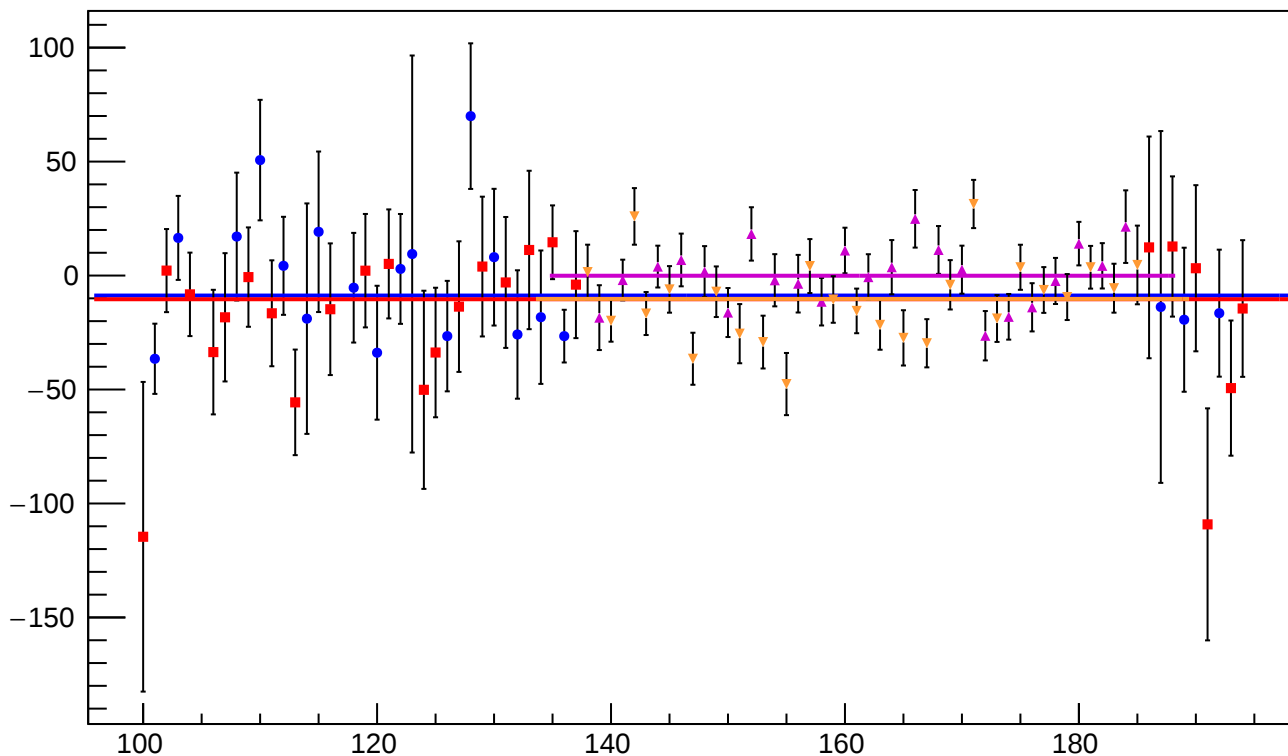


diff_bpm4aX_mean vs Slug



Right In: -8.774 ± 5.413

χ^2/NDF : 23.1/19

Left Out: -10.238 ± 2.170

χ^2/NDF : 58.1/24

Right Out: -10.395 ± 5.286

χ^2/NDF : 19.5/24

Left In: -0.080 ± 2.251

χ^2/NDF : 29.9/22

+ sign -10.035 ± 2.014

χ^2/NDF : 81.2/44

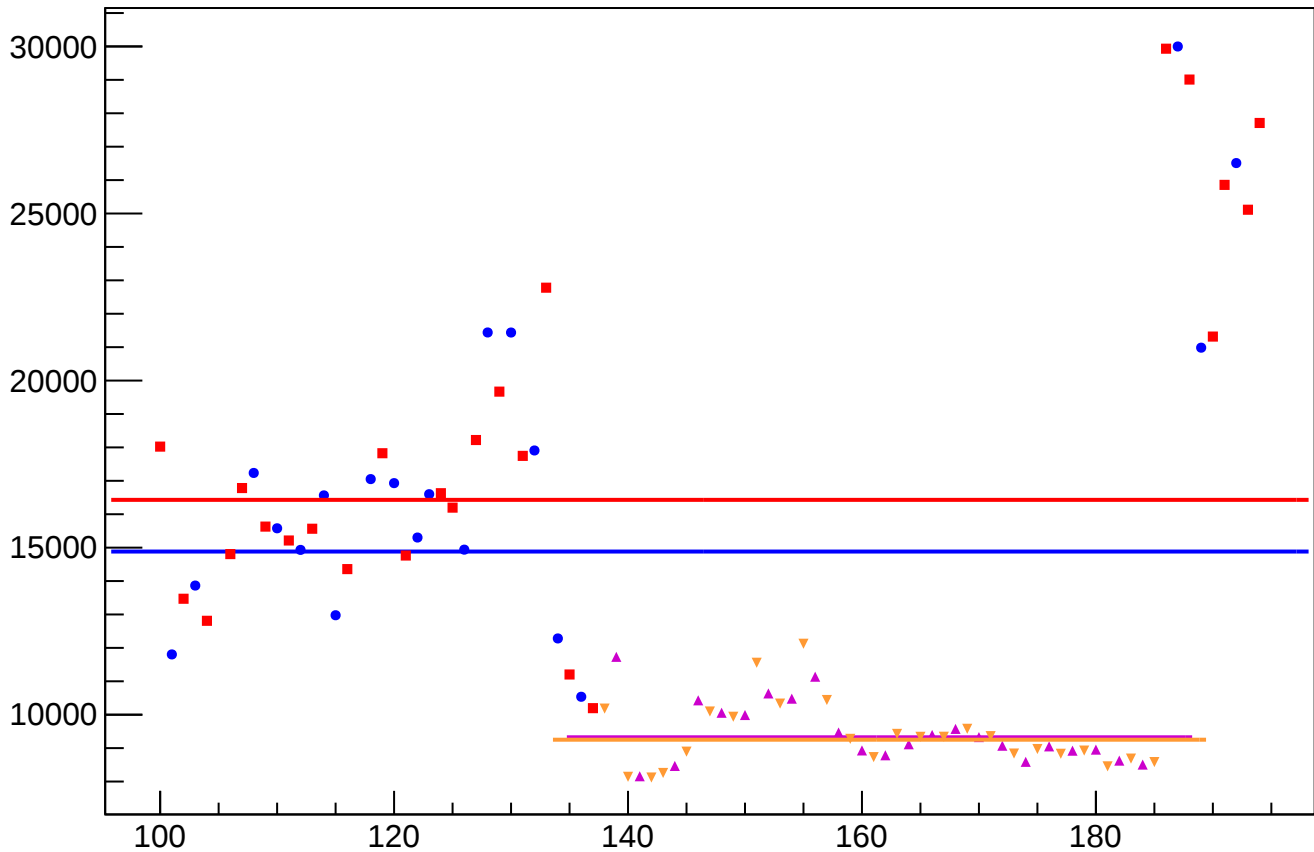
All: -5.965 ± 1.444

χ^2/NDF : 142.3/92

- sign -1.663 ± 2.071

χ^2/NDF : 52.6/47

diff_bpm4aX_rms vs Slug



Right In: 14883.228+/-3.828 χ^2/NDF : 1137948.4/19

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

+ sign 10031.595+/-1.424 χ^2/NDF : 3334967.6/44

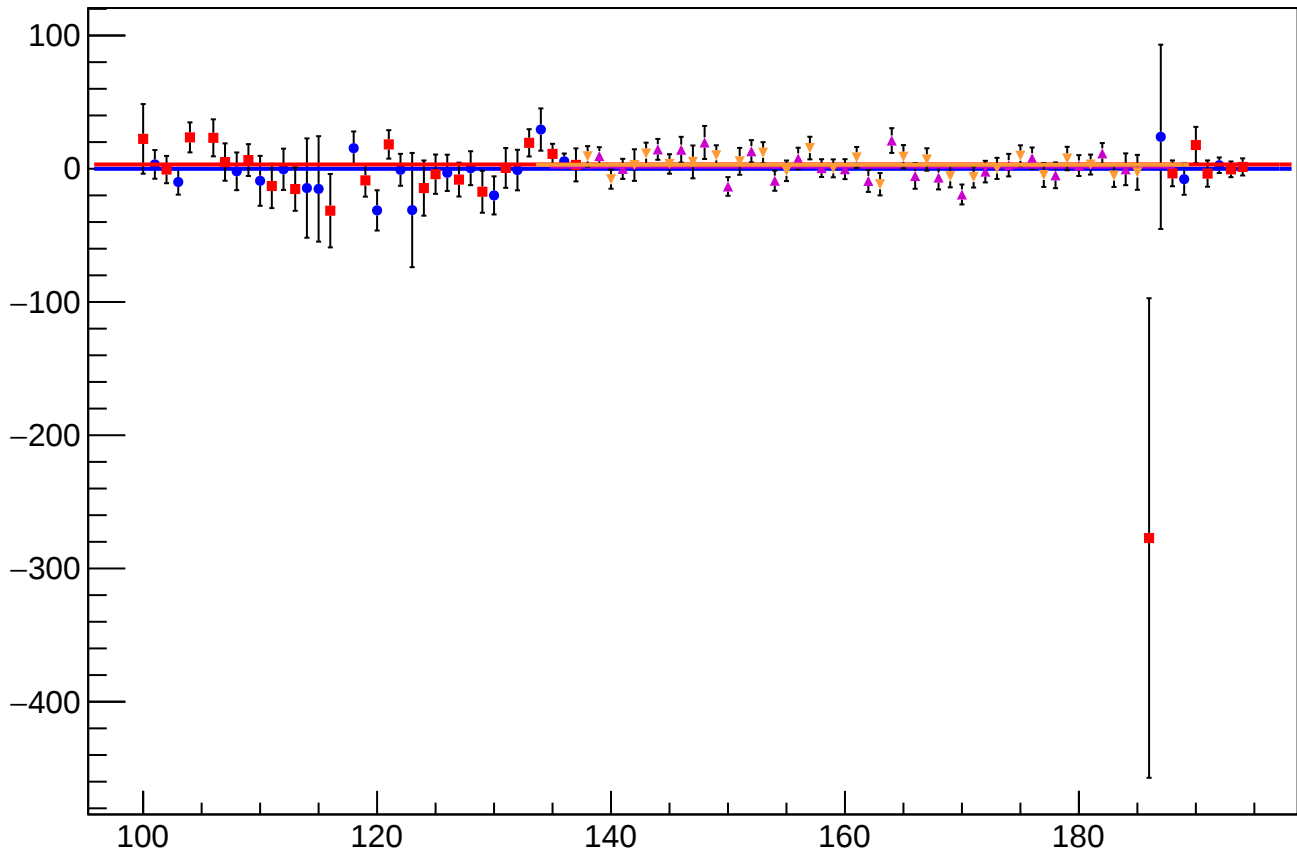
Right Out: 16429.981+/-3.738 χ^2/NDF : 1675266.9/24

All: 10217.673+/-1.021 χ^2/NDF : 8380437.4/9

- sign 10414.300+/-1.464 χ^2/NDF : 5010369.9/47

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

diff_bpm4aY_mean vs Slug



Right In: -0.050 ± 2.648 $\chi^2/\text{NDF}: 15.2/19$

Left Out: 3.027 ± 1.661 $\chi^2/\text{NDF}: 18.6/24$

Right Out: 3.215 ± 2.264 $\chi^2/\text{NDF}: 25.0/24$

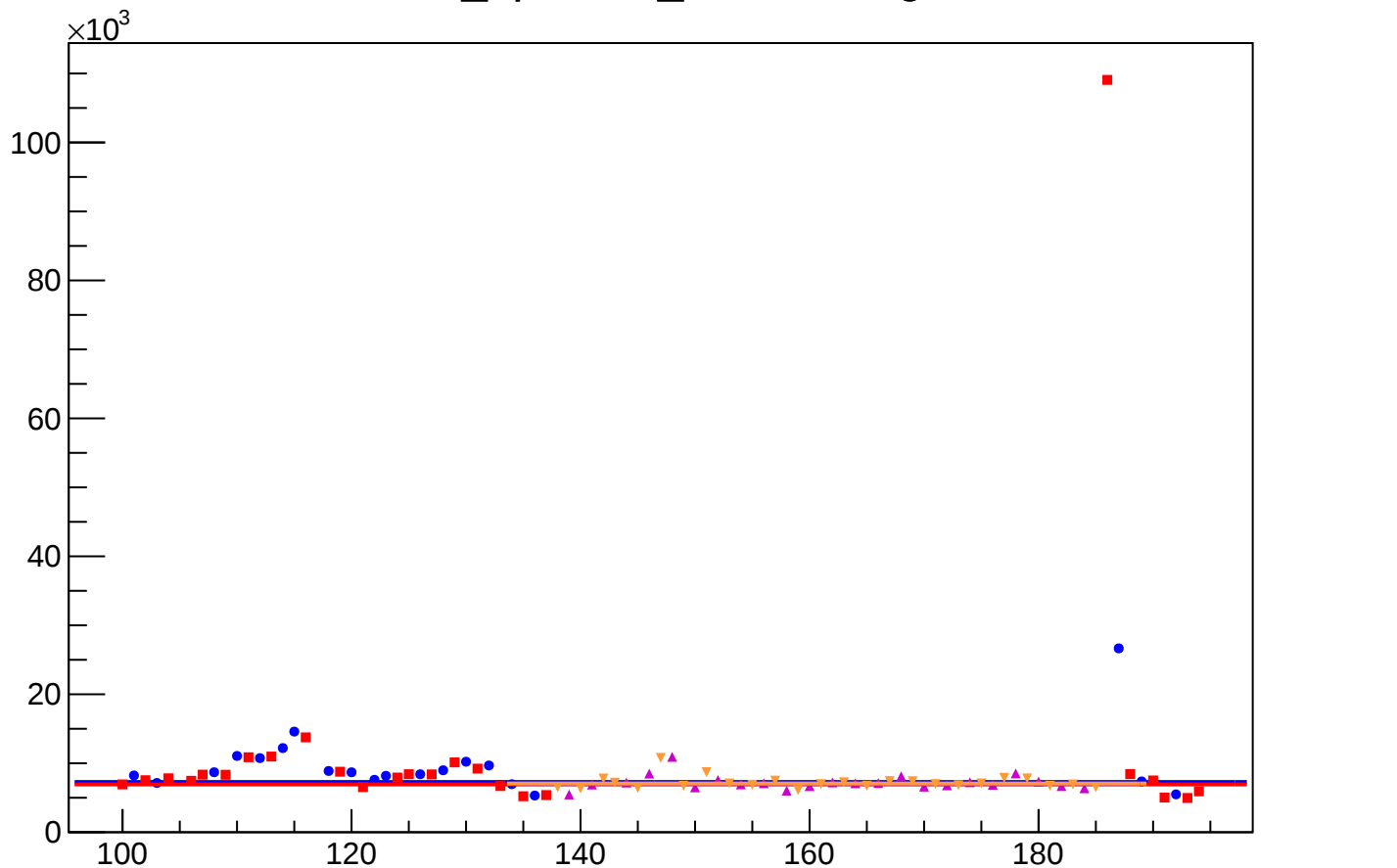
Left In: 1.588 ± 1.703 $\chi^2/\text{NDF}: 35.5/22$

+ sign 2.159 ± 1.407 $\chi^2/\text{NDF}: 34.8/44$

All: 2.168 ± 0.978 $\chi^2/\text{NDF}: 95.6/92$

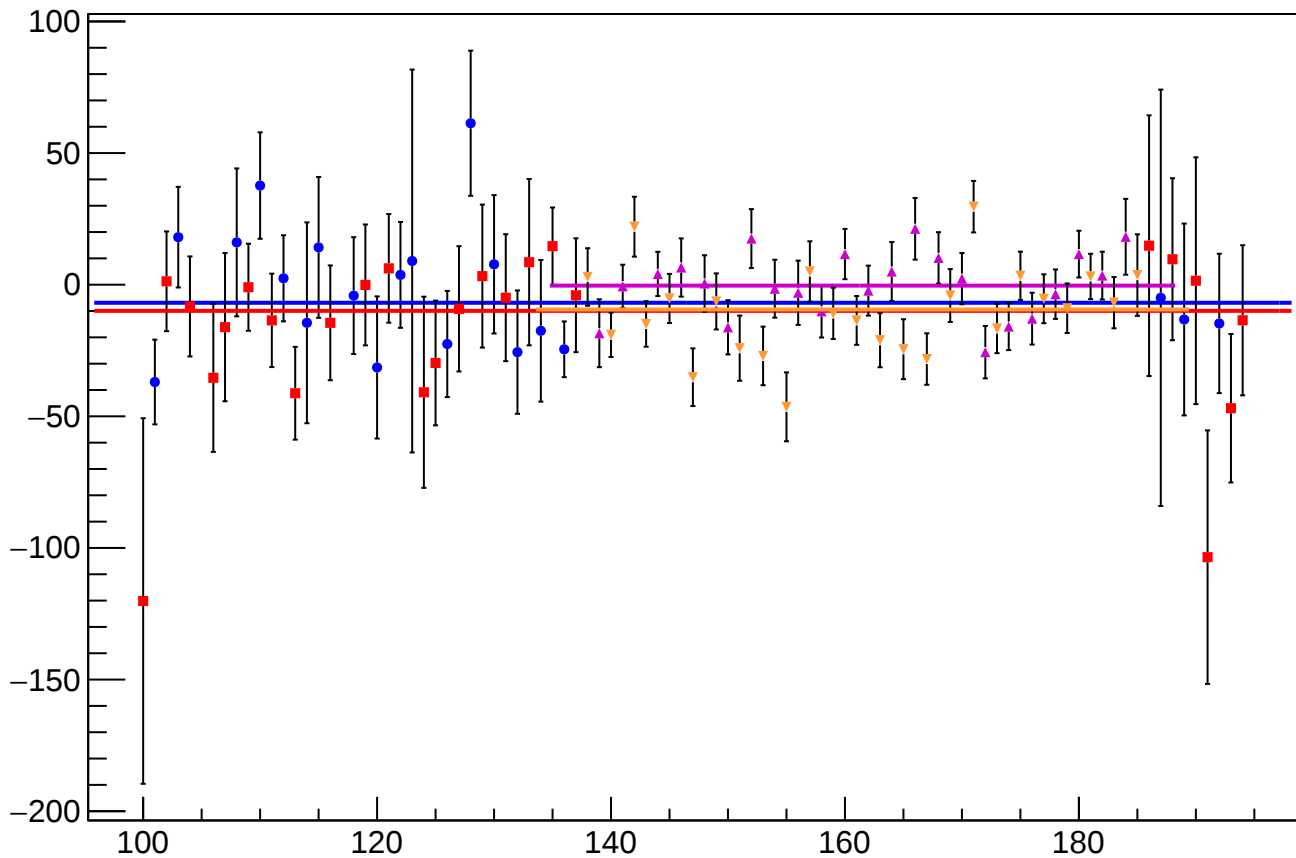
- sign 2.176 ± 1.361 $\chi^2/\text{NDF}: 60.8/47$

diff_bpm4aY_rms vs Slug



Right In: 7282.530 $\pm$ 1.872	χ^2/NDF : 1131488.5/19	+ sign 7126.010 $\pm$ 0.995	χ^2/NDF : 1528039.0/44
Left Out: 7064.457 $\pm$ 1.174	χ^2/NDF : 386814.9/24	All: 7053.116 $\pm$ 0.692	χ^2/NDF : 3897706.2/92
Right Out: 6932.453 $\pm$ 1.601	χ^2/NDF : 1832279.8/24	- sign 6984.912 $\pm$ 0.962	χ^2/NDF : 2359273.9/47
Left In: 7014.572 $\pm$ 1.204	χ^2/NDF : 525313.7/22		

diff_bpm4eX_mean vs Slug



Right In: -6.860 ± 4.886 χ^2/NDF : 23.6/19

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

Right Out: -9.933 ± 4.730 χ^2/NDF : 19.2/24

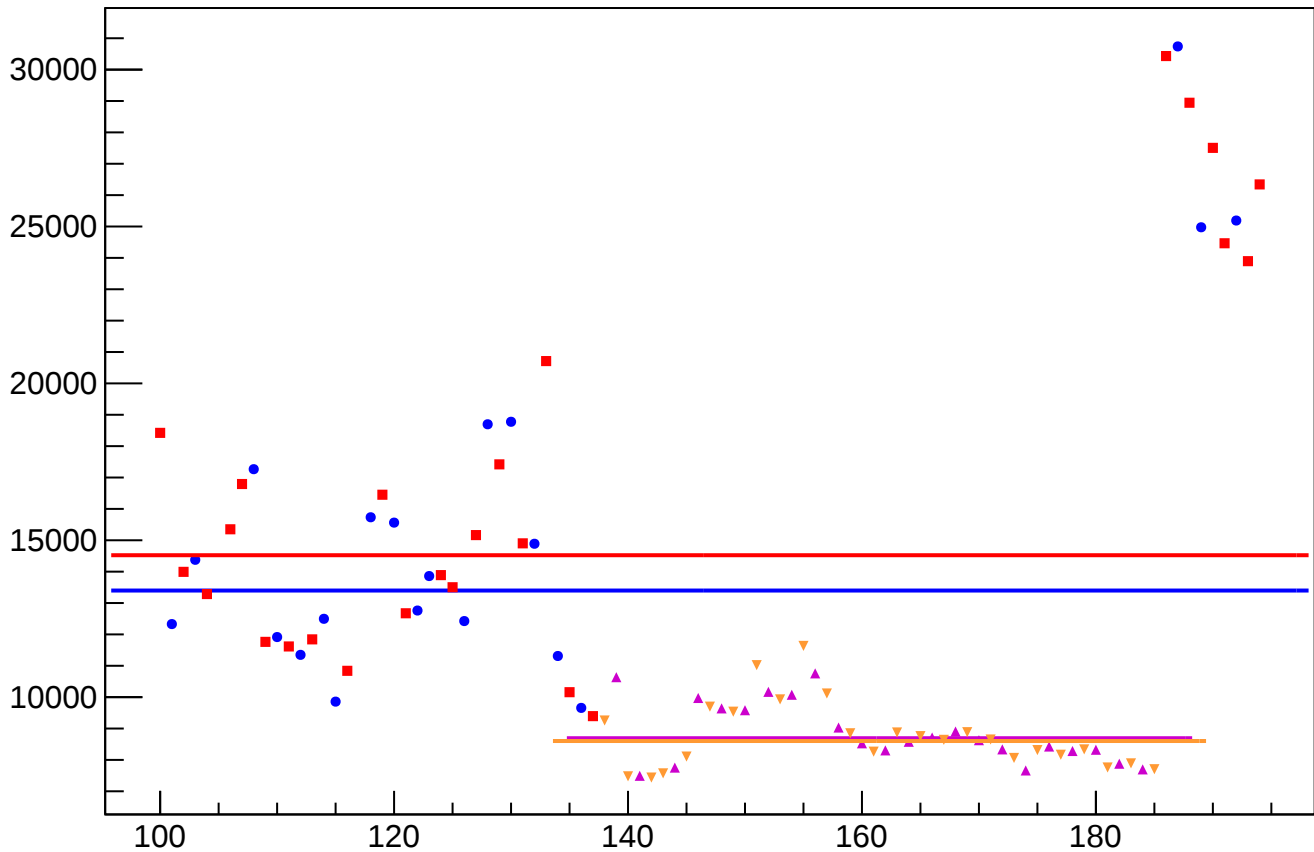
Left In: -0.344 ± 2.100 χ^2/NDF : 29.9/22

+ sign -9.038 ± 1.868 χ^2/NDF : 82.6/44

All: -5.579 ± 1.339 χ^2/NDF : 142.2/92

- sign -1.923 ± 1.920 χ^2/NDF : 52.6/47

diff_bpm4eX_rms vs Slug



Right In: 13397.976+/-3.455 χ^2/NDF : 1294157.6/19

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

Right Out: 14523.647+/-3.345 χ^2/NDF : 2118270.7/24

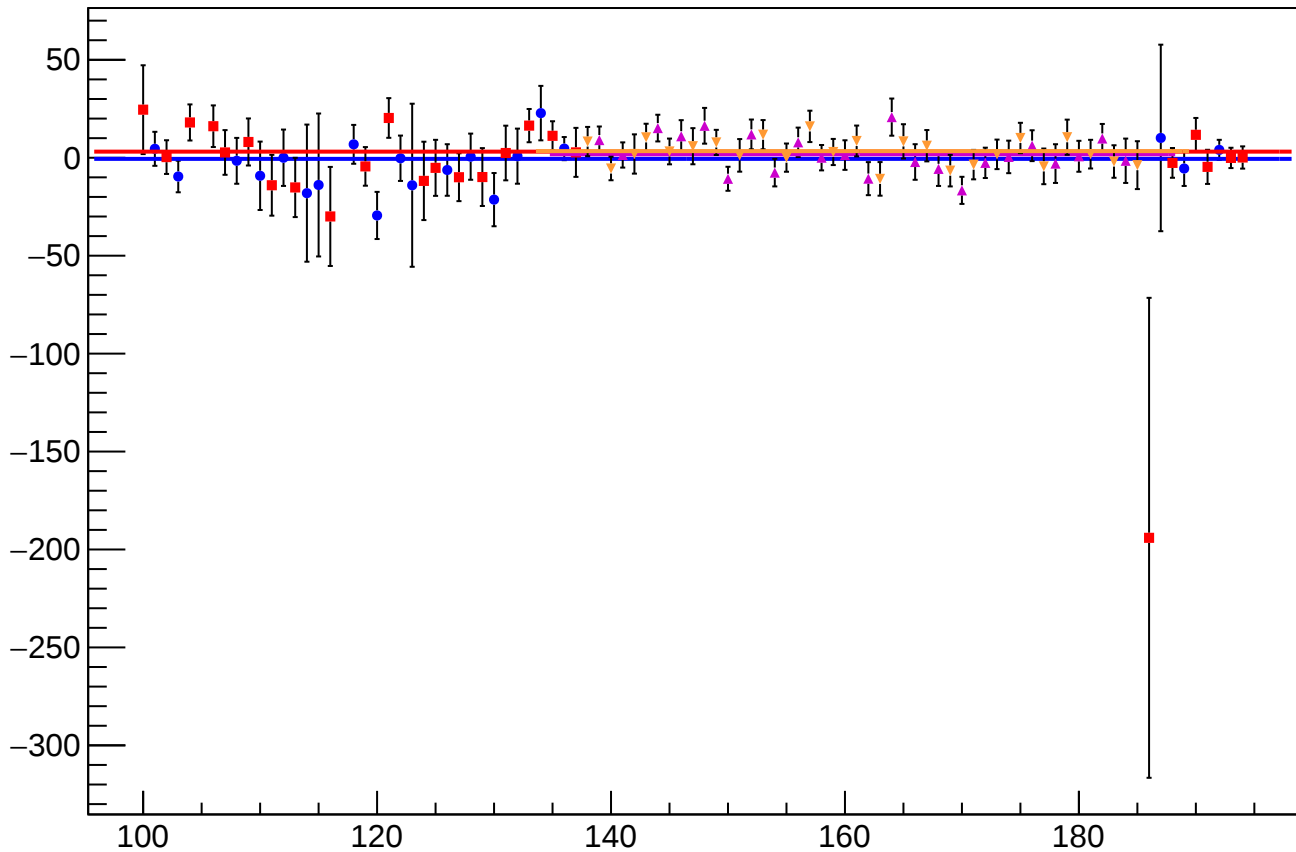
Left In: 8691.203+/-1.485 χ^2/NDF : 365254.6/22

+ sign 9302.844+/-1.321 χ^2/NDF : 3378250.2/44

All: 9472.594+/-0.947 χ^2/NDF : 8435861.1/92

- sign 9651.961+/-1.357 χ^2/NDF : 5023627.1/47

diff_bpm4eY_mean vs Slug



Right In: -0.570 ± 2.365 χ^2/NDF : 16.0/19

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

Right Out: 3.127 ± 1.979 χ^2/NDF : 25.2/24

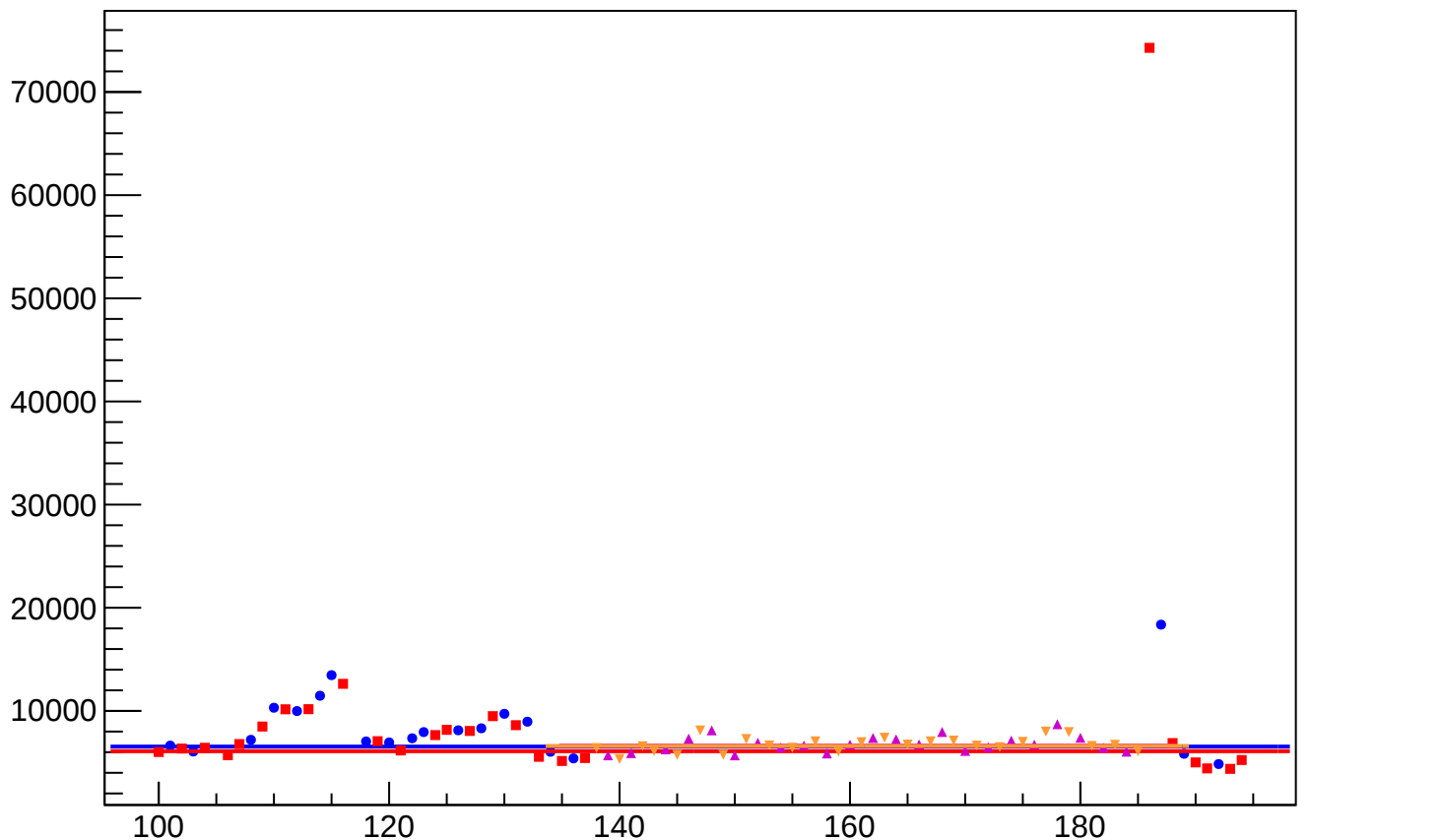
Left In: 1.756 ± 1.607 χ^2/NDF : 33.5/22

+ sign 2.187 ± 1.297 χ^2/NDF : 35.1/44

All: 2.246 ± 0.899 χ^2/NDF : 94.1/92

- sign 2.301 ± 1.248 χ^2/NDF : 59.0/47

diff_bpm4eY_rms vs Slug



Right In: 6542.518 $\pm$ 1.672 χ^2 /NDF: 1024144.4/19

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

Right Out: 6093.894 $\pm$ 1.400 χ^2 /NDF: 1860877.5/24

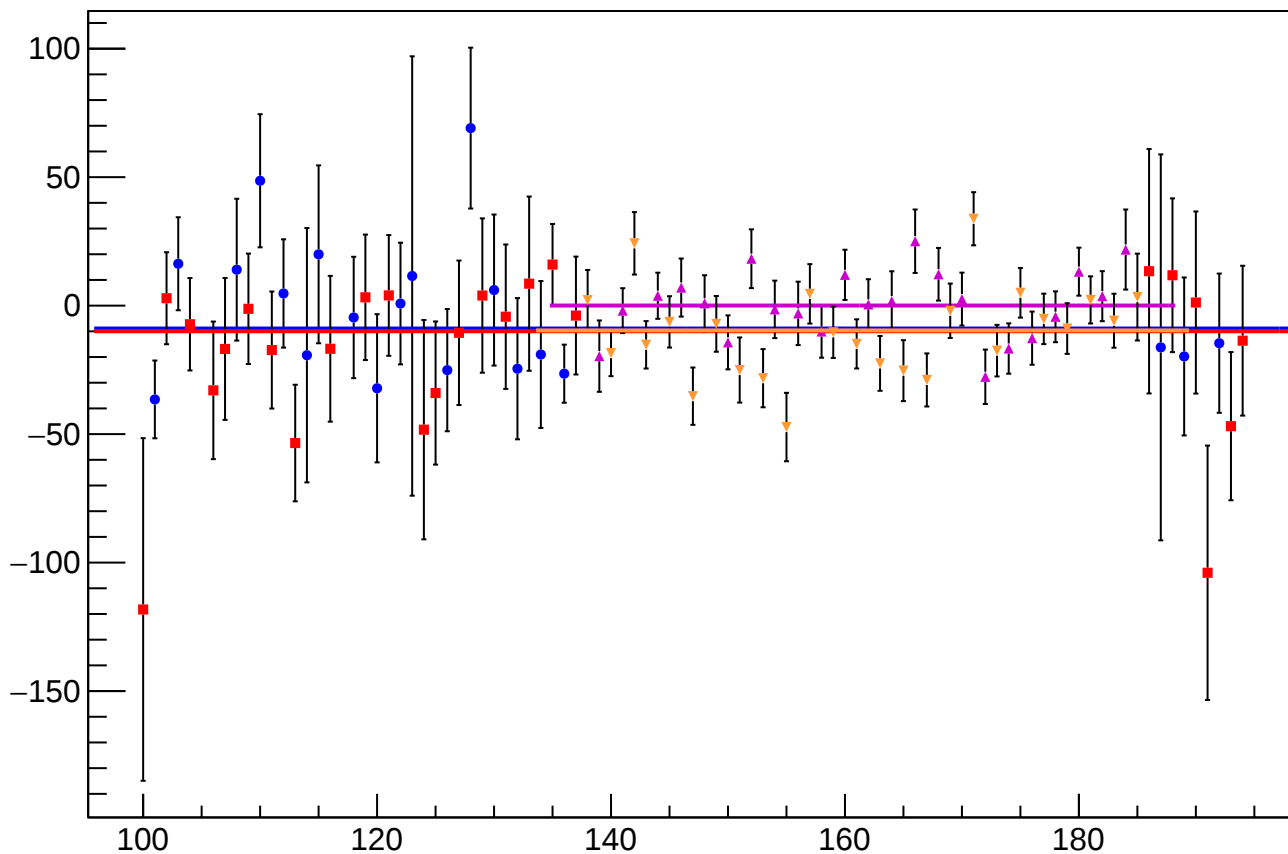
Left In: 6637.155 $\pm$ 1.136 χ^2 /NDF: 415547.5/22

+ sign 6585.459 $\pm$ 0.917 χ^2 /NDF: 1420335.7/44

All: 6500.196 $\pm$ 0.636 χ^2 /NDF: 3804186.1/92

- sign 6421.345 $\pm$ 0.882 χ^2 /NDF: 2367223.6/47

diff_bpm4acX_mean vs Slug



Right In: -8.915 ± 5.303 χ^2/NDF : 22.9/19

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

Right Out: -9.968 ± 5.177 χ^2/NDF : 19.6/24

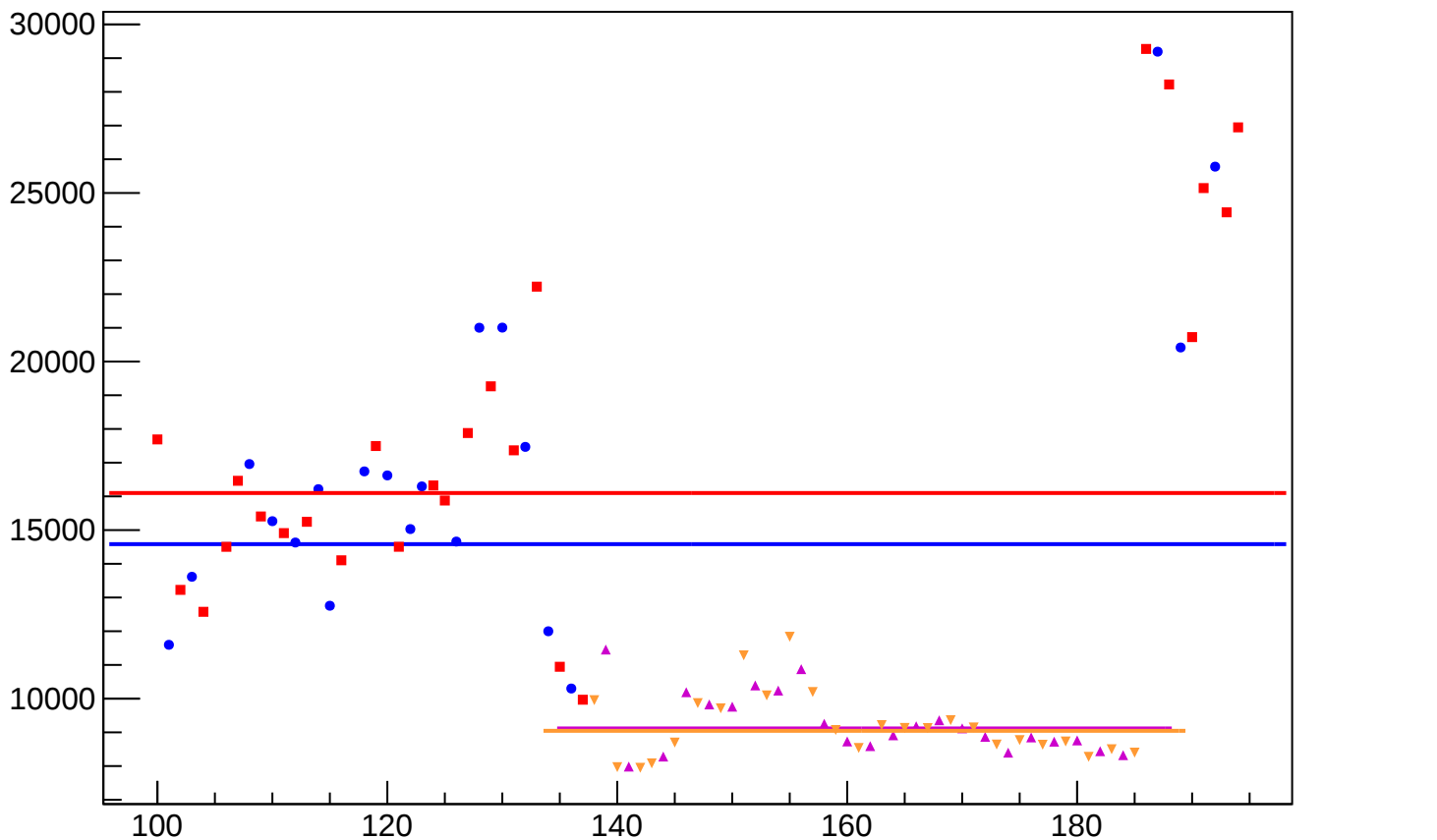
Left In: 0.042 ± 2.200 χ^2/NDF : 30.8/22

+ sign -9.540 ± 1.970 χ^2/NDF : 82.9/44

All: -5.625 ± 1.412 χ^2/NDF : 144.5/92

- sign -1.489 ± 2.025 χ^2/NDF : 53.6/47

diff_bpm4acX_rms vs Slug



Right In: 14583.193+/-3.750 χ^2/NDF : 1130611.8/19

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

Right Out: 16099.939+/-3.661 χ^2/NDF : 1653892.8/24

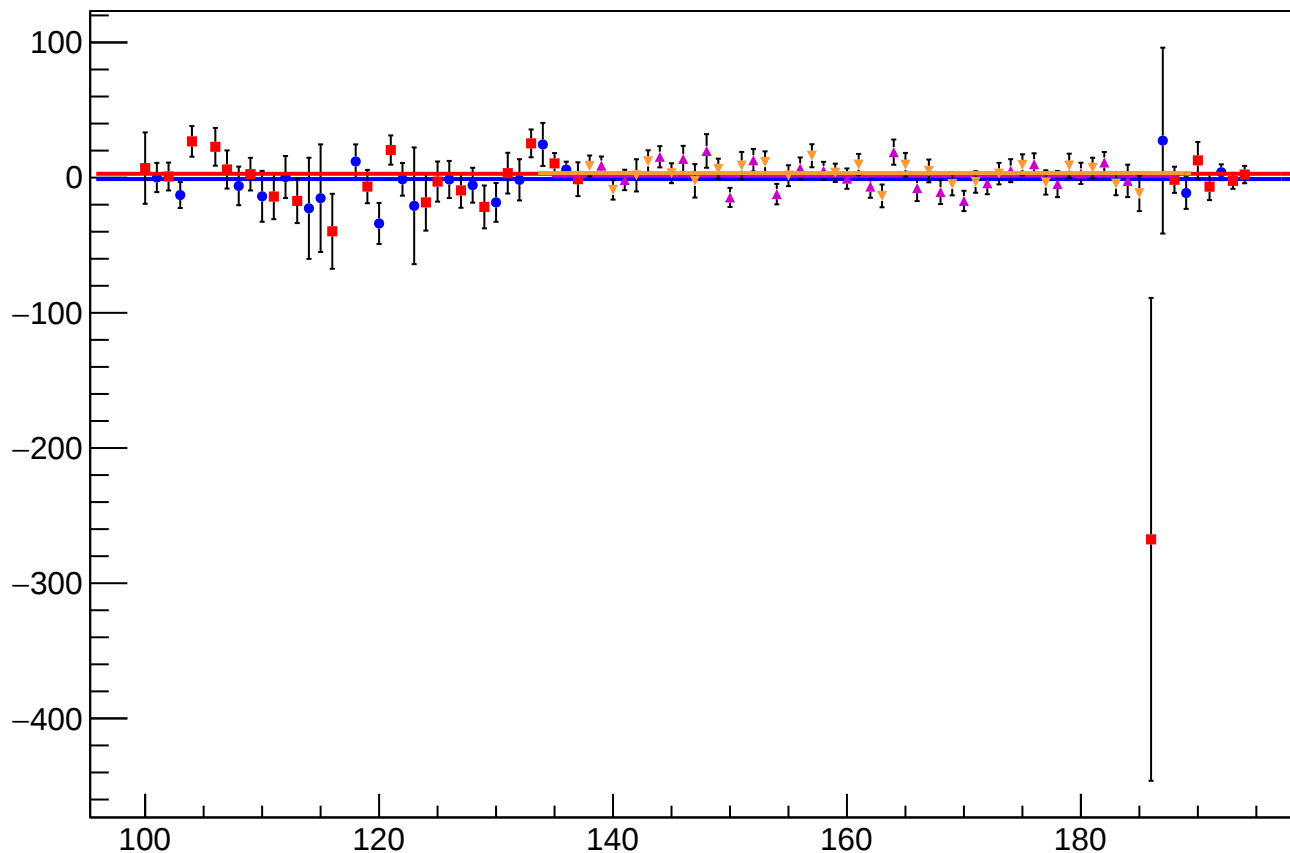
Left In: 9115.817+/-1.556 χ^2/NDF : 272471.8/22

+ sign 9809.998+/-1.393 χ^2/NDF : 3338919.0/44

All: 9991.935+/-0.998 χ^2/NDF : 8383235.9/92

- sign 10184.169+/-1.432 χ^2/NDF : 5009231.2/47

diff_bpm4acY_mean vs Slug



Right In: -1.060 ± 2.663 $\chi^2/\text{NDF}: 15.8/19$

Left Out: 3.387 ± 1.668 $\chi^2/\text{NDF}: 19.4/24$

Right Out: 2.845 ± 2.277 $\chi^2/\text{NDF}: 29.9/24$

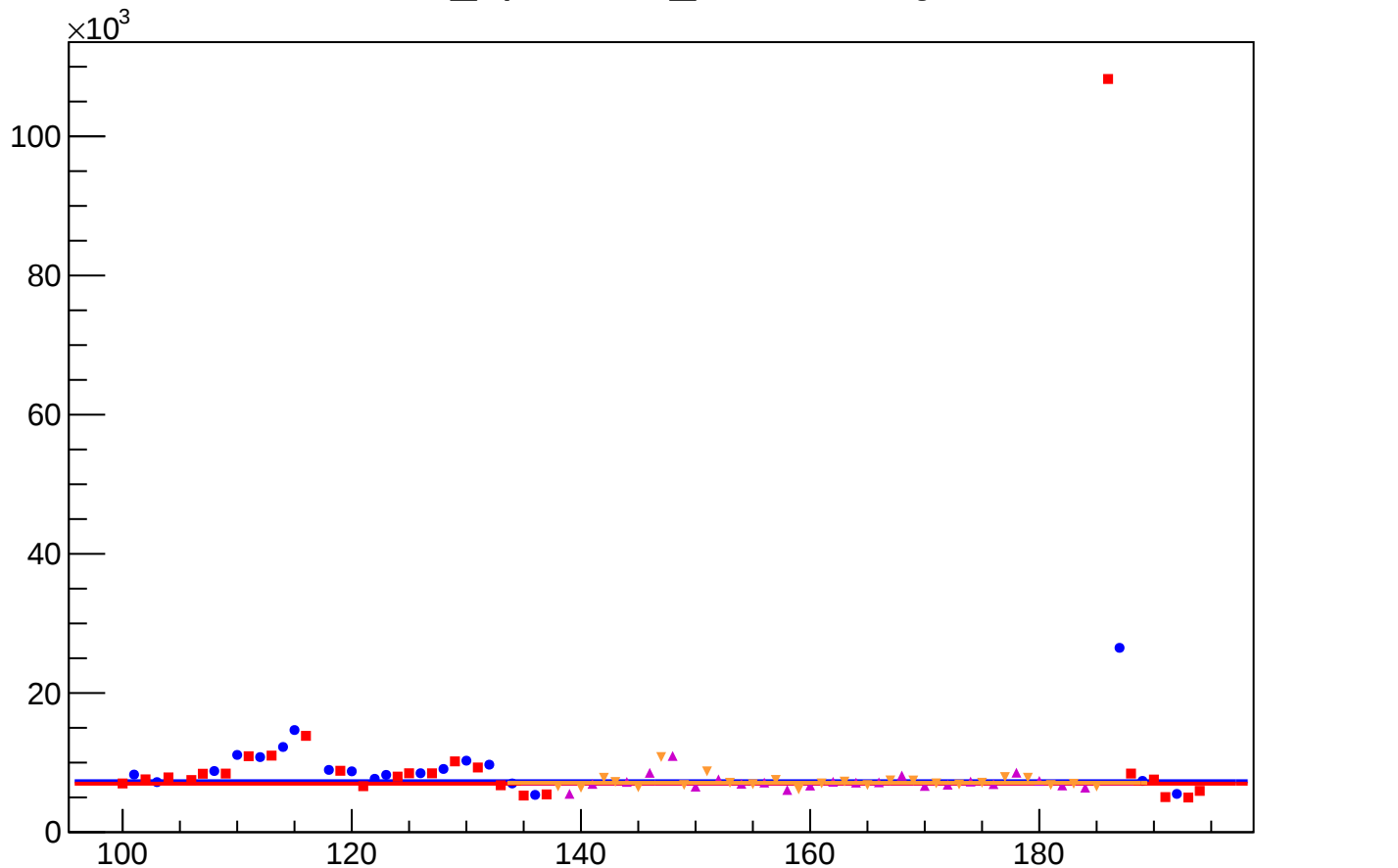
Left In: 1.479 ± 1.710 $\chi^2/\text{NDF}: 36.7/22$

+ sign 2.134 ± 1.414 $\chi^2/\text{NDF}: 37.2/44$

All: 2.051 ± 0.983 $\chi^2/\text{NDF}: 104.0/92$

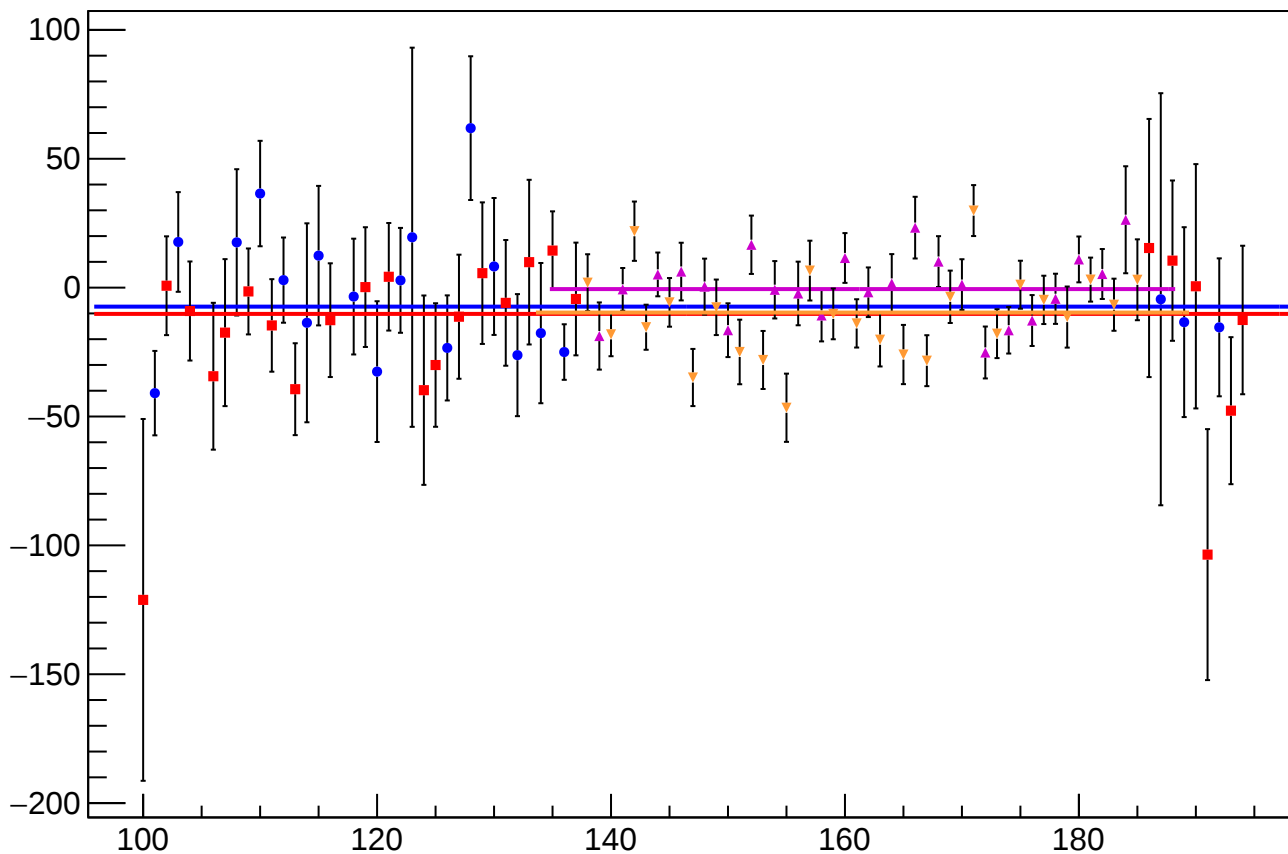
- sign 1.972 ± 1.367 $\chi^2/\text{NDF}: 66.8/47$

diff_bpm4acY_rms vs Slug



Right In: 7325.406 $\pm$ 1.883	χ^2/NDF : 1133761.1/19	+ sign 7160.867 $\pm$ 1.000	χ^2/NDF : 1526328.2/44
Left Out: 7096.350 $\pm$ 1.179	χ^2/NDF : 381942.1/24	All: 7088.144 $\pm$ 0.695	χ^2/NDF : 3889625.8/92
Right Out: 6971.926 $\pm$ 1.610	χ^2/NDF : 1834217.1/24	- sign 7020.092 $\pm$ 0.967	χ^2/NDF : 2353050.7/47
Left In: 7047.269 $\pm$ 1.209	χ^2/NDF : 517433.5/22		

diff_bpm4ecX_mean vs Slug



Right In: -7.370 ± 4.951 $\chi^2/\text{NDF}: 24.2/19$

Left Out: -9.670 ± 2.061 $\chi^2/\text{NDF}: 57.9/24$

Right Out: -10.192 ± 4.796 $\chi^2/\text{NDF}: 18.3/24$

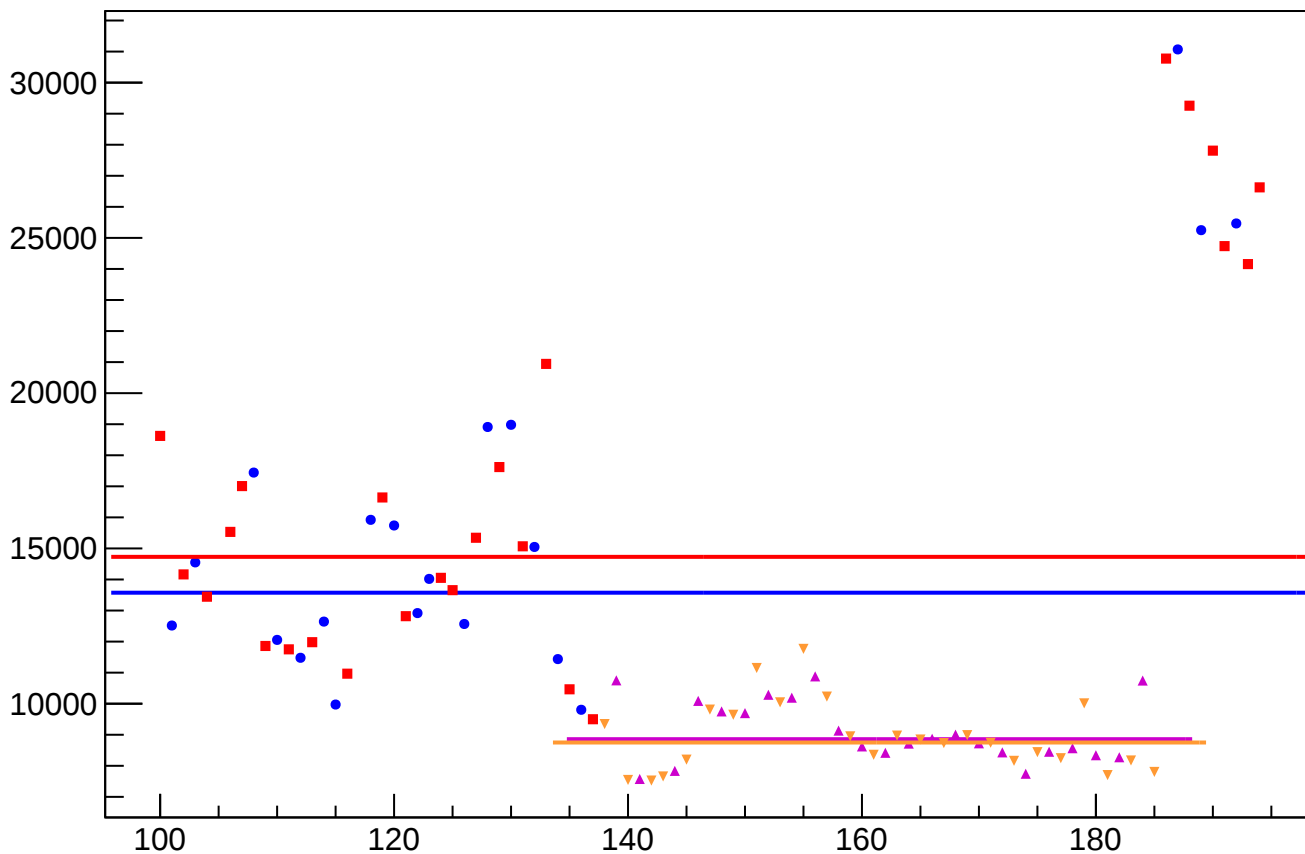
Left In: -0.564 ± 2.144 $\chi^2/\text{NDF}: 29.7/22$

+ sign -9.331 ± 1.902 $\chi^2/\text{NDF}: 82.3/44$

All: -5.850 ± 1.364 $\chi^2/\text{NDF}: 140.5/92$

- sign -2.167 ± 1.957 $\chi^2/\text{NDF}: 51.4/47$

diff_bpm4ecX_rms vs Slug



Right In: 13574.443+/-3.501 χ^2/NDF : 1284328.1/19

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

Right Out: 14729.030+/-3.391 χ^2/NDF : 2095312.5/24

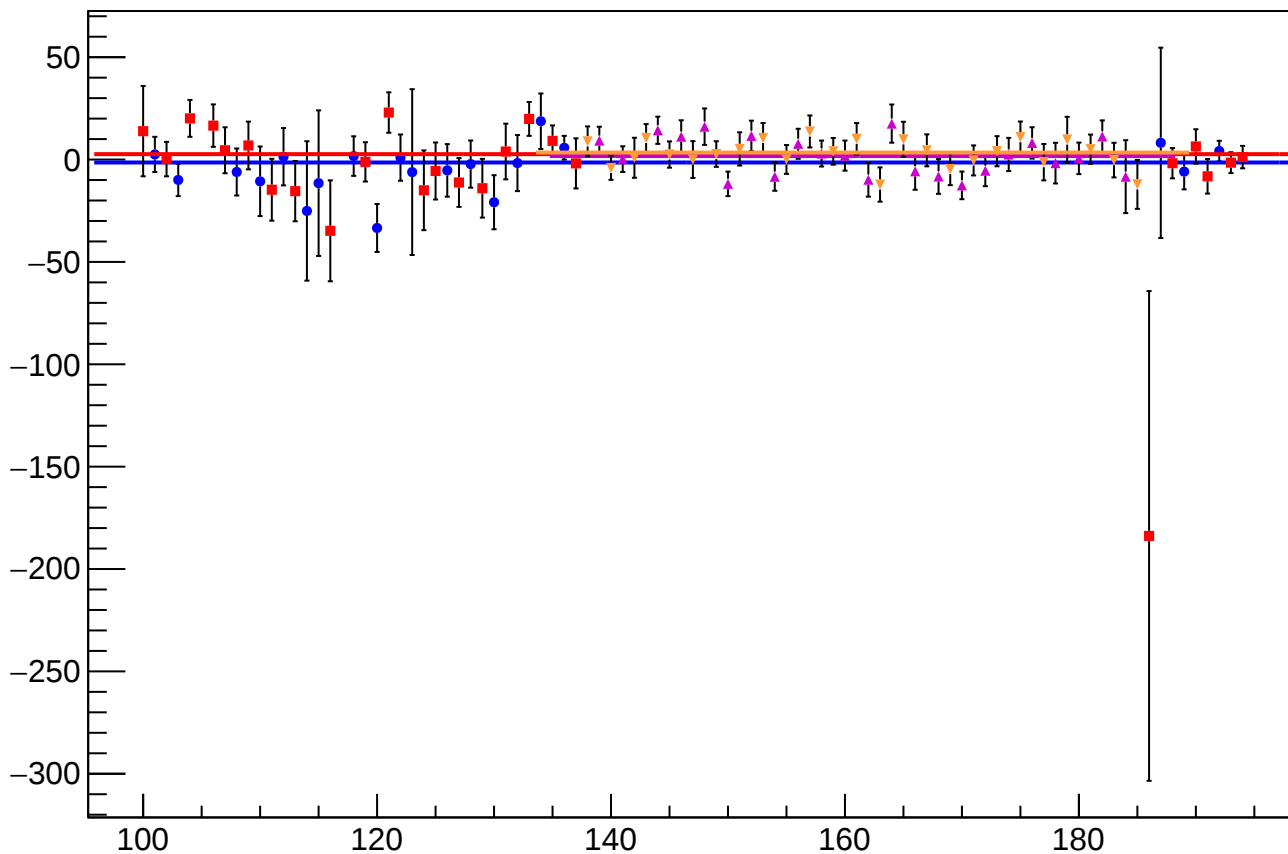
Left In: 8857.329+/-1.516 χ^2/NDF : 361778.8/22

+ sign 9462.706+/-1.345 χ^2/NDF : 3366638.9/44

All: 9643.688+/-0.965 χ^2/NDF : 8359975.0/92

- sign 9835.211+/-1.384 χ^2/NDF : 4956081.4/47

diff_bpm4ecY_mean vs Slug



Right In: -1.431 ± 2.311 χ^2/NDF : 17.6/19

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

Right Out: 2.645 ± 1.934 χ^2/NDF : 30.0/24

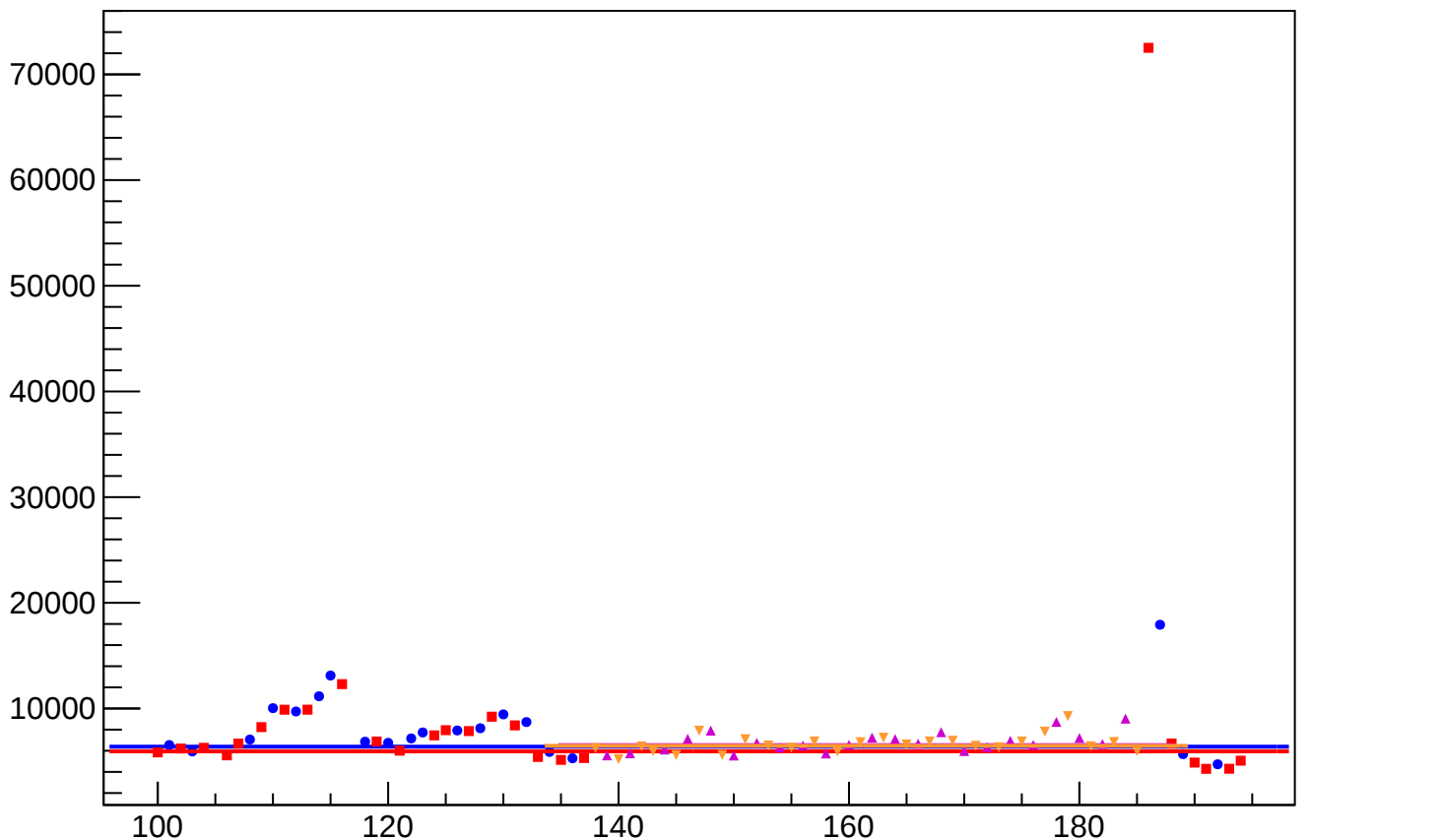
Left In: 1.734 ± 1.586 χ^2/NDF : 33.6/22

+ sign 1.956 ± 1.273 χ^2/NDF : 36.9/44

All: 2.031 ± 0.883 χ^2/NDF : 100.7/92

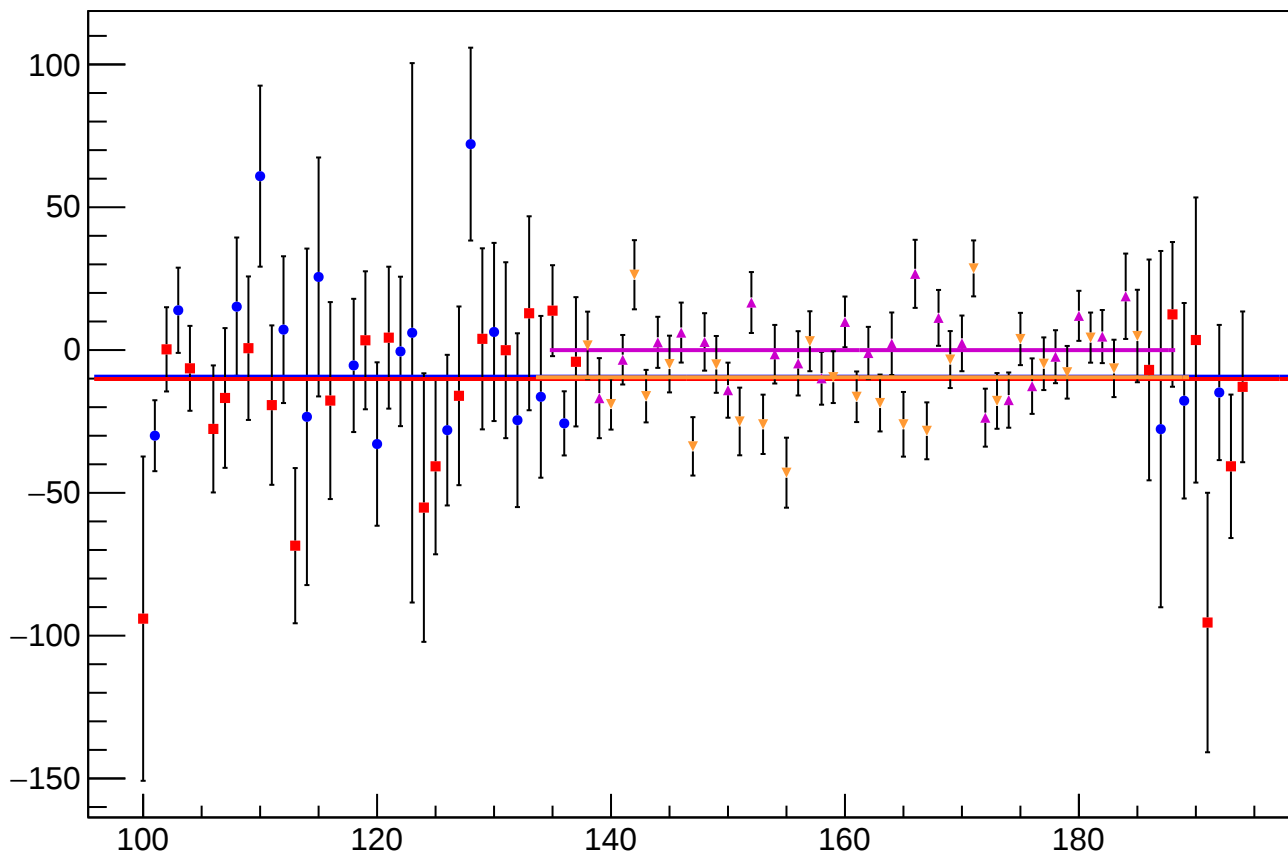
- sign 2.100 ± 1.226 χ^2/NDF : 63.8/47

diff_bpm4ecY_rms vs Slug



Right In: 6388.134 $\pm$ 1.634	χ^2/NDF : 1020771.7/19	+ sign 6444.359 $\pm$ 0.900	χ^2/NDF : 1509659.6/44
Left Out: 6468.872 $\pm$ 1.079	χ^2/NDF : 487187.3/24	All: 6368.412 $\pm$ 0.625	χ^2/NDF : 3941390.7/92
Right Out: 5951.323 $\pm$ 1.368	χ^2/NDF : 1845935.1/24	- sign 6297.948 $\pm$ 0.867	χ^2/NDF : 2418011.2/47
Left In: 6530.954 $\pm$ 1.121	χ^2/NDF : 464668.6/22		

diff_bpm1X_mean vs Slug



Right In: -9.322 ± 5.187 χ^2/NDF : 22.3/19

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

Right Out: -10.134 ± 5.064 χ^2/NDF : 20.0/24

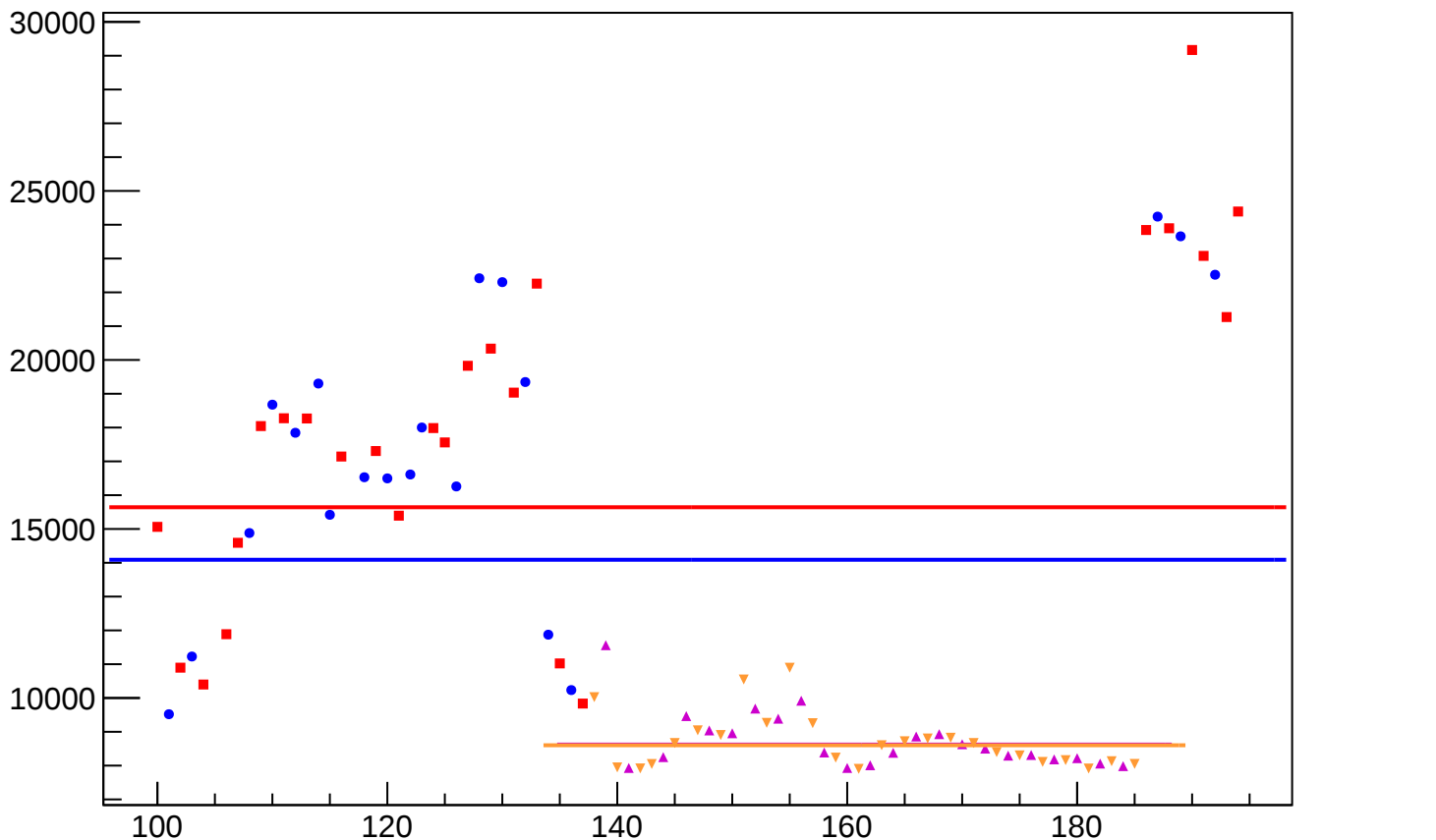
Left In: -0.027 ± 2.080 χ^2/NDF : 29.9/22

+ sign -9.501 ± 1.878 χ^2/NDF : 81.9/44

All: -5.589 ± 1.344 χ^2/NDF : 144.0/92

- sign -1.486 ± 1.924 χ^2/NDF : 53.3/47

diff_bpm1X_rms vs Slug



Right In: 14089.358+/-3.667 χ^2/NDF : 1551260.4/19

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

Right Out: 15642.566+/-3.581 χ^2/NDF : 1900485.2/24

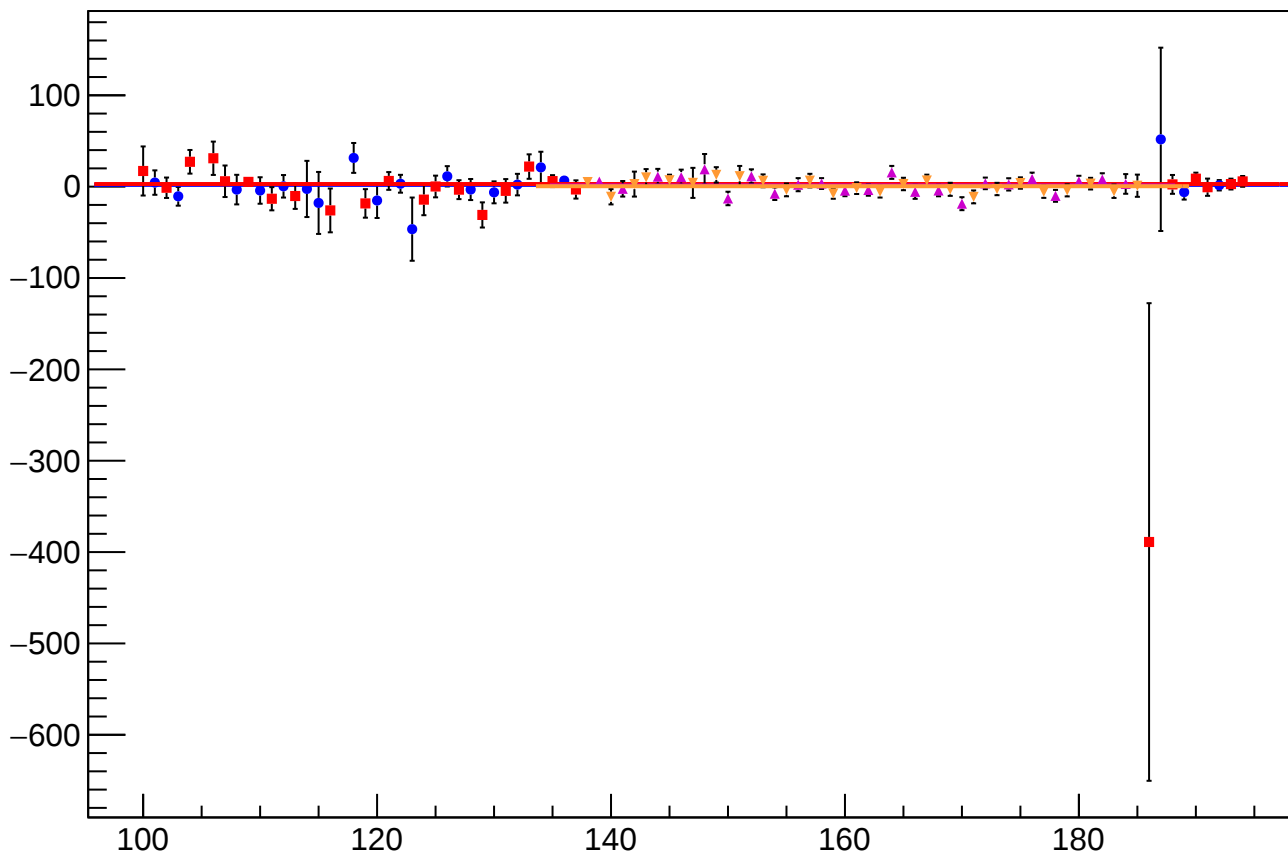
Left In: 8621.975+/-1.471 χ^2/NDF : 230824.4/22

+ sign 9321.686+/-1.328 χ^2/NDF : 3745240.2/44

All: 9474.774+/-0.950 χ^2/NDF : 9193150.7/92

- sign 9635.364+/-1.360 χ^2/NDF : 5420691.7/47

diff_bpm1Y_mean vs Slug



Right In: 1.950 ± 2.375 χ^2/NDF : 13.1/19

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

Right Out: 2.882 ± 1.931 χ^2/NDF : 26.4/24

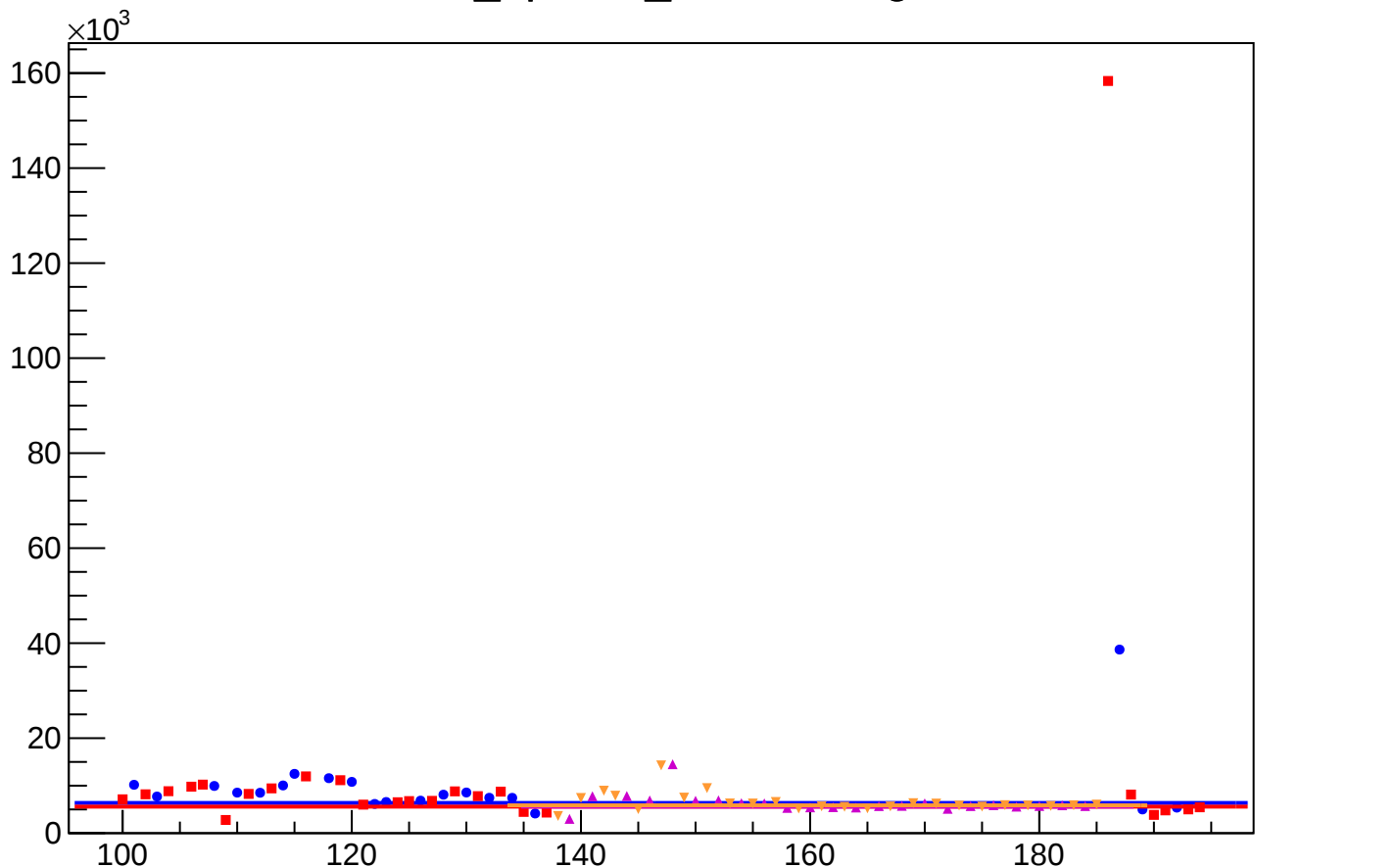
Left In: 1.298 ± 1.406 χ^2/NDF : 33.0/22

+ sign 0.867 ± 1.218 χ^2/NDF : 32.9/44

All: 1.391 ± 0.831 χ^2/NDF : 93.1/92

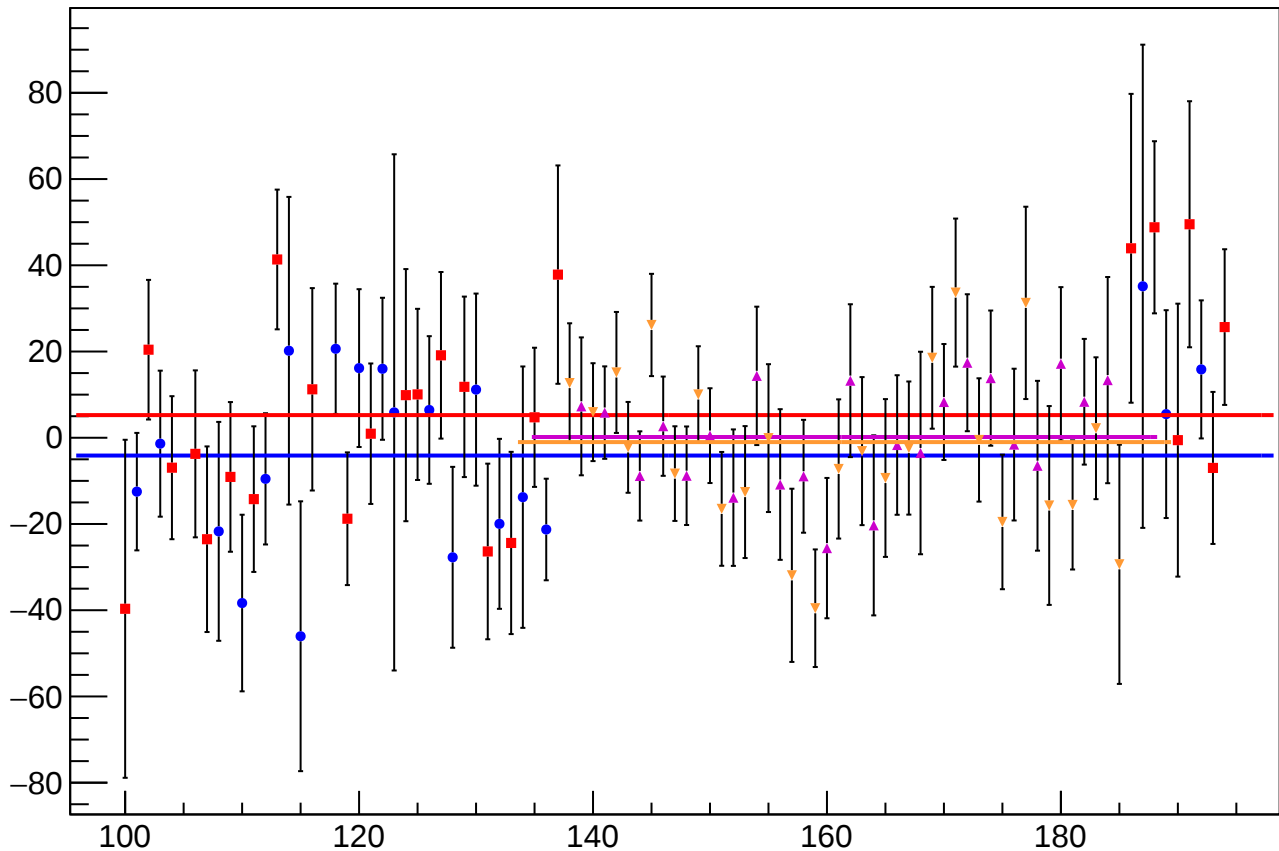
- sign 1.847 ± 1.137 χ^2/NDF : 59.8/47

diff_bpm1Y_rms vs Slug



Right In: 6362.951 ± 1.679	$\chi^2/\text{NDF}: 1748596.1/19$	+ sign 5991.377 ± 0.861	$\chi^2/\text{NDF}: 3506406.9/44$
Left Out: 5858.642 ± 1.004	$\chi^2/\text{NDF}: 1691344.1/24$	All: 5778.616 ± 0.588	$\chi^2/\text{NDF}: 8989182.3/92$
Right Out: 5586.685 ± 1.366	$\chi^2/\text{NDF}: 3278863.6/24$	- sign 5593.347 ± 0.804	$\chi^2/\text{NDF}: 5368650.1/47$
Left In: 5596.879 ± 0.994	$\chi^2/\text{NDF}: 2089750.1/22$		

diff_bpm11X_mean vs Slug



Right In: -4.127 ± 4.273 χ^2/NDF : 18.7/19

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

Right Out: 5.254 ± 3.956 χ^2/NDF : 31.2/24

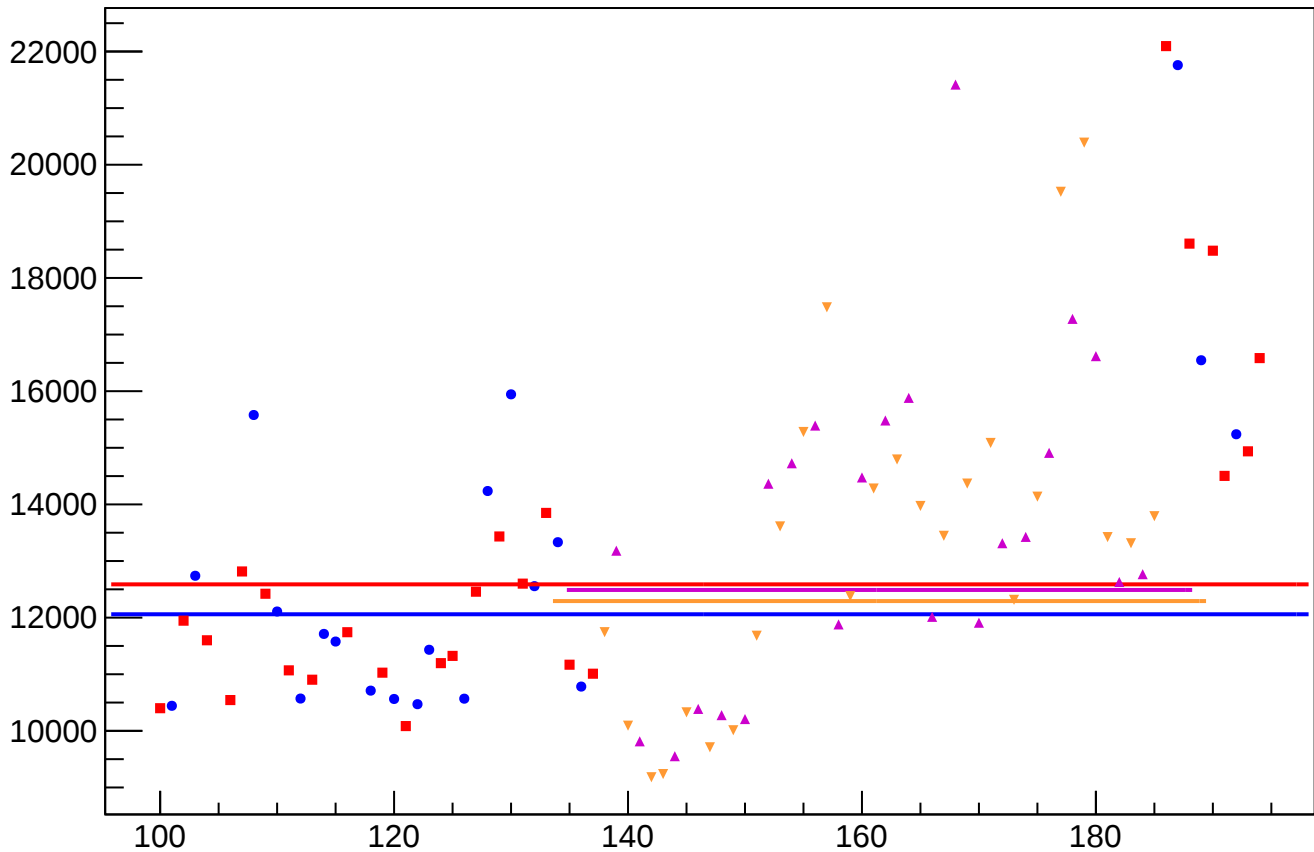
Left In: 0.172 ± 3.067 χ^2/NDF : 12.4/22

+ sign -2.010 ± 2.423 χ^2/NDF : 52.5/44

All: 0.034 ± 1.714 χ^2/NDF : 98.5/92

- sign 2.080 ± 2.424 χ^2/NDF : 44.5/47

diff_bpm11X_rms vs Slug



Right In: 12059.424 $\pm$ 3.021 χ^2 /NDF: 471757.2/19

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

Right Out: 12587.844 $\pm$ 2.798 χ^2 /NDF: 728321.5/24

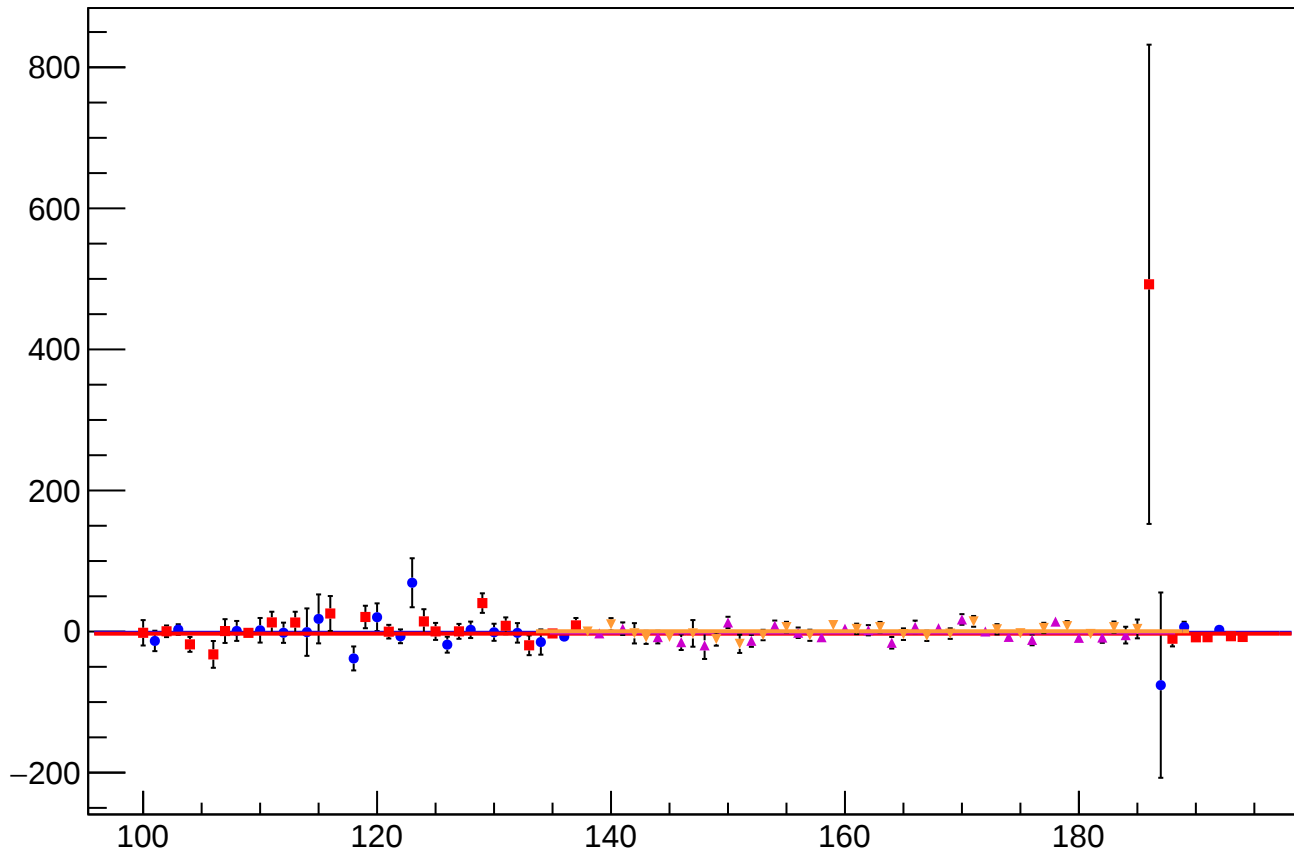
Left In: 12488.821 $\pm$ 2.169 χ^2 /NDF:1354485.4/22

+ sign 12217.605 $\pm$ 1.713 χ^2 /NDF: 1978346.2/44

All: 12371.721 $\pm$ 1.212 χ^2 /NDF: 4078128.5/9

- sign 12525.995 $\pm$ 1.714 χ^2 /NDF: 2083589.5/47

diff_bpm11Y_mean vs Slug



Right In: -1.736 ± 2.225 χ^2/NDF : 18.4/19

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

Right Out: -3.002 ± 1.796 χ^2/NDF : 30.3/24

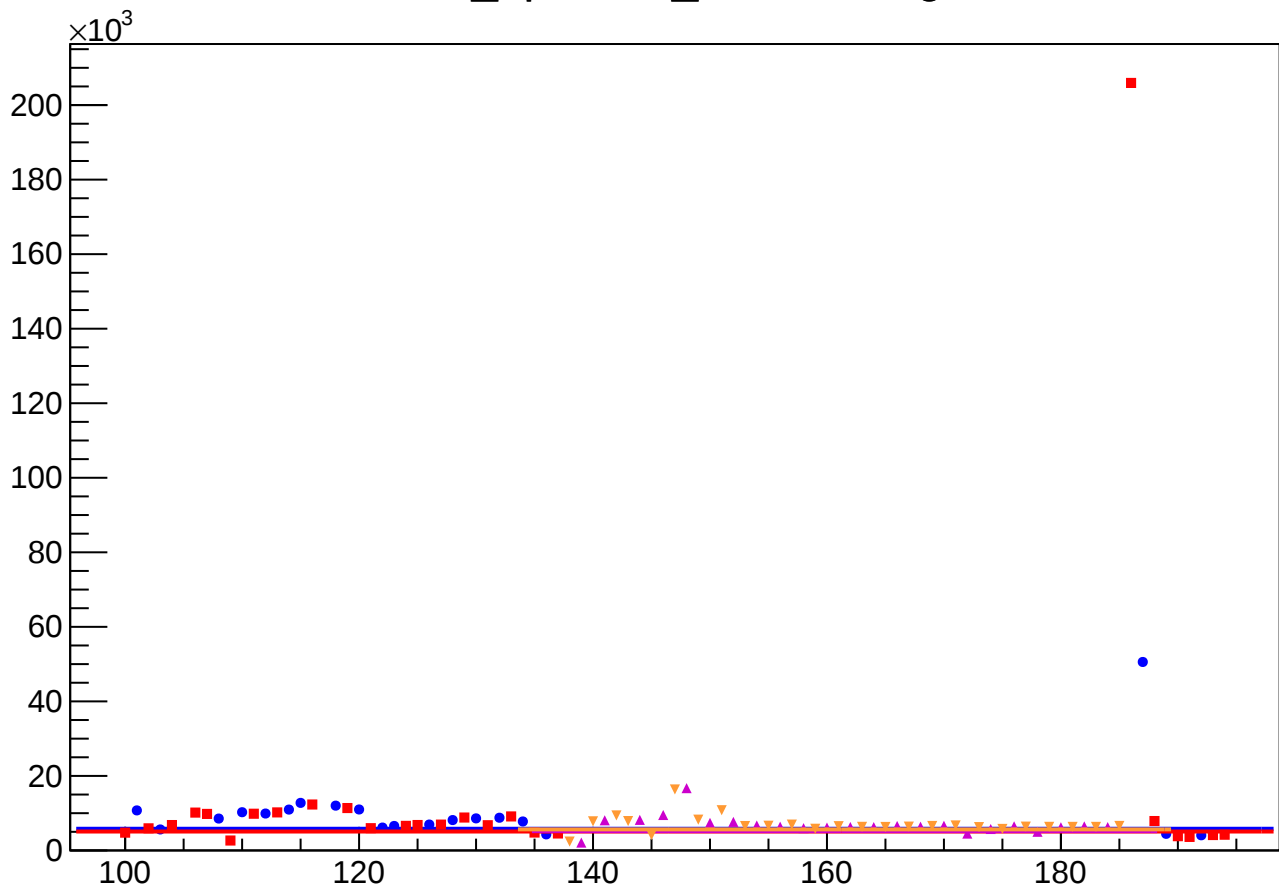
Left In: -1.278 ± 1.386 χ^2/NDF : 34.0/22

+ sign -0.220 ± 1.206 χ^2/NDF : 38.3/44

All: -1.151 ± 0.811 χ^2/NDF : 104.3/92

- sign -1.922 ± 1.097 χ^2/NDF : 64.9/47

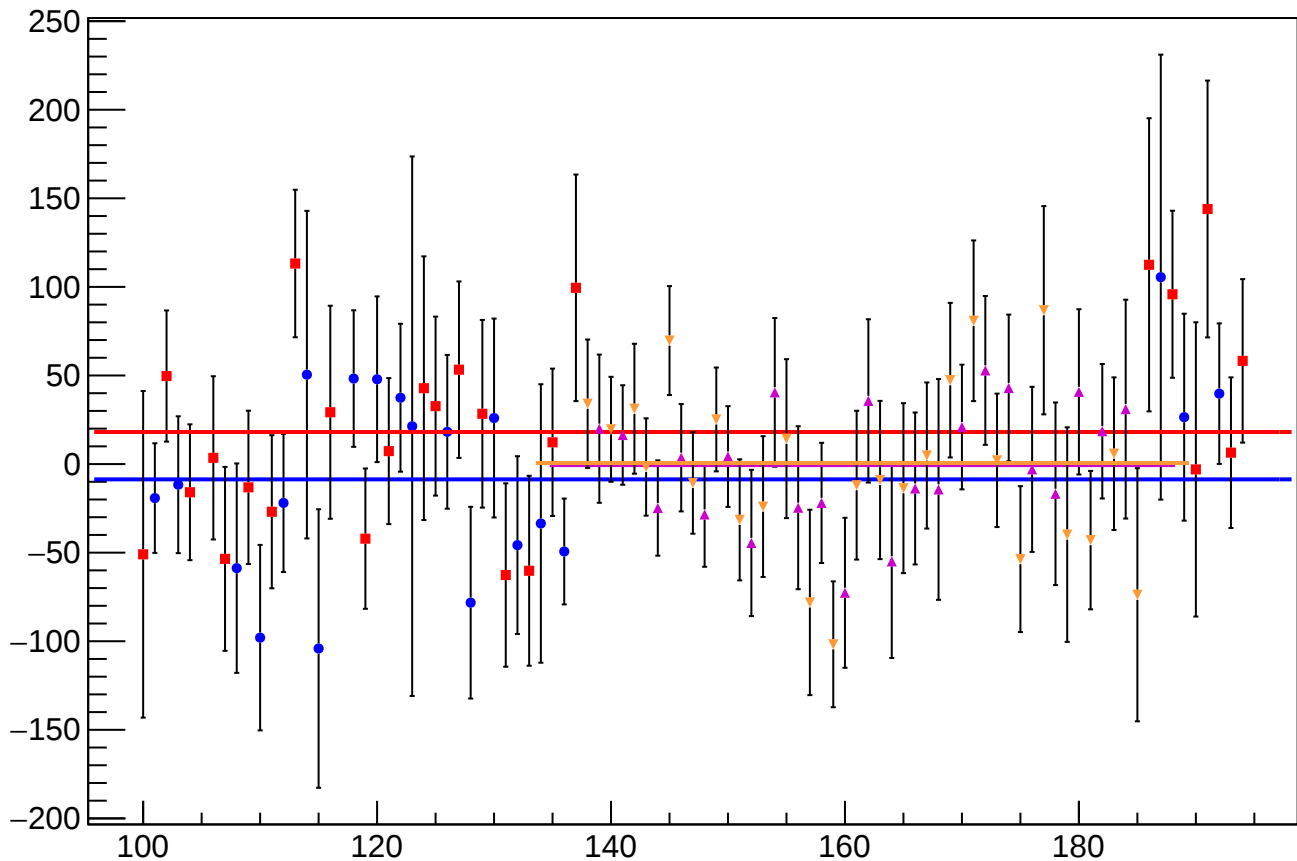
diff_bpm11Y_rms vs Slug



Right In: 5820.830 ± 1.573 χ^2/NDF : 2292168.3/19
 Left Out: 5655.639 ± 1.014 χ^2/NDF : 4124124.3/24
 Right Out: 5081.316 ± 1.270 χ^2/NDF : 3446315.2/24
 Left In: 5180.743 ± 0.980 χ^2/NDF : 5350053.6/22

+ sign 5704.150 ± 0.853 χ^2/NDF : 6424080.1/44
 All: 5397.509 ± 0.574 χ^2/NDF : 15460763.7/9
 - sign 5143.633 ± 0.776 χ^2/NDF : 8800211.8/47

diff_bpm12X_mean vs Slug



Right In: -8.637 ± 10.593 χ^2/NDF : 18.2/19

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

Right Out: 18.095 ± 9.828 χ^2/NDF : 28.2/24

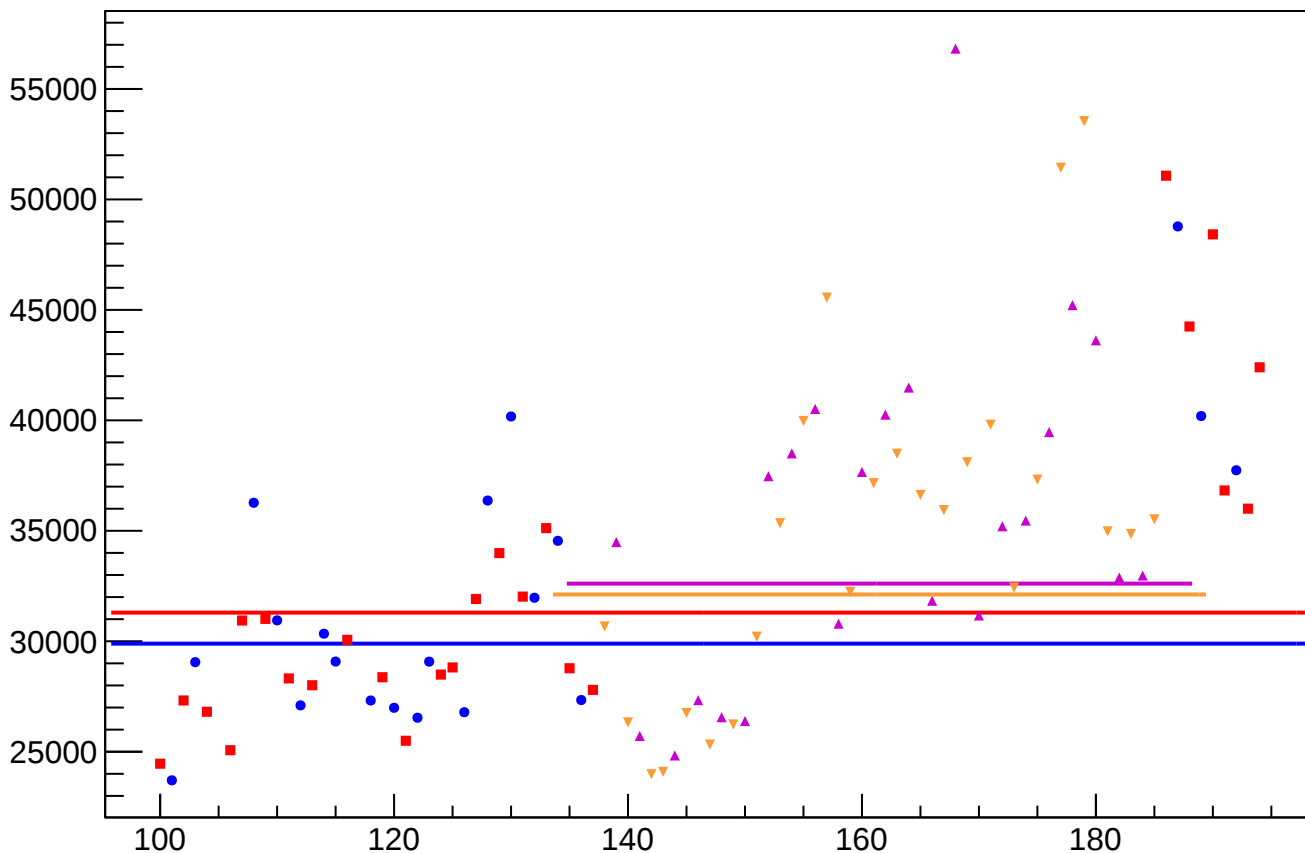
Left In: -0.565 ± 8.015 χ^2/NDF : 14.3/22

+ sign -2.602 ± 6.223 χ^2/NDF : 49.7/44

All: 2.152 ± 4.396 χ^2/NDF : 95.5/92

- sign 6.888 ± 6.211 χ^2/NDF : 44.6/47

diff_bpm12X_rms vs Slug



Right In: 29892.591+/-7.490 χ^2/NDF : 462029.5/19

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

Right Out: 31295.958+/-6.950 χ^2/NDF : 710865.8/24

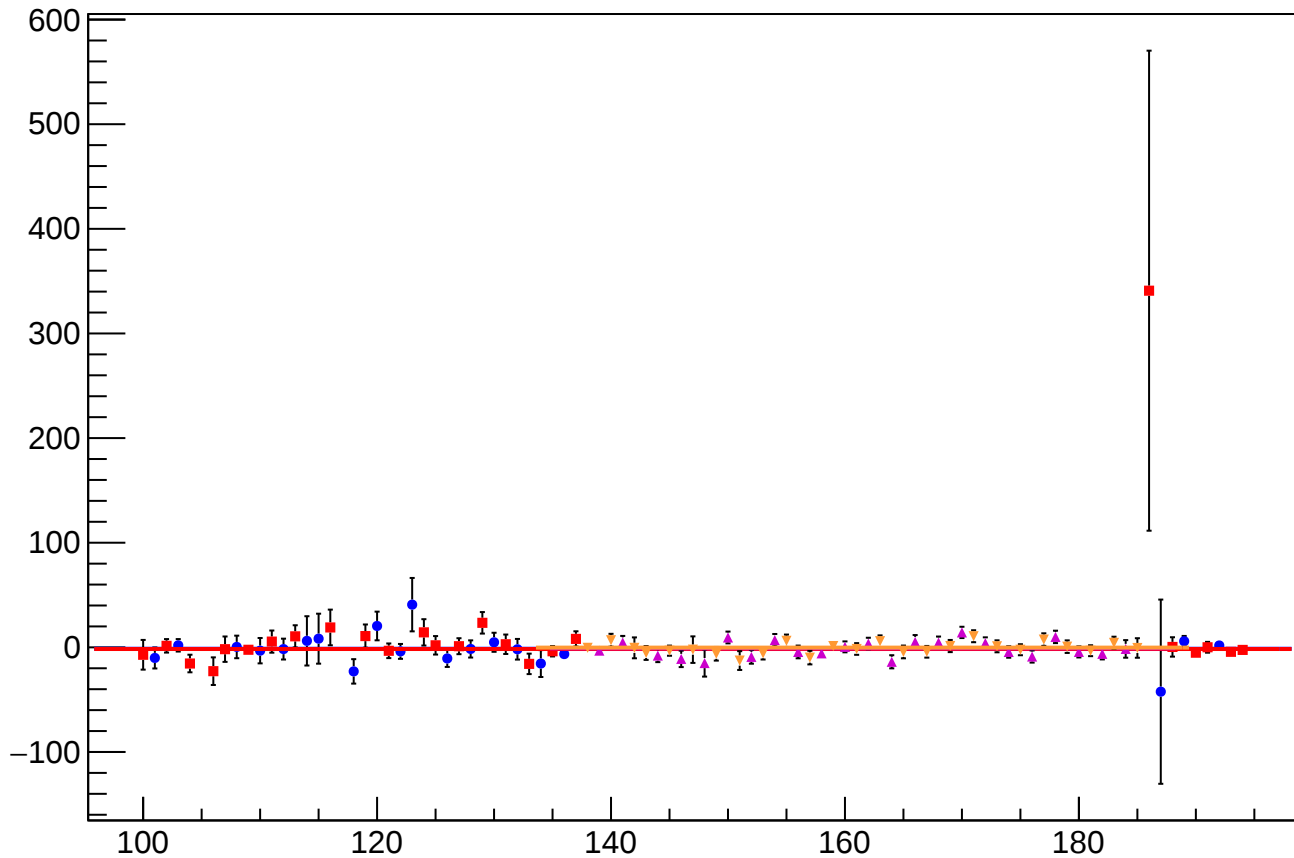
Left In: 32610.108+/-5.667 χ^2/NDF :1398475.8/22

+ sign 31349.331+/-4.401 χ^2/NDF : 2056531.4/44

All: 31718.014+/-3.109 χ^2/NDF : 4201360.1/5

- sign 32085.257+/-4.392 χ^2/NDF : 2130817.8/47

diff_bpm12Y_mean vs Slug



Right In: -1.352 ± 1.603 χ^2/NDF : 18.7/19

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

Right Out: -1.593 ± 1.325 χ^2/NDF : 26.2/24

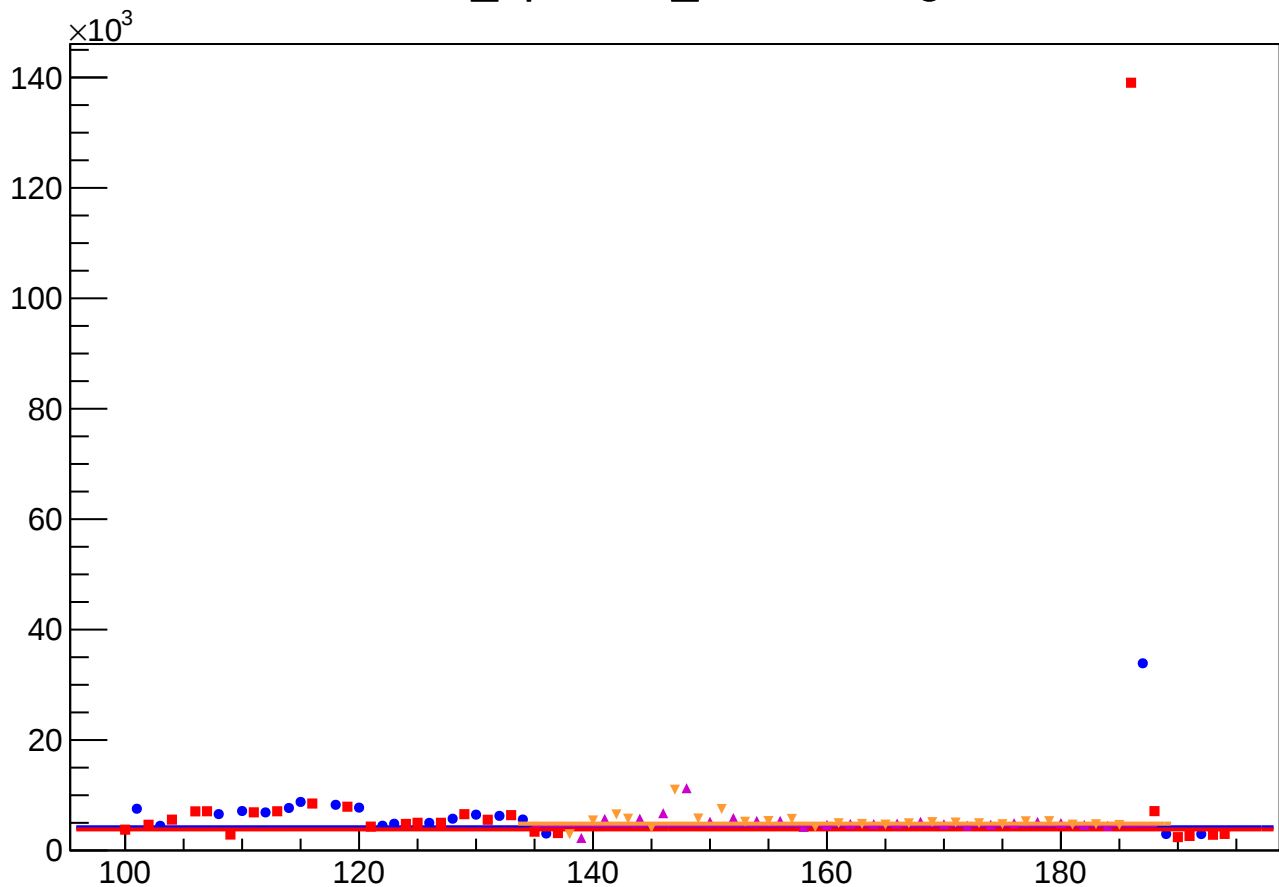
Left In: -0.925 ± 1.154 χ^2/NDF : 36.1/22

+ sign -0.638 ± 0.947 χ^2/NDF : 37.1/44

All: -0.950 ± 0.641 χ^2/NDF : 99.7/92

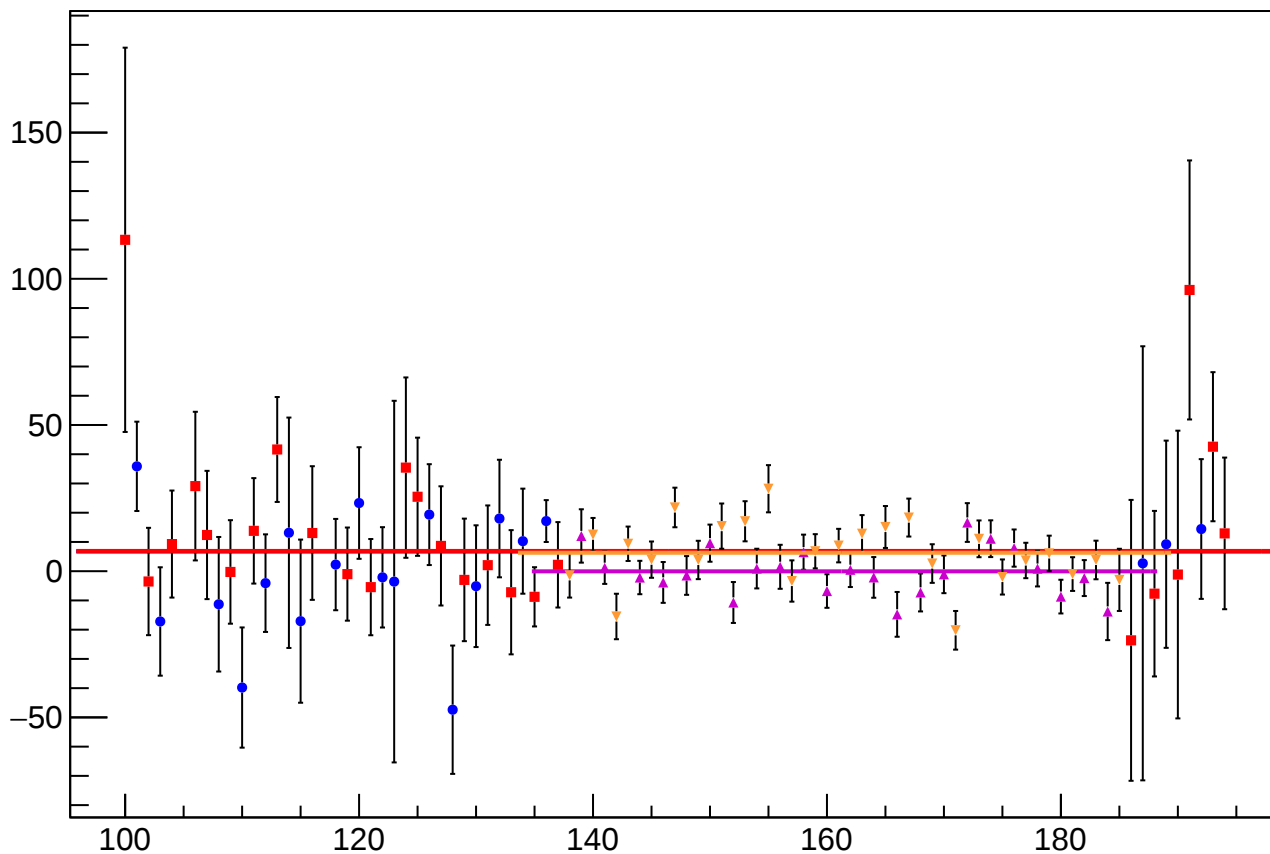
- sign -1.213 ± 0.870 χ^2/NDF : 62.4/47

diff_bpm12Y_rms vs Slug



Right In: 4200.170 ± 1.134 $\chi^2/\text{NDF}: 2298699.8/19$ + sign 4634.248 ± 0.669 $\chi^2/\text{NDF}: 4035218.8/44$
 Left Out: 4866.528 ± 0.829 $\chi^2/\text{NDF}: 1511486.2/24$ All: 4425.640 ± 0.453 $\chi^2/\text{NDF}: 10408918.6/9$
 Right Out: 3810.535 ± 0.937 $\chi^2/\text{NDF}: 3329988.4/24$ - sign 4249.413 ± 0.615 $\chi^2/\text{NDF}: 6194526.9/47$
 Left In: 4582.193 ± 0.816 $\chi^2/\text{NDF}: 2478681.0/22$

diff_bpm16X_mean vs Slug



Right In: 6.726 ± 3.983 χ^2/NDF : 22.9/19

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

Right Out: 6.930 ± 4.029 χ^2/NDF : 20.4/24

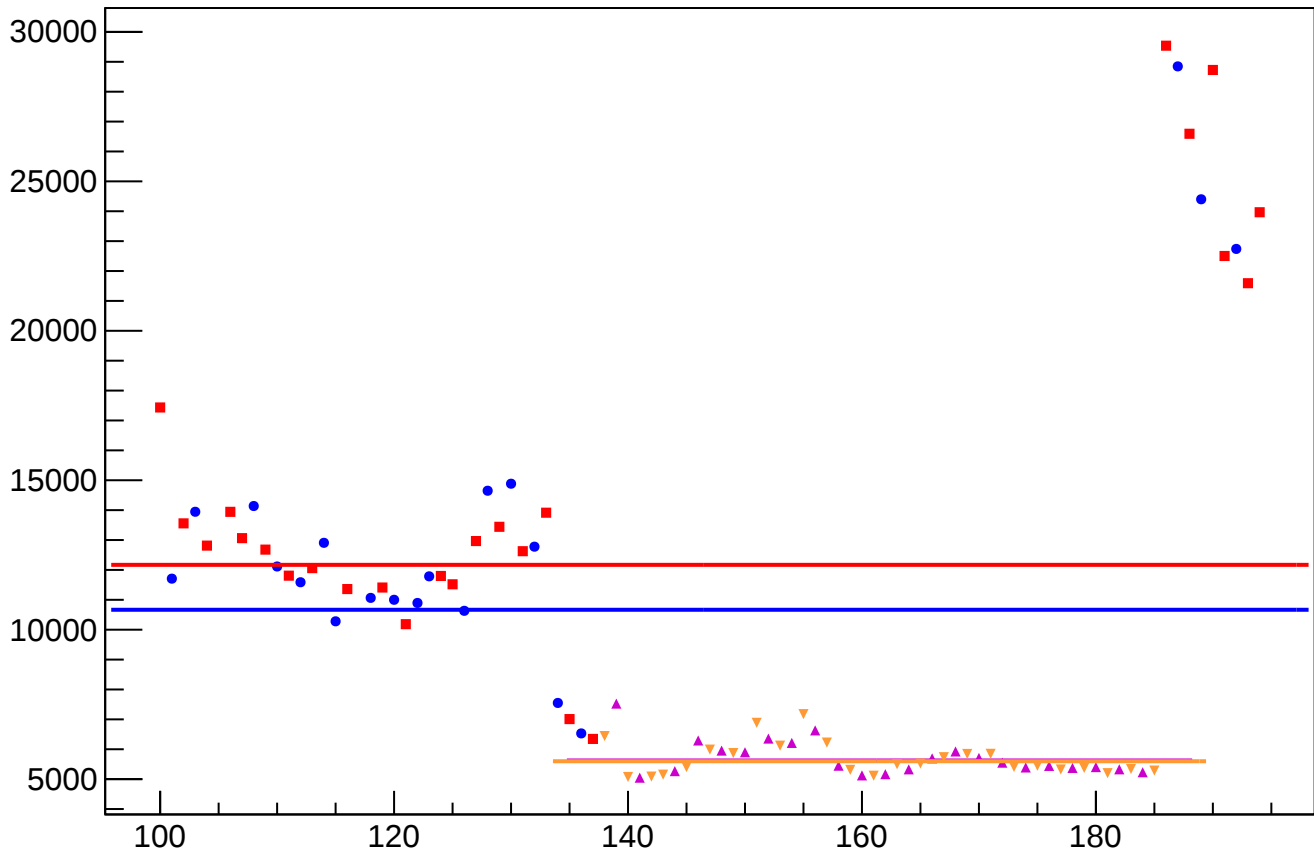
Left In: -0.044 ± 1.358 χ^2/NDF : 30.0/22

+ sign 6.344 ± 1.247 χ^2/NDF : 79.6/44

All: 3.595 ± 0.895 χ^2/NDF : 142.7/92

- sign 0.667 ± 1.287 χ^2/NDF : 53.1/47

diff_bpm16X_rms vs Slug



Right In: 10666.609 $\pm$ 2.816 χ^2 /NDF: 1971829.4/19

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

Right Out: 12169.868 $\pm$ 2.849 χ^2 /NDF: 2746362.6/24

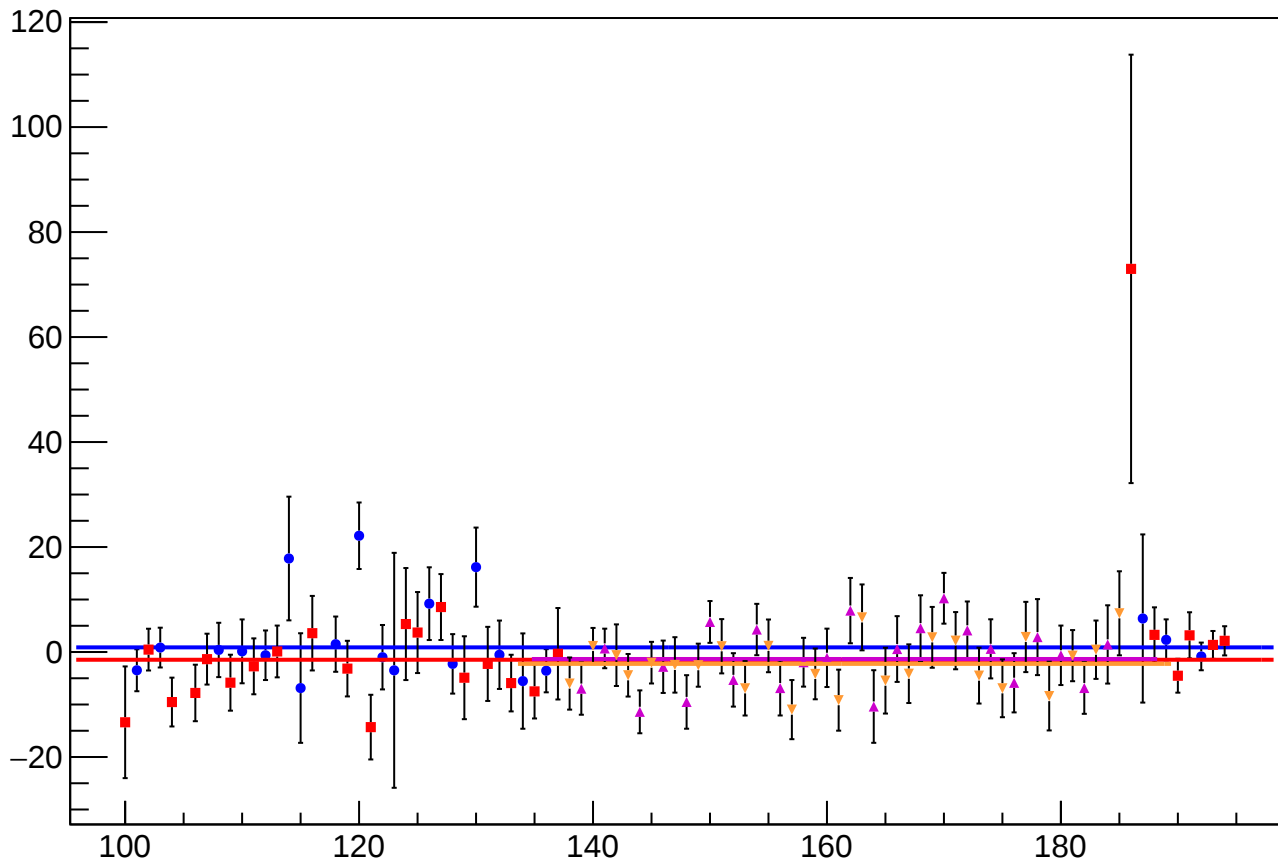
Left In: 5625.163 $\pm$ 0.960 χ^2 /NDF: 272563.5/22

+ sign 6095.209 $\pm$ 0.881 χ^2 /NDF: 5175661.0/44

All: 6190.762 $\pm$ 0.633 χ^2 /NDF: 12957677.9/95

- sign 6292.551 $\pm$ 0.910 χ^2 /NDF: 7757748.9/47

diff_bpm16Y_mean vs Slug



Right In: 0.885 ± 1.174 χ^2/NDF : 23.6/19

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

Right Out: -1.474 ± 0.992 χ^2/NDF : 26.3/24

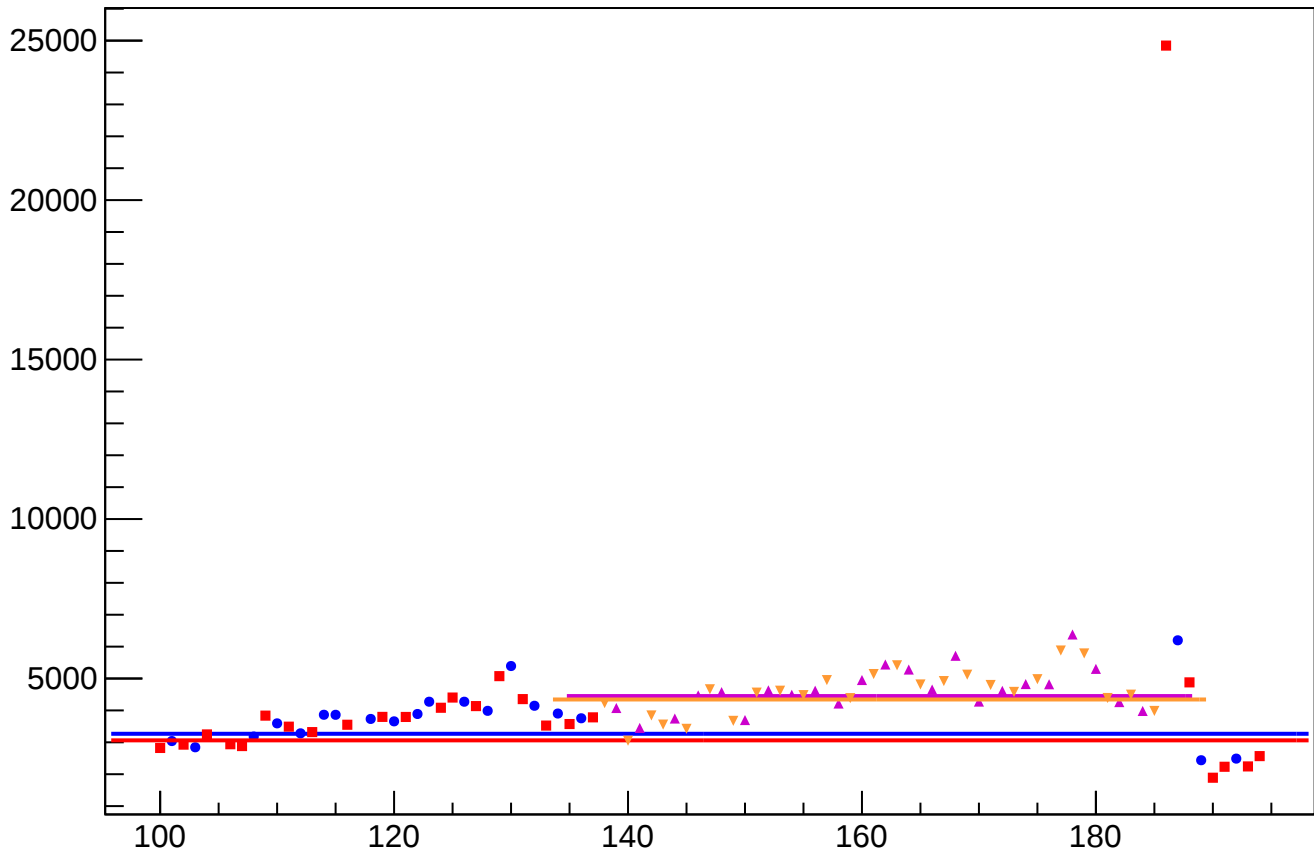
Left In: -1.328 ± 1.082 χ^2/NDF : 30.6/22

+ sign -0.893 ± 0.774 χ^2/NDF : 43.2/44

All: -1.165 ± 0.532 χ^2/NDF : 100.3/92

- sign -1.407 ± 0.731 χ^2/NDF : 56.9/47

diff_bpm16Y_rms vs Slug



Right In: 3267.471 $\pm$ 0.830 χ^2 /NDF: 736249.2/19

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

Right Out: 3061.209 $\pm$ 0.701 χ^2 /NDF: 1927730.4/24

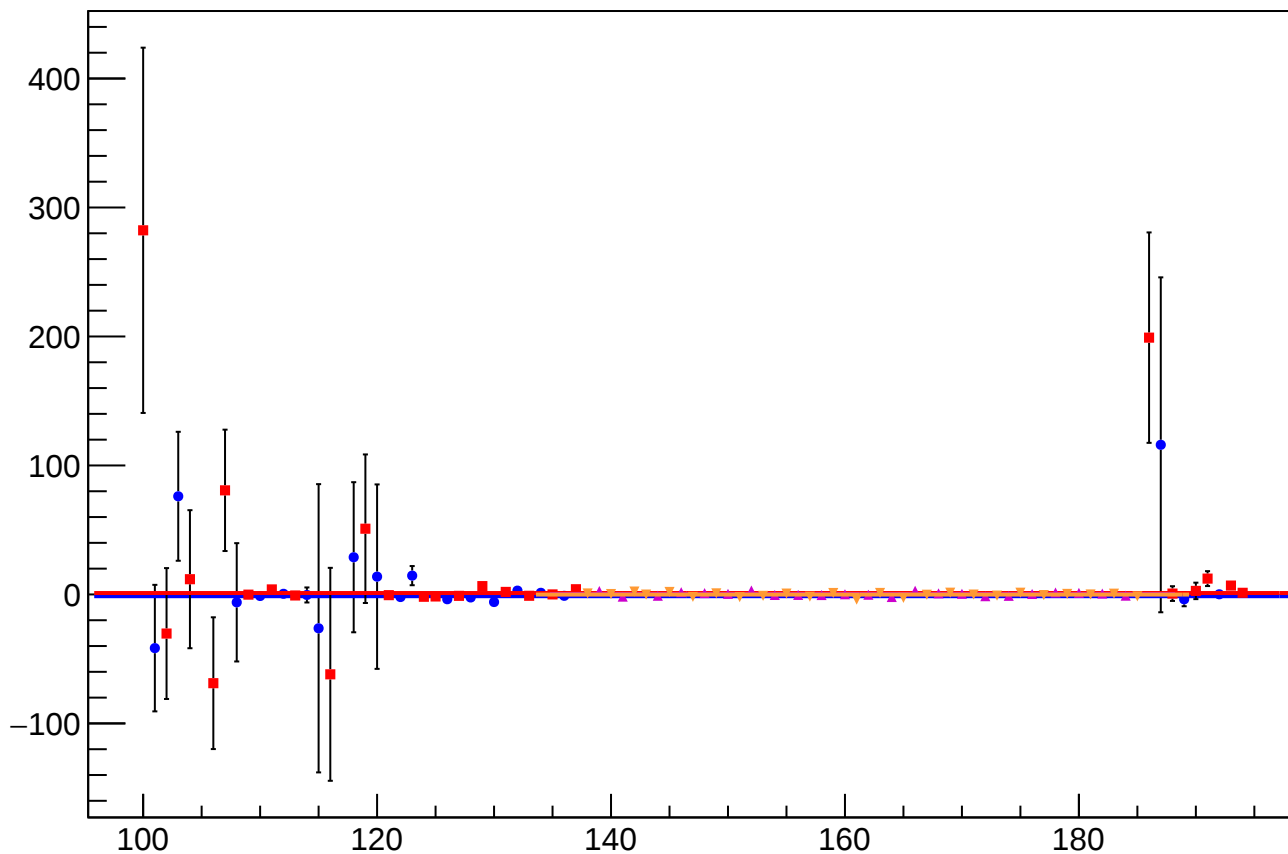
Left In: 4450.007 $\pm$ 0.765 χ^2 /NDF: 693229.8/22

+ sign 3874.959 $\pm$ 0.548 χ^2 /NDF: 2676947.4/44

All: 3779.910 $\pm$ 0.376 χ^2 /NDF: 7145711.7/92

- sign 3695.190 $\pm$ 0.517 χ^2 /NDF: 4411769.5/47

diff_bpm1p02bX_mean vs Slug



Right In: -1.368 ± 0.725 χ^2/NDF : 17.9/19

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

Right Out: 1.095 ± 0.671 χ^2/NDF : 34.1/24

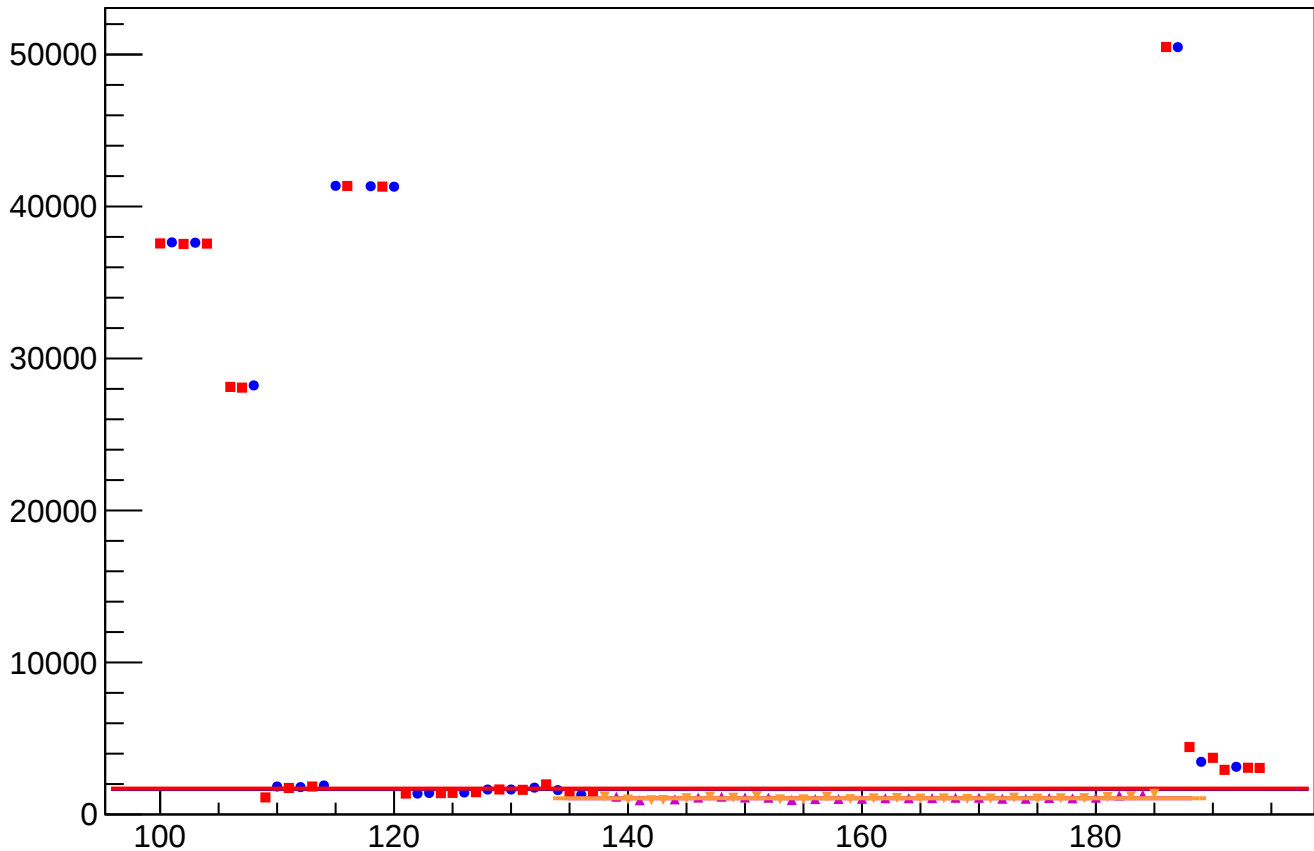
Left In: 0.259 ± 0.257 χ^2/NDF : 27.2/22

+ sign -0.226 ± 0.236 χ^2/NDF : 55.2/44

All: 0.064 ± 0.168 χ^2/NDF : 120.9/92

- sign 0.366 ± 0.240 χ^2/NDF : 62.6/47

diff_bpm1p02bX_rms vs Slug



Right In: 1672.673+/-0.513 χ^2 /NDF: 5694833.0/19

Left Out: 1064.701+/-0.176 χ^2/NDF :186511.5/24

Right Out: 1702.573 ± 0.475 χ^2/NDF : 7148528.8/24

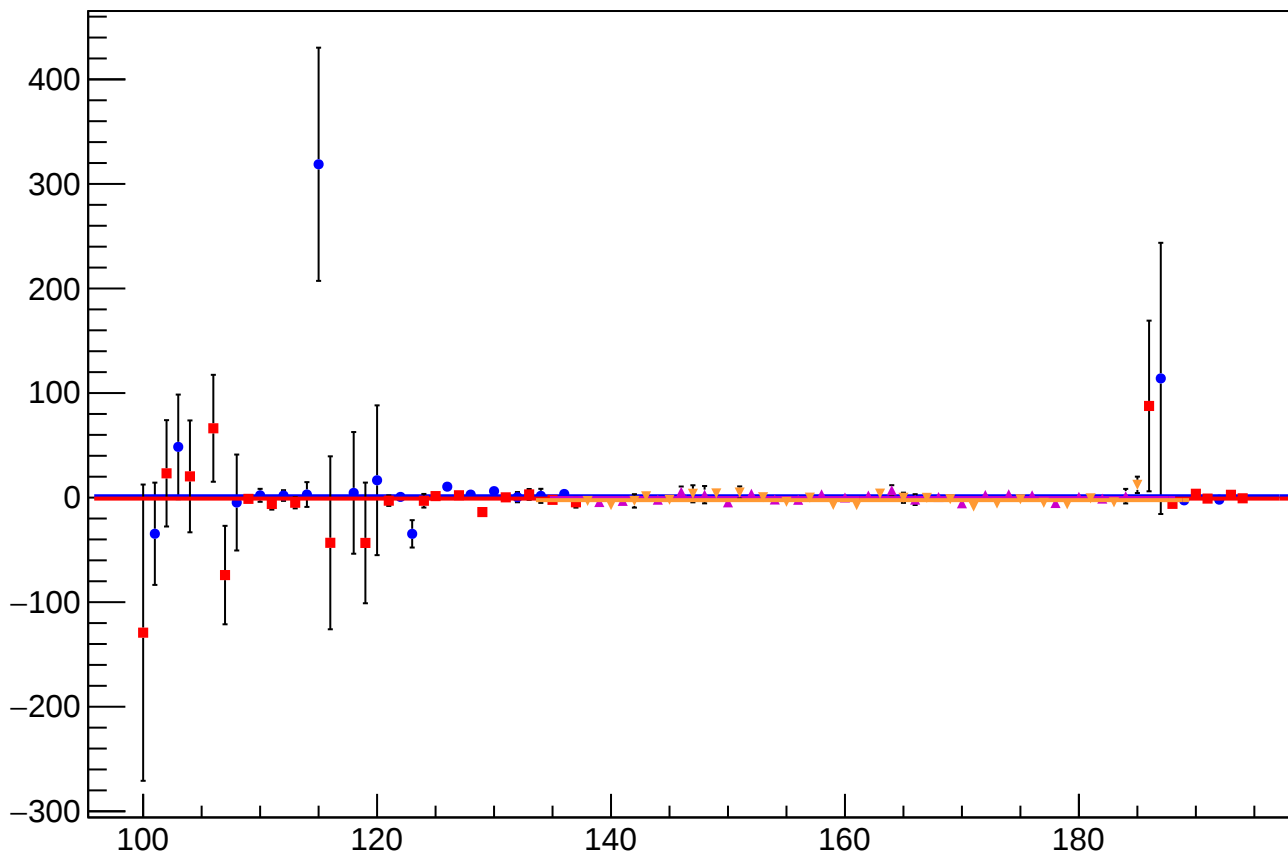
Left In: 1066.255+/-0.182 χ^2/NDF :164232.1/22

+ sign 1128.833 $\pm$ 0.167 χ^2 /NDF: 7138633.2/44

All: 1138.031+/-0.119 χ^2/NDF : 16025006.5/9

- sign 1147.579+/-0.170 χ^2/NDF : 8880157.4/47

diff_bpm1p02bY_mean vs Slug



Right In: 1.305 ± 1.064 χ^2/NDF : 28.9/19

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

Right Out: -0.944 ± 0.890 χ^2/NDF : 24.8/24

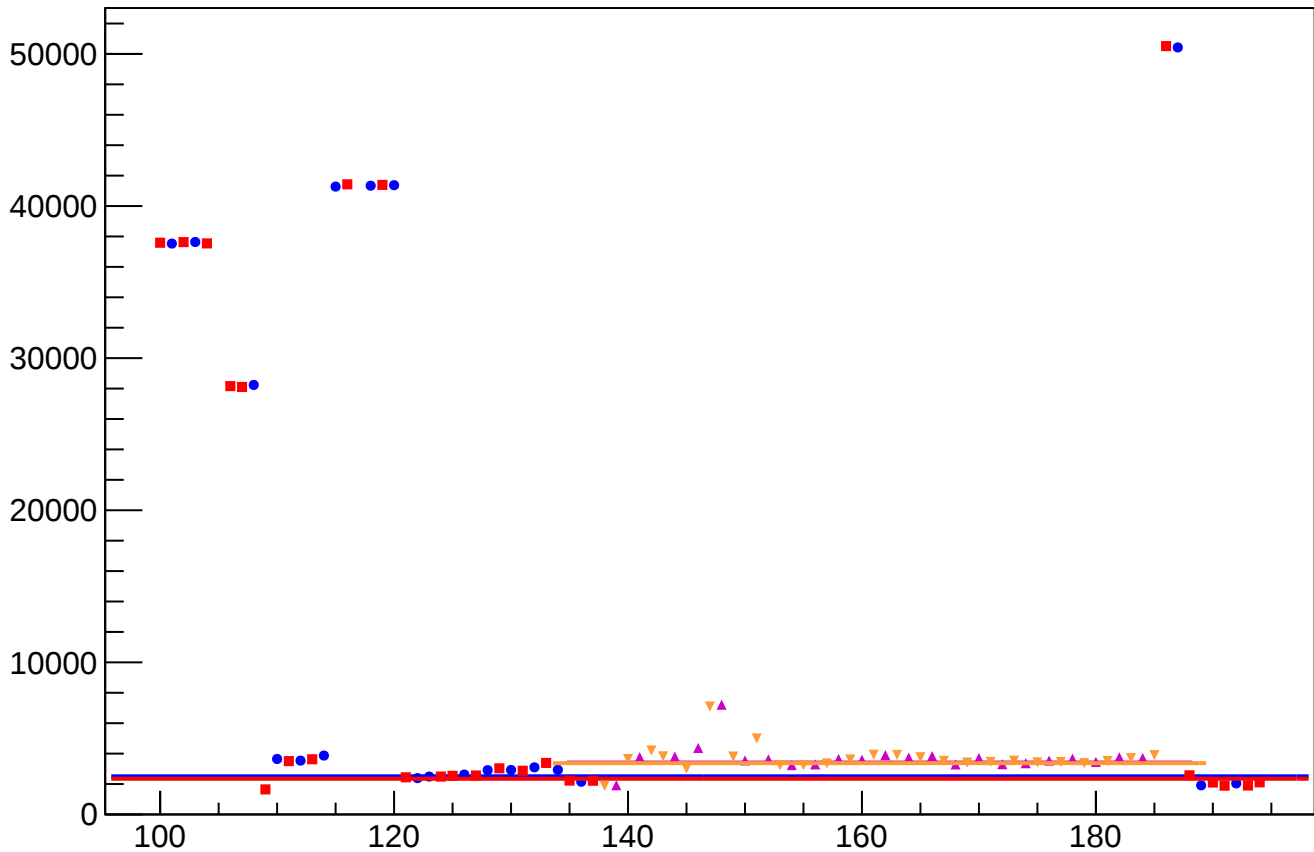
Left In: -0.468 ± 0.843 χ^2/NDF : 15.5/22

+ sign -1.053 ± 0.645 χ^2/NDF : 58.0/44

All: -0.864 ± 0.444 χ^2/NDF : 98.5/92

- sign -0.693 ± 0.612 χ^2/NDF : 40.4/47

diff_bpm1p02bY_rms vs Slug



Right In: 2508.174+/-0.752 χ^2/NDF : 5102524.2/19

Left Out: 3372.958+/-0.573 χ^2/NDF : 1656864.7/24

Right Out: 2347.125+/-0.629 χ^2/NDF : 5770203.6/24

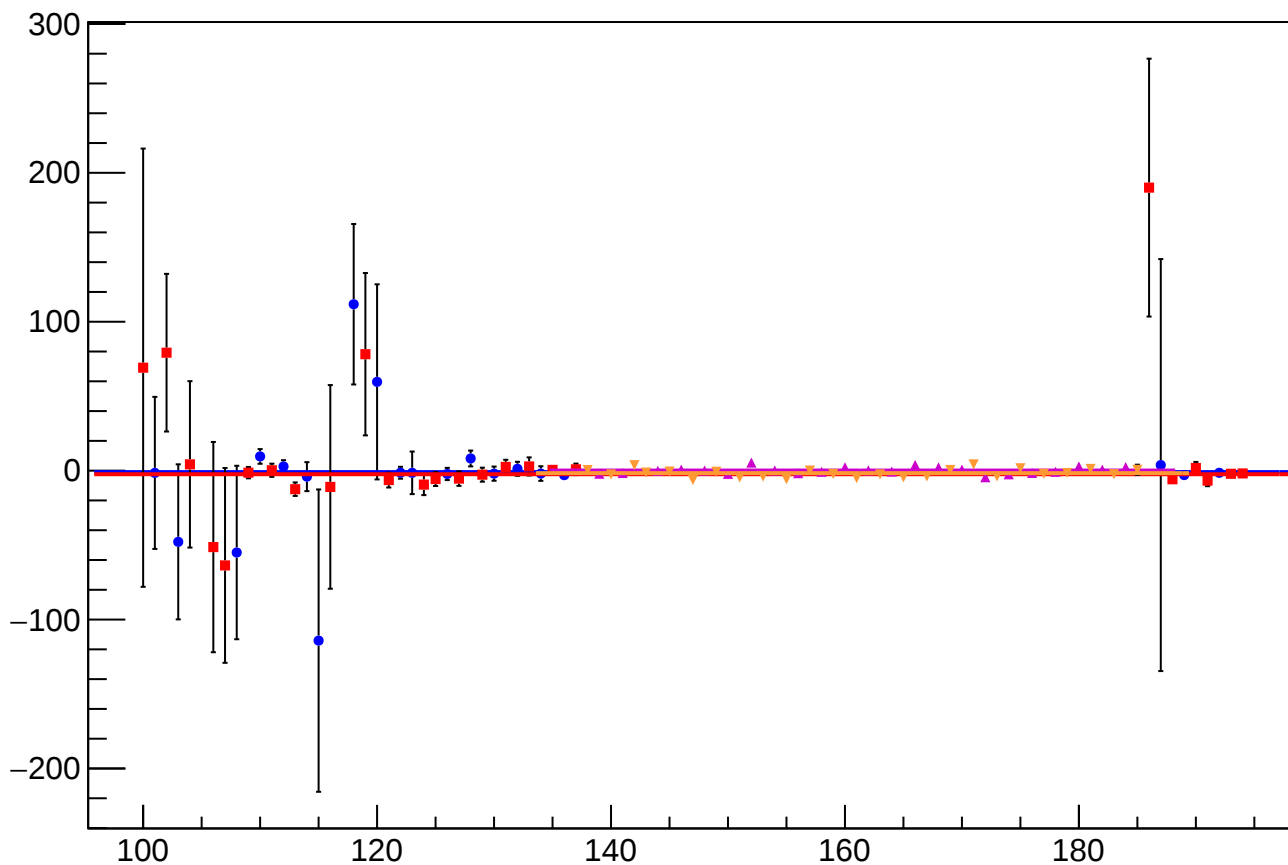
Left In: 3411.924+/-0.596 χ^2/NDF : 1434523.7/22

+ sign 3055.328+/-0.456 χ^2/NDF : 7595584.0/44

All: 2978.011+/-0.314 χ^2/NDF : 16364522.3/9

- sign 2908.364+/-0.433 χ^2/NDF : 8714267.2/47

diff_bpm1p03aX_mean vs Slug



Right In: -0.980 ± 0.990 χ^2/NDF : 18.6/19

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

Right Out: -2.395 ± 0.875 χ^2/NDF : 26.0/24

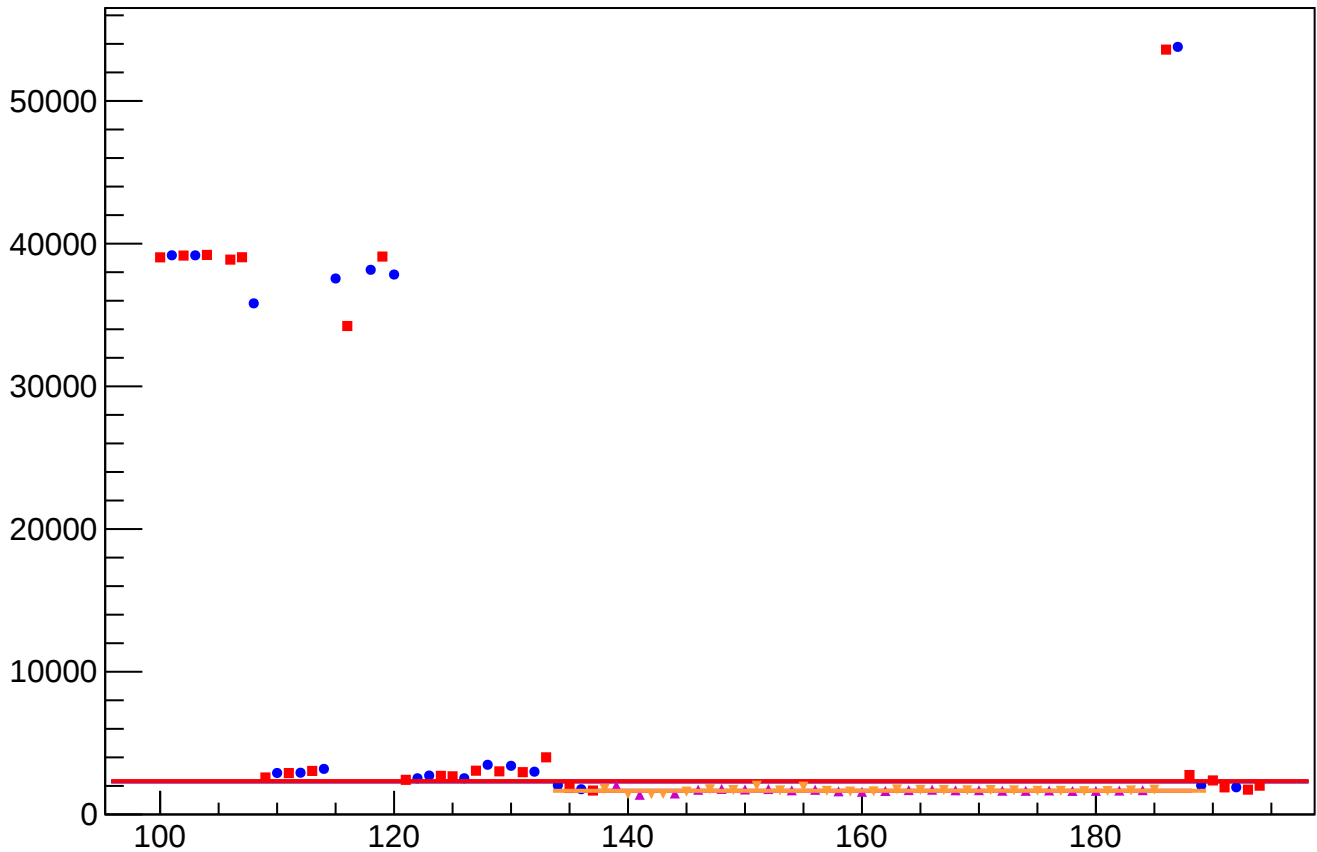
Left In: 0.072 ± 0.401 χ^2/NDF : 28.2/22

+ sign -1.580 ± 0.361 χ^2/NDF : 64.6/44

All: -0.974 ± 0.257 χ^2/NDF : 131.2/92

- sign -0.356 ± 0.365 χ^2/NDF : 60.8/47

diff_bpm1p03aX_rms vs Slug



Right In: 2307.676 $\pm$ 0.700 χ^2 /NDF: 5310397.9/19

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

Right Out: 2335.735 $\pm$ 0.619 χ^2 /NDF: 5948187.1/24

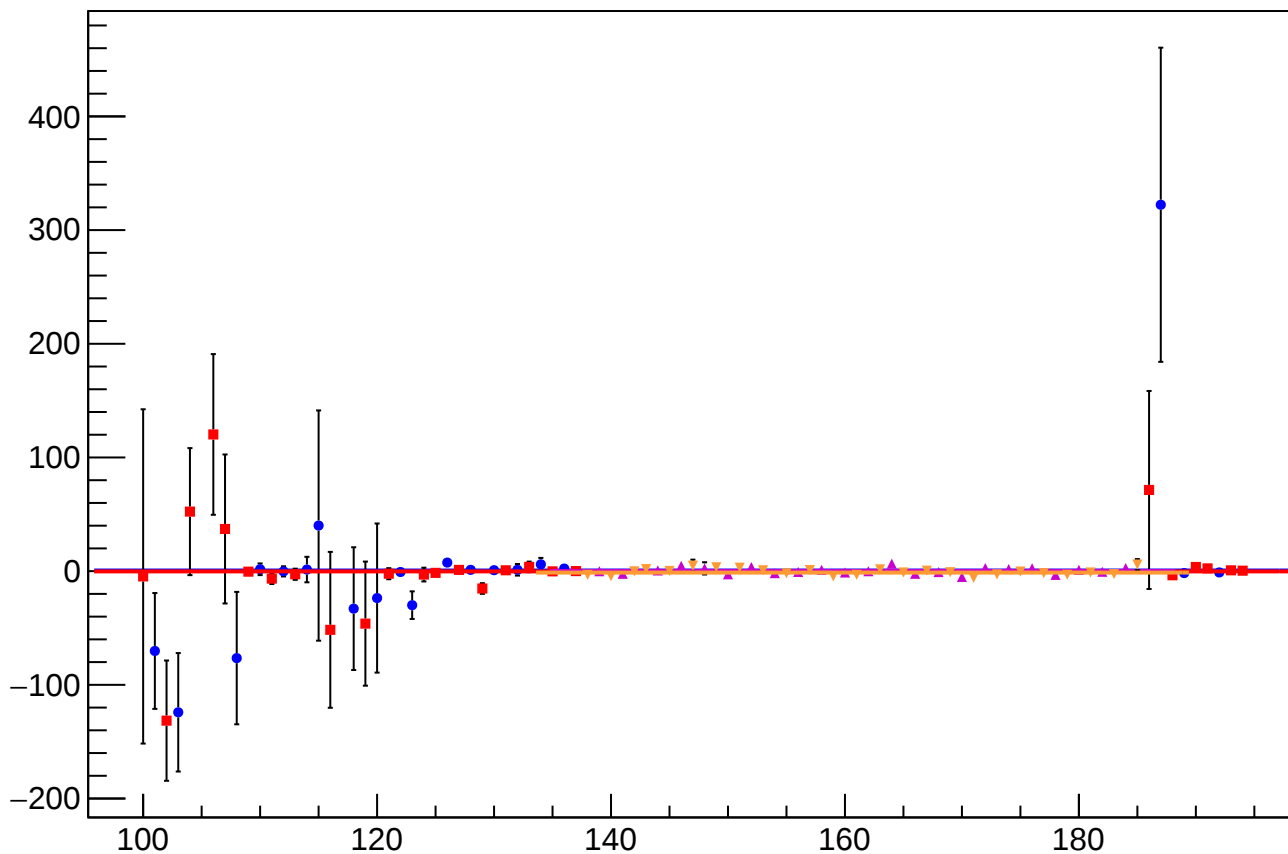
Left In: 1663.620 $\pm$ 0.284 χ^2 /NDF: 178858.2/22

+ sign 1744.372 $\pm$ 0.255 χ^2 /NDF: 6281302.2/44

All: 1762.152 $\pm$ 0.181 χ^2 /NDF: 13392923.1/9

- sign 1780.258 $\pm$ 0.258 χ^2 /NDF: 7101844.8/47

diff_bpm1p03aY_mean vs Slug



Right In: 0.545 ± 0.900 χ^2/NDF : 28.8/19

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

Right Out: -0.212 ± 0.738 χ^2/NDF : 30.8/24

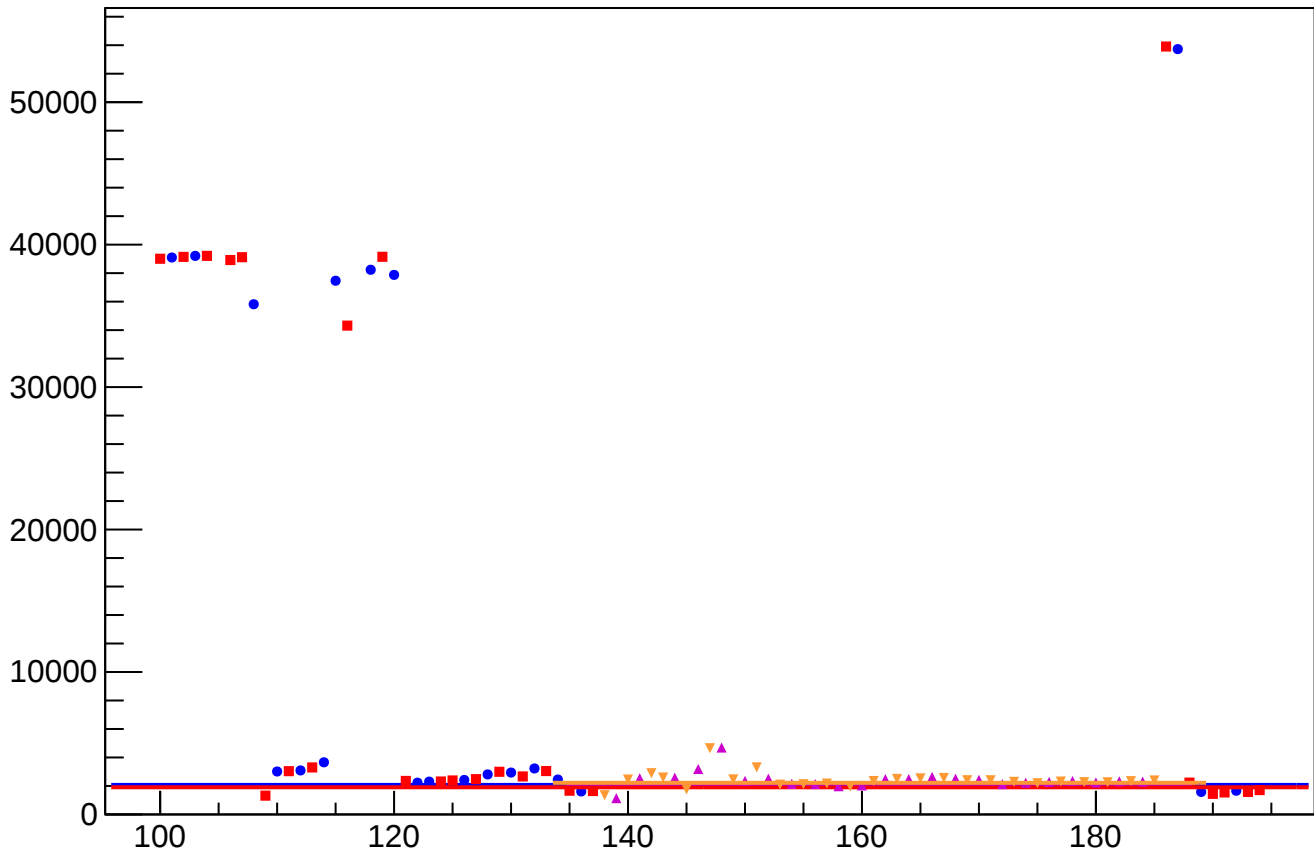
Left In: 0.098 ± 0.541 χ^2/NDF : 19.3/22

+ sign -0.782 ± 0.460 χ^2/NDF : 53.4/44

All: -0.376 ± 0.317 χ^2/NDF : 105.1/92

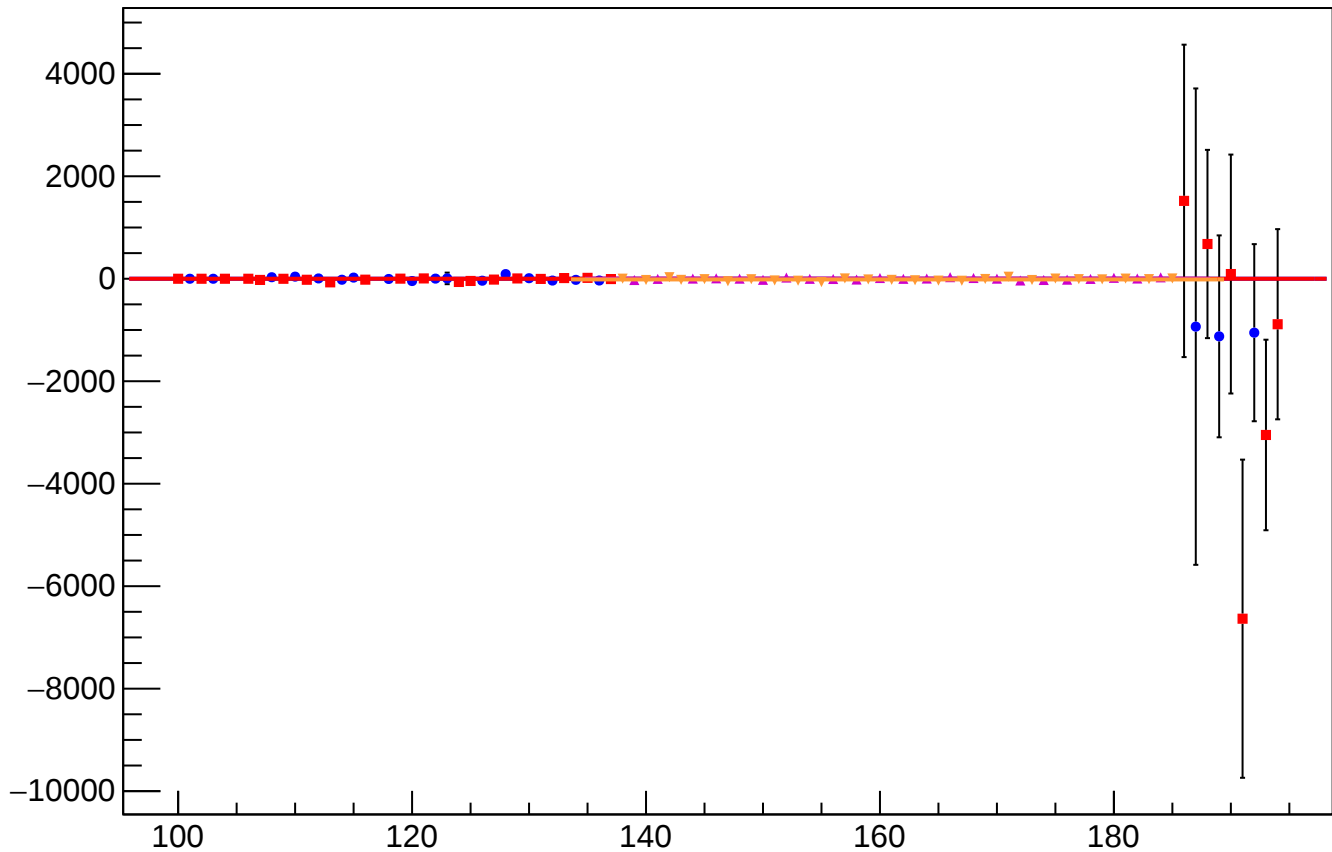
- sign -0.011 ± 0.436 χ^2/NDF : 50.2/47

diff_bpm1p03aY_rms vs Slug



Right In: 2074.221+/-0.636	χ^2/NDF : 5575145.2/19	+ sign 2183.478+/-0.325	χ^2/NDF : 7037463.3/44
Left Out: 2222.081+/-0.378	χ^2/NDF : 1422440.9/24	All: 2127.722+/-0.224	χ^2/NDF : 15566646.5/9
Right Out: 1906.652+/-0.522	χ^2/NDF : 6333518.7/24	- sign 2077.520+/-0.309	χ^2/NDF : 8473325.0/47
Left In: 2169.443+/-0.383	χ^2/NDF : 1974869.8/22		

diff_cav4bX_mean vs Slug



Right In: 0.013 $\pm$ 0.017 χ^2 /NDF: 17.3/19

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

Right Out: 0.003 $\pm$ 0.016 χ^2 /NDF: 23.4/24

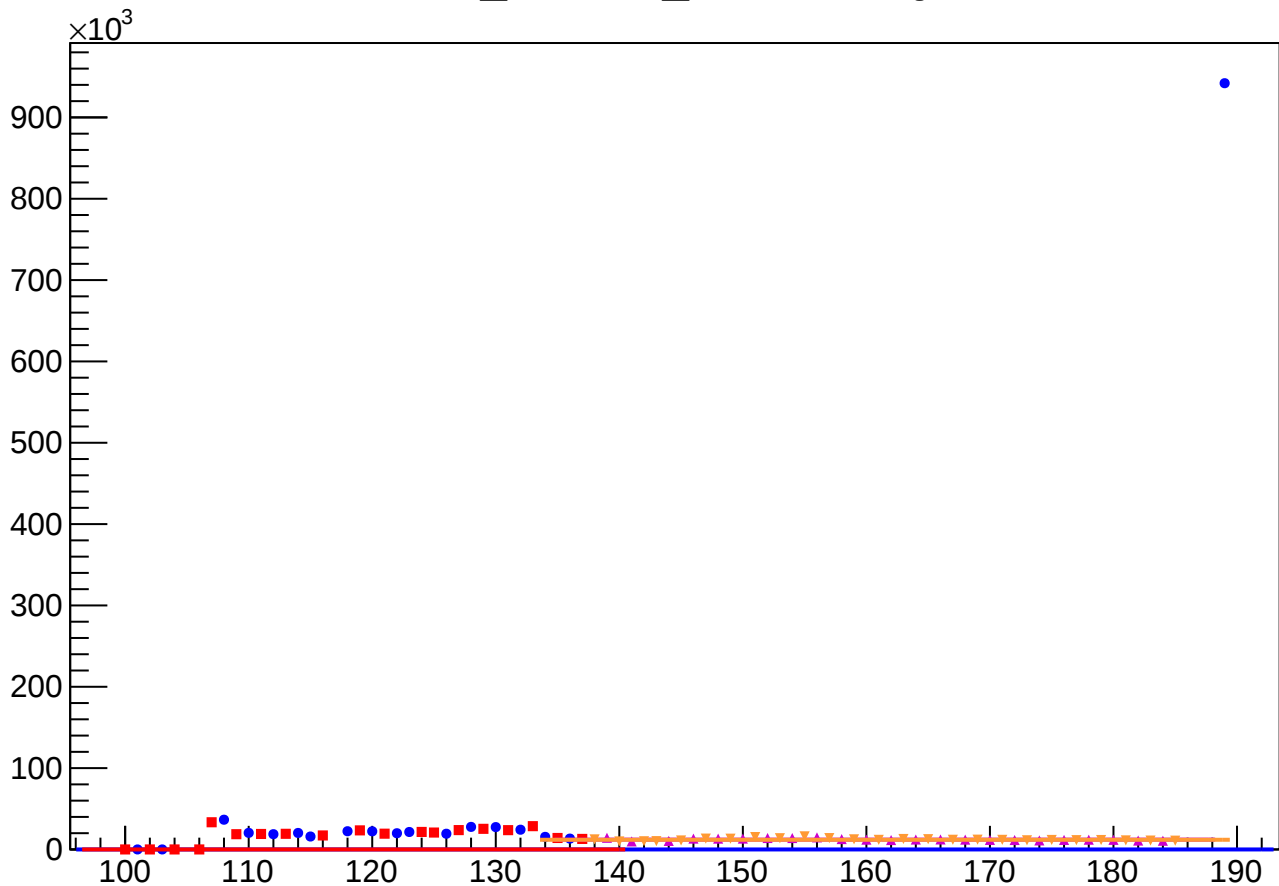
Left In: -0.459 $\pm$ 2.917 χ^2 /NDF: 29.0/22

+ sign 0.013 $\pm$ 0.017 χ^2 /NDF: 99.2/44

All: 0.008 $\pm$ 0.012 χ^2 /NDF: 151.8/92

- sign 0.003 $\pm$ 0.016 χ^2 /NDF: 52.4/47

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

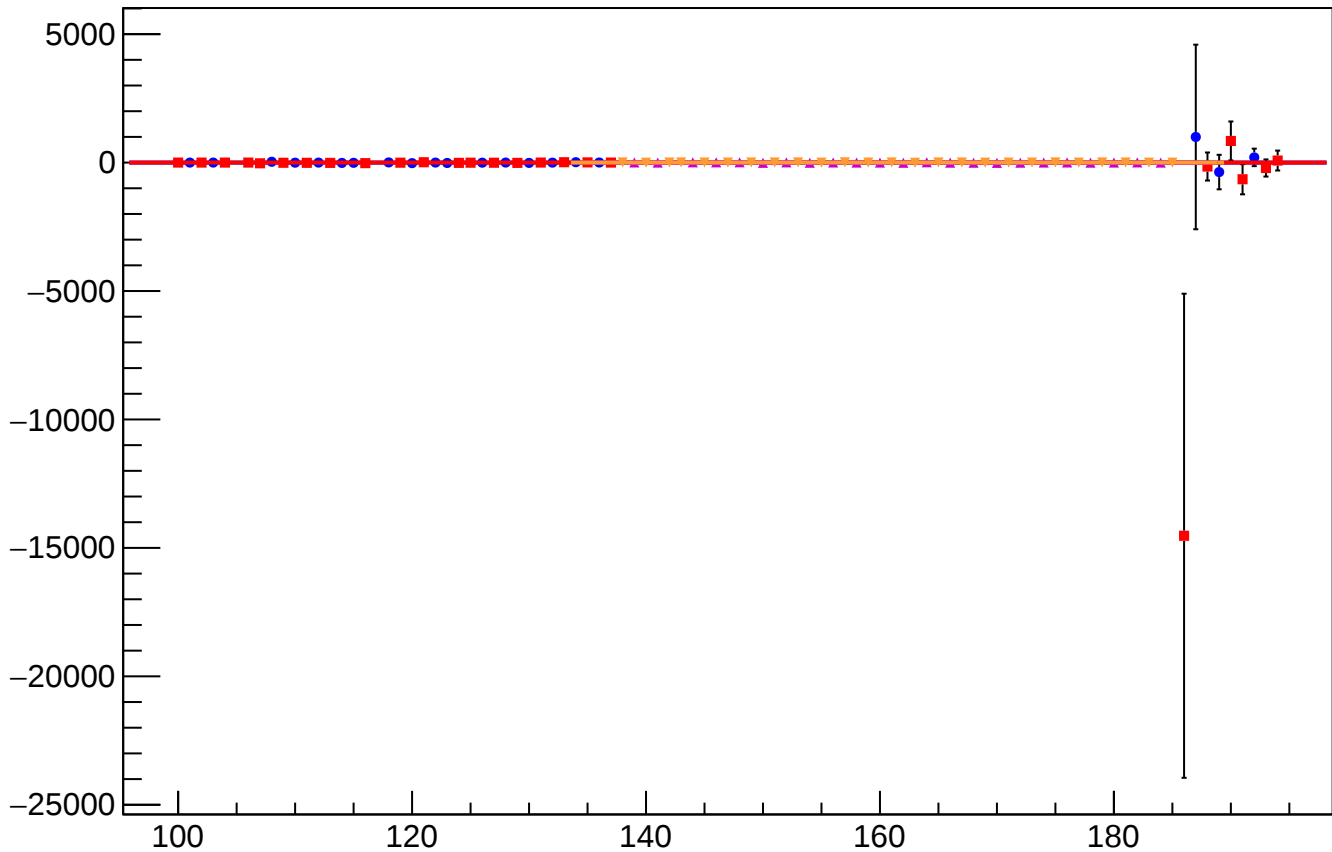
Left In: 12064.761 $\pm$ 2.062 χ^2 /NDF: 368452.5/22

+ 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: 13.6/19

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

Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 24.1/24

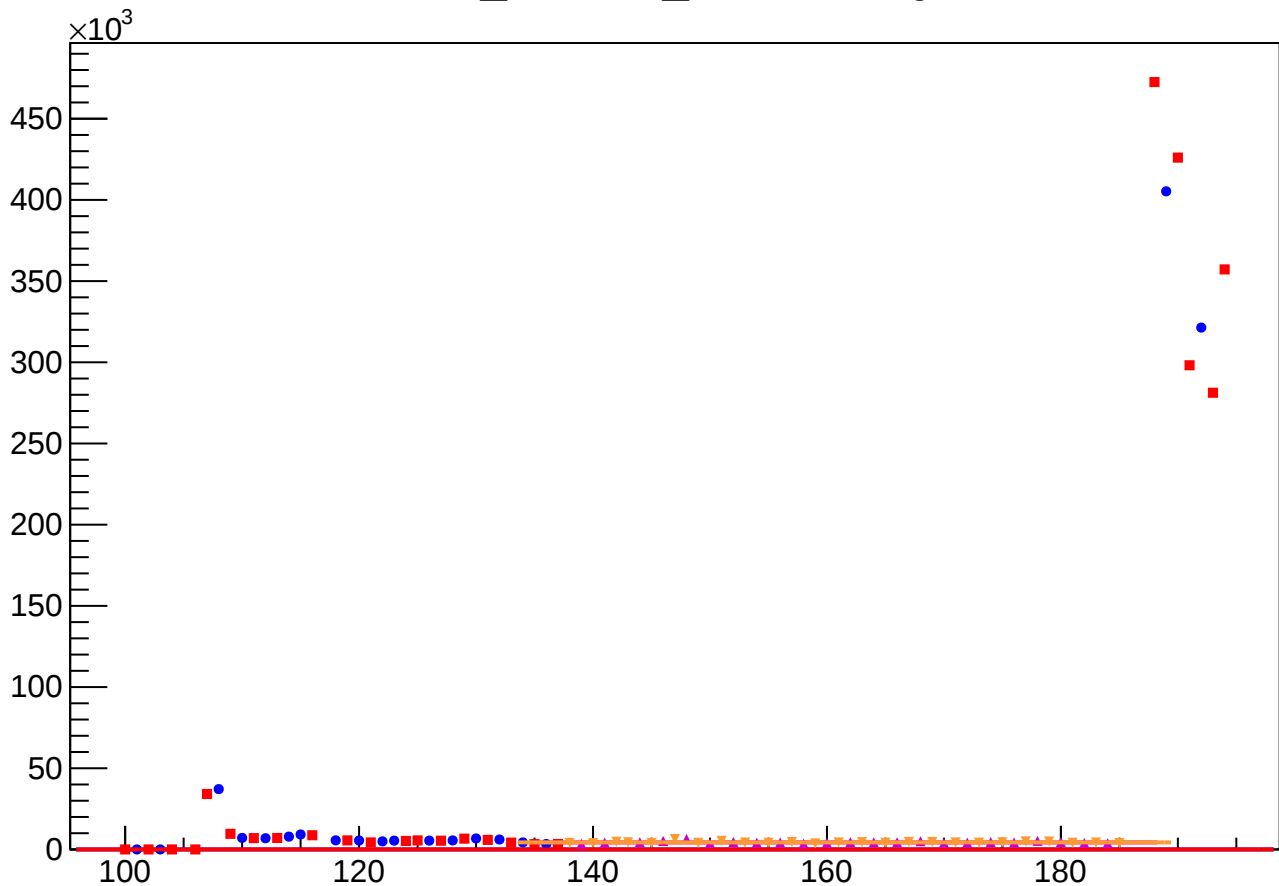
Left In: 0.939 $\pm$ 1.049 χ^2 /NDF:35.6/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 34.6/44

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 96.2/92

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 60.5/47

diff_cav4bY_rms vs Slug



Right In: 9.939 ± 0.007 χ^2/NDF : 13550966.6/18

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

Right Out: 9.855 ± 0.006 χ^2/NDF : 16860506.4/23

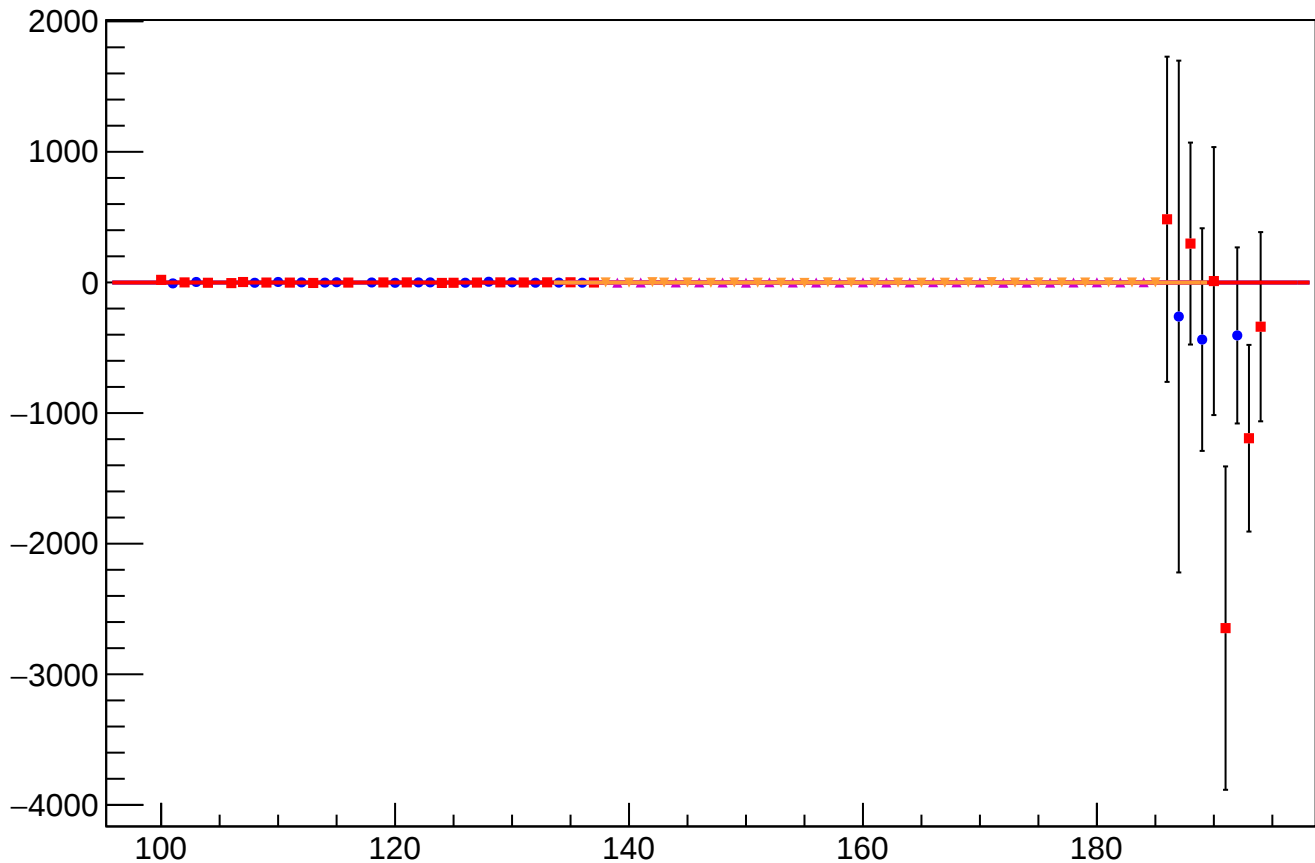
Left In: 4321.572 ± 0.741 χ^2/NDF : 514603.2/22

+ sign 10.291 ± 0.007 χ^2/NDF : 49978390.9/43

All: 10.215 ± 0.004 χ^2/NDF : 101172522.2/90

- sign 10.148 ± 0.006 χ^2/NDF : 51193876.5/46

diff_cav4cX_mean vs Slug



Right In: -0.714 ± 0.483 χ^2/NDF : 23.3/19

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

Right Out: -0.639 ± 0.501 χ^2/NDF : 20.9/24

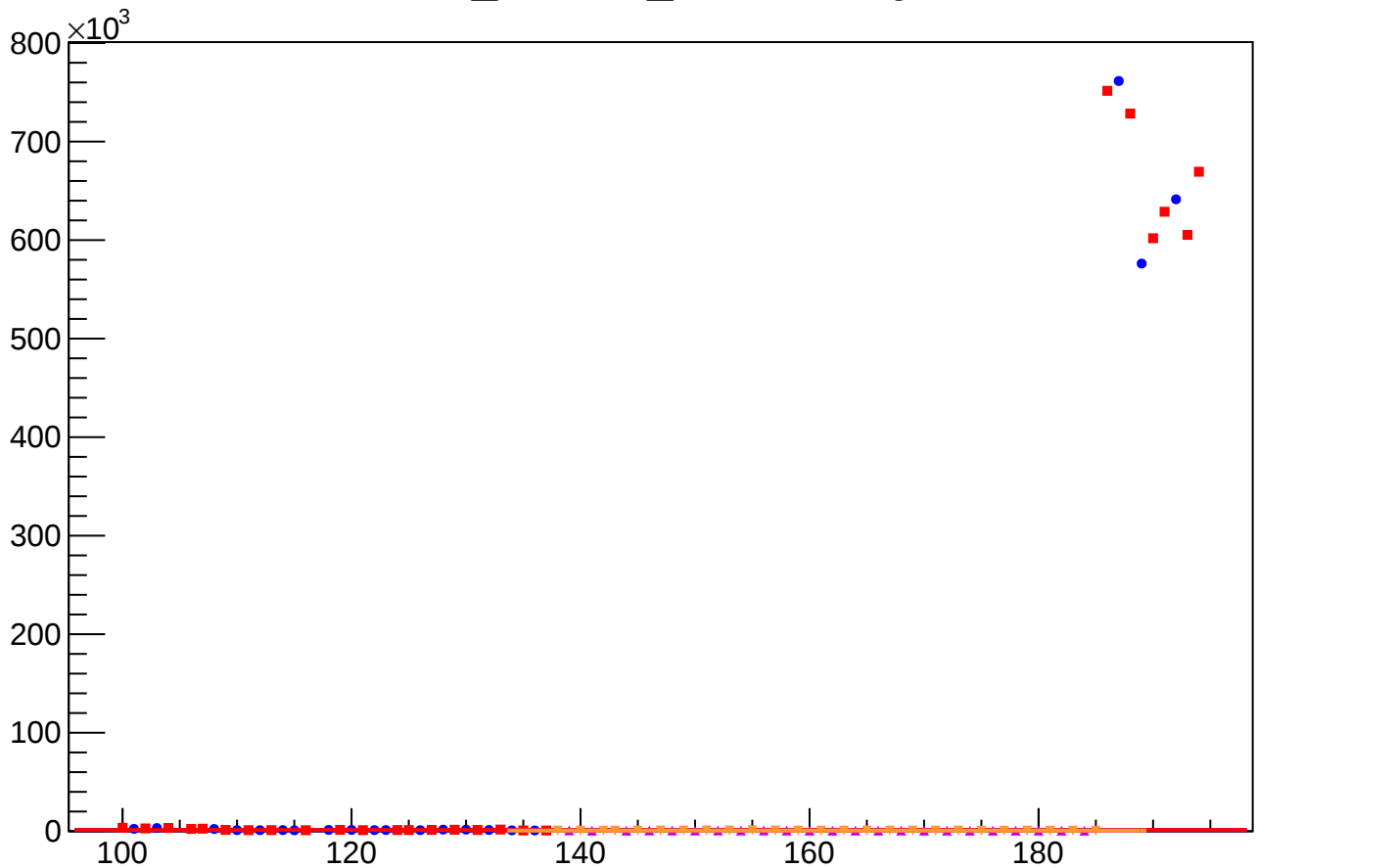
Left In: -0.018 ± 0.171 χ^2/NDF : 29.4/22

+ sign -0.769 ± 0.156 χ^2/NDF : 81.9/44

All: -0.438 ± 0.112 χ^2/NDF : 142.9/92

- sign -0.083 ± 0.162 χ^2/NDF : 51.7/47

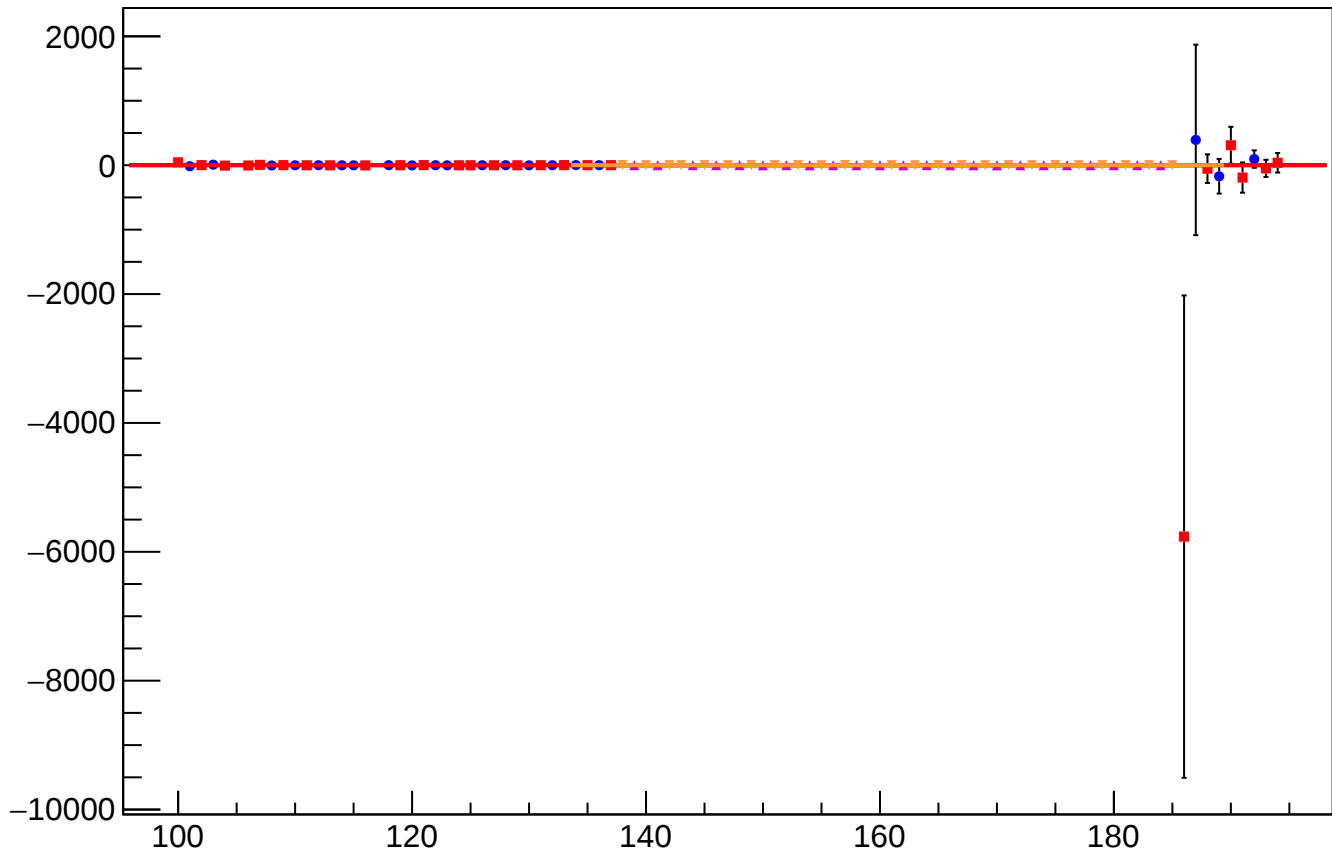
diff_cav4cX_rms vs Slug



Right In: 1167.681 $\pm$ 0.342 χ^2 /NDF: 4596391.8/19
 Left Out: 700.984 $\pm$ 0.116 χ^2 /NDF: 392855.4/24
 Right Out: 1249.201 $\pm$ 0.355 χ^2 /NDF: 8446890.9/24
 Left In: 706.971 $\pm$ 0.121 χ^2 /NDF: 332011.4/22

+ sign 749.510 $\pm$ 0.110 χ^2 /NDF: 6661508.5/44
 All: 756.160 $\pm$ 0.079 χ^2 /NDF: 17543249.4/92
 - sign 763.321 $\pm$ 0.114 χ^2 /NDF: 10874172.1/47

diff_cav4cY_mean vs Slug



Right In: -0.060 ± 0.269 χ^2/NDF : 20.1/19

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

Right Out: 0.280 ± 0.264 χ^2/NDF : 25.0/24

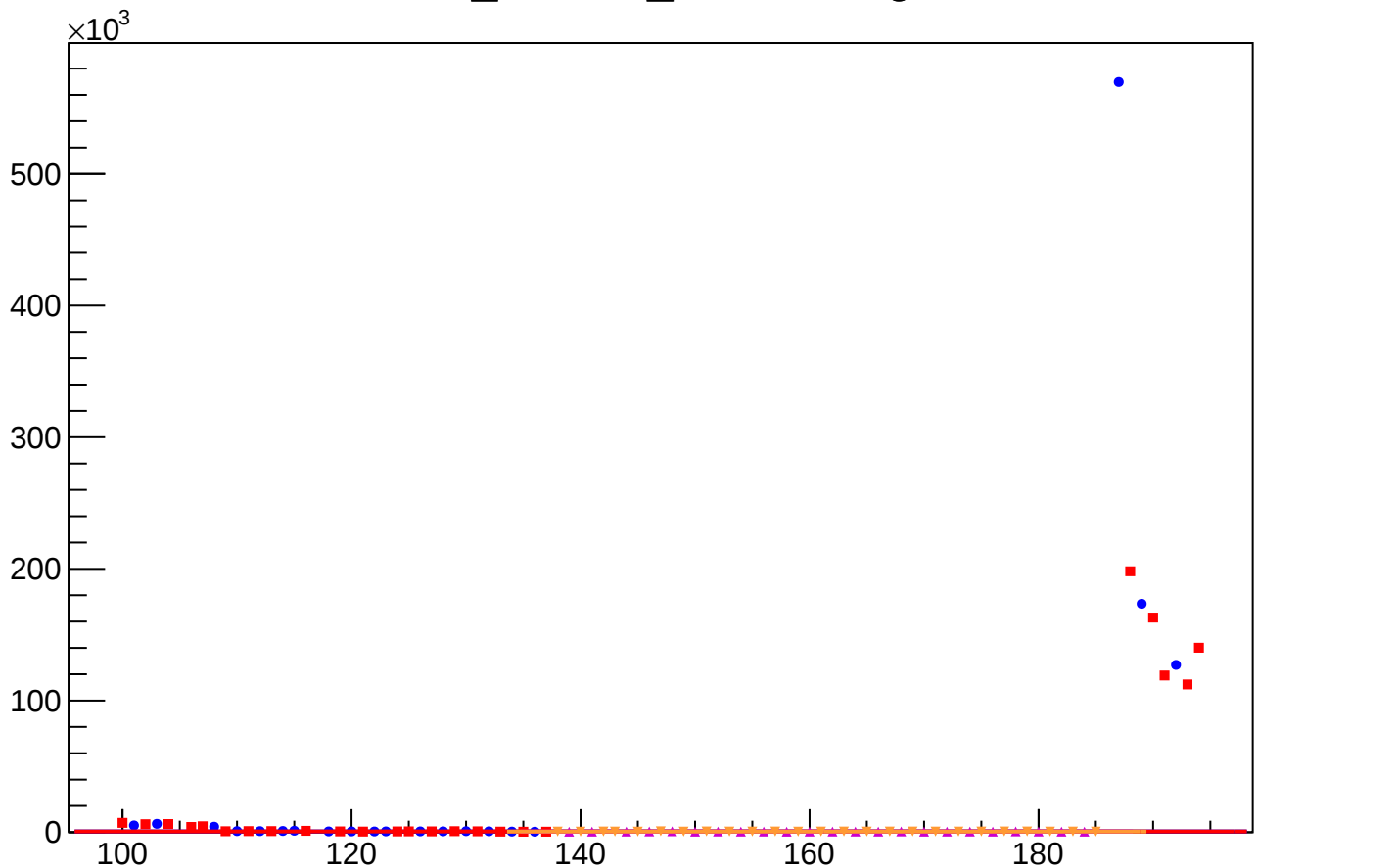
Left In: 0.126 ± 0.126 χ^2/NDF : 35.0/22

+ sign 0.183 ± 0.112 χ^2/NDF : 39.1/44

All: 0.169 ± 0.080 χ^2/NDF : 99.3/92

- sign 0.154 ± 0.114 χ^2/NDF : 60.2/47

diff_cav4cY_rms vs Slug



Right In: 610.079 $\pm$ 0.190 χ^2 /NDF: 6012099.3/19

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

Right Out: 600.253 $\pm$ 0.187 χ^2 /NDF: 9383107.8/23

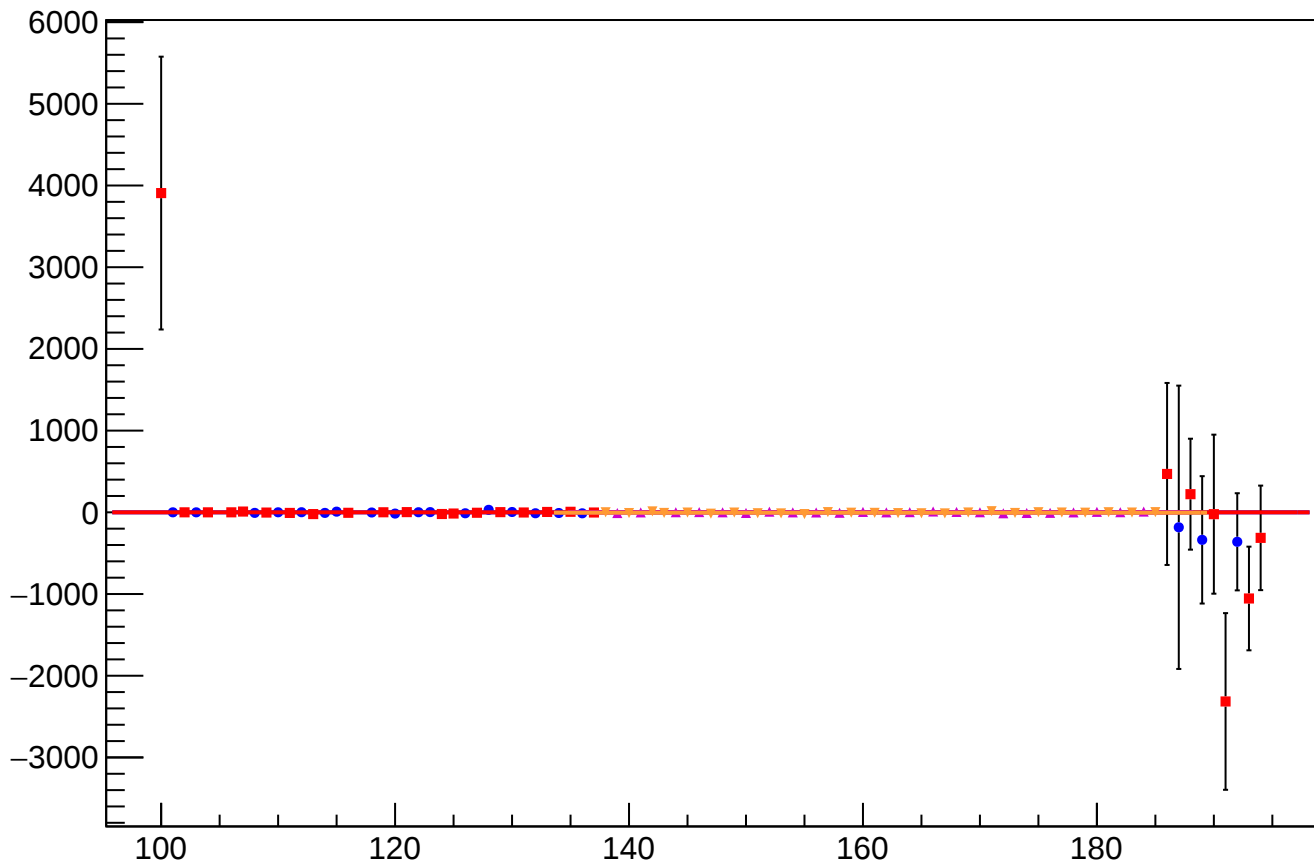
Left In: 520.700 $\pm$ 0.089 χ^2 /NDF:427720.5/22

+ sign 537.332 $\pm$ 0.079 χ^2 /NDF: 6519162.4/44

All: 536.410 $\pm$ 0.056 χ^2 /NDF: 16477740.5/93

- sign 535.449 $\pm$ 0.081 χ^2 /NDF: 9958298.9/46

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 16.5/19

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

Right Out: -0.027 ± 0.020 χ^2/NDF : 25.3/24

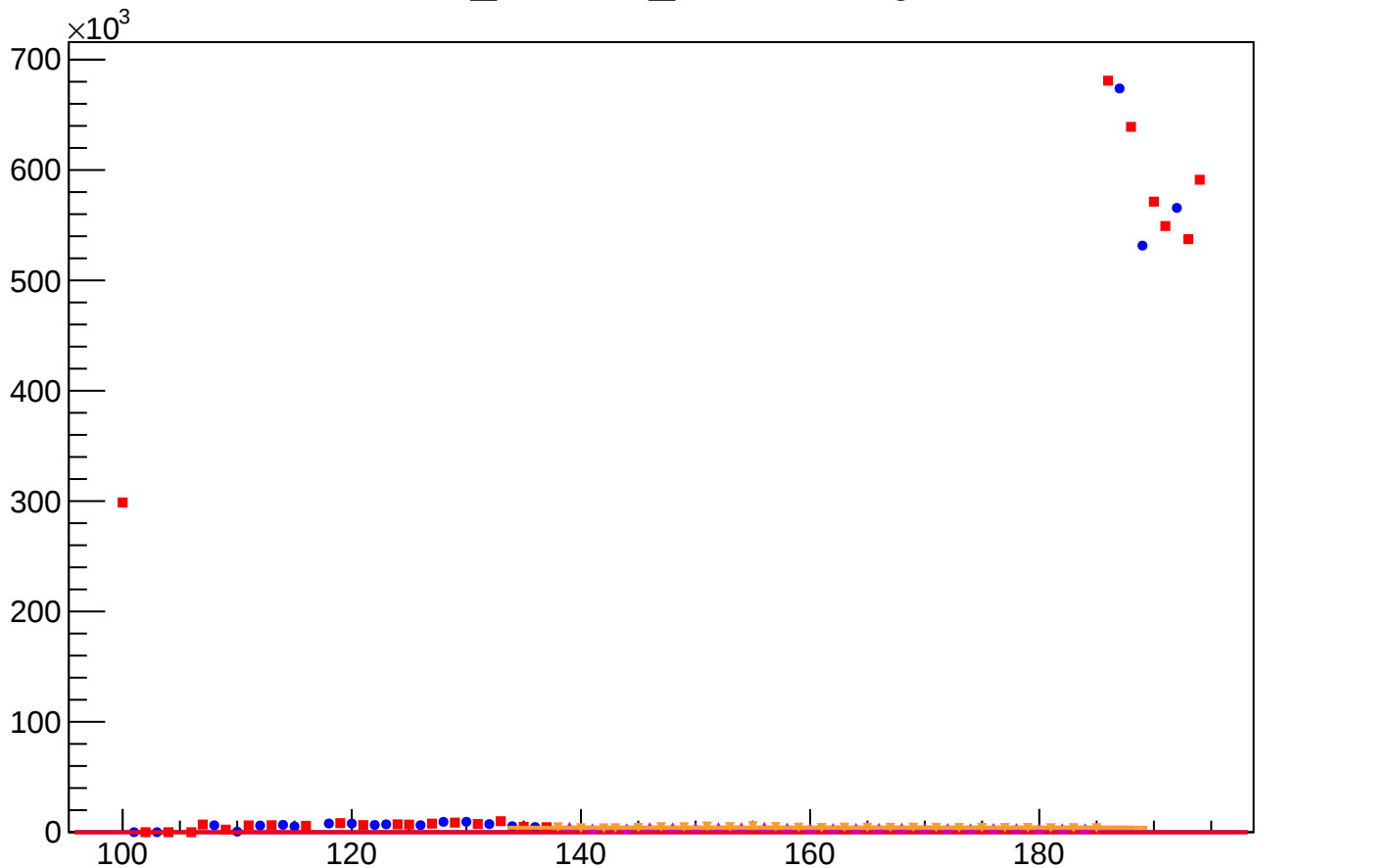
Left In: -0.183 ± 0.994 χ^2/NDF : 29.5/22

+ sign -0.024 ± 0.021 χ^2/NDF : 96.6/44

All: -0.025 ± 0.014 χ^2/NDF : 151.5/92

- sign -0.027 ± 0.020 χ^2/NDF : 54.8/47

diff_cav4dX_rms vs Slug



Right In: 17.340 $\pm$ 0.015 χ^2 /NDF: 13500196.5/19

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

Right Out: 17.270 $\pm$ 0.014 χ^2 /NDF: 17634392.1/24

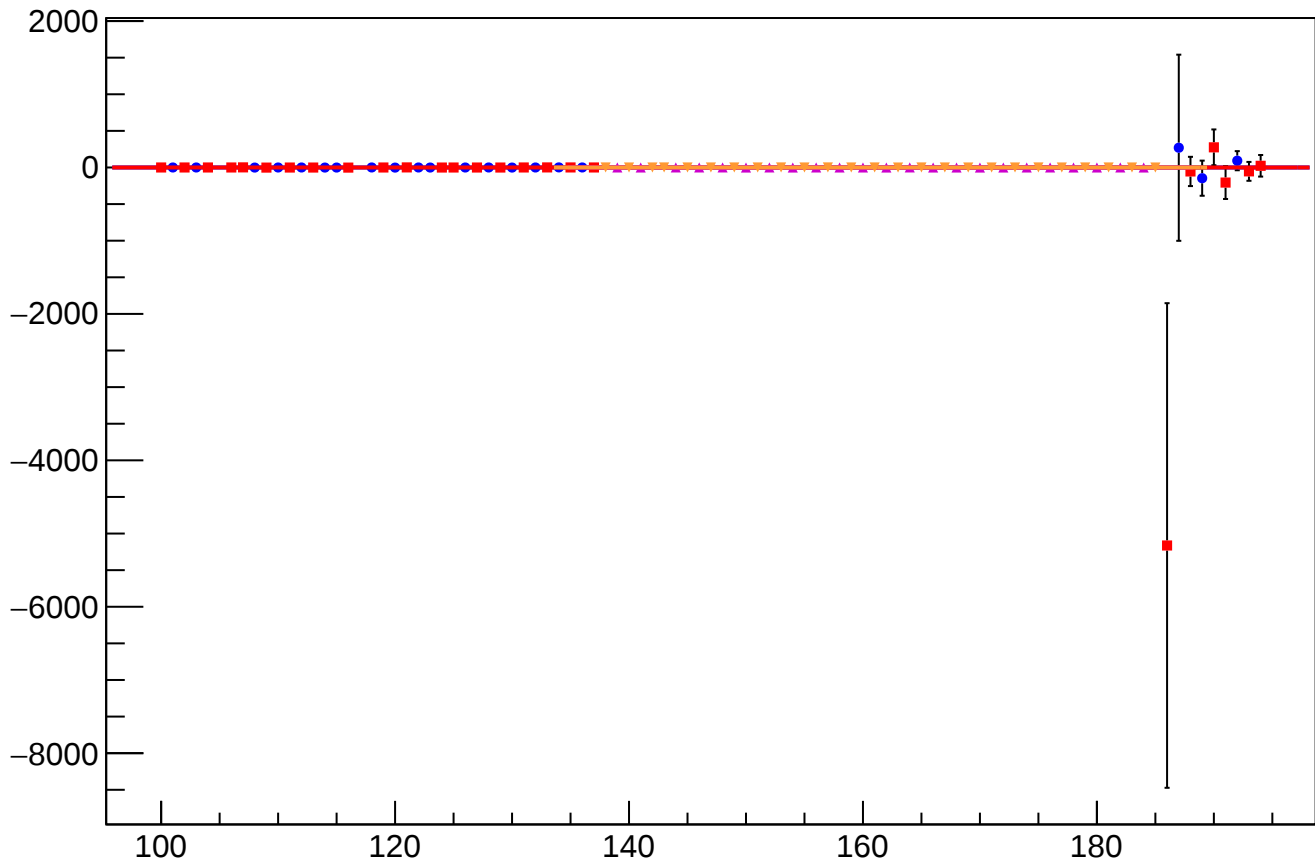
Left In: 4113.993 $\pm$ 0.703 χ^2 /NDF: 349160.6/22

+ sign 19.255 $\pm$ 0.015 χ^2 /NDF: 49850344.6/44

All: 19.064 $\pm$ 0.010 χ^2 /NDF: 101790165.8/92

- sign 18.891 $\pm$ 0.014 χ^2 /NDF: 51939498.8/47

diff_cav4dY_mean vs Slug



Right In: 0.000 ± 0.002 χ^2/NDF : 14.5/19

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

Right Out: 0.001 ± 0.002 χ^2/NDF : 23.0/24

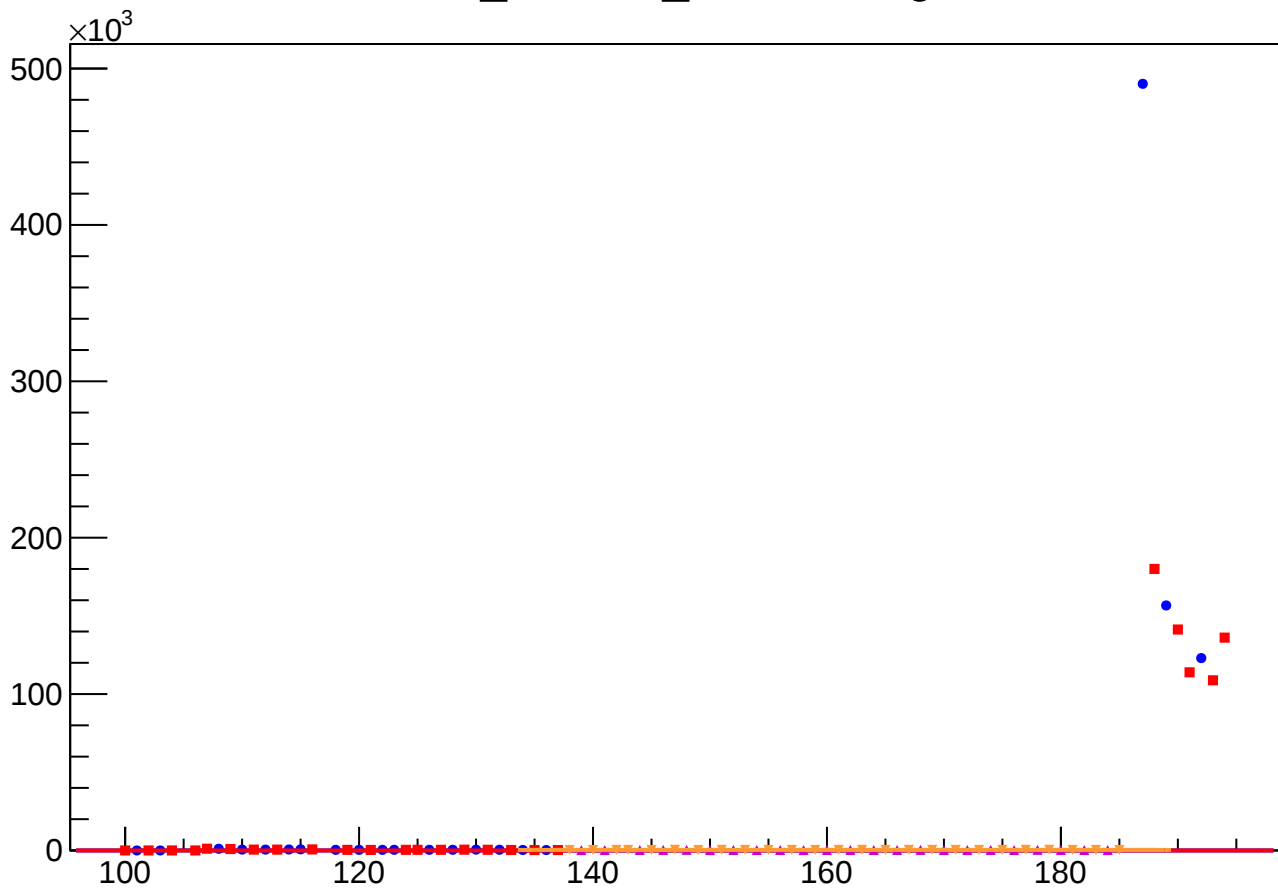
Left In: 0.080 ± 0.079 χ^2/NDF : 34.6/22

+ sign 0.000 ± 0.002 χ^2/NDF : 35.6/44

All: 0.001 ± 0.001 χ^2/NDF : 94.3/92

- sign 0.001 ± 0.002 χ^2/NDF : 58.6/47

diff_cav4dY_rms vs Slug



Right In: 1.699 $\pm$ 0.001 χ^2 /NDF: 13931483.0/19

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

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 16635268.2/23

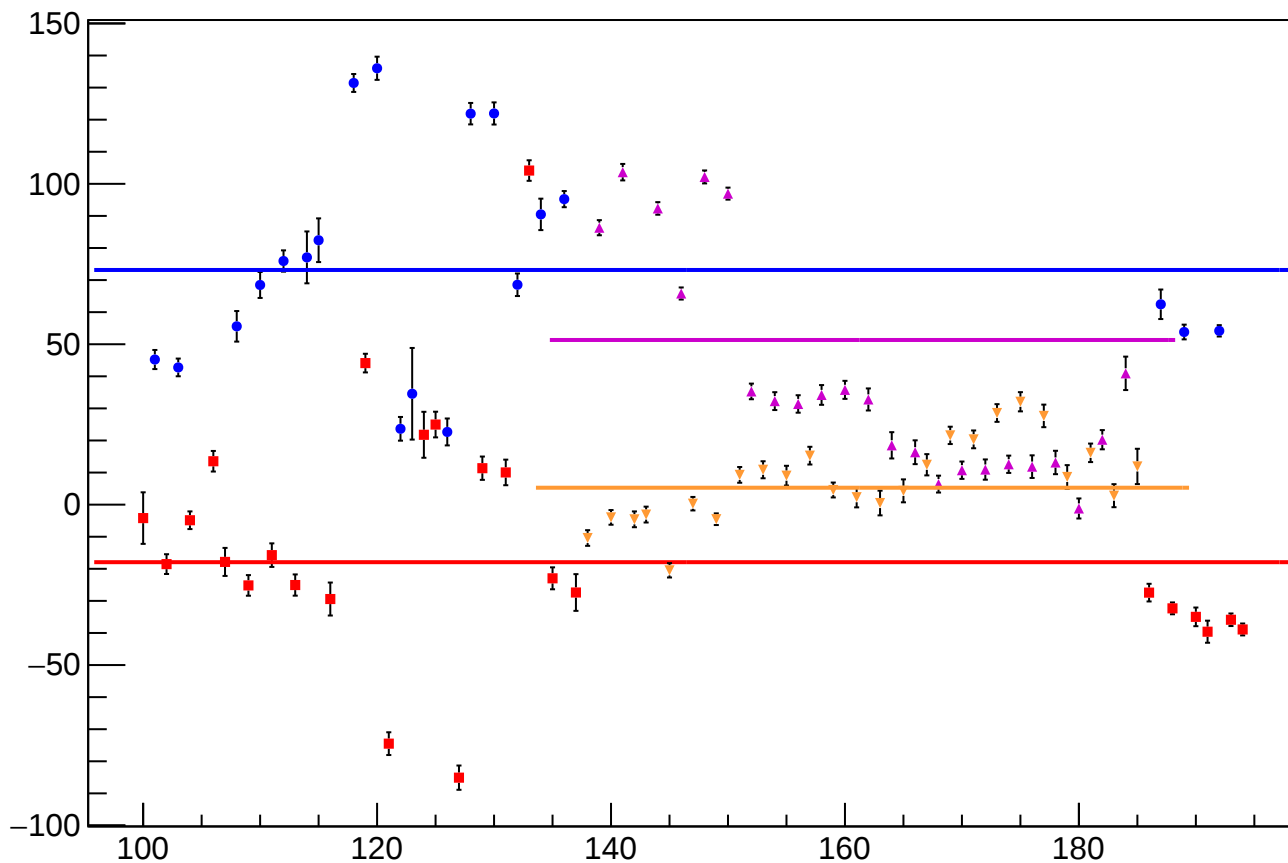
Left In: 325.626 $\pm$ 0.056 χ^2 /NDF: 413350.0/22

+ sign 1.926 $\pm$ 0.001 χ^2 /NDF: 50143382.4/44

All: 1.925 $\pm$ 0.001 χ^2 /NDF: 100916567.1/91

- sign 1.924 $\pm$ 0.001 χ^2 /NDF: 50773183.4/46

diff_bpm0i01X_mean vs Slug



Right In: 73.149 ± 0.740 χ^2/NDF : 1991.2/19

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

Right Out: -17.935 ± 0.622 χ^2/NDF : 3238.5/24

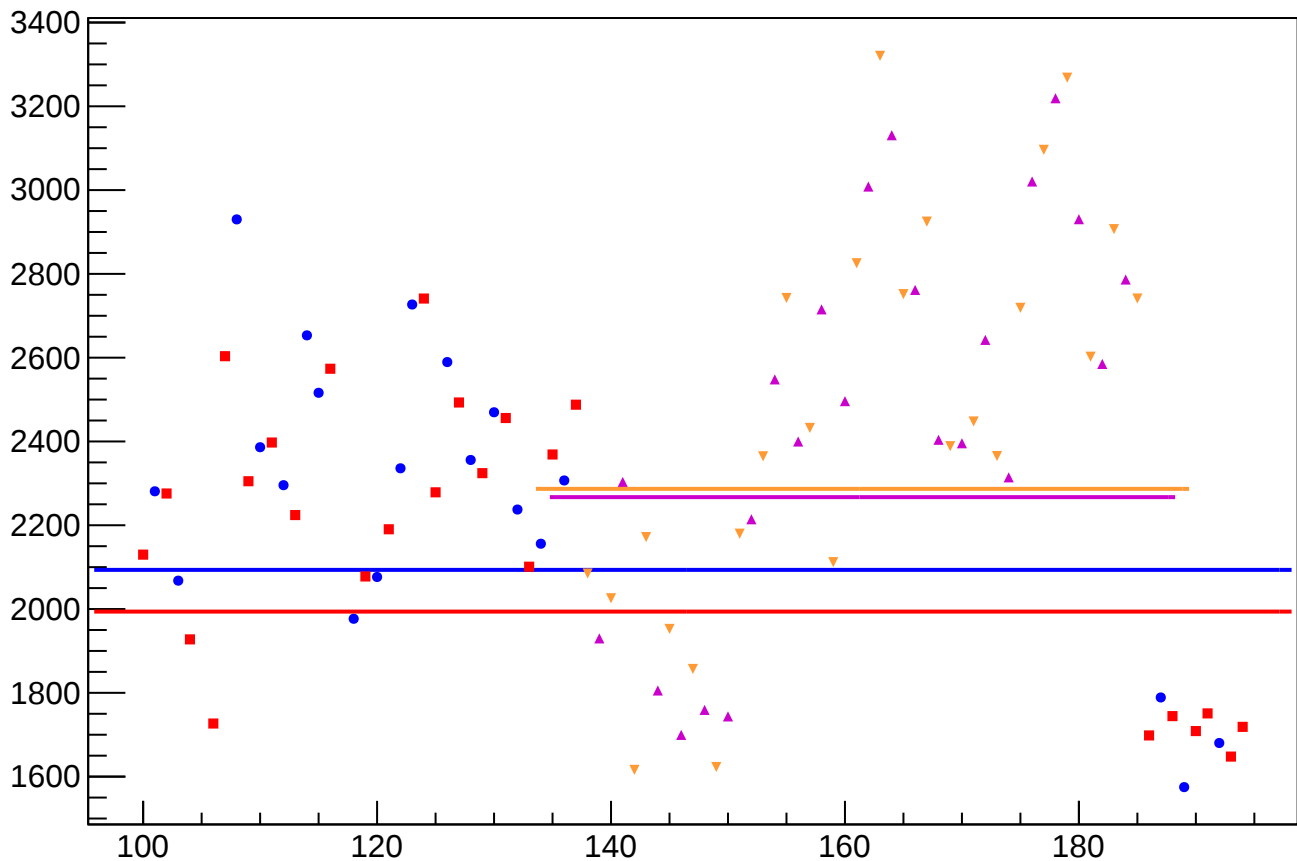
Left In: 51.328 ± 0.558 χ^2/NDF : 4257.8/22

+ sign 29.095 ± 0.438 χ^2/NDF : 8006.8/44

All: 24.533 ± 0.302 χ^2/NDF : 22572.4/92

- sign -20.433 ± 0.416 χ^2/NDF : 14360.0/47

diff_bpm0i01X_rms vs Slug



Right In: 2093.484 $\pm$ 0.523 χ^2 /NDF: 422521.3/19

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

Right Out: 1993.916 $\pm$ 0.440 χ^2 /NDF: 503579.5/24

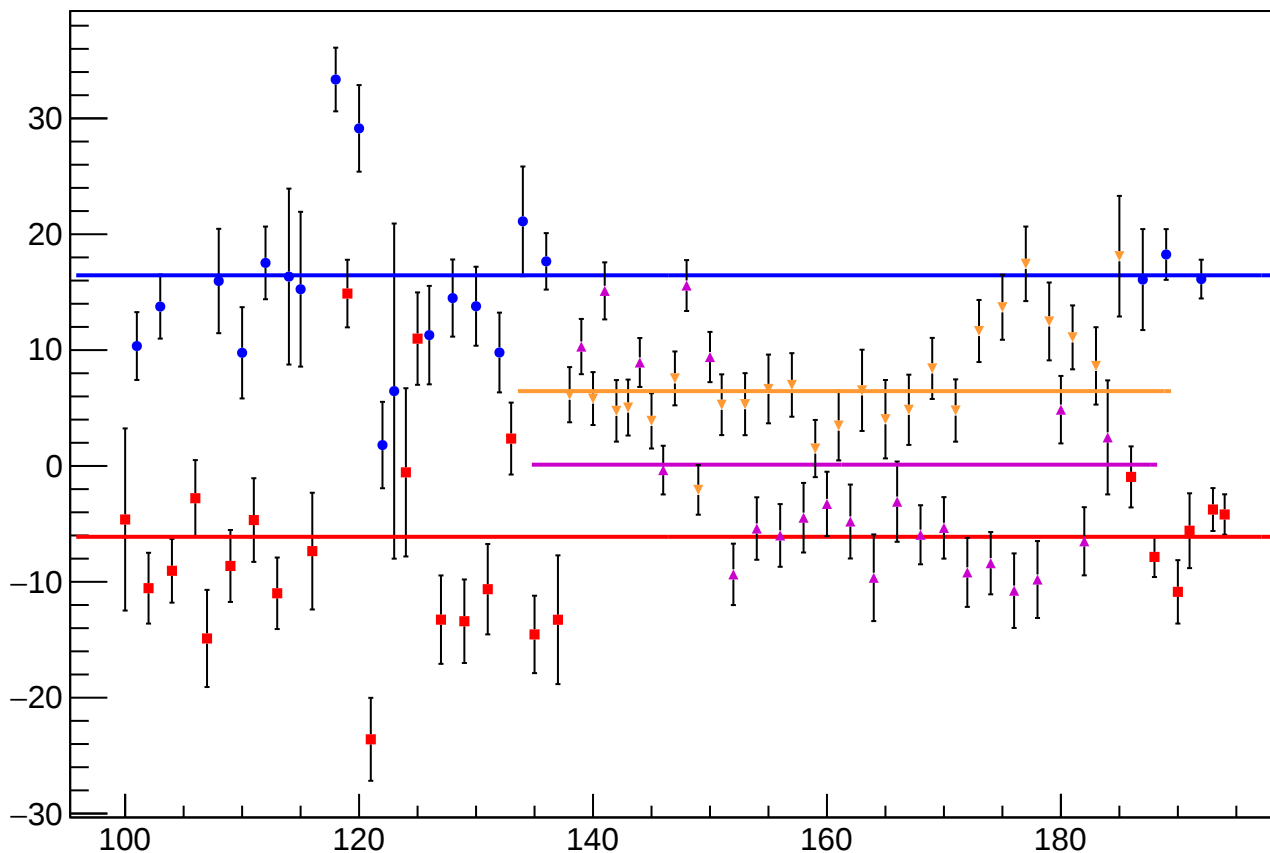
Left In: 2267.097 $\pm$ 0.395 χ^2 /NDF:1313364.4/22

+ sign 2219.005 $\pm$ 0.310 χ^2 /NDF: 1871652.6/44

All: 2180.154 $\pm$ 0.213 χ^2 /NDF: 3931962.7/92

- sign 2145.246 $\pm$ 0.294 χ^2 /NDF: 2030491.3/47

diff_bpm0i01Y_mean vs Slug



Right In: 16.455 $\pm$ 0.720 χ^2 /NDF: 81.7/19

Left Out: 6.458 $\pm$ 0.548 χ^2 /NDF:58.7/24

Right Out: -6.116 $\pm$ 0.601 χ^2 /NDF: 141.8/24

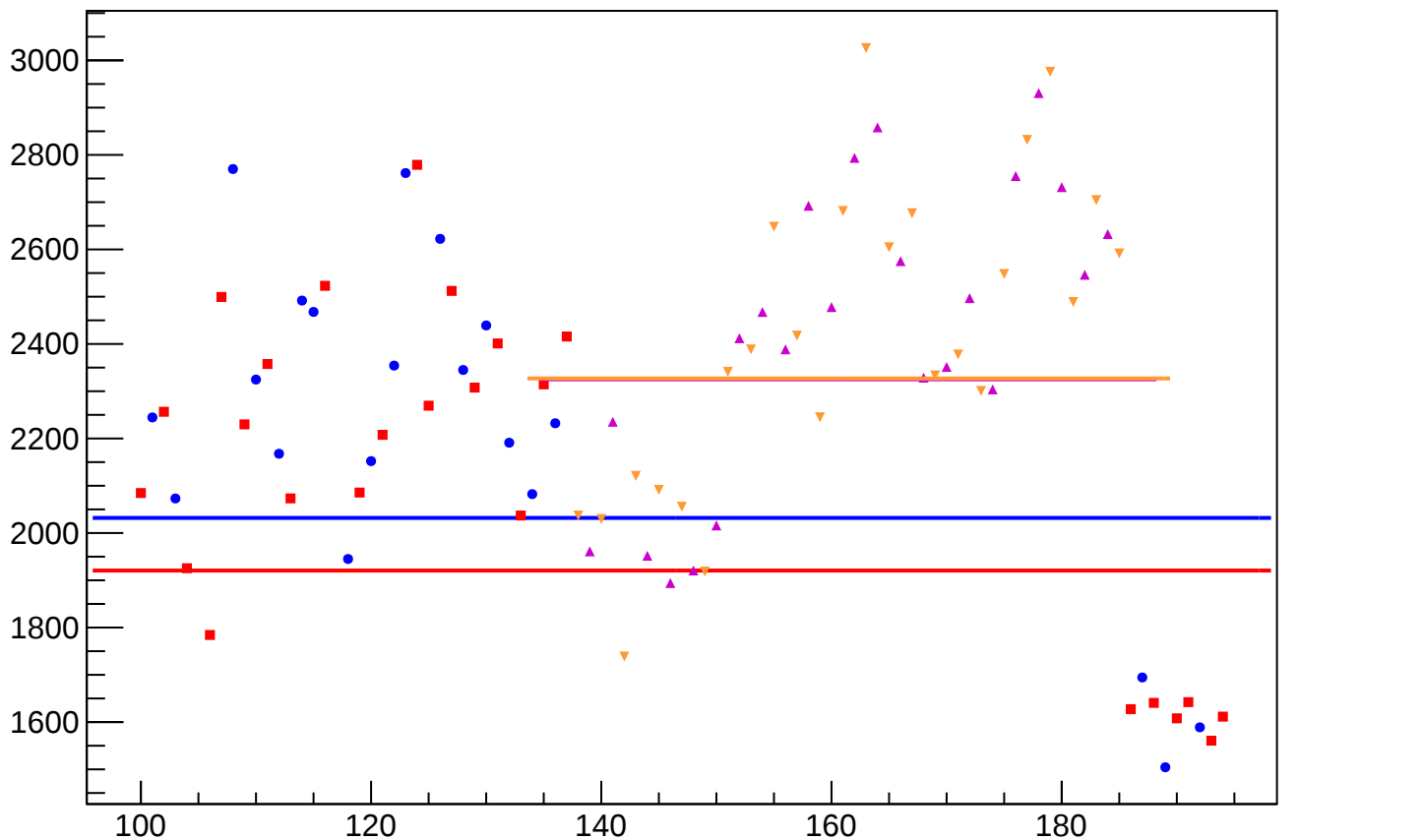
Left In: 0.110 $\pm$ 0.565 χ^2 /NDF:234.6/22

+ sign 10.124 $\pm$ 0.436 χ^2 /NDF: 262.7/44

All: 3.287 $\pm$ 0.299 χ^2 /NDF: 1161.8/92

- sign -2.813 $\pm$ 0.412 χ^2 /NDF: 433.4/47

diff_bpm0i01Y_rms vs Slug



Right In: 2031.951 $\pm$ 0.509 χ^2 /NDF: 490676.8/19

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

Right Out: 1920.597 $\pm$ 0.425 χ^2 /NDF: 616146.3/24

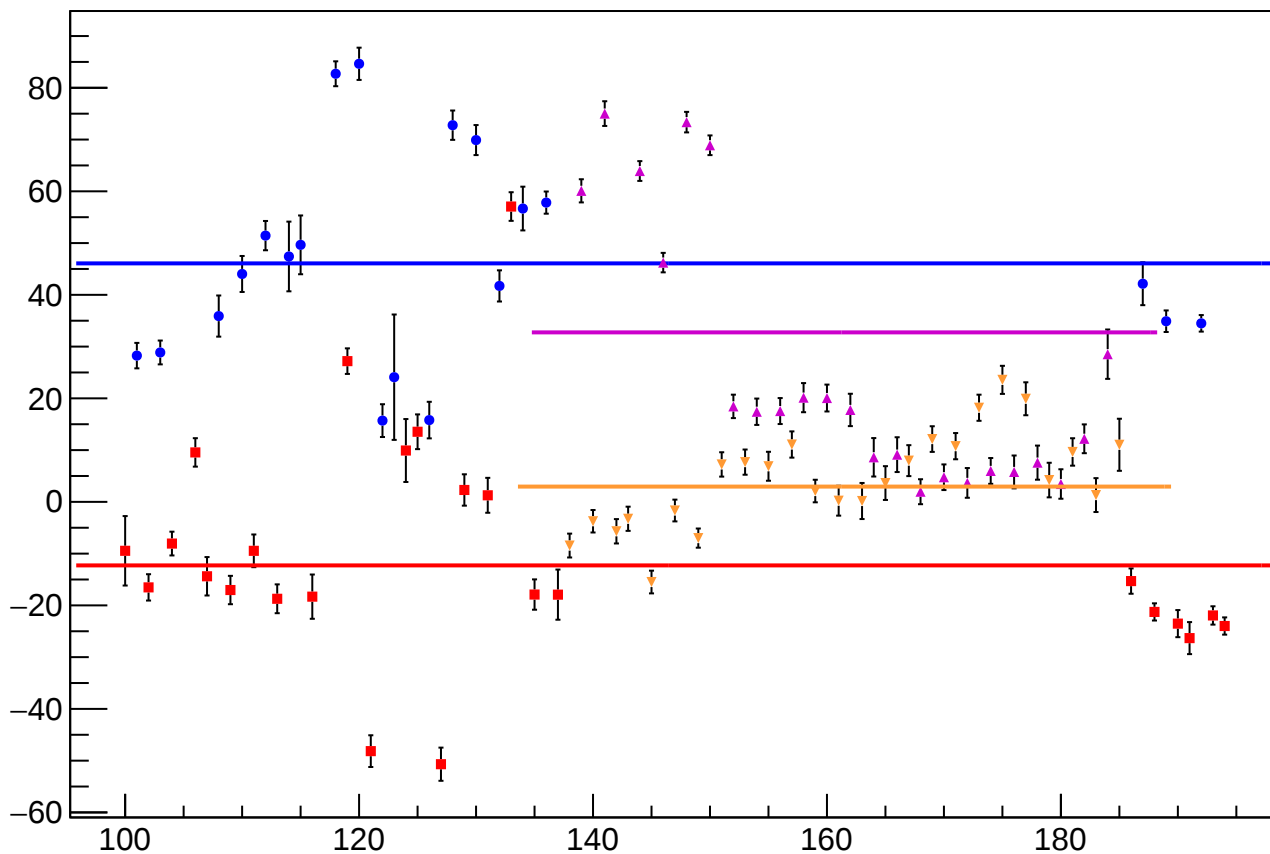
Left In: 2325.175 $\pm$ 0.400 χ^2 /NDF: 610729.2/22

+ sign 2218.850 $\pm$ 0.308 χ^2 /NDF: 1350359.7/44

All: 2174.662 $\pm$ 0.212 χ^2 /NDF: 3097346.1/92

- sign 2135.231 $\pm$ 0.291 χ^2 /NDF: 1708070.3/47

diff_bpm0i01aX_mean vs Slug



Right In: 46.076 ± 0.639 χ^2/NDF : 950.3/19

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

Right Out: -12.276 ± 0.541 χ^2/NDF : 1511.1/24

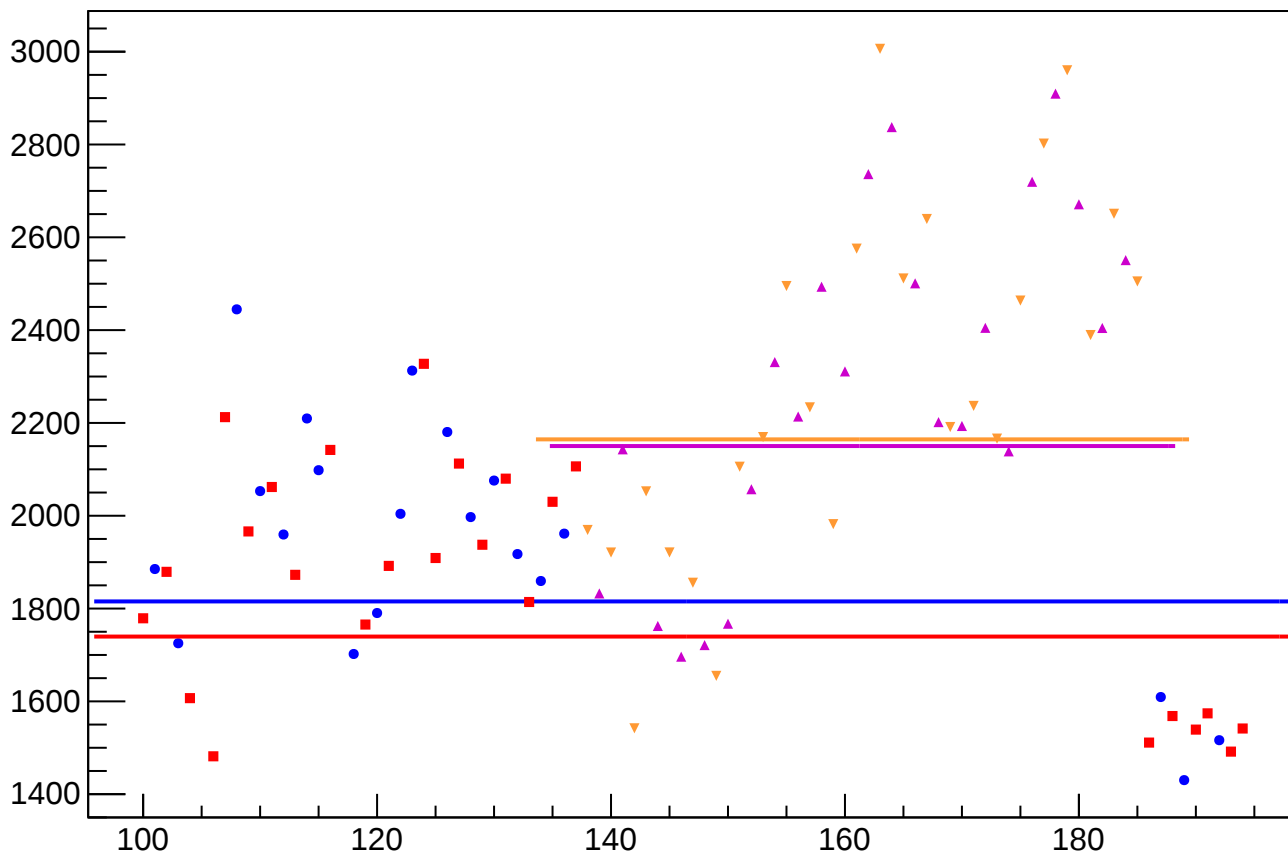
Left In: 32.745 ± 0.526 χ^2/NDF : 2632.5/22

+ sign 19.809 ± 0.400 χ^2/NDF : 4061.9/44

All: 15.076 ± 0.274 χ^2/NDF : 12030.6/92

- sign 10.859 ± 0.377 χ^2/NDF : 7703.3/47

diff_bpm0i01aX_rms vs Slug



Right In: 1815.353+/-0.452 χ^2/NDF : 297088.3/19

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

Right Out: 1739.638+/-0.382 χ^2/NDF : 360676.9/24

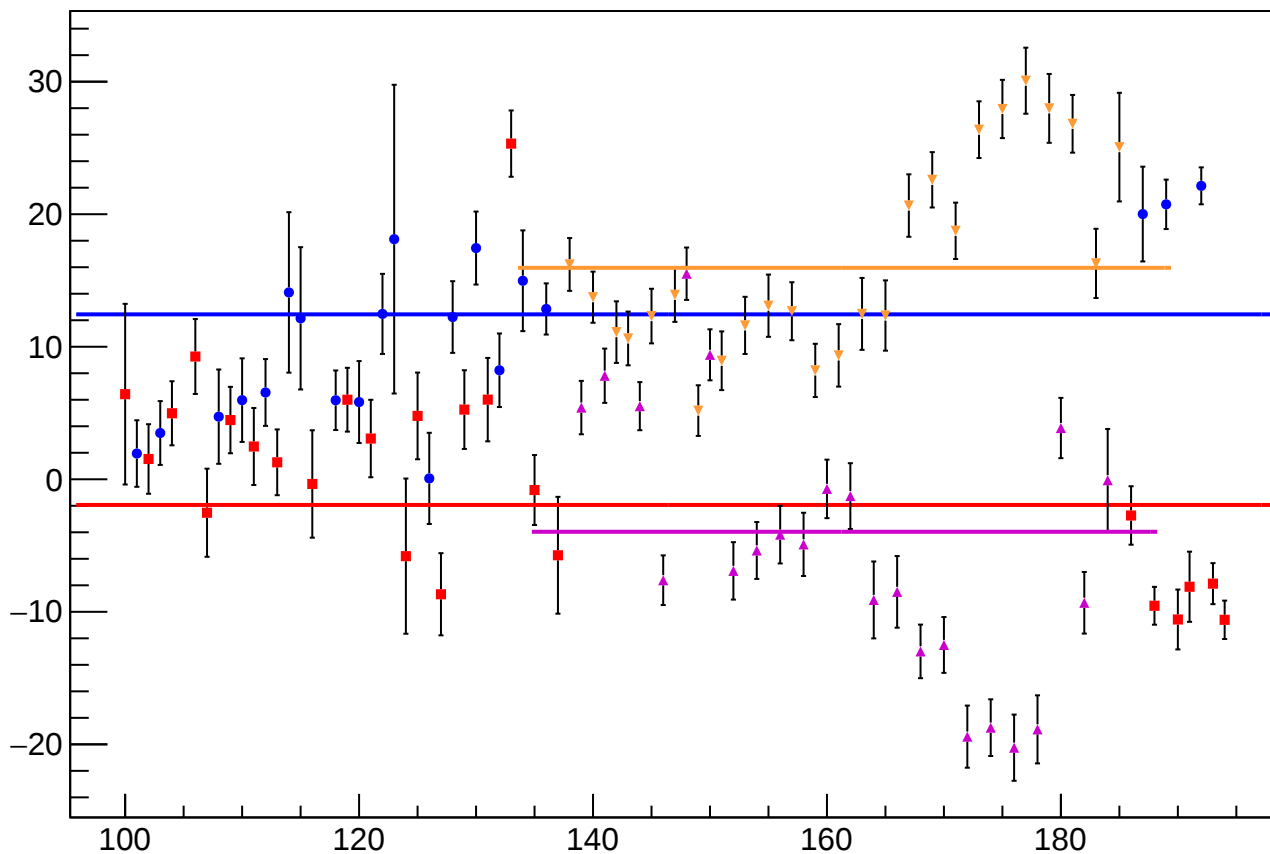
Left In: 2150.190+/-0.372 χ^2/NDF : 911849.7/22

+ sign 2028.068+/-0.283 χ^2/NDF : 1626494.6/44

All: 1987.105+/-0.194 χ^2/NDF : 3530818.3/92

- sign 1950.606+/-0.267 χ^2/NDF : 1864568.8/47

diff_bpm0i01aY_mean vs Slug



Right In: 12.444 $\pm$ 0.592 χ^2 /NDF: 150.7/19

Left Out: 15.956 $\pm$ 0.447 χ^2 /NDF: 245.2/24

Right Out: -1.937 $\pm$ 0.496 χ^2 /NDF: 292.2/24

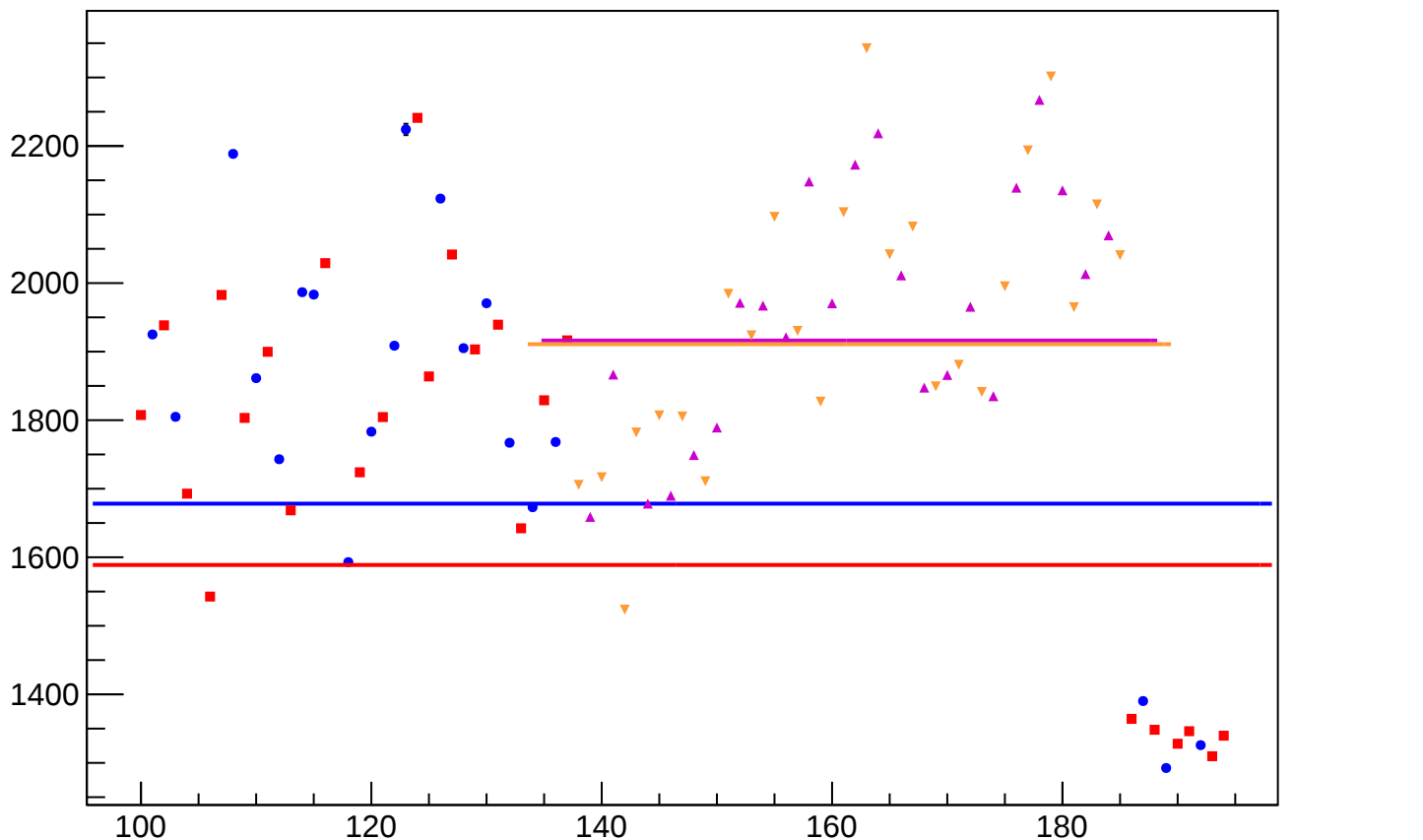
Left In: -3.960 $\pm$ 0.463 χ^2 /NDF: 464.9/22

+ sign 14.680 $\pm$ 0.357 χ^2 /NDF: 418.3/44

All: 5.355 $\pm$ 0.246 χ^2 /NDF: 2479.1/92

- sign -3.018 $\pm$ 0.338 χ^2 /NDF: 766.0/47

diff_bpm0i01aY_rms vs Slug



Right In: 1678.209 $\pm$ 0.419 χ^2 /NDF: 409805.9/19

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

Right Out: 1588.756 $\pm$ 0.350 χ^2 /NDF: 552998.1/24

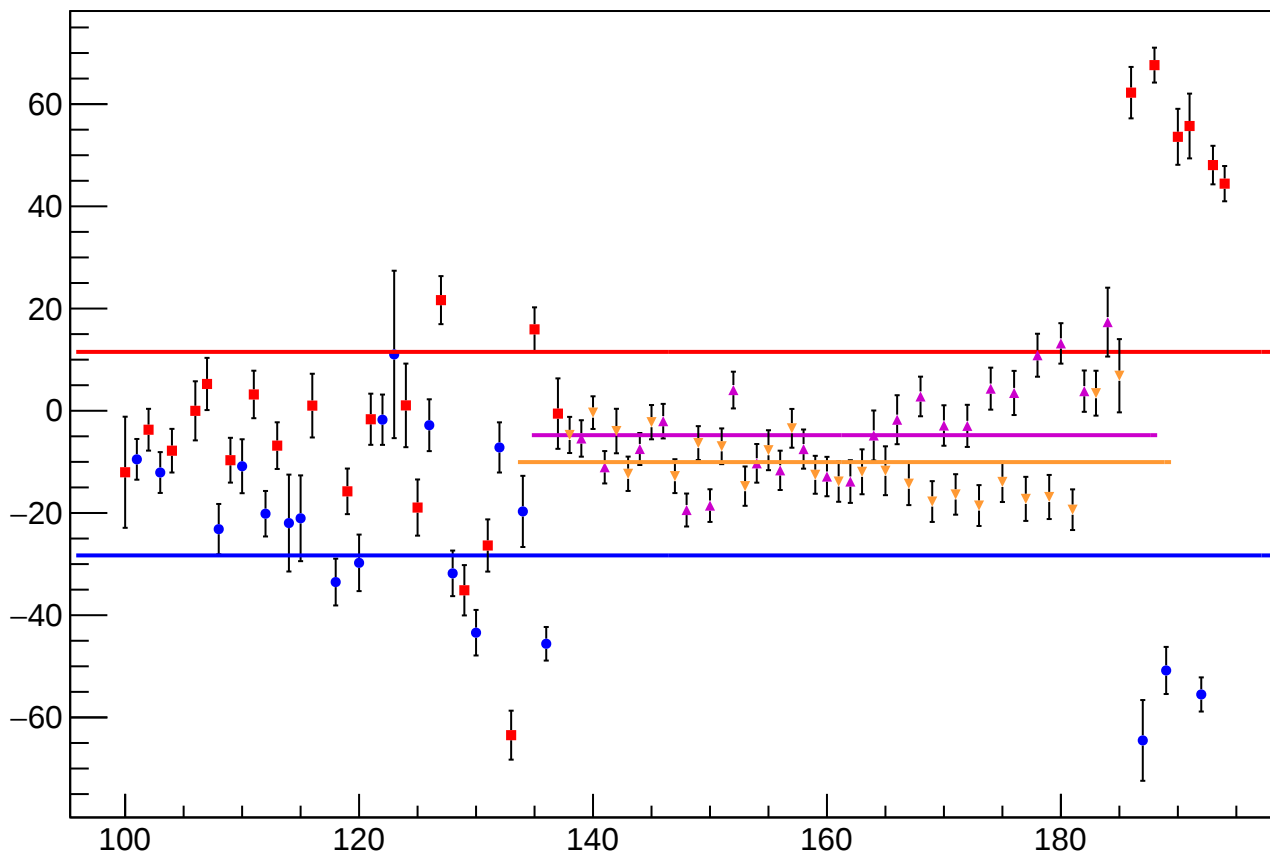
Left In: 1916.159 $\pm$ 0.327 χ^2 /NDF: 274285.3/22

+ sign 1826.328 $\pm$ 0.252 χ^2 /NDF: 935267.9/44

All: 1793.310 $\pm$ 0.174 χ^2 /NDF: 2261183.6/92

- sign 1763.662 $\pm$ 0.239 χ^2 /NDF: 1293444.5/47

diff_bpm0l01X_mean vs Slug



Right In: -28.302 ± 1.084 χ^2/NDF : 287.8/19

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

Right Out: 11.521 ± 0.961 χ^2/NDF : 1229.8/24

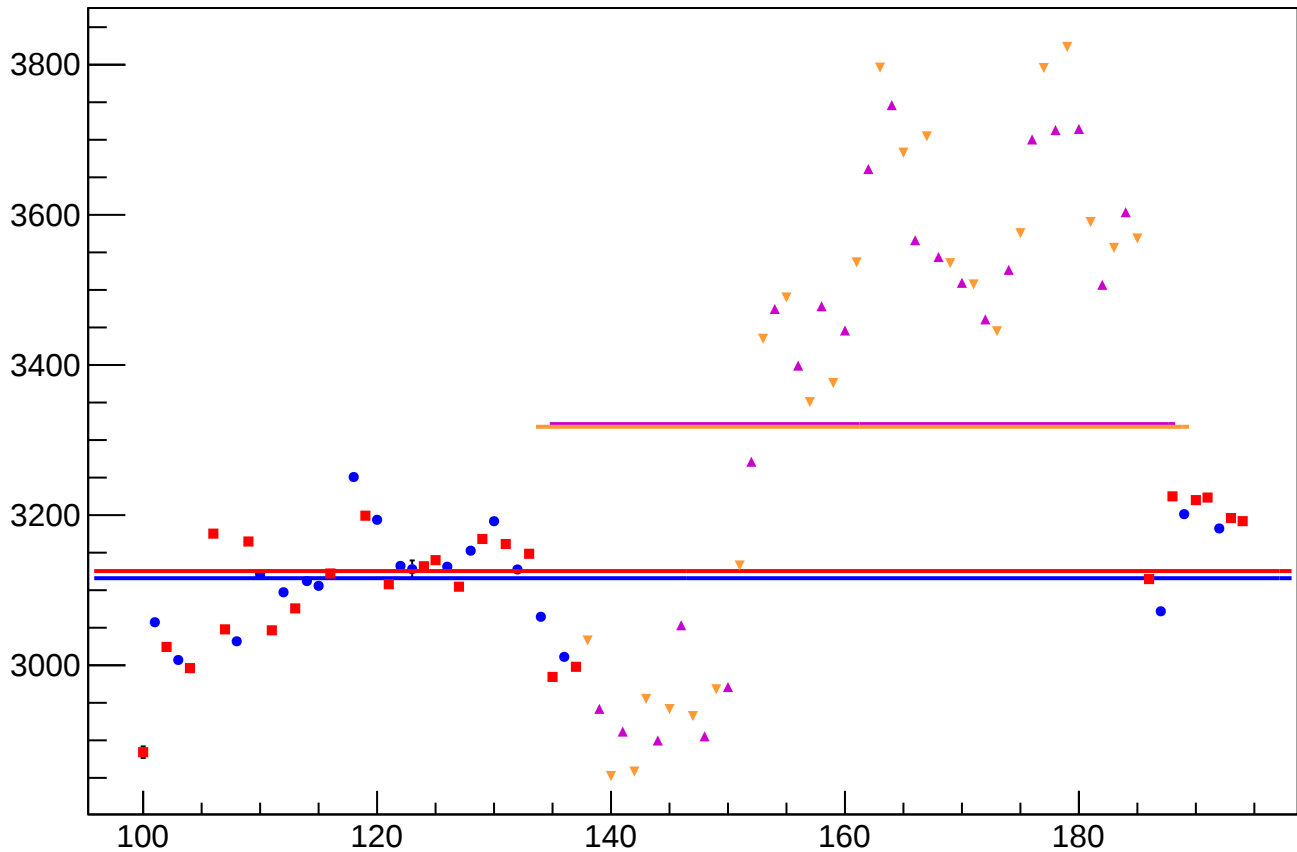
Left In: -4.774 ± 0.800 χ^2/NDF : 128.5/22

+ sign -16.231 ± 0.631 χ^2/NDF : 542.4/44

All: -6.930 ± 0.440 χ^2/NDF : 2493.9/92

- sign 1.901 ± 0.615 χ^2/NDF : 1528.1/47

diff_bpm0l01X_rms vs Slug



Right In: 3115.987 $\pm$ 0.767 χ^2 /NDF: 9116.8/19

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

Right Out: 3125.508 $\pm$ 0.679 χ^2 /NDF: 13606.6/24

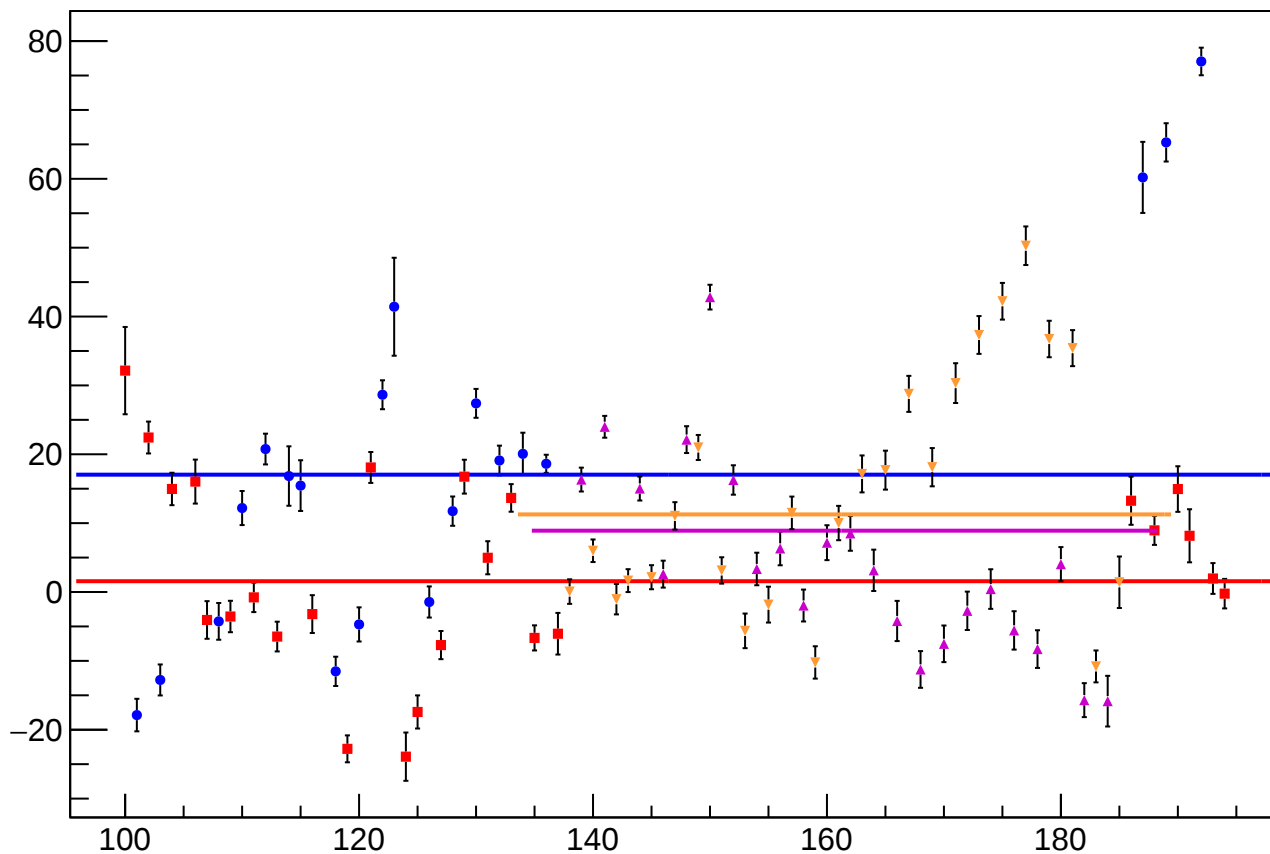
Left In: 3321.275 $\pm$ 0.566 χ^2 /NDF:284334.2/22

+ sign 3249.322 $\pm$ 0.446 χ^2 /NDF: 391762.5/44

All: 3245.092 $\pm$ 0.311 χ^2 /NDF: 738883.7/92

- sign 3241.076 $\pm$ 0.435 χ^2 /NDF: 346946.1/47

diff_bpm0l01Y_mean vs Slug



Right In: 17.039 ± 0.527 $\chi^2/\text{NDF}: 2133.5/19$

Left Out: 11.268 ± 0.454 $\chi^2/\text{NDF}: 1141.8/24$

Right Out: 1.568 ± 0.487 $\chi^2/\text{NDF}: 676.2/24$

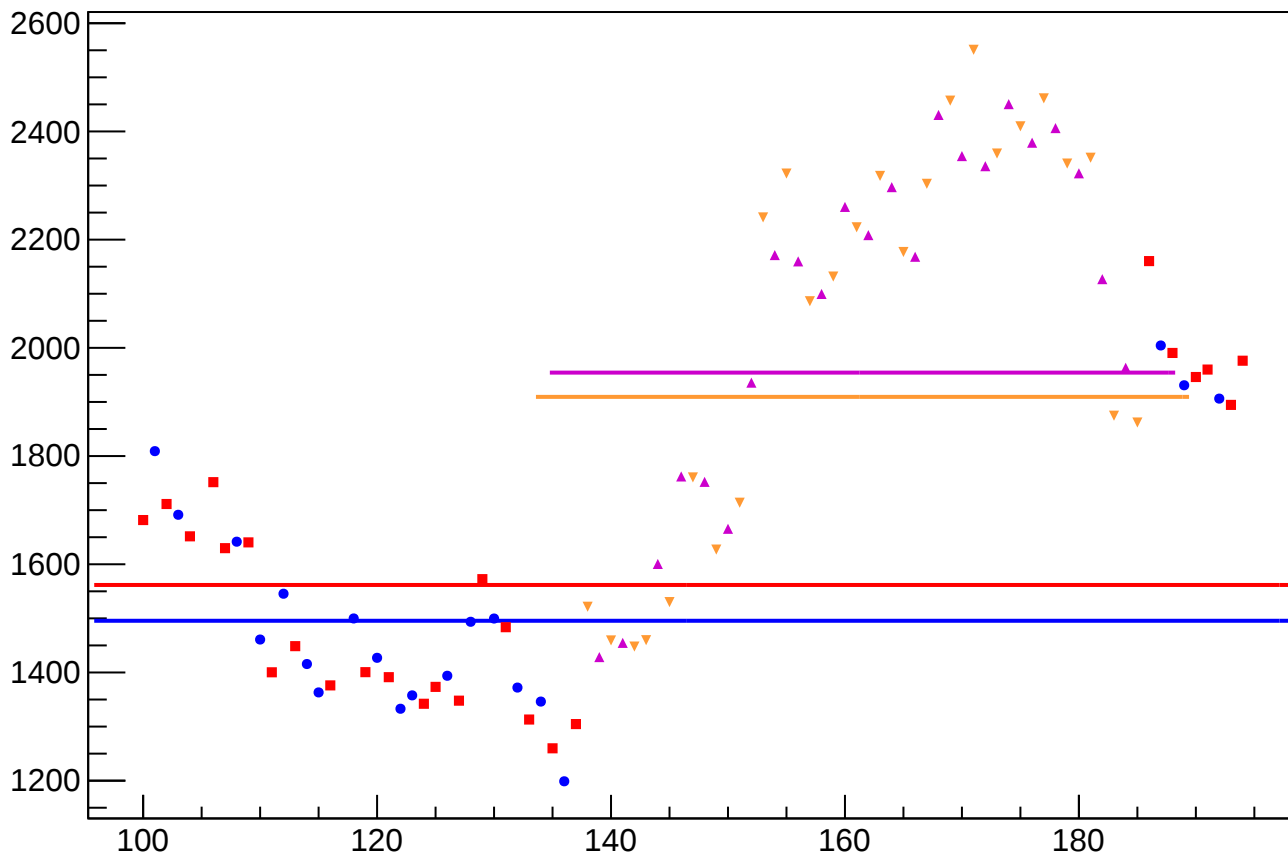
Left In: 8.905 ± 0.478 $\chi^2/\text{NDF}: 936.3/22$

+ sign 13.728 ± 0.344 $\chi^2/\text{NDF}: 3344.0/44$

All: 9.480 ± 0.242 $\chi^2/\text{NDF}: 5374.3/92$

- sign 5.309 ± 0.341 $\chi^2/\text{NDF}: 1728.2/47$

diff_bpm0l01Y_rms vs Slug



Right In: 1495.563 $\pm$ 0.373 χ^2 /NDF: 345211.7/19

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

Right Out: 1561.746 $\pm$ 0.344 χ^2 /NDF: 526957.2/24

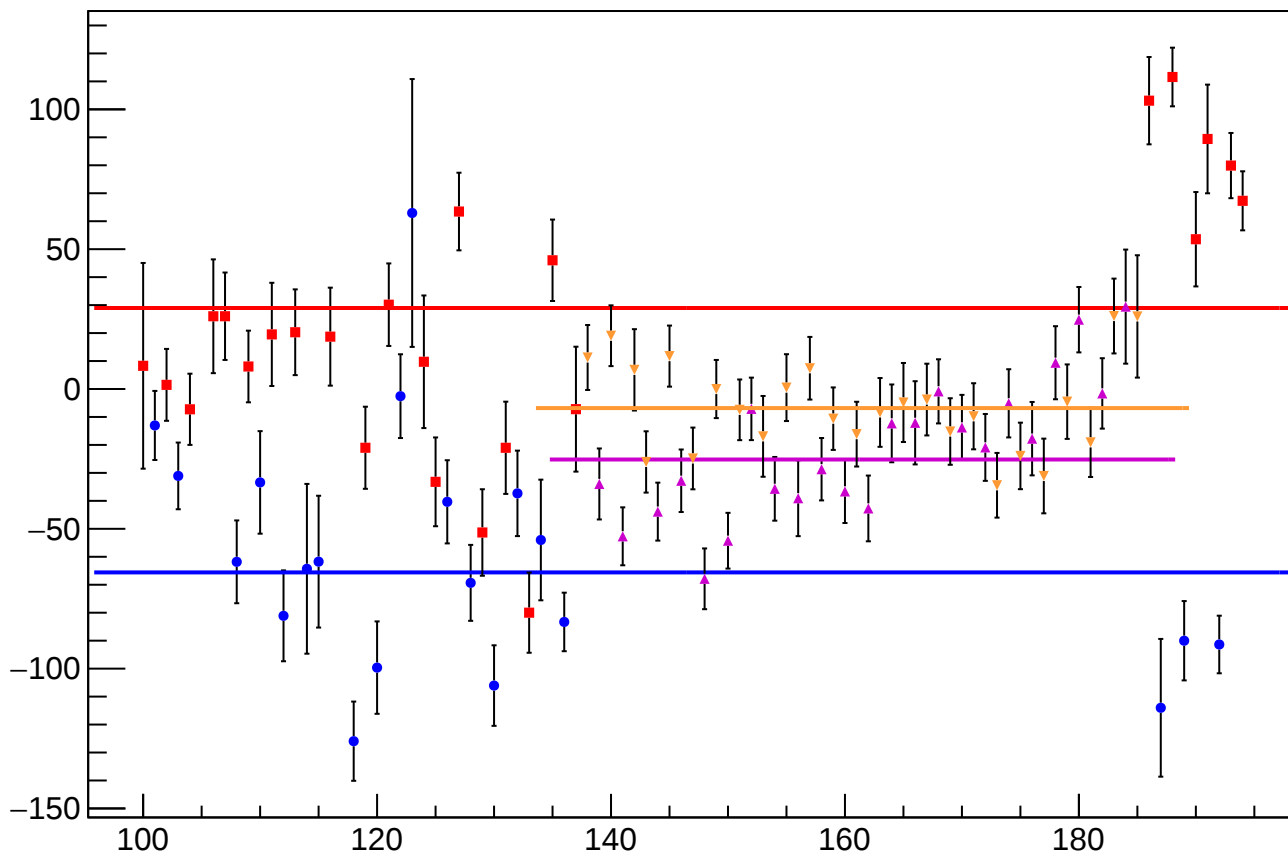
Left In: 1954.236 $\pm$ 0.338 χ^2 /NDF:1044826.7/22

+ sign 1732.961 $\pm$ 0.243 χ^2 /NDF: 2451010.3/44

All: 1747.545 $\pm$ 0.171 χ^2 /NDF: 4692162.0/92

- sign 1761.862 $\pm$ 0.241 χ^2 /NDF: 2234033.8/47

diff_bpm0l02X_mean vs Slug



Right In: -65.590 ± 3.377 $\chi^2/\text{NDF}: 108.4/19$

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

Right Out: 28.966 ± 2.997 $\chi^2/\text{NDF}: 277.0/24$

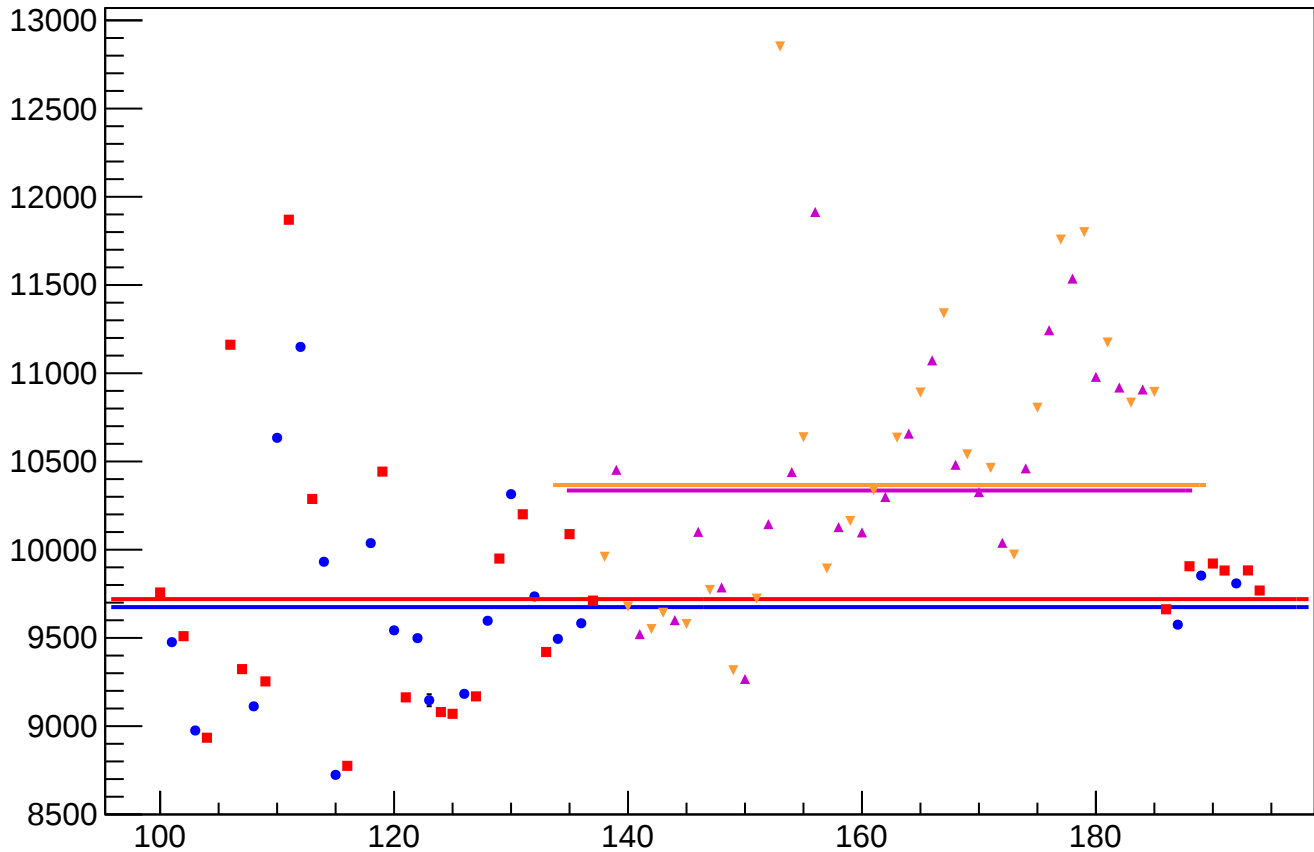
Left In: -25.215 ± 2.487 $\chi^2/\text{NDF}: 89.3/22$

+ sign -26.794 ± 1.968 $\chi^2/\text{NDF}: 350.7/44$

All: -14.628 ± 1.372 $\chi^2/\text{NDF}: 984.7/92$

- sign -3.128 ± 1.914 $\chi^2/\text{NDF}: 559.8/47$

diff_bpm0l02X_rms vs Slug



Right In: 9674.672 $\pm$ 2.388 χ^2 /NDF: 44796.8/19

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

Right Out: 9720.031 $\pm$ 2.119 χ^2 /NDF: 79310.2/24

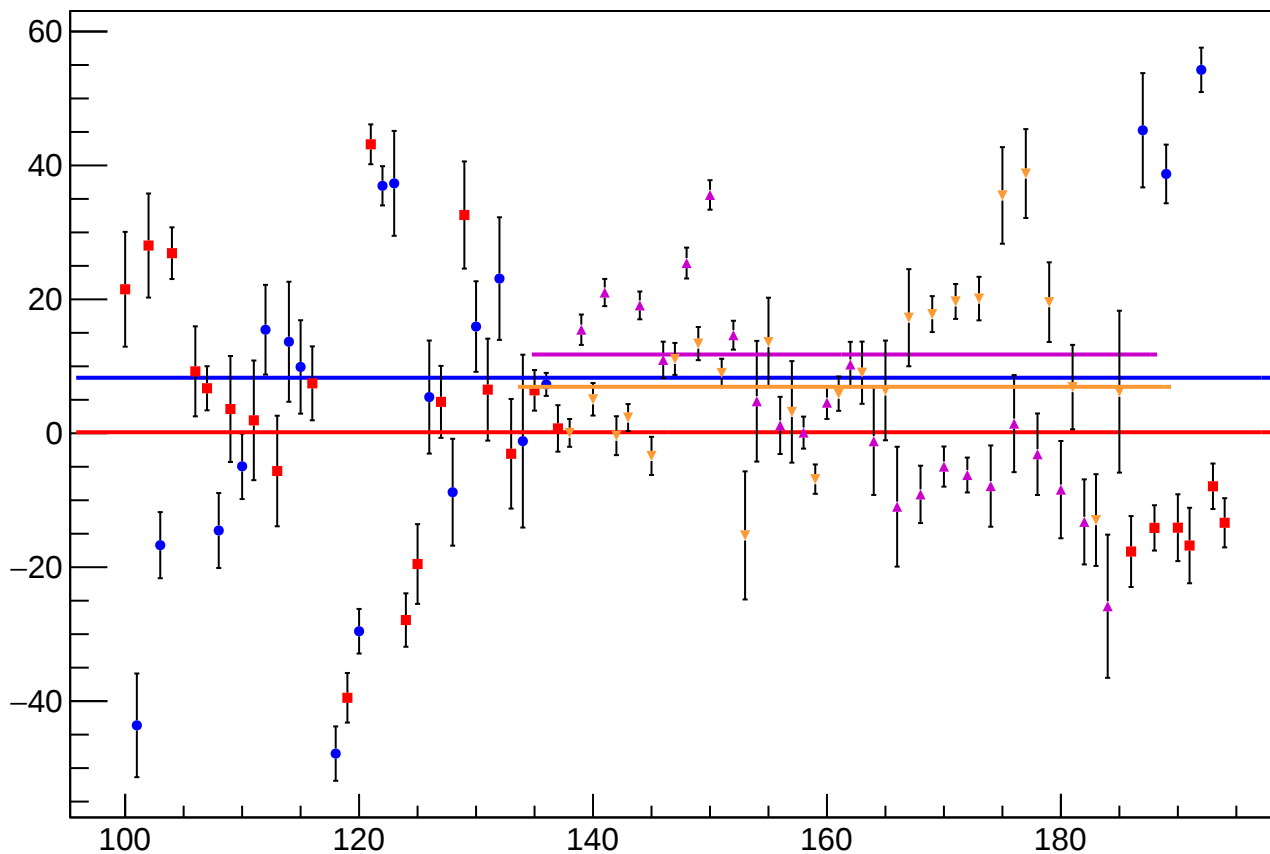
Left In: 10335.399 $\pm$ 1.758 χ^2 /NDF:127173.0/22

+ sign 10131.434 $\pm$ 1.392 χ^2 /NDF: 311631.8/44

All: 10107.327 $\pm$ 0.970 χ^2 /NDF: 568631.7/92

- sign 10084.538 $\pm$ 1.353 χ^2 /NDF: 256416.3/47

diff_bpm0l02Y_mean vs Slug



Right In: 8.294 ± 0.983 $\chi^2/\text{NDF}: 794.8/19$

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

Right Out: 0.157 ± 0.915 $\chi^2/\text{NDF}: 546.7/24$

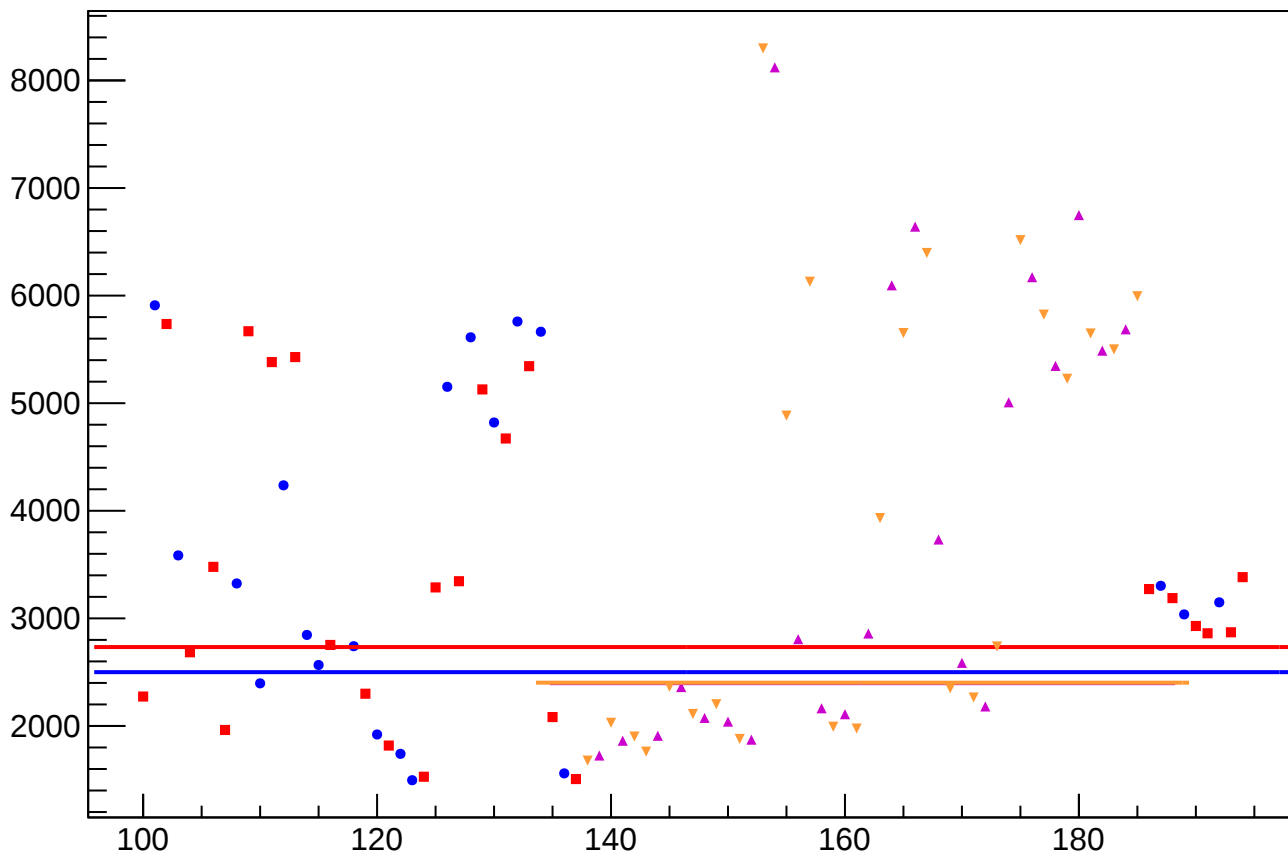
Left In: 11.766 ± 0.648 $\chi^2/\text{NDF}: 395.1/22$

+ sign 7.341 ± 0.536 $\chi^2/\text{NDF}: 1000.0/44$

All: 7.617 ± 0.376 $\chi^2/\text{NDF}: 2049.4/92$

- sign 7.886 ± 0.529 $\chi^2/\text{NDF}: 1048.9/47$

diff_bpm0l02Y_rms vs Slug



Right In: 2500.150+/-0.695 χ^2/NDF : 2734869.0/19

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

Right Out: 2733.425+/-0.647 χ^2/NDF : 2526493.1/24

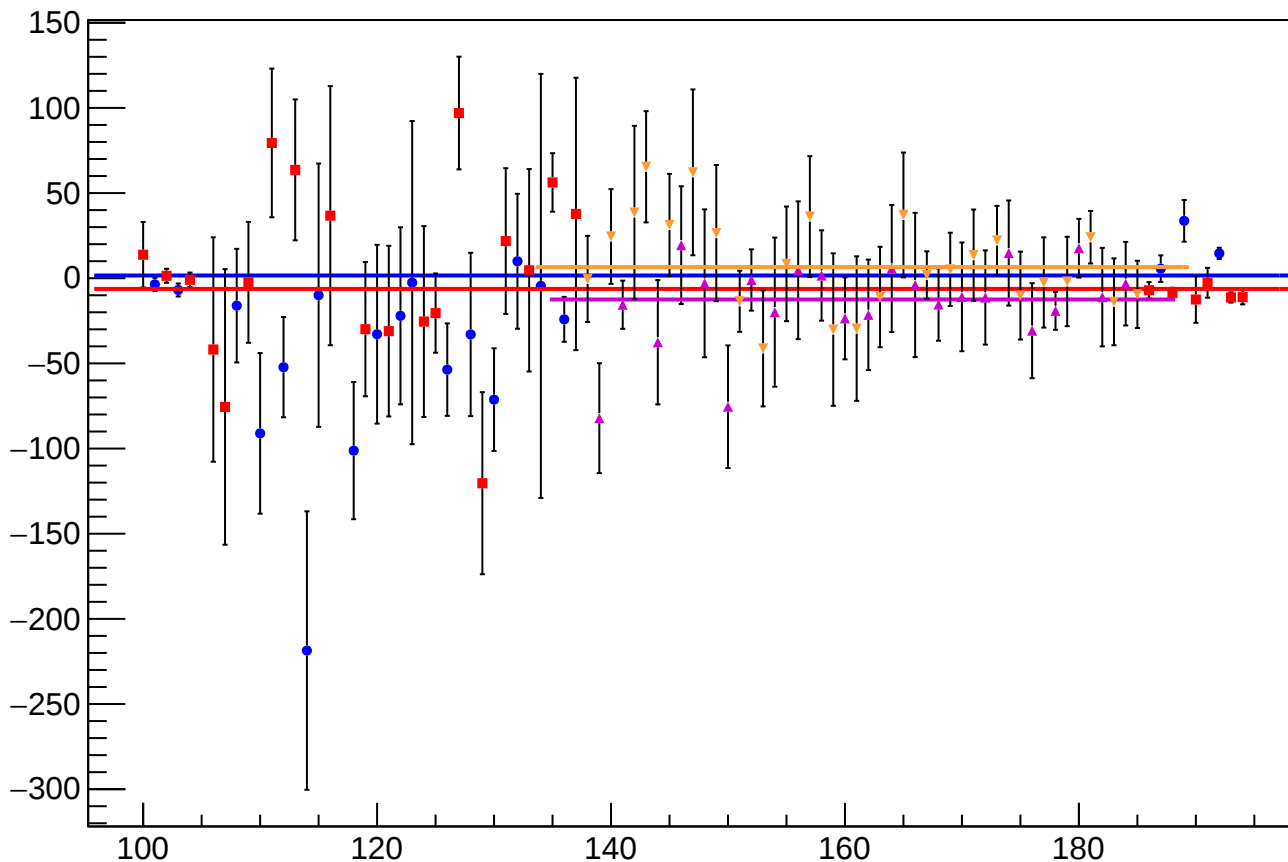
Left In: 2397.701+/-0.458 χ^2/NDF : 5398920.1/22

+ sign 2431.391+/-0.379 χ^2/NDF : 9094768.6/44

All: 2471.129+/-0.266 χ^2/NDF : 17221144.2/9

- sign 2509.898+/-0.374 χ^2/NDF : 8104626.1/47

diff_bpm0l03X_mean vs Slug



Right In: 1.605 ± 1.943 χ^2/NDF : 65.9/19

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

Right Out: -6.265 ± 1.456 χ^2/NDF : 48.8/24

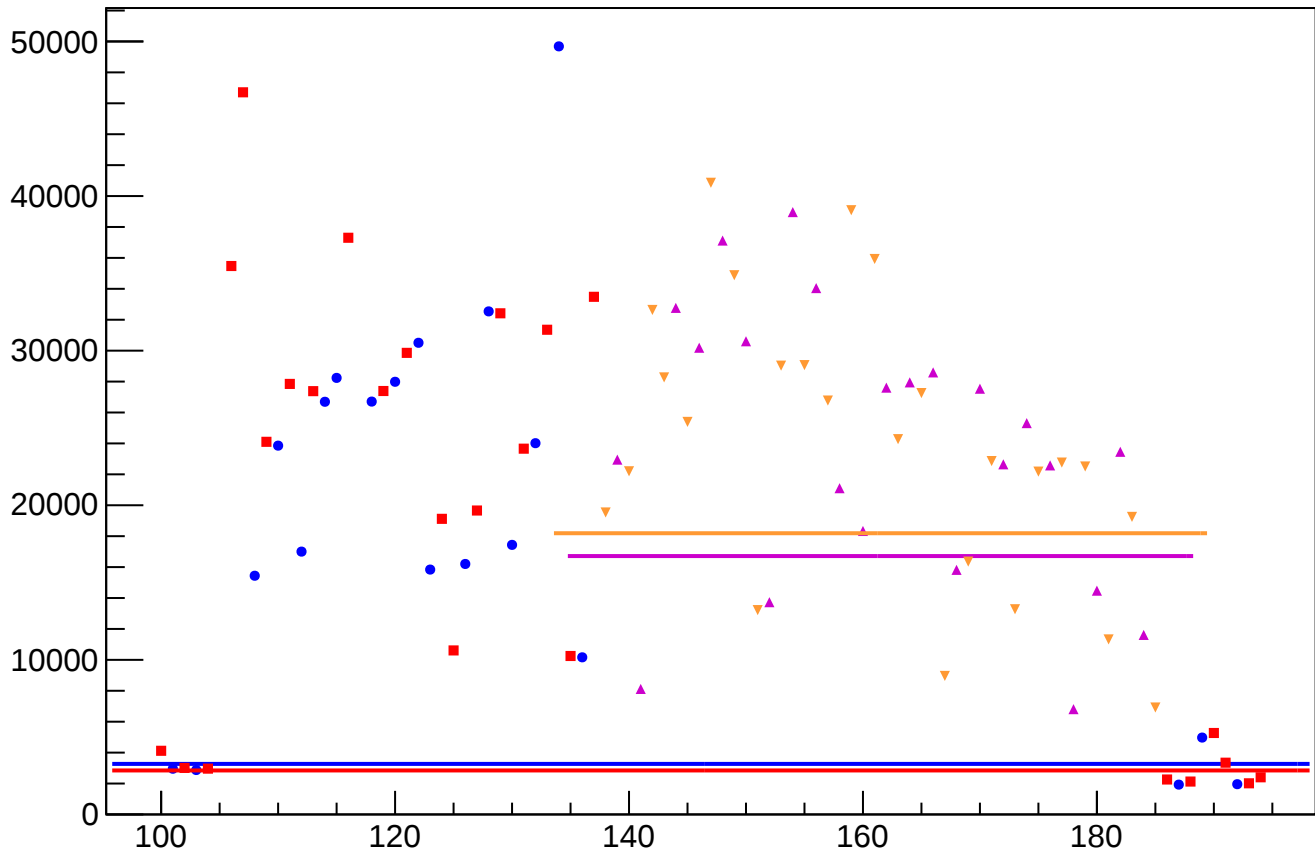
Left In: -12.469 ± 5.025 χ^2/NDF : 15.4/22

+ sign 2.238 ± 1.814 χ^2/NDF : 83.4/44

All: -3.398 ± 1.108 χ^2/NDF : 164.5/92

- sign -6.746 ± 1.398 χ^2/NDF : 65.6/47

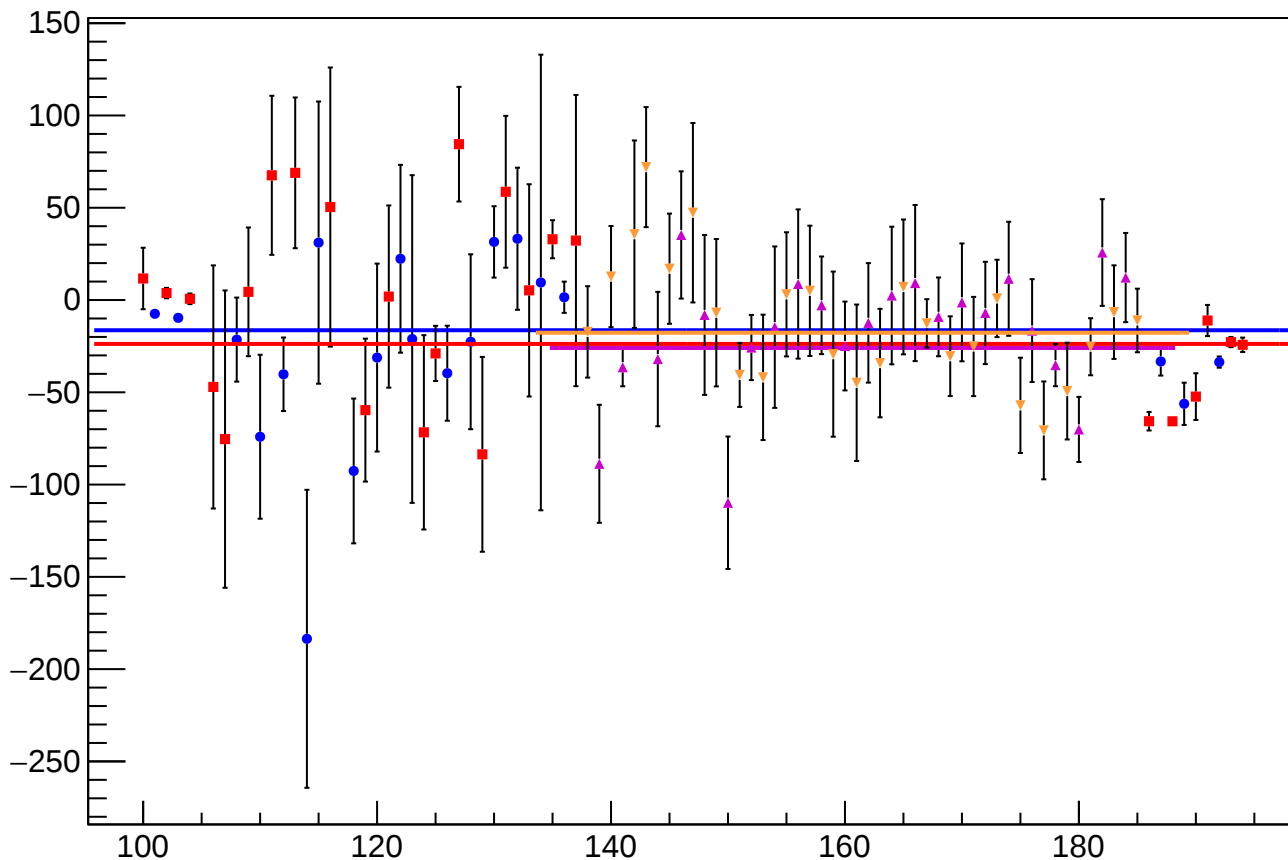
diff_bpm0l03X_rms vs Slug



Right In: 3270.413+/-1.374 χ^2/NDF : 6625298.5/19
 Left Out: 18190.387+/-3.590 χ^2/NDF : 5261328.5/24
 Right Out: 2846.429+/-1.029 χ^2/NDF : 8447763.1/24
 Left In: 16713.653+/-3.553 χ^2/NDF : 6194178.8/22

+ sign 5175.554+/-1.283 χ^2/NDF : 26950922.6/44
 All: 4387.914+/-0.783 χ^2/NDF : 56244110.0/9
 - sign 3920.093+/-0.989 χ^2/NDF : 28692408.8/47

diff_bpm0l03Y_mean vs Slug



Right In: -16.370 ± 1.490 $\chi^2/\text{NDF}: 92.9/19$

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

Right Out: -23.784 ± 1.227 $\chi^2/\text{NDF}: 553.0/24$

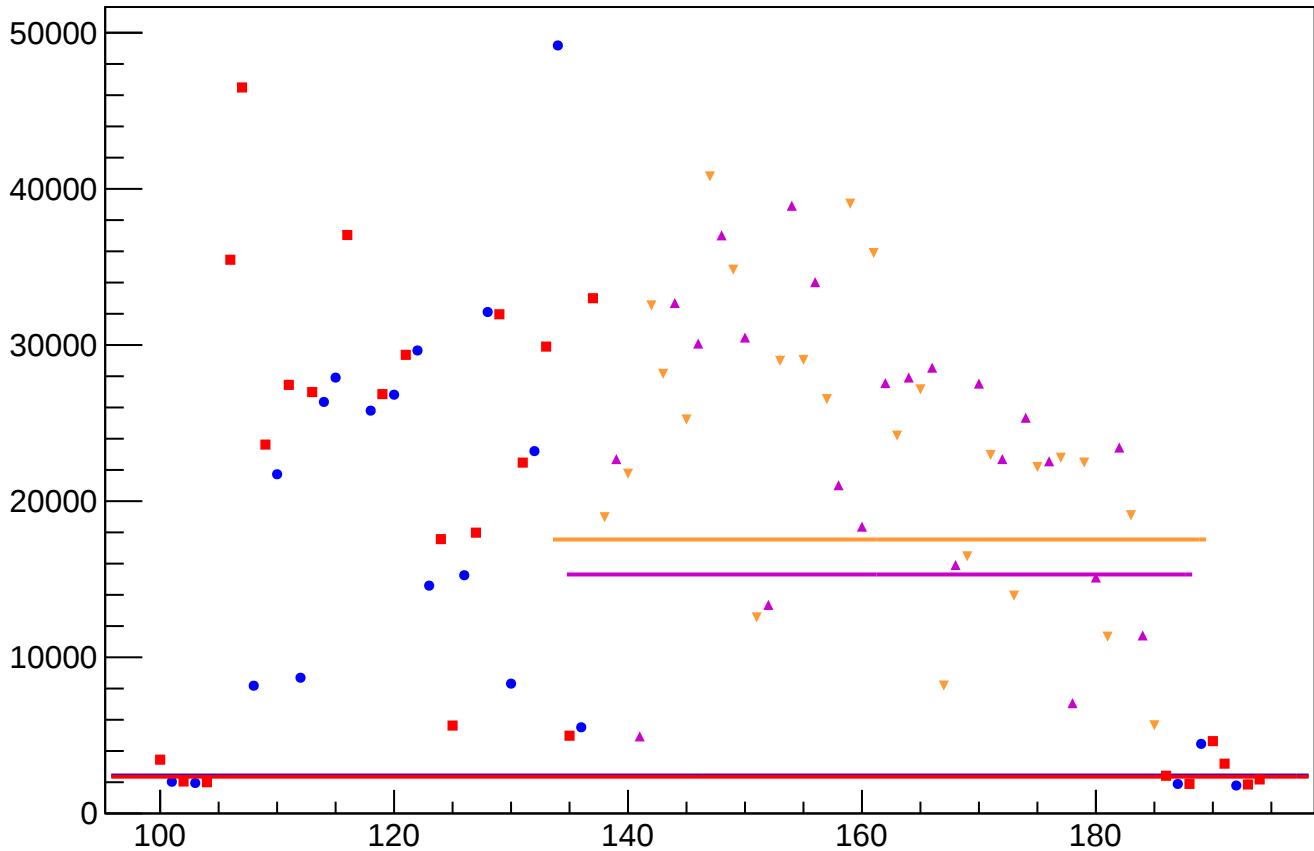
Left In: -25.991 ± 4.789 $\chi^2/\text{NDF}: 32.6/22$

+ sign -16.481 ± 1.428 $\chi^2/\text{NDF}: 120.2/44$

All: -20.875 ± 0.913 $\chi^2/\text{NDF}: 722.0/92$

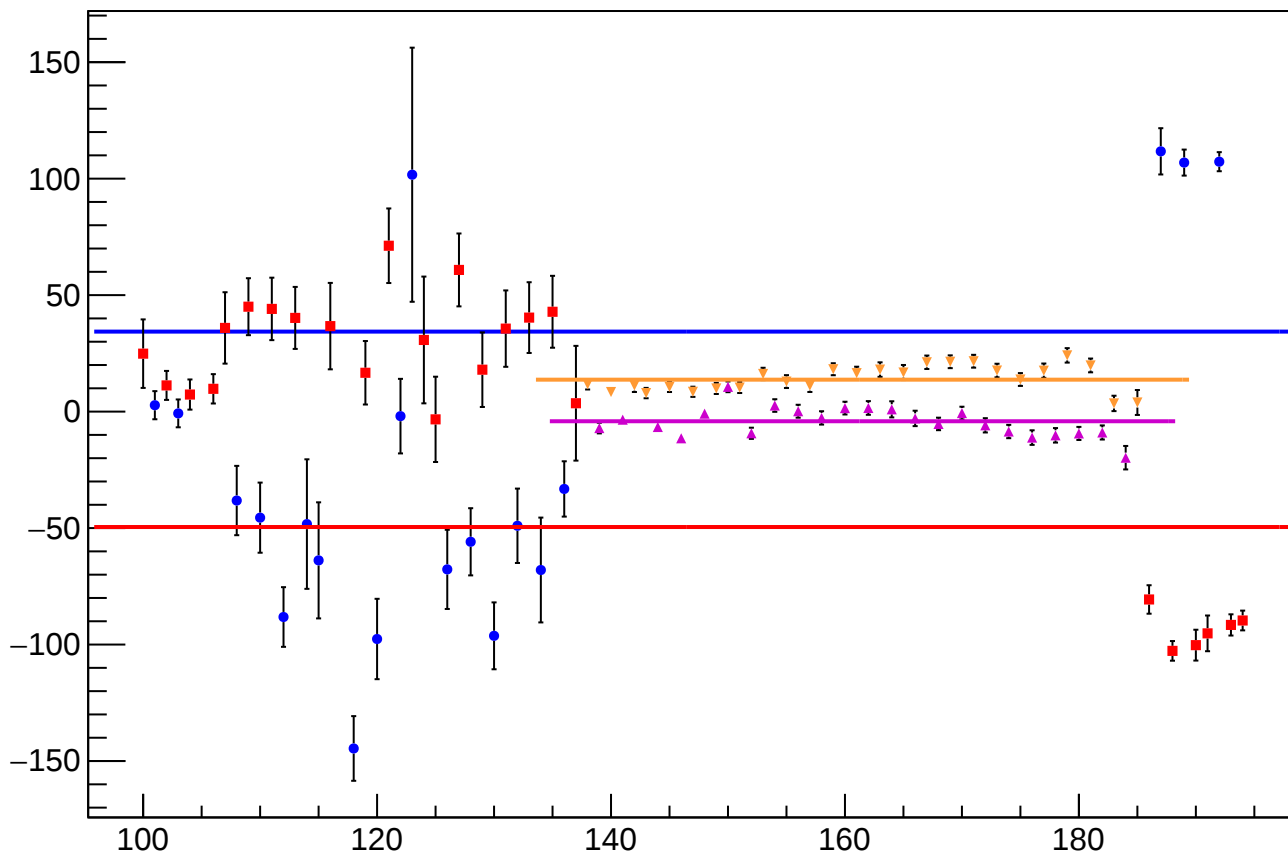
- sign -23.920 ± 1.189 $\chi^2/\text{NDF}: 585.8/47$

diff_bpm0l03Y_rms vs Slug



Right In: 2427.284+/-1.054	χ^2/NDF : 5756430.7/19	+ sign 3672.729+/-1.010	χ^2/NDF : 28613465.1/44
Left Out: 17546.173+/-3.517	χ^2/NDF : 5902620.4/24	All: 3366.079+/-0.646	χ^2/NDF : 58332401.0/9
Right Out: 2355.894+/-0.868	χ^2/NDF : 8118467.7/24	- sign 3153.550+/-0.840	χ^2/NDF : 29562717.3/47
Left In: 15305.311+/-3.386	χ^2/NDF : 7721177.0/22		

diff_bpm0l04X_mean vs Slug



Right In: 34.341 $\pm$ 2.161 χ^2/NDF : 1246.1/19

Left Out: 13.710 $\pm$ 0.535 χ^2/NDF : 89.9/24

Right Out: -49.546 $\pm$ 1.651 χ^2/NDF : 1213.1/24

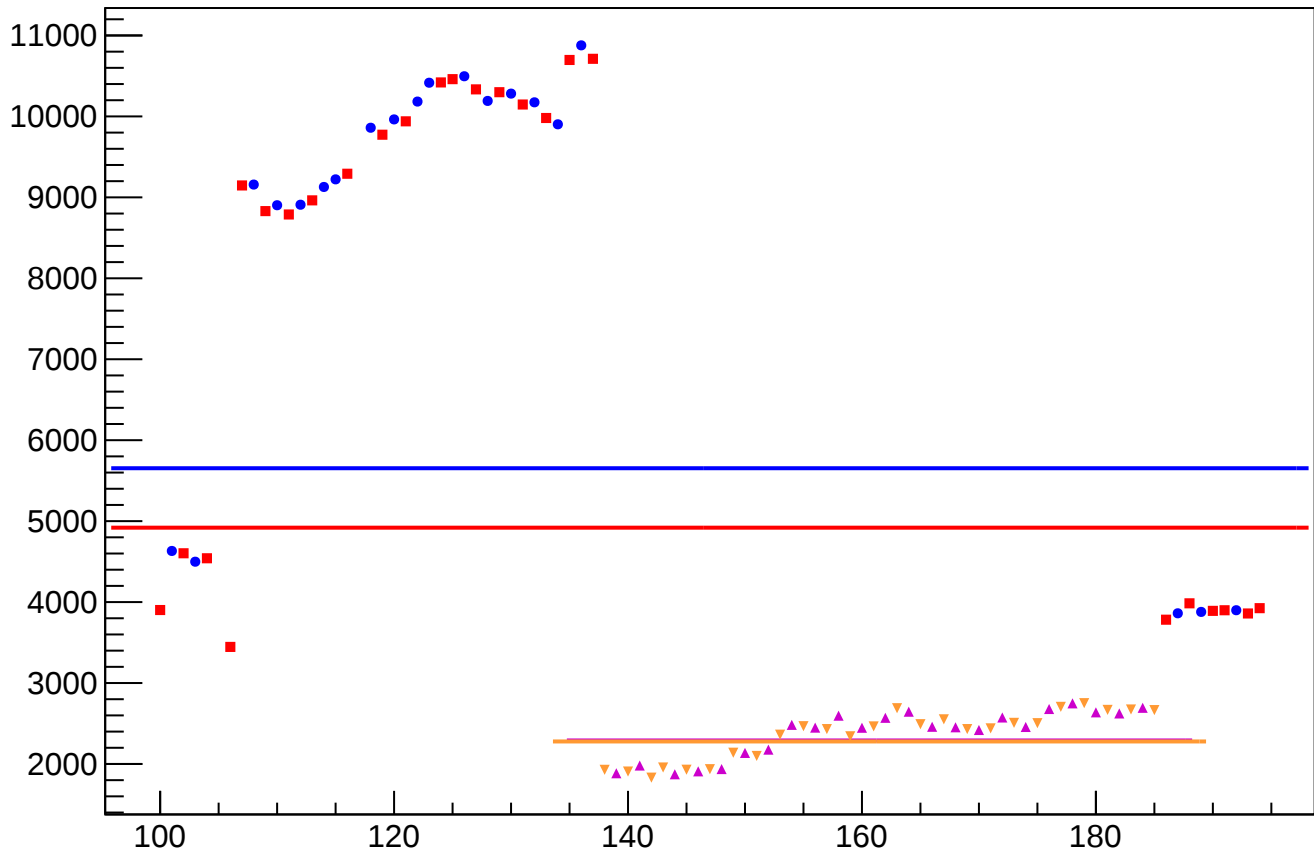
Left In: -4.141 $\pm$ 0.555 χ^2/NDF : 111.7/22

+ sign 14.902 $\pm$ 0.520 χ^2/NDF : 1421.8/44

All: 3.222 $\pm$ 0.370 χ^2/NDF : 4449.4/92

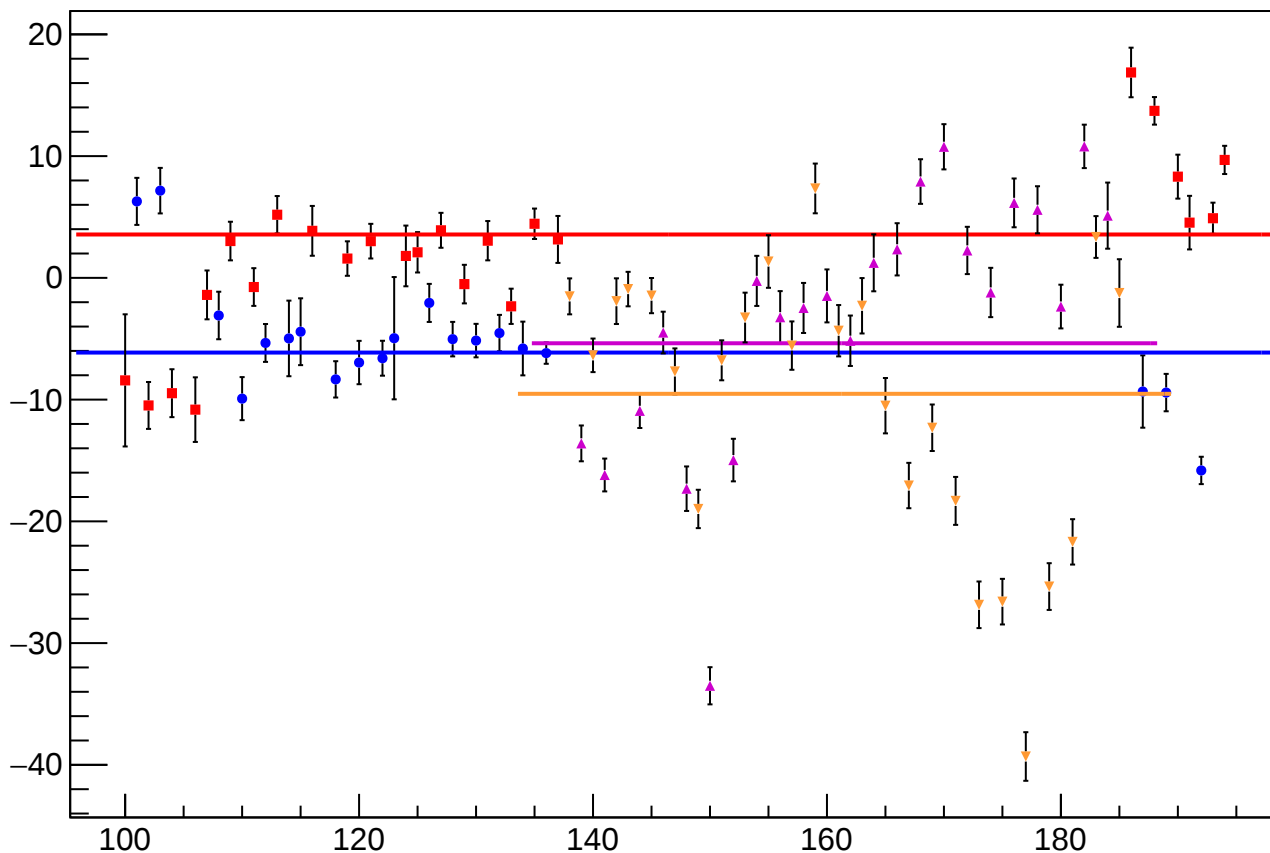
- sign -8.747 $\pm$ 0.526 χ^2/NDF : 2004.2/47

diff_bpm0l04X_rms vs Slug



Right In: 5653.632+/-1.528	χ^2/NDF : 2842703.0/19	+ sign 2473.203+/-0.367	χ^2/NDF : 8046938.5/44
Left Out: 2278.115+/-0.378	χ^2/NDF : 607109.4/24	All: 2514.659+/-0.261	χ^2/NDF : 16635085.3/9
Right Out: 4919.281+/-1.168	χ^2/NDF : 3416994.2/24	- sign 2557.136+/-0.372	χ^2/NDF : 8562366.3/47
Left In: 2290.461+/-0.392	χ^2/NDF : 590272.1/22		

diff_bpm0l04Y_mean vs Slug



Right In: -6.136 ± 0.358 $\chi^2/\text{NDF}: 191.4/19$

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

Right Out: 3.563 ± 0.325 $\chi^2/\text{NDF}: 333.0/24$

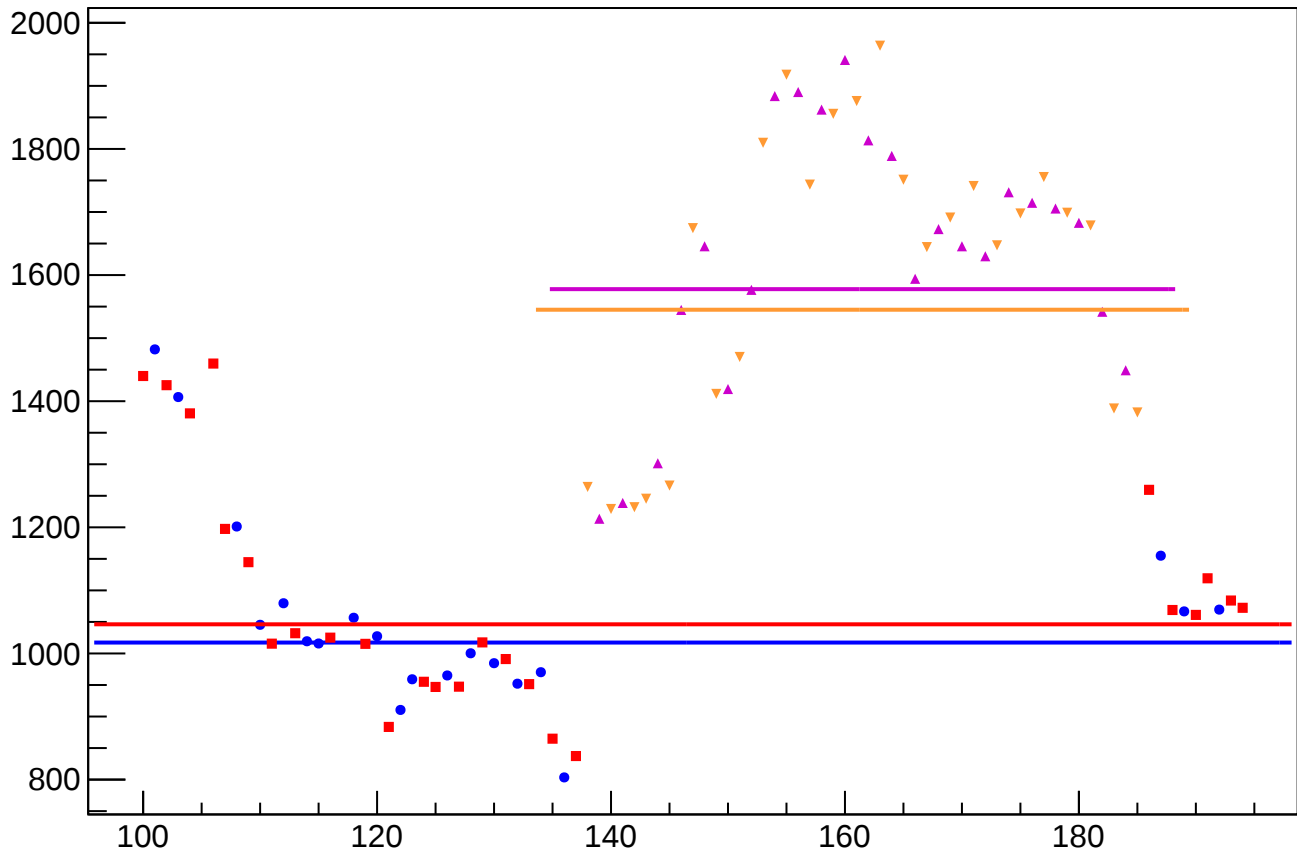
Left In: -5.372 ± 0.383 $\chi^2/\text{NDF}: 869.8/22$

+ sign -7.799 ± 0.256 $\chi^2/\text{NDF}: 1119.4/44$

All: -3.865 ± 0.178 $\chi^2/\text{NDF}: 3098.3/92$

- sign -0.173 ± 0.248 $\chi^2/\text{NDF}: 1519.6/47$

diff_bpm0l04Y_rms vs Slug



Right In: 1017.297 $\pm$ 0.253 χ^2 /NDF: 374507.7/19

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

Right Out: 1046.229 $\pm$ 0.230 χ^2 /NDF: 366007.3/24

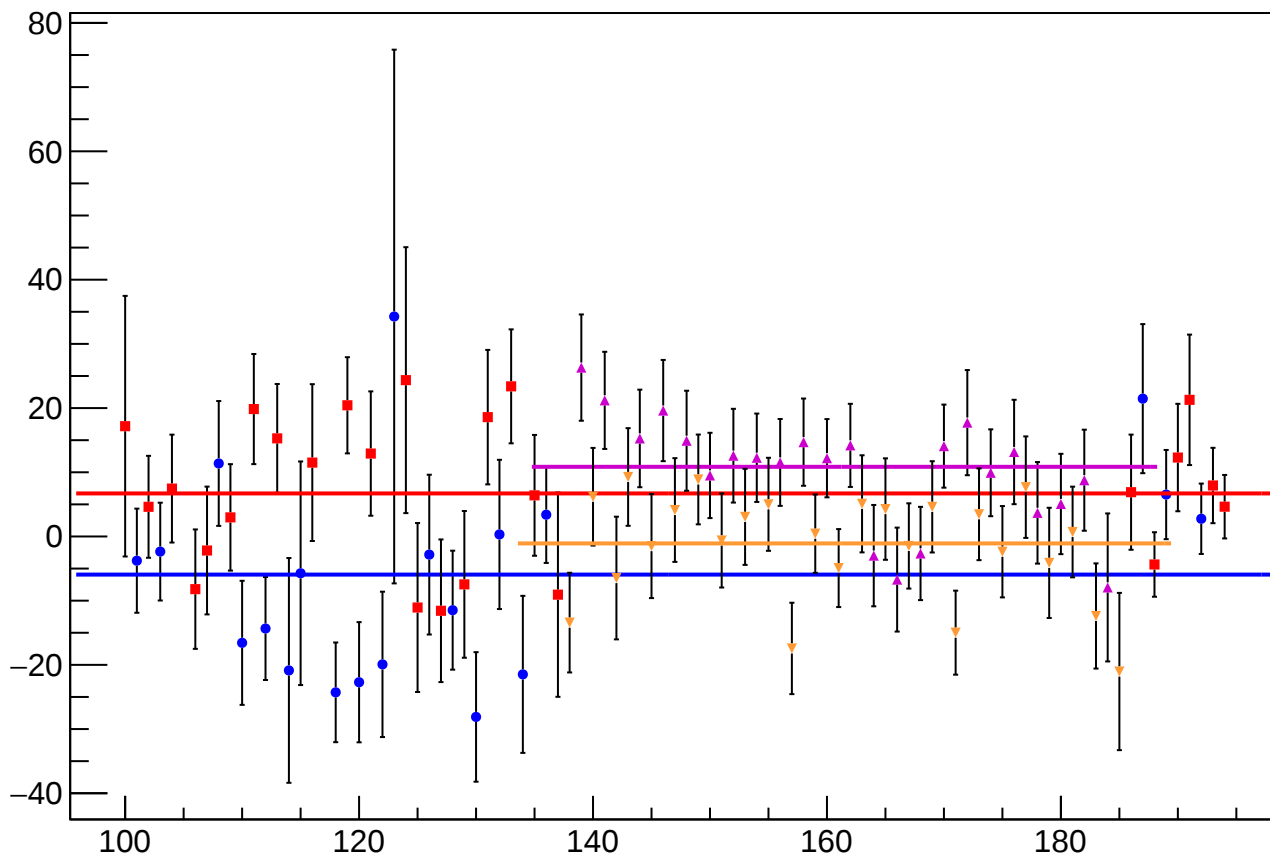
Left In: 1577.685 $\pm$ 0.271 χ^2 /NDF: 625406.2/22

+ sign 1276.379 $\pm$ 0.181 χ^2 /NDF: 3348500.3/44

All: 1272.291 $\pm$ 0.126 χ^2 /NDF: 6582747.2/92

- sign 1268.454 $\pm$ 0.175 χ^2 /NDF: 3233254.9/47

diff_bpm0l05X_mean vs Slug



Right In: -5.938 ± 2.070 χ^2/NDF : 37.7/19

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

Right Out: 6.706 ± 1.720 χ^2/NDF : 31.4/24

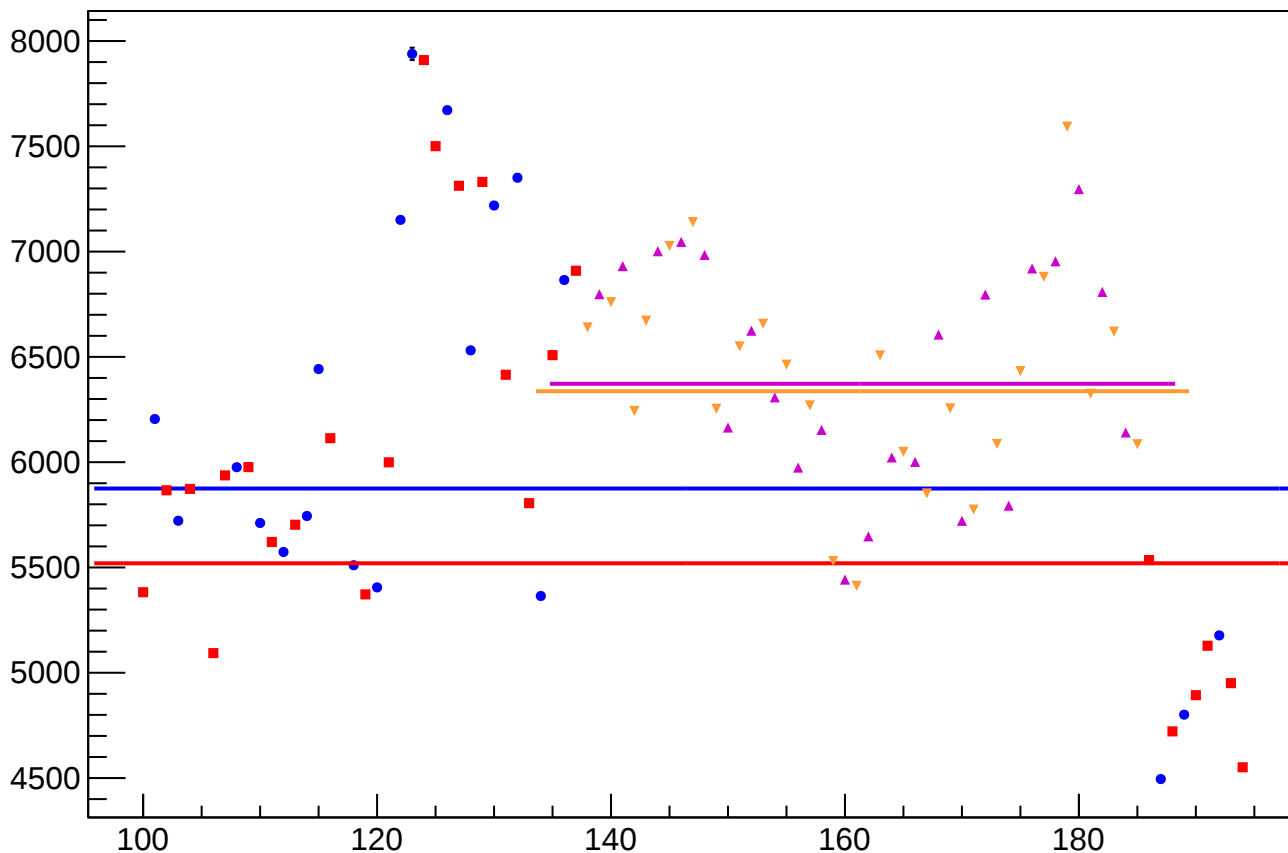
Left In: 10.851 ± 1.542 χ^2/NDF : 24.4/22

+ sign -2.736 ± 1.208 χ^2/NDF : 68.9/44

All: 3.433 ± 0.832 χ^2/NDF : 177.5/92

- sign 9.004 ± 1.148 χ^2/NDF : 59.0/47

diff_bpm0l05X_rms vs Slug



Right In: 5874.941+/-1.464 χ^2/NDF : 315789.5/19

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

Right Out: 5519.889+/-1.216 χ^2/NDF : 421268.6/24

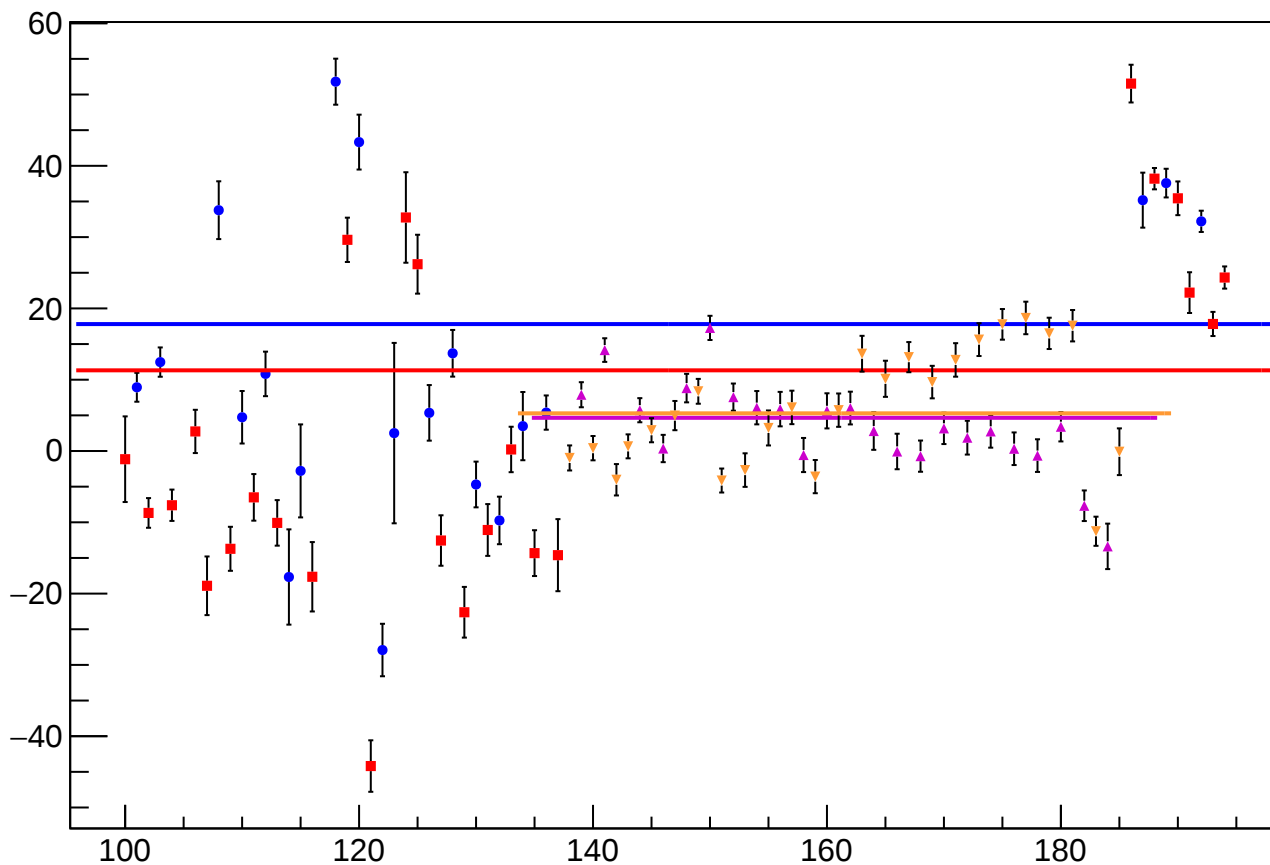
Left In: 6372.349+/-1.090 χ^2/NDF : 247257.0/22

+ sign 6179.643+/-0.854 χ^2/NDF : 604383.6/44

All: 6081.315+/-0.588 χ^2/NDF : 1570623.5/92

- sign 5992.504+/-0.812 χ^2/NDF : 941013.2/47

diff_bpm0l05Y_mean vs Slug



Right In: 17.802 $\pm$ 0.654 χ^2 /NDF: 783.1/19

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

Right Out: 11.315 $\pm$ 0.546 χ^2 /NDF: 1737.7/24

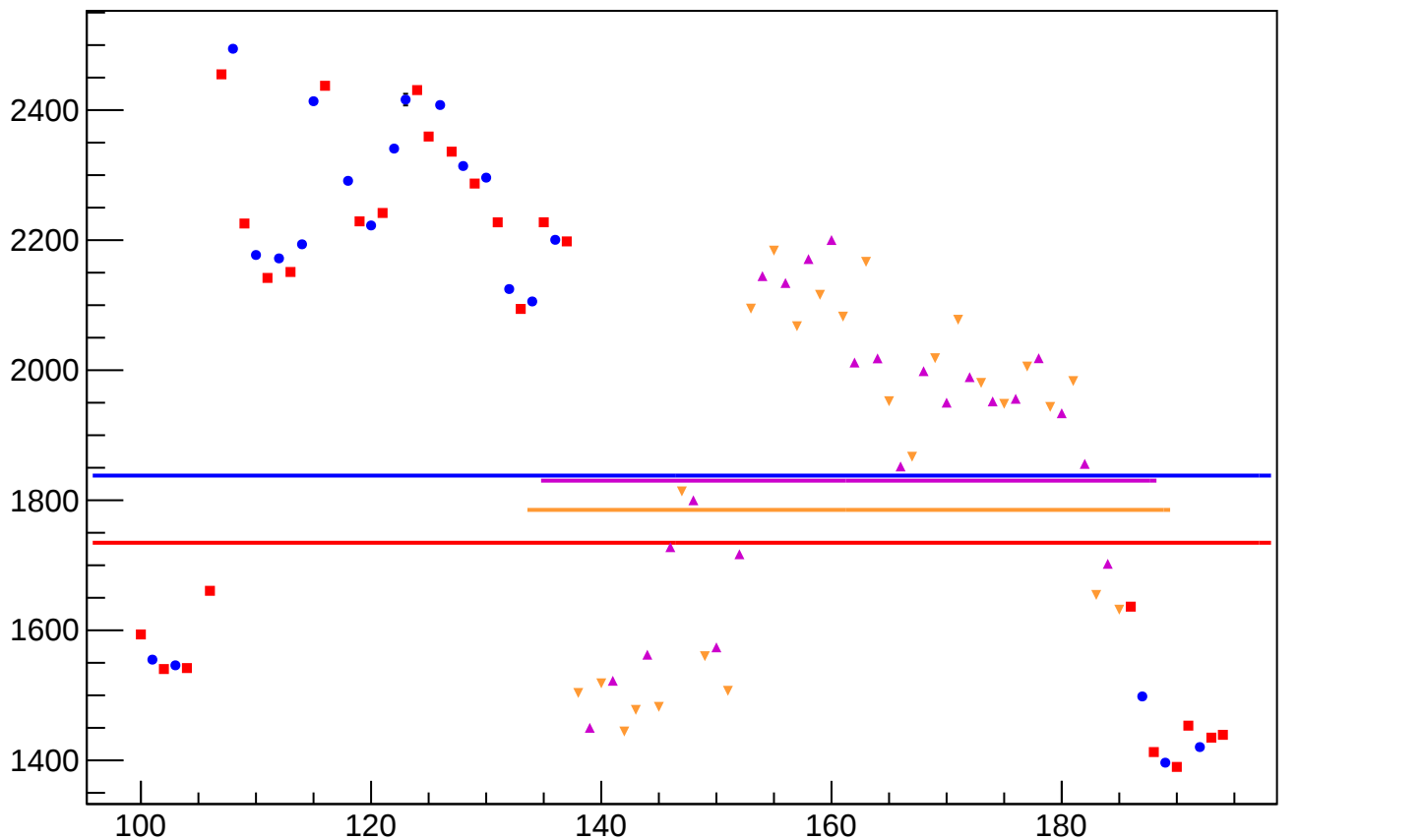
Left In: 4.657 $\pm$ 0.443 χ^2 /NDF:196.5/22

+ sign 8.944 $\pm$ 0.354 χ^2 /NDF: 1408.0/44

All: 8.101 $\pm$ 0.247 χ^2 /NDF: 3442.9/92

- sign 7.304 $\pm$ 0.344 χ^2 /NDF: 2023.9/47

diff_bpm0l05Y_rms vs Slug



Right In: 1837.960 ± 0.463 $\chi^2/\text{NDF}: 755072.5/19$

Left Out: 1785.179 ± 0.297 $\chi^2/\text{NDF}: 750628.1/24$

Right Out: 1734.638 ± 0.386 $\chi^2/\text{NDF}: 937878.0/24$

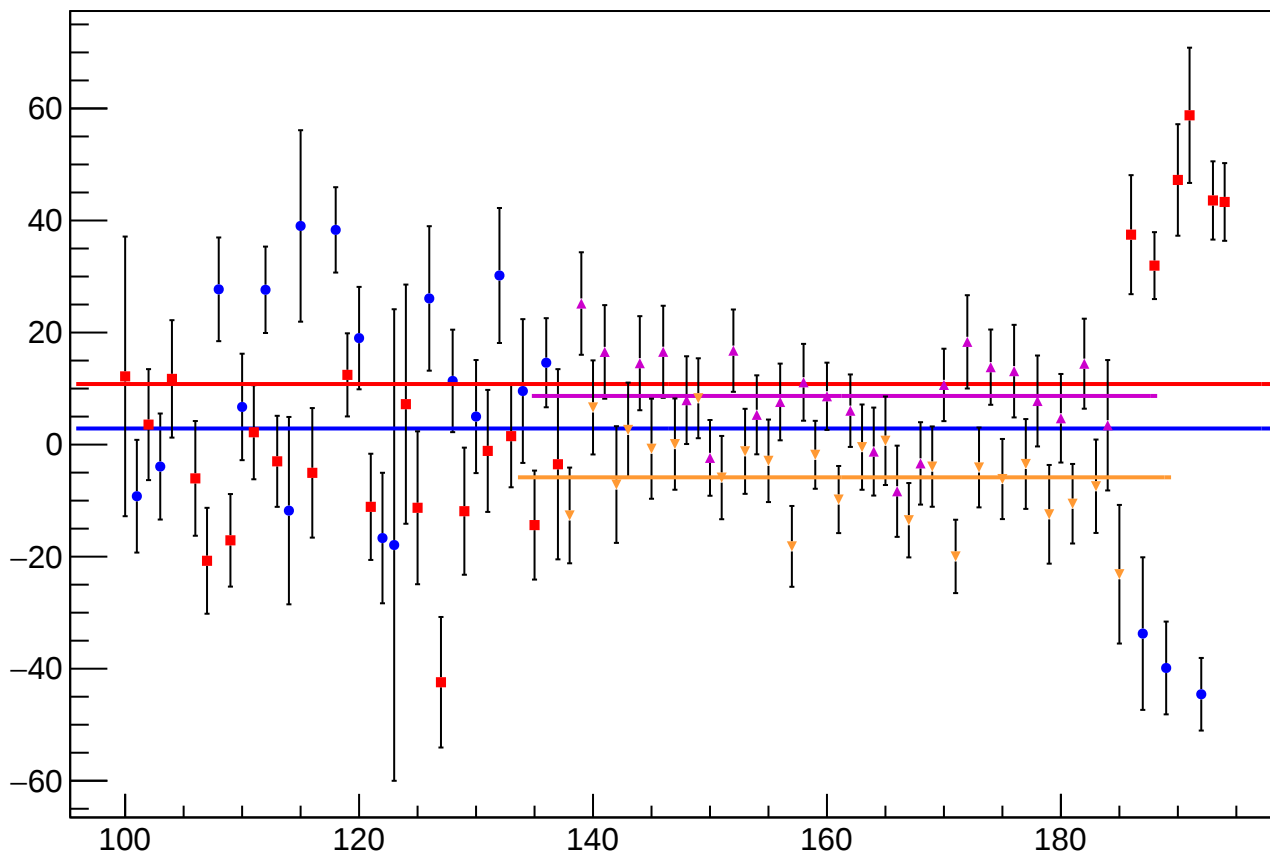
Left In: 1830.160 ± 0.313 $\chi^2/\text{NDF}: 508391.9/22$

+ sign 1800.610 ± 0.250 $\chi^2/\text{NDF}: 1514904.6/44$

All: 1796.278 ± 0.174 $\chi^2/\text{NDF}: 2998671.8/92$

- sign 1792.182 ± 0.243 $\chi^2/\text{NDF}: 1483184.2/47$

diff_bpm0l06X_mean vs Slug



Right In: 2.874 ± 2.208 χ^2/NDF : 151.9/19

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

Right Out: 10.812 ± 1.908 χ^2/NDF : 166.2/24

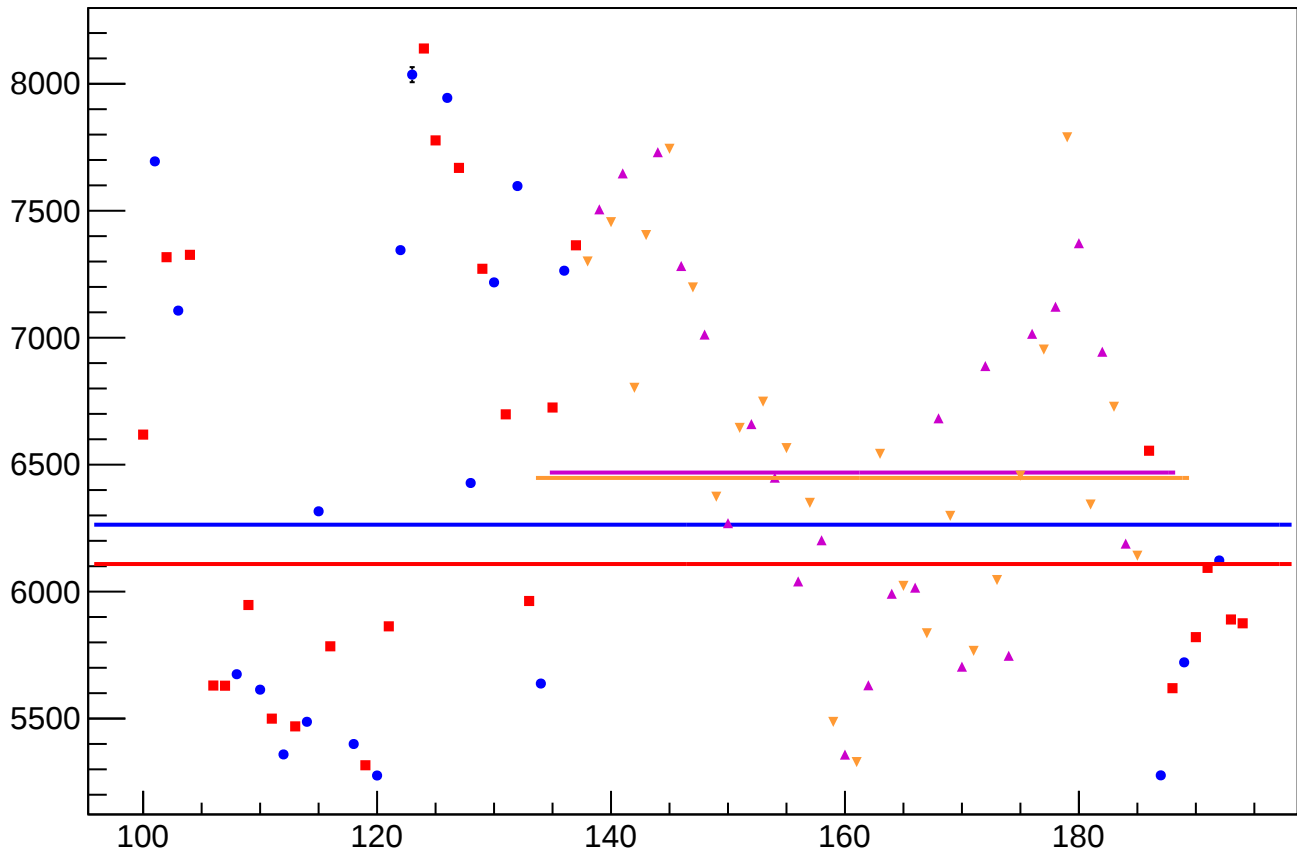
Left In: 8.683 ± 1.571 χ^2/NDF : 21.9/22

+ sign -3.043 ± 1.251 χ^2/NDF : 185.8/44

All: 3.447 ± 0.871 χ^2/NDF : 426.8/92

- sign 9.543 ± 1.213 χ^2/NDF : 188.8/47

diff_bpm0l06X_rms vs Slug



Right In: 6263.546+/-1.561 χ^2/NDF : 309006.2/19

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

Right Out: 6108.618+/-1.349 χ^2/NDF : 269579.6/24

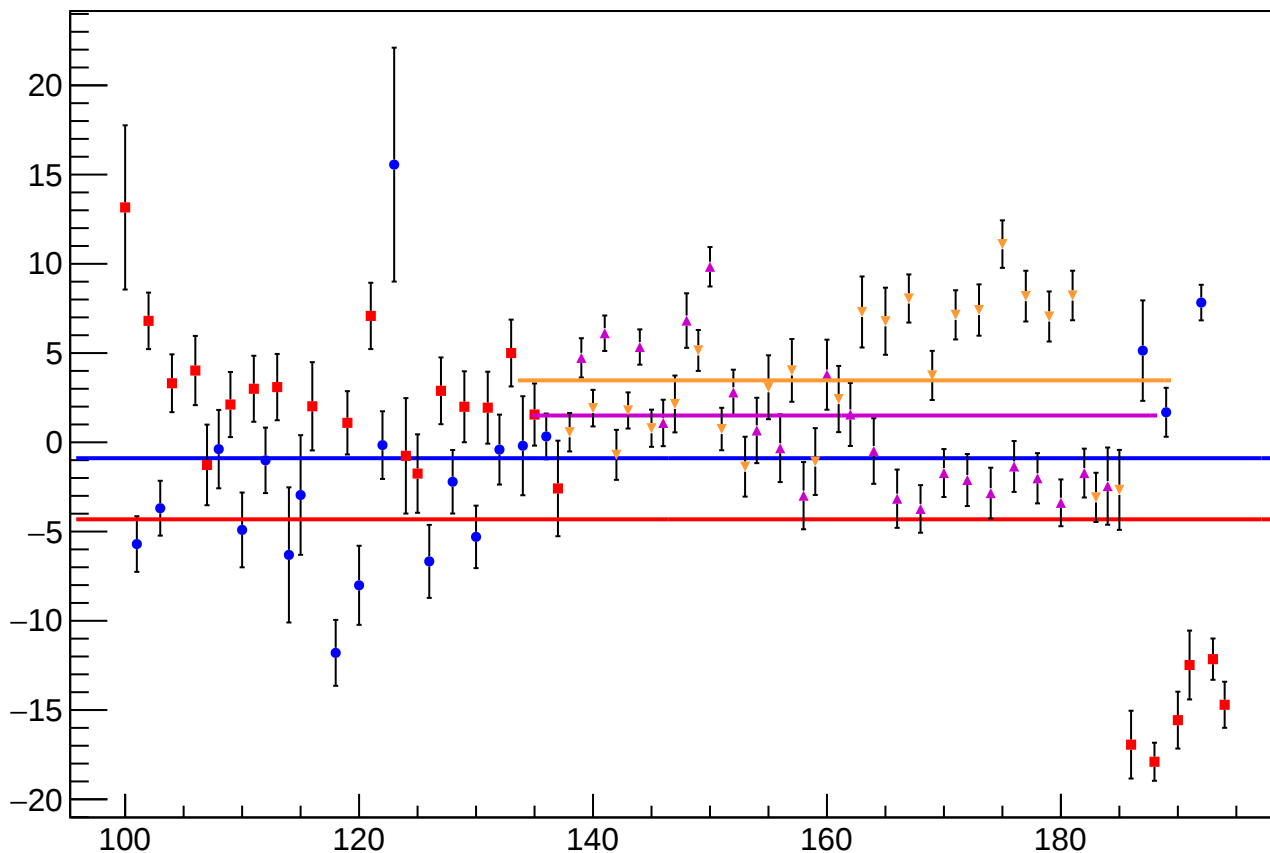
Left In: 6468.902+/-1.111 χ^2/NDF : 383325.4/22

+ sign 6388.588+/-0.885 χ^2/NDF : 690124.3/44

All: 6354.961+/-0.616 χ^2/NDF : 1388343.2/92

- sign 6323.372+/-0.857 χ^2/NDF : 695416.6/47

diff_bpm0l06Y_mean vs Slug



Right In: -0.890 ± 0.406 χ^2/NDF : 171.3/19

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

Right Out: -4.314 ± 0.355 χ^2/NDF : 662.0/24

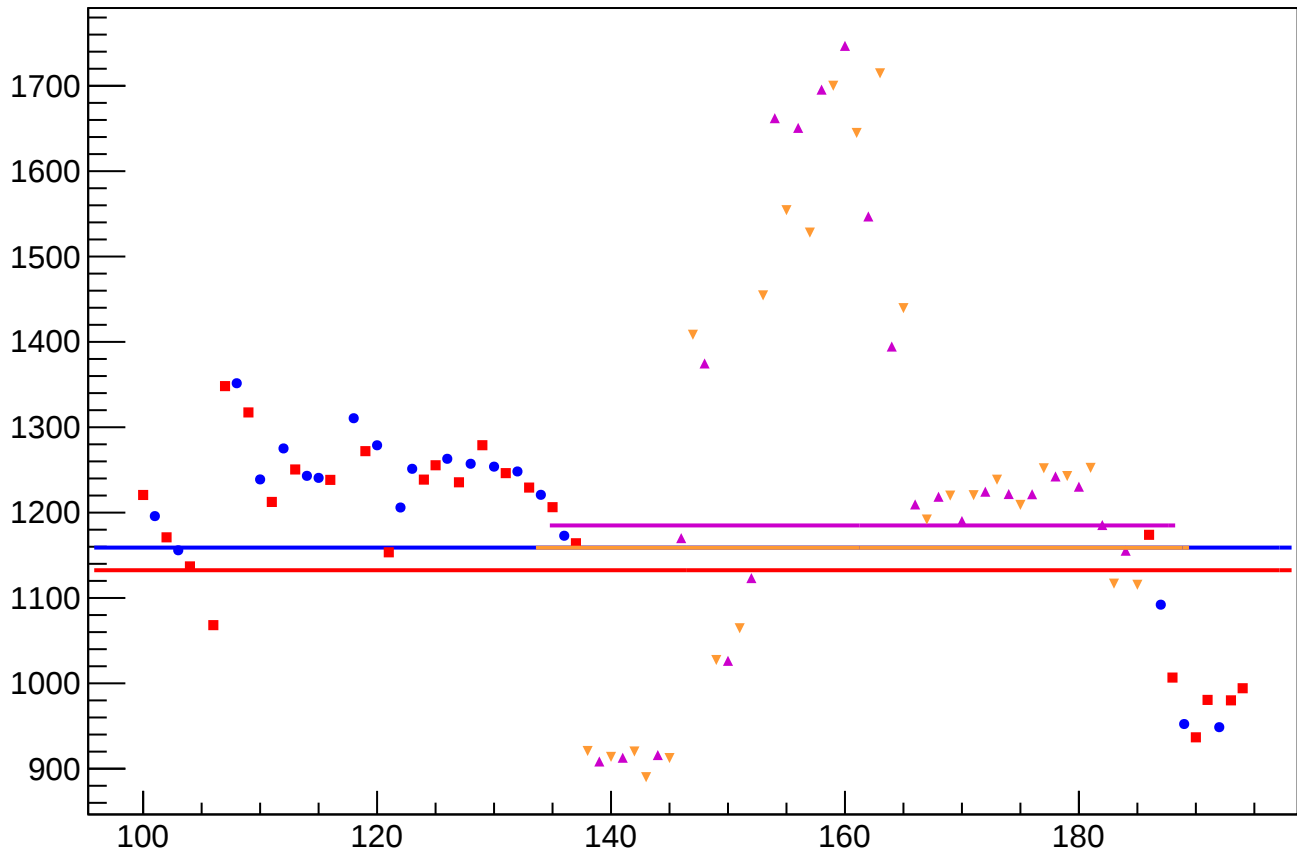
Left In: 1.502 ± 0.291 χ^2/NDF : 202.7/22

+ sign 2.089 ± 0.228 χ^2/NDF : 426.2/44

All: 0.603 ± 0.160 χ^2/NDF : 1535.1/92

- sign -0.835 ± 0.225 χ^2/NDF : 1025.7/47

diff_bpm0l06Y_rms vs Slug



Right In: 1159.029 $\pm$ 0.287 χ^2 /NDF: 208828.2/19

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

Right Out: 1132.506 $\pm$ 0.251 χ^2 /NDF: 240953.1/24

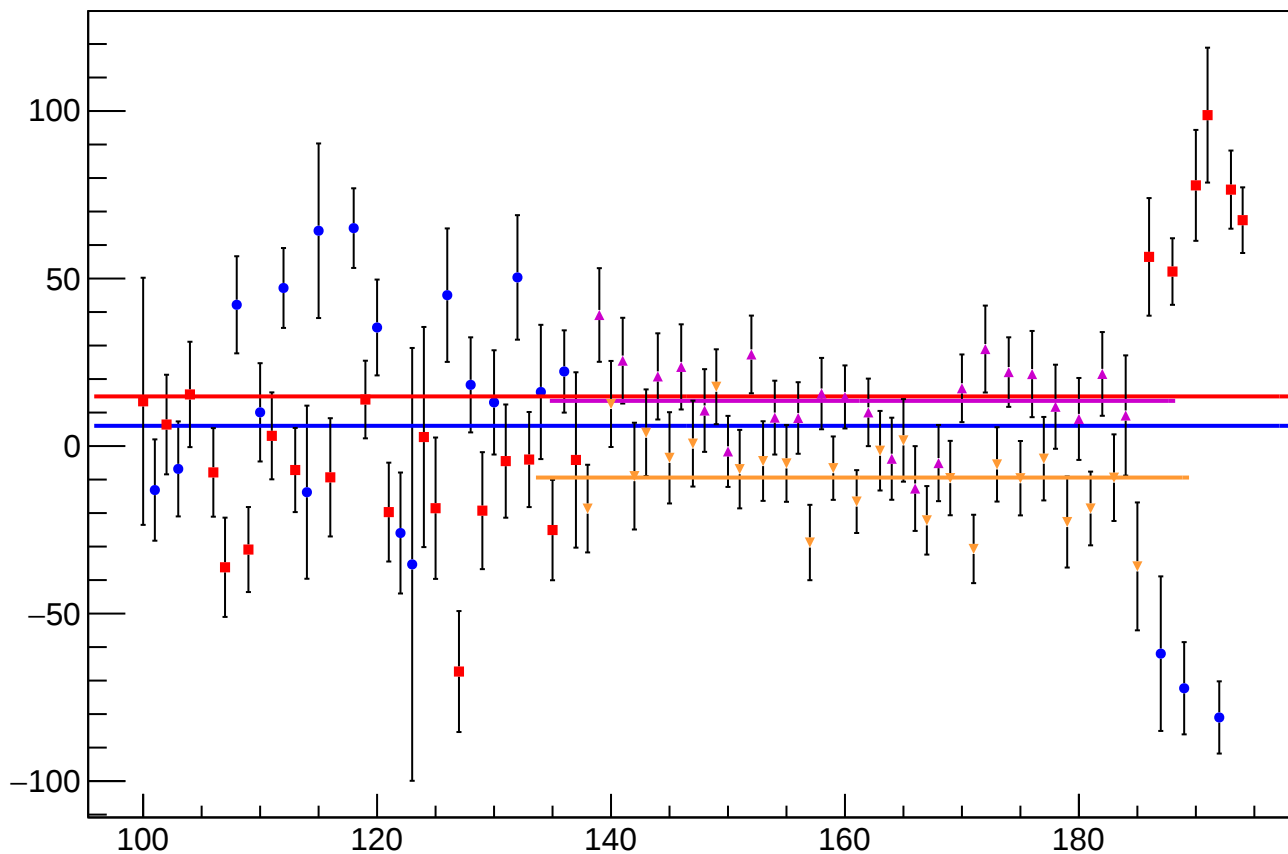
Left In: 1184.966 $\pm$ 0.206 χ^2 /NDF: 1190431.5/22

+ sign 1158.937 $\pm$ 0.162 χ^2 /NDF: 1619251.9/44

All: 1161.452 $\pm$ 0.113 χ^2 /NDF: 3077294.4/92

- sign 1163.888 $\pm$ 0.159 χ^2 /NDF: 1457565.2/47

diff_bpm0l07X_mean vs Slug



Right In: 6.040 ± 3.462 χ^2/NDF : 177.4/19

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

Right Out: 14.818 ± 2.955 χ^2/NDF : 185.6/24

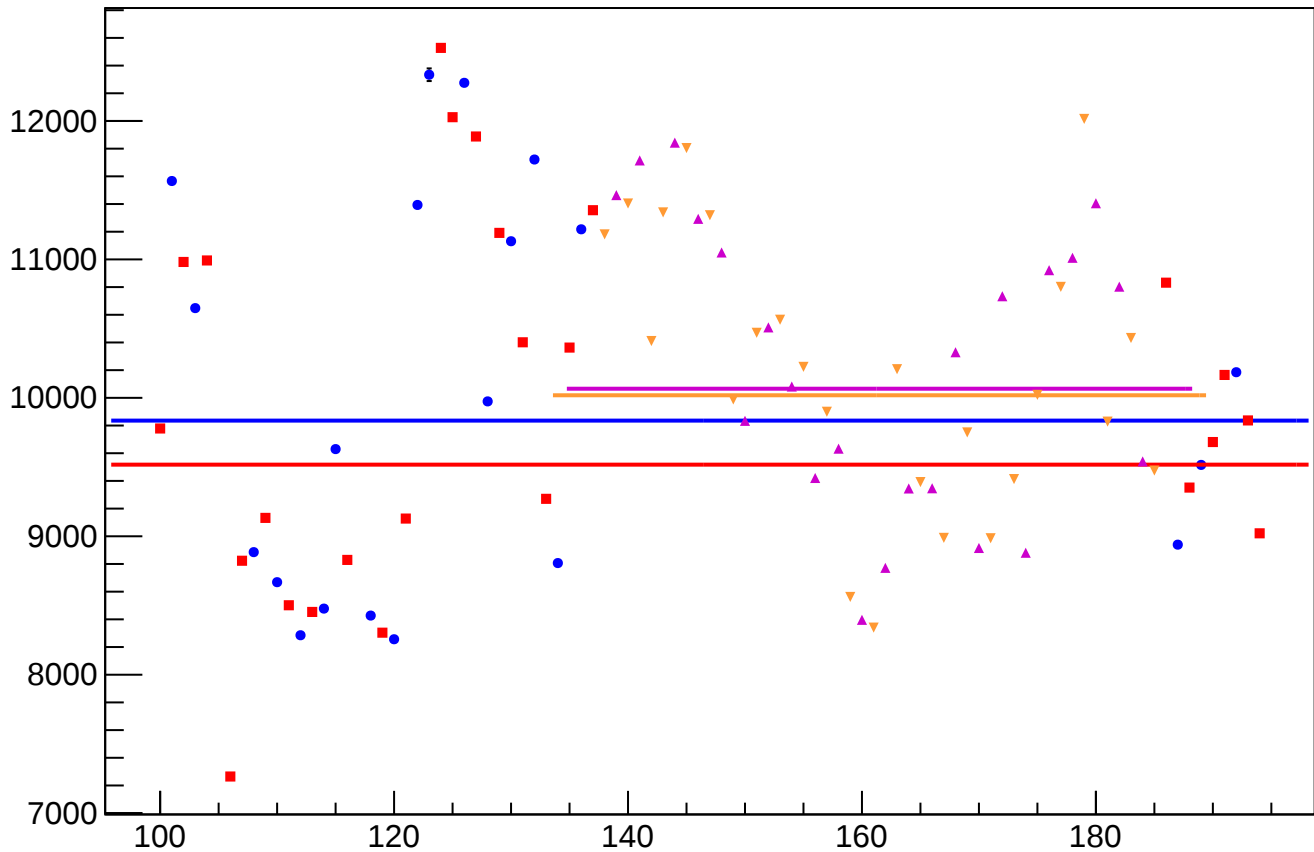
Left In: 13.485 ± 2.443 χ^2/NDF : 21.6/22

+ sign -4.504 ± 1.949 χ^2/NDF : 217.2/44

All: 5.082 ± 1.354 χ^2/NDF : 471.2/92

- sign 14.026 ± 1.883 χ^2/NDF : 207.2/47

diff_bpm0l07X_rms vs Slug



Right In: 9835.598 $\pm$ 2.448 χ^2 /NDF: 265312.6/19

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

Right Out: 9517.444 $\pm$ 2.090 χ^2 /NDF: 295344.8/24

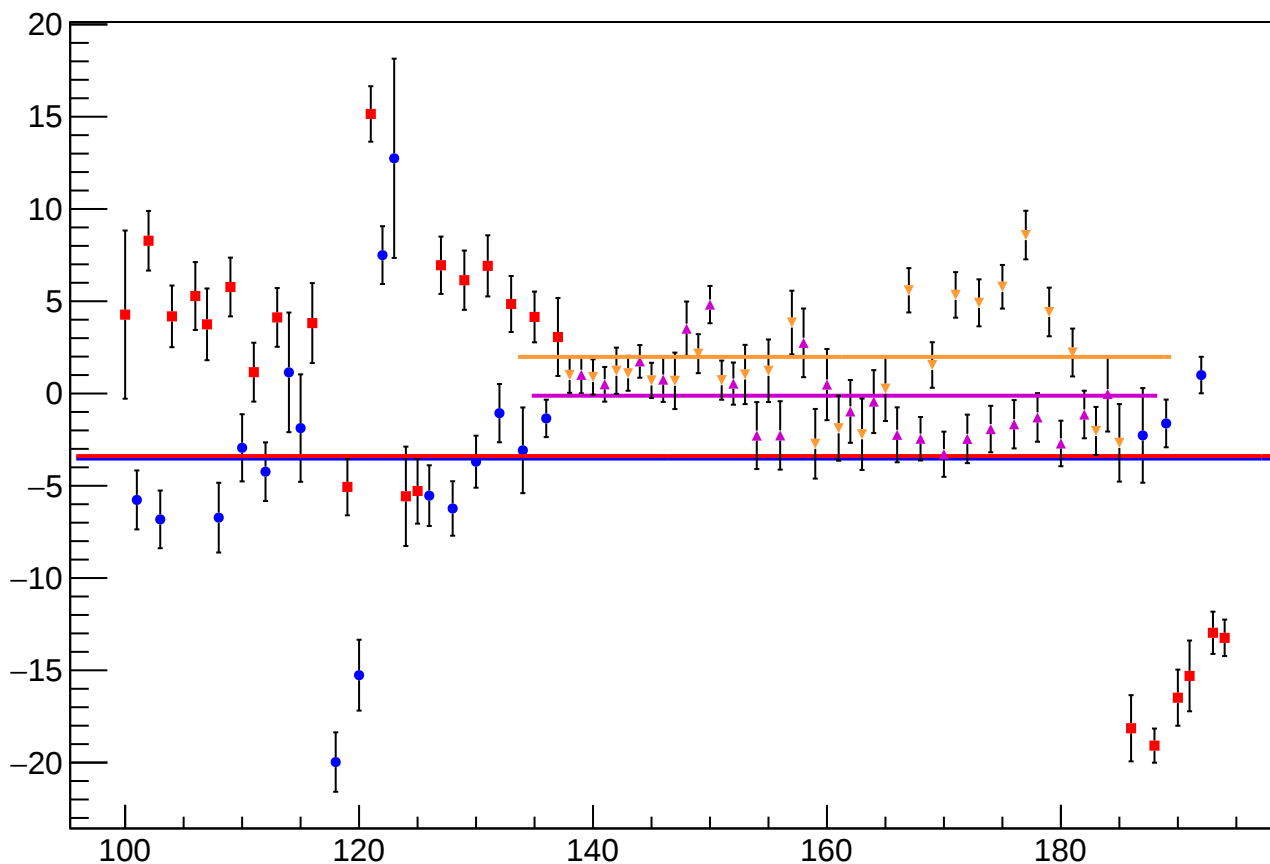
Left In: 10065.909 $\pm$ 1.727 χ^2 /NDF:357868.9/22

+ sign 9960.564 $\pm$ 1.378 χ^2 /NDF: 613662.7/44

All: 9899.895 $\pm$ 0.958 χ^2 /NDF: 1311545.5/92

- sign 9843.283 $\pm$ 1.331 χ^2 /NDF: 694137.1/47

diff_bpm0l07Y_mean vs Slug



Right In: -3.524 ± 0.359 $\chi^2/\text{NDF}: 247.4/19$

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

Right Out: -3.390 ± 0.310 $\chi^2/\text{NDF}: 1166.2/24$

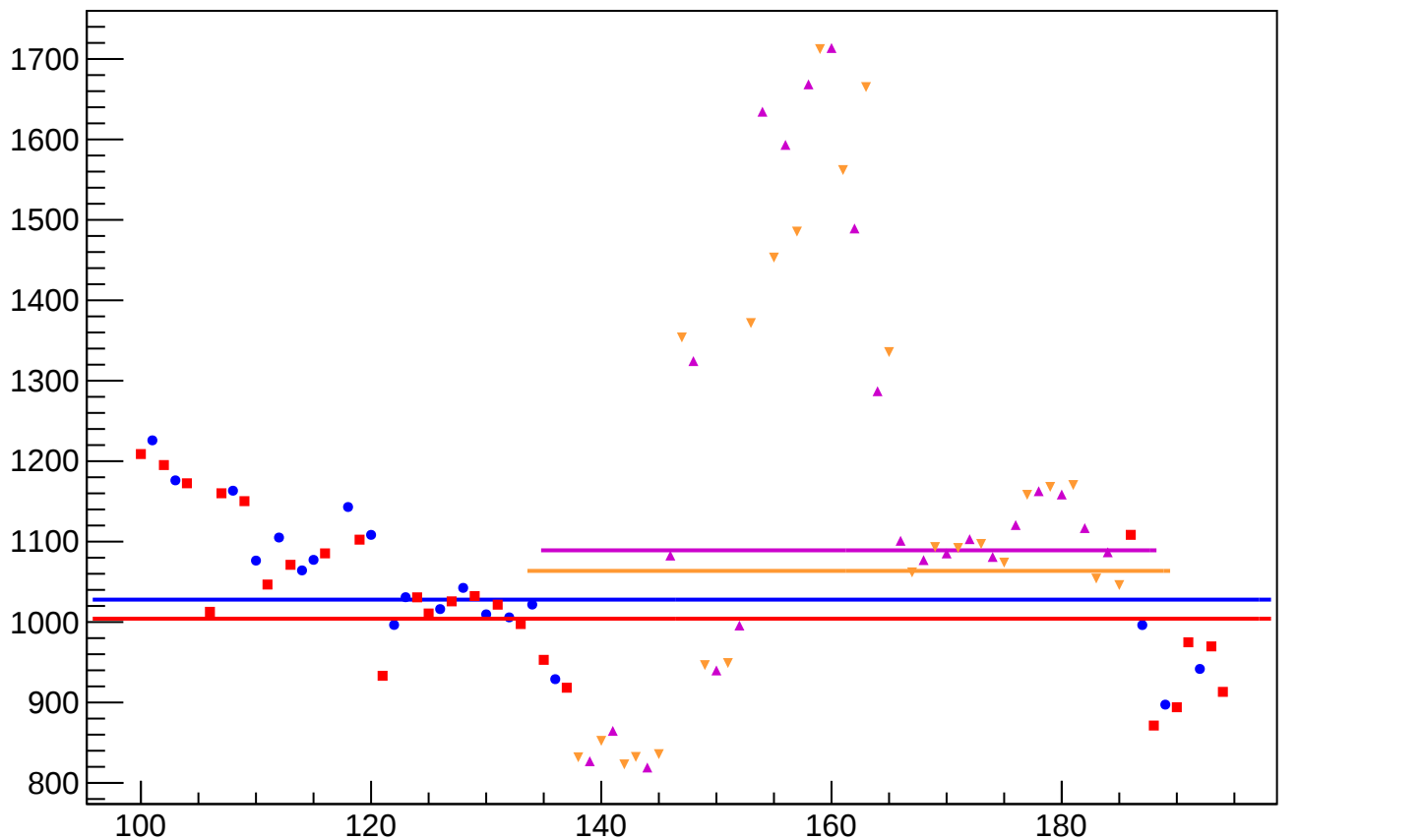
Left In: -0.120 ± 0.269 $\chi^2/\text{NDF}: 67.6/22$

+ sign 0.140 ± 0.208 $\chi^2/\text{NDF}: 505.1/44$

All: -0.710 ± 0.145 $\chi^2/\text{NDF}: 1835.1/92$

- sign -1.522 ± 0.203 $\chi^2/\text{NDF}: 1297.2/47$

diff_bpm0l07Y_rms vs Slug



Right In: 1027.881 $\pm$ 0.254 χ^2 /NDF: 136460.7/19

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

Right Out: 1004.165 $\pm$ 0.219 χ^2 /NDF: 187778.5/24

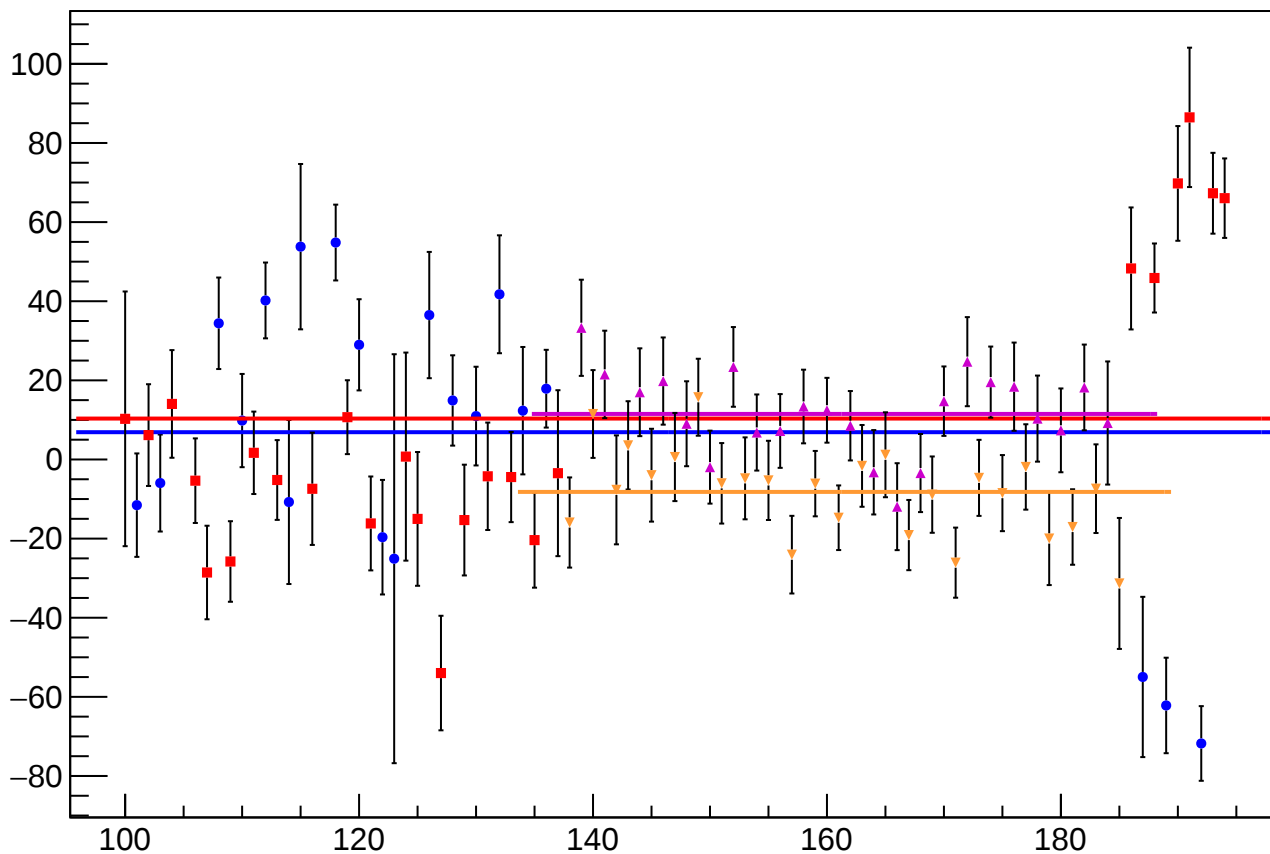
Left In: 1089.154 $\pm$ 0.190 χ^2 /NDF: 1430478.5/22

+ sign 1051.639 $\pm$ 0.147 χ^2 /NDF: 1766997.7/44

All: 1052.191 $\pm$ 0.103 χ^2 /NDF: 3471068.4/92

- sign 1052.718 $\pm$ 0.144 χ^2 /NDF: 1704043.2/47

diff_bpm0l08X_mean vs Slug



Right In: 6.897 ± 2.845 χ^2/NDF : 181.6/19

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

Right Out: 10.343 ± 2.481 χ^2/NDF : 190.6/24

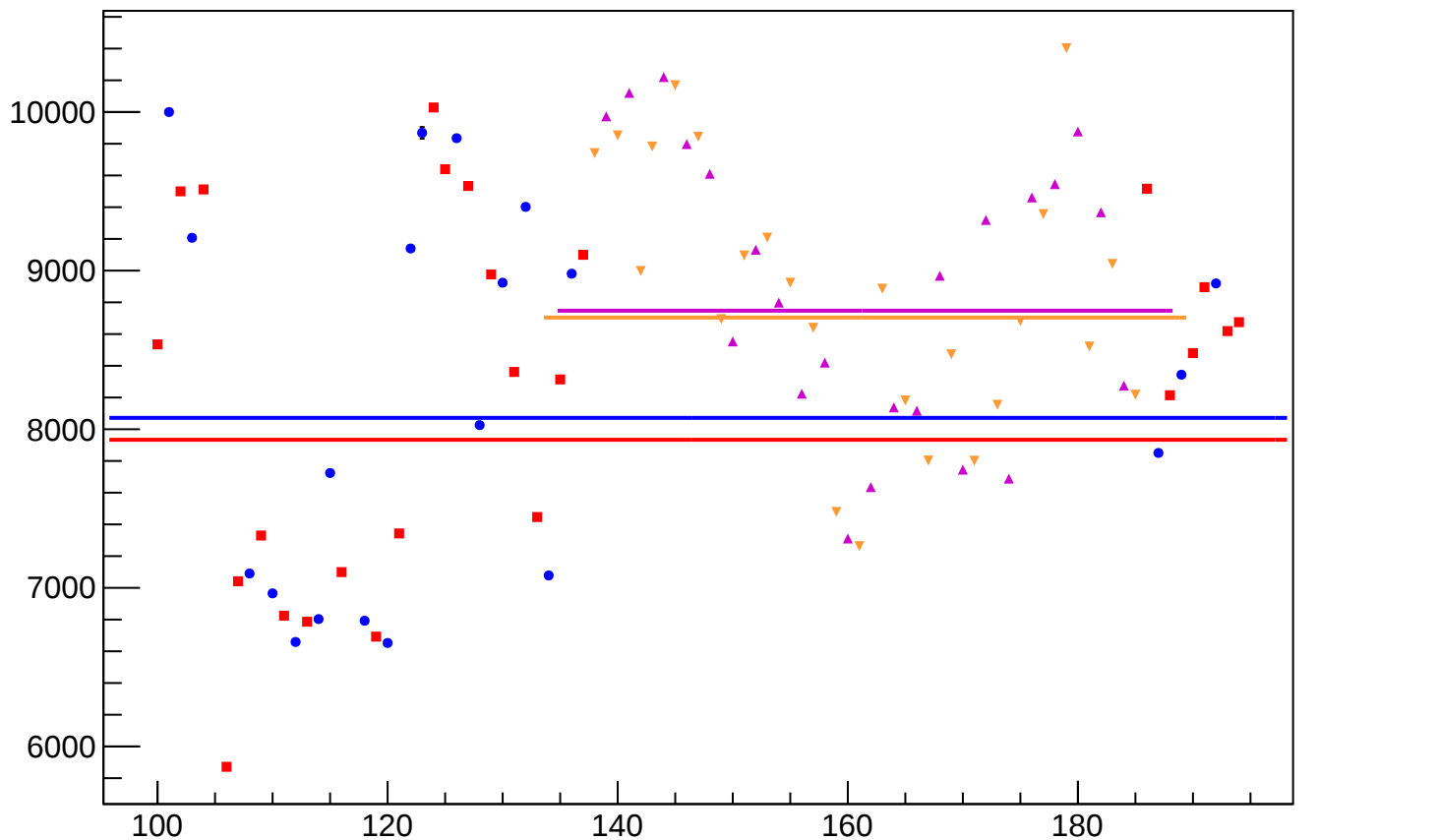
Left In: 11.515 ± 2.122 χ^2/NDF : 21.0/22

+ sign -3.042 ± 1.663 χ^2/NDF : 226.3/44

All: 4.203 ± 1.158 χ^2/NDF : 474.9/92

- sign 11.020 ± 1.613 χ^2/NDF : 211.8/47

diff_bpm0l08X_rms vs Slug



Right In: 8071.742 $\pm$ 2.012 χ^2 /NDF: 315330.5/19

Left Out: 8704.193 $\pm$ 1.449 χ^2 /NDF:332364.3/24

Right Out: 7933.649 $\pm$ 1.754 χ^2 /NDF: 380138.1/24

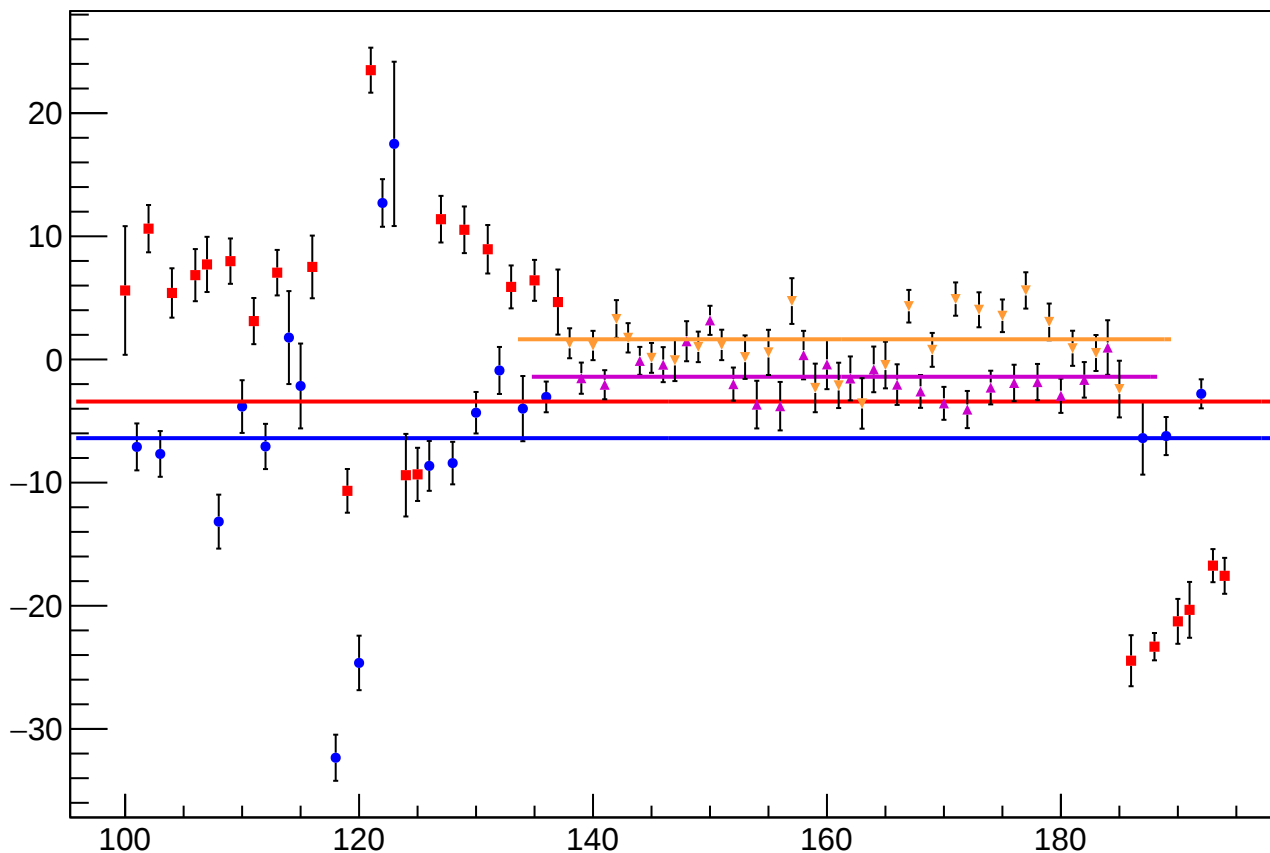
Left In: 8747.415 $\pm$ 1.501 χ^2 /NDF:347110.4/22

+ sign 8488.251 $\pm$ 1.176 χ^2 /NDF: 712776.5/44

All: 8444.583 $\pm$ 0.819 χ^2 /NDF: 1566969.7/92

- sign 8403.494 $\pm$ 1.140 χ^2 /NDF: 851515.1/47

diff_bpm0l08Y_mean vs Slug



Right In: -6.389 ± 0.428 χ^2/NDF : 418.3/19

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

Right Out: -3.416 ± 0.374 χ^2/NDF : 1465.9/24

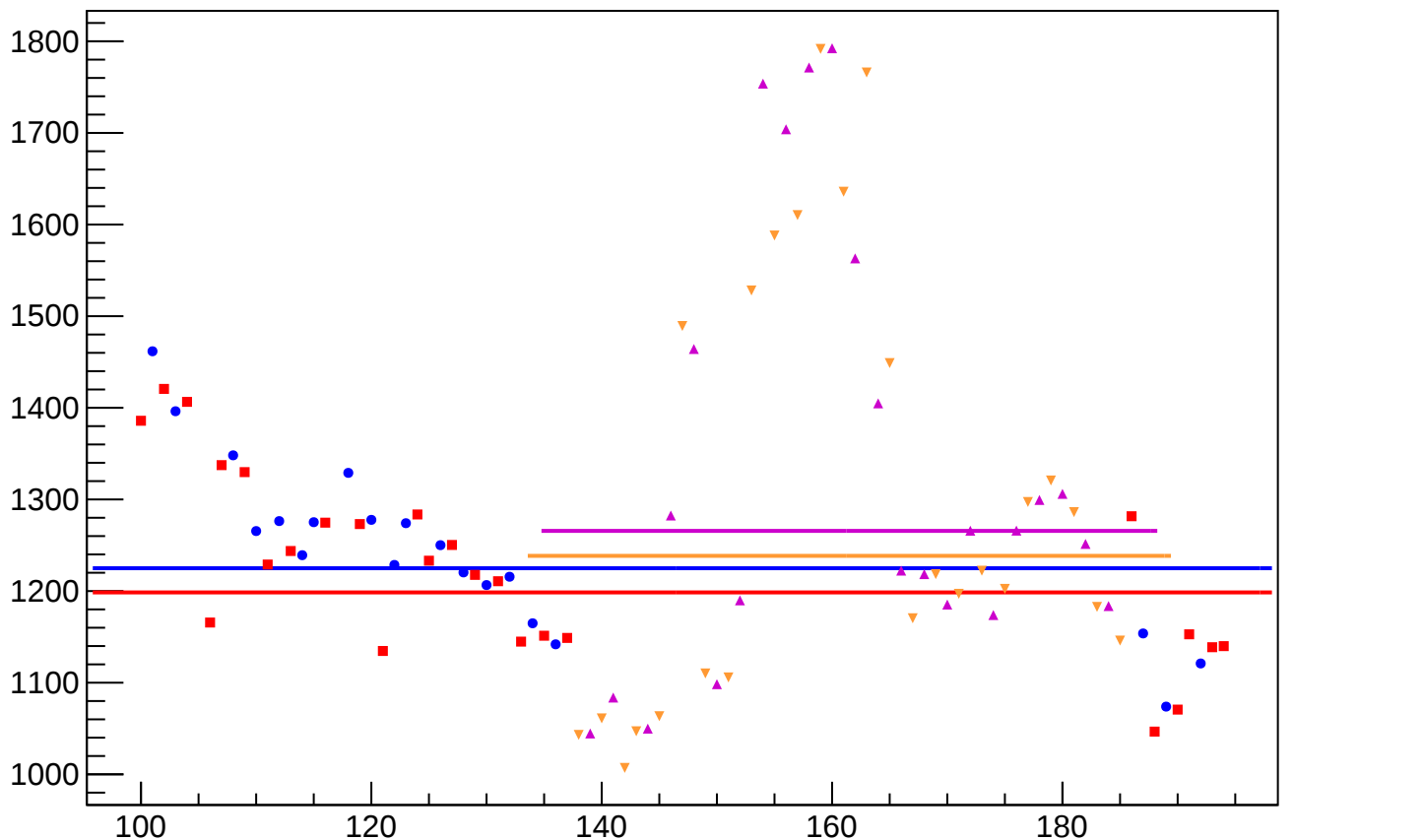
Left In: -1.404 ± 0.309 χ^2/NDF : 34.1/22

+ sign -0.933 ± 0.242 χ^2/NDF : 709.2/44

All: -1.586 ± 0.170 χ^2/NDF : 2240.7/92

- sign -2.220 ± 0.238 χ^2/NDF : 1517.2/47

diff_bpm0l08Y_rms vs Slug



Right In: 1224.933+/-0.302 χ^2/NDF : 110746.5/19

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

Right Out: 1198.531+/-0.265 χ^2/NDF : 145041.0/24

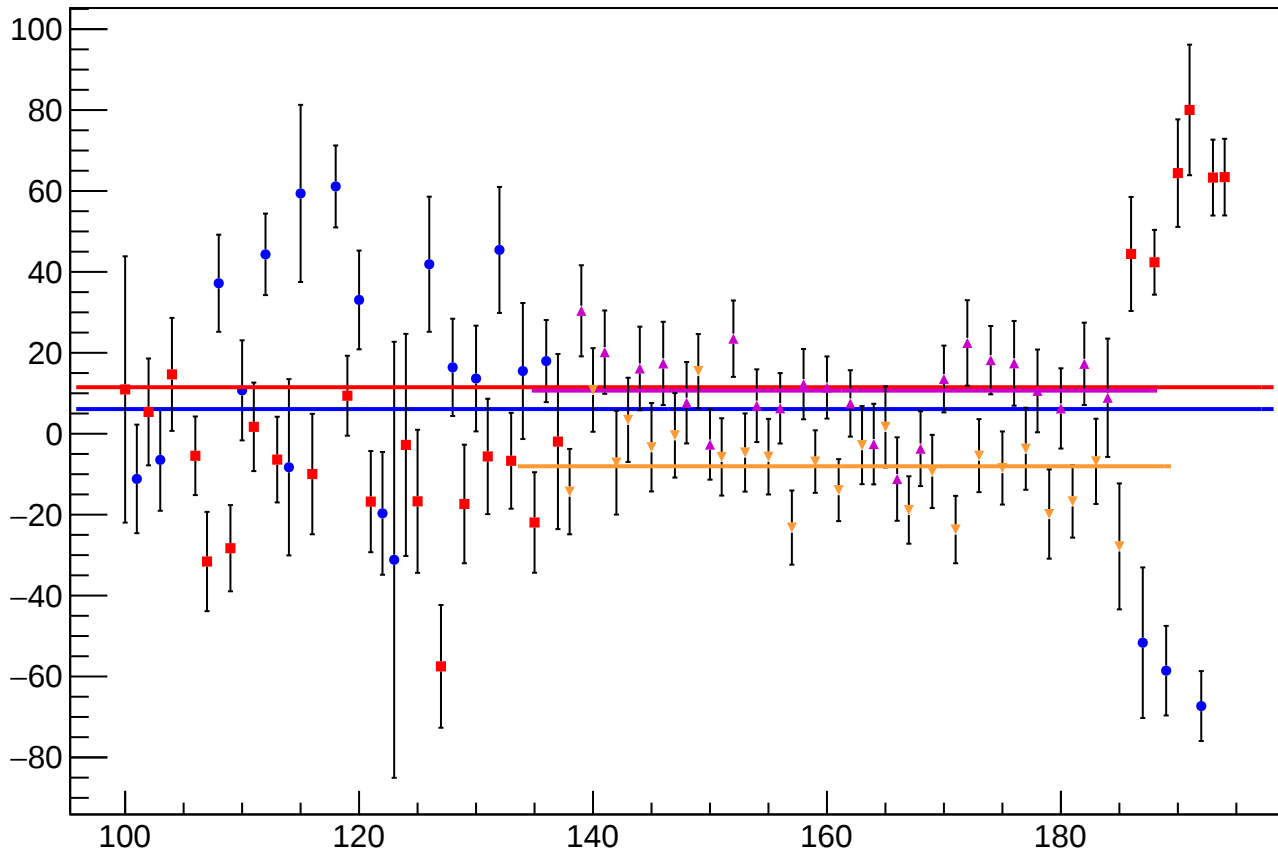
Left In: 1265.673+/-0.218 χ^2/NDF : 845157.0/22

+ sign 1234.111+/-0.171 χ^2/NDF : 1077274.9/44

All: 1236.317+/-0.120 χ^2/NDF : 2106084.3/92

- sign 1238.455+/-0.168 χ^2/NDF : 1028482.1/47

diff_bpm0l09X_mean vs Slug



Right In: 6.096 ± 2.902 χ^2/NDF : 197.7/19

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

Right Out: 11.496 ± 2.476 χ^2/NDF : 194.1/24

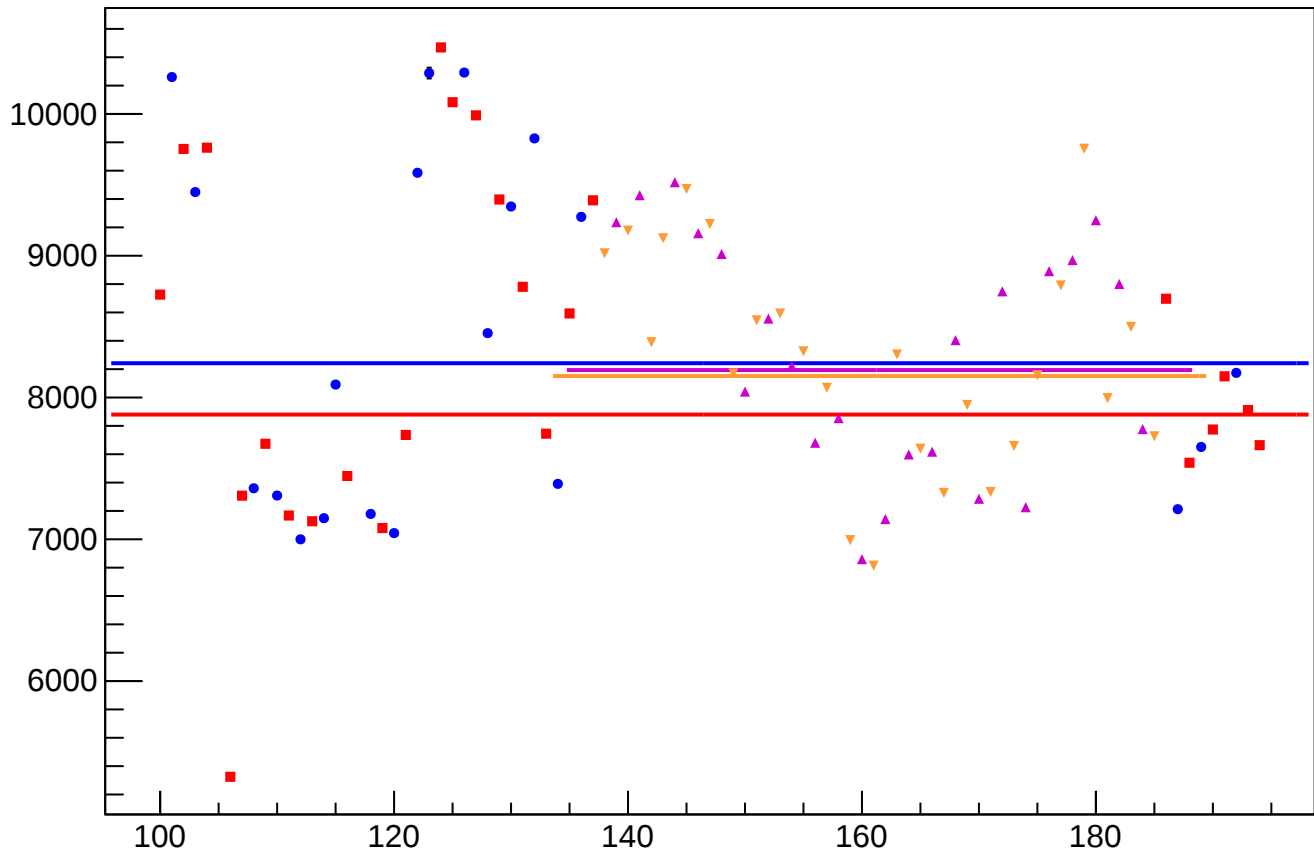
Left In: 10.653 ± 1.988 χ^2/NDF : 21.4/22

+ sign -3.744 ± 1.600 χ^2/NDF : 240.5/44

All: 3.855 ± 1.113 χ^2/NDF : 499.8/92

- sign 10.983 ± 1.550 χ^2/NDF : 215.6/47

diff_bpm0l09X_rms vs Slug



Right In: 8242.073+/-2.052 χ^2/NDF : 284924.4/19

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

Right Out: 7879.723+/-1.751 χ^2/NDF : 400812.1/24

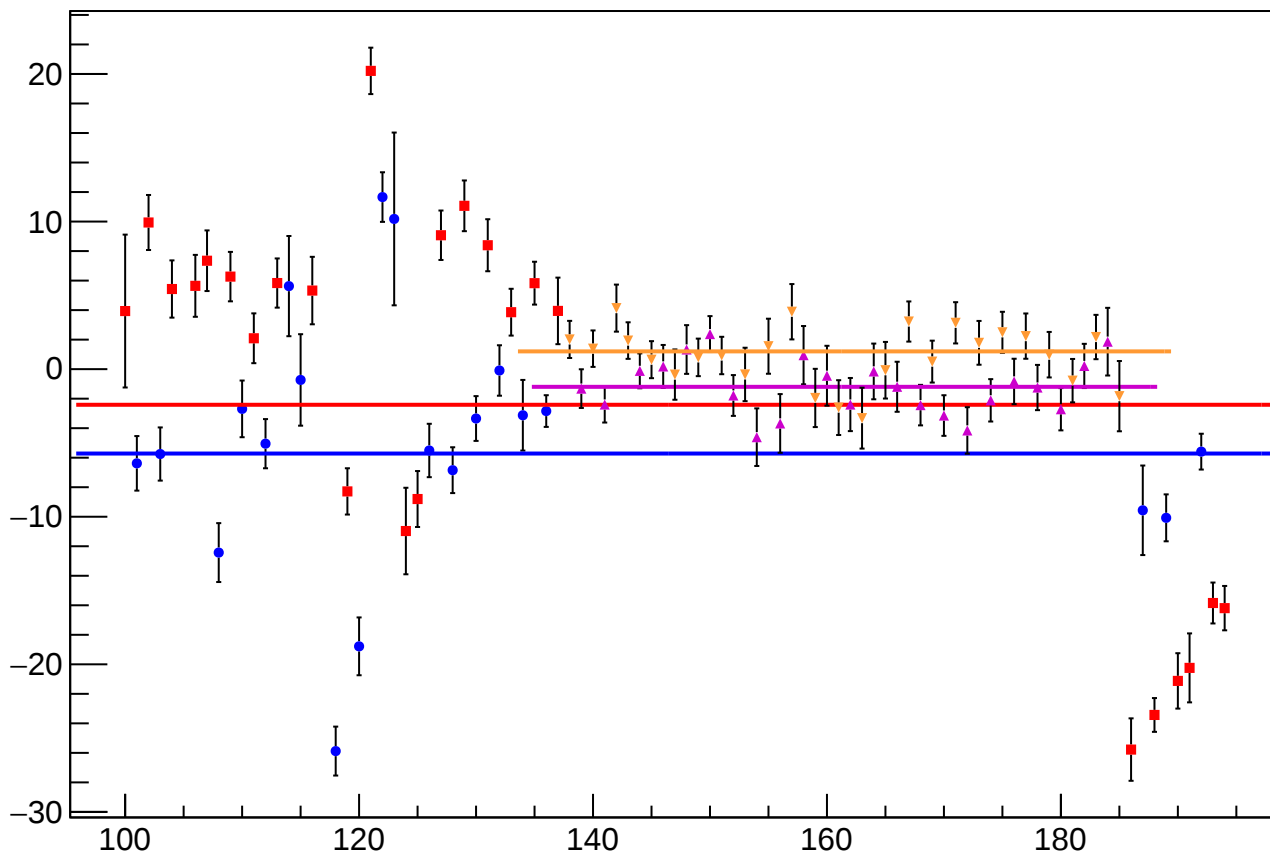
Left In: 8193.636+/-1.405 χ^2/NDF : 338377.6/22

+ sign 8179.031+/-1.132 χ^2/NDF : 608083.9/44

All: 8123.095+/-0.787 χ^2/NDF : 1371561.3/92

- sign 8070.617+/-1.096 χ^2/NDF : 758740.8/47

diff_bpm0l09Y_mean vs Slug



Right In: -5.718 ± 0.395 χ^2/NDF : 365.8/19

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

Right Out: -2.414 ± 0.353 χ^2/NDF : 1406.5/24

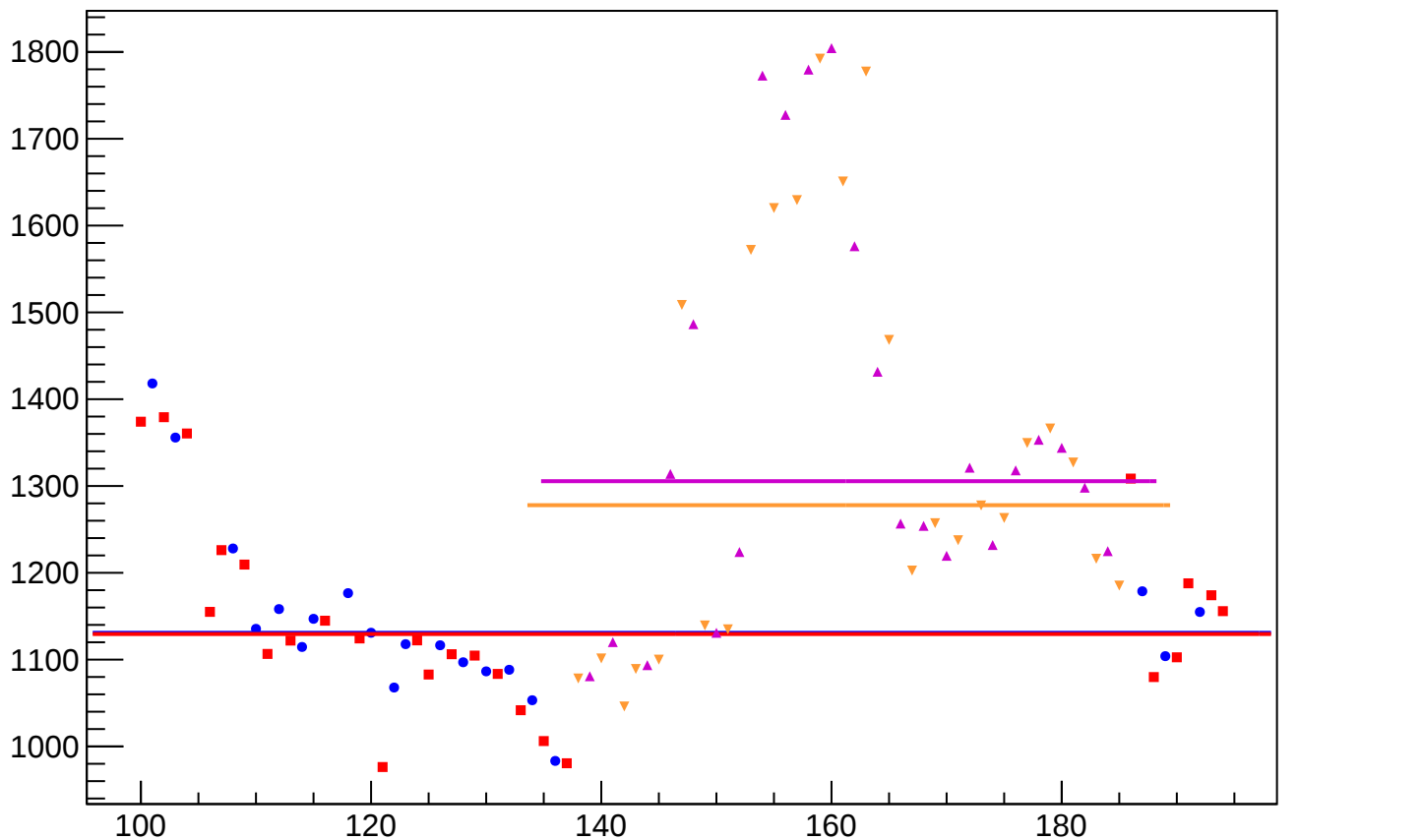
Left In: -1.198 ± 0.318 χ^2/NDF : 31.2/22

+ sign -1.354 ± 0.240 χ^2/NDF : 589.2/44

All: -1.551 ± 0.168 χ^2/NDF : 2034.8/92

- sign -1.743 ± 0.236 χ^2/NDF : 1444.2/47

diff_bpm0l09Y_rms vs Slug



Right In: 1130.880 $\pm$ 0.279 χ^2 /NDF: 134976.0/19

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

Right Out: 1129.474 $\pm$ 0.250 χ^2 /NDF: 152614.6/24

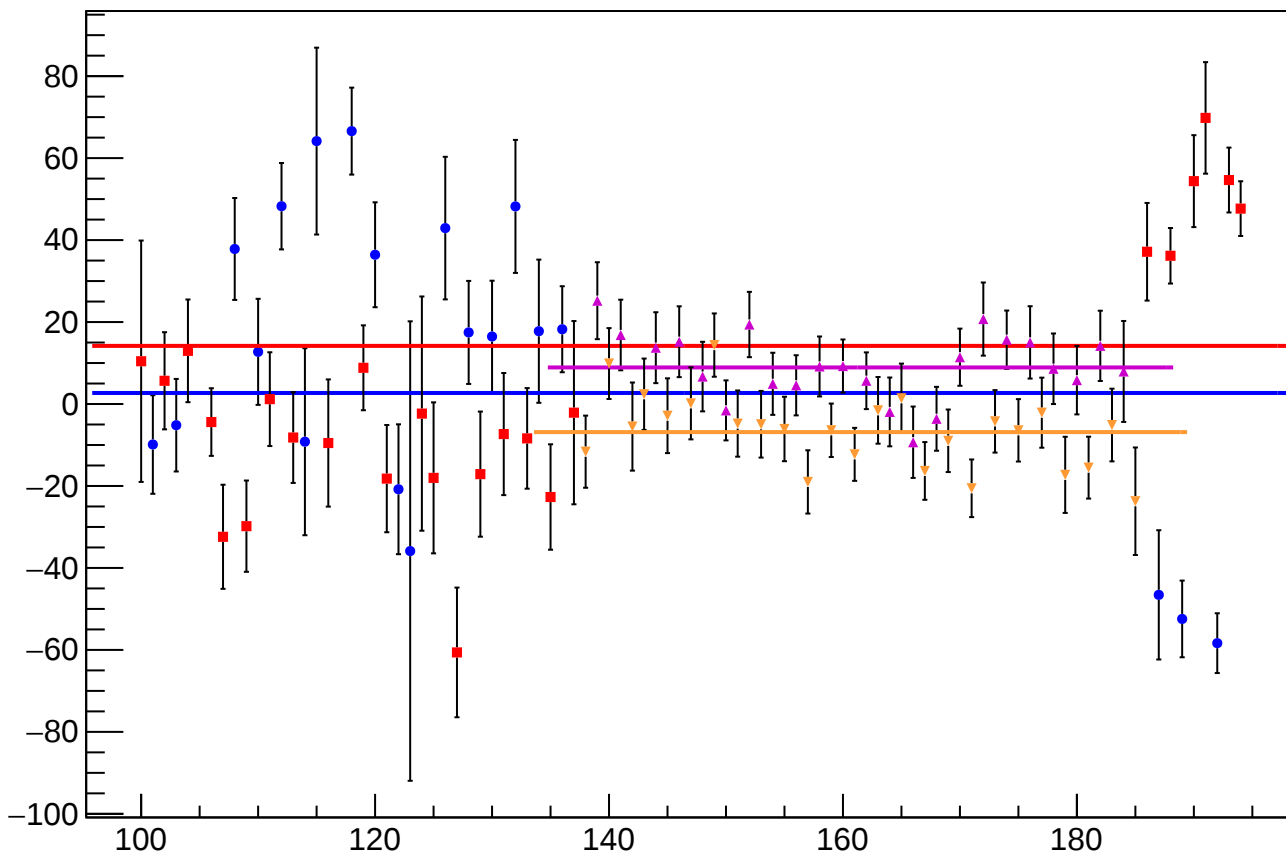
Left In: 1305.541 $\pm$ 0.225 χ^2 /NDF: 760450.8/22

+ sign 1223.598 $\pm$ 0.170 χ^2 /NDF: 1187734.7/44

All: 1225.144 $\pm$ 0.119 χ^2 /NDF: 2375451.2/92

- sign 1226.642 $\pm$ 0.167 χ^2 /NDF: 1187553.3/47

diff_bpm0l10X_mean vs Slug



Right In: 2.695 ± 2.831 χ^2/NDF : 215.4/19

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

Right Out: 14.184 ± 2.289 χ^2/NDF : 188.1/24

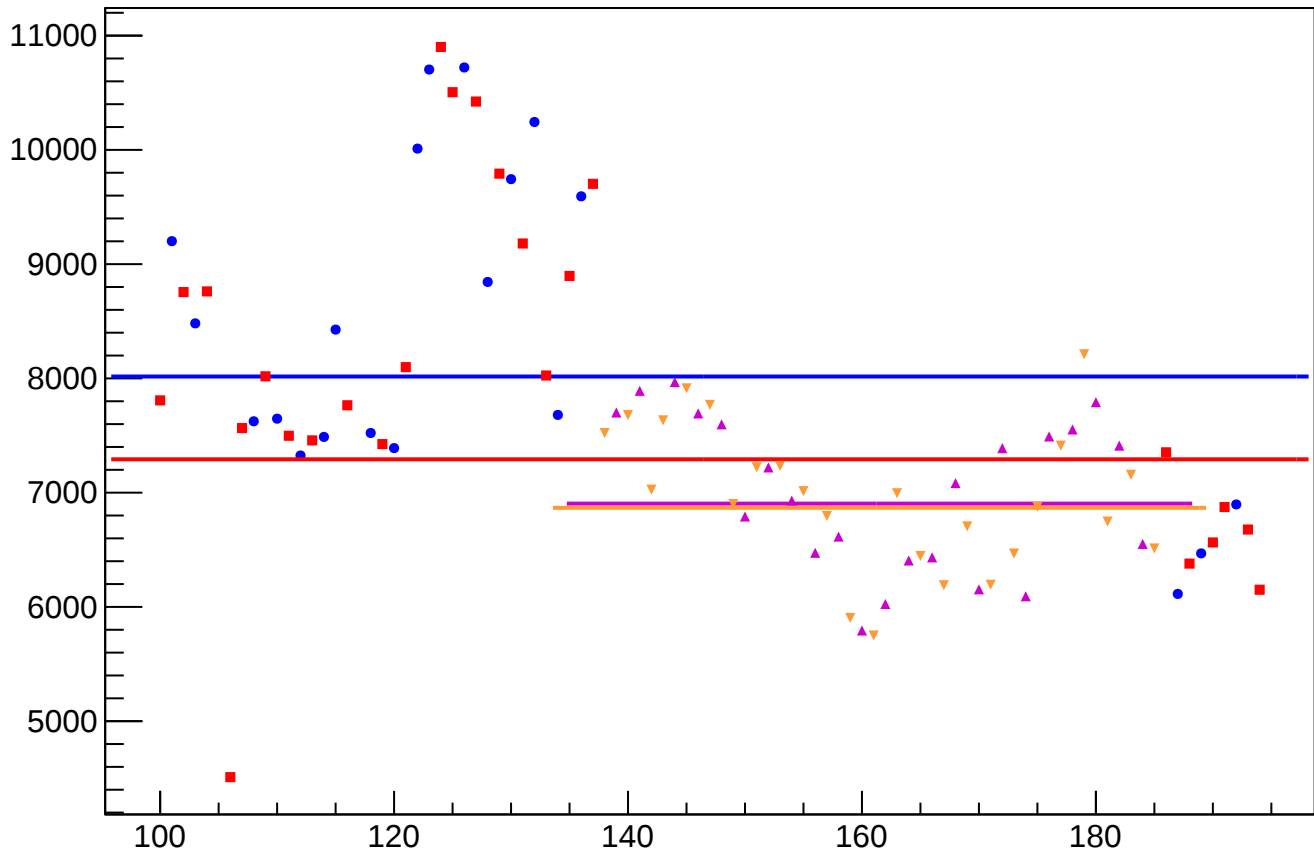
Left In: 8.923 ± 1.674 χ^2/NDF : 21.8/22

+ sign -4.509 ± 1.403 χ^2/NDF : 252.7/44

All: 3.412 ± 0.973 χ^2/NDF : 527.4/92

- sign 10.757 ± 1.351 χ^2/NDF : 213.3/47

diff_bpm0l10X_rms vs Slug



Right In: 8016.566 ± 2.002 χ^2/NDF : 385984.8/19

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

Right Out: 7292.035 ± 1.618 χ^2/NDF : 741877.4/24

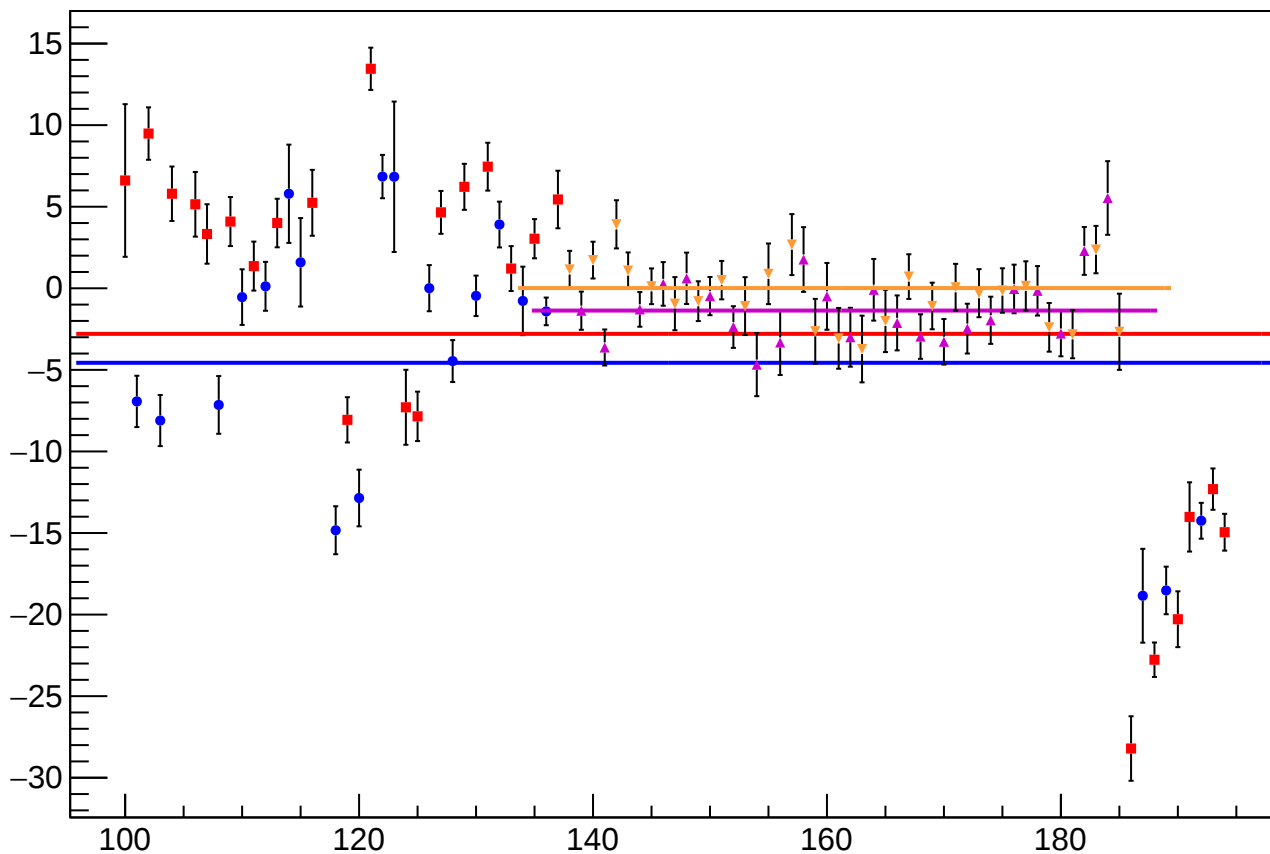
Left In: 6904.117 ± 1.184 χ^2/NDF : 325912.6/22

+ sign 7149.655 ± 0.992 χ^2/NDF : 941465.4/44

All: 7092.432 ± 0.688 χ^2/NDF : 2053096.0/92

- sign 7039.361 ± 0.956 χ^2/NDF : 1105219.5/47

diff_bpm0l10Y_mean vs Slug



Right In: -4.567 ± 0.336 χ^2/NDF : 462.2/19

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

Right Out: -2.792 ± 0.303 χ^2/NDF : 1372.5/24

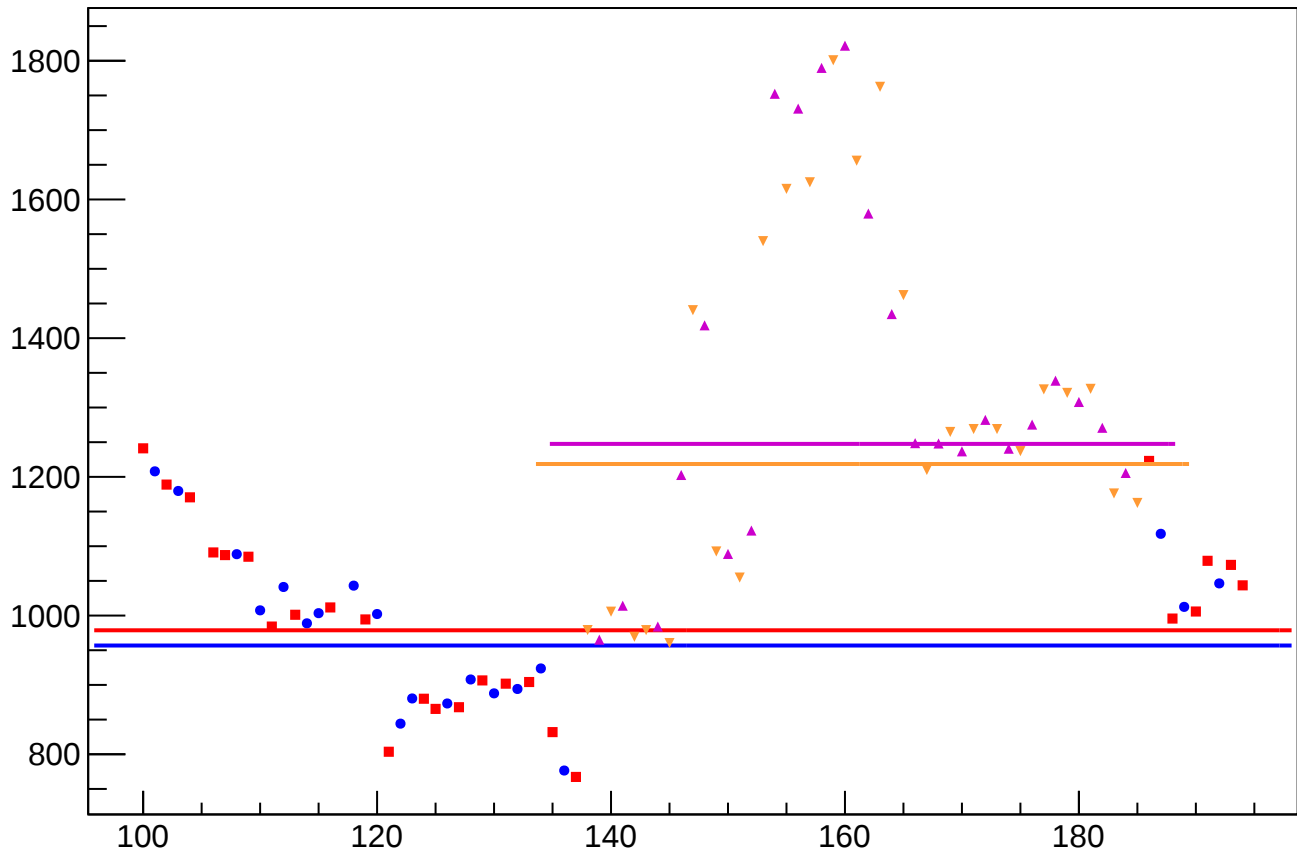
Left In: -1.365 ± 0.306 χ^2/NDF : 38.5/22

+ sign -1.943 ± 0.219 χ^2/NDF : 603.8/44

All: -2.015 ± 0.154 χ^2/NDF : 2026.0/92

- sign -2.085 ± 0.215 χ^2/NDF : 1422.0/47

diff_bpm0l10Y_rms vs Slug



Right In: 956.807 $\pm$ 0.237 χ^2 /NDF: 268037.0/19

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

Right Out: 978.761 $\pm$ 0.214 χ^2 /NDF: 286340.8/24

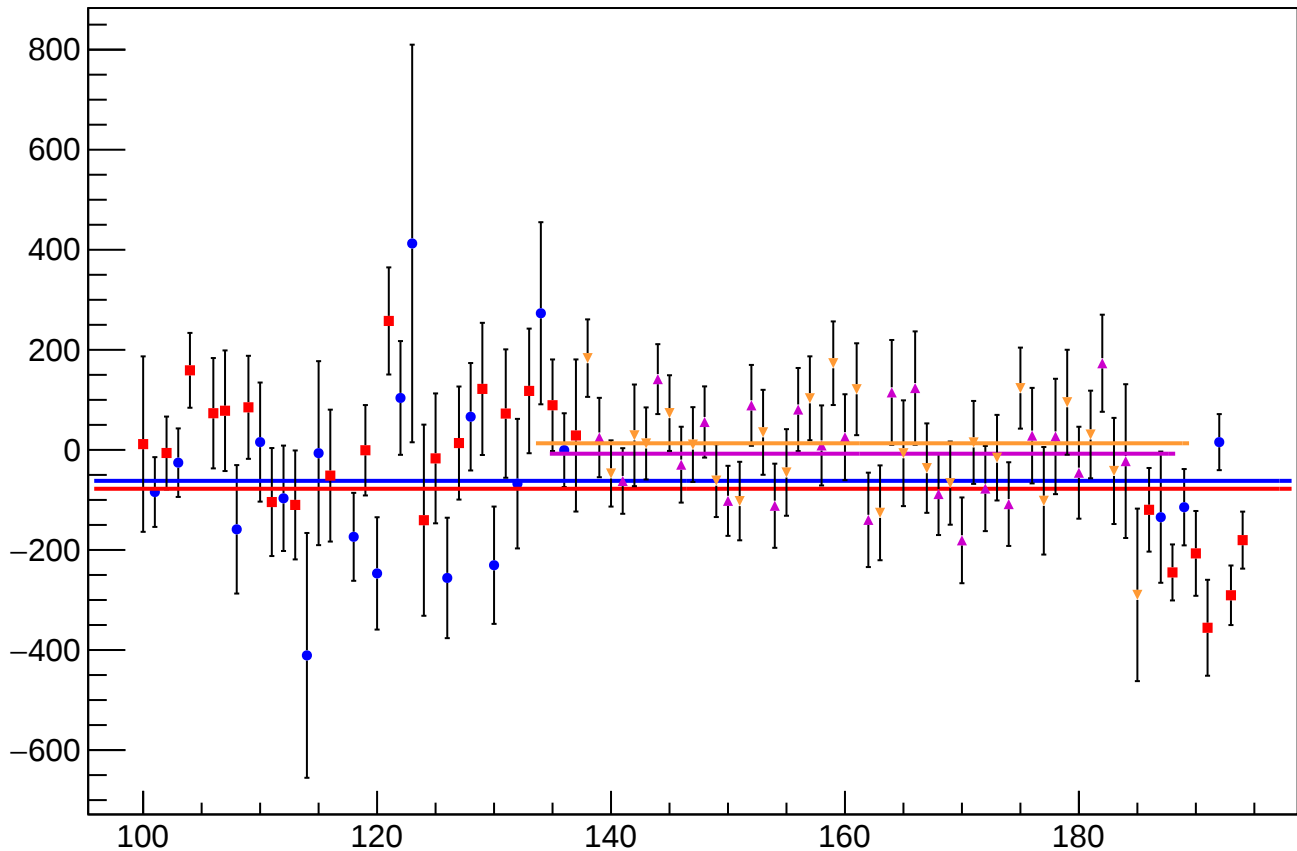
Left In: 1247.538 $\pm$ 0.216 χ^2 /NDF:1073390.3/22

+ sign 1106.707 $\pm$ 0.155 χ^2 /NDF: 2230353.5/44

All: 1109.436 $\pm$ 0.109 χ^2 /NDF: 4371003.3/92

- sign 1112.060 $\pm$ 0.152 χ^2 /NDF: 2140042.9/47

diff_bpm0r03X_mean vs Slug



Right In: -61.869 ± 22.194 χ^2/NDF : 24.4/19

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

Right Out: -77.713 ± 18.591 χ^2/NDF : 74.9/24

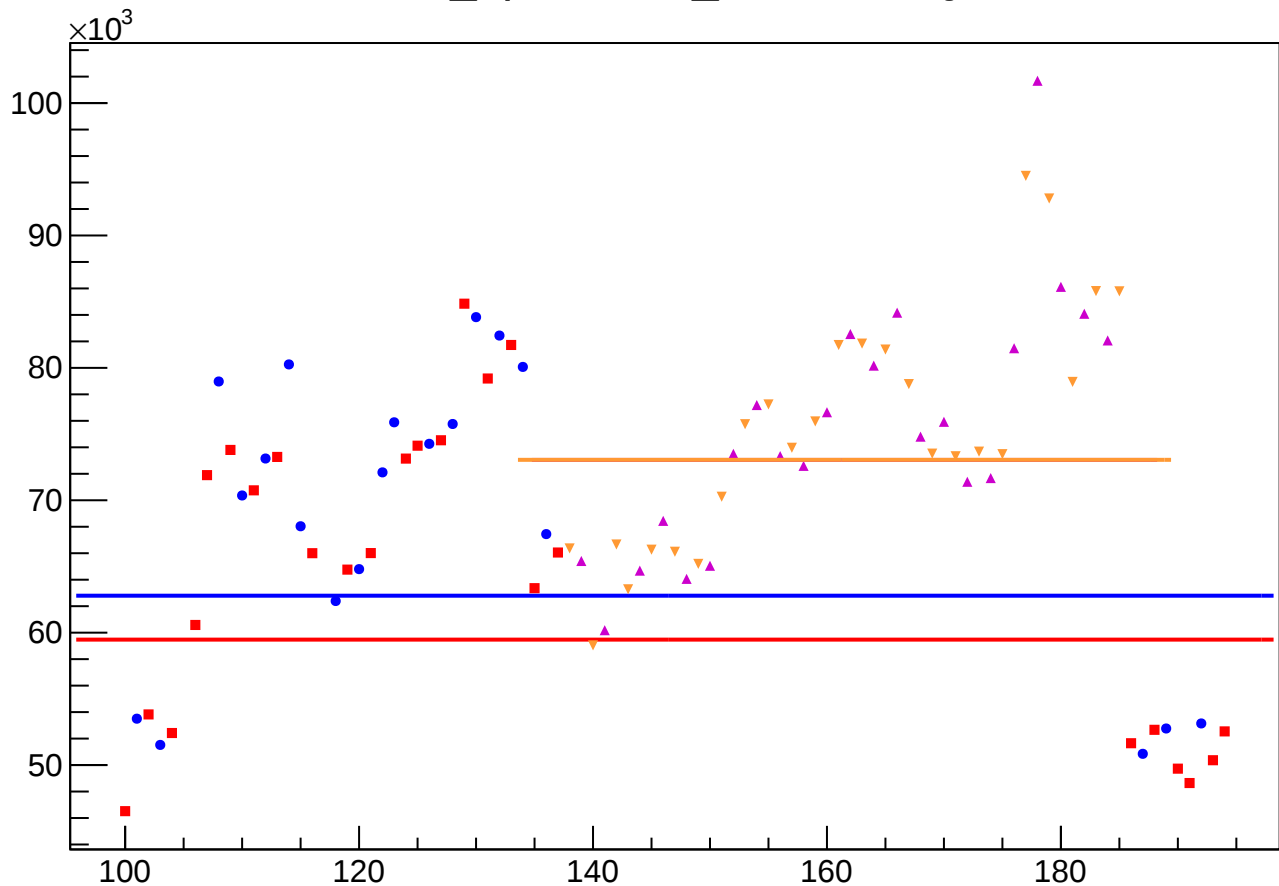
Left In: -7.618 ± 17.672 χ^2/NDF : 28.1/22

+ sign -14.854 ± 13.569 χ^2/NDF : 58.3/44

All: -28.621 ± 9.314 χ^2/NDF : 170.7/92

- sign -40.889 ± 12.808 χ^2/NDF : 110.4/47

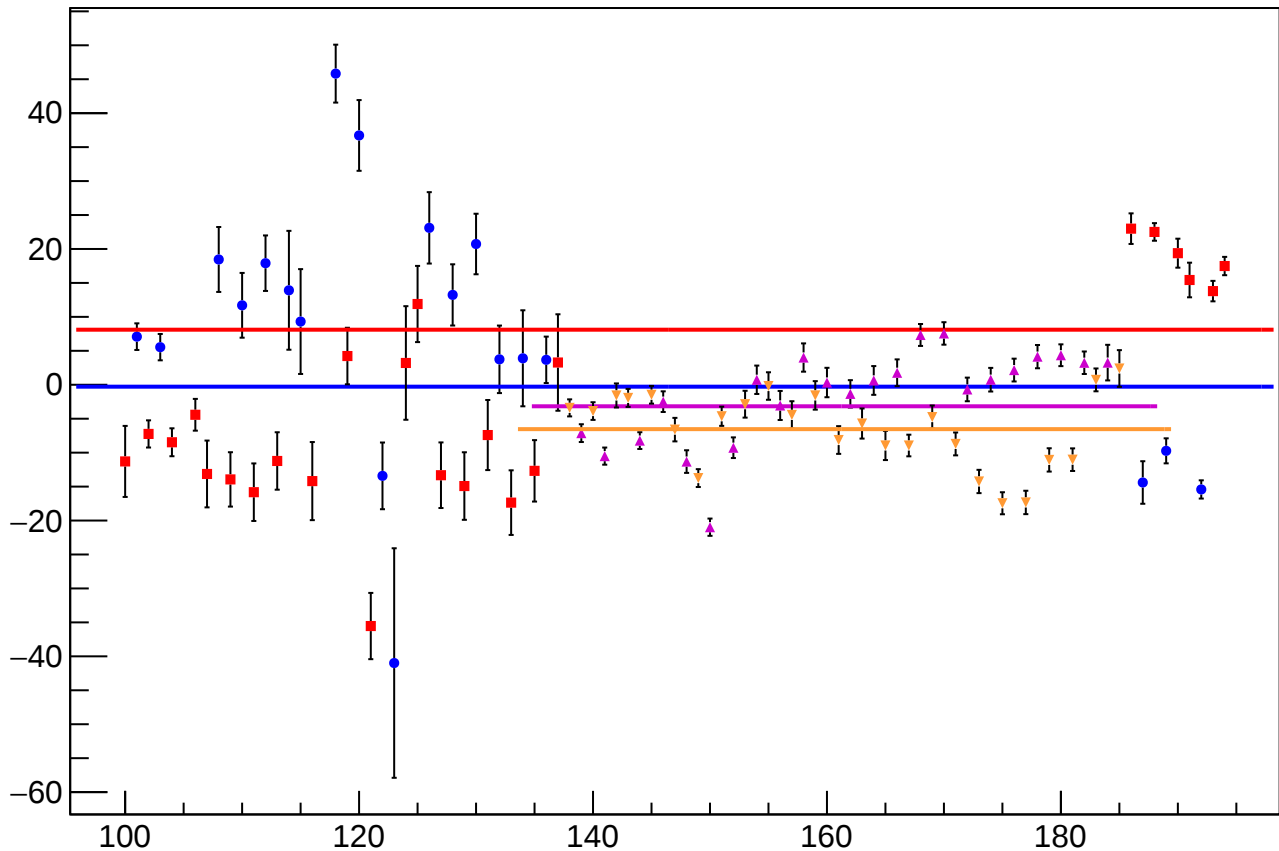
diff_bpm0r03X_rms vs Slug



Right In: 62792.135 $\pm$ 15.694 χ^2 /NDF: 471293.0/19
 Left Out: 73054.401 $\pm$ 12.124 χ^2 /NDF: 473050.9/24
 Right Out: 59474.827 $\pm$ 13.146 χ^2 /NDF: 613068.7/24
 Left In: 73045.500 $\pm$ 12.496 χ^2 /NDF: 463525.5/22

+ sign 69218.739 $\pm$ 9.594 χ^2 /NDF: 1212125.1/44
 All: 67836.131 $\pm$ 6.586 χ^2 /NDF: 2887825.4/9
 - sign 66604.097 $\pm$ 9.057 χ^2 /NDF: 1636429.5/47

diff_bpm0r03Y_mean vs Slug



Right In: -0.282 ± 0.695 $\chi^2/\text{NDF}: 475.9/19$

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

Right Out: 8.110 ± 0.536 $\chi^2/\text{NDF}: 730.9/24$

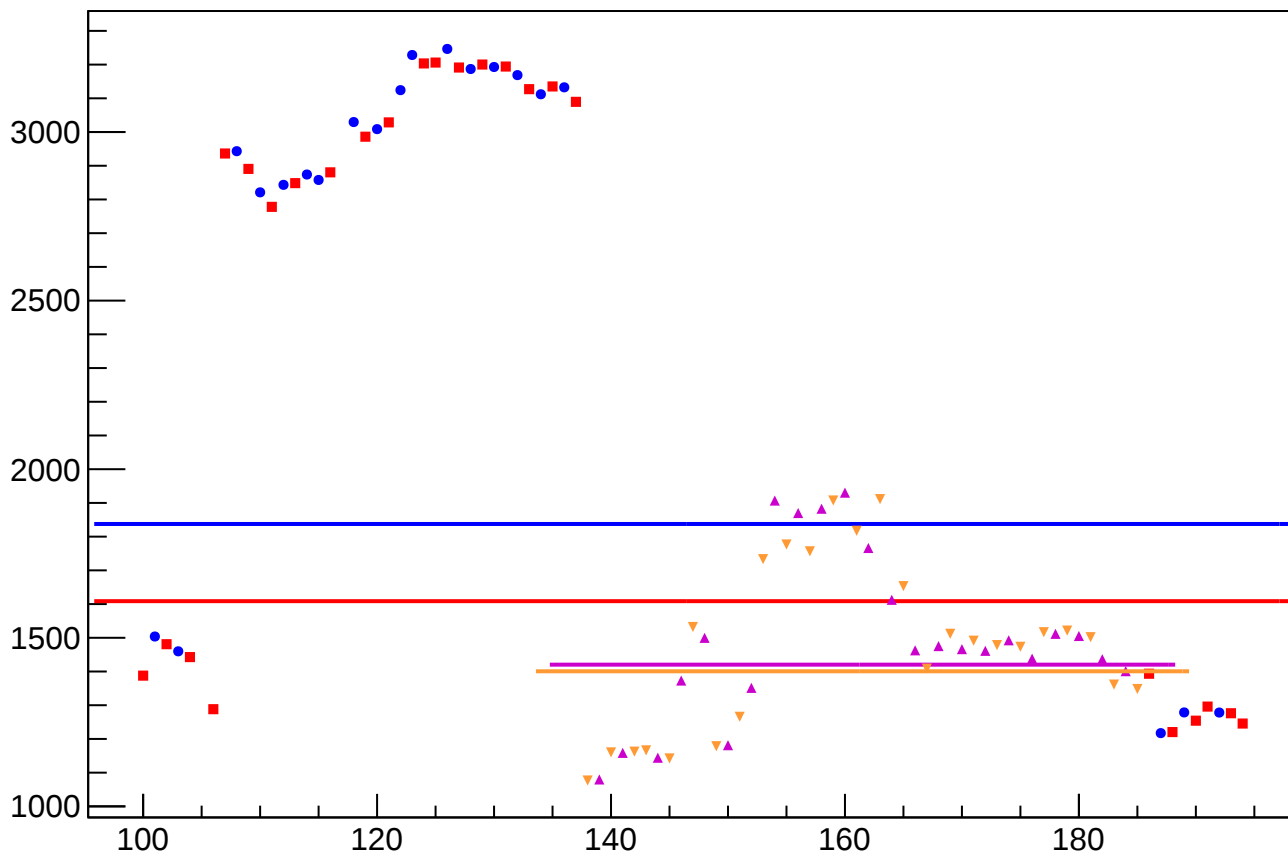
Left In: -3.171 ± 0.346 $\chi^2/\text{NDF}: 487.3/22$

+ sign -5.375 ± 0.299 $\chi^2/\text{NDF}: 794.6/44$

All: -2.529 ± 0.209 $\chi^2/\text{NDF}: 2501.1/92$

- sign 0.157 ± 0.291 $\chi^2/\text{NDF}: 1530.9/47$

diff_bpm0r03Y_rms vs Slug



Right In: 1837.535 $\pm$ 0.491 χ^2 /NDF: 2529639.0/19

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

Right Out: 1608.625 $\pm$ 0.379 χ^2 /NDF: 3109646.3/24

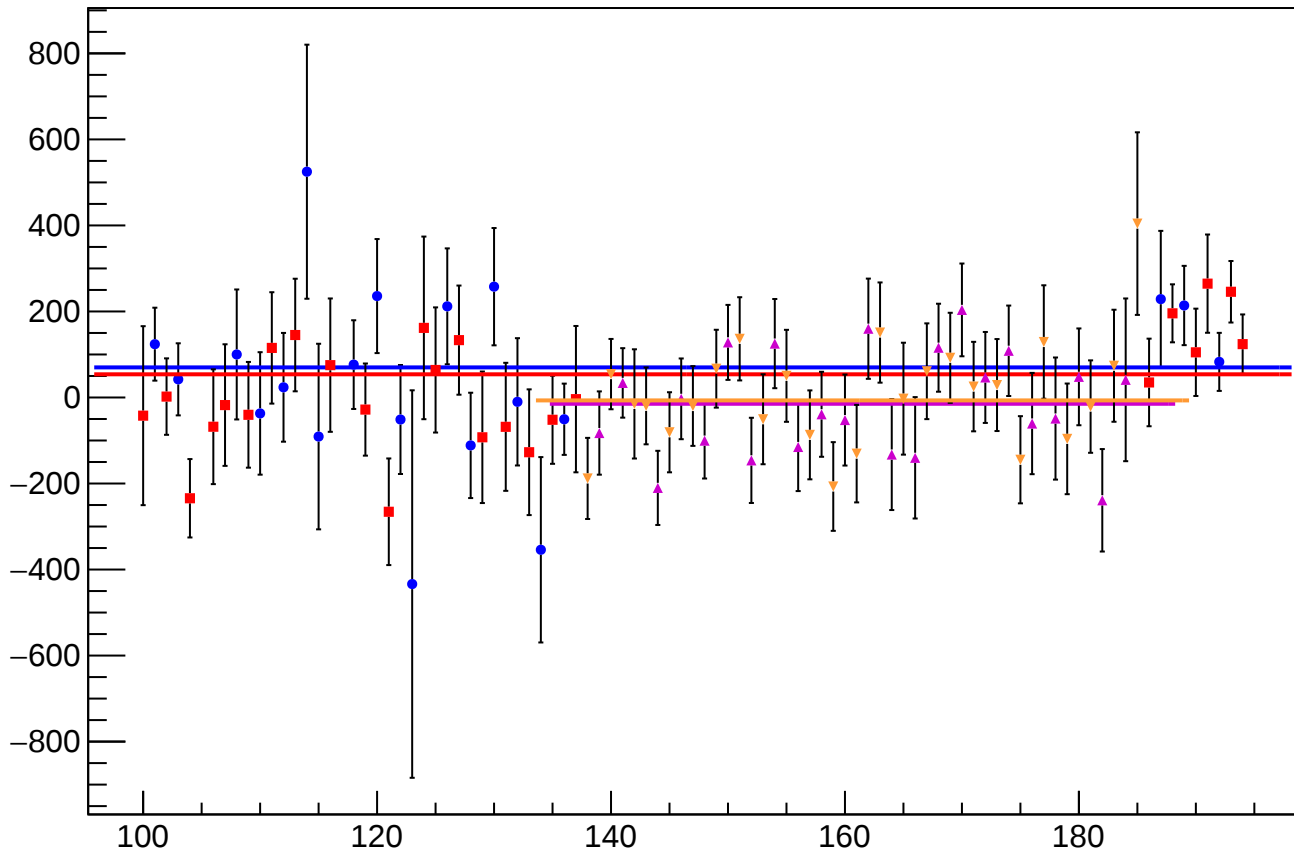
Left In: 1420.285 $\pm$ 0.245 χ^2 /NDF: 905186.2/22

+ sign 1481.798 $\pm$ 0.212 χ^2 /NDF: 4211682.8/44

All: 1478.734 $\pm$ 0.148 χ^2 /NDF: 8401266.8/92

- sign 1475.841 $\pm$ 0.206 χ^2 /NDF: 4189176.6/47

diff_bpm0r05X_mean vs Slug



Right In: 69.951 $\pm$ 26.226 χ^2 /NDF: 22.9/19

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

Right Out: 53.893 $\pm$ 22.107 χ^2 /NDF: 41.5/24

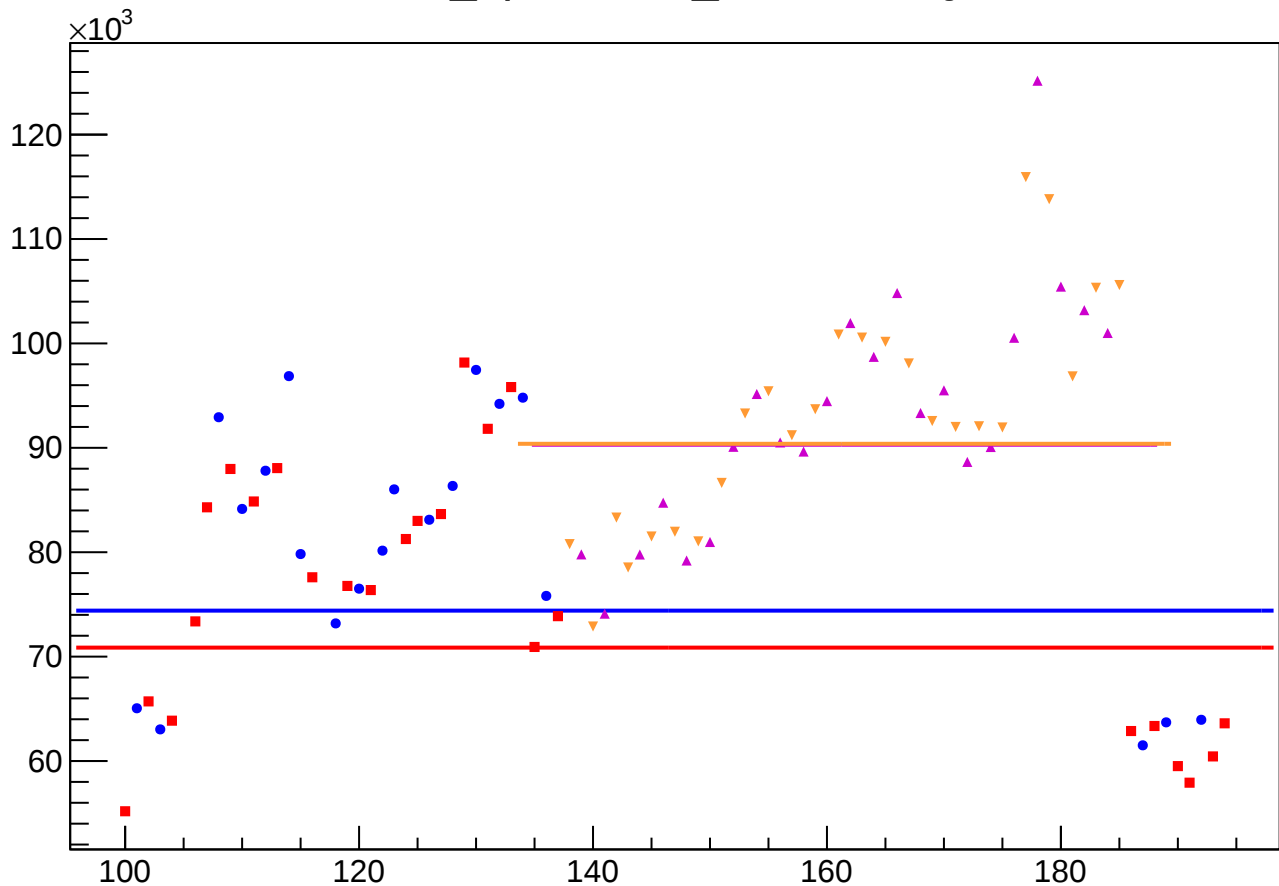
Left In: -14.611 $\pm$ 21.846 χ^2 /NDF:29.8/22

+ sign 23.562 $\pm$ 16.493 χ^2 /NDF: 52.7/44

All: 21.269 $\pm$ 11.310 χ^2 /NDF: 129.0/92

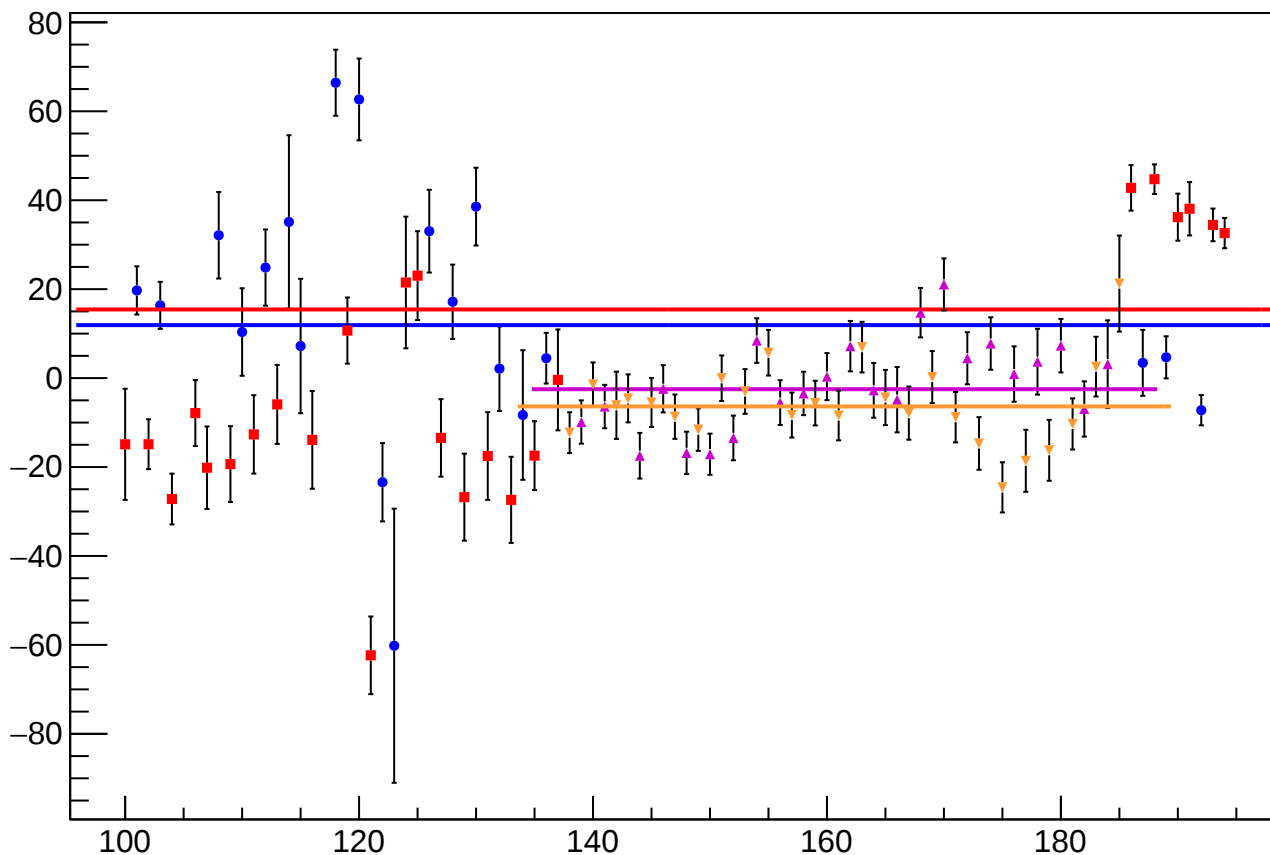
- sign 19.235 $\pm$ 15.539 χ^2 /NDF: 76.2/47

diff_bpm0r05X_rms vs Slug



Right In: 74405.297 ± 18.544 $\chi^2/\text{NDF}: 369229.9/19$ + sign 84064.924 ± 11.662 $\chi^2/\text{NDF}: 1279724.2/44$
 Left Out: 90384.853 ± 15.000 $\chi^2/\text{NDF}: 461648.2/24$ All: 82278.849 ± 7.997 $\chi^2/\text{NDF}: 3079986.3/30$
 Right Out: 70862.746 ± 15.632 $\chi^2/\text{NDF}: 512933.2/24$ - sign 80693.458 ± 10.988 $\chi^2/\text{NDF}: 1755988.7/47$
 Left In: 90293.591 ± 15.448 $\chi^2/\text{NDF}: 461337.5/22$

diff_bpm0r05Y_mean vs Slug



Right In: 11.913 ± 1.602 $\chi^2/\text{NDF}: 171.4/19$

Left Out: -6.370 ± 1.124 $\chi^2/\text{NDF}: 45.5/24$

Right Out: 15.435 ± 1.277 $\chi^2/\text{NDF}: 503.6/24$

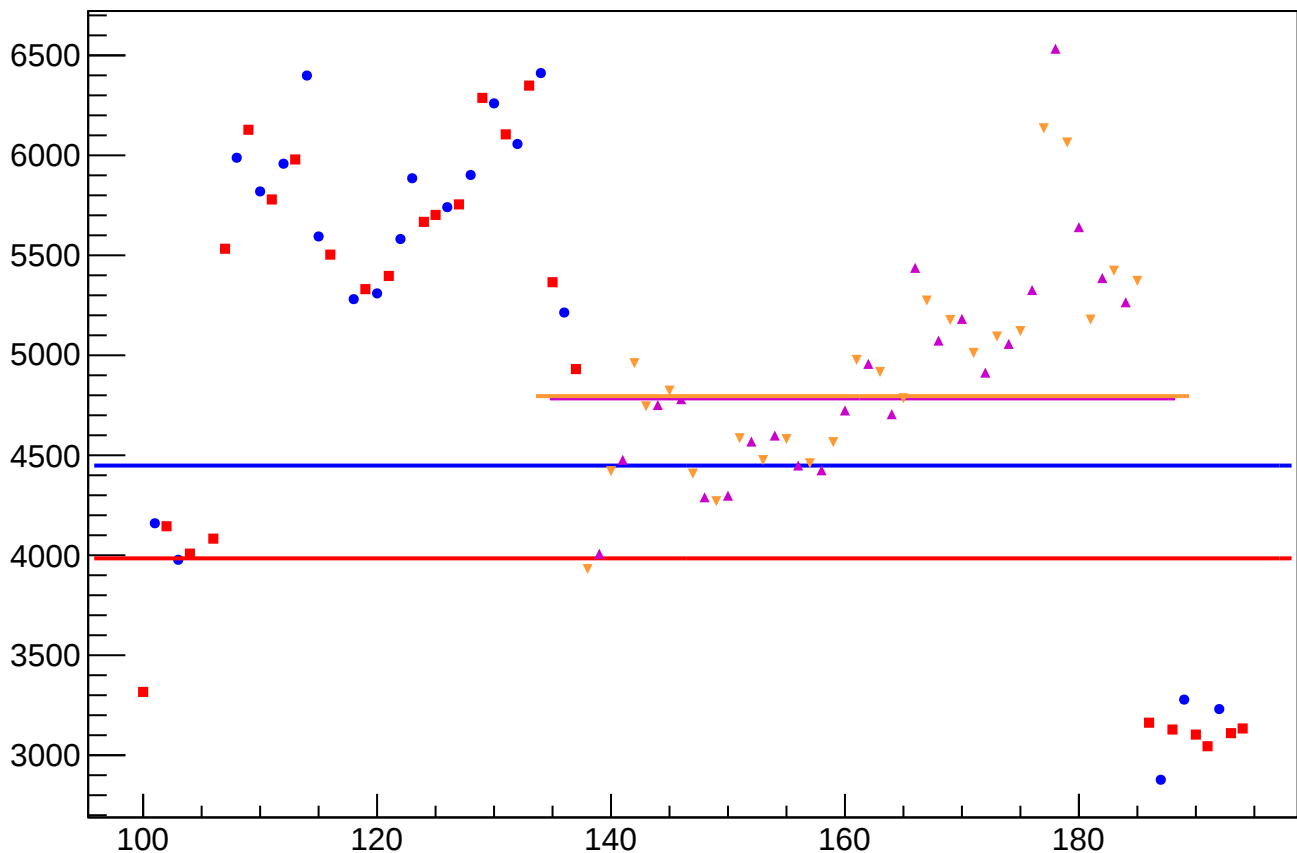
Left In: -2.501 ± 1.156 $\chi^2/\text{NDF}: 78.4/22$

+ sign -0.340 ± 0.920 $\chi^2/\text{NDF}: 304.1/44$

All: 2.827 ± 0.627 $\chi^2/\text{NDF}: 1016.7/92$

- sign 5.575 ± 0.857 $\chi^2/\text{NDF}: 690.4/47$

diff_bpm0r05Y_rms vs Slug



Right In: 4448.543+/-1.133 χ^2/NDF : 1066005.6/19

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

Right Out: 3984.541+/-0.903 χ^2/NDF : 1623131.5/24

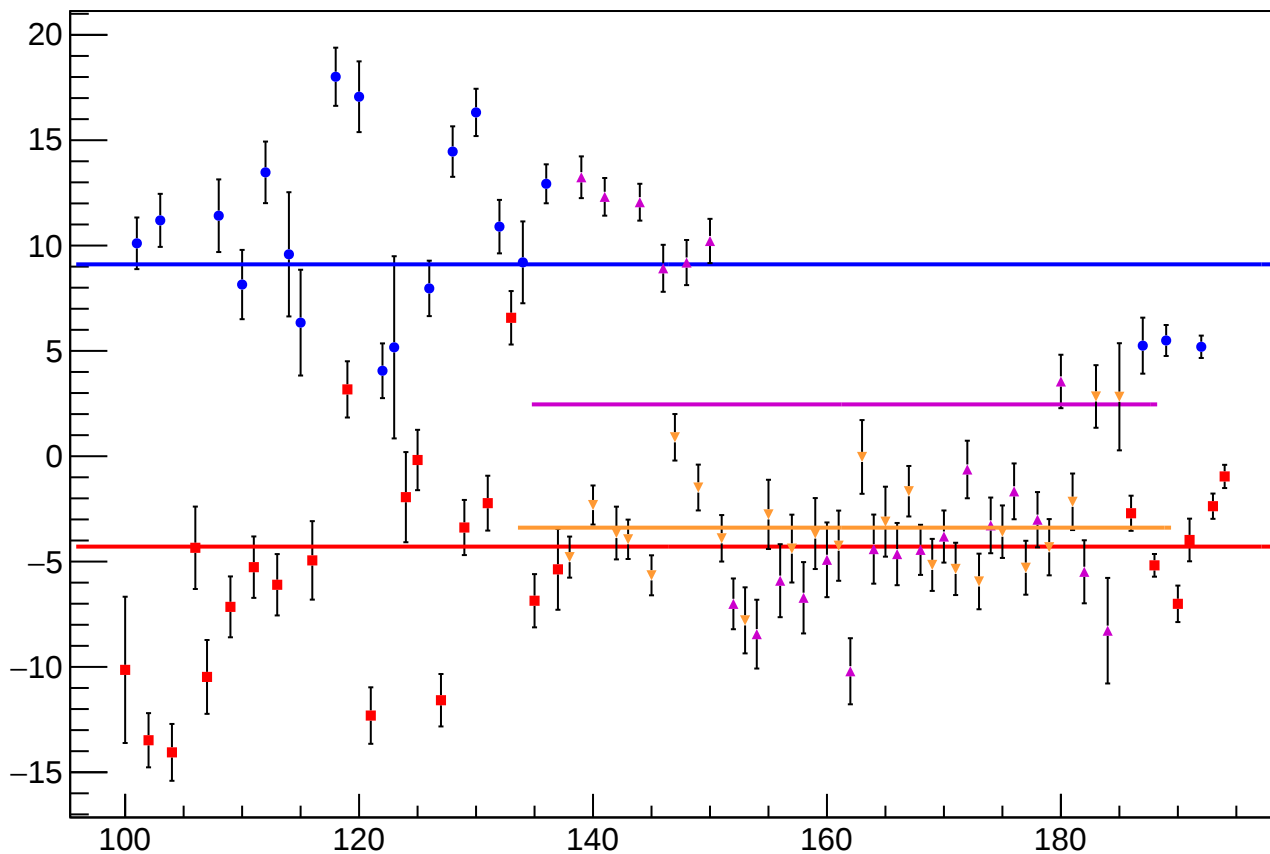
Left In: 4784.434+/-0.817 χ^2/NDF : 357507.2/22

+ sign 4681.301+/-0.651 χ^2/NDF : 1490247.6/44

All: 4543.672+/-0.443 χ^2/NDF : 3985722.0/92

- sign 4424.252+/-0.606 χ^2/NDF : 2411889.1/47

diff_bpm2i01X_mean vs Slug



Right In: 9.108 ± 0.264 χ^2/NDF : 263.7/19

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

Right Out: -4.289 ± 0.213 χ^2/NDF : 379.2/24

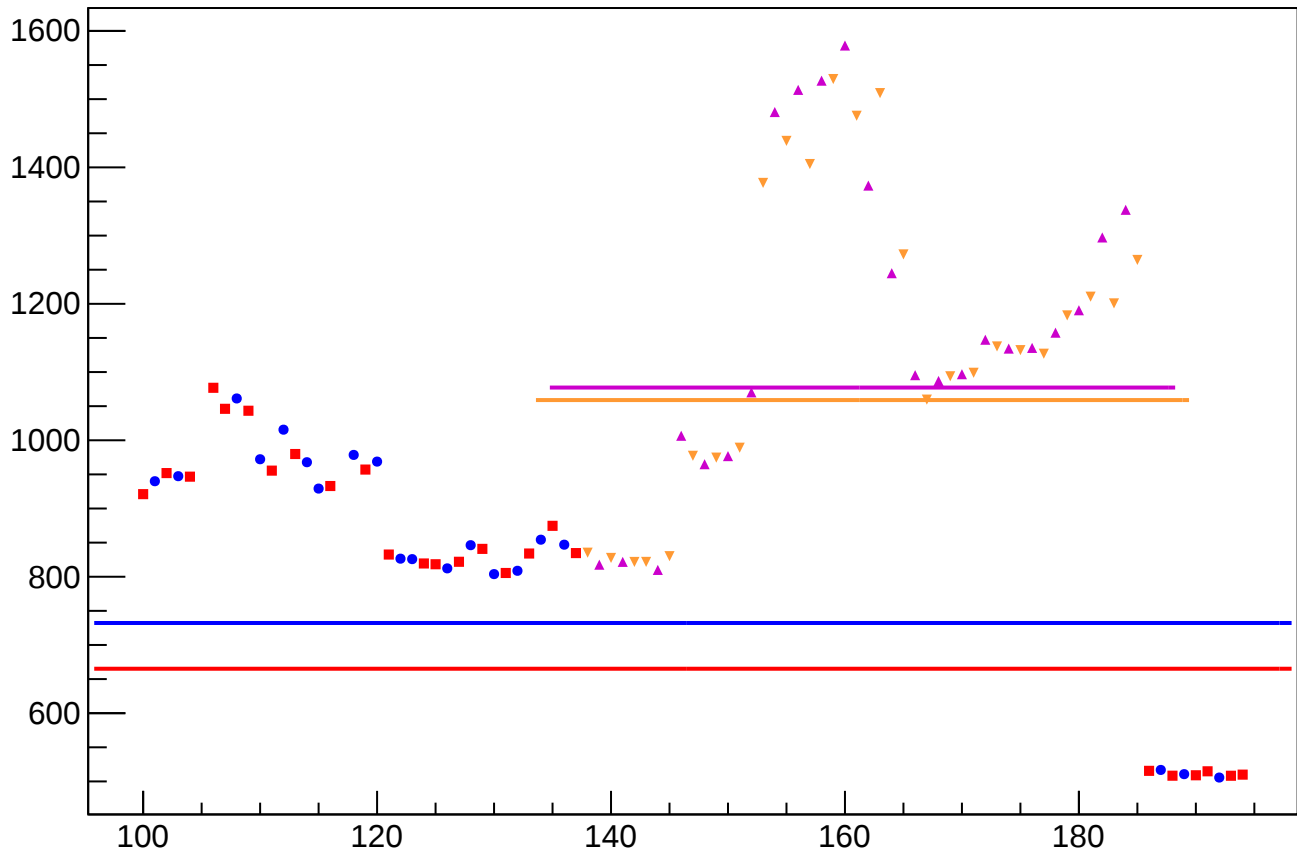
Left In: 2.461 ± 0.264 χ^2/NDF : 928.0/22

+ sign 2.577 ± 0.182 χ^2/NDF : 1513.3/44

All: 0.279 ± 0.123 χ^2/NDF : 3505.9/92

- sign -1.627 ± 0.166 χ^2/NDF : 1702.0/47

diff_bpm2i01X_rms vs Slug



Right In: 732.220+/-0.187 χ^2/NDF : 1124339.3/19

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

Right Out: 665.165+/-0.151 χ^2/NDF : 1727219.8/24

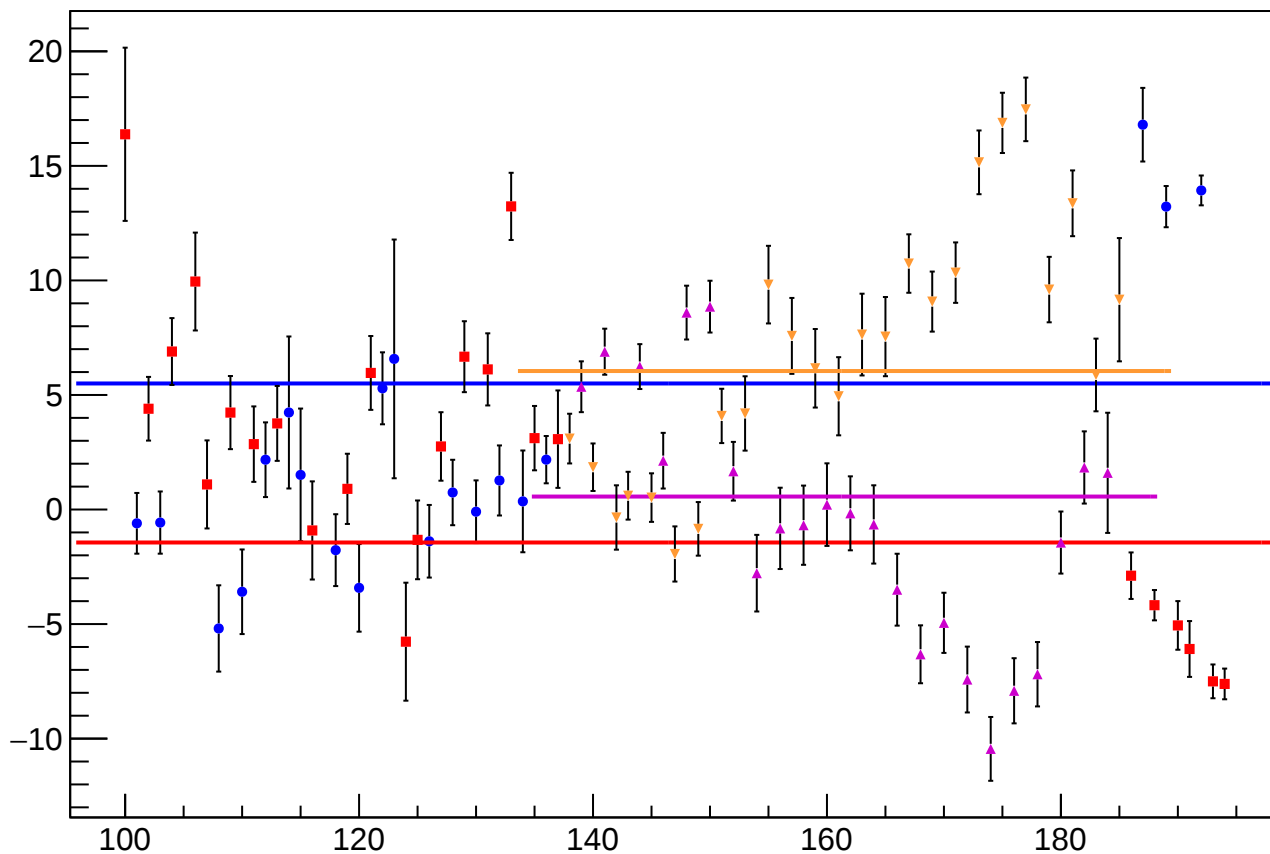
Left In: 1077.284+/-0.187 χ^2/NDF : 1280349.9/22

+ sign 902.961+/-0.129 χ^2/NDF : 4129337.3/44

All: 861.829+/-0.087 χ^2/NDF : 10266164.0/92

- sign 827.729+/-0.117 χ^2/NDF : 5950714.1/47

diff_bpm2i01Y_mean vs Slug



Right In: 5.502 ± 0.311 χ^2/NDF : 507.9/19

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

Right Out: -1.439 ± 0.254 χ^2/NDF : 529.8/24

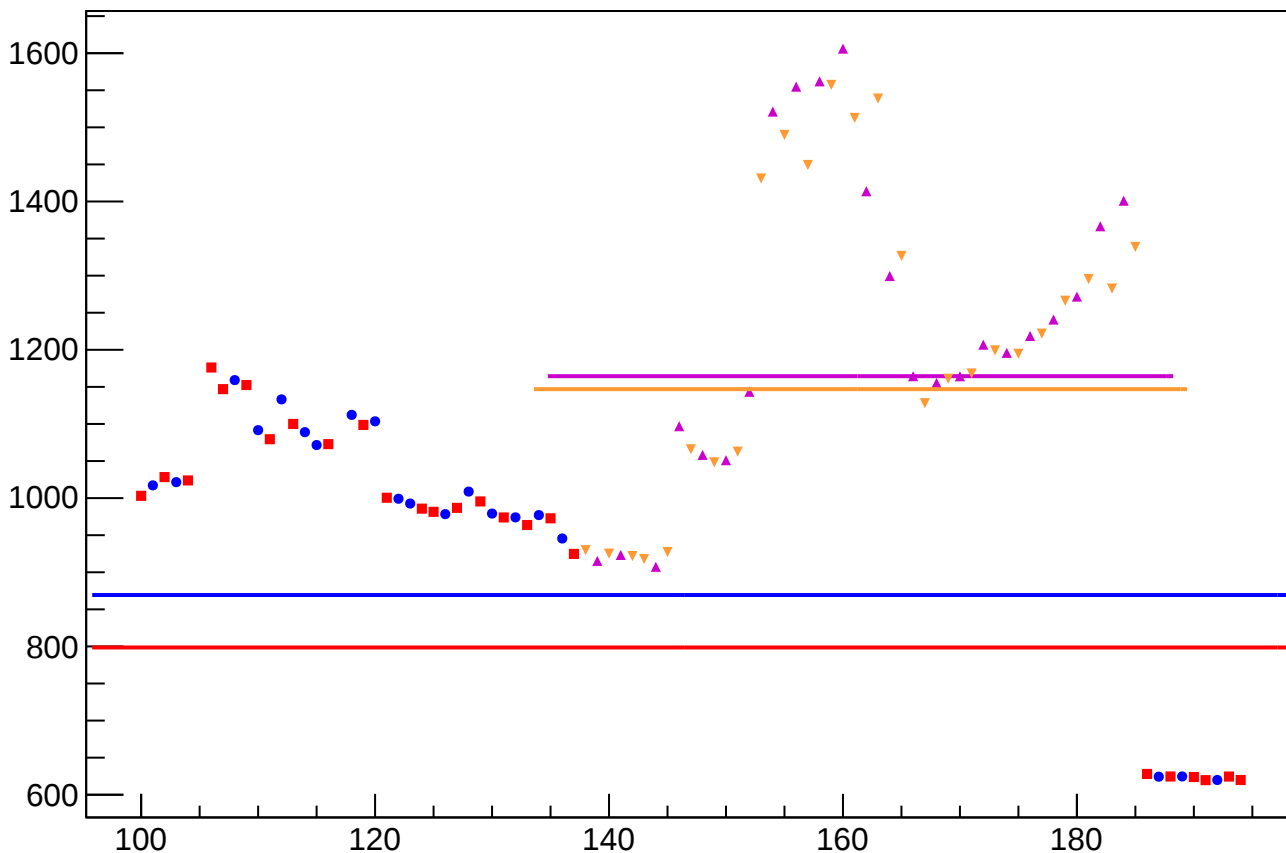
Left In: 0.566 ± 0.284 χ^2/NDF : 417.0/22

+ sign 5.810 ± 0.204 χ^2/NDF : 940.5/44

All: 2.384 ± 0.139 χ^2/NDF : 2436.1/92

- sign -0.550 ± 0.189 χ^2/NDF : 974.5/47

diff_bpm2i01Y_rms vs Slug



Right In: 869.357+/-0.220 χ^2/NDF : 844315.6/19

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

Right Out: 798.611+/-0.179 χ^2/NDF : 1332805.8/24

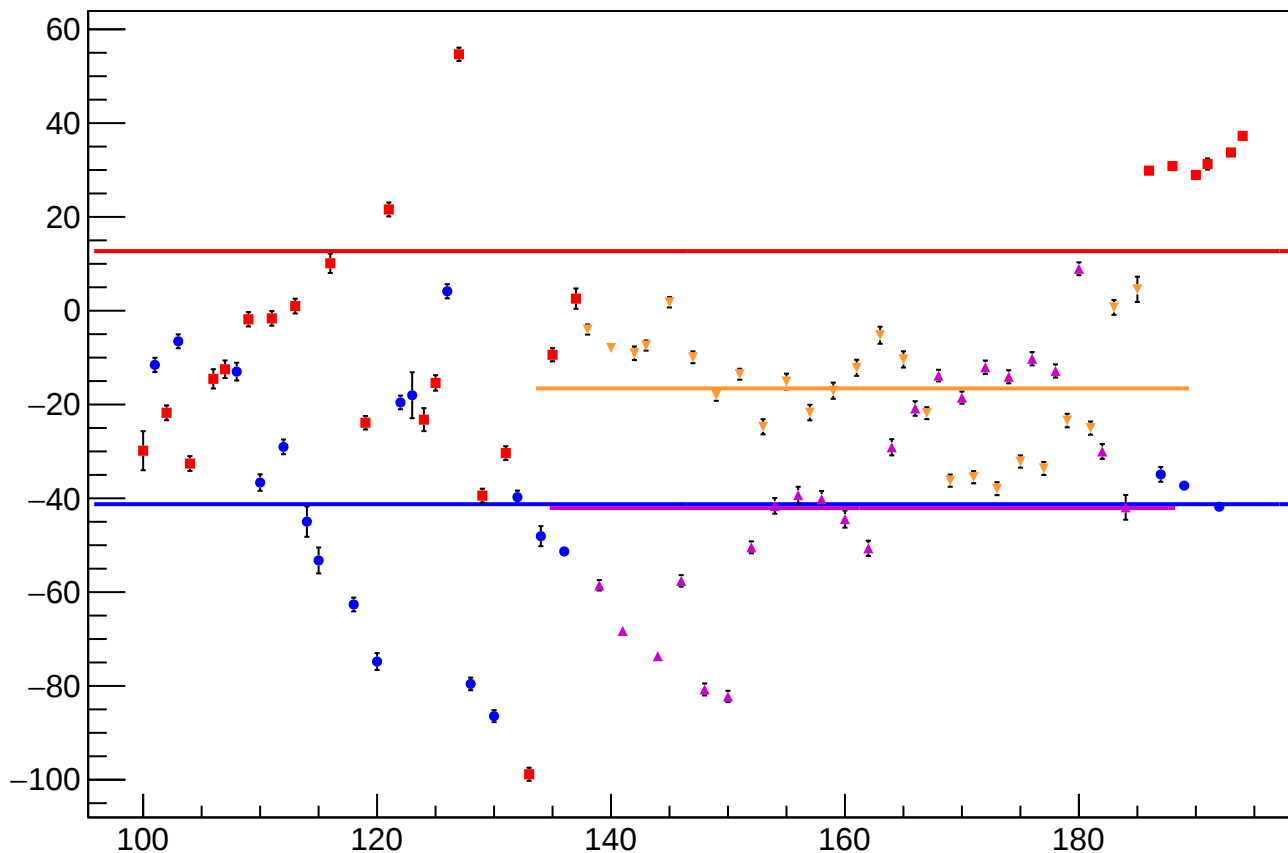
Left In: 1164.432+/-0.201 χ^2/NDF : 944112.0/22

+ sign 1026.618+/-0.145 χ^2/NDF : 2795356.9/44

All: 991.188+/-0.098 χ^2/NDF : 7028866.7/92

- sign 960.850+/-0.134 χ^2/NDF : 4122047.4/47

diff_bpm2i02X_mean vs Slug



Right In: -41.252 ± 0.304 χ^2/NDF : 5141.1/19

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

Right Out: 12.721 ± 0.247 χ^2/NDF : 16618.8/24

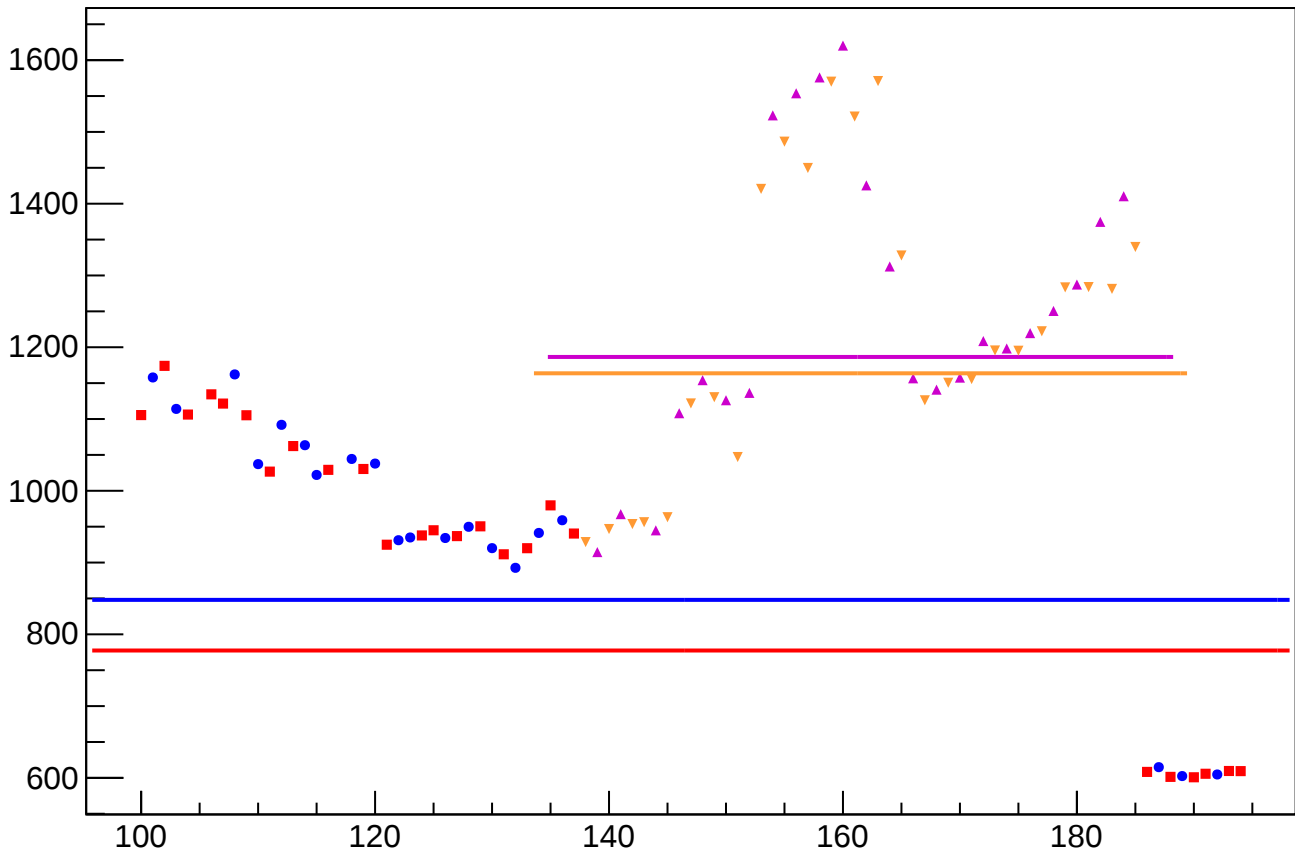
Left In: -42.077 ± 0.289 χ^2/NDF : 8332.3/22

+ sign -27.707 ± 0.204 χ^2/NDF : 10701.8/44

All: -18.365 ± 0.138 χ^2/NDF : 60285.7/92

- sign -10.430 ± 0.188 χ^2/NDF : 45701.2/47

diff_bpm2i02X_rms vs Slug



Right In: 848.012 $\pm$ 0.215 χ^2 /NDF: 907206.9/19

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

Right Out: 777.464 $\pm$ 0.175 χ^2 /NDF: 1394141.6/24

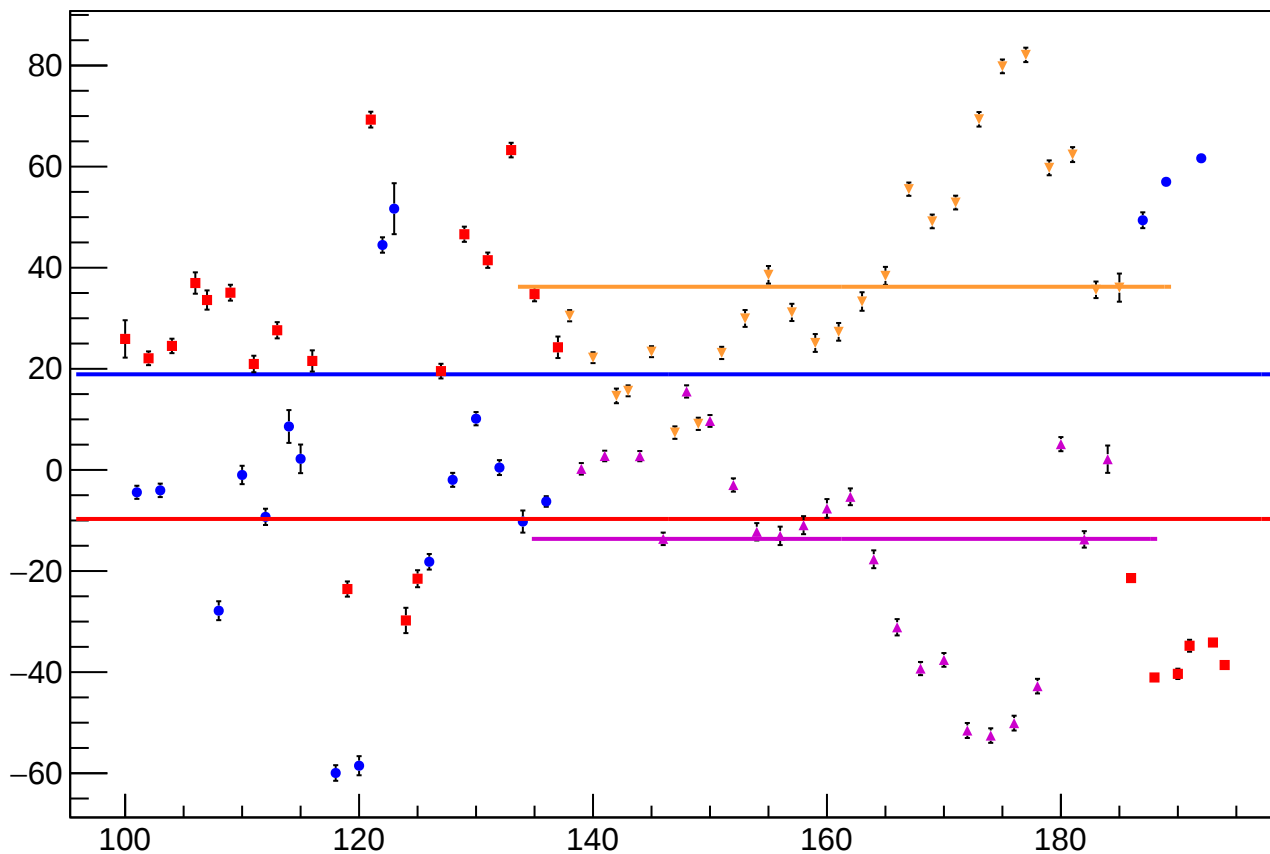
Left In: 1186.476 $\pm$ 0.204 χ^2 /NDF:833420.3/22

+ sign 1021.221 $\pm$ 0.144 χ^2 /NDF: 3030449.6/44

All: 982.853 $\pm$ 0.098 χ^2 /NDF: 7701003.3/92

- sign 950.266 $\pm$ 0.133 χ^2 /NDF: 4539583.8/47

diff_bpm2i02Y_mean vs Slug



Right In: 18.915 $\pm$ 0.303 χ^2 /NDF: 15031.4/19

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

Right Out: -9.698 $\pm$ 0.246 χ^2 /NDF: 20748.7/24

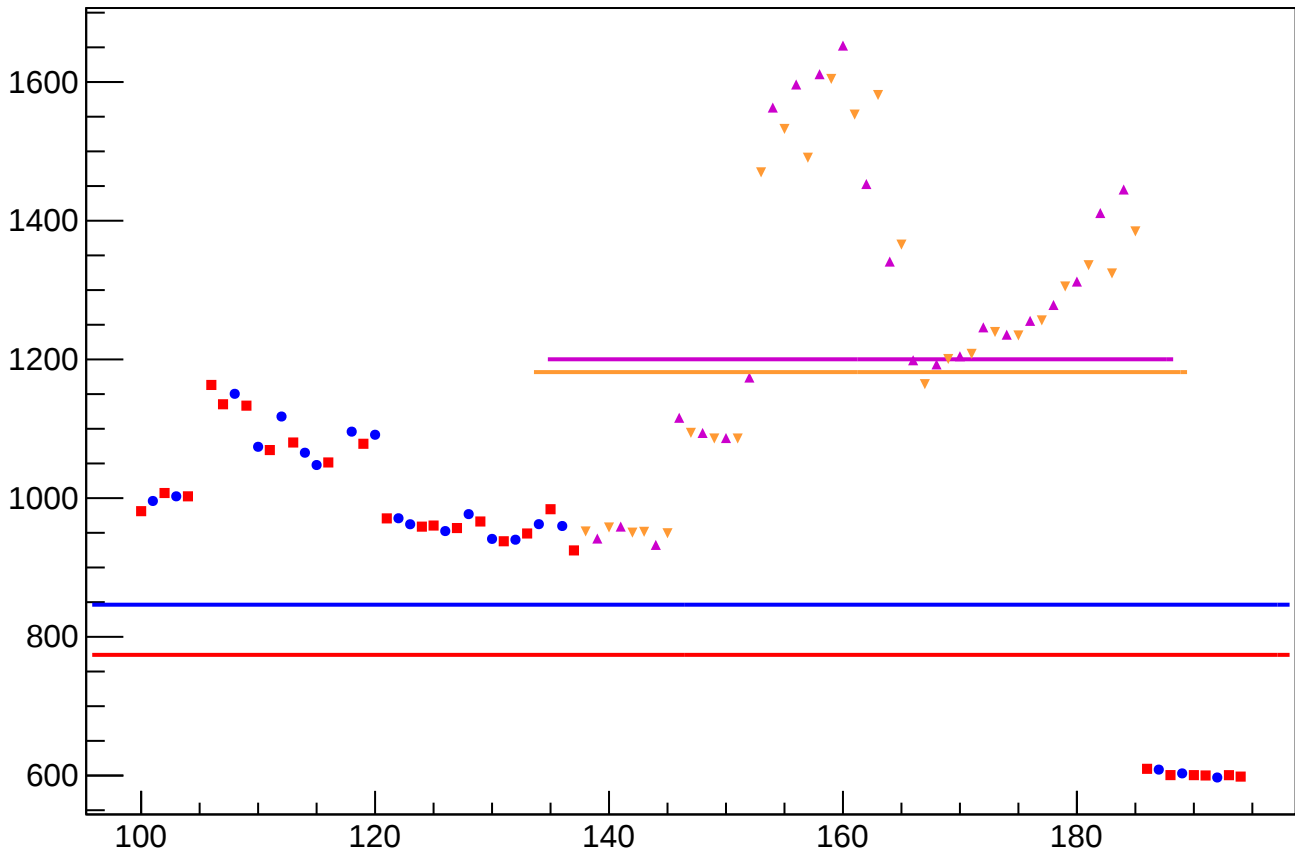
Left In: -13.640 $\pm$ 0.293 χ^2 /NDF: 5178.0/22

+ sign 28.258 $\pm$ 0.206 χ^2 /NDF: 22589.1/44

All: 6.753 $\pm$ 0.139 χ^2 /NDF: 68770.0/92

- sign -11.332 $\pm$ 0.189 χ^2 /NDF: 26032.8/47

diff_bpm2i02Y_rms vs Slug



Right In: 846.344 $\pm$ 0.214 χ^2 /NDF: 908534.6/19

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

Right Out: 774.016 $\pm$ 0.174 χ^2 /NDF: 1427125.7/24

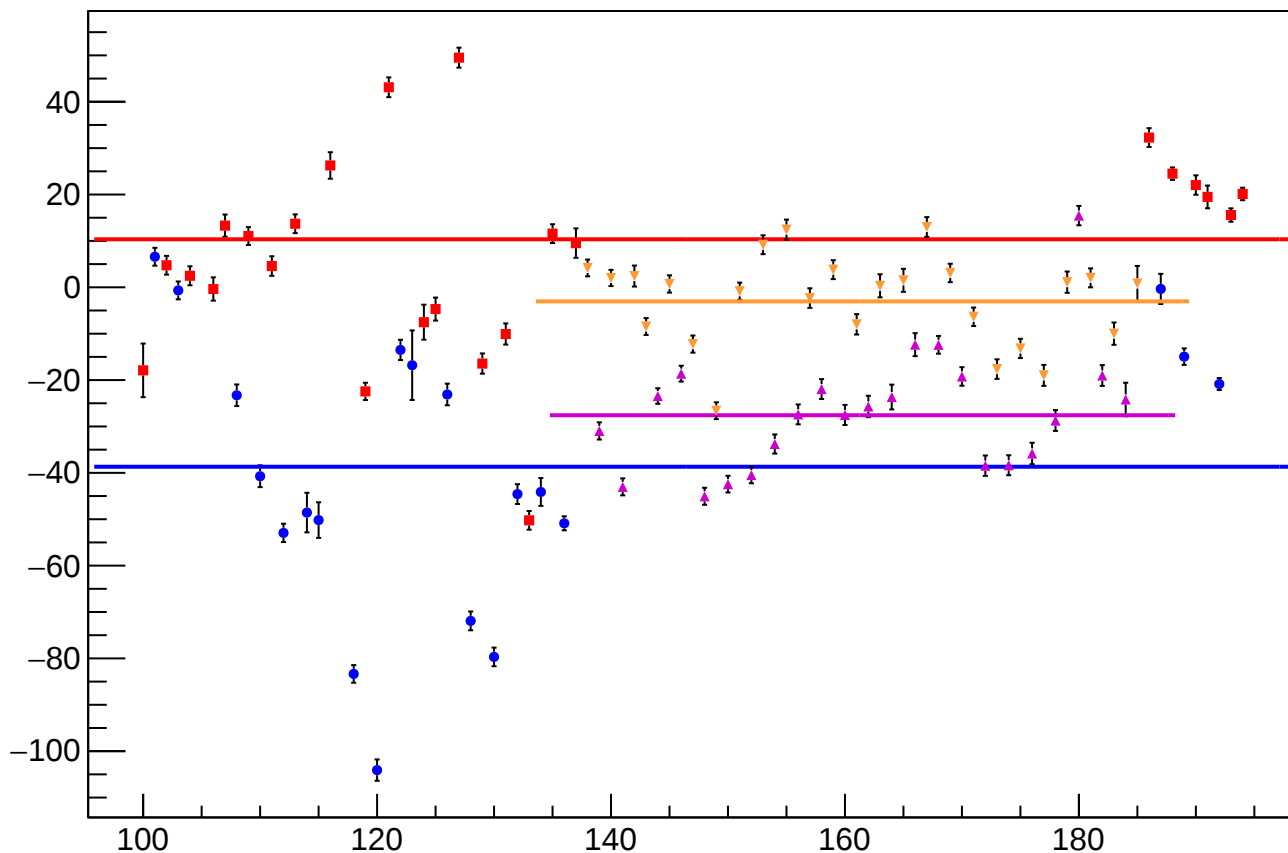
Left In: 1200.198 $\pm$ 0.207 χ^2 /NDF:938224.7/22

+ sign 1027.278 $\pm$ 0.145 χ^2 /NDF: 3274729.1/44

All: 985.668 $\pm$ 0.098 χ^2 /NDF: 8271858.9/92

- sign 950.676 $\pm$ 0.133 χ^2 /NDF: 4846268.4/47

diff_bpm0i02X_mean vs Slug



Right In: -38.682 ± 0.475 χ^2/NDF : 3868.7/19

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

Right Out: 10.350 ± 0.412 χ^2/NDF : 2517.2/24

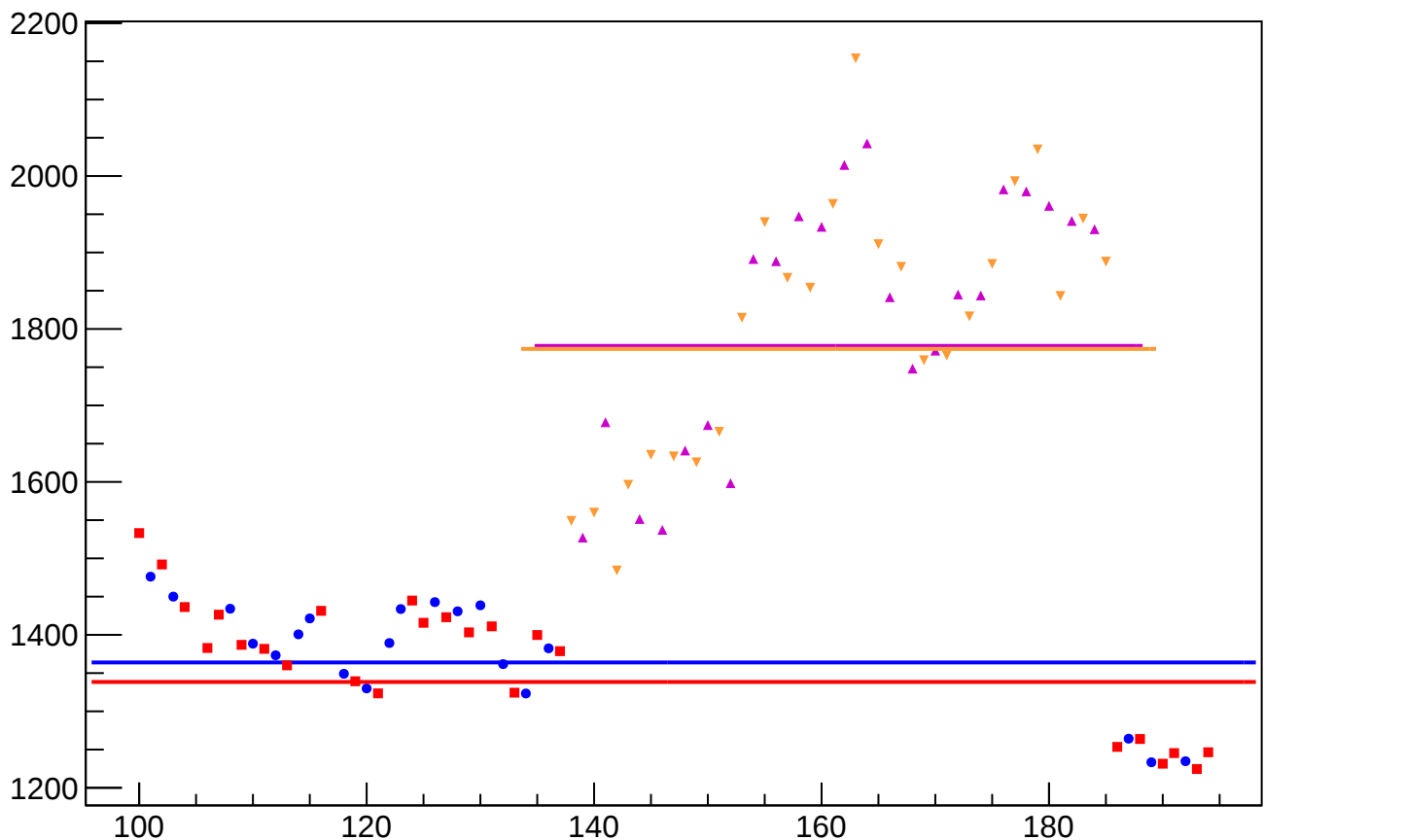
Left In: -27.583 ± 0.429 χ^2/NDF : 960.1/22

+ sign -18.463 ± 0.313 χ^2/NDF : 7615.8/44

All: -12.890 ± 0.215 χ^2/NDF : 15764.2/92

- sign -7.853 ± 0.297 χ^2/NDF : 7543.3/47

diff_bpm0i02X_rms vs Slug



Right In: 1363.911 $\pm$ 0.336 χ^2 /NDF: 54923.9/19

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

Right Out: 1338.404 $\pm$ 0.291 χ^2 /NDF: 78636.6/24

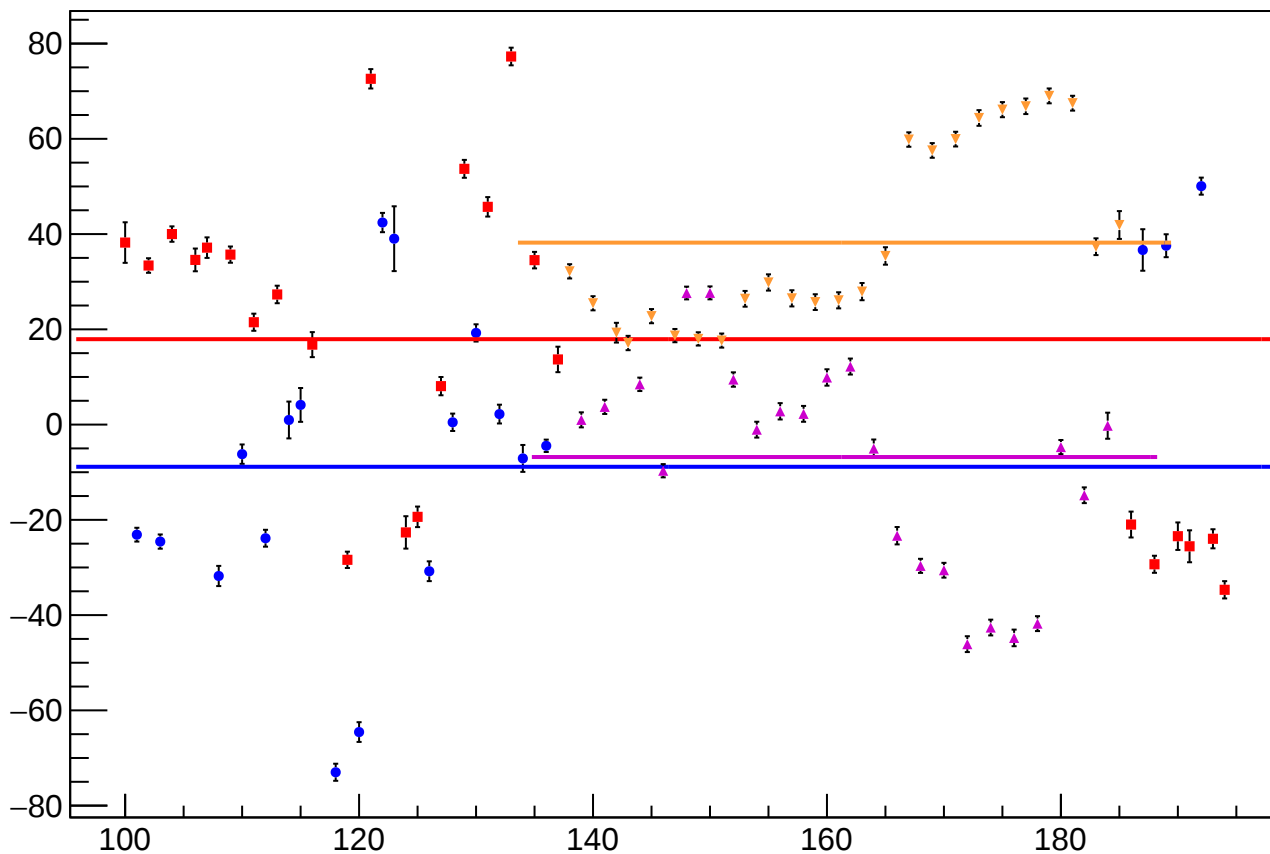
Left In: 1777.884 $\pm$ 0.303 χ^2 /NDF: 299514.0/22

+ sign 1596.500 $\pm$ 0.221 χ^2 /NDF: 1212673.1/44

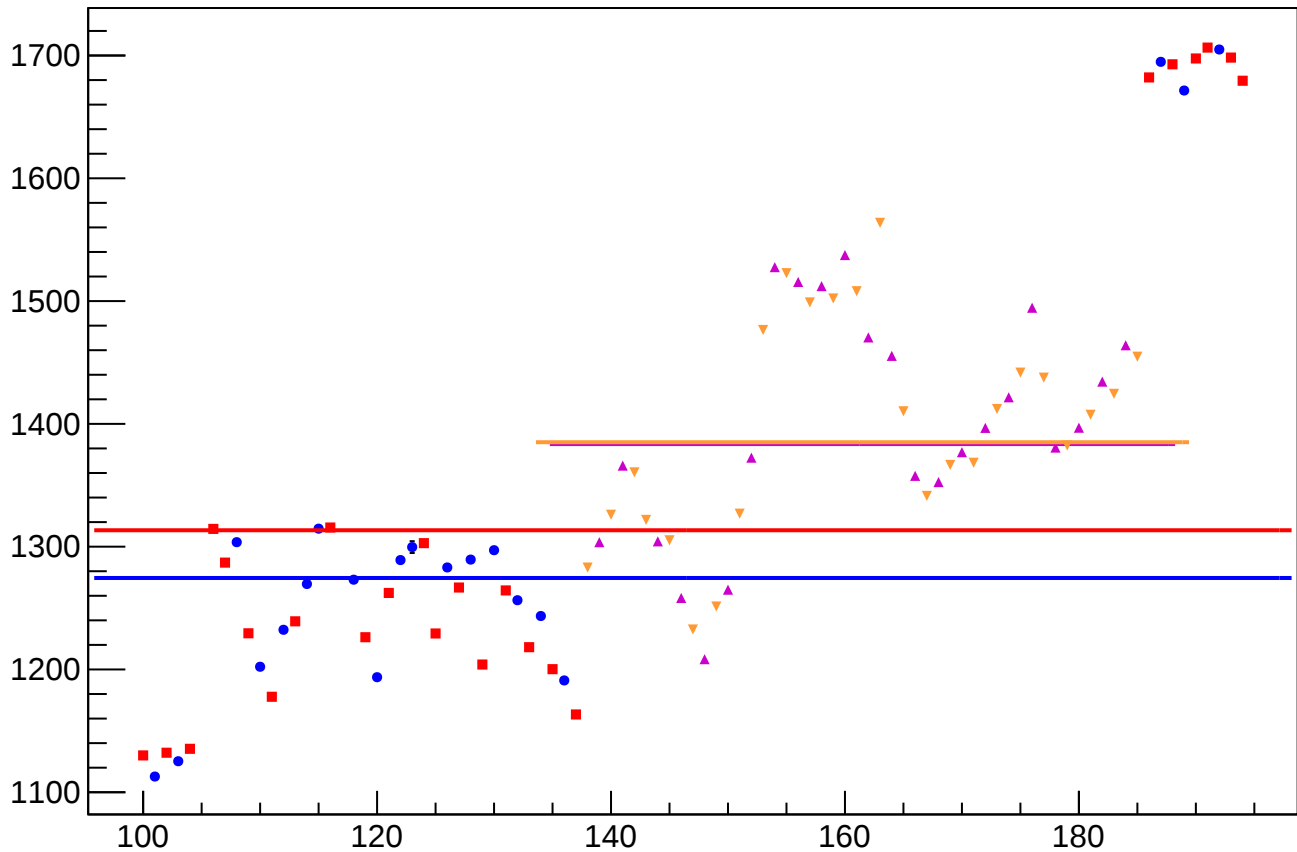
All: 1571.710 $\pm$ 0.152 χ^2 /NDF: 2706308.5/92

- sign 1549.305 $\pm$ 0.210 χ^2 /NDF: 1469692.3/47

diff_bpm0i02Y_mean vs Slug



diff_bpm0i02Y_rms vs Slug



Right In: 1274.503 ± 0.316 χ^2/NDF : 249948.0/19

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

Right Out: 1313.364 ± 0.289 χ^2/NDF : 458951.5/24

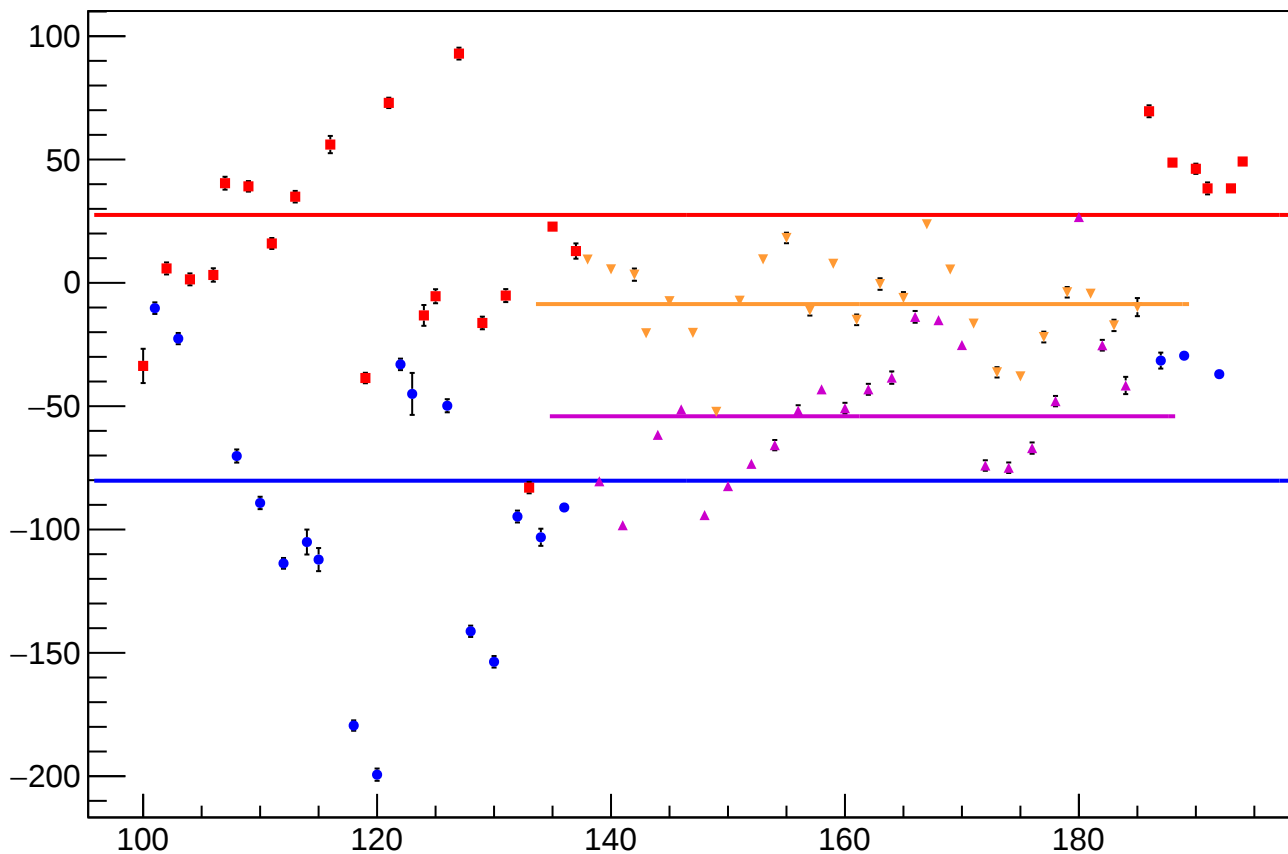
Left In: 1383.558 ± 0.235 χ^2/NDF : 154696.0/22

+ sign 1347.060 ± 0.185 χ^2/NDF : 476308.3/44

All: 1351.354 ± 0.130 χ^2/NDF : 1126513.8/92

- sign 1355.520 ± 0.182 χ^2/NDF : 649147.0/47

diff_bpm0i02aX_mean vs Slug



Right In: -80.211 ± 0.513 χ^2/NDF : 10972.8/19

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

Right Out: 27.538 ± 0.443 χ^2/NDF : 6630.1/24

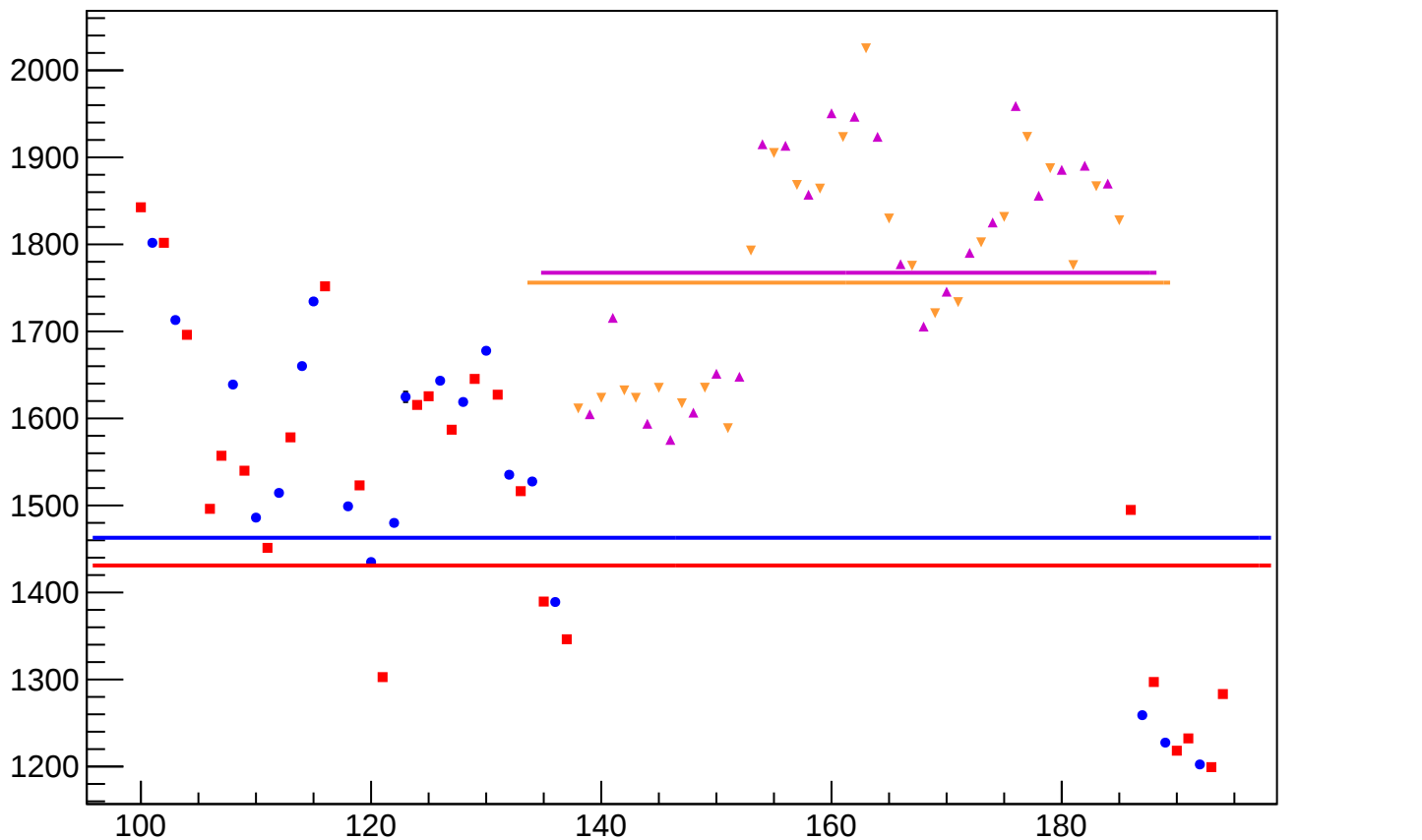
Left In: -54.089 ± 0.426 χ^2/NDF : 4721.6/22

+ sign -36.534 ± 0.320 χ^2/NDF : 24787.0/44

All: -25.272 ± 0.222 χ^2/NDF : 56151.4/92

- sign -14.931 ± 0.307 χ^2/NDF : 28994.4/47

diff_bpm0i02aX_rms vs Slug



Right In: 1462.872 $\pm$ 0.363 χ^2 /NDF: 258353.3/19

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

Right Out: 1431.042 $\pm$ 0.313 χ^2 /NDF: 307483.9/24

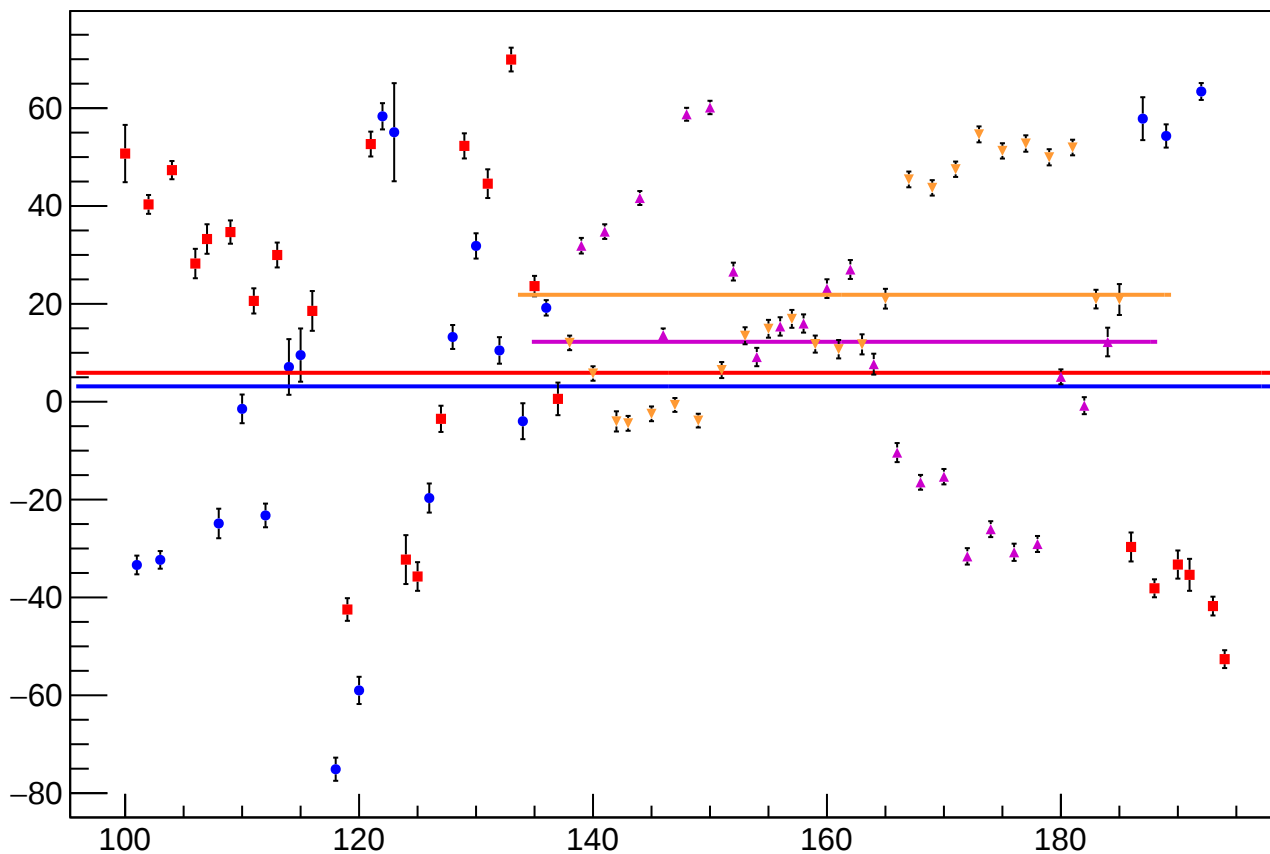
Left In: 1767.410 $\pm$ 0.301 χ^2 /NDF:187958.2/22

+ sign 1641.693 $\pm$ 0.227 χ^2 /NDF: 832504.5/44

All: 1623.112 $\pm$ 0.157 χ^2 /NDF: 1940036.0/92

- sign 1606.050 $\pm$ 0.217 χ^2 /NDF: 1094627.6/47

diff_bpm0i02aY_mean vs Slug



Right In: 3.137 ± 0.567 $\chi^2/\text{NDF}: 5156.3/19$

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

Right Out: 5.912 ± 0.504 $\chi^2/\text{NDF}: 6317.3/24$

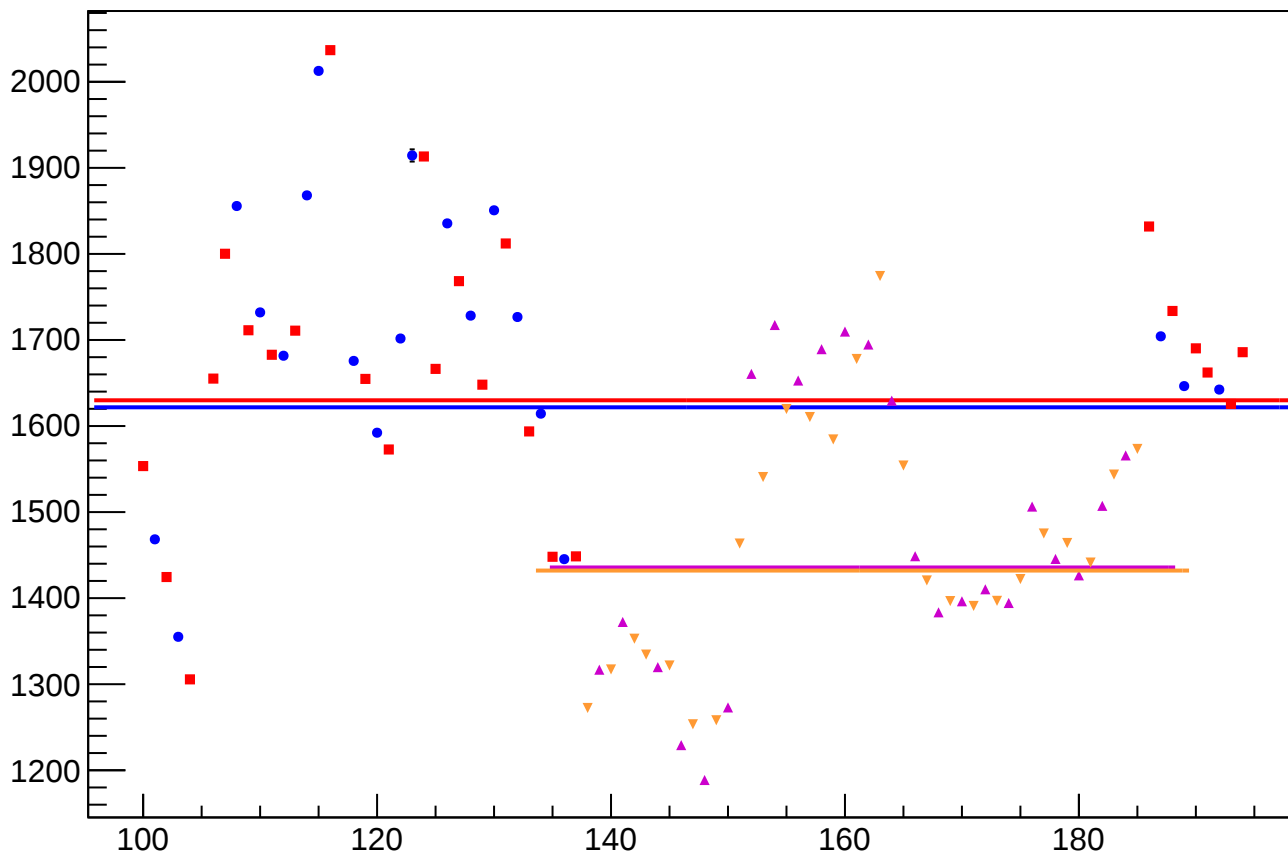
Left In: 12.246 ± 0.347 $\chi^2/\text{NDF}: 6781.6/22$

+ sign 17.011 ± 0.289 $\chi^2/\text{NDF}: 10073.4/44$

All: 13.575 ± 0.203 $\chi^2/\text{NDF}: 23560.0/92$

- sign 10.207 ± 0.286 $\chi^2/\text{NDF}: 13206.1/47$

diff_bpm0i02aY_rms vs Slug



Right In: 1621.762 $\pm$ 0.401 χ^2 /NDF: 150590.3/19

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

Right Out: 1629.913 $\pm$ 0.356 χ^2 /NDF: 176826.5/24

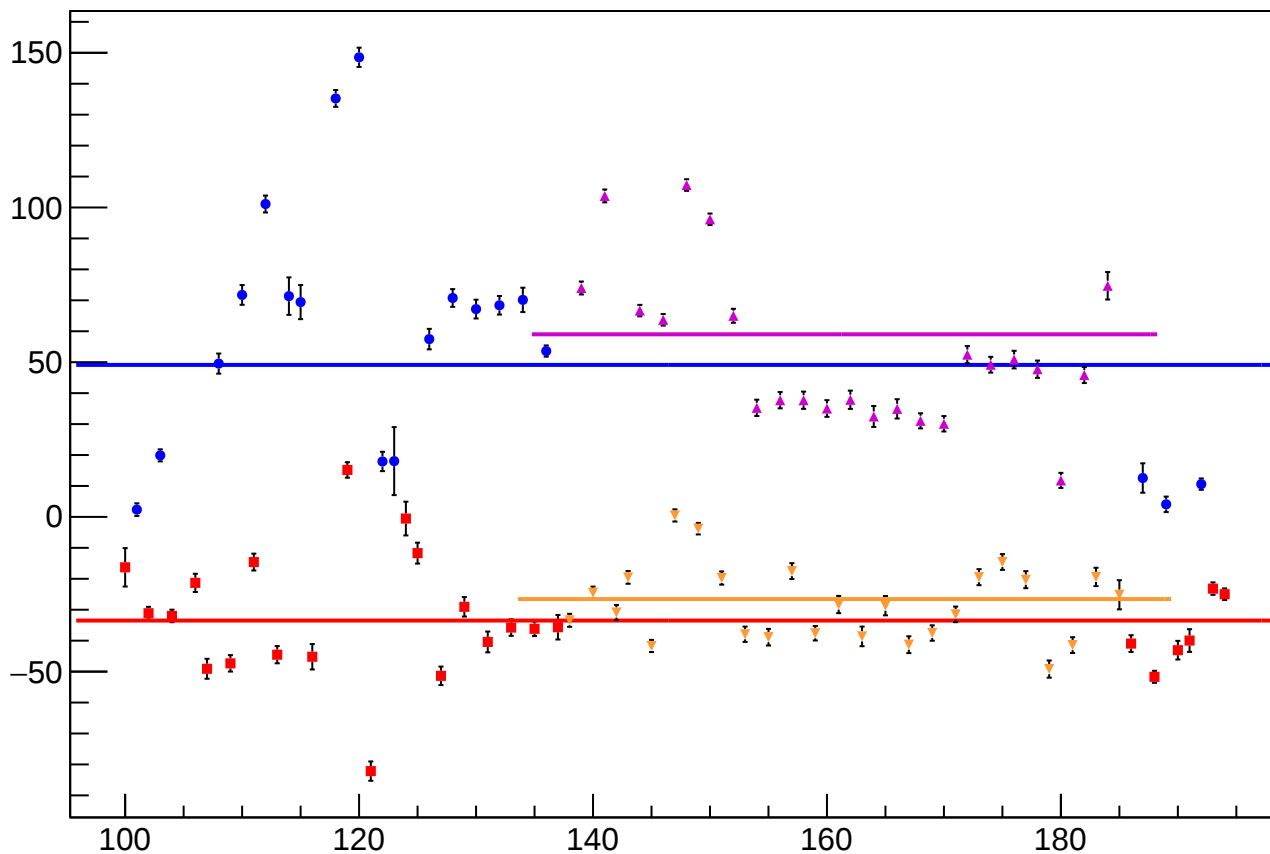
Left In: 1435.645 $\pm$ 0.245 χ^2 /NDF: 420835.0/22

+ sign 1481.162 $\pm$ 0.204 χ^2 /NDF: 613636.1/44

All: 1489.756 $\pm$ 0.144 χ^2 /NDF: 1416531.6/92

- sign 1498.179 $\pm$ 0.202 χ^2 /NDF: 799385.5/47

diff_bpm0i05X_mean vs Slug



Right In: 49.124 ± 0.628 χ^2/NDF : 4317.8/19

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

Right Out: -33.497 ± 0.546 χ^2/NDF : 1045.6/24

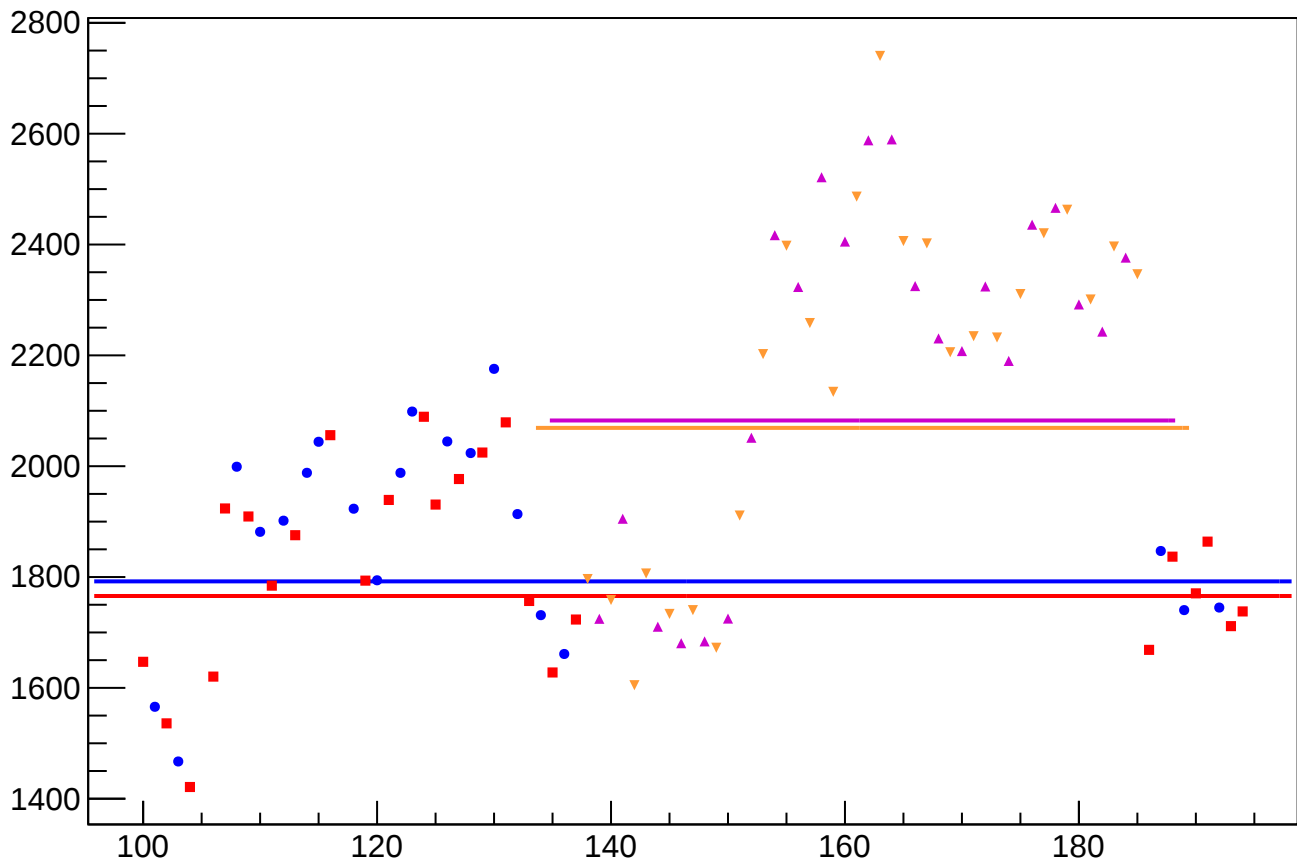
Left In: 59.014 ± 0.506 χ^2/NDF : 2783.8/22

+ sign 1.951 ± 0.385 χ^2/NDF : 14099.0/44

All: 9.338 ± 0.267 χ^2/NDF : 34082.4/92

- sign 16.197 ± 0.371 χ^2/NDF : 19274.1/47

diff_bpm0i05X_rms vs Slug



Right In: 1792.175+/-0.444 χ^2/NDF : 186391.2/19

Left Out: 2069.146+/-0.345 χ^2/NDF : 799037.9/24

Right Out: 1765.792+/-0.386 χ^2/NDF : 186455.3/24

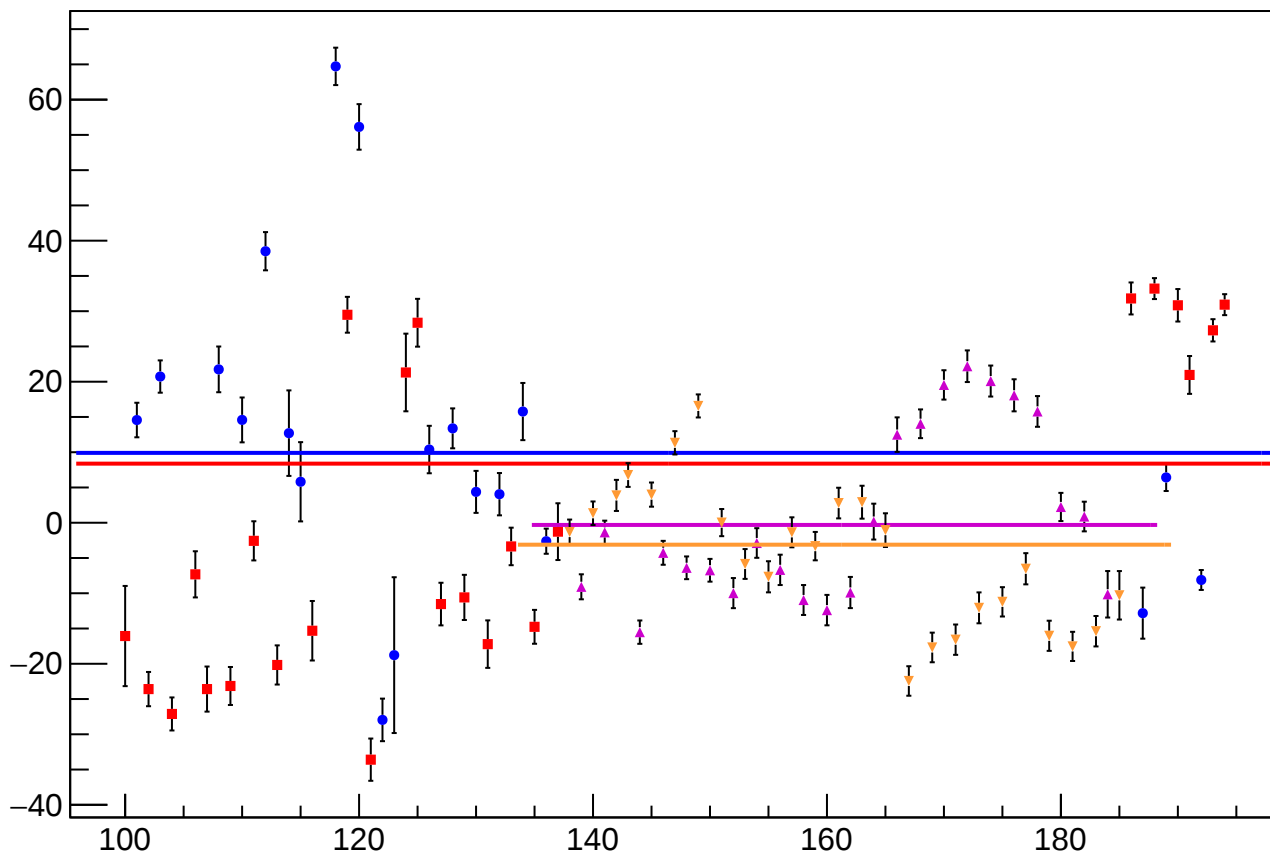
Left In: 2082.497+/-0.358 χ^2/NDF : 785304.0/22

+ sign 1964.821+/-0.272 χ^2/NDF : 1228234.9/44

All: 1949.833+/-0.189 χ^2/NDF : 2567858.3/92

- sign 1935.916+/-0.262 χ^2/NDF : 1333783.5/47

diff_bpm0i05Y_mean vs Slug



Right In: 9.908 ± 0.602 χ^2/NDF : 1215.2/19

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

Right Out: 8.381 ± 0.506 χ^2/NDF : 2263.5/24

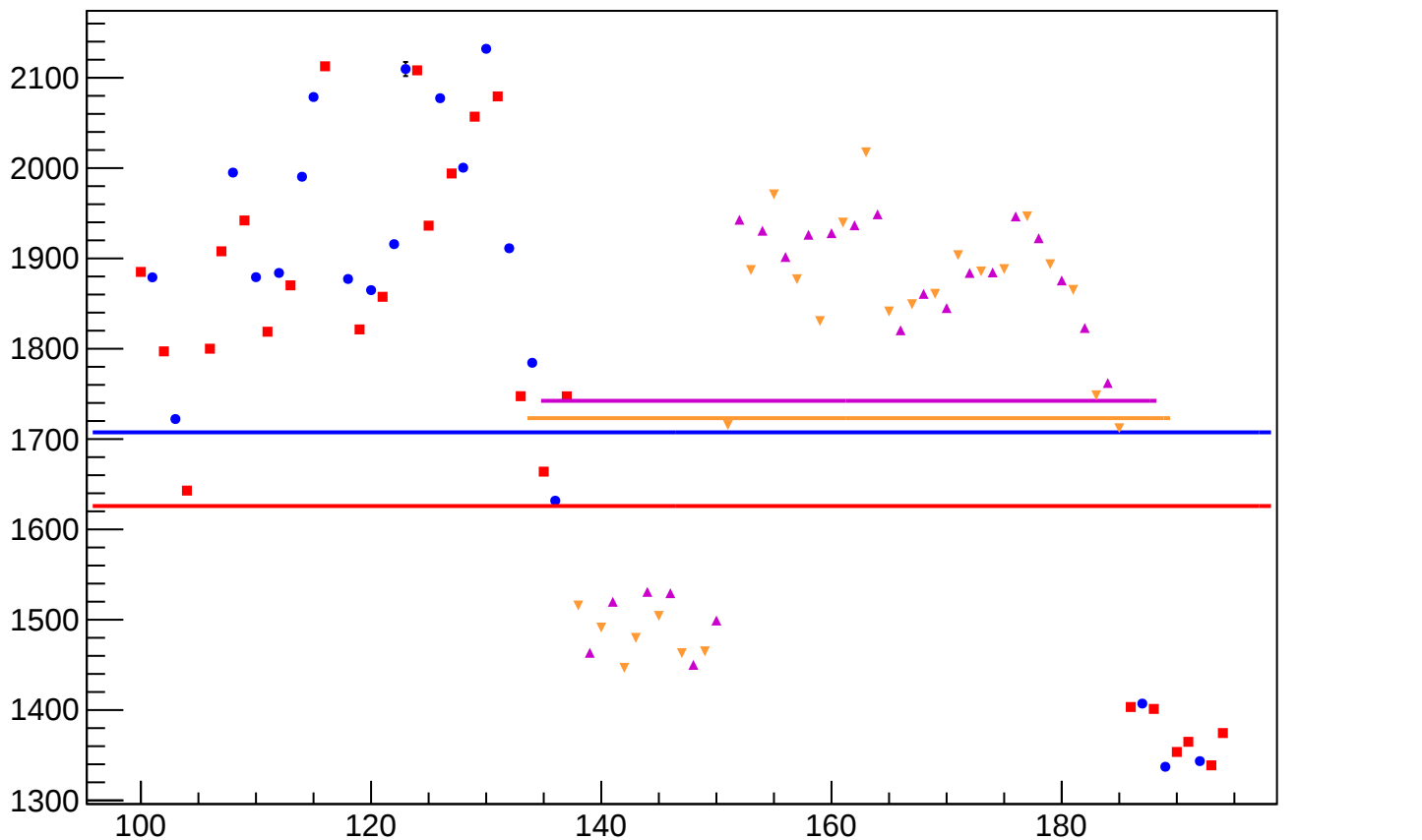
Left In: -0.312 ± 0.421 χ^2/NDF : 736.5/22

+ sign 0.937 ± 0.336 χ^2/NDF : 2181.6/44

All: 2.131 ± 0.233 χ^2/NDF : 5380.3/92

- sign 3.243 ± 0.324 χ^2/NDF : 3174.2/47

diff_bpm0i05Y_rms vs Slug



Right In: 1707.453+/-0.425 χ^2/NDF : 398463.1/19

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

Right Out: 1625.873+/-0.358 χ^2/NDF : 512866.8/24

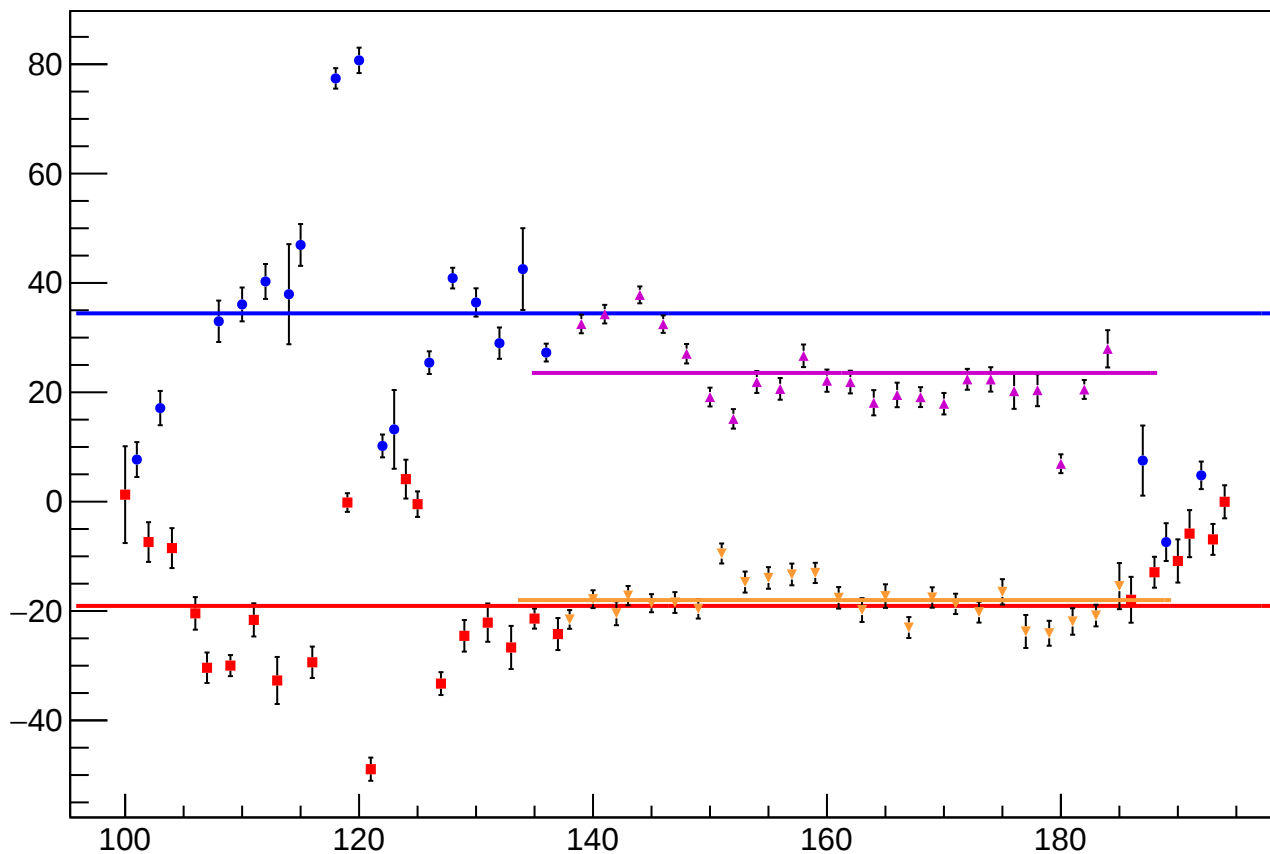
Left In: 1742.354+/-0.298 χ^2/NDF : 435841.5/22

+ sign 1718.281+/-0.237 χ^2/NDF : 876844.2/44

All: 1706.080+/-0.165 χ^2/NDF : 1893238.7/92

- sign 1694.723+/-0.229 χ^2/NDF : 1011289.0/47

diff_bpm0i07X_mean vs Slug



Right In: 34.437 ± 0.607 $\chi^2/\text{NDF}: 1542.2/19$

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

Right Out: -19.066 ± 0.557 $\chi^2/\text{NDF}: 658.9/24$

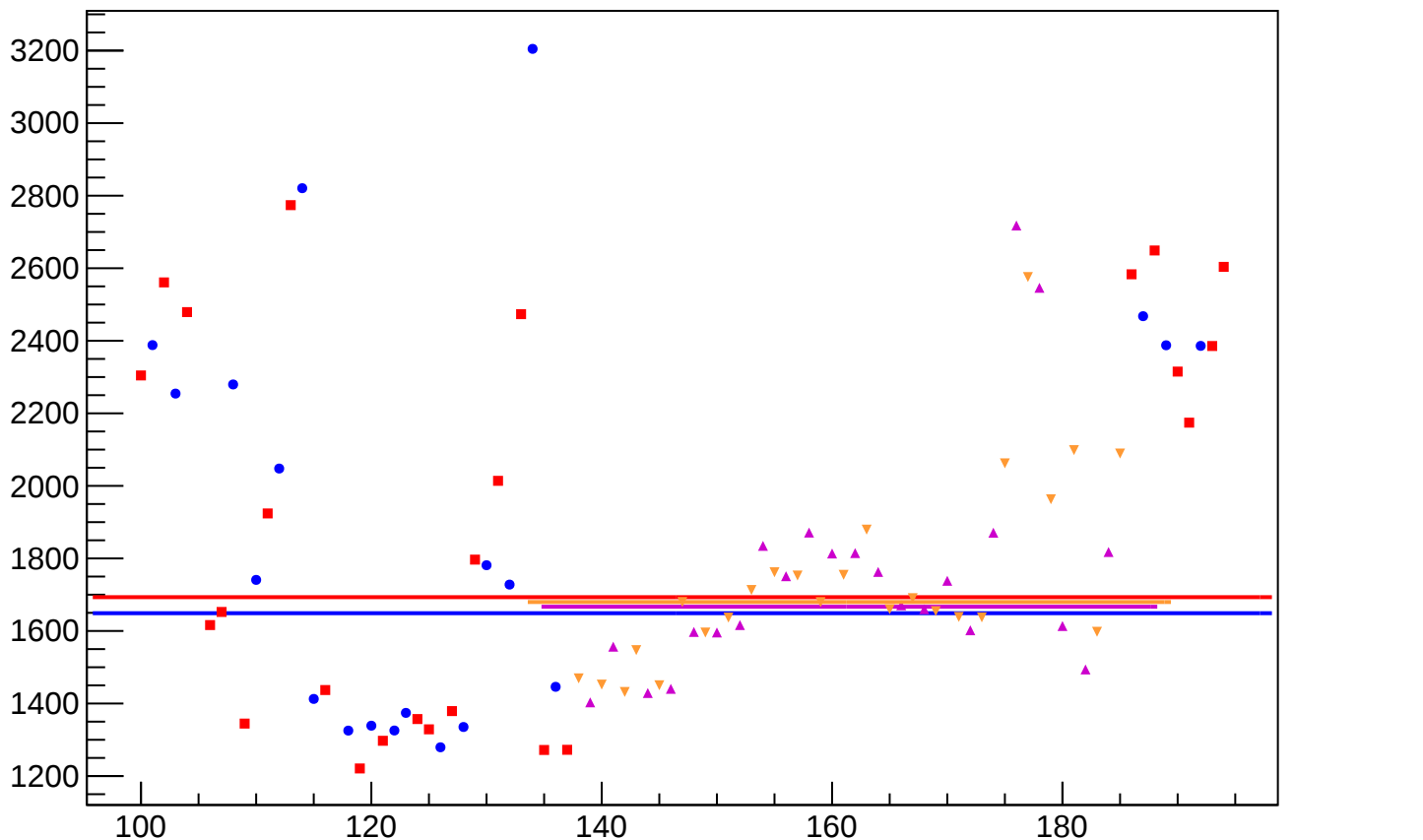
Left In: 23.544 ± 0.406 $\chi^2/\text{NDF}: 346.7/22$

+ sign -2.301 ± 0.332 $\chi^2/\text{NDF}: 6850.4/44$

All: 3.303 ± 0.233 $\chi^2/\text{NDF}: 12244.9/92$

- sign 8.768 ± 0.328 $\chi^2/\text{NDF}: 4831.8/47$

diff_bpm0i07X_rms vs Slug



Right In: 1648.984 $\pm$ 0.429 χ^2 /NDF: 995480.5/19

Left Out: 1679.814 $\pm$ 0.281 χ^2 /NDF:522795.6/24

Right Out: 1693.175 $\pm$ 0.394 χ^2 /NDF: 1709872.4/24

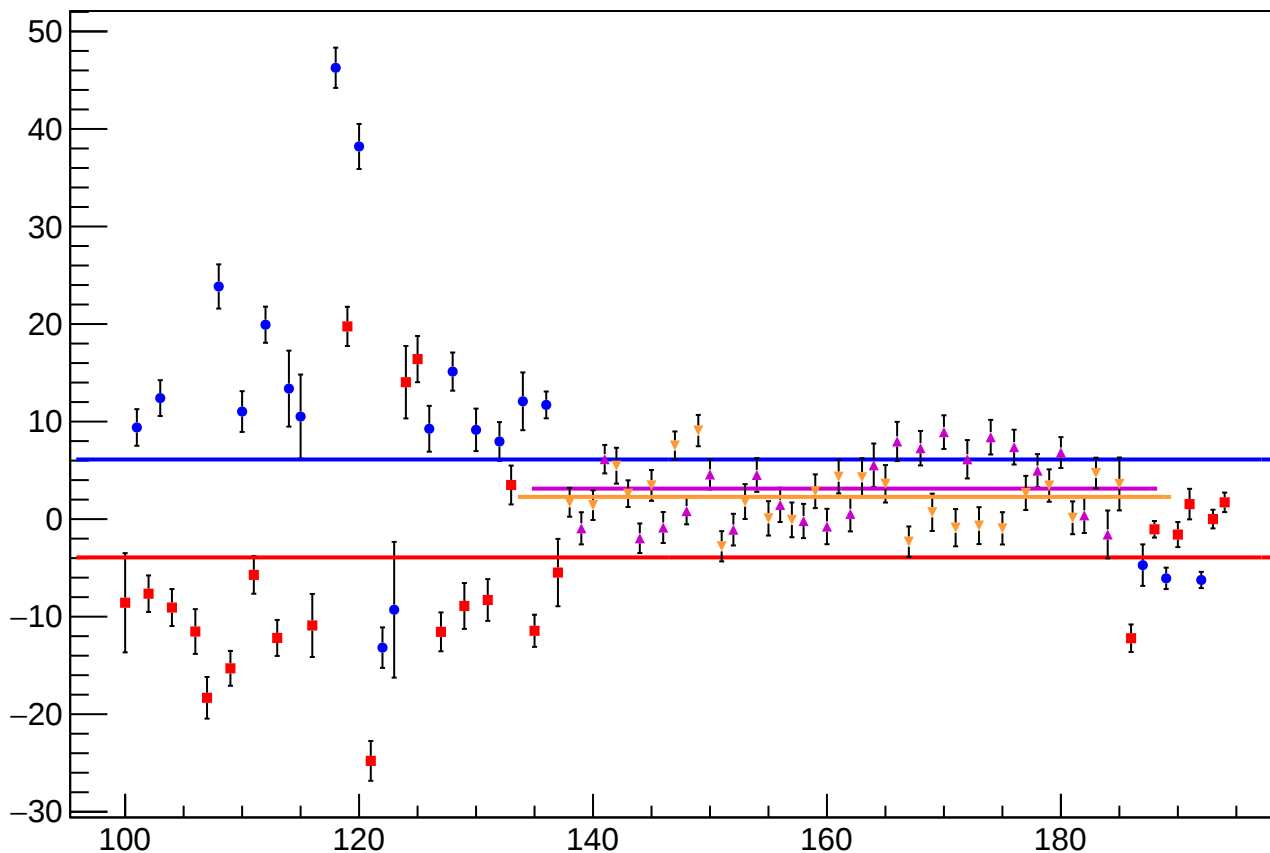
Left In: 1666.819 $\pm$ 0.287 χ^2 /NDF:650990.8/22

+ sign 1670.581 $\pm$ 0.235 χ^2 /NDF: 1521894.1/44

All: 1673.304 $\pm$ 0.165 χ^2 /NDF: 3885950.6/92

- sign 1675.958 $\pm$ 0.232 χ^2 /NDF: 2363790.9/47

diff_bpm0i07Y_mean vs Slug



Right In: 6.115 ± 0.403 χ^2/NDF : 1221.9/19

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

Right Out: -3.927 ± 0.332 χ^2/NDF : 643.5/24

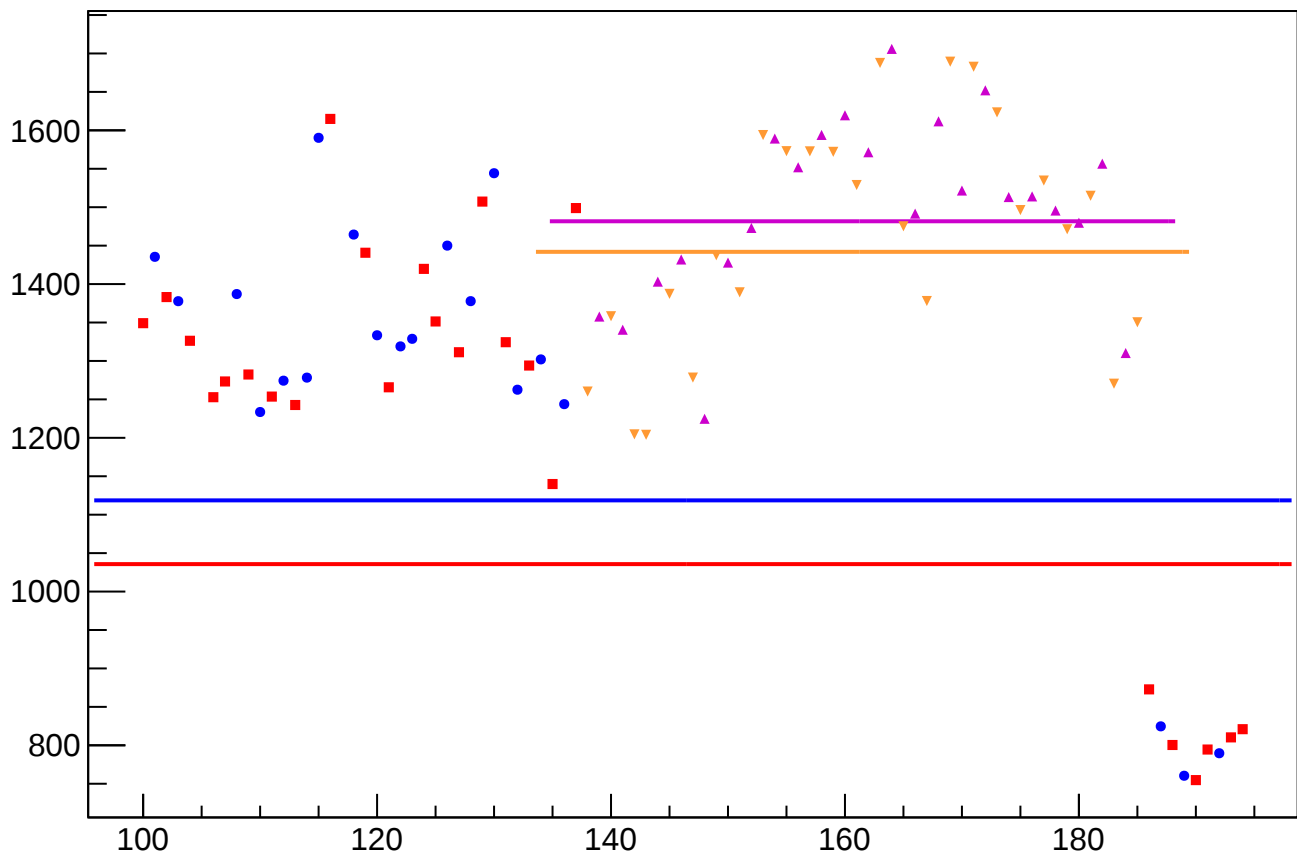
Left In: 3.129 ± 0.358 χ^2/NDF : 103.4/22

+ sign 3.863 ± 0.259 χ^2/NDF : 1350.6/44

All: 1.459 ± 0.177 χ^2/NDF : 2468.4/92

- sign -0.661 ± 0.243 χ^2/NDF : 955.9/47

diff_bpm0i07Y_rms vs Slug



Right In: 1118.623+/-0.285 χ^2/NDF : 1017903.2/19

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

Right Out: 1035.701+/-0.235 χ^2/NDF : 1241986.5/24

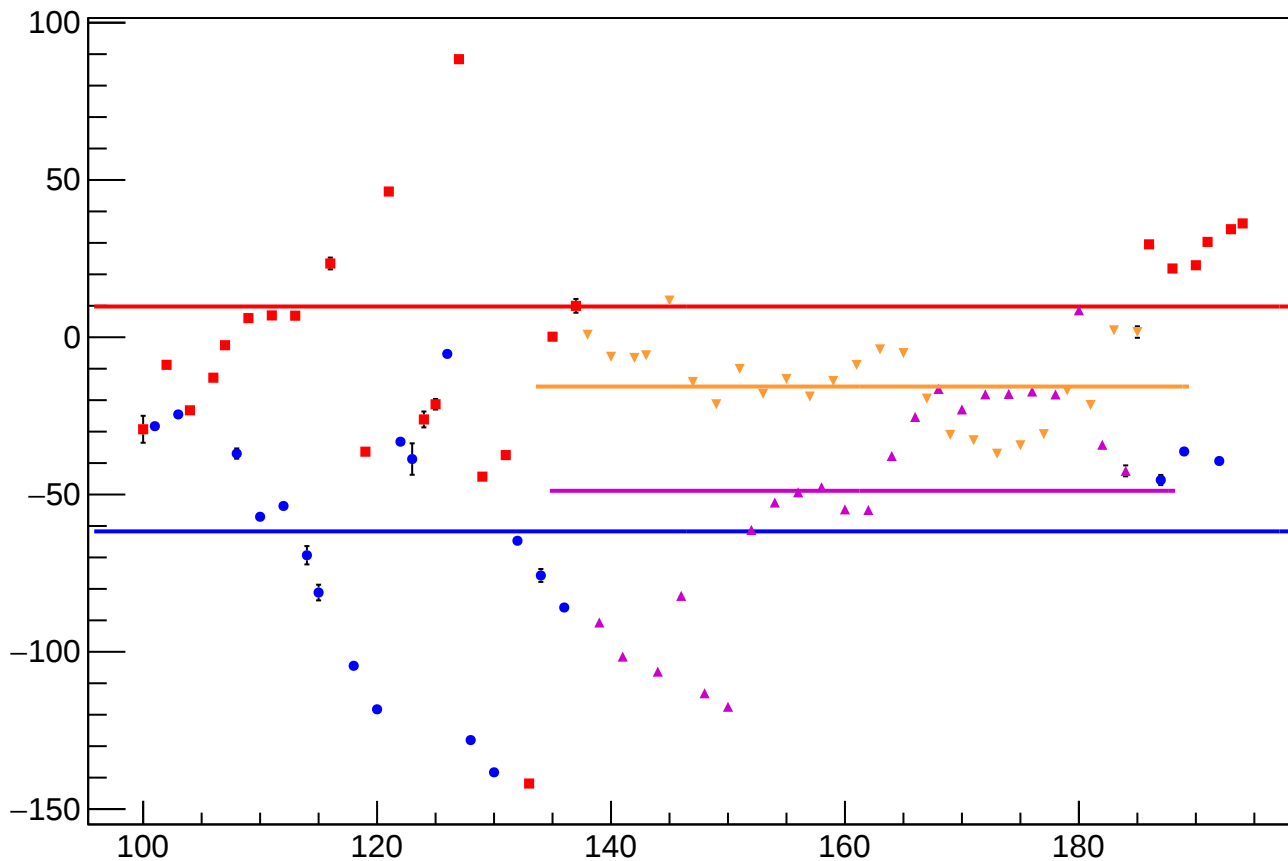
Left In: 1481.695+/-0.253 χ^2/NDF : 208470.6/22

+ sign 1308.485+/-0.183 χ^2/NDF : 2142888.4/44

All: 1273.234+/-0.125 χ^2/NDF : 5333388.7/92

- sign 1242.166+/-0.172 χ^2/NDF : 3120905.0/47

diff_bpm1i02X_mean vs Slug



Right In: -61.717 ± 0.298 $\chi^2/\text{NDF}: 14427.2/19$

Left Out: -15.666 ± 0.212 $\chi^2/\text{NDF}: 3518.1/24$

Right Out: 9.776 ± 0.247 $\chi^2/\text{NDF}: 24959.5/24$

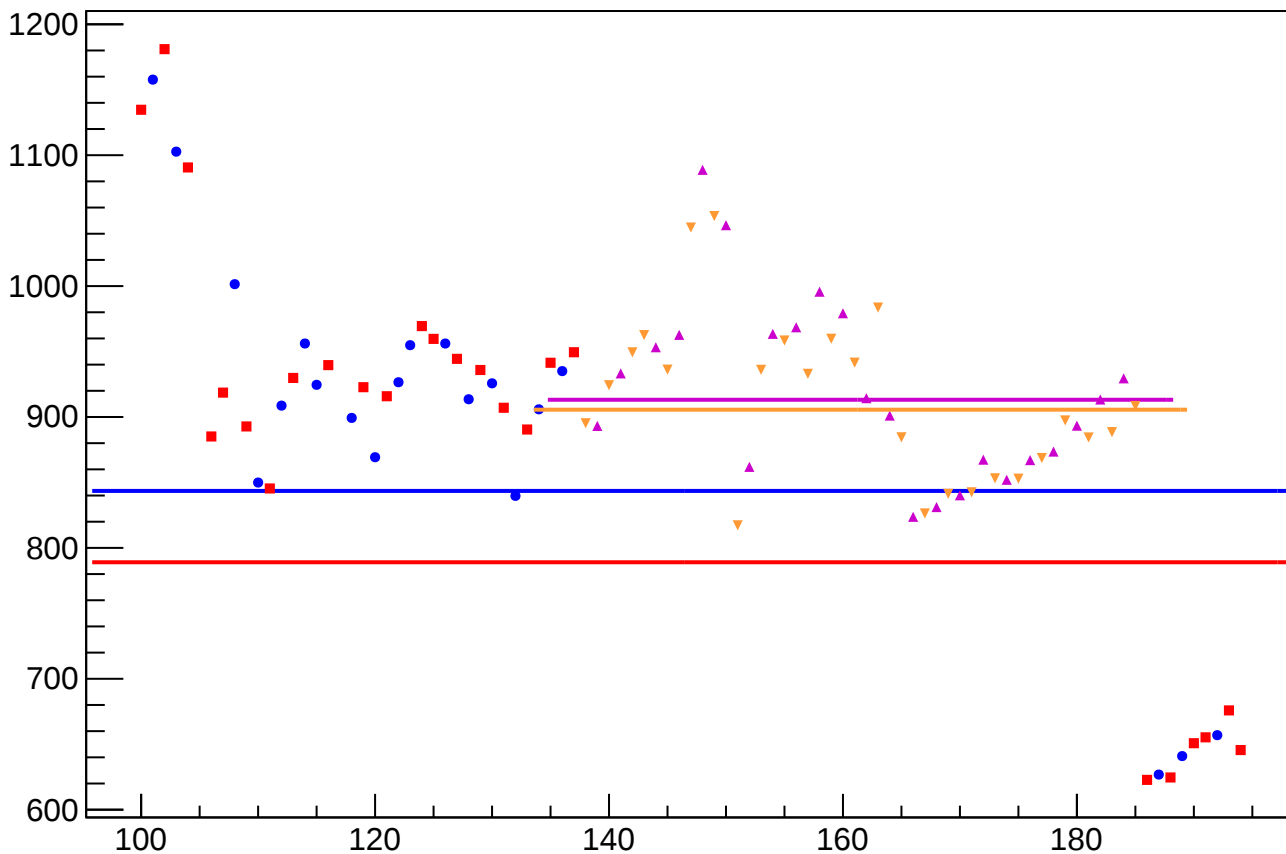
Left In: -48.812 ± 0.220 $\chi^2/\text{NDF}: 25260.8/22$

+ sign -31.083 ± 0.173 $\chi^2/\text{NDF}: 33814.2/44$

All: -26.819 ± 0.119 $\chi^2/\text{NDF}: 116543.1/92$

- sign -22.950 ± 0.164 $\chi^2/\text{NDF}: 81563.5/47$

diff_bpm1i02X_rms vs Slug



Right In: 843.523+/-0.211 χ^2/NDF : 511276.9/19

Left Out: 905.578+/-0.150 χ^2/NDF : 162073.5/24

Right Out: 789.024+/-0.175 χ^2/NDF : 808642.5/24

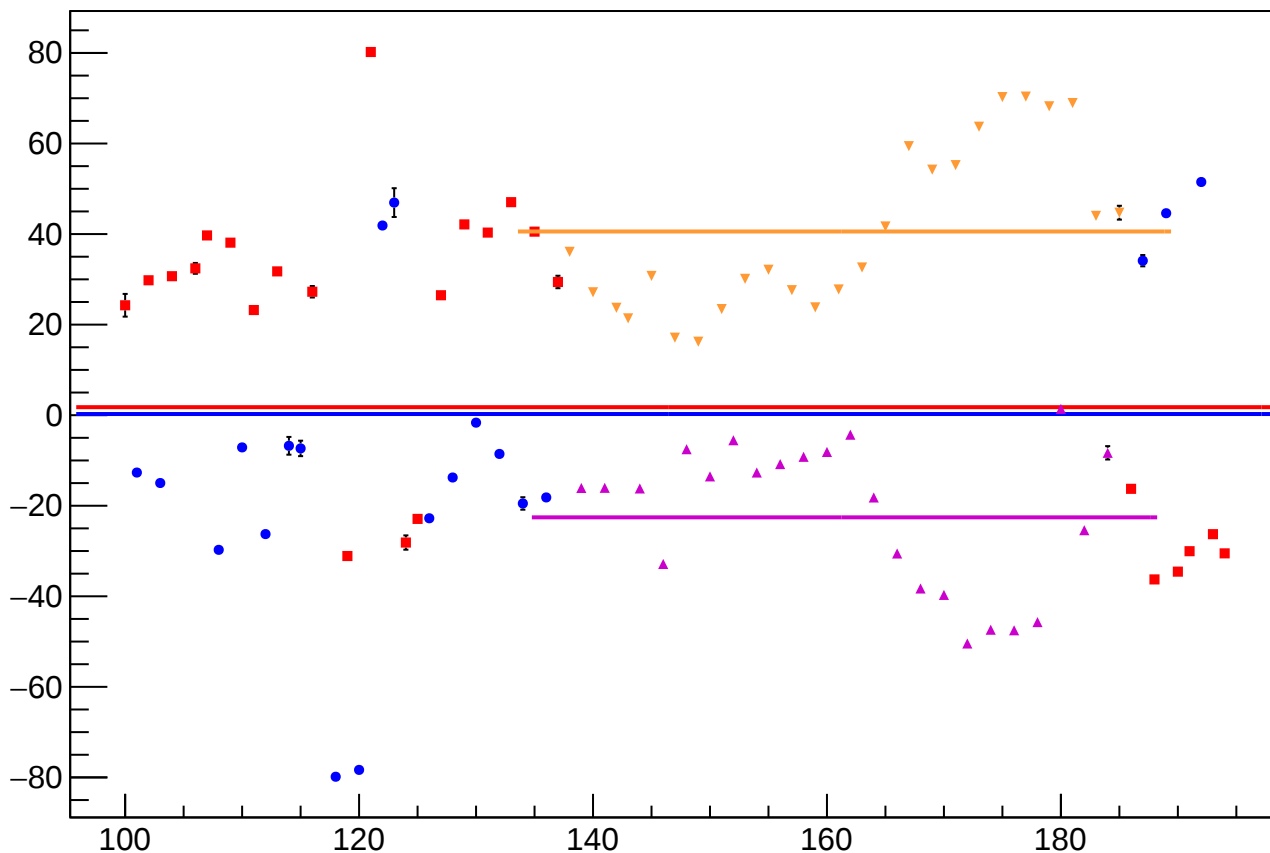
Left In: 913.165+/-0.155 χ^2/NDF : 174438.8/22

+ sign 884.804+/-0.122 χ^2/NDF : 730980.9/44

All: 870.942+/-0.084 χ^2/NDF : 2020127.2/92

- sign 858.365+/-0.116 χ^2/NDF : 1264517.5/47

diff_bpm1i02Y_mean vs Slug



Right In: 0.255 $\pm$ 0.205 χ^2 /NDF: 34522.8/19

Left Out: 40.573 $\pm$ 0.168 χ^2 /NDF:12079.0/24

Right Out: 1.769 $\pm$ 0.174 χ^2 /NDF: 40872.2/24

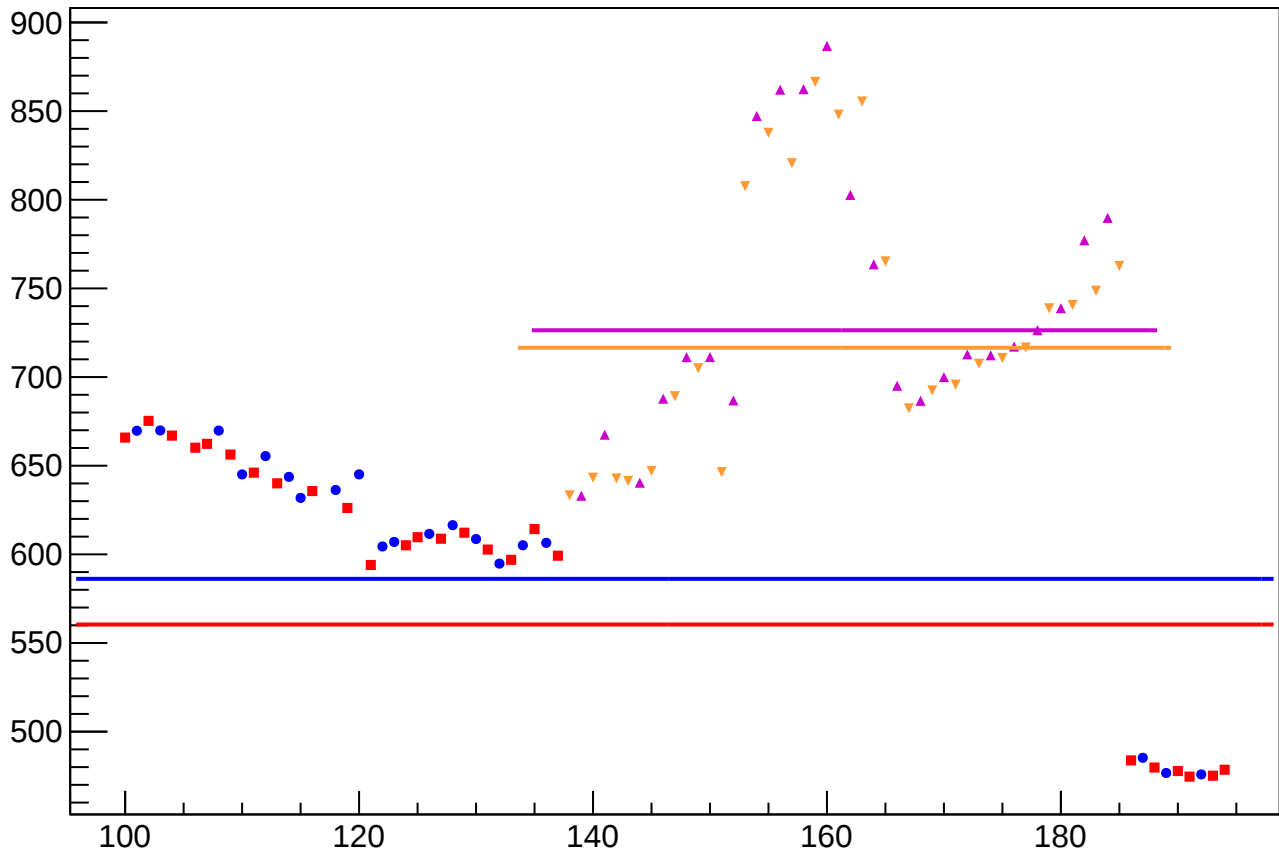
Left In: -22.565 $\pm$ 0.175 χ^2 /NDF:8167.7/22

+ sign 24.436 $\pm$ 0.130 χ^2 /NDF: 69697.6/44

All: 6.172 $\pm$ 0.090 χ^2 /NDF: 166001.3/92

- sign -10.301 $\pm$ 0.123 χ^2 /NDF: 58754.1/47

diff_bpm1i02Y_rms vs Slug



Right In: 586.187 $\pm$ 0.145 χ^2 /NDF: 249203.7/19

Left Out: 716.515 $\pm$ 0.119 χ^2 /NDF: 342740.2/24

Right Out: 560.440 $\pm$ 0.123 χ^2 /NDF: 400287.8/24

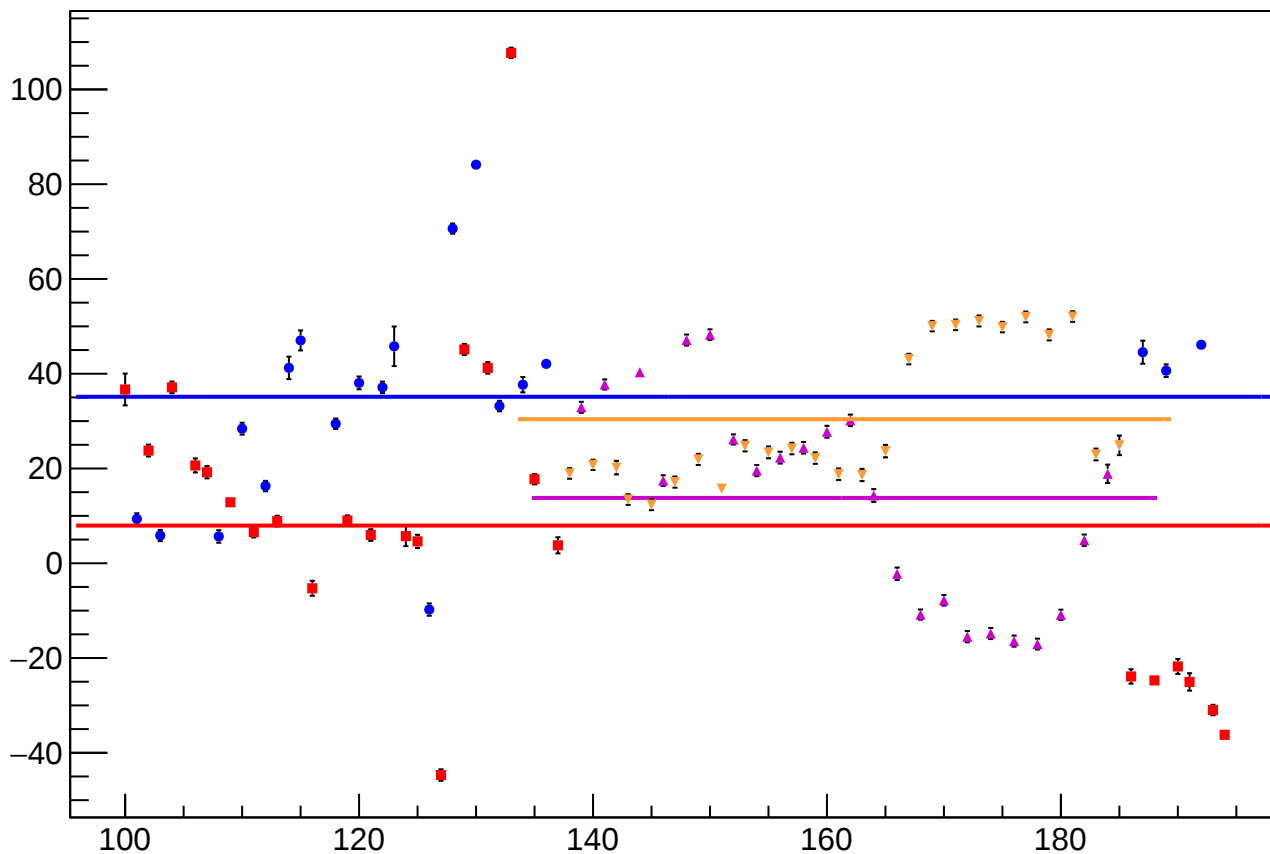
Left In: 726.390 $\pm$ 0.124 χ^2 /NDF: 289788.8/22

+ sign 664.351 $\pm$ 0.092 χ^2 /NDF: 1074616.0/44

All: 652.994 $\pm$ 0.063 χ^2 /NDF: 2697256.7/92

- sign 642.751 $\pm$ 0.087 χ^2 /NDF: 1593602.8/47

diff_bpm1i04X_mean vs Slug



Right In: 35.136 $\pm$ 0.279 χ^2 /NDF: 6607.5/19

Left Out: 30.408 $\pm$ 0.237 χ^2 /NDF: 3808.0/24

Right Out: 7.949 $\pm$ 0.253 χ^2 /NDF: 18420.6/24

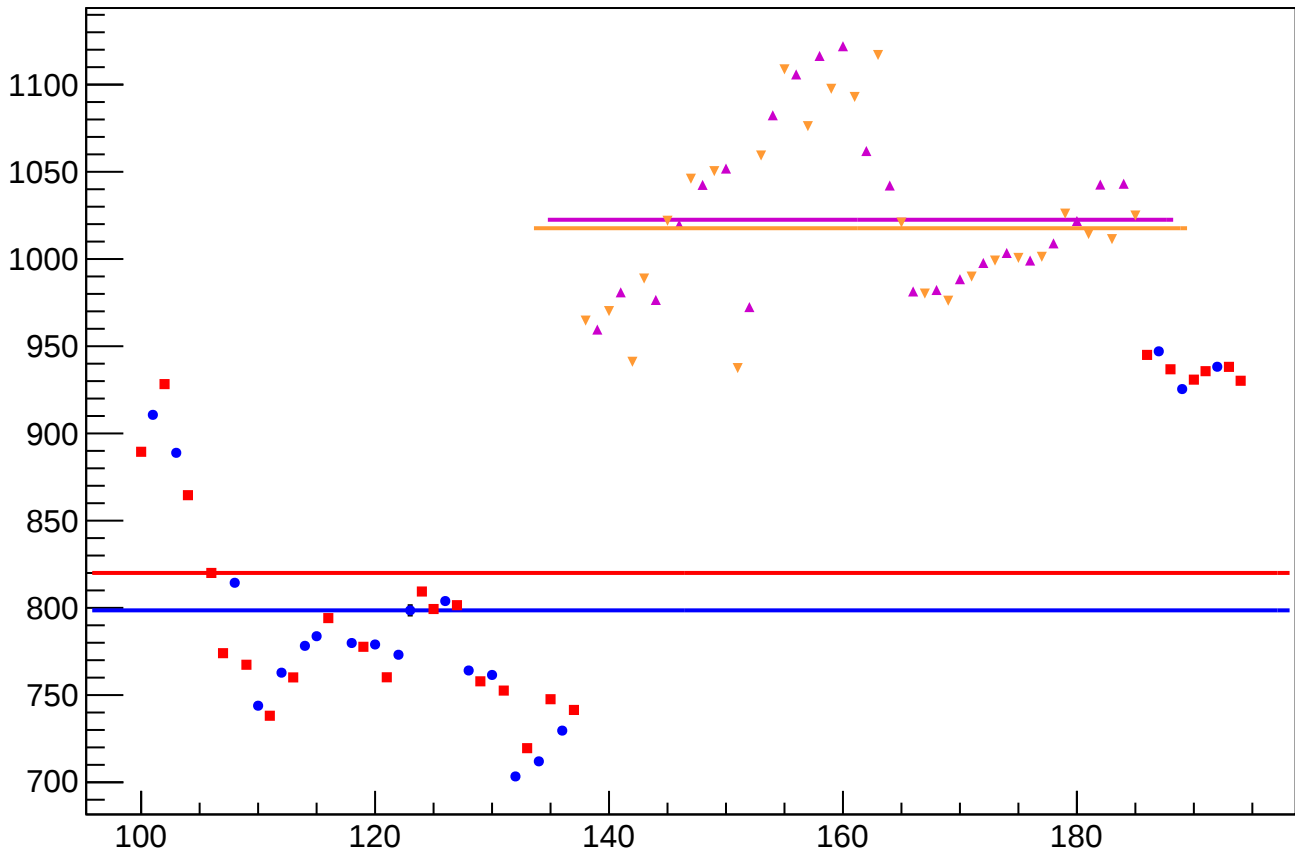
Left In: 13.787 $\pm$ 0.246 χ^2 /NDF: 7979.7/22

+ sign 32.393 $\pm$ 0.181 χ^2 /NDF: 10582.1/44

All: 21.408 $\pm$ 0.126 χ^2 /NDF: 44458.7/92

- sign 10.955 $\pm$ 0.176 χ^2 /NDF: 26673.8/47

diff_bpm1i04X_rms vs Slug



Right In: 798.570 $\pm$ 0.197 χ^2 /NDF: 143657.9/19

Left Out: 1017.653 $\pm$ 0.168 χ^2 /NDF:83612.5/24

Right Out: 820.022 $\pm$ 0.179 χ^2 /NDF: 198728.4/24

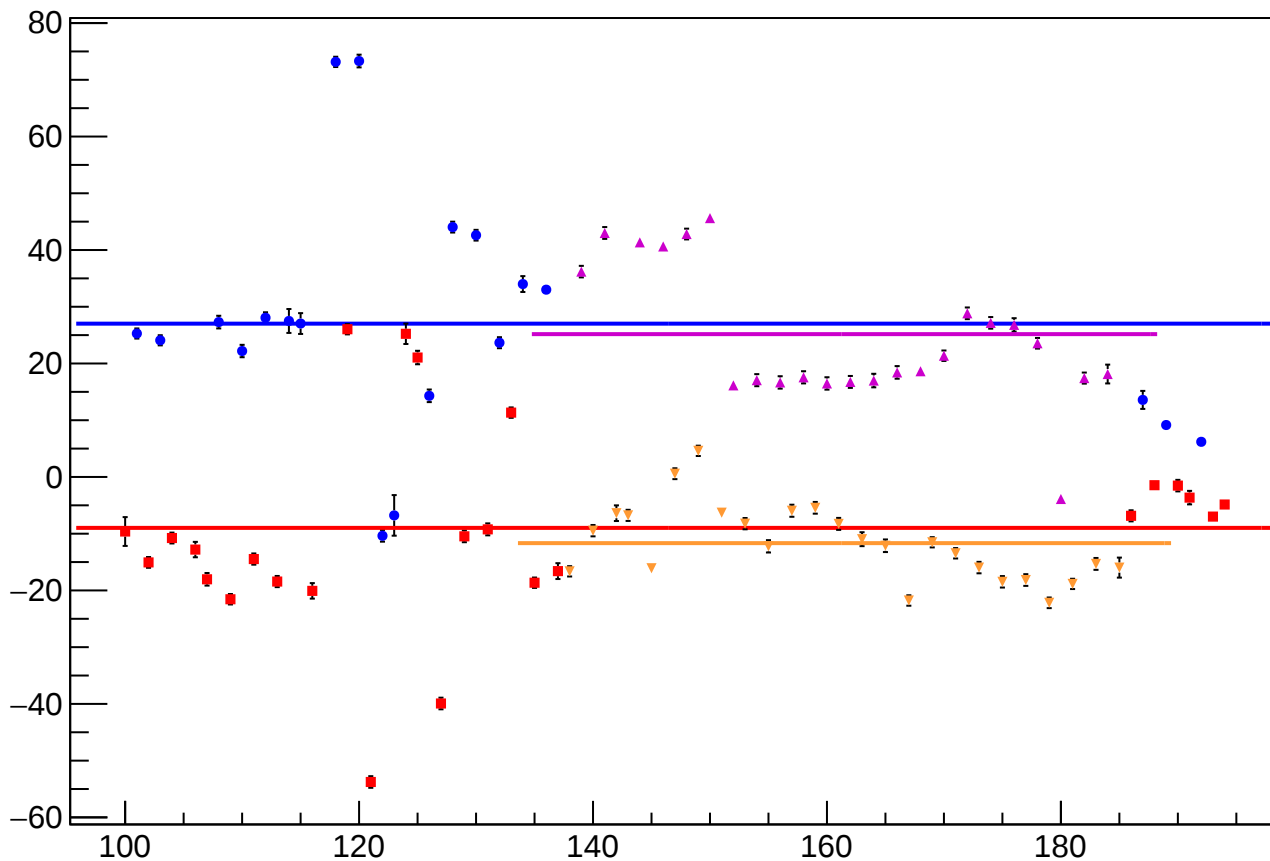
Left In: 1022.511 $\pm$ 0.174 χ^2 /NDF:69635.5/22

+ sign 925.669 $\pm$ 0.128 χ^2 /NDF: 942412.9/44

All: 924.956 $\pm$ 0.089 χ^2 /NDF: 1869150.8/92

- sign 924.277 $\pm$ 0.125 χ^2 /NDF: 926677.1/47

diff_bpm1i04Y_mean vs Slug



Right In: 27.021 $\pm$ 0.223 χ^2 /NDF: 8230.6/19

Left Out: -11.664 $\pm$ 0.200 χ^2 /NDF:1147.4/24

Right Out: -8.974 $\pm$ 0.196 χ^2 /NDF: 6700.4/24

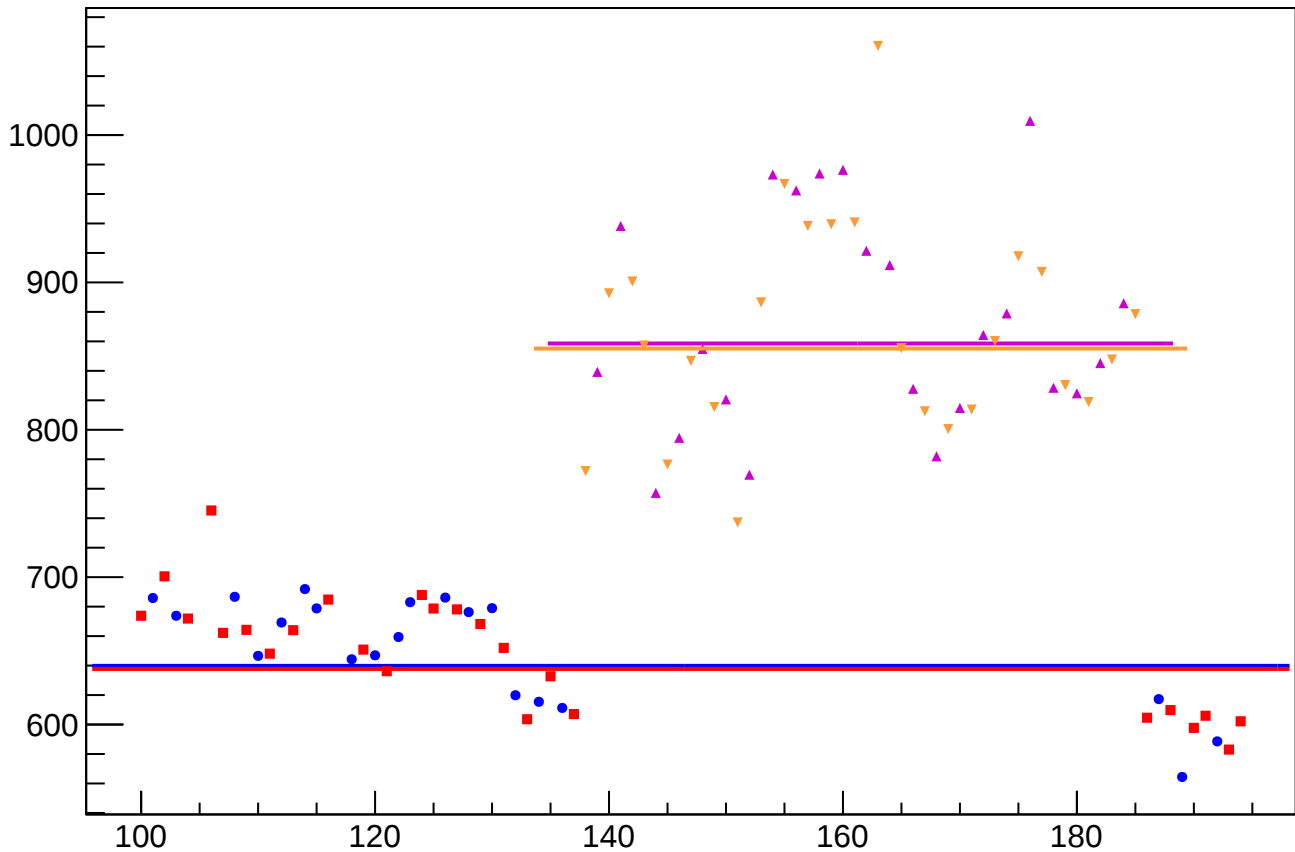
Left In: 25.174 $\pm$ 0.207 χ^2 /NDF:3747.1/22

+ sign 5.594 $\pm$ 0.149 χ^2 /NDF: 26020.8/44

All: 6.420 $\pm$ 0.103 χ^2 /NDF: 50818.3/92

- sign 7.176 $\pm$ 0.143 χ^2 /NDF: 24738.7/47

diff_bpm1i04Y_rms vs Slug



Right In: 639.797 $\pm$ 0.158 χ^2 /NDF: 62828.3/19

Left Out: 855.131 $\pm$ 0.142 χ^2 /NDF: 233746.7/24

Right Out: 637.726 $\pm$ 0.139 χ^2 /NDF: 73362.5/24

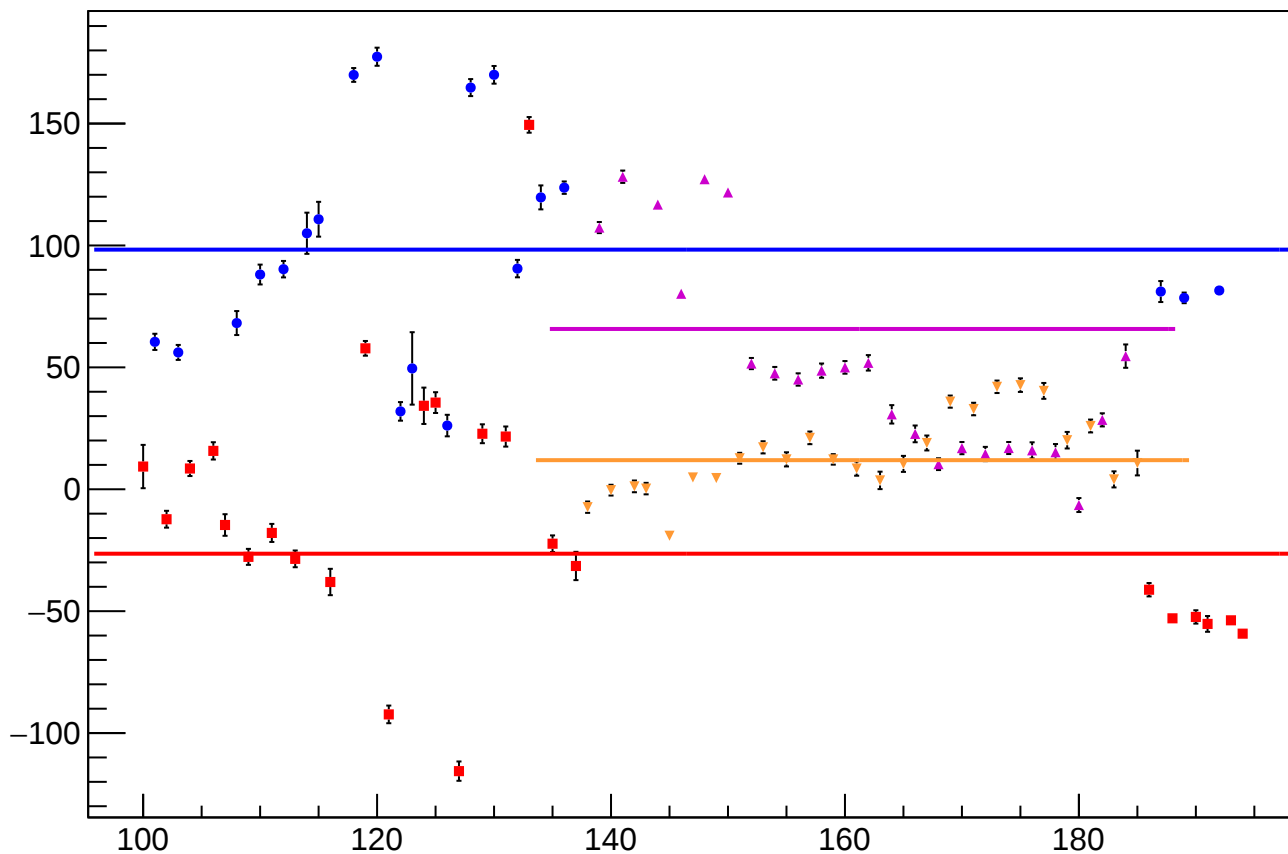
Left In: 858.563 $\pm$ 0.147 χ^2 /NDF: 239019.8/22

+ sign 759.069 $\pm$ 0.105 χ^2 /NDF: 1327926.2/44

All: 750.247 $\pm$ 0.073 χ^2 /NDF: 2849127.0/92

- sign 742.172 $\pm$ 0.101 χ^2 /NDF: 1507783.5/47

diff_bpm1i06X_mean vs Slug



Right In: 98.291 ± 0.745 χ^2/NDF : 3122.7/19

Left Out: 11.938 ± 0.505 χ^2/NDF : 976.6/24

Right Out: -26.426 ± 0.622 χ^2/NDF : 6498.3/24

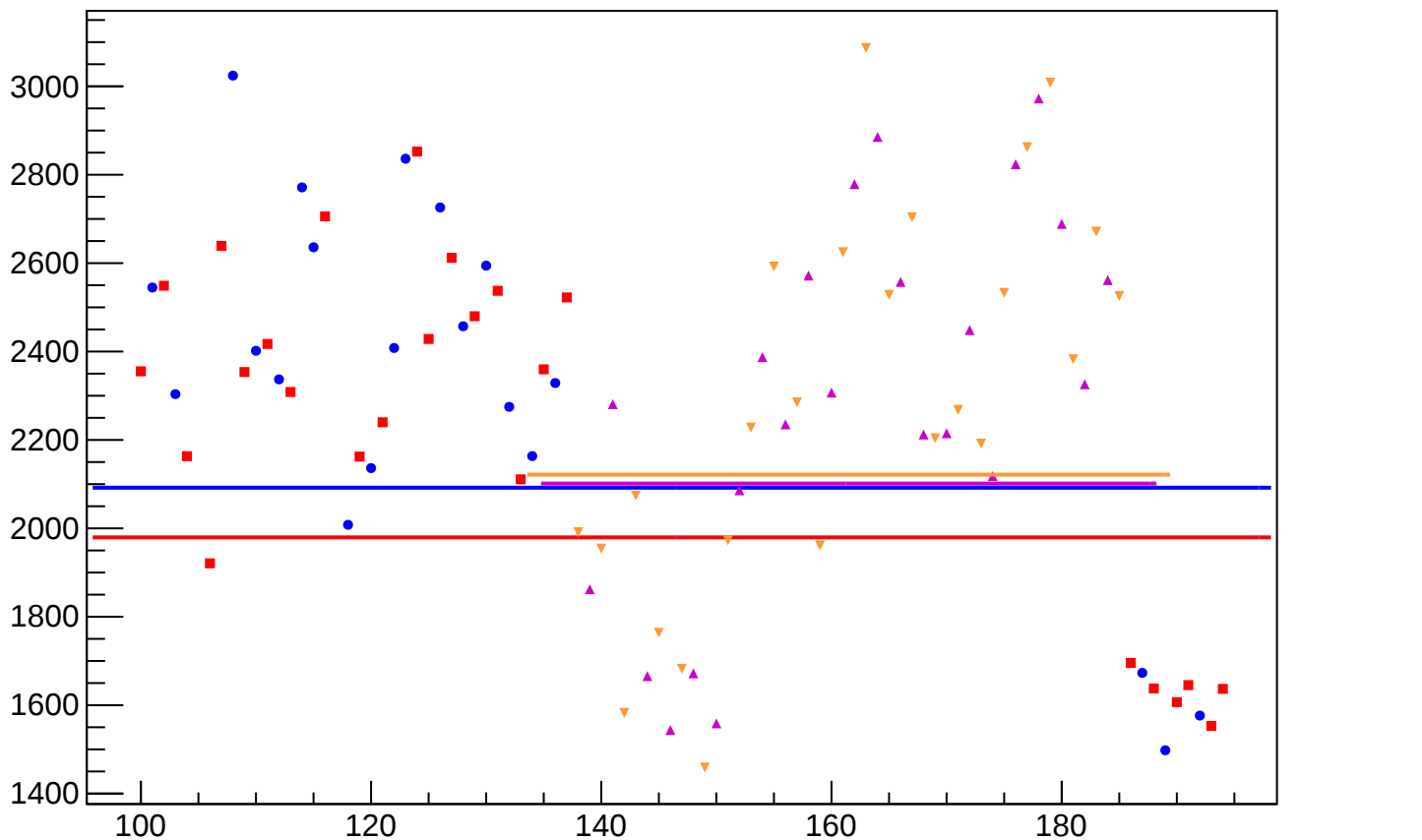
Left In: 65.752 ± 0.518 χ^2/NDF : 7335.8/22

+ sign 39.140 ± 0.418 χ^2/NDF : 13298.5/44

All: 33.303 ± 0.288 χ^2/NDF : 40482.0/92

- sign 28.020 ± 0.398 χ^2/NDF : 26812.3/47

diff_bpm1i06X_rms vs Slug



Right In: 2091.997 $\pm$ 0.527 χ^2 /NDF: 670980.2/19

Left Out: 2121.567 $\pm$ 0.357 χ^2 /NDF:1387847.6/24

Right Out: 1979.603 $\pm$ 0.440 χ^2 /NDF: 792138.0/24

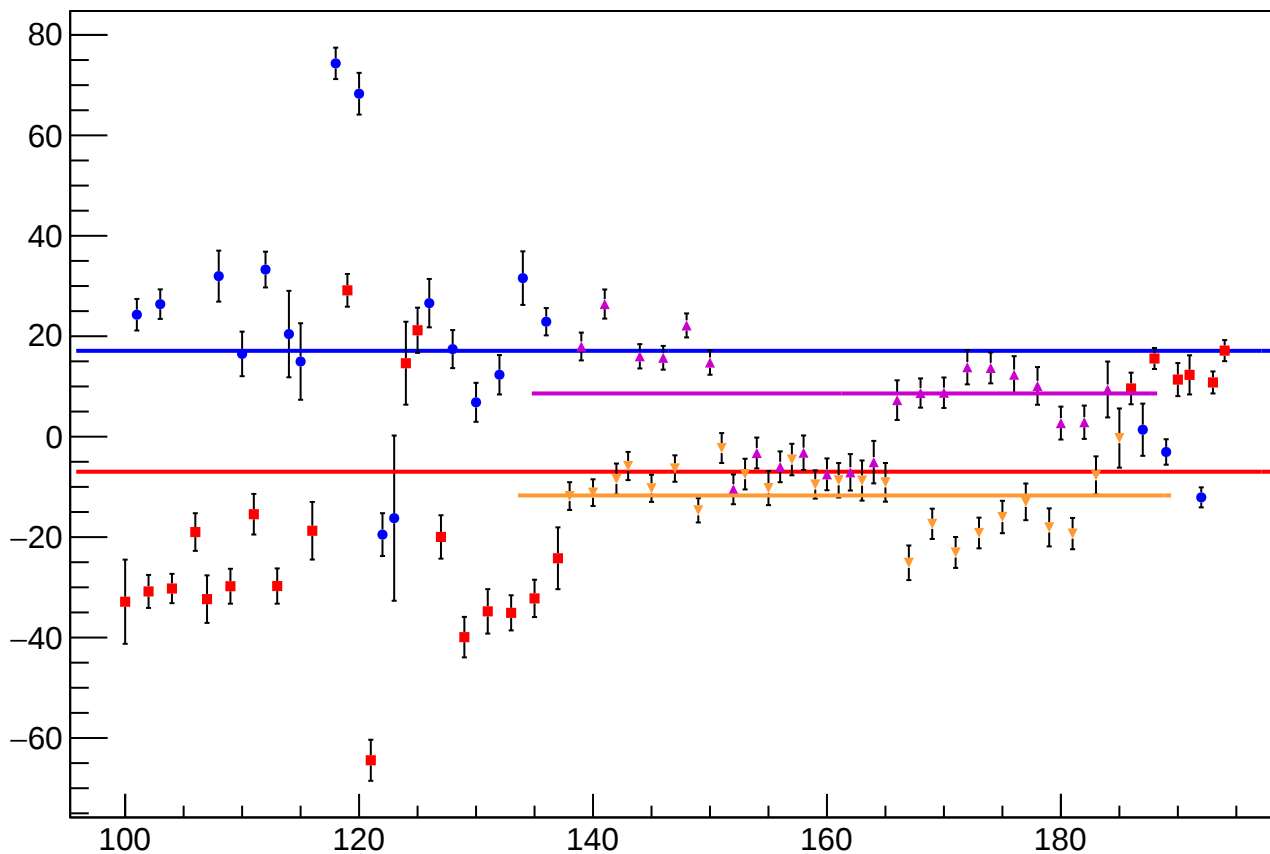
Left In: 2101.325 $\pm$ 0.366 χ^2 /NDF:1360518.3/22

+ sign 2112.252 $\pm$ 0.296 χ^2 /NDF: 2060985.2/44

All: 2080.361 $\pm$ 0.204 χ^2 /NDF: 4281056.9/92

- sign 2051.499 $\pm$ 0.281 χ^2 /NDF: 2197917.5/47

diff_bpm1i06Y_mean vs Slug



Right In: 17.096 ± 0.818 $\chi^2/\text{NDF}: 920.0/19$

Left Out: -11.700 ± 0.625 $\chi^2/\text{NDF}: 85.0/24$

Right Out: -6.975 ± 0.693 $\chi^2/\text{NDF}: 1255.3/24$

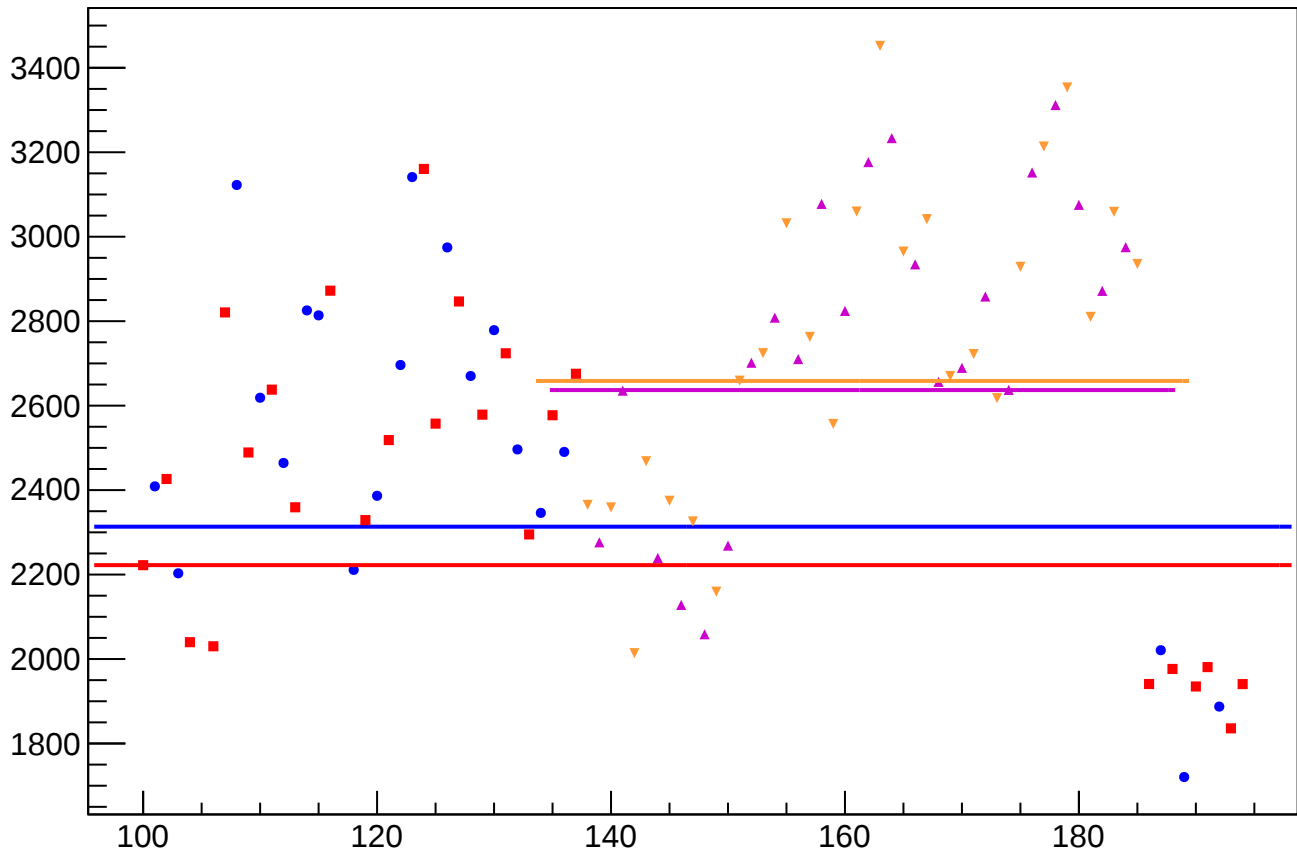
Left In: 8.606 ± 0.642 $\chi^2/\text{NDF}: 264.2/22$

+ sign -1.082 ± 0.497 $\chi^2/\text{NDF}: 1786.6/44$

All: 0.231 ± 0.342 $\chi^2/\text{NDF}: 3591.5/92$

- sign 1.410 ± 0.471 $\chi^2/\text{NDF}: 1791.6/47$

diff_bpm1i06Y_rms vs Slug



Right In: 2313.405+/-0.579 χ^2/NDF : 412053.6/19

Left Out: 2658.486+/-0.442 χ^2/NDF : 618133.8/24

Right Out: 2222.345+/-0.490 χ^2/NDF : 441660.3/24

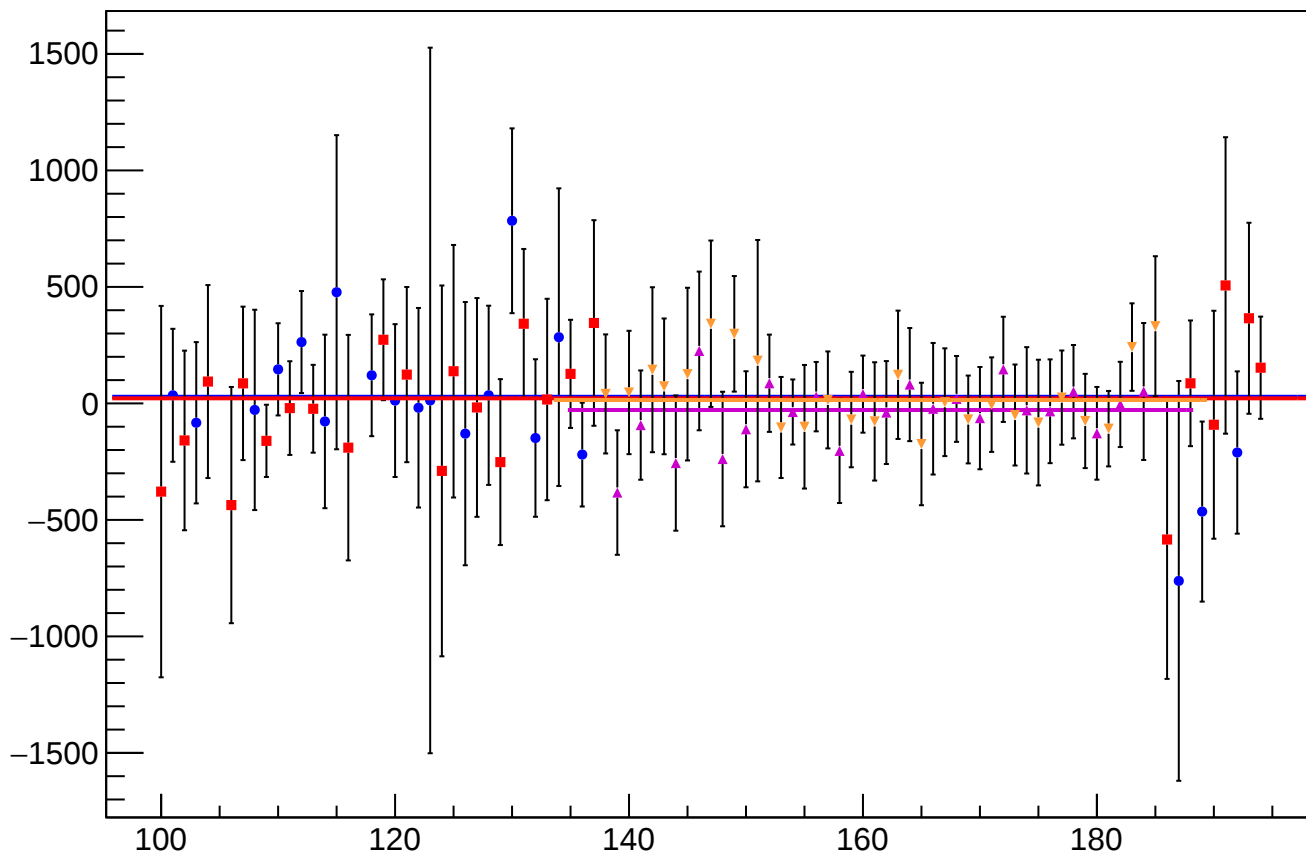
Left In: 2636.885+/-0.454 χ^2/NDF : 652894.5/22

+ sign 2531.250+/-0.351 χ^2/NDF : 1254671.0/44

All: 2486.035+/-0.242 χ^2/NDF : 2765852.7/92

- sign 2445.432+/-0.333 χ^2/NDF : 1479755.8/47

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 28.395 $\pm$ 75.472 χ^2 /NDF: 10.6/19

Left Out: 14.520 $\pm$ 47.528 χ^2 /NDF: 7.8/24

Right Out: 21.792 $\pm$ 62.738 χ^2 /NDF: 9.4/24

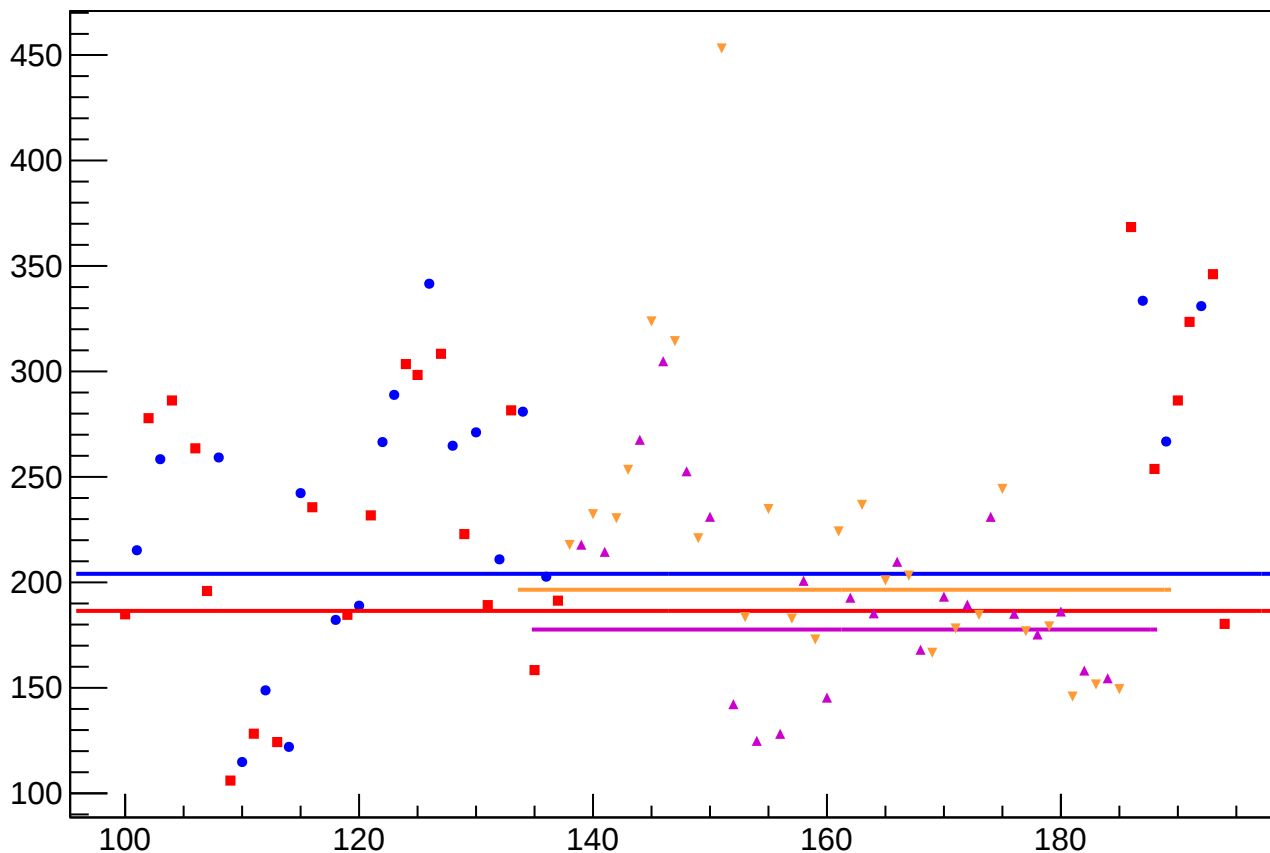
Left In: -28.310 $\pm$ 44.638 χ^2 /NDF: 6.3/22

+ sign 18.460 $\pm$ 40.218 χ^2 /NDF: 18.4/44

All: 1.995 $\pm$ 26.976 χ^2 /NDF: 34.8/92

- sign -11.470 $\pm$ 36.371 χ^2 /NDF: 16.1/47

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 204.061 $\pm$ 0.053 χ^2 /NDF: 1408773.4/19

Left Out: 196.514 $\pm$ 0.034 χ^2 /NDF: 1789504.4/24

Right Out: 186.488 $\pm$ 0.044 χ^2 /NDF: 2450445.8/24

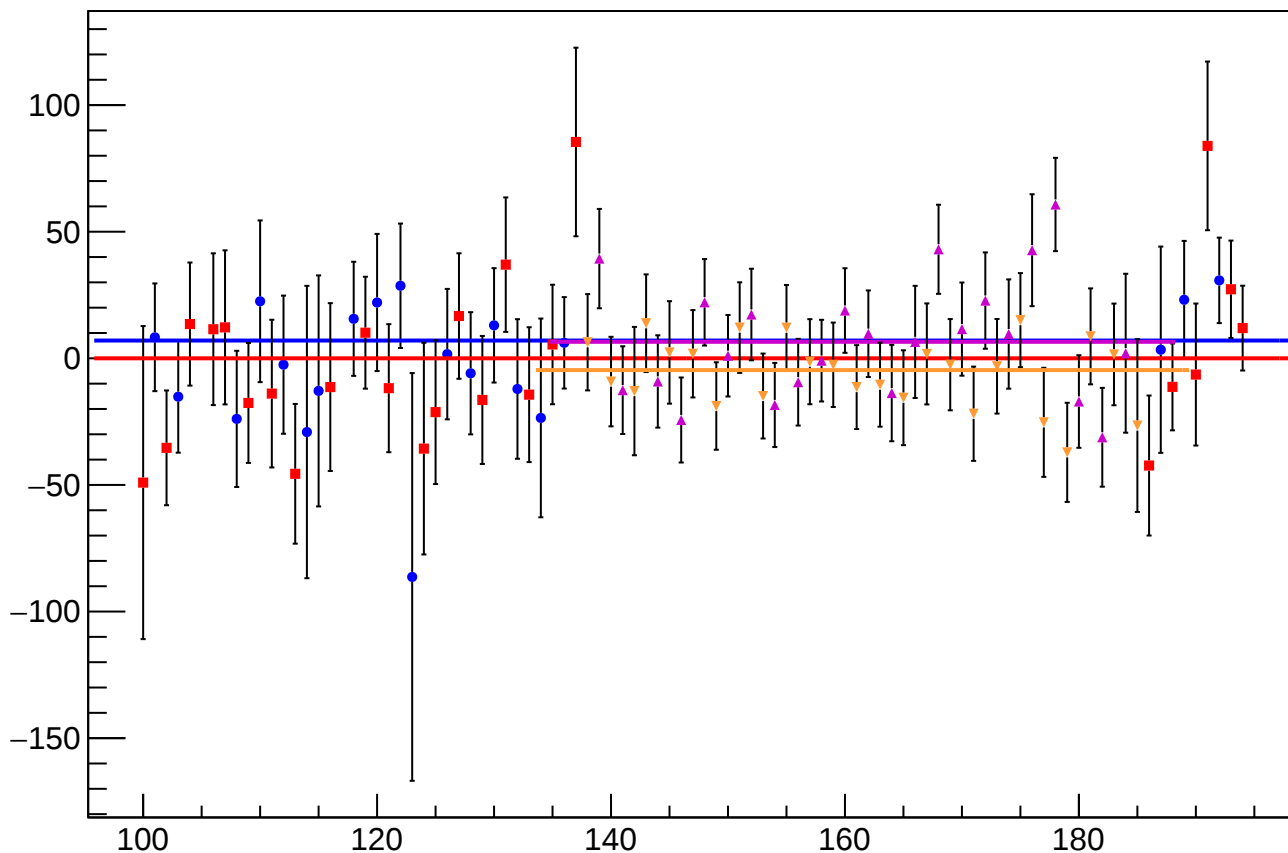
Left In: 177.643 $\pm$ 0.032 χ^2 /NDF: 1630664.5/22

+ sign 198.657 $\pm$ 0.028 χ^2 /NDF: 3212596.2/44

All: 188.733 $\pm$ 0.019 χ^2 /NDF: 7541487.7/92

- sign 180.616 $\pm$ 0.026 χ^2 /NDF: 4107501.3/47

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 7.025 ± 5.767 $\chi^2/\text{NDF}: 9.8/19$

Left Out: -4.646 ± 3.728 $\chi^2/\text{NDF}: 12.1/24$

Right Out: 0.003 ± 5.103 $\chi^2/\text{NDF}: 29.2/24$

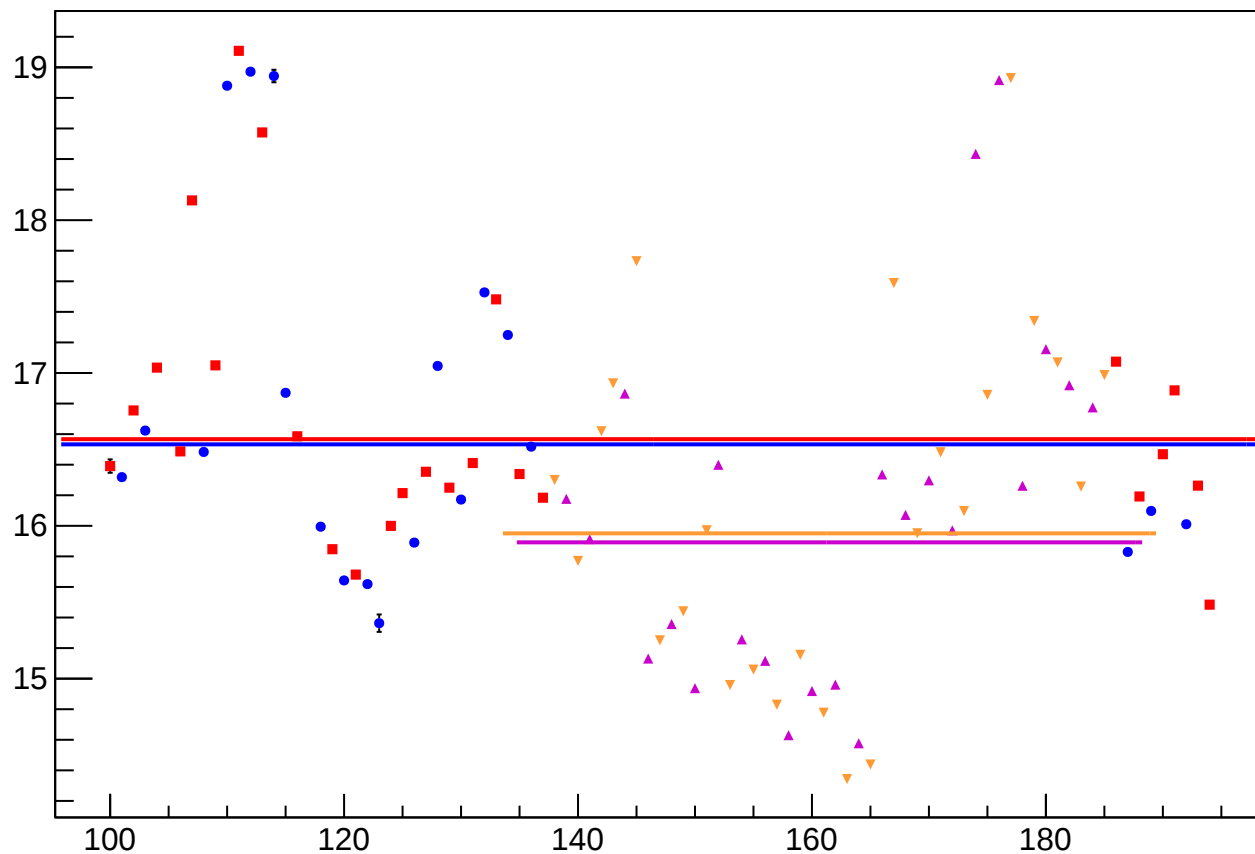
Left In: 6.526 ± 3.828 $\chi^2/\text{NDF}: 36.4/22$

+ sign -1.206 ± 3.131 $\chi^2/\text{NDF}: 24.8/44$

All: 1.545 ± 2.189 $\chi^2/\text{NDF}: 92.9/92$

- sign 4.178 ± 3.062 $\chi^2/\text{NDF}: 66.6/47$

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.533 $\pm$ 0.004 χ^2 /NDF: 46266.5/19

Left Out: 15.951 $\pm$ 0.003 χ^2 /NDF: 173458.5/24

Right Out: 16.567 $\pm$ 0.004 χ^2 /NDF: 52051.5/24

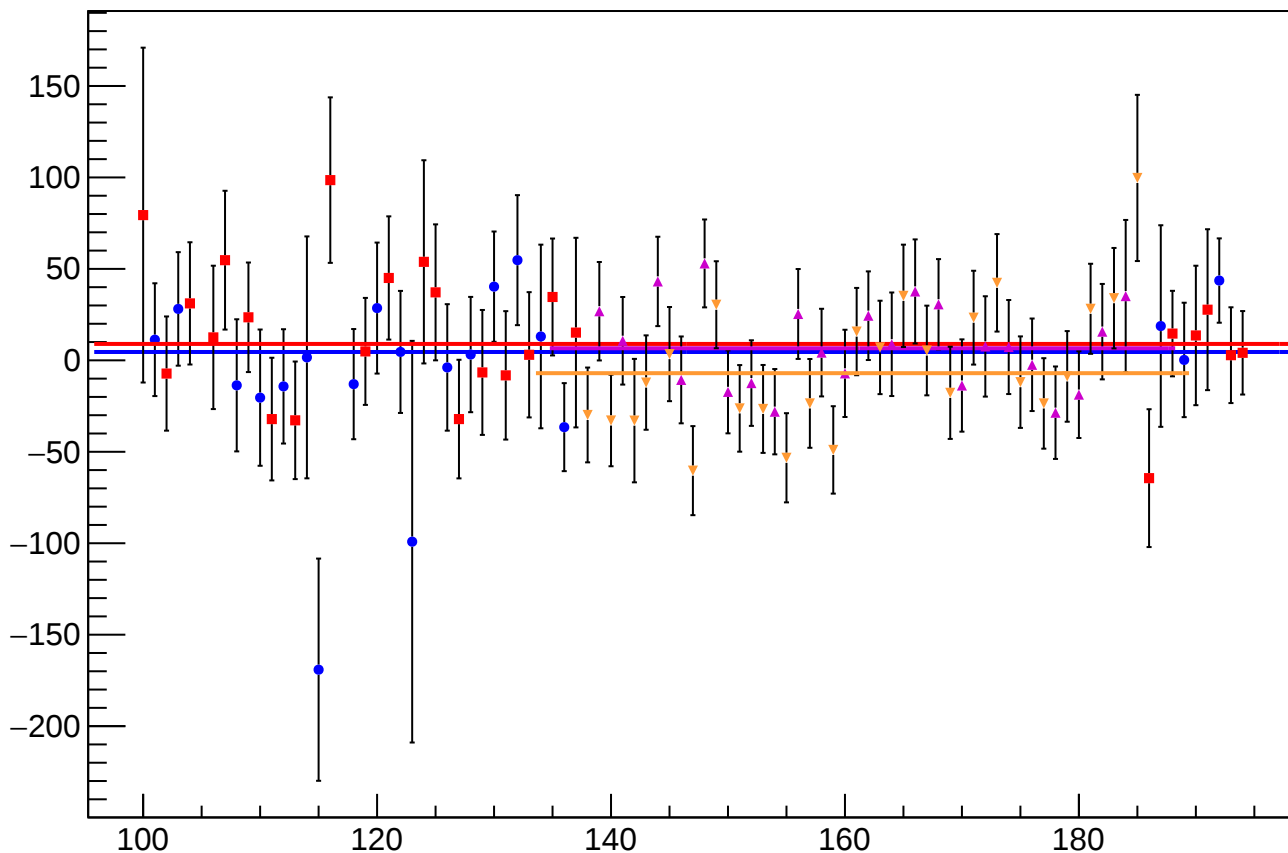
Left In: 15.892 $\pm$ 0.003 χ^2 /NDF: 147093.3/22

+ sign 16.122 $\pm$ 0.002 χ^2 /NDF: 234113.9/44

All: 16.129 $\pm$ 0.002 χ^2 /NDF: 455676.5/92

- sign 16.135 $\pm$ 0.002 χ^2 /NDF: 221546.1/47

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 4.567 ± 7.657 χ^2/NDF : 20.9/19

Left Out: -7.017 ± 5.121 χ^2/NDF : 37.4/24

Right Out: 8.970 ± 6.759 χ^2/NDF : 19.4/24

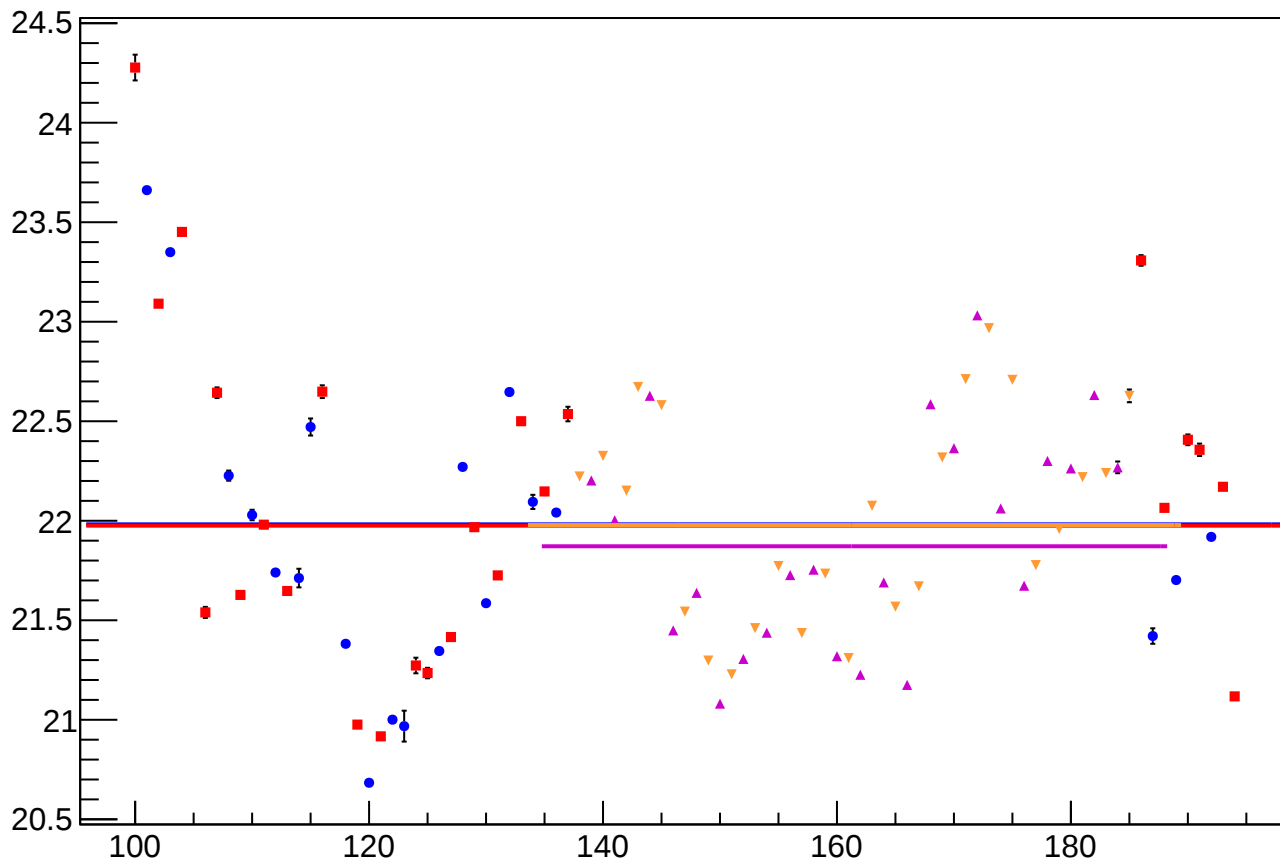
Left In: 6.611 ± 5.251 χ^2/NDF : 19.1/22

+ sign -3.437 ± 4.257 χ^2/NDF : 59.9/44

All: 2.174 ± 2.970 χ^2/NDF : 101.9/92

- sign 7.499 ± 4.147 χ^2/NDF : 38.6/47

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.982 $\pm$ 0.005 χ^2 /NDF: 17813.3/19

Left Out: 21.978 $\pm$ 0.004 χ^2 /NDF:19430.2/24

Right Out: 21.975 $\pm$ 0.005 χ^2 /NDF: 22264.8/24

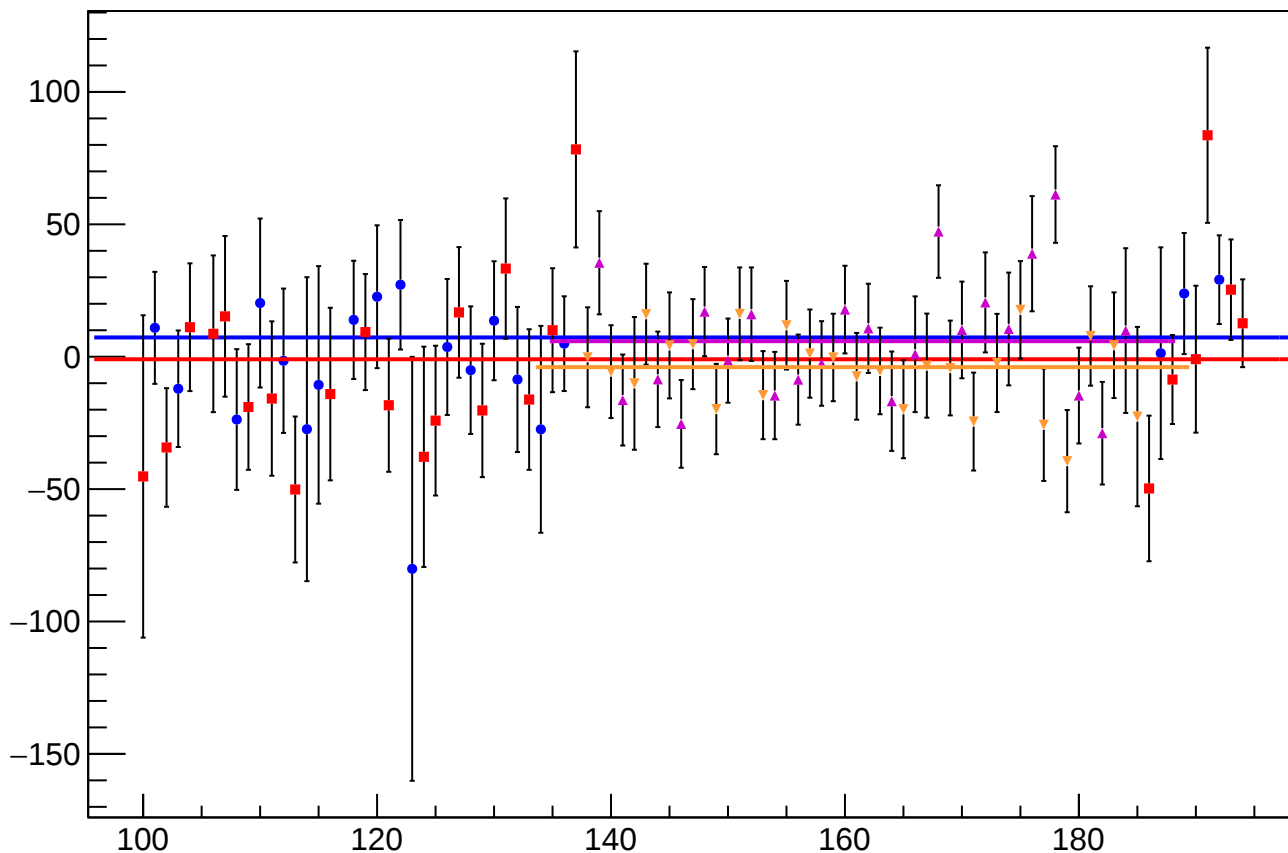
Left In: 21.872 $\pm$ 0.004 χ^2 /NDF:20524.9/22

+ sign 21.979 $\pm$ 0.003 χ^2 /NDF: 37243.8/44

All: 21.944 $\pm$ 0.002 χ^2 /NDF: 80593.7/92

- sign 21.911 $\pm$ 0.003 χ^2 /NDF: 43082.9/47

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 7.280 ± 5.728 $\chi^2/\text{NDF}: 9.0/19$

Left Out: -3.927 ± 3.688 $\chi^2/\text{NDF}: 14.0/24$

Right Out: -0.963 ± 5.062 $\chi^2/\text{NDF}: 30.1/24$

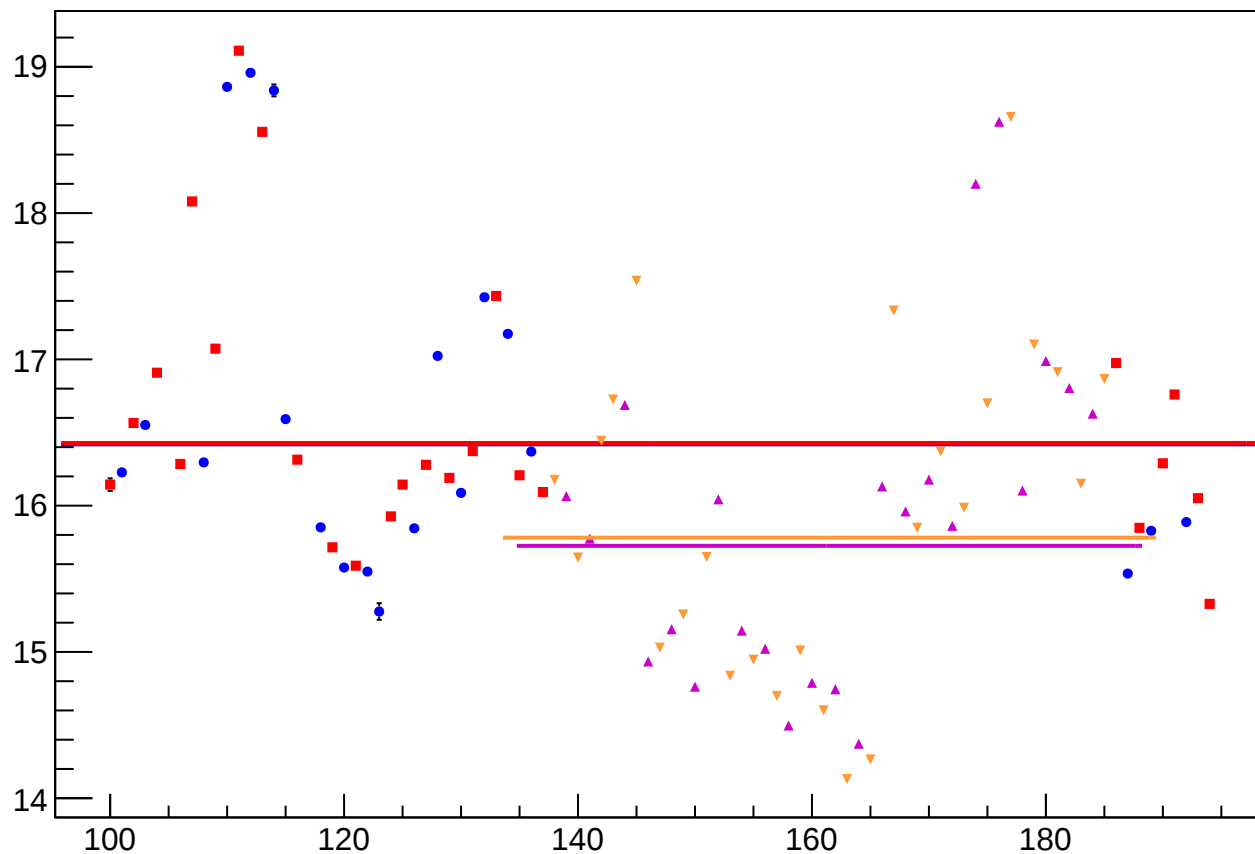
Left In: 5.861 ± 3.787 $\chi^2/\text{NDF}: 36.2/22$

+ sign -0.643 ± 3.101 $\chi^2/\text{NDF}: 25.7/44$

All: 1.430 ± 2.168 $\chi^2/\text{NDF}: 94.0/92$

- sign 3.412 ± 3.032 $\chi^2/\text{NDF}: 67.5/47$

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.419 $\pm$ 0.004 χ^2 /NDF: 49612.1/19

Left Out: 15.781 $\pm$ 0.003 χ^2 /NDF: 172894.3/24

Right Out: 16.429 $\pm$ 0.004 χ^2 /NDF: 58549.6/24

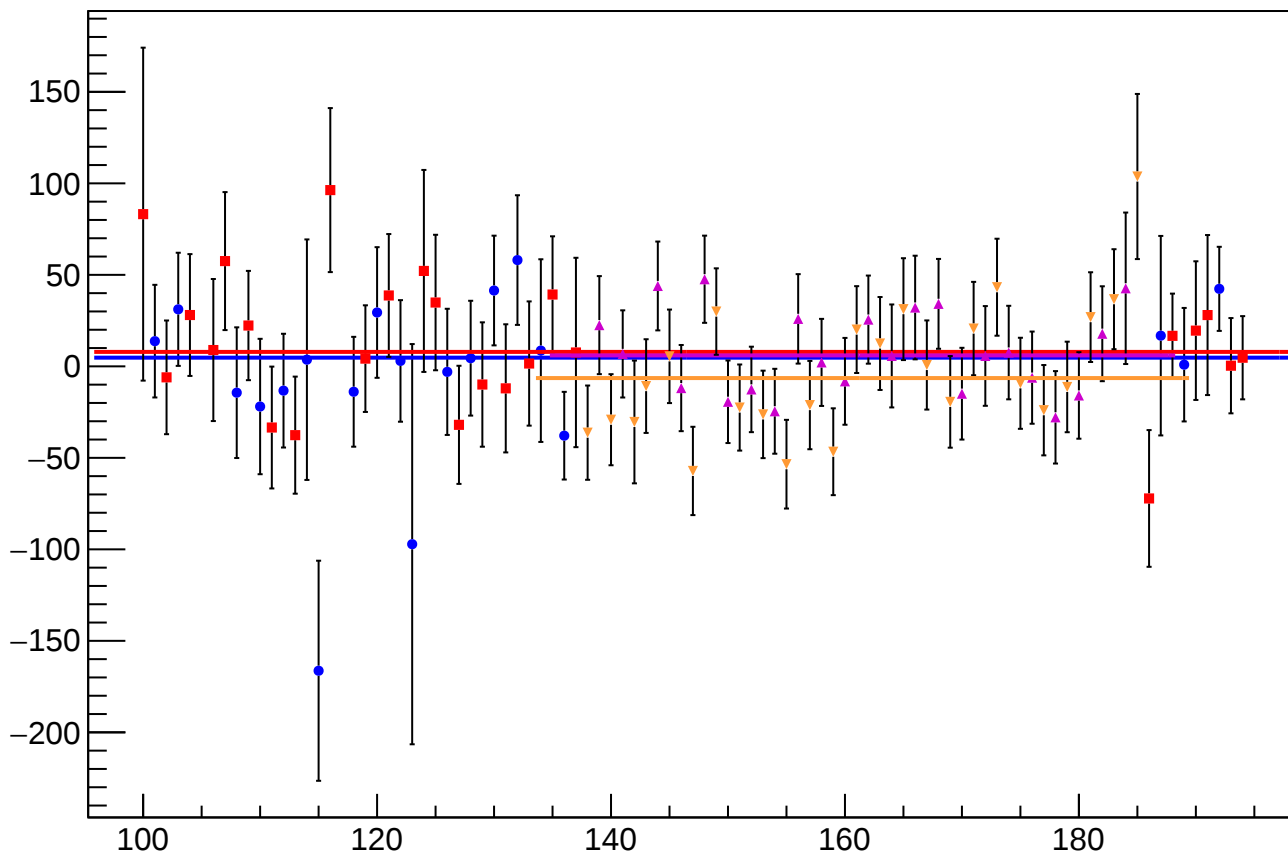
Left In: 15.725 $\pm$ 0.003 χ^2 /NDF: 145830.9/22

+ sign 15.968 $\pm$ 0.002 χ^2 /NDF: 240040.6/44

All: 15.973 $\pm$ 0.002 χ^2 /NDF: 469172.8/92

- sign 15.978 $\pm$ 0.002 χ^2 /NDF: 229122.6/47

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 4.749 ± 7.619 χ^2/NDF : 21.5/19

Left Out: -6.404 ± 5.091 χ^2/NDF : 37.4/24

Right Out: 7.896 ± 6.720 χ^2/NDF : 21.0/24

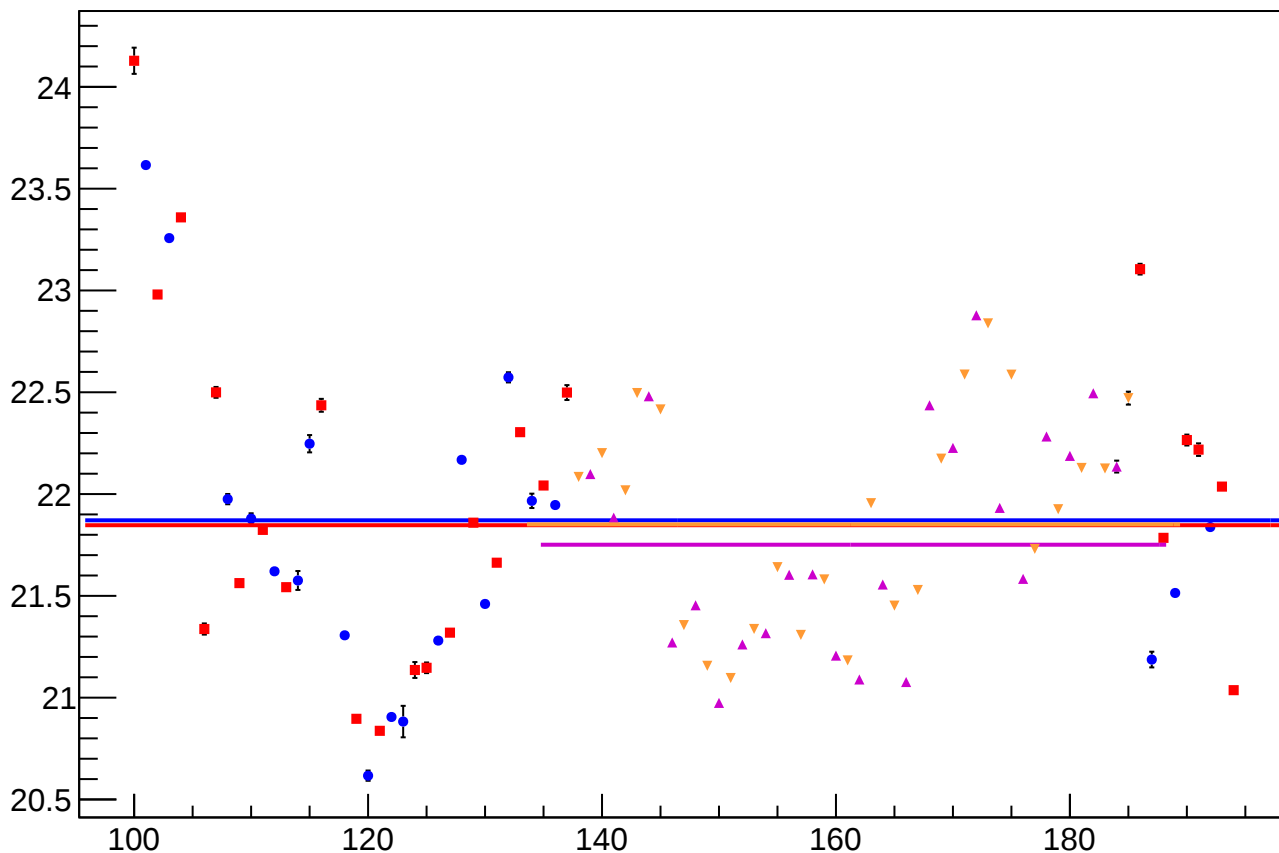
Left In: 5.978 ± 5.222 χ^2/NDF : 18.5/22

+ sign -2.961 ± 4.233 χ^2/NDF : 60.4/44

All: 1.996 ± 2.954 χ^2/NDF : 102.6/92

- sign 6.700 ± 4.124 χ^2/NDF : 39.6/47

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.871+/-0.005 χ^2/NDF : 18288.9/19

Left Out: 21.851+/-0.004 χ^2/NDF : 19631.8/24

Right Out: 21.847+/-0.005 χ^2/NDF : 21346.8/24

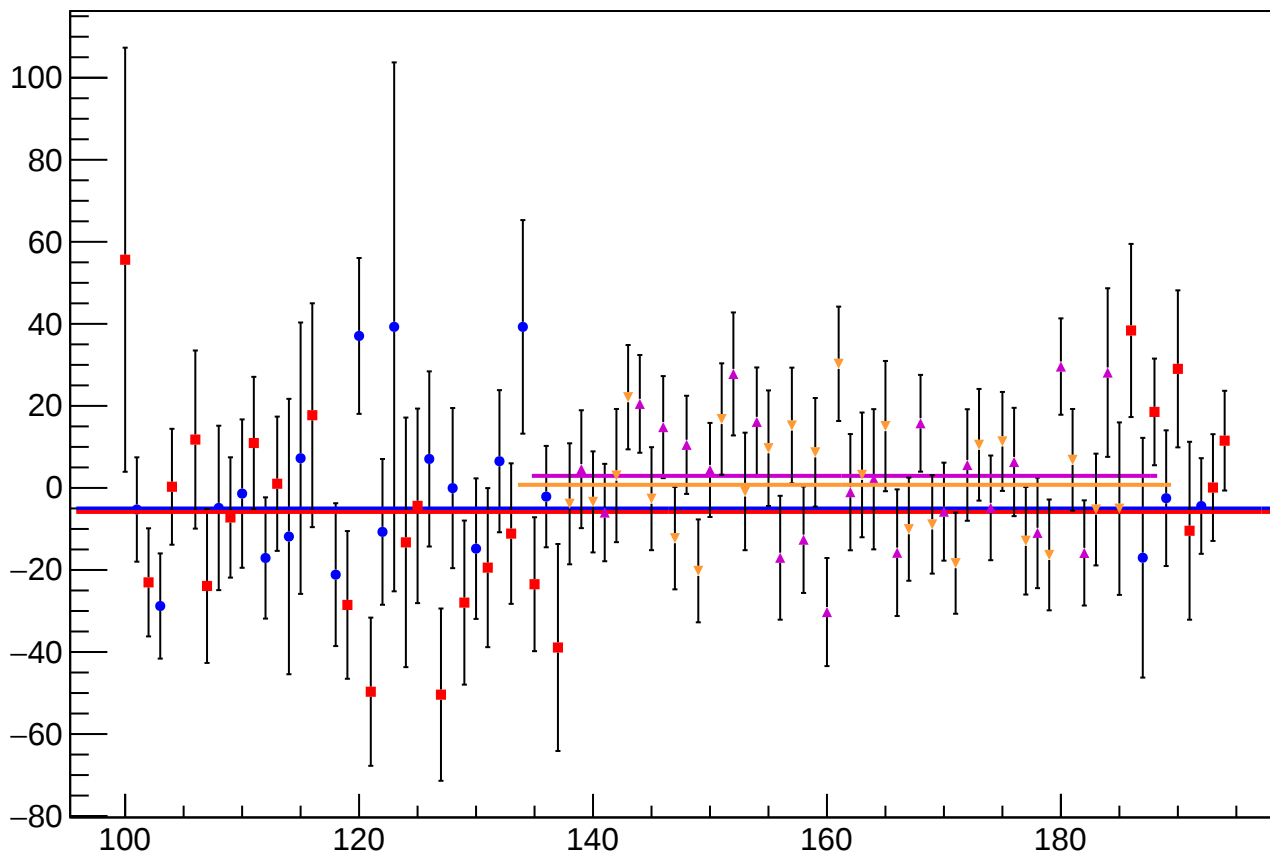
Left In: 21.751+/-0.004 χ^2/NDF : 20516.3/22

+ sign 21.857+/-0.003 χ^2/NDF : 37930.2/44

All: 21.821+/-0.002 χ^2/NDF : 80327.6/92

- sign 21.787+/-0.003 χ^2/NDF : 42116.6/47

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.017 ± 3.910 χ^2/NDF : 15.0/19

Left Out: 0.759 ± 2.698 χ^2/NDF : 23.8/24

Right Out: -5.849 ± 3.524 χ^2/NDF : 37.1/24

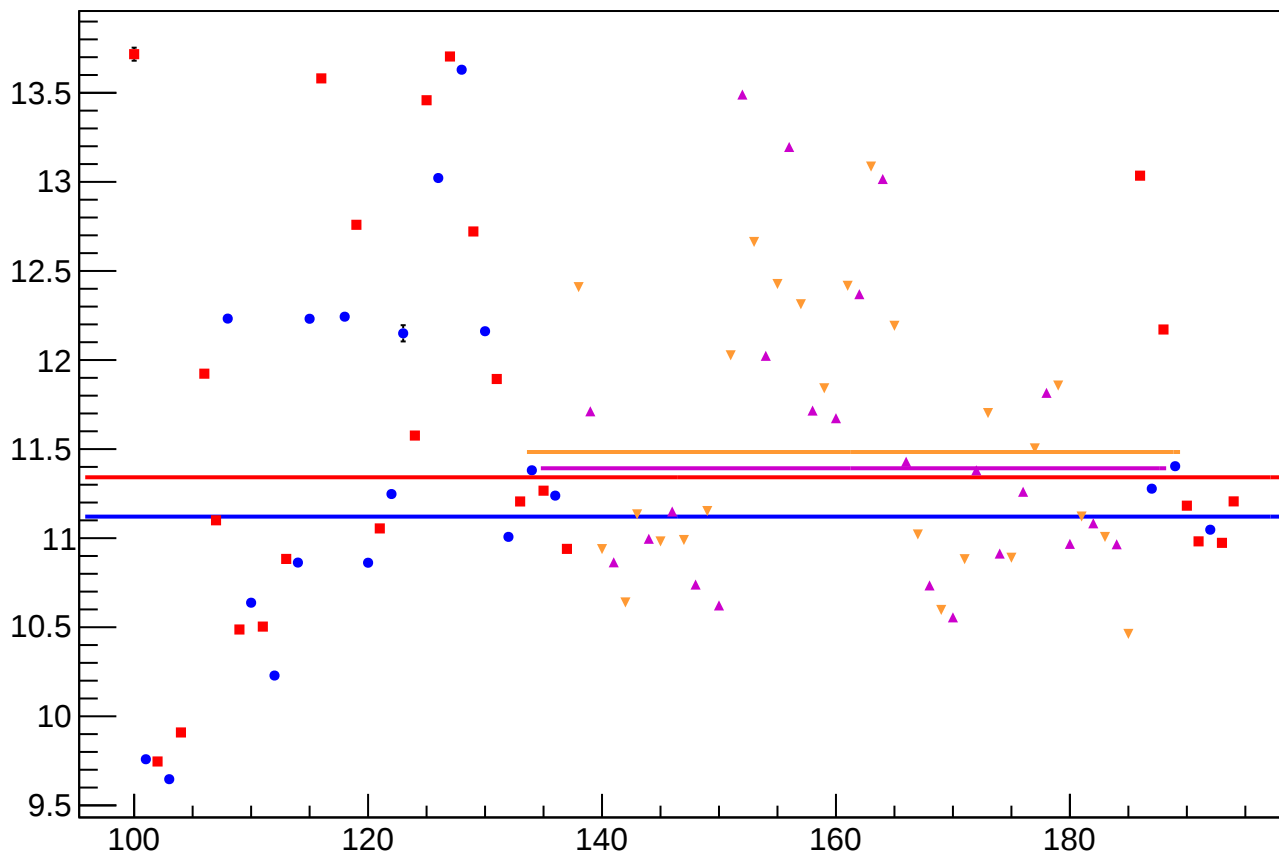
Left In: 2.944 ± 2.757 χ^2/NDF : 30.9/22

+ sign -1.105 ± 2.221 χ^2/NDF : 40.2/44

All: -0.742 ± 1.553 χ^2/NDF : 112.2/92

- sign -0.395 ± 2.172 χ^2/NDF : 71.9/47

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.121 $\pm$ 0.003 χ^2 /NDF: 133334.6/19

Left Out: 11.484 $\pm$ 0.002 χ^2 /NDF:129805.4/24

Right Out: 11.342 $\pm$ 0.002 χ^2 /NDF: 172708.2/24

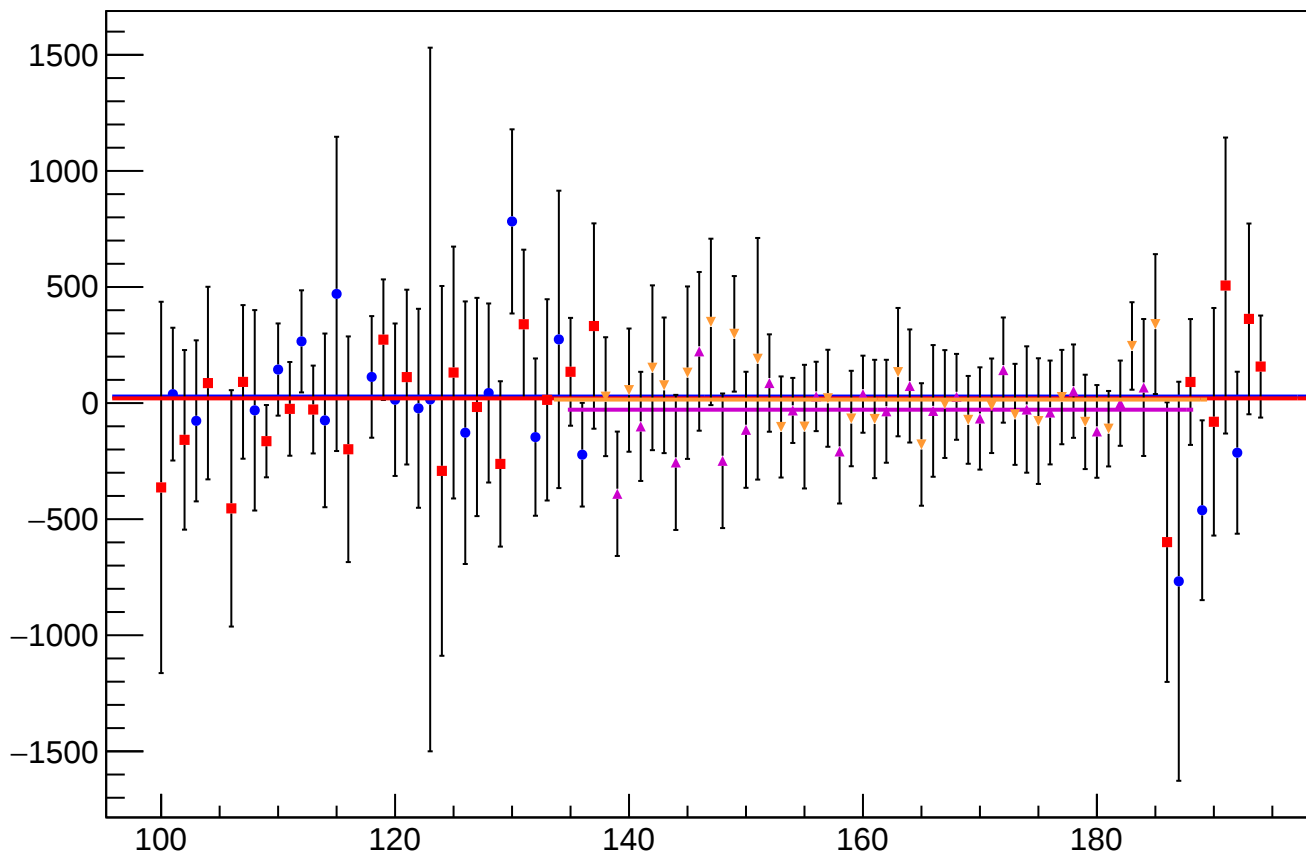
Left In: 11.392 $\pm$ 0.002 χ^2 /NDF:150493.3/22

+ sign 11.367 $\pm$ 0.002 χ^2 /NDF: 274799.4/44

All: 11.370 $\pm$ 0.001 χ^2 /NDF: 598265.7/92

- sign 11.373 $\pm$ 0.002 χ^2 /NDF: 323457.6/47

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 28.154 $\pm$ 75.666 χ^2 /NDF: 10.5/19

Left Out: 15.130 $\pm$ 47.705 χ^2 /NDF: 8.0/24

Right Out: 20.256 $\pm$ 62.922 χ^2 /NDF: 9.5/24

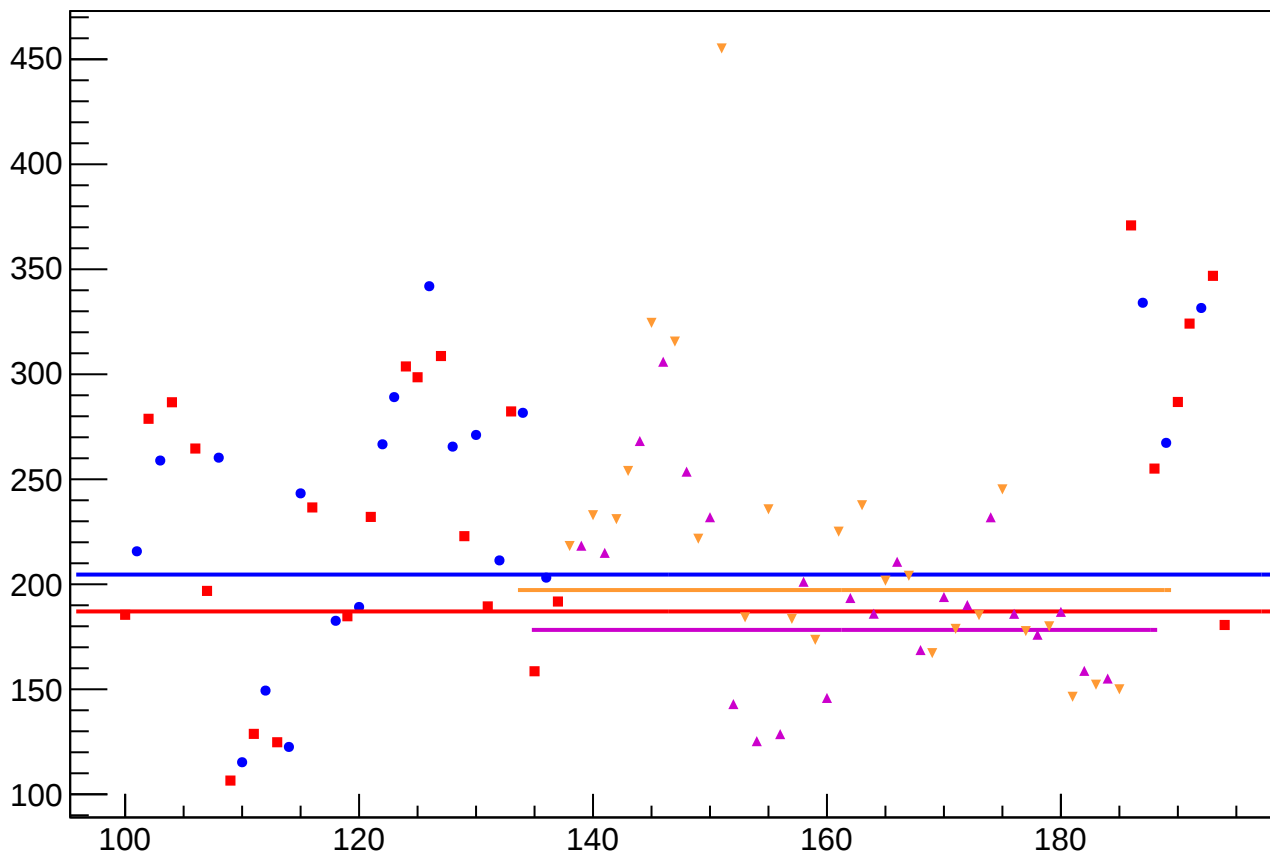
Left In: -28.500 $\pm$ 44.797 χ^2 /NDF: 6.4/22

+ sign 18.834 $\pm$ 40.354 χ^2 /NDF: 18.6/44

All: 1.817 $\pm$ 27.067 χ^2 /NDF: 35.2/92

- sign -12.100 $\pm$ 36.493 χ^2 /NDF: 16.3/47

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 204.627 $\pm$ 0.054 χ^2 /NDF: 1402630.5/19

Left Out: 197.249 $\pm$ 0.034 χ^2 /NDF:1786808.1/24

Right Out: 187.067 $\pm$ 0.044 χ^2 /NDF: 2444700.4/24

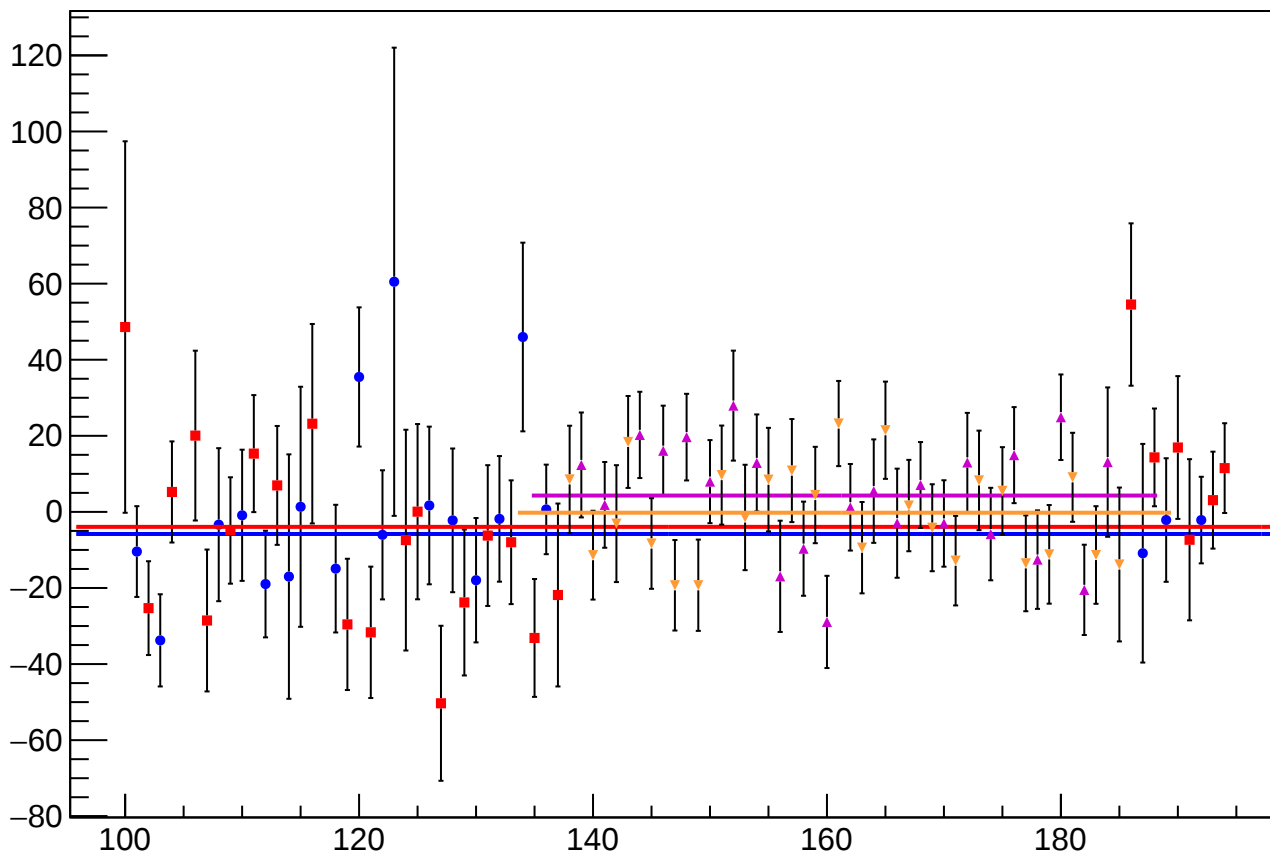
Left In: 178.277 $\pm$ 0.032 χ^2 /NDF:1628916.6/22

+ sign 199.348 $\pm$ 0.029 χ^2 /NDF: 3203044.4/44

All: 189.383 $\pm$ 0.019 χ^2 /NDF: 7524249.4/92

- sign 181.234 $\pm$ 0.026 χ^2 /NDF: 4099520.2/47

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -5.803 ± 3.750 χ^2/NDF : 18.8/19

Left Out: -0.211 ± 2.523 χ^2/NDF : 24.5/24

Right Out: -3.931 ± 3.398 χ^2/NDF : 38.7/24

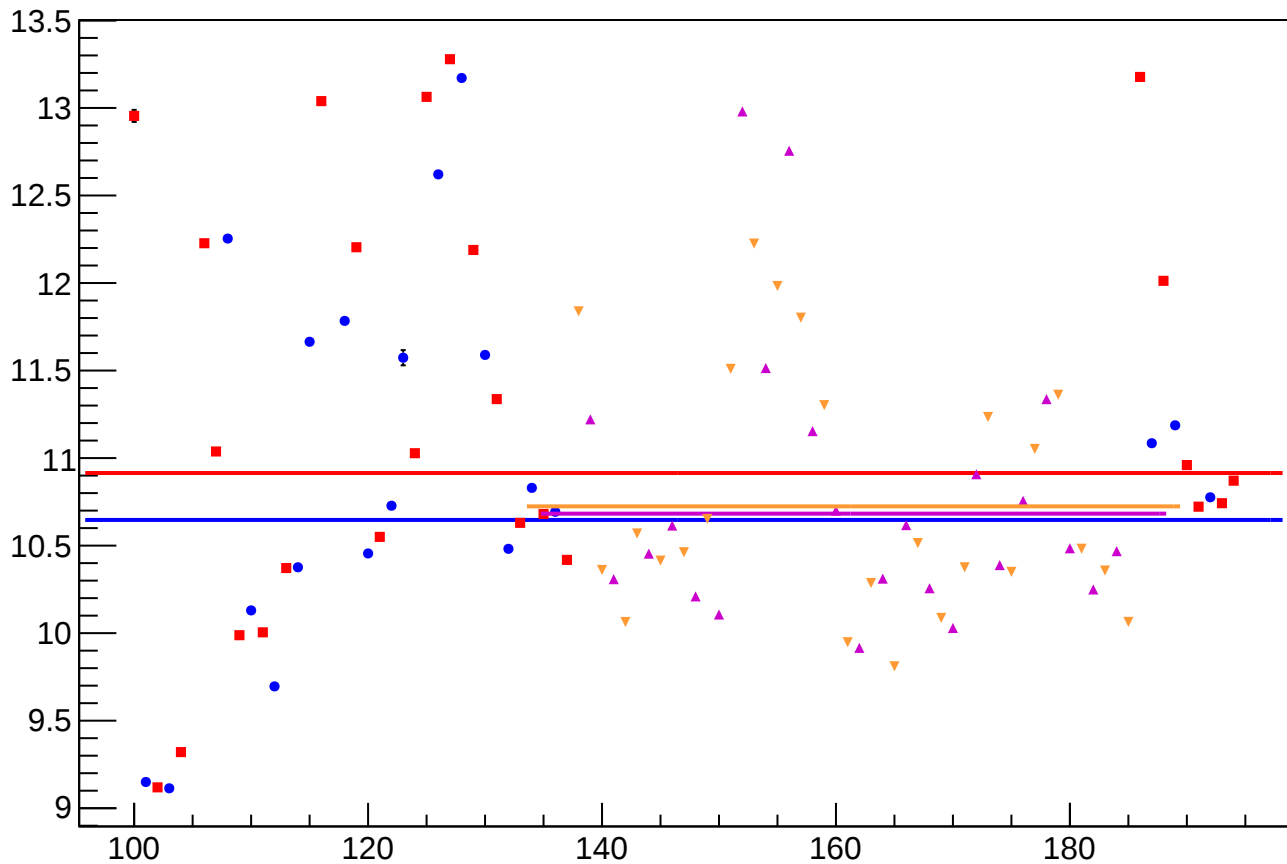
Left In: 4.298 ± 2.589 χ^2/NDF : 31.6/22

+ sign -1.954 ± 2.094 χ^2/NDF : 44.9/44

All: -0.313 ± 1.468 χ^2/NDF : 120.1/92

- sign 1.275 ± 2.059 χ^2/NDF : 74.0/47

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.647 ± 0.003 χ^2/NDF : 163193.3/19

Left Out: 10.724 ± 0.002 χ^2/NDF : 132558.9/24

Right Out: 10.915 ± 0.002 χ^2/NDF : 218857.6/24

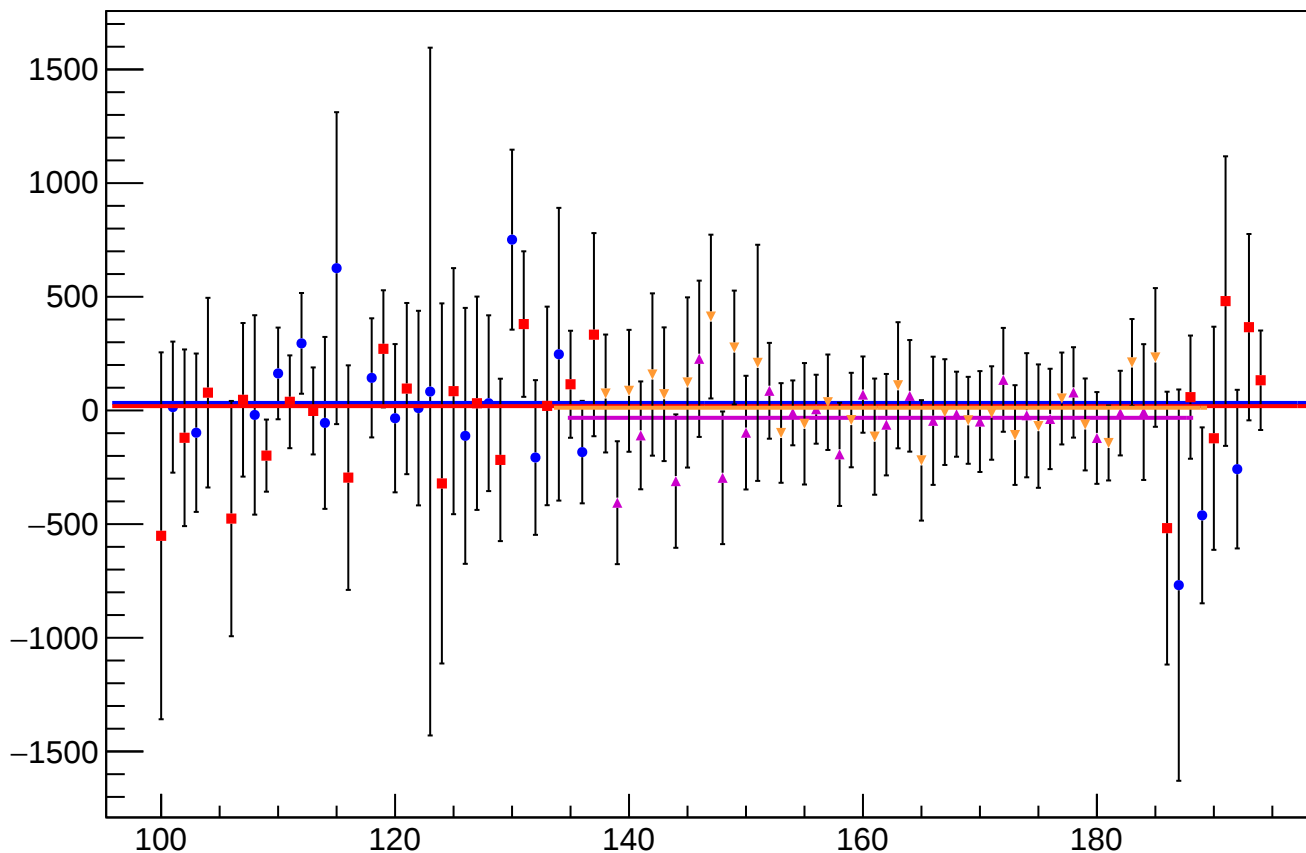
Left In: 10.683 ± 0.002 χ^2/NDF : 147835.6/22

+ sign 10.700 ± 0.001 χ^2/NDF : 296341.0/44

All: 10.734 ± 0.001 χ^2/NDF : 670004.9/92

- sign 10.768 ± 0.001 χ^2/NDF : 372596.2/47

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 33.064 $\pm$ 76.114 χ^2 /NDF: 11.1/19

Left Out: 11.891 $\pm$ 48.022 χ^2 /NDF: 7.6/24

Right Out: 18.974 $\pm$ 63.376 χ^2 /NDF: 9.9/24

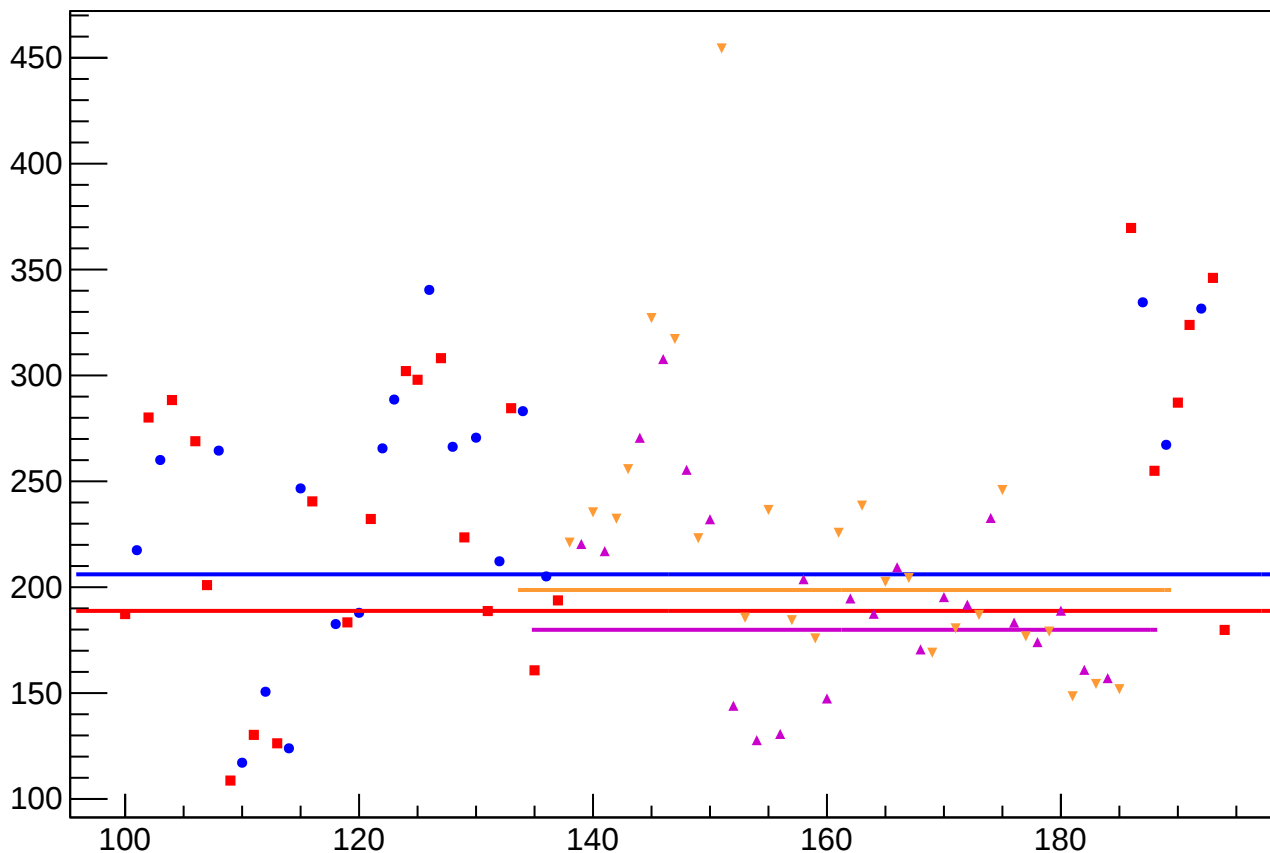
Left In: -32.413 $\pm$ 45.155 χ^2 /NDF: 6.9/22

+ sign 17.919 $\pm$ 40.614 χ^2 /NDF: 18.8/44

All: -0.230 $\pm$ 27.260 χ^2 /NDF: 36.3/92

- sign -15.110 $\pm$ 36.775 χ^2 /NDF: 17.2/47

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 206.079 $\pm$ 0.054 χ^2 /NDF: 1367416.1/19

Left Out: 198.695 $\pm$ 0.034 χ^2 /NDF:1759311.9/24

Right Out: 188.814 $\pm$ 0.045 χ^2 /NDF: 2376591.8/24

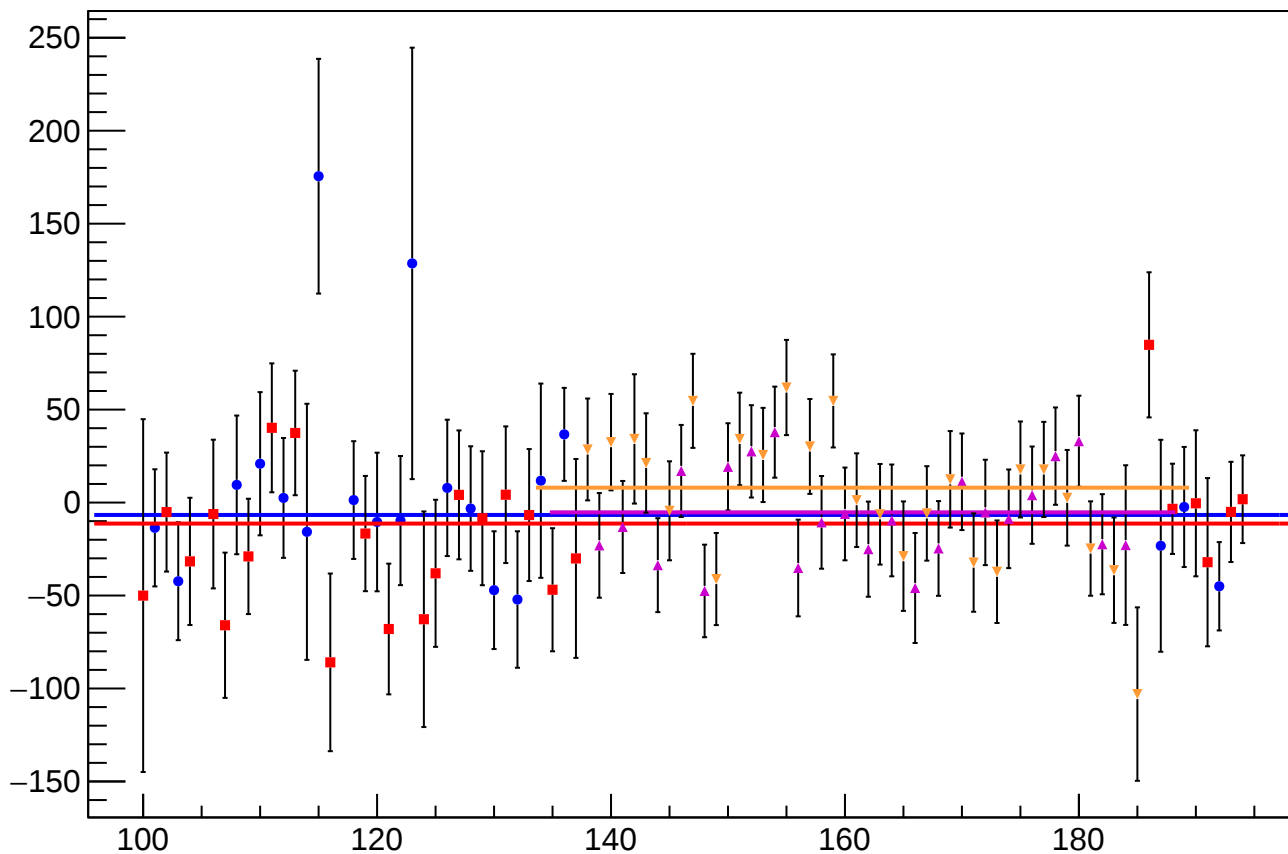
Left In: 179.886 $\pm$ 0.032 χ^2 /NDF:1580636.4/22

+ sign 200.797 $\pm$ 0.029 χ^2 /NDF: 3140192.6/44

All: 190.959 $\pm$ 0.019 χ^2 /NDF: 7337336.3/92

- sign 182.892 $\pm$ 0.026 χ^2 /NDF: 3983552.0/47

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -6.659 ± 7.951 χ^2/NDF : 21.1/19

Left Out: 8.004 ± 5.334 χ^2/NDF : 37.4/24

Right Out: -11.303 ± 7.023 χ^2/NDF : 22.0/24

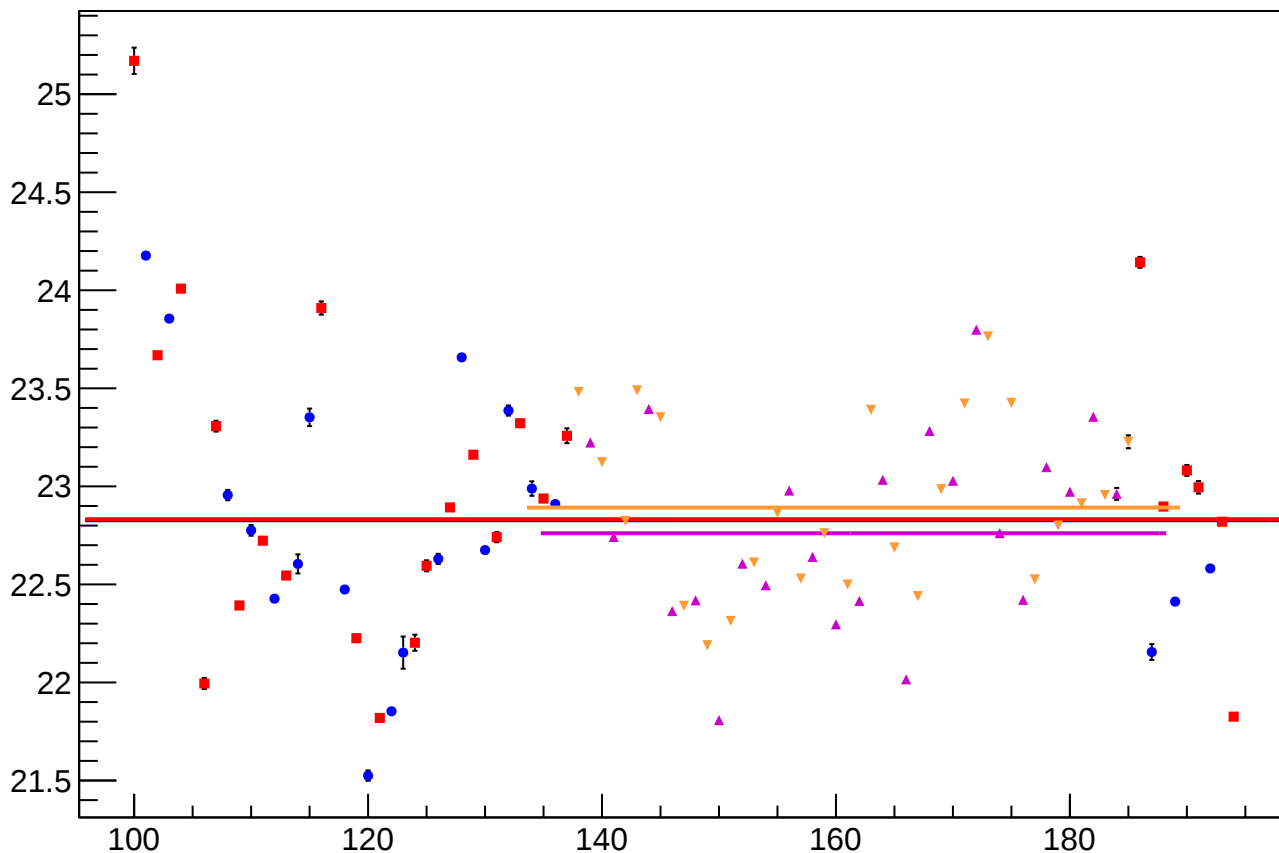
Left In: -5.261 ± 5.465 χ^2/NDF : 20.8/22

+ sign 3.453 ± 4.430 χ^2/NDF : 60.8/44

All: -2.190 ± 3.090 χ^2/NDF : 107.2/92

- sign -7.539 ± 4.313 χ^2/NDF : 43.2/47

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.827 $\pm$ 0.006 χ^2 /NDF: 13262.2/19

Left Out: 22.892 $\pm$ 0.004 χ^2 /NDF: 12995.5/24

Right Out: 22.832 $\pm$ 0.005 χ^2 /NDF: 17167.7/24

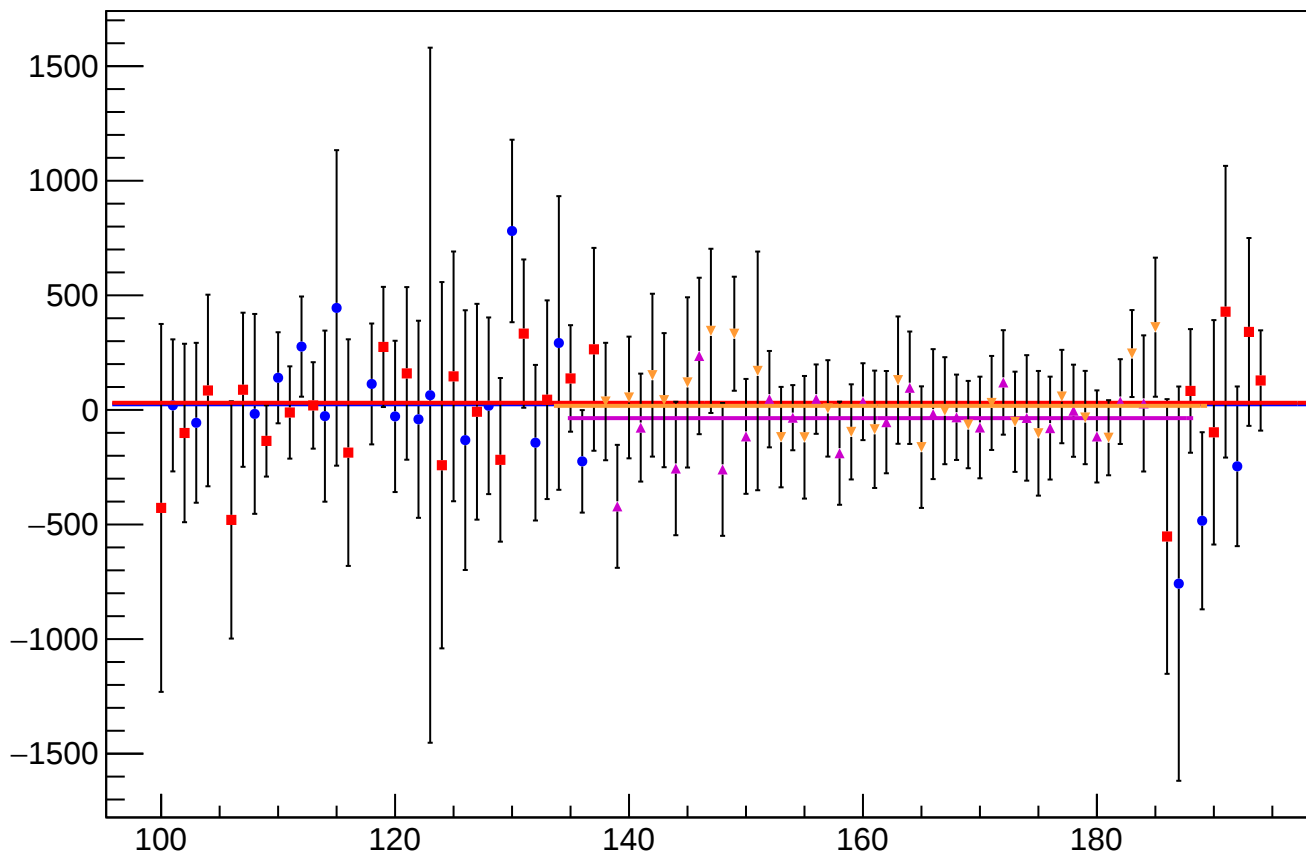
Left In: 22.761 $\pm$ 0.004 χ^2 /NDF: 14550.0/22

+ sign 22.872 $\pm$ 0.003 χ^2 /NDF: 26348.9/44

All: 22.829 $\pm$ 0.002 χ^2 /NDF: 58564.5/92

- sign 22.788 $\pm$ 0.003 χ^2 /NDF: 31846.6/47

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 24.540 $\pm$ 75.807 χ^2 /NDF: 10.8/19

Left Out: 17.777 $\pm$ 47.941 χ^2 /NDF:8.5/24

Right Out: 31.117 $\pm$ 62.999 χ^2 /NDF: 8.0/24

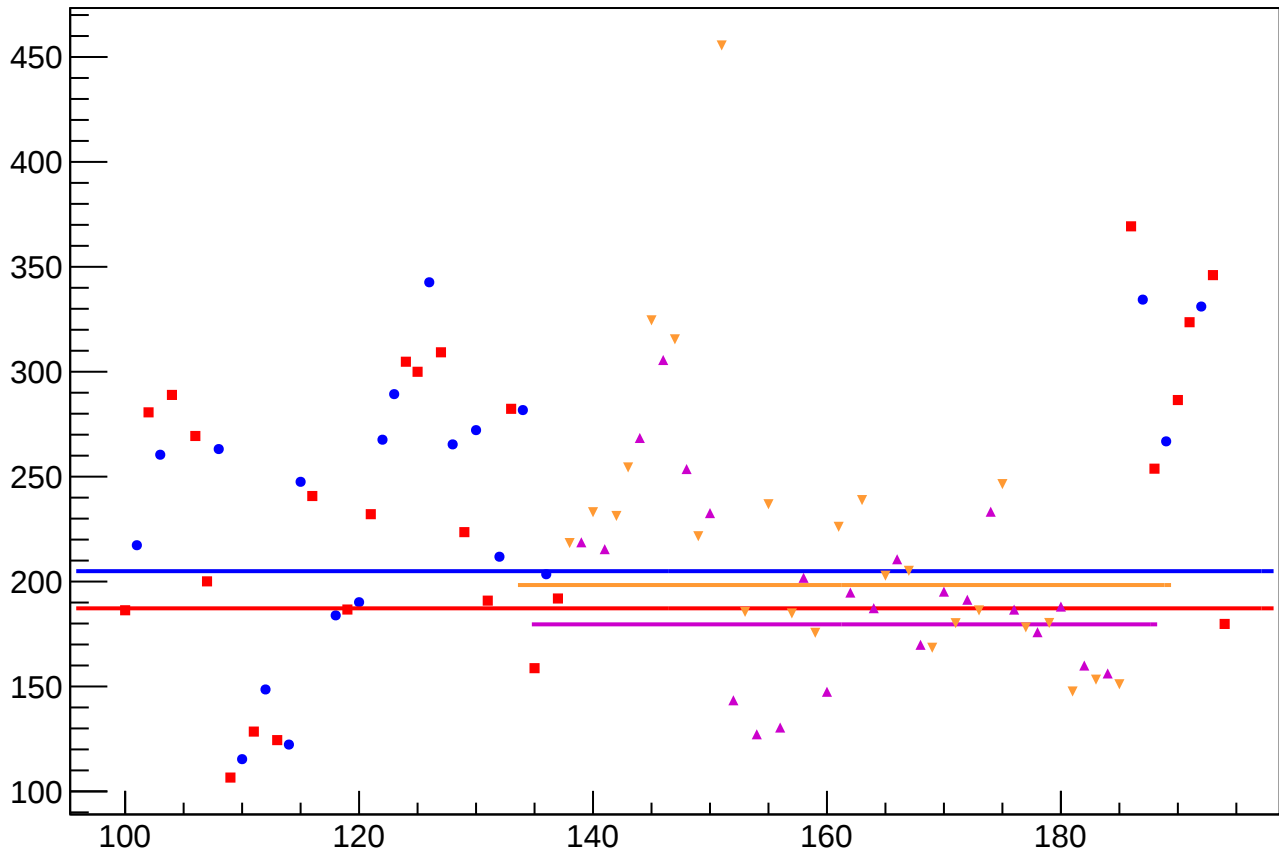
Left In: -35.879 $\pm$ 45.087 χ^2 /NDF:6.3/22

+ sign 19.709 $\pm$ 40.519 χ^2 /NDF: 19.3/44

All: 1.623 $\pm$ 27.187 χ^2 /NDF: 34.8/92

- sign -13.186 $\pm$ 36.665 χ^2 /NDF: 15.1/47

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 204.957 $\pm$ 0.054 χ^2 /NDF: 1413231.2/19

Left Out: 198.344 $\pm$ 0.034 χ^2 /NDF: 1757450.6/24

Right Out: 187.238 $\pm$ 0.045 χ^2 /NDF: 2461060.5/24

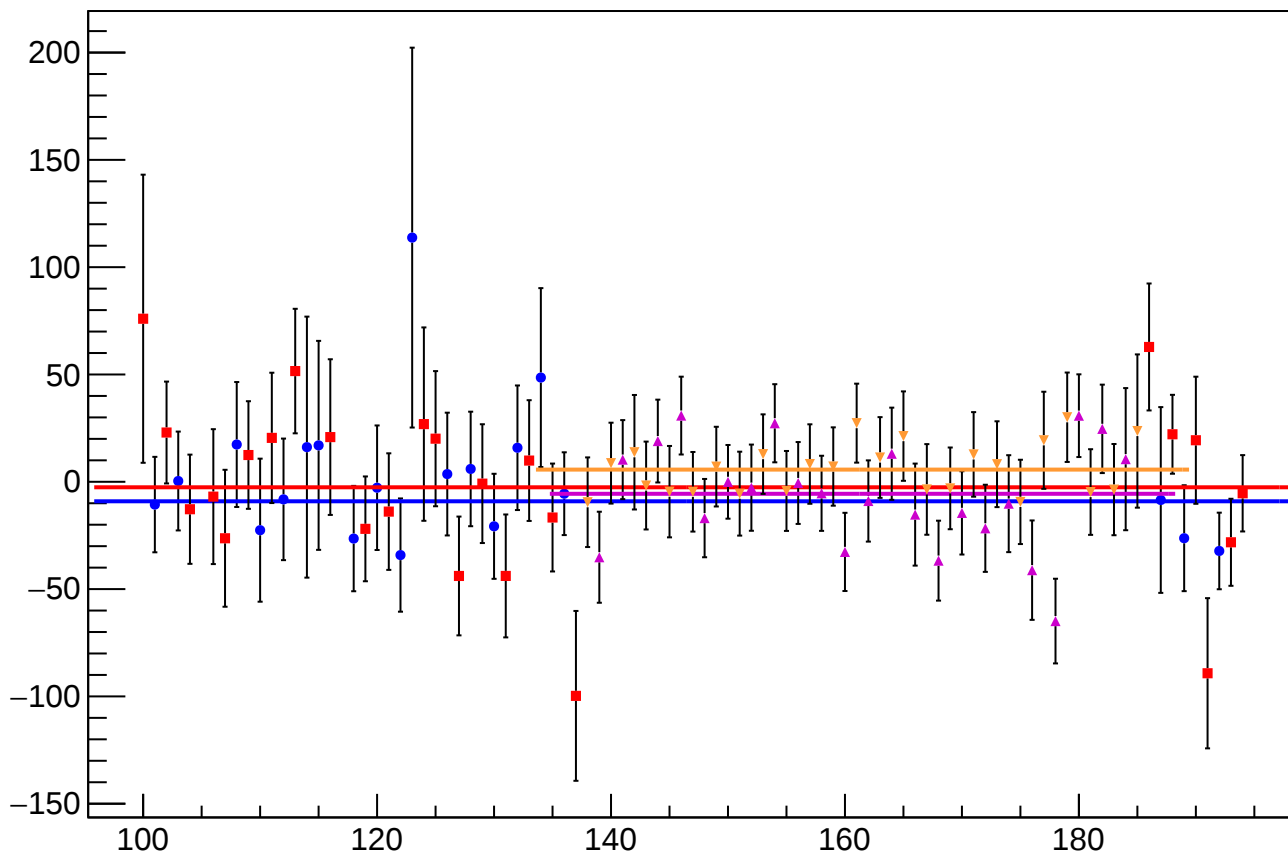
Left In: 179.605 $\pm$ 0.032 χ^2 /NDF: 1575744.0/22

+ sign 200.233 $\pm$ 0.029 χ^2 /NDF: 3181553.7/44

All: 190.313 $\pm$ 0.019 χ^2 /NDF: 7455807.8/92

- sign 182.191 $\pm$ 0.026 χ^2 /NDF: 4056222.2/47

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -9.087 ± 6.154 χ^2/NDF : 10.6/19

Left Out: 5.680 ± 4.024 χ^2/NDF : 7.7/24

Right Out: -2.564 ± 5.450 χ^2/NDF : 35.7/24

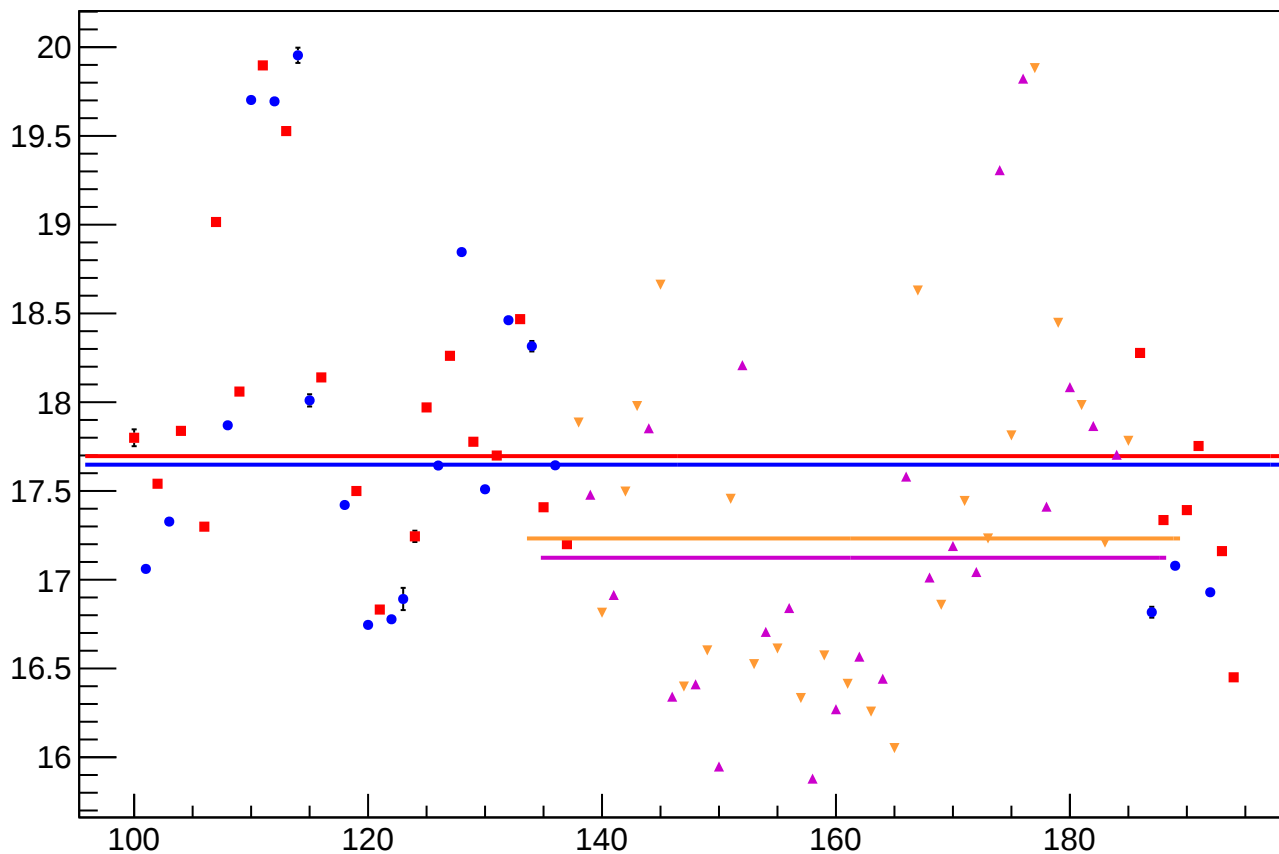
Left In: -5.595 ± 4.121 χ^2/NDF : 36.4/22

+ sign 1.258 ± 3.368 χ^2/NDF : 22.4/44

All: -1.687 ± 2.352 χ^2/NDF : 96.1/92

- sign -4.492 ± 3.287 χ^2/NDF : 72.3/47

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.648 $\pm$ 0.004 χ^2 /NDF: 38586.0/19

Left Out: 17.232 $\pm$ 0.003 χ^2 /NDF: 98701.0/24

Right Out: 17.696 $\pm$ 0.004 χ^2 /NDF: 41490.6/24

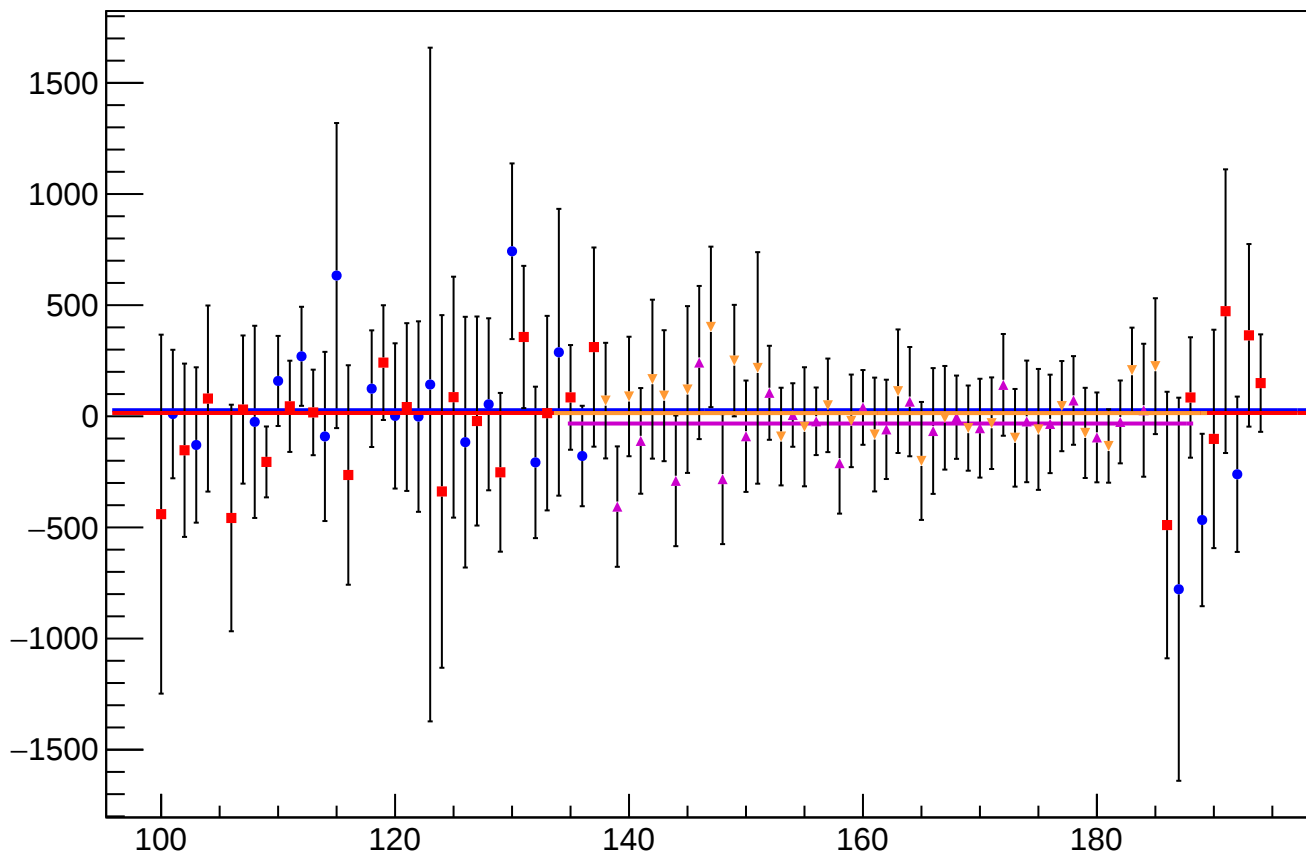
Left In: 17.124 $\pm$ 0.003 χ^2 /NDF: 100747.0/22

+ sign 17.357 $\pm$ 0.002 χ^2 /NDF: 143676.6/44

All: 17.344 $\pm$ 0.002 χ^2 /NDF: 300010.4/92

- sign 17.332 $\pm$ 0.002 χ^2 /NDF: 156277.9/47

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 27.362 $\pm$ 76.298 χ^2 /NDF: 10.8/19

Left Out: 14.362 $\pm$ 48.130 χ^2 /NDF: 6.9/24

Right Out: 14.939 $\pm$ 63.505 χ^2 /NDF: 9.3/24

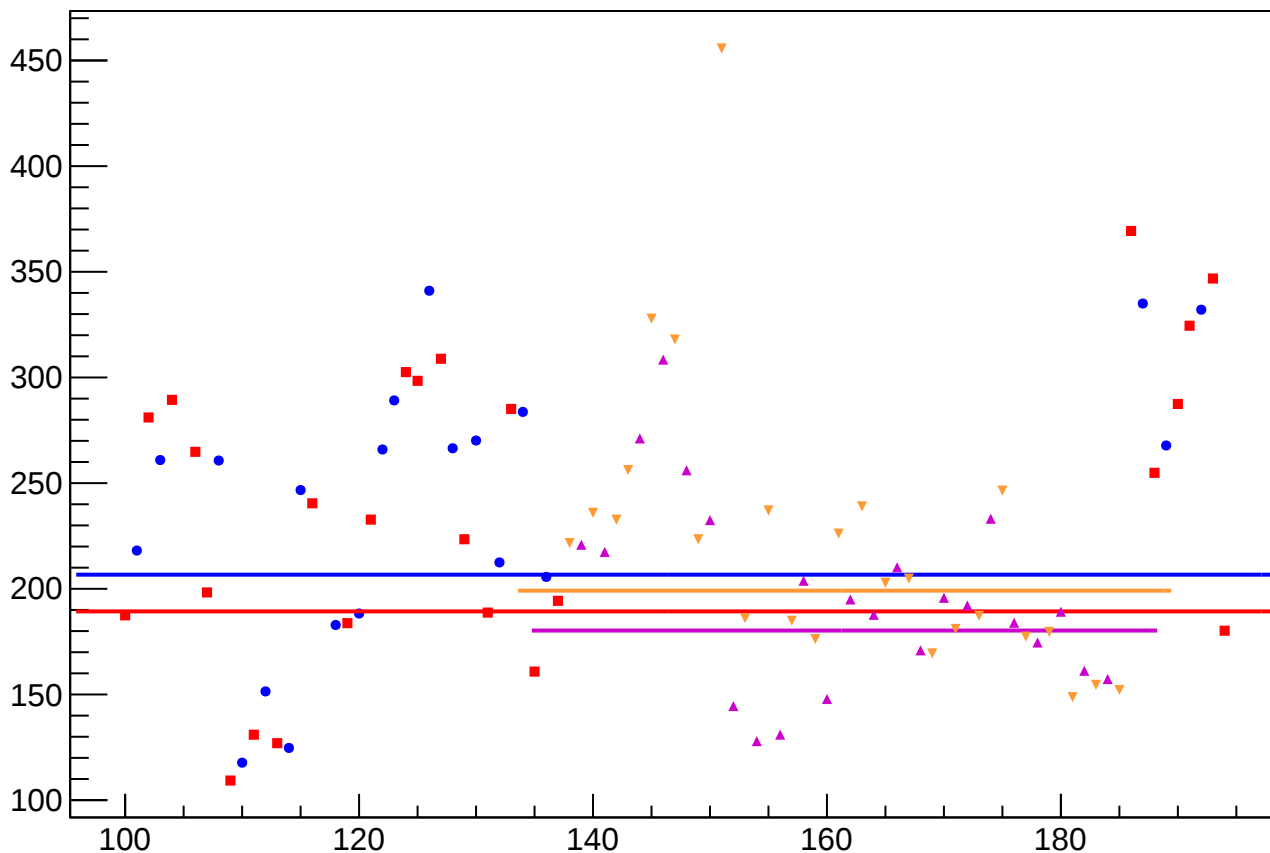
Left In: -32.571 $\pm$ 45.248 χ^2 /NDF: 6.7/22

+ sign 18.063 $\pm$ 40.707 χ^2 /NDF: 17.8/44

All: -0.973 $\pm$ 27.319 χ^2 /NDF: 34.6/92

- sign -16.573 $\pm$ 36.850 χ^2 /NDF: 16.4/47

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 206.691 $\pm$ 0.054 χ^2 /NDF: 1350659.0/19

Left Out: 199.136 $\pm$ 0.034 χ^2 /NDF:1760298.1/24

Right Out: 189.310 $\pm$ 0.045 χ^2 /NDF: 2354100.0/24

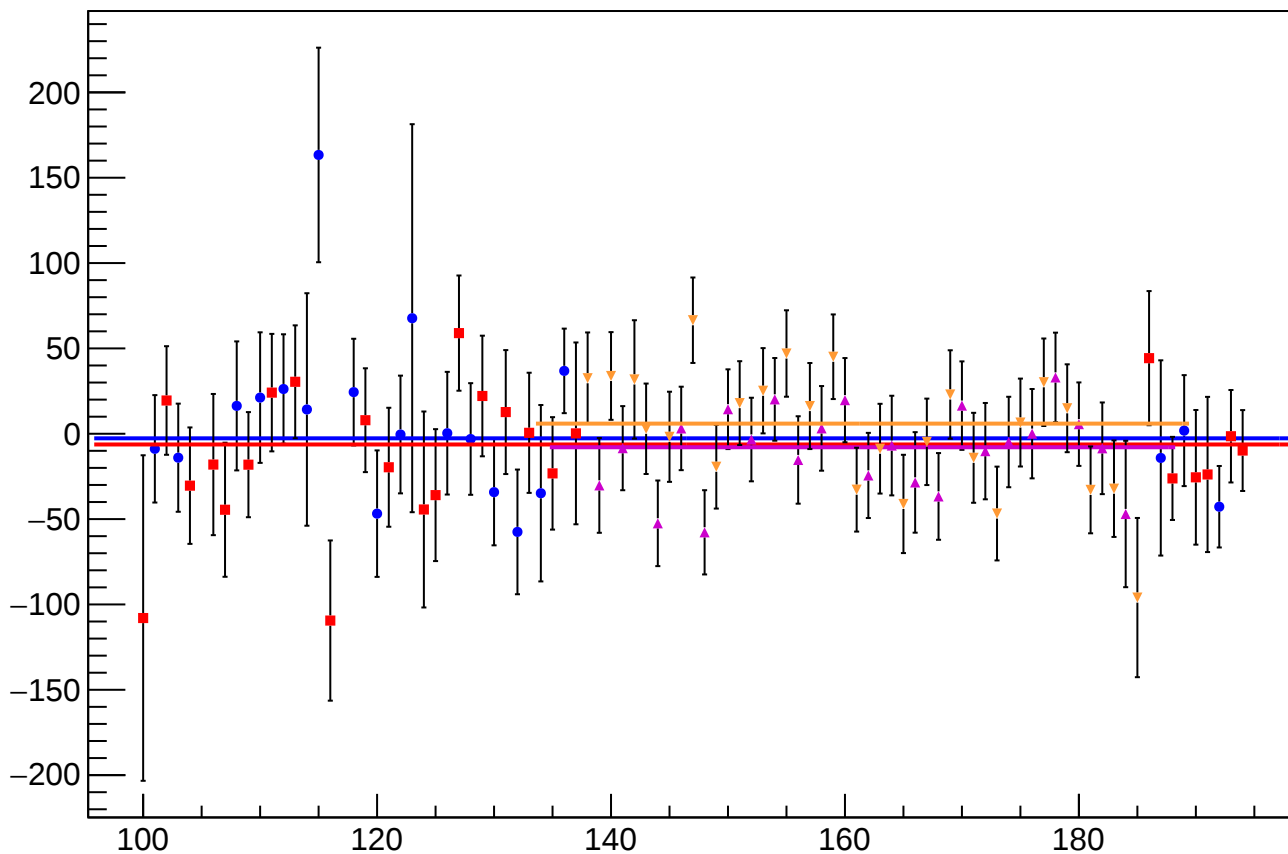
Left In: 180.256 $\pm$ 0.032 χ^2 /NDF:1580553.5/22

+ sign 201.286 $\pm$ 0.029 χ^2 /NDF: 3124986.0/44

All: 191.404 $\pm$ 0.019 χ^2 /NDF: 7301084.7/92

- sign 183.305 $\pm$ 0.026 χ^2 /NDF: 3961616.0/47

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -2.678 ± 7.905 χ^2/NDF : 20.3/19

Left Out: 5.937 ± 5.285 χ^2/NDF : 36.1/24

Right Out: -6.282 ± 6.991 χ^2/NDF : 19.4/24

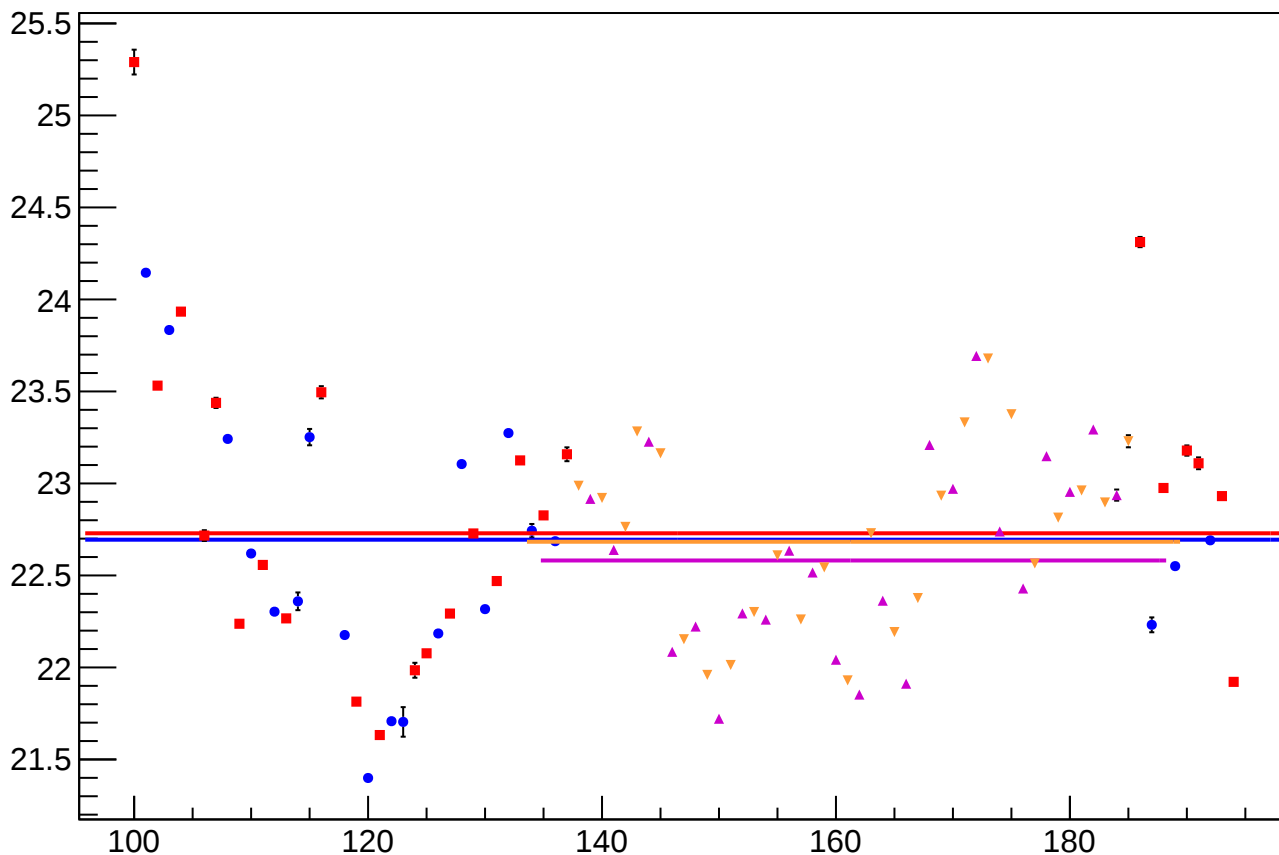
Left In: -7.915 ± 5.422 χ^2/NDF : 18.7/22

+ sign 3.276 ± 4.394 χ^2/NDF : 57.3/44

All: -2.146 ± 3.067 χ^2/NDF : 98.4/92

- sign -7.302 ± 4.284 χ^2/NDF : 38.2/47

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.694 $\pm$ 0.006 χ^2 /NDF: 14240.4/19

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF: 16320.2/24

Right Out: 22.729 $\pm$ 0.005 χ^2 /NDF: 19161.2/24

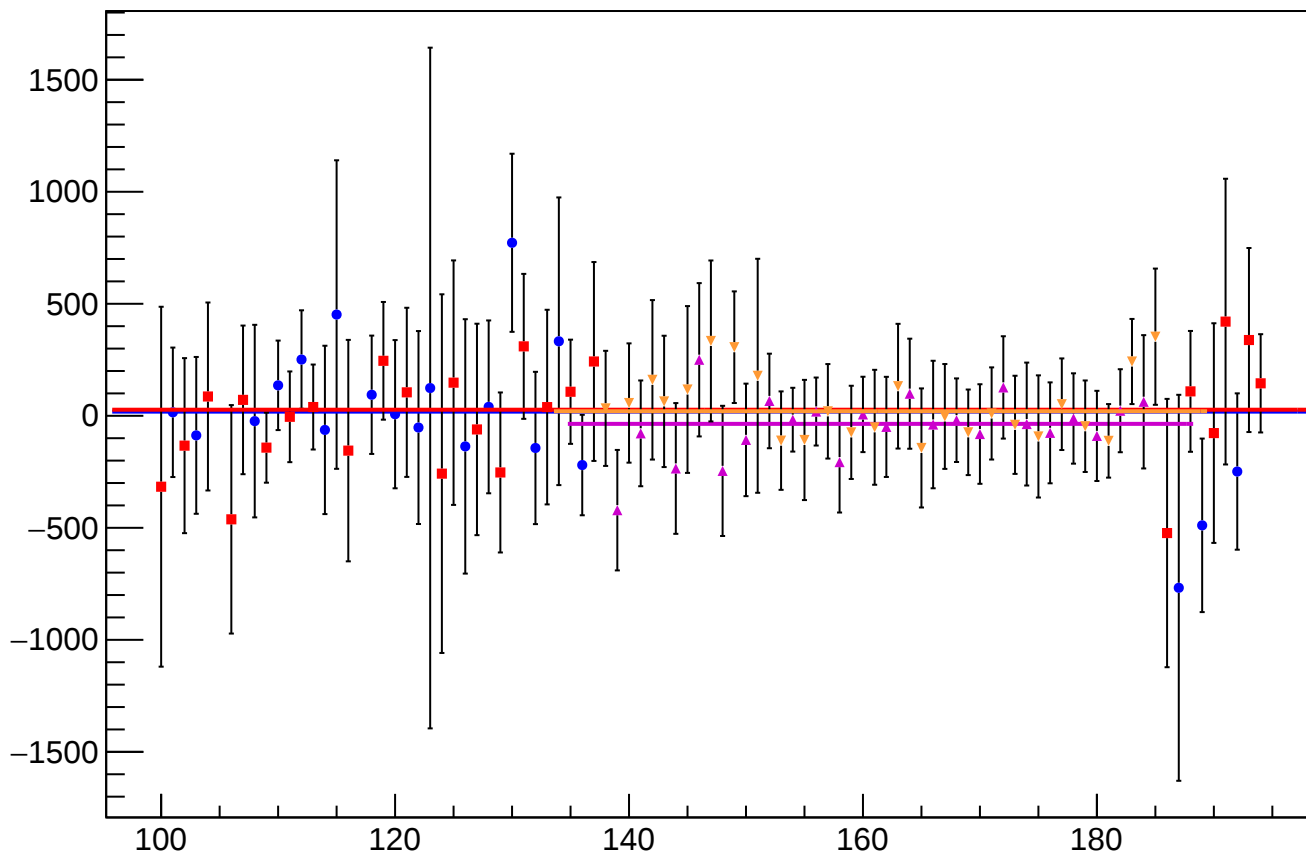
Left In: 22.581 $\pm$ 0.004 χ^2 /NDF: 17904.5/22

+ sign 22.687 $\pm$ 0.003 χ^2 /NDF: 30563.3/44

All: 22.661 $\pm$ 0.002 χ^2 /NDF: 68318.8/92

- sign 22.637 $\pm$ 0.003 χ^2 /NDF: 37623.7/47

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 18.663 $\pm$ 75.994 χ^2 /NDF: 10.5/19

Left Out: 20.306 $\pm$ 48.049 χ^2 /NDF: 7.7/24

Right Out: 27.201 $\pm$ 63.131 χ^2 /NDF: 7.5/24

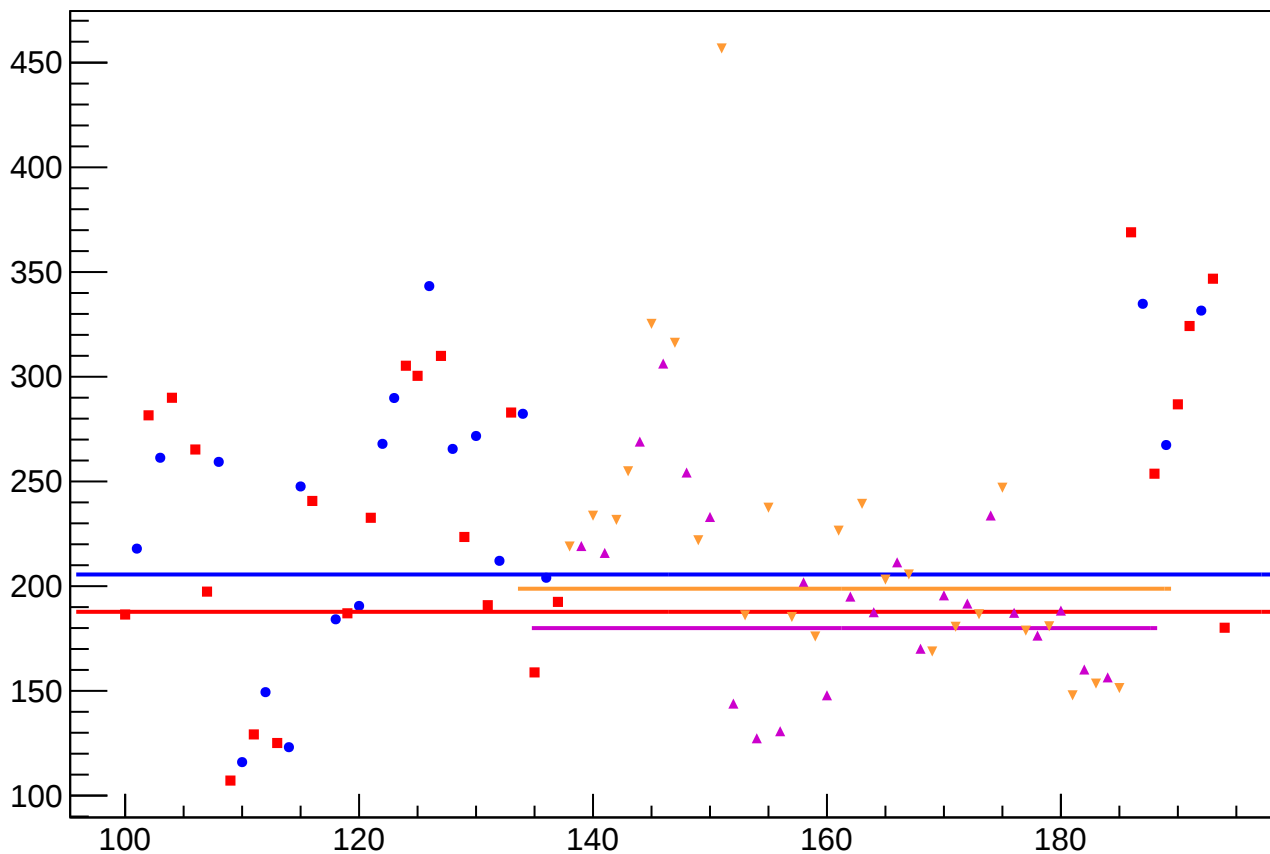
Left In: -35.996 $\pm$ 45.180 χ^2 /NDF: 6.1/22

+ sign 19.837 $\pm$ 40.612 χ^2 /NDF: 18.2/44

All: 0.904 $\pm$ 27.246 χ^2 /NDF: 32.9/92

- sign -14.591 $\pm$ 36.741 χ^2 /NDF: 14.3/47

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 205.580 $\pm$ 0.054 χ^2 /NDF: 1395682.6/19

Left Out: 198.784 $\pm$ 0.034 χ^2 /NDF:1758481.8/24

Right Out: 187.750 $\pm$ 0.045 χ^2 /NDF: 2437400.8/24

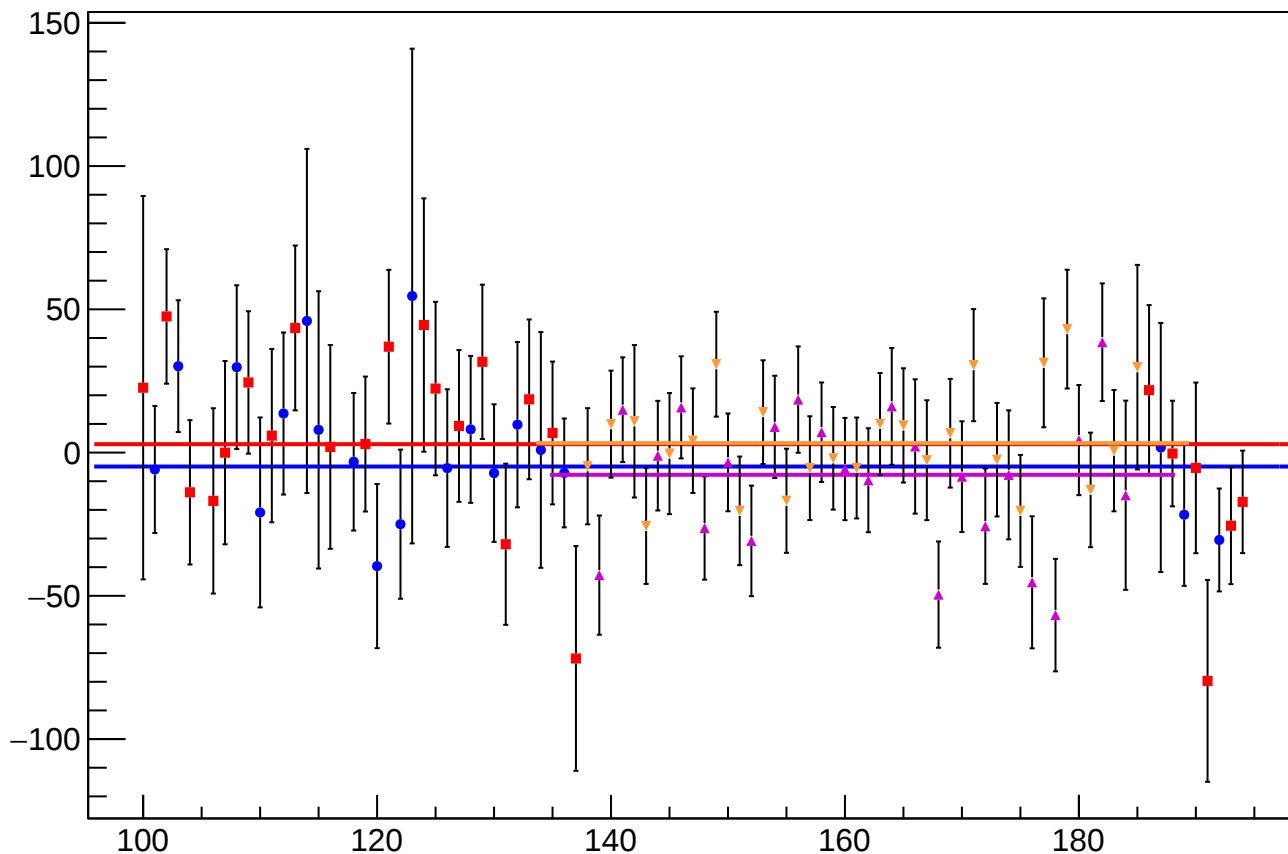
Left In: 179.972 $\pm$ 0.032 χ^2 /NDF:1575888.3/22

+ sign 200.725 $\pm$ 0.029 χ^2 /NDF: 3165590.9/44

All: 190.761 $\pm$ 0.019 χ^2 /NDF: 7417870.4/92

- sign 182.606 $\pm$ 0.026 χ^2 /NDF: 4033361.7/47

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -4.869 ± 6.089 $\chi^2/\text{NDF}: 10.9/19$

Left Out: 3.307 ± 3.954 $\chi^2/\text{NDF}: 18.7/24$

Right Out: 2.929 ± 5.406 $\chi^2/\text{NDF}: 26.1/24$

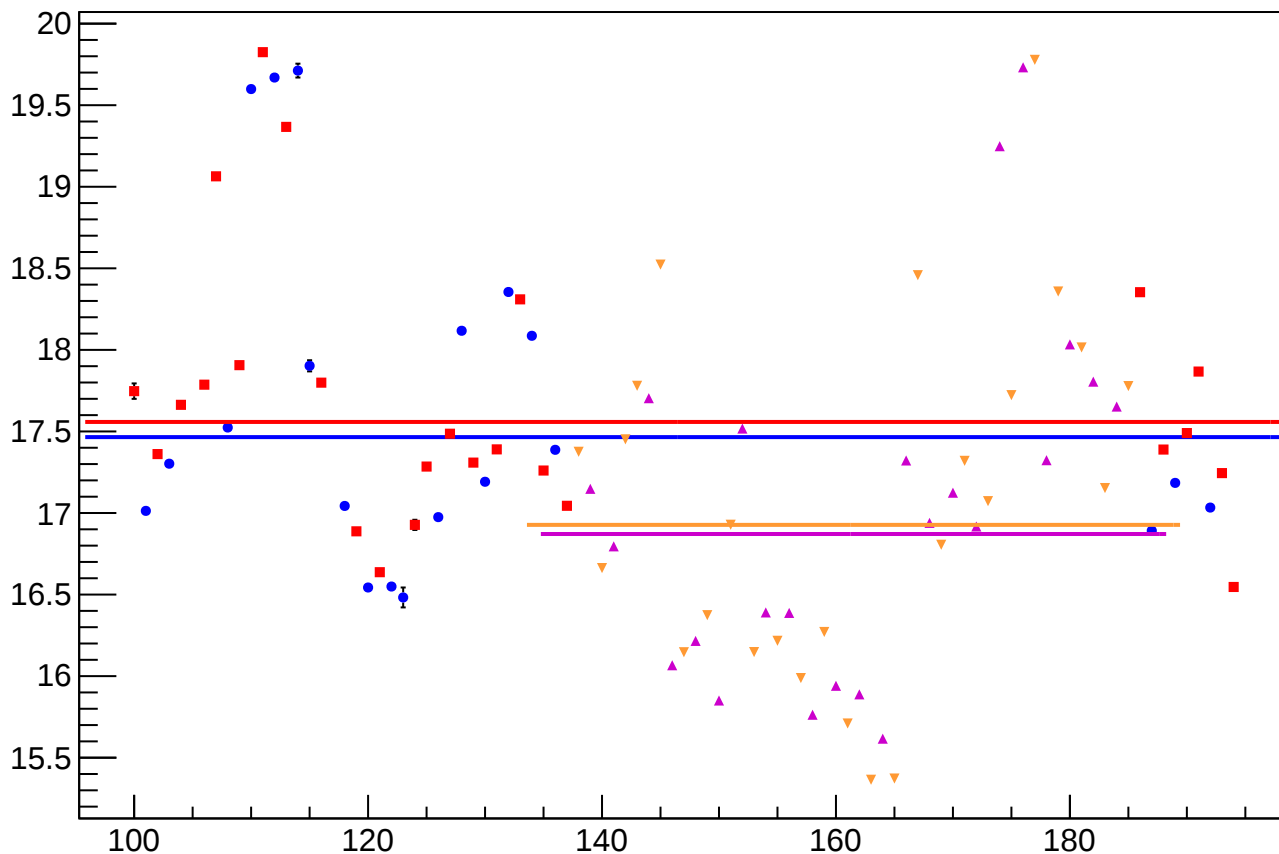
Left In: -7.756 ± 4.061 $\chi^2/\text{NDF}: 34.3/22$

+ sign 0.882 ± 3.316 $\chi^2/\text{NDF}: 30.8/44$

All: -1.560 ± 2.320 $\chi^2/\text{NDF}: 94.8/92$

- sign -3.902 ± 3.247 $\chi^2/\text{NDF}: 62.9/47$

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.465 $\pm$ 0.004 χ^2 /NDF: 36104.3/19

Left Out: 16.927 $\pm$ 0.003 χ^2 /NDF:138533.2/24

Right Out: 17.558 $\pm$ 0.004 χ^2 /NDF: 39874.0/24

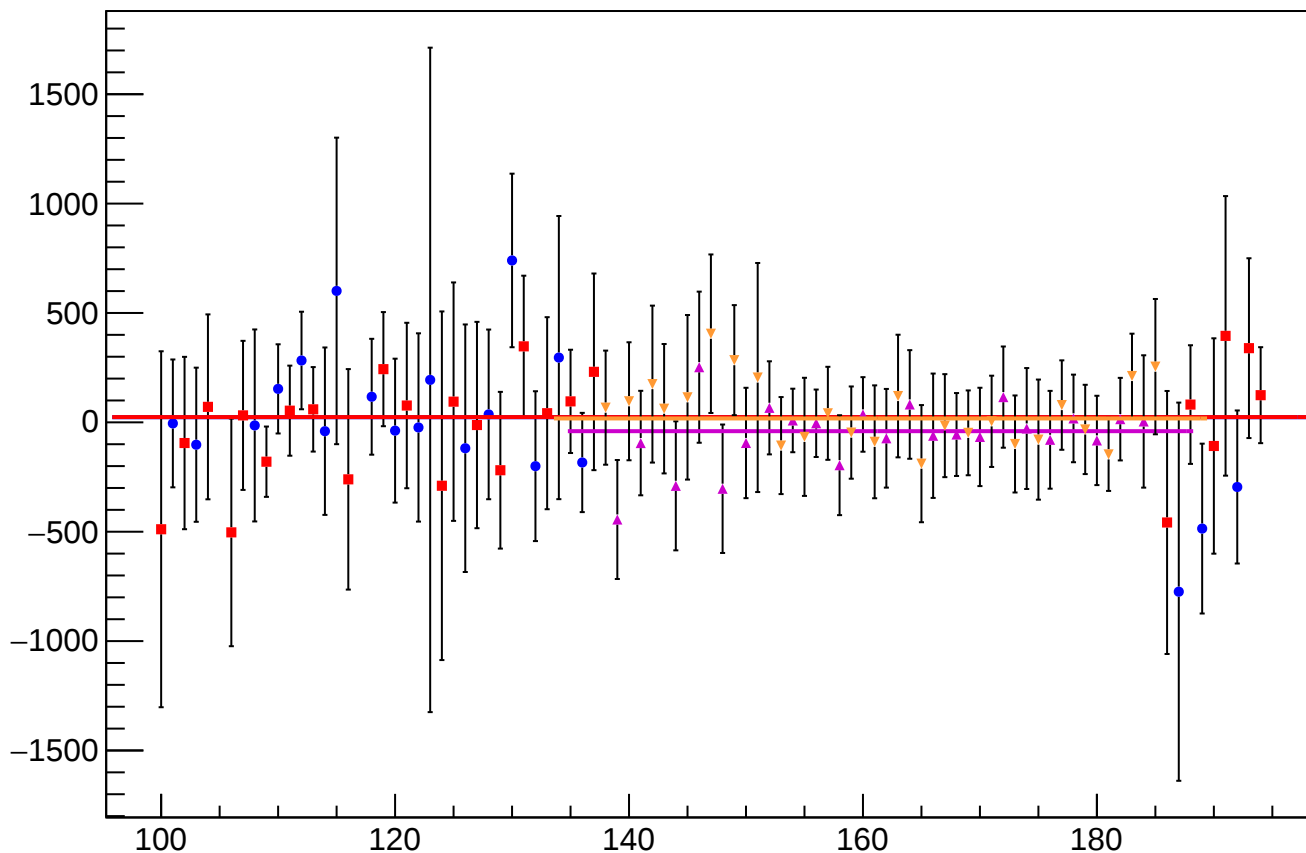
Left In: 16.871 $\pm$ 0.003 χ^2 /NDF:117993.8/22

+ sign 17.087 $\pm$ 0.002 χ^2 /NDF: 185619.3/44

All: 17.103 $\pm$ 0.002 χ^2 /NDF: 364228.3/92

- sign 17.119 $\pm$ 0.002 χ^2 /NDF: 178512.6/47

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 23.376 $\pm$ 76.707 χ^2 /NDF: 11.0/19

Left Out: 17.828 $\pm$ 48.547 χ^2 /NDF: 7.5/24

Right Out: 24.055 $\pm$ 63.870 χ^2 /NDF: 8.1/24

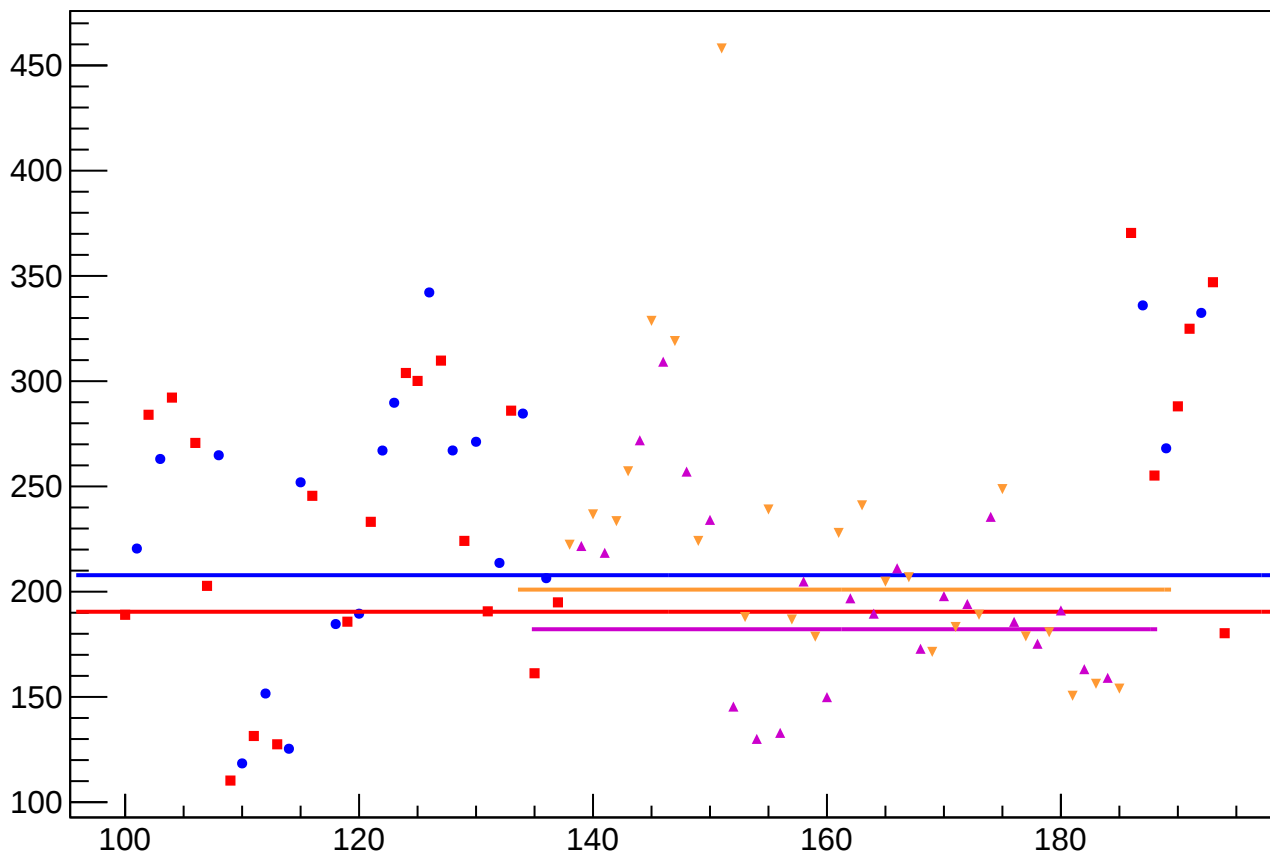
Left In: -40.355 $\pm$ 45.689 χ^2 /NDF: 6.6/22

+ sign 19.415 $\pm$ 41.022 χ^2 /NDF: 18.4/44

All: -1.440 $\pm$ 27.540 χ^2 /NDF: 34.3/92

- sign -18.553 $\pm$ 37.160 χ^2 /NDF: 15.4/47

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 207.834 $\pm$ 0.054 χ^2 /NDF: 1349701.7/19

Left Out: 200.985 $\pm$ 0.034 χ^2 /NDF:1727291.4/24

Right Out: 190.465 $\pm$ 0.045 χ^2 /NDF: 2351083.8/24

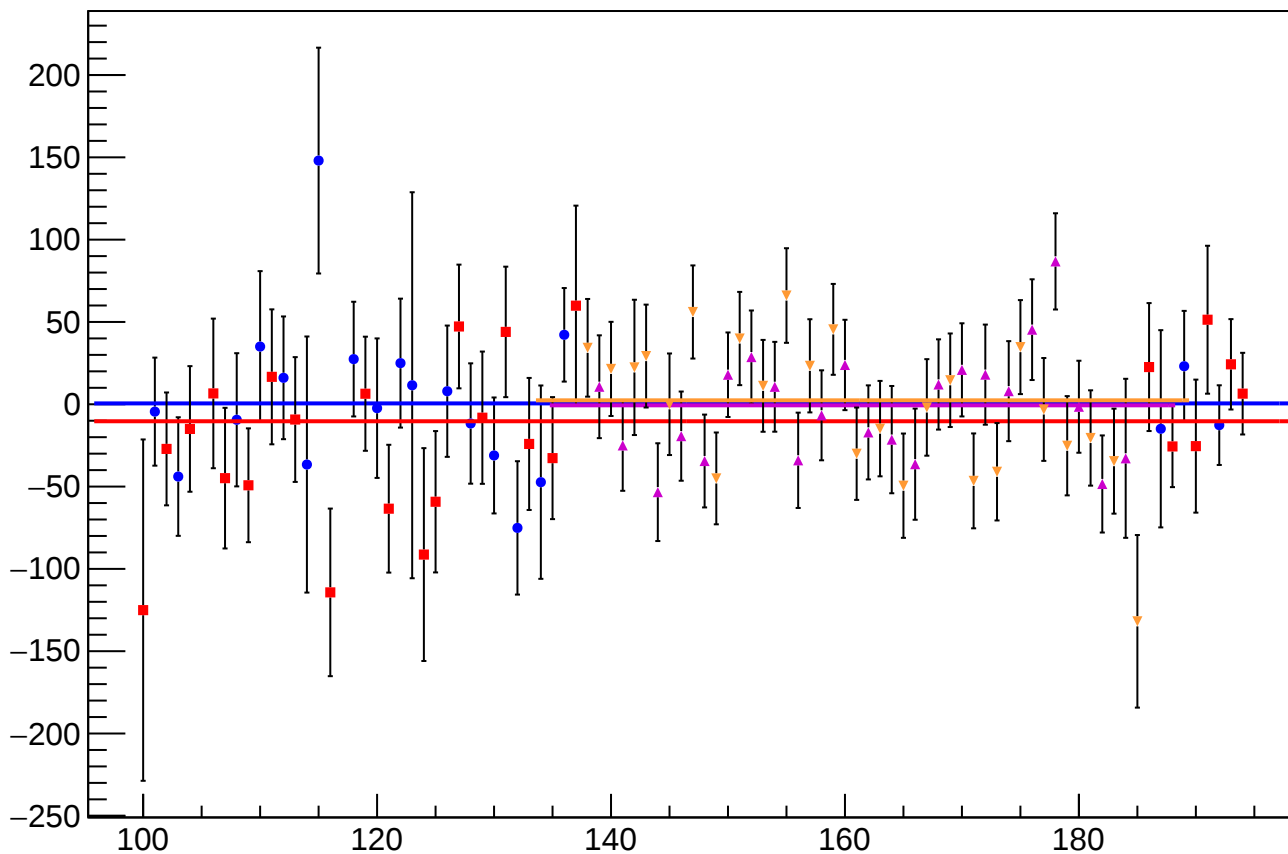
Left In: 182.158 $\pm$ 0.032 χ^2 /NDF:1535922.8/22

+ sign 202.944 $\pm$ 0.029 χ^2 /NDF: 3088375.8/44

All: 193.071 $\pm$ 0.019 χ^2 /NDF: 7208658.3/92

- sign 184.970 $\pm$ 0.026 χ^2 /NDF: 3909383.6/47

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.527 ± 8.710 $\chi^2/\text{NDF}: 16.3/19$

Left Out: 2.390 ± 5.980 $\chi^2/\text{NDF}: 39.1/24$

Right Out: -10.320 ± 7.581 $\chi^2/\text{NDF}: 24.3/24$

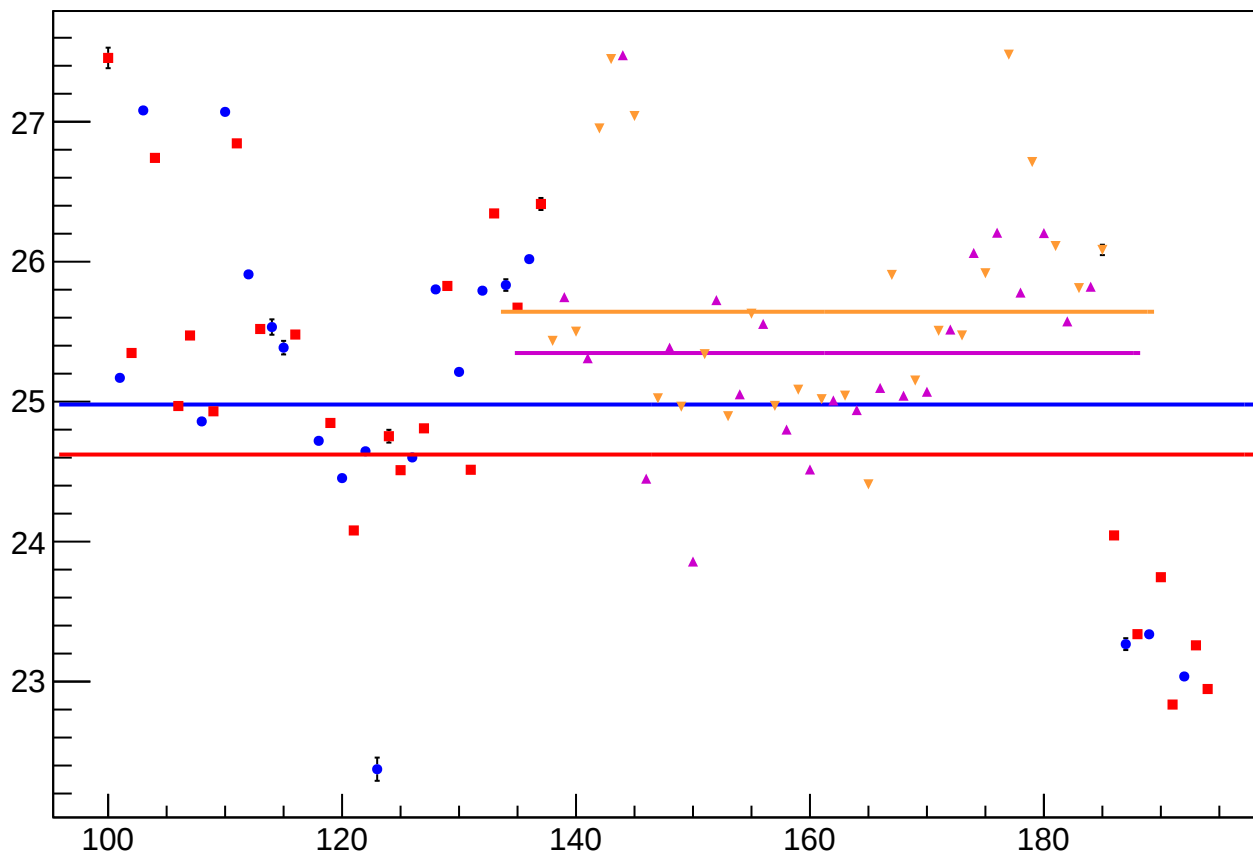
Left In: -0.641 ± 6.091 $\chi^2/\text{NDF}: 27.3/22$

+ sign 1.793 ± 4.930 $\chi^2/\text{NDF}: 55.4/44$

All: -1.439 ± 3.420 $\chi^2/\text{NDF}: 108.9/92$

- sign -4.438 ± 4.748 $\chi^2/\text{NDF}: 52.6/47$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.979 $\pm$ 0.006 χ^2 /NDF: 38504.2/19

Left Out: 25.642 $\pm$ 0.004 χ^2 /NDF: 34802.2/24

Right Out: 24.622 $\pm$ 0.005 χ^2 /NDF: 50582.2/24

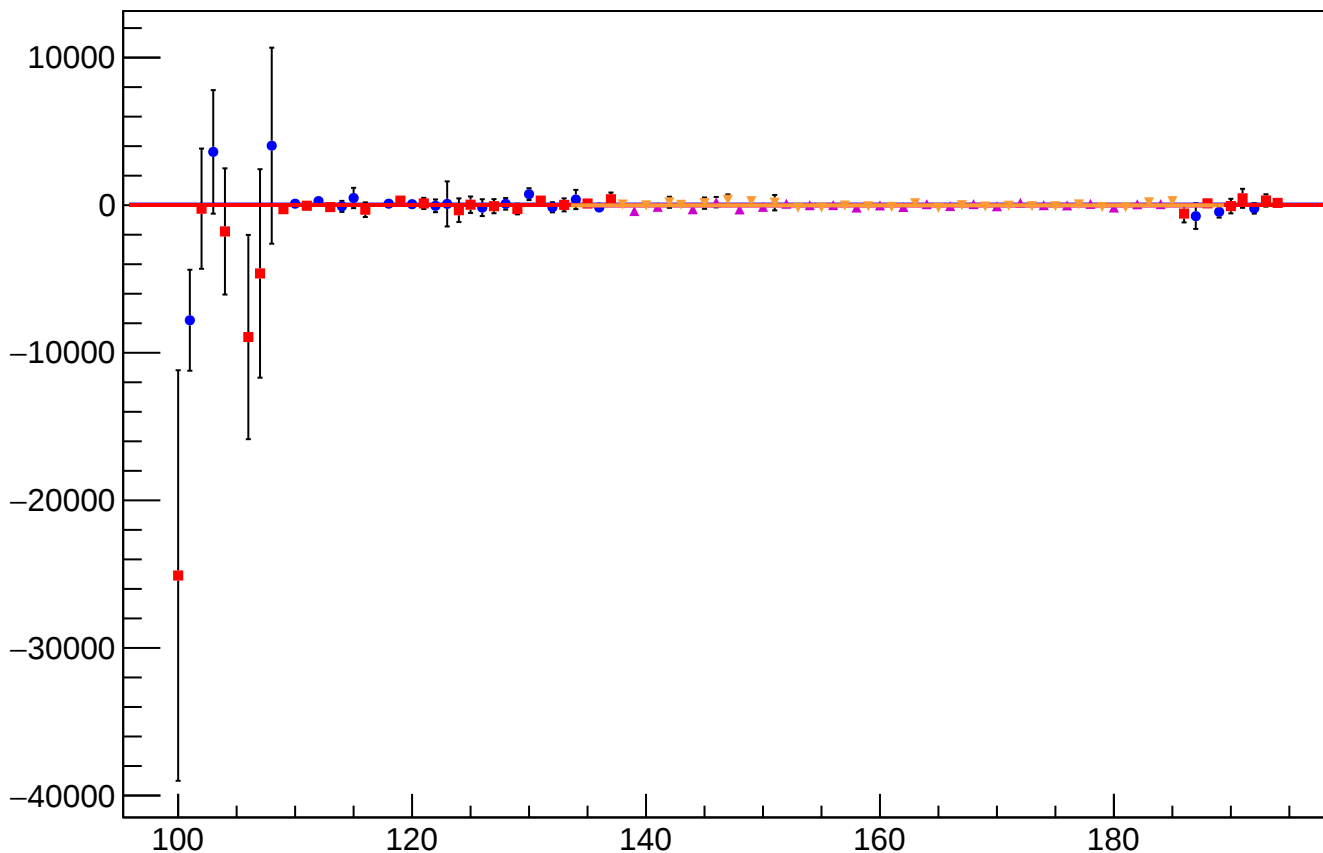
Left In: 25.347 $\pm$ 0.004 χ^2 /NDF: 29389.5/22

+ sign 25.430 $\pm$ 0.003 χ^2 /NDF: 81177.9/44

All: 25.240 $\pm$ 0.002 χ^2 /NDF: 178026.1/92

- sign 25.063 $\pm$ 0.003 χ^2 /NDF: 91096.2/47

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 40.174+/-82.969 χ^2/NDF : 15.7/19

Left Out: -11.432+/-48.263 χ^2/NDF : 8.0/24

Right Out: 14.629+/-70.581 χ^2/NDF : 14.7/24

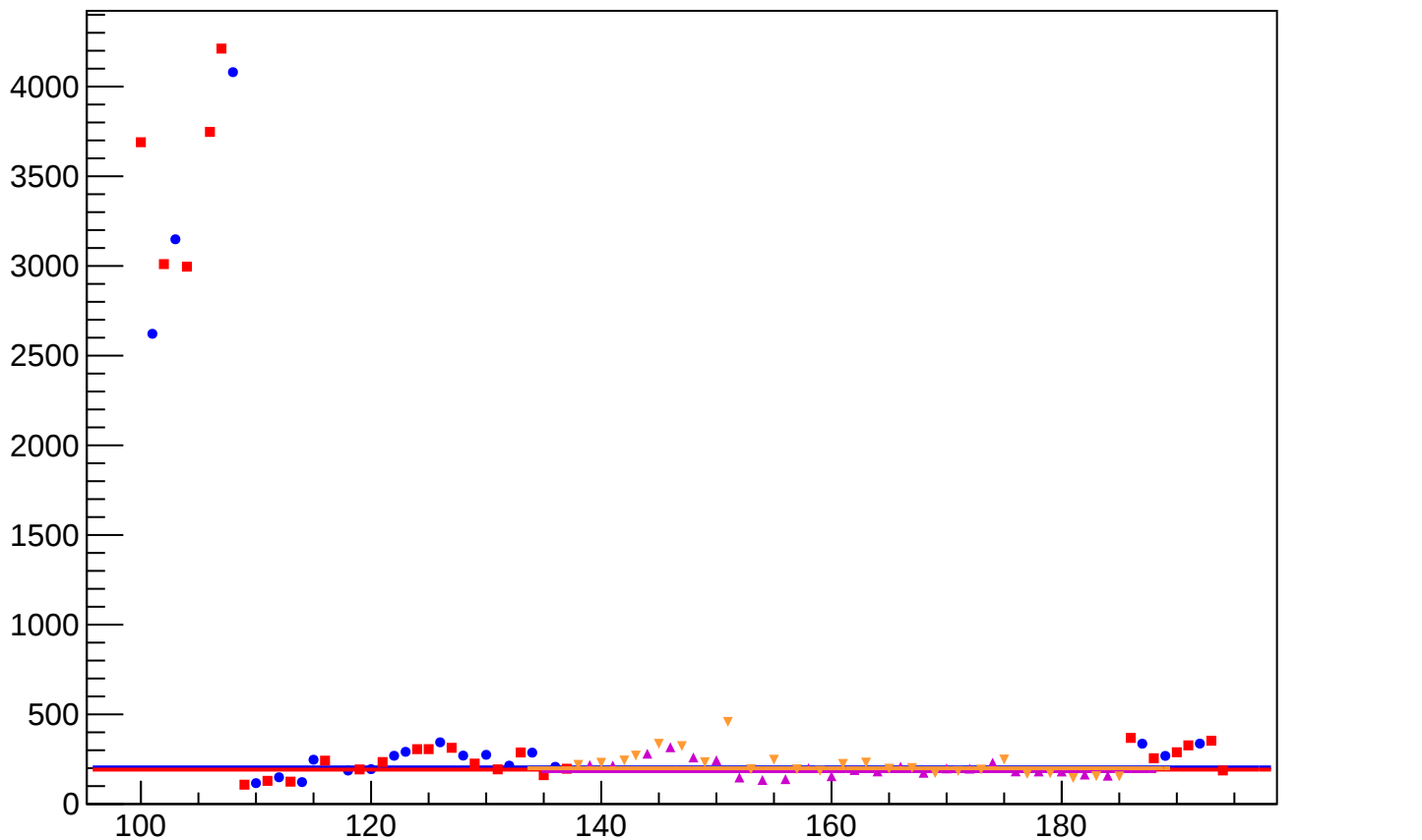
Left In: -27.098+/-45.999 χ^2/NDF : 7.2/22

+ sign 1.616+/-41.718 χ^2/NDF : 24.0/44

All: -7.166+/-28.308 χ^2/NDF : 46.2/92

- sign -14.659+/-38.537 χ^2/NDF : 22.1/47

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 204.237 $\pm$ 0.059 χ^2 /NDF: 3997742.3/19

Left Out: 199.438 $\pm$ 0.034 χ^2 /NDF: 1877848.7/24

Right Out: 192.083 $\pm$ 0.050 χ^2 /NDF: 5057654.6/24

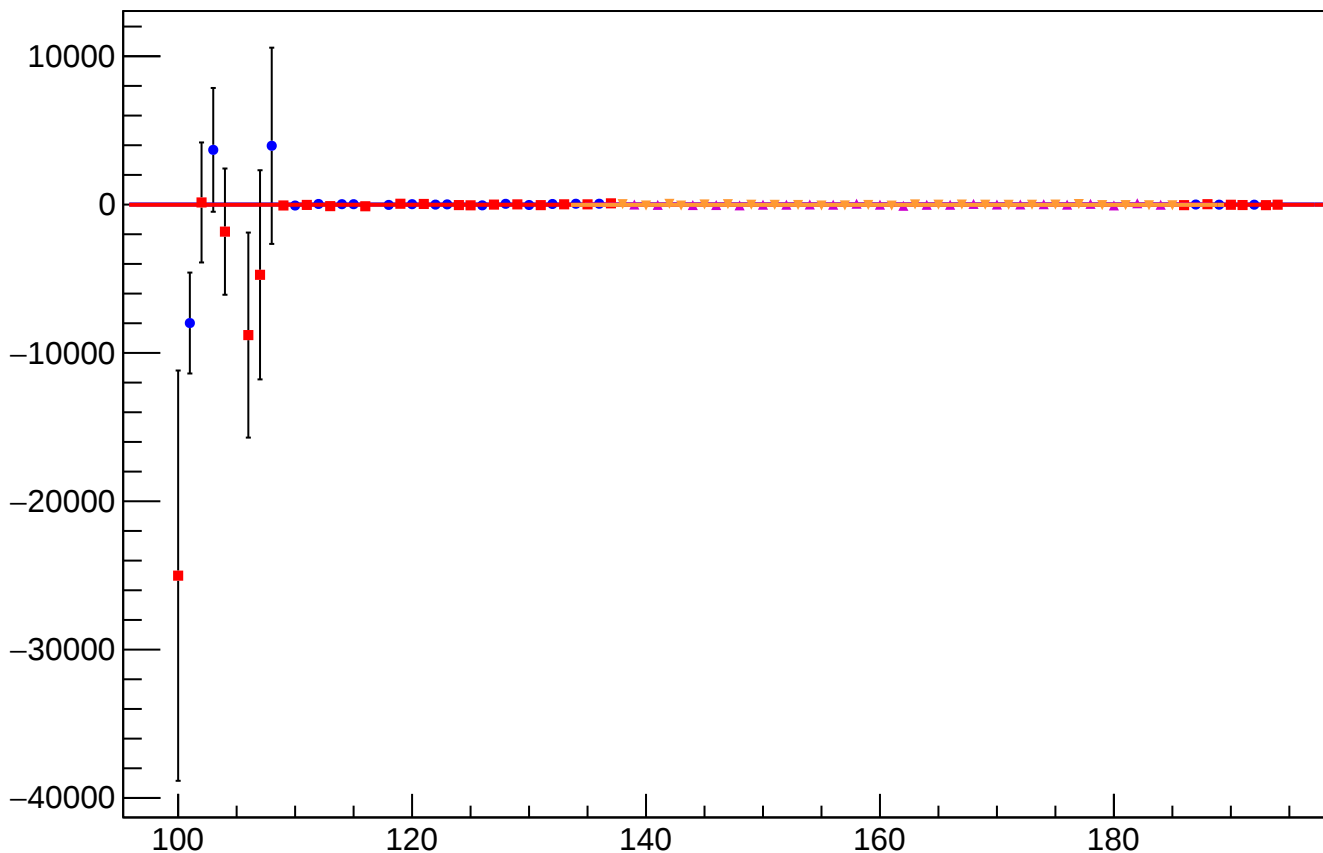
Left In: 183.805 $\pm$ 0.033 χ^2 /NDF: 1412869.6/22

+ sign 200.651 $\pm$ 0.029 χ^2 /NDF: 5880590.9/44

All: 192.893 $\pm$ 0.020 χ^2 /NDF: 12498617.6/92

- sign 186.273 $\pm$ 0.027 χ^2 /NDF: 6489833.5/47

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 7.160 ± 10.643 χ^2/NDF : 18.8/19

Left Out: -18.118 ± 6.704 χ^2/NDF : 21.7/24

Right Out: -11.744 ± 9.470 χ^2/NDF : 26.5/24

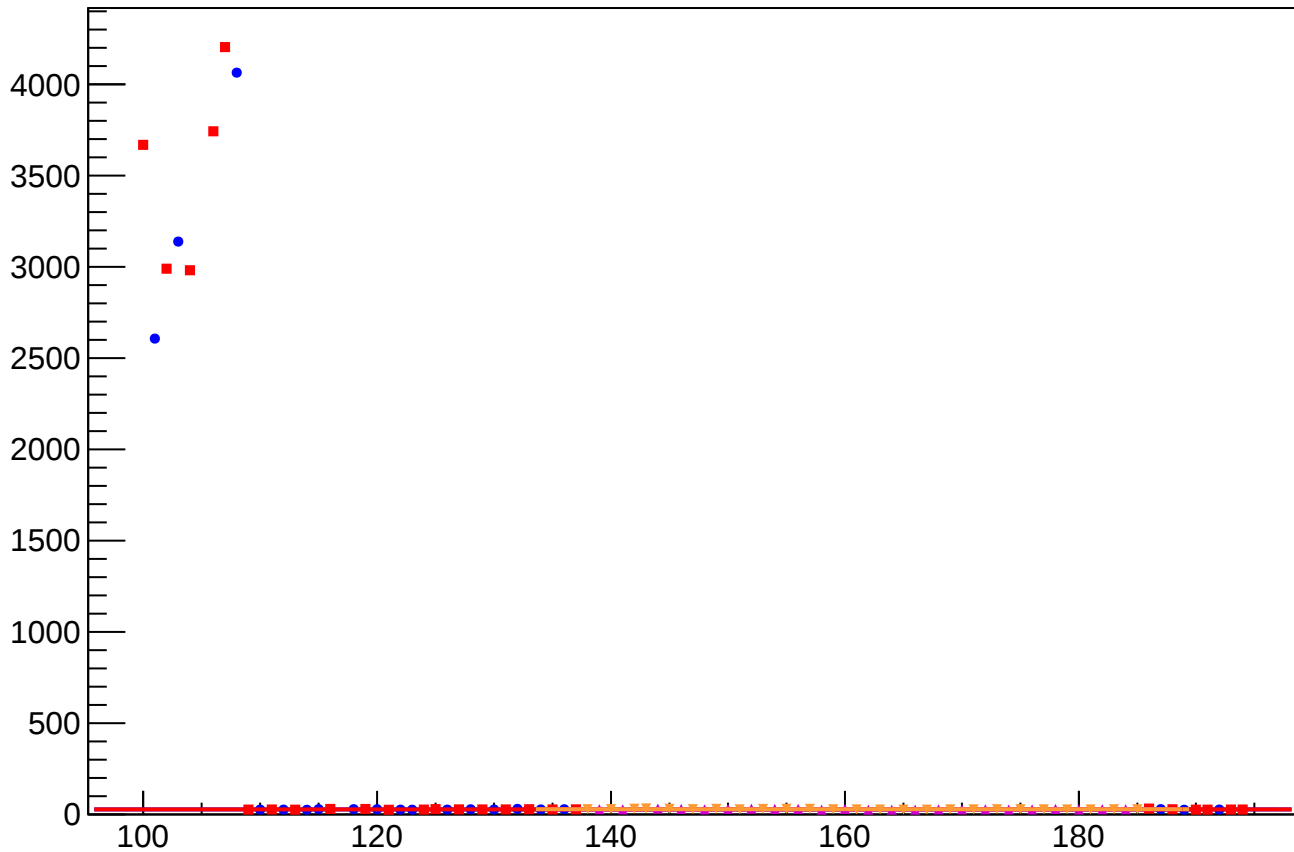
Left In: -1.267 ± 6.908 χ^2/NDF : 32.0/22

+ sign -10.937 ± 5.672 χ^2/NDF : 44.6/44

All: -7.873 ± 3.978 χ^2/NDF : 104.5/92

- sign -4.906 ± 5.581 χ^2/NDF : 59.4/47

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.598 $\pm$ 0.008 χ^2 /NDF: 3033662.2/19

Left Out: 28.694 $\pm$ 0.005 χ^2 /NDF: 110466.9/24

Right Out: 27.638 $\pm$ 0.007 χ^2 /NDF: 3499063.9/24

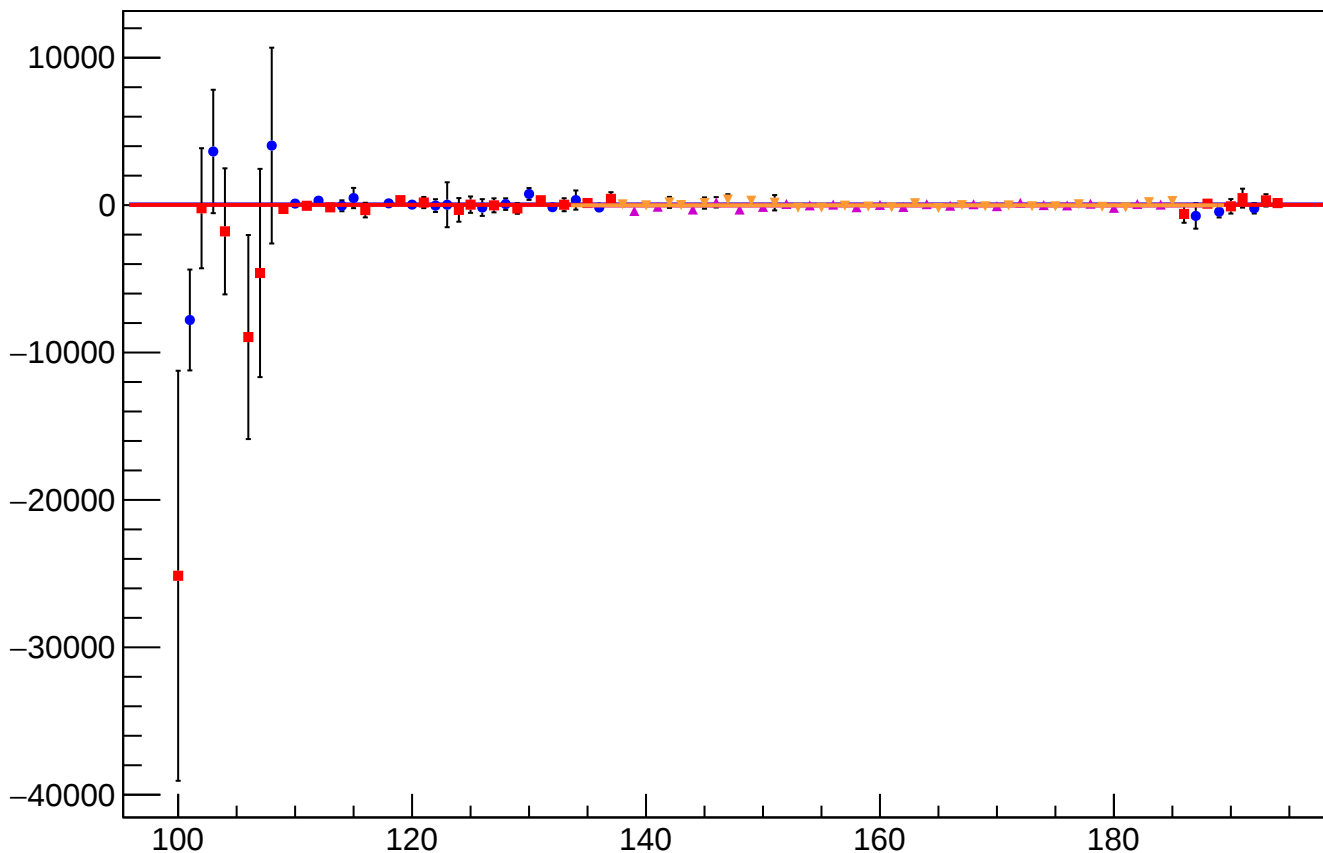
Left In: 28.677 $\pm$ 0.005 χ^2 /NDF: 123814.4/22

+ sign 28.382 $\pm$ 0.004 χ^2 /NDF: 3159320.2/44

All: 28.349 $\pm$ 0.003 χ^2 /NDF: 6798043.4/92

- sign 28.316 $\pm$ 0.004 χ^2 /NDF: 3638584.1/47

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 44.831 $\pm$ 82.723 χ^2 /NDF: 16.0/19

Left Out: -13.878 $\pm$ 48.155 χ^2 /NDF: 8.8/24

Right Out: 18.032 $\pm$ 70.387 χ^2 /NDF: 15.4/24

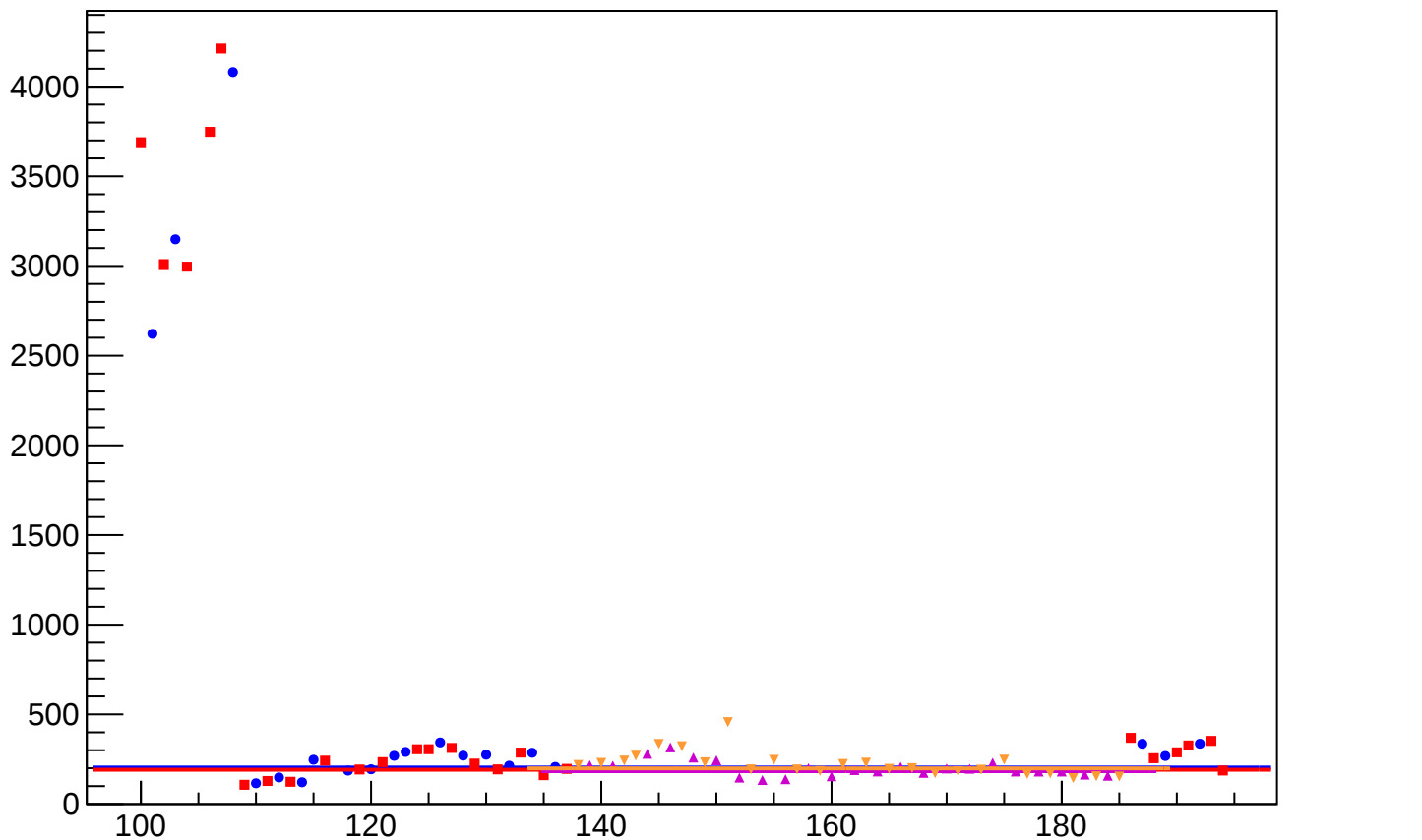
Left In: -27.286 $\pm$ 45.907 χ^2 /NDF: 7.5/22

+ sign 0.982 $\pm$ 41.617 χ^2 /NDF: 25.2/44

All: -6.972 $\pm$ 28.242 χ^2 /NDF: 48.4/92

- sign -13.762 $\pm$ 38.452 χ^2 /NDF: 23.1/47

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 203.513 $\pm$ 0.058 χ^2 /NDF: 4012319.7/19

Left Out: 198.997 $\pm$ 0.034 χ^2 /NDF: 1877636.0/24

Right Out: 191.446 $\pm$ 0.050 χ^2 /NDF: 5075802.8/24

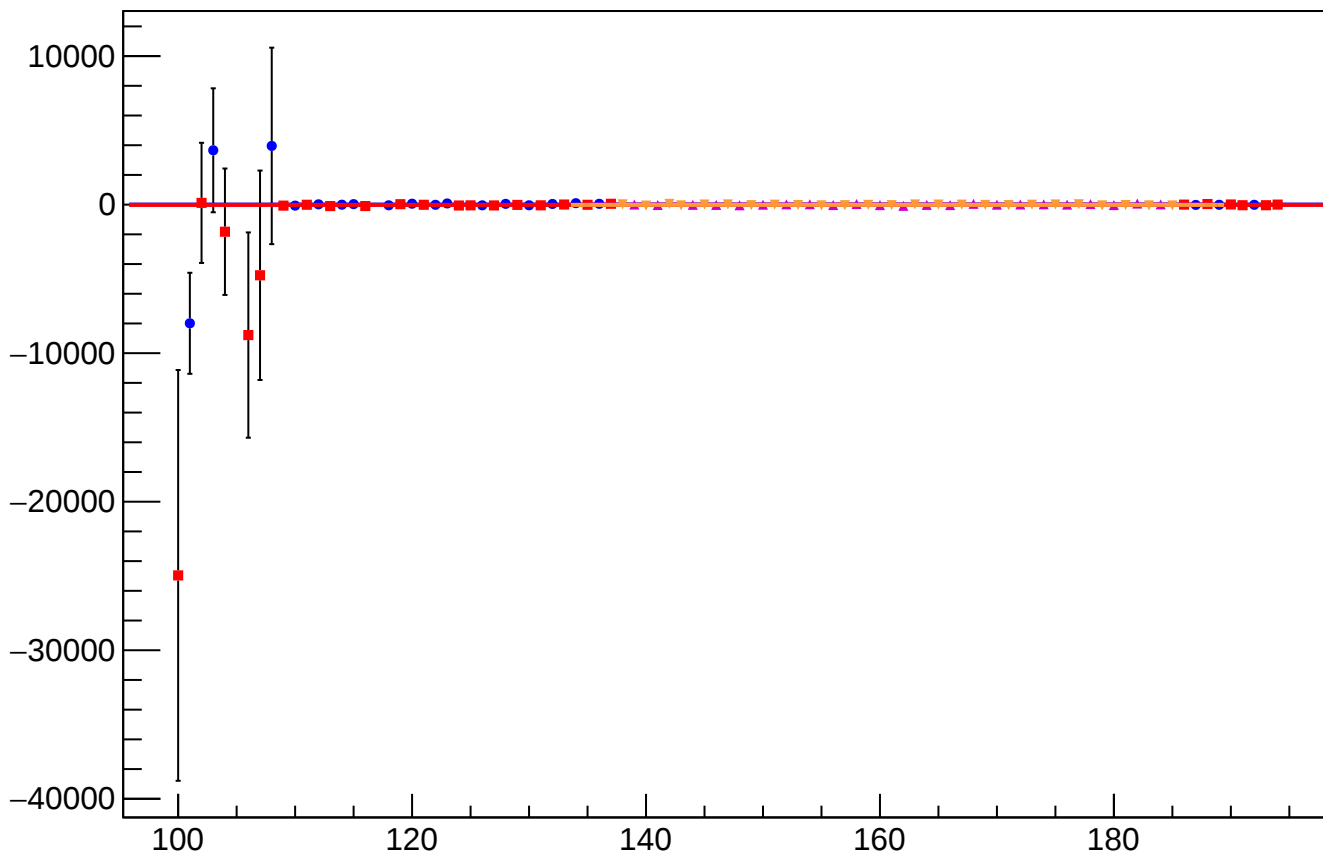
Left In: 183.442 $\pm$ 0.032 χ^2 /NDF: 1412341.8/22

+ sign 200.140 $\pm$ 0.029 χ^2 /NDF: 5894409.0/44

All: 192.420 $\pm$ 0.020 χ^2 /NDF: 12528254.1/92

- sign 185.830 $\pm$ 0.027 χ^2 /NDF: 6506289.3/47

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 4.478 $\pm$ 10.693 χ^2 /NDF: 23.2/19

Left Out: -15.829 $\pm$ 6.733 χ^2 /NDF:16.5/24

Right Out: -16.892 $\pm$ 9.506 χ^2 /NDF: 22.3/24

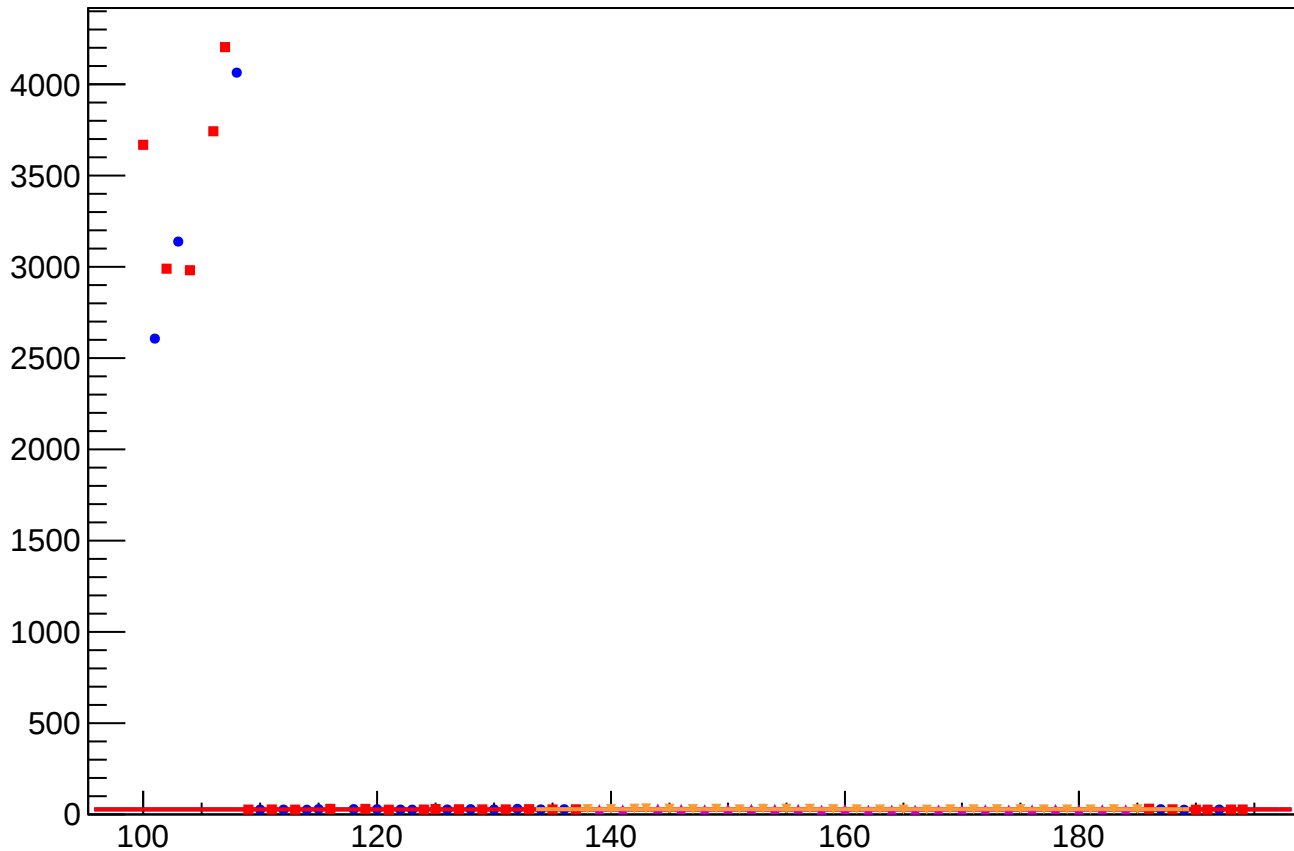
Left In: 0.498 $\pm$ 6.937 χ^2 /NDF:26.1/22

+ sign -10.064 $\pm$ 5.698 χ^2 /NDF: 42.3/44

All: -7.767 $\pm$ 3.995 χ^2 /NDF: 93.2/92

- sign -5.545 $\pm$ 5.604 χ^2 /NDF: 50.6/47

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.723 $\pm$ 0.008 χ^2 /NDF: 3035896.6/19

Left Out: 28.814 $\pm$ 0.005 χ^2 /NDF: 122153.6/24

Right Out: 27.745 $\pm$ 0.007 χ^2 /NDF: 3497236.0/24

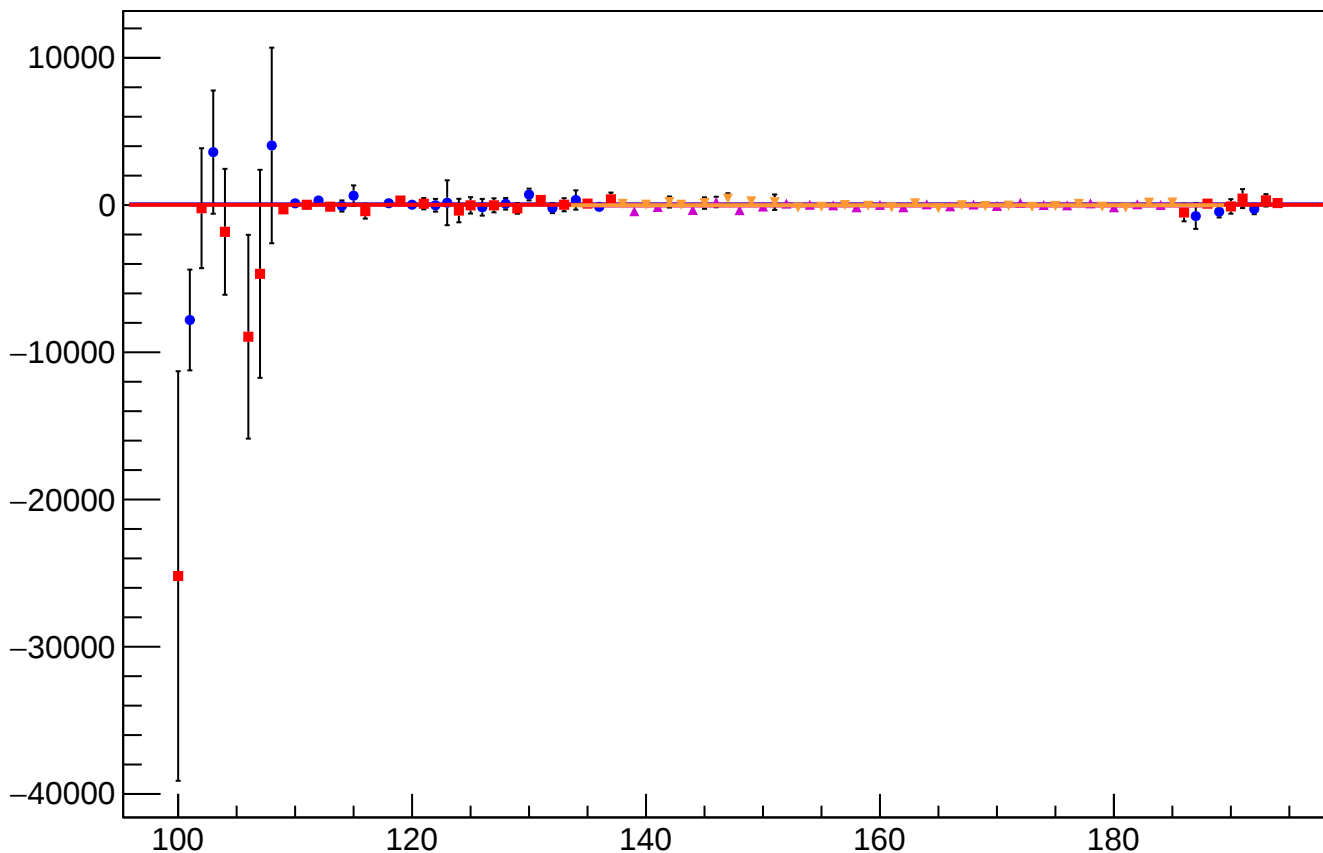
Left In: 28.797 $\pm$ 0.005 χ^2 /NDF: 128279.2/22

+ sign 28.505 $\pm$ 0.004 χ^2 /NDF: 3172960.8/44

All: 28.467 $\pm$ 0.003 χ^2 /NDF: 6814642.1/92

- sign 28.432 $\pm$ 0.004 χ^2 /NDF: 3641514.8/47

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 48.005 $\pm$ 83.625 χ^2 /NDF: 16.2/19

Left Out: -13.966 $\pm$ 48.735 χ^2 /NDF: 8.1/24

Right Out: 19.669 $\pm$ 71.141 χ^2 /NDF: 14.5/24

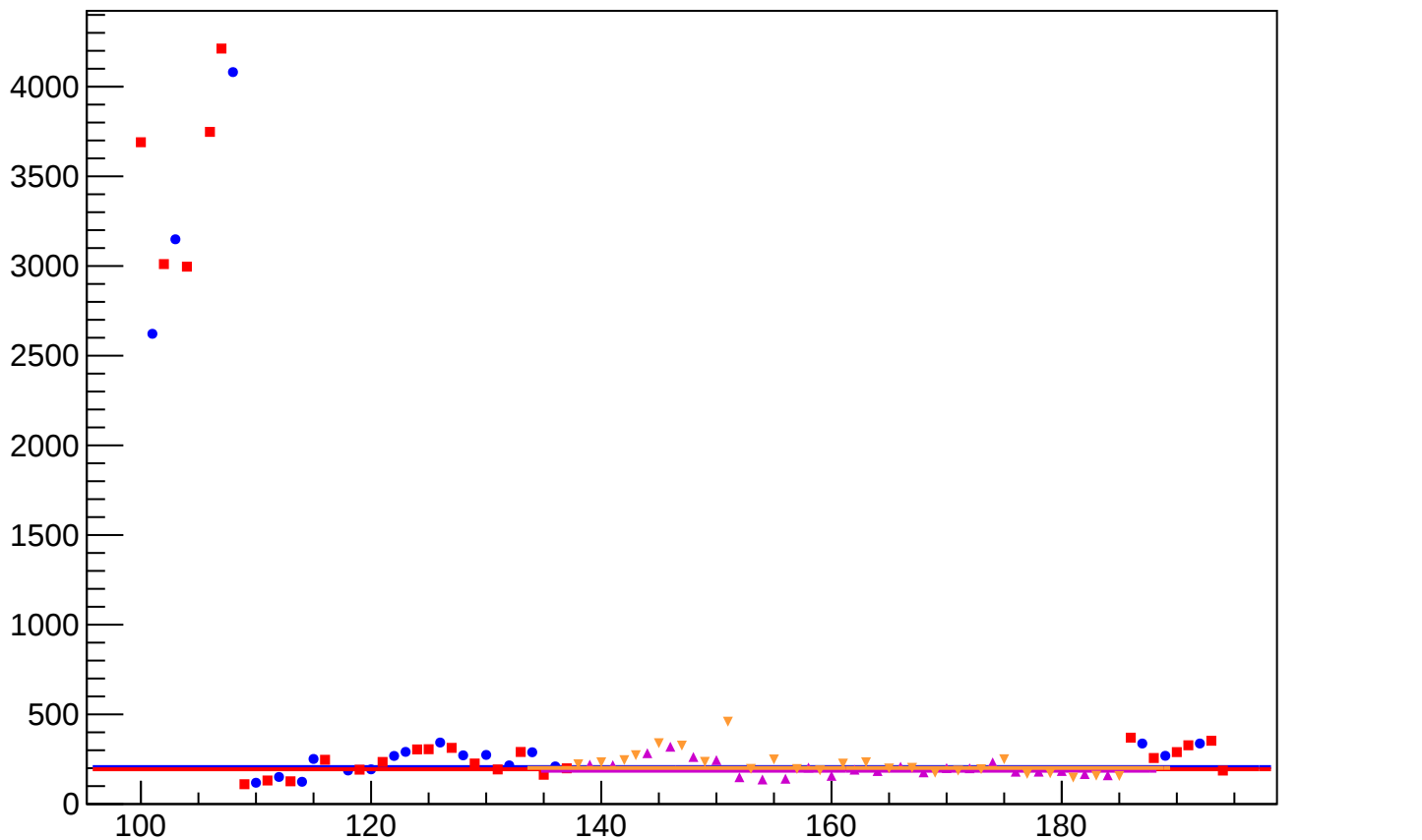
Left In: -31.477 $\pm$ 46.483 χ^2 /NDF: 7.8/22

+ sign 1.746 $\pm$ 42.107 χ^2 /NDF: 24.7/44

All: -7.920 $\pm$ 28.578 χ^2 /NDF: 47.5/92

- sign -16.175 $\pm$ 38.913 χ^2 /NDF: 22.7/47

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 206.233 $\pm$ 0.059 χ^2 /NDF: 3951193.5/19

Left Out: 201.503 $\pm$ 0.034 χ^2 /NDF:1854905.1/24

Right Out: 194.048 $\pm$ 0.050 χ^2 /NDF: 4994839.5/24

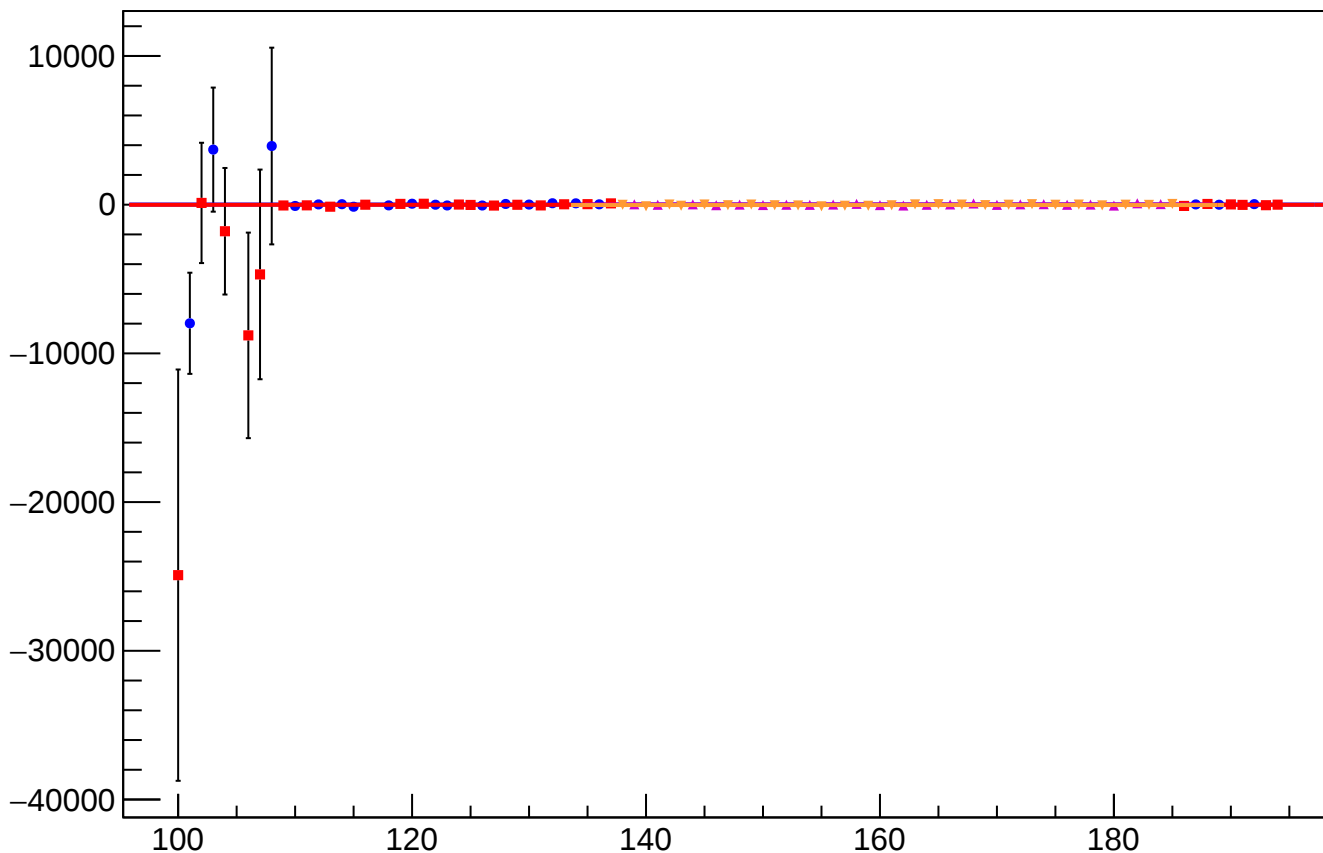
Left In: 185.878 $\pm$ 0.033 χ^2 /NDF:1380877.6/22

+ sign 202.702 $\pm$ 0.030 χ^2 /NDF: 5810875.4/44

All: 194.947 $\pm$ 0.020 χ^2 /NDF: 12330878.3/92

- sign 188.323 $\pm$ 0.028 χ^2 /NDF: 6394202.0/47

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 9.852 ± 13.057 χ^2/NDF : 20.8/19

Left Out: -24.144 ± 8.076 χ^2/NDF : 24.9/24

Right Out: -7.878 ± 11.576 χ^2/NDF : 26.0/24

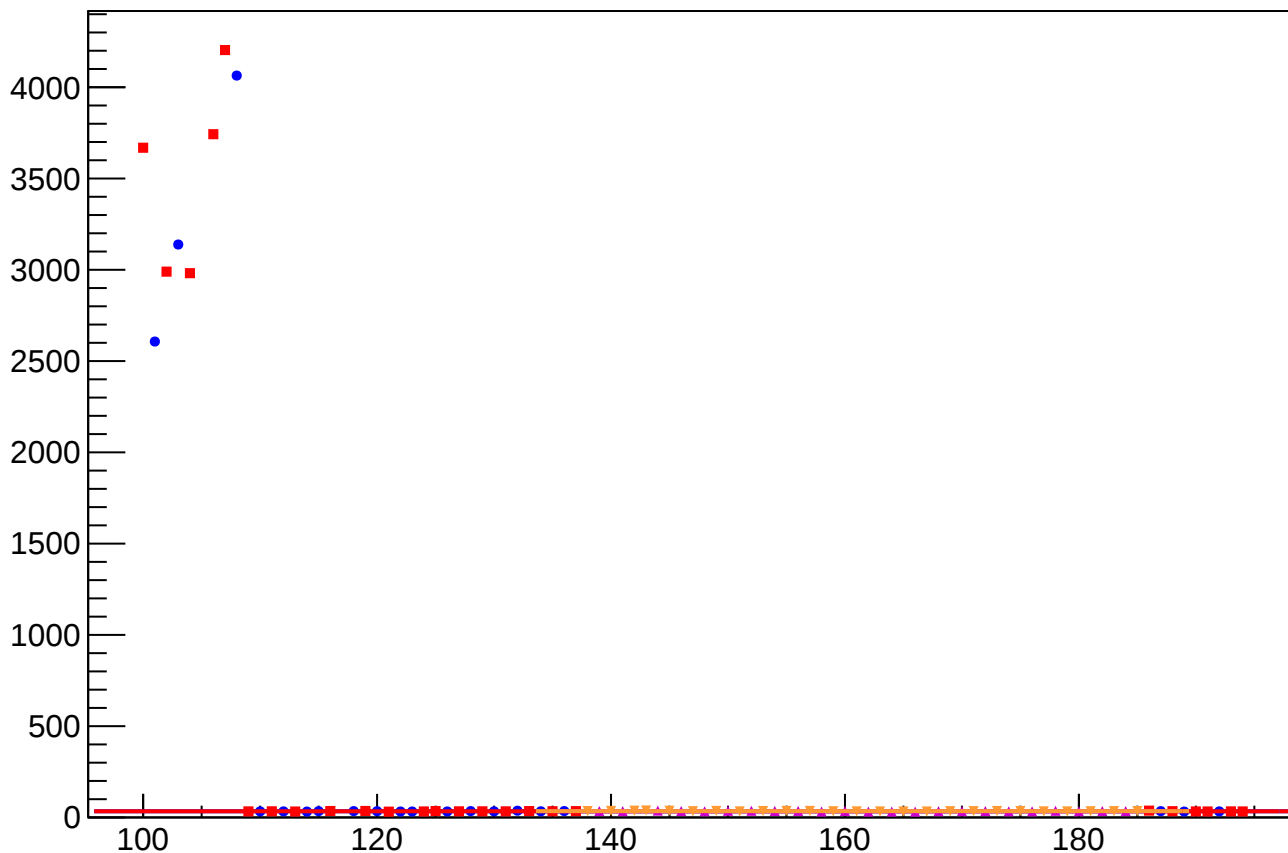
Left In: 5.924 ± 8.340 χ^2/NDF : 21.0/22

+ sign -14.736 ± 6.868 χ^2/NDF : 50.6/44

All: -6.645 ± 4.820 χ^2/NDF : 101.2/92

- sign 1.208 ± 6.767 χ^2/NDF : 47.9/47

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.888 $\pm$ 0.009 χ^2 /NDF: 3010321.1/19

Left Out: 34.617 $\pm$ 0.006 χ^2 /NDF: 57868.4/24

Right Out: 33.853 $\pm$ 0.008 χ^2 /NDF: 3462128.6/24

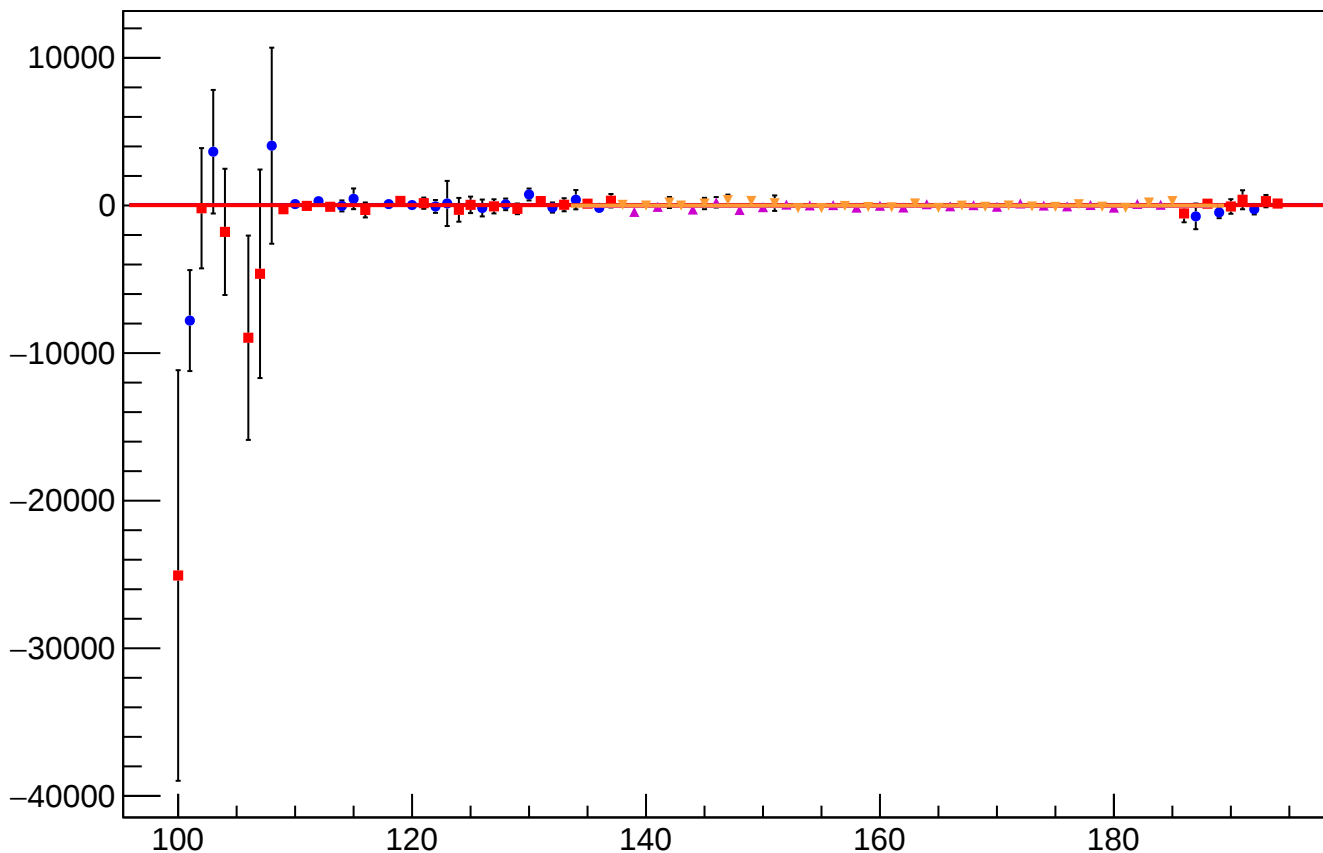
Left In: 34.682 $\pm$ 0.006 χ^2 /NDF: 59834.3/22

+ sign 34.416 $\pm$ 0.005 χ^2 /NDF: 3072703.0/44

All: 34.407 $\pm$ 0.003 χ^2 /NDF: 6601412.1/92

- sign 34.399 $\pm$ 0.005 χ^2 /NDF: 3528702.9/47

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 34.859 $\pm$ 83.243 χ^2 /NDF: 16.0/19

Left Out: -7.558 $\pm$ 48.662 χ^2 /NDF: 8.8/24

Right Out: 22.404 $\pm$ 70.773 χ^2 /NDF: 13.2/24

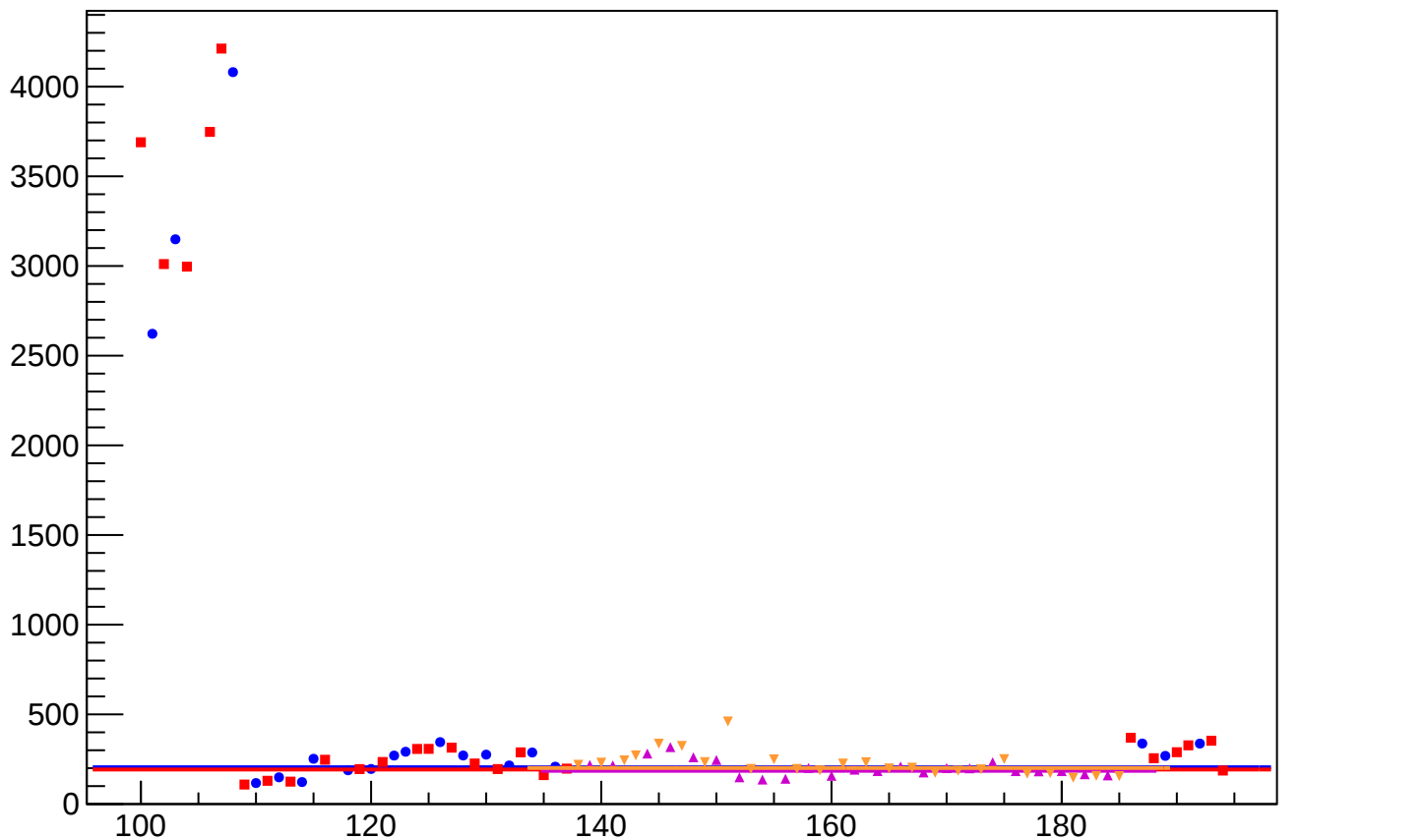
Left In: -34.977 $\pm$ 46.421 χ^2 /NDF: 7.1/22

+ sign 3.246 $\pm$ 42.010 χ^2 /NDF: 24.9/44

All: -8.063 $\pm$ 28.510 χ^2 /NDF: 45.9/92

- sign -17.717 $\pm$ 38.816 χ^2 /NDF: 20.8/47

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 204.944 $\pm$ 0.059 χ^2 /NDF: 3995371.9/19

Left Out: 201.198 $\pm$ 0.034 χ^2 /NDF: 1848437.4/24

Right Out: 192.645 $\pm$ 0.050 χ^2 /NDF: 5054910.7/24

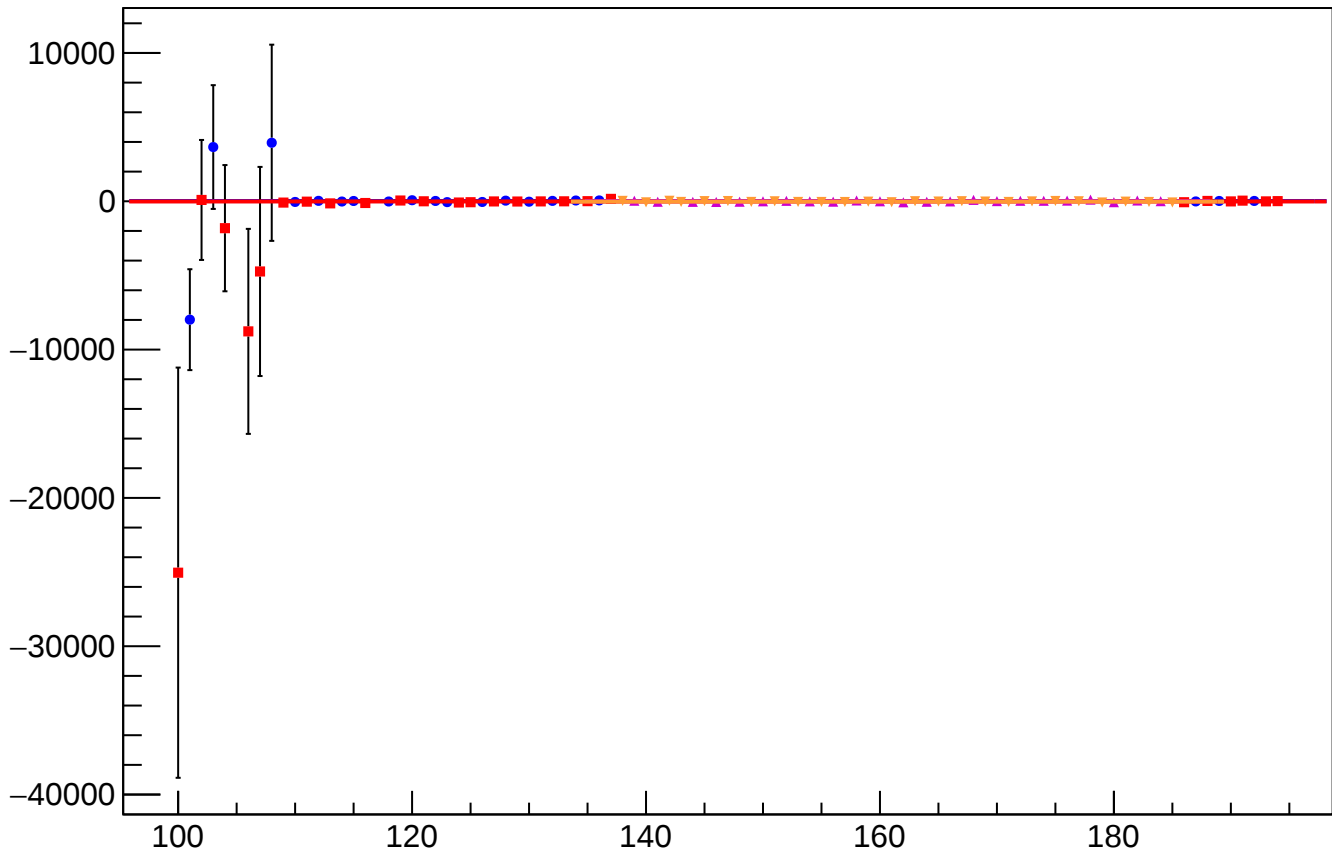
Left In: 185.627 $\pm$ 0.033 χ^2 /NDF: 1371411.2/22

+ sign 202.152 $\pm$ 0.030 χ^2 /NDF: 5846828.1/44

All: 194.377 $\pm$ 0.020 χ^2 /NDF: 12413912.6/92

- sign 187.738 $\pm$ 0.027 χ^2 /NDF: 6440072.3/47

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 15.576+/-11.845 χ^2/NDF : 15.0/19

Left Out: -23.320+/-7.352 χ^2/NDF :18.3/24

Right Out: -11.681+/-10.508 χ^2/NDF : 31.4/24

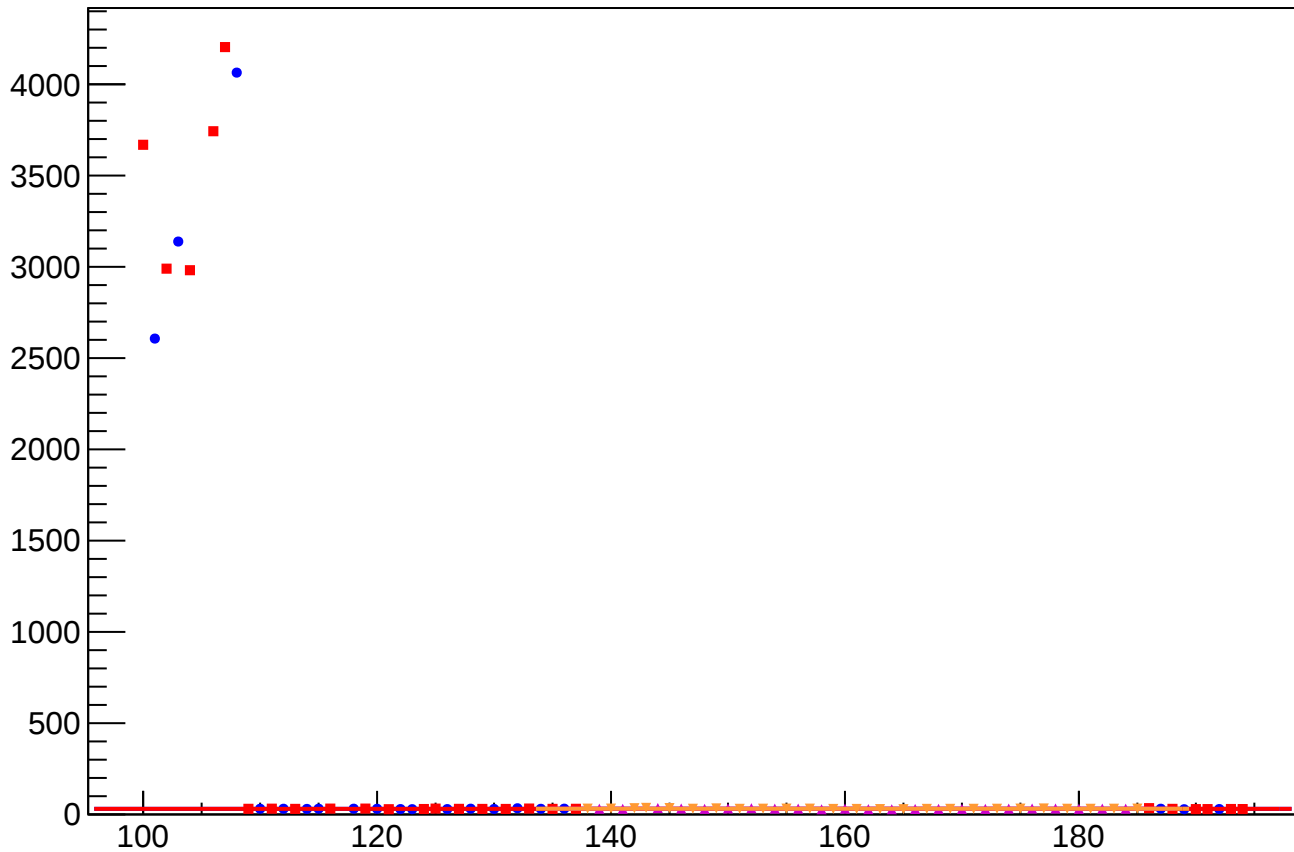
Left In: 6.386+/-7.577 χ^2/NDF :38.7/22

+ sign -12.503+/-6.246 χ^2/NDF : 41.1/44

All: -6.045+/-4.381 χ^2/NDF : 115.2/92

- sign 0.206+/-6.146 χ^2/NDF : 72.1/47

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.734 $\pm$ 0.008 χ^2 /NDF: 3023840.0/19

Left Out: 31.488 $\pm$ 0.005 χ^2 /NDF: 81938.2/24

Right Out: 30.698 $\pm$ 0.007 χ^2 /NDF: 3475575.0/24

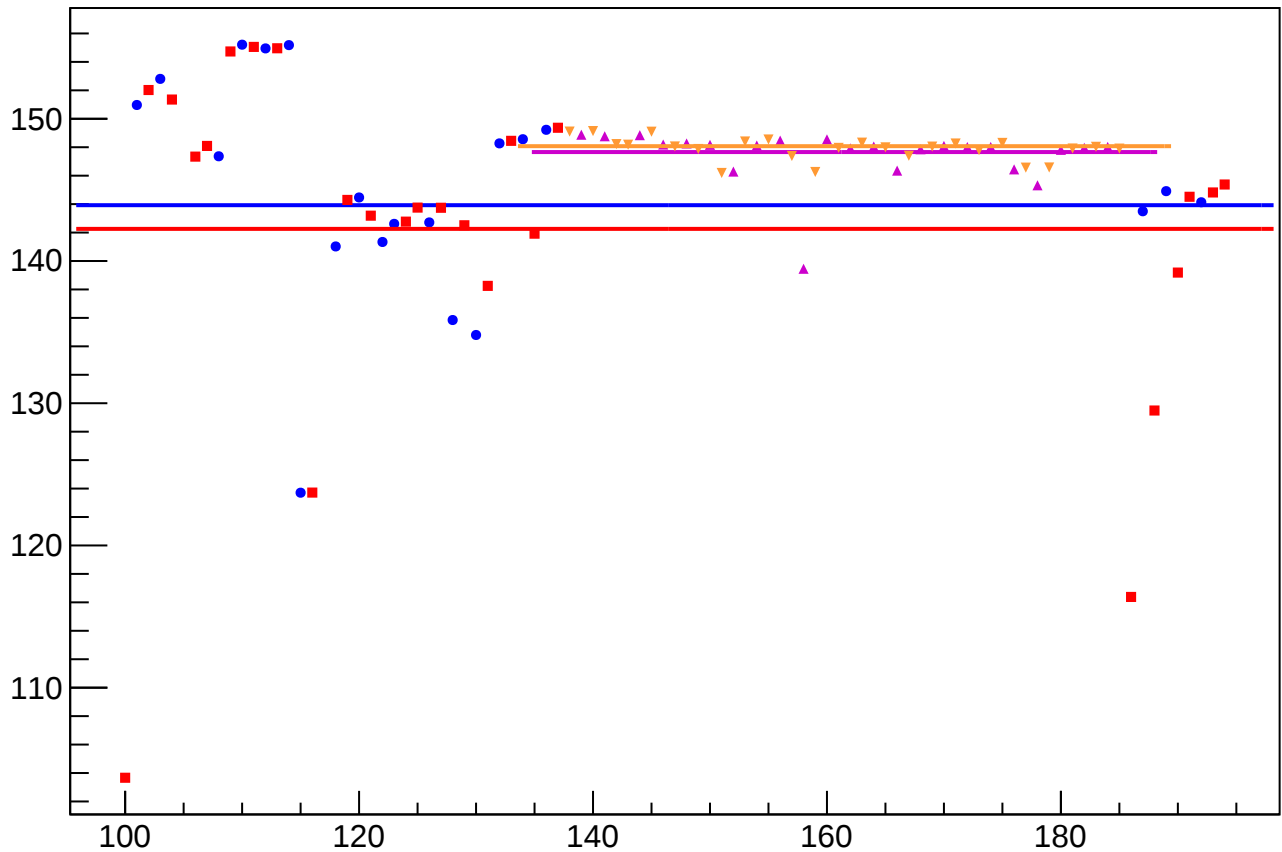
Left In: 31.475 $\pm$ 0.005 χ^2 /NDF: 87797.5/22

+ sign 31.279 $\pm$ 0.004 χ^2 /NDF: 3111631.2/44

All: 31.244 $\pm$ 0.003 χ^2 /NDF: 6682326.1/92

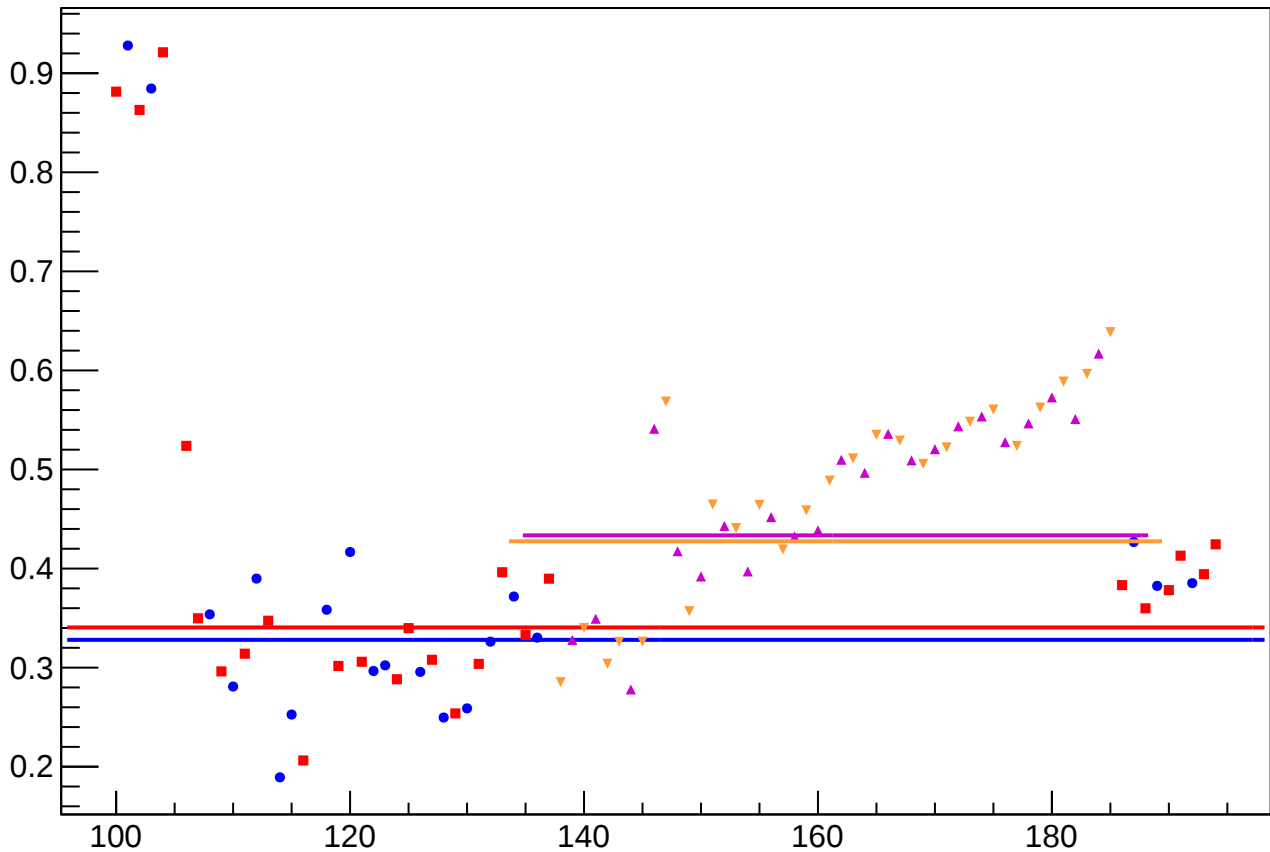
- sign 31.210 $\pm$ 0.004 χ^2 /NDF: 3570570.3/47

yield_bcm_an_ds_mean vs Slug



Right In: 143.925 ± 0.000 χ^2/NDF : 3451946133.2/19
 Left Out: 148.074 ± 0.000 χ^2/NDF : 65673678.9/24
 Right Out: 142.259 ± 0.000 χ^2/NDF : 7307194215.2/24
 Left In: 147.660 ± 0.000 χ^2/NDF : 343892338.9/22
 All: 145.709 ± 0.000 χ^2/NDF : 13153409084.0
 + sign 146.362 ± 0.000 χ^2/NDF : 4175421719.4/44
 - sign 145.083 ± 0.000 χ^2/NDF : 8846400341.2/47

yield_bcm_an_ds_rms vs Slug



Right In: 0.328 ± 0.000 χ^2/NDF : 1357928.1/19

Left Out: 0.428 ± 0.000 χ^2/NDF : 1892802.8/24

Right Out: 0.341 ± 0.000 χ^2/NDF : 1381505.0/24

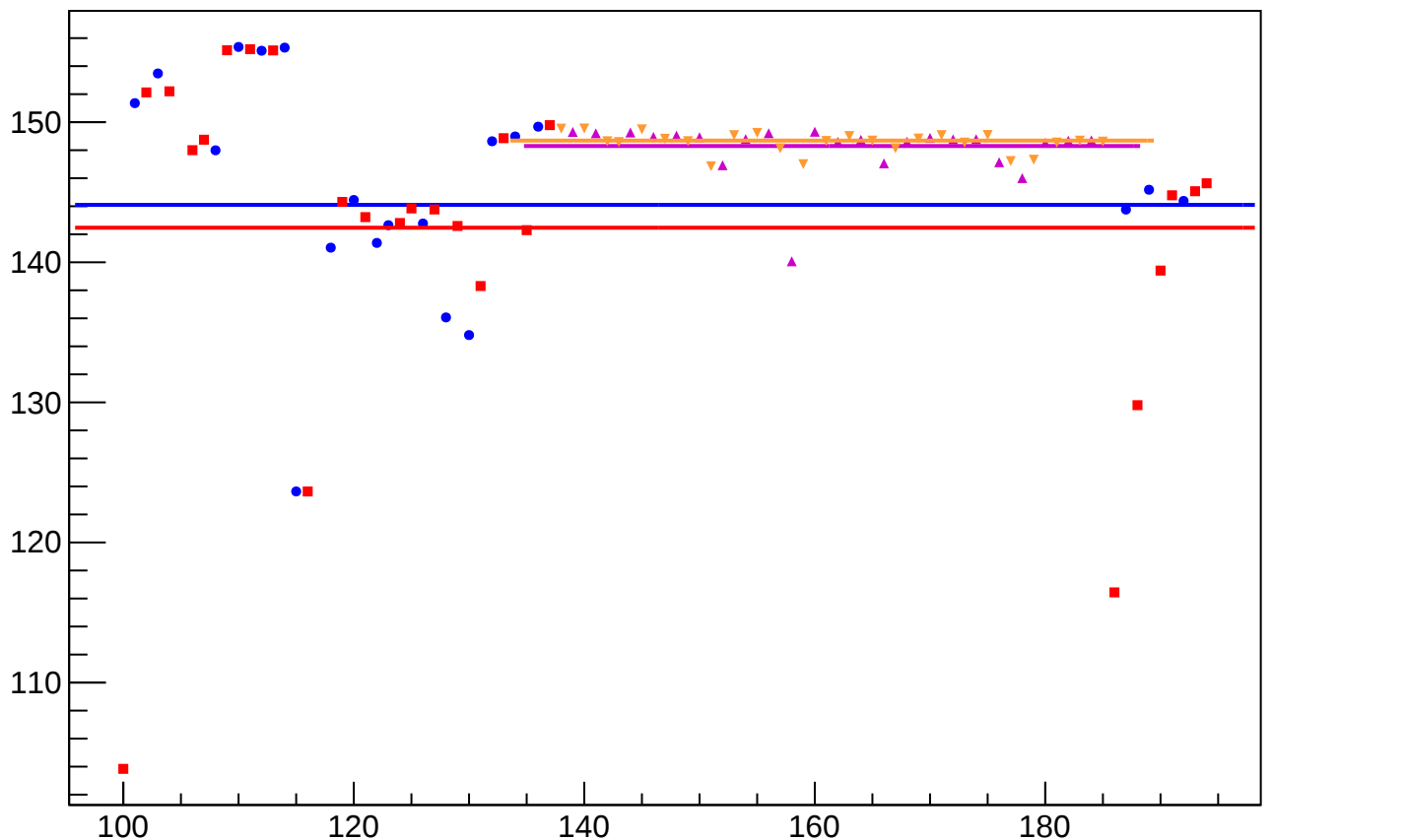
Left In: 0.434 ± 0.000 χ^2/NDF : 1479367.0/22

+ sign 0.386 ± 0.000 χ^2/NDF : 4006992.2/44

All: 0.388 ± 0.000 χ^2/NDF : 7576915.4/92

- sign 0.389 ± 0.000 χ^2/NDF : 3568769.0/47

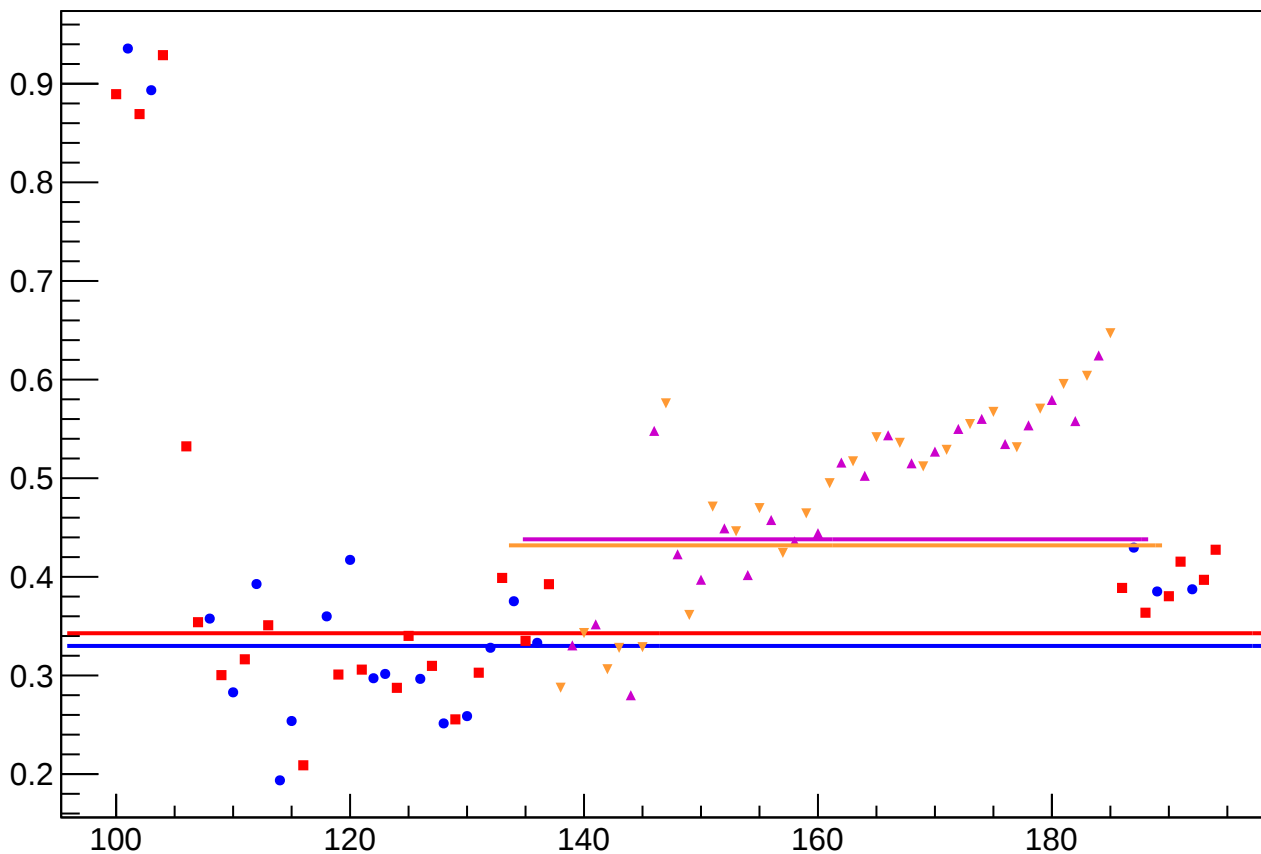
yield_bcm_an_ds3_mean vs Slug



Right In: 144.101 ± 0.000 χ^2/NDF : 3496638734.2/19
 Left Out: 148.687 ± 0.000 χ^2/NDF : 52285197.5/24
 Right Out: 142.468 ± 0.000 χ^2/NDF : 7252088314.3/24
 Left In: 148.298 ± 0.000 χ^2/NDF : 332527463.6/22

+ sign 146.784 ± 0.000 χ^2/NDF : 4340104280.5/44
 All: 146.131 ± 0.000 χ^2/NDF : 13422917231.
 - sign 145.504 ± 0.000 χ^2/NDF : 8953281672.3/47

yield_bcm_an_ds3_rms vs Slug



Right In: 0.330 ± 0.000 $\chi^2/\text{NDF}: 1359691.0/19$

Left Out: 0.432 ± 0.000 $\chi^2/\text{NDF}: 1924979.0/24$

Right Out: 0.343 ± 0.000 $\chi^2/\text{NDF}: 1386683.9/24$

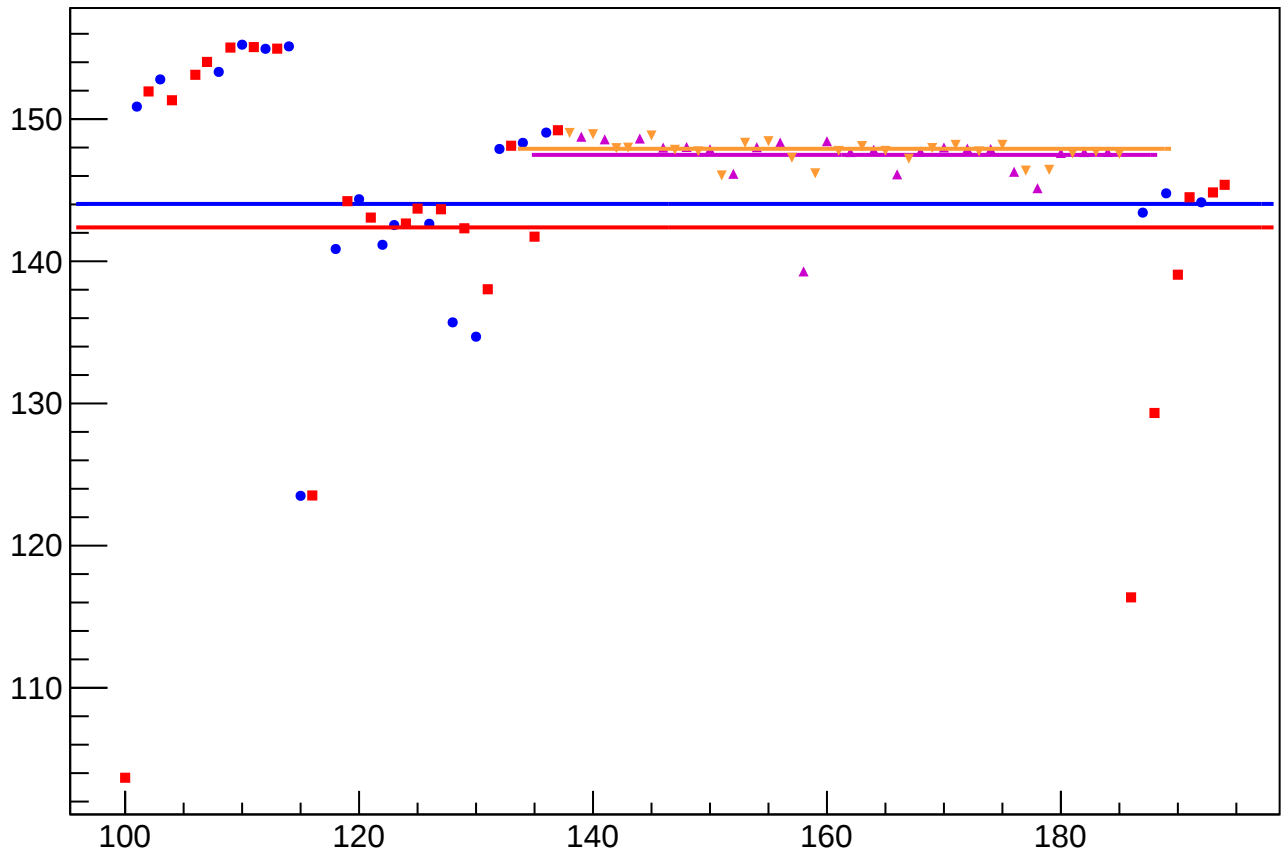
Left In: 0.438 ± 0.000 $\chi^2/\text{NDF}: 1504635.6/22$

+ sign 0.390 ± 0.000 $\chi^2/\text{NDF}: 4066954.5/44$

All: 0.391 ± 0.000 $\chi^2/\text{NDF}: 7689961.4/92$

- sign 0.392 ± 0.000 $\chi^2/\text{NDF}: 3621757.1/47$

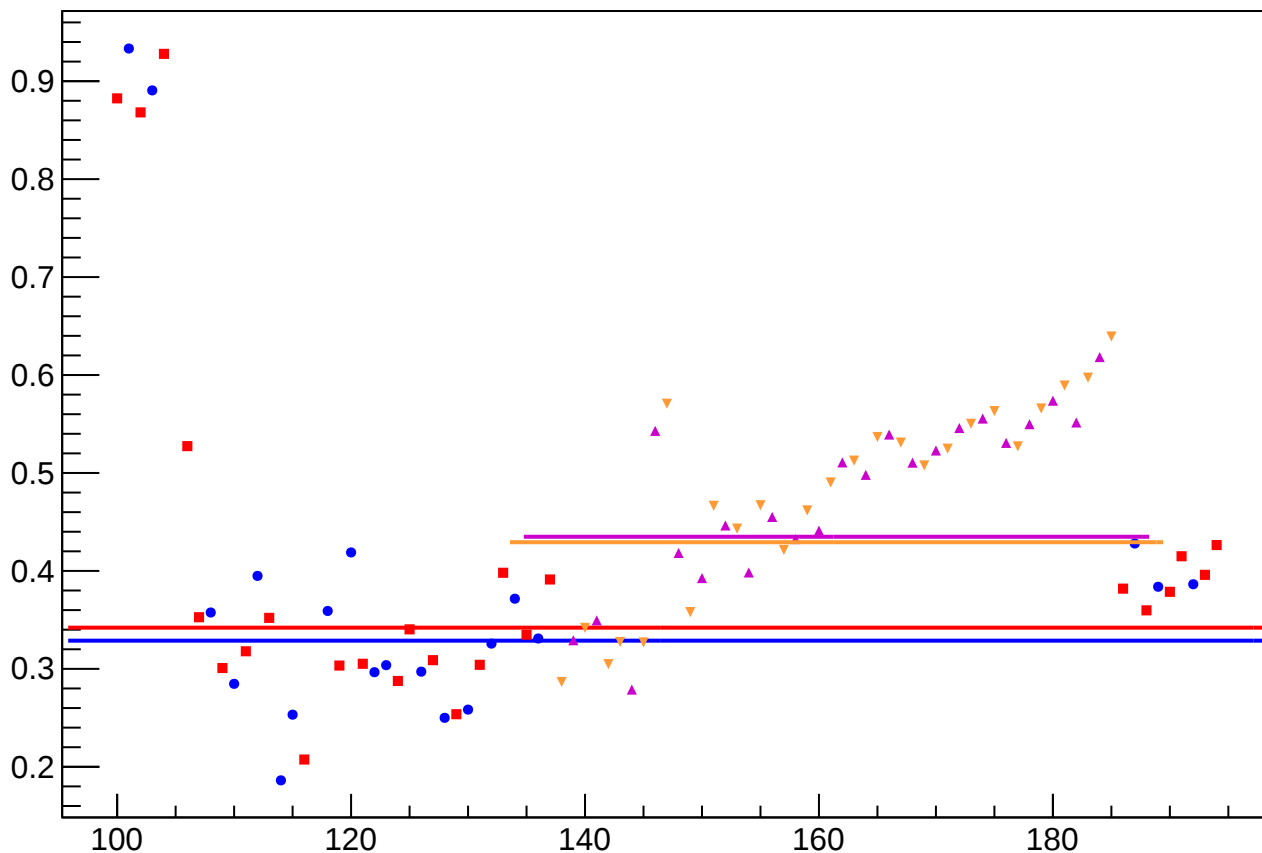
yield_bcm_an_us_mean vs Slug



Right In: 144.034 ± 0.000 χ^2/NDF : 3663911746.4/19
 Left Out: 147.912 ± 0.000 χ^2/NDF : 64463426.1/24
 Right Out: 142.383 ± 0.000 χ^2/NDF : 7696257312.9/24
 Left In: 147.483 ± 0.000 χ^2/NDF : 342674720.4/22

+ sign 146.310 ± 0.000 χ^2/NDF : 4298911704.6/44
 All: 145.668 ± 0.000 χ^2/NDF : 13521792623.
 - sign 145.052 ± 0.000 χ^2/NDF : 9096620406.9/47

yield_bcm_an_us_rms vs Slug



Right In: 0.329 ± 0.000 χ^2/NDF : 1373310.0/19

Left Out: 0.429 ± 0.000 χ^2/NDF : 1891709.3/24

Right Out: 0.342 ± 0.000 χ^2/NDF : 1382876.4/24

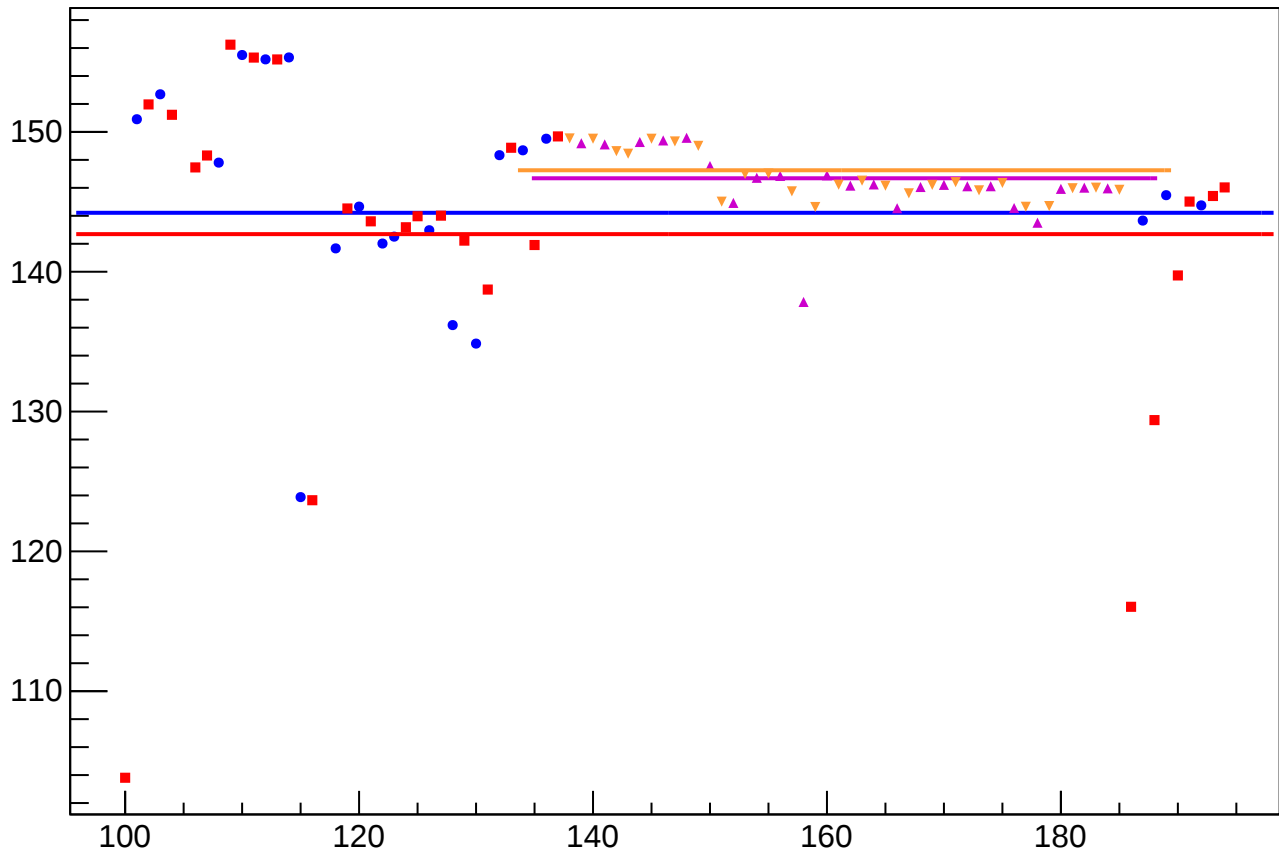
Left In: 0.435 ± 0.000 χ^2/NDF : 1485915.1/22

+ sign 0.388 ± 0.000 χ^2/NDF : 4031695.2/44

All: 0.389 ± 0.000 χ^2/NDF : 7602124.3/92

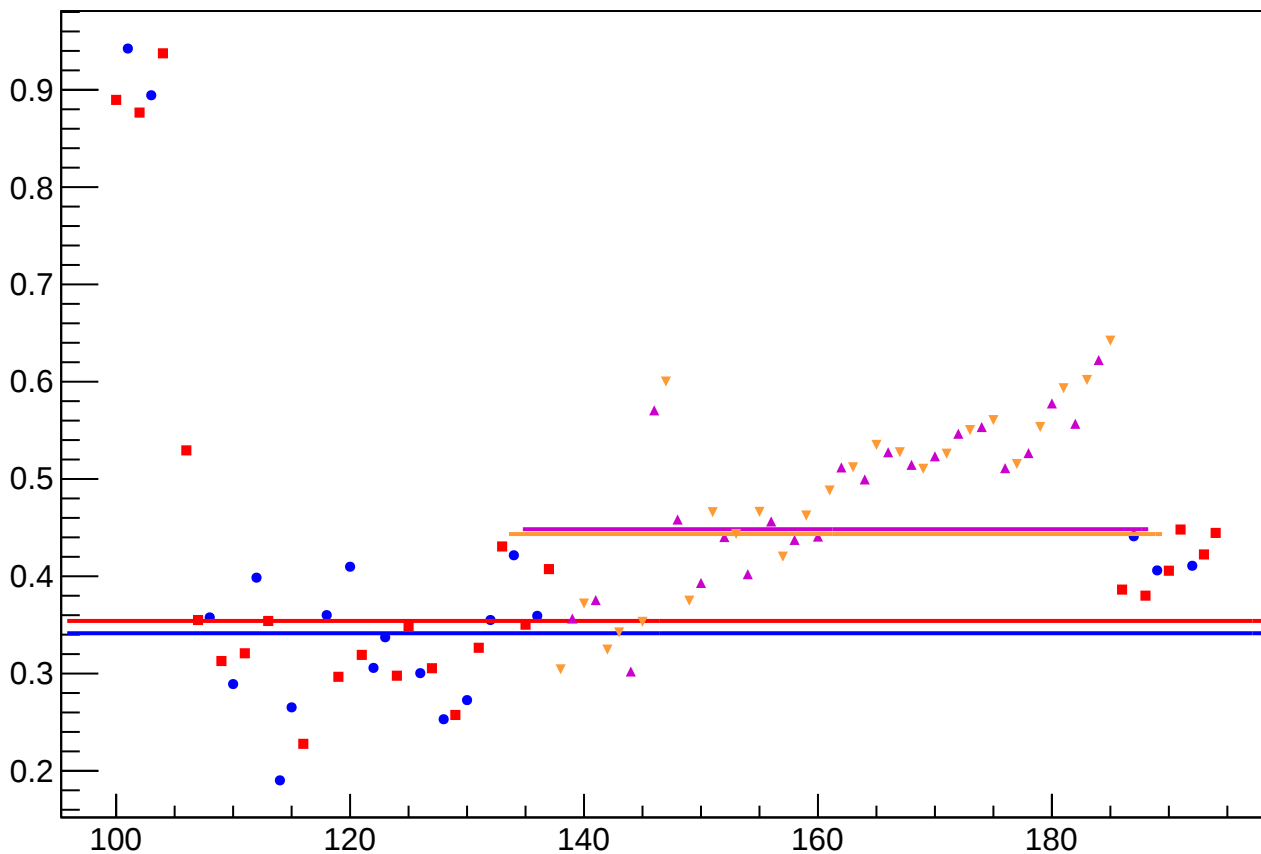
- sign 0.391 ± 0.000 χ^2/NDF : 3569115.9/47

yield_bcm_dg_us_mean vs Slug



Right In: 144.216 $\pm$ 0.000	χ^2 /NDF: 3166865632.1/19	+ sign 146.019 $\pm$ 0.000	χ^2 /NDF: 3756089705.0/44
Left Out: 147.257 $\pm$ 0.000	χ^2 /NDF: 261906278.3/24	All: 145.398 $\pm$ 0.000	χ^2 /NDF: 12038333258.
Right Out: 142.690 $\pm$ 0.000	χ^2 /NDF: 7006952245.2/24	- sign 144.803 $\pm$ 0.000	χ^2 /NDF: 8171369433.1/47
Left In: 146.685 $\pm$ 0.000	χ^2 /NDF: 554922388.0/22		

yield_bcm_dg_us_rms vs Slug



Right In: 0.341 ± 0.000 χ^2/NDF : 1371714.7/19

Left Out: 0.443 ± 0.000 χ^2/NDF : 1480479.3/24

Right Out: 0.354 ± 0.000 χ^2/NDF : 1375321.6/24

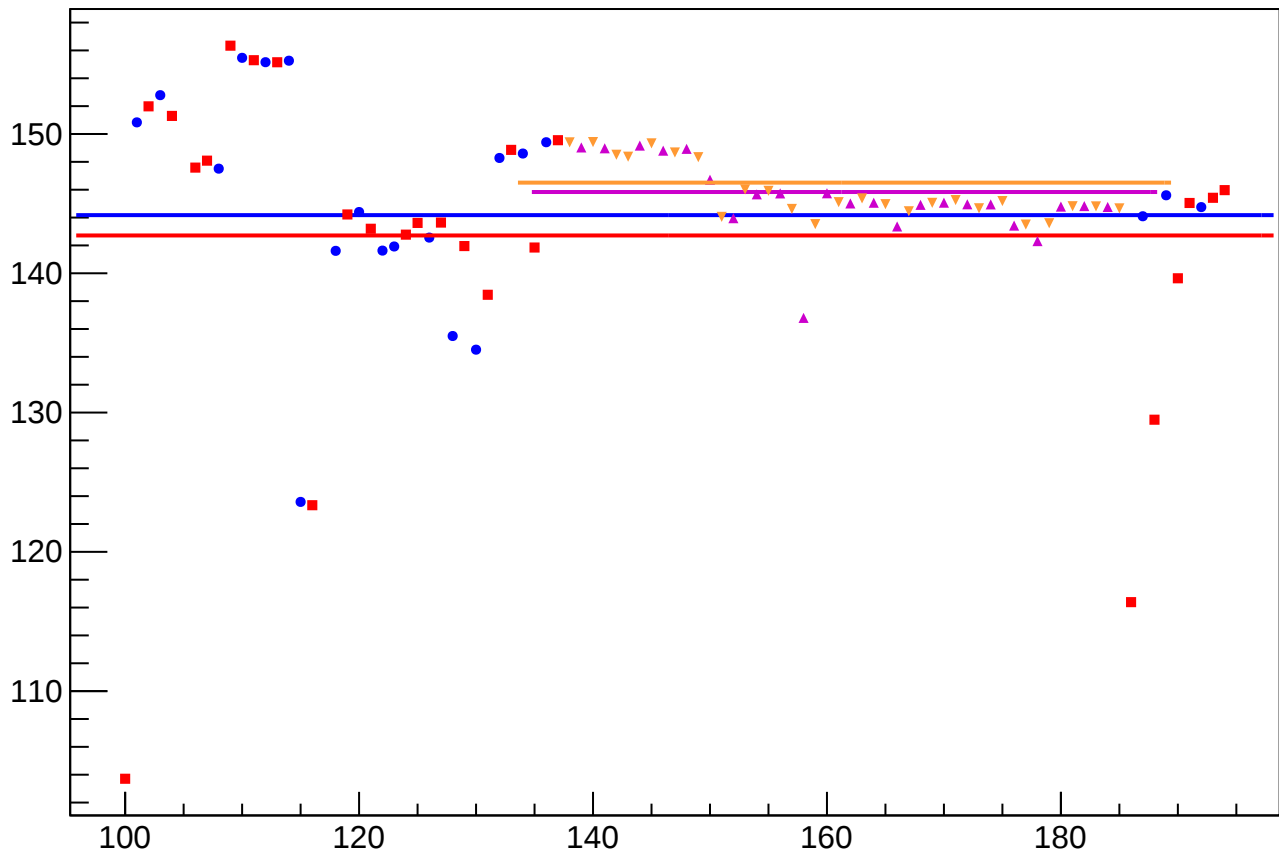
Left In: 0.448 ± 0.000 χ^2/NDF : 1120261.8/22

+ sign 0.402 ± 0.000 χ^2/NDF : 3587642.7/44

All: 0.403 ± 0.000 χ^2/NDF : 6762920.8/92

- sign 0.404 ± 0.000 χ^2/NDF : 3174629.3/47

yield_bcm_dg_ds_mean vs Slug



Right In: 144.175 ± 0.000 χ^2/NDF : 3287176167.2/19

Left Out: 146.508 ± 0.000 χ^2/NDF : 401248837.9/24

Right Out: 142.715 ± 0.000 χ^2/NDF : 6981920956.9/24

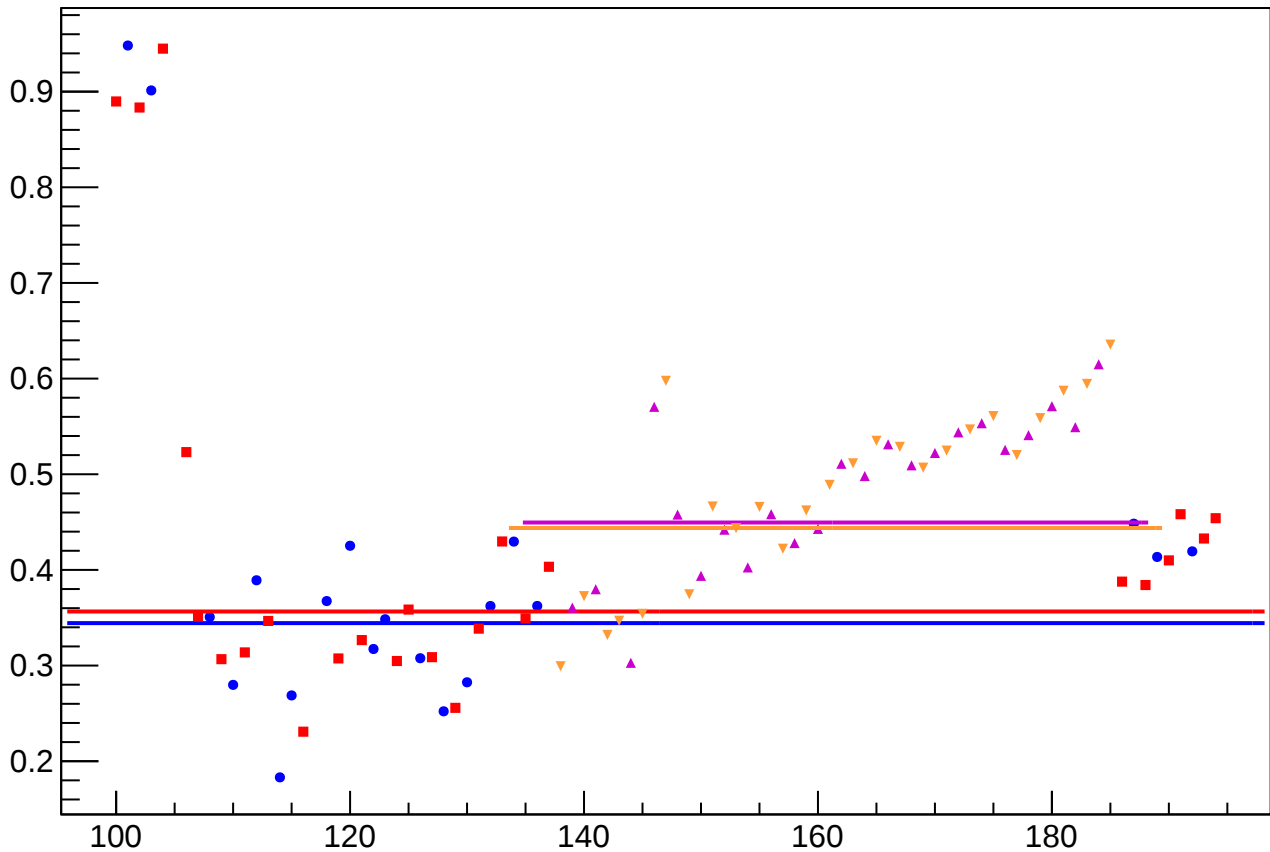
Left In: 145.834 ± 0.000 χ^2/NDF : 690172810.0/22

+ sign 145.569 ± 0.000 χ^2/NDF : 3878484117.0/44

All: 144.959 ± 0.000 χ^2/NDF : 12023789406.

- sign 144.374 ± 0.000 χ^2/NDF : 8039391743.4/47

yield_bcm_dg_ds_rms vs Slug



Right In: 0.344 ± 0.000 $\chi^2/\text{NDF}: 1399154.1/19$

Left Out: 0.444 ± 0.000 $\chi^2/\text{NDF}: 1460383.7/24$

Right Out: 0.357 ± 0.000 $\chi^2/\text{NDF}: 1385956.4/24$

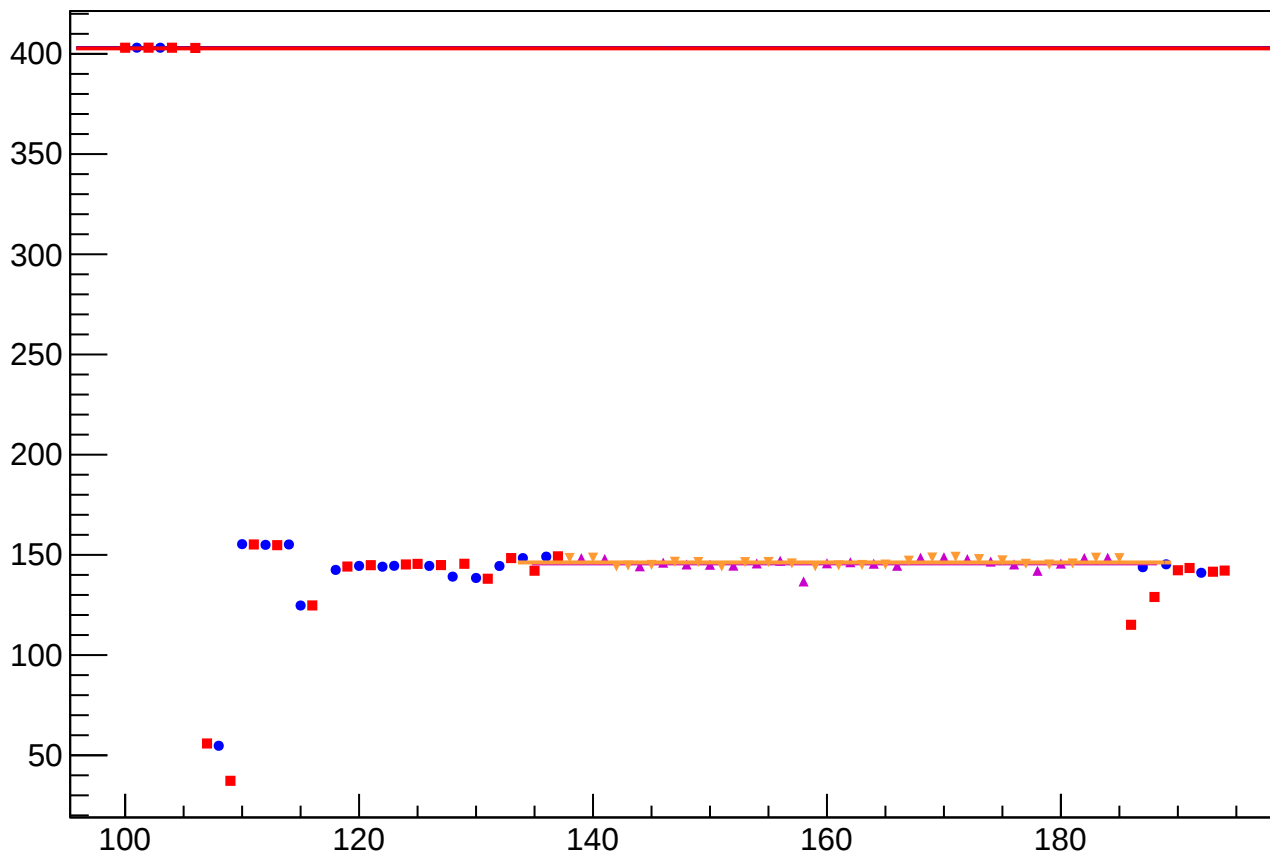
Left In: 0.450 ± 0.000 $\chi^2/\text{NDF}: 1092776.5/22$

+ sign 0.404 ± 0.000 $\chi^2/\text{NDF}: 3549603.2/44$

All: 0.405 ± 0.000 $\chi^2/\text{NDF}: 6682305.4/92$

- sign 0.406 ± 0.000 $\chi^2/\text{NDF}: 3131986.0/47$

yield_cav4bQ_mean vs Slug



Right In: 402.937 $\pm$ 0.000 χ^2 /NDF: 1258827959158.7/19

Left Out: 146.216 $\pm$ 0.000 χ^2 /NDF: 86042286.3/24

Right Out: 402.753 $\pm$ 0.000 χ^2 /NDF: 3537728594084.9/24

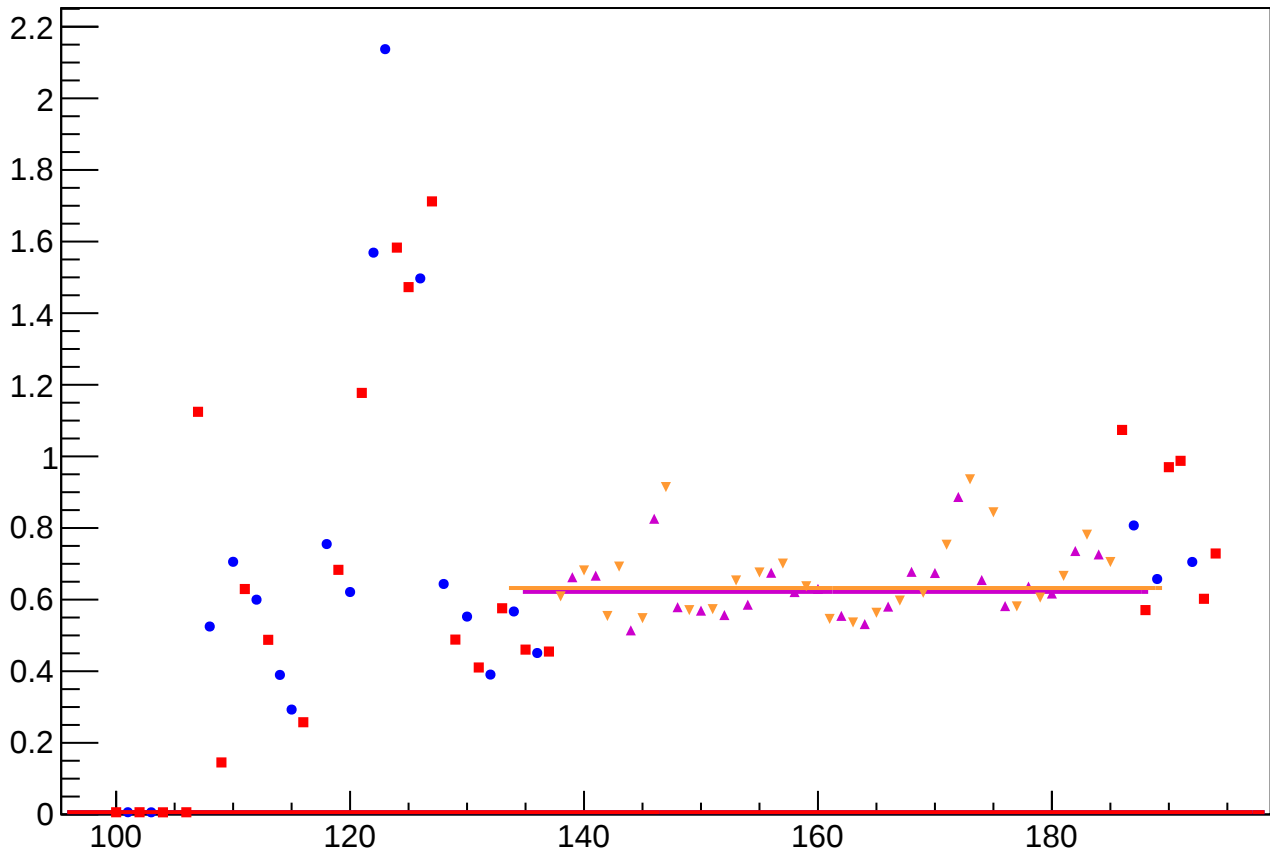
Left In: 145.755 $\pm$ 0.000 χ^2 /NDF: 206171532.0/22

+ sign 402.642 $\pm$ 0.000 χ^2 /NDF: 3619754368198.7

All: 402.564 $\pm$ 0.000 χ^2 /NDF: 94867046535

- sign 402.496 $\pm$ 0.000 χ^2 /NDF: 5866595139451.2

yield_cav4bQ_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 11399425.5/19

Left Out: 0.632 $\pm$ 0.000 χ^2 /NDF:613604.5/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 14697107.1/24

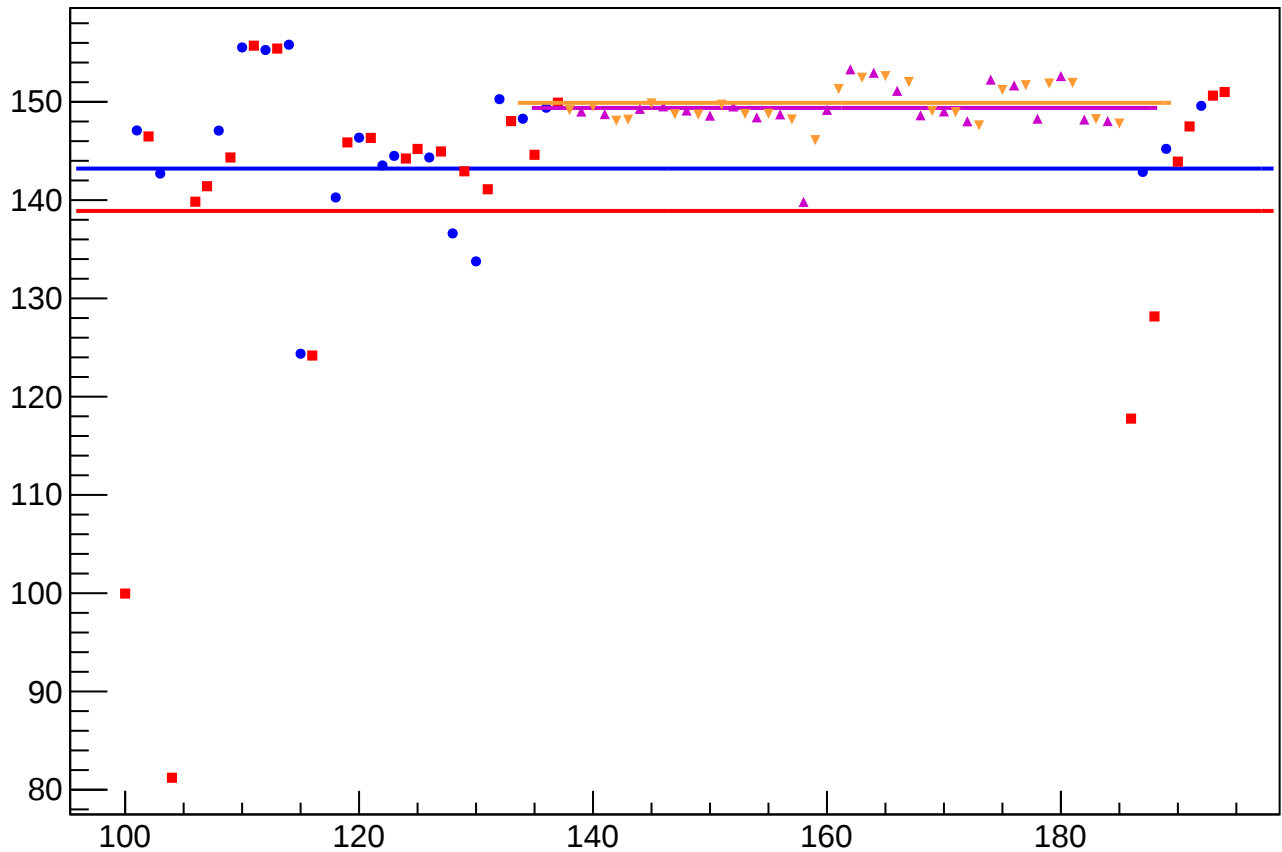
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:399965.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 40089647.1/44

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 81871303.5/92

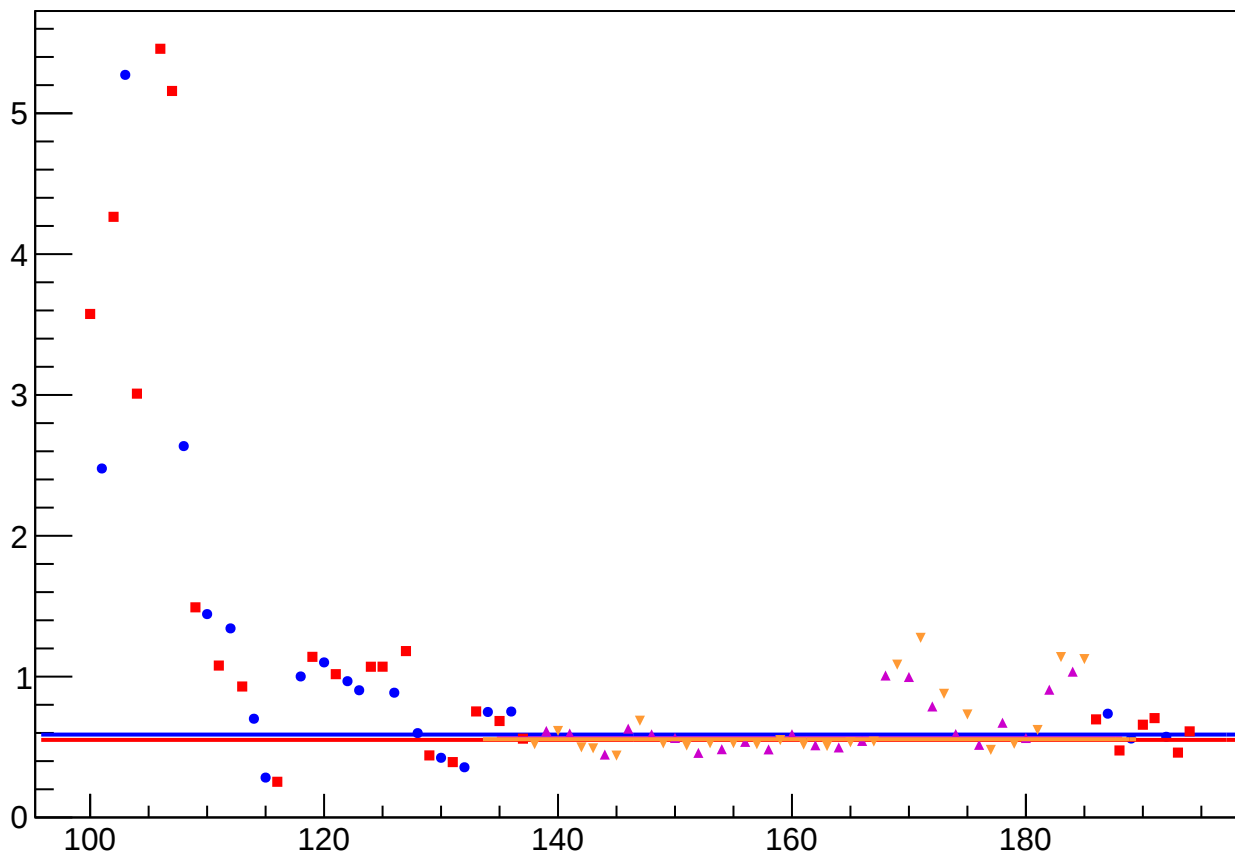
- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 41781554.9/47

yield_cav4cQ_mean vs Slug



Right In: 143.211+/-0.000	χ^2/NDF : 1094348803.5/19	+ sign 148.484+/-0.000	χ^2/NDF : 1737985846.6/44
Left Out: 149.900+/-0.000	χ^2/NDF : 162845622.6/24	All: 147.339+/-0.000	χ^2/NDF : 6610226710.6
Right Out: 138.899+/-0.000	χ^2/NDF : 2719416976.3/24	- sign 146.247+/-0.000	χ^2/NDF : 4707534976.6/47
Left In: 149.382+/-0.000	χ^2/NDF : 434657827.5/22		

yield_cav4cQ_rms vs Slug



Right In: 0.588 $\pm$ 0.000 χ^2 /NDF: 3532105.5/19

Left Out: 0.555 $\pm$ 0.000 χ^2 /NDF:1773688.1/24

Right Out: 0.551 $\pm$ 0.000 χ^2 /NDF: 4809928.0/24

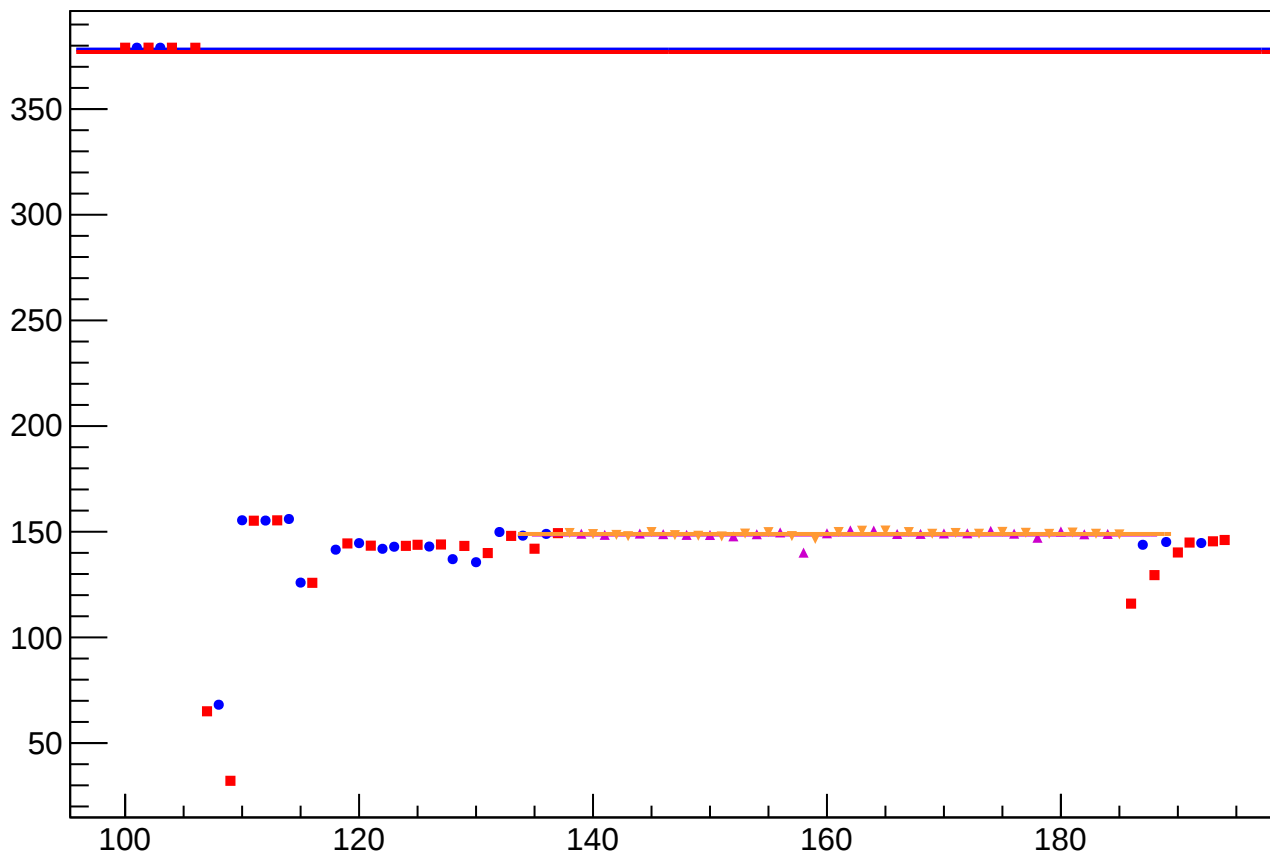
Left In: 0.562 $\pm$ 0.000 χ^2 /NDF:1305573.4/22

+ sign 0.562 $\pm$ 0.000 χ^2 /NDF: 5329207.9/44

All: 0.560 $\pm$ 0.000 χ^2 /NDF: 11449187.4/92

- sign 0.558 $\pm$ 0.000 χ^2 /NDF: 6118926.7/47

yield_cav4dQ_mean vs Slug



Right In: 378.147+/-0.000 χ^2/NDF : 2928619715377.6/19

Left Out: 148.944+/-0.000 χ^2/NDF : 63976941.3/24

Right Out: 377.011+/-0.000 χ^2/NDF : 9292846968660.0/24

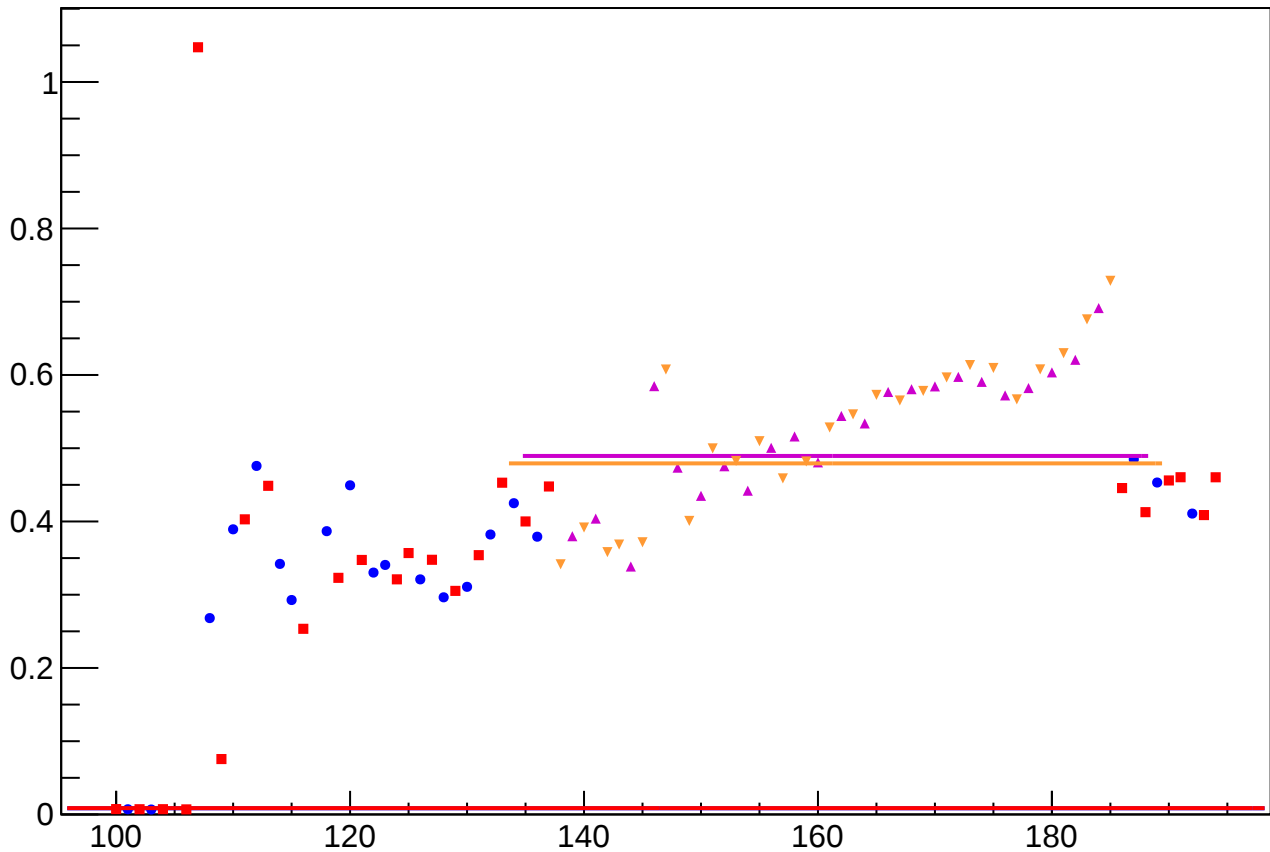
Left In: 148.672+/-0.000 χ^2/NDF : 252846428.3/22

+ sign 376.869+/-0.000 χ^2/NDF : 6831221212148.3

All: 376.400+/-0.000 χ^2/NDF : 196799777704

- sign 375.988+/-0.000 χ^2/NDF : 12843219453599.6

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 12668200.5/19

Left Out: 0.479+/-0.000 χ^2/NDF :1516566.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 15870489.0/24

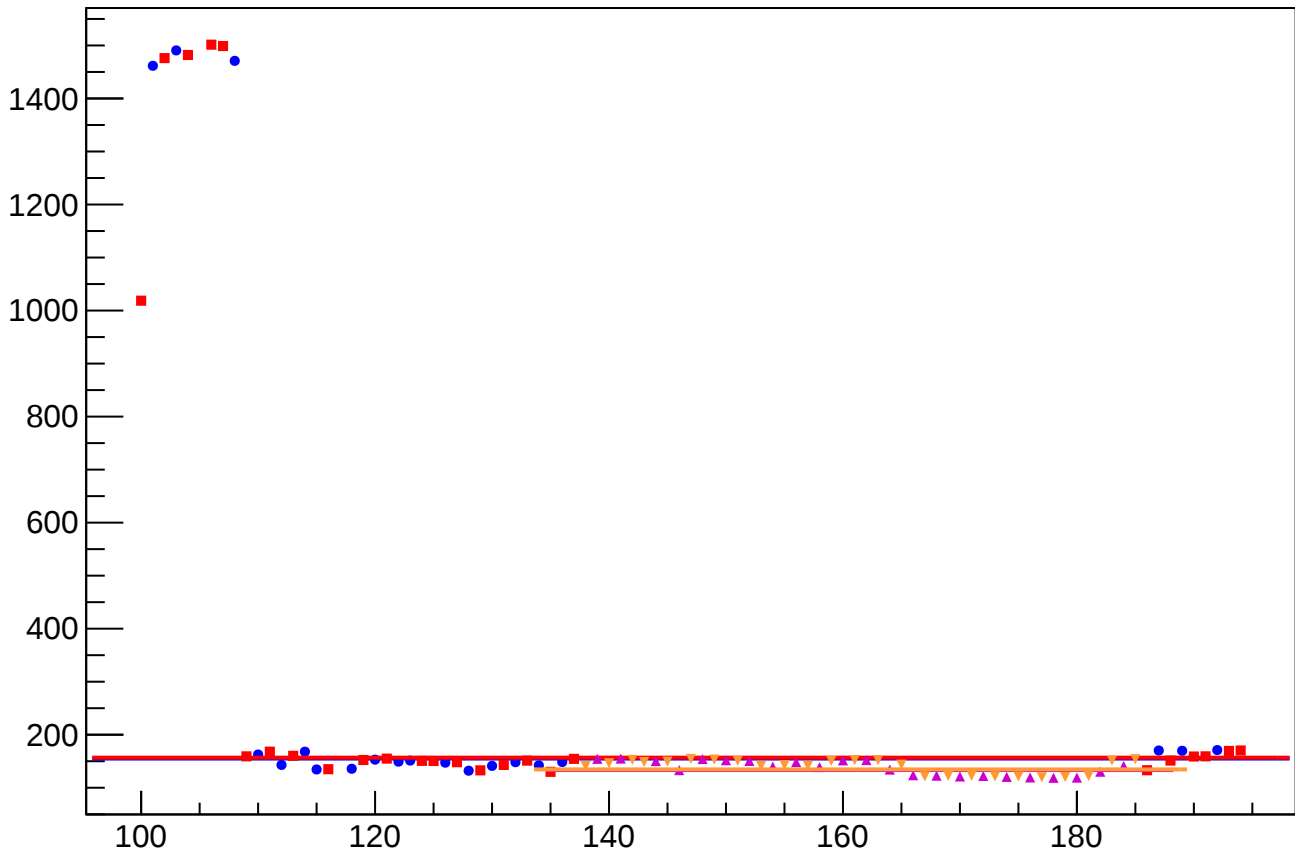
Left In: 0.489+/-0.000 χ^2/NDF :1076134.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 47134526.3/44

All: 0.011+/-0.000 χ^2/NDF : 95566111.2/92

- sign 0.011+/-0.000 χ^2/NDF : 48430971.8/47

yield_bcm0l02_mean vs Slug



Right In: 155.084+/-0.000 χ^2/NDF : 25398585810.8/19

Left Out: 134.554+/-0.000 χ^2/NDF : 4376966869.3/24

Right Out: 156.726+/-0.000 χ^2/NDF : 34617255789.5/24

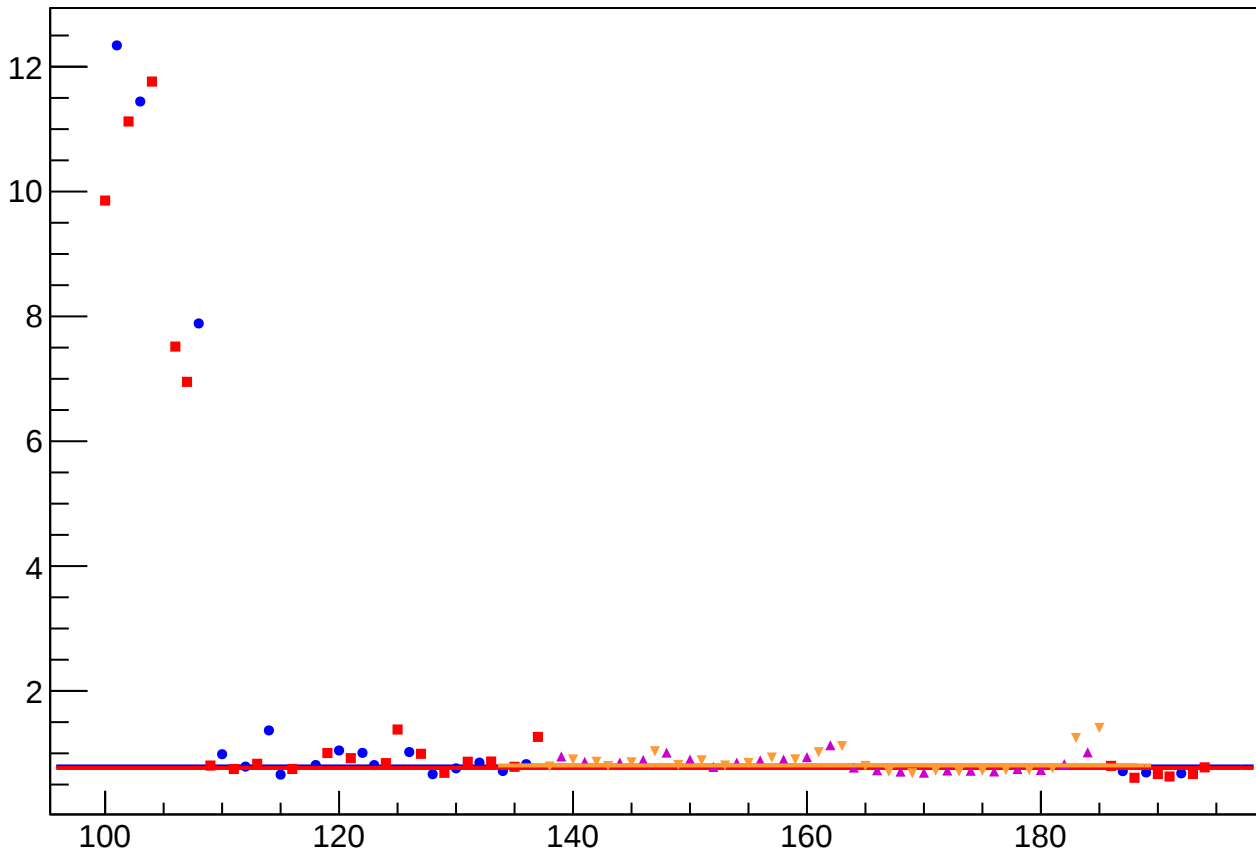
Left In: 133.337+/-0.000 χ^2/NDF : 4303812119.2/22

+ sign 139.820+/-0.000 χ^2/NDF : 32339241289.0/44

All: 140.606+/-0.000 χ^2/NDF : 75550567173.0

- sign 141.333+/-0.000 χ^2/NDF : 43173373614.8/47

yield_bcm0l02_rms vs Slug



Right In: 0.790 ± 0.000 $\chi^2/\text{NDF}: 2753171.5/19$

Left Out: 0.806 ± 0.000 $\chi^2/\text{NDF}: 690578.5/24$

Right Out: 0.766 ± 0.000 $\chi^2/\text{NDF}: 3121270.8/24$

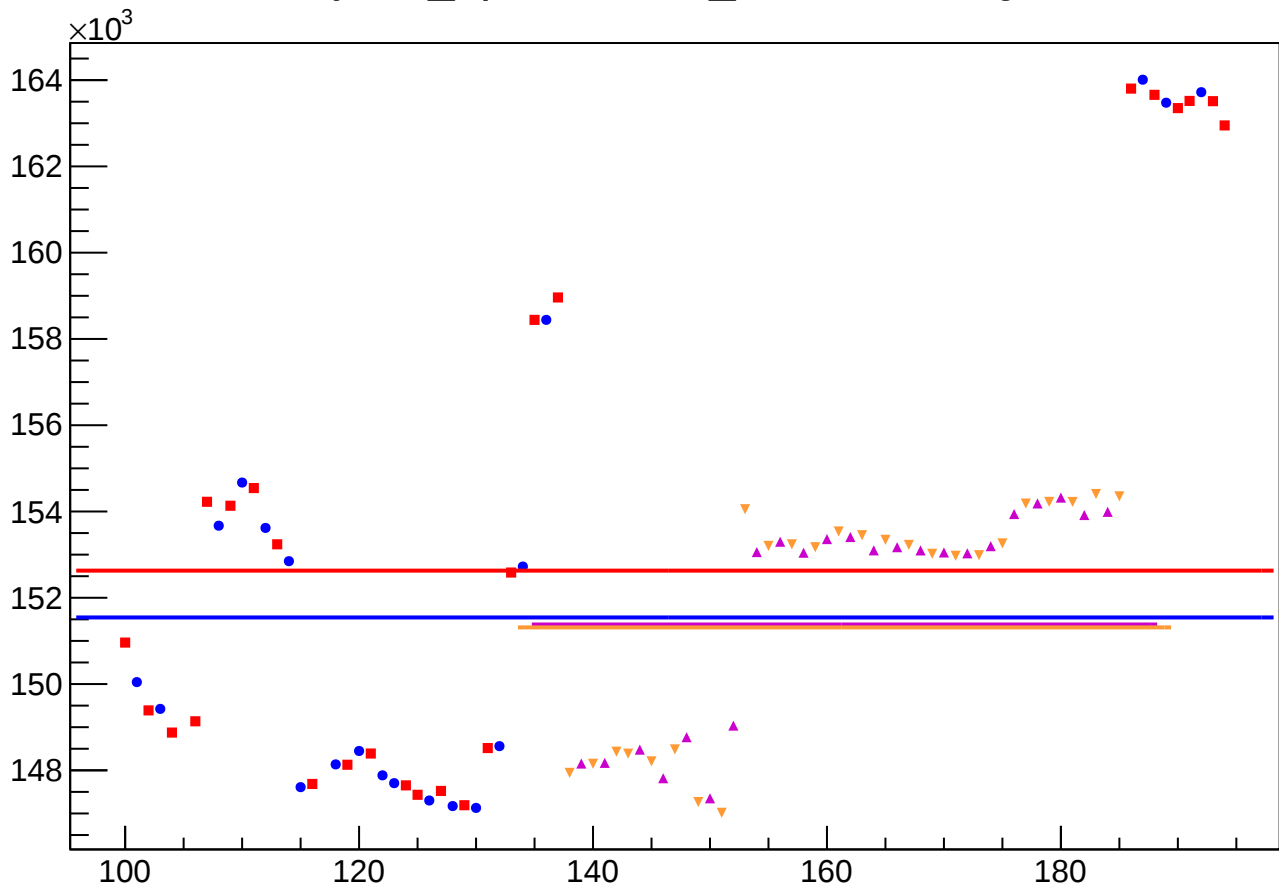
Left In: 0.805 ± 0.000 $\chi^2/\text{NDF}: 480510.8/22$

+ sign 0.802 ± 0.000 $\chi^2/\text{NDF}: 3446833.7/44$

All: 0.797 ± 0.000 $\chi^2/\text{NDF}: 7075913.5/92$

- sign 0.791 ± 0.000 $\chi^2/\text{NDF}: 3625368.5/47$

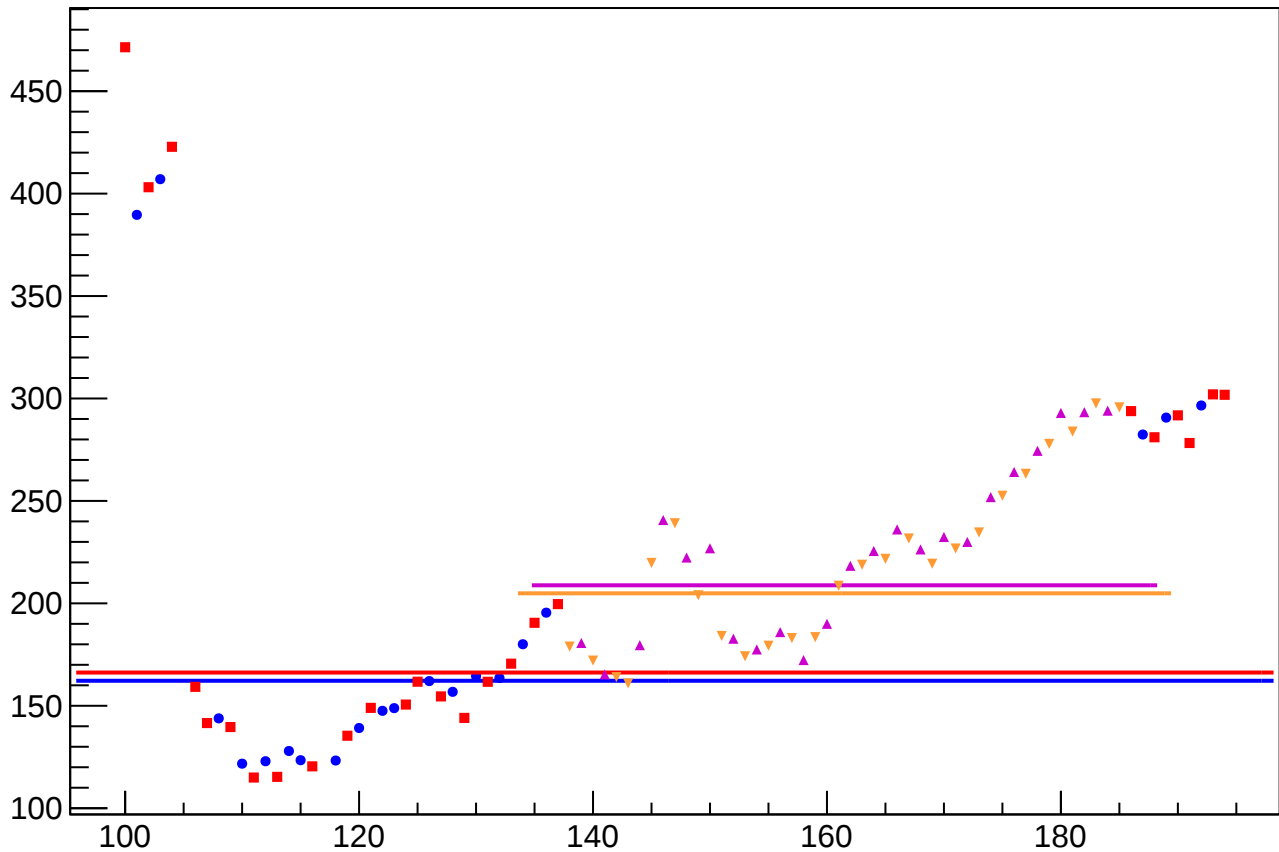
yield_bpm0i01WS_mean vs Slug



Right In: 151543.948 ± 0.061 $\chi^2/\text{NDF}: 6108194370.9/19$
 Left Out: 151313.284 ± 0.049 $\chi^2/\text{NDF}: 3153768134.8/24$
 Right Out: 152629.206 ± 0.056 $\chi^2/\text{NDF}: 8645448338.1/24$
 Left In: 151380.236 ± 0.051 $\chi^2/\text{NDF}: 2363895785.3/22$

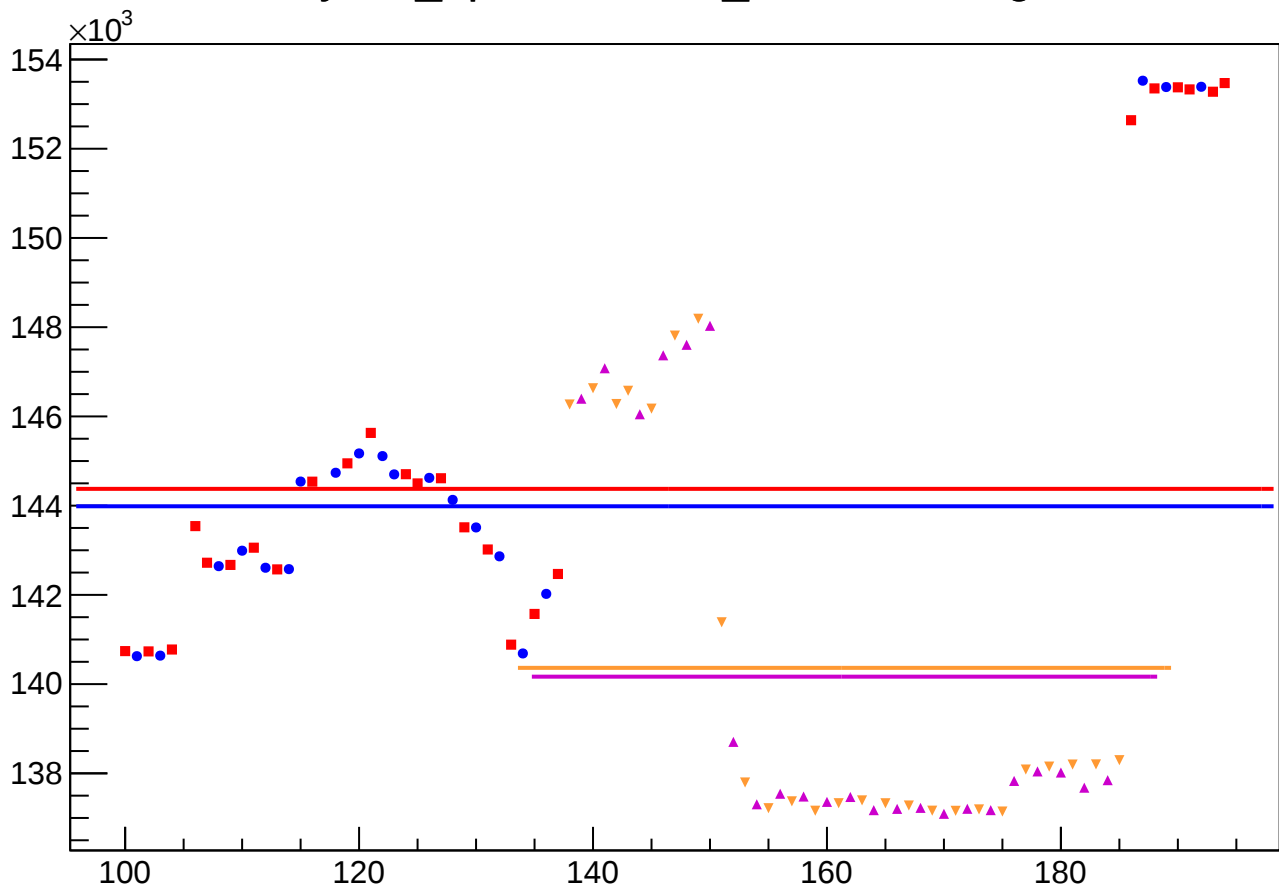
+ sign 151403.095 ± 0.038 $\chi^2/\text{NDF}: 9270702985.0$
 - sign 151950.341 ± 0.038 $\chi^2/\text{NDF}: 11281081166.0$
 All: 151678.914 ± 0.027 $\chi^2/\text{NDF}: 20656075$

yield_bpm0i01WS_rms vs Slug



Right In: 162.210 $\pm$ 0.043 χ^2 /NDF: 1810118.5/19 + sign 188.278 $\pm$ 0.027 χ^2 /NDF: 3465259.2/44
 Left Out: 204.900 $\pm$ 0.034 χ^2 /NDF:1056380.8/24 All: 188.832 $\pm$ 0.019 χ^2 /NDF: 7749081.3/92
 Right Out: 166.236 $\pm$ 0.039 χ^2 /NDF: 2649466.8/24 - sign 189.378 $\pm$ 0.027 χ^2 /NDF: 4282979.4/47
 Left In: 208.813 $\pm$ 0.036 χ^2 /NDF:1001936.6/22

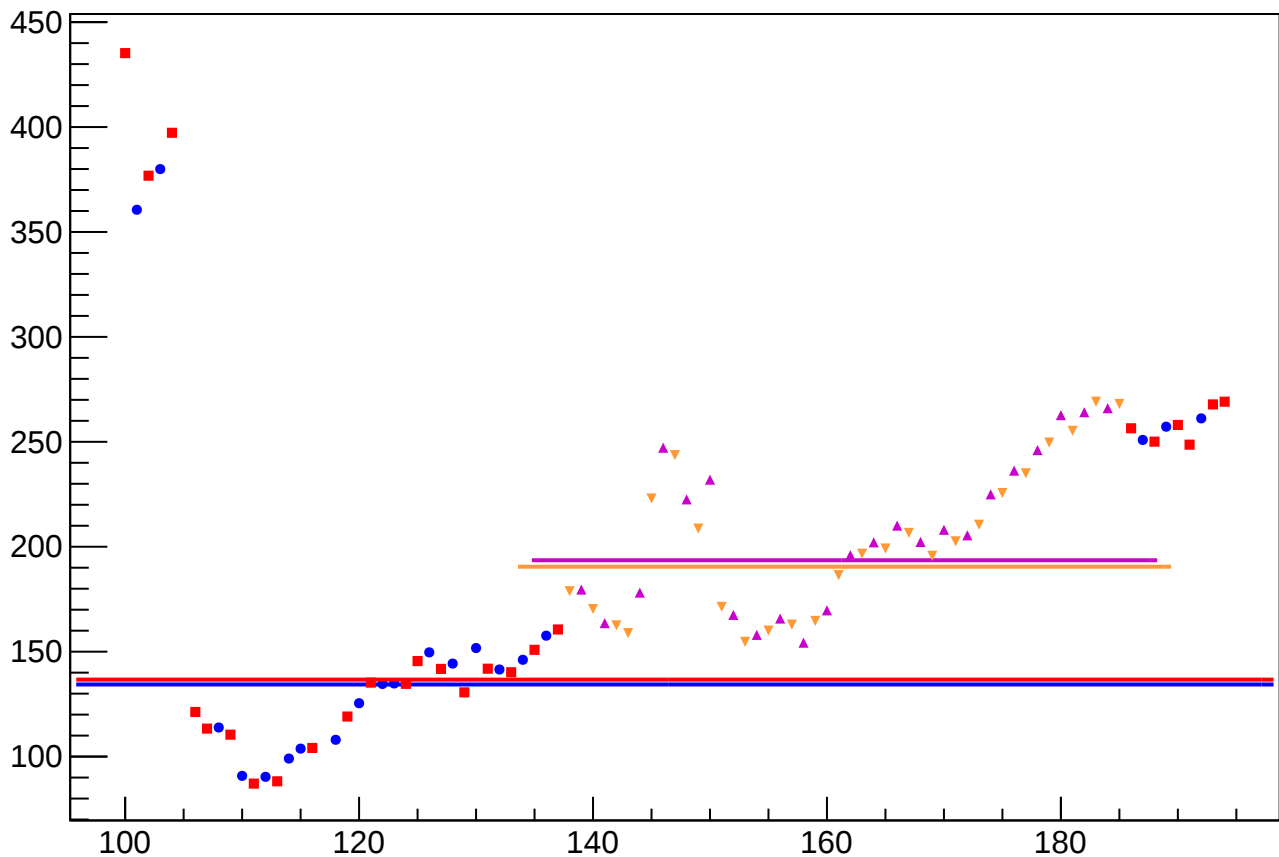
yield_bpm0i01aWS_mean vs Slug



Right In: 143985.956 $\pm$ 0.051 χ^2 /NDF: 2677038167.3/19
 Left Out: 140364.444 $\pm$ 0.045 χ^2 /NDF: 8677078677.7/24
 Right Out: 144376.489 $\pm$ 0.046 χ^2 /NDF: 5140324673.2/24
 Left In: 140166.971 $\pm$ 0.047 χ^2 /NDF: 8028464654.6/22

+ sign 141951.815 $\pm$ 0.034 χ^2 /NDF: 14165663555.
 All: 142140.424 $\pm$ 0.024 χ^2 /NDF: 314224079
 - sign 142320.973 $\pm$ 0.033 χ^2 /NDF: 17196118402.4

yield_bpm0i01aWS_rms vs Slug



Right In: 134.362 +/- 0.036 χ^2/NDF : 2196565.6/19

Left Out: 190.486 +/- 0.032 χ^2/NDF : 950233.2/24

Right Out: 136.673 +/- 0.033 χ^2/NDF : 3184100.0/24

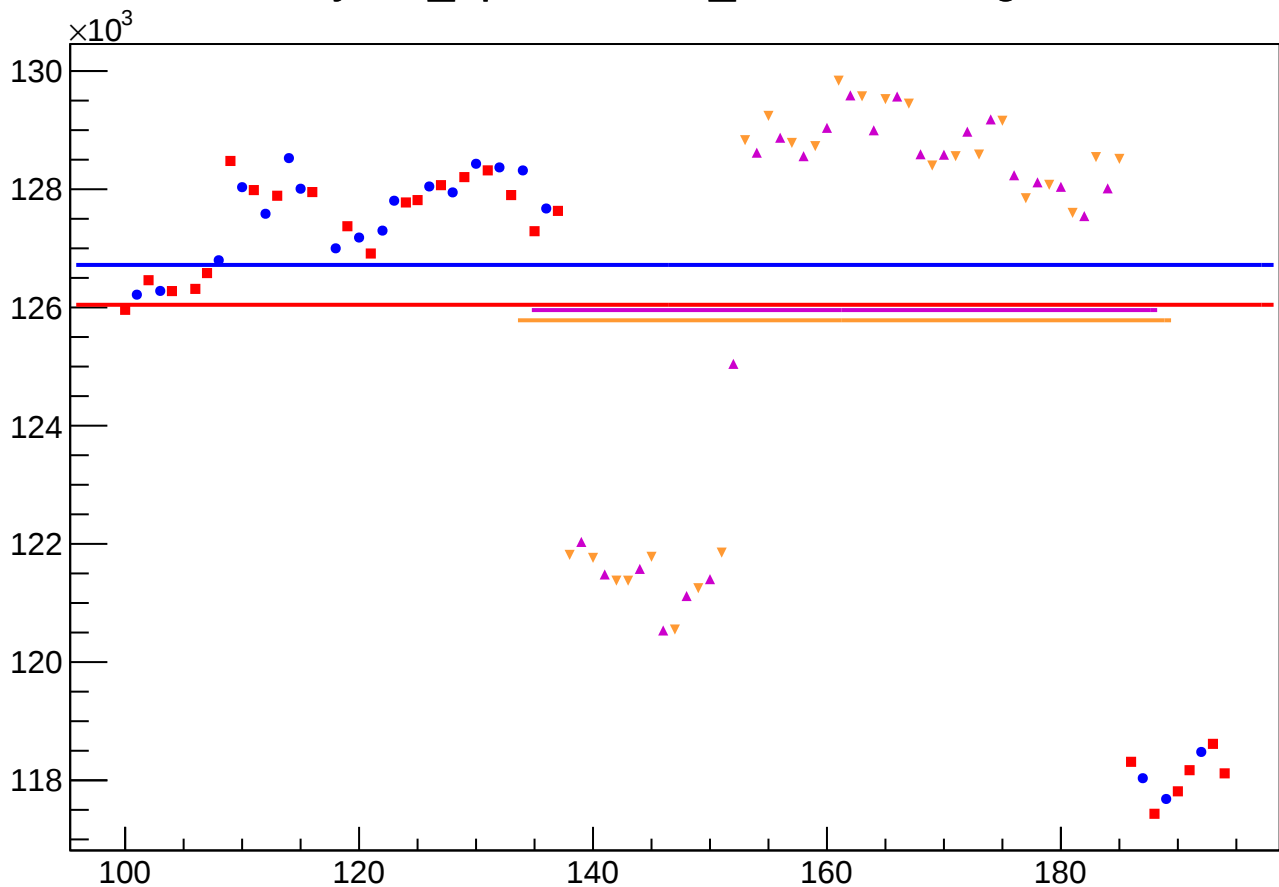
Left In: 193.558 +/- 0.034 χ^2/NDF : 963675.0/22

+ sign 165.886 +/- 0.024 χ^2/NDF : 4497289.3/44

All: 165.152 +/- 0.017 χ^2/NDF : 10117777.3/92

- sign 164.450 +/- 0.023 χ^2/NDF : 5618654.4/47

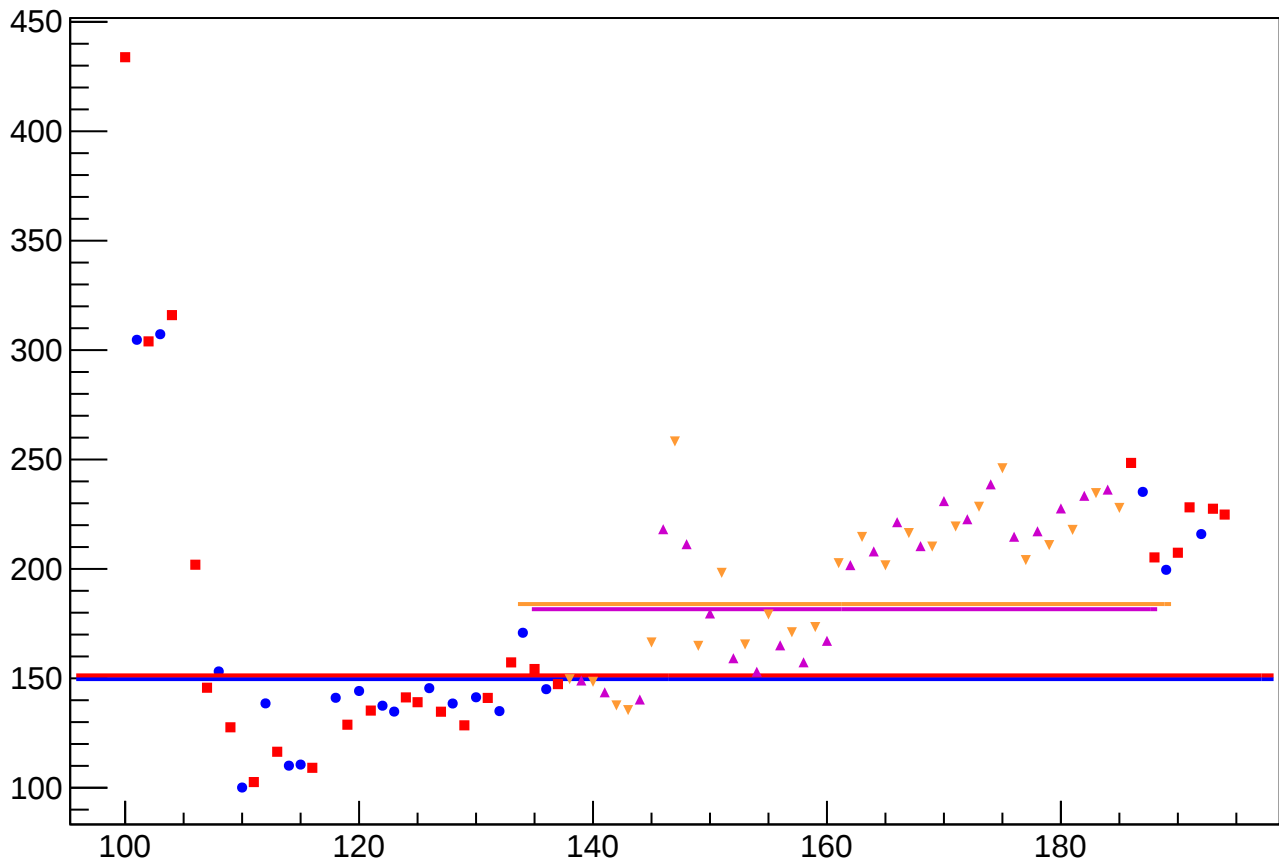
yield_bpm0l01WS_mean vs Slug



Right In: 126719.709 ± 0.055 $\chi^2/\text{NDF}: 2878635359.3/19$
 Left Out: 125782.764 ± 0.044 $\chi^2/\text{NDF}: 6729761889.8/24$
 Right Out: 126045.288 ± 0.050 $\chi^2/\text{NDF}: 5613470925.3/24$
 Left In: 125955.637 ± 0.045 $\chi^2/\text{NDF}: 5804088930.1/22$

+ sign 126147.695 ± 0.034 $\chi^2/\text{NDF}: 9784981355.9$
 All: 126069.269 ± 0.024 $\chi^2/\text{NDF}: 212144096$
 - sign 125995.905 ± 0.033 $\chi^2/\text{NDF}: 11419358055.6$

yield_bpm0l01WS_rms vs Slug



Right In: 149.654+/-0.039 χ^2/NDF : 1134363.6/19

Left Out: 183.947+/-0.031 χ^2/NDF :1123194.0/24

Right Out: 151.350+/-0.035 χ^2/NDF : 1777051.5/24

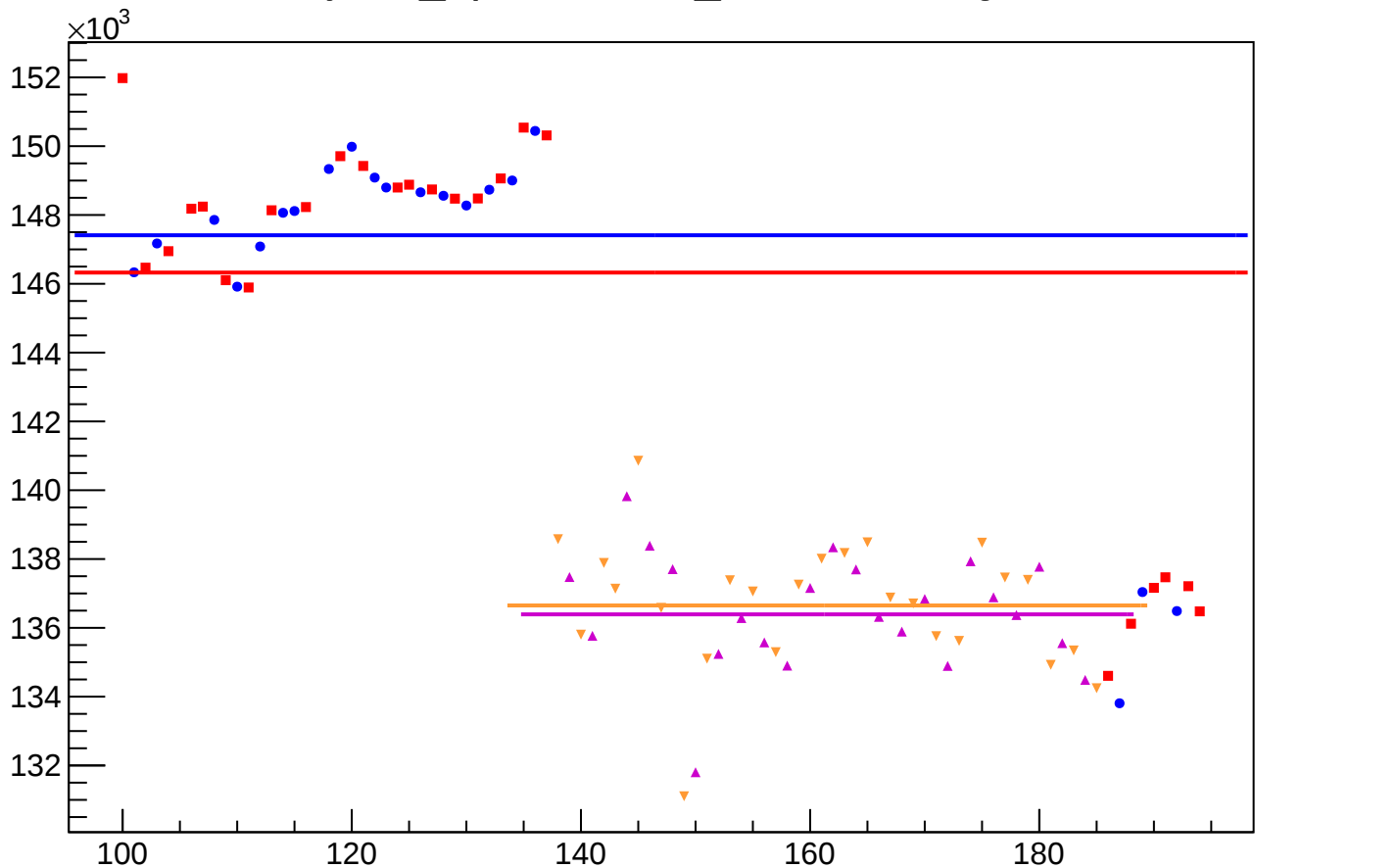
Left In: 181.596+/-0.032 χ^2/NDF :1103524.3/22

+ sign 170.590+/-0.024 χ^2/NDF : 2730650.3/44

All: 169.257+/-0.017 χ^2/NDF : 6026396.2/92

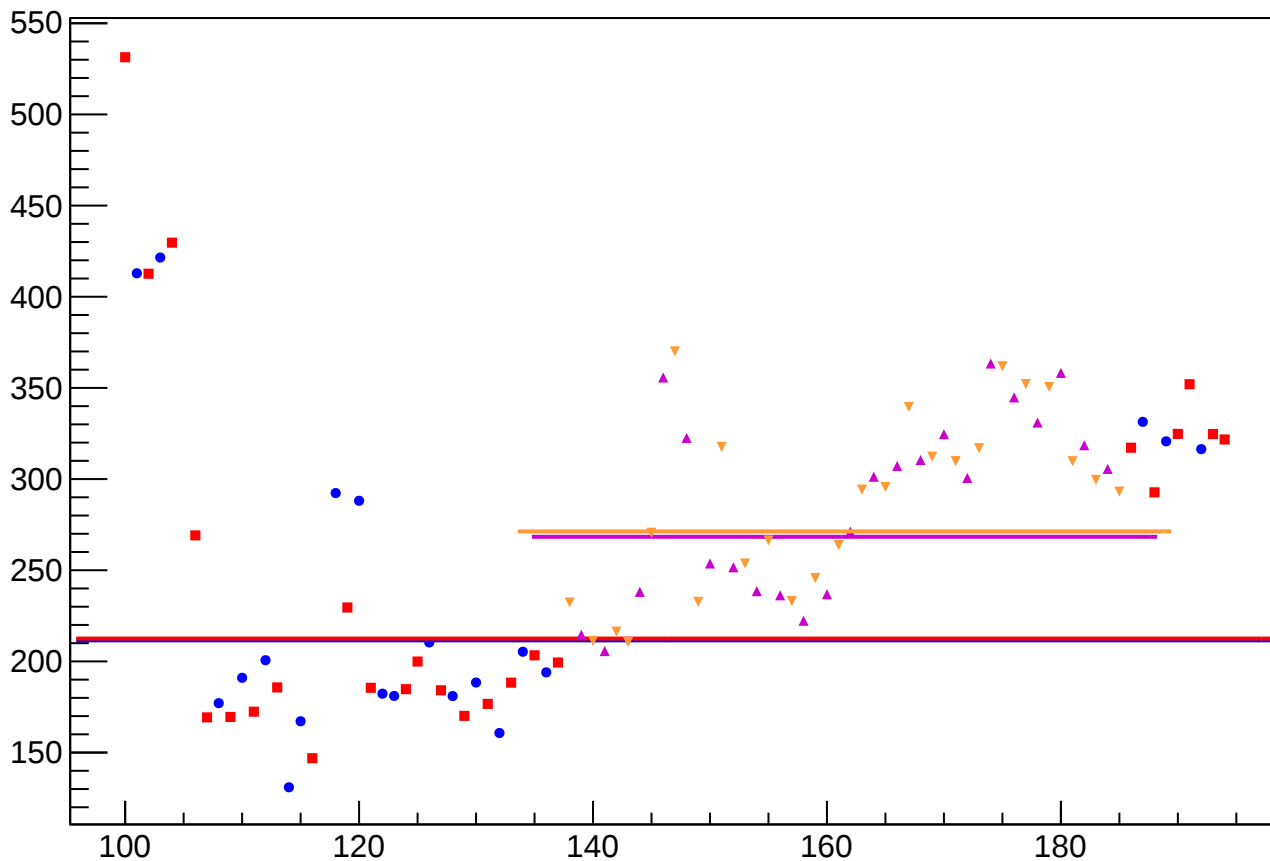
- sign 168.010+/-0.024 χ^2/NDF : 3289928.5/47

yield_bpm0l02WS_mean vs Slug



Right In: 147410.911 $\pm$ 0.078 χ^2/NDF : 2223550673.6/19
 Left Out: 136650.935 $\pm$ 0.065 χ^2/NDF : 930649595.5/24
 Right Out: 146326.344 $\pm$ 0.070 χ^2/NDF : 4313337231.1/24
 Left In: 136392.188 $\pm$ 0.066 χ^2/NDF : 701986841.4/22

yield_bpm0l02WS_rms vs Slug



Right In: 211.532+/-0.055 χ^2/NDF : 1319447.9/19

Left Out: 271.295+/-0.046 χ^2/NDF :1064485.7/24

Right Out: 212.527+/-0.049 χ^2/NDF : 1727484.3/24

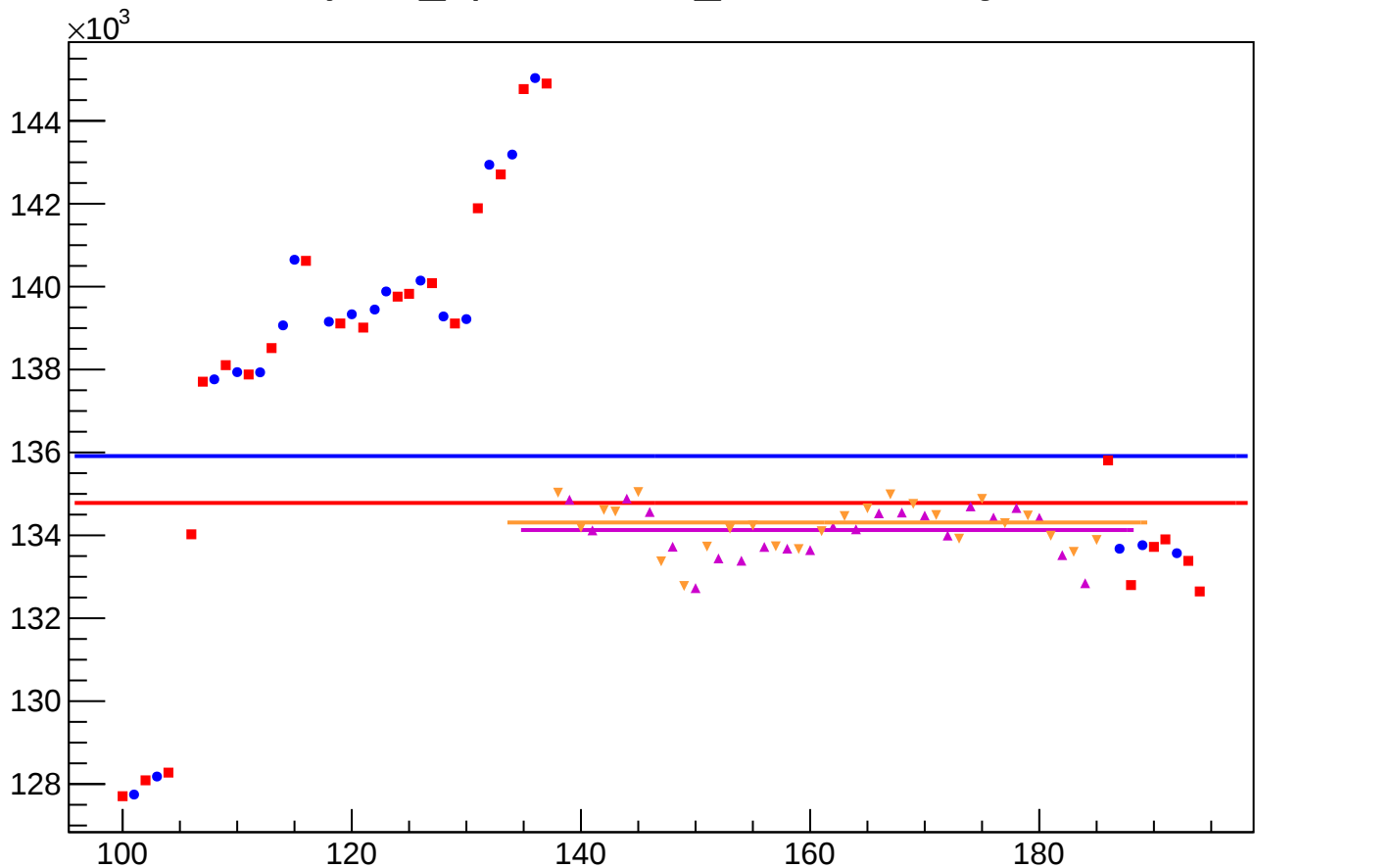
Left In: 268.344+/-0.047 χ^2/NDF :1077364.0/22

+ sign 247.108+/-0.035 χ^2/NDF : 3076125.0/44

All: 244.459+/-0.024 χ^2/NDF : 6567367.1/92

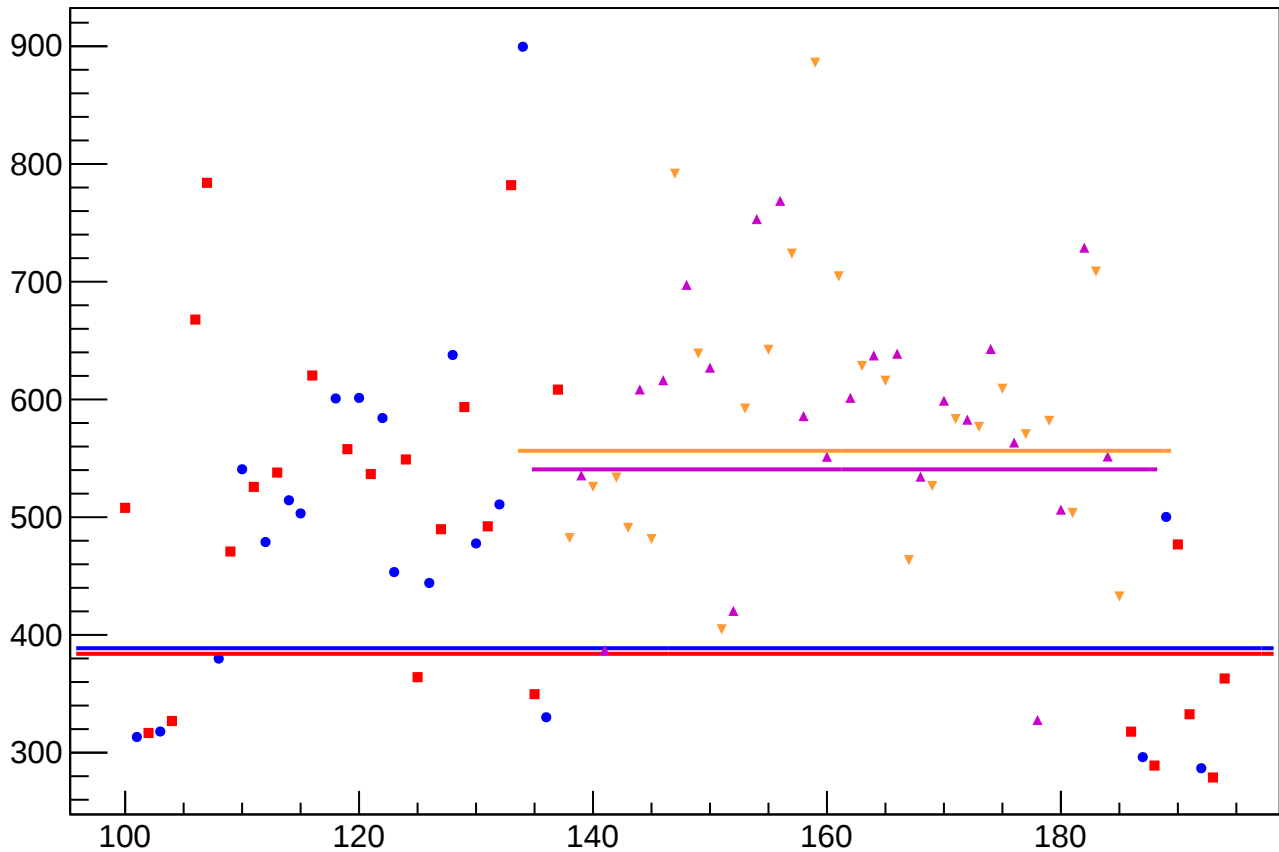
- sign 242.010+/-0.034 χ^2/NDF : 3480377.0/47

yield_bpm0l03WS_mean vs Slug



Right In: 135912.493 ± 0.151 $\chi^2/\text{NDF}: 1562232912.6/19$
 Left Out: 134310.250 ± 0.139 $\chi^2/\text{NDF}: 15518632.9/24$ + sign 135043.269 ± 0.102 $\chi^2/\text{NDF}: 1638929062.3$
 Right Out: 134781.712 ± 0.134 $\chi^2/\text{NDF}: 1194532988.8/24$ All: 134745.410 ± 0.071 $\chi^2/\text{NDF}: 287648505$
 Left In: 134128.172 ± 0.142 $\chi^2/\text{NDF}: 15533736.2/22$ - sign 134473.452 ± 0.098 $\chi^2/\text{NDF}: 1221259604.6/$

yield_bpm0l03WS_rms vs Slug



Right In: 388.704 $\pm$ 0.107 χ^2 /NDF: 1068223.6/19

Left Out: 556.381 $\pm$ 0.098 χ^2 /NDF:1002064.0/24

Right Out: 383.959 $\pm$ 0.095 χ^2 /NDF: 1492176.1/24

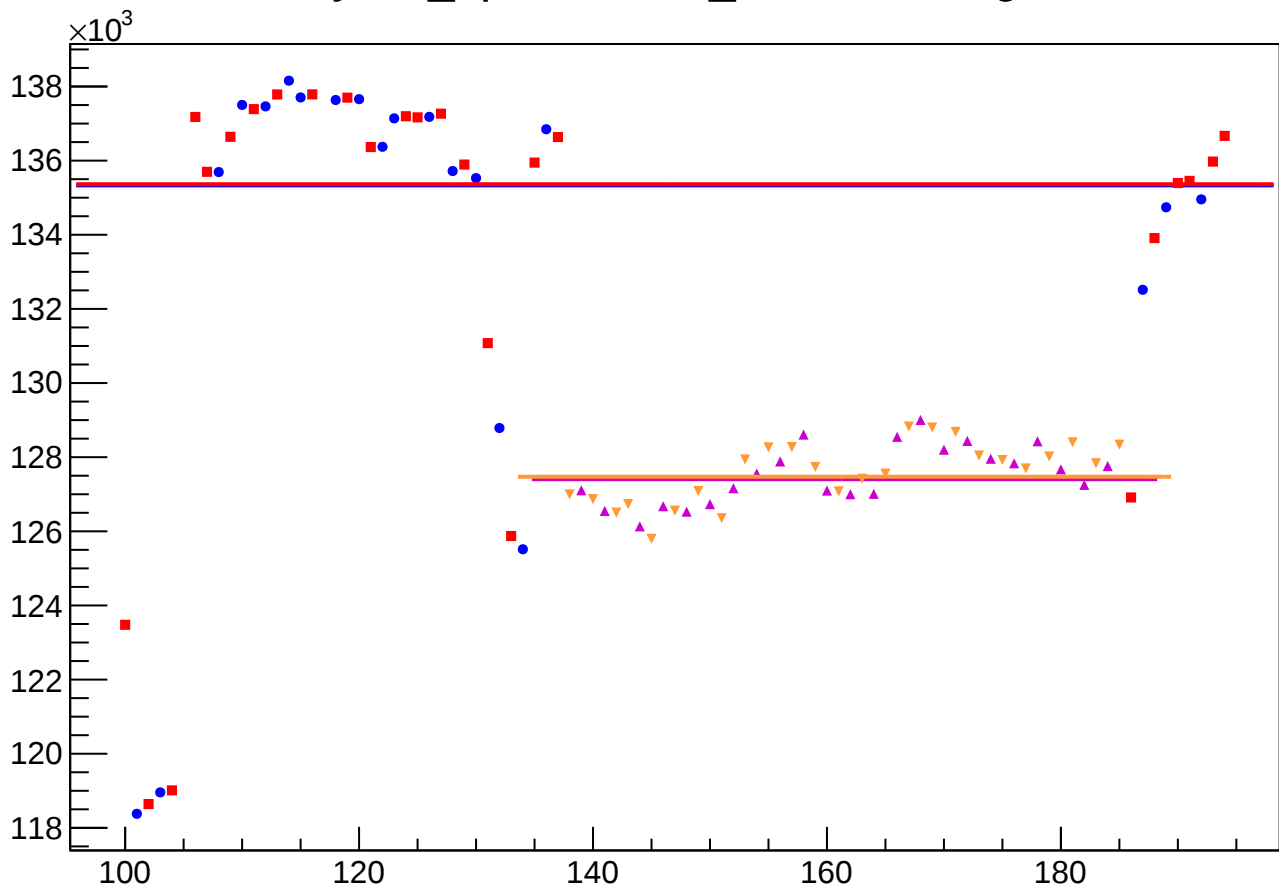
Left In: 540.607 $\pm$ 0.100 χ^2 /NDF:1409015.2/22

+ sign 479.670 $\pm$ 0.072 χ^2 /NDF: 3410314.7/44

All: 468.262 $\pm$ 0.050 χ^2 /NDF: 7645432.3/92

- sign 457.846 $\pm$ 0.069 χ^2 /NDF: 4187308.2/47

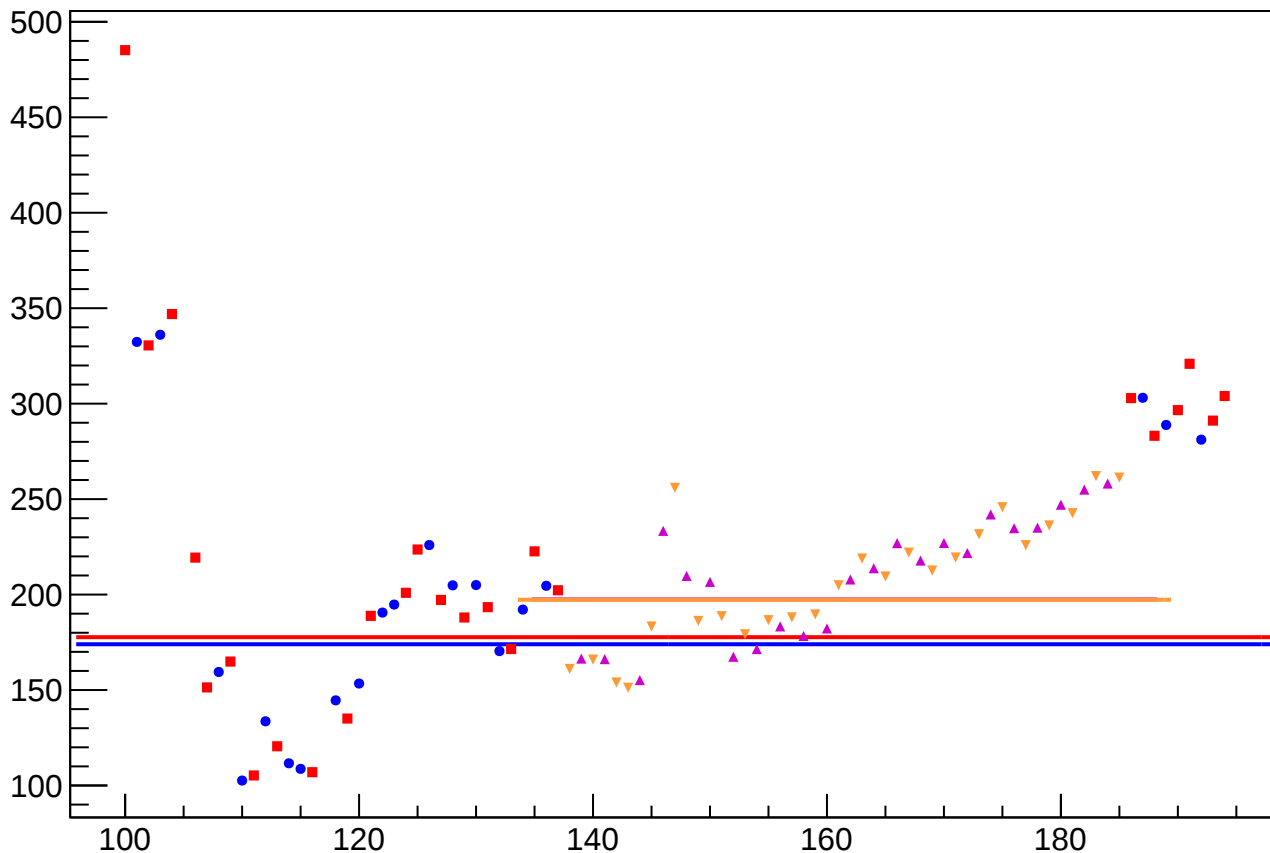
yield_bpm0l04WS_mean vs Slug



Right In: 135332.601 ± 0.066 $\chi^2/\text{NDF}: 4595081849.8/19$
 Left Out: 127472.525 ± 0.047 $\chi^2/\text{NDF}: 303609315.6/24$
 Right Out: 135364.035 ± 0.060 $\chi^2/\text{NDF}: 5070997548.0/24$
 Left In: 127406.911 ± 0.048 $\chi^2/\text{NDF}: 269927988.0/22$

+ sign 130130.474 ± 0.038 $\chi^2/\text{NDF}: 14414533933.3/24$
 All: 130345.256 ± 0.027 $\chi^2/\text{NDF}: 305250963.3/24$
 - sign 130554.242 ± 0.038 $\chi^2/\text{NDF}: 16047923195.3/24$

yield_bpm0l04WS_rms vs Slug



Right In: 173.984 $\pm$ 0.046 χ^2 /NDF: 1734021.7/19

Left Out: 197.289 $\pm$ 0.033 χ^2 /NDF: 852024.1/24

Right Out: 177.687 $\pm$ 0.042 χ^2 /NDF: 2631657.1/24

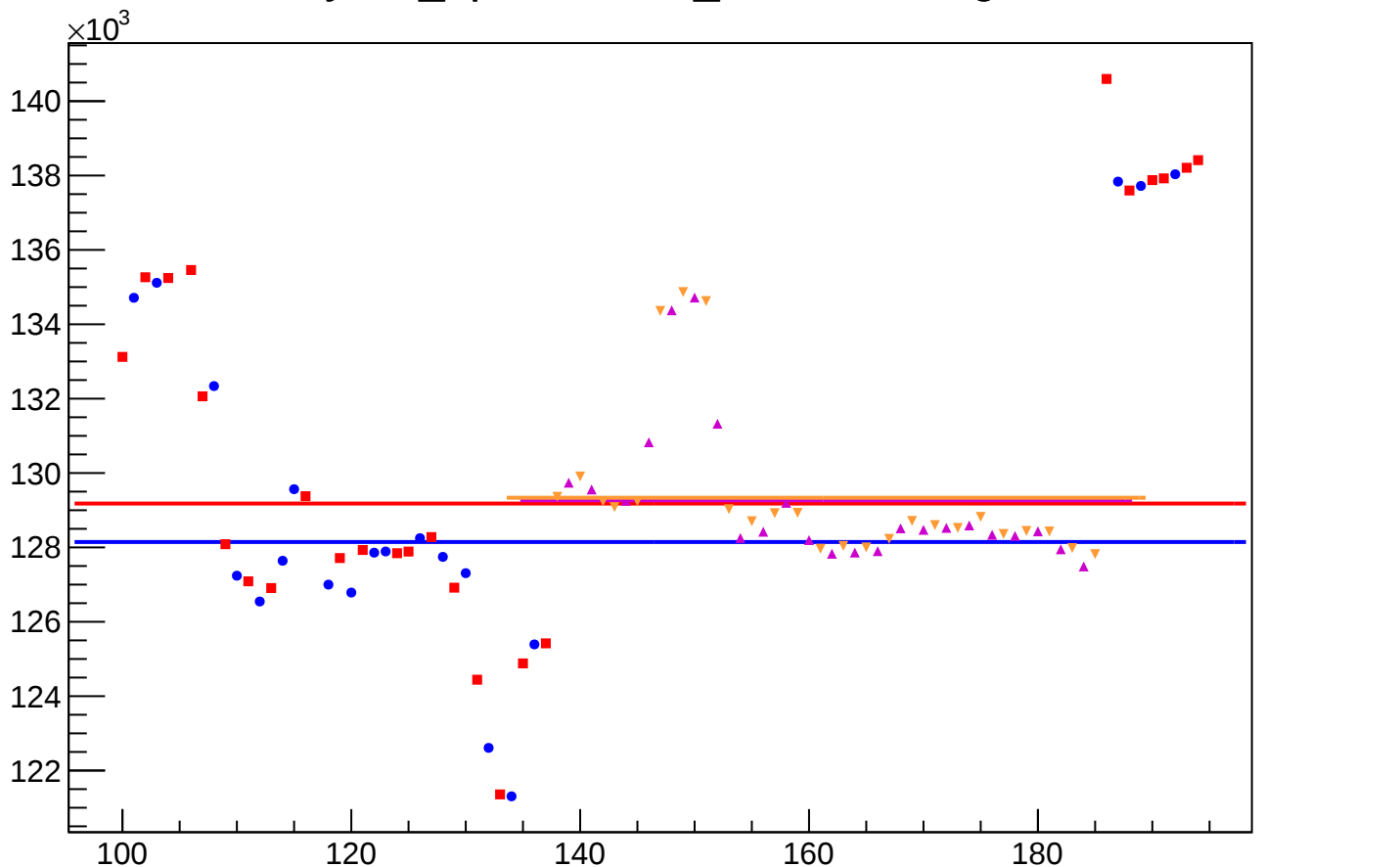
Left In: 197.471 $\pm$ 0.034 χ^2 /NDF: 791577.5/22

+ sign 189.408 $\pm$ 0.027 χ^2 /NDF: 2753359.1/44

All: 189.529 $\pm$ 0.019 χ^2 /NDF: 6309004.1/92

- sign 189.646 $\pm$ 0.027 χ^2 /NDF: 3555605.7/47

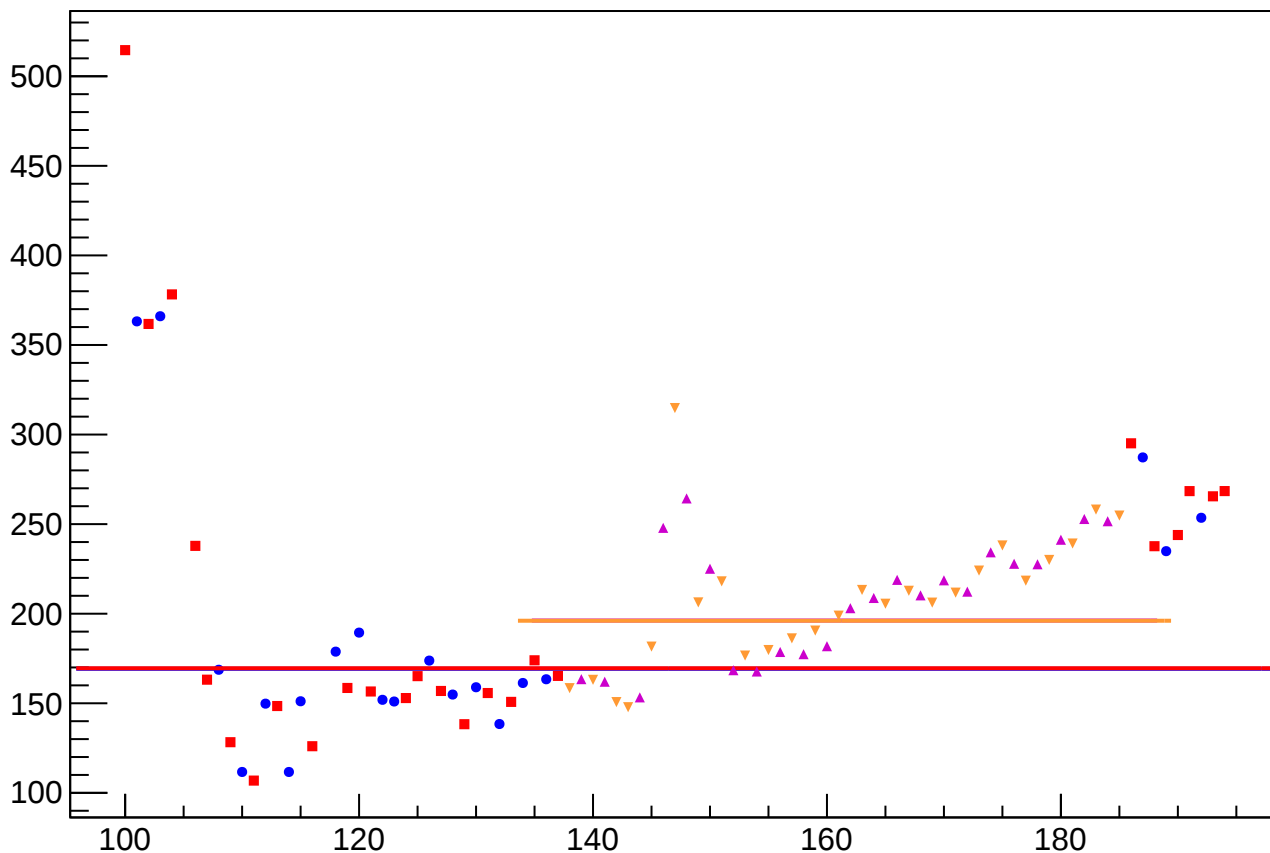
yield_bpm0l05WS_mean vs Slug



Right In: 128145.389 ± 0.063 $\chi^2/\text{NDF}: 4308826385.1/19$
 Left Out: 129335.946 ± 0.047 $\chi^2/\text{NDF}: 1450933621.0/24$
 Right Out: 129179.866 ± 0.056 $\chi^2/\text{NDF}: 7081825606.0/24$
 Left In: 129266.909 ± 0.048 $\chi^2/\text{NDF}: 1213762773.1/22$

All: 129076.282 ± 0.026 $\chi^2/\text{NDF}: 143228602$
 + sign 128914.369 ± 0.038 $\chi^2/\text{NDF}: 5989634537.1$
 - sign 129230.183 ± 0.037 $\chi^2/\text{NDF}: 8296966938.6$

yield_bpm0l05WS_rms vs Slug



Right In: 169.258+/-0.045 χ^2/NDF : 1300231.7/19

Left Out: 196.077+/-0.033 χ^2/NDF : 975710.9/24

Right Out: 169.551+/-0.040 χ^2/NDF : 2068920.4/24

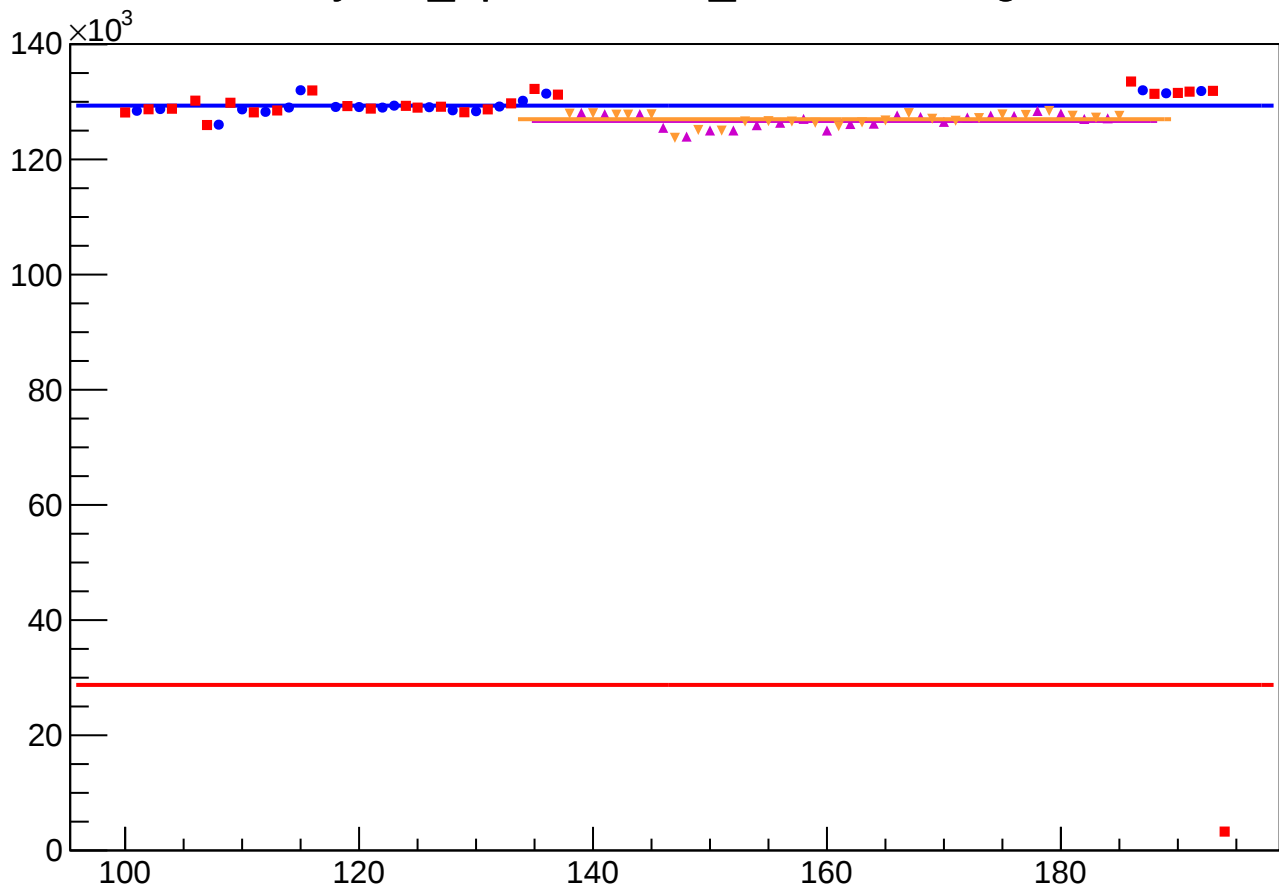
Left In: 196.186+/-0.034 χ^2/NDF : 898058.0/22

+ sign 186.581+/-0.027 χ^2/NDF : 2509239.7/44

All: 185.744+/-0.019 χ^2/NDF : 5736323.4/92

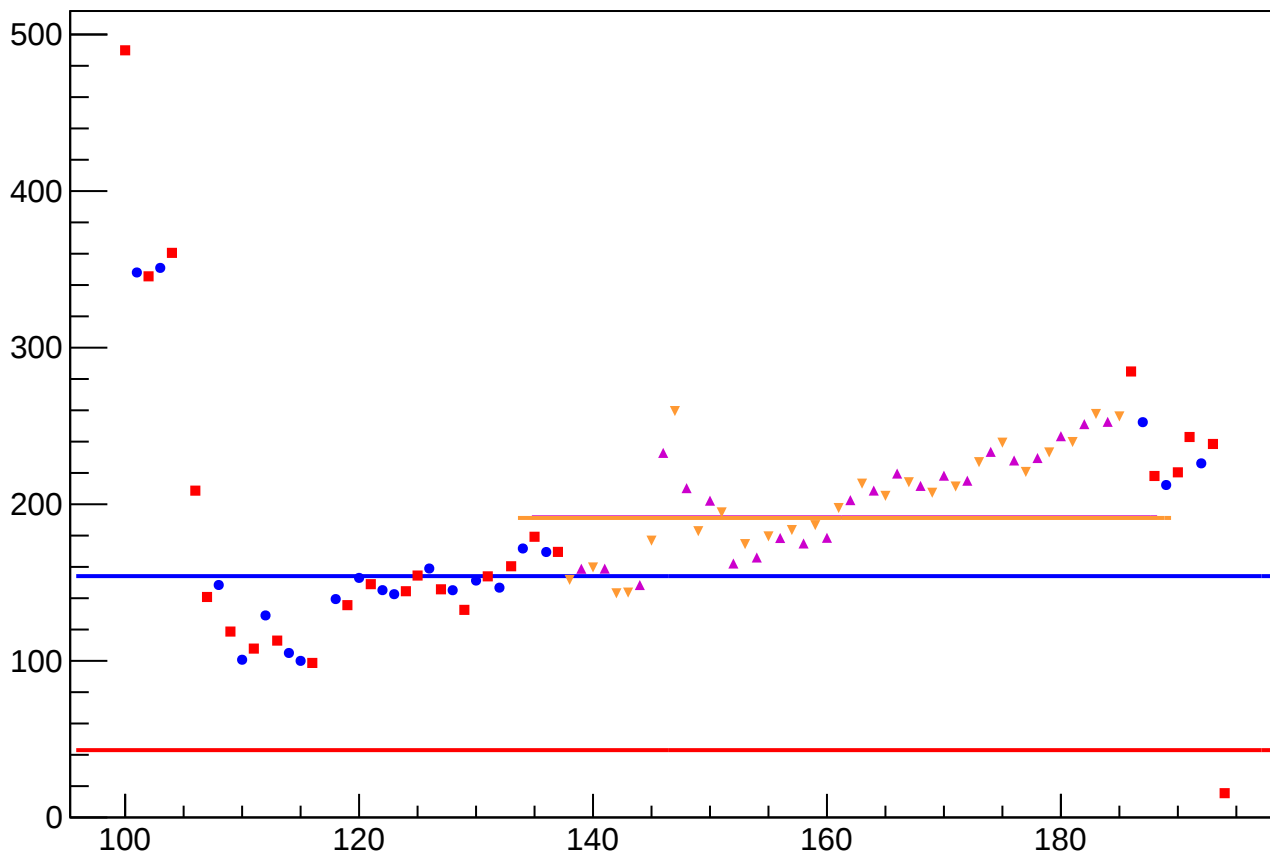
- sign 184.948+/-0.026 χ^2/NDF : 3225145.8/47

yield_bpm0l06WS_mean vs Slug



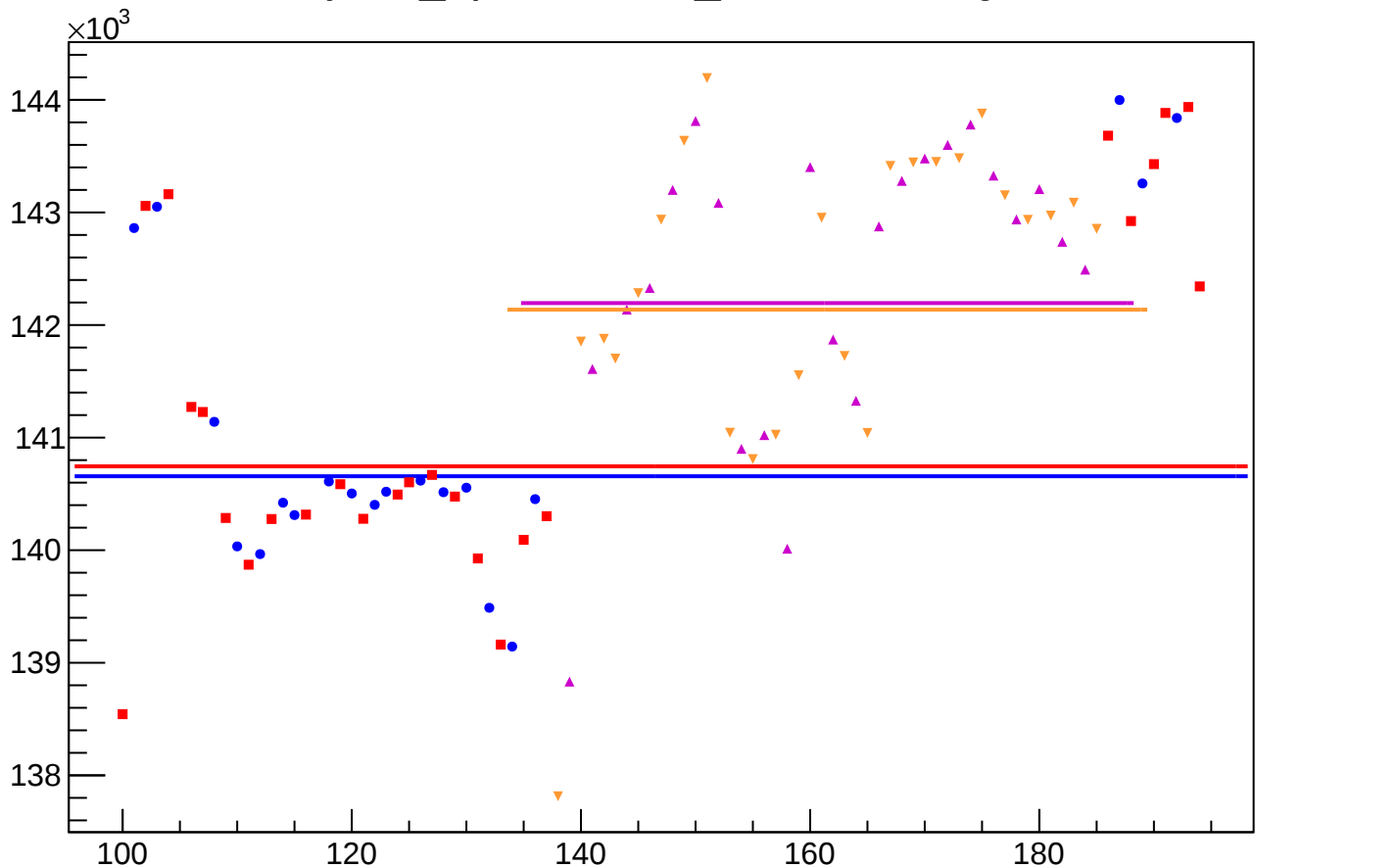
Right In: 129340.365 $\pm$ 0.057	χ^2 /NDF: 675706307.9/19	+ sign 127896.915 $\pm$ 0.036	χ^2 /NDF: 2247923545.2
Left Out: 126981.724 $\pm$ 0.046	χ^2 /NDF: 530573115.8/24	All: 68963.458 $\pm$ 0.018	χ^2 /NDF: 1180474722
Right Out: 28746.031 $\pm$ 0.024	χ^2 /NDF: 4634570011447.8/24	- sign 48385.213 $\pm$ 0.021	χ^2 /NDF: 8107634214175
Left In: 126682.659 $\pm$ 0.047	χ^2 /NDF: 660415880.0/22		

yield_bpm0l06WS_rms vs Slug



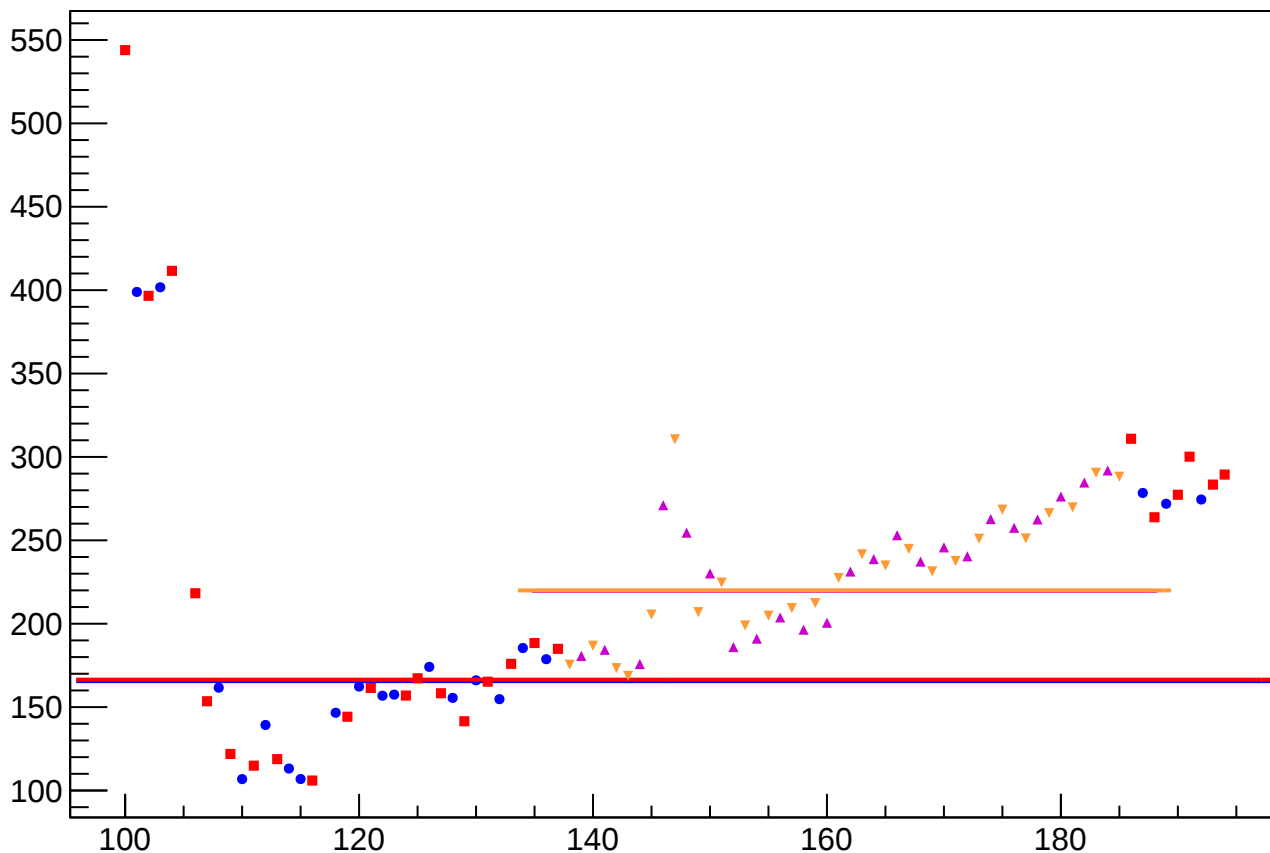
Right In: 154.115 $\pm$ 0.040	χ^2 /NDF: 1400438.9/19	+ sign 176.849 $\pm$ 0.025	χ^2 /NDF: 2909766.5/44
Left Out: 191.263 $\pm$ 0.032	χ^2 /NDF: 992566.2/24	All: 99.735 $\pm$ 0.013	χ^2 /NDF: 45169540.6/92
Right Out: 42.991 $\pm$ 0.017	χ^2 /NDF: 12734696.0/24	- sign 72.808 $\pm$ 0.015	χ^2 /NDF: 29607278.0/47
Left In: 191.683 $\pm$ 0.033	χ^2 /NDF: 864384.9/22		

yield_bpm0l07WS_mean vs Slug



Right In: 140656.828 $\pm$ 0.062	χ^2 /NDF: 290390310.8/19	+ sign 141519.800 $\pm$ 0.040	χ^2 /NDF: 1439308616.6
Left Out: 142136.579 $\pm$ 0.052	χ^2 /NDF: 815573343.0/24	All: 141507.098 $\pm$ 0.028	χ^2 /NDF: 283976493
Right Out: 140744.675 $\pm$ 0.056	χ^2 /NDF: 406354429.5/24	- sign 141495.157 $\pm$ 0.039	χ^2 /NDF: 1400260283.2/
Left In: 142195.020 $\pm$ 0.054	χ^2 /NDF: 644030906.9/22		

yield_bpm0l07WS_rms vs Slug



Right In: 165.569 $\pm$ 0.044 χ^2 /NDF: 1675084.7/19

Left Out: 219.969 $\pm$ 0.037 χ^2 /NDF: 866616.3/24

Right Out: 166.463 $\pm$ 0.039 χ^2 /NDF: 2635493.0/24

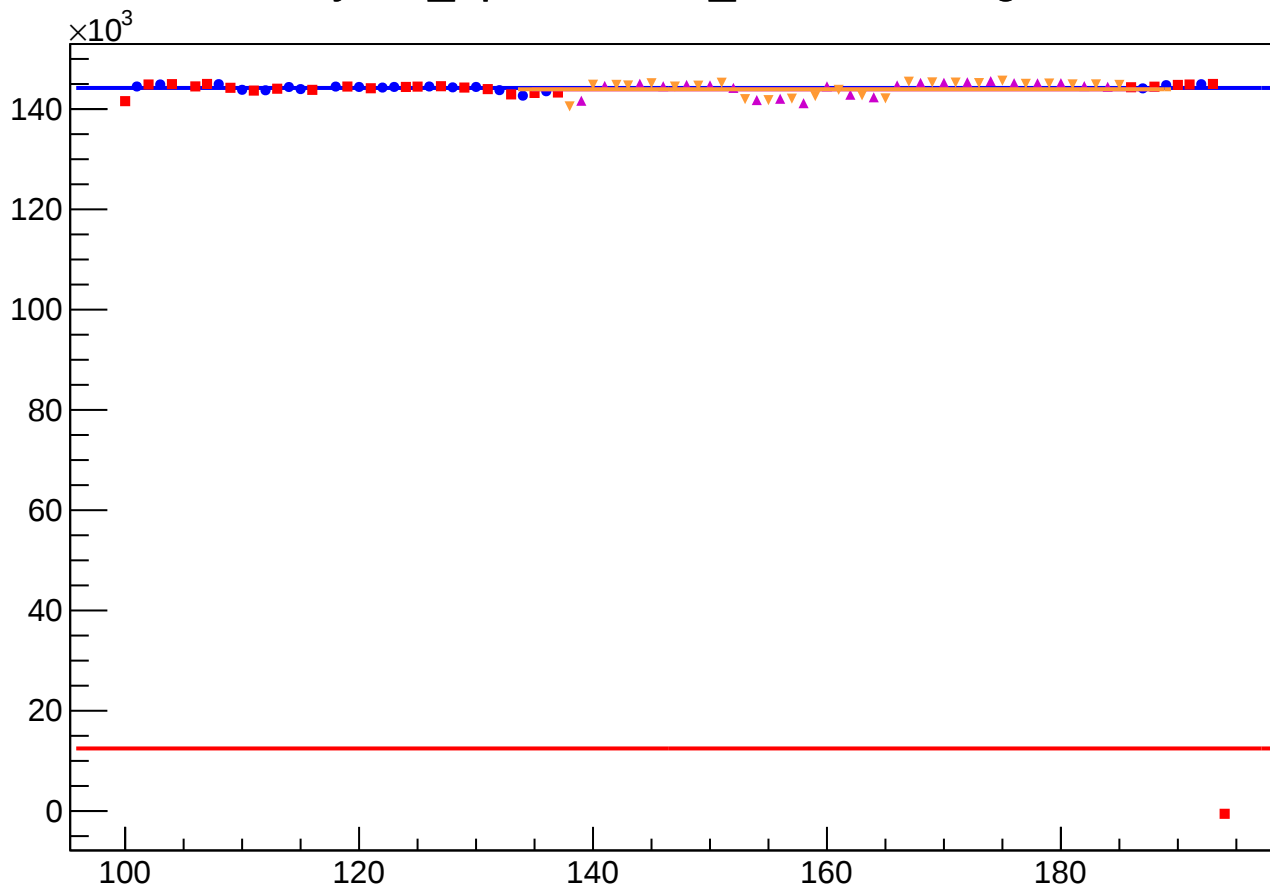
Left In: 219.685 $\pm$ 0.038 χ^2 /NDF: 812745.1/22

+ sign 197.294 $\pm$ 0.028 χ^2 /NDF: 3442761.4/44

All: 195.598 $\pm$ 0.020 χ^2 /NDF: 7840263.7/92

- sign 194.003 $\pm$ 0.027 χ^2 /NDF: 4390507.0/47

yield_bpm0l08WS_mean vs Slug



Right In: 144212.067 $\pm$ 0.063

χ^2 /NDF: 60348289.7/19

+ sign 144057.058 $\pm$ 0.040 χ^2 /NDF: 935175998.1/4

Left Out: 143951.284 $\pm$ 0.052

χ^2 /NDF: 864679545.2/24

All: 41720.887 $\pm$ 0.015 χ^2 /NDF: 1875910473

Right Out: 12482.074 $\pm$ 0.017

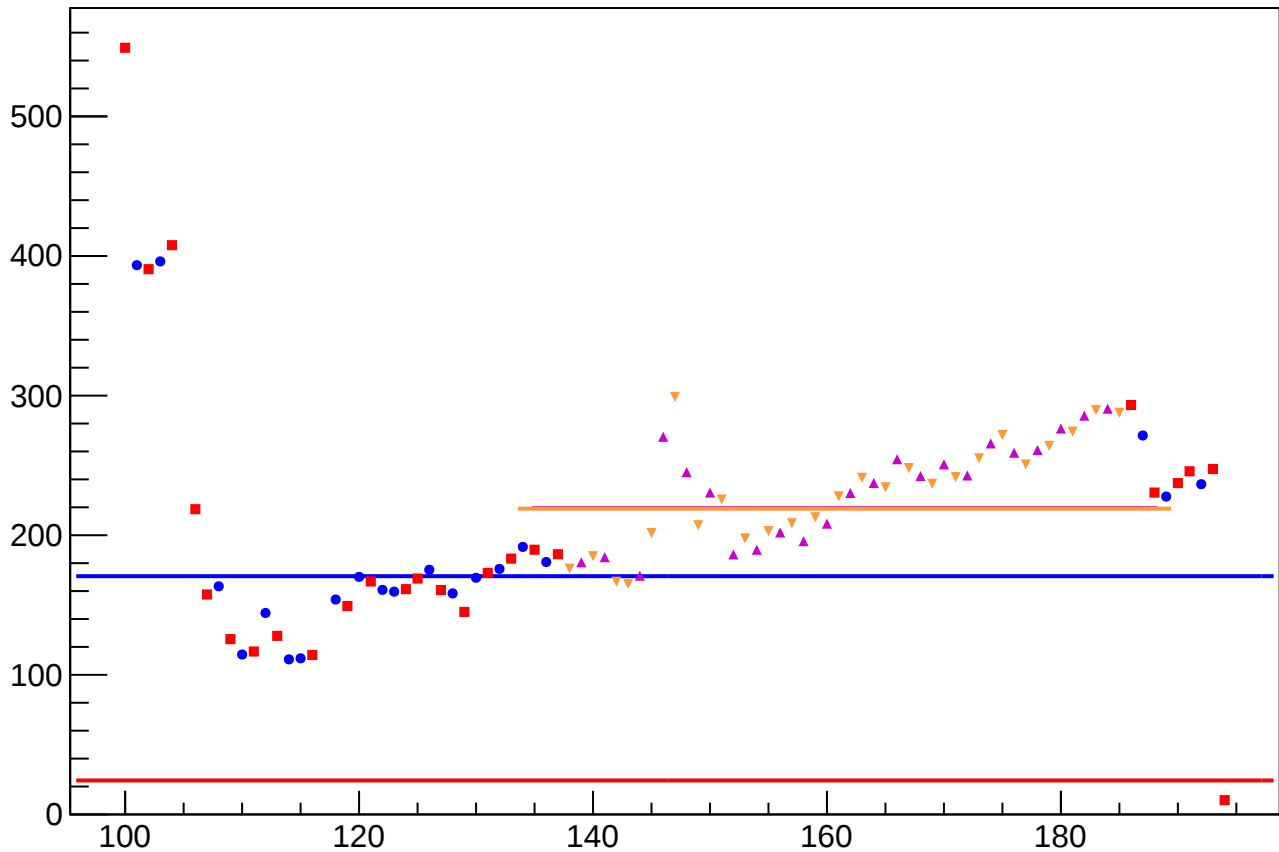
χ^2 /NDF: 5788132538045.9/24

- sign 24681.246 $\pm$ 0.016 χ^2 /NDF: 1119684057969

Left In: 143938.288 $\pm$ 0.054

χ^2 /NDF: 719814685.6/22

yield_bpm0l08WS_rms vs Slug



Right In: 170.666 $\pm$ 0.045 χ^2 /NDF: 1339735.8/19

Left Out: 219.050 $\pm$ 0.037 χ^2 /NDF: 934417.6/24

Right Out: 24.363 $\pm$ 0.012 χ^2 /NDF: 15401686.6/24

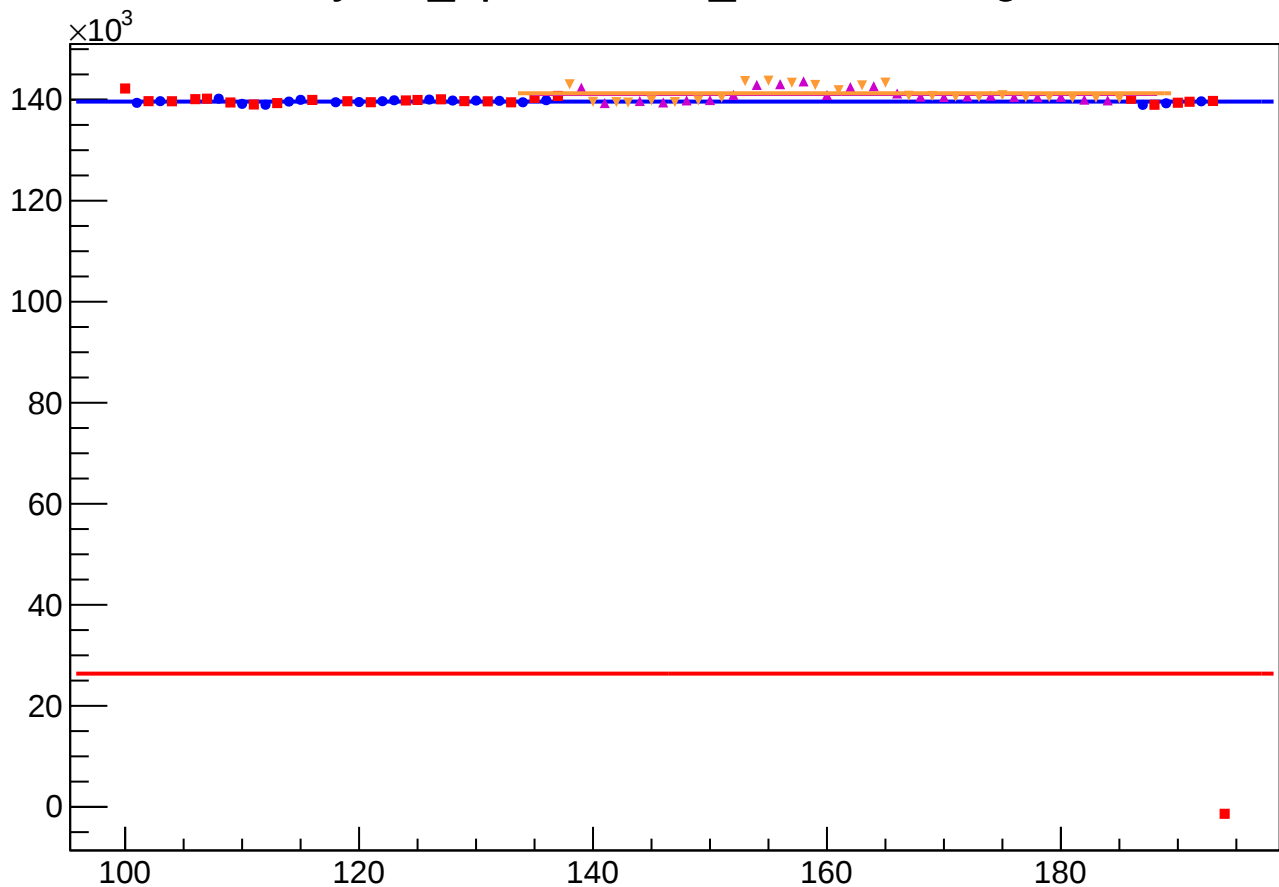
Left In: 219.426 $\pm$ 0.038 χ^2 /NDF: 850089.5/22

+ sign 199.425 $\pm$ 0.028 χ^2 /NDF: 2972809.4/44

All: 64.869 $\pm$ 0.011 χ^2 /NDF: 69183848.8/92

- sign 42.465 $\pm$ 0.012 χ^2 /NDF: 40066879.6/47

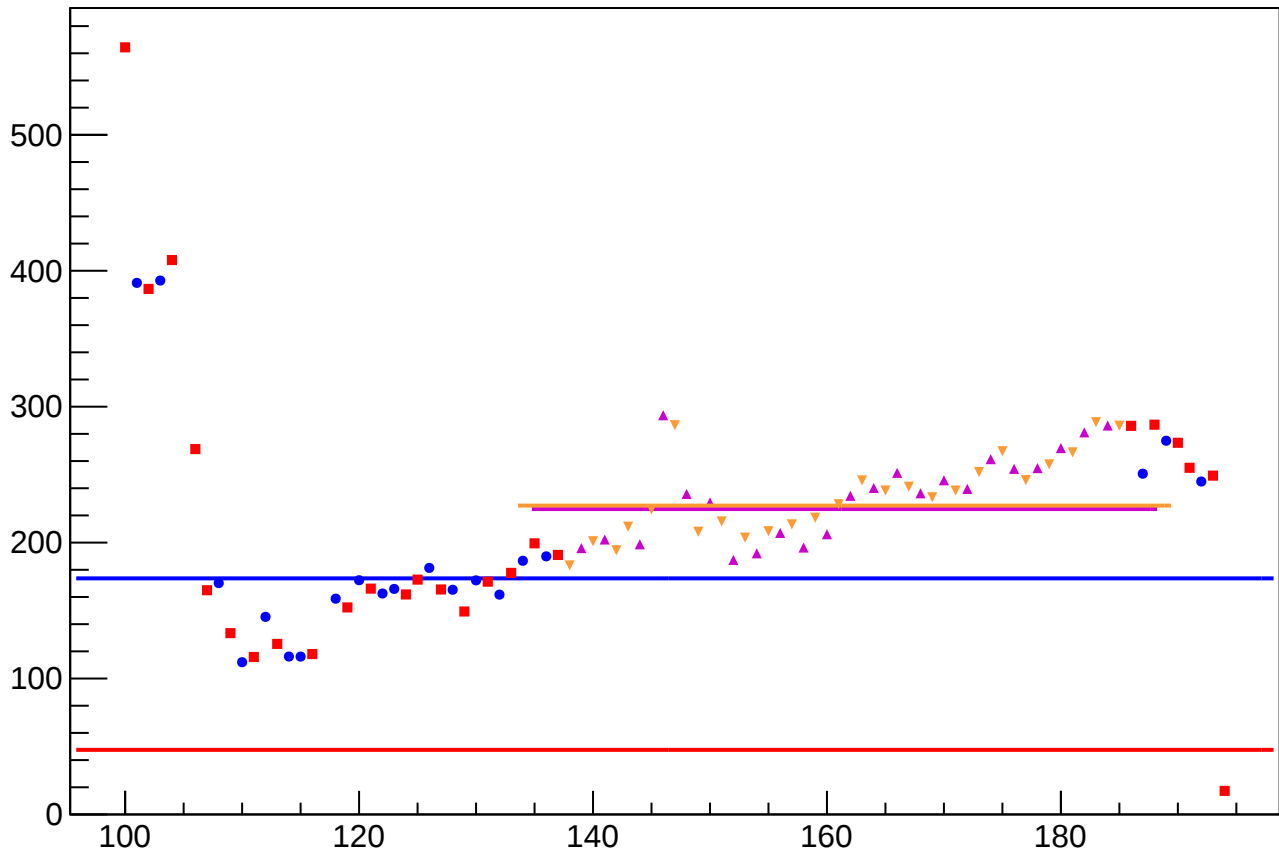
yield_bpm0l09WS_mean vs Slug



Right In: 139621.127 $\pm$ 0.064 χ^2 /NDF: 26584894.1/19
 Left Out: 141268.791 $\pm$ 0.054 χ^2 /NDF: 795989244.2/24
 Right Out: 26379.563 $\pm$ 0.026 χ^2 /NDF: 4571809115506.3/24
 Left In: 141119.484 $\pm$ 0.055 χ^2 /NDF: 565312728.1/22

+ sign 140594.018 $\pm$ 0.041 χ^2 /NDF: 1208136251.0/24
 All: 70672.072 $\pm$ 0.021 χ^2 /NDF: 1194434151.0/24
 - sign 47680.931 $\pm$ 0.024 χ^2 /NDF: 8127533390031.0/24

yield_bpm0l09WS_rms vs Slug



Right In: 173.692 $\pm$ 0.046 χ^2 /NDF: 1408825.2/19

Left Out: 227.224 $\pm$ 0.038 χ^2 /NDF: 484955.3/24

Right Out: 47.530 $\pm$ 0.019 χ^2 /NDF: 12846776.6/24

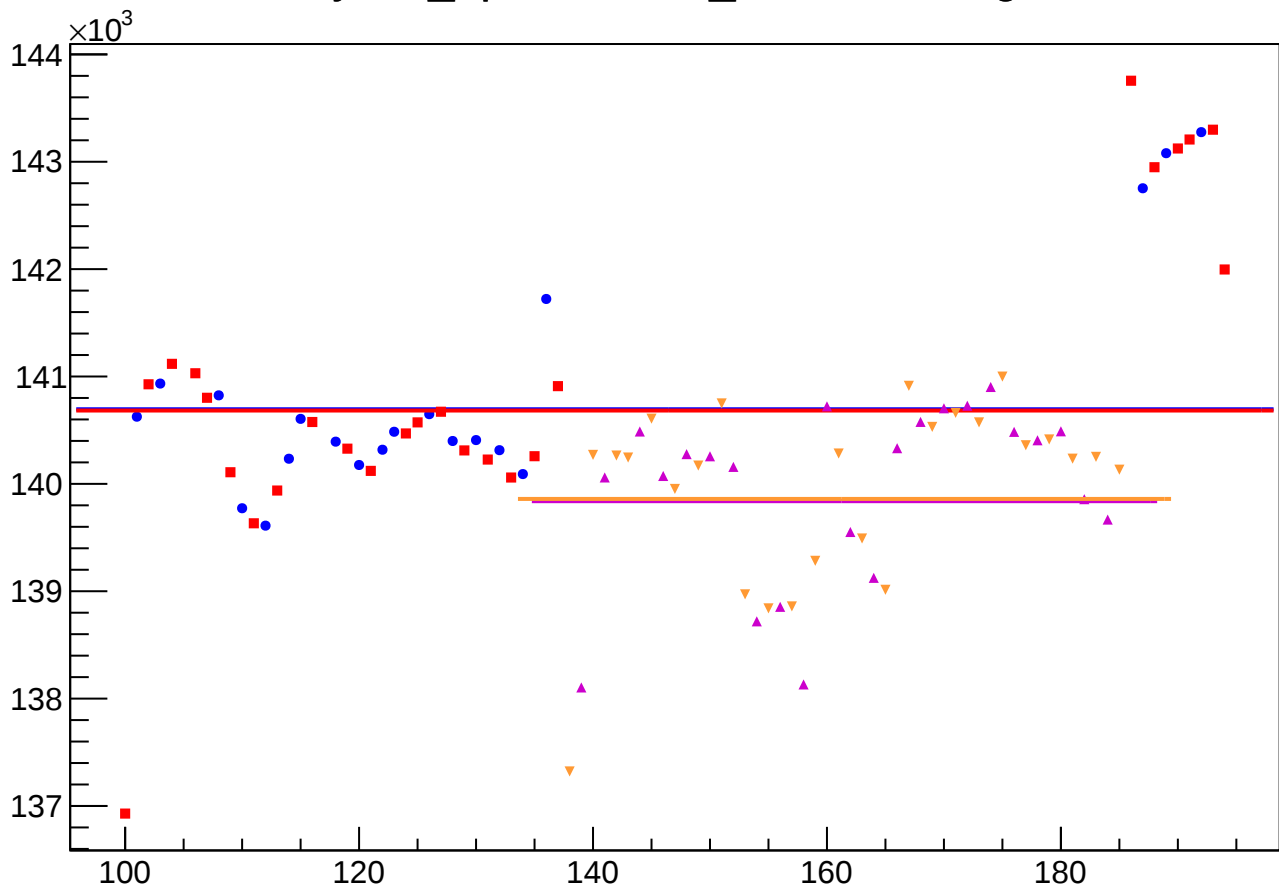
Left In: 224.686 $\pm$ 0.039 χ^2 /NDF: 578366.0/22

+ sign 205.301 $\pm$ 0.029 χ^2 /NDF: 2707757.8/44

All: 111.321 $\pm$ 0.015 χ^2 /NDF: 46868988.4/92

- sign 80.419 $\pm$ 0.017 χ^2 /NDF: 30375250.4/47

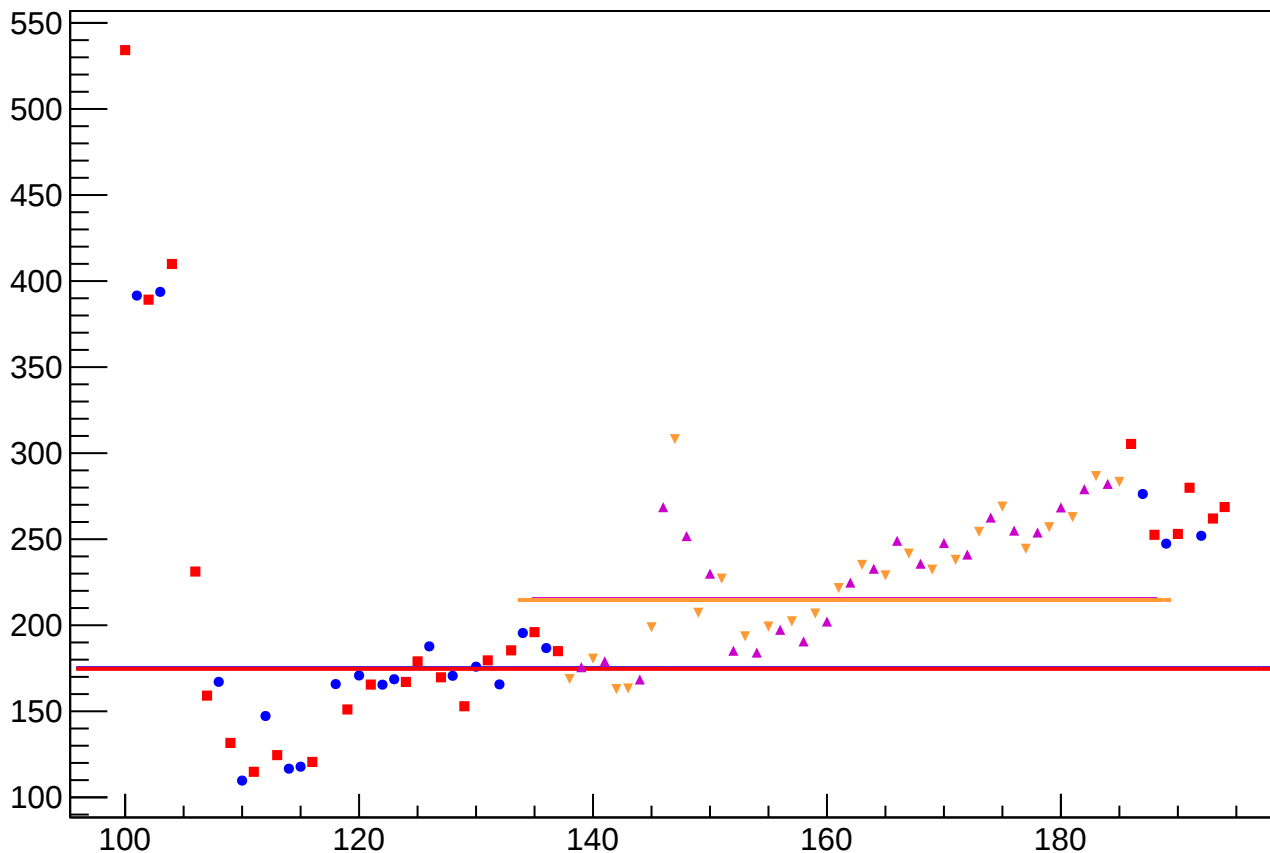
yield_bpm0l10WS_mean vs Slug



Right In: 140694.901 $\pm$ 0.065 χ^2 /NDF: 234076149.3/19
 Left Out: 139859.696 $\pm$ 0.051 χ^2 /NDF: 330118281.5/24
 Right Out: 140683.100 $\pm$ 0.058 χ^2 /NDF: 334714927.3/24
 Left In: 139838.724 $\pm$ 0.053 χ^2 /NDF: 279573689.3/22

+ sign 140179.028 $\pm$ 0.040 χ^2 /NDF: 666345920.8/4
 All: 140201.409 $\pm$ 0.028 χ^2 /NDF: 139748520
 - sign 140222.513 $\pm$ 0.039 χ^2 /NDF: 730535789.6/4

yield_bpm0l10WS_rms vs Slug



Right In: 175.050 $\pm$ 0.046 χ^2 /NDF: 1403218.5/19

Left Out: 214.693 $\pm$ 0.036 χ^2 /NDF: 981105.5/24

Right Out: 174.686 $\pm$ 0.041 χ^2 /NDF: 2183533.5/24

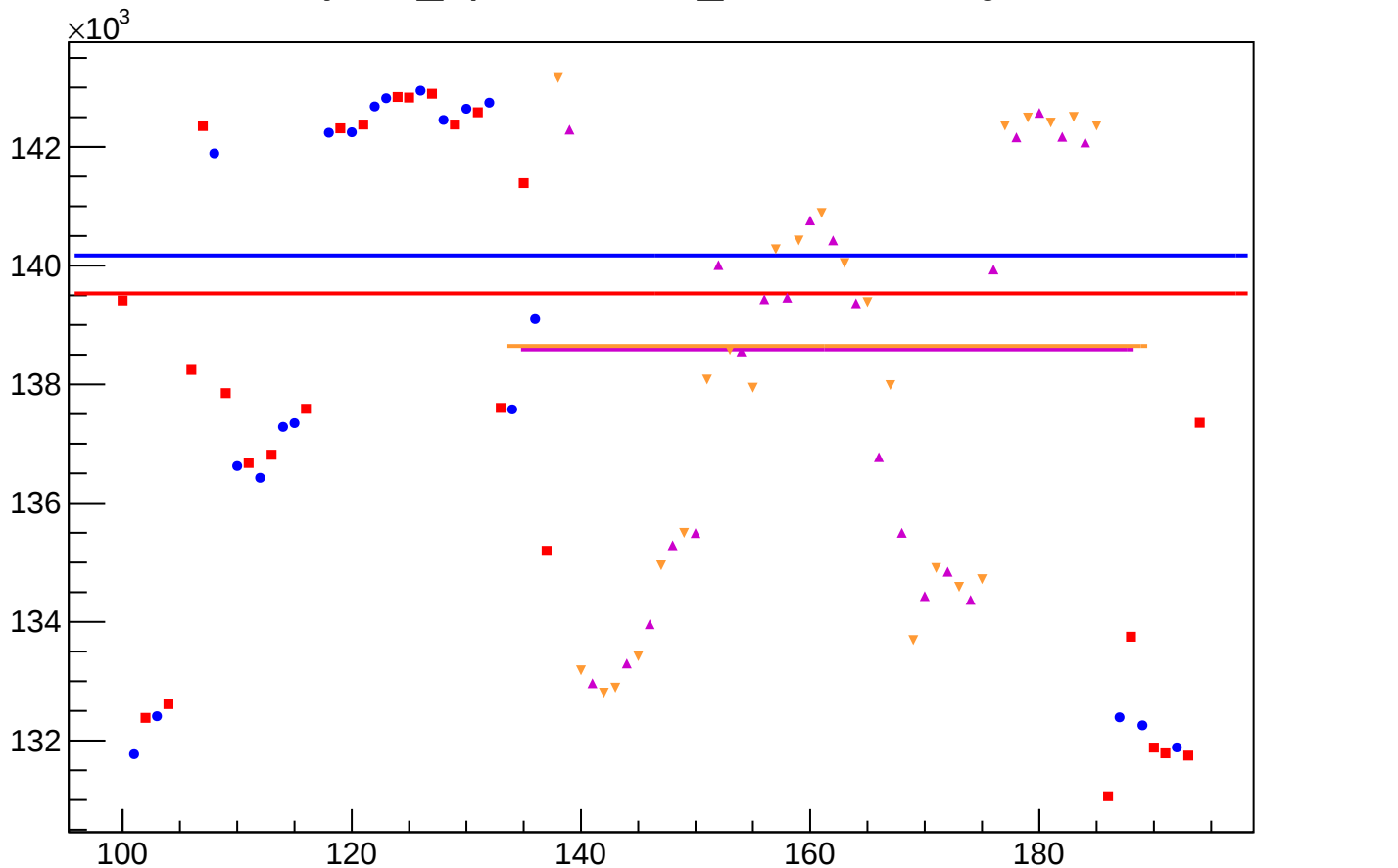
Left In: 215.222 $\pm$ 0.037 χ^2 /NDF: 881945.0/22

+ sign 199.536 $\pm$ 0.028 χ^2 /NDF: 2844595.8/44

All: 198.126 $\pm$ 0.020 χ^2 /NDF: 6450689.8/92

- sign 196.797 $\pm$ 0.028 χ^2 /NDF: 3601306.7/47

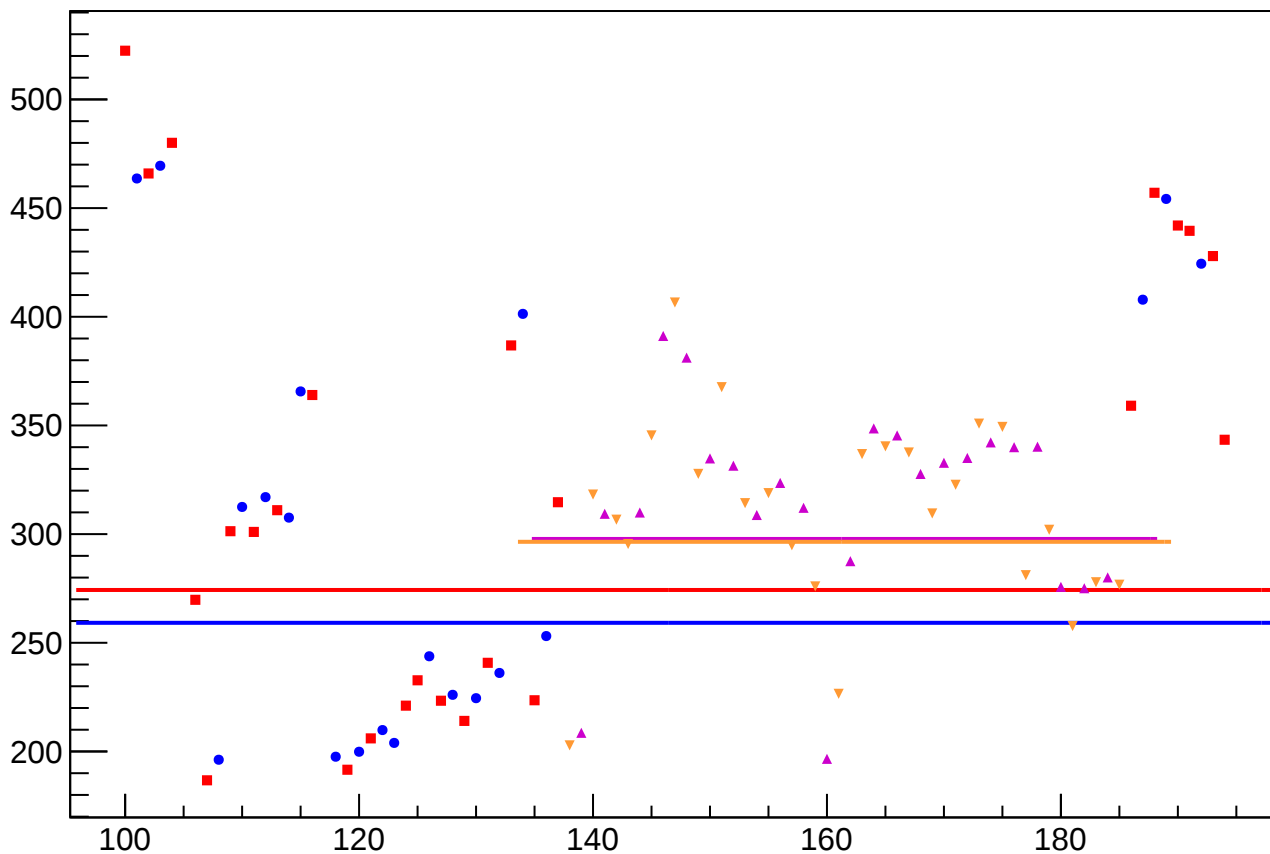
yield_bpm0r03WS_mean vs Slug



Right In: 140170.839 $\pm$ 0.096 χ^2 /NDF: 1405037986.4/19
 Left Out: 138646.366 $\pm$ 0.071 χ^2 /NDF: 2548637600.4/24
 Right Out: 139532.420 $\pm$ 0.090 χ^2 /NDF: 1764867925.6/24
 Left In: 138588.711 $\pm$ 0.074 χ^2 /NDF: 1948065195.1/22

+ sign 139181.699 $\pm$ 0.057 χ^2 /NDF: 4116253043.3
 All: 139073.746 $\pm$ 0.040 χ^2 /NDF: 790191828
 - sign 138965.754 $\pm$ 0.057 χ^2 /NDF: 3778507863.5

yield_bpm0r03WS_rms vs Slug



Right In: 259.193 ± 0.068 χ^2/NDF : 1393472.4/19

Left Out: 296.464 ± 0.050 χ^2/NDF : 893579.7/24

Right Out: 274.300 ± 0.064 χ^2/NDF : 1876571.7/24

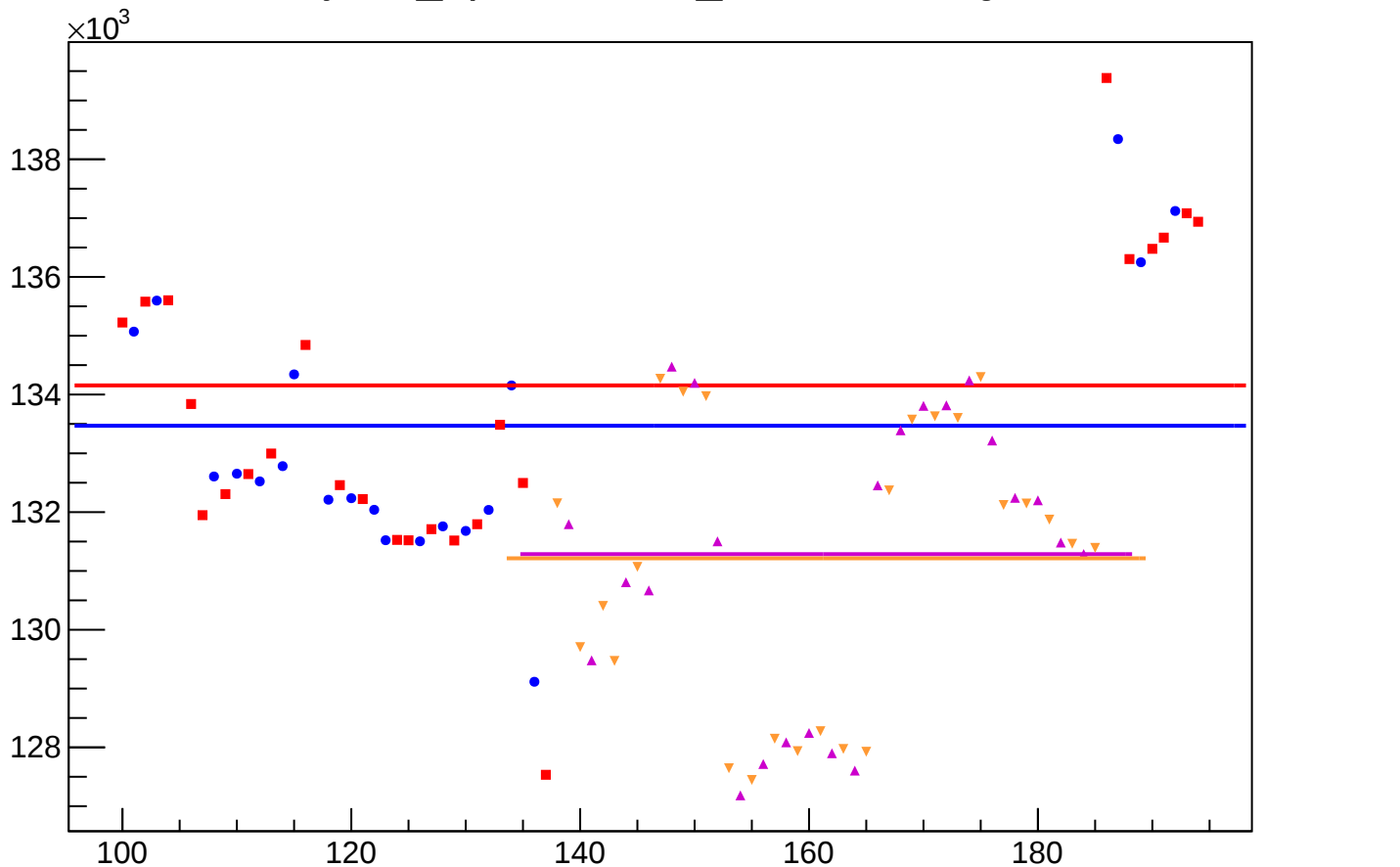
Left In: 297.774 ± 0.052 χ^2/NDF : 1061489.5/22

+ sign 283.376 ± 0.040 χ^2/NDF : 2481409.3/44

All: 285.886 ± 0.029 χ^2/NDF : 5508350.5/92

- sign 288.396 ± 0.040 χ^2/NDF : 3019207.4/47

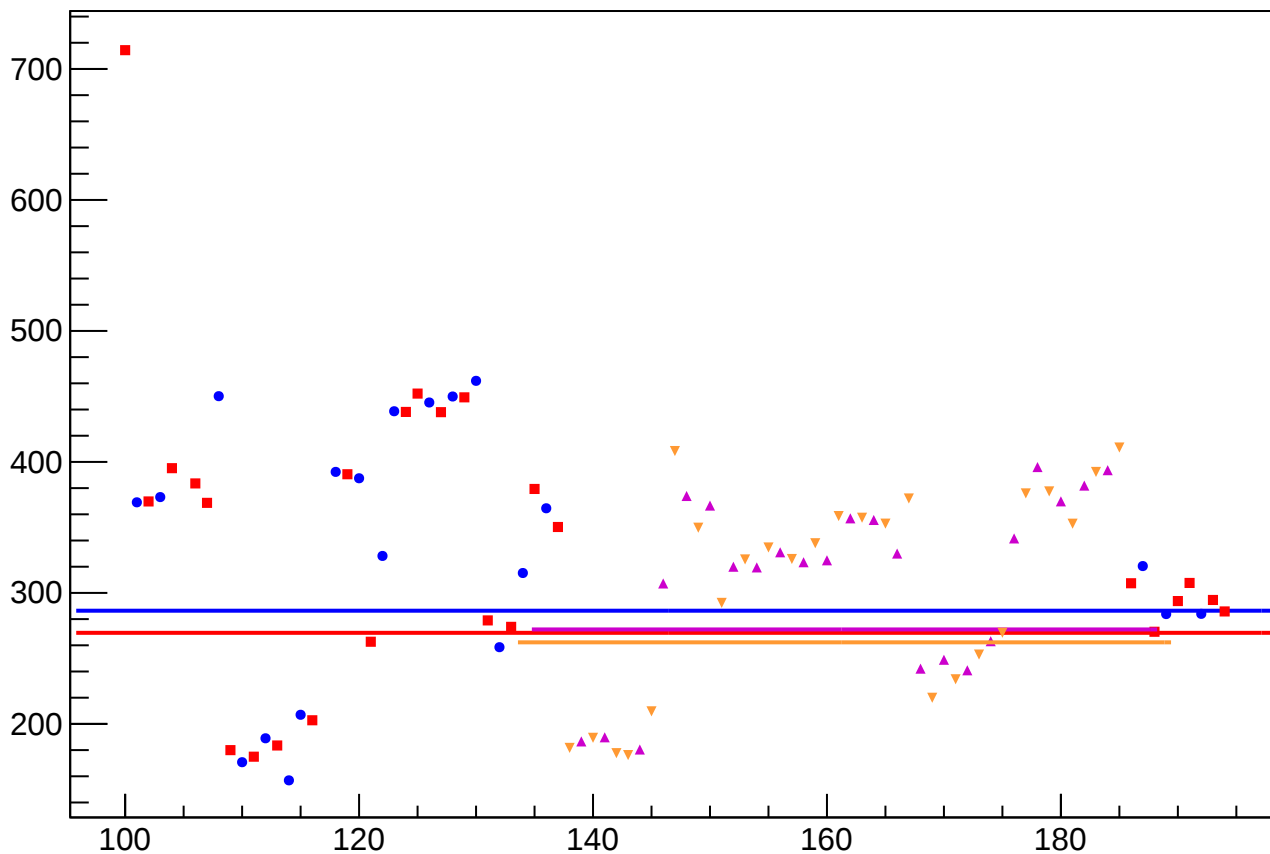
yield_bpm0r05WS_mean vs Slug



Right In: 133469.017 ± 0.106 $\chi^2/\text{NDF}: 448681047.0/19$
 Left Out: 131214.985 ± 0.064 $\chi^2/\text{NDF}: 1173424494.6/24$
 Right Out: 134155.058 ± 0.088 $\chi^2/\text{NDF}: 652764001.1/24$
 Left In: 131285.623 ± 0.068 $\chi^2/\text{NDF}: 1056232192.1/22$

+ sign 131818.535 ± 0.055 $\chi^2/\text{NDF}: 1950984534.1/19$
 - sign 132360.193 ± 0.054 $\chi^2/\text{NDF}: 2369297644.1/19$
 All: 132094.279 ± 0.039 $\chi^2/\text{NDF}: 436959316.1/19$

yield_bpm0r05WS_rms vs Slug



Right In: 286.415 ± 0.075 $\chi^2/\text{NDF}: 1517502.8/19$

Left Out: 262.260 ± 0.045 $\chi^2/\text{NDF}: 2818169.1/24$

Right Out: 269.526 ± 0.062 $\chi^2/\text{NDF}: 1666170.2/24$

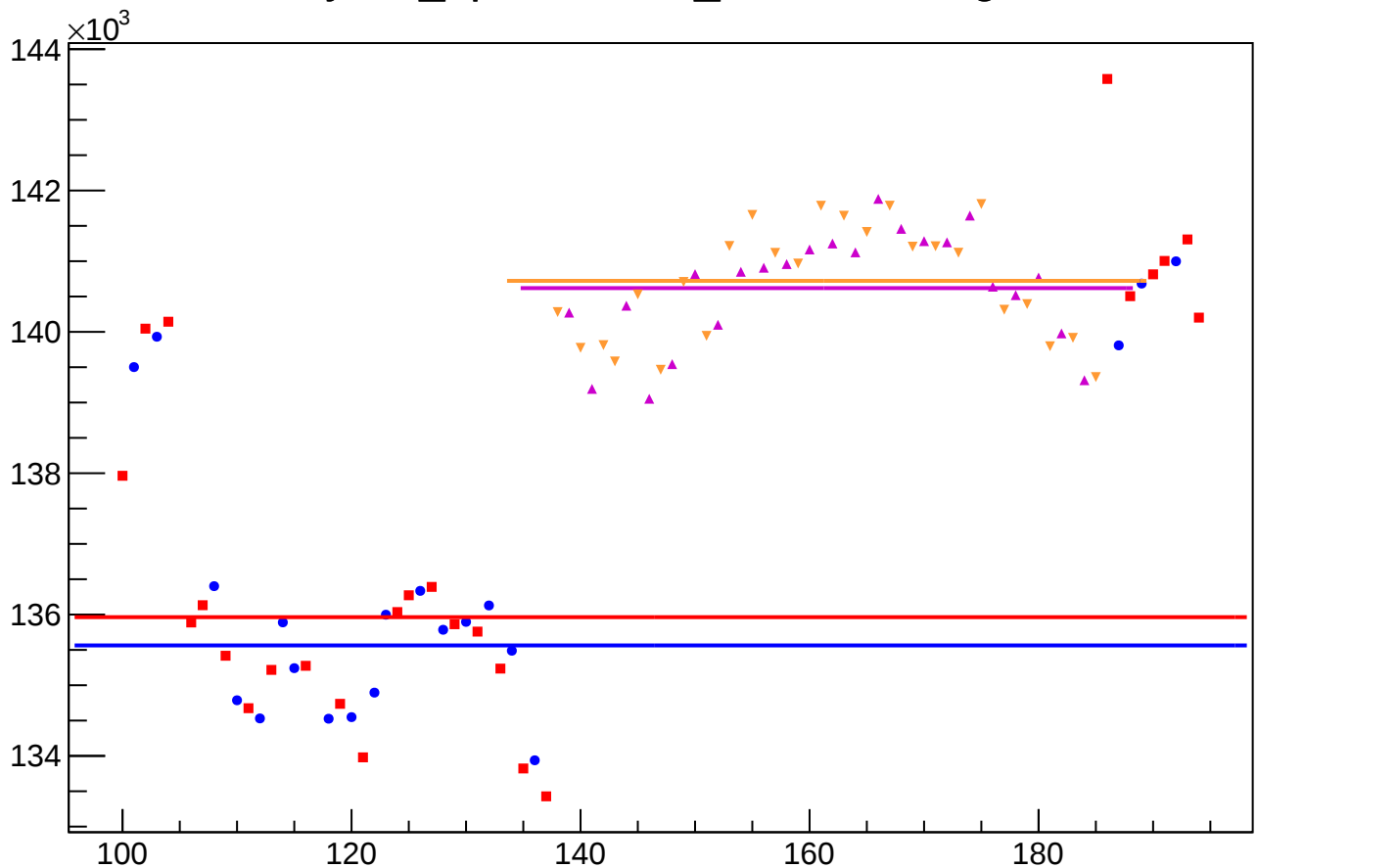
Left In: 272.115 ± 0.048 $\chi^2/\text{NDF}: 2221925.0/22$

+ sign 268.728 ± 0.039 $\chi^2/\text{NDF}: 4411211.8/44$

All: 269.958 ± 0.027 $\chi^2/\text{NDF}: 8302346.5/92$

- sign 271.145 ± 0.038 $\chi^2/\text{NDF}: 3889169.9/47$

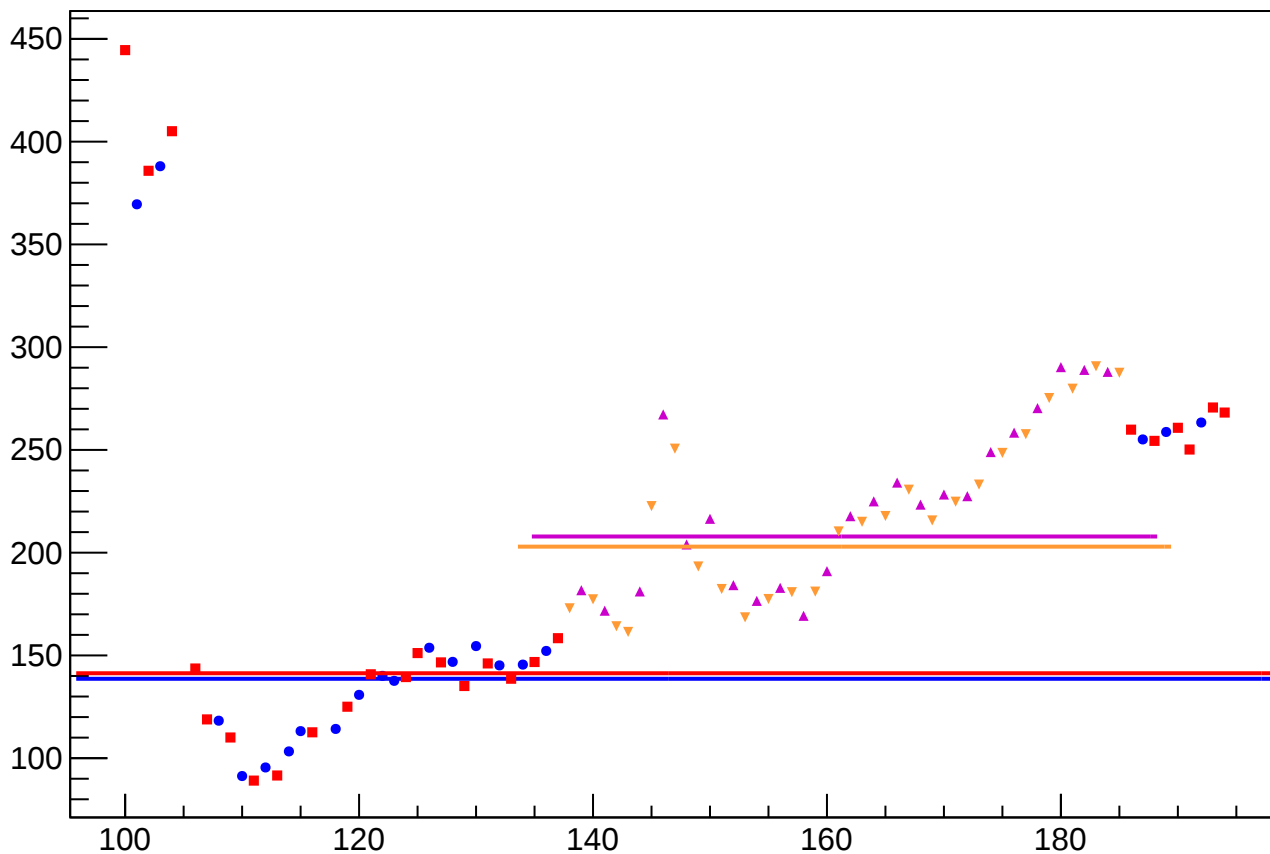
yield_bpm0i02WS_mean vs Slug



Right In: 135563.411 $\pm$ 0.053 χ^2 /NDF: 1026089884.4/19
 Left Out: 140721.823 $\pm$ 0.048 χ^2 /NDF: 247257762.8/24
 Right Out: 135963.415 $\pm$ 0.048 χ^2 /NDF: 1842337616.5/24
 Left In: 140619.038 $\pm$ 0.051 χ^2 /NDF: 200370178.0/22

+ sign 138361.459 $\pm$ 0.036 χ^2 /NDF: 6469557820.0
 All: 138254.725 $\pm$ 0.025 χ^2 /NDF: 129314656
 - sign 138151.714 $\pm$ 0.035 χ^2 /NDF: 6444294220.5

yield_bpm0i02WS_rms vs Slug



Right In: 138.634 $\pm$ 0.037 χ^2 /NDF: 2092147.6/19

Left Out: 202.934 $\pm$ 0.034 χ^2 /NDF:1052283.6/24

Right Out: 141.326 $\pm$ 0.034 χ^2 /NDF: 3076978.2/24

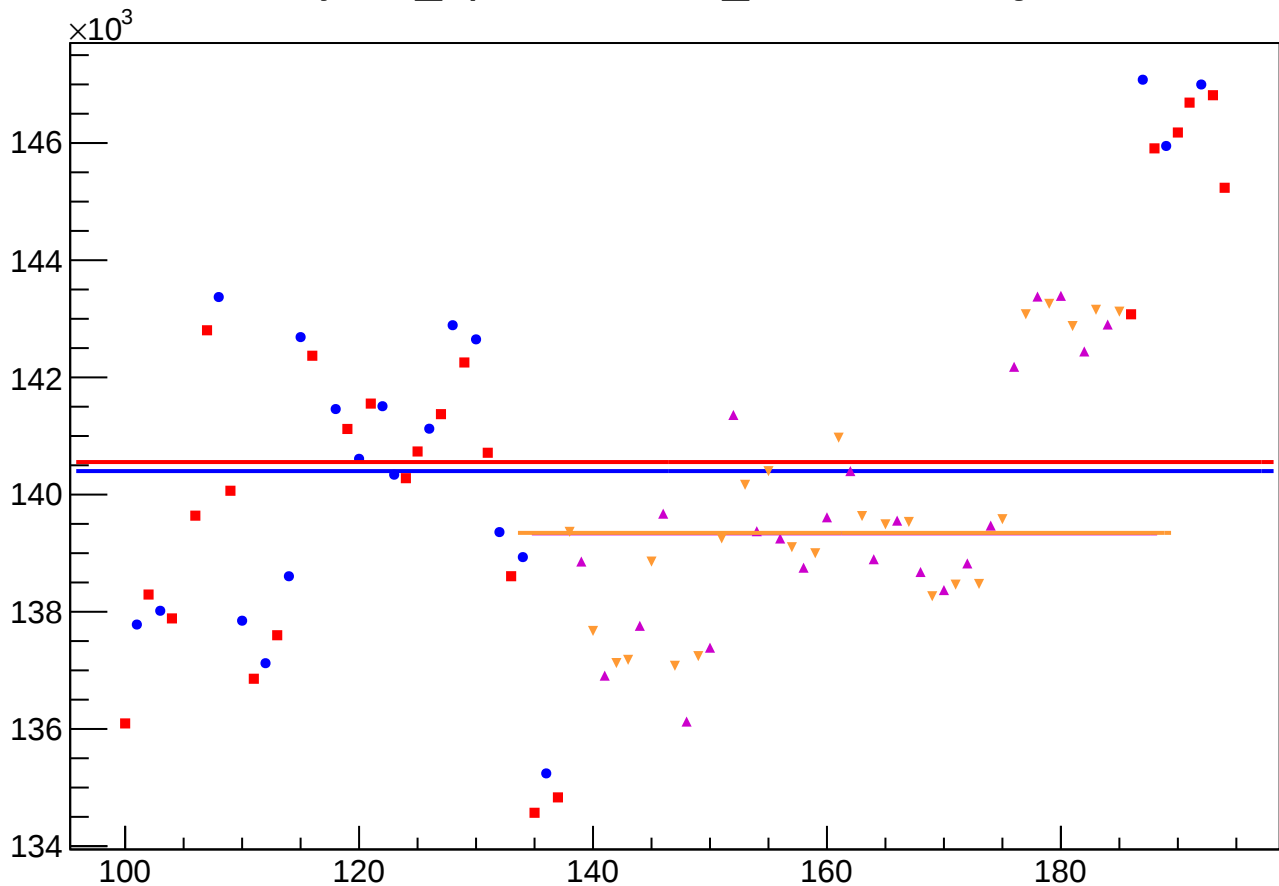
Left In: 207.872 $\pm$ 0.036 χ^2 /NDF:949200.3/22

+ sign 173.512 $\pm$ 0.025 χ^2 /NDF: 4759179.0/44

All: 173.050 $\pm$ 0.018 χ^2 /NDF: 10584595.3/92

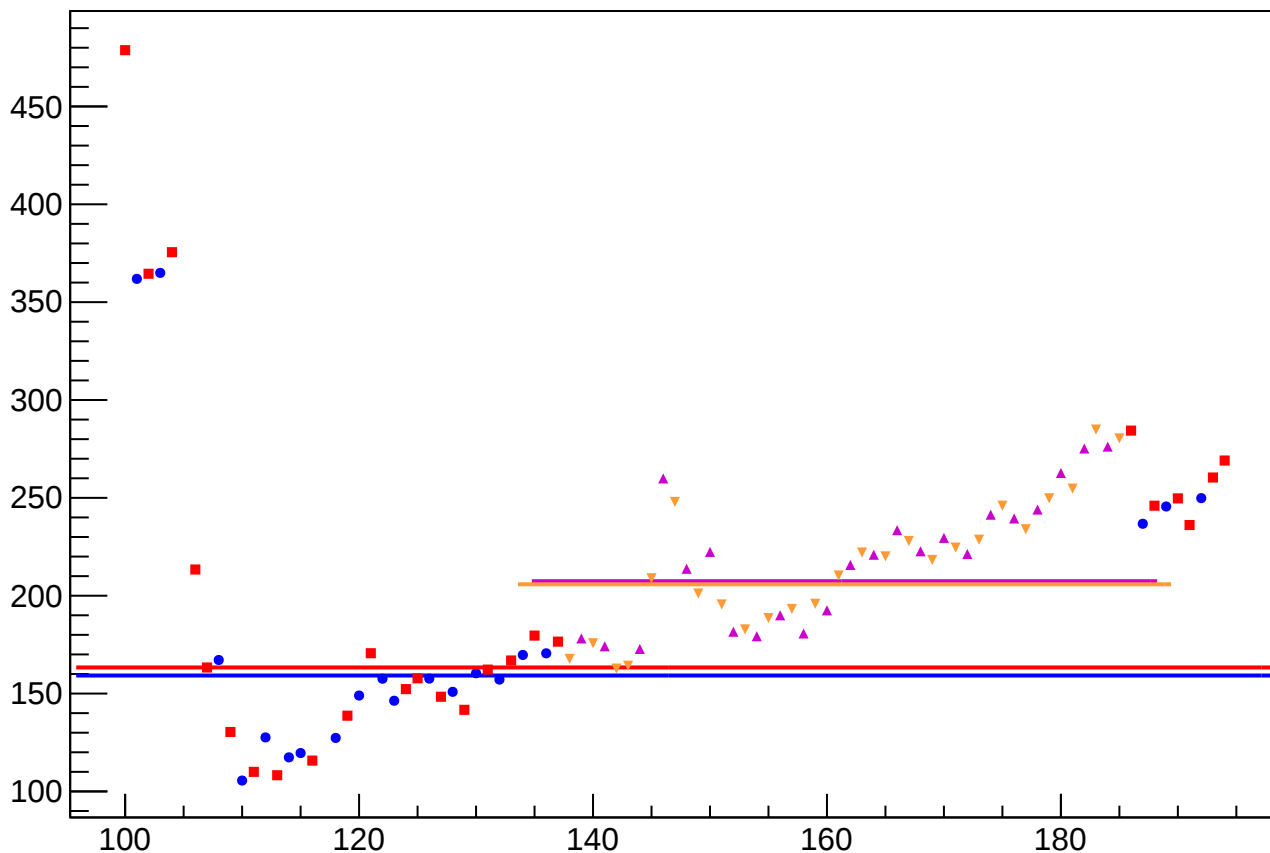
- sign 172.605 $\pm$ 0.025 χ^2 /NDF: 5824757.0/47

yield_bpm0i02aWS_mean vs Slug



Right In: 140401.112 $\pm$ 0.059 χ^2 /NDF: 2753363209.6/19
 Left Out: 139346.604 $\pm$ 0.049 χ^2 /NDF: 1271172976.7/24
 Right Out: 140555.433 $\pm$ 0.054 χ^2 /NDF: 3207379655.5/24
 Left In: 139337.874 $\pm$ 0.051 χ^2 /NDF: 1293003954.9/22
 All: 139841.045 $\pm$ 0.026 χ^2 /NDF: 898664250
 + sign 139774.369 $\pm$ 0.038 χ^2 /NDF: 4212676034.4
 - sign 139905.590 $\pm$ 0.037 χ^2 /NDF: 4767826556.9

yield_bpm0i02aWS_rms vs Slug



Right In: 159.228 $\pm$ 0.042 χ^2 /NDF: 1474327.9/19

Left Out: 205.833 $\pm$ 0.035 χ^2 /NDF: 738666.4/24

Right Out: 163.344 $\pm$ 0.038 χ^2 /NDF: 2285831.8/24

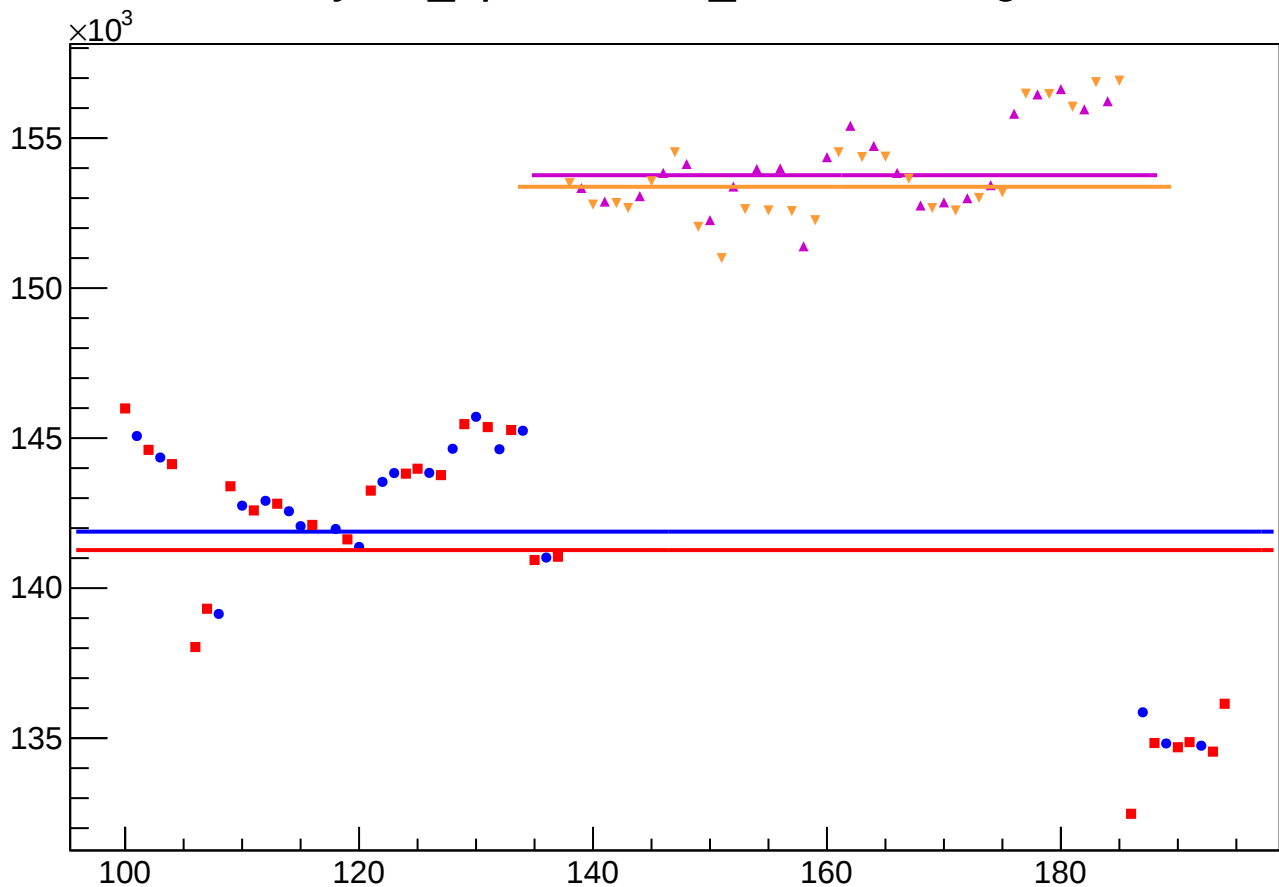
Left In: 207.416 $\pm$ 0.036 χ^2 /NDF: 701955.3/22

+ sign 186.927 $\pm$ 0.027 χ^2 /NDF: 2947973.9/44

All: 186.896 $\pm$ 0.019 χ^2 /NDF: 6636589.6/92

- sign 186.866 $\pm$ 0.026 χ^2 /NDF: 3688613.1/47

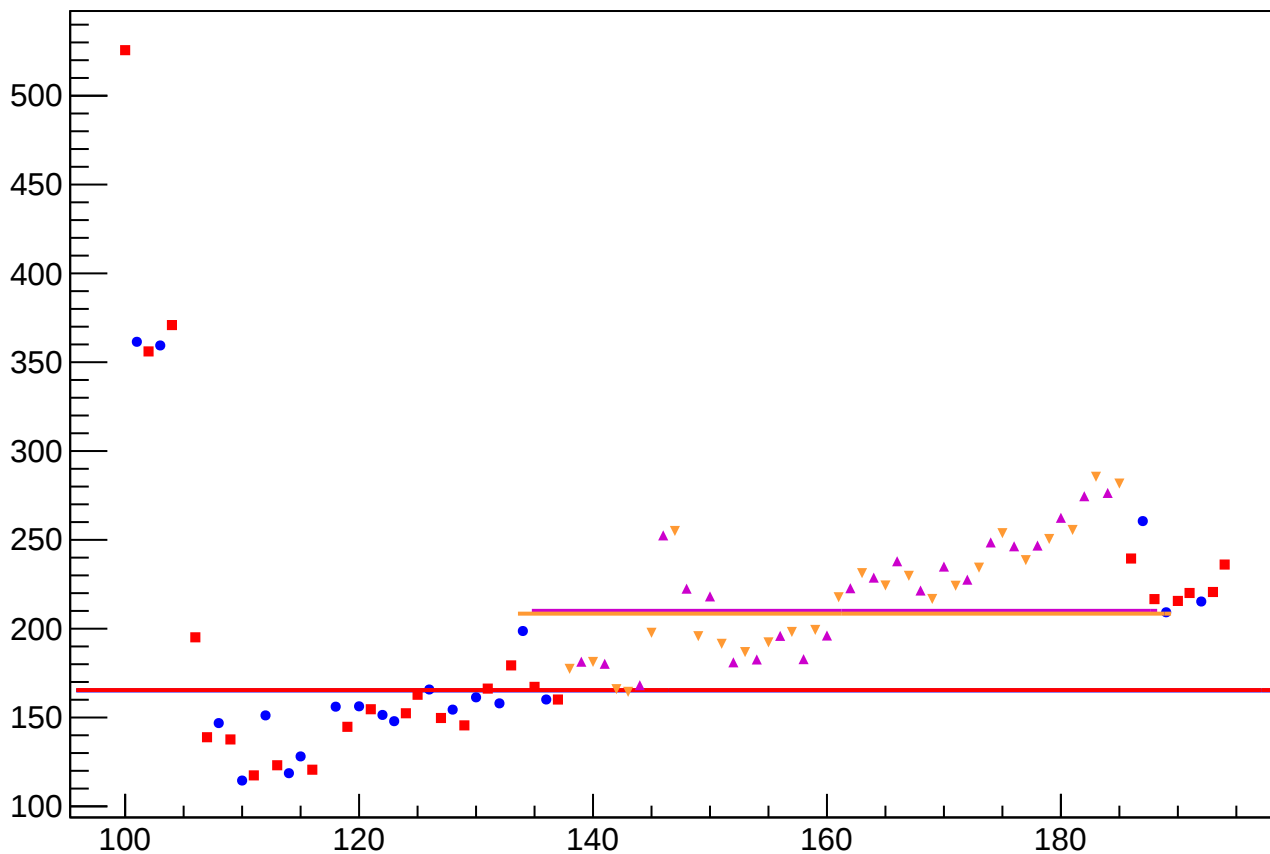
yield_bpm0i05WS_mean vs Slug



Right In: 141882.674 $\pm$ 0.061 χ^2 /NDF: 2575546609.3/19
 Left Out: 153376.698 $\pm$ 0.050 χ^2 /NDF: 803848095.1/24
 Right Out: 141267.425 $\pm$ 0.054 χ^2 /NDF: 4387574694.5/24
 Left In: 153762.419 $\pm$ 0.051 χ^2 /NDF: 635075685.0/22

+ sign 148786.913 $\pm$ 0.038 χ^2 /NDF: 24878794773.
 All: 148295.729 $\pm$ 0.027 χ^2 /NDF: 582149516.
 - sign 147832.318 $\pm$ 0.037 χ^2 /NDF: 33018043674.4

yield_bpm0i05WS_rms vs Slug



Right In: 165.234 $\pm$ 0.043 χ^2 /NDF: 1087033.3/19

Left Out: 208.466 $\pm$ 0.035 χ^2 /NDF: 720894.7/24

Right Out: 165.448 $\pm$ 0.038 χ^2 /NDF: 1591870.4/24

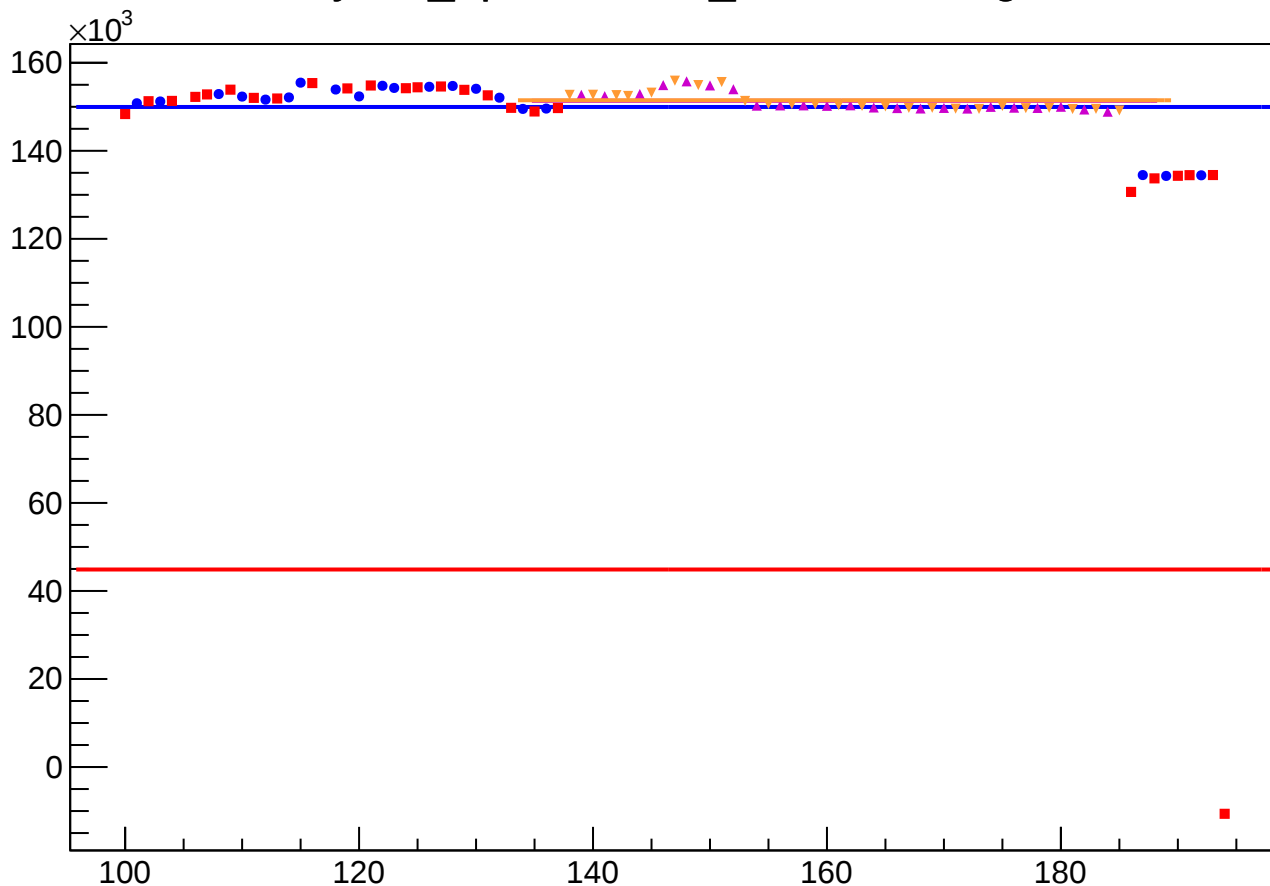
Left In: 210.038 $\pm$ 0.036 χ^2 /NDF: 702369.5/22

+ sign 191.202 $\pm$ 0.027 χ^2 /NDF: 2416239.1/44

All: 190.005 $\pm$ 0.019 χ^2 /NDF: 5427285.7/92

- sign 188.876 $\pm$ 0.026 χ^2 /NDF: 3007267.0/47

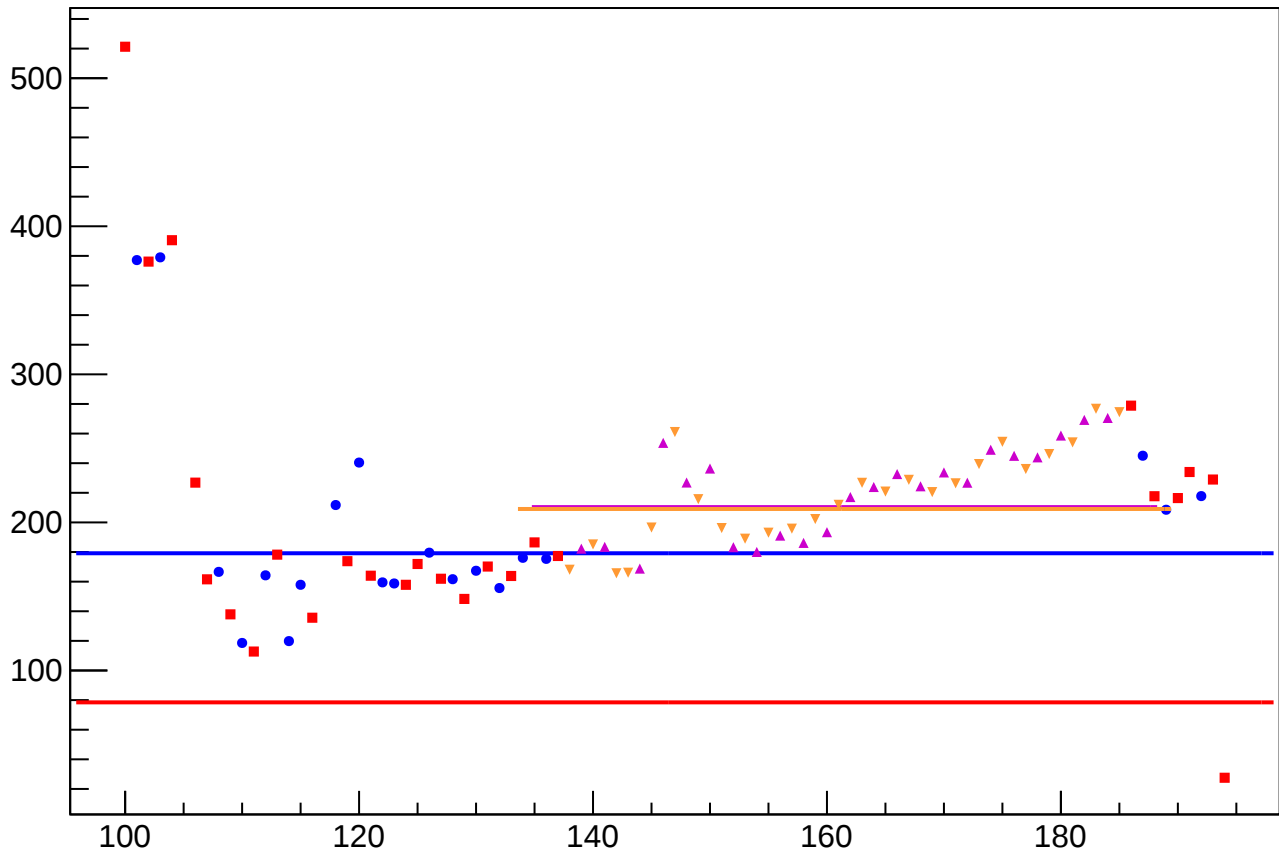
yield_bpm0i07WS_mean vs Slug



Right In: 149959.670 $\pm$ 0.067 χ^2 /NDF: 9838992169.2/19
 Left Out: 151483.385 $\pm$ 0.050 χ^2 /NDF: 1481910066.9/24
 Right Out: 44874.990 $\pm$ 0.035 χ^2 /NDF: 4649762935075.0/24
 Left In: 151363.165 $\pm$ 0.051 χ^2 /NDF: 1421662089.0/22

+ sign 150943.147 $\pm$ 0.040 χ^2 /NDF: 11656551029.
 All: 104221.030 $\pm$ 0.024 χ^2 /NDF: 969361083.
 - sign 79133.125 $\pm$ 0.029 χ^2 /NDF: 7562406566694

yield_bpm0i07WS_rms vs Slug



Right In: 179.170 $\pm$ 0.047 χ^2 /NDF: 1057917.3/19

Left Out: 209.076 $\pm$ 0.035 χ^2 /NDF: 708260.3/24

Right Out: 78.472 $\pm$ 0.025 χ^2 /NDF: 9206035.6/24

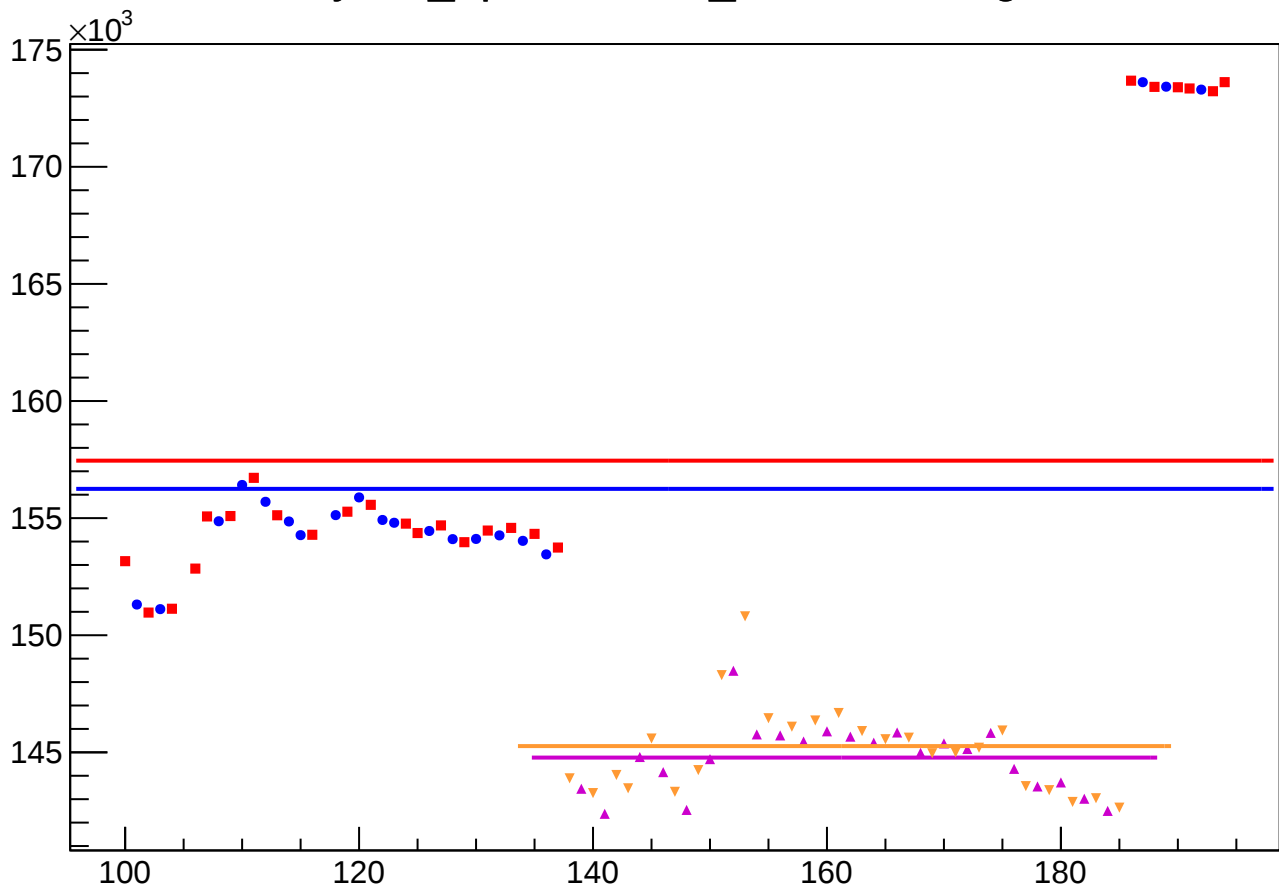
Left In: 210.345 $\pm$ 0.036 χ^2 /NDF: 677747.7/22

+ sign 198.473 $\pm$ 0.028 χ^2 /NDF: 2024773.9/44

All: 147.999 $\pm$ 0.017 χ^2 /NDF: 25785006.1/92

- sign 120.896 $\pm$ 0.021 χ^2 /NDF: 18813020.6/47

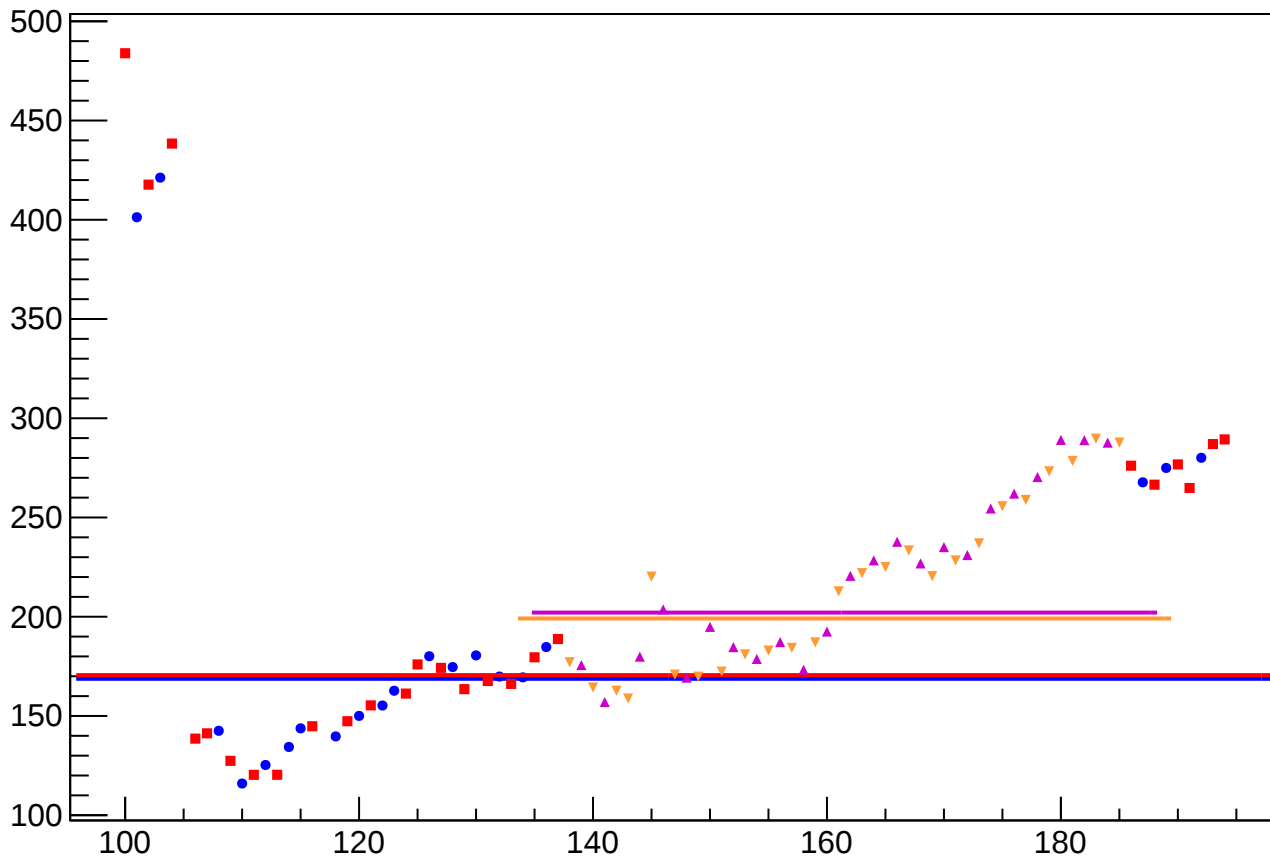
yield_bpm1i02WS_mean vs Slug



Right In: 156249.468 ± 0.063 $\chi^2/\text{NDF}: 6614599531.0/19$
 Left Out: 145266.717 ± 0.047 $\chi^2/\text{NDF}: 1717707352.7/24$
 Right Out: 157453.813 ± 0.056 $\chi^2/\text{NDF}: 13507755786.1/24$
 Left In: 144776.016 ± 0.050 $\chi^2/\text{NDF}: 918120275.4/22$

+ sign 149248.733 ± 0.038 $\chi^2/\text{NDF}: 27802621495.1/24$
 All: 149780.801 ± 0.027 $\chi^2/\text{NDF}: 7111038251.1/24$
 - sign 150296.126 ± 0.037 $\chi^2/\text{NDF}: 42918533551.9/24$

yield_bpm1i02WS_rms vs Slug



Right In: 168.734 $\pm$ 0.044 χ^2 /NDF: 1641571.1/19

Left Out: 199.118 $\pm$ 0.034 χ^2 /NDF:1152231.0/24

Right Out: 170.592 $\pm$ 0.040 χ^2 /NDF: 2364701.8/24

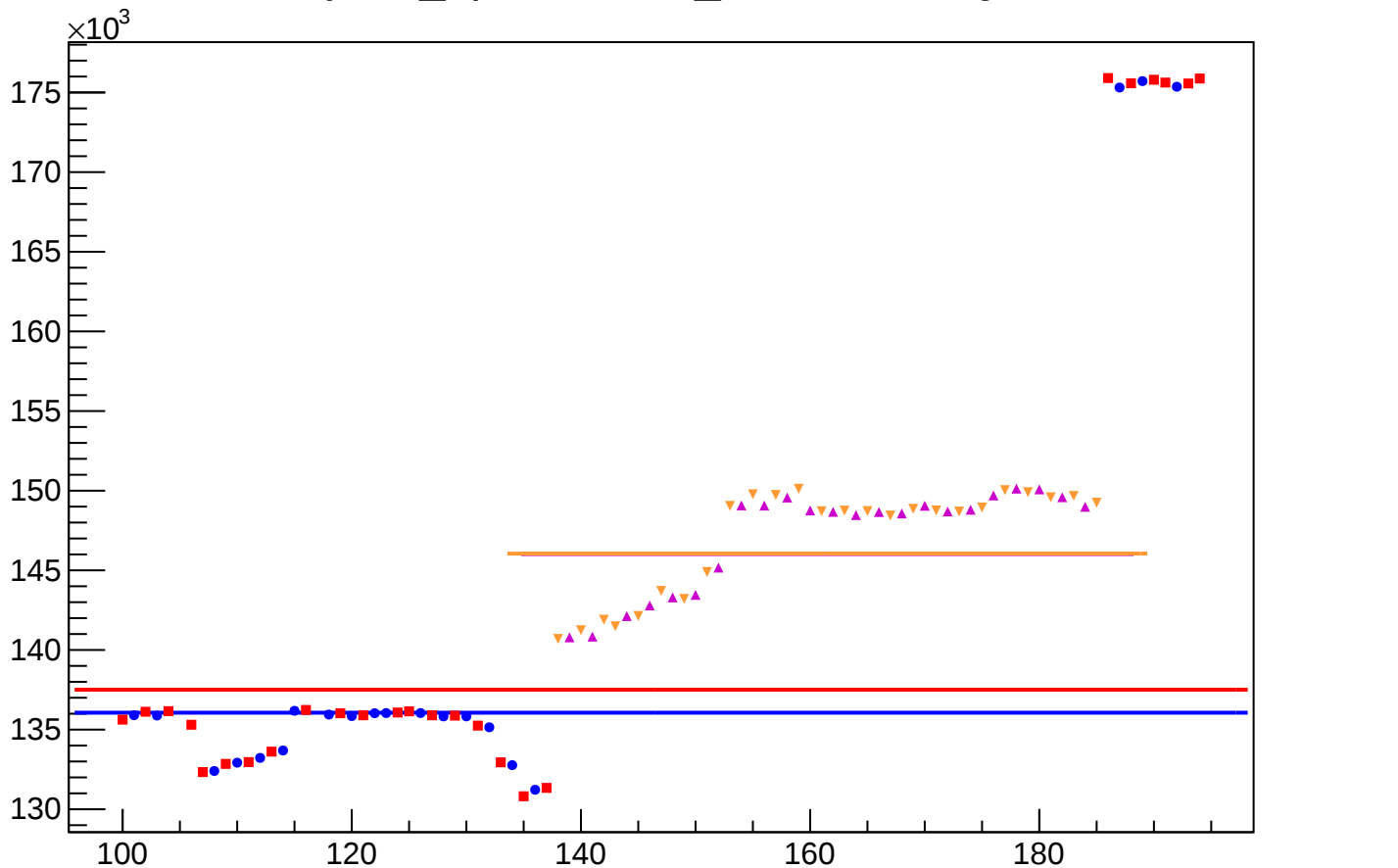
Left In: 202.090 $\pm$ 0.035 χ^2 /NDF:1057833.2/22

+ sign 188.102 $\pm$ 0.027 χ^2 /NDF: 3091830.9/44

All: 188.241 $\pm$ 0.019 χ^2 /NDF: 6866178.0/92

- sign 188.375 $\pm$ 0.026 χ^2 /NDF: 3774294.0/47

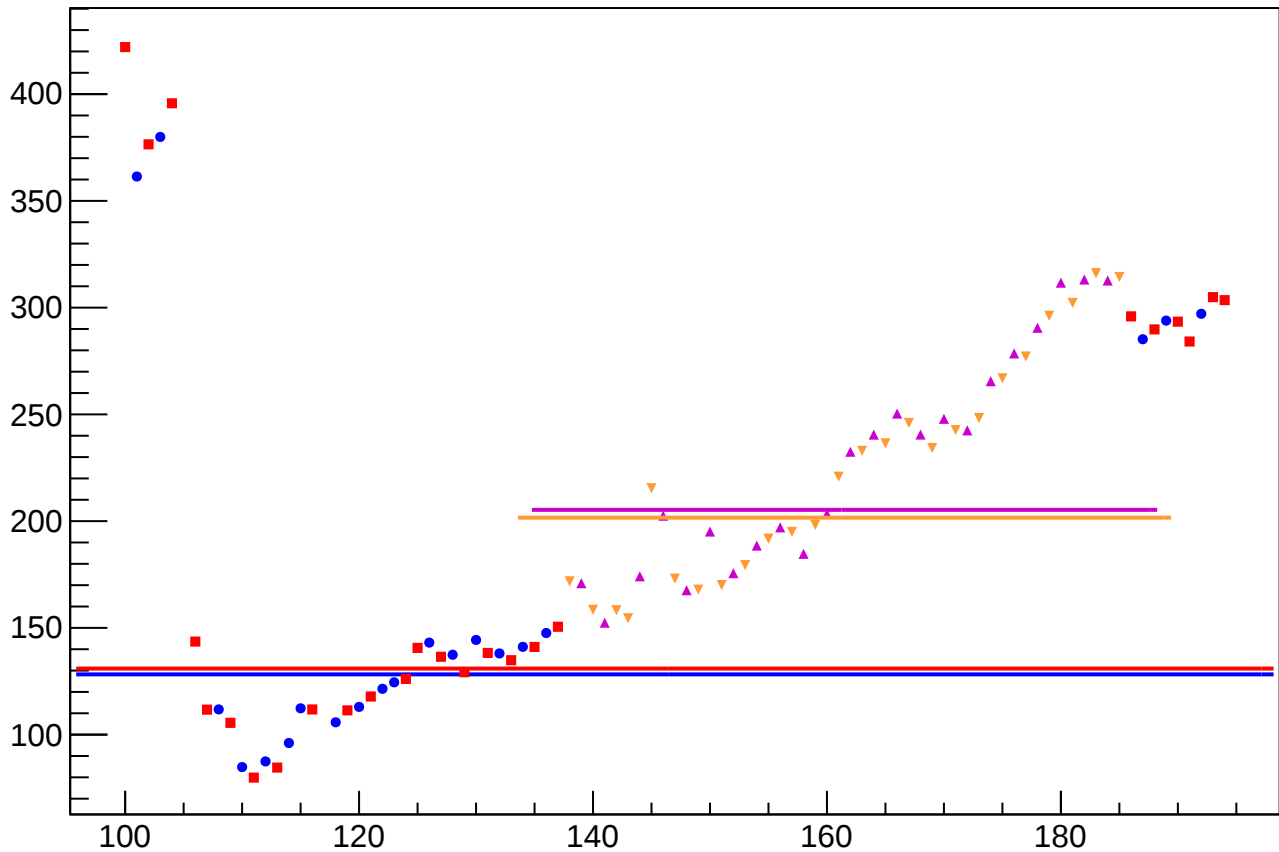
yield_bpm1i04WS_mean vs Slug



Right In: 136062.394 $\pm$ 0.049 χ^2 /NDF: 29763326092.7/19
 Left Out: 146051.733 $\pm$ 0.048 χ^2 /NDF: 5403300123.1/24
 Right Out: 137505.308 $\pm$ 0.045 χ^2 /NDF: 62977991667.6/24
 Left In: 146020.015 $\pm$ 0.051 χ^2 /NDF: 4591425371.4/22

+ sign 141159.490 $\pm$ 0.035 χ^2 /NDF: 56111357375.
 All: 141233.022 $\pm$ 0.024 χ^2 /NDF: 139341569
 - sign 141303.713 $\pm$ 0.034 χ^2 /NDF: 83221304700.4

yield_bpm1i04WS_rms vs Slug



Right In: 128.218 $\pm$ 0.035 χ^2 /NDF: 2489223.2/19

Left Out: 201.632 $\pm$ 0.034 χ^2 /NDF:1589564.0/24

Right Out: 130.942 $\pm$ 0.032 χ^2 /NDF: 3863276.8/24

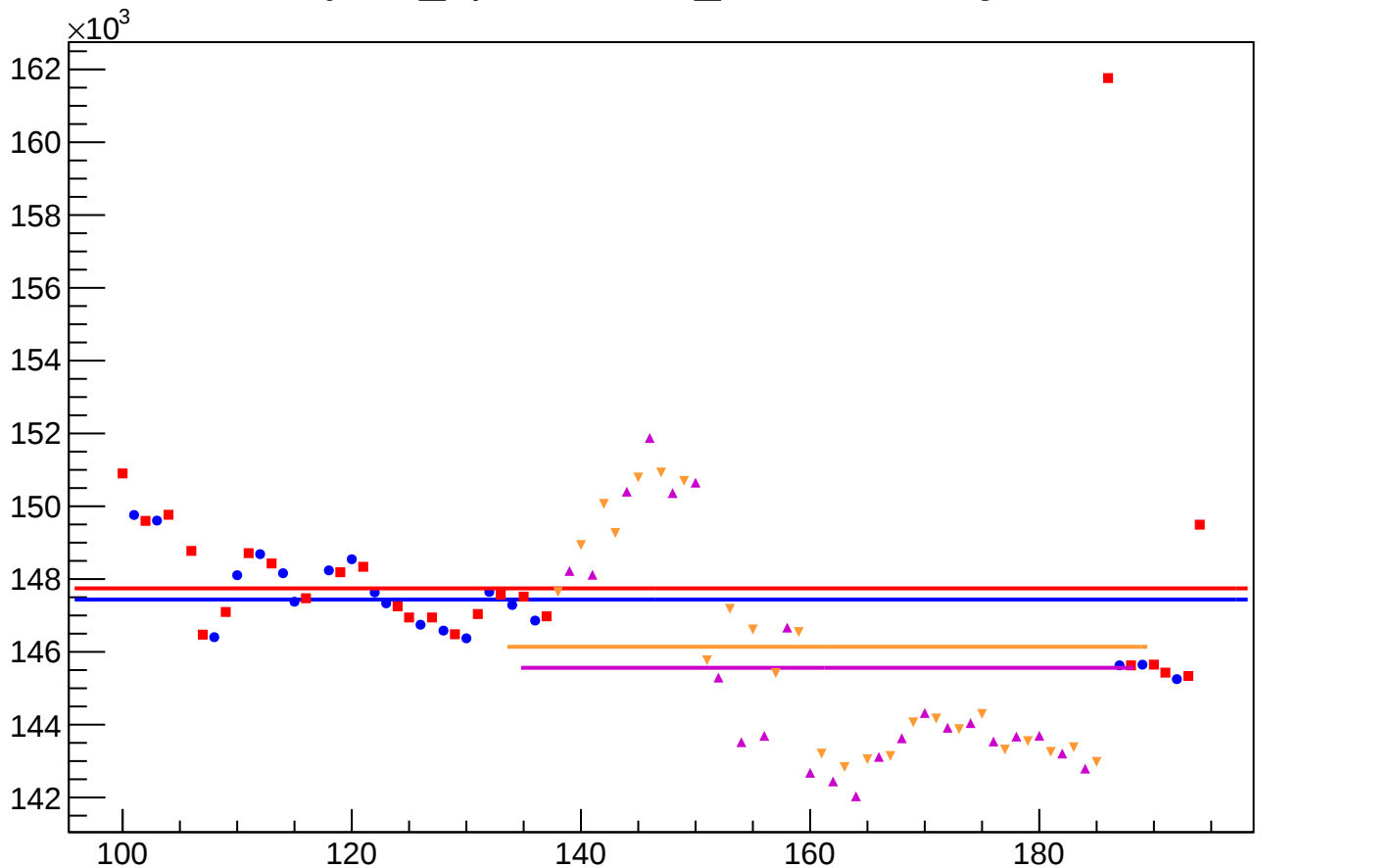
Left In: 205.286 $\pm$ 0.036 χ^2 /NDF:1425292.7/22

+ sign 165.677 $\pm$ 0.024 χ^2 /NDF: 6341272.6/44

All: 164.877 $\pm$ 0.017 χ^2 /NDF: 14018436.6/92

- sign 164.107 $\pm$ 0.024 χ^2 /NDF: 7675050.7/47

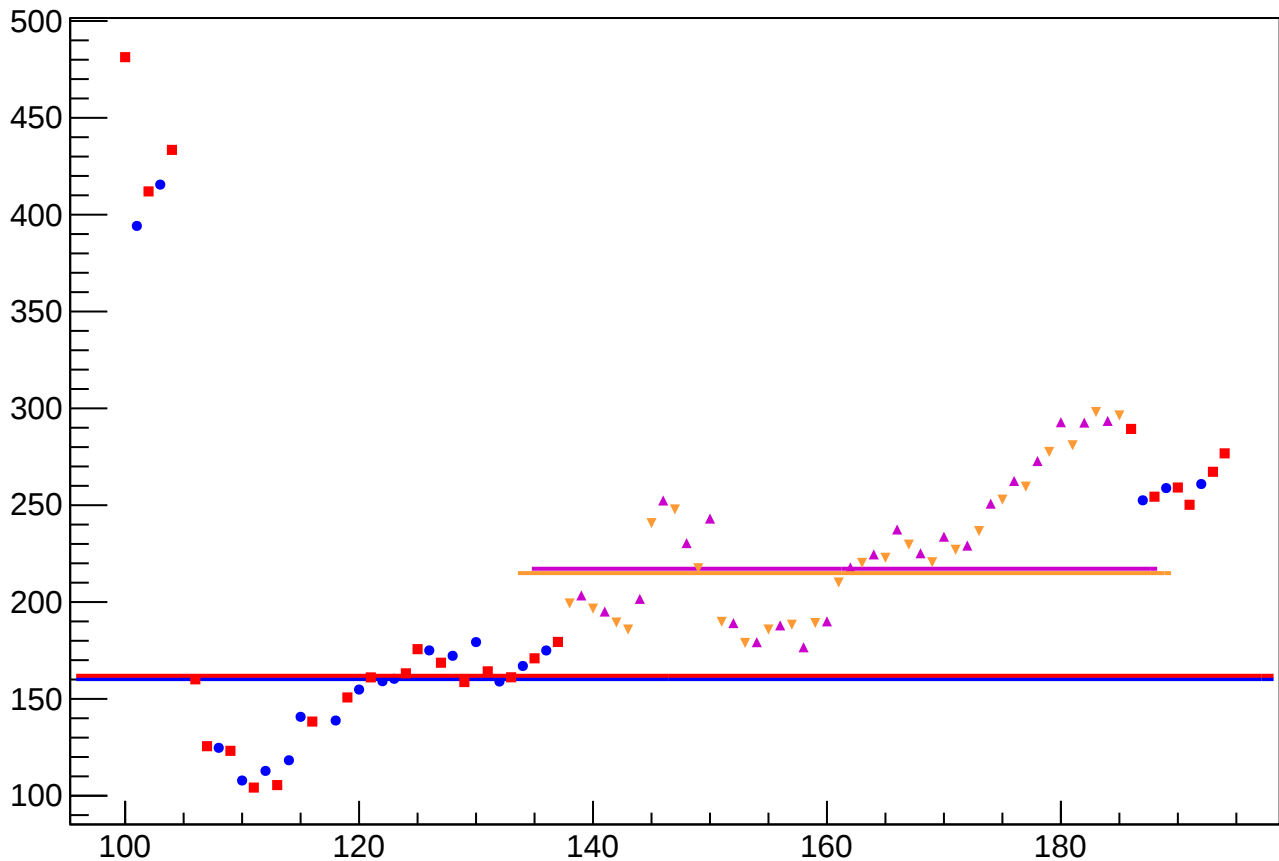
yield_bpm1i06WS_mean vs Slug



Right In: 147437.686 $\pm$ 0.060 χ^2 /NDF: 301004541.0/19
 Left Out: 146139.326 $\pm$ 0.051 χ^2 /NDF: 2699546907.6/24
 Right Out: 147744.547 $\pm$ 0.054 χ^2 /NDF: 1290659168.3/24
 Left In: 145562.386 $\pm$ 0.053 χ^2 /NDF: 3054641996.0/22

+ sign 146683.108 $\pm$ 0.039 χ^2 /NDF: 3273003808.9
 All: 146657.571 $\pm$ 0.027 χ^2 /NDF: 844892380
 - sign 146633.253 $\pm$ 0.038 χ^2 /NDF: 5175074656.2

yield_bpm1i06WS_rms vs Slug



Right In: 160.216+/-0.042 χ^2/NDF : 1748491.1/19

Left Out: 214.945+/-0.036 χ^2/NDF : 728515.5/24

Right Out: 161.943+/-0.038 χ^2/NDF : 2596155.1/24

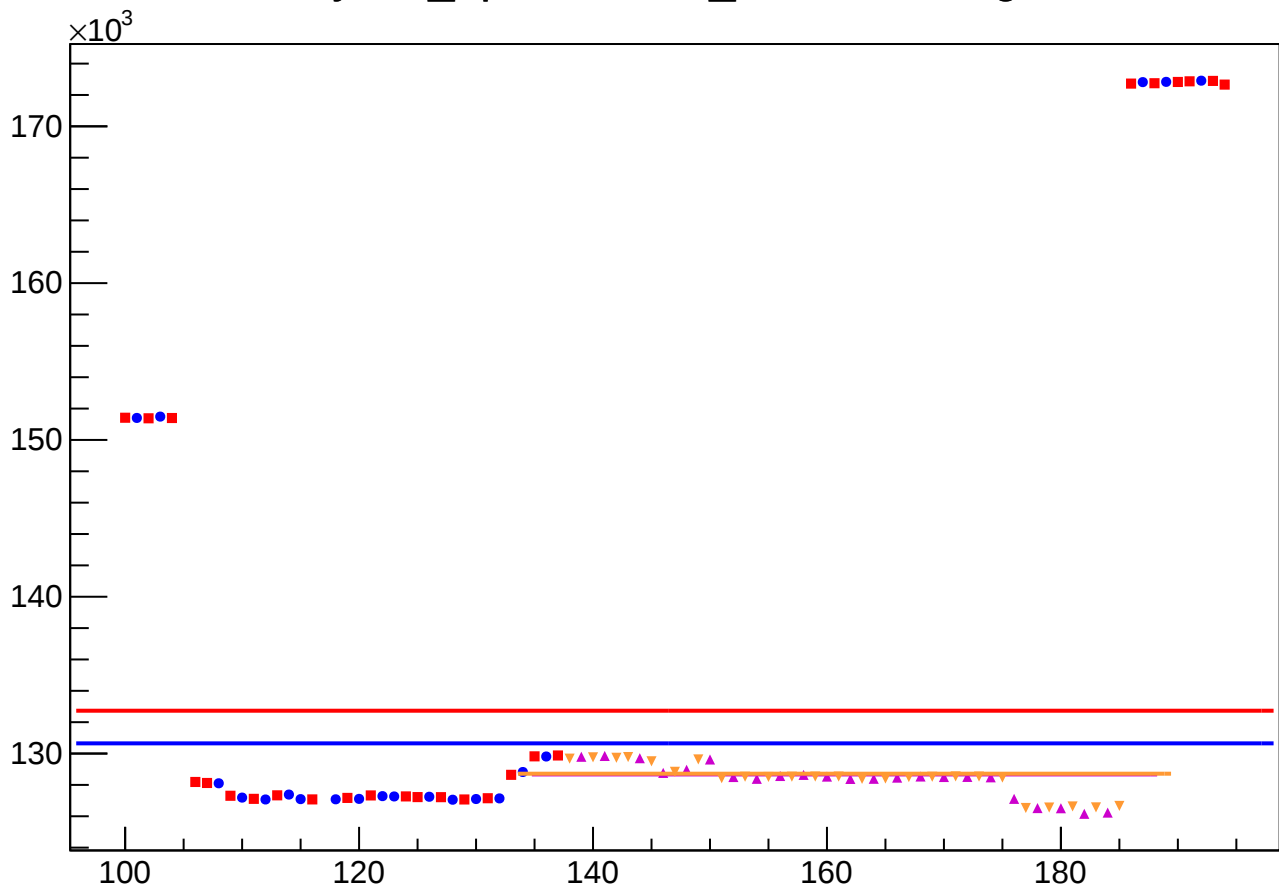
Left In: 217.203+/-0.038 χ^2/NDF : 764798.3/22

+ sign 192.023+/-0.027 χ^2/NDF : 3445203.2/44

All: 191.030+/-0.019 χ^2/NDF : 7872980.2/92

- sign 190.085+/-0.027 χ^2/NDF : 4425220.9/47

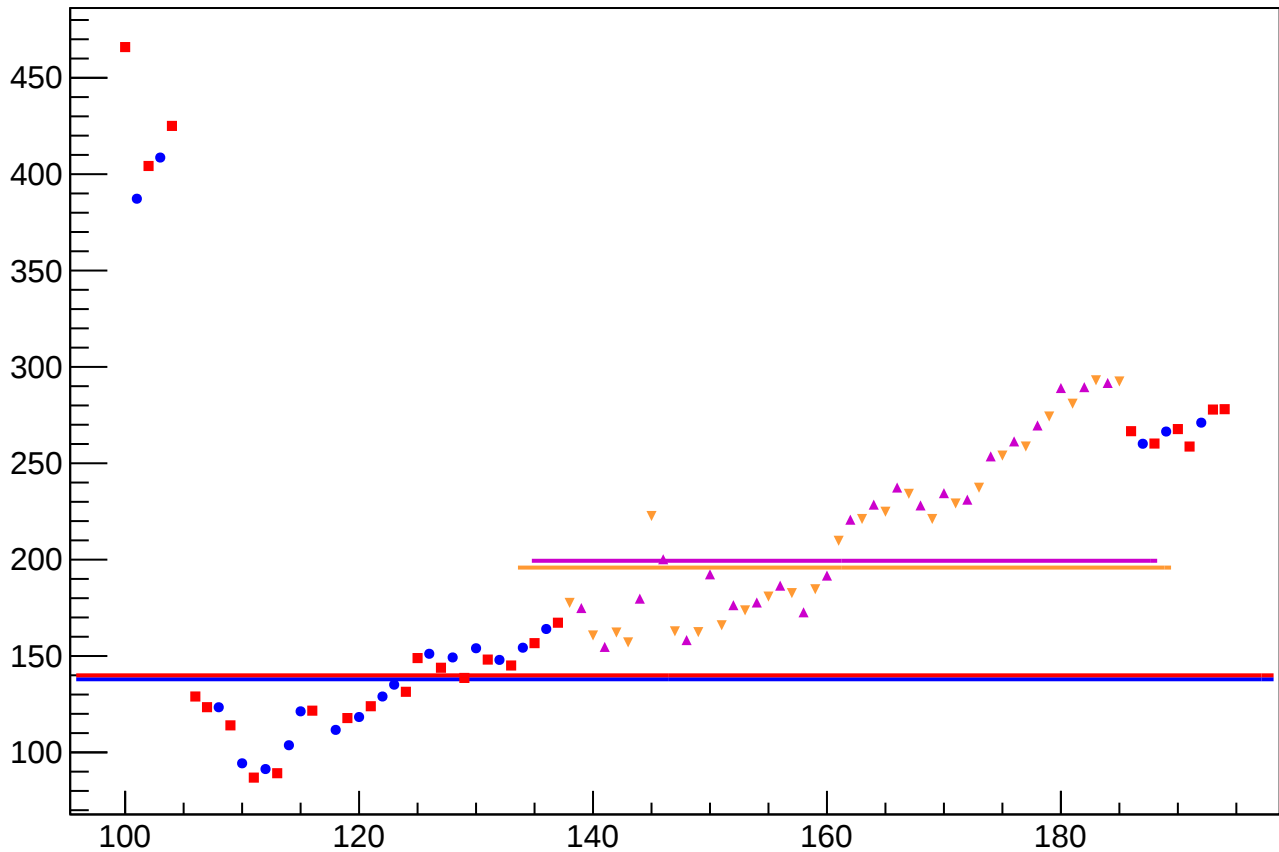
yield_bpm2i01WS_mean vs Slug



Right In: 130649.619 $\pm$ 0.053 χ^2 /NDF: 44615945813.5/19
 Left Out: 128714.507 $\pm$ 0.047 χ^2 /NDF: 348178101.1/24
 Right Out: 132731.441 $\pm$ 0.048 χ^2 /NDF: 88548859425.5/24
 Left In: 128667.013 $\pm$ 0.049 χ^2 /NDF: 333059477.6/22

+ sign 129567.538 $\pm$ 0.035 χ^2 /NDF: 45721084496.
 All: 130175.610 $\pm$ 0.024 χ^2 /NDF: 138735257.
 - sign 130757.040 $\pm$ 0.034 χ^2 /NDF: 92421017725.5

yield_bpm2i01WS_rms vs Slug



Right In: 137.929 $\pm$ 0.037 χ^2 /NDF: 2254410.2/19

Left Out: 195.883 $\pm$ 0.033 χ^2 /NDF:1313361.5/24

Right Out: 139.974 $\pm$ 0.034 χ^2 /NDF: 3298984.1/24

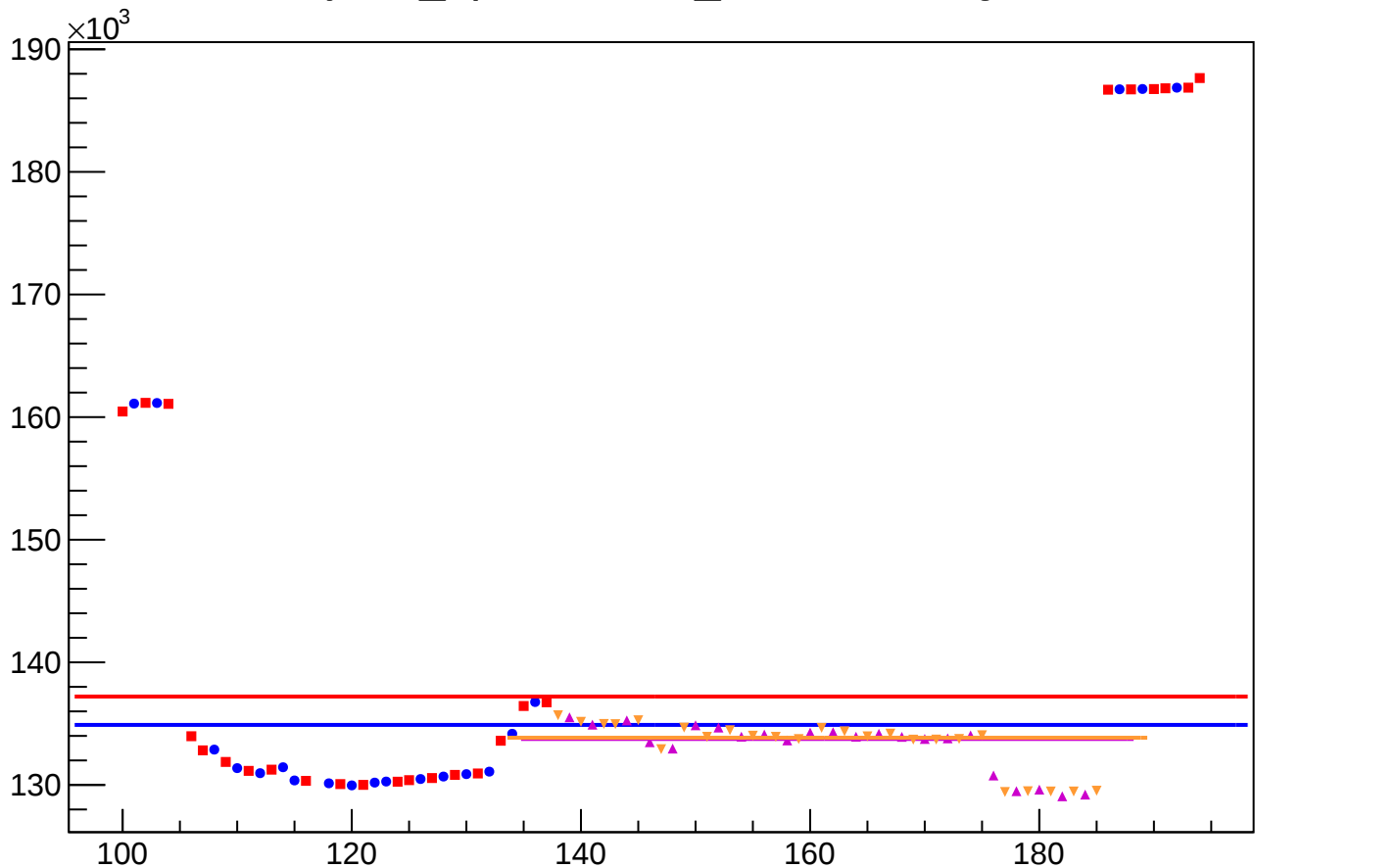
Left In: 199.413 $\pm$ 0.035 χ^2 /NDF:1165698.7/22

+ sign 170.336 $\pm$ 0.025 χ^2 /NDF: 4925627.6/44

All: 169.575 $\pm$ 0.017 χ^2 /NDF: 10905994.4/92

- sign 168.848 $\pm$ 0.024 χ^2 /NDF: 5978511.5/47

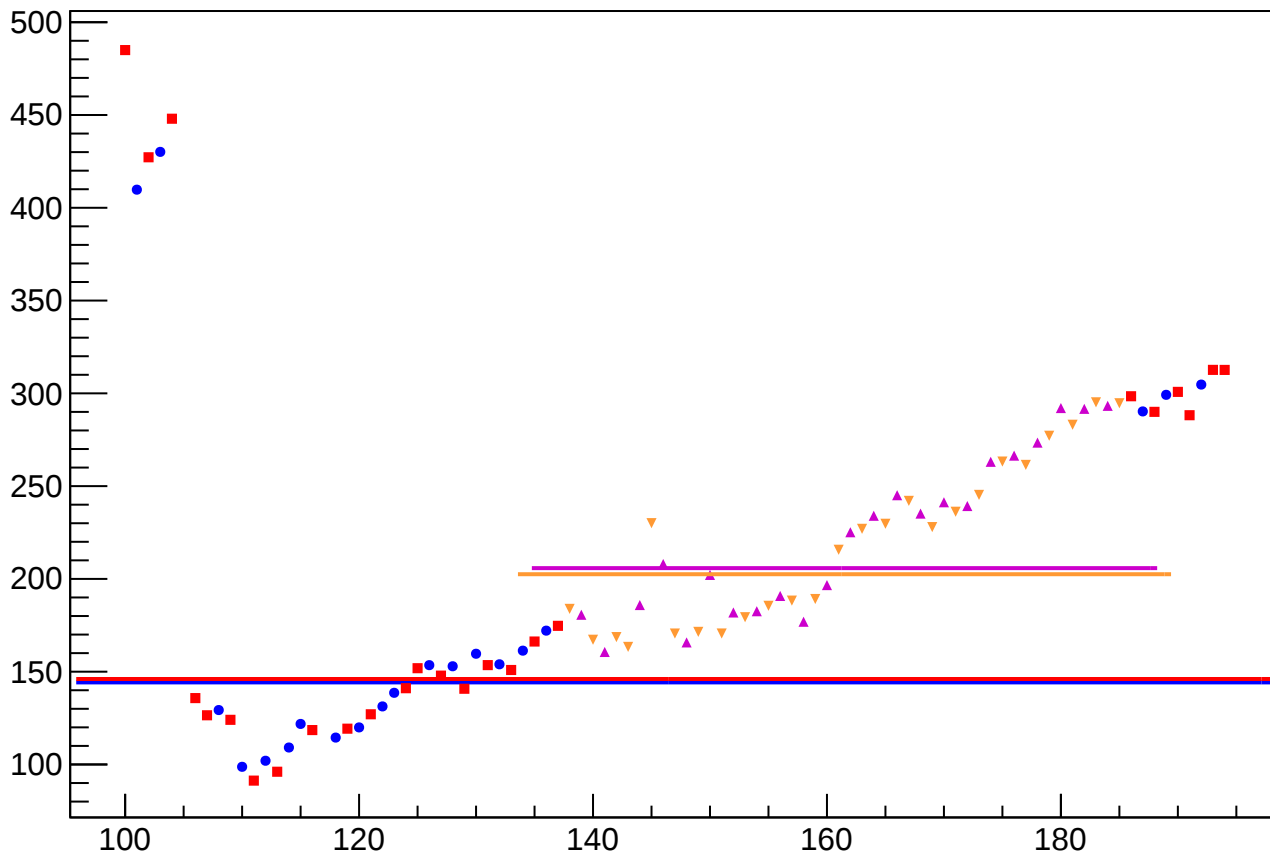
yield_bpm2i02WS_mean vs Slug



Right In: 134897.178 ± 0.055 $\chi^2/\text{NDF}: 54670394578.7/19$
 Left Out: 133850.586 ± 0.048 $\chi^2/\text{NDF}: 1080107831.1/24$
 Right Out: 137207.371 ± 0.050 $\chi^2/\text{NDF}: 108775858390.9/24$
 Left In: 133749.630 ± 0.051 $\chi^2/\text{NDF}: 954069486.7/22$

+ sign 134304.139 ± 0.036 $\chi^2/\text{NDF}: 55954645815.$
 All: 134912.693 ± 0.025 $\chi^2/\text{NDF}: 16860154.$
 - sign 135496.007 ± 0.036 $\chi^2/\text{NDF}: 112096403281.$

yield_bpm2i02WS_rms vs Slug



Right In: 144.229 $\pm$ 0.039 χ^2 /NDF: 2322189.1/19

Left Out: 202.527 $\pm$ 0.034 χ^2 /NDF:1211991.5/24

Right Out: 146.062 $\pm$ 0.035 χ^2 /NDF: 3515085.9/24

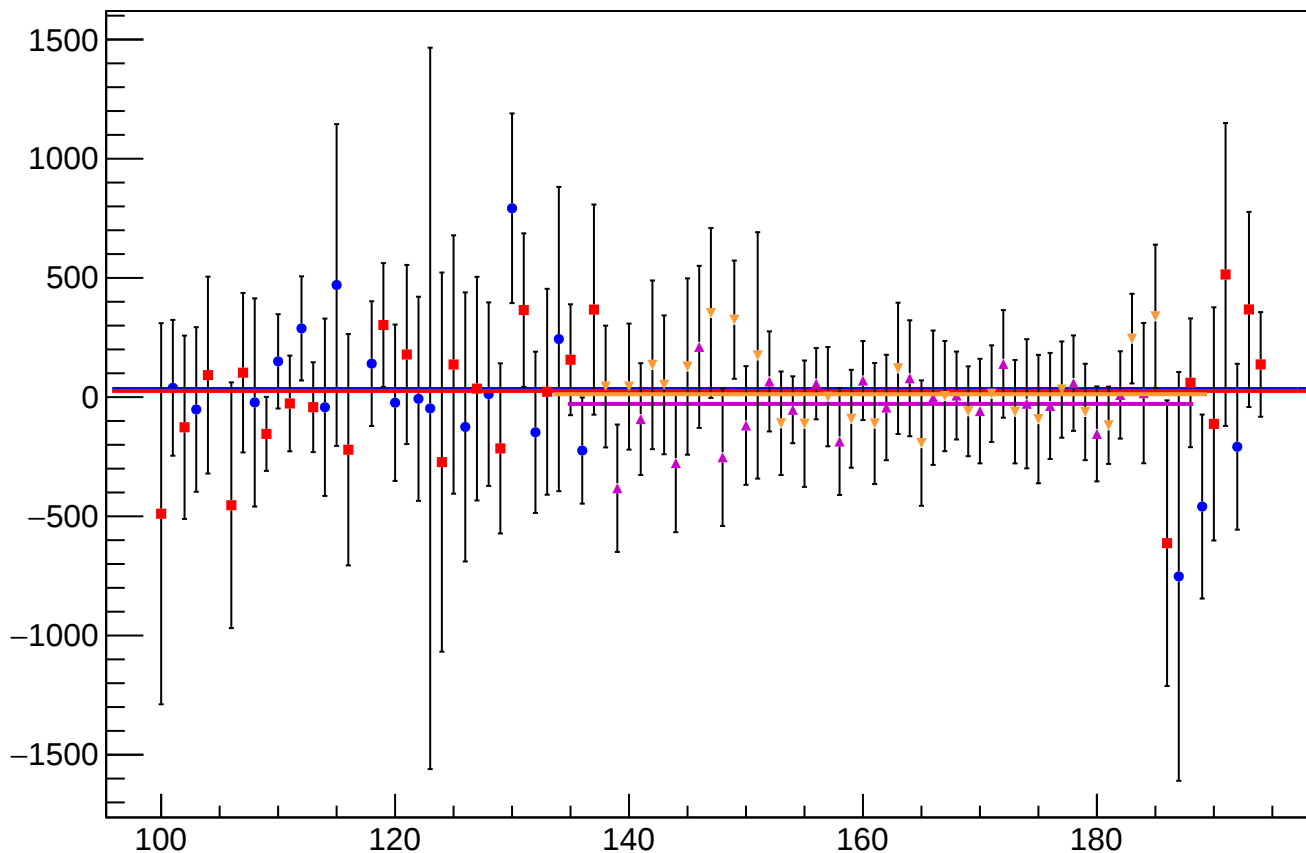
Left In: 205.808 $\pm$ 0.036 χ^2 /NDF:1094330.7/22

+ sign 177.263 $\pm$ 0.026 χ^2 /NDF: 4801011.8/44

All: 176.431 $\pm$ 0.018 χ^2 /NDF: 10825572.6/92

- sign 175.632 $\pm$ 0.025 χ^2 /NDF: 6022499.4/47

asym_bcm_an_ds_mean vs Slug



Right In: 33.989 ± 75.458 χ^2/NDF : 10.9/19

Left Out: 12.180 ± 47.531 χ^2/NDF : 8.6/24

Right Out: 26.044 ± 62.809 χ^2/NDF : 10.1/24

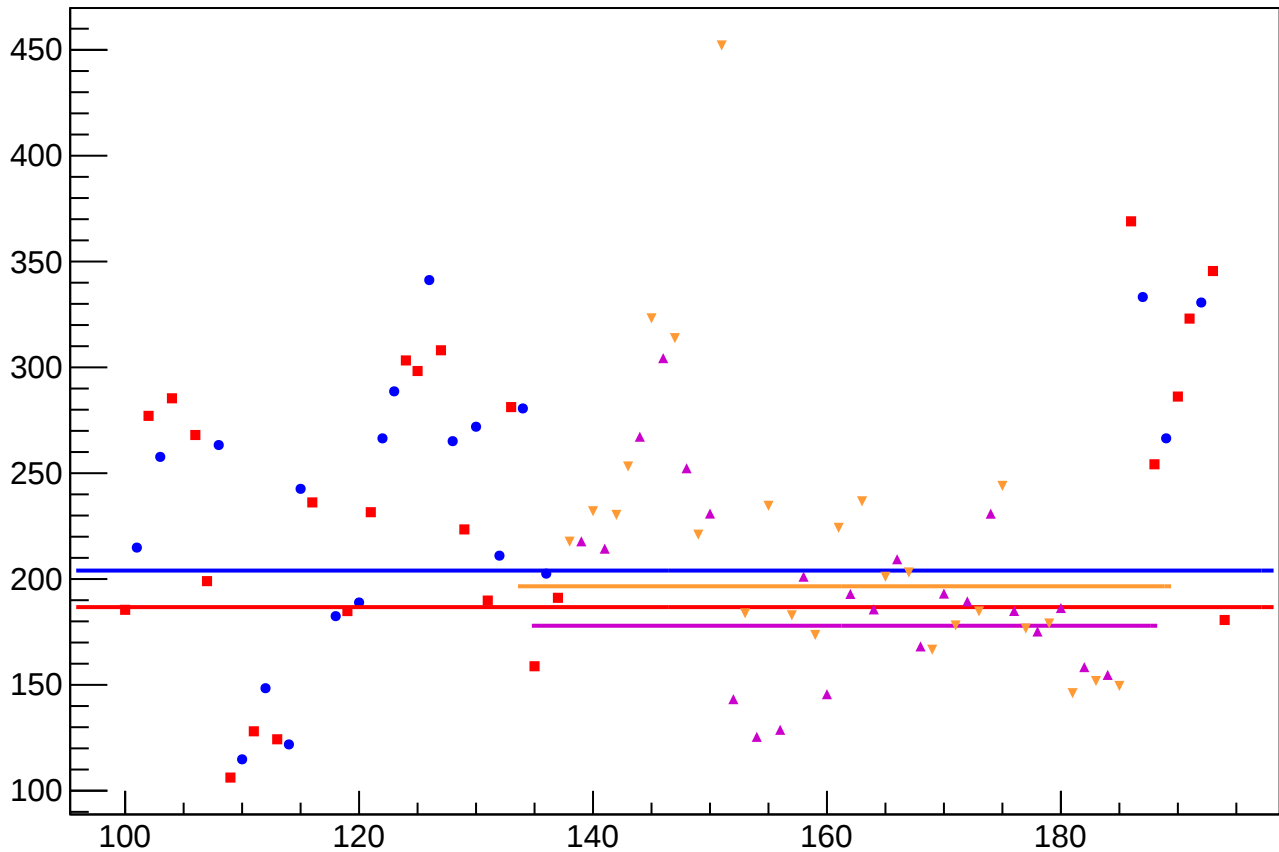
Left In: -28.452 ± 44.688 χ^2/NDF : 6.7/22

+ sign 18.375 ± 40.217 χ^2/NDF : 19.5/44

All: 2.707 ± 26.993 χ^2/NDF : 37.0/92

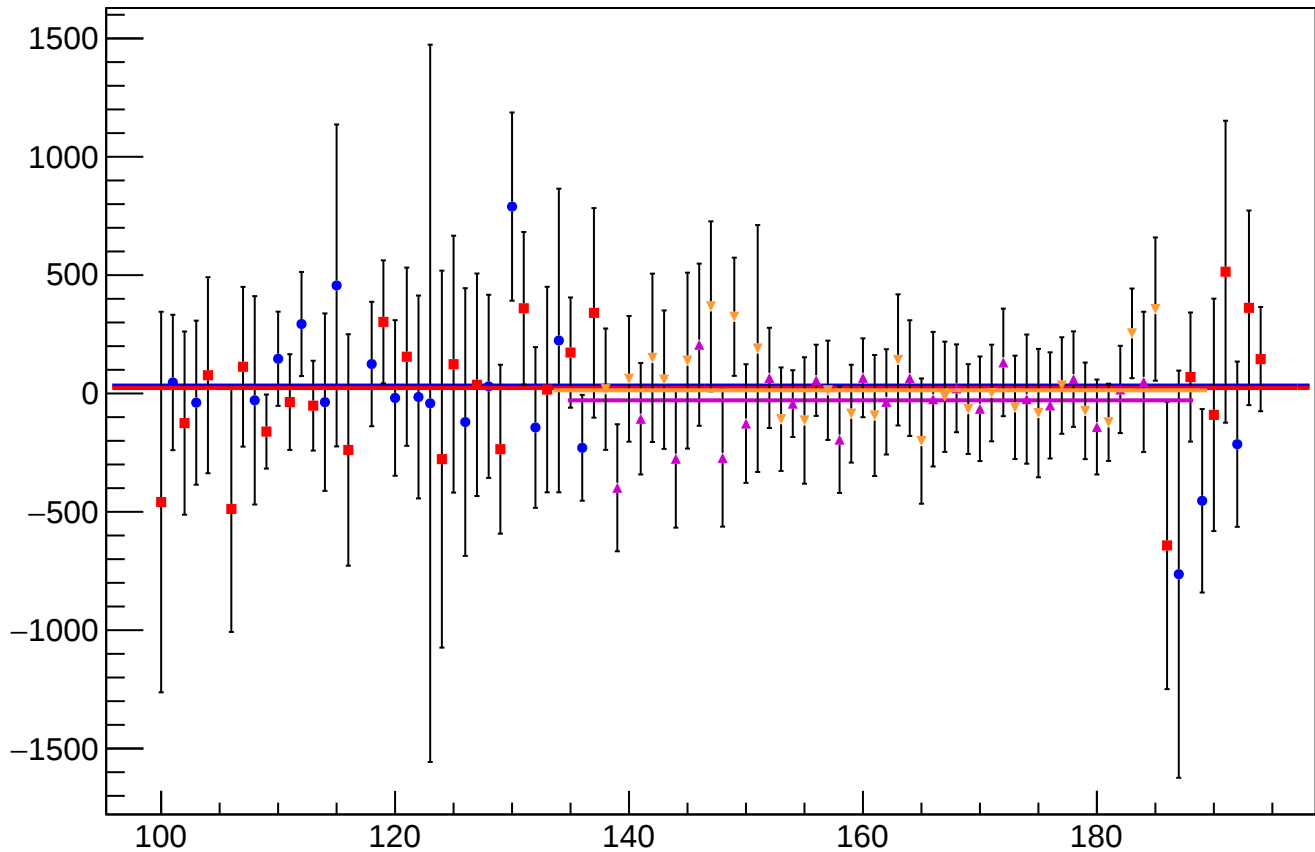
- sign -10.136 ± 36.412 χ^2/NDF : 17.2/47

asym_bcm_an_ds_rms vs Slug



Right In: 204.000 $\pm$ 0.053	χ^2 /NDF: 1414718.0/19	+ sign 198.685 $\pm$ 0.028	χ^2 /NDF: 3207297.8/44
Left Out: 196.576 $\pm$ 0.034	χ^2 /NDF: 1778719.0/24	All: 188.907 $\pm$ 0.019	χ^2 /NDF: 7504921.5/92
Right Out: 186.736 $\pm$ 0.044	χ^2 /NDF: 2450617.7/24	- sign 180.891 $\pm$ 0.026	χ^2 /NDF: 4082479.9/47
Left In: 177.933 $\pm$ 0.032	χ^2 /NDF: 1605780.8/22		

asym_bcm_an_ds3_mean vs Slug



Right In: 33.558 $\pm$ 75.819 χ^2 /NDF: 10.7/19

Left Out: 13.395 $\pm$ 47.862 χ^2 /NDF:9.0/24

Right Out: 22.994 $\pm$ 63.148 χ^2 /NDF: 10.3/24

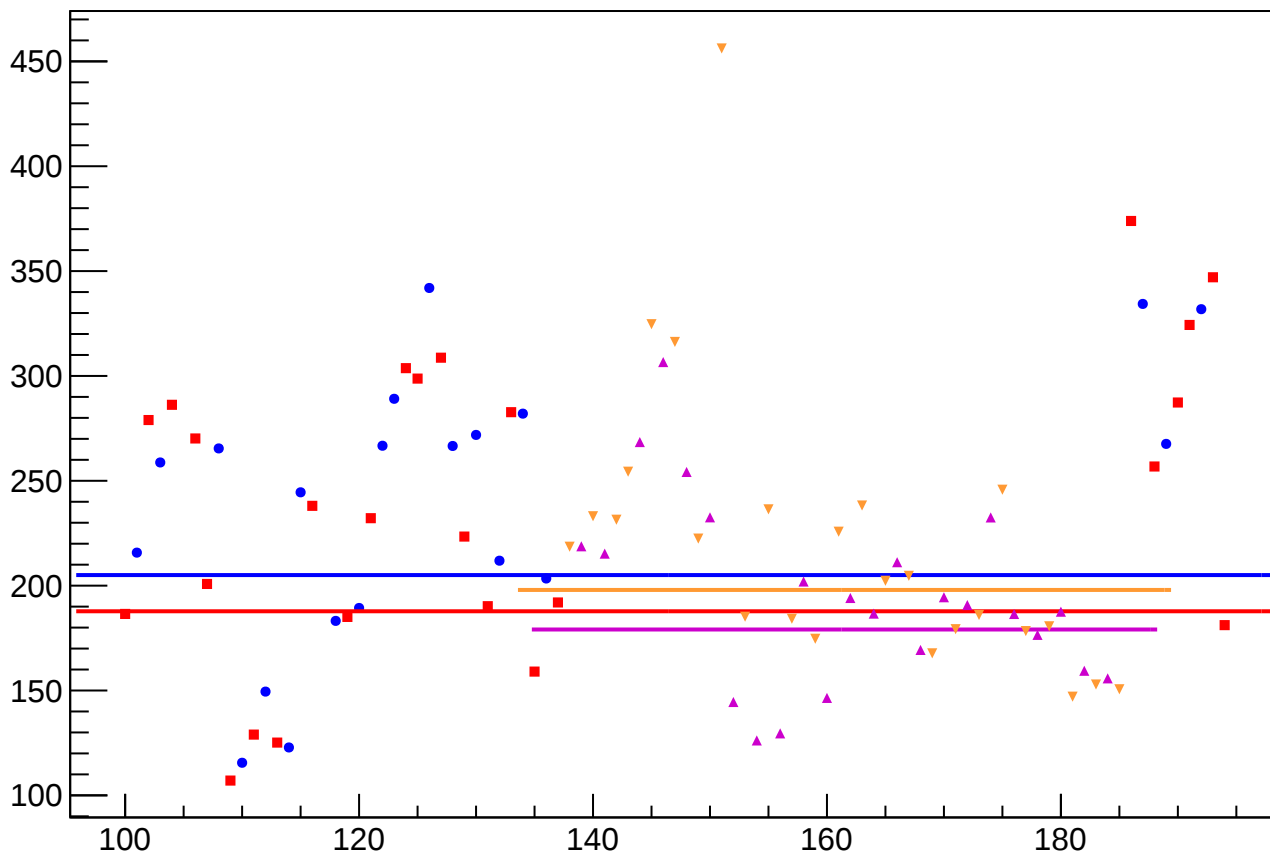
Left In: -28.806 $\pm$ 44.980 χ^2 /NDF:6.8/22

+ sign 19.140 $\pm$ 40.473 χ^2 /NDF: 19.8/44

All: 2.370 $\pm$ 27.161 χ^2 /NDF: 37.7/92

- sign -11.371 $\pm$ 36.636 χ^2 /NDF: 17.6/47

asym_bcm_an_ds3_rms vs Slug



Right In: 205.045 $\pm$ 0.054 χ^2 /NDF: 1404345.0/19

Left Out: 197.953 $\pm$ 0.034 χ^2 /NDF:1774524.3/24

Right Out: 187.782 $\pm$ 0.045 χ^2 /NDF: 2442790.8/24

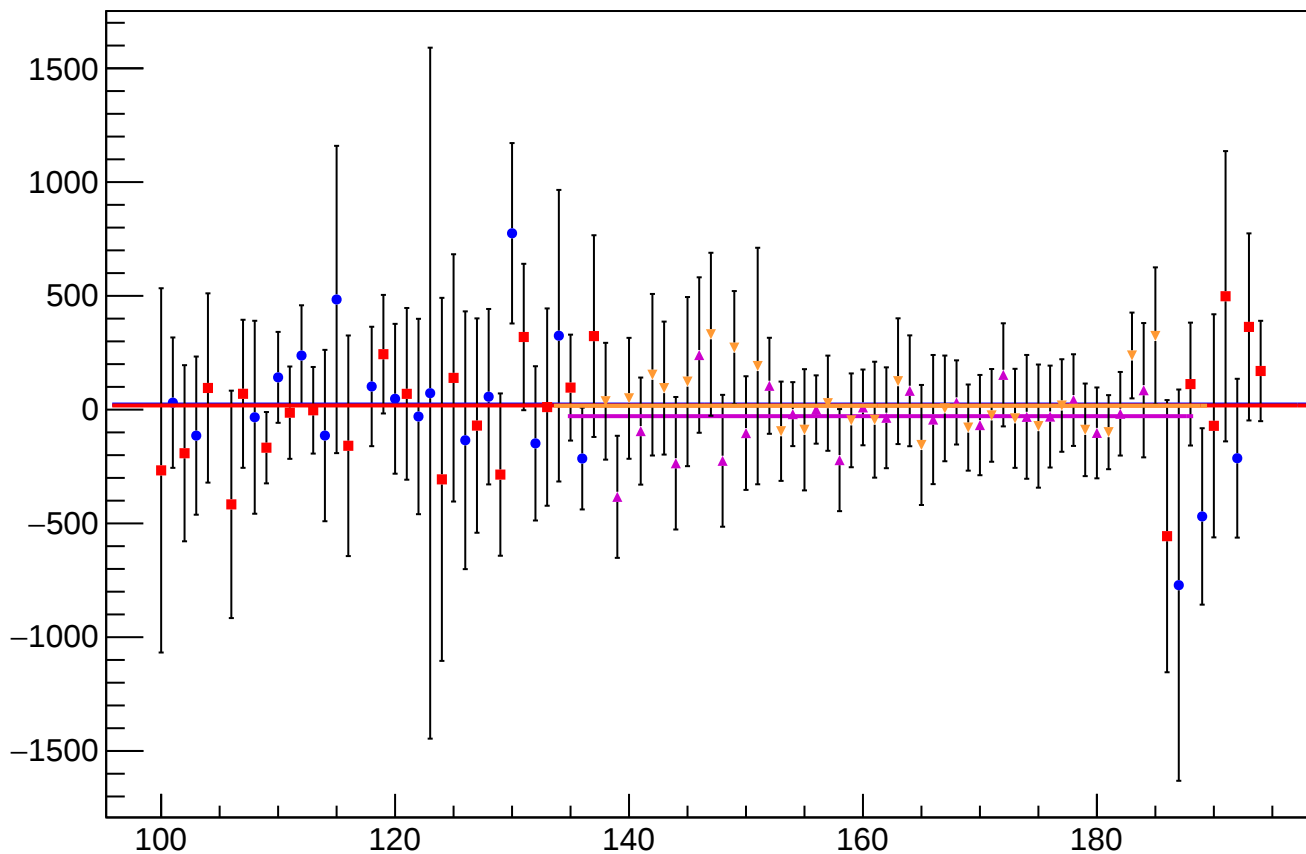
Left In: 179.090 $\pm$ 0.032 χ^2 /NDF:1605113.3/22

+ sign 199.974 $\pm$ 0.029 χ^2 /NDF: 3191381.3/44

All: 190.103 $\pm$ 0.019 χ^2 /NDF: 7480846.7/92

- sign 182.015 $\pm$ 0.026 χ^2 /NDF: 4073041.4/47

asym_bcm_an_us_mean vs Slug



Right In: 22.459 ± 75.815 χ^2/NDF : 10.4/19

Left Out: 17.142 ± 47.738 χ^2/NDF : 7.1/24

Right Out: 18.323 ± 63.051 χ^2/NDF : 8.8/24

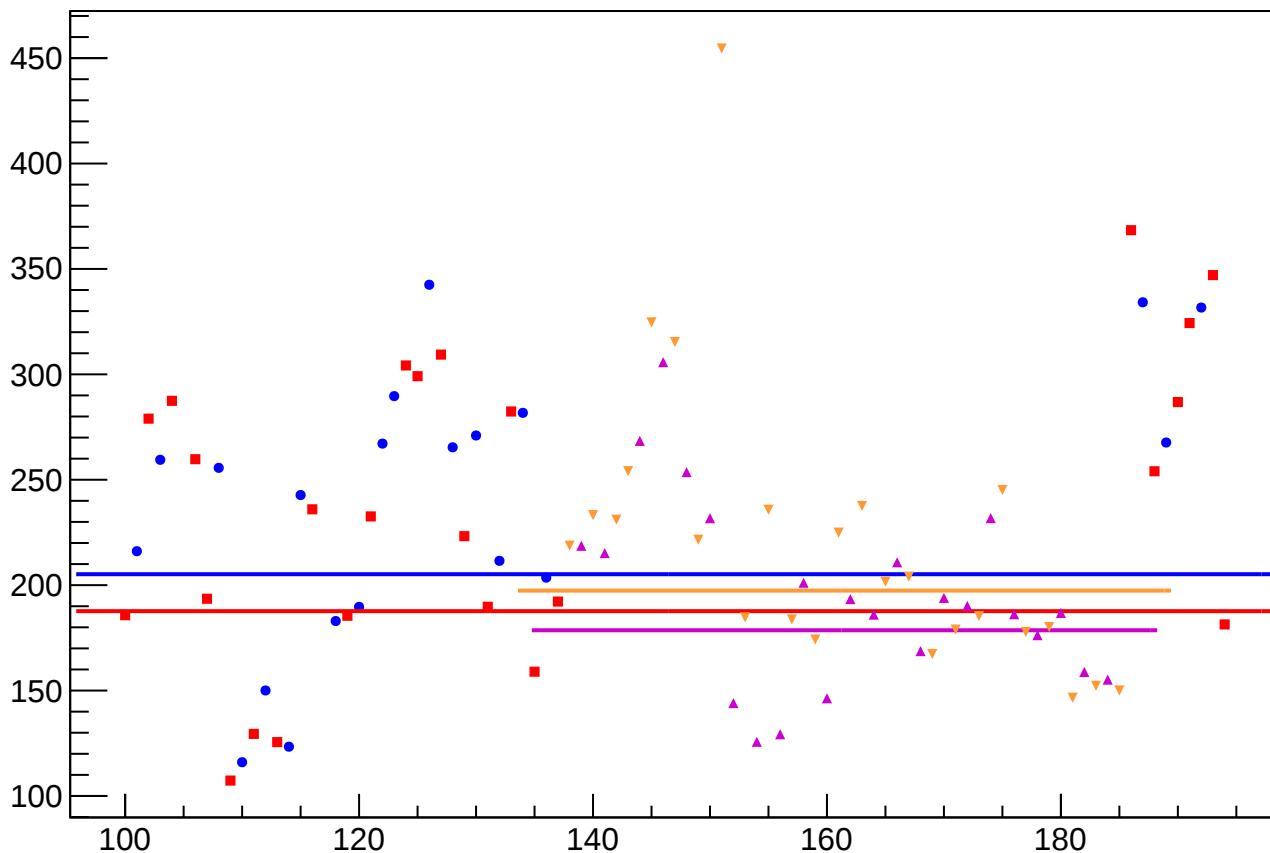
Left In: -28.655 ± 44.859 χ^2/NDF : 6.1/22

+ sign 18.651 ± 40.397 χ^2/NDF : 17.5/44

All: 1.321 ± 27.104 χ^2/NDF : 33.2/92

- sign -12.867 ± 36.552 χ^2/NDF : 15.3/47

asym_bcm_an_us_rms vs Slug



Right In: 205.192 $\pm$ 0.054 χ^2 /NDF: 1380830.4/19

Left Out: 197.422 $\pm$ 0.034 χ^2 /NDF:1780261.9/24

Right Out: 187.673 $\pm$ 0.045 χ^2 /NDF: 2406324.9/24

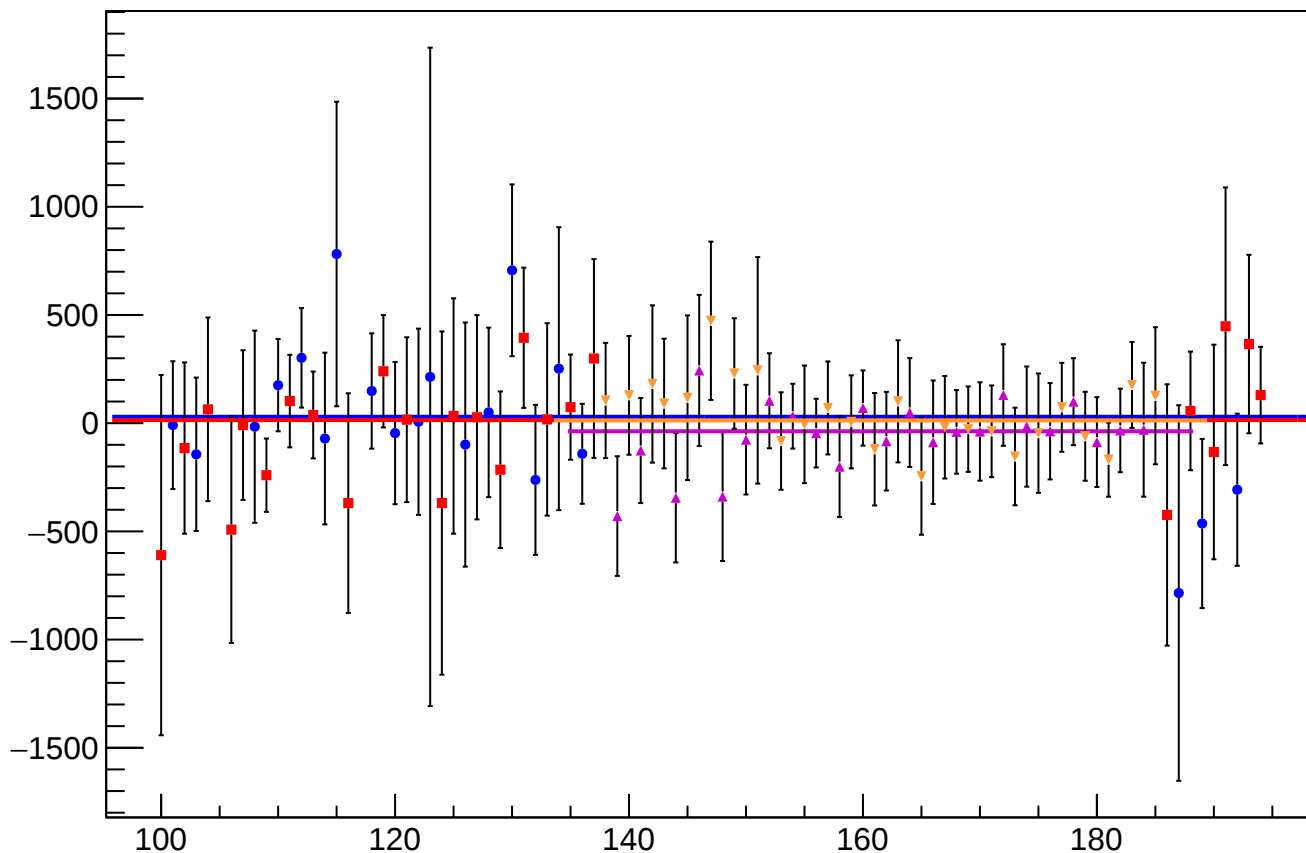
Left In: 178.601 $\pm$ 0.032 χ^2 /NDF:1608998.1/22

+ sign 199.628 $\pm$ 0.029 χ^2 /NDF: 3176135.5/44

All: 189.743 $\pm$ 0.019 χ^2 /NDF: 7436737.1/92

- sign 181.650 $\pm$ 0.026 χ^2 /NDF: 4042811.3/47

asym_bcm_dg_us_mean vs Slug



Right In: 29.594 $\pm$ 78.008 χ^2 /NDF: 11.3/19

Left Out: 12.632 $\pm$ 49.242 χ^2 /NDF: 7.5/24

Right Out: 14.224 $\pm$ 65.303 χ^2 /NDF: 9.9/24

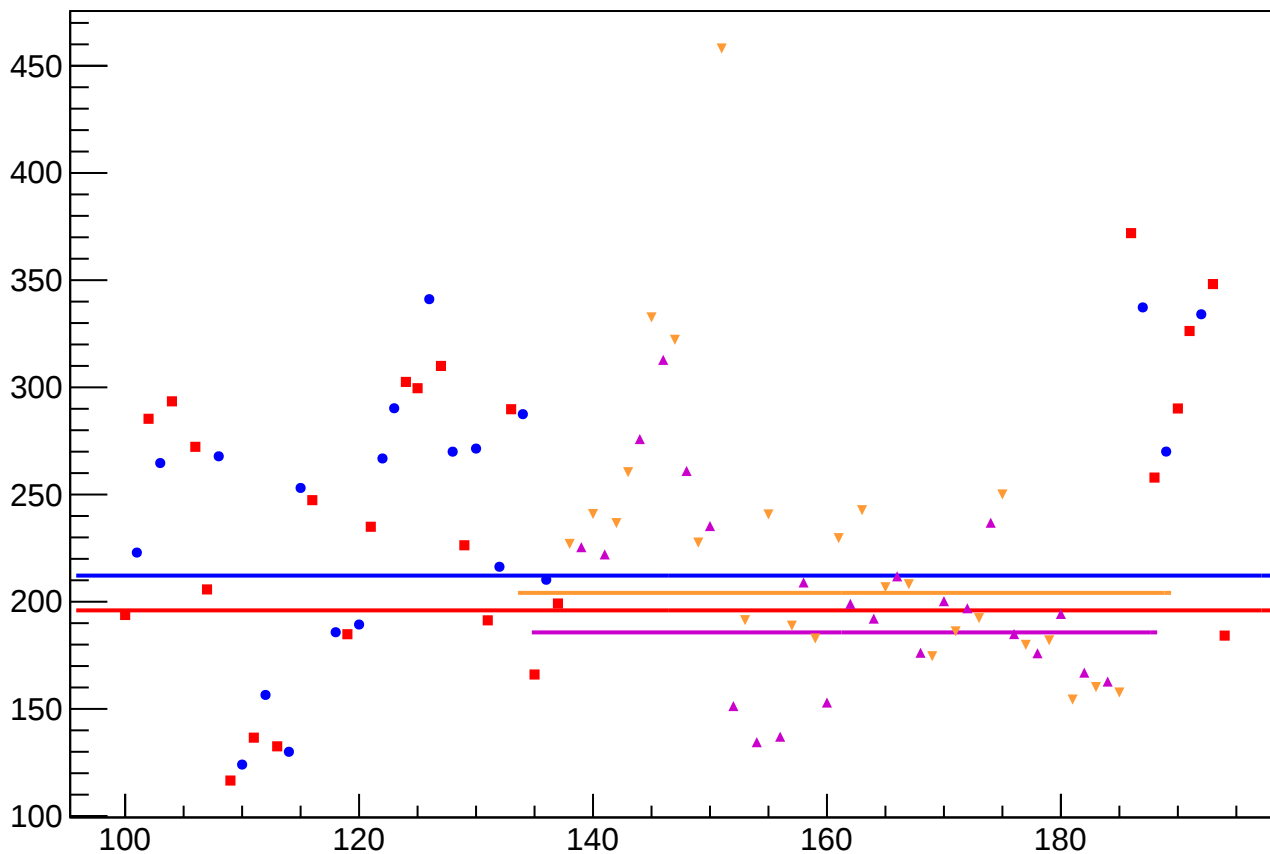
Left In: -37.460 $\pm$ 46.479 χ^2 /NDF: 7.6/22

+ sign 17.465 $\pm$ 41.640 χ^2 /NDF: 18.9/44

All: -3.086 $\pm$ 28.015 χ^2 /NDF: 37.3/92

- sign -20.082 $\pm$ 37.867 χ^2 /NDF: 18.0/47

asym_bcm_dg_us_rms vs Slug



Right In: 212.193 $\pm$ 0.055 χ^2 /NDF: 1241872.4/19

Left Out: 204.132 $\pm$ 0.035 χ^2 /NDF:1672287.6/24

Right Out: 195.964 $\pm$ 0.046 χ^2 /NDF: 2154788.8/24

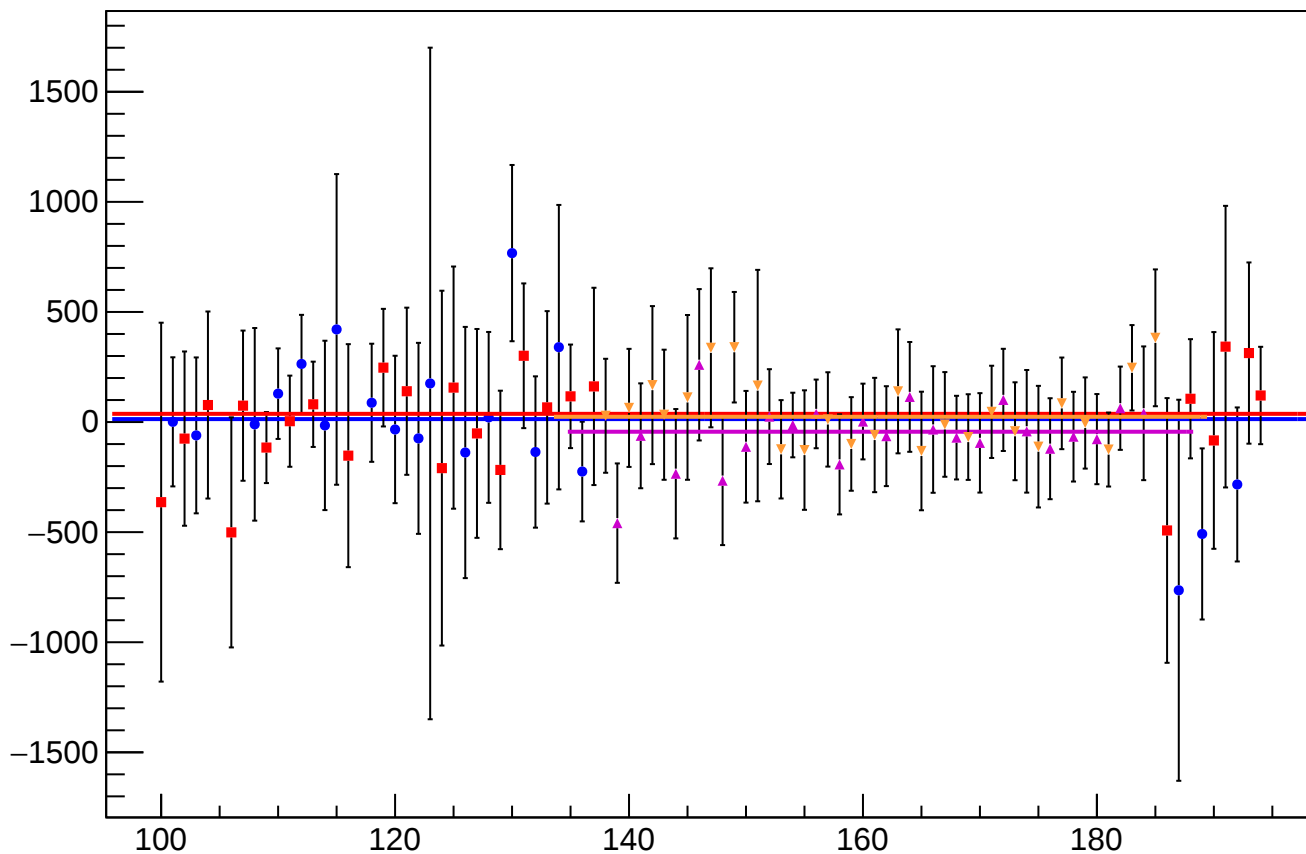
Left In: 185.694 $\pm$ 0.033 χ^2 /NDF:1447767.0/22

+ sign 206.429 $\pm$ 0.029 χ^2 /NDF: 2929431.8/44

All: 196.969 $\pm$ 0.020 χ^2 /NDF: 6753383.4/92

- sign 189.147 $\pm$ 0.027 χ^2 /NDF: 3635388.5/47

asym_bcm_dg_ds_mean vs Slug



Right In: 13.401 $\pm$ 77.058 χ^2 /NDF: 10.6/19

Left Out: 23.843 $\pm$ 48.783 χ^2 /NDF: 8.5/24

Right Out: 37.317 $\pm$ 64.163 χ^2 /NDF: 6.5/24

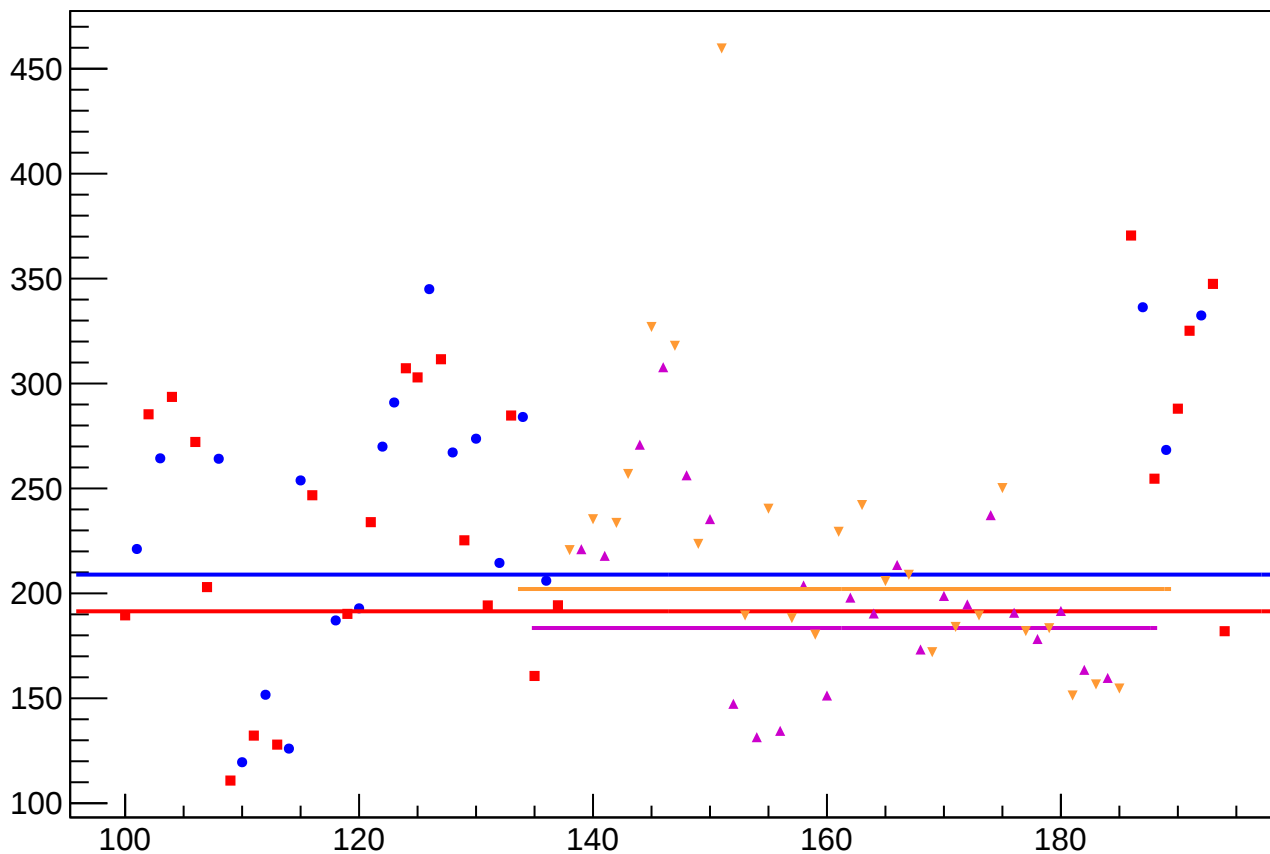
Left In: -43.978 $\pm$ 45.981 χ^2 /NDF: 6.5/22

+ sign 20.855 $\pm$ 41.218 χ^2 /NDF: 19.1/44

All: 0.413 $\pm$ 27.687 χ^2 /NDF: 33.6/92

- sign -16.395 $\pm$ 37.375 χ^2 /NDF: 14.0/47

asym_bcm_dg_ds_rms vs Slug



Right In: 208.943 $\pm$ 0.054 χ^2 /NDF: 1336917.3/19

Left Out: 202.081 $\pm$ 0.034 χ^2 /NDF:1692787.9/24

Right Out: 191.456 $\pm$ 0.045 χ^2 /NDF: 2343055.7/24

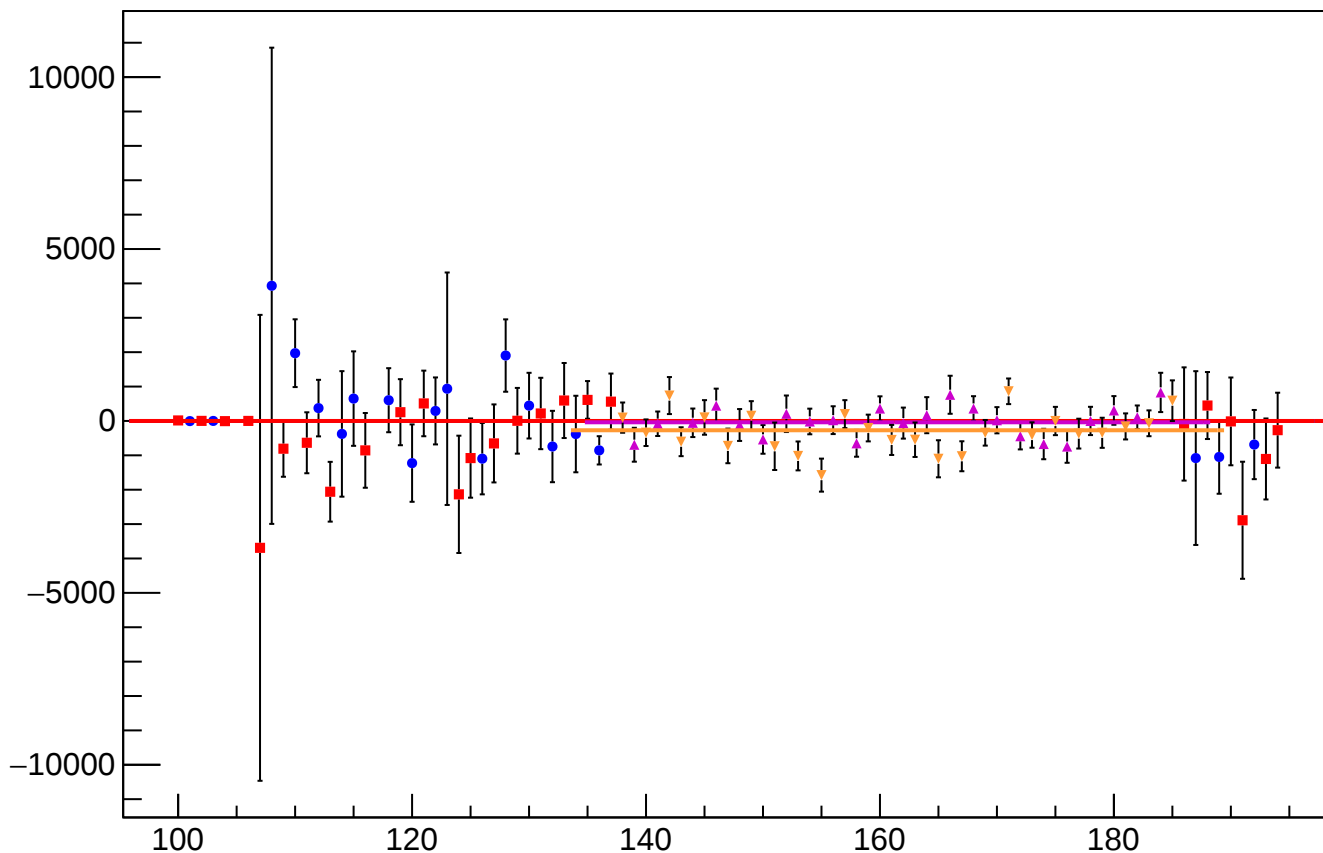
Left In: 183.498 $\pm$ 0.033 χ^2 /NDF:1483383.4/22

+ sign 204.044 $\pm$ 0.029 χ^2 /NDF: 3041029.9/44

All: 194.251 $\pm$ 0.020 χ^2 /NDF: 7093544.5/92

- sign 186.198 $\pm$ 0.026 χ^2 /NDF: 3846763.0/47

asym_cav4bQ_mean vs Slug



Right In: -1.538 ± 2.251 χ^2/NDF : 19.0/19

Left Out: -270.969 ± 86.967 χ^2/NDF : 38.1/24

Right Out: -0.733 ± 2.111 χ^2/NDF : 23.2/24

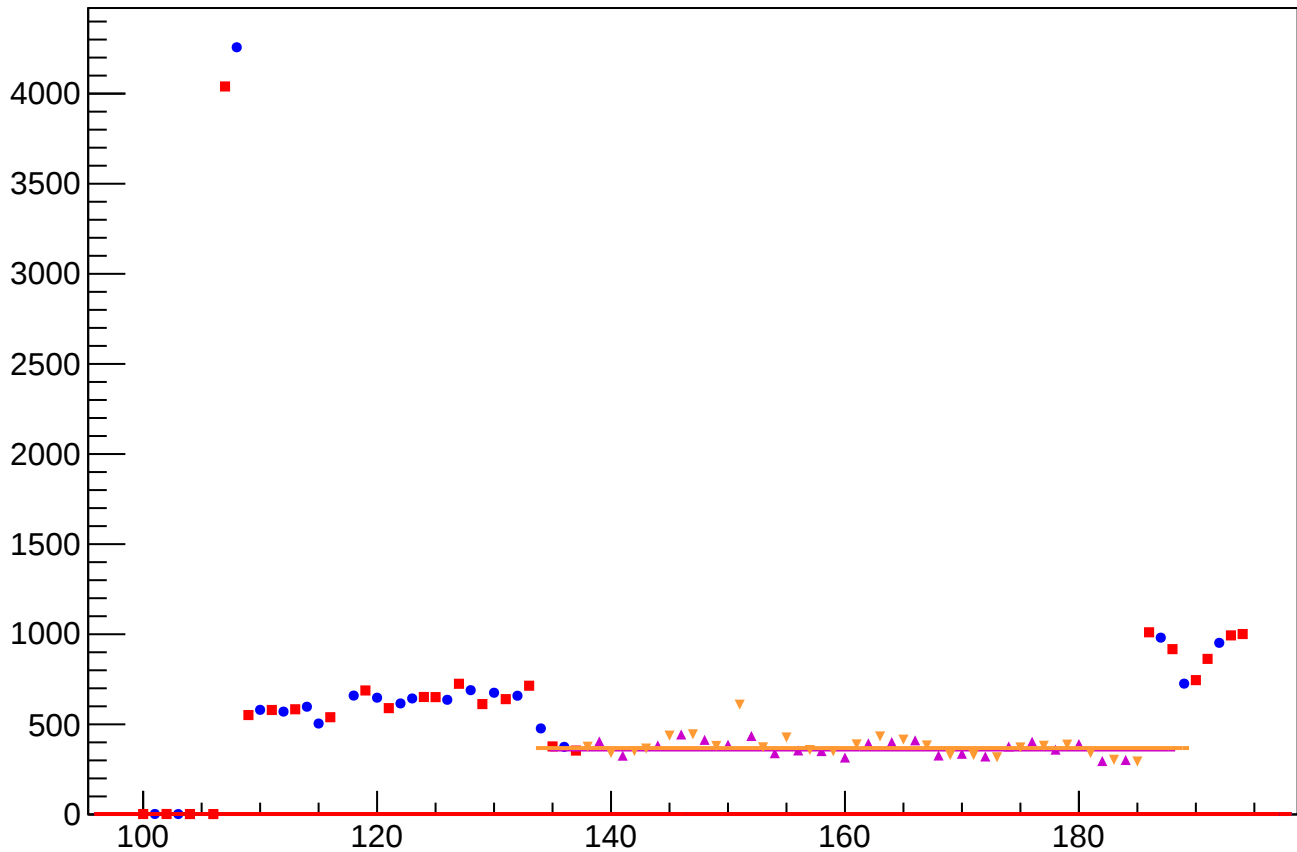
Left In: -39.078 ± 87.769 χ^2/NDF : 20.3/22

+ sign -1.719 ± 2.251 χ^2/NDF : 66.7/44

All: -1.206 ± 1.540 χ^2/NDF : 110.4/92

- sign -0.755 ± 2.110 χ^2/NDF : 43.6/47

asym_cav4bQ_rms vs Slug



Right In: 2.465 ± 0.002 χ^2/NDF : 13804706.2/19

Left Out: 368.397 ± 0.061 χ^2/NDF : 622466.1/24

Right Out: 2.453 ± 0.001 χ^2/NDF : 17902715.3/24

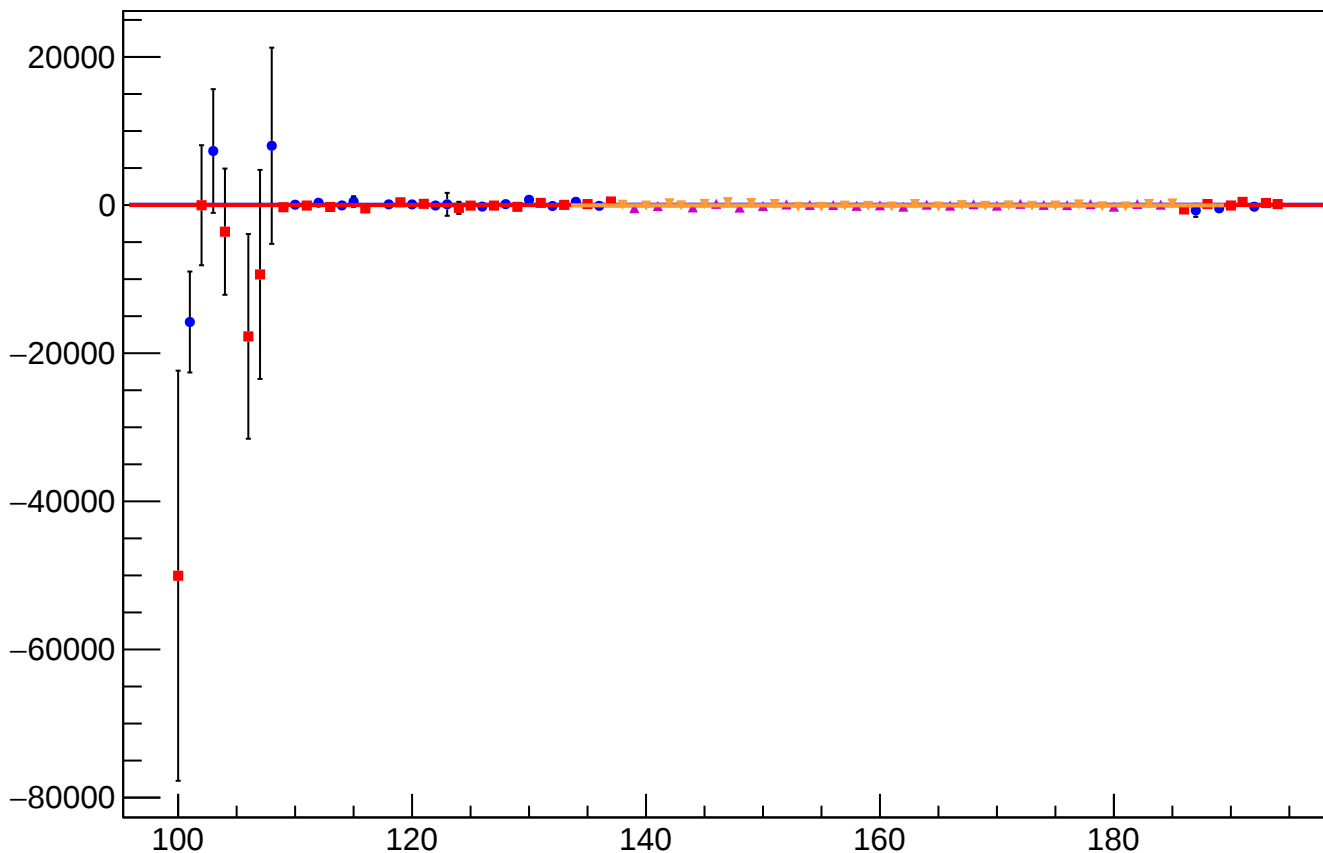
Left In: 360.408 ± 0.062 χ^2/NDF : 417739.4/22

+ sign 2.710 ± 0.002 χ^2/NDF : 49812840.8/44

All: 2.683 ± 0.001 χ^2/NDF : 101380624.6/92

- sign 2.660 ± 0.001 χ^2/NDF : 51567249.2/47

asym_cav4cQ_mean vs Slug



Right In: 49.371+/-85.844 χ^2/NDF : 15.1/19

Left Out: -38.013+/-49.628 χ^2/NDF : 9.3/24

Right Out: -1.814+/-73.527 χ^2/NDF : 16.6/24

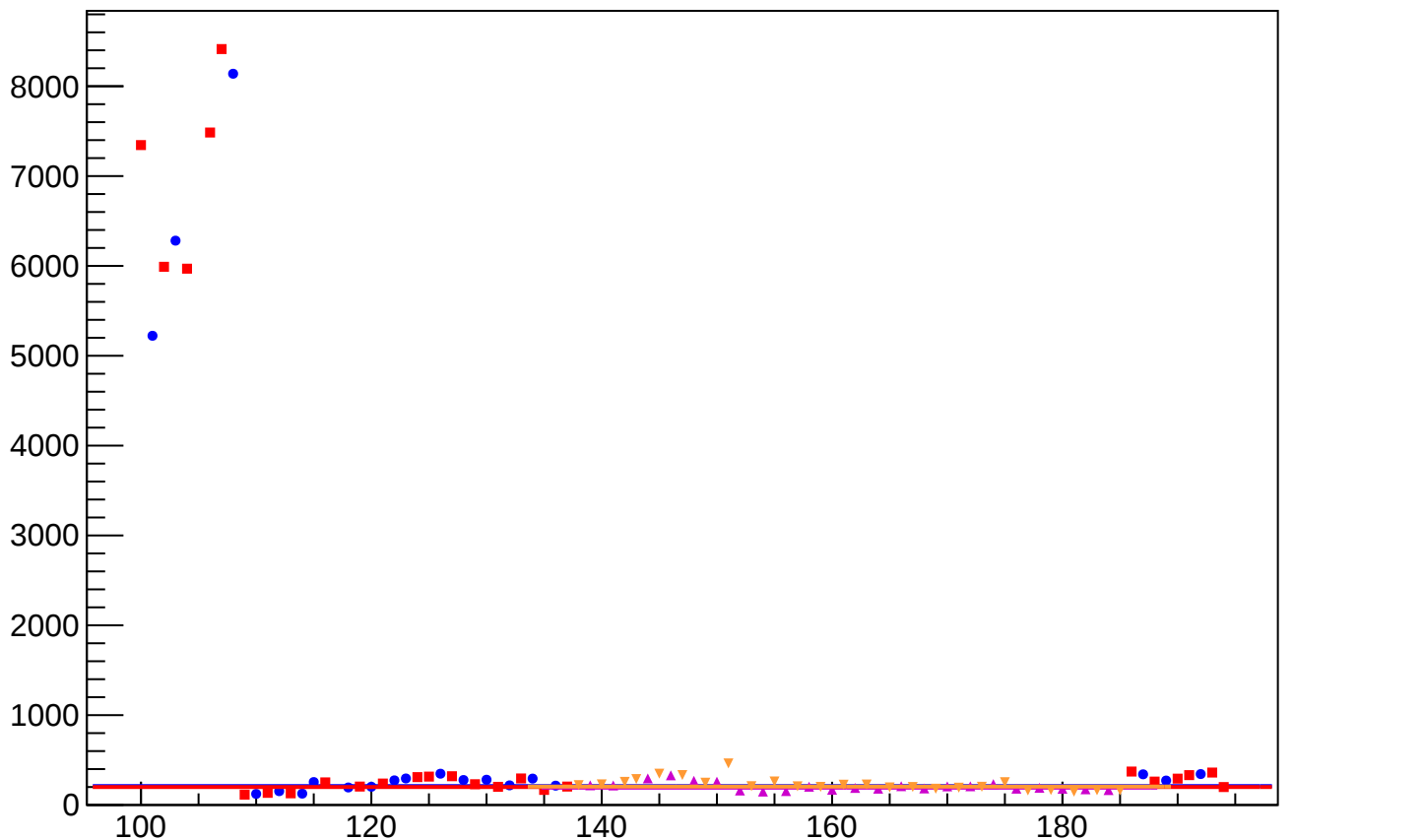
Left In: -28.205+/-48.167 χ^2/NDF : 9.2/22

+ sign -16.124+/-42.965 χ^2/NDF : 25.2/44

All: -18.335+/-29.390 χ^2/NDF : 51.1/92

- sign -20.280+/-40.291 χ^2/NDF : 25.9/47

asym_cav4cQ_rms vs Slug



Right In: 210.495 $\pm$ 0.061 χ^2 /NDF: 4104444.4/19

Left Out: 205.027 $\pm$ 0.035 χ^2 /NDF: 1956045.1/24

Right Out: 199.916 $\pm$ 0.052 χ^2 /NDF: 5123520.2/24

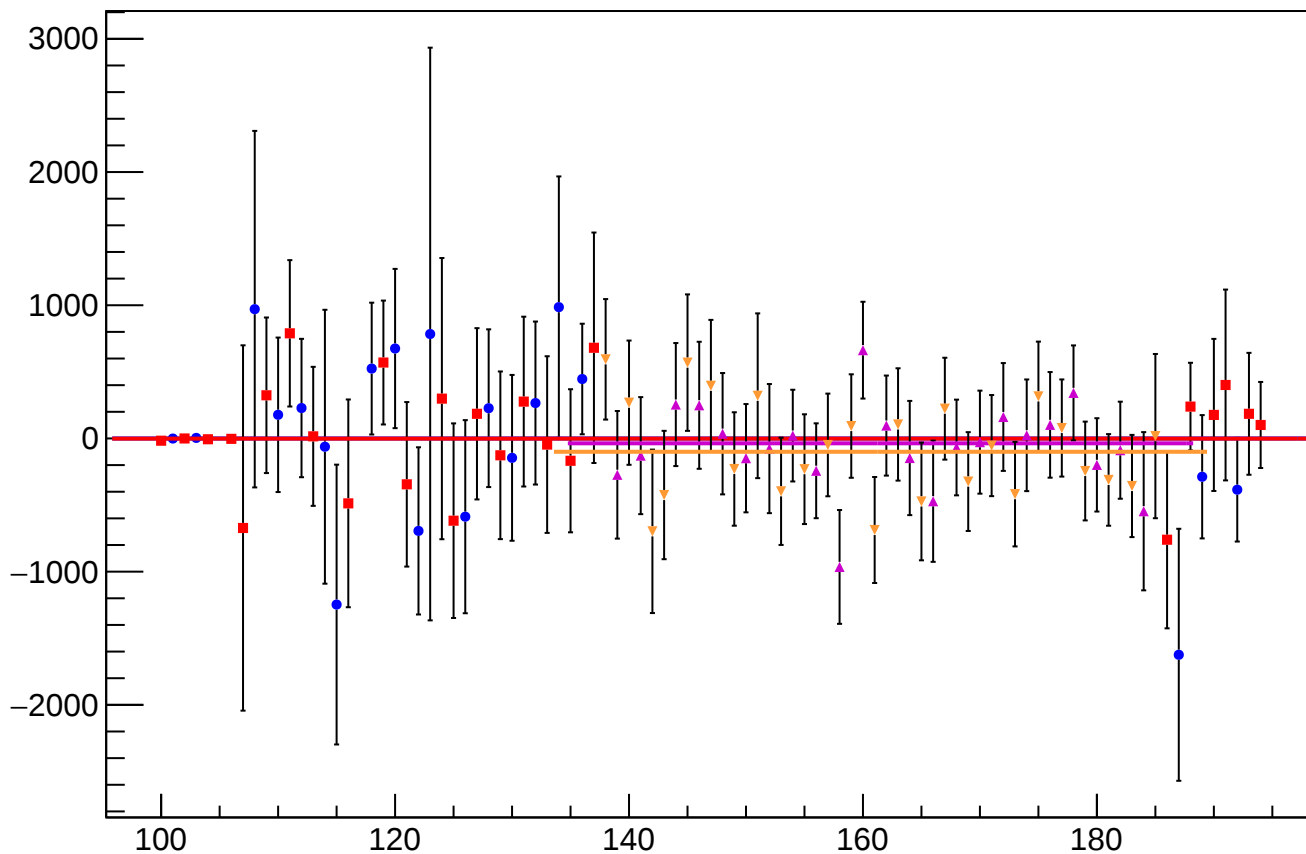
Left In: 193.405 $\pm$ 0.034 χ^2 /NDF: 1172169.3/22

+ sign 206.397 $\pm$ 0.030 χ^2 /NDF: 6066572.4/44

All: 200.524 $\pm$ 0.021 χ^2 /NDF: 12443457.5/92

- sign 195.360 $\pm$ 0.028 χ^2 /NDF: 6306662.6/47

asym_cav4dQ_mean vs Slug



Right In: -0.157 ± 1.737 χ^2/NDF : 14.3/19

Left Out: -100.058 ± 84.190 χ^2/NDF : 15.7/24

Right Out: -1.313 ± 1.622 χ^2/NDF : 11.9/24

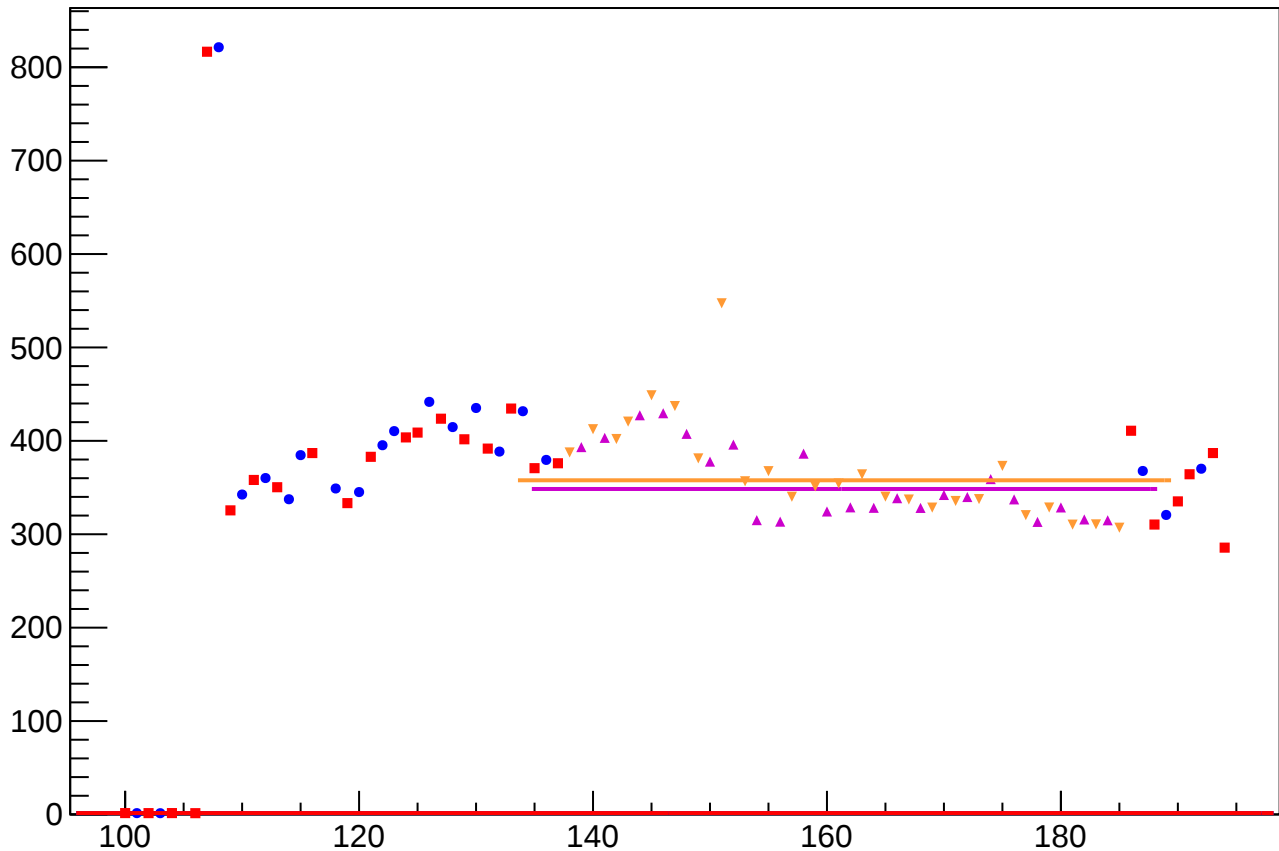
Left In: -36.497 ± 84.675 χ^2/NDF : 13.5/22

+ sign -0.199 ± 1.736 χ^2/NDF : 31.5/44

All: -0.801 ± 1.185 χ^2/NDF : 57.3/92

- sign -1.326 ± 1.622 χ^2/NDF : 25.6/47

asym_cav4dQ_rms vs Slug



Right In: 1.466+/-0.001 χ^2/NDF : 13961493.0/19

Left Out: 357.771+/-0.060 χ^2/NDF : 547124.8/24

Right Out: 1.477+/-0.001 χ^2/NDF : 17523371.1/24

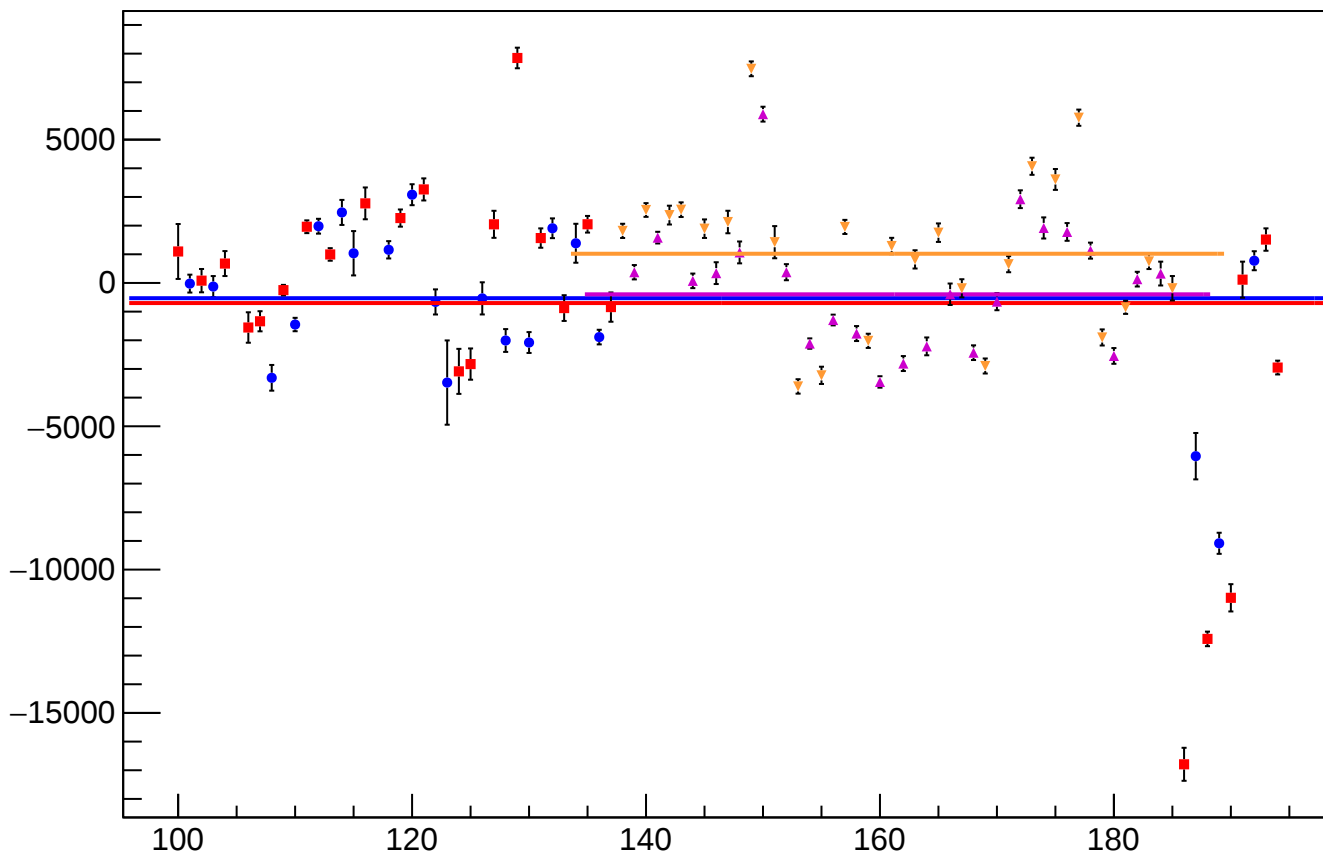
Left In: 348.464+/-0.060 χ^2/NDF : 360425.7/22

+ sign 1.617+/-0.001 χ^2/NDF : 50315923.9/44

All: 1.611+/-0.001 χ^2/NDF : 101772198.1/92

- sign 1.605+/-0.001 χ^2/NDF : 51456219.6/47

asym_bcm0l02_mean vs Slug



Right In: -531.823 ± 82.243 χ^2/NDF : 1056.4/19

Left Out: 1018.965 ± 57.402 χ^2/NDF : 2310.1/24

Right Out: -701.460 ± 68.713 χ^2/NDF : 4731.5/24

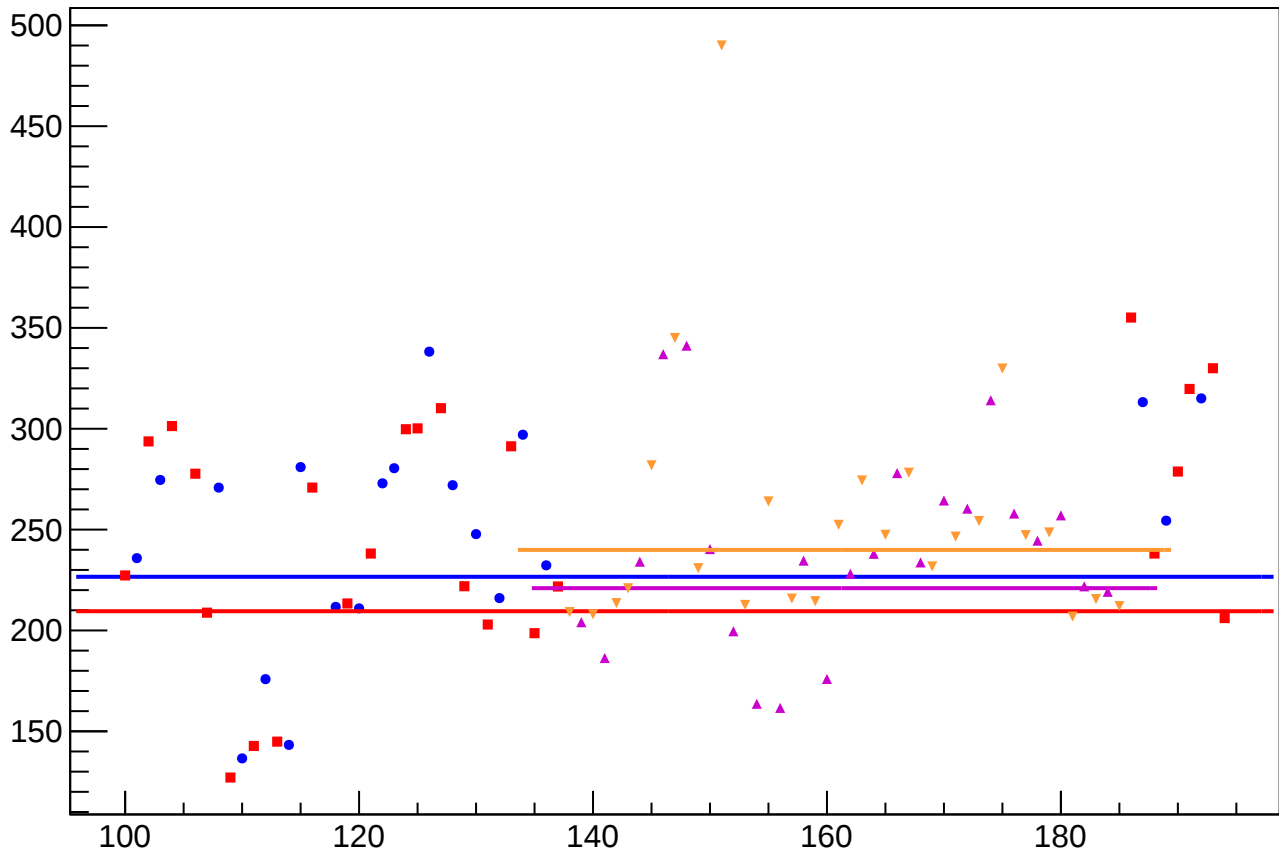
Left In: -396.609 ± 55.090 χ^2/NDF : 1581.0/22

+ sign 510.971 ± 47.071 χ^2/NDF : 3605.6/44

All: -48.990 ± 31.740 χ^2/NDF : 10189.6/92

- sign -515.890 ± 42.982 χ^2/NDF : 6324.5/47

asym_bcm0l02_rms vs Slug



Right In: 226.613 $\pm$ 0.058 χ^2/NDF : 857765.3/19

Left Out: 239.942 $\pm$ 0.041 χ^2/NDF : 1000770.0/24

Right Out: 209.539 $\pm$ 0.049 χ^2/NDF : 1696385.0/24

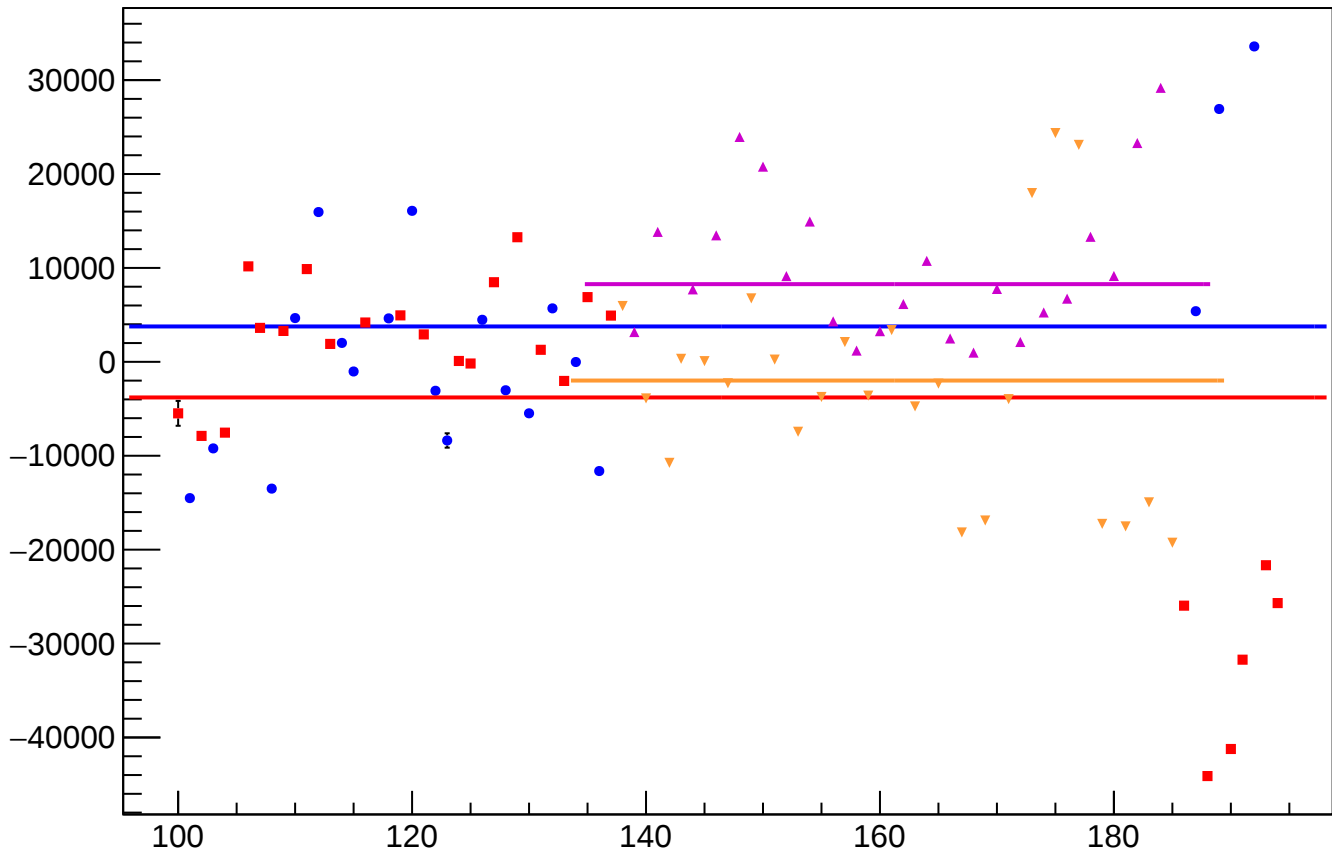
Left In: 220.972 $\pm$ 0.039 χ^2/NDF : 1327680.6/22

+ sign 235.576 $\pm$ 0.033 χ^2/NDF : 1893859.7/44

All: 225.172 $\pm$ 0.022 χ^2/NDF : 5130780.0/92

- sign 216.498 $\pm$ 0.030 χ^2/NDF : 3057769.8/47

asym_bpm0i02WS_mean vs Slug



Right In: 3767.726 $\pm$ 51.329 χ^2 /NDF: 67970.3/19

Left Out: -1991.788 $\pm$ 42.427 χ^2 /NDF:63766.6/24

+ sign 345.983 $\pm$ 32.702 χ^2 /NDF: 139217.0/44

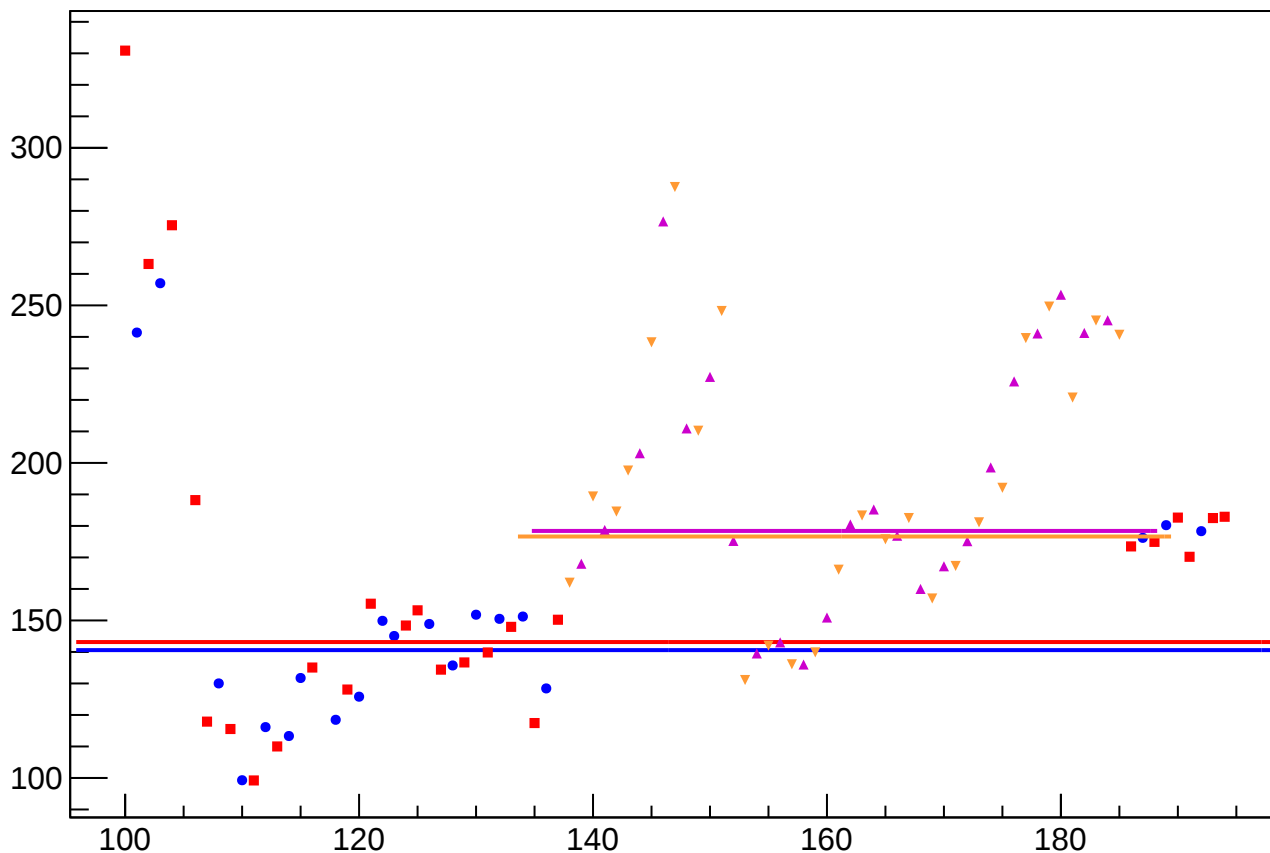
Right Out: -3792.448 $\pm$ 46.060 χ^2 /NDF: 126411.3/24

All: 1436.021 $\pm$ 22.846 χ^2 /NDF: 326314.0/92

- sign 2475.184 $\pm$ 31.929 χ^2 /NDF: 184926.8/47

Left In: 8273.228 $\pm$ 44.301 χ^2 /NDF:22870.2/22

asym_bpm0i02WS_rms vs Slug



Right In: 140.583 $\pm$ 0.036 χ^2 /NDF: 816529.9/19

Left Out: 176.641 $\pm$ 0.030 χ^2 /NDF:1551048.8/24

Right Out: 143.145 $\pm$ 0.033 χ^2 /NDF: 1182079.7/24

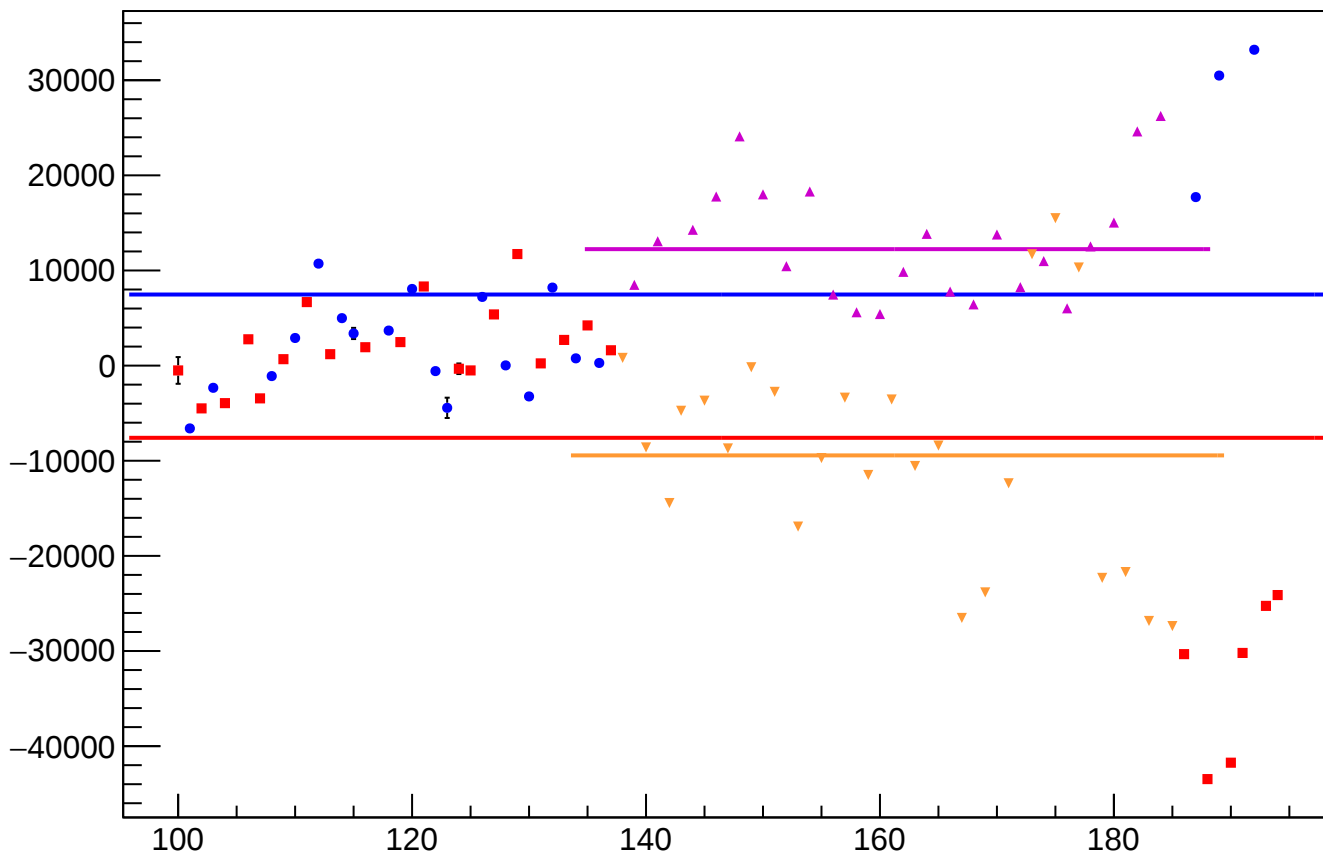
Left In: 178.413 $\pm$ 0.031 χ^2 /NDF:1293736.2/22

+ sign 162.005 $\pm$ 0.023 χ^2 /NDF: 2953943.6/44

All: 161.729 $\pm$ 0.016 χ^2 /NDF: 6039150.4/92

- sign 161.465 $\pm$ 0.023 χ^2 /NDF: 3084928.2/47

asym_bpm0i02aWS_mean vs Slug



Right In: 7473.094+/-64.743 χ^2/NDF : 30580.6/19

Left Out: -9437.408+/-45.534 χ^2/NDF : 62220.4/24

Right Out: -7589.026+/-55.671 χ^2/NDF : 95958.6/24

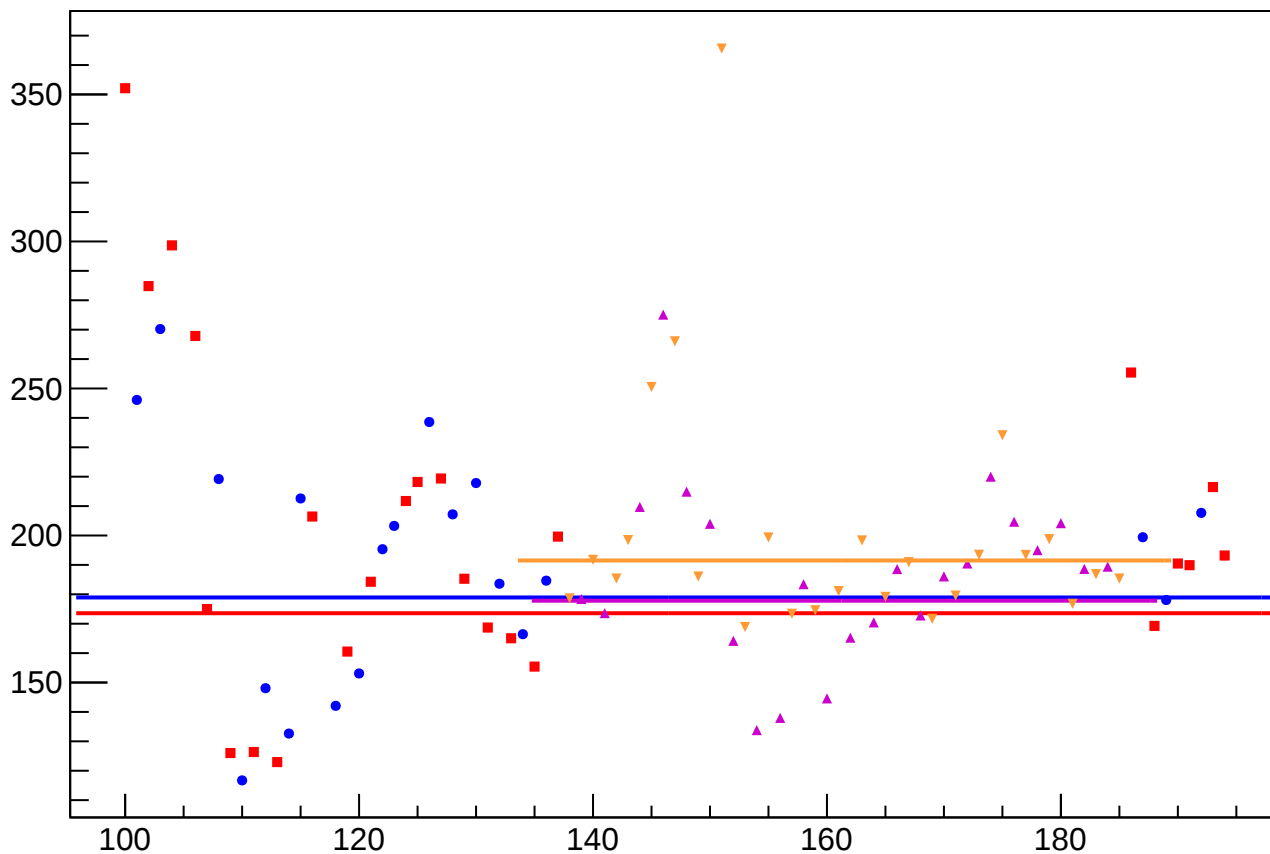
Left In: 12242.226+/-43.944 χ^2/NDF : 16615.8/22

+ sign -3840.939+/-37.245 χ^2/NDF : 138445.9/44

All: 718.591+/-25.307 χ^2/NDF : 357040.9/92

- sign 4629.234+/-34.493 χ^2/NDF : 190754.8/47

asym_bpm0i02aWS_rms vs Slug



Right In: 178.926+/-0.046 χ^2/NDF : 730087.3/19

Left Out: 191.507+/-0.032 χ^2/NDF : 727251.6/24

Right Out: 173.567+/-0.039 χ^2/NDF : 1112478.4/24

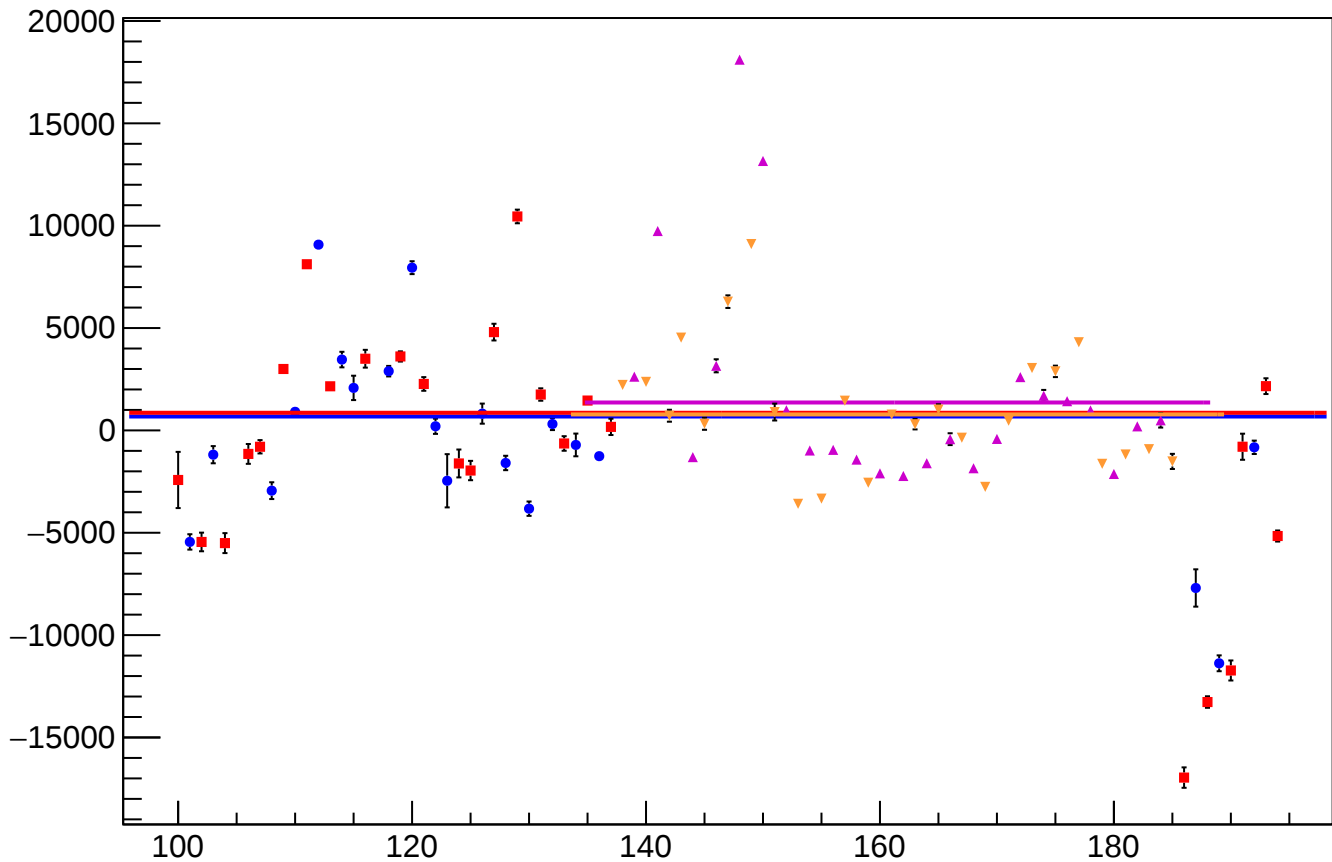
Left In: 177.821+/-0.031 χ^2/NDF : 862494.4/22

+ sign 187.343+/-0.026 χ^2/NDF : 1507869.3/44

All: 181.338+/-0.018 χ^2/NDF : 3586606.0/92

- sign 176.188+/-0.024 χ^2/NDF : 1982168.1/47

asym_bpm0i05WS_mean vs Slug



Right In: 678.890 ± 73.629 χ^2/NDF : 3787.8/19

Left Out: 779.983 ± 47.457 χ^2/NDF : 4260.8/24

Right Out: 861.291 ± 63.529 χ^2/NDF : 8194.2/24

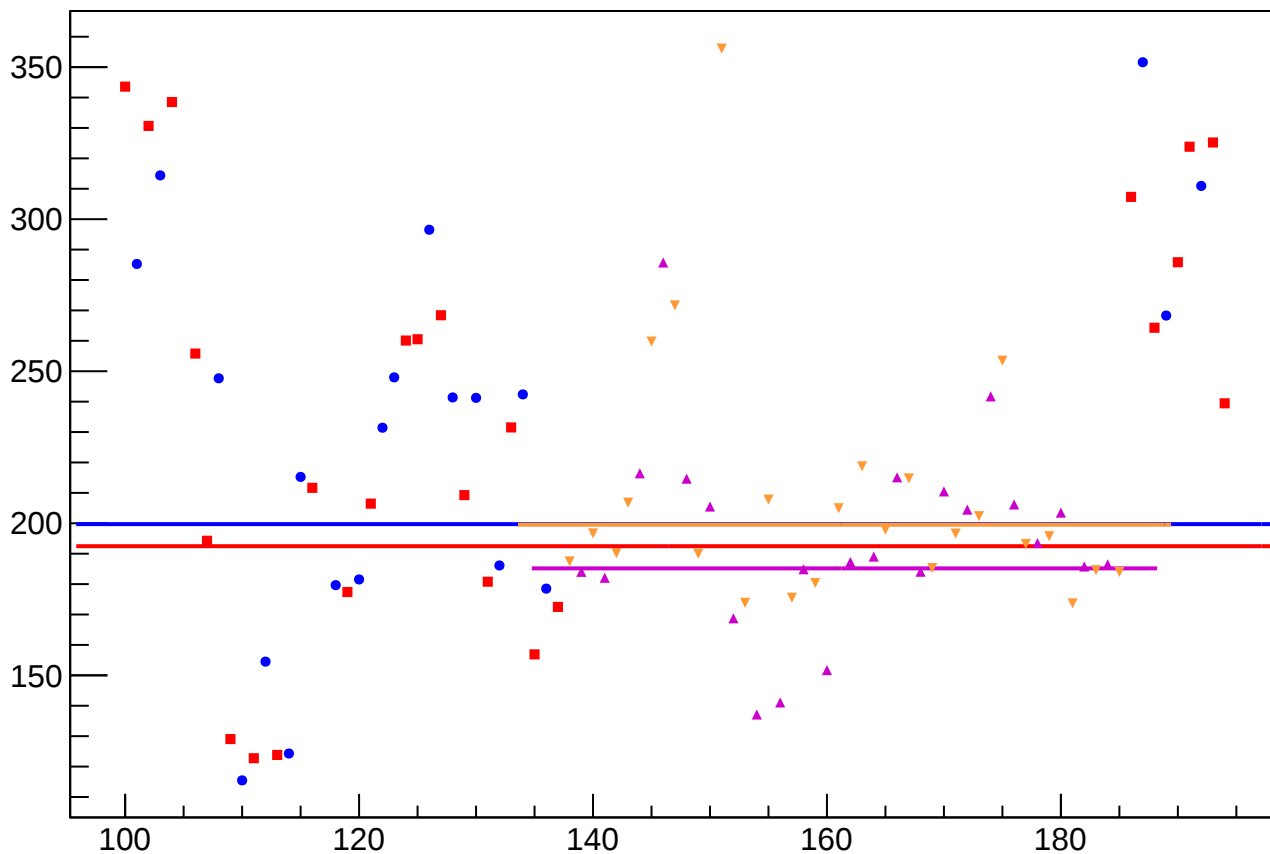
Left In: 1363.043 ± 45.807 χ^2/NDF : 11632.9/22

+ sign 750.311 ± 39.889 χ^2/NDF : 8049.9/44

All: 986.496 ± 27.188 χ^2/NDF : 27983.5/92

- sign 1191.415 ± 37.155 χ^2/NDF : 19868.1/47

asym_bpm0i05WS_rms vs Slug



Right In: 199.724 $\pm$ 0.052 χ^2 /NDF: 1360276.6/19

Left Out: 199.547 $\pm$ 0.034 χ^2 /NDF: 729356.3/24

Right Out: 192.468 $\pm$ 0.045 χ^2 /NDF: 2112538.3/24

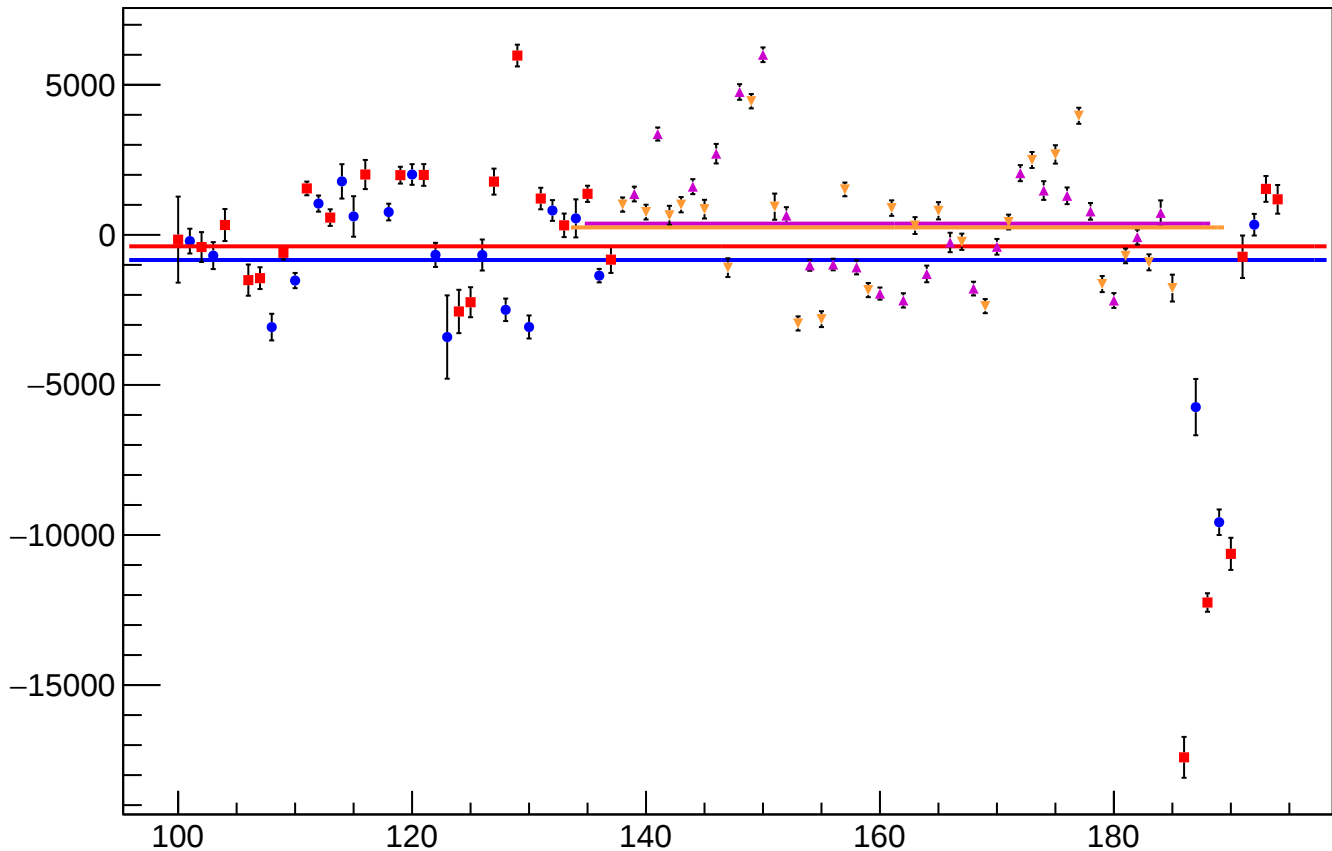
Left In: 185.171 $\pm$ 0.032 χ^2 /NDF: 882752.2/22

+ sign 199.599 $\pm$ 0.028 χ^2 /NDF: 2089641.1/44

All: 193.210 $\pm$ 0.019 χ^2 /NDF: 5198117.1/92

- sign 187.667 $\pm$ 0.026 χ^2 /NDF: 3012652.6/47

asym_bpm0i07WS_mean vs Slug



Right In: -836.936 ± 84.156 χ^2/NDF : 759.4/19

Left Out: 247.844 ± 53.555 χ^2/NDF : 1355.1/24

Right Out: -381.561 ± 75.417 χ^2/NDF : 3161.8/24

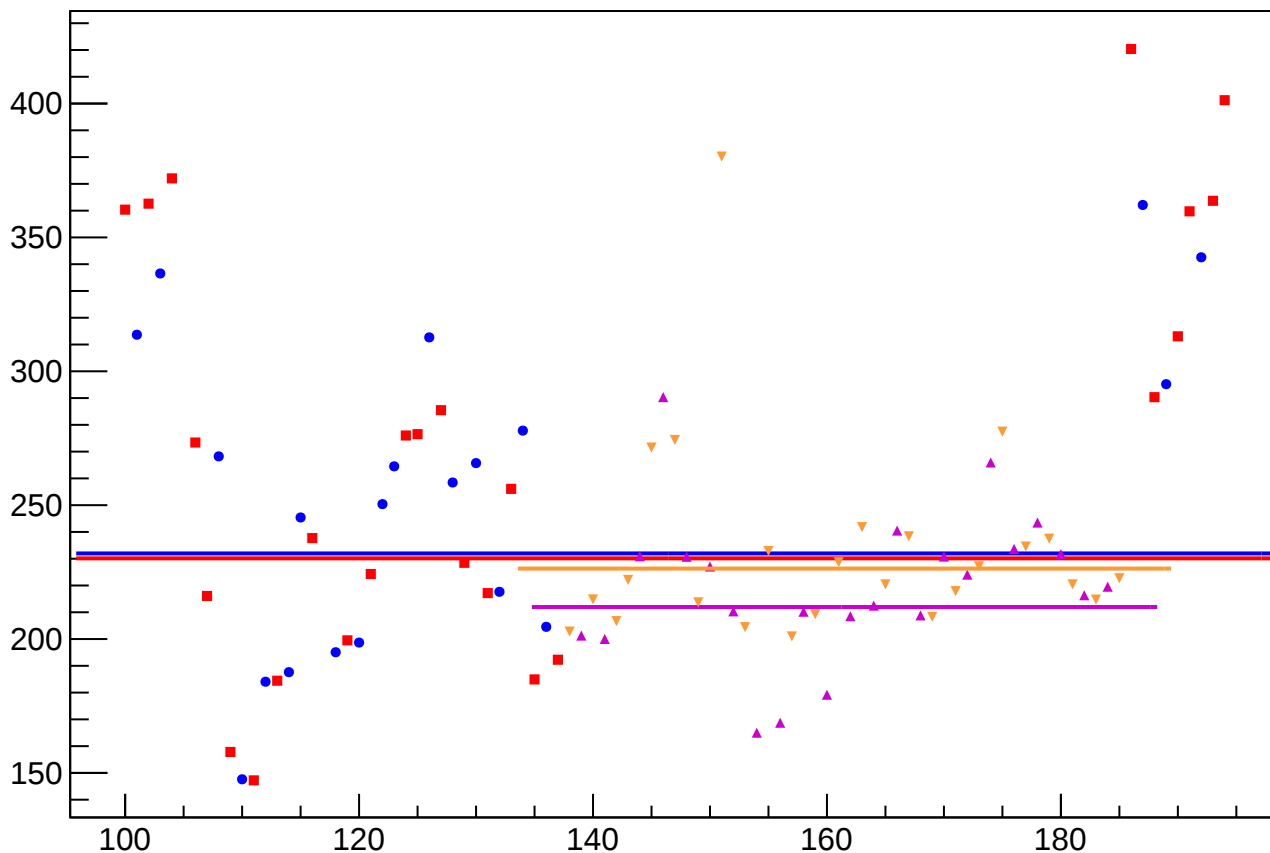
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -64.838 ± 45.182 χ^2/NDF : 2232.8/44

All: 37.931 ± 31.086 χ^2/NDF : 7273.4/92

- sign 130.313 ± 42.838 χ^2/NDF : 5030.8/47

asym_bpm0i07WS_rms vs Slug



Right In: 231.969 ± 0.060 $\chi^2/\text{NDF}: 945257.7/19$

Left Out: 226.322 ± 0.038 $\chi^2/\text{NDF}: 521041.8/24$

Right Out: 230.133 ± 0.053 $\chi^2/\text{NDF}: 1802582.1/24$

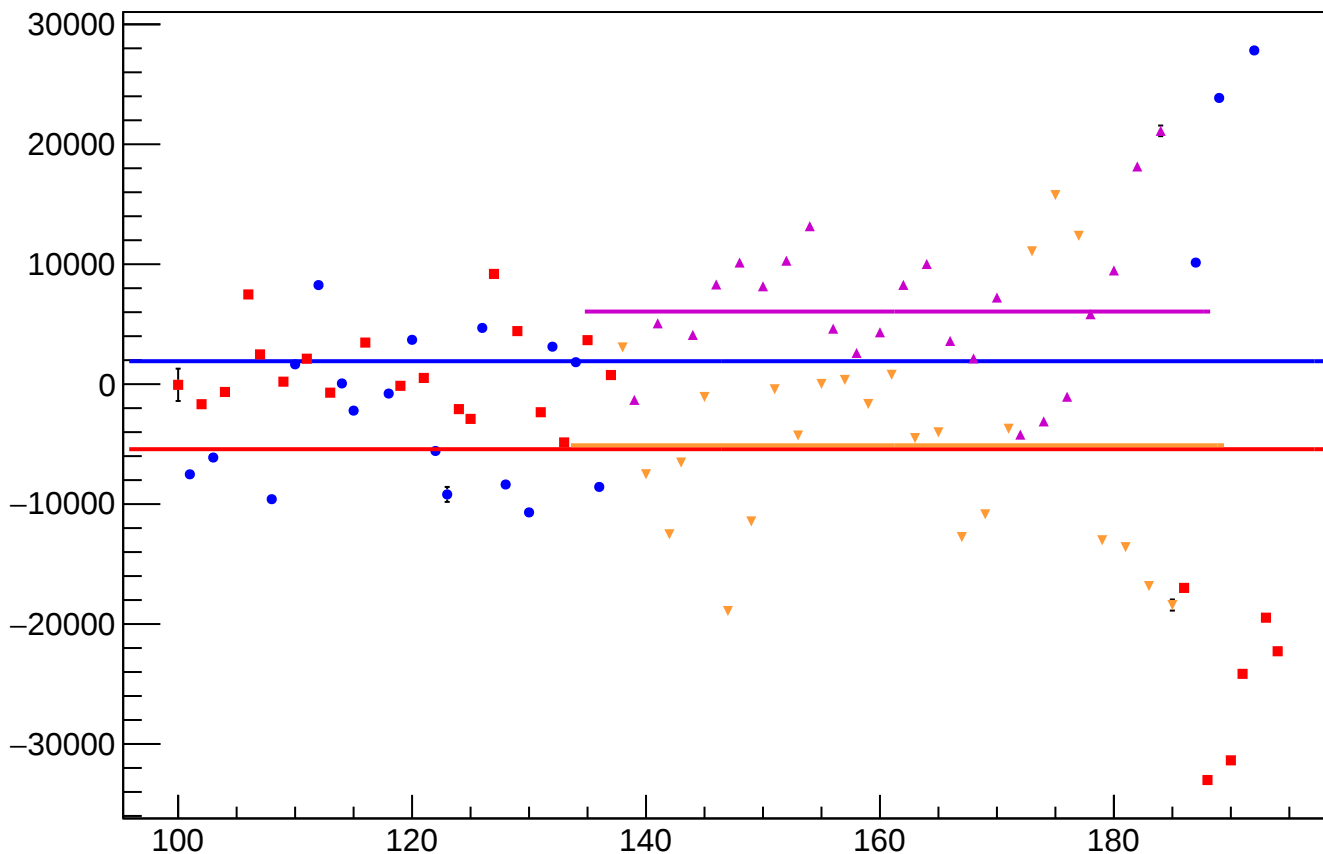
Left In: 211.970 ± 0.037 $\chi^2/\text{NDF}: 584344.5/22$

+ sign 227.950 ± 0.032 $\chi^2/\text{NDF}: 1472710.3/44$

All: 222.621 ± 0.022 $\chi^2/\text{NDF}: 3991046.6/92$

- sign 217.830 ± 0.030 $\chi^2/\text{NDF}: 2465502.6/47$

asym_bpm1i02WS_mean vs Slug



Right In: 1914.132 ± 43.764 χ^2/NDF : 66286.8/19

Left Out: -5095.305 ± 33.703 χ^2/NDF : 54395.4/24

Right Out: -5422.293 ± 38.826 χ^2/NDF : 99652.5/24

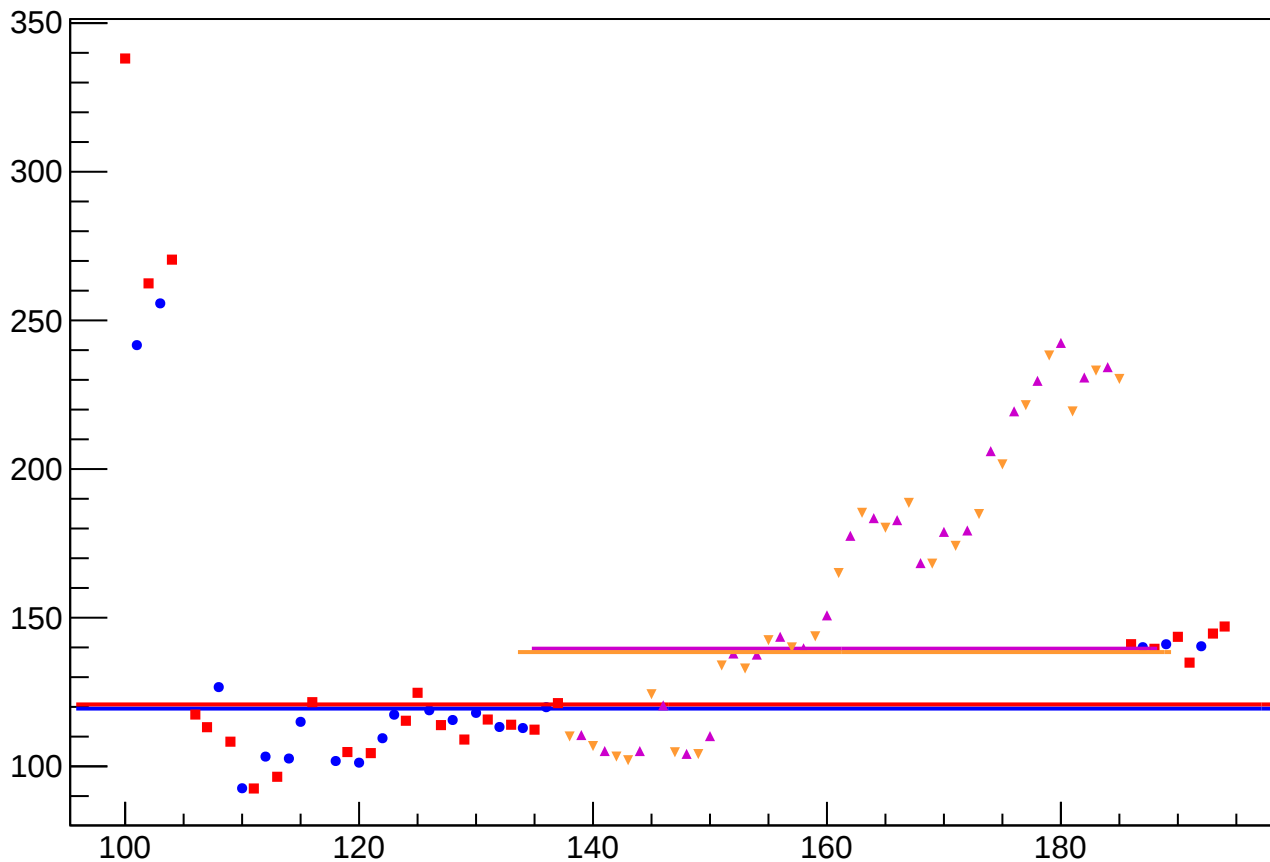
Left In: 6053.569 ± 34.998 χ^2/NDF : 17590.3/22

+ sign -2485.785 ± 26.703 χ^2/NDF : 136784.7/44

All: -742.816 ± 18.627 χ^2/NDF : 310525.4/92

- sign 909.065 ± 25.996 χ^2/NDF : 165442.1/47

asym_bpm1i02WS_rms vs Slug



Right In: 119.434+/-0.031 χ^2/NDF : 824616.6/19

Left Out: 138.436+/-0.024 χ^2/NDF : 2549435.8/24

Right Out: 120.827+/-0.027 χ^2/NDF : 1013129.4/24

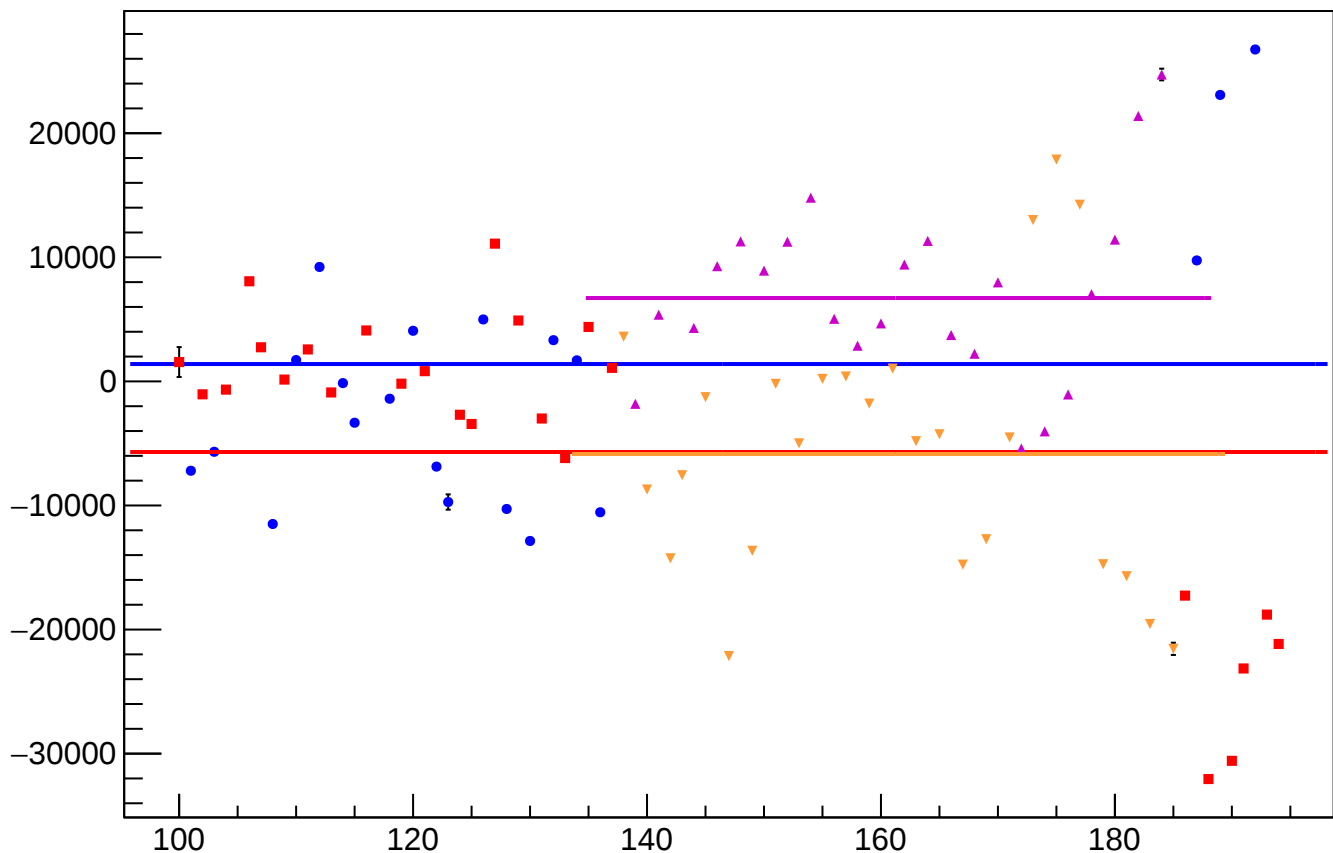
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 131.362+/-0.019 χ^2/NDF : 3610721.8/44

All: 131.264+/-0.013 χ^2/NDF : 7294913.6/92

- sign 131.172+/-0.018 χ^2/NDF : 3684140.0/47

asym_bpm2i01WS_mean vs Slug



Right In: 1398.755+/-44.390 χ^2/NDF : 71278.6/19

Left Out: -5852.544+/-35.880 χ^2/NDF : 63411.4/24

Right Out: -5691.052+/-39.432 χ^2/NDF : 99887.4/24

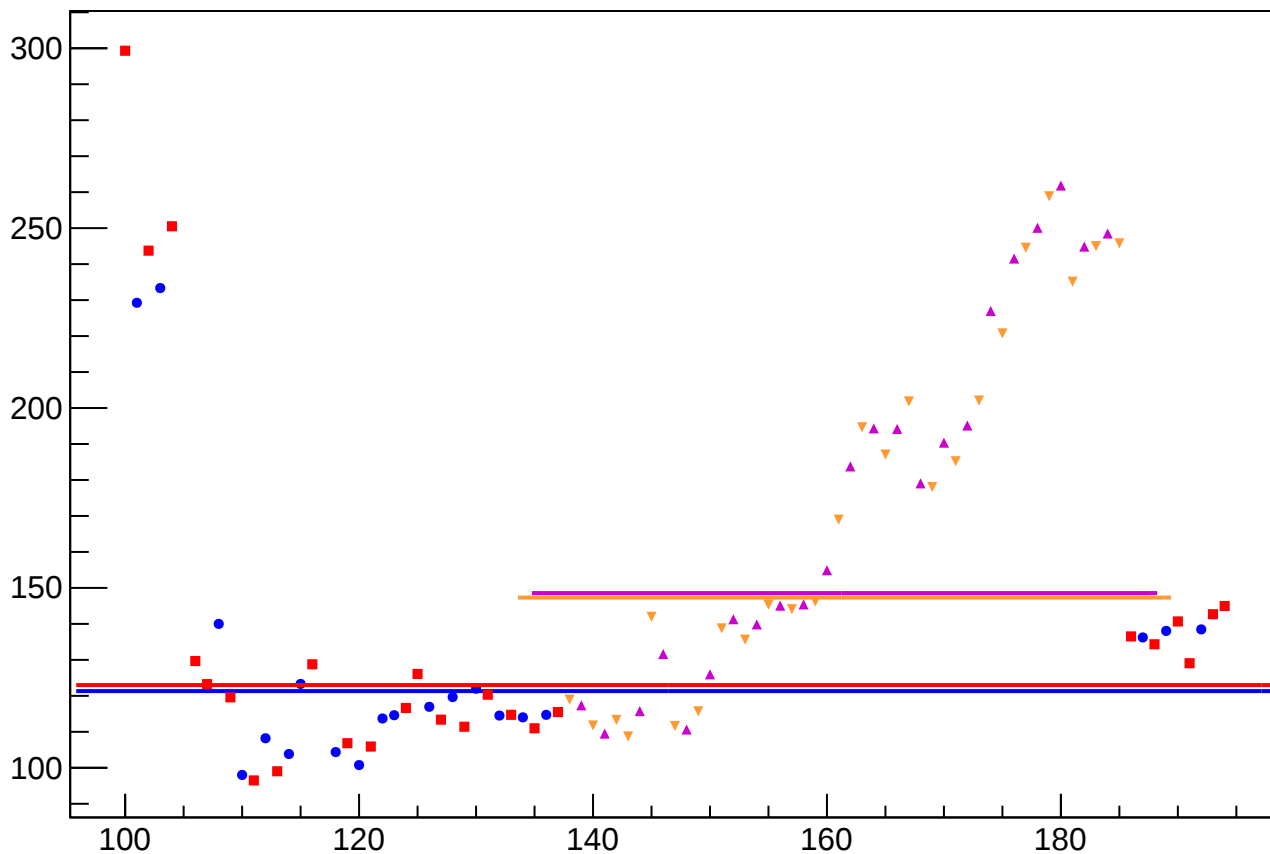
Left In: 6718.475+/-37.276 χ^2/NDF : 20934.3/22

+ sign -2987.099+/-27.904 χ^2/NDF : 150830.2/44

All: -1005.293+/-19.436 χ^2/NDF : 333751.8/9

- sign 862.290+/-27.088 χ^2/NDF : 173124.1/47

asym_bpm2i01WS_rms vs Slug



Right In: 121.324+/-0.031 χ^2/NDF : 689879.9/19

Left Out: 147.317+/-0.025 χ^2/NDF : 2511679.9/24

Right Out: 123.001+/-0.028 χ^2/NDF : 822017.9/24

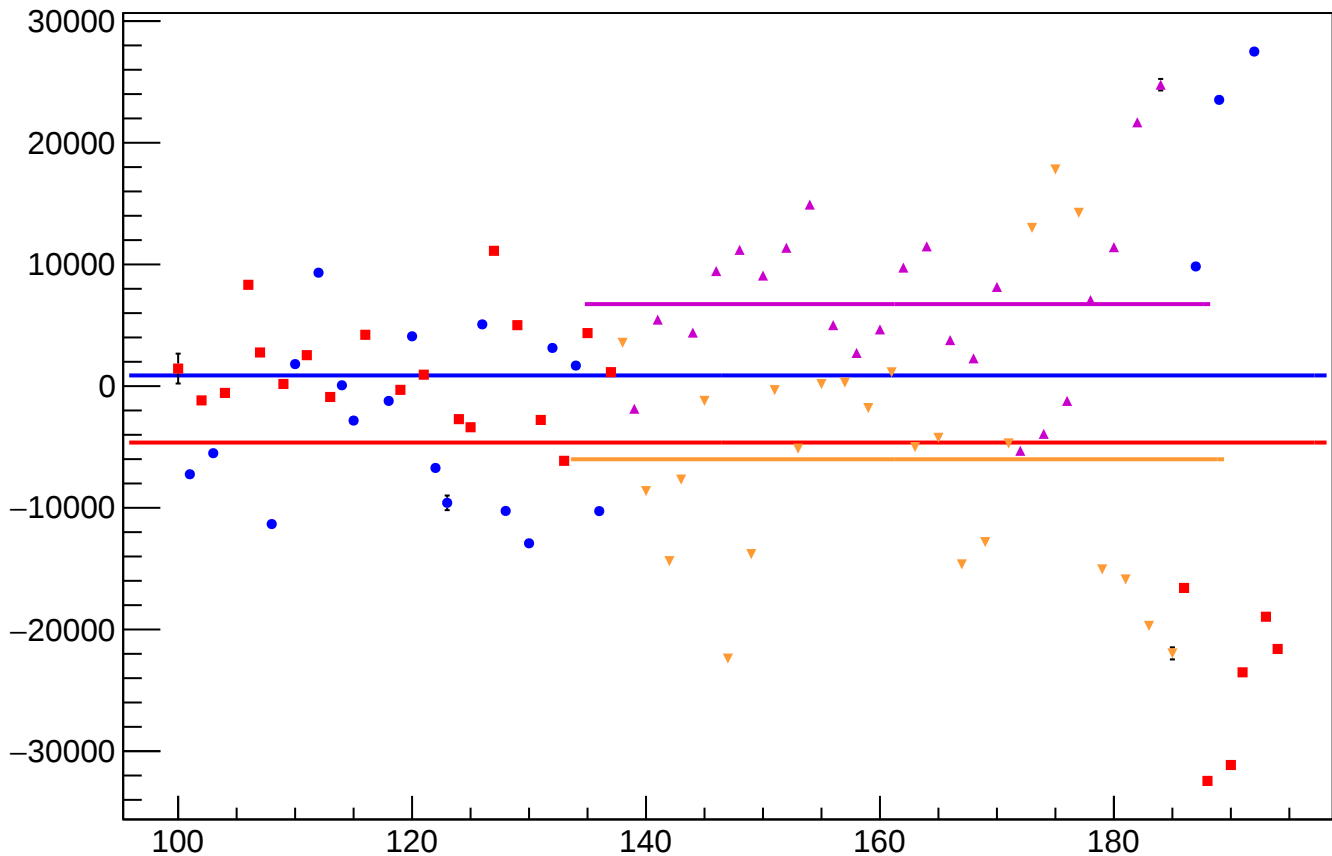
Left In: 148.569+/-0.026 χ^2/NDF : 2393185.0/22

+ sign 137.046+/-0.020 χ^2/NDF : 3616348.1/44

All: 136.766+/-0.014 χ^2/NDF : 7275959.8/92

- sign 136.503+/-0.019 χ^2/NDF : 3659222.6/47

asym_bpm2i02WS_mean vs Slug



Right In: 879.118 ± 43.269 $\chi^2/\text{NDF}: 69833.5/19$

Left Out: -6009.913 ± 35.082 $\chi^2/\text{NDF}: 67852.2/24$

Right Out: -4636.322 ± 38.834 $\chi^2/\text{NDF}: 94950.0/24$

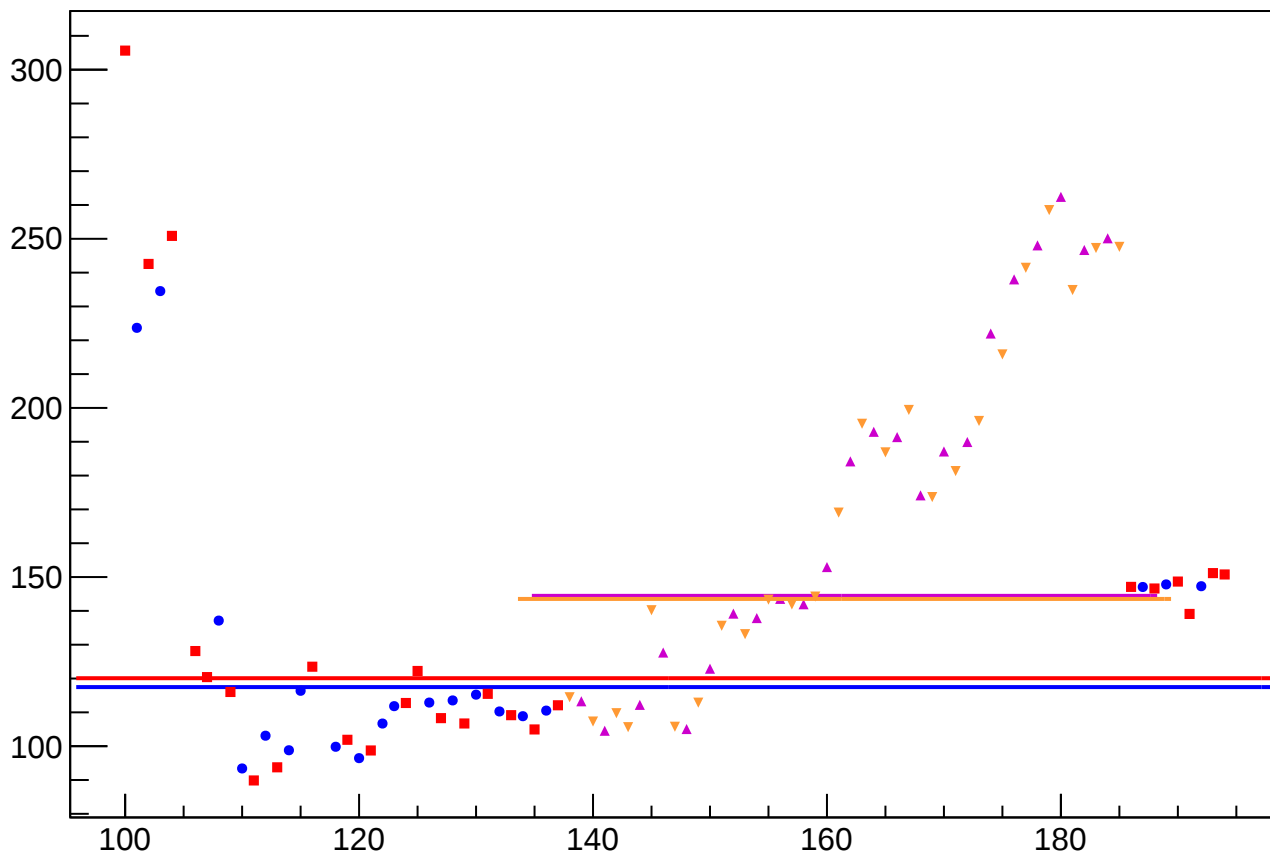
Left In: 6740.666 ± 36.379 $\chi^2/\text{NDF}: 22071.8/22$

+ sign -3277.404 ± 27.251 $\chi^2/\text{NDF}: 152980.5/44$

All: -865.937 ± 19.016 $\chi^2/\text{NDF}: 330978.8/92$

- sign 1423.046 ± 26.549 $\chi^2/\text{NDF}: 162734.1/47$

asym_bpm2i02WS_rms vs Slug



Right In: 117.468 $\pm$ 0.031 χ^2 /NDF: 825274.2/19

Left Out: 143.531 $\pm$ 0.025 χ^2 /NDF: 2704790.3/24

Right Out: 120.093 $\pm$ 0.027 χ^2 /NDF: 1089299.8/24

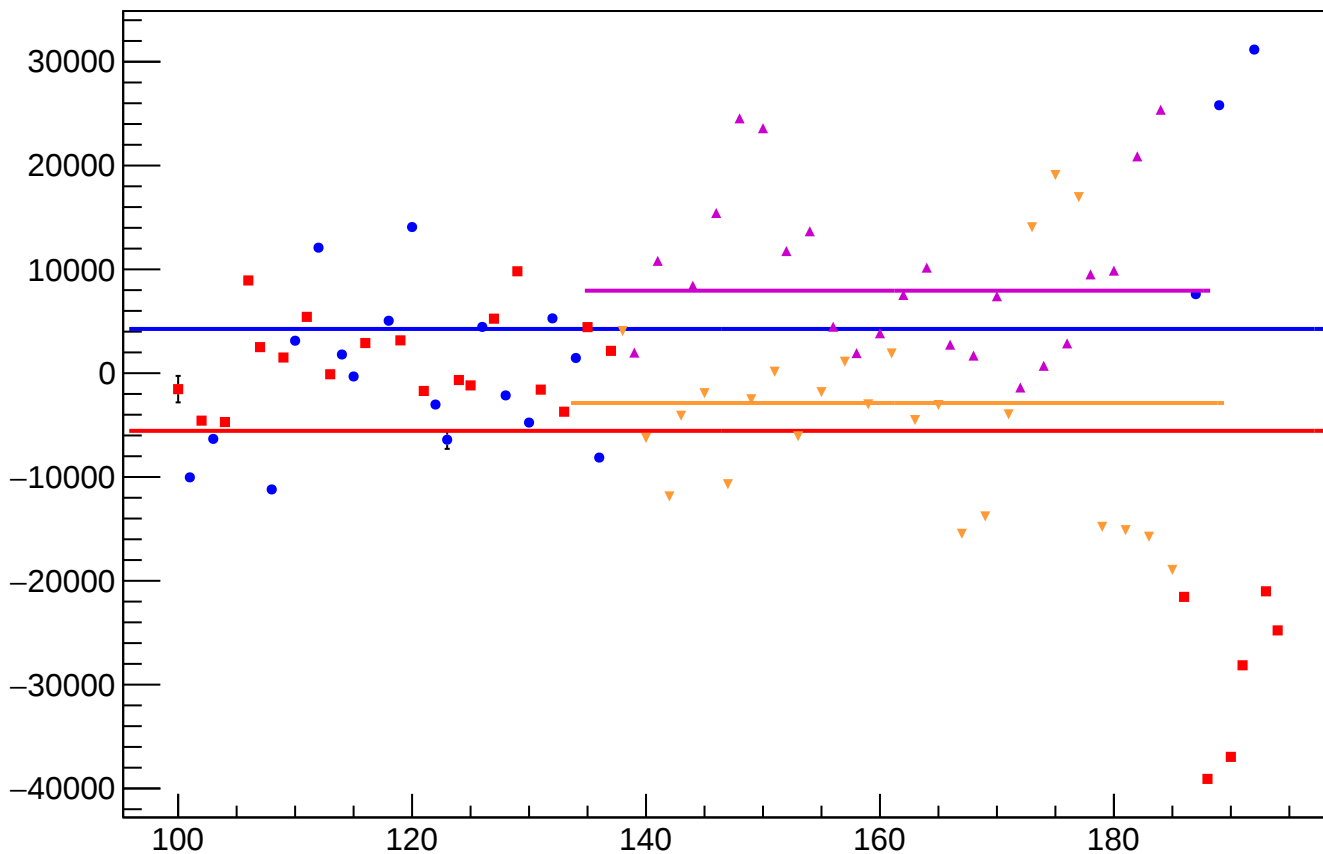
Left In: 144.440 $\pm$ 0.026 χ^2 /NDF: 2586926.1/22

+ sign 133.193 $\pm$ 0.019 χ^2 /NDF: 3967898.3/44

All: 133.125 $\pm$ 0.013 χ^2 /NDF: 8062828.7/92

- sign 133.060 $\pm$ 0.019 χ^2 /NDF: 4094906.1/47

asym_bpm0i01WS_mean vs Slug



Right In: 4260.834+/-52.156 χ^2/NDF : 51425.3/19

Left Out: -2870.473+/-39.482 χ^2/NDF : 46420.3/24

Right Out: -5553.687+/-46.830 χ^2/NDF : 92292.6/24

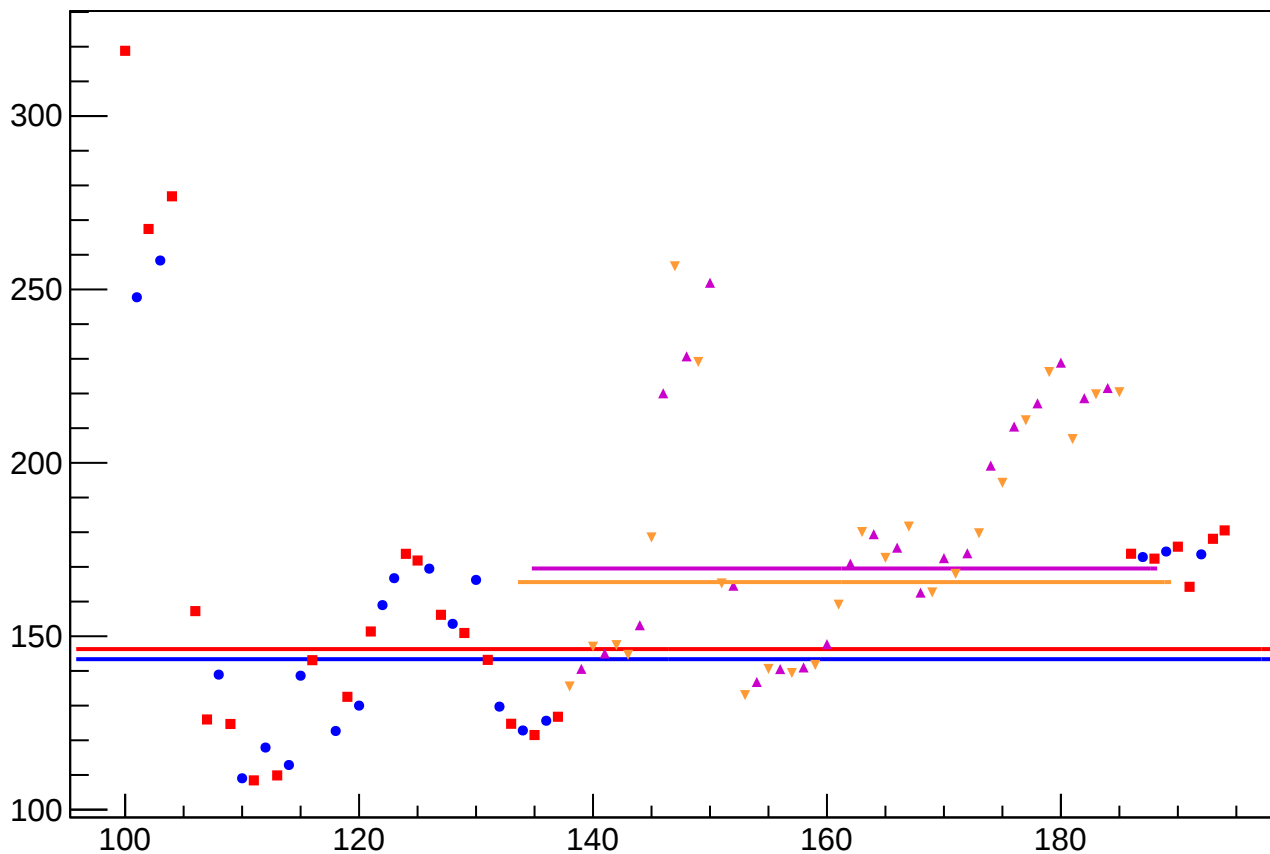
Left In: 7947.160+/-41.726 χ^2/NDF : 23874.5/22

+ sign -272.578+/-31.480 χ^2/NDF : 109730.3/44

All: 861.562+/-22.143 χ^2/NDF : 274798.5/92

- sign 1972.321+/-31.153 χ^2/NDF : 162498.9/47

asym_bpm0i01WS_rms vs Slug



Right In: 143.389+/-0.037 χ^2/NDF : 775869.4/19

Left Out: 165.616+/-0.028 χ^2/NDF : 1144779.3/24

Right Out: 146.300+/-0.033 χ^2/NDF : 1004390.2/24

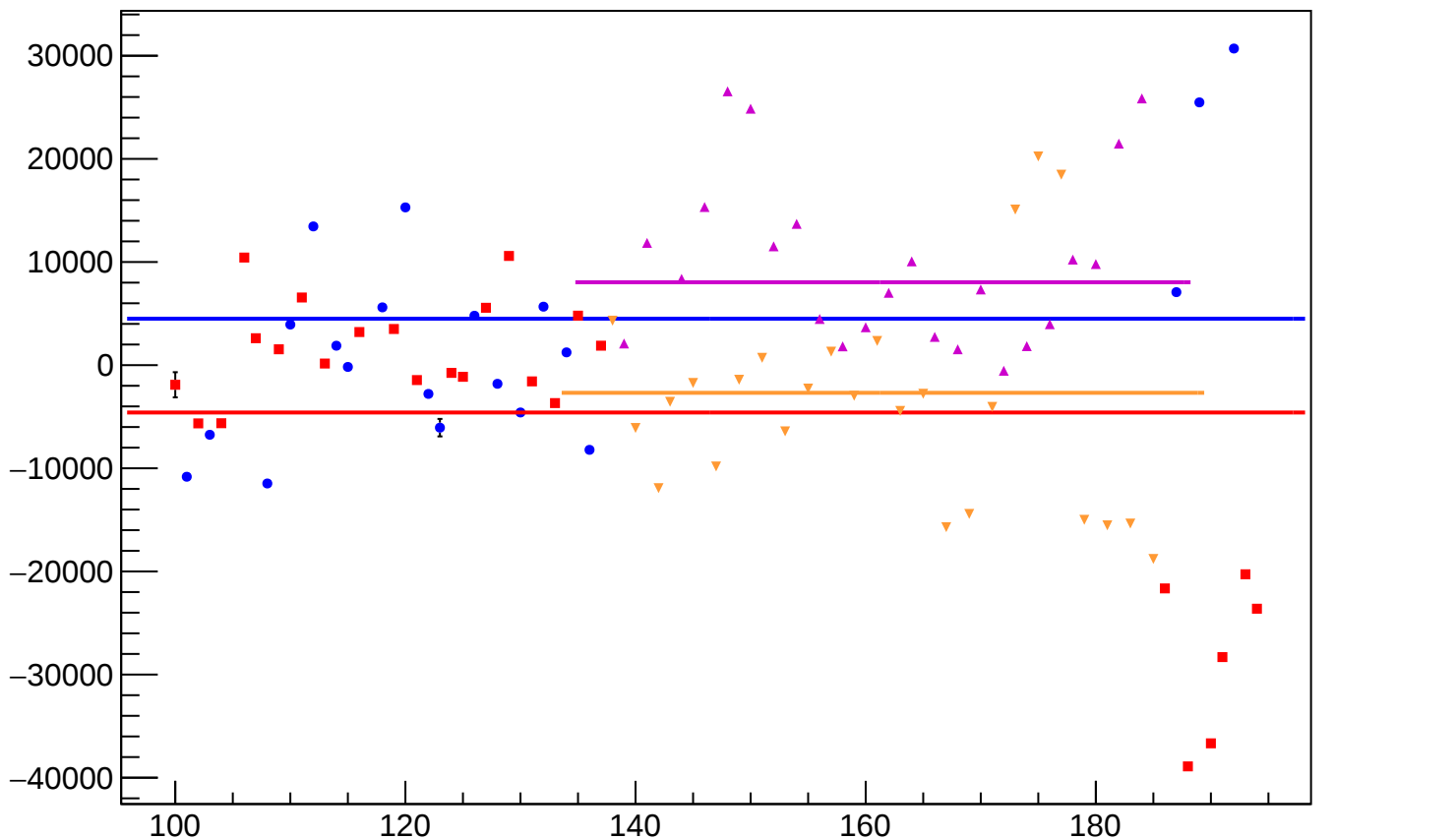
Left In: 169.542+/-0.030 χ^2/NDF : 1159241.9/22

+ sign 157.519+/-0.022 χ^2/NDF : 2151566.5/44

All: 158.397+/-0.016 χ^2/NDF : 4592885.0/92

- sign 159.256+/-0.022 χ^2/NDF : 2438242.1/47

asym_bpm0i01aWS_mean vs Slug



Right In: 4503.210+/-43.588 χ^2/NDF : 71478.9/19

Left Out: -2680.012+/-35.764 χ^2/NDF : 56820.4/24

Right Out: -4590.736+/-38.944 χ^2/NDF : 128043.2/24

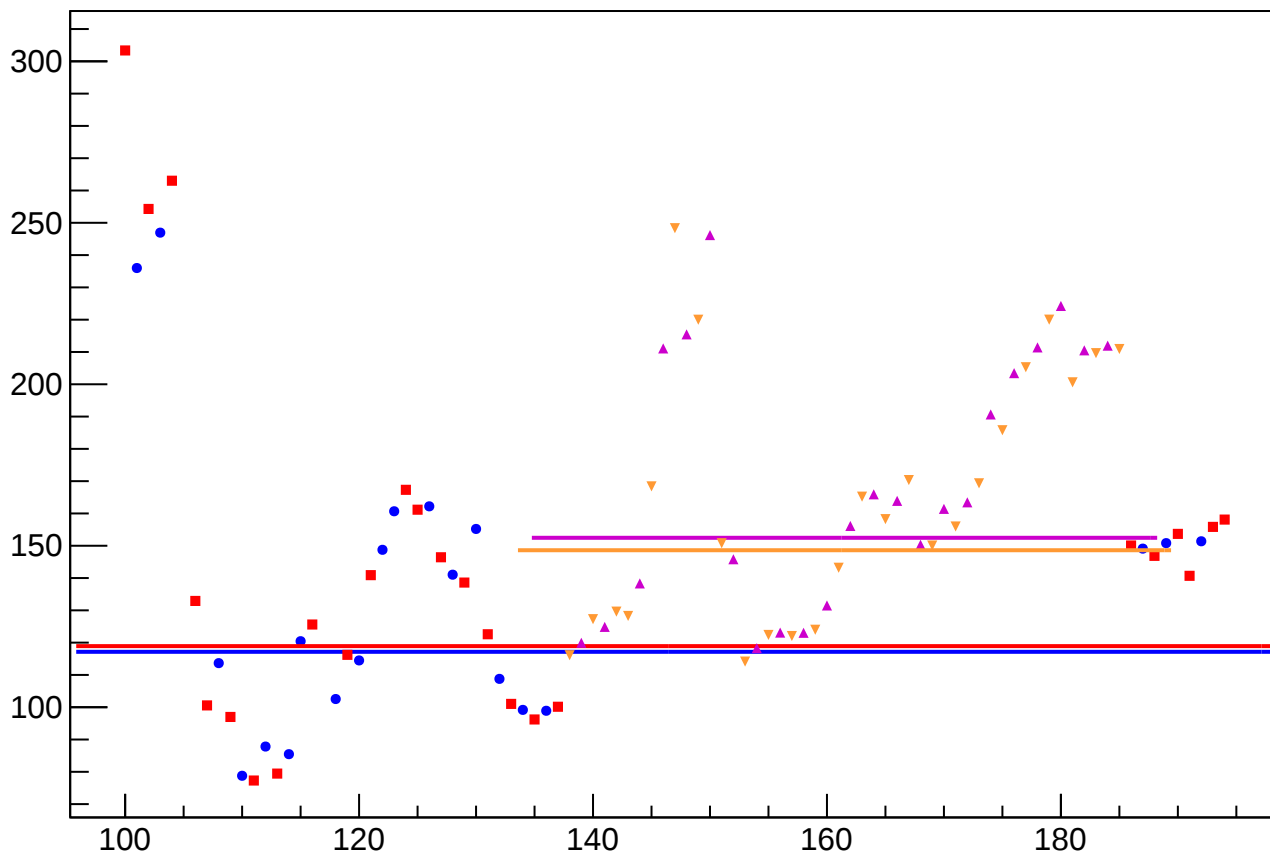
Left In: 8036.826+/-37.924 χ^2/NDF : 29261.6/22

+ sign 210.155+/-27.648 χ^2/NDF : 144530.8/44

All: 1064.959+/-19.379 χ^2/NDF : 357678.3/92

- sign 1890.444+/-27.170 χ^2/NDF : 211268.5/47

asym_bpm0i01aWS_rms vs Slug



Right In: 117.160 $\pm$ 0.031 χ^2 /NDF: 1298551.4/19

Left Out: 148.611 $\pm$ 0.025 χ^2 /NDF: 1685424.1/24

Right Out: 118.919 $\pm$ 0.028 χ^2 /NDF: 1685686.1/24

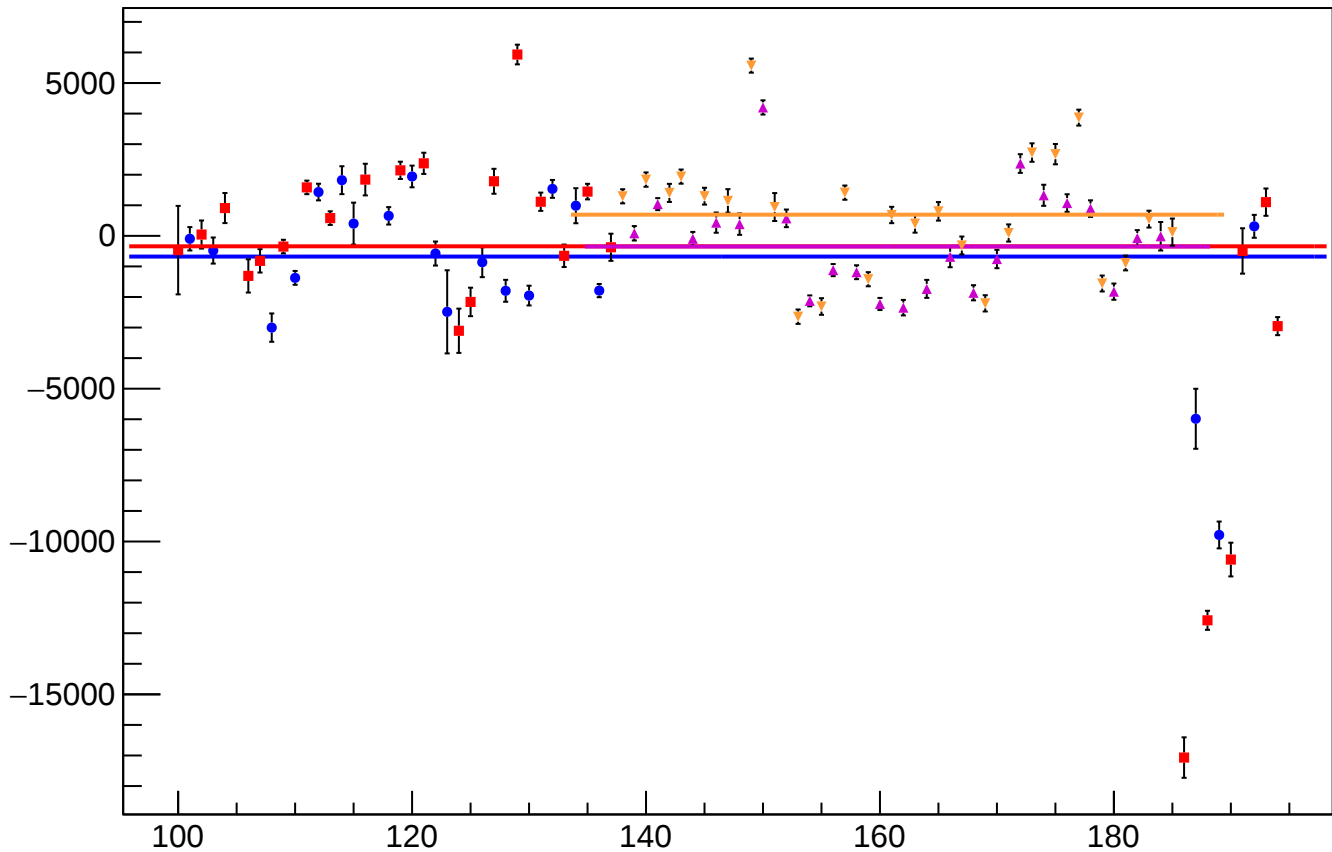
Left In: 152.463 $\pm$ 0.027 χ^2 /NDF: 1691517.7/22

+ sign 135.956 $\pm$ 0.020 χ^2 /NDF: 3606305.7/44

All: 136.048 $\pm$ 0.014 χ^2 /NDF: 7745162.1/92

- sign 136.136 $\pm$ 0.019 χ^2 /NDF: 4138813.5/47

asym_bpm0l01WS_mean vs Slug



Right In: -677.659 ± 80.317 χ^2/NDF : 791.9/19

Left Out: 692.998 ± 54.303 χ^2/NDF : 1422.0/24

Right Out: -341.970 ± 70.713 χ^2/NDF : 3384.0/24

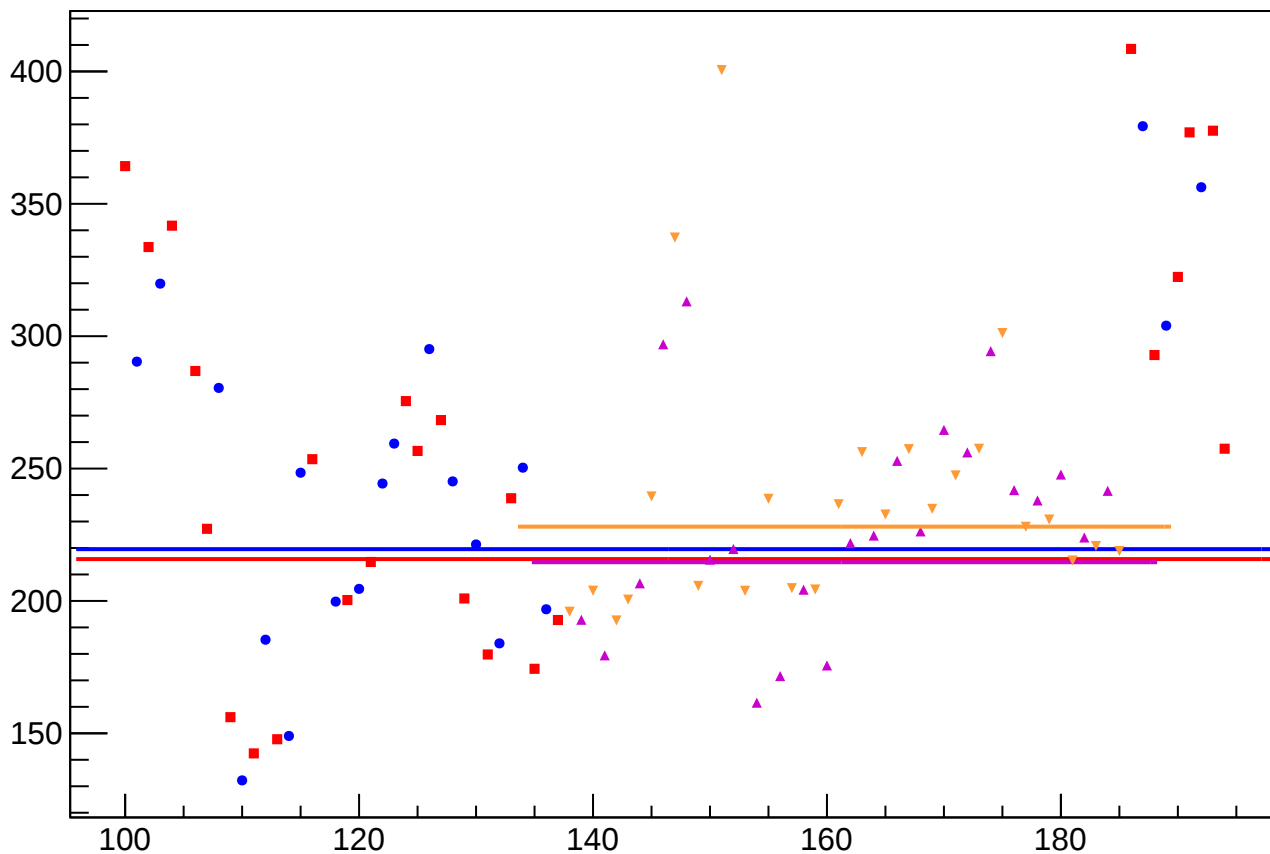
Left In: -349.623 ± 53.094 χ^2/NDF : 981.0/22

+ sign 262.996 ± 44.986 χ^2/NDF : 2413.8/44

All: -59.550 ± 30.877 χ^2/NDF : 6876.0/92

- sign -346.864 ± 42.458 χ^2/NDF : 4364.9/47

asym_bpm0l01WS_rms vs Slug



Right In: 219.564 ± 0.057 χ^2/NDF : 1125210.3/19

Left Out: 228.061 ± 0.038 χ^2/NDF : 826343.8/24

Right Out: 215.808 ± 0.050 χ^2/NDF : 1808833.6/24

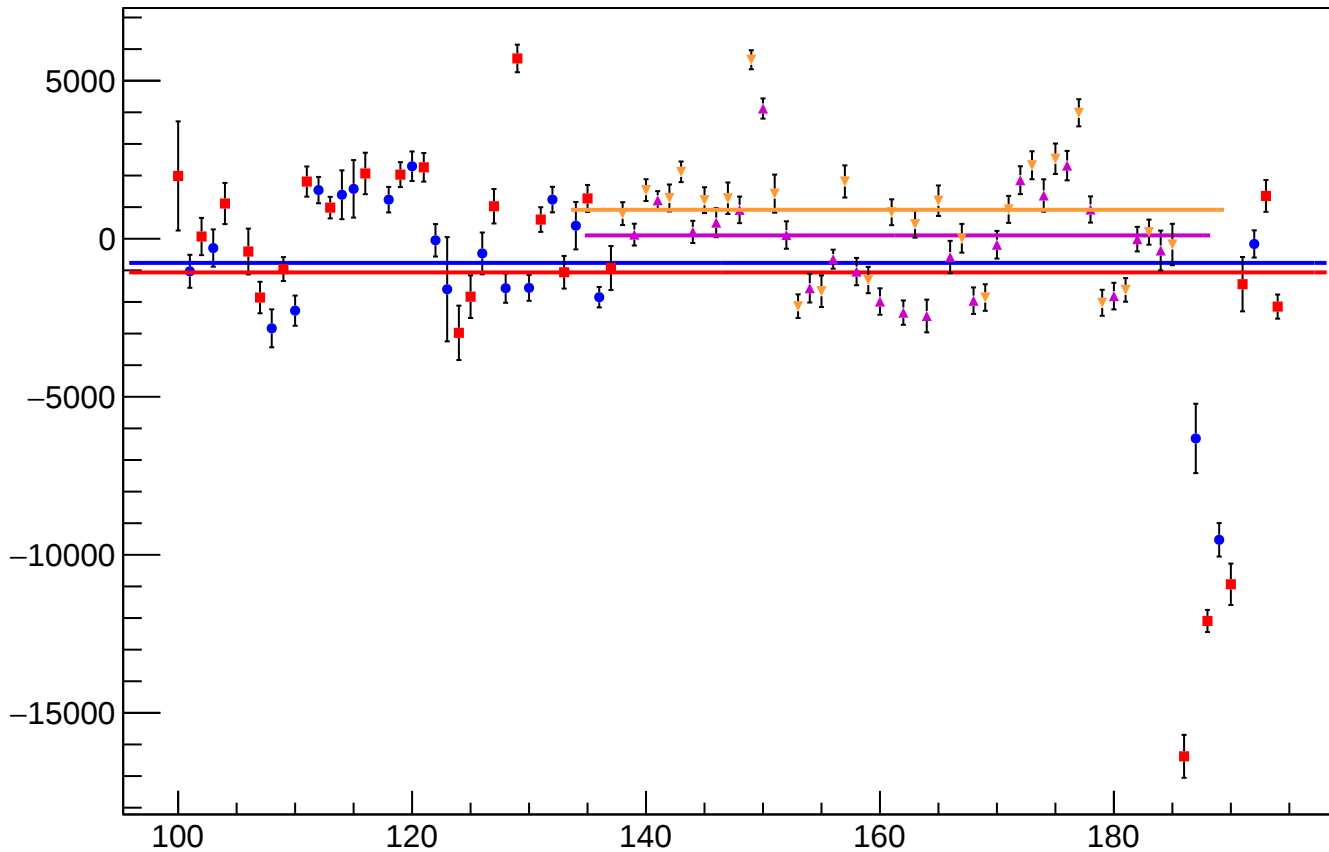
Left In: 214.627 ± 0.038 χ^2/NDF : 1025683.3/22

+ sign 225.395 ± 0.032 χ^2/NDF : 1966917.0/44

All: 219.925 ± 0.022 χ^2/NDF : 4857697.8/92

- sign 215.053 ± 0.030 χ^2/NDF : 2834873.7/47

asym_bpm0l02WS_mean vs Slug



Right In: -763.693 ± 113.637 $\chi^2/\text{NDF}: 482.9/19$

Left Out: 915.968 ± 83.398 $\chi^2/\text{NDF}: 618.3/24$

Right Out: -1065.022 ± 100.013 $\chi^2/\text{NDF}: 2300.9/24$

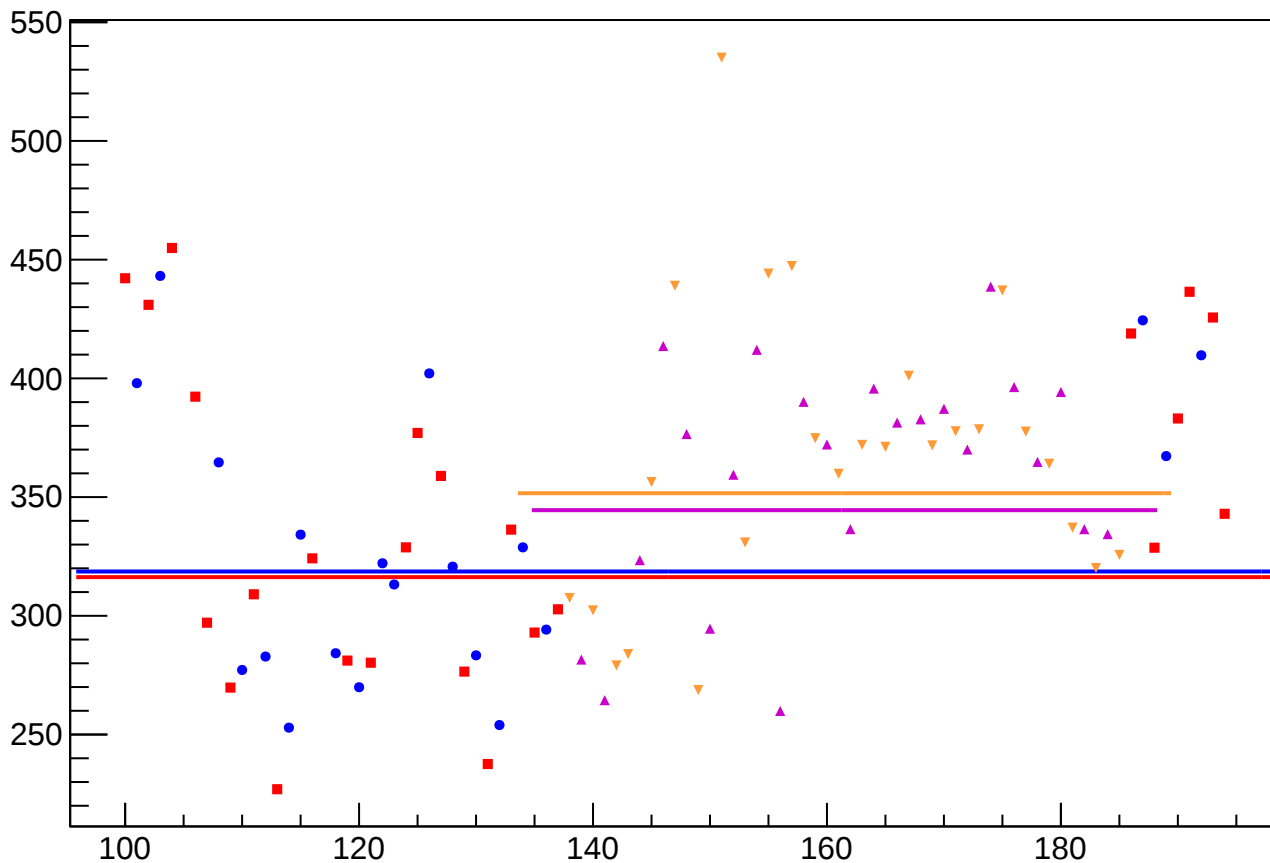
Left In: 106.116 ± 84.393 $\chi^2/\text{NDF}: 390.3/22$

+ sign 327.978 ± 67.234 $\chi^2/\text{NDF}: 1243.2/44$

All: -41.210 ± 46.545 $\chi^2/\text{NDF}: 4072.3/92$

- sign -380.962 ± 64.498 $\chi^2/\text{NDF}: 2771.2/47$

asym_bpm0l02WS_rms vs Slug



Right In: 318.665 $\pm$ 0.080 χ^2 /NDF: 462899.9/19

Left Out: 351.633 $\pm$ 0.059 χ^2 /NDF: 907849.3/24

Right Out: 316.288 $\pm$ 0.071 χ^2 /NDF: 747645.7/24

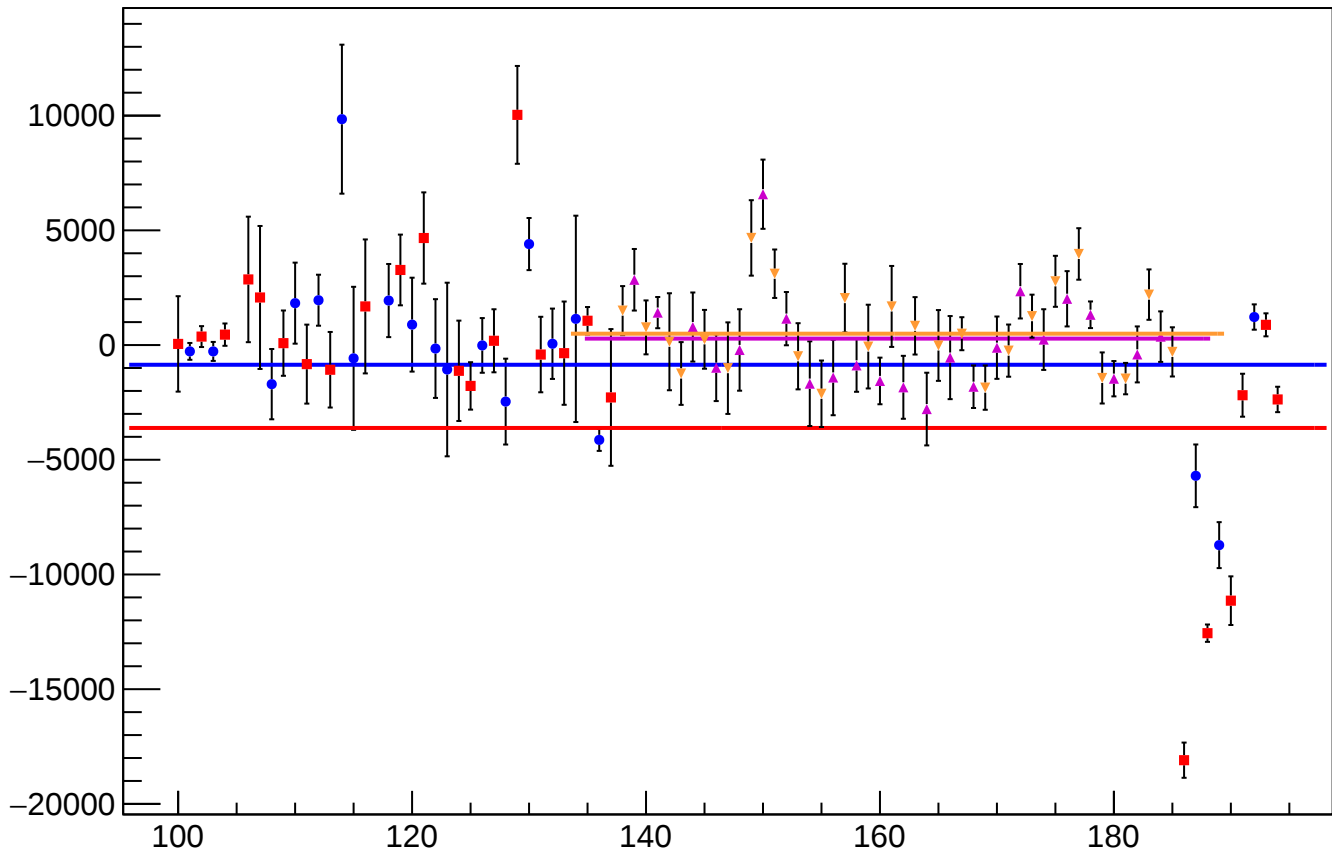
Left In: 344.491 $\pm$ 0.060 χ^2 /NDF: 768885.4/22

+ sign 340.092 $\pm$ 0.048 χ^2 /NDF: 1480156.1/44

All: 336.274 $\pm$ 0.033 χ^2 /NDF: 3101967.9/92

- sign 332.761 $\pm$ 0.046 χ^2 /NDF: 1609429.2/47

asym_bpm0l03WS_mean vs Slug



Right In: -859.142+/-191.107 χ^2/NDF : 186.8/19

Left Out: 495.014+/-231.058 χ^2/NDF : 56.2/24

Right Out: -3613.665+/-169.421 χ^2/NDF : 1384.8/24

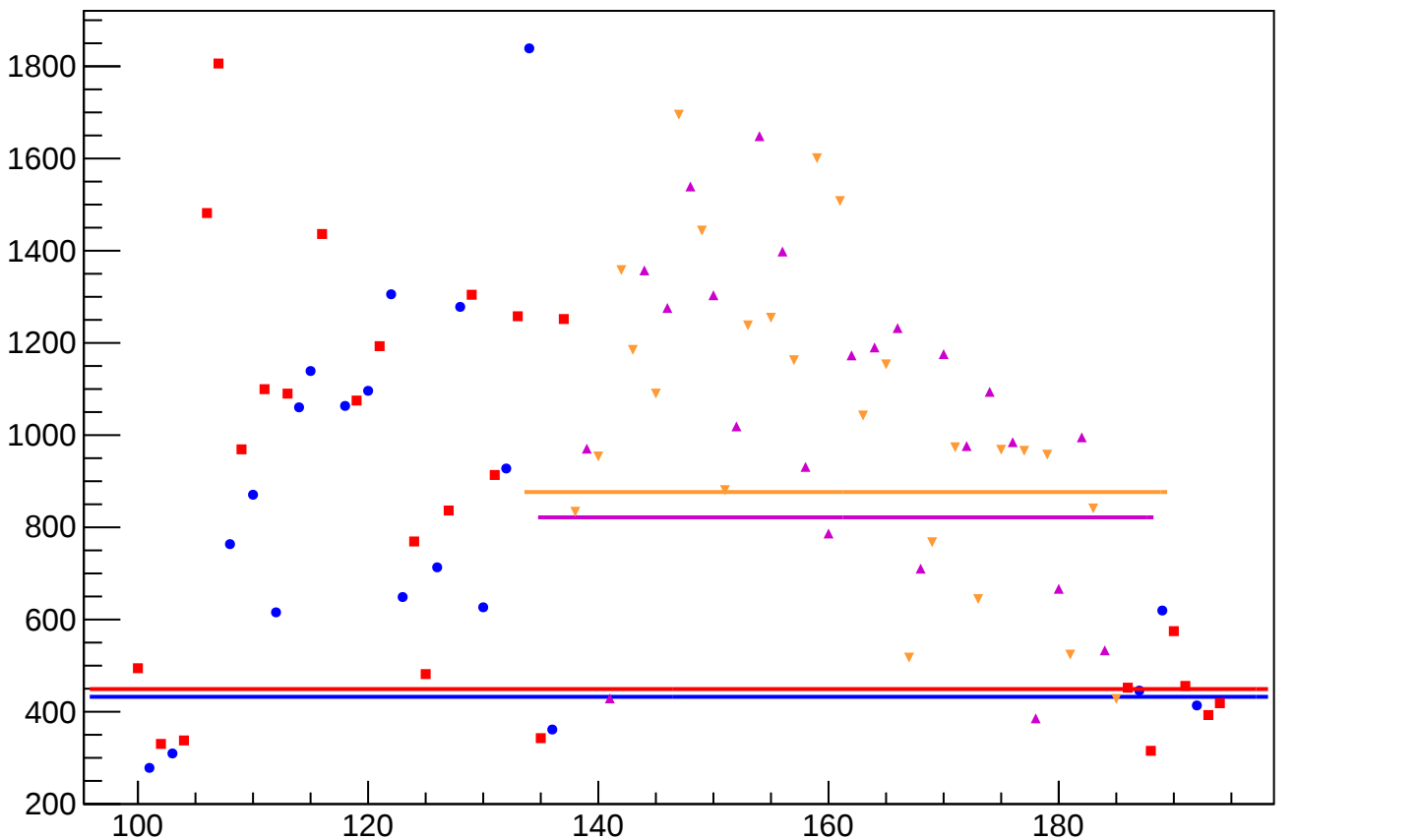
Left In: 280.692+/-232.048 χ^2/NDF : 57.2/22

+ sign -309.074+/-147.263 χ^2/NDF : 263.5/44

All: -1355.832+/-100.240 χ^2/NDF : 1983.3/92

- sign -2259.547+/-136.832 χ^2/NDF : 1625.7/47

asym_bpm0l03WS_rms vs Slug



Right In: 432.388+/-0.135 χ^2/NDF : 2936981.8/19

Left Out: 876.560+/-0.163 χ^2/NDF : 3434698.7/24

Right Out: 449.229+/-0.120 χ^2/NDF : 4061971.4/24

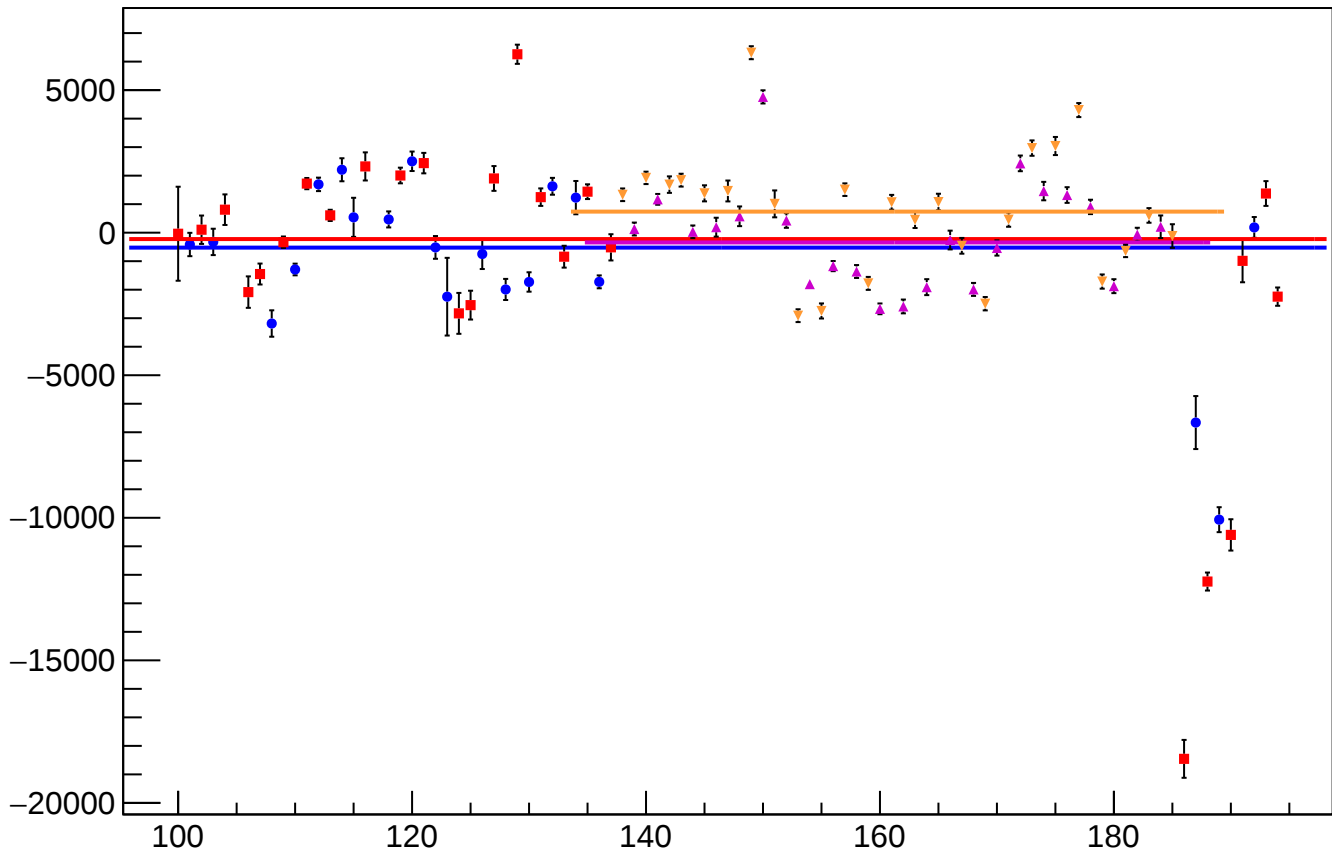
Left In: 821.657+/-0.164 χ^2/NDF : 4443094.2/22

+ sign 612.814+/-0.104 χ^2/NDF : 10760275.2/44

All: 594.521+/-0.071 χ^2/NDF : 22683310.1/92

- sign 578.727+/-0.097 χ^2/NDF : 11865529.9/47

asym_bpm0l04WS_mean vs Slug



Right In: -524.189 ± 78.896 χ^2/NDF : 917.5/19

Left Out: 738.847 ± 51.649 χ^2/NDF : 1935.2/24

Right Out: -224.264 ± 69.057 χ^2/NDF : 3399.5/24

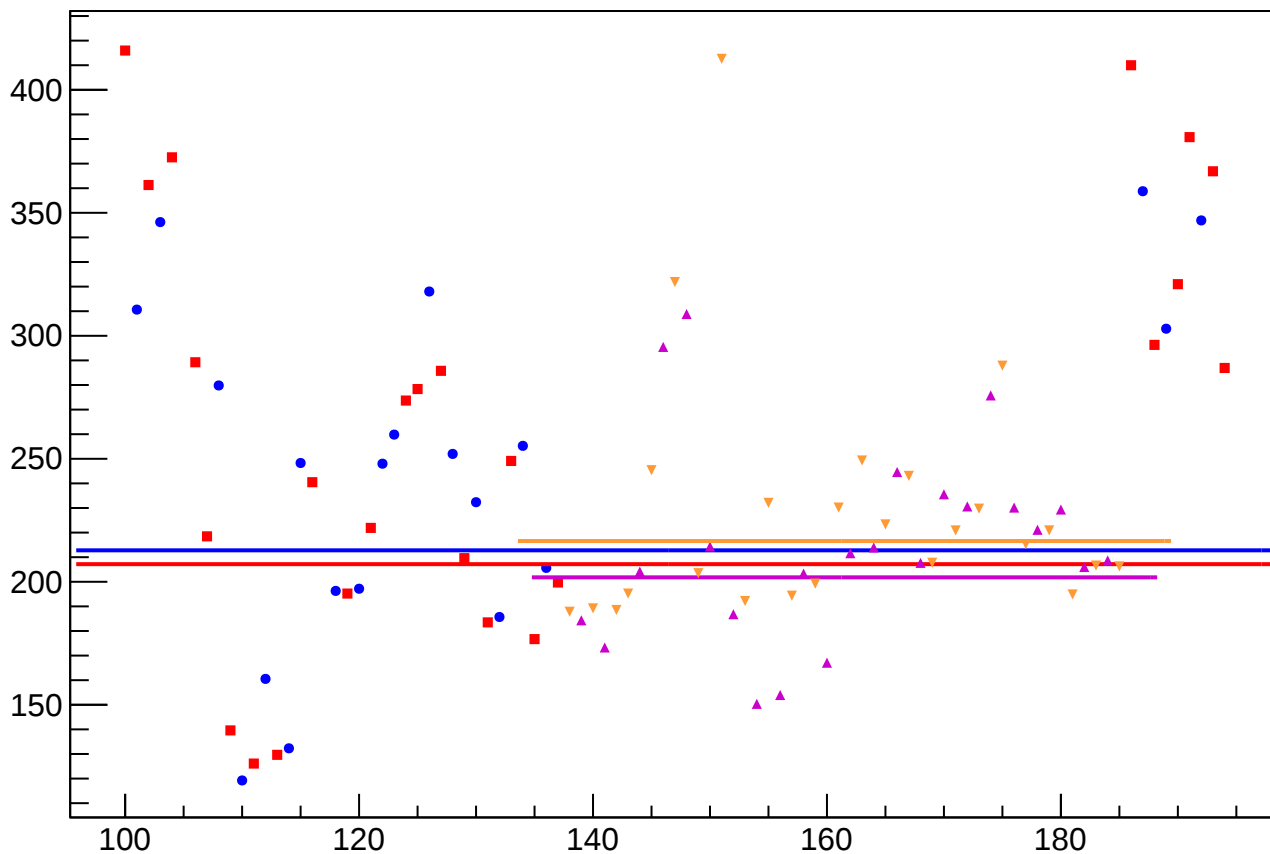
Left In: -342.465 ± 50.044 χ^2/NDF : 1254.9/22

+ sign 359.944 ± 43.213 χ^2/NDF : 3032.1/44

All: 7.852 ± 29.559 χ^2/NDF : 7813.2/92

- sign -301.765 ± 40.523 χ^2/NDF : 4656.3/47

asym_bpm0l04WS_rms vs Slug



Right In: 212.789 ± 0.056 $\chi^2/\text{NDF}: 1493478.7/19$

Left Out: 216.574 ± 0.037 $\chi^2/\text{NDF}: 886214.1/24$

Right Out: 207.167 ± 0.049 $\chi^2/\text{NDF}: 2472087.4/24$

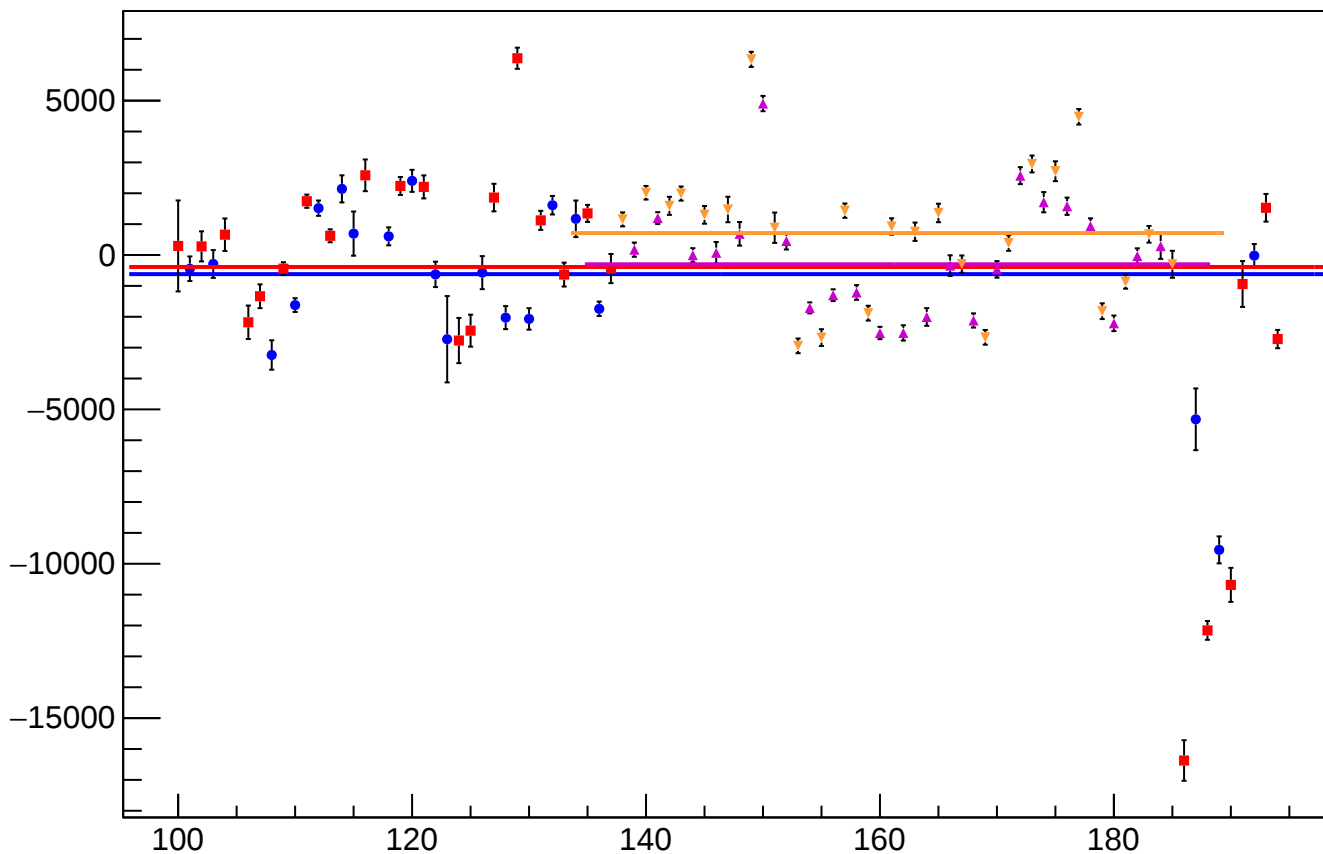
Left In: 201.805 ± 0.035 $\chi^2/\text{NDF}: 1087243.4/22$

+ sign 215.439 ± 0.031 $\chi^2/\text{NDF}: 2382914.6/44$

All: 209.167 ± 0.021 $\chi^2/\text{NDF}: 6029329.5/92$

- sign 203.652 ± 0.029 $\chi^2/\text{NDF}: 3567235.5/47$

asym_bpm0l05WS_mean vs Slug



Right In: -619.222 ± 81.745 χ^2/NDF : 820.7/19

Left Out: 711.174 ± 53.245 χ^2/NDF : 1835.3/24

Right Out: -387.426 ± 71.182 χ^2/NDF : 3337.6/24

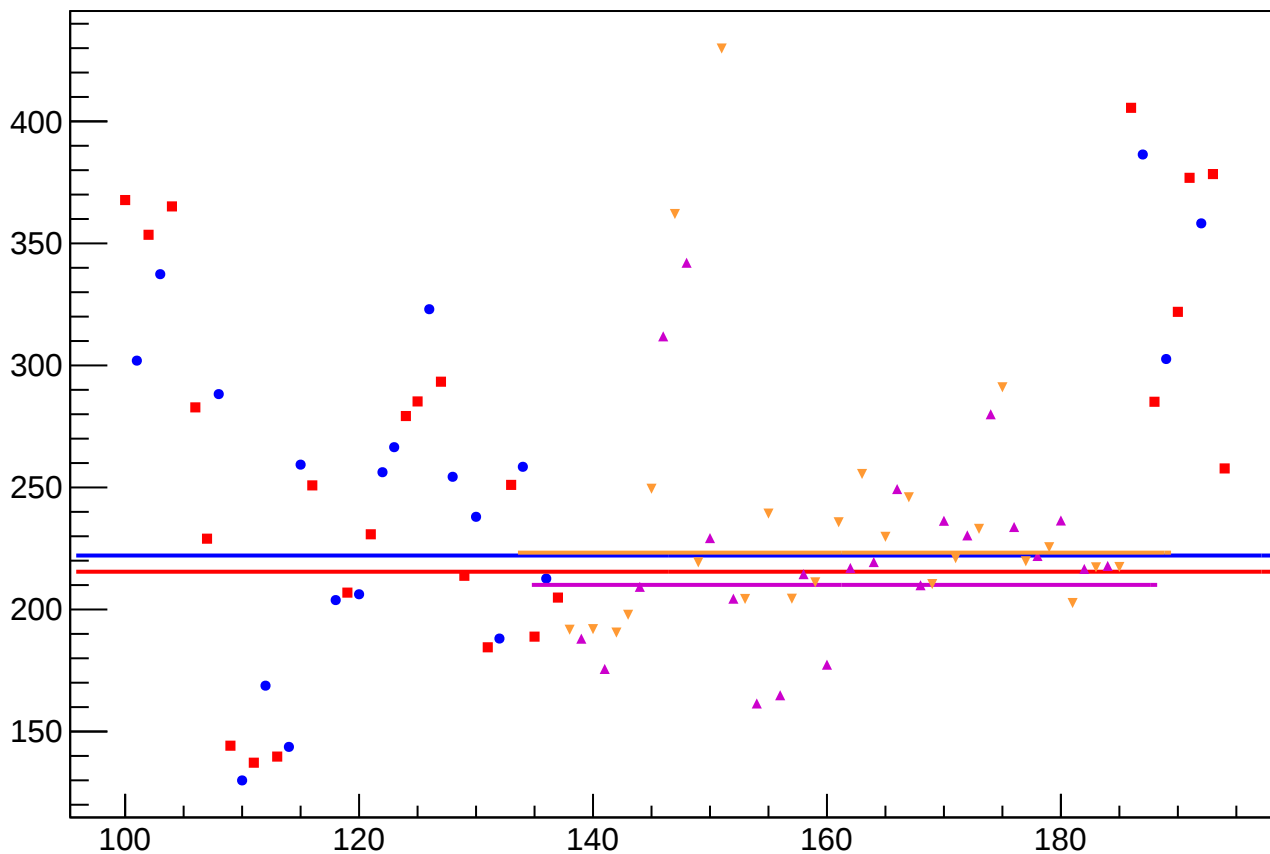
Left In: -300.516 ± 51.984 χ^2/NDF : 1208.6/22

+ sign 314.871 ± 44.615 χ^2/NDF : 2842.0/44

All: -27.560 ± 30.574 χ^2/NDF : 7500.2/92

- sign -330.746 ± 41.981 χ^2/NDF : 4547.2/47

asym_bpm0l05WS_rms vs Slug



Right In: 222.112 ± 0.058 $\chi^2/\text{NDF}: 1290819.2/19$

Left Out: 223.296 ± 0.038 $\chi^2/\text{NDF}: 922768.4/24$

Right Out: 215.476 ± 0.050 $\chi^2/\text{NDF}: 2069361.8/24$

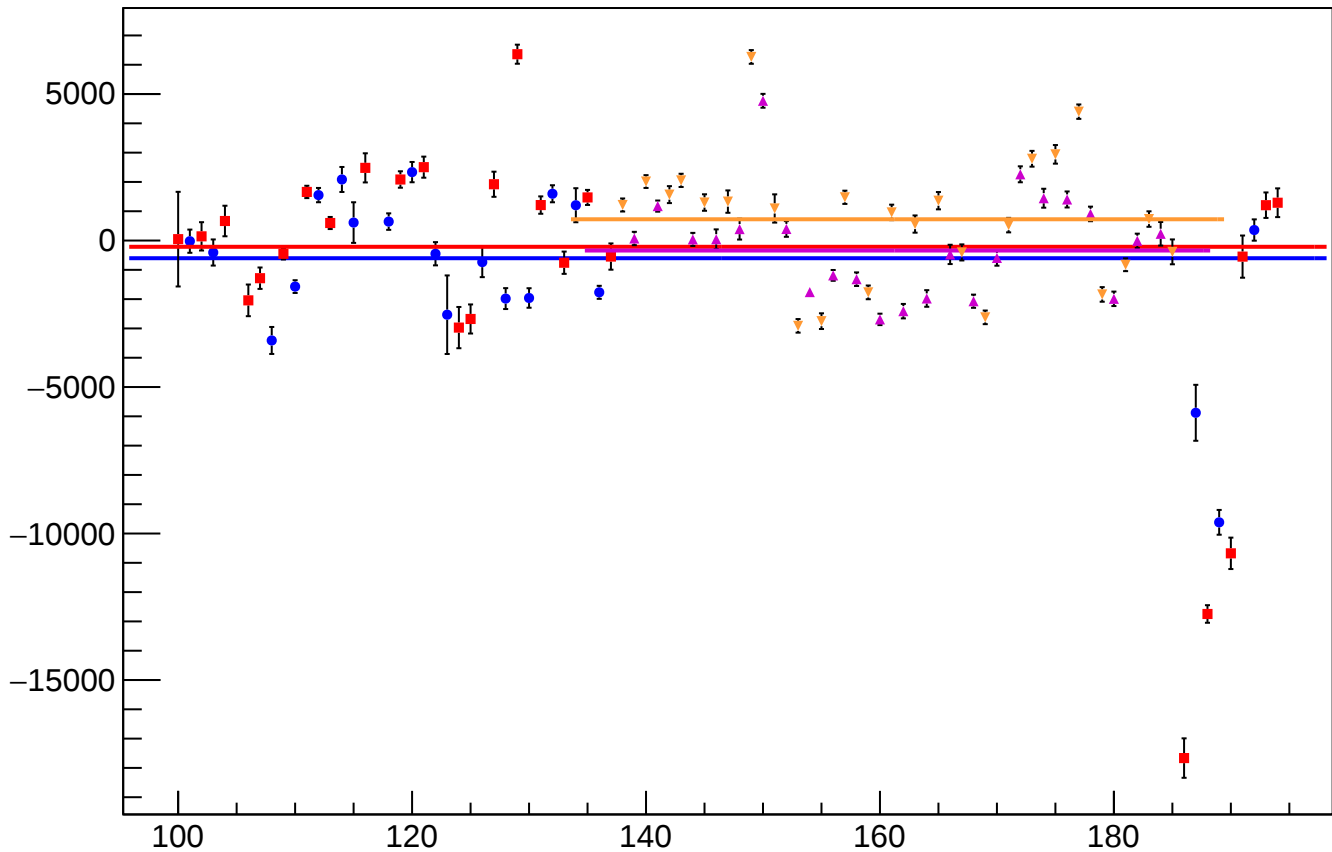
Left In: 210.080 ± 0.037 $\chi^2/\text{NDF}: 1015274.5/22$

+ sign 222.944 ± 0.032 $\chi^2/\text{NDF}: 2213882.3/44$

All: 217.116 ± 0.022 $\chi^2/\text{NDF}: 5370342.9/92$

- sign 211.957 ± 0.030 $\chi^2/\text{NDF}: 3092130.8/47$

asym_bpm0l06WS_mean vs Slug



Right In: -603.410 ± 79.199 χ^2/NDF : 891.6/19

Left Out: 725.866 ± 52.158 χ^2/NDF : 1912.7/24

Right Out: -213.480 ± 70.060 χ^2/NDF : 3631.6/24

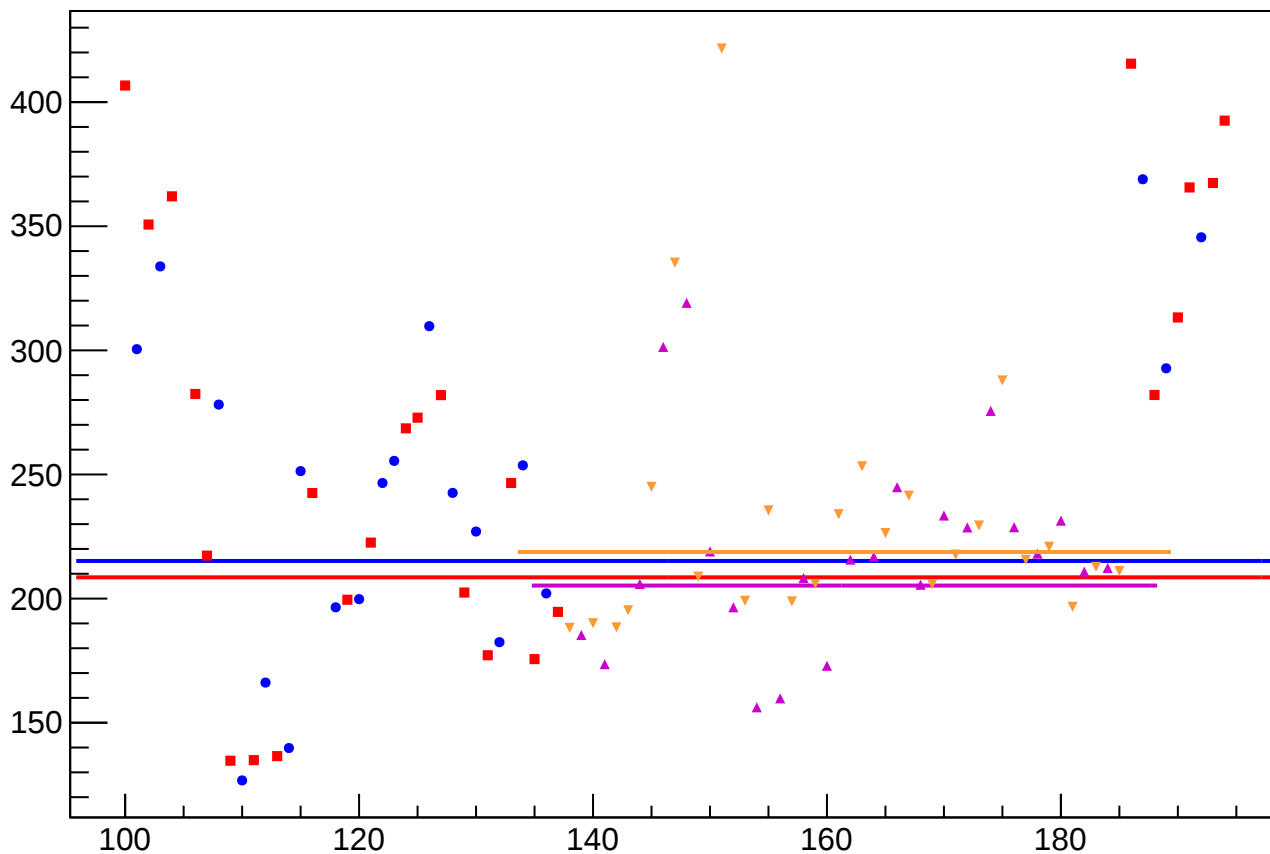
Left In: -340.502 ± 50.802 χ^2/NDF : 1201.8/22

+ sign 323.743 ± 43.560 χ^2/NDF : 3000.8/44

All: -4.302 ± 29.905 χ^2/NDF : 7943.7/92

- sign -296.729 ± 41.128 χ^2/NDF : 4835.6/47

asym_bpm0l06WS_rms vs Slug



Right In: 215.161 ± 0.056 χ^2/NDF : 1277544.6/19

Left Out: 218.768 ± 0.037 χ^2/NDF : 896914.5/24

Right Out: 208.565 ± 0.050 χ^2/NDF : 2418842.0/24

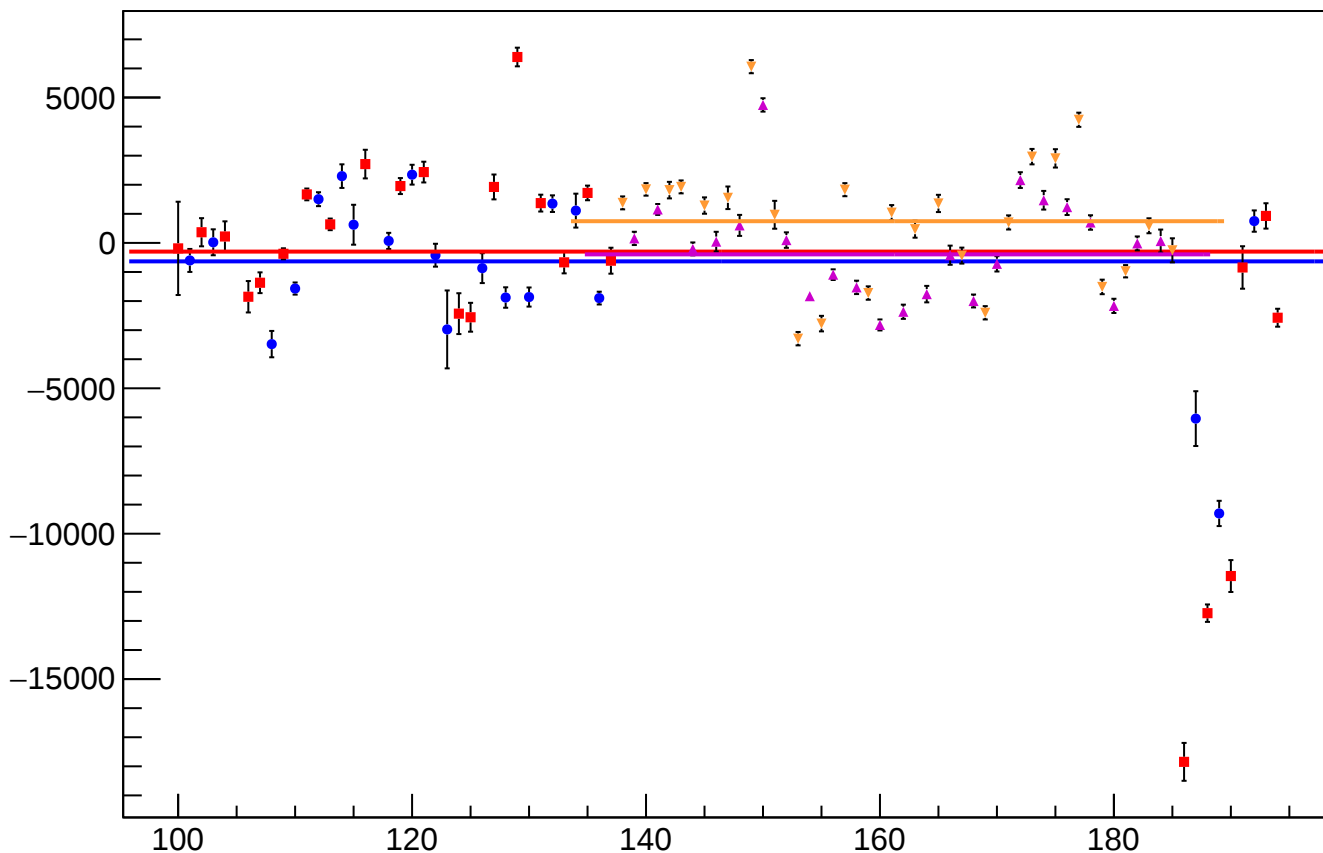
Left In: 205.249 ± 0.036 χ^2/NDF : 997168.8/22

+ sign 217.677 ± 0.031 χ^2/NDF : 2177353.7/44

All: 211.710 ± 0.021 χ^2/NDF : 5667273.2/92

- sign 206.392 ± 0.029 χ^2/NDF : 3418947.2/47

asym_bpm0l07WS_mean vs Slug



Right In: -635.032 ± 78.005 χ^2/NDF : 845.1/19

Left Out: 746.405 ± 51.592 χ^2/NDF : 1942.1/24

Right Out: -298.678 ± 67.759 χ^2/NDF : 3812.3/24

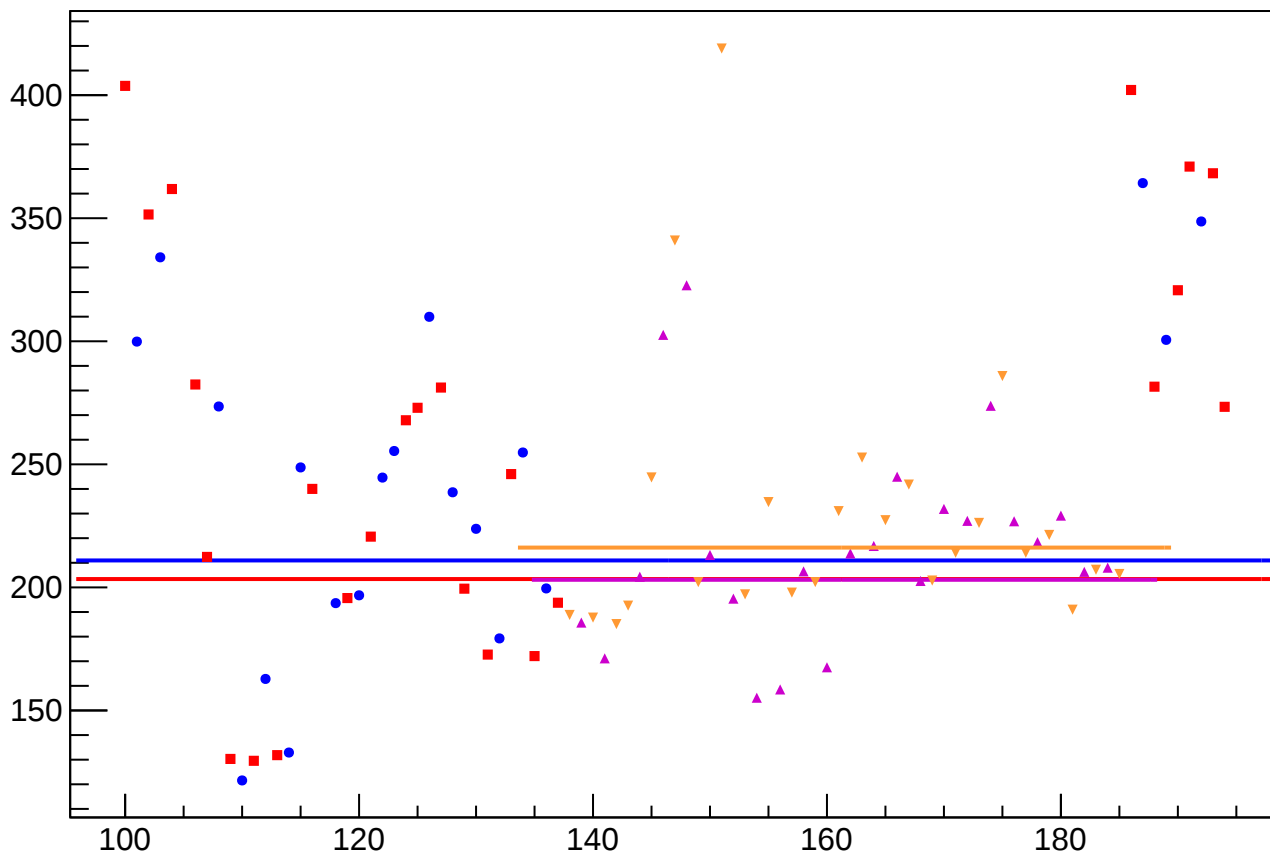
Left In: -394.379 ± 50.311 χ^2/NDF : 1236.4/22

+ sign 326.008 ± 43.031 χ^2/NDF : 3005.4/44

All: -38.858 ± 29.451 χ^2/NDF : 8190.7/92

- sign -360.368 ± 40.394 χ^2/NDF : 5050.0/47

asym_bpm0l07WS_rms vs Slug



Right In: 210.952 $\pm$ 0.055 χ^2 /NDF: 1397932.1/19

Left Out: 216.178 $\pm$ 0.036 χ^2 /NDF: 946050.8/24

Right Out: 203.393 $\pm$ 0.048 χ^2 /NDF: 2398641.4/24

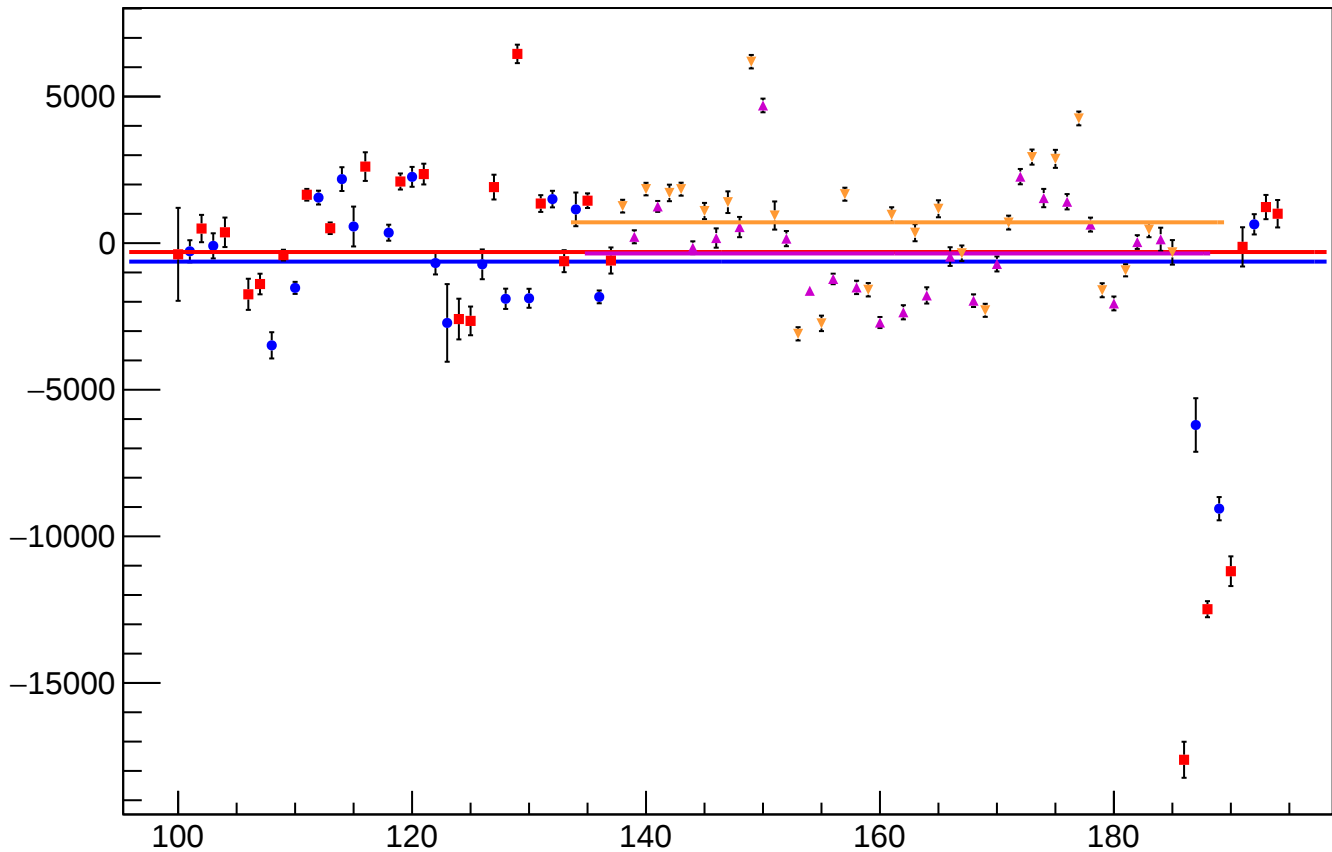
Left In: 203.101 $\pm$ 0.036 χ^2 /NDF: 1038013.0/22

+ sign 214.587 $\pm$ 0.030 χ^2 /NDF: 2350228.2/44

All: 208.536 $\pm$ 0.021 χ^2 /NDF: 5861301.1/92

- sign 203.205 $\pm$ 0.029 χ^2 /NDF: 3436678.3/47

asym_bpm0l08WS_mean vs Slug



Right In: -629.898 ± 76.520 χ^2/NDF : 914.7/19

Left Out: 710.238 ± 50.750 χ^2/NDF : 1932.3/24

Right Out: -302.761 ± 67.173 χ^2/NDF : 4161.2/24

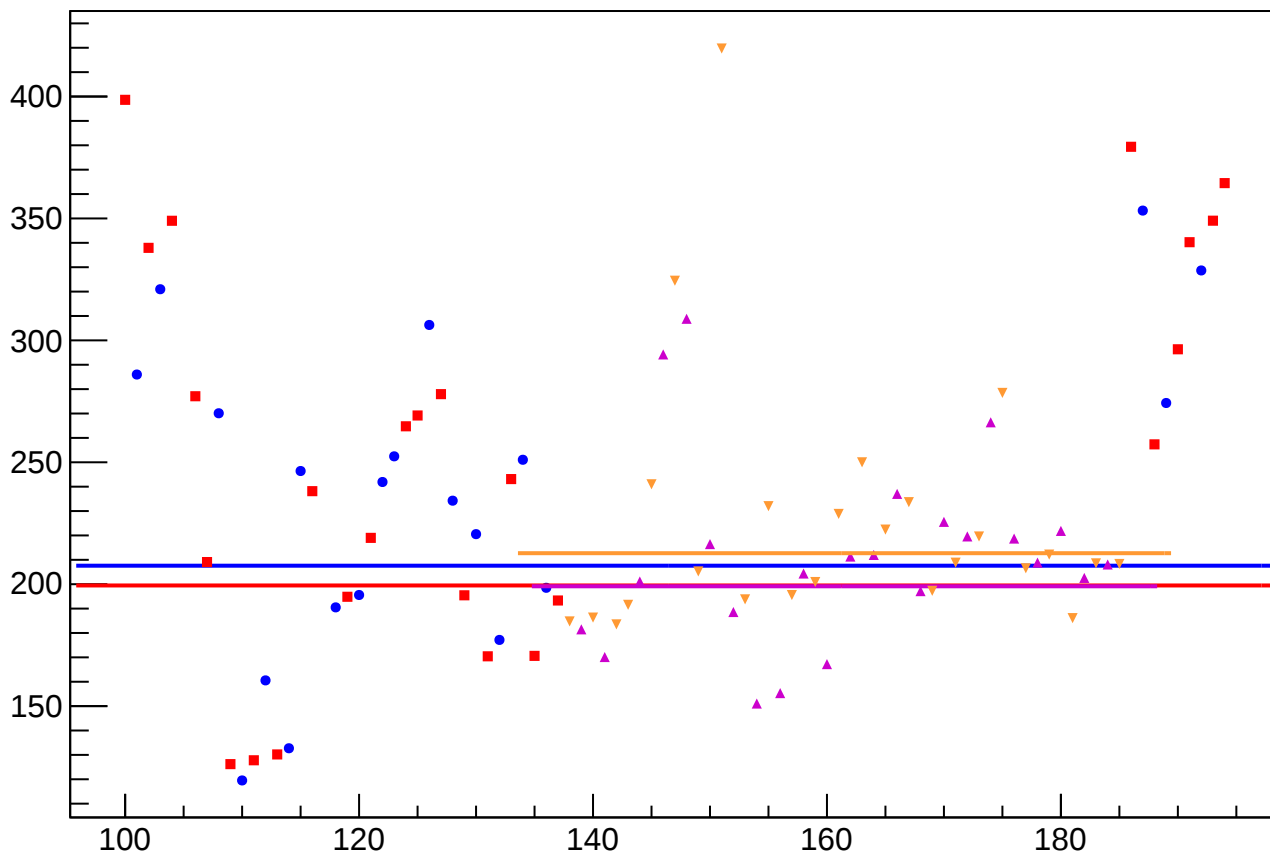
Left In: -352.432 ± 49.316 χ^2/NDF : 1233.1/22

+ sign 300.830 ± 42.294 χ^2/NDF : 3060.0/44

All: -36.776 ± 28.966 χ^2/NDF : 8574.6/92

- sign -335.036 ± 39.753 χ^2/NDF : 5394.6/47

asym_bpm0l08WS_rms vs Slug



Right In: 207.591+/-0.054 χ^2/NDF : 1296145.2/19

Left Out: 212.718+/-0.036 χ^2/NDF : 916225.9/24

Right Out: 199.483+/-0.047 χ^2/NDF : 2408917.1/24

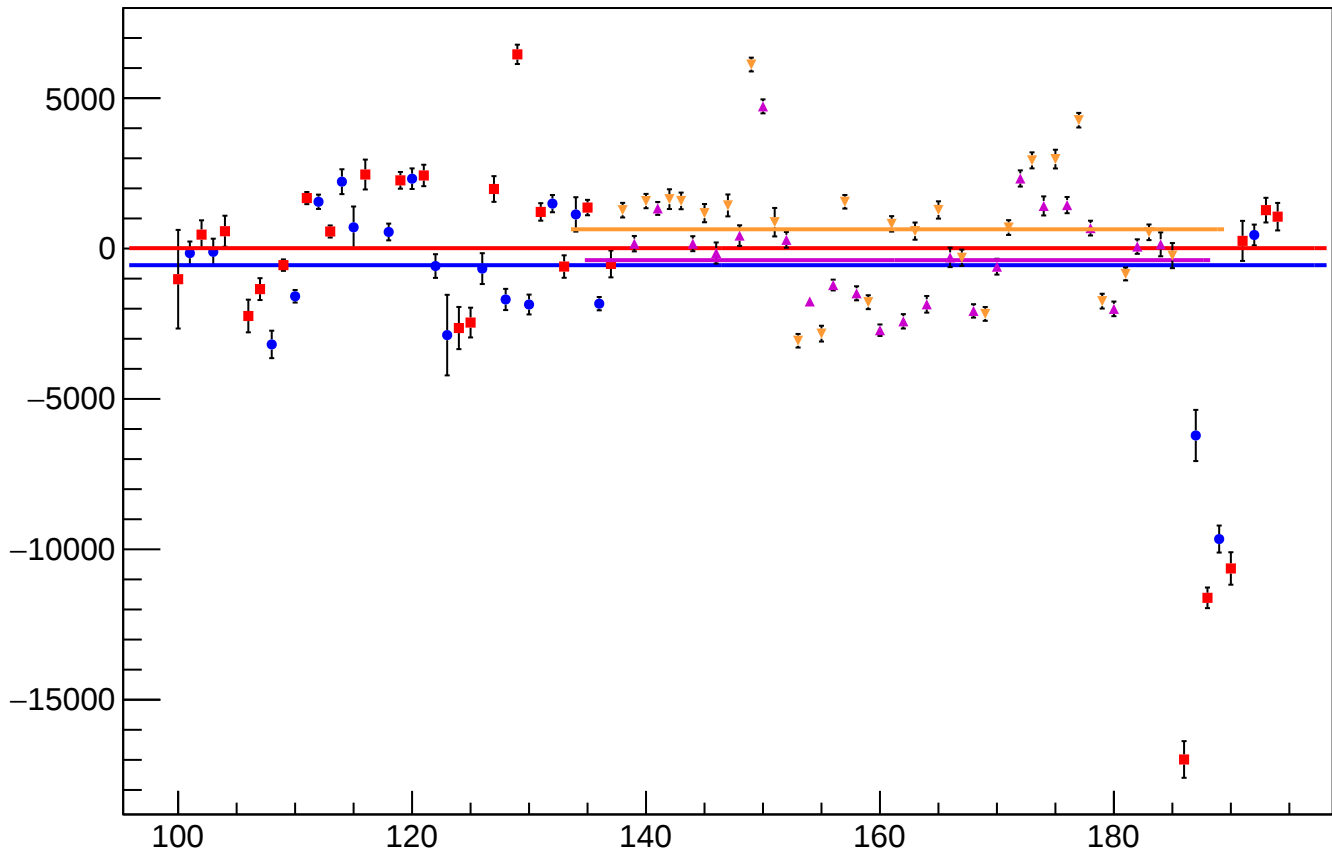
Left In: 199.142+/-0.035 χ^2/NDF : 985932.4/22

+ sign 211.152+/-0.030 χ^2/NDF : 2218608.3/44

All: 204.839+/-0.020 χ^2/NDF : 5697420.3/92

- sign 199.262+/-0.028 χ^2/NDF : 3394883.1/47

asym_bpm0l09WS_mean vs Slug



Right In: -553.367 ± 77.874 χ^2/NDF : 859.0/19

Left Out: 639.995 ± 52.708 χ^2/NDF : 1859.2/24

Right Out: 12.688 ± 69.107 χ^2/NDF : 3095.9/24

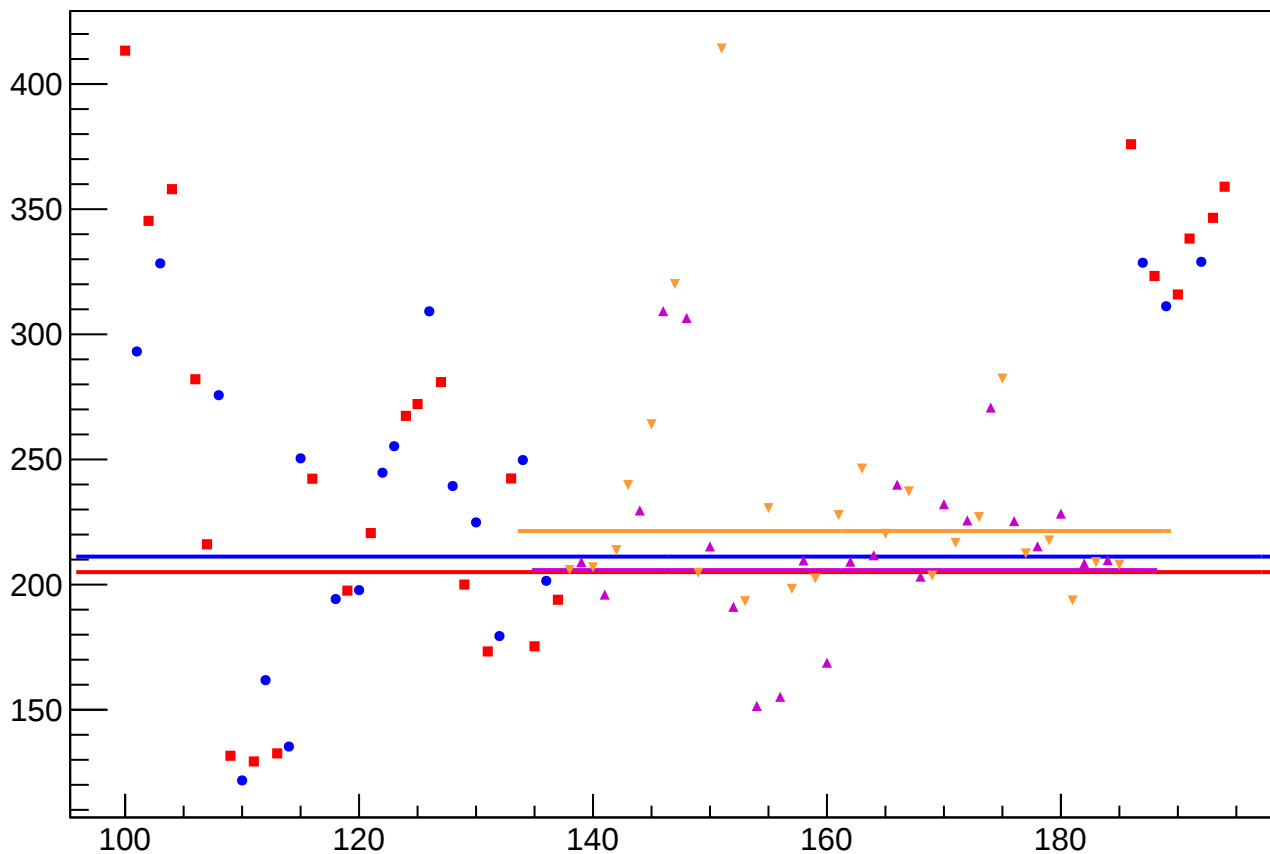
Left In: -386.248 ± 50.994 χ^2/NDF : 1238.0/22

+ sign 265.062 ± 43.650 χ^2/NDF : 2879.3/44

All: -6.046 ± 29.897 χ^2/NDF : 7307.4/92

- sign -245.609 ± 41.032 χ^2/NDF : 4355.5/47

asym_bpm0l09WS_rms vs Slug



Right In: 211.187 $\pm$ 0.055 χ^2 /NDF: 1320897.6/19

Left Out: 221.398 $\pm$ 0.037 χ^2 /NDF: 777833.8/24

Right Out: 204.997 $\pm$ 0.049 χ^2 /NDF: 2492074.4/24

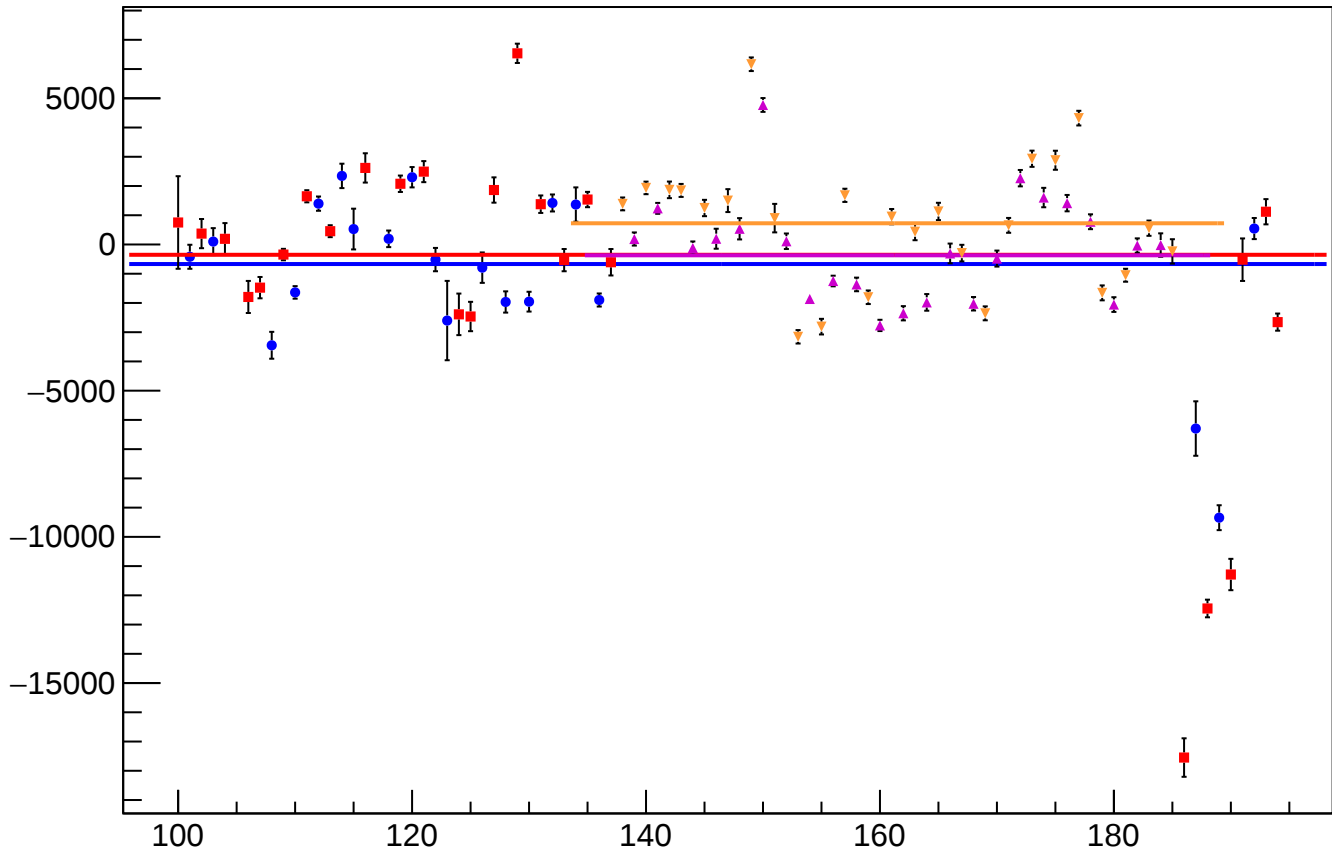
Left In: 205.803 $\pm$ 0.036 χ^2 /NDF: 994903.5/22

+ sign 218.190 $\pm$ 0.031 χ^2 /NDF: 2122312.9/44

All: 211.463 $\pm$ 0.021 χ^2 /NDF: 5698934.9/92

- sign 205.519 $\pm$ 0.029 χ^2 /NDF: 3487153.9/47

asym_bpm0l10WS_mean vs Slug



Right In: -668.829 ± 79.459 χ^2/NDF : 855.7/19

Left Out: 725.250 ± 52.307 χ^2/NDF : 1883.1/24

Right Out: -352.539 ± 68.989 χ^2/NDF : 3651.2/24

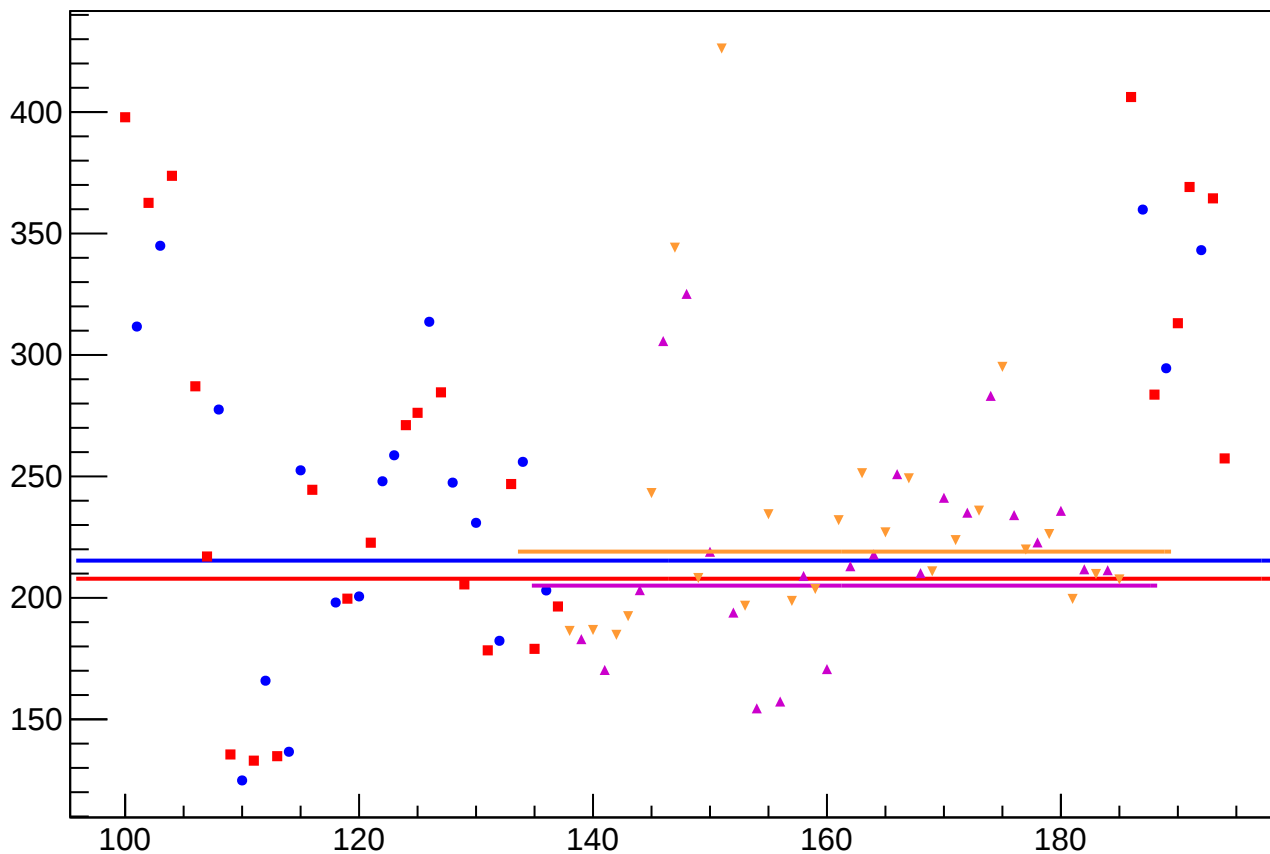
Left In: -370.408 ± 50.884 χ^2/NDF : 1223.2/22

+ sign 303.775 ± 43.690 χ^2/NDF : 2953.6/44

All: -51.765 ± 29.878 χ^2/NDF : 7952.4/92

- sign -364.112 ± 40.951 χ^2/NDF : 4874.4/47

asym_bpm0l10WS_rms vs Slug



Right In: 215.341 $\pm$ 0.056 χ^2 /NDF: 1347809.0/19

Left Out: 219.049 $\pm$ 0.037 χ^2 /NDF: 975564.4/24

Right Out: 207.884 $\pm$ 0.049 χ^2 /NDF: 2245177.0/24

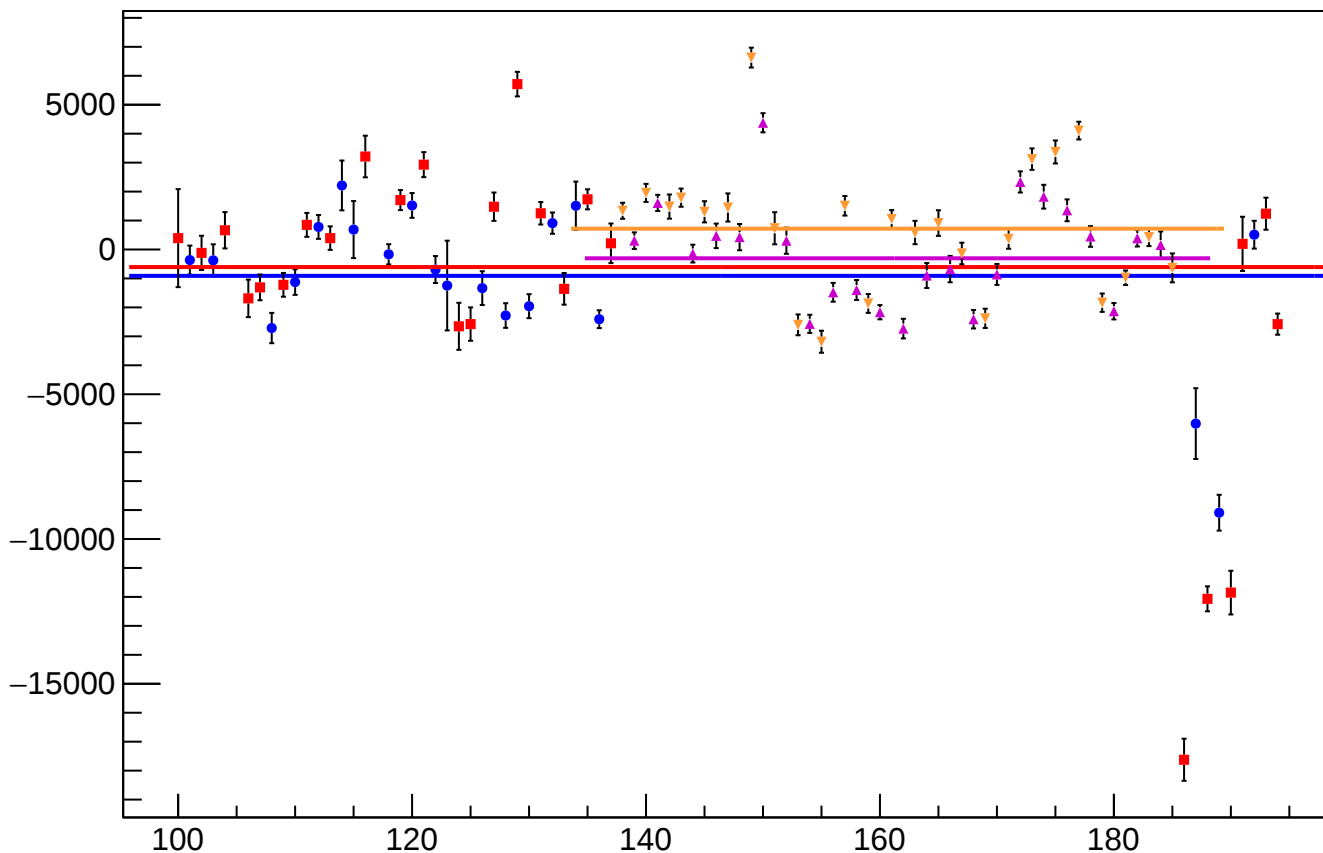
Left In: 205.046 $\pm$ 0.036 χ^2 /NDF: 1144197.1/22

+ sign 217.928 $\pm$ 0.031 χ^2 /NDF: 2326411.5/44

All: 211.603 $\pm$ 0.021 χ^2 /NDF: 5796714.2/92

- sign 206.046 $\pm$ 0.029 χ^2 /NDF: 3391564.9/47

asym_bpm0r03WS_mean vs Slug



Right In: -910.563 ± 108.906 χ^2/NDF : 358.8/19

Left Out: 718.705 ± 69.601 χ^2/NDF : 1018.5/24

Right Out: -607.263 ± 98.863 χ^2/NDF : 2018.9/24

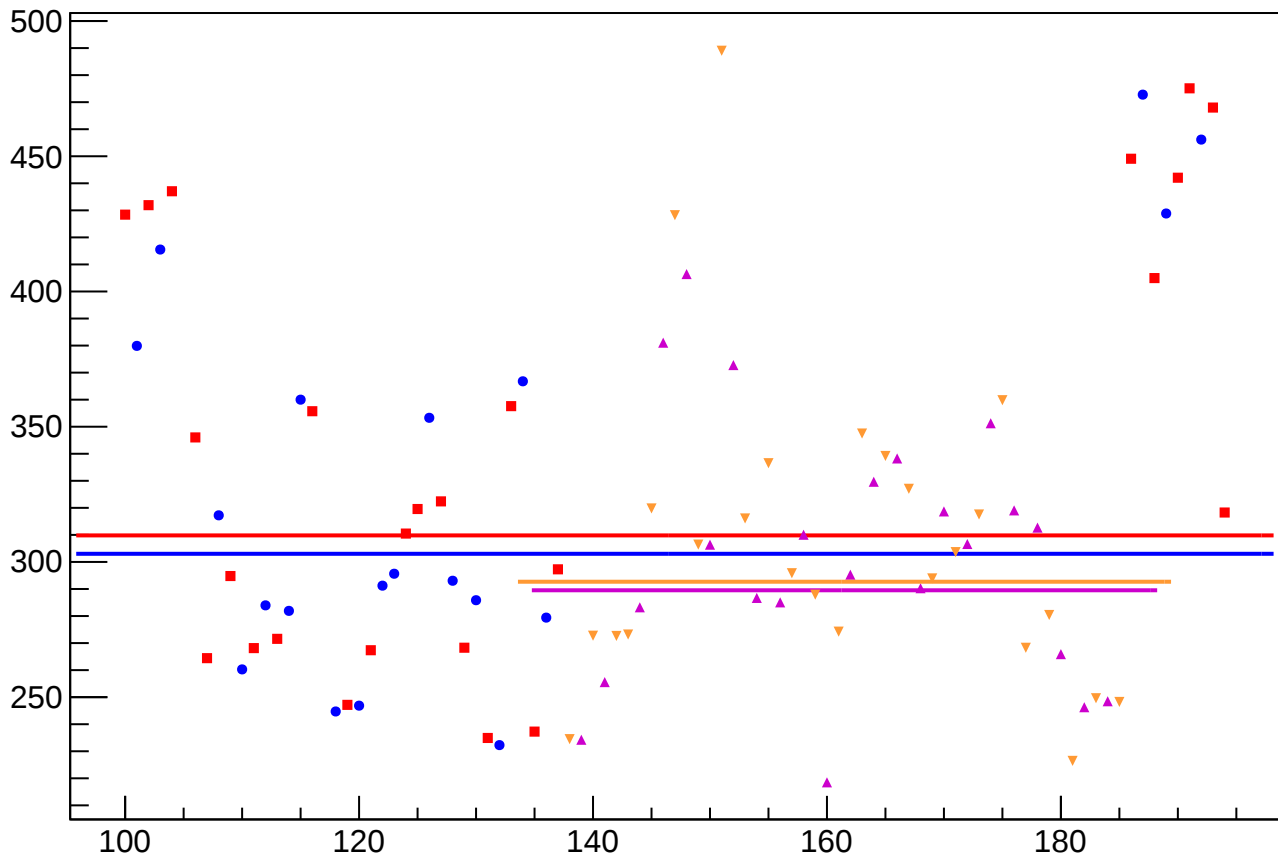
Left In: -304.161 ± 70.958 χ^2/NDF : 643.5/22

+ sign 246.230 ± 58.647 χ^2/NDF : 1536.2/44

All: -86.113 ± 41.111 χ^2/NDF : 4267.9/92

- sign -407.214 ± 57.646 χ^2/NDF : 2668.6/47

asym_bpm0r03WS_rms vs Slug



Right In: 303.013 $\pm$ 0.077 χ^2 /NDF: 695691.5/19

Left Out: 292.686 $\pm$ 0.049 χ^2 /NDF: 925193.6/24

Right Out: 309.813 $\pm$ 0.070 χ^2 /NDF: 996419.4/24

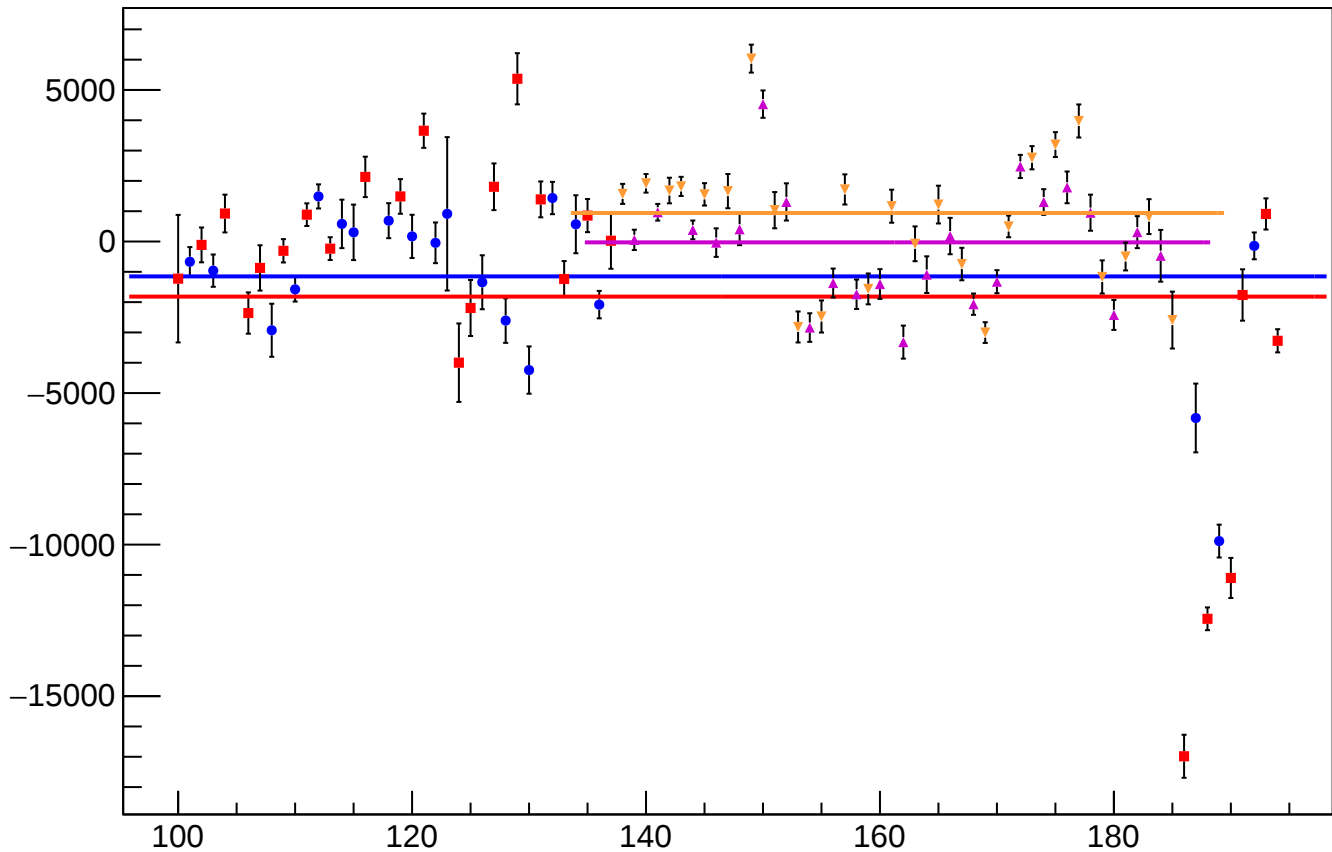
Left In: 289.522 $\pm$ 0.050 χ^2 /NDF: 777901.0/22

+ sign 295.681 $\pm$ 0.041 χ^2 /NDF: 1633652.8/44

All: 296.057 $\pm$ 0.029 χ^2 /NDF: 3463743.9/92

- sign 296.421 $\pm$ 0.041 χ^2 /NDF: 1829929.1/47

asym_bpm0r05WS_mean vs Slug



Right In: -1151.120 ± 134.580 χ^2/NDF : 407.0/19

Left Out: 941.598 ± 89.119 χ^2/NDF : 544.6/24

Right Out: -1818.005 ± 113.509 χ^2/NDF : 1929.5/24

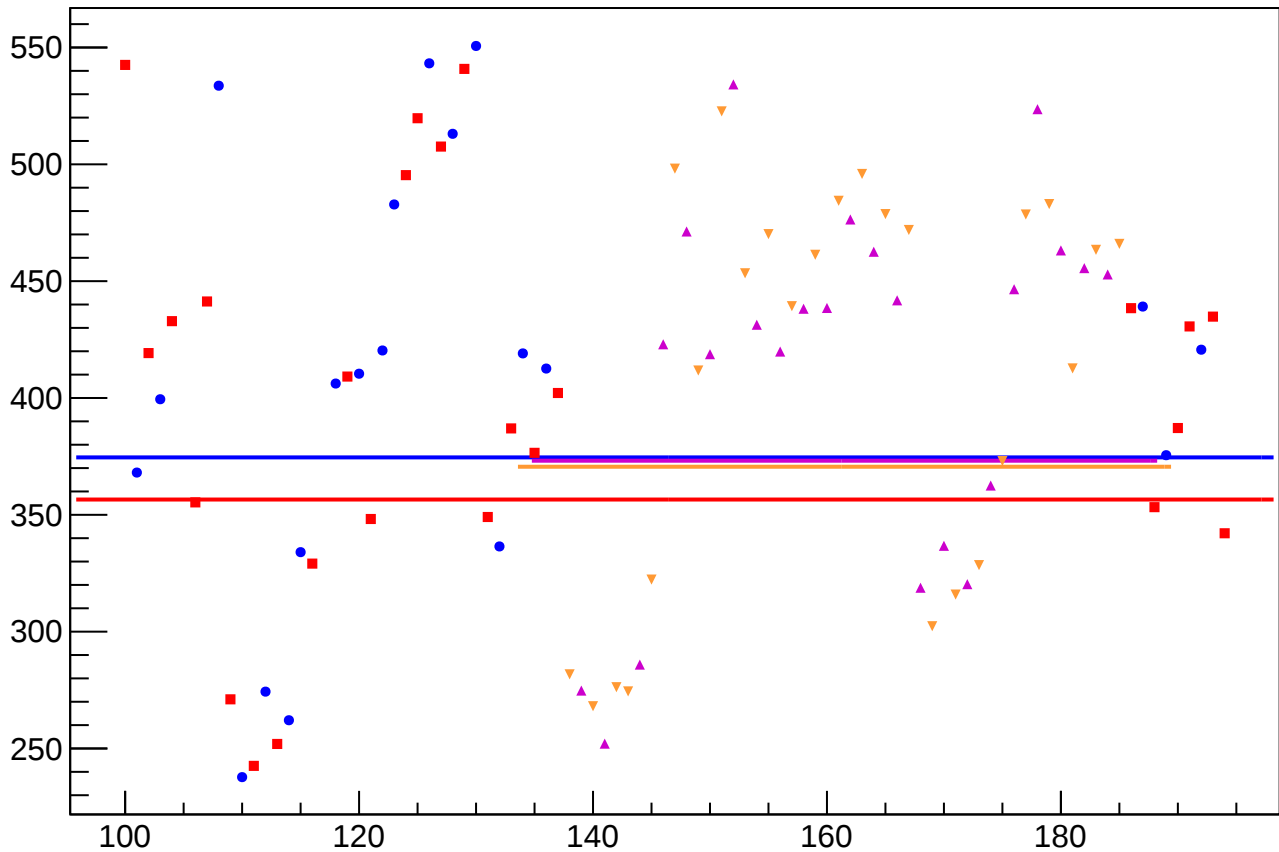
Left In: -27.763 ± 92.331 χ^2/NDF : 362.5/22

+ sign 303.662 ± 74.304 χ^2/NDF : 1119.7/44

All: -237.632 ± 51.568 χ^2/NDF : 3663.8/92

- sign -740.622 ± 71.627 χ^2/NDF : 2441.7/47

asym_bpm0r05WS_rms vs Slug



Right In: 374.579+/-0.095 χ^2/NDF : 797246.6/19

Left Out: 370.580+/-0.063 χ^2/NDF : 1878118.9/24

Right Out: 356.546+/-0.080 χ^2/NDF : 921336.0/24

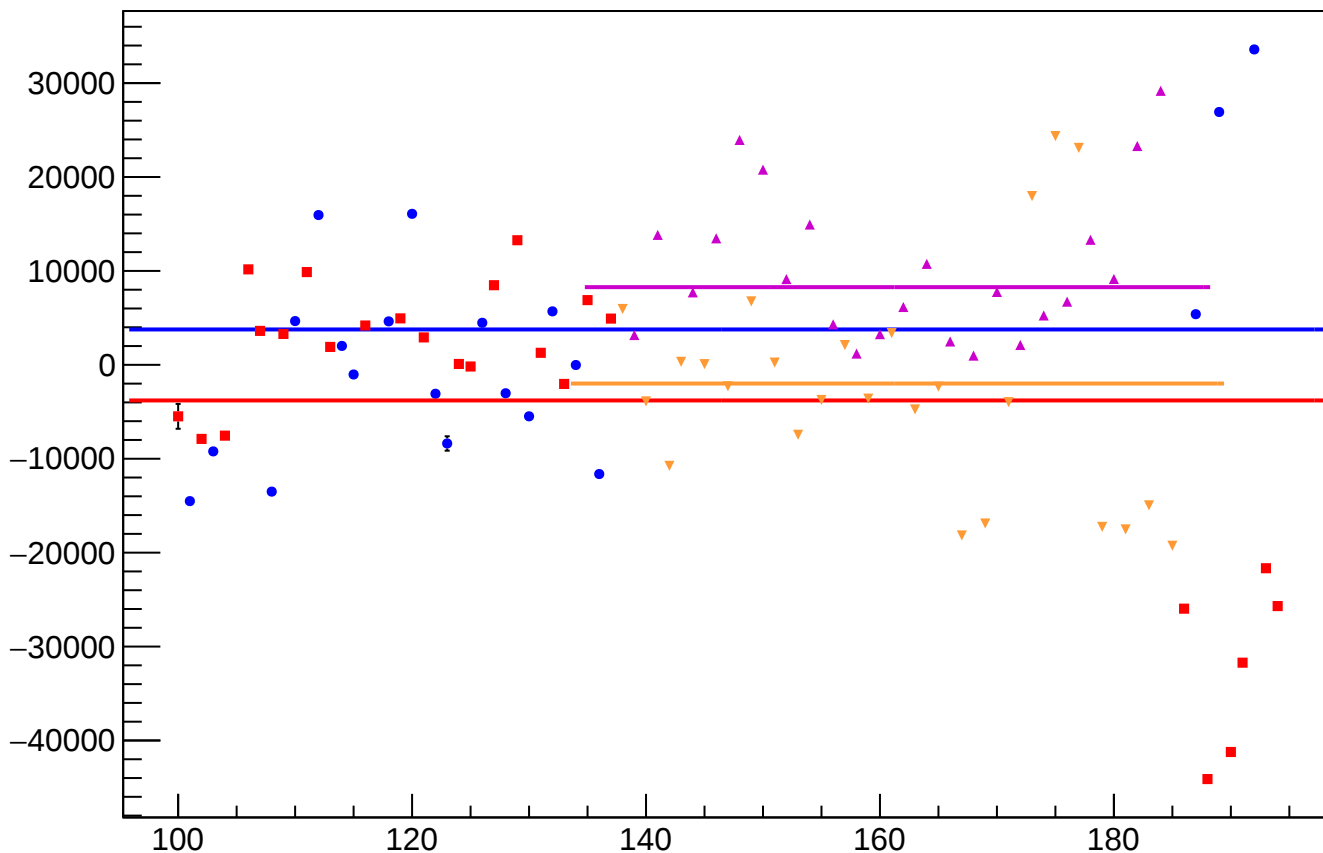
Left In: 373.161+/-0.065 χ^2/NDF : 1636244.2/22

+ sign 371.799+/-0.053 χ^2/NDF : 2676593.3/44

All: 369.075+/-0.036 χ^2/NDF : 5265143.4/92

- sign 366.545+/-0.051 χ^2/NDF : 2583367.4/47

asym_bpm0i02WS_mean vs Slug



Right In: 3767.726 $\pm$ 51.329 χ^2 /NDF: 67970.3/19

Left Out: -1991.788 $\pm$ 42.427 χ^2 /NDF:63766.6/24

Right Out: -3792.448 $\pm$ 46.060 χ^2 /NDF: 126411.3/24

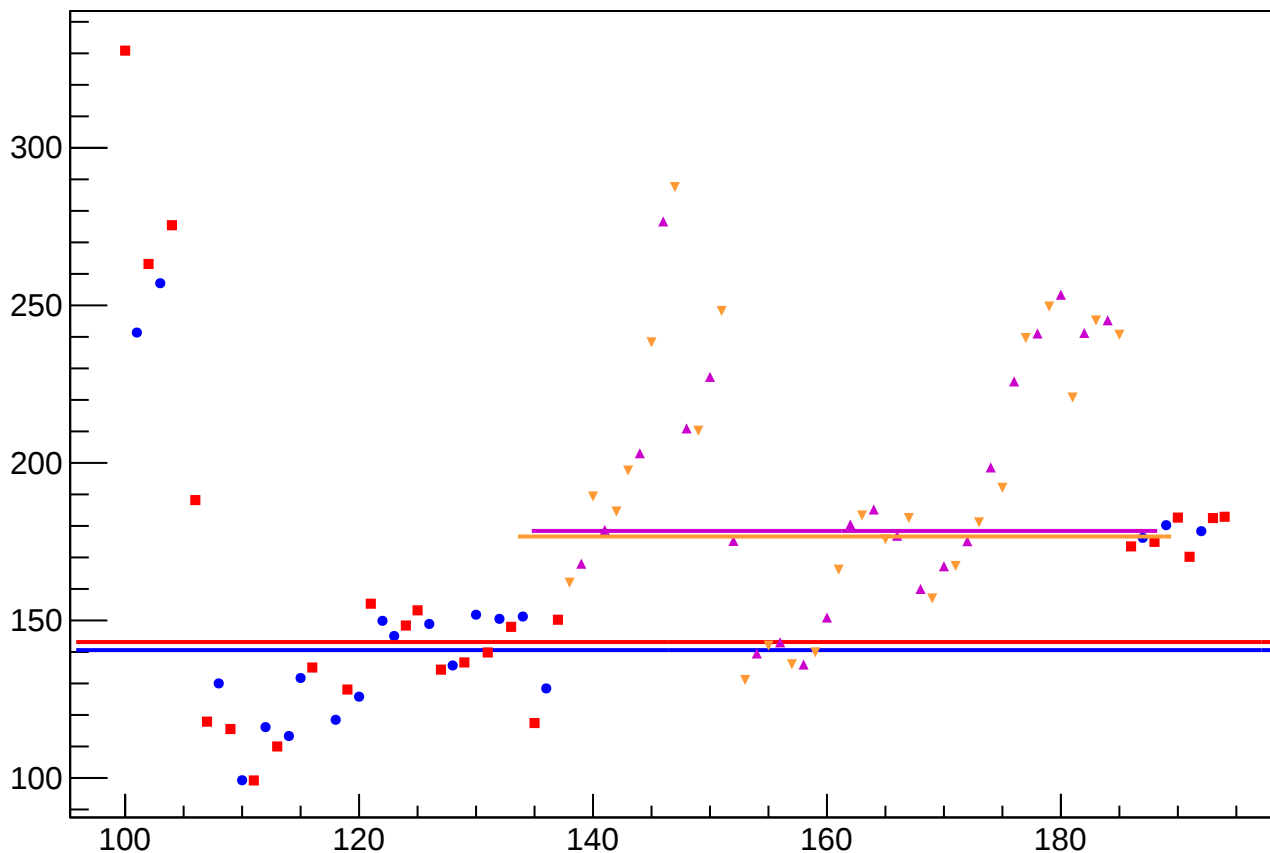
Left In: 8273.228 $\pm$ 44.301 χ^2 /NDF:22870.2/22

+ sign 345.983 $\pm$ 32.702 χ^2 /NDF: 139217.0/44

All: 1436.021 $\pm$ 22.846 χ^2 /NDF: 326314.0/92

- sign 2475.184 $\pm$ 31.929 χ^2 /NDF: 184926.8/47

asym_bpm0i02WS_rms vs Slug



Right In: 140.583 $\pm$ 0.036 χ^2 /NDF: 816529.9/19

Left Out: 176.641 $\pm$ 0.030 χ^2 /NDF:1551048.8/24

Right Out: 143.145 $\pm$ 0.033 χ^2 /NDF: 1182079.7/24

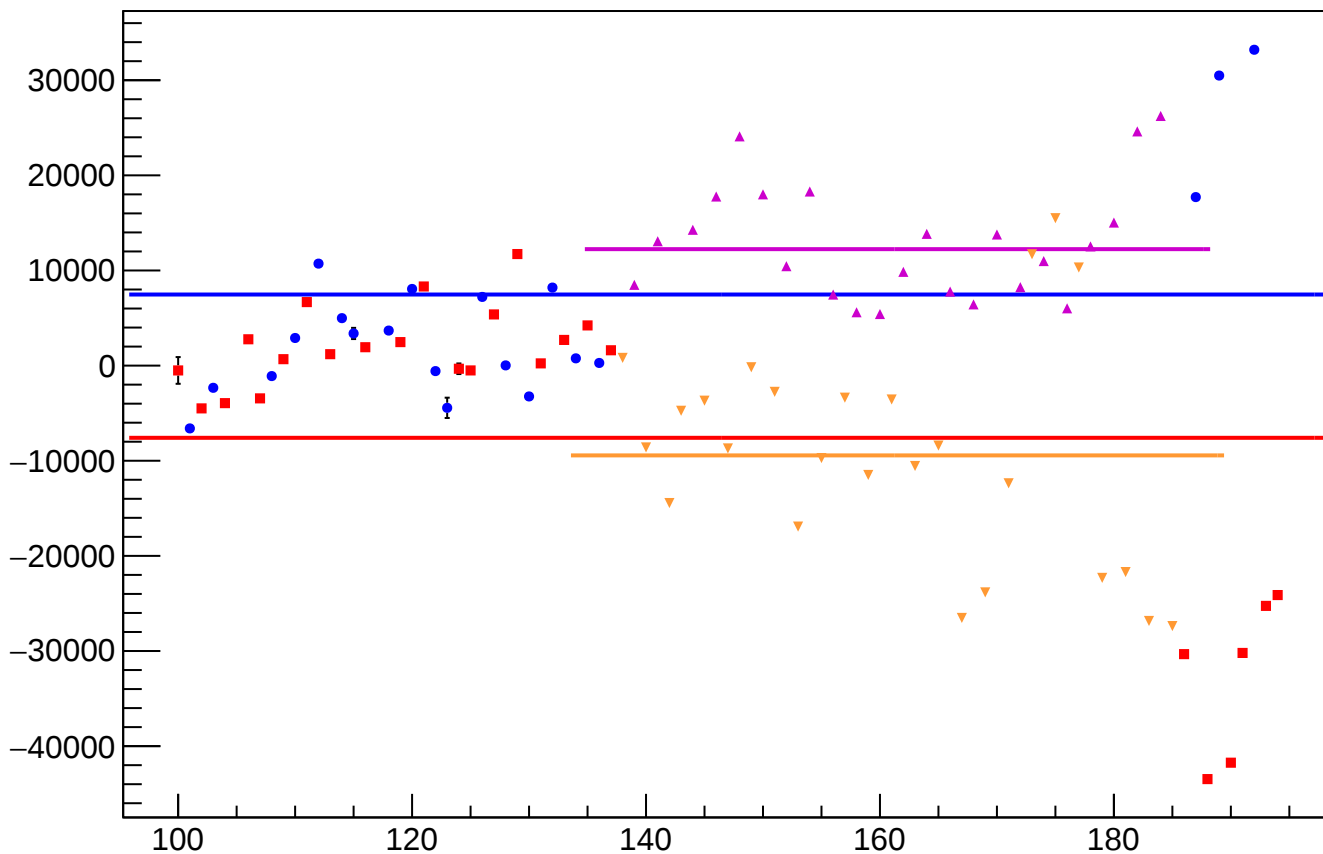
Left In: 178.413 $\pm$ 0.031 χ^2 /NDF:1293736.2/22

+ sign 162.005 $\pm$ 0.023 χ^2 /NDF: 2953943.6/44

All: 161.729 $\pm$ 0.016 χ^2 /NDF: 6039150.4/92

- sign 161.465 $\pm$ 0.023 χ^2 /NDF: 3084928.2/47

asym_bpm0i02aWS_mean vs Slug



Right In: 7473.094+/-64.743 χ^2/NDF : 30580.6/19

Left Out: -9437.408+/-45.534 χ^2/NDF : 62220.4/24

Right Out: -7589.026+/-55.671 χ^2/NDF : 95958.6/24

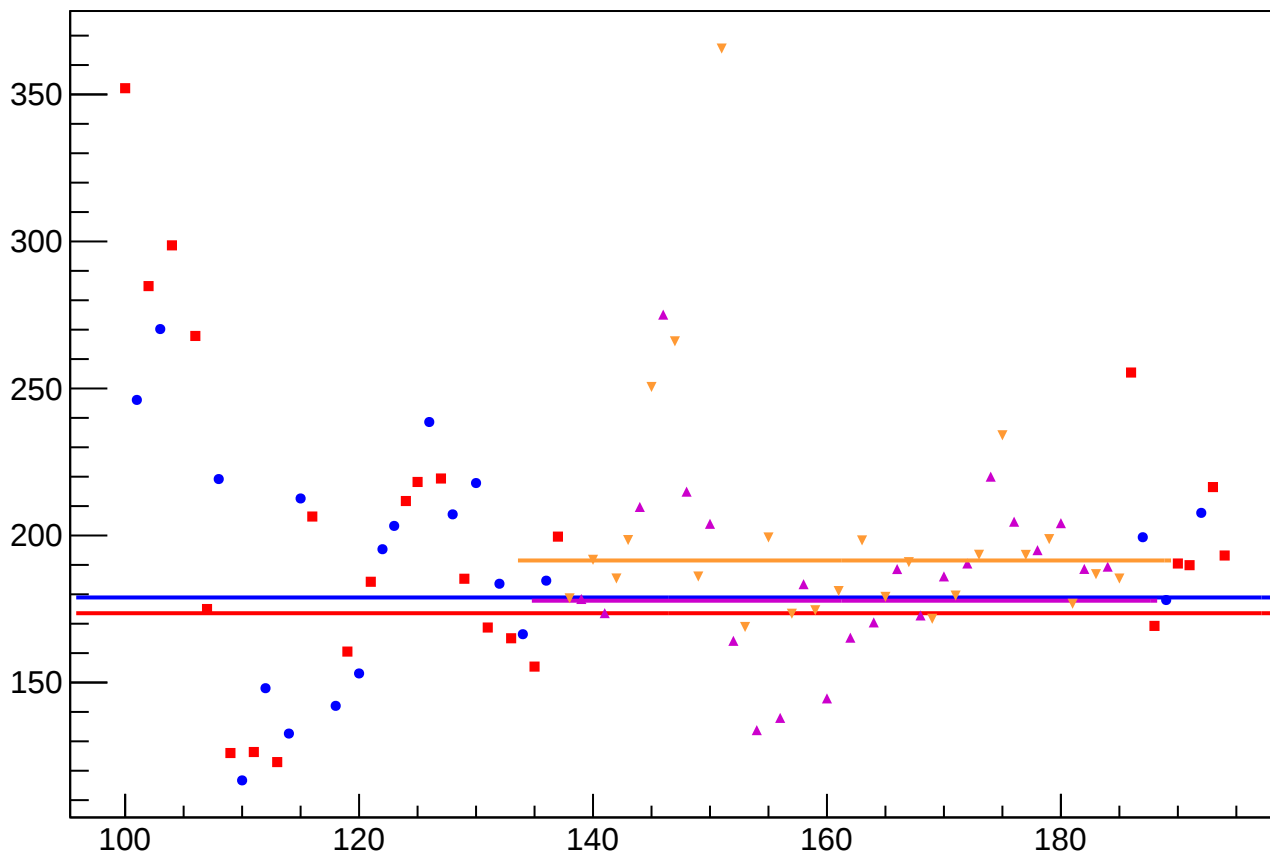
Left In: 12242.226+/-43.944 χ^2/NDF : 16615.8/22

+ sign -3840.939+/-37.245 χ^2/NDF : 138445.9/44

All: 718.591+/-25.307 χ^2/NDF : 357040.9/92

- sign 4629.234+/-34.493 χ^2/NDF : 190754.8/47

asym_bpm0i02aWS_rms vs Slug



Right In: 178.926 $\pm$ 0.046 χ^2 /NDF: 730087.3/19

Left Out: 191.507 $\pm$ 0.032 χ^2 /NDF: 727251.6/24

Right Out: 173.567 $\pm$ 0.039 χ^2 /NDF: 1112478.4/24

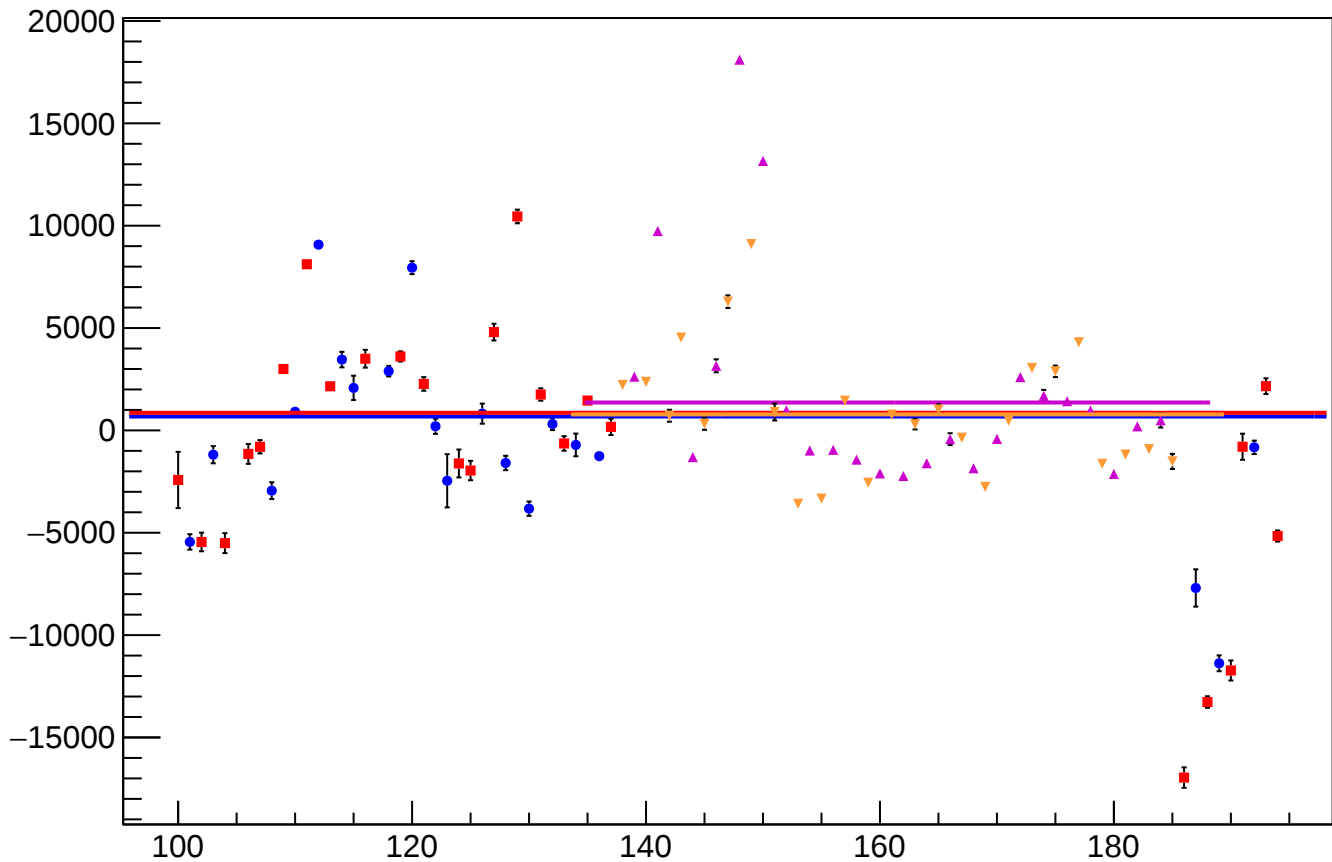
Left In: 177.821 $\pm$ 0.031 χ^2 /NDF: 862494.4/22

+ sign 187.343 $\pm$ 0.026 χ^2 /NDF: 1507869.3/44

All: 181.338 $\pm$ 0.018 χ^2 /NDF: 3586606.0/92

- sign 176.188 $\pm$ 0.024 χ^2 /NDF: 1982168.1/47

asym_bpm0i05WS_mean vs Slug



Right In: 678.890 ± 73.629 χ^2/NDF : 3787.8/19

Left Out: 779.983 ± 47.457 χ^2/NDF : 4260.8/24

Right Out: 861.291 ± 63.529 χ^2/NDF : 8194.2/24

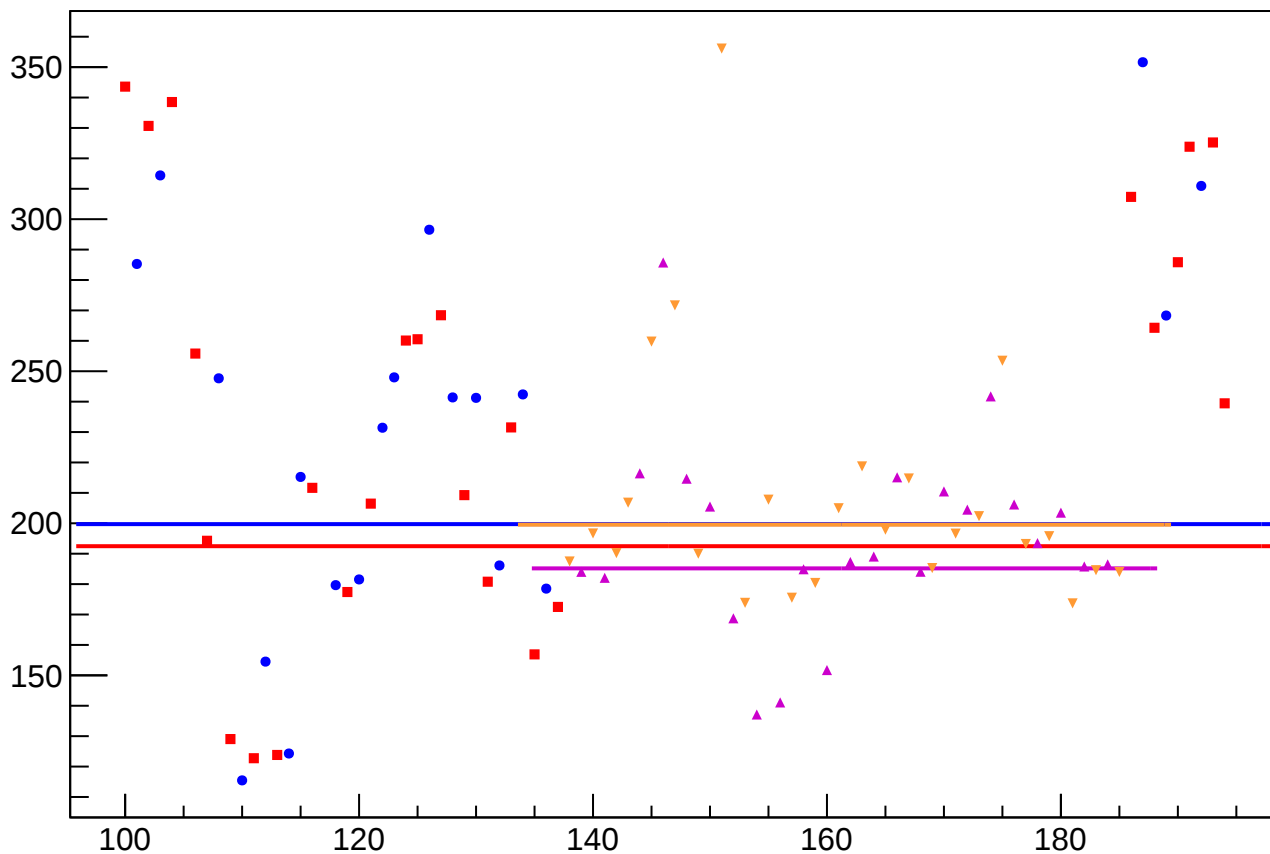
Left In: 1363.043 ± 45.807 χ^2/NDF : 11632.9/22

+ sign 750.311 ± 39.889 χ^2/NDF : 8049.9/44

All: 986.496 ± 27.188 χ^2/NDF : 27983.5/92

- sign 1191.415 ± 37.155 χ^2/NDF : 19868.1/47

asym_bpm0i05WS_rms vs Slug



Right In: 199.724 ± 0.052 $\chi^2/\text{NDF}: 1360276.6/19$

Left Out: 199.547 ± 0.034 $\chi^2/\text{NDF}: 729356.3/24$

Right Out: 192.468 ± 0.045 $\chi^2/\text{NDF}: 2112538.3/24$

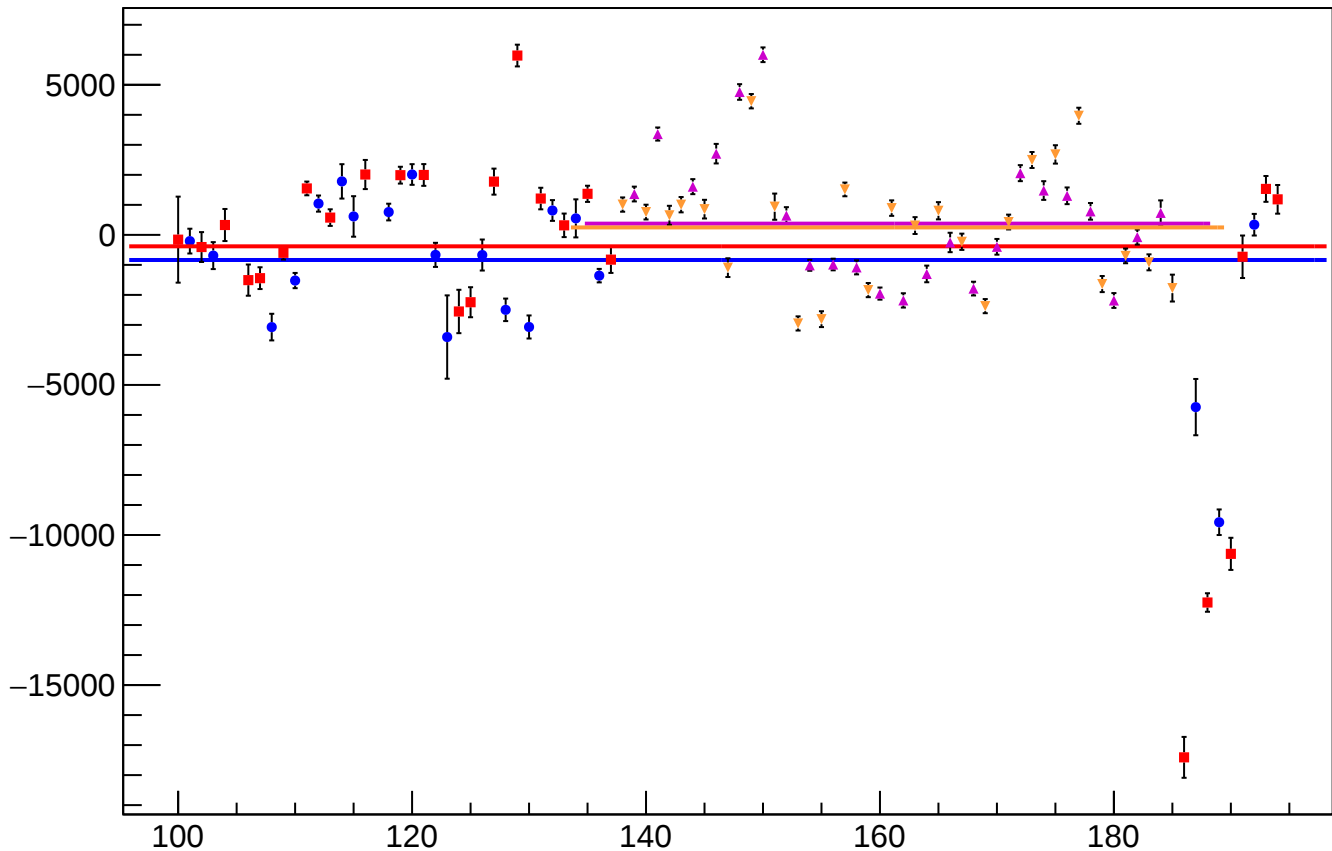
Left In: 185.171 ± 0.032 $\chi^2/\text{NDF}: 882752.2/22$

+ sign 199.599 ± 0.028 $\chi^2/\text{NDF}: 2089641.1/44$

All: 193.210 ± 0.019 $\chi^2/\text{NDF}: 5198117.1/92$

- sign 187.667 ± 0.026 $\chi^2/\text{NDF}: 3012652.6/47$

asym_bpm0i07WS_mean vs Slug



Right In: -836.936 ± 84.156 χ^2/NDF : 759.4/19

Left Out: 247.844 ± 53.555 χ^2/NDF : 1355.1/24

Right Out: -381.561 ± 75.417 χ^2/NDF : 3161.8/24

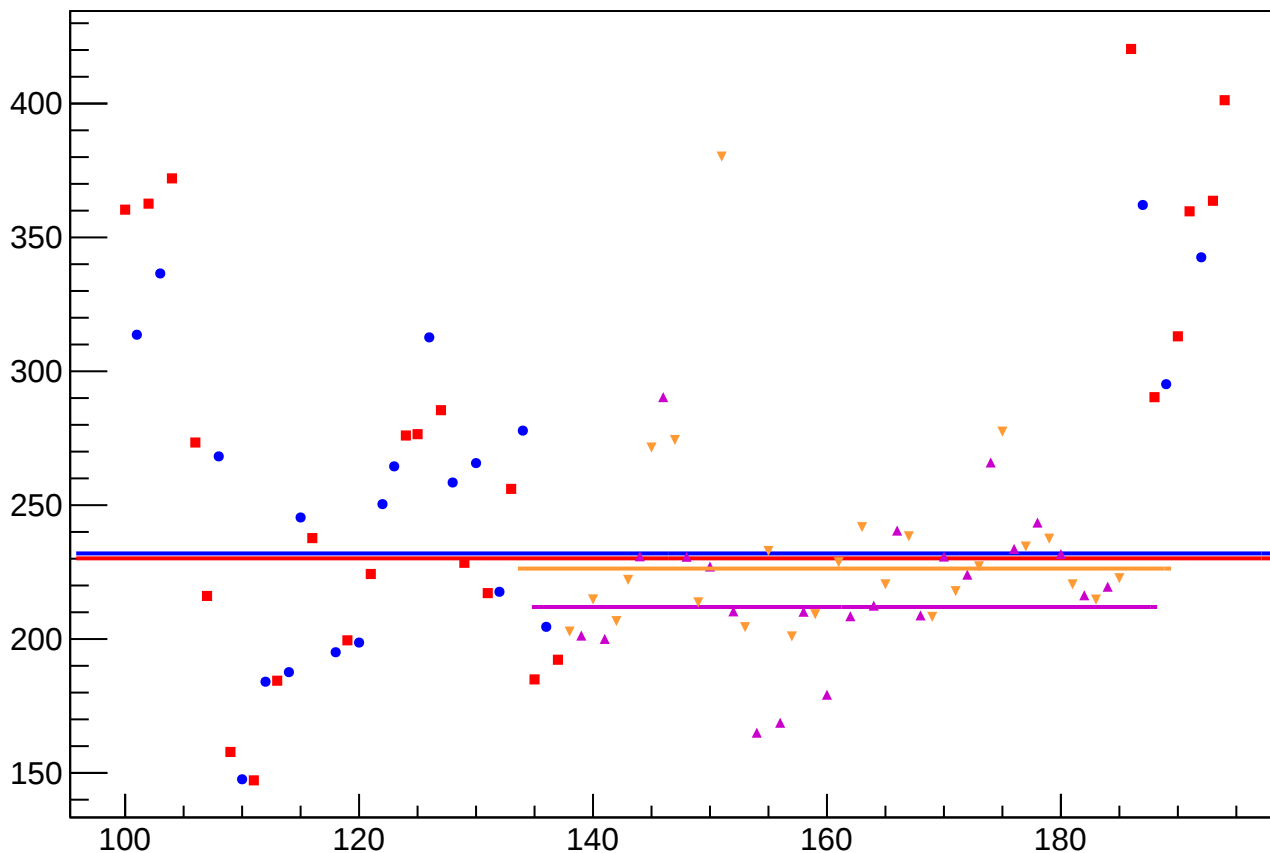
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -64.838 ± 45.182 χ^2/NDF : 2232.8/44

All: 37.931 ± 31.086 χ^2/NDF : 7273.4/92

- sign 130.313 ± 42.838 χ^2/NDF : 5030.8/47

asym_bpm0i07WS_rms vs Slug



Right In: 231.969 $\pm$ 0.060 χ^2 /NDF: 945257.7/19

Left Out: 226.322 $\pm$ 0.038 χ^2 /NDF:521041.8/24

Right Out: 230.133 $\pm$ 0.053 χ^2 /NDF: 1802582.1/24

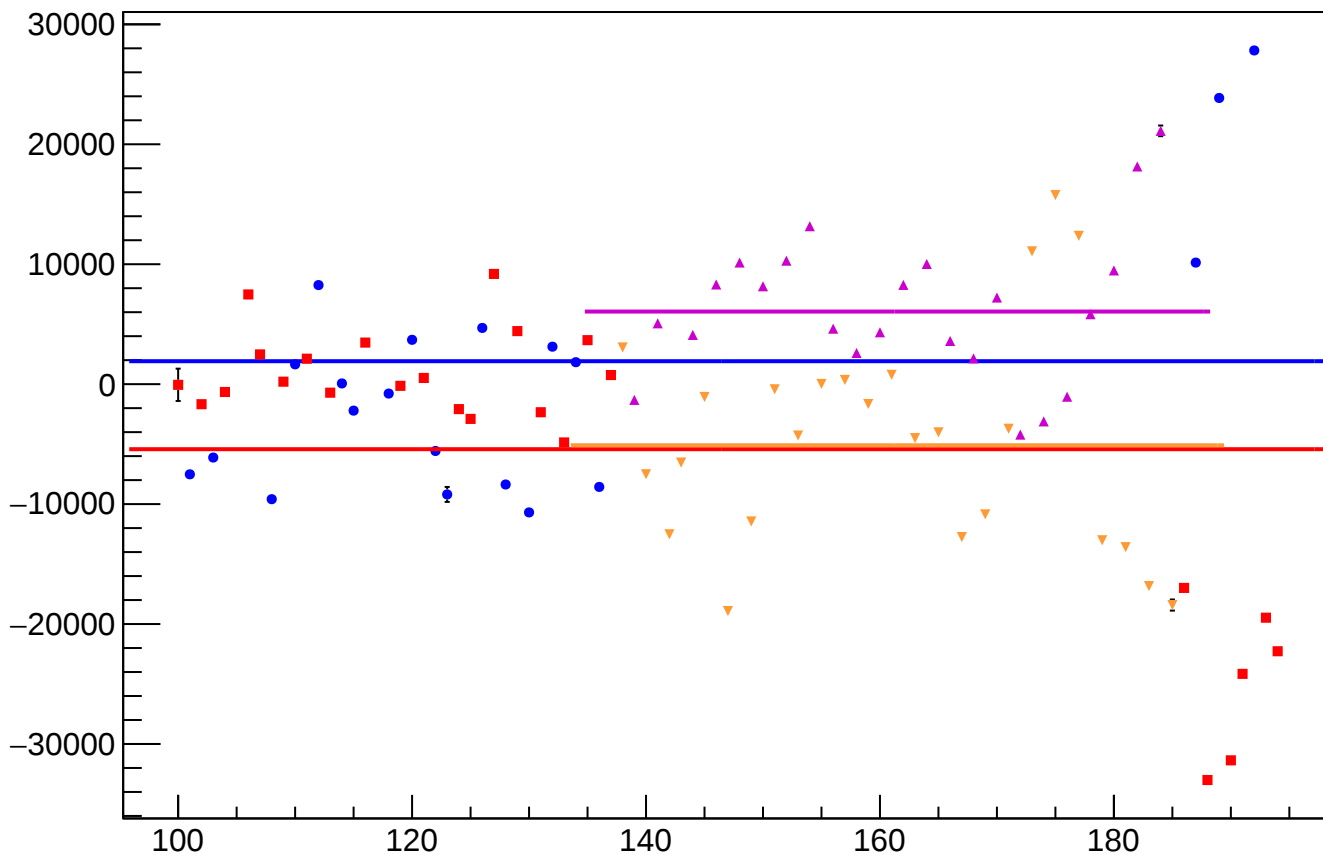
Left In: 211.970 $\pm$ 0.037 χ^2 /NDF:584344.5/22

+ sign 227.950 $\pm$ 0.032 χ^2 /NDF: 1472710.3/44

All: 222.621 $\pm$ 0.022 χ^2 /NDF: 3991046.6/92

- sign 217.830 $\pm$ 0.030 χ^2 /NDF: 2465502.6/47

asym_bpm1i02WS_mean vs Slug



Right In: 1914.132 ± 43.764 χ^2/NDF : 66286.8/19

Left Out: -5095.305 ± 33.703 χ^2/NDF : 54395.4/24

Right Out: -5422.293 ± 38.826 χ^2/NDF : 99652.5/24

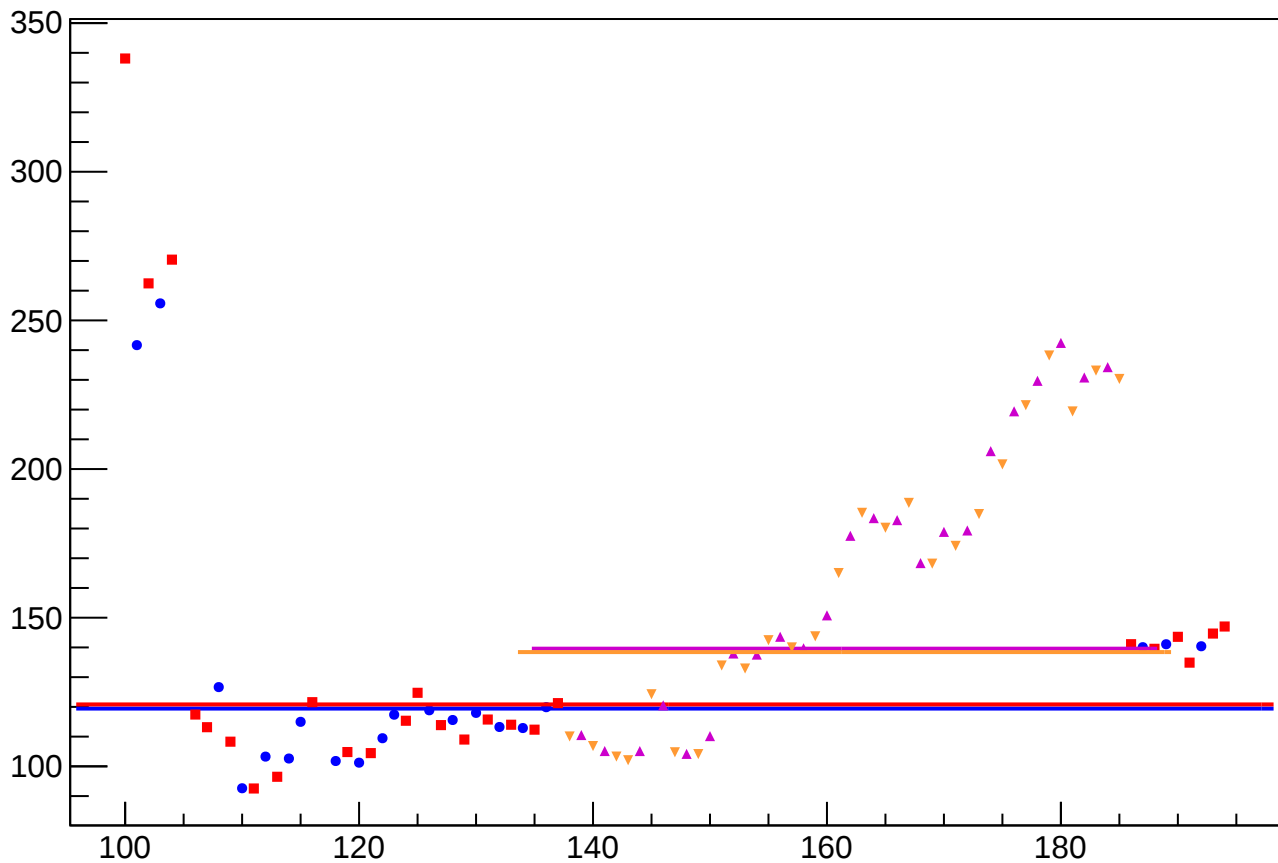
Left In: 6053.569 ± 34.998 χ^2/NDF : 17590.3/22

+ sign -2485.785 ± 26.703 χ^2/NDF : 136784.7/44

All: -742.816 ± 18.627 χ^2/NDF : 310525.4/92

- sign 909.065 ± 25.996 χ^2/NDF : 165442.1/47

asym_bpm1i02WS_rms vs Slug



Right In: 119.434+/-0.031 χ^2/NDF : 824616.6/19

Left Out: 138.436+/-0.024 χ^2/NDF : 2549435.8/24

Right Out: 120.827+/-0.027 χ^2/NDF : 1013129.4/24

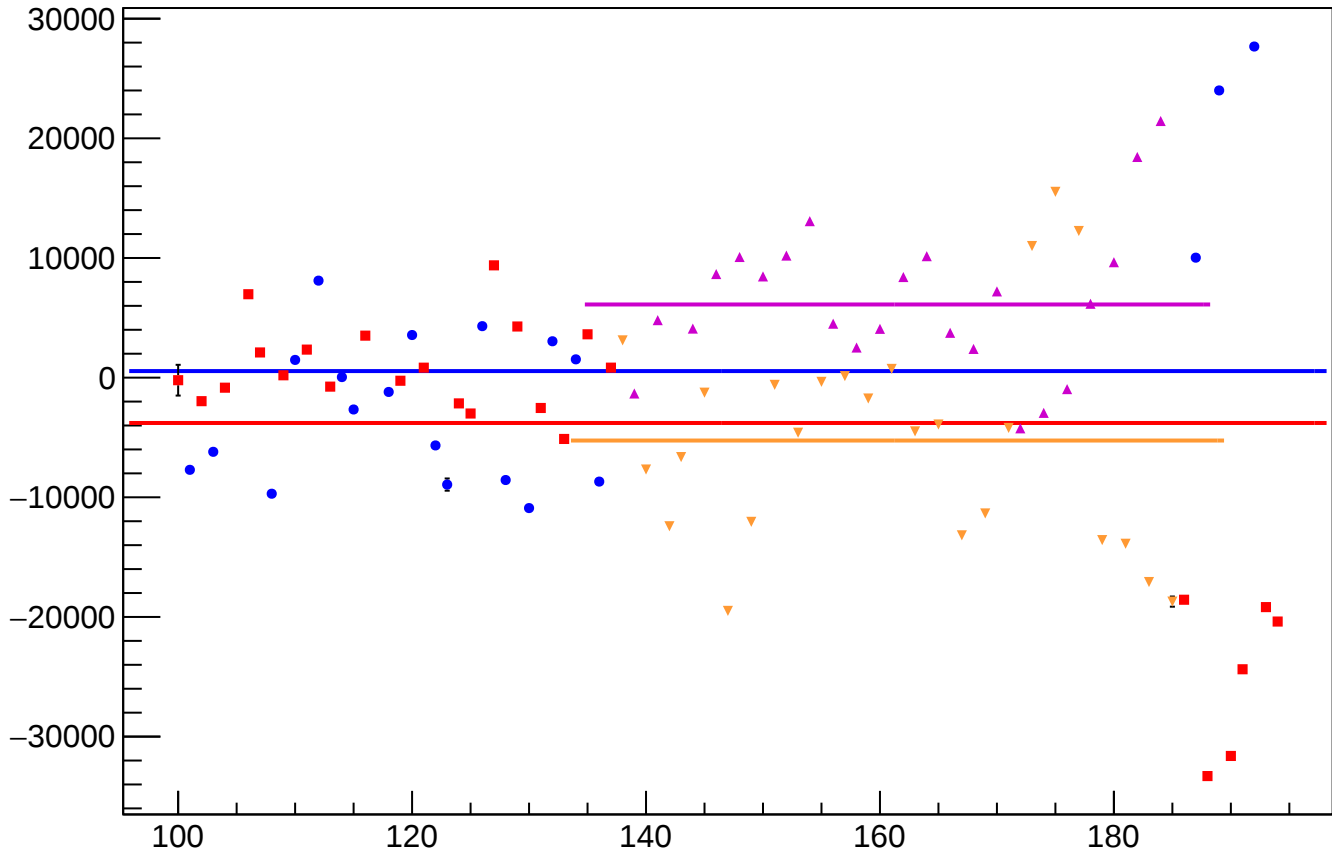
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 131.362+/-0.019 χ^2/NDF : 3610721.8/44

All: 131.264+/-0.013 χ^2/NDF : 7294913.6/92

- sign 131.172+/-0.018 χ^2/NDF : 3684140.0/47

asym_bpm1i04WS_mean vs Slug



Right In: 548.742 ± 37.915 $\chi^2/\text{NDF}: 70775.0/19$

Left Out: -5255.652 ± 30.622 $\chi^2/\text{NDF}: 64324.6/24$

Right Out: -3789.204 ± 34.196 $\chi^2/\text{NDF}: 106967.7/24$

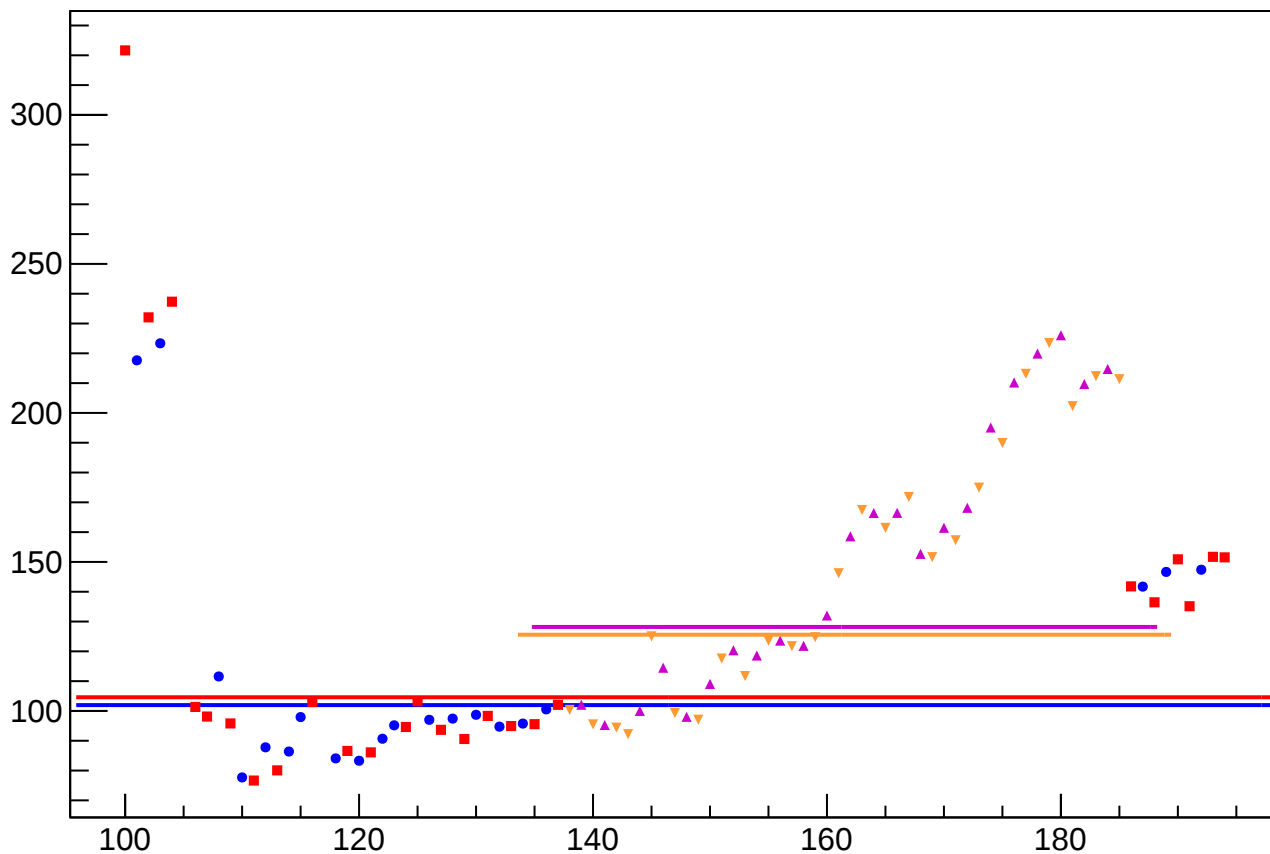
Left In: 6114.901 ± 32.126 $\chi^2/\text{NDF}: 21260.9/22$

+ sign -2964.203 ± 23.823 $\chi^2/\text{NDF}: 149283.7/44$

All: -707.864 ± 16.699 $\chi^2/\text{NDF}: 339706.8/92$

- sign 1471.721 ± 23.414 $\chi^2/\text{NDF}: 172786.8/47$

asym_bpm1i04WS_rms vs Slug



Right In: 101.959+/-0.027 χ^2/NDF : 1131725.2/19

Left Out: 125.577+/-0.022 χ^2/NDF : 2595752.6/24

Right Out: 104.594+/-0.024 χ^2/NDF : 1522713.1/24

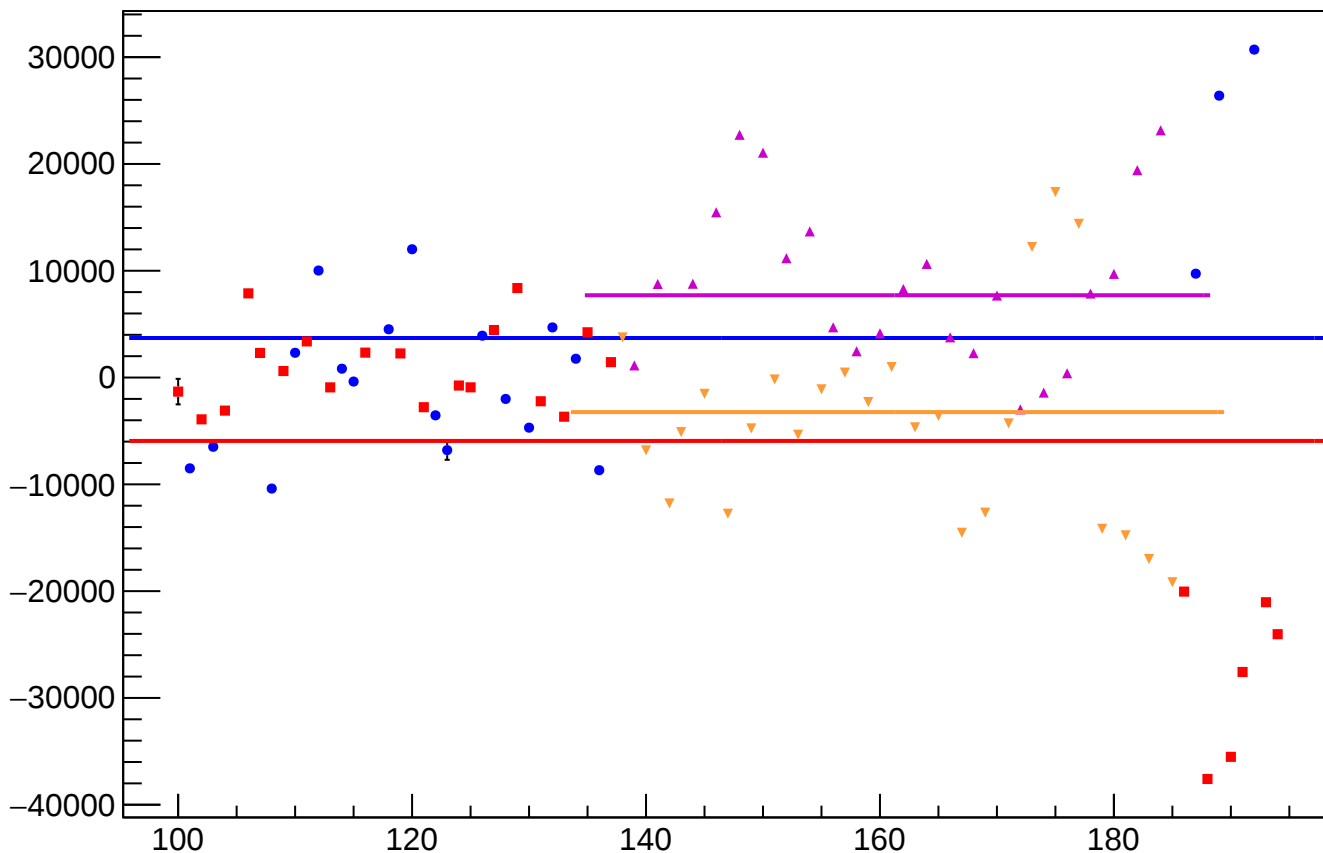
Left In: 128.184+/-0.023 χ^2/NDF : 2332977.5/22

+ sign 116.253+/-0.017 χ^2/NDF : 4197162.5/44

All: 116.697+/-0.012 χ^2/NDF : 8559757.5/92

- sign 117.125+/-0.017 χ^2/NDF : 4361234.3/47

asym_bpm1i06WS_mean vs Slug



Right In: 3702.733+/-50.846 χ^2/NDF : 52333.2/19

Left Out: -3234.922+/-40.583 χ^2/NDF : 36739.9/24

Right Out: -5935.960+/-45.462 χ^2/NDF : 88768.5/24

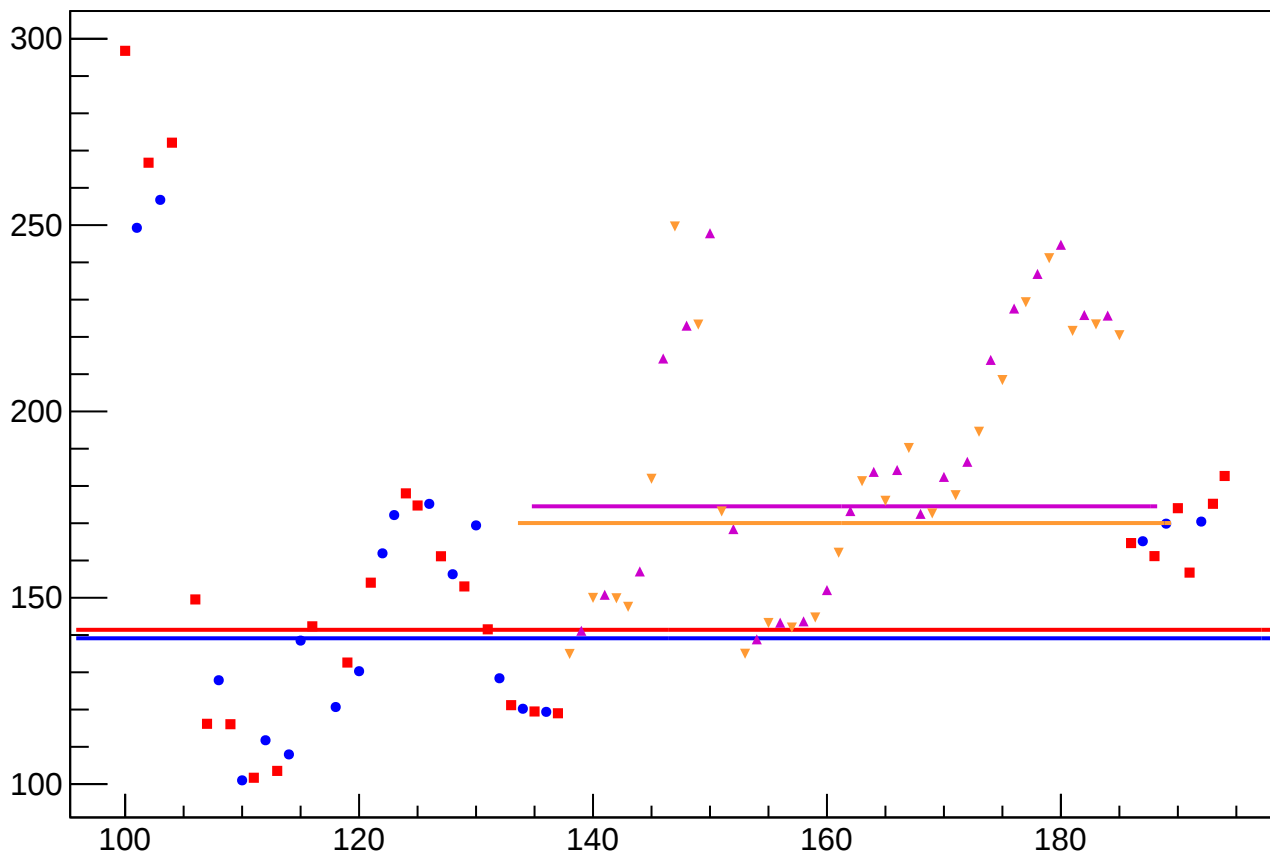
Left In: 7707.068+/-42.990 χ^2/NDF : 21268.3/22

+ sign -535.170+/-31.718 χ^2/NDF : 100445.6/44

All: 379.525+/-22.256 χ^2/NDF : 259664.5/92

- sign 1266.614+/-31.236 χ^2/NDF : 157580.7/47

asym_bpm1i06WS_rms vs Slug



Right In: 139.127 $\pm$ 0.036 χ^2 /NDF: 902325.3/19

Left Out: 170.050 $\pm$ 0.029 χ^2 /NDF:1240866.9/24

Right Out: 141.401 $\pm$ 0.032 χ^2 /NDF: 1138776.4/24

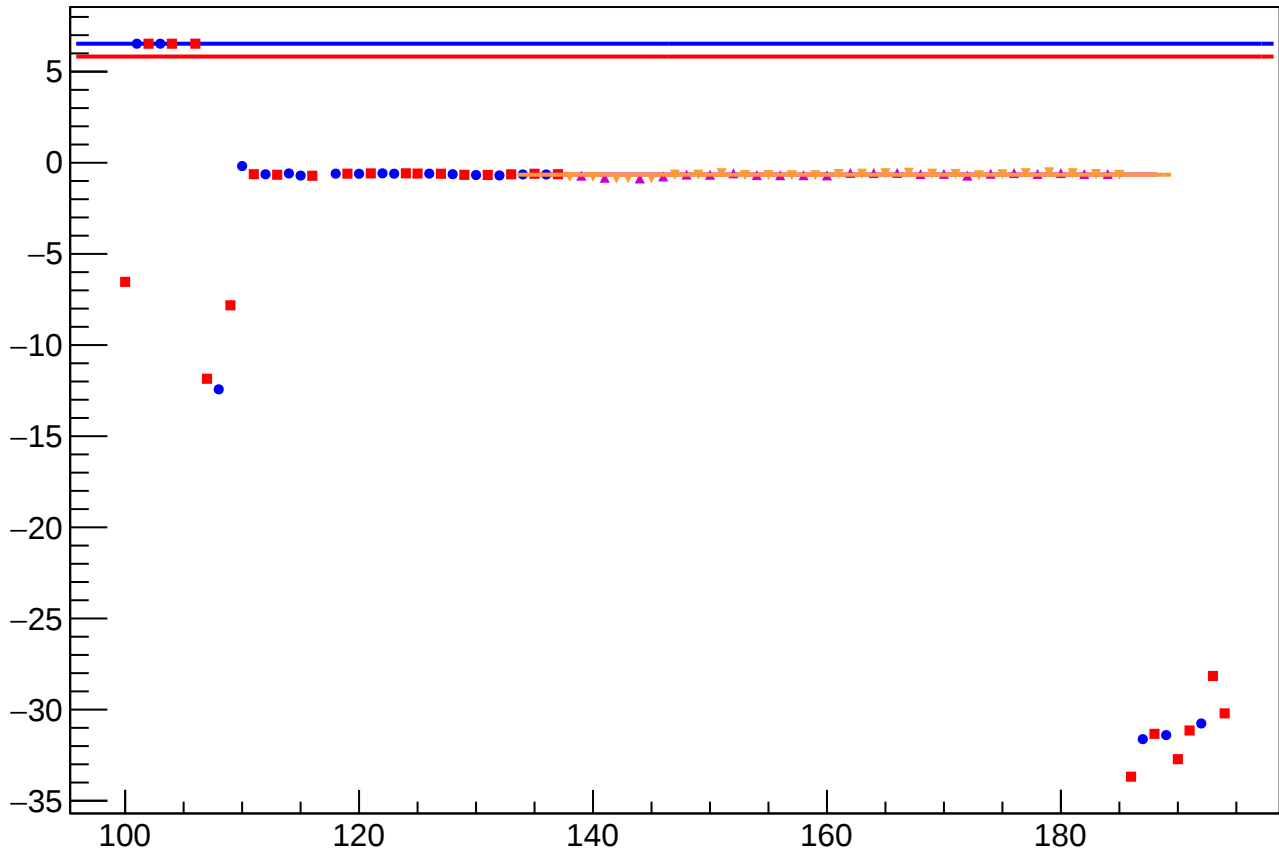
Left In: 174.539 $\pm$ 0.030 χ^2 /NDF:1210071.2/22

+ sign 158.016 $\pm$ 0.022 χ^2 /NDF: 2595065.1/44

All: 158.463 $\pm$ 0.016 χ^2 /NDF: 5505684.3/92

- sign 158.896 $\pm$ 0.022 χ^2 /NDF: 2909838.5/47

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127691620960.8/19

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179109810.4/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755947603663410.5/24

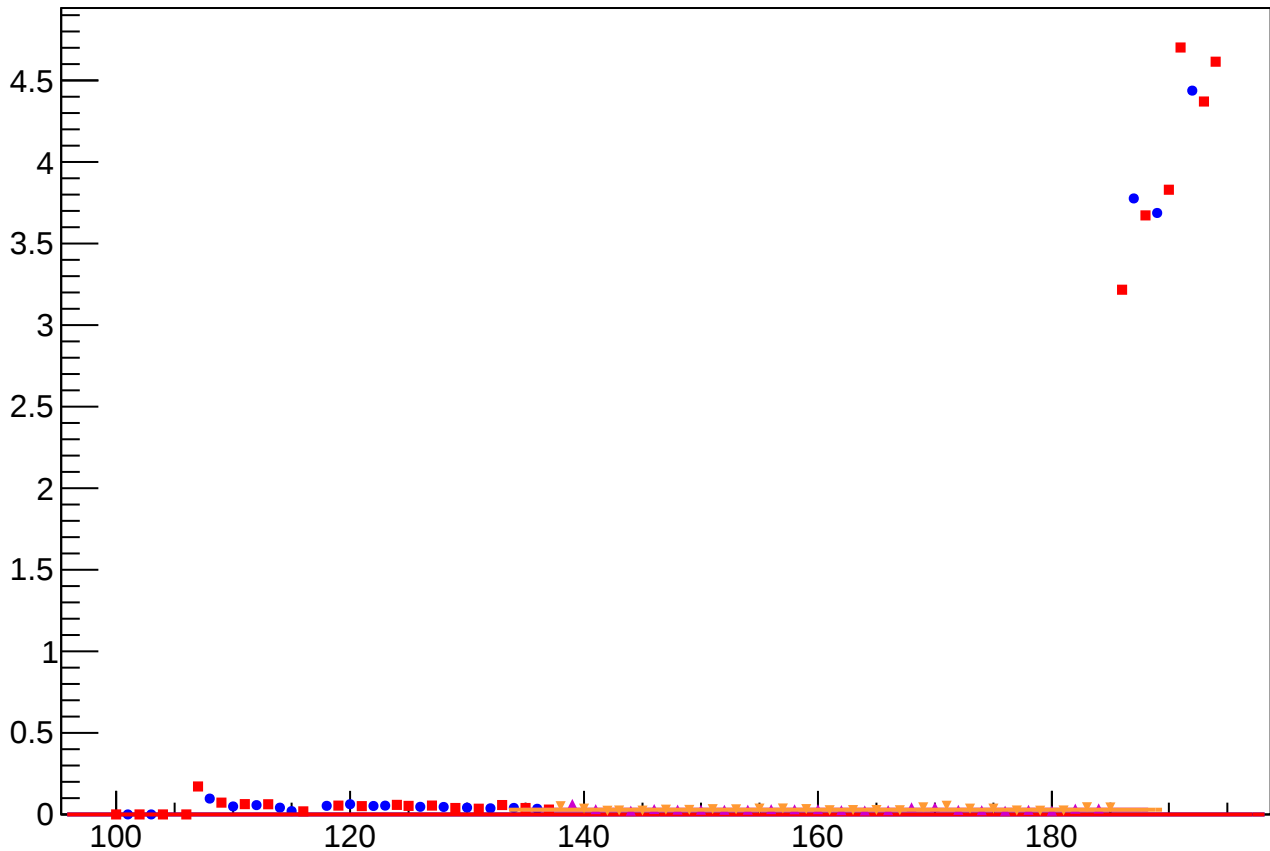
Left In: -0.644 $\pm$ 0.000 χ^2 /NDF: 122913584.0/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 999080917926.8/44

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77760183498776

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756618948275962.8/

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 12008629.2/19

Left Out: 0.029+/-0.000 χ^2/NDF :1487017.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 16041169.0/24

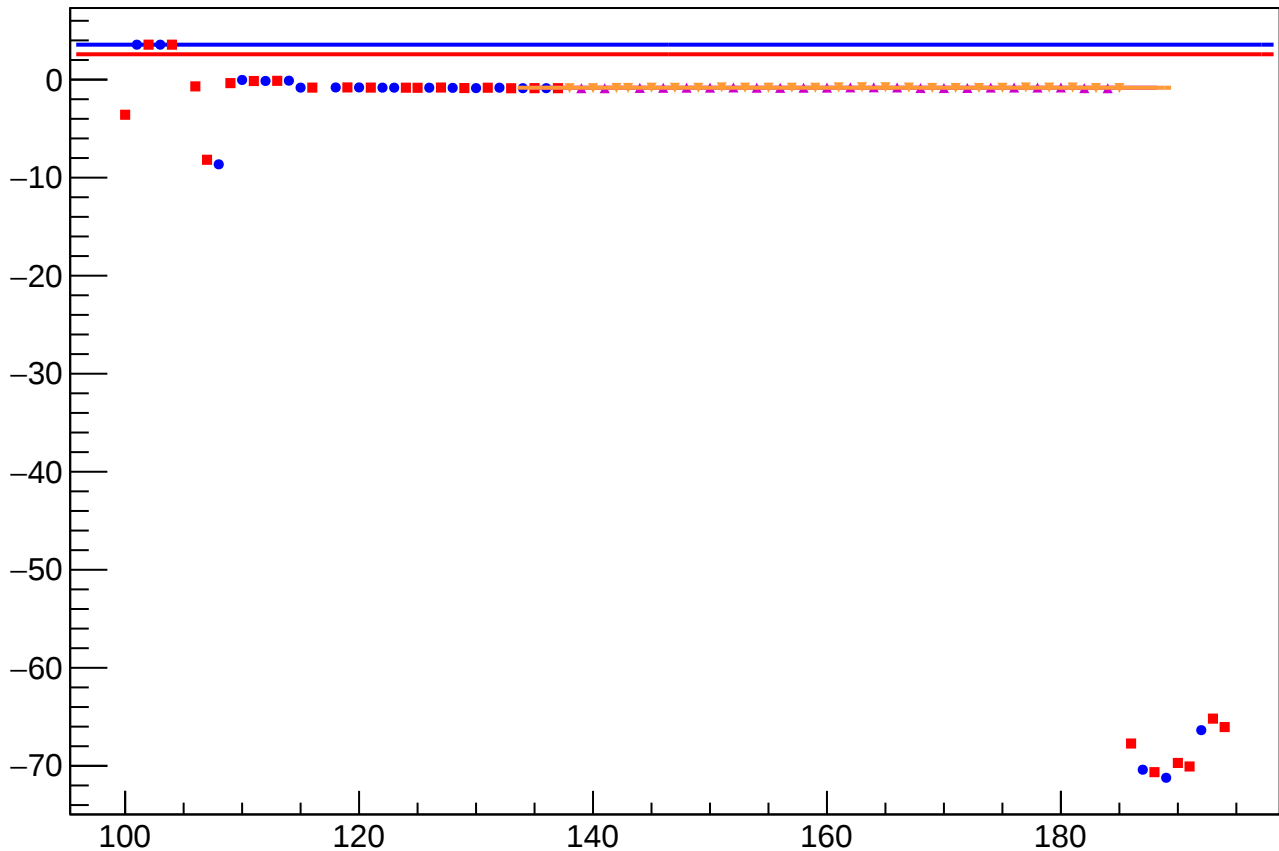
Left In: 0.029+/-0.000 χ^2/NDF :1164030.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 41880039.1/44

All: 0.000+/-0.000 χ^2/NDF : 85887593.1/92

- sign 0.000+/-0.000 χ^2/NDF : 44006871.4/47

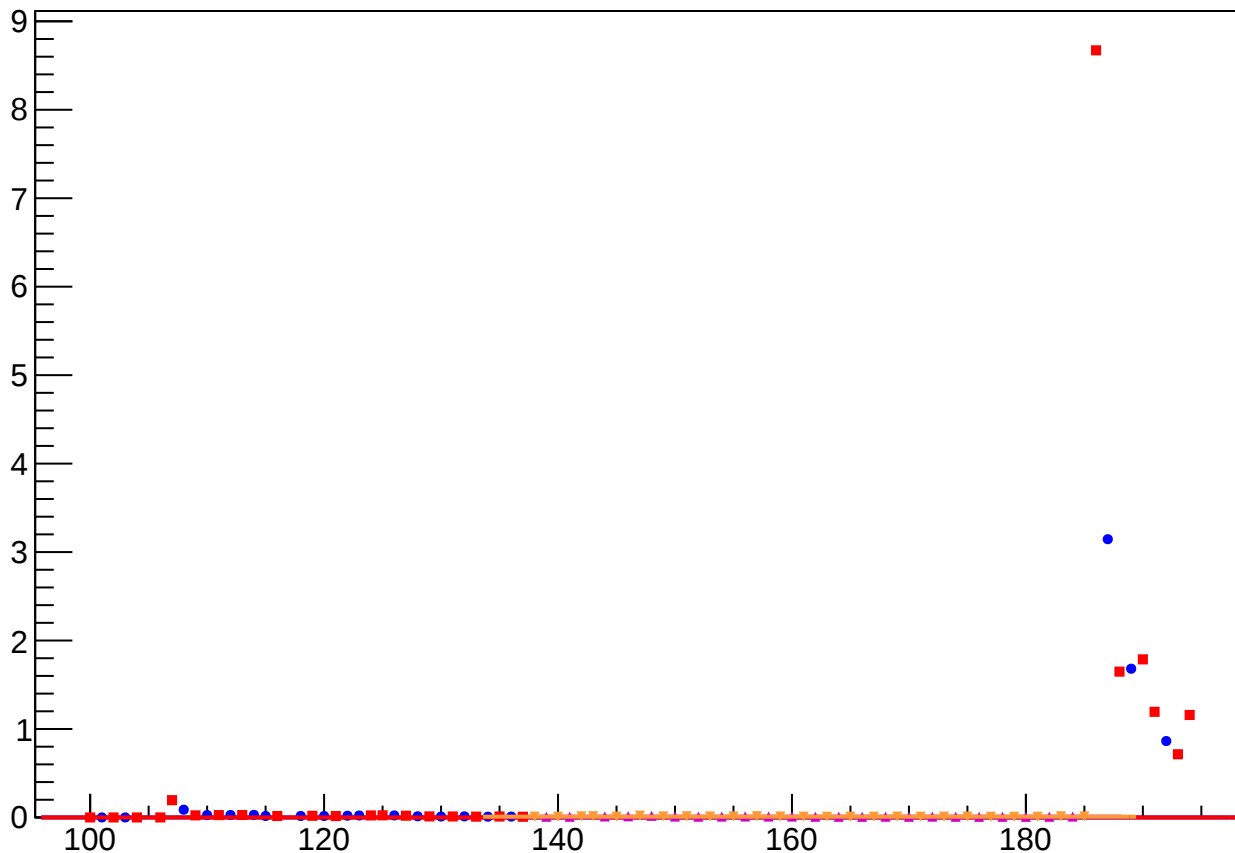
yield_cav4bY_mean vs Slug



Right In: 3.563 ± 0.000 $\chi^2/\text{NDF}: 490257120877.1/19$
 Left Out: -0.828 ± 0.000 $\chi^2/\text{NDF}: 168178464.8/24$
 Right Out: 2.583 ± 0.000 $\chi^2/\text{NDF}: 1253515296212974.8/24$
 Left In: -0.827 ± 0.000 $\chi^2/\text{NDF}: 172640246.1/22$

+ sign 3.560 ± 0.000 $\chi^2/\text{NDF}: 4172414046088.6/44$
 All: 3.038 ± 0.000 $\chi^2/\text{NDF}: 13879632799169$
 - sign 2.581 ± 0.000 $\chi^2/\text{NDF}: 1255715348998696.8$

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 12271644.6/19

Left Out: 0.009+/-0.000 χ^2/NDF :1454710.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 15699991.1/24

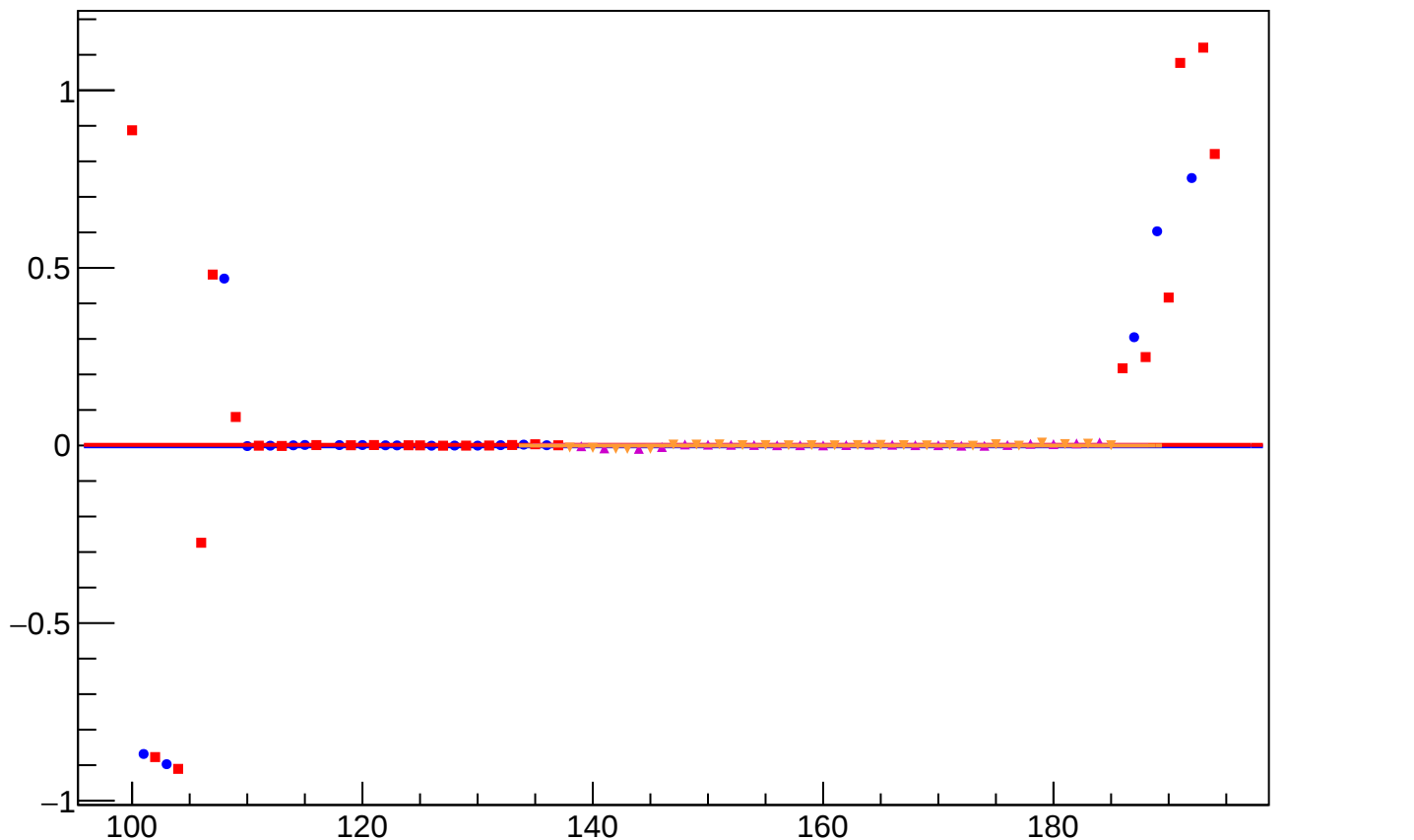
Left In: 0.009+/-0.000 χ^2/NDF :1041524.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 43680505.3/44

All: 0.000+/-0.000 χ^2/NDF : 88927175.8/92

- sign 0.000+/-0.000 χ^2/NDF : 45245550.5/47

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 $\chi^2/\text{NDF}: 9795746641.5/19$

Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 151482851.1/24$

Right Out: 0.002 ± 0.000 $\chi^2/\text{NDF}: 3042017777.9/24$

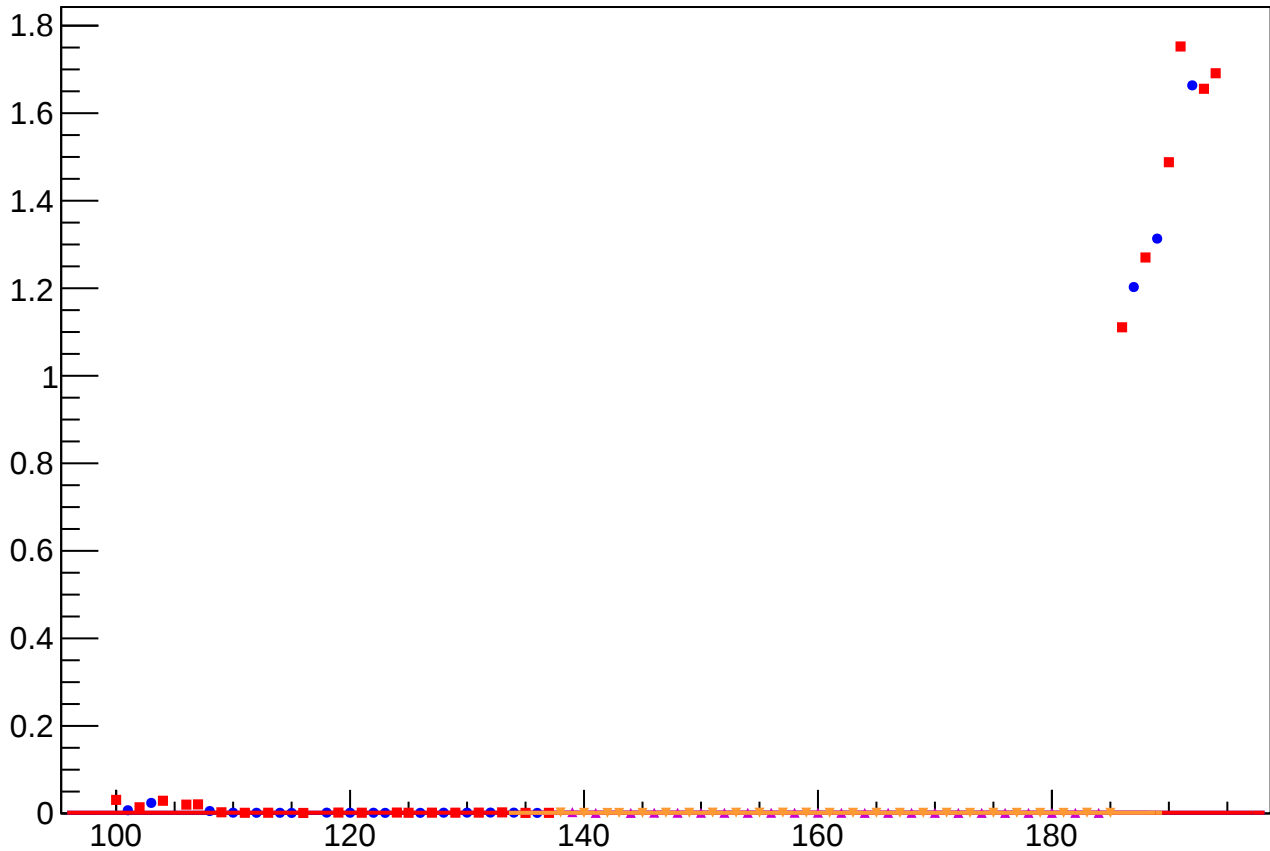
Left In: 0.001 ± 0.000 $\chi^2/\text{NDF}: 101439617.3/22$

+ sign -0.001 ± 0.000 $\chi^2/\text{NDF}: 9953766924.7/44$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 13106770865.4/9$

- sign 0.001 ± 0.000 $\chi^2/\text{NDF}: 3145422694.0/47$

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 4906072.5/19

Left Out: 0.001+/-0.000 χ^2/NDF : 539817.3/24

Right Out: 0.002+/-0.000 χ^2/NDF : 9697156.9/24

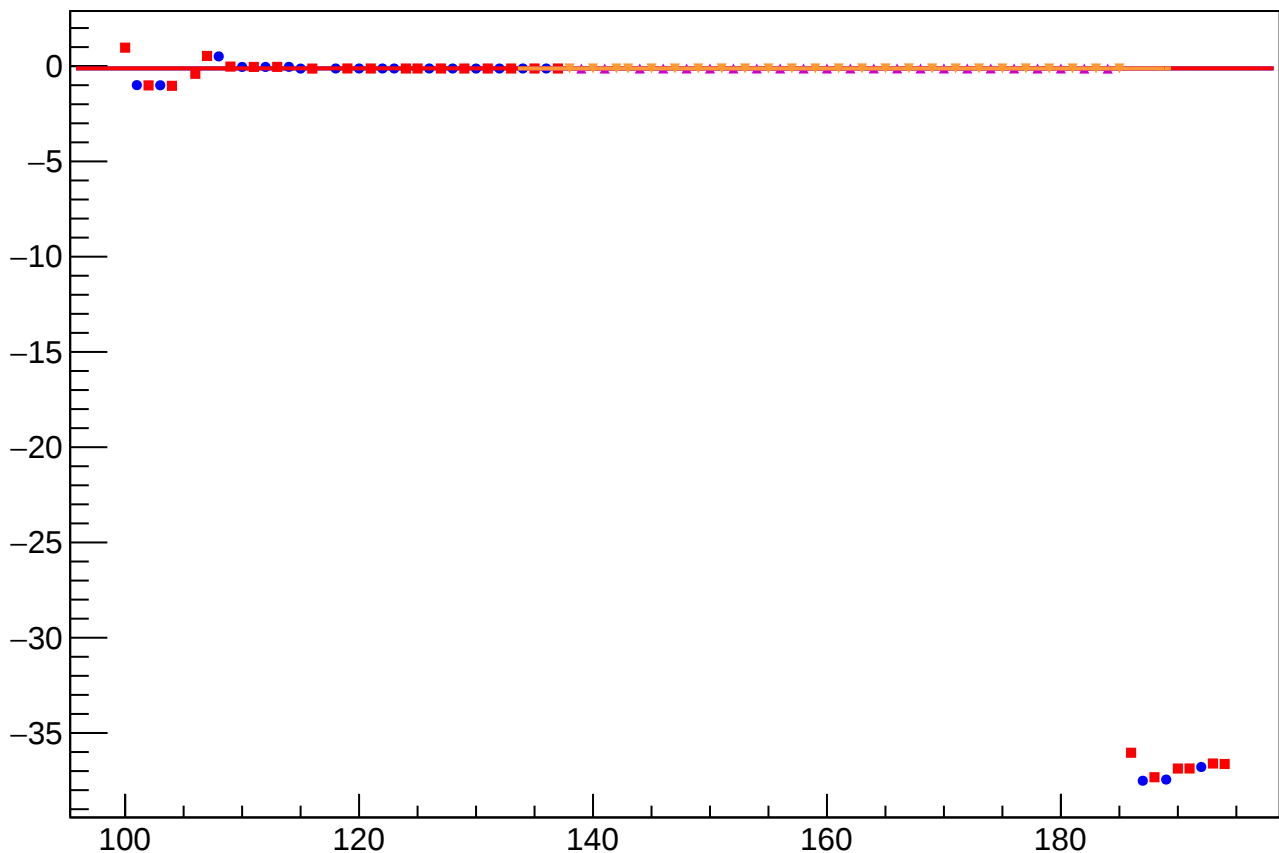
Left In: 0.001+/-0.000 χ^2/NDF : 626044.8/22

+ sign 0.002+/-0.000 χ^2/NDF : 5516593.8/44

All: 0.002+/-0.000 χ^2/NDF : 15957496.7/92

- sign 0.002+/-0.000 χ^2/NDF : 10431918.1/47

yield_cav4cY_mean vs Slug



Right In: -0.121+/-0.000 χ^2/NDF : 15362188217.5/19

Left Out: -0.121+/-0.000 χ^2/NDF : 58120109.3/24

Right Out: -0.116+/-0.000 χ^2/NDF : 27230799460.3/24

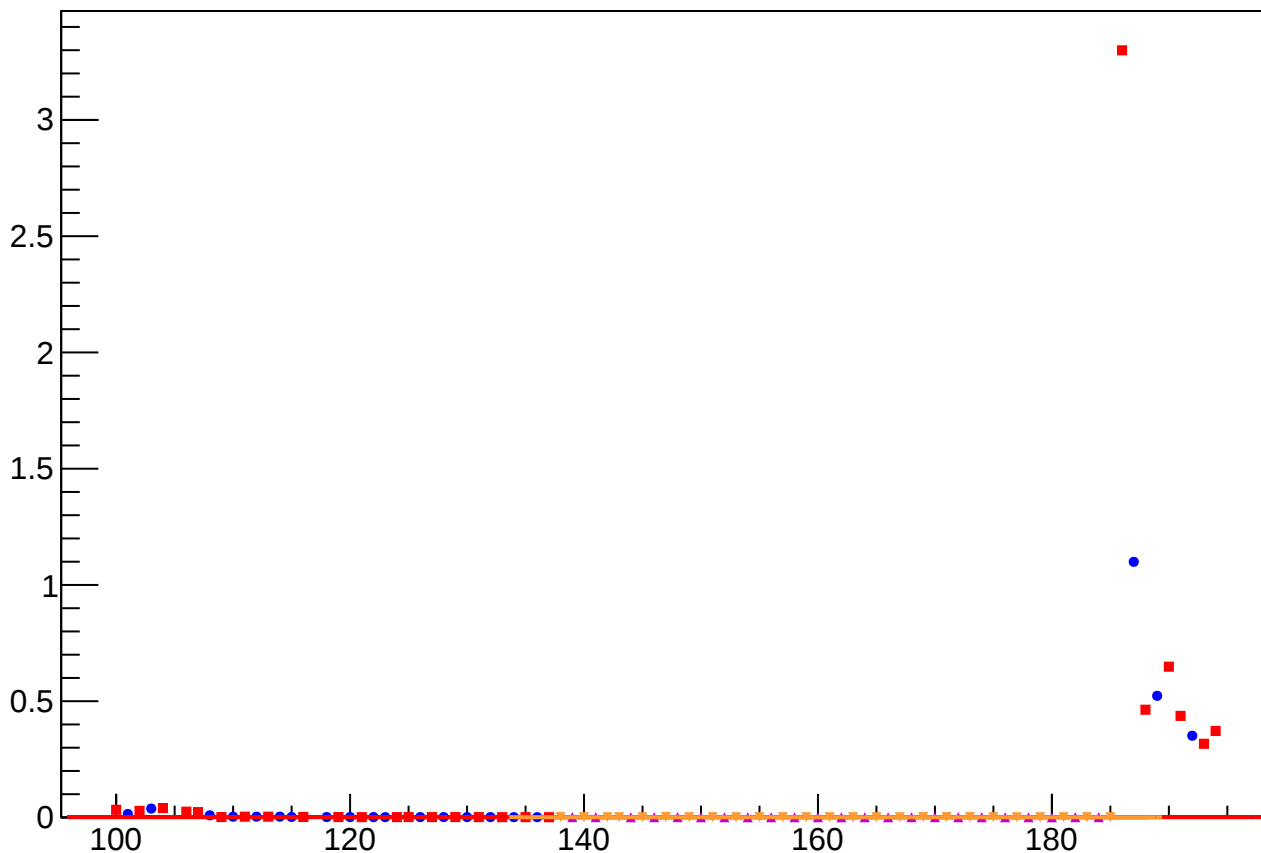
Left In: -0.121+/-0.000 χ^2/NDF : 52113932.9/22

+ sign -0.121+/-0.000 χ^2/NDF : 15420887493.0/44

All: -0.121+/-0.000 χ^2/NDF : 42752878182.1/47

- sign -0.120+/-0.000 χ^2/NDF : 27328067143.1/47

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 5695126.0/19

Left Out: 0.001+/-0.000 χ^2/NDF :1363316.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 9927513.5/24

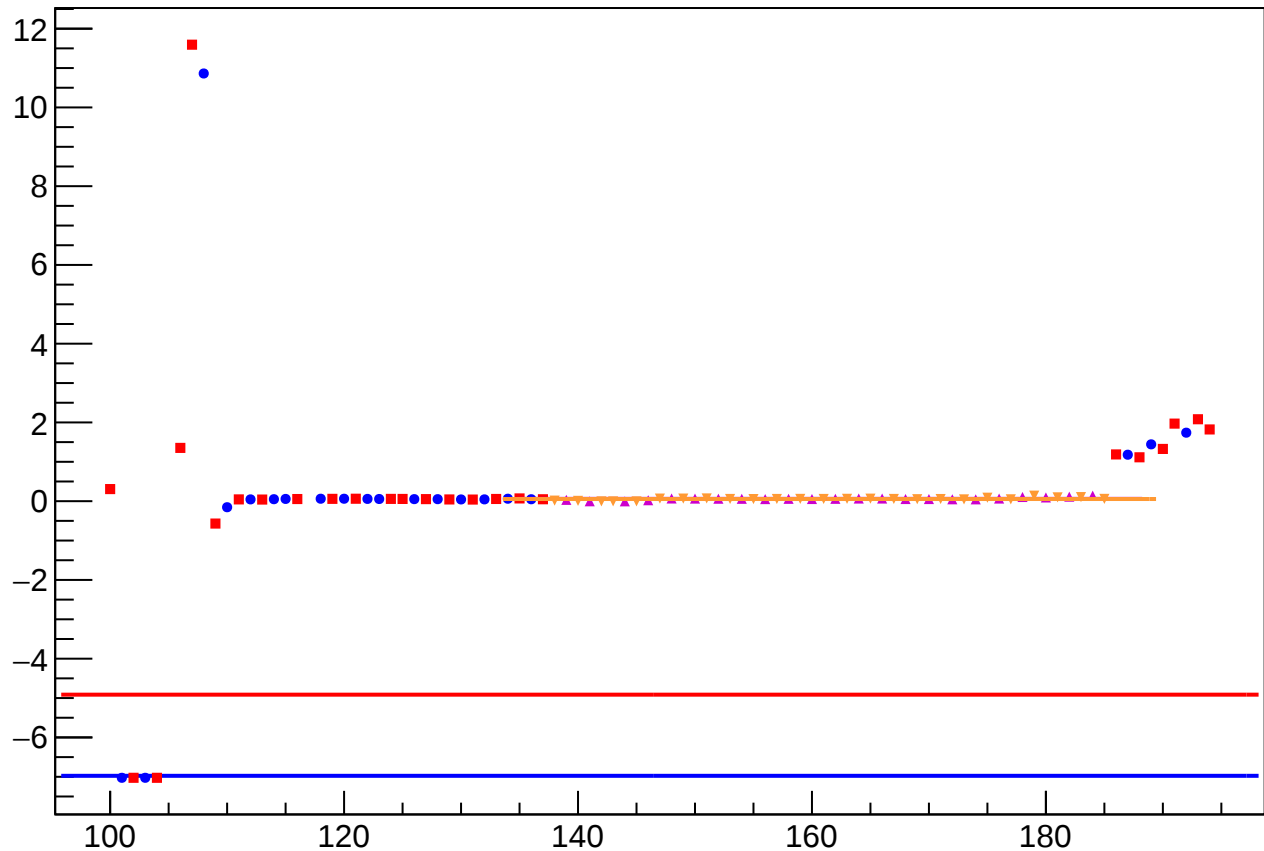
Left In: 0.001+/-0.000 χ^2/NDF :970801.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 8244569.8/44

All: 0.001+/-0.000 χ^2/NDF : 20264345.9/92

- sign 0.001+/-0.000 χ^2/NDF : 12017898.8/47

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8797420607899.0/19

Left Out: 0.055 ± 0.000 χ^2/NDF : 243682351.4/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365352738707885.4/24

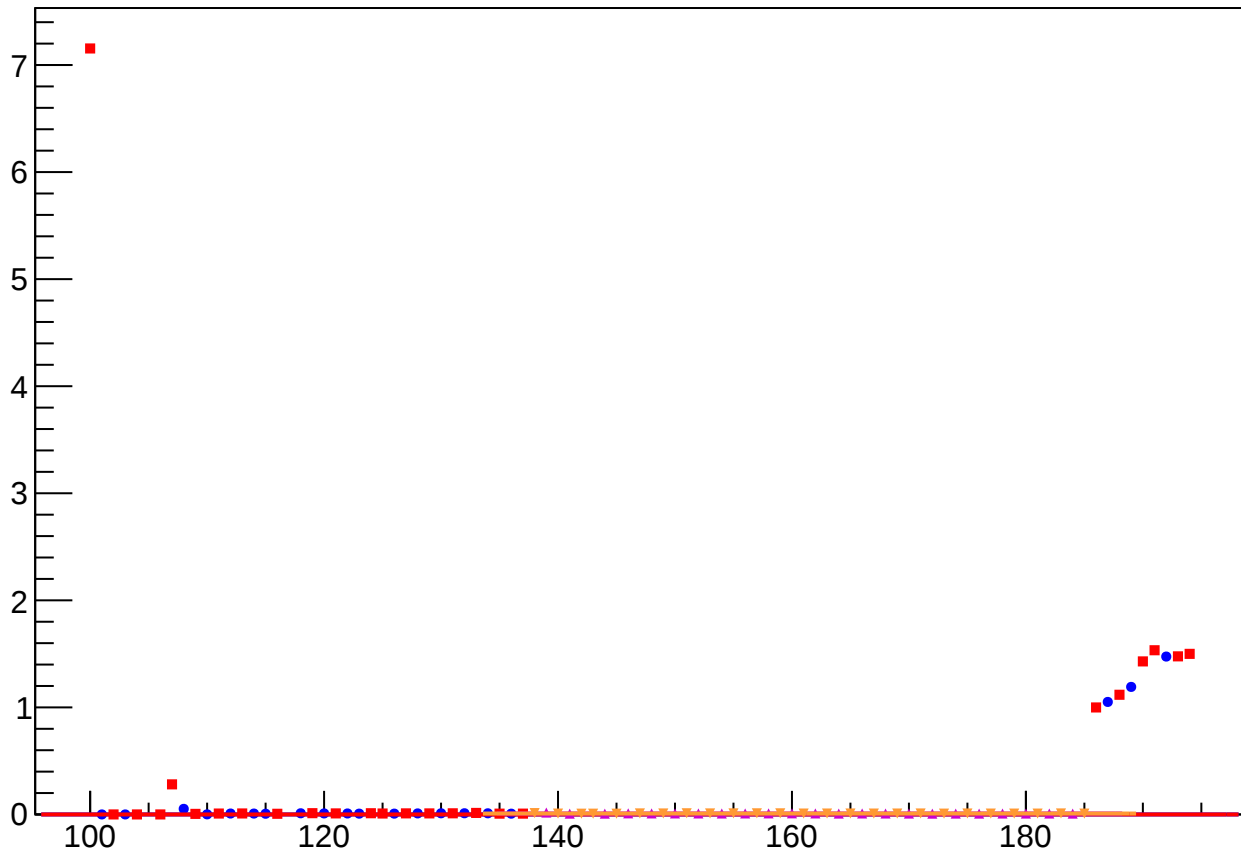
Left In: 0.059 ± 0.000 χ^2/NDF : 178541521.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18423735143403.2/19

All: -5.858 ± 0.000 χ^2/NDF : 4435287165931.4/24

- sign -4.882 ± 0.000 χ^2/NDF : 369731759306379.3/24

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 11341686.2/19

Left Out: 0.009+/-0.000 χ^2/NDF : 514432.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 15469399.9/24

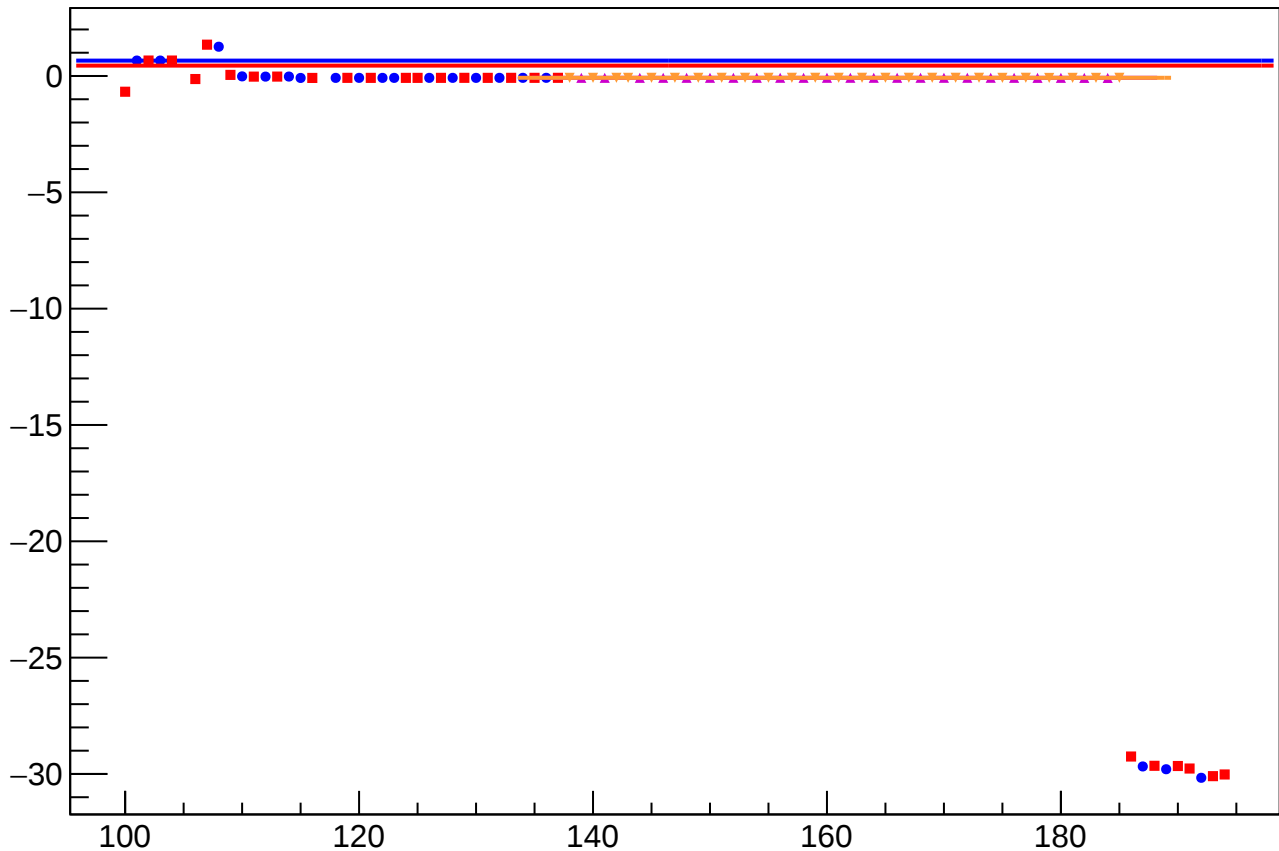
Left In: 0.009+/-0.000 χ^2/NDF : 602517.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 40244345.1/44

All: 0.000+/-0.000 χ^2/NDF : 83174935.8/92

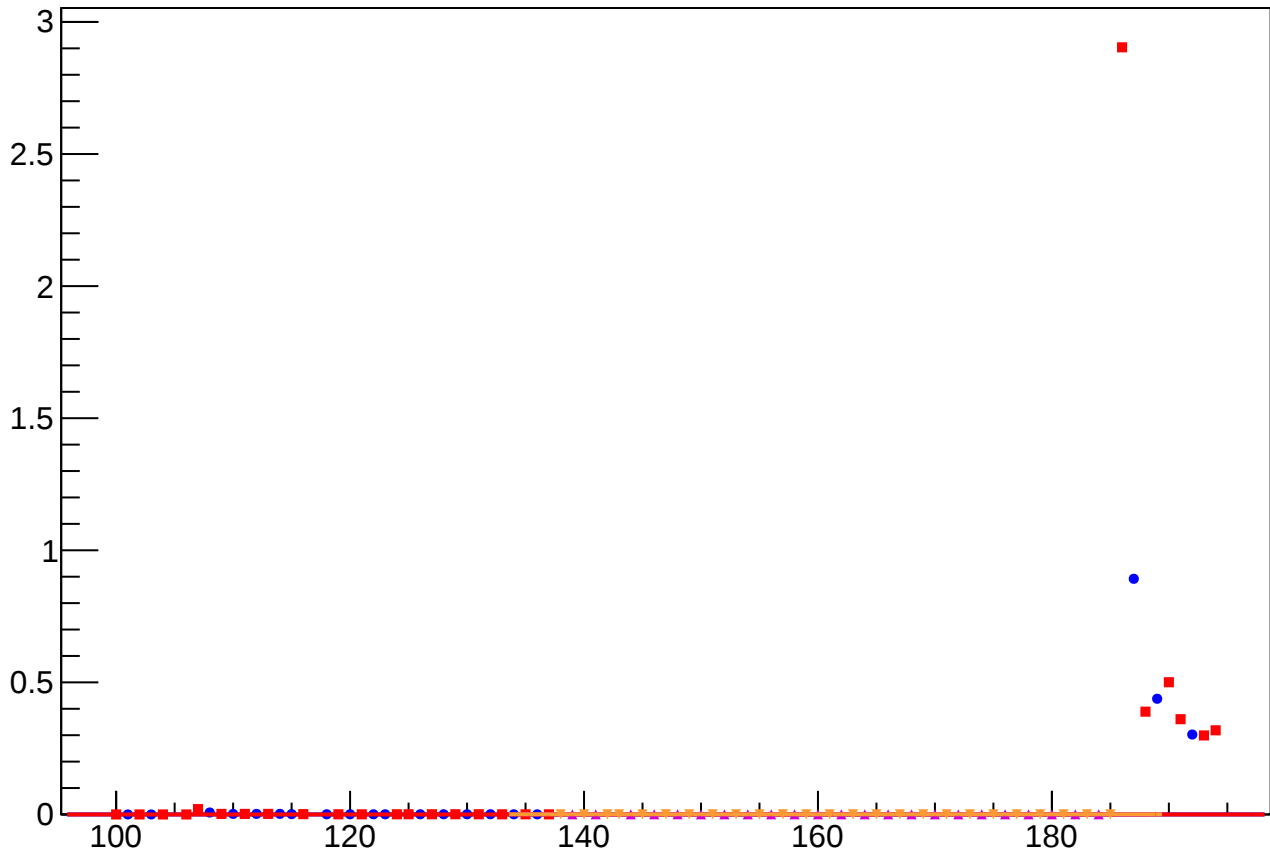
- sign 0.000+/-0.000 χ^2/NDF : 42925802.2/47

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000	χ^2/NDF : 5670140036068.3/19	+ sign 0.646+/-0.000	χ^2/NDF : 35768956140740.3/4
Left Out: -0.078+/-0.000	χ^2/NDF : 156404795.7/24	All: 0.537+/-0.000	χ^2/NDF : 51587916055270
Right Out: 0.446+/-0.000	χ^2/NDF : 405451206365016.3/24	- sign 0.437+/-0.000	χ^2/NDF : 419573251053208.6/
Left In: -0.077+/-0.000	χ^2/NDF : 110762924.1/22		

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 12893945.9/19

Left Out: 0.001+/-0.000 χ^2/NDF : 465981.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 16035613.2/24

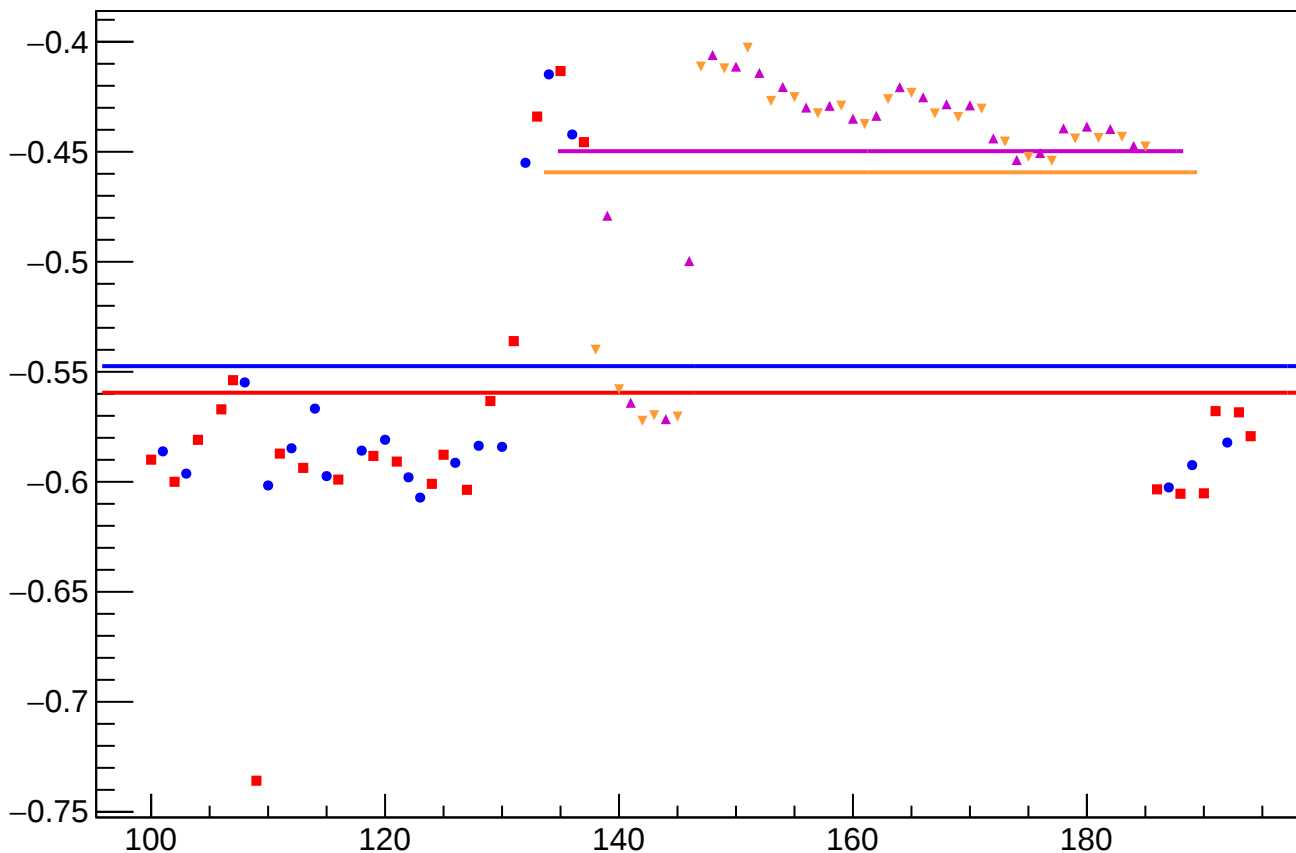
Left In: 0.001+/-0.000 χ^2/NDF : 355509.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 45447946.3/44

All: 0.000+/-0.000 χ^2/NDF : 92284529.9/92

- sign 0.000+/-0.000 χ^2/NDF : 46828767.4/47

yield_bpm4aX_mean vs Slug



Right In: -0.547 $\pm$ 0.000 χ^2 /NDF: 47158276.5/19

Left Out: -0.459 $\pm$ 0.000 χ^2 /NDF: 113602161.0/24

Right Out: -0.560 $\pm$ 0.000 χ^2 /NDF: 65598140.6/24

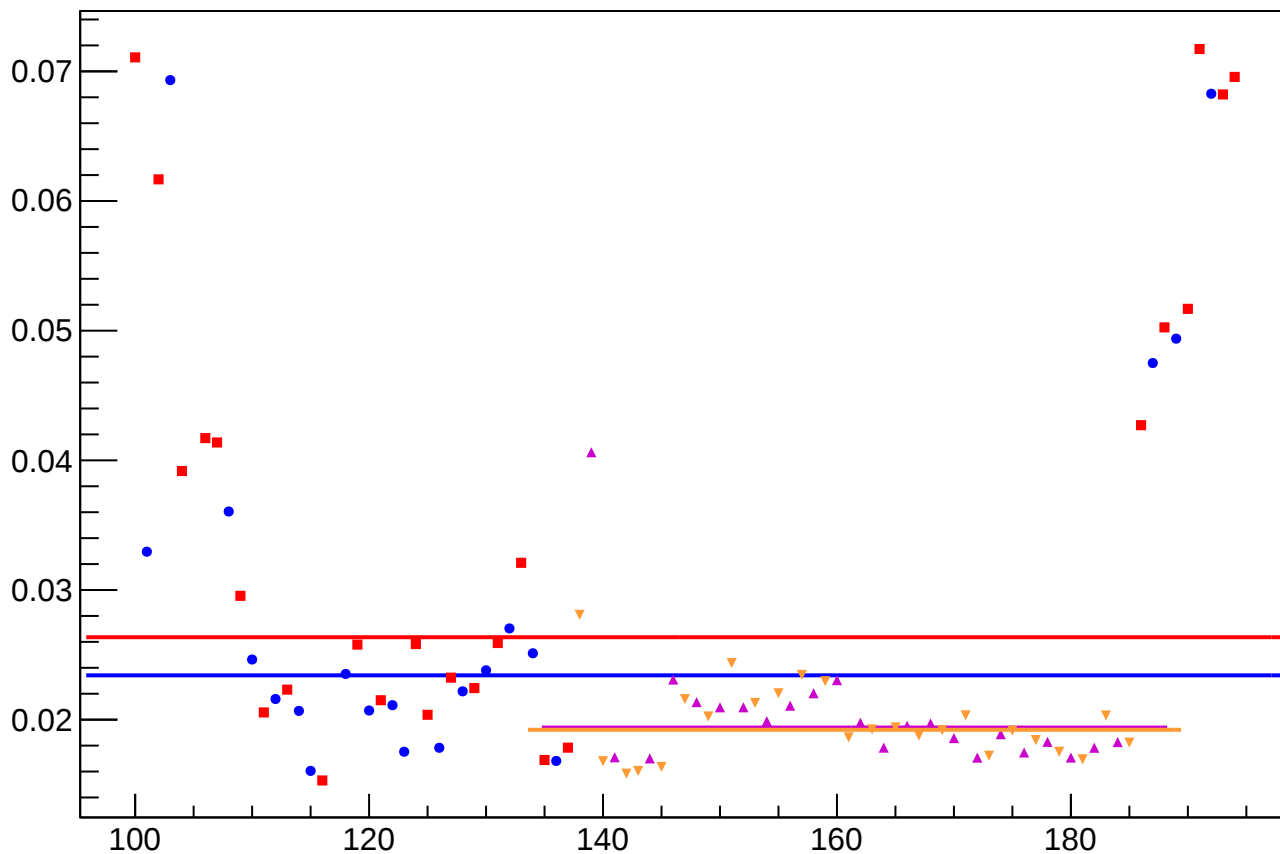
Left In: -0.450 $\pm$ 0.000 χ^2 /NDF: 76117957.8/22

+ sign -0.478 $\pm$ 0.000 χ^2 /NDF: 227695333.3/44

All: -0.476 $\pm$ 0.000 χ^2 /NDF: 470968162.1/92

- sign -0.475 $\pm$ 0.000 χ^2 /NDF: 242944844.5/47

yield_bpm4aX_rms vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 2101580.8/19

Left Out: 0.019+/-0.000 χ^2/NDF : 501711.6/24

Right Out: 0.026+/-0.000 χ^2/NDF : 3375005.3/24

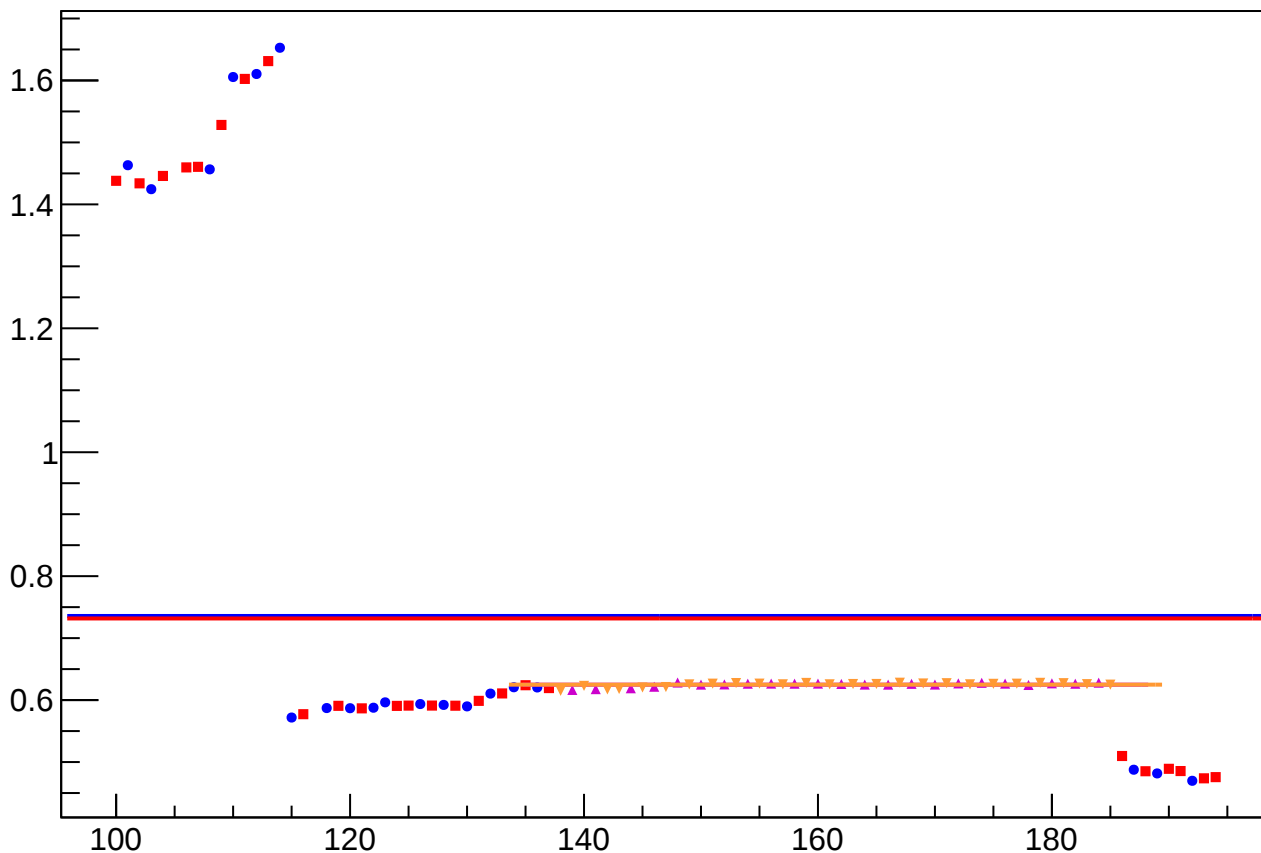
Left In: 0.019+/-0.000 χ^2/NDF : 626443.5/22

+ sign 0.020+/-0.000 χ^2/NDF : 2907366.9/44

All: 0.021+/-0.000 χ^2/NDF : 7759562.9/92

- sign 0.021+/-0.000 χ^2/NDF : 4816387.8/47

yield_bpm4aY_mean vs Slug



Right In: 0.736 $\pm$ 0.000 χ^2 /NDF: 4050680870.5/19

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1445169.1/24

Right Out: 0.732 $\pm$ 0.000 χ^2 /NDF: 5166037211.4/24

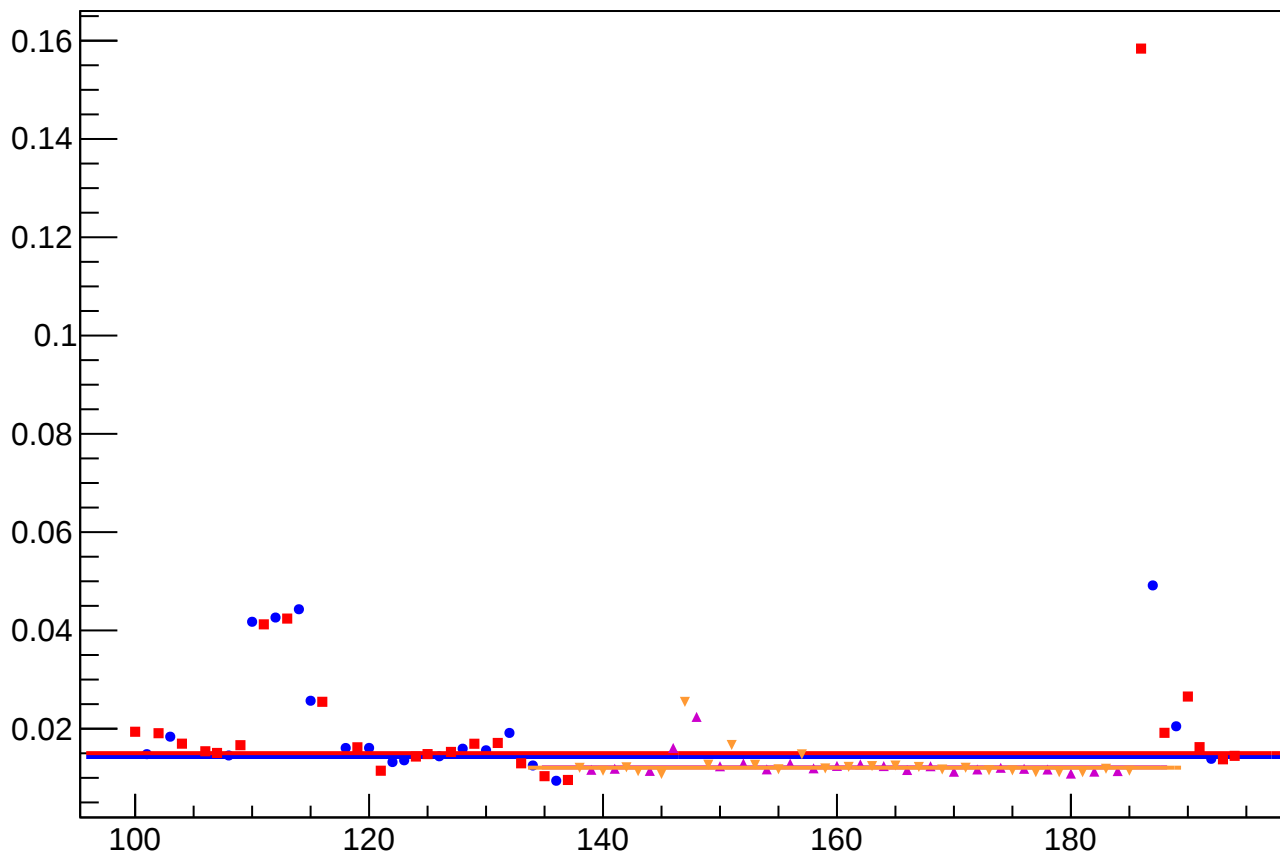
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1143954.1/22

+ sign 0.649 $\pm$ 0.000 χ^2 /NDF: 4381400391.0/44

All: 0.651 $\pm$ 0.000 χ^2 /NDF: 9881774893.6/92

- sign 0.652 $\pm$ 0.000 χ^2 /NDF: 5499761403.8/47

yield_bpm4aY_rms vs Slug



Right In: 0.014 ± 0.000 χ^2/NDF : 1623164.0/19

Left Out: 0.012 ± 0.000 χ^2/NDF : 657199.9/24

Right Out: 0.015 ± 0.000 χ^2/NDF : 2057483.2/24

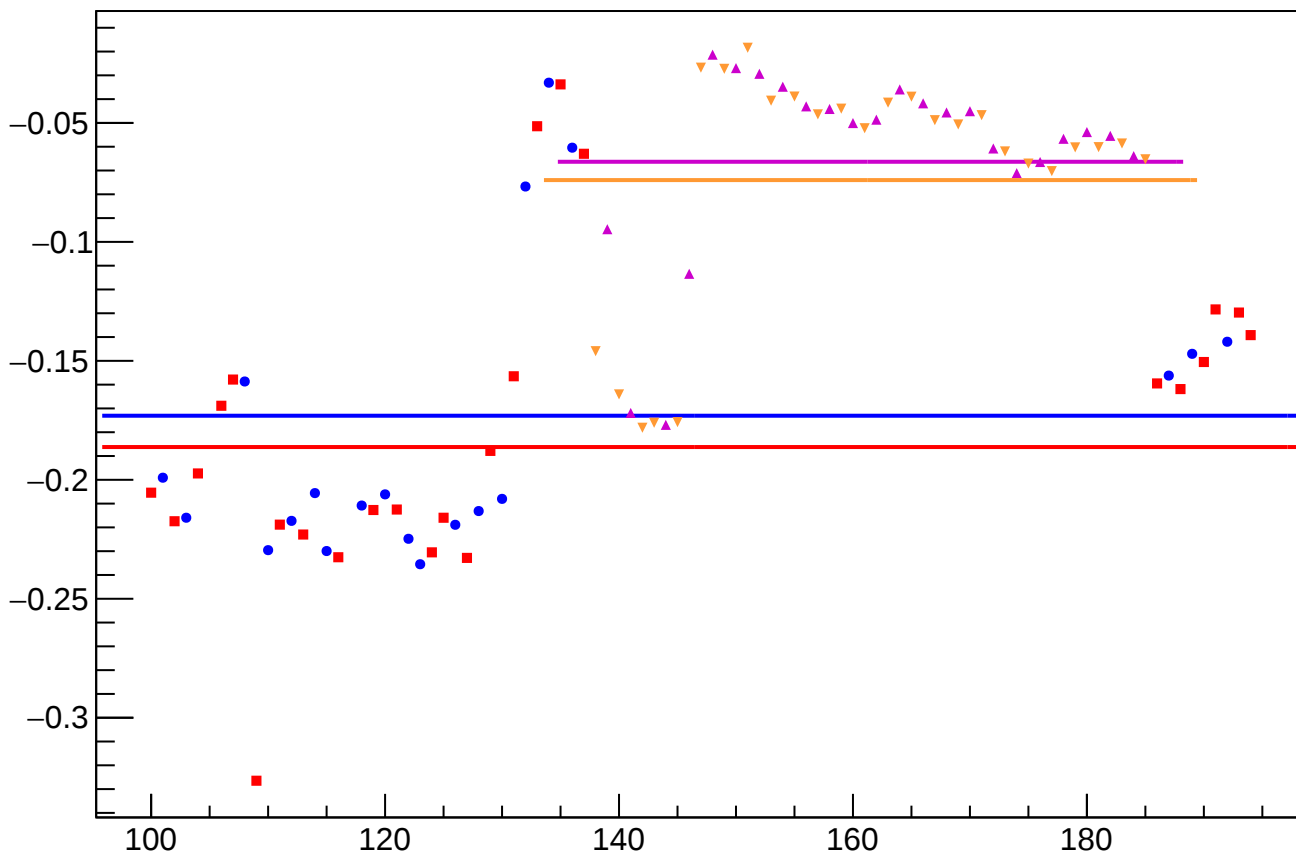
Left In: 0.012 ± 0.000 χ^2/NDF : 488363.6/22

+ sign 0.013 ± 0.000 χ^2/NDF : 2533454.2/44

All: 0.013 ± 0.000 χ^2/NDF : 5582410.6/92

- sign 0.013 ± 0.000 χ^2/NDF : 3032531.1/47

yield_bpm4eX_mean vs Slug



Right In: -0.173+/-0.000 χ^2/NDF : 67108852.1/19

Left Out: -0.074+/-0.000 χ^2/NDF : 107676601.9/24

Right Out: -0.186+/-0.000 χ^2/NDF : 83619839.9/24

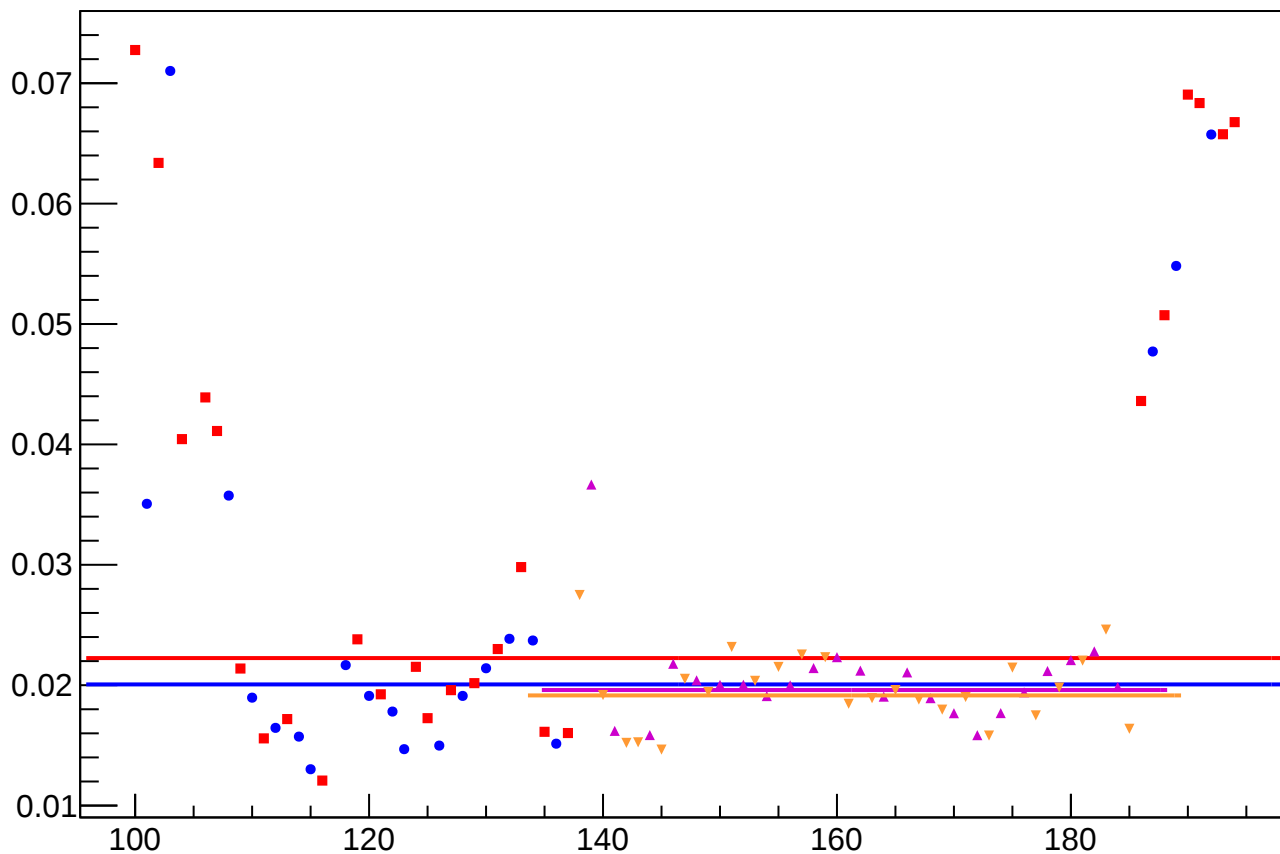
Left In: -0.066+/-0.000 χ^2/NDF : 76243051.8/22

+ sign -0.100+/-0.000 χ^2/NDF : 279573443.5/44

All: -0.100+/-0.000 χ^2/NDF : 588596786.0/92

- sign -0.100+/-0.000 χ^2/NDF : 309023187.0/47

yield_bpm4eX_rms vs Slug



Right In: 0.020 $\pm$ 0.000 χ^2 /NDF: 2579432.1/19

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:641277.0/24

Right Out: 0.022 $\pm$ 0.000 χ^2 /NDF: 4255494.3/24

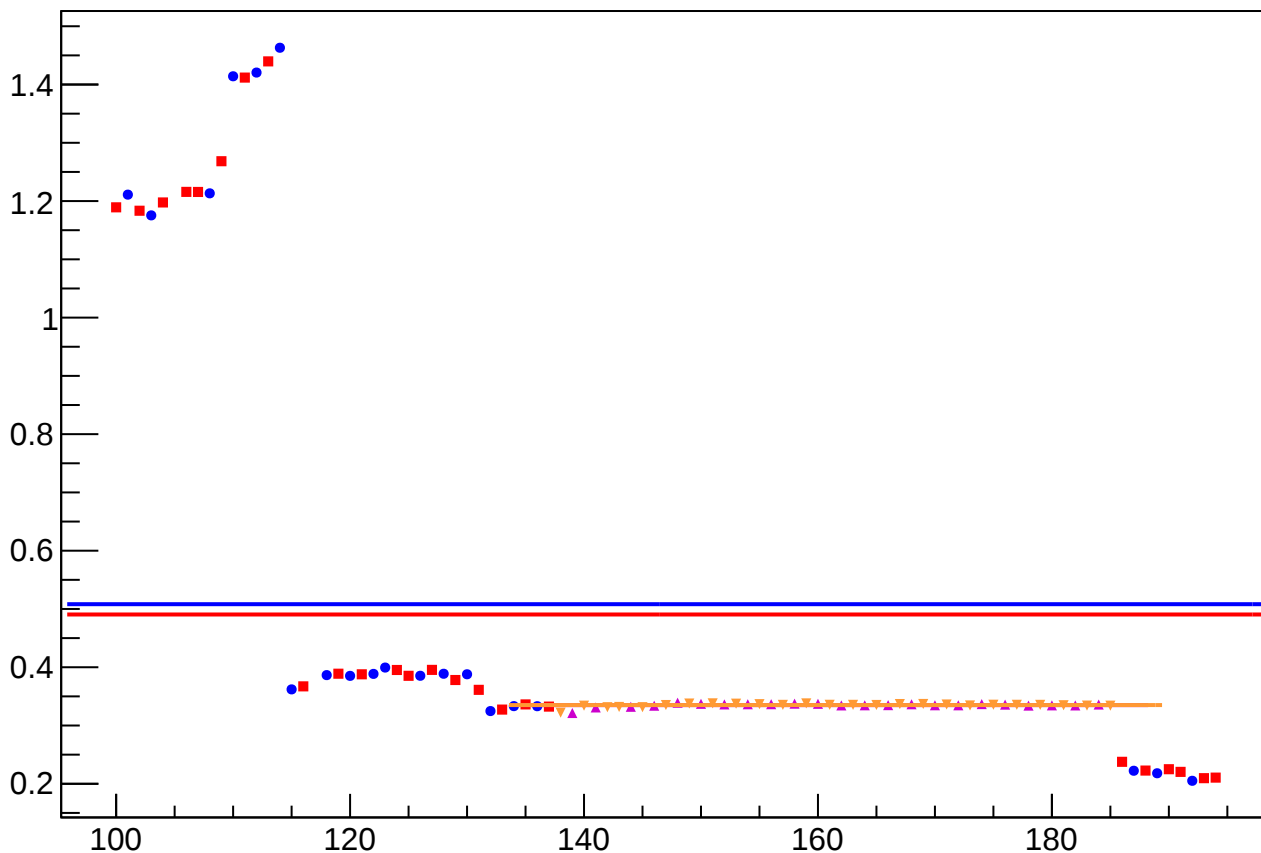
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:623148.2/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 3238550.2/44

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 8311831.3/92

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 5024833.8/47

yield_bpm4eY_mean vs Slug



Right In: 0.508+/-0.000 χ^2/NDF : 5805810427.7/19

Left Out: 0.335+/-0.000 χ^2/NDF : 1154310.3/24

Right Out: 0.491+/-0.000 χ^2/NDF : 7184261982.2/24

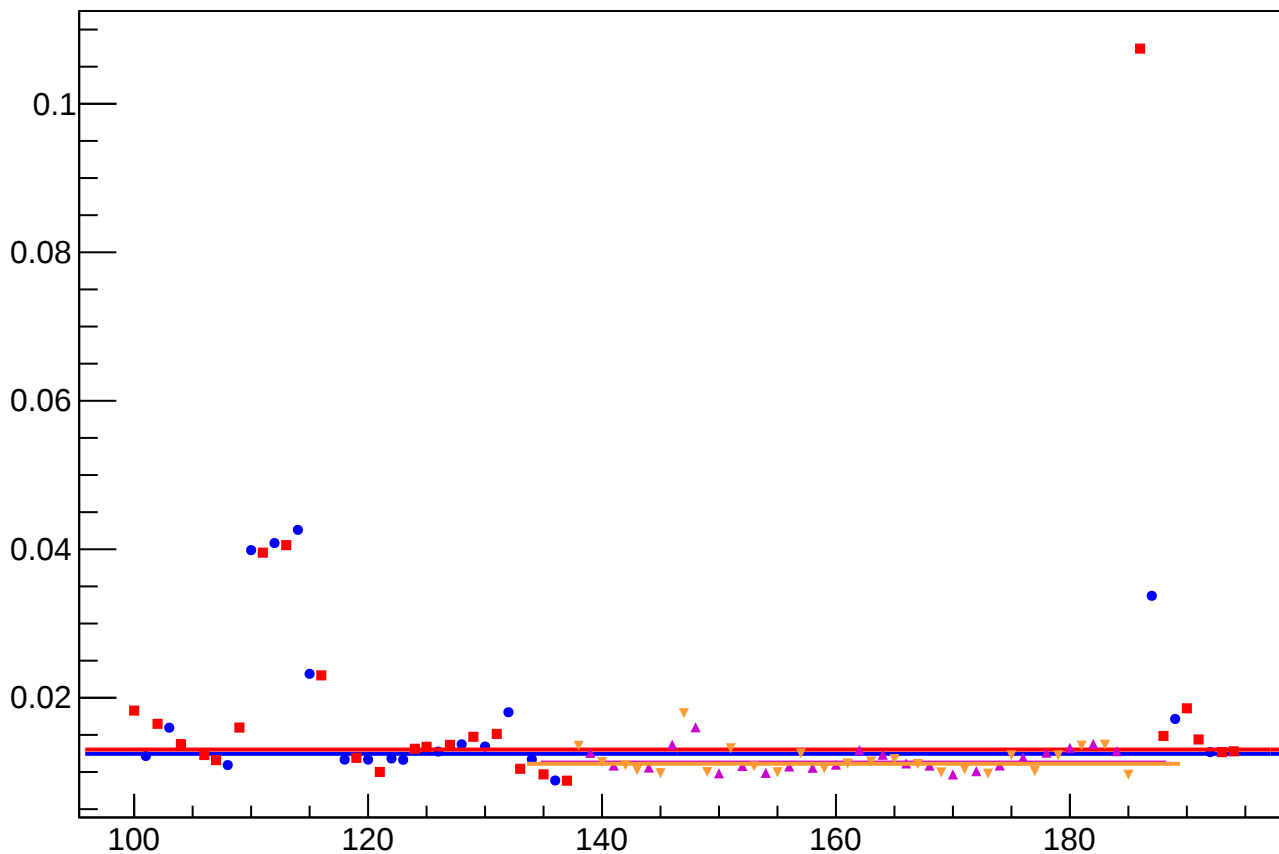
Left In: 0.335+/-0.000 χ^2/NDF : 1202194.8/22

+ sign 0.377+/-0.000 χ^2/NDF : 6836173515.6/44

All: 0.378+/-0.000 χ^2/NDF : 14921119467.2/9

- sign 0.380+/-0.000 χ^2/NDF : 8084407032.2/47

yield_bpm4eY_rms vs Slug



Right In: 0.012 ± 0.000 χ^2/NDF : 1491966.3/19

Left Out: 0.011 ± 0.000 χ^2/NDF : 607532.0/24

Right Out: 0.013 ± 0.000 χ^2/NDF : 1920158.1/24

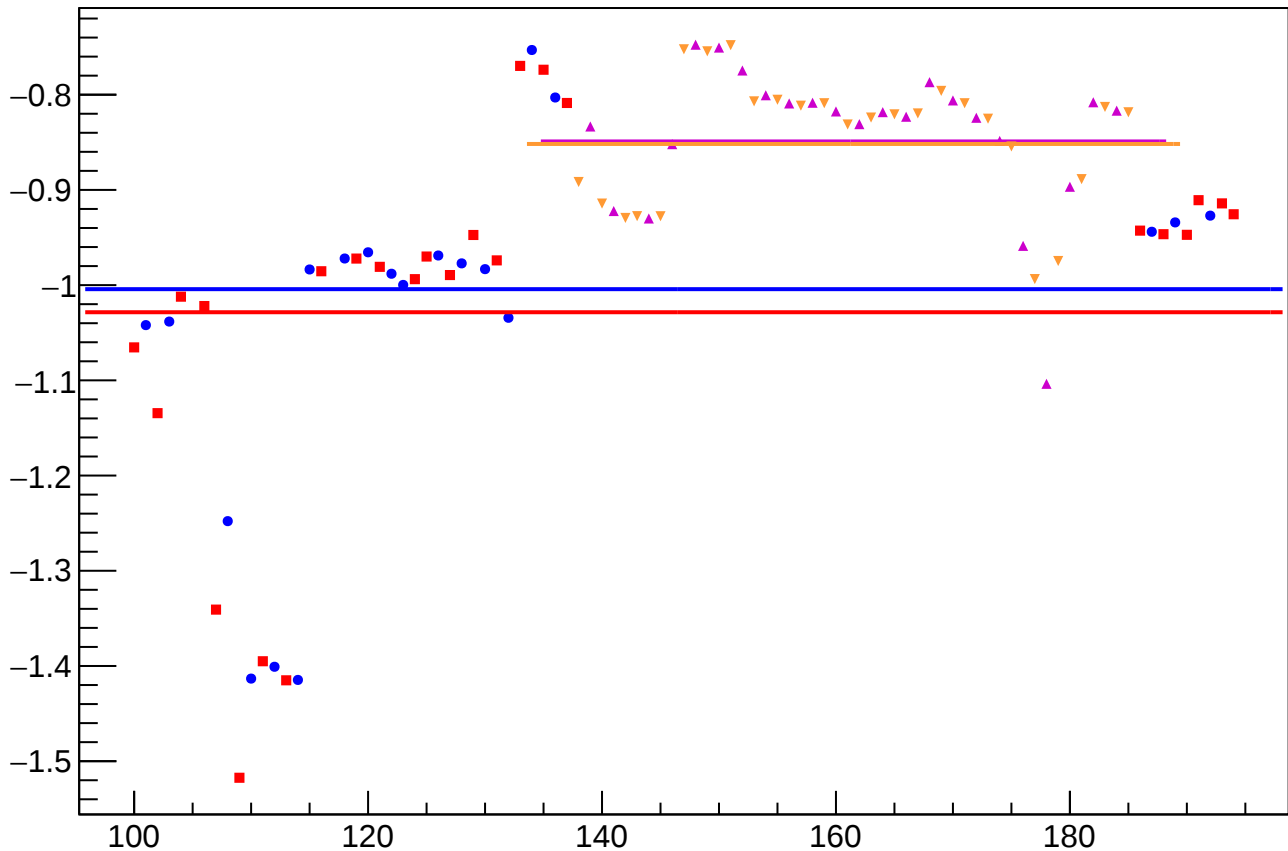
Left In: 0.011 ± 0.000 χ^2/NDF : 502455.5/22

+ sign 0.011 ± 0.000 χ^2/NDF : 2223068.8/44

All: 0.012 ± 0.000 χ^2/NDF : 4895908.2/92

- sign 0.012 ± 0.000 χ^2/NDF : 2651847.4/47

yield_bpm4acX_mean vs Slug



Right In: -1.004 ± 0.000 χ^2/NDF : 396099140.6/19

Left Out: -0.852 ± 0.000 χ^2/NDF : 189103962.4/24

Right Out: -1.028 ± 0.000 χ^2/NDF : 546072448.3/24

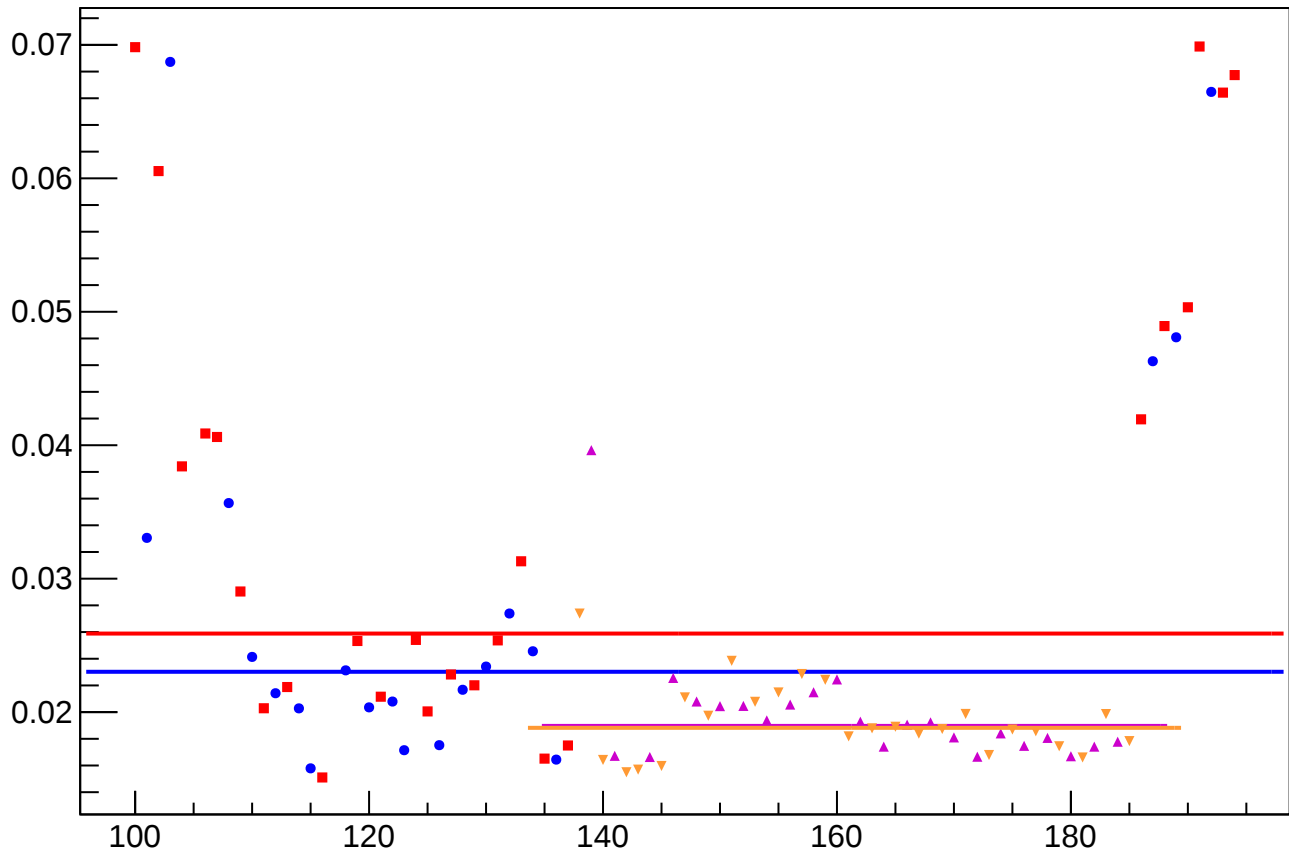
Left In: -0.849 ± 0.000 χ^2/NDF : 256391274.4/22

+ sign -0.884 ± 0.000 χ^2/NDF : 792816984.3/44

All: -0.887 ± 0.000 χ^2/NDF : 1876714529.5/9

- sign -0.889 ± 0.000 χ^2/NDF : 1083213947.4/47

yield_bpm4acX_rms vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 2113527.2/19

Left Out: 0.019+/-0.000 χ^2/NDF :490509.4/24

Right Out: 0.026+/-0.000 χ^2/NDF : 3347390.4/24

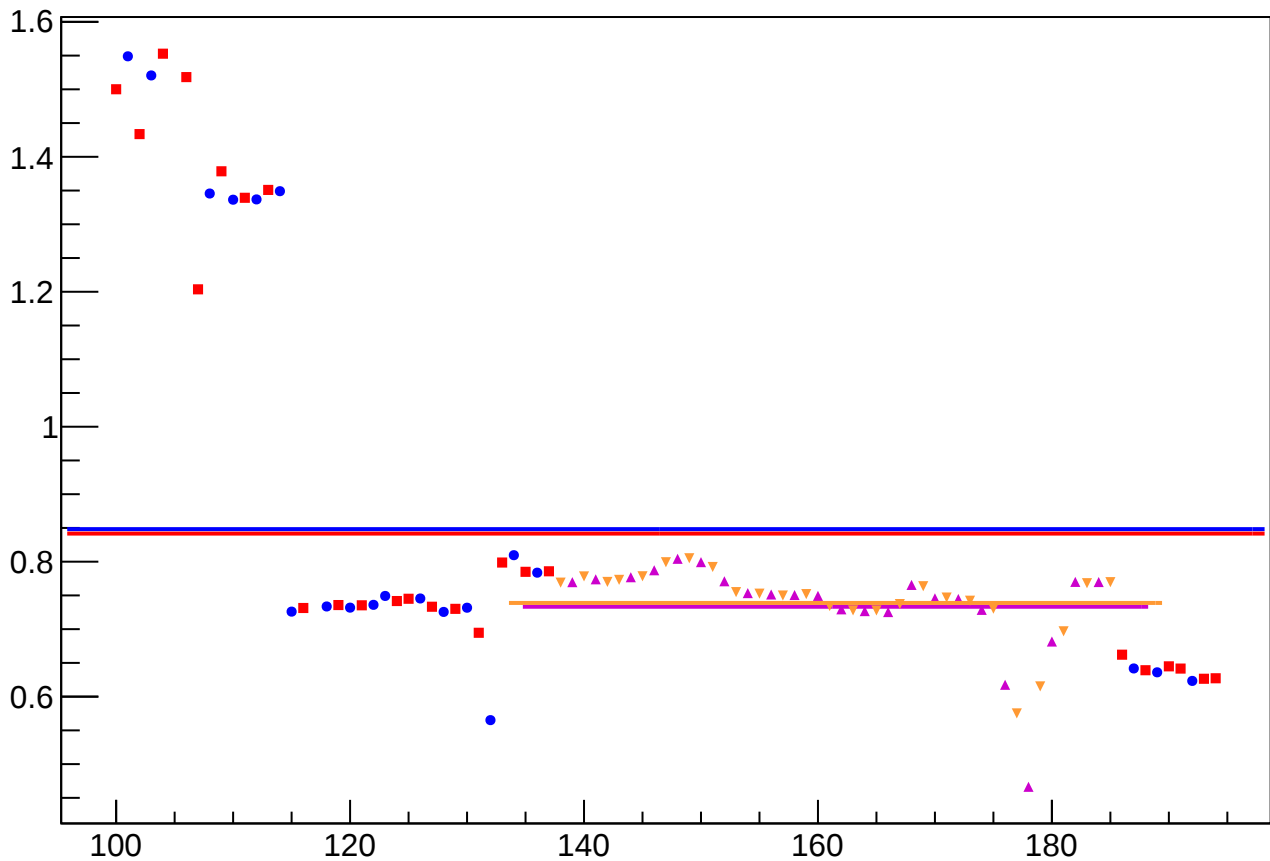
Left In: 0.019+/-0.000 χ^2/NDF :615173.8/22

+ sign 0.020+/-0.000 χ^2/NDF : 2919068.3/44

All: 0.020+/-0.000 χ^2/NDF : 7750659.2/92

- sign 0.021+/-0.000 χ^2/NDF : 4798236.1/47

yield_bpm4acY_mean vs Slug



Right In: 0.848 $\pm$ 0.000 χ^2 /NDF: 2740889334.7/19

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:333013236.5/24

+ sign 0.763 $\pm$ 0.000 χ^2 /NDF: 3386419707.7/44

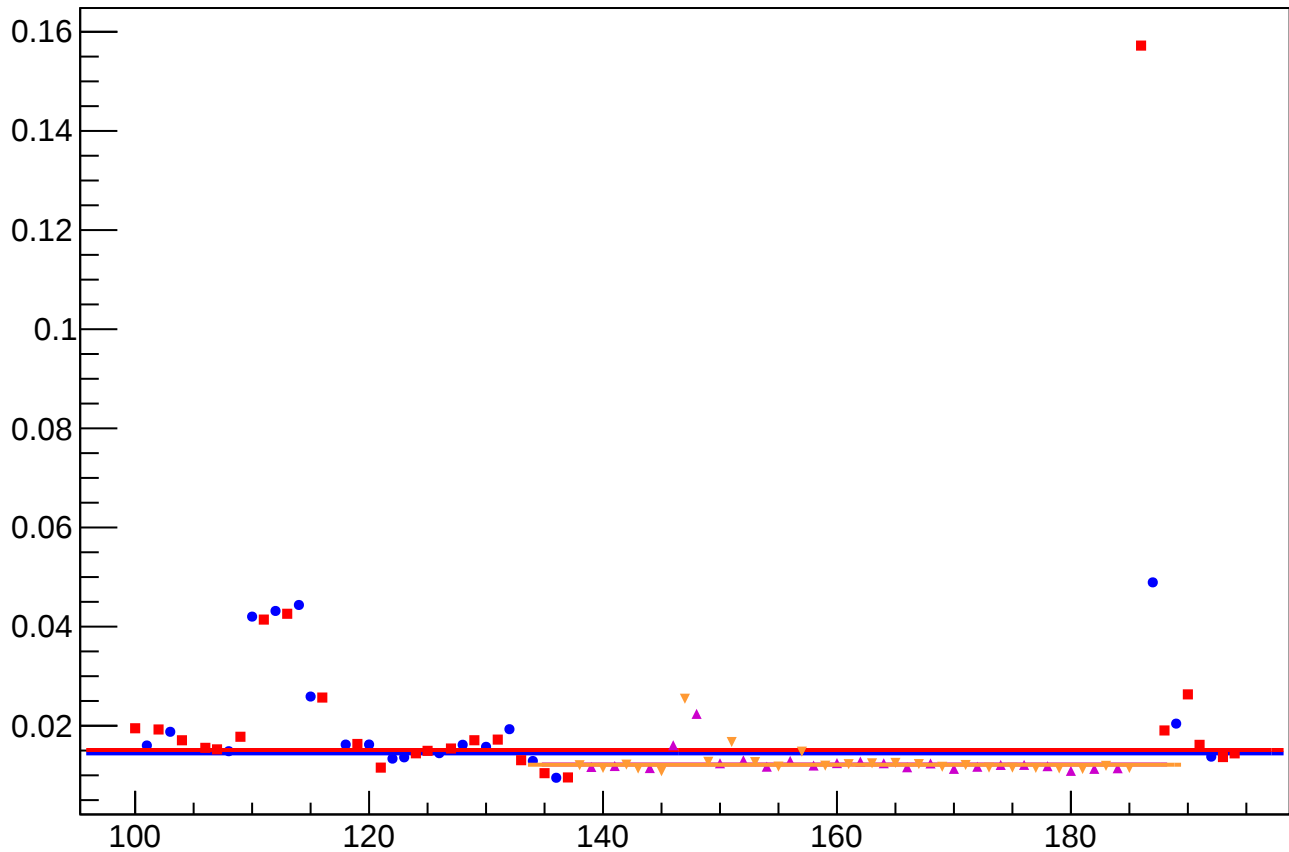
Right Out: 0.842 $\pm$ 0.000 χ^2 /NDF: 3136557632.7/24

All: 0.762 $\pm$ 0.000 χ^2 /NDF: 7430753342.2/92

- sign 0.761 $\pm$ 0.000 χ^2 /NDF: 4044094662.2/47

Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:569611347.7/22

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1627393.6/19

Left Out: 0.012+/-0.000 χ^2/NDF : 637986.2/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2057469.0/24

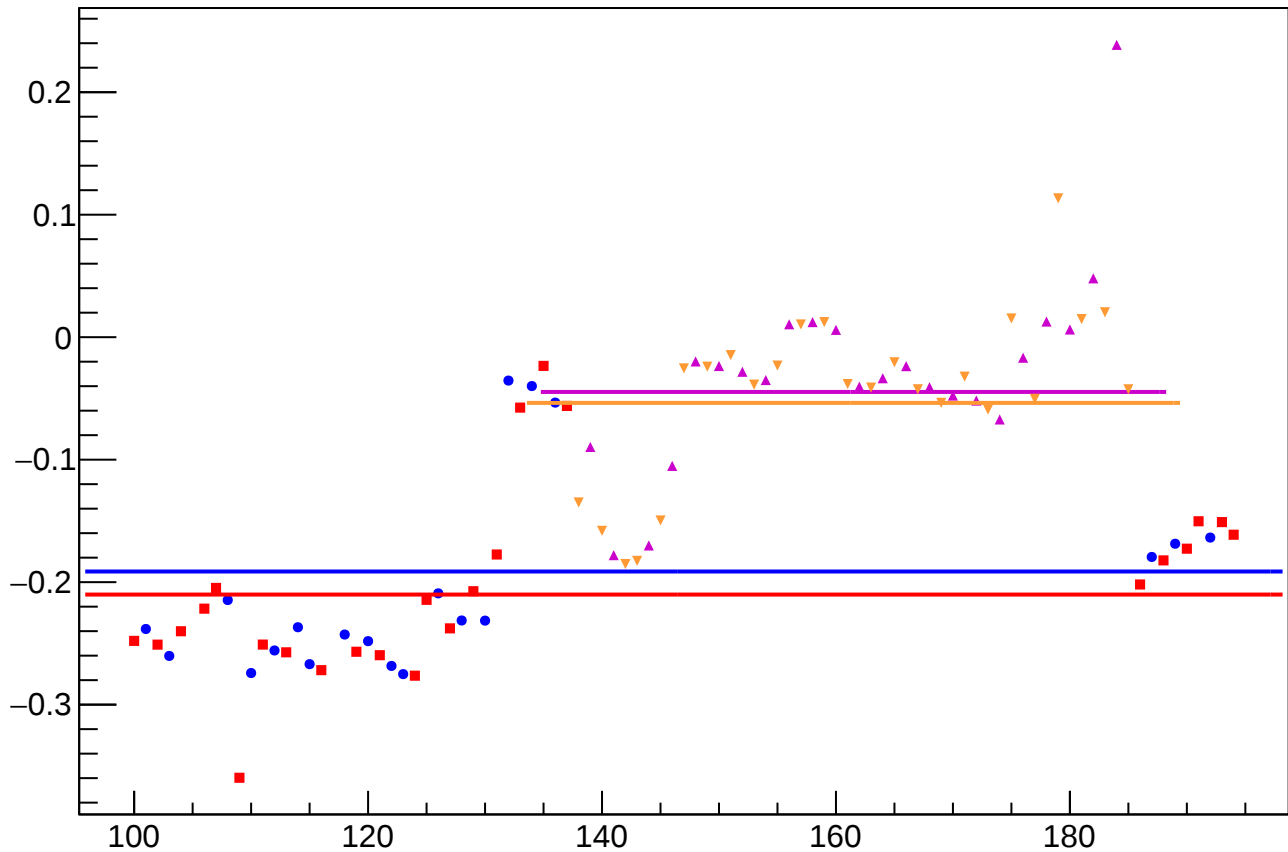
Left In: 0.012+/-0.000 χ^2/NDF : 481830.1/22

+ sign 0.013+/-0.000 χ^2/NDF : 2538571.7/44

All: 0.013+/-0.000 χ^2/NDF : 5581335.3/92

- sign 0.013+/-0.000 χ^2/NDF : 3029154.2/47

yield_bpm4ecX_mean vs Slug



Right In: -0.191 ± 0.000 χ^2/NDF : 106448170.8/19

Left Out: -0.054 ± 0.000 χ^2/NDF : 167834173.6/24

Right Out: -0.210 ± 0.000 χ^2/NDF : 112171991.9/24

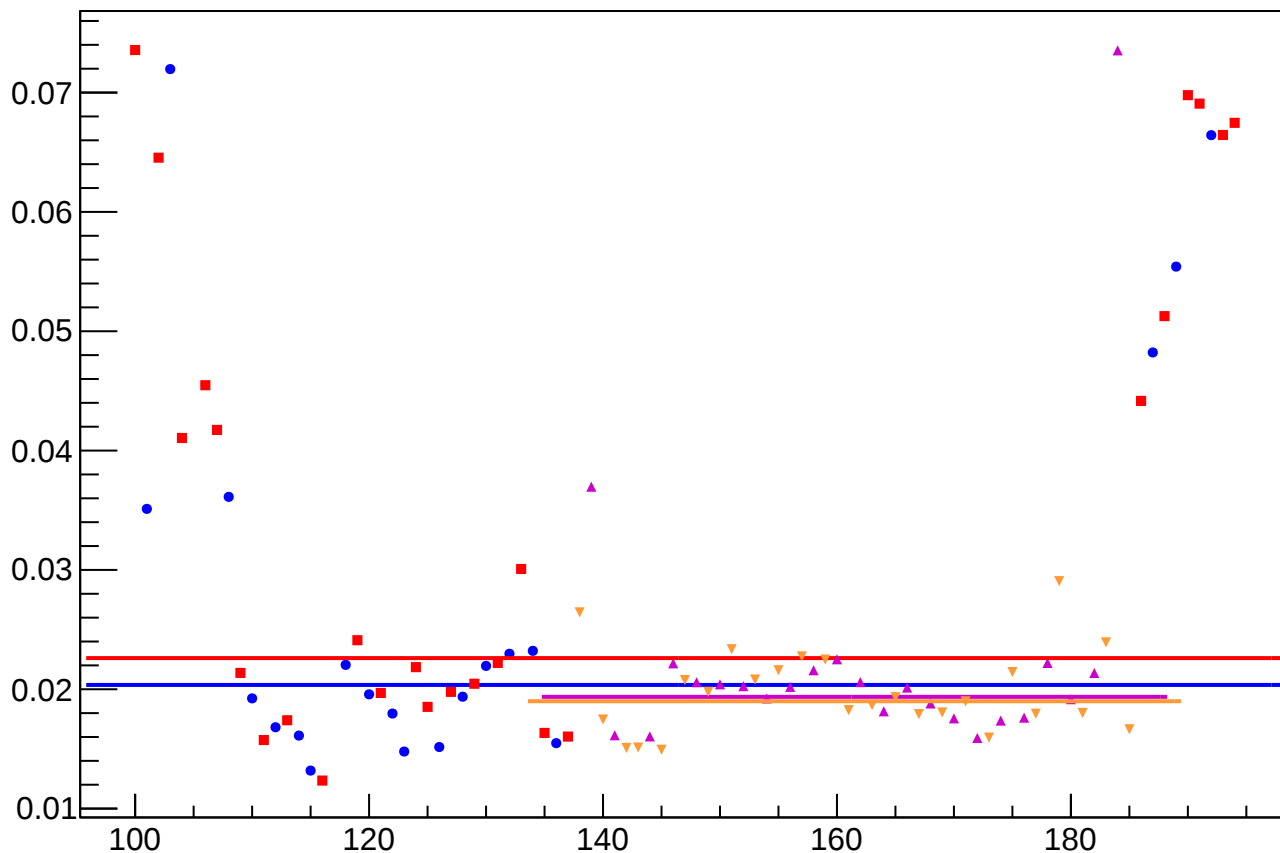
Left In: -0.045 ± 0.000 χ^2/NDF : 127192425.2/22

+ sign -0.089 ± 0.000 χ^2/NDF : 471791088.4/44

All: -0.090 ± 0.000 χ^2/NDF : 988153875.5/92

- sign -0.090 ± 0.000 χ^2/NDF : 516338775.0/47

yield_bpm4ecX_rms vs Slug



Right In: 0.020 $\pm$ 0.000 χ^2 /NDF: 2545014.7/19

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 700229.7/24

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 4230951.6/24

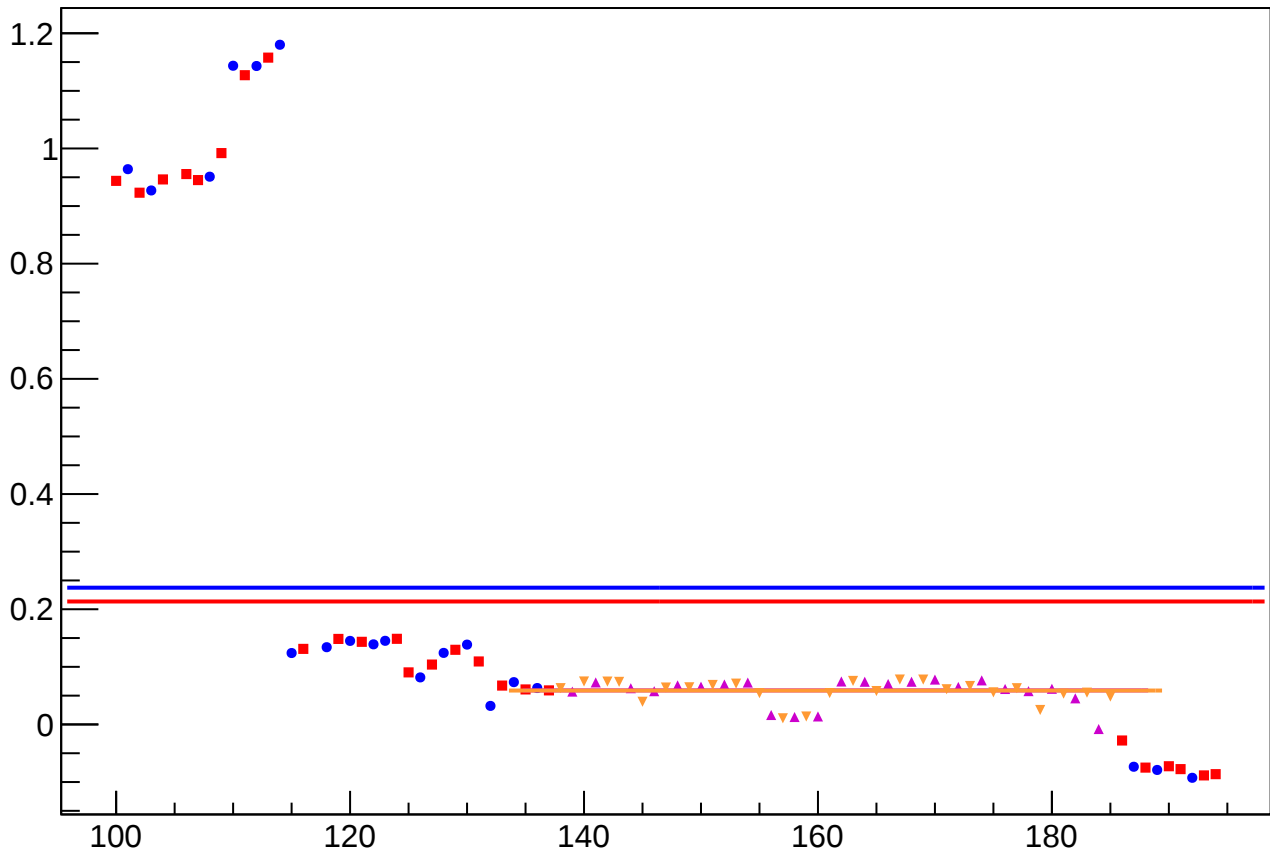
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 858216.8/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 3284151.3/44

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 8629934.7/92

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 5302513.8/47

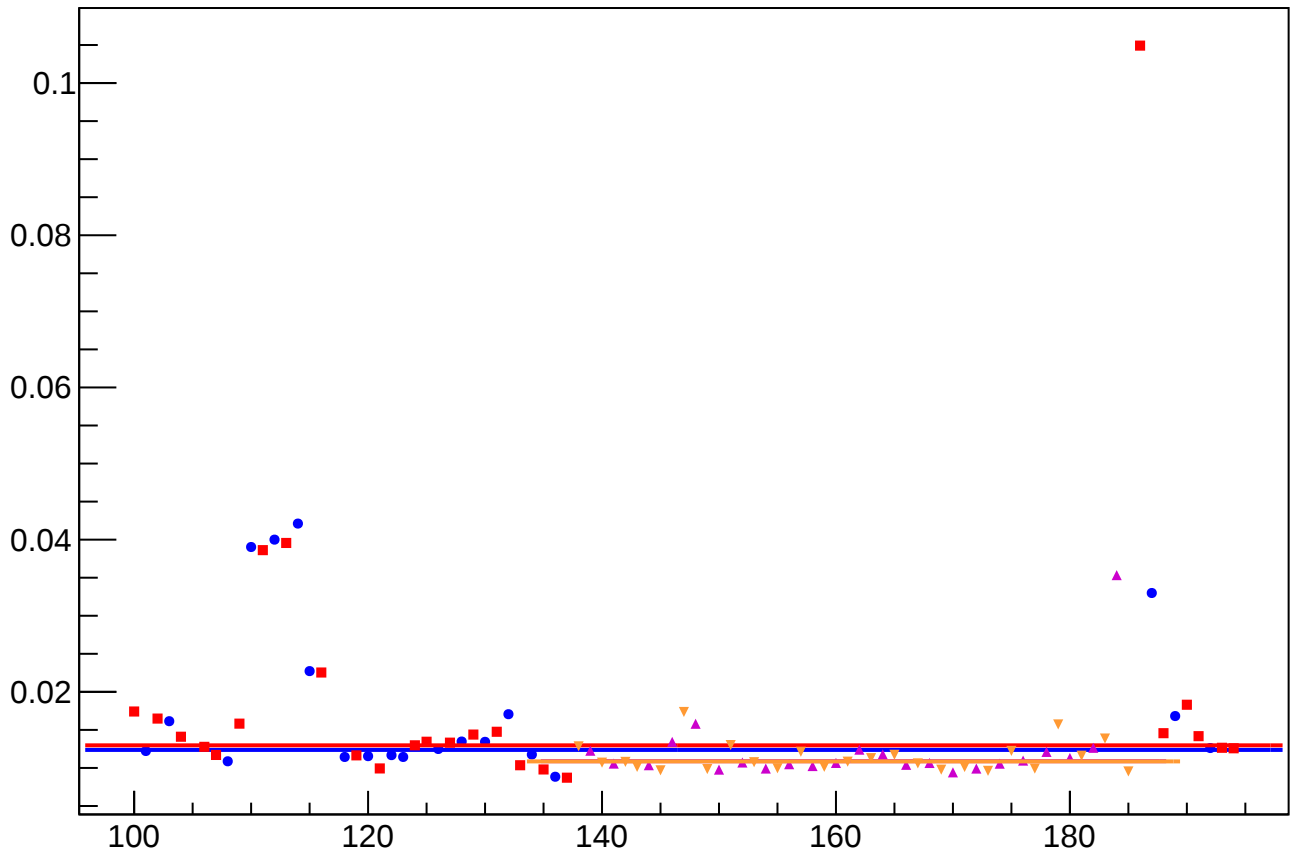
yield_bpm4ecY_mean vs Slug



Right In: 0.237 $\pm$ 0.000 χ^2 /NDF: 6104295143.1/19
 Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 46821236.8/24
 Right Out: 0.213 $\pm$ 0.000 χ^2 /NDF: 7446303453.9/24
 Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58518655.0/22

+ sign 0.102 $\pm$ 0.000 χ^2 /NDF: 7263812979.8/44
 All: 0.102 $\pm$ 0.000 χ^2 /NDF: 15672281760.4/9
 - sign 0.102 $\pm$ 0.000 χ^2 /NDF: 8408468688.4/47

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1458189.5/19

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:604787.9/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1874050.5/24

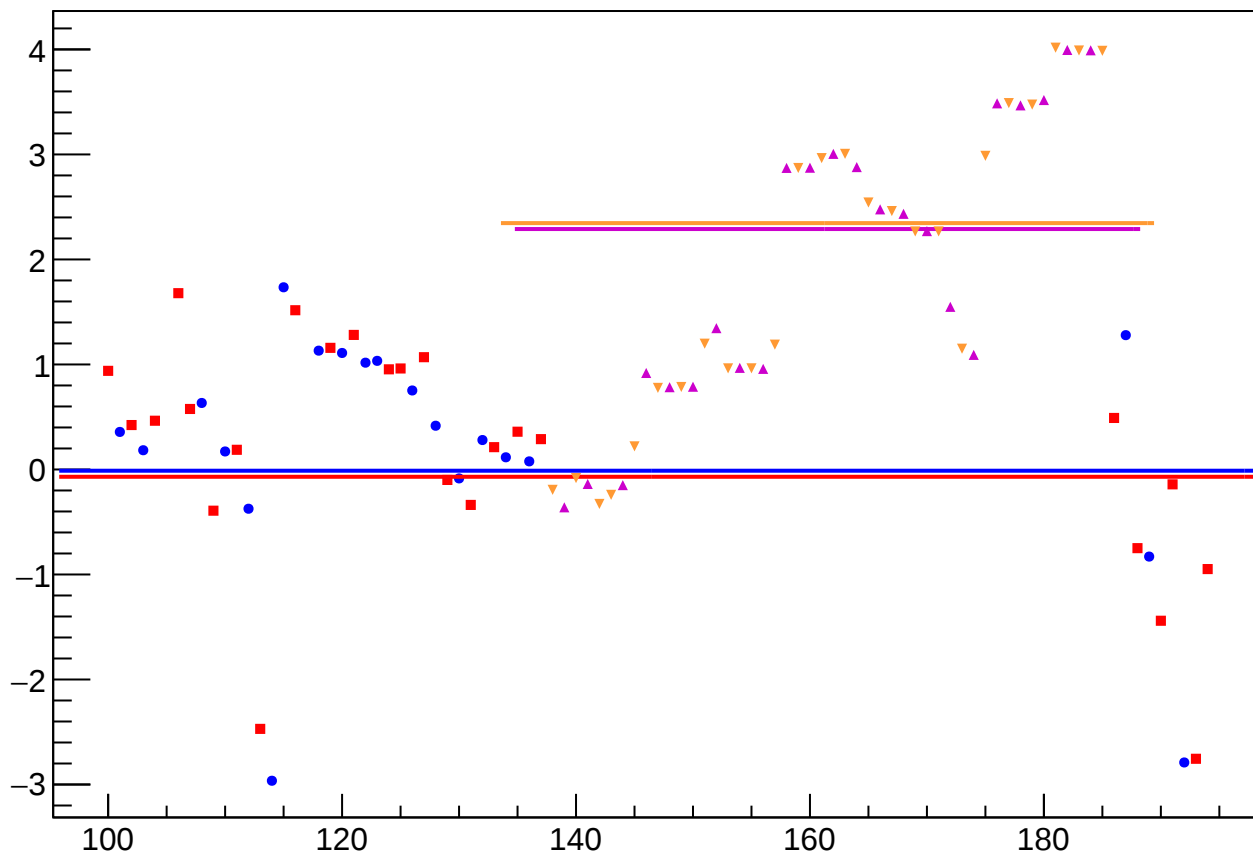
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:530077.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2221542.0/44

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 4965082.4/92

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2732138.6/47

yield_bpm1X_mean vs Slug



Right In: -0.012 ± 0.000 $\chi^2/\text{NDF}: 2539832668.4/19$

Left Out: 2.346 ± 0.000 $\chi^2/\text{NDF}: 63481331015.4/24$

Right Out: -0.070 ± 0.000 $\chi^2/\text{NDF}: 3272515170.4/24$

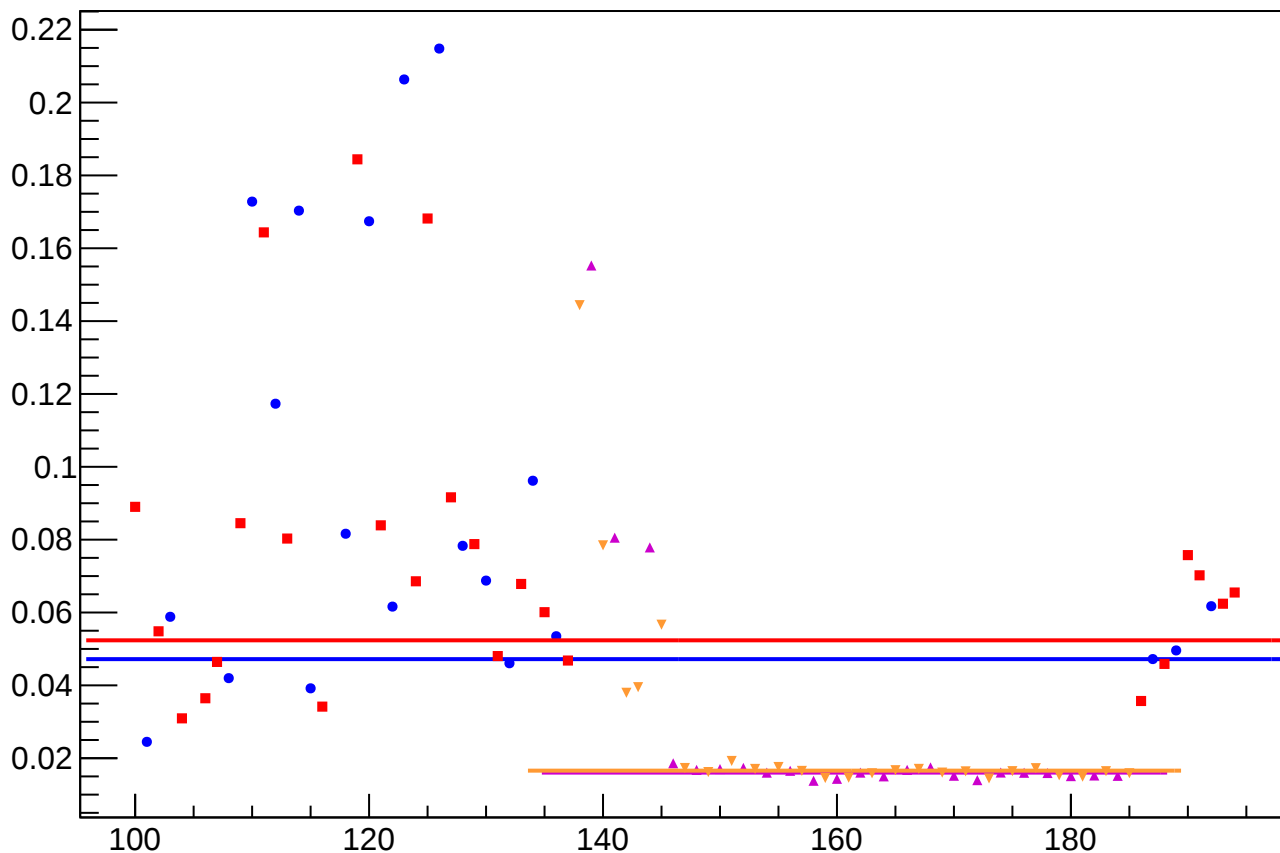
Left In: 2.290 ± 0.000 $\chi^2/\text{NDF}: 60875537647.3/22$

+ sign 2.248 ± 0.000 $\chi^2/\text{NDF}: 77800408594.0/44$

All: 2.212 ± 0.000 $\chi^2/\text{NDF}: 155943122869.9$

- sign 2.176 ± 0.000 $\chi^2/\text{NDF}: 78004528305.9/47$

yield_bpm1X_rms vs Slug



Right In: 0.047 $\pm$ 0.000 χ^2 /NDF: 2947330.3/19

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2621162.1/24

Right Out: 0.052 $\pm$ 0.000 χ^2 /NDF: 2550459.3/24

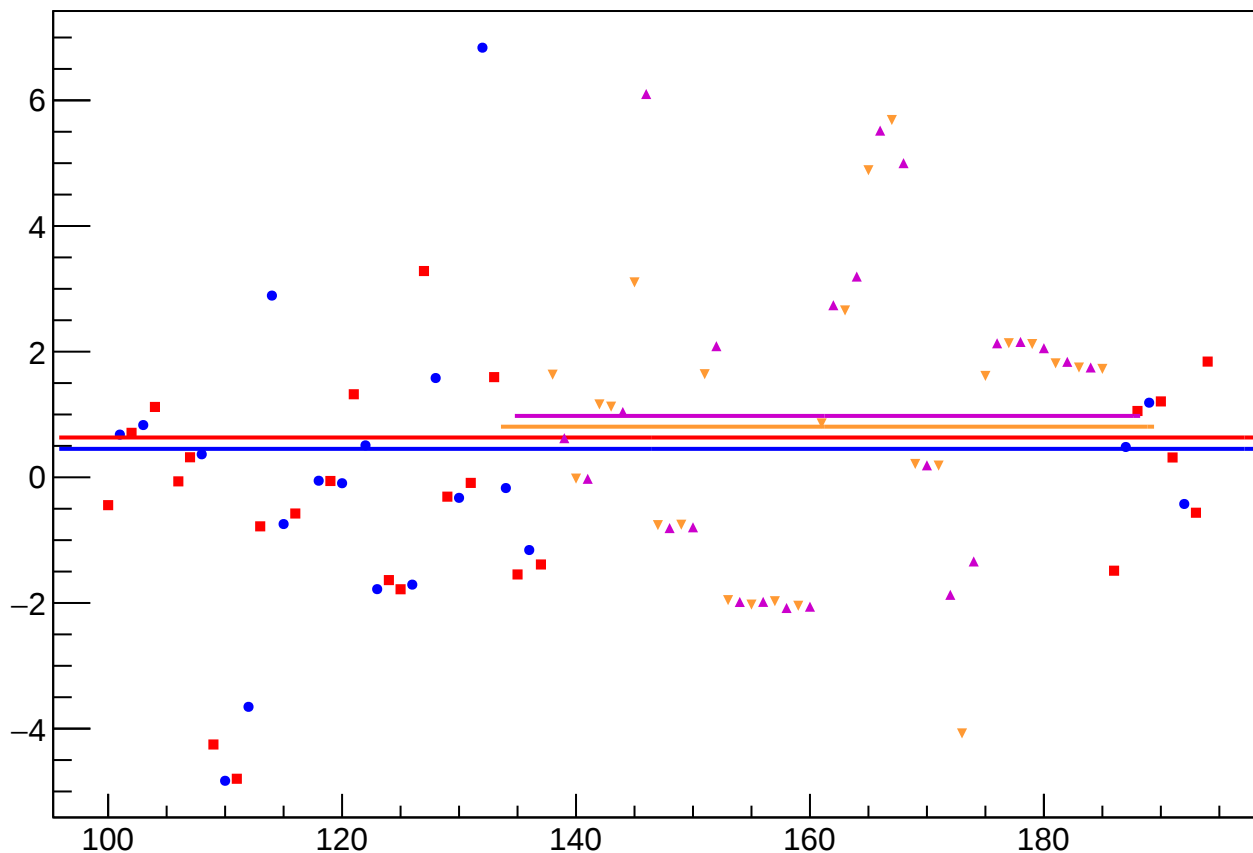
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2394376.5/22

+ sign 0.018 $\pm$ 0.000 χ^2 /NDF: 9539748.4/44

All: 0.018 $\pm$ 0.000 χ^2 /NDF: 21052211.4/92

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 11512220.6/47

yield_bpm1Y_mean vs Slug



Right In: 0.453+/-0.000 χ^2/NDF : 13751127068.2/19

Left Out: 0.806+/-0.000 χ^2/NDF : 507578952196.2/24

Right Out: 0.634+/-0.000 χ^2/NDF : 11012433135.0/24

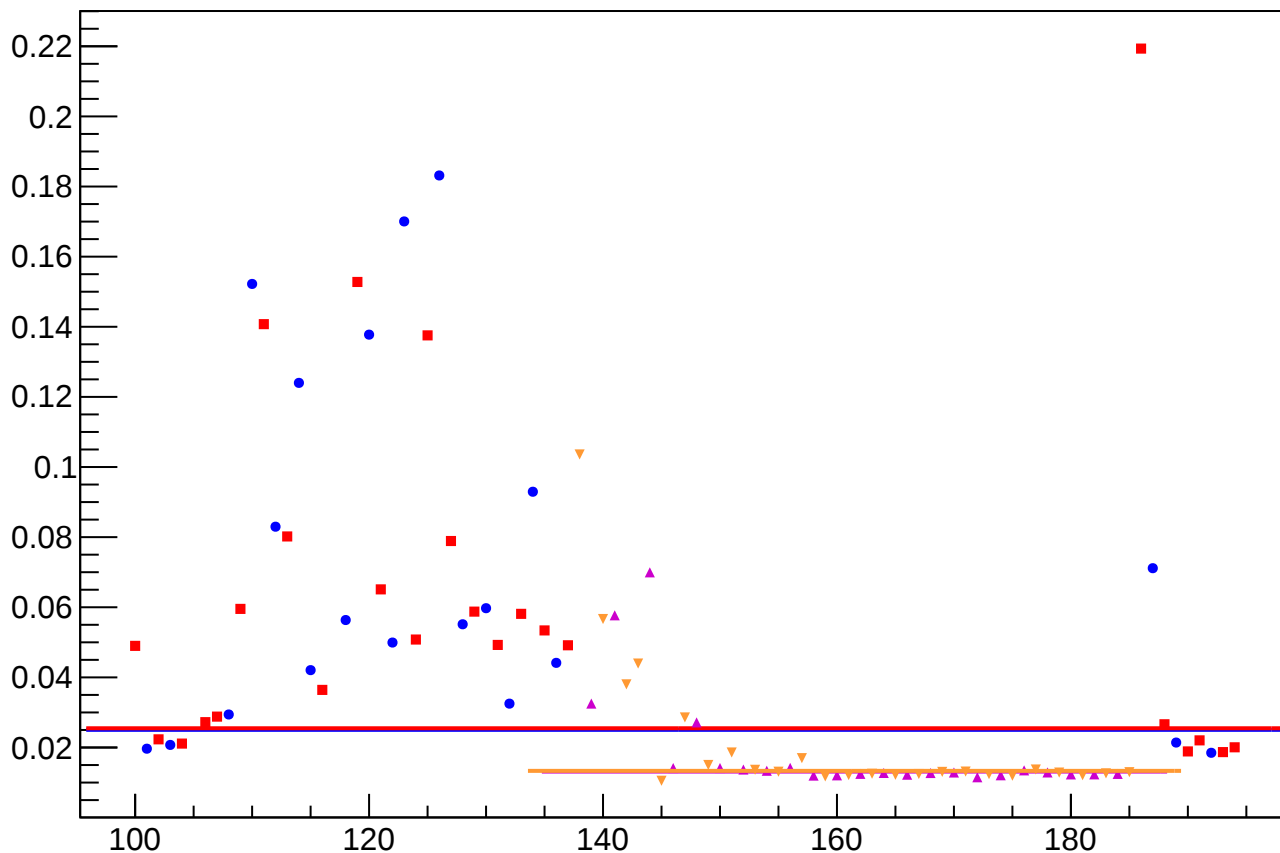
Left In: 0.977+/-0.000 χ^2/NDF : 568209676597.4/22

+ sign 0.779+/-0.000 χ^2/NDF : 522151833108.8/44

All: 0.862+/-0.000 χ^2/NDF : 1103637327418.

- sign 0.943+/-0.000 χ^2/NDF : 580223194435.5/47

yield_bpm1Y_rms vs Slug



Right In: 0.025+/-0.000 χ^2/NDF : 3525564.2/19

Left Out: 0.013+/-0.000 χ^2/NDF : 2829753.9/24

Right Out: 0.025+/-0.000 χ^2/NDF : 4392595.2/24

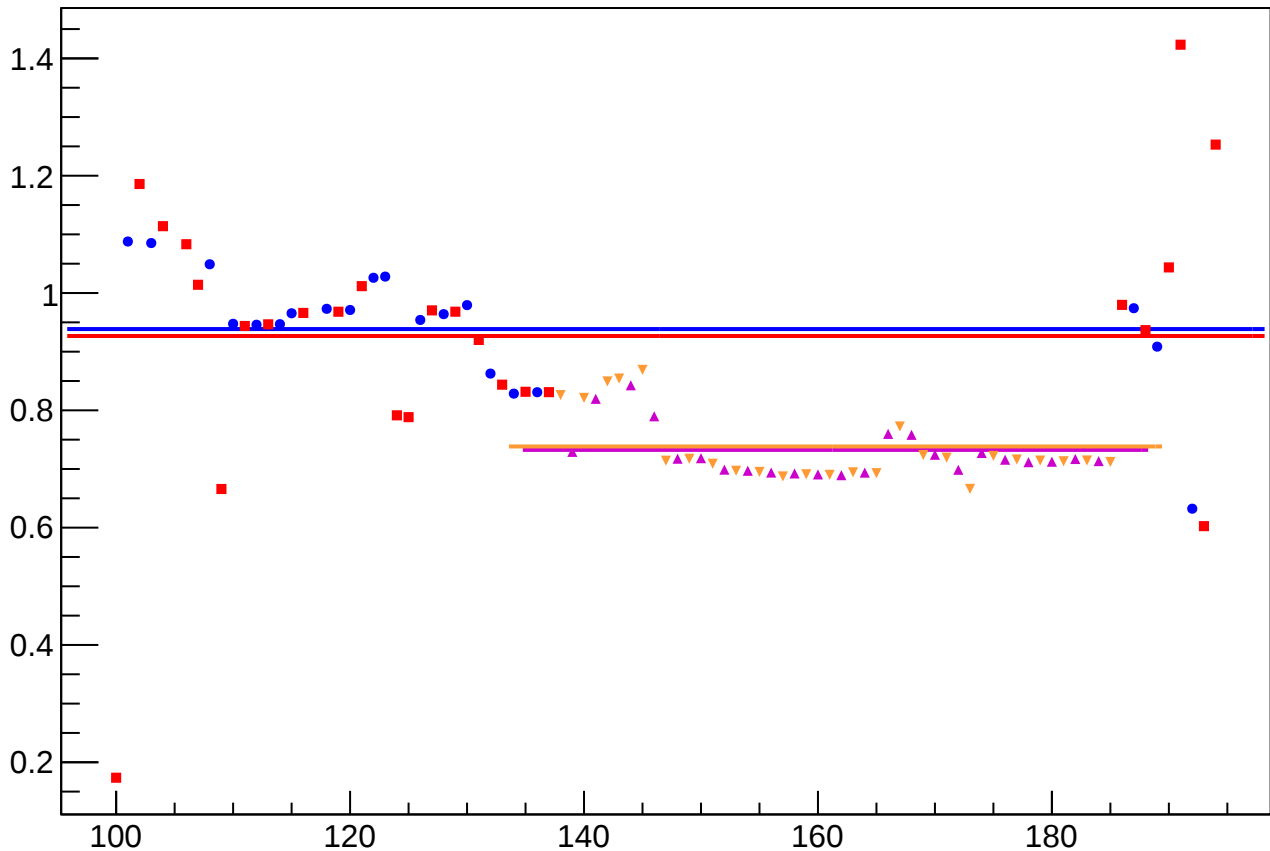
Left In: 0.013+/-0.000 χ^2/NDF : 1946693.6/22

+ sign 0.014+/-0.000 χ^2/NDF : 8160554.1/44

All: 0.014+/-0.000 χ^2/NDF : 17091233.8/92

- sign 0.014+/-0.000 χ^2/NDF : 8929295.6/47

yield_bpm11X_mean vs Slug



Right In: 0.939 $\pm$ 0.000 χ^2 /NDF: 299116426.0/19

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF: 310195180.4/24

+ sign 0.794 $\pm$ 0.000 χ^2 /NDF: 1564438761.8/44

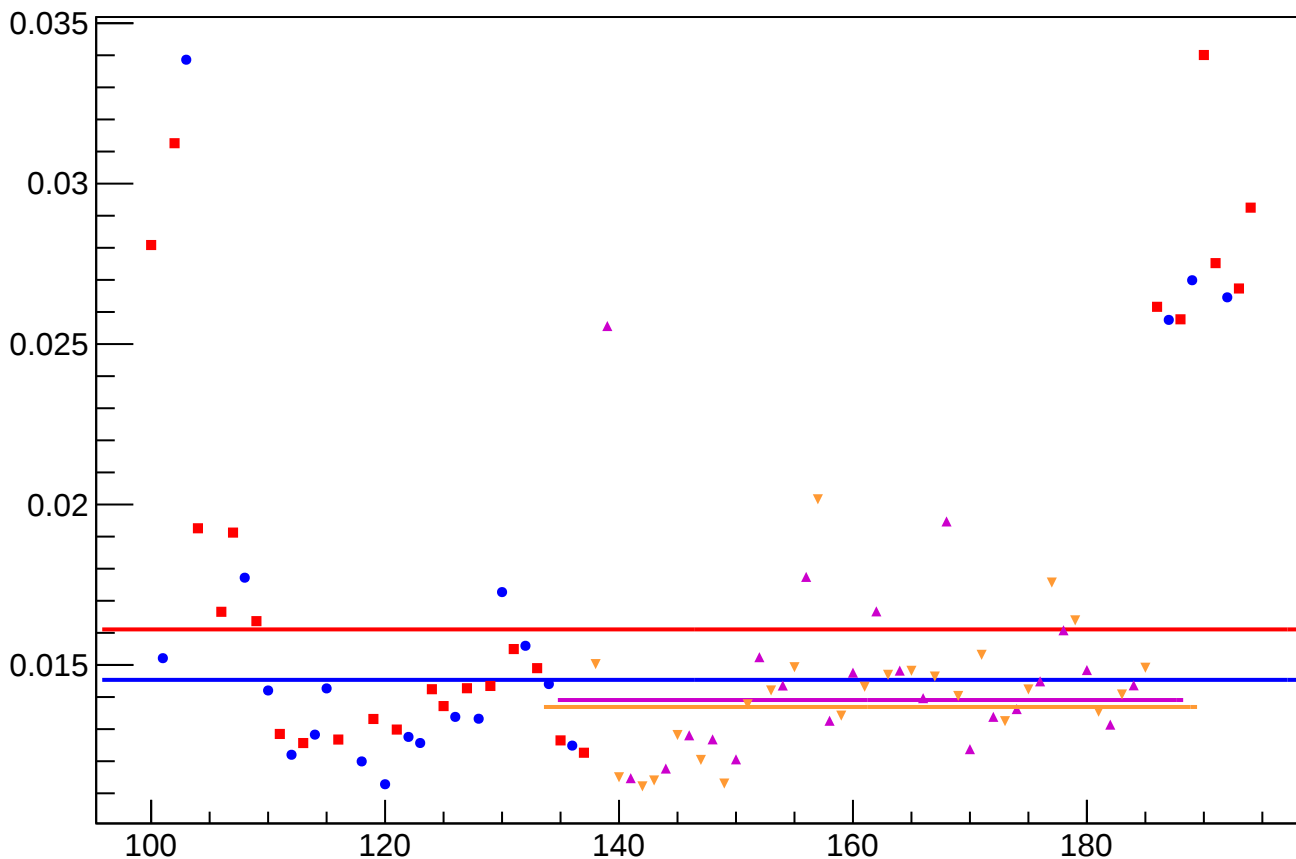
Right Out: 0.927 $\pm$ 0.000 χ^2 /NDF: 660597095.1/24

All: 0.792 $\pm$ 0.000 χ^2 /NDF: 3287817475.5/92

- sign 0.790 $\pm$ 0.000 χ^2 /NDF: 1722631590.4/47

Left In: 0.733 $\pm$ 0.000 χ^2 /NDF: 170102394.7/22

yield_bpm11X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1196865.0/19

Left Out: 0.014+/-0.000 χ^2/NDF : 528480.6/24

Right Out: 0.016+/-0.000 χ^2/NDF : 1843170.5/24

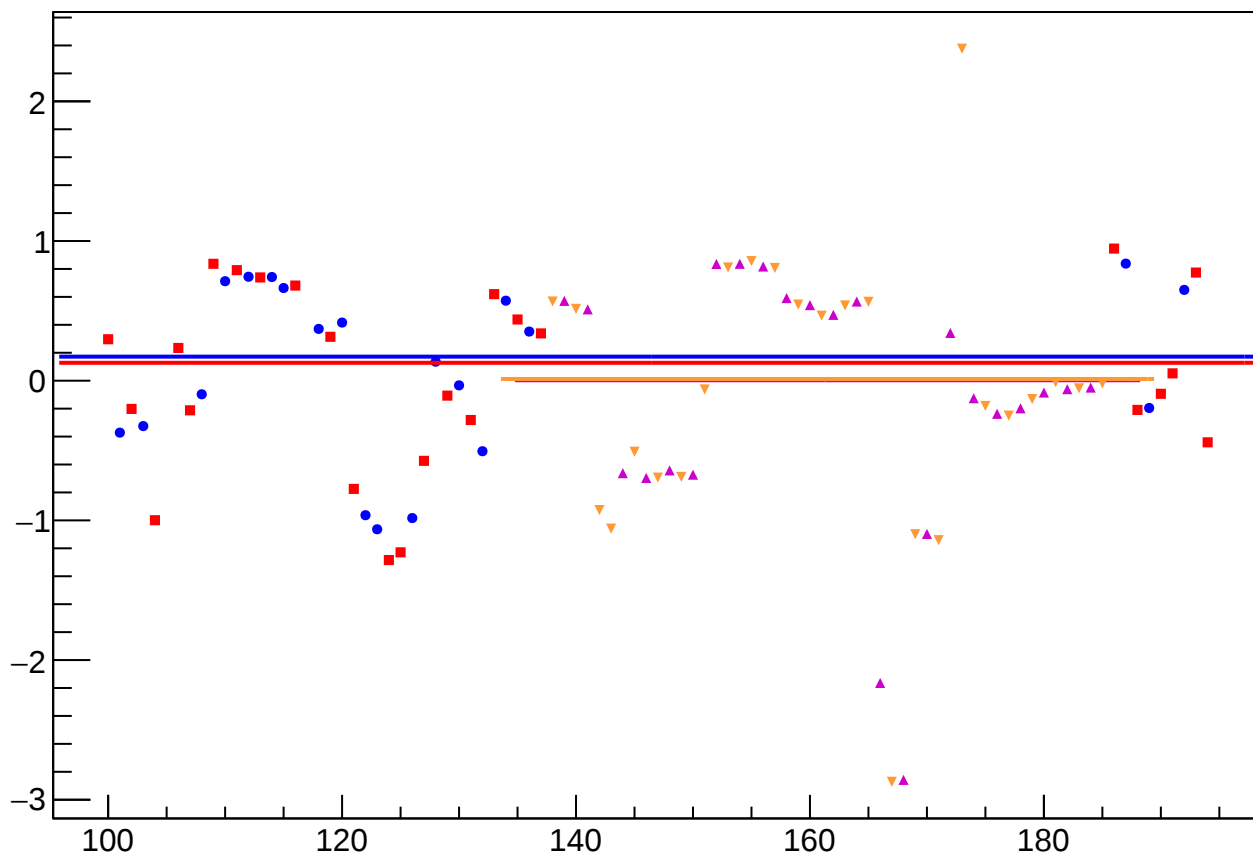
Left In: 0.014+/-0.000 χ^2/NDF : 768161.9/22

+ sign 0.014+/-0.000 χ^2/NDF : 1759381.6/44

All: 0.014+/-0.000 χ^2/NDF : 4646706.2/92

- sign 0.015+/-0.000 χ^2/NDF : 2840350.8/47

yield_bpm11Y_mean vs Slug



Right In: 0.172 $\pm$ 0.000 χ^2 /NDF: 9250542995.4/19

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 96383858927.1/24

Right Out: 0.128 $\pm$ 0.000 χ^2 /NDF: 18031170260.1/24

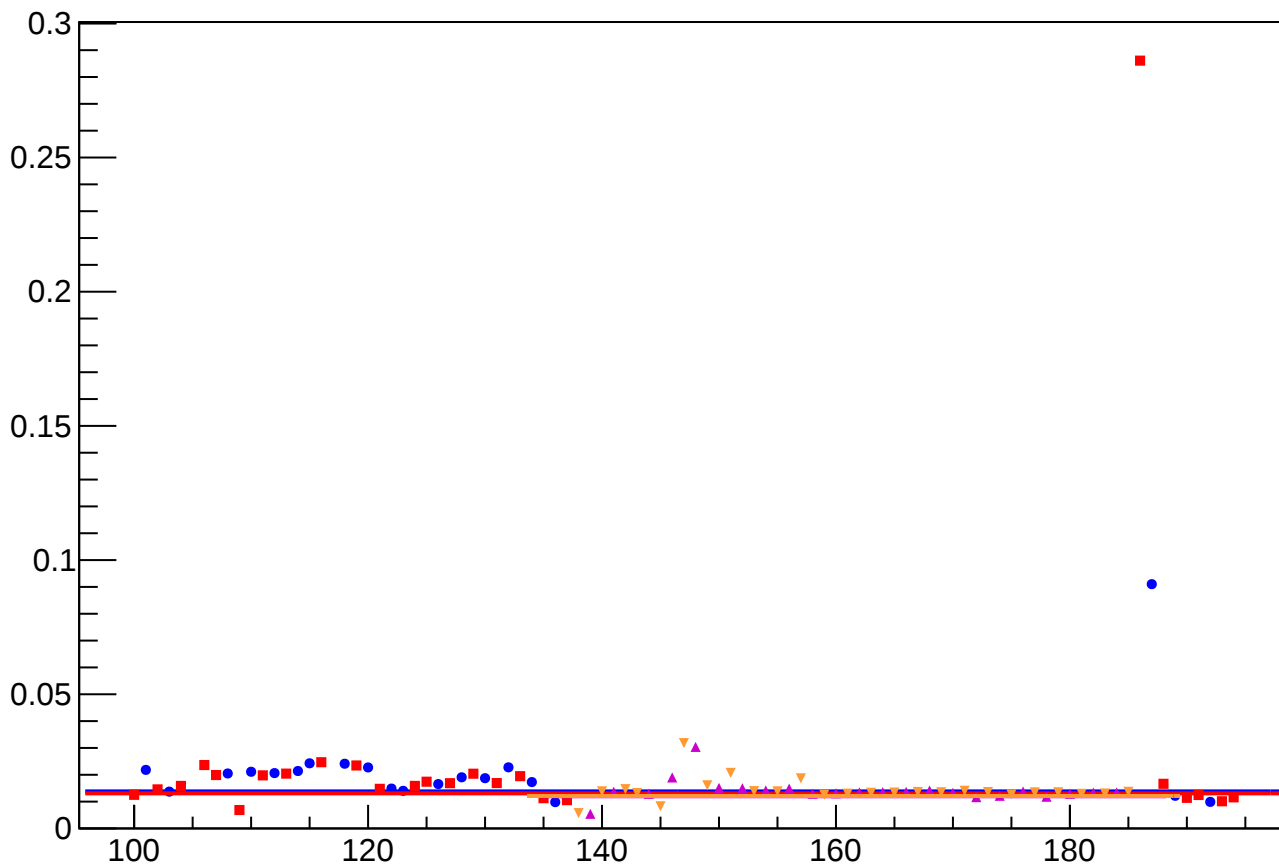
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 78826489573.0/22

+ sign 0.051 $\pm$ 0.000 χ^2 /NDF: 106316102568.4/44

All: 0.047 $\pm$ 0.000 χ^2 /NDF: 203693721436.3

- sign 0.042 $\pm$ 0.000 χ^2 /NDF: 97371601170.7/47

yield_bpm11Y_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1778830.9/19

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3105238.9/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2456137.1/24

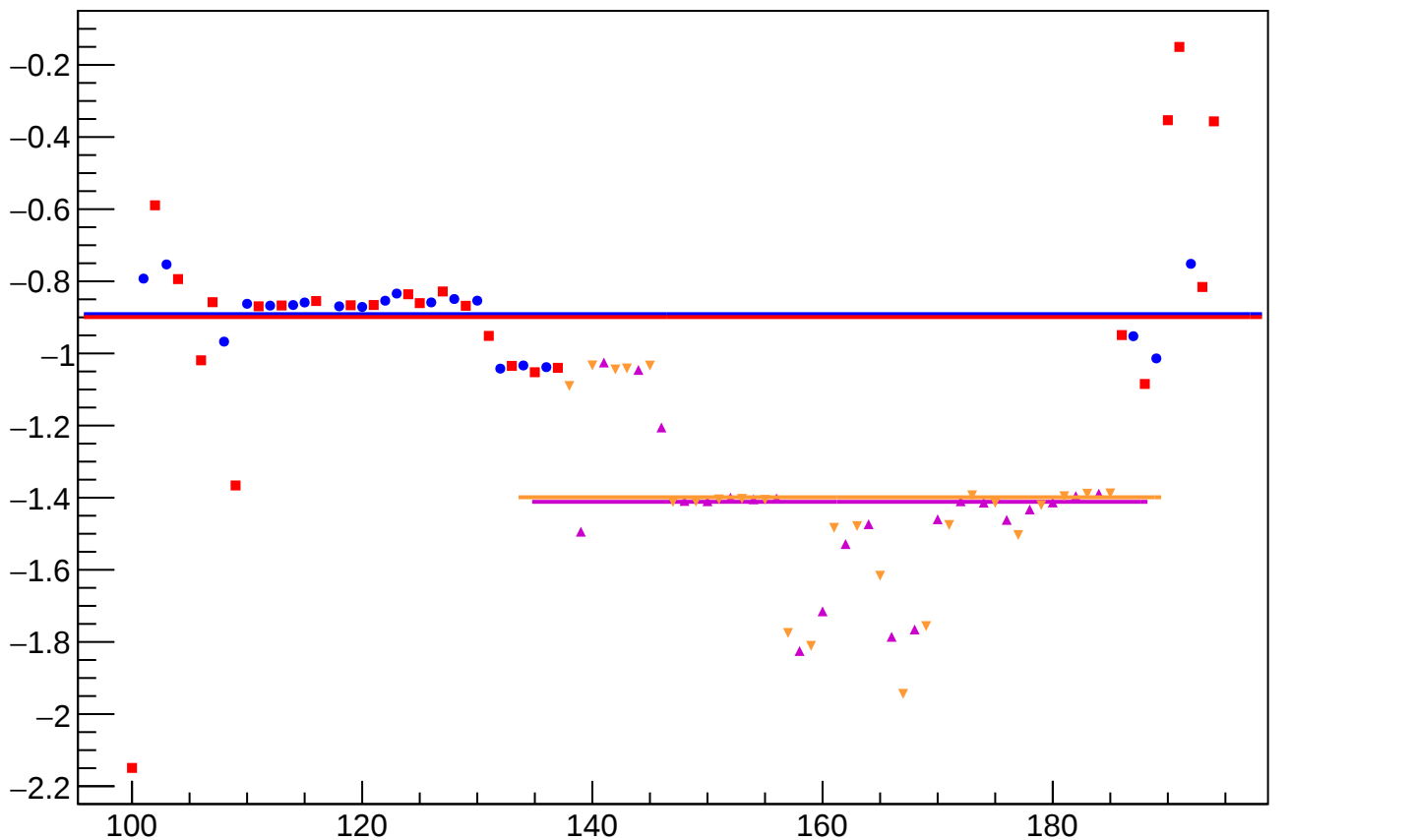
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3003502.9/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 5039309.3/44

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 10579993.3/92

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5535407.1/47

yield_bpm12X_mean vs Slug



Right In: -0.891 ± 0.000 $\chi^2/\text{NDF}: 45177284.3/19$

Left Out: -1.399 ± 0.000 $\chi^2/\text{NDF}: 738251911.1/24$

Right Out: -0.899 ± 0.000 $\chi^2/\text{NDF}: 242358659.4/24$

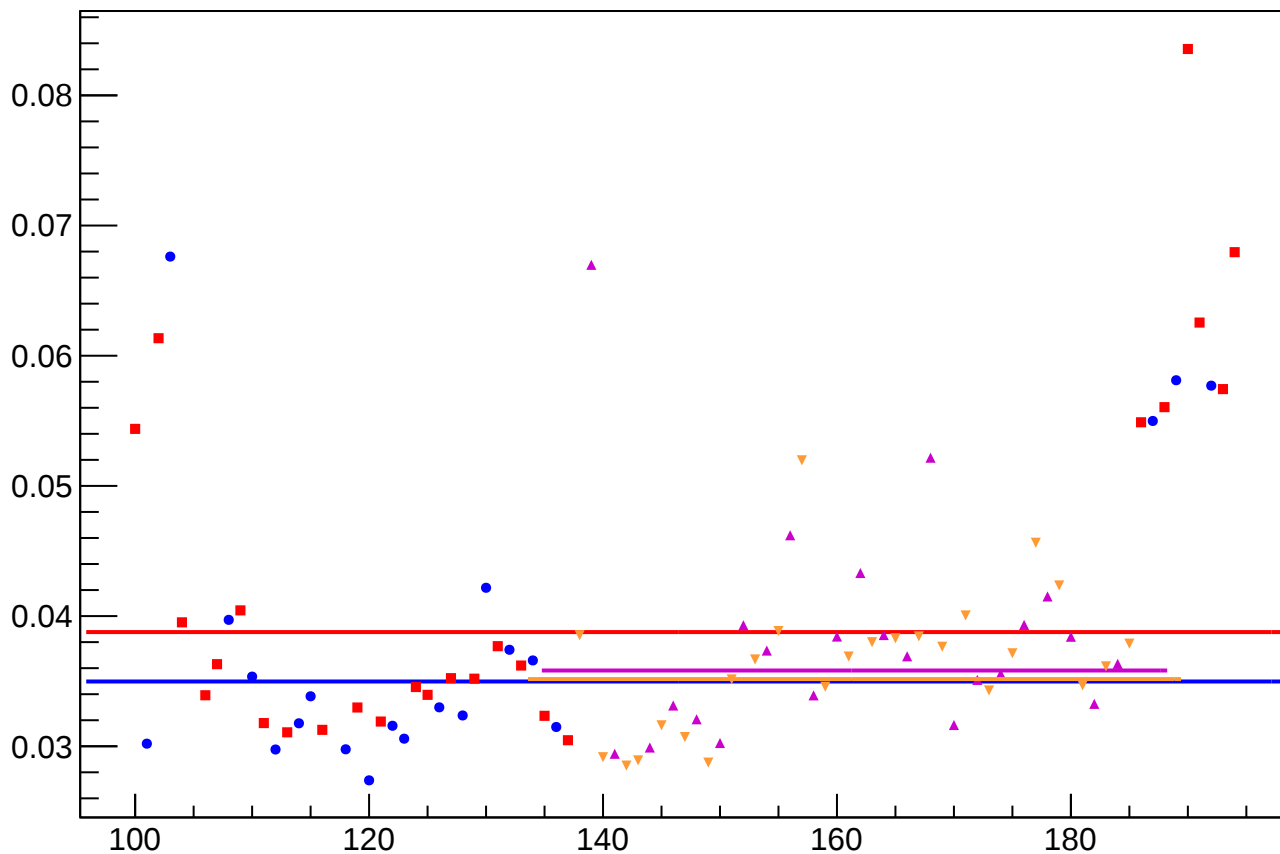
Left In: -1.411 ± 0.000 $\chi^2/\text{NDF}: 512547995.0/22$

+ sign -1.242 ± 0.000 $\chi^2/\text{NDF}: 1815509272.4/44$

All: -1.242 ± 0.000 $\chi^2/\text{NDF}: 3608312741.2/9$

- sign -1.241 ± 0.000 $\chi^2/\text{NDF}: 1792797779.5/47$

yield_bpm12X_rms vs Slug



Right In: 0.035+/-0.000 χ^2/NDF : 903225.0/19

Left Out: 0.035+/-0.000 χ^2/NDF : 595219.5/24

Right Out: 0.039+/-0.000 χ^2/NDF : 1363201.6/24

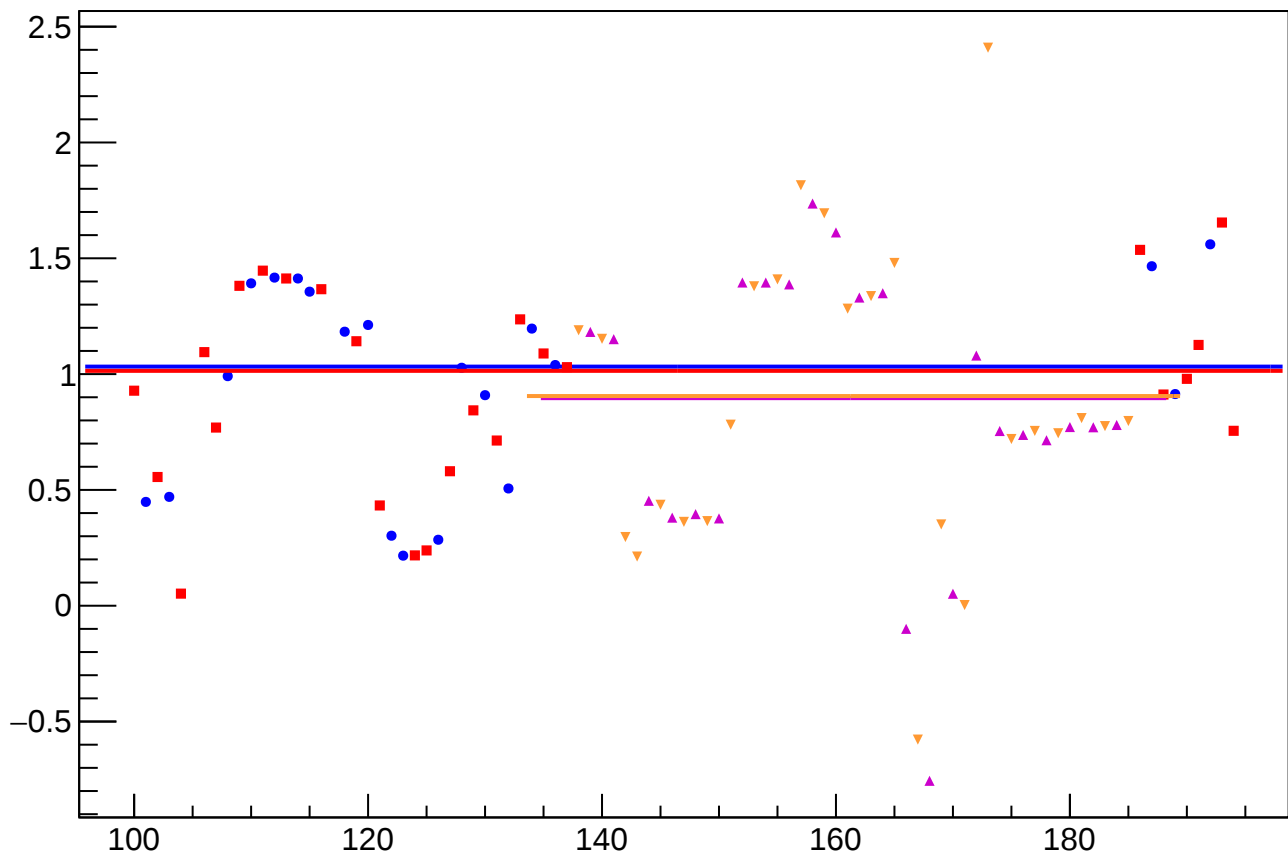
Left In: 0.036+/-0.000 χ^2/NDF : 864147.6/22

+ sign 0.035+/-0.000 χ^2/NDF : 1498720.4/44

All: 0.036+/-0.000 χ^2/NDF : 3847601.0/92

- sign 0.037+/-0.000 χ^2/NDF : 2296246.7/47

yield_bpm12Y_mean vs Slug



Right In: 1.032 $\pm$ 0.000 χ^2 /NDF: 12423900897.8/19

Left Out: 0.905 $\pm$ 0.000 χ^2 /NDF: 84265726513.8/24

Right Out: 1.014 $\pm$ 0.000 χ^2 /NDF: 16560732519.0/24

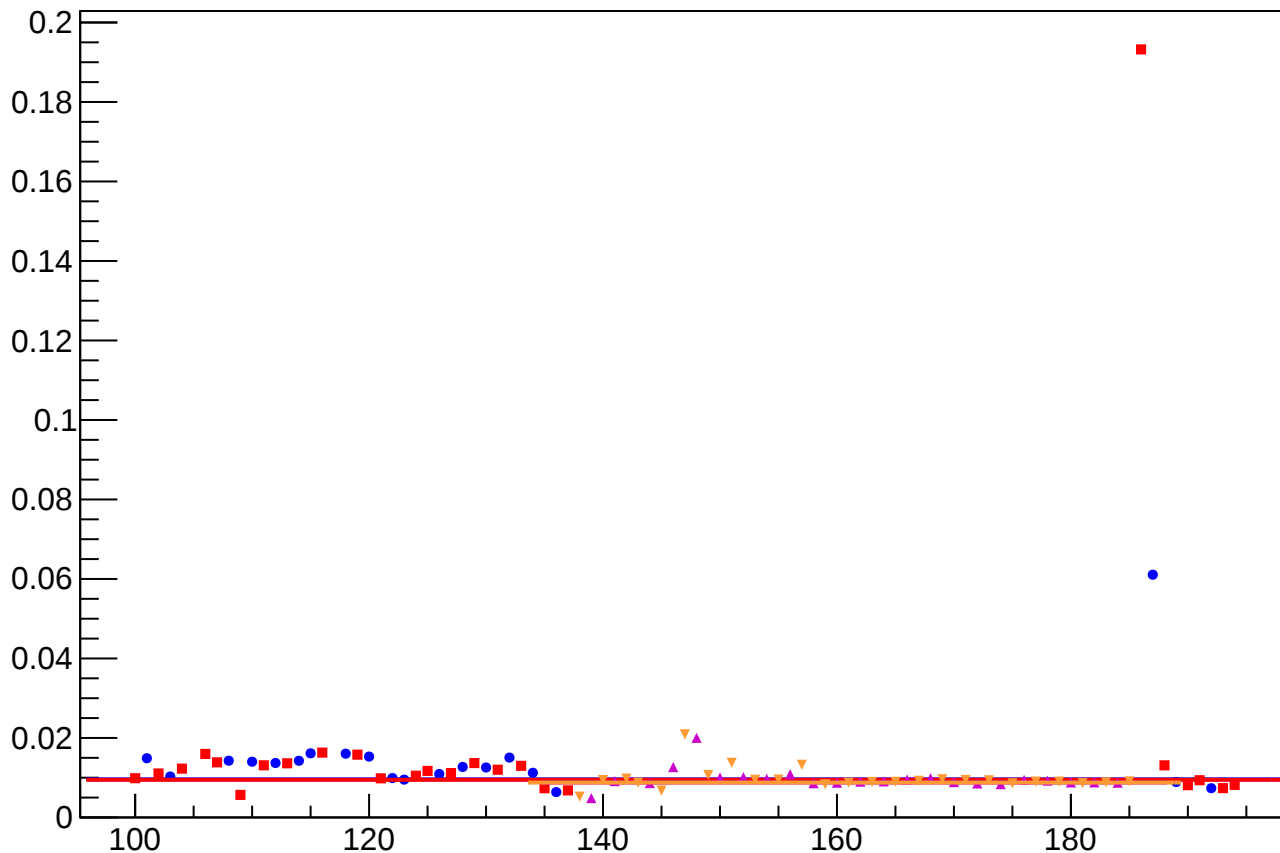
Left In: 0.896 $\pm$ 0.000 χ^2 /NDF: 66594200889.6/22

+ sign 0.937 $\pm$ 0.000 χ^2 /NDF: 97581165139.8/44

All: 0.935 $\pm$ 0.000 χ^2 /NDF: 181633353188.8

- sign 0.933 $\pm$ 0.000 χ^2 /NDF: 84049752085.8/47

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1651388.3/19

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1697568.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 2123813.5/24

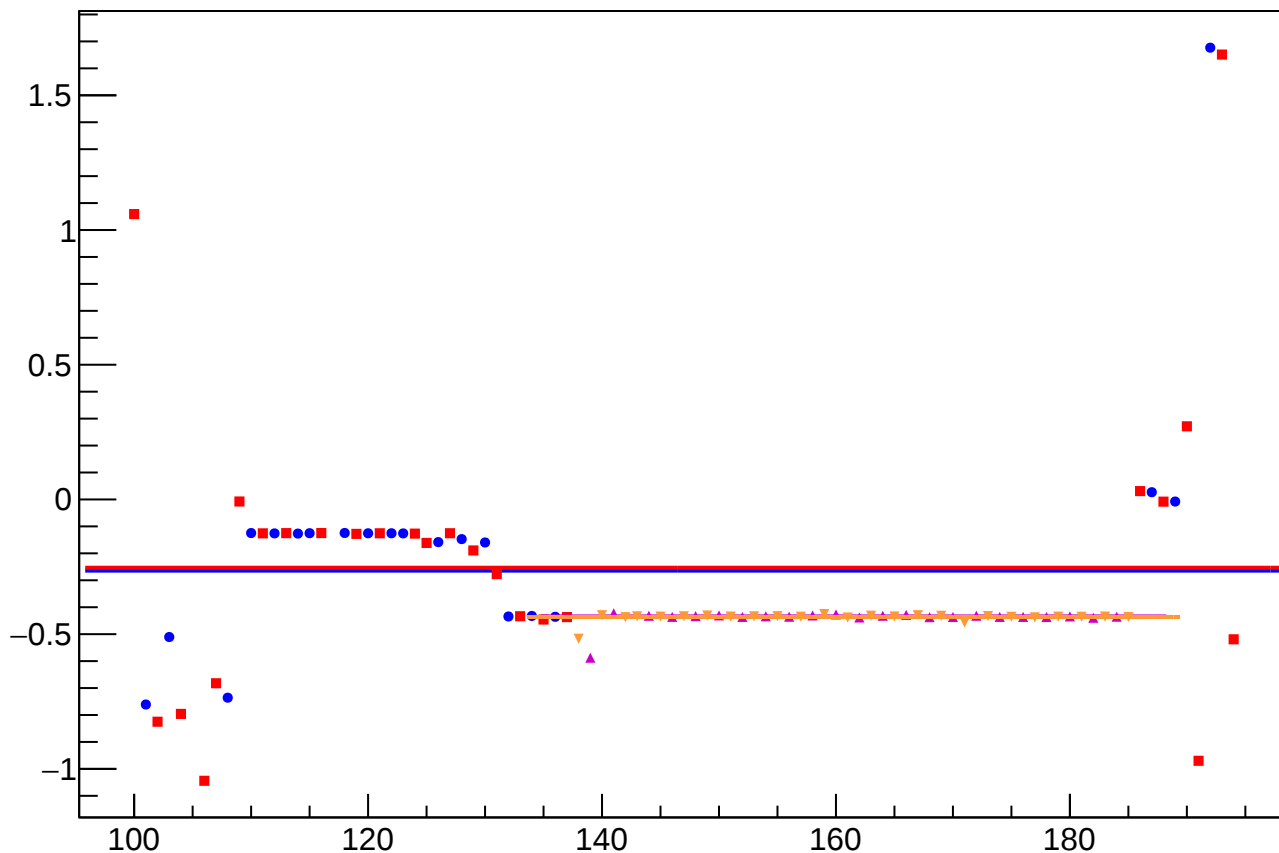
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1607939.0/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3421247.2/44

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 7216840.5/92

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3795555.1/47

yield_bpm16X_mean vs Slug



Right In: -0.264 ± 0.000 χ^2/NDF : 1859749252.1/19

Left Out: -0.436 ± 0.000 χ^2/NDF : 28774660.0/24

+ sign -0.407 ± 0.000 χ^2/NDF : 2689646508.1/44

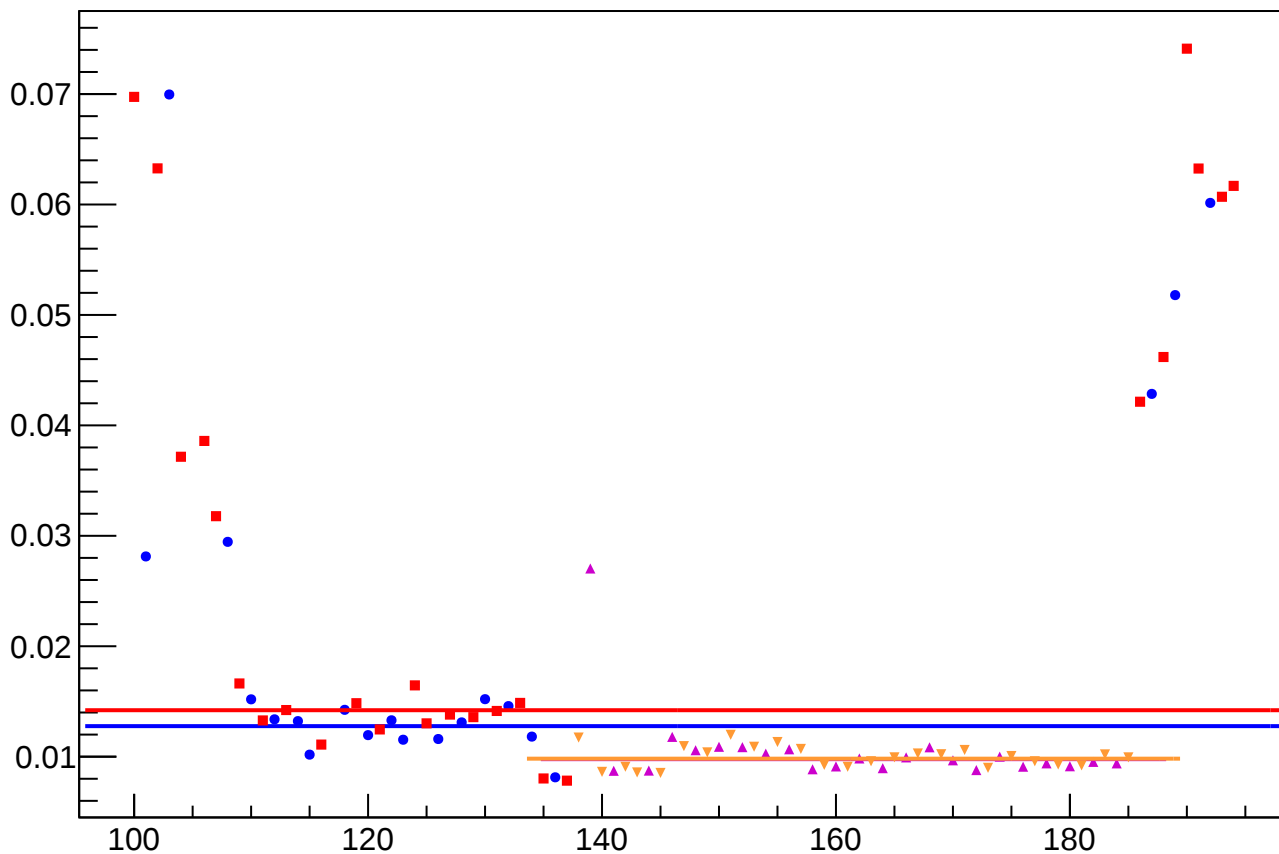
Right Out: -0.253 ± 0.000 χ^2/NDF : 1764013666.4/24

All: -0.406 ± 0.000 χ^2/NDF : 5317705924.3/9

- sign -0.404 ± 0.000 χ^2/NDF : 2626616341.9/47

Left In: -0.434 ± 0.000 χ^2/NDF : 23984173.0/22

yield_bpm16X_rms vs Slug



Right In: 0.013 ± 0.000 χ^2/NDF : 3492676.1/19

Left Out: 0.010 ± 0.000 χ^2/NDF : 269242.6/24

Right Out: 0.014 ± 0.000 χ^2/NDF : 5755211.0/24

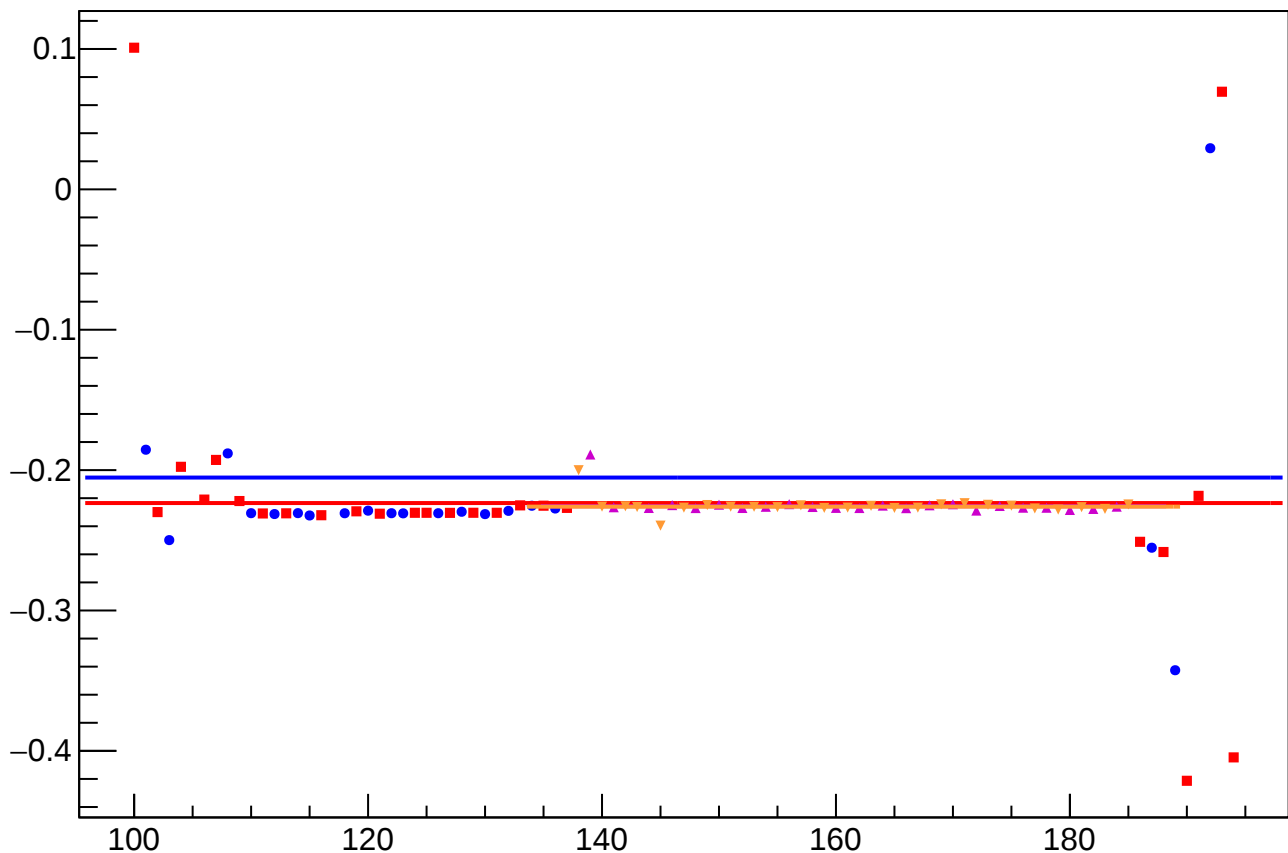
Left In: 0.010 ± 0.000 χ^2/NDF : 747550.0/22

+ sign 0.010 ± 0.000 χ^2/NDF : 4231485.3/44

All: 0.010 ± 0.000 χ^2/NDF : 11752748.7/92

- sign 0.011 ± 0.000 χ^2/NDF : 7512851.2/47

yield_bpm16Y_mean vs Slug



Right In: -0.205+/-0.000 χ^2/NDF : 1875660684.7/19

Left Out: -0.226+/-0.000 χ^2/NDF : 21205667.4/24

Right Out: -0.223+/-0.000 χ^2/NDF : 3222527695.5/24

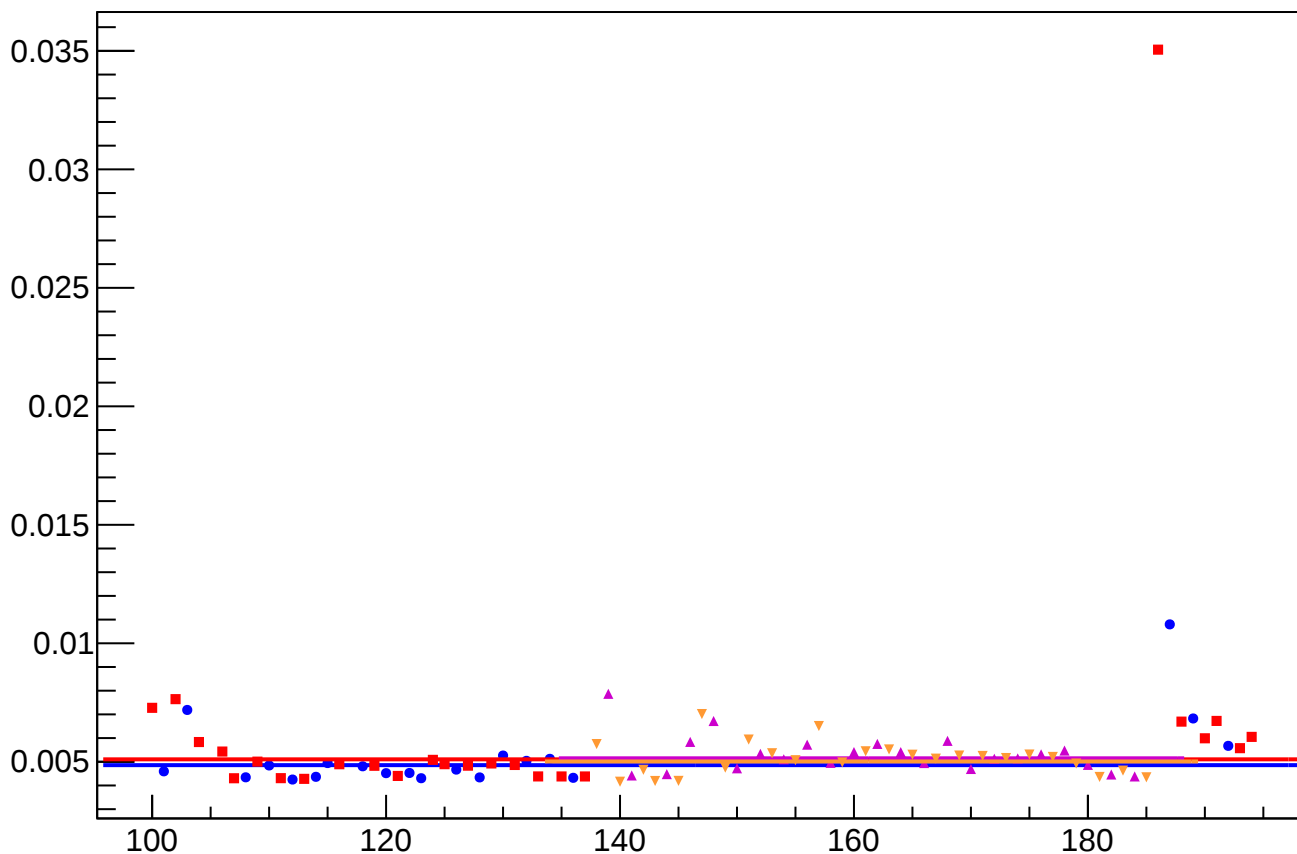
Left In: -0.226+/-0.000 χ^2/NDF : 15245251.1/22

+ sign -0.220+/-0.000 χ^2/NDF : 1989153062.1/44

All: -0.222+/-0.000 χ^2/NDF : 5242287484.3/9

- sign -0.225+/-0.000 χ^2/NDF : 3238925129.7/47

yield_bpm16Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 394133.5/19

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:530632.6/24

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 1009390.2/24

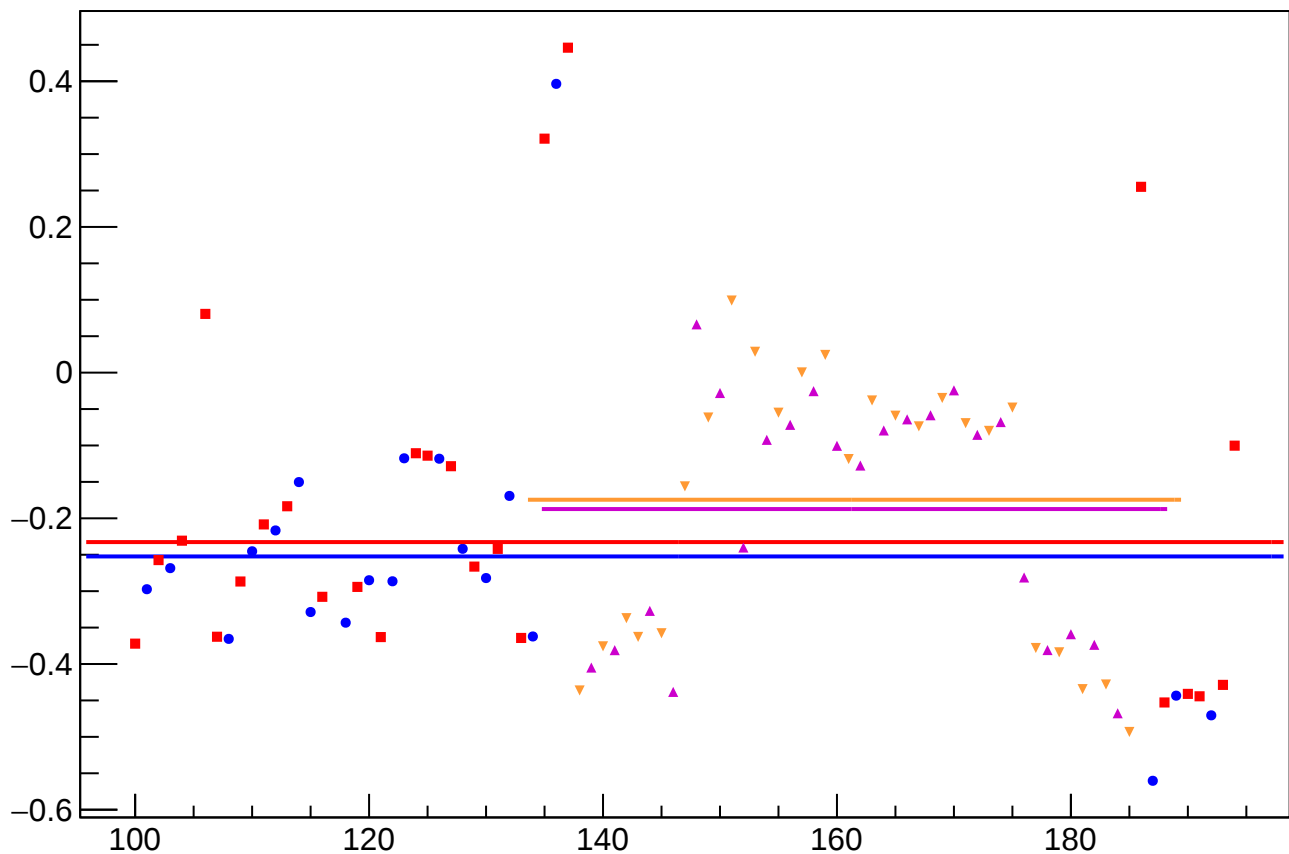
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:493107.7/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 935178.4/44

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 2465566.1/92

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 1503342.1/47

yield_bpm0i02X_mean vs Slug



Right In: -0.252 ± 0.000 χ^2/NDF : 7956139675.2/19

Left Out: -0.174 ± 0.000 χ^2/NDF : 18025533236.1/24

Right Out: -0.233 ± 0.000 χ^2/NDF : 9426365107.8/24

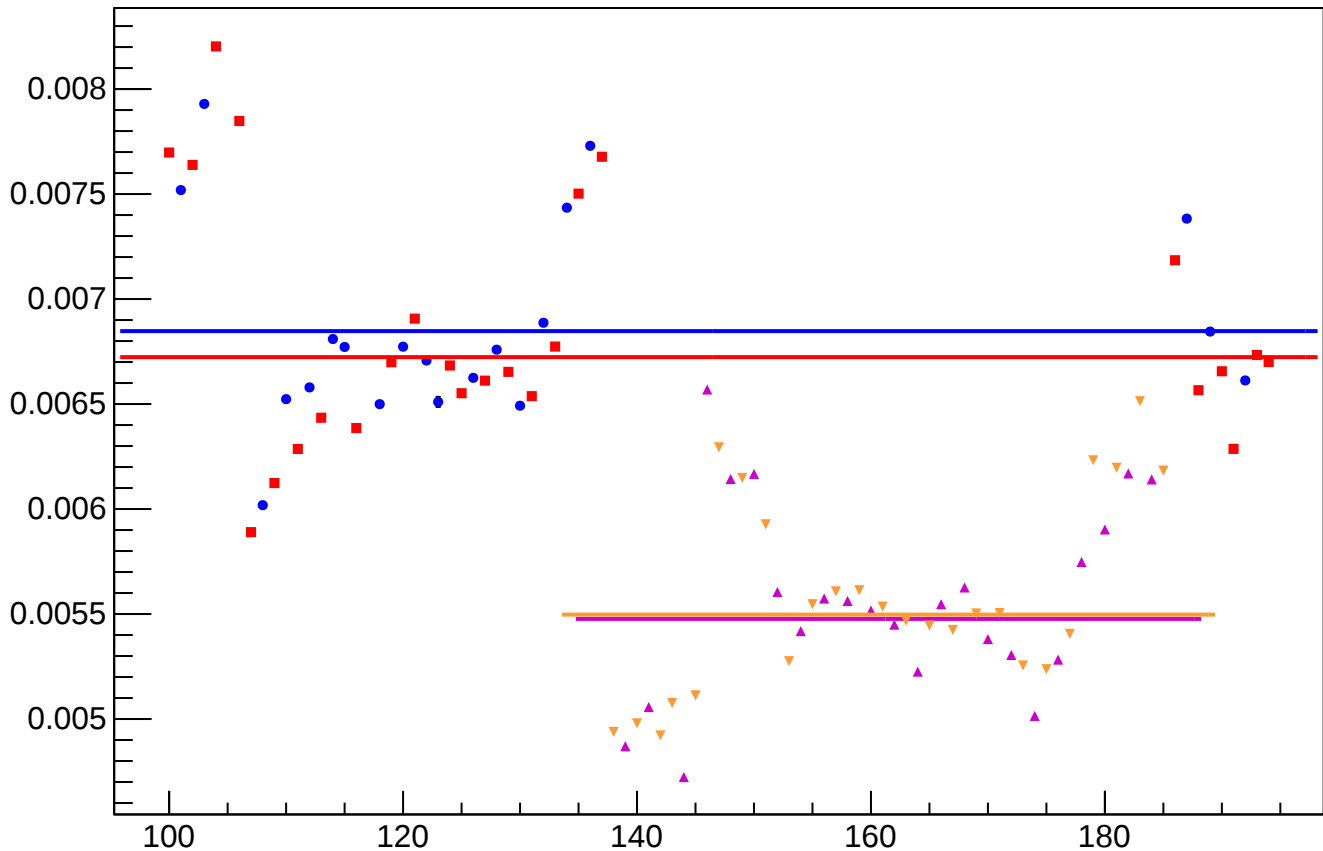
Left In: -0.187 ± 0.000 χ^2/NDF : 12816646575.4/22

+ sign -0.192 ± 0.000 χ^2/NDF : 26784654233.4/44

All: -0.197 ± 0.000 χ^2/NDF : 49383299663.7/47

- sign -0.201 ± 0.000 χ^2/NDF : 22572810624.4/47

yield_bpm0i02X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 82682.5/19

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:198746.4/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 112262.1/24

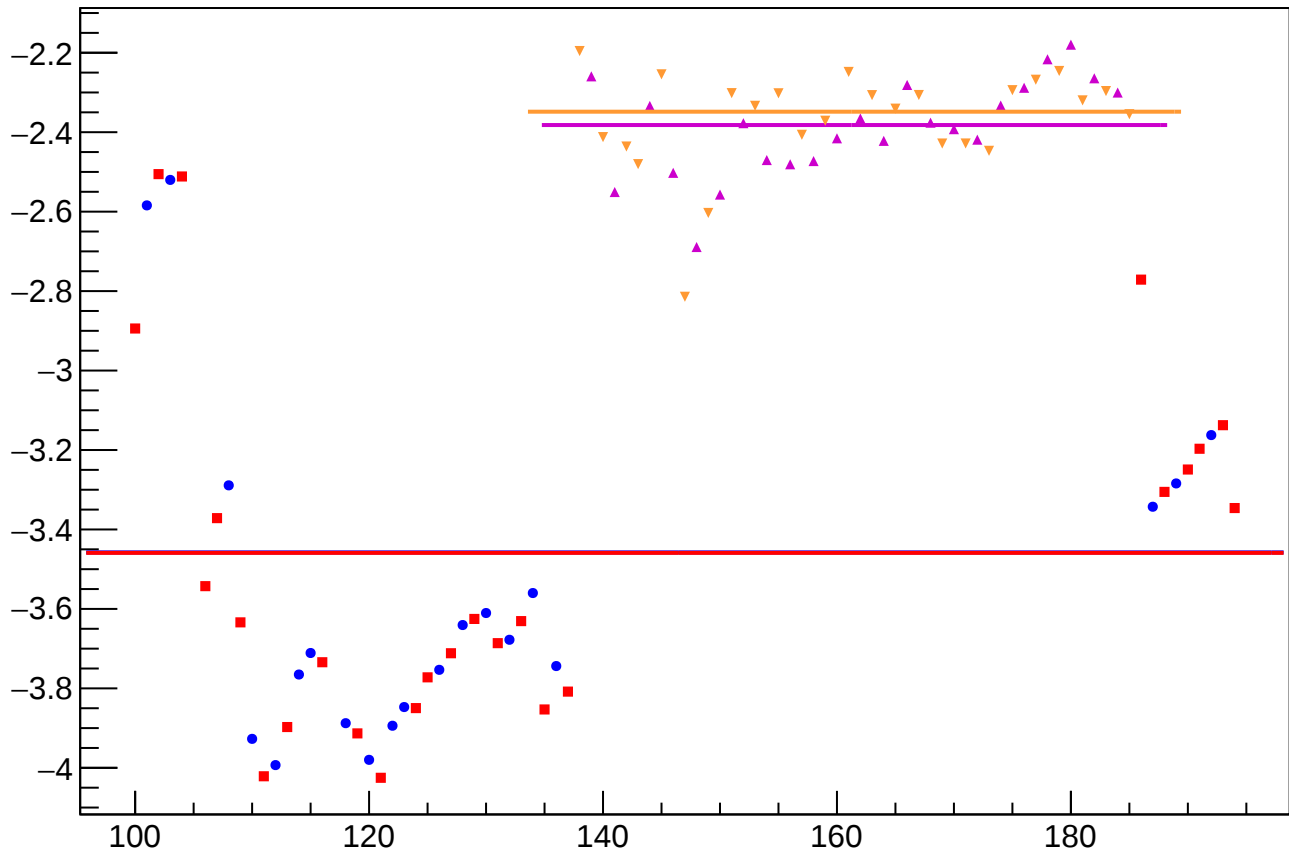
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:202181.4/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 764471.2/44

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 1578532.9/92

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 813110.1/47

yield_bpm0i02Y_mean vs Slug



Right In: -3.458+/-0.000 χ^2/NDF : 27878373977.6/19

Left Out: -2.348+/-0.000 χ^2/NDF : 2158686333.4/24

Right Out: -3.459+/-0.000 χ^2/NDF : 29151012249.3/24

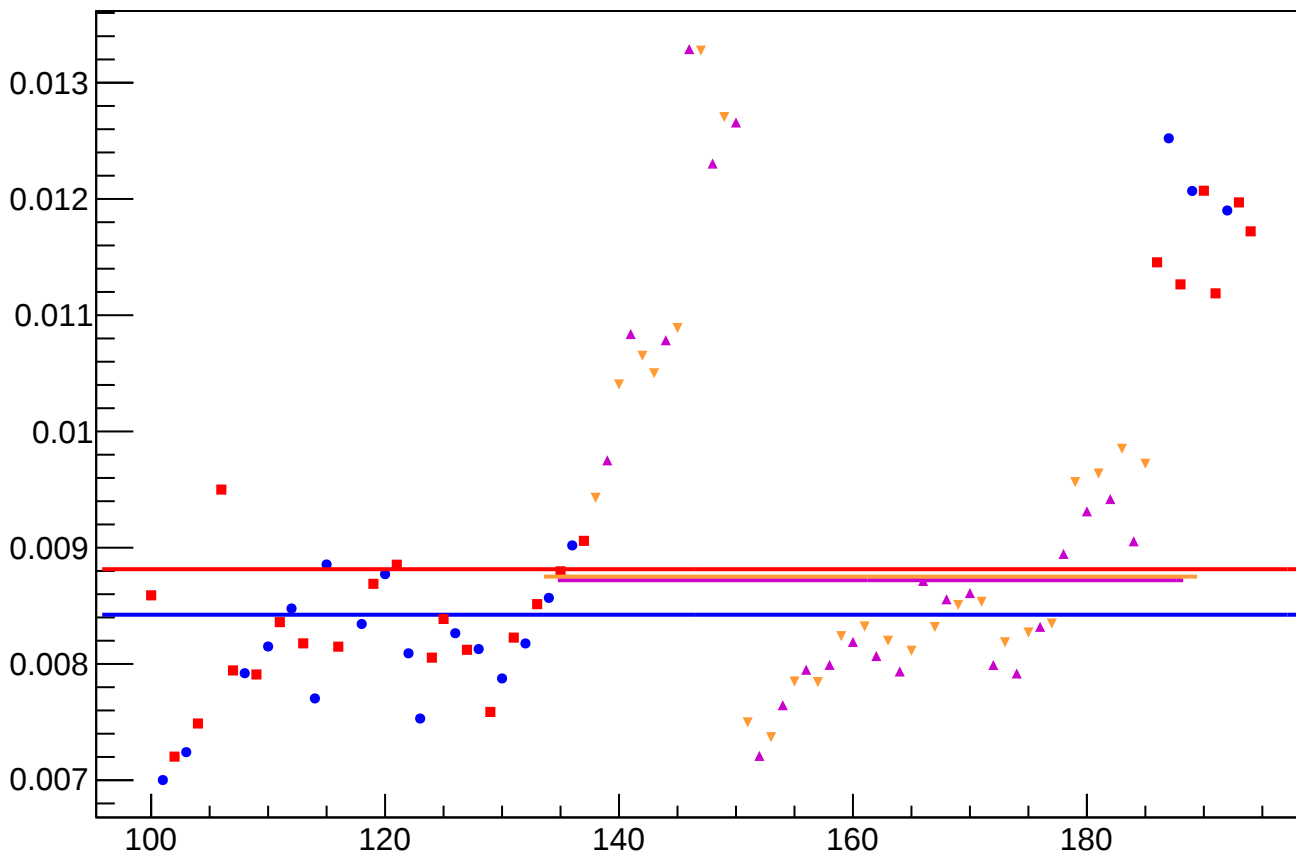
Left In: -2.382+/-0.000 χ^2/NDF : 2318395228.4/22

+ sign -2.714+/-0.000 χ^2/NDF : 121251763142.0/44

All: -2.749+/-0.000 χ^2/NDF : 246022195694.5

- sign -2.784+/-0.000 χ^2/NDF : 123931422460.4/47

yield_bpm0i02Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 369928.1/19

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:663672.8/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 549472.4/24

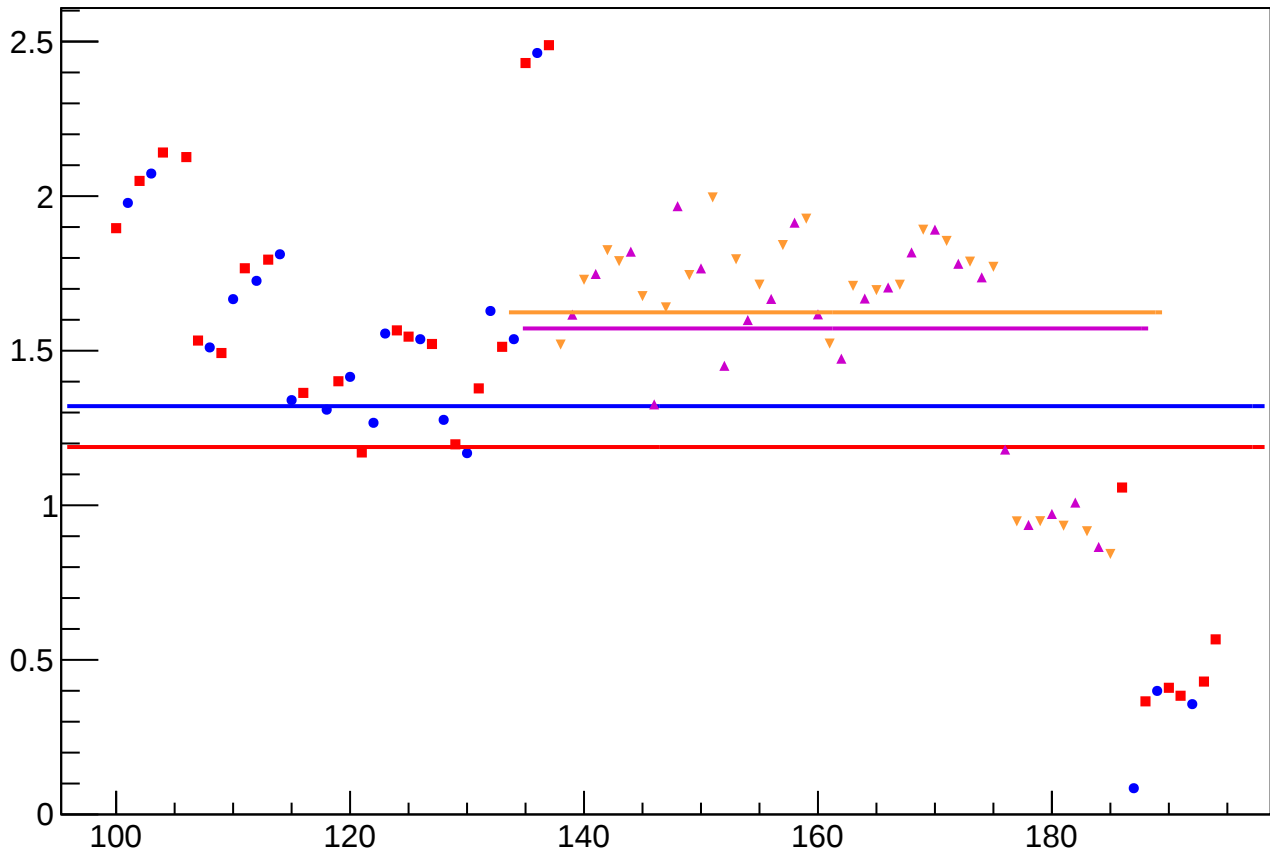
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:747867.0/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 1049547.3/44

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 2352582.1/92

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 1298760.7/47

yield_bpm0i02aX_mean vs Slug



Right In: 1.321+/-0.000 χ^2/NDF : 24429412728.5/19

Left Out: 1.624+/-0.000 χ^2/NDF : 16631112386.4/24

Right Out: 1.188+/-0.000 χ^2/NDF : 31662166177.7/24

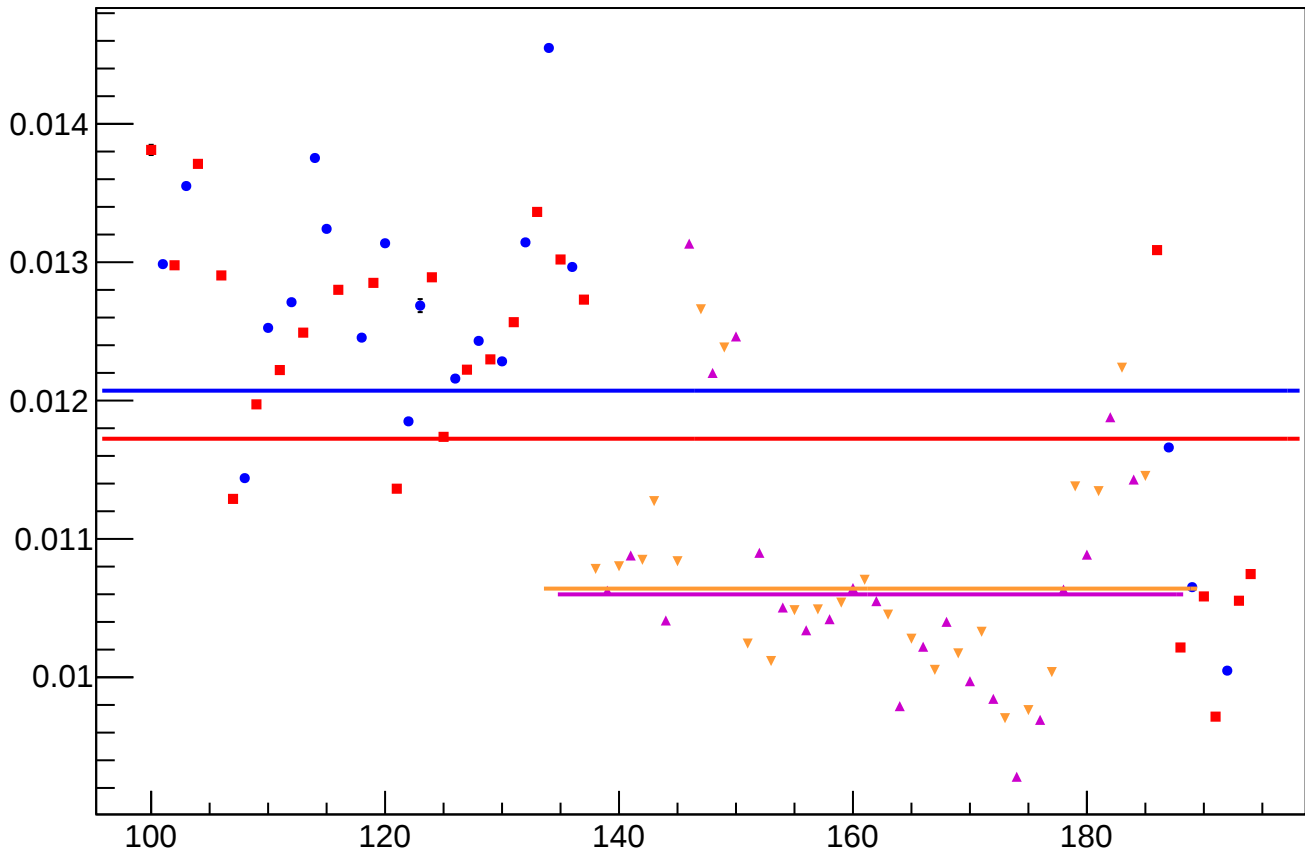
Left In: 1.572+/-0.000 χ^2/NDF : 14230484809.4/22

+ sign 1.545+/-0.000 χ^2/NDF : 44795101490.7/44

All: 1.493+/-0.000 χ^2/NDF : 99041390567.9/99

- sign 1.444+/-0.000 χ^2/NDF : 53140601301.6/47

yield_bpm0i02aX_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 150621.9/19

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:159760.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 195257.2/24

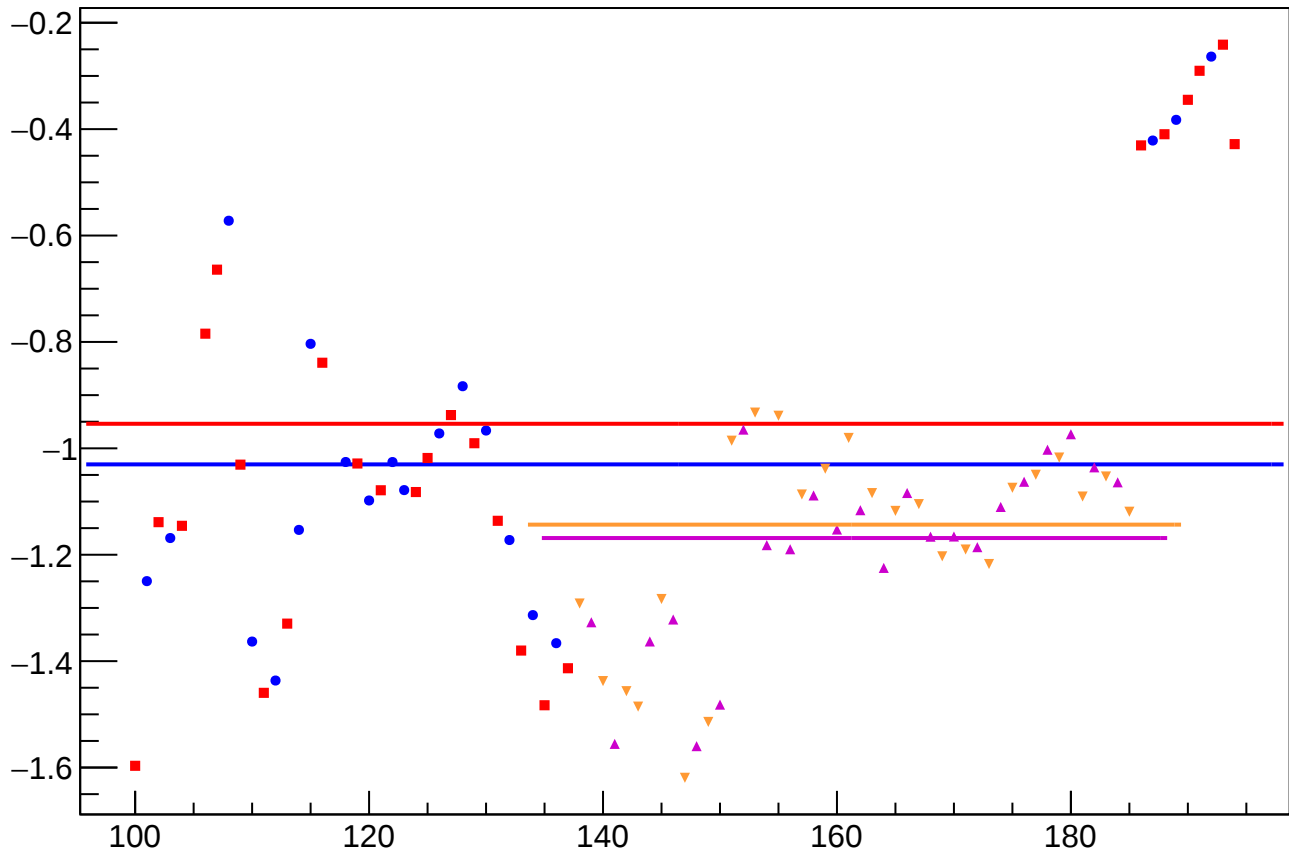
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:204531.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 476451.0/44

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 1001285.9/92

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 524514.5/47

yield_bpm0i02aY_mean vs Slug



Right In: -1.030 ± 0.000 $\chi^2/\text{NDF}: 10067525370.9/19$

Left Out: -1.143 ± 0.000 $\chi^2/\text{NDF}: 7976364534.0/24$

Right Out: -0.954 ± 0.000 $\chi^2/\text{NDF}: 15551283877.1/24$

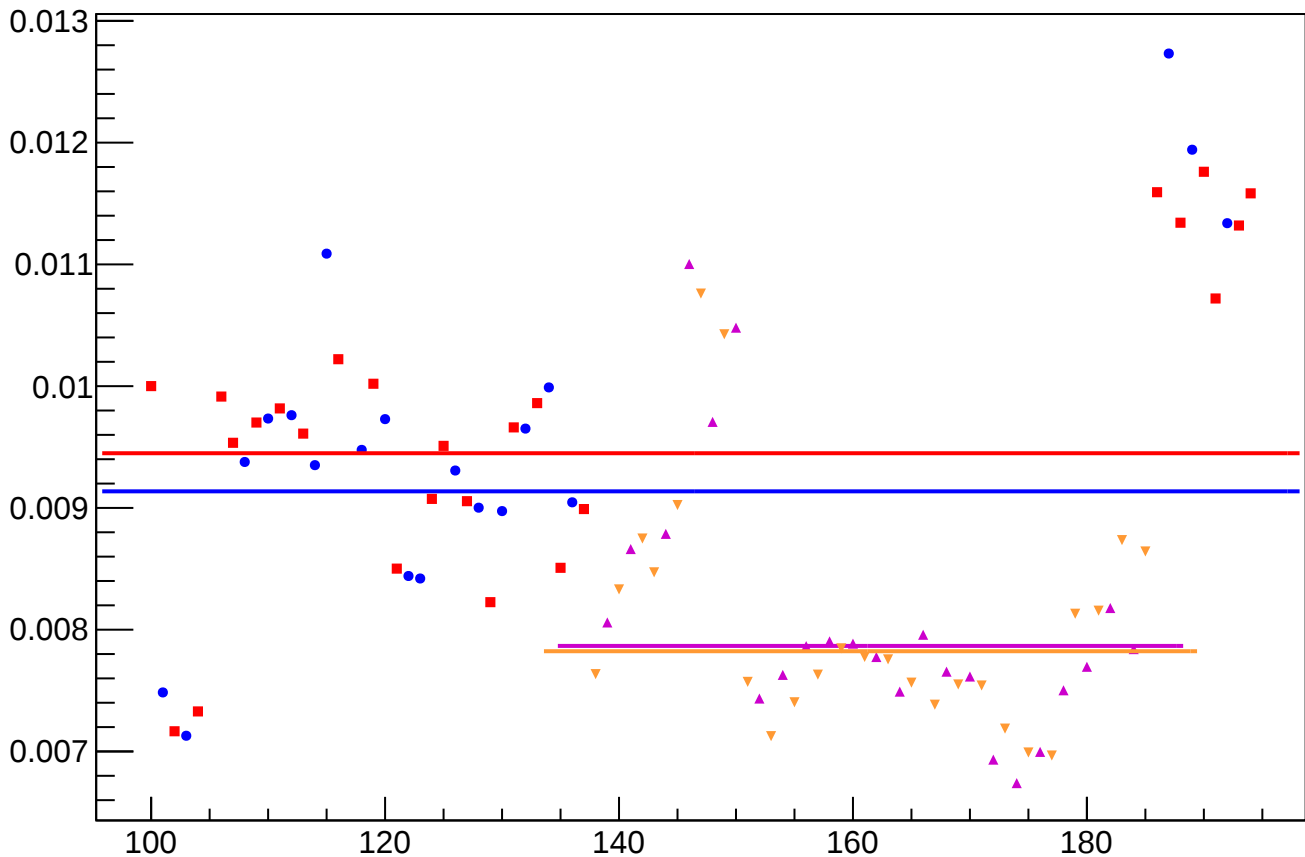
Left In: -1.169 ± 0.000 $\chi^2/\text{NDF}: 6362643368.6/22$

+ sign -1.115 ± 0.000 $\chi^2/\text{NDF}: 18939780173.9/44$

All: -1.110 ± 0.000 $\chi^2/\text{NDF}: 44447406126.7/47$

- sign -1.105 ± 0.000 $\chi^2/\text{NDF}: 25488780824.5/47$

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 312142.6/19

Left Out: 0.008+/-0.000 χ^2/NDF :336387.6/24

Right Out: 0.009+/-0.000 χ^2/NDF : 436483.2/24

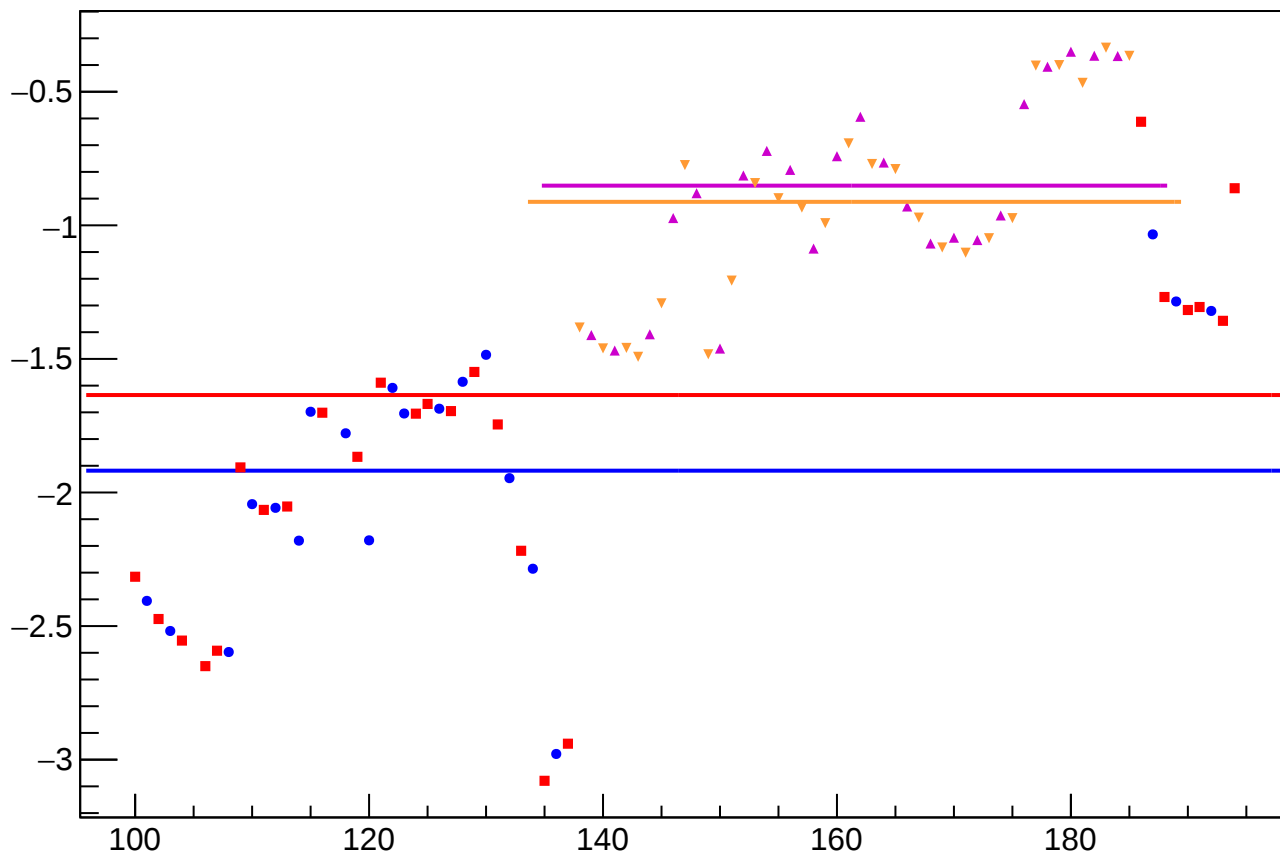
Left In: 0.008+/-0.000 χ^2/NDF :379901.3/22

+ sign 0.008+/-0.000 χ^2/NDF : 889447.9/44

All: 0.008+/-0.000 χ^2/NDF : 2106592.4/92

- sign 0.008+/-0.000 χ^2/NDF : 1204536.6/47

yield_bpm0i05X_mean vs Slug



Right In: -1.918+/-0.000 χ^2/NDF : 47778418577.0/19

Left Out: -0.912+/-0.000 χ^2/NDF : 49039425818.1/24

Right Out: -1.635+/-0.000 χ^2/NDF : 100087189447.8/24

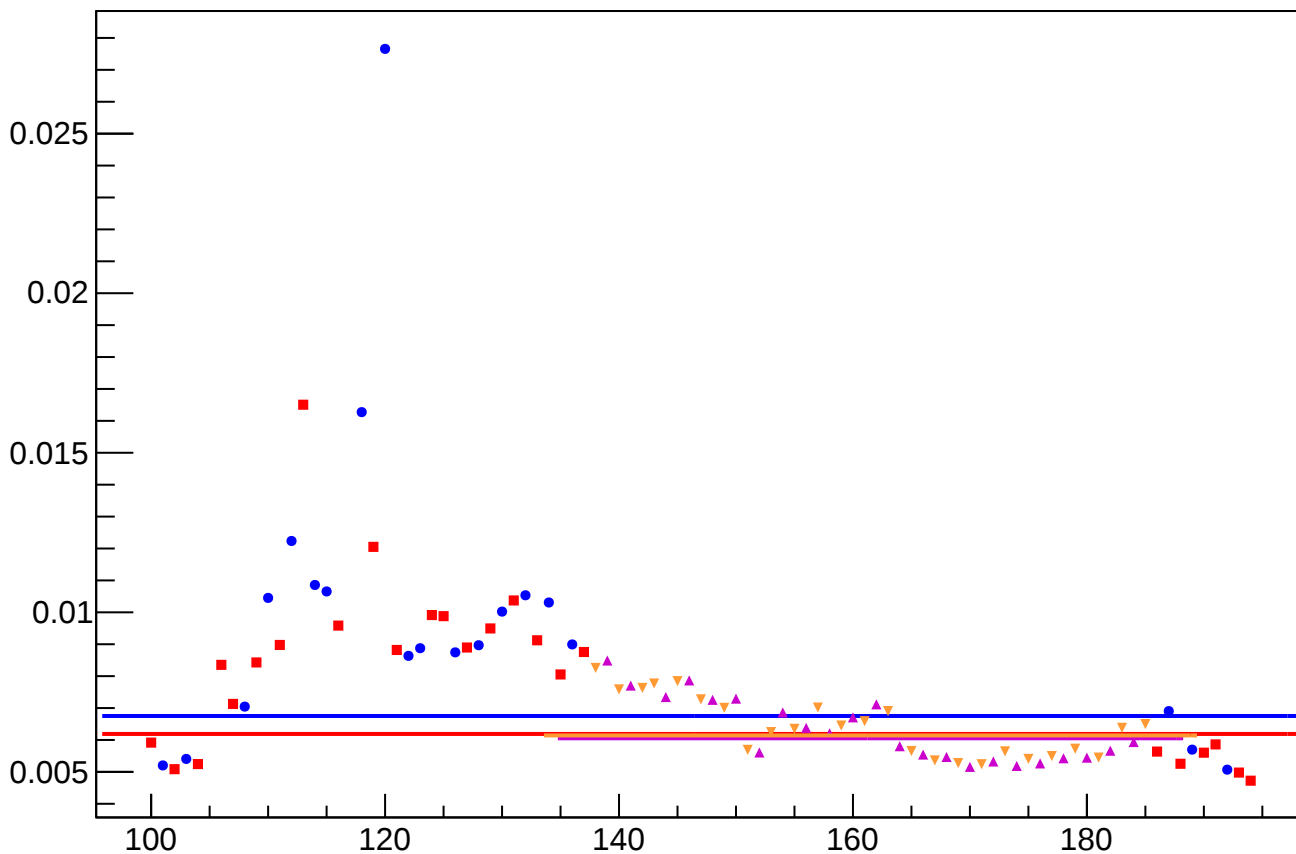
Left In: -0.851+/-0.000 χ^2/NDF : 46438446008.2/22

+ sign -1.150+/-0.000 χ^2/NDF : 203382028607.4/44

All: -1.132+/-0.000 χ^2/NDF : 440604903048.1

- sign -1.116+/-0.000 χ^2/NDF : 236877082293.2/47

yield_bpm0i05X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 1546850.6/19

Left Out: 0.006+/-0.000 χ^2/NDF : 637765.4/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1570163.2/24

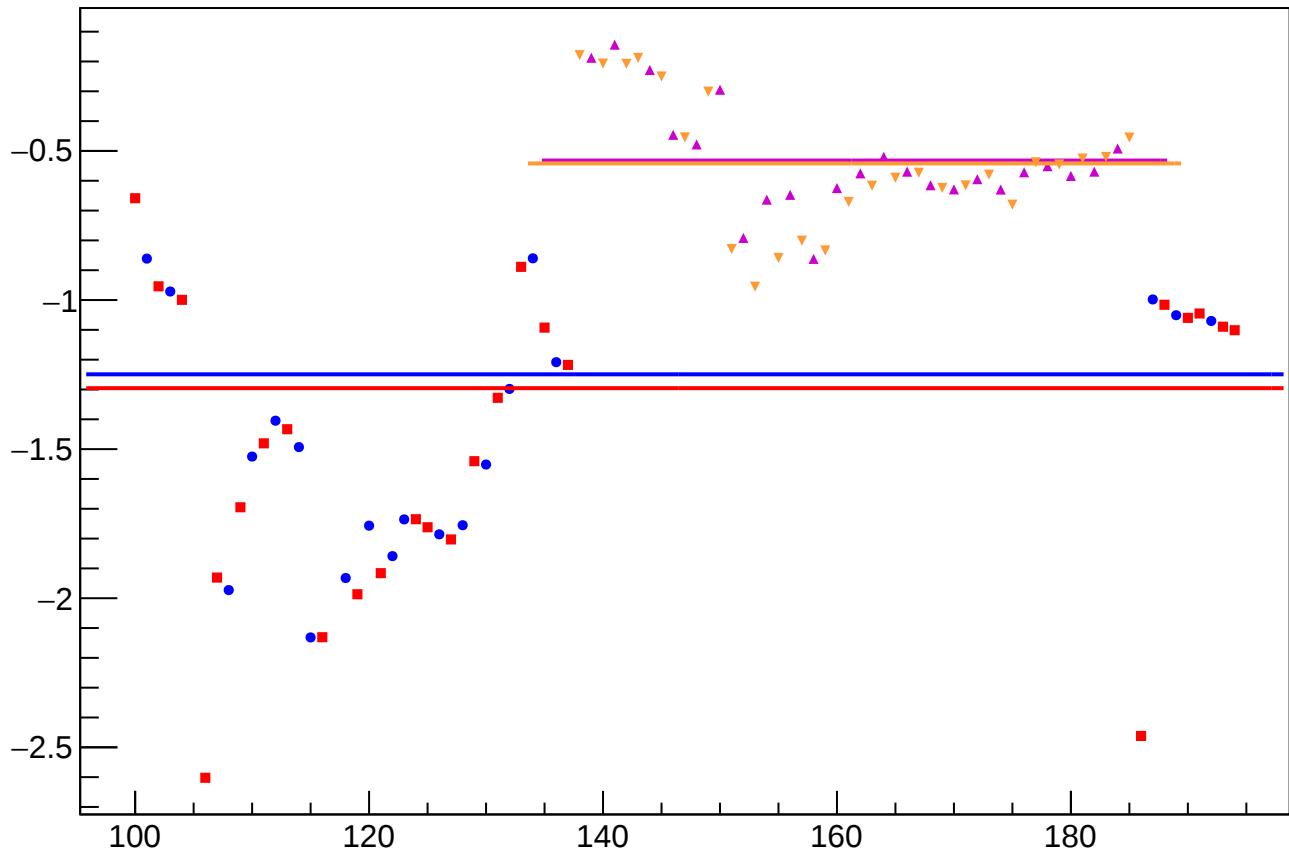
Left In: 0.006+/-0.000 χ^2/NDF : 697577.8/22

+ sign 0.006+/-0.000 χ^2/NDF : 2262781.2/44

All: 0.006+/-0.000 χ^2/NDF : 4557714.3/92

- sign 0.006+/-0.000 χ^2/NDF : 2273195.5/47

yield_bpm0i05Y_mean vs Slug



Right In: -1.249 ± 0.000 χ^2/NDF : 25305079322.4/19

Left Out: -0.542 ± 0.000 χ^2/NDF : 47268284910.3/24

Right Out: -1.296 ± 0.000 χ^2/NDF : 76840607576.6/24

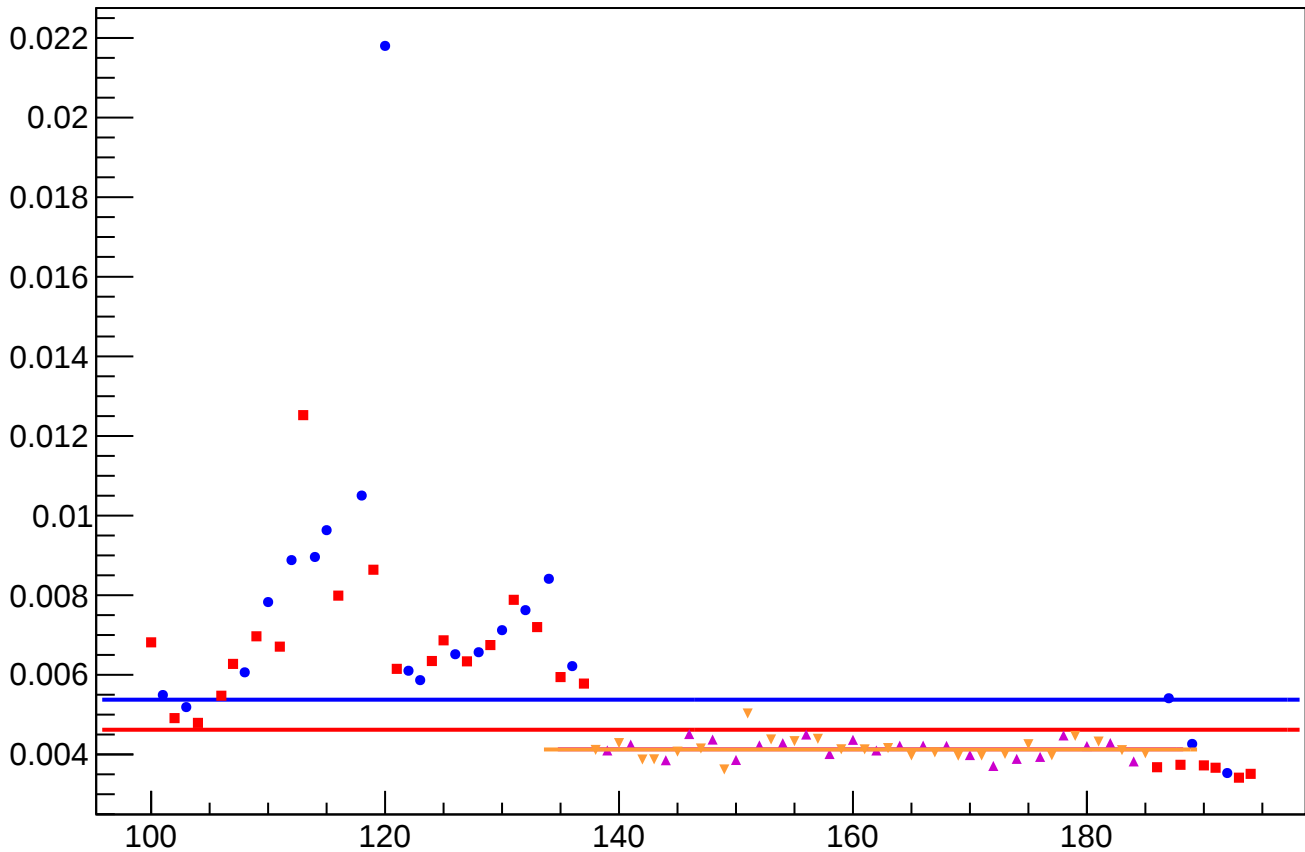
Left In: -0.532 ± 0.000 χ^2/NDF : 30715235426.8/22

+ sign -0.670 ± 0.000 χ^2/NDF : 162515429888.1/44

All: -0.715 ± 0.000 χ^2/NDF : 434478370591.0

- sign -0.756 ± 0.000 χ^2/NDF : 267330781021.4/47

yield_bpm0i05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1371466.8/19

Left Out: 0.004+/-0.000 χ^2/NDF :113033.9/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1695960.9/24

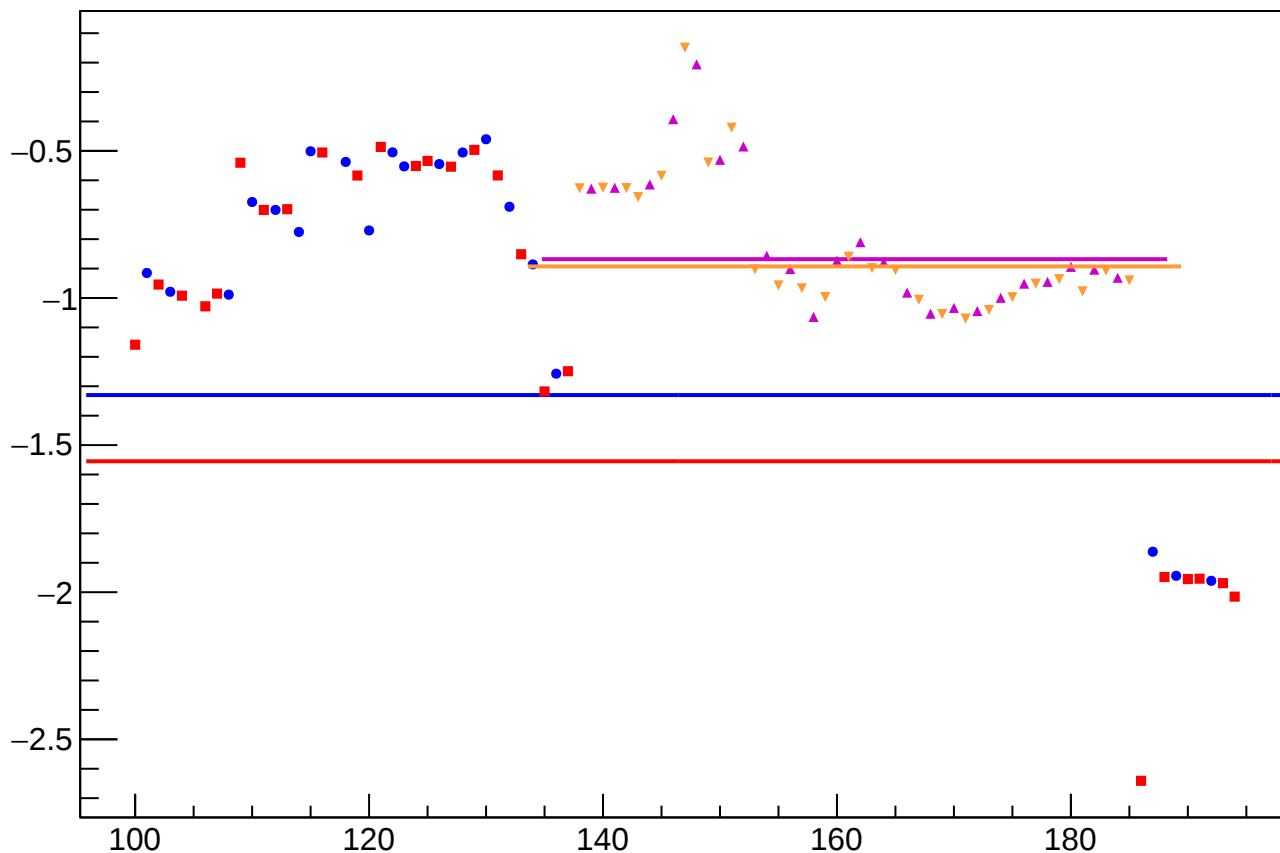
Left In: 0.004+/-0.000 χ^2/NDF :93111.2/22

+ sign 0.004+/-0.000 χ^2/NDF : 2047366.0/44

All: 0.004+/-0.000 χ^2/NDF : 3976014.7/92

- sign 0.004+/-0.000 χ^2/NDF : 1920959.8/47

yield_bpm0i07X_mean vs Slug



Right In: -1.330 ± 0.000 $\chi^2/\text{NDF}: 128239864584.2/19$

Left Out: -0.893 ± 0.000 $\chi^2/\text{NDF}: 40787012603.8/24$

Right Out: -1.555 ± 0.000 $\chi^2/\text{NDF}: 232343230798.4/24$

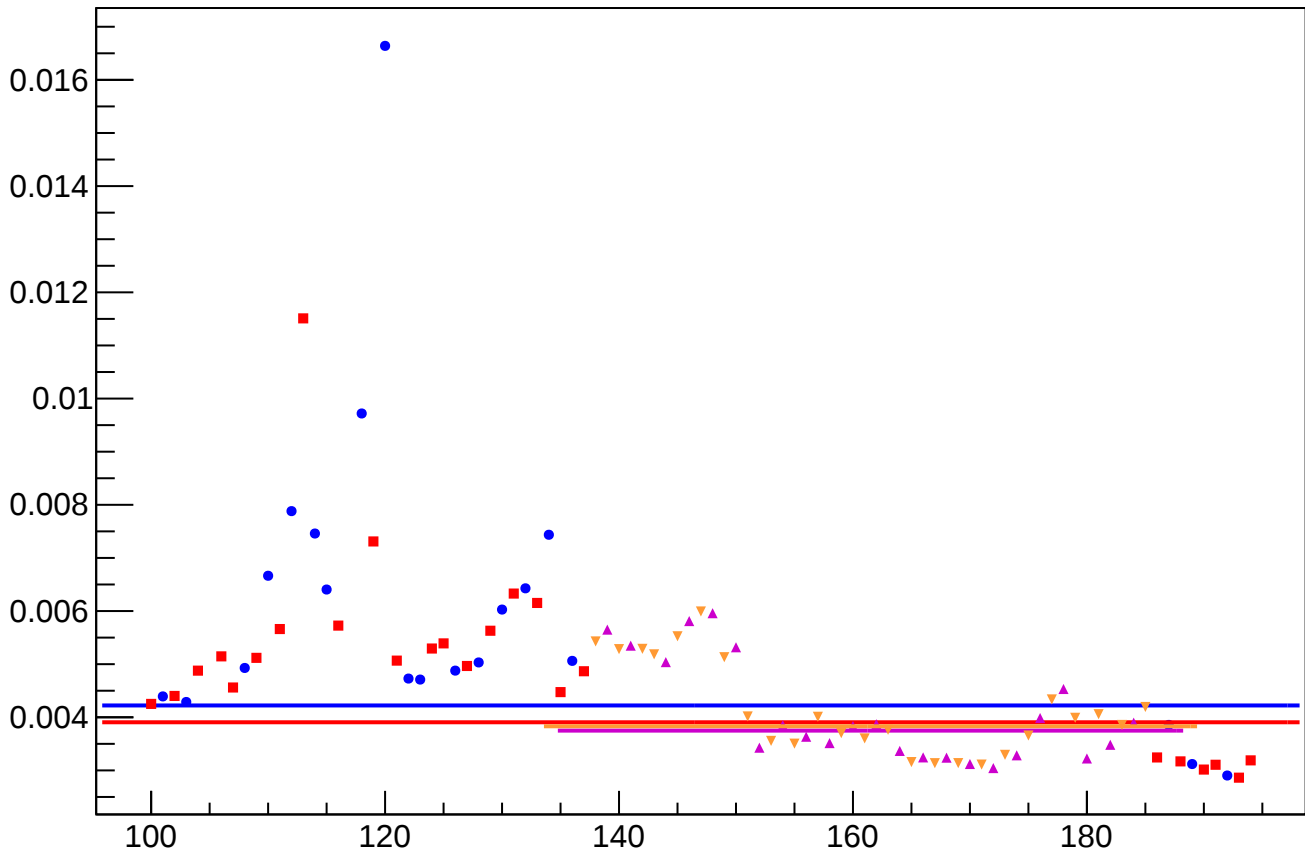
Left In: -0.868 ± 0.000 $\chi^2/\text{NDF}: 43853190177.2/22$

+ sign -0.998 ± 0.000 $\chi^2/\text{NDF}: 220936972188.1/44$

All: -1.051 ± 0.000 $\chi^2/\text{NDF}: 681441038011.6$

- sign -1.098 ± 0.000 $\chi^2/\text{NDF}: 452629100623.5/47$

yield_bpm0i07X_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 1531496.8/19

Left Out: 0.004+/-0.000 χ^2/NDF :1179801.7/24

Right Out: 0.004+/-0.000 χ^2/NDF : 1545318.0/24

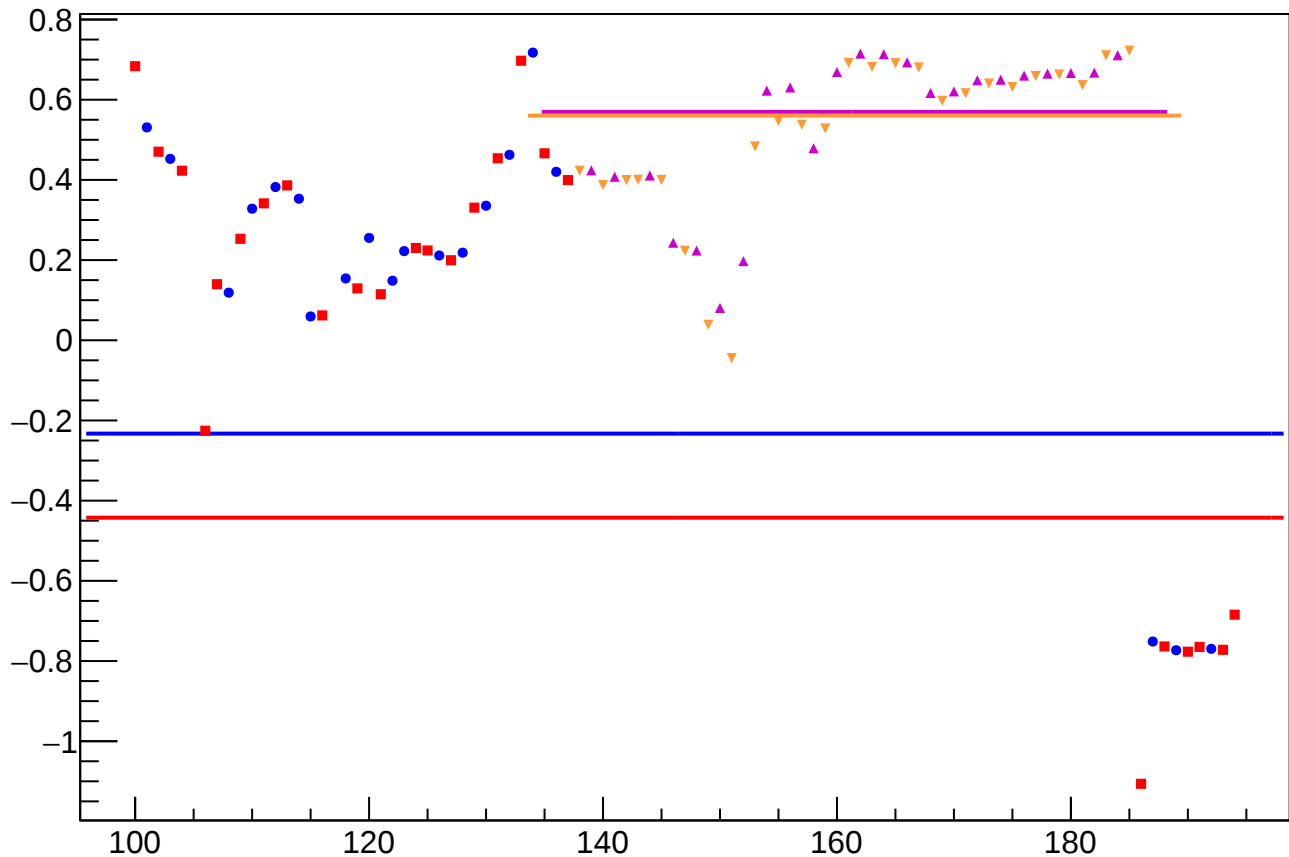
Left In: 0.004+/-0.000 χ^2/NDF :1288490.4/22

+ sign 0.004+/-0.000 χ^2/NDF : 2794672.9/44

All: 0.004+/-0.000 χ^2/NDF : 5671025.7/92

- sign 0.004+/-0.000 χ^2/NDF : 2852250.2/47

yield_bpm0i07Y_mean vs Slug



Right In: -0.233+/-0.000 χ^2/NDF : 233521940429.2/19

Left Out: 0.560+/-0.000 χ^2/NDF : 45205806387.2/24

Right Out: -0.442+/-0.000 χ^2/NDF : 358984218667.9/24

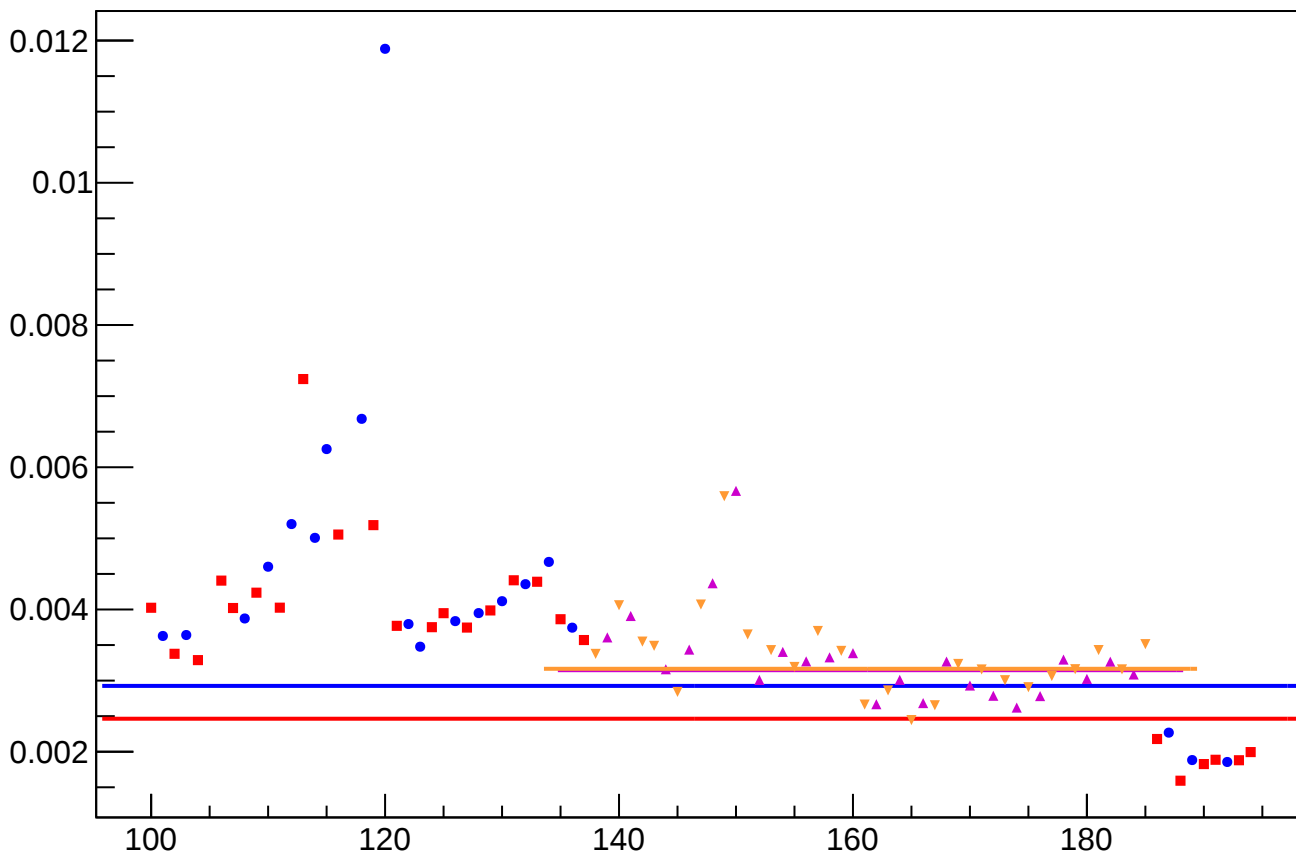
Left In: 0.570+/-0.000 χ^2/NDF : 42104067973.0/22

+ sign 0.316+/-0.000 χ^2/NDF : 592652687370.1/44

All: 0.203+/-0.000 χ^2/NDF : 1773154304718.

- sign 0.110+/-0.000 χ^2/NDF : 1125971999497.2/47

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 2147409.5/19

Left Out: 0.003+/-0.000 χ^2/NDF : 744886.7/24

Right Out: 0.002+/-0.000 χ^2/NDF : 2781672.0/24

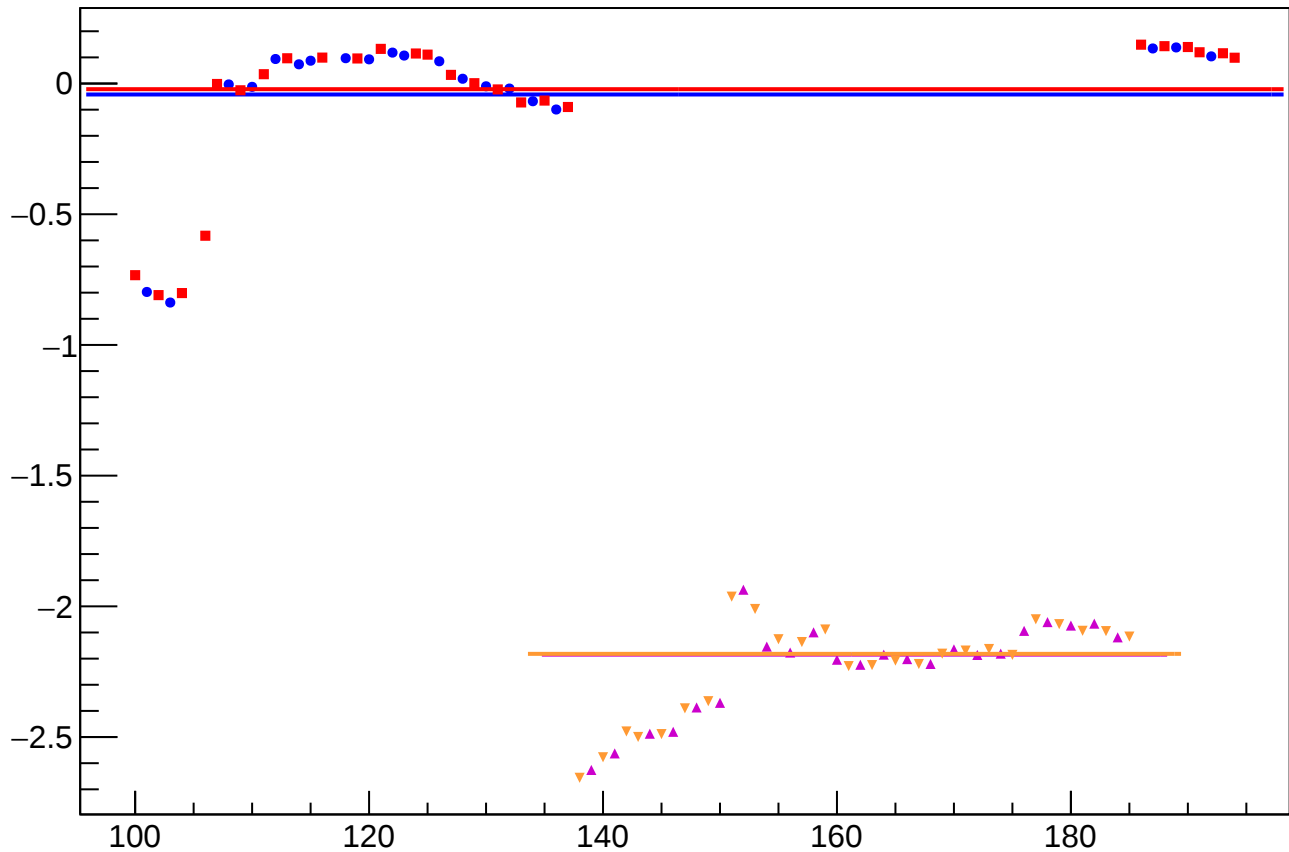
Left In: 0.003+/-0.000 χ^2/NDF : 716402.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 2950010.9/44

All: 0.003+/-0.000 χ^2/NDF : 7275114.8/92

- sign 0.003+/-0.000 χ^2/NDF : 4157175.0/47

yield_bpm1i02X_mean vs Slug



Right In: -0.042+/-0.000 χ^2/NDF : 5503158986.7/19

Left Out: -2.182+/-0.000 χ^2/NDF : 4008829567.0/24

Right Out: -0.022+/-0.000 χ^2/NDF : 6731966498.9/24

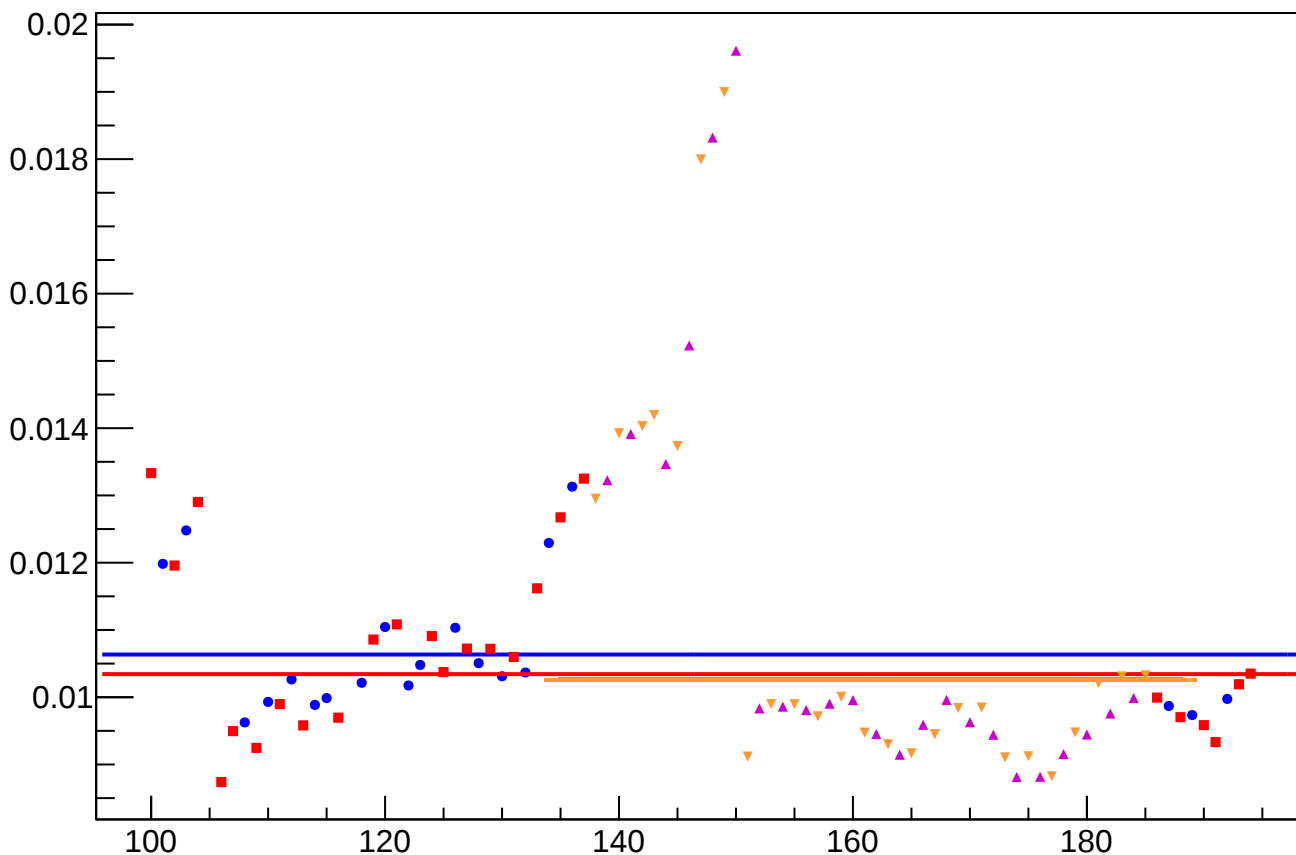
Left In: -2.185+/-0.000 χ^2/NDF : 3372742534.3/22

+ sign -1.540+/-0.000 χ^2/NDF : 240074045755.6/44

All: -1.446+/-0.000 χ^2/NDF : 535628679542.5

- sign -1.358+/-0.000 χ^2/NDF : 291499743566.3/47

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 147023.7/19

Left Out: 0.010+/-0.000 χ^2/NDF :1270617.6/24

Right Out: 0.010+/-0.000 χ^2/NDF : 204500.4/24

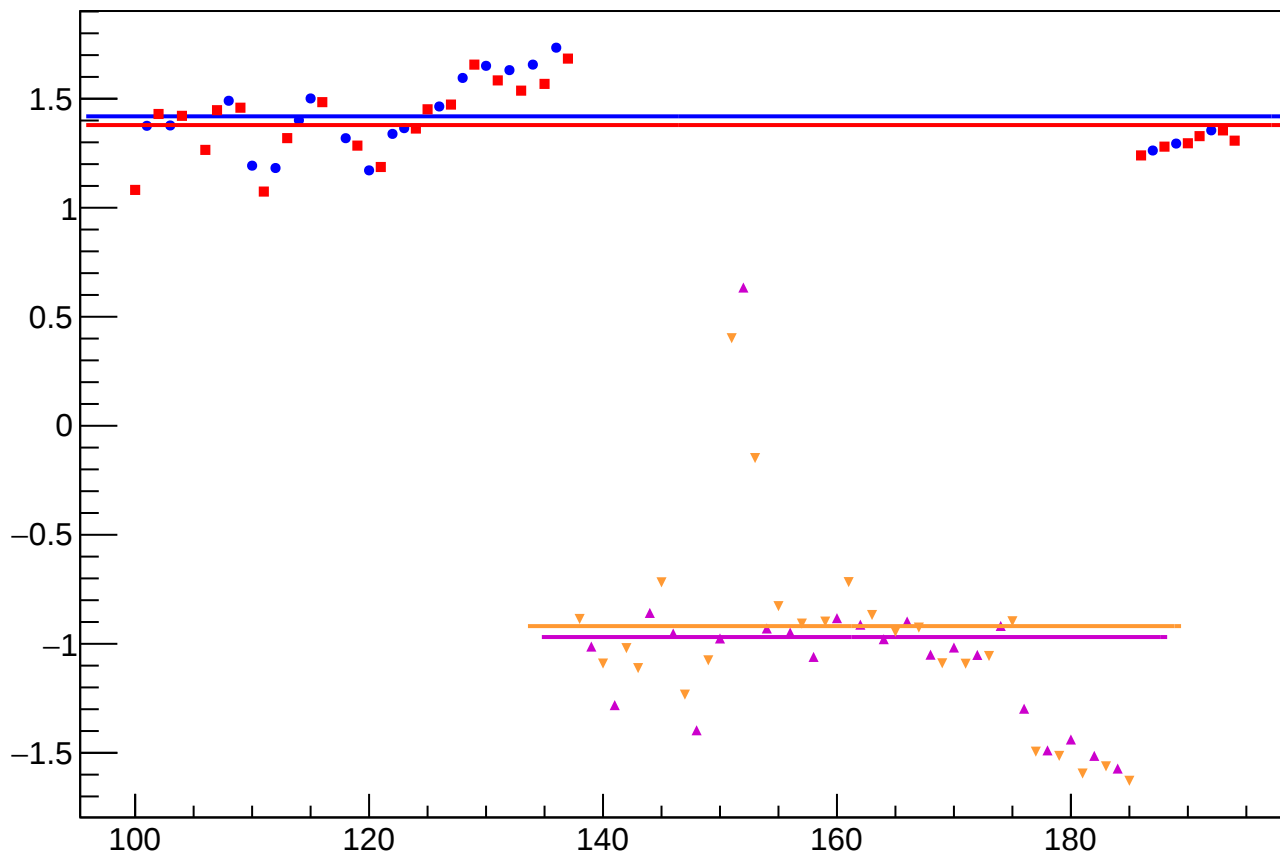
Left In: 0.010+/-0.000 χ^2/NDF :1340264.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 1432102.8/44

All: 0.010+/-0.000 χ^2/NDF : 2979014.5/92

- sign 0.010+/-0.000 χ^2/NDF : 1545516.6/47

yield_bpm1i02Y_mean vs Slug



Right In: 1.419 $\pm$ 0.000 χ^2 /NDF: 3753714392.6/19

Left Out: -0.919 $\pm$ 0.000 χ^2 /NDF: 55622252895.8/24

Right Out: 1.379 $\pm$ 0.000 χ^2 /NDF: 3288813218.2/24

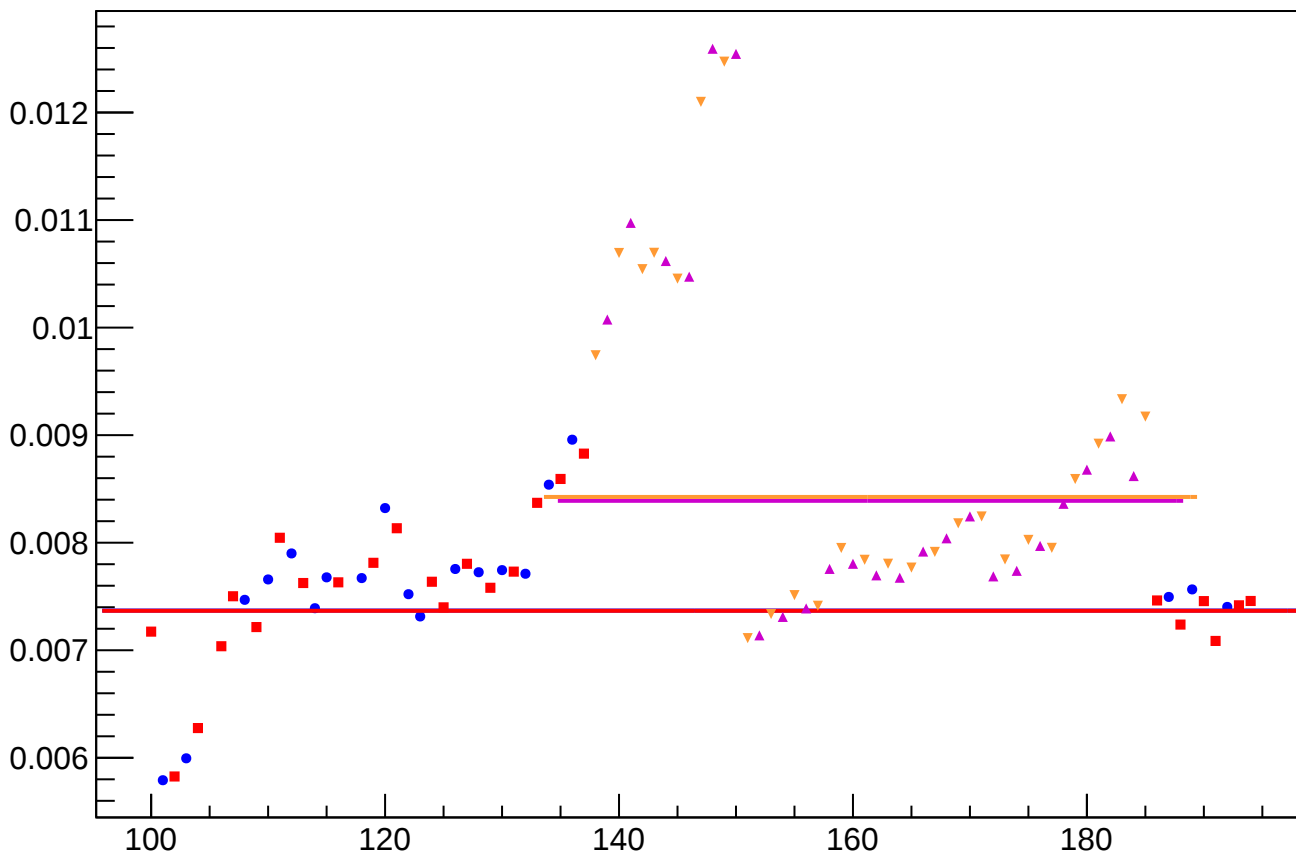
Left In: -0.969 $\pm$ 0.000 χ^2 /NDF: 54895002535.8/22

+ sign -0.051 $\pm$ 0.000 χ^2 /NDF: 571068154998.4/44

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 1220028817358.

- sign 0.076 $\pm$ 0.000 χ^2 /NDF: 645627332973.7/47

yield_bpm1i02Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 229531.8/19

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 792337.0/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 174330.8/24

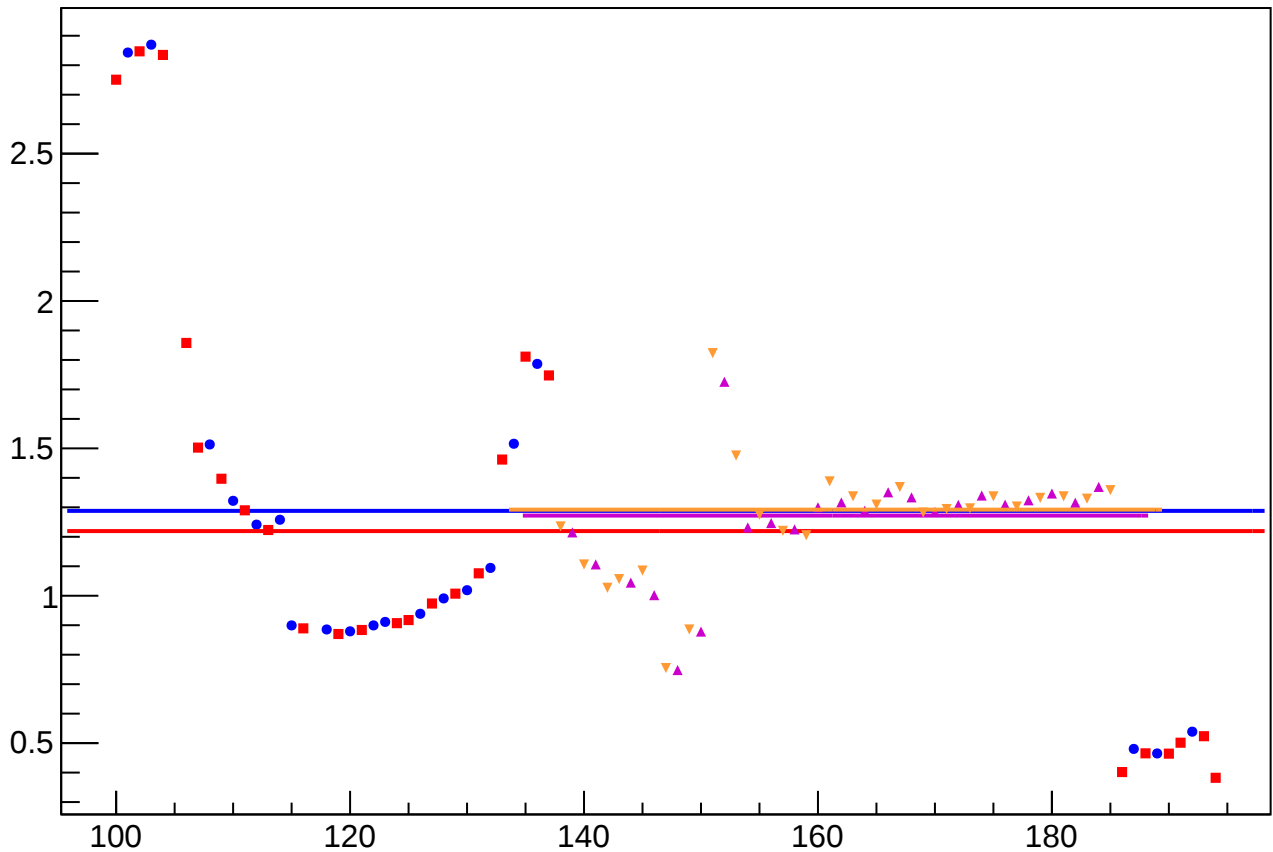
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 839880.4/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1230725.7/44

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2471849.4/92

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1237057.3/47

yield_bpm1i04X_mean vs Slug



Right In: 1.288 $\pm$ 0.000 χ^2 /NDF: 64397158627.0/19

Left Out: 1.292 $\pm$ 0.000 χ^2 /NDF: 9305298695.5/24

Right Out: 1.219 $\pm$ 0.000 χ^2 /NDF: 74532715955.5/24

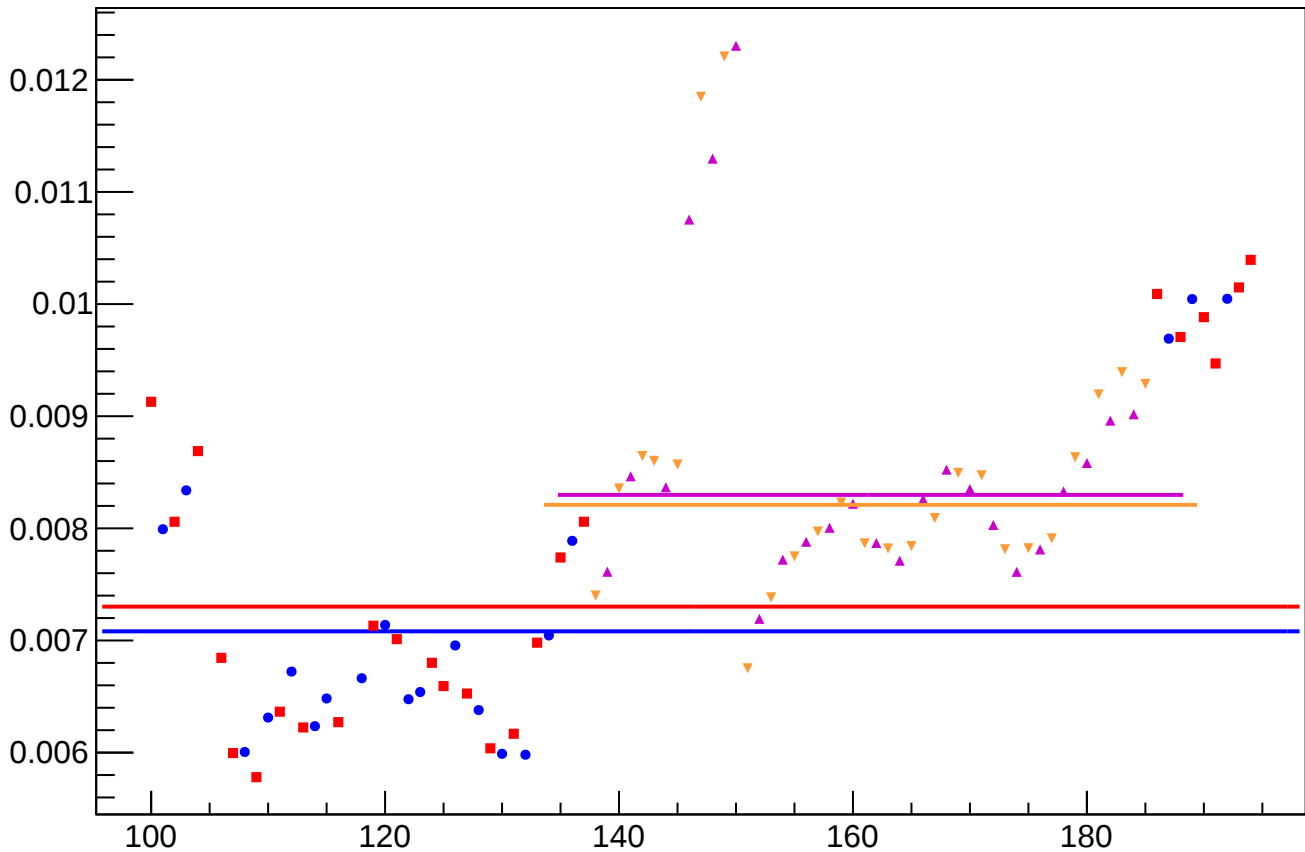
Left In: 1.272 $\pm$ 0.000 χ^2 /NDF: 7573930981.2/22

+ sign 1.291 $\pm$ 0.000 χ^2 /NDF: 73704165170.5/44

All: 1.269 $\pm$ 0.000 χ^2 /NDF: 156475178607.1

- sign 1.249 $\pm$ 0.000 χ^2 /NDF: 82401693376.1/47

yield_bpm1i04X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 449494.5/19

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 478864.9/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 804077.5/24

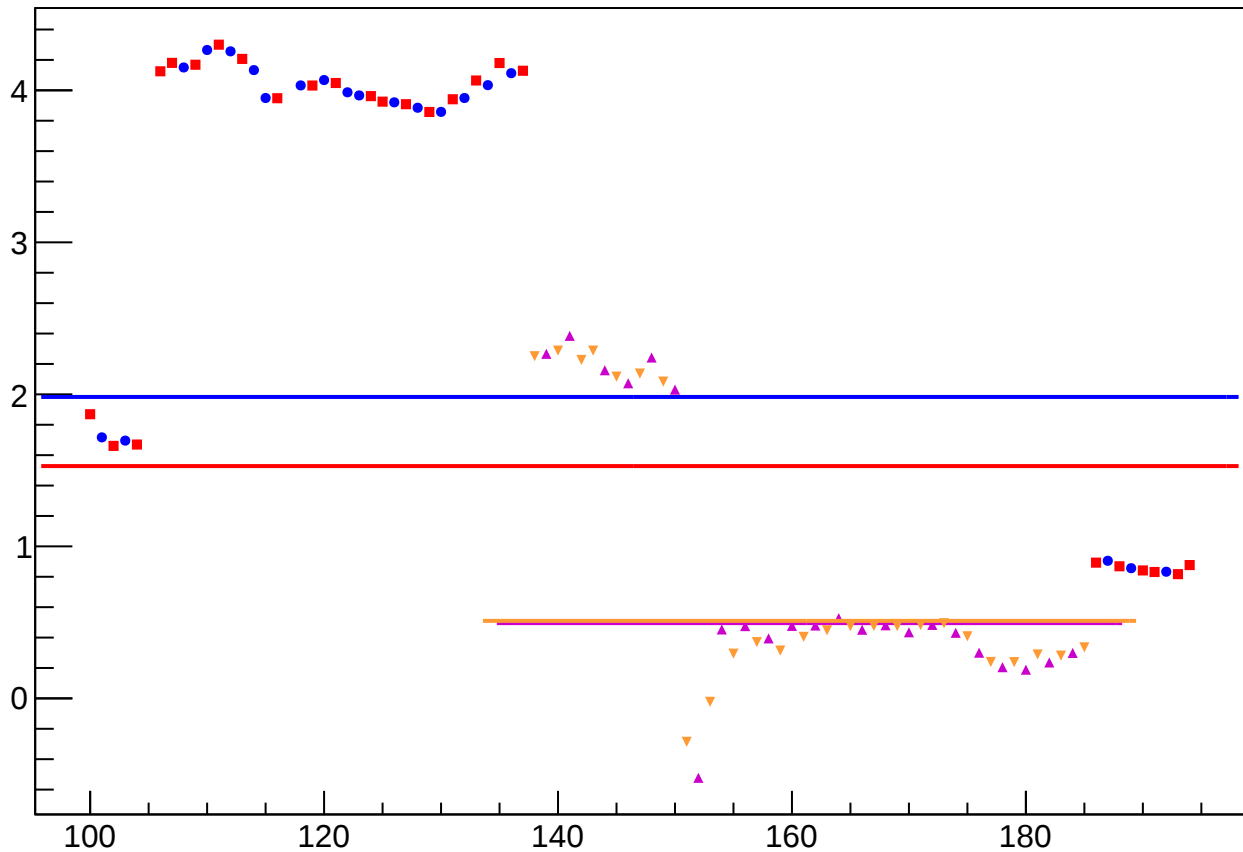
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 462022.1/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1180615.5/44

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2660967.3/92

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1477752.7/47

yield_bpm1i04Y_mean vs Slug



Right In: 1.983+/-0.000 χ^2/NDF : 1143998656166.1/19

Left Out: 0.510+/-0.000 χ^2/NDF : 274818814912.4/24

Right Out: 1.528+/-0.000 χ^2/NDF : 1559602360187.9/24

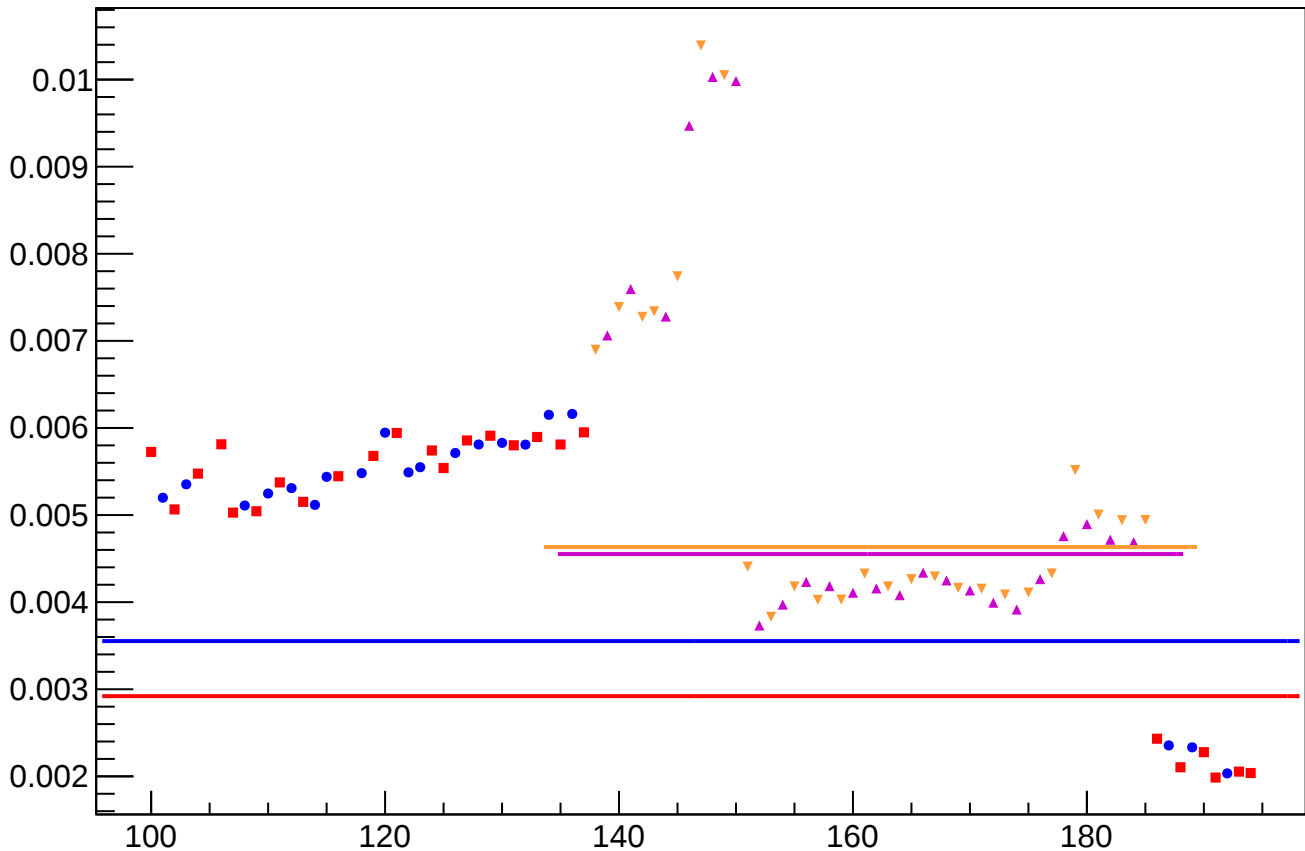
Left In: 0.495+/-0.000 χ^2/NDF : 268863202792.4/22

+ sign 1.101+/-0.000 χ^2/NDF : 2095101285681.2/44

All: 1.084+/-0.000 χ^2/NDF : 4374964547189.0

- sign 1.071+/-0.000 χ^2/NDF : 2279178185627.9/47

yield_bpm1i04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 3027303.7/19

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:2114007.7/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 4096058.9/24

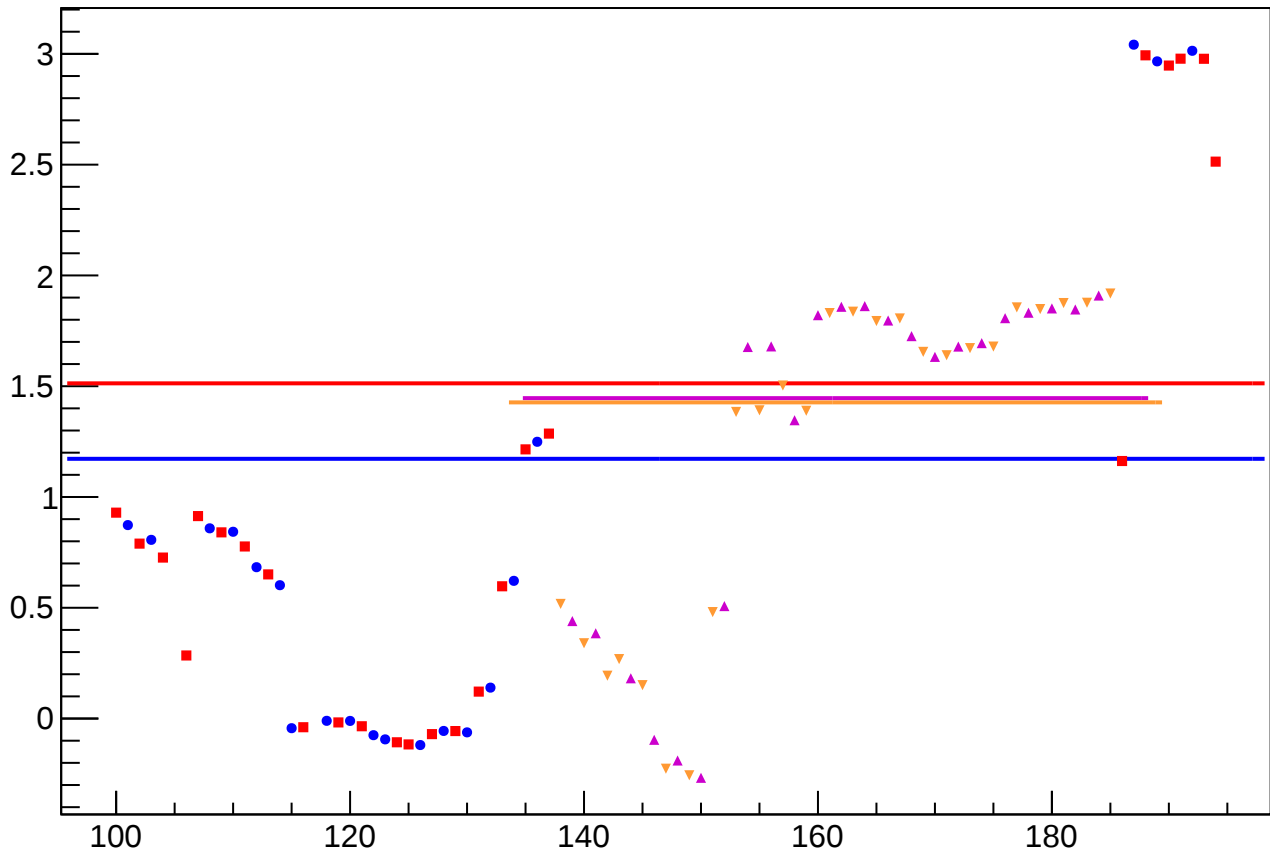
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:2237666.9/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 5868341.7/44

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 14907857.5/92

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 8582275.8/47

yield_bpm1i06X_mean vs Slug



Right In: 1.172 $\pm$ 0.000 χ^2/NDF : 72504992322.7/19

Left Out: 1.427 $\pm$ 0.000 χ^2/NDF : 49990787038.3/24

Right Out: 1.513 $\pm$ 0.000 χ^2/NDF : 97303779695.2/24

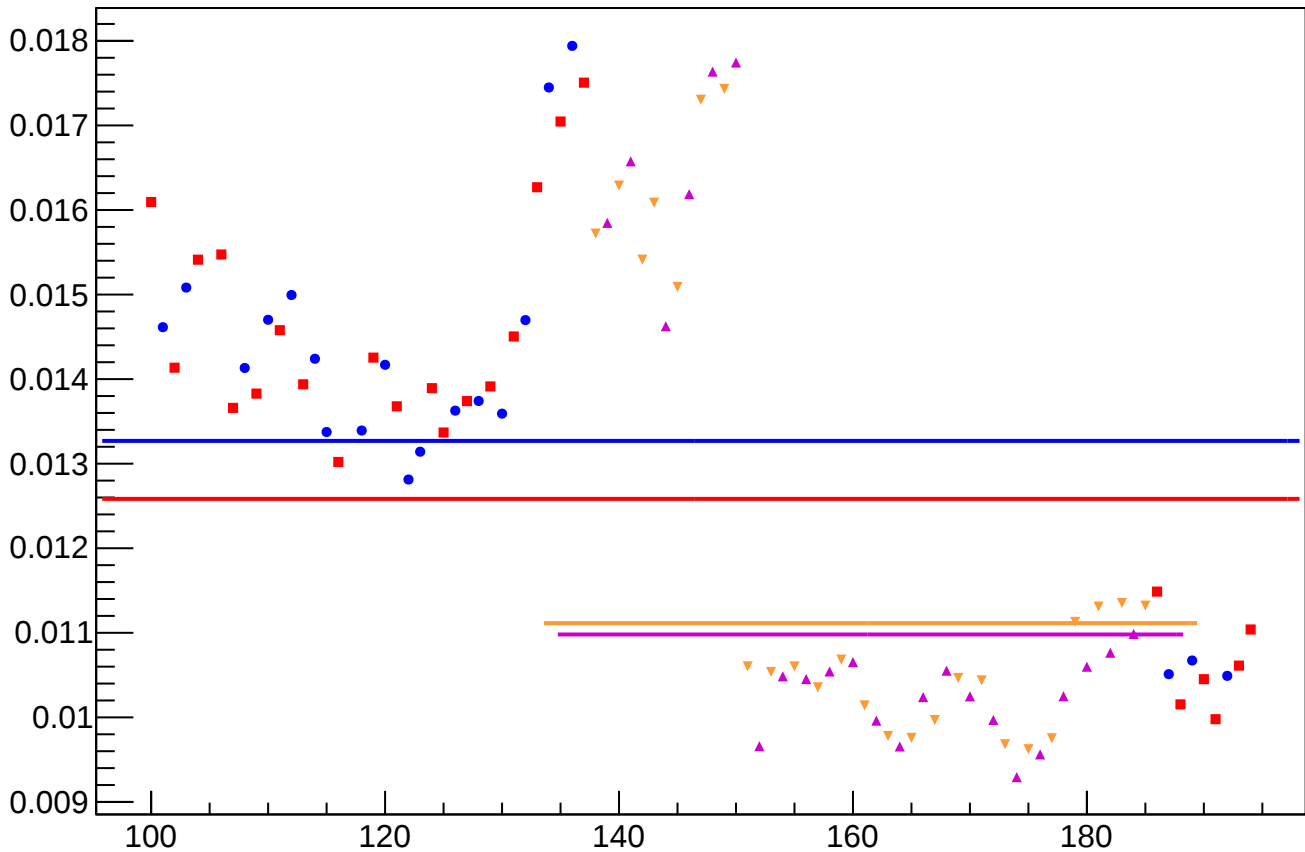
Left In: 1.446 $\pm$ 0.000 χ^2/NDF : 53752493130.3/22

+ sign 1.365 $\pm$ 0.000 χ^2/NDF : 124723834908.3/44

All: 1.418 $\pm$ 0.000 χ^2/NDF : 276980836085.0

- sign 1.467 $\pm$ 0.000 χ^2/NDF : 151250677853.5/47

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 398825.0/19

Left Out: 0.011+/-0.000 χ^2/NDF :1227493.2/24

Right Out: 0.013+/-0.000 χ^2/NDF : 546797.9/24

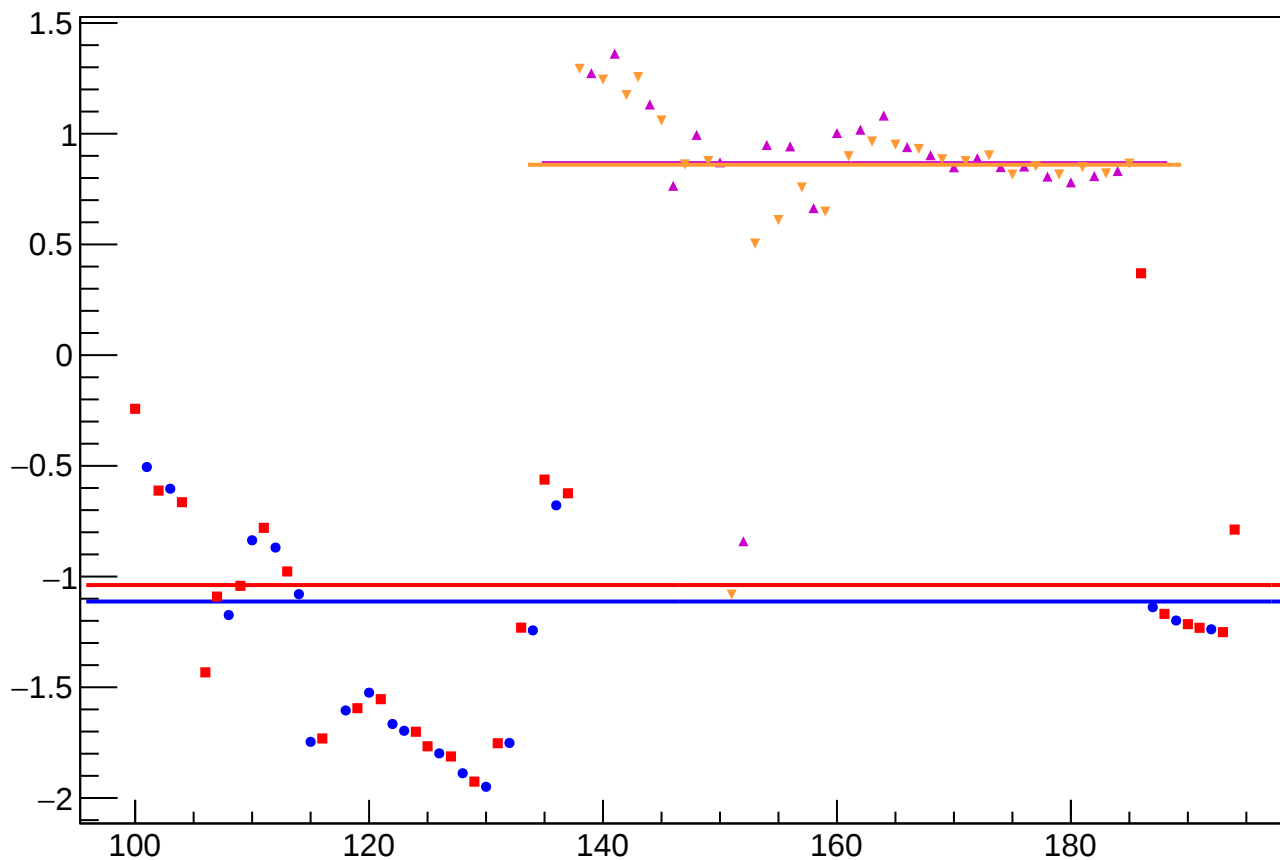
Left In: 0.011+/-0.000 χ^2/NDF :1264827.0/22

+ sign 0.012+/-0.000 χ^2/NDF : 1945313.4/44

All: 0.012+/-0.000 χ^2/NDF : 3985087.9/92

- sign 0.011+/-0.000 χ^2/NDF : 2035600.8/47

yield_bpm1i06Y_mean vs Slug



Right In: -1.113+/-0.000 χ^2/NDF : 56079657888.9/19

Left Out: 0.860+/-0.000 χ^2/NDF :126335891175.4/24

Right Out: -1.038+/-0.000 χ^2/NDF : 65038959210.1/24

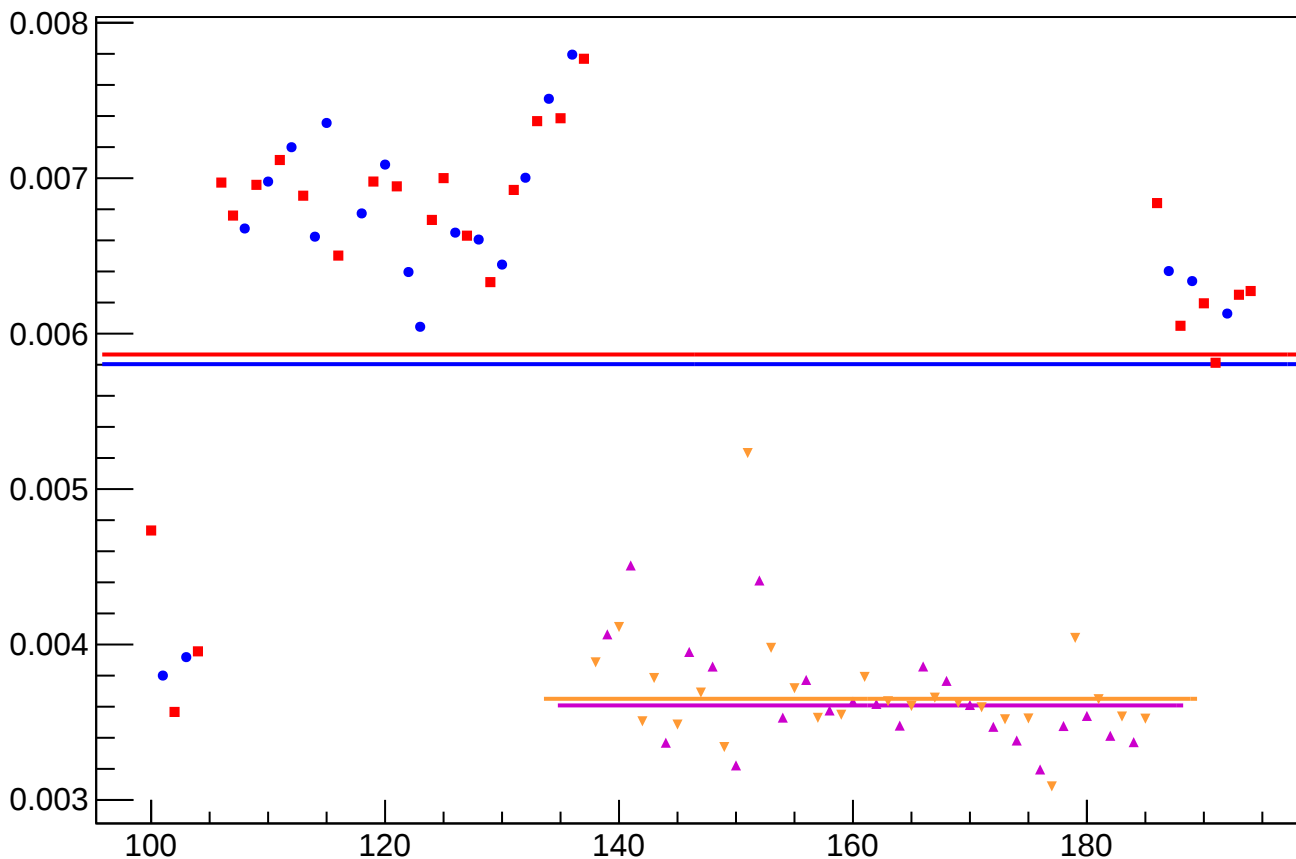
Left In: 0.867+/-0.000 χ^2/NDF :147039402944.6/22

+ sign 0.566+/-0.000 χ^2/NDF : 908172577768.0/44

All: 0.540+/-0.000 χ^2/NDF : 1935993260625.

- sign 0.513+/-0.000 χ^2/NDF : 1025752177342.1/47

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 854750.0/19

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:237262.6/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 960916.7/24

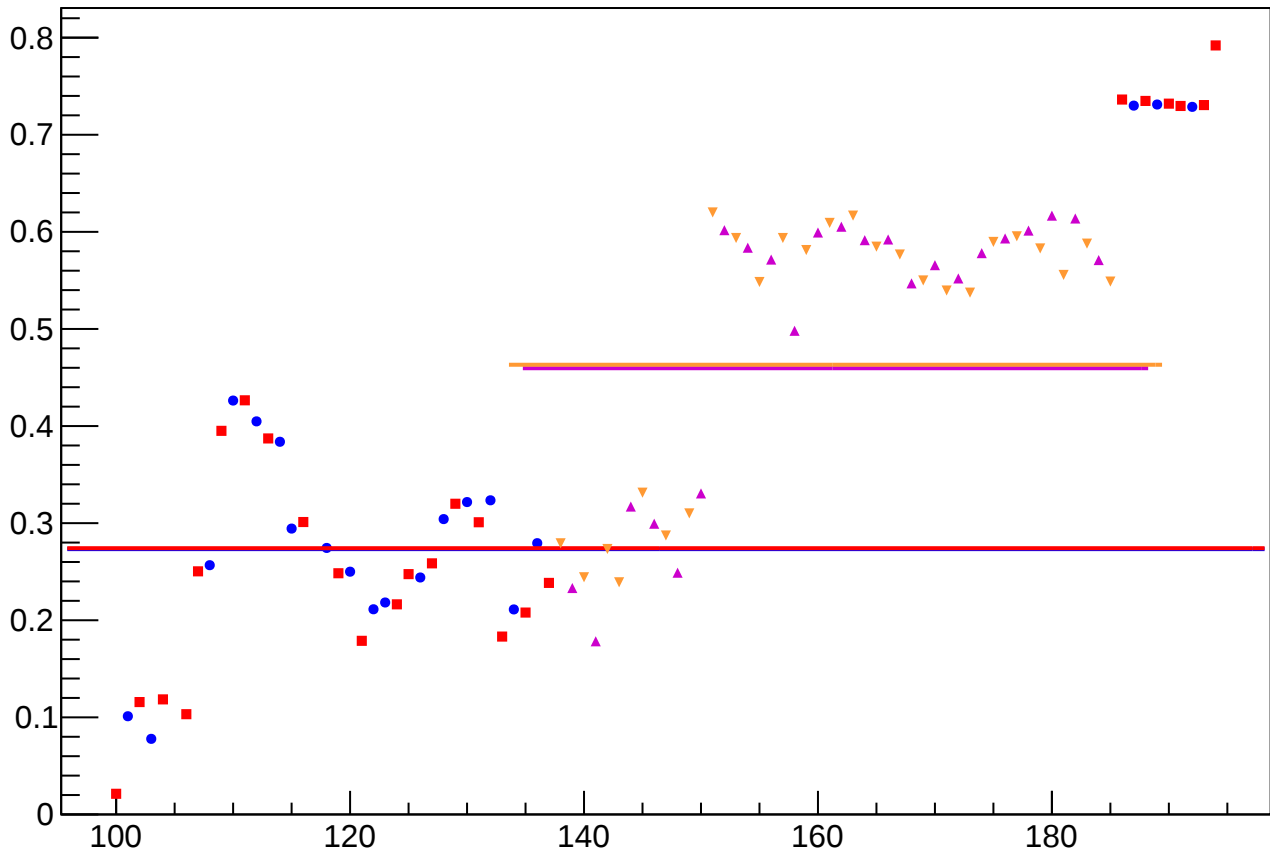
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:227861.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2820910.3/44

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 6298559.2/92

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 3473000.9/47

yield_bpm2i01X_mean vs Slug



Right In: 0.273 $\pm$ 0.000 χ^2 /NDF: 41788217690.3/19

Left Out: 0.463 $\pm$ 0.000 χ^2 /NDF:102506270538.7/24

Right Out: 0.274 $\pm$ 0.000 χ^2 /NDF: 76993180390.6/24

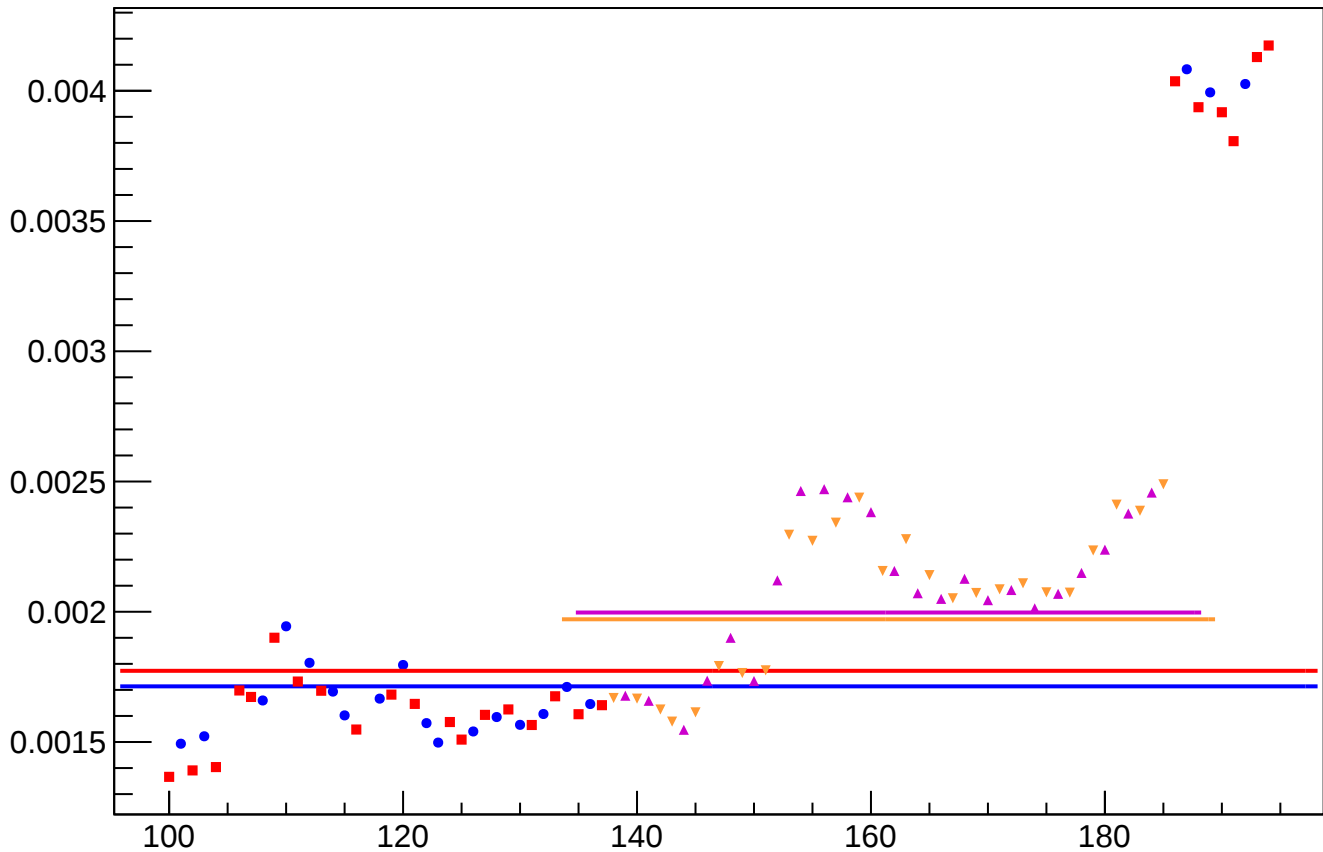
Left In: 0.460 $\pm$ 0.000 χ^2 /NDF:104559088628.4/22

+ sign 0.396 $\pm$ 0.000 χ^2 /NDF: 203133067423.7/44

All: 0.390 $\pm$ 0.000 χ^2 /NDF: 444502417703.2

- sign 0.384 $\pm$ 0.000 χ^2 /NDF: 240833704732.2/47

yield_bpm2i01X_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1099956.3/19

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:730203.8/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 2410947.7/24

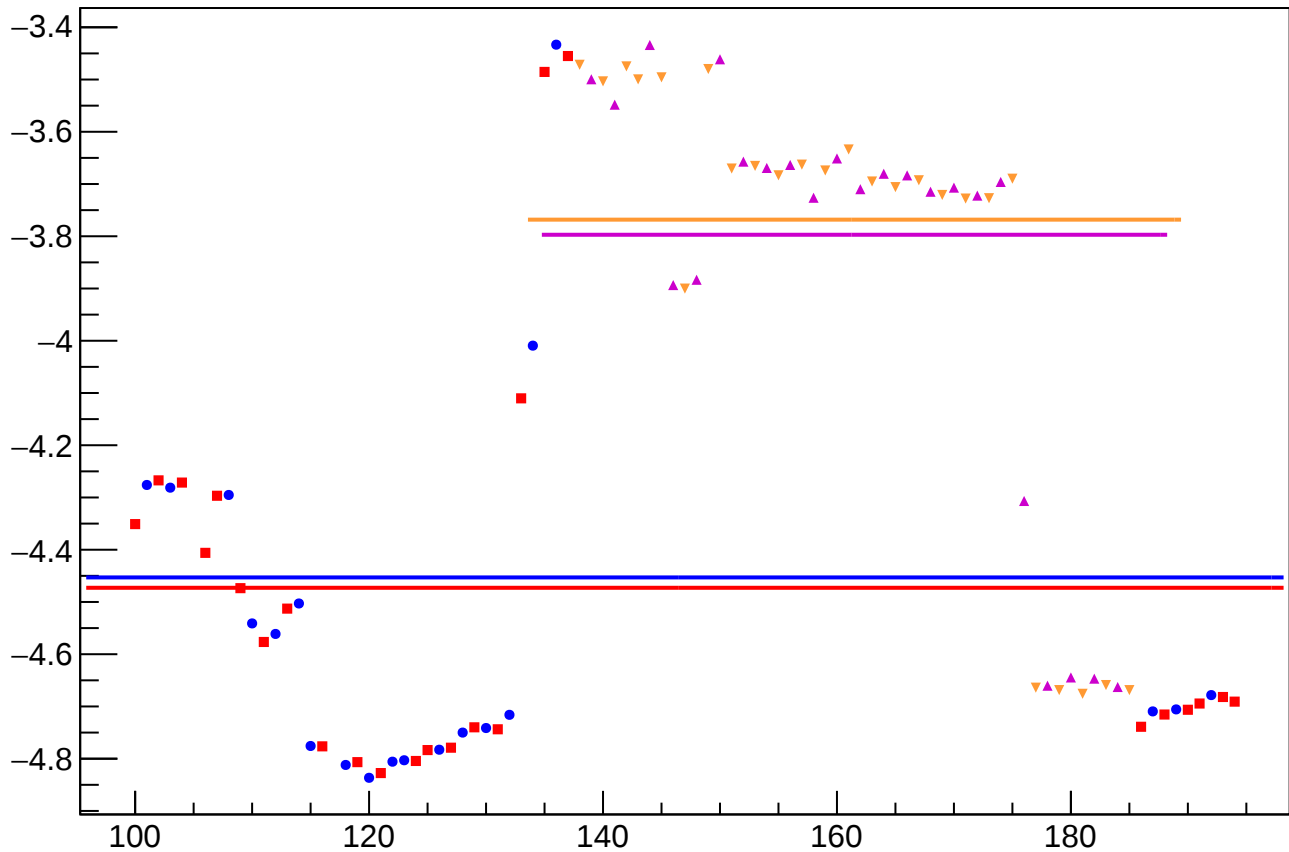
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:666404.2/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2046468.4/44

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5301314.1/92

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3250196.7/47

yield_bpm2i01Y_mean vs Slug



Right In: -4.453+/-0.000 χ^2/NDF : 400916719127.5/19

Left Out: -3.768+/-0.000 χ^2/NDF : 516780173940.8/24

Right Out: -4.473+/-0.000 χ^2/NDF : 345991679318.7/24

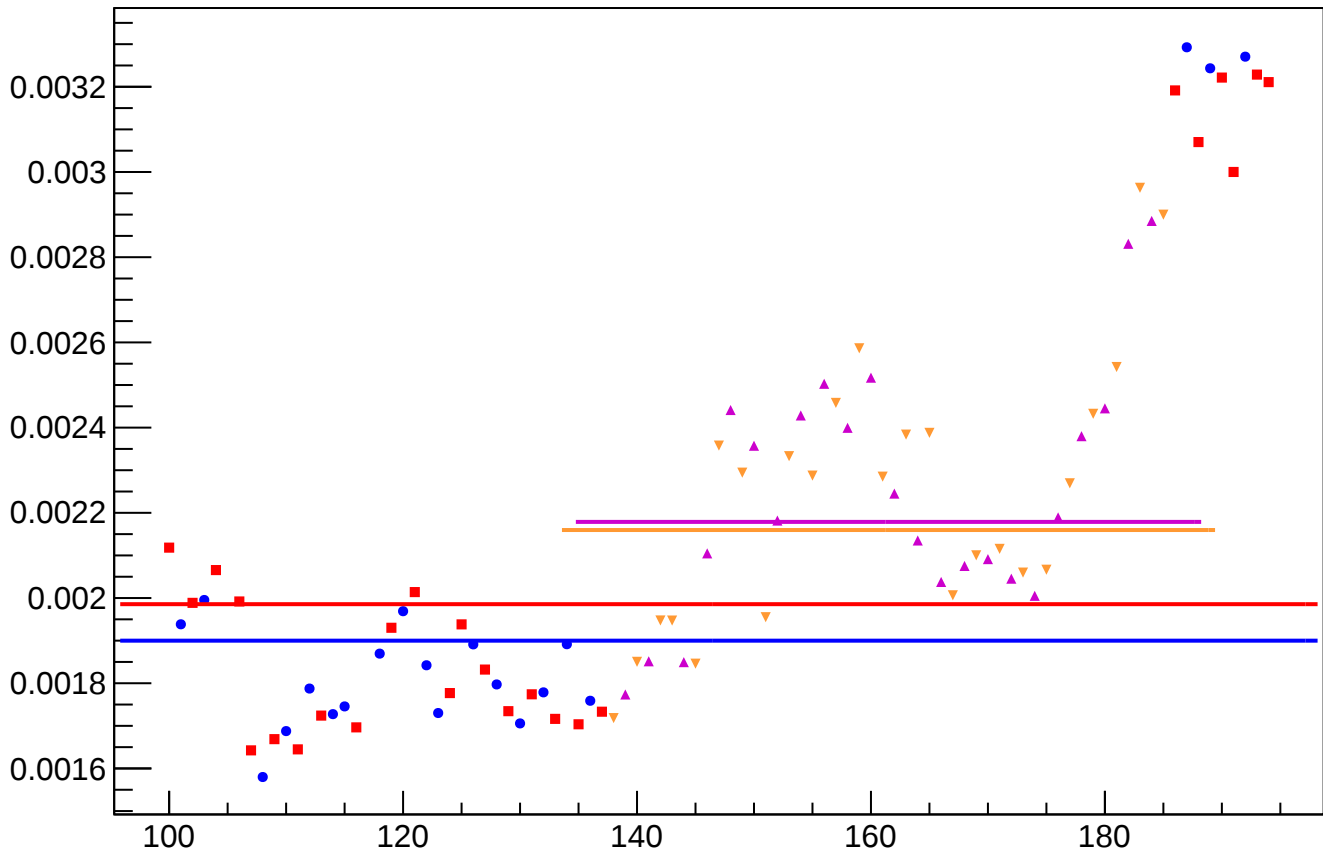
Left In: -3.797+/-0.000 χ^2/NDF : 444886272608.9/22

+ sign -4.014+/-0.000 χ^2/NDF : 1559105310633.3/4

All: -4.044+/-0.000 χ^2/NDF : 3024632496751

- sign -4.074+/-0.000 χ^2/NDF : 1454750579713.1/4

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 606430.4/19

Left Out: 0.002+/-0.000 χ^2/NDF :547831.5/24

Right Out: 0.002+/-0.000 χ^2/NDF : 1172041.1/24

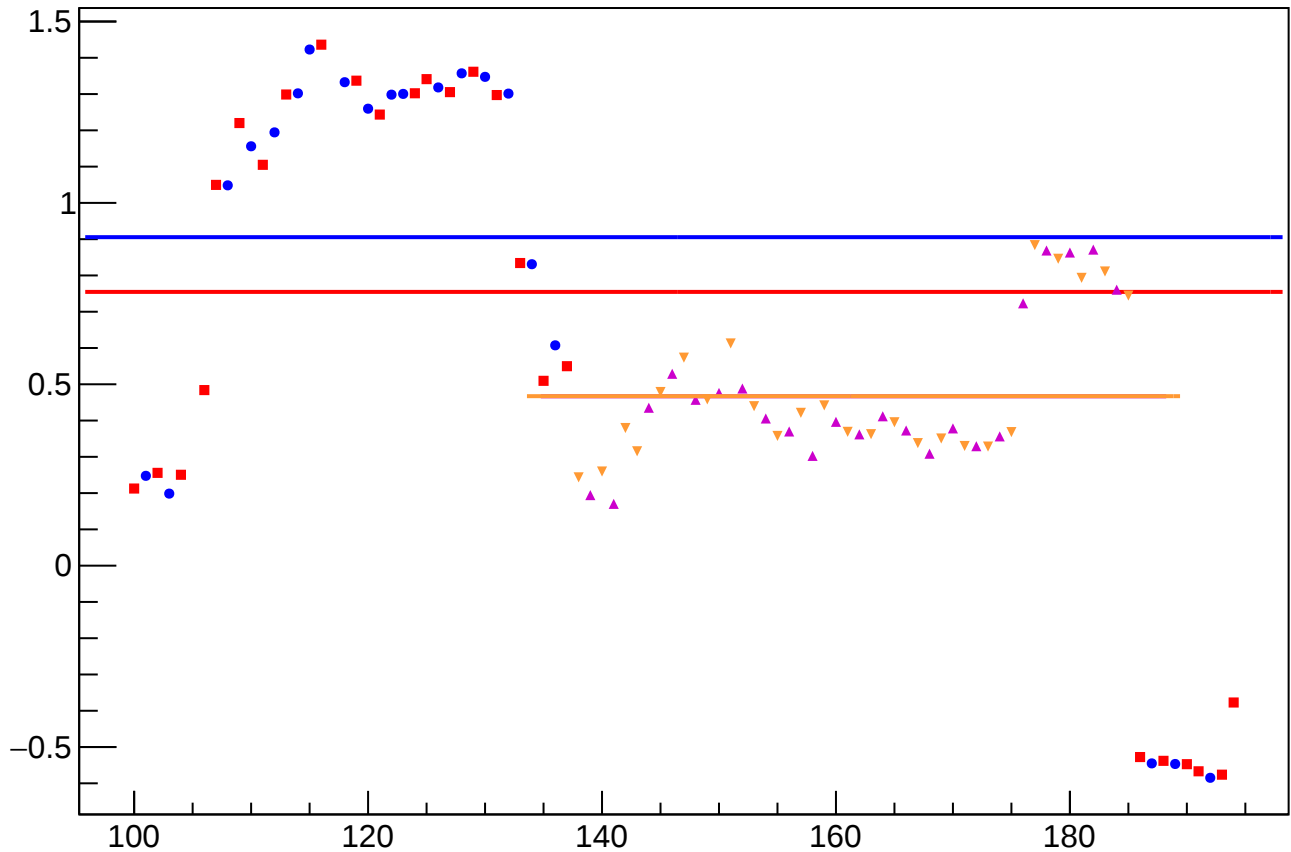
Left In: 0.002+/-0.000 χ^2/NDF :463279.7/22

+ sign 0.002+/-0.000 χ^2/NDF : 1338744.2/44

All: 0.002+/-0.000 χ^2/NDF : 3089092.1/92

- sign 0.002+/-0.000 χ^2/NDF : 1743782.3/47

yield_bpm2i02X_mean vs Slug



Right In: 0.906 $\pm$ 0.000 χ^2 /NDF: 52266050507.9/19

Left Out: 0.467 $\pm$ 0.000 χ^2 /NDF: 7359344143.3/24

+ sign 0.640 $\pm$ 0.000 χ^2 /NDF: 75468050447.6/44

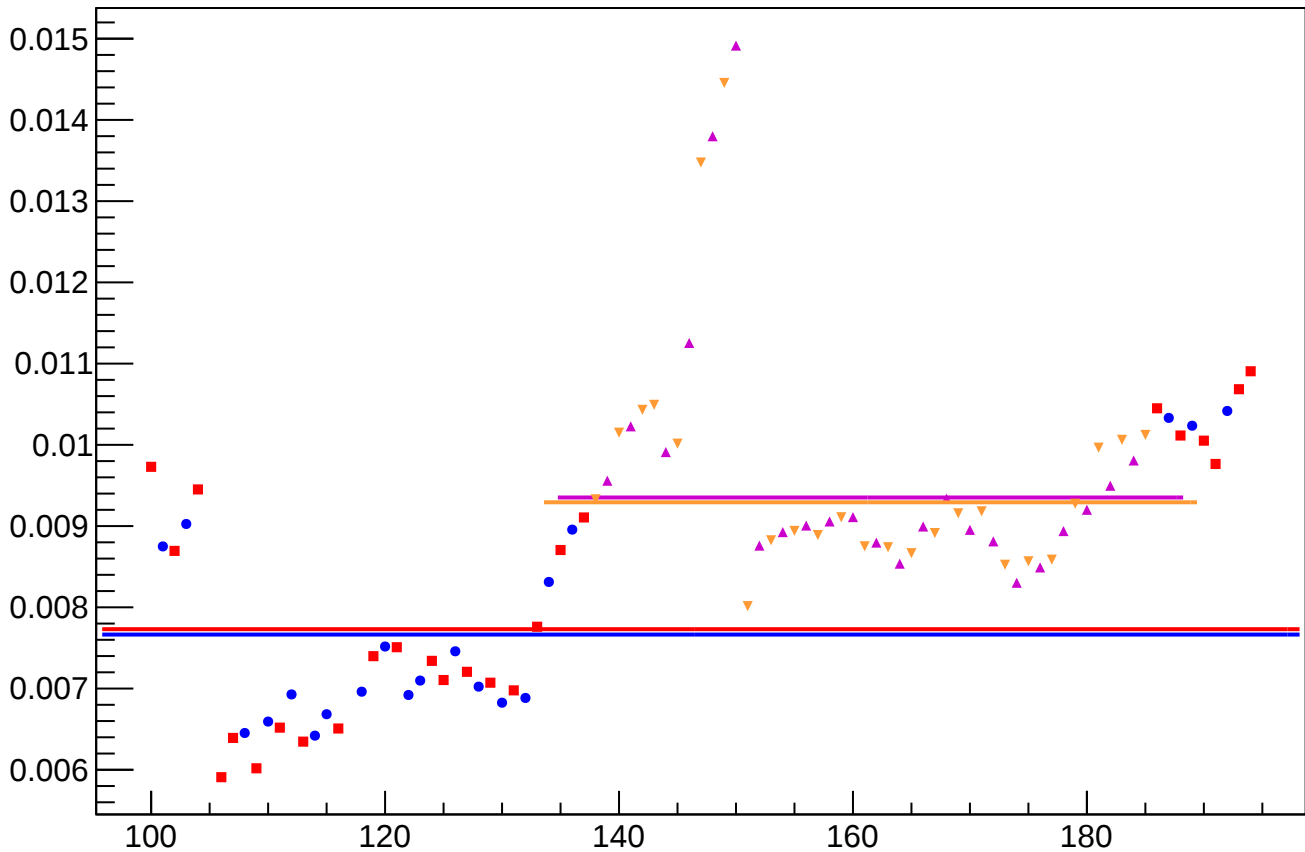
Right Out: 0.755 $\pm$ 0.000 χ^2 /NDF: 82258497818.0/24

All: 0.620 $\pm$ 0.000 χ^2 /NDF: 173527614499.7

- sign 0.601 $\pm$ 0.000 χ^2 /NDF: 97784350497.1/47

Left In: 0.467 $\pm$ 0.000 χ^2 /NDF: 8036741308.0/22

yield_bpm2i02X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 411822.5/19

Left Out: 0.009+/-0.000 χ^2/NDF : 528279.5/24

Right Out: 0.008+/-0.000 χ^2/NDF : 825969.4/24

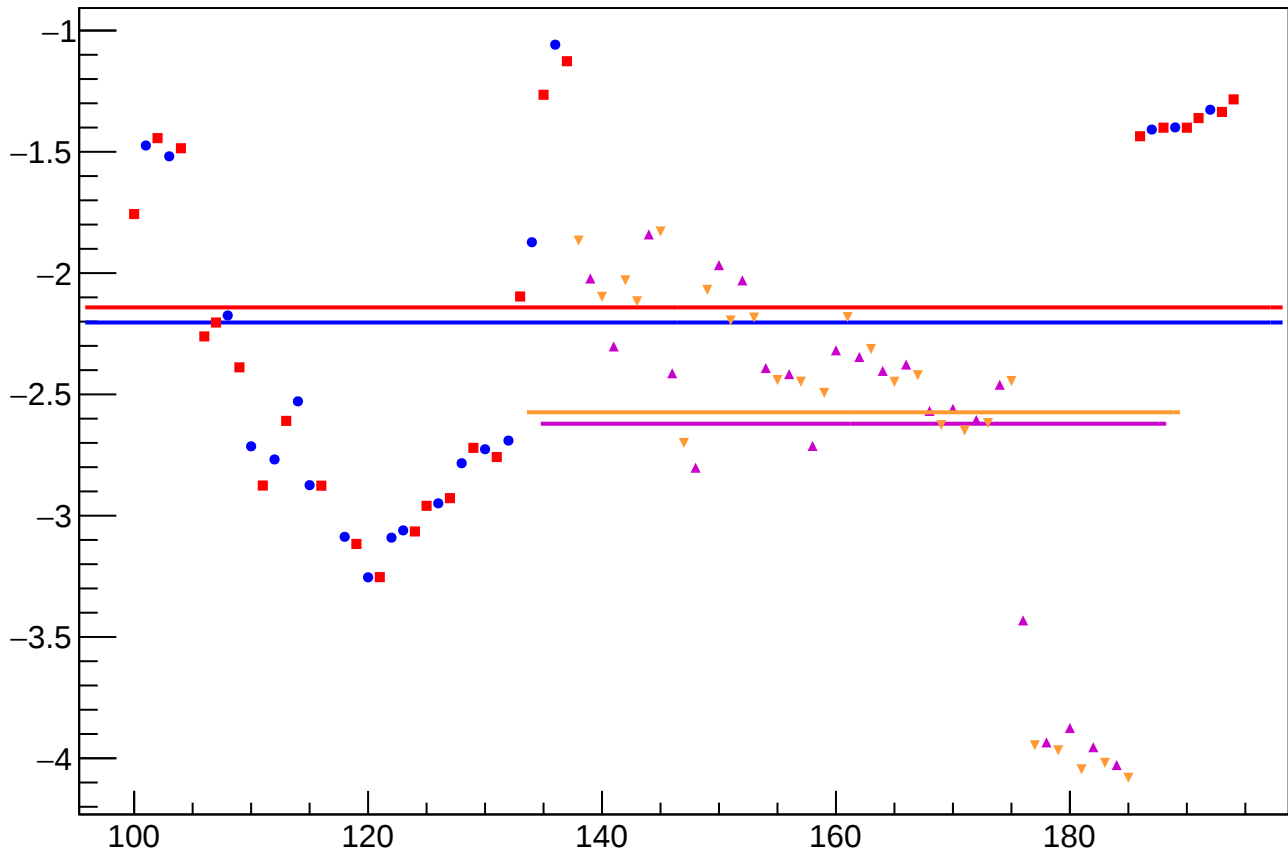
Left In: 0.009+/-0.000 χ^2/NDF : 557555.2/22

+ sign 0.009+/-0.000 χ^2/NDF : 1377280.2/44

All: 0.009+/-0.000 χ^2/NDF : 3236885.0/92

- sign 0.009+/-0.000 χ^2/NDF : 1858623.3/47

yield_bpm2i02Y_mean vs Slug



Right In: -2.204 $\pm$ 0.000 χ^2/NDF : 86746082050.4/19

Left Out: -2.574 $\pm$ 0.000 χ^2/NDF : 99176112704.9/24

Right Out: -2.141 $\pm$ 0.000 χ^2/NDF : 93184101332.5/24

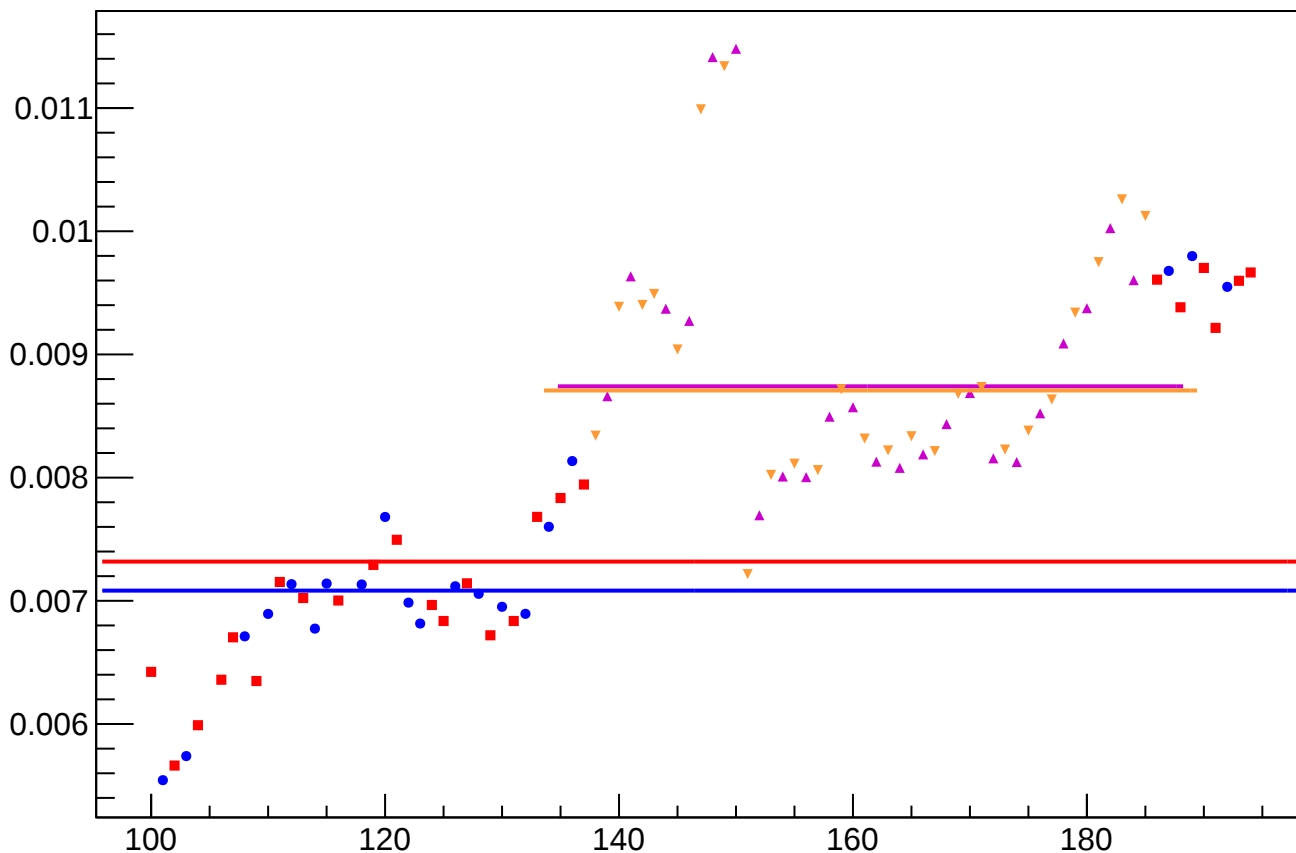
Left In: -2.621 $\pm$ 0.000 χ^2/NDF : 80862402796.4/22

+ sign -2.426 $\pm$ 0.000 χ^2/NDF : 199060215780.4/44

All: -2.413 $\pm$ 0.000 χ^2/NDF : 396966822796.4

- sign -2.400 $\pm$ 0.000 χ^2/NDF : 197775873491.4/47

yield_bpm2i02Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 404682.8/19

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:369376.5/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 587955.1/24

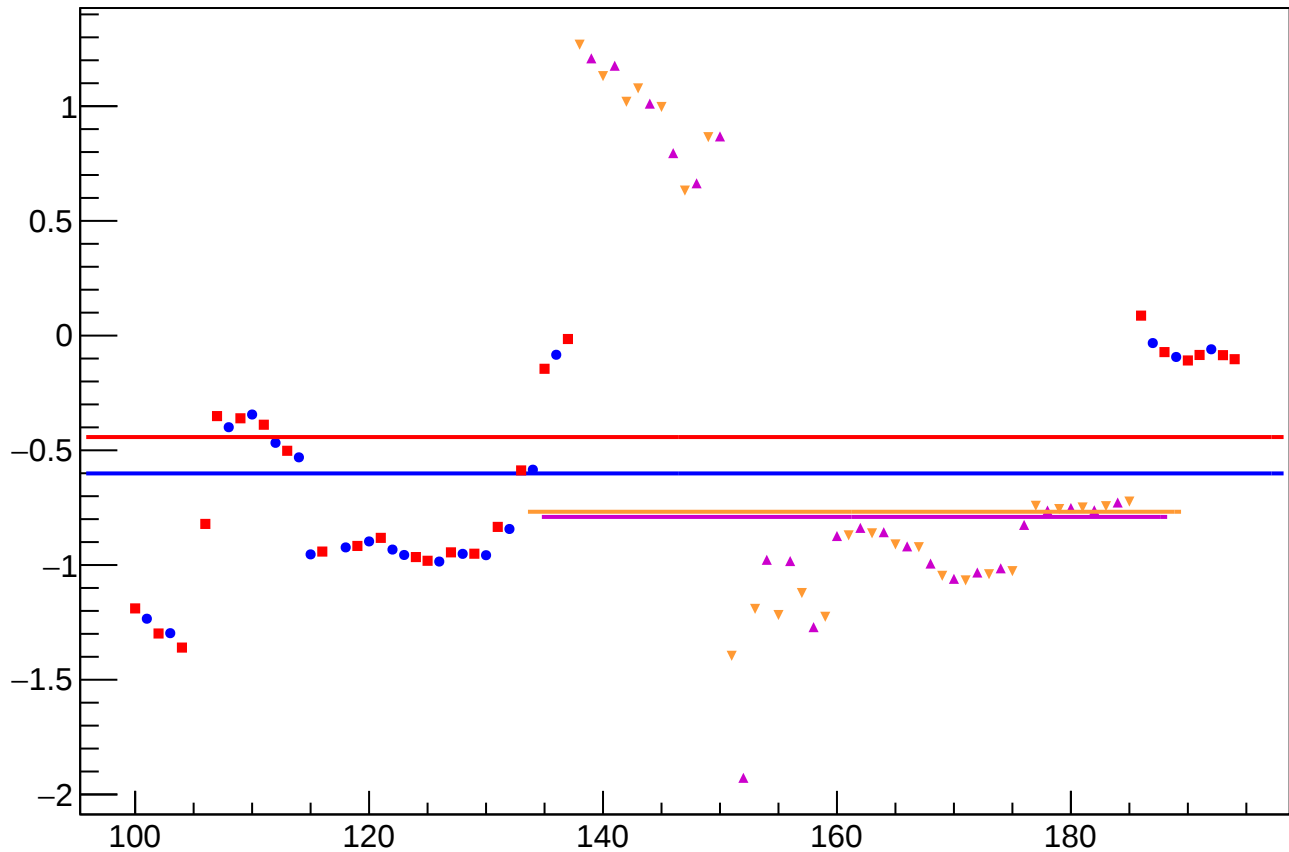
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:353750.0/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1280214.3/44

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2640010.4/92

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1359445.6/47

yield_bpm0i01X_mean vs Slug



Right In: -0.601 ± 0.000 χ^2/NDF : 16574858828.7/19

Left Out: -0.768 ± 0.000 χ^2/NDF : 120774855982.9/24

Right Out: -0.442 ± 0.000 χ^2/NDF : 23228260715.2/24

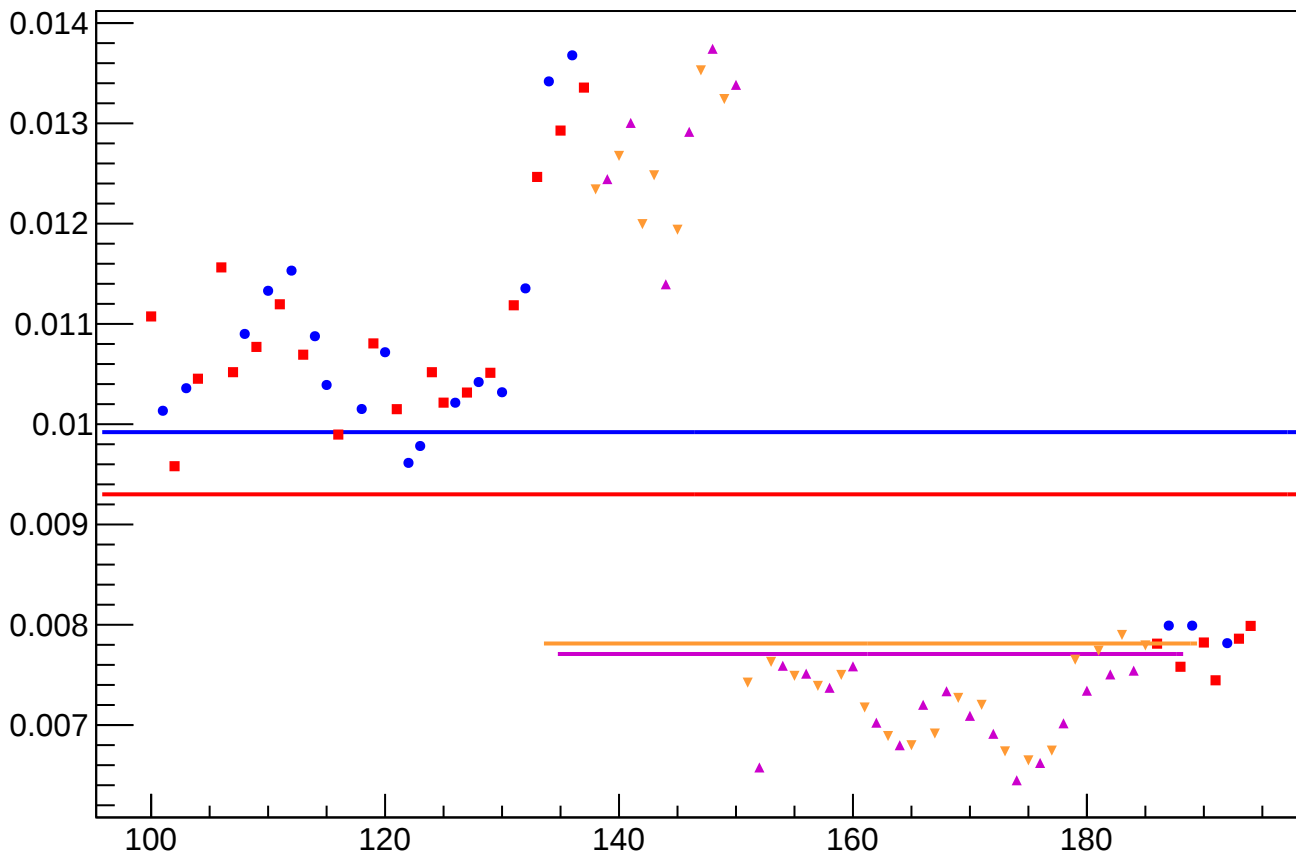
Left In: -0.790 ± 0.000 χ^2/NDF : 123452478408.2/22

+ sign -0.731 ± 0.000 χ^2/NDF : 139095519532.7/44

All: -0.708 ± 0.000 χ^2/NDF : 295990060009.2

- sign -0.686 ± 0.000 χ^2/NDF : 156527116764.4/47

yield_bpm0i01X_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 412402.6/19

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:1705997.6/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 606109.1/24

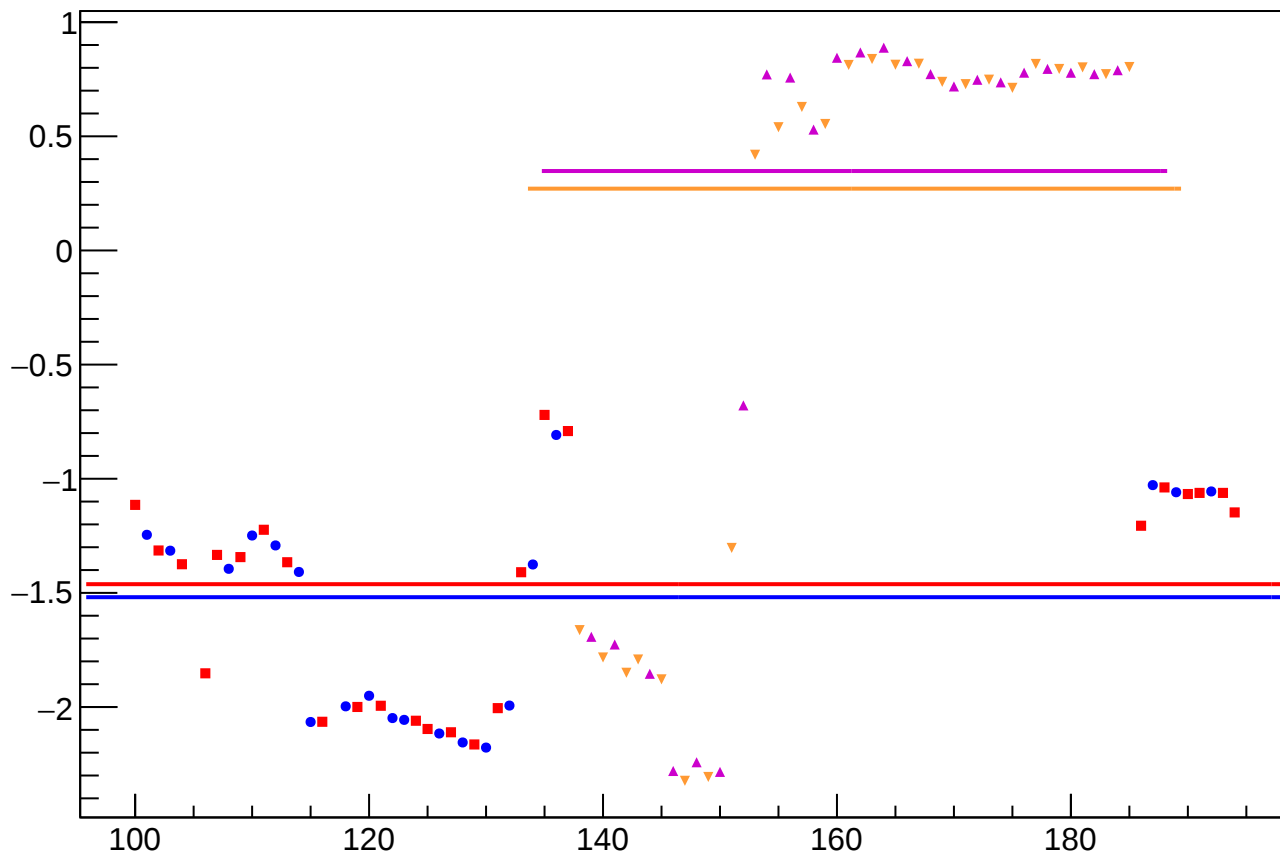
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:1746653.6/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2674122.1/44

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 5442322.2/92

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2764661.2/47

yield_bpm0i01Y_mean vs Slug



Right In: -1.519+/-0.000 χ^2/NDF : 168583980188.5/19

Left Out: 0.271+/-0.000 χ^2/NDF : 2583233987355.9/24

Right Out: -1.462+/-0.000 χ^2/NDF : 162230554232.5/24

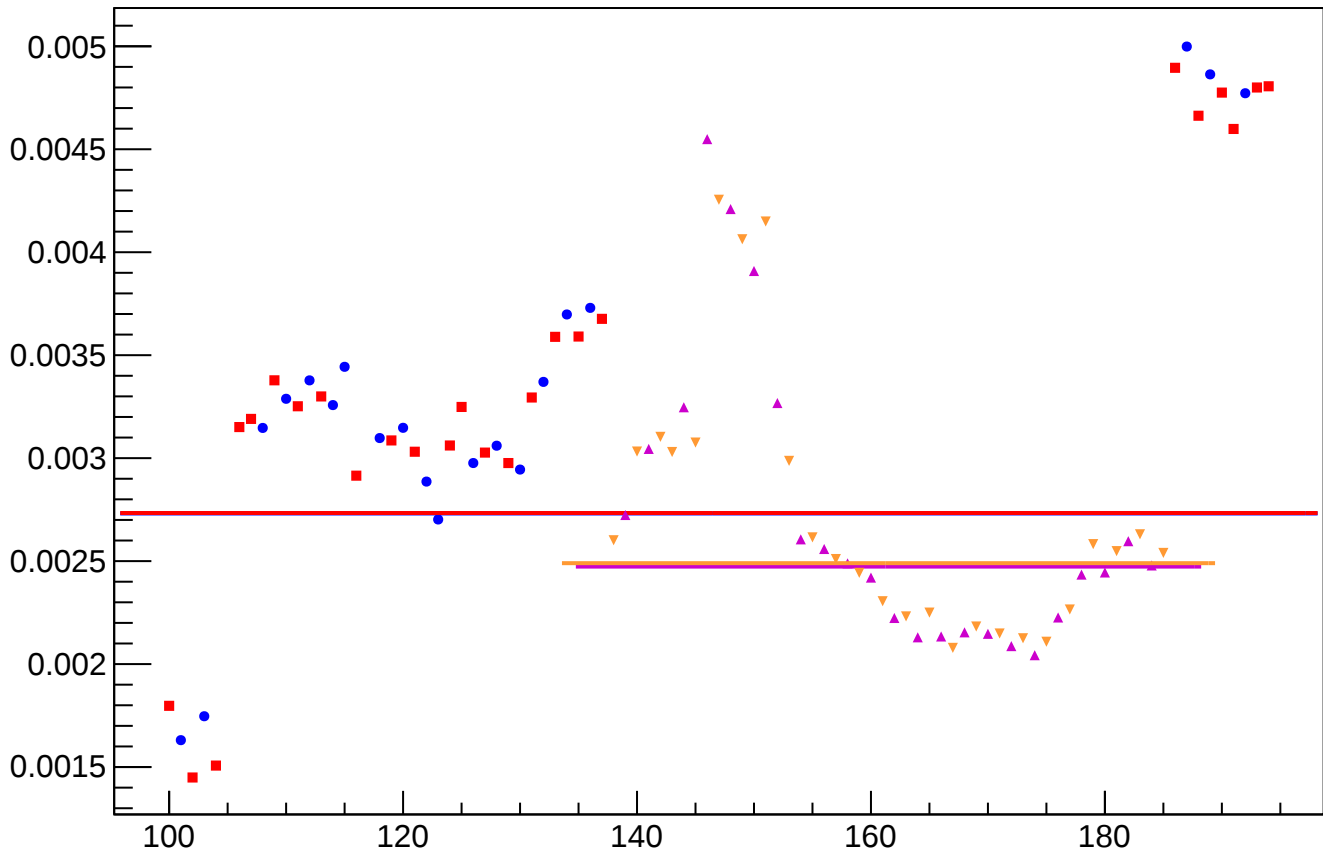
Left In: 0.348+/-0.000 χ^2/NDF : 2274004426513.8/22

+ sign -0.192+/-0.000 χ^2/NDF : 4921883277740.3/4

All: -0.202+/-0.000 χ^2/NDF : 9877617956557

- sign -0.213+/-0.000 χ^2/NDF : 4954954707614.3/4

yield_bpm0i01Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 1613873.7/19

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1070282.7/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 2896693.4/24

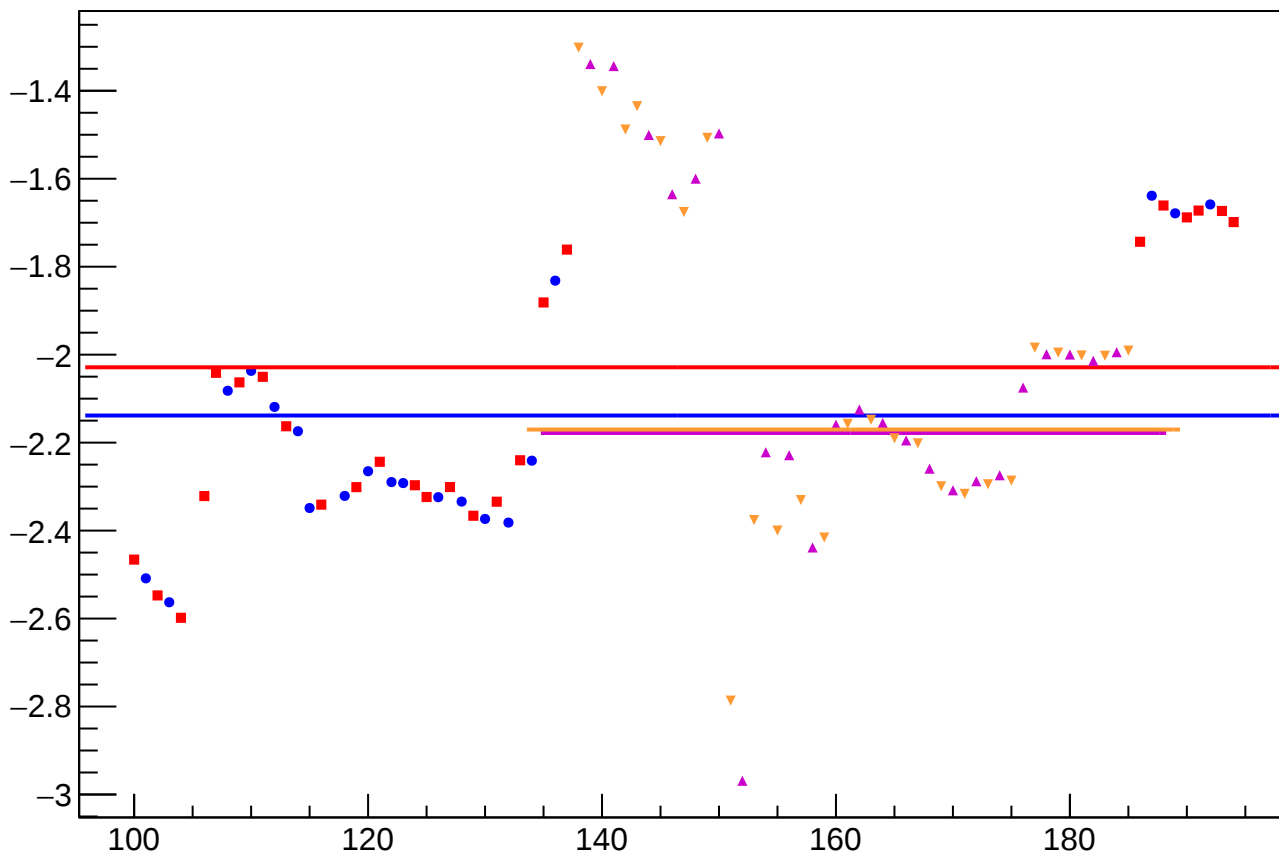
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1135279.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2763146.7/44

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 6899245.7/92

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 4136089.9/47

yield_bpm0i01aX_mean vs Slug



Right In: -2.138 ± 0.000 χ^2/NDF : 20905126031.8/19

Left Out: -2.170 ± 0.000 χ^2/NDF : 59967315241.9/24

Right Out: -2.029 ± 0.000 χ^2/NDF : 31021843594.3/24

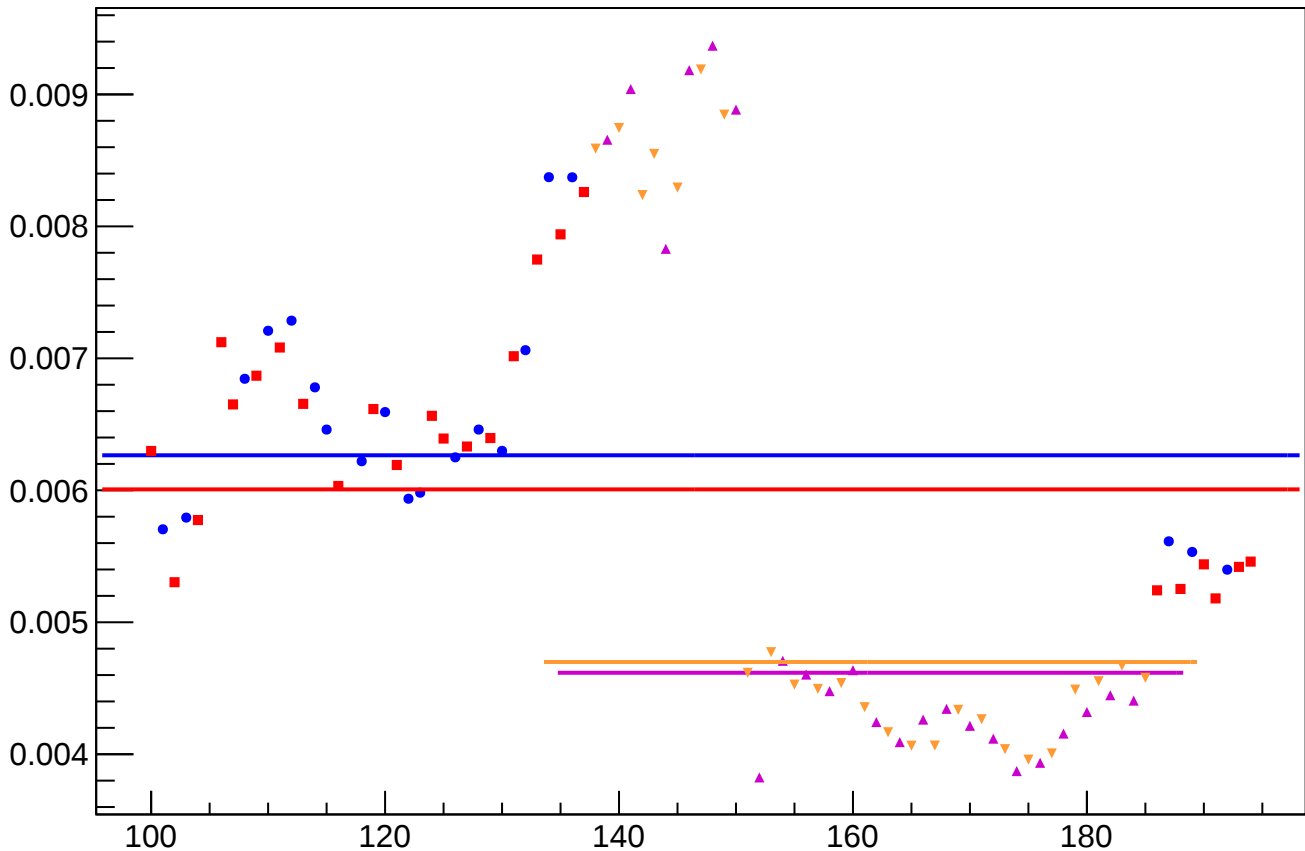
Left In: -2.178 ± 0.000 χ^2/NDF : 73402051113.3/22

+ sign -2.164 ± 0.000 χ^2/NDF : 81033894389.0/44

All: -2.150 ± 0.000 χ^2/NDF : 190309867236.5

- sign -2.137 ± 0.000 χ^2/NDF : 108926313413.0/47

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 262928.3/19

Left Out: 0.005+/-0.000 χ^2/NDF :2319588.7/24

Right Out: 0.006+/-0.000 χ^2/NDF : 346058.6/24

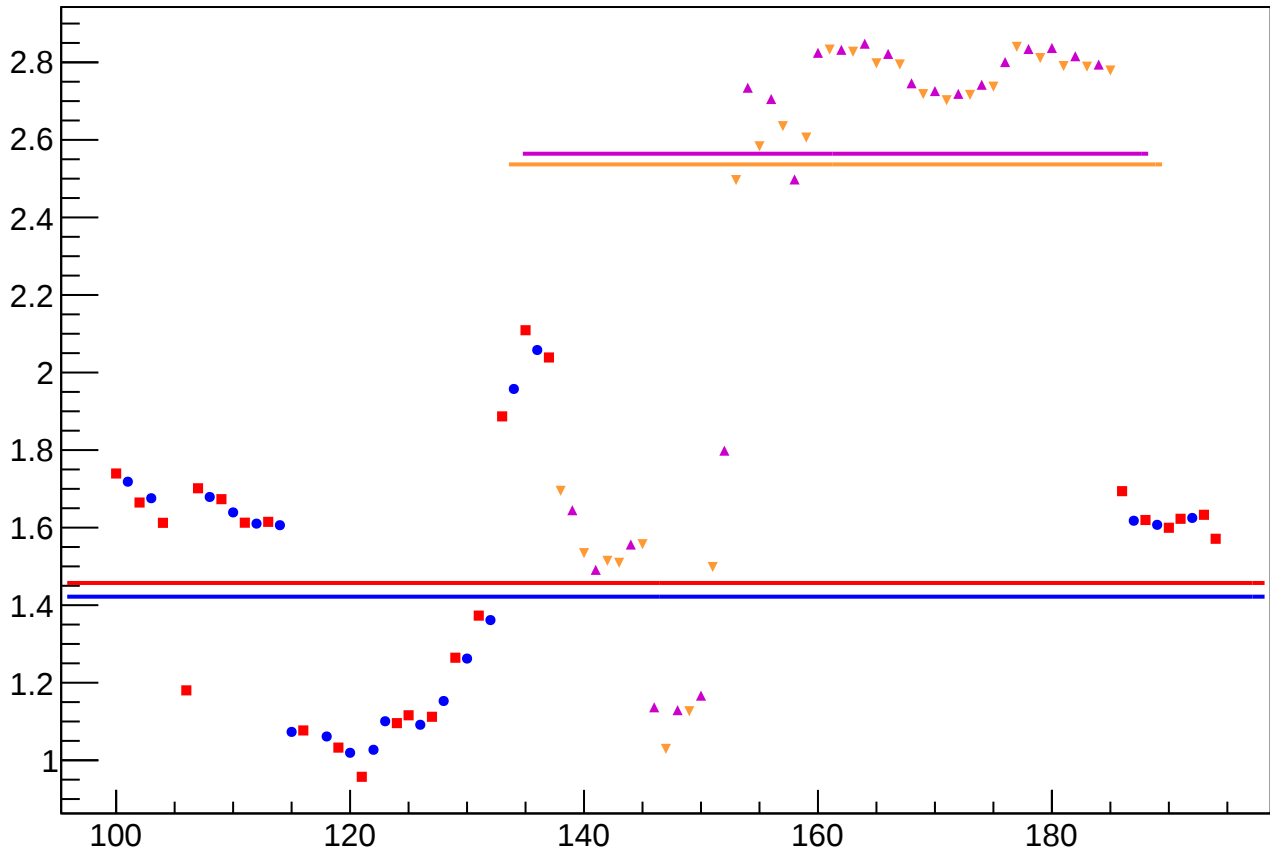
Left In: 0.005+/-0.000 χ^2/NDF :2367440.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 3361683.9/44

All: 0.005+/-0.000 χ^2/NDF : 6855984.5/92

- sign 0.005+/-0.000 χ^2/NDF : 3493541.6/47

yield_bpm0i01aY_mean vs Slug



Right In: 1.422+/-0.000 χ^2/NDF : 173947833385.9/19

Left Out: 2.537+/-0.000 χ^2/NDF : 269554948115.3/24

Right Out: 1.457+/-0.000 χ^2/NDF : 176653741227.2/24

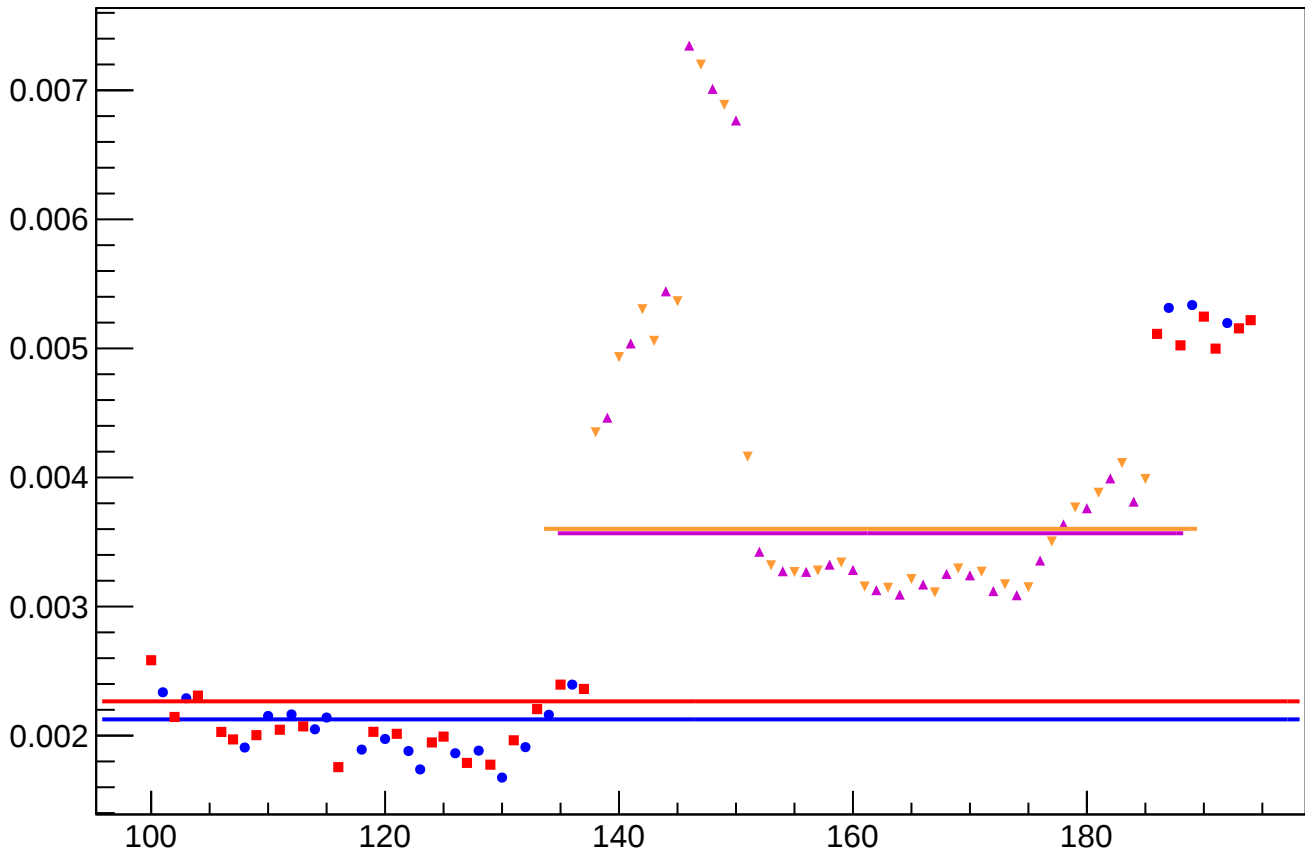
Left In: 2.564+/-0.000 χ^2/NDF : 260287937727.8/22

+ sign 1.924+/-0.000 χ^2/NDF : 1323538020722.0/44

All: 1.922+/-0.000 χ^2/NDF : 2634029129289.

- sign 1.921+/-0.000 χ^2/NDF : 1310475995295.9/47

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 1261449.1/19

Left Out: 0.004+/-0.000 χ^2/NDF :1410717.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 2417296.2/24

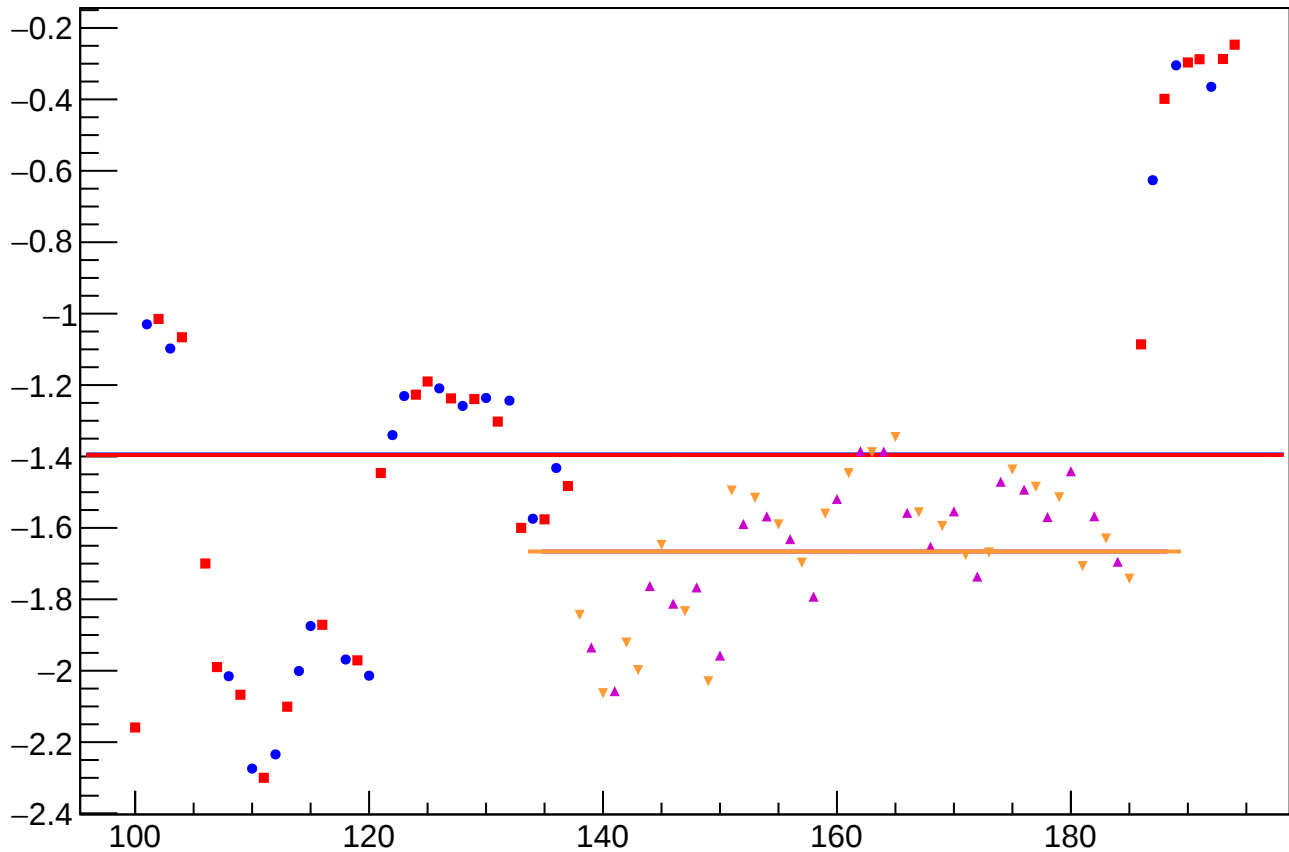
Left In: 0.004+/-0.000 χ^2/NDF :1563028.0/22

+ sign 0.003+/-0.000 χ^2/NDF : 5758828.5/44

All: 0.003+/-0.000 χ^2/NDF : 12158273.6/92

- sign 0.003+/-0.000 χ^2/NDF : 6398279.0/47

yield_bpm0l01X_mean vs Slug



Right In: -1.394+/-0.000 χ^2/NDF : 38491765637.6/19

Left Out: -1.666+/-0.000 χ^2/NDF : 18325162131.2/24

Right Out: -1.396+/-0.000 χ^2/NDF : 72152779676.5/24

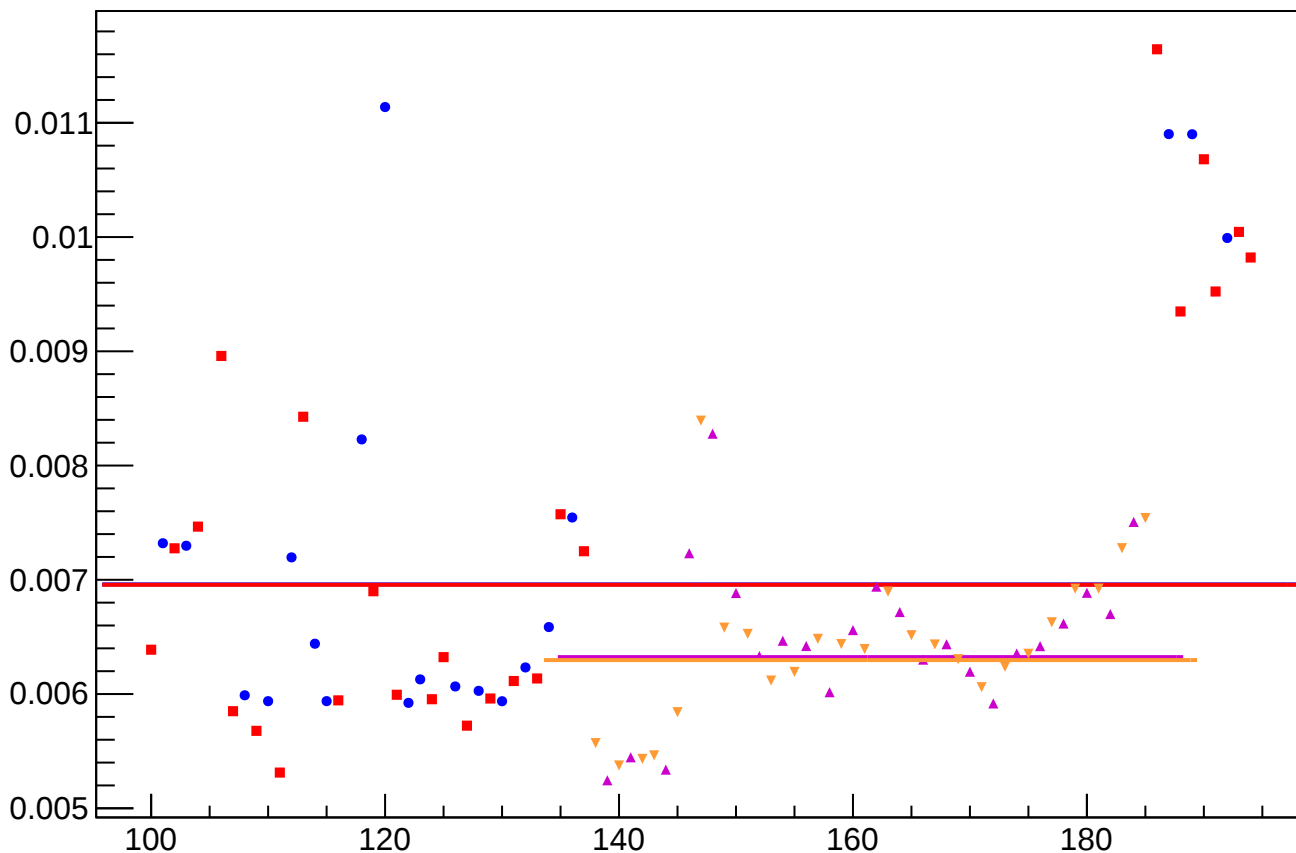
Left In: -1.666+/-0.000 χ^2/NDF : 14292570816.9/22

+ sign -1.596+/-0.000 χ^2/NDF : 65167881077.2/44

All: -1.587+/-0.000 χ^2/NDF : 161422580423.9

- sign -1.578+/-0.000 χ^2/NDF : 96157740524.4/47

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 578135.1/19

Left Out: 0.006+/-0.000 χ^2/NDF : 310757.0/24

Right Out: 0.007+/-0.000 χ^2/NDF : 966330.5/24

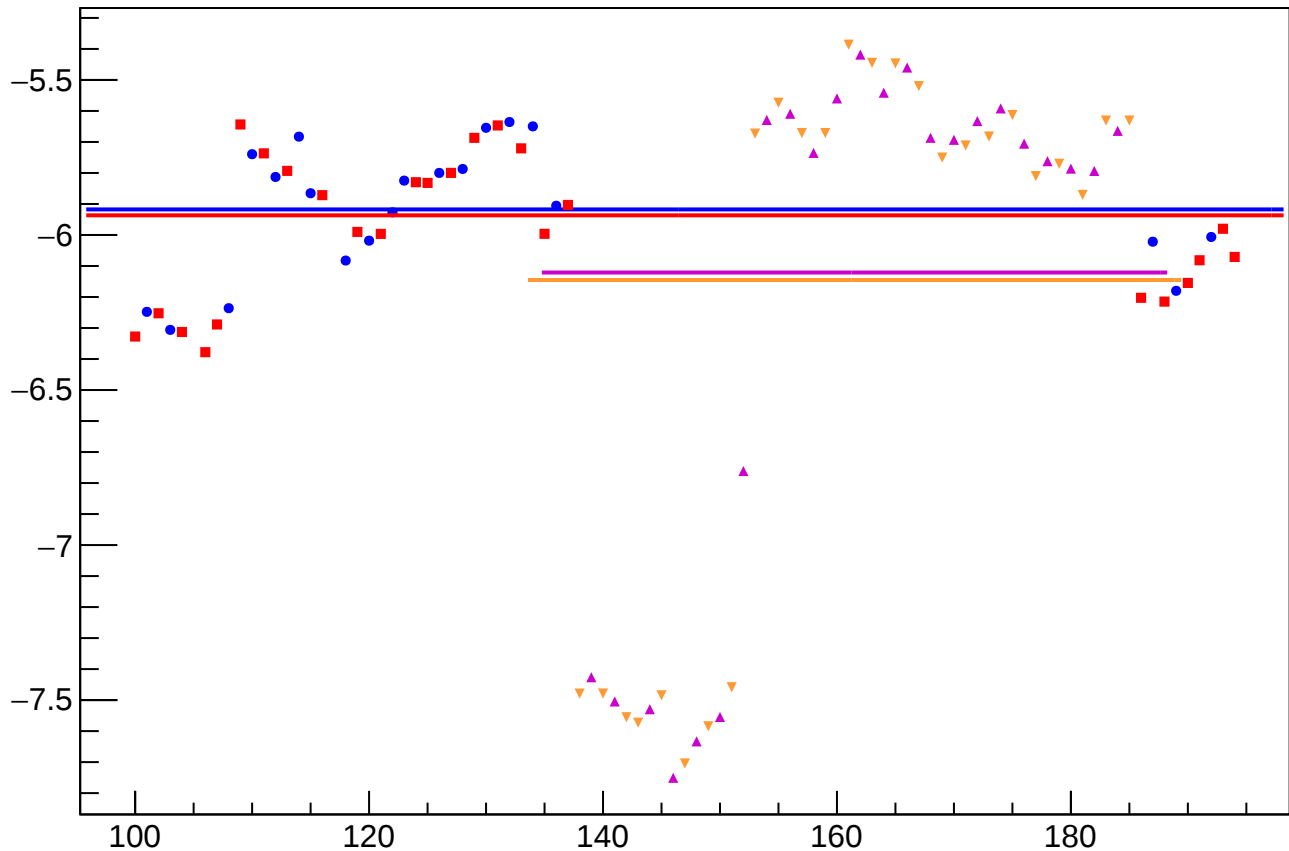
Left In: 0.006+/-0.000 χ^2/NDF : 330859.7/22

+ sign 0.006+/-0.000 χ^2/NDF : 988113.6/44

All: 0.006+/-0.000 χ^2/NDF : 2394223.8/92

- sign 0.007+/-0.000 χ^2/NDF : 1403843.0/47

yield_bpm0l01Y_mean vs Slug



Right In: -5.918+/-0.000 χ^2/NDF : 11395411220.6/19

Left Out: -6.145+/-0.000 χ^2/NDF : 185364150237.7/24

Right Out: -5.937+/-0.000 χ^2/NDF : 13717296274.3/24

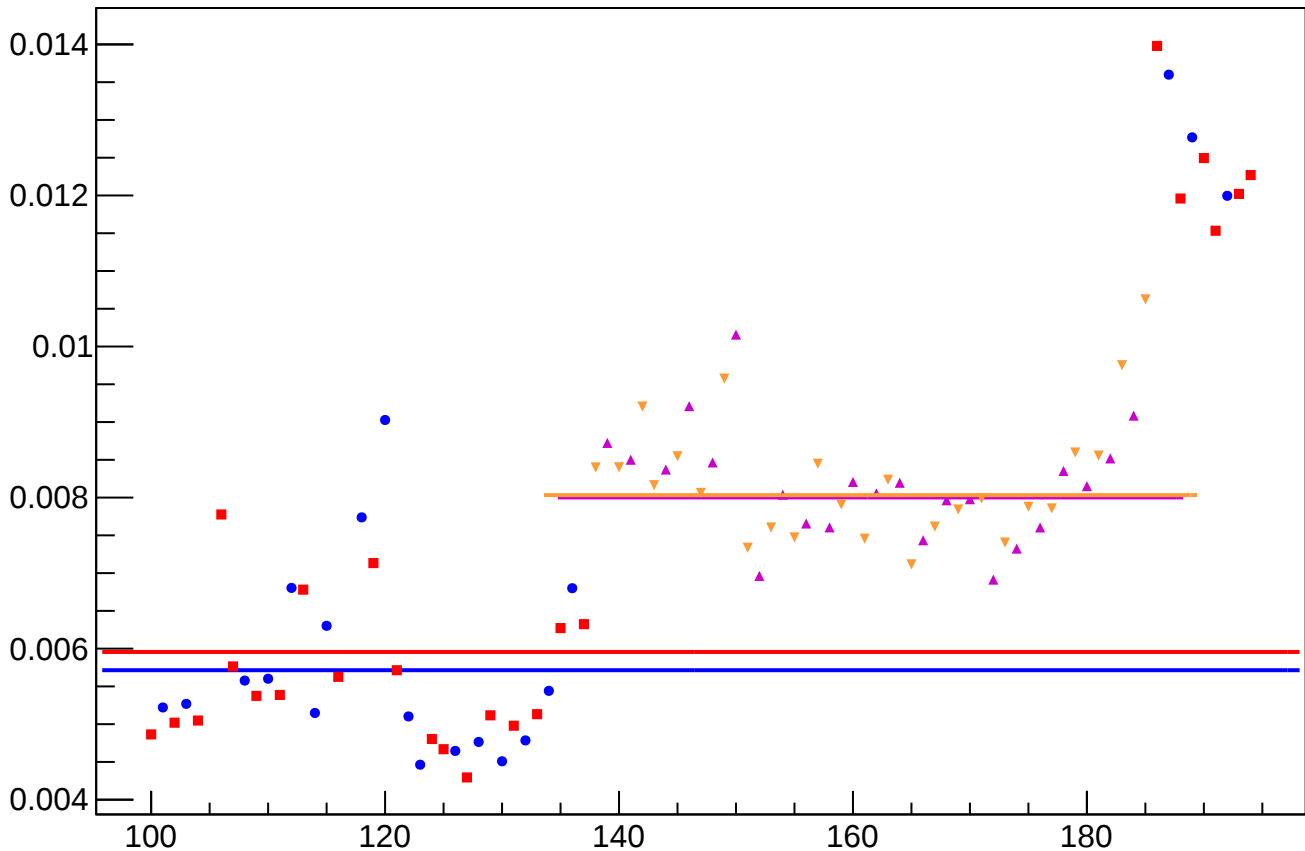
Left In: -6.121+/-0.000 χ^2/NDF : 158315913062.3/22

+ sign -6.042+/-0.000 χ^2/NDF : 202769493650.7/44

All: -6.036+/-0.000 χ^2/NDF : 379024764941.0

- sign -6.029+/-0.000 χ^2/NDF : 176213207928.1/47

yield_bpm0l01Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1257579.6/19

Left Out: 0.008+/-0.000 χ^2/NDF : 205762.2/24

Right Out: 0.006+/-0.000 χ^2/NDF : 2156398.7/24

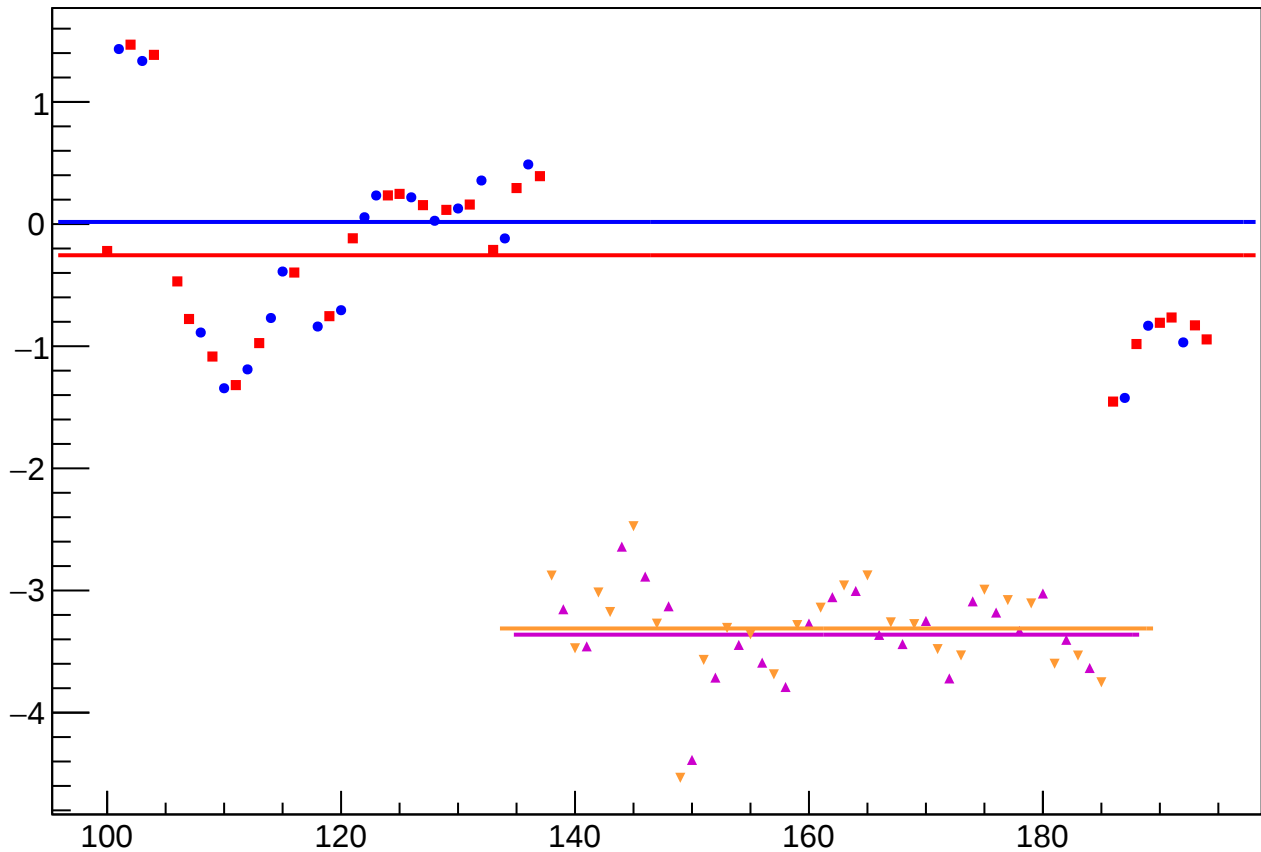
Left In: 0.008+/-0.000 χ^2/NDF : 220756.1/22

+ sign 0.007+/-0.000 χ^2/NDF : 2710589.8/44

All: 0.007+/-0.000 χ^2/NDF : 6115245.1/92

- sign 0.007+/-0.000 χ^2/NDF : 3404650.0/47

yield_bpm0l02X_mean vs Slug



Right In: 0.017+/-0.000 χ^2/NDF : 21794442260.0/19

Left Out: -3.311+/-0.000 χ^2/NDF : 9354397456.2/24

Right Out: -0.255+/-0.000 χ^2/NDF : 28333445118.8/24

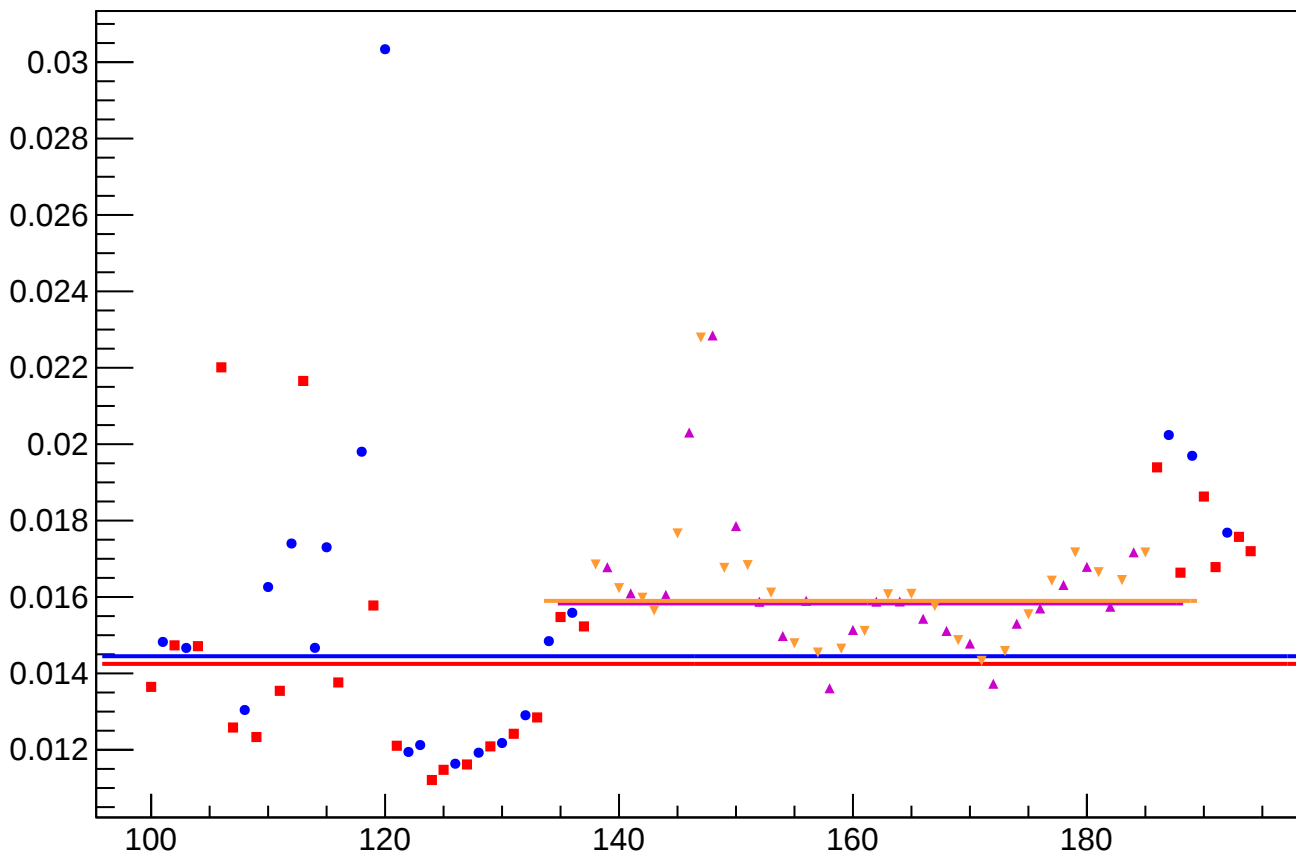
Left In: -3.362+/-0.000 χ^2/NDF : 8171803777.4/22

+ sign -2.204+/-0.000 χ^2/NDF : 288868903324.7/44

All: -2.133+/-0.000 χ^2/NDF : 592680514015.3

- sign -2.068+/-0.000 χ^2/NDF : 302806469651.0/47

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 565129.2/19

Left Out: 0.016+/-0.000 χ^2/NDF : 251912.7/24

Right Out: 0.014+/-0.000 χ^2/NDF : 589045.1/24

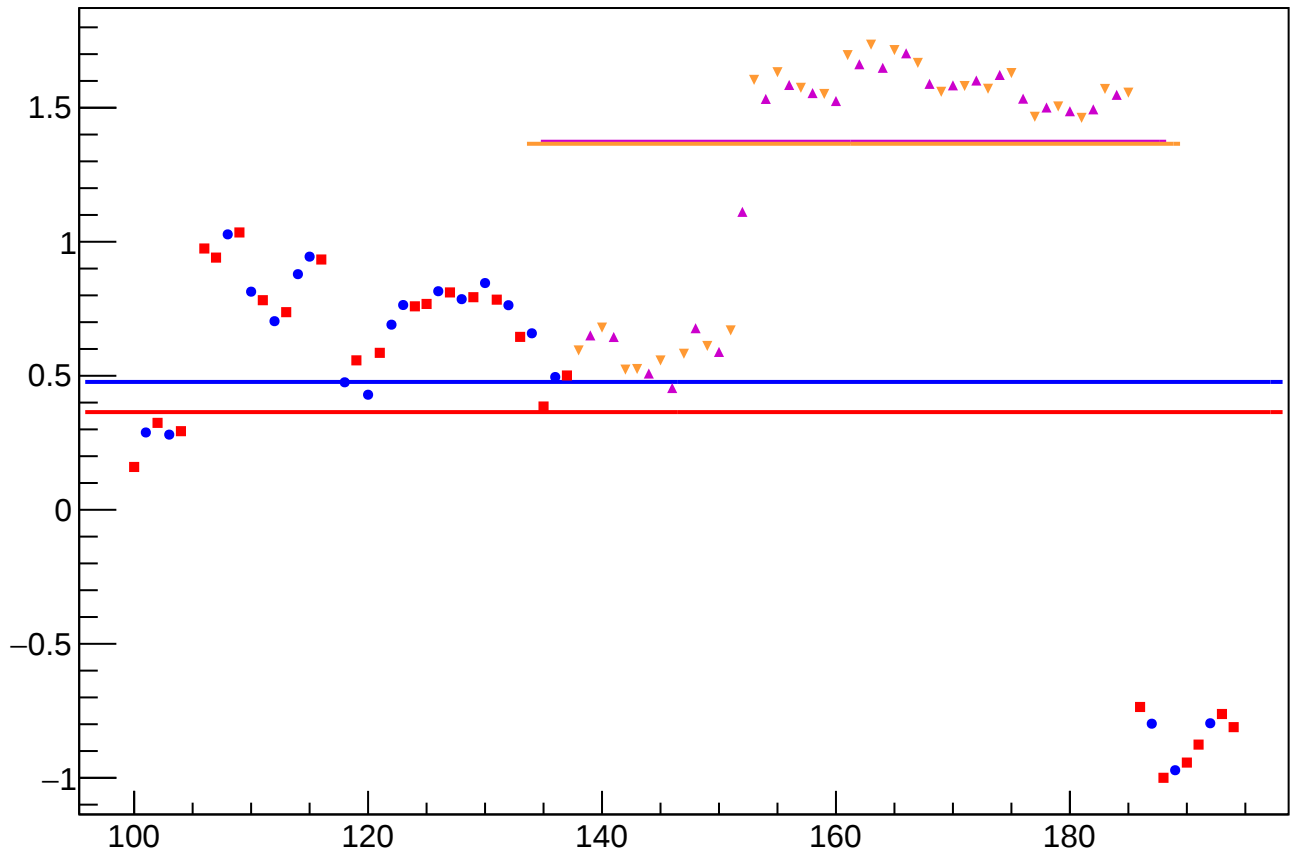
Left In: 0.016+/-0.000 χ^2/NDF : 339542.1/22

+ sign 0.015+/-0.000 χ^2/NDF : 914696.6/44

All: 0.015+/-0.000 χ^2/NDF : 1987816.9/92

- sign 0.015+/-0.000 χ^2/NDF : 1066610.0/47

yield_bpm0l02Y_mean vs Slug



Right In: 0.477 $\pm$ 0.000 χ^2 /NDF: 25054763984.8/19

Left Out: 1.366 $\pm$ 0.000 χ^2 /NDF: 74741956067.9/24

Right Out: 0.365 $\pm$ 0.000 χ^2 /NDF: 48946565021.8/24

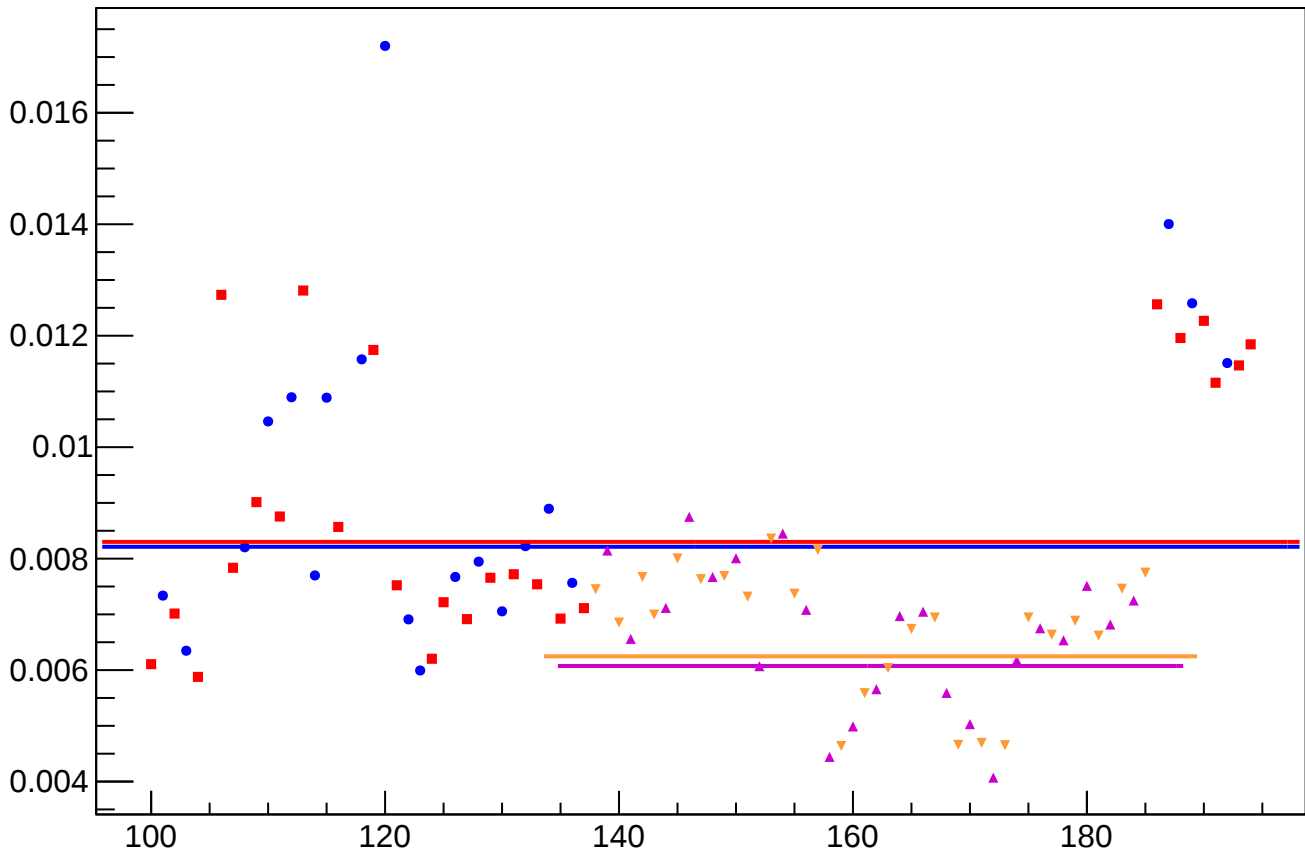
Left In: 1.373 $\pm$ 0.000 χ^2 /NDF: 63413151416.3/22

+ sign 1.190 $\pm$ 0.000 χ^2 /NDF: 166350710252.8/44

All: 1.162 $\pm$ 0.000 χ^2 /NDF: 382075695150.9

- sign 1.135 $\pm$ 0.000 χ^2 /NDF: 214916957761.2/47

yield_bpm0l02Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 796526.6/19

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1330867.5/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 1157218.4/24

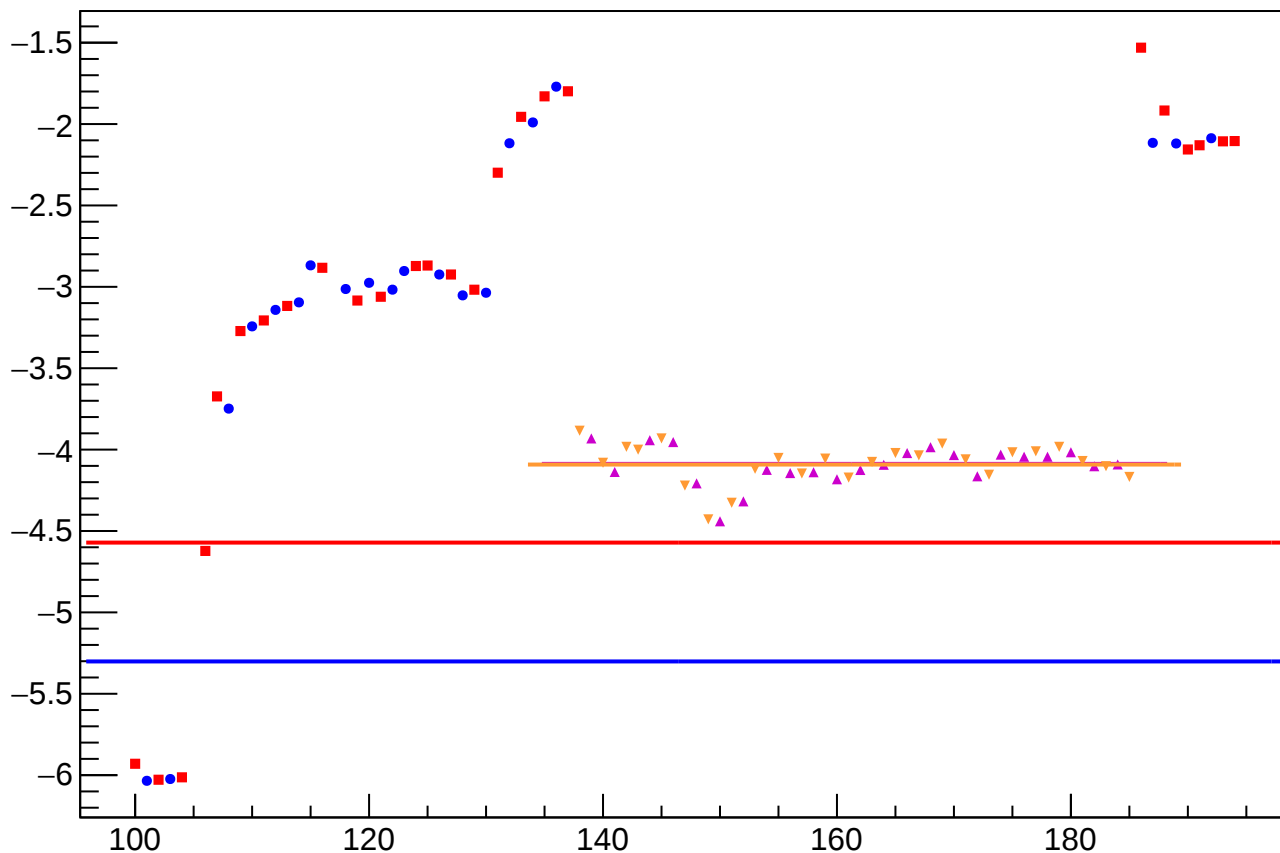
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1431986.5/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 2778835.2/44

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 6368370.8/92

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 3588800.3/47

yield_bpm0l03X_mean vs Slug



Right In: -5.301+/-0.000 χ^2 /NDF: 131097864217.2/19

Left Out: -4.092+/-0.000 χ^2 /NDF: 39806766.7/24

Right Out: -4.571+/-0.000 χ^2 /NDF: 215675971648.0/24

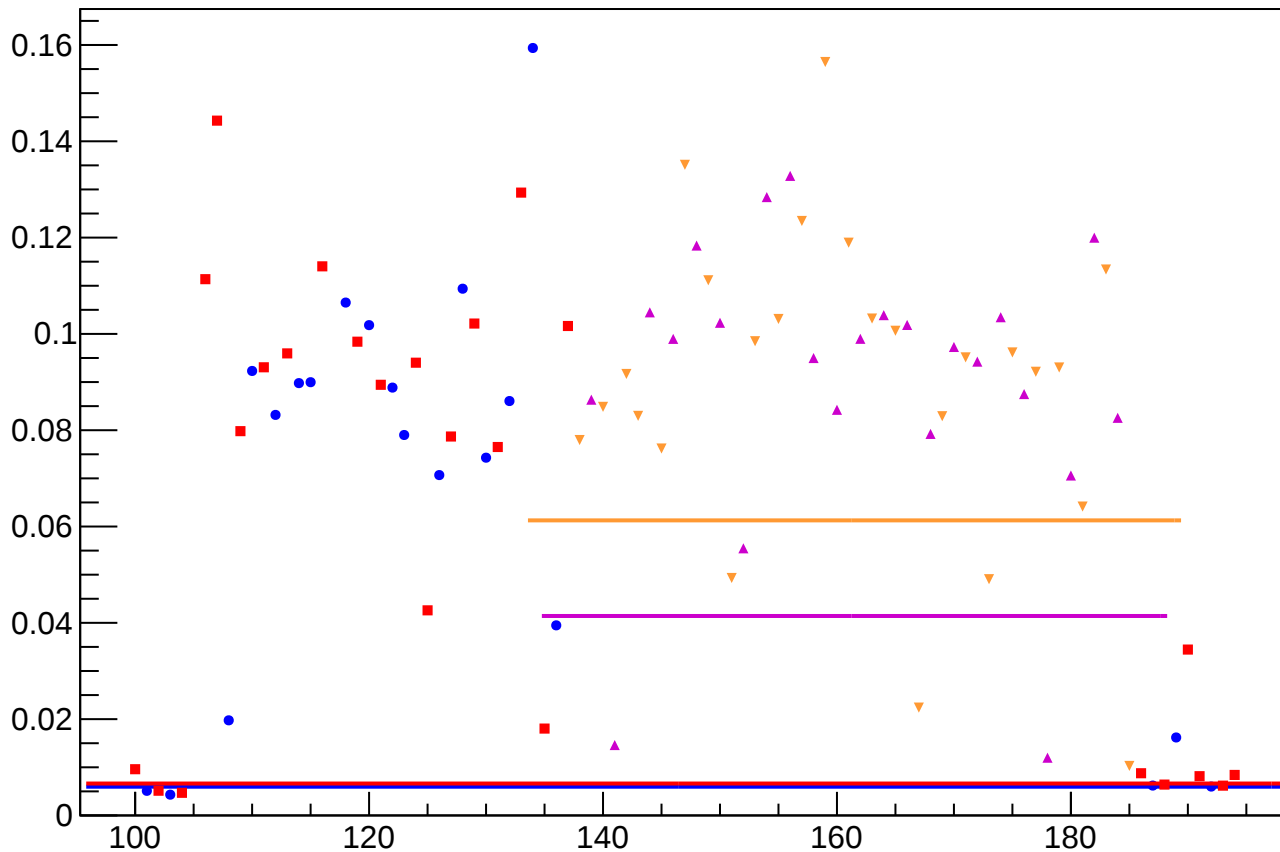
Left In: -4.088+/-0.000 χ^2 /NDF: 34412880.7/22

+ sign -5.242+/-0.000 χ^2 /NDF: 135244825550.1/44

All: -4.883+/-0.000 χ^2 /NDF: 367000411497.6

- sign -4.538+/-0.000 χ^2 /NDF: 216639289146.4/47

yield_bpm0l03X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 7989230.2/19

Left Out: 0.061 $\pm$ 0.000 χ^2 /NDF:8355266.0/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 8689459.9/24

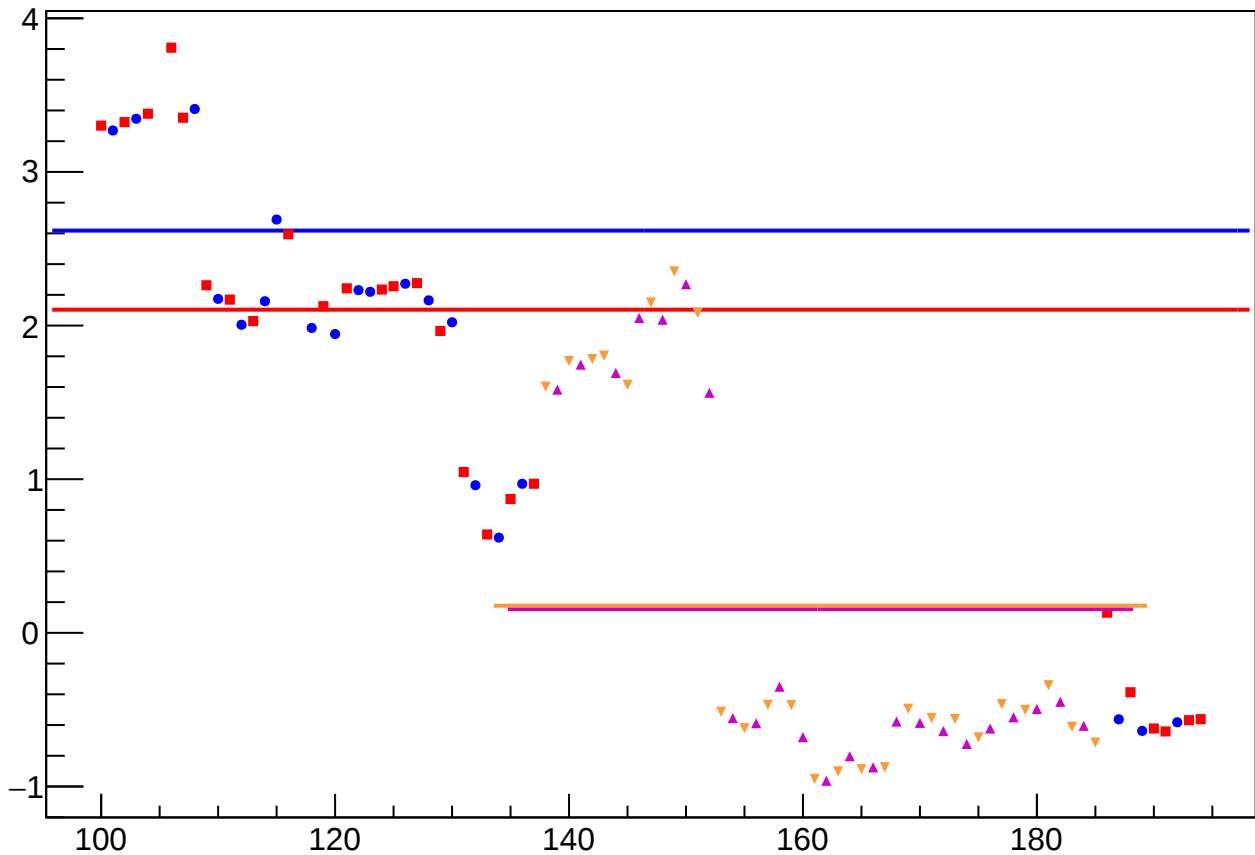
Left In: 0.041 $\pm$ 0.000 χ^2 /NDF:13124468.7/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 33515598.9/44

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 64954942.1/92

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 31433493.5/47

yield_bpm0l03Y_mean vs Slug



Right In: 2.618 $\pm$ 0.000 χ^2 /NDF: 73785622868.1/19

Left Out: 0.177 $\pm$ 0.000 χ^2 /NDF: 3275313367.7/24

+ sign 2.468 $\pm$ 0.000 χ^2 /NDF: 89743980317.1/44

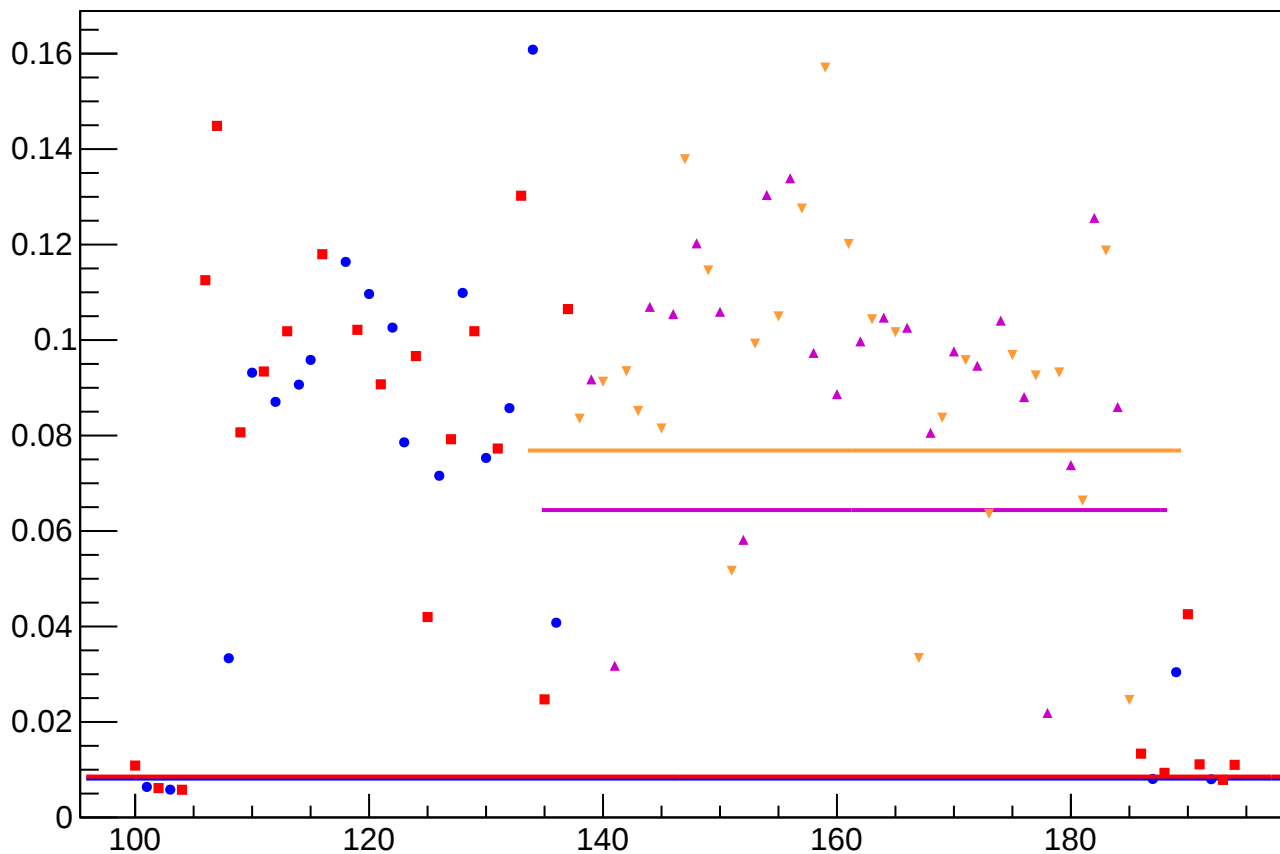
Right Out: 2.103 $\pm$ 0.000 χ^2 /NDF: 121694250651.3/24

All: 2.211 $\pm$ 0.000 χ^2 /NDF: 228387523108.0

- sign 1.982 $\pm$ 0.000 χ^2 /NDF: 134044903617.0/47

Left In: 0.154 $\pm$ 0.000 χ^2 /NDF: 3163553595.0/22

yield_bpm0l03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7891539.5/19

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF: 4217954.3/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 8583232.9/24

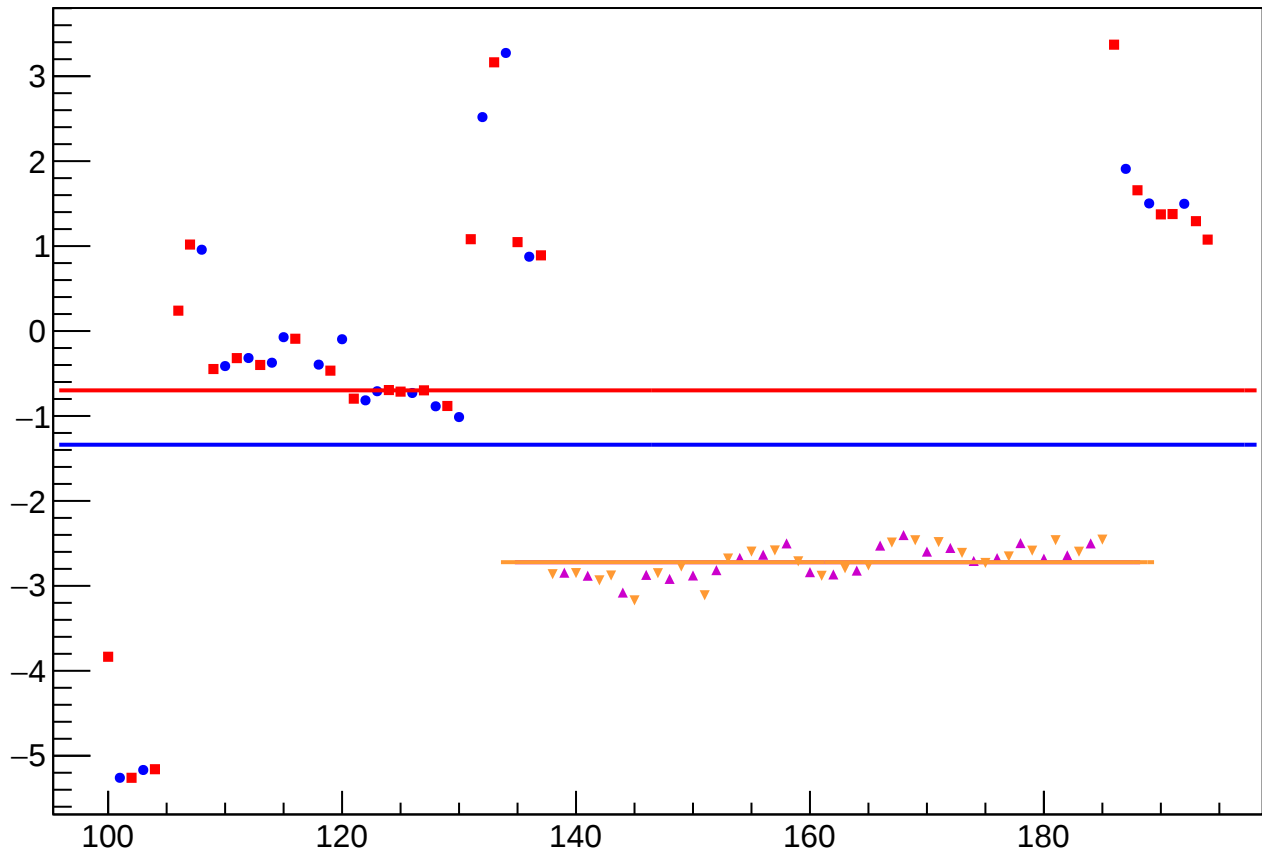
Left In: 0.064 $\pm$ 0.000 χ^2 /NDF: 6990231.5/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 32209697.3/44

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 62856412.2/92

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 30642823.8/47

yield_bpm0l04X_mean vs Slug



Right In: -1.338 ± 0.000 χ^2/NDF : 193400907073.2/19

Left Out: -2.721 ± 0.000 χ^2/NDF : 10397156971.6/24

Right Out: -0.699 ± 0.000 χ^2/NDF : 225163697884.7/24

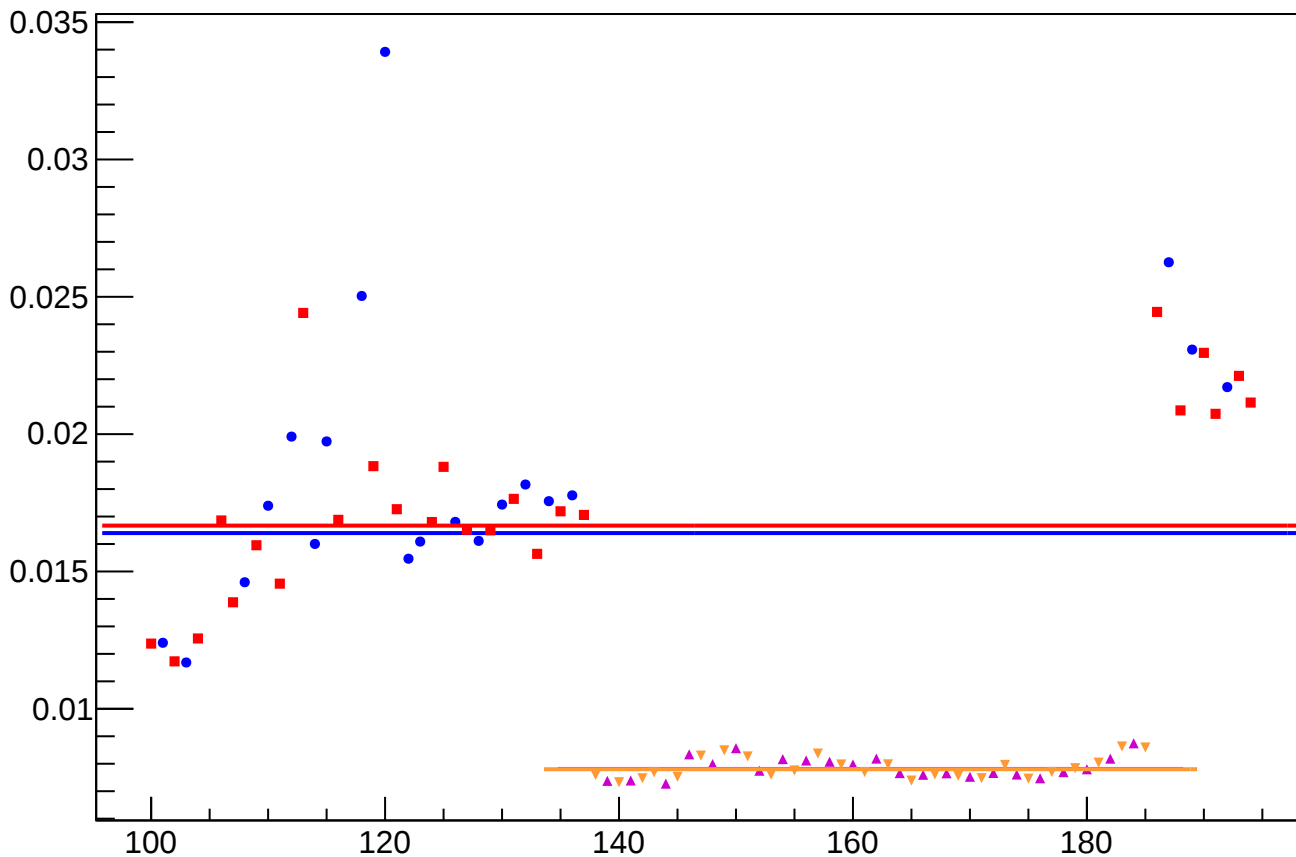
Left In: -2.722 ± 0.000 χ^2/NDF : 8146484592.1/22

+ sign -2.608 ± 0.000 χ^2/NDF : 249163621506.6/44

All: -2.556 ± 0.000 χ^2/NDF : 606138869590.2

- sign -2.502 ± 0.000 χ^2/NDF : 355202367951.4/47

yield_bpm0l04X_rms vs Slug



Right In: 0.016 $\pm$ 0.000 χ^2 /NDF: 824326.2/19

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 71164.4/24

Right Out: 0.017 $\pm$ 0.000 χ^2 /NDF: 812701.3/24

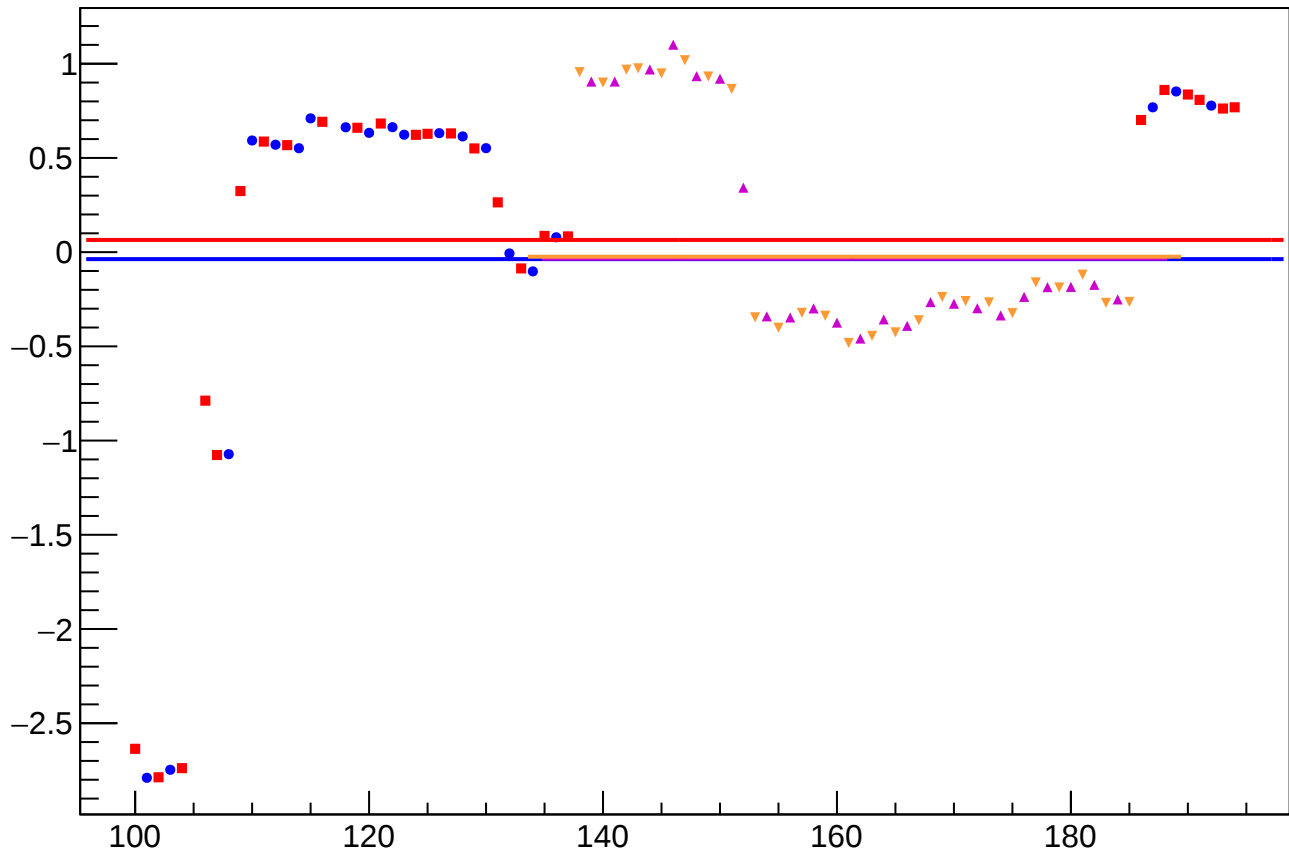
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 67610.2/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 4403058.7/44

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 9980041.0/92

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 5553769.3/47

yield_bpm0l04Y_mean vs Slug



Right In: -0.037 $\pm$ 0.000 χ^2 /NDF: 764259515255.9/19

Left Out: -0.024 $\pm$ 0.000 χ^2 /NDF:135451649275.0/24

Right Out: 0.065 $\pm$ 0.000 χ^2 /NDF: 859877837226.7/24

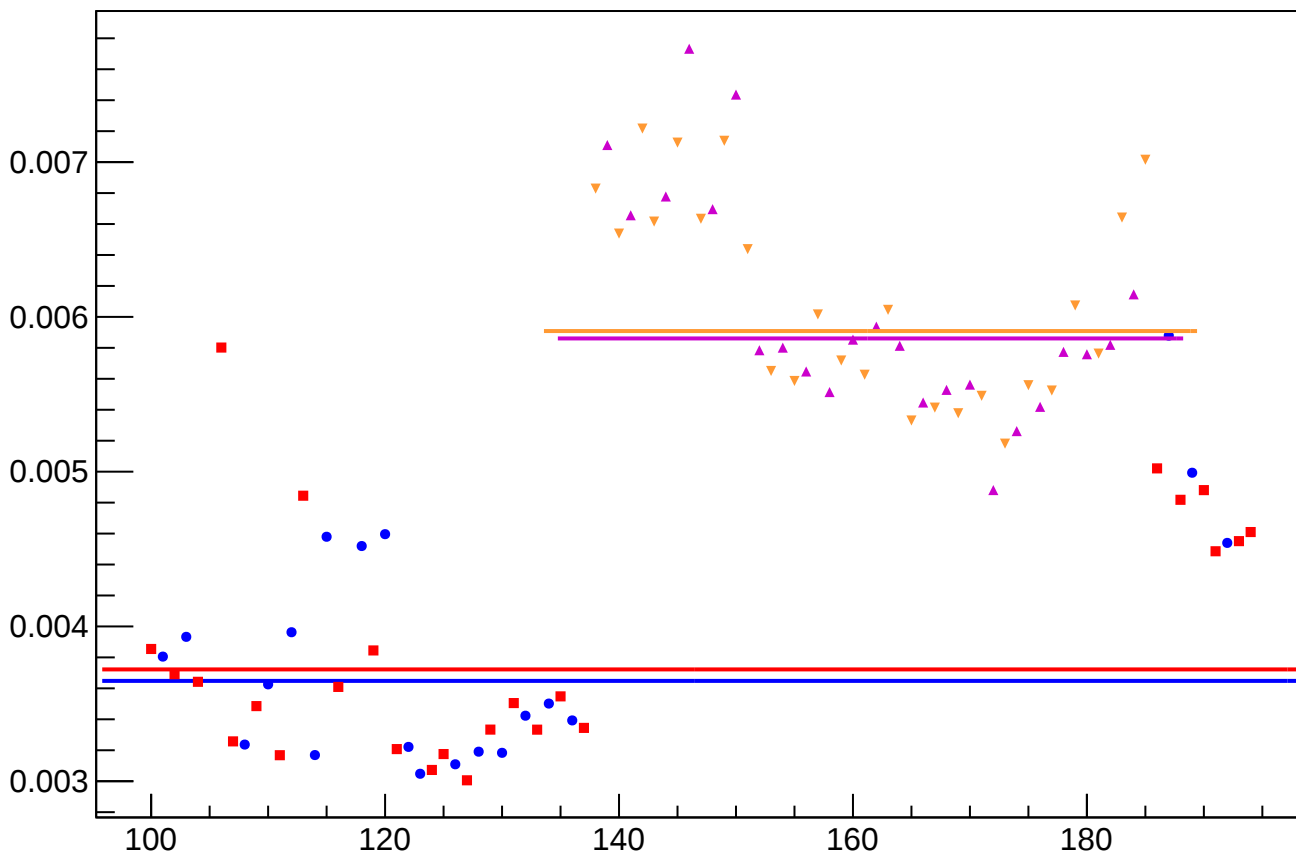
Left In: -0.034 $\pm$ 0.000 χ^2 /NDF:113929060918.1/22

+ sign -0.031 $\pm$ 0.000 χ^2 /NDF: 899754366367.8/44

All: -0.001 $\pm$ 0.000 χ^2 /NDF: 1878101450184

- sign 0.025 $\pm$ 0.000 χ^2 /NDF: 976568983628.3/47

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 363048.2/19

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:314309.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 581681.5/24

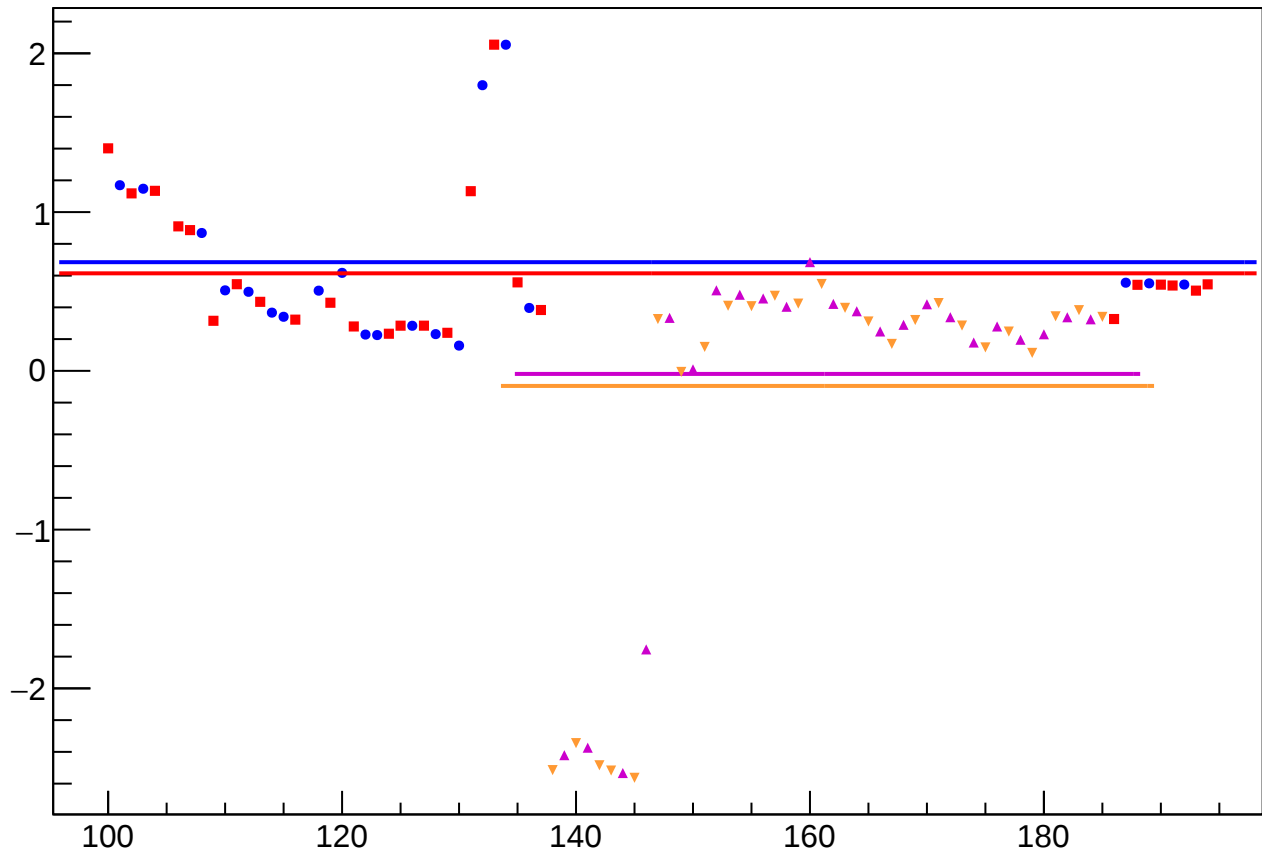
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:364512.1/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3358170.9/44

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 6882762.6/92

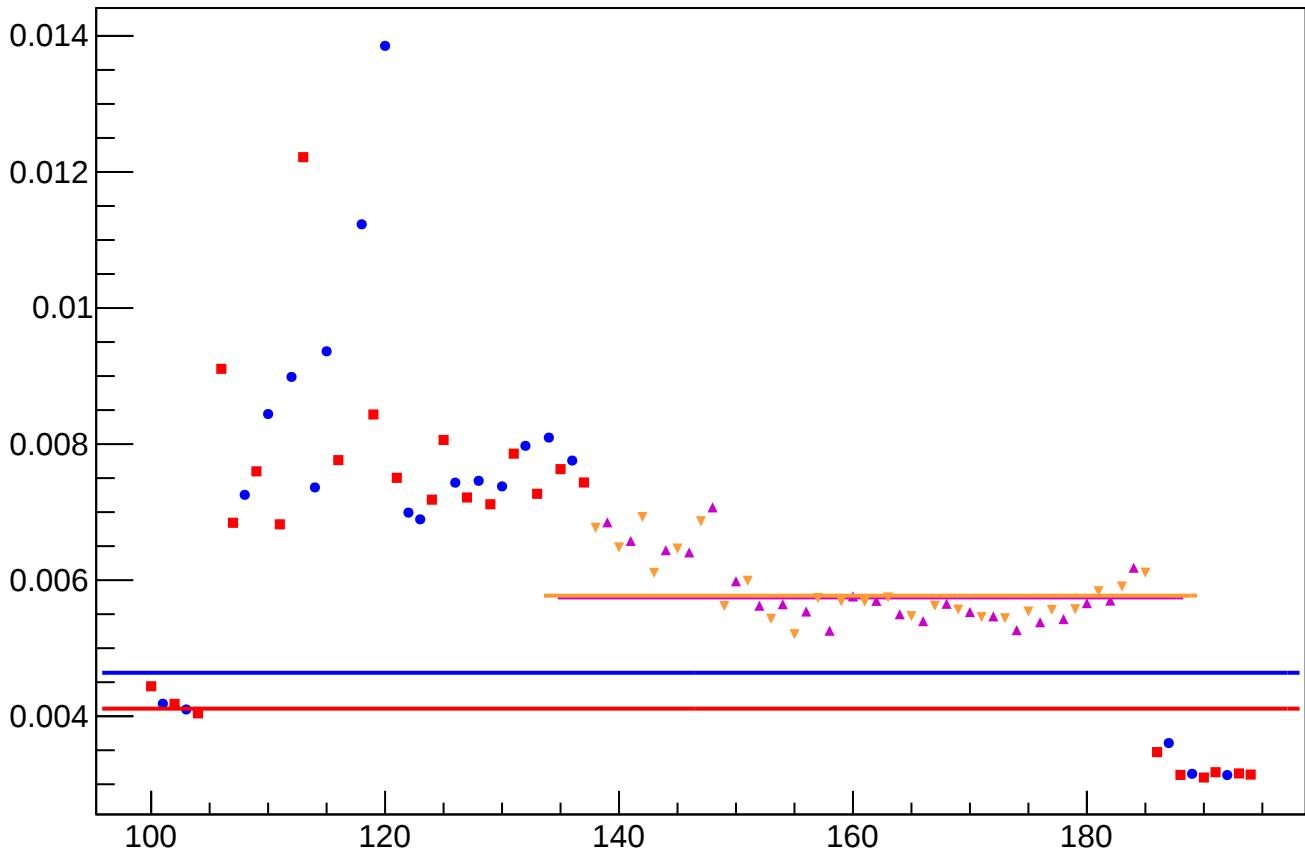
- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3511674.5/47

yield_bpm0l05X_mean vs Slug



Right In: 0.685 $\pm$ 0.000	χ^2 /NDF: 37337248713.5/19	+ sign 0.183 $\pm$ 0.000	χ^2 /NDF: 654465241997.2/44
Left Out: -0.095 $\pm$ 0.000	χ^2 /NDF: 505606573631.9/24	All: 0.245 $\pm$ 0.000	χ^2 /NDF: 1220487509404.
Right Out: 0.614 $\pm$ 0.000	χ^2 /NDF: 45049760715.5/24	- sign 0.295 $\pm$ 0.000	χ^2 /NDF: 560458172426.9/47
Left In: -0.019 $\pm$ 0.000	χ^2 /NDF: 417104863944.5/22		

yield_bpm0l05X_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 2507954.6/19

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:177680.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 2912979.7/24

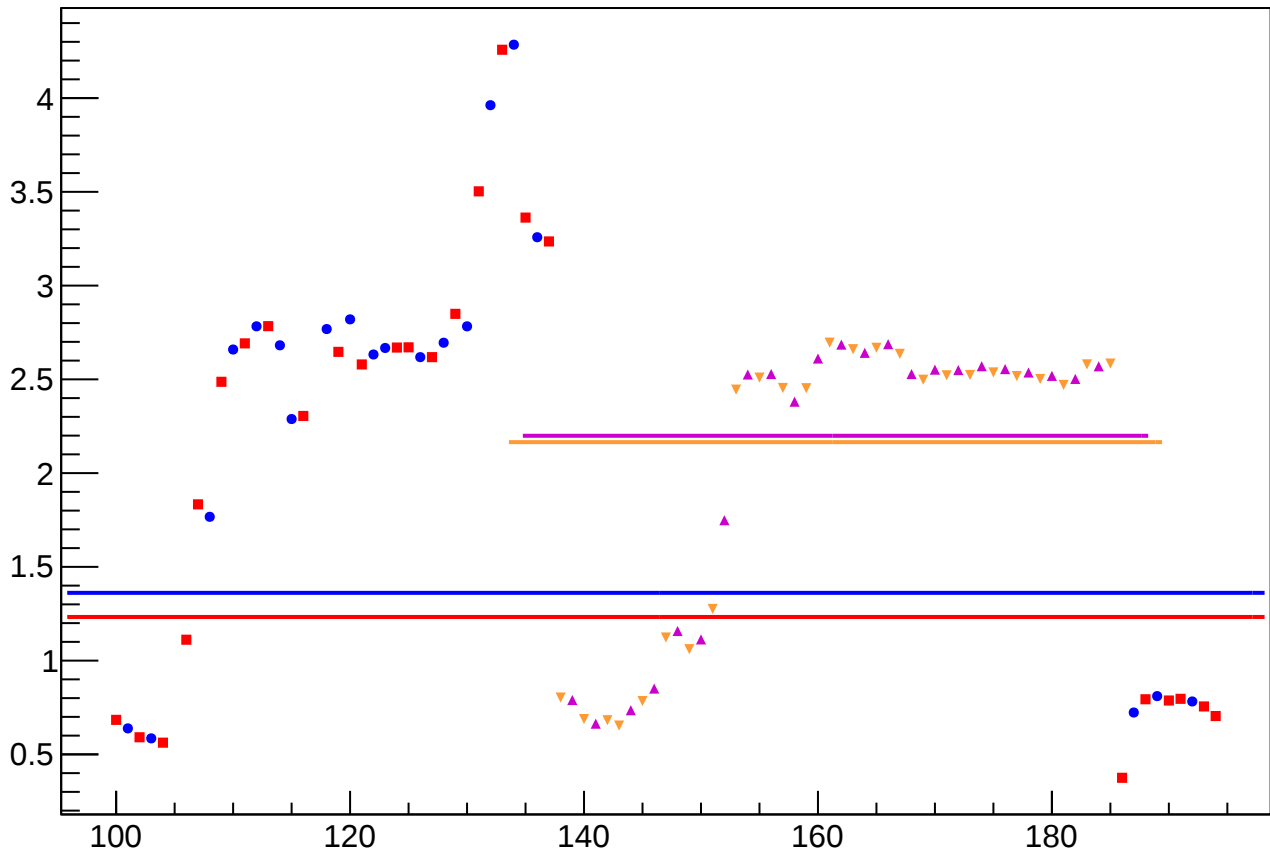
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:204066.4/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3156768.0/44

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 7748038.3/92

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 4425926.4/47

yield_bpm0l05Y_mean vs Slug



Right In: 1.361+/-0.000 χ^2/NDF : 232870061536.2/19

Left Out: 2.165+/-0.000 χ^2/NDF : 292800056899.6/24

Right Out: 1.233+/-0.000 χ^2/NDF : 298488202732.7/24

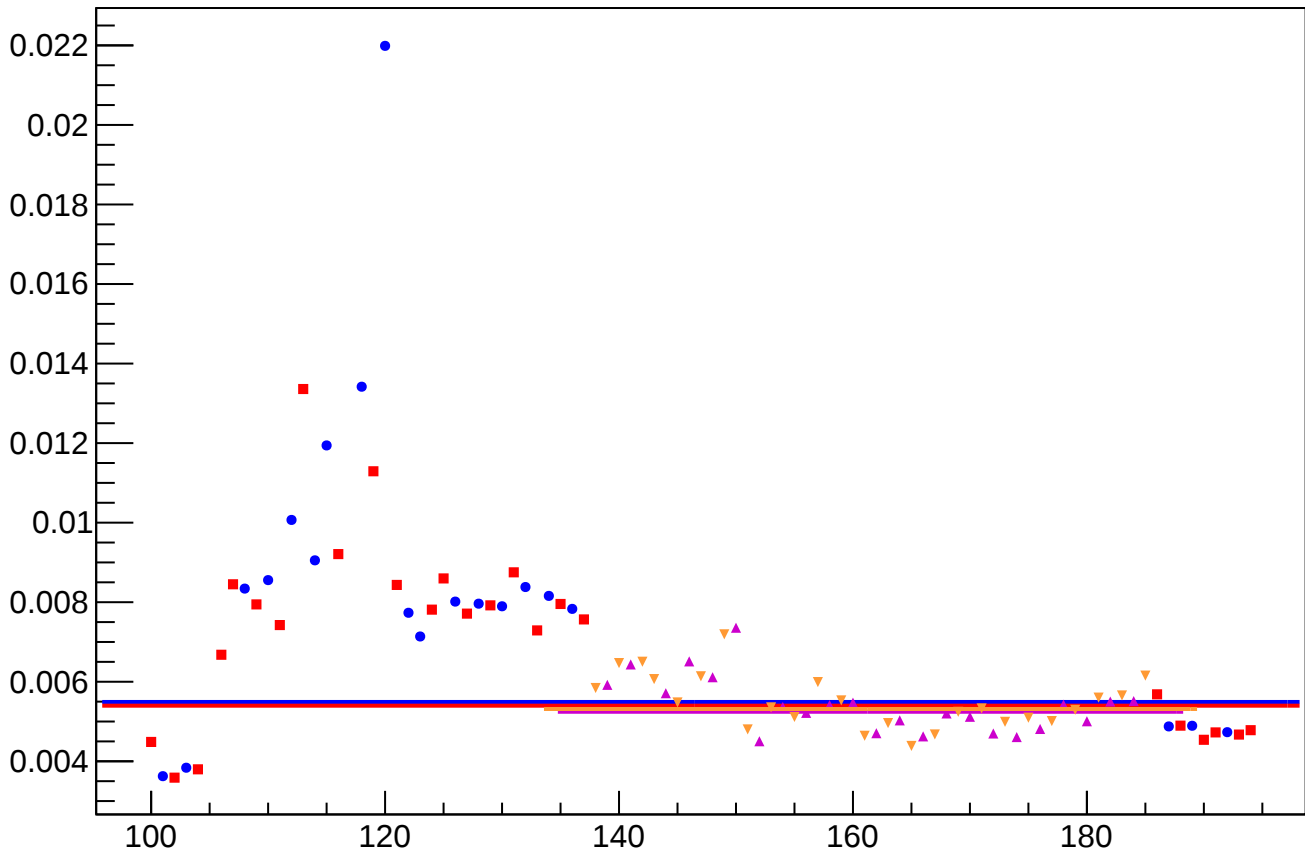
Left In: 2.199+/-0.000 χ^2/NDF : 253166239065.4/22

+ sign 1.956+/-0.000 χ^2/NDF : 624218147992.3/44

All: 1.912+/-0.000 χ^2/NDF : 1359801301795.

- sign 1.872+/-0.000 χ^2/NDF : 732637077500.9/47

yield_bpm0l05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 2000686.4/19

Left Out: 0.005+/-0.000 χ^2/NDF :398795.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1874810.2/24

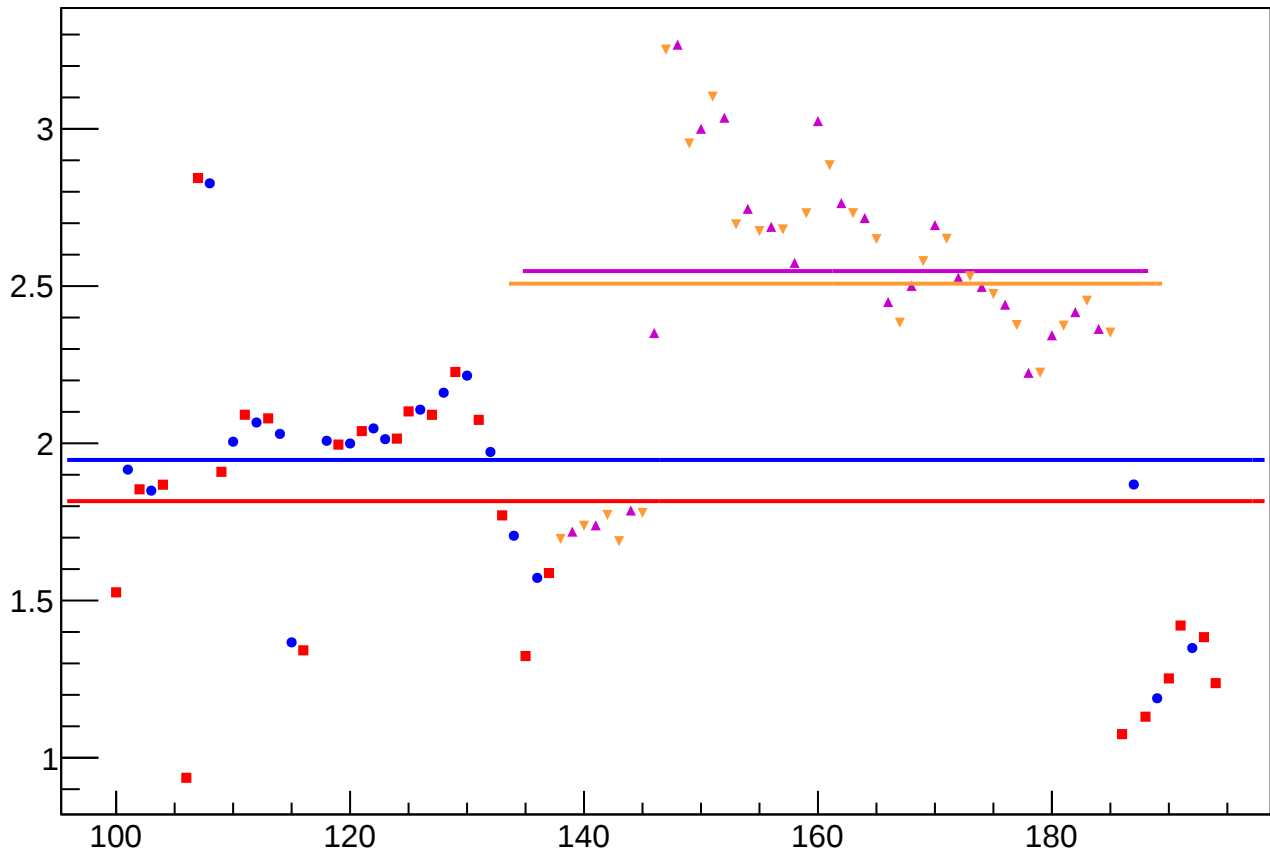
Left In: 0.005+/-0.000 χ^2/NDF :425864.8/22

+ sign 0.005+/-0.000 χ^2/NDF : 2408985.1/44

All: 0.005+/-0.000 χ^2/NDF : 4722057.5/92

- sign 0.005+/-0.000 χ^2/NDF : 2309693.1/47

yield_bpm0l06X_mean vs Slug



Right In: 1.947 $\pm$ 0.000 χ^2 /NDF: 18774065878.0/19

Left Out: 2.508 $\pm$ 0.000 χ^2 /NDF: 52355332406.0/24

Right Out: 1.816 $\pm$ 0.000 χ^2 /NDF: 35424785828.9/24

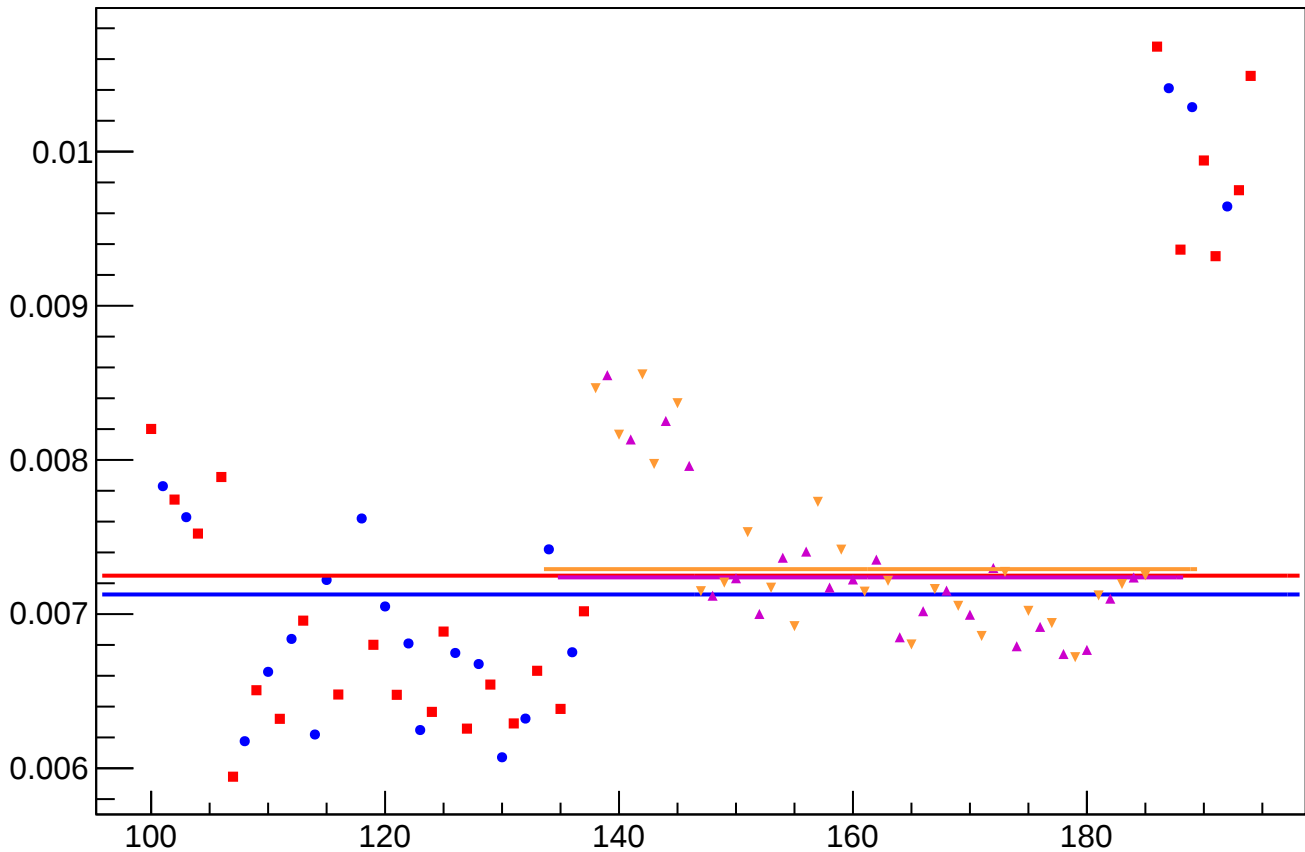
Left In: 2.548 $\pm$ 0.000 χ^2 /NDF: 45350336058.7/22

+ sign 2.331 $\pm$ 0.000 χ^2 /NDF: 103723007512.2/44

All: 2.304 $\pm$ 0.000 χ^2 /NDF: 247789696492.9

- sign 2.278 $\pm$ 0.000 χ^2 /NDF: 143376853463.1/47

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 339027.3/19

Left Out: 0.007+/-0.000 χ^2/NDF :140788.4/24

Right Out: 0.007+/-0.000 χ^2/NDF : 647708.0/24

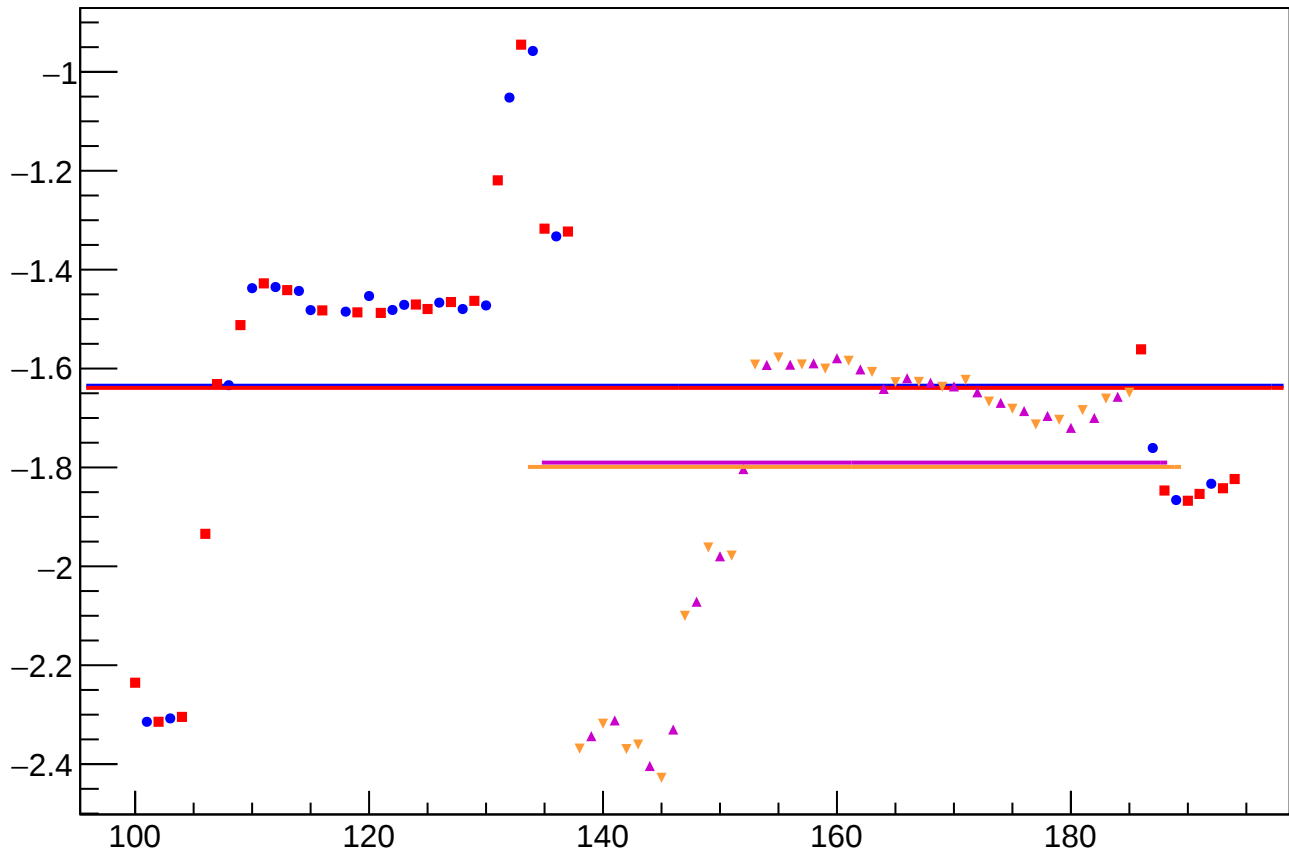
Left In: 0.007+/-0.000 χ^2/NDF :125233.2/22

+ sign 0.007+/-0.000 χ^2/NDF : 485410.8/44

All: 0.007+/-0.000 χ^2/NDF : 1258384.7/92

- sign 0.007+/-0.000 χ^2/NDF : 772970.8/47

yield_bpm0l06Y_mean vs Slug



Right In: -1.635+/-0.000 χ^2/NDF : 147109369187.5/19

Left Out: -1.799+/-0.000 χ^2/NDF : 185362087438.8/24

Right Out: -1.639+/-0.000 χ^2/NDF : 158662482687.6/24

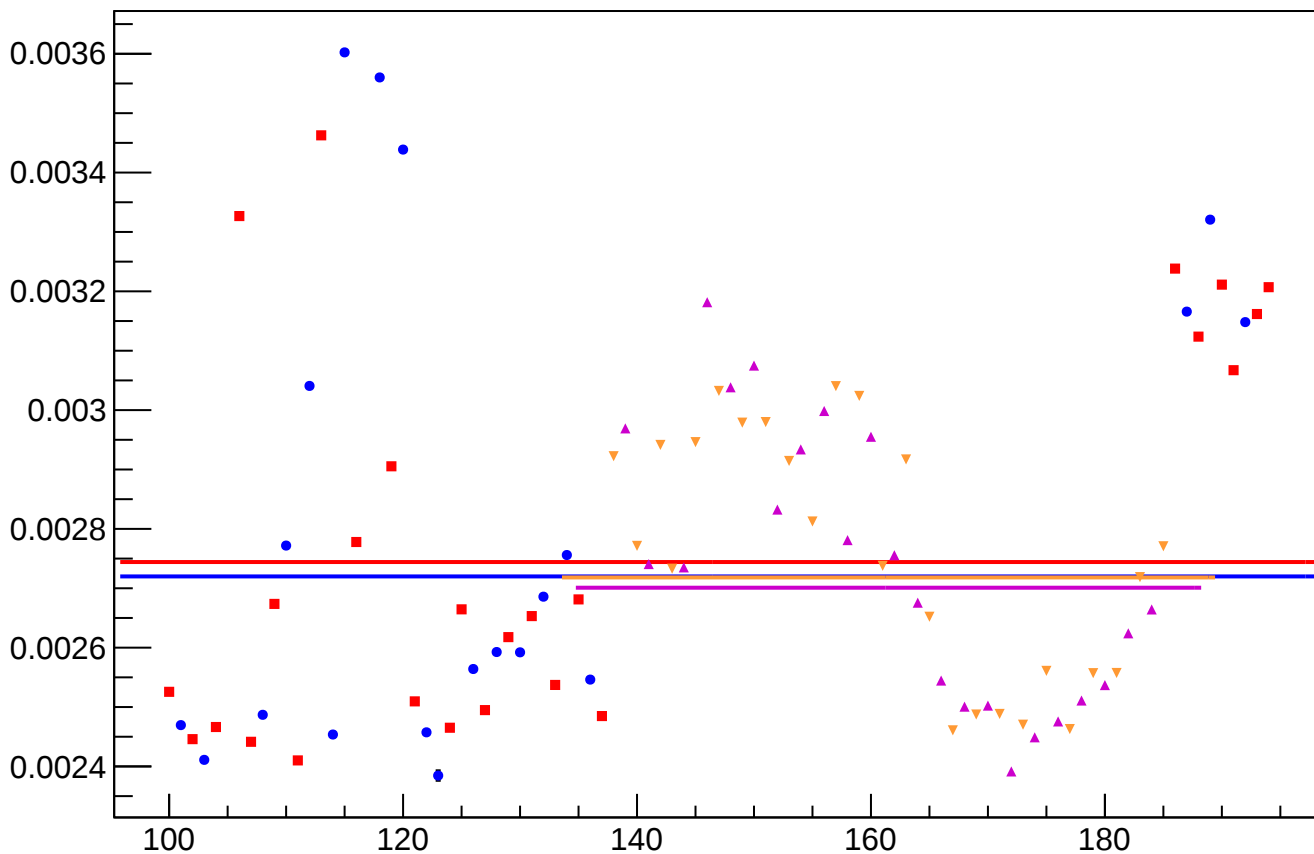
Left In: -1.790+/-0.000 χ^2/NDF : 159648935510.8/22

+ sign -1.749+/-0.000 χ^2/NDF : 351971559066.5/44

All: -1.742+/-0.000 χ^2/NDF : 689375143994.5

- sign -1.735+/-0.000 χ^2/NDF : 337096997510.0/47

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 231499.0/19

Left Out: 0.003+/-0.000 χ^2/NDF :199695.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 252069.5/24

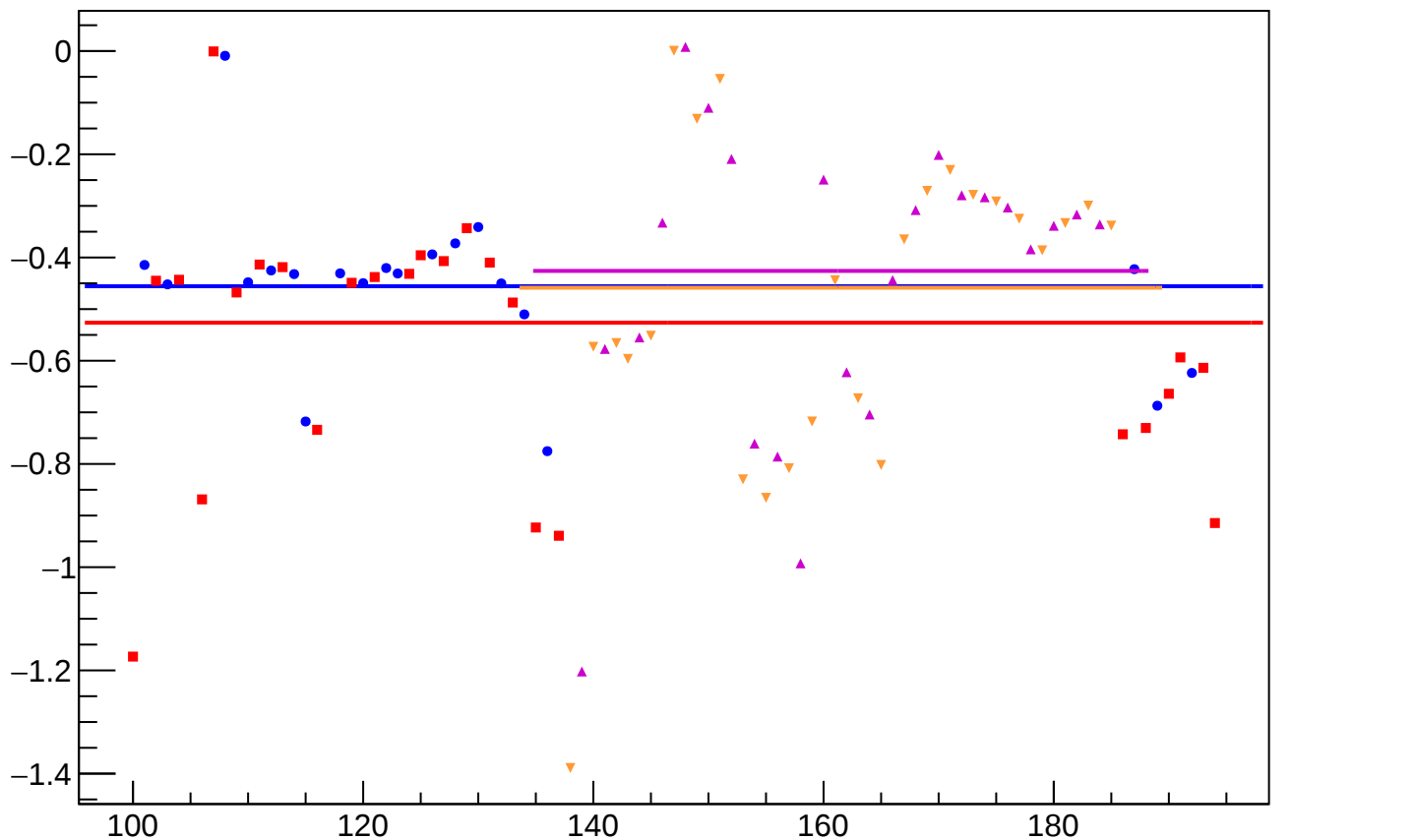
Left In: 0.003+/-0.000 χ^2/NDF :220327.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 431198.3/44

All: 0.003+/-0.000 χ^2/NDF : 906686.5/92

- sign 0.003+/-0.000 χ^2/NDF : 475471.8/47

yield_bpm0l07X_mean vs Slug



Right In: -0.456+/-0.000 χ^2/NDF : 1647208590.5/19

Left Out: -0.459+/-0.000 χ^2/NDF : 9916462814.9/24

Right Out: -0.526+/-0.000 χ^2/NDF : 3485227100.2/24

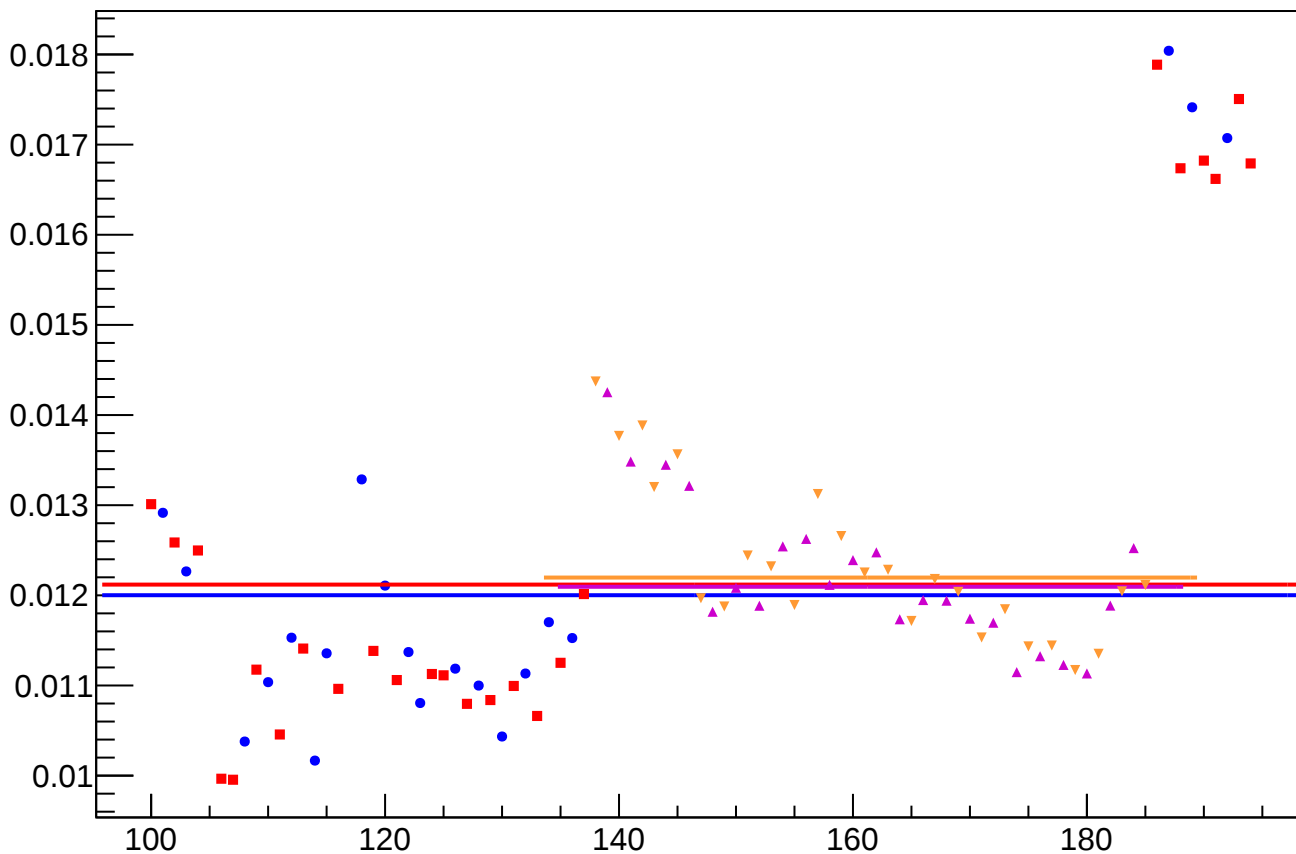
Left In: -0.426+/-0.000 χ^2/NDF : 8424222576.0/22

+ sign -0.458+/-0.000 χ^2/NDF : 11563963167.7/44

All: -0.461+/-0.000 χ^2/NDF : 23903800228.5

- sign -0.464+/-0.000 χ^2/NDF : 12336773297.7/47

yield_bpm0l07X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 373965.4/19

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:141850.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 736161.1/24

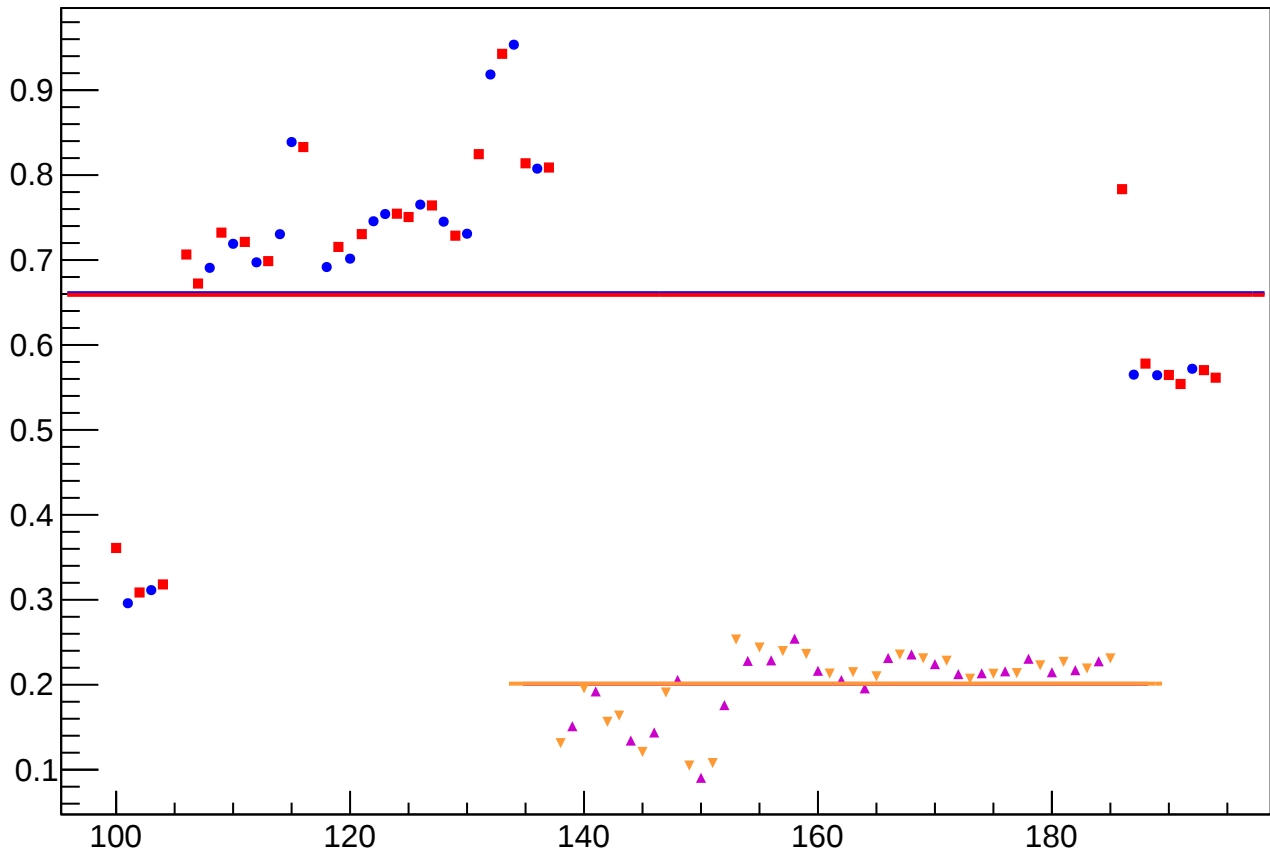
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:127308.3/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 518665.0/44

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 1382359.8/92

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 863518.4/47

yield_bpm0l07Y_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 40383634185.9/19

Left Out: 0.201 $\pm$ 0.000 χ^2 /NDF: 7090760823.7/24

Right Out: 0.659 $\pm$ 0.000 χ^2 /NDF: 40252598106.8/24

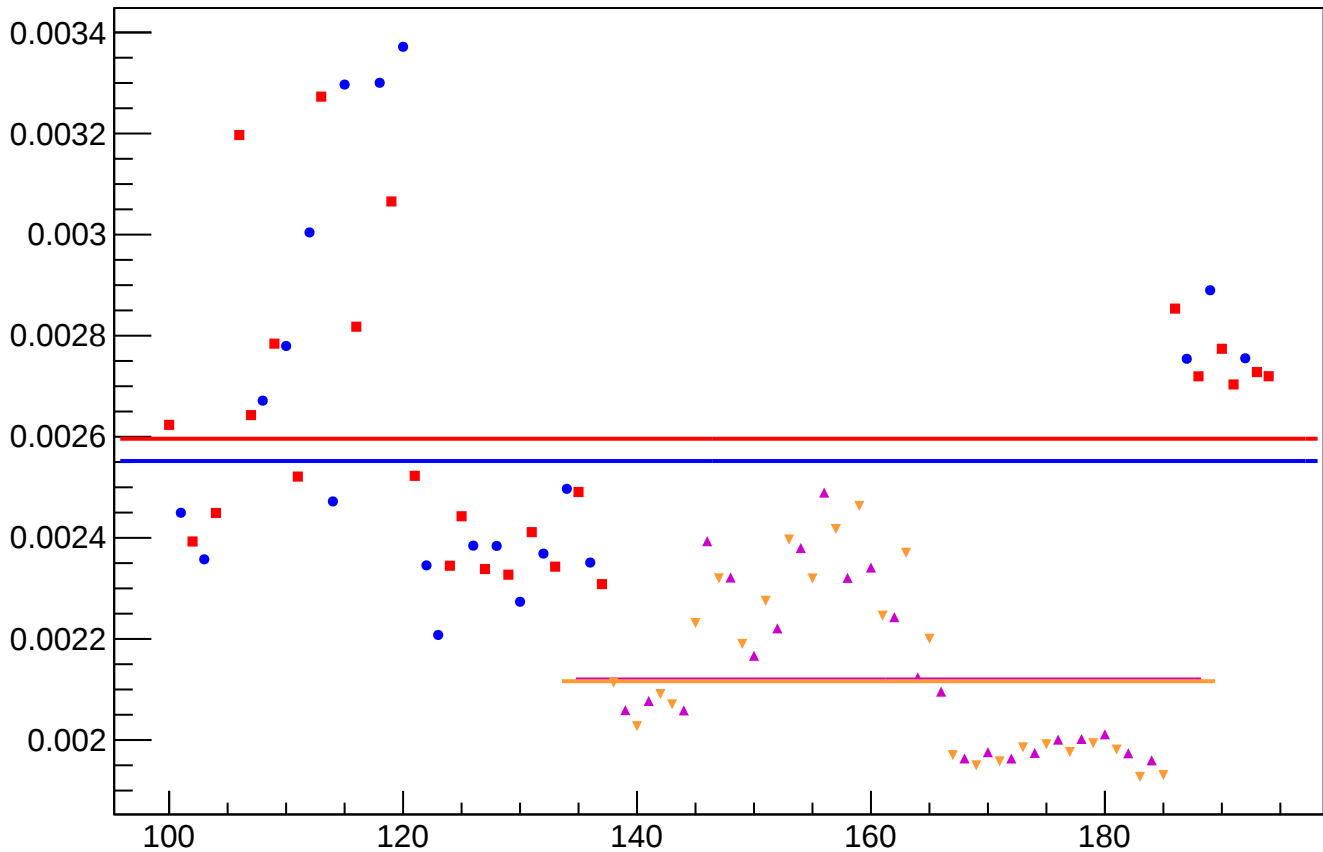
Left In: 0.201 $\pm$ 0.000 χ^2 /NDF: 5671770181.2/22

+ sign 0.306 $\pm$ 0.000 χ^2 /NDF: 242954174820.8/44

All: 0.318 $\pm$ 0.000 χ^2 /NDF: 514492308805.3

- sign 0.330 $\pm$ 0.000 χ^2 /NDF: 270125064215.3/47

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 202314.9/19

Left Out: 0.002+/-0.000 χ^2/NDF :224498.3/24

Right Out: 0.003+/-0.000 χ^2/NDF : 159349.9/24

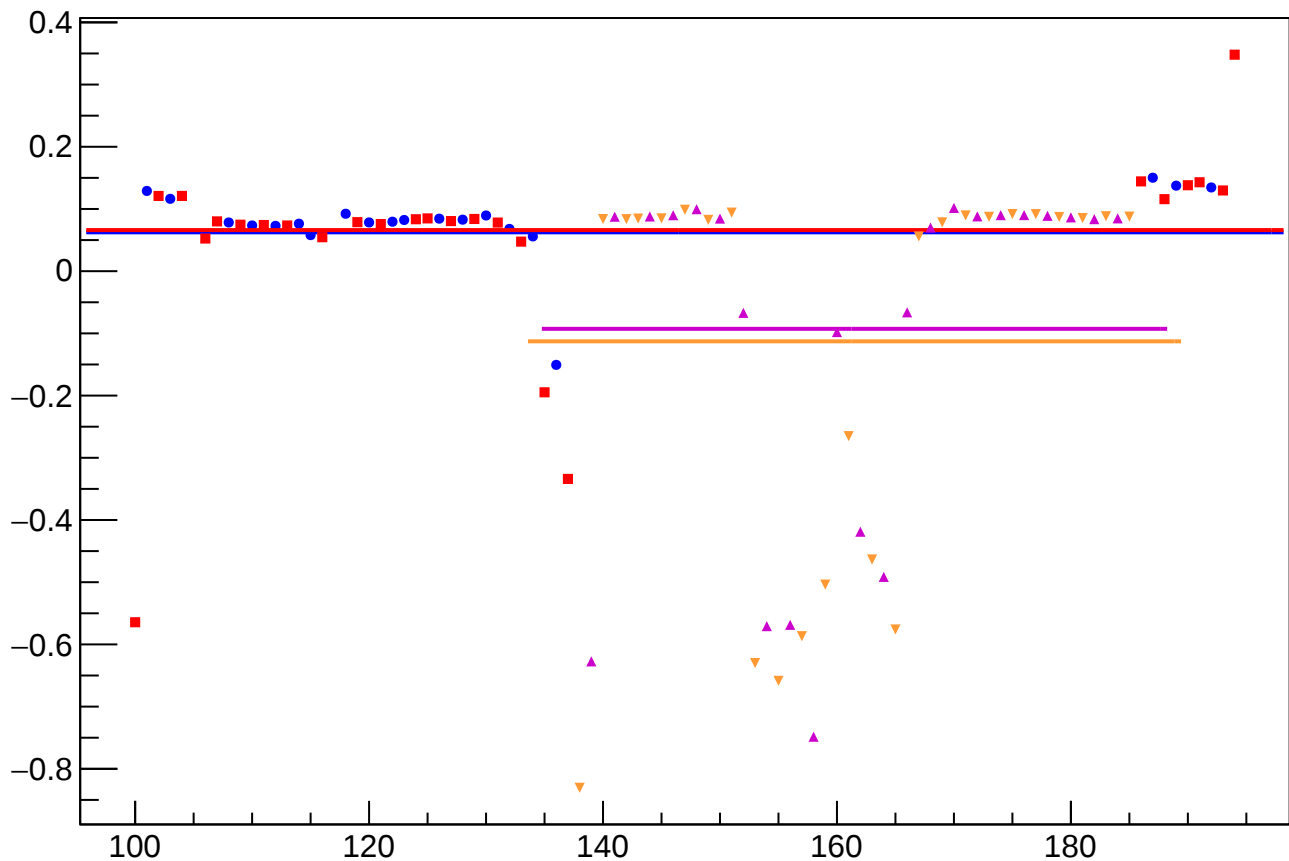
Left In: 0.002+/-0.000 χ^2/NDF :189228.6/22

+ sign 0.002+/-0.000 χ^2/NDF : 777975.5/44

All: 0.002+/-0.000 χ^2/NDF : 1619061.7/92

- sign 0.002+/-0.000 χ^2/NDF : 833686.0/47

yield_bpm0l08X_mean vs Slug



Right In: 0.062 $\pm$ 0.000 χ^2 /NDF: 460178446.4/19

Left Out: -0.113 $\pm$ 0.000 χ^2 /NDF:13667354077.1/24

Right Out: 0.066 $\pm$ 0.000 χ^2 /NDF: 1113411422.5/24

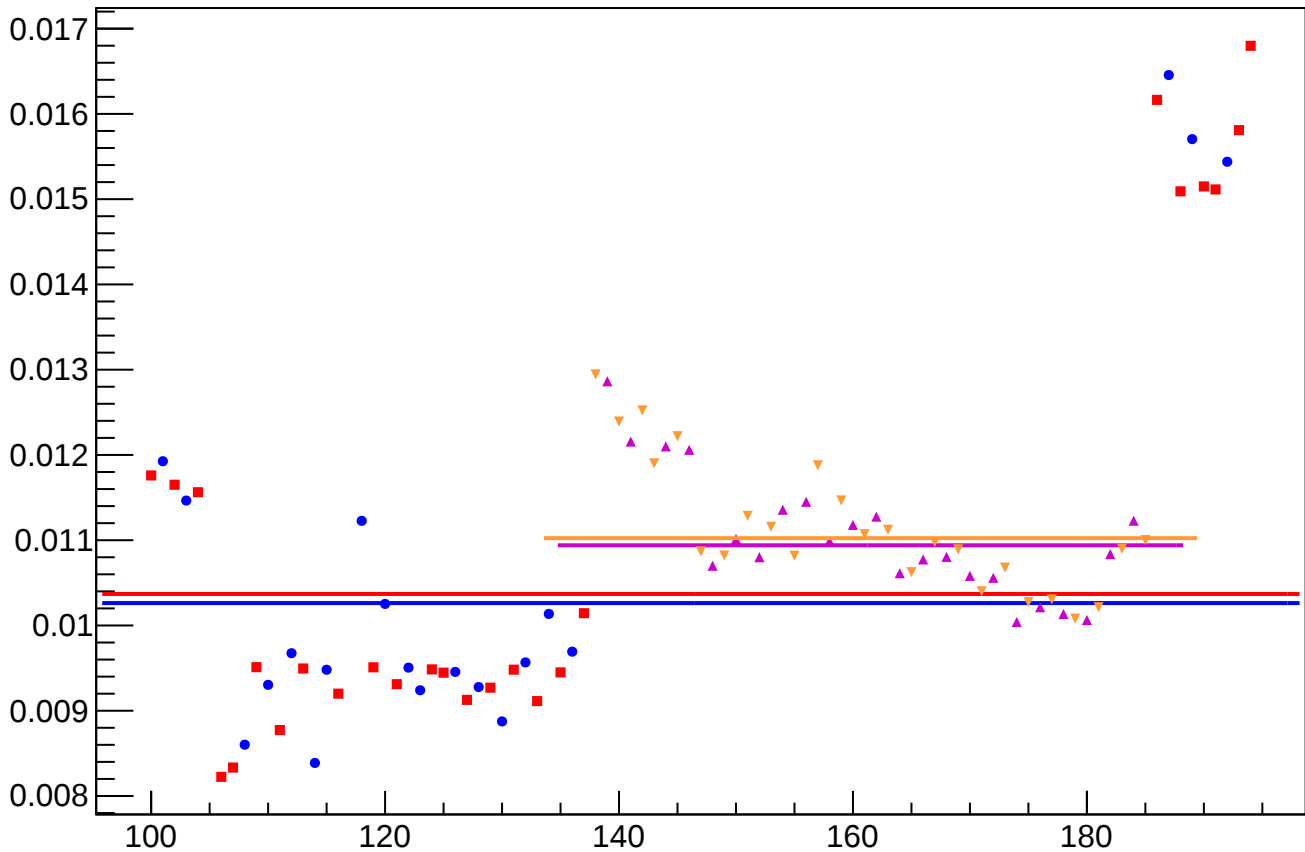
Left In: -0.093 $\pm$ 0.000 χ^2 /NDF:11051944893.7/22

+ sign -0.054 $\pm$ 0.000 χ^2 /NDF: 15623115290.8/44

All: -0.042 $\pm$ 0.000 χ^2 /NDF: 29233110725.0/47

- sign -0.030 $\pm$ 0.000 χ^2 /NDF: 13546282537.0/47

yield_bpm0l08X_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2/NDF : 502823.9/19

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 141501.7/24

Right Out: 0.010 $\pm$ 0.000 χ^2/NDF : 1022253.1/24

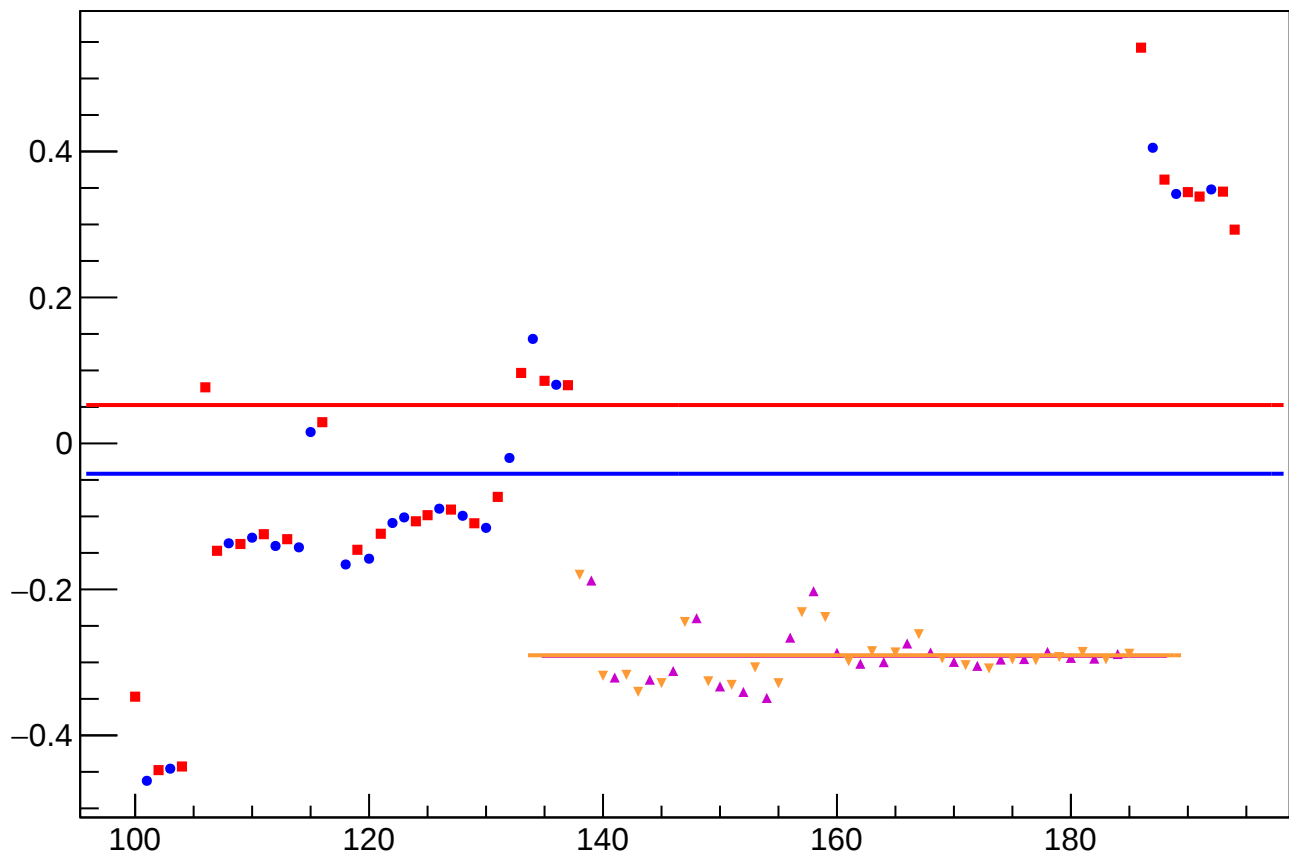
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 128914.2/22

+ sign 0.011 $\pm$ 0.000 χ^2/NDF : 700778.4/44

All: 0.011 $\pm$ 0.000 χ^2/NDF : 1888296.6/92

- sign 0.011 $\pm$ 0.000 χ^2/NDF : 1186893.0/47

yield_bpm0l08Y_mean vs Slug



Right In: -0.042+/-0.000 χ^2/NDF : 32829437881.7/19

Left Out: -0.290+/-0.000 χ^2/NDF : 2877519093.0/24

Right Out: 0.053+/-0.000 χ^2/NDF : 45237938795.2/24

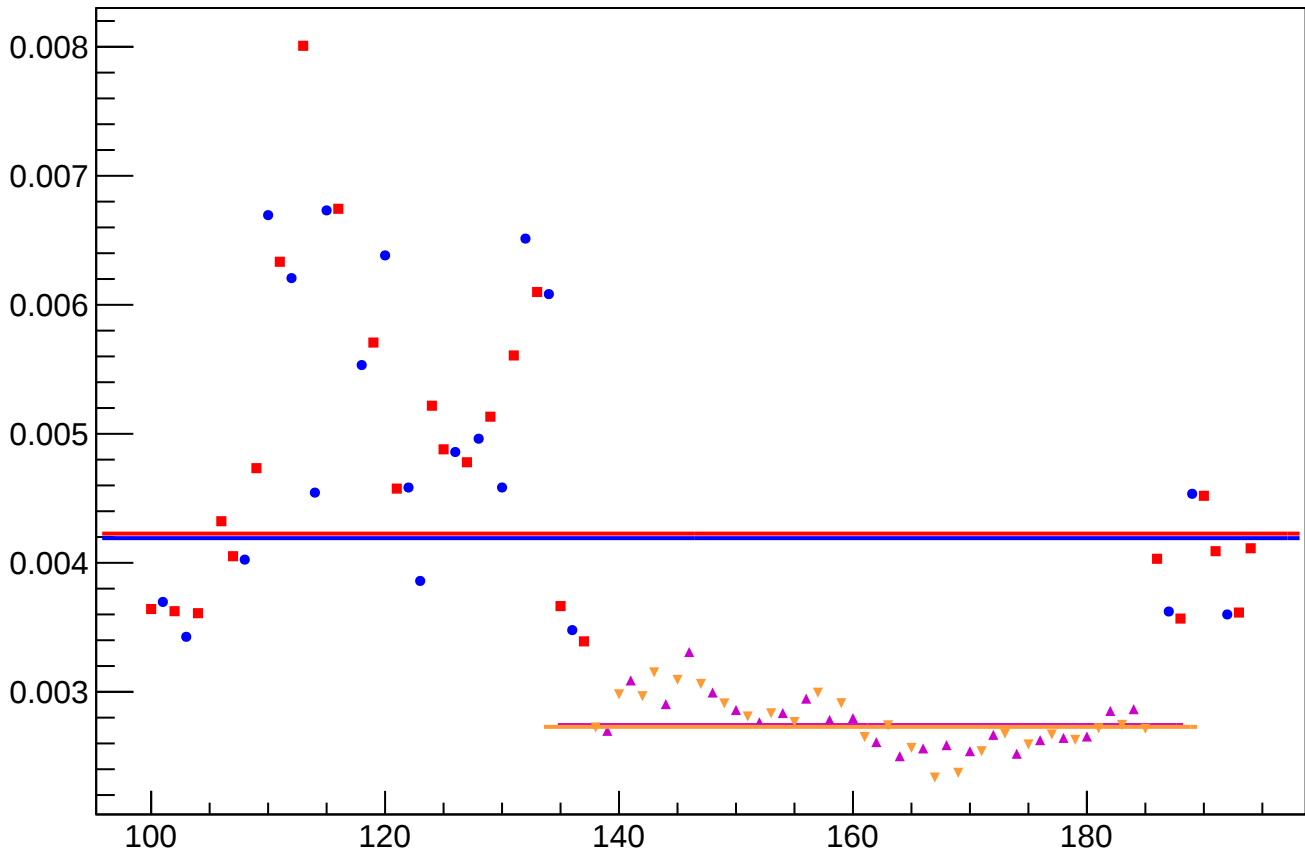
Left In: -0.291+/-0.000 χ^2/NDF : 3125402243.3/22

+ sign -0.253+/-0.000 χ^2/NDF : 57360542989.8/44

All: -0.240+/-0.000 χ^2/NDF : 156210663226.8

- sign -0.226+/-0.000 χ^2/NDF : 97795143700.8/47

yield_bpm0l08Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 686409.7/19

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:206527.1/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 784571.2/24

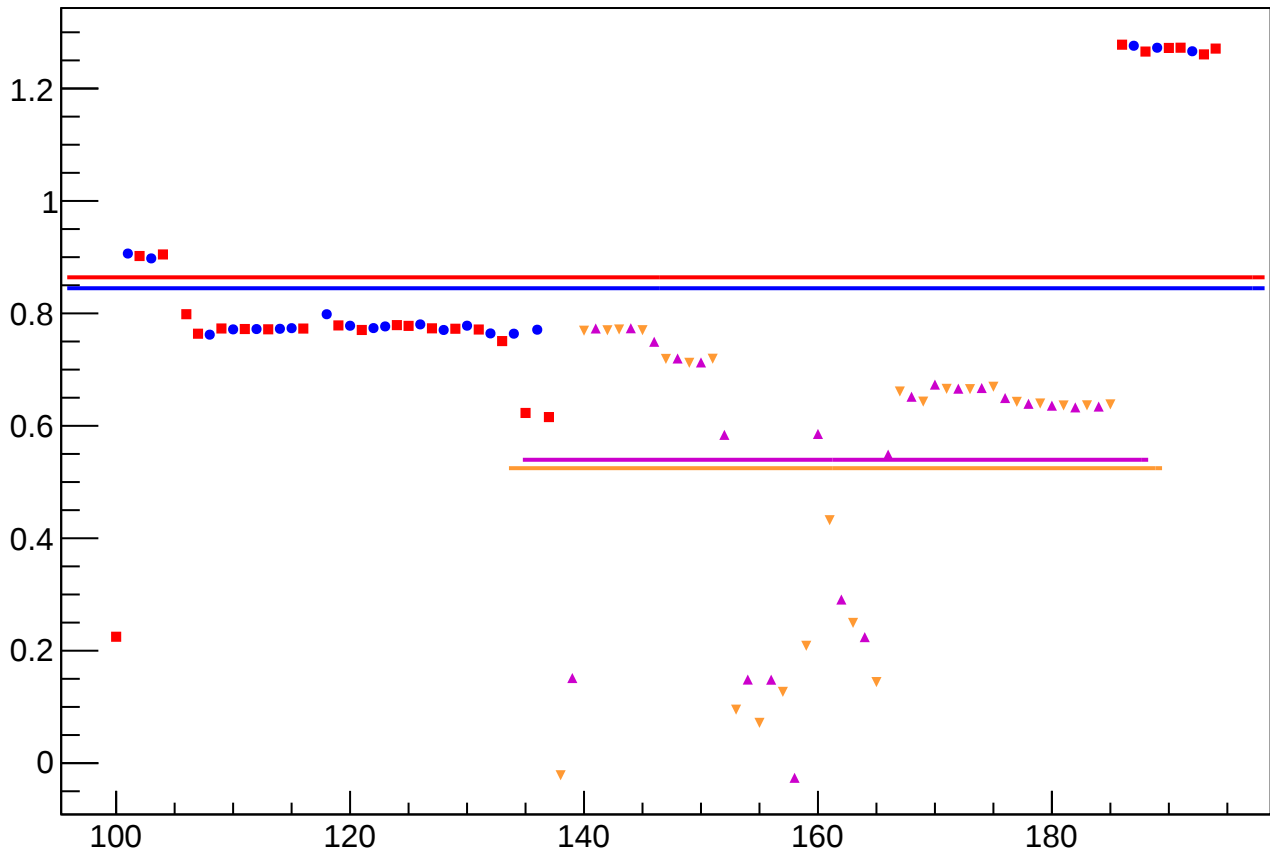
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:147778.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2390734.5/44

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 5184877.3/92

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2776897.2/47

yield_bpm0l09X_mean vs Slug



Right In: 0.845 ± 0.000 χ^2/NDF : 1489697382.2/19

Left Out: 0.525 ± 0.000 χ^2/NDF : 9623503169.9/24

Right Out: 0.864 ± 0.000 χ^2/NDF : 3300188990.6/24

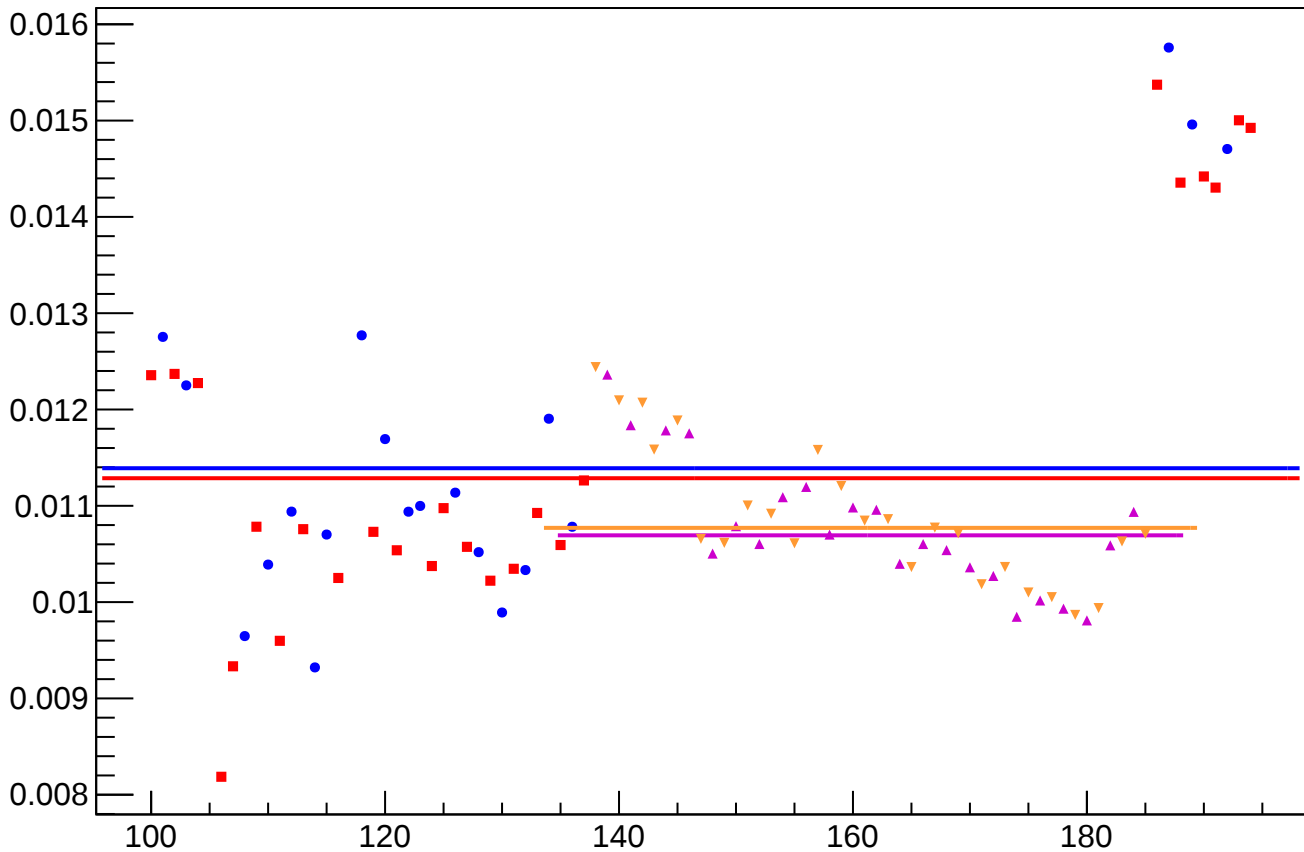
Left In: 0.540 ± 0.000 χ^2/NDF : 7860539135.5/22

+ sign 0.615 ± 0.000 χ^2/NDF : 15545271760.0/44

All: 0.634 ± 0.000 χ^2/NDF : 32159567589.2/50

- sign 0.652 ± 0.000 χ^2/NDF : 16470978145.4/47

yield_bpm0l09X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 285048.9/19

Left Out: 0.011+/-0.000 χ^2/NDF :131630.9/24

Right Out: 0.011+/-0.000 χ^2/NDF : 543940.6/24

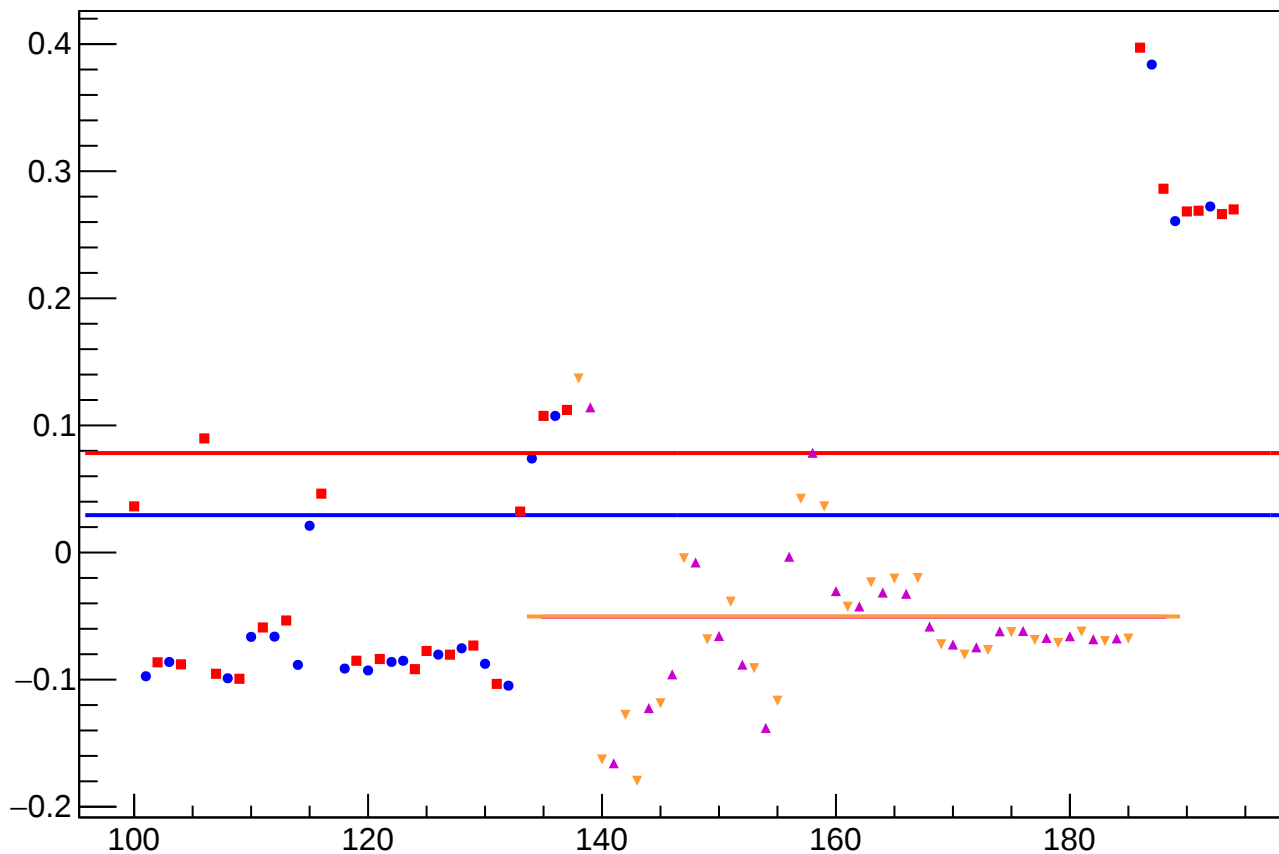
Left In: 0.011+/-0.000 χ^2/NDF :119273.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 449860.4/44

All: 0.011+/-0.000 χ^2/NDF : 1149053.7/92

- sign 0.011+/-0.000 χ^2/NDF : 698683.0/47

yield_bpm0l09Y_mean vs Slug



Right In: 0.029 $\pm$ 0.000 χ^2 /NDF: 8053305876.6/19

Left Out: -0.050 $\pm$ 0.000 χ^2 /NDF: 7271496478.6/24

Right Out: 0.078 $\pm$ 0.000 χ^2 /NDF: 12300139001.8/24

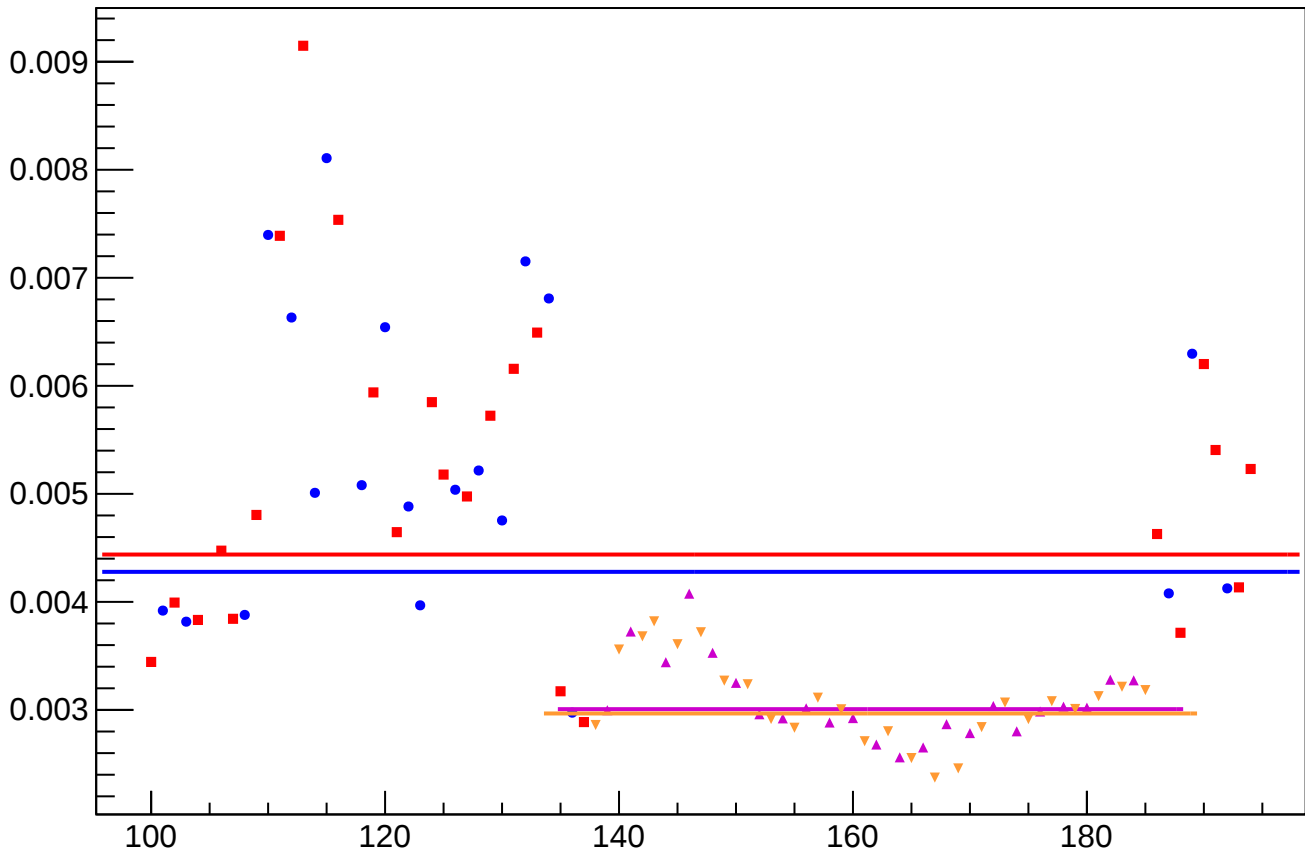
Left In: -0.051 $\pm$ 0.000 χ^2 /NDF: 6128769990.8/22

+ sign -0.037 $\pm$ 0.000 χ^2 /NDF: 17318305758.9/44

All: -0.031 $\pm$ 0.000 χ^2 /NDF: 41783657404.4/47

- sign -0.025 $\pm$ 0.000 χ^2 /NDF: 24290834053.7/47

yield_bpm0l09Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 974766.4/19

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:499039.1/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1130579.8/24

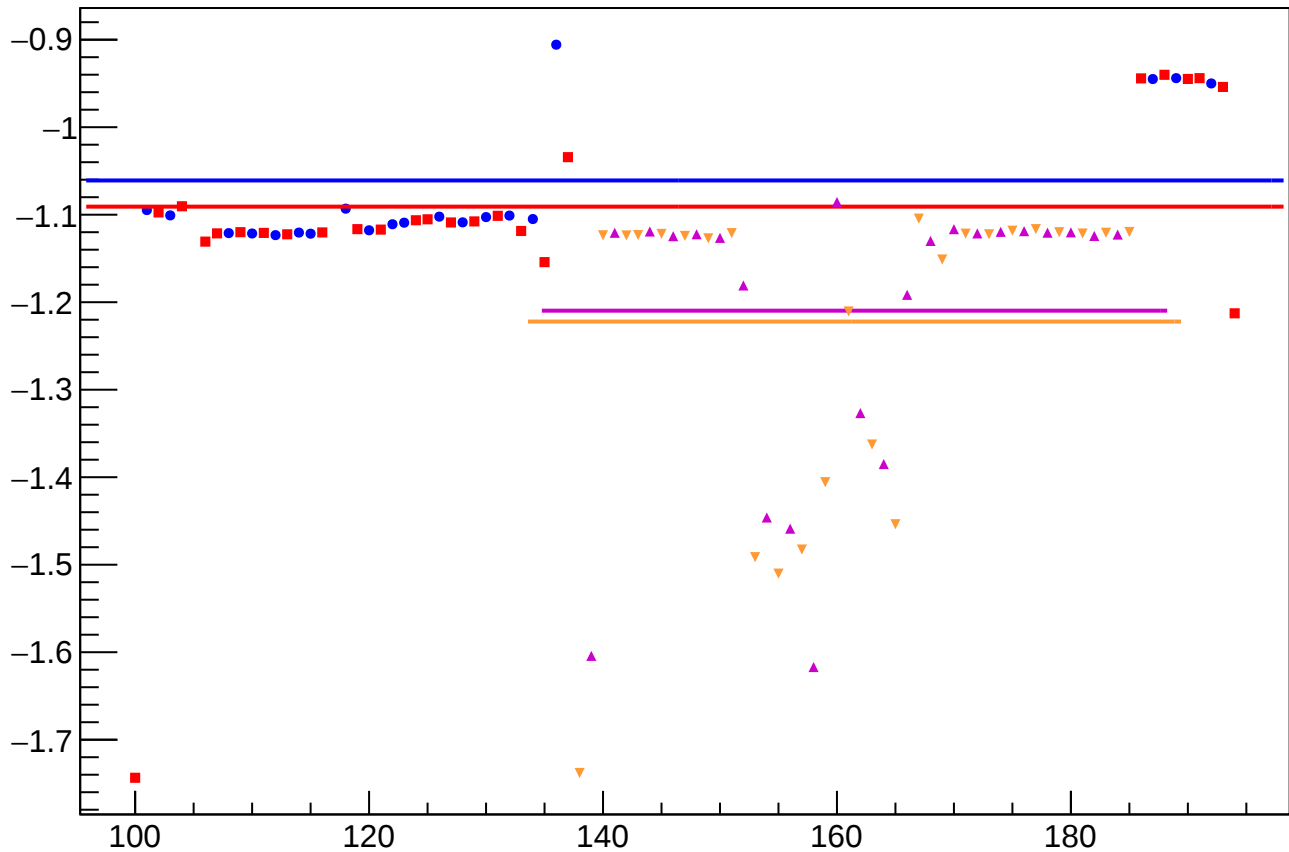
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:329068.1/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2551994.2/44

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 5486951.5/92

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2906525.4/47

yield_bpm0l10X_mean vs Slug



Right In: -1.061 ± 0.000 χ^2/NDF : 337262468.0/19

Left Out: -1.222 ± 0.000 χ^2/NDF : 5279548861.3/24

Right Out: -1.091 ± 0.000 χ^2/NDF : 667078926.7/24

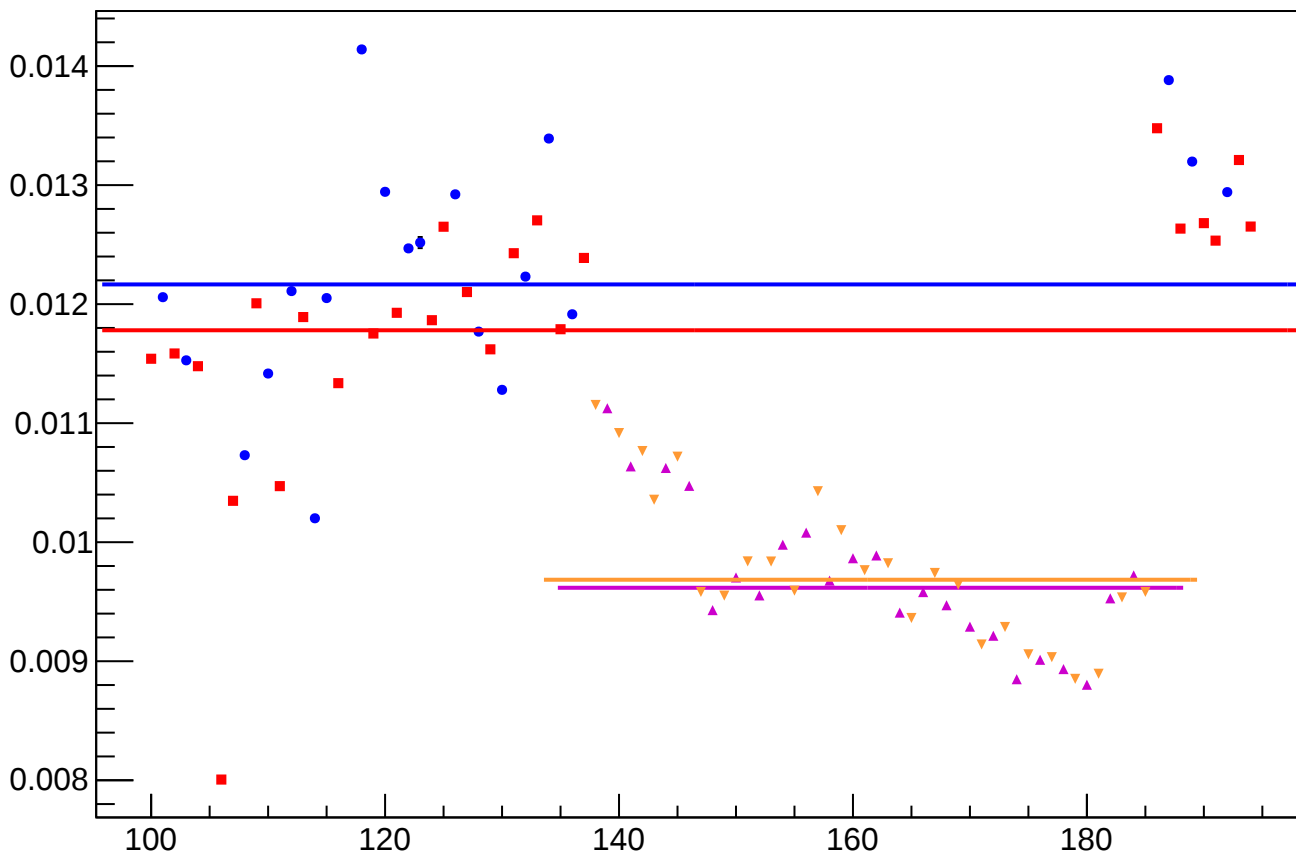
Left In: -1.210 ± 0.000 χ^2/NDF : 4502367902.8/22

+ sign -1.187 ± 0.000 χ^2/NDF : 6700802973.4/44

All: -1.181 ± 0.000 χ^2/NDF : 12623618035.7

- sign -1.175 ± 0.000 χ^2/NDF : 5907258509.4/47

yield_bpm0l10X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 78206.7/19

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:134863.6/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 219664.4/24

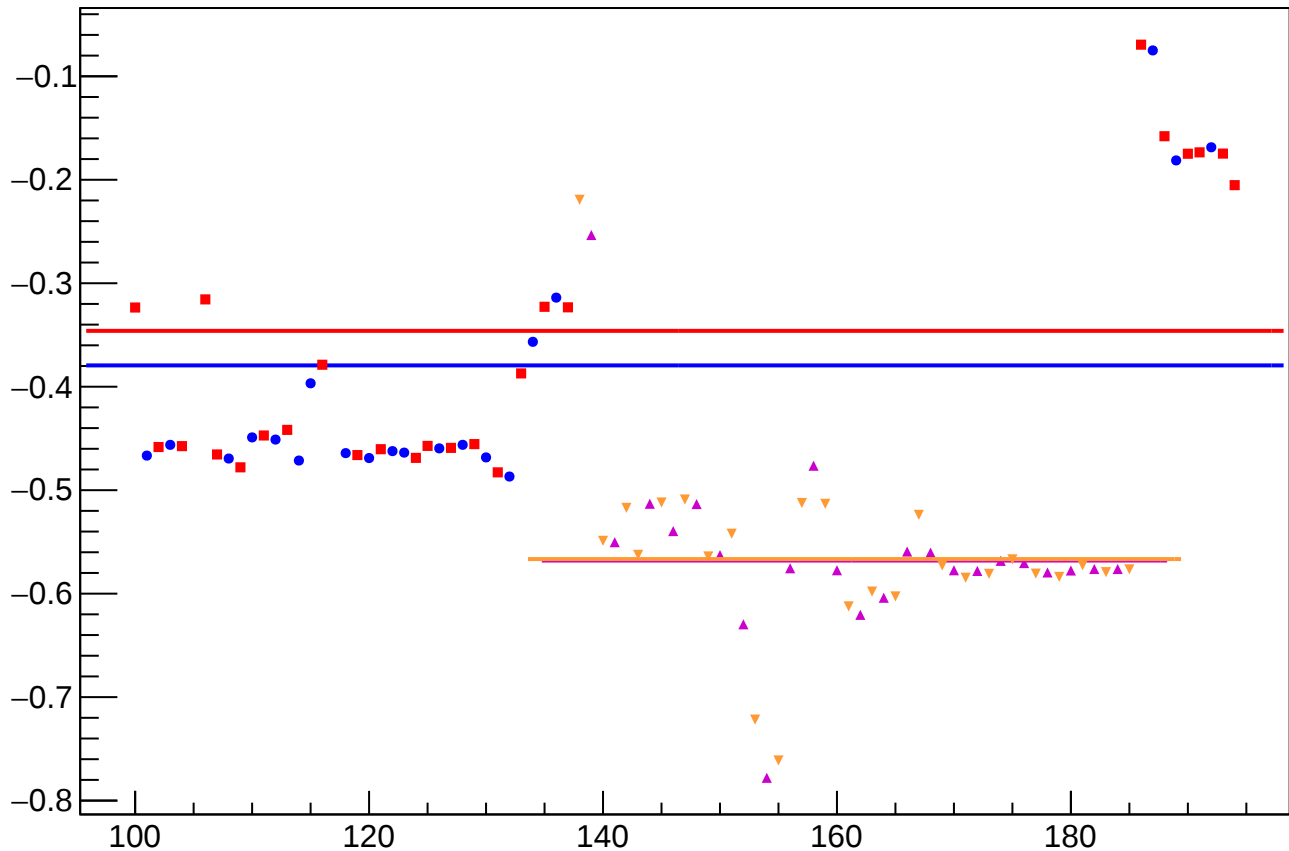
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:119823.1/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 726282.0/44

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 1554322.2/92

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 828018.6/47

yield_bpm0l10Y_mean vs Slug



Right In: -0.379+/-0.000 χ^2/NDF : 6306307185.8/19

Left Out: -0.567+/-0.000 χ^2/NDF : 13368458519.3/24

Right Out: -0.346+/-0.000 χ^2/NDF : 9918013710.6/24

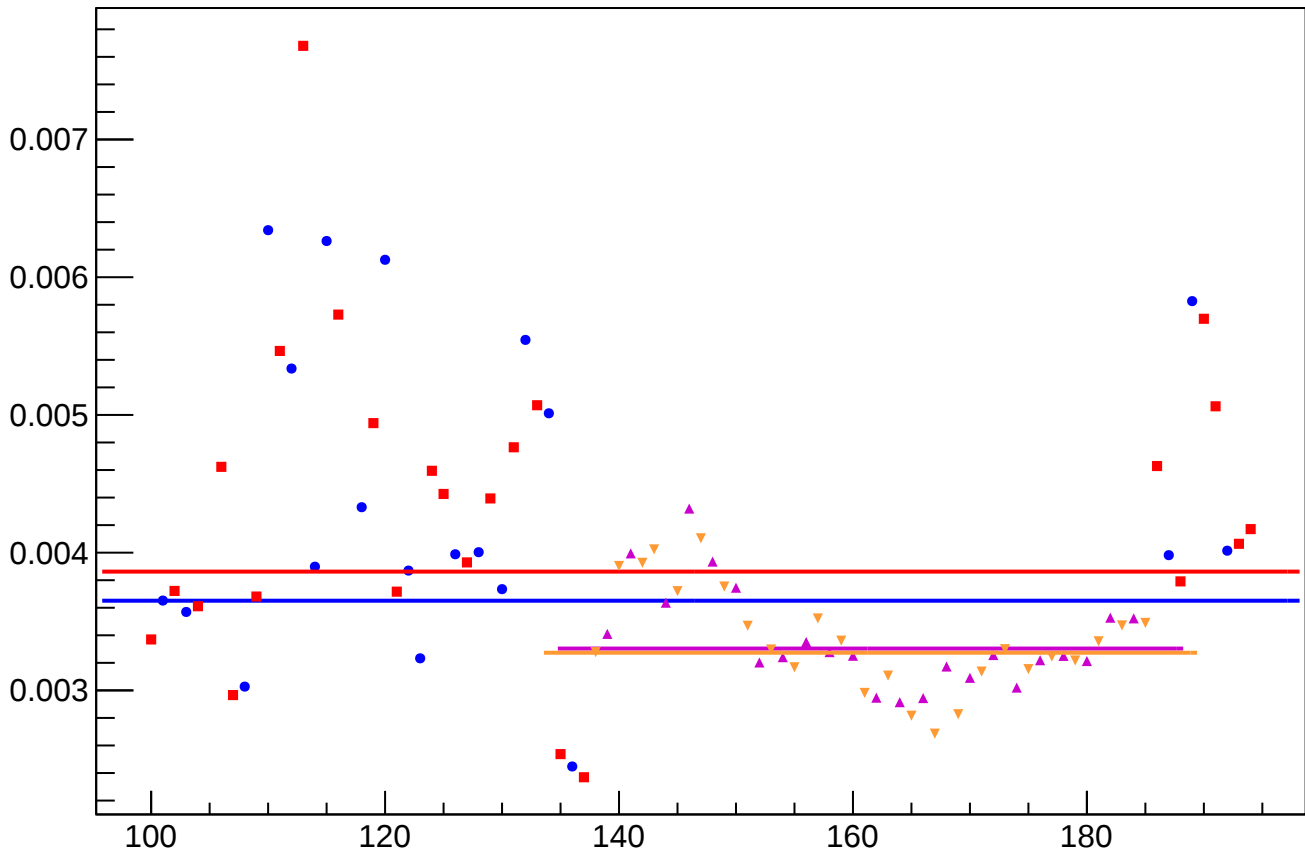
Left In: -0.568+/-0.000 χ^2/NDF : 10458990019.9/22

+ sign -0.521+/-0.000 χ^2/NDF : 33209047182.1/44

All: -0.513+/-0.000 χ^2/NDF : 74961658516.6/100

- sign -0.504+/-0.000 χ^2/NDF : 41429063692.5/47

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 986043.9/19

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 394865.4/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1027791.2/24

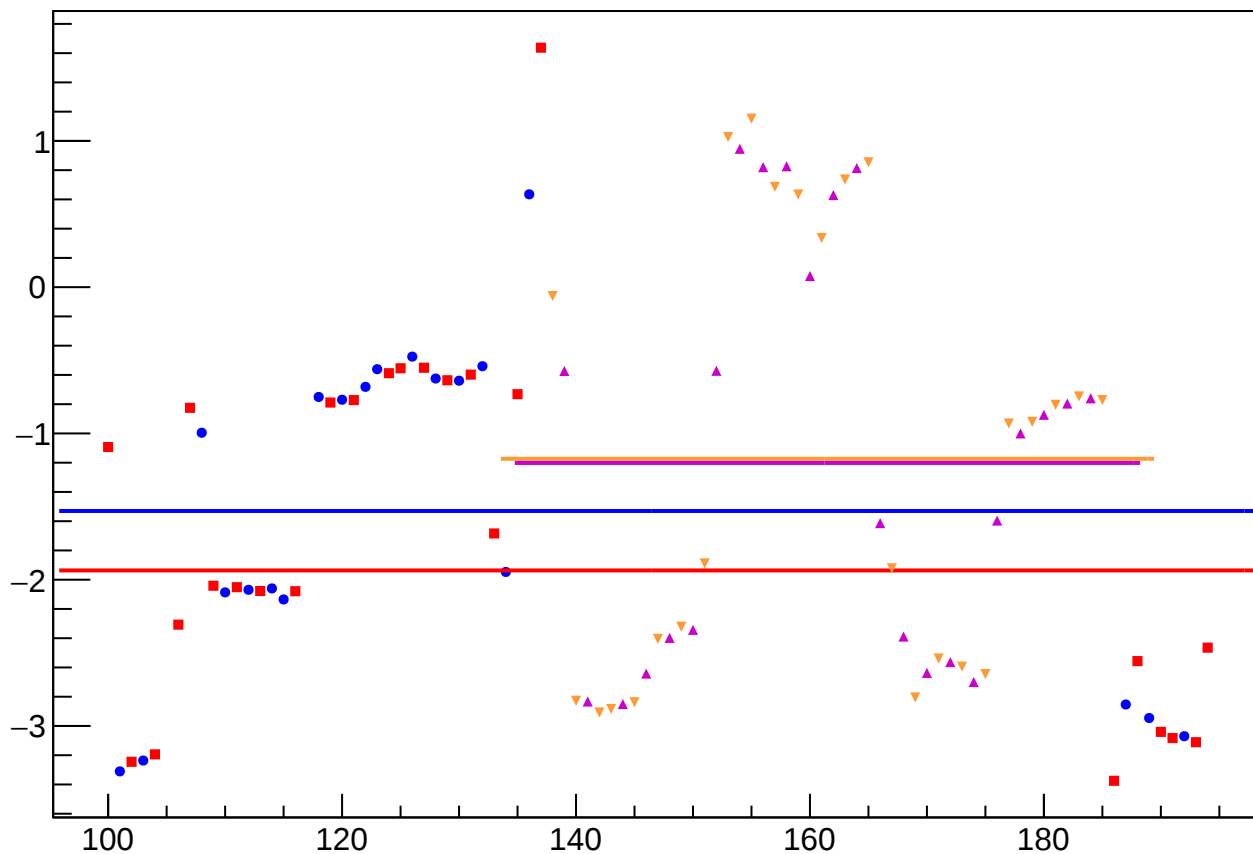
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 286064.1/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1491126.3/44

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3092855.1/92

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1580520.5/47

yield_bpm0r03X_mean vs Slug



Right In: -1.530 $\pm$ 0.000 χ^2 /NDF: 2734047243.6/19

Left Out: -1.173 $\pm$ 0.000 χ^2 /NDF: 6882684653.2/24

Right Out: -1.937 $\pm$ 0.000 χ^2 /NDF: 2507135139.6/24

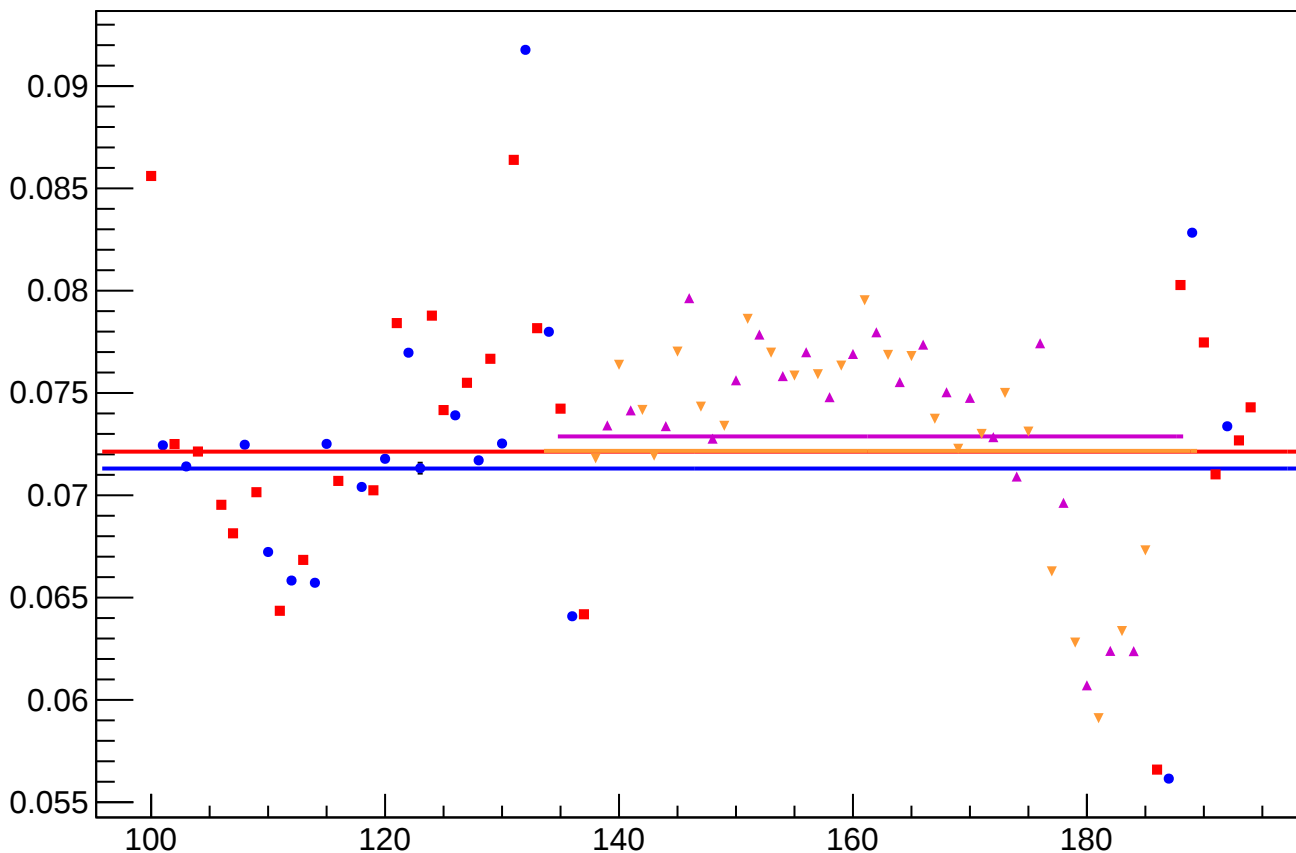
Left In: -1.202 $\pm$ 0.000 χ^2 /NDF: 5606782515.9/22

+ sign -1.285 $\pm$ 0.000 χ^2 /NDF: 9755095642.6/44

All: -1.385 $\pm$ 0.000 χ^2 /NDF: 18628865782.1/47

- sign -1.483 $\pm$ 0.000 χ^2 /NDF: 8773782719.9/47

yield_bpm0r03X_rms vs Slug



Right In: 0.071 $\pm$ 0.000 χ^2 /NDF: 117374.5/19

Left Out: 0.072 $\pm$ 0.000 χ^2 /NDF:222263.8/24

Right Out: 0.072 $\pm$ 0.000 χ^2 /NDF: 147241.9/24

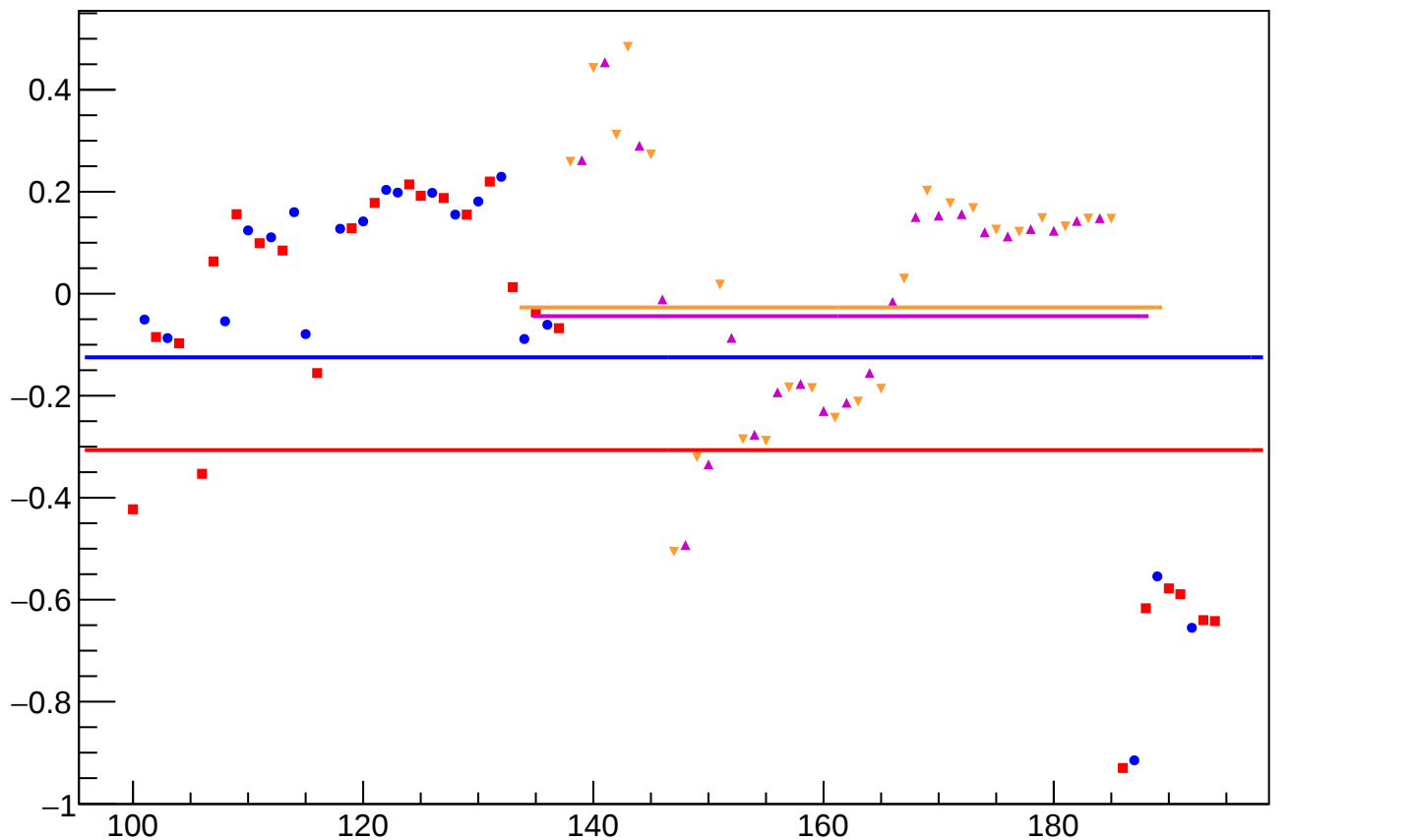
Left In: 0.073 $\pm$ 0.000 χ^2 /NDF:183503.0/22

+ sign 0.072 $\pm$ 0.000 χ^2 /NDF: 341254.0/44

All: 0.072 $\pm$ 0.000 χ^2 /NDF: 675796.5/92

- sign 0.073 $\pm$ 0.000 χ^2 /NDF: 332094.2/47

yield_bpm0r03Y_mean vs Slug



Right In: -0.125+/-0.000 χ^2 /NDF: 5310012494.8/19

Left Out: -0.027+/-0.000 χ^2 /NDF: 20376761328.6/24

Right Out: -0.307+/-0.000 χ^2 /NDF: 10022787953.3/24

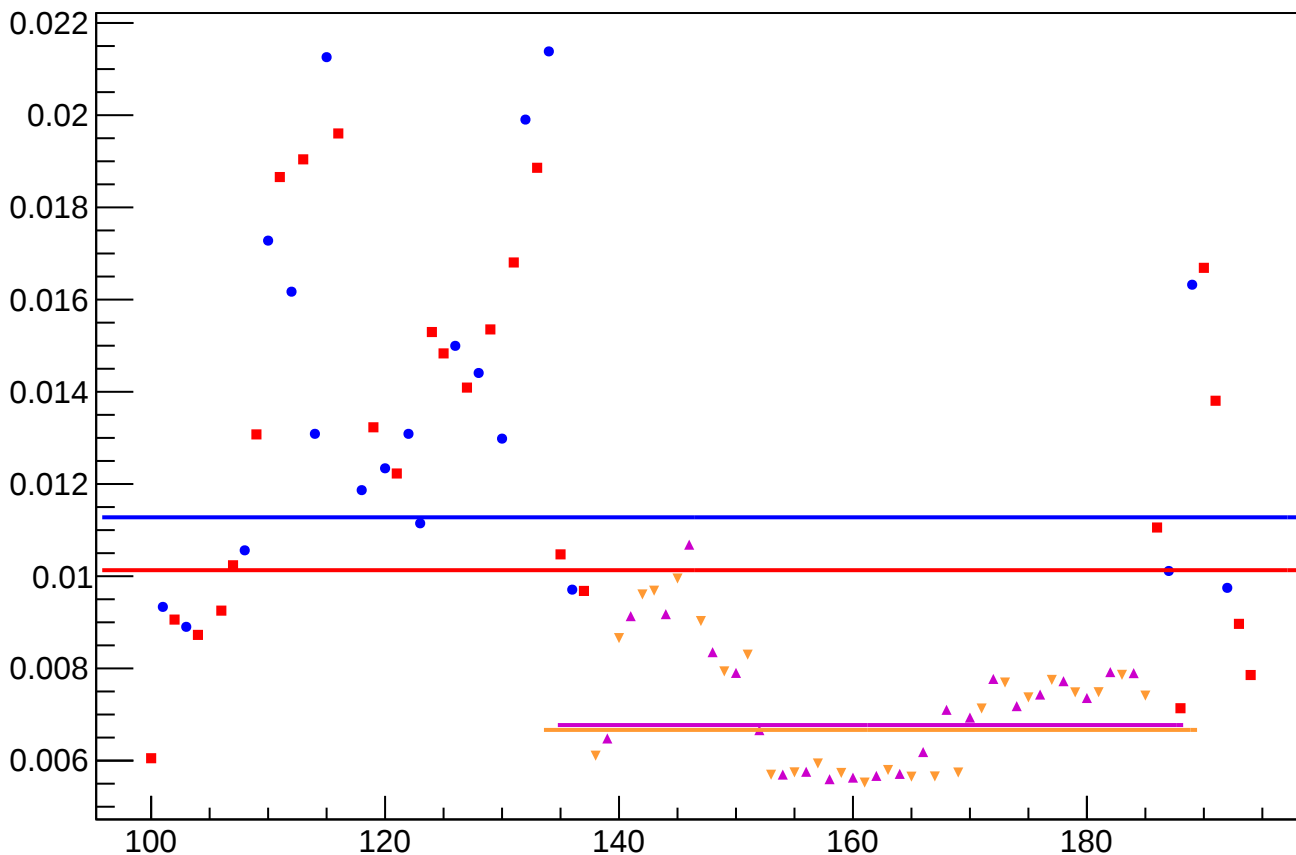
Left In: -0.044+/-0.000 χ^2 /NDF: 15718556282.1/22

+ sign -0.040+/-0.000 χ^2 /NDF: 26152856463.7/44

All: -0.067+/-0.000 χ^2 /NDF: 57184927043.4/47

- sign -0.095+/-0.000 χ^2 /NDF: 30366358513.8/47

yield_bpm0r03Y_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 807619.4/19

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:1143768.6/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1687829.9/24

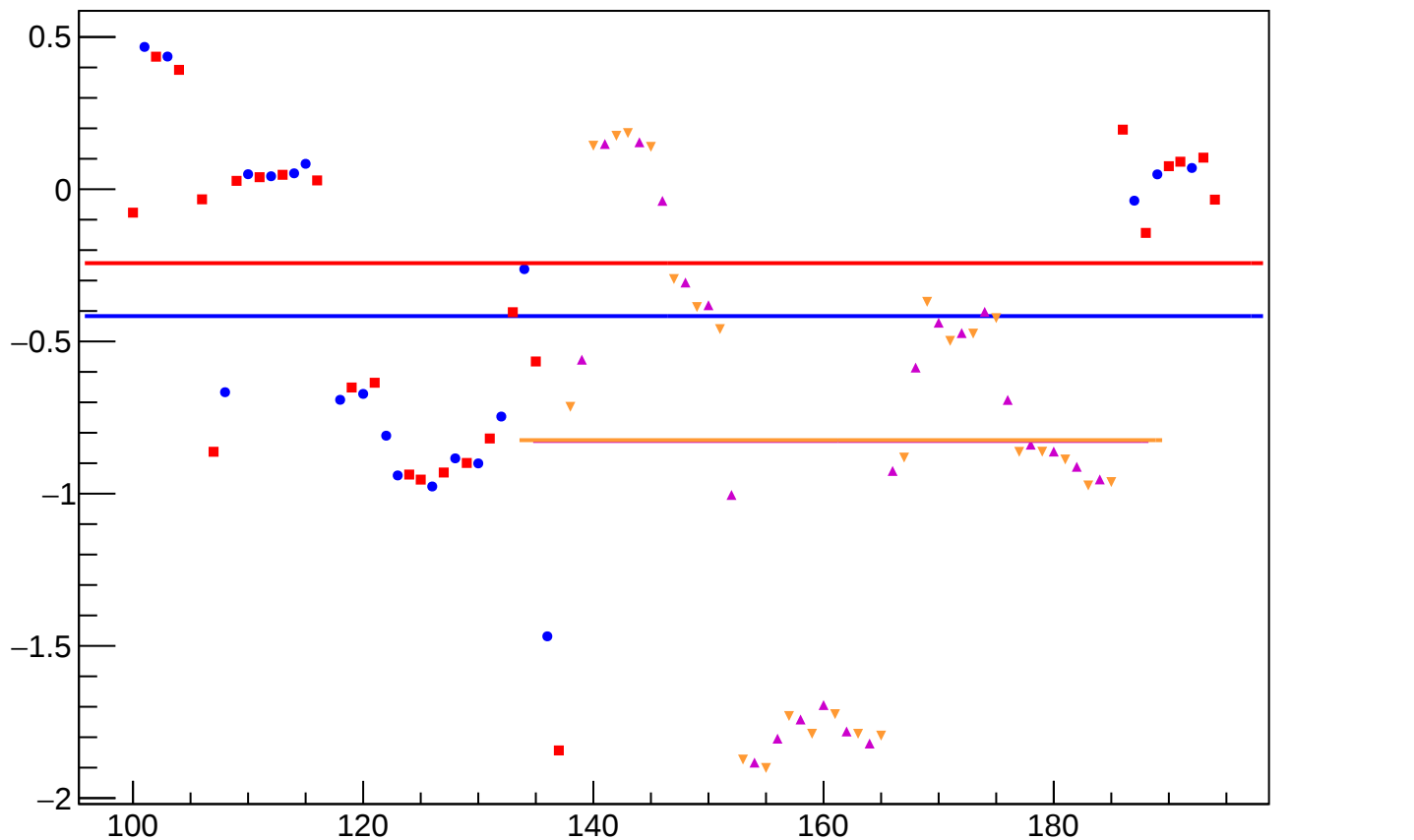
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:934050.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4024722.7/44

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 8171242.6/92

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4135005.2/47

yield_bpm0r05X_mean vs Slug



Right In: -0.417 ± 0.000 χ^2/NDF : 388652744.6/19

Left Out: -0.824 ± 0.000 χ^2/NDF : 1103610806.5/24

Right Out: -0.243 ± 0.000 χ^2/NDF : 324578420.6/24

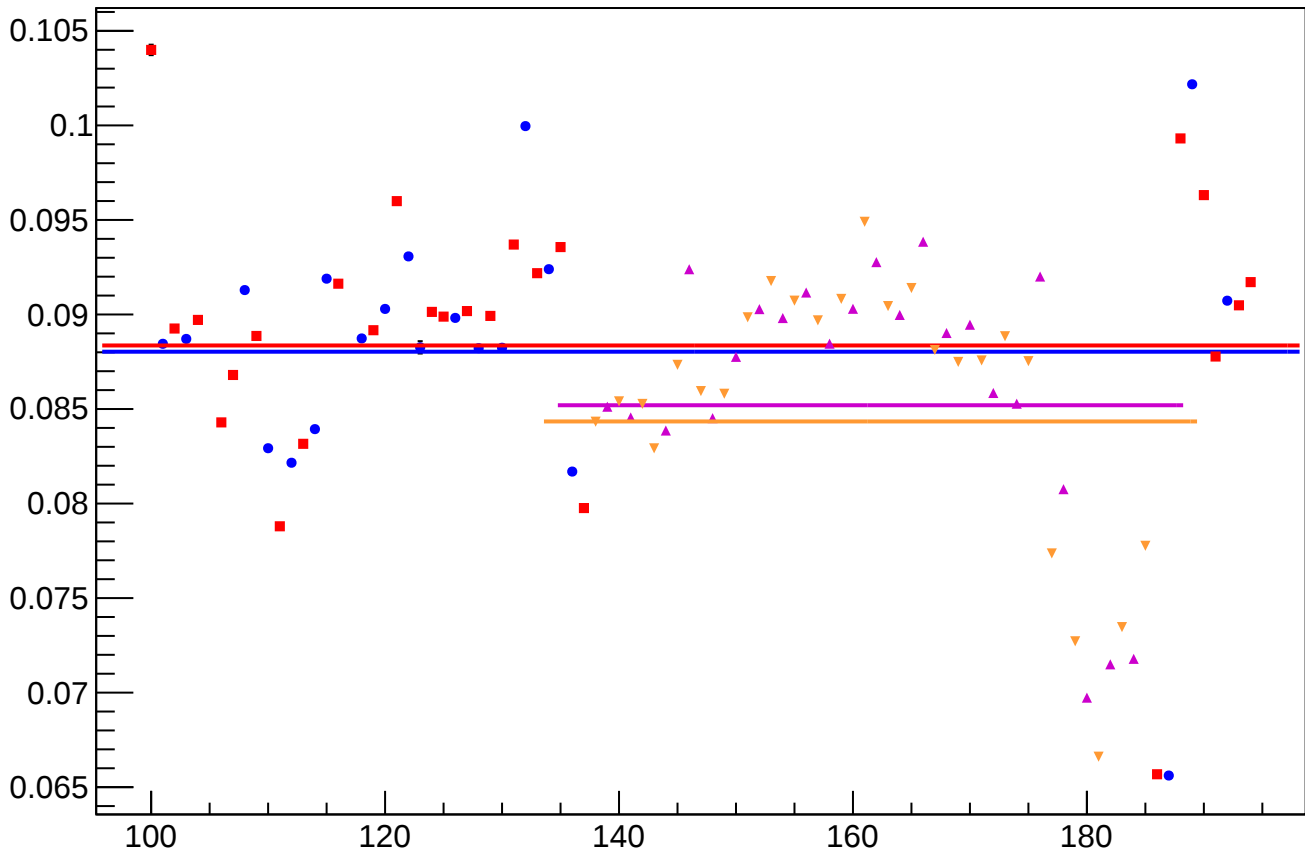
Left In: -0.827 ± 0.000 χ^2/NDF : 921651117.3/22

+ sign -0.705 ± 0.000 χ^2/NDF : 1616171019.2/44

All: -0.660 ± 0.000 χ^2/NDF : 3168205309.1/9

- sign -0.616 ± 0.000 χ^2/NDF : 1537356548.1/47

yield_bpm0r05X_rms vs Slug



Right In: 0.088 $\pm$ 0.000 χ^2 /NDF: 89763.9/19

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF:288312.6/24

Right Out: 0.088 $\pm$ 0.000 χ^2 /NDF: 158947.0/24

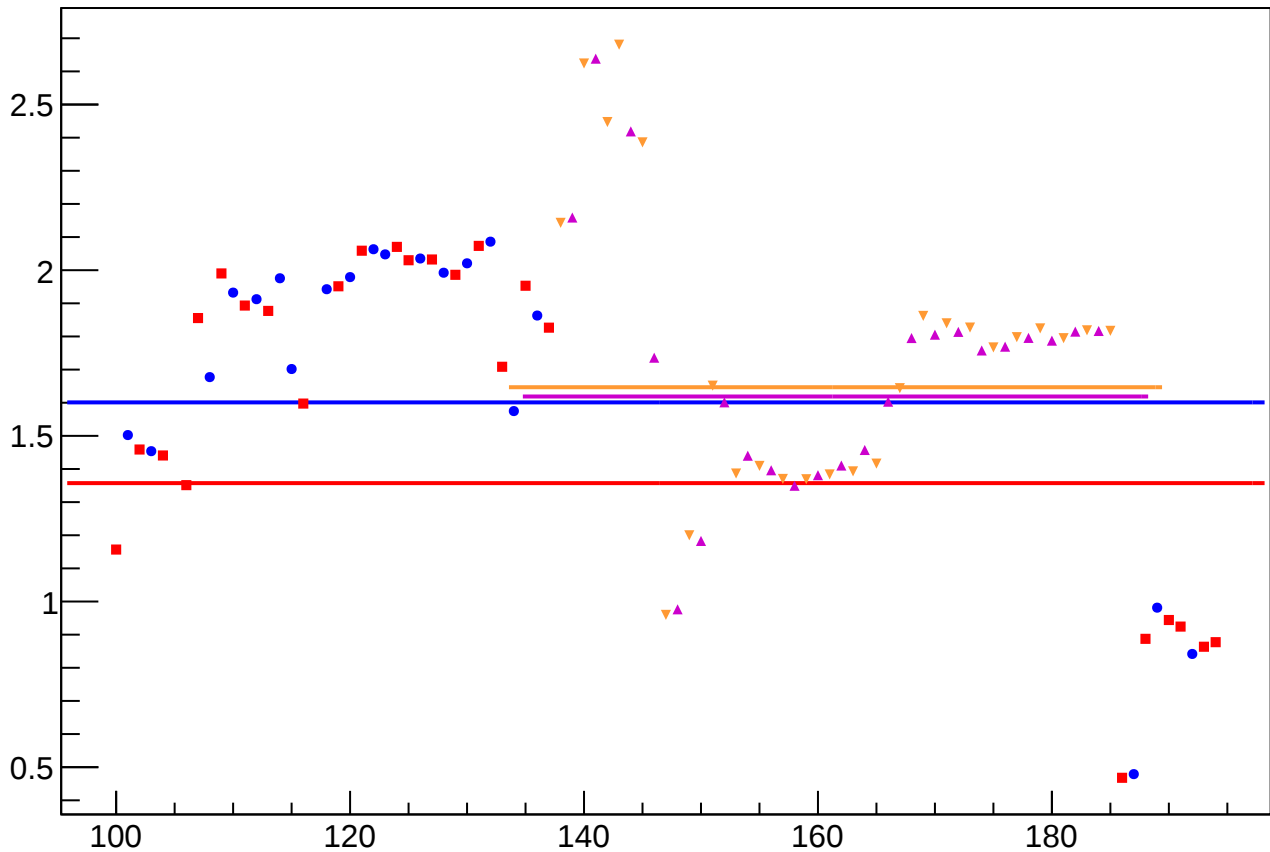
Left In: 0.085 $\pm$ 0.000 χ^2 /NDF:238313.9/22

+ sign 0.085 $\pm$ 0.000 χ^2 /NDF: 398378.0/44

All: 0.086 $\pm$ 0.000 χ^2 /NDF: 815817.6/92

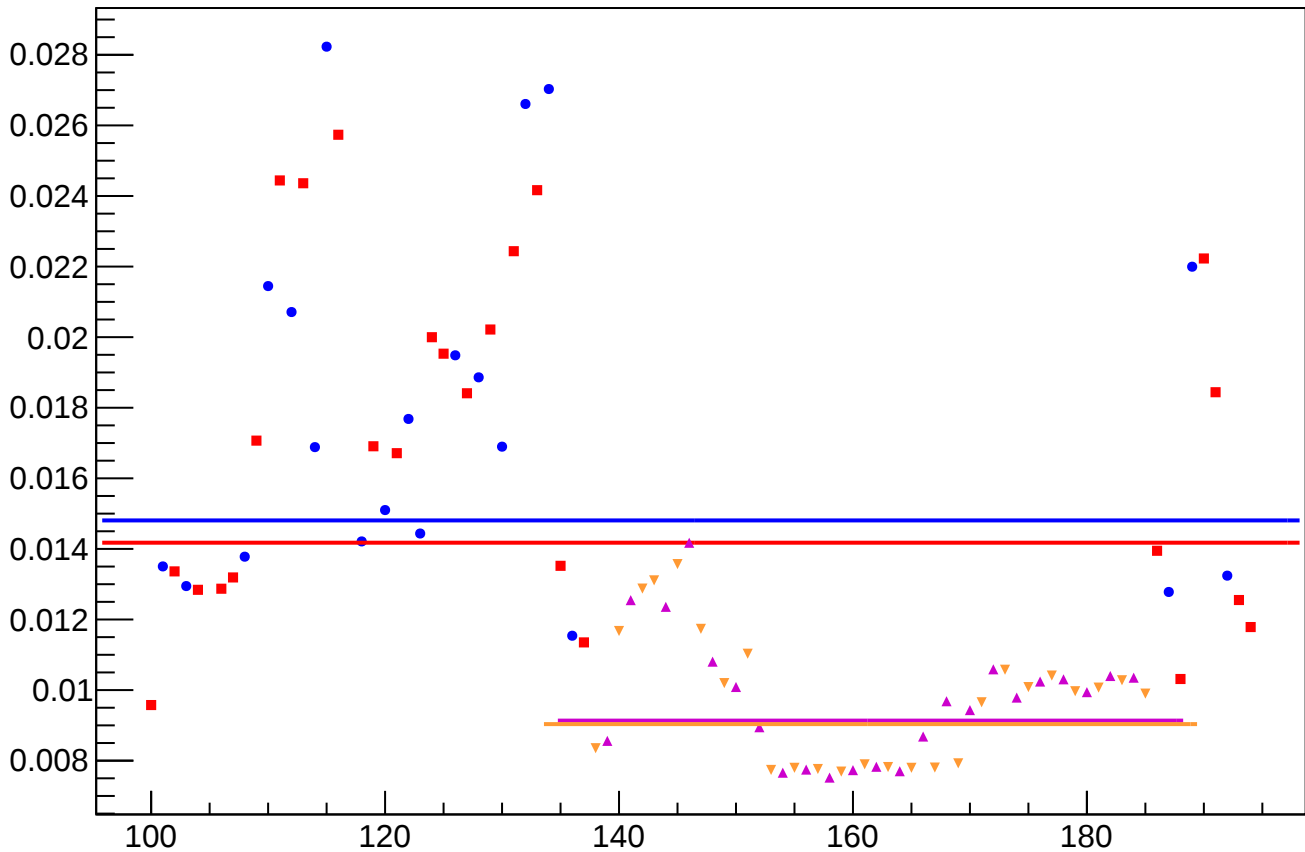
- sign 0.086 $\pm$ 0.000 χ^2 /NDF: 414324.0/47

yield_bpm0r05Y_mean vs Slug



Right In: 1.601 $\pm$ 0.000	χ^2 /NDF: 6443673996.8/19	+ sign 1.641 $\pm$ 0.000	χ^2 /NDF: 33037798395.2/44
Left Out: 1.647 $\pm$ 0.000	χ^2 /NDF: 26535241545.7/24	All: 1.606 $\pm$ 0.000	χ^2 /NDF: 67835231560.9/9
Right Out: 1.357 $\pm$ 0.000	χ^2 /NDF: 11157737891.2/24	- sign 1.570 $\pm$ 0.000	χ^2 /NDF: 34208379349.6/47
Left In: 1.619 $\pm$ 0.000	χ^2 /NDF: 20618198188.1/22		

yield_bpm0r05Y_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 765073.1/19

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1042871.8/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 1286276.8/24

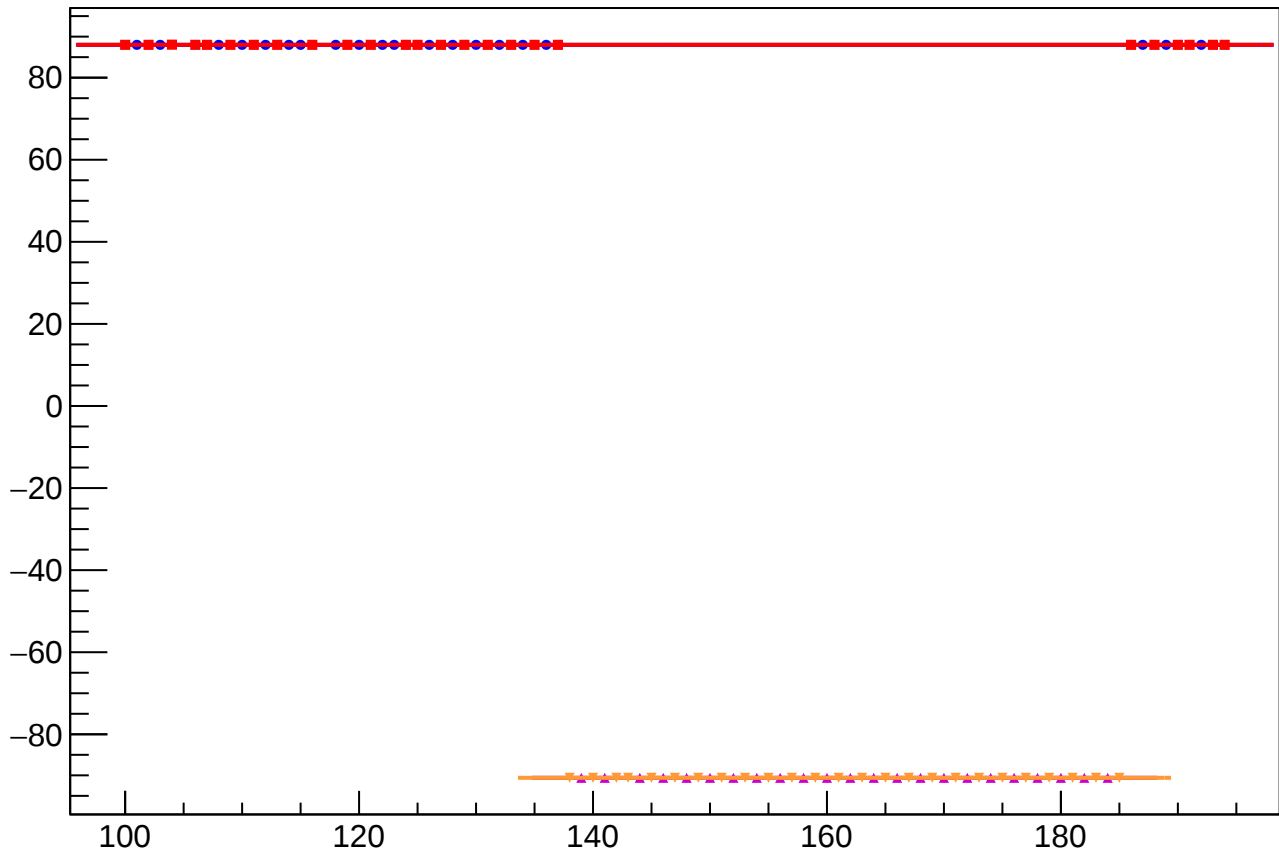
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:878356.2/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3679253.6/44

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 7668152.2/92

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3973179.0/47

epics_VWienAngles_mean vs Slug



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 2372893.6/19

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 5785821.4/24

Right Out: 88.003 $\pm$ 0.000 χ^2 /NDF: 79492317946045126833764040704.0/24

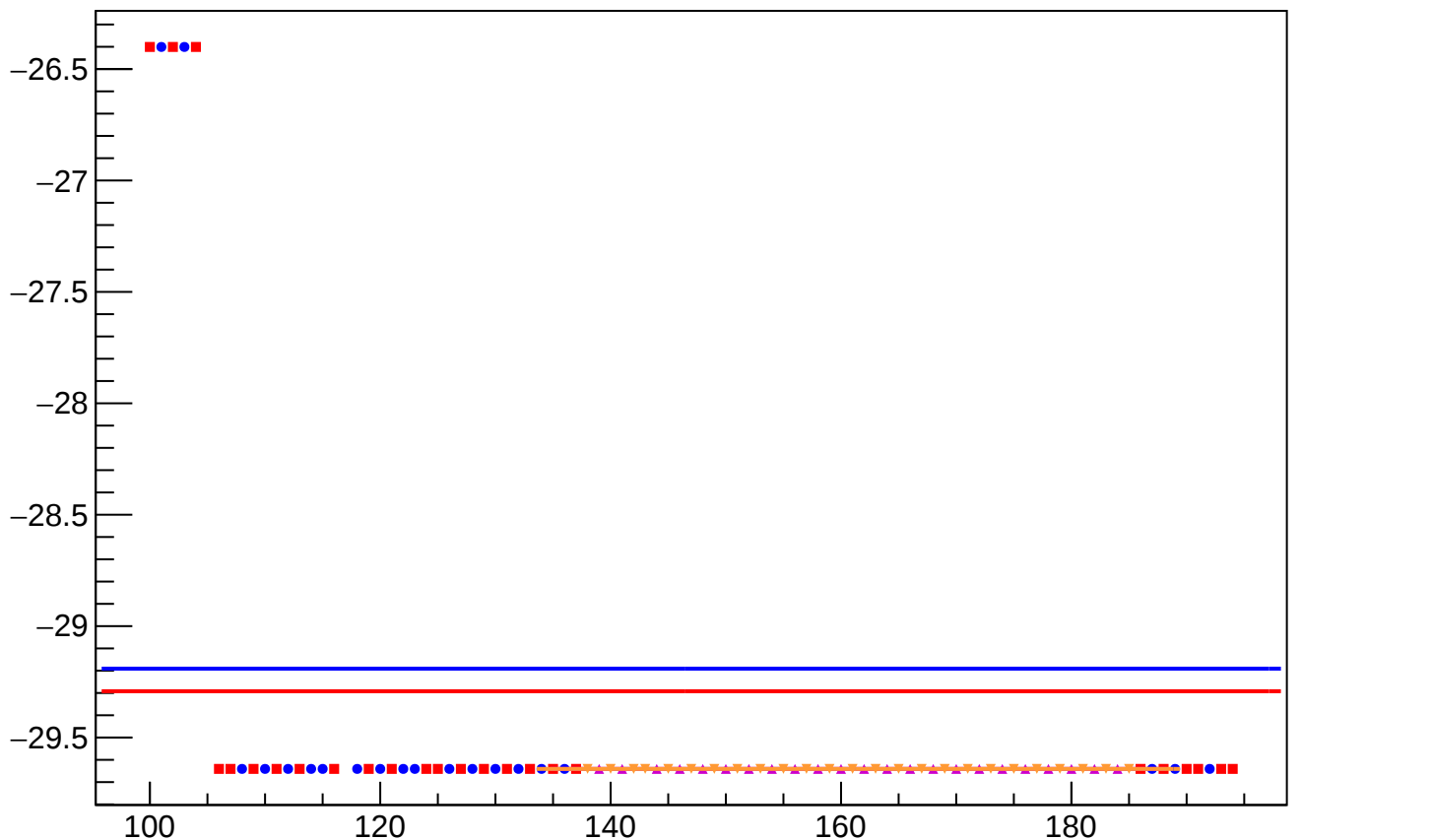
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 7134230.8/22

+ sign -35.496 $\pm$ 0.000 χ^2 /NDF: 187480115172413

All: -29.426 $\pm$ 0.000 χ^2 /NDF: 404355150642

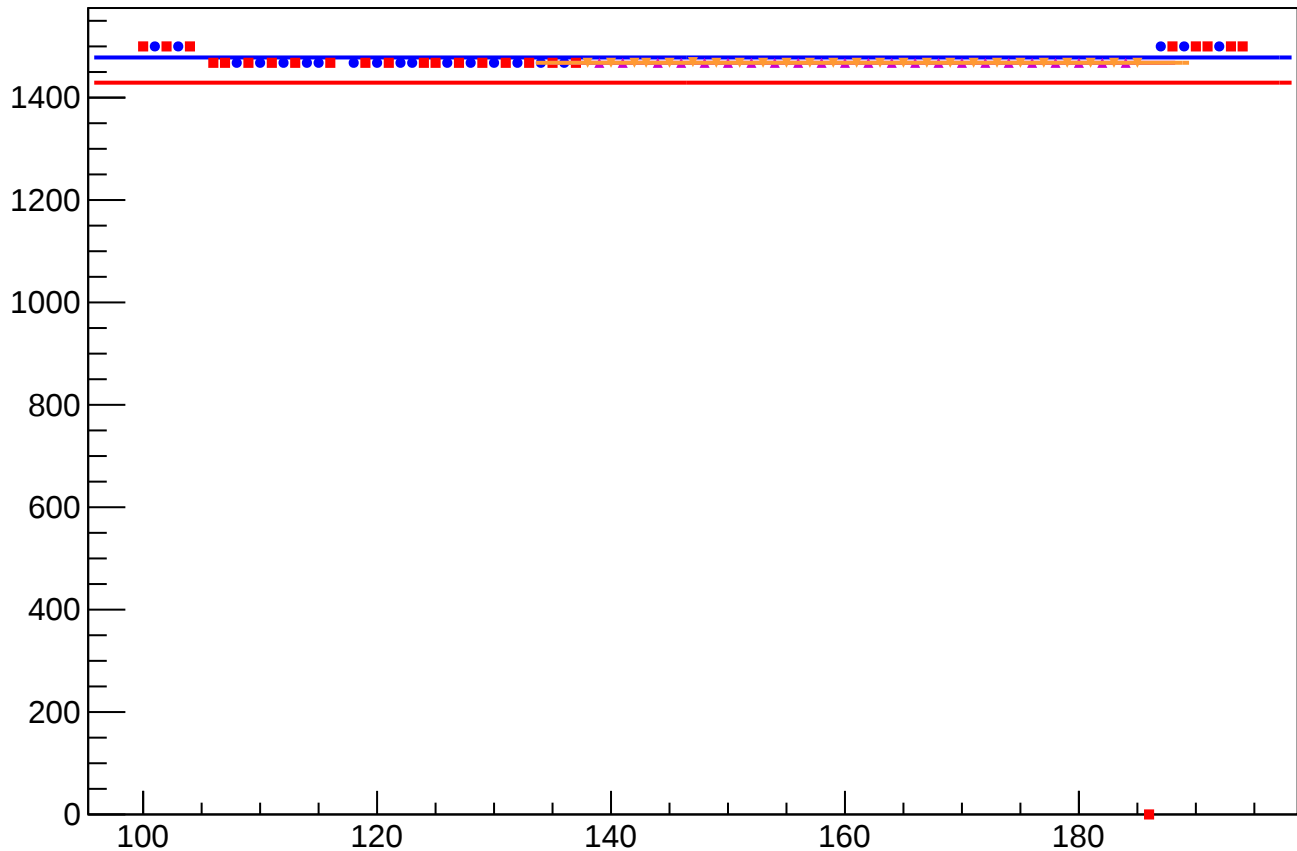
- sign -23.608 $\pm$ 0.000 χ^2 /NDF: 2148871997612975

epics_HWienAngles_mean vs Slug



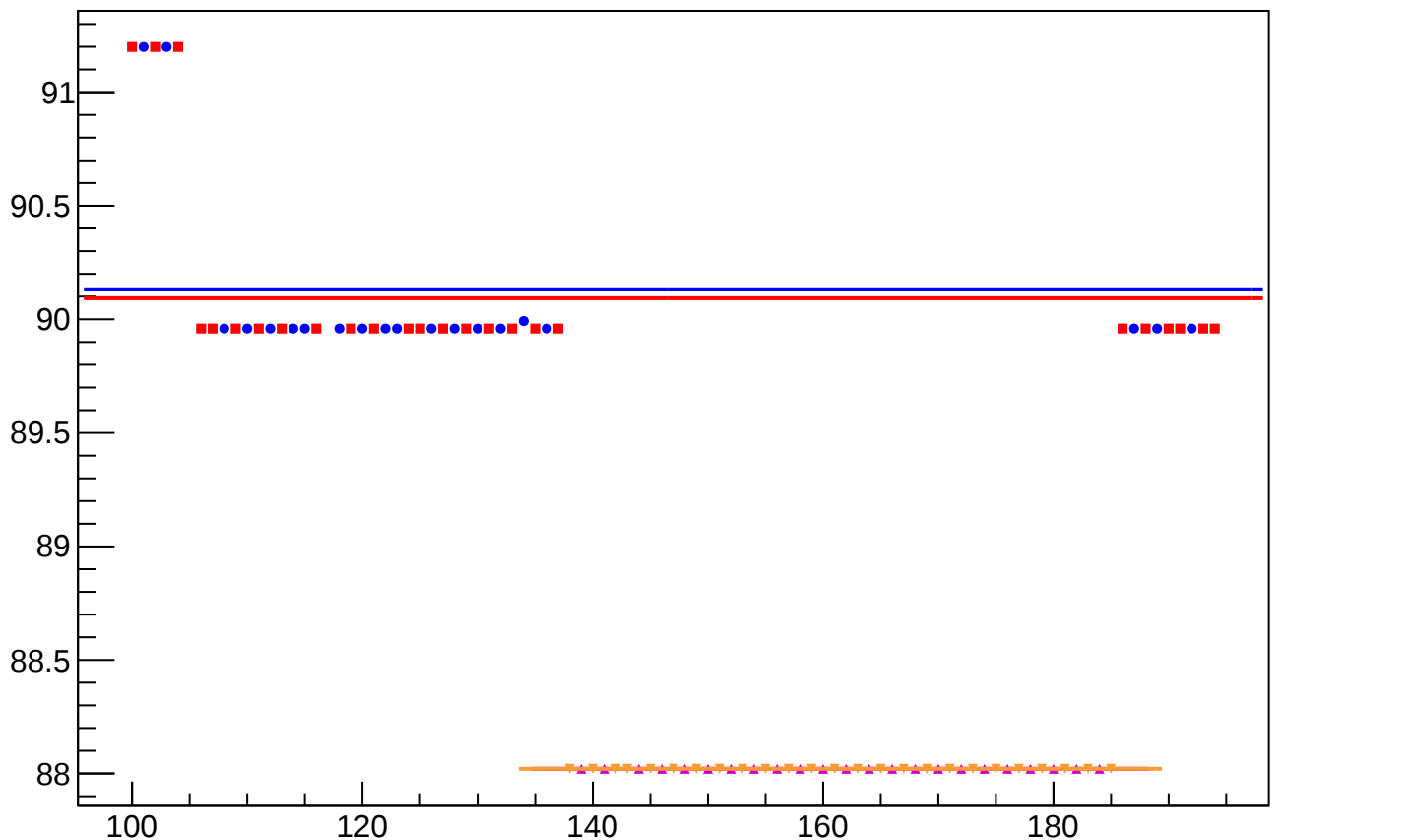
Right In: -29.191 ± 0.000 χ^2/NDF : 1066753761882362033178054492160000.0/19
 Left Out: -29.641 ± 0.000 χ^2/NDF : 530354.3/24
 Right Out: -29.292 ± 0.000 χ^2/NDF : 1086686622634506947920376658657280.0/24
 Left In: -29.641 ± 0.000 χ^2/NDF : 382603.8/22
 + sign -29.502 ± 0.000 χ^2/NDF : 118566105321232
 All: -29.506 ± 0.000 χ^2/NDF : 235432317782
 - sign -29.510 ± 0.000 χ^2/NDF : 1168572085177429

epics_psub_pl_poss_mean vs Slug



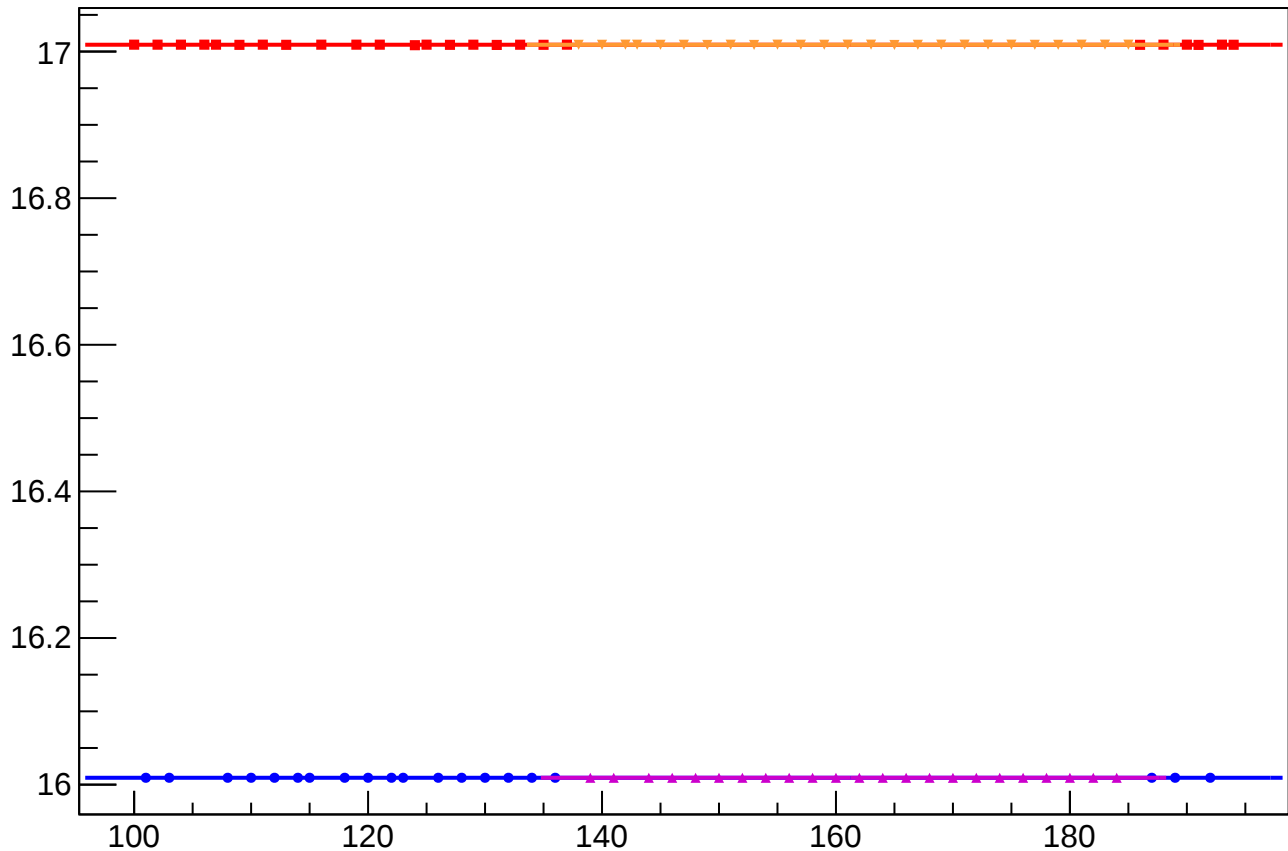
Right In: 1478.415 $\pm$ 0.000 χ^2 /NDF: 191468028823888560735456011933974528.0/19
 Left Out: 1468.048 $\pm$ 0.000 χ^2 /NDF: 127949199501977668488138456039424.0/24
 Right Out: 1429.184 $\pm$ 0.000 χ^2 /NDF: 80712131840734480315290584516411785216.0/24
 Left In: 1467.994 $\pm$ 0.000 χ^2 /NDF: 144497772795444989723550941184.0/22

epics_Phi_FGs_mean vs Slug



Right In: 90.132 $\pm$ 0.000 χ^2 /NDF: 156032531019081029898158829731840.0/19
 Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 5679798.5/24
 Right Out: 90.093 $\pm$ 0.000 χ^2 /NDF: 159168700556621680921199679373312.0/24
 Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 6257169.0/22

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 114063.0/19

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 26194929080144976634970112.0/24

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 15899459218024001683062784.0/24

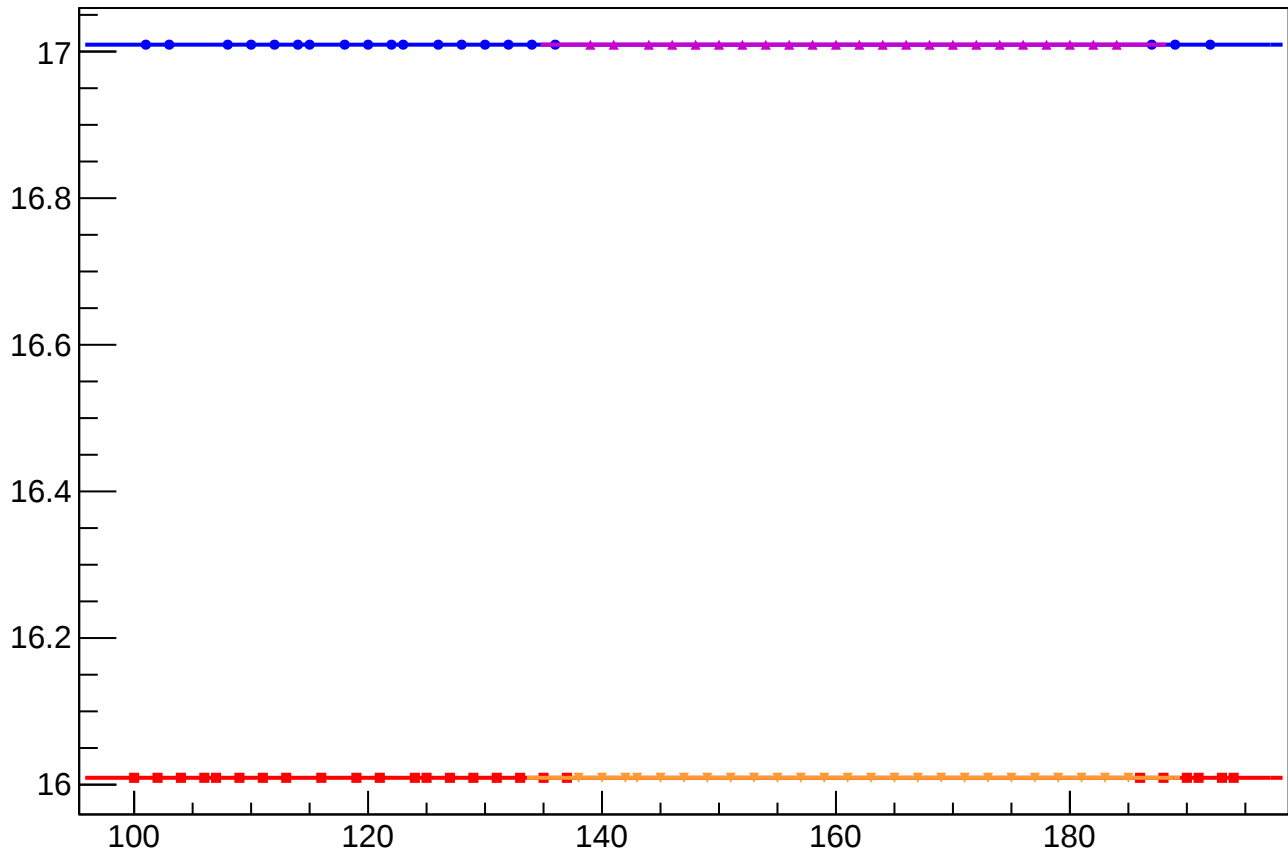
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127920993667935400624128.0/22

+ sign 16.693 $\pm$ 0.000 χ^2 /NDF: 5593288679060804

All: 16.537 $\pm$ 0.000 χ^2 /NDF: 1312358661023

- sign 16.387 $\pm$ 0.000 χ^2 /NDF: 6293645710491642

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009 $\pm$ 0.000 χ^2 /NDF: 198868.7/19

Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 61253.5/24

Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 216842.1/24

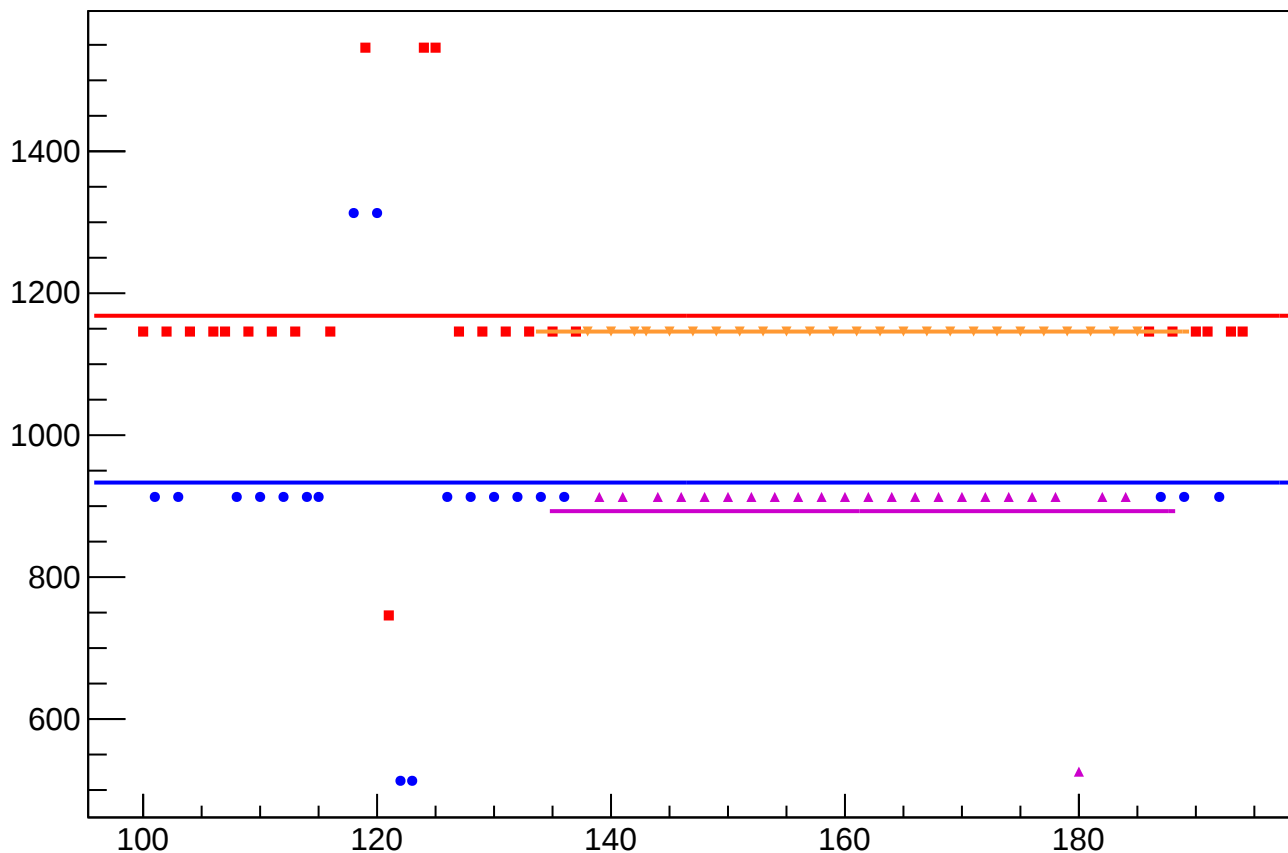
Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 114986101427233622065152.0/22

+ sign 16.312 $\pm$ 0.000 χ^2 /NDF: 5700844757317430

All: 16.475 $\pm$ 0.000 χ^2 /NDF: 1373604338100

- sign 16.630 $\pm$ 0.000 χ^2 /NDF: 6645337727074170

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 933.230+/-0.000 χ^2/NDF : 20933291733432367671964991969506099200.0/19

Left Out: 1146.011+/-0.000 χ^2/NDF : 8056834670270133849999540224.0/24

Right Out: 1168.274+/-0.000 χ^2/NDF : 21546371259977567888980527918453096448.0/24

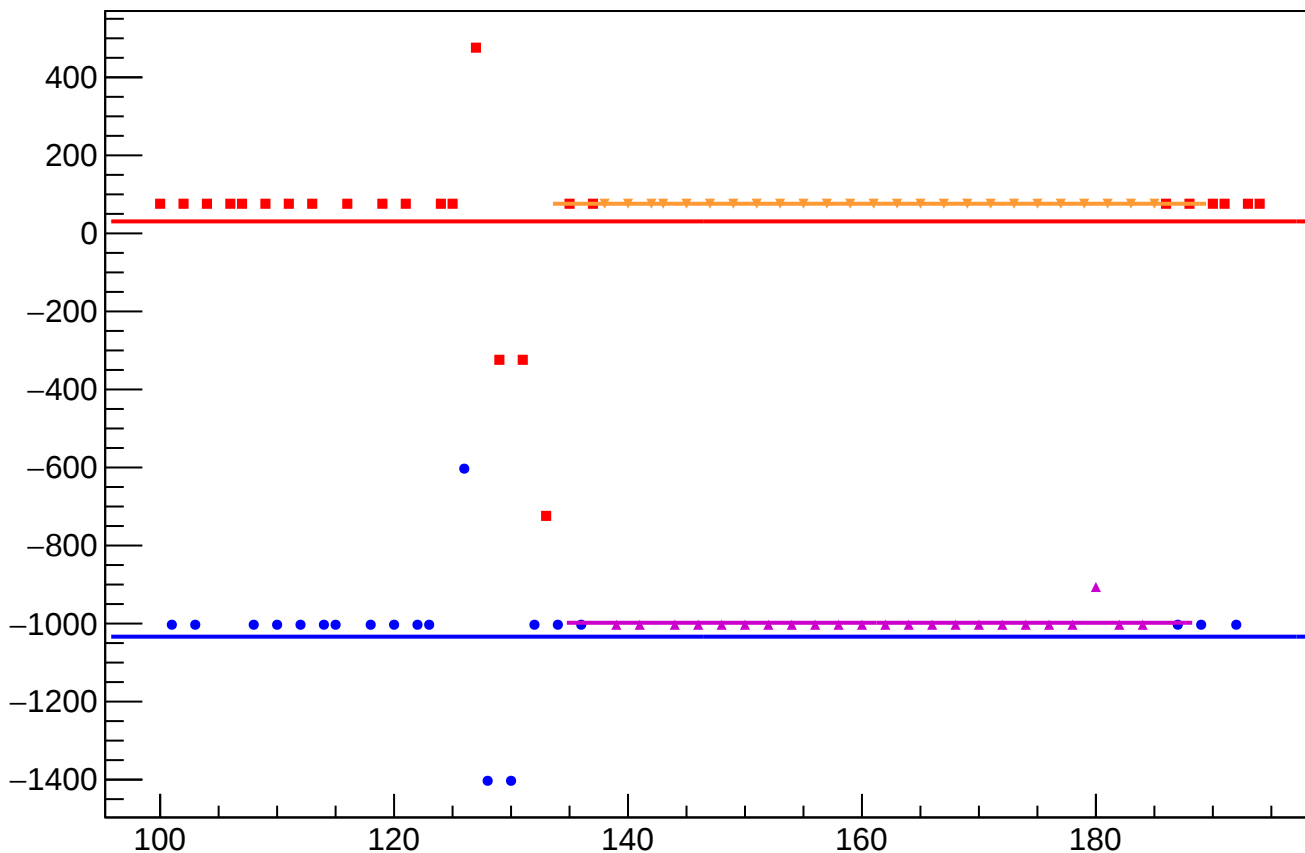
Left In: 892.950+/-0.000 χ^2/NDF : 13213852485930520518972295012897783808.0/22

All: 1037.402+/-0.000 χ^2/NDF : 14332794205

+ sign 1080.362+/-0.000 χ^2/NDF : 47544020640655

- sign 996.221+/-0.000 χ^2/NDF : 858253983730884

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1033.578+/-0.000 χ^2/NDF : 22404361345744756860287620110348189696.0/19

Left Out: 76.011+/-0.000 χ^2/NDF : 11479003589933272170007363584.0/24

Right Out: 30.741+/-0.000 χ^2/NDF : 44830581001748476320632974714700038144.0/24

Left In: -997.979+/-0.000 χ^2/NDF : 825858066518991041870194619245920256.0/22

+ sign -266.330+/-0.000 χ^2/NDF : 74603384449040

All: -442.880+/-0.000 χ^2/NDF : 16727863859

- sign -612.119+/-0.000 χ^2/NDF : 758562860043550