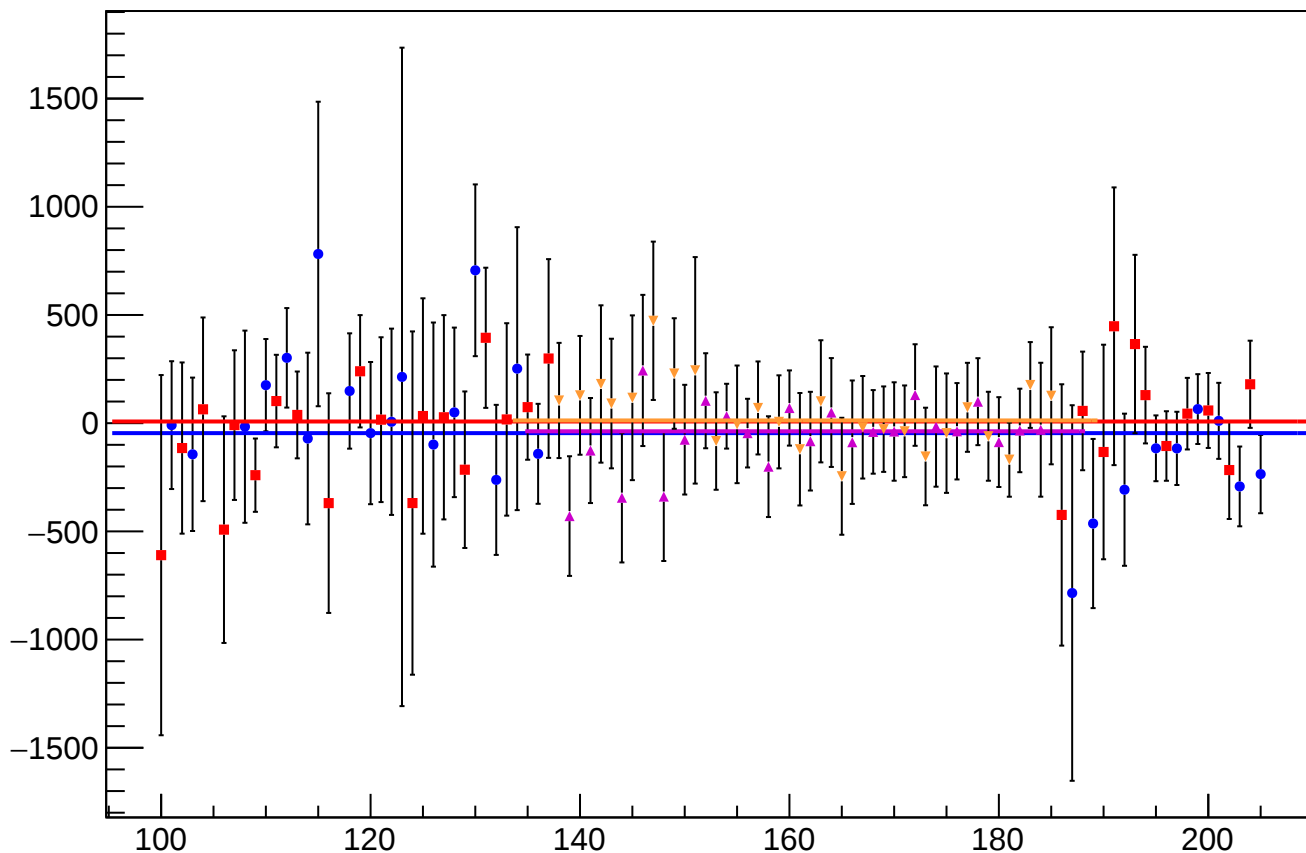
Left In: 178.601 $\pm$ 0.032 χ^2 /NDF:1608998.1/22

+ sign 186.237 $\pm$ 0.025 χ^2 /NDF: 4056197.1/50

All: 181.091 $\pm$ 0.017 χ^2 /NDF: 8456811.4/103

- sign 176.385 $\pm$ 0.023 χ^2 /NDF: 4316510.1/52

asym_bcm_dg_us_mean vs Slug



Right In: -45.967 ± 51.755 χ^2/NDF : 16.1/25

Left Out: 12.632 ± 49.242 χ^2/NDF : 7.5/24

Right Out: 7.777 ± 50.813 χ^2/NDF : 12.3/29

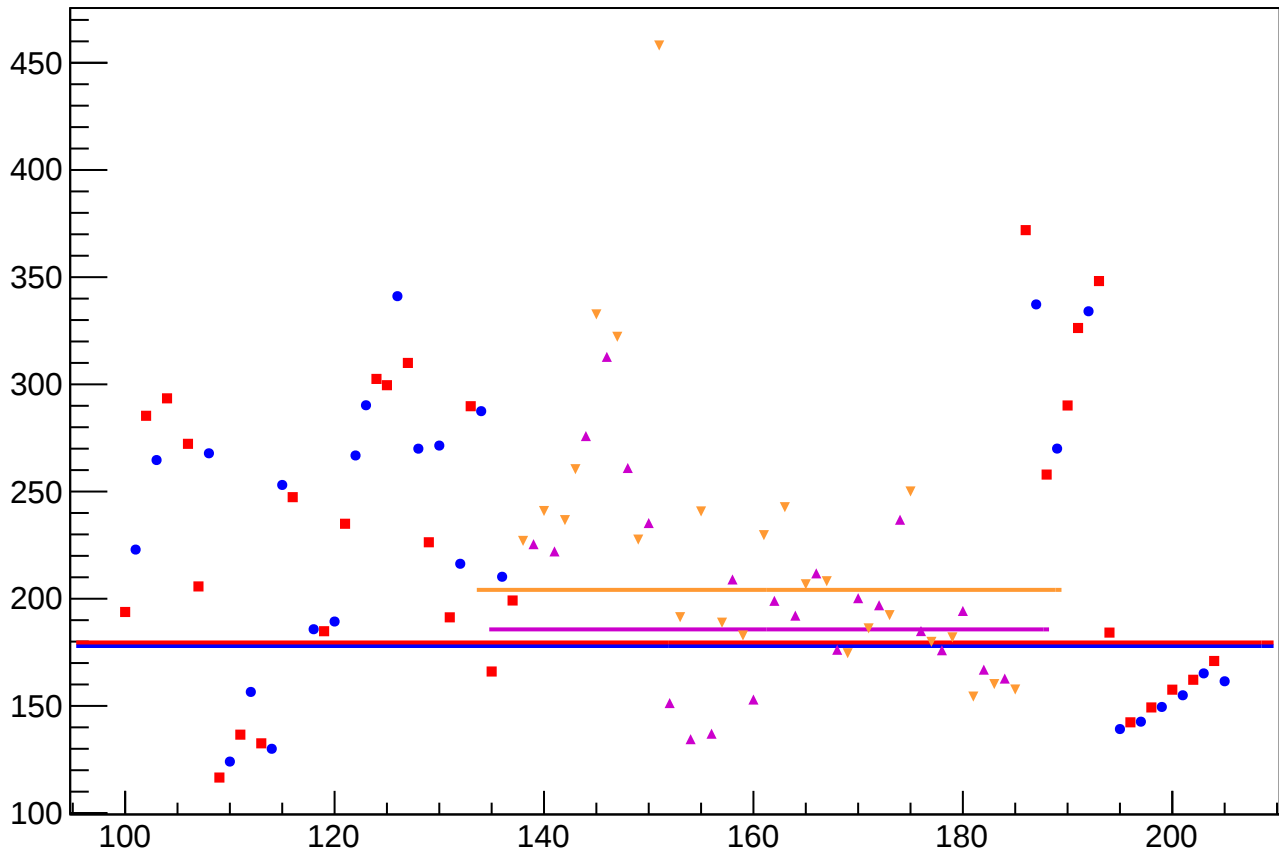
Left In: -37.460 ± 46.479 χ^2/NDF : 7.6/22

+ sign -15.211 ± 35.675 χ^2/NDF : 24.3/50

All: -16.064 ± 24.724 χ^2/NDF : 44.7/103

- sign -16.853 ± 34.295 χ^2/NDF : 20.4/52

asym_bcm_dg_us_rms vs Slug



Right In: 177.955 $\pm$ 0.037 χ^2 /NDF: 1966697.9/25

Left Out: 204.132 $\pm$ 0.035 χ^2 /NDF:1672287.6/24

Right Out: 179.597 $\pm$ 0.036 χ^2 /NDF: 2502906.9/29

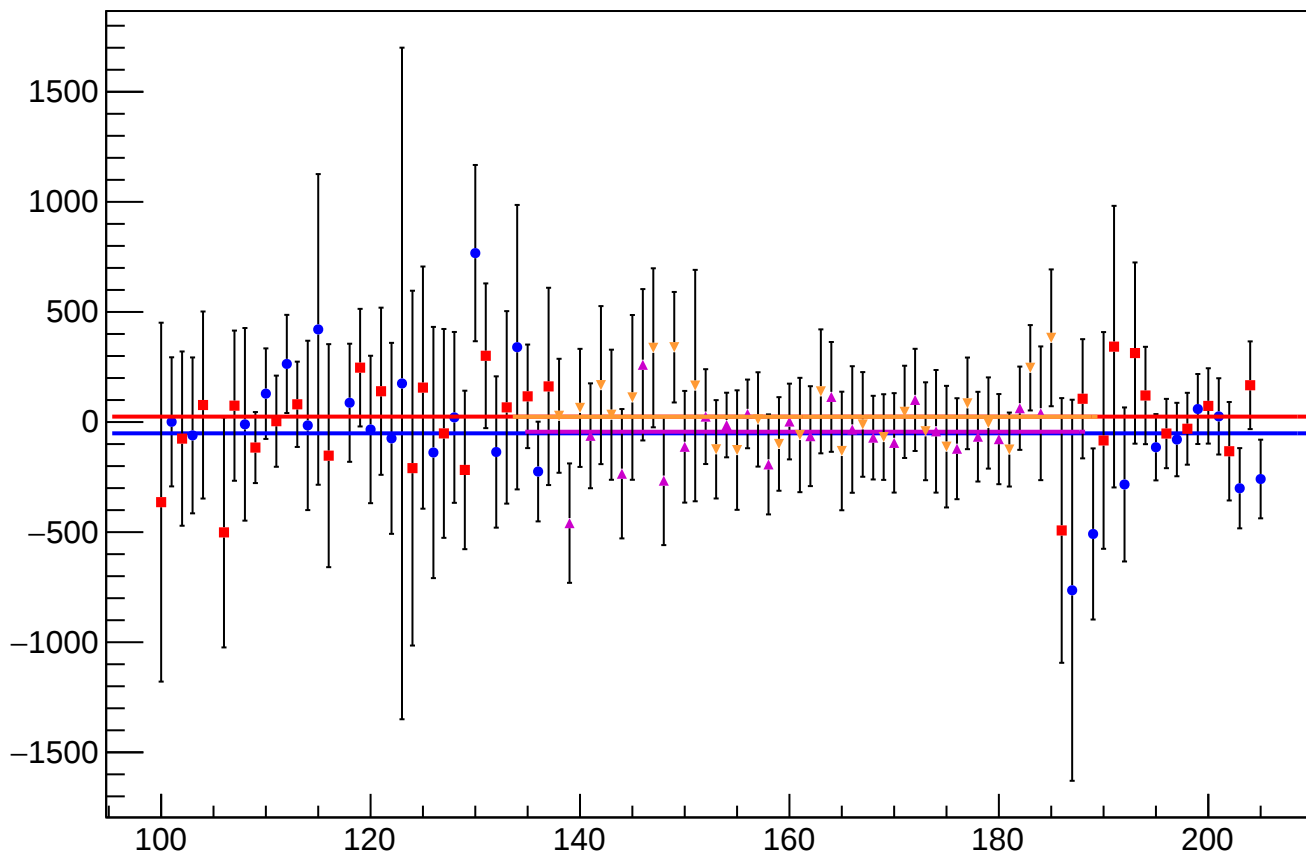
Left In: 185.694 $\pm$ 0.033 χ^2 /NDF:1447767.0/22

+ sign 191.694 $\pm$ 0.025 χ^2 /NDF: 3907522.8/50

All: 187.132 $\pm$ 0.017 χ^2 /NDF: 7936796.2/103

- sign 182.917 $\pm$ 0.024 χ^2 /NDF: 3966347.6/52

asym_bcm_dg_ds_mean vs Slug



Right In: -51.223 ± 51.106 χ^2/NDF : 15.4/25

Left Out: 23.843 ± 48.783 χ^2/NDF : 8.5/24

Right Out: 24.689 ± 49.988 χ^2/NDF : 7.9/29

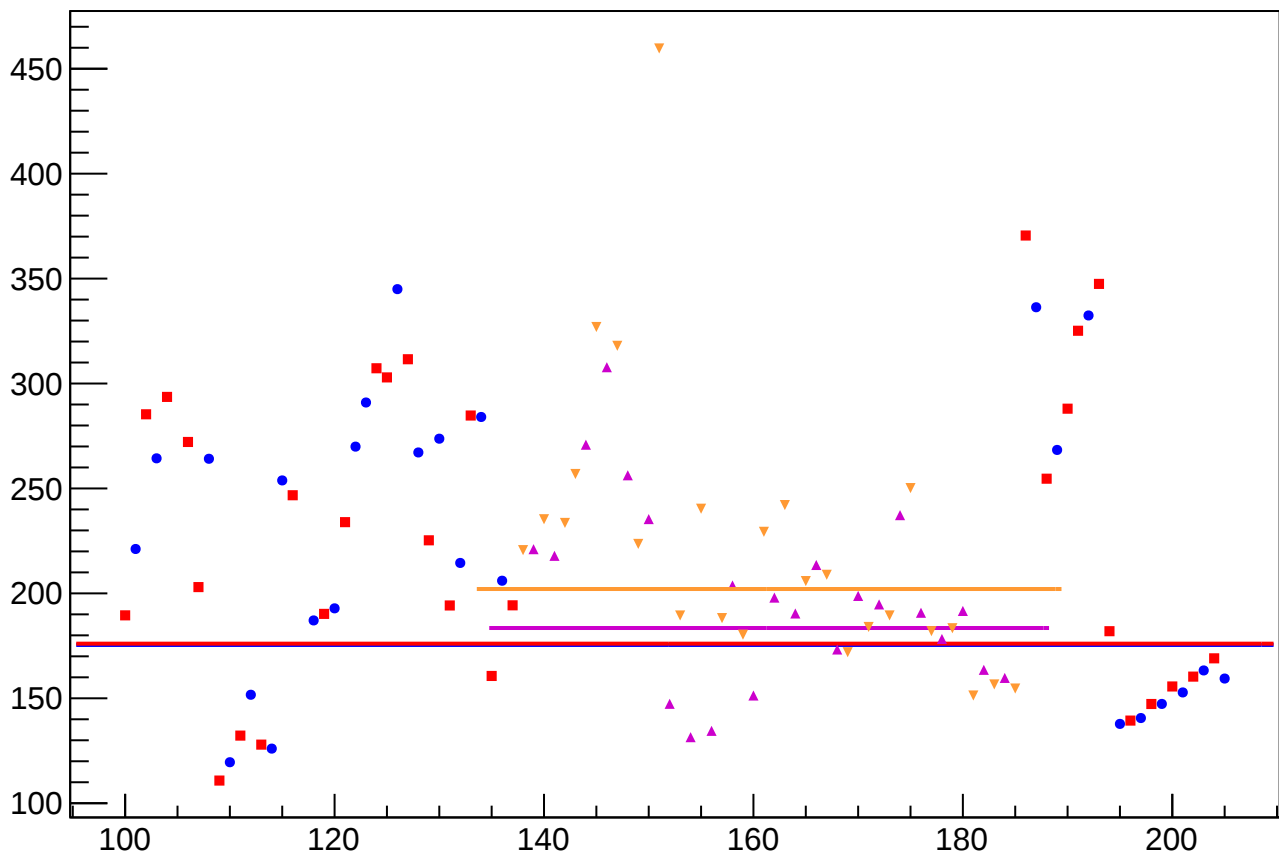
Left In: -43.978 ± 45.981 χ^2/NDF : 6.5/22

+ sign -11.945 ± 35.287 χ^2/NDF : 25.0/50

All: -12.238 ± 24.425 χ^2/NDF : 40.5/103

- sign -12.507 ± 33.841 χ^2/NDF : 15.5/52

asym_bcm_dg_ds_rms vs Slug



Right In: 175.420 $\pm$ 0.036 χ^2 /NDF: 2049070.5/25

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

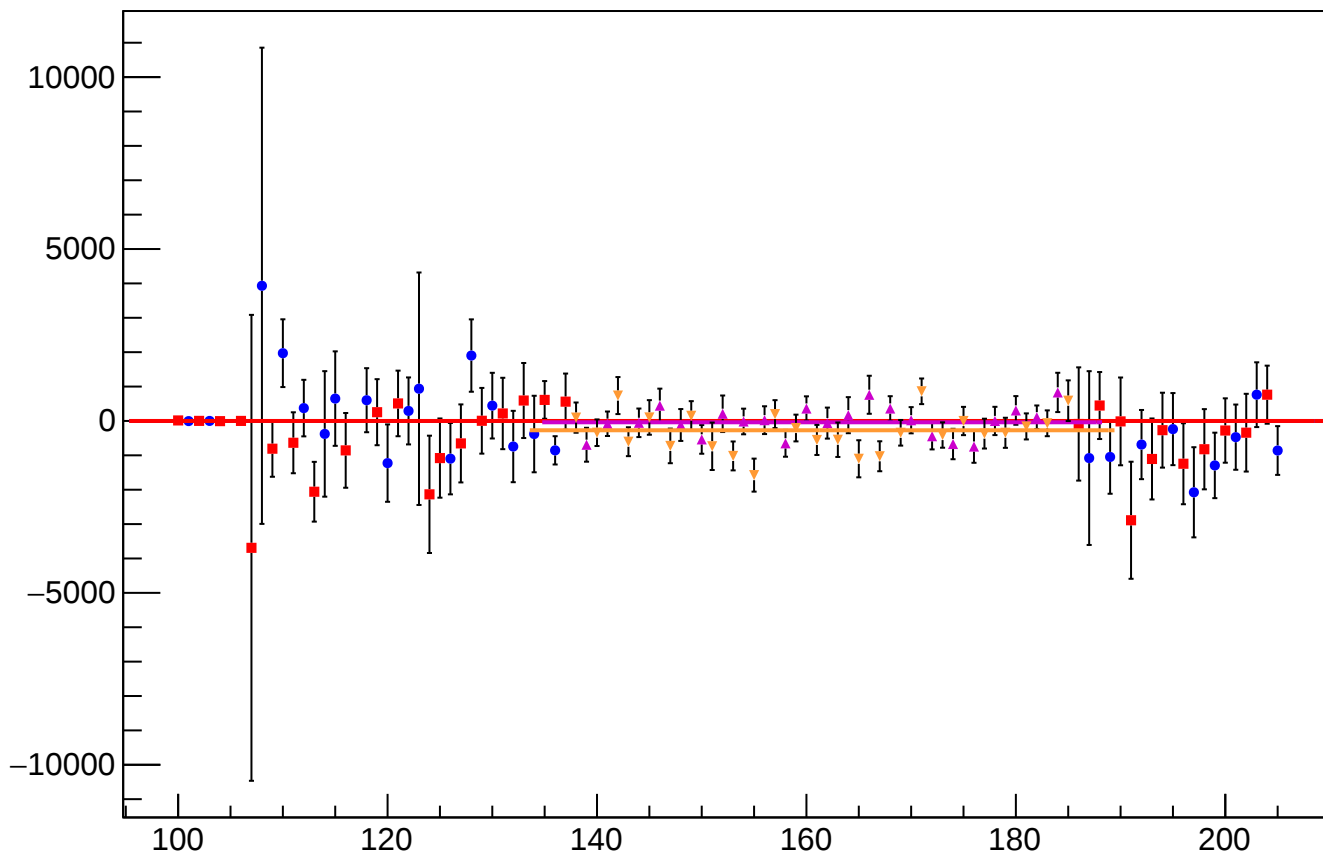
Left In: 183.498 $\pm$ 0.033 χ^2 /NDF:1483383.4/22

+ sign 189.370 $\pm$ 0.025 χ^2 /NDF: 4026652.7/50

All: 184.529 $\pm$ 0.017 χ^2 /NDF: 8276280.6/103

- sign 180.077 $\pm$ 0.024 χ^2 /NDF: 4177378.3/52

asym_cav4bQ_mean vs Slug



Right In: -1.560 ± 2.251 χ^2/NDF : 25.8/25

Left Out: -270.969 ± 86.967 χ^2/NDF : 38.1/24

Right Out: -0.737 ± 2.111 χ^2/NDF : 25.8/29

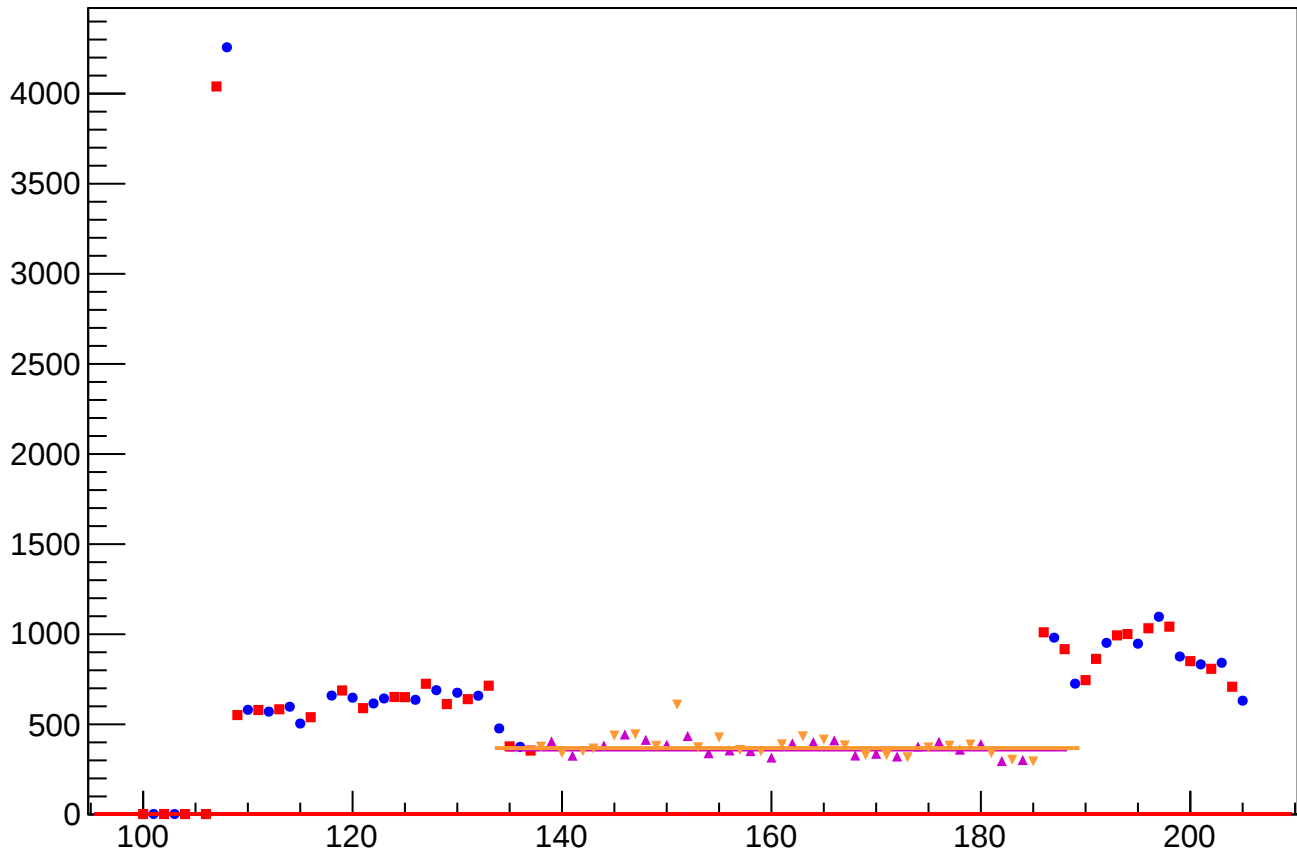
Left In: -39.078 ± 87.769 χ^2/NDF : 20.3/22

+ sign -1.740 ± 2.251 χ^2/NDF : 73.5/50

All: -1.218 ± 1.539 χ^2/NDF : 119.8/103

- sign -0.760 ± 2.110 χ^2/NDF : 46.2/52

asym_cav4bQ_rms vs Slug



Right In: 2.493+/-0.002 χ^2/NDF : 23202816.5/25

Left Out: 368.397+/-0.061 χ^2/NDF : 622466.1/24

Right Out: 2.471+/-0.001 χ^2/NDF : 25080469.7/29

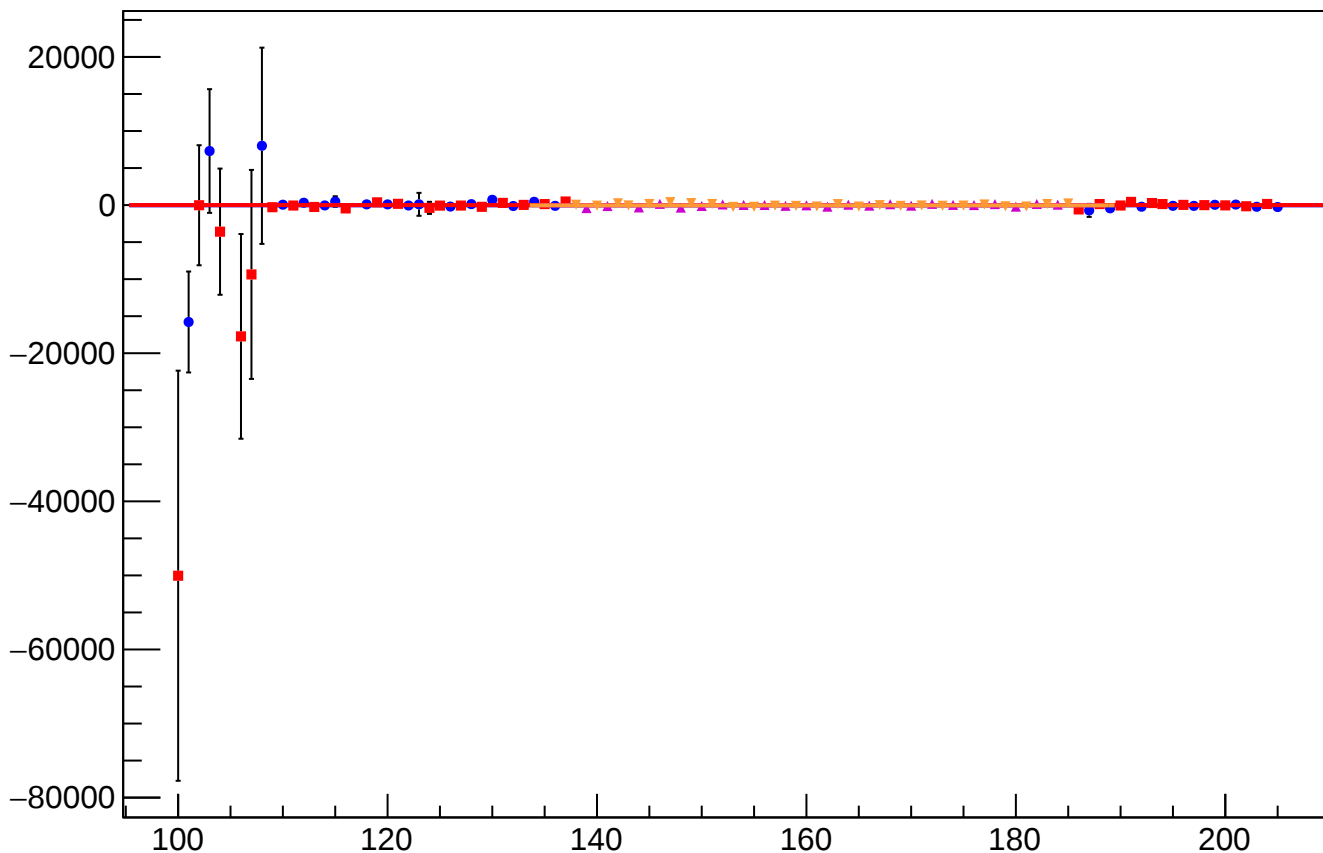
Left In: 360.408+/-0.062 χ^2/NDF : 417739.4/22

+ sign 2.738+/-0.002 χ^2/NDF : 59205481.1/50

All: 2.706+/-0.001 χ^2/NDF : 117947862.4/103

- sign 2.678+/-0.001 χ^2/NDF : 58741613.1/52

asym_cav4cQ_mean vs Slug



Right In: -31.389 ± 56.132 χ^2/NDF : 19.3/25

Left Out: -38.013 ± 49.628 χ^2/NDF : 9.3/24

Right Out: -1.175 ± 55.998 χ^2/NDF : 17.6/29

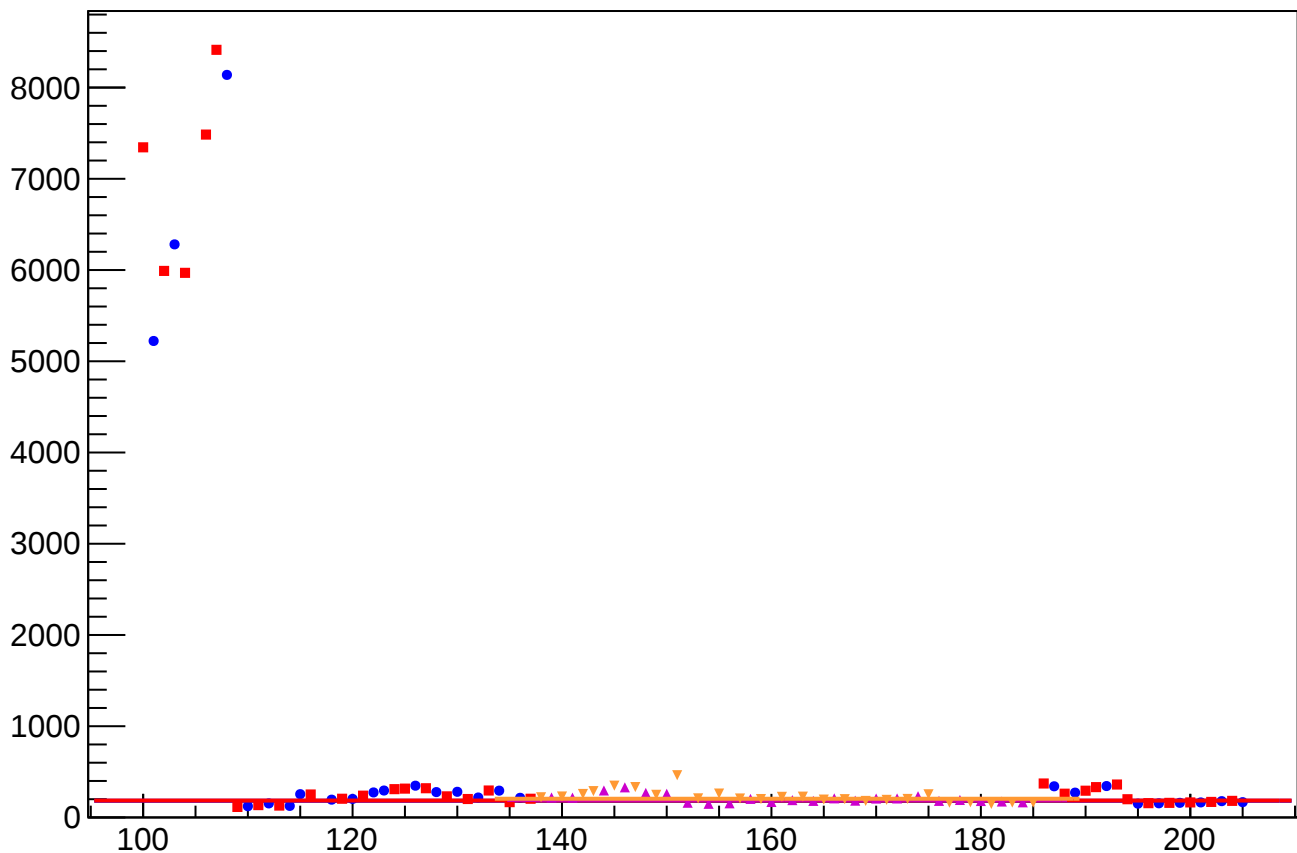
Left In: -28.205 ± 48.167 χ^2/NDF : 9.2/22

+ sign -35.107 ± 37.180 χ^2/NDF : 28.6/50

All: -25.743 ± 26.053 χ^2/NDF : 55.7/103

- sign -16.711 ± 36.517 χ^2/NDF : 27.0/52

asym_cav4cQ_rms vs Slug



Right In: 182.770 $\pm$ 0.040 χ^2 /NDF: 4496631.4/25

Left Out: 205.027 $\pm$ 0.035 χ^2 /NDF:1956045.1/24

Right Out: 185.319 $\pm$ 0.040 χ^2 /NDF: 5330699.7/29

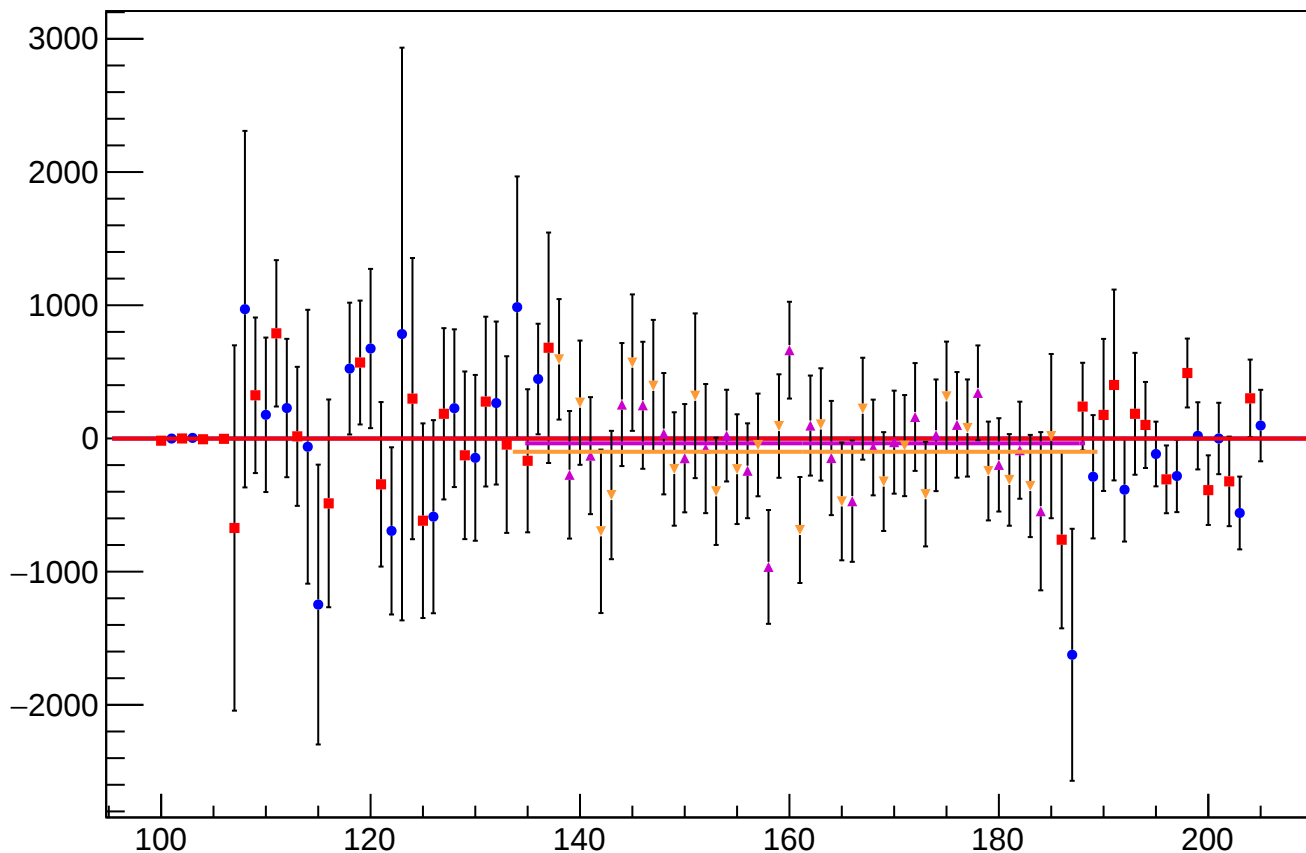
Left In: 193.405 $\pm$ 0.034 χ^2 /NDF:1172169.3/22

+ sign 195.262 $\pm$ 0.026 χ^2 /NDF: 6629158.5/50

All: 192.567 $\pm$ 0.018 χ^2 /NDF: 13176648.0/10

- sign 189.966 $\pm$ 0.026 χ^2 /NDF: 6526836.2/52

asym_cav4dQ_mean vs Slug



Right In: -0.192 ± 1.736 χ^2/NDF : 20.0/25

Left Out: -100.058 ± 84.190 χ^2/NDF : 15.7/24

Right Out: -1.319 ± 1.622 χ^2/NDF : 21.2/29

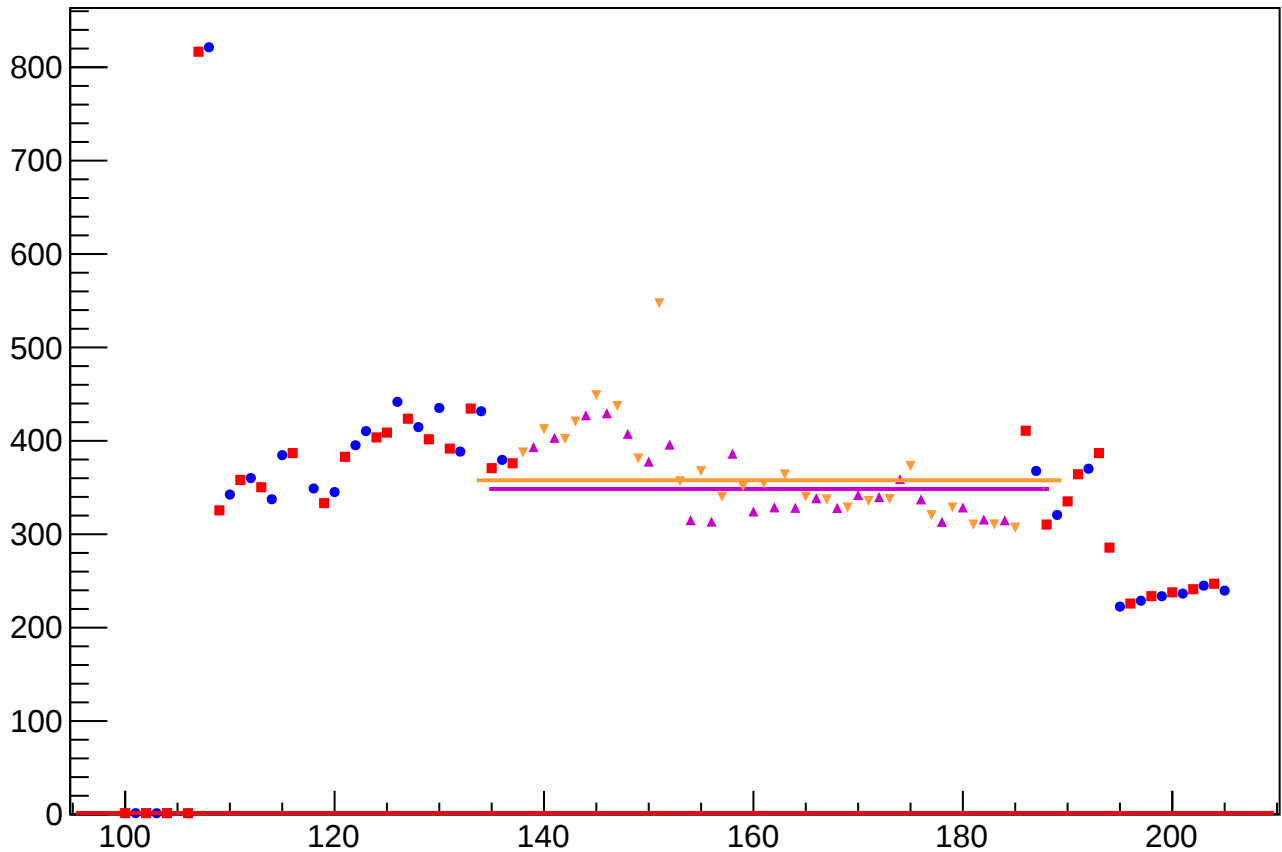
Left In: -36.497 ± 84.675 χ^2/NDF : 13.5/22

+ sign -0.235 ± 1.736 χ^2/NDF : 37.1/50

All: -0.820 ± 1.185 χ^2/NDF : 72.2/103

- sign -1.332 ± 1.622 χ^2/NDF : 34.9/52

asym_cav4dQ_rms vs Slug



Right In: 1.527 ± 0.001 $\chi^2/\text{NDF}: 23421445.5/25$

Left Out: 357.771 ± 0.060 $\chi^2/\text{NDF}: 547124.8/24$

Right Out: 1.518 ± 0.001 $\chi^2/\text{NDF}: 24767550.0/29$

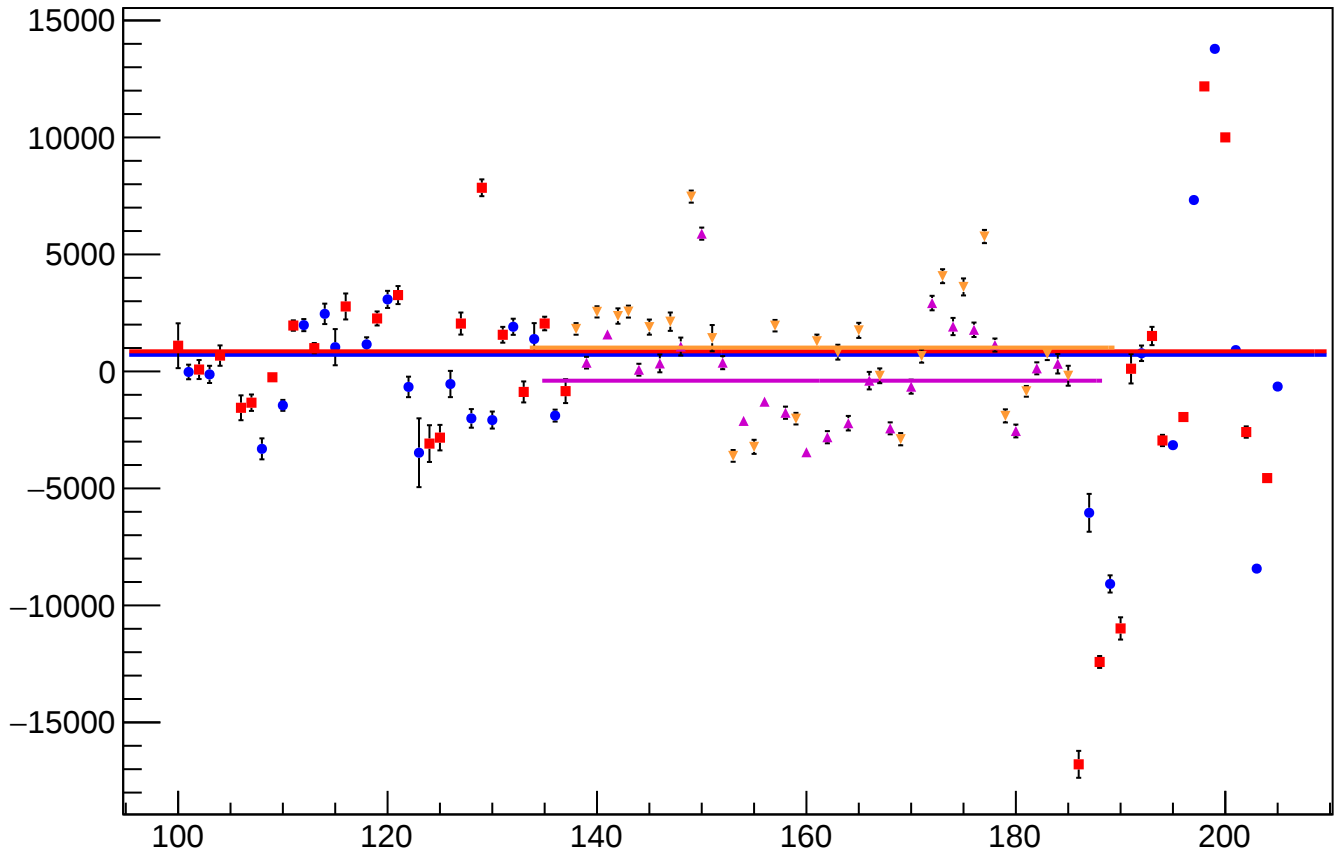
Left In: 348.464 ± 0.060 $\chi^2/\text{NDF}: 360425.7/22$

+ sign 1.678 ± 0.001 $\chi^2/\text{NDF}: 59763558.0/50$

All: 1.661 ± 0.001 $\chi^2/\text{NDF}: 118456493.3/103$

- sign 1.645 ± 0.001 $\chi^2/\text{NDF}: 58692546.8/52$

asym_bcm0l02_mean vs Slug



Right In: 710.020 $\pm$ 55.767 χ^2 /NDF: 10661.9/25

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

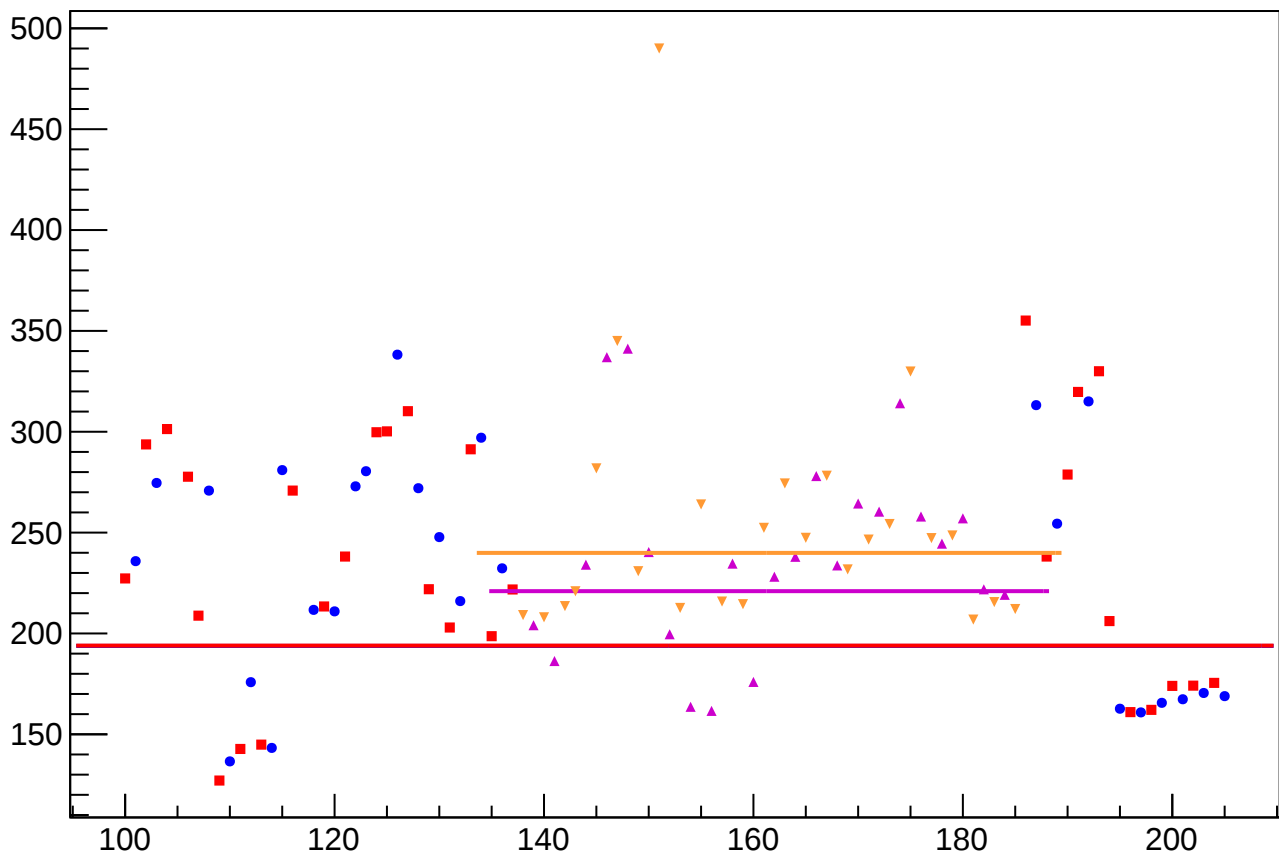
Left In: -396.609 $\pm$ 55.090 χ^2 /NDF:1581.0/22

+ sign 860.030 $\pm$ 39.999 χ^2 /NDF: 12986.9/50

All: 540.226 $\pm$ 27.786 χ^2 /NDF: 27587.7/103

- sign 241.966 $\pm$ 38.628 χ^2 /NDF: 14477.2/52

asym_bcm0l02_rms vs Slug



Right In: 193.825 ± 0.039 χ^2/NDF : 1450042.9/25

Left Out: 239.942 ± 0.041 χ^2/NDF : 1000770.0/24

Right Out: 193.969 ± 0.038 χ^2/NDF : 1978721.4/29

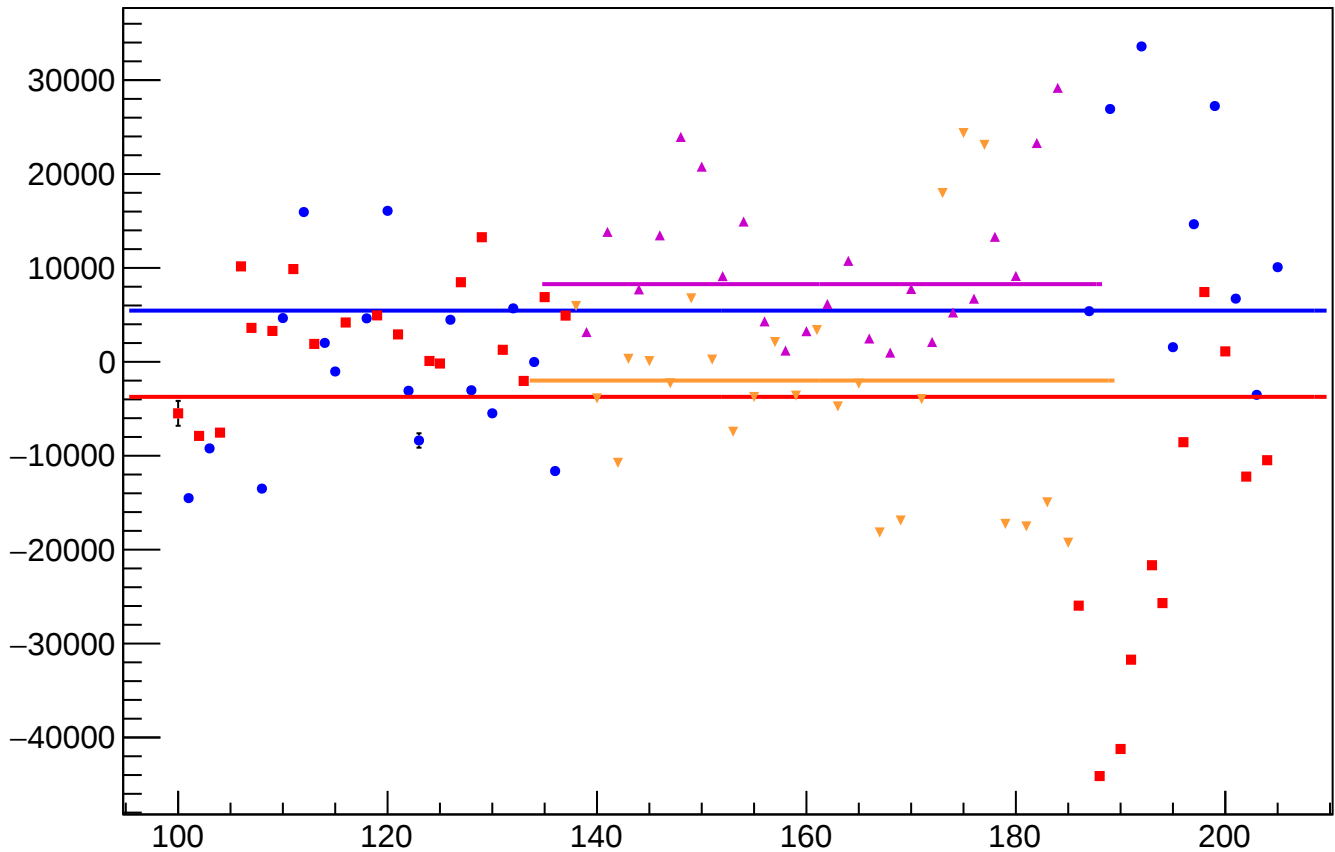
Left In: 220.972 ± 0.039 χ^2/NDF : 1327680.6/22

+ sign 216.217 ± 0.028 χ^2/NDF : 3114901.0/50

All: 211.575 ± 0.020 χ^2/NDF : 6717628.7/103

- sign 207.245 ± 0.027 χ^2/NDF : 3550655.4/52

asym_bpm0i02WS_mean vs Slug



Right In: 5454.827+/-43.477 χ^2/NDF : 86952.7/25

Left Out: -1991.788+/-42.427 χ^2/NDF : 63766.6/24

+ sign 1640.478+/-30.365 χ^2/NDF : 165745.7/50

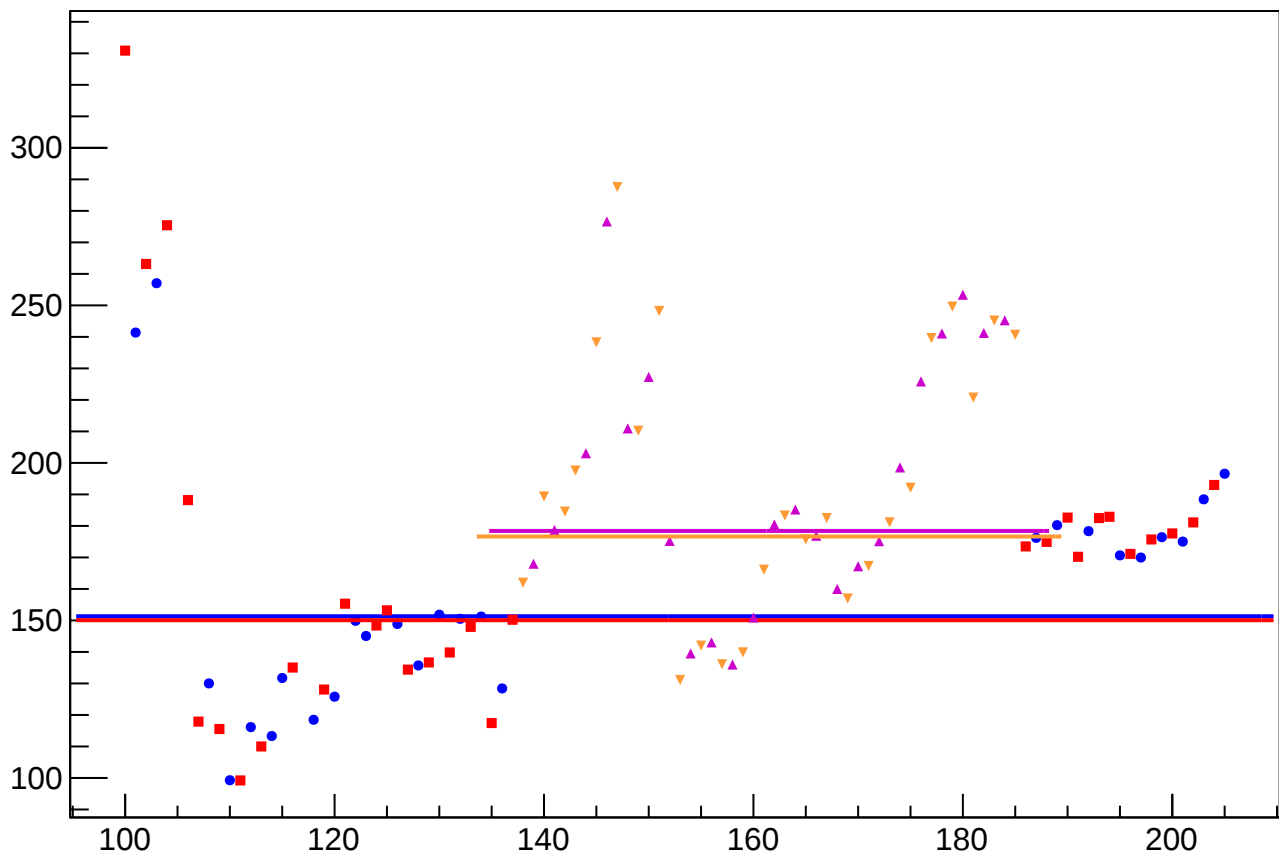
Right Out: -3728.782+/-41.326 χ^2/NDF : 132938.1/29

All: 1748.636+/-21.419 χ^2/NDF : 360824.5/10

Left In: 8273.228+/-44.301 χ^2/NDF : 22870.2/22

- sign 1855.759+/-30.219 χ^2/NDF : 195053.5/52

asym_bpm0i02WS_rms vs Slug



Right In: 151.325+/-0.031 χ^2/NDF : 1152437.6/25

Left Out: 176.641+/-0.030 χ^2/NDF :1551048.8/24

Right Out: 150.078+/-0.029 χ^2/NDF : 1426076.3/29

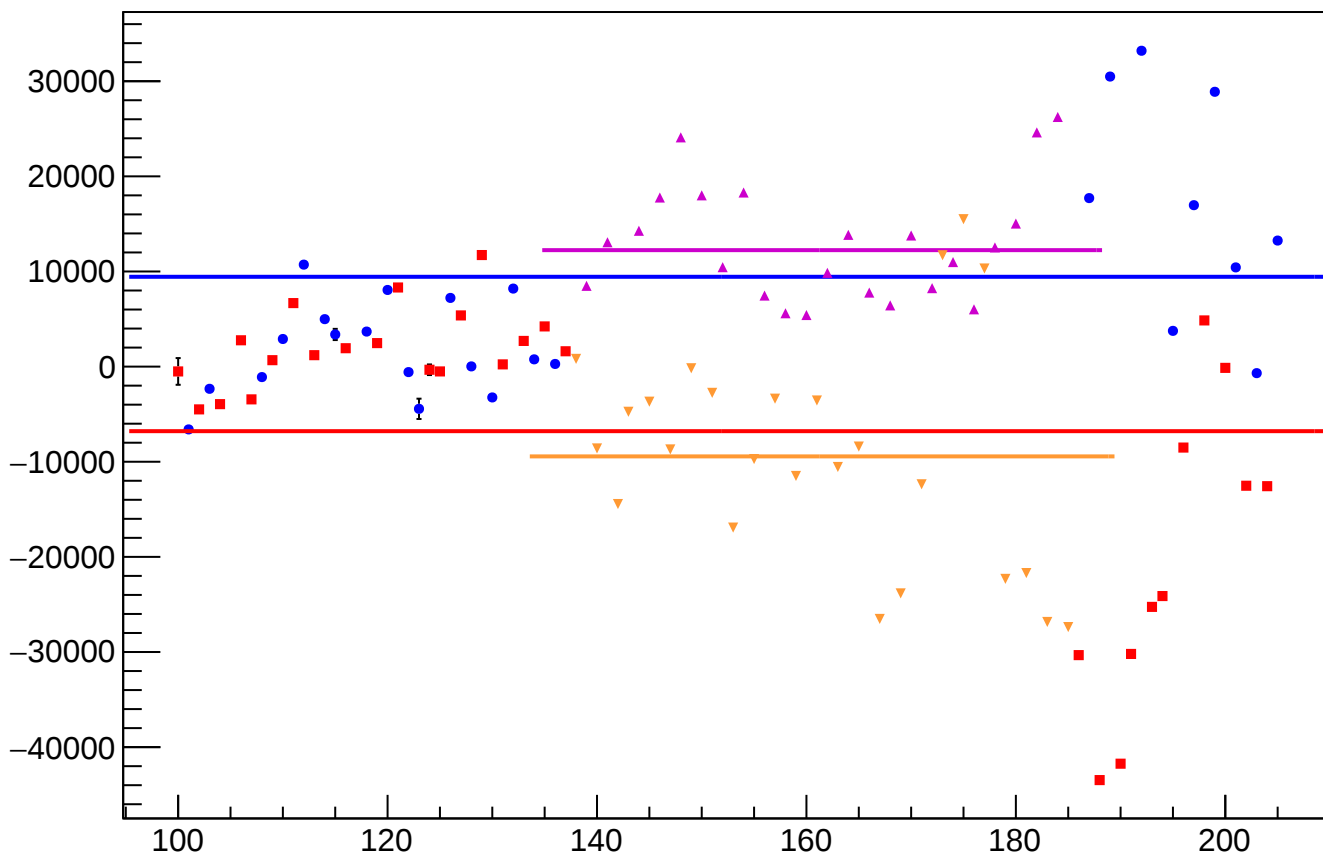
Left In: 178.413+/-0.031 χ^2/NDF :1293736.2/22

+ sign 164.292+/-0.021 χ^2/NDF : 3050821.9/50

All: 163.775+/-0.015 χ^2/NDF : 6209271.0/103

- sign 163.263+/-0.021 χ^2/NDF : 3157293.3/52

asym_bpm0i02aWS_mean vs Slug



Right In: 9442.233+/-49.643 χ^2/NDF : 48757.1/25

Left Out: -9437.408+/-45.534 χ^2/NDF : 62220.4/24

Right Out: -6785.932+/-47.076 χ^2/NDF : 102925.0/29

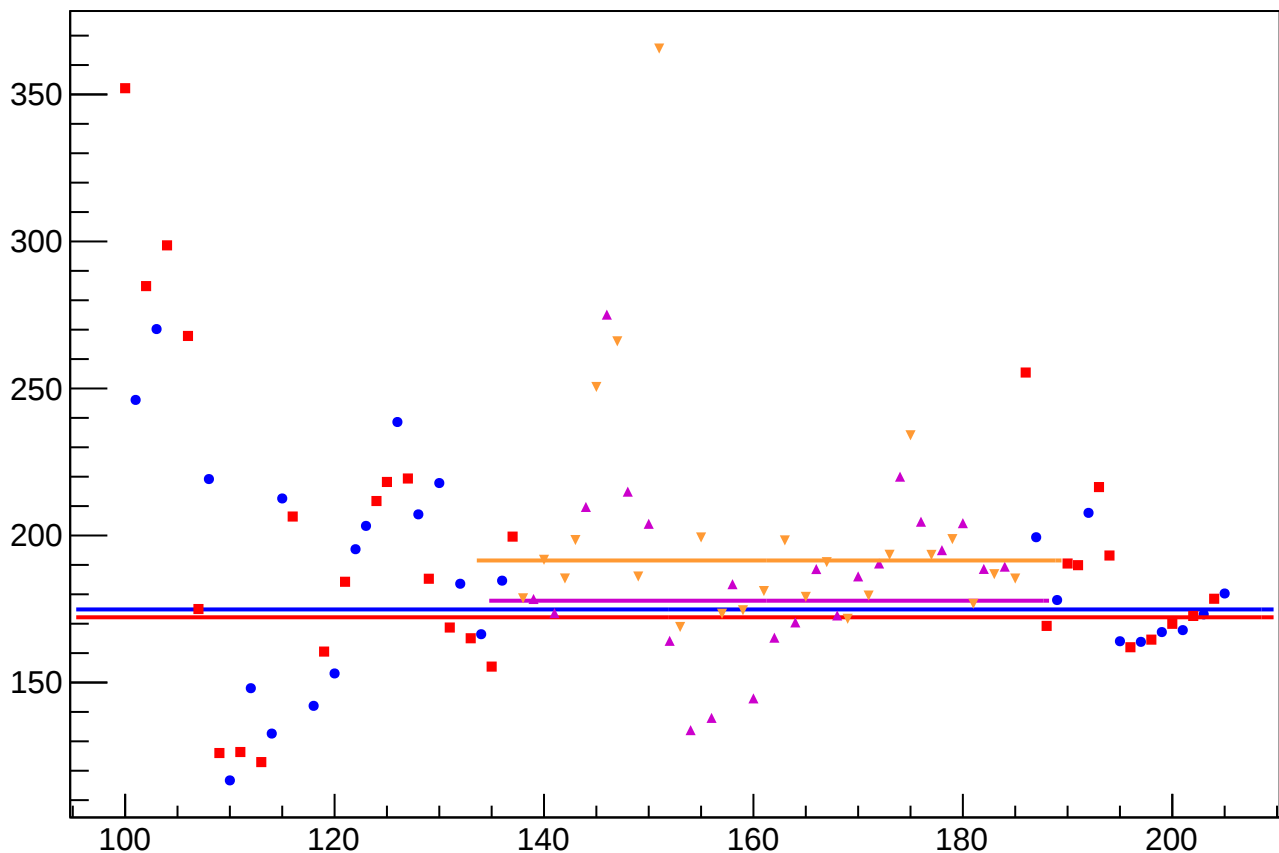
Left In: 12242.226+/-43.944 χ^2/NDF : 16615.8/22

+ sign -811.054+/-33.556 χ^2/NDF : 189526.9/50

All: 1376.938+/-23.205 χ^2/NDF : 404518.5/10

- sign 3382.082+/-32.124 χ^2/NDF : 206843.9/52

asym_bpm0i02aWS_rms vs Slug



Right In: 174.854+/-0.035 χ^2/NDF : 759679.9/25

Left Out: 191.507+/-0.032 χ^2/NDF : 727251.6/24

Right Out: 172.183+/-0.033 χ^2/NDF : 1125496.9/29

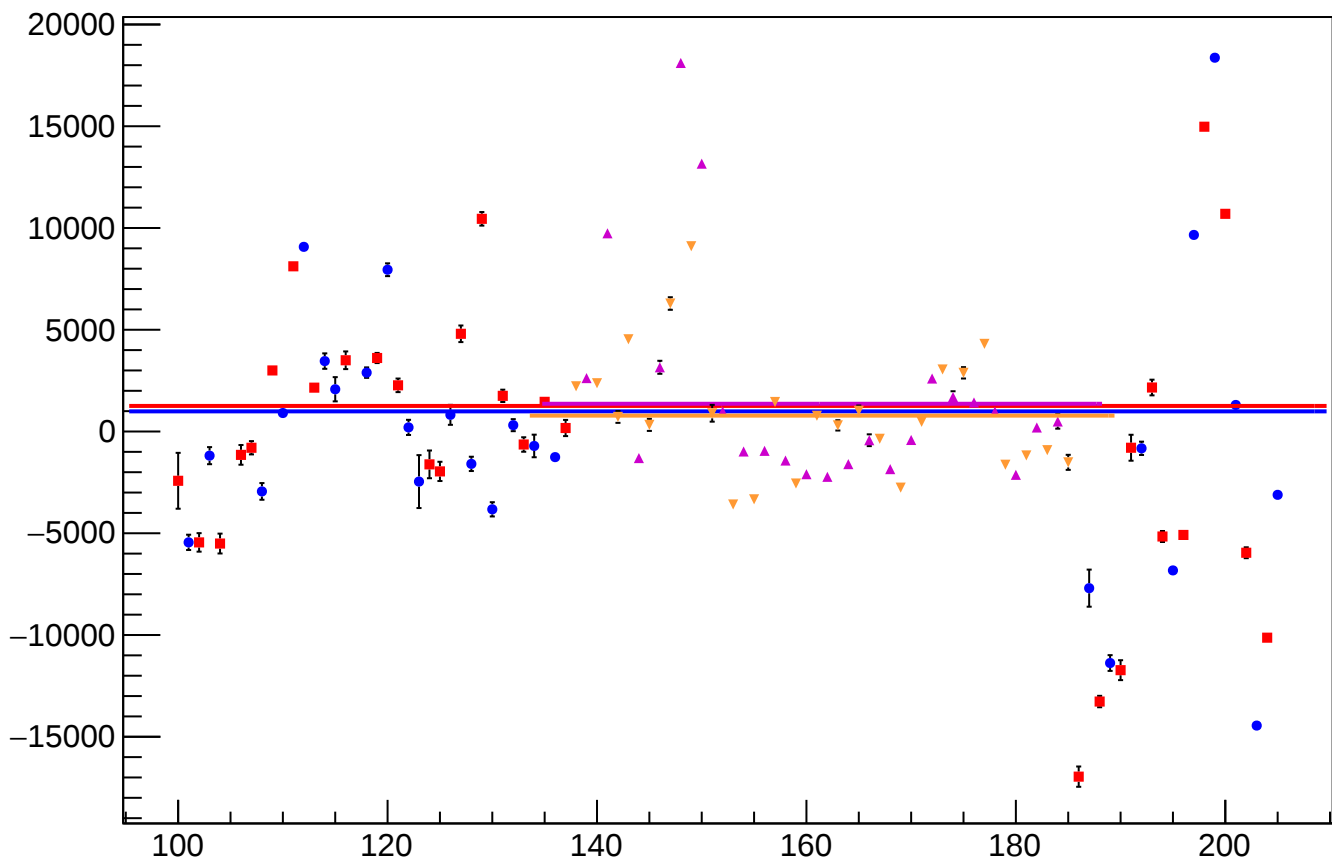
Left In: 177.821+/-0.031 χ^2/NDF : 862494.4/22

+ sign 183.898+/-0.024 χ^2/NDF : 1609152.0/50

All: 179.357+/-0.016 χ^2/NDF : 3682653.4/103

- sign 175.196+/-0.023 χ^2/NDF : 2003321.2/52

asym_bpm0i05WS_mean vs Slug



Right In: 989.600 $\pm$ 55.798 χ^2 /NDF: 19979.6/25

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

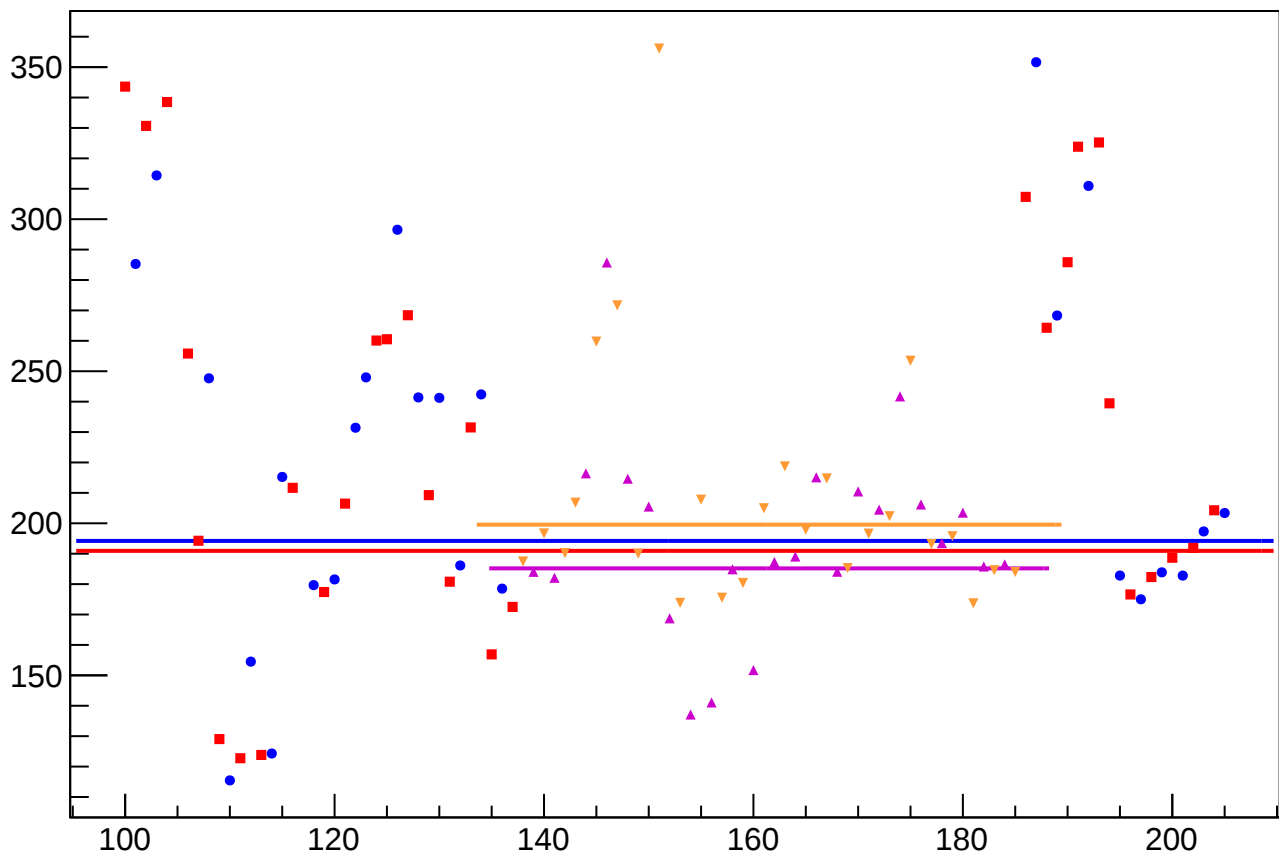
Left In: 1363.043 $\pm$ 45.807 χ^2 /NDF:11632.9/22

+ sign 867.970 $\pm$ 36.150 χ^2 /NDF: 24248.5/50

All: 1101.877 $\pm$ 25.049 χ^2 /NDF: 54853.7/103

- sign 1317.917 $\pm$ 34.742 χ^2 /NDF: 30524.6/52

asym_bpm0i05WS_rms vs Slug



Right In: 194.203 ± 0.039 $\chi^2/\text{NDF}: 1410264.3/25$

Left Out: 199.547 ± 0.034 $\chi^2/\text{NDF}: 729356.3/24$

Right Out: 190.932 ± 0.038 $\chi^2/\text{NDF}: 2134116.7/29$

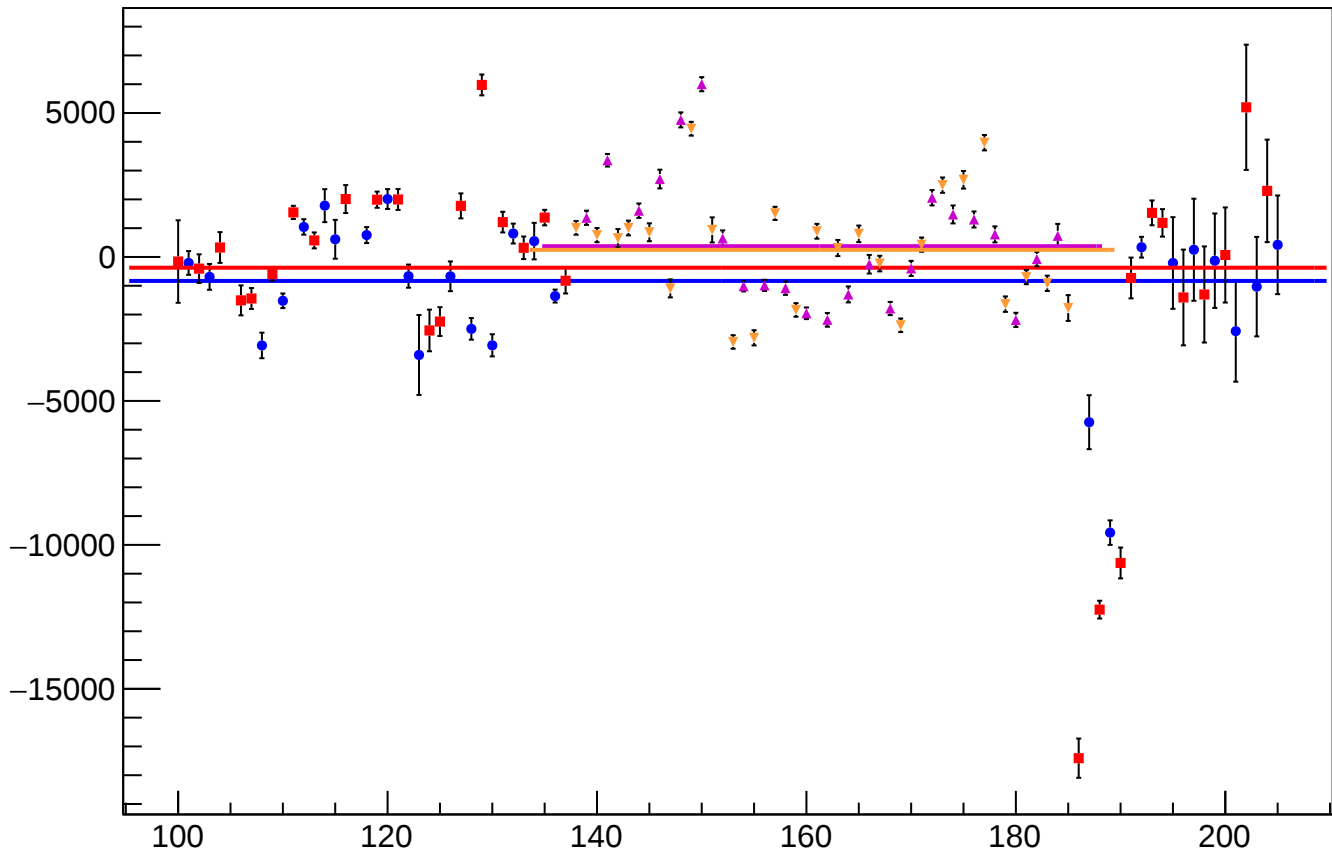
Left In: 185.171 ± 0.032 $\chi^2/\text{NDF}: 882752.2/22$

+ sign 197.304 ± 0.026 $\chi^2/\text{NDF}: 2150263.5/50$

All: 192.268 ± 0.018 $\chi^2/\text{NDF}: 5255215.2/103$

- sign 187.618 ± 0.025 $\chi^2/\text{NDF}: 3030306.1/52$

asym_bpm0i07WS_mean vs Slug



Right In: -832.364+/-83.541 χ^2/NDF : 761.7/25

Left Out: 247.844+/-53.555 χ^2/NDF :1355.1/24

Right Out: -373.180+/-75.073 χ^2/NDF : 3171.4/29

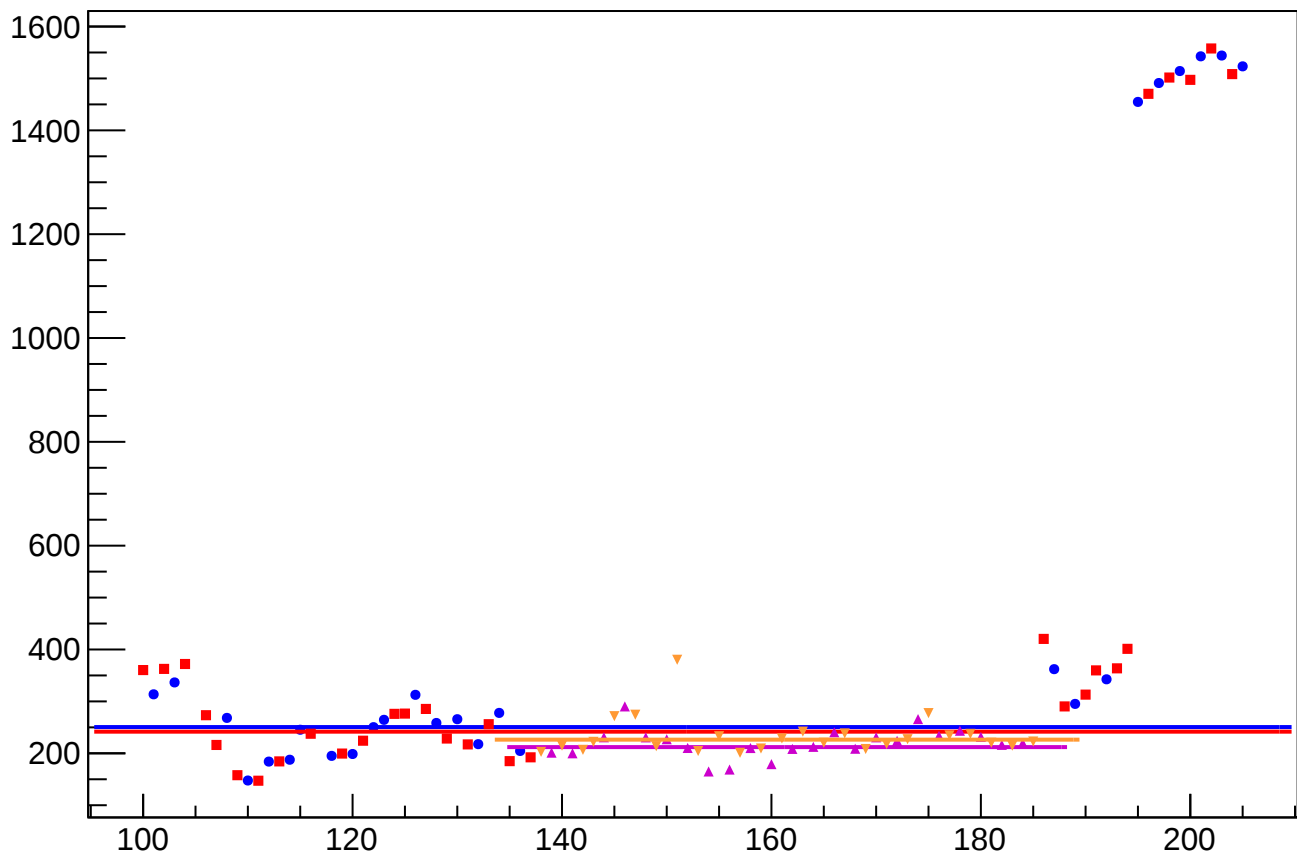
Left In: 374.122+/-52.049 χ^2/NDF :1801.0/22

+ sign -66.779+/-45.086 χ^2/NDF : 2235.3/50

All: 37.586+/-31.031 χ^2/NDF : 7284.8/103

- sign 131.522+/-42.774 χ^2/NDF : 5039.3/52

asym_bpm0i07WS_rms vs Slug



Right In: 250.568 $\pm$ 0.059 χ^2 /NDF: 7663074.2/25

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

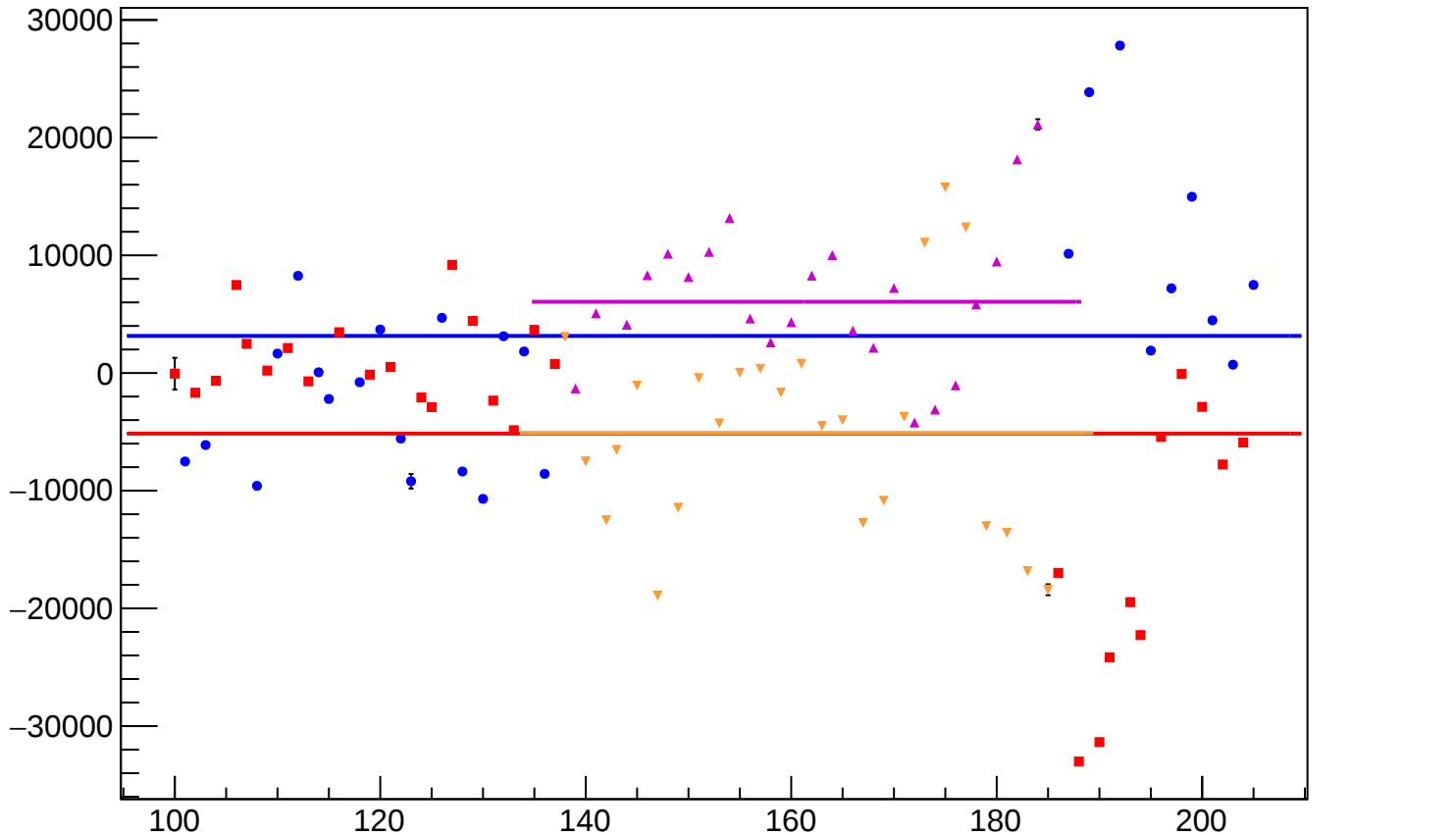
Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

+ sign 233.384 $\pm$ 0.032 χ^2 /NDF: 8303518.0/50

All: 227.195 $\pm$ 0.022 χ^2 /NDF: 16153442.9/10

- sign 221.624 $\pm$ 0.030 χ^2 /NDF: 7778310.6/52

asym_bpm1i02WS_mean vs Slug



Right In: 3151.589 $\pm$ 36.951 χ^2/NDF : 73941.5/25

Left Out: -5095.305 $\pm$ 33.703 χ^2/NDF : 54395.4/24

+ sign -1350.112 $\pm$ 24.901 χ^2/NDF : 155527.3/50

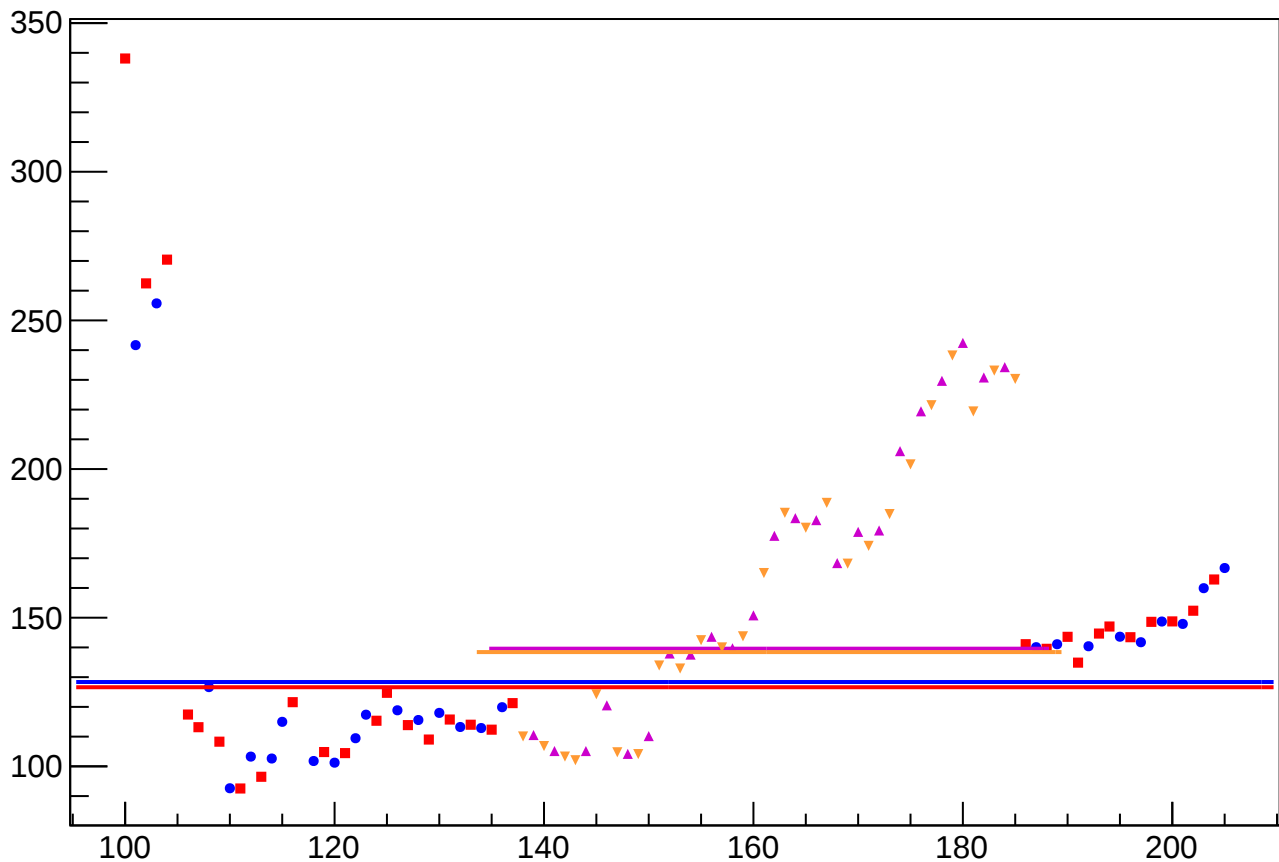
Right Out: -5147.498 $\pm$ 34.813 χ^2/NDF : 101013.7/29

All: -455.533 $\pm$ 17.530 χ^2/NDF : 328176.9/10

- sign 423.355 $\pm$ 24.682 χ^2/NDF : 170090.9/52

Left In: 6053.569 $\pm$ 34.998 χ^2/NDF : 17590.3/22

asym_bpm1i02WS_rms vs Slug



Right In: 128.365 $\pm$ 0.026 χ^2 /NDF: 1145307.4/25

Left Out: 138.436 $\pm$ 0.024 χ^2 /NDF: 2549435.8/24

Right Out: 126.609 $\pm$ 0.025 χ^2 /NDF: 1252162.1/29

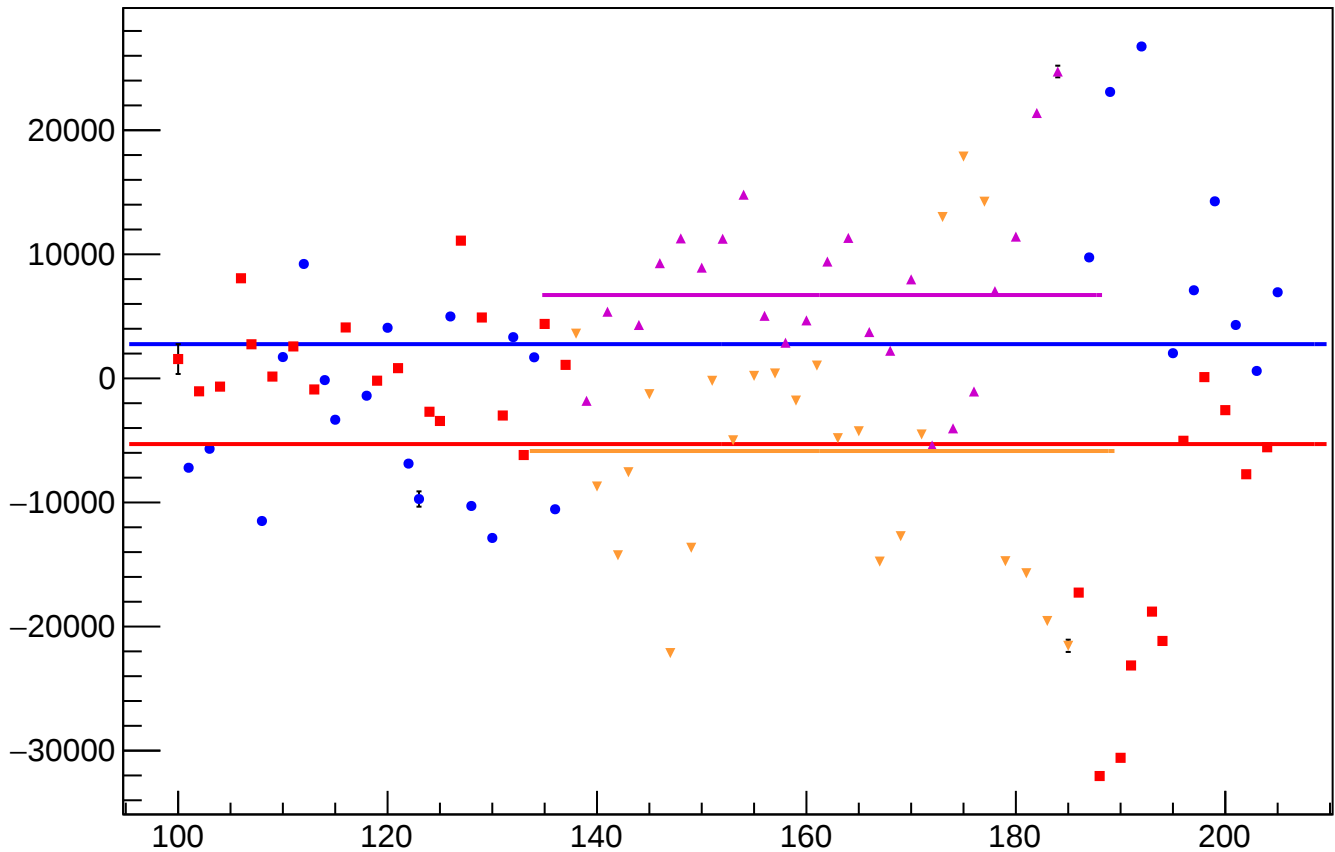
Left In: 139.578 $\pm$ 0.025 χ^2 /NDF: 2413658.9/22

+ sign 133.862 $\pm$ 0.018 χ^2 /NDF: 3775838.4/50

All: 133.457 $\pm$ 0.012 χ^2 /NDF: 7580737.9/103

- sign 133.059 $\pm$ 0.017 χ^2 /NDF: 3803850.5/52

asym_bpm2i01WS_mean vs Slug



Right In: 2760.584 $\pm$ 37.137 χ^2/NDF : 78942.9/25

Left Out: -5852.544 $\pm$ 35.880 χ^2/NDF : 63411.4/24

Right Out: -5293.137 $\pm$ 35.145 χ^2/NDF : 101521.4/29

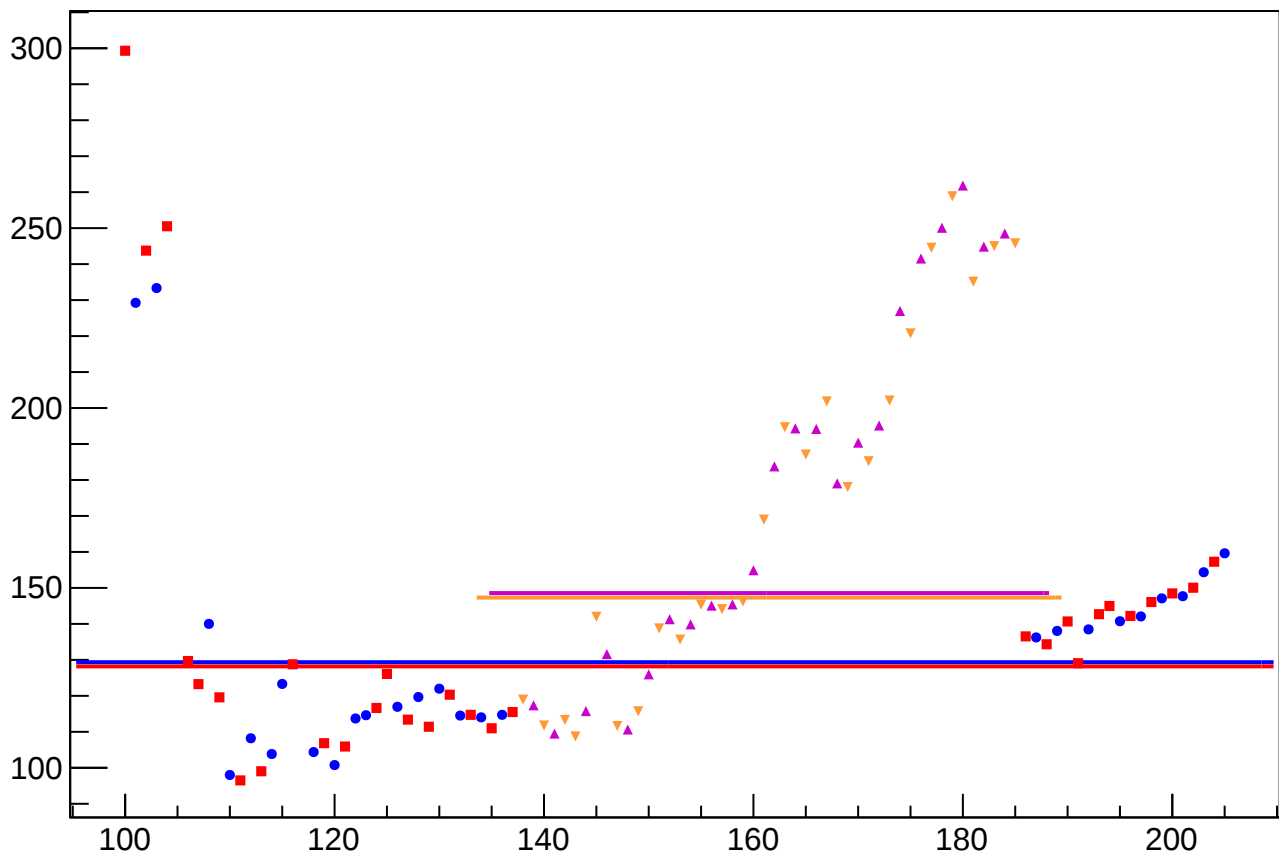
Left In: 6718.475 $\pm$ 37.276 χ^2/NDF : 20934.3/22

+ sign -1694.294 $\pm$ 25.804 χ^2/NDF : 170175.3/50

All: -658.017 $\pm$ 18.163 χ^2/NDF : 350798.0/10

- sign 359.667 $\pm$ 25.571 χ^2/NDF : 177426.0/52

asym_bpm2i01WS_rms vs Slug



Right In: 129.349+/-0.026 χ^2/NDF : 925893.5/25

Left Out: 147.317+/-0.025 χ^2/NDF : 2511679.9/24

Right Out: 128.186+/-0.025 χ^2/NDF : 998281.9/29

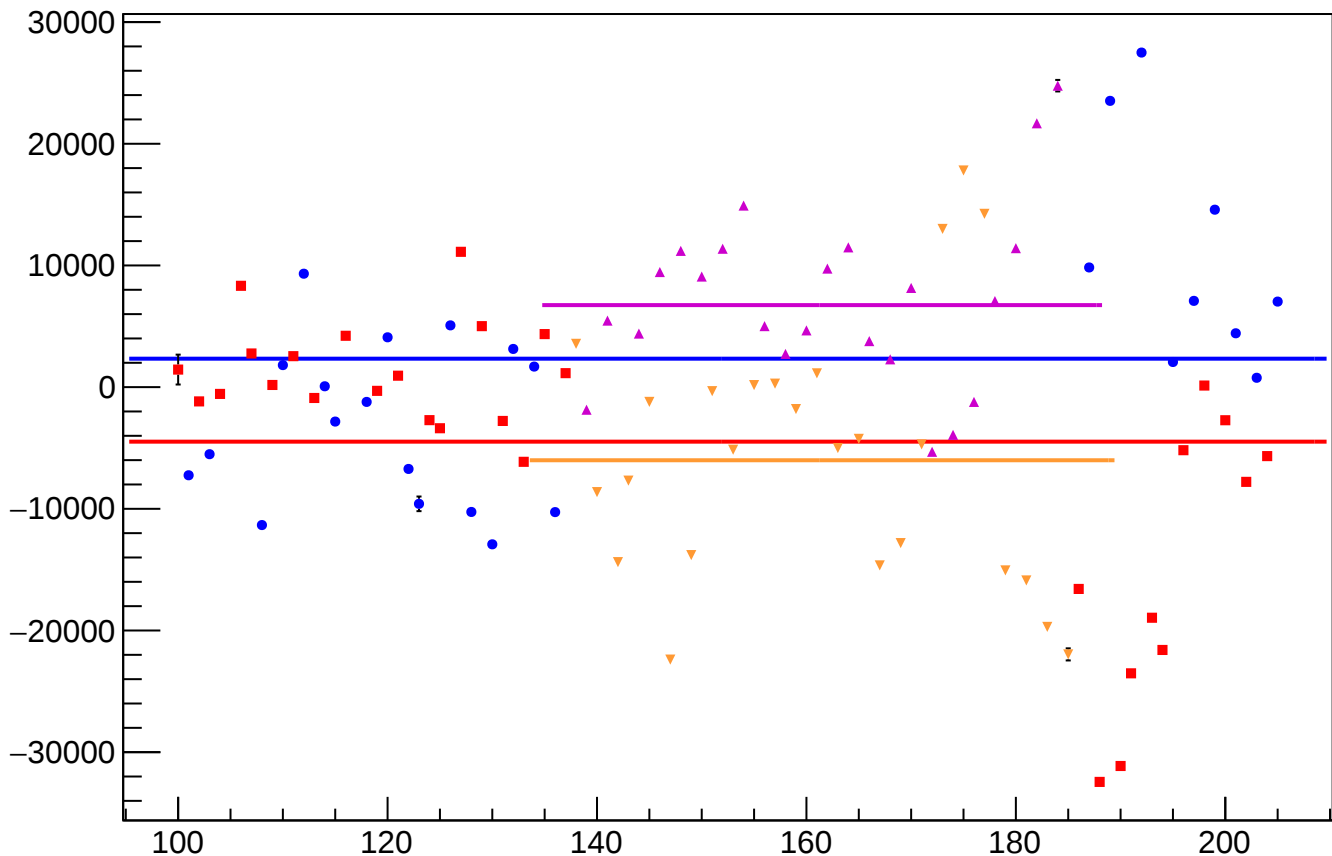
Left In: 148.569+/-0.026 χ^2/NDF : 2393185.0/22

+ sign 138.643+/-0.018 χ^2/NDF : 3679718.0/50

All: 138.207+/-0.013 χ^2/NDF : 7388887.9/103

- sign 137.778+/-0.018 χ^2/NDF : 3708037.7/52

asym_bpm2i02WS_mean vs Slug



Right In: 2337.927+/-36.727 χ^2/NDF : 78350.9/25

Left Out: -6009.913+/-35.082 χ^2/NDF : 67852.2/24

Right Out: -4480.598+/-34.862 χ^2/NDF : 96152.8/29

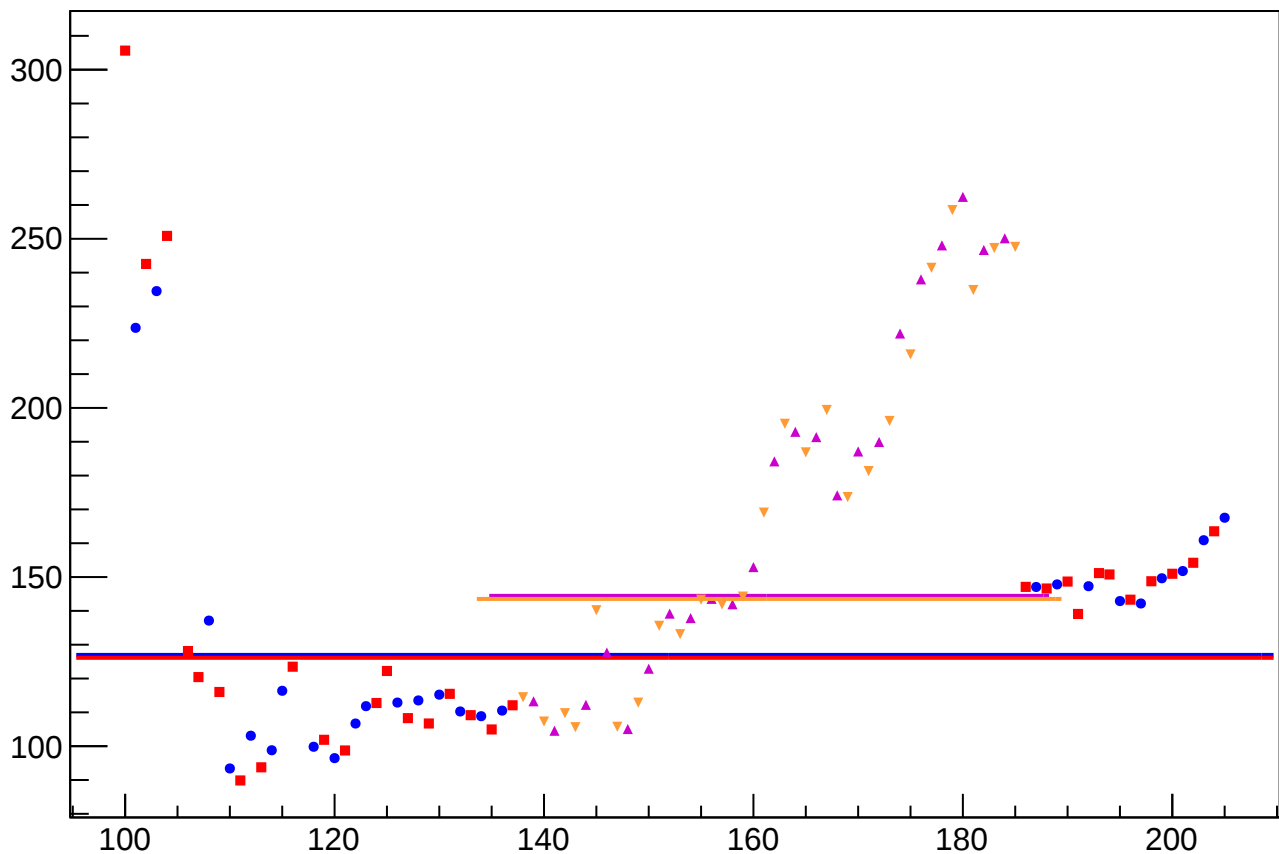
Left In: 6740.666+/-36.379 χ^2/NDF : 22071.8/22

+ sign -2027.098+/-25.369 χ^2/NDF : 173217.0/50

All: -556.550+/-17.868 χ^2/NDF : 347706.5/10

- sign 891.128+/-25.170 χ^2/NDF : 167821.3/52

asym_bpm2i02WS_rms vs Slug



Right In: 126.985+/-0.026 χ^2/NDF : 1203908.9/25

Left Out: 143.531+/-0.025 χ^2/NDF : 2704790.3/24

Right Out: 126.128+/-0.025 χ^2/NDF : 1351956.8/29

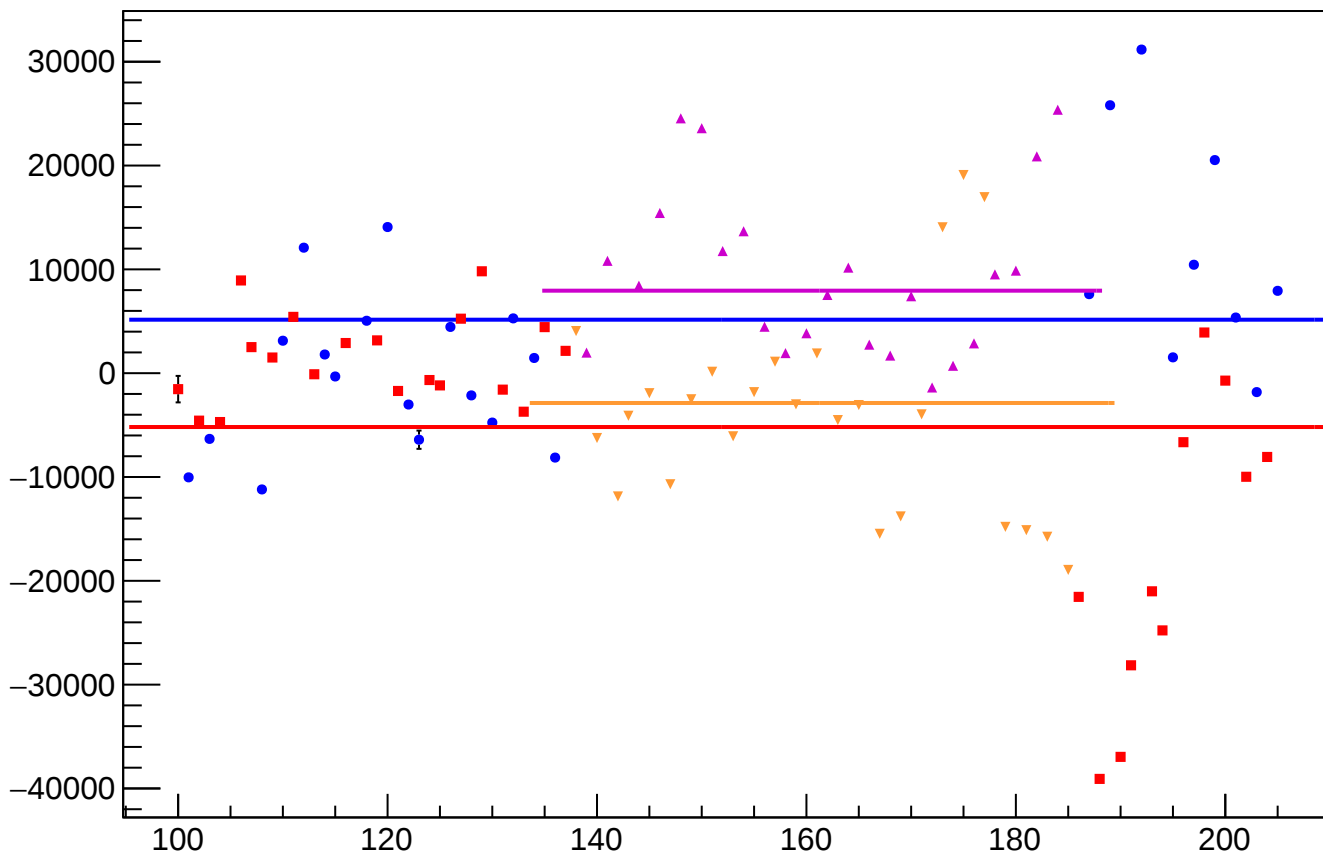
Left In: 144.440+/-0.026 χ^2/NDF : 2586926.1/22

+ sign 135.637+/-0.018 χ^2/NDF : 4120942.1/50

All: 135.263+/-0.013 χ^2/NDF : 8324826.9/103

- sign 134.894+/-0.018 χ^2/NDF : 4203021.6/52

asym_bpm0i01WS_mean vs Slug



Right In: 5151.705+/-44.458 χ^2/NDF : 59870.6/25

Left Out: -2870.473+/-39.482 χ^2/NDF : 46420.3/24

Right Out: -5185.651+/-42.190 χ^2/NDF : 95371.1/29

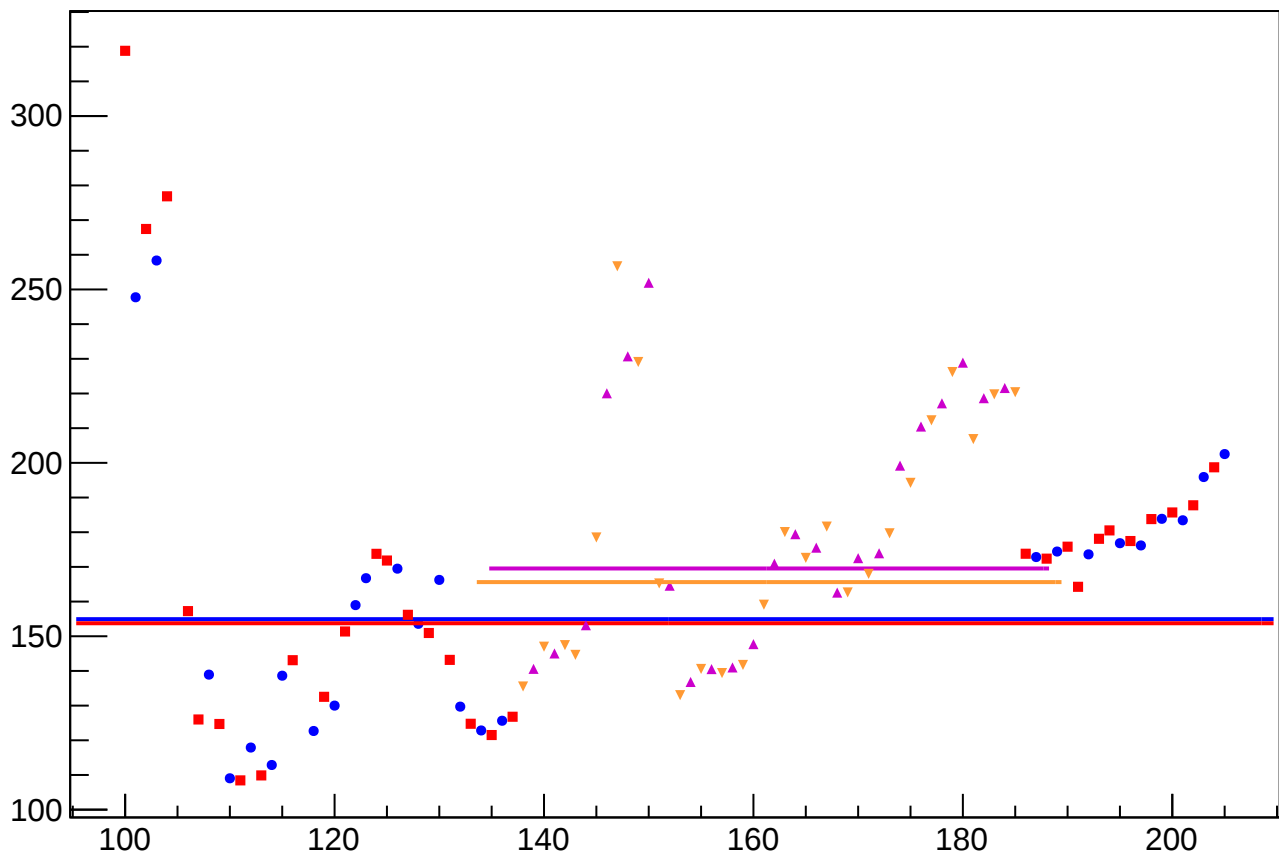
Left In: 7947.160+/-41.726 χ^2/NDF : 23874.5/22

+ sign 666.719+/-29.521 χ^2/NDF : 124494.1/50

All: 1058.157+/-20.926 χ^2/NDF : 293075.6/10

- sign 1453.480+/-29.667 χ^2/NDF : 168228.1/52

asym_bpm0i01WS_rms vs Slug



Right In: 154.929 $\pm$ 0.031 χ^2 /NDF: 1158105.9/25

Left Out: 165.616 $\pm$ 0.028 χ^2 /NDF:1144779.3/24

Right Out: 153.748 $\pm$ 0.030 χ^2 /NDF: 1282892.3/29

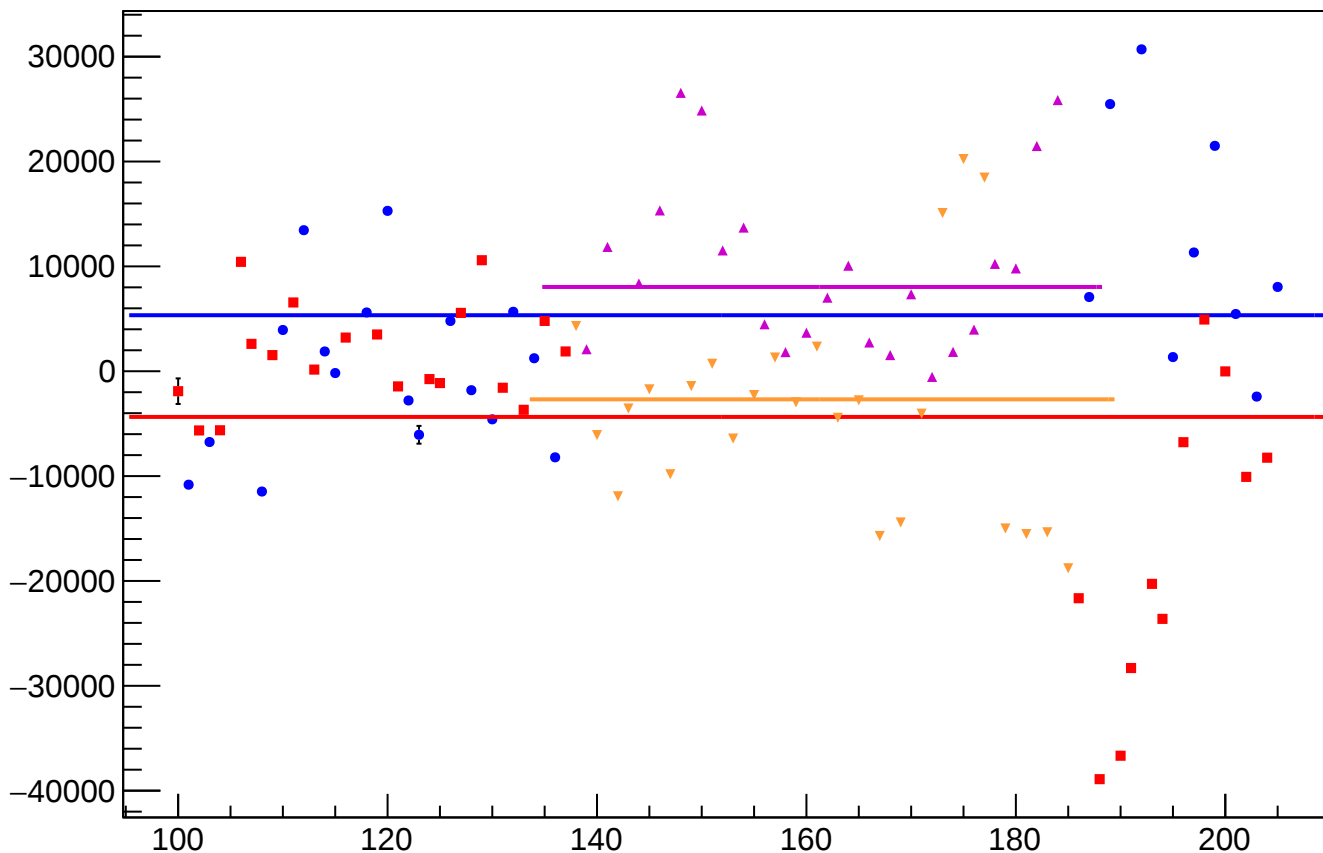
Left In: 169.542 $\pm$ 0.030 χ^2 /NDF:1159241.9/22

+ sign 160.904 $\pm$ 0.021 χ^2 /NDF: 2367499.1/50

All: 161.316 $\pm$ 0.015 χ^2 /NDF: 4952096.1/103

- sign 161.732 $\pm$ 0.021 χ^2 /NDF: 2583813.5/52

asym_bpm0i01aWS_mean vs Slug



Right In: 5342.616+/-37.480 χ^2/NDF : 84296.7/25

Left Out: -2680.012+/-35.764 χ^2/NDF : 56820.4/24

Right Out: -4356.605+/-35.326 χ^2/NDF : 132695.0/29

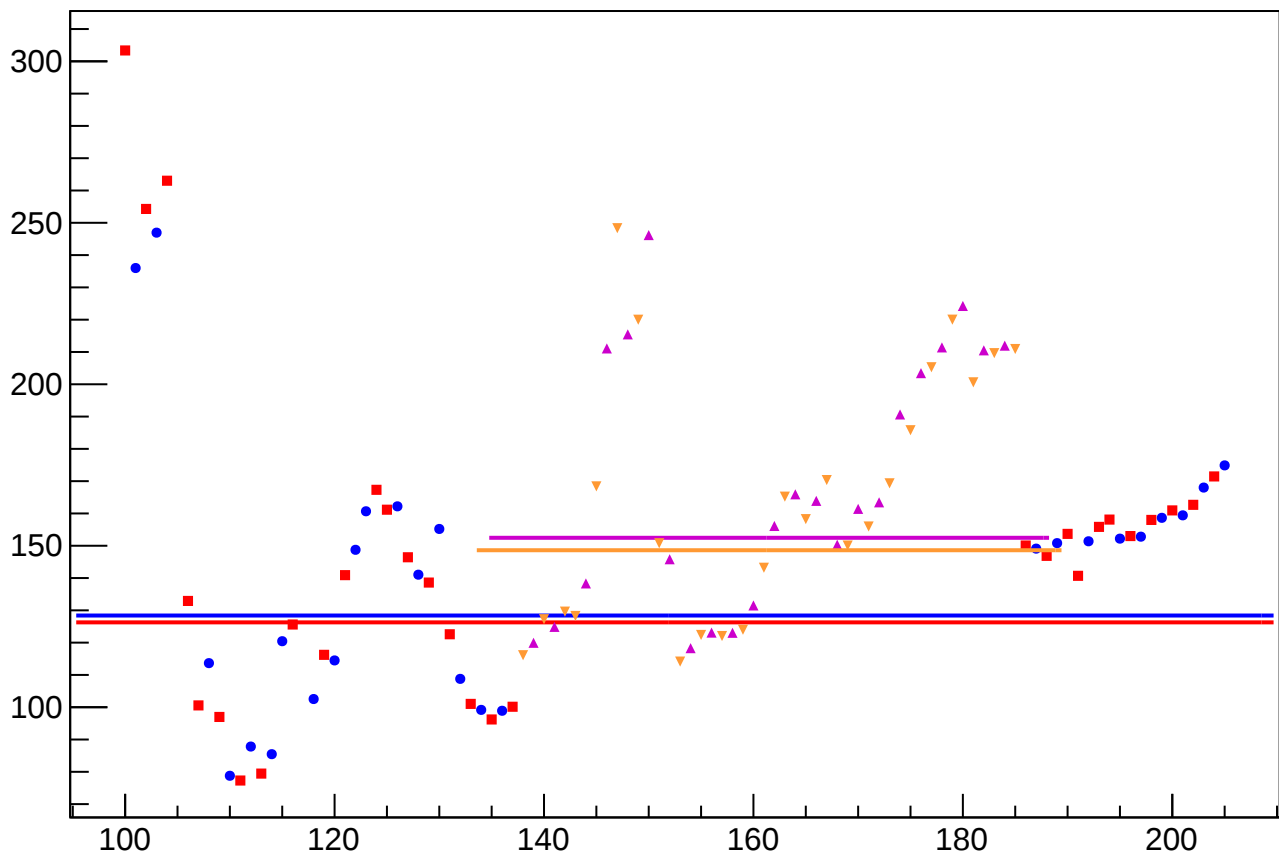
Left In: 8036.826+/-37.924 χ^2/NDF : 29261.6/22

+ sign 1143.410+/-25.874 χ^2/NDF : 165099.1/50

All: 1272.353+/-18.287 χ^2/NDF : 384285.7/10

- sign 1401.047+/-25.849 χ^2/NDF : 219136.9/52

asym_bpm0i01aWS_rms vs Slug



Right In: 128.395+/-0.027 χ^2/NDF : 1831307.8/25

Left Out: 148.611+/-0.025 χ^2/NDF :1685424.1/24

Right Out: 126.275+/-0.025 χ^2/NDF : 2098725.5/29

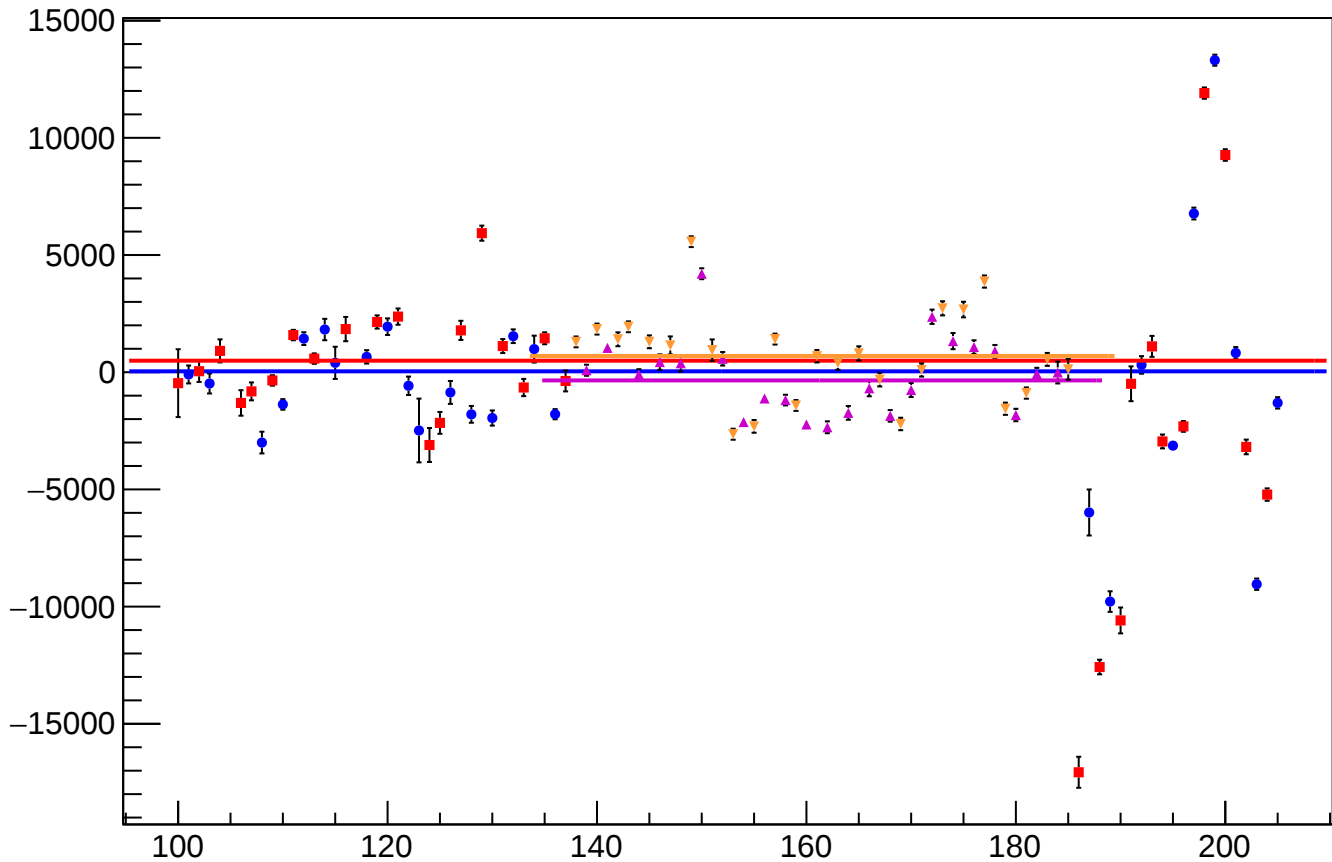
Left In: 152.463+/-0.027 χ^2/NDF :1691517.7/22

+ sign 138.977+/-0.018 χ^2/NDF : 3821269.2/50

All: 138.709+/-0.013 χ^2/NDF : 8122586.9/103

- sign 138.441+/-0.018 χ^2/NDF : 4300889.4/52

asym_bpm0l01WS_mean vs Slug



Right In: 37.952 ± 61.959 χ^2/NDF : 6420.4/25

Left Out: 692.998 ± 54.303 χ^2/NDF : 1422.0/24

Right Out: 491.890 ± 60.079 χ^2/NDF : 7774.5/29

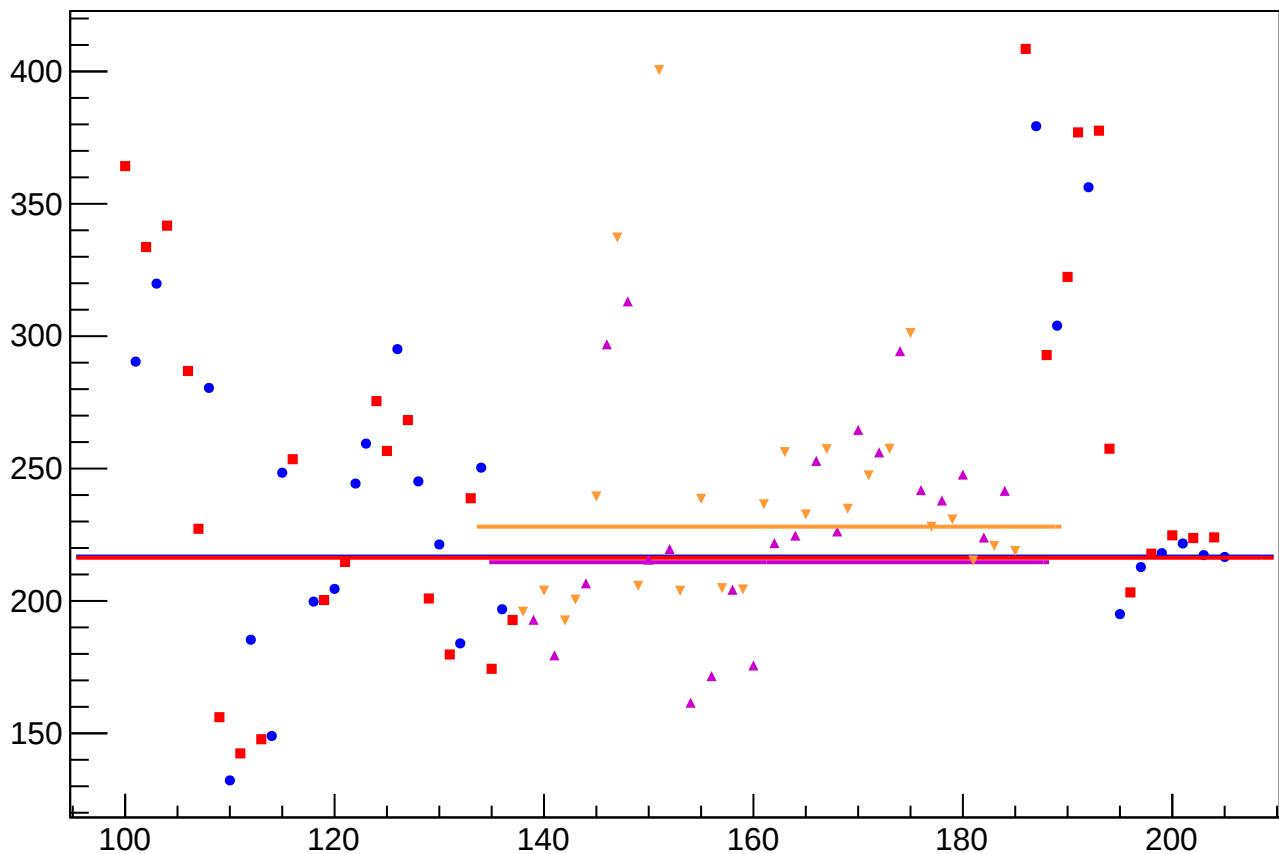
Left In: -349.623 ± 53.094 χ^2/NDF : 981.0/22

+ sign 408.424 ± 40.838 χ^2/NDF : 7905.7/50

All: 208.824 ± 28.497 χ^2/NDF : 16817.9/103

- sign 19.394 ± 39.784 χ^2/NDF : 8865.6/52

asym_bpm0l01WS_rms vs Slug



Right In: 216.769 $\pm$ 0.044 χ^2 /NDF: 1149777.2/25

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

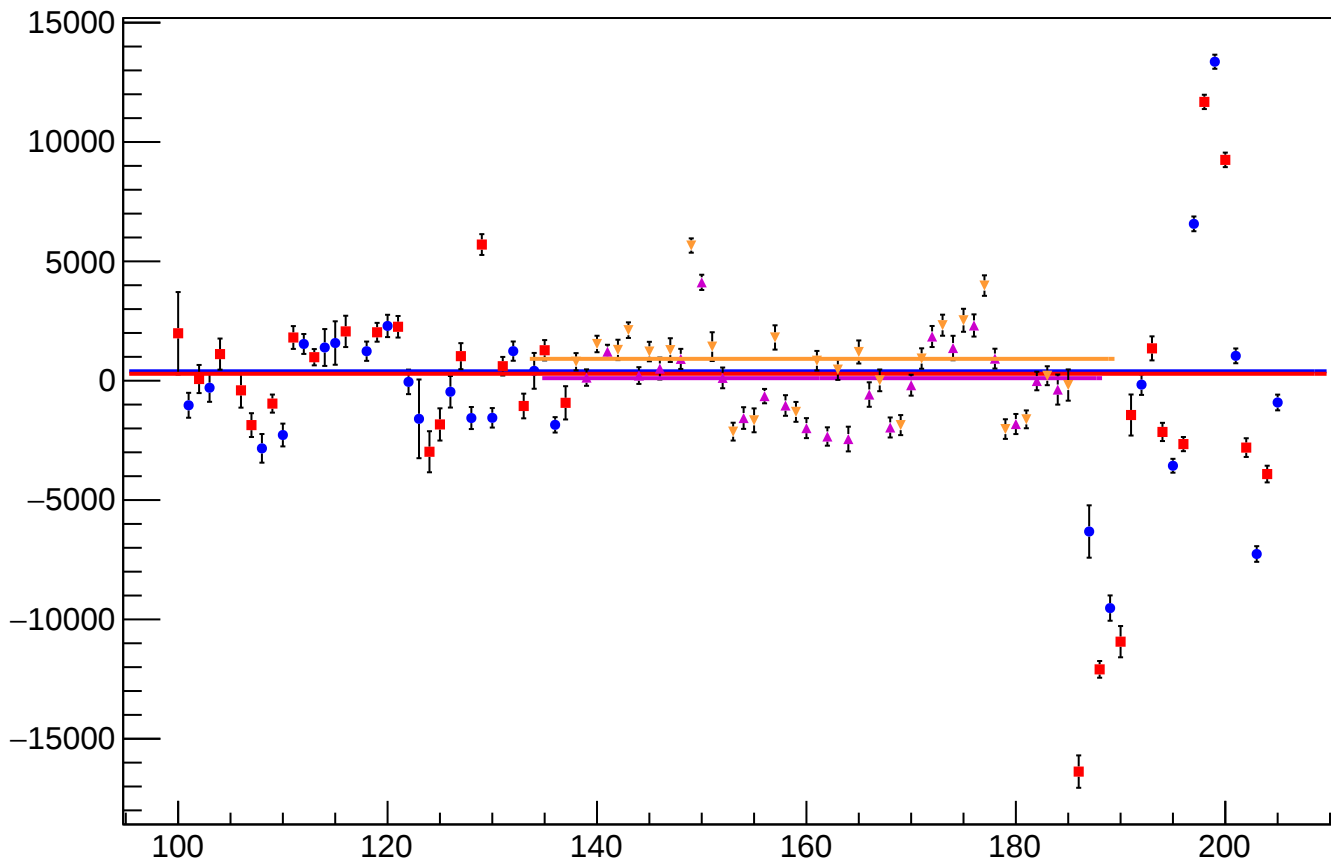
Left In: 214.627 $\pm$ 0.038 χ^2 /NDF: 1025683.3/22

+ sign 223.155 $\pm$ 0.029 χ^2 /NDF: 2013692.1/50

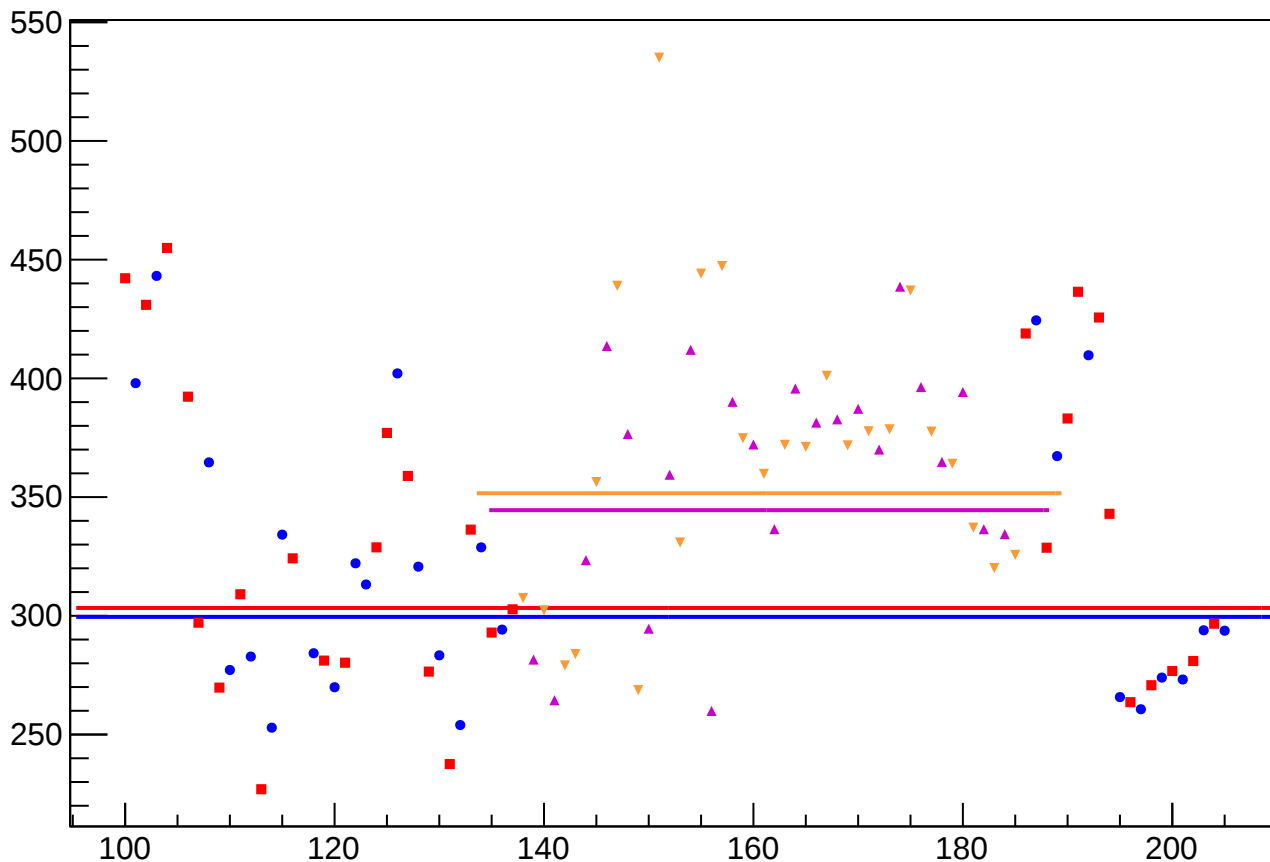
All: 219.161 $\pm$ 0.020 χ^2 /NDF: 4898250.6/103

- sign 215.370 $\pm$ 0.028 χ^2 /NDF: 2847267.5/52

asym_bpm0l02WS_mean vs Slug



asym_bpm0l02WS_rms vs Slug



Right In: 299.547+/-0.060 χ^2/NDF : 608887.5/25

Left Out: 351.633+/-0.059 χ^2/NDF : 907849.3/24

Right Out: 303.314+/-0.058 χ^2/NDF : 862918.1/29

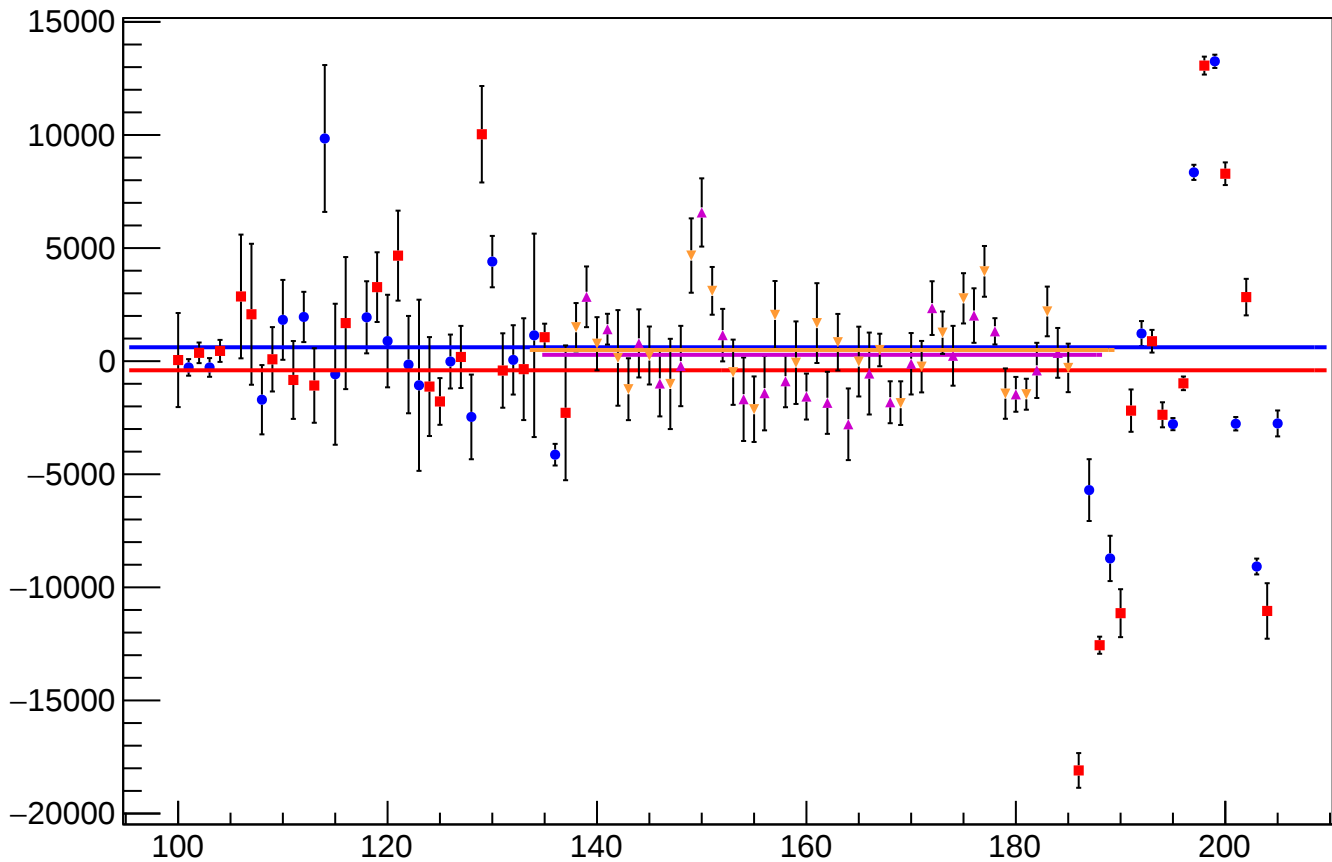
Left In: 344.491+/-0.060 χ^2/NDF : 768885.4/22

+ sign 325.927+/-0.042 χ^2/NDF : 1901747.5/50

All: 324.638+/-0.030 χ^2/NDF : 3779663.4/103

- sign 323.368+/-0.042 χ^2/NDF : 1876043.1/52

asym_bpm0l03WS_mean vs Slug



Right In: 614.834 ± 108.926 $\chi^2/\text{NDF}: 3719.2/25$

Left Out: 495.014 ± 231.058 $\chi^2/\text{NDF}: 56.2/24$

Right Out: -403.268 ± 130.870 $\chi^2/\text{NDF}: 3293.9/29$

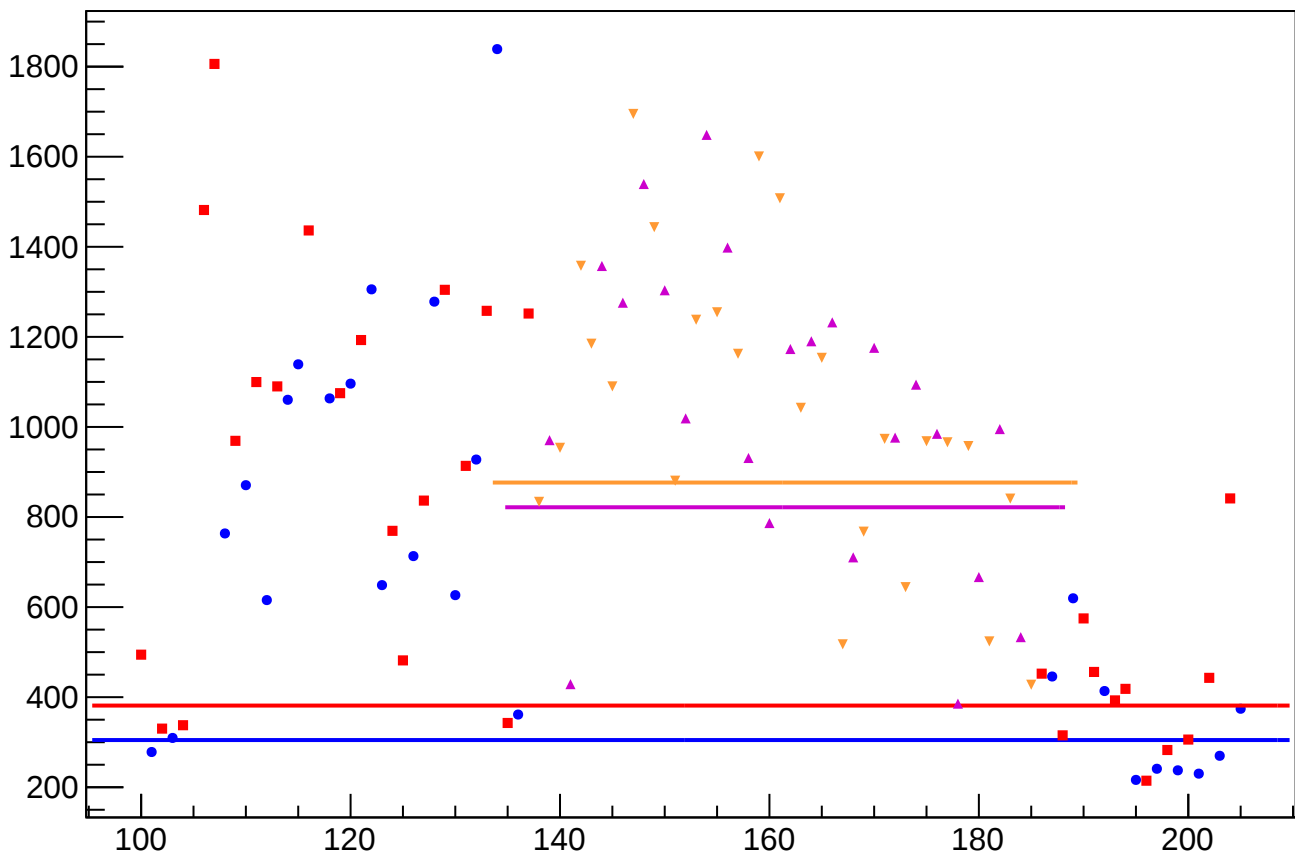
Left In: 280.692 ± 232.048 $\chi^2/\text{NDF}: 57.2/22$

+ sign 593.048 ± 98.527 $\chi^2/\text{NDF}: 3775.7/50$

All: 237.585 ± 74.541 $\chi^2/\text{NDF}: 7163.8/103$

- sign -238.217 ± 113.991 $\chi^2/\text{NDF}: 3357.7/52$

asym_bpm0l03WS_rms vs Slug



Right In: 304.797 $\pm$ 0.077 χ^2 /NDF: 4398257.6/25

Left Out: 876.560 $\pm$ 0.163 χ^2 /NDF:3434698.7/24

Right Out: 381.356 $\pm$ 0.093 χ^2 /NDF: 5457544.4/29

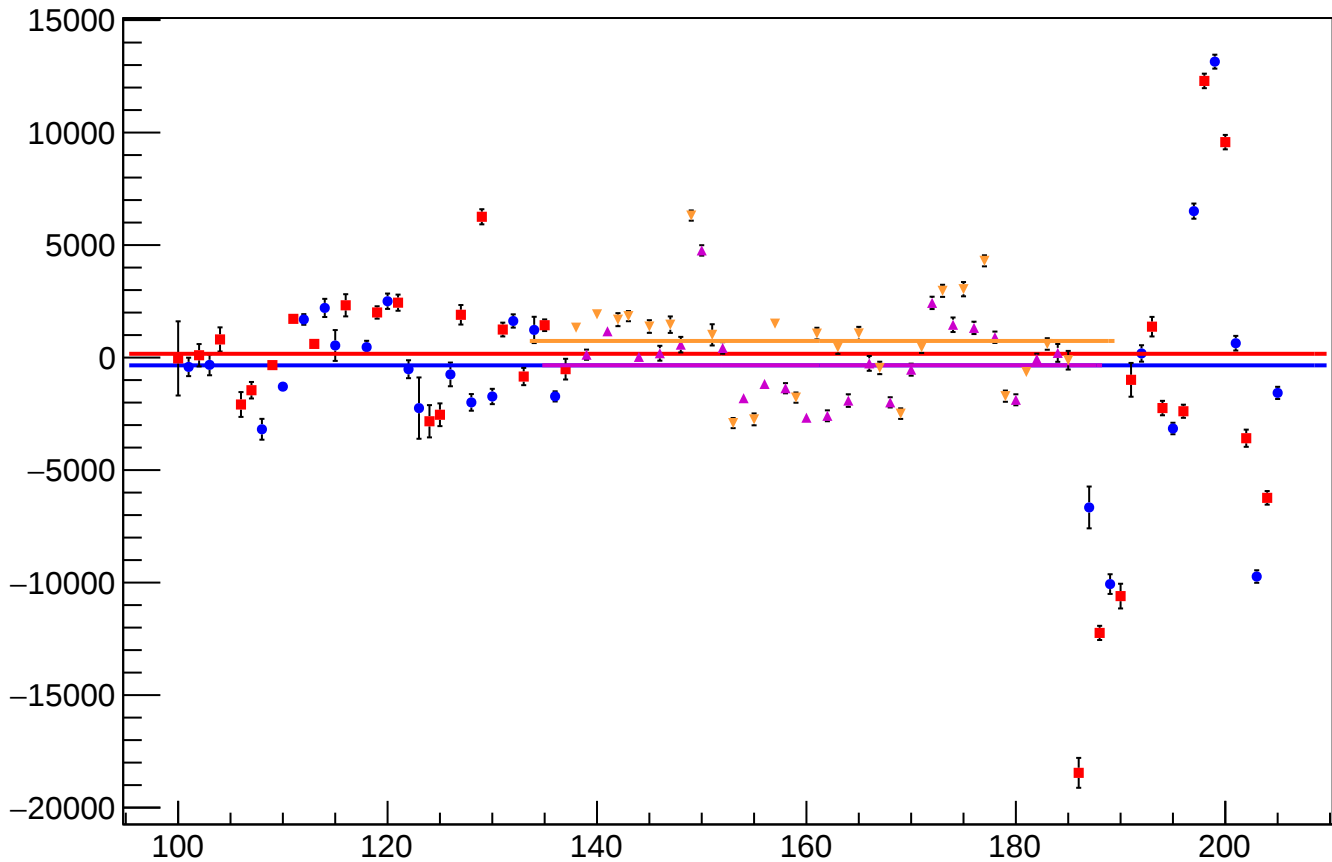
Left In: 821.657 $\pm$ 0.164 χ^2 /NDF:4443094.2/22

+ sign 408.761 $\pm$ 0.070 χ^2 /NDF: 17852850.6/50

All: 442.477 $\pm$ 0.053 χ^2 /NDF: 33764274.3/10

- sign 487.607 $\pm$ 0.081 χ^2 /NDF: 15363721.4/52

asym_bpm0l04WS_mean vs Slug



Right In: -345.784 ± 65.784 χ^2/NDF : 4512.0/25

Left Out: 738.847 ± 51.649 χ^2/NDF : 1935.2/24

Right Out: 168.175 ± 62.197 χ^2/NDF : 6323.6/29

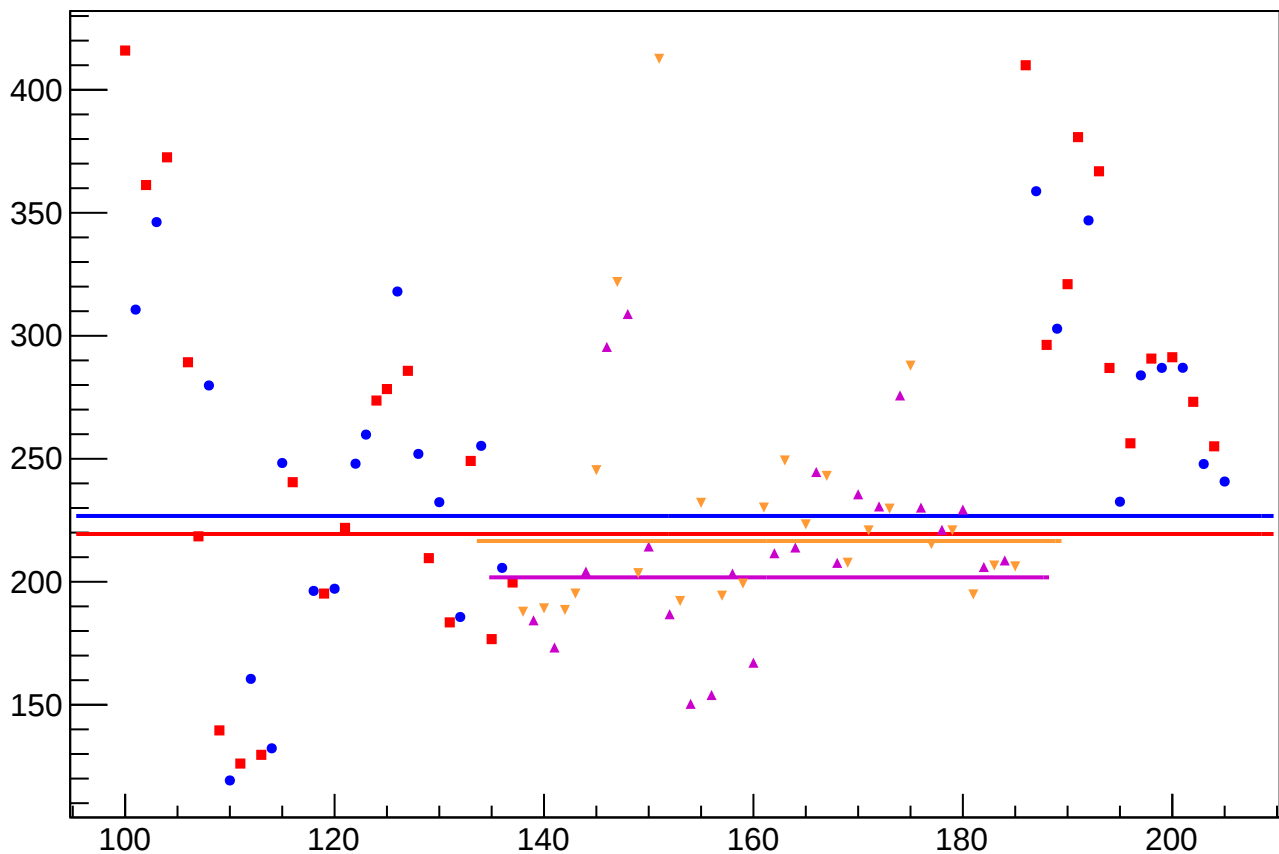
Left In: -342.465 ± 50.044 χ^2/NDF : 1254.9/22

+ sign 325.223 ± 40.624 χ^2/NDF : 6615.4/50

All: 82.134 ± 28.130 χ^2/NDF : 14303.6/103

- sign -141.793 ± 38.990 χ^2/NDF : 7619.4/52

asym_bpm0l04WS_rms vs Slug



Right In: 226.761 $\pm$ 0.047 χ^2 /NDF: 1774844.3/25

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

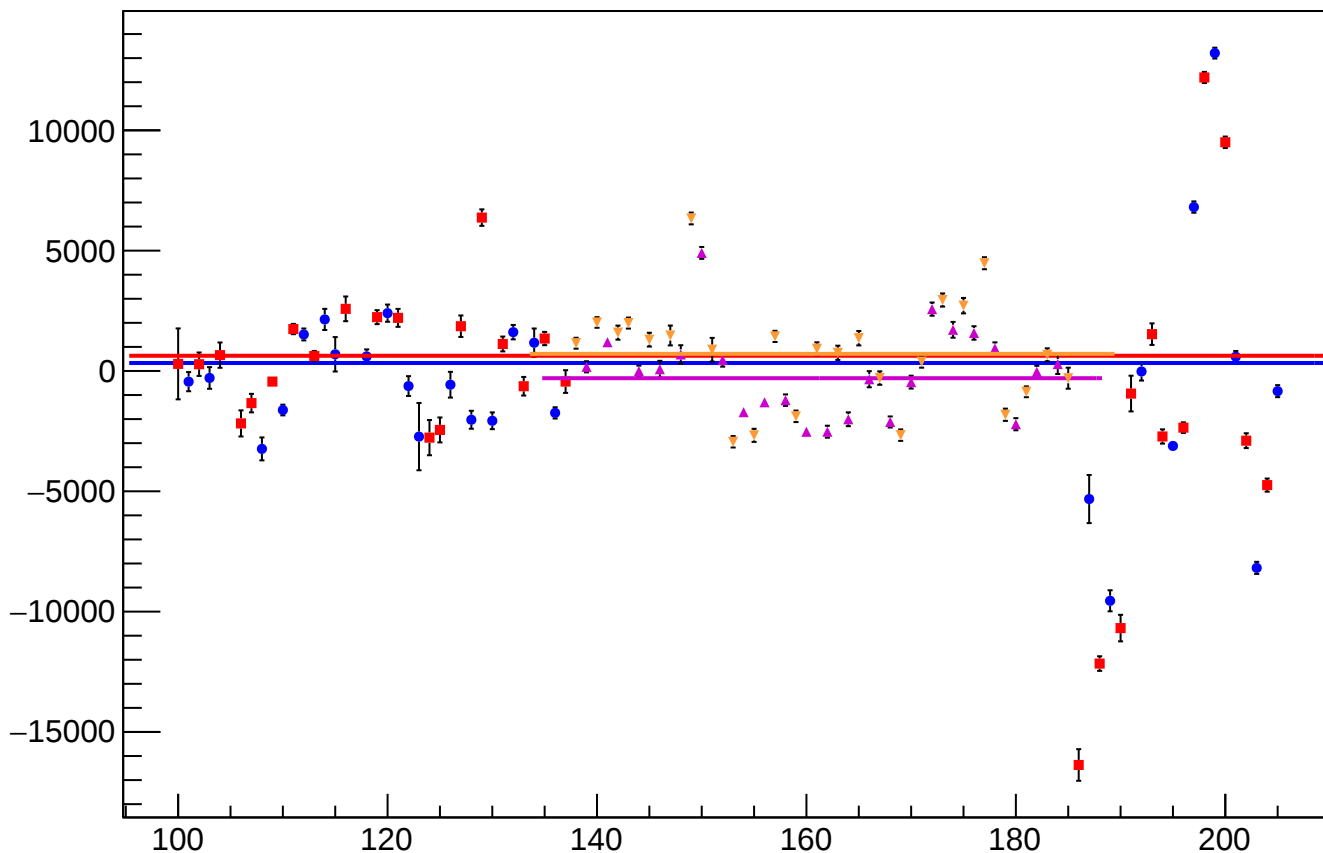
Left In: 201.805 $\pm$ 0.035 χ^2 /NDF: 1087243.4/22

+ sign 220.459 $\pm$ 0.029 χ^2 /NDF: 2690729.5/50

All: 214.355 $\pm$ 0.020 χ^2 /NDF: 6794487.1/103

- sign 208.732 $\pm$ 0.028 χ^2 /NDF: 4017015.1/52

asym_bpm0l05WS_mean vs Slug



Right In: 332.167 ± 62.094 χ^2/NDF : 6404.4/25

Left Out: 711.174 ± 53.245 χ^2/NDF : 1835.3/24

Right Out: 631.822 ± 59.979 χ^2/NDF : 8122.4/29

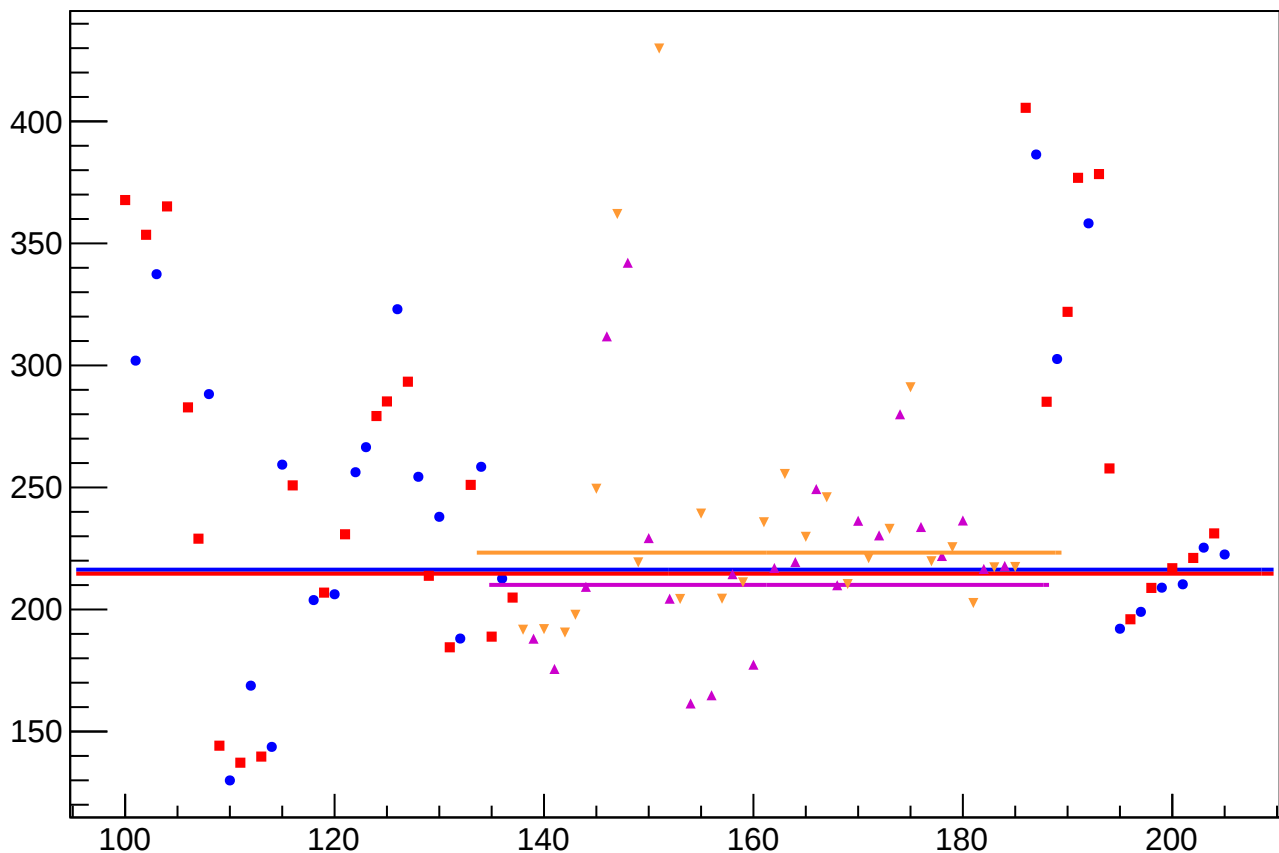
Left In: -300.516 ± 51.984 χ^2/NDF : 1208.6/22

+ sign 550.579 ± 40.420 χ^2/NDF : 8261.2/50

All: 318.563 ± 28.170 χ^2/NDF : 17794.3/103

- sign 99.414 ± 39.283 χ^2/NDF : 9469.0/52

asym_bpm0l05WS_rms vs Slug



Right In: 216.316+/-0.044 χ^2/NDF : 1345399.9/25

Left Out: 223.296+/-0.038 χ^2/NDF : 922768.4/24

Right Out: 214.665+/-0.042 χ^2/NDF : 2093515.9/29

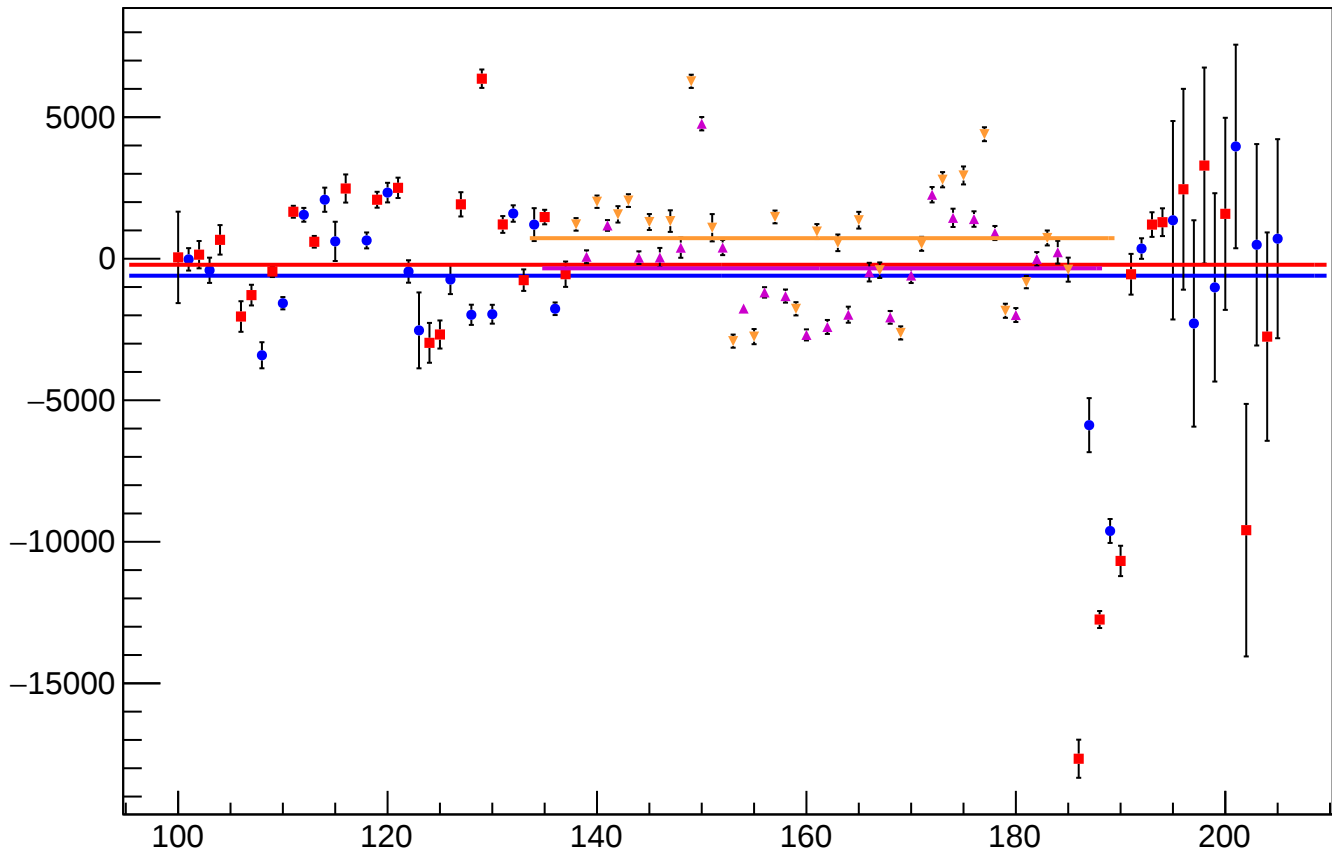
Left In: 210.080+/-0.037 χ^2/NDF : 1015274.5/22

+ sign 220.338+/-0.029 χ^2/NDF : 2282735.2/50

All: 216.074+/-0.020 χ^2/NDF : 5441481.6/103

- sign 212.047+/-0.028 χ^2/NDF : 3115465.8/52

asym_bpm0l06WS_mean vs Slug



Right In: -600.021 ± 79.079 $\chi^2/\text{NDF}: 894.0/25$

Left Out: 725.866 ± 52.158 $\chi^2/\text{NDF}: 1912.7/24$

Right Out: -213.470 ± 69.996 $\chi^2/\text{NDF}: 3638.4/29$

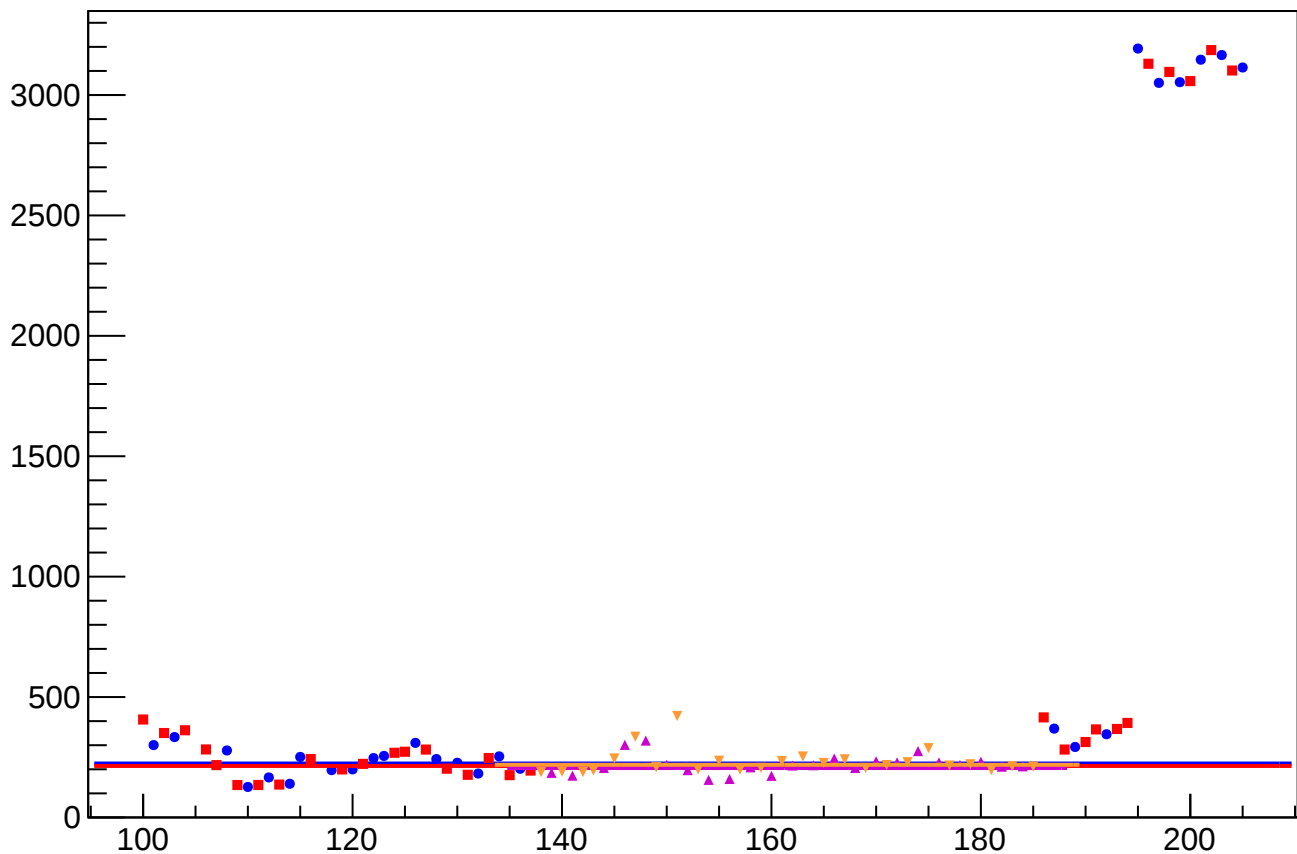
Left In: -340.502 ± 50.802 $\chi^2/\text{NDF}: 1201.8/22$

+ sign 323.920 ± 43.540 $\chi^2/\text{NDF}: 3002.6/50$

All: -4.145 ± 29.893 $\chi^2/\text{NDF}: 7952.4/103$

- sign -296.673 ± 41.115 $\chi^2/\text{NDF}: 4842.4/52$

asym_bpm0l06WS_rms vs Slug



Right In: 223.956+/-0.056 χ^2/NDF : 9426453.0/25

Left Out: 218.768+/-0.037 χ^2/NDF : 896914.5/24

Right Out: 213.874+/-0.049 χ^2/NDF : 8691823.8/29

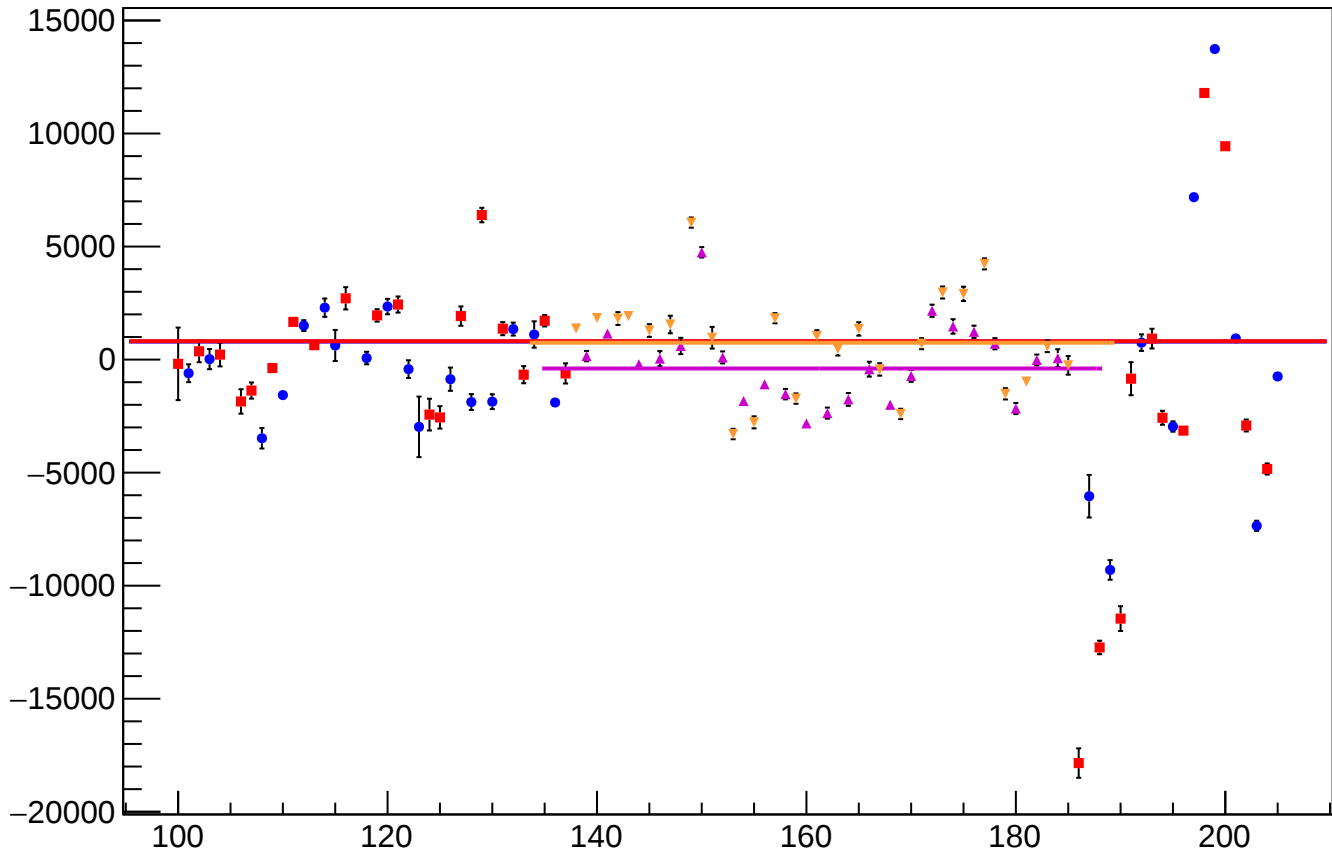
Left In: 205.249+/-0.036 χ^2/NDF : 997168.8/22

+ sign 220.341+/-0.031 χ^2/NDF : 10329365.4/50

All: 213.936+/-0.021 χ^2/NDF : 20120120.0/10

- sign 208.225+/-0.029 χ^2/NDF : 9708883.8/52

asym_bpm0l07WS_mean vs Slug



Right In: 798.316 ± 58.093 χ^2/NDF : 8271.2/25

Left Out: 746.405 ± 51.592 χ^2/NDF : 1942.1/24

Right Out: 813.335 ± 56.134 χ^2/NDF : 9832.2/29

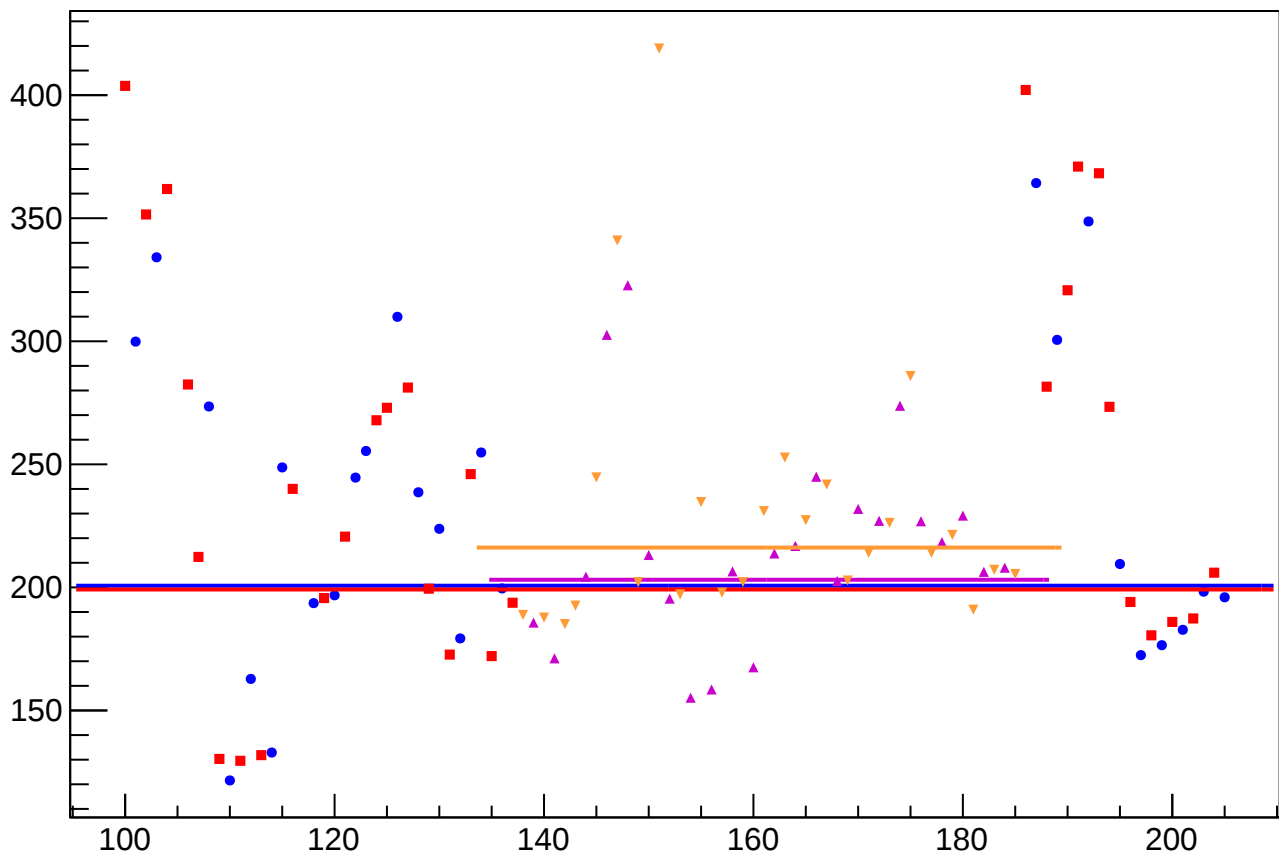
Left In: -394.379 ± 50.311 χ^2/NDF : 1236.4/22

+ sign 769.294 ± 38.575 χ^2/NDF : 10213.7/50

All: 447.323 ± 26.876 χ^2/NDF : 21674.4/103

- sign 143.616 ± 37.465 χ^2/NDF : 11325.3/52

asym_bpm0l07WS_rms vs Slug



Right In: 200.685+/-0.041 χ^2/NDF : 1519601.2/25

Left Out: 216.178+/-0.036 χ^2/NDF : 946050.8/24

Right Out: 199.145+/-0.040 χ^2/NDF : 2438205.3/29

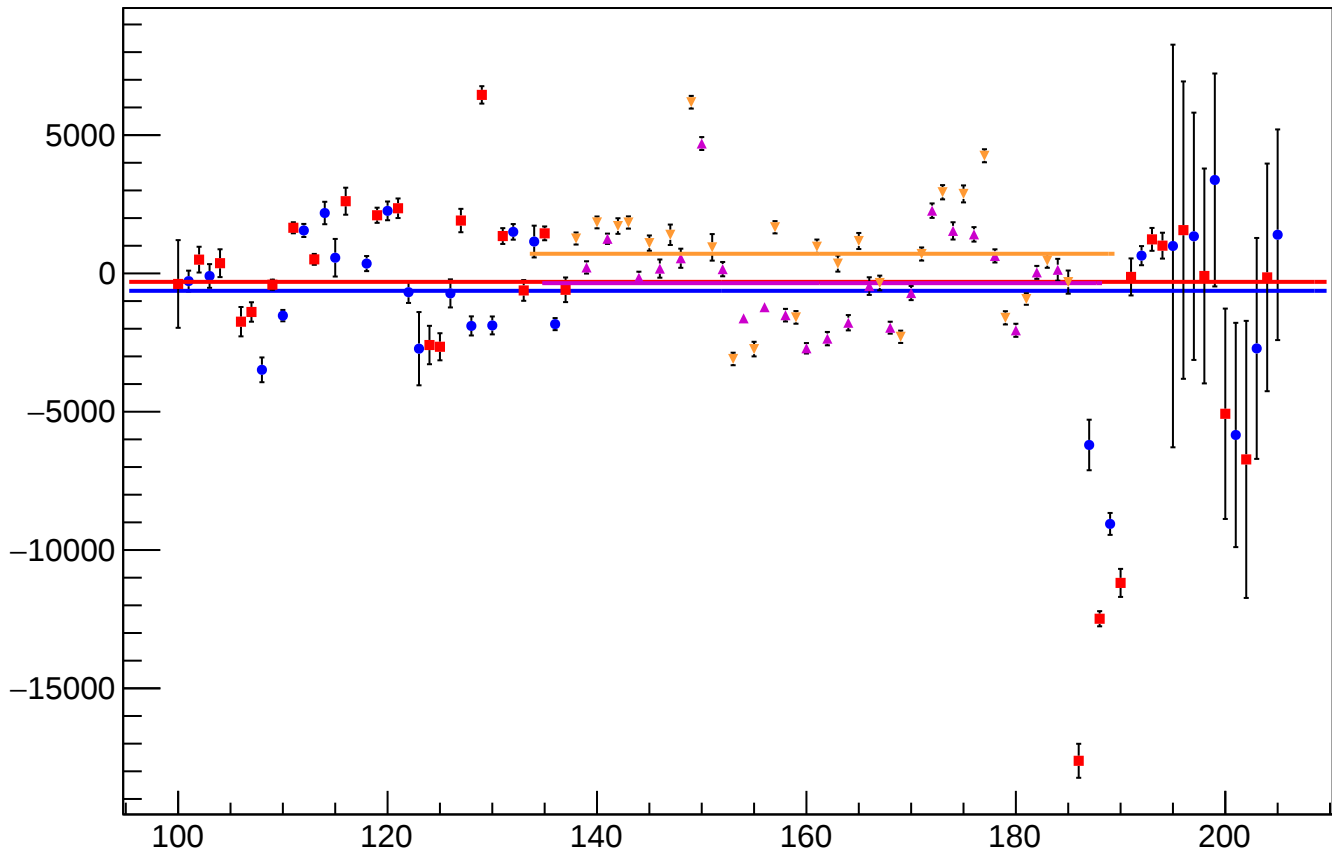
Left In: 203.101+/-0.036 χ^2/NDF : 1038013.0/22

+ sign 209.346+/-0.027 χ^2/NDF : 2545180.7/50

All: 205.226+/-0.019 χ^2/NDF : 6071253.8/103

- sign 201.339+/-0.026 χ^2/NDF : 3481724.9/52

asym_bpm0l08WS_mean vs Slug



Right In: -629.360 ± 76.446 χ^2/NDF : 918.2/25

Left Out: 710.238 ± 50.750 χ^2/NDF : 1932.3/24

Right Out: -305.005 ± 67.132 χ^2/NDF : 4164.5/29

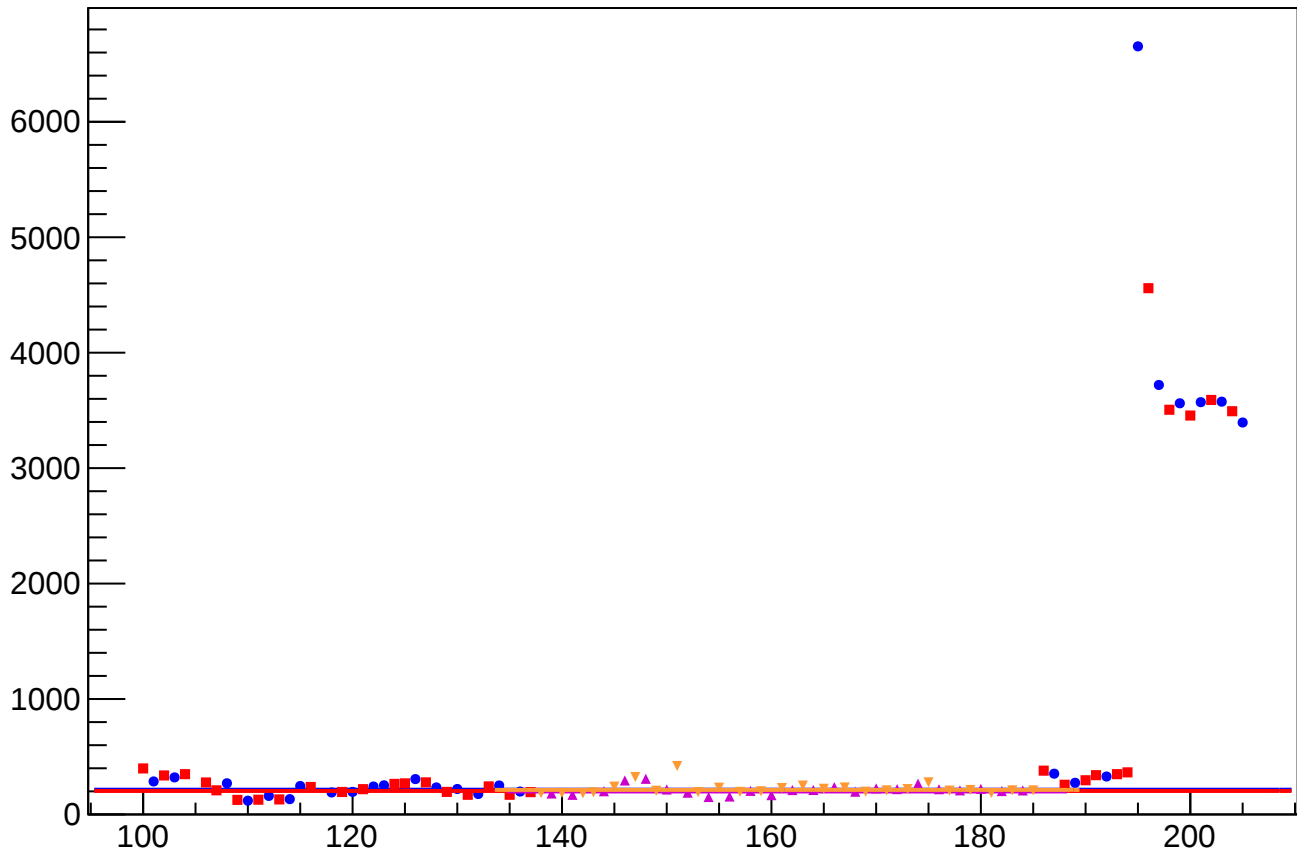
Left In: -352.432 ± 49.316 χ^2/NDF : 1233.1/22

+ sign 300.448 ± 42.281 χ^2/NDF : 3063.6/50

All: -37.340 ± 28.959 χ^2/NDF : 8581.8/103

- sign -335.809 ± 39.744 χ^2/NDF : 5397.9/52

asym_bpm0l08WS_rms vs Slug



Right In: 214.367 $\pm$ 0.054 χ^2 /NDF: 9803965.3/25

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

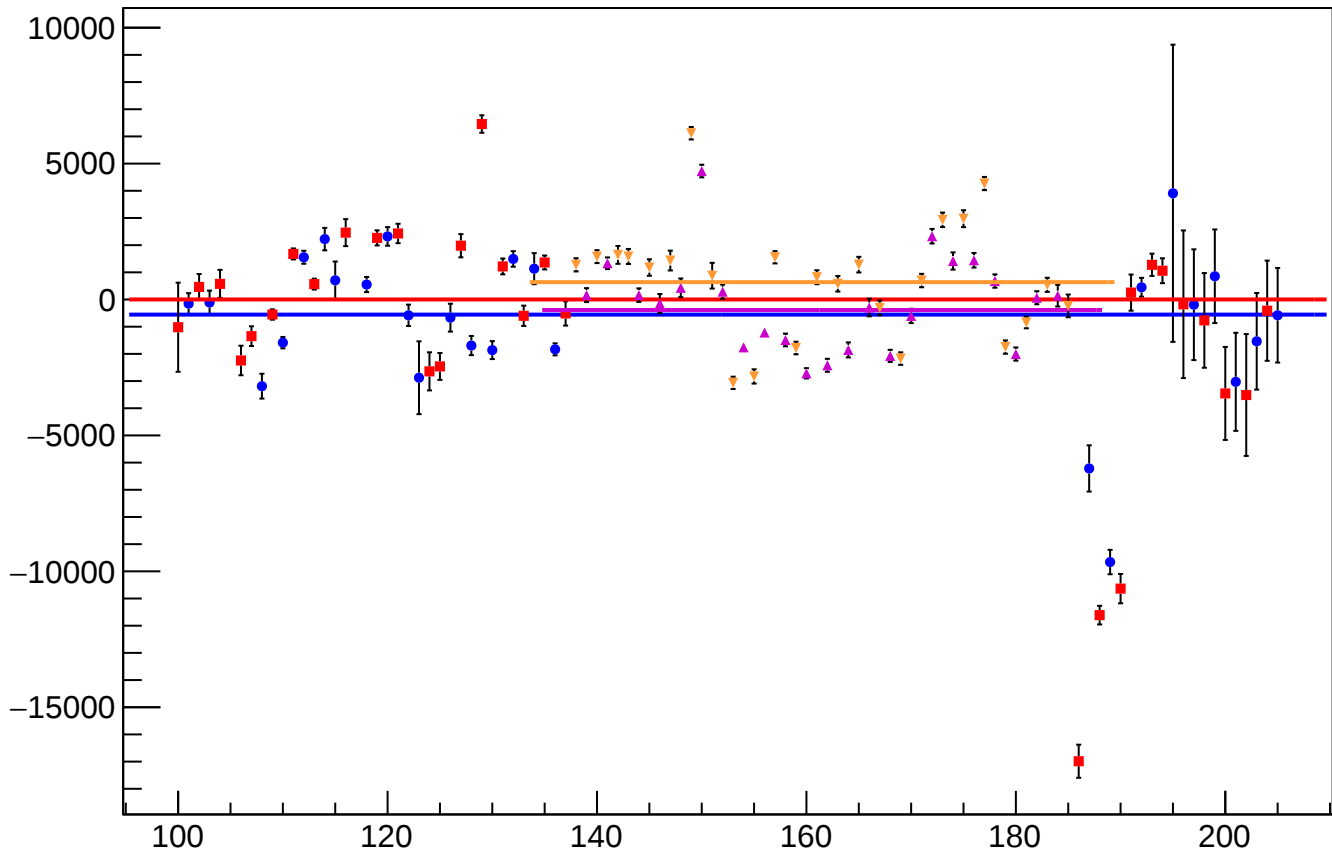
Left In: 199.142 $\pm$ 0.035 χ^2 /NDF: 985932.4/22

+ sign 213.223 $\pm$ 0.030 χ^2 /NDF: 10720837.0/50

All: 206.586 $\pm$ 0.020 χ^2 /NDF: 20635244.5/10

- sign 200.723 $\pm$ 0.028 χ^2 /NDF: 9821600.6/52

asym_bpm0l09WS_mean vs Slug



Right In: -555.589 ± 77.507 χ^2/NDF : 862.5/25

Left Out: 639.995 ± 52.708 χ^2/NDF : 1859.2/24

Right Out: 1.797 ± 68.894 χ^2/NDF : 3102.7/29

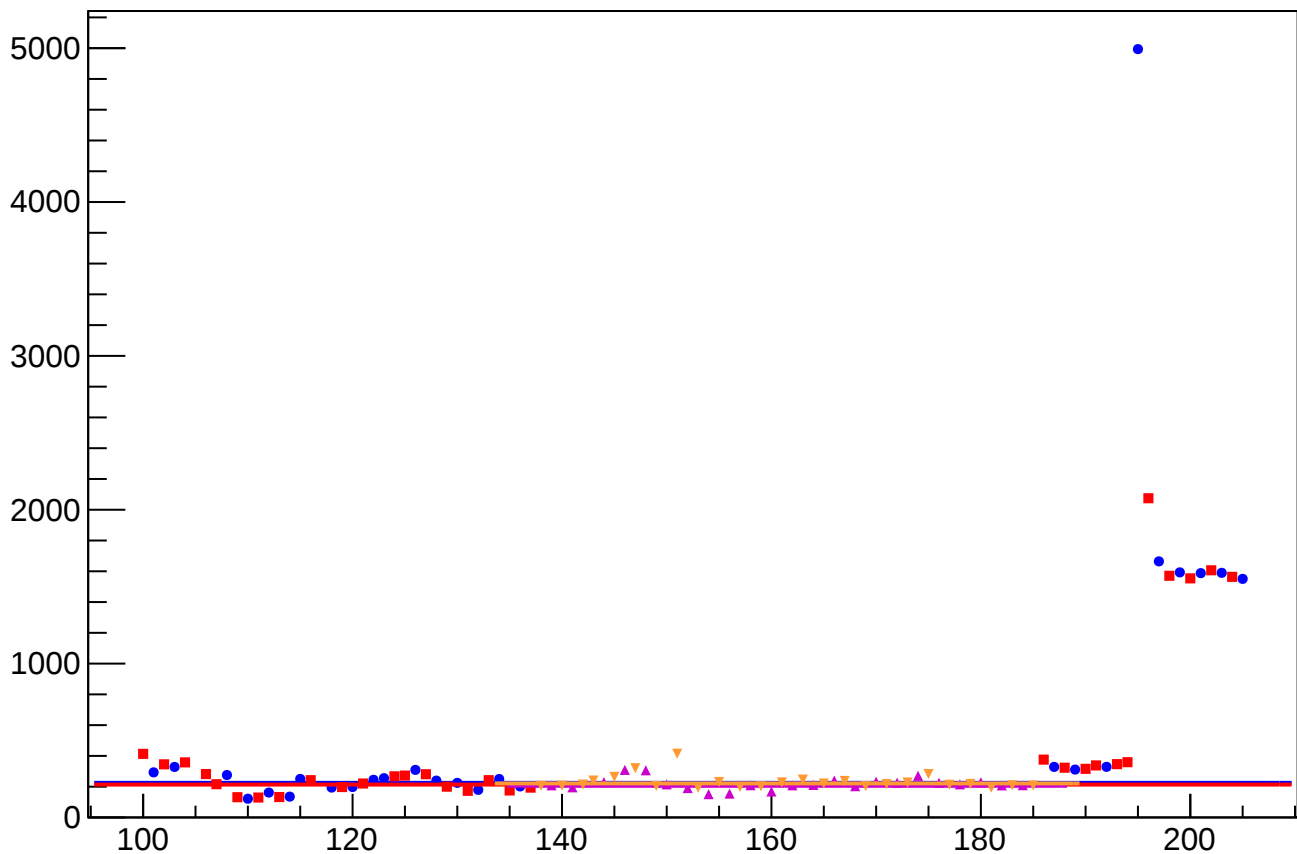
Left In: -386.248 ± 50.994 χ^2/NDF : 1238.0/22

+ sign 261.924 ± 43.585 χ^2/NDF : 2884.5/50

All: -9.164 ± 29.859 χ^2/NDF : 7318.6/103

- sign -248.900 ± 40.987 χ^2/NDF : 4361.3/52

asym_bpm0l09WS_rms vs Slug



Right In: 224.875+/-0.055 χ^2/NDF : 8649760.8/25

Left Out: 221.398+/-0.037 χ^2/NDF : 777833.8/24

Right Out: 213.748+/-0.049 χ^2/NDF : 7750096.0/29

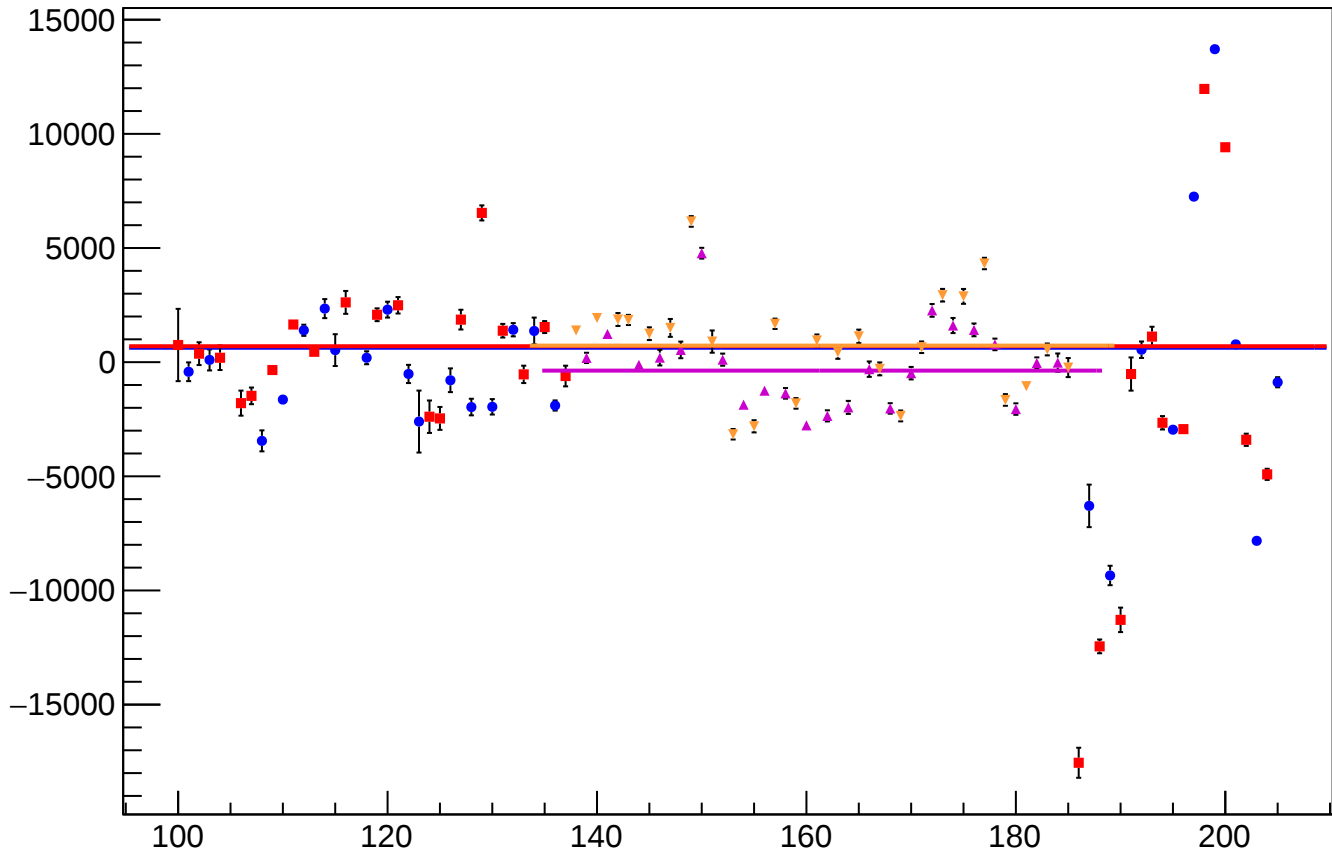
Left In: 205.803+/-0.036 χ^2/NDF : 994903.5/22

+ sign 222.498+/-0.031 χ^2/NDF : 9430347.3/50

All: 215.130+/-0.021 χ^2/NDF : 18300205.9/10

- sign 208.615+/-0.029 χ^2/NDF : 8762180.9/52

asym_bpm0l10WS_mean vs Slug



Right In: 632.060 ± 58.692 χ^2/NDF : 8282.7/25

Left Out: 725.250 ± 52.307 χ^2/NDF : 1883.1/24

Right Out: 697.733 ± 57.044 χ^2/NDF : 9513.9/29

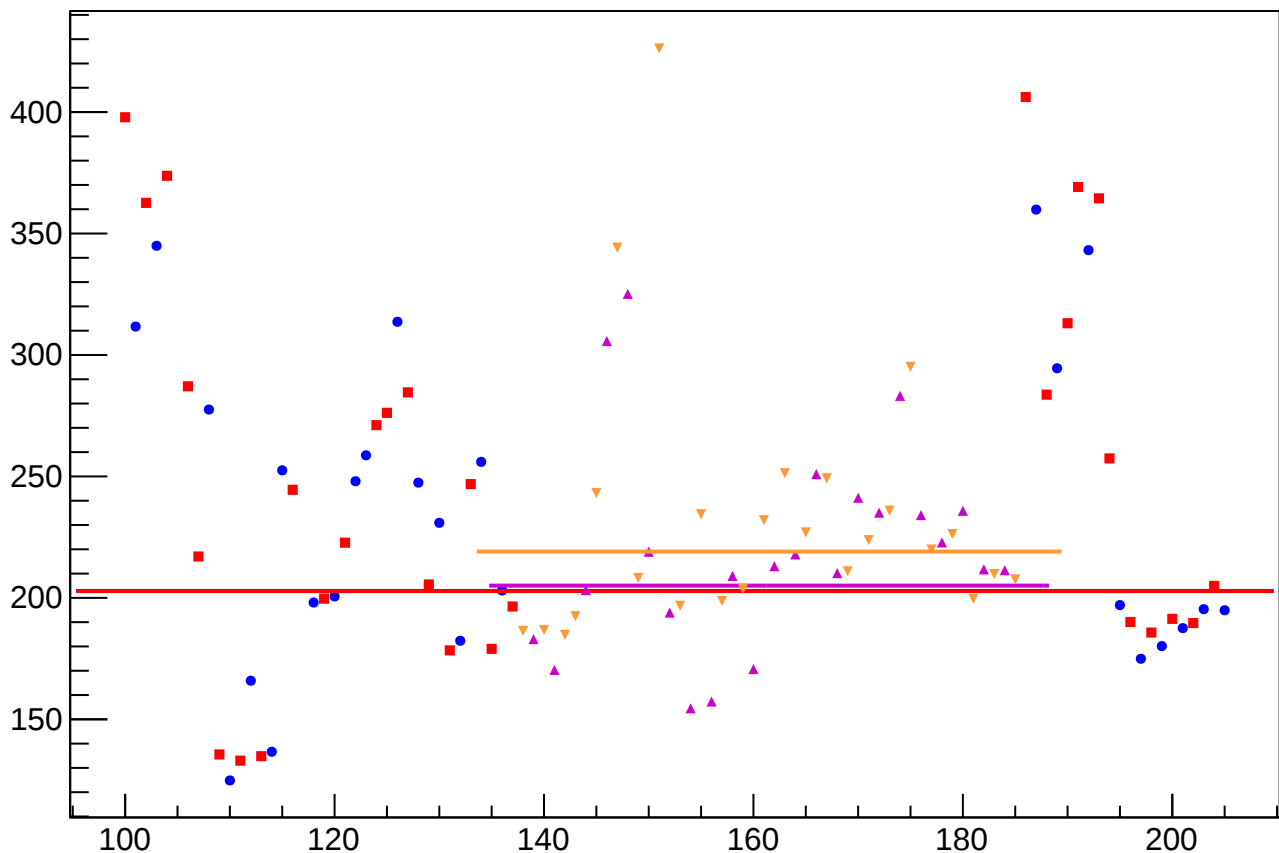
Left In: -370.408 ± 50.884 χ^2/NDF : 1223.2/22

+ sign 683.998 ± 39.050 χ^2/NDF : 10167.3/50

All: 385.323 ± 27.223 χ^2/NDF : 21213.4/103

- sign 102.902 ± 37.972 χ^2/NDF : 10932.4/52

asym_bpm0l10WS_rms vs Slug



Right In: 202.852+/-0.042 χ^2/NDF : 1475018.3/25

Left Out: 219.049+/-0.037 χ^2/NDF : 975564.4/24

Right Out: 202.809+/-0.040 χ^2/NDF : 2287124.4/29

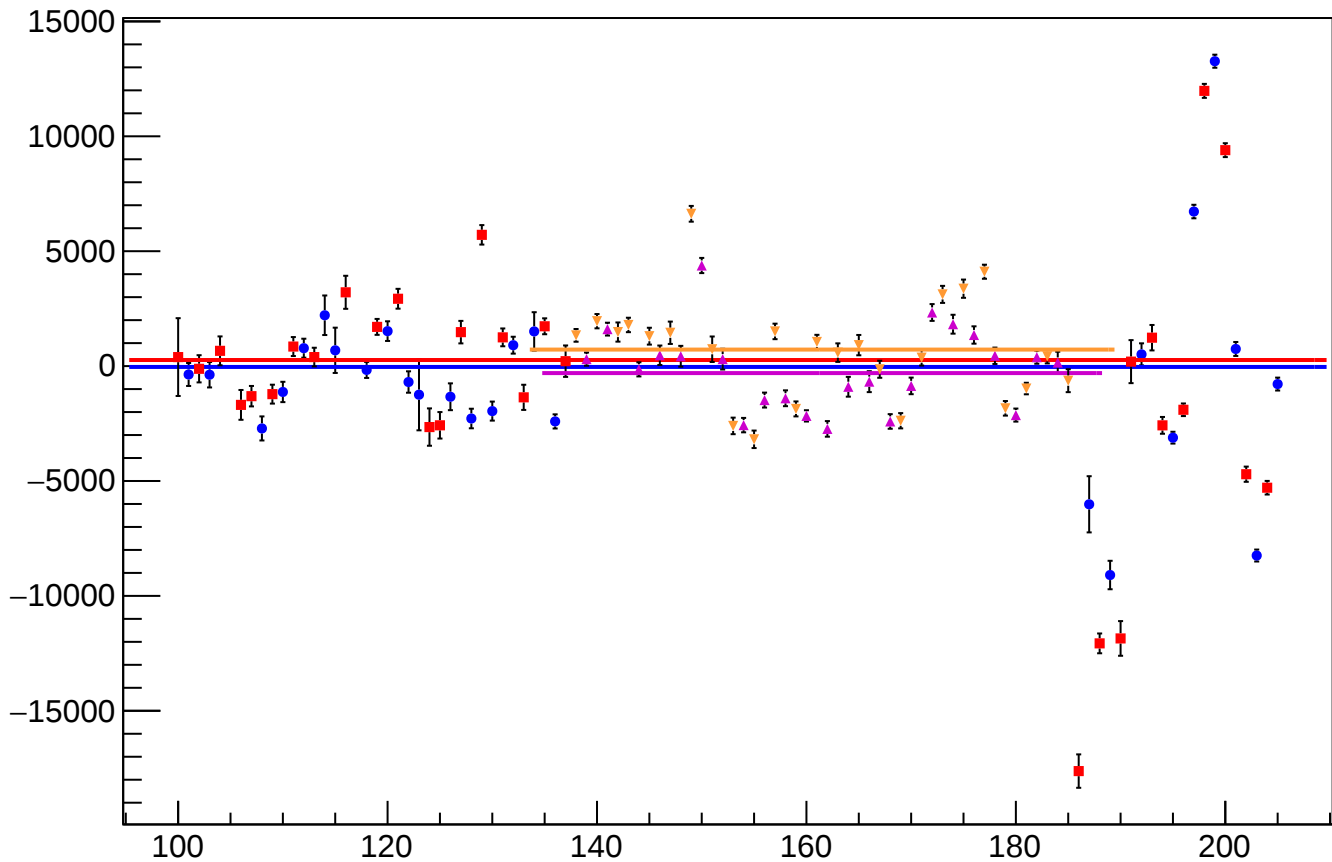
Left In: 205.046+/-0.036 χ^2/NDF : 1144197.1/22

+ sign 211.879+/-0.028 χ^2/NDF : 2535469.9/50

All: 207.858+/-0.019 χ^2/NDF : 6009767.5/103

- sign 204.055+/-0.027 χ^2/NDF : 3433034.5/52

asym_bpm0r03WS_mean vs Slug



Right In: -36.874 ± 78.666 χ^2/NDF : 4289.3/25

Left Out: 718.705 ± 69.601 χ^2/NDF : 1018.5/24

Right Out: 264.605 ± 79.596 χ^2/NDF : 5131.0/29

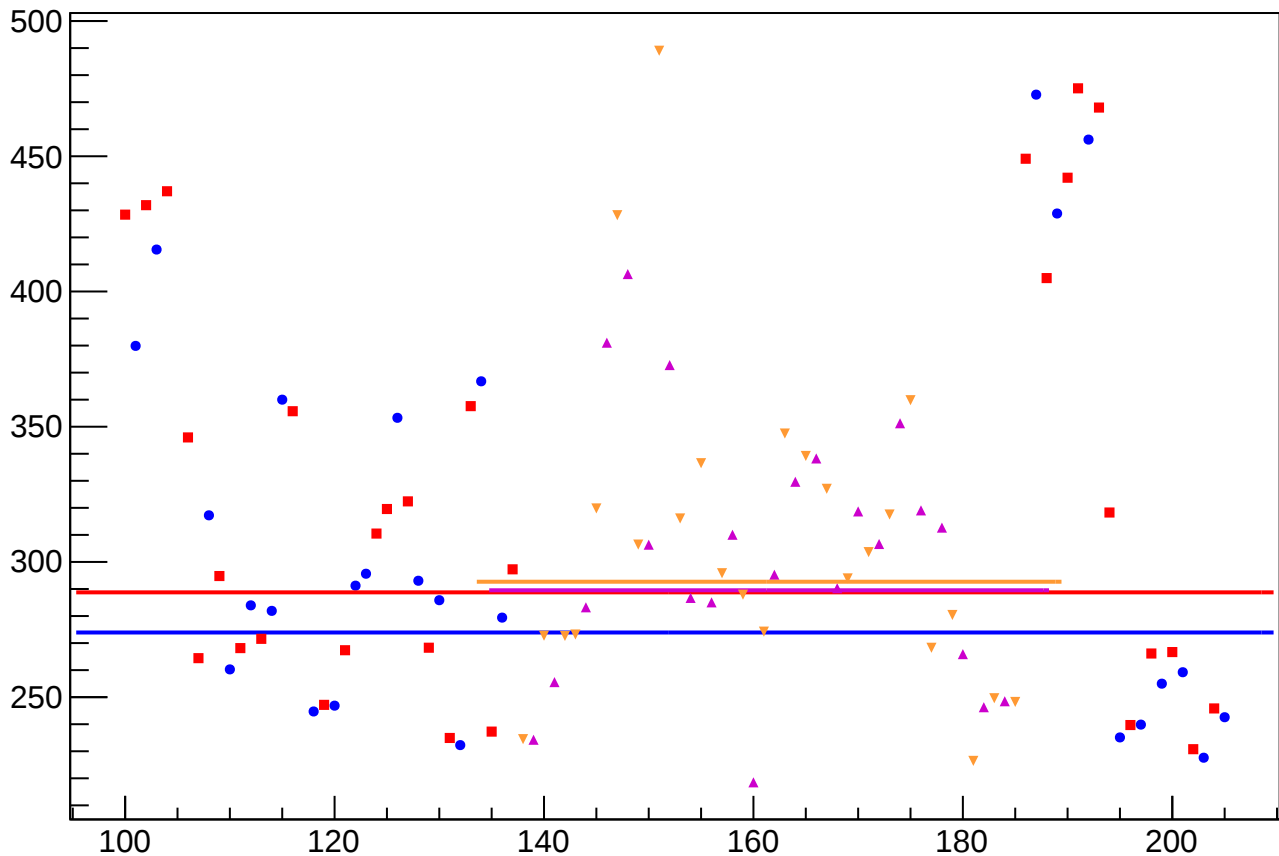
Left In: -304.161 ± 70.958 χ^2/NDF : 643.5/22

+ sign 386.943 ± 52.127 χ^2/NDF : 5359.6/50

All: 170.827 ± 37.153 χ^2/NDF : 11197.5/103

- sign -52.305 ± 52.966 χ^2/NDF : 5802.9/52

asym_bpm0r03WS_rms vs Slug



Right In: 273.914 $\pm$ 0.056 χ^2 /NDF: 1012492.9/25

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

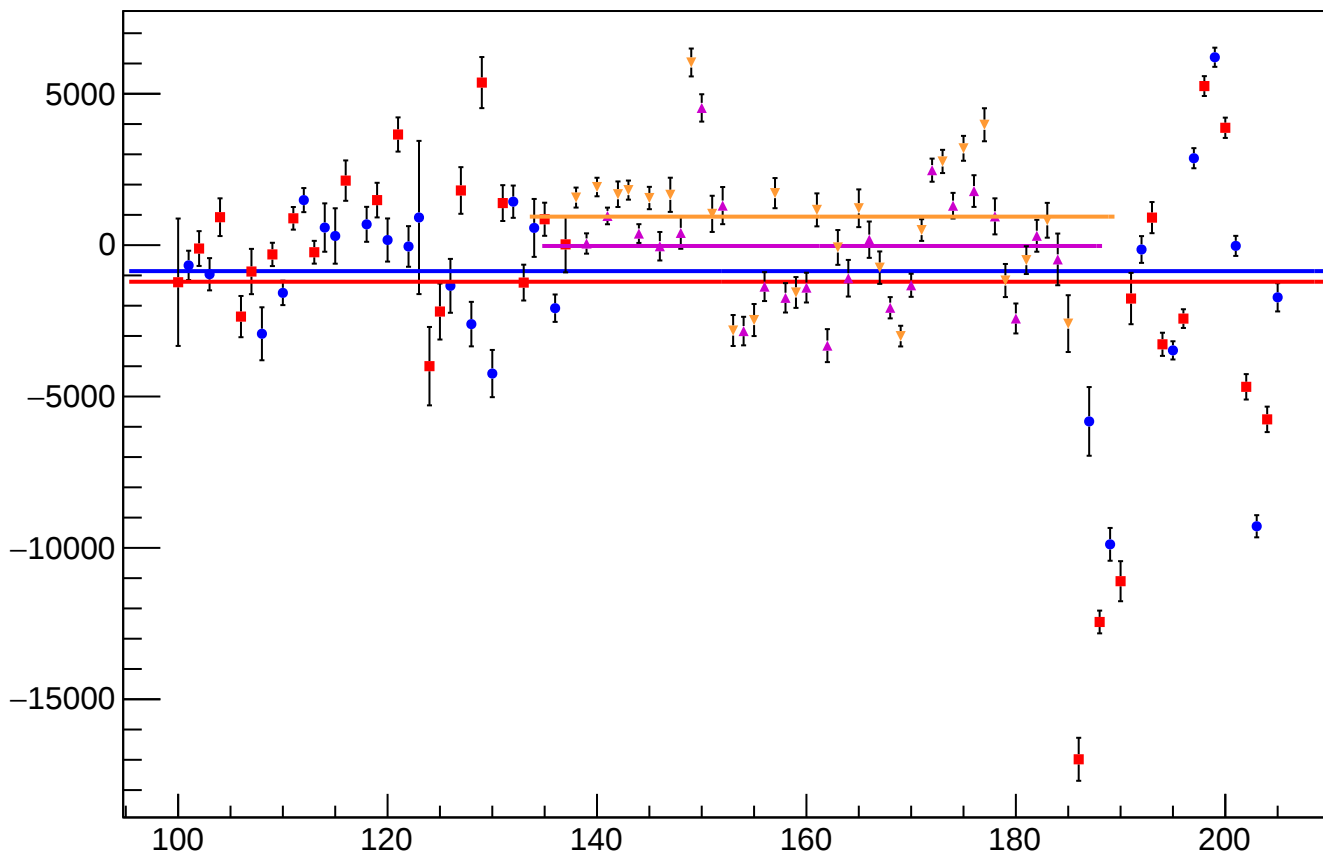
Left In: 289.522 $\pm$ 0.050 χ^2 /NDF: 777901.0/22

+ sign 284.443 $\pm$ 0.037 χ^2 /NDF: 2001566.7/50

All: 286.775 $\pm$ 0.026 χ^2 /NDF: 4063762.3/103

- sign 289.182 $\pm$ 0.037 χ^2 /NDF: 2054064.3/52

asym_bpm0r05WS_mean vs Slug



Right In: -857.984 ± 96.908 $\chi^2/\text{NDF}: 1650.7/25$

Left Out: 941.598 ± 89.119 $\chi^2/\text{NDF}: 544.6/24$

Right Out: -1208.826 ± 92.214 $\chi^2/\text{NDF}: 2777.8/29$

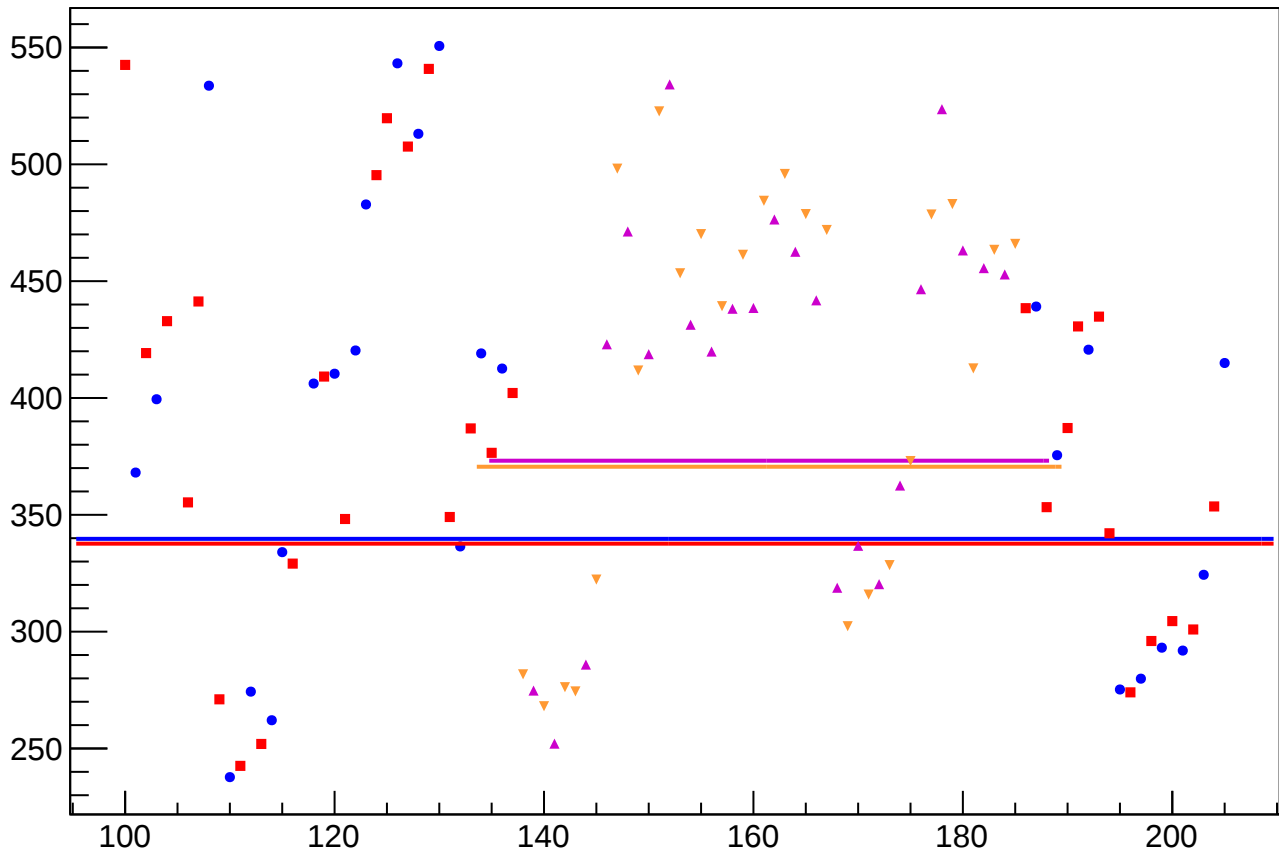
Left In: -27.763 ± 92.331 $\chi^2/\text{NDF}: 362.5/22$

+ sign 117.022 ± 65.598 $\chi^2/\text{NDF}: 2382.1/50$

All: -252.987 ± 46.260 $\chi^2/\text{NDF}: 5667.7/103$

- sign -619.045 ± 65.246 $\chi^2/\text{NDF}: 3222.3/52$

asym_bpm0r05WS_rms vs Slug



Right In: 339.718 $\pm$ 0.069 χ^2 /NDF: 1228908.2/25

Left Out: 370.580 $\pm$ 0.063 χ^2 /NDF:1878118.9/24

Right Out: 337.657 $\pm$ 0.065 χ^2 /NDF: 1131380.7/29

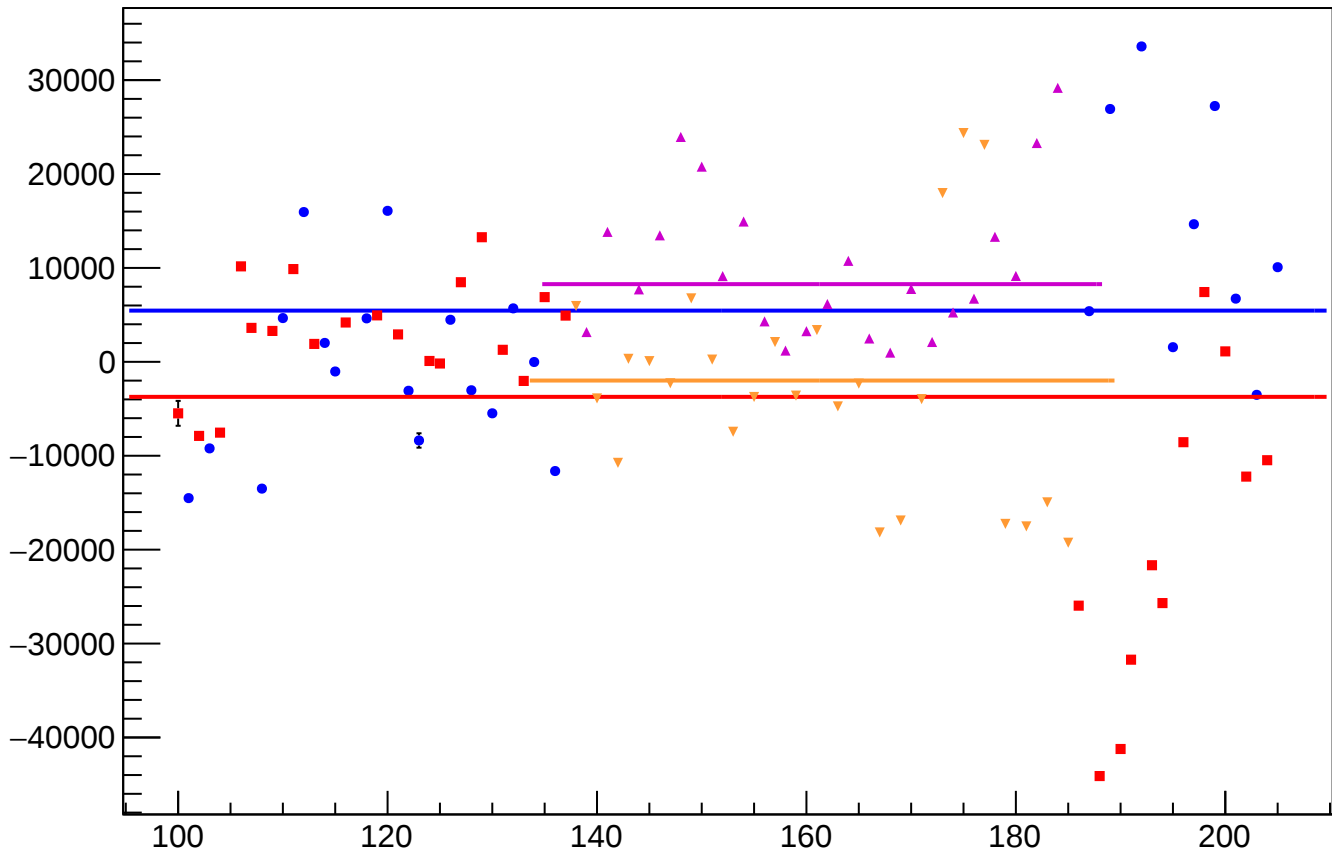
Left In: 373.161 $\pm$ 0.065 χ^2 /NDF:1636244.2/22

+ sign 356.438 $\pm$ 0.046 χ^2 /NDF: 3216927.2/50

All: 355.910 $\pm$ 0.033 χ^2 /NDF: 6132856.9/103

- sign 355.386 $\pm$ 0.046 χ^2 /NDF: 2915671.1/52

asym_bpm0i02WS_mean vs Slug



Right In: 5454.827 $\pm$ 43.477 χ^2 /NDF: 86952.7/25

Left Out: -1991.788 $\pm$ 42.427 χ^2 /NDF:63766.6/24

Right Out: -3728.782 $\pm$ 41.326 χ^2 /NDF: 132938.1/29

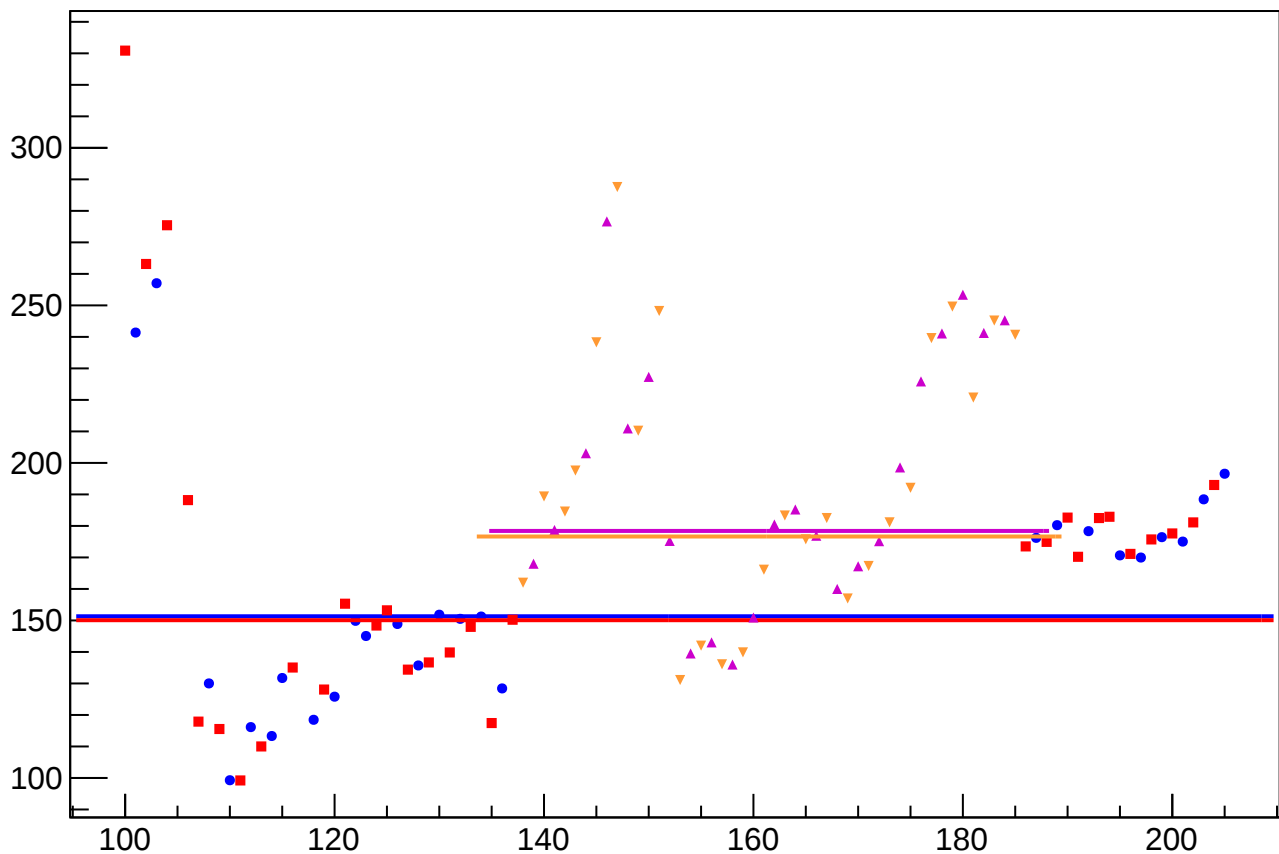
Left In: 8273.228 $\pm$ 44.301 χ^2 /NDF:22870.2/22

+ sign 1640.478 $\pm$ 30.365 χ^2 /NDF: 165745.7/50

All: 1748.636 $\pm$ 21.419 χ^2 /NDF: 360824.5/100

- sign 1855.759 $\pm$ 30.219 χ^2 /NDF: 195053.5/52

asym_bpm0i02WS_rms vs Slug



Right In: 151.325+/-0.031 χ^2/NDF : 1152437.6/25

Left Out: 176.641+/-0.030 χ^2/NDF :1551048.8/24

Right Out: 150.078+/-0.029 χ^2/NDF : 1426076.3/29

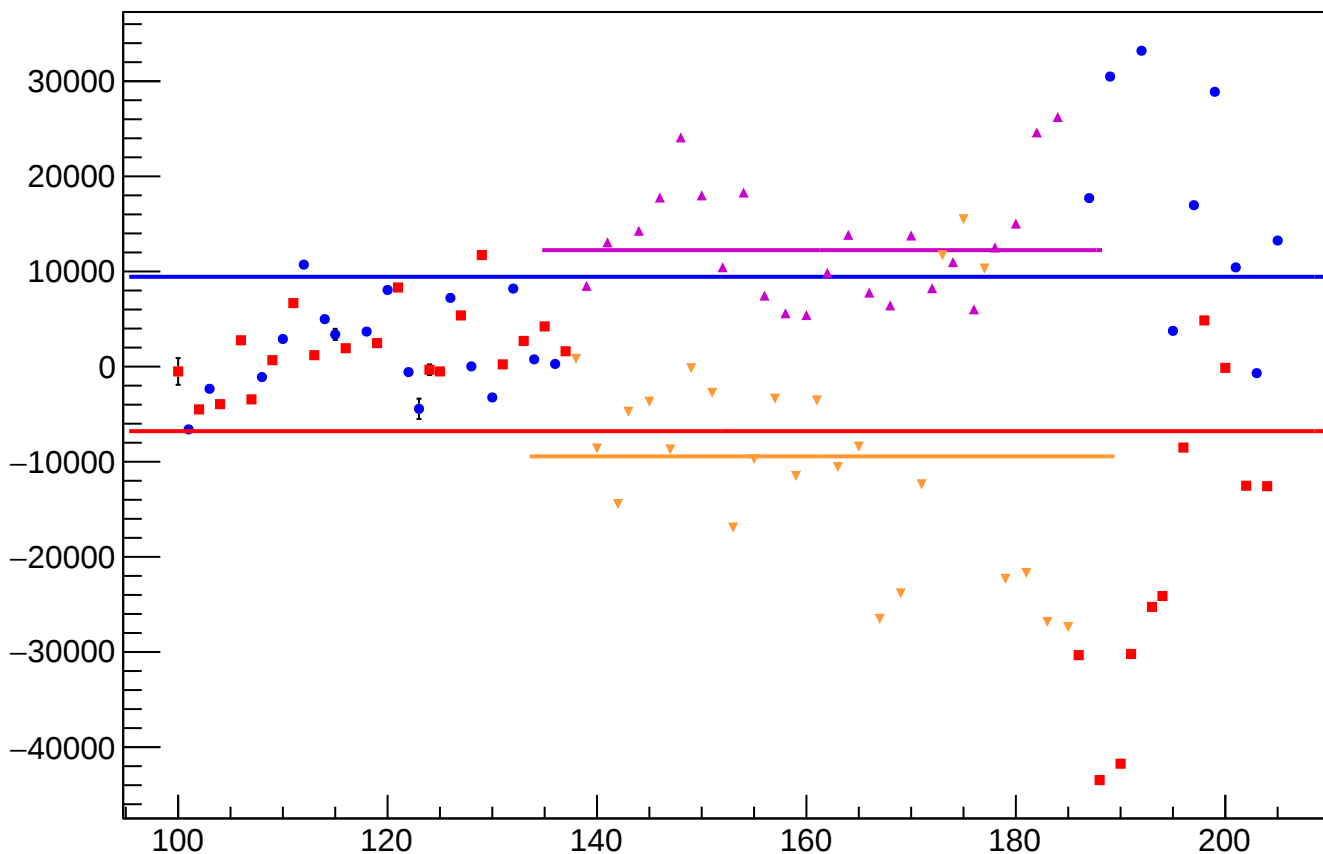
Left In: 178.413+/-0.031 χ^2/NDF :1293736.2/22

+ sign 164.292+/-0.021 χ^2/NDF : 3050821.9/50

All: 163.775+/-0.015 χ^2/NDF : 6209271.0/103

- sign 163.263+/-0.021 χ^2/NDF : 3157293.3/52

asym_bpm0i02aWS_mean vs Slug



Right In: 9442.233+/-49.643 χ^2/NDF : 48757.1/25

Left Out: -9437.408+/-45.534 χ^2/NDF : 62220.4/24

Right Out: -6785.932+/-47.076 χ^2/NDF : 102925.0/29

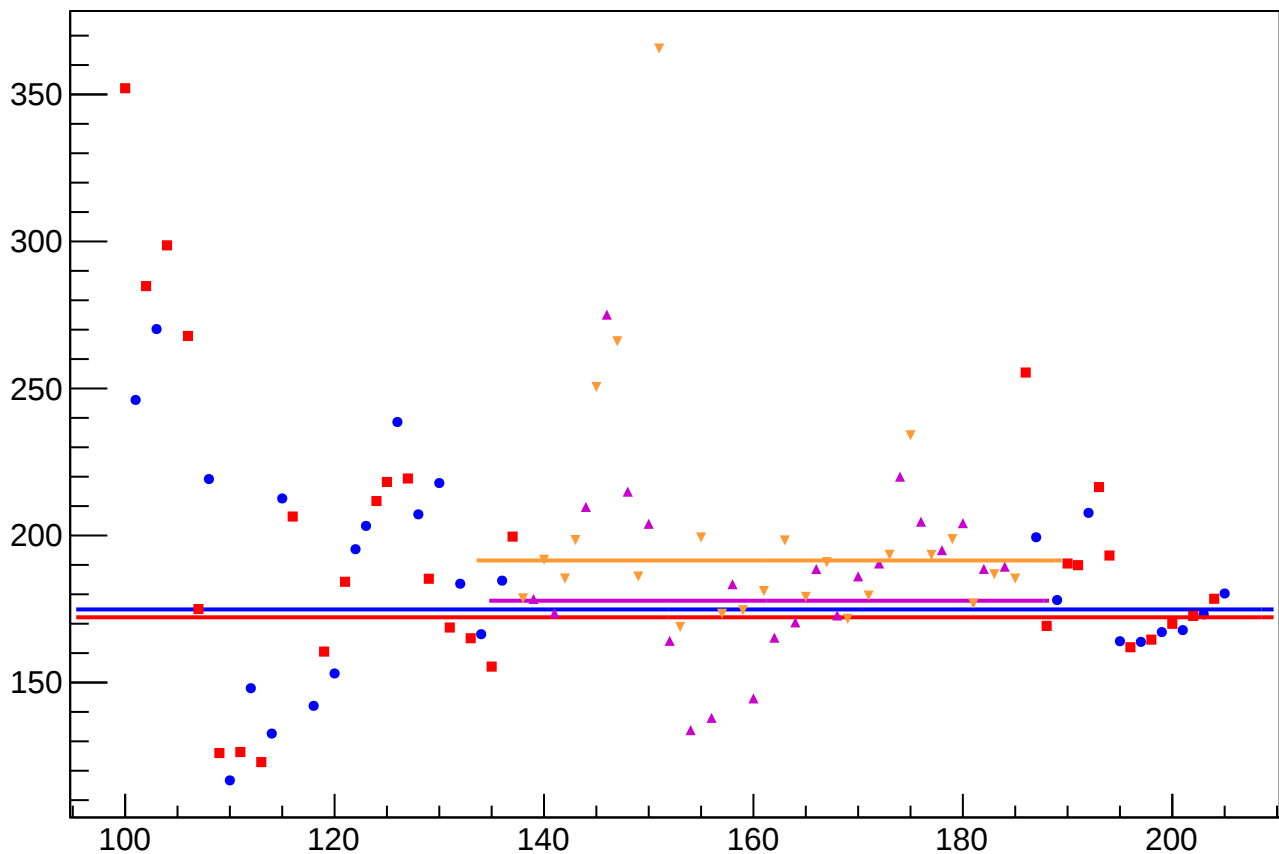
Left In: 12242.226+/-43.944 χ^2/NDF : 16615.8/22

+ sign -811.054+/-33.556 χ^2/NDF : 189526.9/50

All: 1376.938+/-23.205 χ^2/NDF : 404518.5/10

- sign 3382.082+/-32.124 χ^2/NDF : 206843.9/52

asym_bpm0i02aWS_rms vs Slug



Right In: 174.854+/-0.035 χ^2/NDF : 759679.9/25

Left Out: 191.507+/-0.032 χ^2/NDF : 727251.6/24

Right Out: 172.183+/-0.033 χ^2/NDF : 1125496.9/29

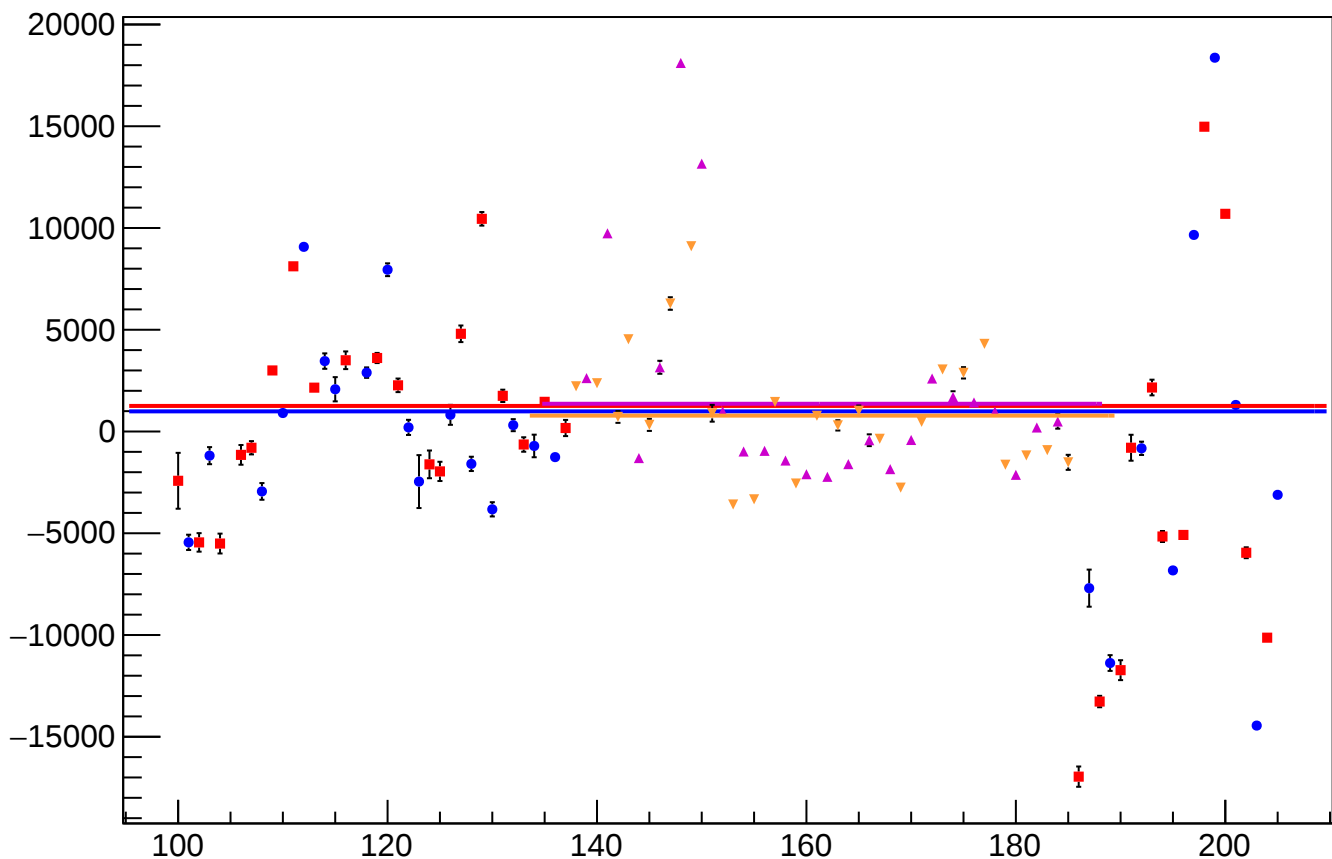
Left In: 177.821+/-0.031 χ^2/NDF : 862494.4/22

+ sign 183.898+/-0.024 χ^2/NDF : 1609152.0/50

All: 179.357+/-0.016 χ^2/NDF : 3682653.4/103

- sign 175.196+/-0.023 χ^2/NDF : 2003321.2/52

asym_bpm0i05WS_mean vs Slug



Right In: 989.600 $\pm$ 55.798 χ^2 /NDF: 19979.6/25

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

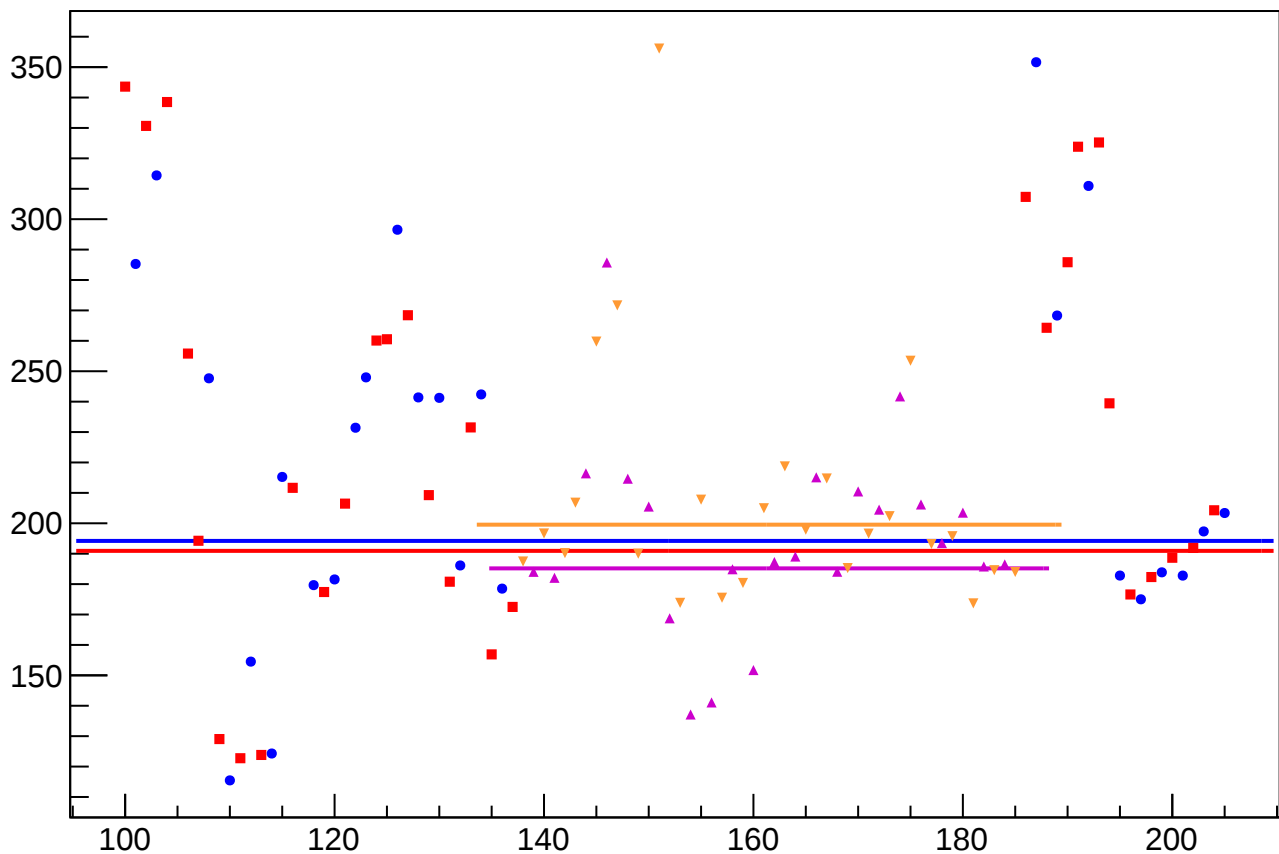
Left In: 1363.043 $\pm$ 45.807 χ^2 /NDF:11632.9/22

+ sign 867.970 $\pm$ 36.150 χ^2 /NDF: 24248.5/50

All: 1101.877 $\pm$ 25.049 χ^2 /NDF: 54853.7/103

- sign 1317.917 $\pm$ 34.742 χ^2 /NDF: 30524.6/52

asym_bpm0i05WS_rms vs Slug



Right In: 194.203 $\pm$ 0.039 χ^2 /NDF: 1410264.3/25

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

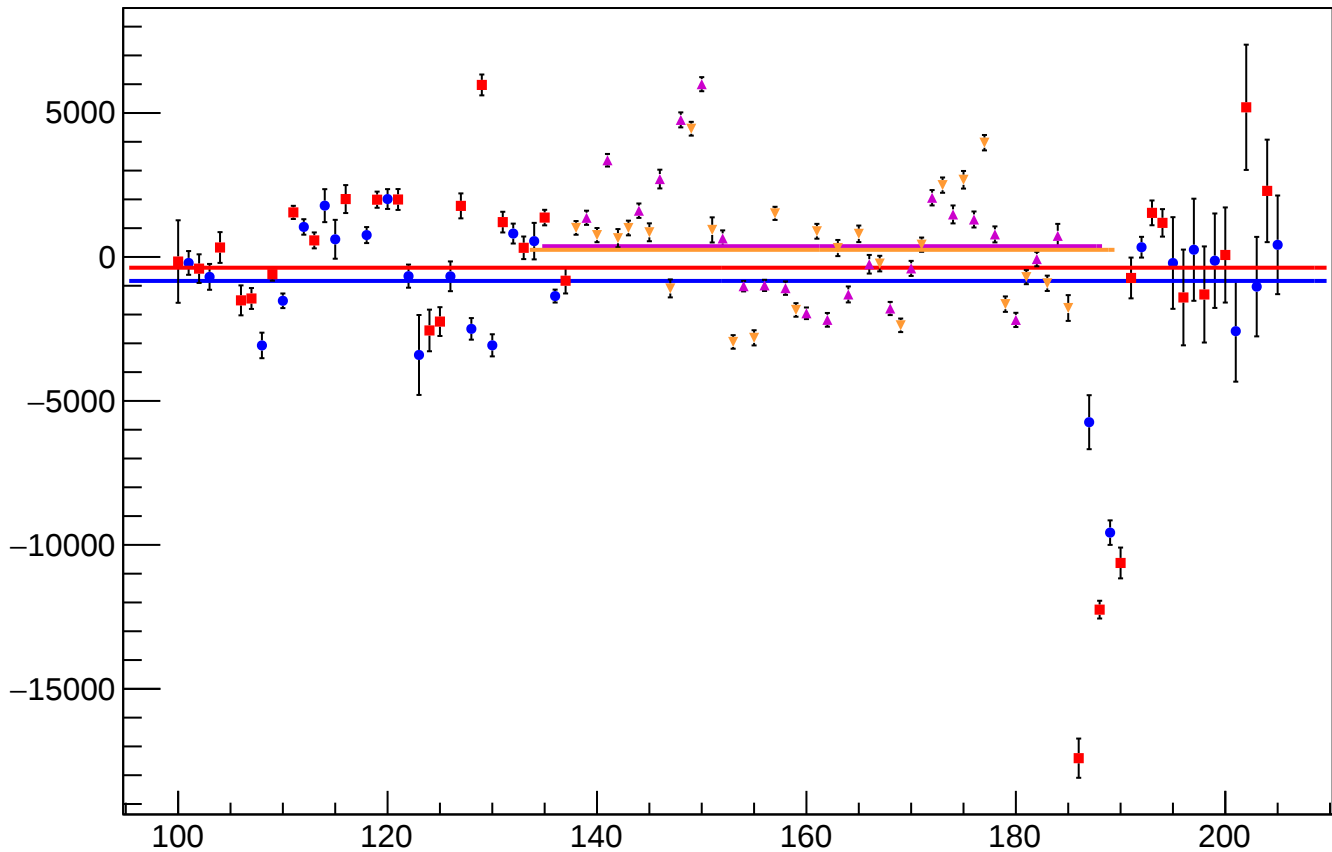
Left In: 185.171 $\pm$ 0.032 χ^2 /NDF: 882752.2/22

+ sign 197.304 $\pm$ 0.026 χ^2 /NDF: 2150263.5/50

All: 192.268 $\pm$ 0.018 χ^2 /NDF: 5255215.2/103

- sign 187.618 $\pm$ 0.025 χ^2 /NDF: 3030306.1/52

asym_bpm0i07WS_mean vs Slug



Right In: -832.364+/-83.541 χ^2/NDF : 761.7/25

Left Out: 247.844+/-53.555 χ^2/NDF :1355.1/24

Right Out: -373.180+/-75.073 χ^2/NDF : 3171.4/29

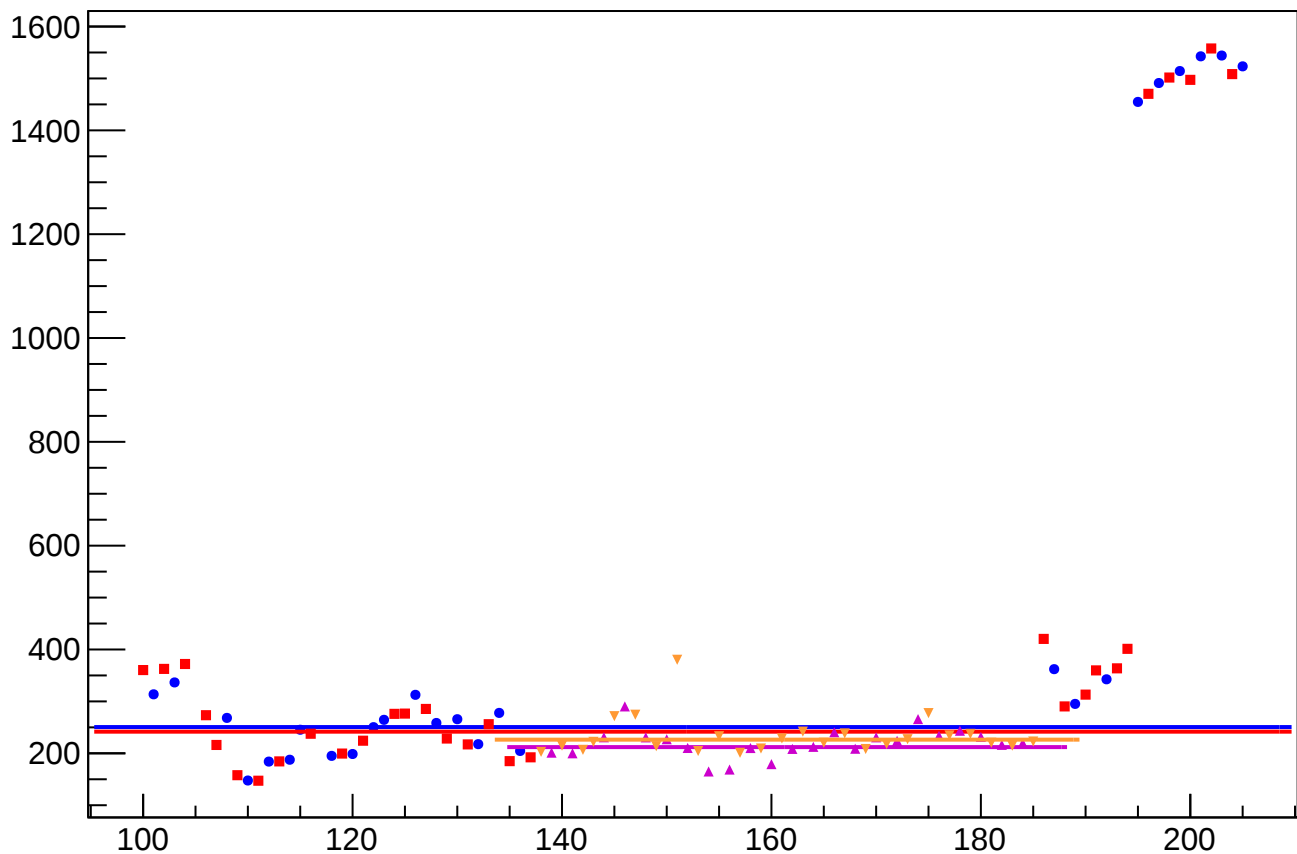
Left In: 374.122+/-52.049 χ^2/NDF :1801.0/22

+ sign -66.779+/-45.086 χ^2/NDF : 2235.3/50

All: 37.586+/-31.031 χ^2/NDF : 7284.8/103

- sign 131.522+/-42.774 χ^2/NDF : 5039.3/52

asym_bpm0i07WS_rms vs Slug



Right In: 250.568 $\pm$ 0.059 χ^2 /NDF: 7663074.2/25

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

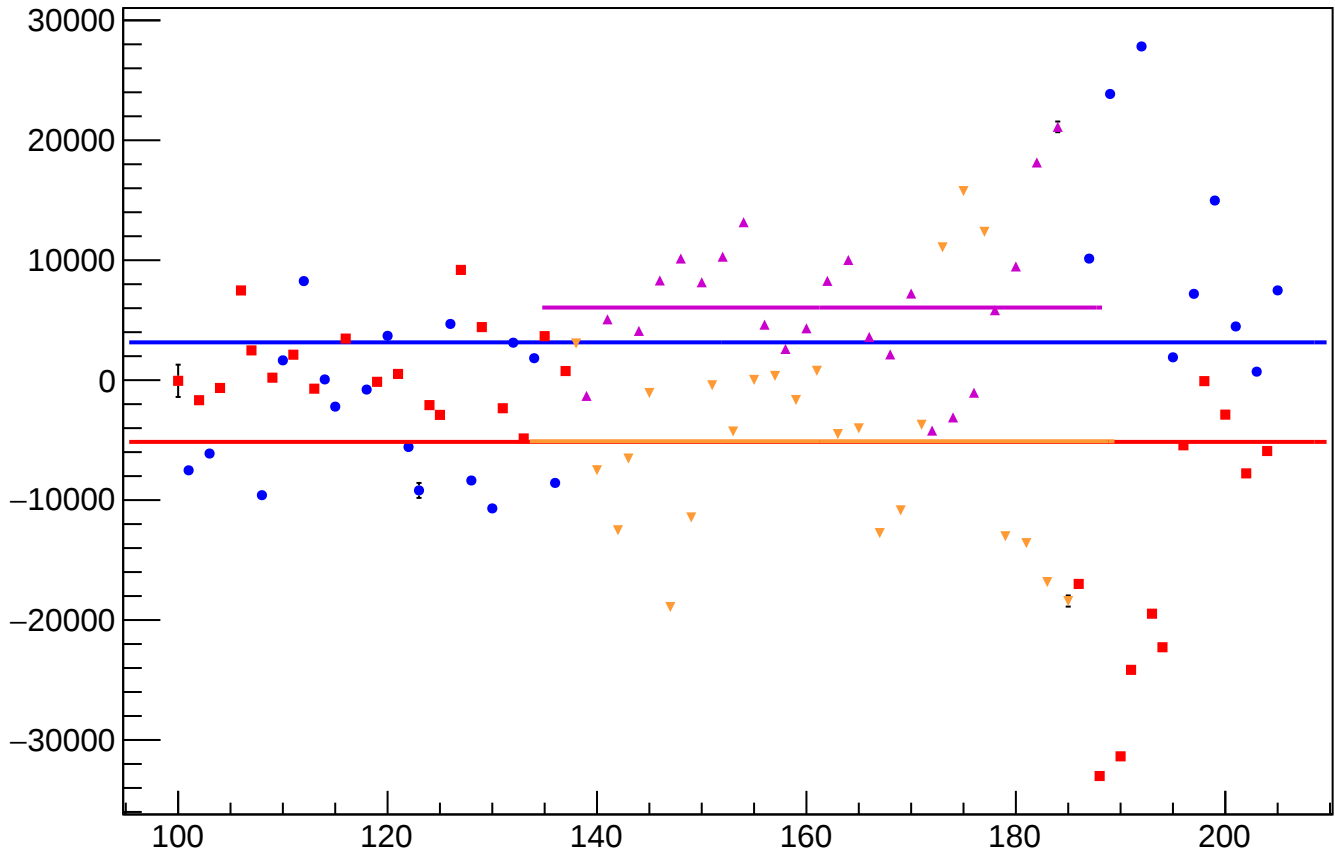
Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

+ sign 233.384 $\pm$ 0.032 χ^2 /NDF: 8303518.0/50

All: 227.195 $\pm$ 0.022 χ^2 /NDF: 16153442.9/10

- sign 221.624 $\pm$ 0.030 χ^2 /NDF: 7778310.6/52

asym_bpm1i02WS_mean vs Slug



Right In: 3151.589 ± 36.951 $\chi^2/\text{NDF}: 73941.5/25$

Left Out: -5095.305 ± 33.703 $\chi^2/\text{NDF}: 54395.4/24$

+ sign -1350.112 ± 24.901 $\chi^2/\text{NDF}: 155527.3/50$

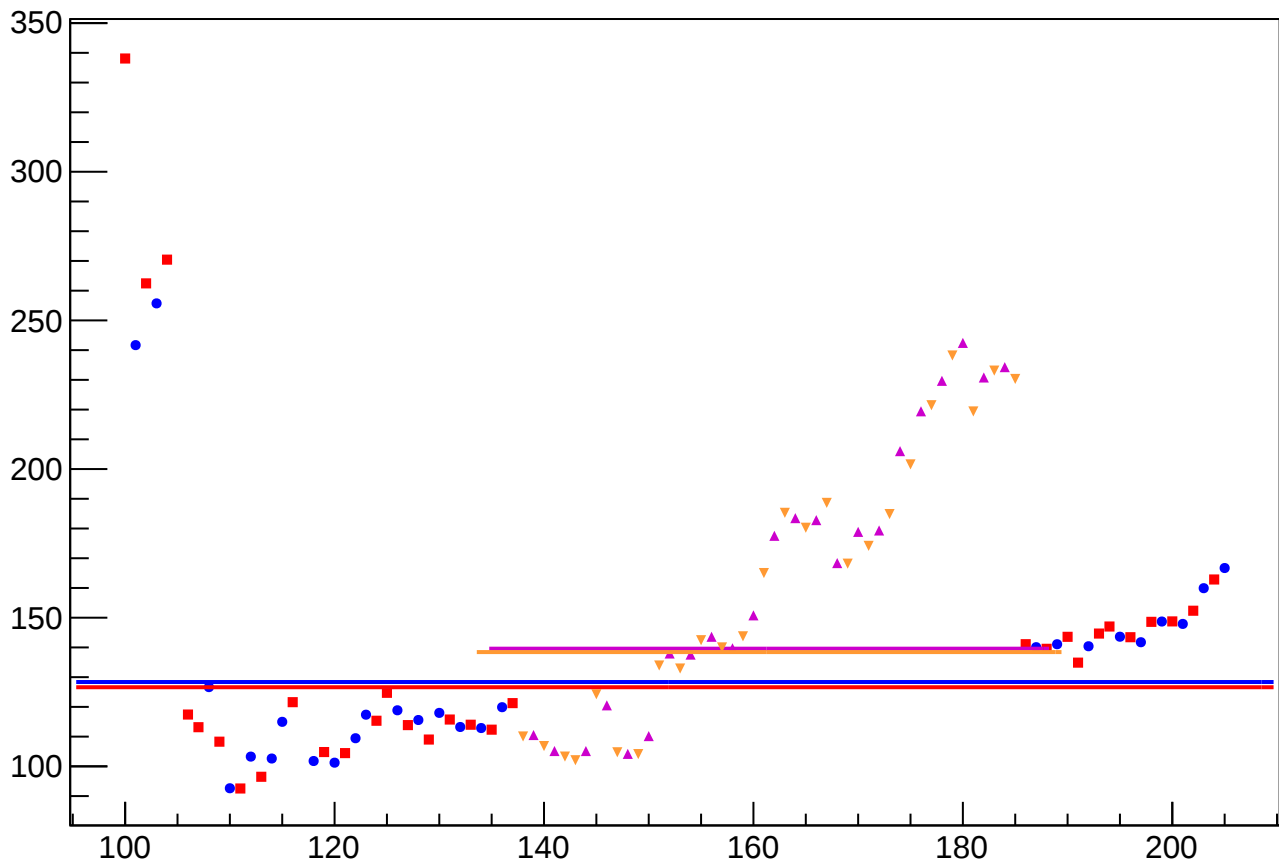
Right Out: -5147.498 ± 34.813 $\chi^2/\text{NDF}: 101013.7/29$

All: -455.533 ± 17.530 $\chi^2/\text{NDF}: 328176.9/10$

- sign 423.355 ± 24.682 $\chi^2/\text{NDF}: 170090.9/52$

Left In: 6053.569 ± 34.998 $\chi^2/\text{NDF}: 17590.3/22$

asym_bpm1i02WS_rms vs Slug



Right In: 128.365+/-0.026 χ^2/NDF : 1145307.4/25

Left Out: 138.436+/-0.024 χ^2/NDF : 2549435.8/24

Right Out: 126.609+/-0.025 χ^2/NDF : 1252162.1/29

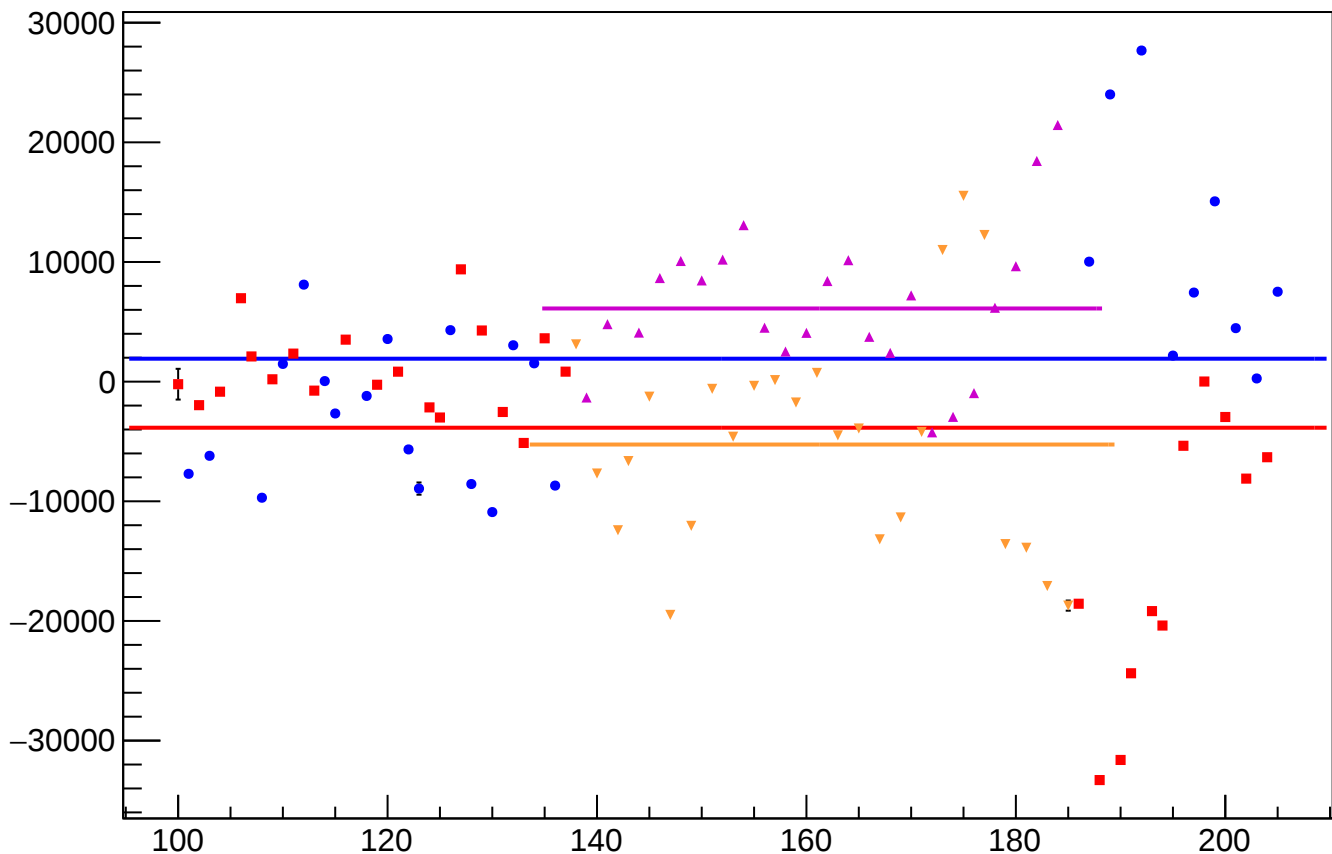
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 133.862+/-0.018 χ^2/NDF : 3775838.4/50

All: 133.457+/-0.012 χ^2/NDF : 7580737.9/103

- sign 133.059+/-0.017 χ^2/NDF : 3803850.5/52

asym_bpm1i04WS_mean vs Slug



Right In: 1917.272 $\pm$ 32.938 χ^2 /NDF: 81461.3/25

Left Out: -5255.652 $\pm$ 30.622 χ^2 /NDF:64324.6/24

+ sign -1930.167 $\pm$ 22.427 χ^2 /NDF: 171224.0/50

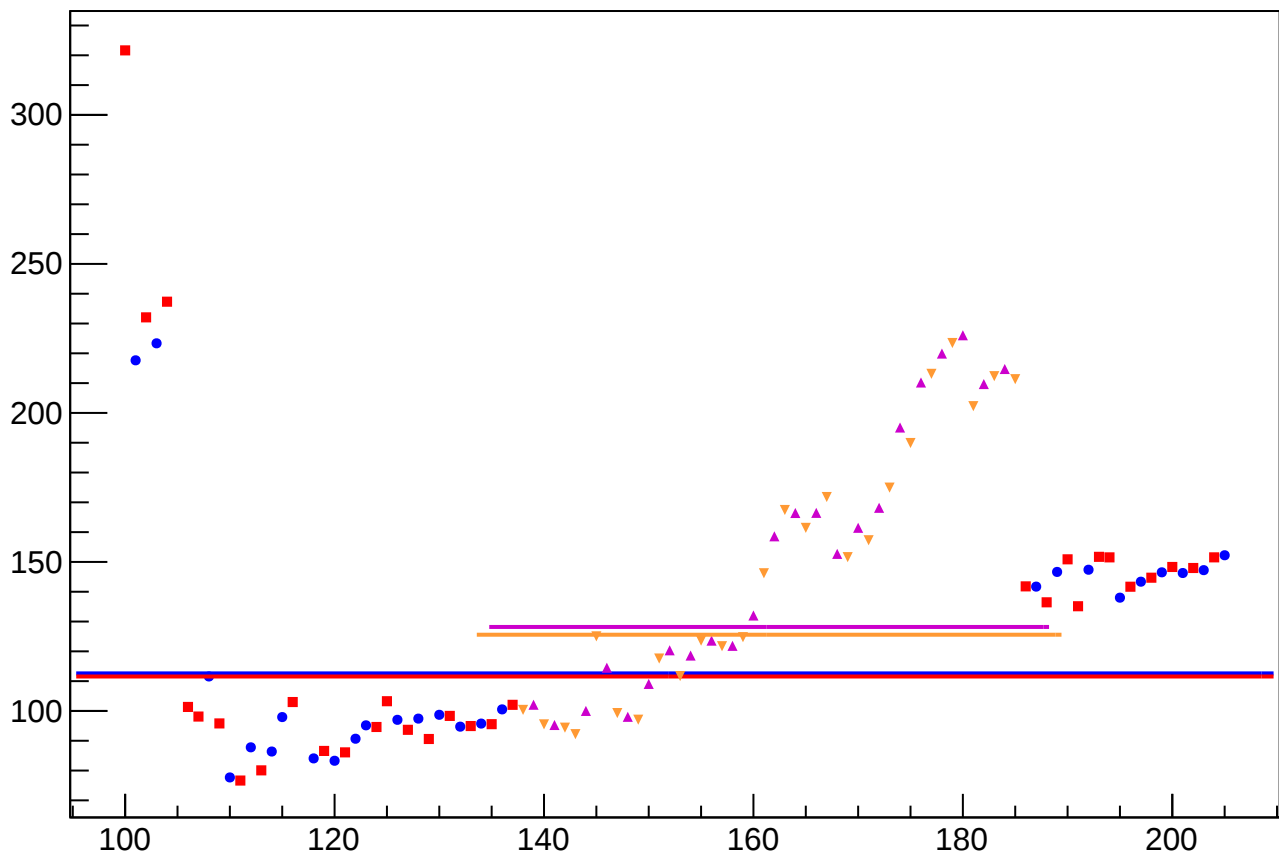
Right Out: -3850.746 $\pm$ 31.225 χ^2 /NDF: 108285.5/29

All: -467.499 $\pm$ 15.846 χ^2 /NDF: 358745.6/10

- sign 990.508 $\pm$ 22.391 χ^2 /NDF: 179028.1/52

Left In: 6114.901 $\pm$ 32.126 χ^2 /NDF:21260.9/22

asym_bpm1i04WS_rms vs Slug



Right In: 112.600 $\pm$ 0.023 χ^2 /NDF: 1782562.9/25

Left Out: 125.577 $\pm$ 0.022 χ^2 /NDF: 2595752.6/24

Right Out: 111.561 $\pm$ 0.022 χ^2 /NDF: 2026191.2/29

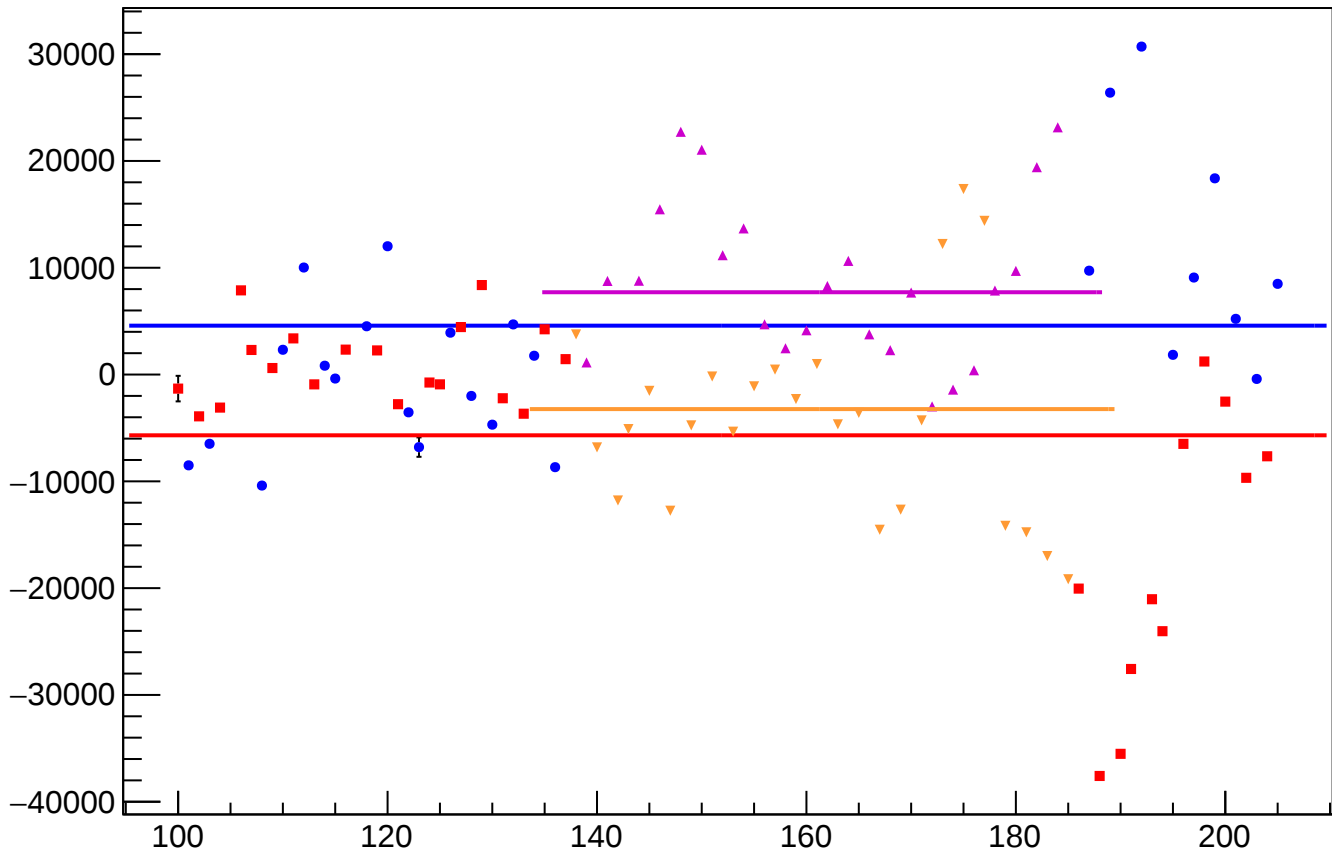
Left In: 128.184 $\pm$ 0.023 χ^2 /NDF: 2332977.5/22

+ sign 119.561 $\pm$ 0.016 χ^2 /NDF: 4544835.5/50

All: 119.599 $\pm$ 0.011 χ^2 /NDF: 9179359.3/103

- sign 119.636 $\pm$ 0.016 χ^2 /NDF: 4634512.5/52

asym_bpm1i06WS_mean vs Slug



Right In: 4577.215+/-43.722 χ^2/NDF : 58671.3/25

Left Out: -3234.922+/-40.583 χ^2/NDF : 36739.9/24

Right Out: -5689.327+/-41.311 χ^2/NDF : 90430.8/29

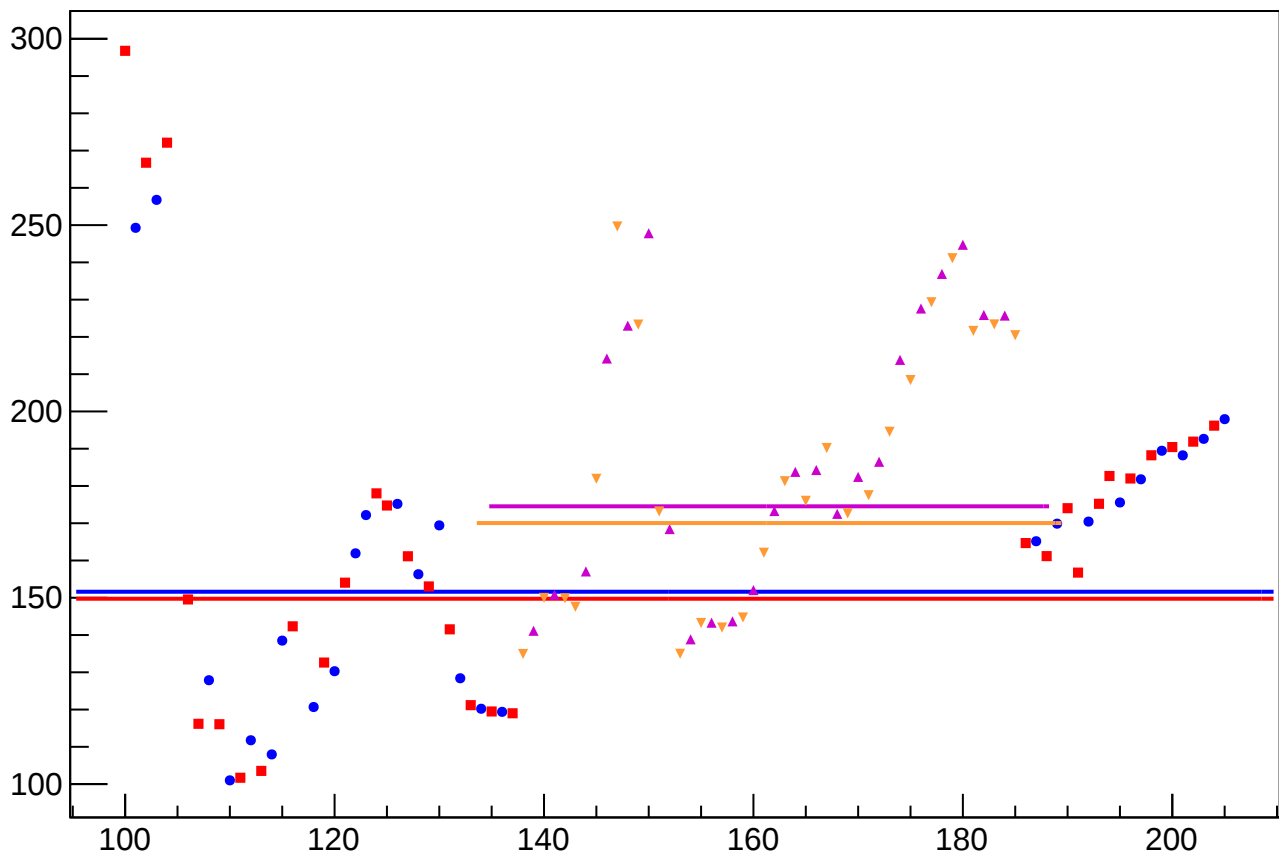
Left In: 7707.068+/-42.990 χ^2/NDF : 21268.3/22

+ sign 380.676+/-29.744 χ^2/NDF : 112561.5/50

All: 561.152+/-21.047 χ^2/NDF : 274820.3/103

- sign 742.149+/-29.787 χ^2/NDF : 162185.1/52

asym_bpm1i06WS_rms vs Slug



Right In: 151.616 $\pm$ 0.031 χ^2 /NDF: 1380212.5/25

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

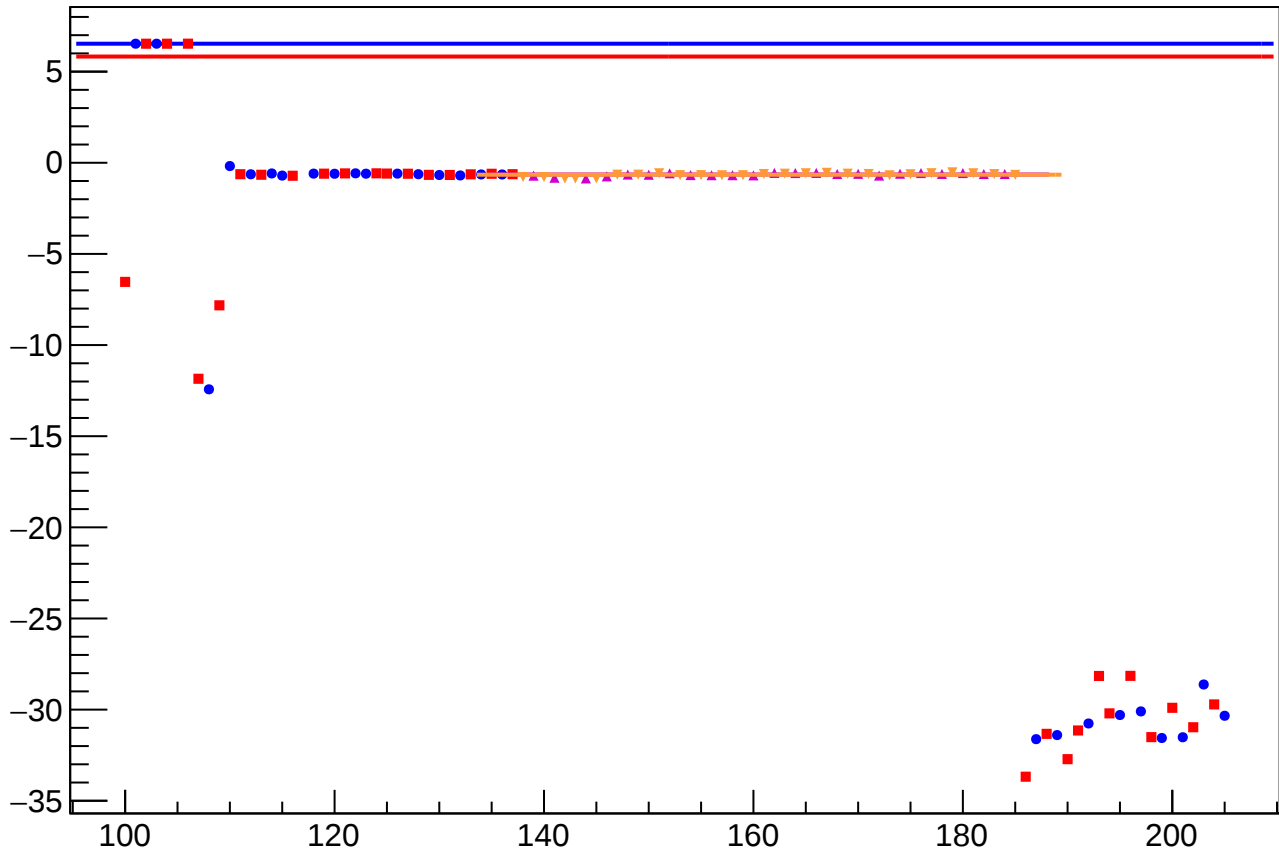
Left In: 174.539 $\pm$ 0.030 χ^2 /NDF:1210071.2/22

+ sign 161.518 $\pm$ 0.021 χ^2 /NDF: 2812051.8/50

All: 161.582 $\pm$ 0.015 χ^2 /NDF: 5897523.8/103

- sign 161.645 $\pm$ 0.021 χ^2 /NDF: 3085453.8/52

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 128000506712.8/25

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179109810.4/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755947813961772.0/29

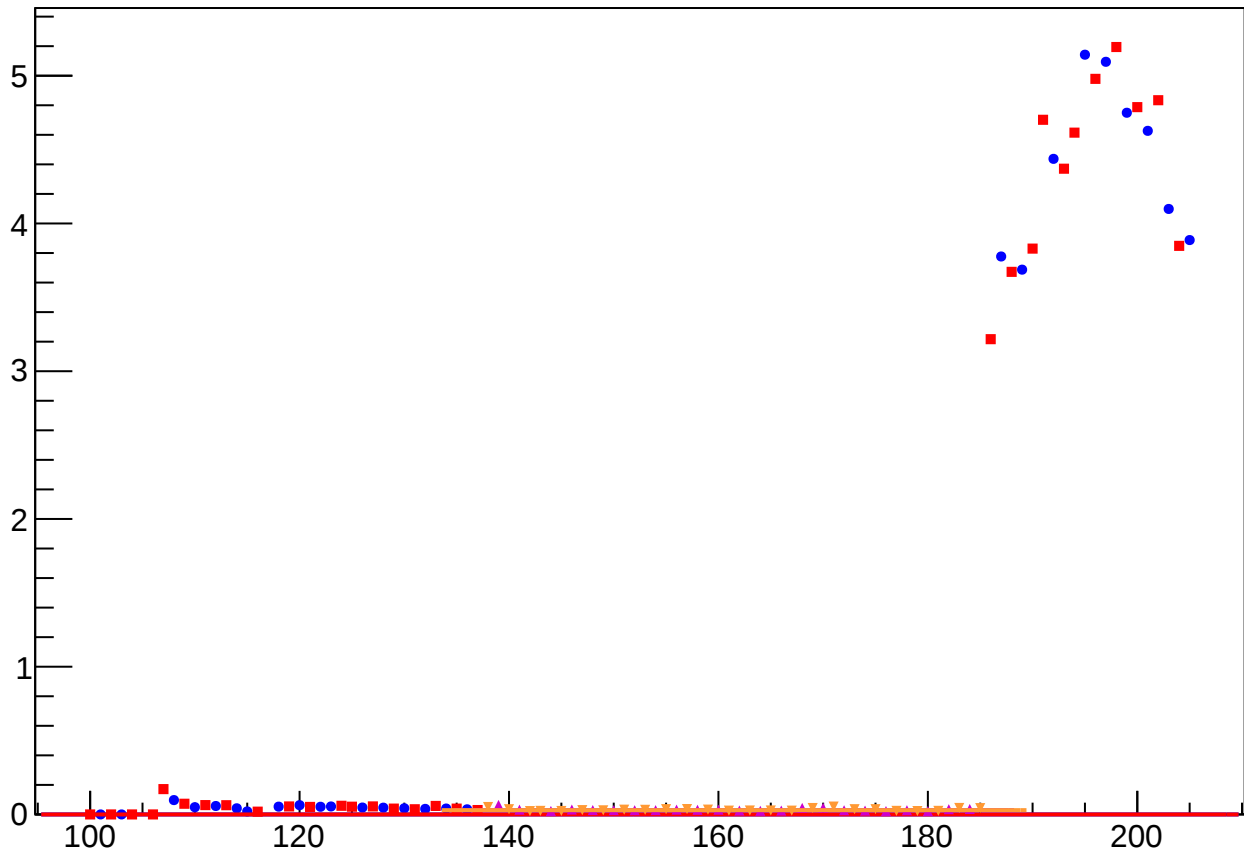
Left In: -0.644 $\pm$ 0.000 χ^2 /NDF: 122913584.0/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 999389776755.1/50

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77760235171735

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756619158560290.0/29

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 21297117.7/25

Left Out: 0.029+/-0.000 χ^2/NDF :1487017.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 23173407.5/29

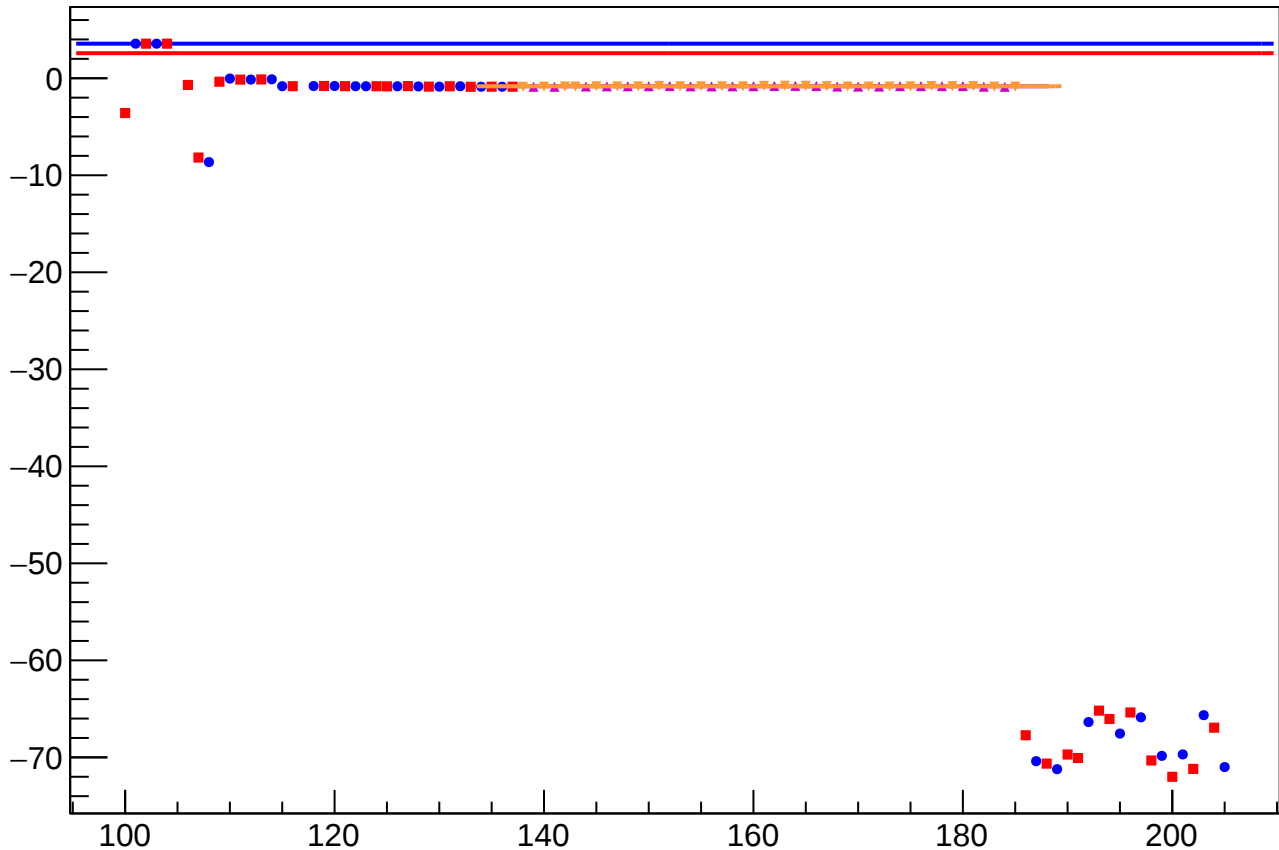
Left In: 0.029+/-0.000 χ^2/NDF :1164030.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 51168501.0/50

All: 0.000+/-0.000 χ^2/NDF : 102308279.5/103

- 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 : 507792405557.0/25

Left Out: -0.828+/-0.000 χ^2/NDF : 168178464.8/24

Right Out: 2.583+/-0.000 χ^2/NDF : 1253529983068934.8/29

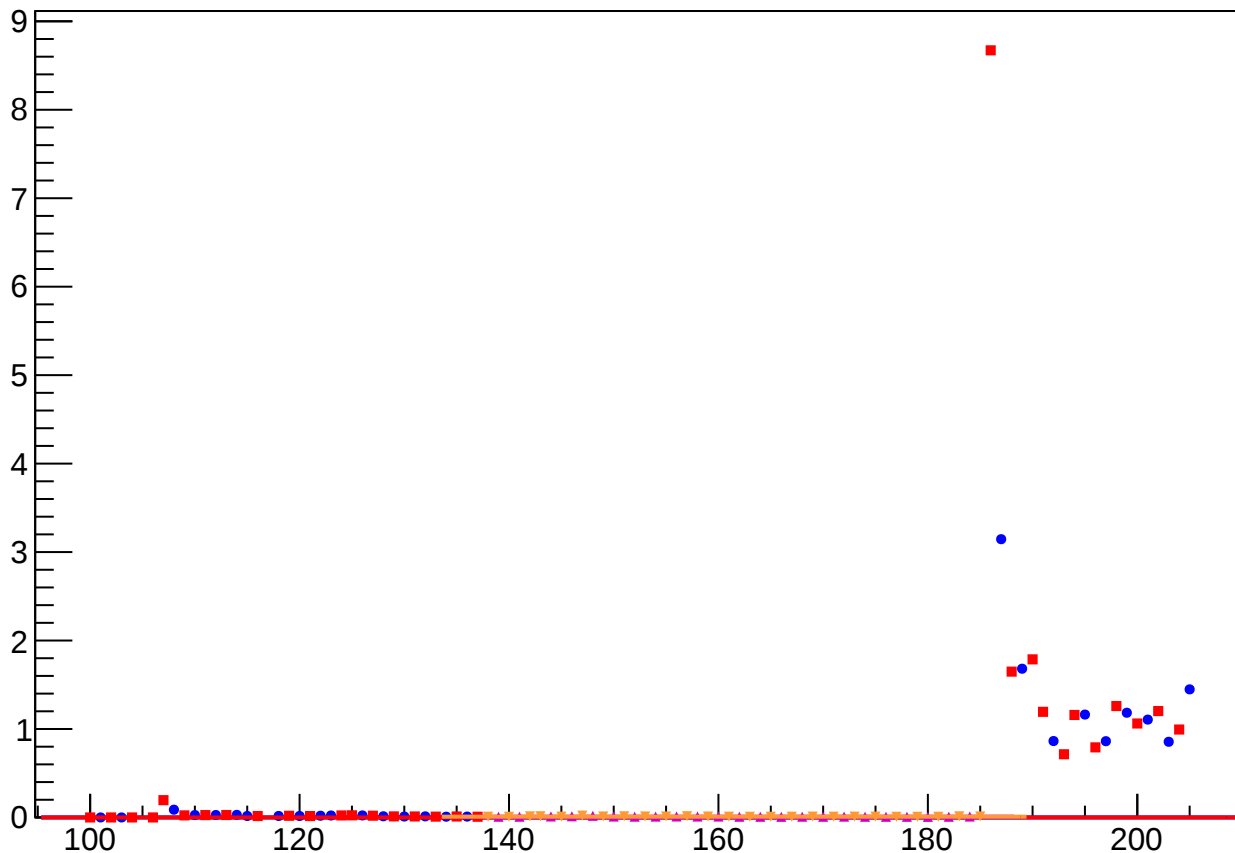
Left In: -0.827+/-0.000 χ^2/NDF : 172640246.1/22

+ sign 3.560+/-0.000 χ^2/NDF : 4189947681557.1/50

All: 3.038+/-0.000 χ^2/NDF : 13879954327803

- sign 2.581+/-0.000 χ^2/NDF : 1255730034922691.2

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 19981808.6/25

Left Out: 0.009+/-0.000 χ^2/NDF :1454710.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 21616644.7/29

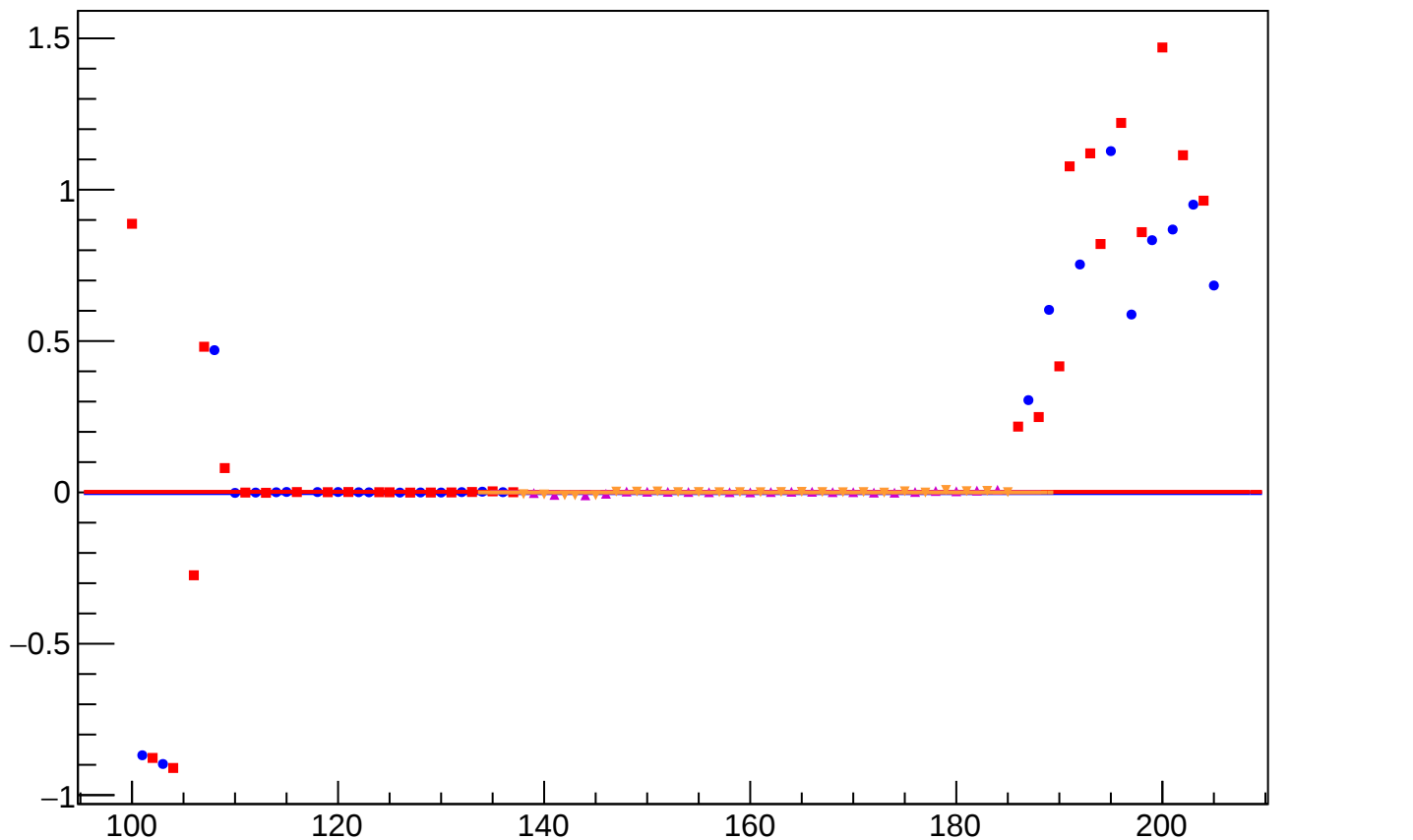
Left In: 0.009+/-0.000 χ^2/NDF :1041524.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 51390572.3/50

All: 0.000+/-0.000 χ^2/NDF : 102553834.6/103

- 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 : 9796974199.4/25

Left Out: -0.000+/-0.000 χ^2/NDF : 151482851.1/24

Right Out: 0.002+/-0.000 χ^2/NDF : 3043581837.4/29

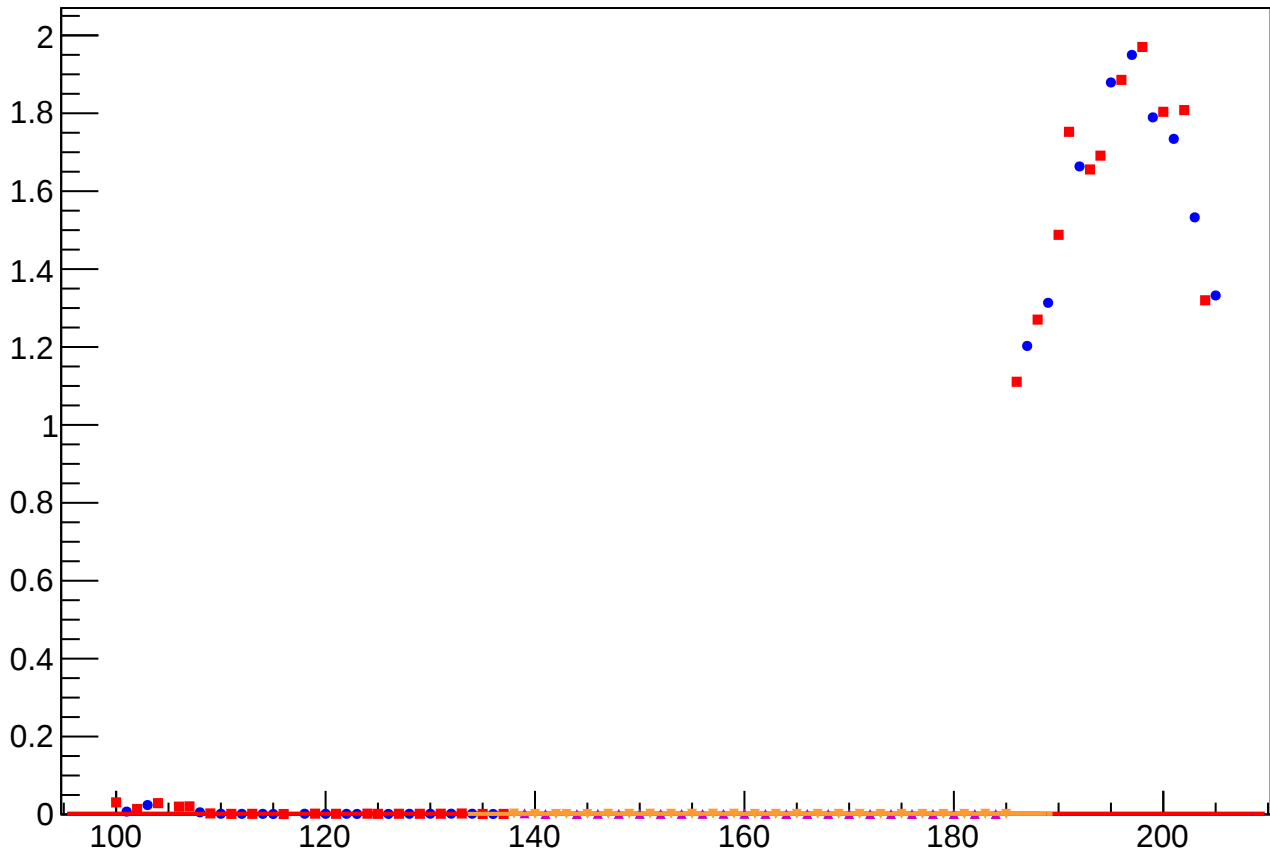
Left In: 0.001+/-0.000 χ^2/NDF : 101439617.3/22

+ sign -0.001+/-0.000 χ^2/NDF : 9954989527.0/50

All: 0.000+/-0.000 χ^2/NDF : 13109560385.7/100

- sign 0.001+/-0.000 χ^2/NDF : 3146989508.2/52

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 14170326.5/25

Left Out: 0.001+/-0.000 χ^2/NDF : 539817.3/24

Right Out: 0.002+/-0.000 χ^2/NDF : 16807697.1/29

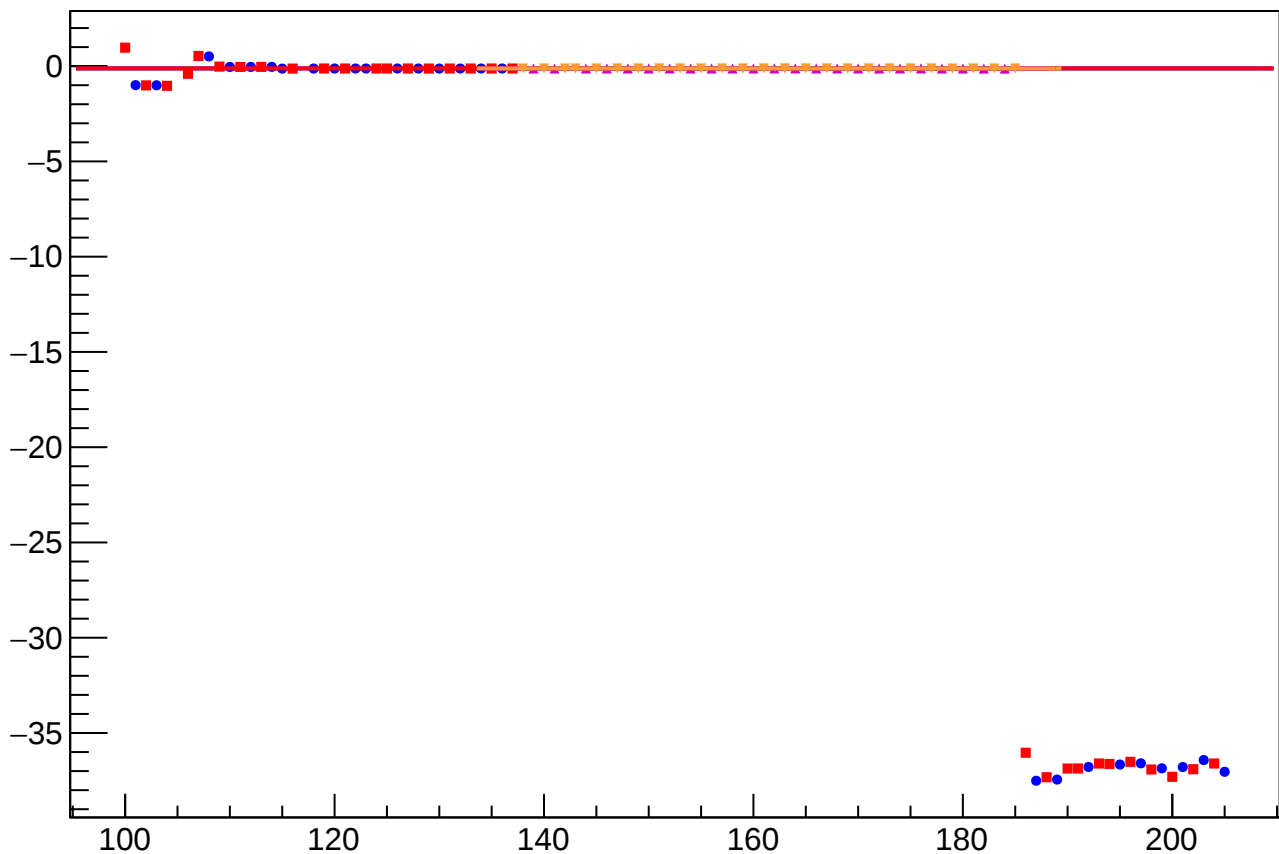
Left In: 0.001+/-0.000 χ^2/NDF : 626044.8/22

+ sign 0.002+/-0.000 χ^2/NDF : 14782286.2/50

All: 0.002+/-0.000 χ^2/NDF : 32335090.8/103

- sign 0.002+/-0.000 χ^2/NDF : 17543852.2/52

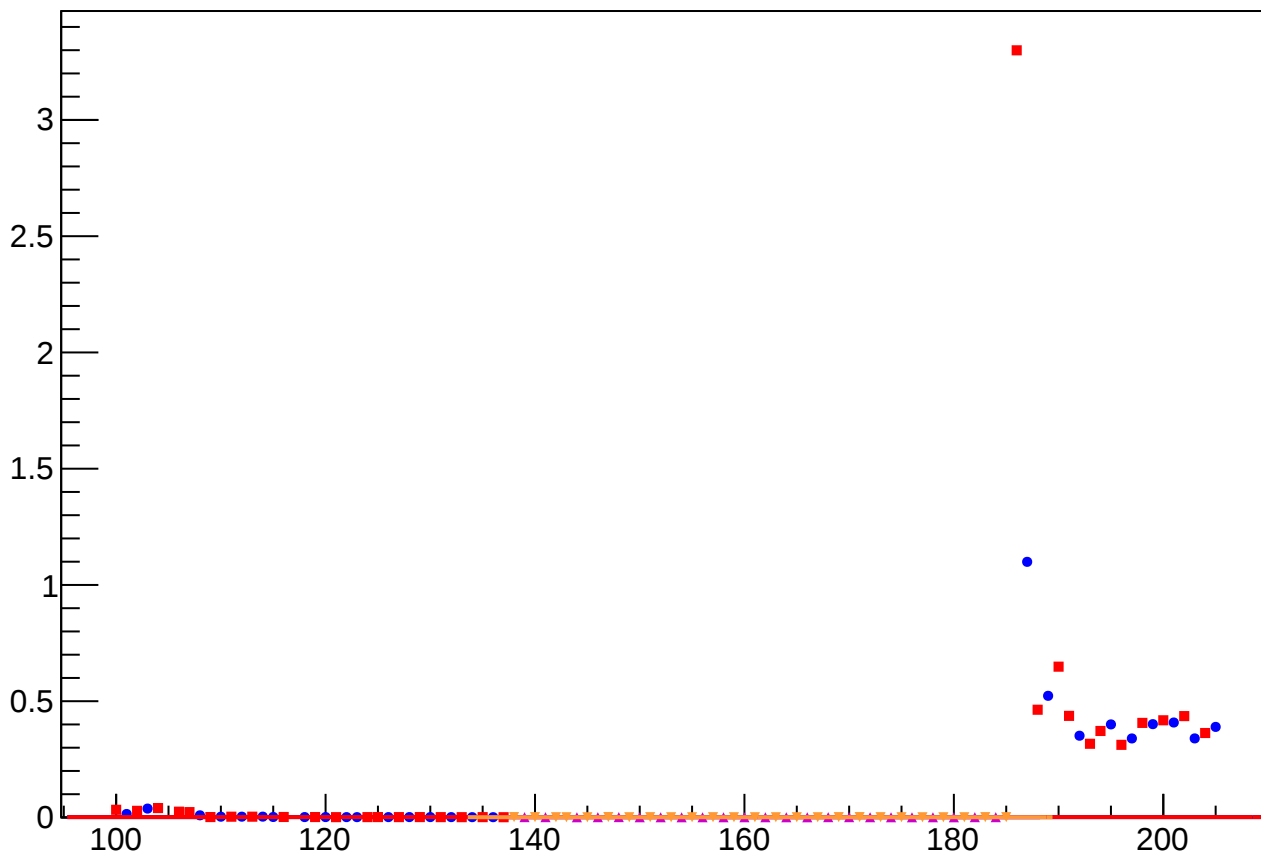
yield_cav4cY_mean vs Slug



Right In: -0.121 ± 0.000 $\chi^2/\text{NDF}: 57475407681.5/25$
 Left Out: -0.121 ± 0.000 $\chi^2/\text{NDF}: 58120109.3/24$
 Right Out: -0.116 ± 0.000 $\chi^2/\text{NDF}: 59986853165.3/29$
 Left In: -0.121 ± 0.000 $\chi^2/\text{NDF}: 52113932.9/22$

+ sign -0.121 ± 0.000 $\chi^2/\text{NDF}: 57533528904.1/50$
 All: -0.121 ± 0.000 $\chi^2/\text{NDF}: 117613814890.8$
 - sign -0.120 ± 0.000 $\chi^2/\text{NDF}: 60076237537.0/52$

yield_cav4cY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 14600858.9/25

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:1363316.8/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 16793059.2/29

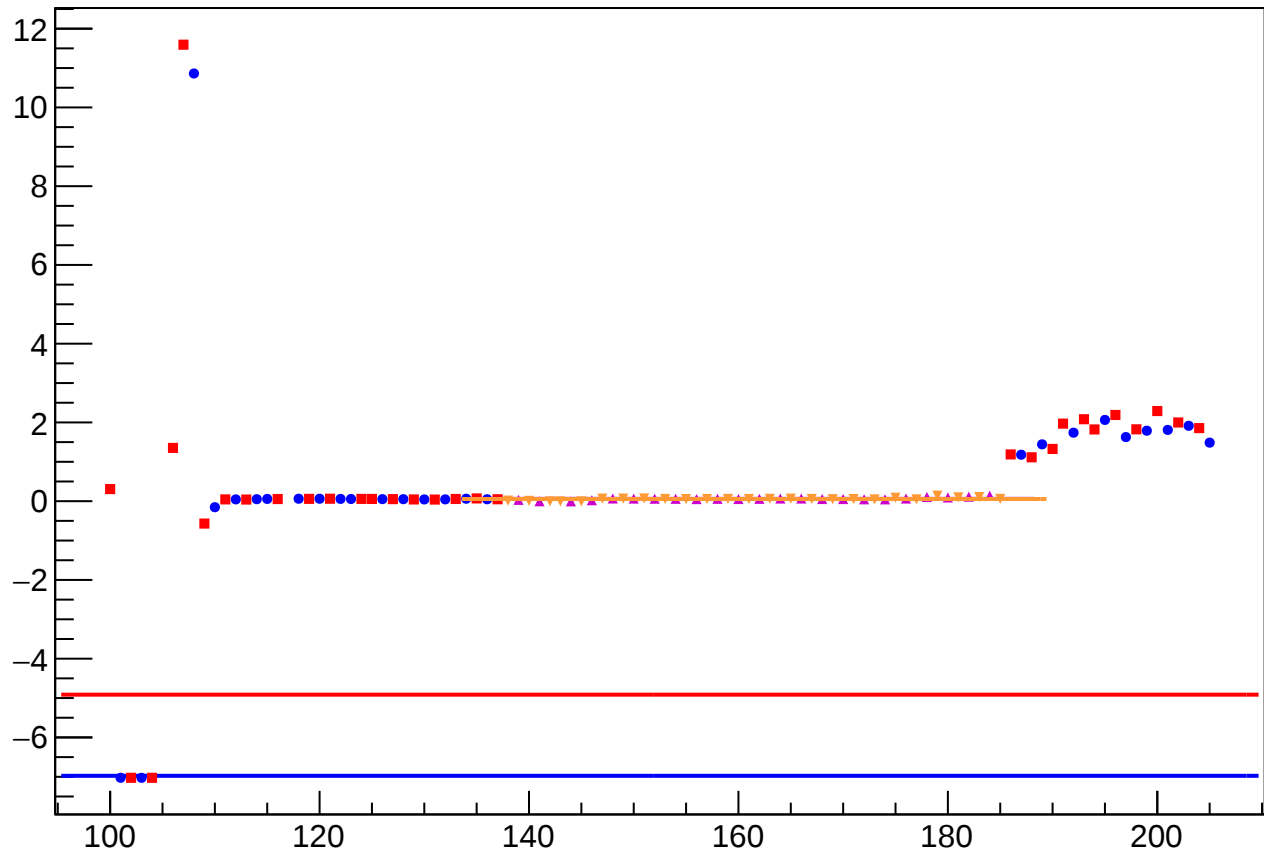
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:970801.8/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 17175539.3/50

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 36079603.2/103

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 18902227.3/52

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8797587434953.5/25

Left Out: 0.055 ± 0.000 χ^2/NDF : 243682351.4/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365352814568662.2/29

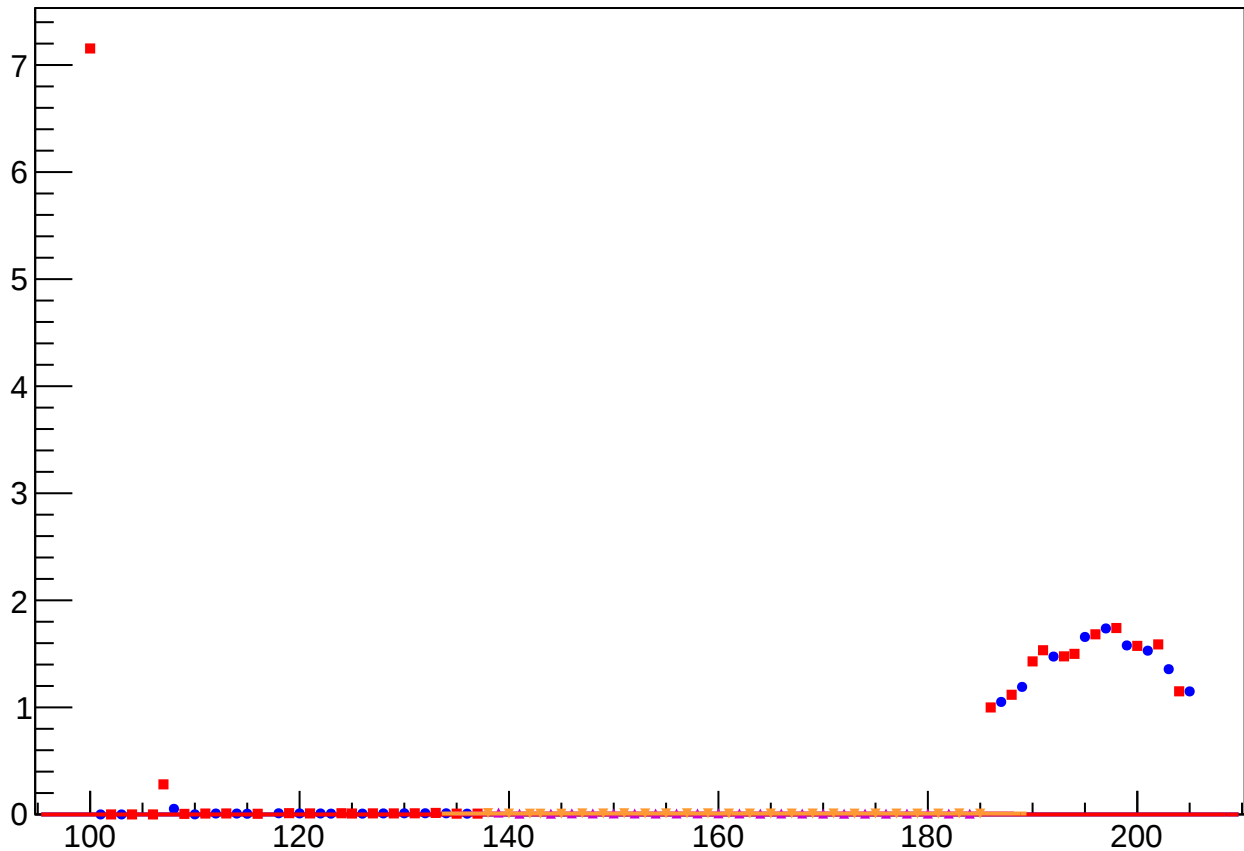
Left In: 0.059 ± 0.000 χ^2/NDF : 178541521.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18423899913636.3/25

All: -5.858 ± 0.000 χ^2/NDF : 4435289414040.0

- sign -4.882 ± 0.000 χ^2/NDF : 369731834471981.0

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 20621131.3/25

Left Out: 0.009+/-0.000 χ^2/NDF : 514432.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 22587754.3/29

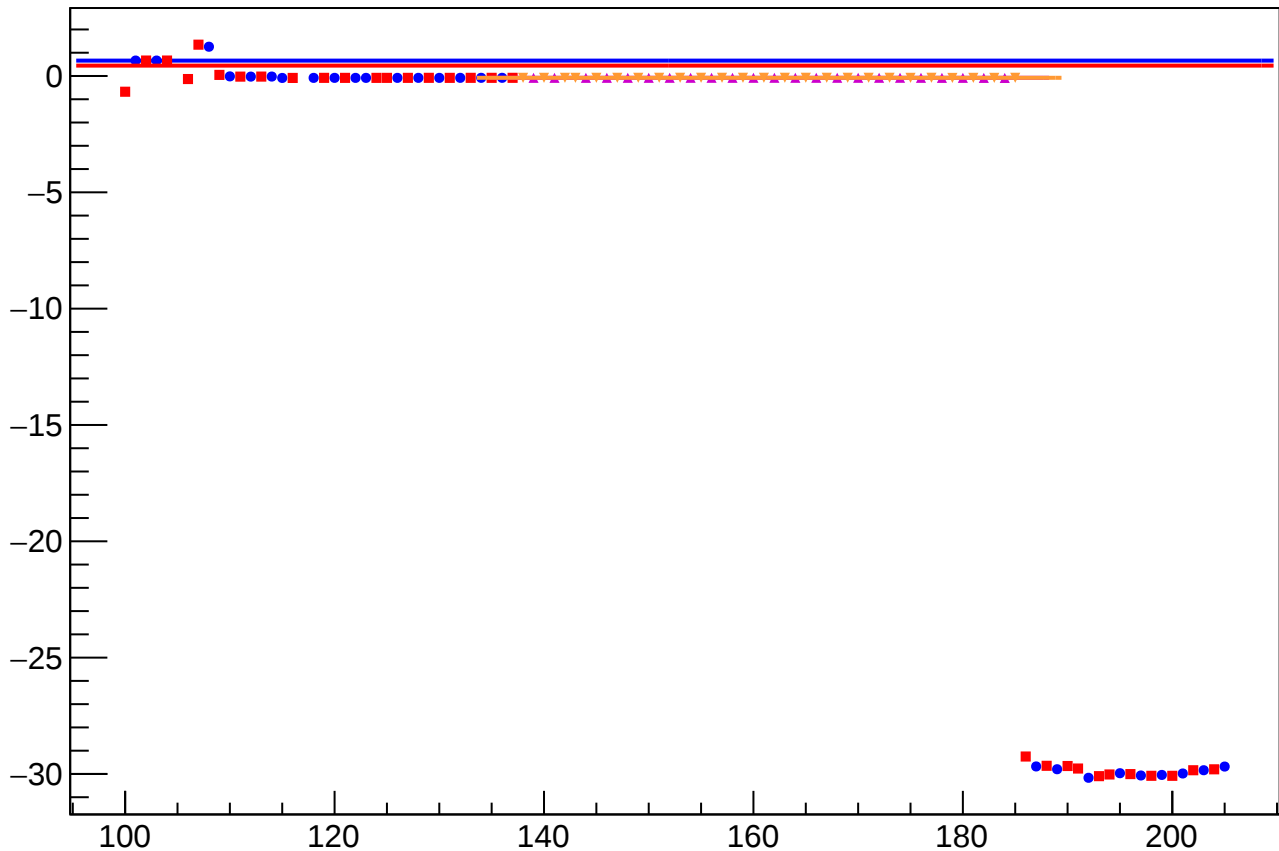
Left In: 0.009+/-0.000 χ^2/NDF : 602517.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 49522963.0/50

All: 0.000+/-0.000 χ^2/NDF : 99571414.3/103

- sign 0.000+/-0.000 χ^2/NDF : 50043634.7/52

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5712049795629.8/25

Left Out: -0.078+/-0.000 χ^2/NDF : 156404795.7/24

Right Out: 0.446+/-0.000 χ^2/NDF : 405483405092634.6/29

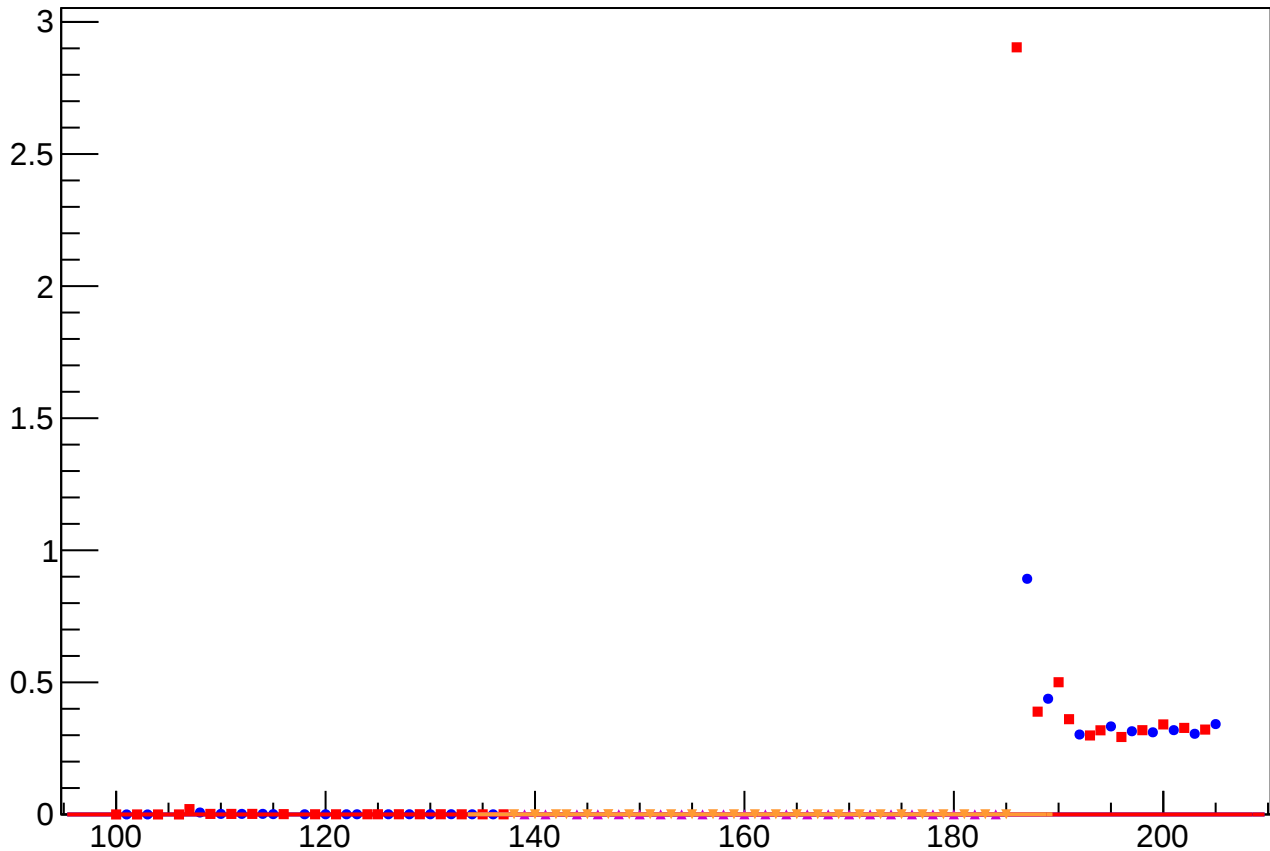
Left In: -0.077+/-0.000 χ^2/NDF : 110762924.1/22

+ sign 0.646+/-0.000 χ^2/NDF : 35810823087464.2/5

All: 0.537+/-0.000 χ^2/NDF : 51595312009189

- sign 0.437+/-0.000 χ^2/NDF : 419605429781883.1/5

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 22081902.7/25

Left Out: 0.001+/-0.000 χ^2/NDF : 465981.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 23124397.3/29

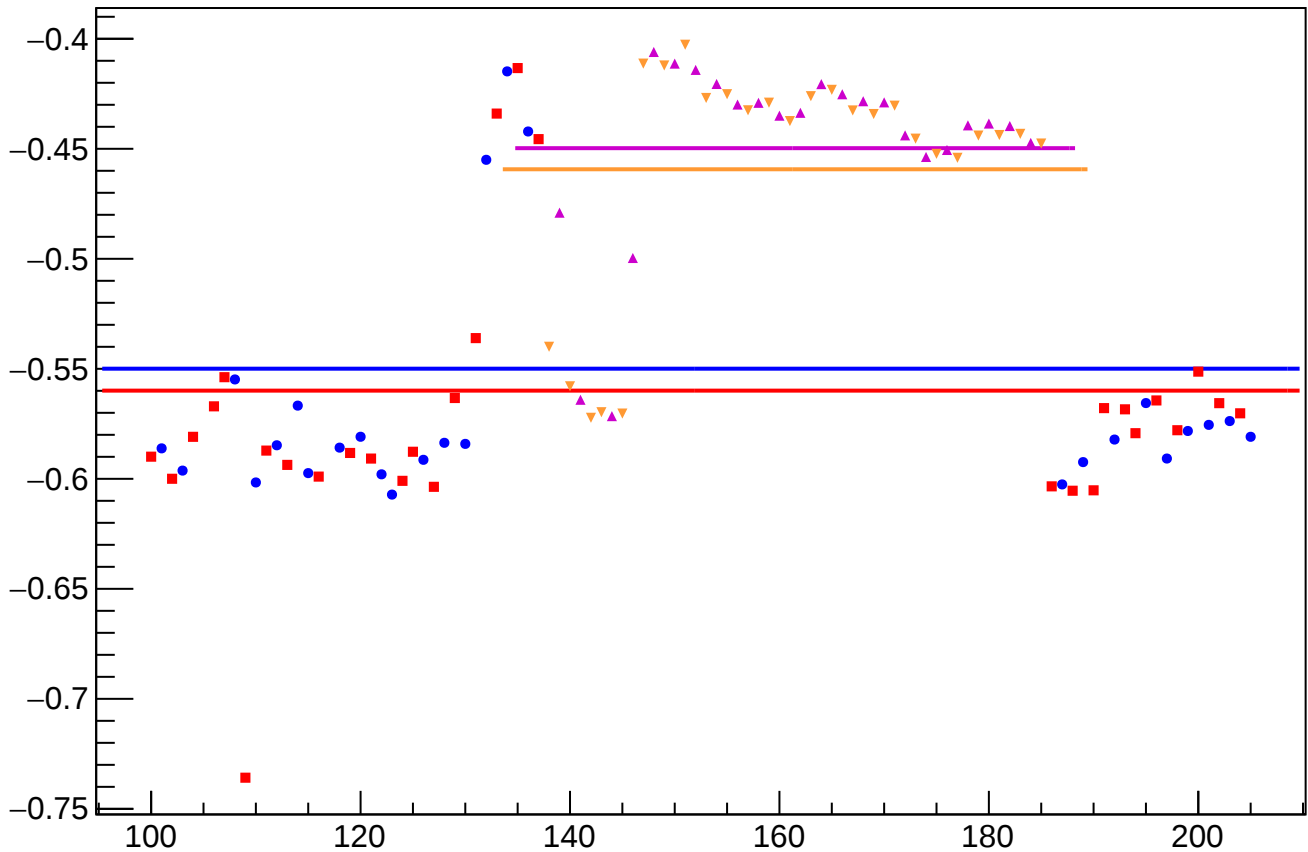
Left In: 0.001+/-0.000 χ^2/NDF : 355509.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 54635248.9/50

All: 0.000+/-0.000 χ^2/NDF : 108560196.2/103

- sign 0.000+/-0.000 χ^2/NDF : 53917116.4/52

yield_bpm4aX_mean vs Slug



Right In: -0.550 ± 0.000 $\chi^2/\text{NDF}: 48028194.2/25$

Left Out: -0.459 ± 0.000 $\chi^2/\text{NDF}: 113602161.0/24$

Right Out: -0.560 ± 0.000 $\chi^2/\text{NDF}: 65682181.2/29$

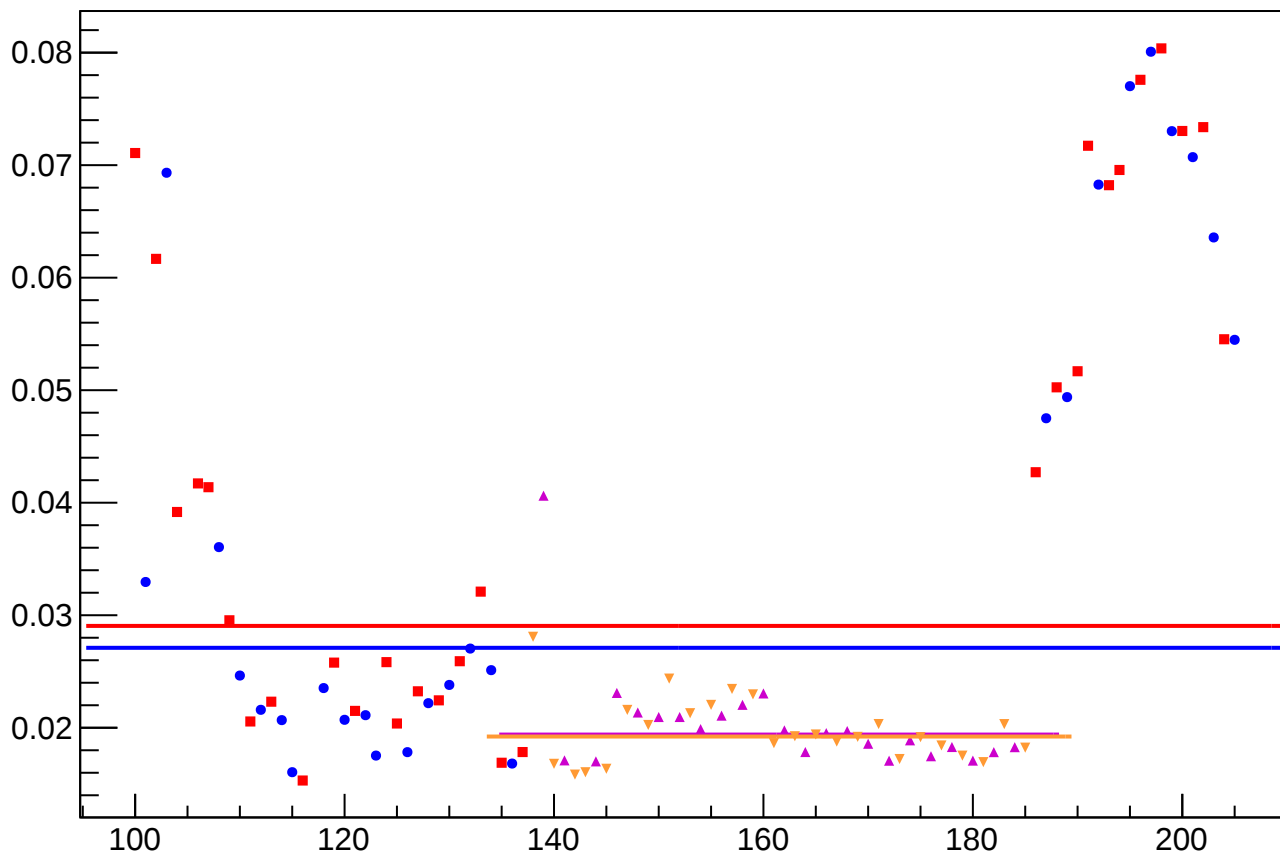
Left In: -0.450 ± 0.000 $\chi^2/\text{NDF}: 76117957.8/22$

+ sign -0.480 ± 0.000 $\chi^2/\text{NDF}: 237430462.2/50$

All: -0.478 ± 0.000 $\chi^2/\text{NDF}: 486858979.9/10$

- sign -0.476 ± 0.000 $\chi^2/\text{NDF}: 248987516.4/52$

yield_bpm4aX_rms vs Slug



Right In: 0.027+/-0.000 χ^2/NDF : 5821616.3/25

Left Out: 0.019+/-0.000 χ^2/NDF : 501711.6/24

Right Out: 0.029+/-0.000 χ^2/NDF : 6035068.7/29

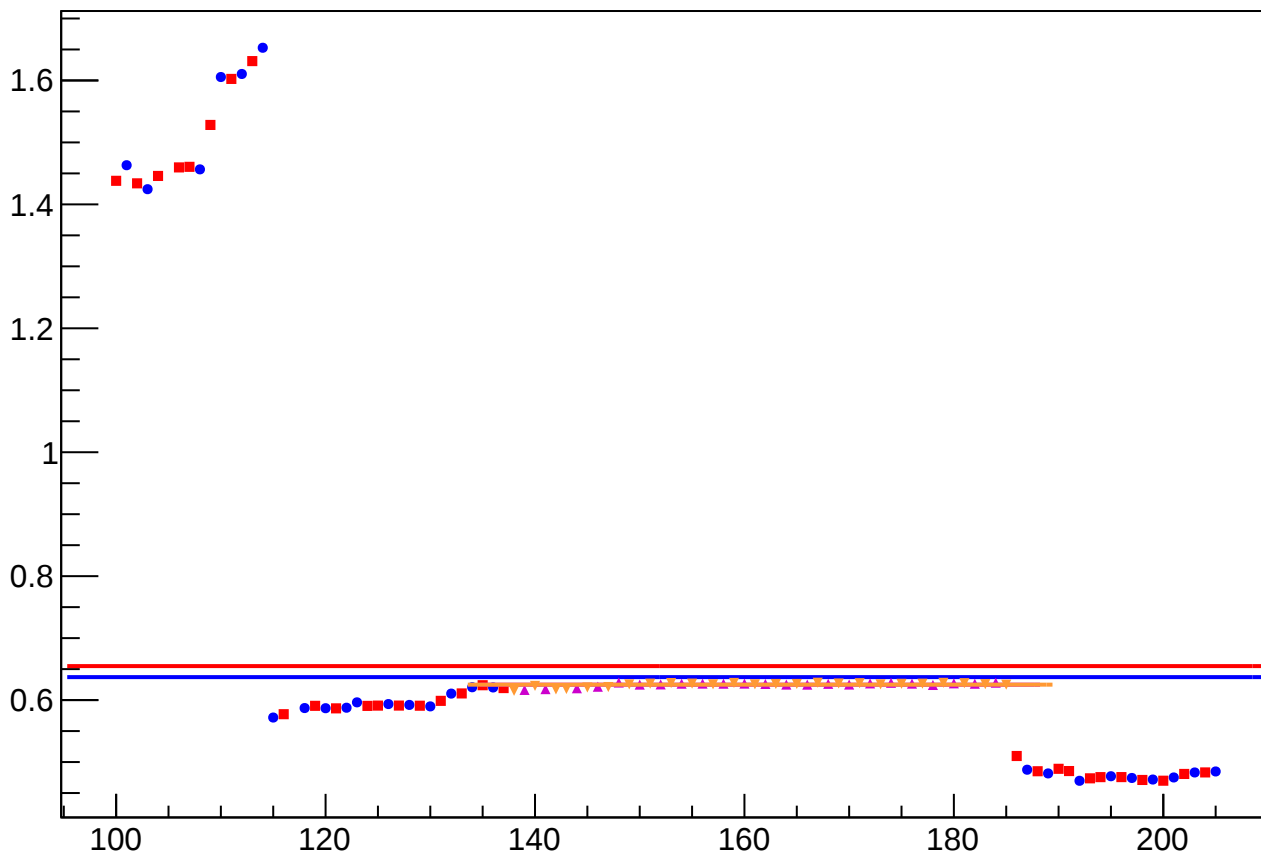
Left In: 0.019+/-0.000 χ^2/NDF : 626443.5/22

+ sign 0.021+/-0.000 χ^2/NDF : 7470842.9/50

All: 0.021+/-0.000 χ^2/NDF : 15800888.1/103

- sign 0.022+/-0.000 χ^2/NDF : 8308015.5/52

yield_bpm4aY_mean vs Slug



Right In: 0.637 $\pm$ 0.000 χ^2 /NDF: 4927782631.5/25

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1445169.1/24

Right Out: 0.655 $\pm$ 0.000 χ^2 /NDF: 5937388051.0/29

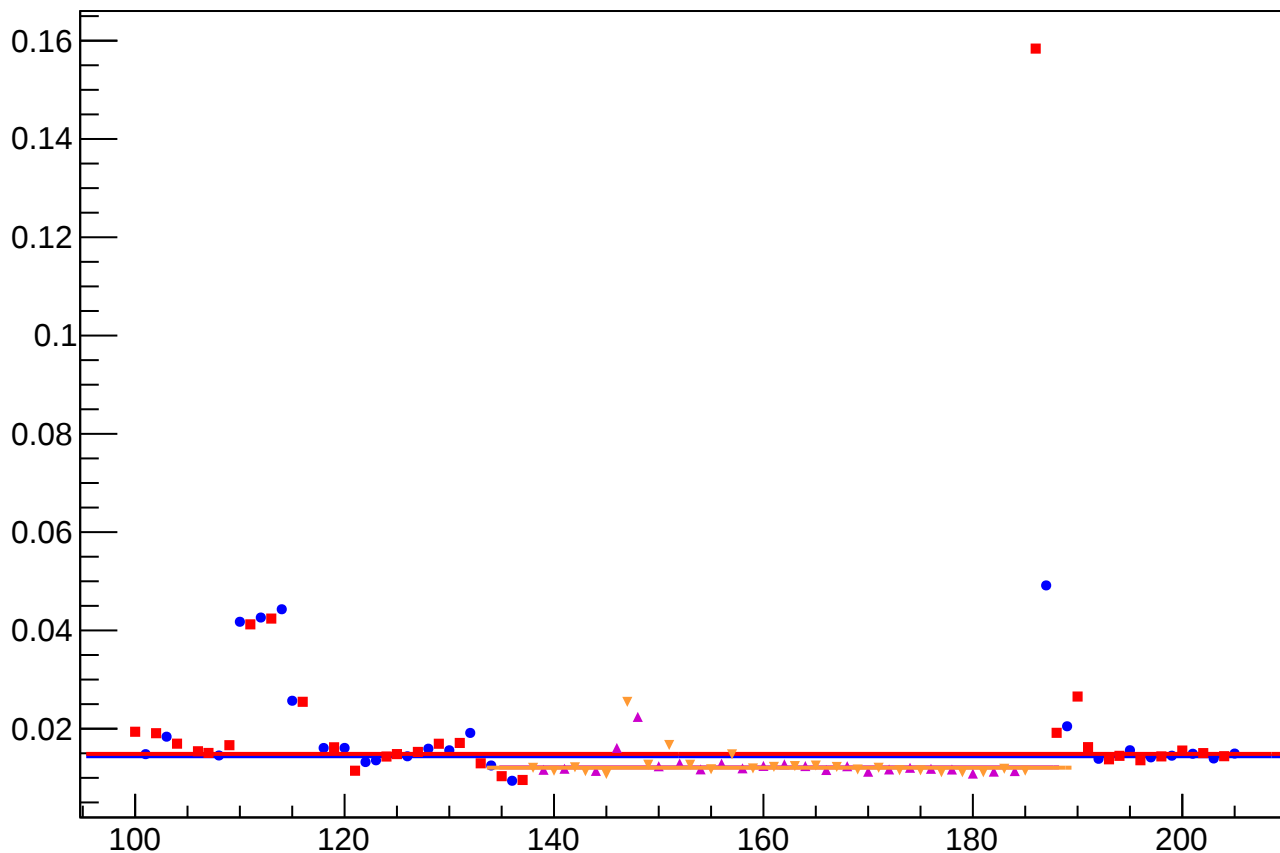
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1143954.1/22

+ sign 0.629 $\pm$ 0.000 χ^2 /NDF: 4934864857.5/50

All: 0.632 $\pm$ 0.000 χ^2 /NDF: 10910298391.5/100

- sign 0.635 $\pm$ 0.000 χ^2 /NDF: 5972312900.7/52

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1640509.6/25

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

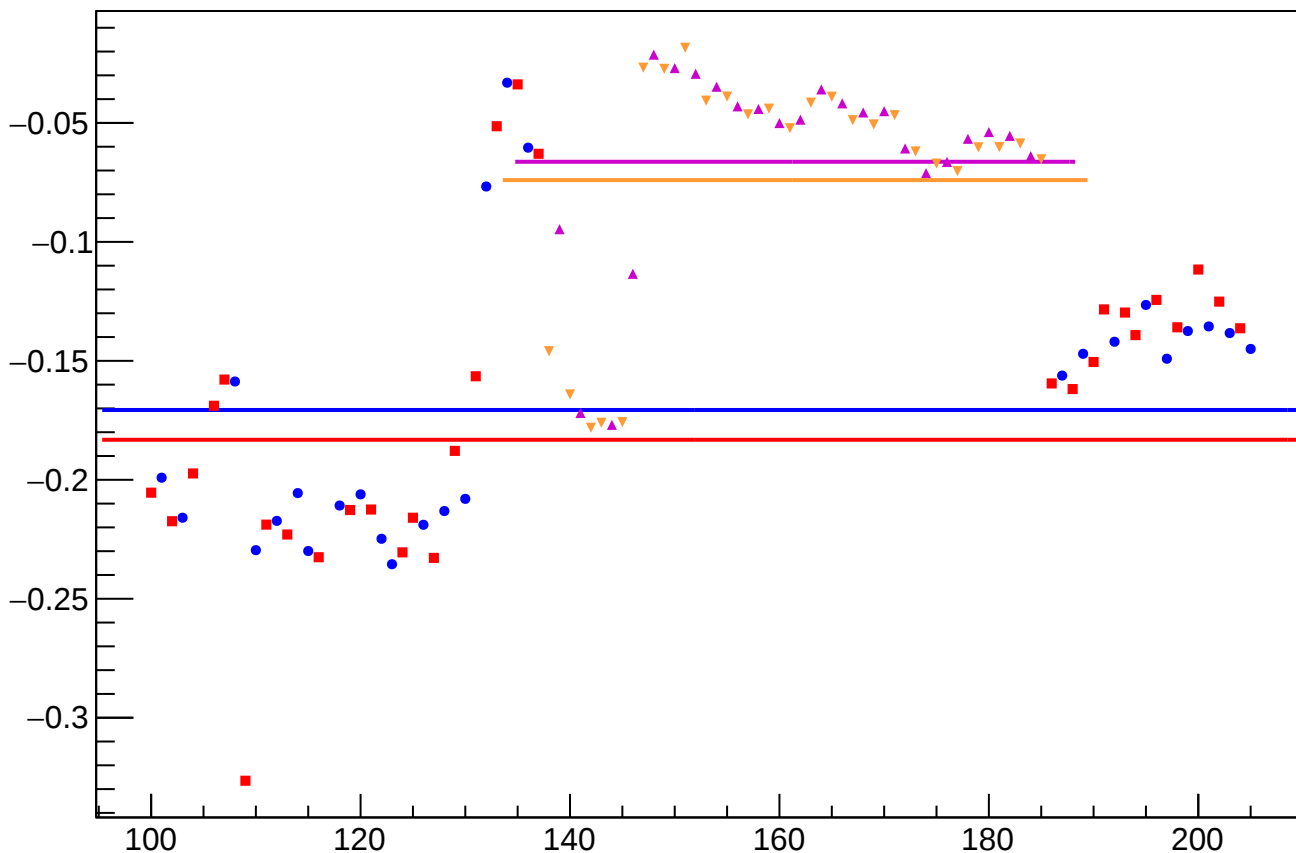
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:488363.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2712522.5/50

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5851802.0/103

- 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 : 68335067.5/25

Left Out: -0.074+/-0.000 χ^2/NDF : 107676601.9/24

Right Out: -0.183+/-0.000 χ^2/NDF : 86269099.9/29

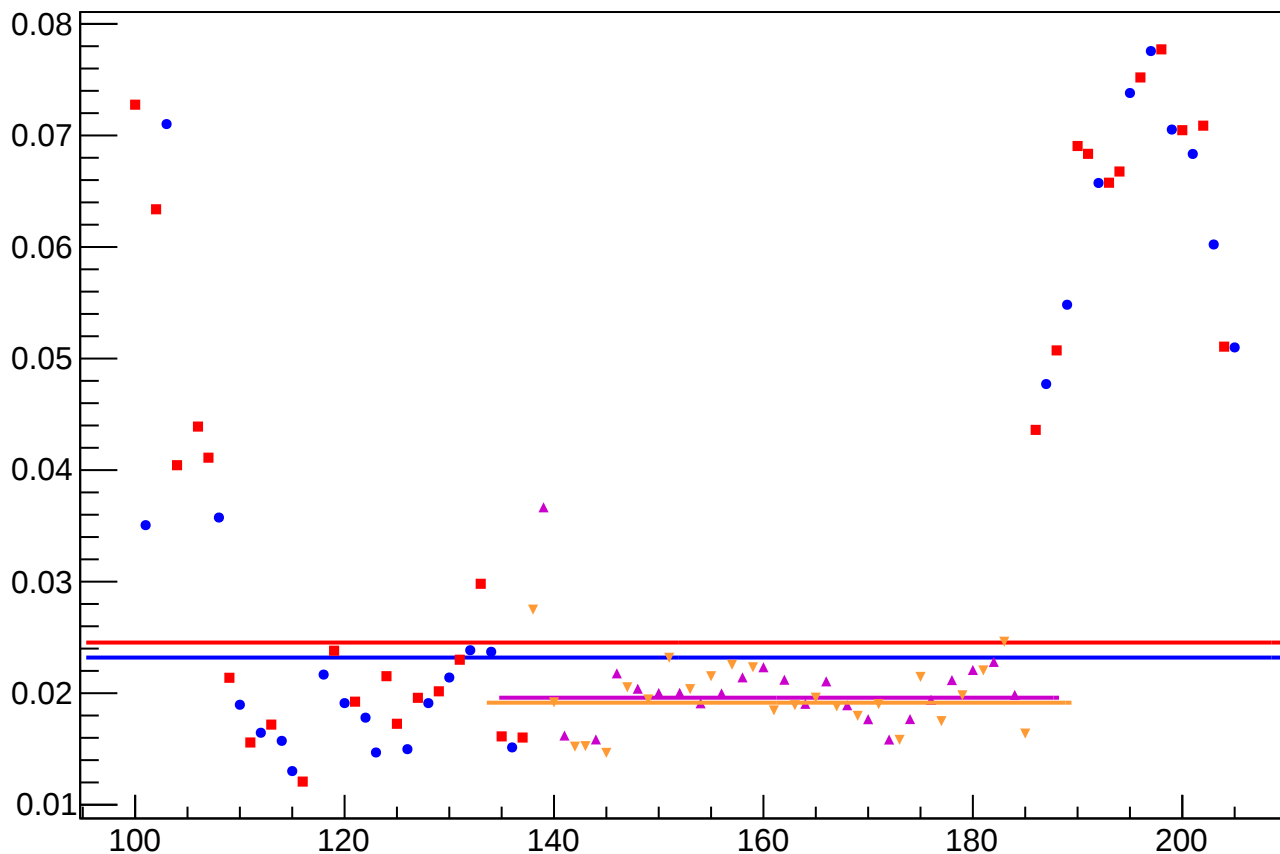
Left In: -0.066+/-0.000 χ^2/NDF : 76243051.8/22

+ sign -0.101+/-0.000 χ^2/NDF : 281303771.0/50

All: -0.100+/-0.000 χ^2/NDF : 591010521.8/10

- 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 : 6762005.0/25

Left Out: 0.019+/-0.000 χ^2/NDF : 641277.0/24

Right Out: 0.025+/-0.000 χ^2/NDF : 7332713.0/29

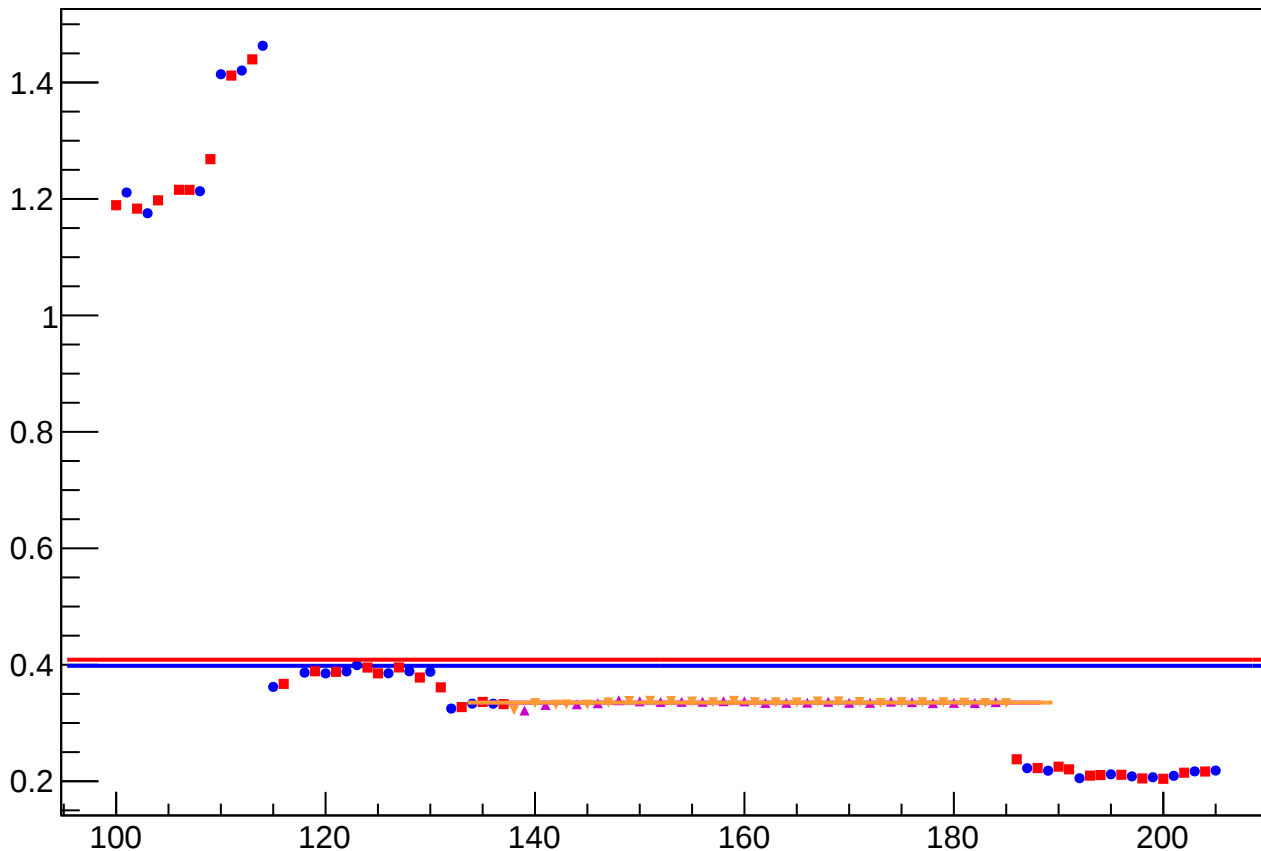
Left In: 0.020+/-0.000 χ^2/NDF : 623148.2/22

+ sign 0.020+/-0.000 χ^2/NDF : 7772421.5/50

All: 0.021+/-0.000 χ^2/NDF : 16287870.7/103

- sign 0.021+/-0.000 χ^2/NDF : 8482876.3/52

yield_bpm4eY_mean vs Slug



Right In: 0.398 $\pm$ 0.000 χ^2 /NDF: 7285017612.6/25

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

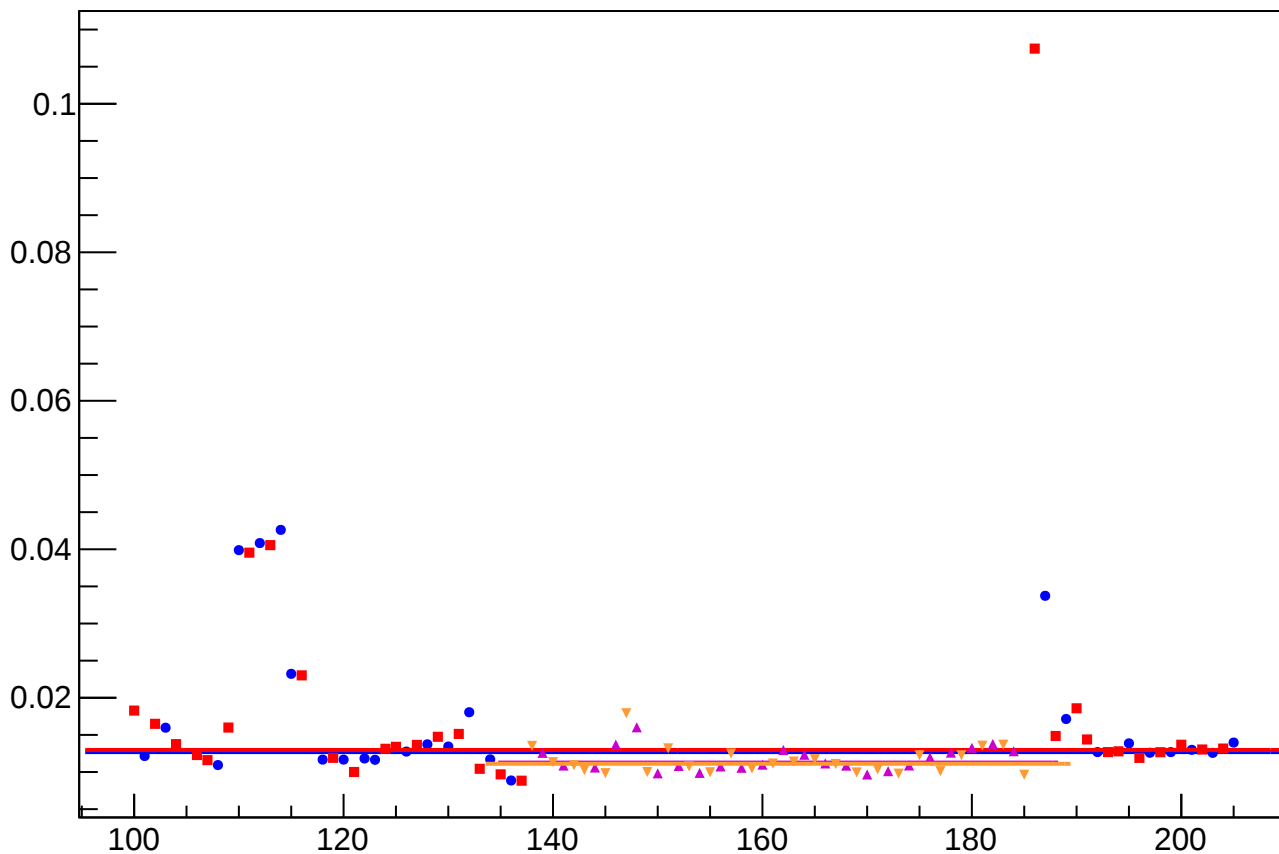
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1202194.8/22

+ sign 0.356 $\pm$ 0.000 χ^2 /NDF: 7476540934.6/50

All: 0.359 $\pm$ 0.000 χ^2 /NDF: 16116688878.2/100

- sign 0.362 $\pm$ 0.000 χ^2 /NDF: 8637272196.4/52

yield_bpm4eY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1522524.4/25

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:607532.0/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1937637.7/29

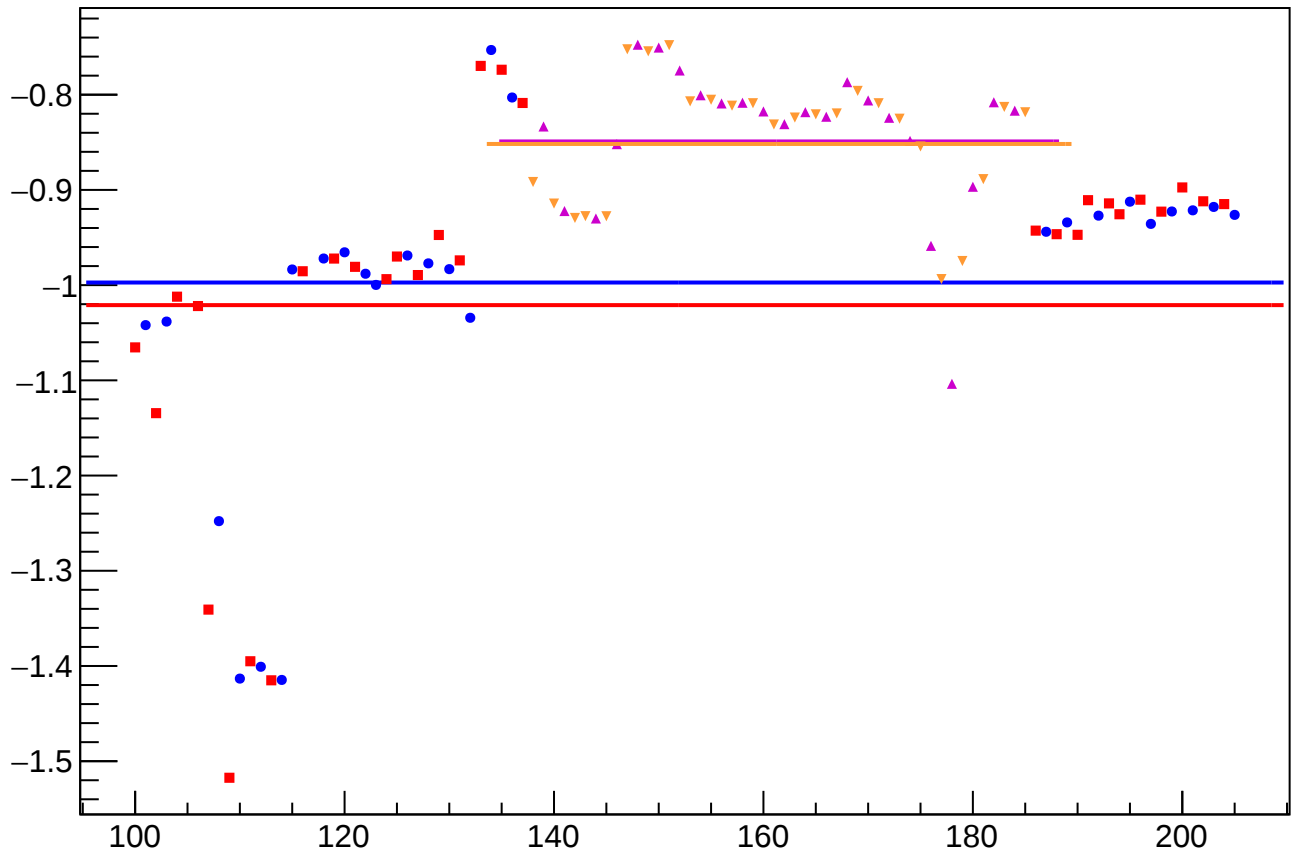
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:502455.5/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2366289.7/50

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 5090003.3/103

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2711329.5/52

yield_bpm4acX_mean vs Slug



Right In: -0.997 ± 0.000 χ^2/NDF : 402608203.8/25

Left Out: -0.852 ± 0.000 χ^2/NDF : 189103962.4/24

Right Out: -1.021 ± 0.000 χ^2/NDF : 555973861.2/29

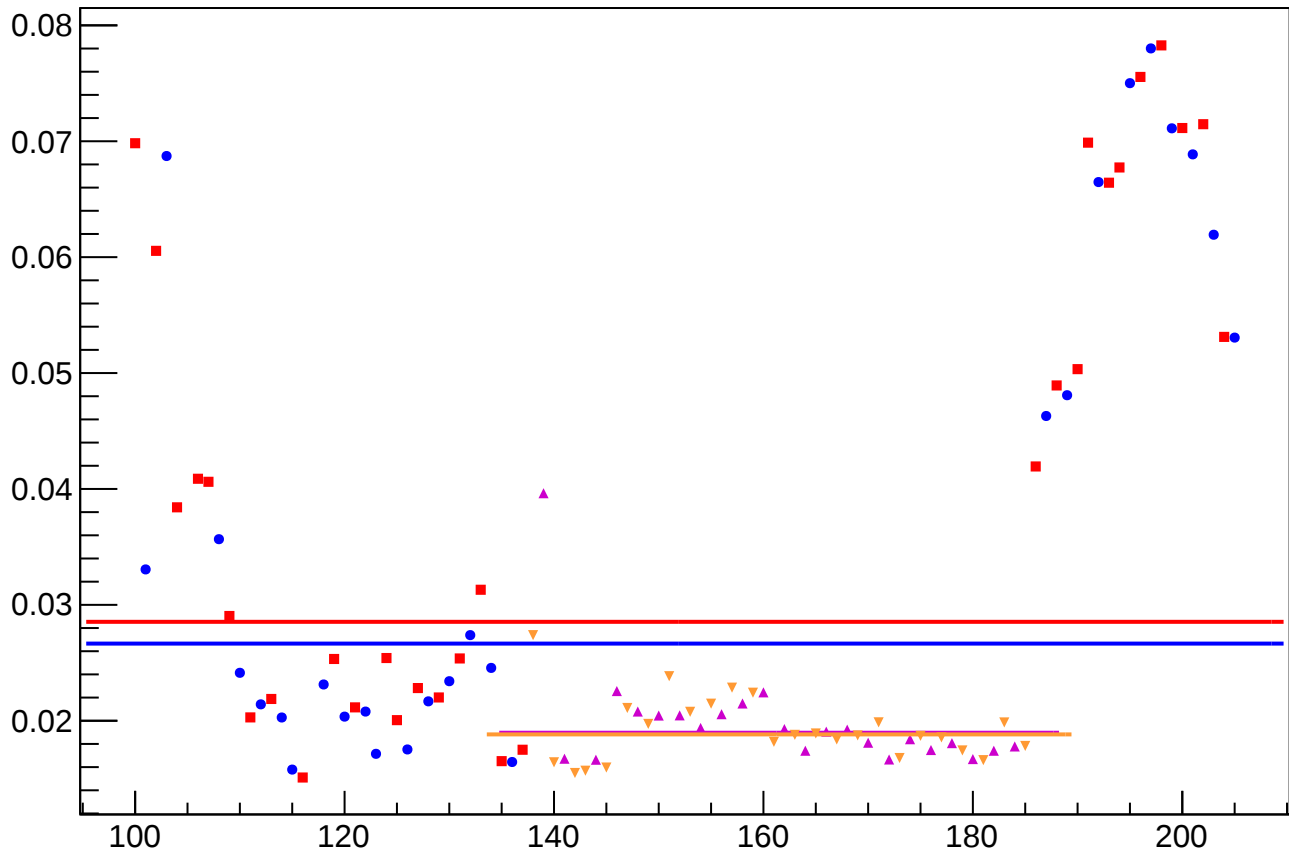
Left In: -0.849 ± 0.000 χ^2/NDF : 256391274.4/22

+ sign -0.885 ± 0.000 χ^2/NDF : 794381375.1/50

All: -0.887 ± 0.000 χ^2/NDF : 1878599736.4/1

- sign -0.890 ± 0.000 χ^2/NDF : 1083630625.4/52

yield_bpm4acX_rms vs Slug



Right In: 0.027 $\pm$ 0.000 χ^2 /NDF: 5792496.7/25

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

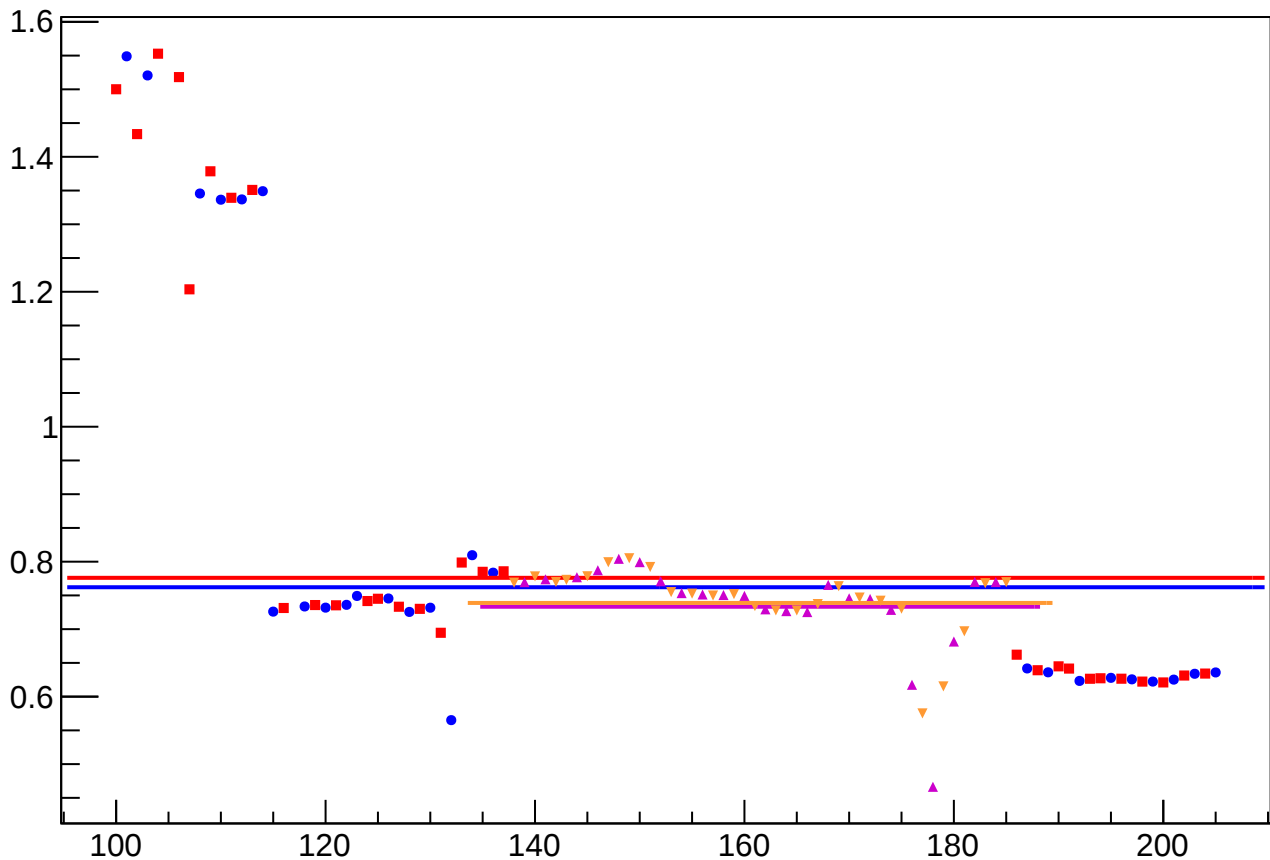
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:615173.8/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 7458100.3/50

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 15753479.8/103

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 8275470.7/52

yield_bpm4acY_mean vs Slug



Right In: 0.762 $\pm$ 0.000 χ^2 /NDF: 3374139475.5/25

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

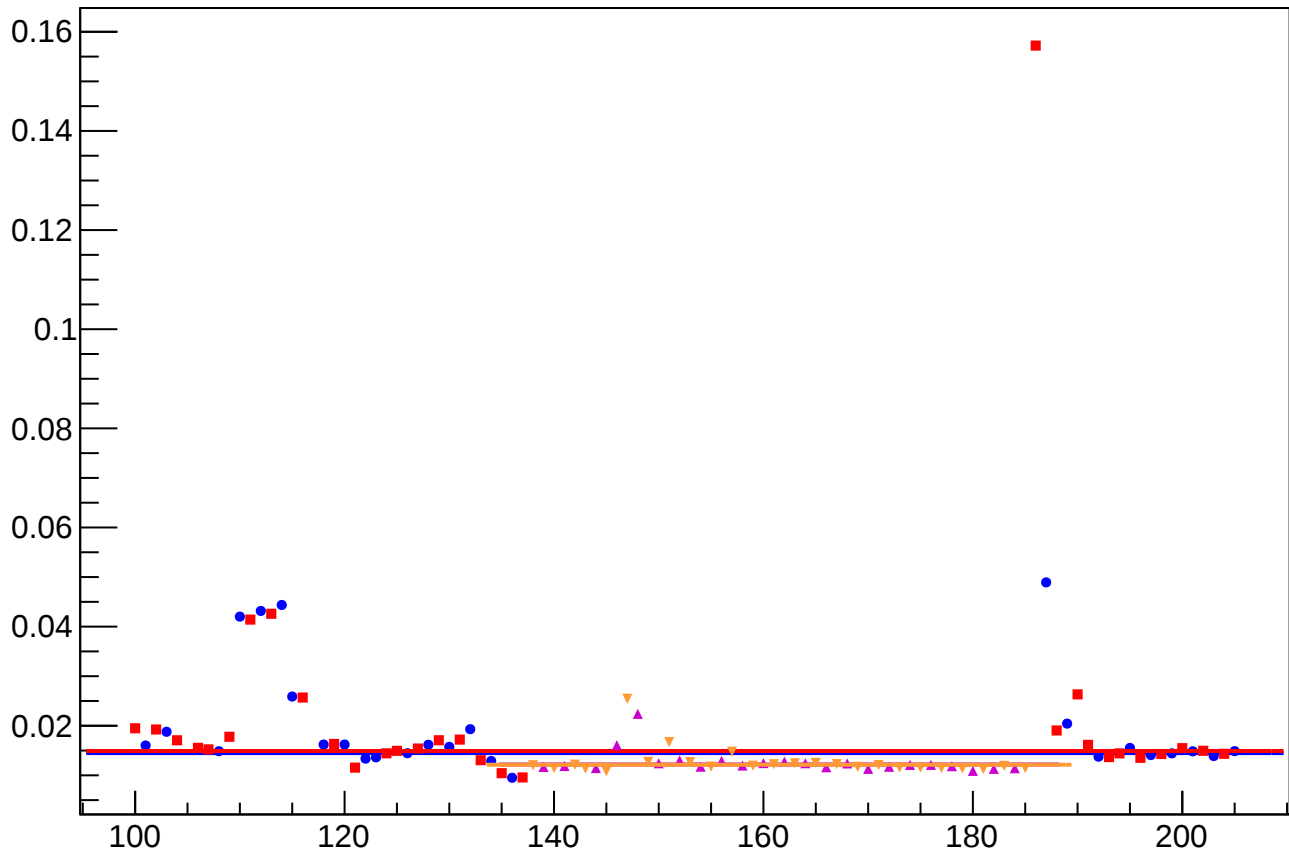
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:569611347.7/22

+ sign 0.746 $\pm$ 0.000 χ^2 /NDF: 3727528003.0/50

All: 0.747 $\pm$ 0.000 χ^2 /NDF: 8047522160.5/10

- sign 0.747 $\pm$ 0.000 χ^2 /NDF: 4319863211.2/52

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1640631.4/25

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:637986.2/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2082909.9/29

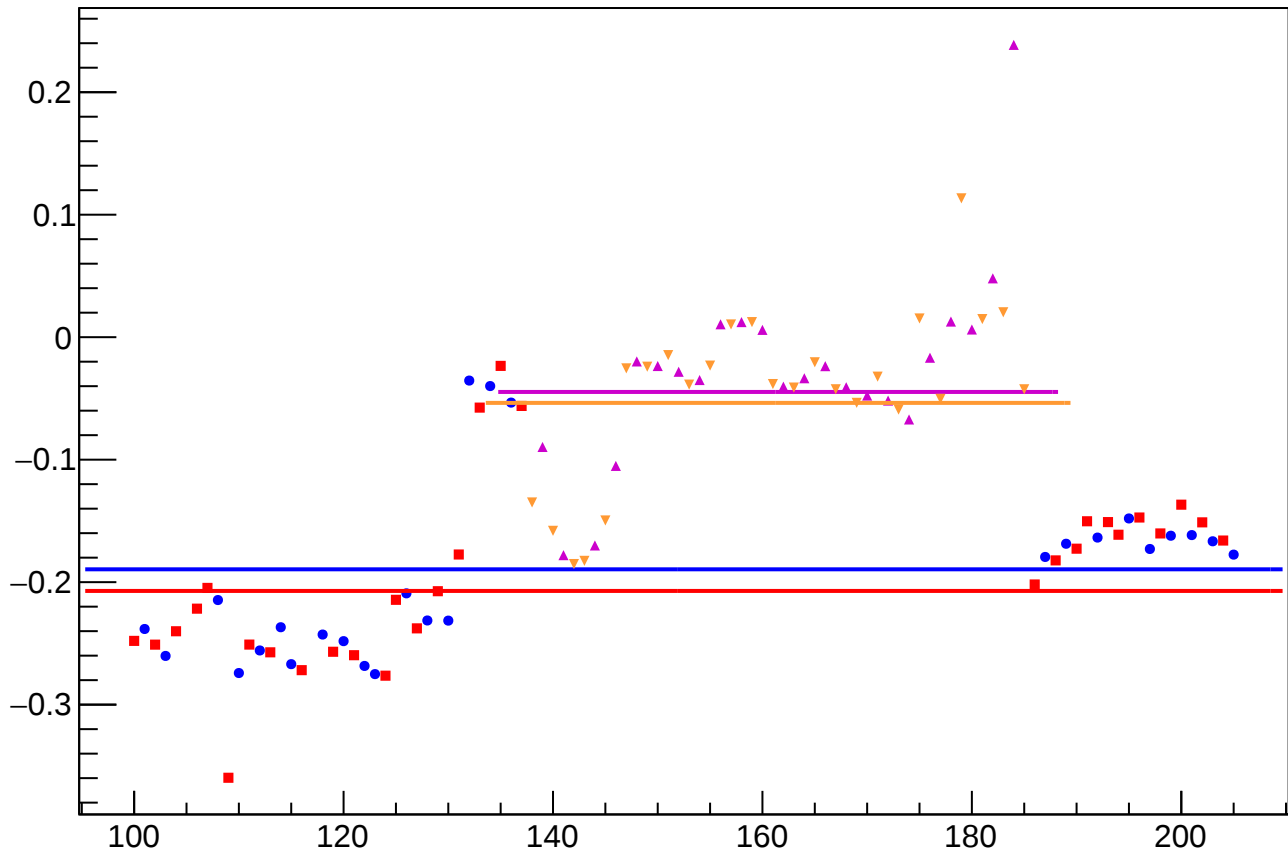
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:481830.1/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2694150.4/50

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5816485.2/103

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3114631.7/52

yield_bpm4ecX_mean vs Slug



Right In: -0.190 ± 0.000 χ^2/NDF : 107169756.0/25

Left Out: -0.054 ± 0.000 χ^2/NDF : 167834173.6/24

Right Out: -0.207 ± 0.000 χ^2/NDF : 114591558.1/29

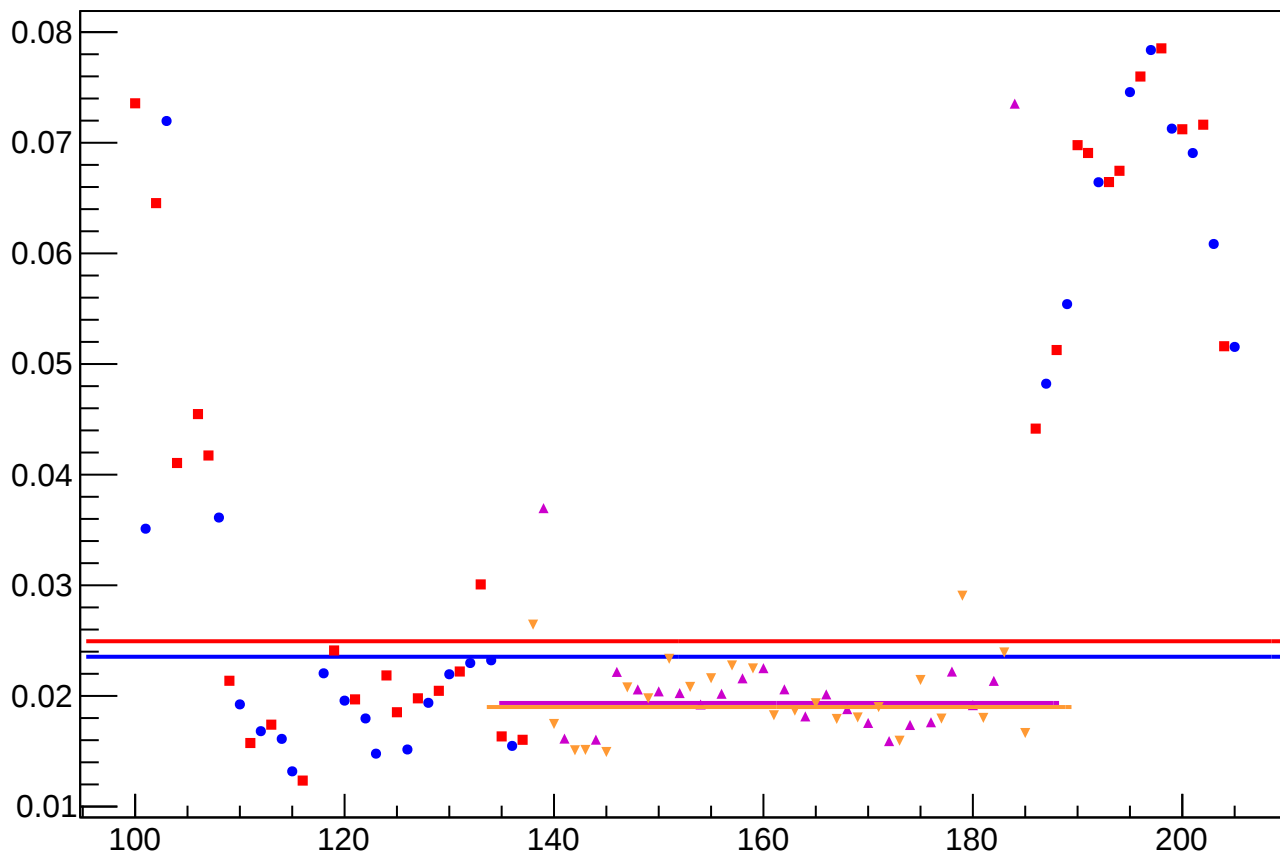
Left In: -0.045 ± 0.000 χ^2/NDF : 127192425.2/22

+ sign -0.091 ± 0.000 χ^2/NDF : 478214907.6/50

All: -0.091 ± 0.000 χ^2/NDF : 997784572.9/10

- sign -0.091 ± 0.000 χ^2/NDF : 519565063.4/52

yield_bpm4ecX_rms vs Slug



Right In: 0.024 $\pm$ 0.000 χ^2 /NDF: 6710369.5/25

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

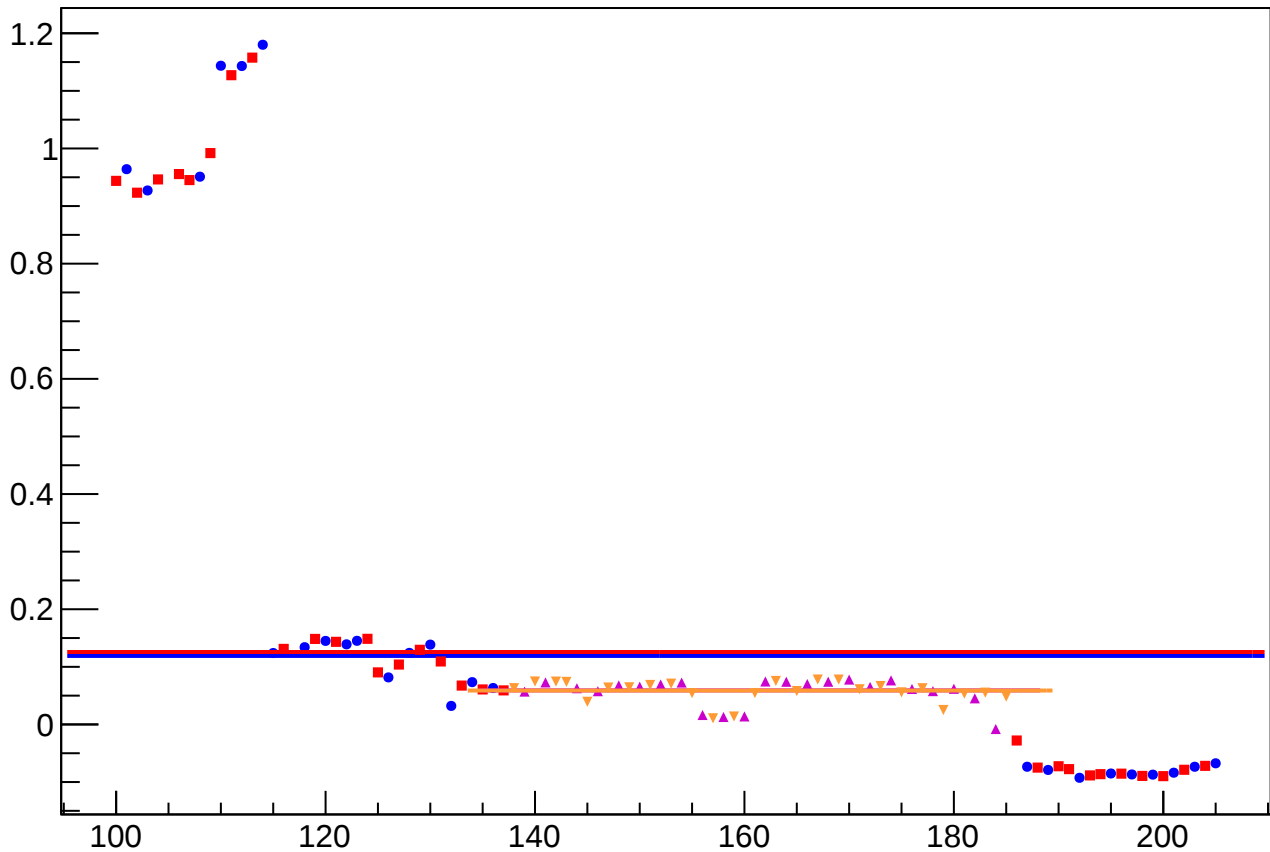
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 858216.8/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 7865327.2/50

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 16696880.7/103

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 8803604.5/52

yield_bpm4ecY_mean vs Slug



Right In: 0.119 $\pm$ 0.000 χ^2 /NDF: 7842316497.6/25

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

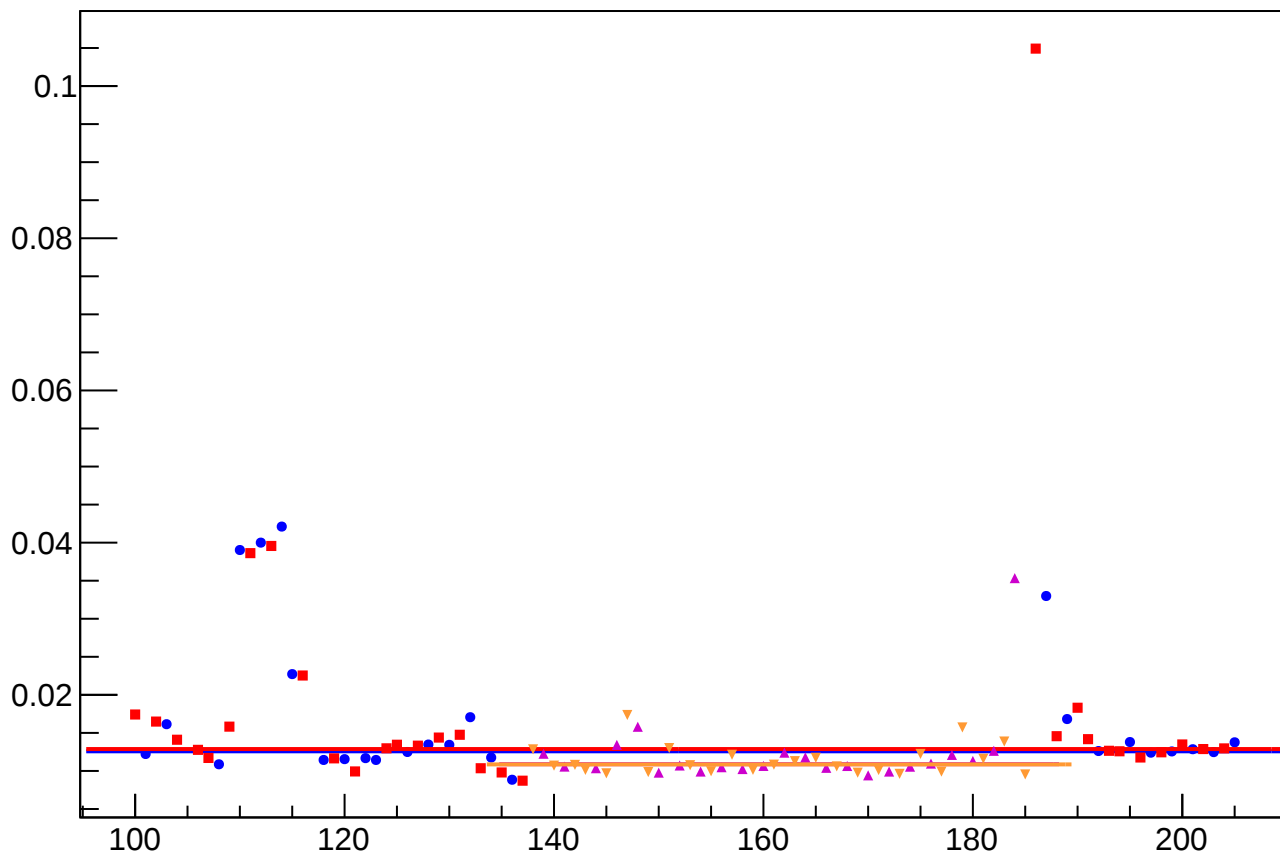
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58518655.0/22

+ sign 0.079 $\pm$ 0.000 χ^2 /NDF: 8064690215.6/50

All: 0.081 $\pm$ 0.000 χ^2 /NDF: 17157192711.9/100

- 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 : 1487353.9/25

Left Out: 0.011+/-0.000 χ^2/NDF : 604787.9/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1892989.5/29

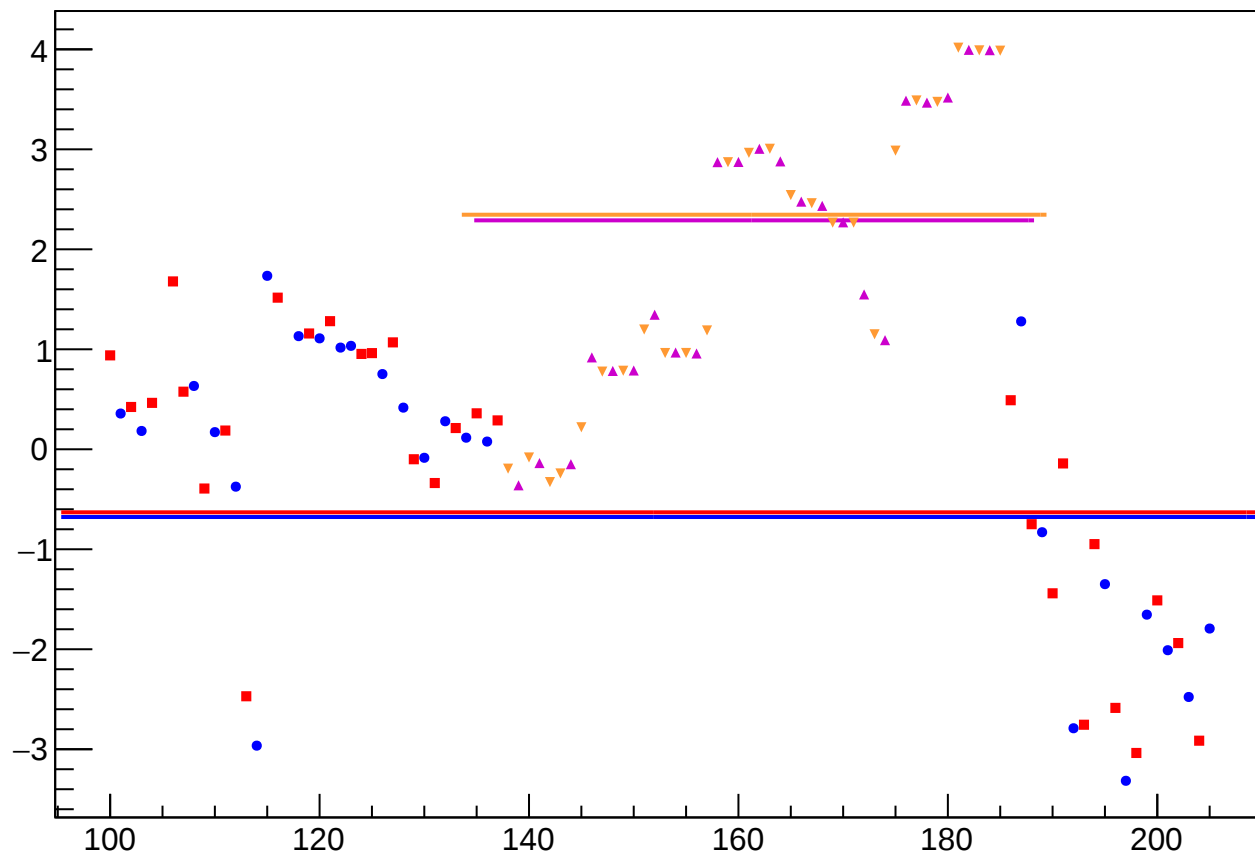
Left In: 0.011+/-0.000 χ^2/NDF : 530077.5/22

+ sign 0.011+/-0.000 χ^2/NDF : 2379819.4/50

All: 0.012+/-0.000 χ^2/NDF : 5188084.7/103

- sign 0.012+/-0.000 χ^2/NDF : 2803208.1/52

yield_bpm1X_mean vs Slug



Right In: -0.677 ± 0.000 χ^2/NDF : 5866768371.7/25

Left Out: 2.346 ± 0.000 χ^2/NDF : 63481331015.4/24

Right Out: -0.631 ± 0.000 χ^2/NDF : 7058473692.7/29

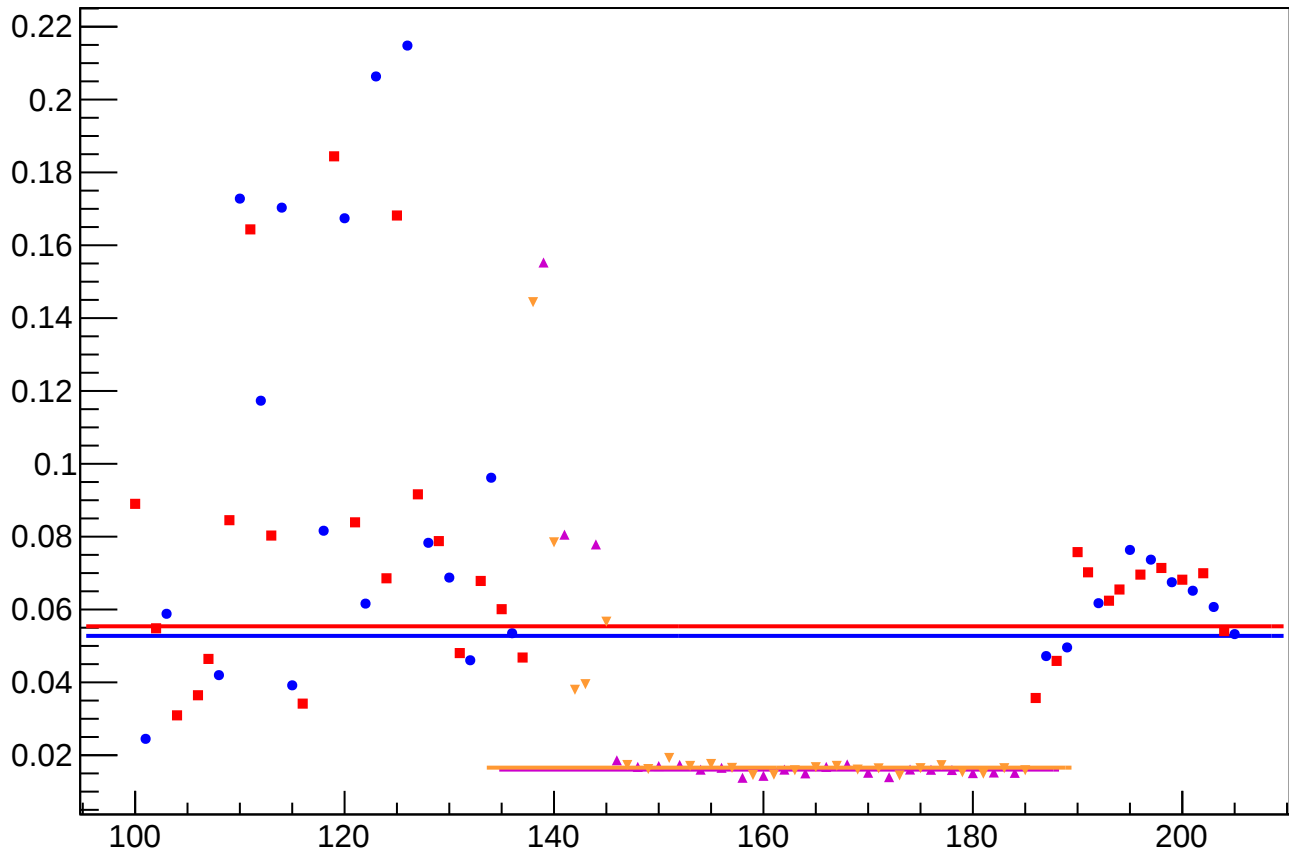
Left In: 2.290 ± 0.000 χ^2/NDF : 60875537647.3/22

+ sign 2.162 ± 0.000 χ^2/NDF : 97600071393.3/50

All: 2.135 ± 0.000 χ^2/NDF : 192965064383.3

- sign 2.109 ± 0.000 χ^2/NDF : 95286086178.3/52

yield_bpm1X_rms vs Slug



Right In: 0.053 $\pm$ 0.000 χ^2 /NDF: 3499898.2/25

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2621162.1/24

Right Out: 0.055 $\pm$ 0.000 χ^2 /NDF: 2836350.2/29

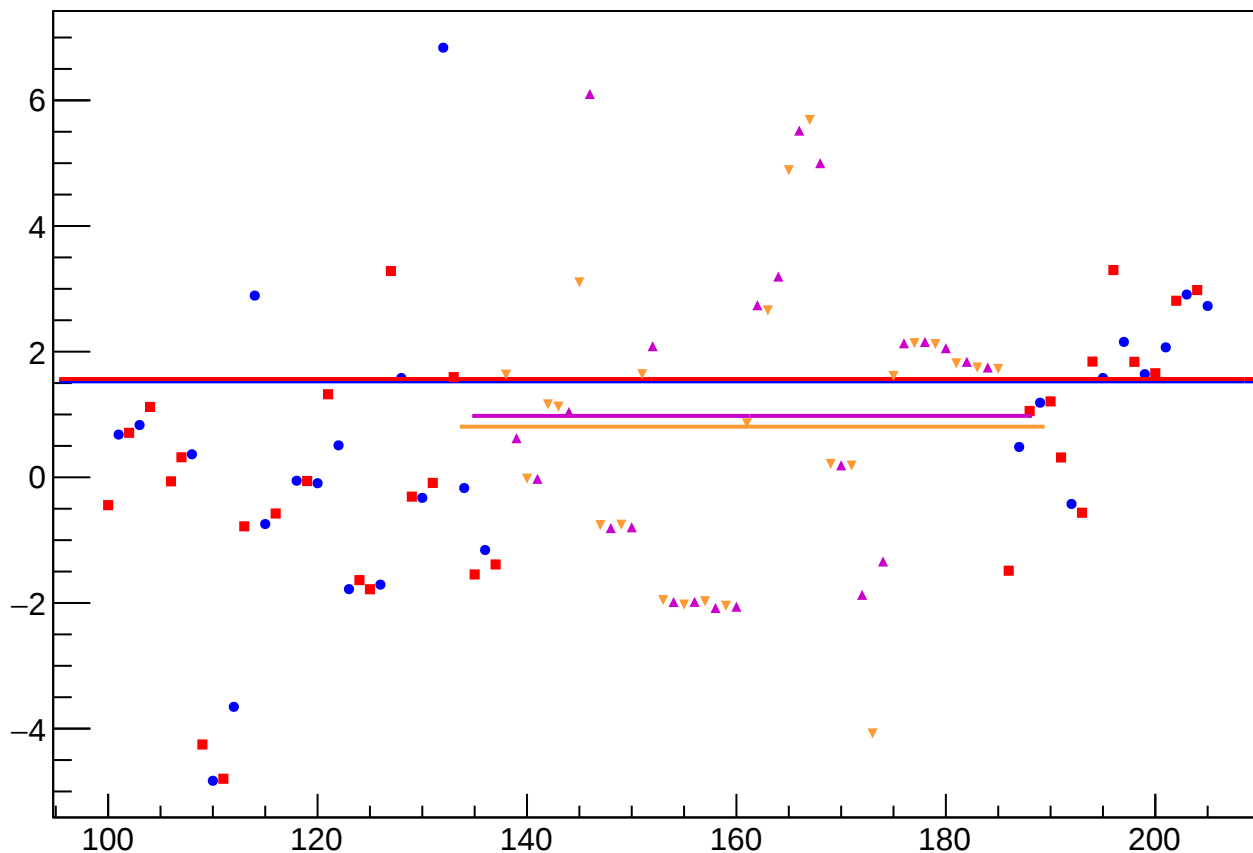
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2394376.5/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 14209032.9/50

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 29375394.8/103

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 15161493.8/52

yield_bpm1Y_mean vs Slug



Right In: 1.528+/-0.000 χ^2/NDF : 30159757507.5/25

Left Out: 0.806+/-0.000 χ^2/NDF : 507578952196.2/24

Right Out: 1.565+/-0.000 χ^2/NDF : 31507993717.0/29

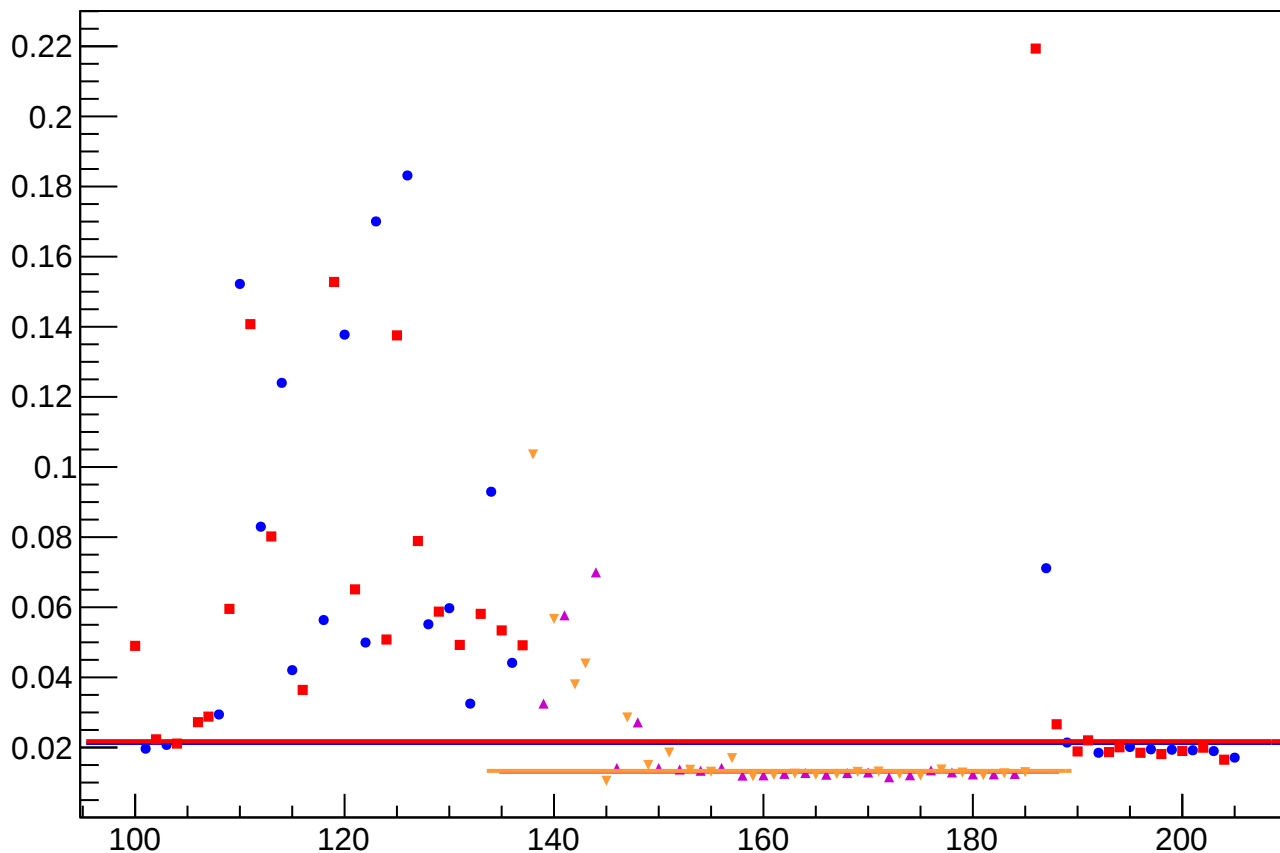
Left In: 0.977+/-0.000 χ^2/NDF : 568209676597.4/22

+ sign 0.935+/-0.000 χ^2/NDF : 545666459576.1/50

All: 1.010+/-0.000 χ^2/NDF : 1151919208544.

- sign 1.085+/-0.000 χ^2/NDF : 605093851794.4/52

yield_bpm1Y_rms vs Slug



Right In: 0.021 ± 0.000 χ^2/NDF : 3875349.5/25

Left Out: 0.013 ± 0.000 χ^2/NDF : 2829753.9/24

Right Out: 0.022 ± 0.000 χ^2/NDF : 4917339.4/29

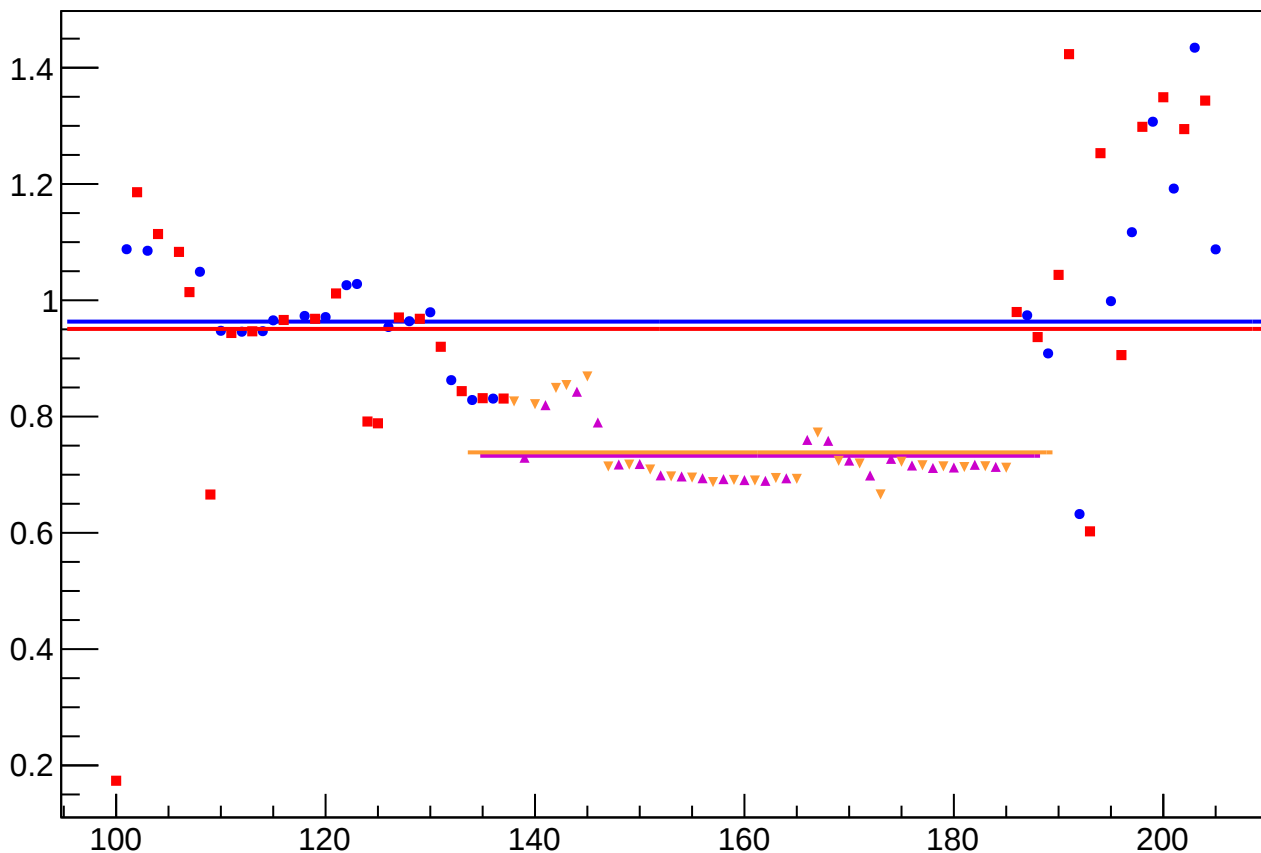
Left In: 0.013 ± 0.000 χ^2/NDF : 1946693.6/22

+ sign 0.015 ± 0.000 χ^2/NDF : 8631192.1/50

All: 0.015 ± 0.000 χ^2/NDF : 17843421.2/103

- sign 0.015 ± 0.000 χ^2/NDF : 9212067.5/52

yield_bpm11X_mean vs Slug



Right In: 0.963 $\pm$ 0.000 χ^2 /NDF: 576630257.9/25

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

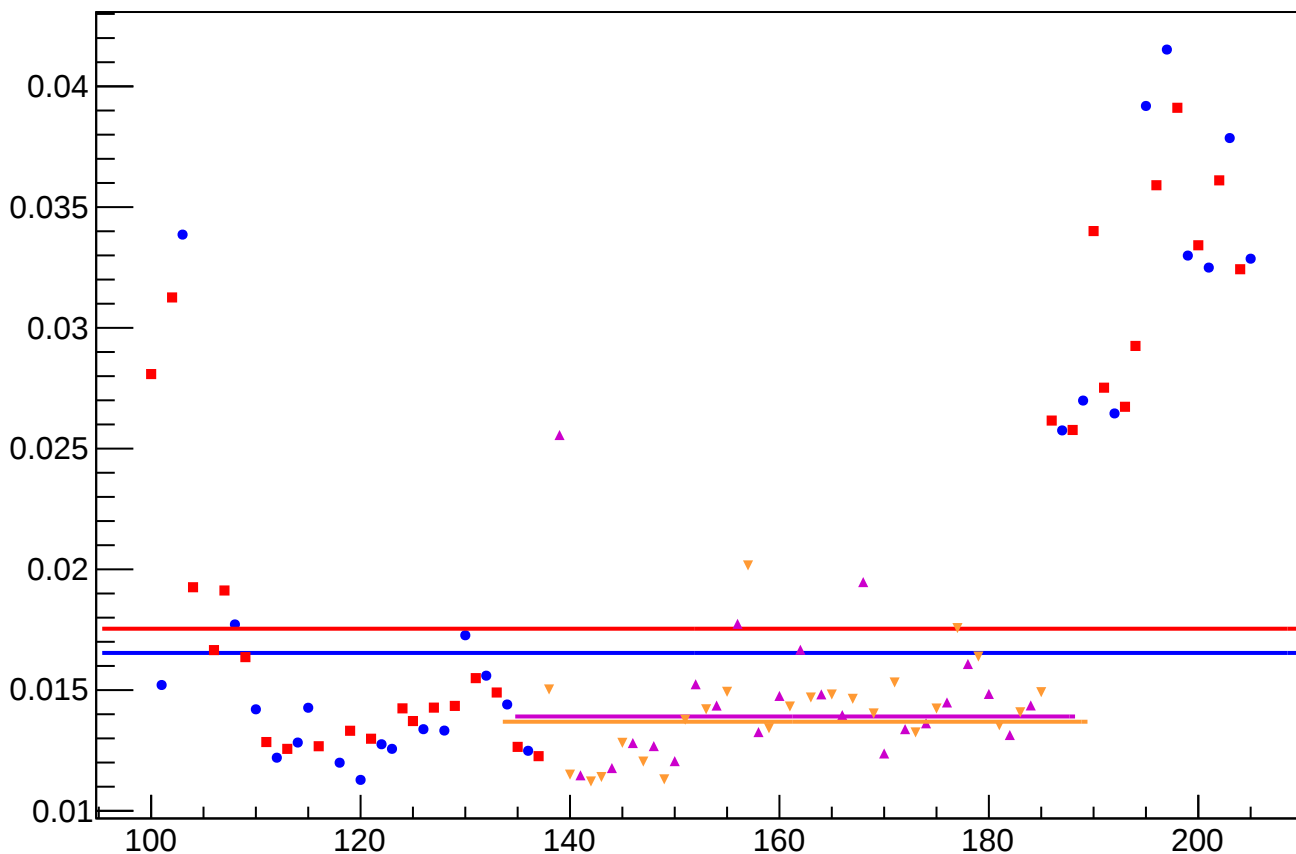
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:170102394.7/22

+ sign 0.805 $\pm$ 0.000 χ^2 /NDF: 2183361127.2/50

All: 0.803 $\pm$ 0.000 χ^2 /NDF: 4539194864.3/10

- sign 0.801 $\pm$ 0.000 χ^2 /NDF: 2354711244.3/52

yield_bpm11X_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF : 4019984.8/25

Left Out: 0.014+/-0.000 χ^2/NDF :528480.6/24

Right Out: 0.018+/-0.000 χ^2/NDF : 3702664.7/29

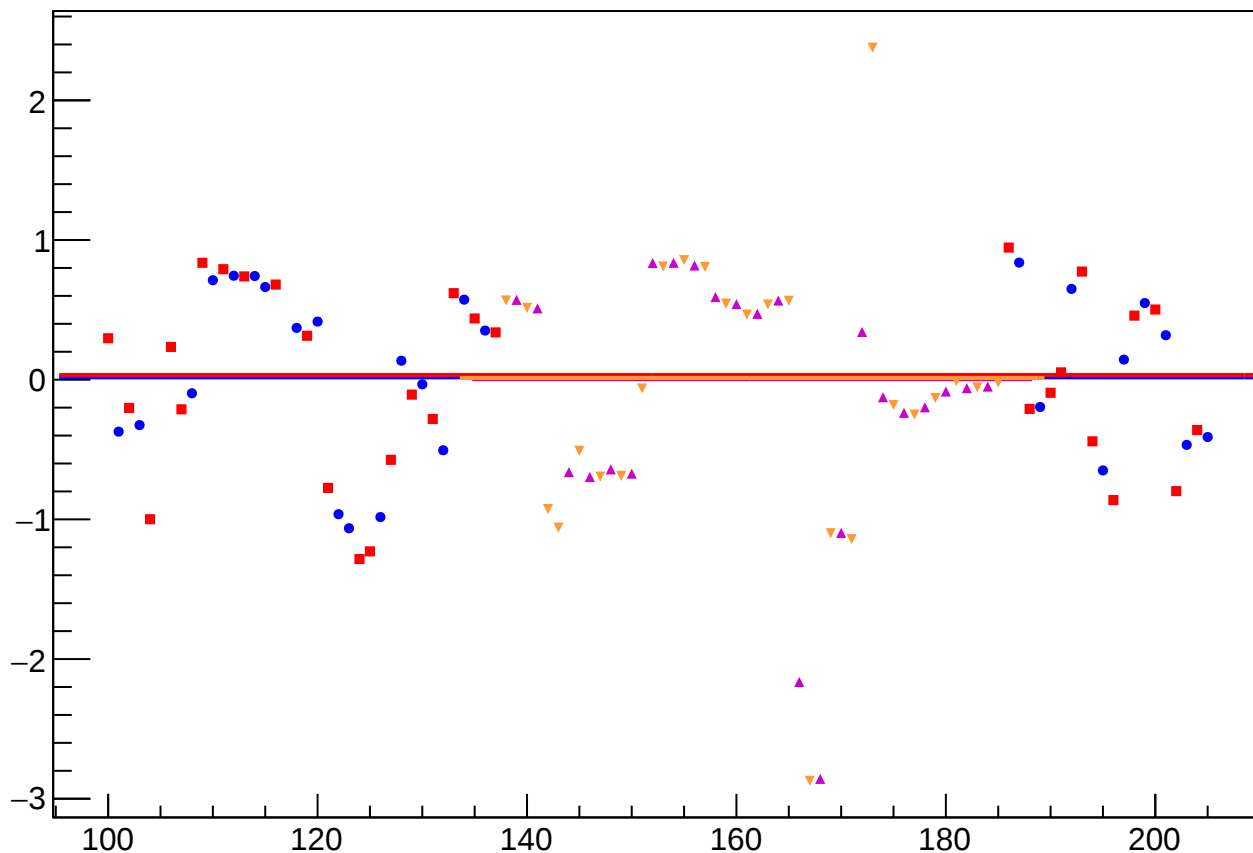
Left In: 0.014+/-0.000 χ^2/NDF :768161.9/22

+ sign 0.015+/-0.000 χ^2/NDF : 4964381.1/50

All: 0.015+/-0.000 χ^2/NDF : 10126114.9/103

- sign 0.015+/-0.000 χ^2/NDF : 5130844.7/52

yield_bpm11Y_mean vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 17918212385.1/25

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

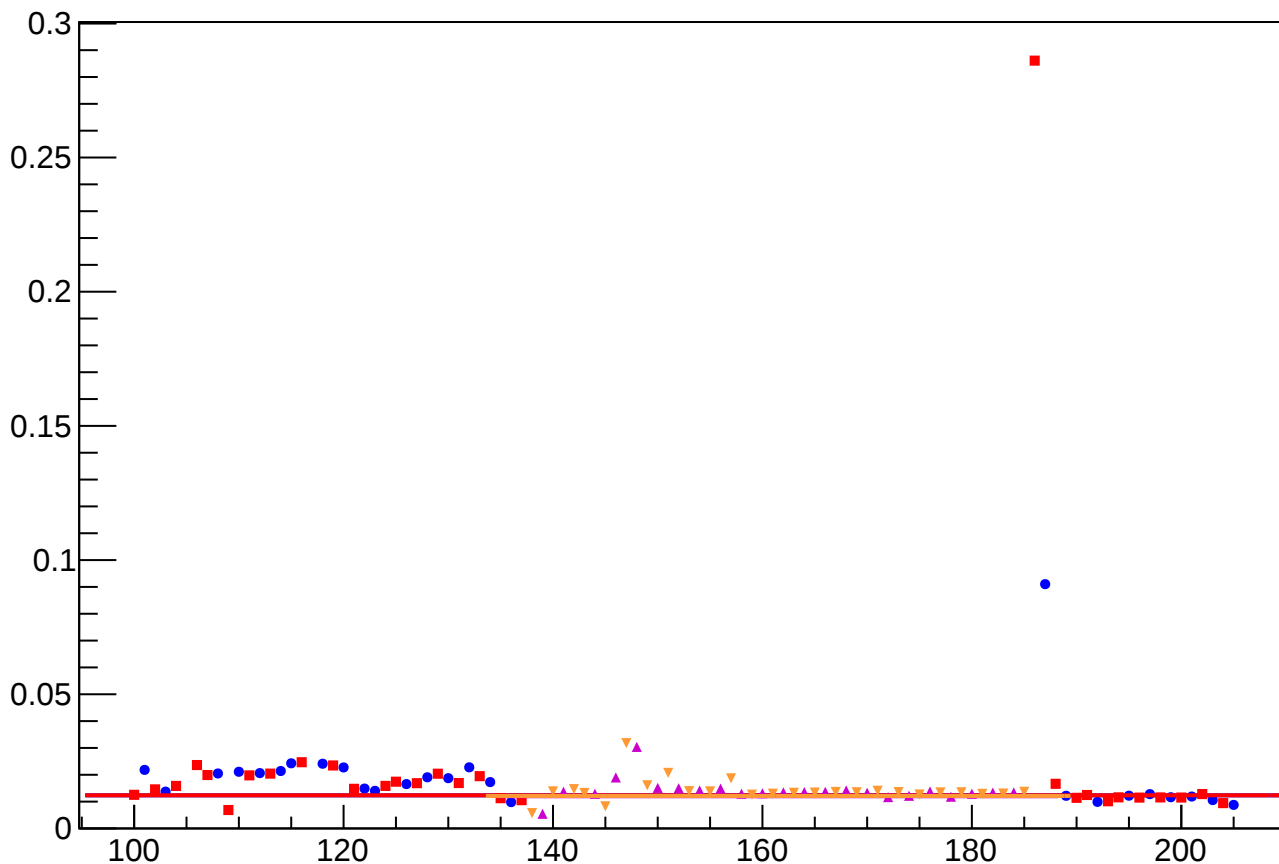
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 78826489573.0/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 114302899298.9/50

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 221338959033.7

- sign 0.016 $\pm$ 0.000 χ^2 /NDF: 107035775681.5/52

yield_bpm11Y_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2233042.7/25

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

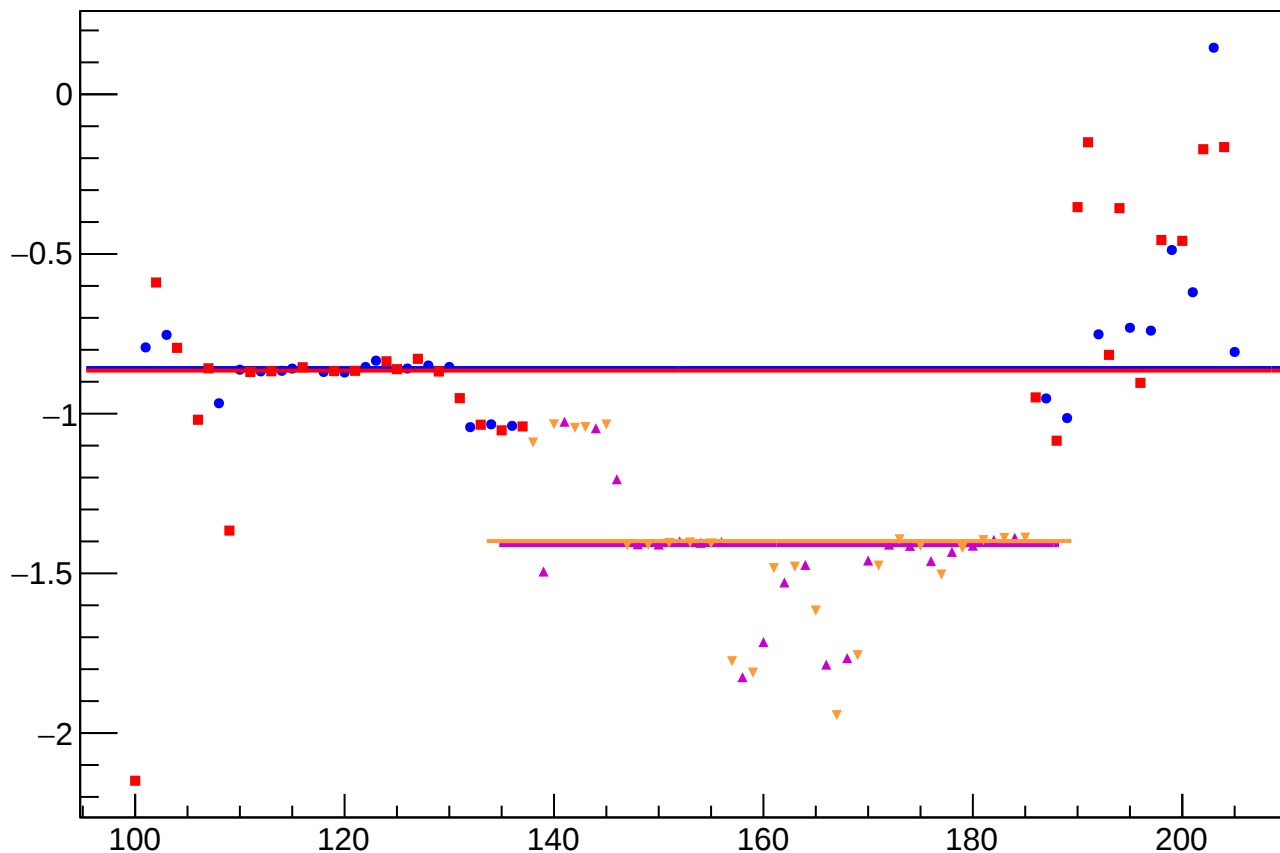
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3003502.9/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5342778.5/50

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 11013168.2/103

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5669929.7/52

yield_bpm12X_mean vs Slug



Right In: -0.857 ± 0.000 χ^2/NDF : 170215323.7/25

Left Out: -1.399 ± 0.000 χ^2/NDF : 738251911.1/24

Right Out: -0.865 ± 0.000 χ^2/NDF : 368270105.8/29

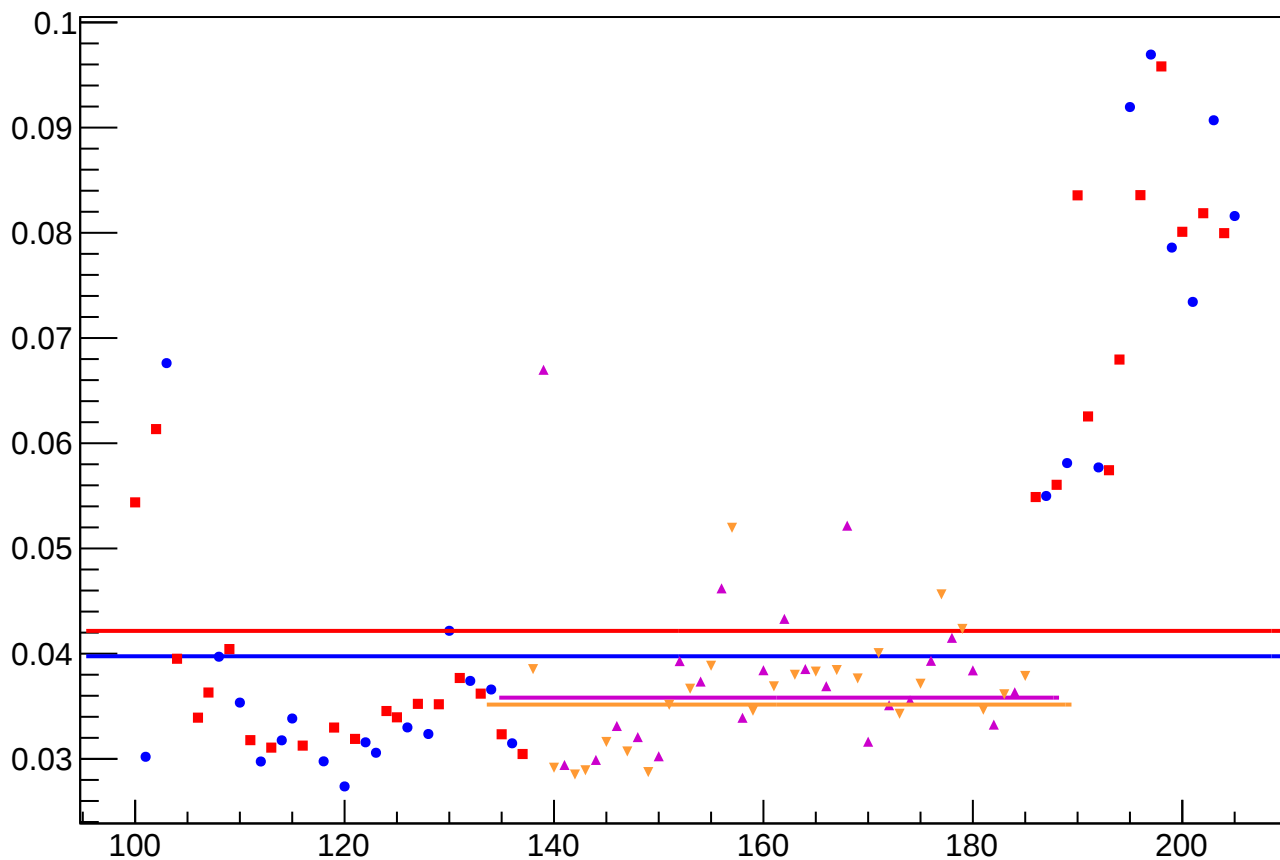
Left In: -1.411 ± 0.000 χ^2/NDF : 512547995.0/22

+ sign -1.219 ± 0.000 χ^2/NDF : 2168614193.7/50

All: -1.220 ± 0.000 χ^2/NDF : 4292642983.6/1

- sign -1.220 ± 0.000 χ^2/NDF : 2124020843.9/52

yield_bpm12X_rms vs Slug



Right In: 0.040 ± 0.000 χ^2/NDF : 3678131.7/25

Left Out: 0.035 ± 0.000 χ^2/NDF : 595219.5/24

Right Out: 0.042 ± 0.000 χ^2/NDF : 3204520.6/29

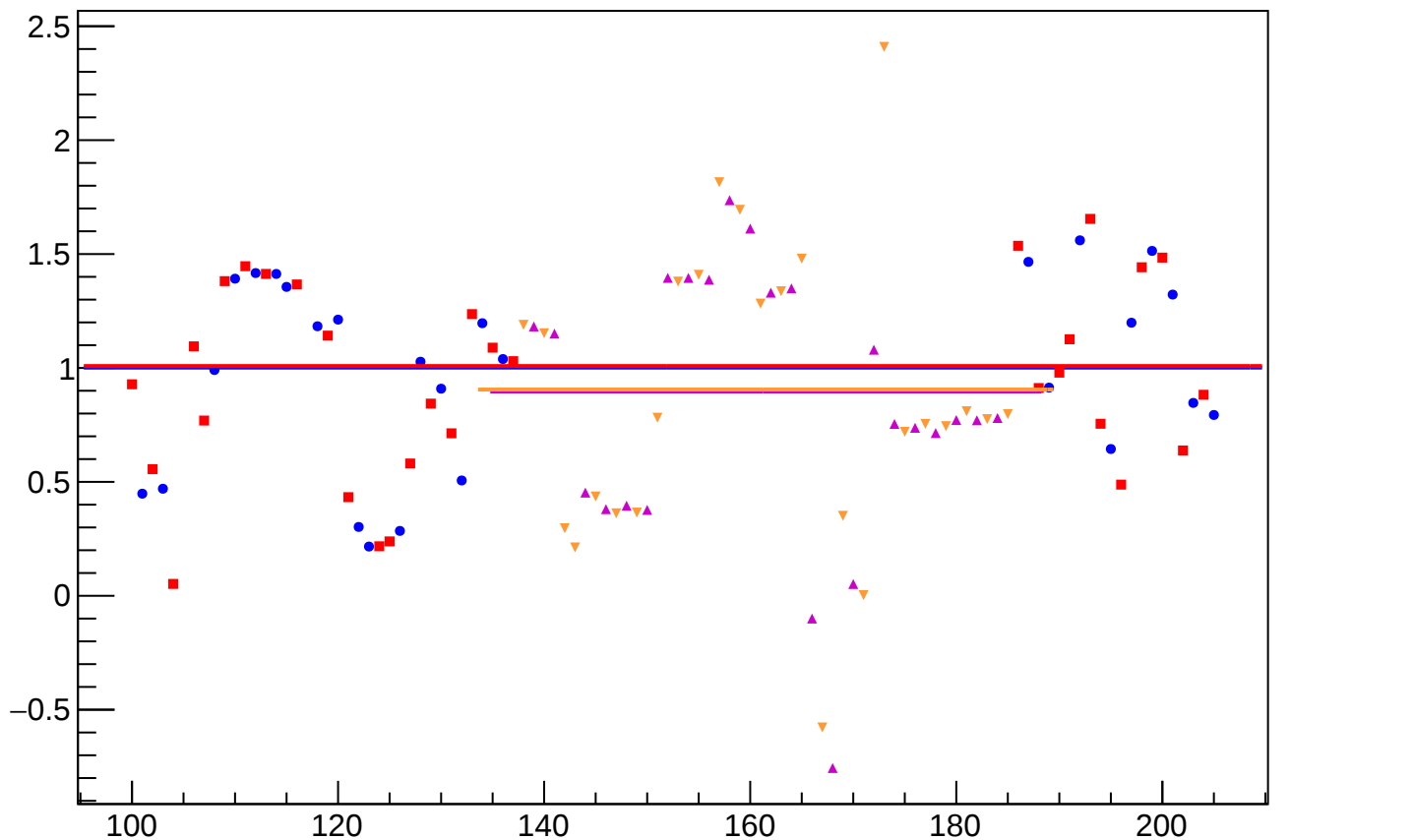
Left In: 0.036 ± 0.000 χ^2/NDF : 864147.6/22

+ sign 0.037 ± 0.000 χ^2/NDF : 4454529.4/50

All: 0.037 ± 0.000 χ^2/NDF : 8893247.2/103

- sign 0.038 ± 0.000 χ^2/NDF : 4404013.4/52

yield_bpm12Y_mean vs Slug



Right In: 1.002 $\pm$ 0.000 χ^2 /NDF: 20491208723.2/25

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

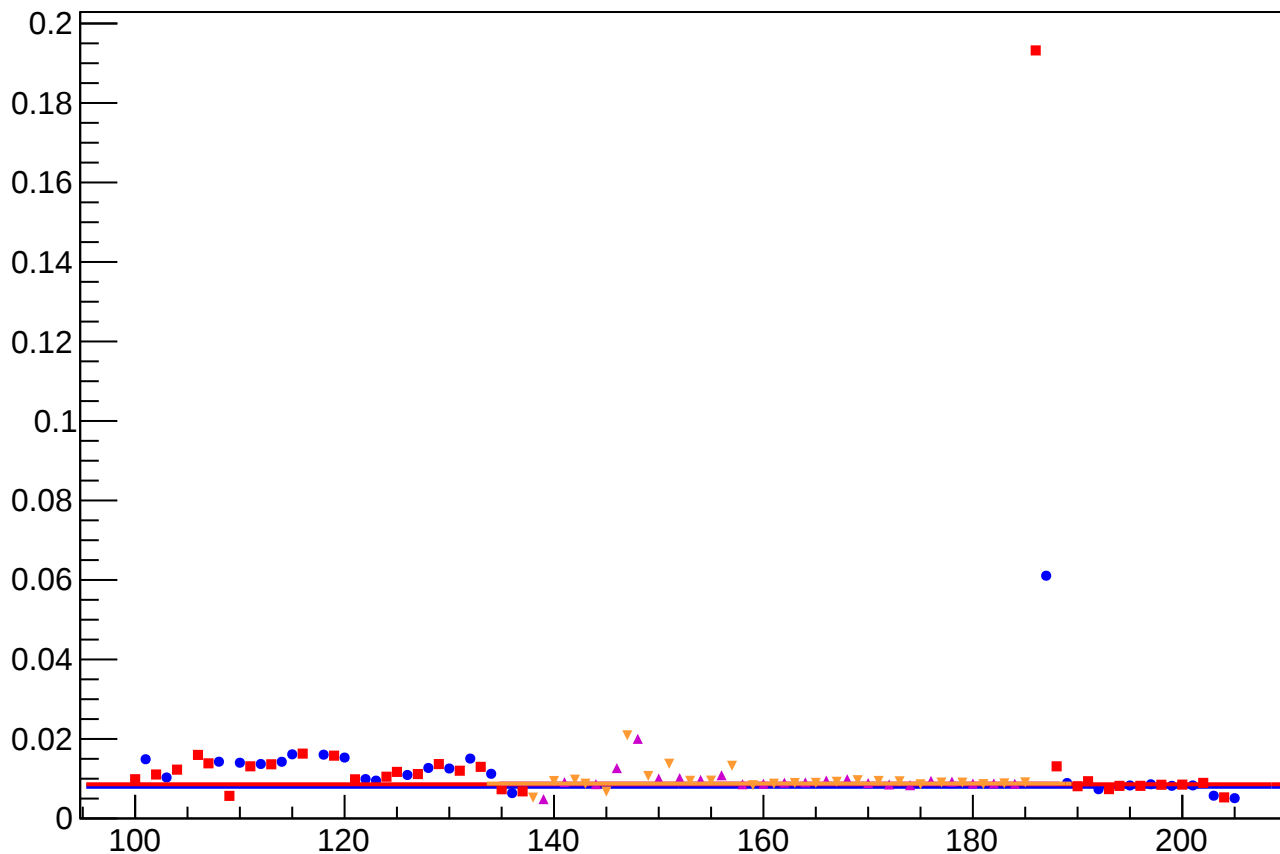
Left In: 0.896 $\pm$ 0.000 χ^2 /NDF:66594200889.6/22

+ sign 0.947 $\pm$ 0.000 χ^2 /NDF: 105644182510.5/50

All: 0.946 $\pm$ 0.000 χ^2 /NDF: 198695095154.9

- sign 0.945 $\pm$ 0.000 χ^2 /NDF: 93049894633.1/52

yield_bpm12Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 2761998.5/25

Left Out: 0.009+/-0.000 χ^2/NDF : 1697568.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 2793719.4/29

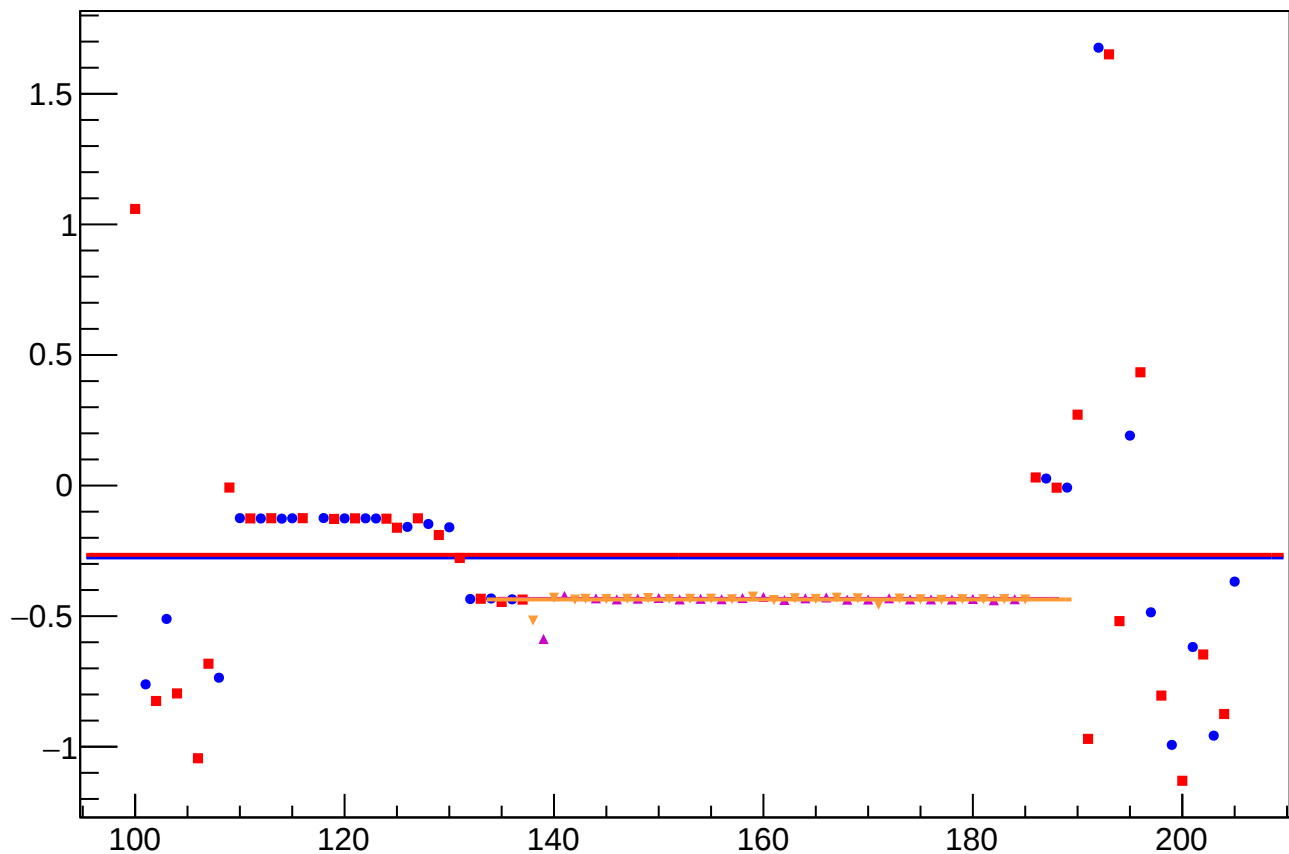
Left In: 0.009+/-0.000 χ^2/NDF : 1607939.0/22

+ sign 0.008+/-0.000 χ^2/NDF : 4583706.3/50

All: 0.009+/-0.000 χ^2/NDF : 9017915.1/103

- sign 0.009+/-0.000 χ^2/NDF : 4407315.7/52

yield_bpm16X_mean vs Slug



Right In: -0.275 ± 0.000 χ^2/NDF : 2143177616.4/25

Left Out: -0.436 ± 0.000 χ^2/NDF : 28774660.0/24

Right Out: -0.265 ± 0.000 χ^2/NDF : 2157977316.3/29

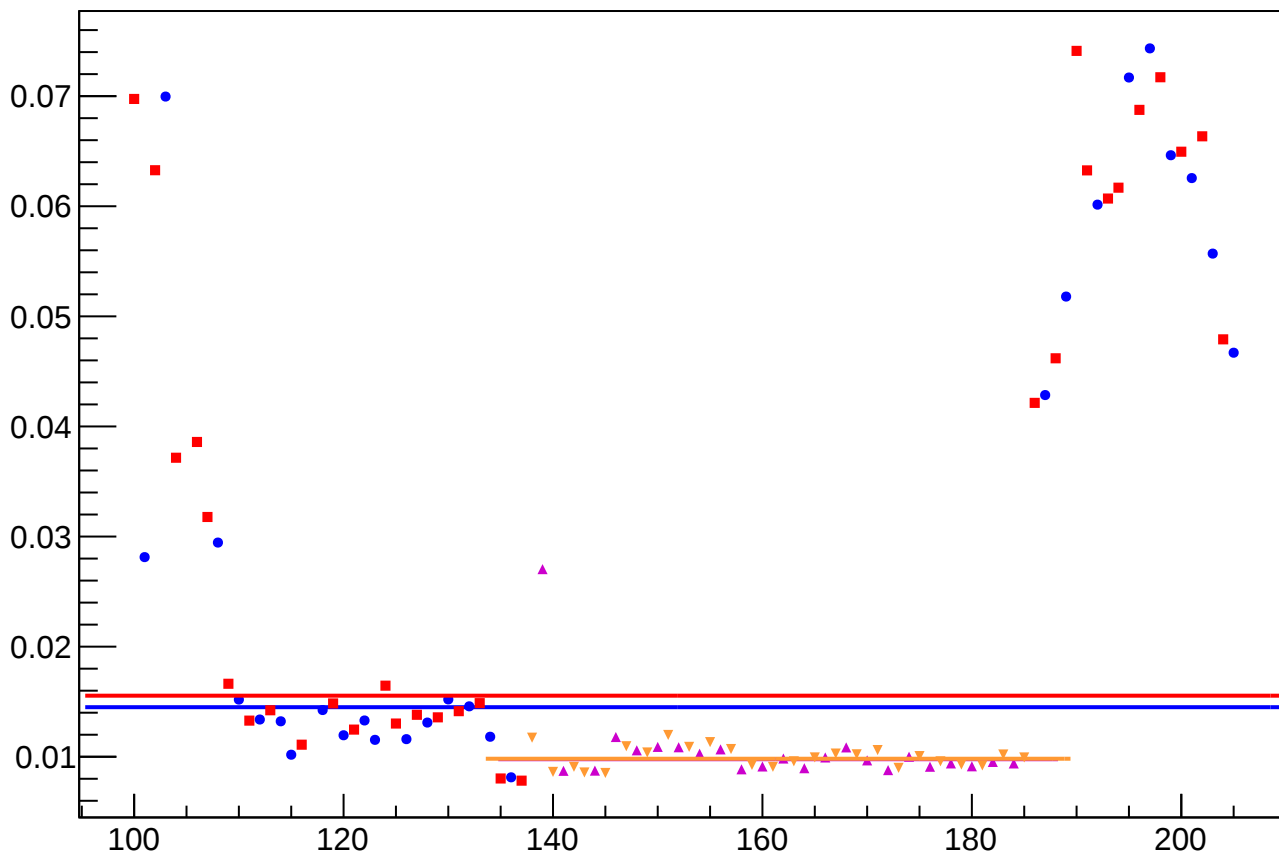
Left In: -0.434 ± 0.000 χ^2/NDF : 23984173.0/22

+ sign -0.408 ± 0.000 χ^2/NDF : 2896398414.8/50

All: -0.407 ± 0.000 χ^2/NDF : 5829858781.3/1

- sign -0.405 ± 0.000 χ^2/NDF : 2932242544.4/52

yield_bpm16X_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 8984225.5/25

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

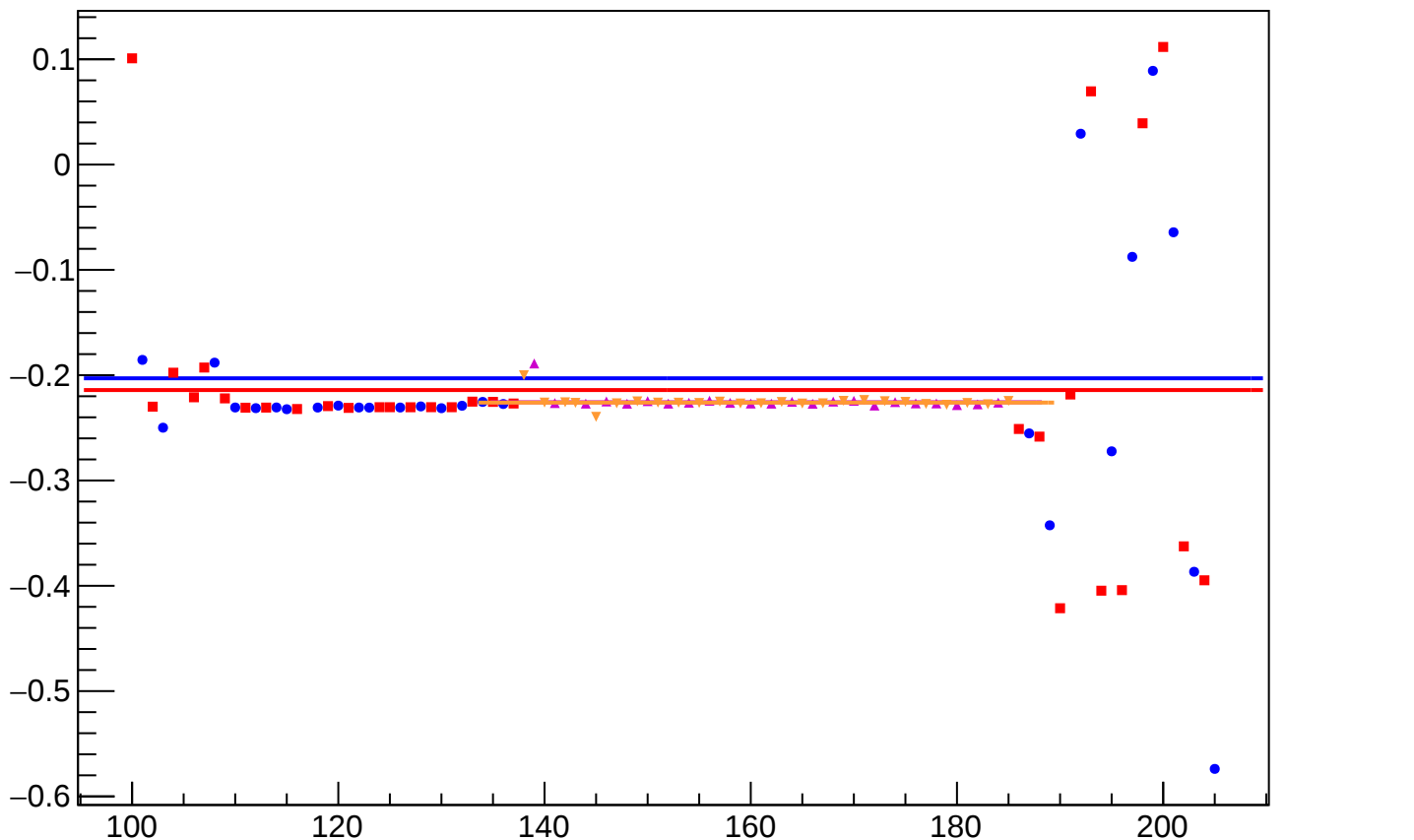
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:747550.0/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 10476979.9/50

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 22812104.8/103

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 12331079.6/52

yield_bpm16Y_mean vs Slug



Right In: -0.203 ± 0.000 $\chi^2/\text{NDF}: 7600111179.8/25$

Left Out: -0.226 ± 0.000 $\chi^2/\text{NDF}: 21205667.4/24$

Right Out: -0.214 ± 0.000 $\chi^2/\text{NDF}: 8458120657.8/29$

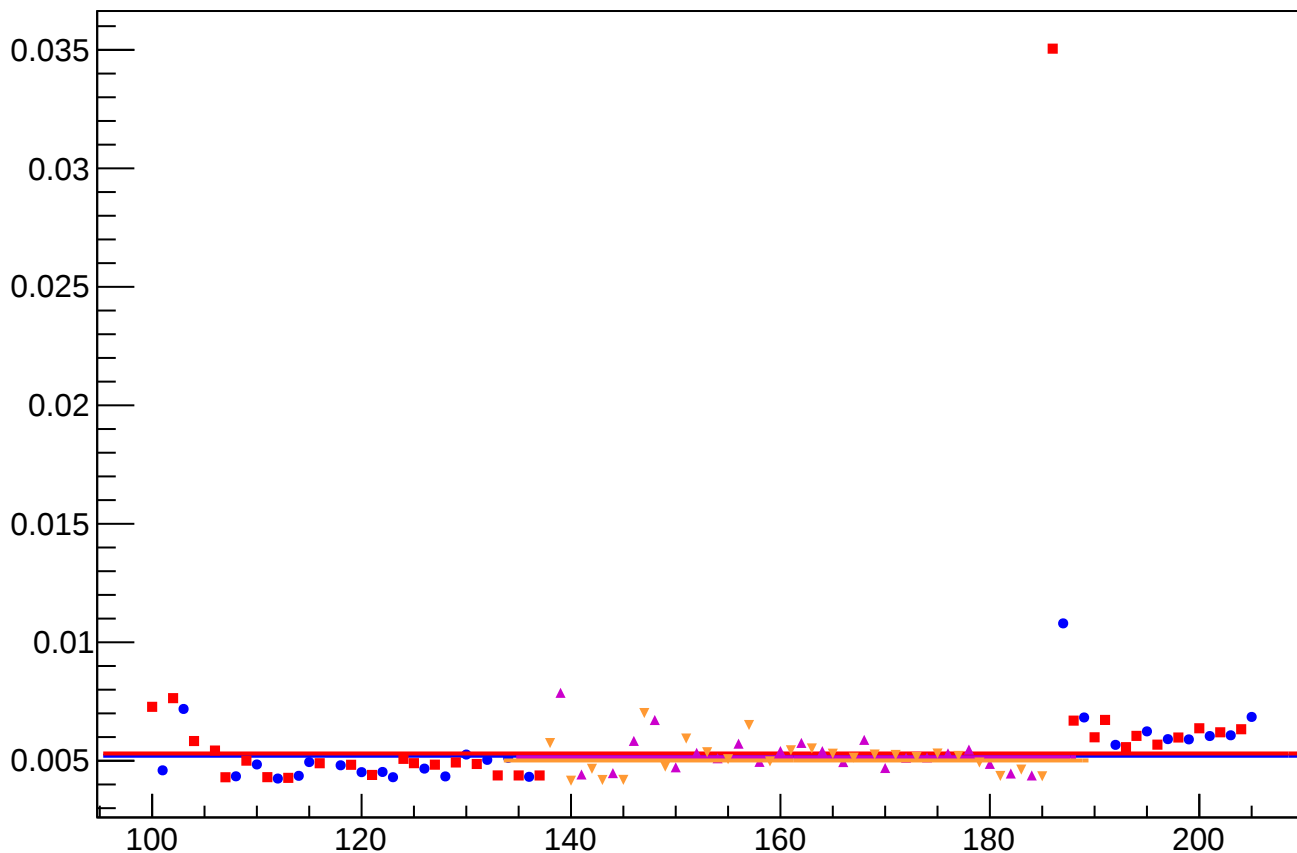
Left In: -0.226 ± 0.000 $\chi^2/\text{NDF}: 15245251.1/22$

+ sign -0.217 ± 0.000 $\chi^2/\text{NDF}: 7762348022.4/50$

All: -0.219 ± 0.000 $\chi^2/\text{NDF}: 16278216932.1/100$

- sign -0.221 ± 0.000 $\chi^2/\text{NDF}: 8508311942.0/52$

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 702424.9/25

Left Out: 0.005+/-0.000 χ^2/NDF : 530632.6/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1167146.5/29

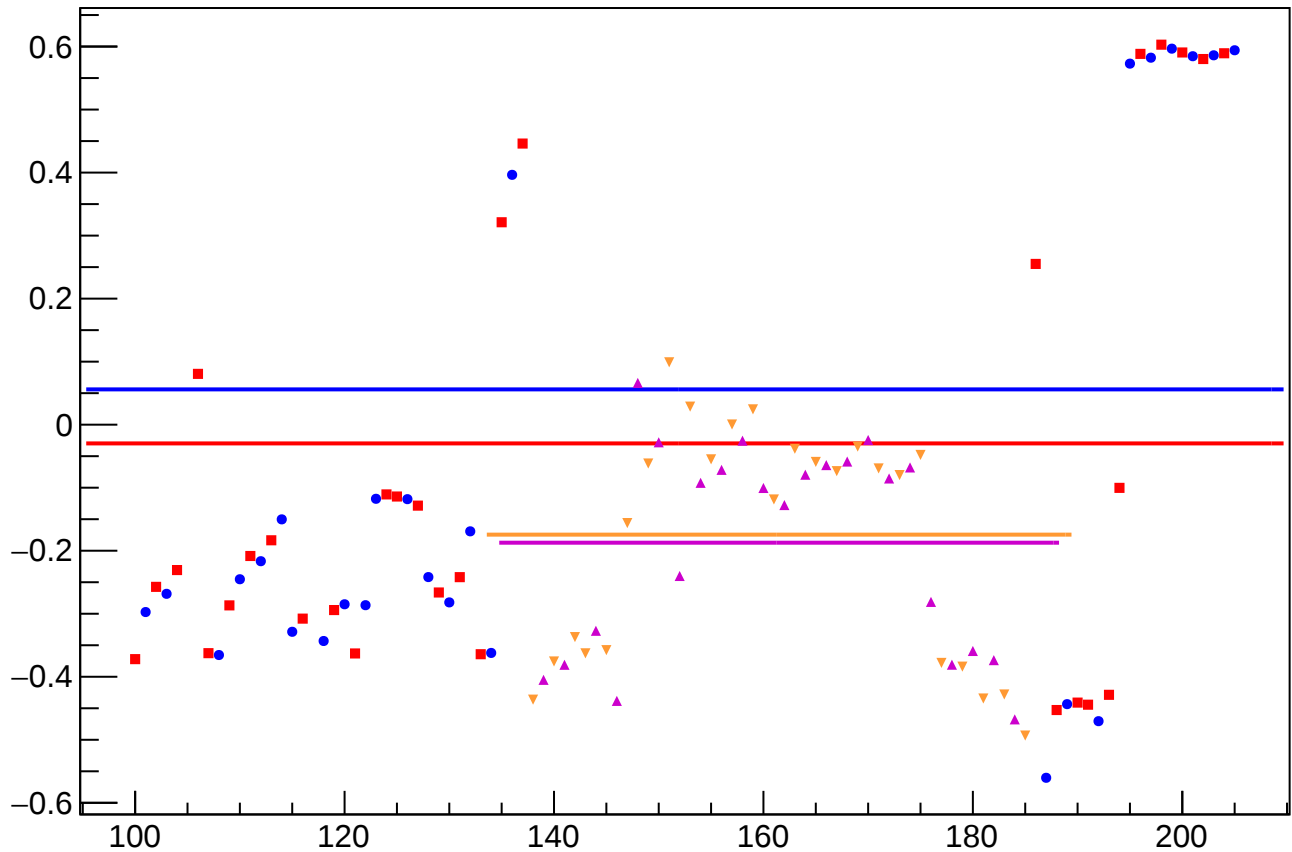
Left In: 0.005+/-0.000 χ^2/NDF : 493107.7/22

+ sign 0.005+/-0.000 χ^2/NDF : 1254057.0/50

All: 0.005+/-0.000 χ^2/NDF : 2944784.2/103

- sign 0.005+/-0.000 χ^2/NDF : 1673899.5/52

yield_bpm0i02X_mean vs Slug



Right In: 0.056 $\pm$ 0.000 χ^2 /NDF: 52411010643.7/25

Left Out: -0.174 $\pm$ 0.000 χ^2 /NDF:18025533236.1/24

Right Out: -0.030 $\pm$ 0.000 χ^2 /NDF: 47374401162.3/29

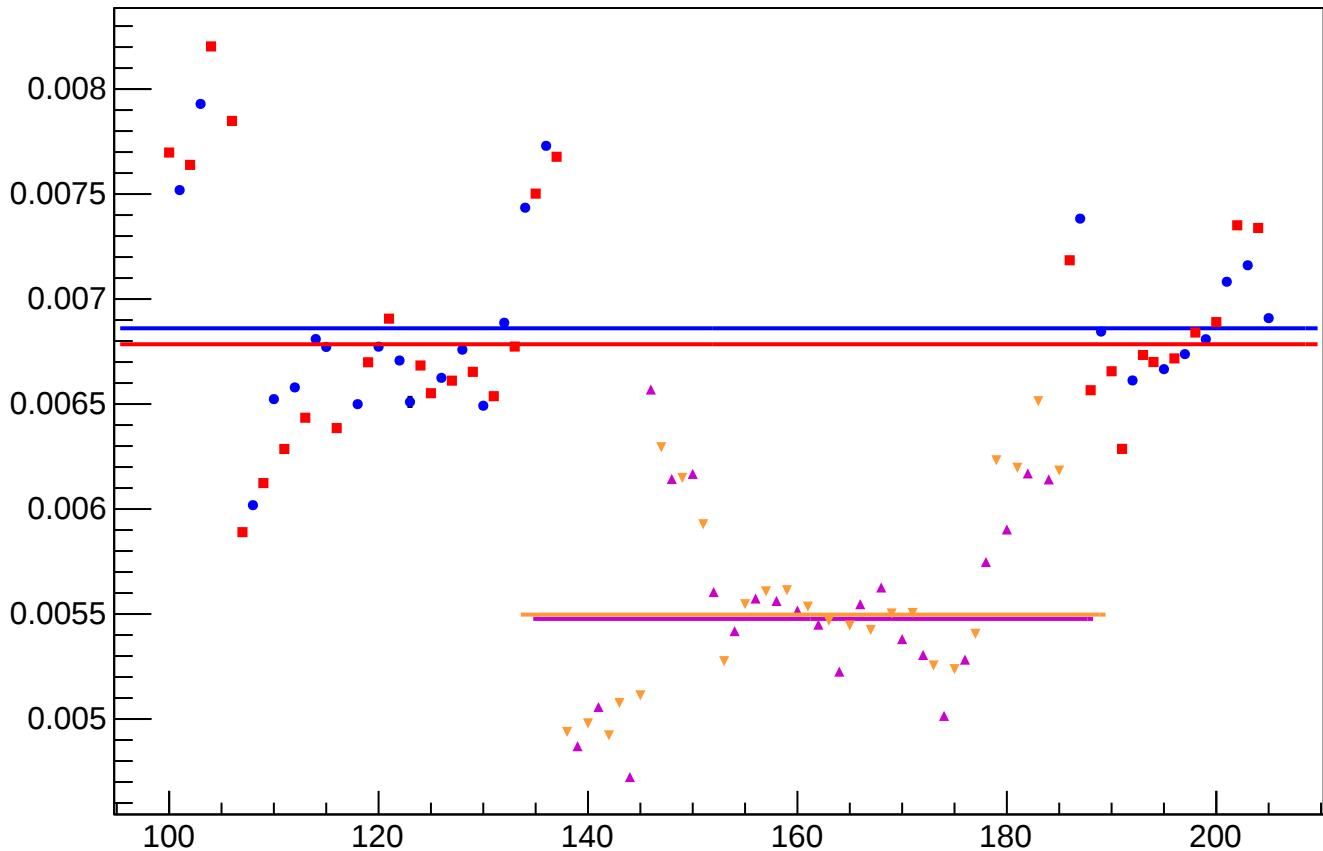
Left In: -0.187 $\pm$ 0.000 χ^2 /NDF:12816646575.4/22

+ sign -0.101 $\pm$ 0.000 χ^2 /NDF: 80260164307.2/50

All: -0.116 $\pm$ 0.000 χ^2 /NDF: 145670054844.4

- sign -0.131 $\pm$ 0.000 χ^2 /NDF: 65011485065.4/52

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 89089.4/25

Left Out: 0.005+/-0.000 χ^2/NDF :198746.4/24

Right Out: 0.007+/-0.000 χ^2/NDF : 128337.6/29

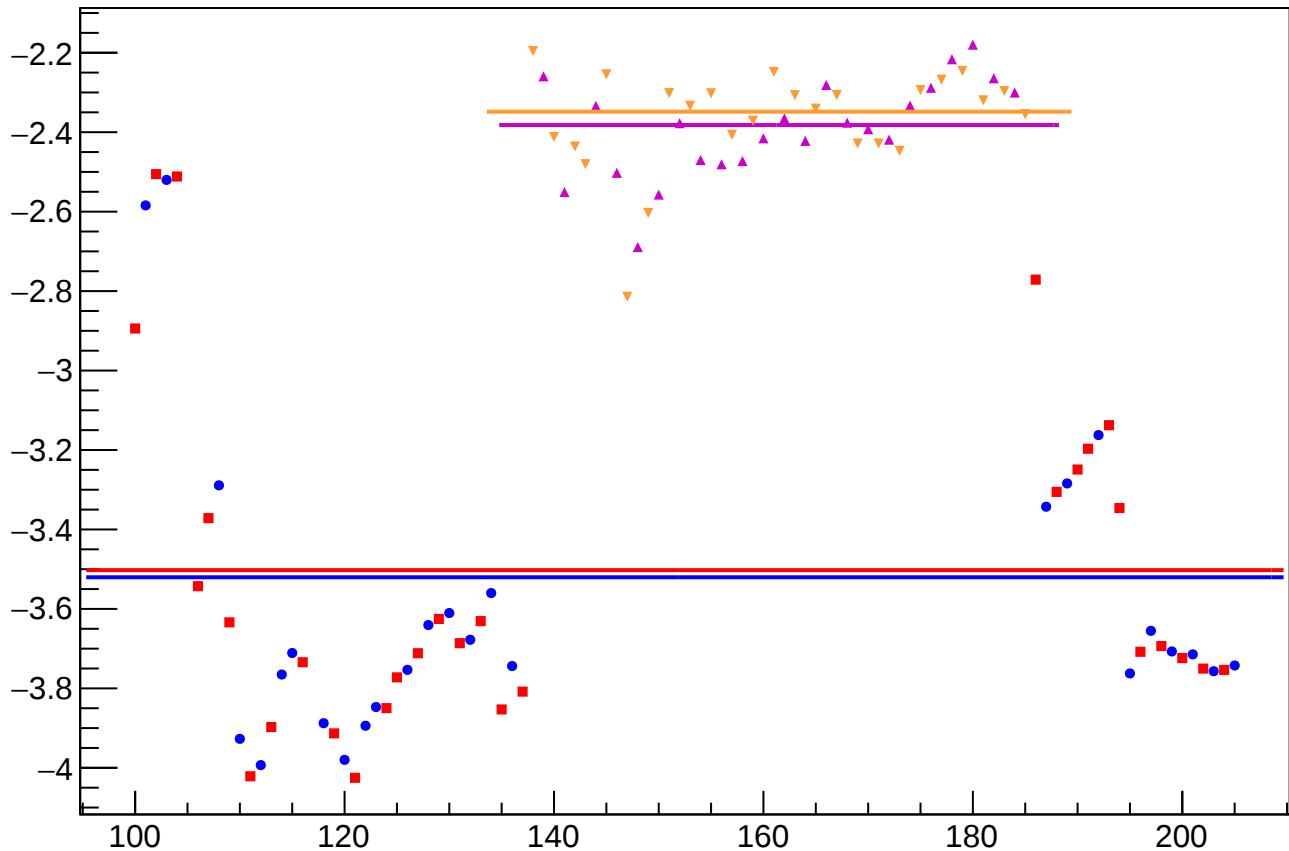
Left In: 0.005+/-0.000 χ^2/NDF :202181.4/22

+ sign 0.006+/-0.000 χ^2/NDF : 975389.4/50

All: 0.006+/-0.000 χ^2/NDF : 1970474.4/103

- sign 0.006+/-0.000 χ^2/NDF : 995039.0/52

yield_bpm0i02Y_mean vs Slug



Right In: -3.520 $\pm$ 0.000 χ^2 /NDF: 29767038400.5/25

Left Out: -2.348 $\pm$ 0.000 χ^2 /NDF: 2158686333.4/24

+ sign -2.807 $\pm$ 0.000 χ^2 /NDF: 152767675572.0/50

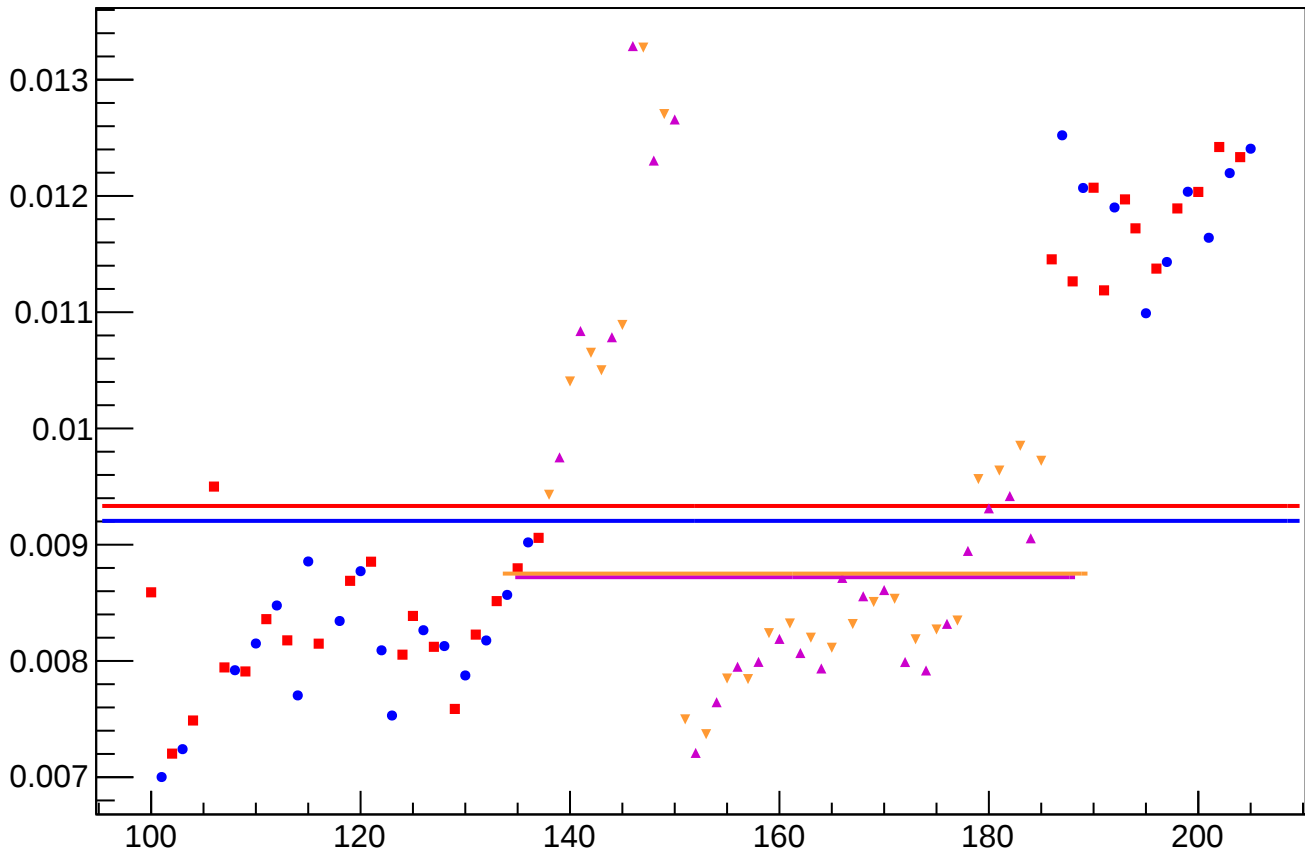
Right Out: -3.502 $\pm$ 0.000 χ^2 /NDF: 30621287929.4/29

All: -2.828 $\pm$ 0.000 χ^2 /NDF: 297672608058.1

- sign -2.849 $\pm$ 0.000 χ^2 /NDF: 144577792383.8/52

Left In: -2.382 $\pm$ 0.000 χ^2 /NDF: 2318395228.4/22

yield_bpm0i02Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 960893.0/25

Left Out: 0.009+/-0.000 χ^2/NDF :663672.8/24

Right Out: 0.009+/-0.000 χ^2/NDF : 970196.9/29

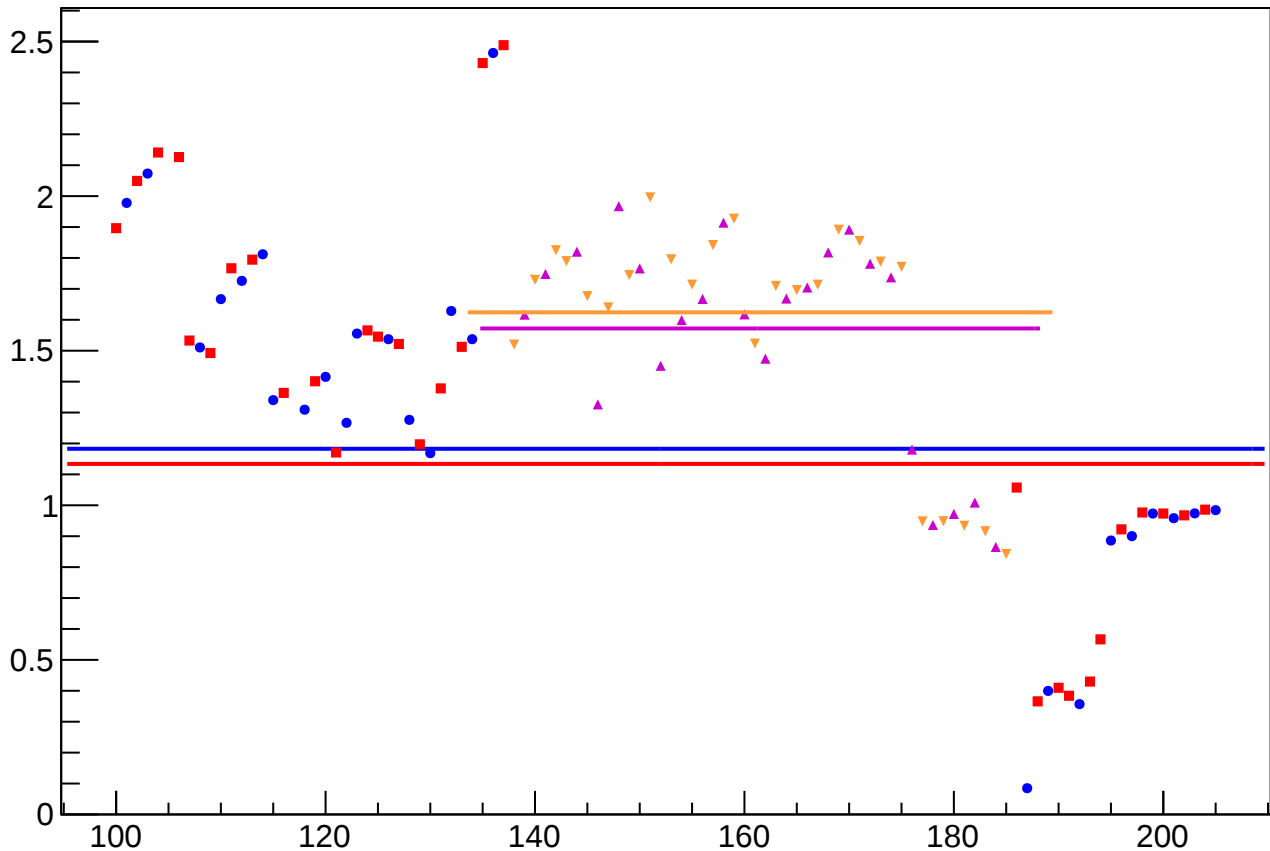
Left In: 0.009+/-0.000 χ^2/NDF :747867.0/22

+ sign 0.009+/-0.000 χ^2/NDF : 1660757.1/50

All: 0.009+/-0.000 χ^2/NDF : 3446413.9/103

- sign 0.009+/-0.000 χ^2/NDF : 1784841.7/52

yield_bpm0i02aX_mean vs Slug



Right In: 1.183 $\pm$ 0.000 χ^2 /NDF: 27326283828.3/25

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

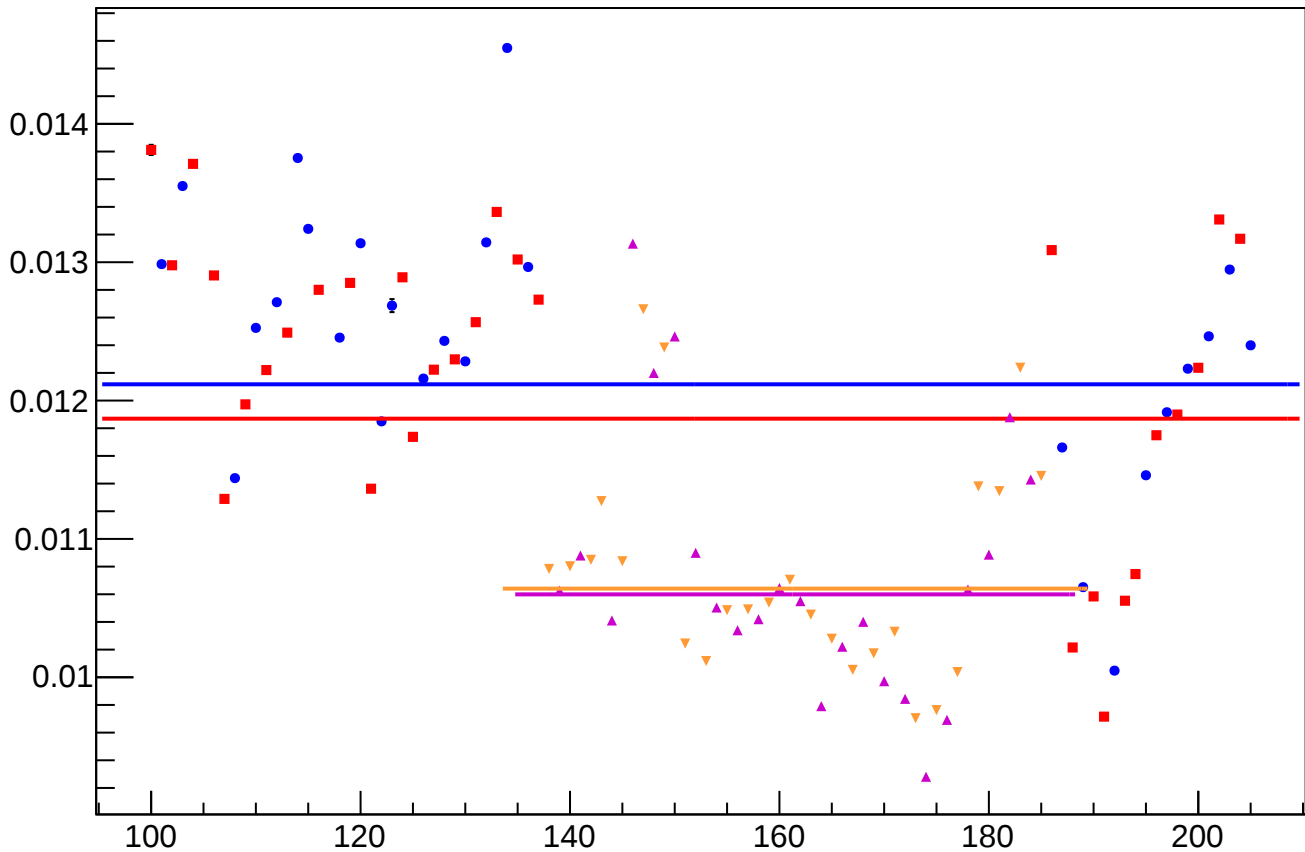
Left In: 1.572 $\pm$ 0.000 χ^2 /NDF: 14230484809.4/22

+ sign 1.467 $\pm$ 0.000 χ^2 /NDF: 54794033256.2/50

All: 1.432 $\pm$ 0.000 χ^2 /NDF: 113470577607.6

- 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: 165238.7/25

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

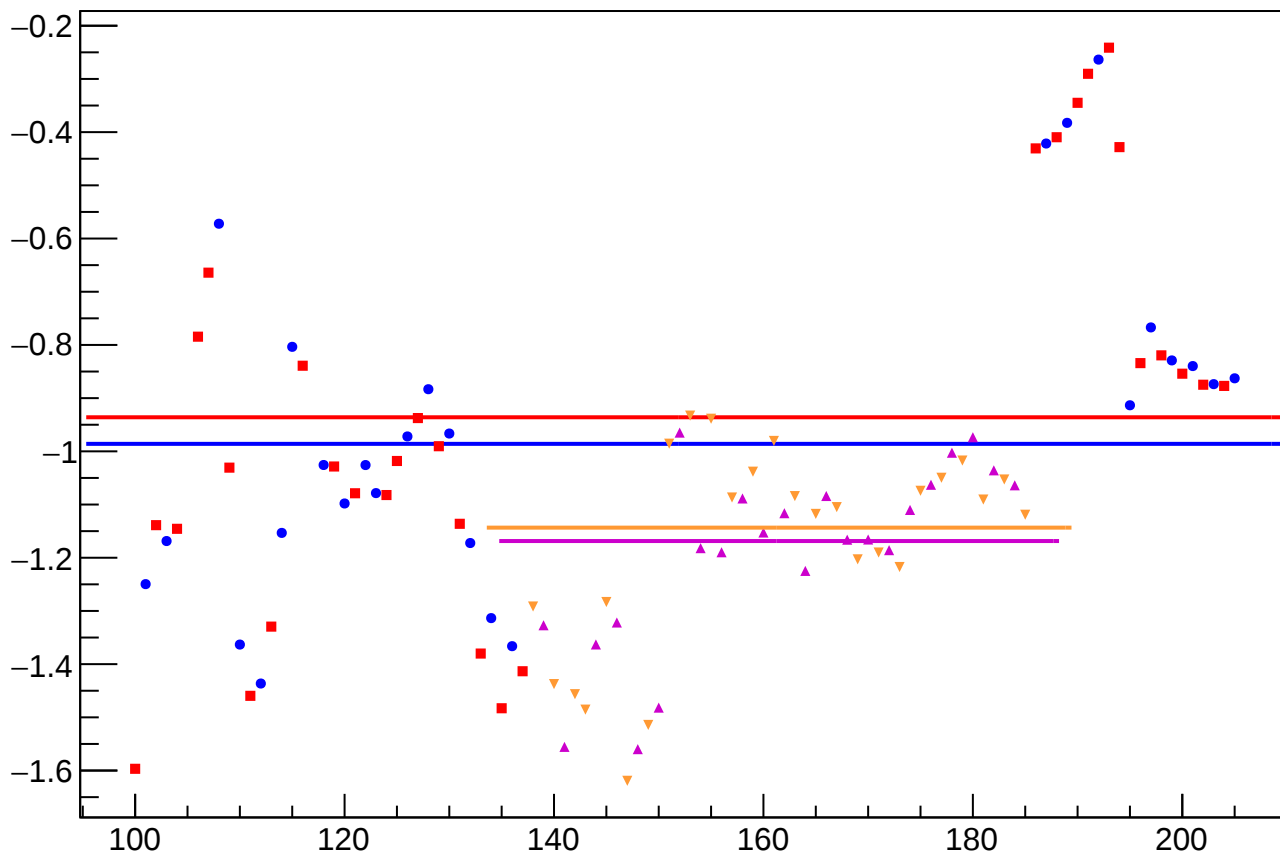
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:204531.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 567659.9/50

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 1187841.0/103

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 619209.0/52

yield_bpm0i02aY_mean vs Slug



Right In: -0.986±/0.000 χ^2/NDF : 10875840043.7/25

Left Out: -1.143±/0.000 χ^2/NDF : 7976364534.0/24

Right Out: -0.936±/0.000 χ^2/NDF : 15769464108.1/29

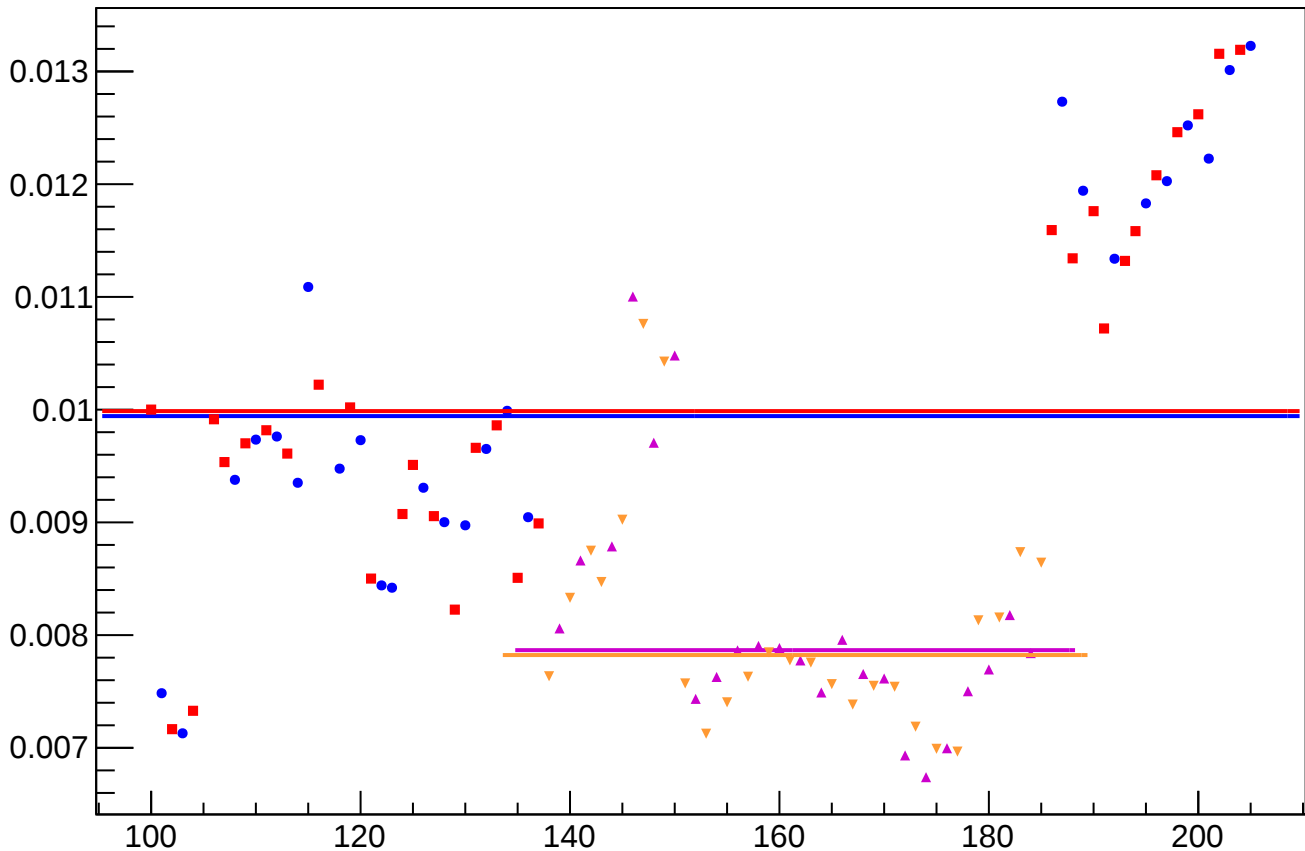
Left In: -1.169±/0.000 χ^2/NDF : 6362643368.6/22

+ sign -1.095±/0.000 χ^2/NDF : 20973057275.3/50

All: -1.093±/0.000 χ^2/NDF : 47871144179.8/52

- 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: 823370.2/25

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

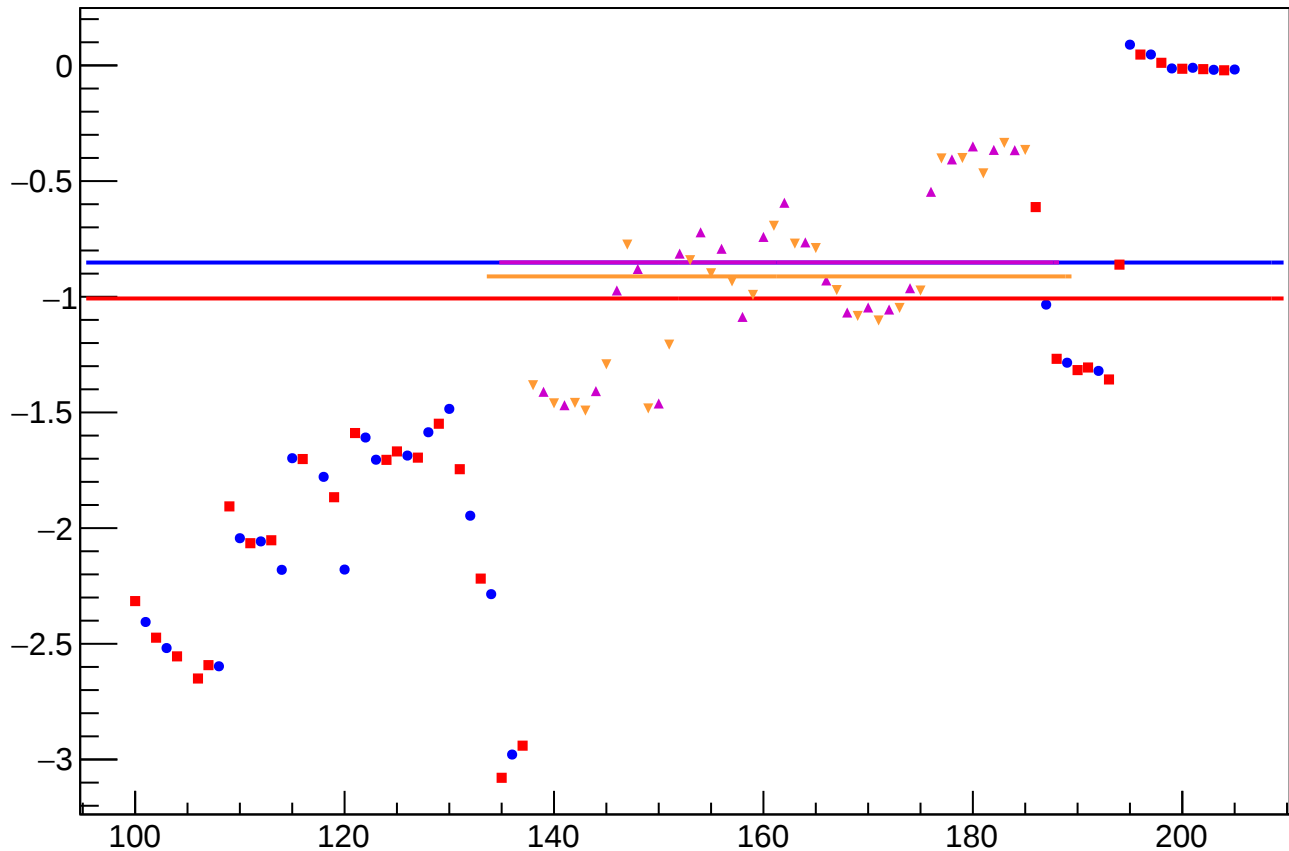
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:379901.3/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1928307.2/50

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 3924700.3/103

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 1991741.2/52

yield_bpm0i05X_mean vs Slug



Right In: -0.852+/-0.000 χ^2/NDF : 332254716848.8/25

Left Out: -0.912+/-0.000 χ^2/NDF :49039425818.1/24

Right Out: -1.007+/-0.000 χ^2/NDF : 328950224897.9/29

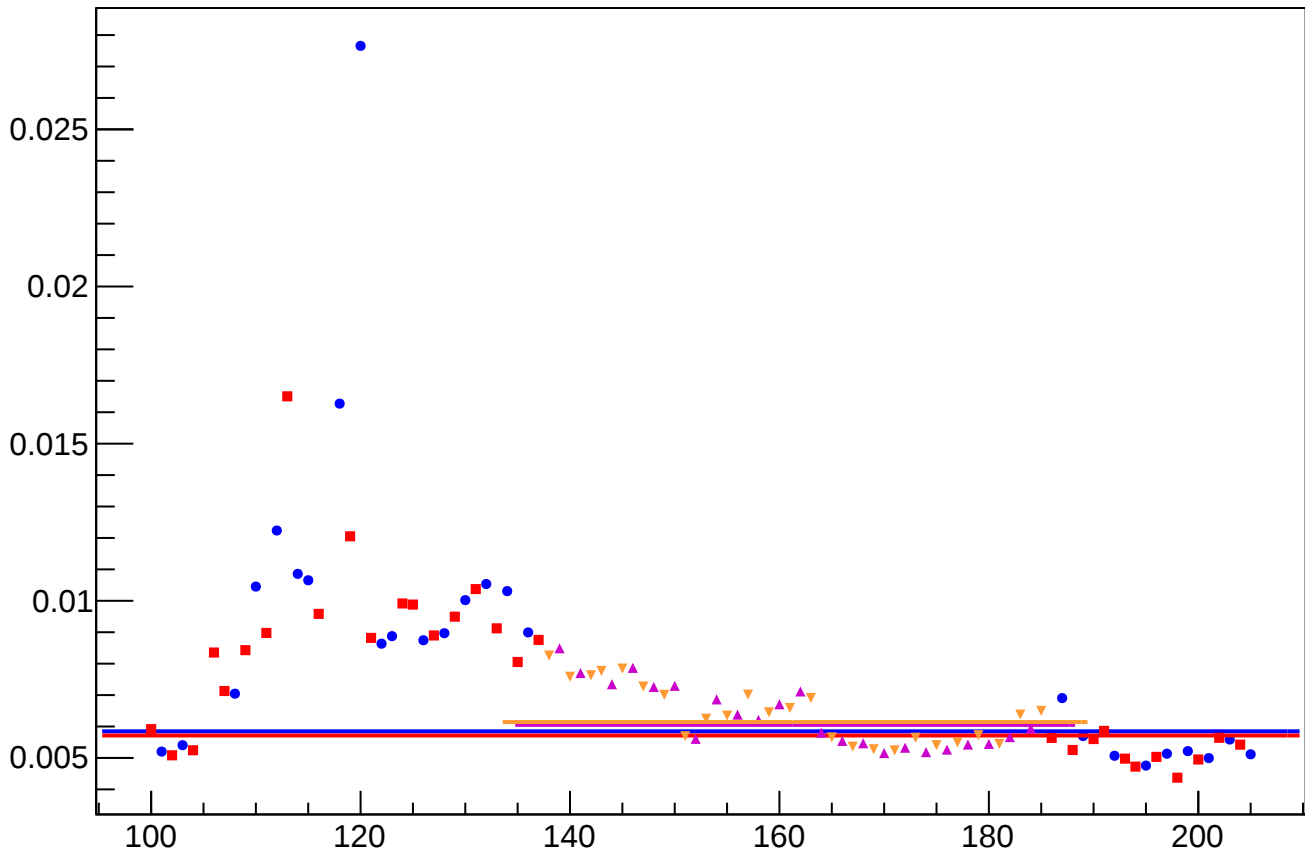
Left In: -0.851+/-0.000 χ^2/NDF :46438446008.2/22

+ sign -0.888+/-0.000 χ^2/NDF : 381948379047.5/50

All: -0.905+/-0.000 χ^2/NDF : 762589307360.7

- 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 : 1976606.1/25

Left Out: 0.006+/-0.000 χ^2/NDF : 637765.4/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1882288.4/29

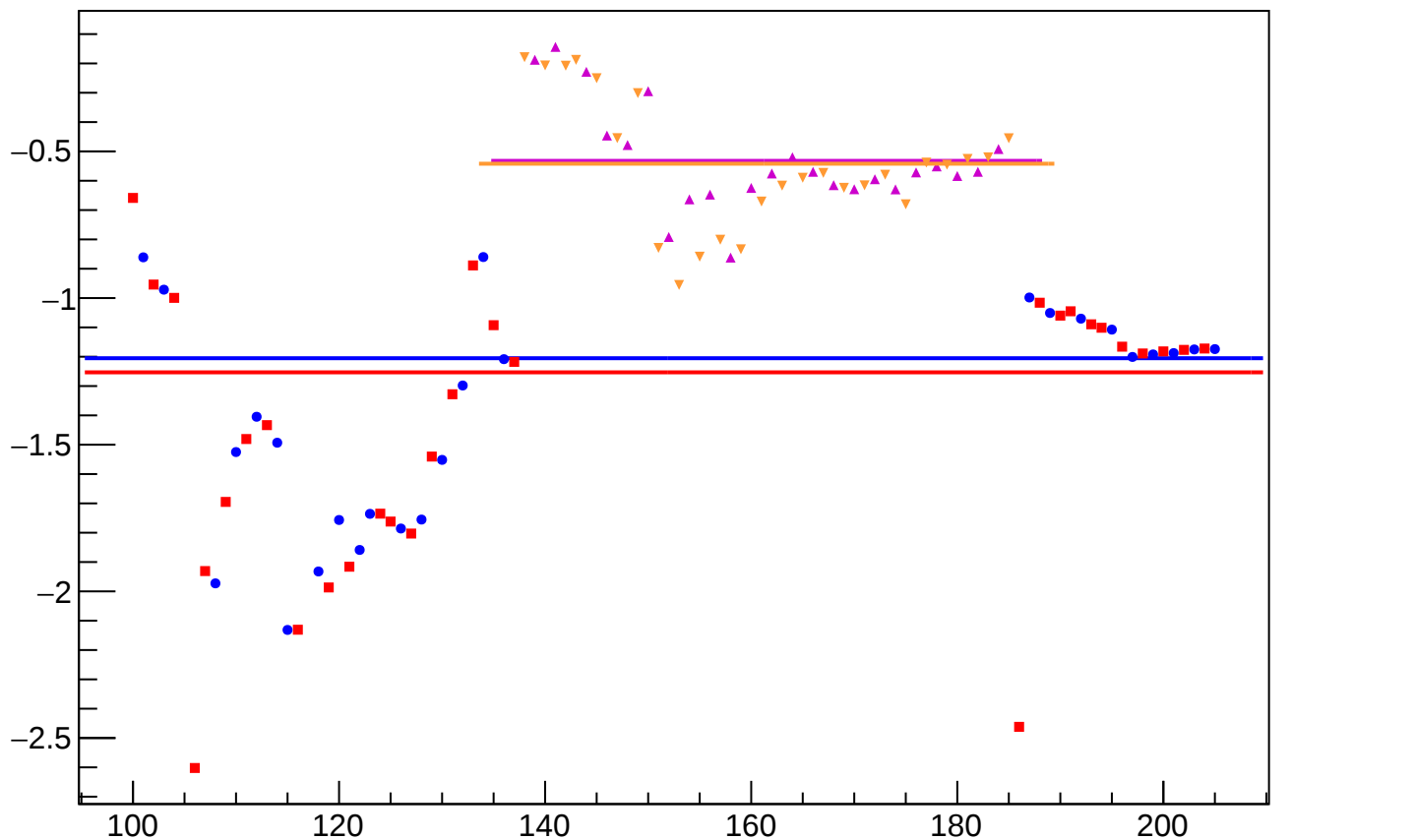
Left In: 0.006+/-0.000 χ^2/NDF : 697577.8/22

+ sign 0.006+/-0.000 χ^2/NDF : 2646043.1/50

All: 0.006+/-0.000 χ^2/NDF : 5282553.9/103

- sign 0.006+/-0.000 χ^2/NDF : 2624957.6/52

yield_bpm0i05Y_mean vs Slug



Right In: -1.205+/-0.000 χ^2/NDF : 26333795260.2/25

Left Out: -0.542+/-0.000 χ^2/NDF : 47268284910.3/24

Right Out: -1.253+/-0.000 χ^2/NDF : 78794003419.4/29

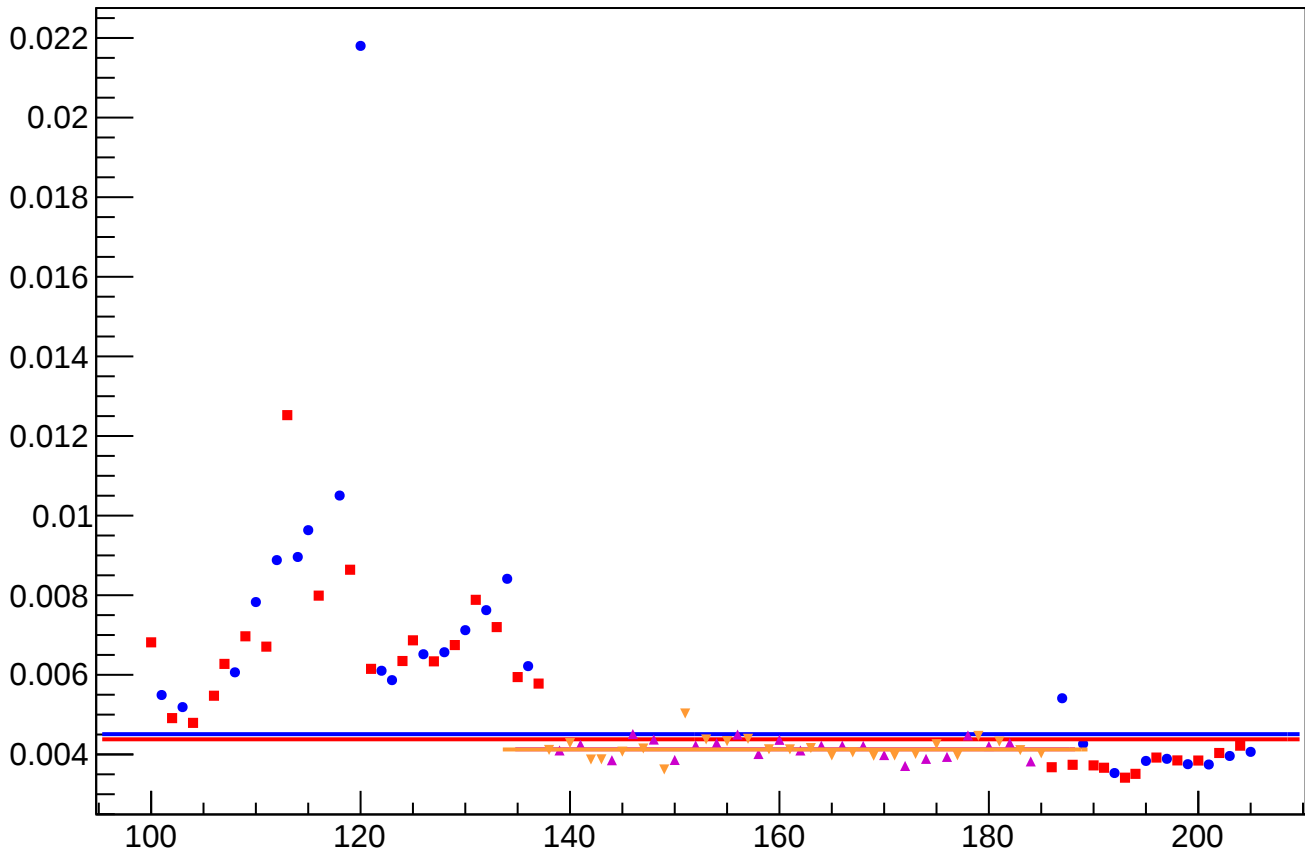
Left In: -0.532+/-0.000 χ^2/NDF : 30715235426.8/22

+ sign -0.769+/-0.000 χ^2/NDF : 222773431454.9/50

All: -0.792+/-0.000 χ^2/NDF : 524986290346.0

- sign -0.815+/-0.000 χ^2/NDF : 300567005465.2/52

yield_bpm0i05Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 1953374.6/25

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

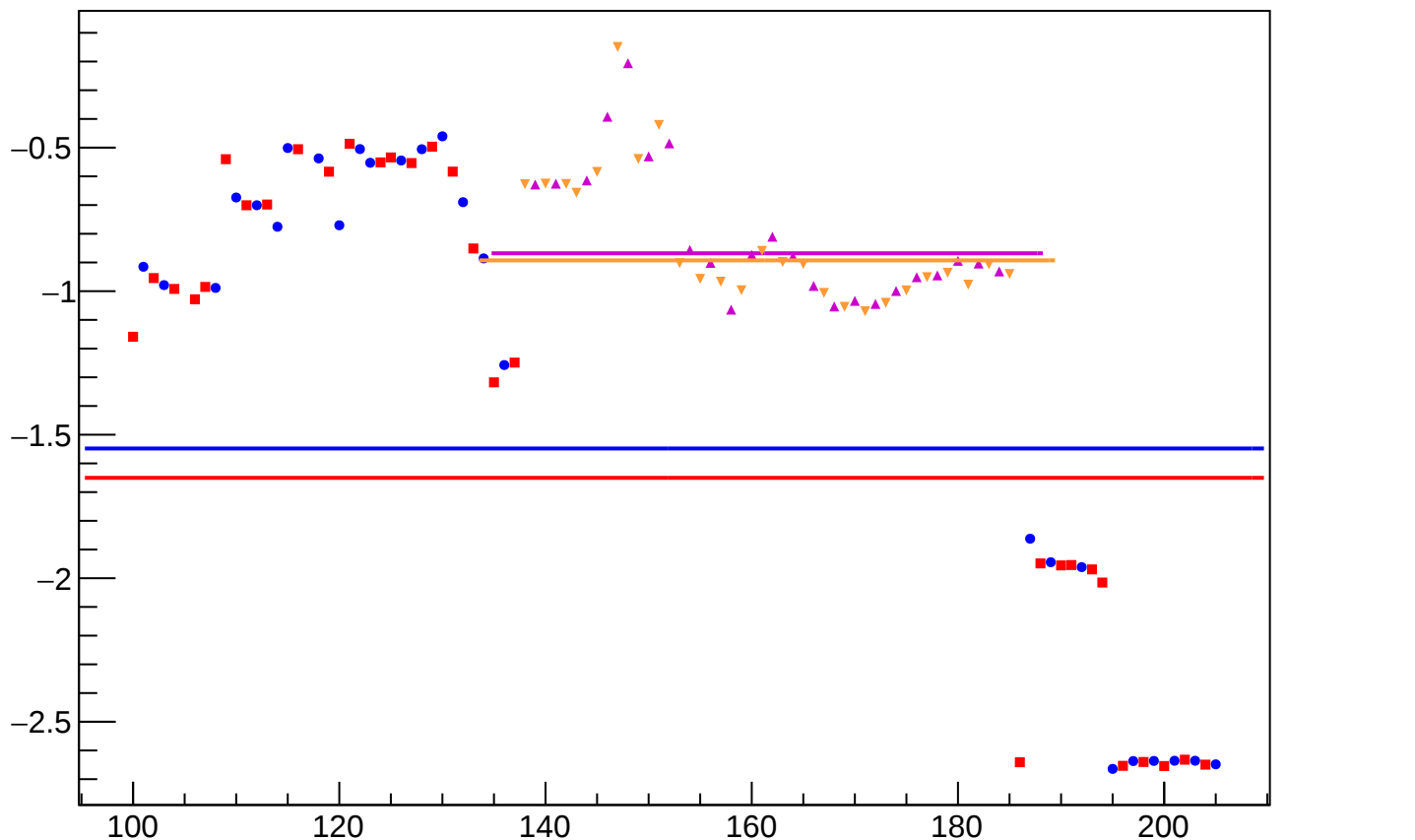
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:93111.2/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2166800.4/50

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 4135764.8/103

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1967758.8/52

yield_bpm0i07X_mean vs Slug



Right In: -1.548 $\pm$ 0.000 χ^2 /NDF: 230820090233.3/25

Left Out: -0.893 $\pm$ 0.000 χ^2 /NDF: 40787012603.8/24

Right Out: -1.650 $\pm$ 0.000 χ^2 /NDF: 290914927216.3/29

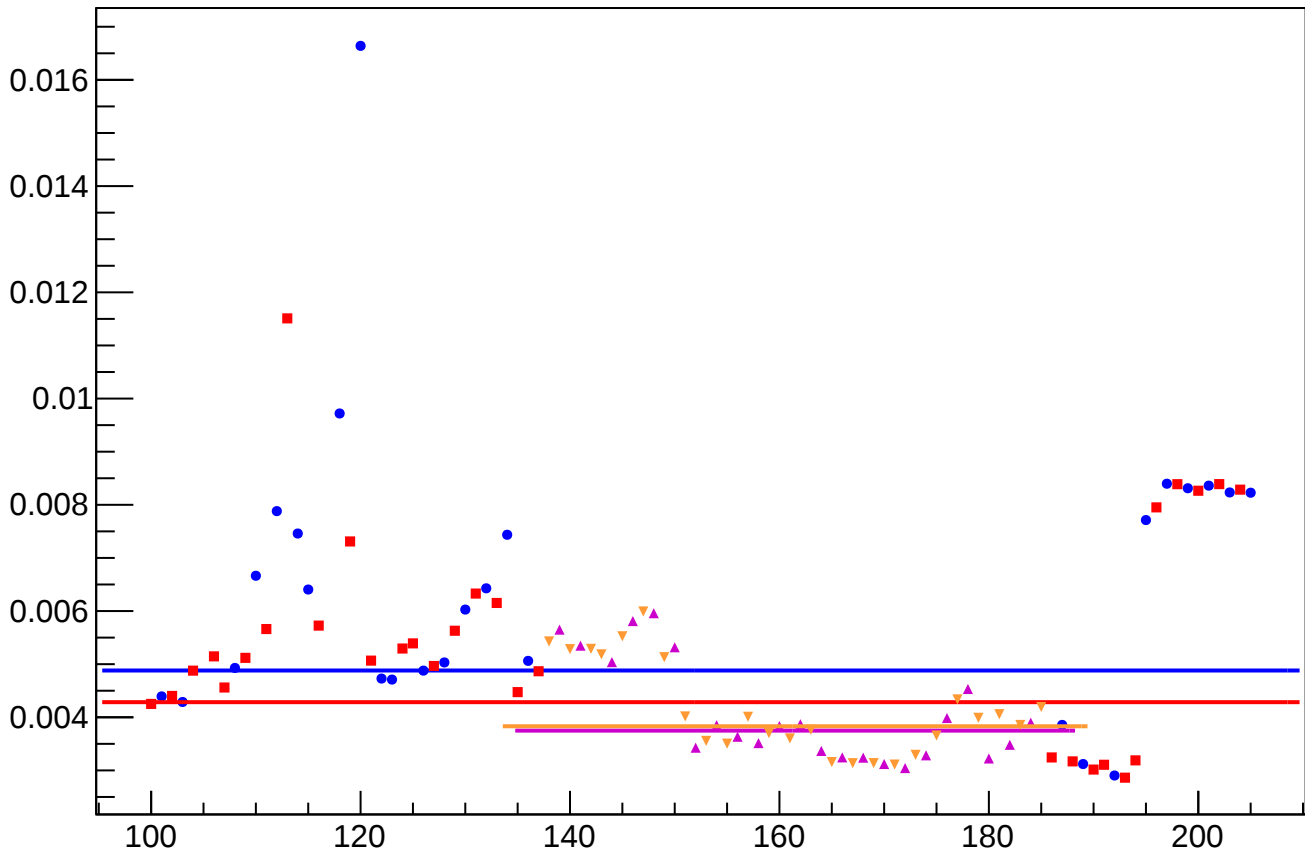
Left In: -0.868 $\pm$ 0.000 χ^2 /NDF: 43853190177.2/22

+ sign -1.074 $\pm$ 0.000 χ^2 /NDF: 405052007815.3/50

All: -1.112 $\pm$ 0.000 χ^2 /NDF: 987076374552.8

- sign -1.146 $\pm$ 0.000 χ^2 /NDF: 577695004200.6/52

yield_bpm0i07X_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 3406760.7/25

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

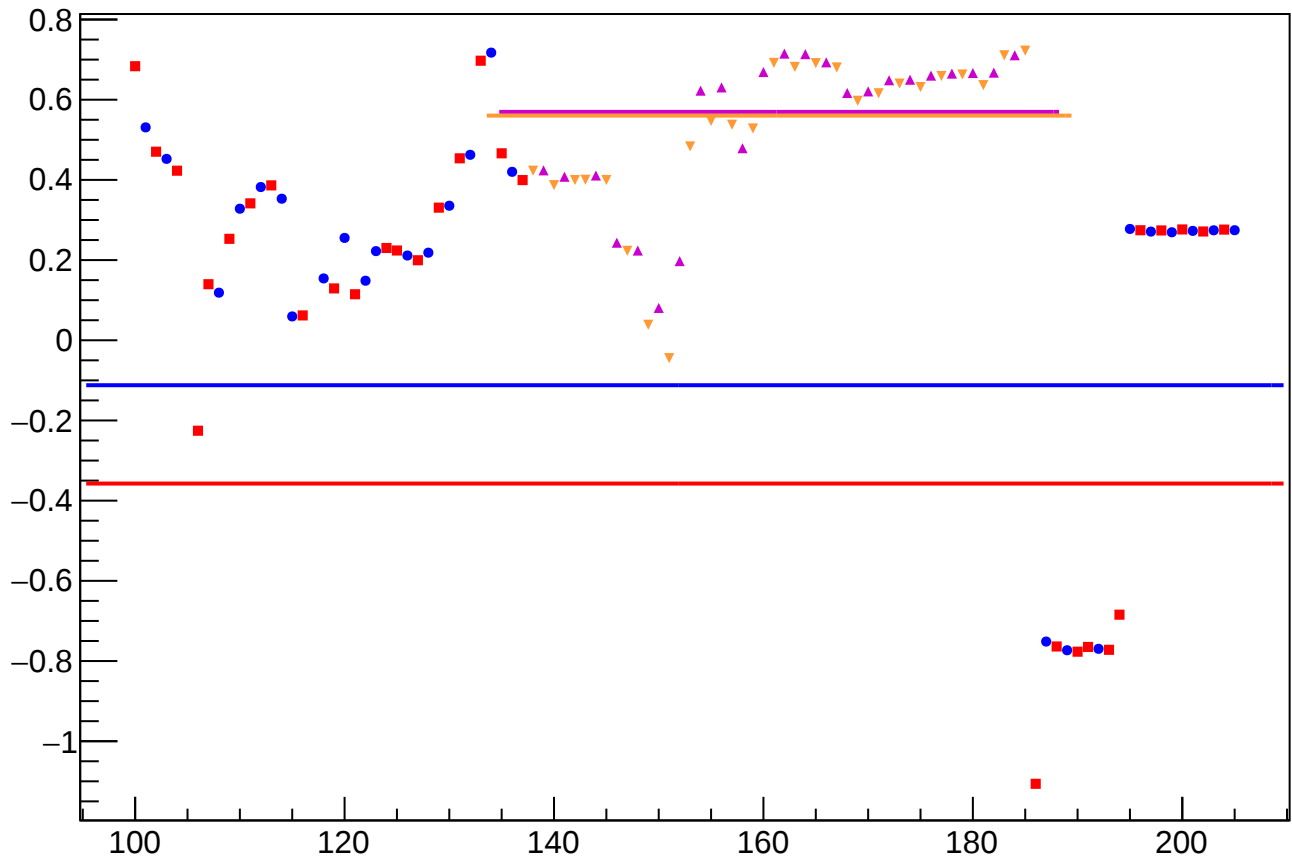
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1288490.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 5271504.4/50

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 10234302.5/103

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 4909036.8/52

yield_bpm0i07Y_mean vs Slug



Right In: -0.112 ± 0.000 $\chi^2/\text{NDF}: 277627053006.4/25$

Left Out: 0.560 ± 0.000 $\chi^2/\text{NDF}: 45205806387.2/24$

Right Out: -0.357 ± 0.000 $\chi^2/\text{NDF}: 438141224862.4/29$

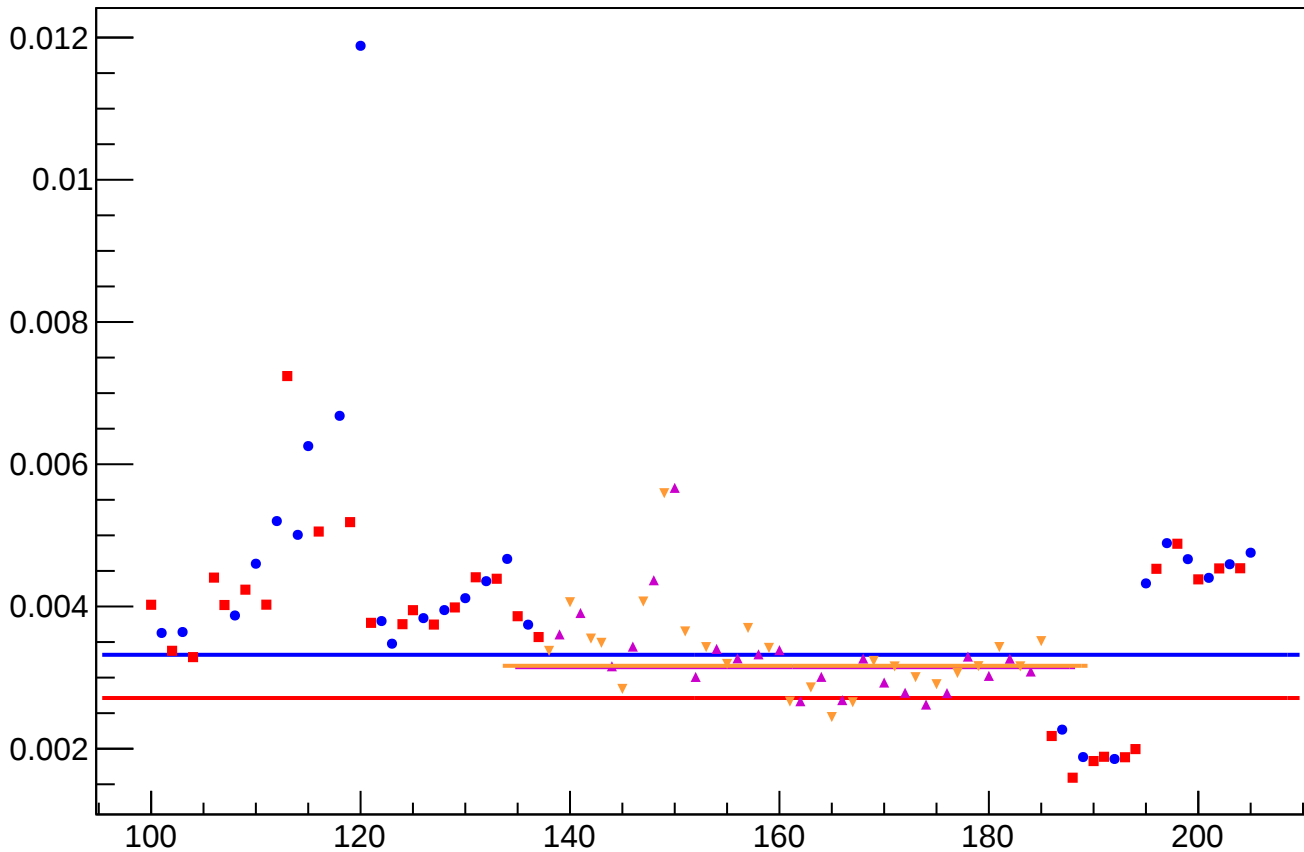
Left In: 0.570 ± 0.000 $\chi^2/\text{NDF}: 42104067973.0/22$

+ sign 0.312 ± 0.000 $\chi^2/\text{NDF}: 593023860570.5/50$

All: 0.208 ± 0.000 $\chi^2/\text{NDF}: 1775048451419.$

- sign 0.119 ± 0.000 $\chi^2/\text{NDF}: 1130439904780.4/52$

yield_bpm0i07Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 3108297.0/25

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

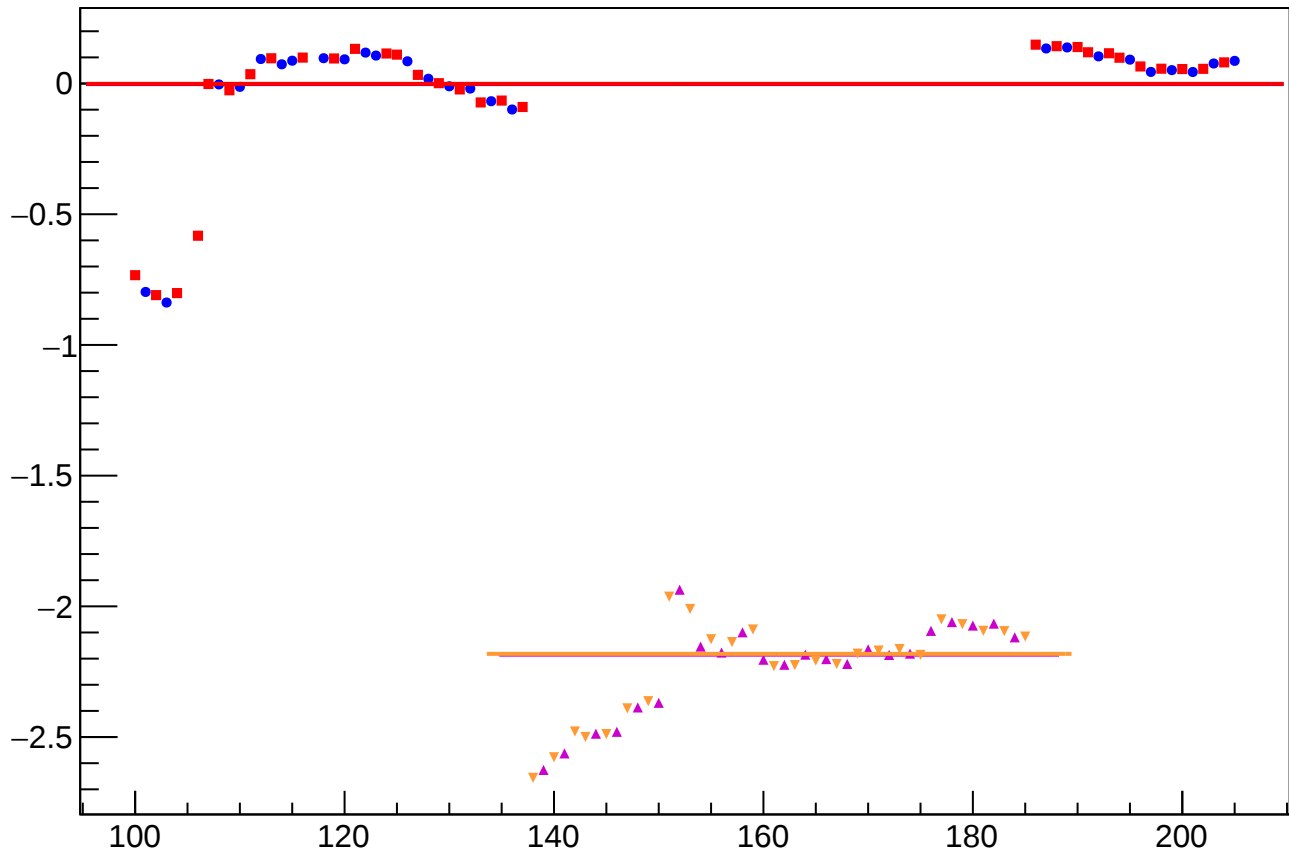
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 716402.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 3881742.7/50

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 9259235.8/103

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 5148359.5/52

yield_bpm1i02X_mean vs Slug



Right In: -0.002 $\pm$ 0.000 χ^2 /NDF: 5828806840.4/25

Left Out: -2.182 $\pm$ 0.000 χ^2 /NDF: 4008829567.0/24

Right Out: -0.001 $\pm$ 0.000 χ^2 /NDF: 6901496627.0/29

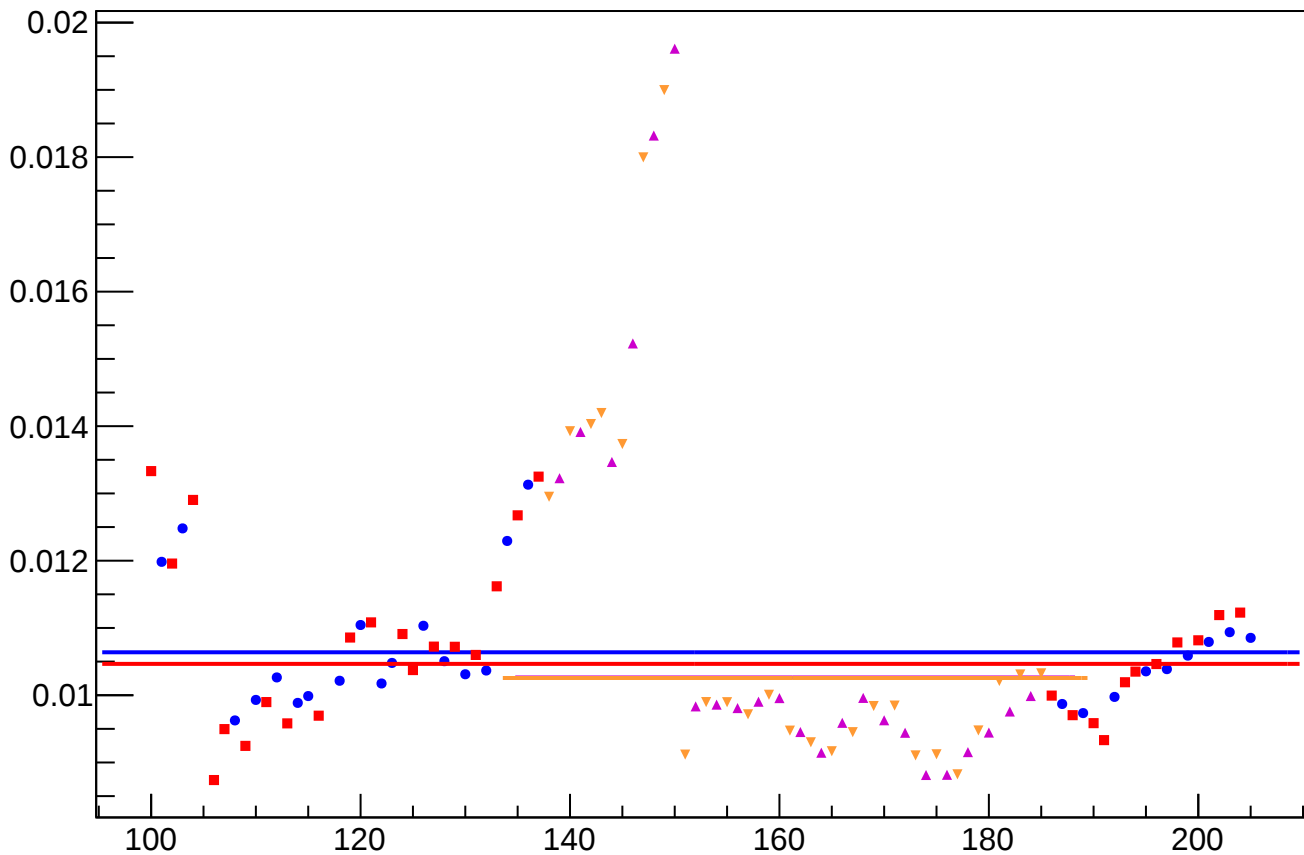
Left In: -2.185 $\pm$ 0.000 χ^2 /NDF: 3372742534.3/22

+ sign -1.301 $\pm$ 0.000 χ^2 /NDF: 332088917891.0/50

All: -1.252 $\pm$ 0.000 χ^2 /NDF: 680529301012.1

- sign -1.205 $\pm$ 0.000 χ^2 /NDF: 347136705837.5/52

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 151242.7/25

Left Out: 0.010+/-0.000 χ^2/NDF :1270617.6/24

Right Out: 0.010+/-0.000 χ^2/NDF : 221368.2/29

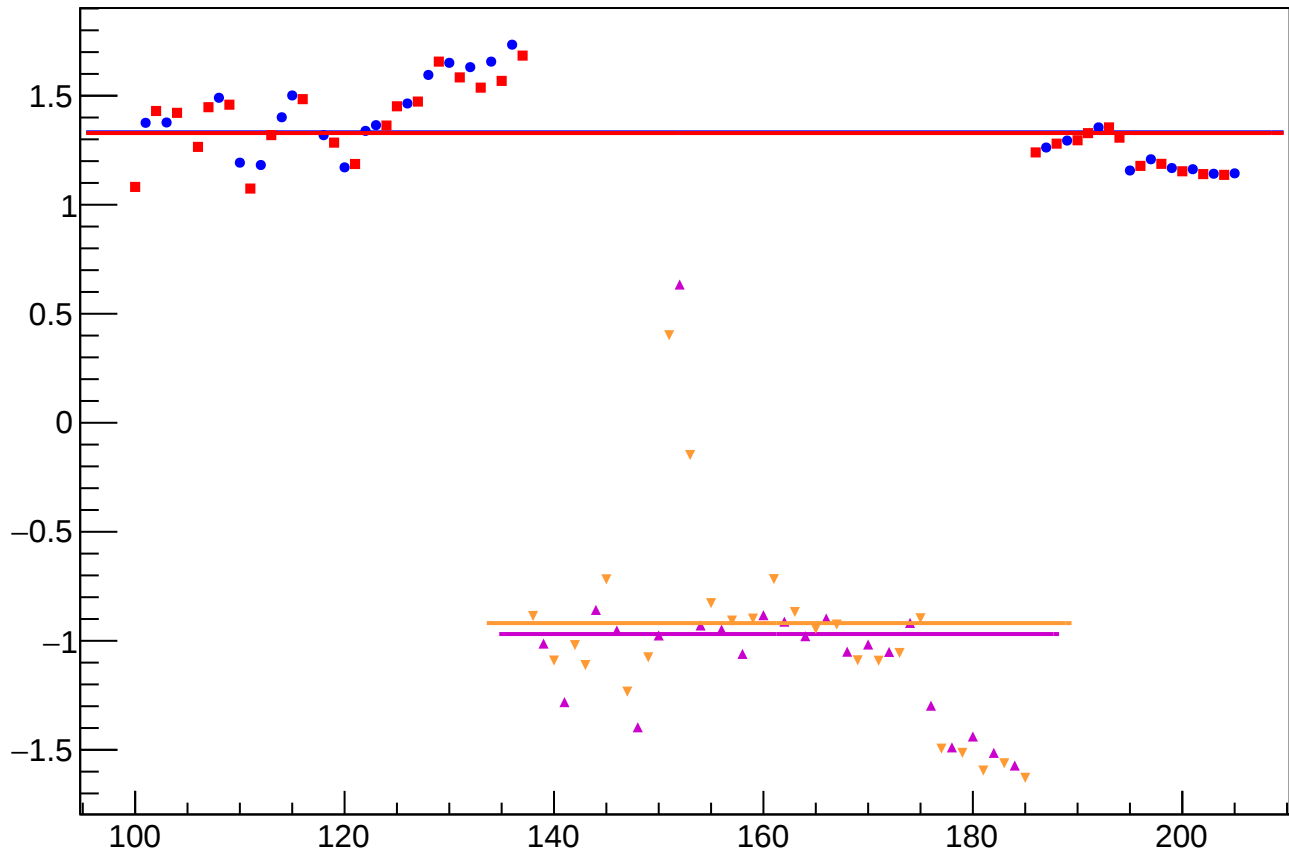
Left In: 0.010+/-0.000 χ^2/NDF :1340264.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 1441691.0/50

All: 0.010+/-0.000 χ^2/NDF : 3009943.2/103

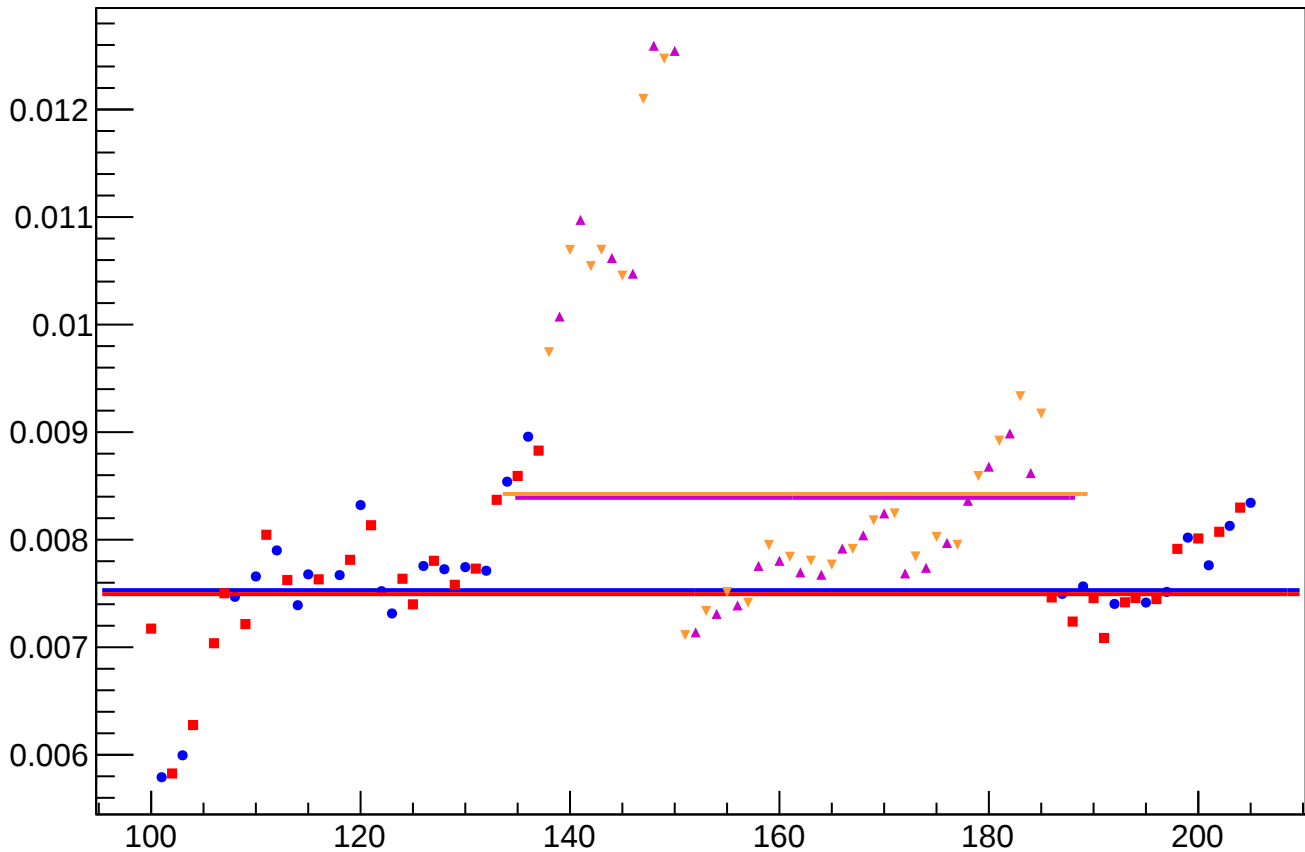
- sign 0.010+/-0.000 χ^2/NDF : 1567370.6/52

yield_bpm1i02Y_mean vs Slug



Right In: 1.332 $\pm$ 0.000	χ^2 /NDF: 7097649698.8/25	+ sign 0.145 $\pm$ 0.000	χ^2 /NDF: 666555436214.3/50
Left Out: -0.919 $\pm$ 0.000	χ^2 /NDF: 55622252895.8/24	All: 0.175 $\pm$ 0.000	χ^2 /NDF: 1373567745621.3/50
Right Out: 1.329 $\pm$ 0.000	χ^2 /NDF: 5408863189.6/29	- sign 0.205 $\pm$ 0.000	χ^2 /NDF: 706147989150.3/52
Left In: -0.969 $\pm$ 0.000	χ^2 /NDF: 54895002535.8/22		

yield_bpm1i02Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 269129.7/25

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

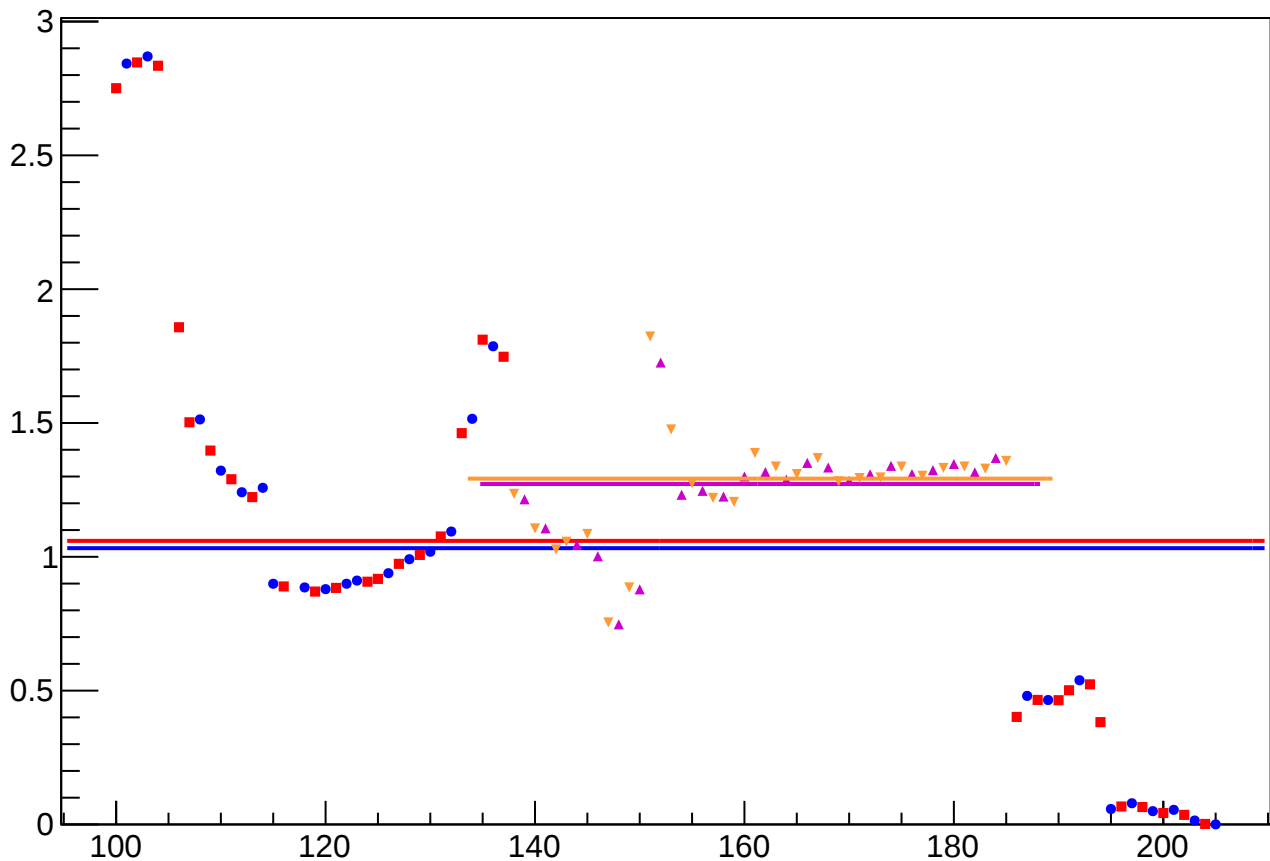
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 839880.4/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1252239.9/50

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2501607.6/103

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1246944.5/52

yield_bpm1i04X_mean vs Slug



Right In: 1.032 ± 0.000 $\chi^2/\text{NDF}: 115039851960.3/25$

Left Out: 1.292 ± 0.000 $\chi^2/\text{NDF}: 9305298695.5/24$

Right Out: 1.060 ± 0.000 $\chi^2/\text{NDF}: 110130522395.7/29$

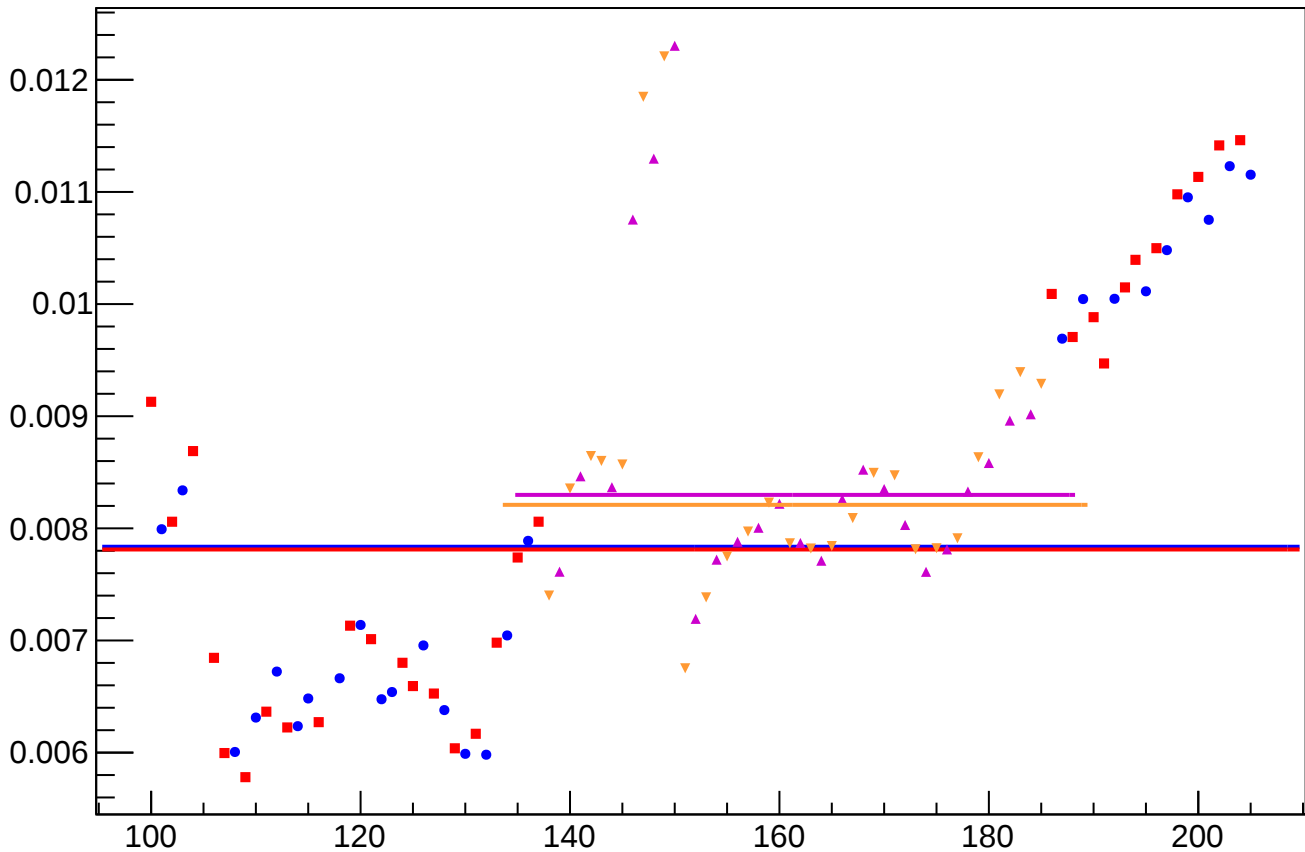
Left In: 1.272 ± 0.000 $\chi^2/\text{NDF}: 7573930981.2/22$

+ sign 1.180 ± 0.000 $\chi^2/\text{NDF}: 132017445163.5/50$

All: 1.176 ± 0.000 $\chi^2/\text{NDF}: 254949042656.7$

- sign 1.171 ± 0.000 $\chi^2/\text{NDF}: 122915025799.1/52$

yield_bpm1i04X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 1344068.7/25

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

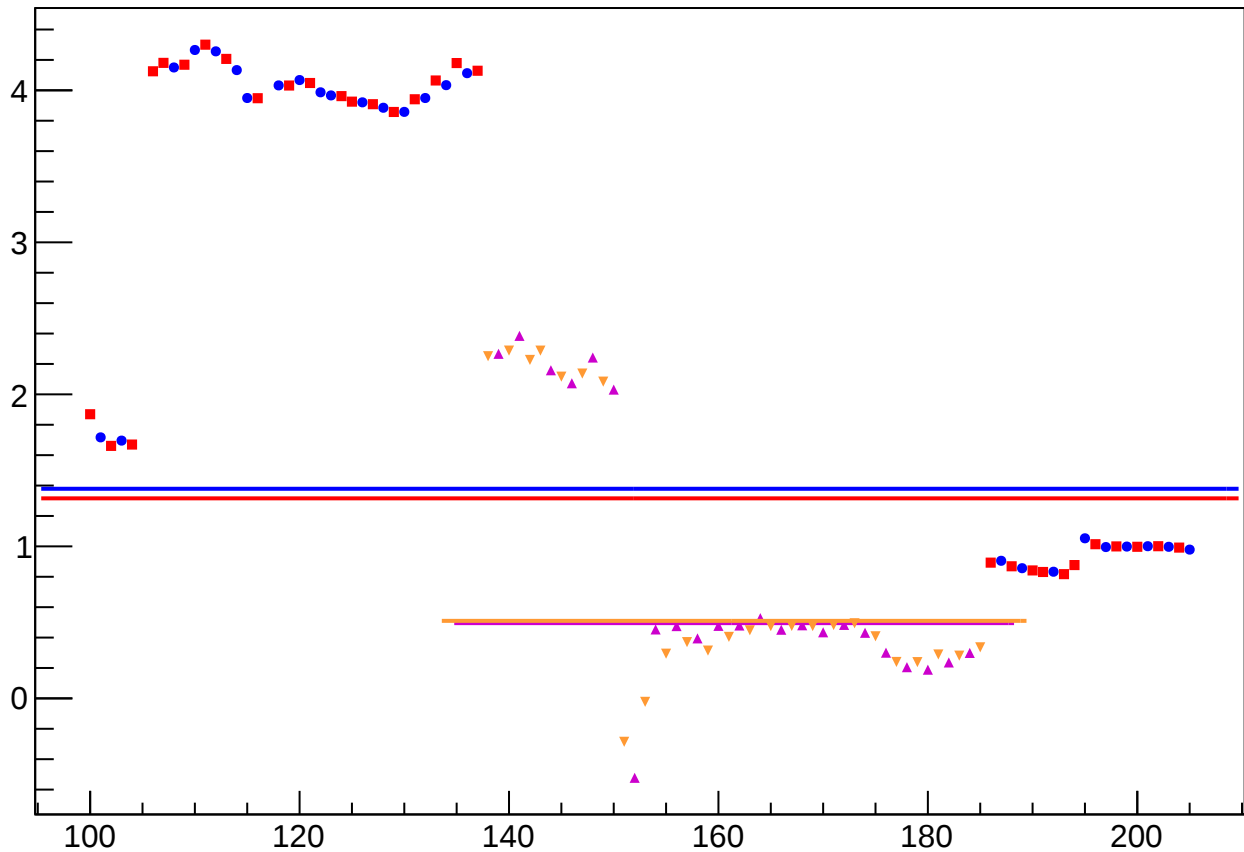
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:462022.1/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1854672.0/50

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 3905978.4/103

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2051129.9/52

yield_bpm1i04Y_mean vs Slug



Right In: 1.379+/-0.000 χ^2/NDF : 1451811307478.2/25

Left Out: 0.510+/-0.000 χ^2/NDF : 274818814912.4/24

Right Out: 1.316+/-0.000 χ^2/NDF : 1666303792989.2/29

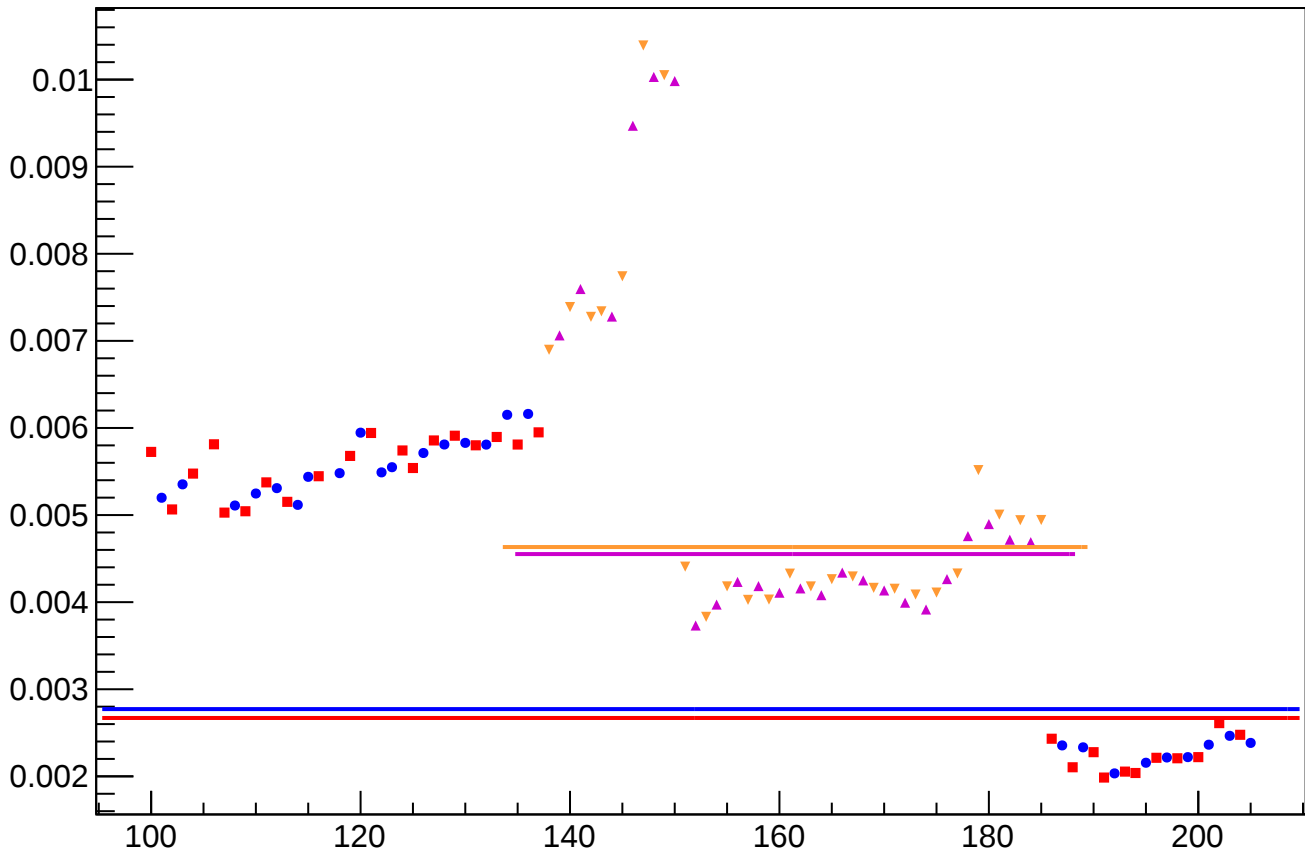
Left In: 0.495+/-0.000 χ^2/NDF : 268863202792.4/22

+ sign 1.064+/-0.000 χ^2/NDF : 2100240156959.4/50

All: 1.057+/-0.000 χ^2/NDF : 4381869018964.0

- 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 : 4074465.3/25

Left Out: 0.005+/-0.000 χ^2/NDF : 2114007.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 4419528.1/29

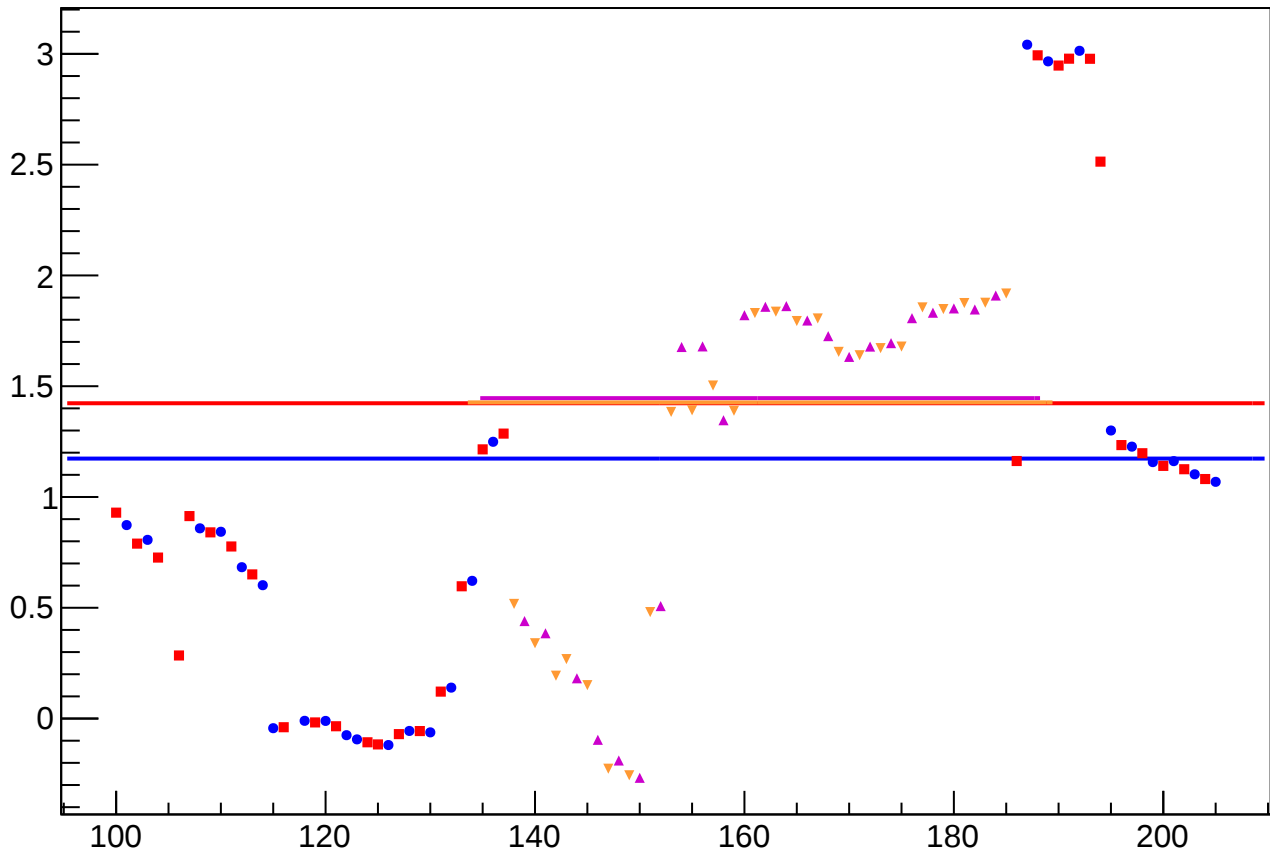
Left In: 0.005+/-0.000 χ^2/NDF : 2237666.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 9614991.8/50

All: 0.003+/-0.000 χ^2/NDF : 19979238.3/103

- sign 0.003+/-0.000 χ^2/NDF : 10298169.9/52

yield_bpm1i06X_mean vs Slug



Right In: 1.173+/-0.000 χ^2/NDF : 72688820806.7/25

Left Out: 1.427+/-0.000 χ^2/NDF : 49990787038.3/24

Right Out: 1.423+/-0.000 χ^2/NDF : 99371266086.4/29

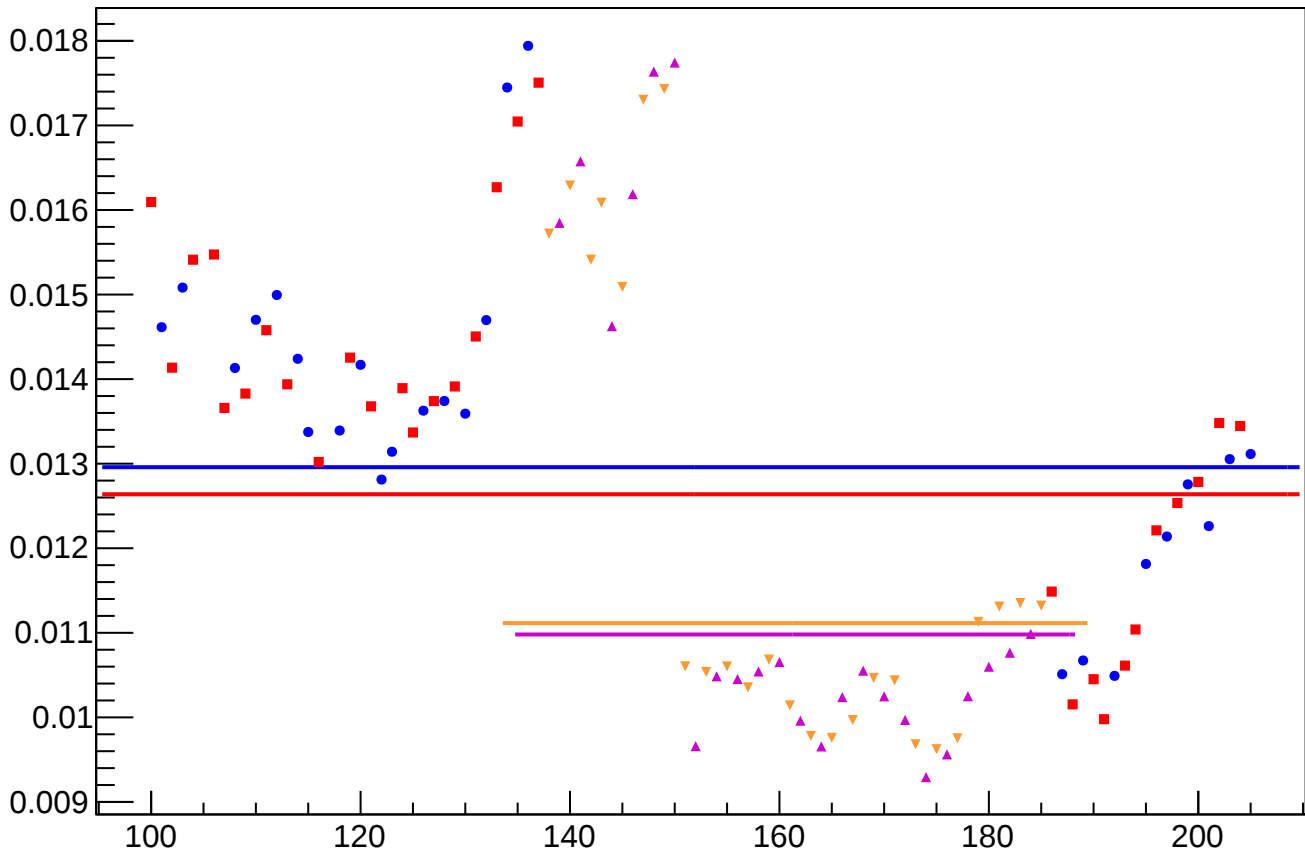
Left In: 1.446+/-0.000 χ^2/NDF : 53752493130.3/22

+ sign 1.339+/-0.000 χ^2/NDF : 125851058388.3/50

All: 1.389+/-0.000 χ^2/NDF : 280065816917.9

- sign 1.437+/-0.000 χ^2/NDF : 153151831302.0/52

yield_bpm1i06X_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2/NDF : 435031.3/25

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

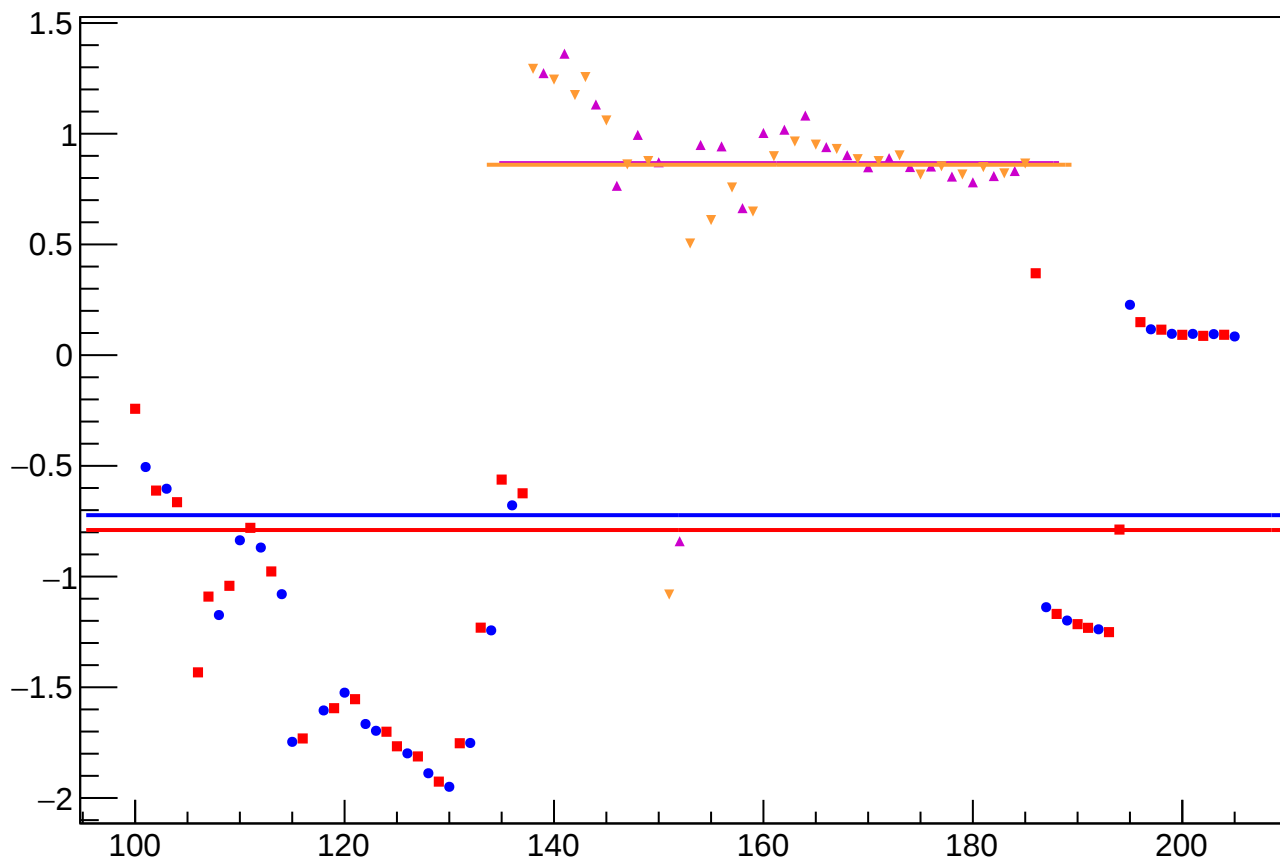
Left In: 0.011 $\pm$ 0.000 χ^2/NDF :1264827.0/22

+ sign 0.012 $\pm$ 0.000 χ^2/NDF : 1997820.4/50

All: 0.012 $\pm$ 0.000 χ^2/NDF : 4115606.0/103

- sign 0.012 $\pm$ 0.000 χ^2/NDF : 2113694.0/52

yield_bpm1i06Y_mean vs Slug



Right In: -0.723+/-0.000 χ^2/NDF : 161885399473.0/25

Left Out: 0.860+/-0.000 χ^2/NDF :126335891175.4/24

Right Out: -0.790+/-0.000 χ^2/NDF : 143593246520.3/29

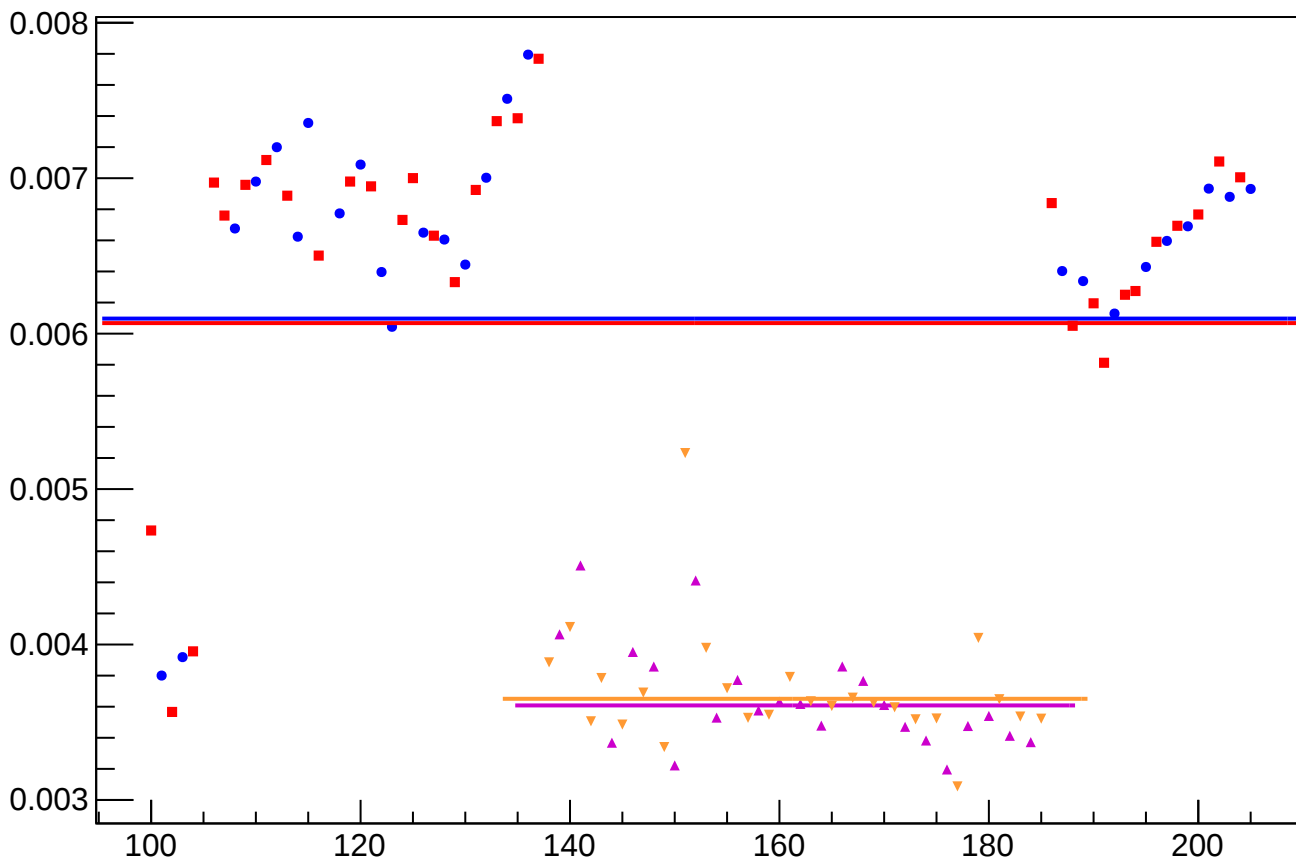
Left In: 0.867+/-0.000 χ^2/NDF :147039402944.6/22

+ sign 0.538+/-0.000 χ^2/NDF : 927112419714.6/50

All: 0.516+/-0.000 χ^2/NDF : 1966242975160.

- 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: 981391.2/25

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

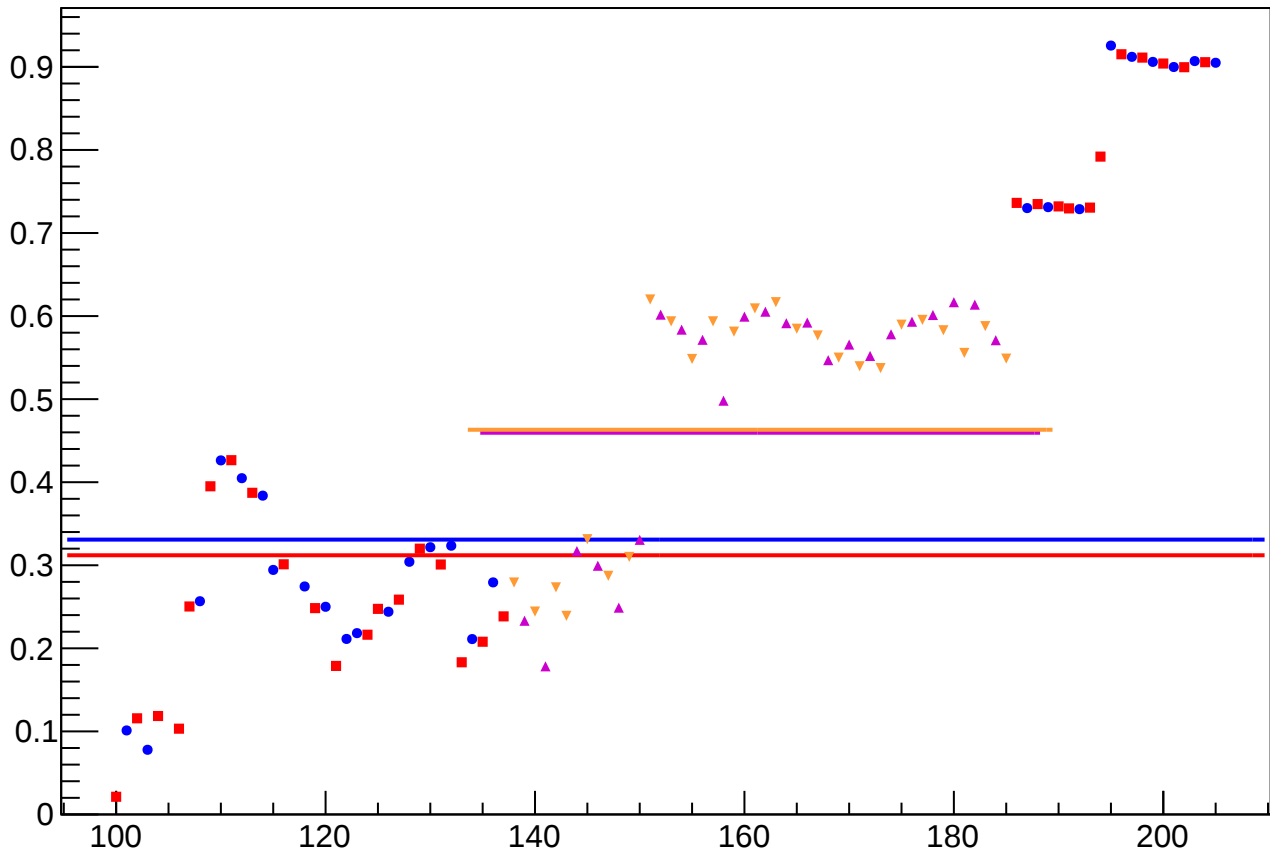
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:227861.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 4271007.3/50

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 8860673.8/103

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 4589362.7/52

yield_bpm2i01X_mean vs Slug



Right In: 0.331 $\pm$ 0.000 χ^2 /NDF: 134582616285.6/25

Left Out: 0.463 $\pm$ 0.000 χ^2 /NDF:102506270538.7/24

Right Out: 0.312 $\pm$ 0.000 χ^2 /NDF: 147144126456.9/29

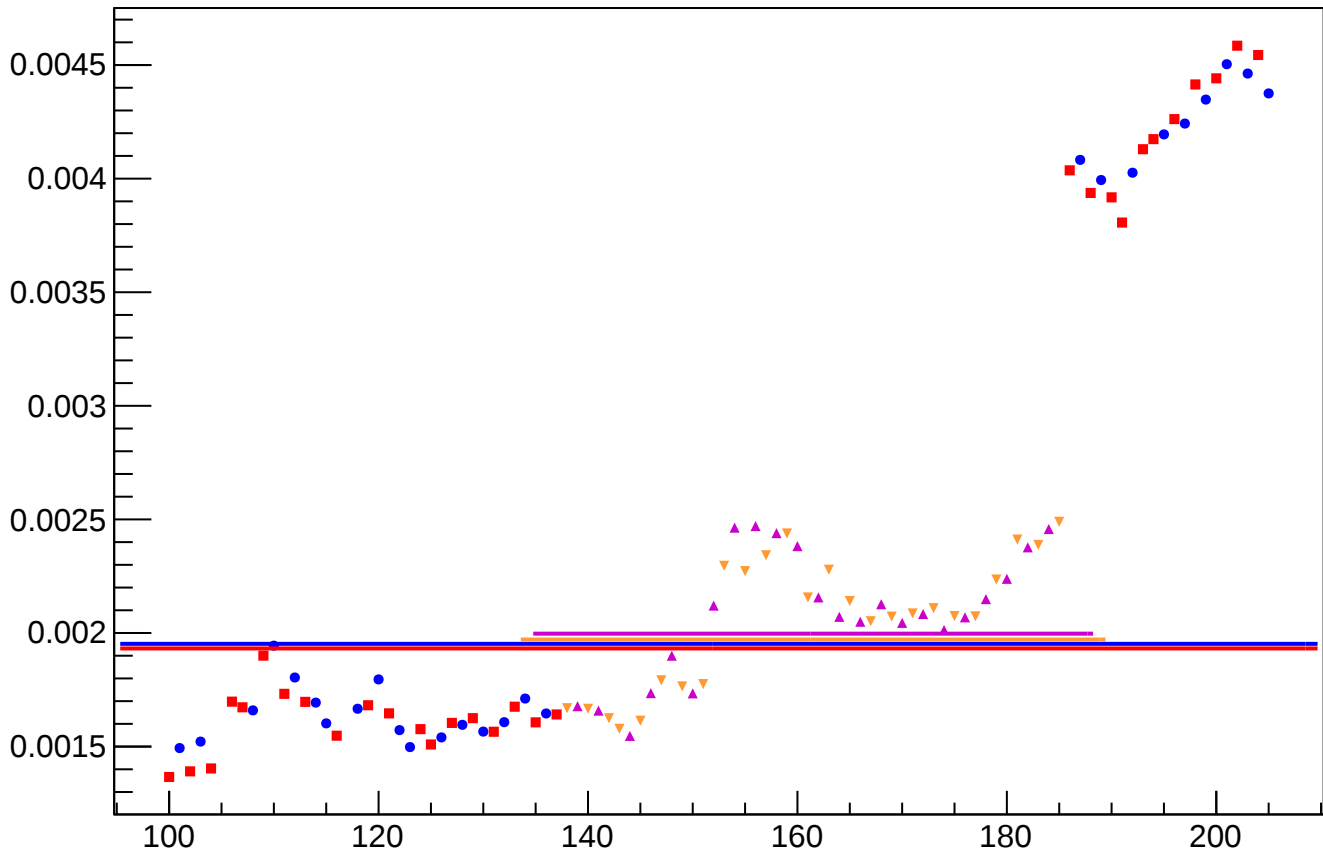
Left In: 0.460 $\pm$ 0.000 χ^2 /NDF:104559088628.4/22

+ sign 0.413 $\pm$ 0.000 χ^2 /NDF: 267403061303.6/50

All: 0.405 $\pm$ 0.000 χ^2 /NDF: 559030107057.1

- sign 0.397 $\pm$ 0.000 χ^2 /NDF: 290628476192.8/52

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 4287121.3/25

Left Out: 0.002+/-0.000 χ^2/NDF : 730203.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 4883592.3/29

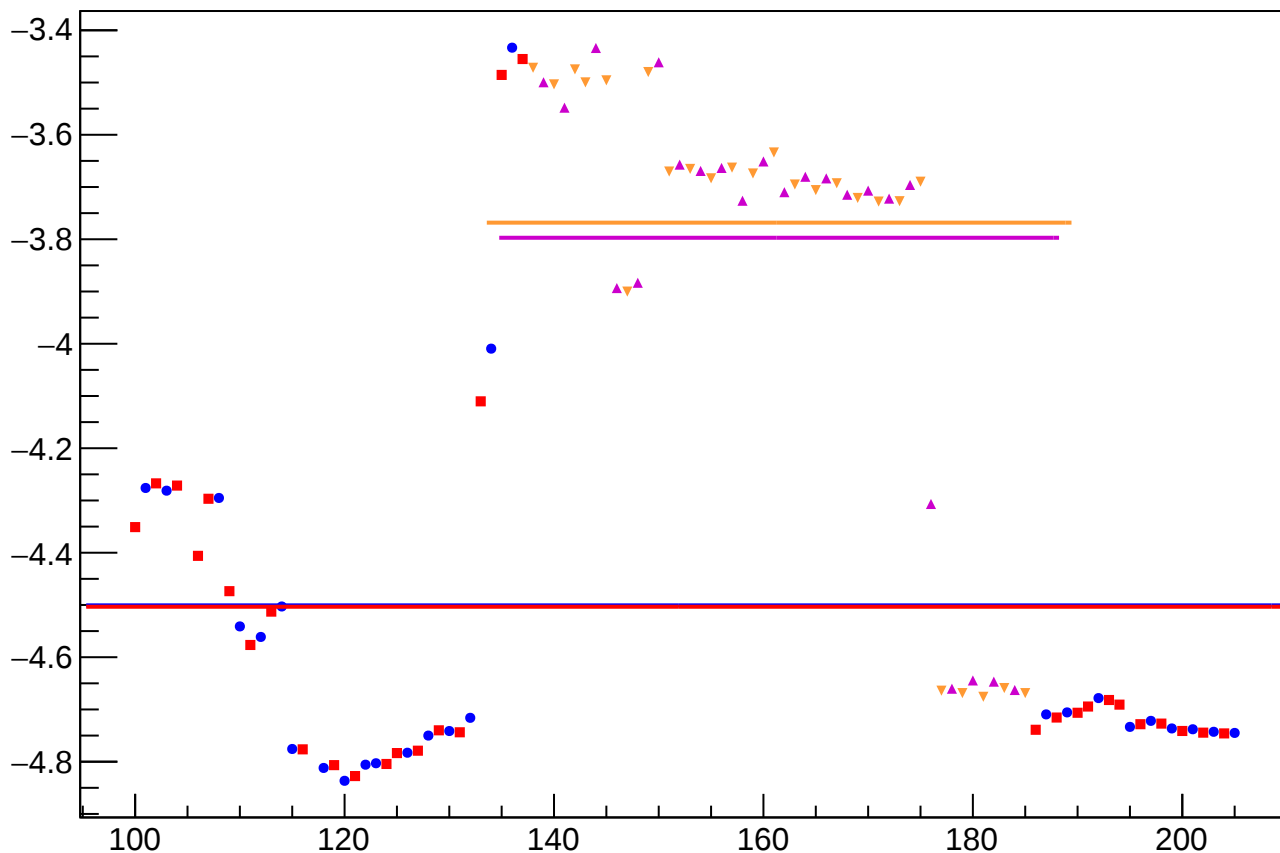
Left In: 0.002+/-0.000 χ^2/NDF : 666404.2/22

+ sign 0.002+/-0.000 χ^2/NDF : 5018553.5/50

All: 0.002+/-0.000 χ^2/NDF : 10583944.5/103

- sign 0.002+/-0.000 χ^2/NDF : 5565177.4/52

yield_bpm2i01Y_mean vs Slug



Right In: -4.501+/-0.000 χ^2/NDF : 429754434552.2/25

Left Out: -3.768+/-0.000 χ^2/NDF : 516780173940.8/24

Right Out: -4.503+/-0.000 χ^2/NDF : 365836629029.0/29

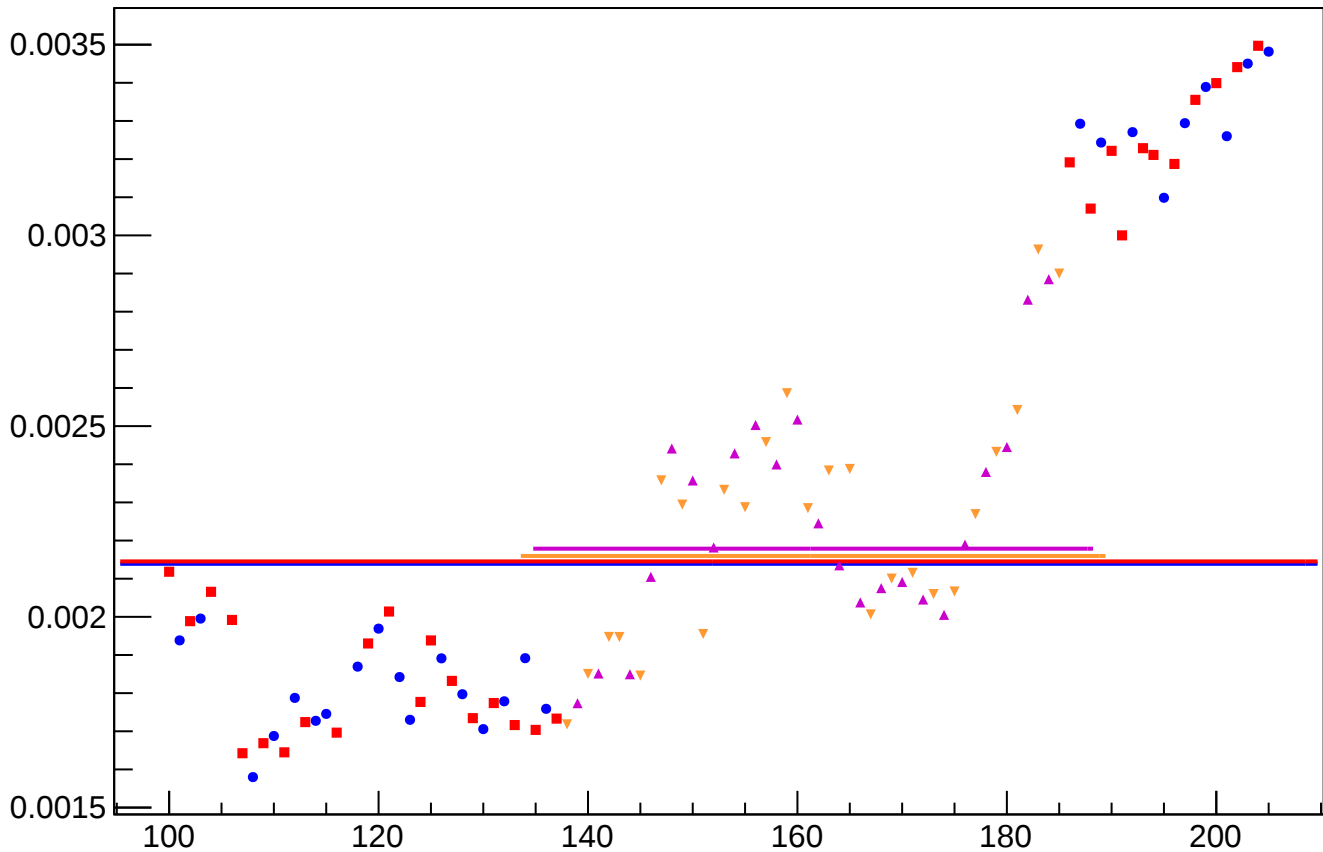
Left In: -3.797+/-0.000 χ^2/NDF : 444886272608.9/22

+ sign -4.063+/-0.000 χ^2/NDF : 1769407541720.8/5

All: -4.085+/-0.000 χ^2/NDF : 3365149170038

- sign -4.108+/-0.000 χ^2/NDF : 1589344415039.9/52

yield_bpm2i01Y_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2068818.6/25

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:547831.5/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 2262951.8/29

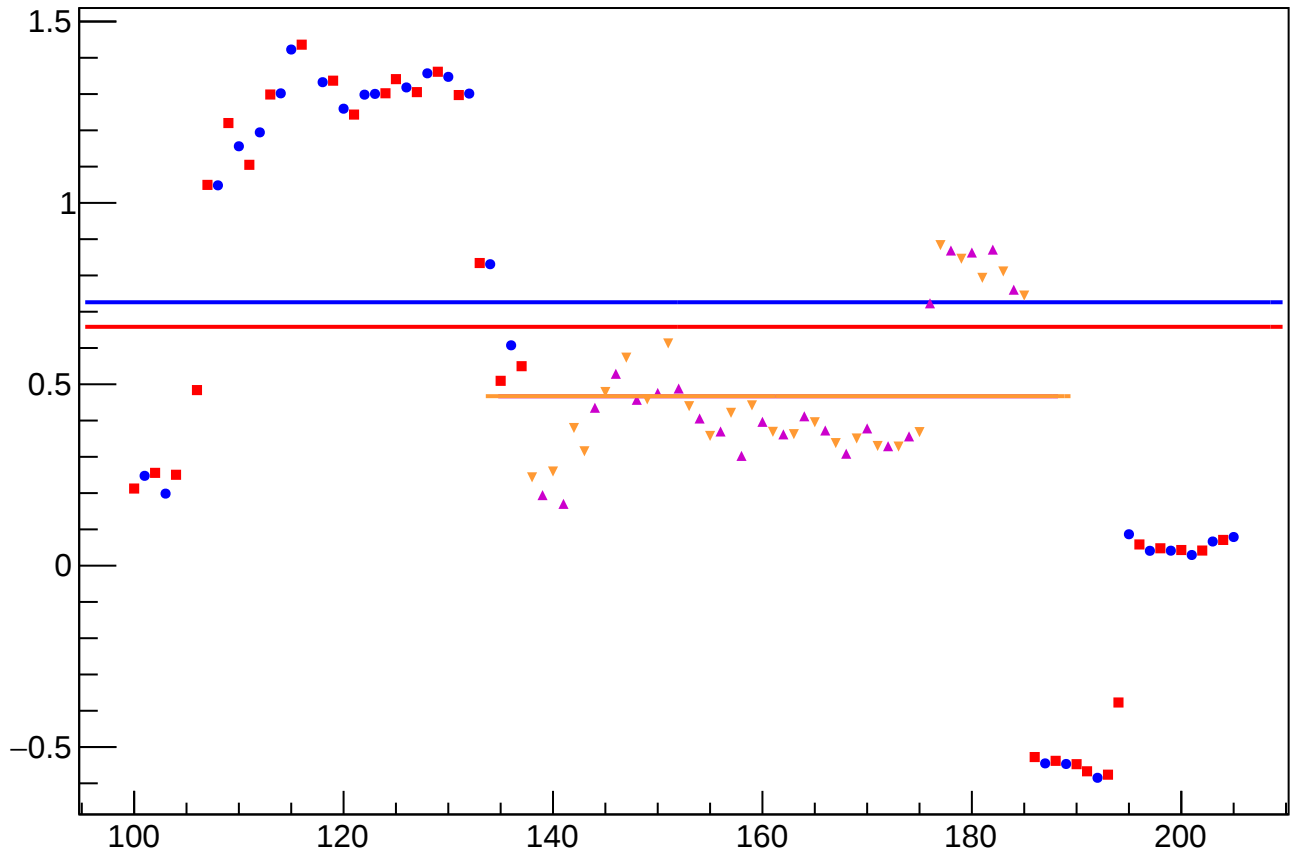
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:463279.7/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2617948.7/50

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5348679.9/103

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2729709.2/52

yield_bpm2i02X_mean vs Slug



Right In: 0.726 $\pm$ 0.000 χ^2 /NDF: 73000080881.8/25

Left Out: 0.467 $\pm$ 0.000 χ^2 /NDF: 7359344143.3/24

+ sign 0.584 $\pm$ 0.000 χ^2 /NDF: 86699439295.1/50

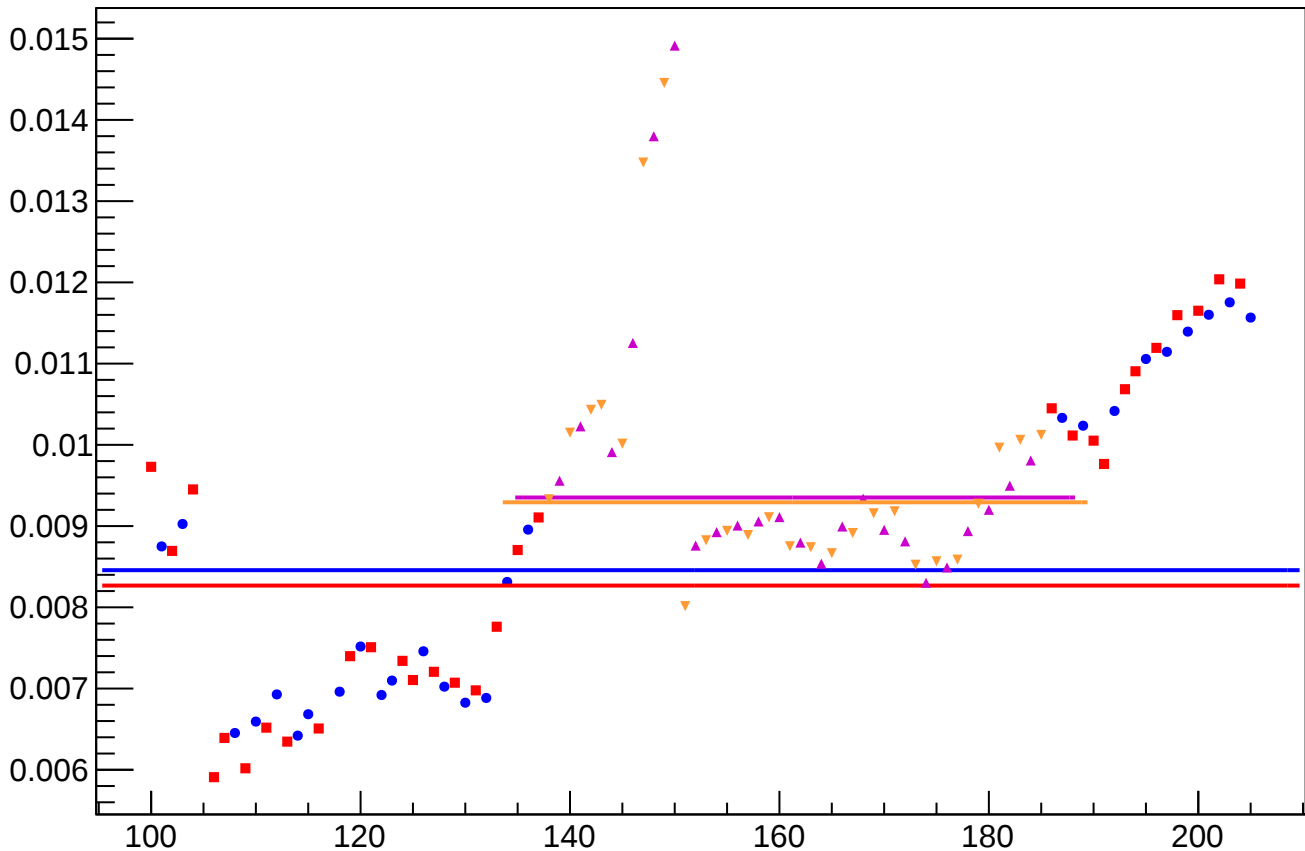
Right Out: 0.658 $\pm$ 0.000 χ^2 /NDF: 93688020264.1/29

All: 0.574 $\pm$ 0.000 χ^2 /NDF: 192091866621.5

Left In: 0.467 $\pm$ 0.000 χ^2 /NDF: 8036741308.0/22

- 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 : 1225034.8/25

Left Out: 0.009+/-0.000 χ^2/NDF :528279.5/24

Right Out: 0.008+/-0.000 χ^2/NDF : 1541049.4/29

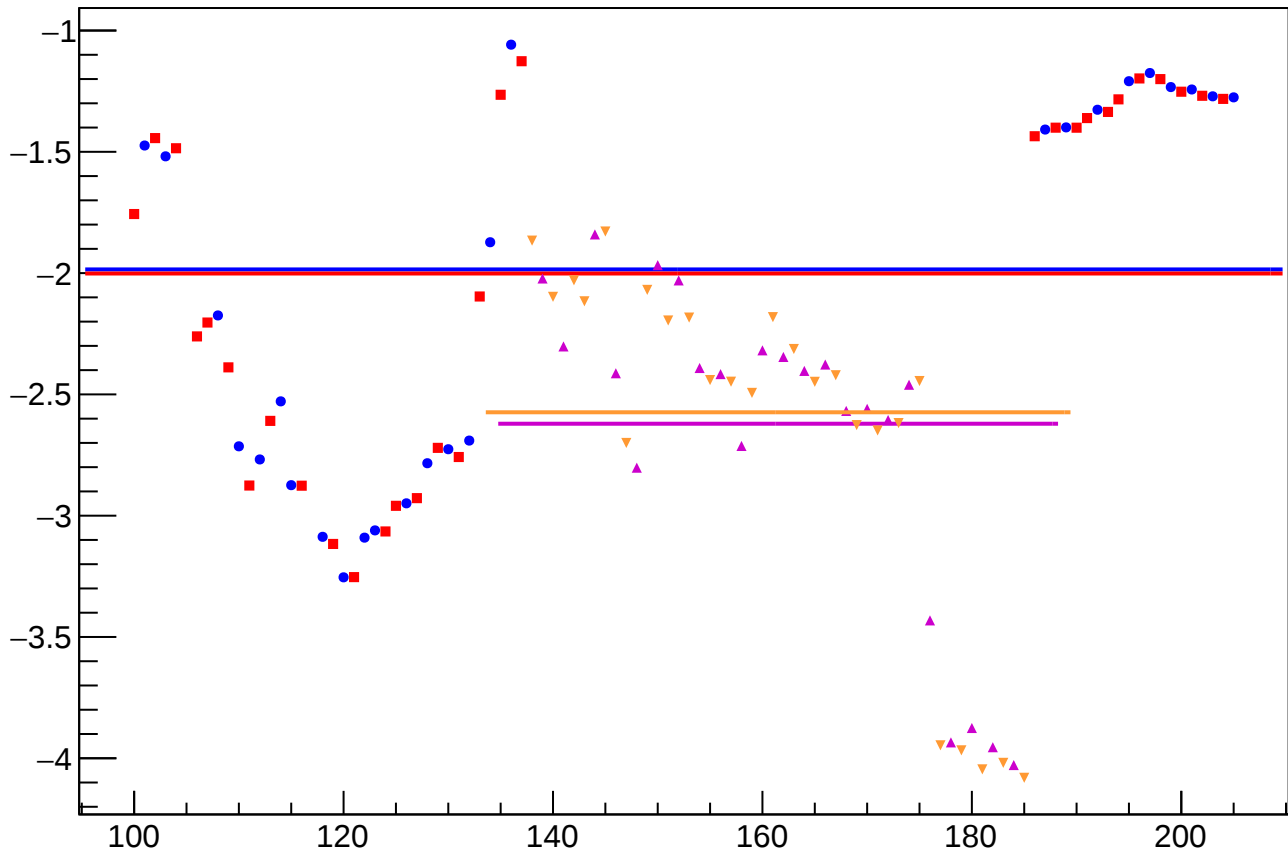
Left In: 0.009+/-0.000 χ^2/NDF :557555.2/22

+ sign 0.009+/-0.000 χ^2/NDF : 1885377.6/50

All: 0.009+/-0.000 χ^2/NDF : 4217801.5/103

- sign 0.009+/-0.000 χ^2/NDF : 2327993.1/52

yield_bpm2i02Y_mean vs Slug



Right In: -1.985 ± 0.000 $\chi^2/\text{NDF}: 120741556782.4/25$

Left Out: -2.574 ± 0.000 $\chi^2/\text{NDF}: 99176112704.9/24$

Right Out: -2.002 ± 0.000 $\chi^2/\text{NDF}: 117433412370.0/29$

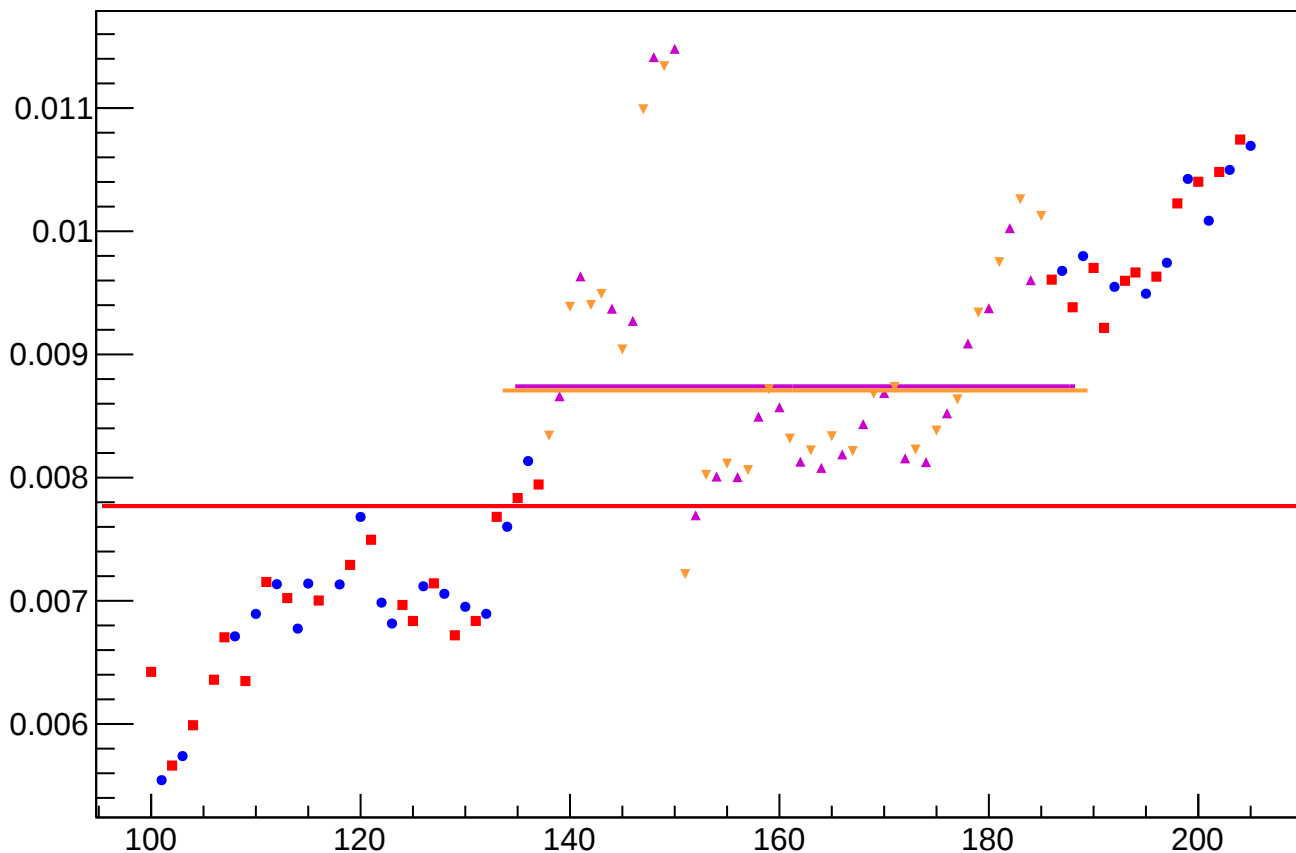
Left In: -2.621 ± 0.000 $\chi^2/\text{NDF}: 80862402796.4/22$

+ sign -2.301 ± 0.000 $\chi^2/\text{NDF}: 258363507661.7/50$

All: -2.306 ± 0.000 $\chi^2/\text{NDF}: 499837330220.1$

- sign -2.310 ± 0.000 $\chi^2/\text{NDF}: 241456129513.0/52$

yield_bpm2i02Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 1089422.1/25

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:369376.5/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 1103720.5/29

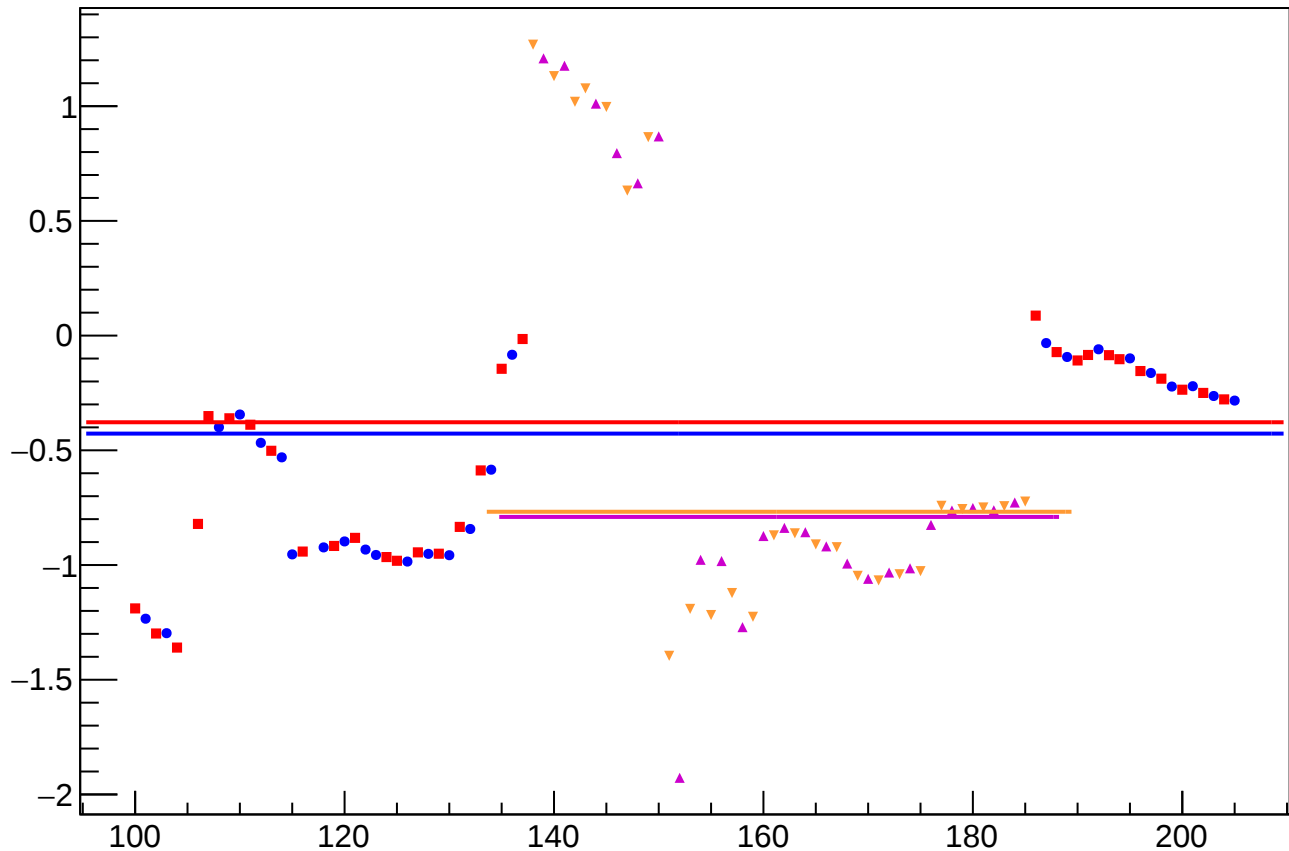
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:353750.0/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1654275.0/50

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 3324308.4/103

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1669867.3/52

yield_bpm0i01X_mean vs Slug



Right In: -0.427 ± 0.000 χ^2/NDF : 22353496220.8/25

Left Out: -0.768 ± 0.000 χ^2/NDF : 120774855982.9/24

Right Out: -0.378 ± 0.000 χ^2/NDF : 25015524299.9/29

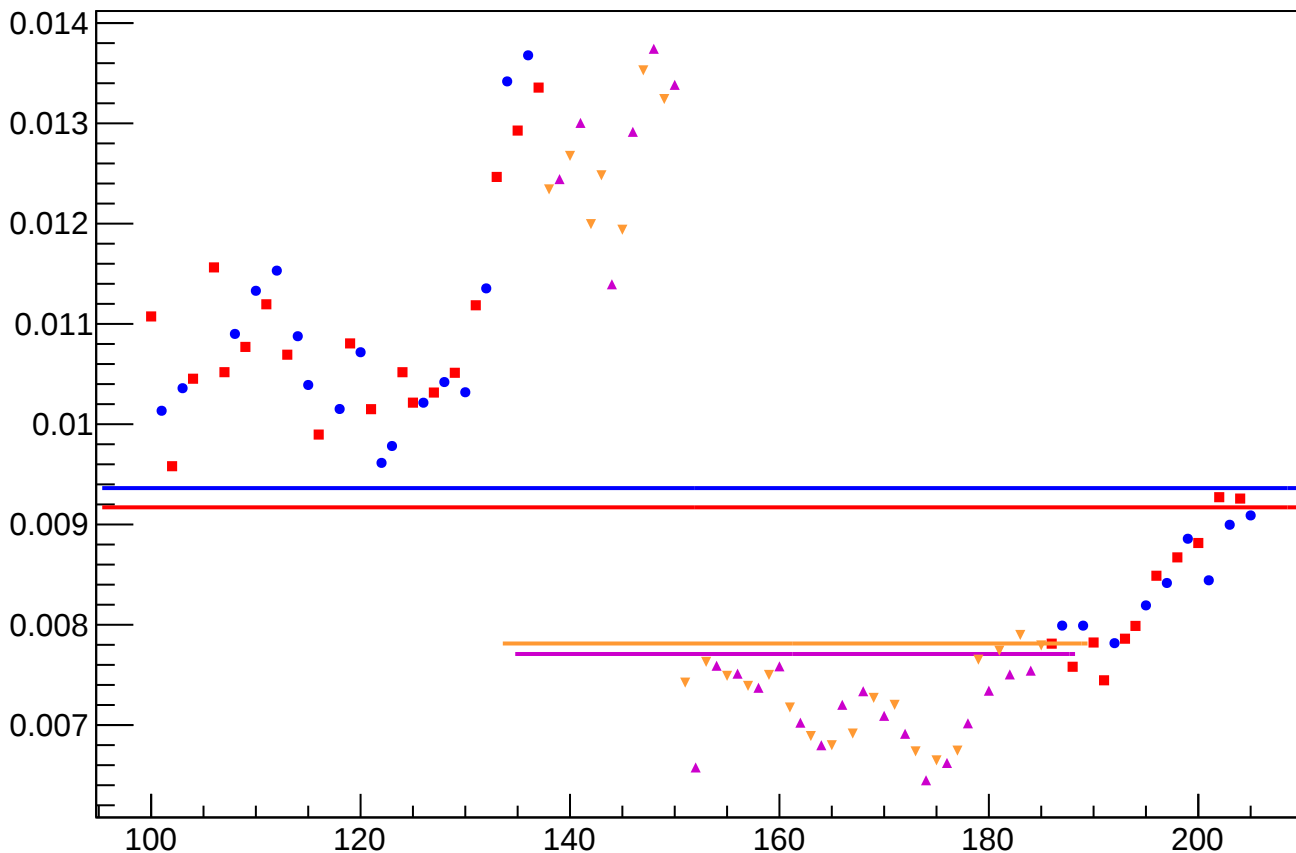
Left In: -0.790 ± 0.000 χ^2/NDF : 123452478408.2/22

+ sign -0.653 ± 0.000 χ^2/NDF : 154137258653.9/50

All: -0.645 ± 0.000 χ^2/NDF : 319942444056.6

- 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 : 540697.8/25

Left Out: 0.008+/-0.000 χ^2/NDF :1705997.6/24

Right Out: 0.009+/-0.000 χ^2/NDF : 628133.5/29

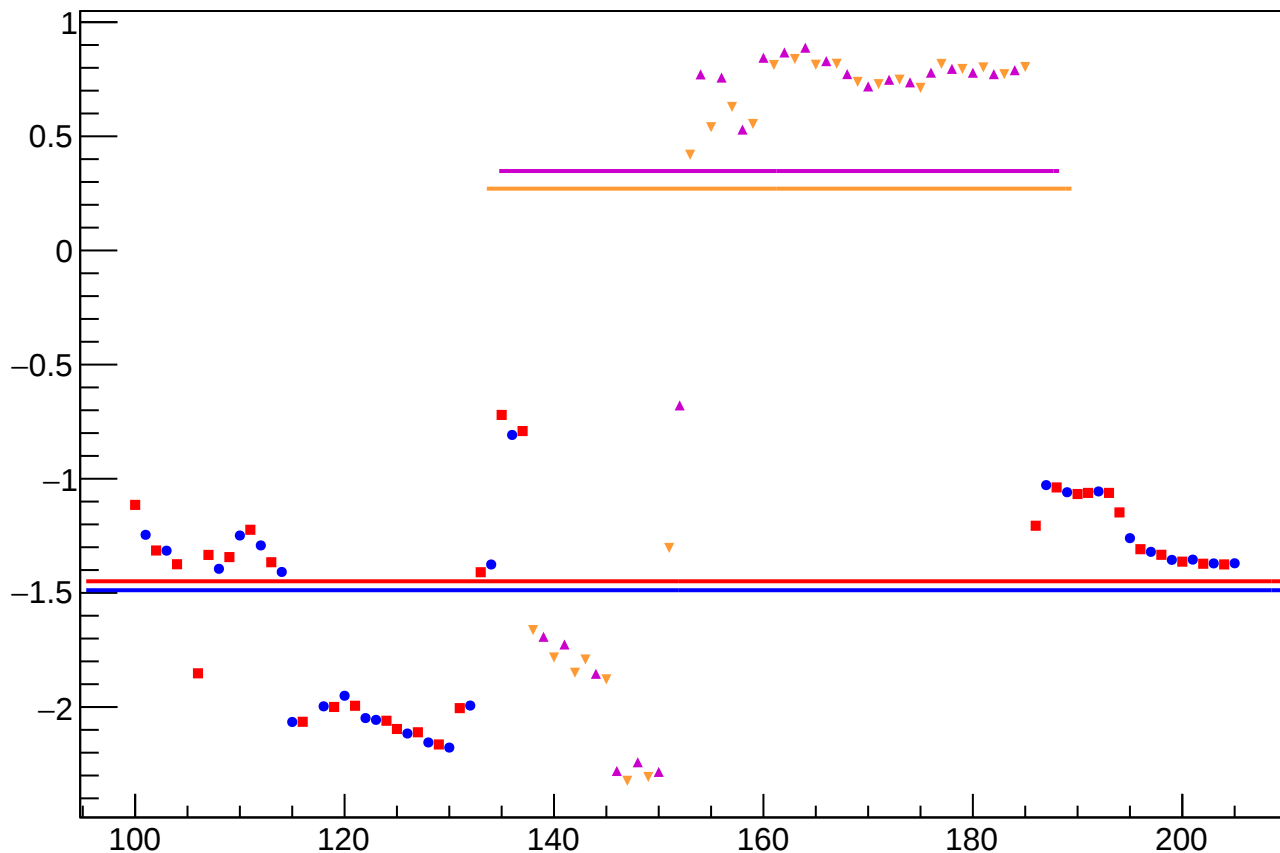
Left In: 0.008+/-0.000 χ^2/NDF :1746653.6/22

+ sign 0.008+/-0.000 χ^2/NDF : 2702418.9/50

All: 0.008+/-0.000 χ^2/NDF : 5514059.2/103

- sign 0.008+/-0.000 χ^2/NDF : 2808810.0/52

yield_bpm0i01Y_mean vs Slug



Right In: -1.488 ± 0.000 χ^2/NDF : 173948014142.0/25

Left Out: 0.271 ± 0.000 χ^2/NDF : 2583233987355.9/24

Right Out: -1.449 ± 0.000 χ^2/NDF : 163938578119.0/29

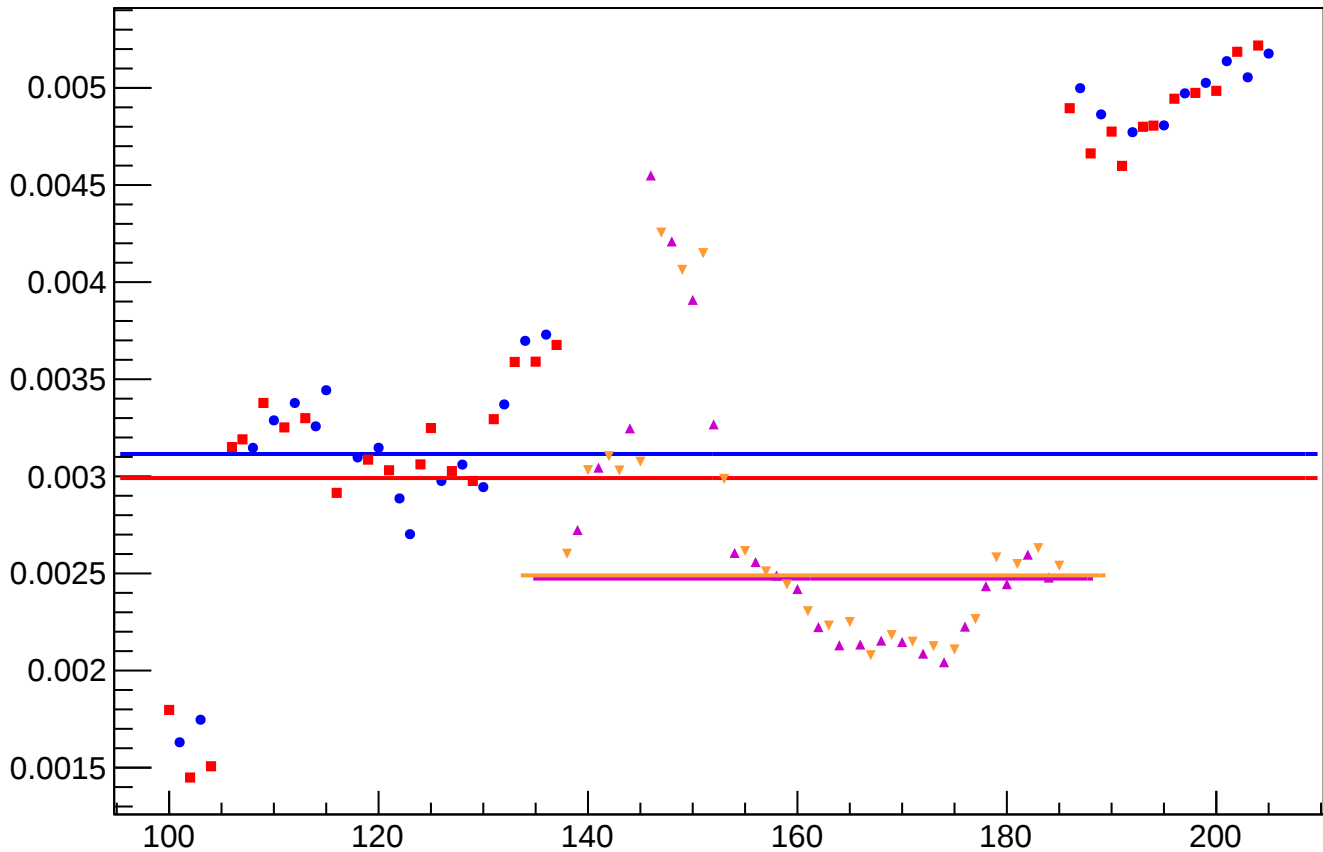
Left In: 0.348 ± 0.000 χ^2/NDF : 2274004426513.8/22

+ sign -0.248 ± 0.000 χ^2/NDF : 5151321384137.5/5

All: -0.252 ± 0.000 χ^2/NDF : 1027985824093

- 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 : 3225561.2/25

Left Out: 0.002+/-0.000 χ^2/NDF :1070282.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 4225464.5/29

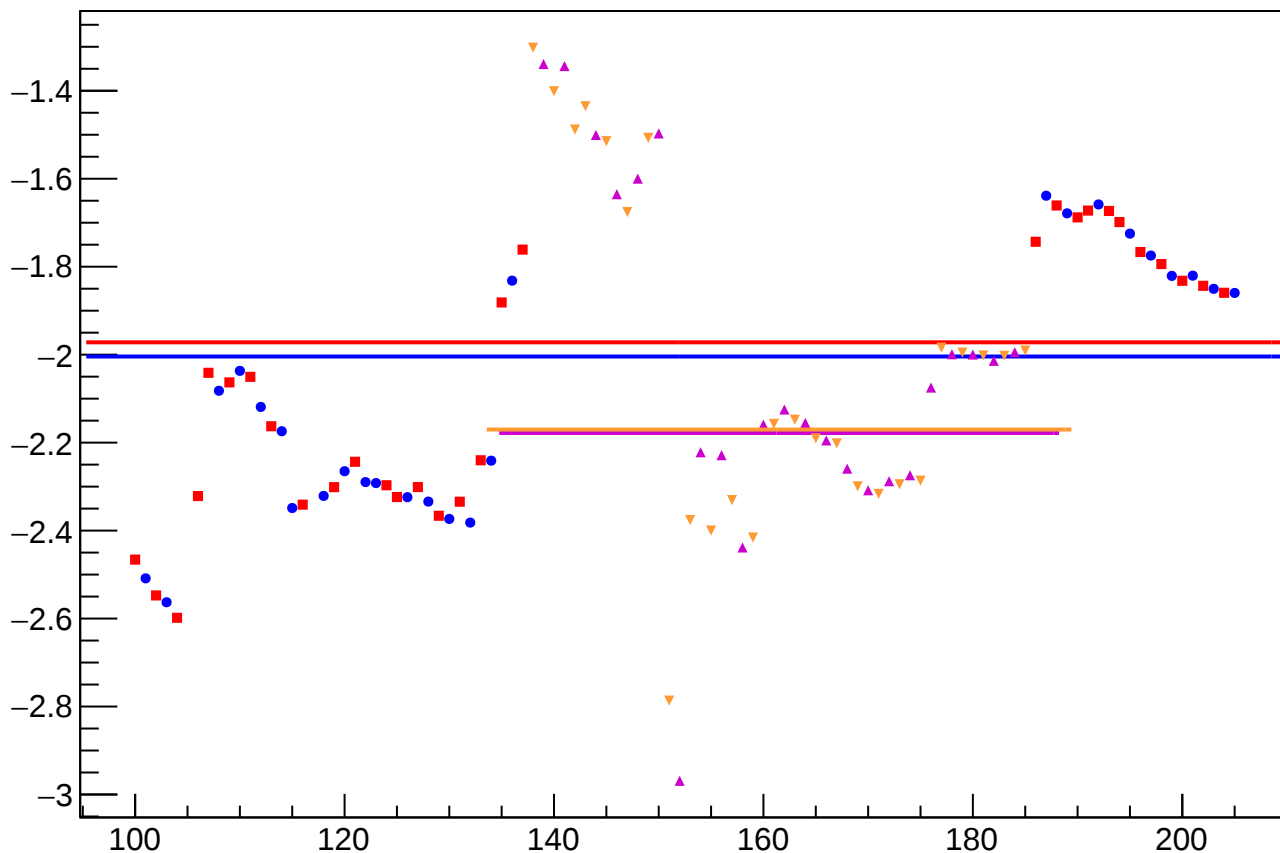
Left In: 0.002+/-0.000 χ^2/NDF :1135279.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 4900439.9/50

All: 0.003+/-0.000 χ^2/NDF : 10710547.1/103

- sign 0.003+/-0.000 χ^2/NDF : 5807324.5/52

yield_bpm0i01aX_mean vs Slug



Right In: -2.004+/-0.000 χ^2/NDF : 30187328780.9/25

Left Out: -2.170+/-0.000 χ^2/NDF : 59967315241.9/24

Right Out: -1.972+/-0.000 χ^2/NDF : 34527034861.3/29

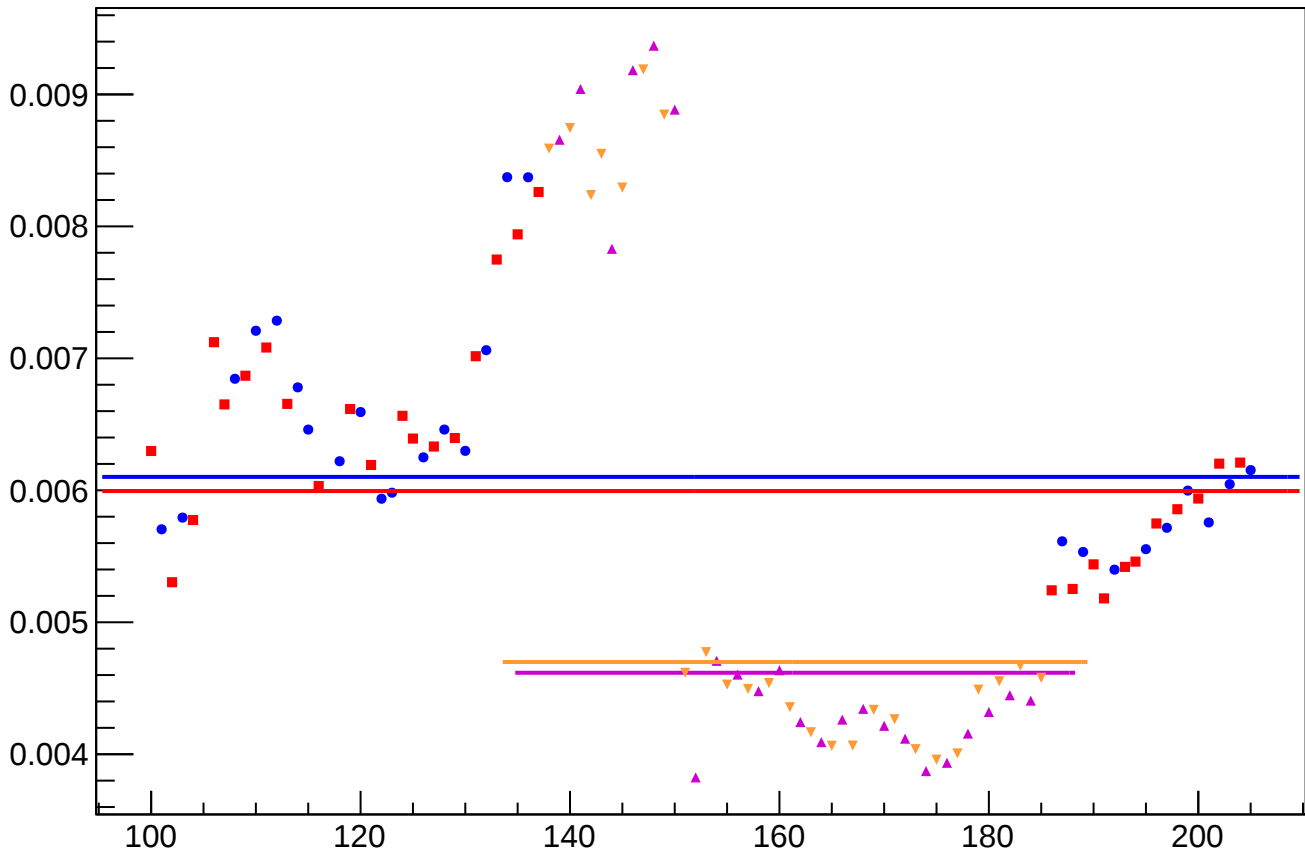
Left In: -2.178+/-0.000 χ^2/NDF : 73402051113.3/22

+ sign -2.119+/-0.000 χ^2/NDF : 96578397017.6/50

All: -2.113+/-0.000 χ^2/NDF : 215198702600.3

- 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 : 301884.4/25

Left Out: 0.005+/-0.000 χ^2/NDF :2319588.7/24

Right Out: 0.006+/-0.000 χ^2/NDF : 352773.2/29

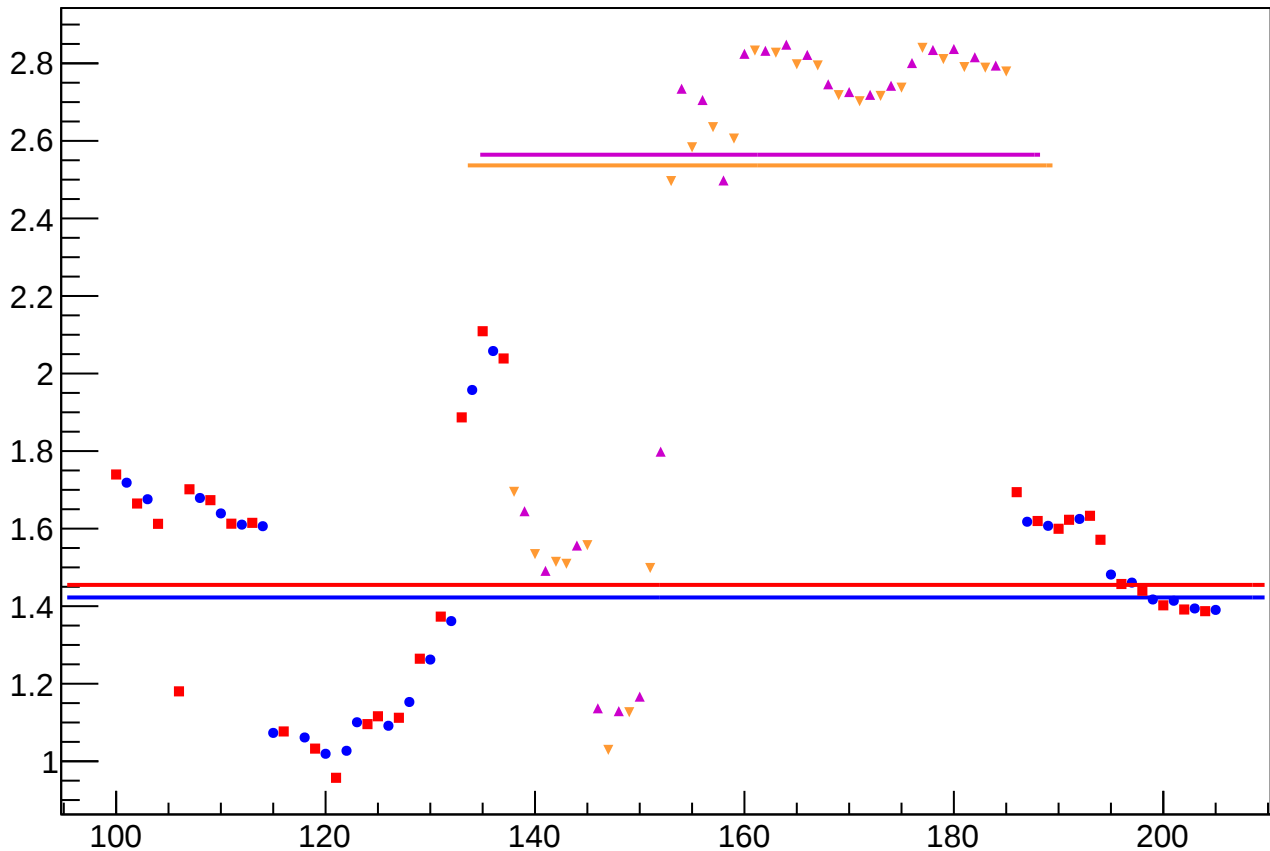
Left In: 0.005+/-0.000 χ^2/NDF :2367440.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 3538117.5/50

All: 0.005+/-0.000 χ^2/NDF : 7208874.6/103

- sign 0.005+/-0.000 χ^2/NDF : 3668603.0/52

yield_bpm0i01aY_mean vs Slug



Right In: 1.422+/-0.000 χ^2/NDF : 174135759893.8/25

Left Out: 2.537+/-0.000 χ^2/NDF : 269554948115.3/24

Right Out: 1.455+/-0.000 χ^2/NDF : 176900285442.2/29

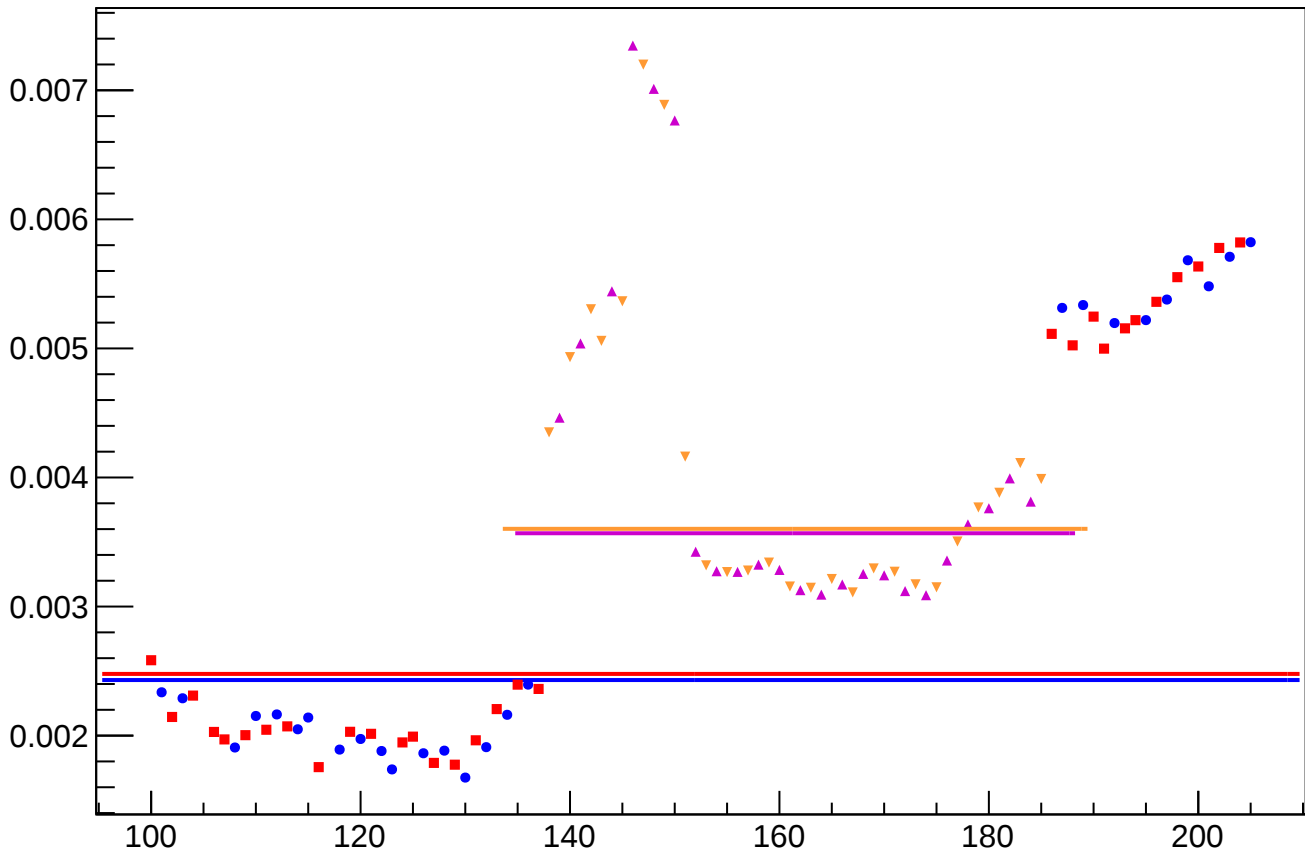
Left In: 2.564+/-0.000 χ^2/NDF : 260287937727.8/22

+ sign 1.899+/-0.000 χ^2/NDF : 1359664675292.7/50

All: 1.900+/-0.000 χ^2/NDF : 2698222916446.0

- sign 1.902+/-0.000 χ^2/NDF : 1338543950138.6/52

yield_bpm0i01aY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 4543435.3/25

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1410717.8/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 4840219.9/29

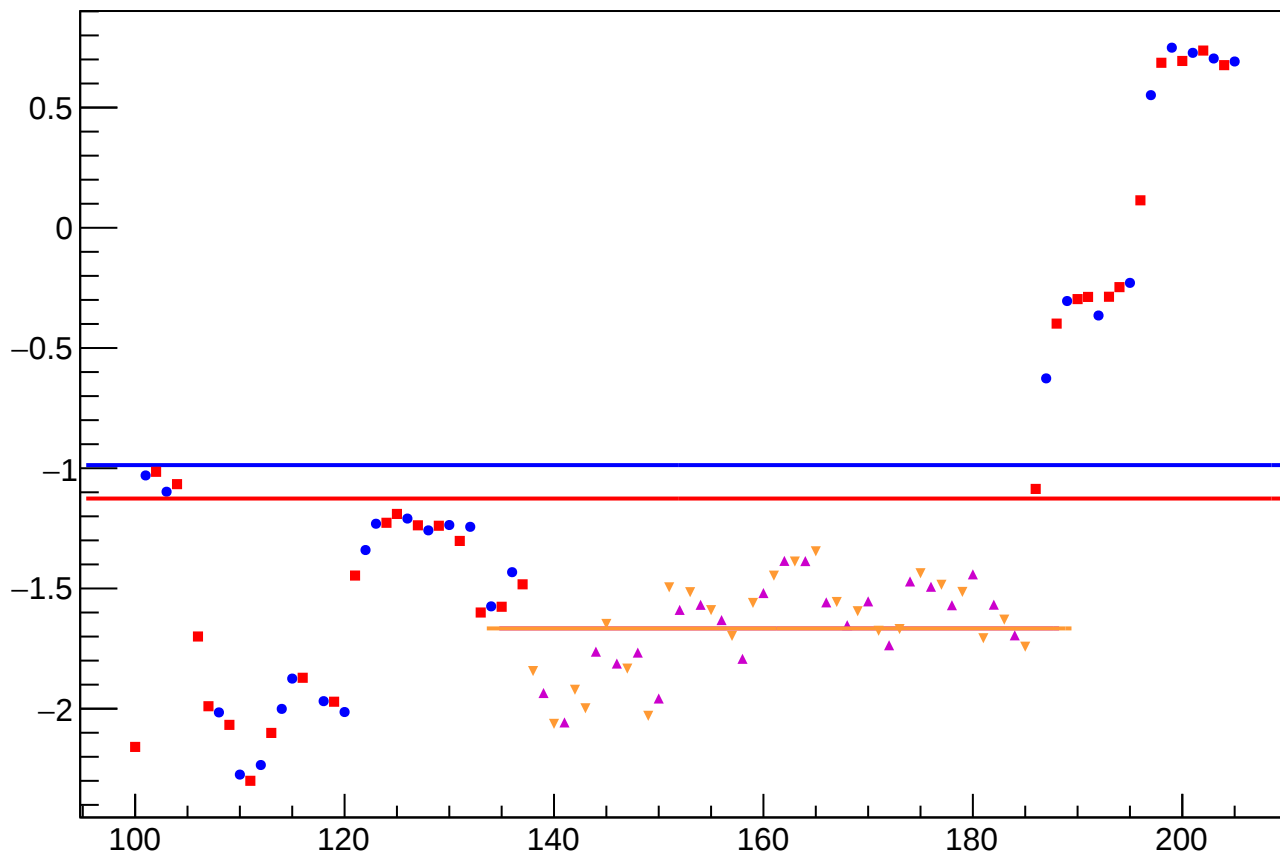
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1563028.0/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 7979609.9/50

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 16123036.2/103

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 8142813.5/52

yield_bpm0l01X_mean vs Slug



Right In: -0.987+/-0.000 χ^2/NDF : 161466842954.9/25

Left Out: -1.666+/-0.000 χ^2/NDF : 18325162131.2/24

Right Out: -1.126+/-0.000 χ^2/NDF : 177686111443.4/29

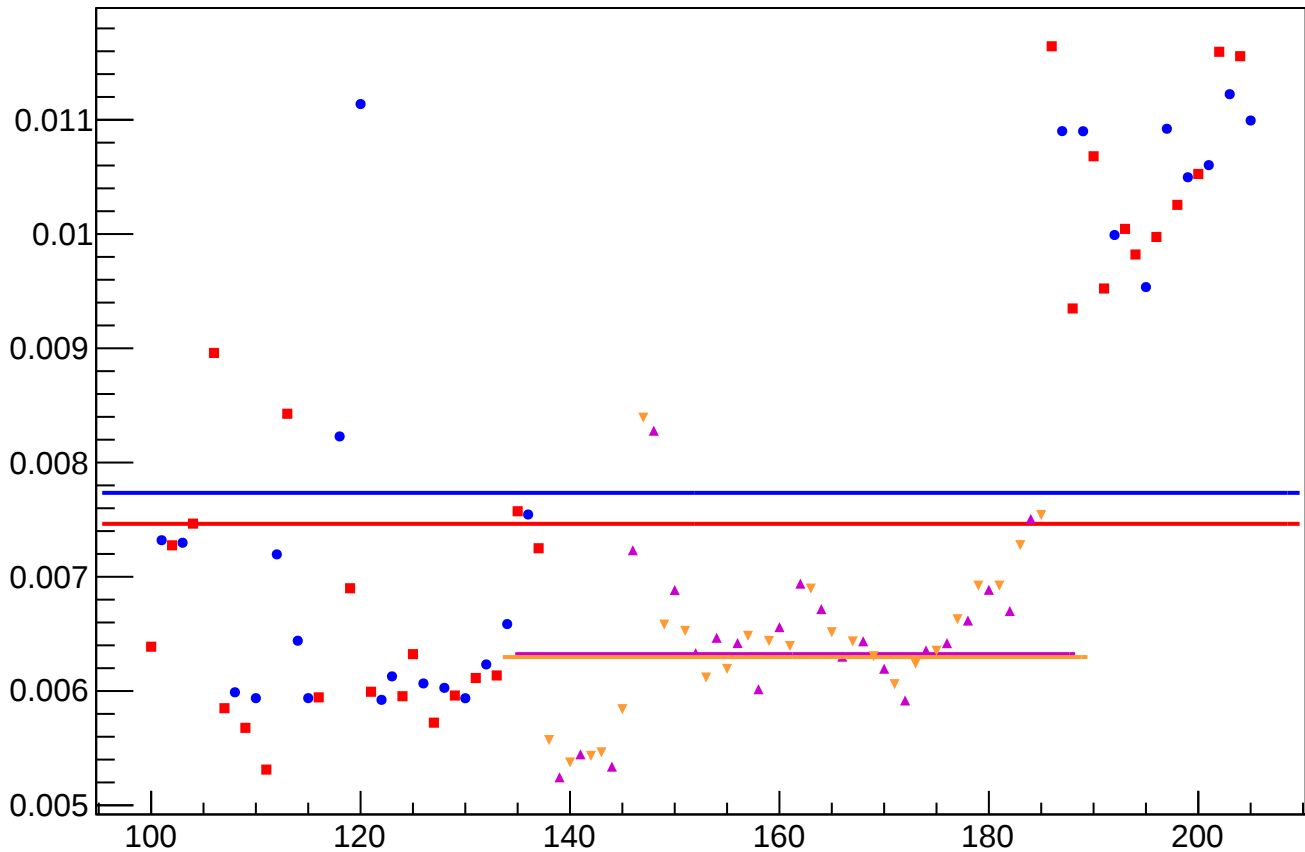
Left In: -1.666+/-0.000 χ^2/NDF : 14292570816.9/22

+ sign -1.459+/-0.000 χ^2/NDF : 241898338210.5/50

All: -1.466+/-0.000 χ^2/NDF : 476763300806.5

- sign -1.473+/-0.000 χ^2/NDF : 234801884090.4/52

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1452165.7/25

Left Out: 0.006+/-0.000 χ^2/NDF :310757.0/24

Right Out: 0.007+/-0.000 χ^2/NDF : 1721949.0/29

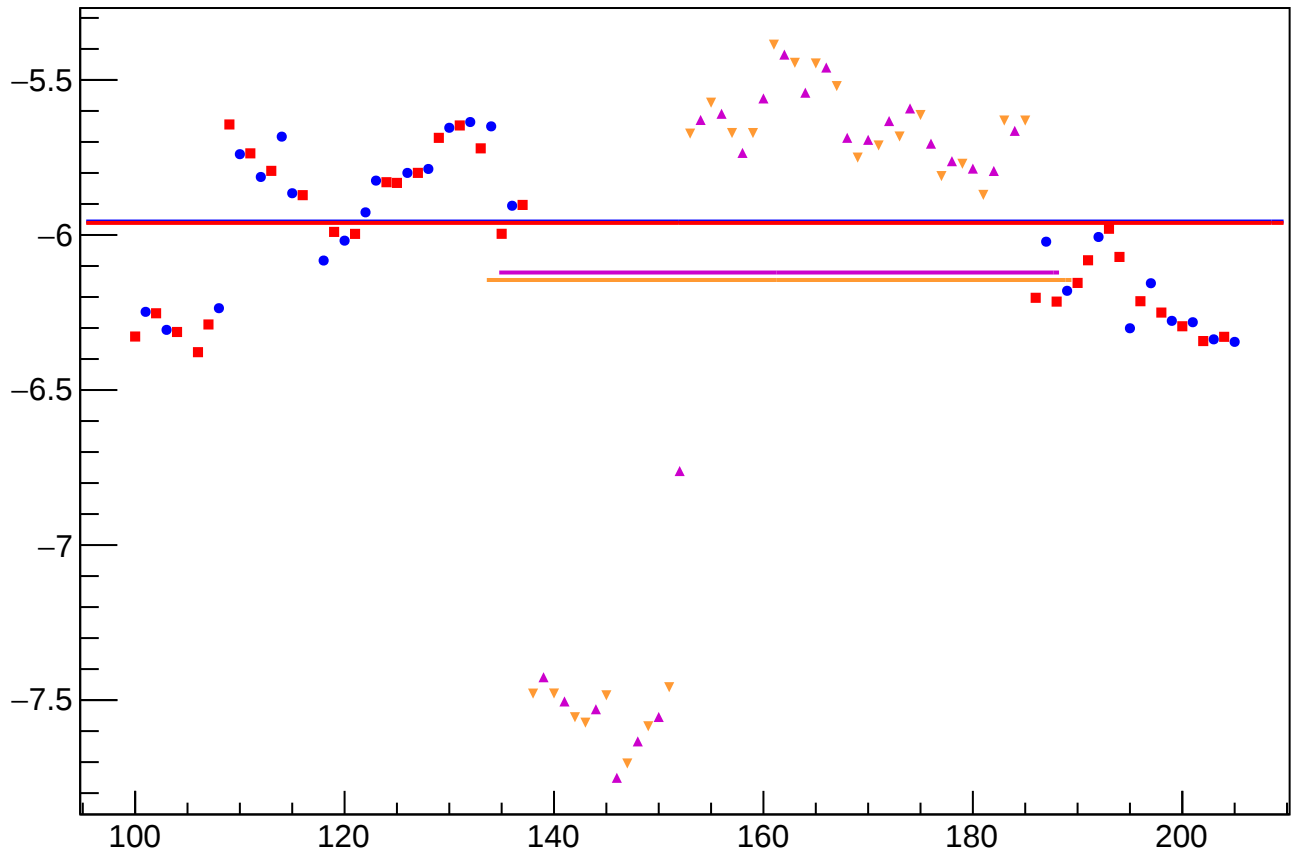
Left In: 0.006+/-0.000 χ^2/NDF :330859.7/22

+ sign 0.007+/-0.000 χ^2/NDF : 2319297.9/50

All: 0.007+/-0.000 χ^2/NDF : 4753819.6/103

- sign 0.007+/-0.000 χ^2/NDF : 2434506.4/52

yield_bpm0l01Y_mean vs Slug



Right In: -5.957+/-0.000 χ^2/NDF : 14510220676.2/25

Left Out: -6.145+/-0.000 χ^2/NDF : 185364150237.7/24

Right Out: -5.961+/-0.000 χ^2/NDF : 15798080831.6/29

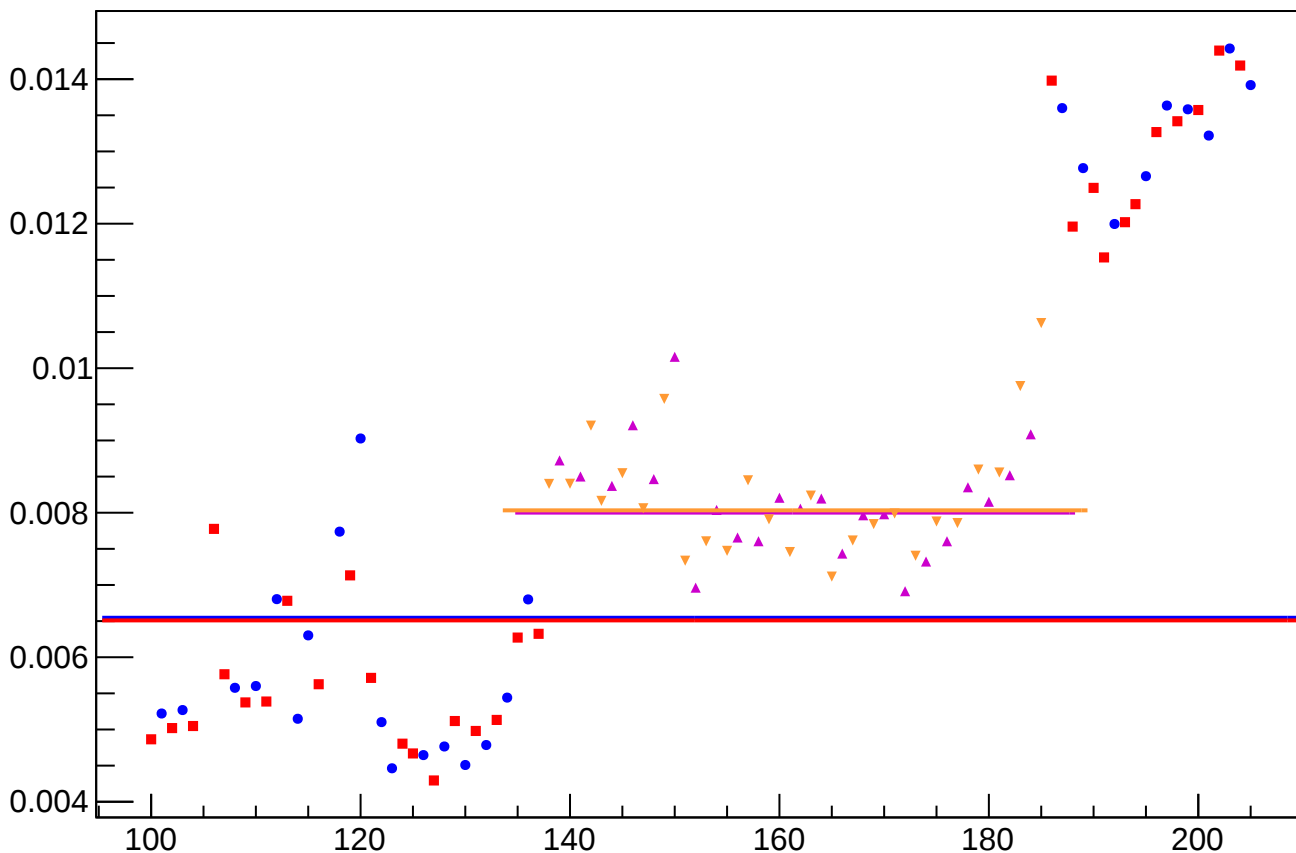
Left In: -6.121+/-0.000 χ^2/NDF : 158315913062.3/22

+ sign -6.055+/-0.000 χ^2/NDF : 204254577181.9/50

All: -6.046+/-0.000 χ^2/NDF : 381698875811.2

- sign -6.038+/-0.000 χ^2/NDF : 177376898795.9/52

yield_bpm0l01Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 4019264.1/25

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:205762.2/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 4255533.3/29

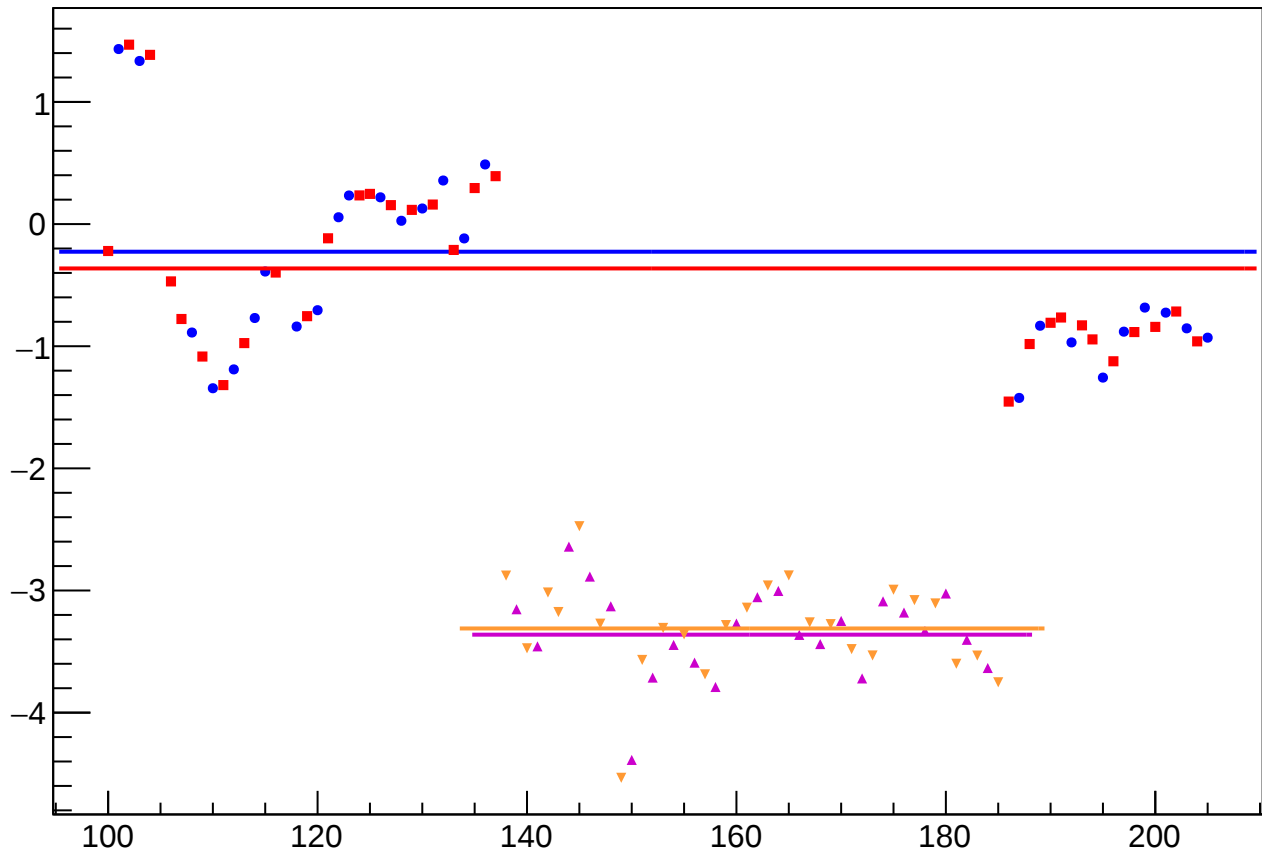
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:220756.1/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4769721.7/50

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 9816829.7/103

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 5043126.8/52

yield_bpm0l02X_mean vs Slug



Right In: -0.226+/-0.000 χ^2/NDF : 30316253402.9/25

Left Out: -3.311+/-0.000 χ^2/NDF : 9354397456.2/24

Right Out: -0.363+/-0.000 χ^2/NDF : 31953343811.0/29

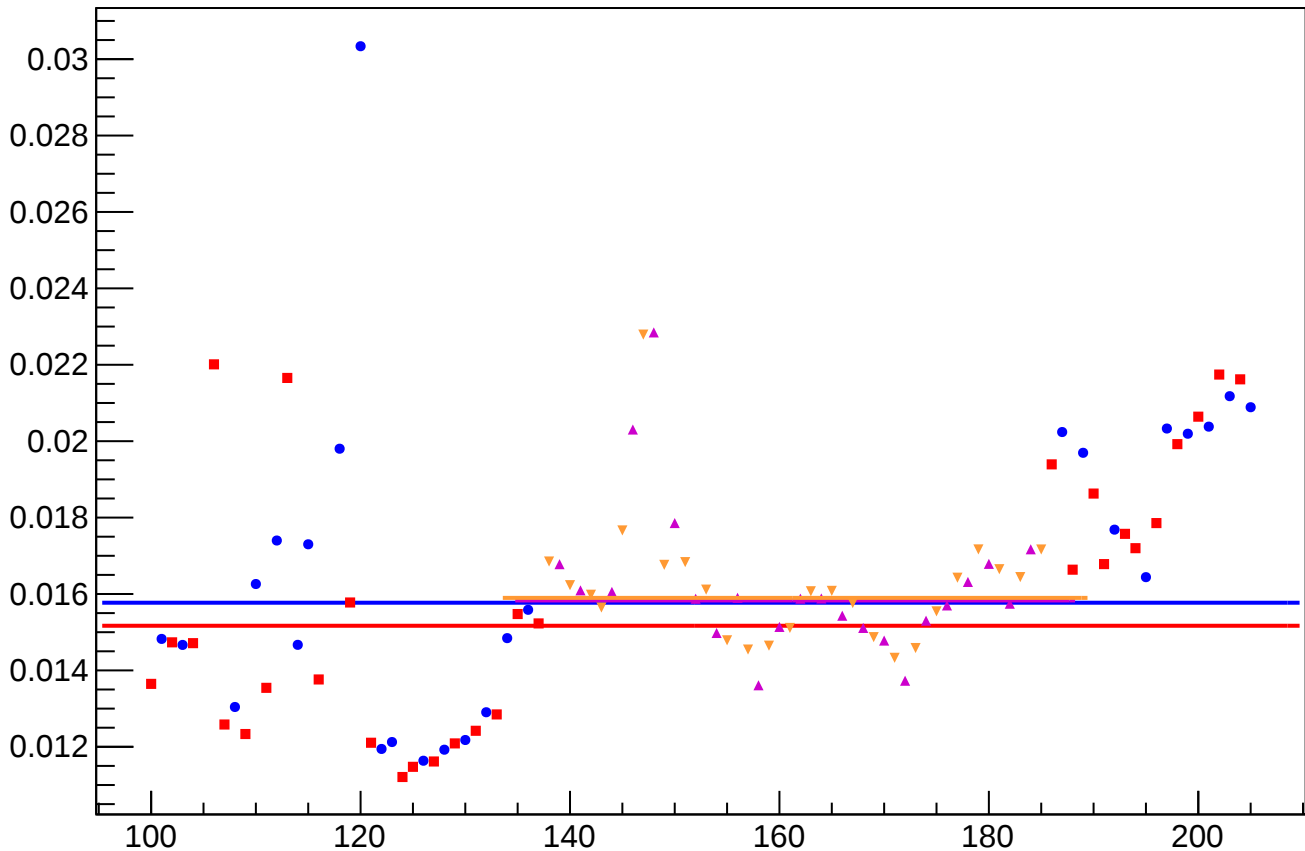
Left In: -3.362+/-0.000 χ^2/NDF : 8171803777.4/22

+ sign -2.070+/-0.000 χ^2/NDF : 307407483053.5/50

All: -2.026+/-0.000 χ^2/NDF : 621515831011.0

- sign -1.985+/-0.000 χ^2/NDF : 313676117473.4/52

yield_bpm0l02X_rms vs Slug



Right In: 0.016 $\pm$ 0.000 χ^2 /NDF: 1115952.7/25

Left Out: 0.016 $\pm$ 0.000 χ^2 /NDF:251912.7/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1128941.4/29

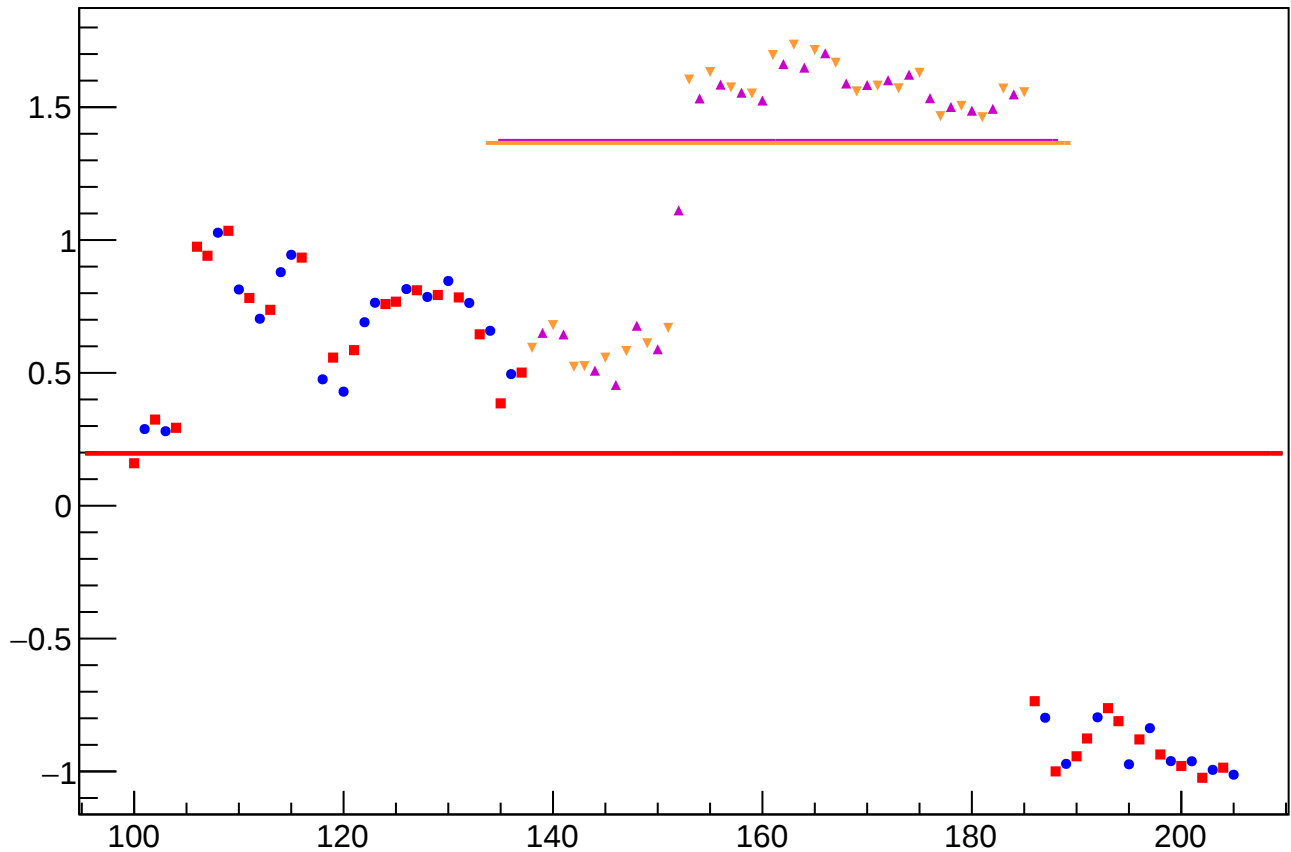
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:339542.1/22

+ sign 0.016 $\pm$ 0.000 χ^2 /NDF: 1368770.4/50

All: 0.016 $\pm$ 0.000 χ^2 /NDF: 2876234.5/103

- sign 0.016 $\pm$ 0.000 χ^2 /NDF: 1495154.1/52

yield_bpm0l02Y_mean vs Slug



Right In: 0.198 ± 0.000 χ^2/NDF : 67257867962.5/25

Left Out: 1.366 ± 0.000 χ^2/NDF : 74741956067.9/24

Right Out: 0.196 ± 0.000 χ^2/NDF : 78247320954.3/29

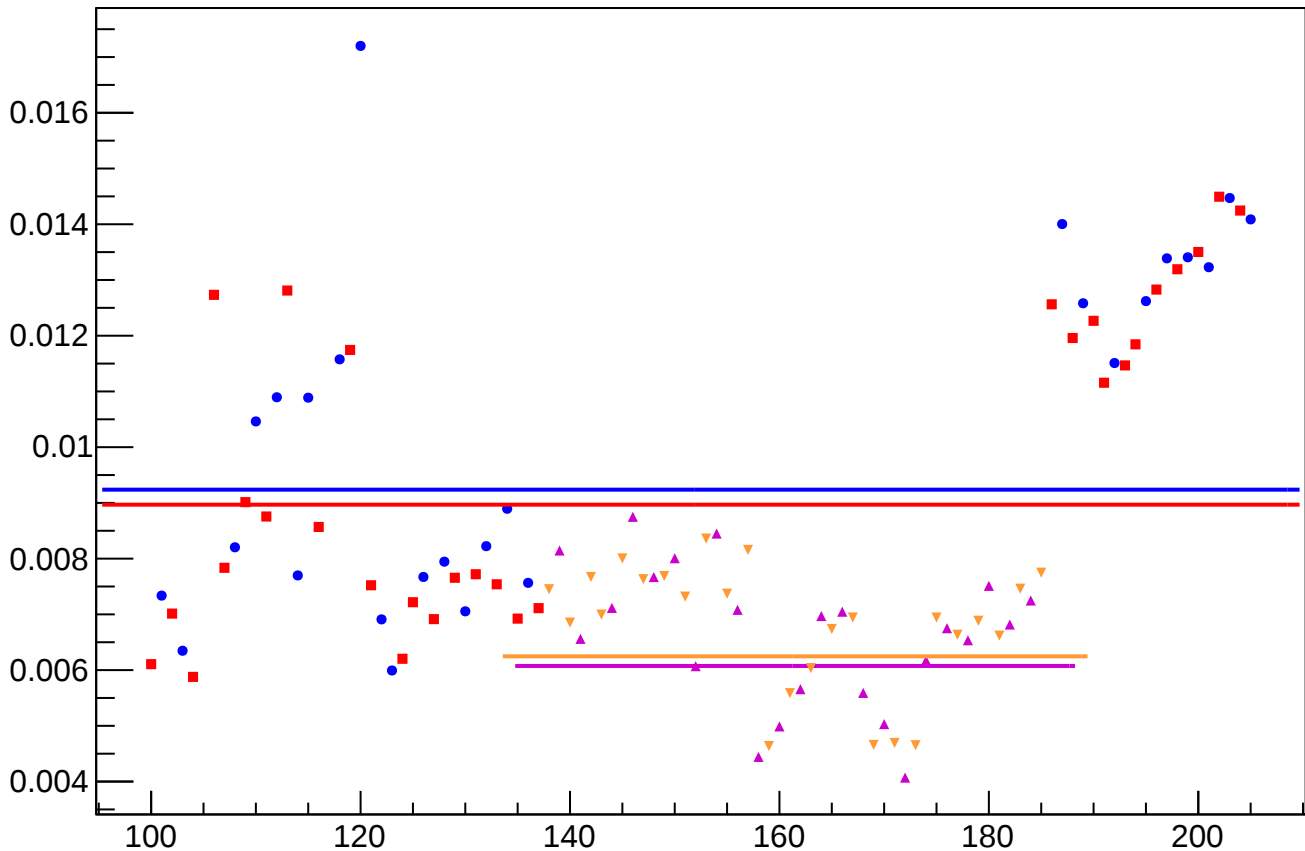
Left In: 1.373 ± 0.000 χ^2/NDF : 63413151416.3/22

+ sign 1.092 ± 0.000 χ^2/NDF : 278292320872.5/50

All: 1.078 ± 0.000 χ^2/NDF : 574968852661.5

- sign 1.065 ± 0.000 χ^2/NDF : 296481899050.7/52

yield_bpm0l02Y_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 1947981.9/25

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1330867.5/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 2088612.0/29

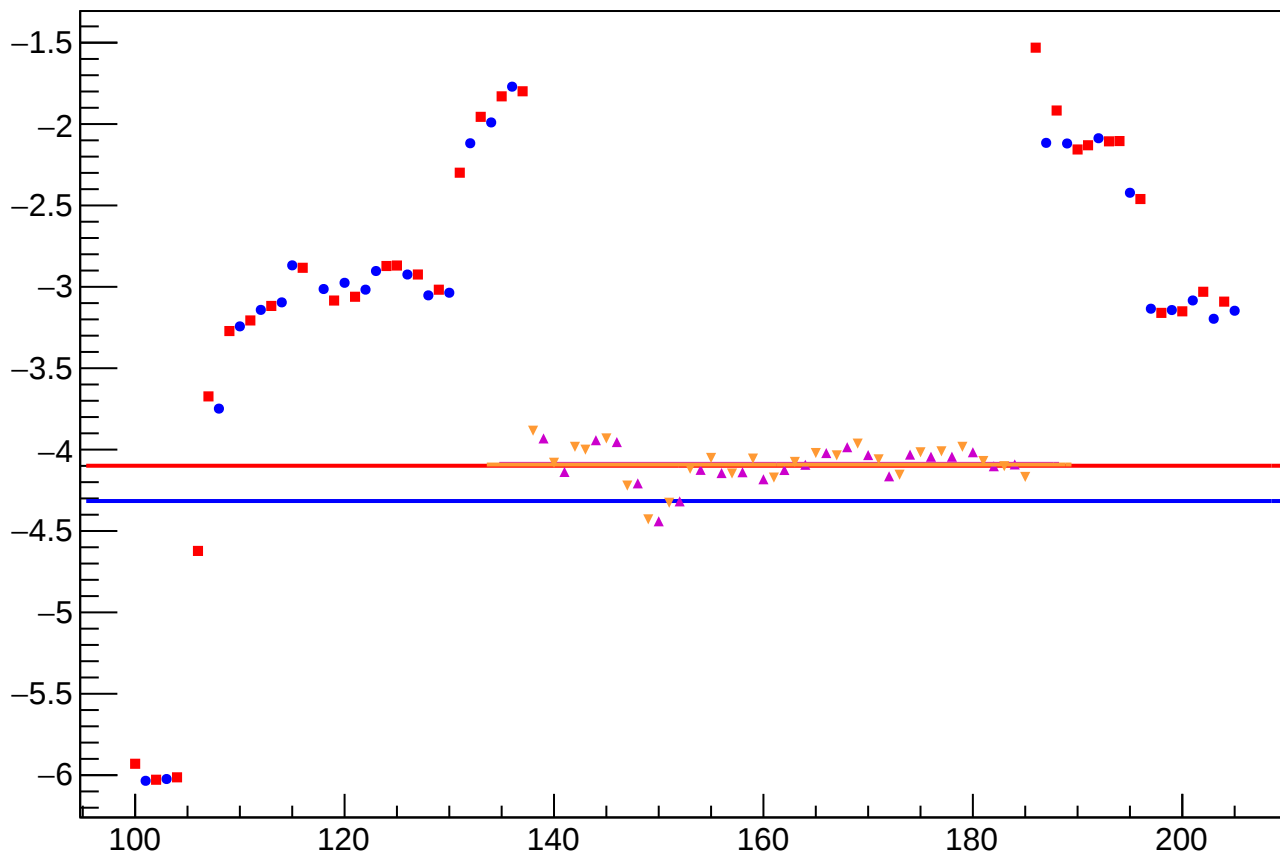
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1431986.5/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 5065847.8/50

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 10465912.8/103

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 5392197.9/52

yield_bpm0l03X_mean vs Slug



Right In: -4.316 ± 0.000 $\chi^2/\text{NDF}: 264643198918.0/25$

Left Out: -4.092 ± 0.000 $\chi^2/\text{NDF}: 39806766.7/24$

Right Out: -4.099 ± 0.000 $\chi^2/\text{NDF}: 268079286168.4/29$

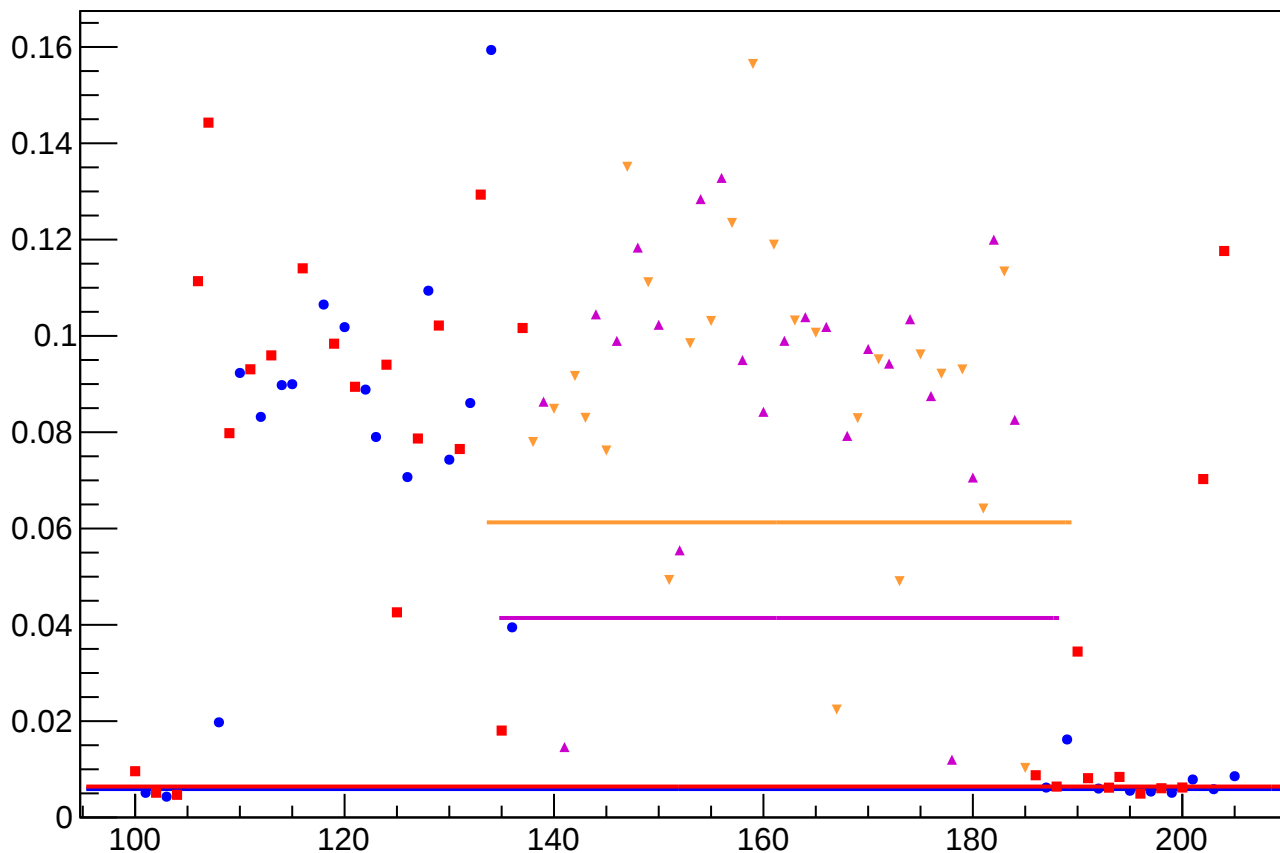
Left In: -4.088 ± 0.000 $\chi^2/\text{NDF}: 34412880.7/22$

+ sign -4.309 ± 0.000 $\chi^2/\text{NDF}: 264826985565.4/50$

All: -4.215 ± 0.000 $\chi^2/\text{NDF}: 534971438292.2$

- 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: 8066624.7/25

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

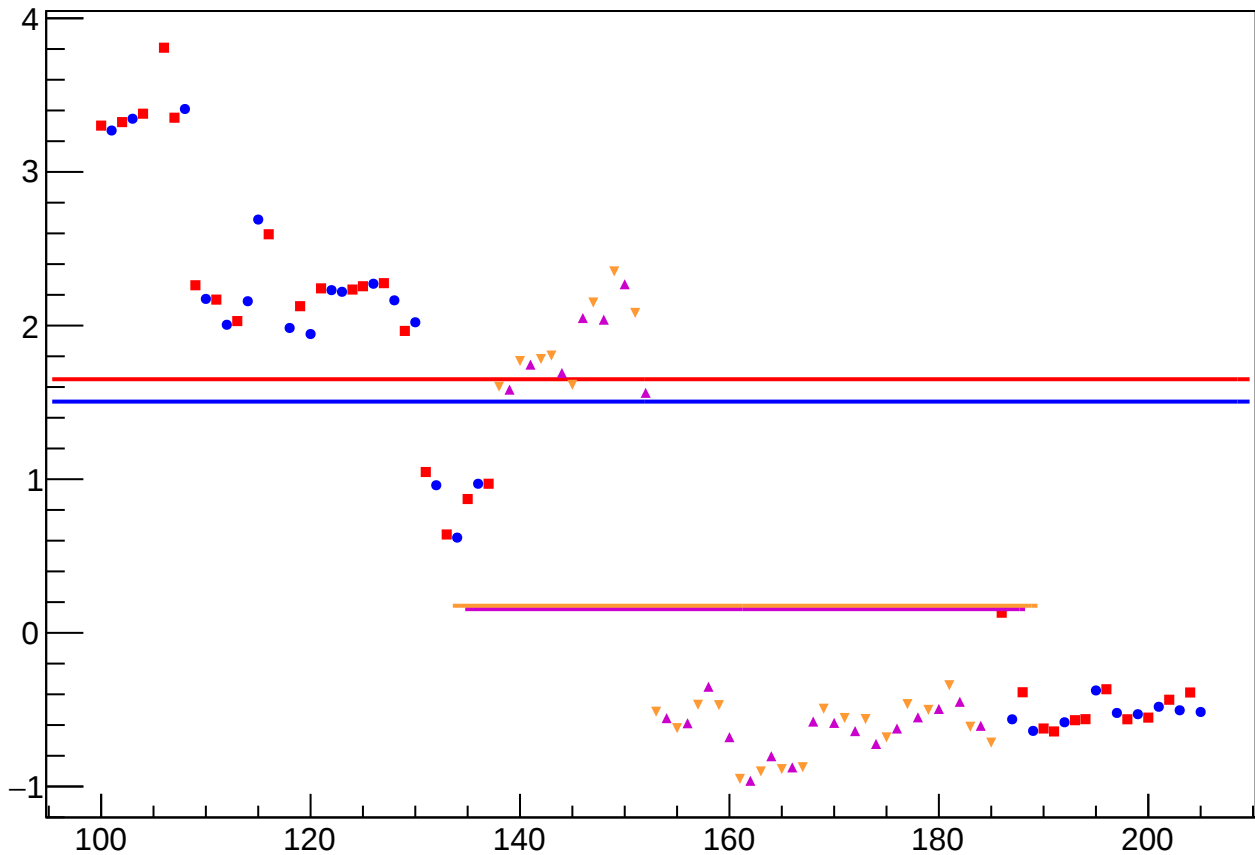
Left In: 0.041 $\pm$ 0.000 χ^2 /NDF:13124468.7/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 34009052.2/50

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 67185976.8/103

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 33128386.3/52

yield_bpm0l03Y_mean vs Slug



Right In: 1.505 $\pm$ 0.000 χ^2 /NDF: 193046688849.5/25

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

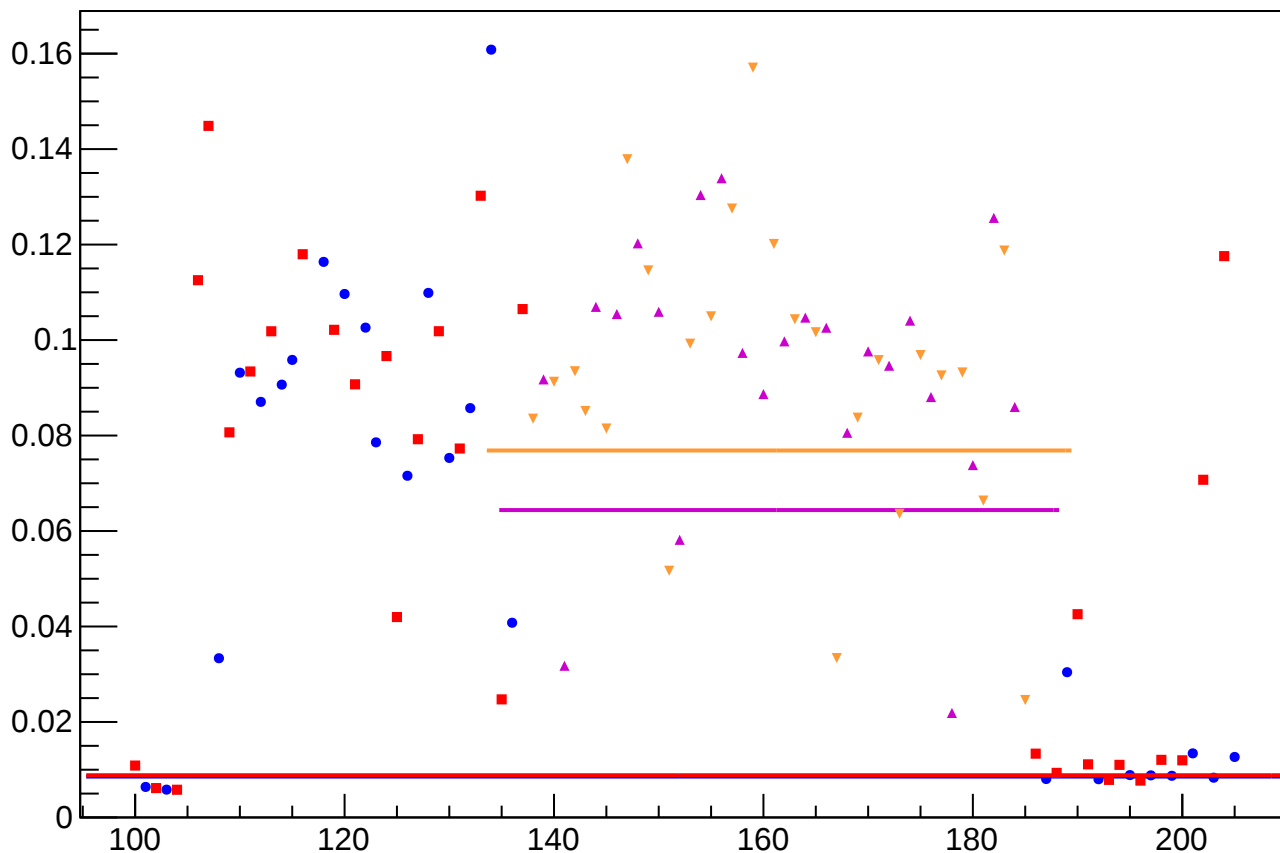
Left In: 0.154 $\pm$ 0.000 χ^2 /NDF: 3163553595.0/22

+ sign 1.452 $\pm$ 0.000 χ^2 /NDF: 200162642221.8/50

All: 1.509 $\pm$ 0.000 χ^2 /NDF: 375398617875.3

- sign 1.573 $\pm$ 0.000 χ^2 /NDF: 174846911828.6/52

yield_bpm0l03Y_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 8027447.7/25

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

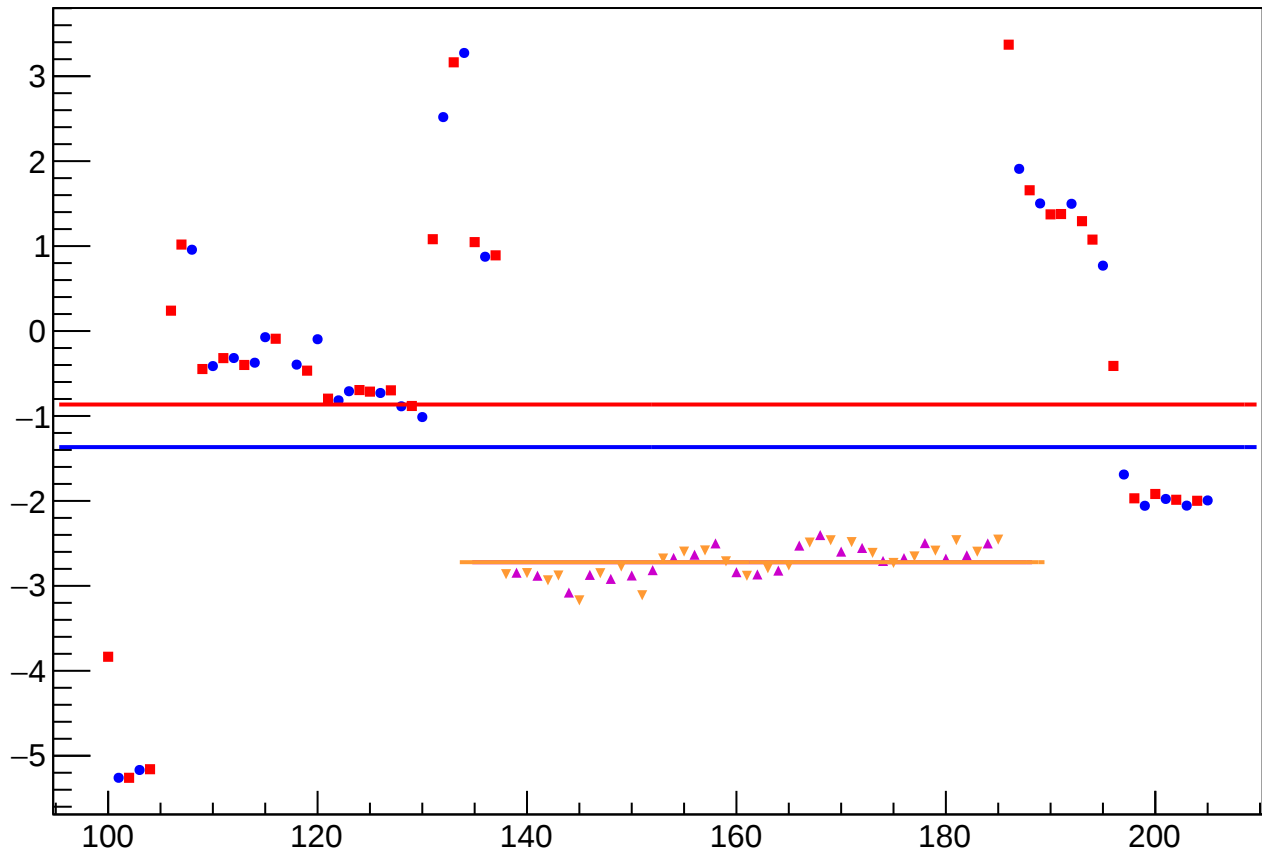
Left In: 0.064 $\pm$ 0.000 χ^2 /NDF:6990231.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 32542864.4/50

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 64567997.7/103

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 32016809.9/52

yield_bpm0l04X_mean vs Slug



Right In: -1.367+/-0.000 χ^2 /NDF: 204815924205.5/25

Left Out: -2.721+/-0.000 χ^2 /NDF:10397156971.6/24

+ sign -2.574+/-0.000 χ^2 /NDF: 273384785994.4/50

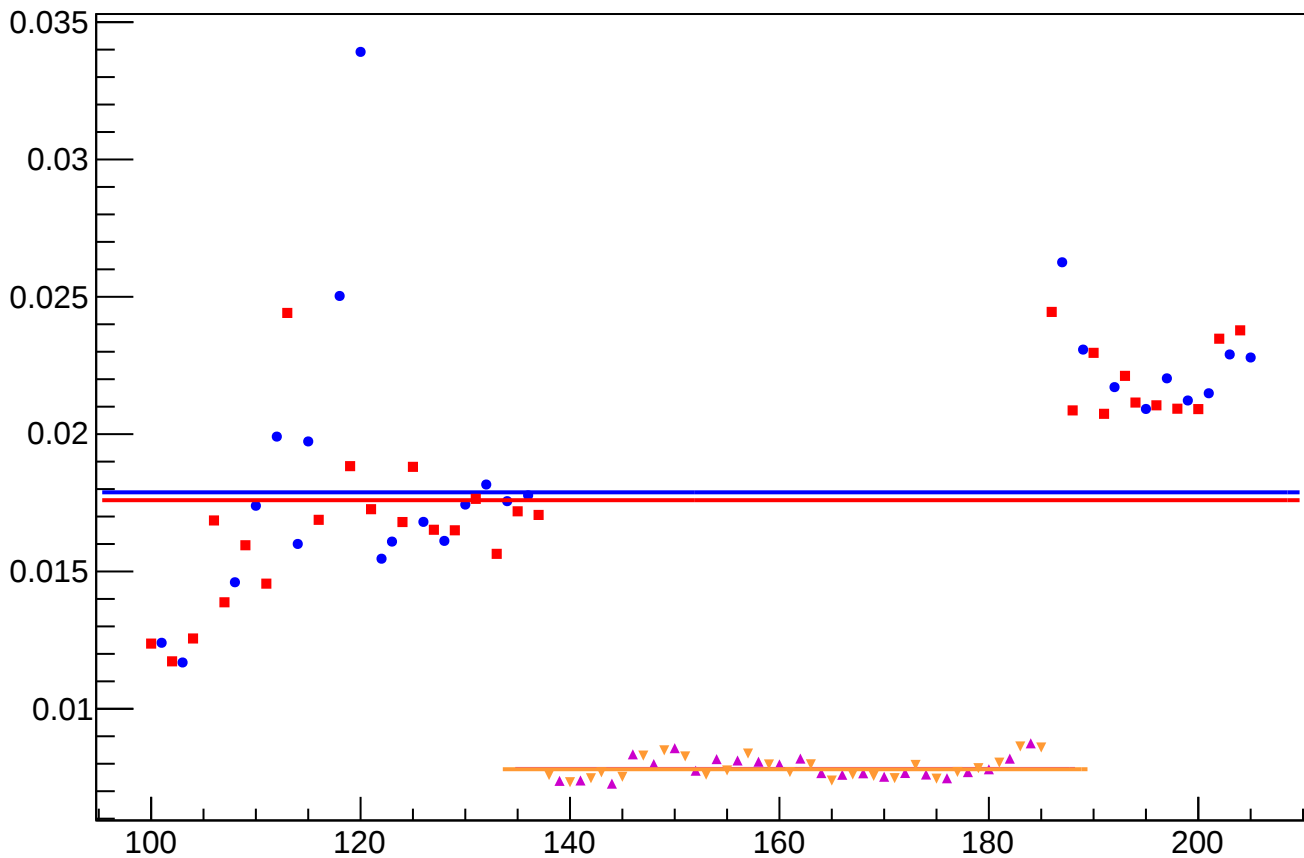
Right Out: -0.865+/-0.000 χ^2 /NDF: 233420059320.1/29

All: -2.528+/-0.000 χ^2 /NDF: 639159255155.2

Left In: -2.722+/-0.000 χ^2 /NDF:8146484592.1/22

- 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 : 1250935.4/25

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

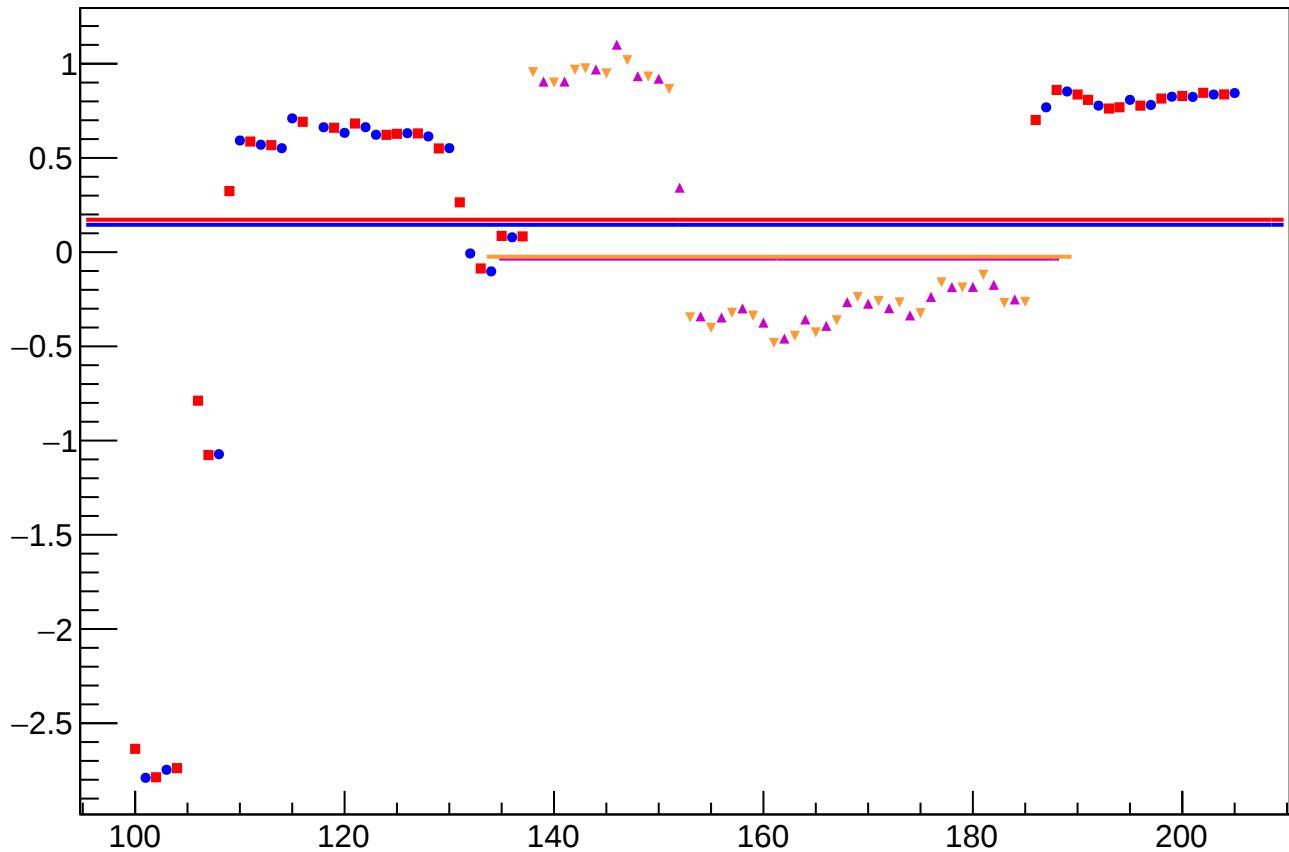
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 67610.2/22

+ sign 0.009 $\pm$ 0.000 χ^2/NDF : 7765232.5/50

All: 0.009 $\pm$ 0.000 χ^2/NDF : 15809469.2/103

- sign 0.009 $\pm$ 0.000 χ^2/NDF : 8033237.6/52

yield_bpm0l04Y_mean vs Slug



Right In: 0.145 $\pm$ 0.000 χ^2 /NDF: 853988843745.7/25

Left Out: -0.024 $\pm$ 0.000 χ^2 /NDF: 135451649275.0/24

Right Out: 0.172 $\pm$ 0.000 χ^2 /NDF: 916778456351.0/29

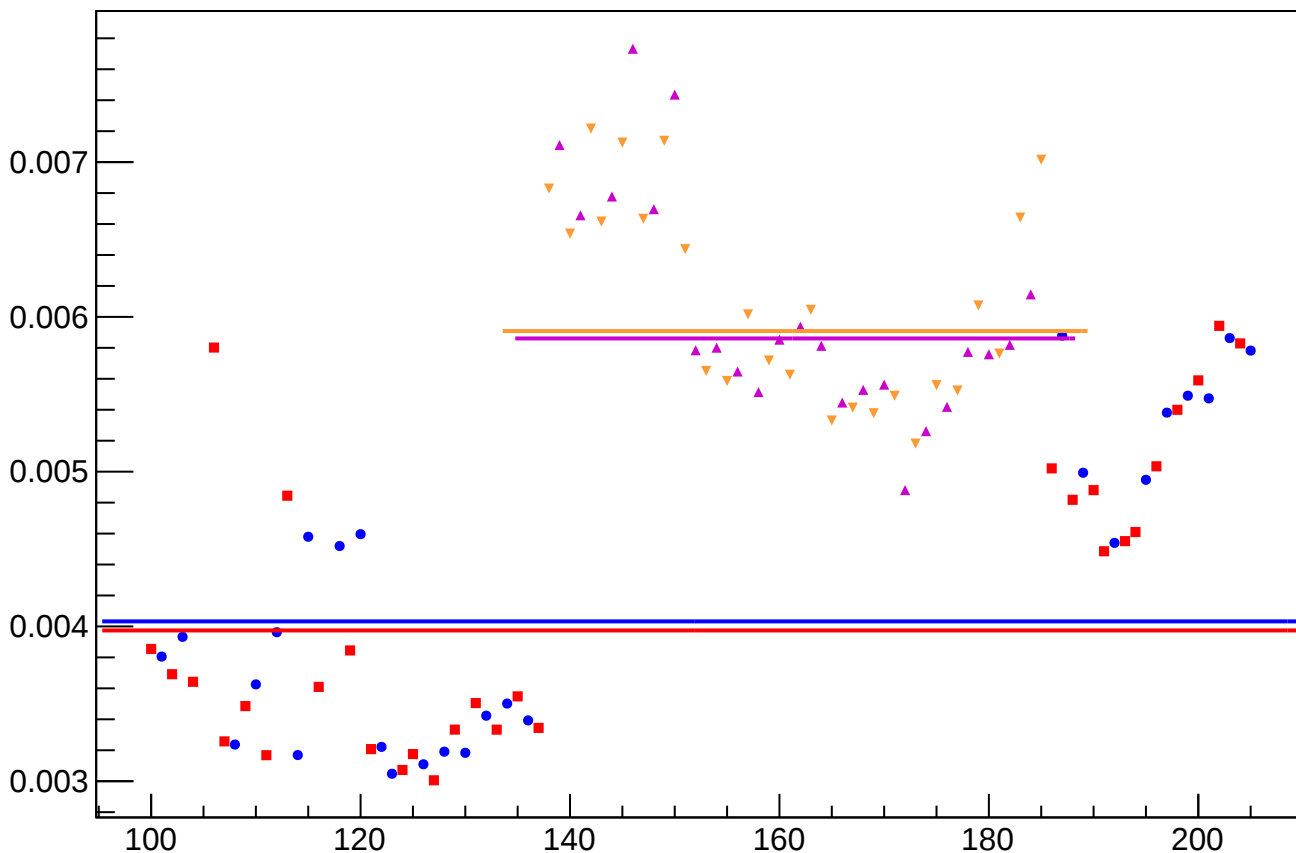
Left In: -0.034 $\pm$ 0.000 χ^2 /NDF: 113929060918.1/22

+ sign 0.078 $\pm$ 0.000 χ^2 /NDF: 997796233528.5/50

All: 0.088 $\pm$ 0.000 χ^2 /NDF: 2041429191393.0

- sign 0.098 $\pm$ 0.000 χ^2 /NDF: 1043391352702.2/52

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 1189751.3/25

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

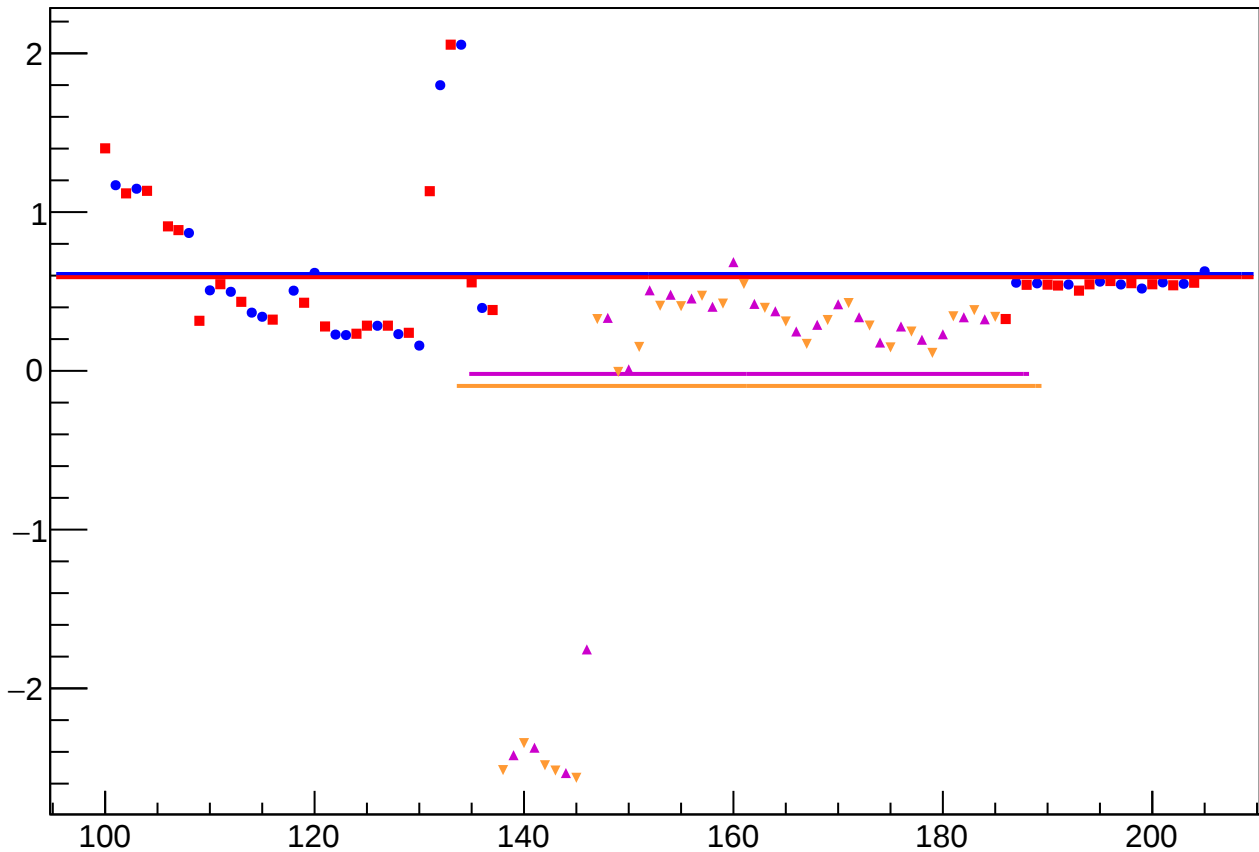
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:364512.1/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3549414.9/50

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 7281738.5/103

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3713234.2/52

yield_bpm0l05X_mean vs Slug



Right In: 0.610 $\pm$ 0.000 χ^2 /NDF: 40461686410.1/25

Left Out: -0.095 $\pm$ 0.000 χ^2 /NDF: 505606573631.9/24

Right Out: 0.590 $\pm$ 0.000 χ^2 /NDF: 45803805629.9/29

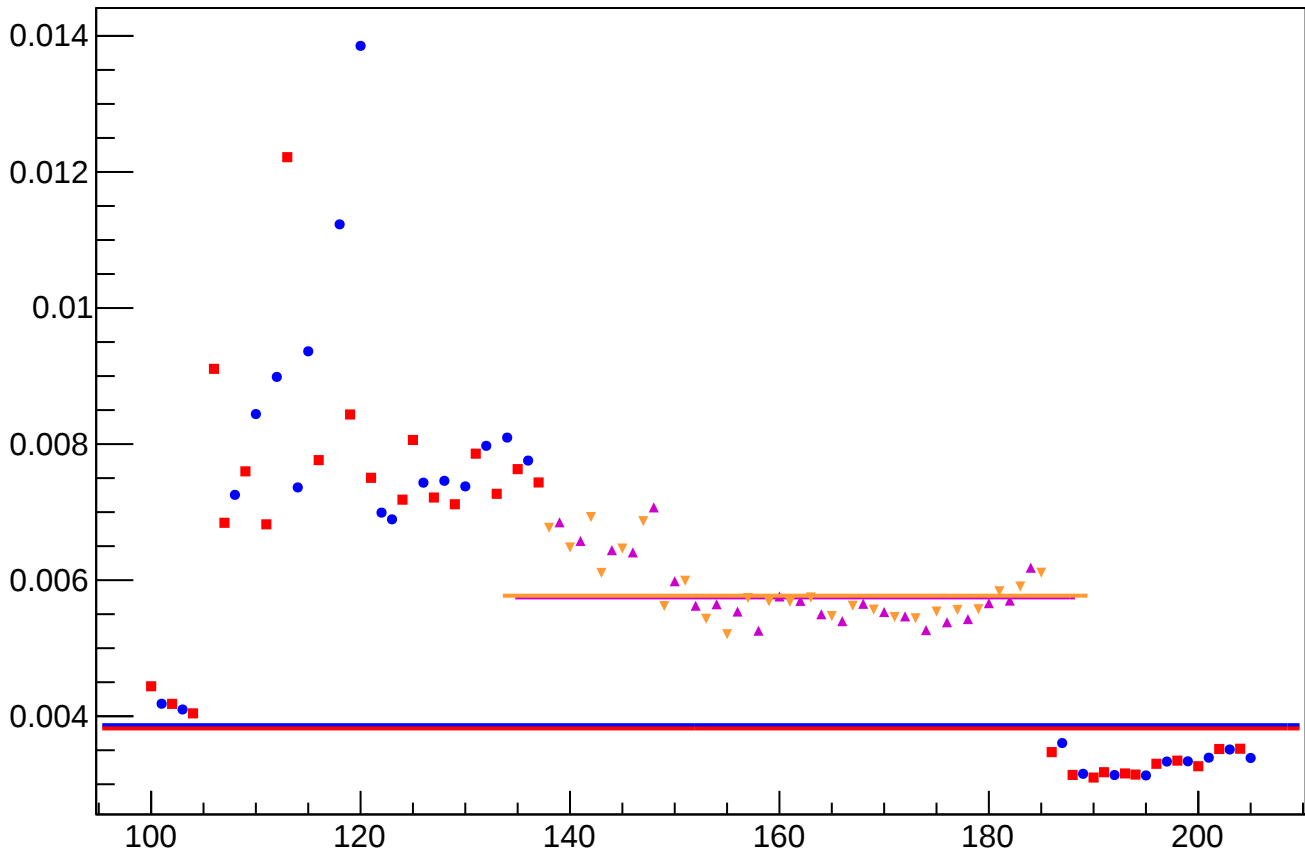
Left In: -0.019 $\pm$ 0.000 χ^2 /NDF: 417104863944.5/22

+ sign 0.311 $\pm$ 0.000 χ^2 /NDF: 693534244475.6/50

All: 0.335 $\pm$ 0.000 χ^2 /NDF: 1271122933245.

- sign 0.358 $\pm$ 0.000 χ^2 /NDF: 576230333378.6/52

yield_bpm0l05X_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 3091449.0/25

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

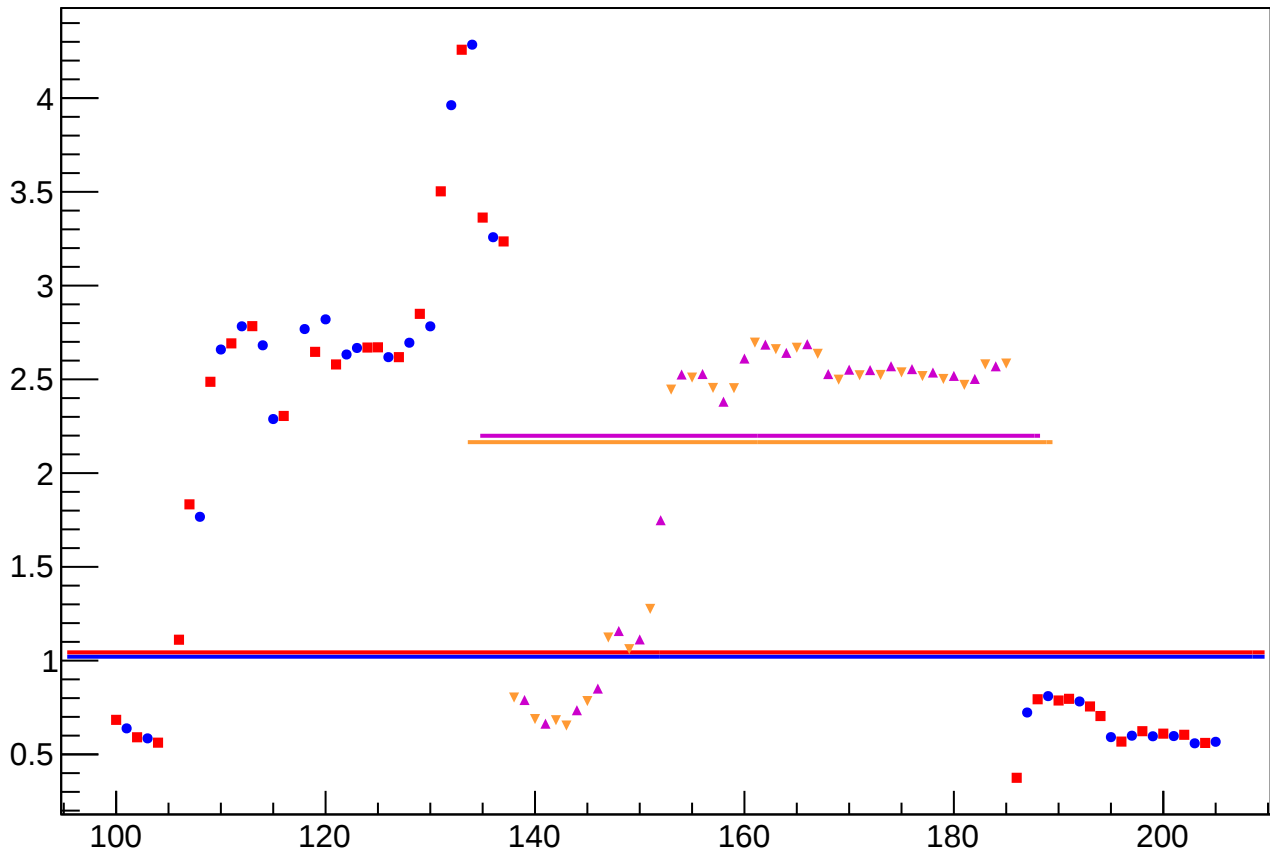
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:204066.4/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 5420070.9/50

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 11035915.0/103

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 5597671.8/52

yield_bpm0l05Y_mean vs Slug



Right In: 1.021+/-0.000 χ^2/NDF : 287406405976.5/25

Left Out: 2.165+/-0.000 χ^2/NDF : 292800056899.6/24

Right Out: 1.044+/-0.000 χ^2/NDF : 333900533721.5/29

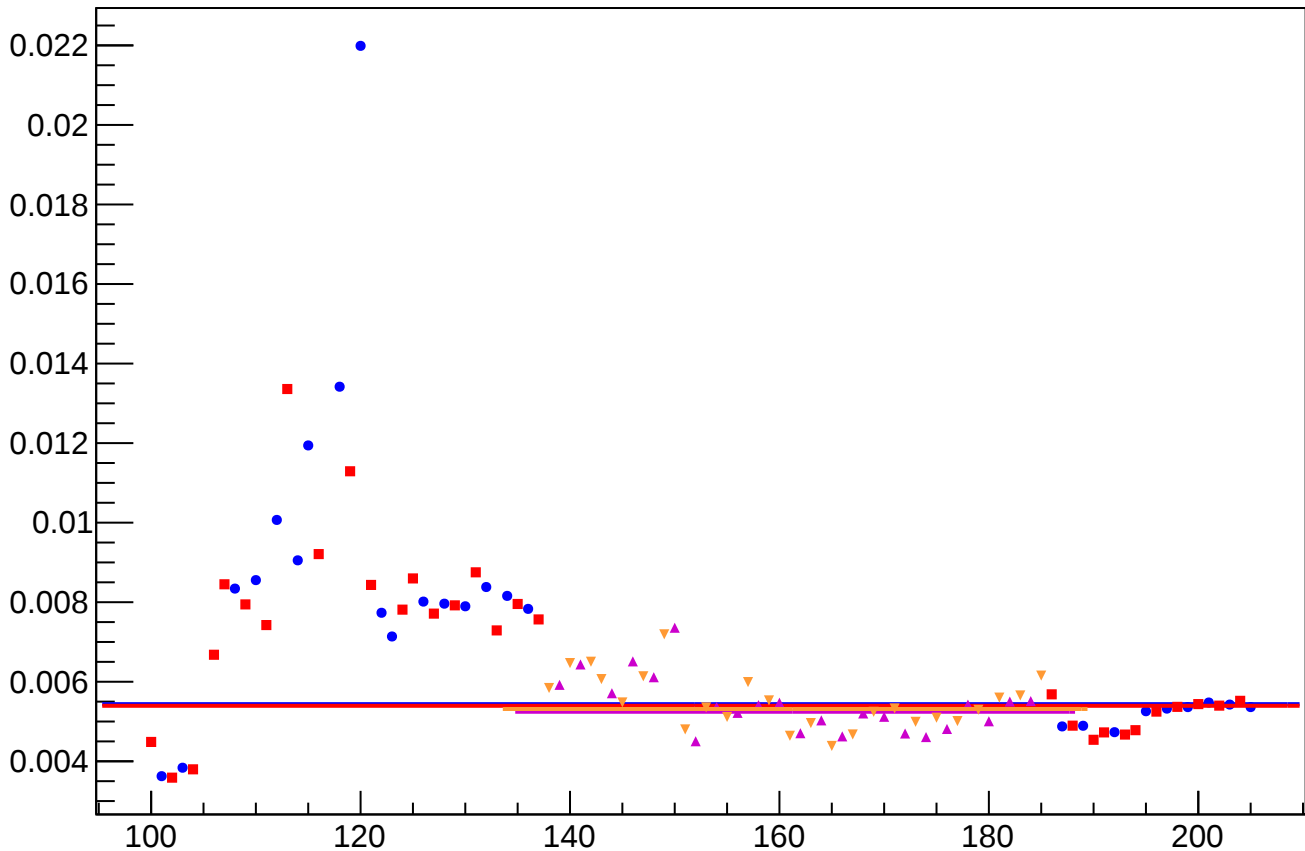
Left In: 2.199+/-0.000 χ^2/NDF : 253166239065.4/22

+ sign 1.725+/-0.000 χ^2/NDF : 876078828656.8/50

All: 1.719+/-0.000 χ^2/NDF : 1784546205157.

- sign 1.713+/-0.000 χ^2/NDF : 908400694215.0/52

yield_bpm0l05Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 2005097.5/25

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:398795.0/24

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 1876854.0/29

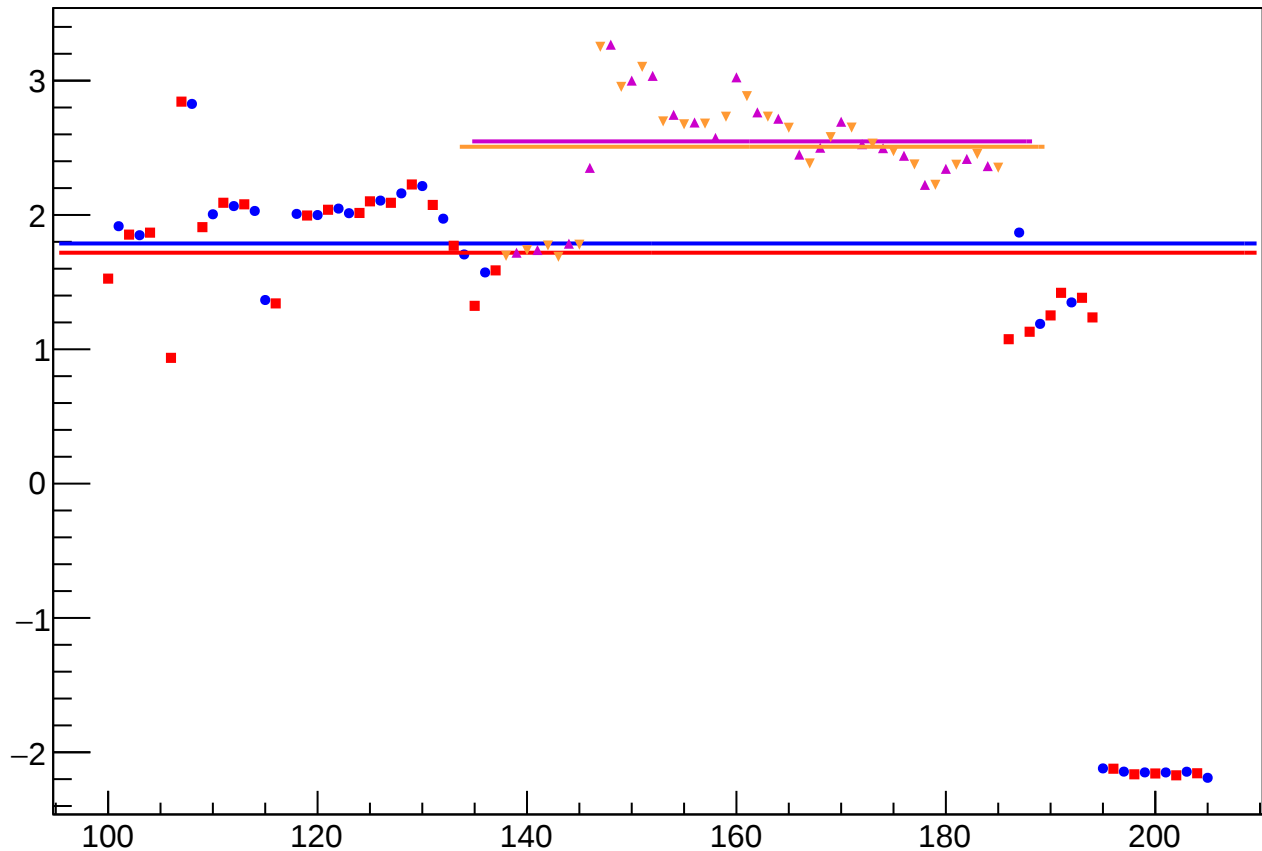
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:425864.8/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2410564.7/50

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 4726891.6/103

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 2313569.8/52

yield_bpm0l06X_mean vs Slug



Right In: 1.788 $\pm$ 0.000 χ^2 /NDF: 117661532958.7/25

Left Out: 2.508 $\pm$ 0.000 χ^2 /NDF: 52355332406.0/24

+ sign 2.274 $\pm$ 0.000 χ^2 /NDF: 225233791610.1/50

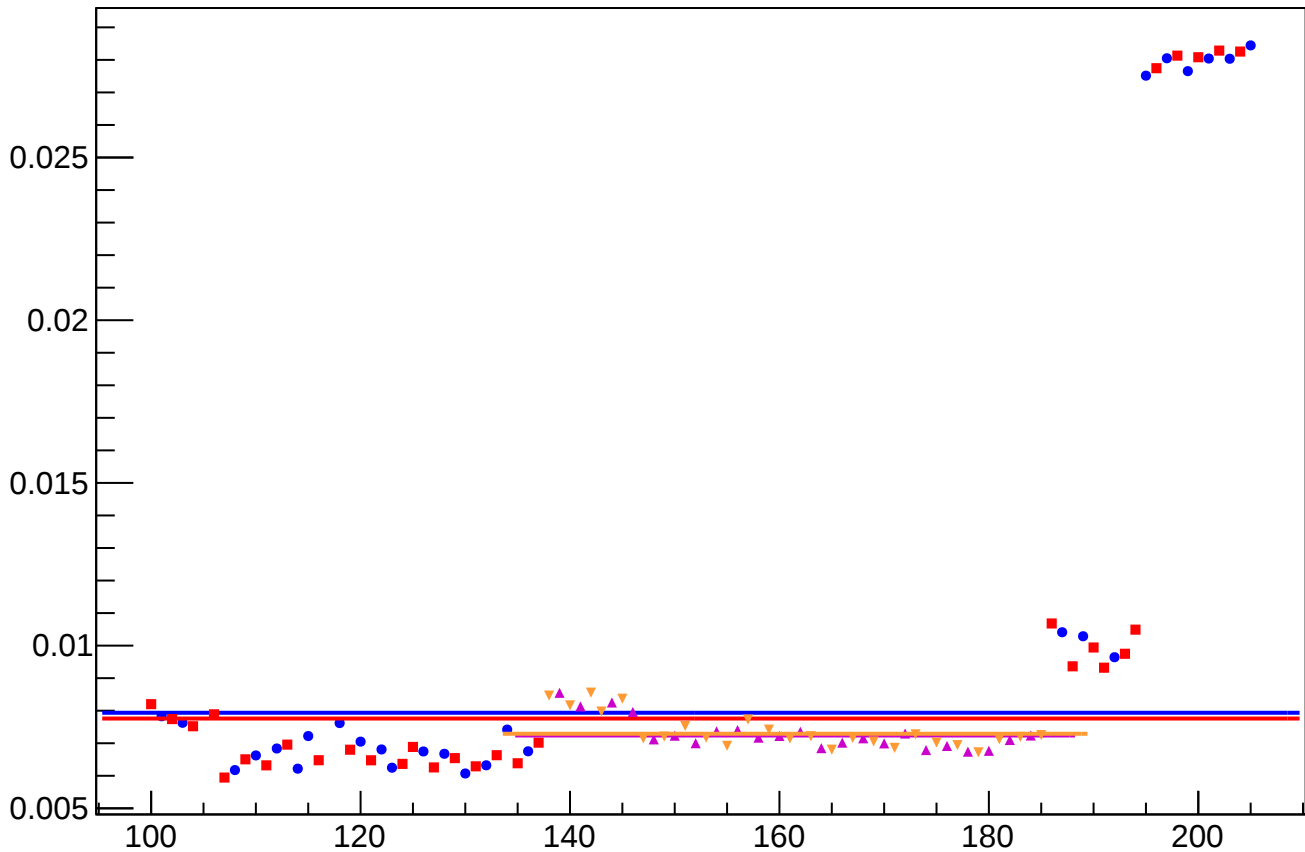
Right Out: 1.719 $\pm$ 0.000 χ^2 /NDF: 106891460206.7/29

All: 2.255 $\pm$ 0.000 χ^2 /NDF: 459407569727.4

Left In: 2.548 $\pm$ 0.000 χ^2 /NDF: 45350336058.7/22

- sign 2.237 $\pm$ 0.000 χ^2 /NDF: 233831080293.3/52

yield_bpm0l06X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 5445643.4/25

Left Out: 0.007+/-0.000 χ^2/NDF :140788.4/24

Right Out: 0.008+/-0.000 χ^2/NDF : 4585022.8/29

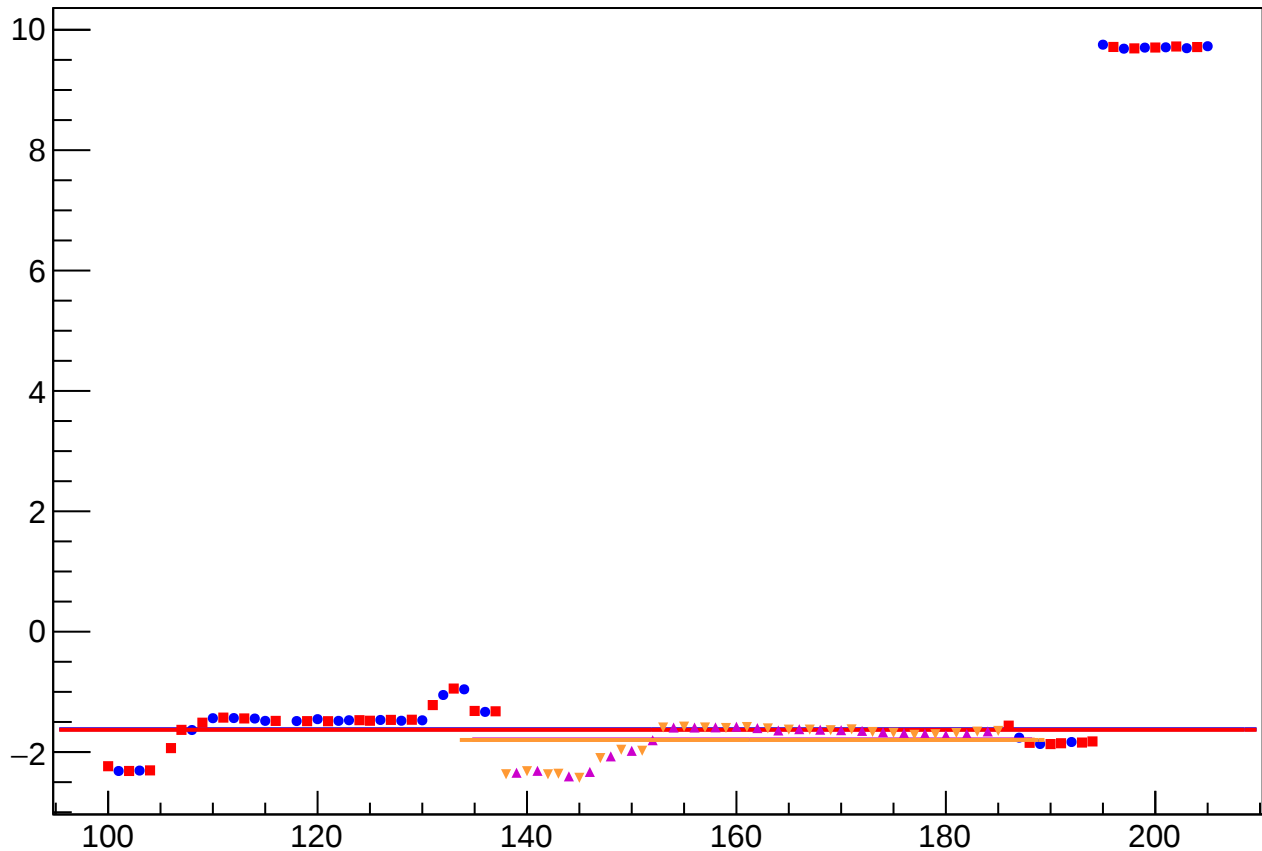
Left In: 0.007+/-0.000 χ^2/NDF :125233.2/22

+ sign 0.008+/-0.000 χ^2/NDF : 5675109.0/50

All: 0.007+/-0.000 χ^2/NDF : 10452130.9/103

- sign 0.007+/-0.000 χ^2/NDF : 4774766.2/52

yield_bpm0l06Y_mean vs Slug



Right In: -1.621+/-0.000 χ^2/NDF : 310405455721.6/25

Left Out: -1.799+/-0.000 χ^2/NDF : 185362087438.8/24

Right Out: -1.631+/-0.000 χ^2/NDF : 283560768370.5/29

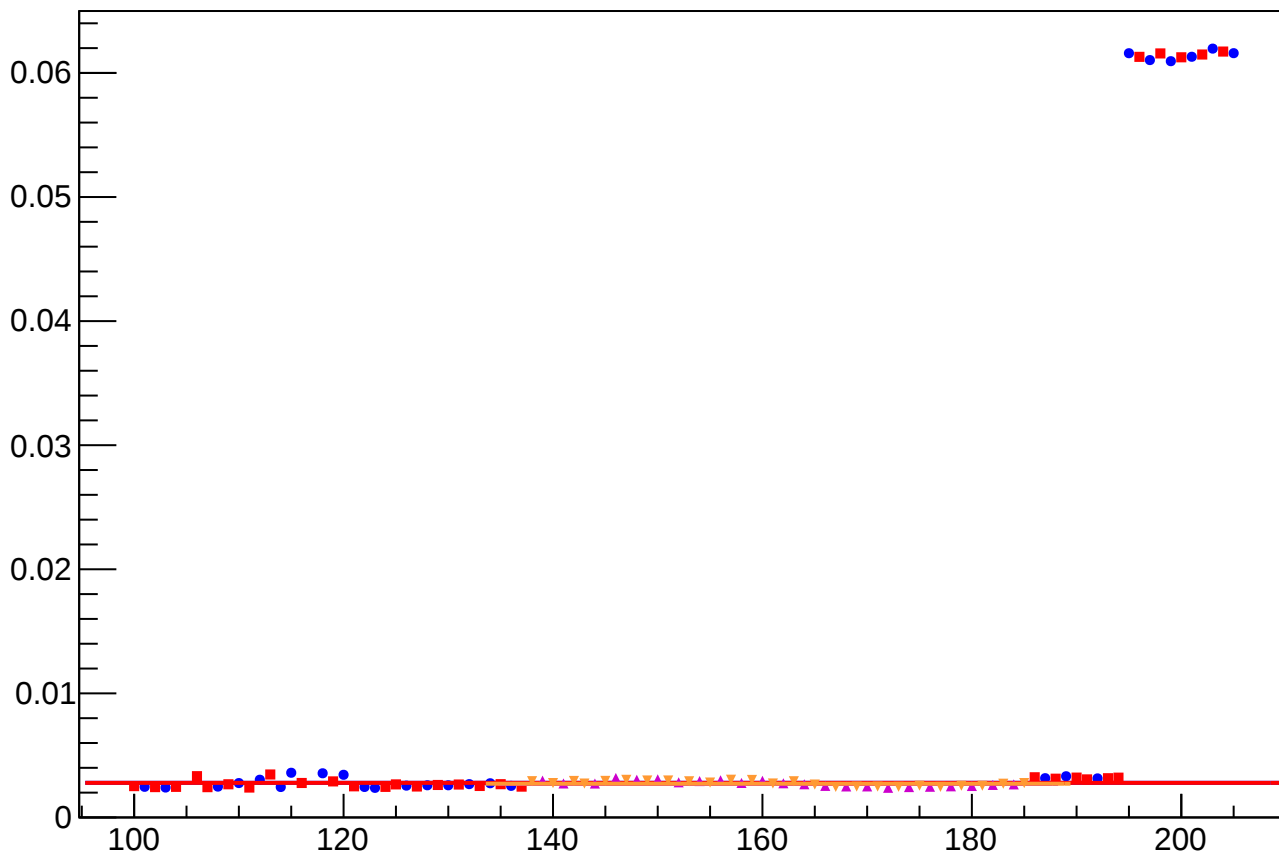
Left In: -1.790+/-0.000 χ^2/NDF : 159648935510.8/22

+ sign -1.744+/-0.000 χ^2/NDF : 518705156029.4/50

All: -1.738+/-0.000 χ^2/NDF : 983147725123.7

- 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 : 8966241.1/25

Left Out: 0.003+/-0.000 χ^2/NDF :199695.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 6940055.6/29

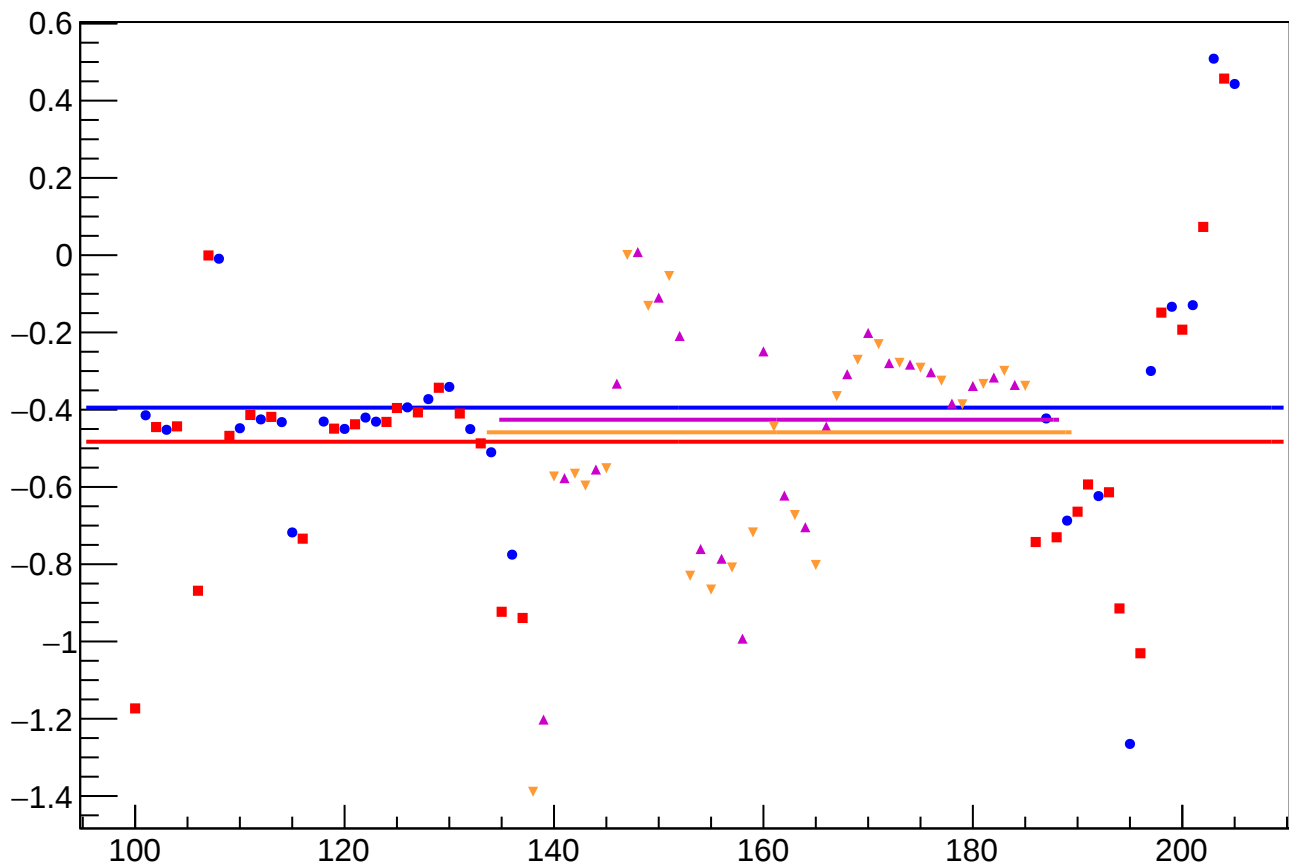
Left In: 0.003+/-0.000 χ^2/NDF :220327.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 9173676.9/50

All: 0.003+/-0.000 χ^2/NDF : 16346852.2/103

- sign 0.003+/-0.000 χ^2/NDF : 7172951.7/52

yield_bpm0l07X_mean vs Slug



Right In: -0.395 ± 0.000 χ^2/NDF : 7818128892.0/25

Left Out: -0.459 ± 0.000 χ^2/NDF : 9916462814.9/24

Right Out: -0.483 ± 0.000 χ^2/NDF : 7073881359.5/29

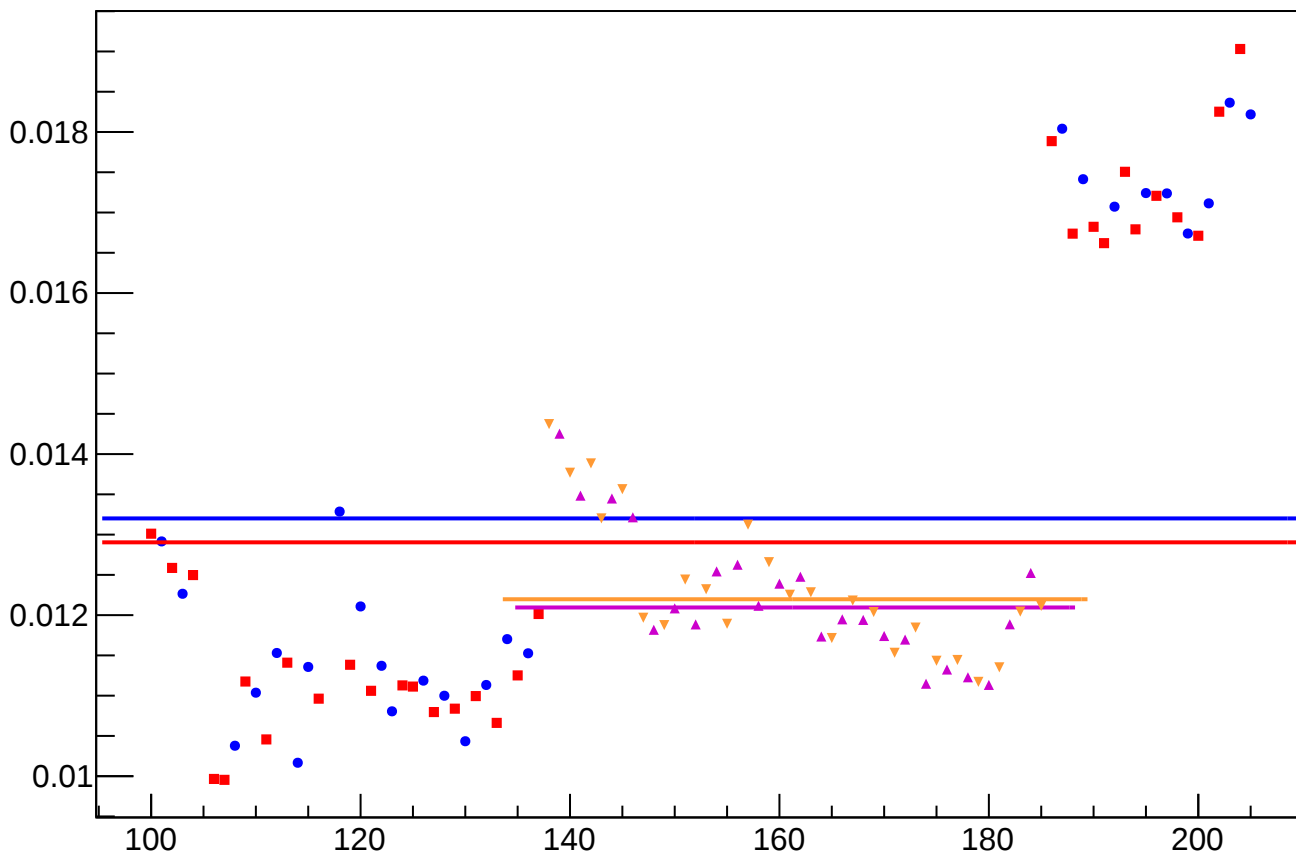
Left In: -0.426 ± 0.000 χ^2/NDF : 8424222576.0/22

+ sign -0.435 ± 0.000 χ^2/NDF : 17912818498.7/50

All: -0.442 ± 0.000 χ^2/NDF : 33582672831.7

- 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 : 1090458.4/25

Left Out: 0.012+/-0.000 χ^2/NDF :141850.9/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1318877.8/29

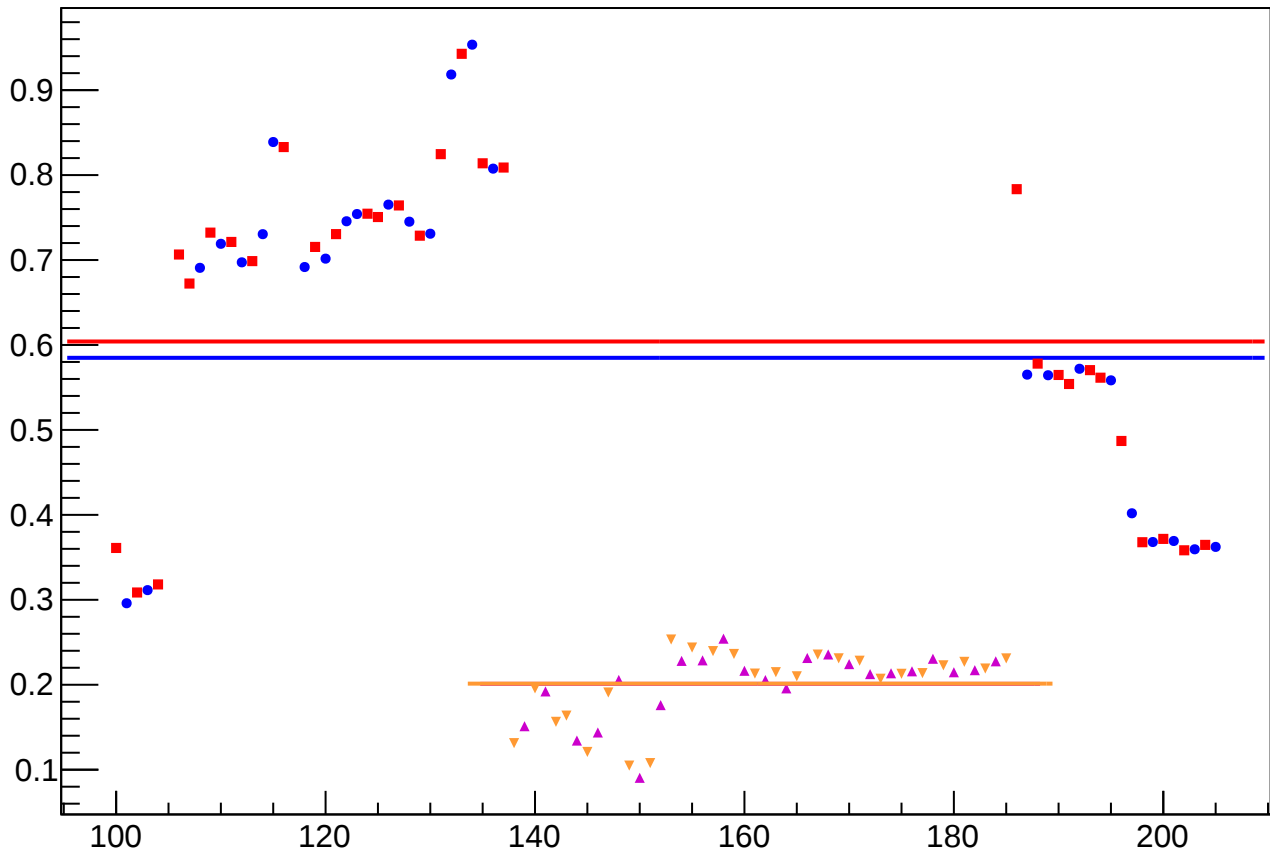
Left In: 0.012+/-0.000 χ^2/NDF :127308.3/22

+ sign 0.013+/-0.000 χ^2/NDF : 1320510.7/50

All: 0.012+/-0.000 χ^2/NDF : 2831652.7/103

- sign 0.012+/-0.000 χ^2/NDF : 1507370.9/52

yield_bpm0l07Y_mean vs Slug



Right In: 0.585 $\pm$ 0.000 χ^2 /NDF: 66322843429.5/25

Left Out: 0.201 $\pm$ 0.000 χ^2 /NDF: 7090760823.7/24

Right Out: 0.604 $\pm$ 0.000 χ^2 /NDF: 62734371467.9/29

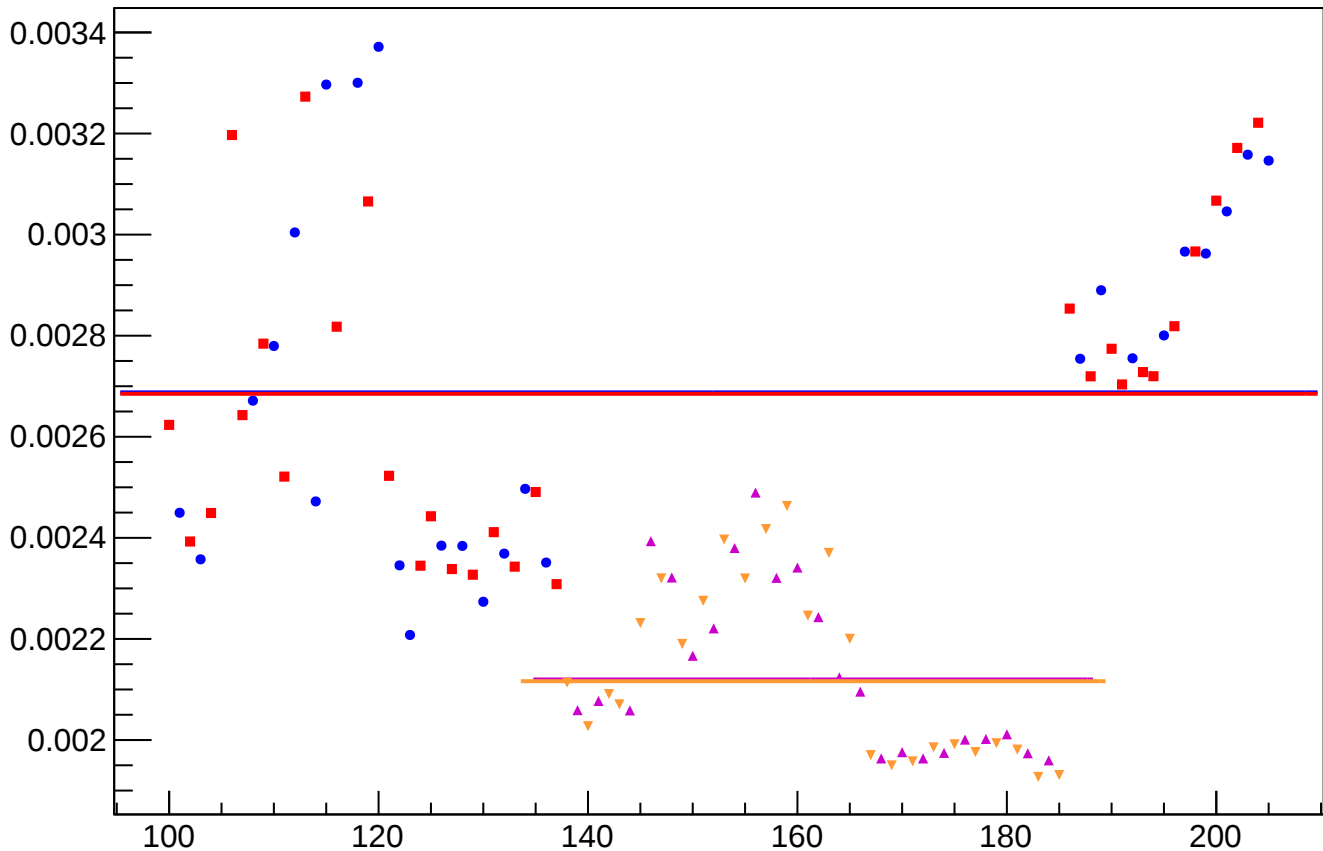
Left In: 0.201 $\pm$ 0.000 χ^2 /NDF: 5671770181.2/22

+ sign 0.316 $\pm$ 0.000 χ^2 /NDF: 250985702829.4/50

All: 0.325 $\pm$ 0.000 χ^2 /NDF: 524800081252.1

- sign 0.334 $\pm$ 0.000 χ^2 /NDF: 272836316509.3/52

yield_bpm0l07Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 364978.7/25

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:224498.3/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 288201.6/29

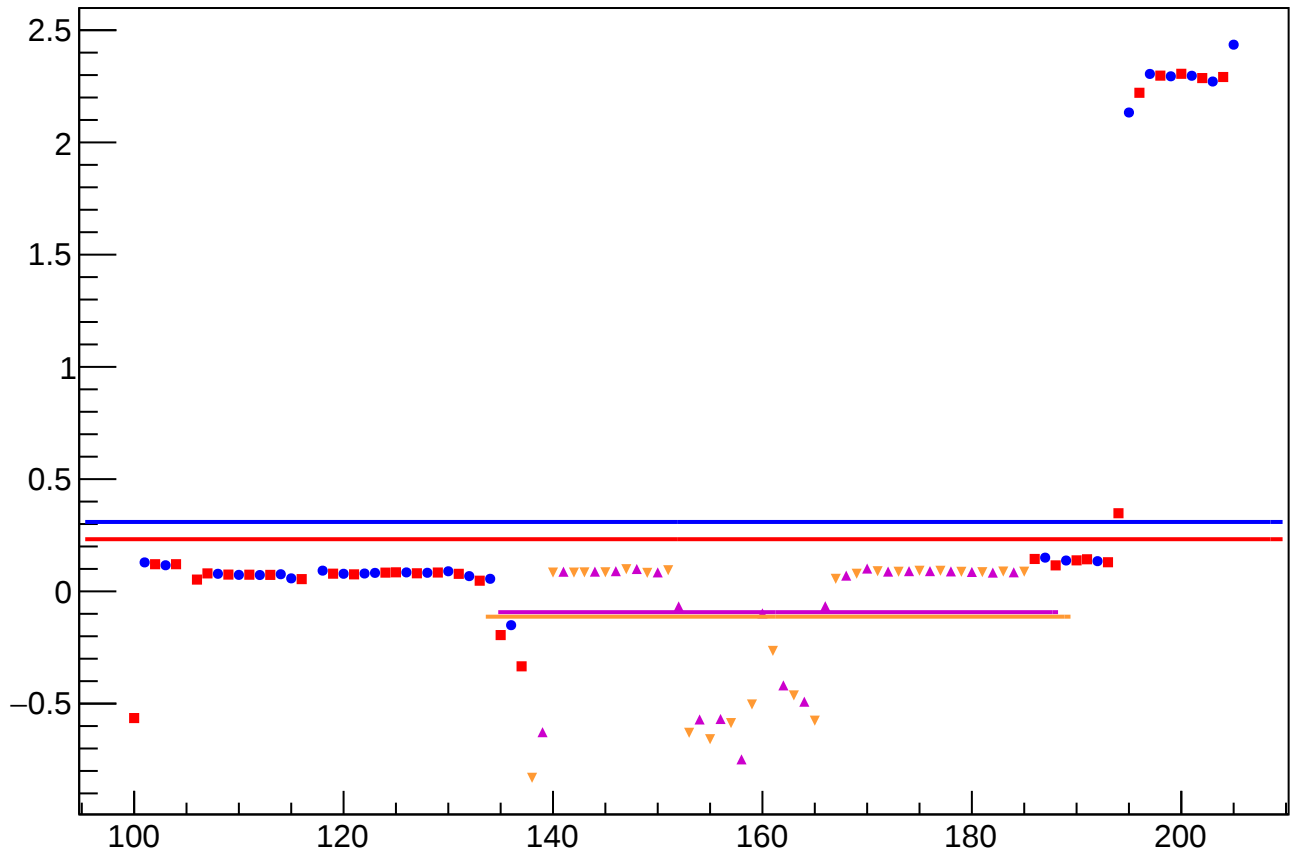
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:189228.6/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 1377734.5/50

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 2661594.7/103

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 1281635.8/52

yield_bpm0l08X_mean vs Slug



Right In: 0.309+/-0.000 χ^2/NDF : 41047092747.9/25

Left Out: -0.113+/-0.000 χ^2/NDF : 13667354077.1/24

Right Out: 0.232+/-0.000 χ^2/NDF : 34532361999.7/29

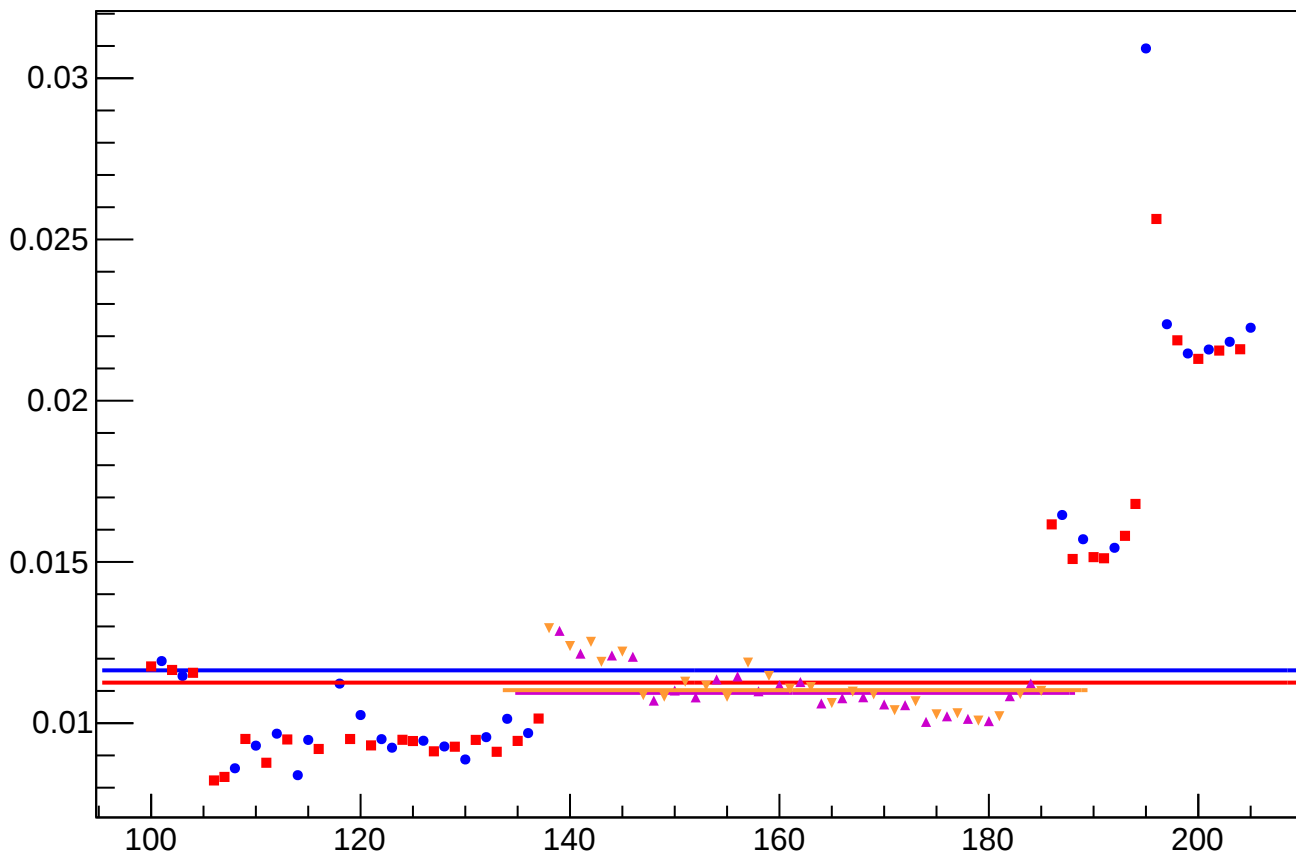
Left In: -0.093+/-0.000 χ^2/NDF : 11051944893.7/22

+ sign 0.040+/-0.000 χ^2/NDF : 64069878077.7/50

All: 0.041+/-0.000 χ^2/NDF : 115718615966.6

- sign 0.042+/-0.000 χ^2/NDF : 51648477196.1/52

yield_bpm0l08X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 3154876.2/25

Left Out: 0.011+/-0.000 χ^2/NDF :141501.7/24

Right Out: 0.011+/-0.000 χ^2/NDF : 2961050.8/29

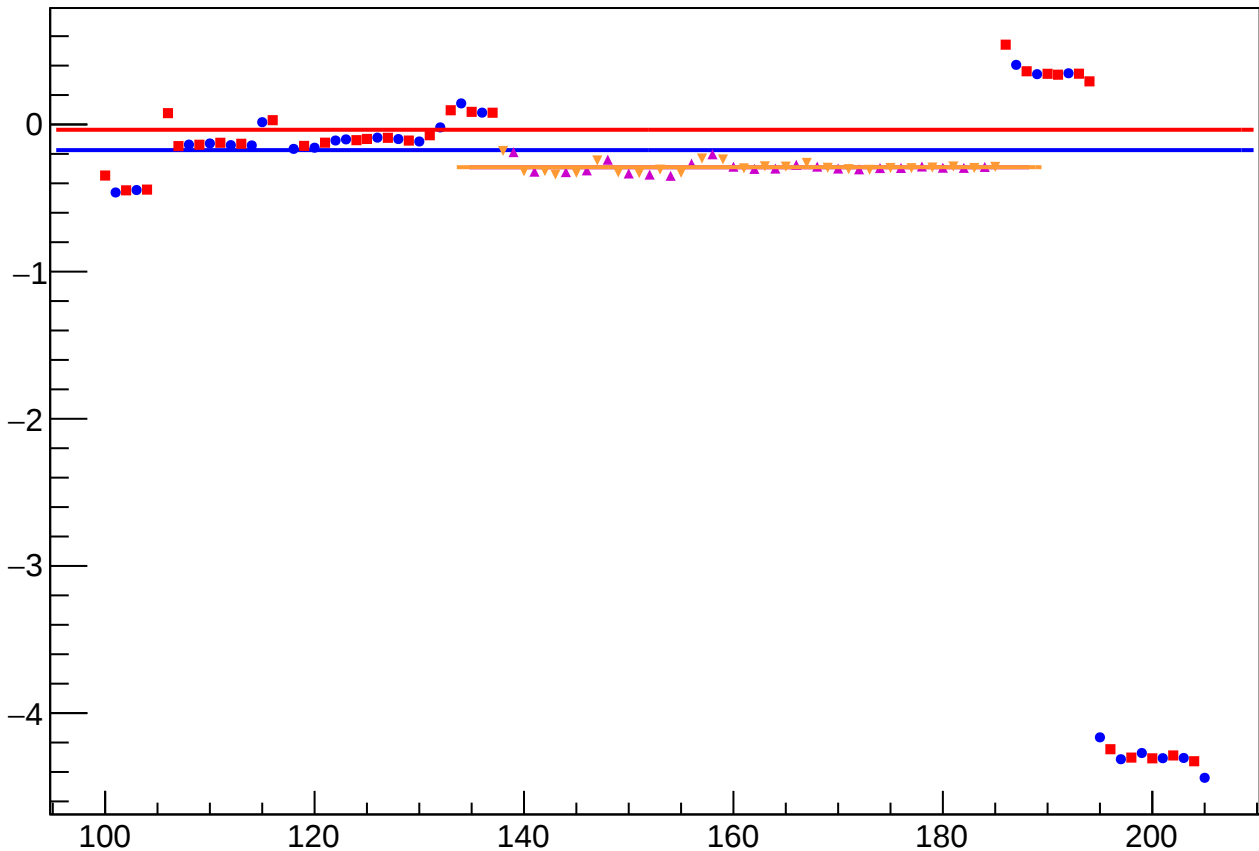
Left In: 0.011+/-0.000 χ^2/NDF :128914.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 3336037.2/50

All: 0.011+/-0.000 χ^2/NDF : 6444648.0/103

- sign 0.011+/-0.000 χ^2/NDF : 3101511.1/52

yield_bpm0l08Y_mean vs Slug



Right In: -0.174 ± 0.000 $\chi^2/\text{NDF}: 265858045663.3/25$

Left Out: -0.290 ± 0.000 $\chi^2/\text{NDF}: 2877519093.0/24$

Right Out: -0.036 ± 0.000 $\chi^2/\text{NDF}: 244380886853.9/29$

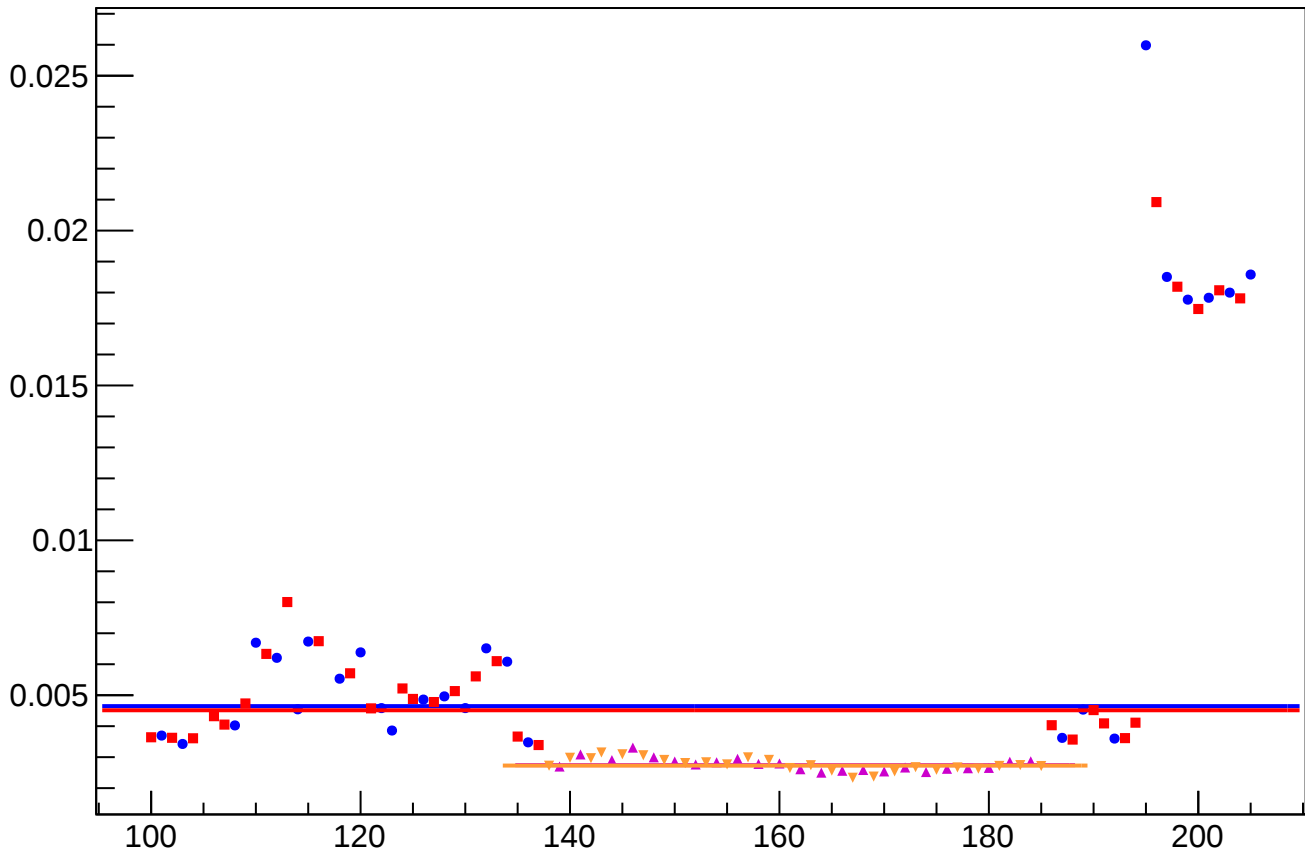
Left In: -0.291 ± 0.000 $\chi^2/\text{NDF}: 3125402243.3/22$

+ sign -0.273 ± 0.000 $\chi^2/\text{NDF}: 273566211054.5/50$

All: -0.257 ± 0.000 $\chi^2/\text{NDF}: 550085334579.9$

- 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: 6325324.3/25

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

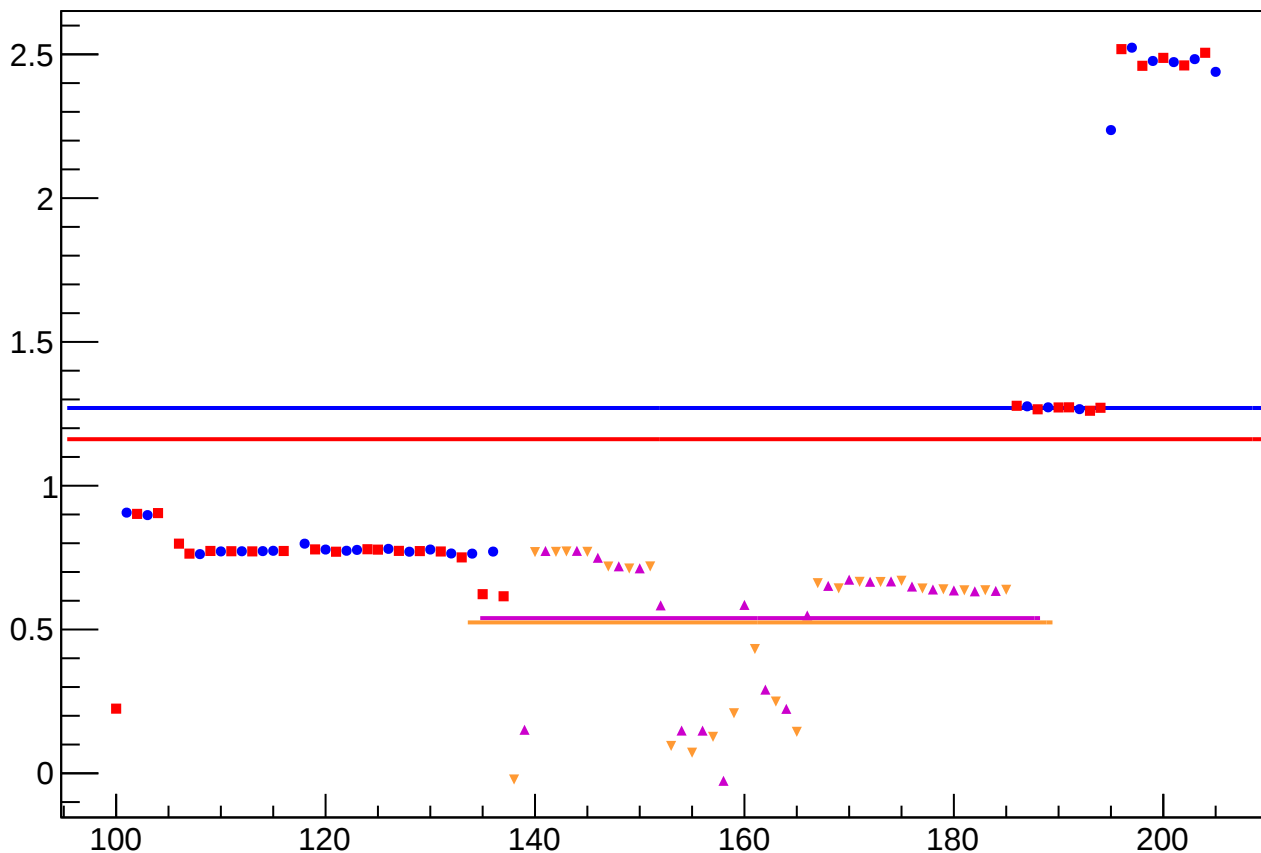
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:147778.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 9179738.8/50

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 17022580.5/103

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 7831464.2/52

yield_bpm0l09X_mean vs Slug



Right In: 1.270+/-0.000 χ^2/NDF : 43450137148.5/25

Left Out: 0.525+/-0.000 χ^2/NDF :9623503169.9/24

+ sign 0.785+/-0.000 χ^2/NDF : 82648056883.0/50

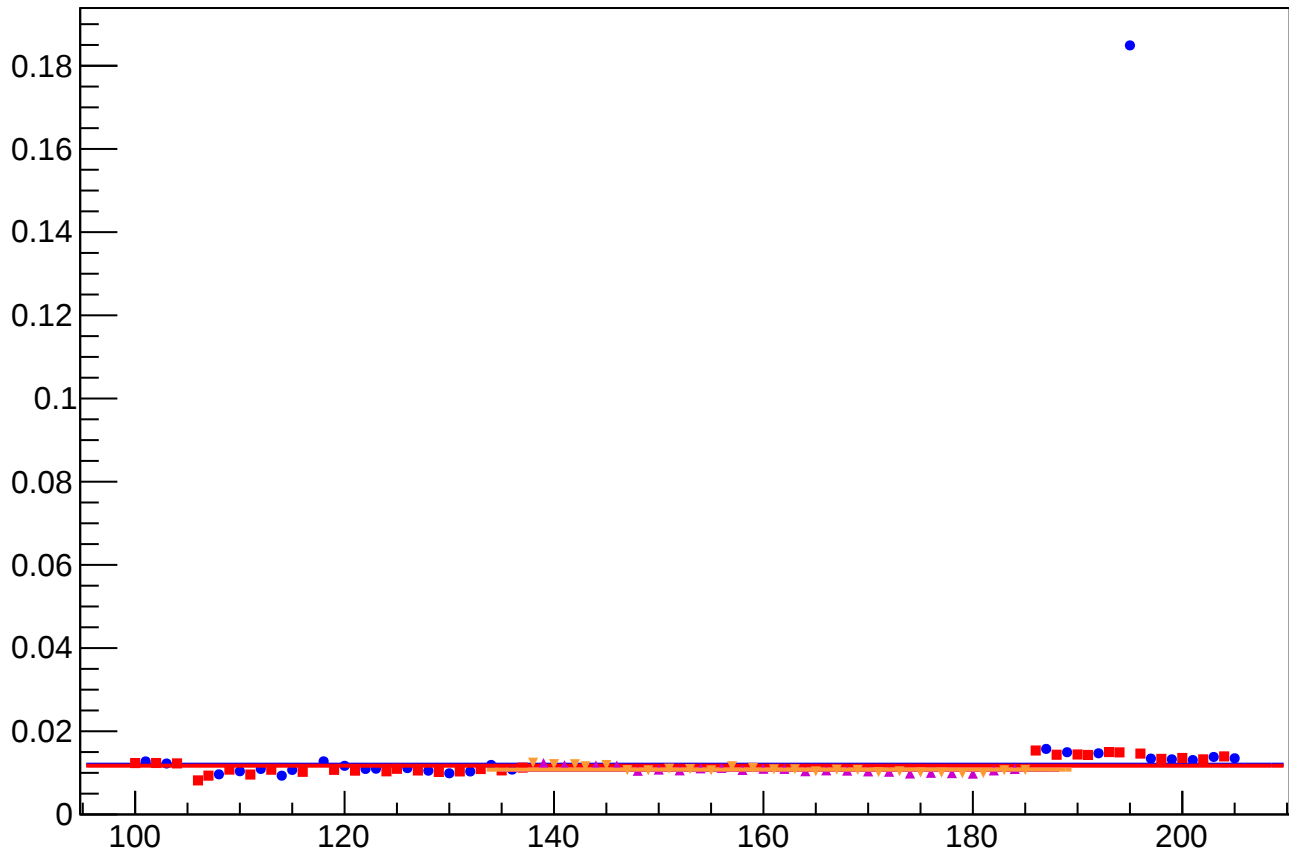
Right Out: 1.162+/-0.000 χ^2/NDF : 40416434615.6/29

All: 0.784+/-0.000 χ^2/NDF : 153110776291.5

- sign 0.784+/-0.000 χ^2/NDF : 70462644150.9/52

Left In: 0.540+/-0.000 χ^2/NDF :7860539135.5/22

yield_bpm0l09X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1885027.0/25

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

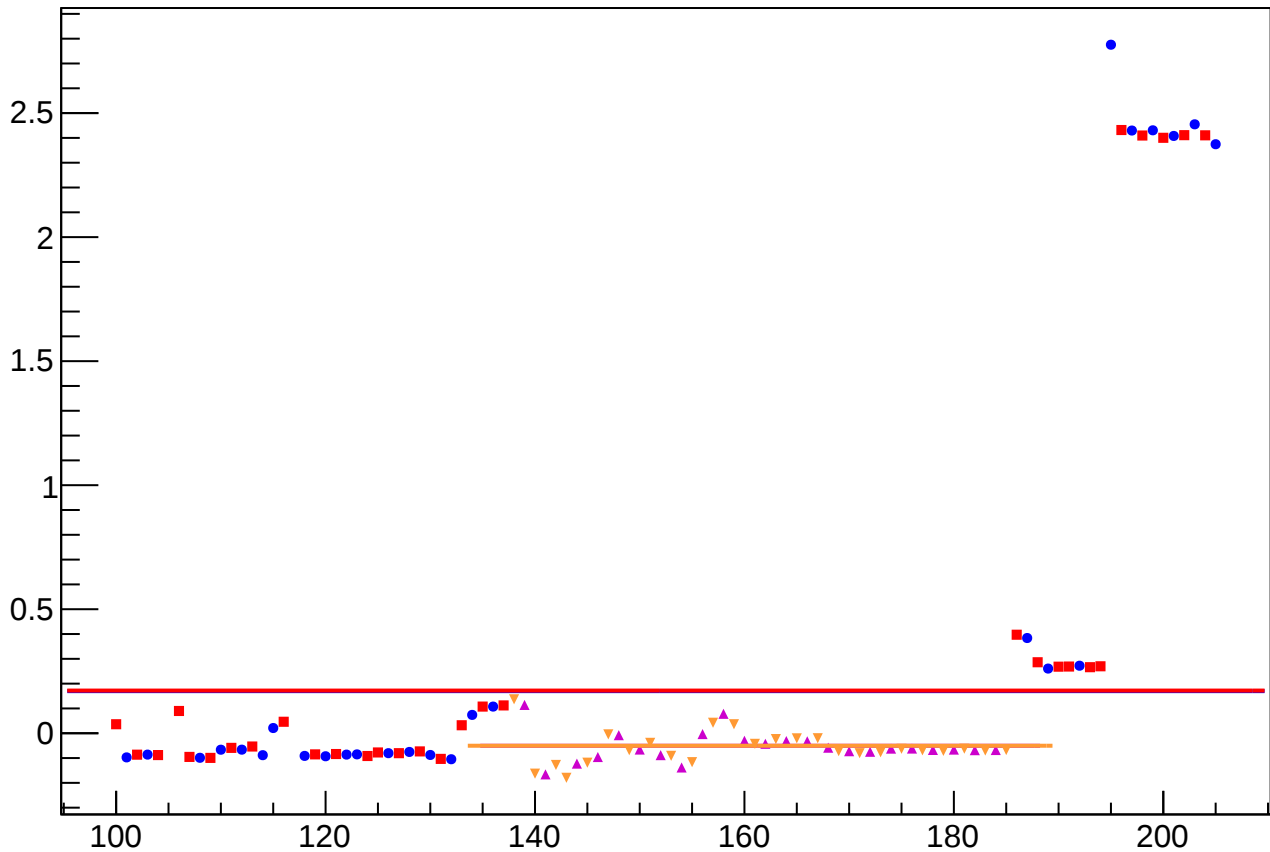
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:119273.2/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2169088.7/50

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3119787.0/103

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 948716.1/52

yield_bpm0l09Y_mean vs Slug



Right In: 0.170+/-0.000 χ^2/NDF : 133540761895.1/25

Left Out: -0.050+/-0.000 χ^2/NDF : 7271496478.6/24

Right Out: 0.172+/-0.000 χ^2/NDF : 108655171767.4/29

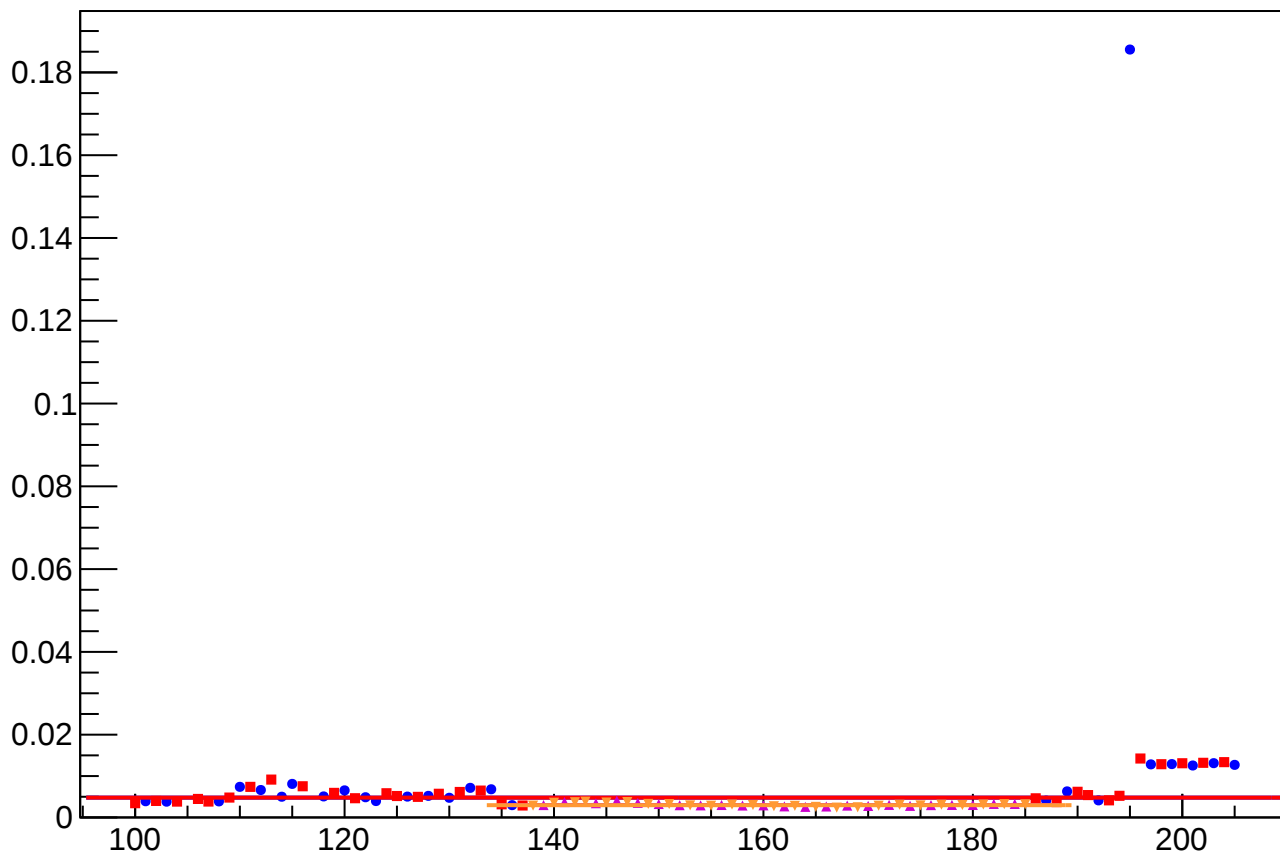
Left In: -0.051+/-0.000 χ^2/NDF : 6128769990.8/22

+ sign -0.013+/-0.000 χ^2/NDF : 156789231096.6/50

All: -0.009+/-0.000 χ^2/NDF : 289735974025.1

- sign -0.005+/-0.000 χ^2/NDF : 132874200764.1/52

yield_bpm0l09Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 5770585.5/25

Left Out: 0.003+/-0.000 χ^2/NDF : 499039.1/24

Right Out: 0.005+/-0.000 χ^2/NDF : 3872213.3/29

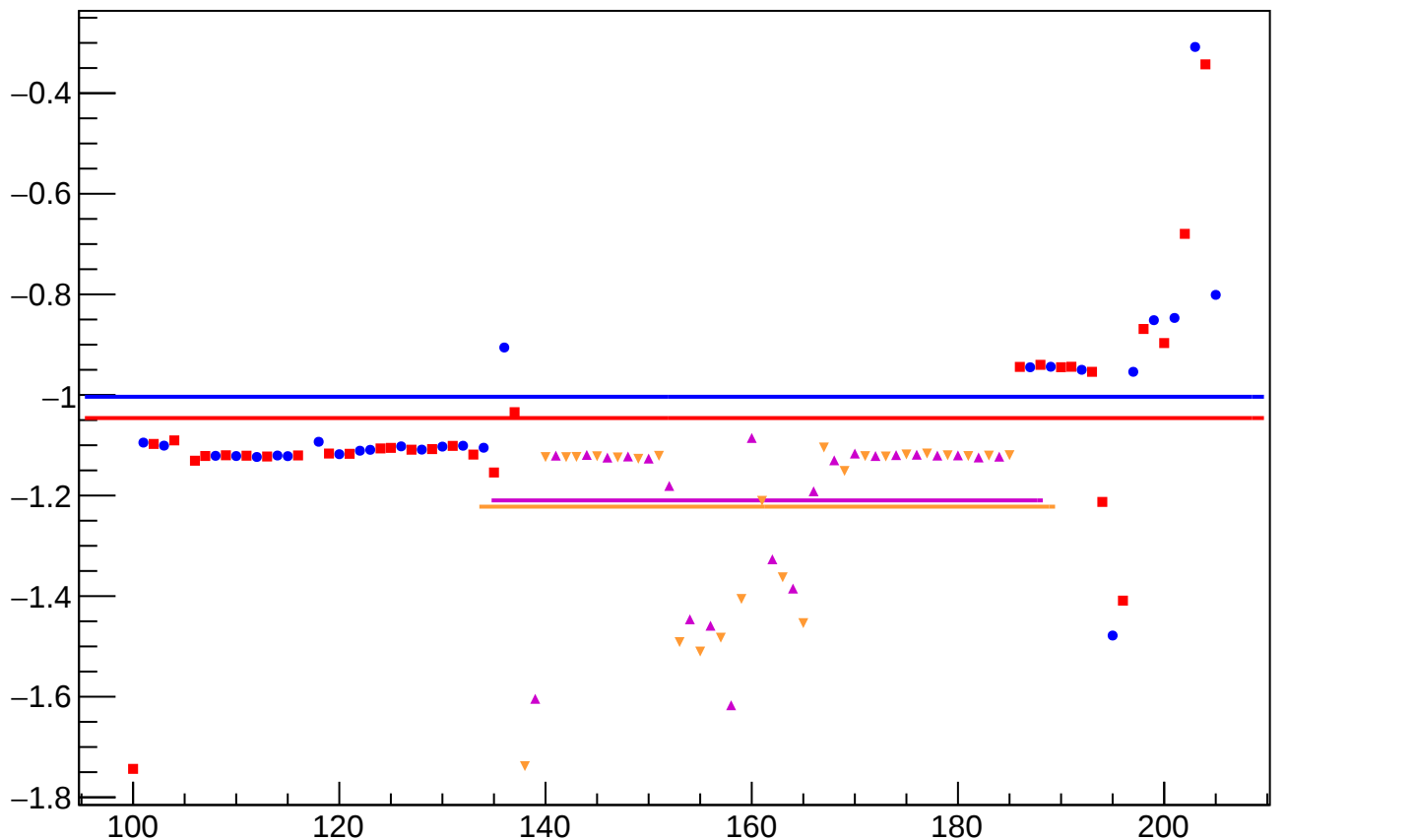
Left In: 0.003+/-0.000 χ^2/NDF : 329068.1/22

+ sign 0.003+/-0.000 χ^2/NDF : 8462540.1/50

All: 0.003+/-0.000 χ^2/NDF : 15009703.0/103

- sign 0.003+/-0.000 χ^2/NDF : 6526128.4/52

yield_bpm0l10X_mean vs Slug



Right In: -1.004 ± 0.000 $\chi^2/\text{NDF}: 4013822694.4/25$

Left Out: -1.222 ± 0.000 $\chi^2/\text{NDF}: 5279548861.3/24$

Right Out: -1.046 ± 0.000 $\chi^2/\text{NDF}: 3705379971.3/29$

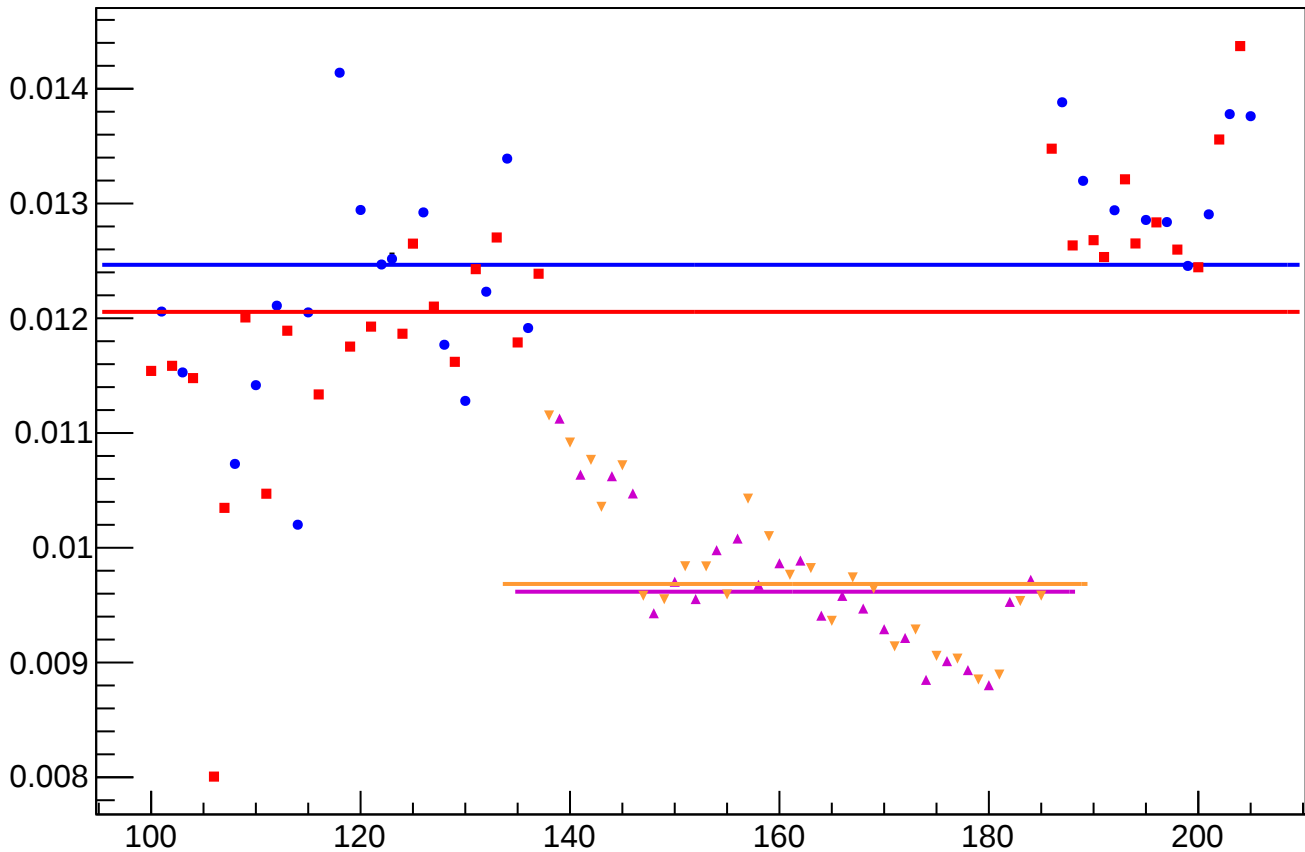
Left In: -1.210 ± 0.000 $\chi^2/\text{NDF}: 4502367902.8/22$

+ sign -1.157 ± 0.000 $\chi^2/\text{NDF}: 11999102655.1/50$

All: -1.155 ± 0.000 $\chi^2/\text{NDF}: 21872407942.4/50$

- sign -1.154 ± 0.000 $\chi^2/\text{NDF}: 9871954844.9/52$

yield_bpm0l10X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 119827.0/25

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

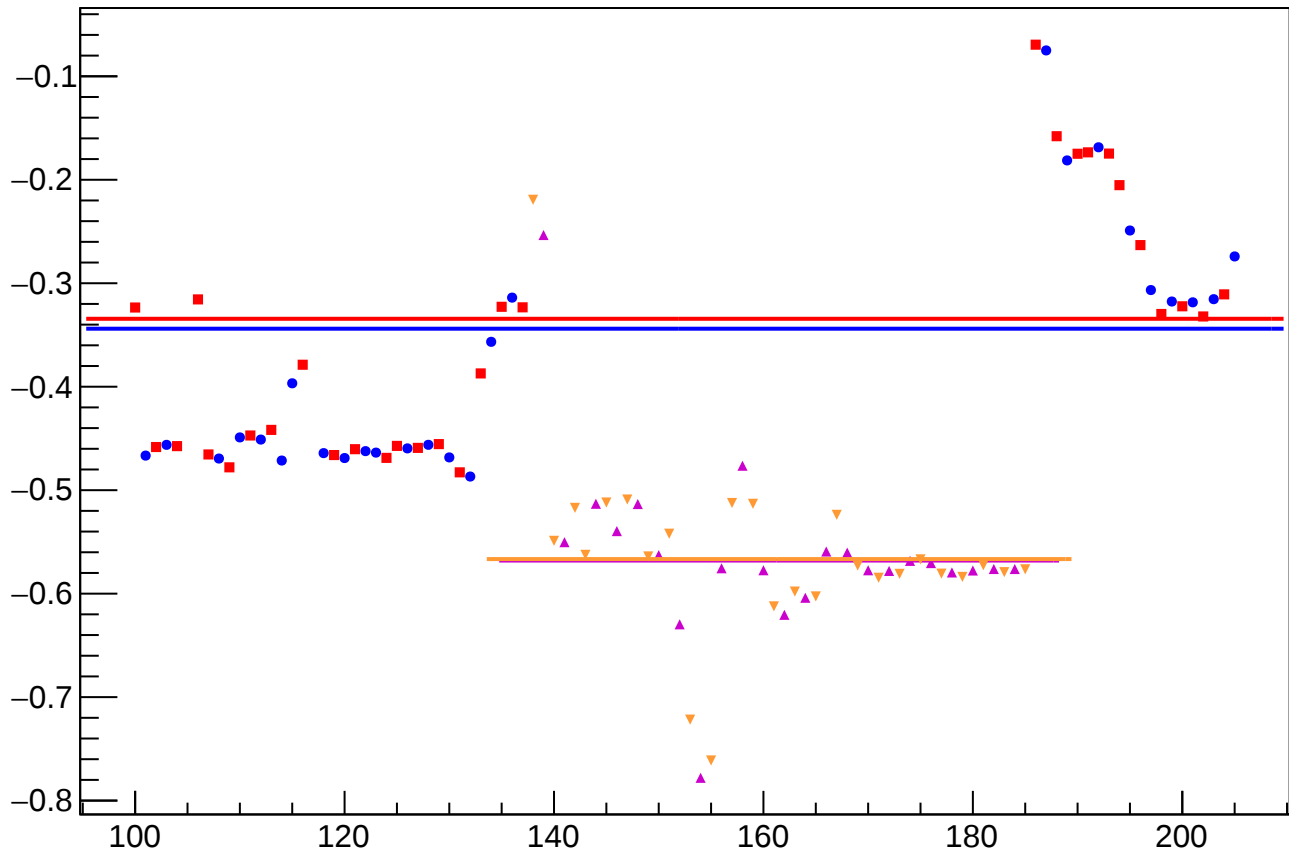
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:119823.1/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1131331.1/50

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 2279187.4/103

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 1146722.3/52

yield_bpm0l10Y_mean vs Slug



Right In: -0.344+/-0.000 χ^2/NDF : 8089695898.5/25

Left Out: -0.567+/-0.000 χ^2/NDF : 13368458519.3/24

Right Out: -0.334+/-0.000 χ^2/NDF : 10367100091.5/29

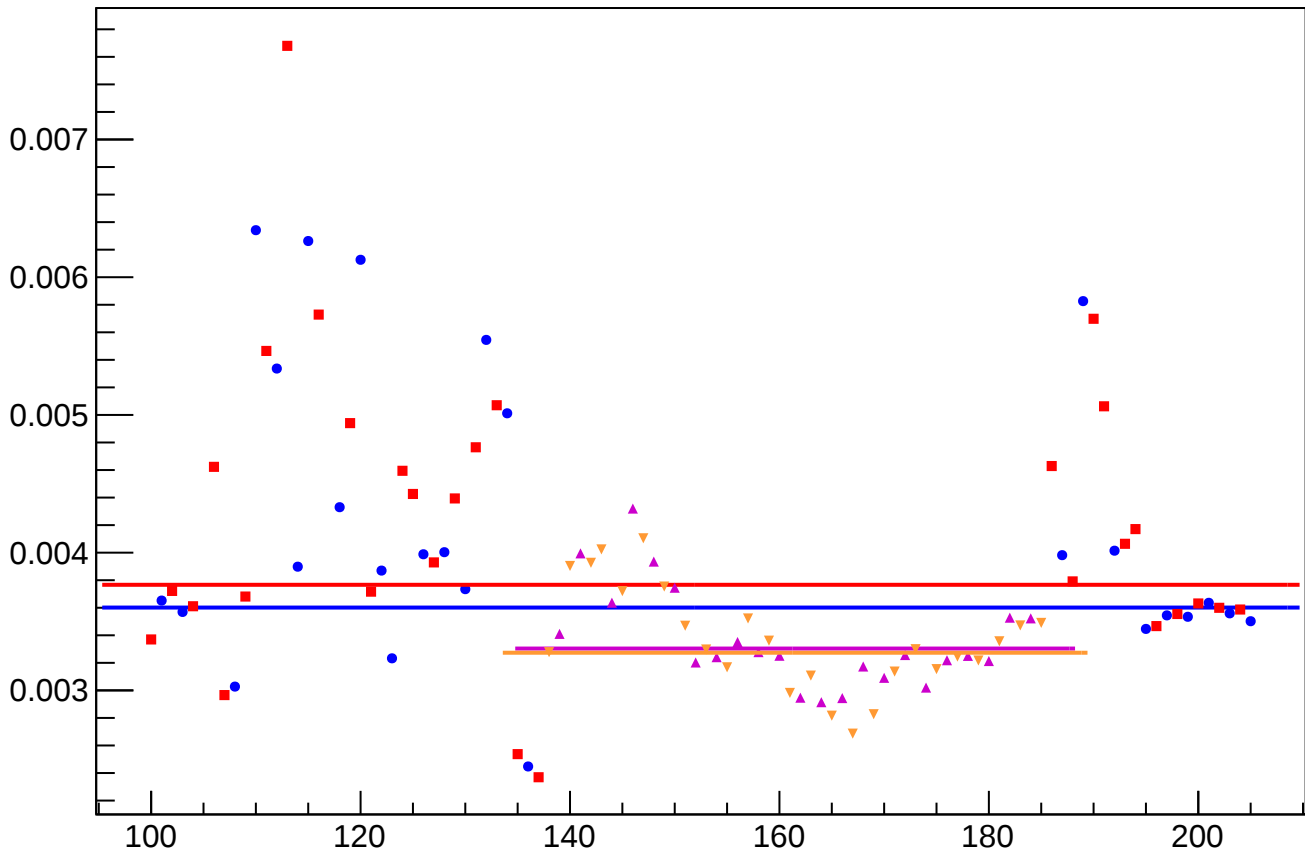
Left In: -0.568+/-0.000 χ^2/NDF : 10458990019.9/22

+ sign -0.487+/-0.000 χ^2/NDF : 49691232075.7/50

All: -0.484+/-0.000 χ^2/NDF : 100787626044.9

- sign -0.481+/-0.000 χ^2/NDF : 51039287625.3/52

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 994446.2/25

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

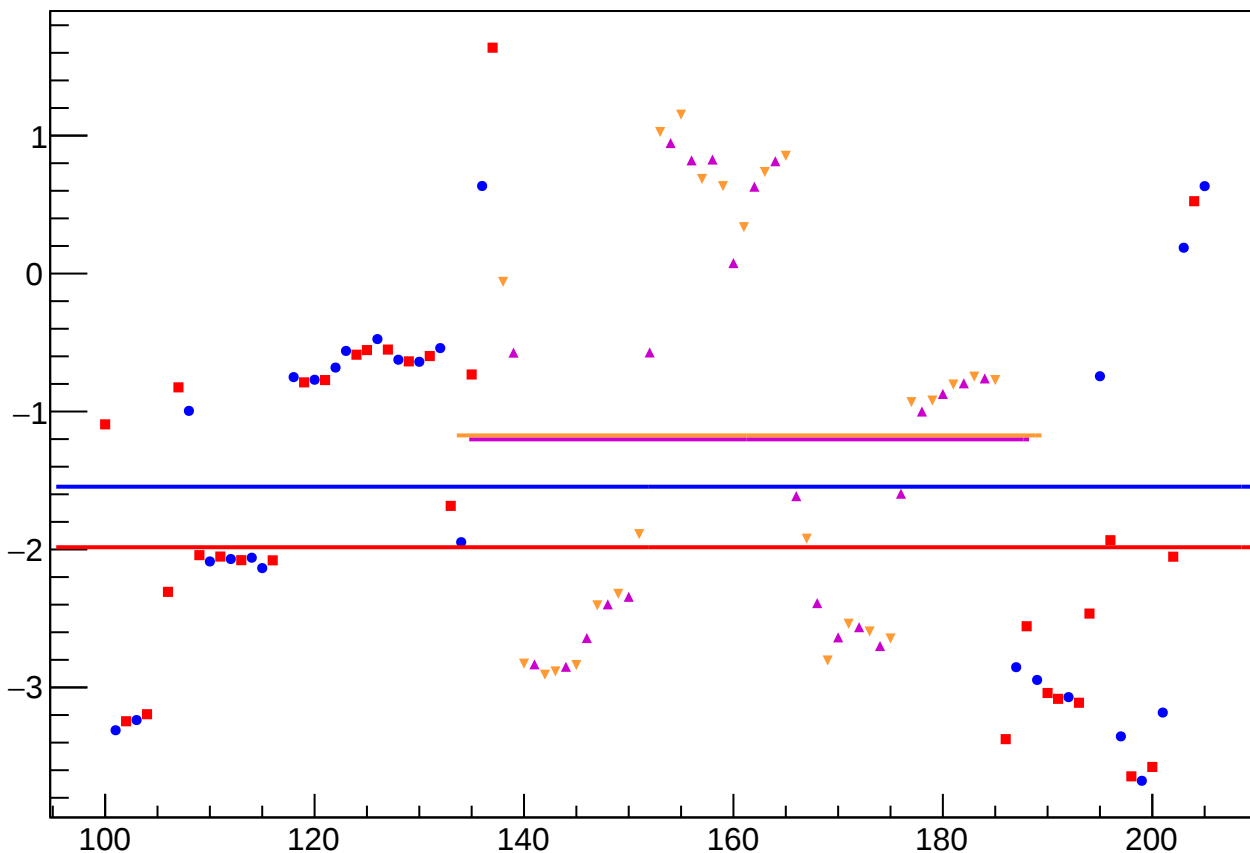
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:286064.1/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1511812.6/50

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3117460.0/103

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1587329.2/52

yield_bpm0r03X_mean vs Slug



Right In: -1.545 ± 0.000 χ^2/NDF : 5089436898.7/25

Left Out: -1.173 ± 0.000 χ^2/NDF : 6882684653.2/24

Right Out: -1.984 ± 0.000 χ^2/NDF : 3878689660.6/29

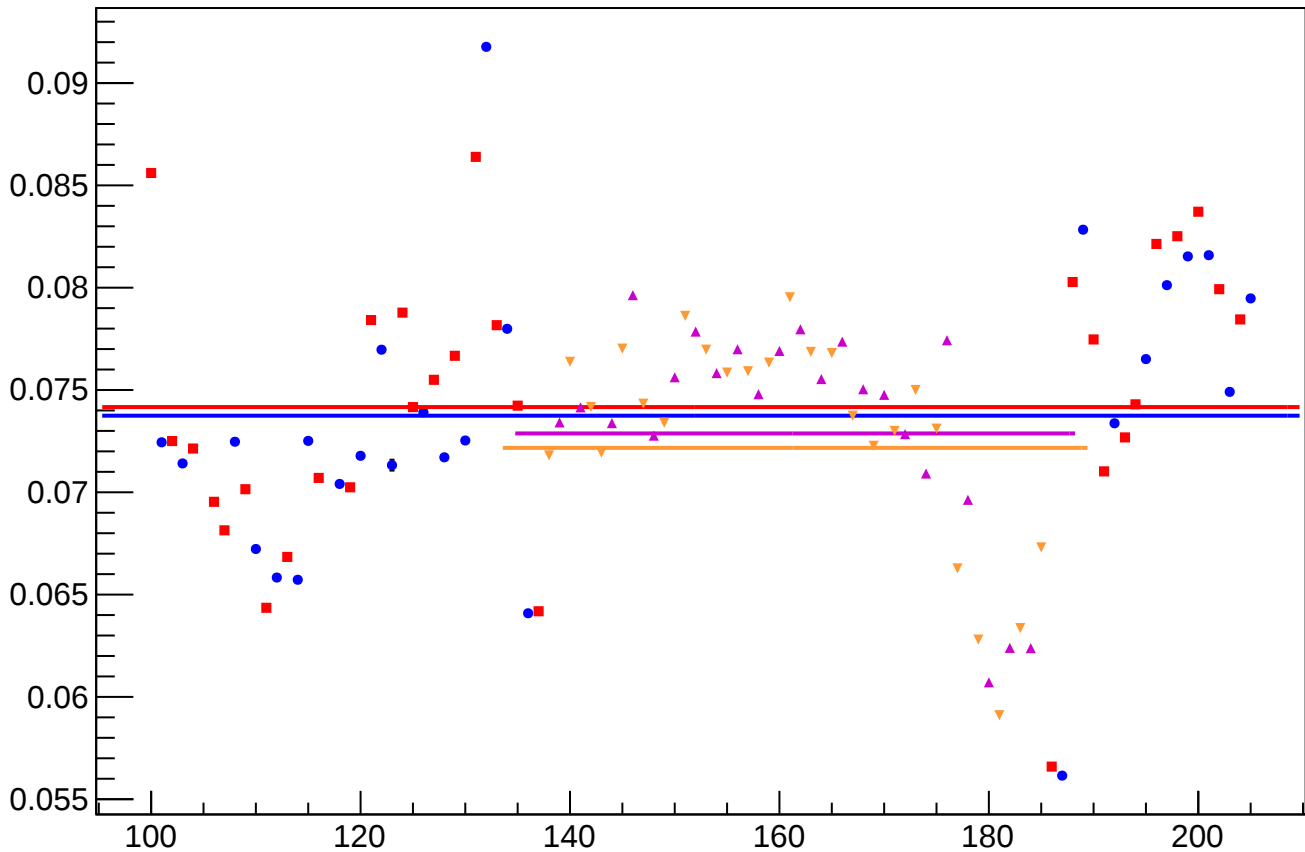
Left In: -1.202 ± 0.000 χ^2/NDF : 5606782515.9/22

+ sign -1.323 ± 0.000 χ^2/NDF : 12165157964.5/50

All: -1.435 ± 0.000 χ^2/NDF : 22659072427.8/52

- sign -1.548 ± 0.000 χ^2/NDF : 10348816306.8/52

yield_bpm0r03X_rms vs Slug



Right In: 0.074 $\pm$ 0.000 χ^2 /NDF: 185144.3/25

Left Out: 0.072 $\pm$ 0.000 χ^2 /NDF: 222263.8/24

Right Out: 0.074 $\pm$ 0.000 χ^2 /NDF: 226263.7/29

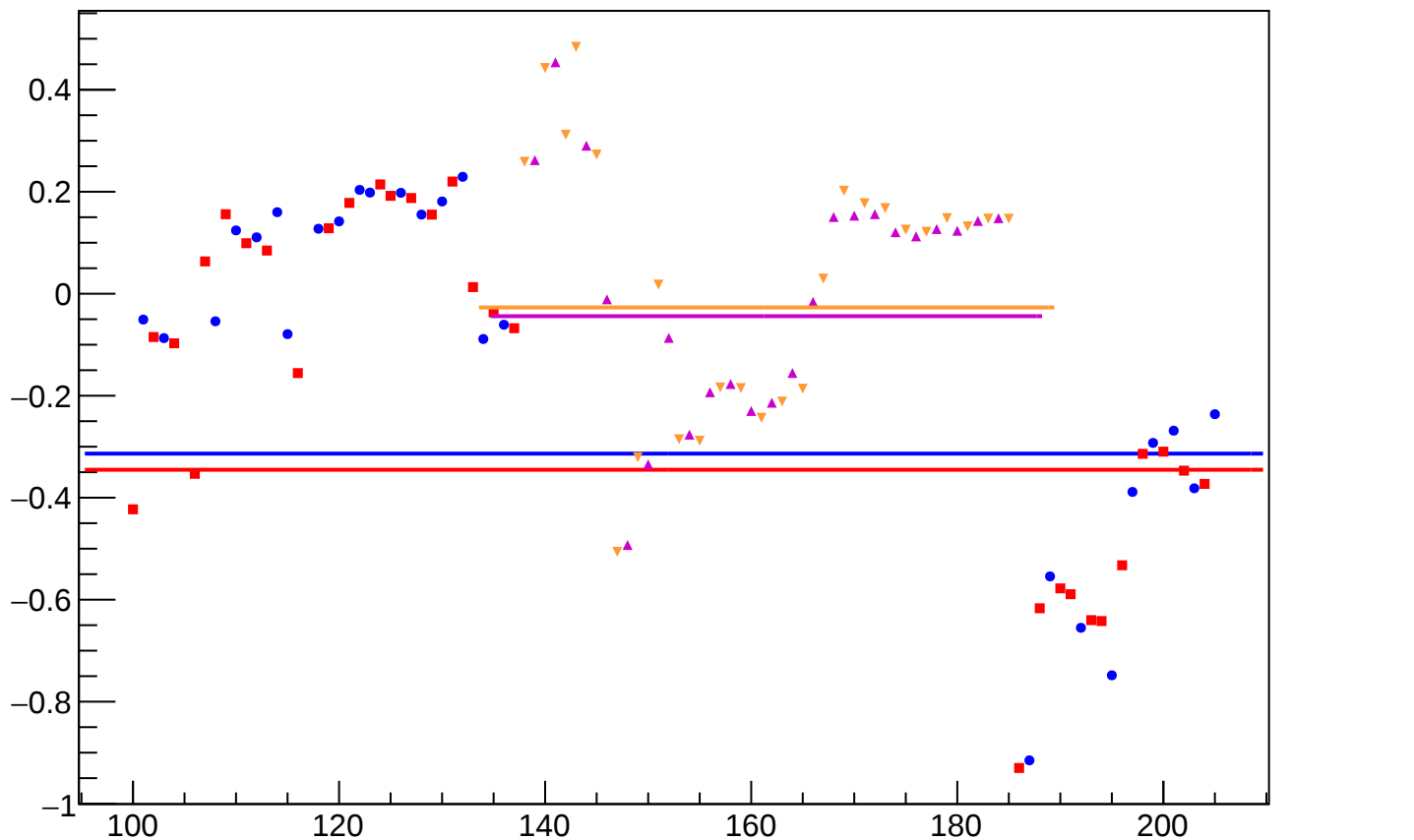
Left In: 0.073 $\pm$ 0.000 χ^2 /NDF: 183503.0/22

+ sign 0.073 $\pm$ 0.000 χ^2 /NDF: 414320.7/50

All: 0.073 $\pm$ 0.000 χ^2 /NDF: 831145.1/103

- sign 0.073 $\pm$ 0.000 χ^2 /NDF: 414454.9/52

yield_bpm0r03Y_mean vs Slug



Right In: -0.314 ± 0.000 $\chi^2/\text{NDF}: 12247489912.3/25$

Left Out: -0.027 ± 0.000 $\chi^2/\text{NDF}: 20376761328.6/24$

Right Out: -0.345 ± 0.000 $\chi^2/\text{NDF}: 10953966911.9/29$

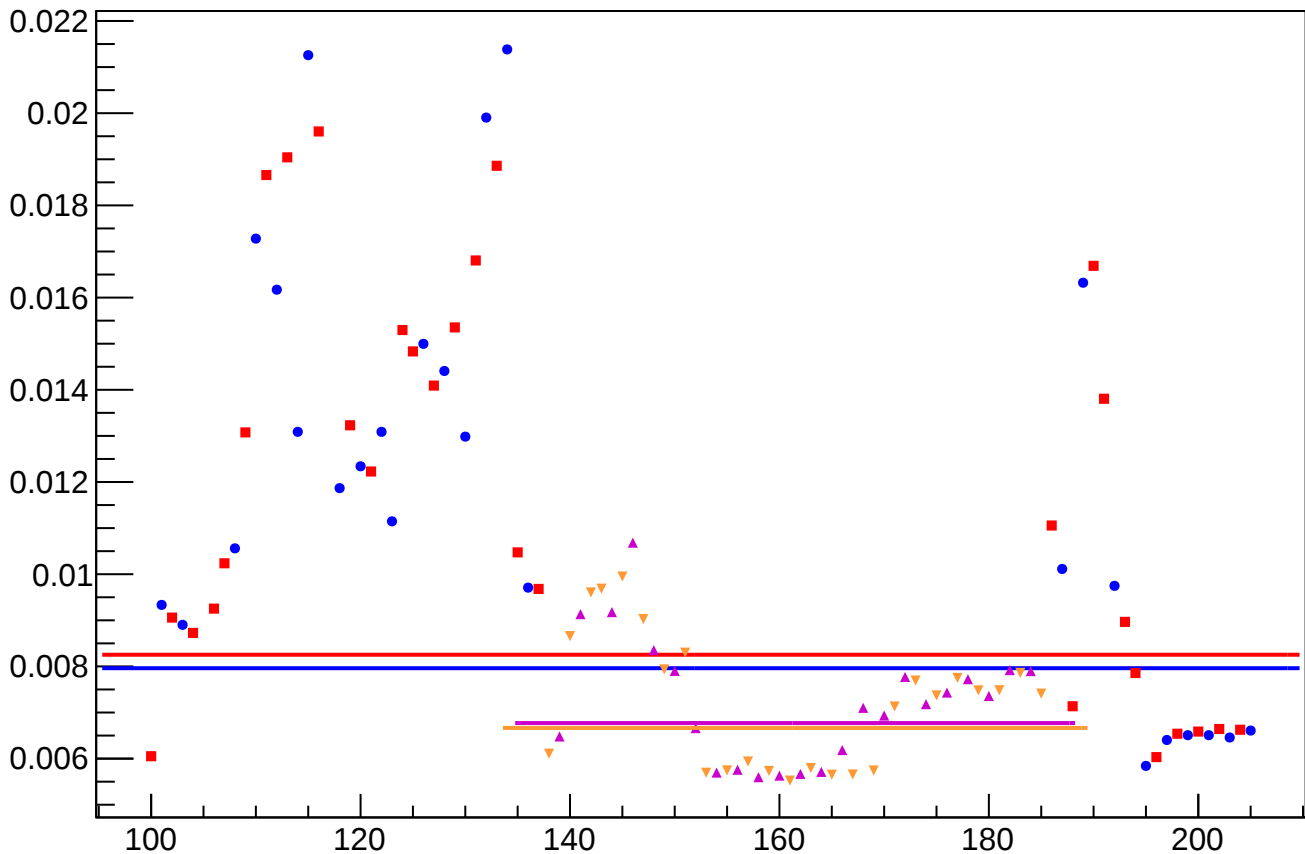
Left In: -0.044 ± 0.000 $\chi^2/\text{NDF}: 15718556282.1/22$

+ sign -0.117 ± 0.000 $\chi^2/\text{NDF}: 42332256341.2/50$

All: -0.130 ± 0.000 $\chi^2/\text{NDF}: 79532521763.7/100$

- 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 : 2650343.6/25

Left Out: 0.007+/-0.000 χ^2/NDF :1143768.6/24

Right Out: 0.008+/-0.000 χ^2/NDF : 2847051.7/29

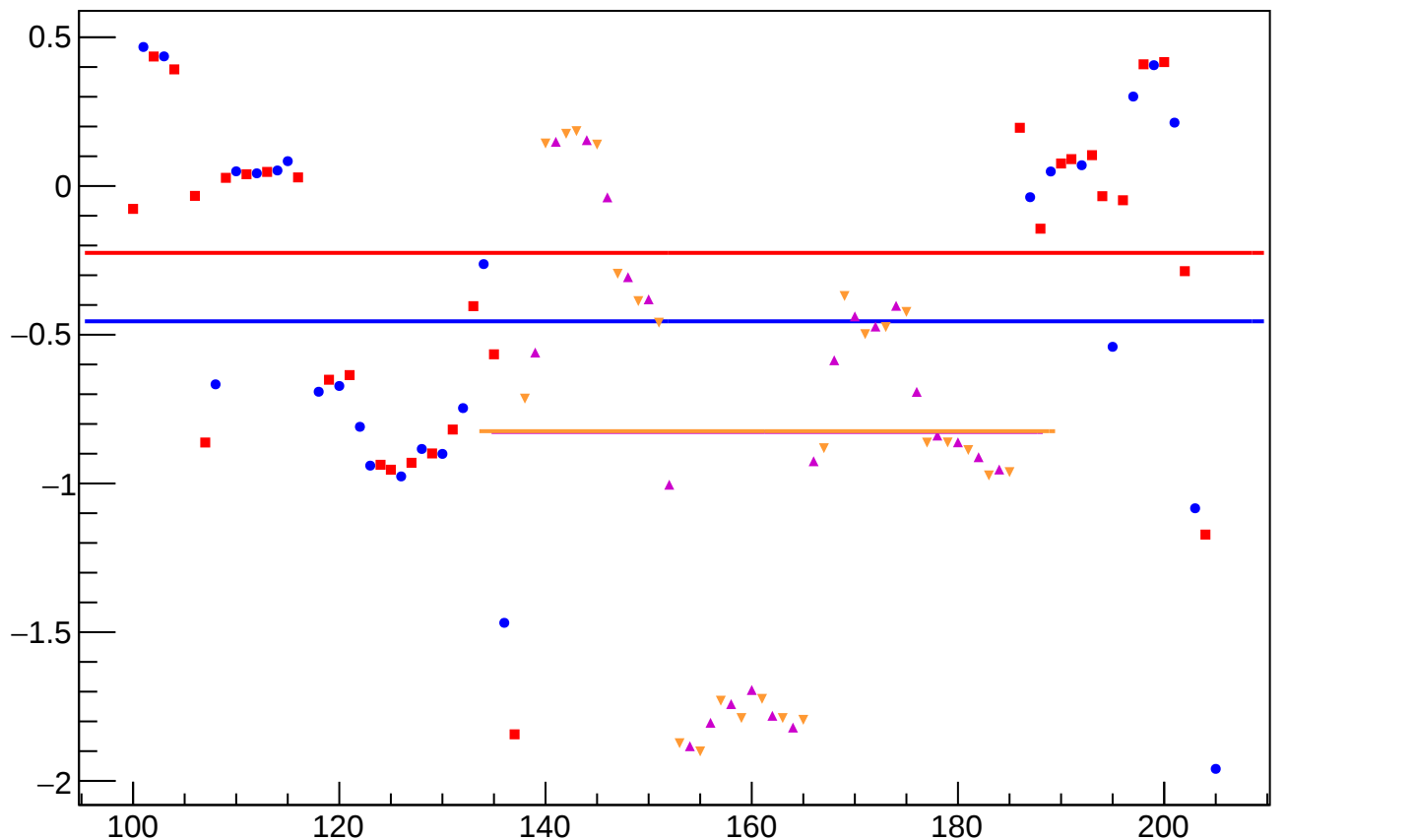
Left In: 0.007+/-0.000 χ^2/NDF :934050.3/22

+ sign 0.007+/-0.000 χ^2/NDF : 4190522.6/50

All: 0.007+/-0.000 χ^2/NDF : 8490932.2/103

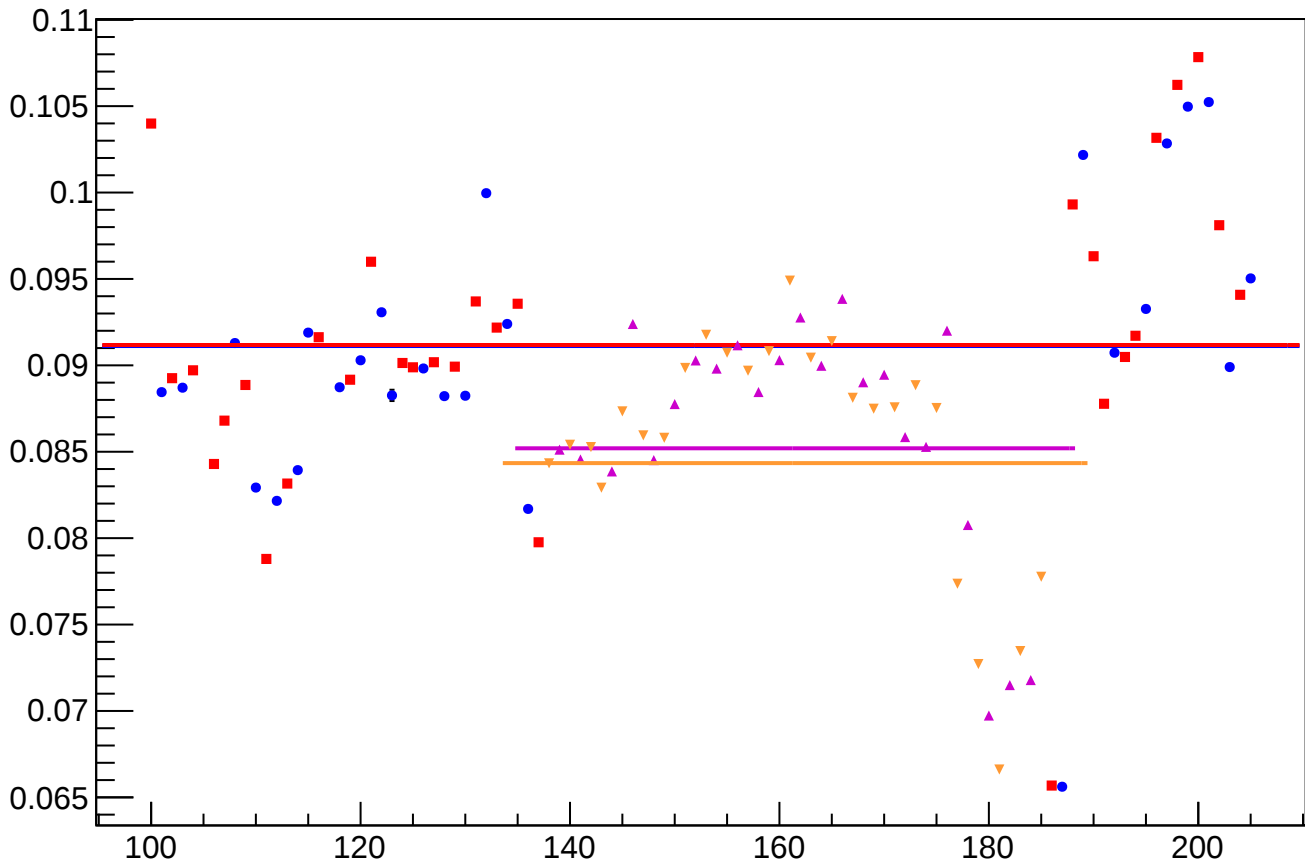
- sign 0.007+/-0.000 χ^2/NDF : 4281253.6/52

yield_bpm0r05X_mean vs Slug



Right In: -0.455+/-0.000	χ^2/NDF : 755856255.6/25	+ sign -0.685+/-0.000	χ^2/NDF : 1991155053.8/50
Left Out: -0.824+/-0.000	χ^2/NDF : 1103610806.5/24	All: -0.631+/-0.000	χ^2/NDF : 3752937652.4/1
Right Out: -0.225+/-0.000	χ^2/NDF : 458990243.1/29	- sign -0.576+/-0.000	χ^2/NDF : 1737517765.5/52
Left In: -0.827+/-0.000	χ^2/NDF : 921651117.3/22		

yield_bpm0r05X_rms vs Slug



Right In: 0.091 $\pm$ 0.000 χ^2 /NDF: 189093.6/25

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

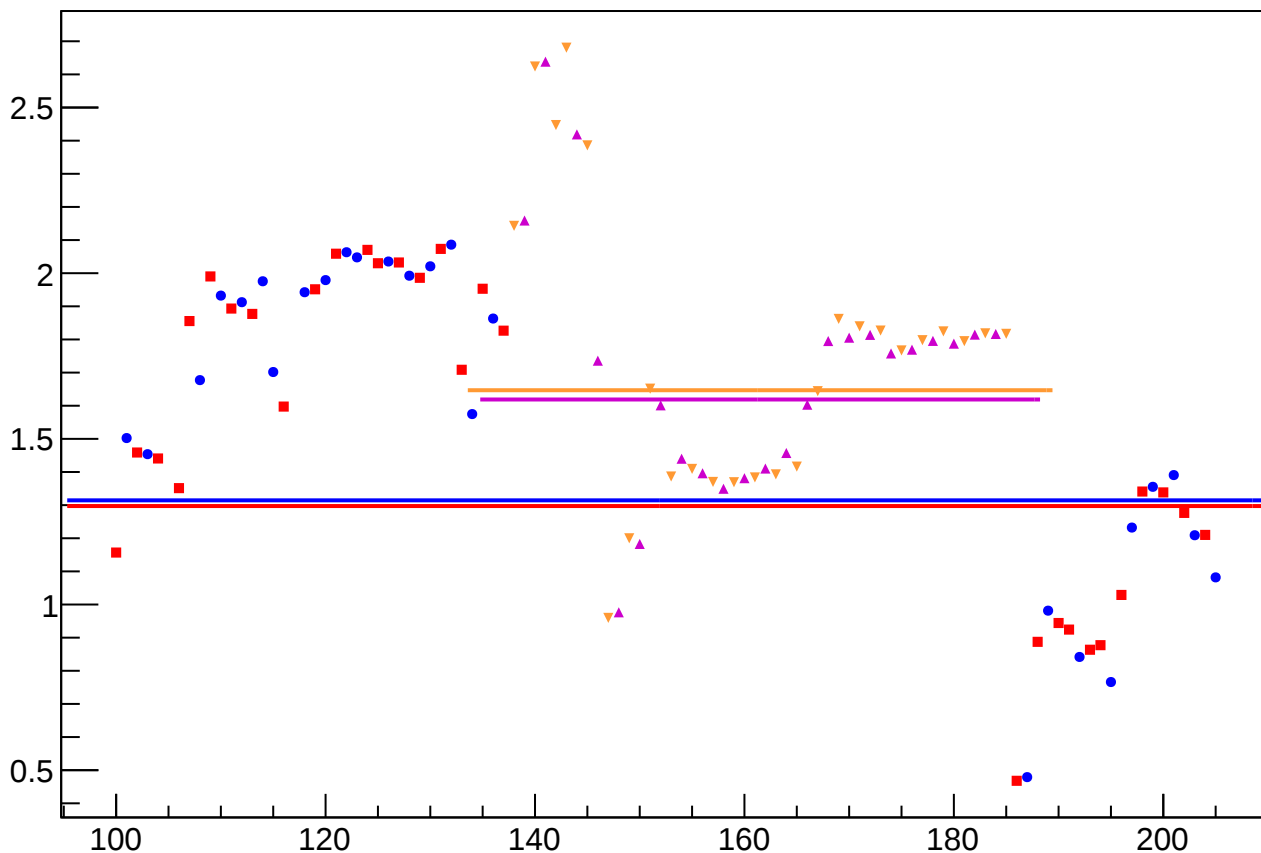
Left In: 0.085 $\pm$ 0.000 χ^2 /NDF: 238313.9/22

+ sign 0.087 $\pm$ 0.000 χ^2 /NDF: 565977.2/50

All: 0.087 $\pm$ 0.000 χ^2 /NDF: 1157401.7/103

- sign 0.088 $\pm$ 0.000 χ^2 /NDF: 588860.9/52

yield_bpm0r05Y_mean vs Slug



Right In: 1.314 $\pm$ 0.000 χ^2 /NDF: 13306418191.0/25

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

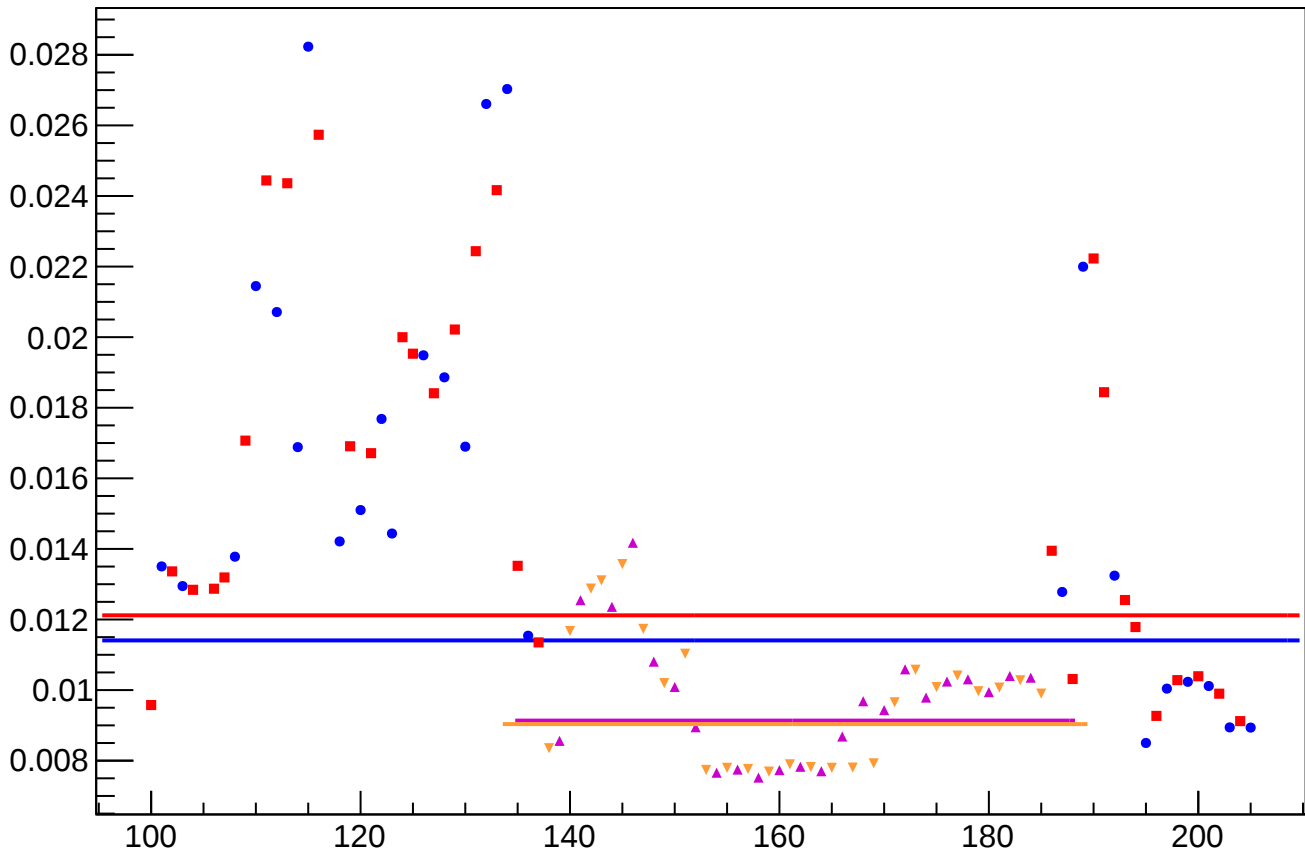
Left In: 1.619 $\pm$ 0.000 χ^2 /NDF: 20618198188.1/22

+ sign 1.550 $\pm$ 0.000 χ^2 /NDF: 46565856435.4/50

All: 1.537 $\pm$ 0.000 χ^2 /NDF: 85275755143.5/51

- sign 1.523 $\pm$ 0.000 χ^2 /NDF: 38606816149.8/52

yield_bpm0r05Y_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 2021951.0/25

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

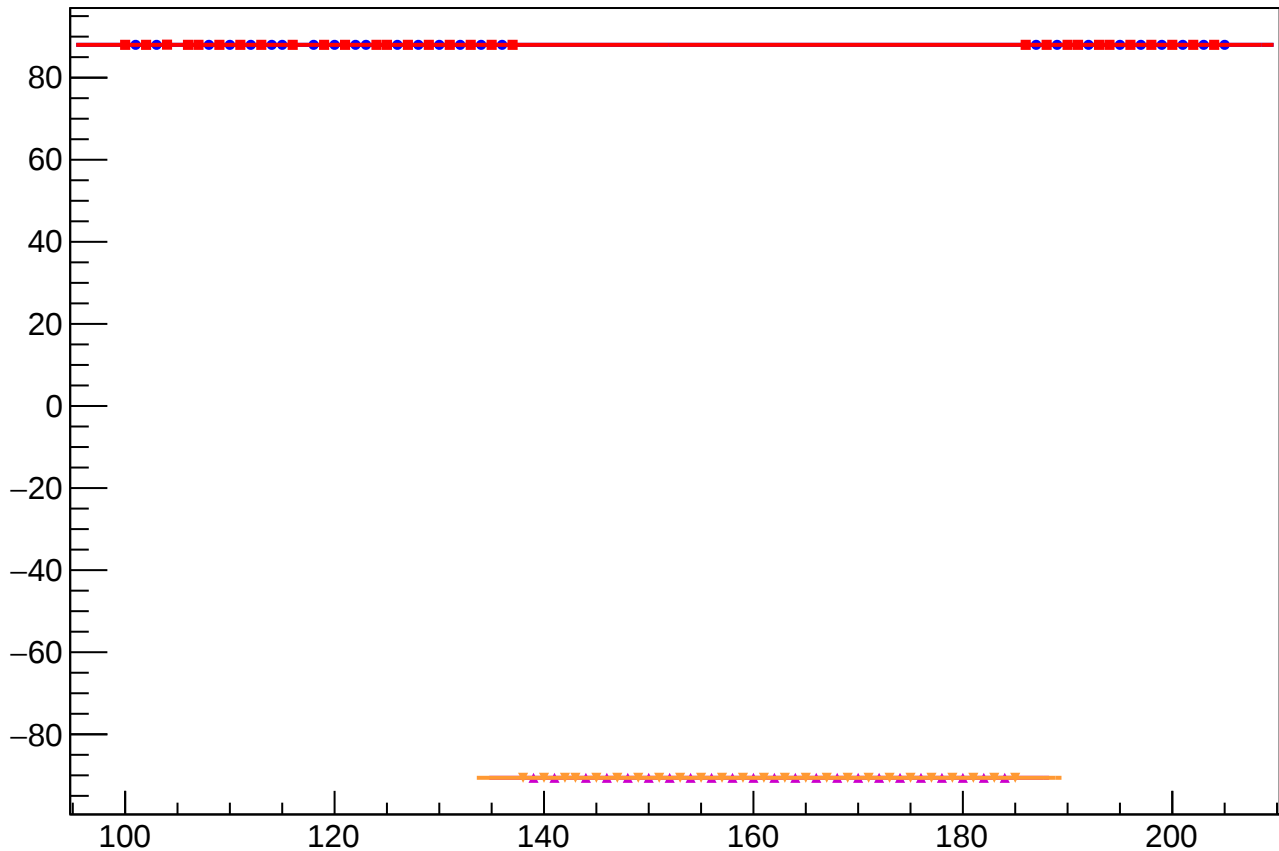
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:878356.2/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3749572.0/50

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 7776336.4/103

- 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: 5273276.4/25

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

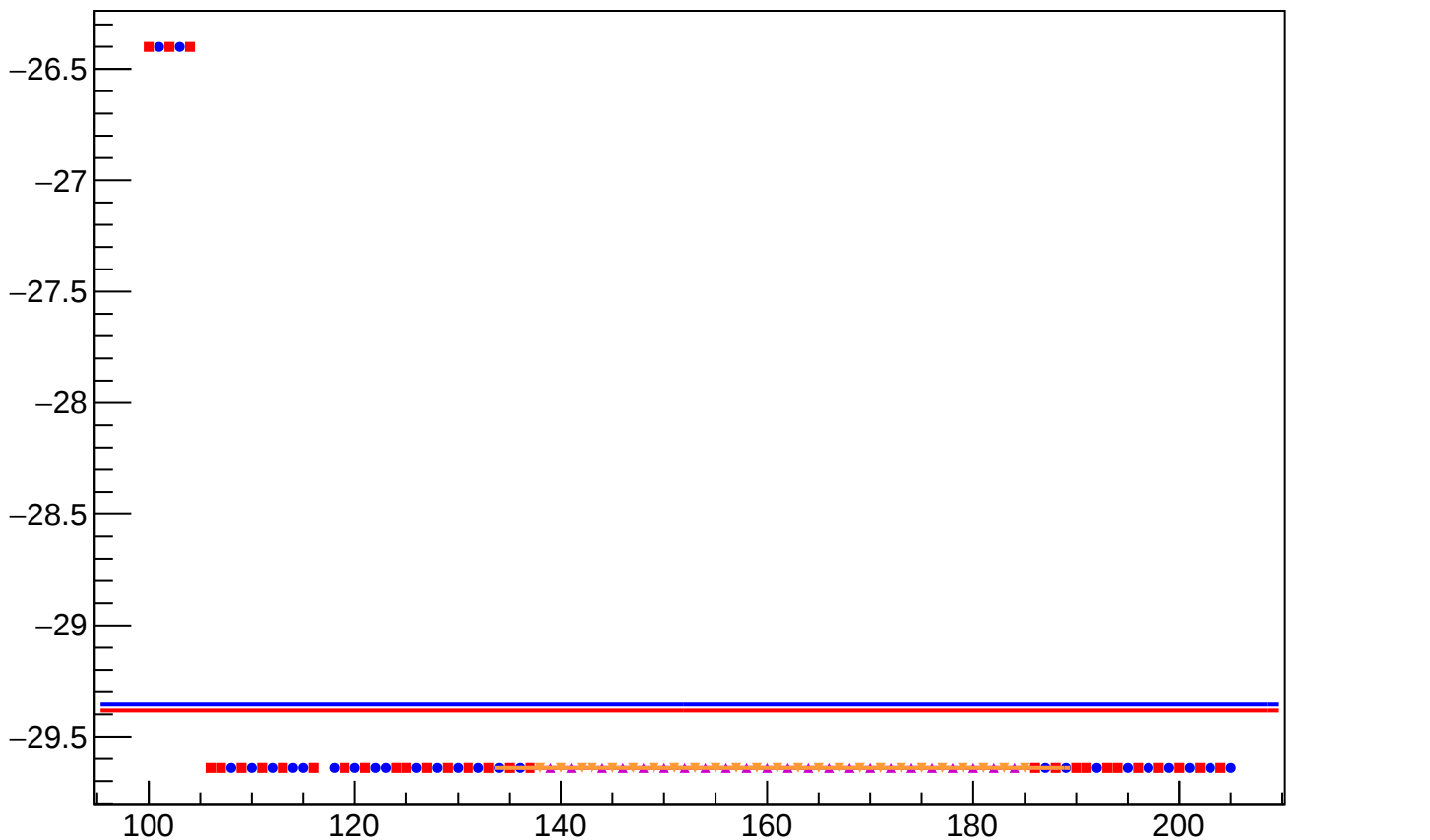
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 7134230.8/22

+ sign -16.848 $\pm$ 0.000 χ^2 /NDF: 250927342040061

All: -13.738 $\pm$ 0.000 χ^2 /NDF: 508054009749

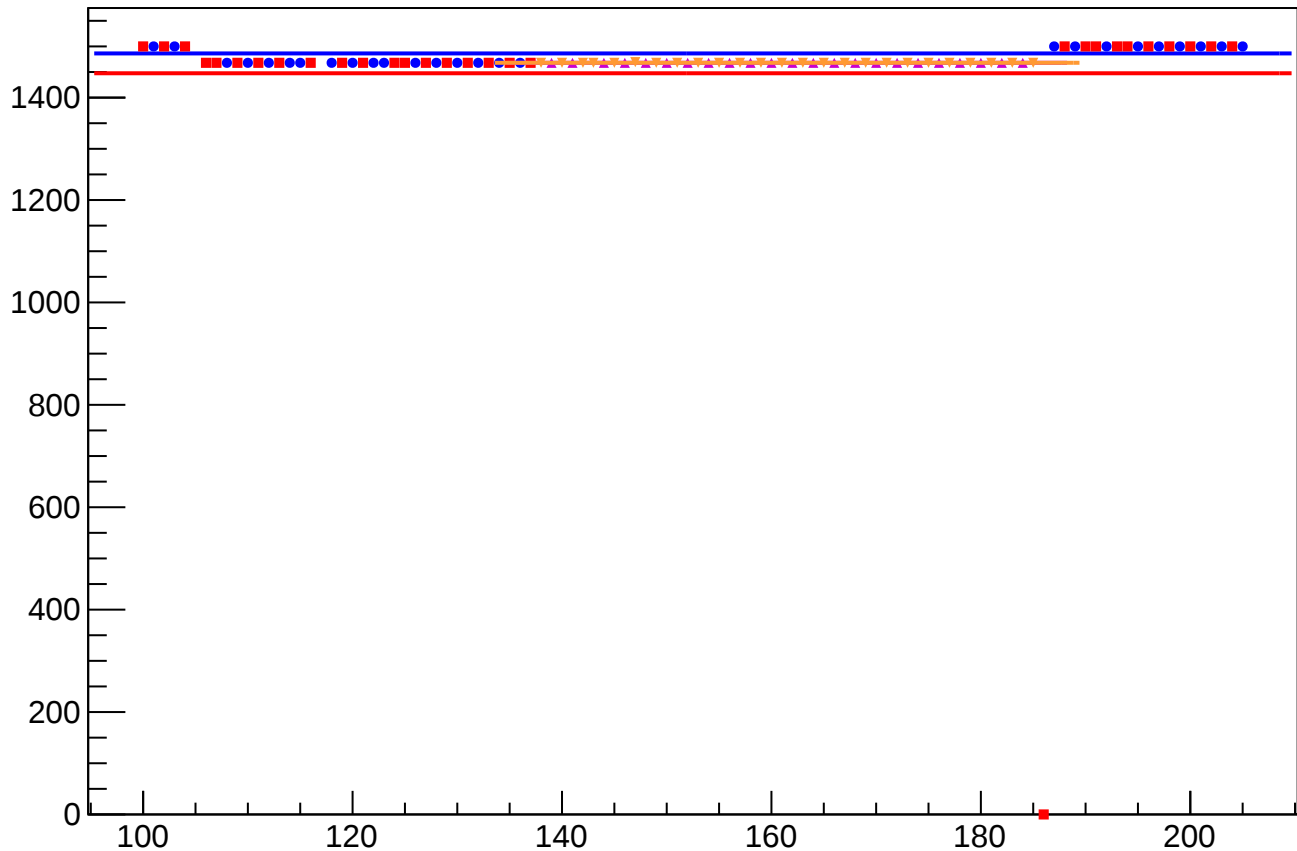
- sign -10.635 $\pm$ 0.000 χ^2 /NDF: 2564997647952556

epics_HWienAngles_mean vs Slug



Right In: -29.355 ± 0.000 χ^2/NDF : 1129635768358204766535623334952960.0/25
 Left Out: -29.641 ± 0.000 χ^2/NDF : 530354.3/24 + sign -29.523 ± 0.000 χ^2/NDF : 119367255272725
 Right Out: -29.383 ± 0.000 χ^2/NDF : 1120705318681308468467529792094208.0/29 All: -29.524 ± 0.000 χ^2/NDF : 236796578408
 Left In: -29.641 ± 0.000 χ^2/NDF : 382603.8/22 - sign -29.525 ± 0.000 χ^2/NDF : 1174285036162335

epics_psub_pl_poss_mean vs Slug



Right In: 1486.308+/-0.000 χ^2/NDF : 336299319445342993885458831157231616.0/25

Left Out: 1468.048+/-0.000 χ^2/NDF : 127949199501977668488138456039424.0/24

Right Out: 1447.569+/-0.000 χ^2/NDF : 82115665396300206073211861314958262272.0/29

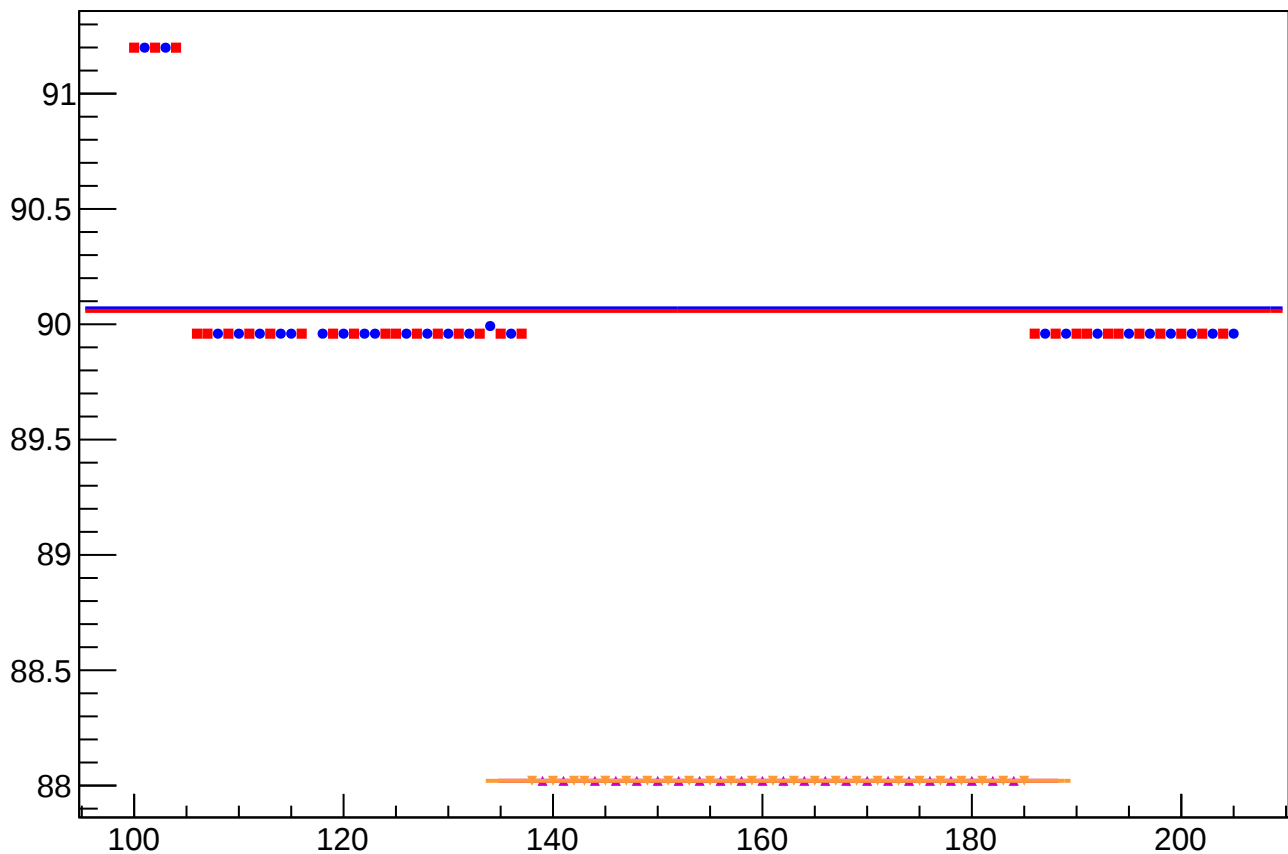
Left In: 1467.994+/-0.000 χ^2/NDF : 14449772795444989723550941184.0/22

+ sign 1475.588+/-0.000 χ^2/NDF : 59872209996570

All: 1467.210+/-0.000 χ^2/NDF : 83504955828

- sign 1458.849+/-0.000 χ^2/NDF : 82451117607144

epics_Phi_FGs_mean vs Slug



Right In: 90.069+/-0.000 χ^2/NDF : 165330539196903893509318836748288.0/25

Left Out: 88.021+/-0.000 χ^2/NDF : 5679798.5/24

Right Out: 90.058+/-0.000 χ^2/NDF : 164151472527513781167318565388288.0/29

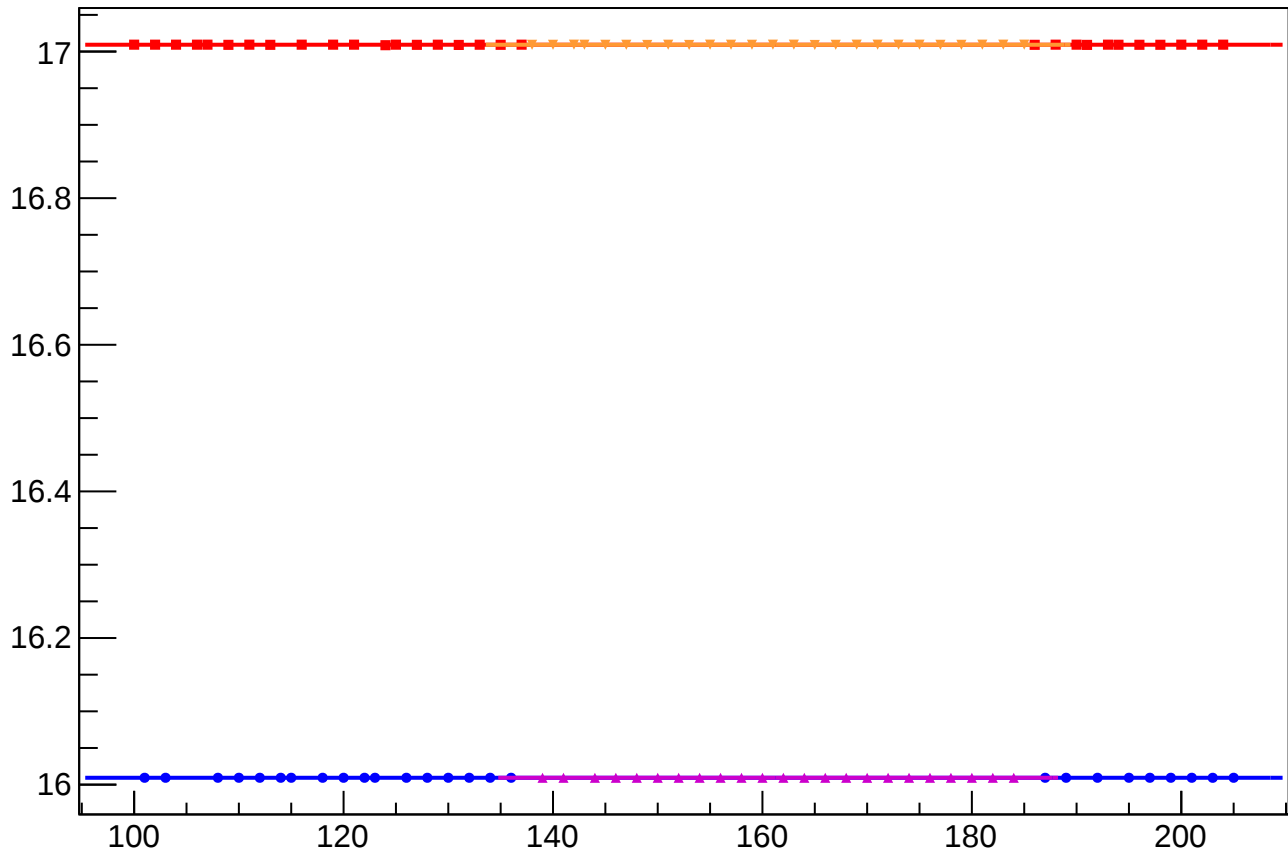
Left In: 88.021+/-0.000 χ^2/NDF : 6257169.0/22

+ sign 88.867+/-0.000 χ^2/NDF : 3465791726016975

All: 88.900+/-0.000 χ^2/NDF : 6974917896259

- sign 88.933+/-0.000 χ^2/NDF : 3501974923437255

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 113097197496727576248320.0/25

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

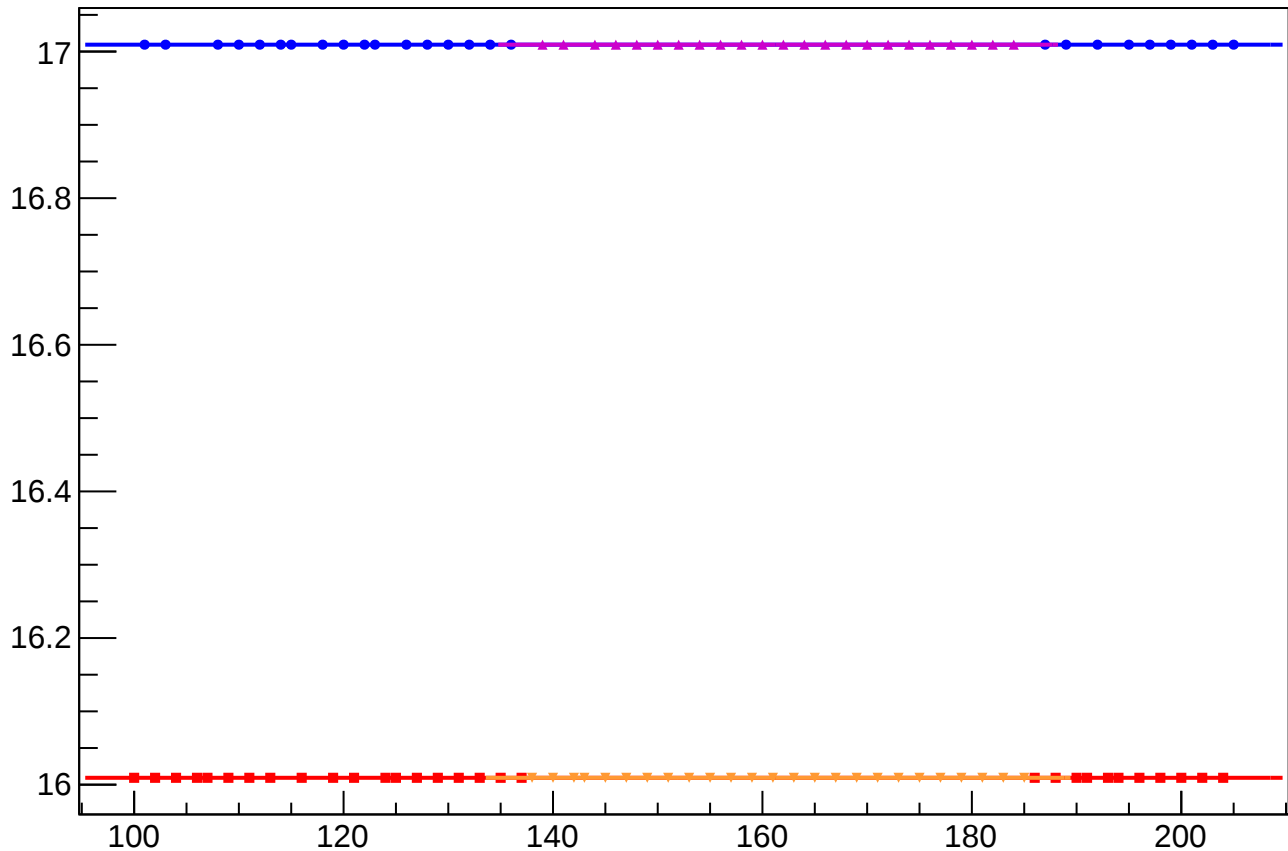
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127920993667935400624128.0/22

+ sign 16.584 $\pm$ 0.000 χ^2 /NDF: 7520027030600964

All: 16.524 $\pm$ 0.000 χ^2 /NDF: 1532096226328

- sign 16.464 $\pm$ 0.000 χ^2 /NDF: 7577660005001414

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 113097197540881870094336.0/25

Left Out: 16.009+/-0.000 χ^2/NDF : 61253.5/24

Right Out: 16.009+/-0.000 χ^2/NDF : 255957.0/29

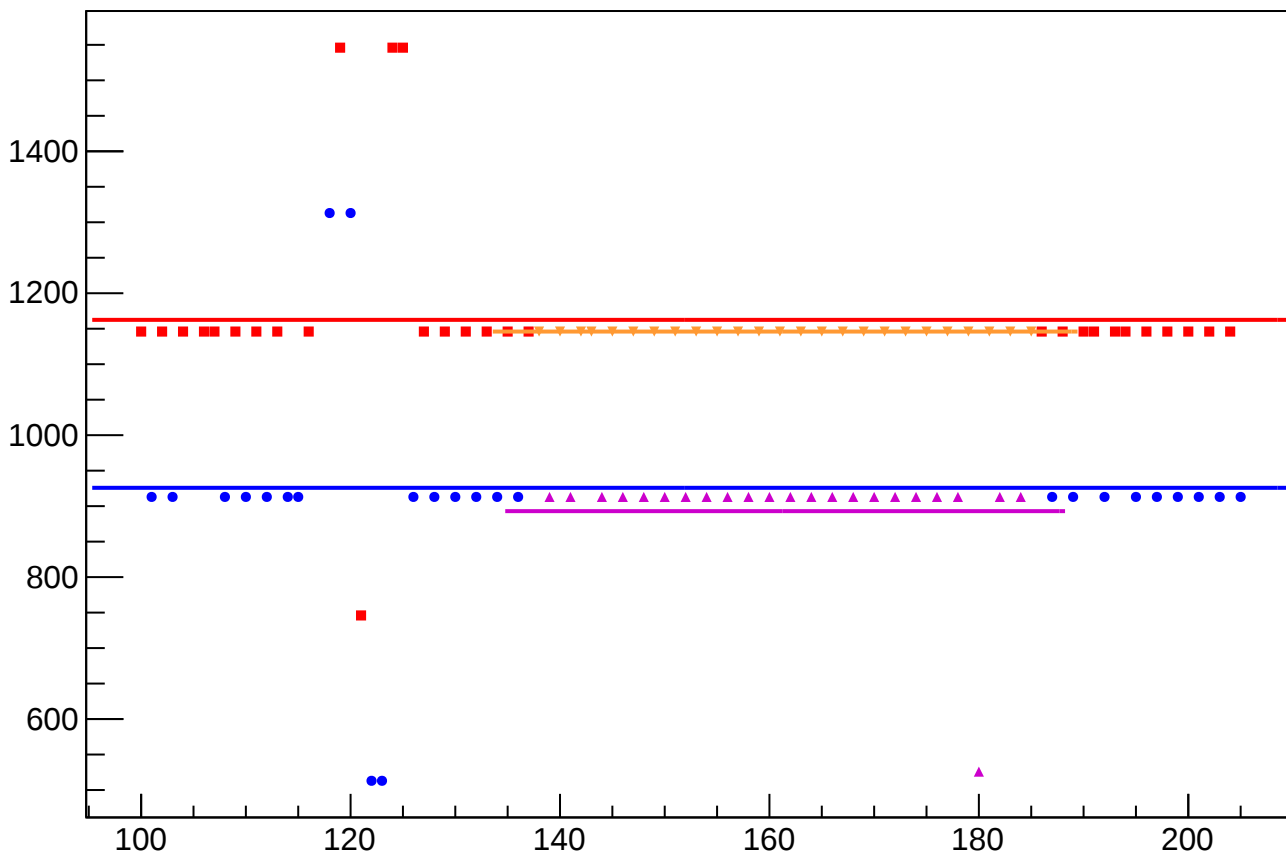
Left In: 17.009+/-0.000 χ^2/NDF : 114986101427233622065152.0/22

+ sign 16.420+/-0.000 χ^2/NDF : 7715071320553884

All: 16.488+/-0.000 χ^2/NDF : 1594369756847

- sign 16.557+/-0.000 χ^2/NDF : 7928718575393348

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 925.831+/-0.000 χ^2/NDF : 21060565471287802290978542788741693440.0/25

Left Out: 1146.011+/-0.000 χ^2/NDF : 8056834670270133849999540224.0/24

Right Out: 1162.494+/-0.000 χ^2/NDF : 21685108835366846090855465845996388352.0/29

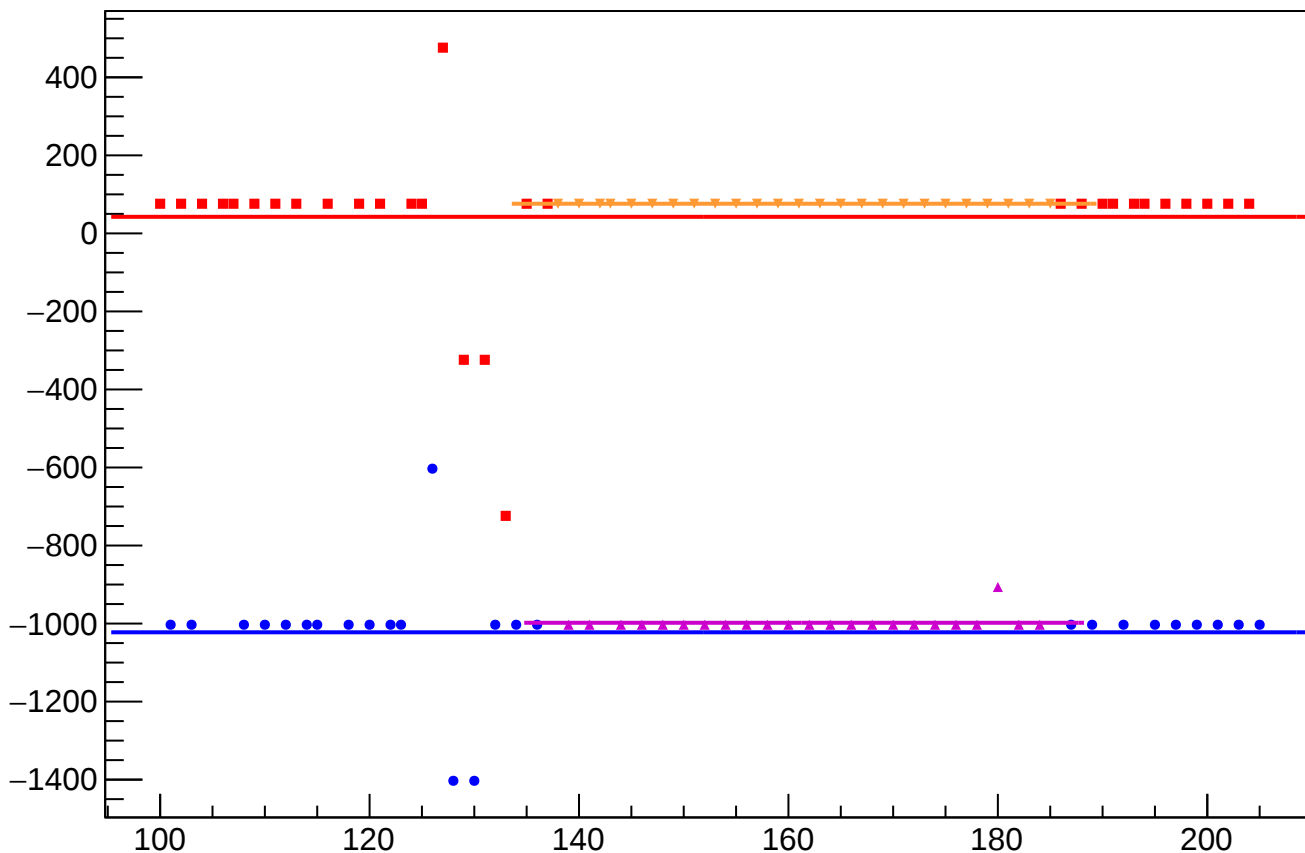
Left In: 892.950+/-0.000 χ^2/NDF : 13213852485930520518972295012897783808.0/22

All: 1034.338+/-0.000 χ^2/NDF : 15530942309

+ sign 1055.089+/-0.000 χ^2/NDF : 59197151892207

- sign 1013.631+/-0.000 χ^2/NDF : 93320602089619

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1022.392+/-0.000 χ^2/NDF : 22695175229449044375762769599774326784.0/25

Left Out: 76.011+/-0.000 χ^2/NDF : 11479003589933272170007363584.0/24

Right Out: 42.494+/-0.000 χ^2/NDF : 45404140078183315085395812919057317888.0/29

Left In: -997.979+/-0.000 χ^2/NDF : 825858066518991041870194619245920256.0/22

+ sign -377.567+/-0.000 χ^2/NDF : 97178822425264

All: -454.934+/-0.000 χ^2/NDF : 19273424477

- sign -532.134+/-0.000 χ^2/NDF : 916749582255307