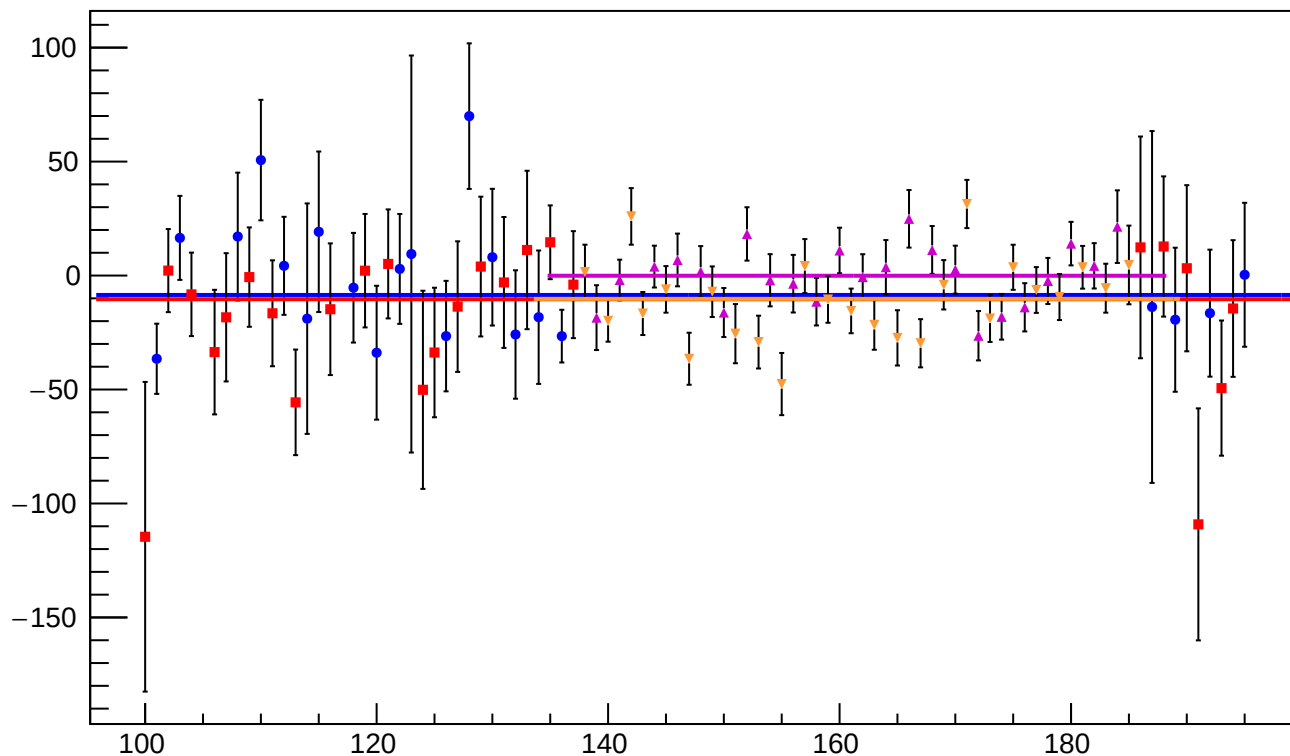


diff_bpm4aX_mean vs Slug



Right In: -8.513 ± 5.335

χ^2/NDF : 23.1/20

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 -9.993 ± 2.010

χ^2/NDF : 81.4/45

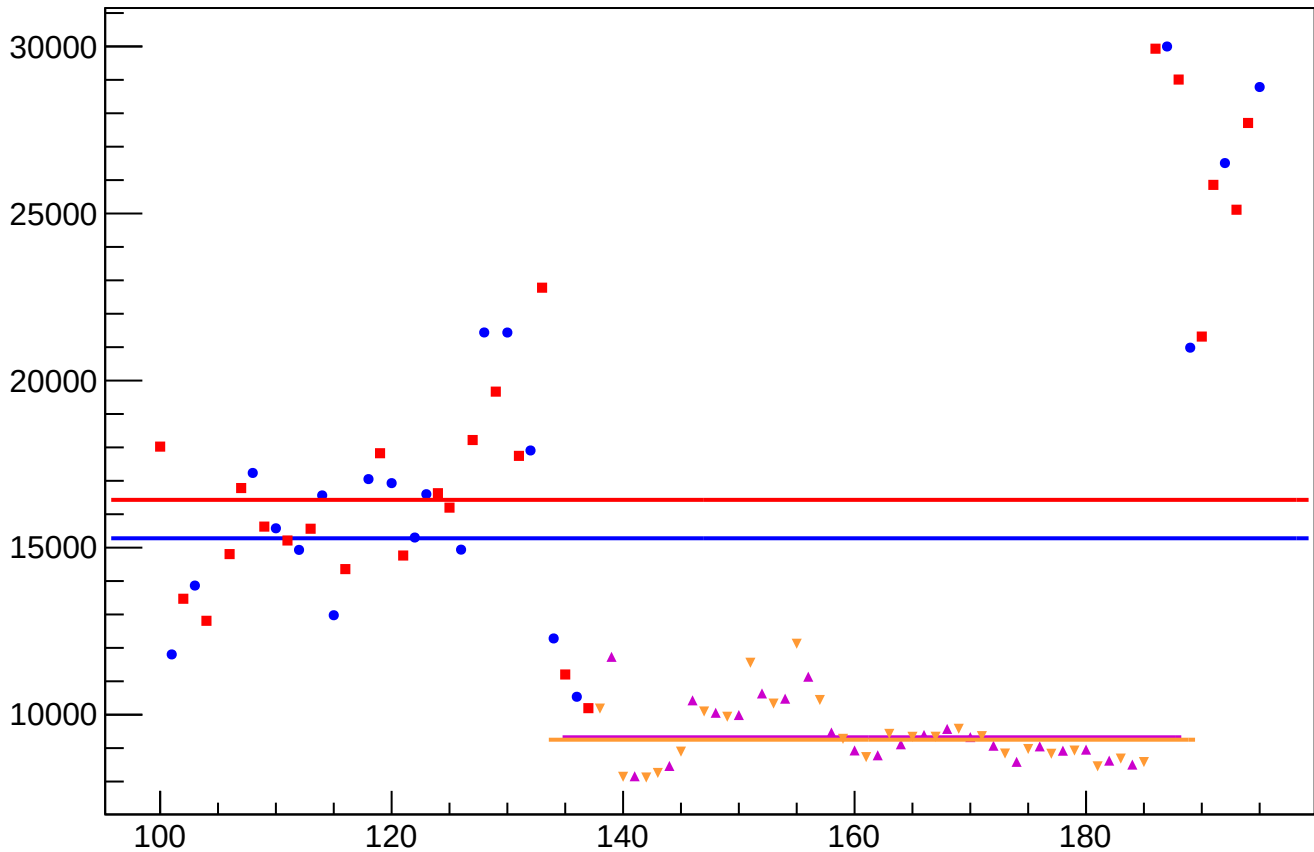
All: -5.951 ± 1.442

χ^2/NDF : 142.3/93

- sign -1.663 ± 2.071

χ^2/NDF : 52.6/47

diff_bpm4aX_rms vs Slug



Right In: 15280.204+/-3.773 χ^2/NDF : 1514617.0/20

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

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

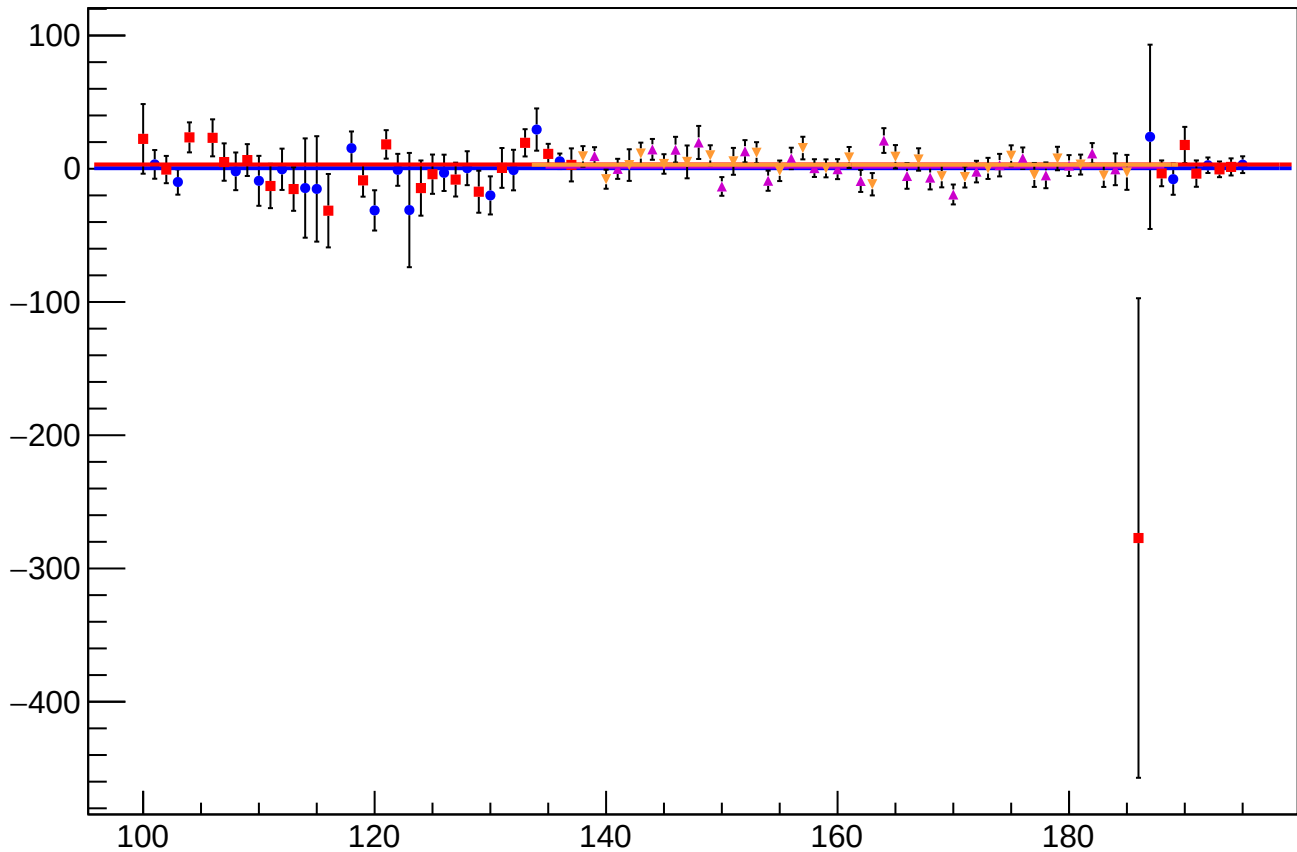
Left In: 9323.983+/-1.591 χ^2/NDF : 275717.0/22

+ sign 10107.617+/-1.421 χ^2/NDF : 4037691.9/45

All: 10256.421+/-1.020 χ^2/NDF : 9070646.4/9

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

diff_bpm4aY_mean vs Slug



Right In: 0.417 ± 2.441 χ^2/NDF : 15.4/20

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

Right Out: 3.215 ± 2.264 χ^2/NDF : 25.0/24

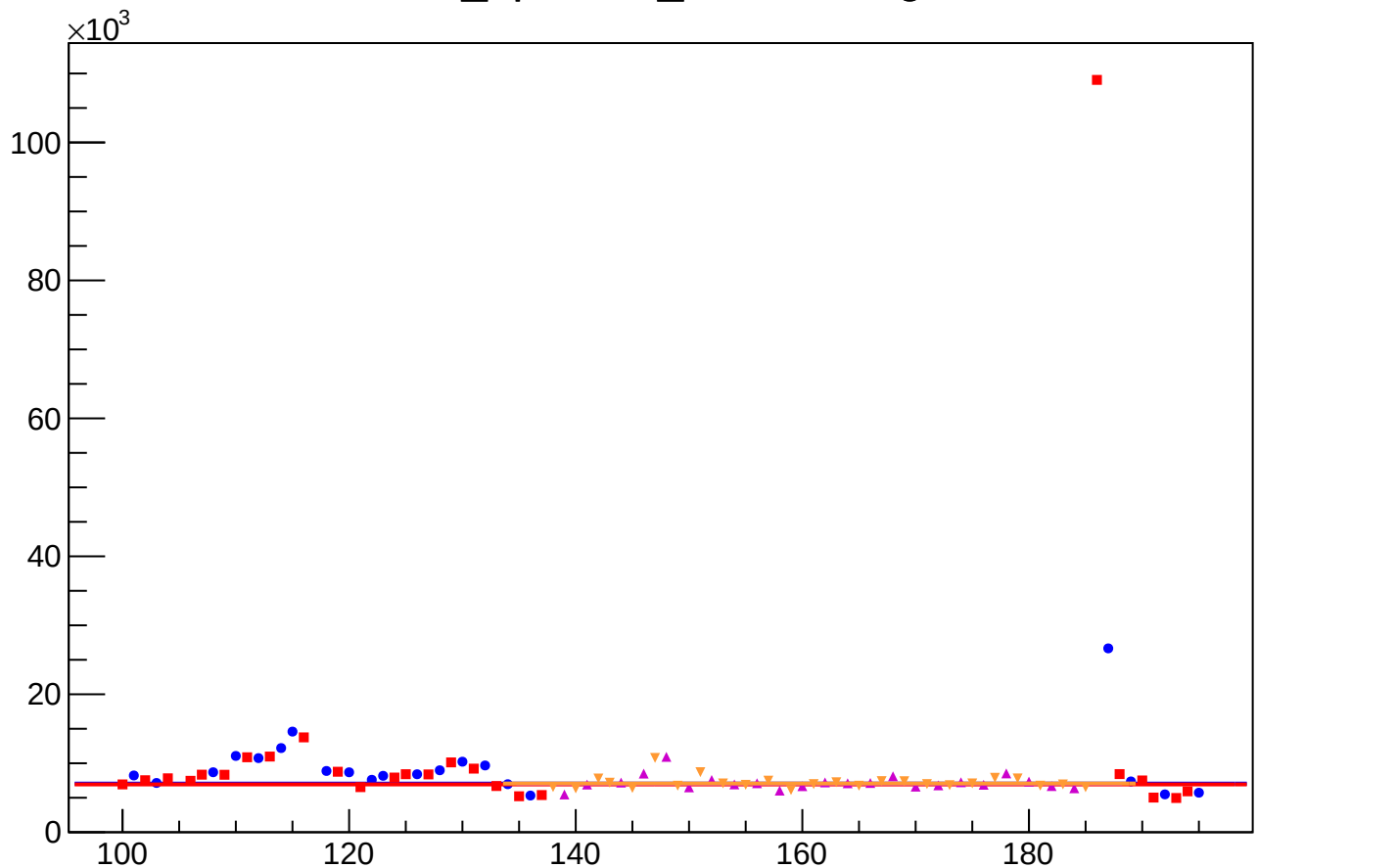
Left In: 1.588 ± 1.703 χ^2/NDF : 35.5/22

+ sign 2.201 ± 1.373 χ^2/NDF : 34.8/45

All: 2.188 ± 0.967 χ^2/NDF : 95.6/93

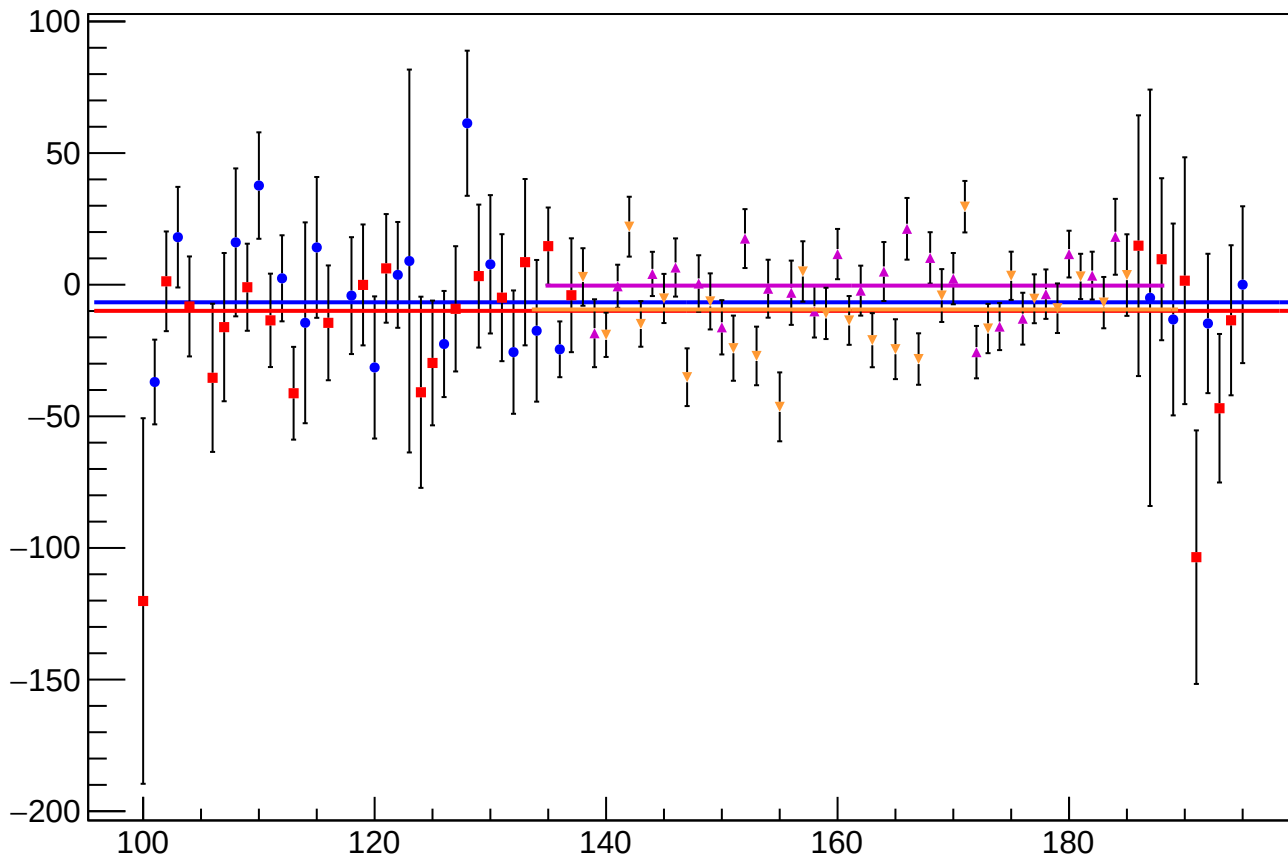
- sign 2.176 ± 1.361 χ^2/NDF : 60.8/47

diff_bpm4aY_rms vs Slug



Right In: 7049.355 $\pm$ 1.726	χ^2/NDF : 1234587.9/20	+ sign 7059.678 $\pm$ 0.971	χ^2/NDF : 1621455.1/45
Left Out: 7064.457 $\pm$ 1.174	χ^2/NDF : 386814.9/24	All: 7021.964 $\pm$ 0.683	χ^2/NDF : 3983720.8/93
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: -6.680 ± 4.822 χ^2/NDF : 23.7/20

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

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

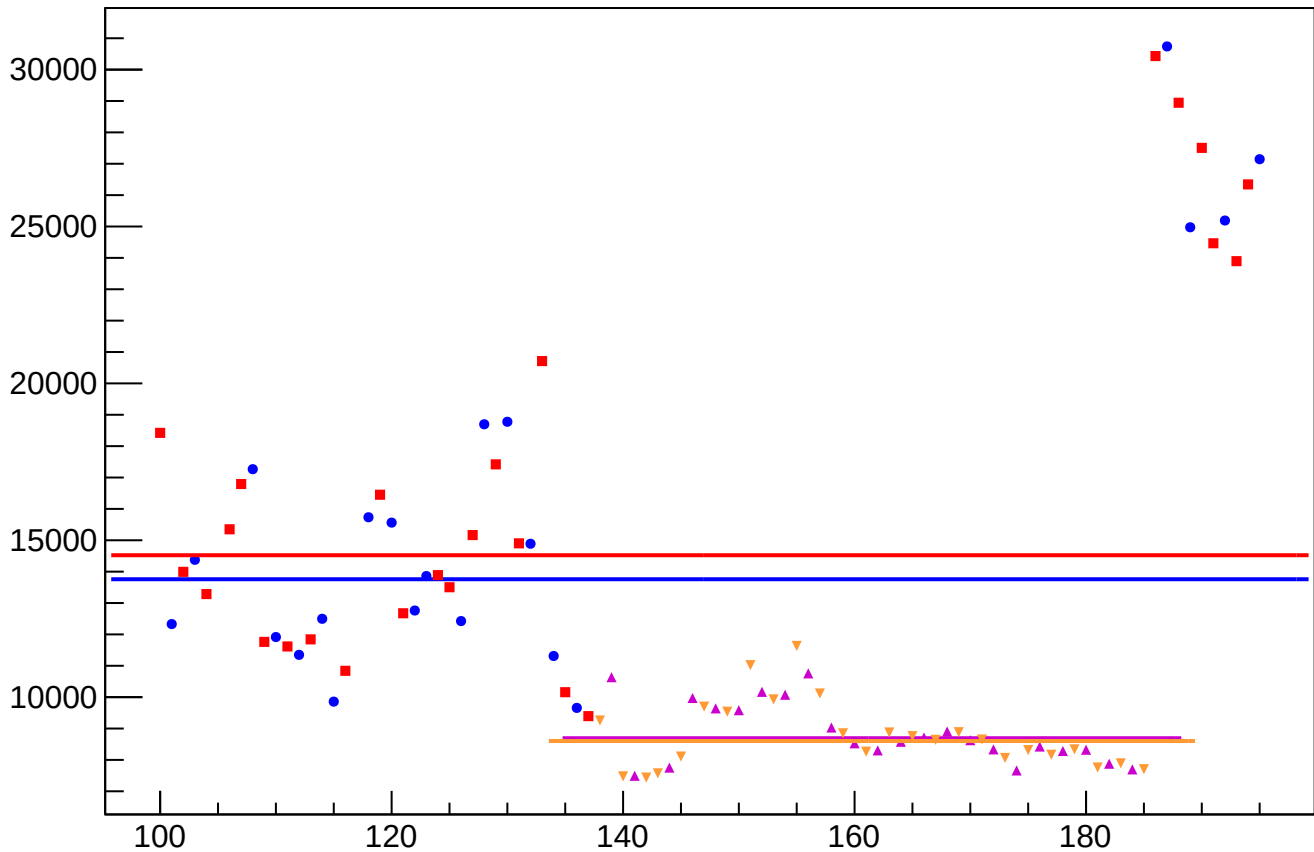
Left In: -0.344 ± 2.100 χ^2/NDF : 29.9/22

+ sign -9.003 ± 1.864 χ^2/NDF : 82.7/45

All: -5.568 ± 1.337 χ^2/NDF : 142.3/93

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

diff_bpm4eX_rms vs Slug



Right In: 13758.140+/-3.409 χ^2/NDF : 1708950.1/20

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

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

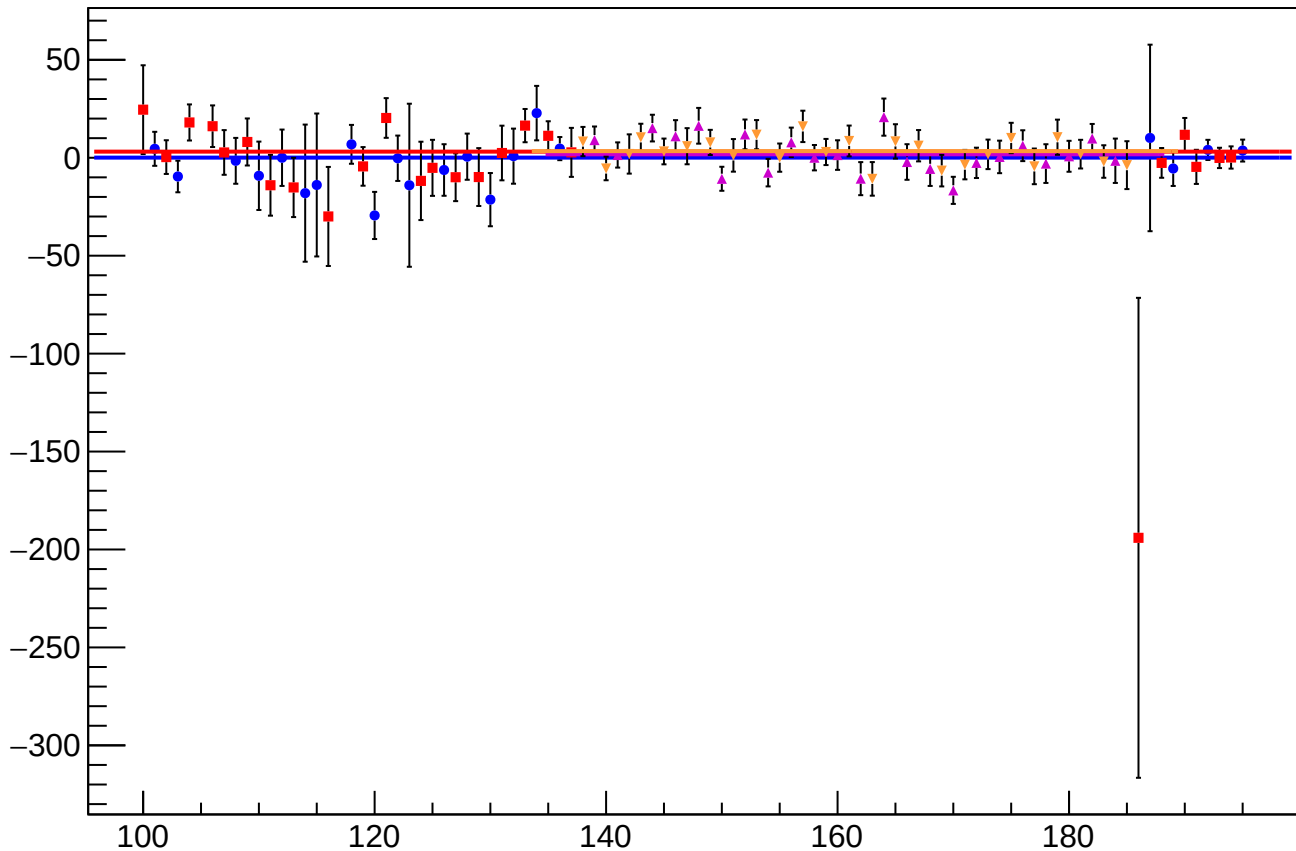
Left In: 8691.203+/-1.485 χ^2/NDF : 365254.6/22

+ sign 9372.698+/-1.318 χ^2/NDF : 4092964.6/45

All: 9508.210+/-0.946 χ^2/NDF : 9138378.0/93

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

diff_bpm4eY_mean vs Slug



Right In: 0.071 ± 2.178 χ^2/NDF : 16.5/20

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

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

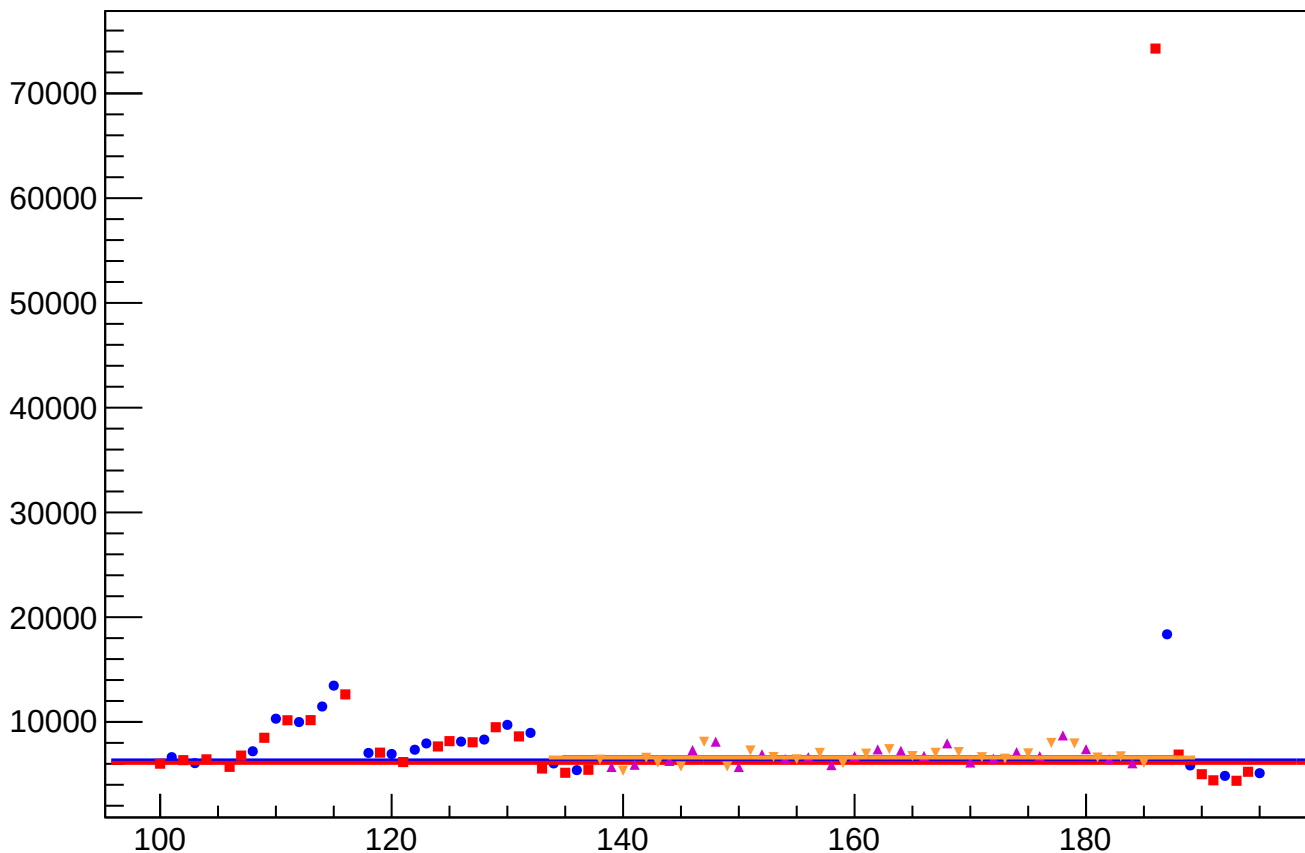
Left In: 1.756 ± 1.607 χ^2/NDF : 33.5/22

+ sign 2.262 ± 1.264 χ^2/NDF : 35.2/45

All: 2.282 ± 0.888 χ^2/NDF : 94.2/93

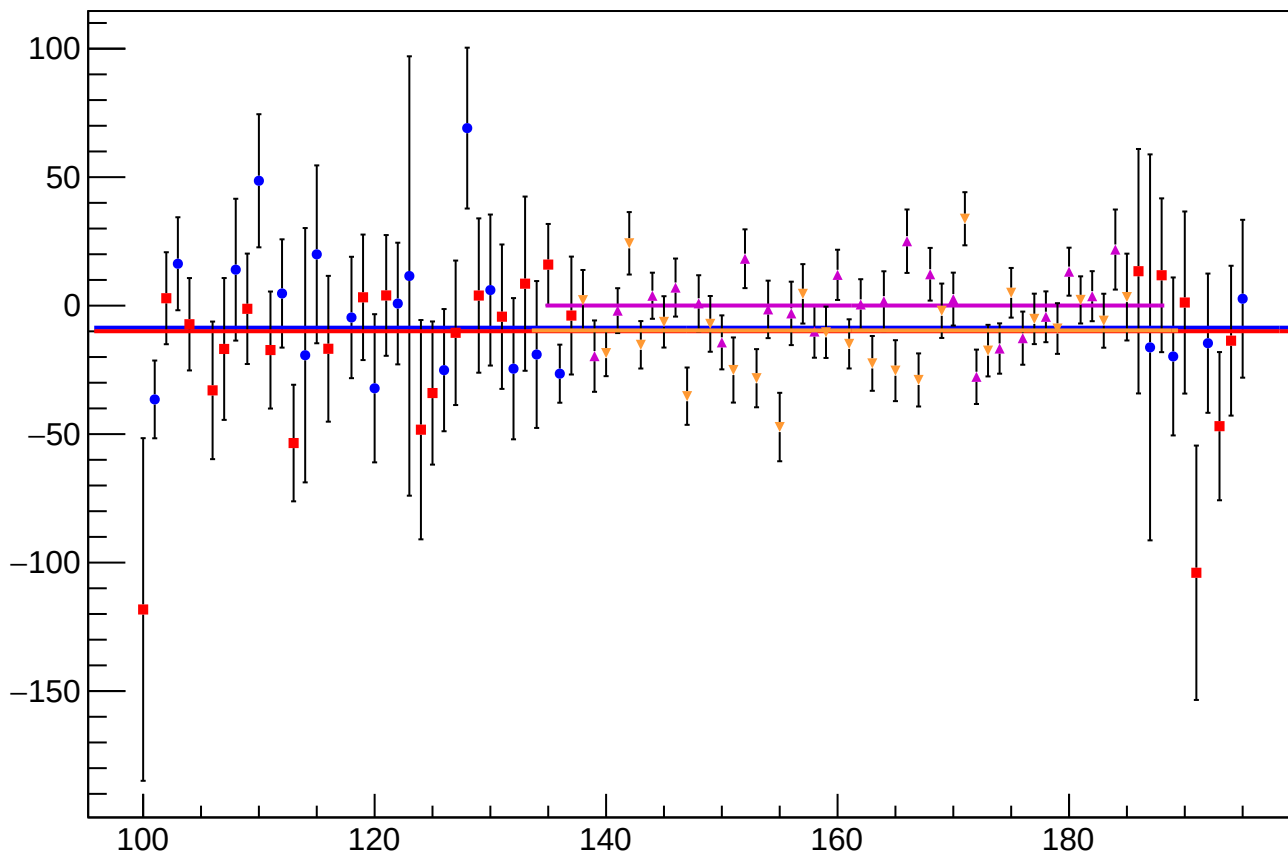
- sign 2.301 ± 1.248 χ^2/NDF : 59.0/47

diff_bpm4eY_rms vs Slug



Right In: 6325.242+/-1.540	χ^2/NDF : 1135657.7/20	+ sign 6510.119+/-0.894	χ^2/NDF : 1552626.0/45
Left Out: 6603.953+/-1.097	χ^2/NDF : 395247.5/24	All: 6465.158+/-0.628	χ^2/NDF : 3924847.0/93
Right Out: 6093.894+/-1.400	χ^2/NDF : 1860877.5/24	- sign 6421.345+/-0.882	χ^2/NDF : 2367223.6/47
Left In: 6637.155+/-1.136	χ^2/NDF : 415547.5/22		

diff_bpm4acX_mean vs Slug



Right In: -8.579 ± 5.226 χ^2/NDF : 23.1/20

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

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

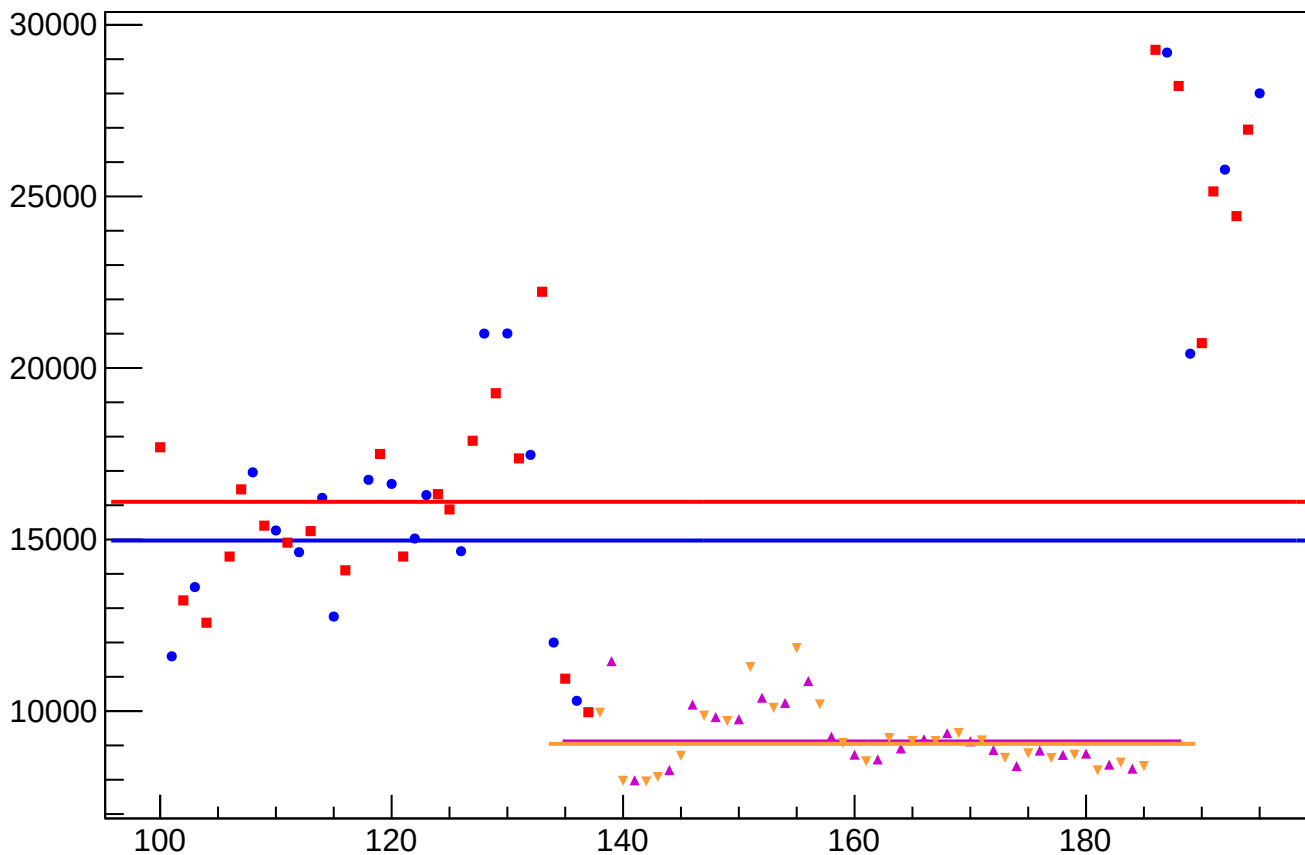
Left In: 0.042 ± 2.200 χ^2/NDF : 30.8/22

+ sign -9.490 ± 1.966 χ^2/NDF : 83.0/45

All: -5.608 ± 1.410 χ^2/NDF : 144.6/93

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

diff_bpm4acX_rms vs Slug



Right In: 14971.608+/-3.695 χ^2/NDF : 1501393.7/20

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

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

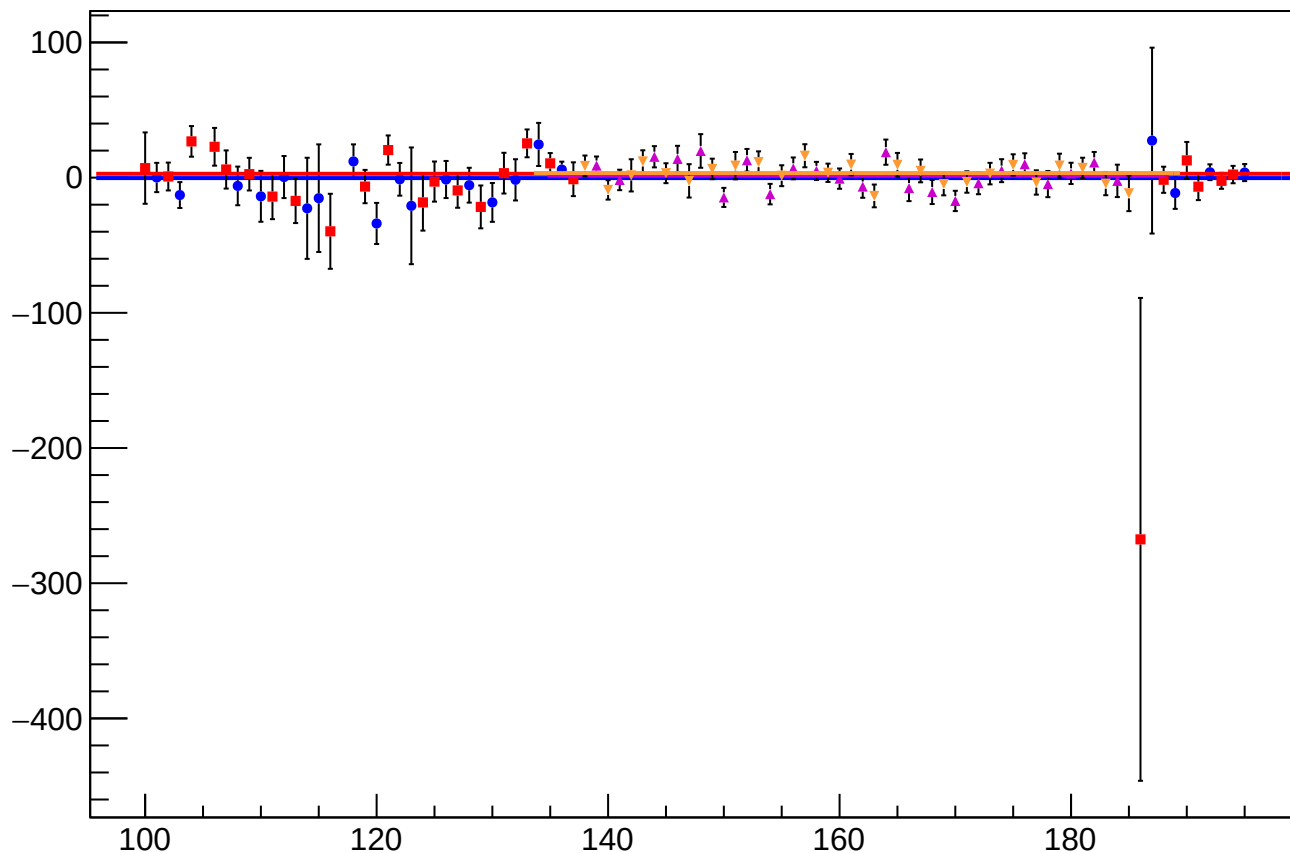
Left In: 9115.817+/-1.556 χ^2/NDF : 272471.8/22

+ sign 9884.517+/-1.390 χ^2/NDF : 4037741.6/45

All: 10029.913+/-0.997 χ^2/NDF : 9069519.8/5

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

diff_bpm4acY_mean vs Slug



Right In: -0.333 ± 2.453 χ^2/NDF : 16.3/20

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

Right Out: 2.845 ± 2.277 χ^2/NDF : 29.9/24

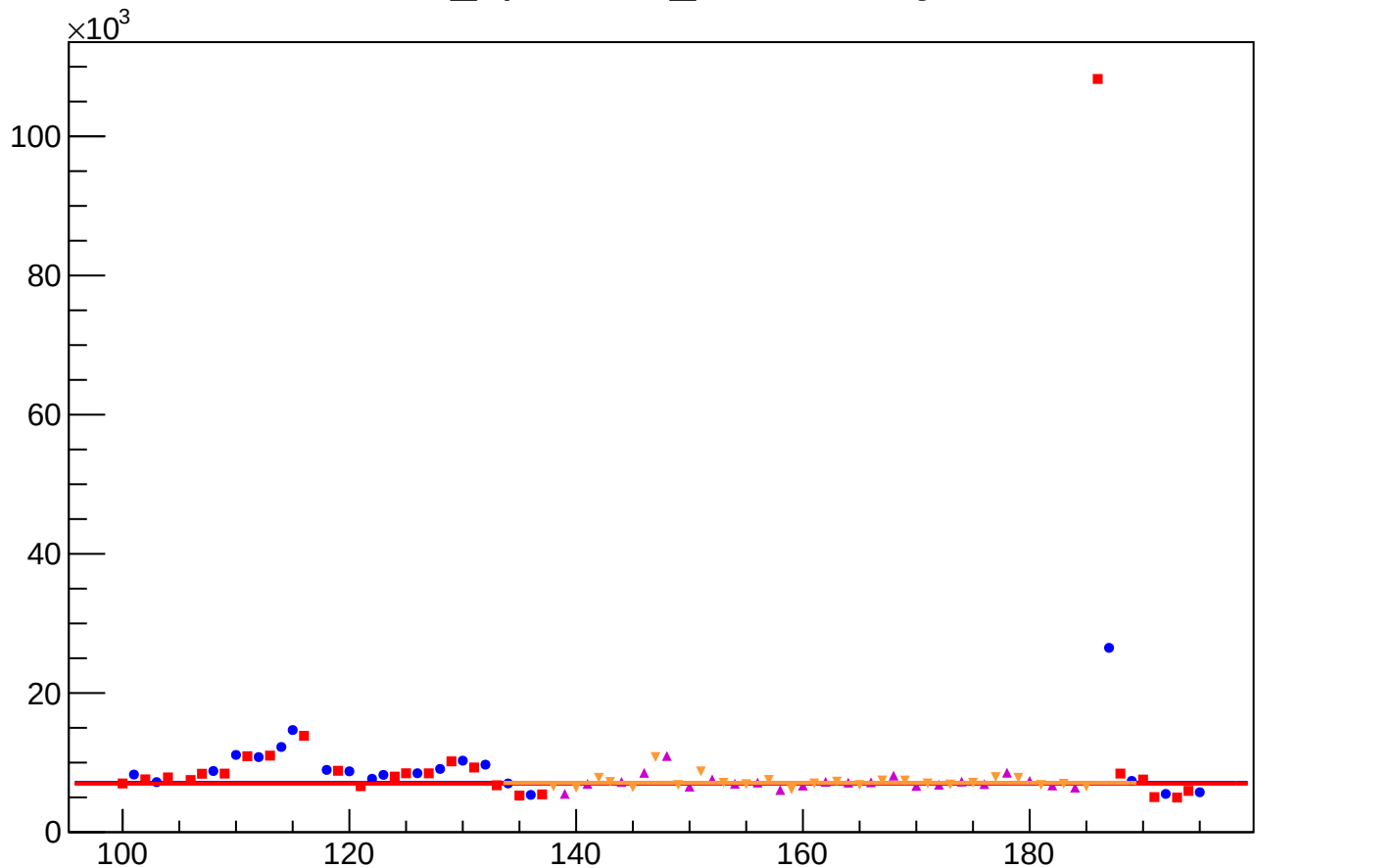
Left In: 1.479 ± 1.710 χ^2/NDF : 36.7/22

+ sign 2.211 ± 1.379 χ^2/NDF : 37.2/45

All: 2.091 ± 0.971 χ^2/NDF : 104.1/93

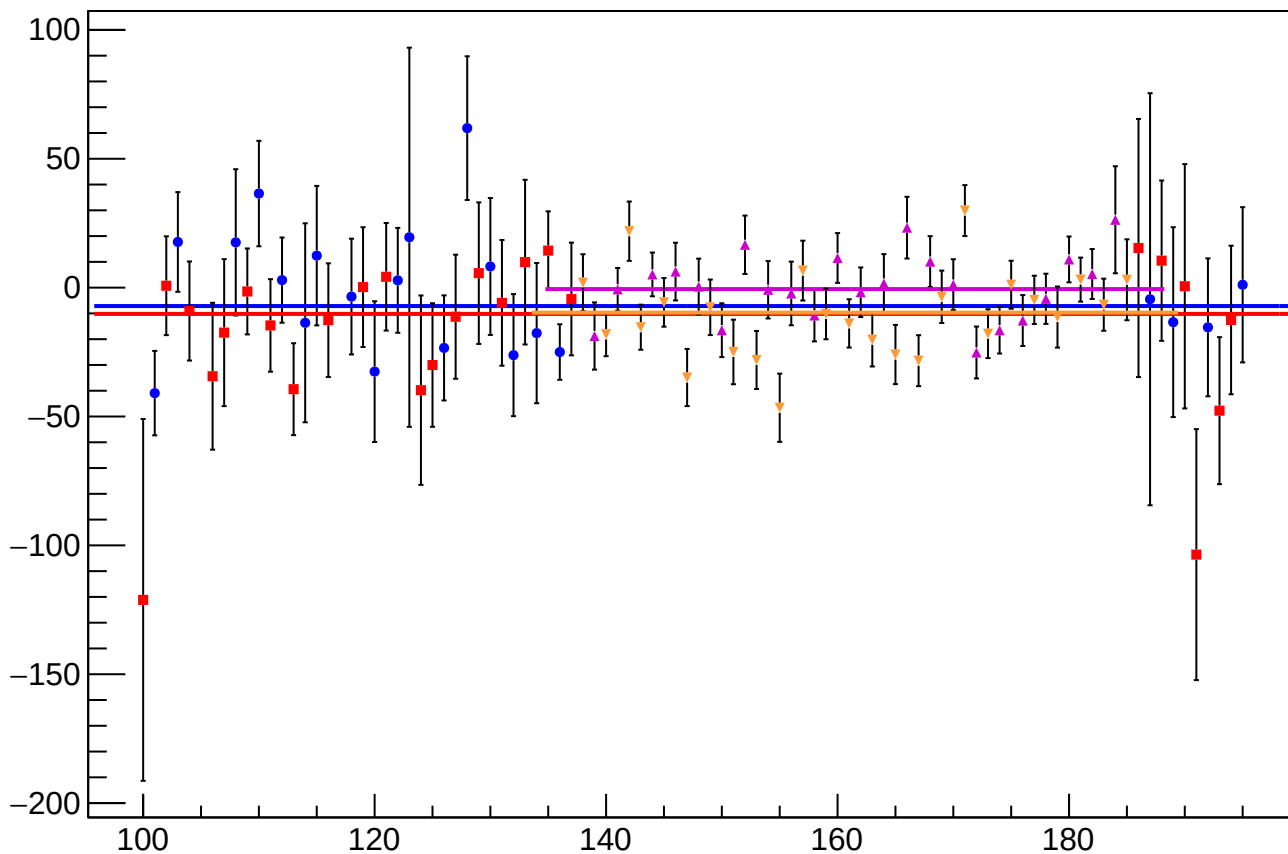
- sign 1.972 ± 1.367 χ^2/NDF : 66.8/47

diff_bpm4acY_rms vs Slug



Right In: 7085.381 $\pm$ 1.735	χ^2/NDF : 1240939.3/20	+ sign 7092.883 $\pm$ 0.975	χ^2/NDF : 1622908.7/45
Left Out: 7096.350 $\pm$ 1.179	χ^2/NDF : 381942.1/24	All: 7056.173 $\pm$ 0.687	χ^2/NDF : 3978768.6/93
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: -7.147 ± 4.885 χ^2/NDF : 24.2/20

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

Right Out: -10.192 ± 4.796 χ^2/NDF : 18.3/24

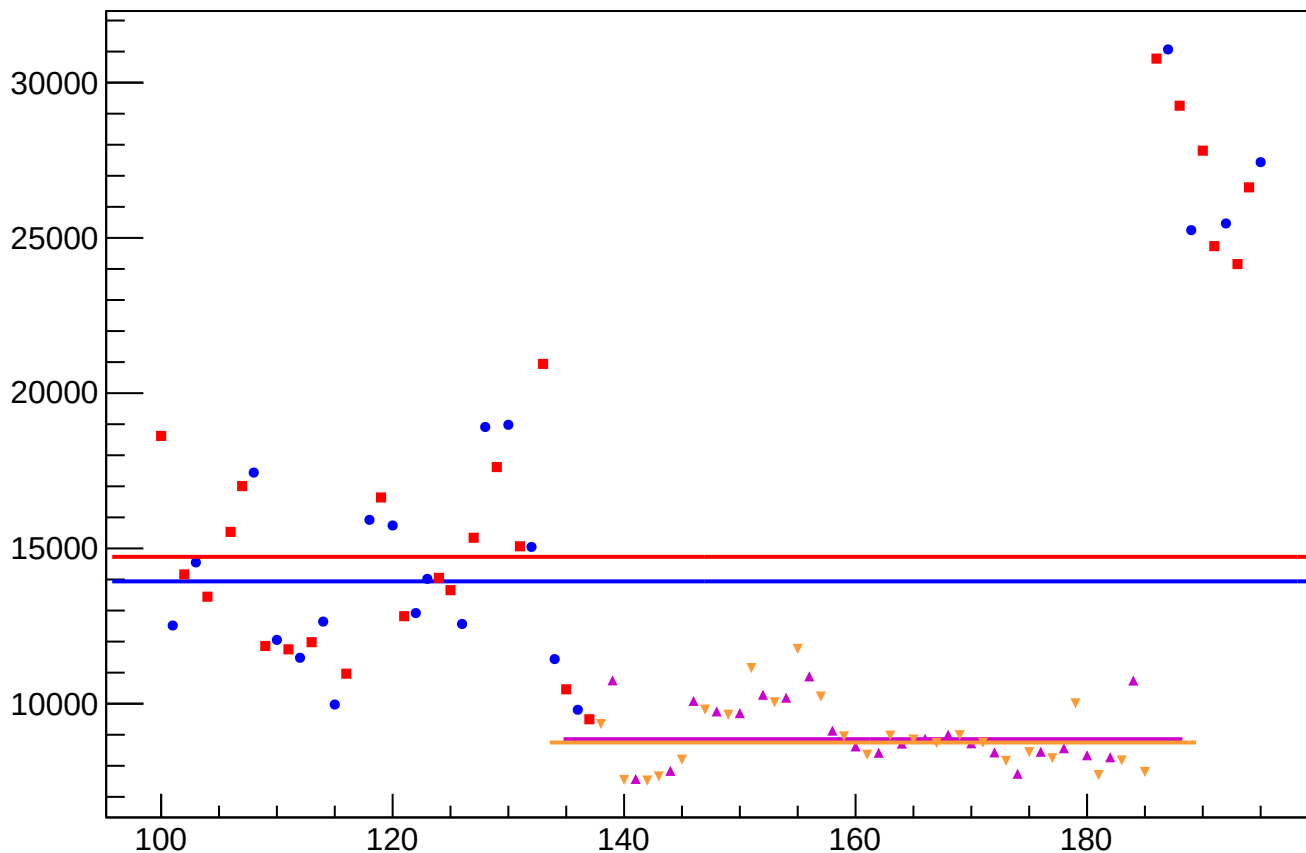
Left In: -0.564 ± 2.144 χ^2/NDF : 29.7/22

+ sign -9.289 ± 1.899 χ^2/NDF : 82.4/45

All: -5.836 ± 1.363 χ^2/NDF : 140.6/93

- sign -2.167 ± 1.957 χ^2/NDF : 51.4/47

diff_bpm4ecX_rms vs Slug



Right In: 13939.404 $\pm$ 3.454 χ^2 /NDF: 1697190.6/20

Left Out: 8750.420 $\pm$ 1.457 χ^2 /NDF:463880.1/24

Right Out: 14729.030 $\pm$ 3.391 χ^2 /NDF: 2095312.5/24

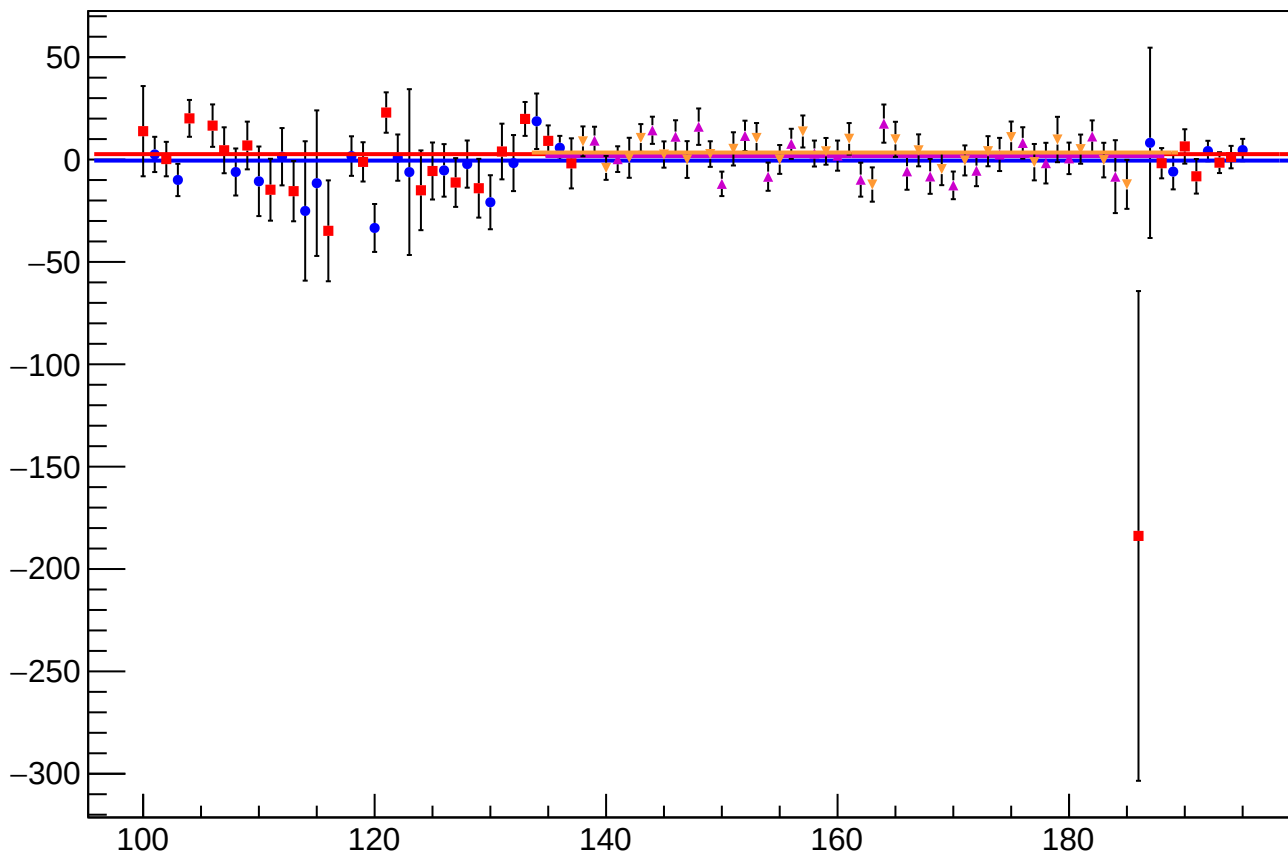
Left In: 8857.329 $\pm$ 1.516 χ^2 /NDF:361778.8/22

+ sign 9534.179 $\pm$ 1.343 χ^2 /NDF: 4076627.7/45

All: 9680.136 $\pm$ 0.964 χ^2 /NDF: 9057086.3/93

- sign 9835.211 $\pm$ 1.384 χ^2 /NDF: 4956081.4/47

diff_bpm4ecY_mean vs Slug



Right In: -0.504 ± 2.127 χ^2/NDF : 18.7/20

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

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

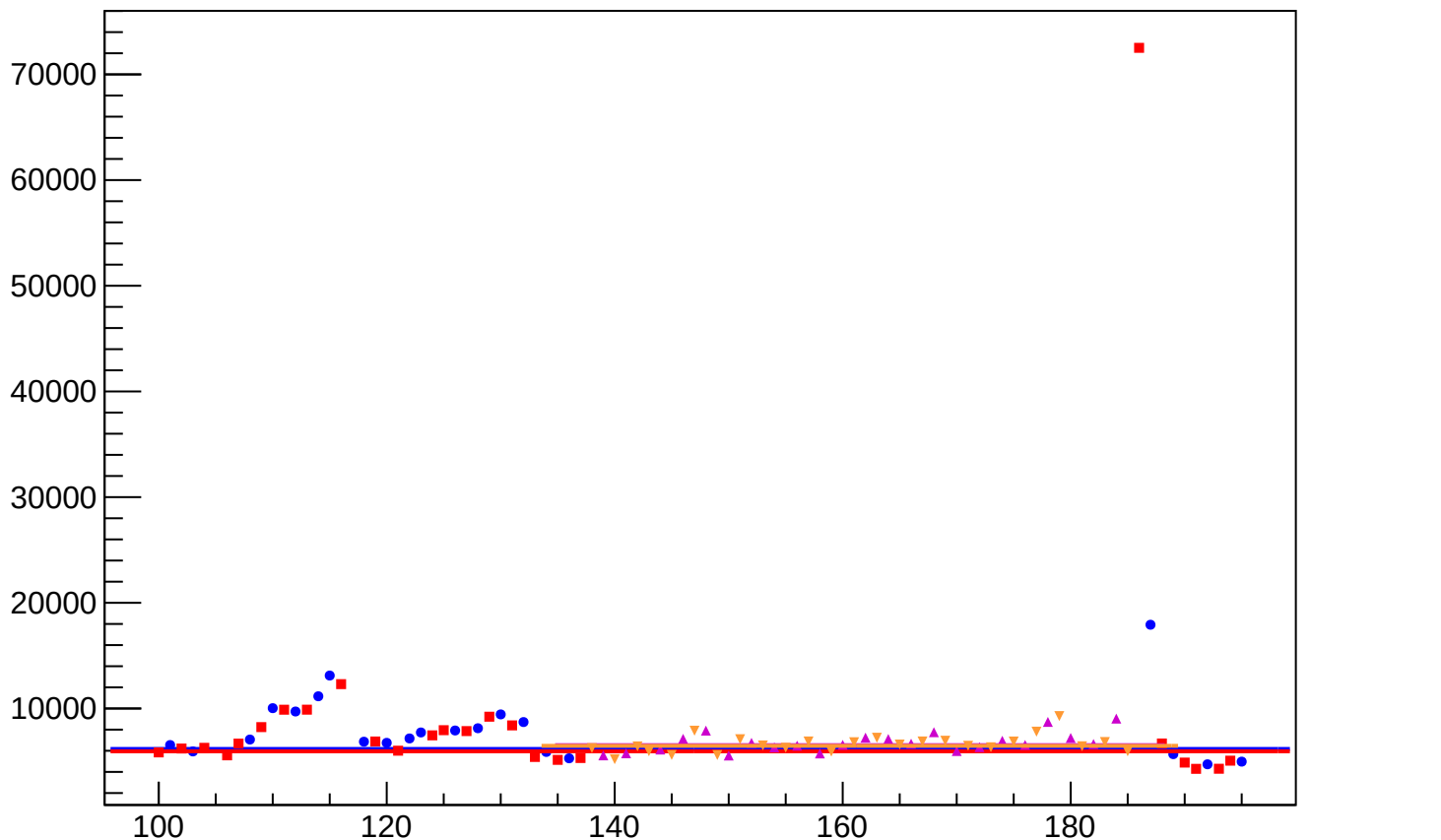
Left In: 1.734 ± 1.586 χ^2/NDF : 33.6/22

+ sign 2.096 ± 1.240 χ^2/NDF : 37.2/45

All: 2.098 ± 0.872 χ^2/NDF : 100.9/93

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

diff_bpm4ecY_rms vs Slug



Right In: 6172.438 ± 1.504 $\chi^2/\text{NDF}: 1135147.4/20$

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

Right Out: 5951.323 ± 1.368 $\chi^2/\text{NDF}: 1845935.1/24$

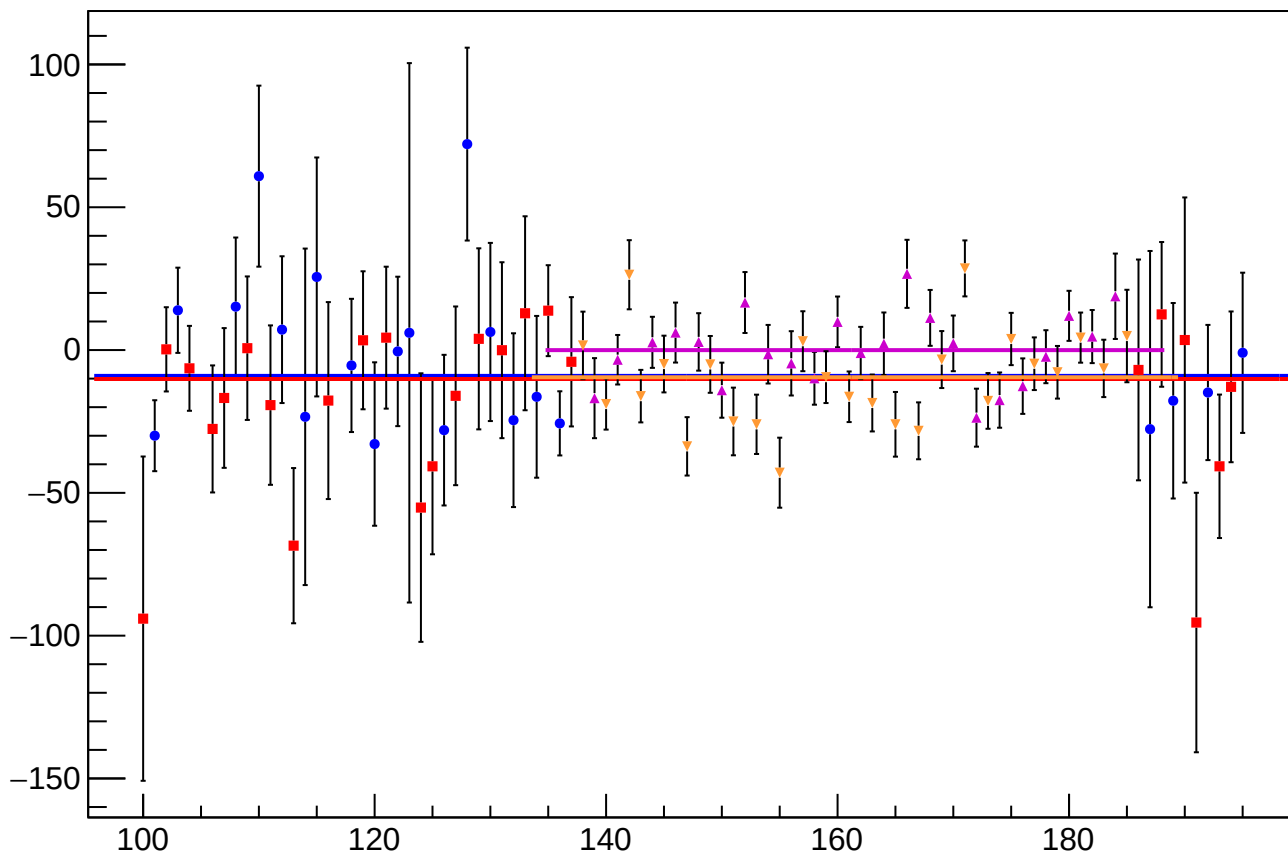
Left In: 6530.954 ± 1.121 $\chi^2/\text{NDF}: 464668.6/22$

+ sign 6368.185 ± 0.877 $\chi^2/\text{NDF}: 1647980.7/45$

All: 6332.684 ± 0.616 $\chi^2/\text{NDF}: 4069236.5/93$

- sign 6297.948 ± 0.867 $\chi^2/\text{NDF}: 2418011.2/47$

diff_bpm1X_mean vs Slug



Right In: -9.045 ± 5.100 χ^2/NDF : 22.4/20

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

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

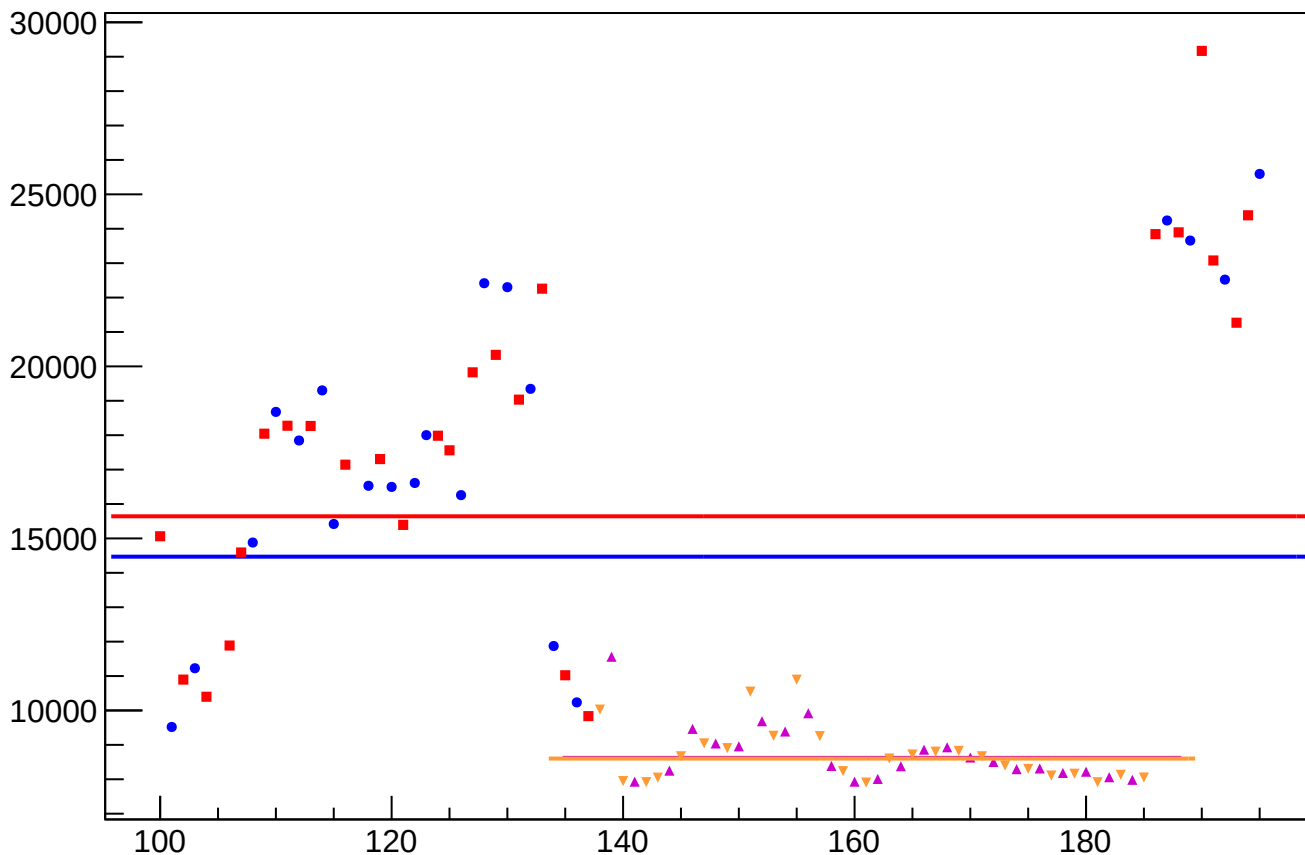
Left In: -0.027 ± 2.080 χ^2/NDF : 29.9/22

+ sign -9.463 ± 1.874 χ^2/NDF : 82.0/45

All: -5.579 ± 1.342 χ^2/NDF : 144.1/93

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

diff_bpm1X_rms vs Slug



Right In: 14469.664 $\pm$ 3.606 χ^2 /NDF: 1876544.4/20

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

Right Out: 15642.566 $\pm$ 3.581 χ^2 /NDF: 1900485.2/24

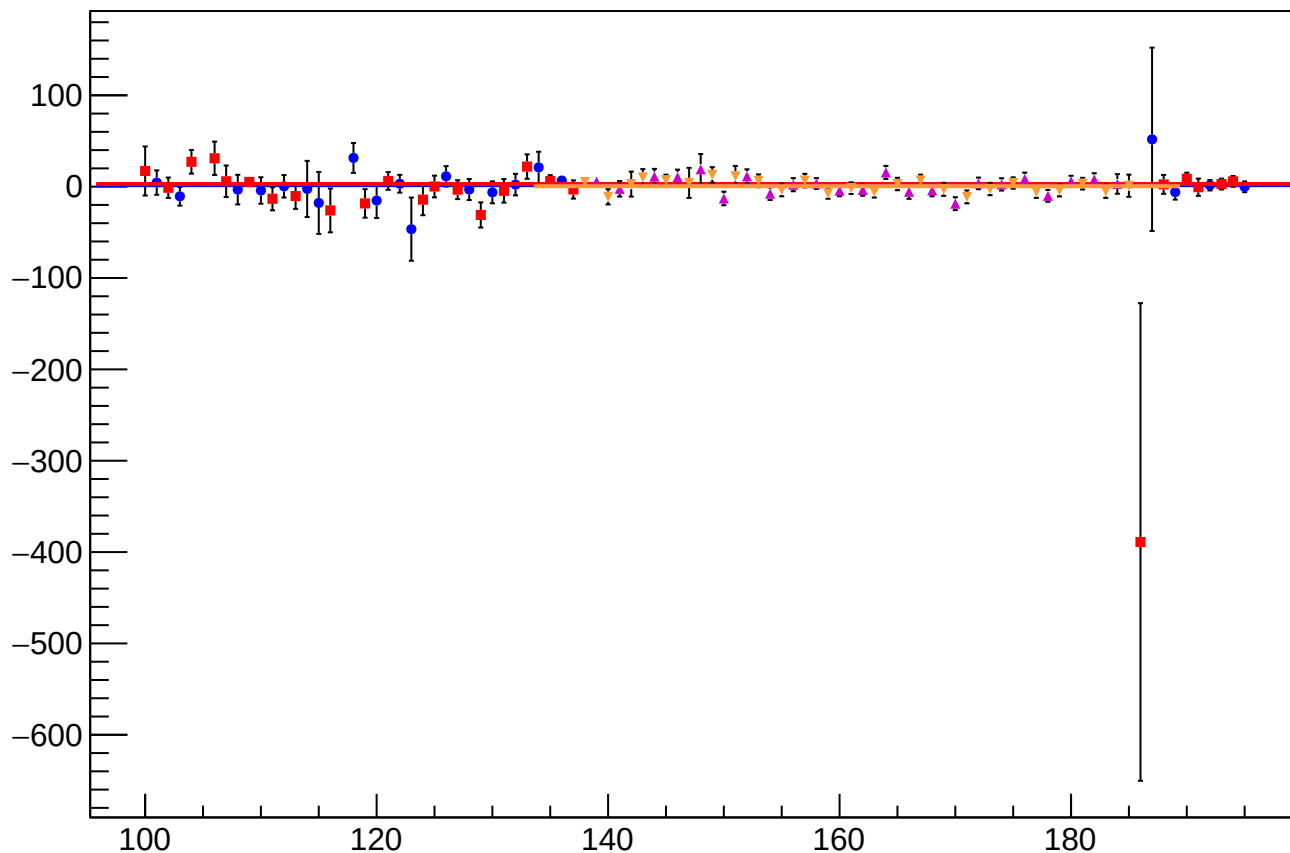
Left In: 8621.975 $\pm$ 1.471 χ^2 /NDF:230824.4/22

+ sign 9394.327 $\pm$ 1.325 χ^2 /NDF: 4415238.4/45

All: 9511.694 $\pm$ 0.949 χ^2 /NDF: 9852037.0/93

- sign 9635.364 $\pm$ 1.360 χ^2 /NDF: 5420691.7/47

diff_bpm1Y_mean vs Slug



Right In: 1.655 $\pm$ 2.204 χ^2 /NDF: 13.2/20

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

Right Out: 2.882 $\pm$ 1.931 χ^2 /NDF: 26.4/24

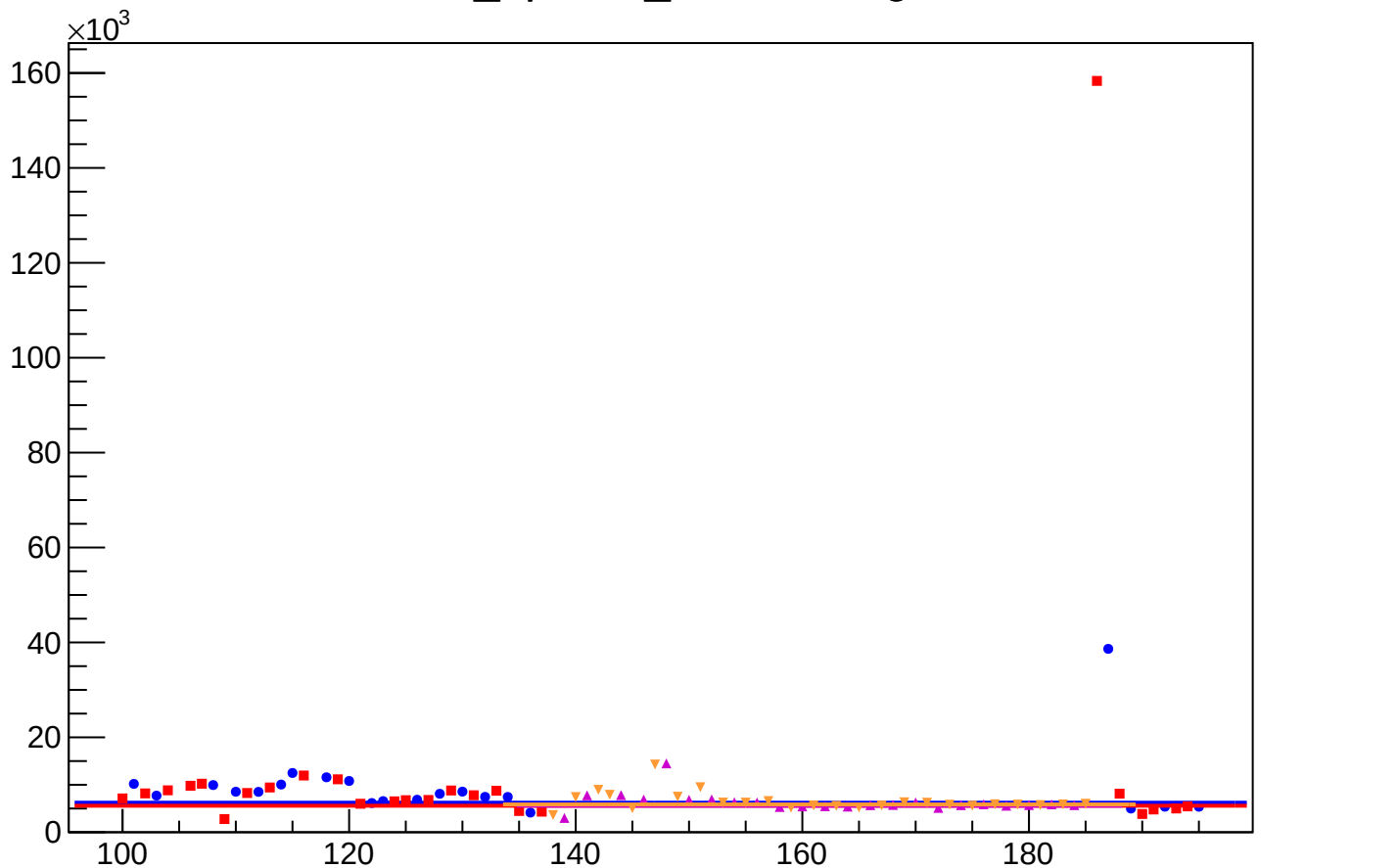
Left In: 1.298 $\pm$ 1.406 χ^2 /NDF:33.0/22

+ sign 0.825 $\pm$ 1.193 χ^2 /NDF: 33.0/45

All: 1.361 $\pm$ 0.823 χ^2 /NDF: 93.2/93

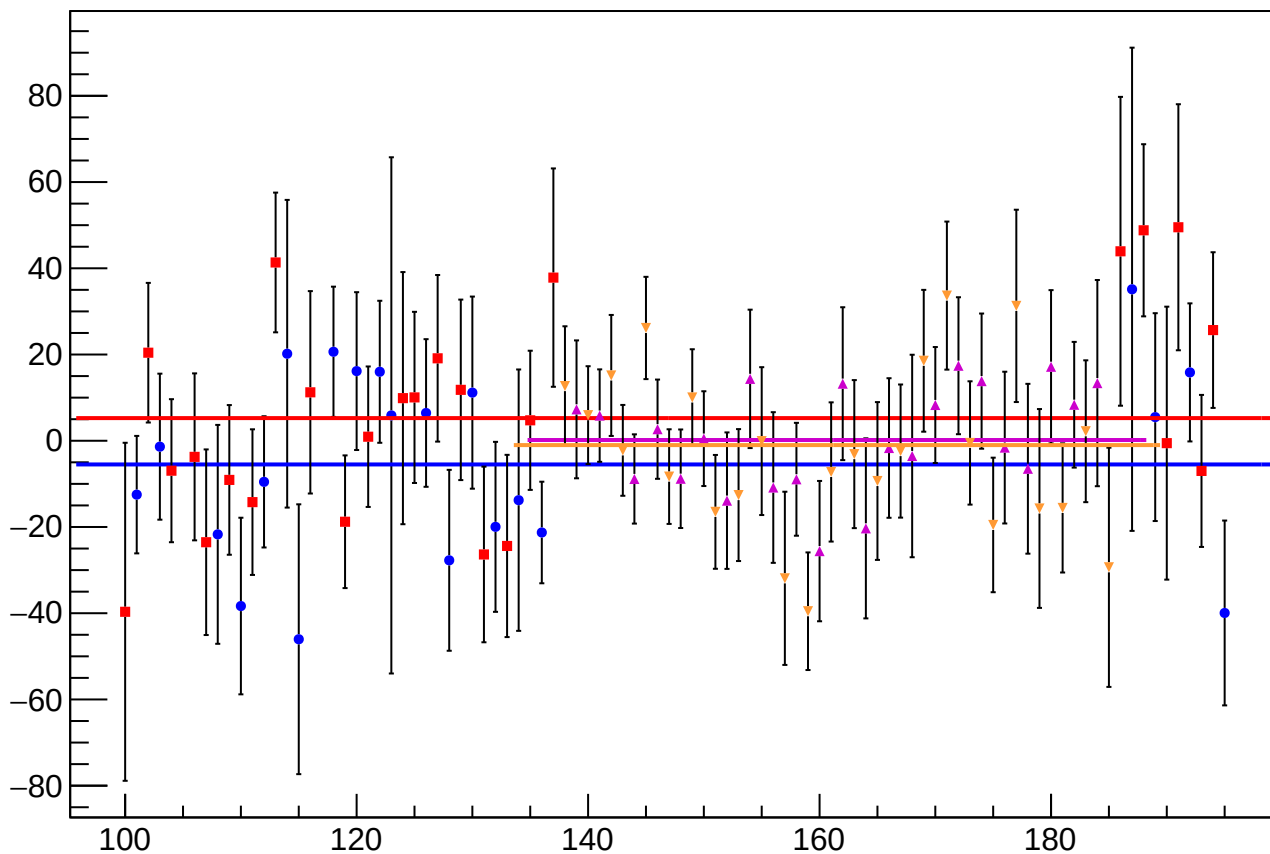
- sign 1.847 $\pm$ 1.137 χ^2 /NDF: 59.8/47

diff_bpm1Y_rms vs Slug



Right In: 6225.748 ± 1.558	$\chi^2/\text{NDF}: 1796790.3/20$	+ sign 5966.249 ± 0.844	$\chi^2/\text{NDF}: 3527358.9/45$
Left Out: 5858.642 ± 1.004	$\chi^2/\text{NDF}: 1691344.1/24$	All: 5770.771 ± 0.582	$\chi^2/\text{NDF}: 8998402.5/93$
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: -5.495 ± 4.190 χ^2/NDF : 21.4/20

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

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

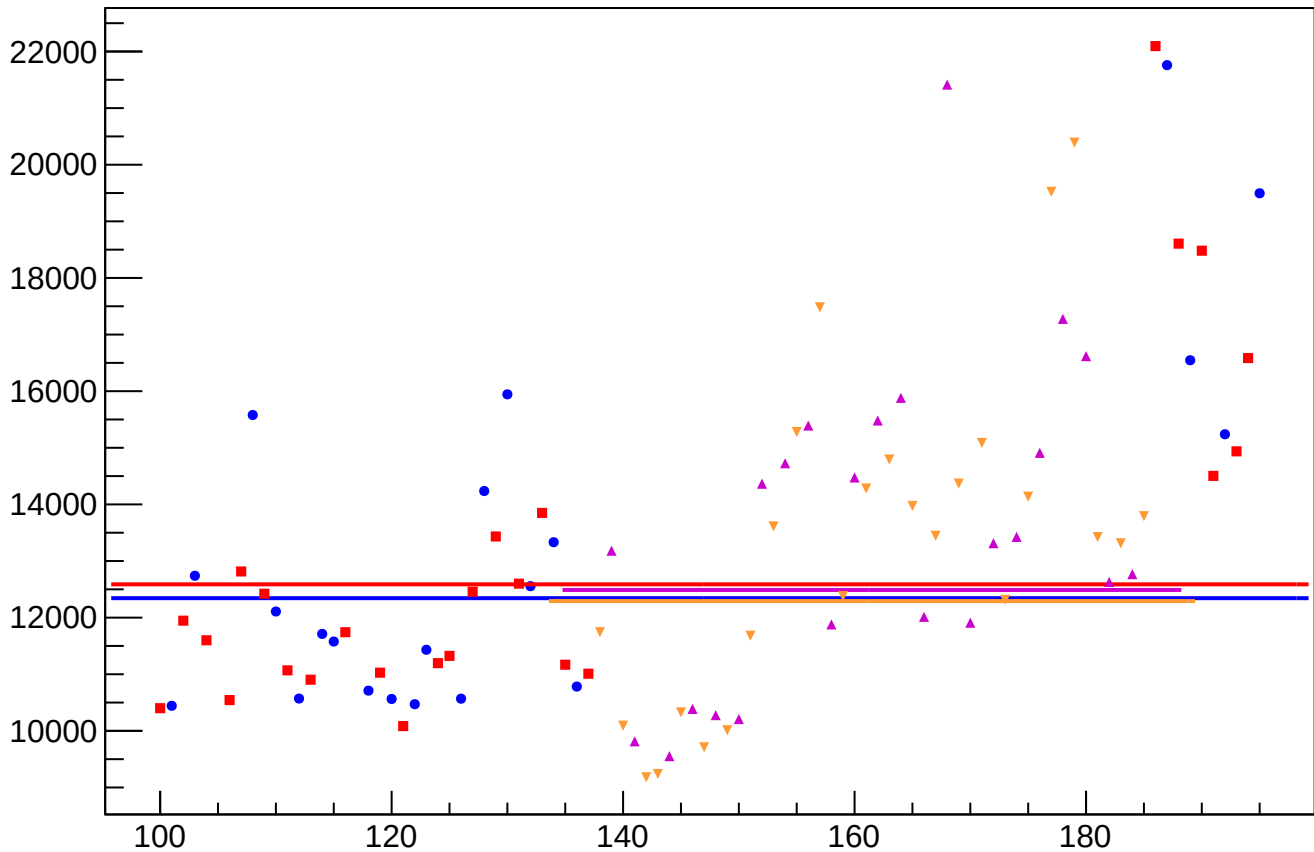
Left In: 0.172 ± 3.067 χ^2/NDF : 12.4/22

+ sign -2.489 ± 2.408 χ^2/NDF : 55.6/45

All: -0.220 ± 1.708 χ^2/NDF : 101.9/93

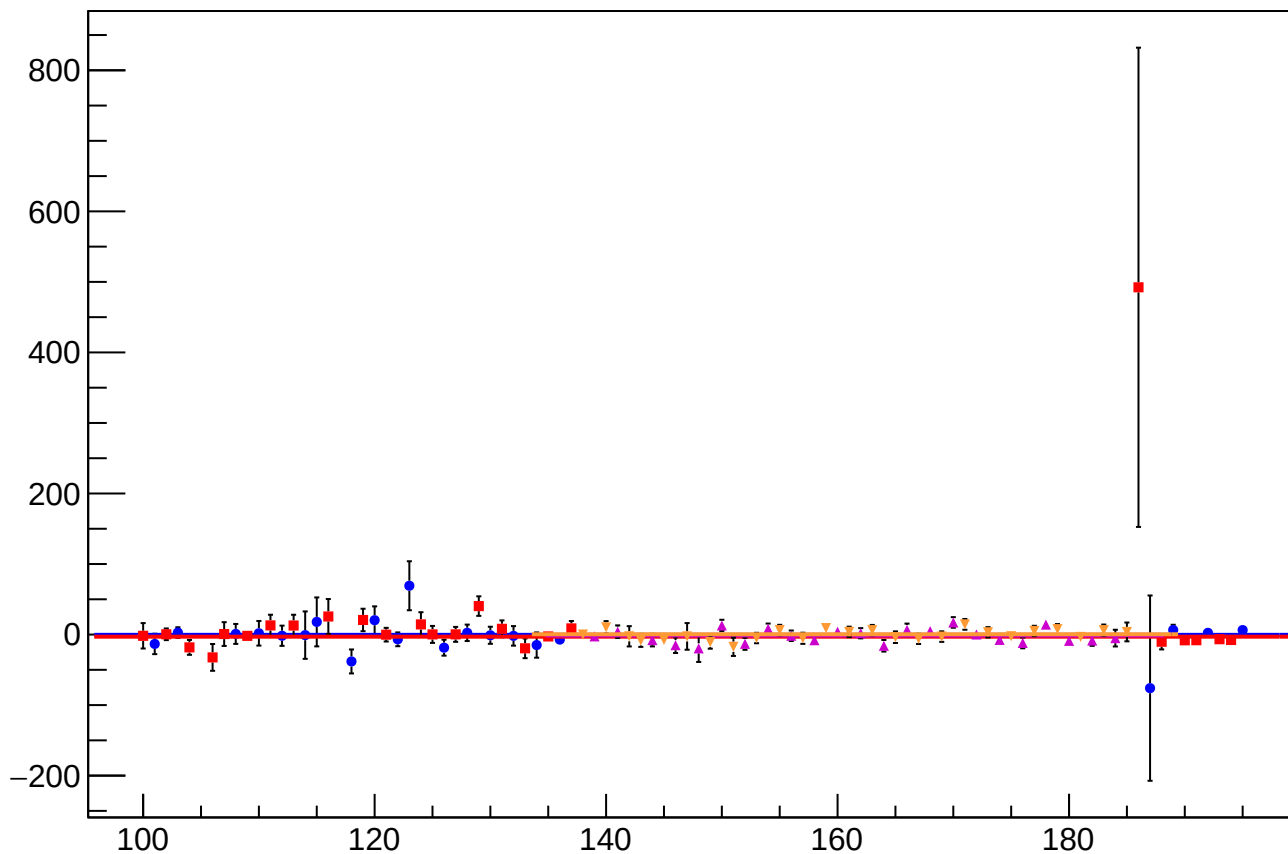
- sign 2.080 ± 2.424 χ^2/NDF : 44.5/47

diff_bpm11X_rms vs Slug



Right In: 12343.613 $\pm$ 2.963	χ^2 /NDF: 703300.2/20	+ sign 12309.430 $\pm$ 1.702	χ^2 /NDF: 2206047.2/45
Left Out: 12292.583 $\pm$ 2.080	χ^2 /NDF: 1502548.3/24	All: 12416.970 $\pm$ 1.208	χ^2 /NDF: 4297672.8/9
Right Out: 12587.844 $\pm$ 2.798	χ^2 /NDF: 728321.5/24	- sign 12525.995 $\pm$ 1.714	χ^2 /NDF: 2083589.5/47
Left In: 12488.821 $\pm$ 2.169	χ^2 /NDF: 1354485.4/22		

diff_bpm11Y_mean vs Slug



Right In: -0.420 ± 2.036 $\chi^2/\text{NDF}: 20.5/20$

Left Out: 0.410 ± 1.435 $\chi^2/\text{NDF}: 19.3/24$

Right Out: -3.002 ± 1.796 $\chi^2/\text{NDF}: 30.3/24$

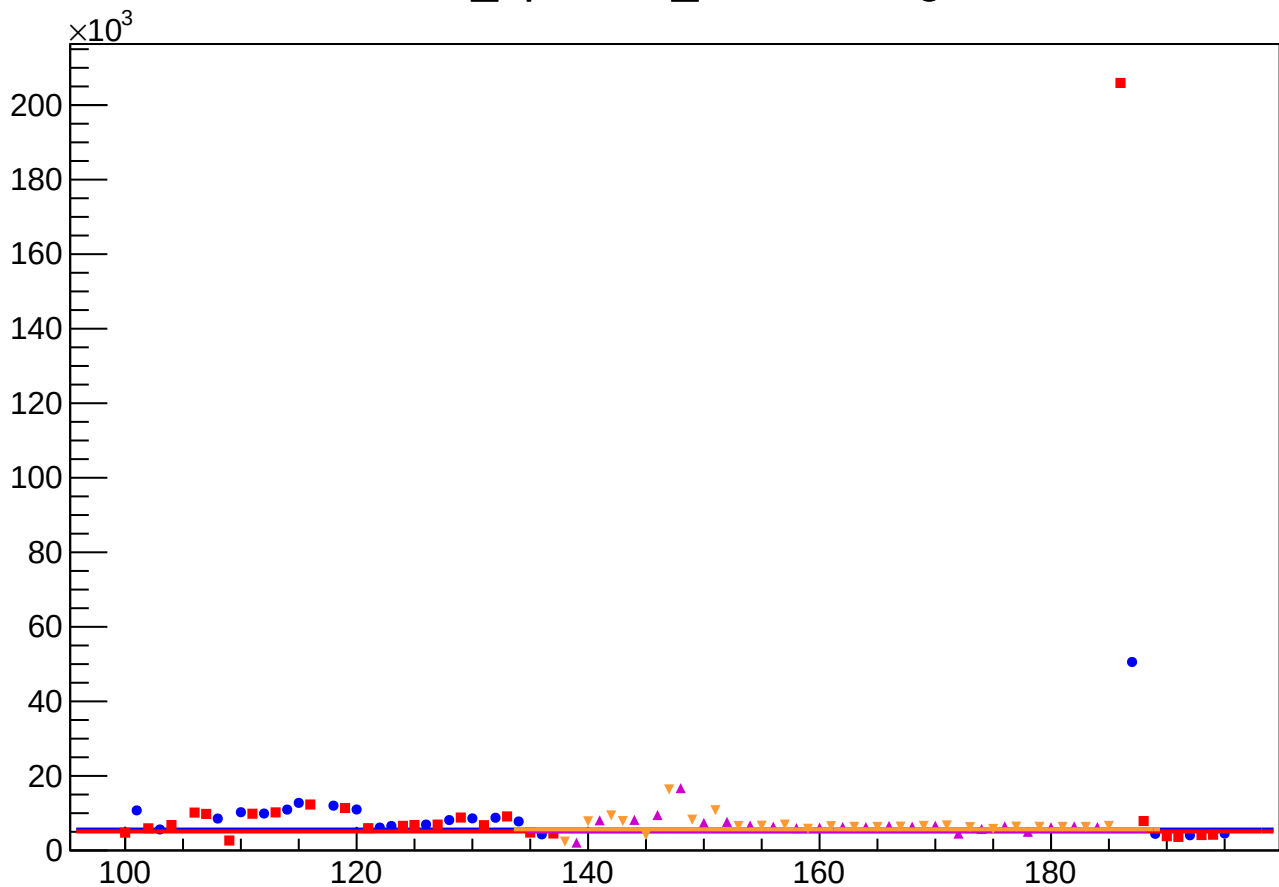
Left In: -1.278 ± 1.386 $\chi^2/\text{NDF}: 34.0/22$

+ sign 0.135 ± 1.173 $\chi^2/\text{NDF}: 39.9/45$

All: -0.962 ± 0.801 $\chi^2/\text{NDF}: 106.4/93$

- sign -1.922 ± 1.097 $\chi^2/\text{NDF}: 64.9/47$

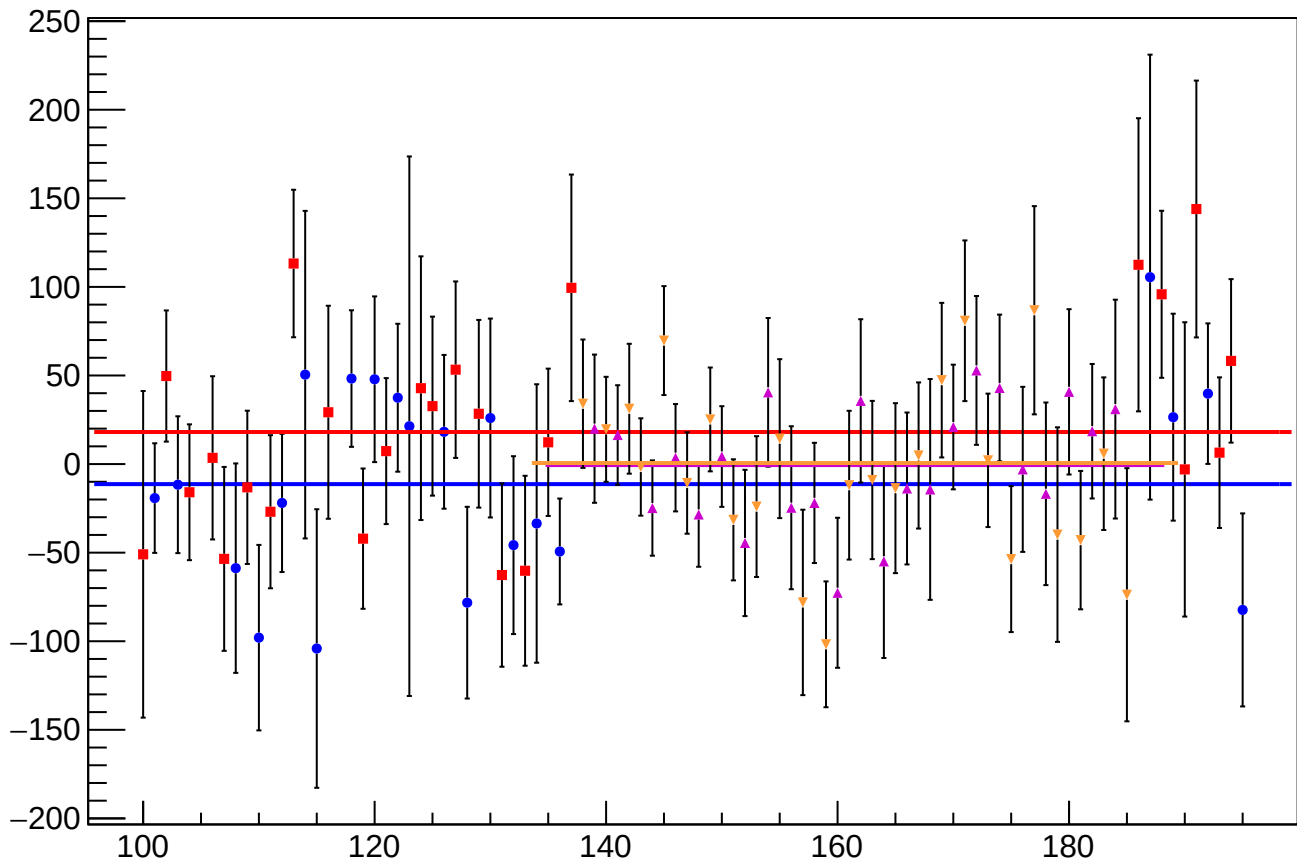
diff_bpm11Y_rms vs Slug



Right In: 5613.395 ± 1.439 χ^2/NDF : 2398914.8/20
 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 5641.621 ± 0.829 χ^2/NDF : 6523614.6/45
 All: 5376.060 ± 0.566 χ^2/NDF : 15516168.1/9
 - sign 5143.633 ± 0.776 χ^2/NDF : 8800211.8/47

diff_bpm12X_mean vs Slug



Right In: -11.321 ± 10.398 χ^2/NDF : 20.0/20

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

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

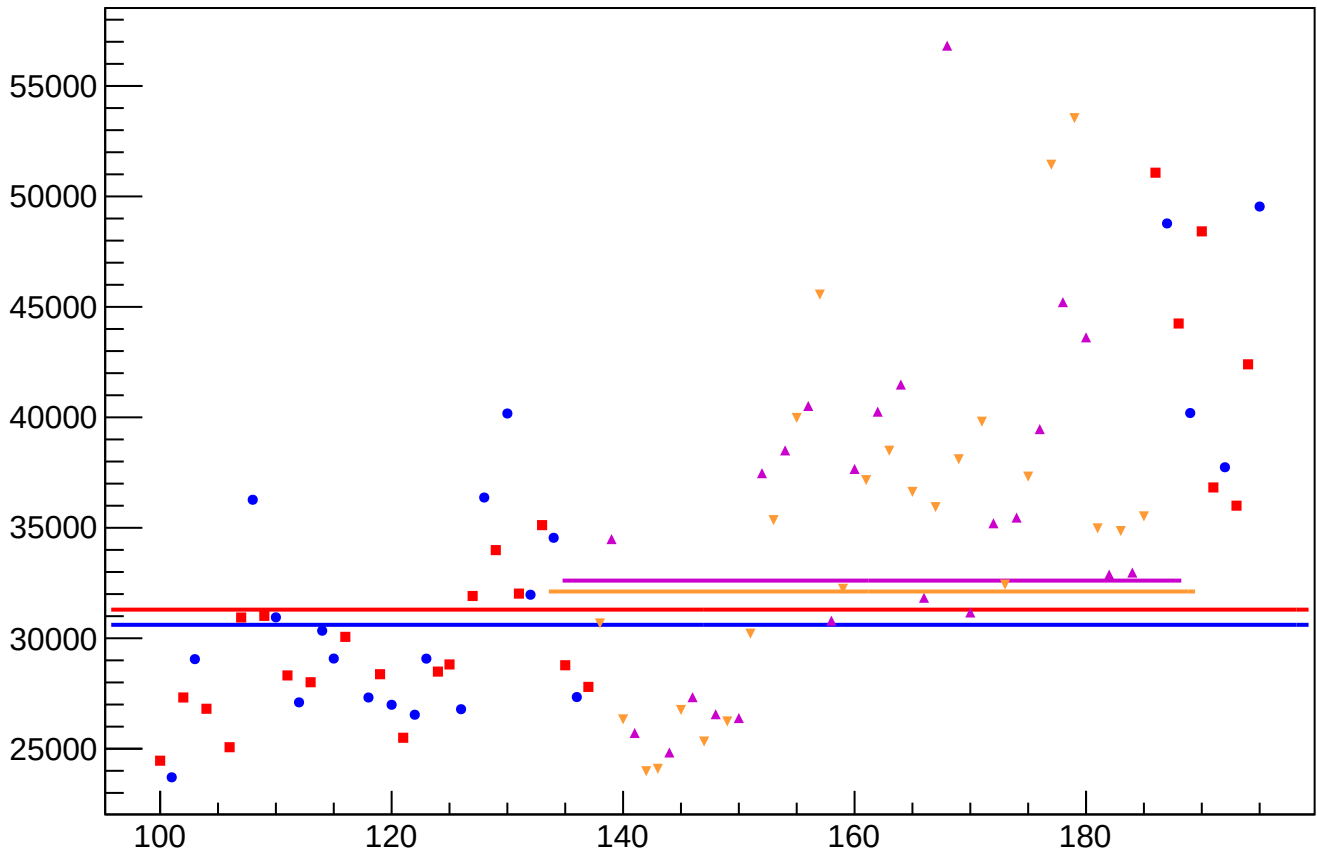
Left In: -0.565 ± 8.015 χ^2/NDF : 14.3/22

+ sign -3.628 ± 6.183 χ^2/NDF : 51.9/45

All: 1.606 ± 4.382 χ^2/NDF : 97.9/93

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

diff_bpm12X_rms vs Slug



Right In: 30608.360 $\pm$ 7.353 χ^2 /NDF: 712718.7/20

Left Out: 32117.184 $\pm$ 5.438 χ^2 /NDF:1536740.0/24

Right Out: 31295.958 $\pm$ 6.950 χ^2 /NDF: 710865.8/24

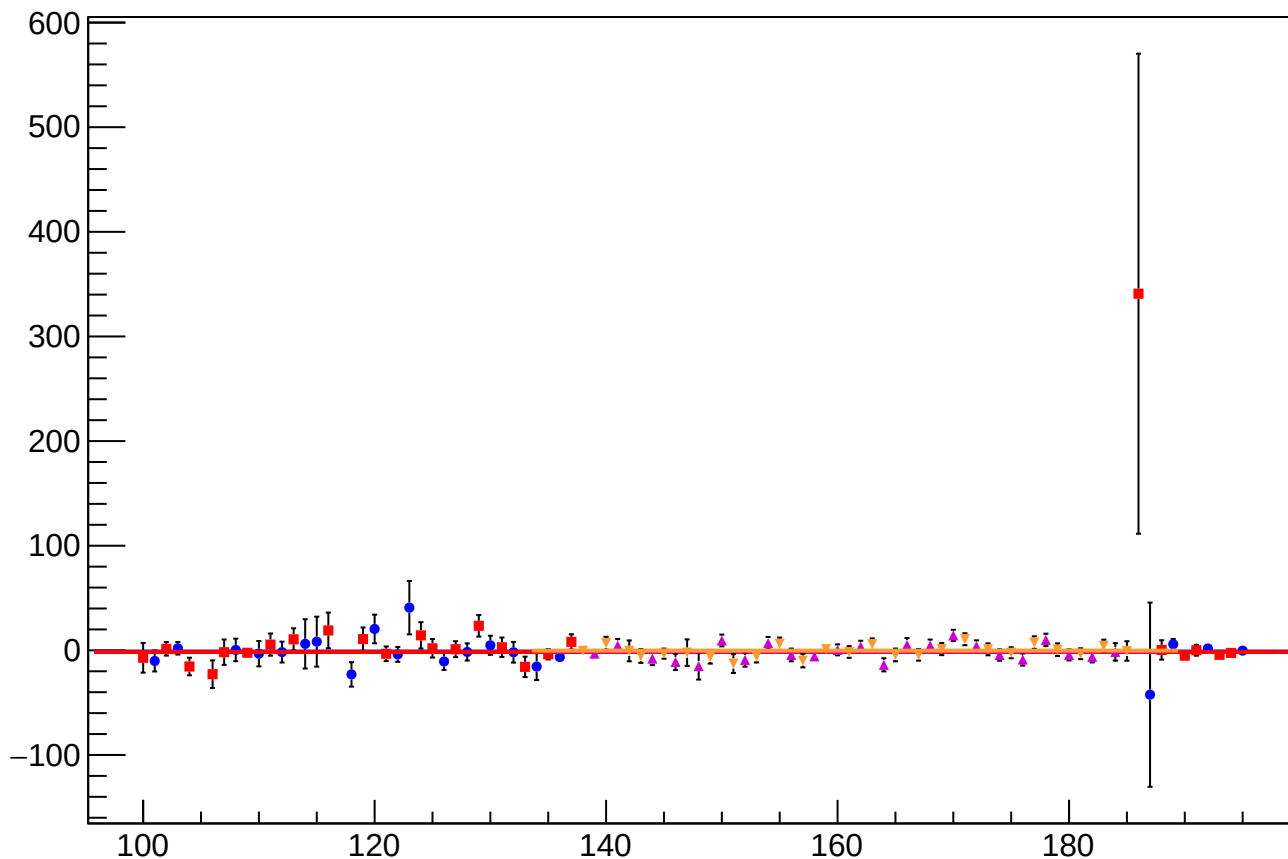
Left In: 32610.108 $\pm$ 5.667 χ^2 /NDF:1398475.8/22

+ sign 31583.664 $\pm$ 4.372 χ^2 /NDF: 2276679.6/45

All: 31833.325 $\pm$ 3.099 χ^2 /NDF: 4414048.5/9

- sign 32085.257 $\pm$ 4.392 χ^2 /NDF: 2130817.8/47

diff_bpm12Y_mean vs Slug



Right In: -1.136 ± 1.430 χ^2/NDF : 18.8/20

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

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

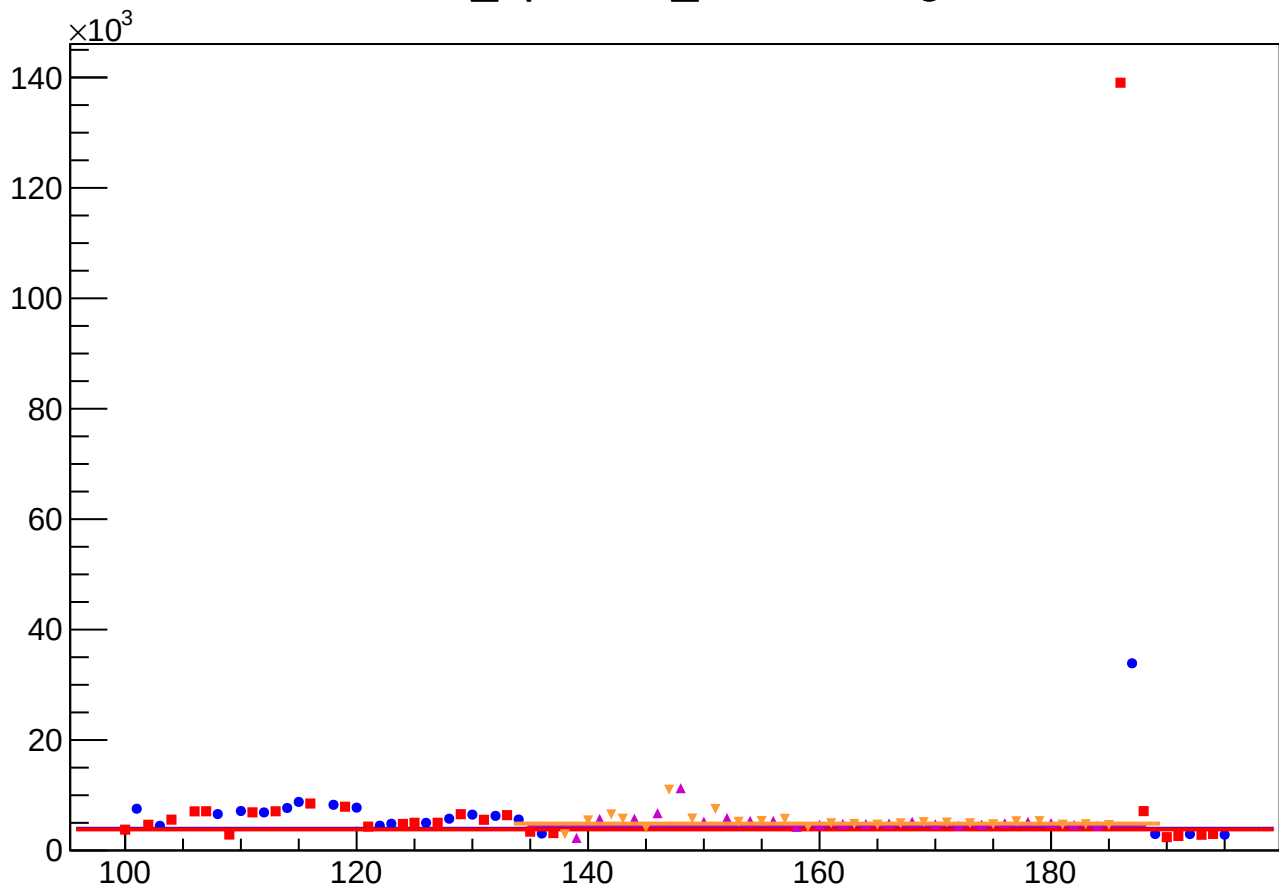
Left In: -0.925 ± 1.154 χ^2/NDF : 36.1/22

+ sign -0.610 ± 0.907 χ^2/NDF : 37.1/45

All: -0.924 ± 0.628 χ^2/NDF : 99.7/93

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

diff_bpm12Y_rms vs Slug



Right In: 3925.377 ± 1.011 $\chi^2/\text{NDF}: 2585911.9/20$

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

Right Out: 3810.535 ± 0.937 $\chi^2/\text{NDF}: 3329988.4/24$

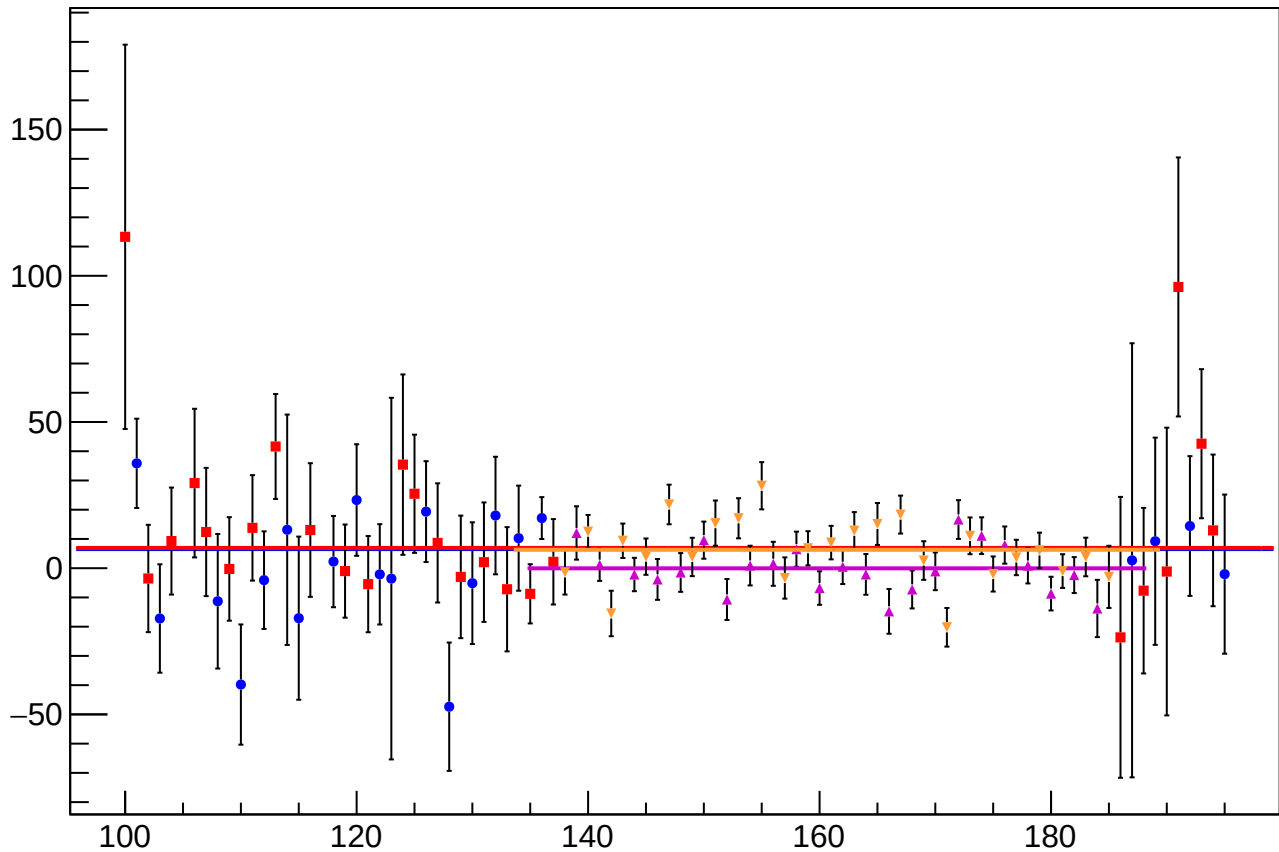
Left In: 4582.193 ± 0.816 $\chi^2/\text{NDF}: 2478681.0/22$

+ sign 4488.028 ± 0.641 $\chi^2/\text{NDF}: 4615305.3/45$

All: 4363.782 ± 0.444 $\chi^2/\text{NDF}: 10881931.2/9$

- sign 4249.413 ± 0.615 $\chi^2/\text{NDF}: 6194526.9/47$

diff_bpm16X_mean vs Slug



Right In: 6.542 $\pm$ 3.941 χ^2 /NDF: 23.0/20

Left Out: 6.302 $\pm$ 1.313 χ^2 /NDF:56.7/24

Right Out: 6.930 $\pm$ 4.029 χ^2 /NDF: 20.4/24

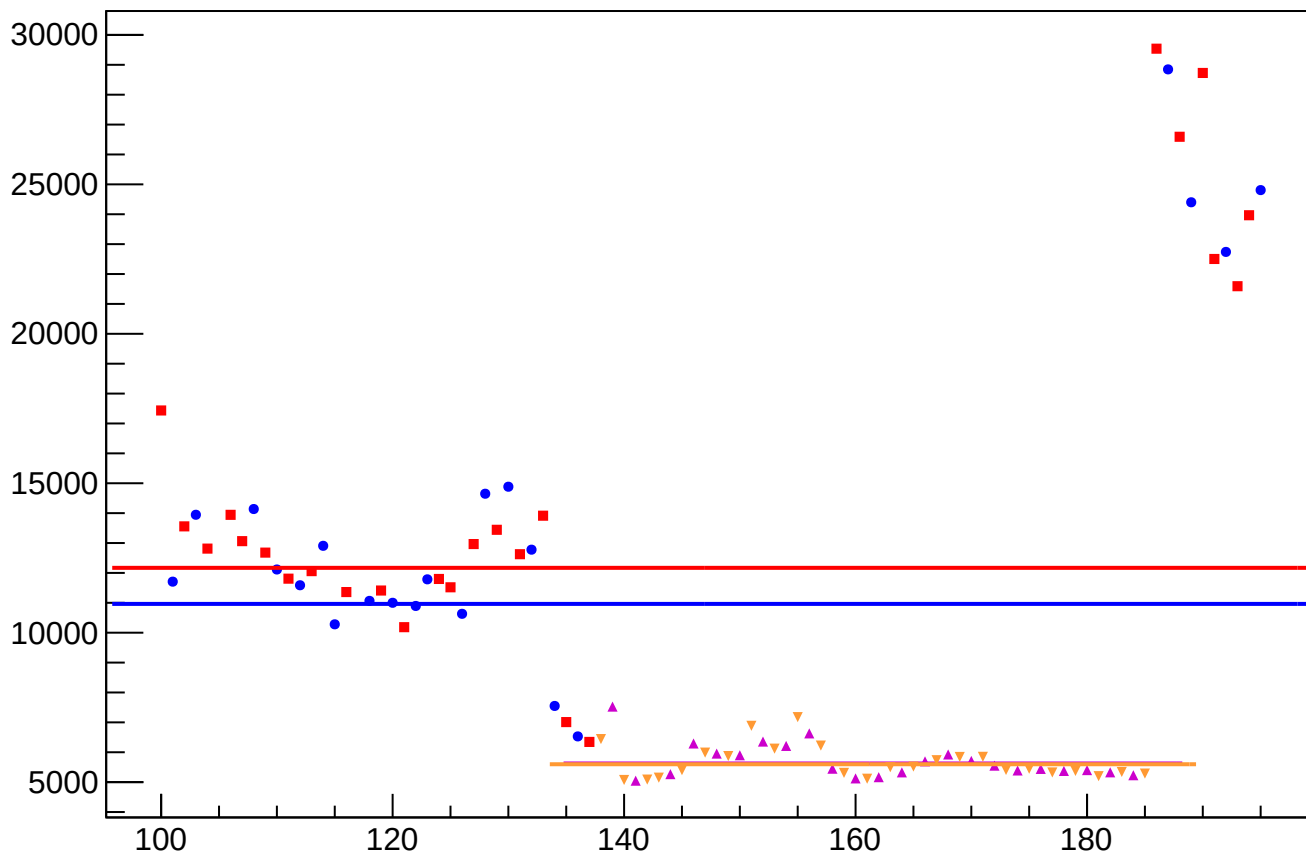
Left In: -0.044 $\pm$ 1.358 χ^2 /NDF:30.0/22

+ sign 6.326 $\pm$ 1.245 χ^2 /NDF: 79.7/45

All: 3.589 $\pm$ 0.895 χ^2 /NDF: 142.8/93

- sign 0.667 $\pm$ 1.287 χ^2 /NDF: 53.1/47

diff_bpm16X_rms vs Slug



Right In: 10963.278 ± 2.787 $\chi^2/\text{NDF}: 2500719.8/20$

Left Out: 5598.786 ± 0.928 $\chi^2/\text{NDF}: 283253.4/24$

Right Out: 12169.868 ± 2.849 $\chi^2/\text{NDF}: 2746362.6/24$

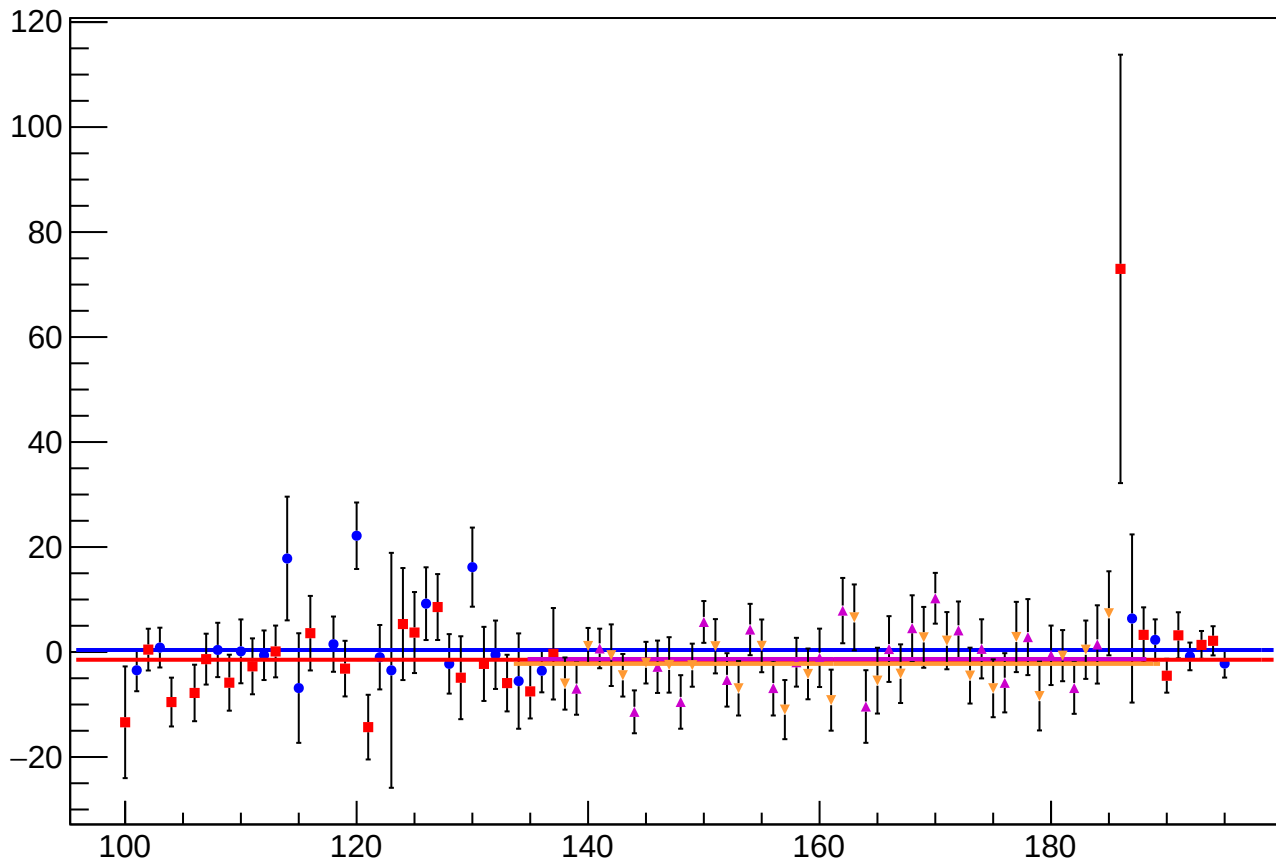
Left In: 5625.163 ± 0.960 $\chi^2/\text{NDF}: 272563.5/22$

+ sign 6134.405 ± 0.881 $\chi^2/\text{NDF}: 6119621.3/45$

All: 6210.896 ± 0.633 $\chi^2/\text{NDF}: 13892971.2/9$

- sign 6292.551 ± 0.910 $\chi^2/\text{NDF}: 7757748.9/47$

diff_bpm16Y_mean vs Slug



Right In: 0.385 ± 1.075 χ^2/NDF : 24.7/20

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

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

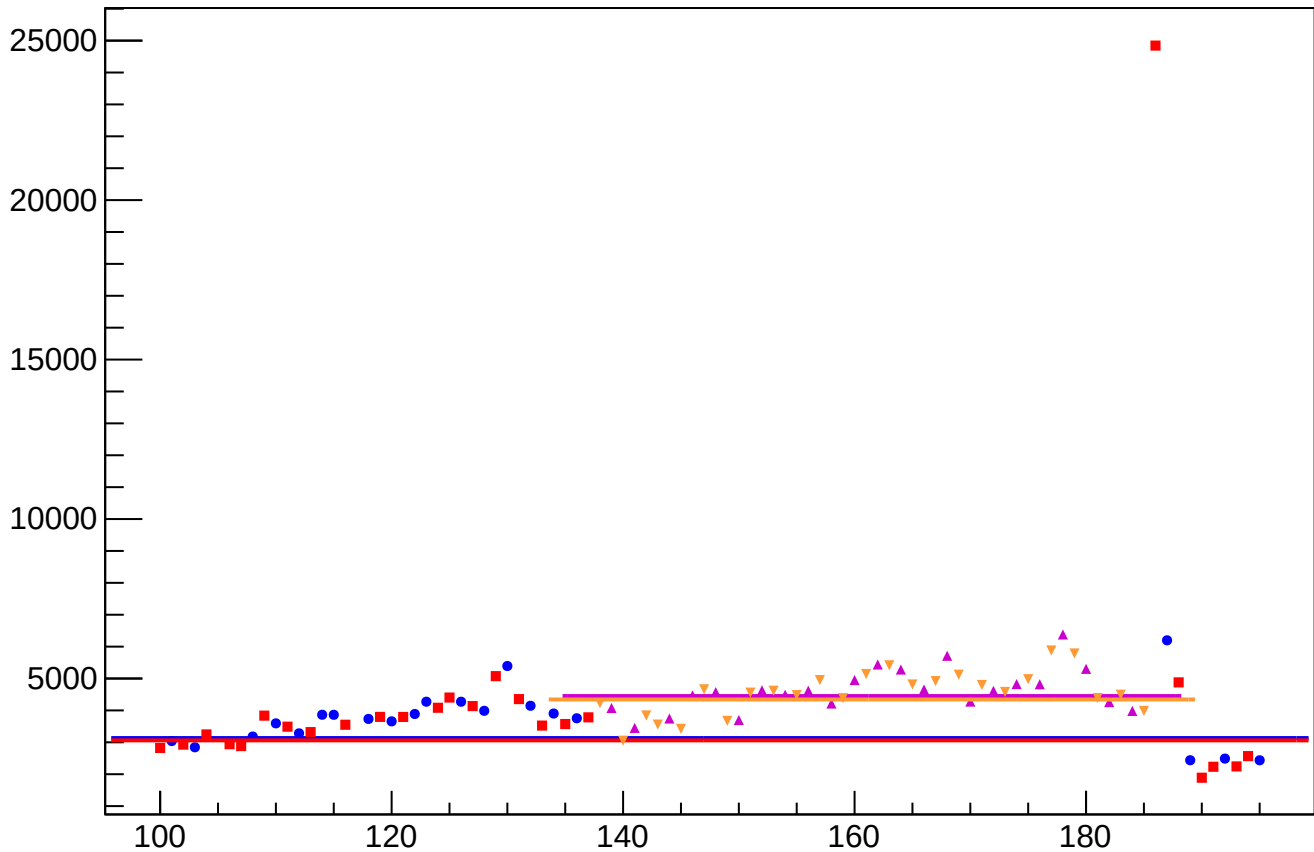
Left In: -1.328 ± 1.082 χ^2/NDF : 30.6/22

+ sign -0.994 ± 0.744 χ^2/NDF : 43.4/45

All: -1.204 ± 0.521 χ^2/NDF : 100.5/93

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

diff_bpm16Y_rms vs Slug



Right In: 3132.796 $\pm$ 0.760 χ^2 /NDF: 898581.2/20

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

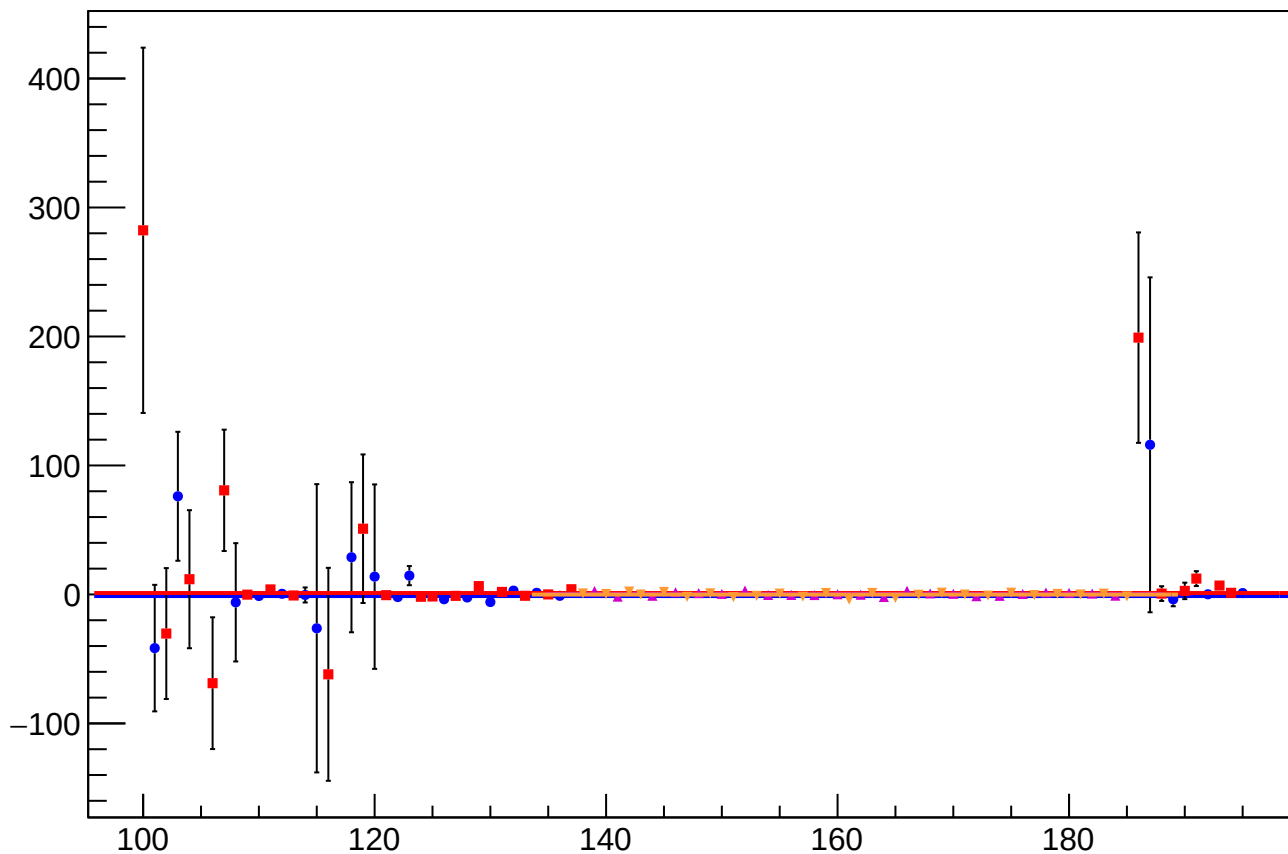
Left In: 4450.007 $\pm$ 0.765 χ^2 /NDF: 693229.8/22

+ sign 3763.315 $\pm$ 0.526 χ^2 /NDF: 3212549.8/45

All: 3728.669 $\pm$ 0.369 χ^2 /NDF: 7632854.5/93

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

diff_bpm1p02bX_mean vs Slug



Right In: -1.250 ± 0.708 χ^2/NDF : 18.5/20

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

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

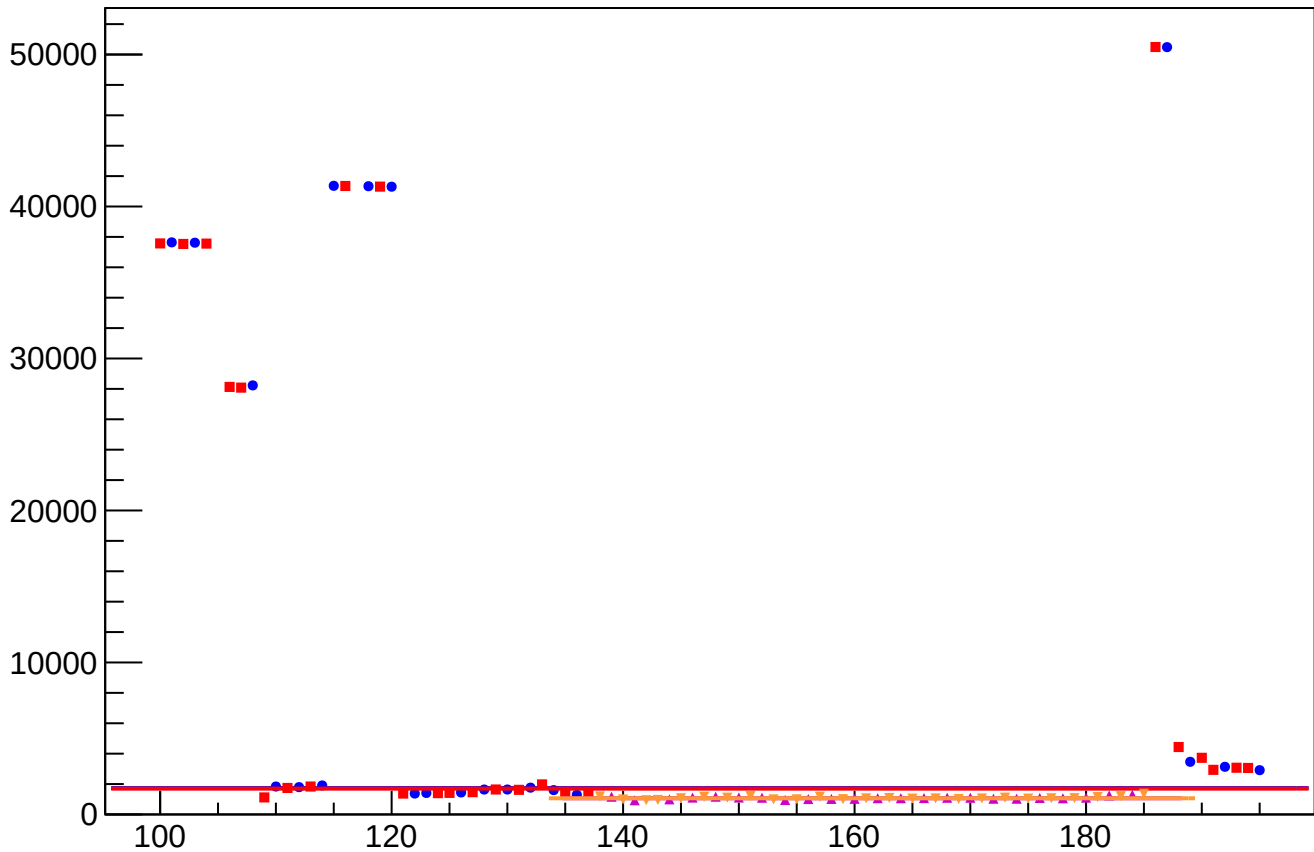
Left In: 0.259 ± 0.257 χ^2/NDF : 27.2/22

+ sign -0.219 ± 0.235 χ^2/NDF : 55.3/45

All: 0.067 ± 0.168 χ^2/NDF : 121.0/93

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

diff_bpm1p02bX_rms vs Slug



Right In: 1732.630 $\pm$ 0.500 χ^2 /NDF: 5977913.9/20

Left Out: 1064.701 $\pm$ 0.176 χ^2 /NDF: 186511.5/24

Right Out: 1702.573 $\pm$ 0.475 χ^2 /NDF: 7148528.8/24

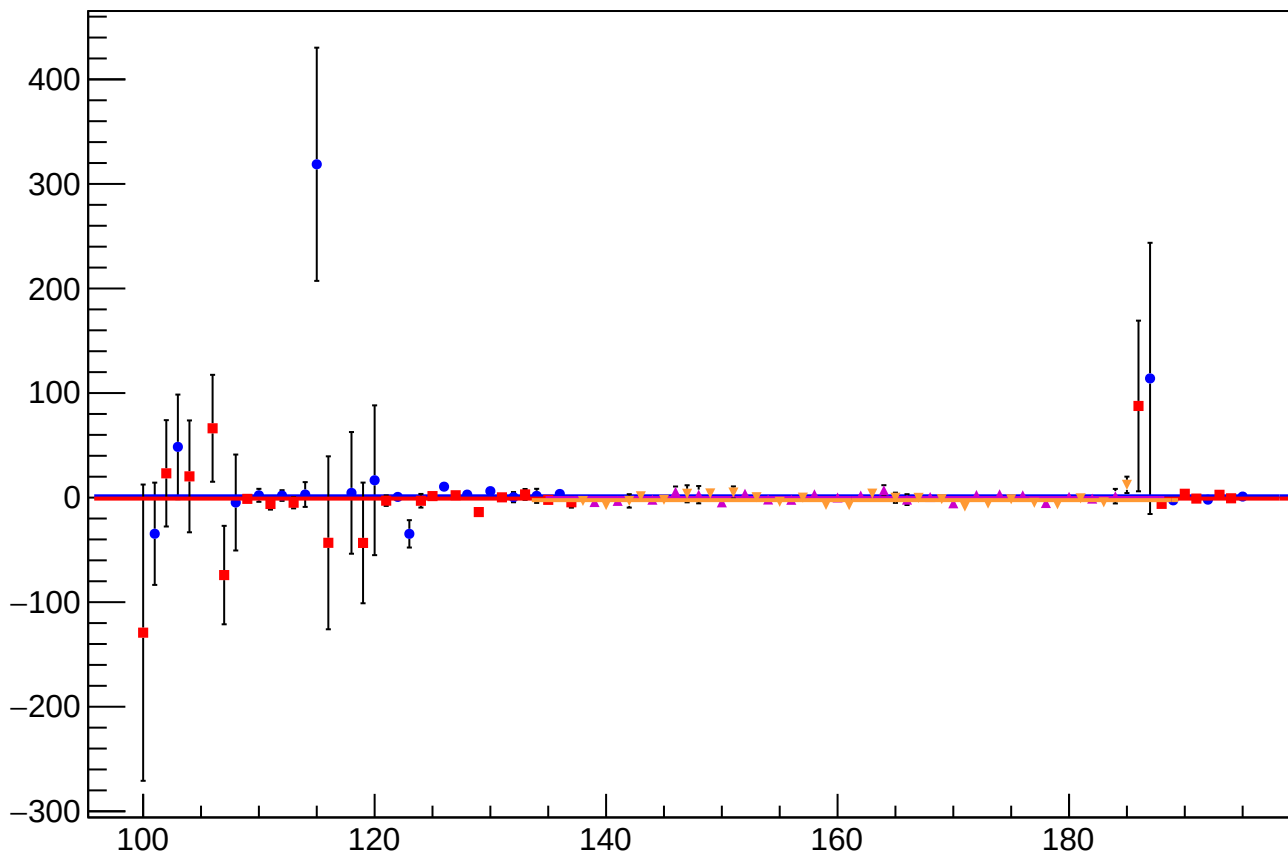
Left In: 1066.255 $\pm$ 0.182 χ^2 /NDF: 164232.1/22

+ sign 1138.338 $\pm$ 0.166 χ^2 /NDF: 7750432.7/45

All: 1142.860 $\pm$ 0.119 χ^2 /NDF: 16632104.5/9

- sign 1147.579 $\pm$ 0.170 χ^2 /NDF: 8880157.4/47

diff_bpm1p02bY_mean vs Slug



Right In: 1.247 ± 0.957 χ^2/NDF : 29.0/20

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

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

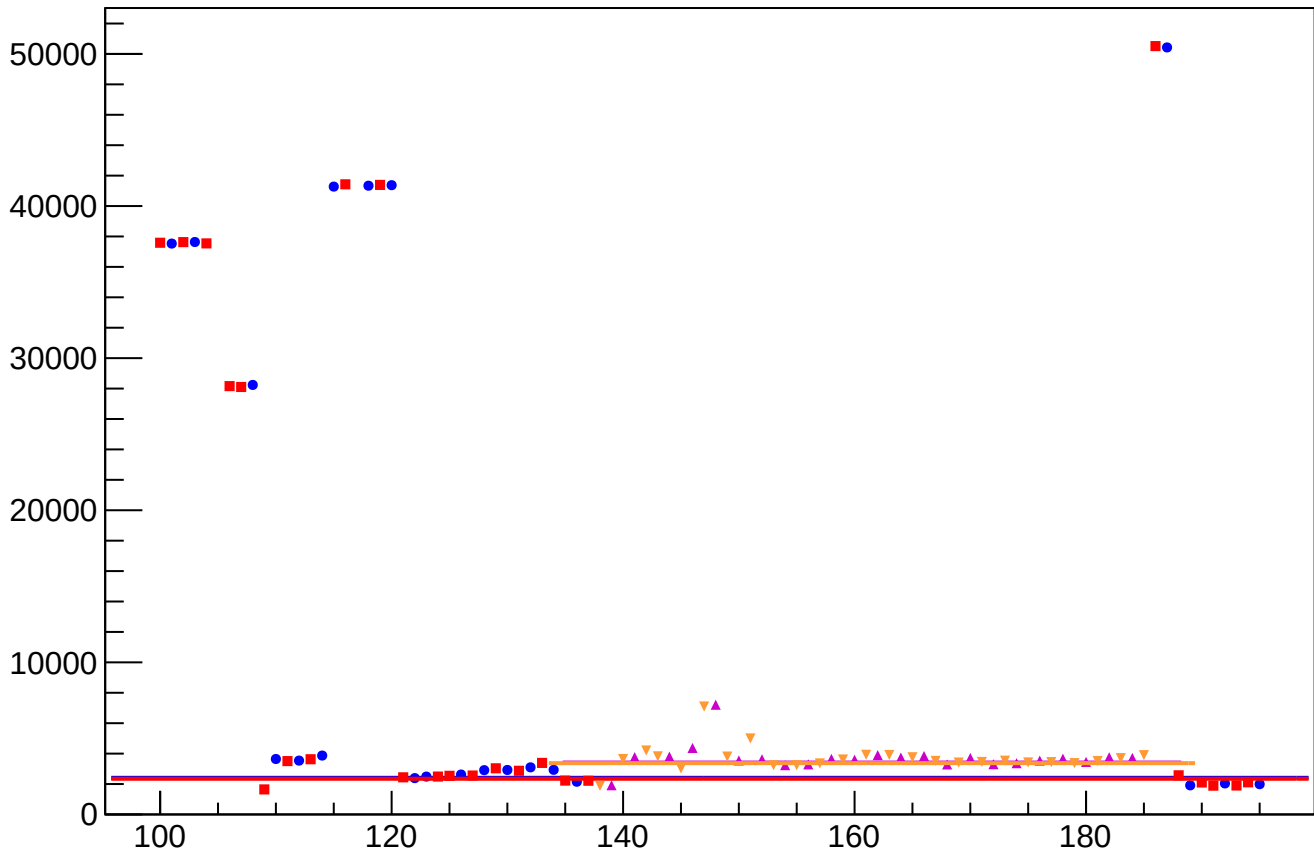
Left In: -0.468 ± 0.843 χ^2/NDF : 15.5/22

+ sign -0.890 ± 0.619 χ^2/NDF : 58.8/45

All: -0.790 ± 0.435 χ^2/NDF : 99.2/93

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

diff_bpm1p02bY_rms vs Slug



Right In: 2409.630 $\pm$ 0.677 χ^2 /NDF: 5192718.7/20

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

Right Out: 2347.125 $\pm$ 0.629 χ^2 /NDF: 5770203.6/24

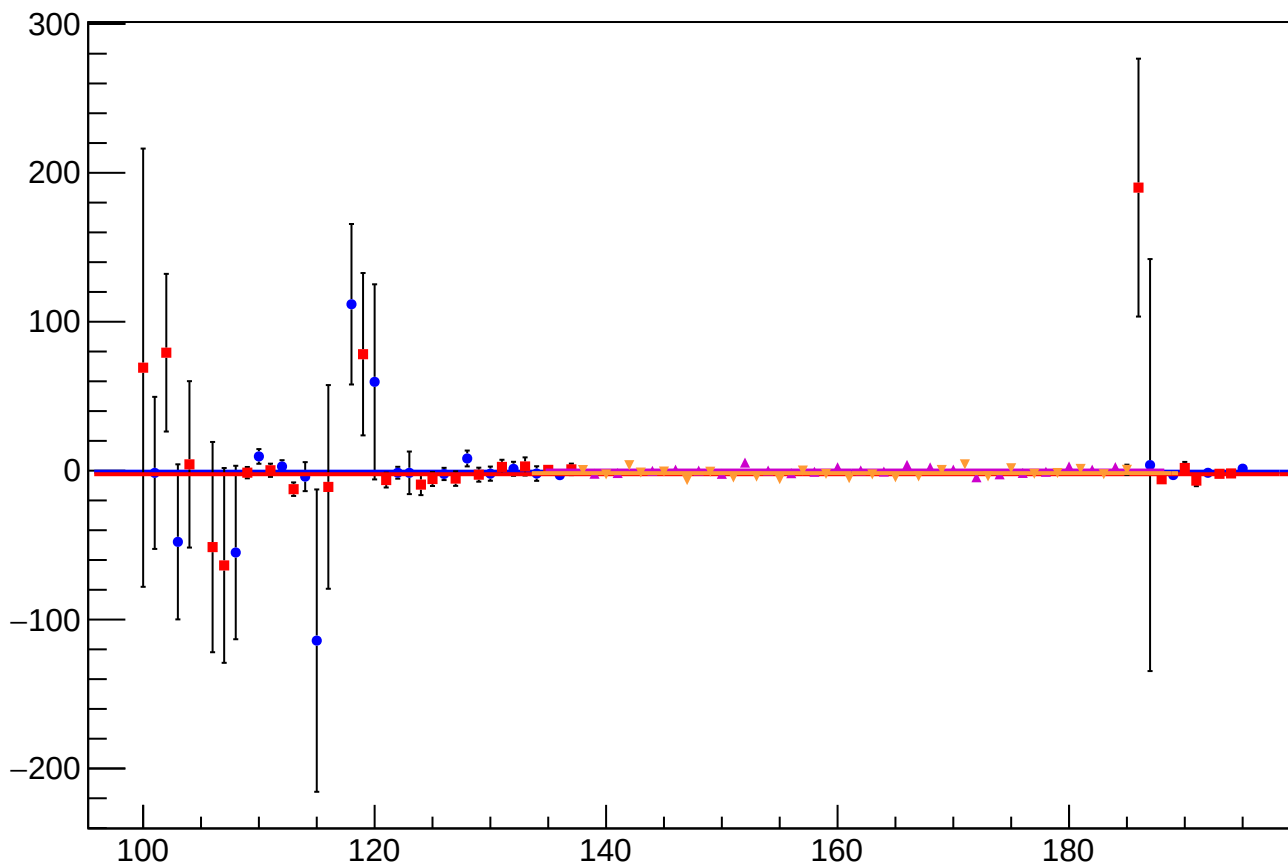
Left In: 3411.924 $\pm$ 0.596 χ^2 /NDF:1434523.7/22

+ sign 2970.709 $\pm$ 0.437 χ^2 /NDF: 8029216.6/45

All: 2939.199 $\pm$ 0.308 χ^2 /NDF: 16753751.7/9

- sign 2908.364 $\pm$ 0.433 χ^2 /NDF: 8714267.2/47

diff_bpm1p03aX_mean vs Slug



Right In: -0.689 ± 0.925 χ^2/NDF : 19.3/20

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

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

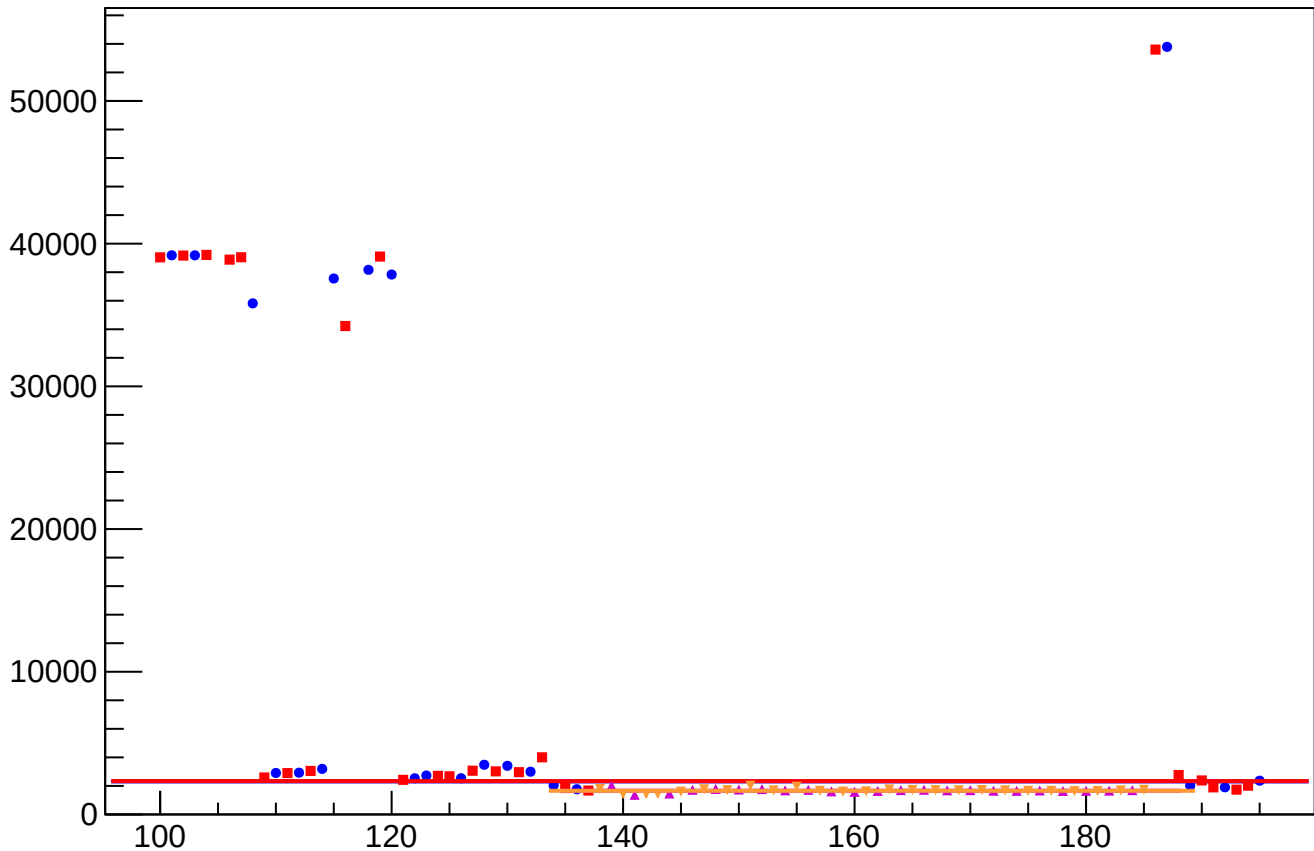
Left In: 0.072 ± 0.401 χ^2/NDF : 28.2/22

+ sign -1.525 ± 0.358 χ^2/NDF : 65.9/45

All: -0.952 ± 0.255 χ^2/NDF : 131.9/93

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

diff_bpm1p03aX_rms vs Slug



Right In: 2315.059+/-0.654 χ^2/NDF : 5311282.9/20

Left Out: 1657.770+/-0.274 χ^2/NDF : 223465.3/24

Right Out: 2335.735+/-0.619 χ^2/NDF : 5948187.1/24

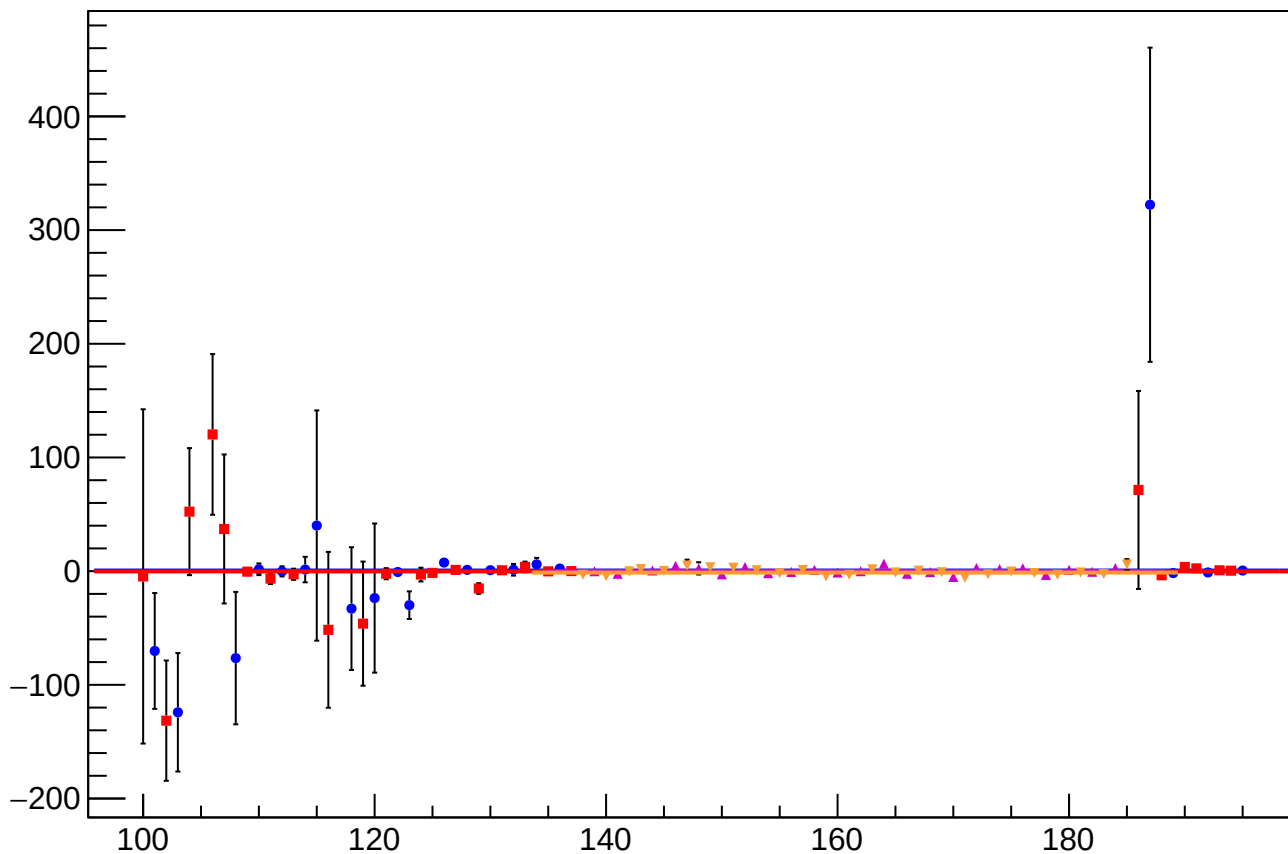
Left In: 1663.620+/-0.284 χ^2/NDF : 178858.2/22

+ sign 1756.068+/-0.253 χ^2/NDF : 6392769.9/45

All: 1767.938+/-0.181 χ^2/NDF : 13499098.6/9

- sign 1780.258+/-0.258 χ^2/NDF : 7101844.8/47

diff_bpm1p03aY_mean vs Slug



Right In: 0.542 ± 0.797 χ^2/NDF : 28.8/20

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

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

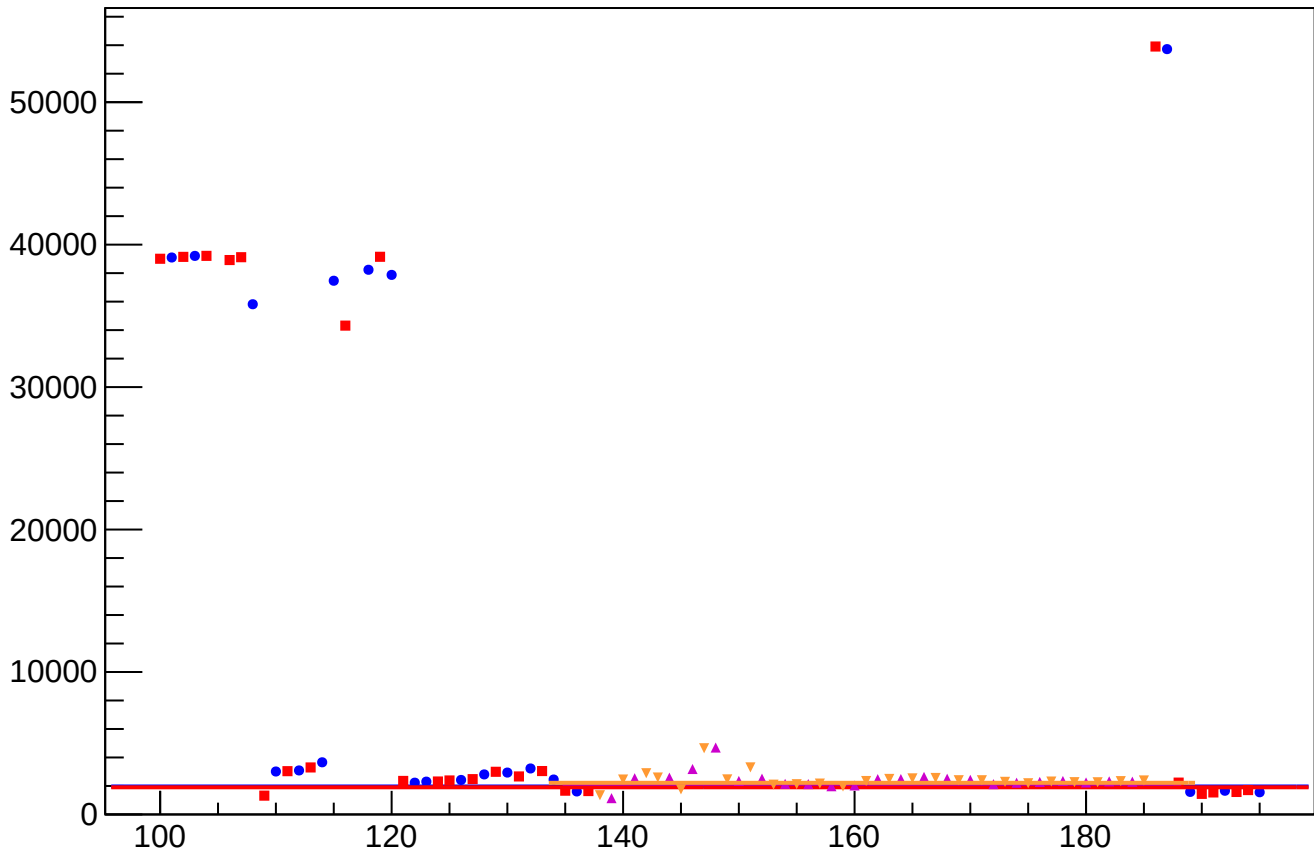
Left In: 0.098 ± 0.541 χ^2/NDF : 19.3/22

+ sign -0.694 ± 0.444 χ^2/NDF : 54.0/45

All: -0.346 ± 0.311 χ^2/NDF : 105.4/93

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

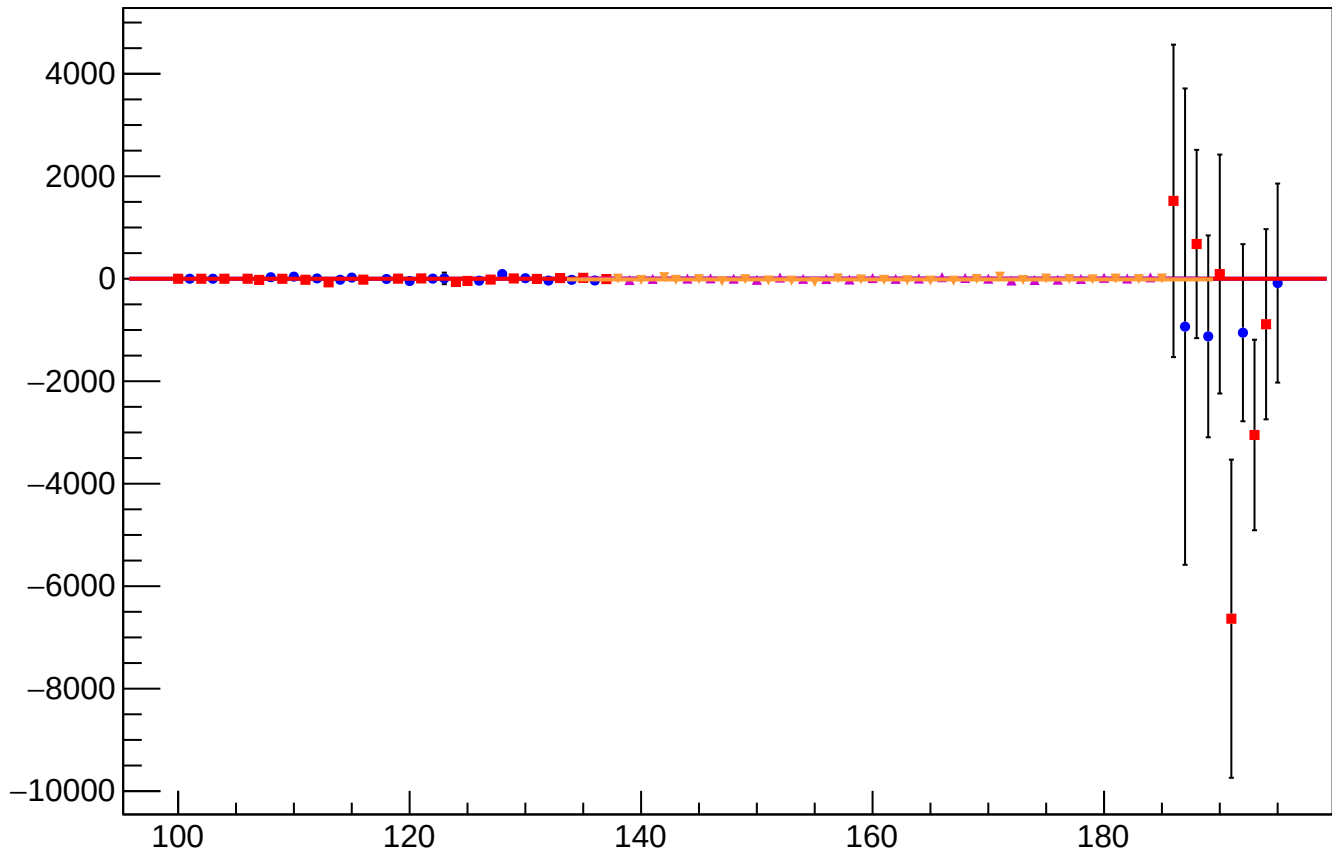
diff_bpm1p03aY_rms vs Slug



Right In: 1963.309 $\pm$ 0.564 χ^2 /NDF: 5716232.6/20
 Left Out: 2222.081 $\pm$ 0.378 χ^2 /NDF: 1422440.9/24
 Right Out: 1906.652 $\pm$ 0.522 χ^2 /NDF: 6333518.7/24
 Left In: 2169.443 $\pm$ 0.383 χ^2 /NDF: 1974869.8/22

+ sign 2141.745 $\pm$ 0.314 χ^2 /NDF: 7283912.5/45
 All: 2109.058 $\pm$ 0.220 χ^2 /NDF: 15778507.8/9
 - sign 2077.520 $\pm$ 0.309 χ^2 /NDF: 8473325.0/47

diff_cav4bX_mean vs Slug



Right In: 0.013 $\pm$ 0.017 χ^2 /NDF: 17.3/20

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

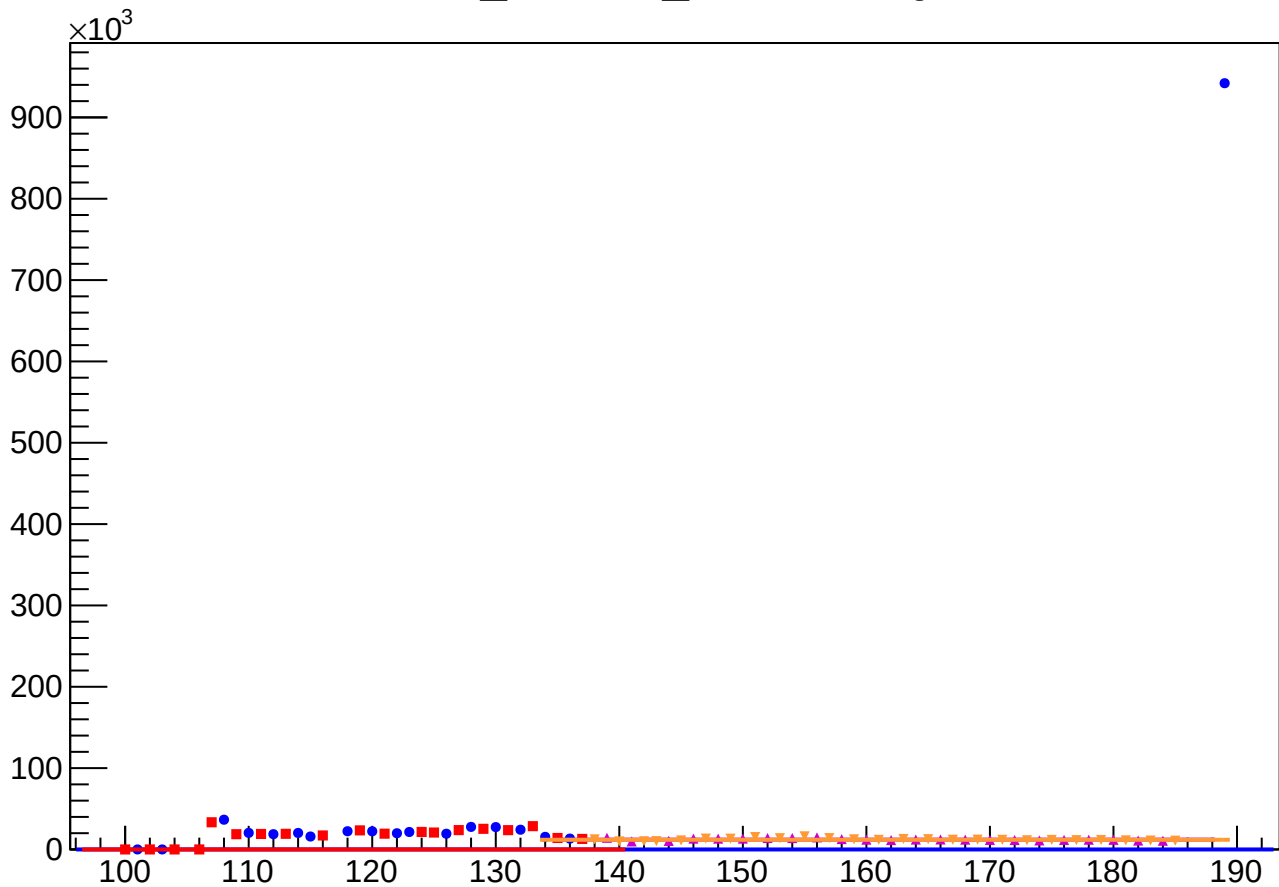
Left In: -0.459 $\pm$ 2.917 χ^2 /NDF: 29.0/22

+ sign 0.013 $\pm$ 0.017 χ^2 /NDF: 99.2/45

All: 0.008 $\pm$ 0.012 χ^2 /NDF: 151.8/93

- 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

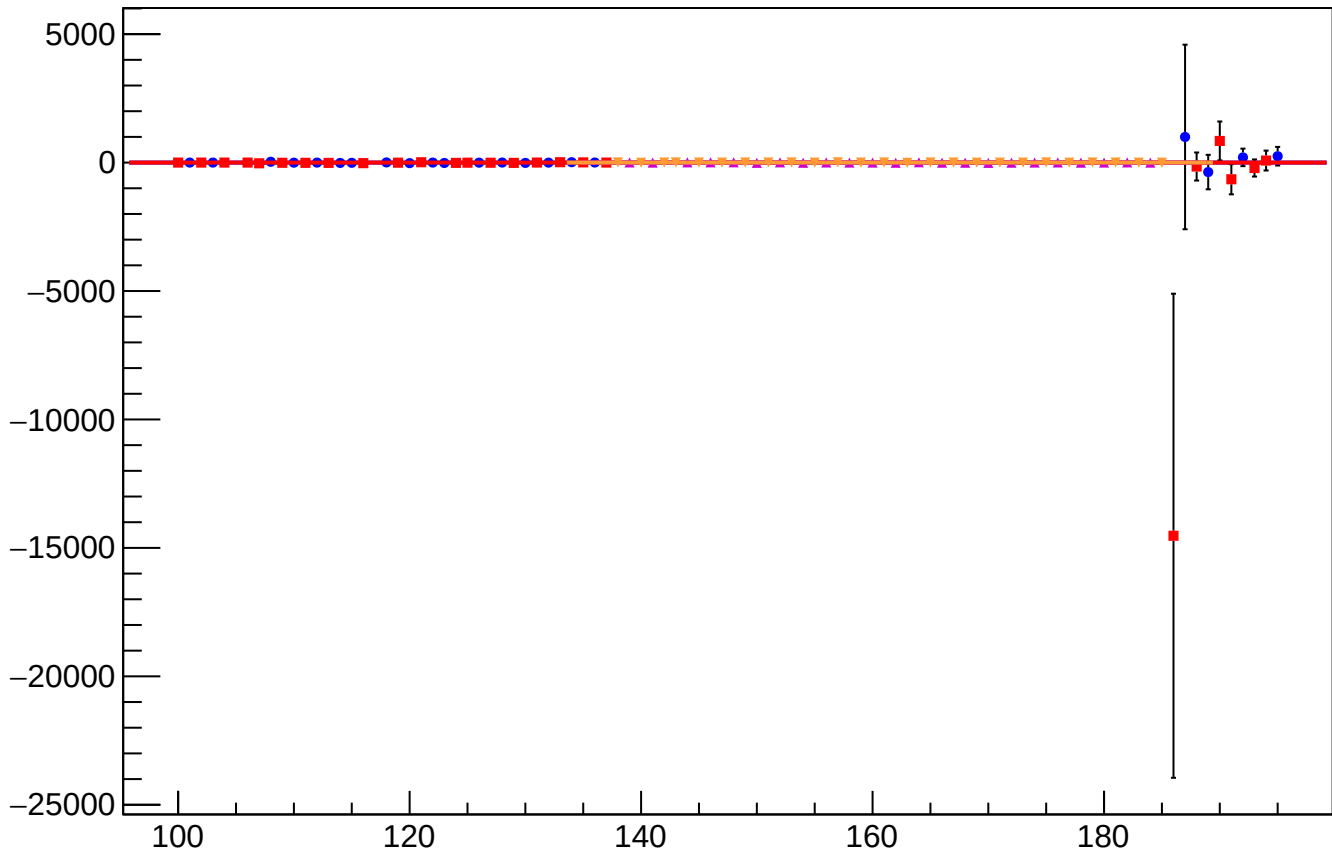
Left In: 12064.761 $\pm$ 2.062 χ^2 /NDF: 368452.5/22

+ 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: 14.1/20

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

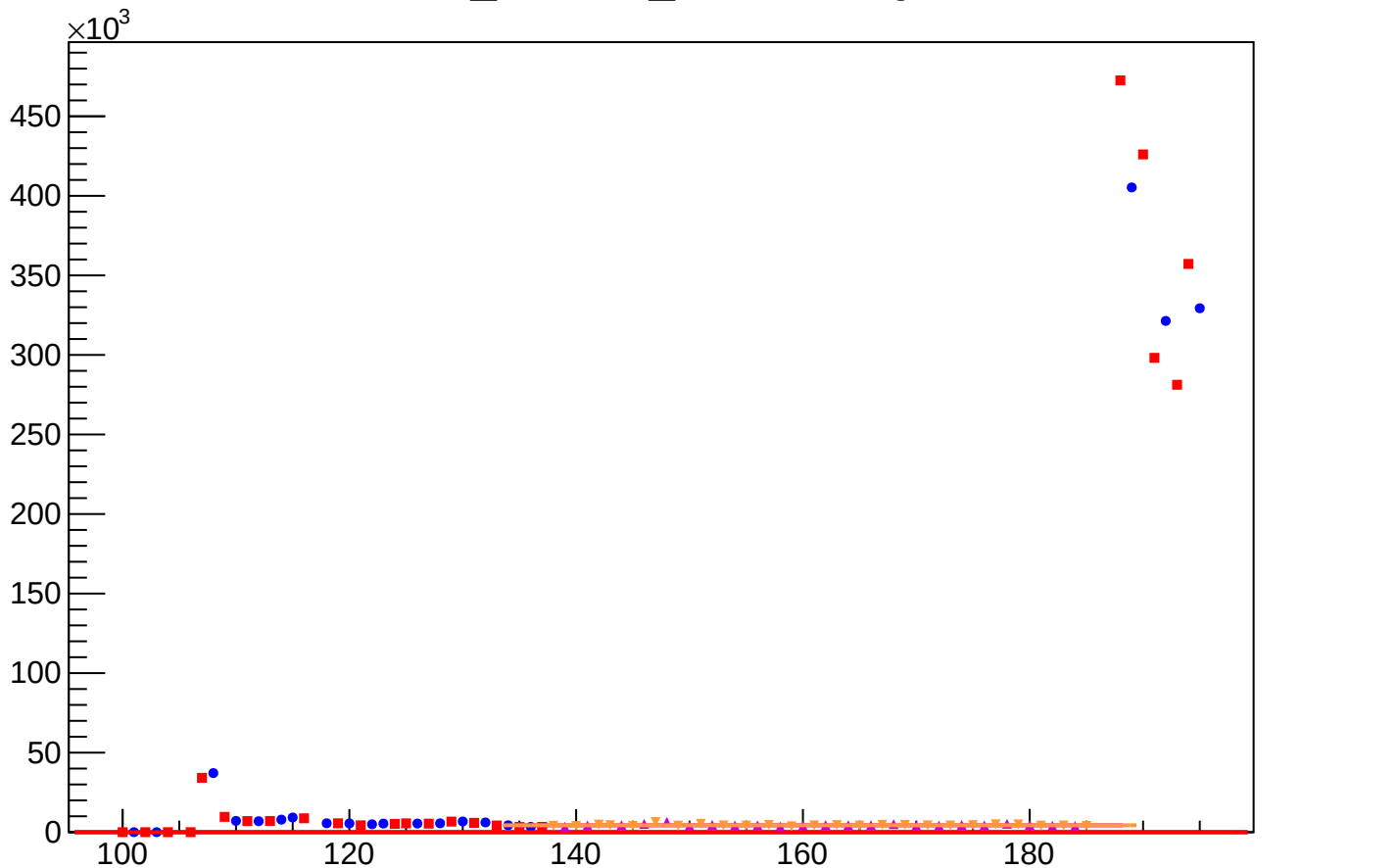
Left In: 0.939 $\pm$ 1.049 χ^2 /NDF:35.6/22

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 35.0/45

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 96.7/93

- 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 : 15210994.7/19

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

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

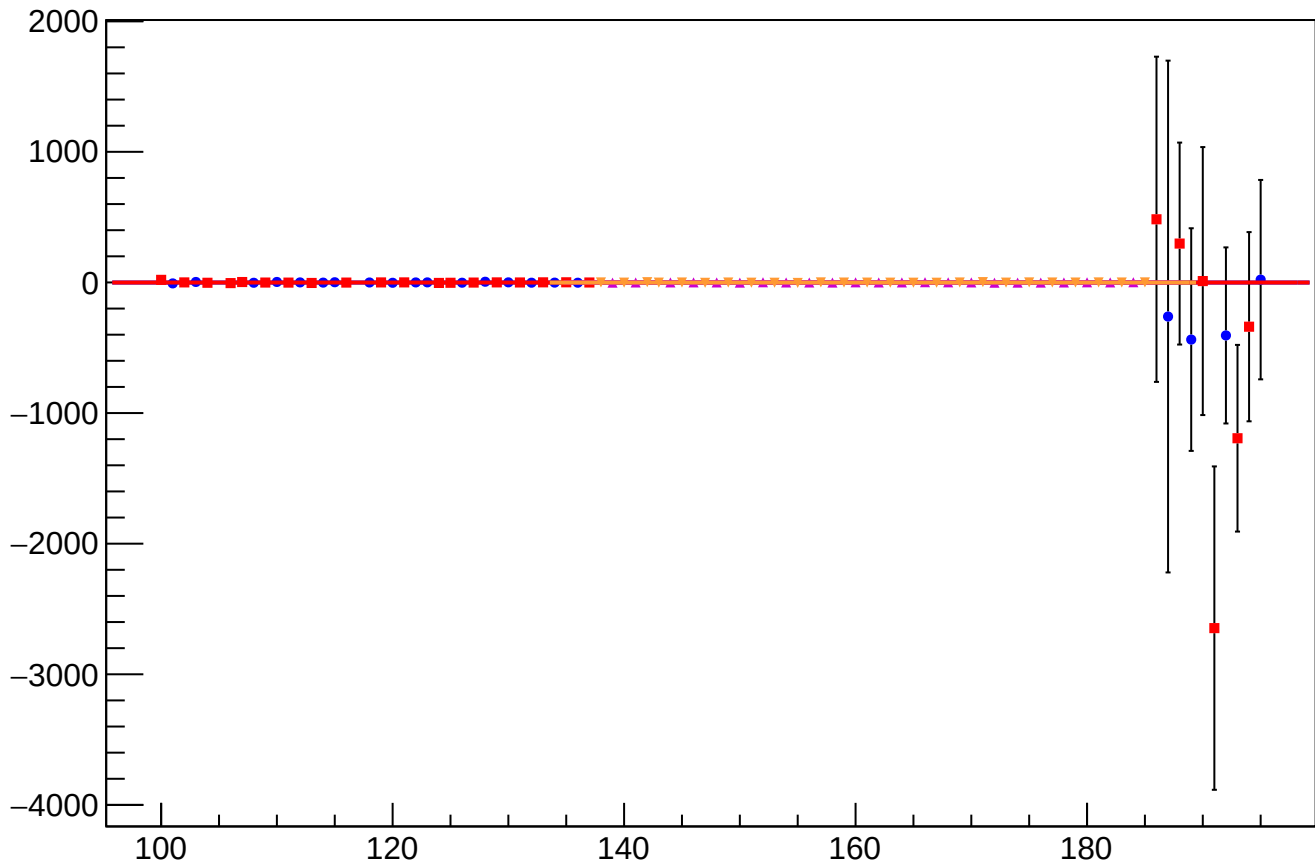
Left In: 4321.572 ± 0.741 χ^2/NDF : 514603.2/22

+ sign 10.291 ± 0.007 χ^2/NDF : 51638415.4/44

All: 10.215 ± 0.004 χ^2/NDF : 102832547.5/9

- 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 : 23.3/20

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

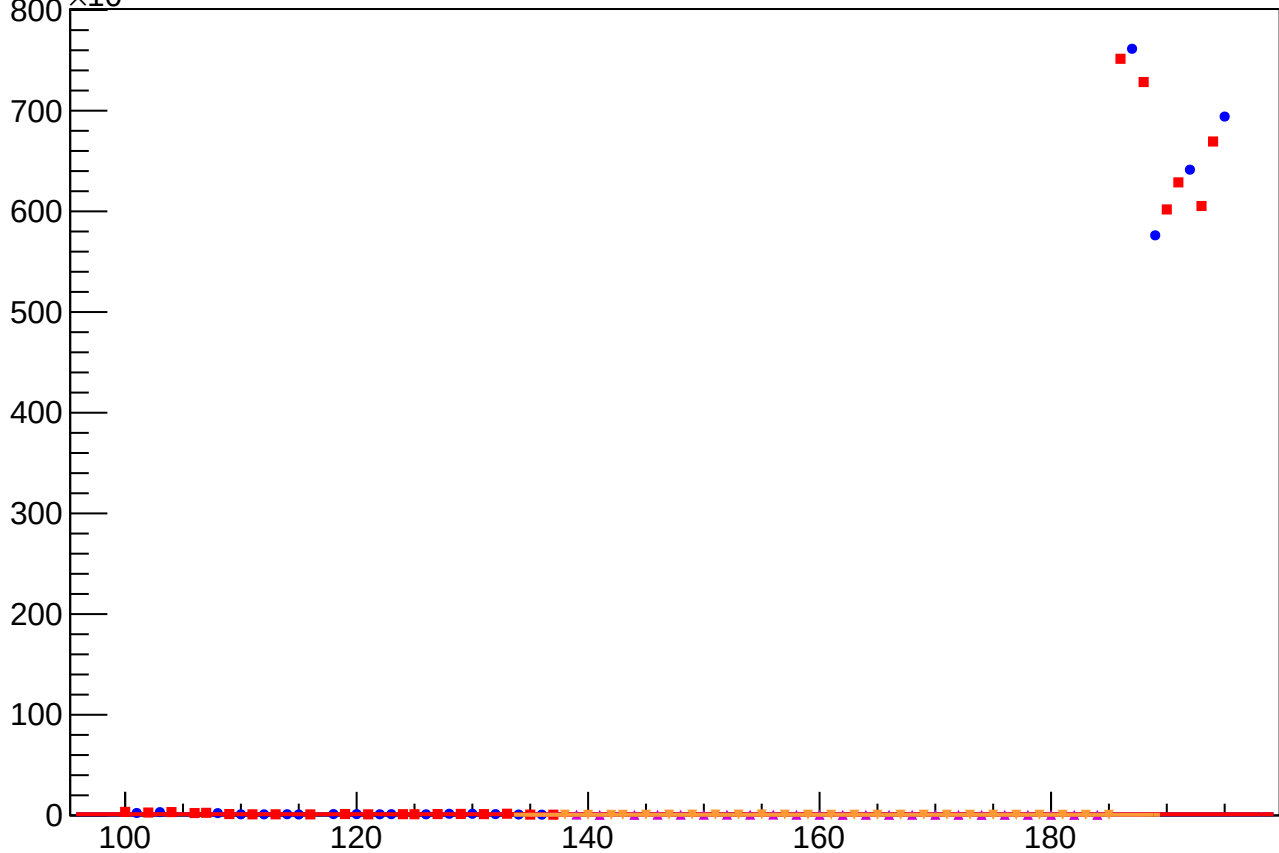
+ sign -0.769 ± 0.156 χ^2/NDF : 81.9/45

All: -0.438 ± 0.112 χ^2/NDF : 142.9/93

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

diff_cav4cX_rms vs Slug

$\times 10^3$



Right In: 1167.957 $\pm$ 0.342 χ^2 /NDF: 6236927.9/20

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

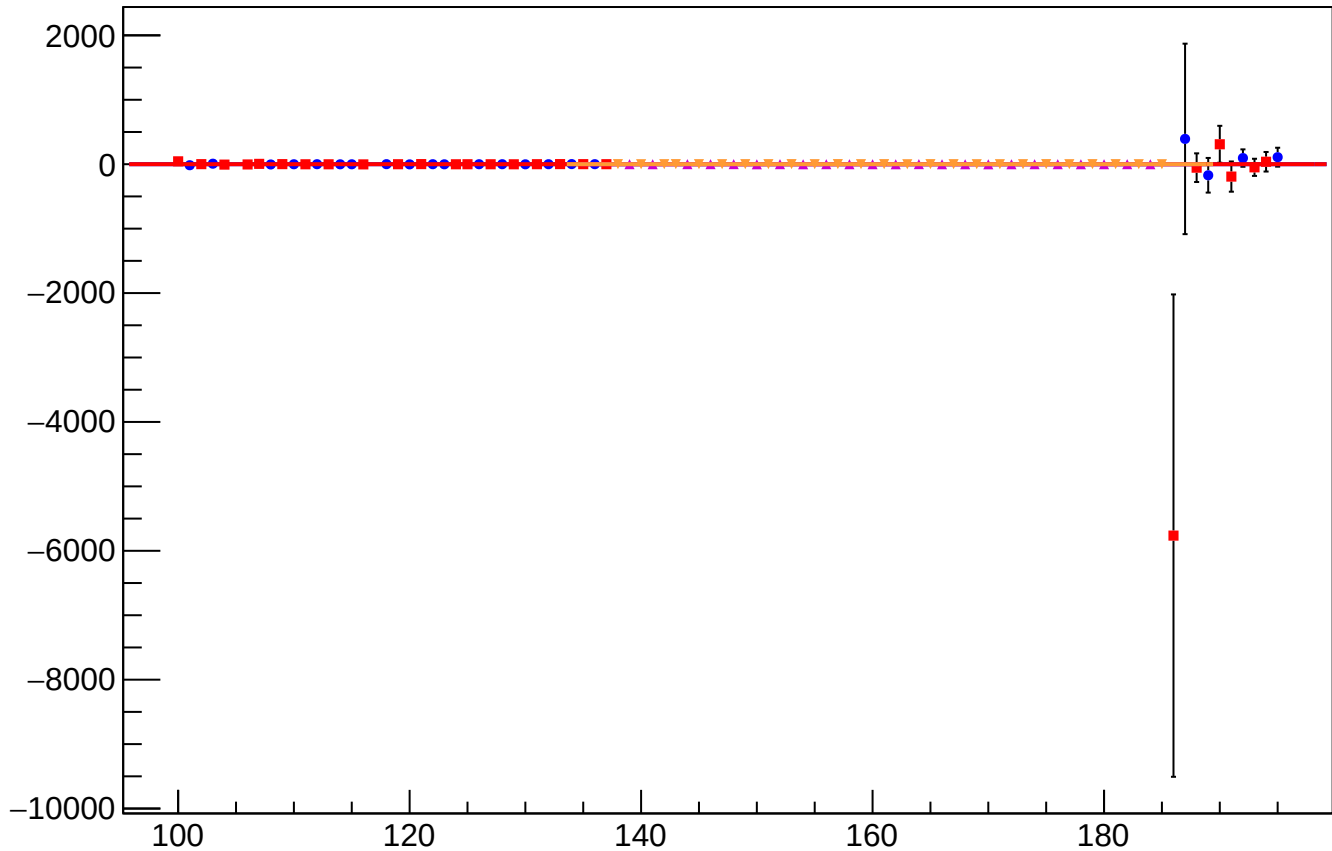
Left In: 706.971 $\pm$ 0.121 χ^2 /NDF: 332011.4/22

+ sign 749.538 $\pm$ 0.110 χ^2 /NDF: 8304025.6/45

All: 756.175 $\pm$ 0.079 χ^2 /NDF: 19185735.1/93

- sign 763.321 $\pm$ 0.114 χ^2 /NDF: 10874172.1/47

diff_cav4cY_mean vs Slug



Right In: -0.059 ± 0.269 χ^2/NDF : 20.6/20

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

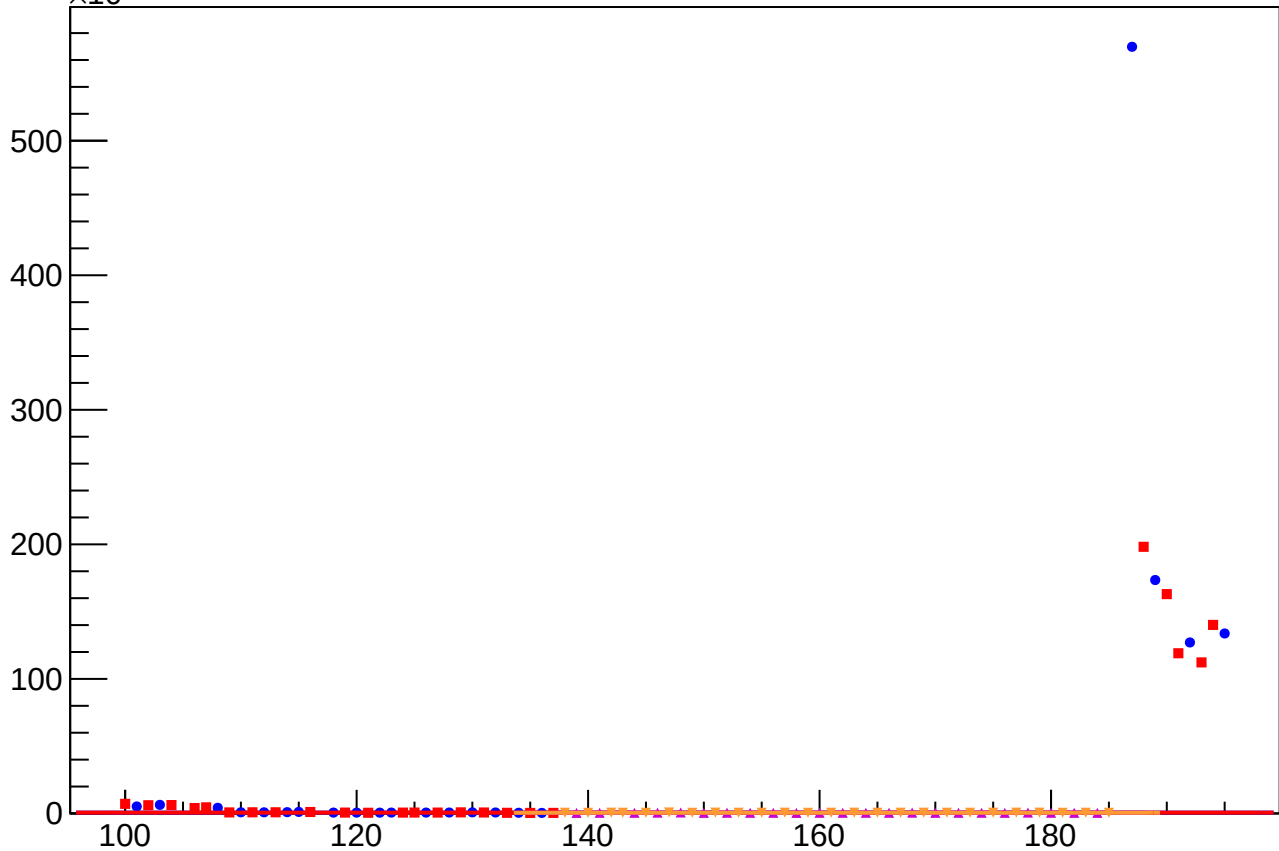
+ sign 0.183 ± 0.112 χ^2/NDF : 39.6/45

All: 0.169 ± 0.080 χ^2/NDF : 99.9/93

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

diff_cav4cY_rms vs Slug

$\times 10^3$



Right In: 610.526 $\pm$ 0.190 χ^2 /NDF: 7659116.7/20

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

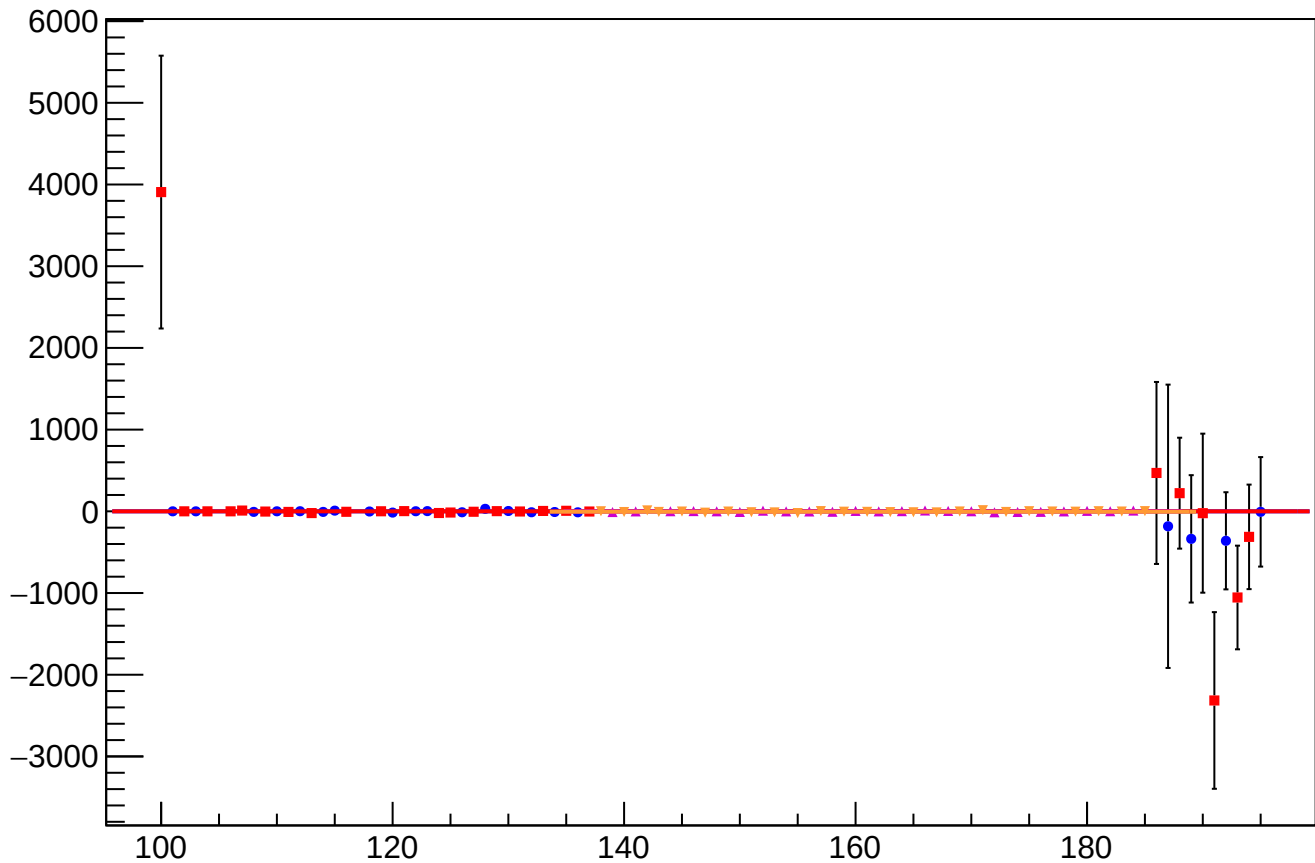
Left In: 520.700 $\pm$ 0.089 χ^2 /NDF: 427720.5/22

+ sign 537.409 $\pm$ 0.079 χ^2 /NDF: 8167984.4/45

All: 536.449 $\pm$ 0.056 χ^2 /NDF: 18126585.8/92

- 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 : 16.5/20

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

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

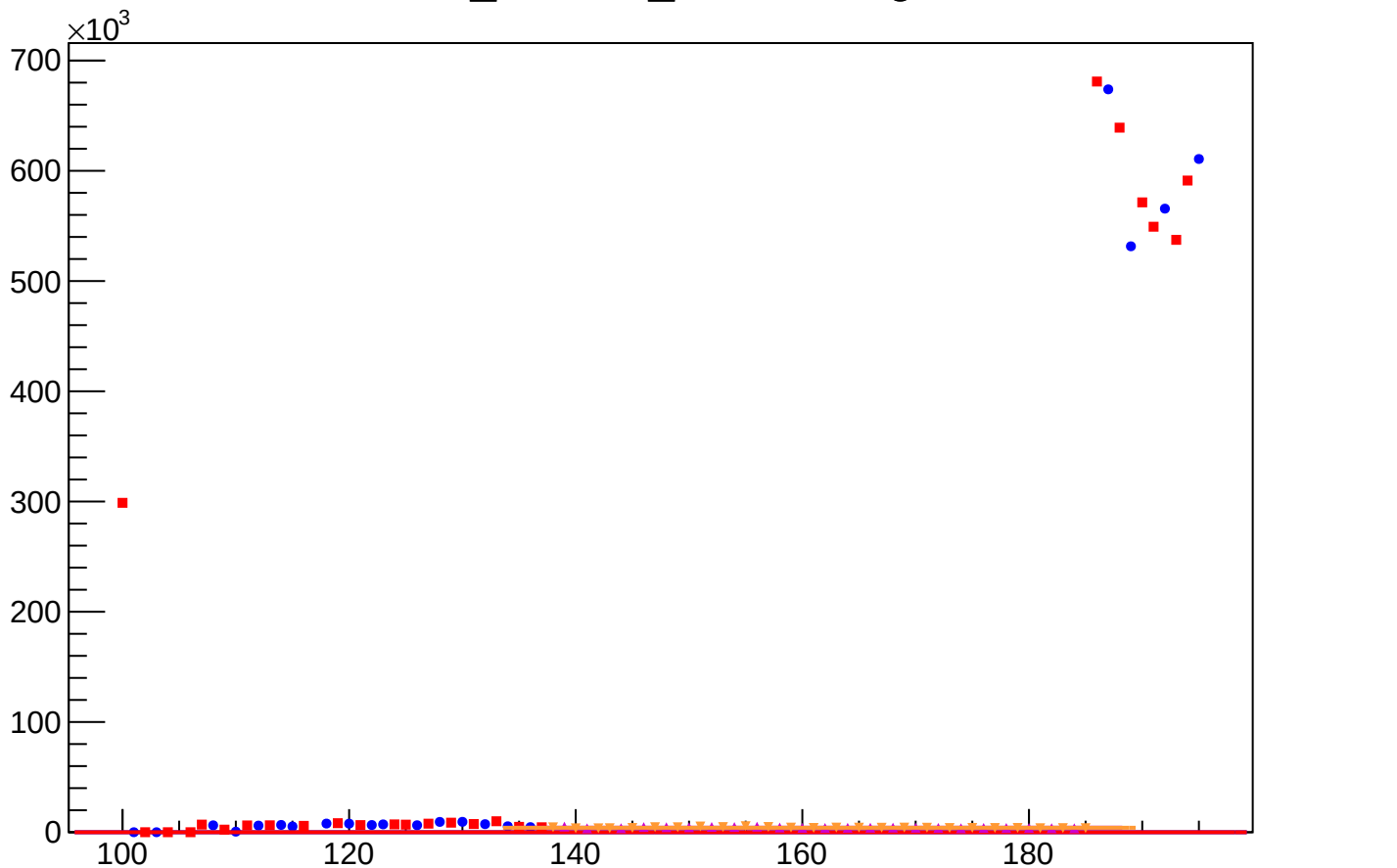
Left In: -0.183 ± 0.994 χ^2/NDF : 29.5/22

+ sign -0.024 ± 0.021 χ^2/NDF : 96.6/45

All: -0.025 ± 0.014 χ^2/NDF : 151.5/93

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

diff_cav4dX_rms vs Slug



Right In: 17.341 ± 0.015 χ^2/NDF : 15161336.3/20

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

Right Out: 17.270 ± 0.014 χ^2/NDF : 17634392.1/24

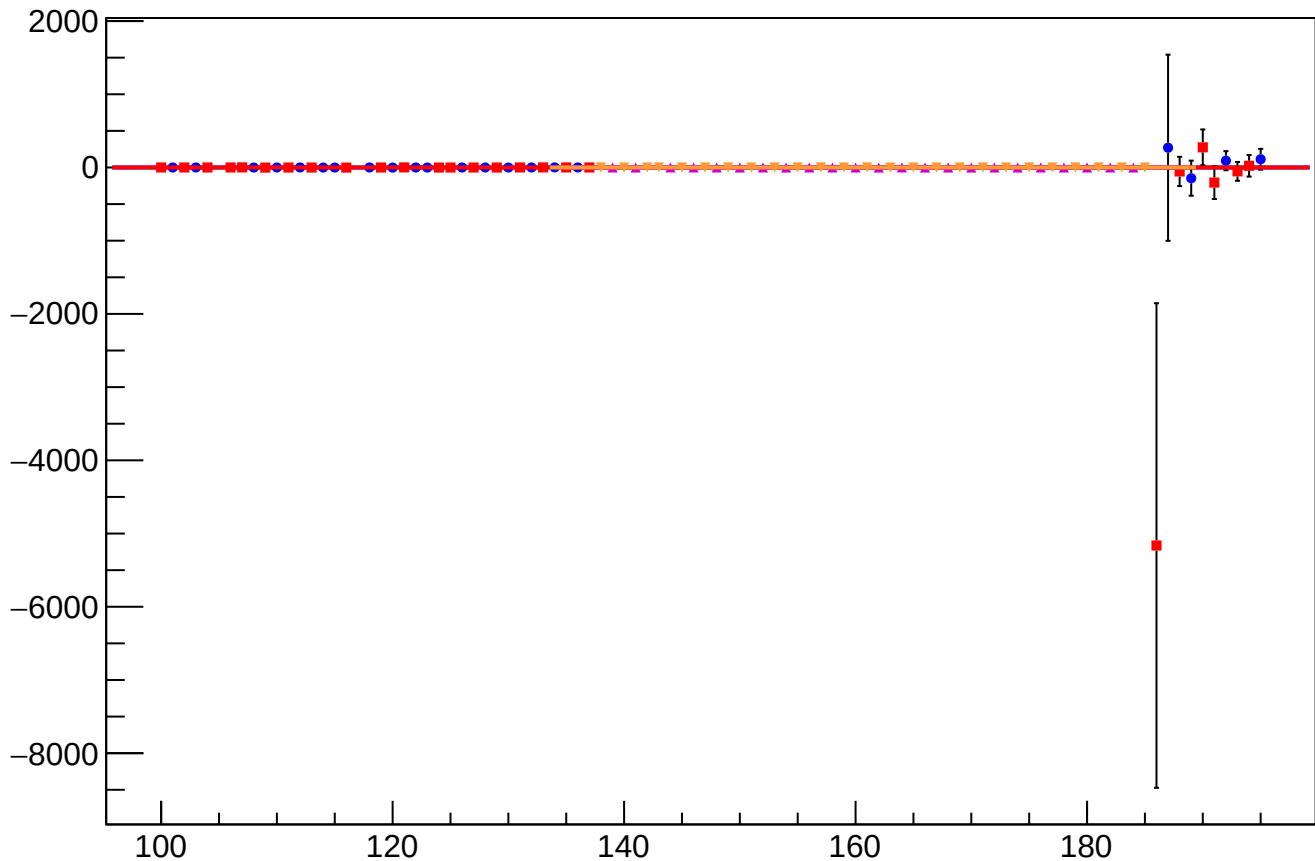
Left In: 4113.993 ± 0.703 χ^2/NDF : 349160.6/22

+ sign 19.255 ± 0.015 χ^2/NDF : 51511474.0/45

All: 19.064 ± 0.010 χ^2/NDF : 103451296.2/93

- sign 18.891 ± 0.014 χ^2/NDF : 51939498.8/47

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 15.2/20

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

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 23.0/24

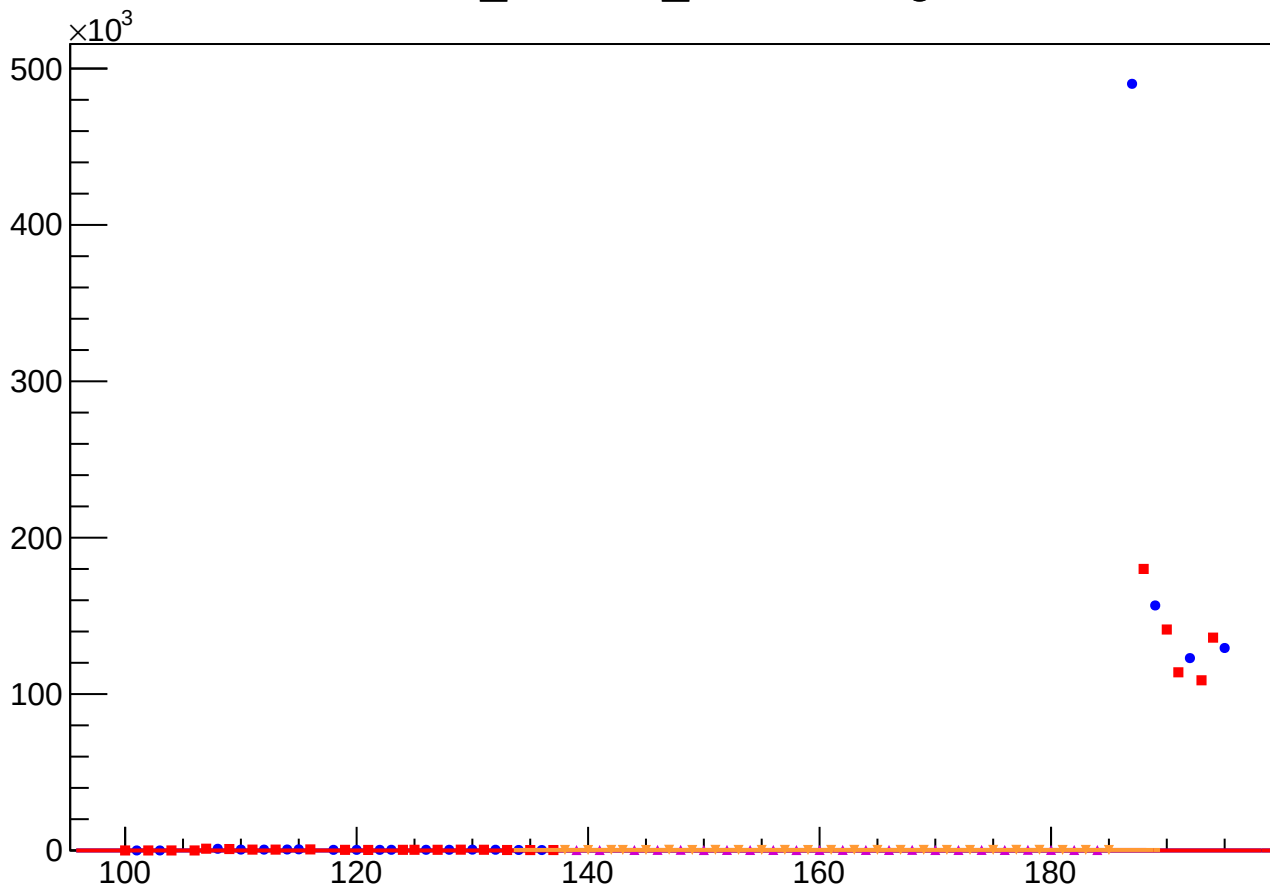
Left In: 0.080 $\pm$ 0.079 χ^2 /NDF:34.6/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 36.2/45

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 94.9/93

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 58.6/47

diff_cav4dY_rms vs Slug



Right In: 1.699 ± 0.001 χ^2/NDF : 15594889.7/20

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

Right Out: 1.728 ± 0.001 χ^2/NDF : 16635268.2/23

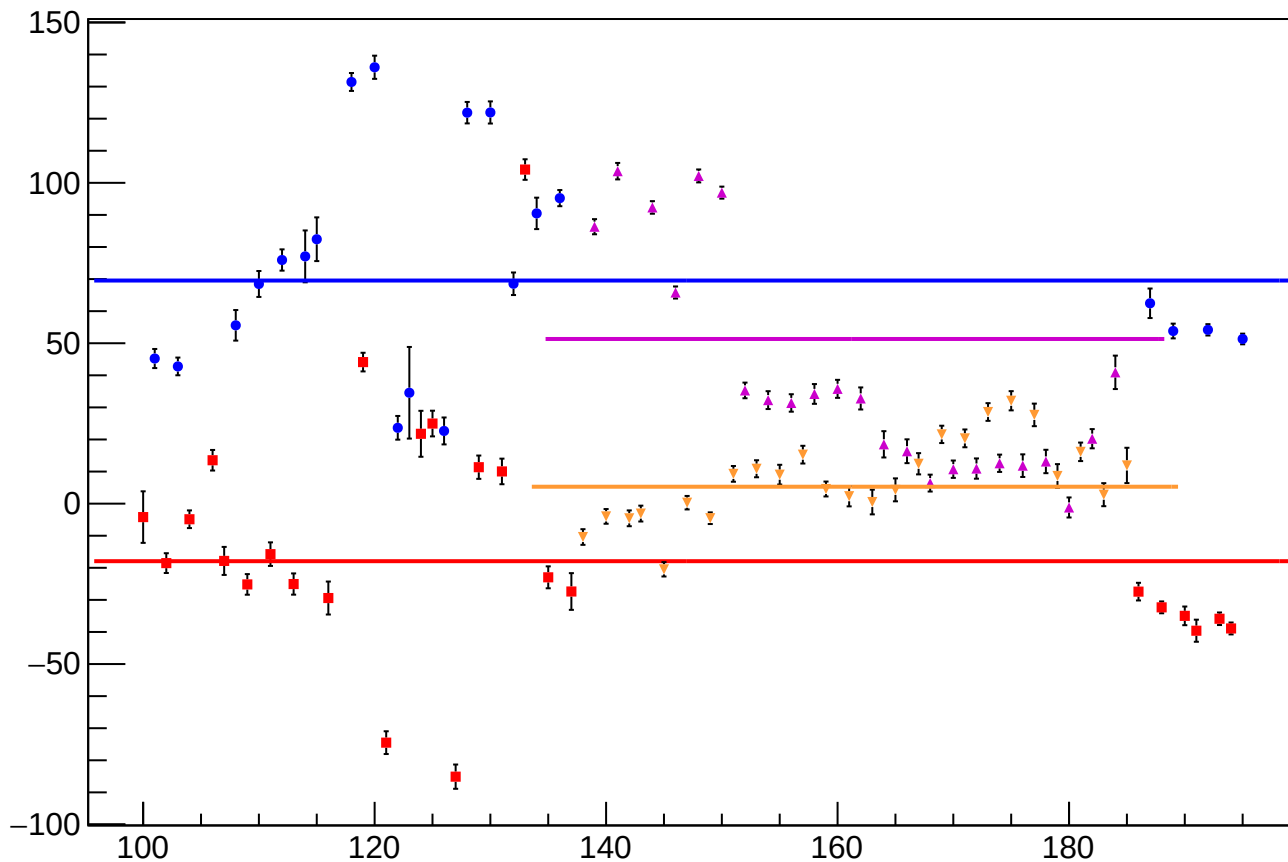
Left In: 325.626 ± 0.056 χ^2/NDF : 413350.0/22

+ sign 1.926 ± 0.001 χ^2/NDF : 51806783.2/45

All: 1.925 ± 0.001 χ^2/NDF : 102579968.0/92

- sign 1.924 ± 0.001 χ^2/NDF : 50773183.4/46

diff_bpm0i01X_mean vs Slug



Right In: 69.546 ± 0.676 χ^2/NDF : 2134.8/20

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

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

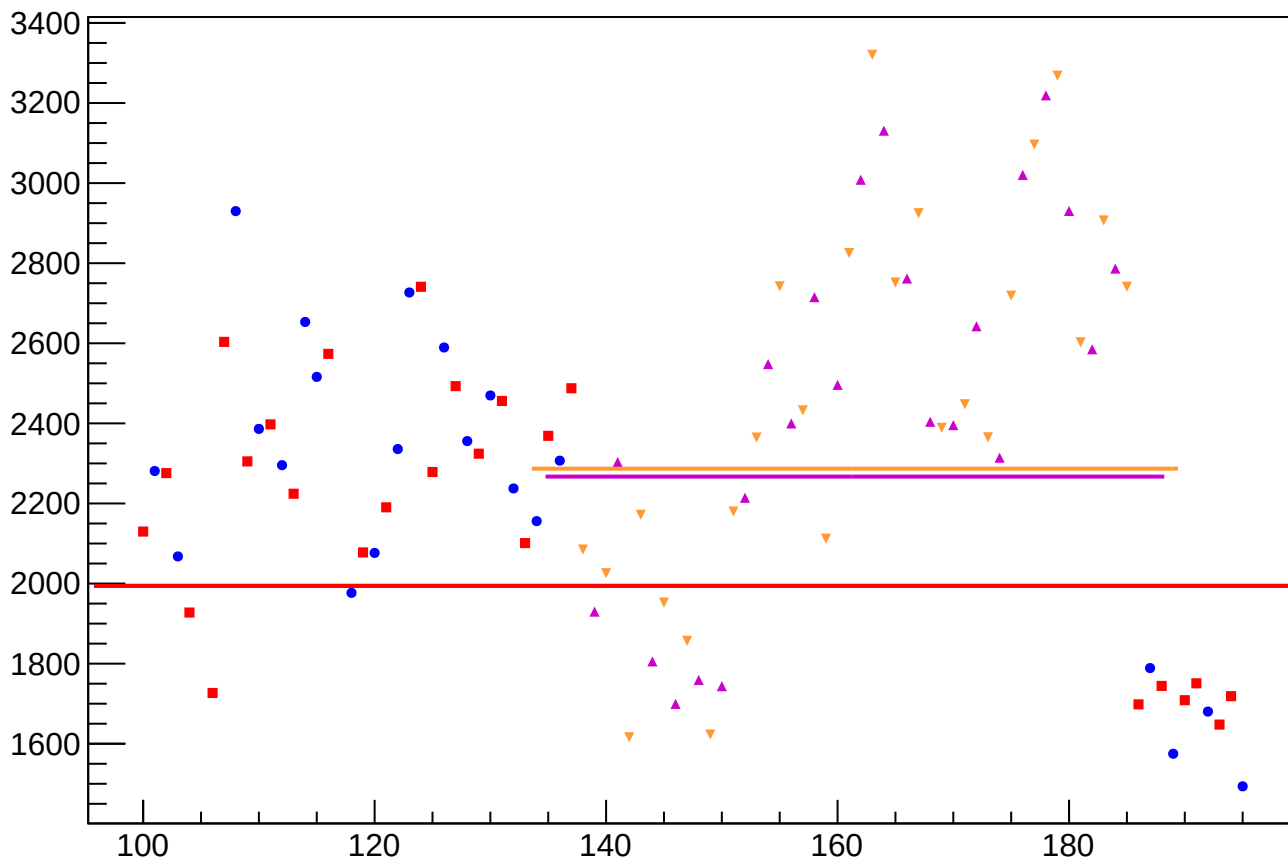
Left In: 51.328 ± 0.558 χ^2/NDF : 4257.8/22

+ sign 30.538 ± 0.424 χ^2/NDF : 8173.8/45

All: 25.385 ± 0.297 χ^2/NDF : 22823.5/93

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

diff_bpm0i01X_rms vs Slug



Right In: 1994.433 $\pm$ 0.478 χ^2 /NDF: 639479.9/20

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

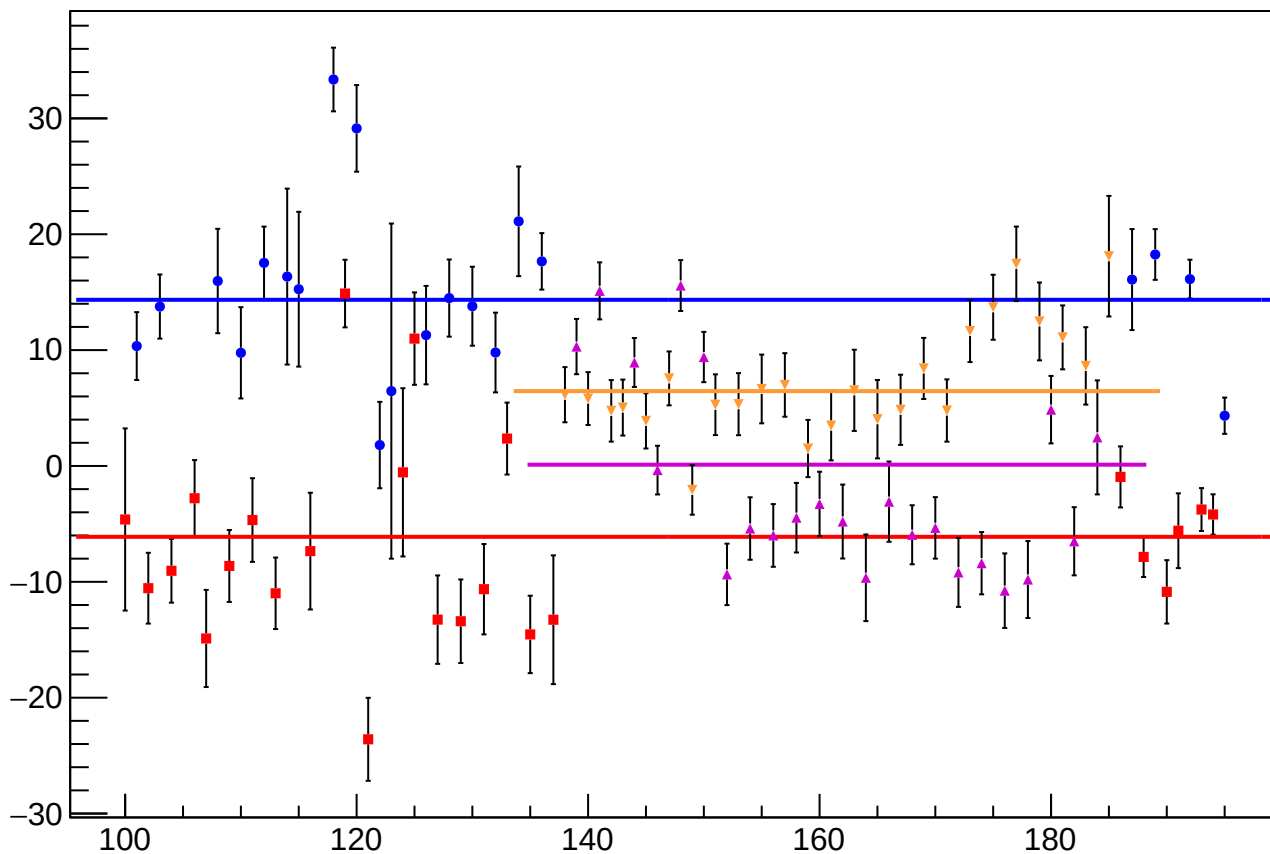
Left In: 2267.097 $\pm$ 0.395 χ^2 /NDF:1313364.4/22

+ sign 2171.925 $\pm$ 0.300 χ^2 /NDF: 2226999.7/45

All: 2158.319 $\pm$ 0.210 χ^2 /NDF: 4261530.3/93

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

diff_bpm0i01Y_mean vs Slug



Right In: 14.342 ± 0.654 χ^2/NDF : 131.2/20

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

Right Out: -6.116 ± 0.601 χ^2/NDF : 141.8/24

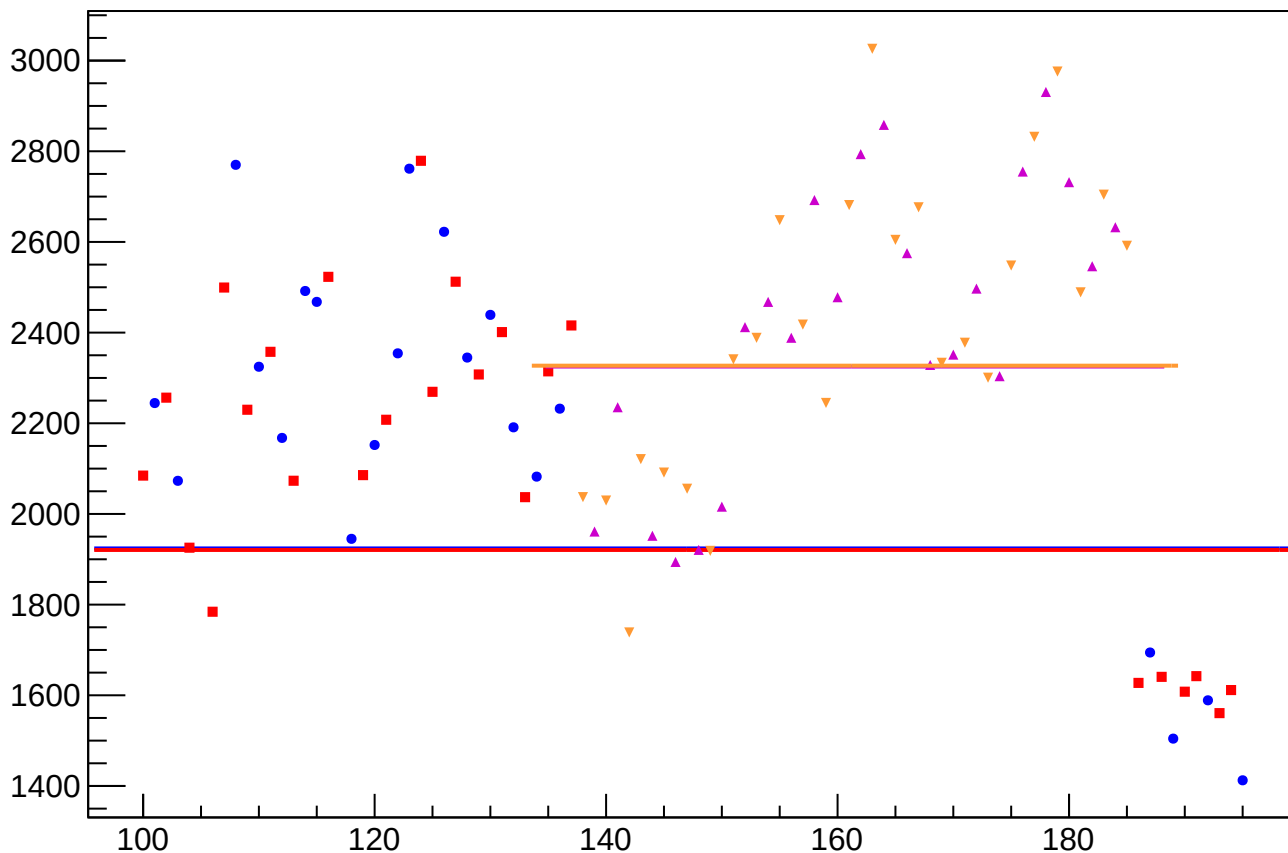
Left In: 0.110 ± 0.565 χ^2/NDF : 234.6/22

+ sign 9.708 ± 0.420 χ^2/NDF : 275.4/45

All: 3.324 ± 0.294 χ^2/NDF : 1162.2/93

- sign -2.813 ± 0.412 χ^2/NDF : 433.4/47

diff_bpm0i01Y_rms vs Slug



Right In: 1923.916 $\pm$ 0.462 χ^2 /NDF: 749103.9/20

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

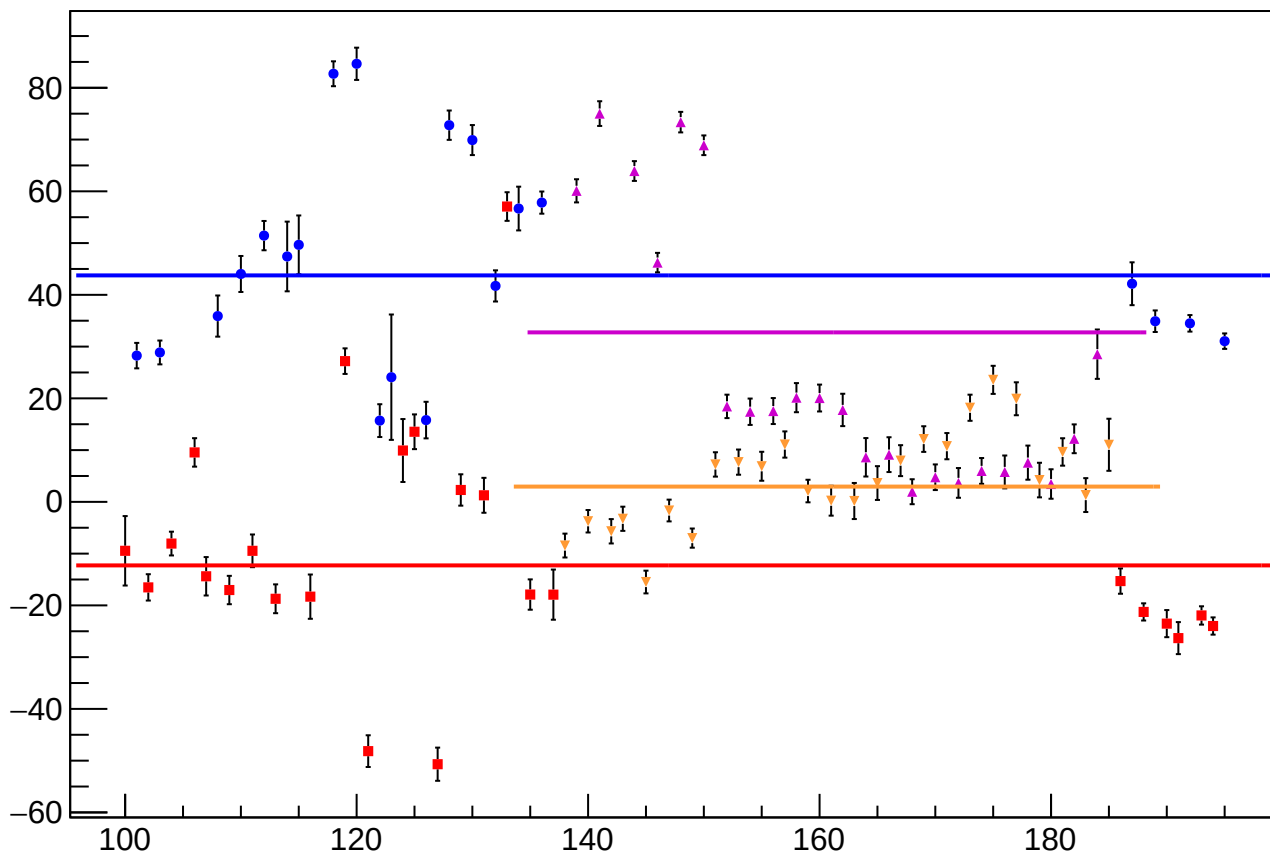
Left In: 2325.175 $\pm$ 0.400 χ^2 /NDF: 610729.2/22

+ sign 2160.886 $\pm$ 0.297 χ^2 /NDF: 1842629.0/45

All: 2147.807 $\pm$ 0.208 χ^2 /NDF: 3554507.3/93

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

diff_bpm0i01aX_mean vs Slug



Right In: 43.755 $\pm$ 0.588 χ^2 /NDF: 1035.7/20

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

Right Out: -12.276 $\pm$ 0.541 χ^2 /NDF: 1511.1/24

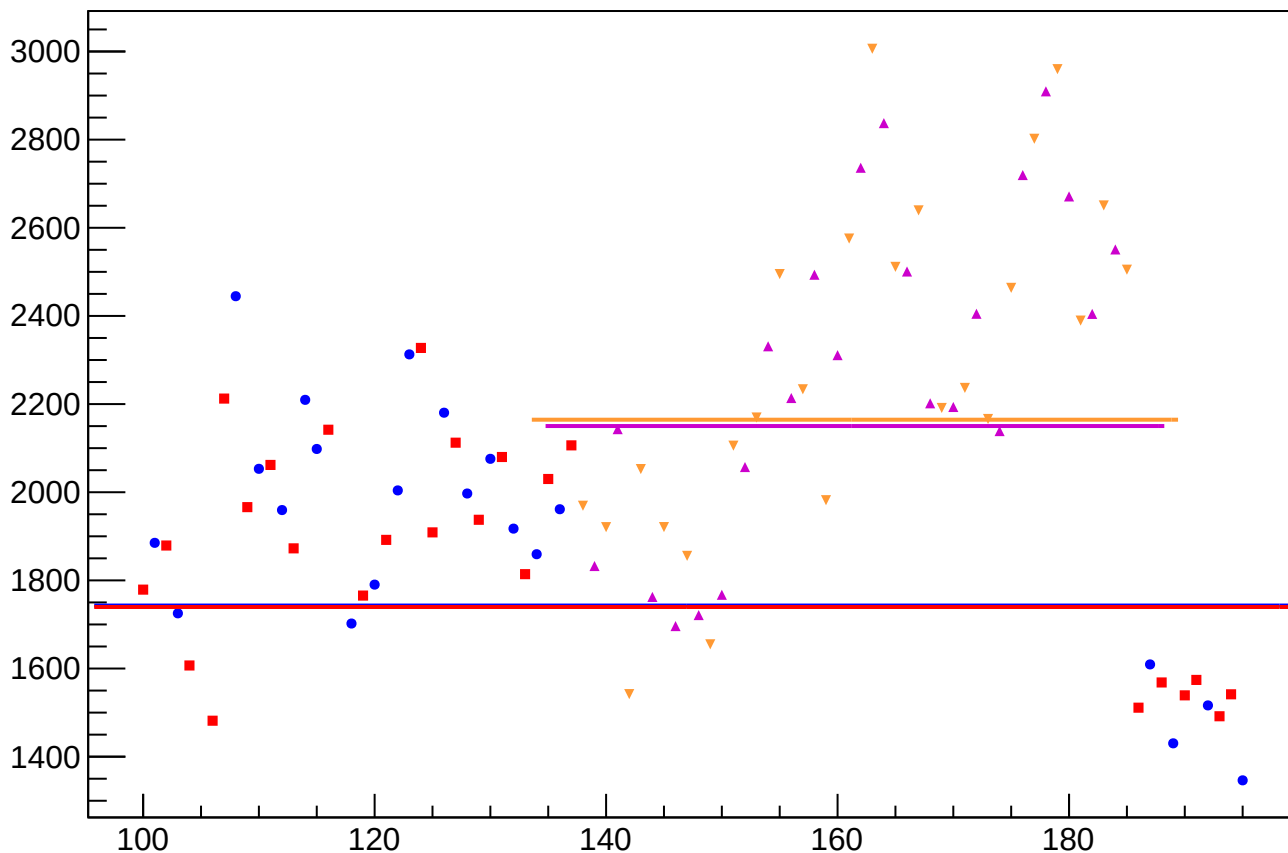
Left In: 32.745 $\pm$ 0.526 χ^2 /NDF:2632.5/22

+ sign 20.558 $\pm$ 0.386 χ^2 /NDF: 4114.7/45

All: 15.596 $\pm$ 0.270 χ^2 /NDF: 12141.0/93

- sign 10.859 $\pm$ 0.377 χ^2 /NDF: 7703.3/47

diff_bpm0i01aX_rms vs Slug



Right In: 1742.908 $\pm$ 0.416 χ^2 /NDF: 463492.3/20

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

Right Out: 1739.638 $\pm$ 0.382 χ^2 /NDF: 360676.9/24

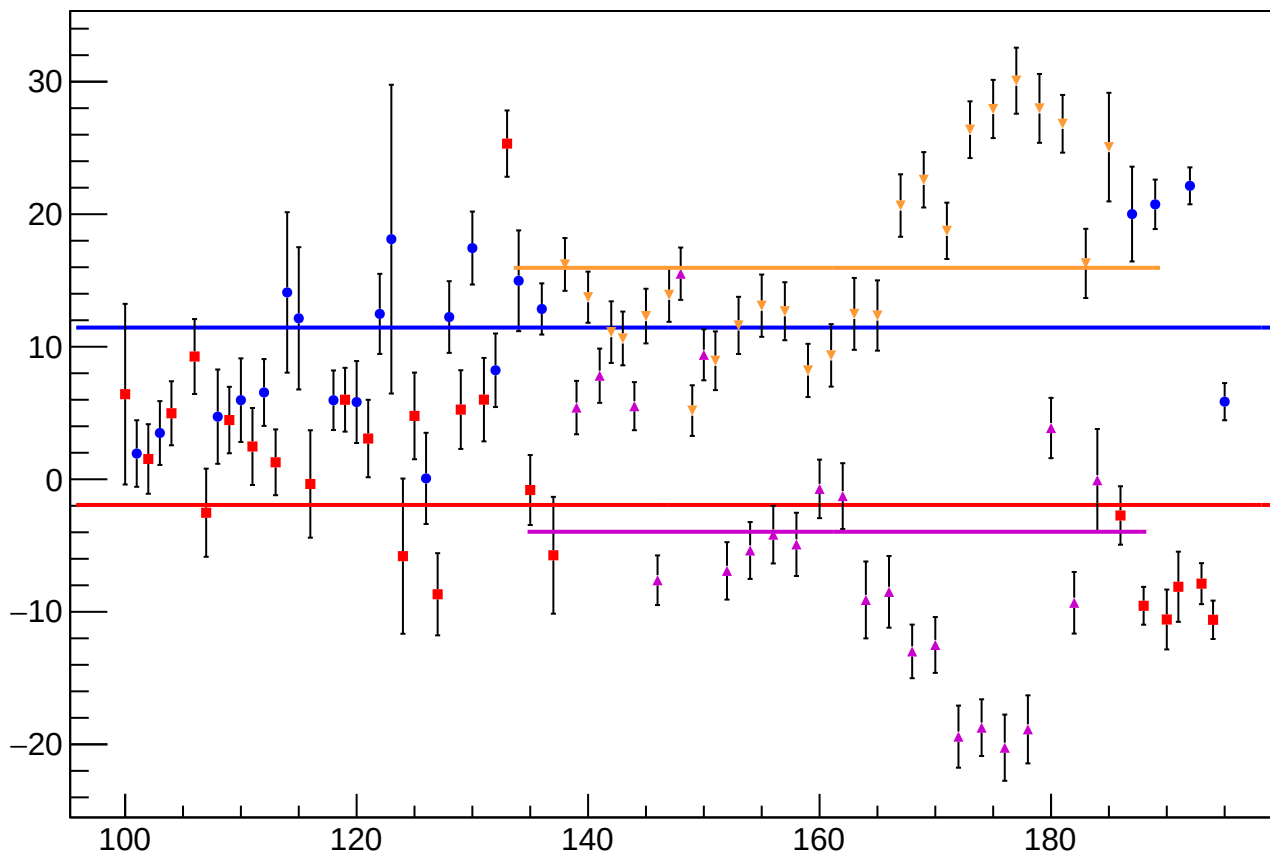
Left In: 2150.190 $\pm$ 0.372 χ^2 /NDF: 911849.7/22

+ sign 1982.631 $\pm$ 0.273 χ^2 /NDF: 2014583.1/45

All: 1966.247 $\pm$ 0.191 χ^2 /NDF: 3886195.4/93

- sign 1950.606 $\pm$ 0.267 χ^2 /NDF: 1864568.8/47

diff_bpm0i01aY_mean vs Slug



Right In: 11.447 ± 0.546 $\chi^2/\text{NDF}: 169.4/20$

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

Right Out: -1.937 ± 0.496 $\chi^2/\text{NDF}: 292.2/24$

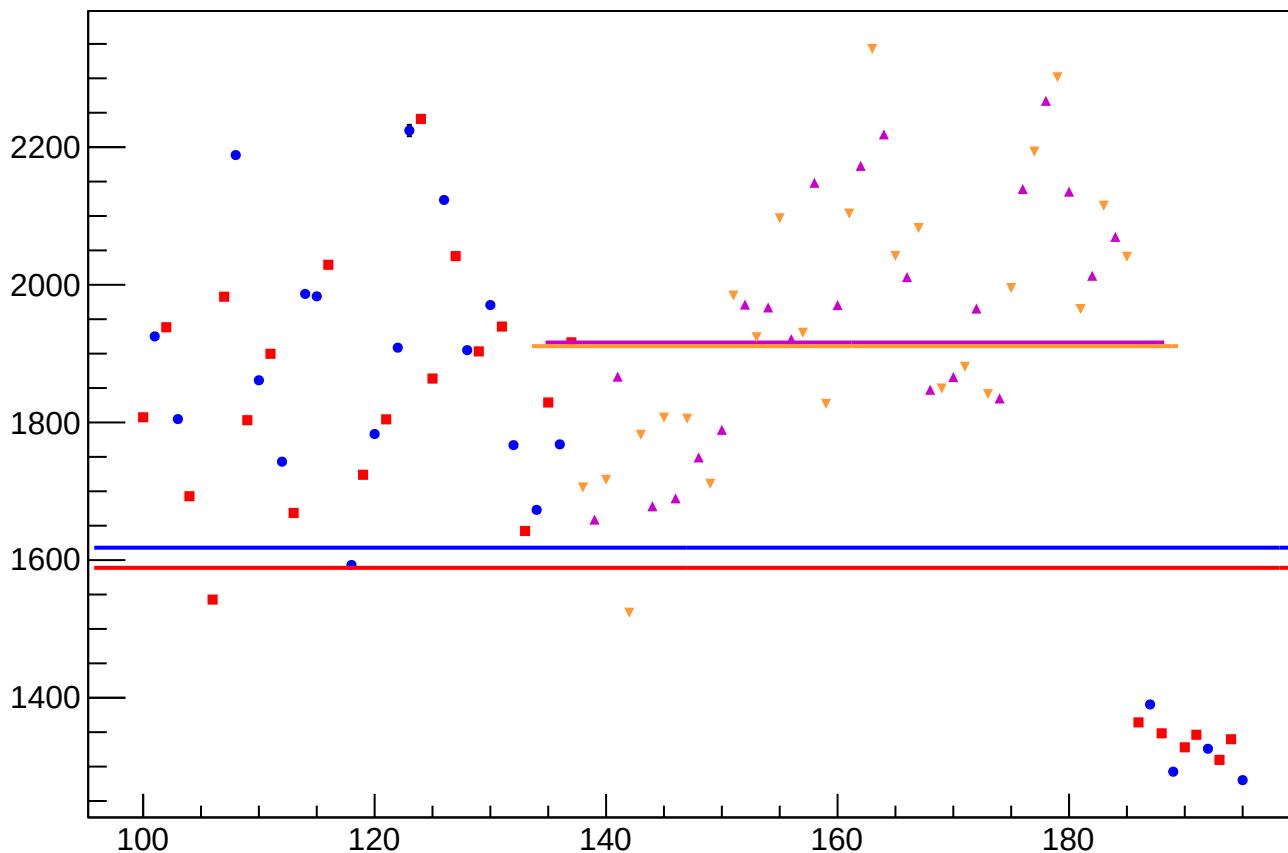
Left In: -3.960 ± 0.463 $\chi^2/\text{NDF}: 464.9/22$

+ sign 14.143 ± 0.346 $\chi^2/\text{NDF}: 455.4/45$

All: 5.370 ± 0.242 $\chi^2/\text{NDF}: 2479.3/93$

- sign -3.018 ± 0.338 $\chi^2/\text{NDF}: 766.0/47$

diff_bpm0i01aY_rms vs Slug



Right In: 1618.021 $\pm$ 0.386 χ^2 /NDF: 546352.4/20

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

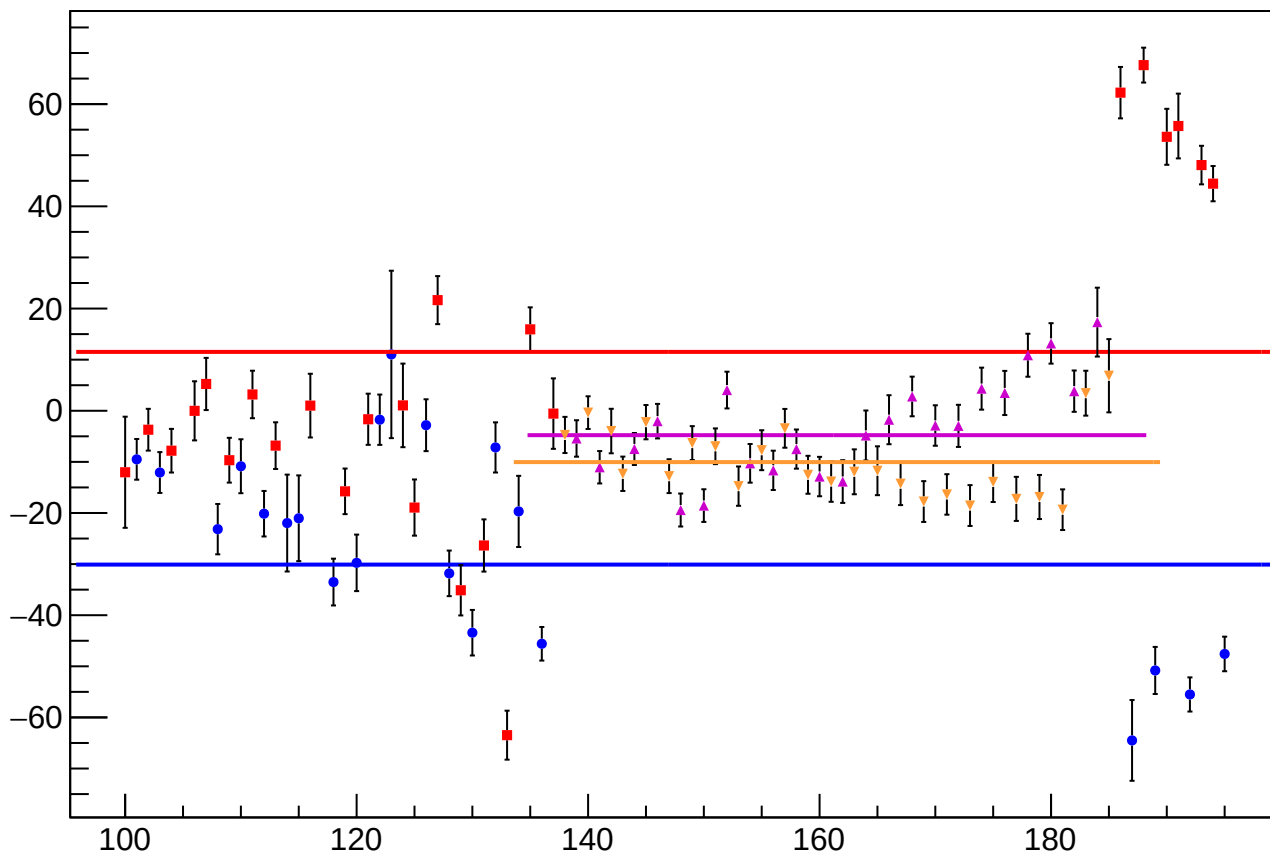
Left In: 1916.159 $\pm$ 0.327 χ^2 /NDF: 274285.3/22

+ sign 1793.119 $\pm$ 0.245 χ^2 /NDF: 1219813.0/45

All: 1778.060 $\pm$ 0.171 χ^2 /NDF: 2520669.9/93

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

diff_bpm0l01X_mean vs Slug



Right In: -30.097 ± 1.032 χ^2/NDF : 317.2/20

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

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

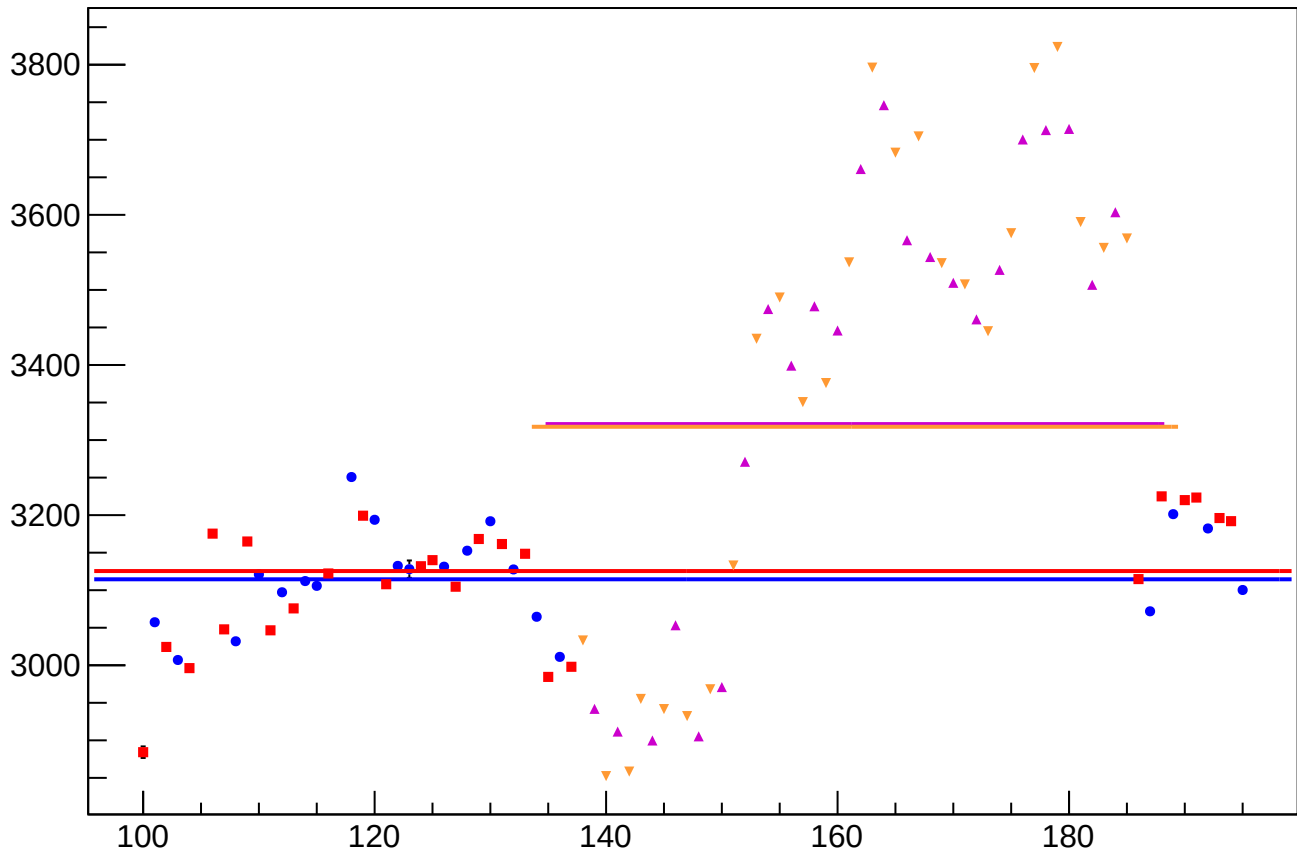
Left In: -4.774 ± 0.800 χ^2/NDF : 128.5/22

+ sign -17.286 ± 0.620 χ^2/NDF : 625.4/45

All: -7.608 ± 0.437 χ^2/NDF : 2635.9/93

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

diff_bpm0l01X_rms vs Slug



Right In: 3114.525+/-0.730 χ^2/NDF : 9155.9/20

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

Right Out: 3125.508+/-0.679 χ^2/NDF : 13606.6/24

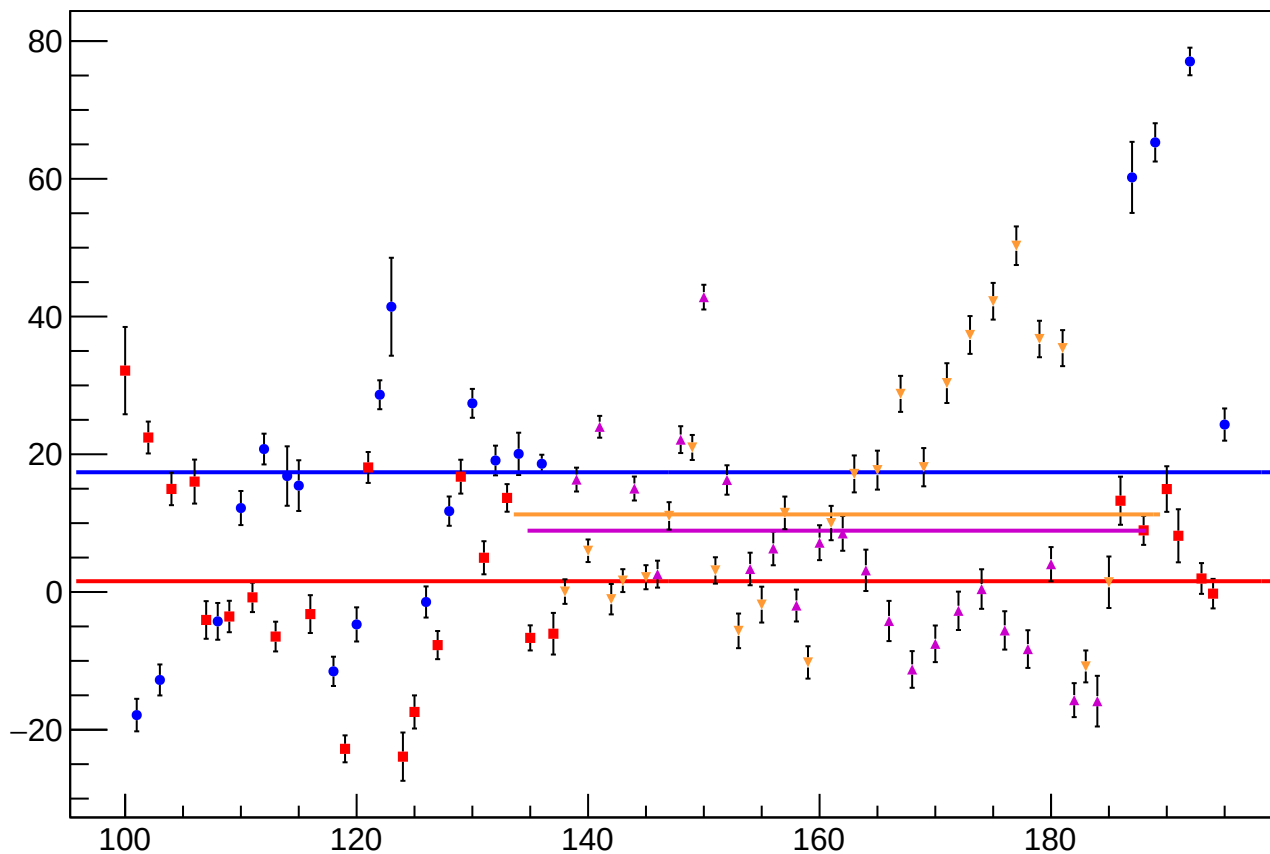
Left In: 3321.275+/-0.566 χ^2/NDF : 284334.2/22

+ sign 3244.309+/-0.439 χ^2/NDF : 395513.4/45

All: 3242.678+/-0.309 χ^2/NDF : 742486.9/93

- sign 3241.076+/-0.435 χ^2/NDF : 346946.1/47

diff_bpm0l01Y_mean vs Slug



Right In: 17.391 ± 0.514 χ^2/NDF : 2142.7/20

Left Out: 11.268 ± 0.454 χ^2/NDF : 1141.8/24

Right Out: 1.568 ± 0.487 χ^2/NDF : 676.2/24

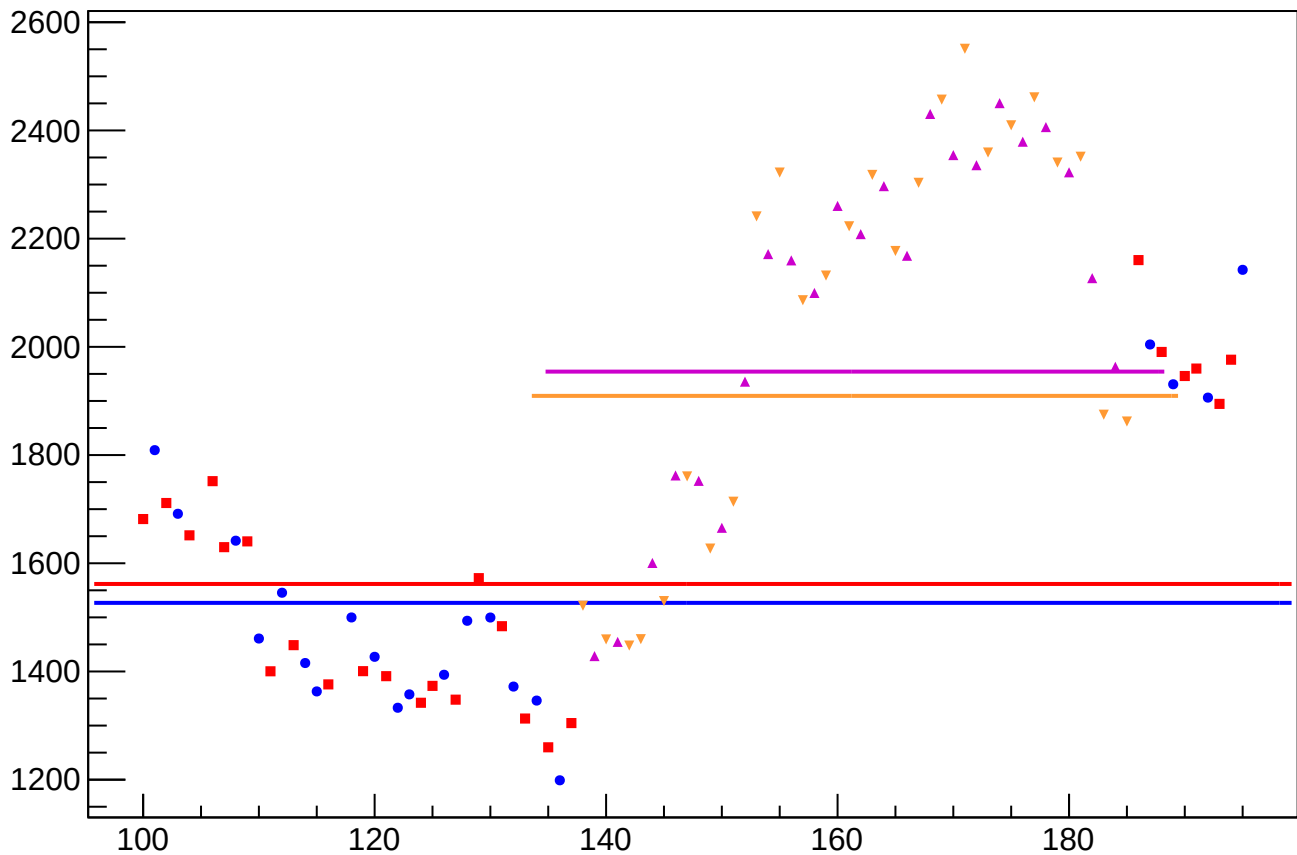
Left In: 8.905 ± 0.478 χ^2/NDF : 936.3/22

+ sign 13.953 ± 0.340 χ^2/NDF : 3364.1/45

All: 9.637 ± 0.241 χ^2/NDF : 5414.1/93

- sign 5.309 ± 0.341 χ^2/NDF : 1728.2/47

diff_bpm0l01Y_rms vs Slug



Right In: 1526.813+/-0.364 χ^2/NDF : 490736.6/20

Left Out: 1909.387+/-0.321 χ^2/NDF :1398498.0/24

Right Out: 1561.746+/-0.344 χ^2/NDF : 526957.2/24

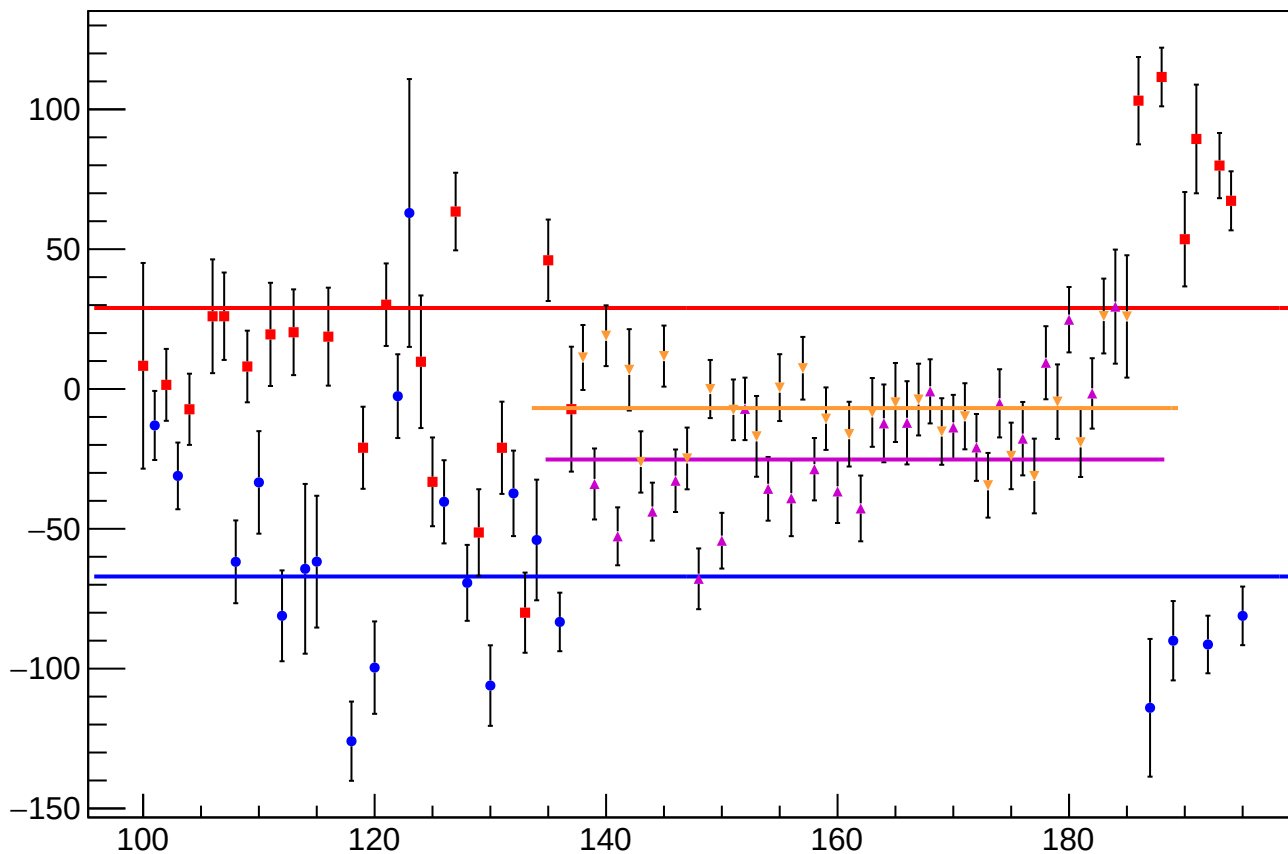
Left In: 1954.236+/-0.338 χ^2/NDF :1044826.7/22

+ sign 1741.634+/-0.241 χ^2/NDF : 2510977.2/45

All: 1751.733+/-0.170 χ^2/NDF : 4748535.4/93

- sign 1761.862+/-0.241 χ^2/NDF : 2234033.8/47

diff_bpm0l02X_mean vs Slug



Right In: -67.051 ± 3.214 $\chi^2/\text{NDF}: 110.4/20$

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

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

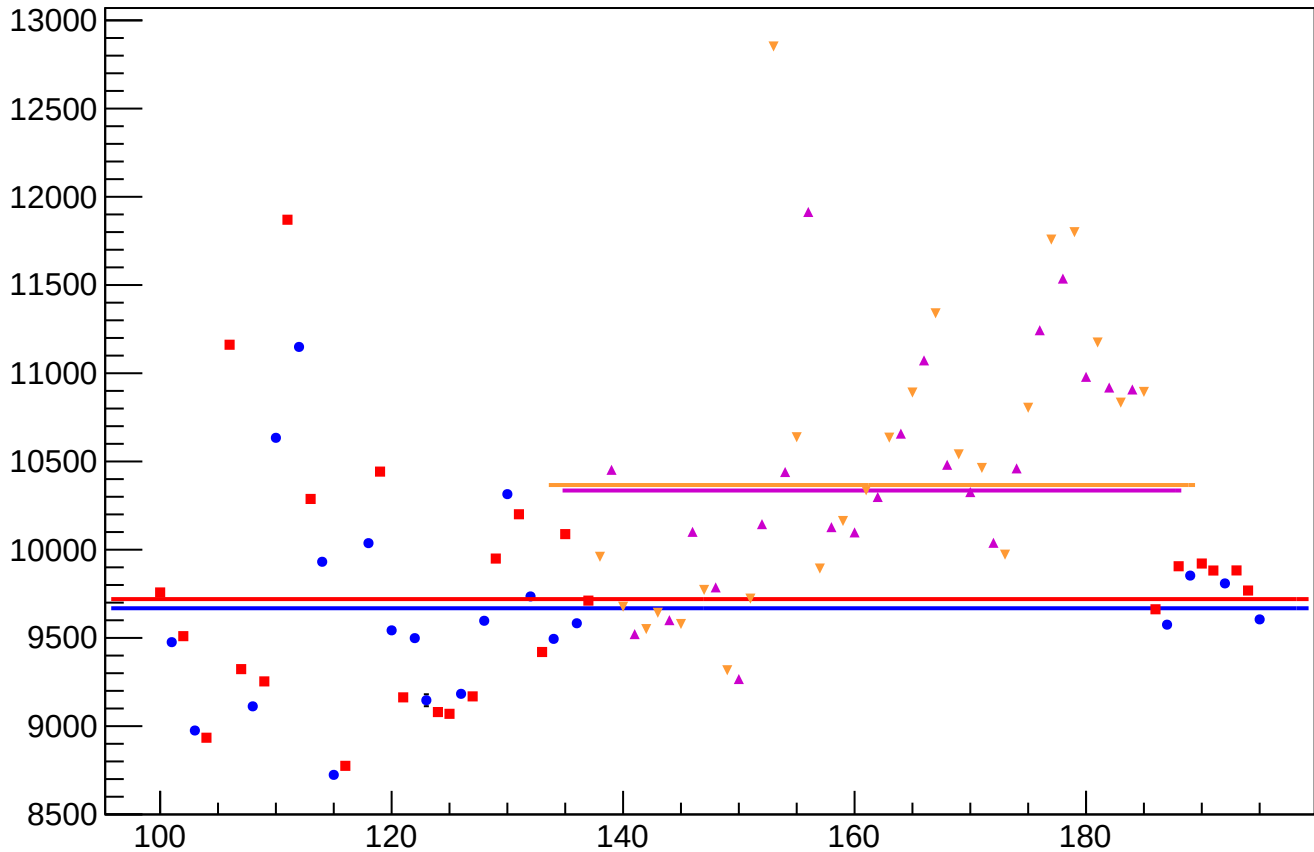
Left In: -25.215 ± 2.487 $\chi^2/\text{NDF}: 89.3/22$

+ sign -28.644 ± 1.935 $\chi^2/\text{NDF}: 376.6/45$

All: -15.748 ± 1.361 $\chi^2/\text{NDF}: 1024.3/93$

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

diff_bpm0l02X_rms vs Slug



Right In: 9668.122 $\pm$ 2.273 χ^2 /NDF: 44876.9/20

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

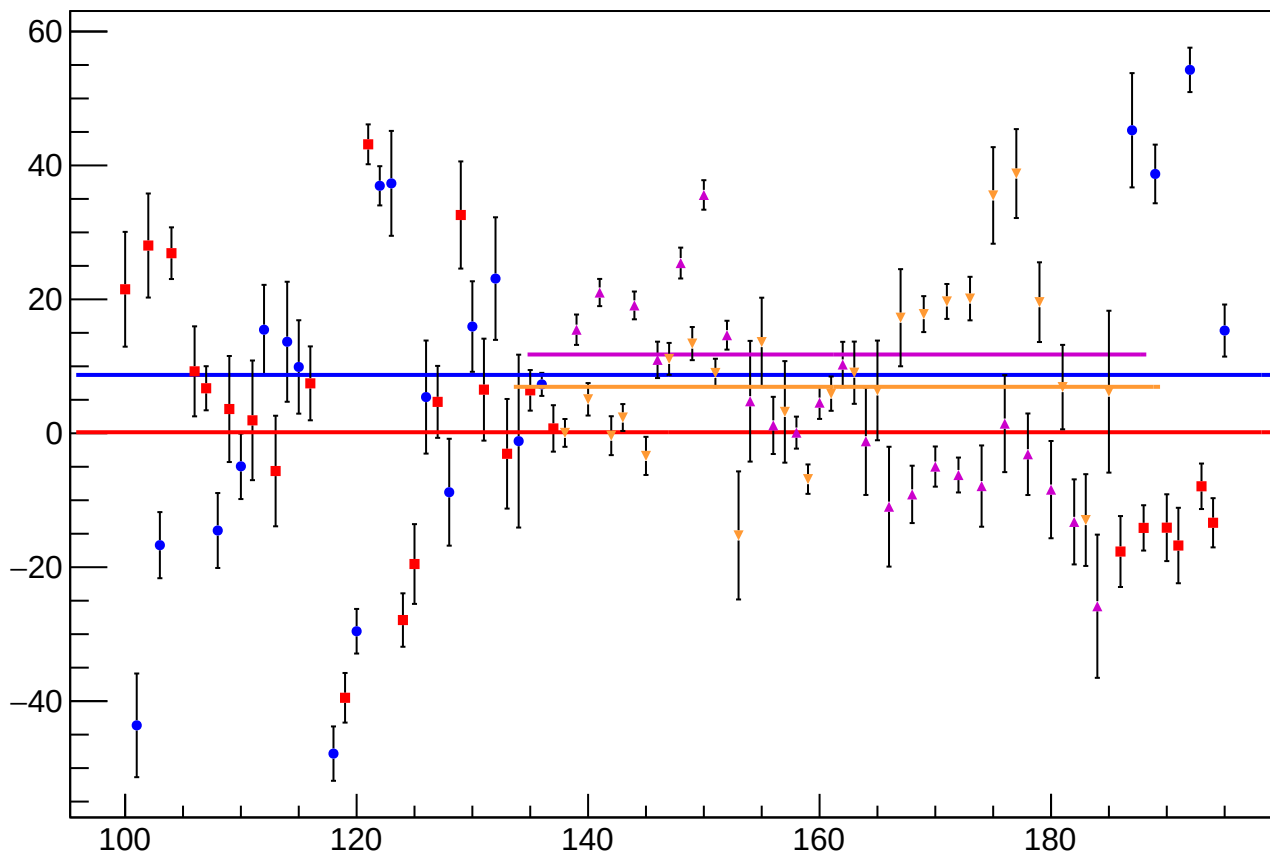
Left In: 10335.399 $\pm$ 1.758 χ^2 /NDF:127173.0/22

+ sign 10113.503 $\pm$ 1.368 χ^2 /NDF: 316504.5/45

All: 10098.864 $\pm$ 0.962 χ^2 /NDF: 573147.4/93

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

diff_bpm0l02Y_mean vs Slug



Right In: 8.717 ± 0.953 $\chi^2/\text{NDF}: 797.9/20$

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

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

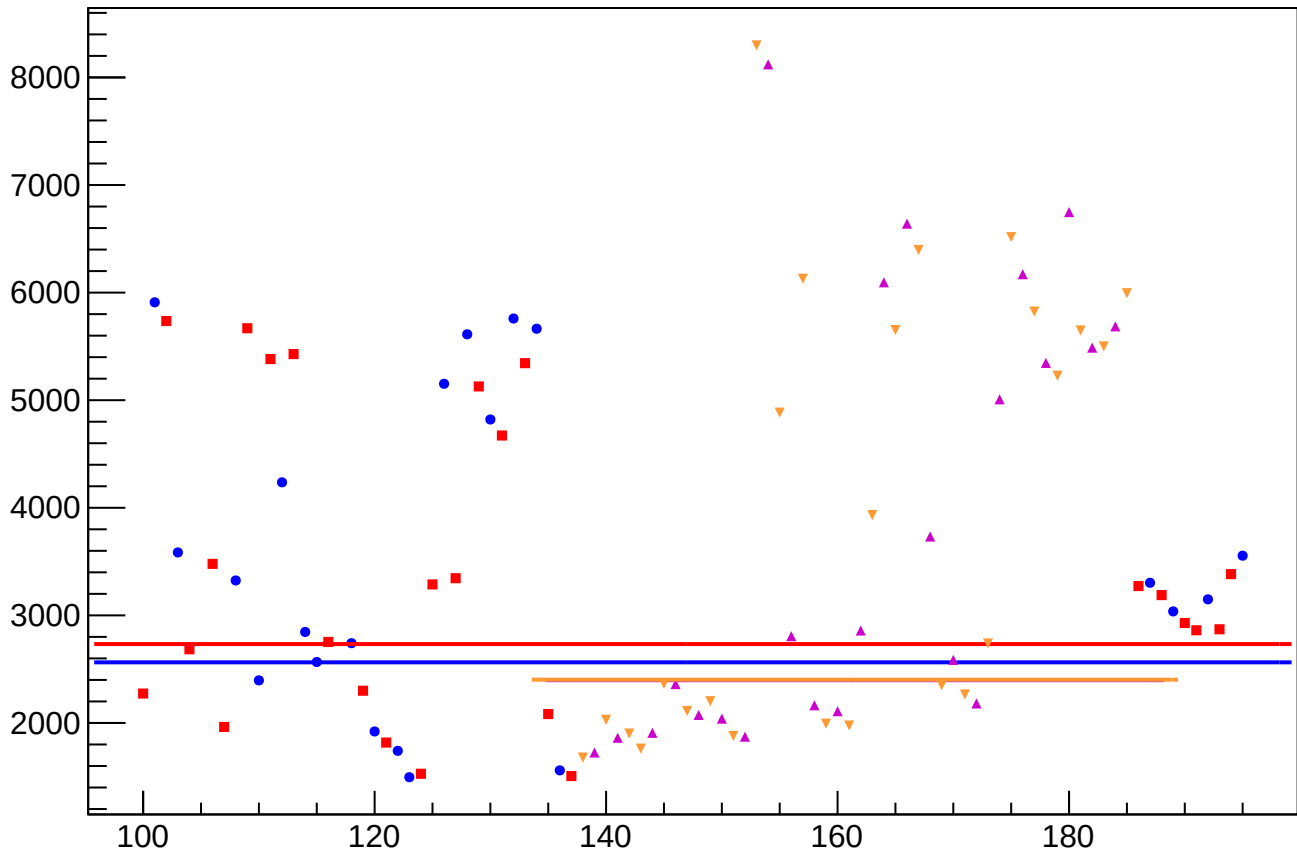
Left In: 11.766 ± 0.648 $\chi^2/\text{NDF}: 395.1/22$

+ sign 7.490 ± 0.531 $\chi^2/\text{NDF}: 1004.1/45$

All: 7.689 ± 0.375 $\chi^2/\text{NDF}: 2053.3/93$

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

diff_bpm0l02Y_rms vs Slug



Right In: 2563.505 $\pm$ 0.674 χ^2 /NDF: 2873160.7/20

Left Out: 2402.359 $\pm$ 0.452 χ^2 /NDF: 6345982.8/24

Right Out: 2733.425 $\pm$ 0.647 χ^2 /NDF: 2526493.1/24

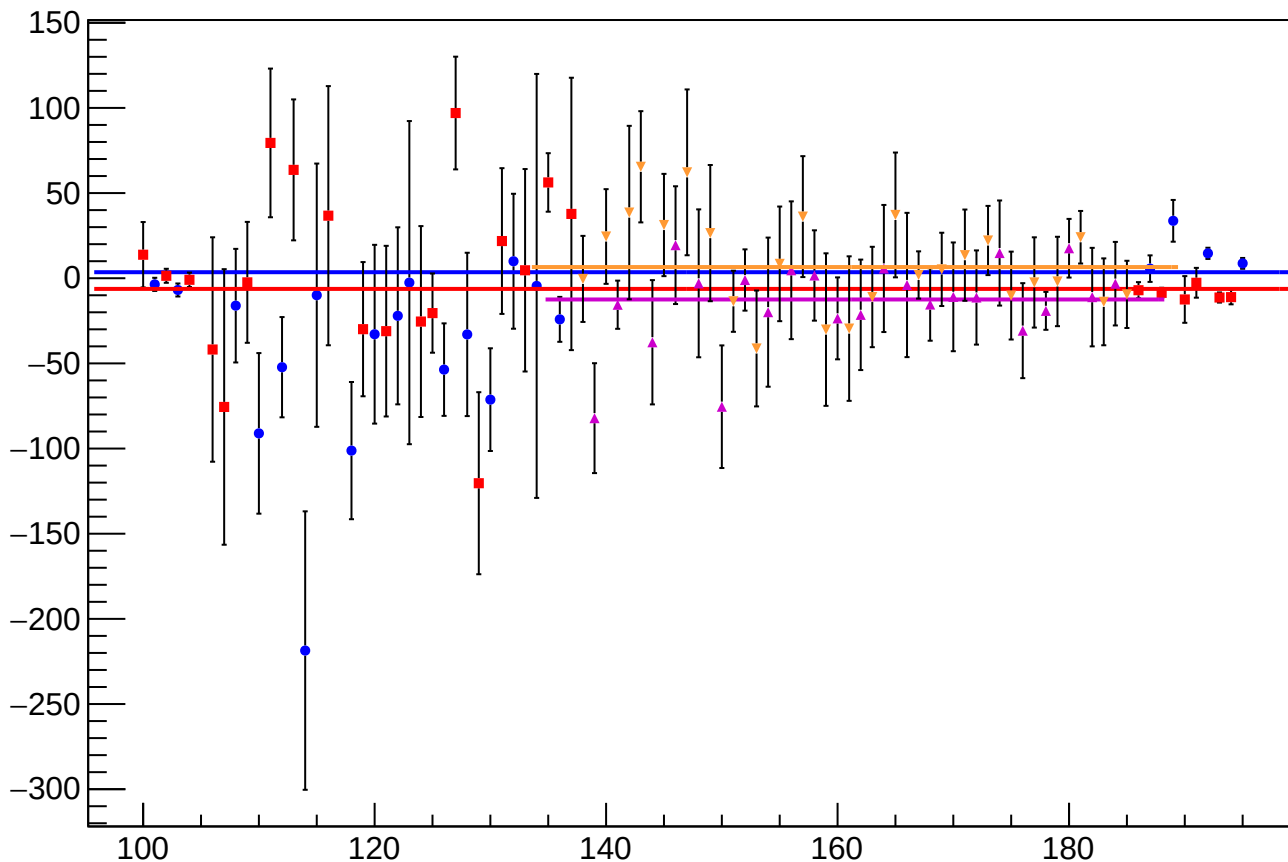
Left In: 2397.701 $\pm$ 0.458 χ^2 /NDF: 5398920.1/22

+ sign 2452.309 $\pm$ 0.375 χ^2 /NDF: 9258600.4/45

All: 2481.188 $\pm$ 0.265 χ^2 /NDF: 17375041.0/9

- sign 2509.898 $\pm$ 0.374 χ^2 /NDF: 8104626.1/47

diff_bpm0l03X_mean vs Slug



Right In: 3.539 ± 1.658 χ^2/NDF : 69.5/20

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

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

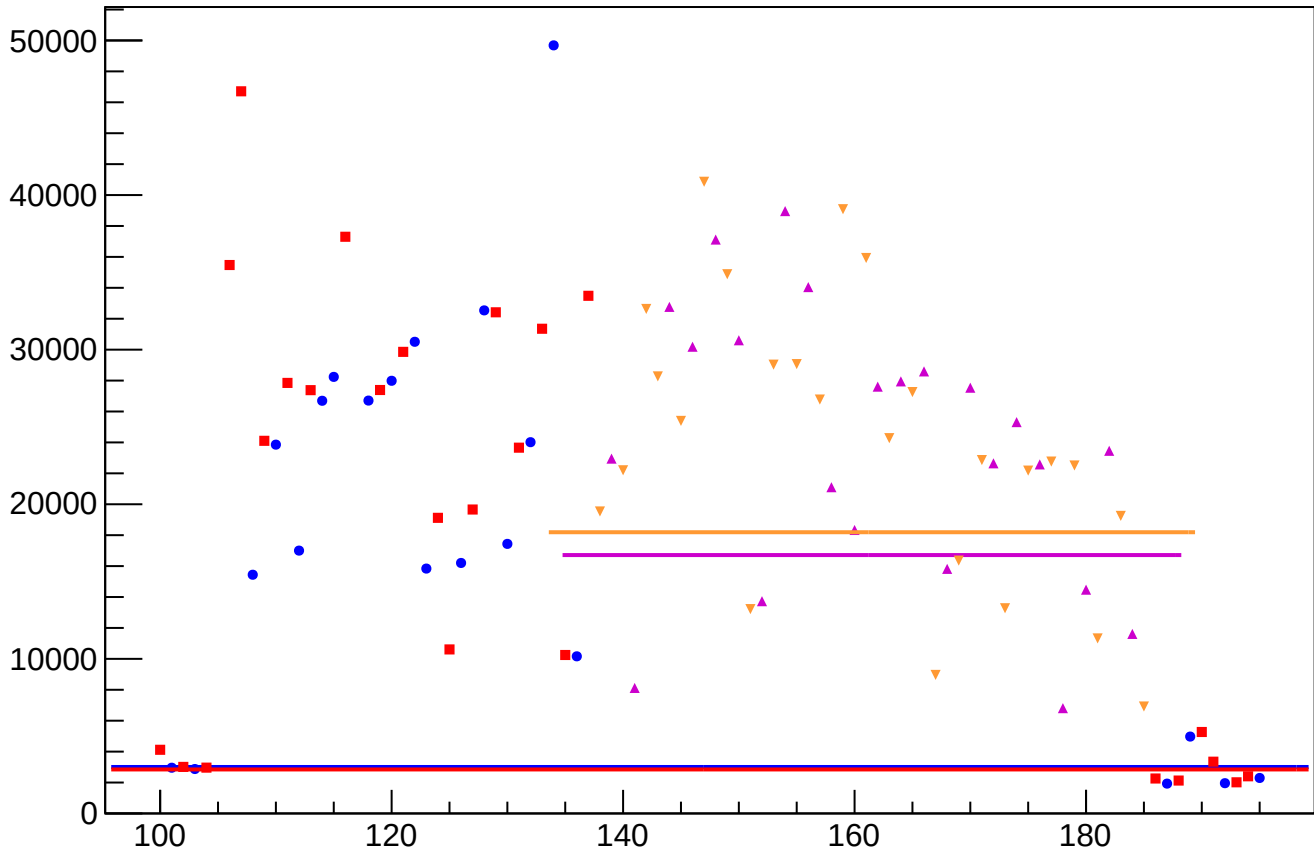
Left In: -12.469 ± 5.025 χ^2/NDF : 15.4/22

+ sign 3.830 ± 1.576 χ^2/NDF : 86.6/45

All: -2.087 ± 1.046 χ^2/NDF : 177.4/93

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

diff_bpm0l03X_rms vs Slug



Right In: 3005.758 ± 1.172 $\chi^2/\text{NDF}: 6761939.5/20$

Left Out: 18190.387 ± 3.590 $\chi^2/\text{NDF}: 5261328.5/24$

Right Out: 2846.429 ± 1.029 $\chi^2/\text{NDF}: 8447763.1/24$

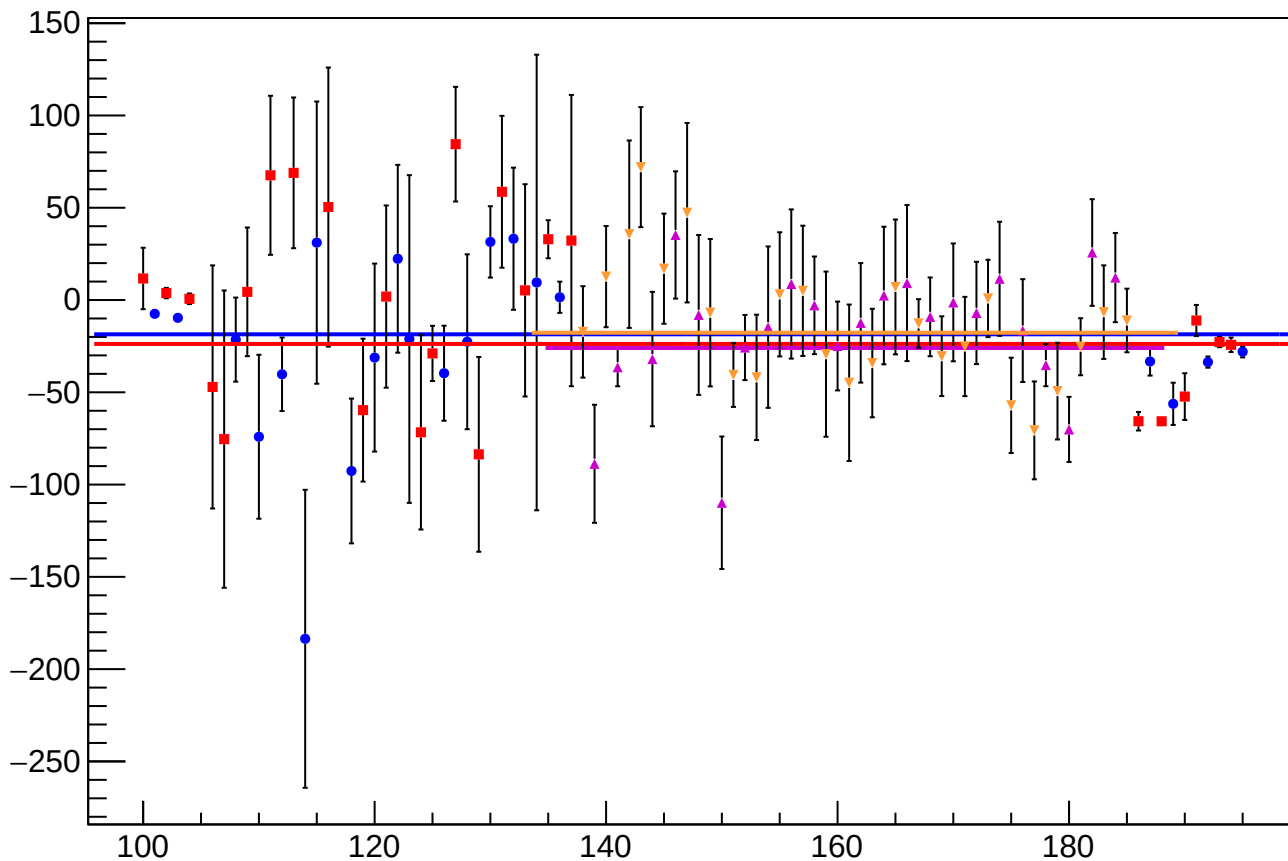
Left In: 16713.653 ± 3.553 $\chi^2/\text{NDF}: 6194178.8/22$

+ sign 4468.704 ± 1.114 $\chi^2/\text{NDF}: 28187449.3/45$

All: 4161.738 ± 0.740 $\chi^2/\text{NDF}: 57015462.6/9$

- sign 3920.093 ± 0.989 $\chi^2/\text{NDF}: 28692408.8/47$

diff_bpm0l03Y_mean vs Slug



Right In: -18.572 ± 1.342 χ^2/NDF : 104.5/20

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

Right Out: -23.784 ± 1.227 χ^2/NDF : 553.0/24

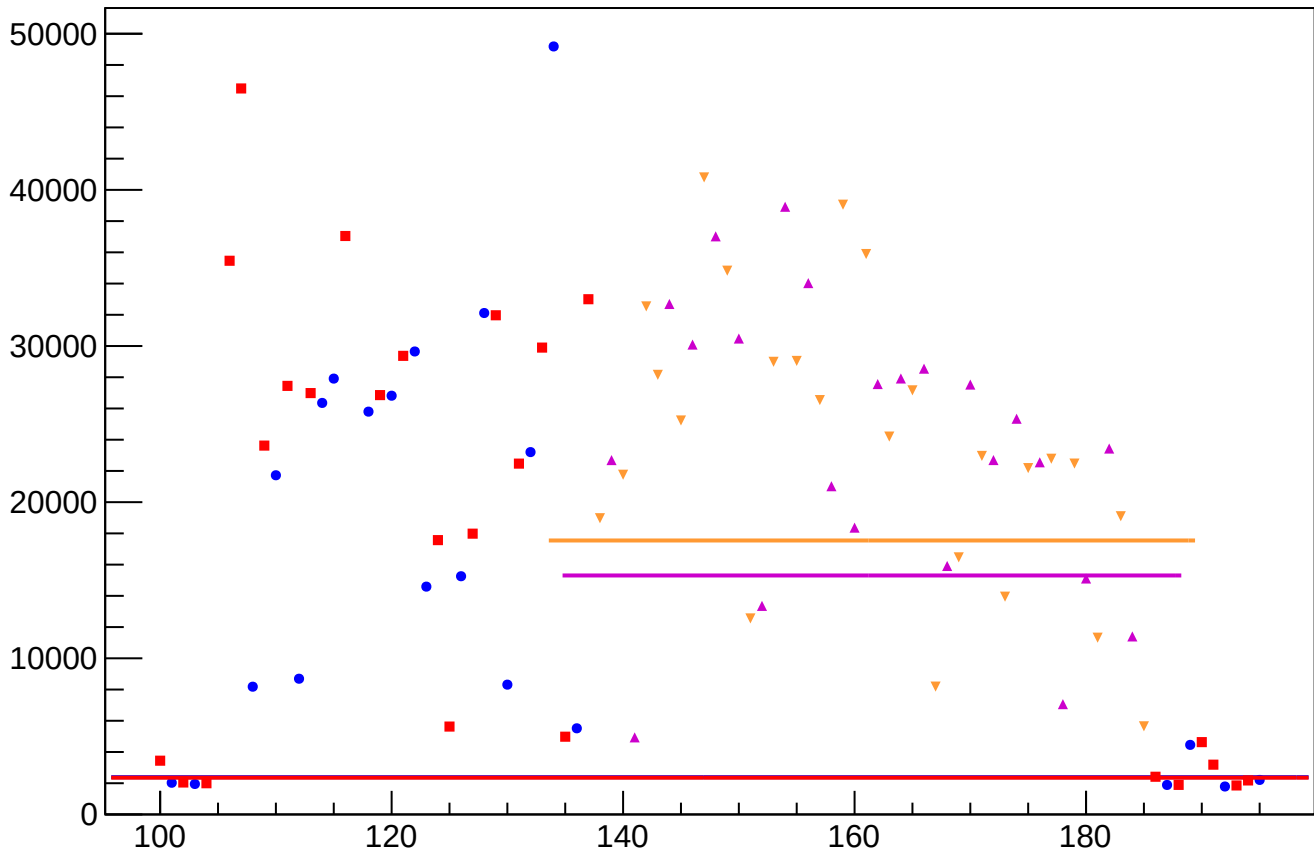
Left In: -25.991 ± 4.789 χ^2/NDF : 32.6/22

+ sign -18.514 ± 1.296 χ^2/NDF : 131.7/45

All: -21.449 ± 0.876 χ^2/NDF : 726.9/93

- sign -23.920 ± 1.189 χ^2/NDF : 585.8/47

diff_bpm0l03Y_rms vs Slug



Right In: 2386.455+/-0.949 χ^2/NDF : 5764357.3/20

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

Right Out: 2355.894+/-0.868 χ^2/NDF : 8118467.7/24

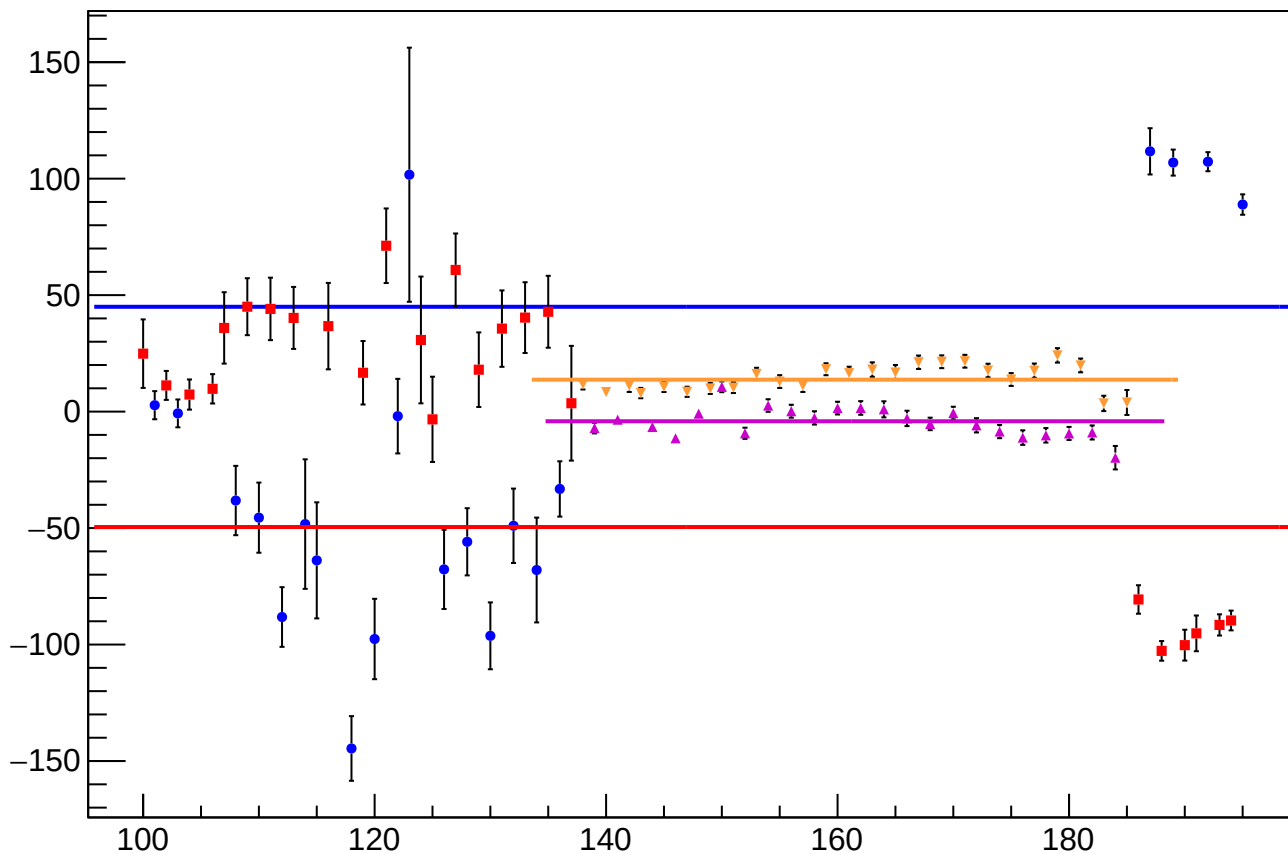
Left In: 15305.311+/-3.386 χ^2/NDF : 7721177.0/22

+ sign 3414.832+/-0.916 χ^2/NDF : 28983198.4/45

All: 3272.956+/-0.619 χ^2/NDF : 58590086.4/9

- sign 3153.550+/-0.840 χ^2/NDF : 29562717.3/47

diff_bpm0l04X_mean vs Slug



Right In: 44.995+/-1.939 χ^2/NDF : 1370.5/20

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

Right Out: -49.546+/-1.651 χ^2/NDF : 1213.1/24

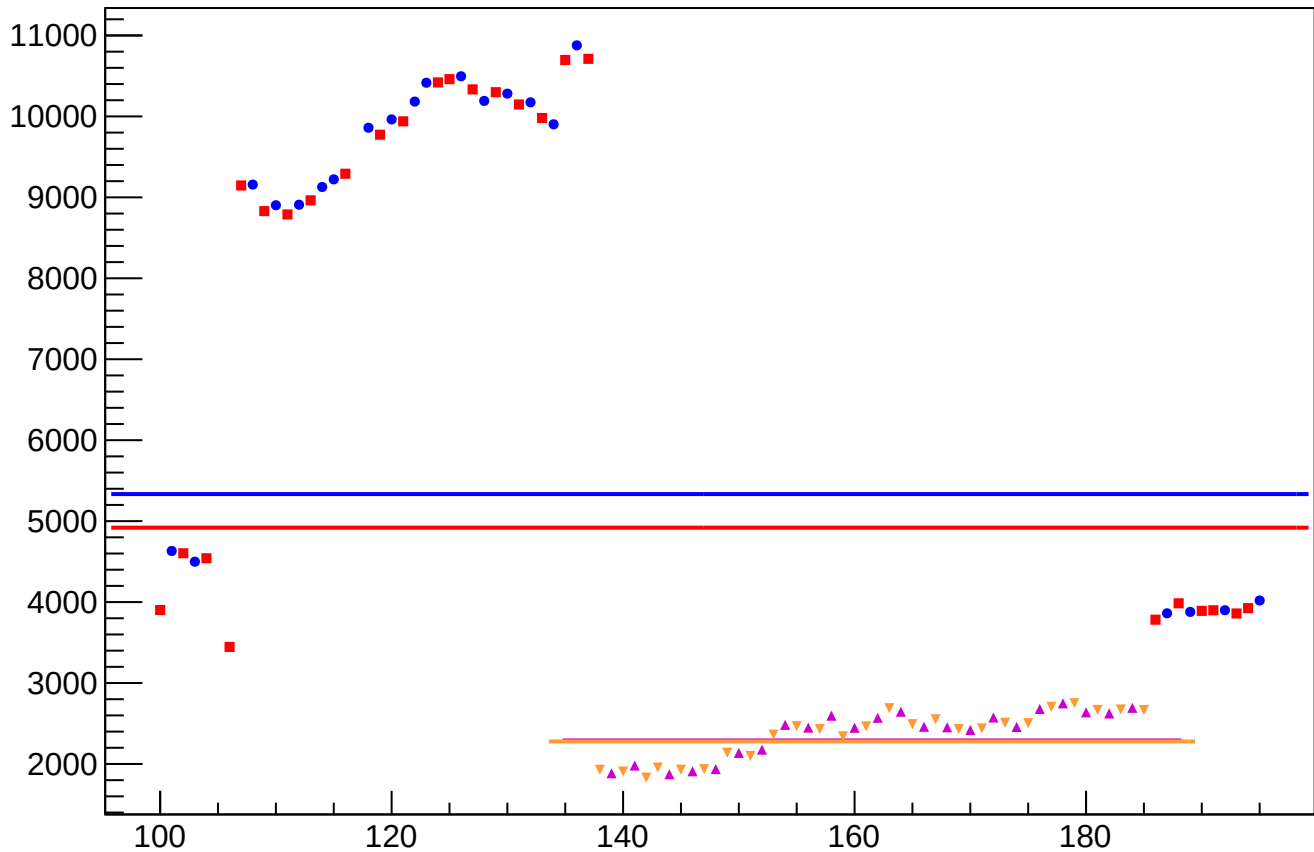
Left In: -4.141+/-0.555 χ^2/NDF : 111.7/22

+ sign 15.926+/-0.516 χ^2/NDF : 1702.4/45

All: 3.825+/-0.368 χ^2/NDF : 4828.1/93

- sign -8.747+/-0.526 χ^2/NDF : 2004.2/47

diff_bpm0l04X_rms vs Slug



Right In: 5334.394+/-1.371 χ^2 /NDF: 3066118.7/20

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

Right Out: 4919.281+/-1.168 χ^2 /NDF: 3416994.2/24

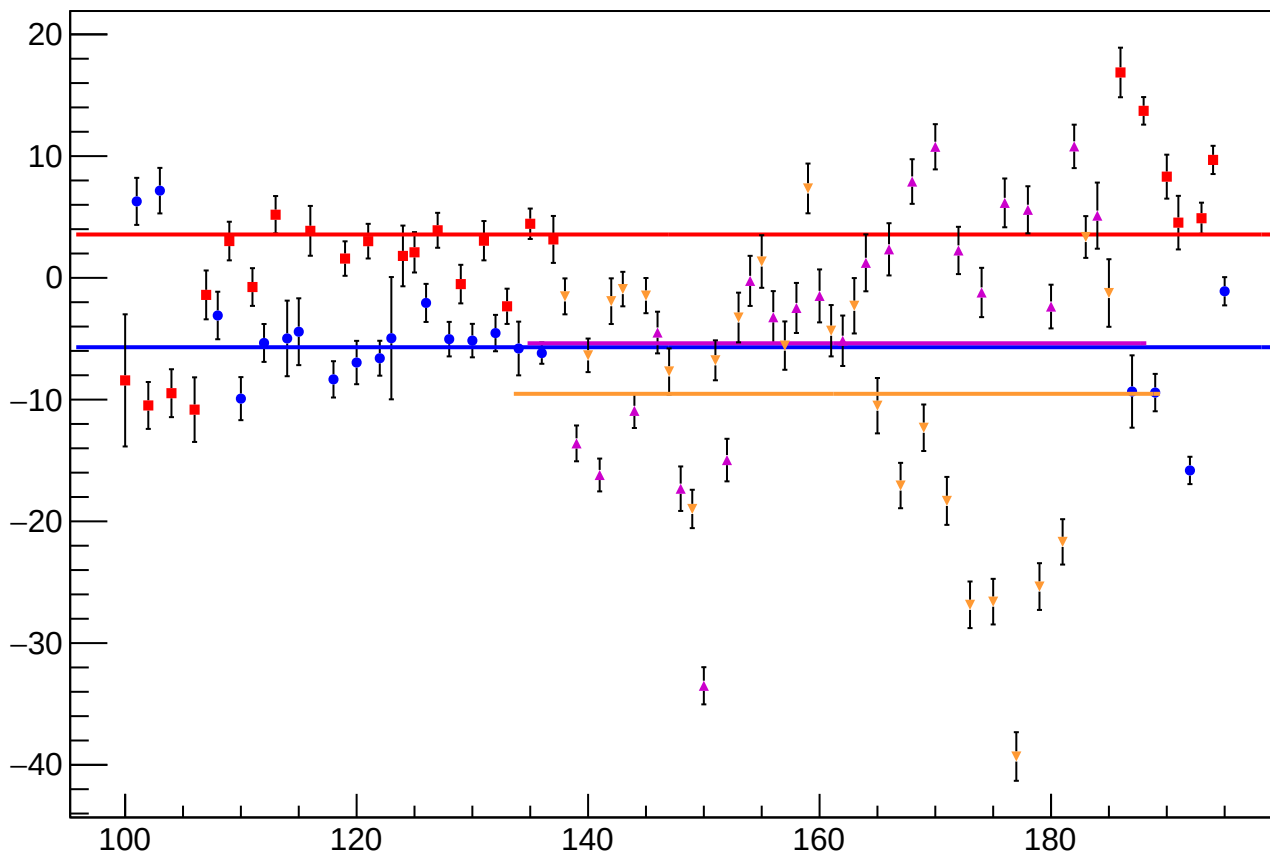
Left In: 2290.461+/-0.392 χ^2 /NDF:590272.1/22

+ sign 2494.594+/-0.365 χ^2 /NDF: 8291983.0/45

All: 2525.267+/-0.260 χ^2 /NDF: 16868761.9/9

- sign 2557.136+/-0.372 χ^2 /NDF: 8562366.3/47

diff_bpm0l04Y_mean vs Slug



Right In: -5.697 ± 0.342 χ^2/NDF : 208.6/20

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

Right Out: 3.563 ± 0.325 χ^2/NDF : 333.0/24

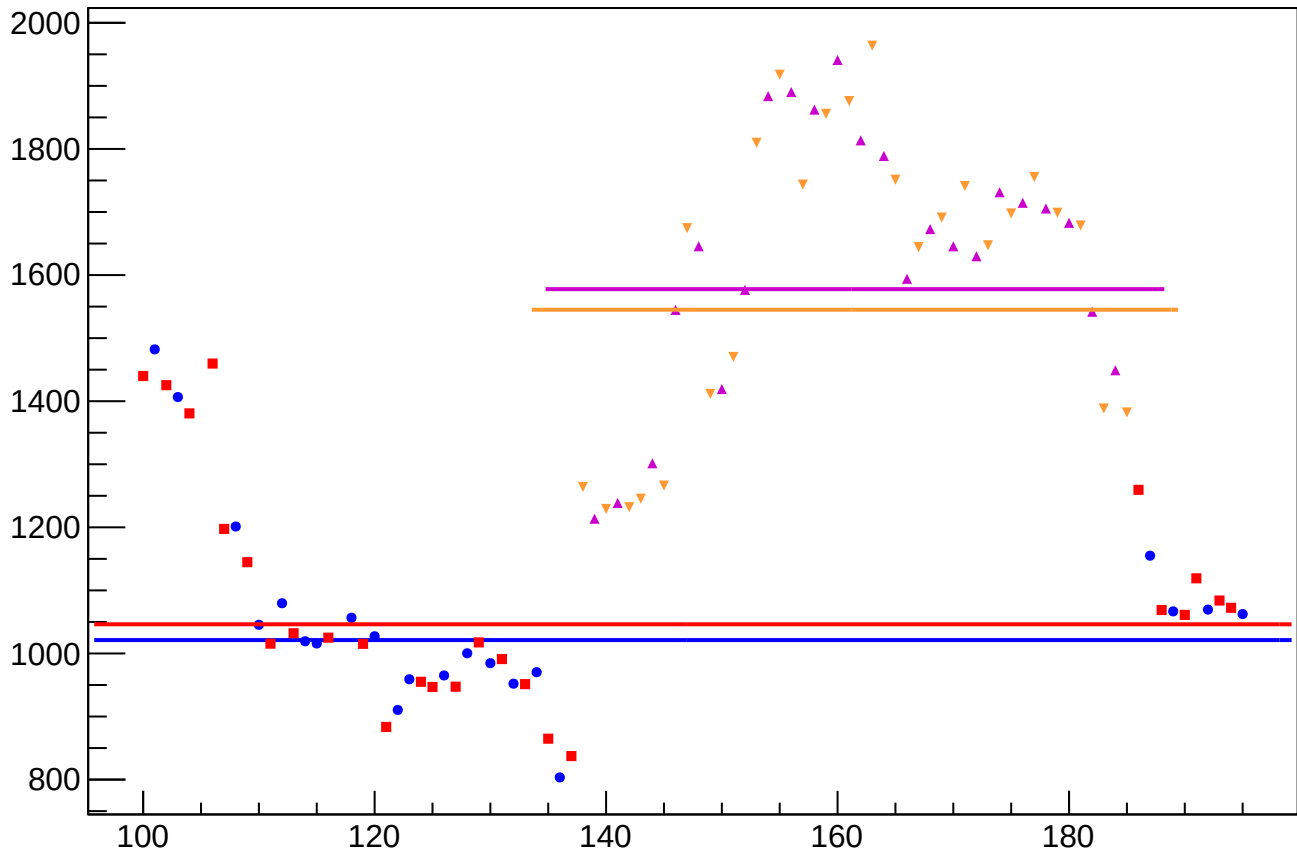
Left In: -5.372 ± 0.383 χ^2/NDF : 869.8/22

+ sign -7.489 ± 0.250 χ^2/NDF : 1151.2/45

All: -3.802 ± 0.176 χ^2/NDF : 3103.8/93

- sign -0.173 ± 0.248 χ^2/NDF : 1519.6/47

diff_bpm0l04Y_rms vs Slug



Right In: 1021.232 $\pm$ 0.242 χ^2 /NDF: 377280.0/20

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

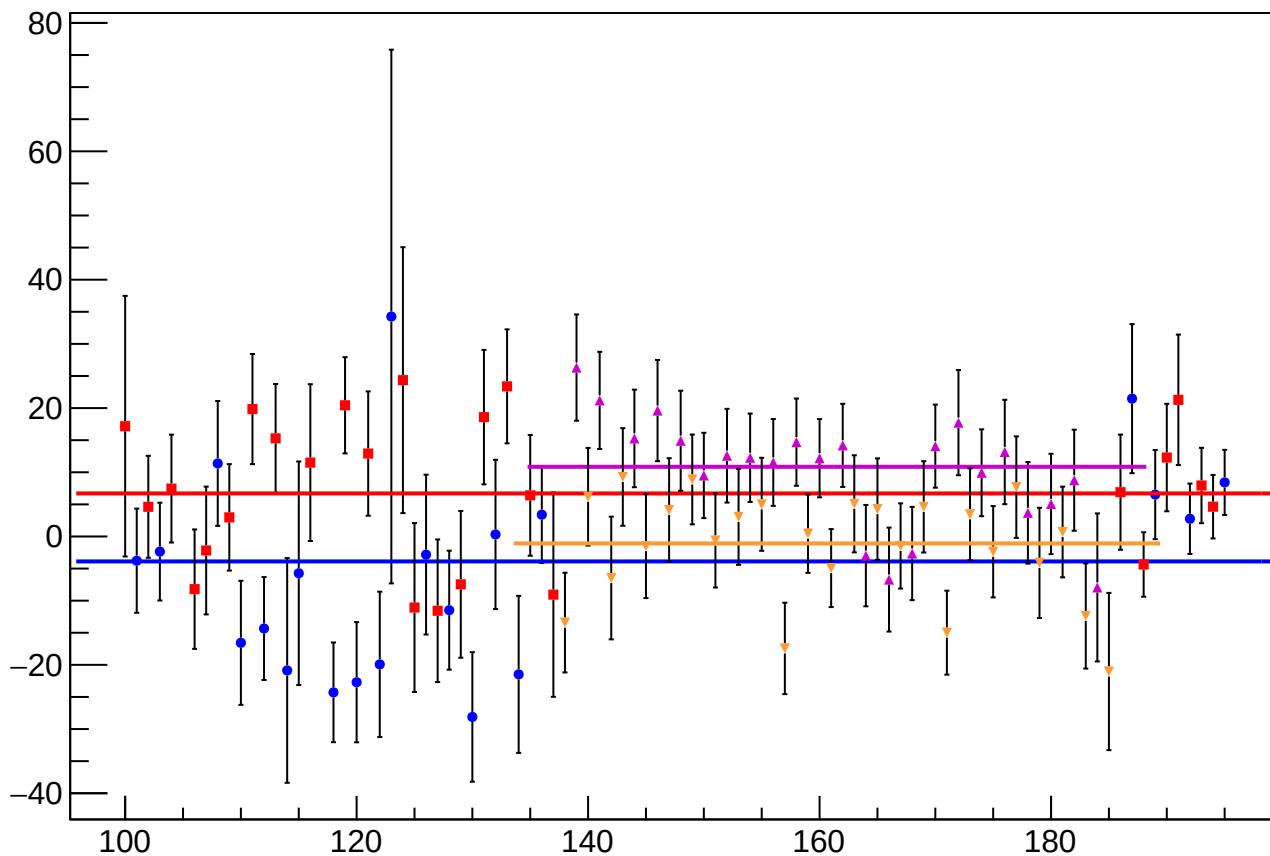
Left In: 1577.685 $\pm$ 0.271 χ^2 /NDF: 625406.2/22

+ sign 1266.472 $\pm$ 0.176 χ^2 /NDF: 3413379.1/45

All: 1267.471 $\pm$ 0.124 χ^2 /NDF: 6646697.6/93

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

diff_bpm0l05X_mean vs Slug



Right In: -3.887 ± 1.917 $\chi^2/\text{NDF}: 44.6/20$

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

Right Out: 6.706 ± 1.720 $\chi^2/\text{NDF}: 31.4/24$

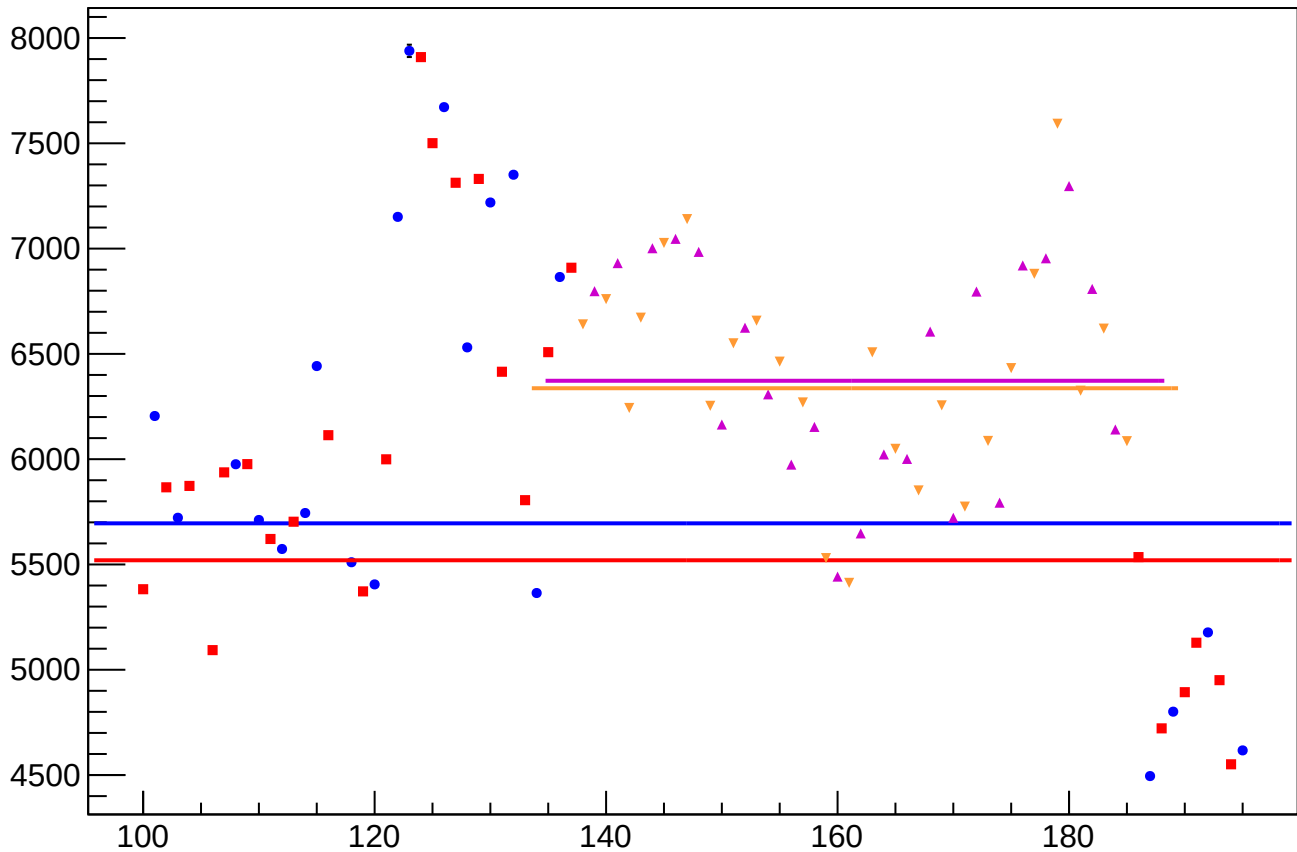
Left In: 10.851 ± 1.542 $\chi^2/\text{NDF}: 24.4/22$

+ sign -2.137 ± 1.175 $\chi^2/\text{NDF}: 73.5/45$

All: 3.563 ± 0.821 $\chi^2/\text{NDF}: 178.4/93$

- sign 9.004 ± 1.148 $\chi^2/\text{NDF}: 59.0/47$

diff_bpm0l05X_rms vs Slug



Right In: 5695.313+/-1.355 χ^2/NDF : 421226.0/20

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

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

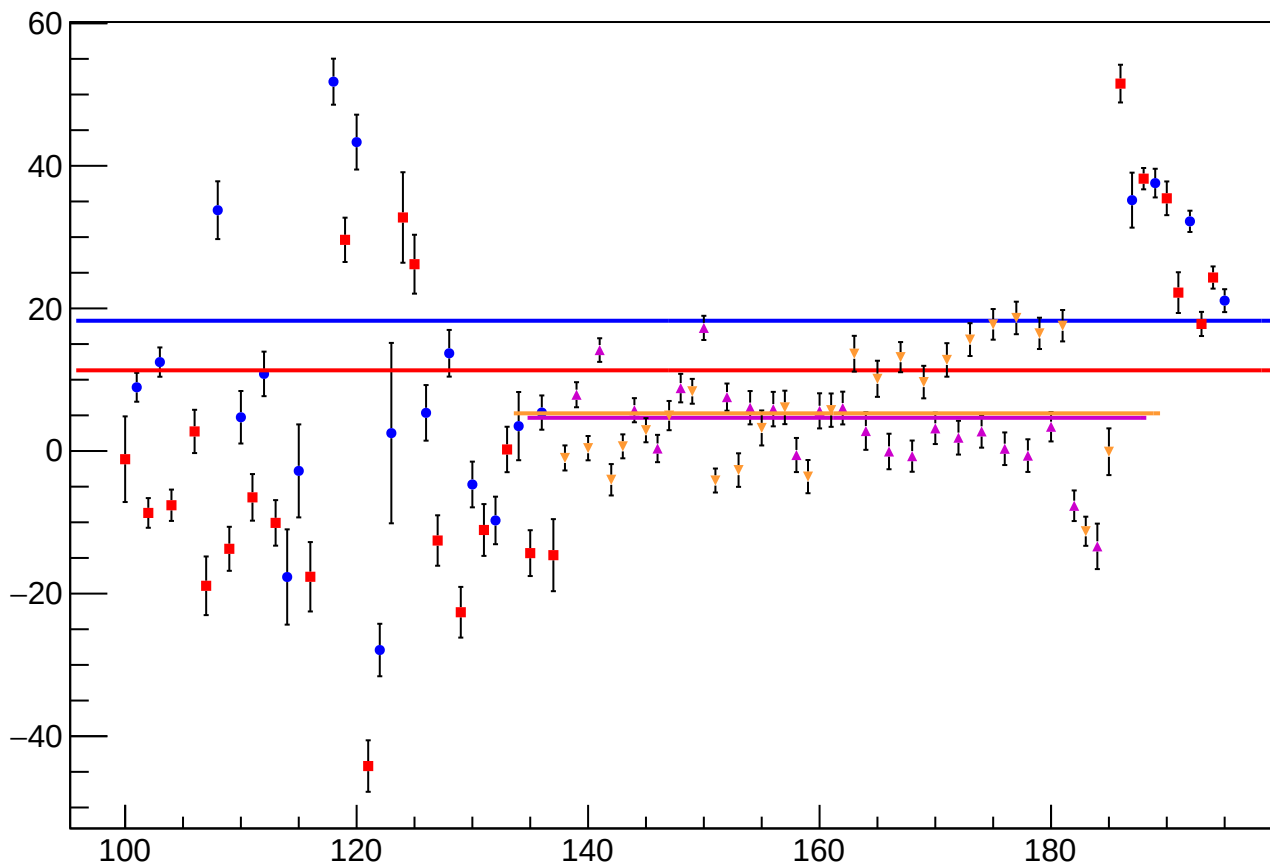
Left In: 6372.349+/-1.090 χ^2/NDF : 247257.0/22

+ sign 6095.792+/-0.831 χ^2/NDF : 784009.0/45

All: 6042.944+/-0.581 χ^2/NDF : 1732929.9/93

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

diff_bpm0l05Y_mean vs Slug



Right In: 18.270 $\pm$ 0.606 χ^2 /NDF: 786.7/20

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

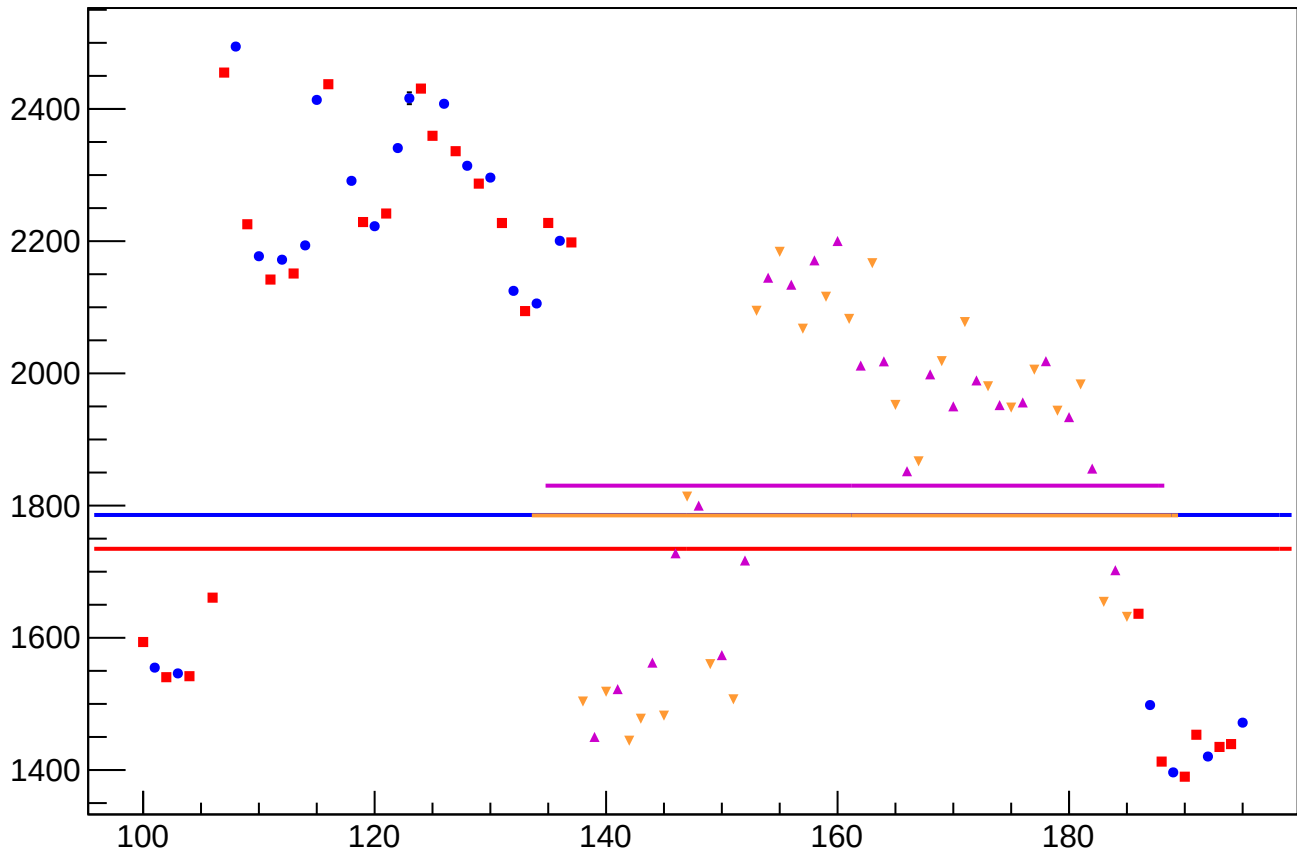
Left In: 4.657 $\pm$ 0.443 χ^2 /NDF: 196.5/22

+ sign 9.506 $\pm$ 0.346 χ^2 /NDF: 1462.5/45

All: 8.400 $\pm$ 0.244 χ^2 /NDF: 3506.8/93

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

diff_bpm0l05Y_rms vs Slug



Right In: 1785.817 $\pm$ 0.429 χ^2 /NDF: 844248.7/20

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

Right Out: 1734.638 $\pm$ 0.386 χ^2 /NDF: 937878.0/24

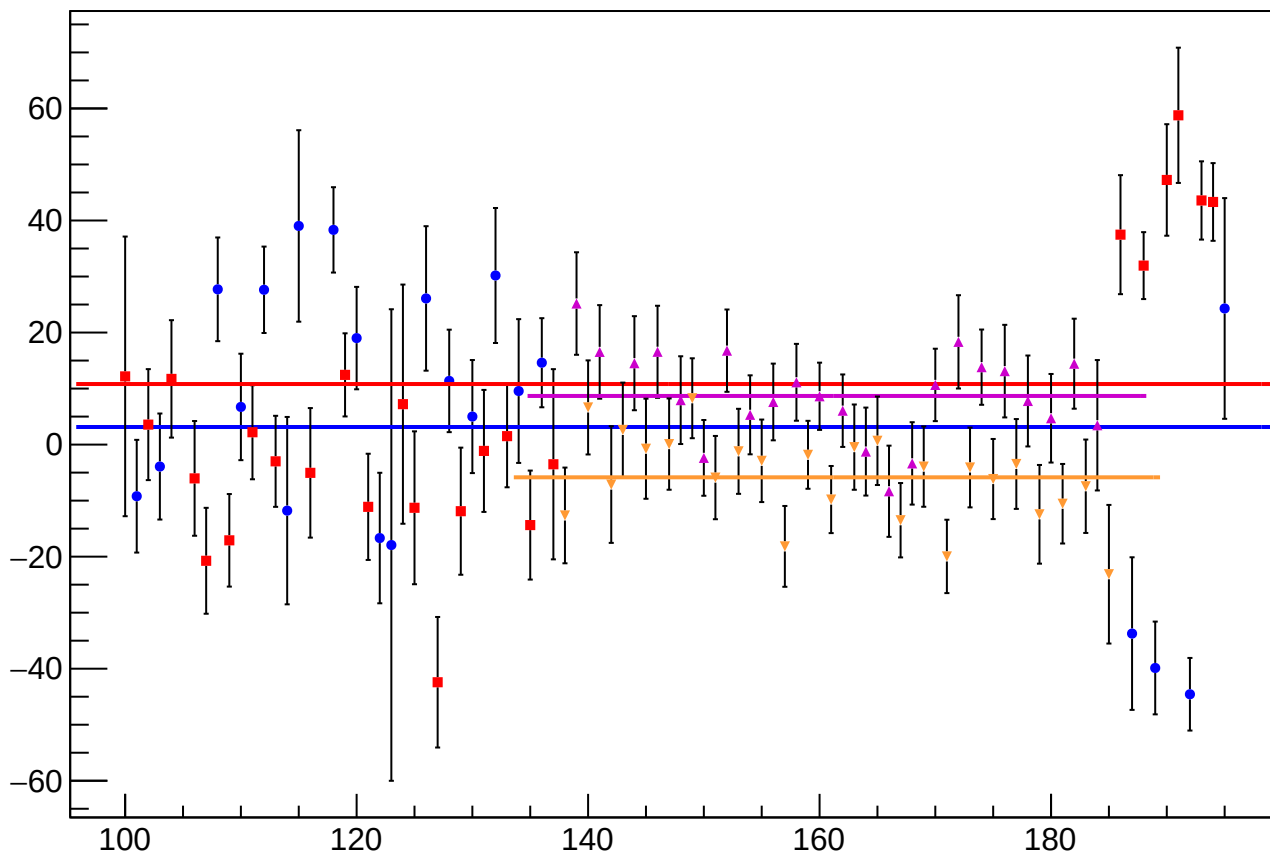
Left In: 1830.160 $\pm$ 0.313 χ^2 /NDF: 508391.9/22

+ sign 1785.387 $\pm$ 0.244 χ^2 /NDF: 1594878.3/45

All: 1788.799 $\pm$ 0.172 χ^2 /NDF: 3078450.8/93

- sign 1792.182 $\pm$ 0.243 χ^2 /NDF: 1483184.2/47

diff_bpm0l06X_mean vs Slug



Right In: 3.140 ± 2.194 χ^2/NDF : 153.1/20

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

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

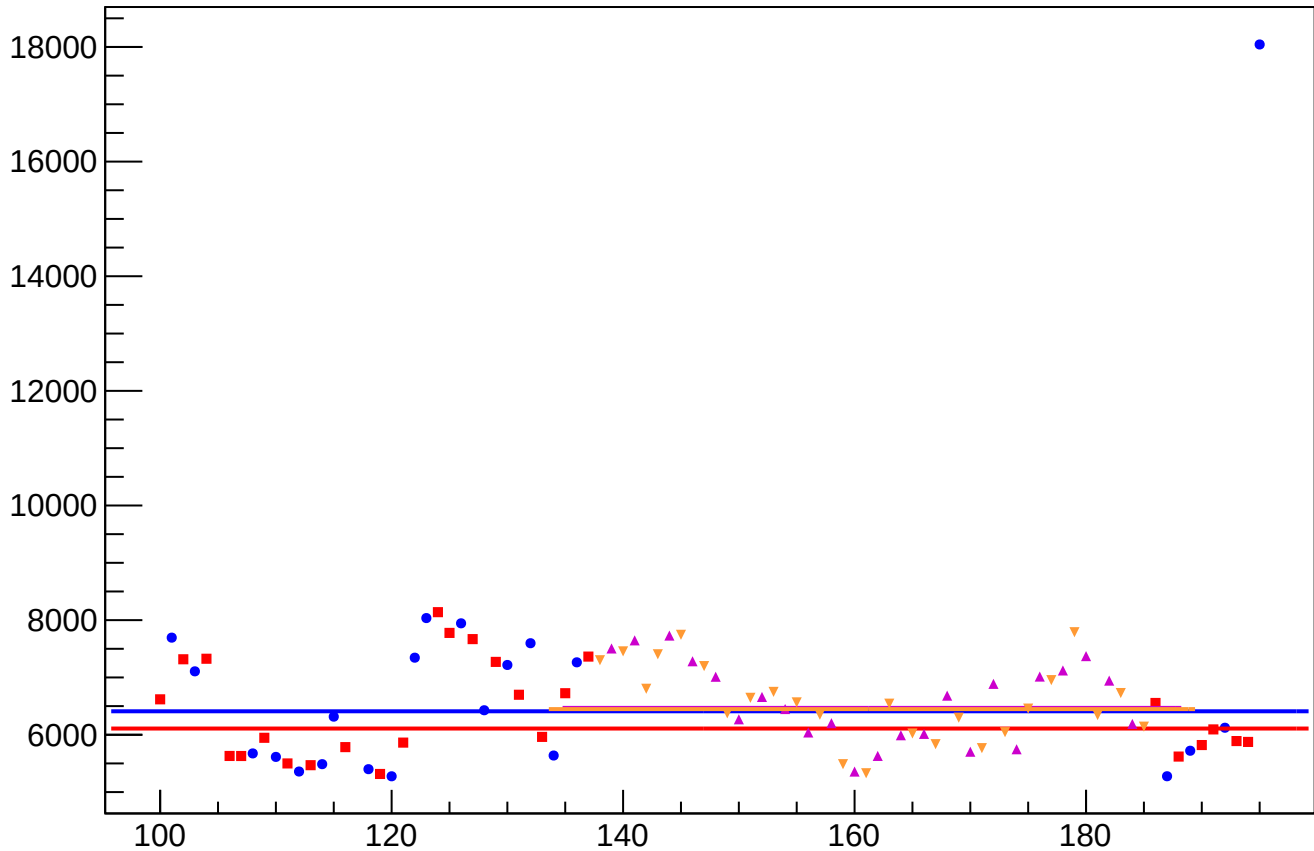
Left In: 8.683 ± 1.571 χ^2/NDF : 21.9/22

+ sign -2.933 ± 1.249 χ^2/NDF : 187.7/45

All: 3.488 ± 0.870 χ^2/NDF : 427.9/93

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

diff_bpm0l06X_rms vs Slug



Right In: 6409.732 $\pm$ 1.552 χ^2 /NDF: 1015455.3/20

Left Out: 6447.712 $\pm$ 1.074 χ^2 /NDF: 371671.1/24

Right Out: 6108.618 $\pm$ 1.349 χ^2 /NDF: 269579.6/24

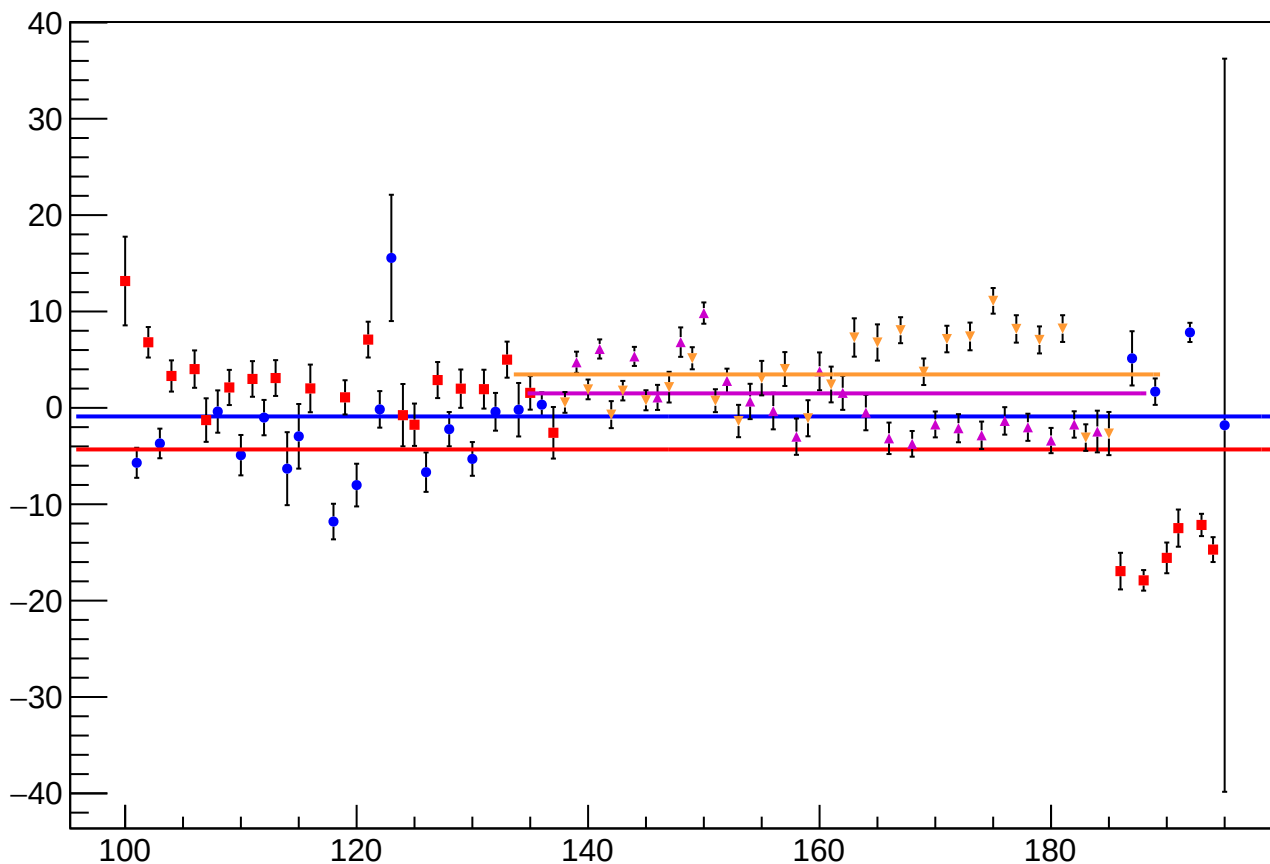
Left In: 6468.902 $\pm$ 1.111 χ^2 /NDF: 383325.4/22

+ sign 6435.415 $\pm$ 0.883 χ^2 /NDF: 1387531.6/45

All: 6377.756 $\pm$ 0.615 χ^2 /NDF: 2091236.6/93

- sign 6323.372 $\pm$ 0.857 χ^2 /NDF: 695416.6/47

diff_bpm0l06Y_mean vs Slug



Right In: -0.891 ± 0.406 χ^2/NDF : 171.3/20

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

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

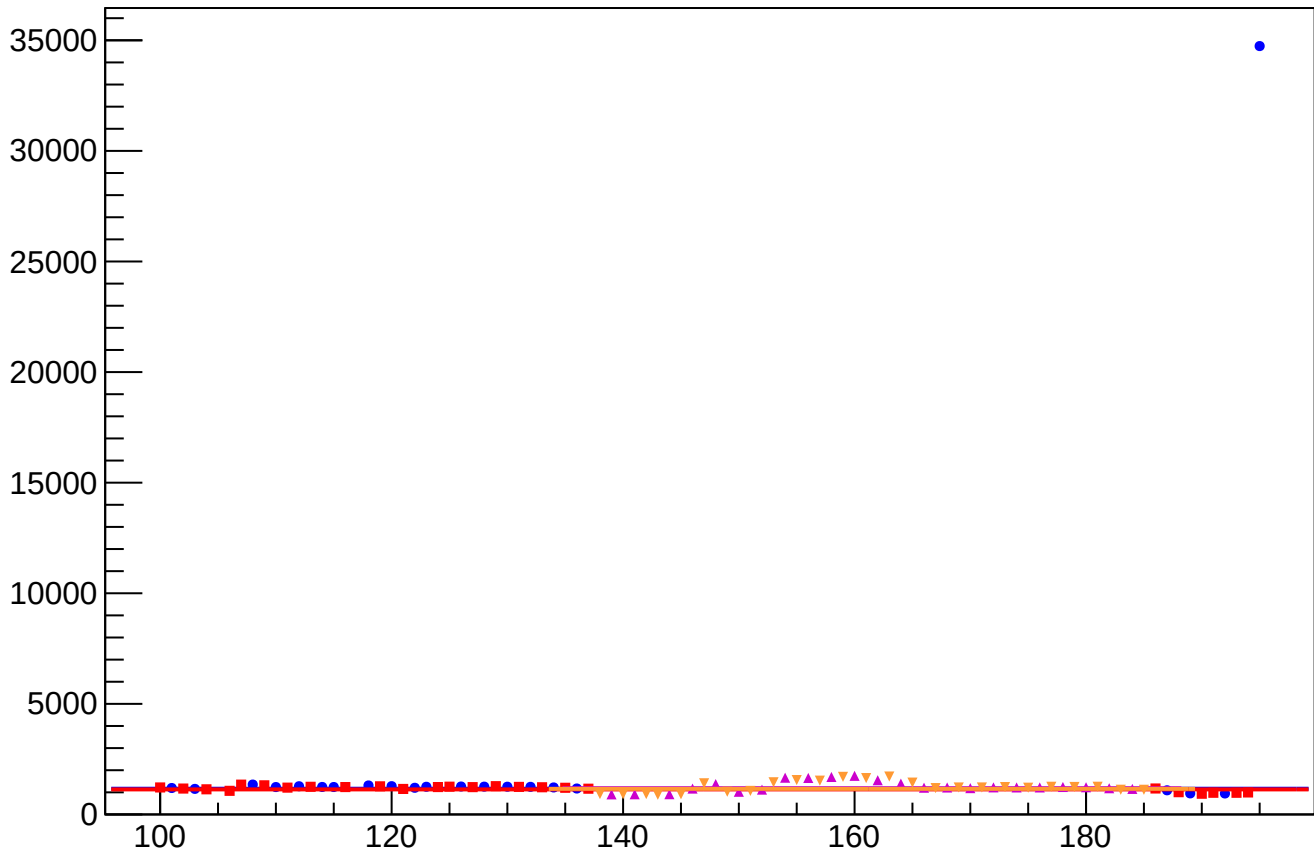
Left In: 1.502 ± 0.291 χ^2/NDF : 202.7/22

+ sign 2.088 ± 0.228 χ^2/NDF : 426.2/45

All: 0.603 ± 0.160 χ^2/NDF : 1535.1/93

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

diff_bpm0l06Y_rms vs Slug



Right In: 1162.851 $\pm$ 0.287 χ^2 /NDF: 1767665.0/20

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

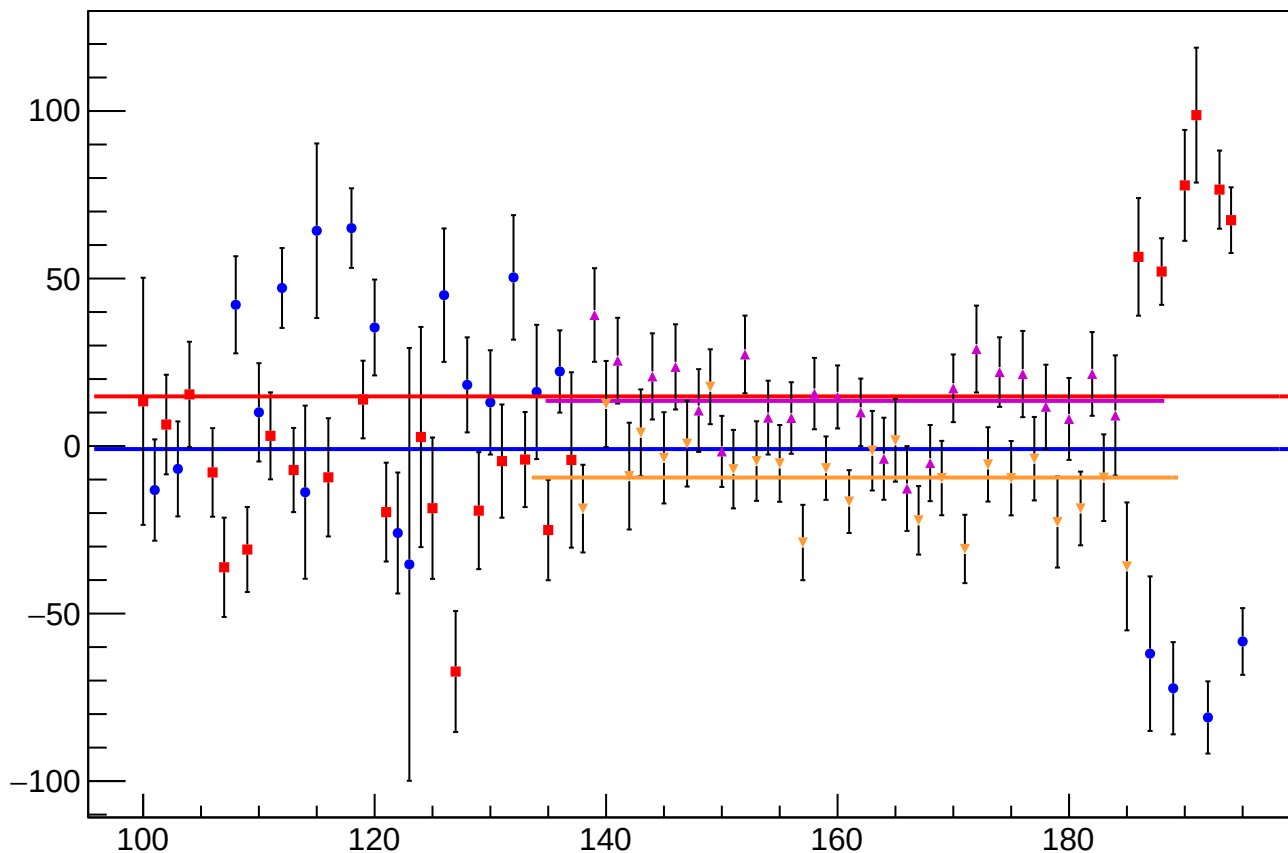
Left In: 1184.966 $\pm$ 0.206 χ^2 /NDF: 1190431.5/22

+ sign 1160.148 $\pm$ 0.162 χ^2 /NDF: 3178218.5/45

All: 1162.048 $\pm$ 0.113 χ^2 /NDF: 4636056.0/93

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

diff_bpm0l07X_mean vs Slug



Right In: -0.898 ± 3.270 χ^2/NDF : 214.6/20

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

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

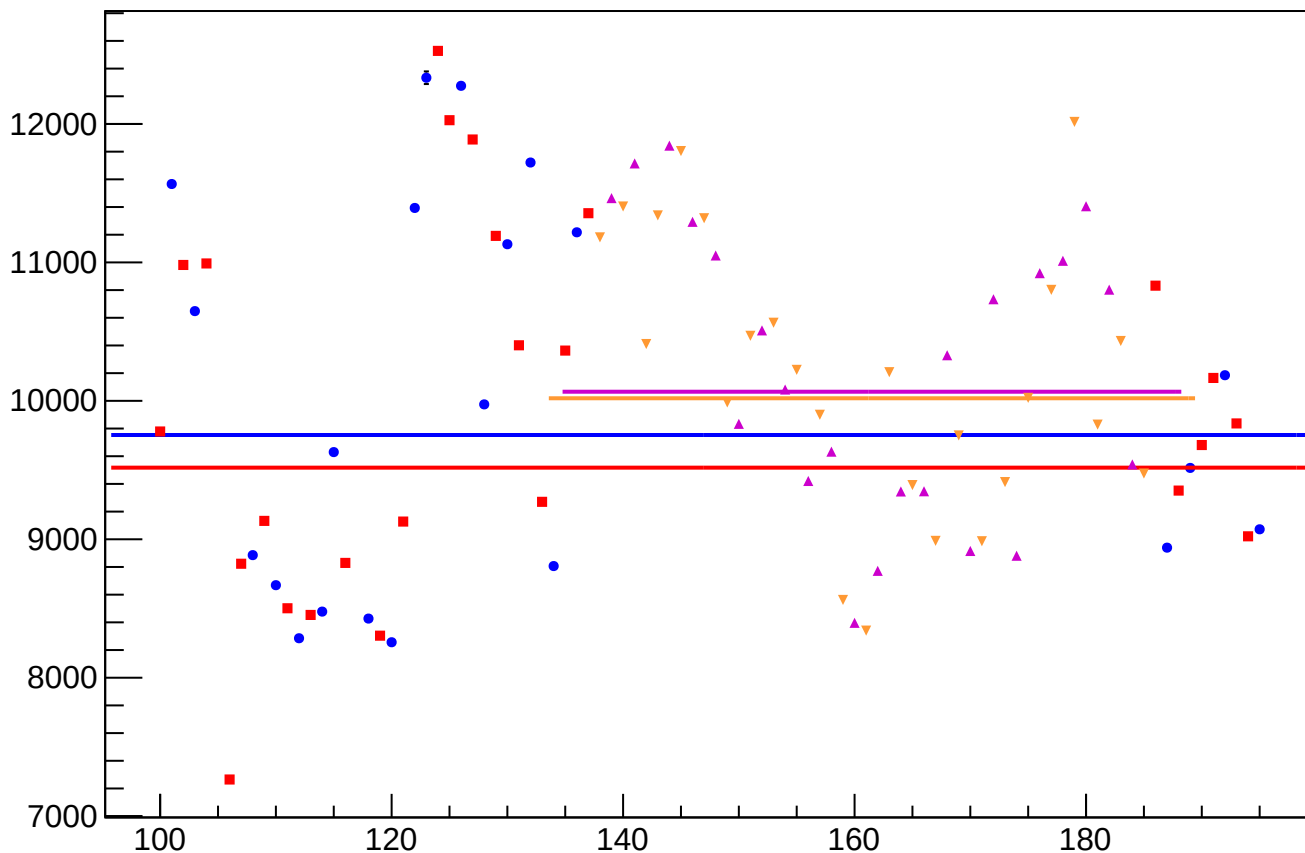
Left In: 13.485 ± 2.443 χ^2/NDF : 21.6/22

+ sign -6.489 ± 1.913 χ^2/NDF : 245.3/45

All: 3.931 ± 1.342 χ^2/NDF : 511.0/93

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

diff_bpm0l07X_rms vs Slug



Right In: 9753.301+/-2.312 χ^2/NDF : 275796.8/20

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

Right Out: 9517.444+/-2.090 χ^2/NDF : 295344.8/24

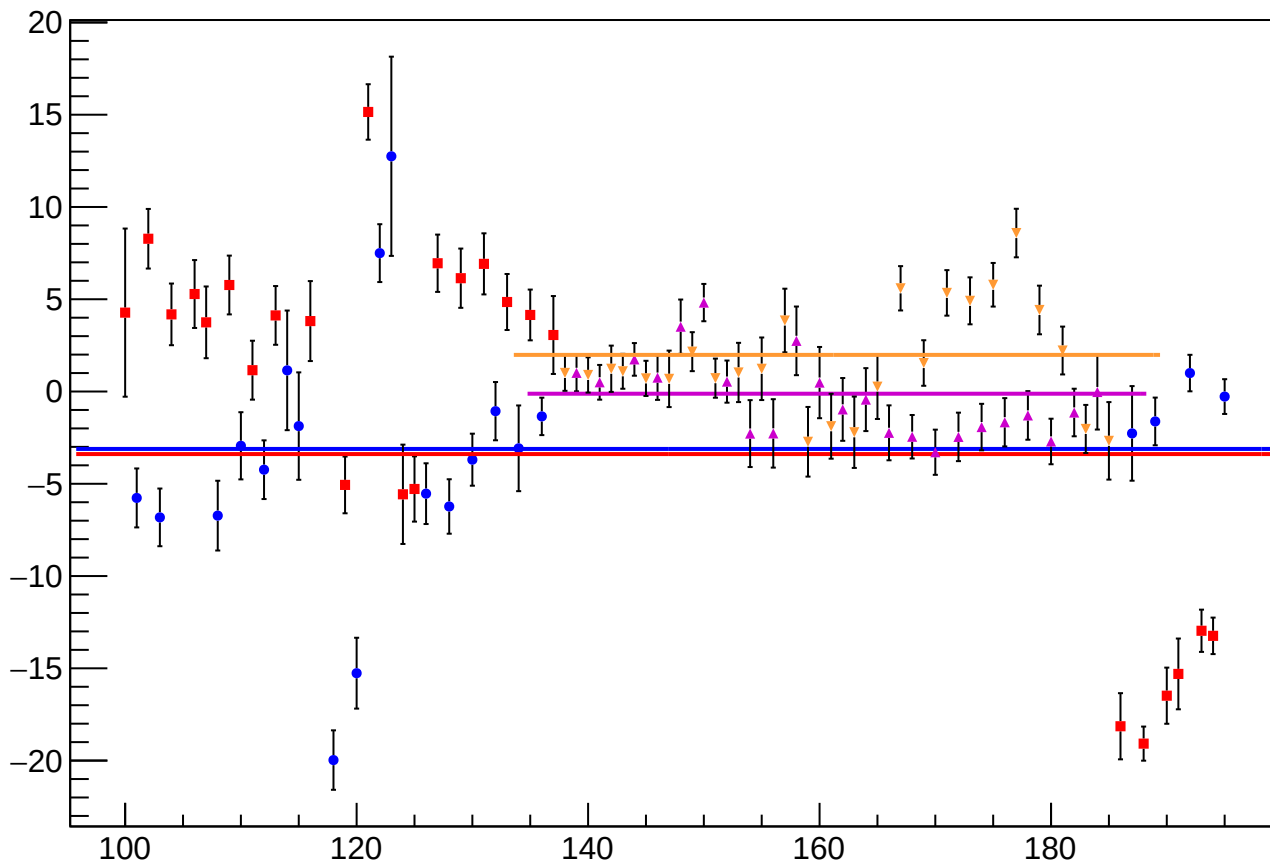
Left In: 10065.909+/-1.727 χ^2/NDF : 357868.9/22

+ sign 9927.793+/-1.353 χ^2/NDF : 628988.7/45

All: 9884.870+/-0.949 χ^2/NDF : 1325108.6/93

- sign 9843.283+/-1.331 χ^2/NDF : 694137.1/47

diff_bpm0l07Y_mean vs Slug



Right In: -3.112 ± 0.336 $\chi^2/\text{NDF}: 257.8/20$

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

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

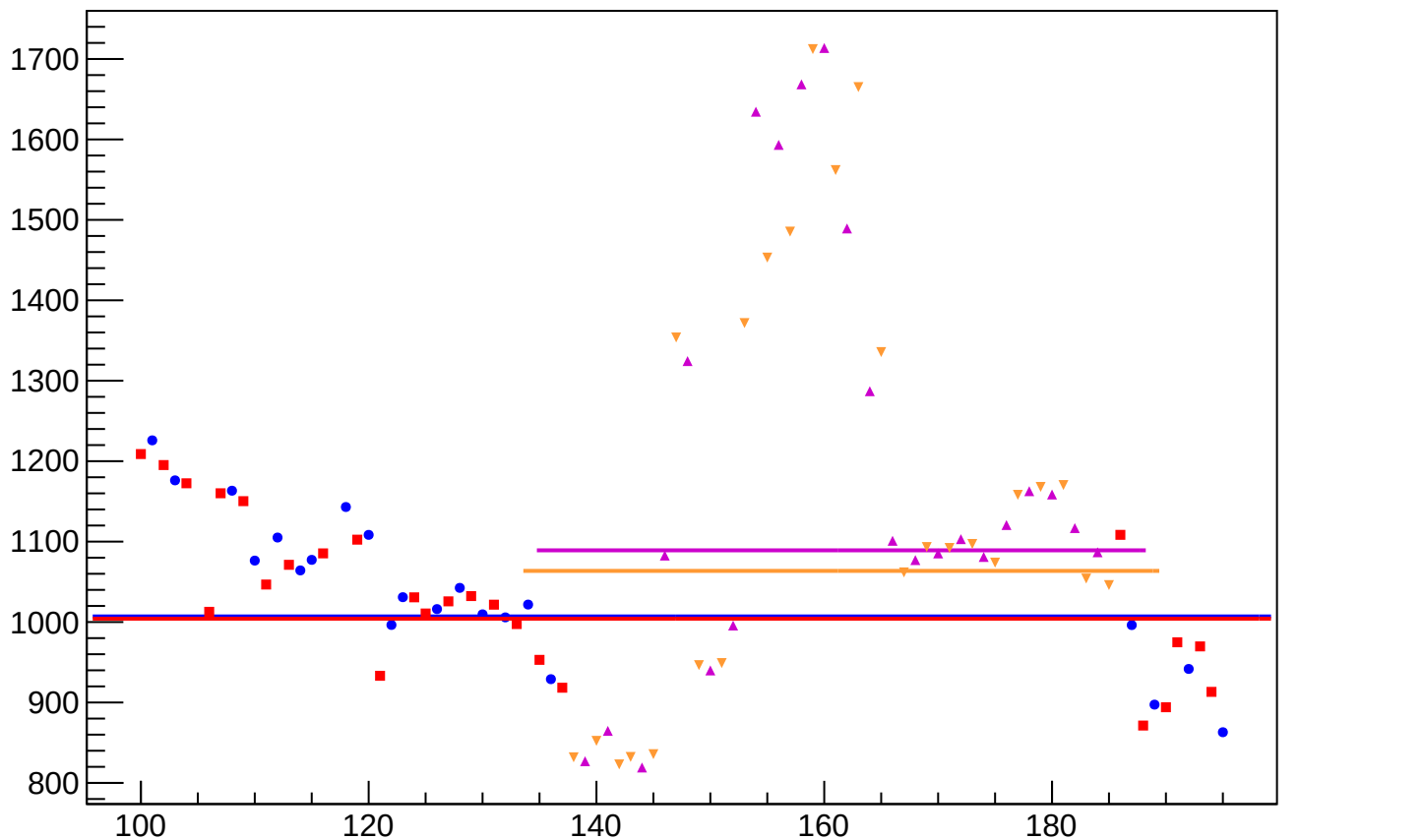
Left In: -0.120 ± 0.269 $\chi^2/\text{NDF}: 67.6/22$

+ sign 0.121 ± 0.203 $\chi^2/\text{NDF}: 505.3/45$

All: -0.700 ± 0.144 $\chi^2/\text{NDF}: 1835.3/93$

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

diff_bpm0l07Y_rms vs Slug



Right In: 1006.966 $\pm$ 0.237 χ^2 /NDF: 189932.6/20

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

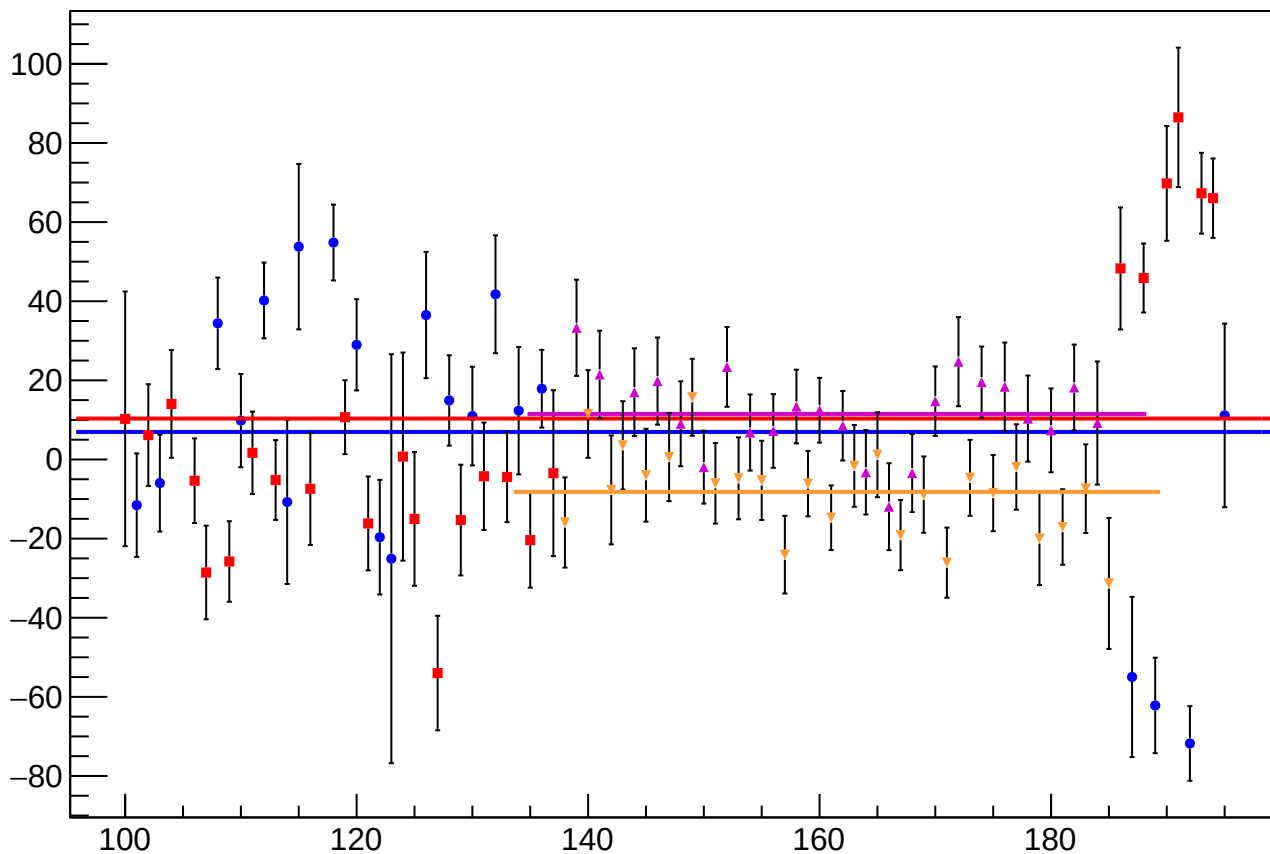
Left In: 1089.154 $\pm$ 0.190 χ^2 /NDF: 1430478.5/22

+ sign 1042.887 $\pm$ 0.143 χ^2 /NDF: 1843442.6/45

All: 1047.799 $\pm$ 0.102 χ^2 /NDF: 3549830.6/93

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

diff_bpm0l08X_mean vs Slug



Right In: 6.960 ± 2.824 $\chi^2/\text{NDF}: 181.6/20$

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

Right Out: 10.343 ± 2.481 $\chi^2/\text{NDF}: 190.6/24$

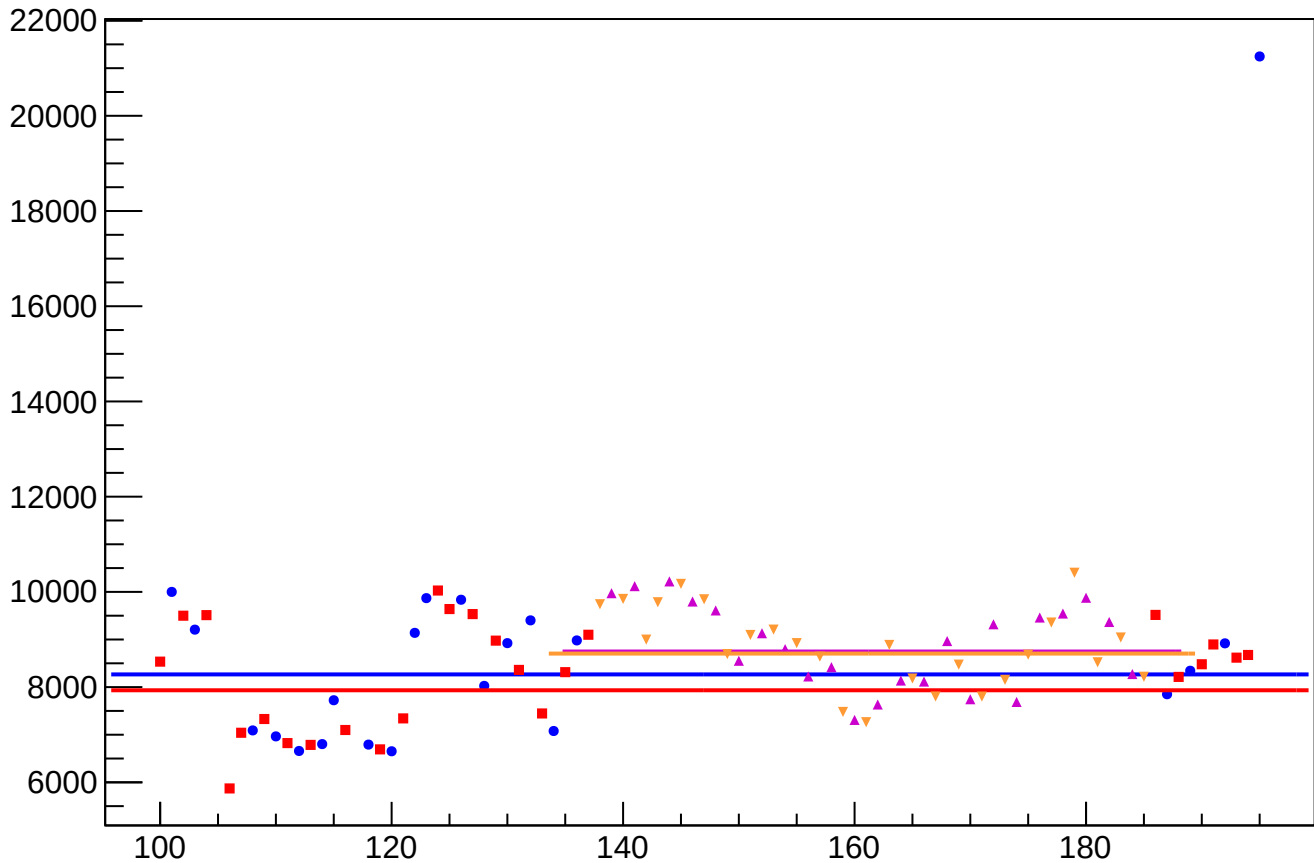
Left In: 11.515 ± 2.122 $\chi^2/\text{NDF}: 21.0/22$

+ sign -2.970 ± 1.658 $\chi^2/\text{NDF}: 226.6/45$

All: 4.220 ± 1.156 $\chi^2/\text{NDF}: 475.0/93$

- sign 11.020 ± 1.613 $\chi^2/\text{NDF}: 211.8/47$

diff_bpm0l08X_rms vs Slug



Right In: 8266.822 $\pm$ 1.997 χ^2 /NDF: 950305.0/20

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

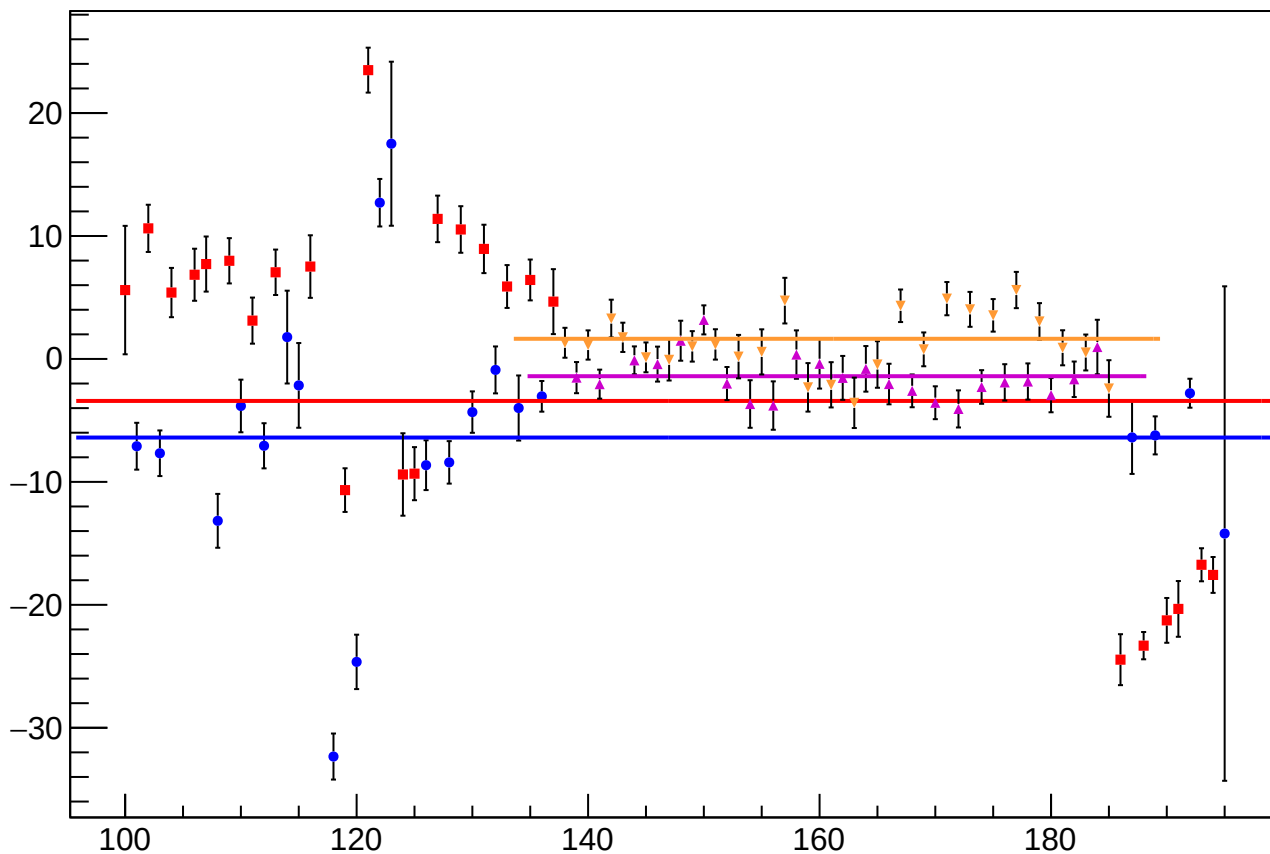
Left In: 8747.415 $\pm$ 1.501 χ^2 /NDF:347110.4/22

+ sign 8553.388 $\pm$ 1.173 χ^2 /NDF: 1314100.6/45

All: 8476.352 $\pm$ 0.817 χ^2 /NDF: 2174014.1/93

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

diff_bpm0l08Y_mean vs Slug



Right In: -6.393 ± 0.428 $\chi^2/\text{NDF}: 418.5/20$

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

Right Out: -3.416 ± 0.374 $\chi^2/\text{NDF}: 1465.9/24$

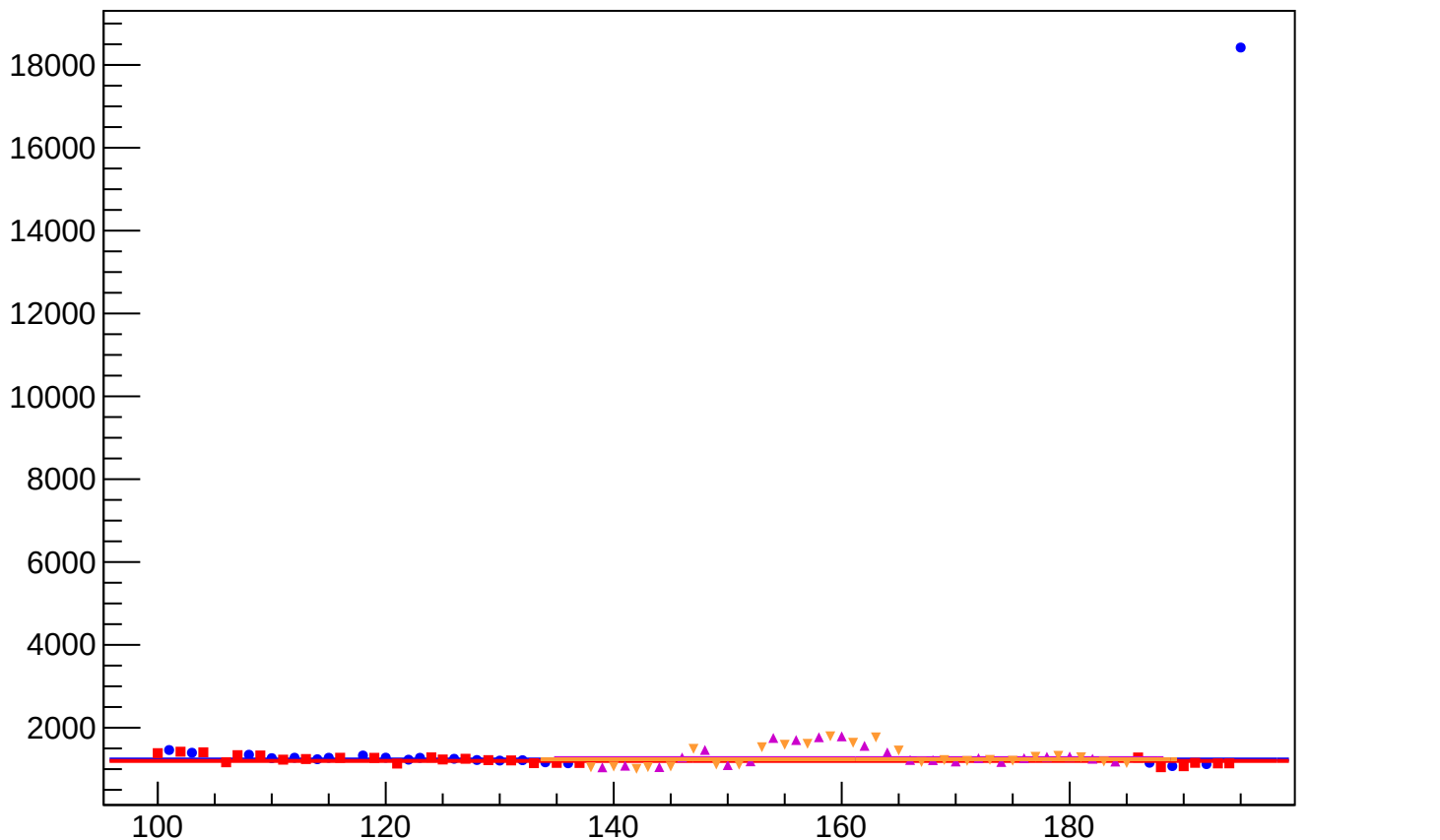
Left In: -1.404 ± 0.309 $\chi^2/\text{NDF}: 34.1/22$

+ sign -0.935 ± 0.242 $\chi^2/\text{NDF}: 709.6/45$

All: -1.587 ± 0.170 $\chi^2/\text{NDF}: 2241.1/93$

- sign -2.220 ± 0.238 $\chi^2/\text{NDF}: 1517.2/47$

diff_bpm0l08Y_rms vs Slug



Right In: 1232.706 $\pm$ 0.302 χ^2 /NDF: 1572432.9/20

Left Out: 1238.437 $\pm$ 0.208 χ^2 /NDF: 965173.0/24

Right Out: 1198.531 $\pm$ 0.265 χ^2 /NDF: 145041.0/24

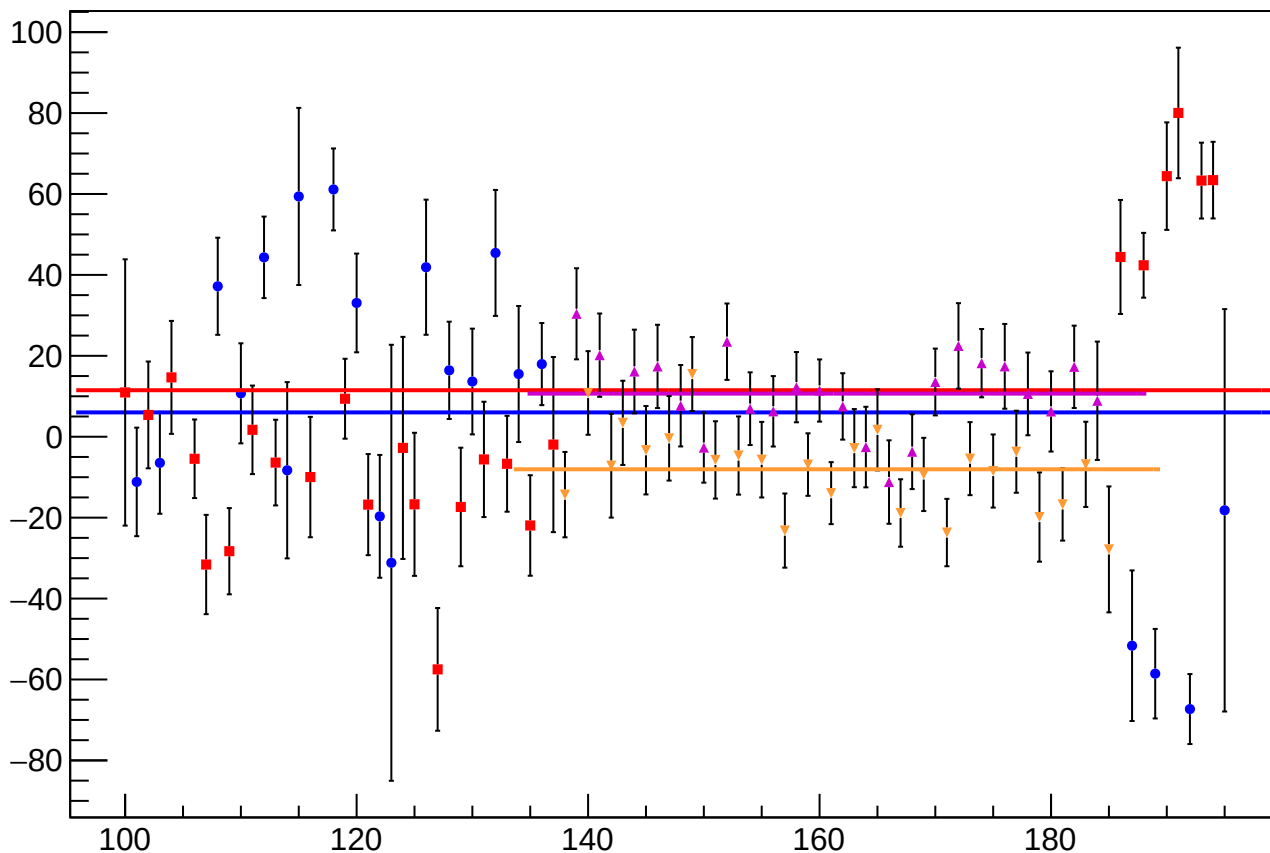
Left In: 1265.673 $\pm$ 0.218 χ^2 /NDF: 845157.0/22

+ sign 1236.600 $\pm$ 0.171 χ^2 /NDF: 2537850.1/45

All: 1237.542 $\pm$ 0.120 χ^2 /NDF: 3566391.9/93

- sign 1238.455 $\pm$ 0.168 χ^2 /NDF: 1028482.1/47

diff_bpm0l09X_mean vs Slug



Right In: 6.013 ± 2.897 $\chi^2/\text{NDF}: 197.9/20$

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

Right Out: 11.496 ± 2.476 $\chi^2/\text{NDF}: 194.1/24$

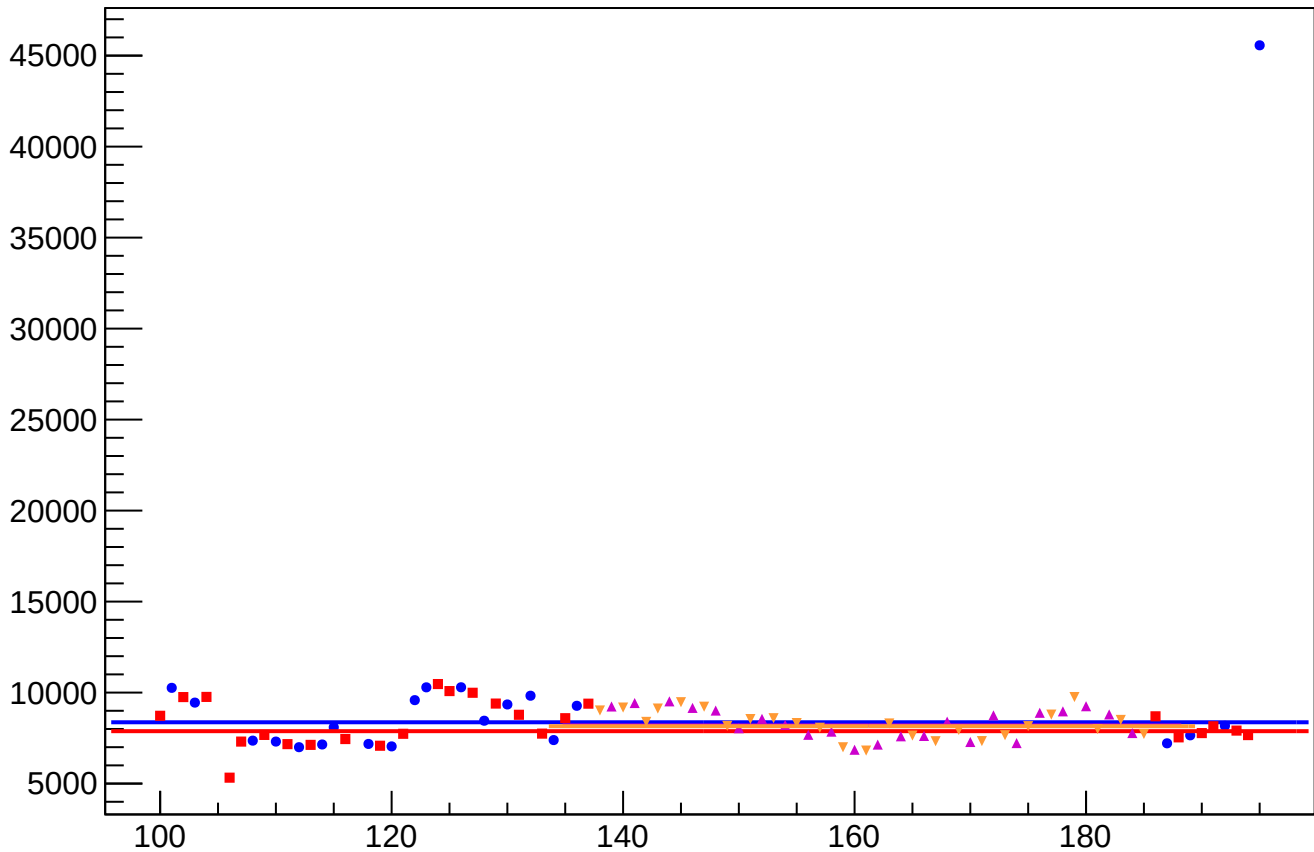
Left In: 10.653 ± 1.988 $\chi^2/\text{NDF}: 21.4/22$

+ sign -3.759 ± 1.599 $\chi^2/\text{NDF}: 240.6/45$

All: 3.844 ± 1.113 $\chi^2/\text{NDF}: 500.0/93$

- sign 10.983 ± 1.550 $\chi^2/\text{NDF}: 215.6/47$

diff_bpm0l09X_rms vs Slug



Right In: 8368.732 $\pm$ 2.049 χ^2 /NDF: 1407620.3/20

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

Right Out: 7879.723 $\pm$ 1.751 χ^2 /NDF: 400812.1/24

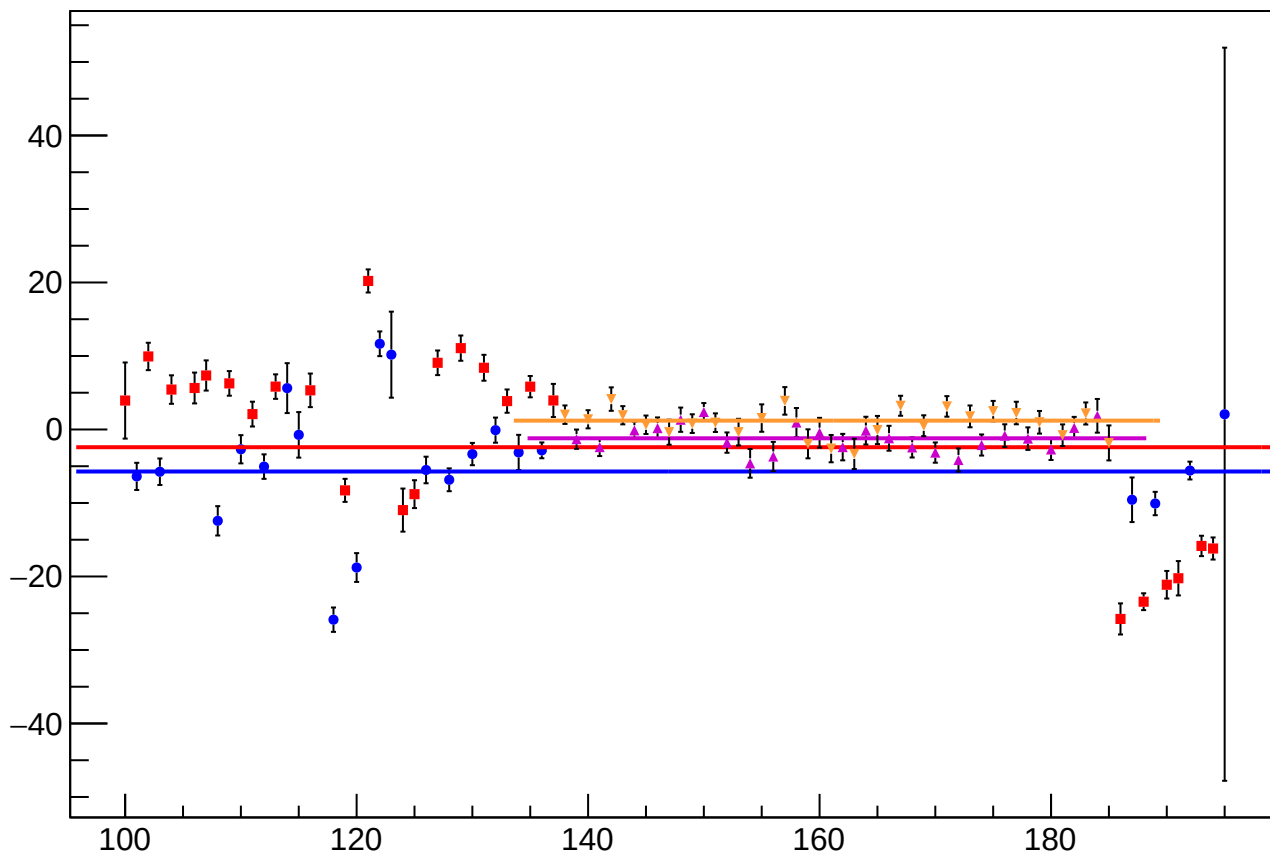
Left In: 8193.636 $\pm$ 1.405 χ^2 /NDF: 338377.6/22

+ sign 8217.698 $\pm$ 1.131 χ^2 /NDF: 1737242.2/45

All: 8141.850 $\pm$ 0.787 χ^2 /NDF: 2504705.5/93

- sign 8070.617 $\pm$ 1.096 χ^2 /NDF: 758740.8/47

diff_bpm0l09Y_mean vs Slug



Right In: -5.717 ± 0.395 χ^2/NDF : 365.8/20

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

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

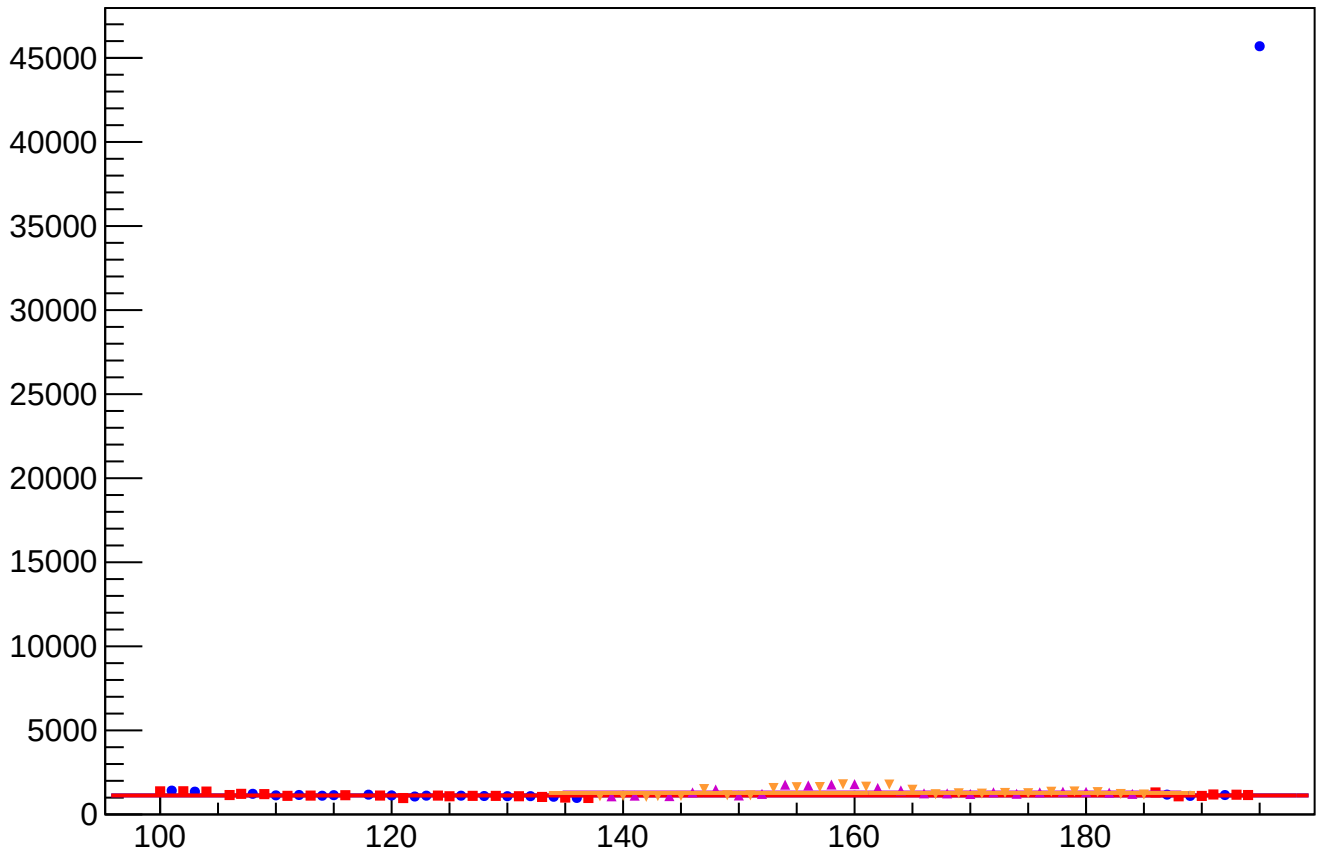
Left In: -1.198 ± 0.318 χ^2/NDF : 31.2/22

+ sign -1.353 ± 0.240 χ^2/NDF : 589.2/45

All: -1.551 ± 0.168 χ^2/NDF : 2034.8/93

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

diff_bpm0l09Y_rms vs Slug



Right In: 1133.677 $\pm$ 0.279 χ^2 /NDF: 1731787.5/20

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

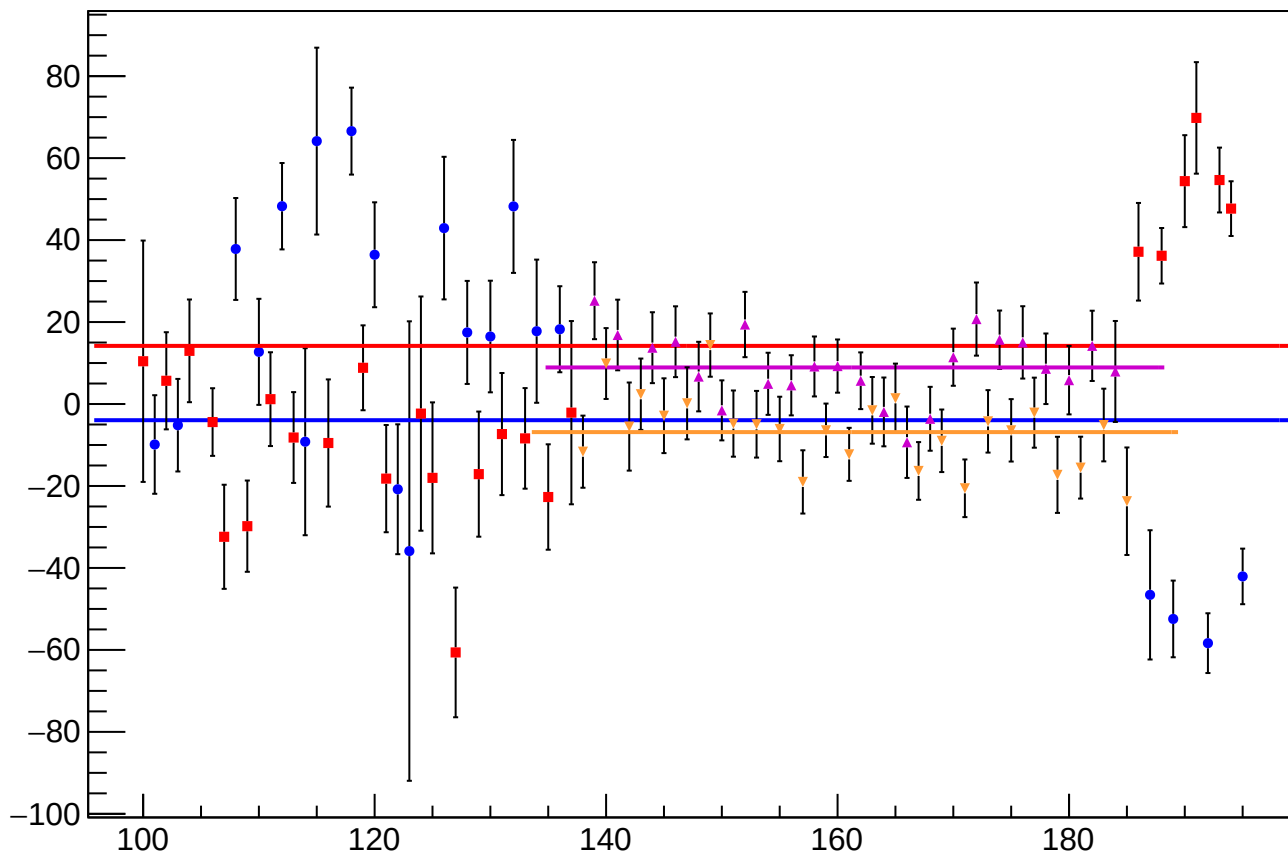
Left In: 1305.541 $\pm$ 0.225 χ^2 /NDF: 760450.8/22

+ sign 1224.629 $\pm$ 0.170 χ^2 /NDF: 2777971.5/45

All: 1225.652 $\pm$ 0.119 χ^2 /NDF: 3965596.2/93

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

diff_bpm0l10X_mean vs Slug



Right In: -3.950 ± 2.613 χ^2/NDF : 252.5/20

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

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

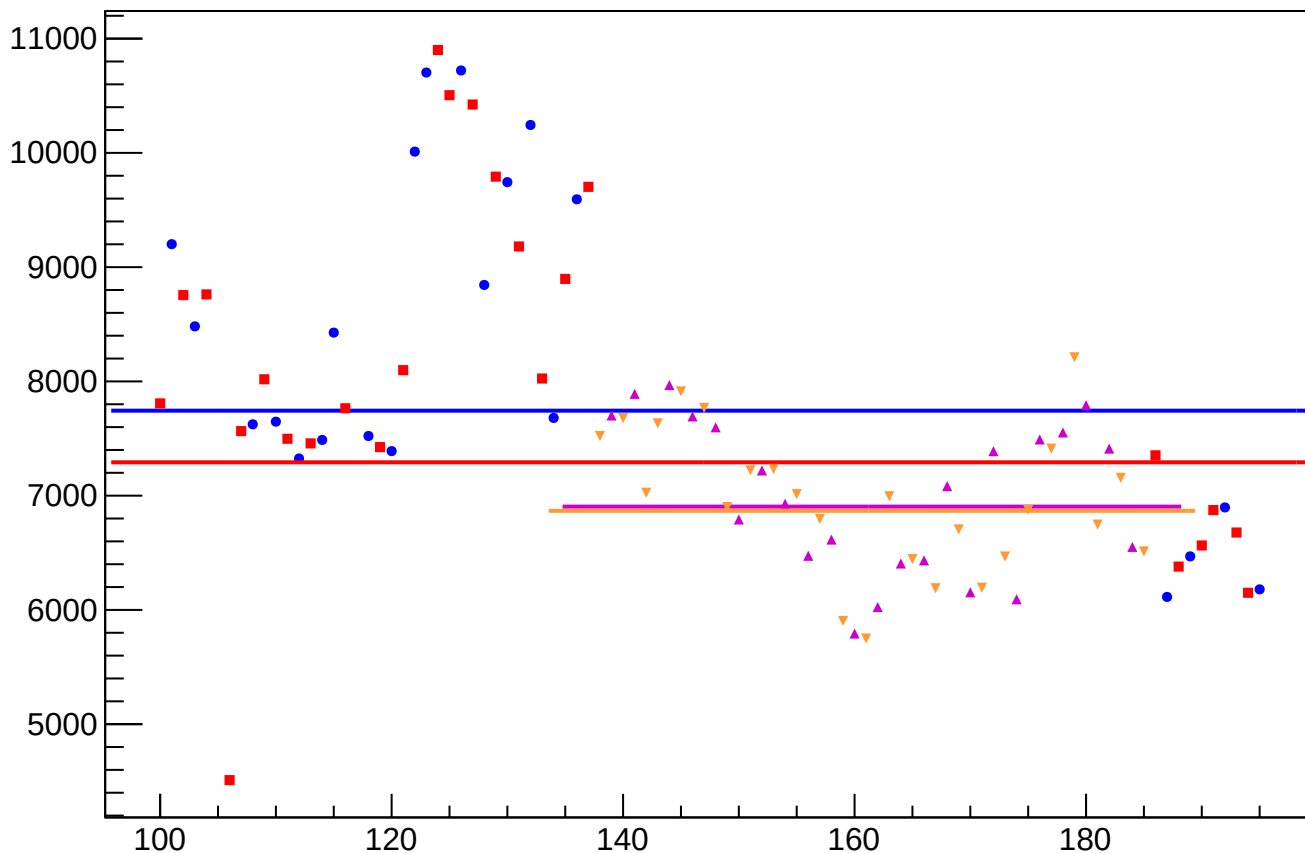
Left In: 8.923 ± 1.674 χ^2/NDF : 21.8/22

+ sign -6.051 ± 1.374 χ^2/NDF : 282.1/45

All: 2.493 ± 0.963 χ^2/NDF : 571.5/93

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

diff_bpm0l10X_rms vs Slug



Right In: 7743.901 $\pm$ 1.847 χ^2 /NDF: 510942.1/20

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

Right Out: 7292.035 $\pm$ 1.618 χ^2 /NDF: 741877.4/24

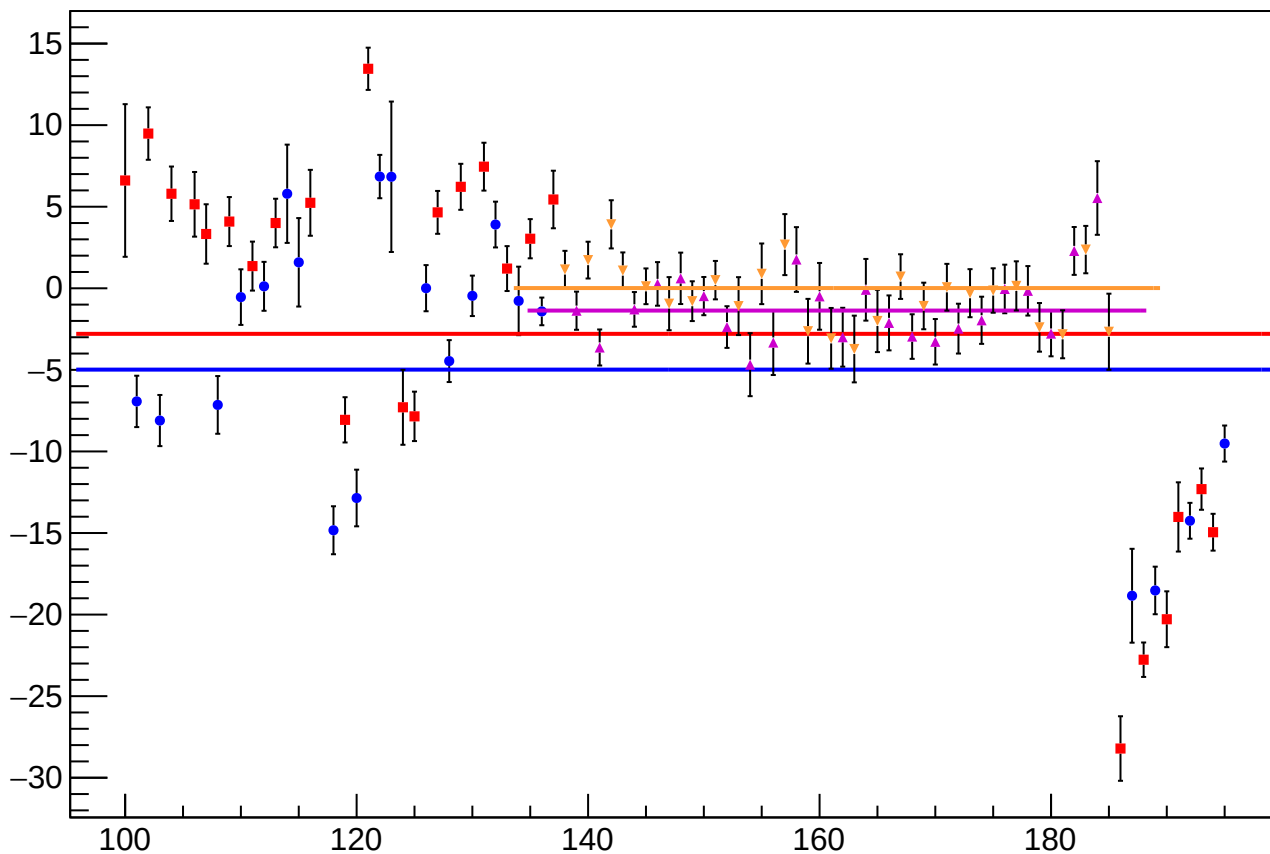
Left In: 6904.117 $\pm$ 1.184 χ^2 /NDF:325912.6/22

+ sign 7109.832 $\pm$ 0.972 χ^2 /NDF: 980693.5/45

All: 7074.008 $\pm$ 0.681 χ^2 /NDF: 2088587.3/93

- sign 7039.361 $\pm$ 0.956 χ^2 /NDF: 1105219.5/47

diff_bpm0l10Y_mean vs Slug



Right In: -4.985 ± 0.321 χ^2/NDF : 480.5/20

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

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

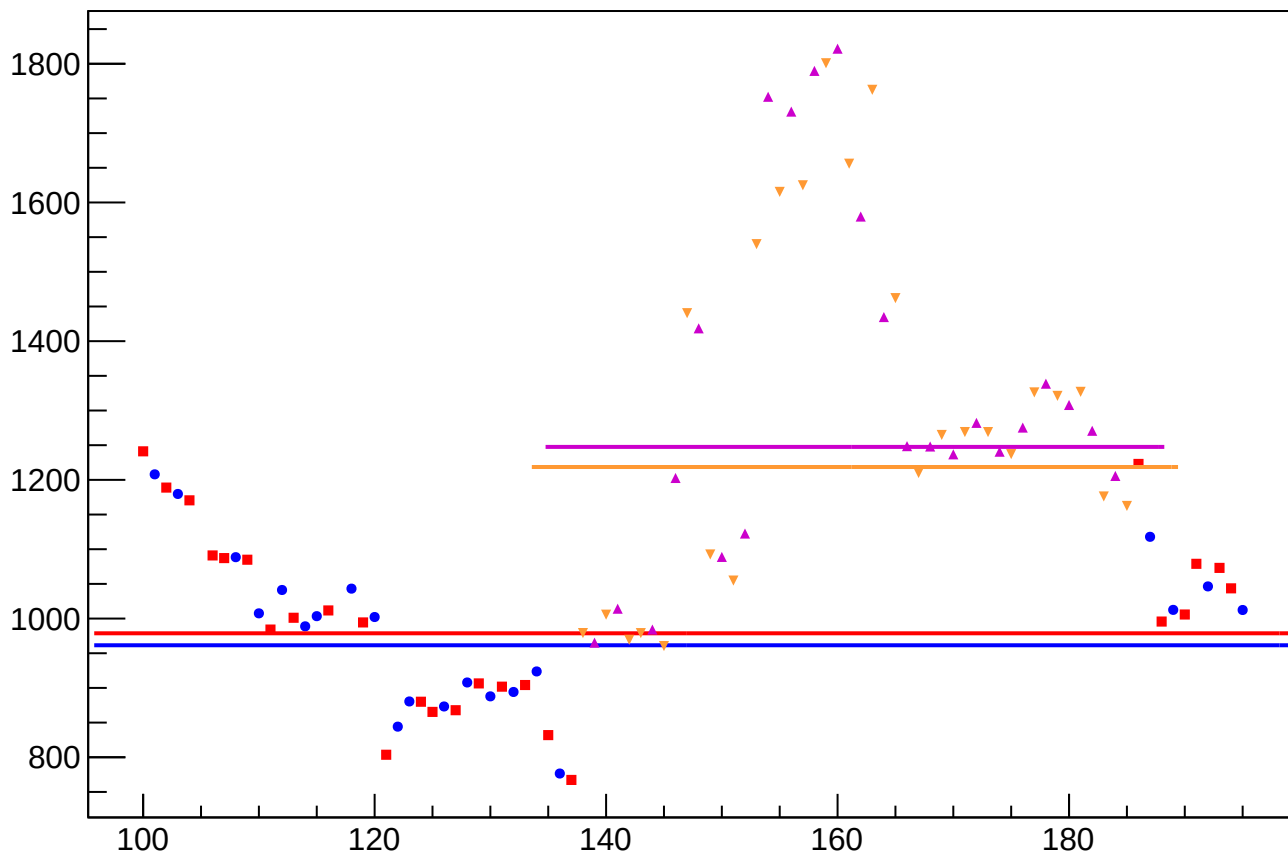
Left In: -1.365 ± 0.306 χ^2/NDF : 38.5/22

+ sign -2.230 ± 0.215 χ^2/NDF : 649.0/45

All: -2.157 ± 0.152 χ^2/NDF : 2071.2/93

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

diff_bpm0l10Y_rms vs Slug



Right In: 961.500 $\pm$ 0.227 χ^2 /NDF: 272665.1/20

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

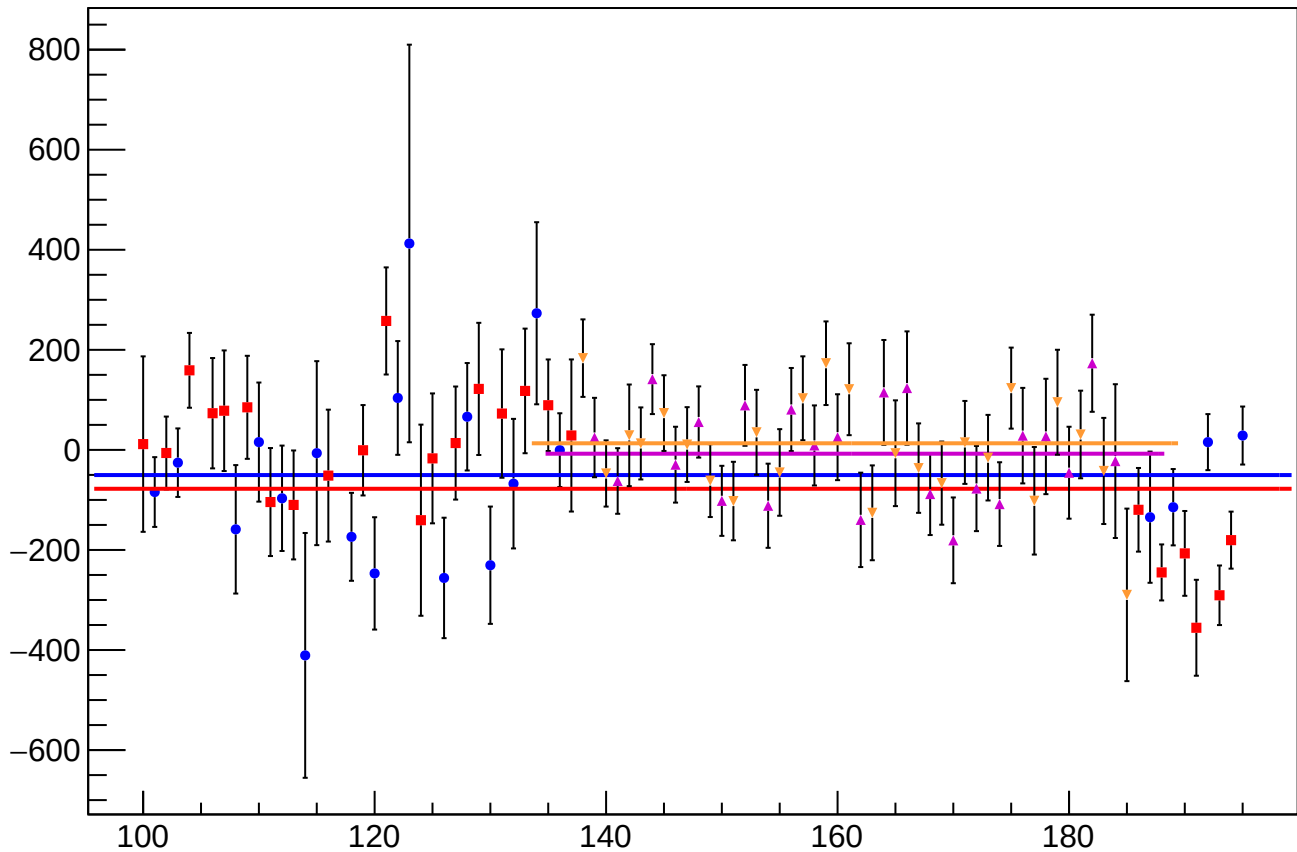
Left In: 1247.538 $\pm$ 0.216 χ^2 /NDF:1073390.3/22

+ sign 1103.130 $\pm$ 0.152 χ^2 /NDF: 2244375.5/45

All: 1107.596 $\pm$ 0.108 χ^2 /NDF: 4386140.9/93

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

diff_bpm0r03X_mean vs Slug



Right In: -50.297 ± 20.728 χ^2/NDF : 26.5/20

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

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

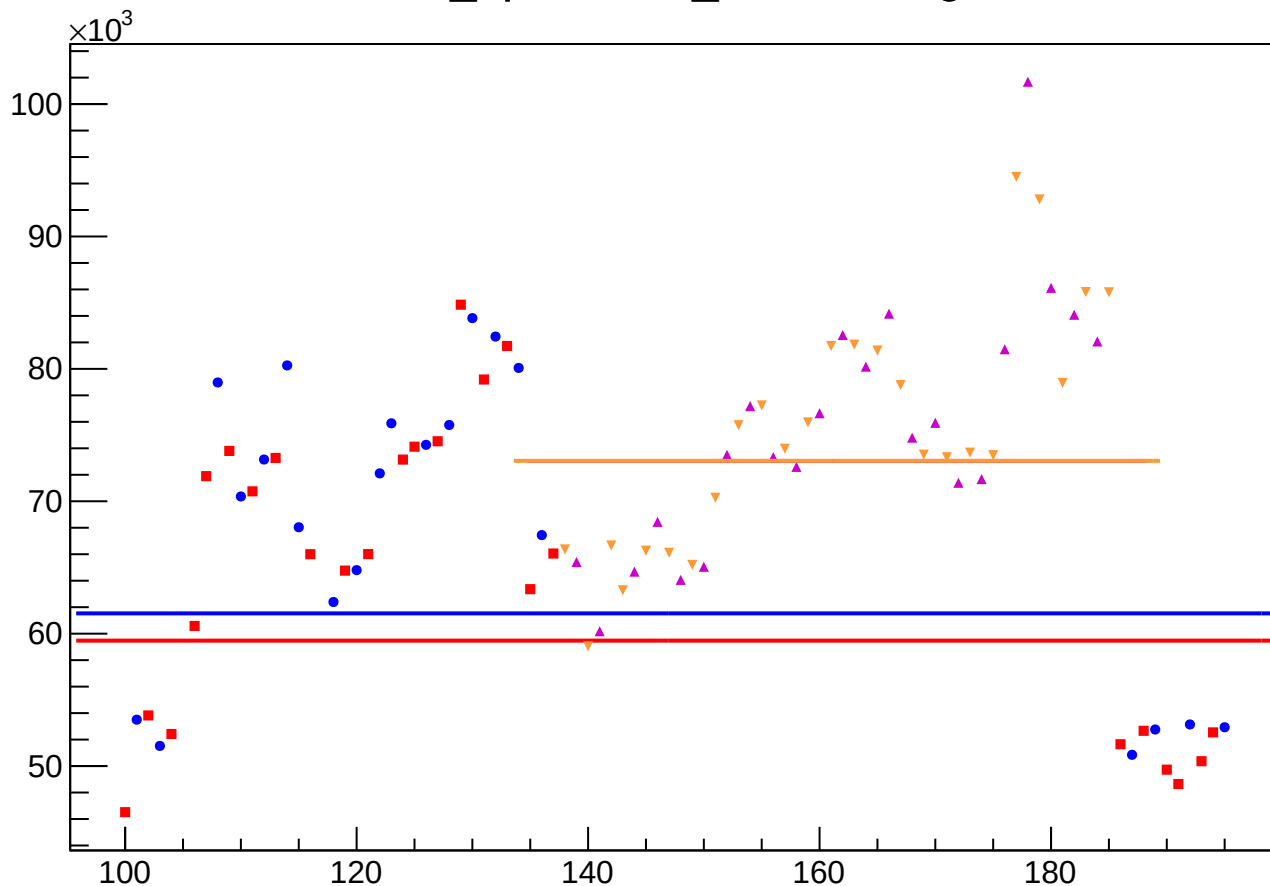
Left In: -7.618 ± 17.672 χ^2/NDF : 28.1/22

+ sign -12.593 ± 13.212 χ^2/NDF : 58.9/45

All: -27.180 ± 9.196 χ^2/NDF : 171.7/93

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

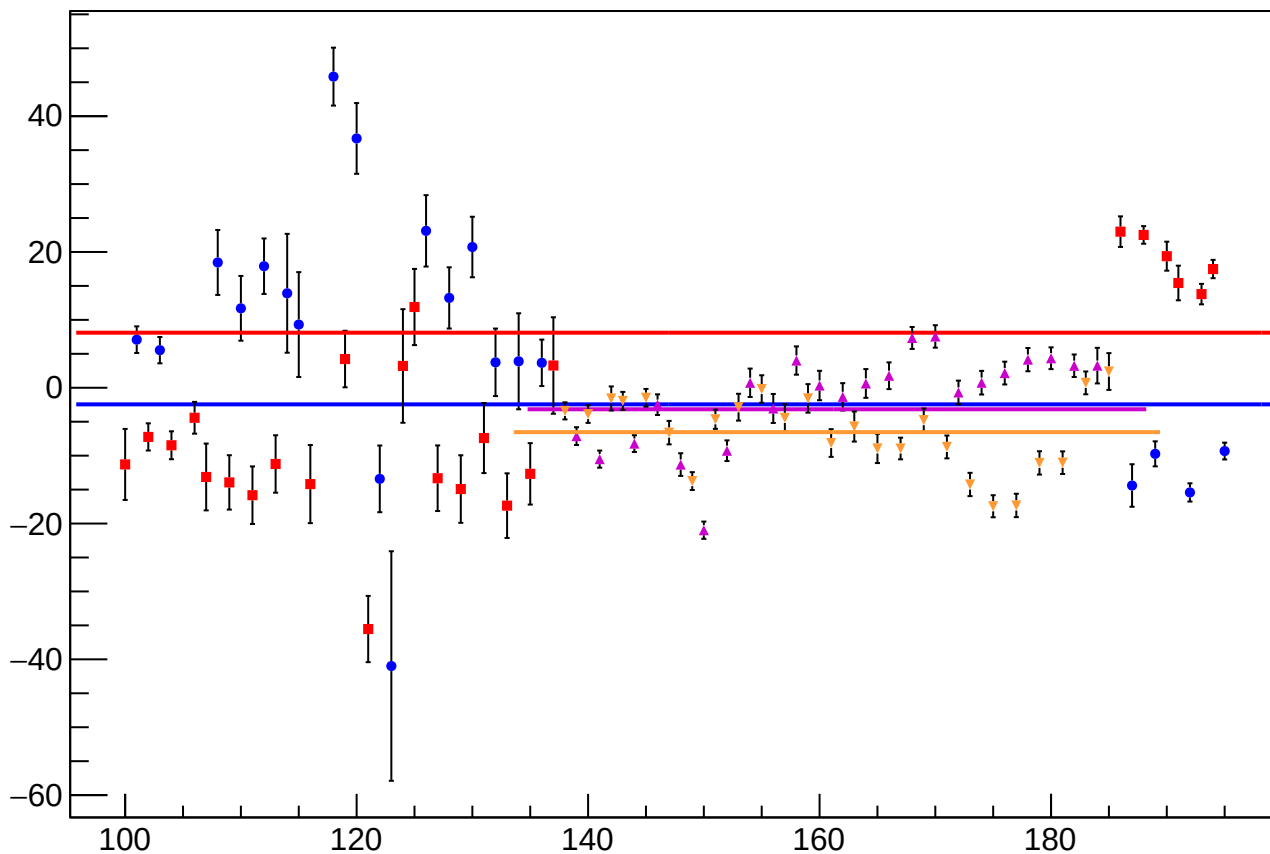
diff_bpm0r03X_rms vs Slug



Right In: 61532.040 $\pm$ 14.657 χ^2 /NDF: 521743.1/20
 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 68373.131 $\pm$ 9.342 χ^2 /NDF: 1361739.6/45
 All: 67461.207 $\pm$ 6.503 χ^2 /NDF: 3016653.6/9
 - sign 66604.097 $\pm$ 9.057 χ^2 /NDF: 1636429.5/47

diff_bpm0r03Y_mean vs Slug



Right In: -2.445 ± 0.606 χ^2/NDF : 516.4/20

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

Right Out: 8.110 ± 0.536 χ^2/NDF : 730.9/24

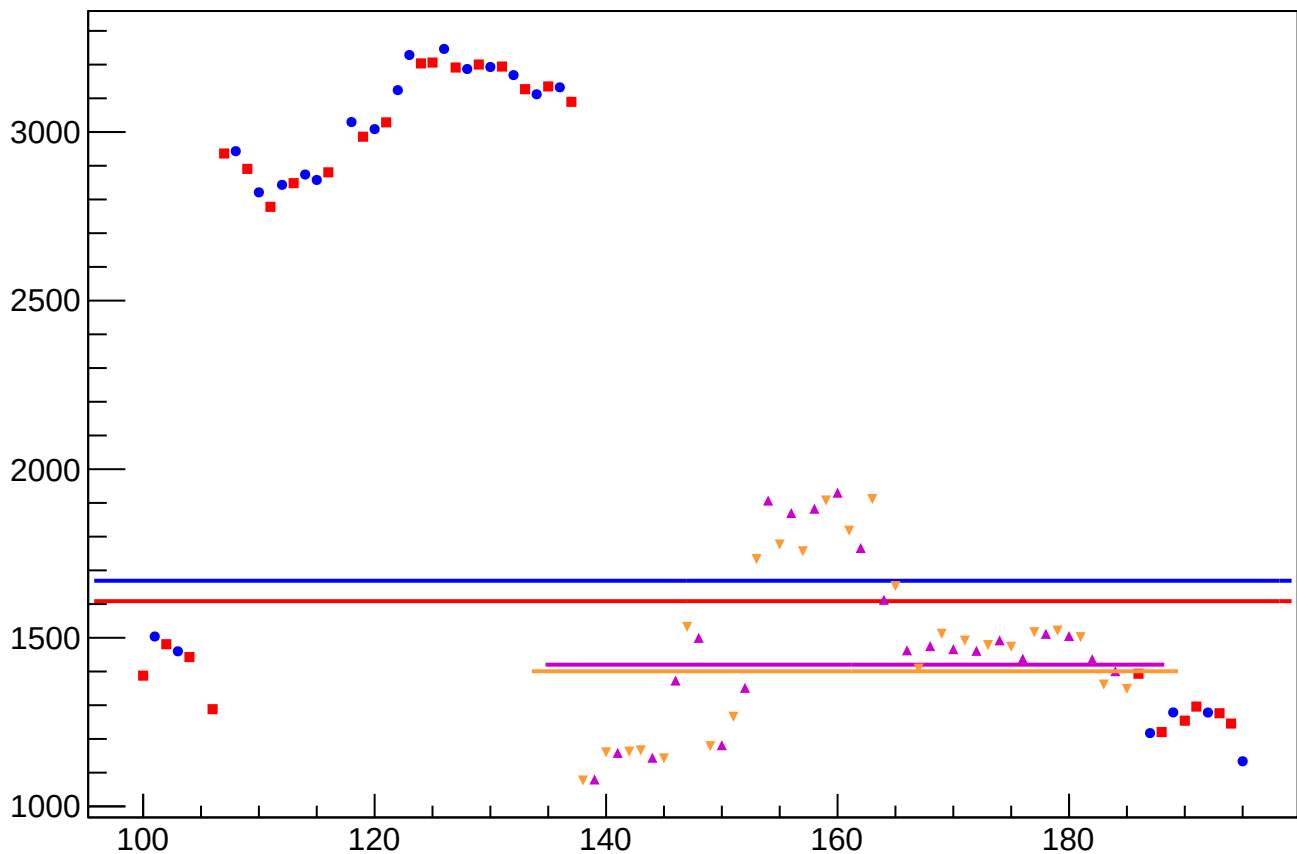
Left In: -3.171 ± 0.346 χ^2/NDF : 487.3/22

+ sign -5.593 ± 0.291 χ^2/NDF : 804.2/45

All: -2.717 ± 0.206 χ^2/NDF : 2530.4/93

- sign 0.157 ± 0.291 χ^2/NDF : 1530.9/47

diff_bpm0r03Y_rms vs Slug



Right In: 1669.174 $\pm$ 0.428 χ^2 /NDF: 3020683.7/20

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

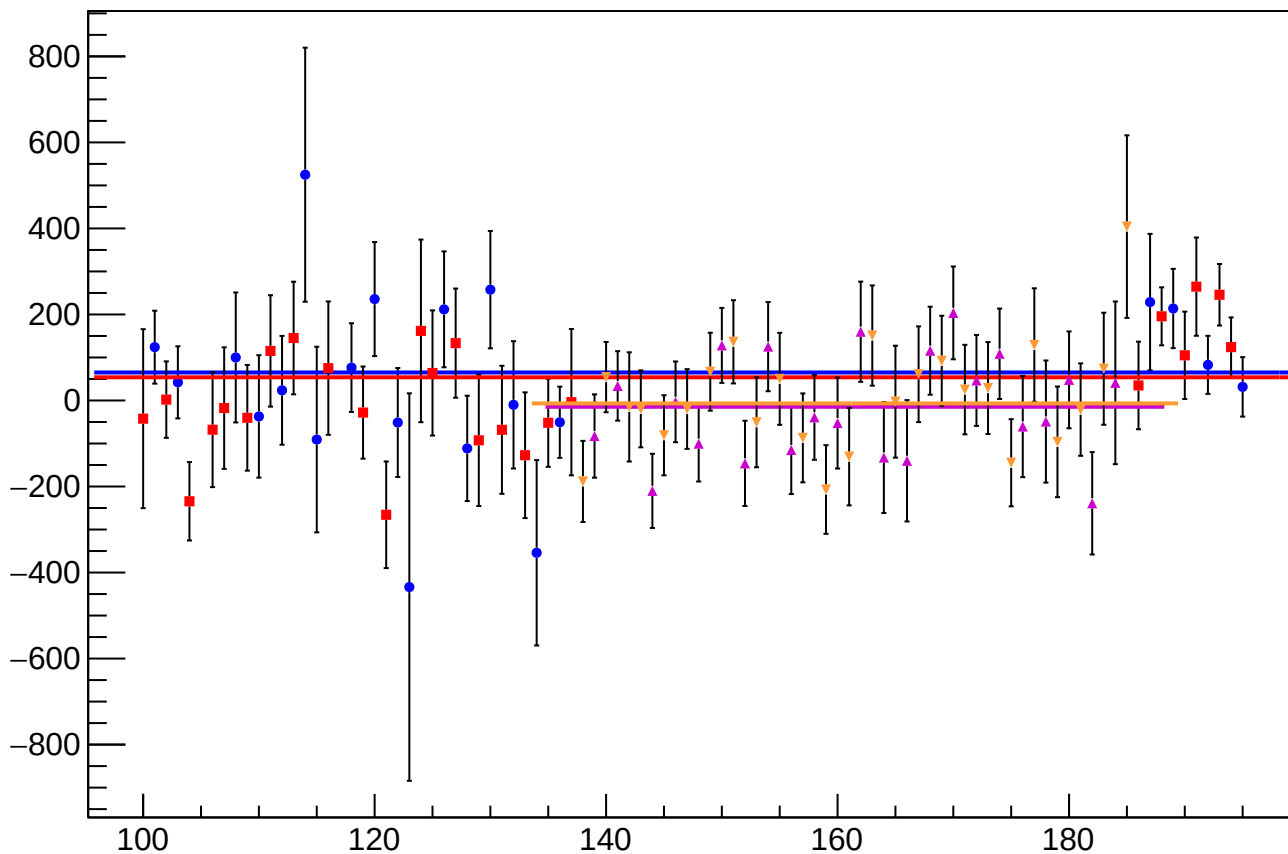
Left In: 1420.285 $\pm$ 0.245 χ^2 /NDF: 905186.2/22

+ sign 1462.590 $\pm$ 0.206 χ^2 /NDF: 4360815.3/45

All: 1469.218 $\pm$ 0.145 χ^2 /NDF: 8552065.7/93

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

diff_bpm0r05X_mean vs Slug



Right In: 65.127 $\pm$ 24.518 χ^2 /NDF: 23.1/20

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

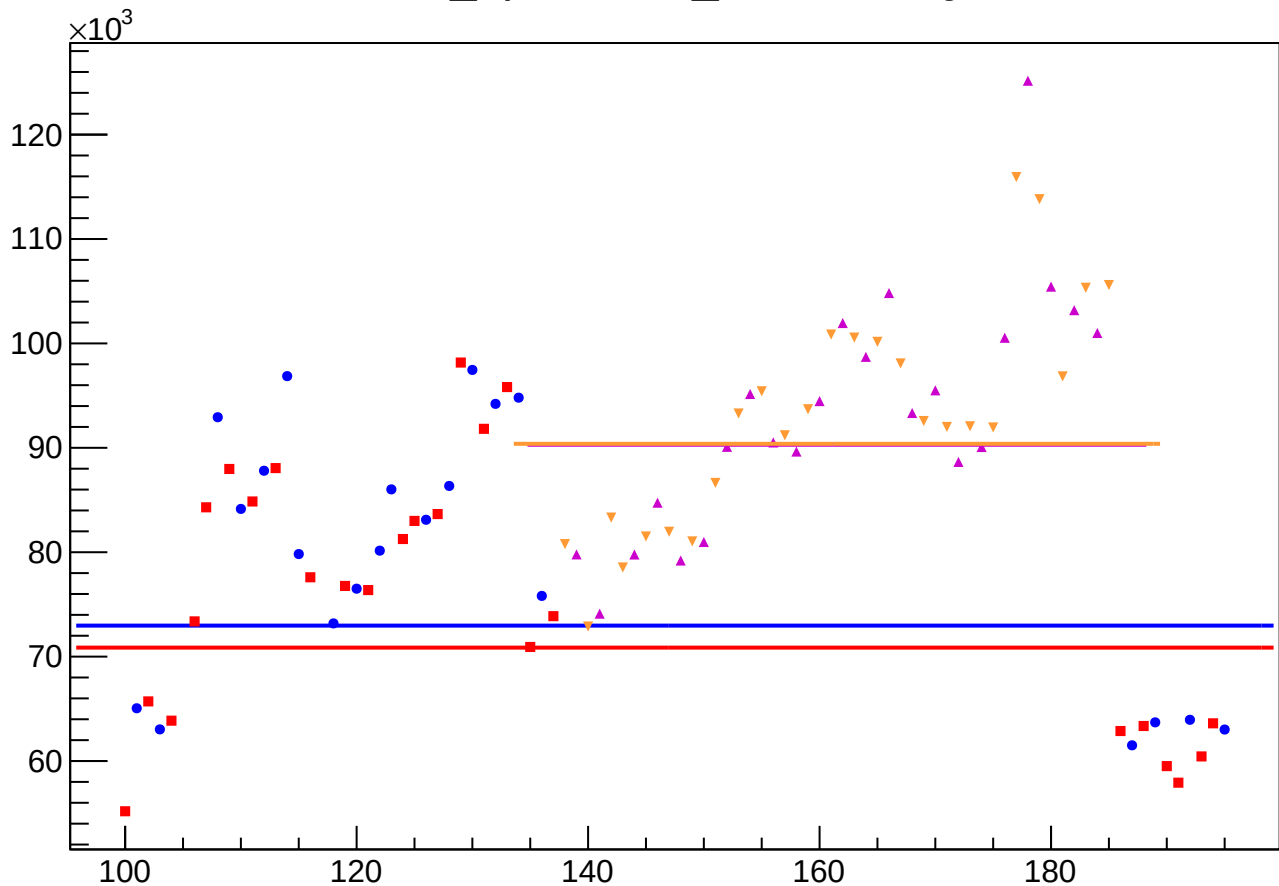
Left In: -14.611 $\pm$ 21.846 χ^2 /NDF:29.8/22

+ sign 23.998 $\pm$ 16.042 χ^2 /NDF: 52.7/45

All: 21.540 $\pm$ 11.161 χ^2 /NDF: 129.0/93

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

diff_bpm0r05X_rms vs Slug



Right In: 72970.697 $\pm$ 17.337 χ^2 /NDF: 416737.3/20

Left Out: 90384.853 $\pm$ 15.000 χ^2 /NDF: 461648.2/24

Right Out: 70862.746 $\pm$ 15.632 χ^2 /NDF: 512933.2/24

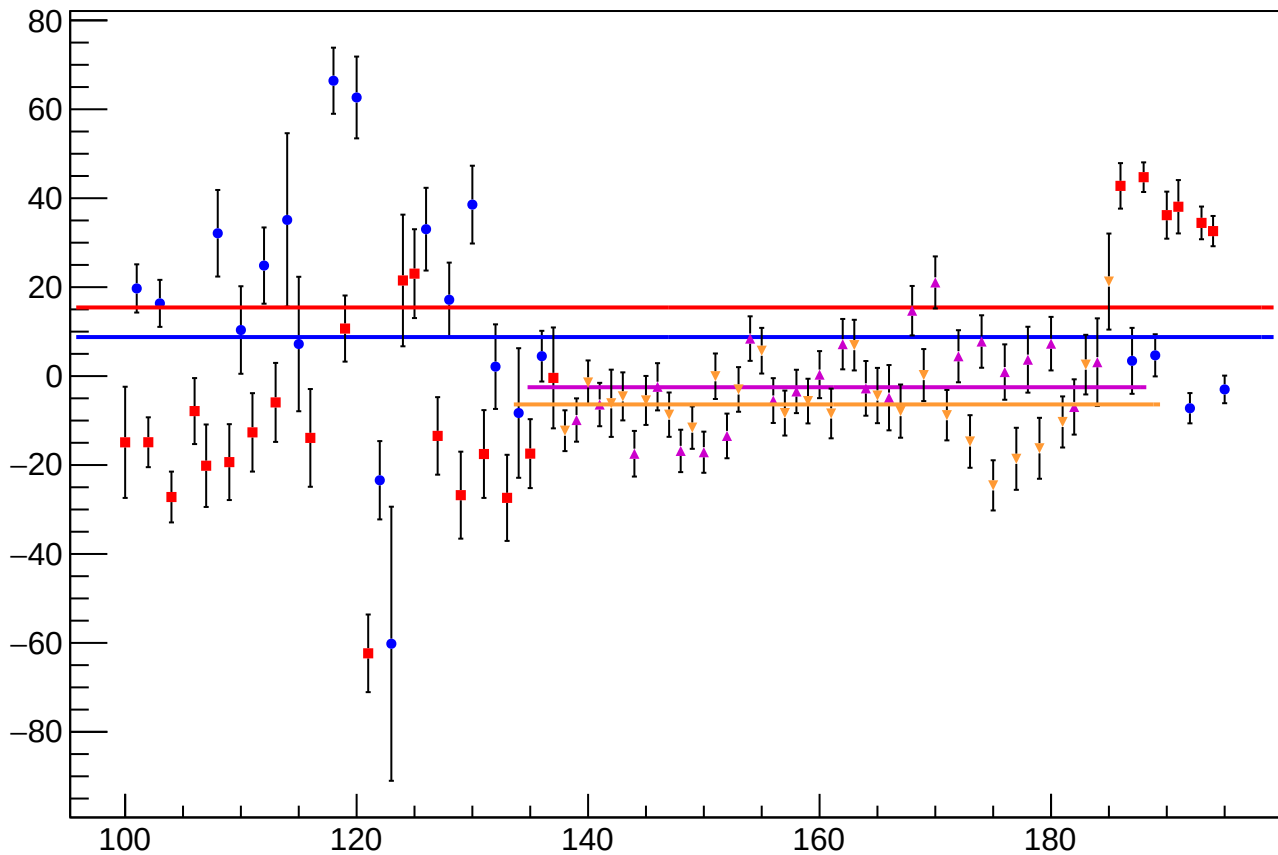
Left In: 90293.591 $\pm$ 15.448 χ^2 /NDF: 461337.5/22

+ sign 82929.841 $\pm$ 11.344 χ^2 /NDF: 1455379.5/45

All: 81776.018 $\pm$ 7.892 χ^2 /NDF: 3231421.5/9

- sign 80693.458 $\pm$ 10.988 χ^2 /NDF: 1755988.7/47

diff_bpm0r05Y_mean vs Slug



Right In: 8.777 ± 1.424 χ^2/NDF : 189.6/20

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

Right Out: 15.435 ± 1.277 χ^2/NDF : 503.6/24

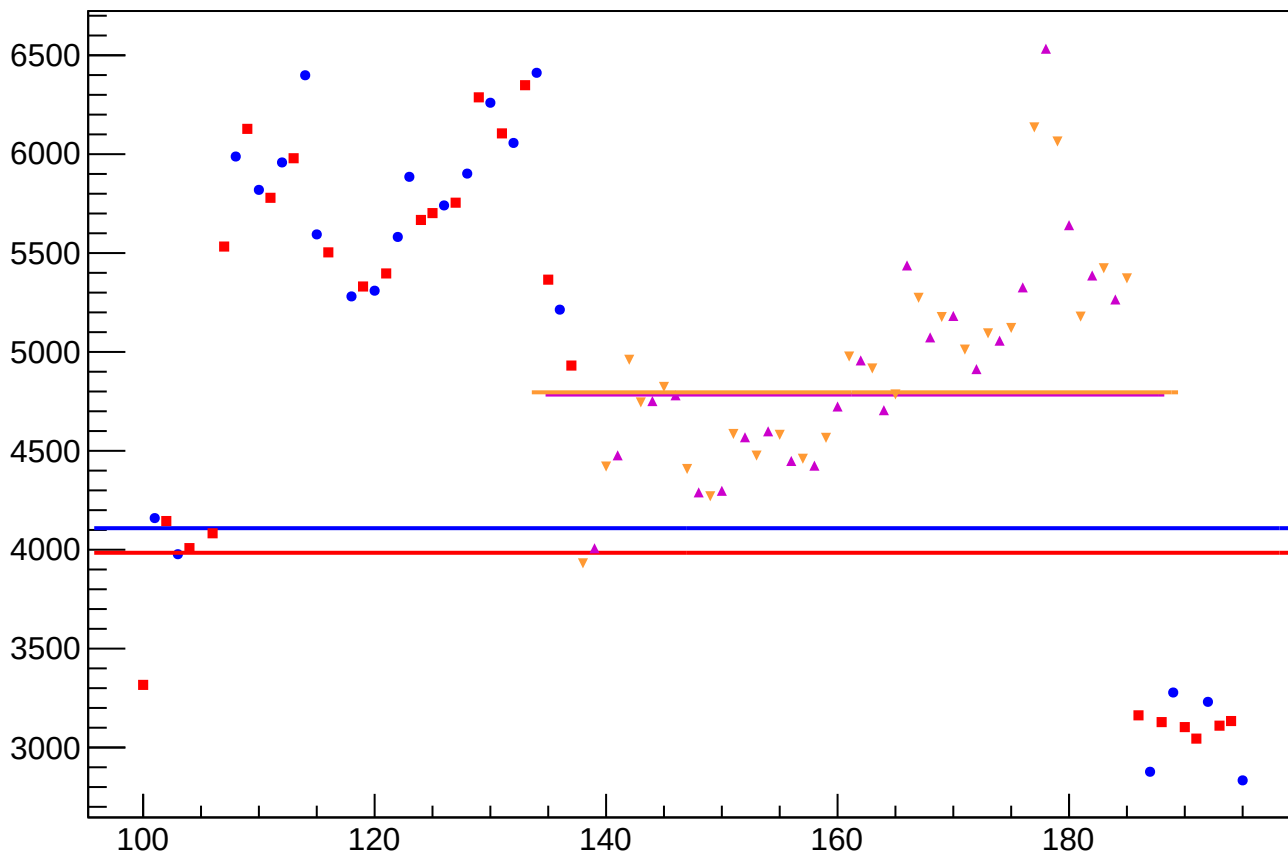
Left In: -2.501 ± 1.156 χ^2/NDF : 78.4/22

+ sign -0.555 ± 0.882 χ^2/NDF : 304.8/45

All: 2.599 ± 0.615 χ^2/NDF : 1020.0/93

- sign 5.575 ± 0.857 χ^2/NDF : 690.4/47

diff_bpm0r05Y_rms vs Slug



Right In: 4108.896+/-1.007 χ^2/NDF : 1493371.8/20

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

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

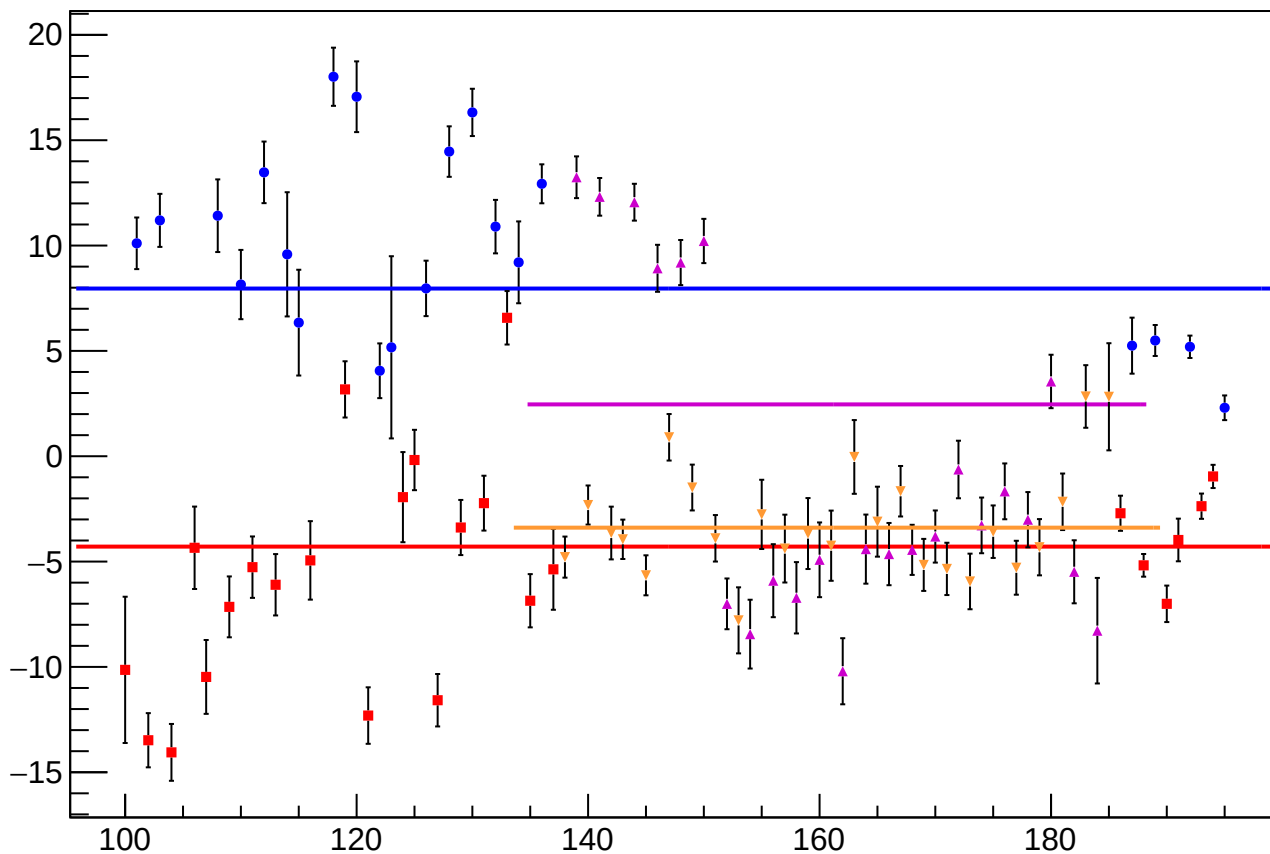
Left In: 4784.434+/-0.817 χ^2/NDF : 357507.2/22

+ sign 4532.101+/-0.624 χ^2/NDF : 2141508.2/45

All: 4476.621+/-0.435 χ^2/NDF : 4568776.2/93

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

diff_bpm2i01X_mean vs Slug



Right In: 7.960 ± 0.241 $\chi^2/\text{NDF}: 375.9/20$

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

Right Out: -4.289 ± 0.213 $\chi^2/\text{NDF}: 379.2/24$

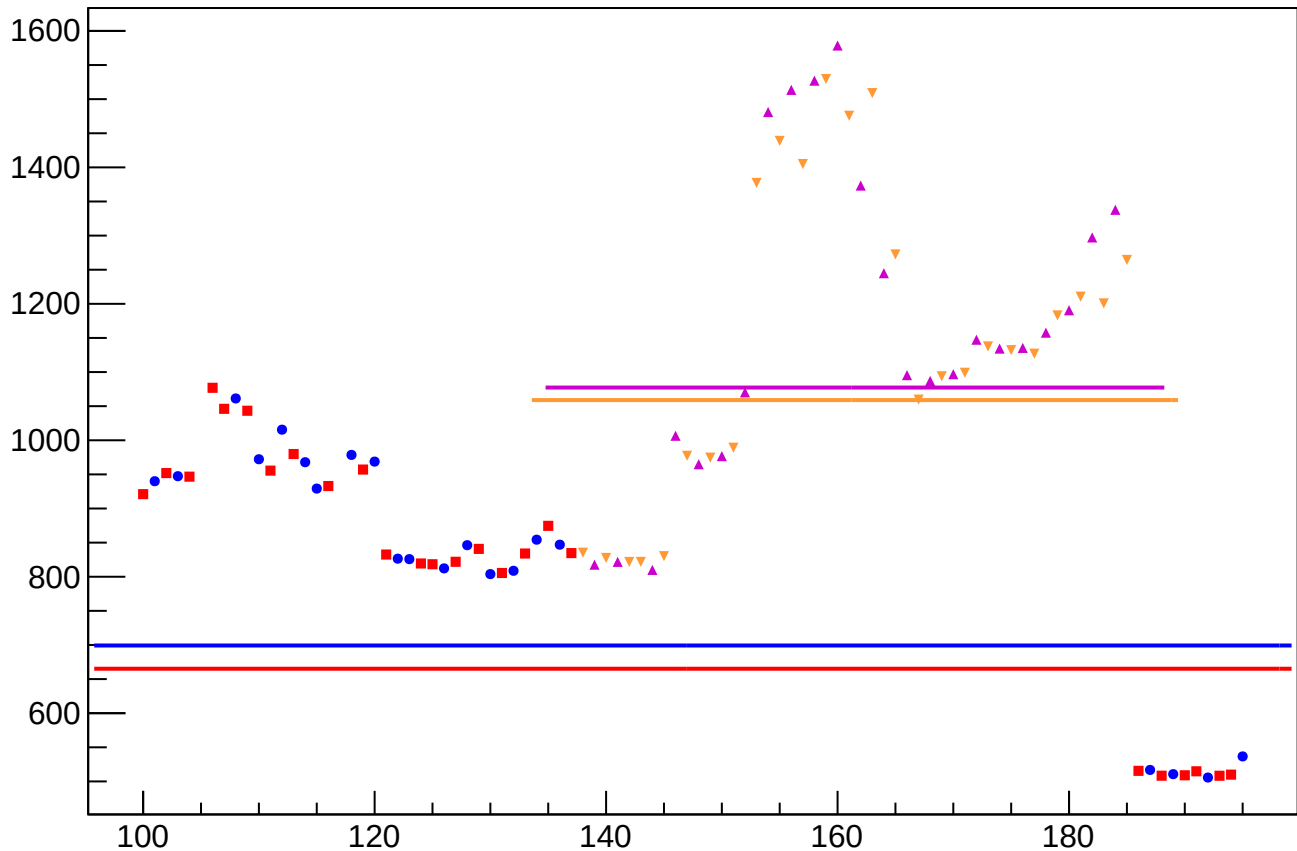
Left In: 2.461 ± 0.264 $\chi^2/\text{NDF}: 928.0/22$

+ sign 2.552 ± 0.174 $\chi^2/\text{NDF}: 1513.6/45$

All: 0.364 ± 0.120 $\chi^2/\text{NDF}: 3517.3/93$

- sign -1.627 ± 0.166 $\chi^2/\text{NDF}: 1702.0/47$

diff_bpm2i01X_rms vs Slug



Right In: 699.228 $\pm$ 0.170 χ^2 /NDF: 1309595.7/20

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

Right Out: 665.165 $\pm$ 0.151 χ^2 /NDF: 1727219.8/24

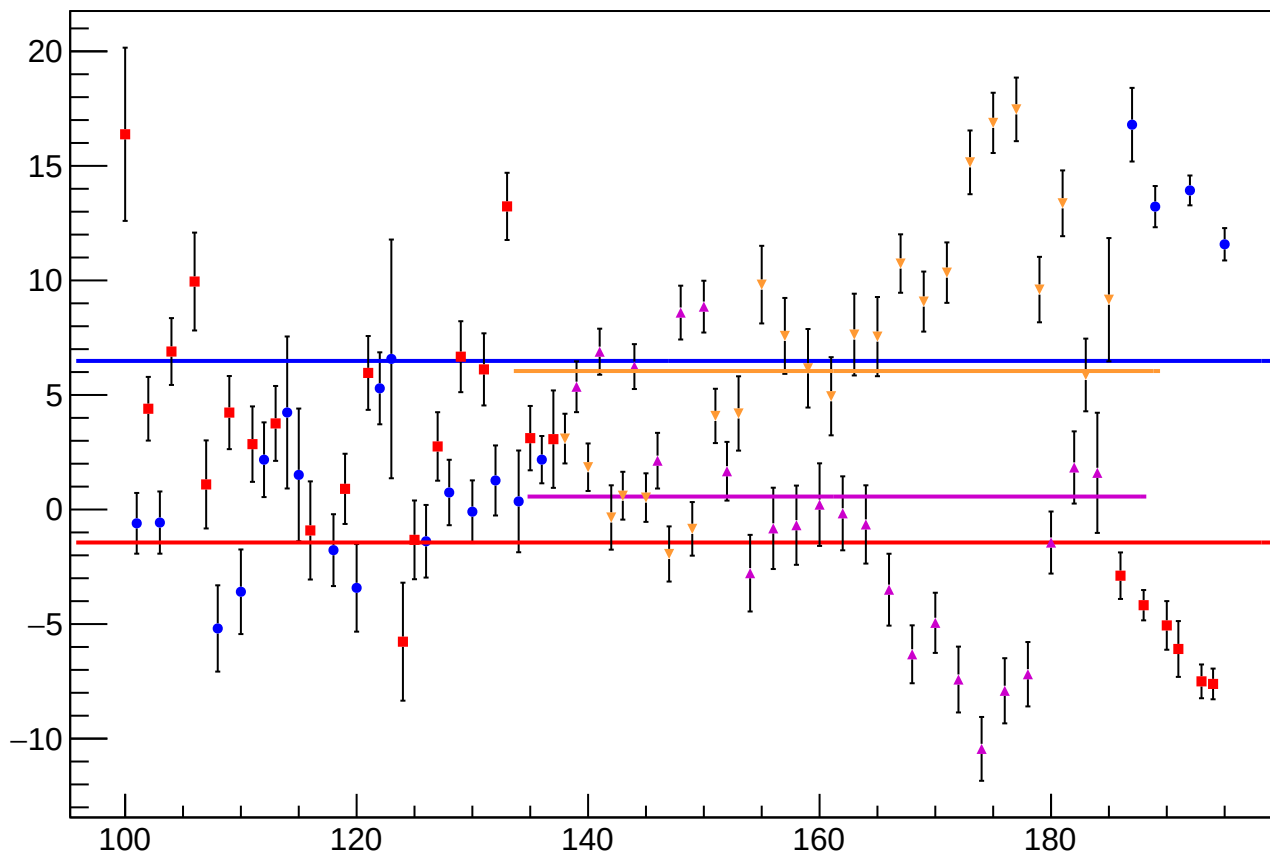
Left In: 1077.284 $\pm$ 0.187 χ^2 /NDF:1280349.9/22

+ sign 870.606 $\pm$ 0.123 χ^2 /NDF: 4842134.3/45

All: 848.150 $\pm$ 0.085 χ^2 /NDF: 10856371.3/93

- sign 827.729 $\pm$ 0.117 χ^2 /NDF: 5950714.1/47

diff_bpm2i01Y_mean vs Slug



Right In: 6.486 ± 0.284 $\chi^2/\text{NDF}: 569.9/20$

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

Right Out: -1.439 ± 0.254 $\chi^2/\text{NDF}: 529.8/24$

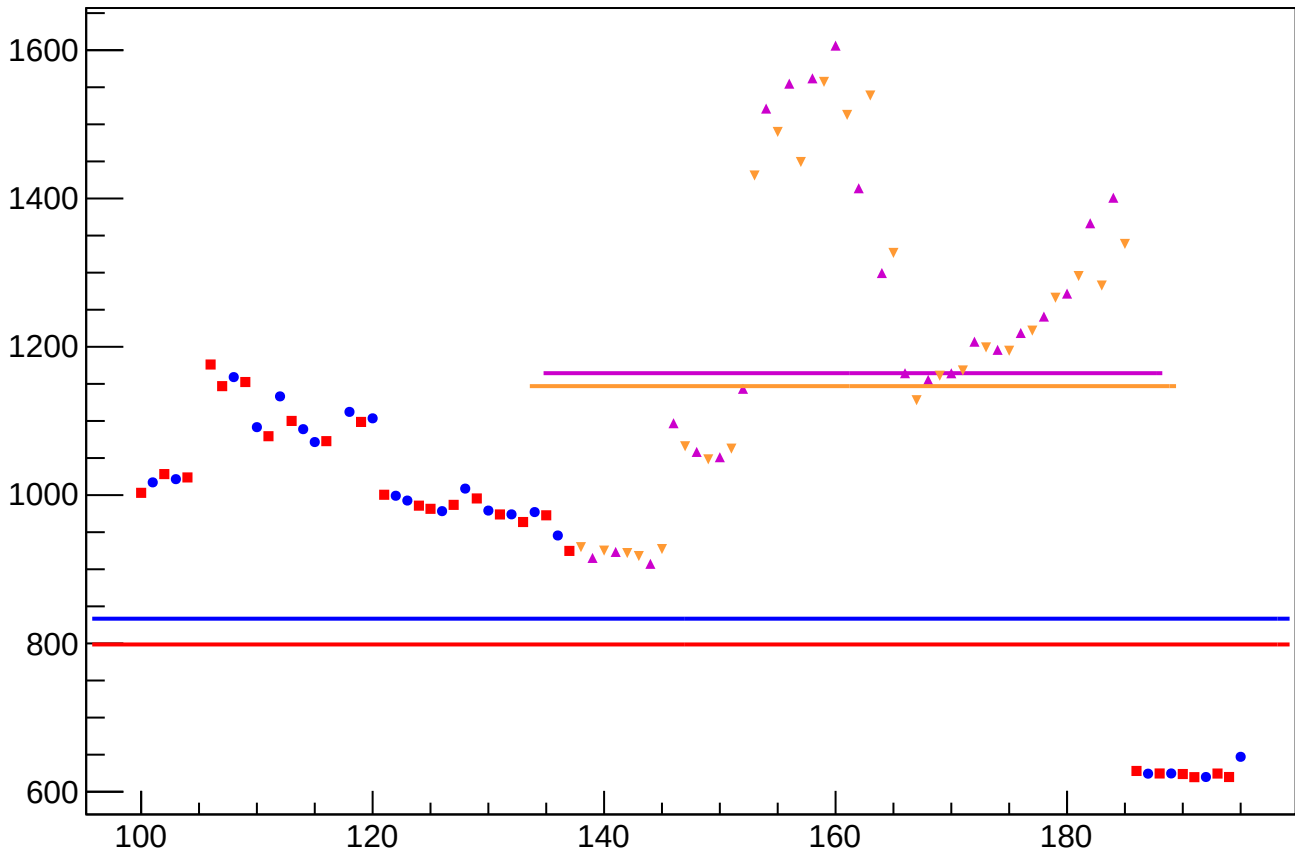
Left In: 0.566 ± 0.284 $\chi^2/\text{NDF}: 417.0/22$

+ sign 6.256 ± 0.196 $\chi^2/\text{NDF}: 1002.0/45$

All: 2.726 ± 0.136 $\chi^2/\text{NDF}: 2599.2/93$

- sign -0.550 ± 0.189 $\chi^2/\text{NDF}: 974.5/47$

diff_bpm2i01Y_rms vs Slug



Right In: 833.364 ± 0.201 $\chi^2/\text{NDF}: 1010196.5/20$

Left Out: 1146.960 ± 0.192 $\chi^2/\text{NDF}: 1045761.4/24$

Right Out: 798.611 ± 0.179 $\chi^2/\text{NDF}: 1332805.8/24$

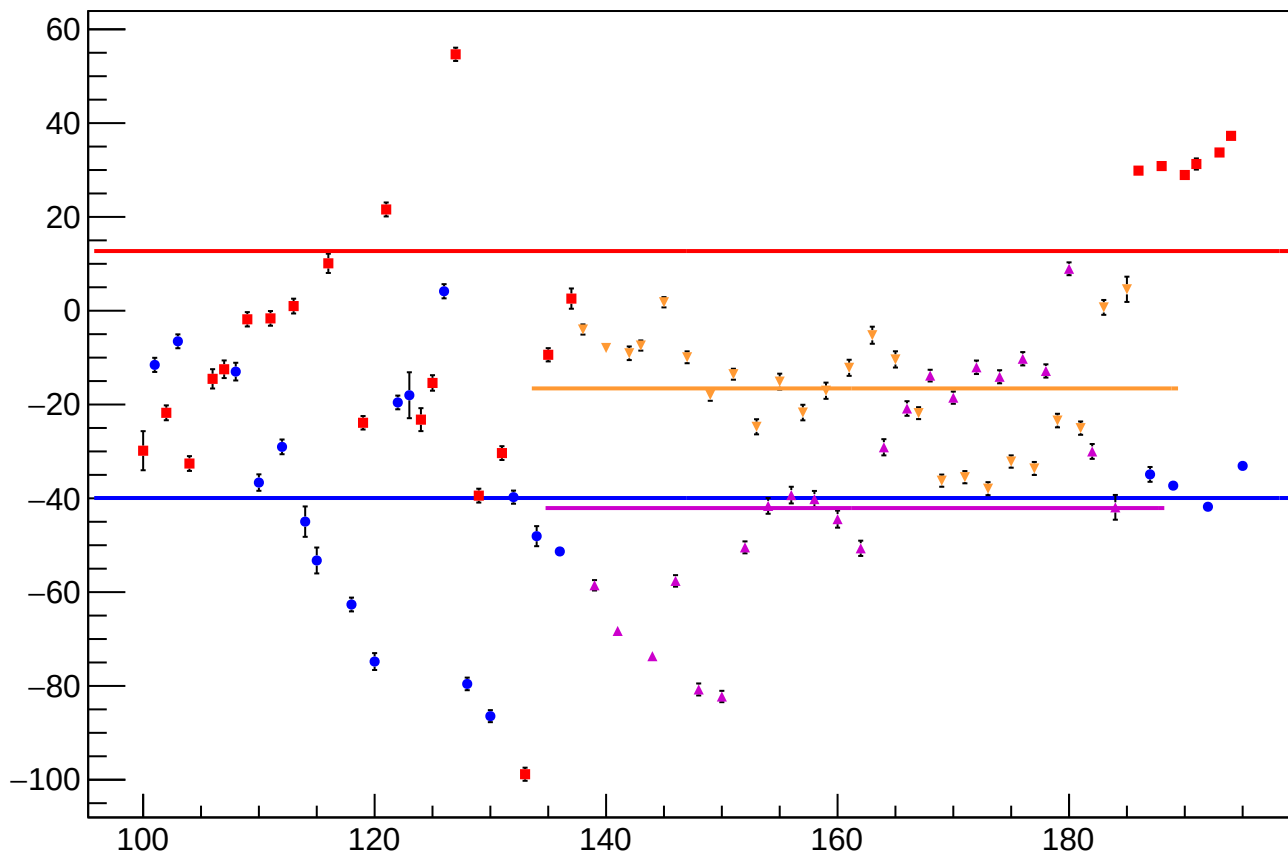
Left In: 1164.432 ± 0.201 $\chi^2/\text{NDF}: 944112.0/22$

+ sign 997.282 ± 0.139 $\chi^2/\text{NDF}: 3327906.4/45$

All: 978.386 ± 0.096 $\chi^2/\text{NDF}: 7485643.4/93$

- sign 960.850 ± 0.134 $\chi^2/\text{NDF}: 4122047.4/47$

diff_bpm2i02X_mean vs Slug



Right In: -39.933 ± 0.278 $\chi^2/\text{NDF}: 5258.0/20$

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

Right Out: 12.721 ± 0.247 $\chi^2/\text{NDF}: 16618.8/24$

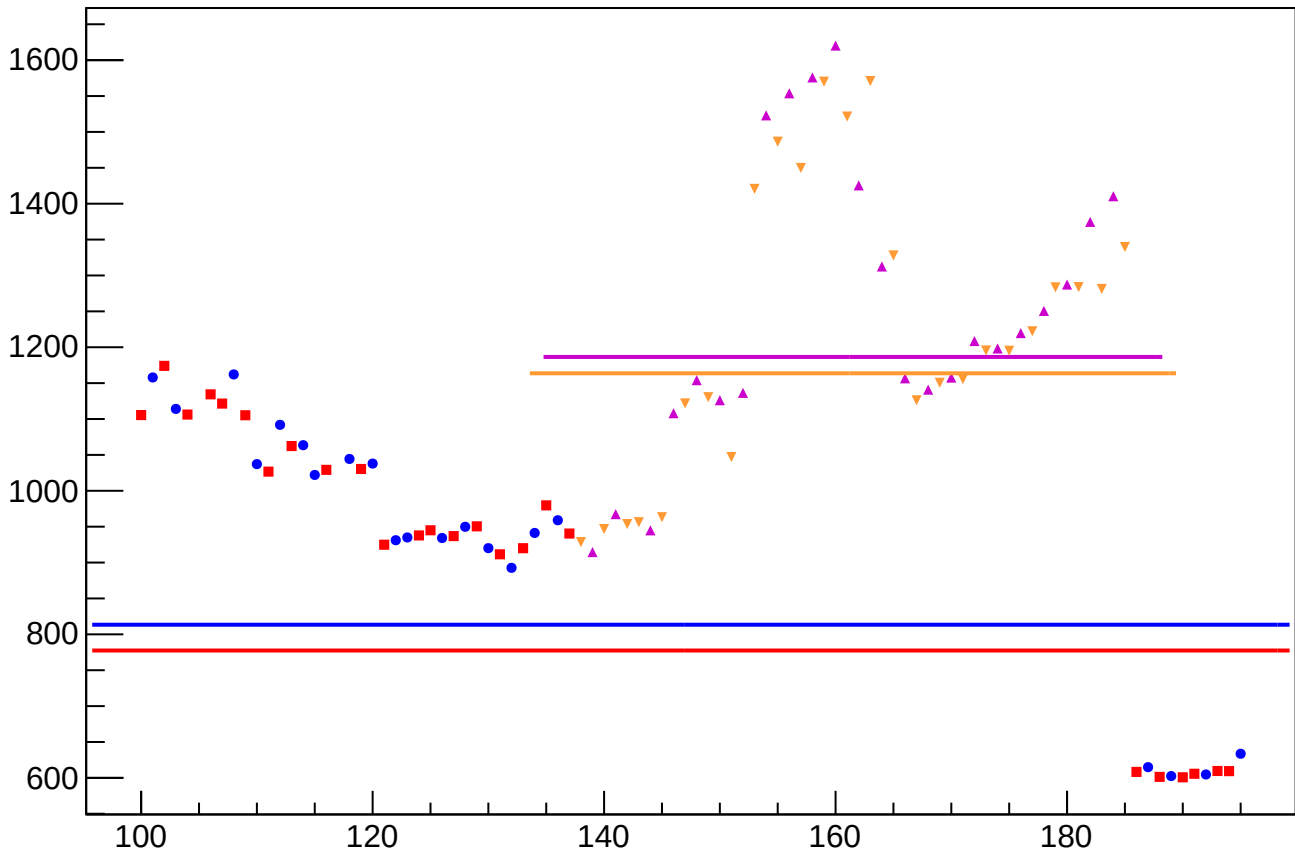
Left In: -42.077 ± 0.289 $\chi^2/\text{NDF}: 8332.3/22$

+ sign -28.137 ± 0.196 $\chi^2/\text{NDF}: 10757.4/45$

All: -18.930 ± 0.135 $\chi^2/\text{NDF}: 60721.3/93$

- sign -10.430 ± 0.188 $\chi^2/\text{NDF}: 45701.2/47$

diff_bpm2i02X_rms vs Slug



Right In: 813.390 ± 0.197 $\chi^2/\text{NDF}: 1068372.7/20$

Left Out: 1163.691 ± 0.195 $\chi^2/\text{NDF}: 936079.1/24$

Right Out: 777.464 ± 0.175 $\chi^2/\text{NDF}: 1394141.6/24$

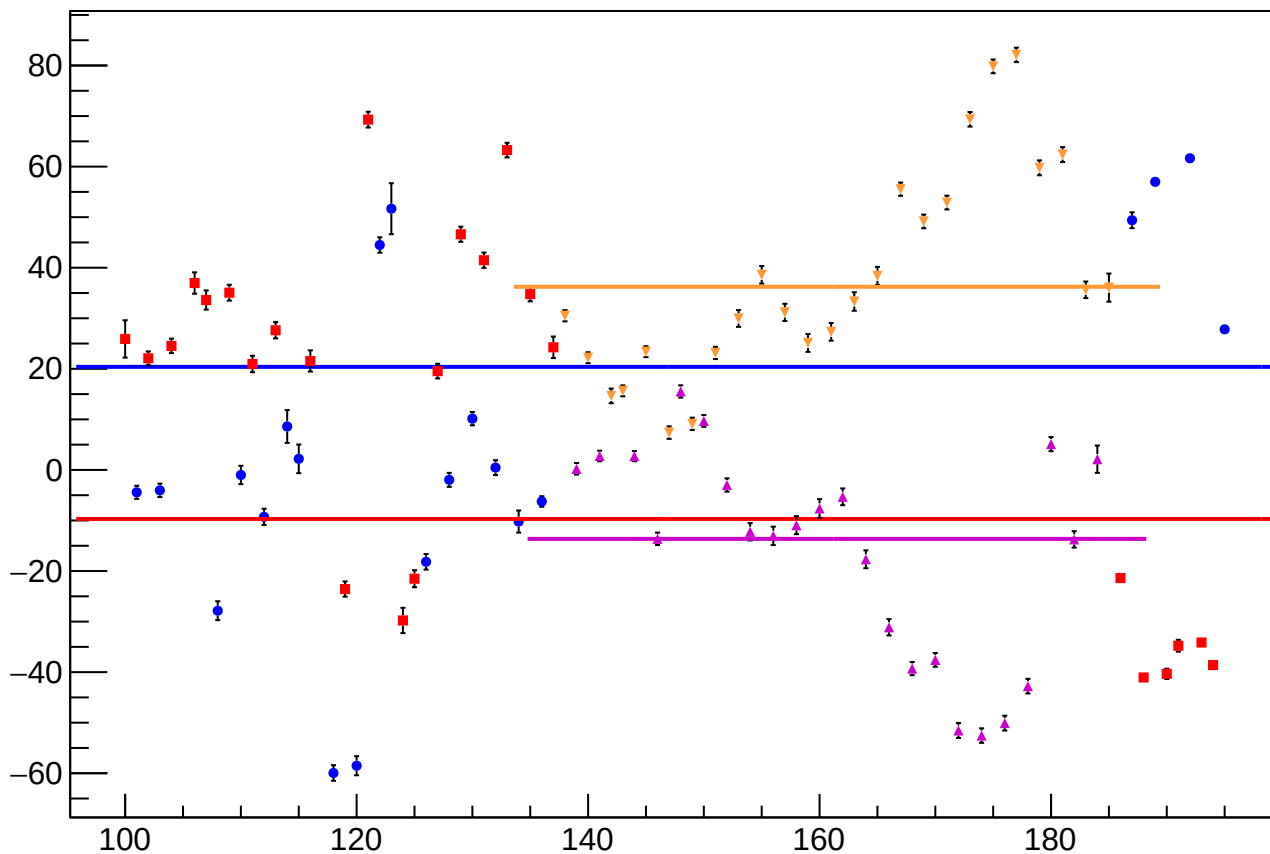
Left In: 1186.476 ± 0.204 $\chi^2/\text{NDF}: 833420.3/22$

+ sign 990.226 ± 0.138 $\chi^2/\text{NDF}: 3608418.8/45$

All: 969.448 ± 0.096 $\chi^2/\text{NDF}: 8191418.8/93$

- sign 950.266 ± 0.133 $\chi^2/\text{NDF}: 4539583.8/47$

diff_bpm2i02Y_mean vs Slug



Right In: 20.390 $\pm$ 0.277 χ^2 /NDF: 15174.4/20

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

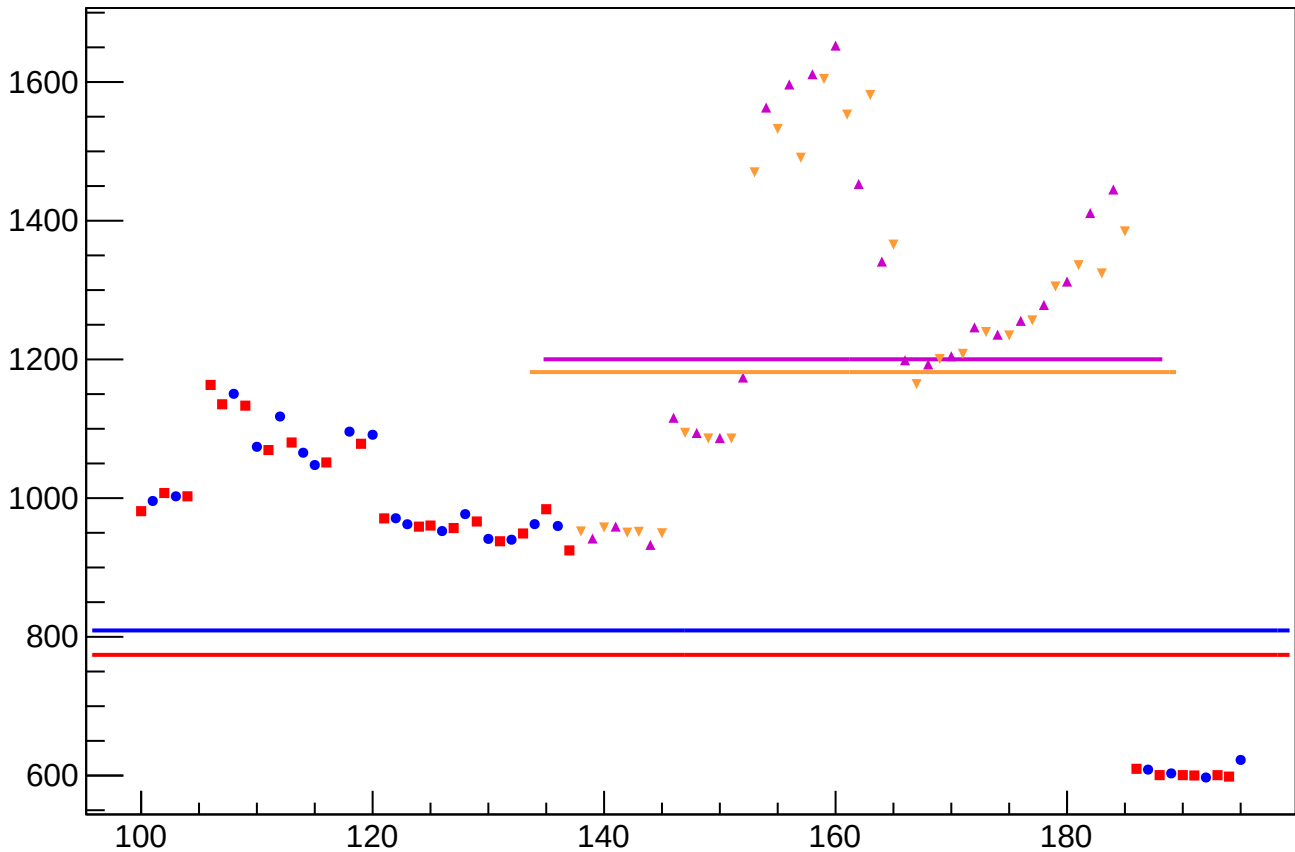
Left In: -13.640 $\pm$ 0.293 χ^2 /NDF: 5178.0/22

+ sign 28.221 $\pm$ 0.197 χ^2 /NDF: 22589.5/45

All: 7.598 $\pm$ 0.136 χ^2 /NDF: 69692.2/93

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

diff_bpm2i02Y_rms vs Slug



Right In: 809.228 $\pm$ 0.196 χ^2 /NDF: 1089608.8/20

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

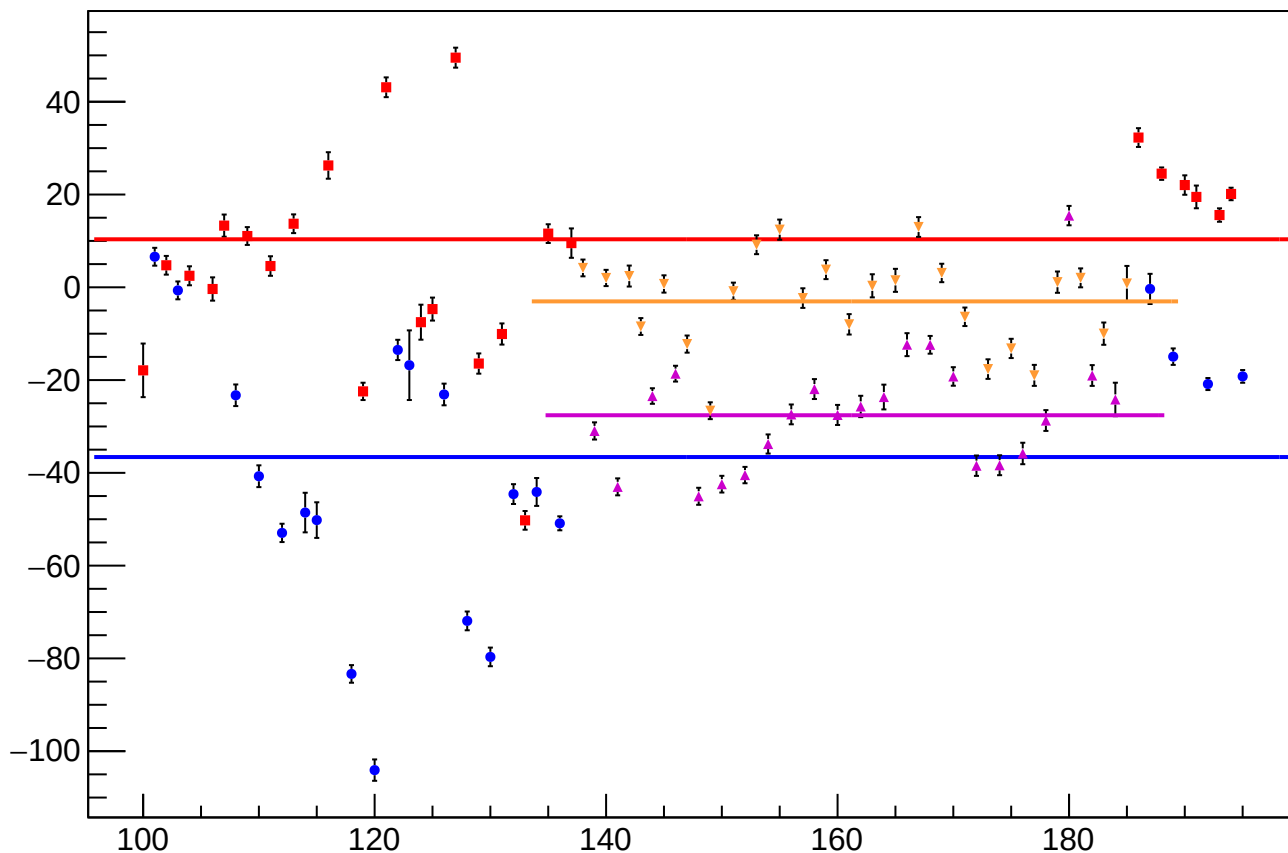
Left In: 1200.198 $\pm$ 0.207 χ^2 /NDF:938224.7/22

+ sign 993.332 $\pm$ 0.139 χ^2 /NDF: 3925053.7/45

All: 971.091 $\pm$ 0.096 χ^2 /NDF: 8820333.4/93

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

diff_bpm0i02X_mean vs Slug



Right In: -36.592 +/- 0.449 χ^2/NDF : 4048.9/20

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

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

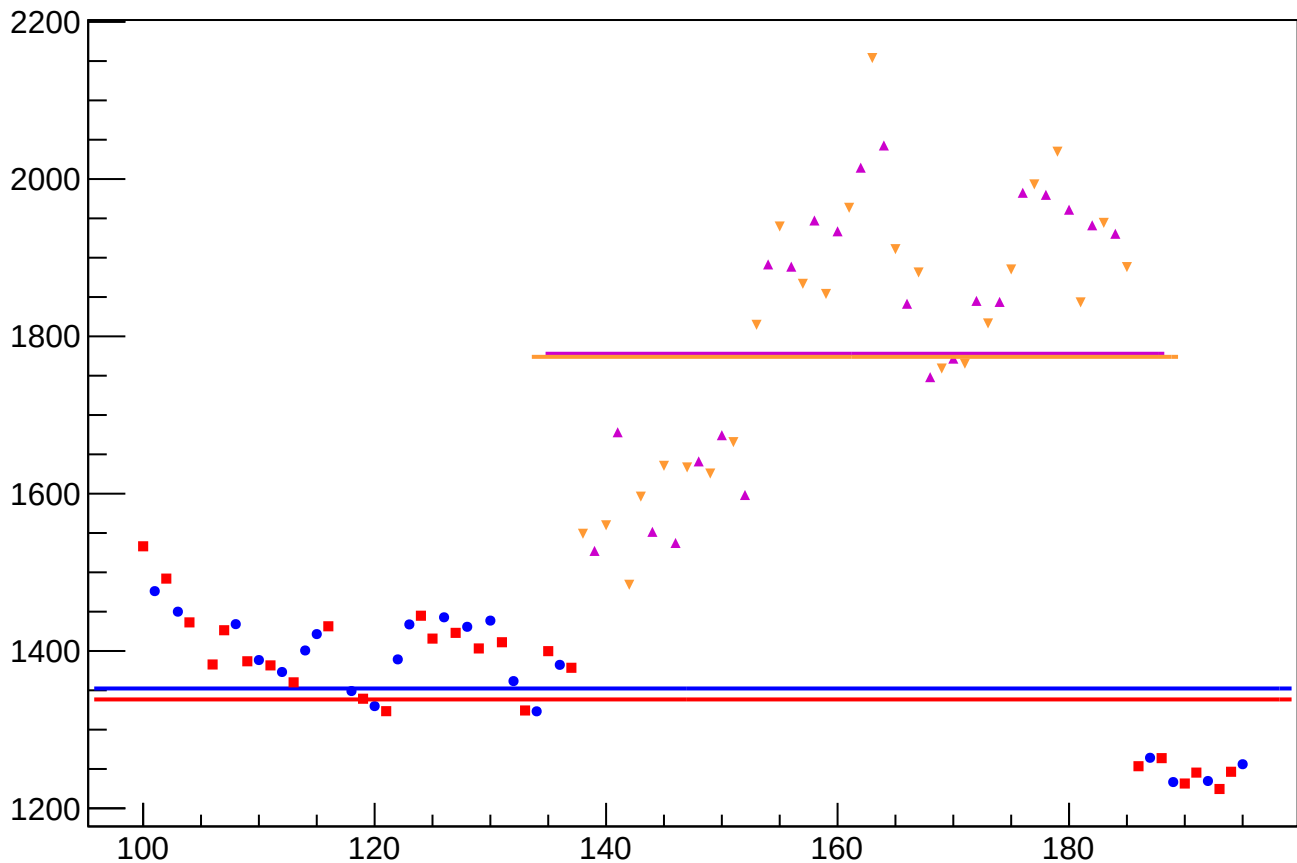
Left In: -27.583 +/- 0.429 χ^2/NDF : 960.1/22

+ sign -18.500 +/- 0.305 χ^2/NDF : 7616.1/45

All: -13.043 +/- 0.213 χ^2/NDF : 15784.9/93

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

diff_bpm0i02X_rms vs Slug



Right In: 1352.338 $\pm$ 0.317 χ^2 /NDF: 65979.2/20

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

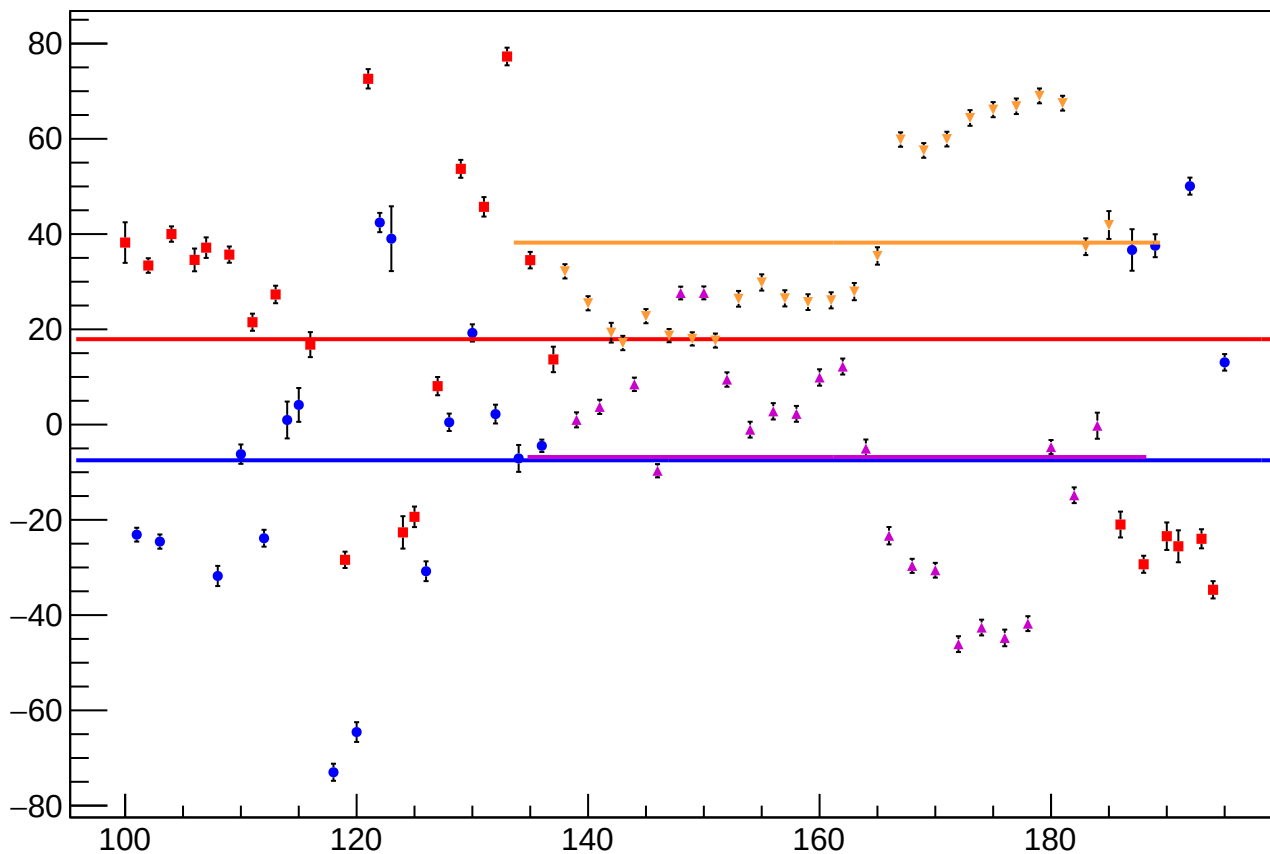
Left In: 1777.884 $\pm$ 0.303 χ^2 /NDF: 299514.0/22

+ sign 1579.667 $\pm$ 0.216 χ^2 /NDF: 1329955.2/45

All: 1564.103 $\pm$ 0.150 χ^2 /NDF: 2809821.0/93

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

diff_bpm0i02Y_mean vs Slug



Right In: -7.496 ± 0.433 χ^2/NDF : 5244.4/20

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

Right Out: 17.934 ± 0.408 χ^2/NDF : 6716.2/24

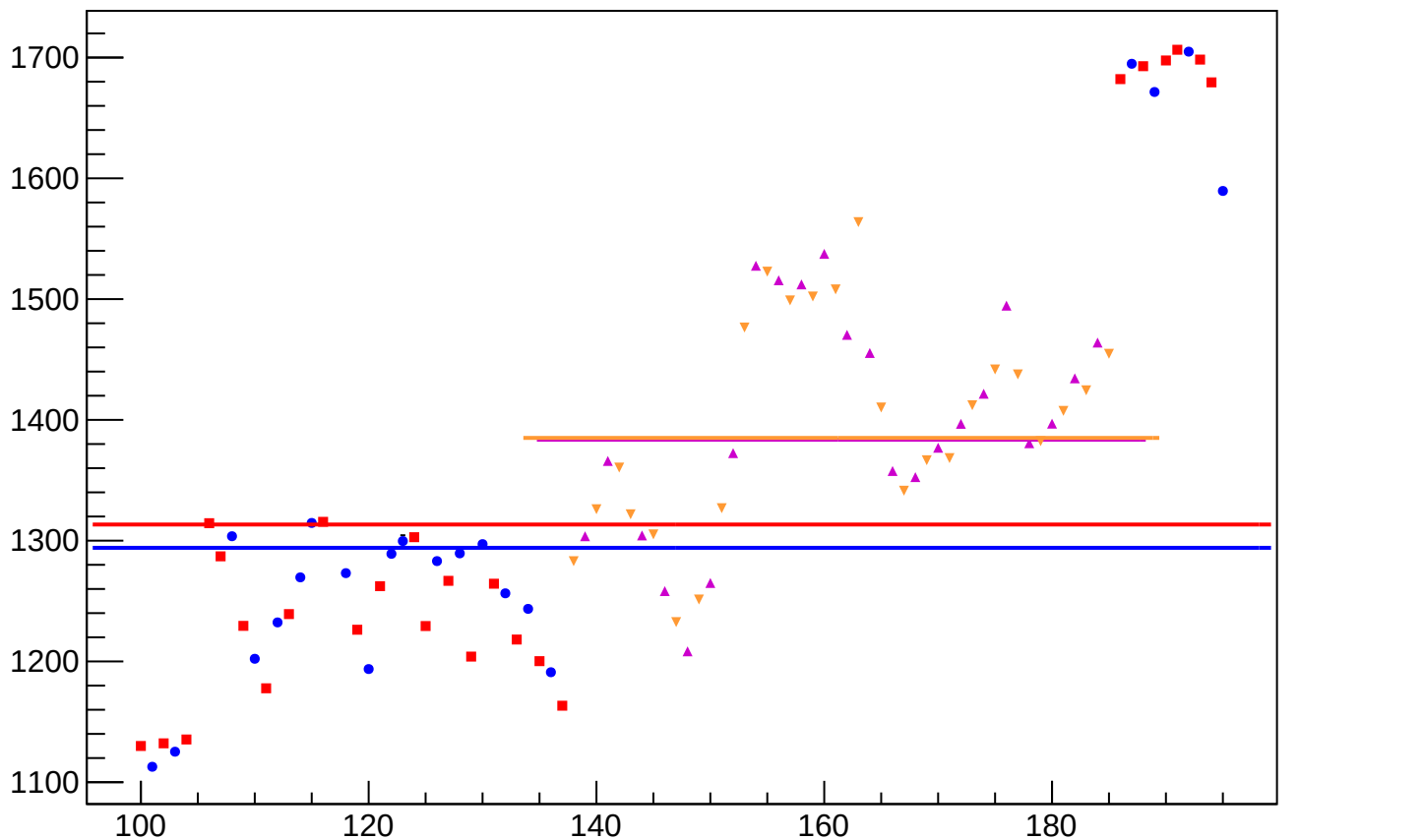
Left In: -6.808 ± 0.333 χ^2/NDF : 4494.5/22

+ sign 21.829 ± 0.259 χ^2/NDF : 15916.1/45

All: 12.416 ± 0.183 χ^2/NDF : 31963.3/93

- sign 3.074 ± 0.258 χ^2/NDF : 13416.0/47

diff_bpm0i02Y_rms vs Slug



Right In: 1294.075+/-0.306 χ^2/NDF : 311715.0/20

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

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

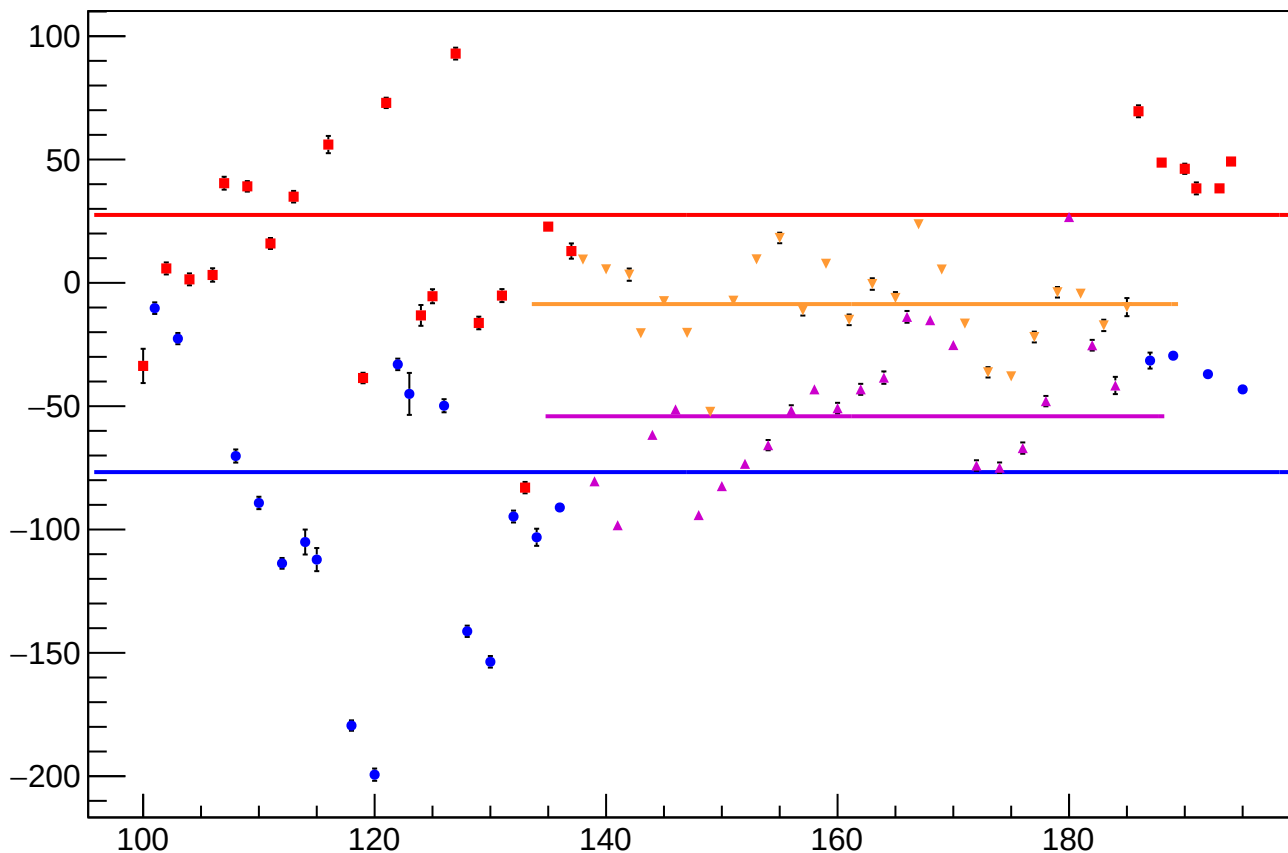
Left In: 1383.558+/-0.235 χ^2/NDF : 154696.0/22

+ sign 1352.459+/-0.183 χ^2/NDF : 514455.7/45

All: 1353.995+/-0.129 χ^2/NDF : 1163742.9/93

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

diff_bpm0i02aX_mean vs Slug



Right In: -76.723 ± 0.488 χ^2/NDF : 11463.5/20

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

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

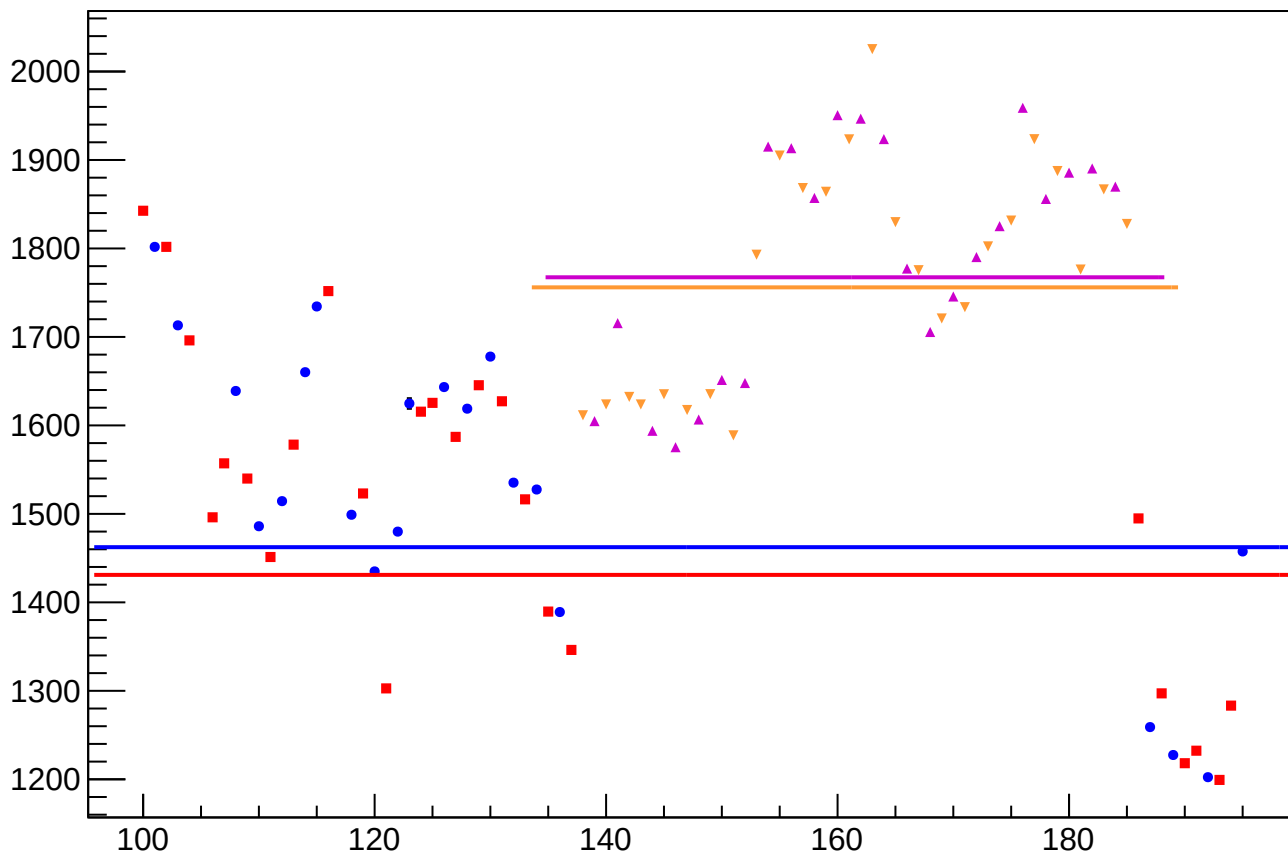
Left In: -54.089 ± 0.426 χ^2/NDF : 4721.6/22

+ sign -36.793 ± 0.314 χ^2/NDF : 24803.9/45

All: -25.614 ± 0.220 χ^2/NDF : 56275.9/93

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

diff_bpm0i02aX_rms vs Slug



Right In: 1462.368 $\pm$ 0.345 χ^2 /NDF: 258373.7/20

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

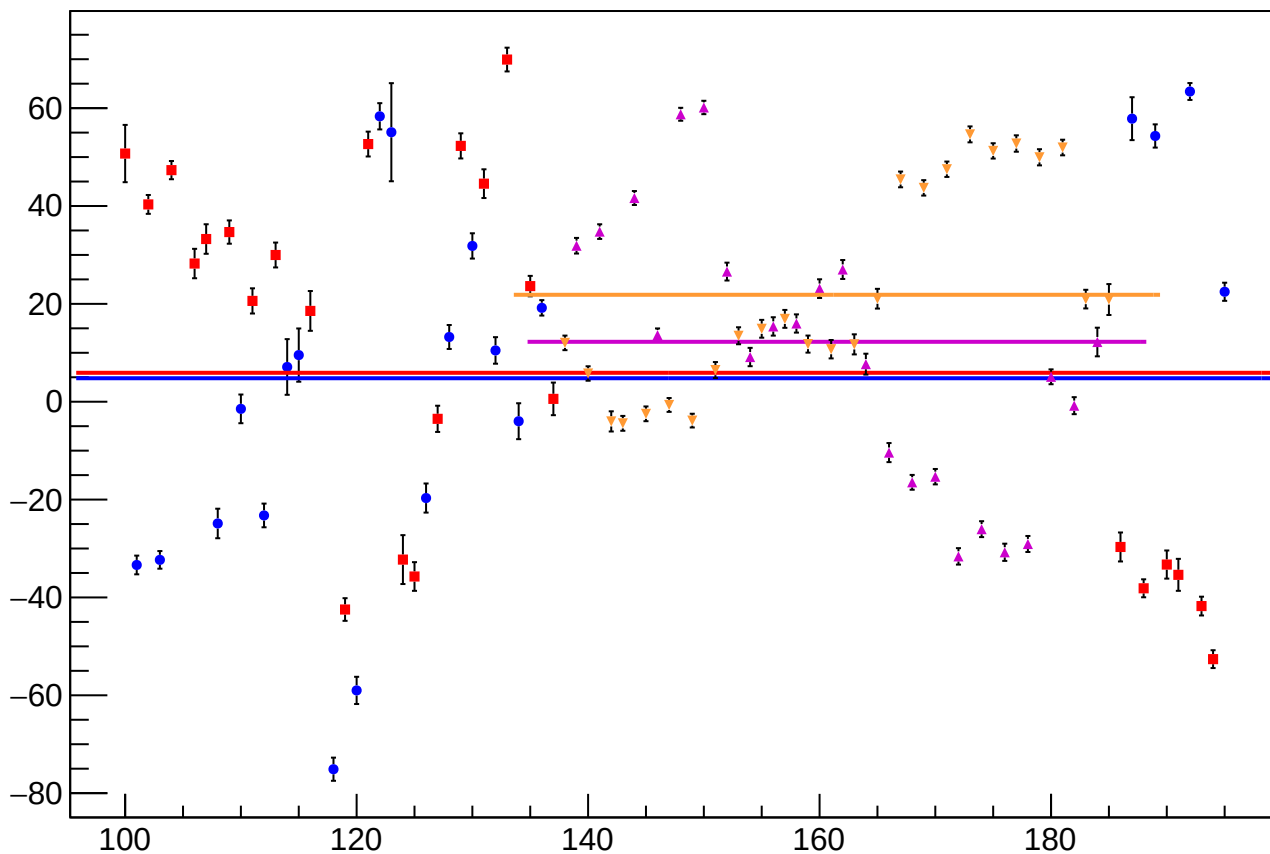
Left In: 1767.410 $\pm$ 0.301 χ^2 /NDF:187958.2/22

+ sign 1634.512 $\pm$ 0.222 χ^2 /NDF: 858273.1/45

All: 1619.957 $\pm$ 0.155 χ^2 /NDF: 1961299.6/93

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

diff_bpm0i02aY_mean vs Slug



Right In: 4.797 ± 0.543 χ^2/NDF : 5256.0/20

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

Right Out: 5.912 ± 0.504 χ^2/NDF : 6317.3/24

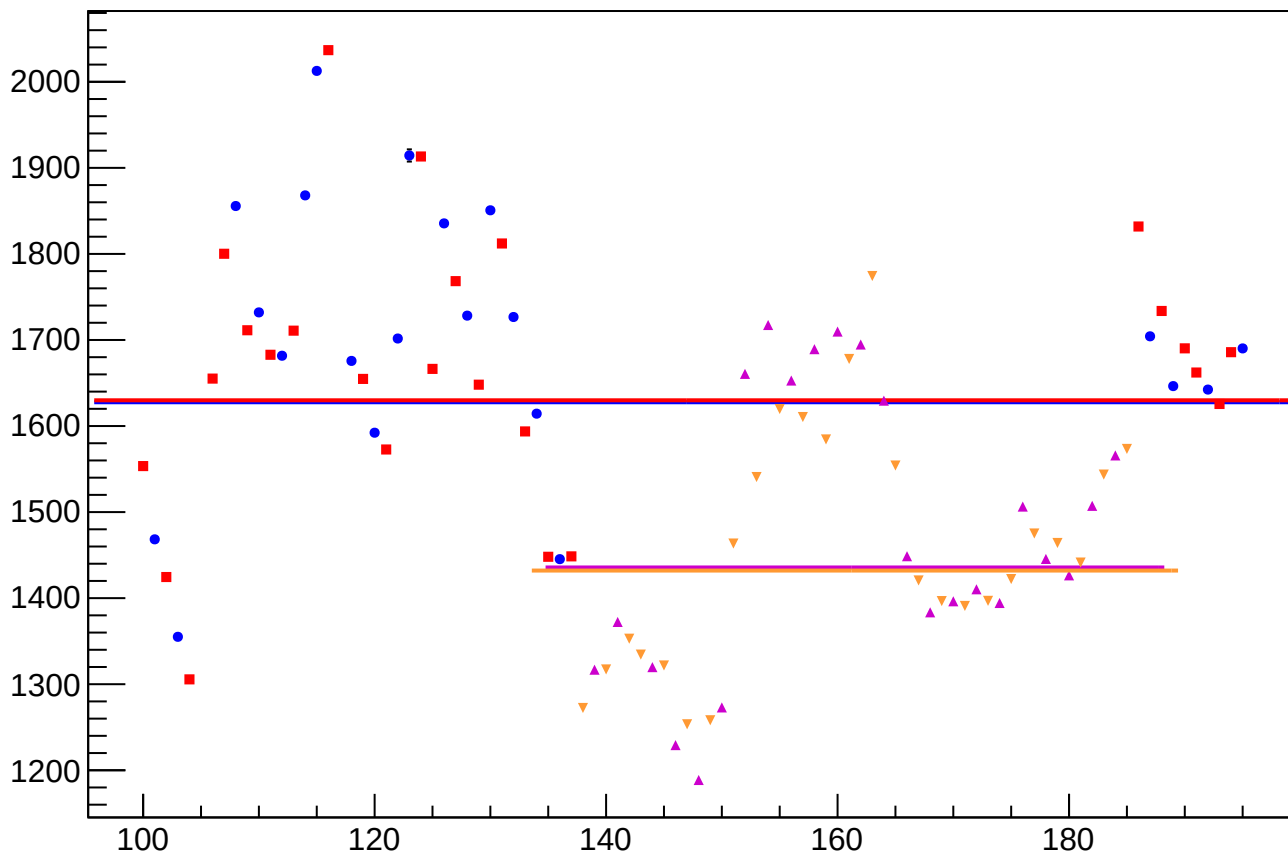
Left In: 12.246 ± 0.347 χ^2/NDF : 6781.6/22

+ sign 17.140 ± 0.285 χ^2/NDF : 10081.9/45

All: 13.680 ± 0.202 χ^2/NDF : 23582.8/93

- sign 10.207 ± 0.286 χ^2/NDF : 13206.1/47

diff_bpm0i02aY_rms vs Slug



Right In: 1627.635 ± 0.384 $\chi^2/\text{NDF}: 153087.4/20$

Left Out: 1432.060 ± 0.237 $\chi^2/\text{NDF}: 297360.3/24$

Right Out: 1629.913 ± 0.356 $\chi^2/\text{NDF}: 176826.5/24$

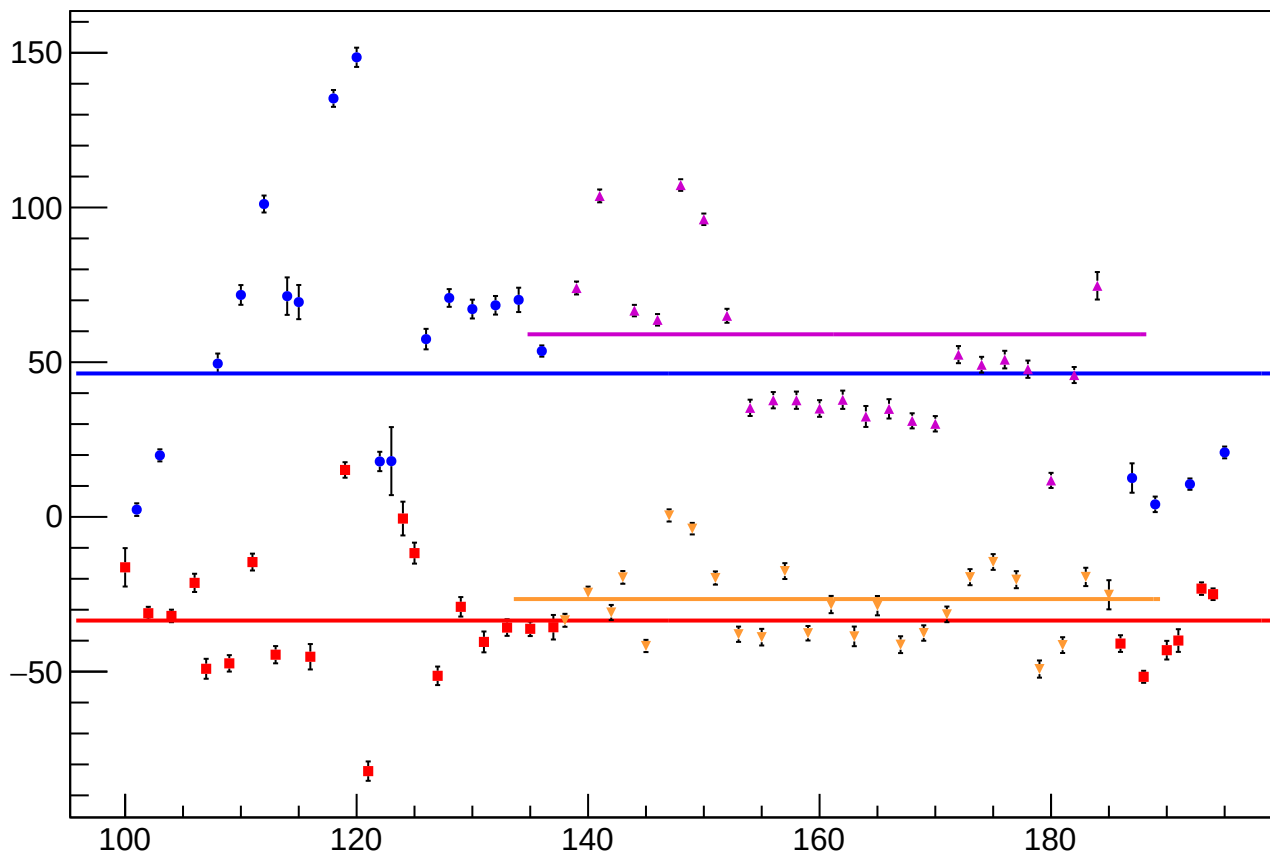
Left In: 1435.645 ± 0.245 $\chi^2/\text{NDF}: 420835.0/22$

+ sign 1486.121 ± 0.202 $\chi^2/\text{NDF}: 638513.9/45$

All: 1492.138 ± 0.143 $\chi^2/\text{NDF}: 1439683.2/93$

- sign 1498.179 ± 0.202 $\chi^2/\text{NDF}: 799385.5/47$

diff_bpm0i05X_mean vs Slug



Right In: 46.360 ± 0.596 χ^2/NDF : 4516.4/20

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

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

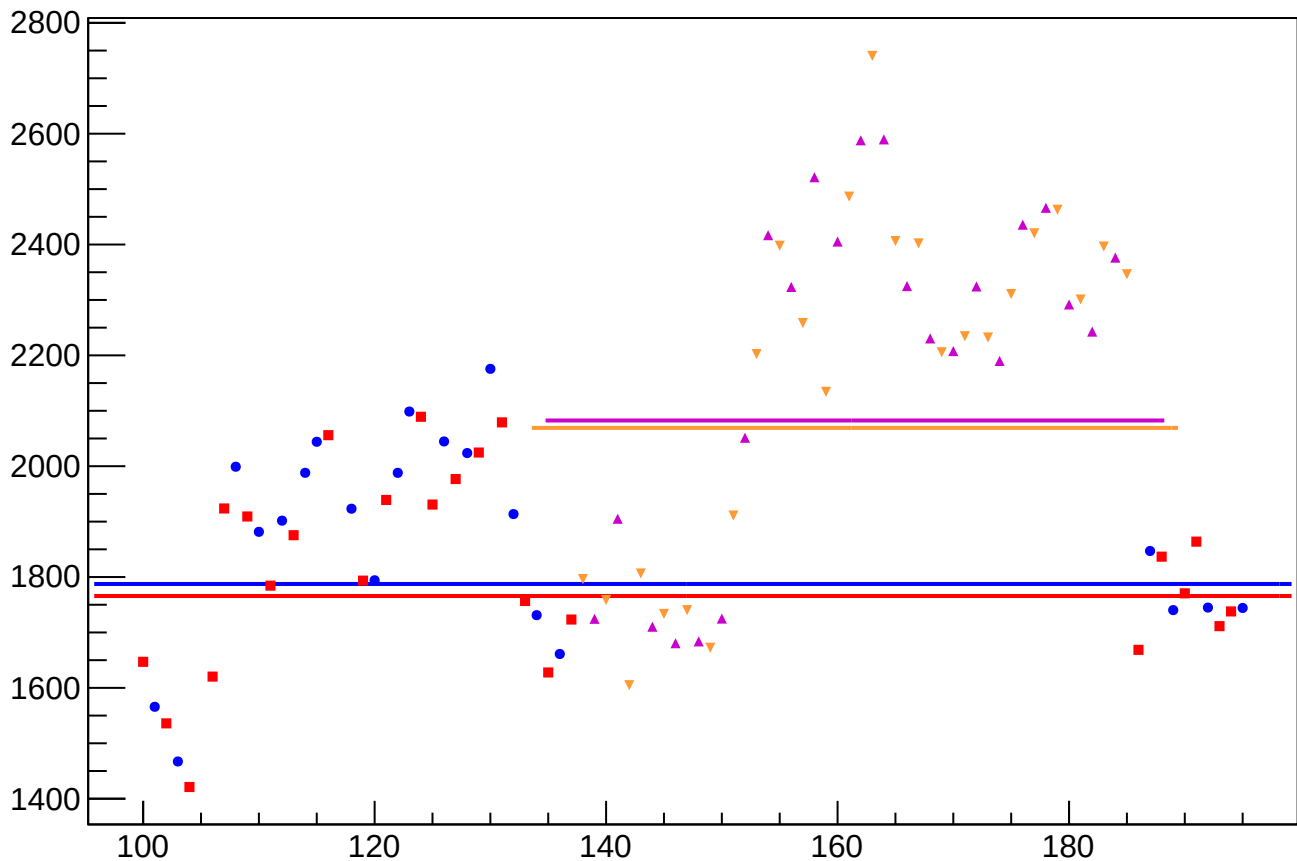
Left In: 59.014 ± 0.506 χ^2/NDF : 2783.8/22

+ sign 2.692 ± 0.378 χ^2/NDF : 14193.3/45

All: 9.559 ± 0.265 χ^2/NDF : 34118.1/93

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

diff_bpm0i05X_rms vs Slug



Right In: 1787.490+/-0.422 χ^2/NDF : 187531.6/20

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

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

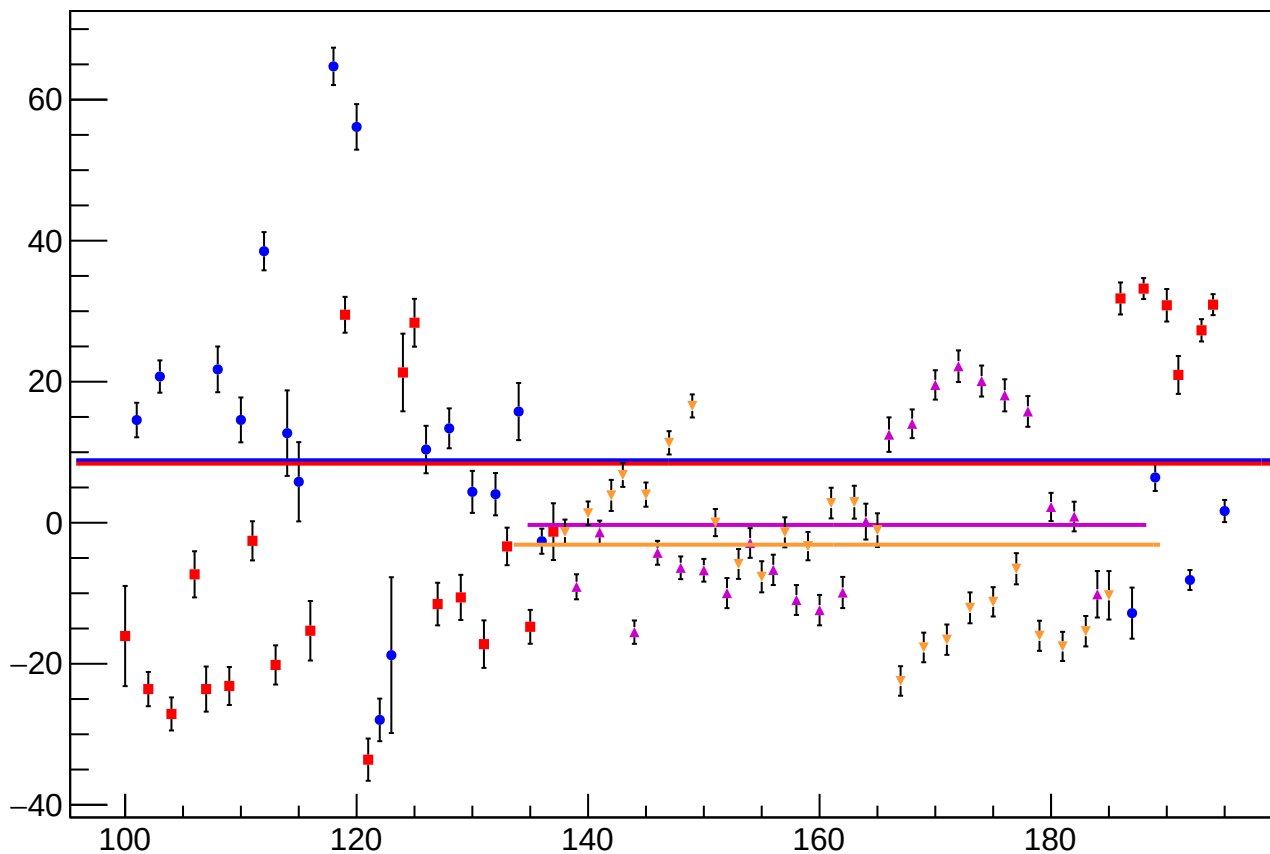
Left In: 2082.497+/-0.358 χ^2/NDF : 785304.0/22

+ sign 1956.174+/-0.267 χ^2/NDF : 1253948.2/45

All: 1945.872+/-0.187 χ^2/NDF : 2590659.7/93

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

diff_bpm0i05Y_mean vs Slug



Right In: 8.856 ± 0.562 χ^2/NDF : 1239.2/20

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

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

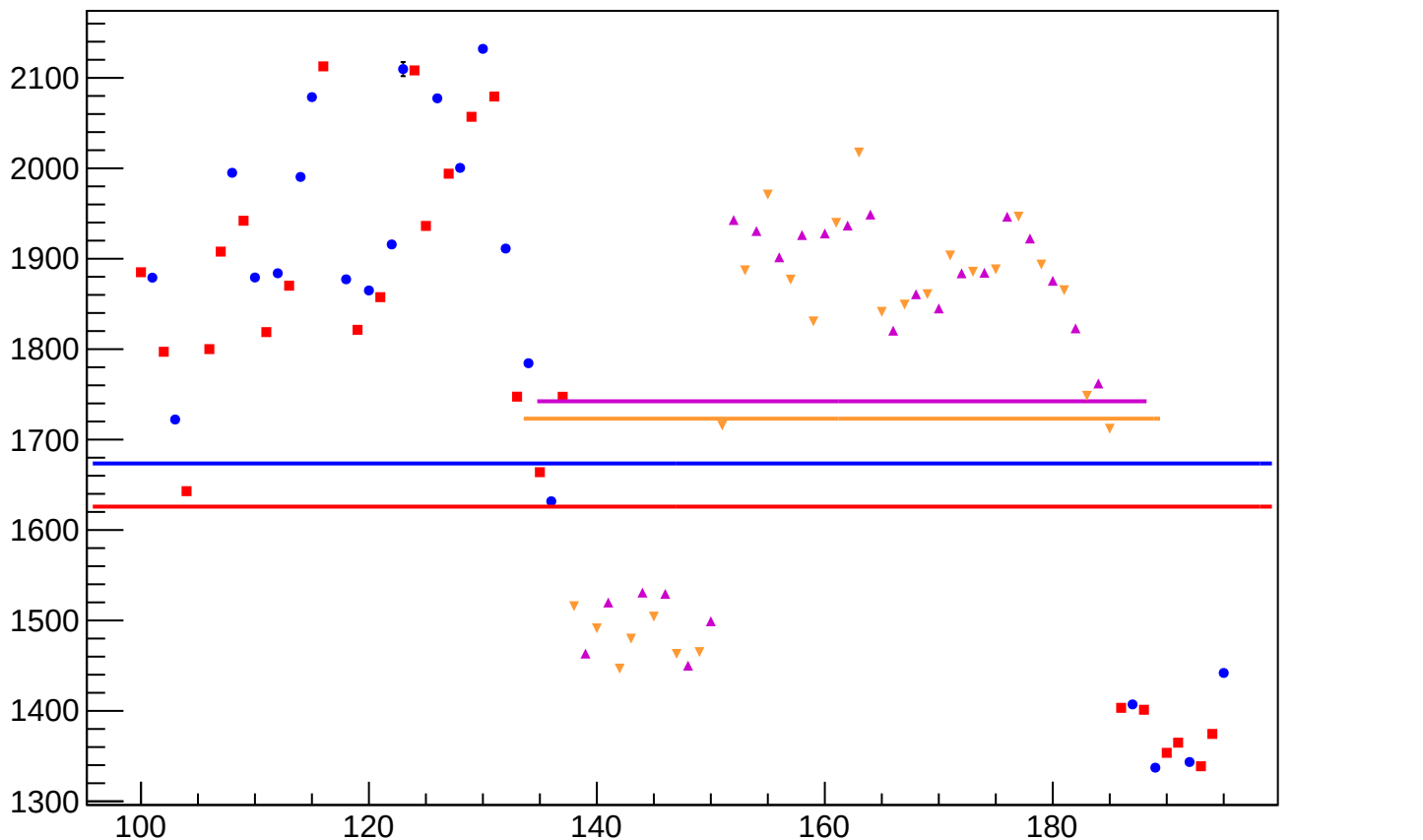
Left In: -0.312 ± 0.421 χ^2/NDF : 736.5/22

+ sign 0.968 ± 0.328 χ^2/NDF : 2181.8/45

All: 2.121 ± 0.230 χ^2/NDF : 5380.4/93

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

diff_bpm0i05Y_rms vs Slug



Right In: 1673.595 $\pm$ 0.397 χ^2 /NDF: 448117.9/20

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

Right Out: 1625.873 $\pm$ 0.358 χ^2 /NDF: 512866.8/24

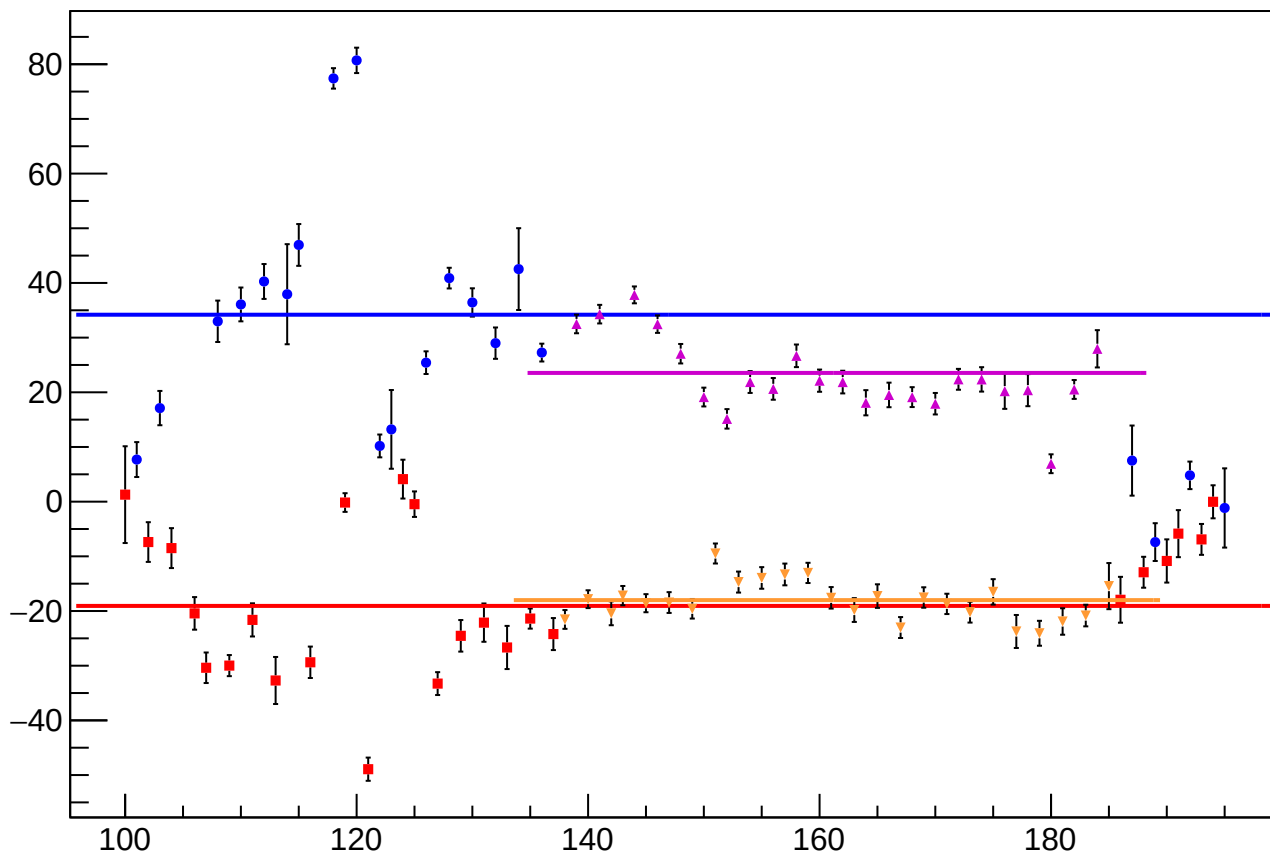
Left In: 1742.354 $\pm$ 0.298 χ^2 /NDF: 435841.5/22

+ sign 1706.267 $\pm$ 0.232 χ^2 /NDF: 935813.1/45

All: 1700.417 $\pm$ 0.163 χ^2 /NDF: 1948356.4/93

- sign 1694.723 $\pm$ 0.229 χ^2 /NDF: 1011289.0/47

diff_bpm0i07X_mean vs Slug



Right In: 34.190 $\pm$ 0.605 χ^2 /NDF: 1566.1/20

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

Right Out: -19.066 $\pm$ 0.557 χ^2 /NDF: 658.9/24

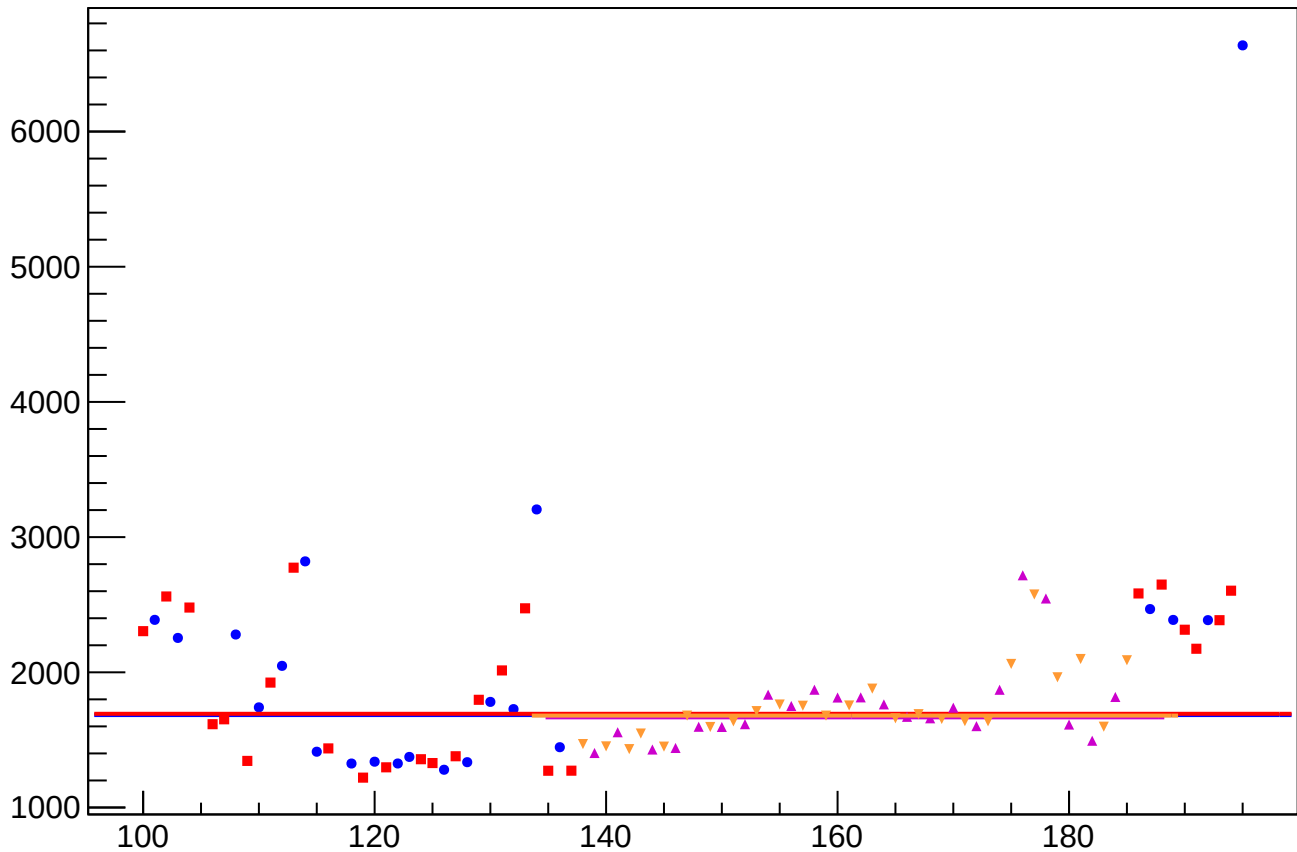
Left In: 23.544 $\pm$ 0.406 χ^2 /NDF: 346.7/22

+ sign -2.299 $\pm$ 0.332 χ^2 /NDF: 6850.4/45

All: 3.298 $\pm$ 0.233 χ^2 /NDF: 12245.3/93

- sign 8.768 $\pm$ 0.328 χ^2 /NDF: 4831.8/47

diff_bpm0i07X_rms vs Slug



Right In: 1683.704+/-0.428 χ^2/NDF : 1936560.8/20

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

Right Out: 1693.175+/-0.394 χ^2/NDF : 1709872.4/24

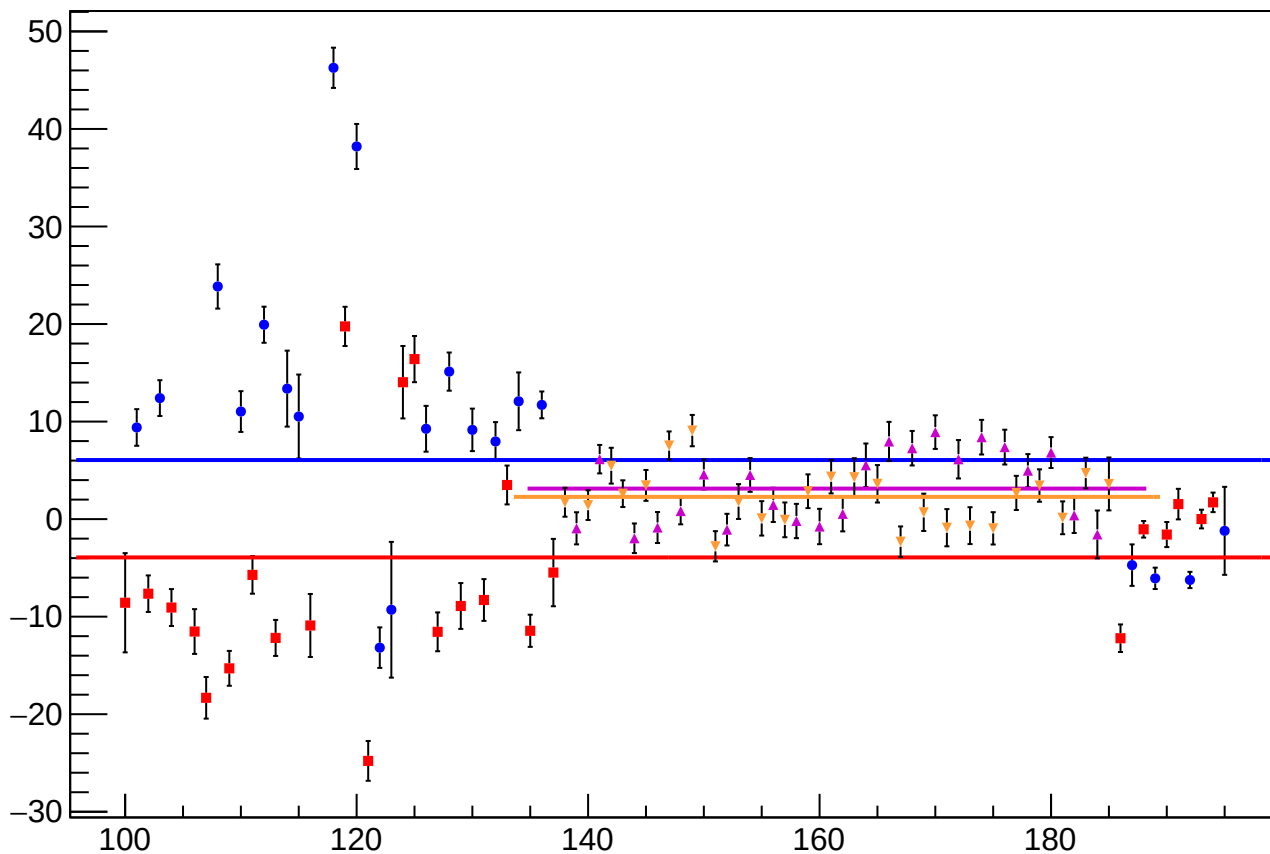
Left In: 1666.819+/-0.287 χ^2/NDF : 650990.8/22

+ sign 1680.985+/-0.235 χ^2/NDF : 2459414.3/45

All: 1678.443+/-0.165 χ^2/NDF : 4823437.5/93

- sign 1675.958+/-0.232 χ^2/NDF : 2363790.9/47

diff_bpm0i07Y_mean vs Slug



Right In: 6.057 ± 0.402 χ^2/NDF : 1224.5/20

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

Right Out: -3.927 ± 0.332 χ^2/NDF : 643.5/24

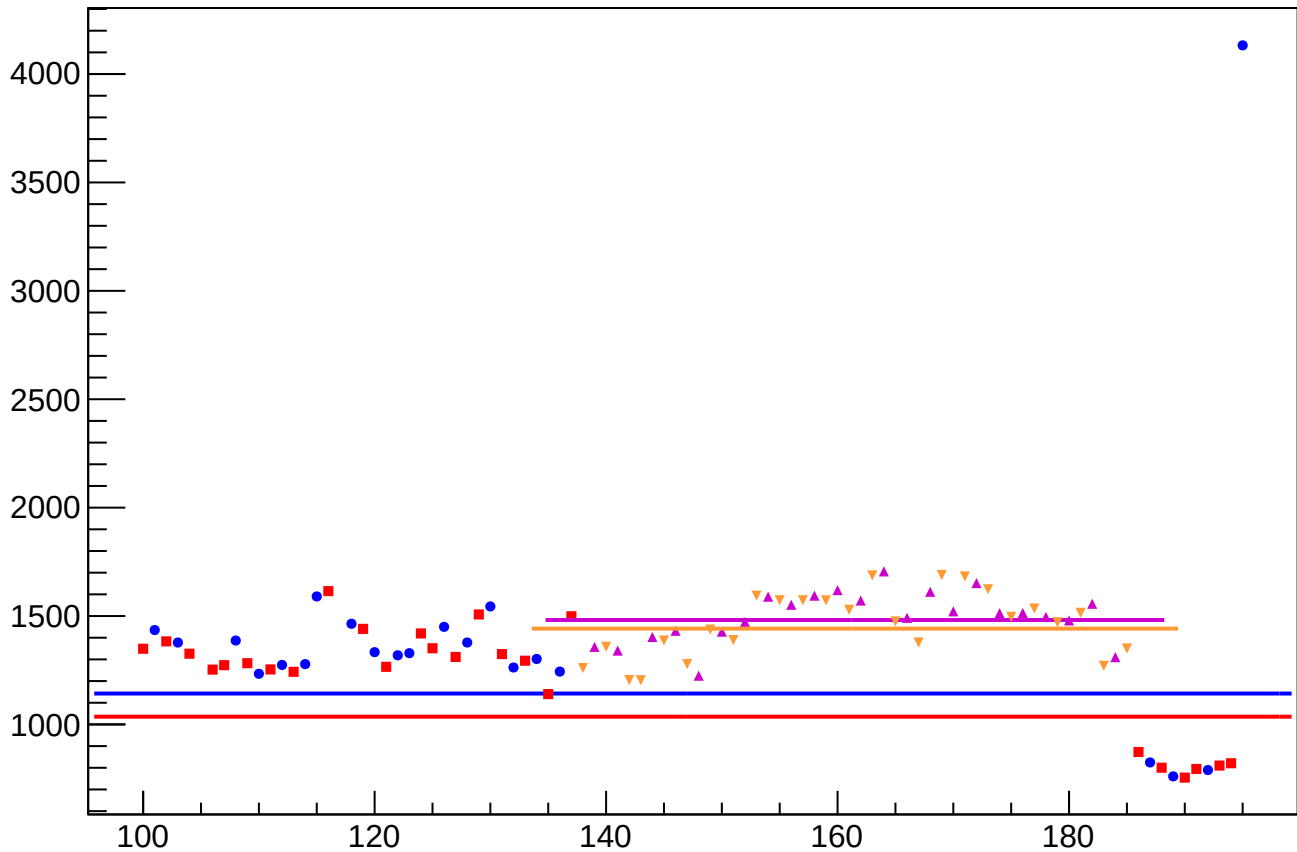
Left In: 3.129 ± 0.358 χ^2/NDF : 103.4/22

+ sign 3.846 ± 0.259 χ^2/NDF : 1351.8/45

All: 1.455 ± 0.177 χ^2/NDF : 2468.7/93

- sign -0.661 ± 0.243 χ^2/NDF : 955.9/47

diff_bpm0i07Y_rms vs Slug



Right In: 1142.548 $\pm$ 0.284 χ^2 /NDF: 1903936.4/20

Left Out: 1441.951 $\pm$ 0.239 χ^2 /NDF: 370617.4/24

Right Out: 1035.701 $\pm$ 0.235 χ^2 /NDF: 1241986.5/24

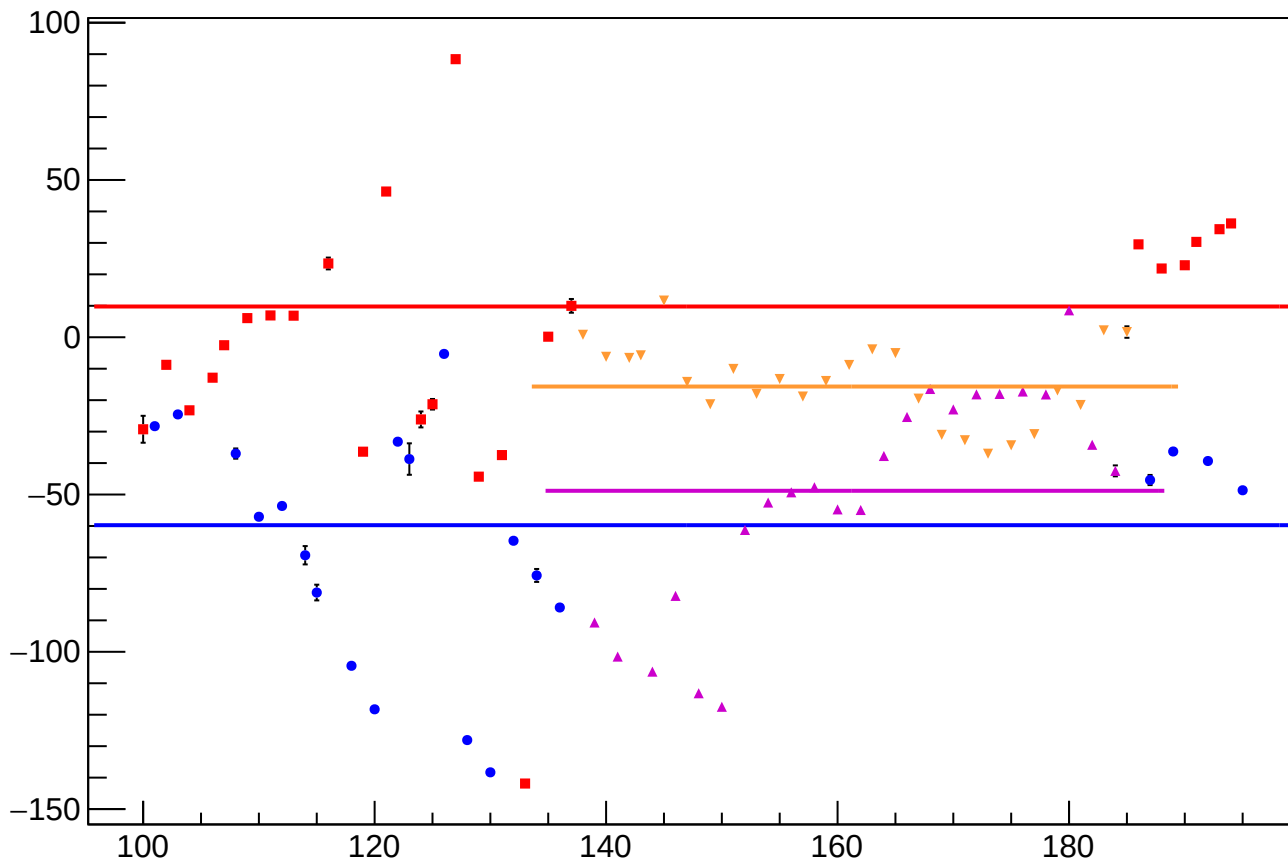
Left In: 1481.695 $\pm$ 0.253 χ^2 /NDF: 208470.6/22

+ sign 1317.782 $\pm$ 0.183 χ^2 /NDF: 2924443.0/45

All: 1277.652 $\pm$ 0.125 χ^2 /NDF: 6135982.0/93

- sign 1242.166 $\pm$ 0.172 χ^2 /NDF: 3120905.0/47

diff_bpm1i02X_mean vs Slug



Right In: -59.747 ± 0.275 $\chi^2/\text{NDF}: 14716.9/20$

Left Out: -15.666 ± 0.212 $\chi^2/\text{NDF}: 3518.1/24$

Right Out: 9.776 ± 0.247 $\chi^2/\text{NDF}: 24959.5/24$

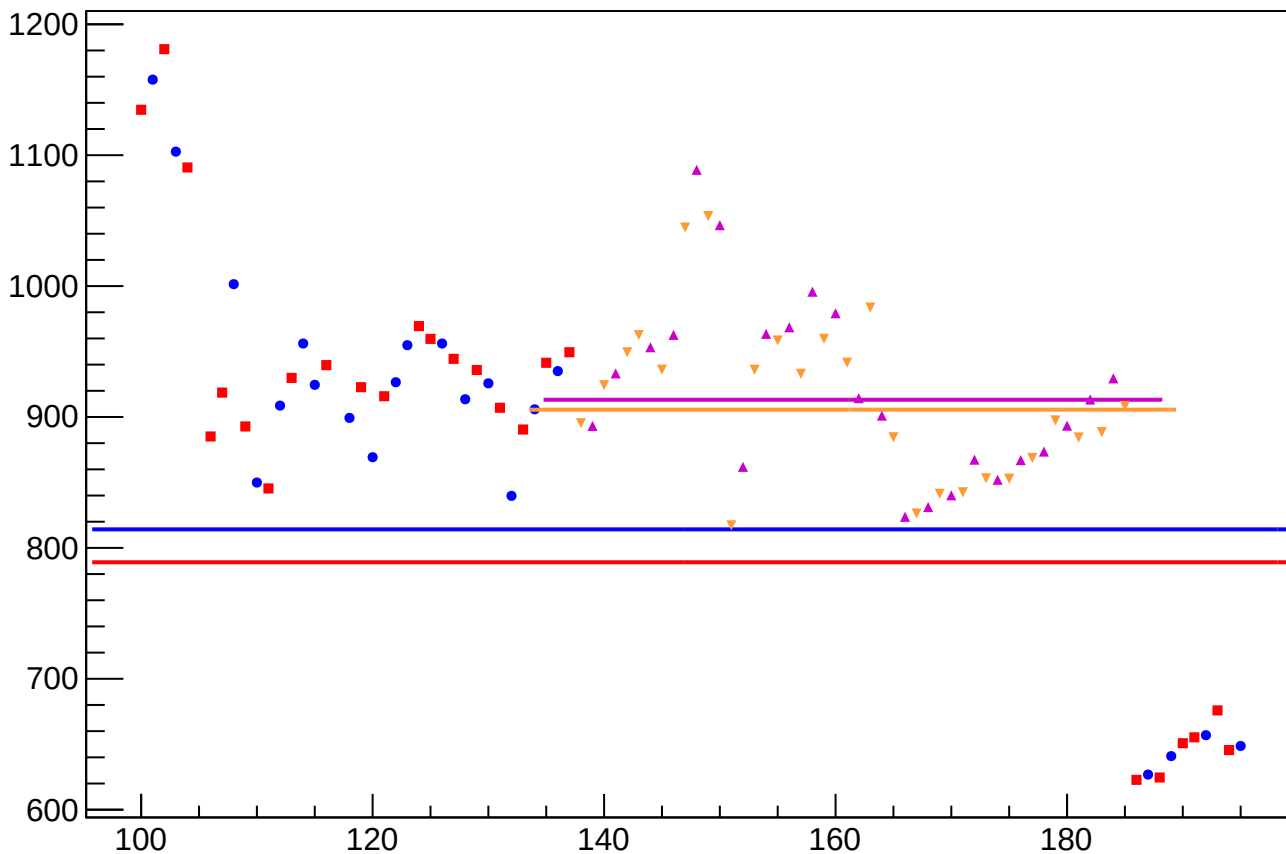
Left In: -48.812 ± 0.220 $\chi^2/\text{NDF}: 25260.8/22$

+ sign -32.067 ± 0.168 $\chi^2/\text{NDF}: 34395.1/45$

All: -27.418 ± 0.117 $\chi^2/\text{NDF}: 117467.5/93$

- sign -22.950 ± 0.164 $\chi^2/\text{NDF}: 81563.5/47$

diff_bpm1i02X_rms vs Slug



Right In: 814.165 $\pm$ 0.194 χ^2 /NDF: 639969.9/20

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

Right Out: 789.024 $\pm$ 0.175 χ^2 /NDF: 808642.5/24

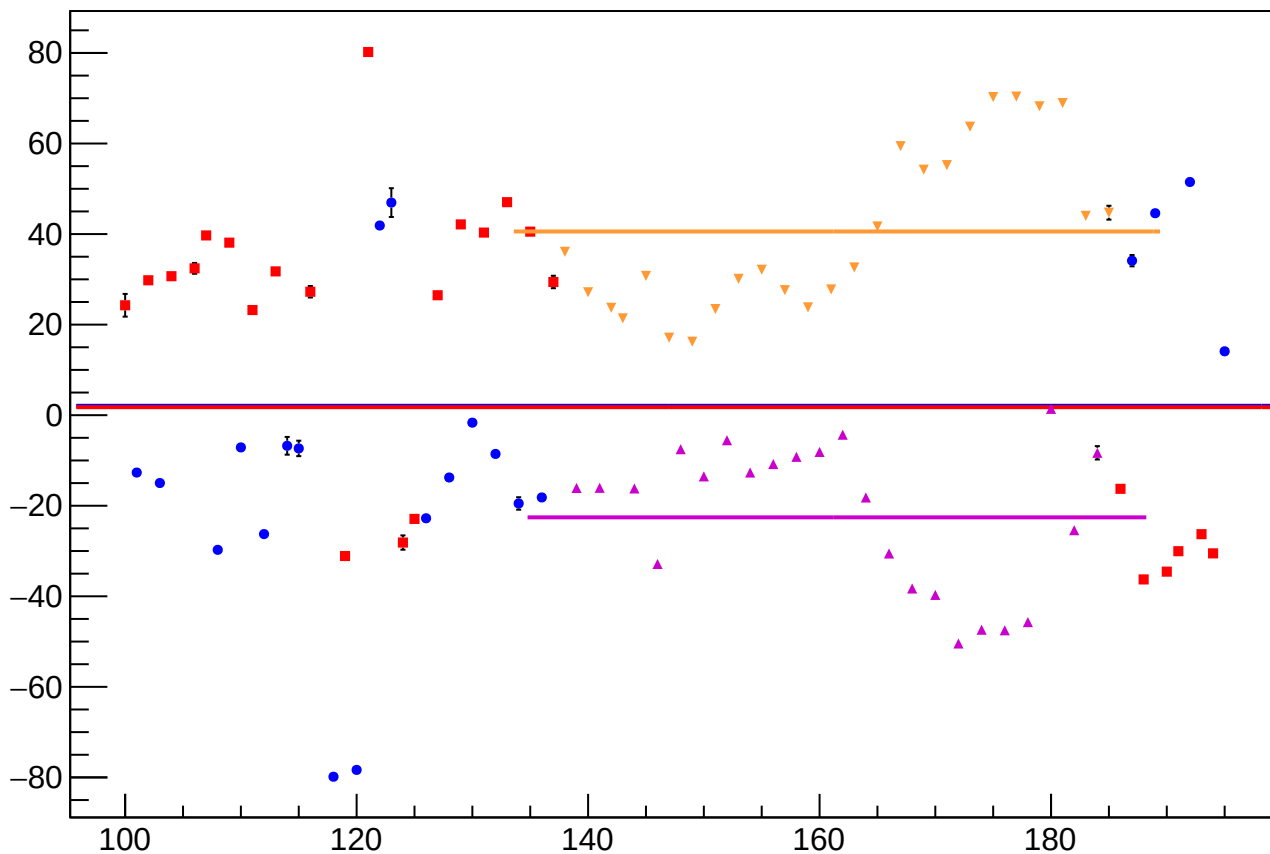
Left In: 913.165 $\pm$ 0.155 χ^2 /NDF: 174438.8/22

+ sign 871.566 $\pm$ 0.119 χ^2 /NDF: 941036.0/45

All: 864.835 $\pm$ 0.083 χ^2 /NDF: 2211879.7/93

- sign 858.365 $\pm$ 0.116 χ^2 /NDF: 1264517.5/47

diff_bpm1i02Y_mean vs Slug



Right In: 2.074 $\pm$ 0.191 χ^2 /NDF: 35119.6/20

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

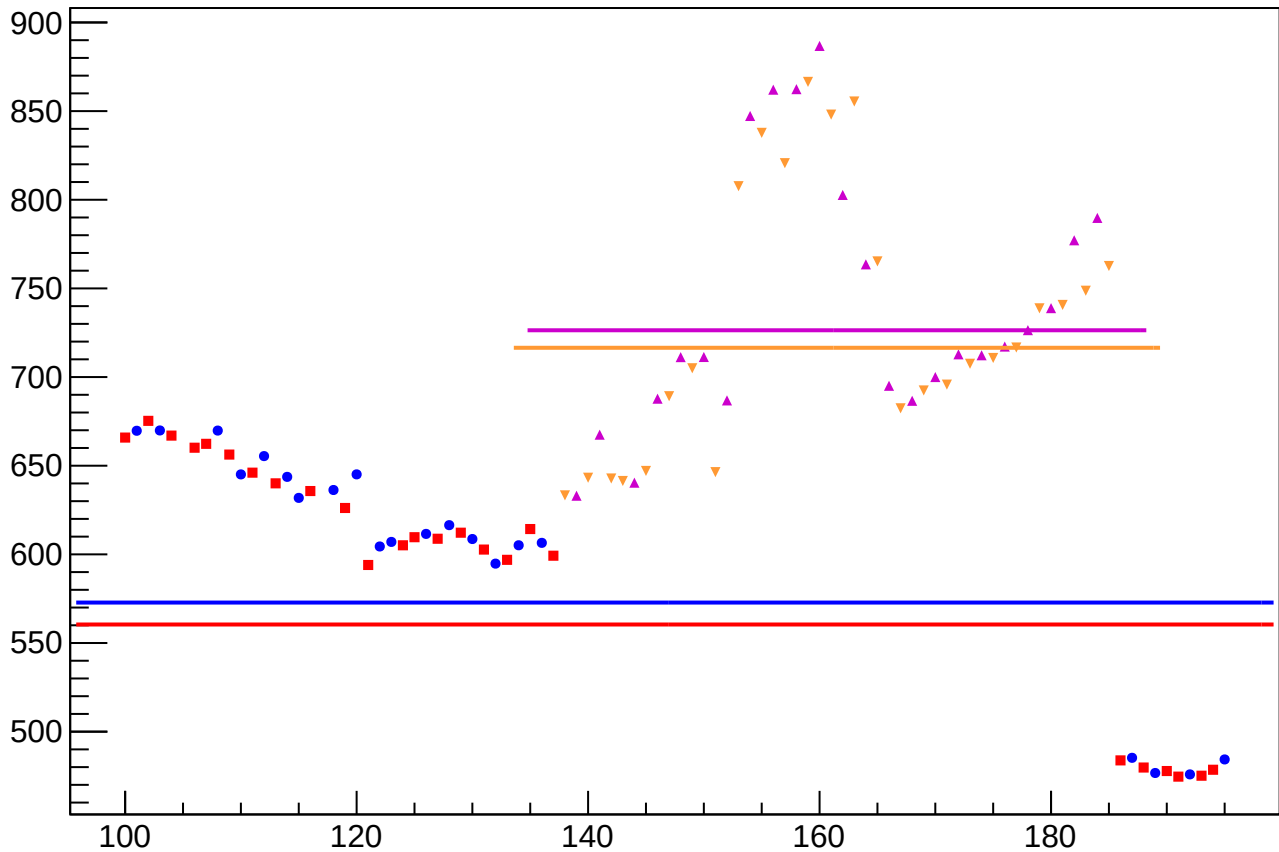
Left In: -22.565 $\pm$ 0.175 χ^2 /NDF:8167.7/22

+ sign 23.847 $\pm$ 0.126 χ^2 /NDF: 70057.7/45

All: 6.394 $\pm$ 0.088 χ^2 /NDF: 166220.5/93

- sign -10.301 $\pm$ 0.123 χ^2 /NDF: 58754.1/47

diff_bpm1i02Y_rms vs Slug



Right In: 572.816 $\pm$ 0.135 χ^2 /NDF: 313732.9/20

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

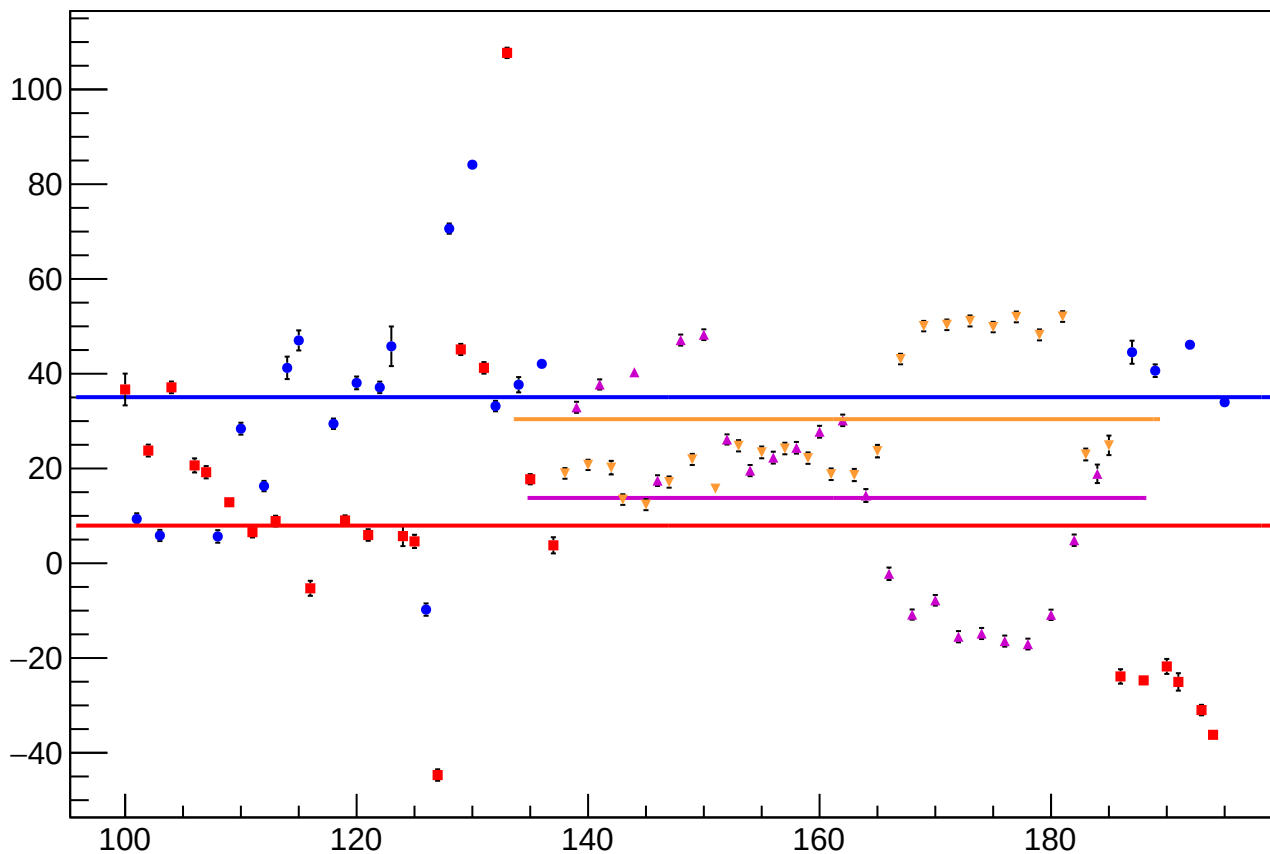
Left In: 726.390 $\pm$ 0.124 χ^2 /NDF:289788.8/22

+ sign 654.084 $\pm$ 0.089 χ^2 /NDF: 1293416.2/45

All: 648.291 $\pm$ 0.062 χ^2 /NDF: 2895259.3/93

- sign 642.751 $\pm$ 0.087 χ^2 /NDF: 1593602.8/47

diff_bpm1i04X_mean vs Slug



Right In: 35.054 $\pm$ 0.269 χ^2 /NDF: 6608.7/20

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

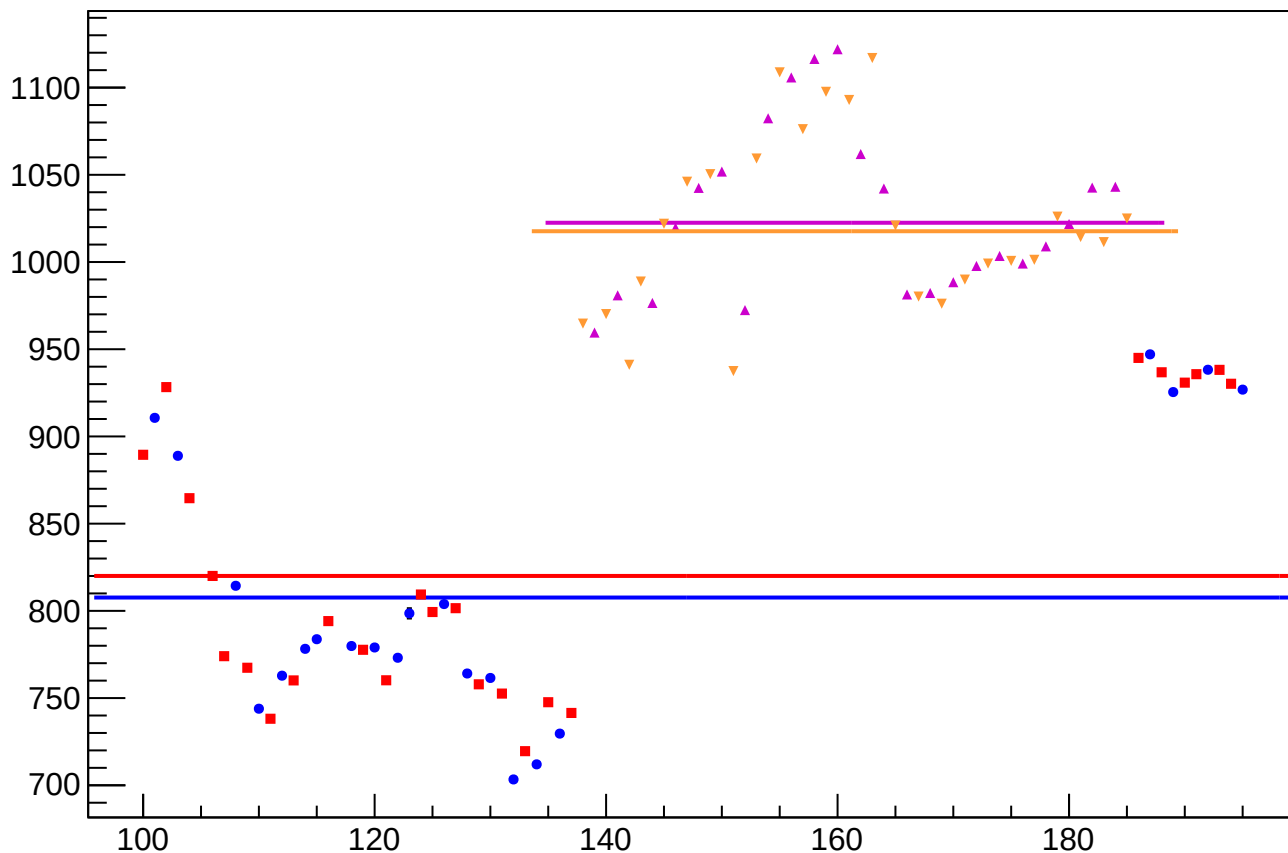
Left In: 13.787 $\pm$ 0.246 χ^2 /NDF:7979.7/22

+ sign 32.442 $\pm$ 0.178 χ^2 /NDF: 10584.4/45

All: 21.601 $\pm$ 0.125 χ^2 /NDF: 44610.8/93

- sign 10.955 $\pm$ 0.176 χ^2 /NDF: 26673.8/47

diff_bpm1i04X_rms vs Slug



Right In: 807.643 $\pm$ 0.190 χ^2 /NDF: 173545.2/20

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

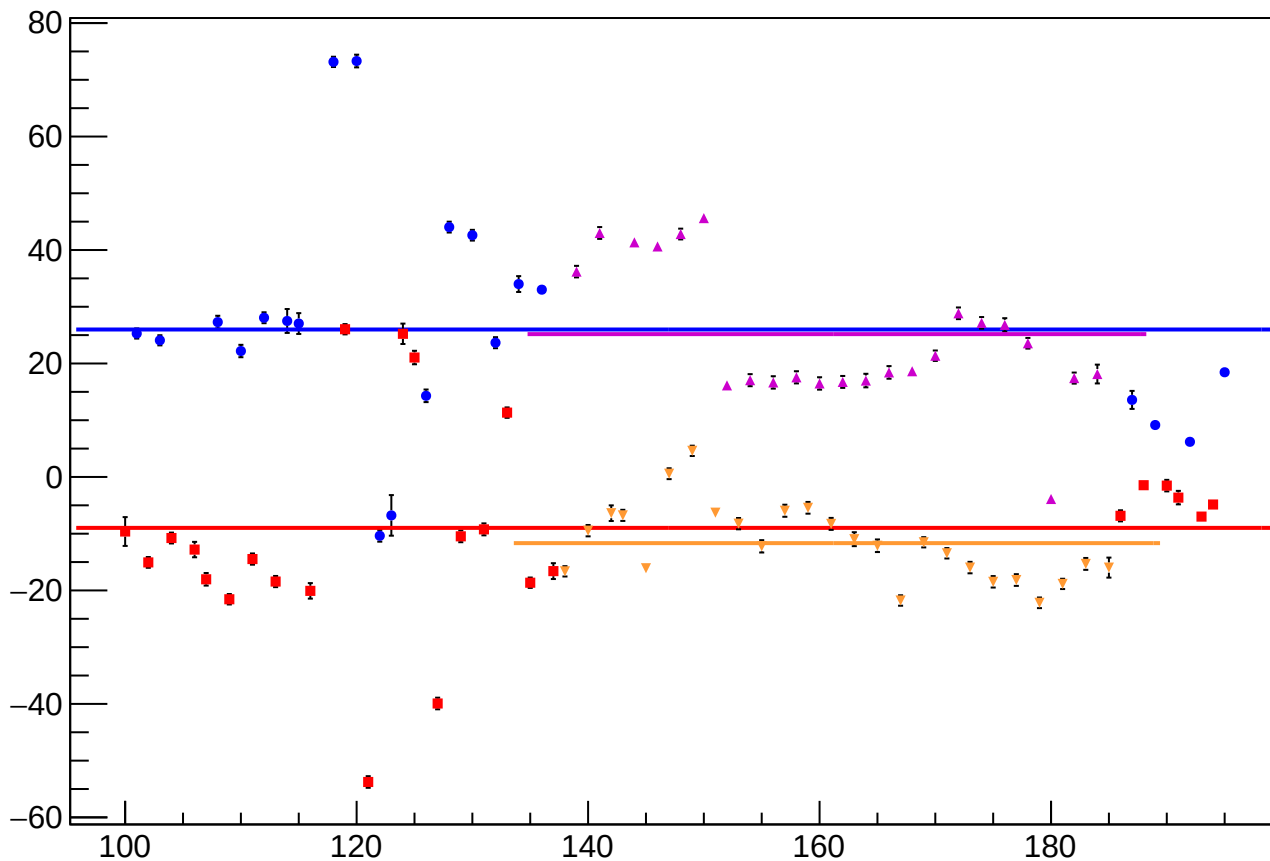
Left In: 1022.511 $\pm$ 0.174 χ^2 /NDF:69635.5/22

+ sign 925.705 $\pm$ 0.126 χ^2 /NDF: 942415.5/45

All: 924.985 $\pm$ 0.089 χ^2 /NDF: 1869157.7/93

- sign 924.277 $\pm$ 0.125 χ^2 /NDF: 926677.1/47

diff_bpm1i04Y_mean vs Slug



Right In: 25.990 $\pm$ 0.209 χ^2 /NDF: 8407.9/20

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

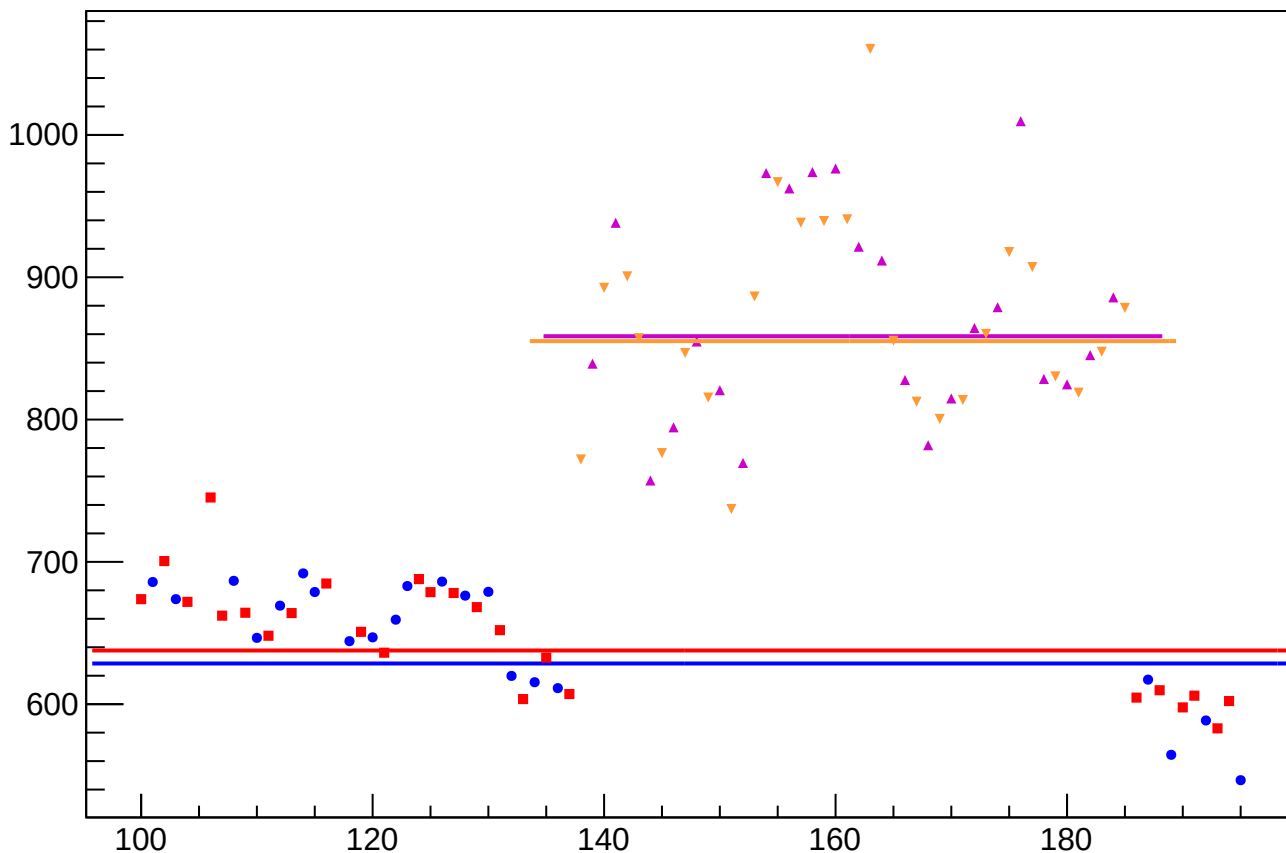
Left In: 25.174 $\pm$ 0.207 χ^2 /NDF:3747.1/22

+ sign 6.333 $\pm$ 0.145 χ^2 /NDF: 26448.5/45

All: 6.761 $\pm$ 0.102 χ^2 /NDF: 51204.5/93

- sign 7.176 $\pm$ 0.143 χ^2 /NDF: 24738.7/47

diff_bpm1i04Y_rms vs Slug



Right In: 628.587+/-0.148 χ^2/NDF : 104785.7/20

Left Out: 855.131+/-0.142 χ^2/NDF : 233746.7/24

Right Out: 637.726+/-0.139 χ^2/NDF : 73362.5/24

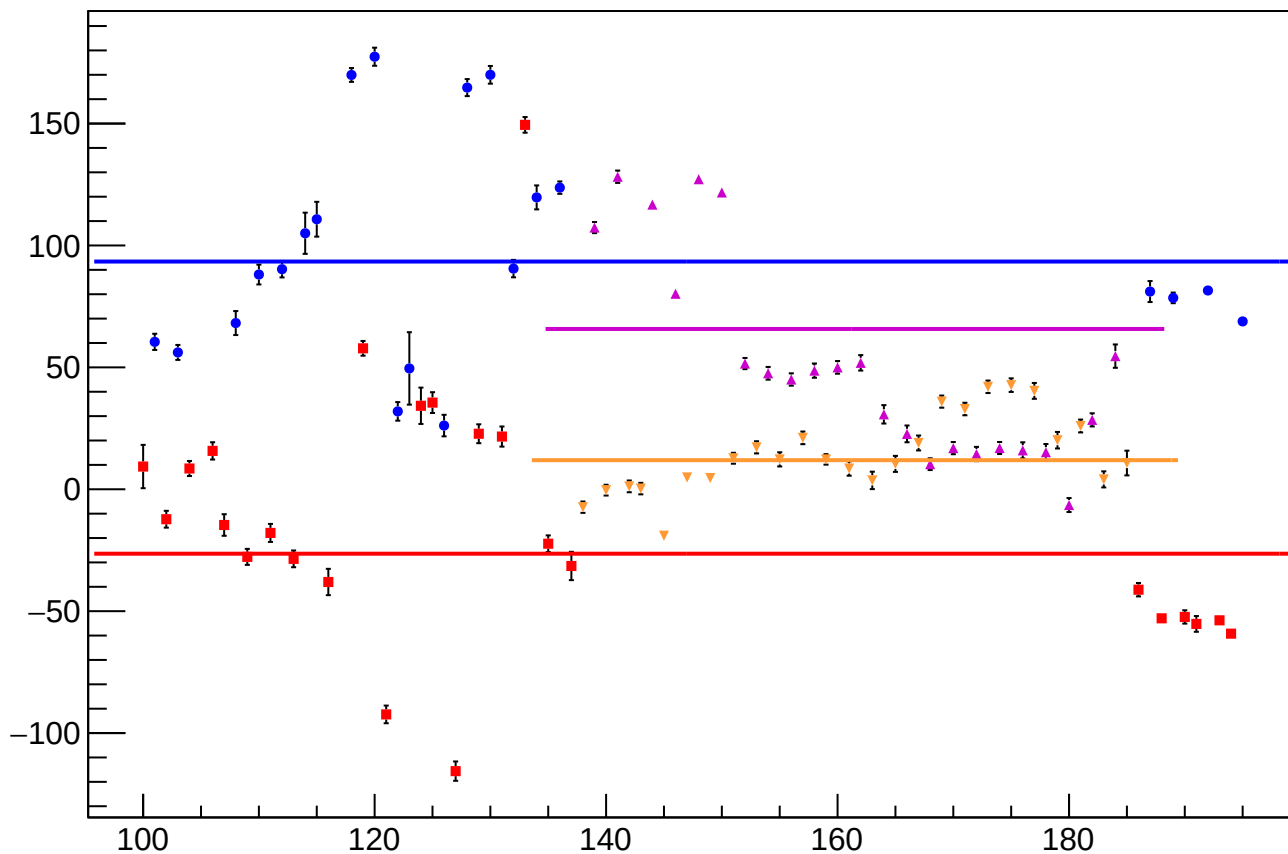
Left In: 858.563+/-0.147 χ^2/NDF : 239019.8/22

+ sign 746.856+/-0.102 χ^2/NDF : 1561520.4/45

All: 744.480+/-0.072 χ^2/NDF : 3070366.8/93

- sign 742.172+/-0.101 χ^2/NDF : 1507783.5/47

diff_bpm1i06X_mean vs Slug



Right In: 93.405 ± 0.681 χ^2/NDF : 3381.8/20

Left Out: 11.938 ± 0.505 χ^2/NDF : 976.6/24

Right Out: -26.426 ± 0.622 χ^2/NDF : 6498.3/24

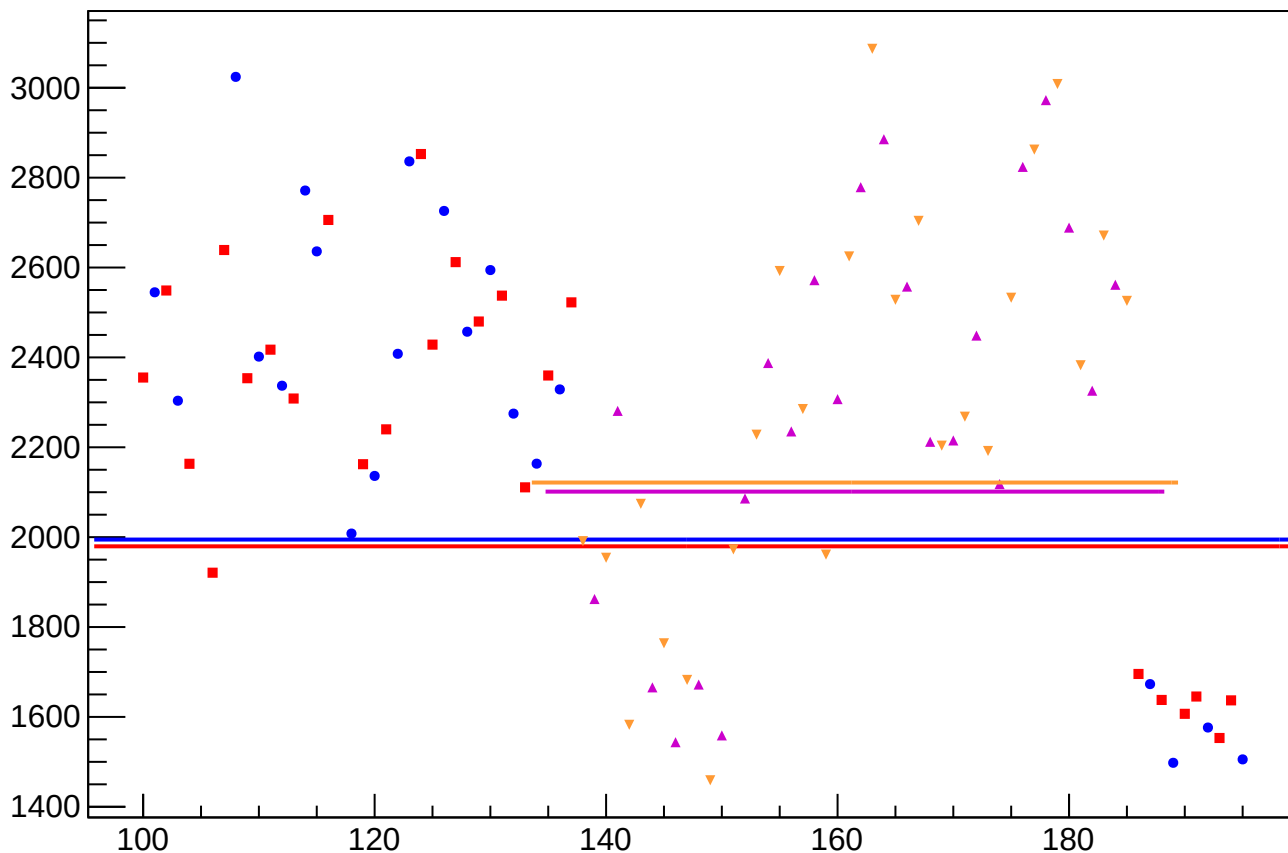
Left In: 65.752 ± 0.518 χ^2/NDF : 7335.8/22

+ sign 40.893 ± 0.406 χ^2/NDF : 13596.1/45

All: 34.331 ± 0.284 χ^2/NDF : 40921.7/93

- sign 28.020 ± 0.398 χ^2/NDF : 26812.3/47

diff_bpm1i06X_rms vs Slug



Right In: 1994.665+/-0.481 χ^2/NDF : 876599.0/20

Left Out: 2121.567+/-0.357 χ^2/NDF :1387847.6/24

Right Out: 1979.603+/-0.440 χ^2/NDF : 792138.0/24

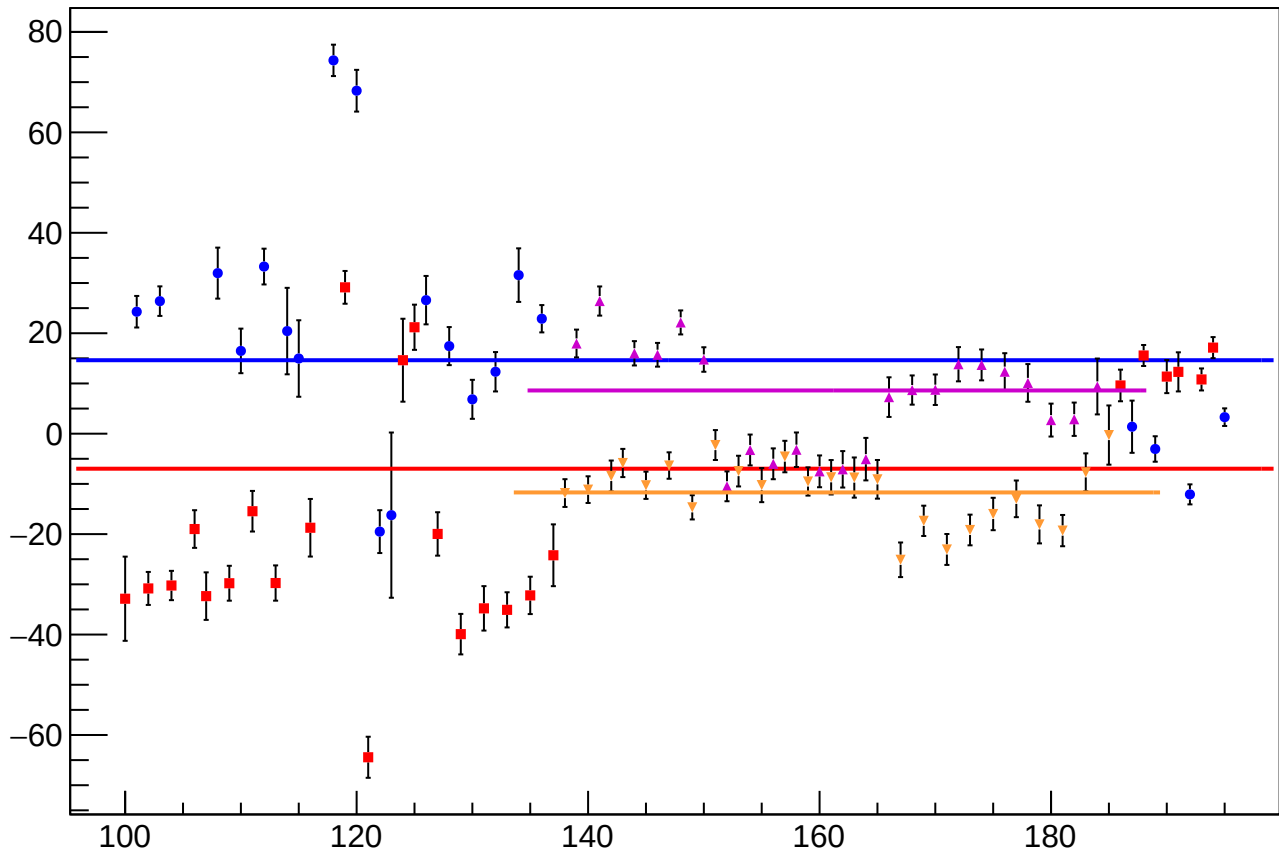
Left In: 2101.325+/-0.366 χ^2/NDF :1360518.3/22

+ sign 2076.465+/-0.287 χ^2/NDF : 2309276.7/45

All: 2063.739+/-0.201 χ^2/NDF : 4511054.8/93

- sign 2051.499+/-0.281 χ^2/NDF : 2197917.5/47

diff_bpm1i06Y_mean vs Slug



Right In: 14.627 ± 0.742 $\chi^2/\text{NDF}: 970.9/20$

Left Out: -11.700 ± 0.625 $\chi^2/\text{NDF}: 85.0/24$

Right Out: -6.975 ± 0.693 $\chi^2/\text{NDF}: 1255.3/24$

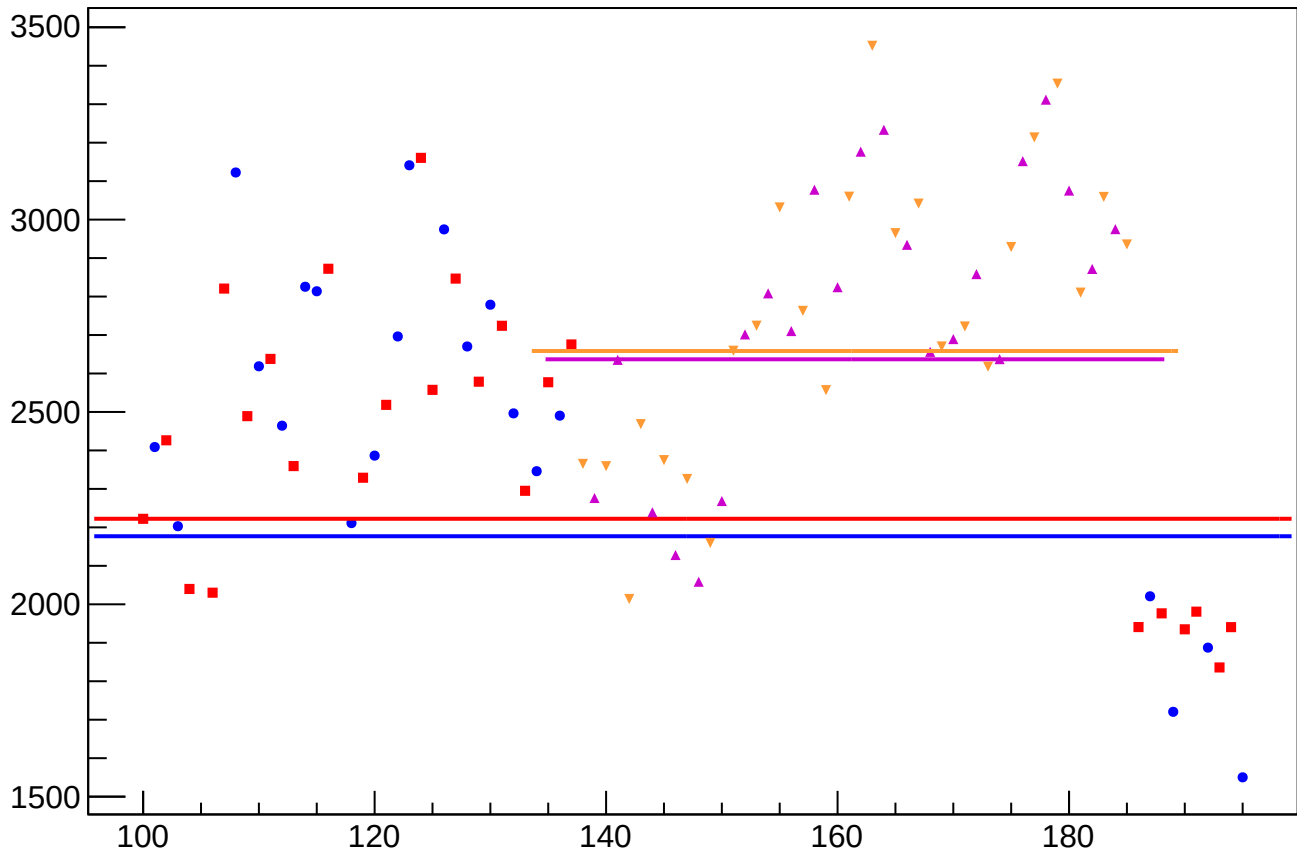
Left In: 8.606 ± 0.642 $\chi^2/\text{NDF}: 264.2/22$

+ sign -0.758 ± 0.478 $\chi^2/\text{NDF}: 1792.3/45$

All: 0.343 ± 0.336 $\chi^2/\text{NDF}: 3594.4/93$

- sign 1.410 ± 0.471 $\chi^2/\text{NDF}: 1791.6/47$

diff_bpm1i06Y_rms vs Slug



Right In: 2176.944 $\pm$ 0.524 χ^2 /NDF: 723035.8/20

Left Out: 2658.486 $\pm$ 0.442 χ^2 /NDF: 618133.8/24

Right Out: 2222.345 $\pm$ 0.490 χ^2 /NDF: 441660.3/24

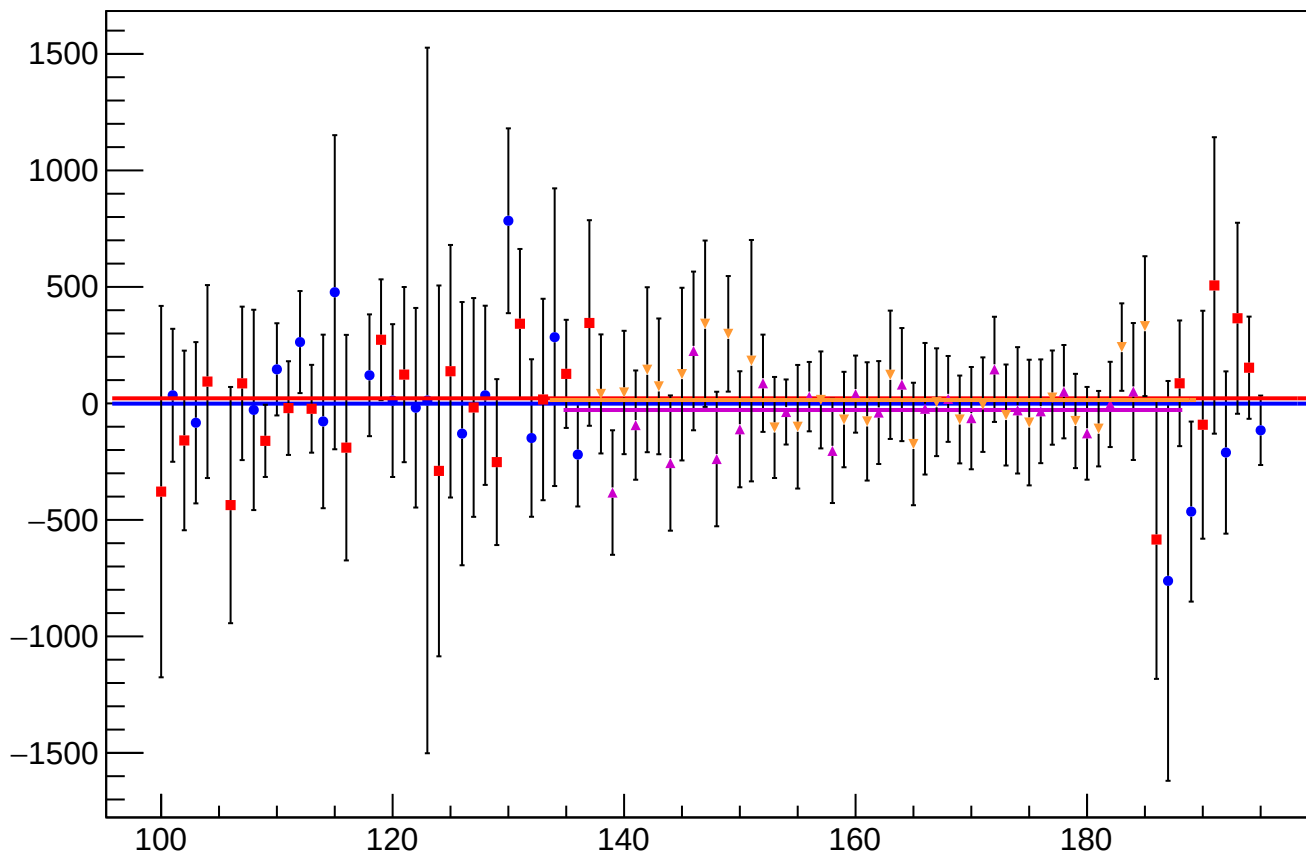
Left In: 2636.885 $\pm$ 0.454 χ^2 /NDF: 652894.5/22

+ sign 2458.343 $\pm$ 0.338 χ^2 /NDF: 1833923.0/45

All: 2451.790 $\pm$ 0.237 χ^2 /NDF: 3314419.0/93

- sign 2445.432 $\pm$ 0.333 χ^2 /NDF: 1479755.8/47

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -0.968 ± 67.328 $\chi^2/\text{NDF}: 11.4/20$

Left Out: 14.520 ± 47.528 $\chi^2/\text{NDF}: 7.8/24$

Right Out: 21.792 ± 62.738 $\chi^2/\text{NDF}: 9.4/24$

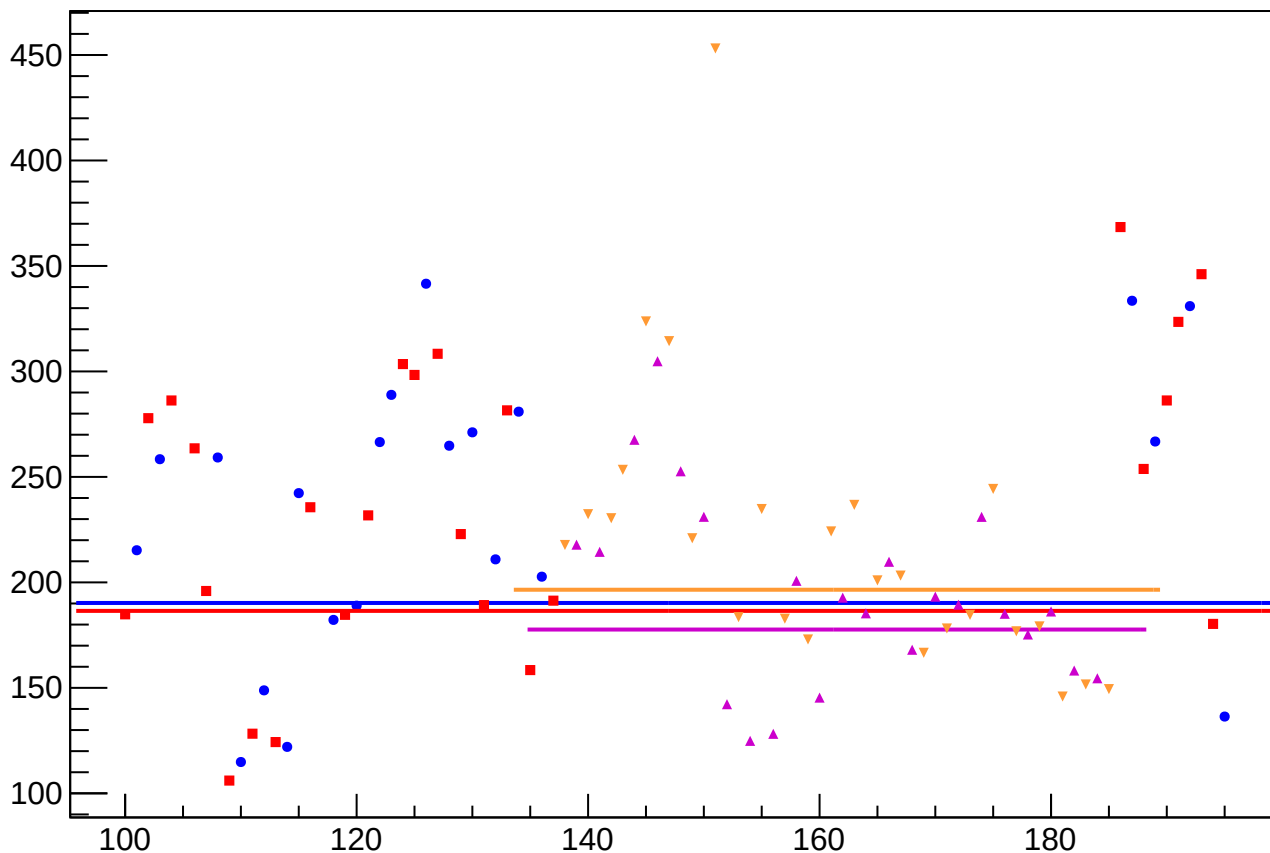
Left In: -28.310 ± 44.638 $\chi^2/\text{NDF}: 6.3/22$

+ sign 9.369 ± 38.828 $\chi^2/\text{NDF}: 19.2/45$

All: -1.731 ± 26.545 $\chi^2/\text{NDF}: 35.4/93$

- sign -11.470 ± 36.371 $\chi^2/\text{NDF}: 16.1/47$

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.245 $\pm$ 0.048 χ^2 /NDF: 1737030.8/20

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

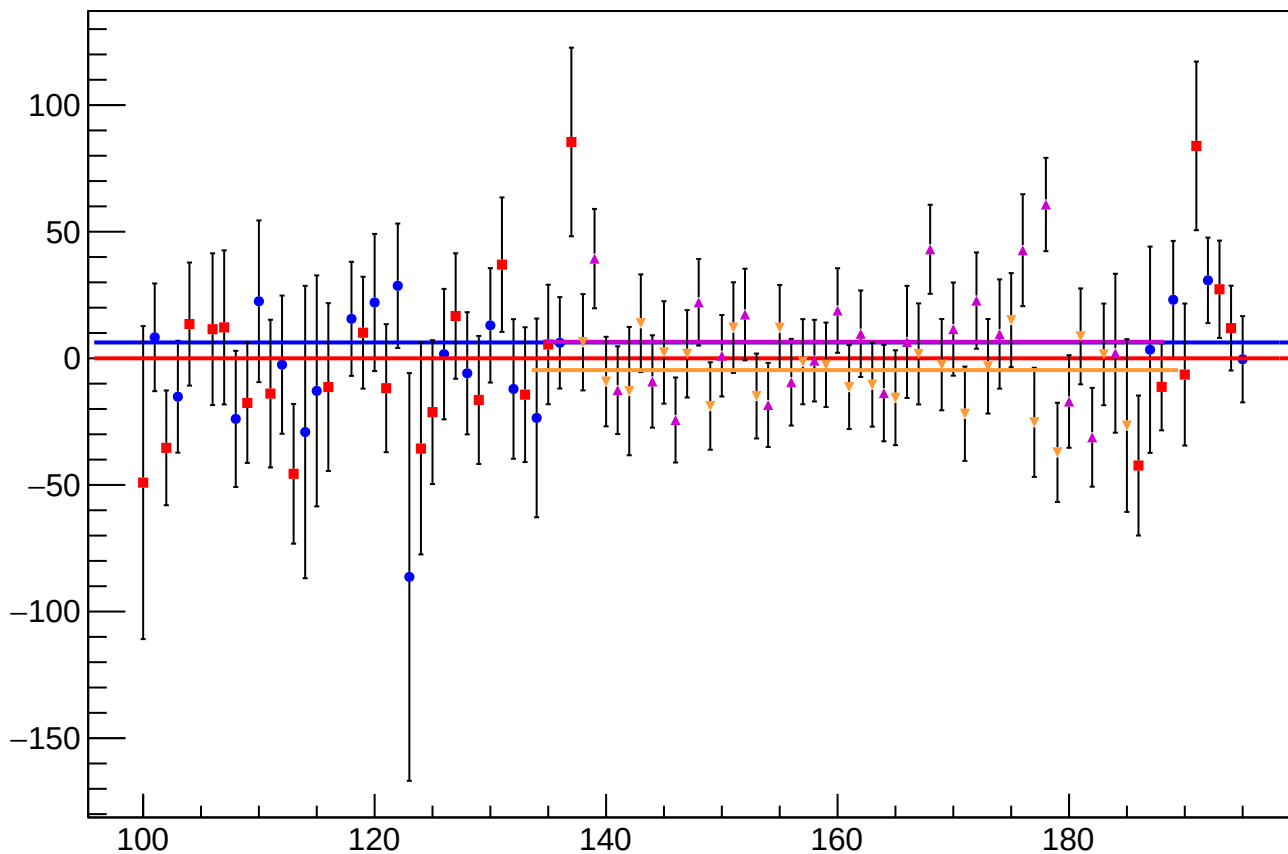
Left In: 177.643 $\pm$ 0.032 χ^2 /NDF: 1630664.5/22

+ sign 194.429 $\pm$ 0.027 χ^2 /NDF: 3538108.5/45

All: 187.072 $\pm$ 0.019 χ^2 /NDF: 7780426.6/93

- 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: 6.264 $\pm$ 5.462 χ^2 /NDF: 10.0/20

Left Out: -4.646 $\pm$ 3.728 χ^2 /NDF:12.1/24

Right Out: 0.003 $\pm$ 5.103 χ^2 /NDF: 29.2/24

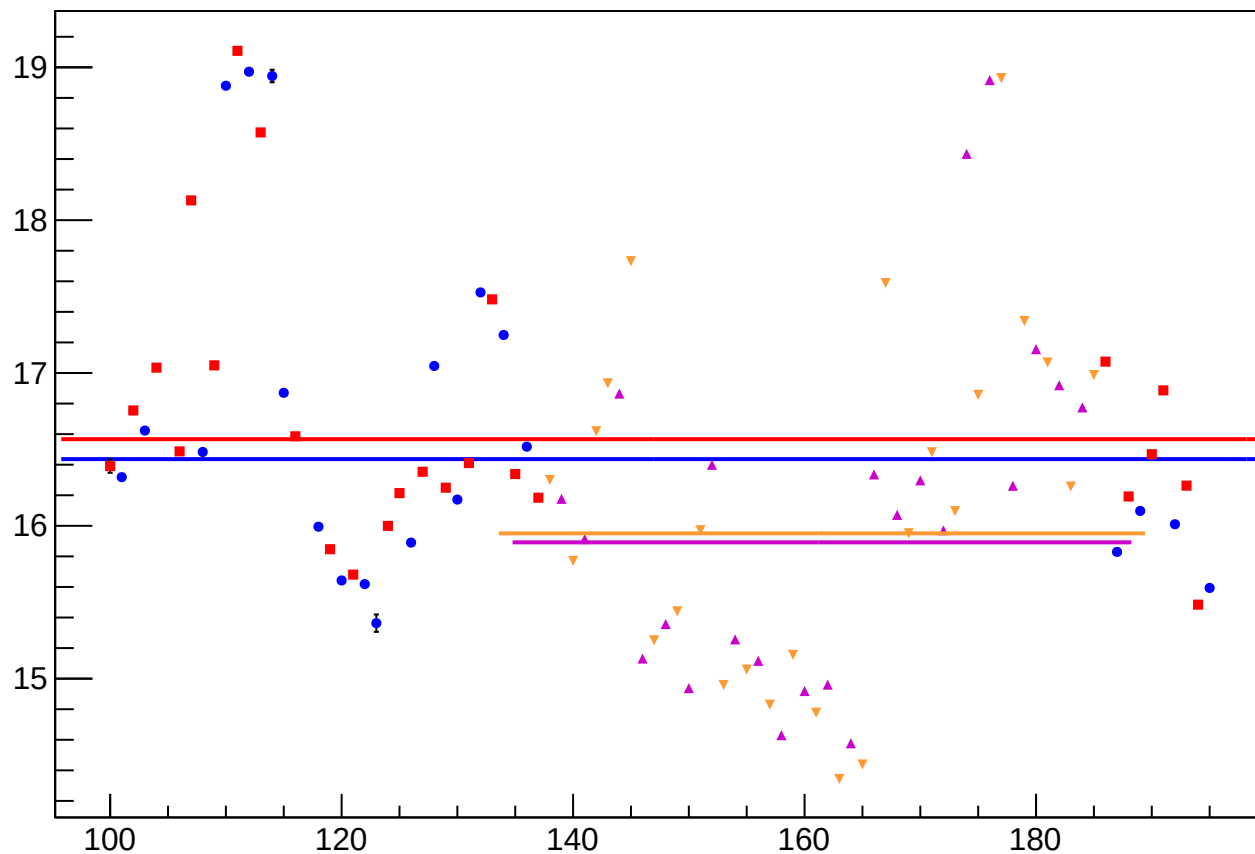
Left In: 6.526 $\pm$ 3.828 χ^2 /NDF:36.4/22

+ sign -1.179 $\pm$ 3.079 χ^2 /NDF: 24.8/45

All: 1.514 $\pm$ 2.171 χ^2 /NDF: 92.9/93

- sign 4.178 $\pm$ 3.062 χ^2 /NDF: 66.6/47

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.436 $\pm$ 0.004 χ^2 /NDF: 51730.2/20

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

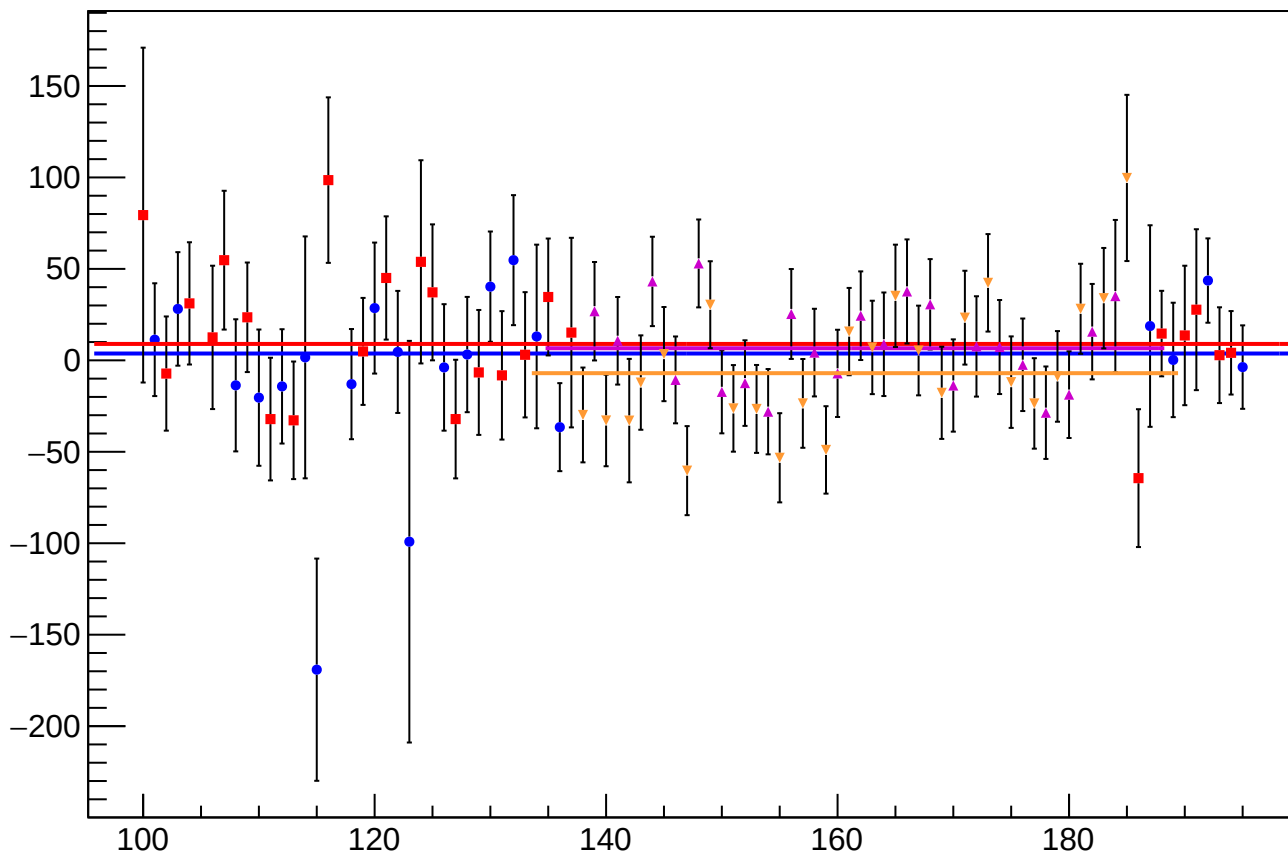
Left In: 15.892 $\pm$ 0.003 χ^2 /NDF: 147093.3/22

+ sign 16.105 $\pm$ 0.002 χ^2 /NDF: 235980.0/45

All: 16.120 $\pm$ 0.002 χ^2 /NDF: 457620.6/93

- 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: 3.731 ± 7.259 χ^2/NDF : 21.0/20

Left Out: -7.017 ± 5.121 χ^2/NDF : 37.4/24

Right Out: 8.970 ± 6.759 χ^2/NDF : 19.4/24

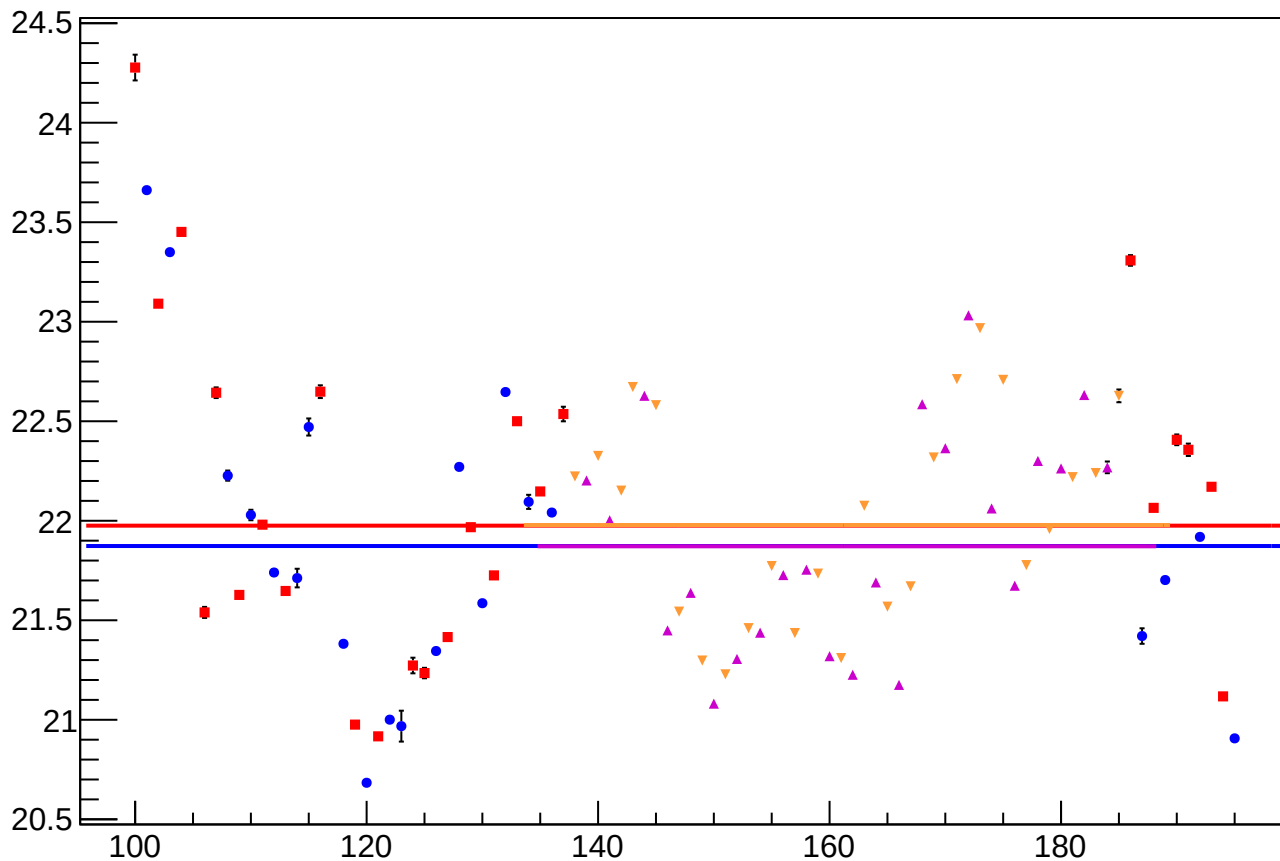
Left In: 6.611 ± 5.251 χ^2/NDF : 19.1/22

+ sign -3.446 ± 4.185 χ^2/NDF : 59.9/45

All: 2.076 ± 2.946 χ^2/NDF : 102.0/93

- 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: 21.873+/-0.005 χ^2/NDF : 21803.8/20

Left Out: 21.978+/-0.004 χ^2/NDF :19430.2/24

Right Out: 21.975+/-0.005 χ^2/NDF : 22264.8/24

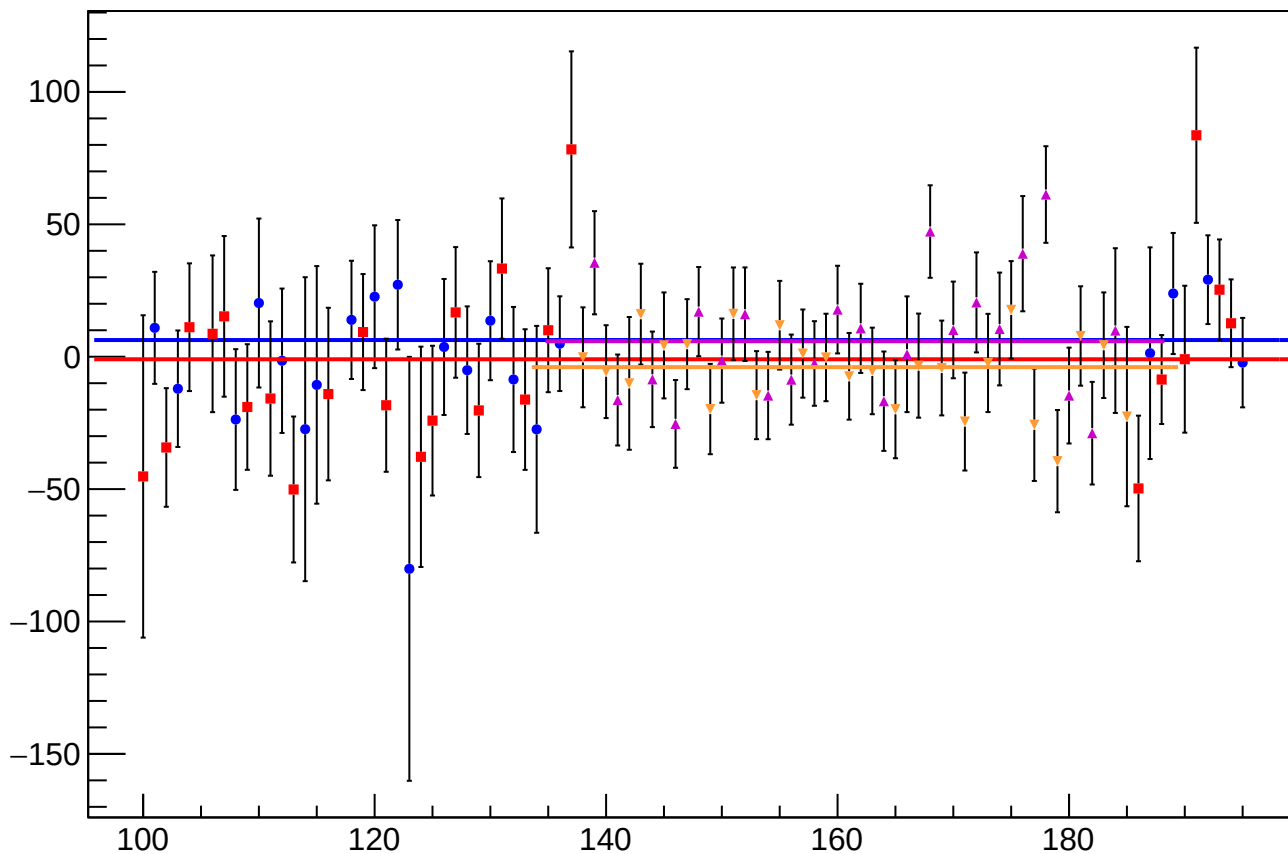
Left In: 21.872+/-0.004 χ^2/NDF :20524.9/22

+ sign 21.943+/-0.003 χ^2/NDF : 41515.1/45

All: 21.927+/-0.002 χ^2/NDF : 84659.3/93

- sign 21.911+/-0.003 χ^2/NDF : 43082.9/47

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 6.299 ± 5.424 χ^2/NDF : 9.3/20

Left Out: -3.927 ± 3.688 χ^2/NDF : 14.0/24

Right Out: -0.963 ± 5.062 χ^2/NDF : 30.1/24

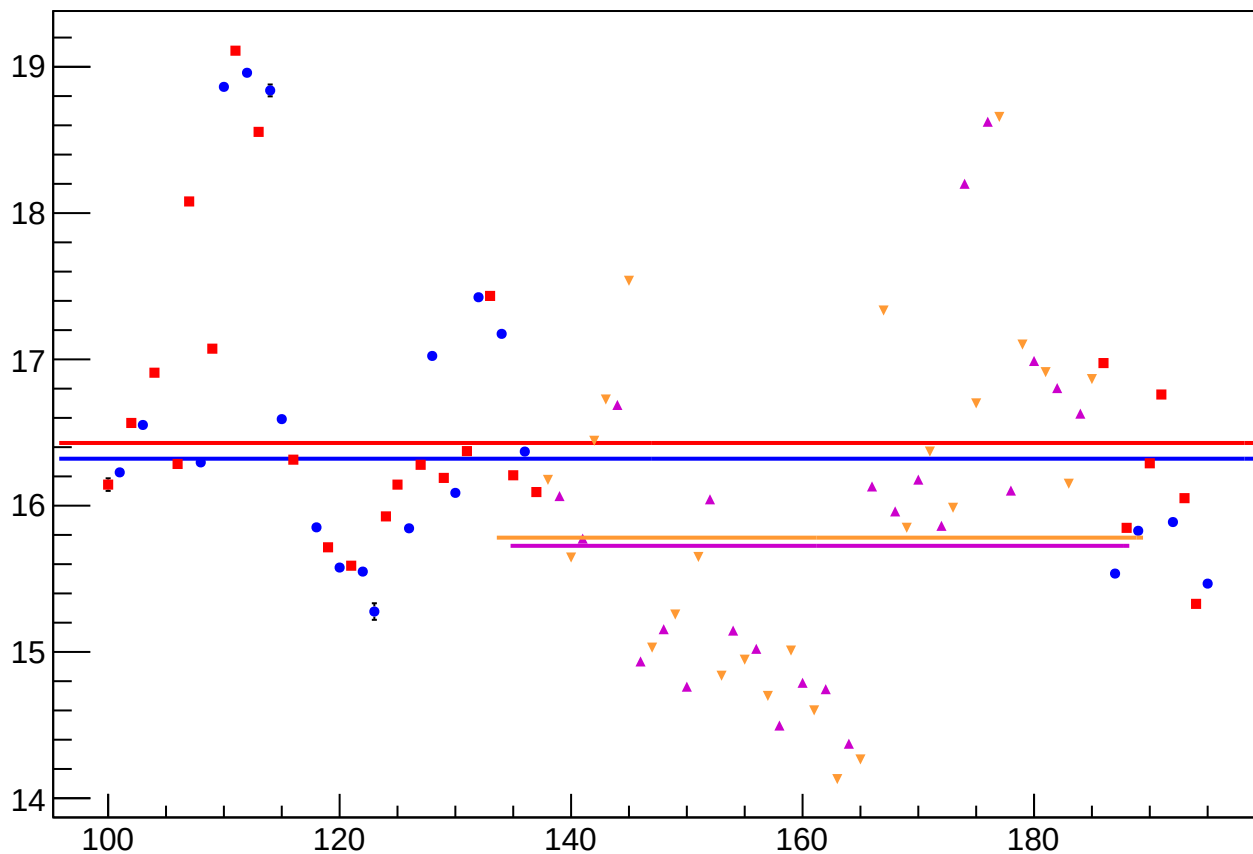
Left In: 5.861 ± 3.787 χ^2/NDF : 36.2/22

+ sign -0.695 ± 3.050 χ^2/NDF : 25.7/45

All: 1.371 ± 2.150 χ^2/NDF : 94.1/93

- sign 3.412 ± 3.032 χ^2/NDF : 67.5/47

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.321+/-0.004 χ^2/NDF : 55311.0/20

Left Out: 15.781+/-0.003 χ^2/NDF : 172894.3/24

Right Out: 16.429+/-0.004 χ^2/NDF : 58549.6/24

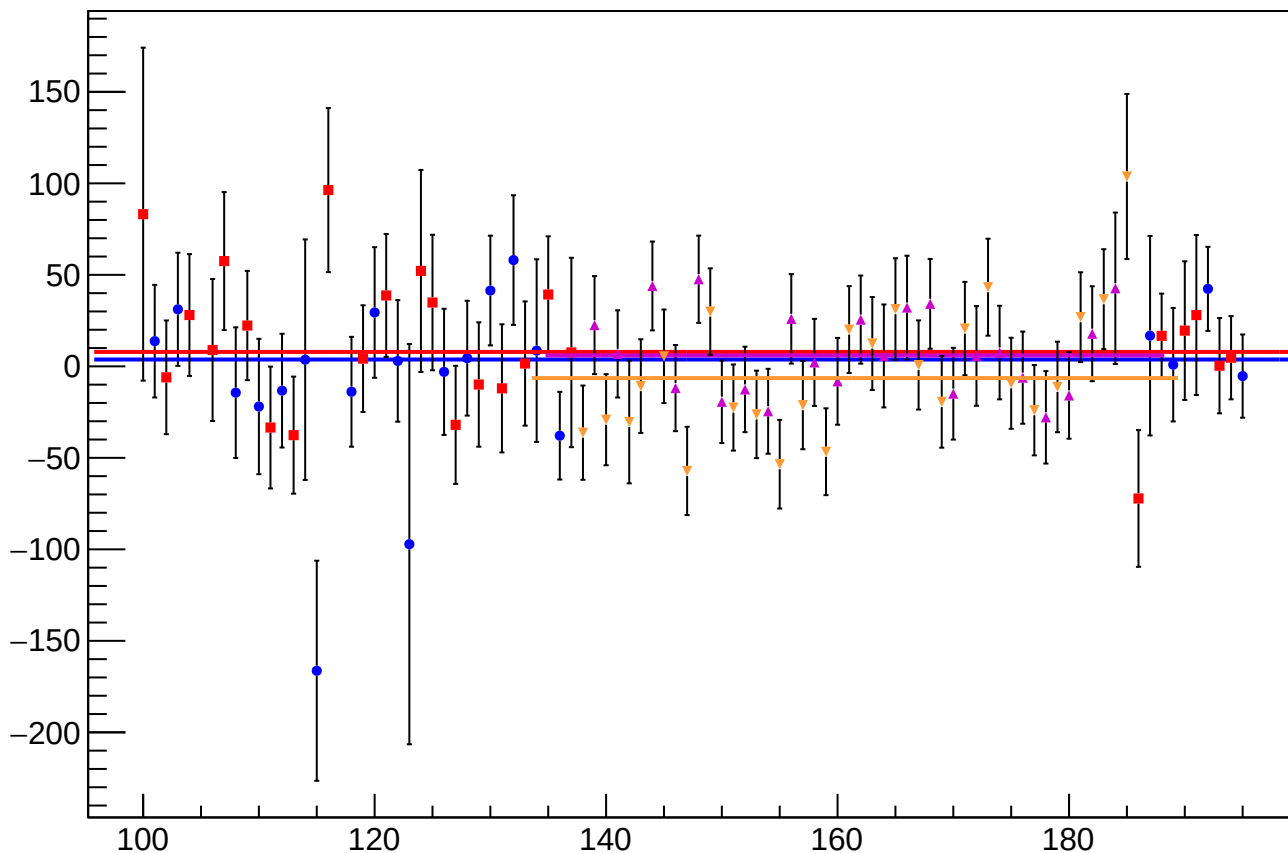
Left In: 15.725+/-0.003 χ^2/NDF : 145830.9/22

+ sign 15.952+/-0.002 χ^2/NDF : 241743.9/45

All: 15.965+/-0.002 χ^2/NDF : 470938.6/93

- sign 15.978+/-0.002 χ^2/NDF : 229122.6/47

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 3.734 $\pm$ 7.224 χ^2 /NDF: 21.7/20

Left Out: -6.404 $\pm$ 5.091 χ^2 /NDF: 37.4/24

Right Out: 7.896 $\pm$ 6.720 χ^2 /NDF: 21.0/24

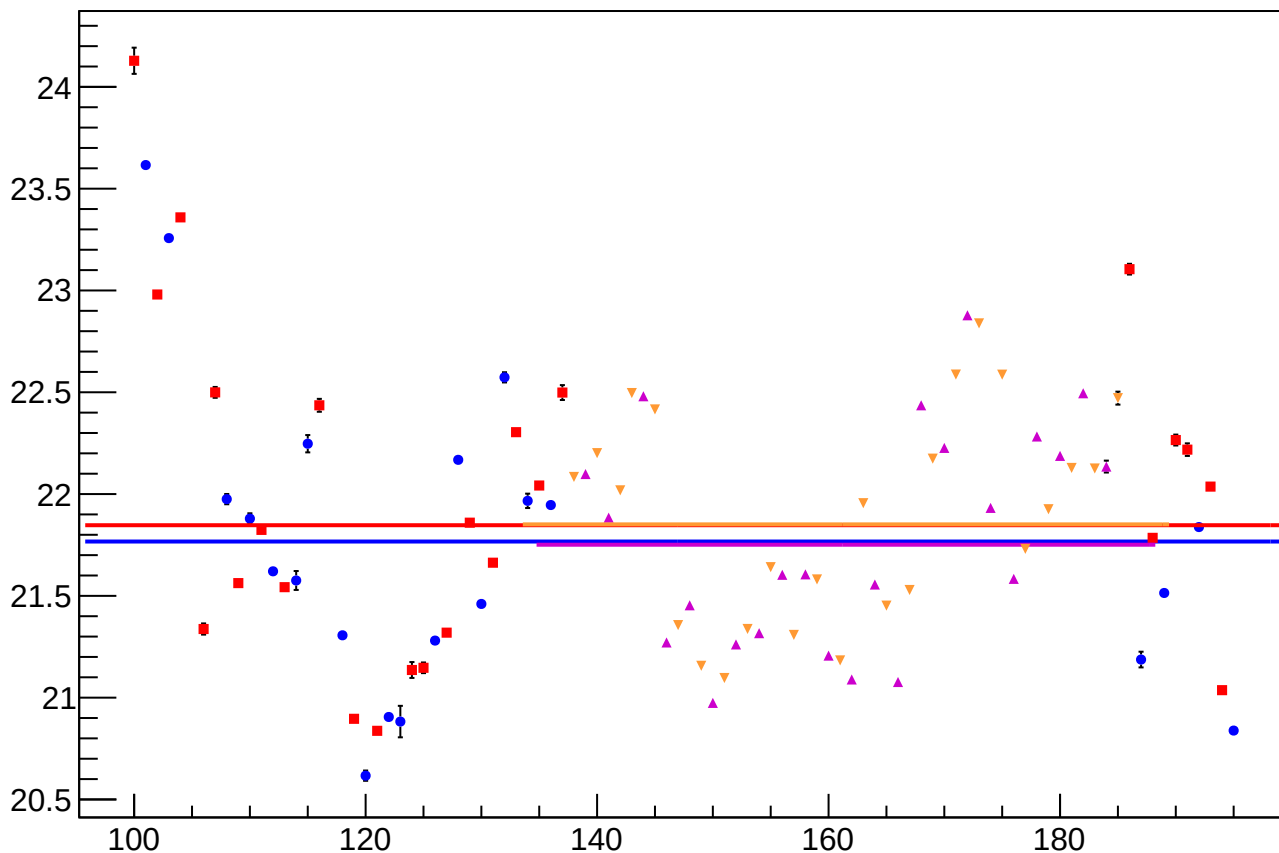
Left In: 5.978 $\pm$ 5.222 χ^2 /NDF: 18.5/22

+ sign -3.039 $\pm$ 4.162 χ^2 /NDF: 60.4/45

All: 1.875 $\pm$ 2.929 χ^2 /NDF: 102.7/93

- sign 6.700 $\pm$ 4.124 χ^2 /NDF: 39.6/47

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.767 $\pm$ 0.005 χ^2 /NDF: 21996.2/20

Left Out: 21.851 $\pm$ 0.004 χ^2 /NDF:19631.8/24

Right Out: 21.847 $\pm$ 0.005 χ^2 /NDF: 21346.8/24

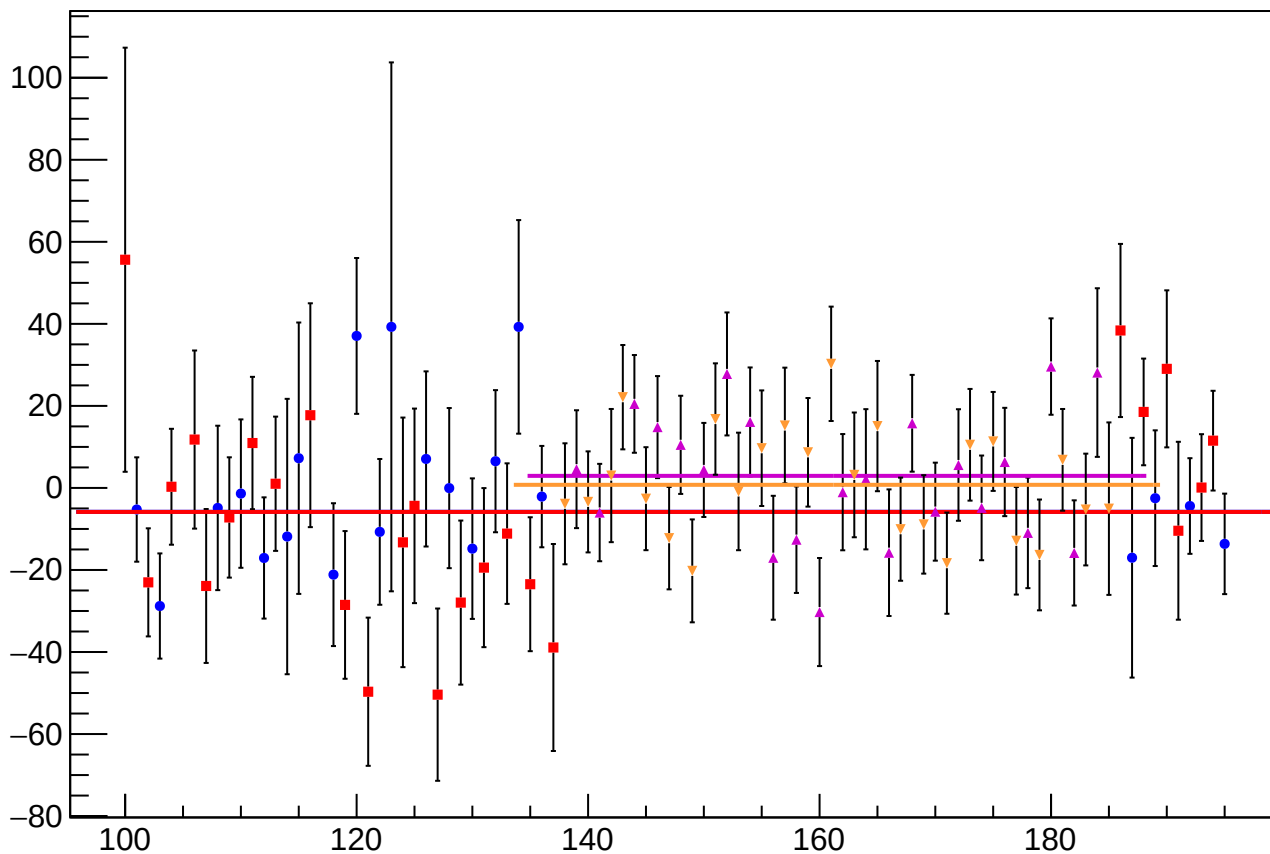
Left In: 21.751 $\pm$ 0.004 χ^2 /NDF:20516.3/22

+ sign 21.823 $\pm$ 0.003 χ^2 /NDF: 41809.6/45

All: 21.805 $\pm$ 0.002 χ^2 /NDF: 84001.3/93

- sign 21.787 $\pm$ 0.003 χ^2 /NDF: 42116.6/47

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.814 ± 3.724 χ^2/NDF : 15.4/20

Left Out: 0.759 ± 2.698 χ^2/NDF : 23.8/24

Right Out: -5.849 ± 3.524 χ^2/NDF : 37.1/24

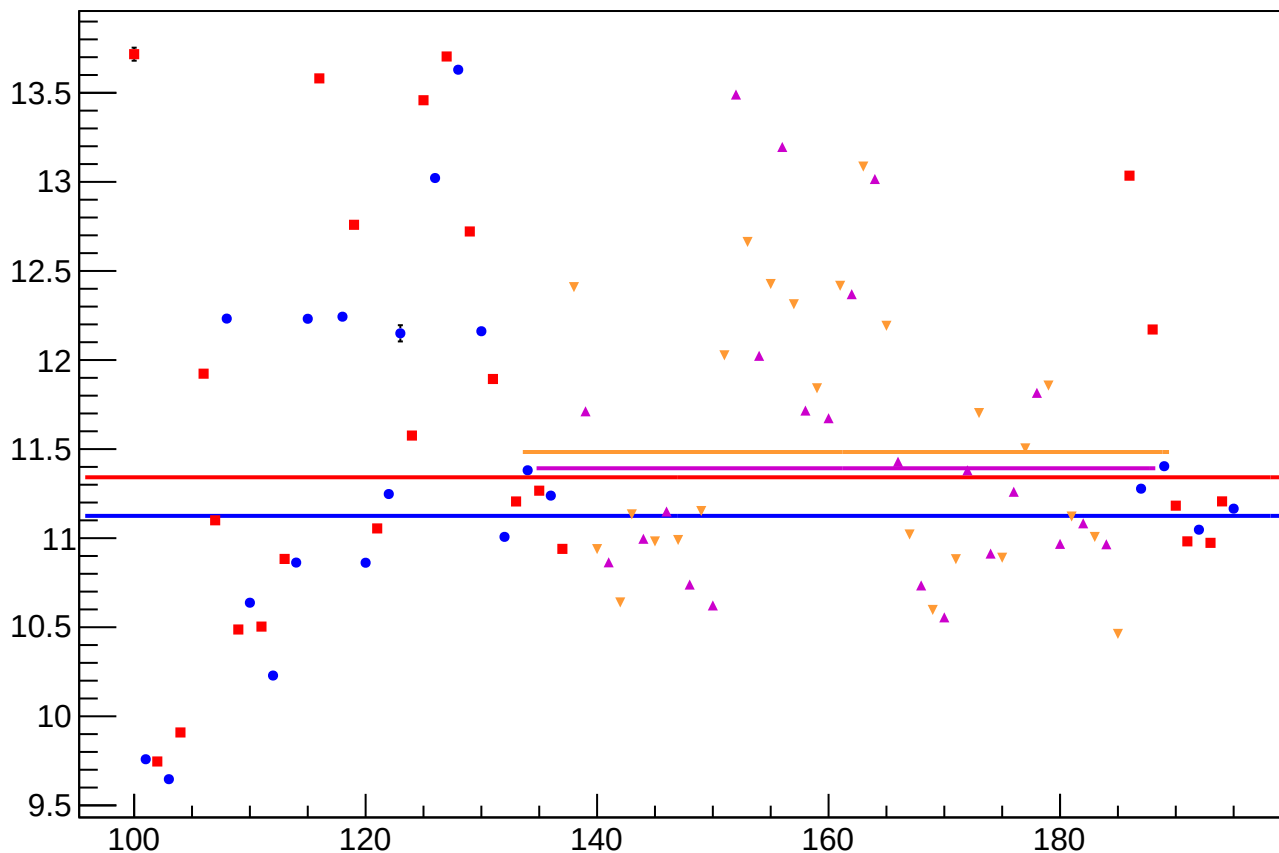
Left In: 2.944 ± 2.757 χ^2/NDF : 30.9/22

+ sign -1.503 ± 2.185 χ^2/NDF : 41.3/45

All: -0.946 ± 1.540 χ^2/NDF : 113.3/93

- 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: 11.125 $\pm$ 0.003 χ^2 /NDF: 133358.8/20

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

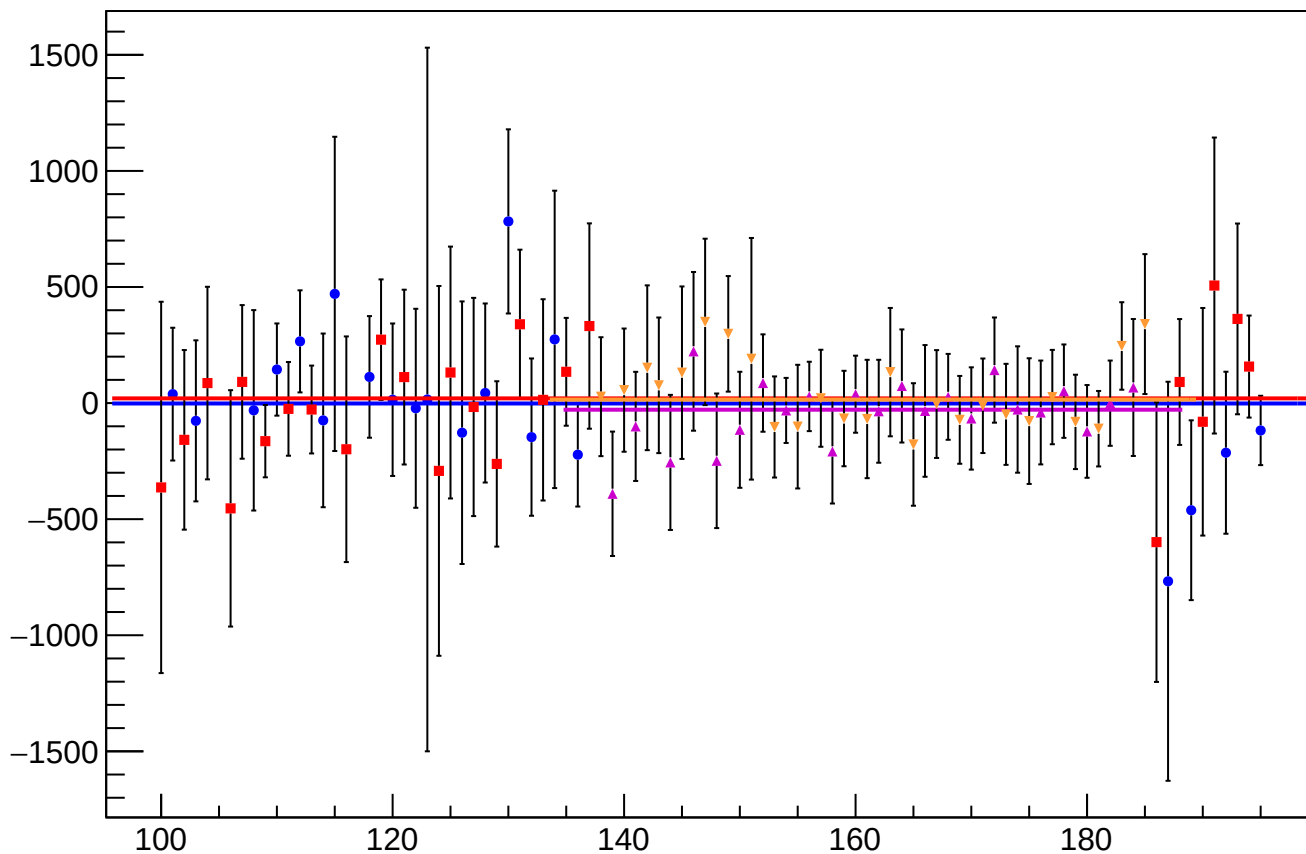
Left In: 11.392 $\pm$ 0.002 χ^2 /NDF:150493.3/22

+ sign 11.360 $\pm$ 0.002 χ^2 /NDF: 275320.6/45

All: 11.367 $\pm$ 0.001 χ^2 /NDF: 598813.0/93

- 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: -1.678 ± 67.496 $\chi^2/\text{NDF}: 11.3/20$

Left Out: 15.130 ± 47.705 $\chi^2/\text{NDF}: 8.0/24$

Right Out: 20.256 ± 62.922 $\chi^2/\text{NDF}: 9.5/24$

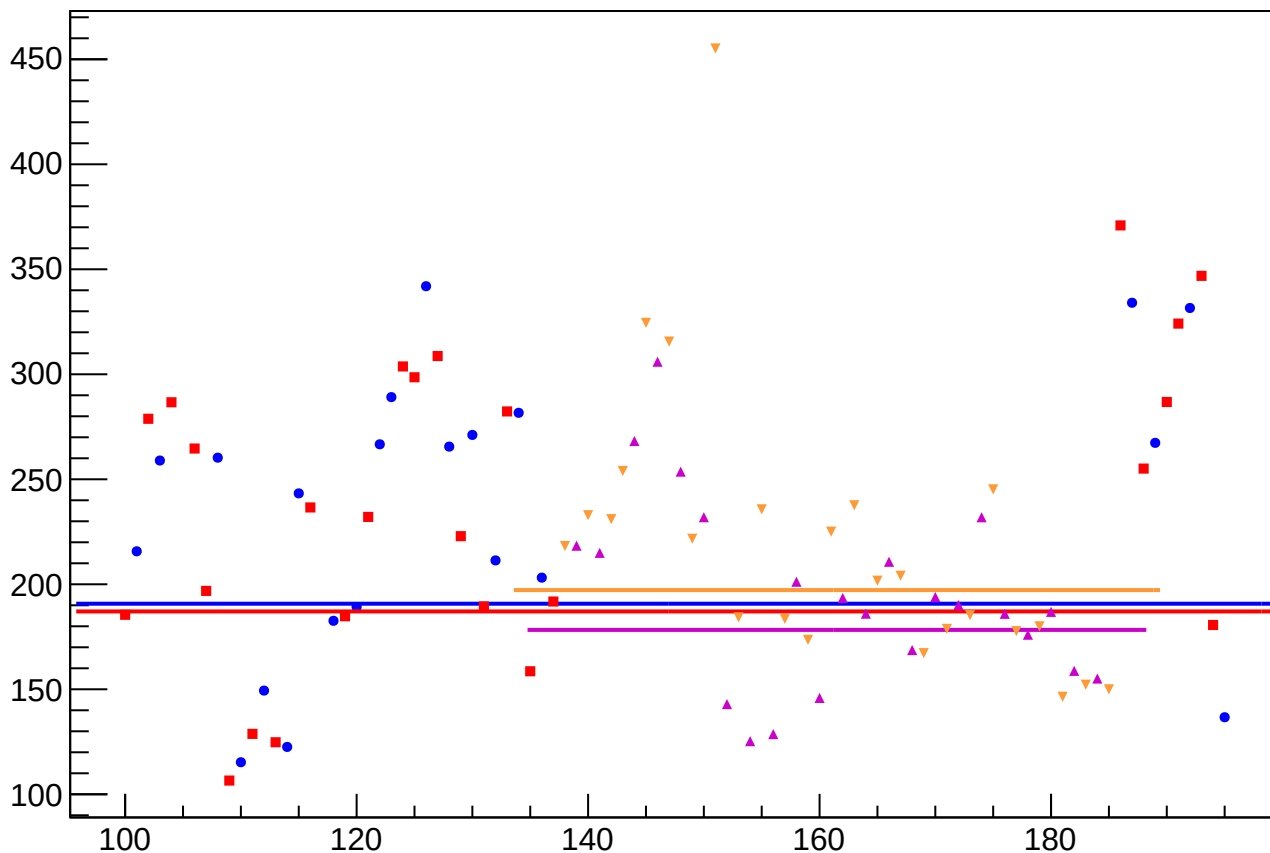
Left In: -28.500 ± 44.797 $\chi^2/\text{NDF}: 6.4/22$

+ sign 9.531 ± 38.957 $\chi^2/\text{NDF}: 19.3/45$

All: -1.990 ± 26.633 $\chi^2/\text{NDF}: 35.8/93$

- sign -12.100 ± 36.493 $\chi^2/\text{NDF}: 16.3/47$

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 190.748 $\pm$ 0.048 χ^2 /NDF: 1731993.1/20

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

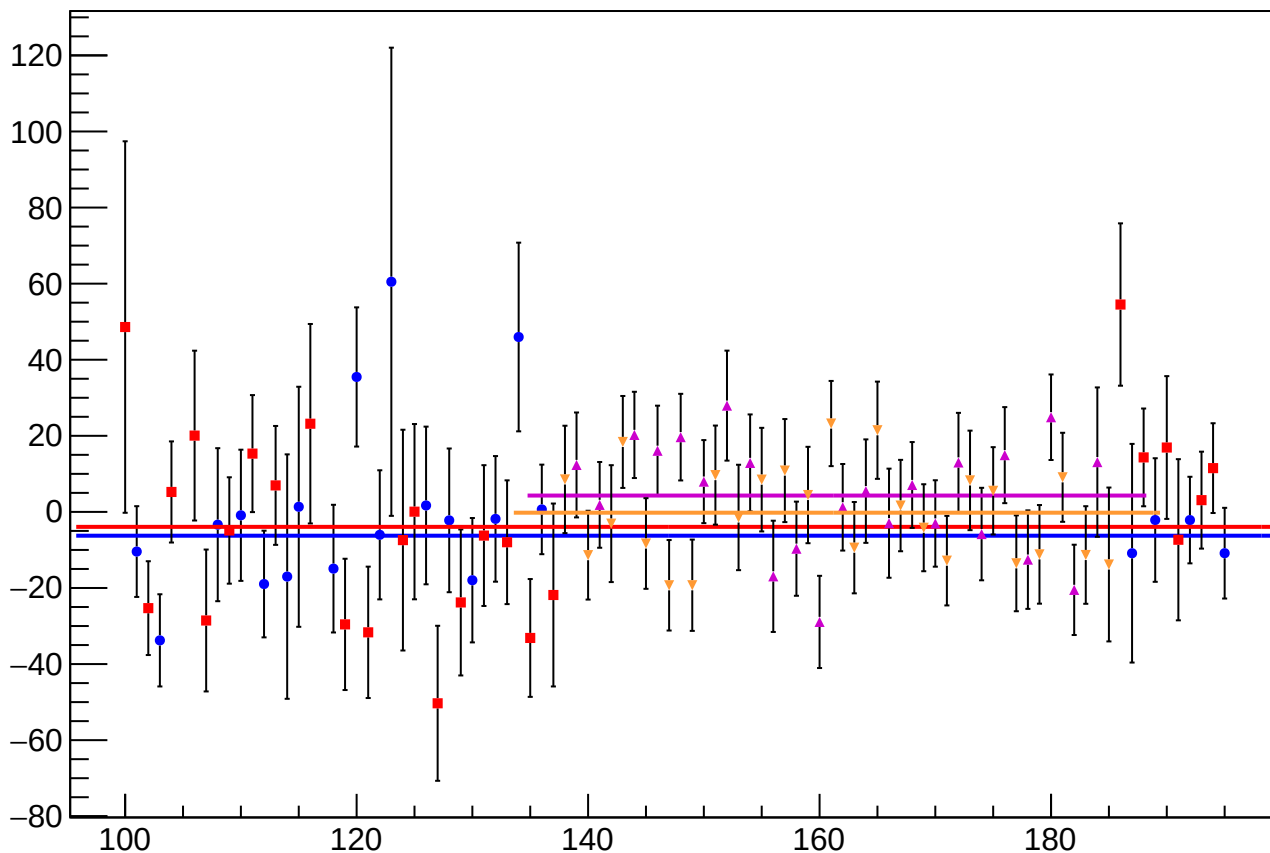
Left In: 178.277 $\pm$ 0.032 χ^2 /NDF: 1628916.6/22

+ sign 195.084 $\pm$ 0.028 χ^2 /NDF: 3531175.3/45

All: 187.707 $\pm$ 0.019 χ^2 /NDF: 7765333.0/93

- 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: -6.257 ± 3.577 $\chi^2/\text{NDF}: 19.0/20$

Left Out: -0.211 ± 2.523 $\chi^2/\text{NDF}: 24.5/24$

Right Out: -3.931 ± 3.398 $\chi^2/\text{NDF}: 38.7/24$

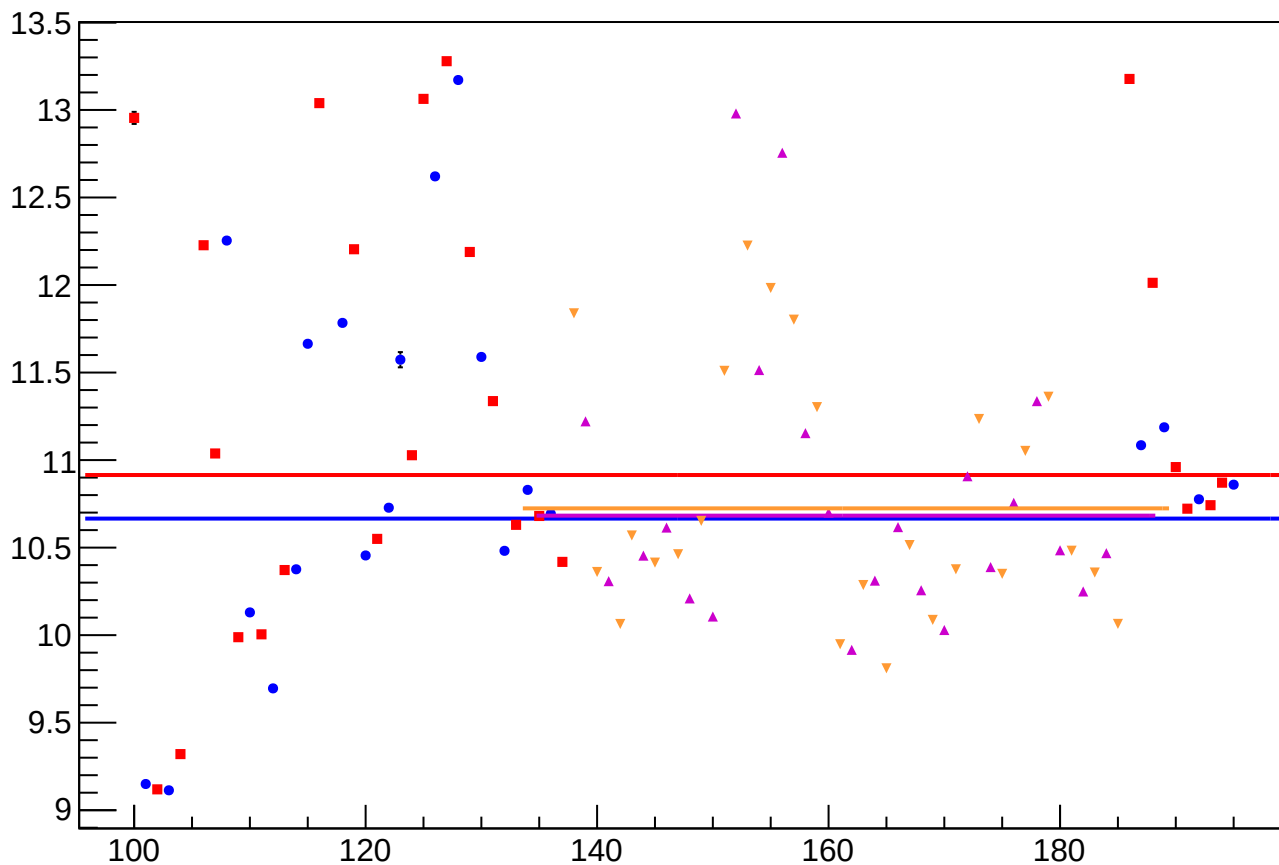
Left In: 4.298 ± 2.589 $\chi^2/\text{NDF}: 31.6/22$

+ sign -2.220 ± 2.062 $\chi^2/\text{NDF}: 45.4/45$

All: -0.470 ± 1.457 $\chi^2/\text{NDF}: 120.9/93$

- sign 1.275 ± 2.059 $\chi^2/\text{NDF}: 74.0/47$

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.666 $\pm$ 0.003 χ^2 /NDF: 163774.3/20

Left Out: 10.724 $\pm$ 0.002 χ^2 /NDF: 132558.9/24

Right Out: 10.915 $\pm$ 0.002 χ^2 /NDF: 218857.6/24

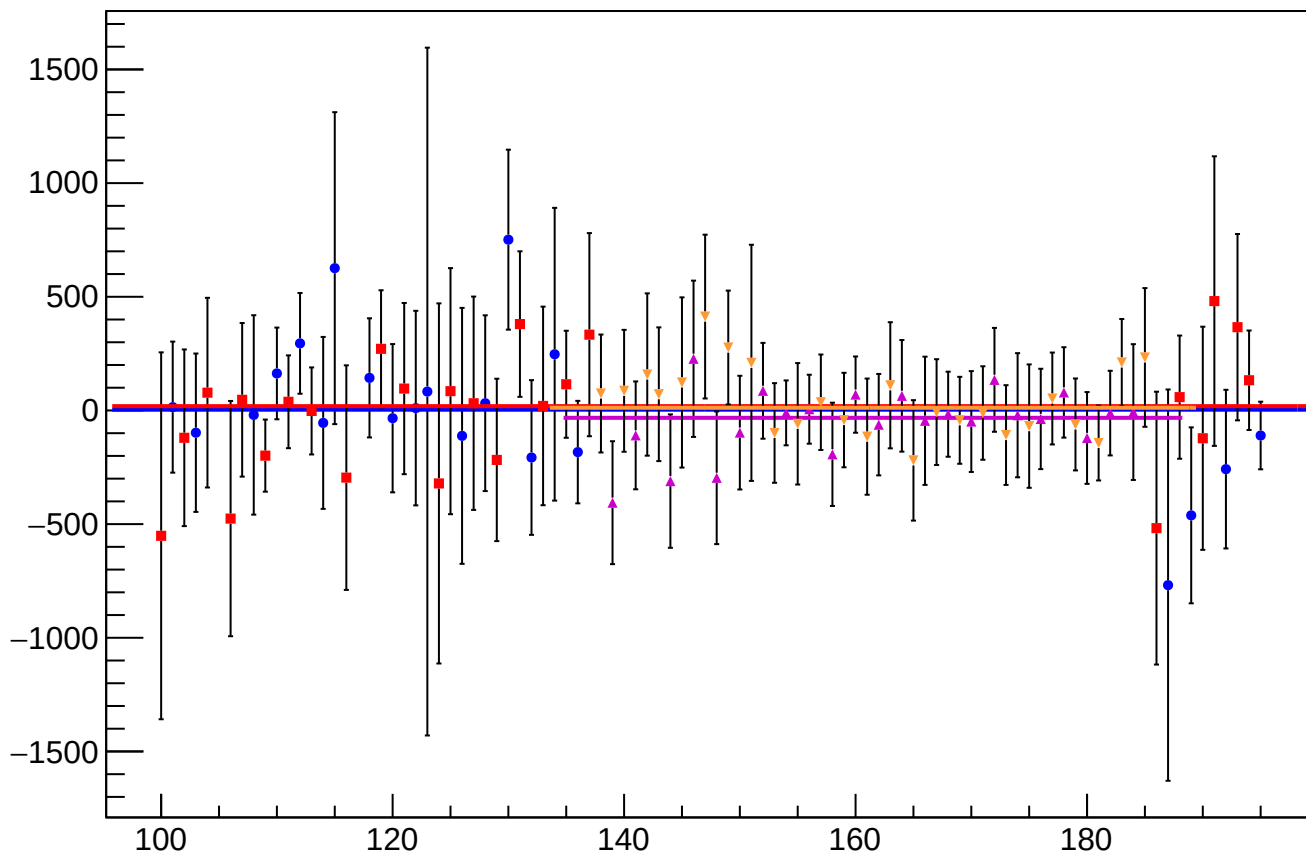
Left In: 10.683 $\pm$ 0.002 χ^2 /NDF: 147835.6/22

+ sign 10.705 $\pm$ 0.001 χ^2 /NDF: 296688.8/45

All: 10.736 $\pm$ 0.001 χ^2 /NDF: 670221.9/93

- sign 10.768 $\pm$ 0.001 χ^2 /NDF: 372596.2/47

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 3.326 ± 67.756 χ^2/NDF : 11.8/20

Left Out: 11.891 ± 48.022 χ^2/NDF : 7.6/24

Right Out: 18.974 ± 63.376 χ^2/NDF : 9.9/24

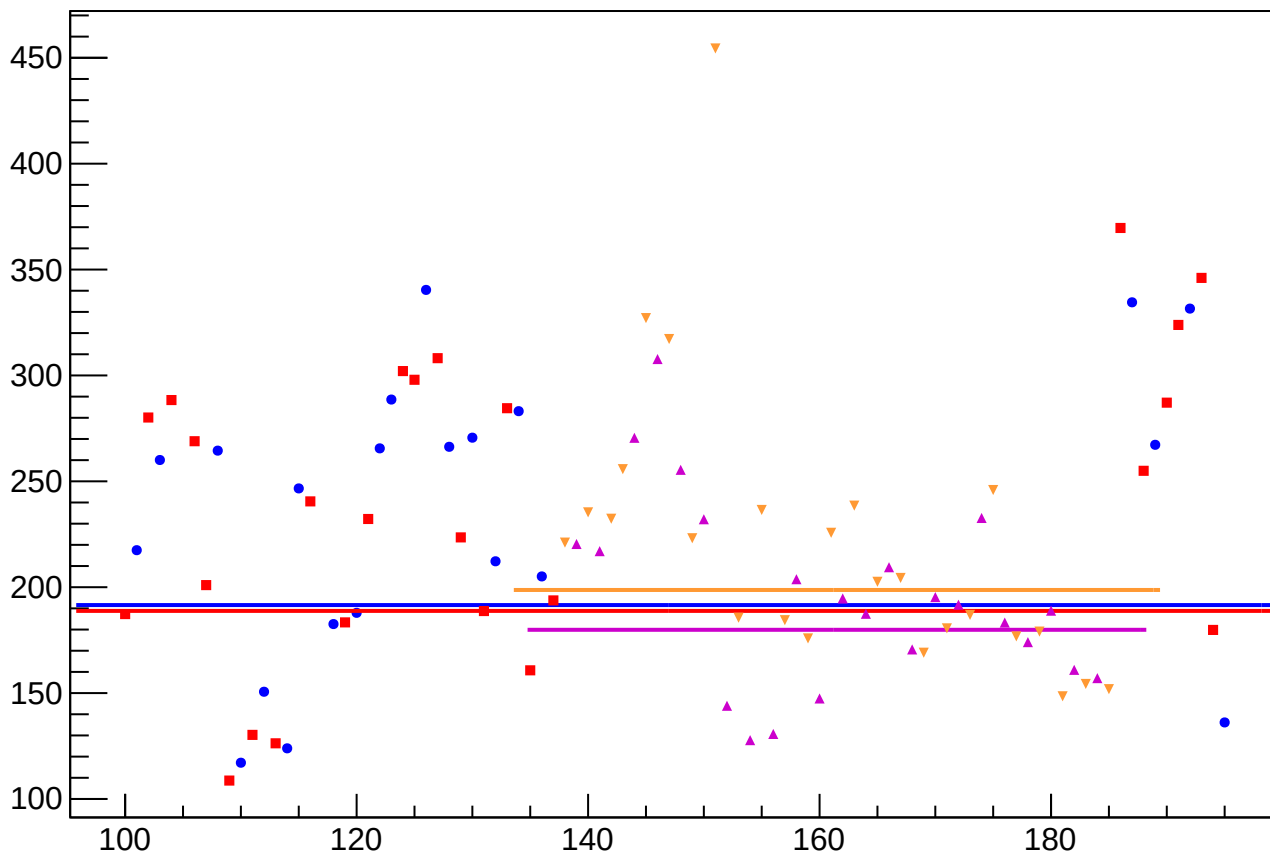
Left In: -32.413 ± 45.155 χ^2/NDF : 6.9/22

+ sign 9.027 ± 39.180 χ^2/NDF : 19.5/45

All: -3.805 ± 26.814 χ^2/NDF : 36.9/93

- sign -15.110 ± 36.775 χ^2/NDF : 17.2/47

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 191.564 $\pm$ 0.048 χ^2 /NDF: 1717873.6/20

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

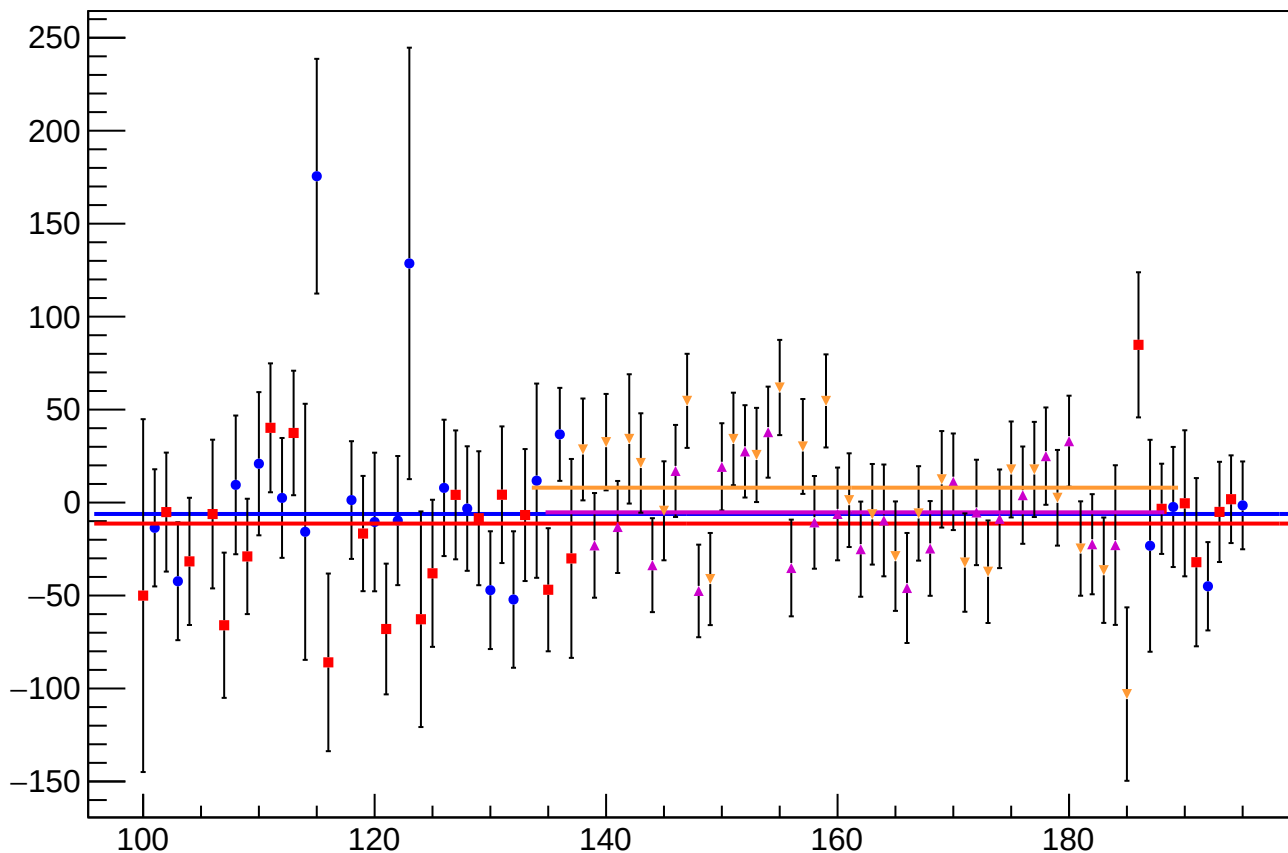
Left In: 179.886 $\pm$ 0.032 χ^2 /NDF:1580636.4/22

+ sign 196.311 $\pm$ 0.028 χ^2 /NDF: 3491932.0/45

All: 189.177 $\pm$ 0.019 χ^2 /NDF: 7600194.4/93

- 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: -6.134 ± 7.536 $\chi^2/\text{NDF}: 21.1/20$

Left Out: 8.004 ± 5.334 $\chi^2/\text{NDF}: 37.4/24$

Right Out: -11.303 ± 7.023 $\chi^2/\text{NDF}: 22.0/24$

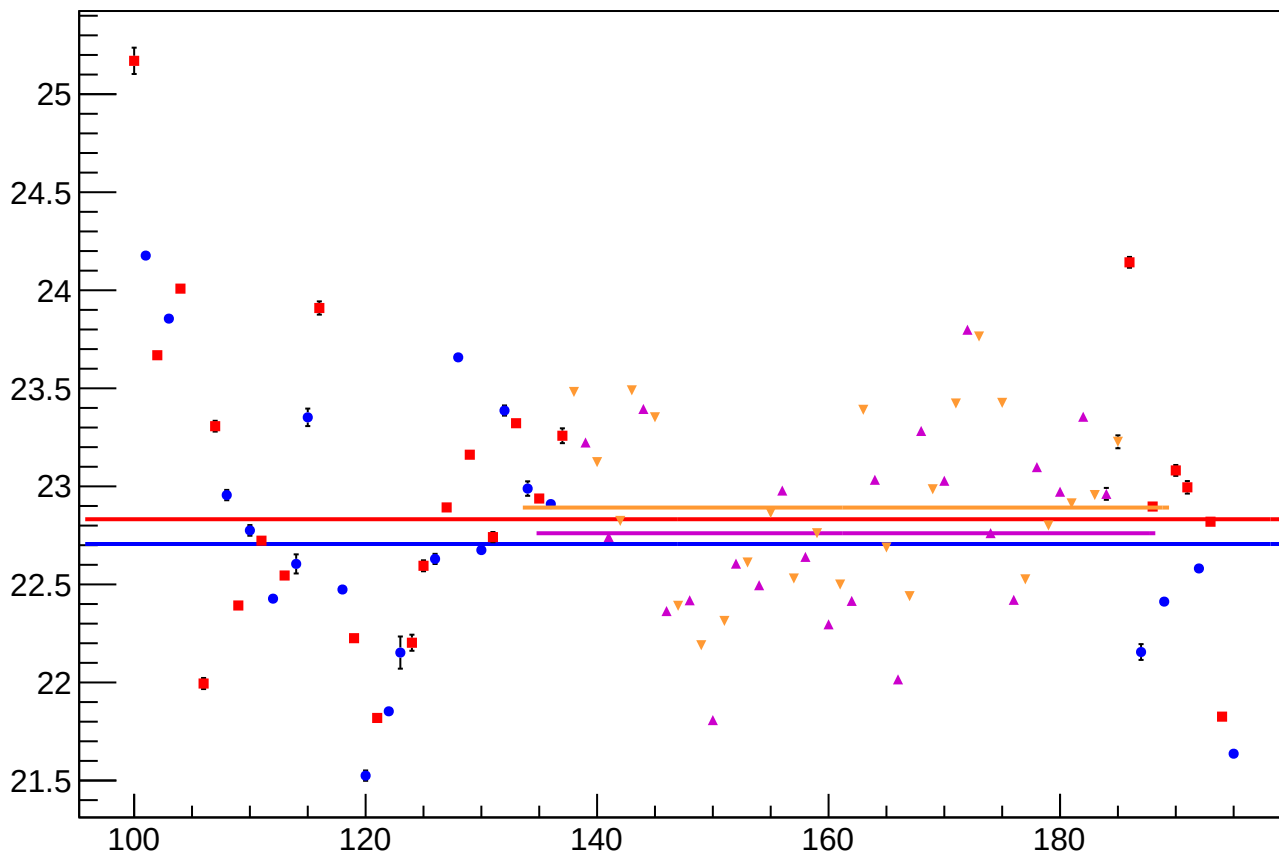
Left In: -5.261 ± 5.465 $\chi^2/\text{NDF}: 20.8/22$

+ sign 3.284 ± 4.354 $\chi^2/\text{NDF}: 60.9/45$

All: -2.179 ± 3.064 $\chi^2/\text{NDF}: 107.2/93$

- sign -7.539 ± 4.313 $\chi^2/\text{NDF}: 43.2/47$

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.706 $\pm$ 0.005 χ^2 /NDF: 17826.7/20

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

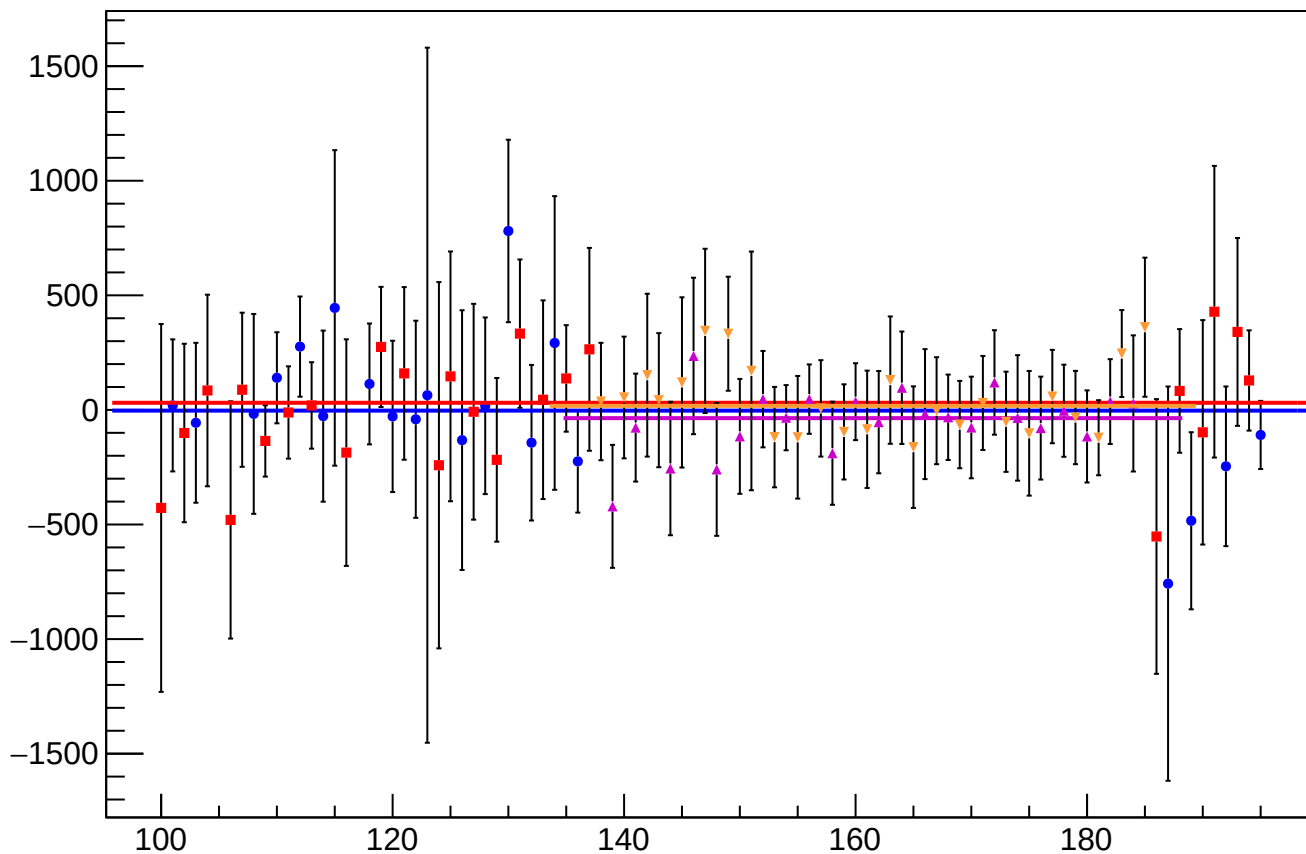
Left In: 22.761 $\pm$ 0.004 χ^2 /NDF:14550.0/22

+ sign 22.830 $\pm$ 0.003 χ^2 /NDF: 31632.6/45

All: 22.809 $\pm$ 0.002 χ^2 /NDF: 63573.1/93

- 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: -3.048 ± 67.540 χ^2/NDF : 11.4/20

Left Out: 17.777 ± 47.941 χ^2/NDF : 8.5/24

Right Out: 31.117 ± 62.999 χ^2/NDF : 8.0/24

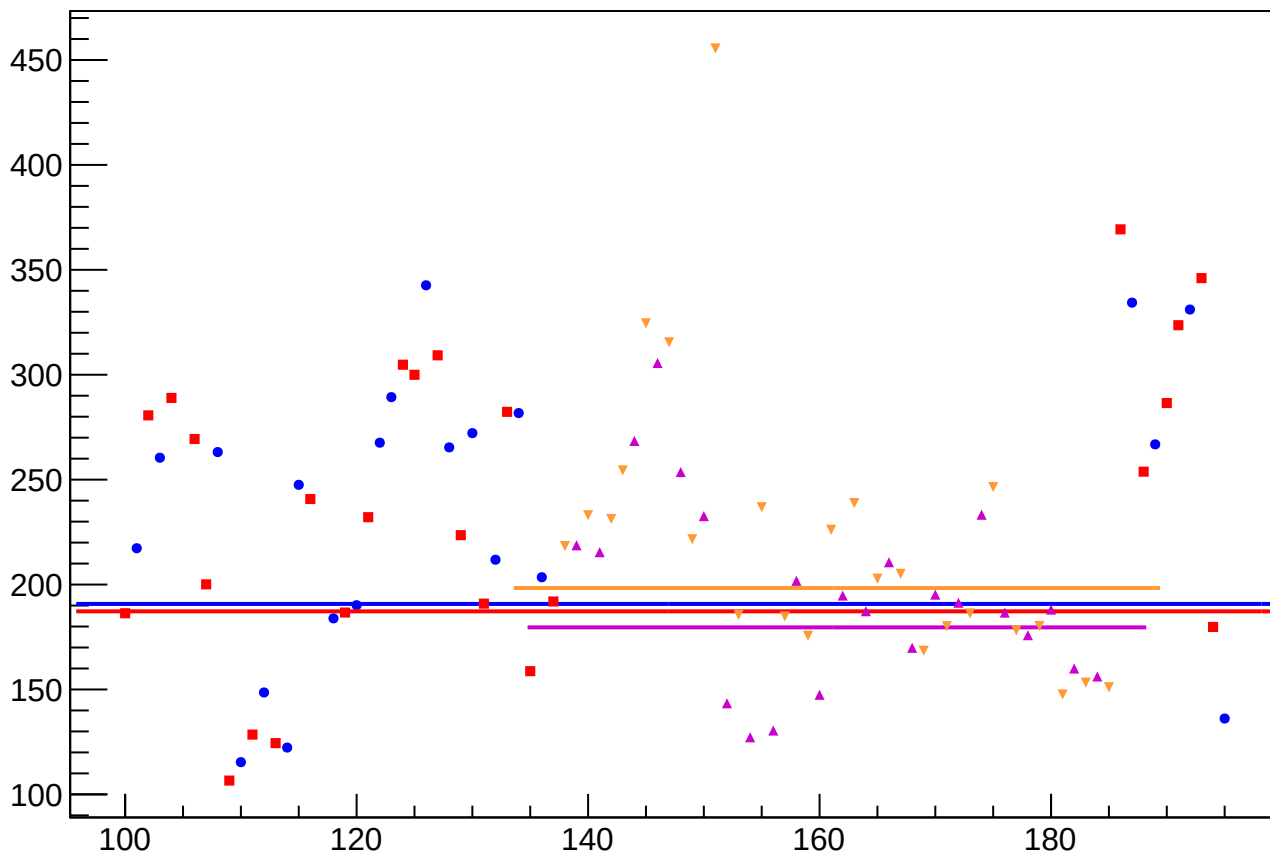
Left In: -35.879 ± 45.087 χ^2/NDF : 6.3/22

+ sign 10.800 ± 39.094 χ^2/NDF : 20.0/45

All: -1.962 ± 26.743 χ^2/NDF : 35.3/93

- sign -13.186 ± 36.665 χ^2/NDF : 15.1/47

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.768 $\pm$ 0.048 χ^2 /NDF: 1753019.5/20

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

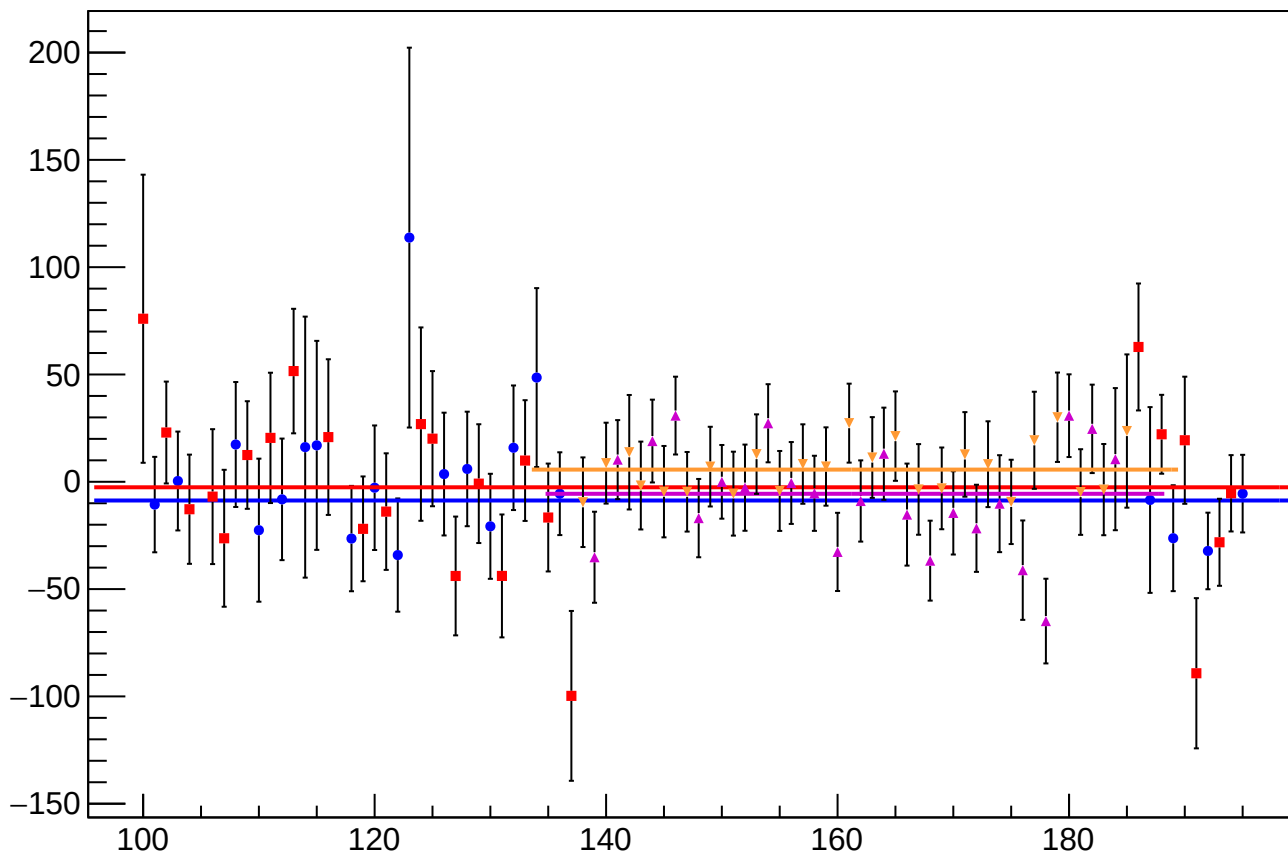
Left In: 179.605 $\pm$ 0.032 χ^2 /NDF: 1575744.0/22

+ sign 195.805 $\pm$ 0.028 χ^2 /NDF: 3527204.2/45

All: 188.562 $\pm$ 0.019 χ^2 /NDF: 7712481.1/93

- 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: -8.717 $\pm$ 5.826 χ^2/NDF : 10.6/20

Left Out: 5.680 $\pm$ 4.024 χ^2/NDF : 7.7/24

Right Out: -2.564 $\pm$ 5.450 χ^2/NDF : 35.7/24

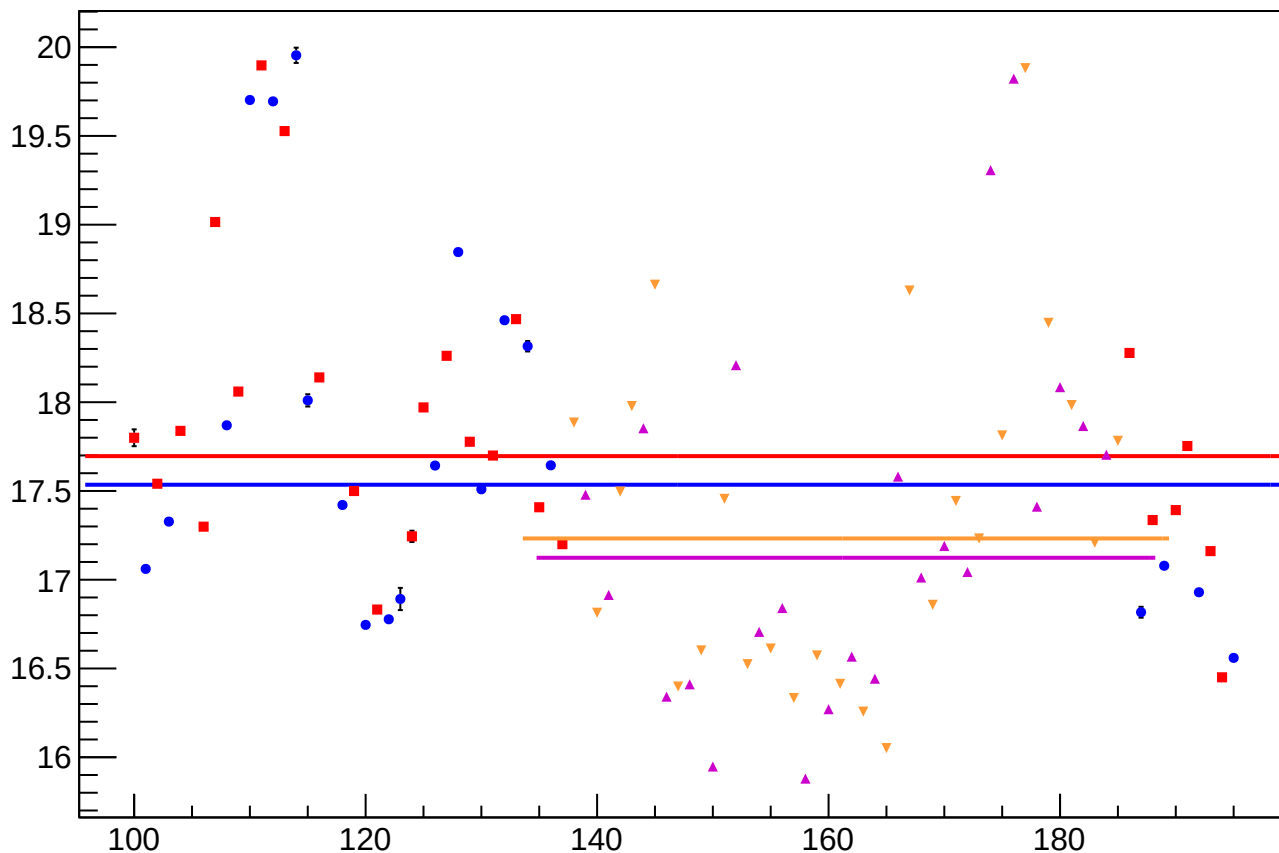
Left In: -5.595 $\pm$ 4.121 χ^2/NDF : 36.4/22

+ sign 1.031 $\pm$ 3.311 χ^2/NDF : 22.5/45

All: -1.750 $\pm$ 2.333 χ^2/NDF : 96.2/93

- sign -4.492 $\pm$ 3.287 χ^2/NDF : 72.3/47

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.535 $\pm$ 0.004 χ^2 /NDF: 45076.7/20

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

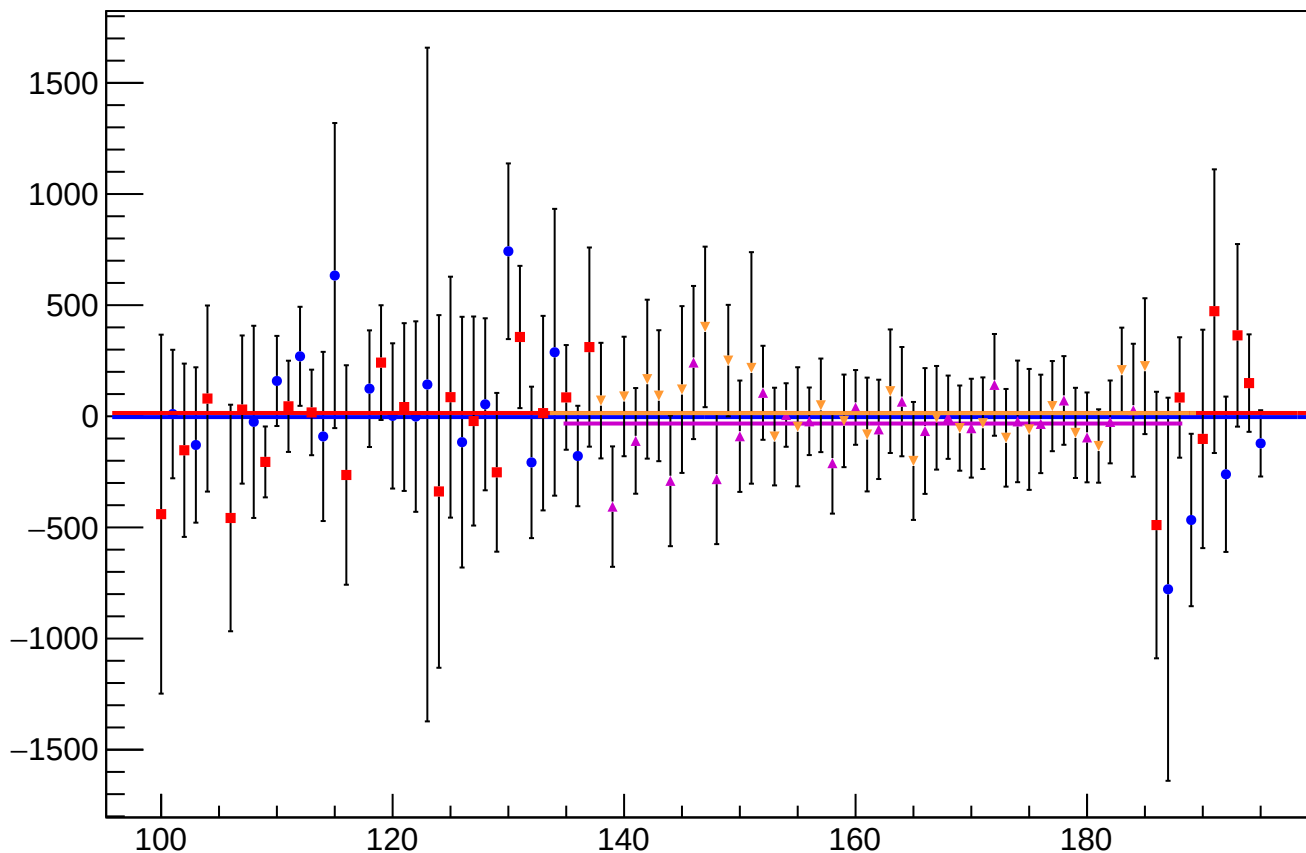
Left In: 17.124 $\pm$ 0.003 χ^2 /NDF: 100747.0/22

+ sign 17.330 $\pm$ 0.002 χ^2 /NDF: 147432.0/45

All: 17.331 $\pm$ 0.002 χ^2 /NDF: 303710.2/93

- 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: -3.589 ± 67.922 χ^2/NDF : 11.6/20

Left Out: 14.362 ± 48.130 χ^2/NDF : 6.9/24

Right Out: 14.939 ± 63.505 χ^2/NDF : 9.3/24

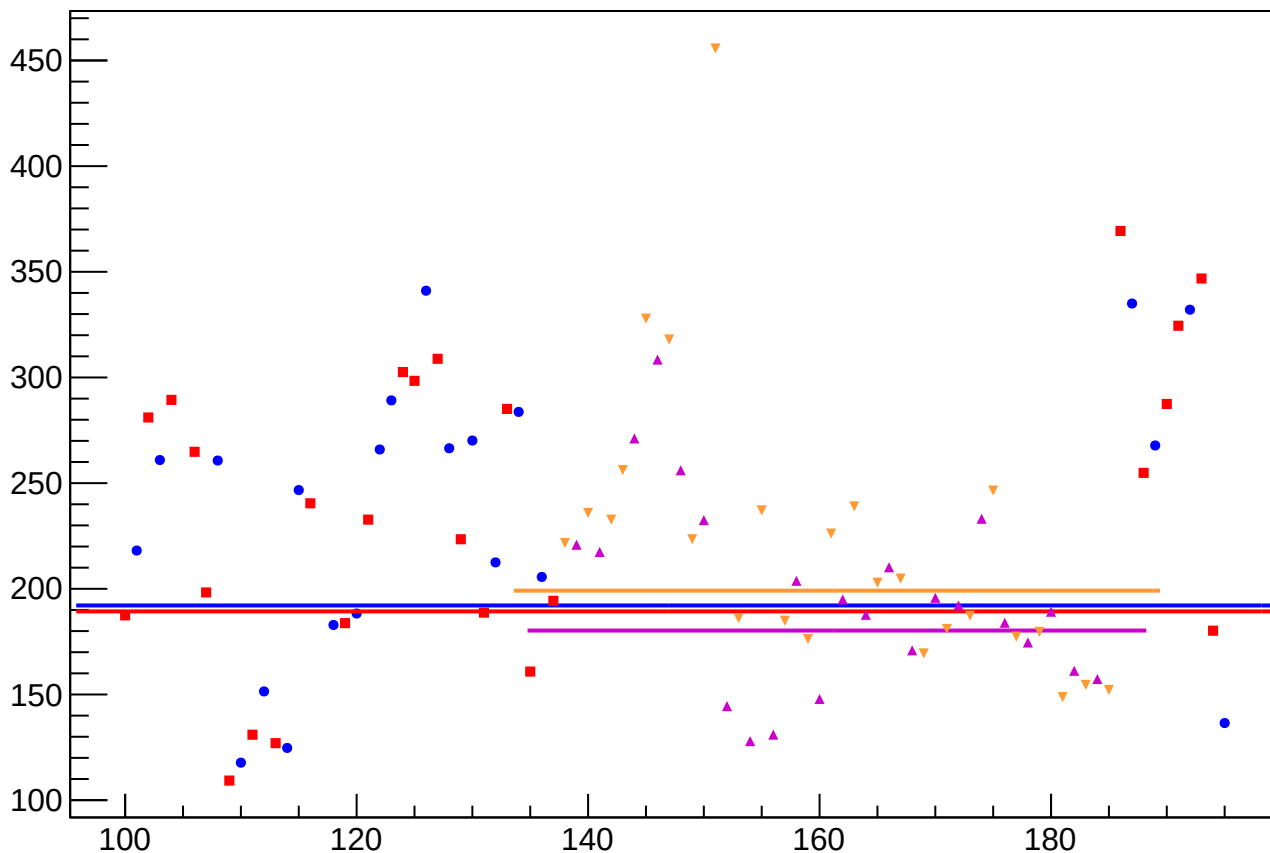
Left In: -32.571 ± 45.248 χ^2/NDF : 6.7/22

+ sign 8.362 ± 39.270 χ^2/NDF : 18.6/45

All: -4.898 ± 26.872 χ^2/NDF : 35.2/93

- sign -16.573 ± 36.850 χ^2/NDF : 16.4/47

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 192.123+/-0.048 χ^2/NDF : 1702020.1/20

Left Out: 199.136+/-0.034 χ^2/NDF : 1760298.1/24

Right Out: 189.310+/-0.045 χ^2/NDF : 2354100.0/24

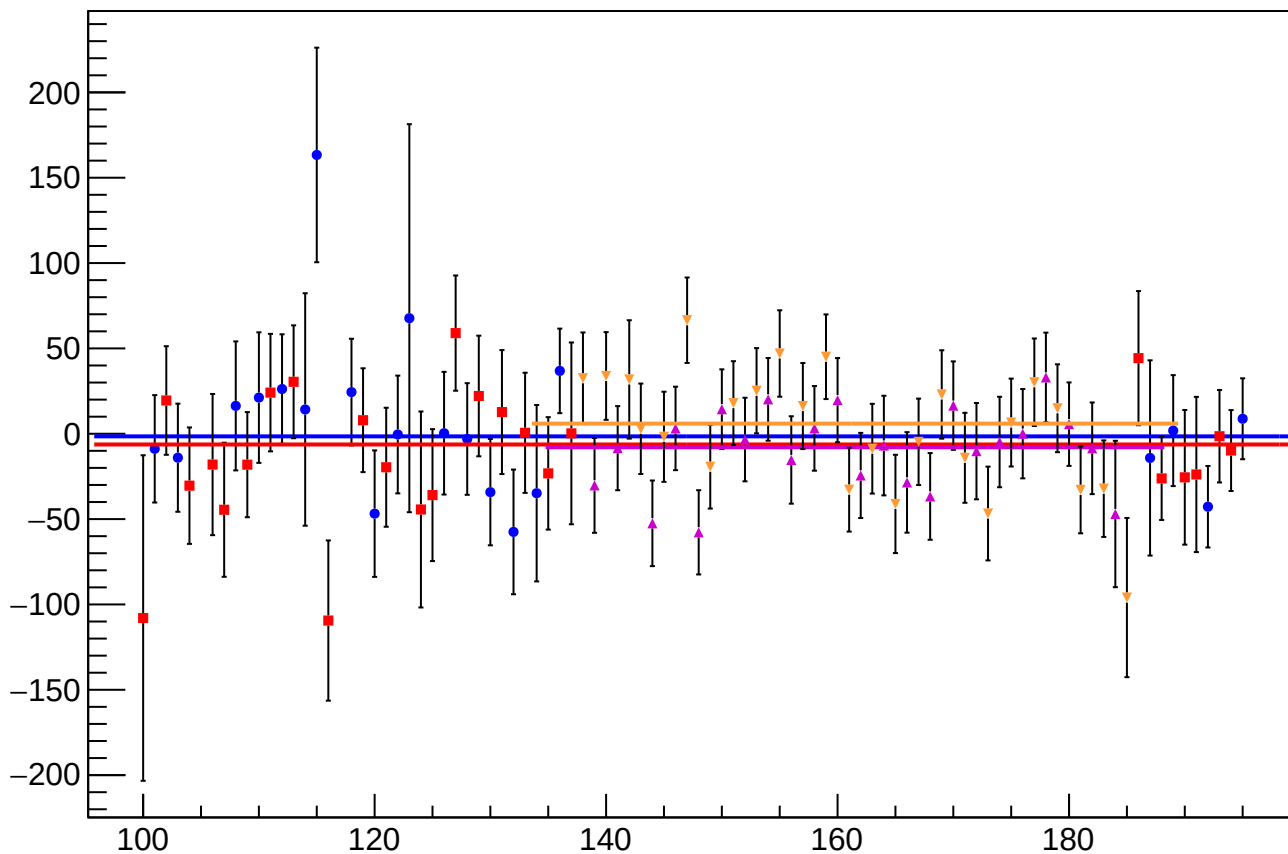
Left In: 180.256+/-0.032 χ^2/NDF : 1580553.5/22

+ sign 196.792+/-0.028 χ^2/NDF : 3476511.9/45

All: 189.620+/-0.019 χ^2/NDF : 7563566.2/93

- sign 183.305+/-0.026 χ^2/NDF : 3961616.0/47

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -1.530 ± 7.498 $\chi^2/\text{NDF}: 20.5/20$

Left Out: 5.937 ± 5.285 $\chi^2/\text{NDF}: 36.1/24$

Right Out: -6.282 ± 6.991 $\chi^2/\text{NDF}: 19.4/24$

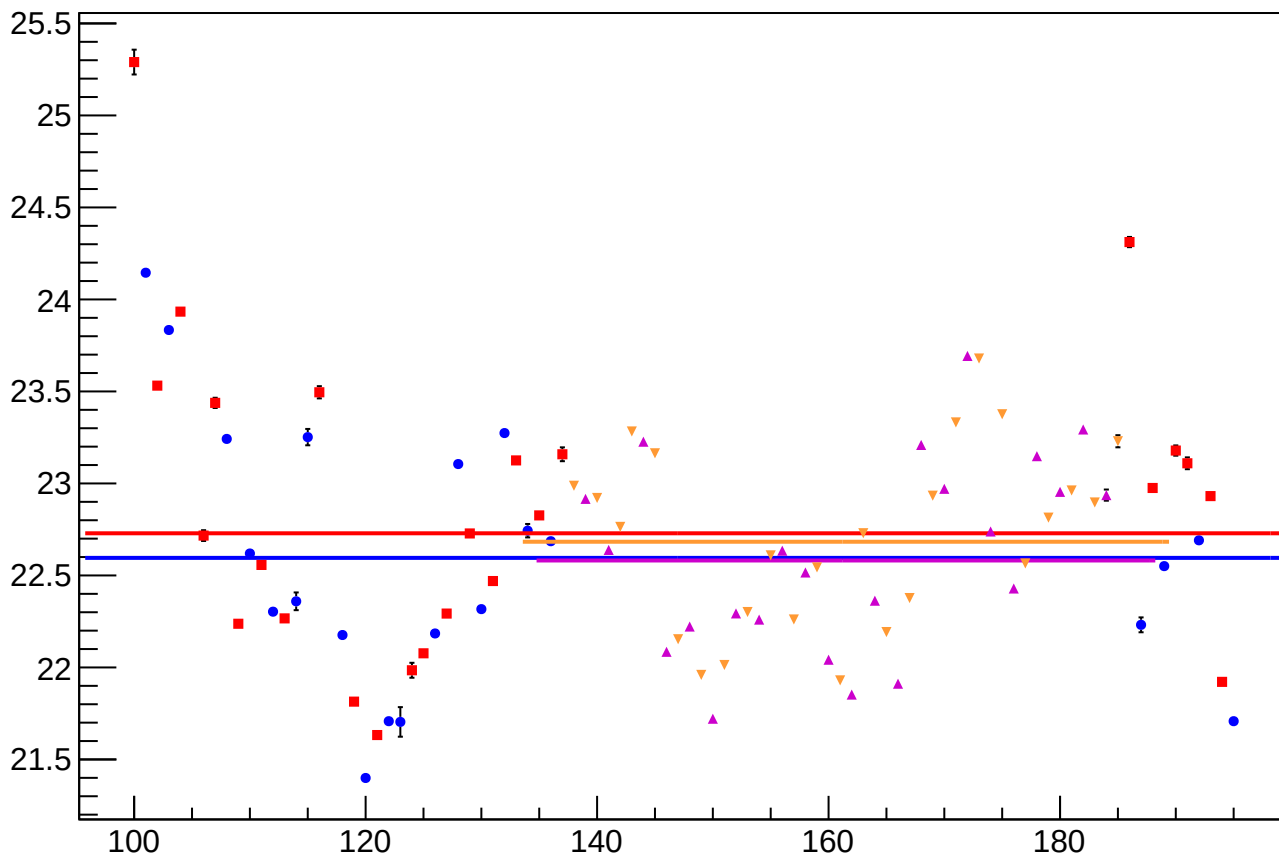
Left In: -7.915 ± 5.422 $\chi^2/\text{NDF}: 18.7/22$

+ sign 3.459 ± 4.320 $\chi^2/\text{NDF}: 57.3/45$

All: -1.966 ± 3.042 $\chi^2/\text{NDF}: 98.6/93$

- sign -7.302 ± 4.284 $\chi^2/\text{NDF}: 38.2/47$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.595 $\pm$ 0.005 χ^2 /NDF: 17358.7/20

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

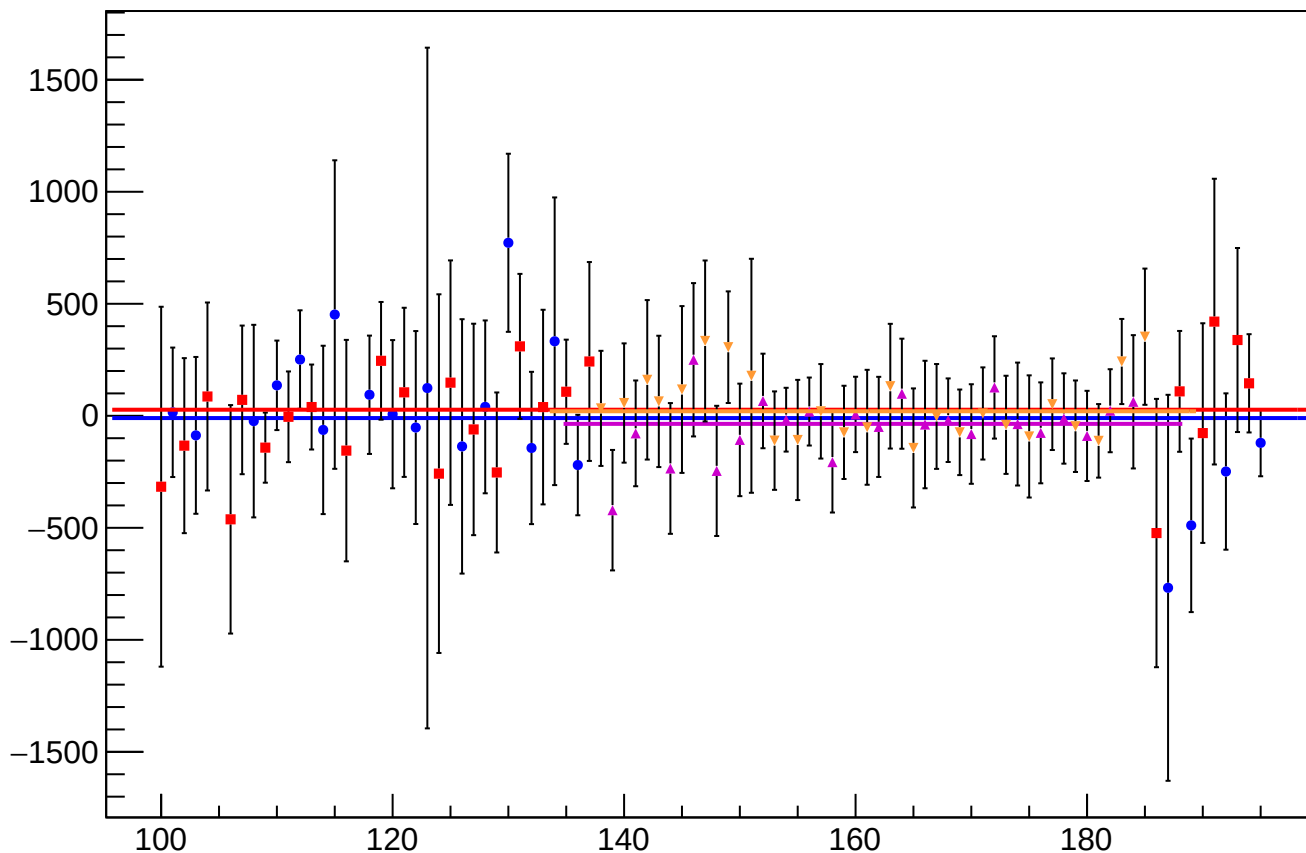
Left In: 22.581 $\pm$ 0.004 χ^2 /NDF:17904.5/22

+ sign 22.654 $\pm$ 0.003 χ^2 /NDF: 33861.7/45

All: 22.645 $\pm$ 0.002 χ^2 /NDF: 71501.6/93

- 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: -10.089 ± 67.707 χ^2/NDF : 11.2/20

Left Out: 20.306 ± 48.049 χ^2/NDF : 7.7/24

Right Out: 27.201 ± 63.131 χ^2/NDF : 7.5/24

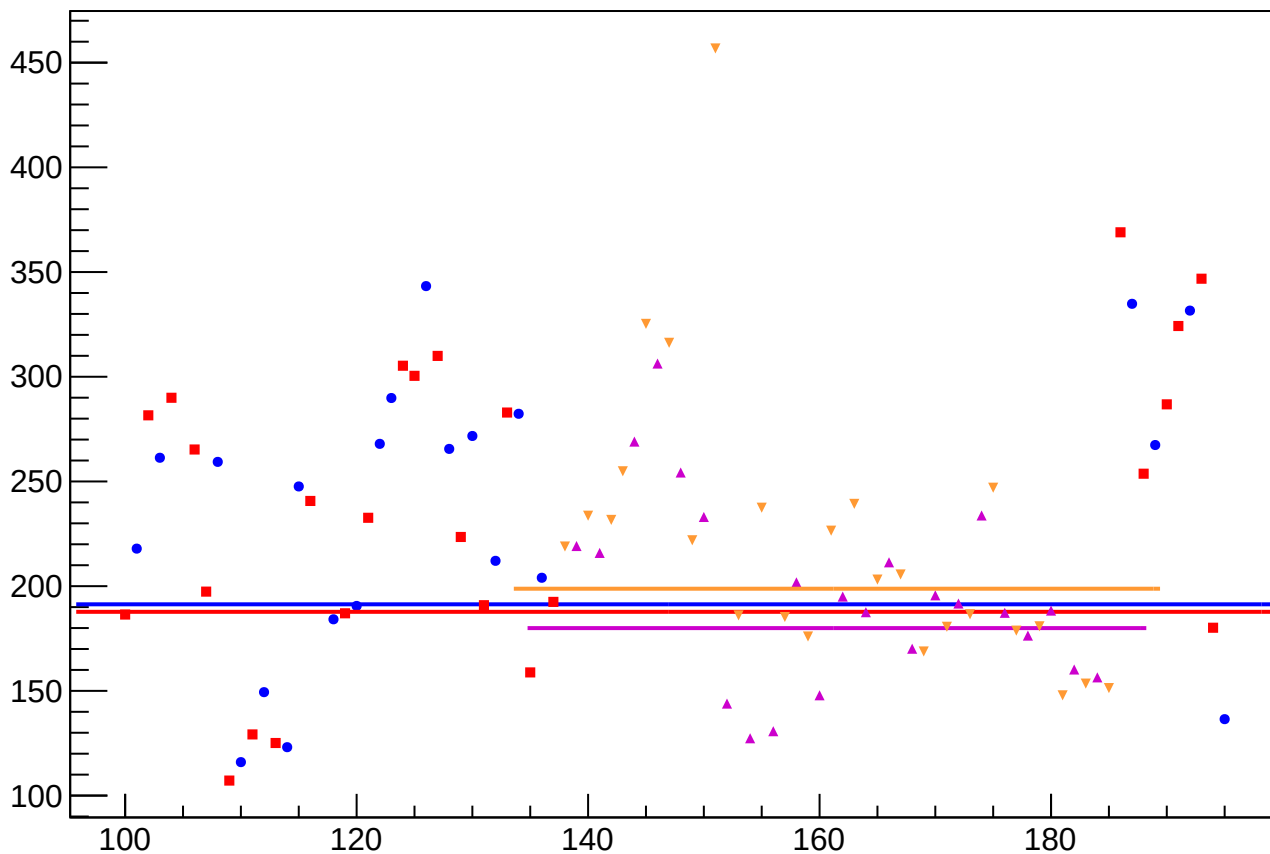
Left In: -35.996 ± 45.180 χ^2/NDF : 6.1/22

+ sign 10.126 ± 39.185 χ^2/NDF : 19.1/45

All: -3.027 ± 26.802 χ^2/NDF : 33.5/93

- sign -14.591 ± 36.741 χ^2/NDF : 14.3/47

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.336 $\pm$ 0.048 χ^2 /NDF: 1736477.1/20

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

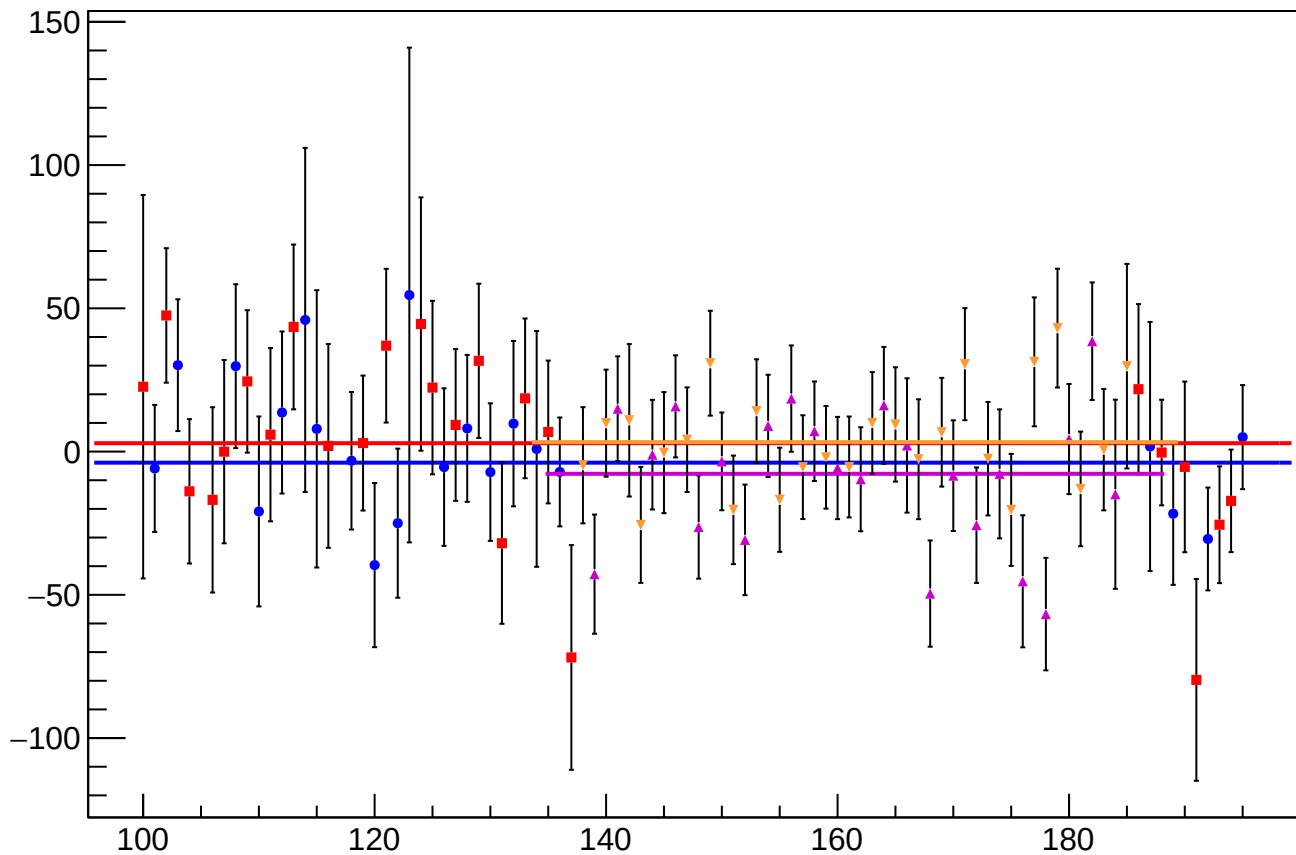
Left In: 179.972 $\pm$ 0.032 χ^2 /NDF:1575888.3/22

+ sign 196.290 $\pm$ 0.028 χ^2 /NDF: 3511056.6/45

All: 189.008 $\pm$ 0.019 χ^2 /NDF: 7674198.4/93

- 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: -3.869 ± 5.774 χ^2/NDF : 11.1/20

Left Out: 3.307 ± 3.954 χ^2/NDF : 18.7/24

Right Out: 2.929 ± 5.406 χ^2/NDF : 26.1/24

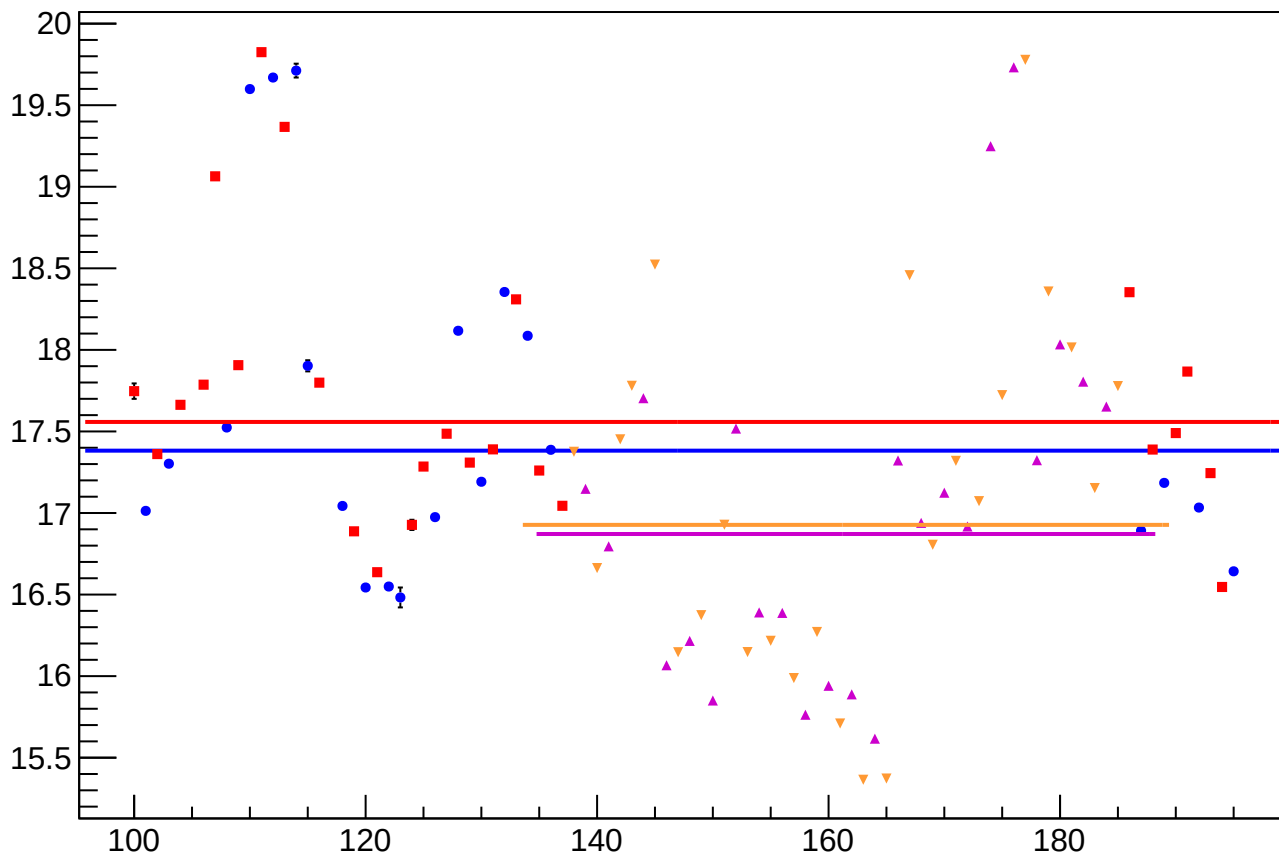
Left In: -7.756 ± 4.061 χ^2/NDF : 34.3/22

+ sign 1.017 ± 3.262 χ^2/NDF : 30.9/45

All: -1.454 ± 2.301 χ^2/NDF : 94.9/93

- sign -3.902 ± 3.247 χ^2/NDF : 62.9/47

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.382 $\pm$ 0.004 χ^2 /NDF: 39788.8/20

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

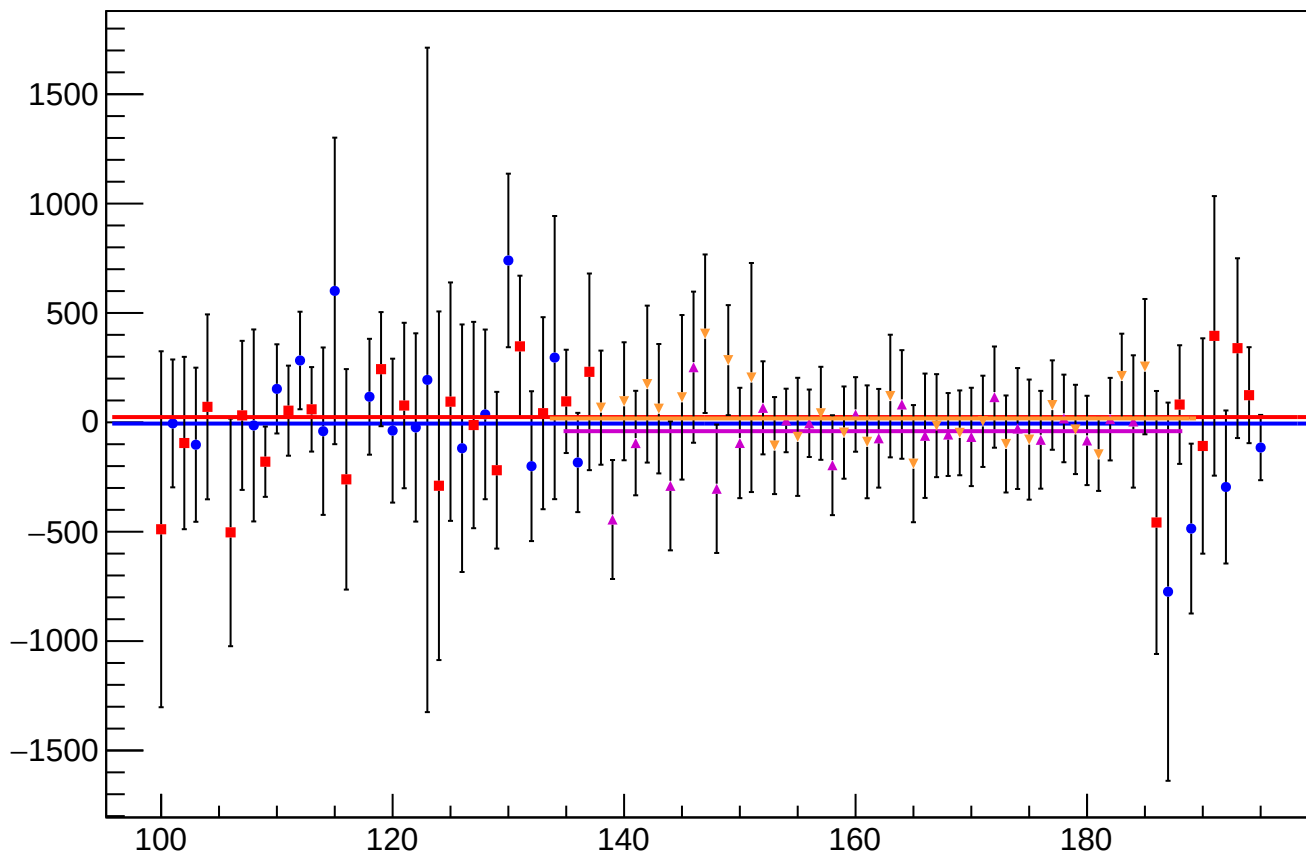
Left In: 16.871 $\pm$ 0.003 χ^2 /NDF:117993.8/22

+ sign 17.073 $\pm$ 0.002 χ^2 /NDF: 186775.7/45

All: 17.096 $\pm$ 0.002 χ^2 /NDF: 365492.7/93

- 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: -5.607 ± 68.219 $\chi^2/\text{NDF}: 11.6/20$

Left Out: 17.828 ± 48.547 $\chi^2/\text{NDF}: 7.5/24$

Right Out: 24.055 ± 63.870 $\chi^2/\text{NDF}: 8.1/24$

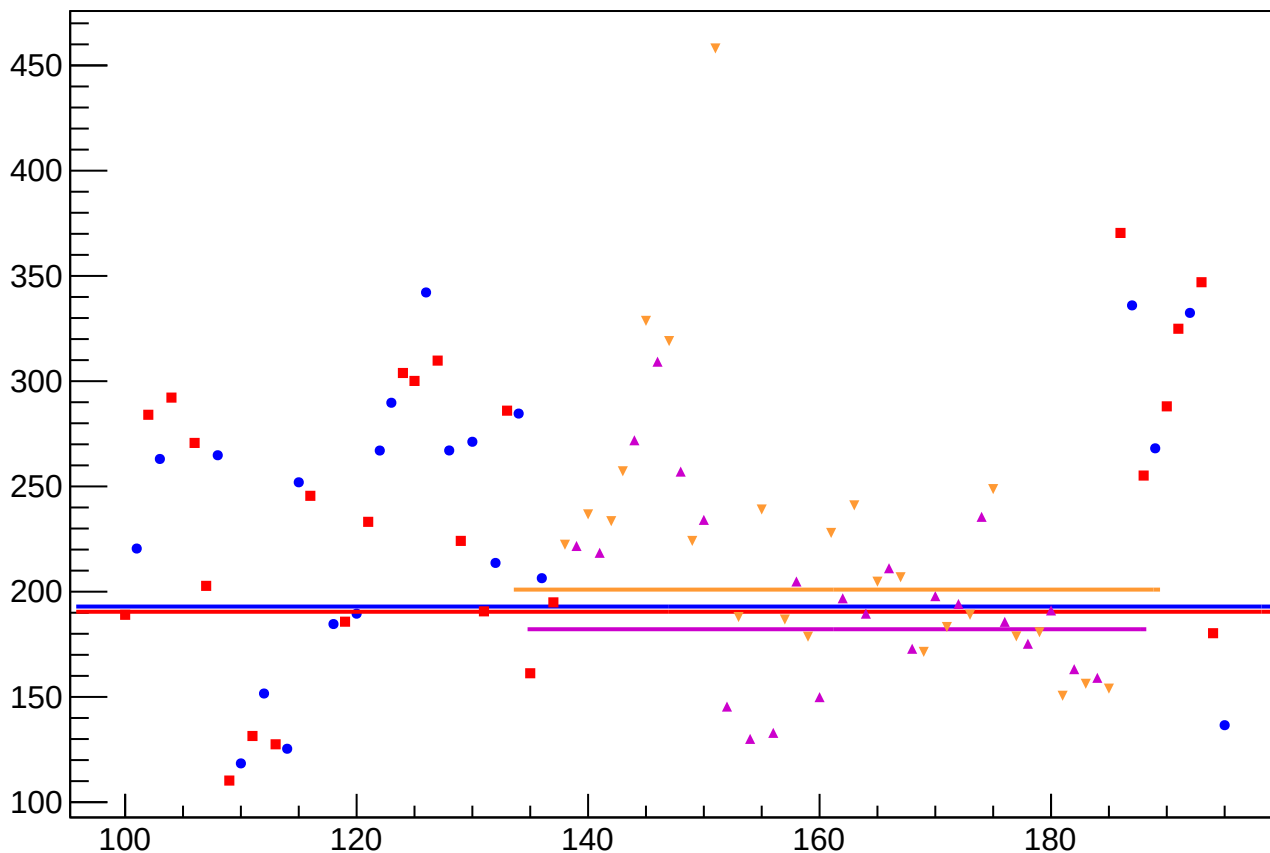
Left In: -40.355 ± 45.689 $\chi^2/\text{NDF}: 6.6/22$

+ sign 9.950 ± 39.554 $\chi^2/\text{NDF}: 19.2/45$

All: -5.190 ± 27.083 $\chi^2/\text{NDF}: 34.8/93$

- sign -18.553 ± 37.160 $\chi^2/\text{NDF}: 15.4/47$

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 192.936 $\pm$ 0.048 χ^2 /NDF: 1710513.4/20

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

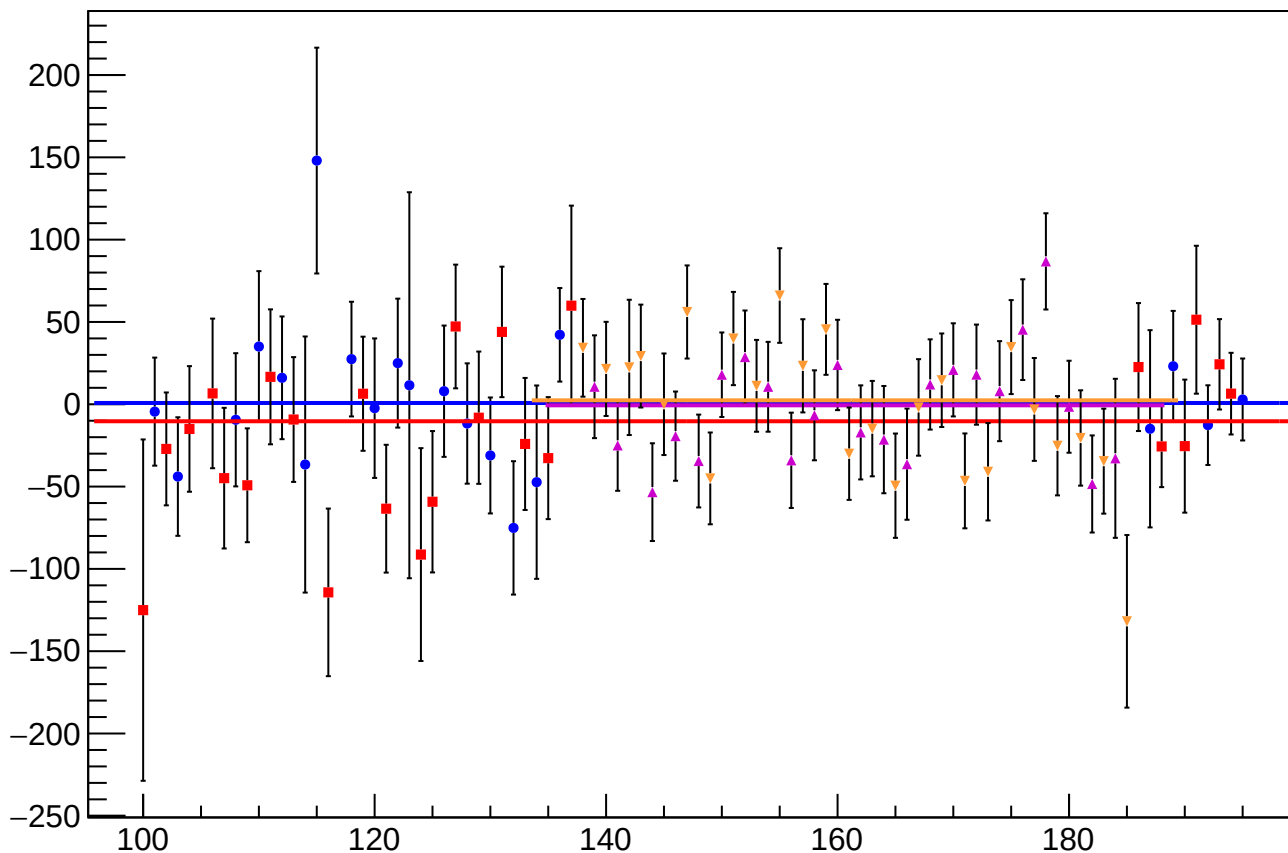
Left In: 182.158 $\pm$ 0.032 χ^2 /NDF: 1535922.8/22

+ sign 198.279 $\pm$ 0.028 χ^2 /NDF: 3456287.0/45

All: 191.210 $\pm$ 0.019 χ^2 /NDF: 7485953.7/93

- 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: 0.786 ± 8.221 $\chi^2/\text{NDF}: 16.3/20$

Left Out: 2.390 ± 5.980 $\chi^2/\text{NDF}: 39.1/24$

Right Out: -10.320 ± 7.581 $\chi^2/\text{NDF}: 24.3/24$

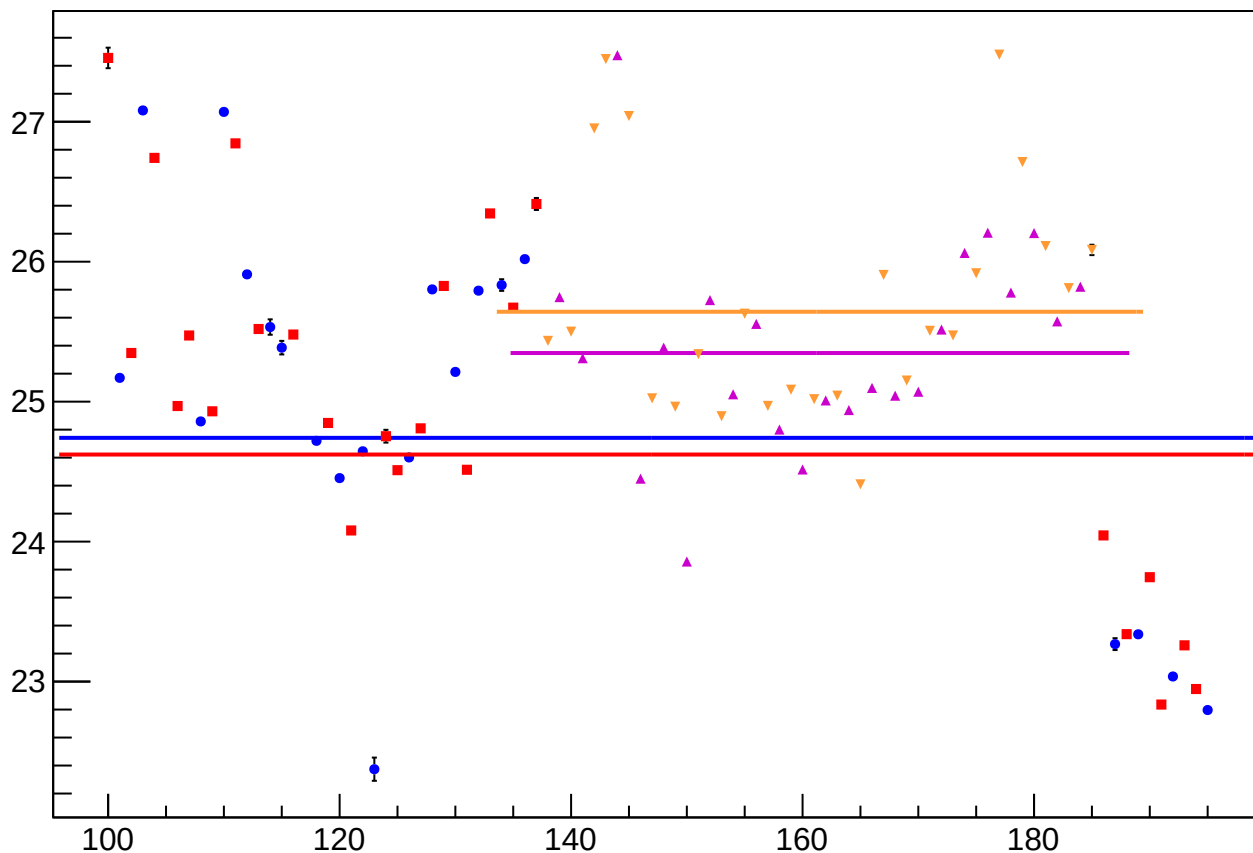
Left In: -0.641 ± 6.091 $\chi^2/\text{NDF}: 27.3/22$

+ sign 1.835 ± 4.836 $\chi^2/\text{NDF}: 55.4/45$

All: -1.359 ± 3.388 $\chi^2/\text{NDF}: 108.9/93$

- 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: 24.741 ± 0.006 $\chi^2/\text{NDF}: 52208.3/20$

Left Out: 25.642 ± 0.004 $\chi^2/\text{NDF}: 34802.2/24$

Right Out: 24.622 ± 0.005 $\chi^2/\text{NDF}: 50582.2/24$

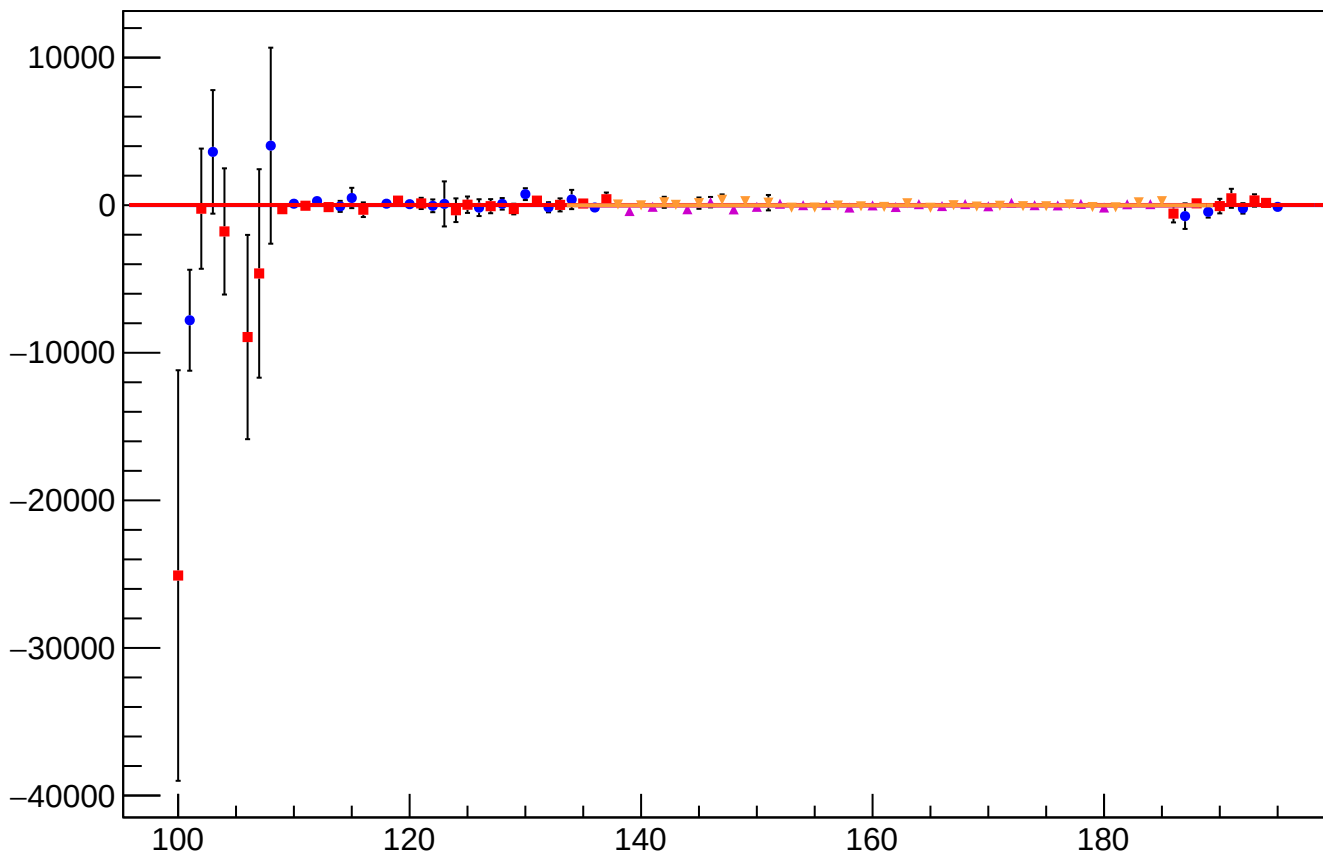
Left In: 25.347 ± 0.004 $\chi^2/\text{NDF}: 29389.5/22$

+ sign 25.331 ± 0.003 $\chi^2/\text{NDF}: 102718.7/45$

All: 25.194 ± 0.002 $\chi^2/\text{NDF}: 196934.6/93$

- sign 25.063 ± 0.003 $\chi^2/\text{NDF}: 91096.2/47$

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 5.867 $\pm$ 73.143 χ^2 /NDF: 16.5/20

Left Out: -11.432 $\pm$ 48.263 χ^2 /NDF: 8.0/24

Right Out: 14.629 $\pm$ 70.581 χ^2 /NDF: 14.7/24

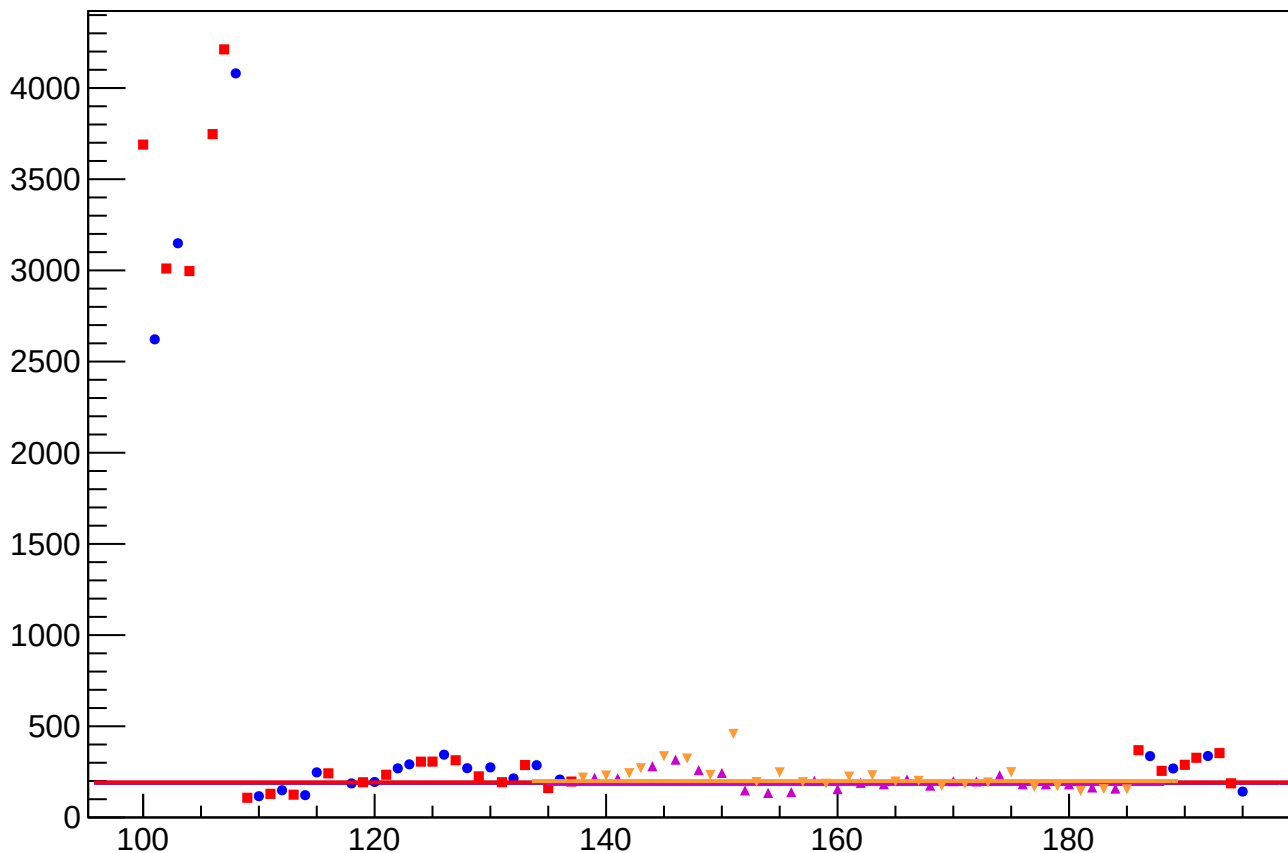
Left In: -27.098 $\pm$ 45.999 χ^2 /NDF: 7.2/22

+ sign -6.185 $\pm$ 40.284 χ^2 /NDF: 24.5/45

All: -10.609 $\pm$ 27.847 χ^2 /NDF: 46.7/93

- sign -14.659 $\pm$ 38.537 χ^2 /NDF: 22.1/47

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 190.336 $\pm$ 0.052 χ^2 /NDF: 4249688.2/20

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

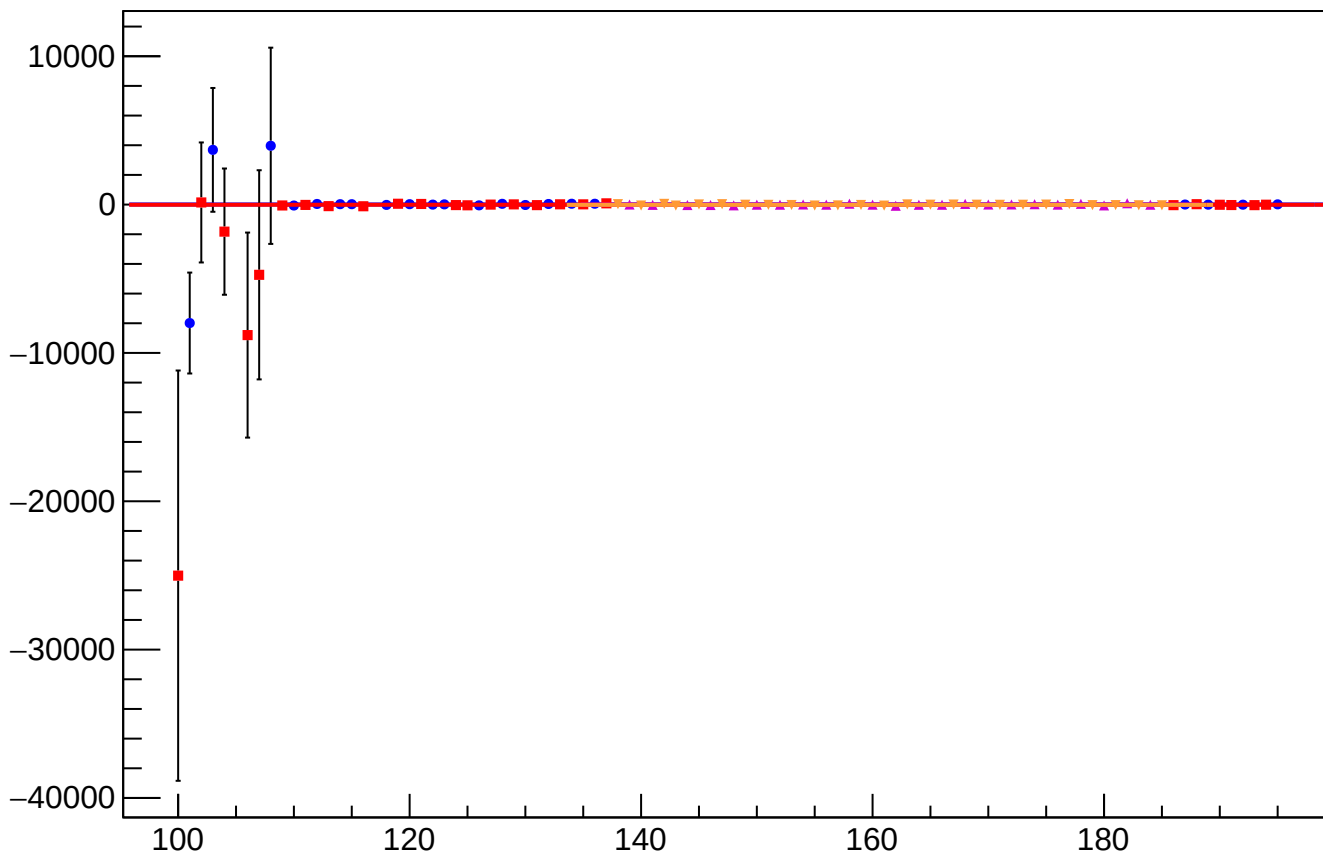
Left In: 183.805 $\pm$ 0.033 χ^2 /NDF: 1412869.6/22

+ sign 196.677 $\pm$ 0.028 χ^2 /NDF: 6149111.4/45

All: 191.245 $\pm$ 0.020 χ^2 /NDF: 12708609.4/93

- 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: 8.060 ± 10.029 χ^2/NDF : 18.9/20

Left Out: -18.118 ± 6.704 χ^2/NDF : 21.7/24

Right Out: -11.744 ± 9.470 χ^2/NDF : 26.5/24

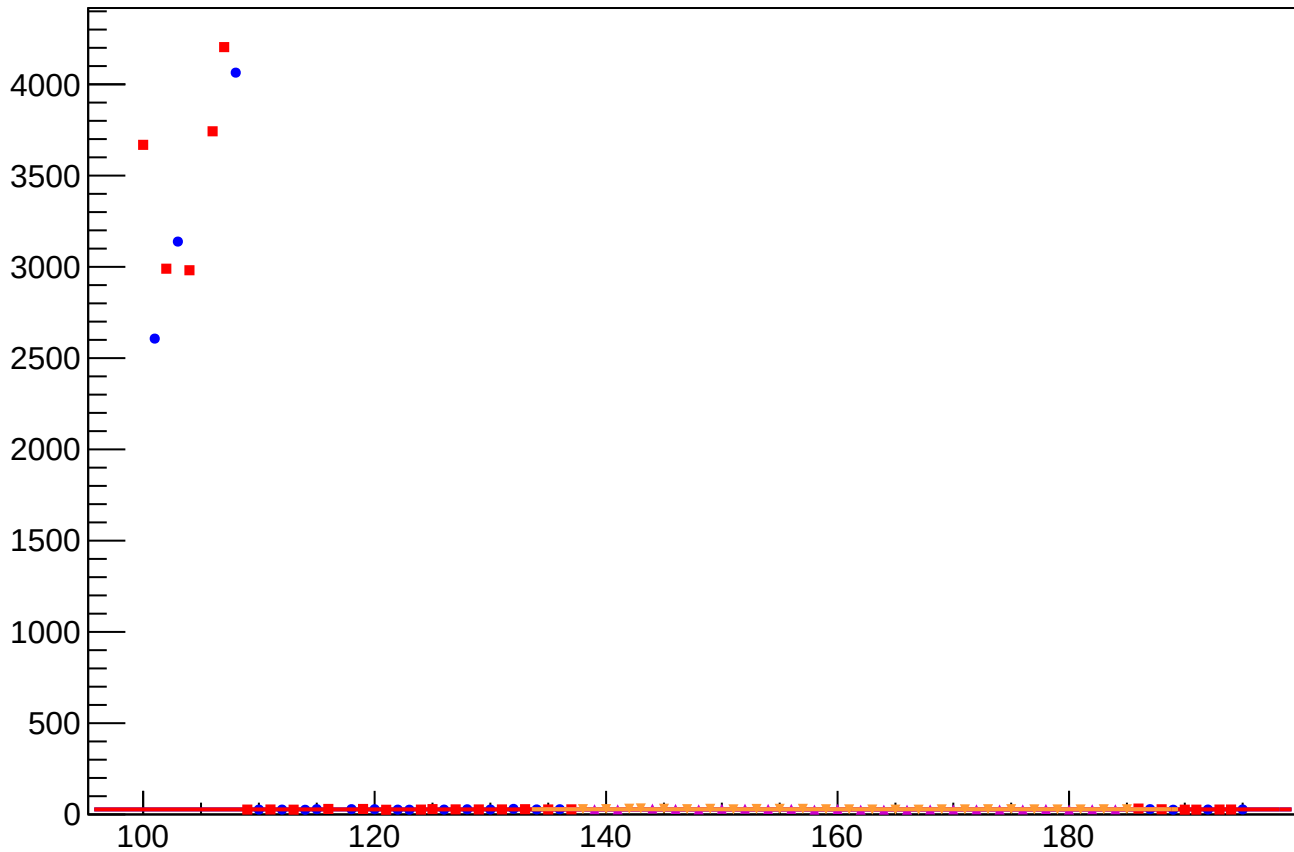
Left In: -1.267 ± 6.908 χ^2/NDF : 32.0/22

+ sign -10.033 ± 5.573 χ^2/NDF : 45.3/45

All: -7.473 ± 3.943 χ^2/NDF : 105.1/93

- sign -4.906 ± 5.581 χ^2/NDF : 59.4/47

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.580 $\pm$ 0.007 χ^2 /NDF: 3033710.7/20

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

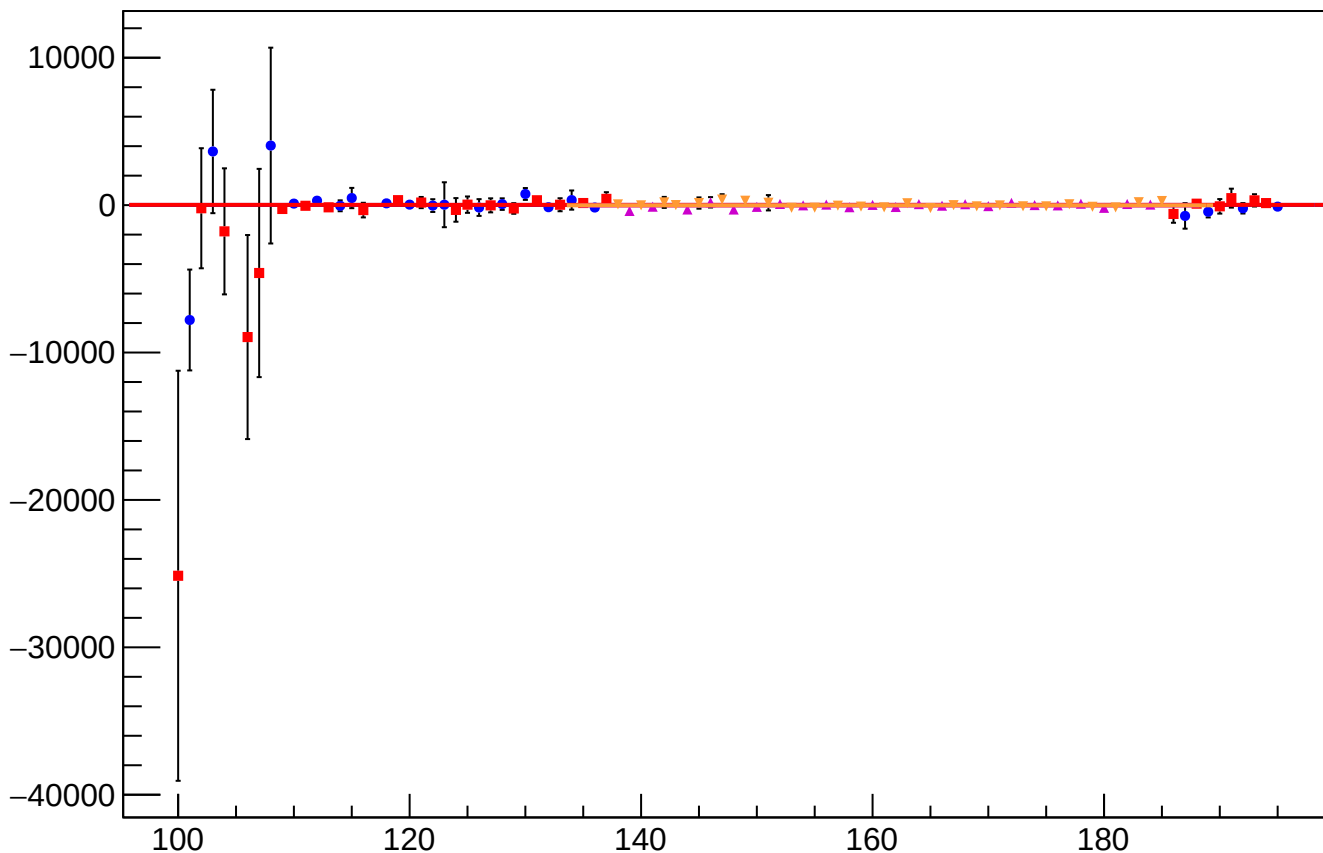
Left In: 28.677 $\pm$ 0.005 χ^2 /NDF: 123814.4/22

+ sign 28.350 $\pm$ 0.004 χ^2 /NDF: 3161226.5/45

All: 28.333 $\pm$ 0.003 χ^2 /NDF: 6799847.3/93

- 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: 12.163+/-72.936 χ^2/NDF : 16.7/20

Left Out: -13.878+/-48.155 χ^2/NDF : 8.8/24

Right Out: 18.032+/-70.387 χ^2/NDF : 15.4/24

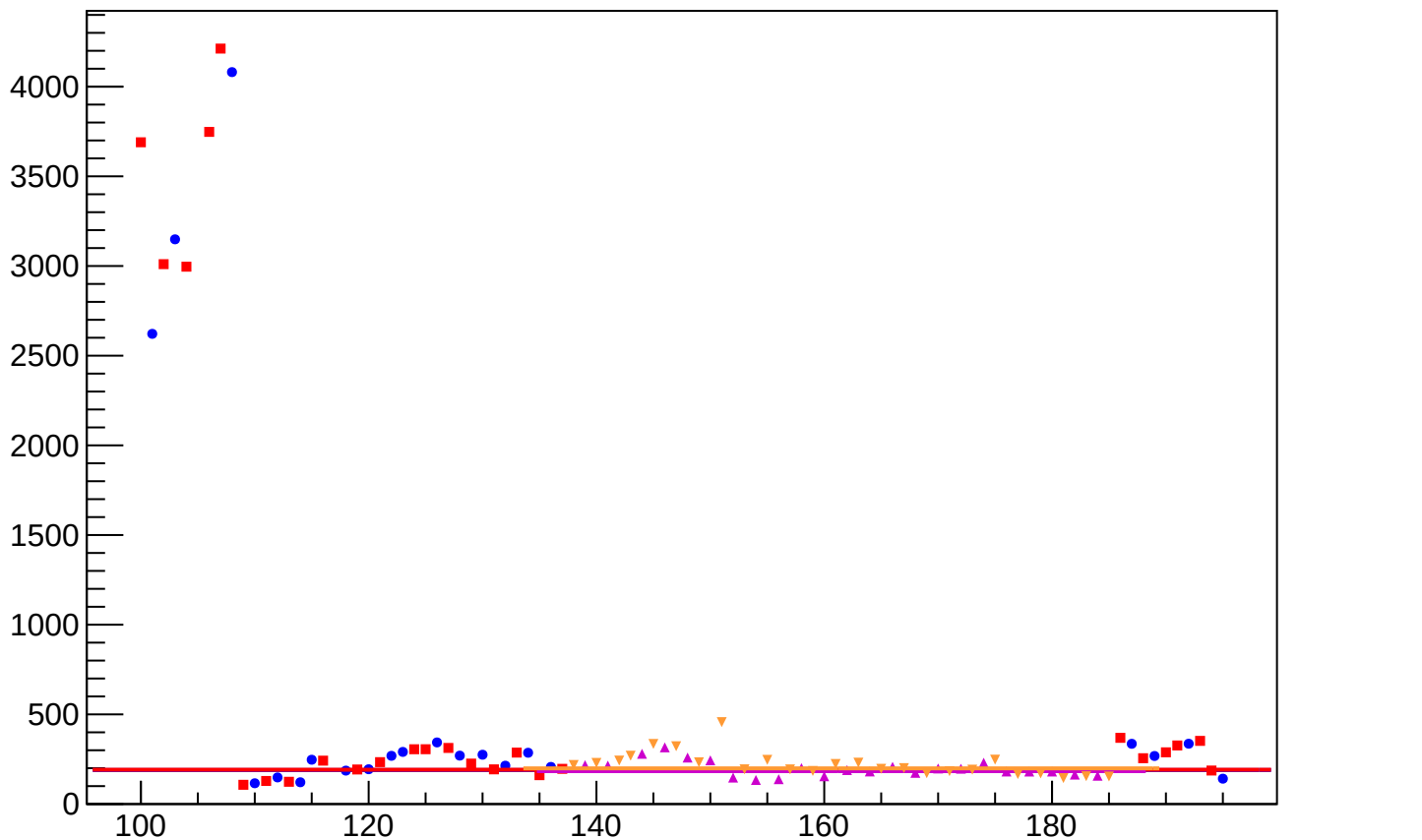
Left In: -27.286+/-45.907 χ^2/NDF : 7.5/22

+ sign -5.972+/-40.186 χ^2/NDF : 25.6/45

All: -10.039+/-27.782 χ^2/NDF : 48.7/93

- sign -13.762+/-38.452 χ^2/NDF : 23.1/47

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 189.711 $\pm$ 0.052 χ^2 /NDF: 4262423.0/20

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

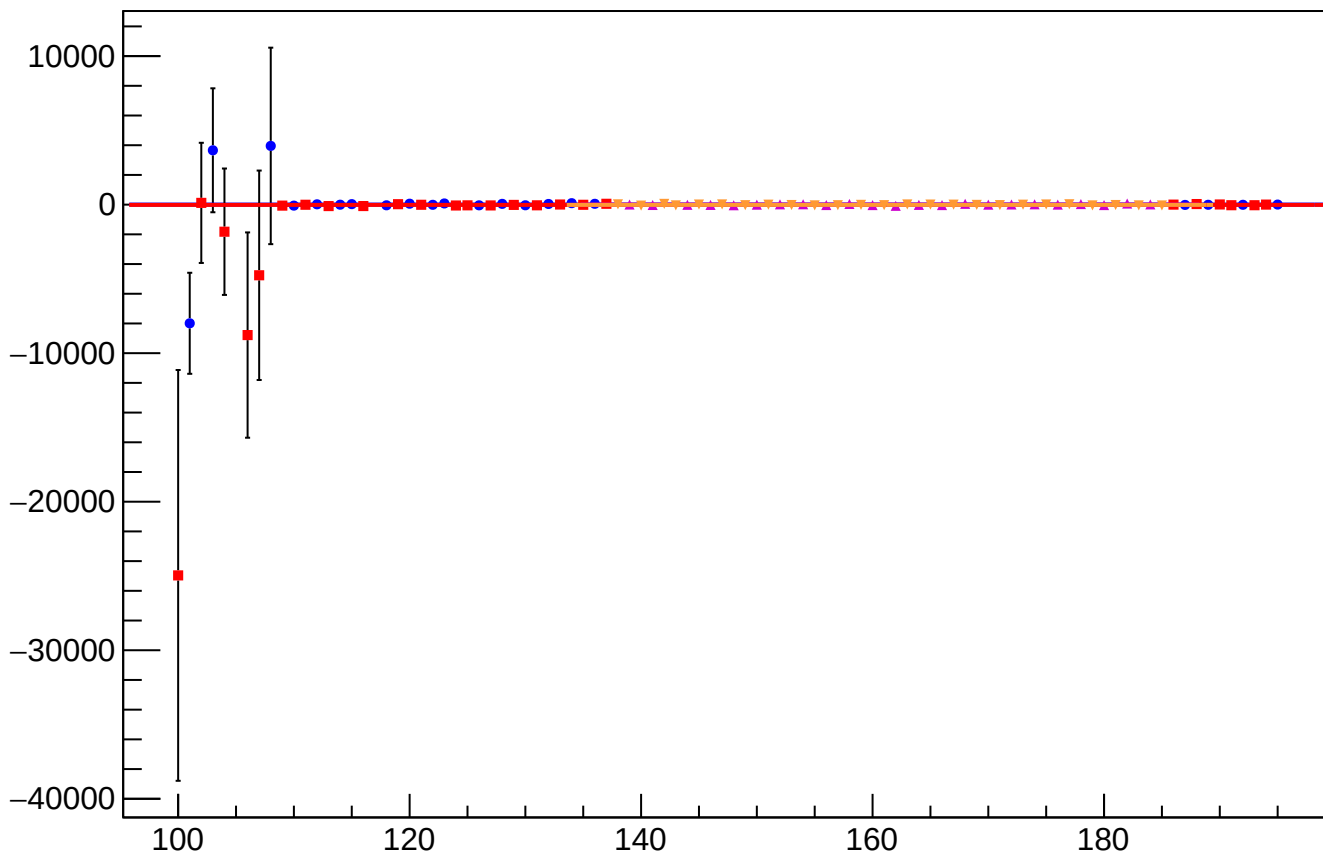
Left In: 183.442 $\pm$ 0.032 χ^2 /NDF: 1412341.8/22

+ sign 196.178 $\pm$ 0.028 χ^2 /NDF: 6162634.5/45

All: 190.776 $\pm$ 0.020 χ^2 /NDF: 12738144.8/93

- 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: 4.490 $\pm$ 10.071 χ^2 /NDF: 23.2/20

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

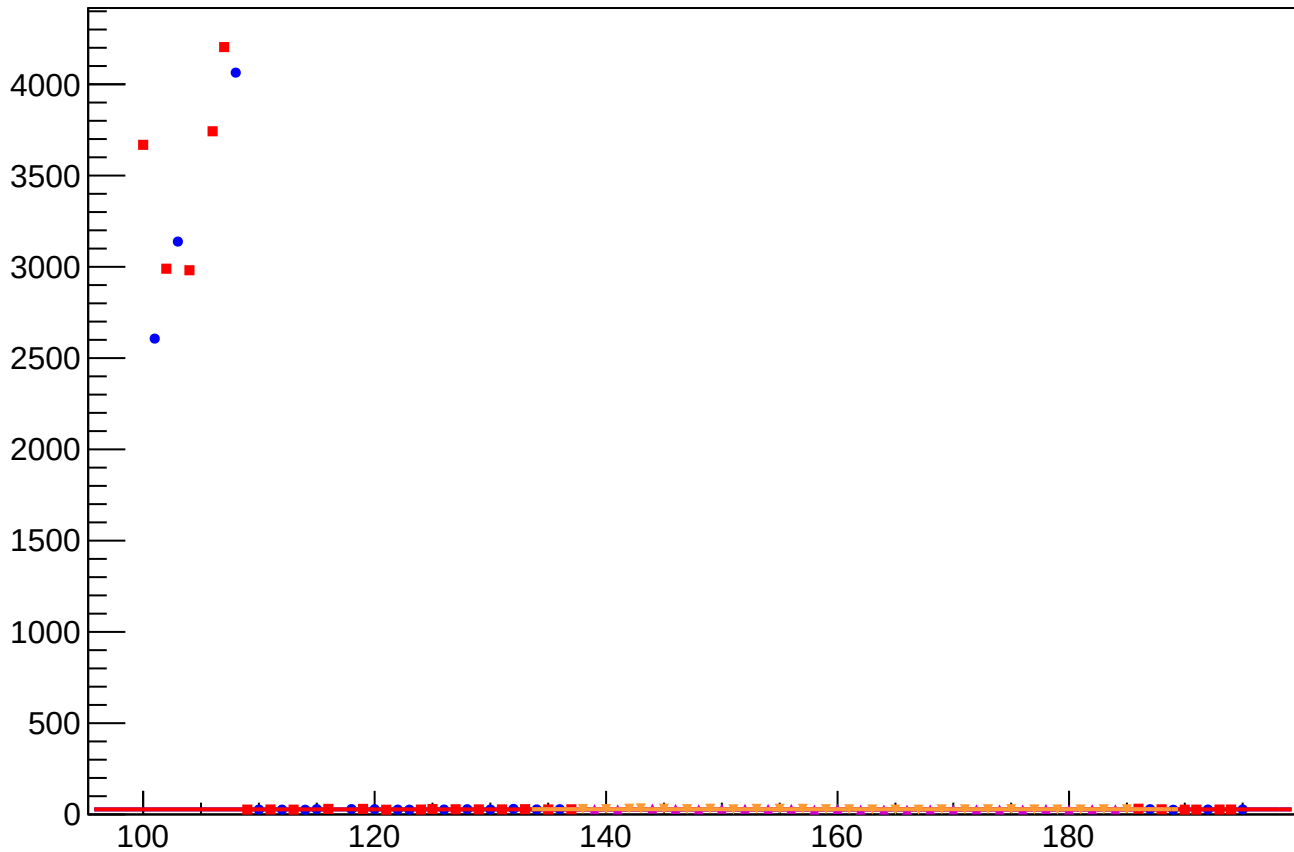
Left In: 0.498 $\pm$ -6.937 χ^2 /NDF:26.1/22

+ sign -9.552 $\pm$ -5.597 χ^2 /NDF: 42.5/45

All: -7.551 $\pm$ -3.960 χ^2 /NDF: 93.4/93

- 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: 27.690 $\pm$ 0.007 χ^2 /NDF: 3036070.0/20

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

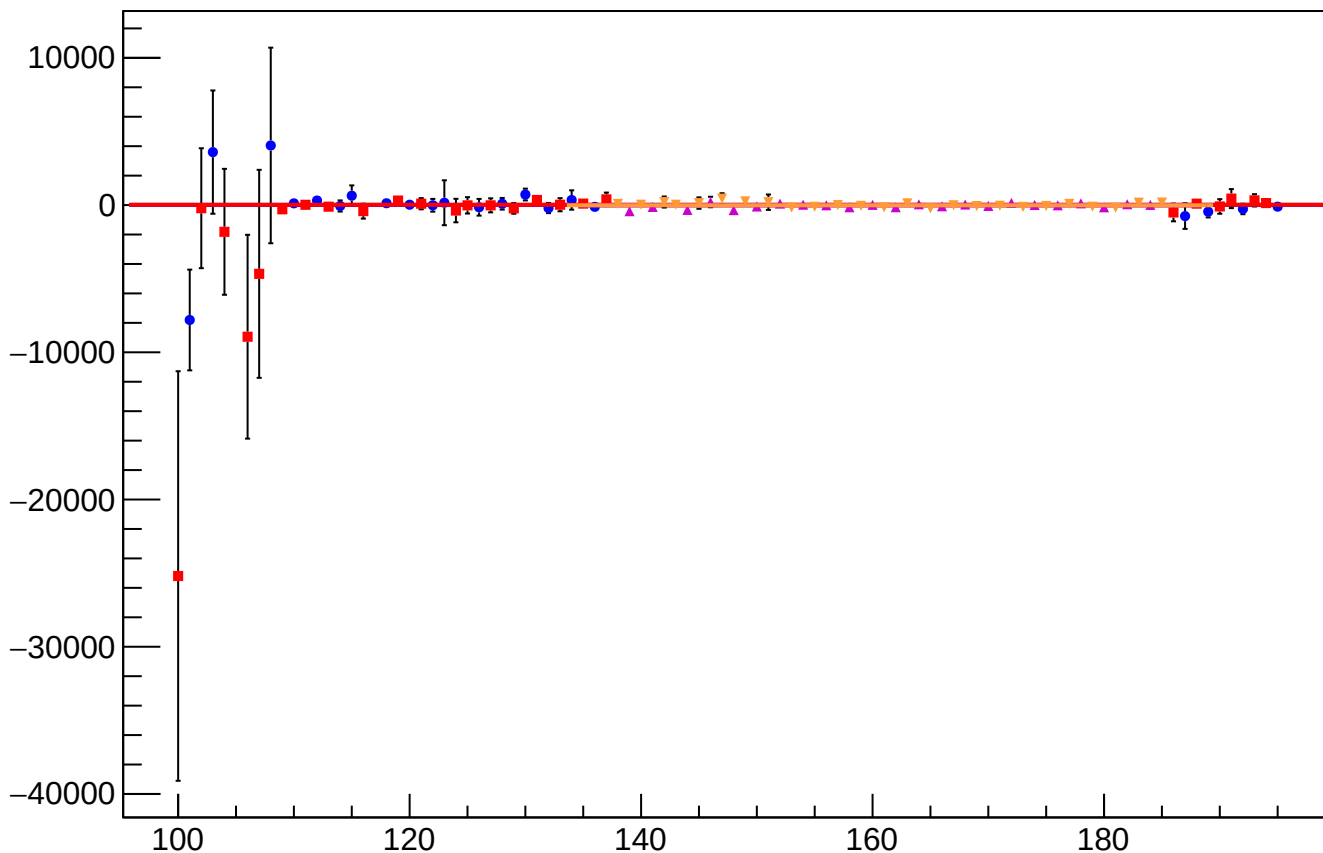
Left In: 28.797 $\pm$ 0.005 χ^2 /NDF: 128279.2/22

+ sign 28.467 $\pm$ 0.004 χ^2 /NDF: 3175458.1/45

All: 28.449 $\pm$ 0.003 χ^2 /NDF: 6817012.7/93

- 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: 12.840+/-73.558 χ^2/NDF : 16.9/20

Left Out: -13.966+/-48.735 χ^2/NDF : 8.1/24

Right Out: 19.669+/-71.141 χ^2/NDF : 14.5/24

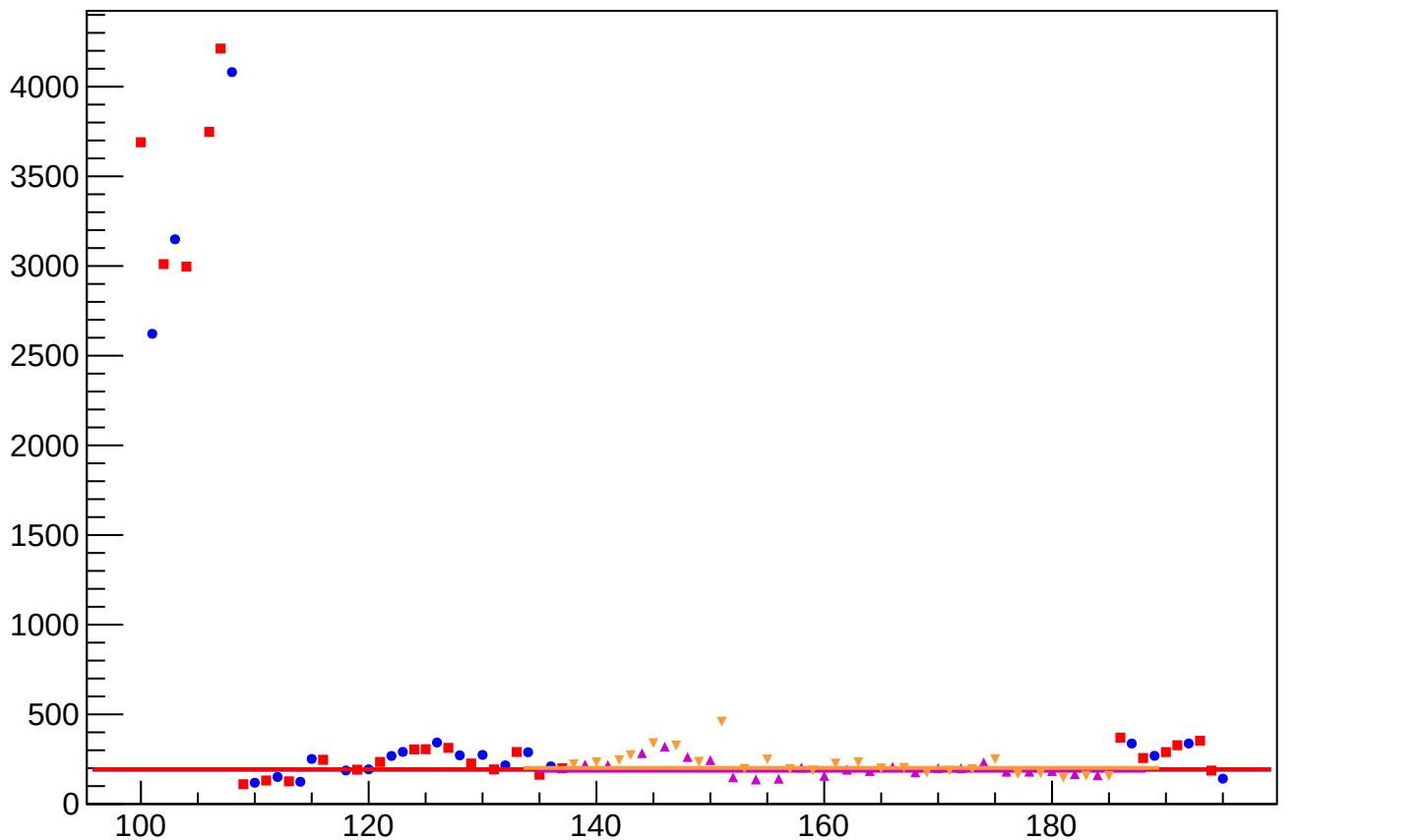
Left In: -31.477+/-46.483 χ^2/NDF : 7.8/22

+ sign -5.788+/-40.627 χ^2/NDF : 25.2/45

All: -11.205+/-28.102 χ^2/NDF : 47.9/93

- sign -16.175+/-38.913 χ^2/NDF : 22.7/47

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 191.601 $\pm$ 0.052 χ^2 /NDF: 4221787.3/20

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

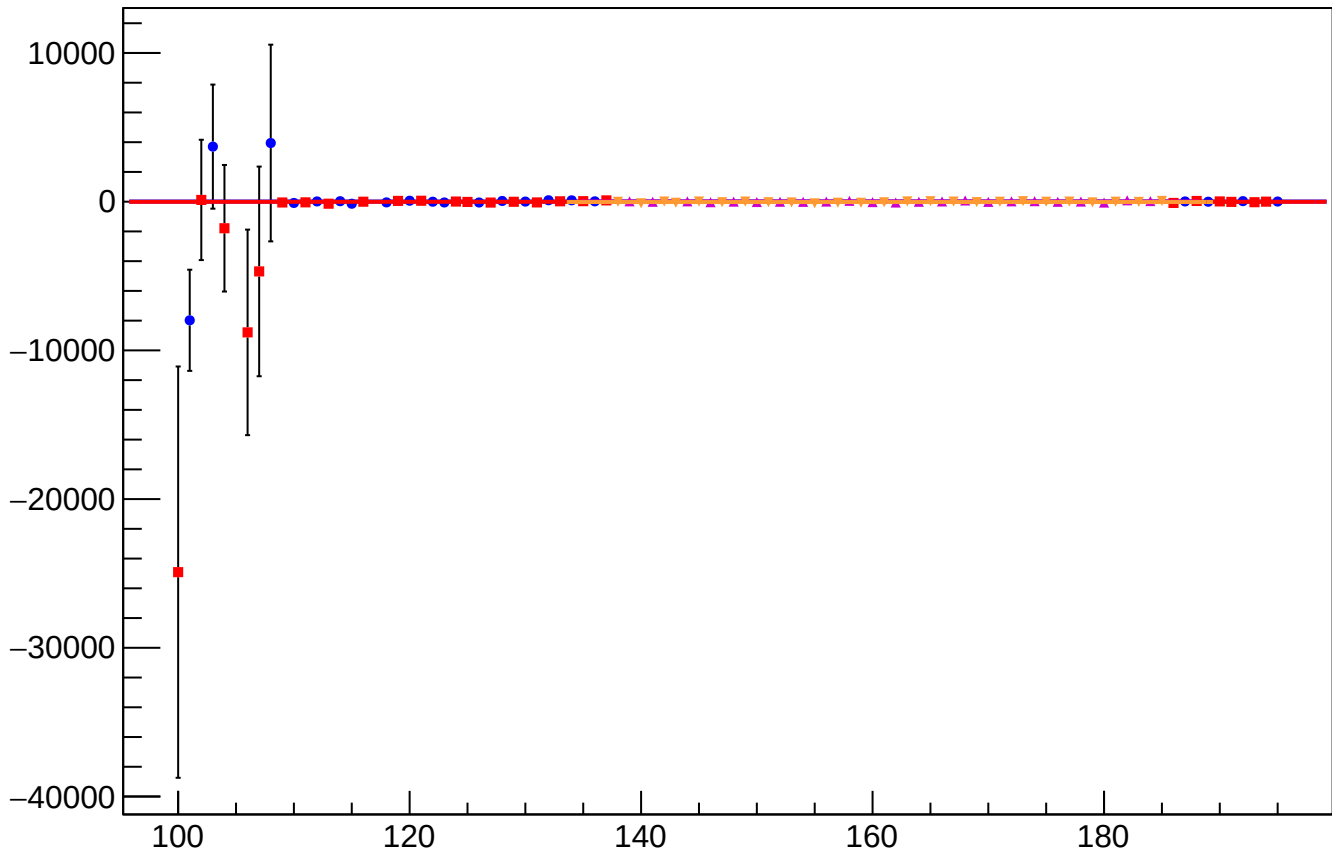
Left In: 185.878 $\pm$ 0.033 χ^2 /NDF: 1380877.6/22

+ sign 198.482 $\pm$ 0.029 χ^2 /NDF: 6101876.9/45

All: 193.184 $\pm$ 0.020 χ^2 /NDF: 12561306.4/93

- 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: 9.848 $\pm$ 12.283 χ^2 /NDF: 20.8/20

Left Out: -24.144 $\pm$ 8.076 χ^2 /NDF:24.9/24

Right Out: -7.878 $\pm$ 11.576 χ^2 /NDF: 26.0/24

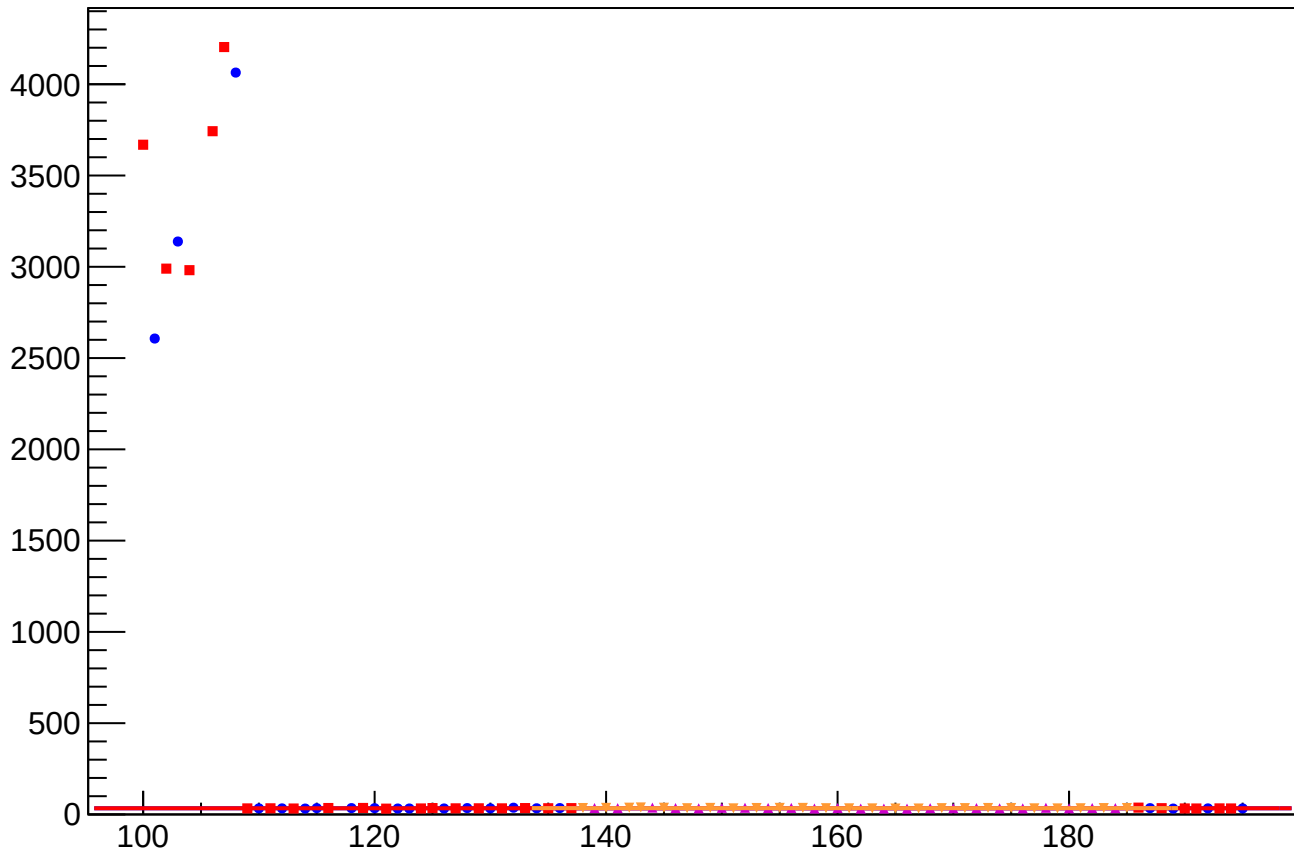
Left In: 5.924 $\pm$ 8.340 χ^2 /NDF:21.0/22

+ sign -13.883 $\pm$ 6.748 χ^2 /NDF: 51.0/45

All: -6.358 $\pm$ 4.778 χ^2 /NDF: 101.4/93

- sign 1.208 $\pm$ 6.767 χ^2 /NDF: 47.9/47

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.805 $\pm$ 0.009 χ^2 /NDF: 3011031.5/20

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

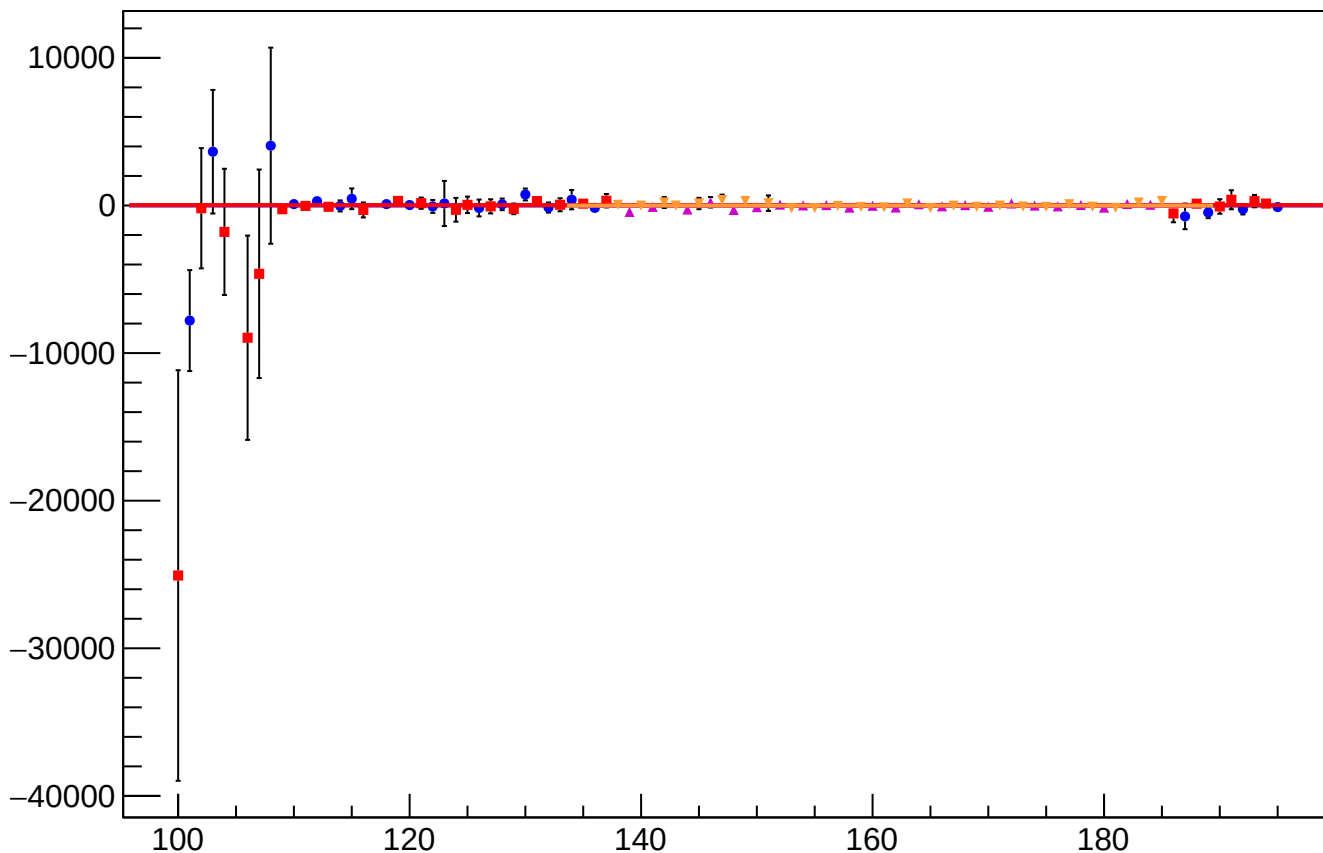
Left In: 34.682 $\pm$ 0.006 χ^2 /NDF: 59834.3/22

+ sign 34.372 $\pm$ 0.005 χ^2 /NDF: 3075014.3/45

All: 34.385 $\pm$ 0.003 χ^2 /NDF: 6603732.7/93

- 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: 2.777 ± 73.297 χ^2/NDF : 16.6/20

Left Out: -7.558 ± 48.662 χ^2/NDF : 8.8/24

Right Out: 22.404 ± 70.773 χ^2/NDF : 13.2/24

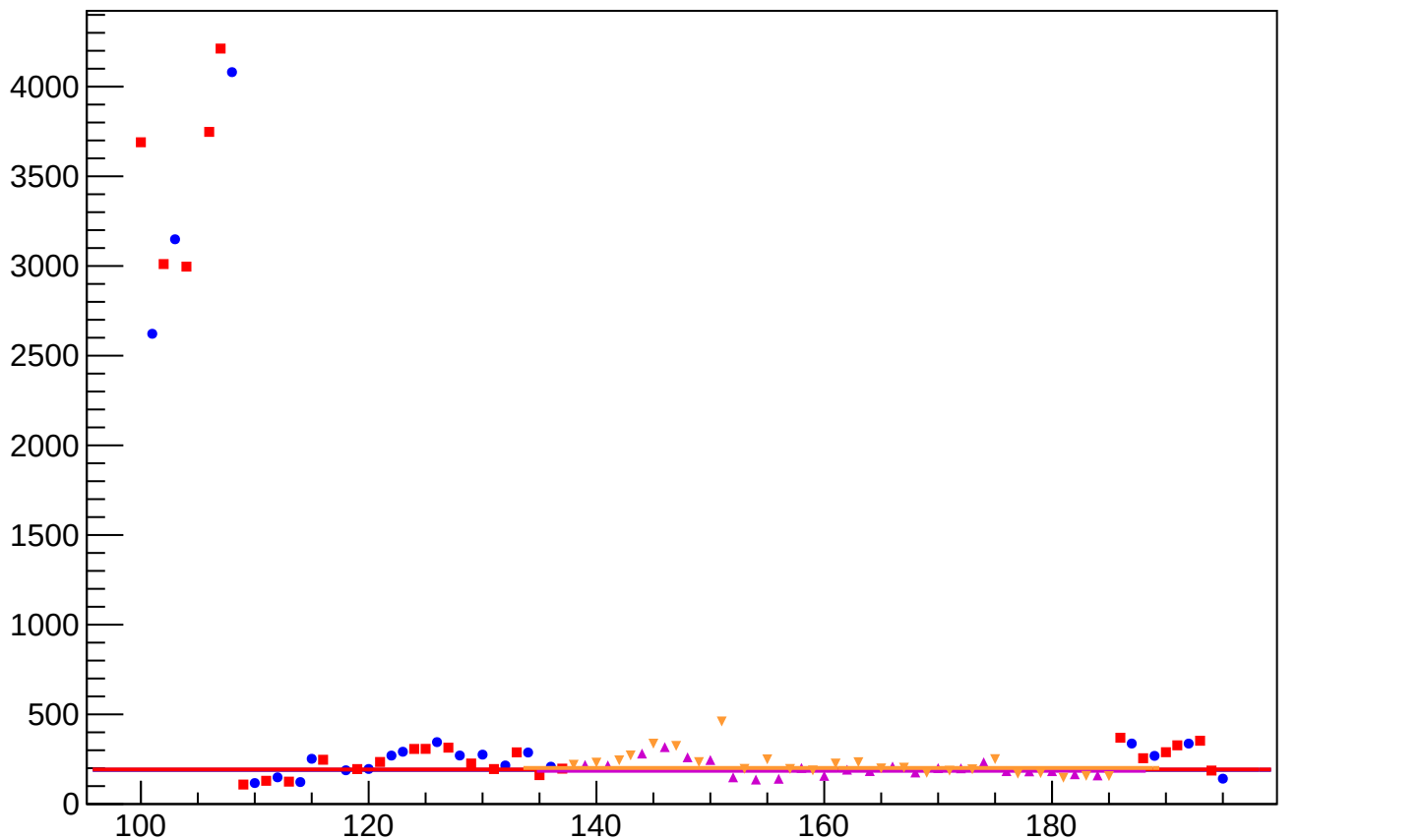
Left In: -34.977 ± 46.421 χ^2/NDF : 7.1/22

+ sign -4.396 ± 40.541 χ^2/NDF : 25.4/45

All: -11.346 ± 28.037 χ^2/NDF : 46.3/93

- sign -17.717 ± 38.816 χ^2/NDF : 20.8/47

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 190.703 $\pm$ 0.052 χ^2 /NDF: 4255891.2/20

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

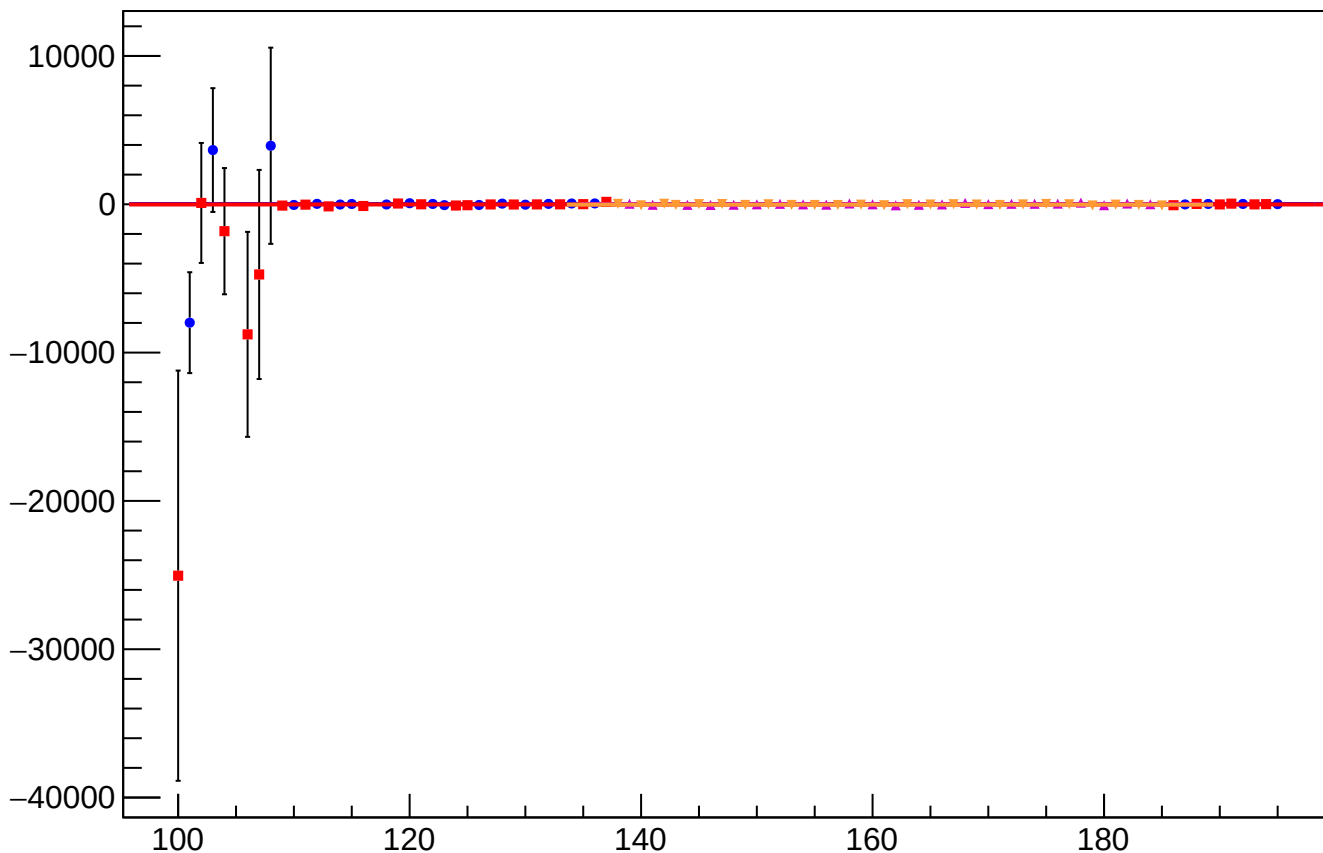
Left In: 185.627 $\pm$ 0.033 χ^2 /NDF: 1371411.2/22

+ sign 197.988 $\pm$ 0.029 χ^2 /NDF: 6132788.8/45

All: 192.640 $\pm$ 0.020 χ^2 /NDF: 12639551.5/93

- 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: 14.782+/-11.147 χ^2/NDF : 15.0/20

Left Out: -23.320+/-7.352 χ^2/NDF :18.3/24

Right Out: -11.681+/-10.508 χ^2/NDF : 31.4/24

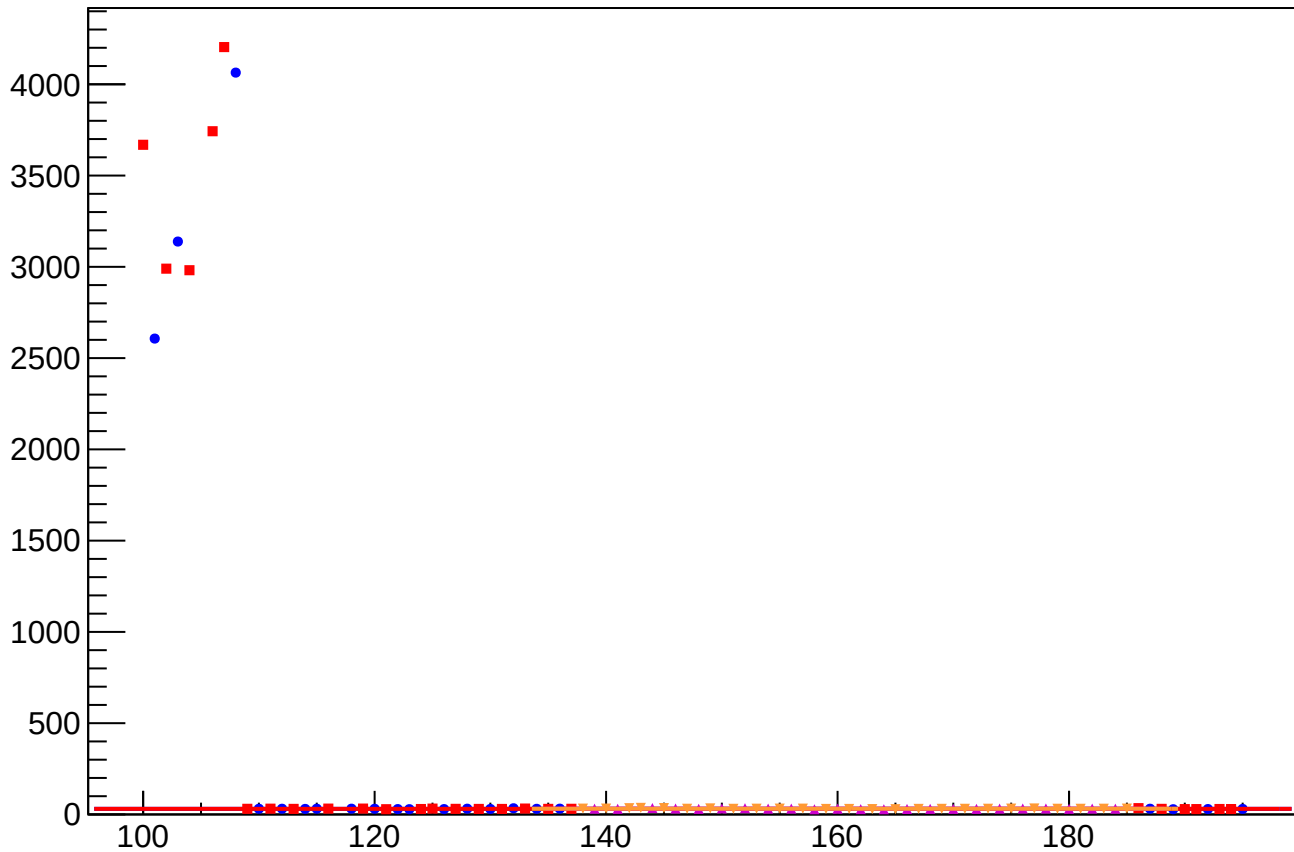
Left In: 6.386+/-7.577 χ^2/NDF :38.7/22

+ sign -11.771+/-6.137 χ^2/NDF : 41.5/45

All: -5.791+/-4.343 χ^2/NDF : 115.4/93

- sign 0.206+/-6.146 χ^2/NDF : 72.1/47

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.672 $\pm$ 0.008 χ^2 /NDF: 3024323.0/20

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

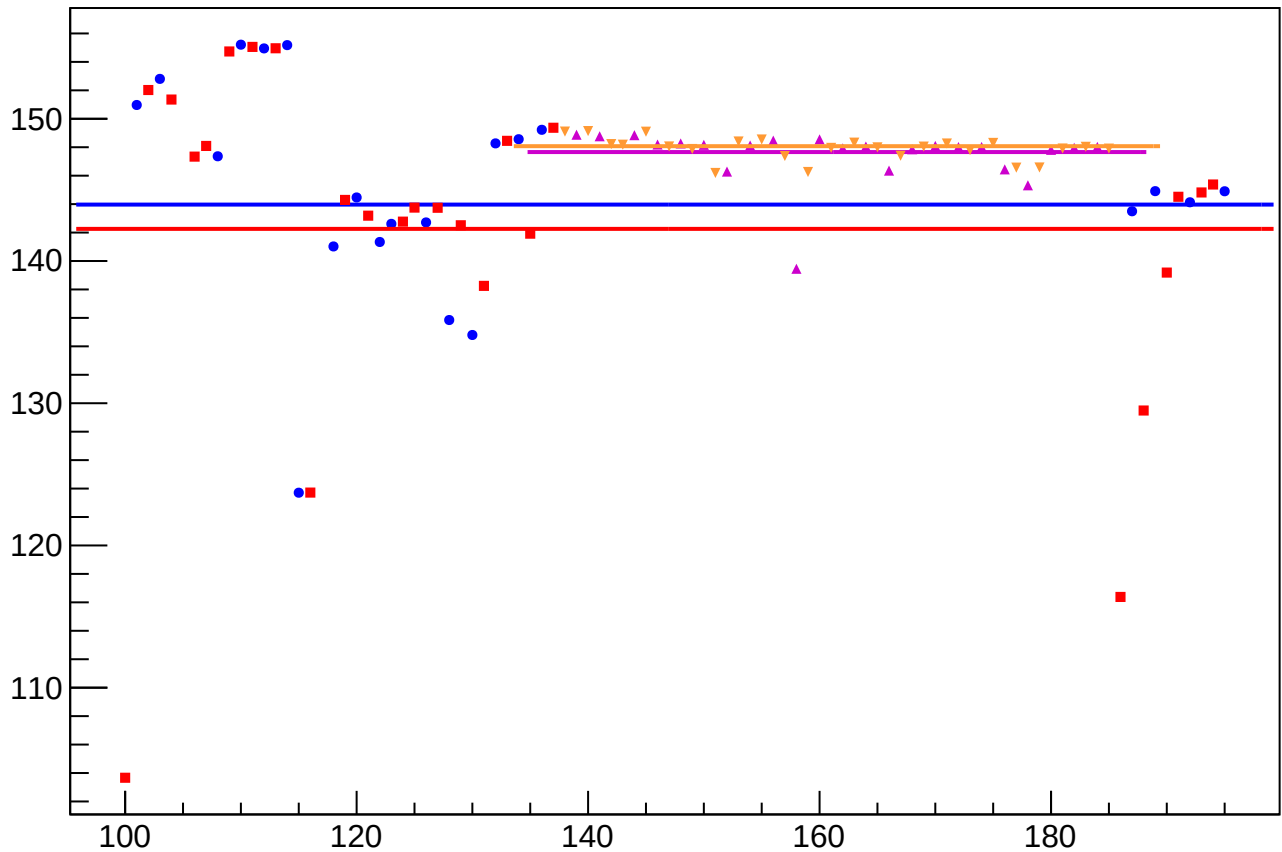
Left In: 31.475 $\pm$ 0.005 χ^2 /NDF: 87797.5/22

+ sign 31.241 $\pm$ 0.004 χ^2 /NDF: 3113737.1/45

All: 31.225 $\pm$ 0.003 χ^2 /NDF: 6684333.6/93

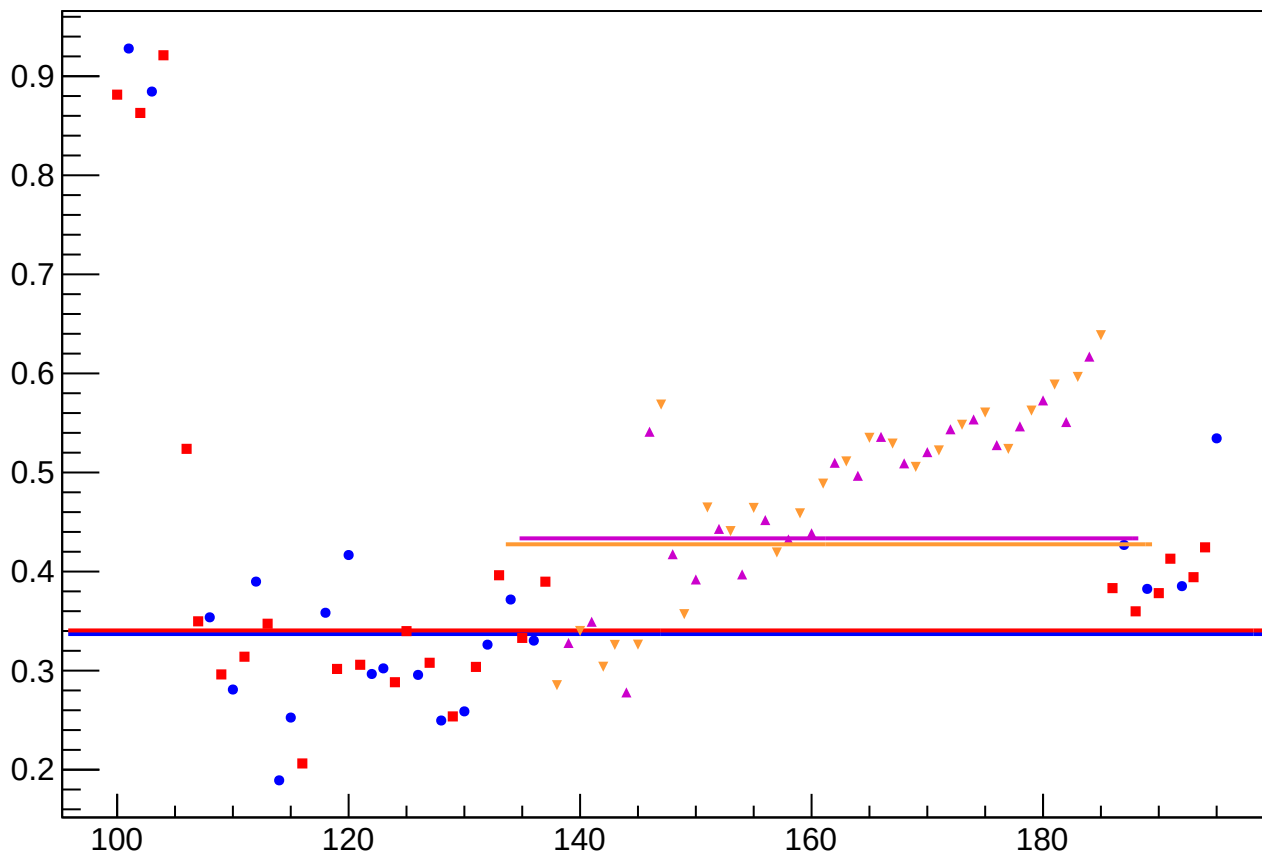
- sign 31.210 $\pm$ 0.004 χ^2 /NDF: 3570570.3/47

yield_bcm_an_ds_mean vs Slug



Right In: 143.967 $\pm$ 0.000	χ^2 /NDF: 3454634255.2/20	+ sign 146.335 $\pm$ 0.000	χ^2 /NDF: 4181531482.0/45
Left Out: 148.074 $\pm$ 0.000	χ^2 /NDF: 65673678.9/24	All: 145.702 $\pm$ 0.000	χ^2 /NDF: 13155290811.0/47
Right Out: 142.259 $\pm$ 0.000	χ^2 /NDF: 7307194215.2/24	- sign 145.083 $\pm$ 0.000	χ^2 /NDF: 8846400341.2/47
Left In: 147.660 $\pm$ 0.000	χ^2 /NDF: 343892338.9/22		

yield_bcm_an_ds_rms vs Slug



Right In: 0.337 $\pm$ 0.000 χ^2 /NDF: 1596745.0/20

Left Out: 0.428 $\pm$ 0.000 χ^2 /NDF:1892802.8/24

Right Out: 0.341 $\pm$ 0.000 χ^2 /NDF: 1381505.0/24

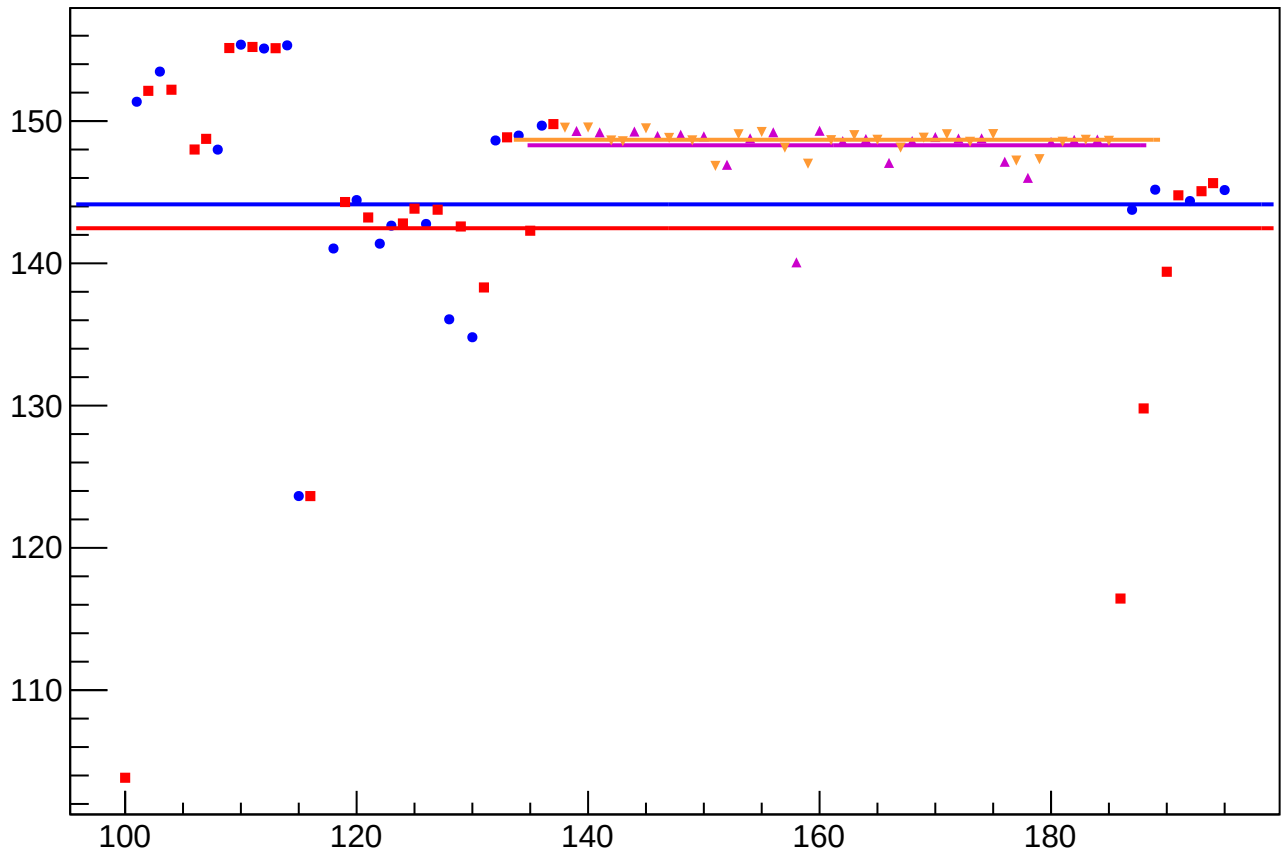
Left In: 0.434 $\pm$ 0.000 χ^2 /NDF:1479367.0/22

+ sign 0.389 $\pm$ 0.000 χ^2 /NDF: 4132926.3/45

All: 0.389 $\pm$ 0.000 χ^2 /NDF: 7701695.4/93

- sign 0.389 $\pm$ 0.000 χ^2 /NDF: 3568769.0/47

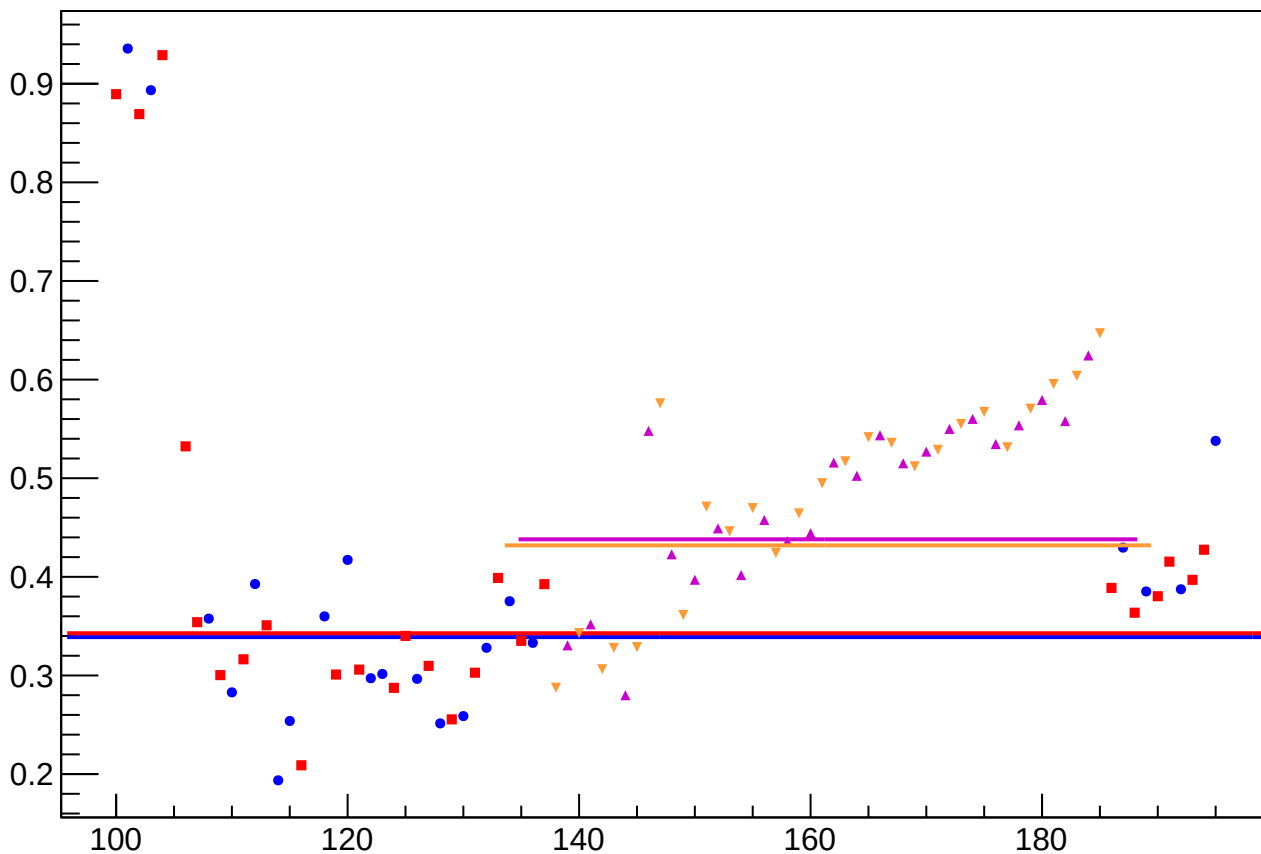
yield_bcm_an_ds3_mean vs Slug



Right In: 144.146 ± 0.000 χ^2/NDF : 3499692108.9/20
 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 146.754 ± 0.000 χ^2/NDF : 4347670551.4/45
 All: 146.122 ± 0.000 χ^2/NDF : 13425667054.
 - sign 145.504 ± 0.000 χ^2/NDF : 8953281672.3/47

yield_bcm_an_ds3_rms vs Slug



Right In: 0.339 ± 0.000 $\chi^2/\text{NDF}: 1598953.8/20$

Left Out: 0.432 ± 0.000 $\chi^2/\text{NDF}: 1924979.0/24$

Right Out: 0.343 ± 0.000 $\chi^2/\text{NDF}: 1386683.9/24$

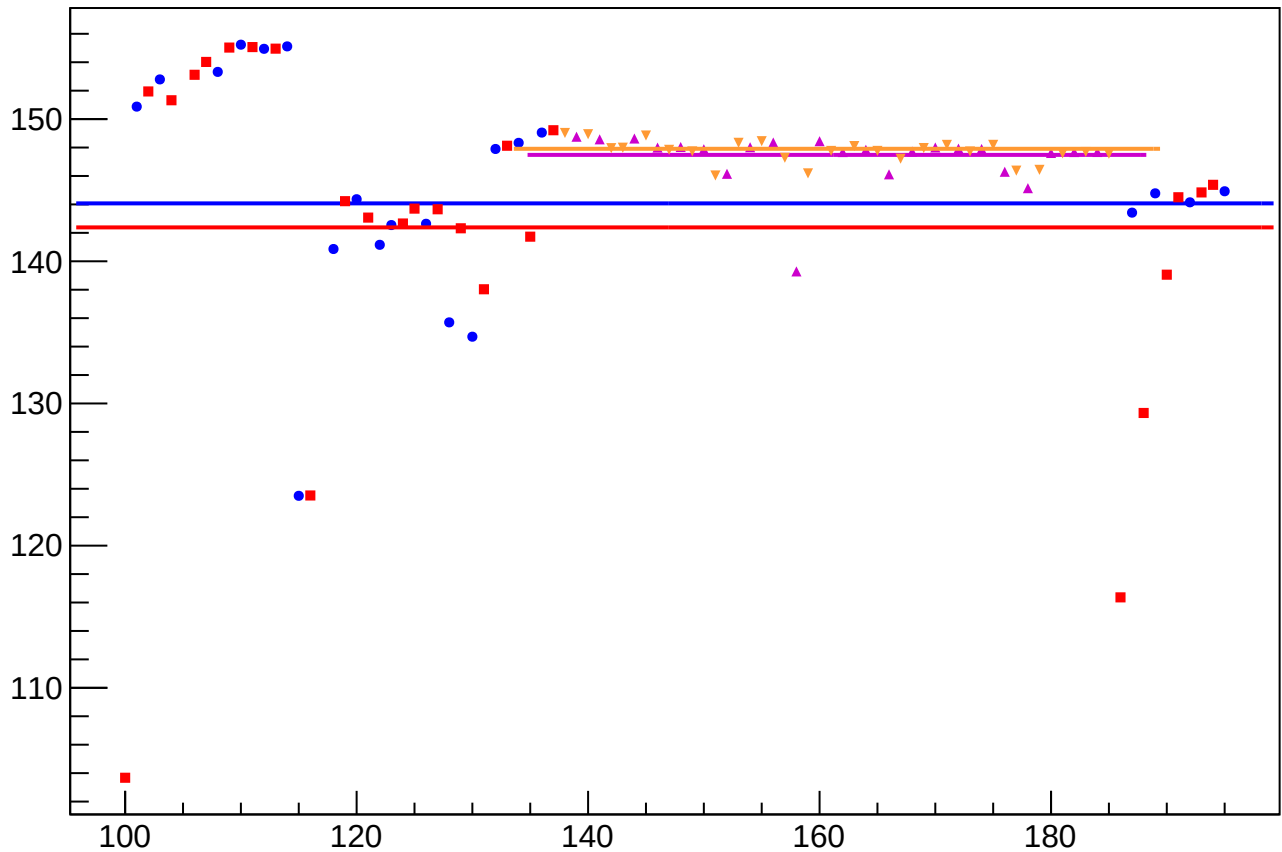
Left In: 0.438 ± 0.000 $\chi^2/\text{NDF}: 1504635.6/22$

+ sign 0.392 ± 0.000 $\chi^2/\text{NDF}: 4191759.0/45$

All: 0.392 ± 0.000 $\chi^2/\text{NDF}: 7813517.6/93$

- sign 0.392 ± 0.000 $\chi^2/\text{NDF}: 3621757.1/47$

yield_bcm_an_us_mean vs Slug



Right In: 144.073 $\pm$ 0.000 χ^2 /NDF: 3666110697.4/20

Left Out: 147.912 $\pm$ 0.000 χ^2 /NDF: 64463426.1/24

Right Out: 142.383 $\pm$ 0.000 χ^2 /NDF: 7696257312.9/24

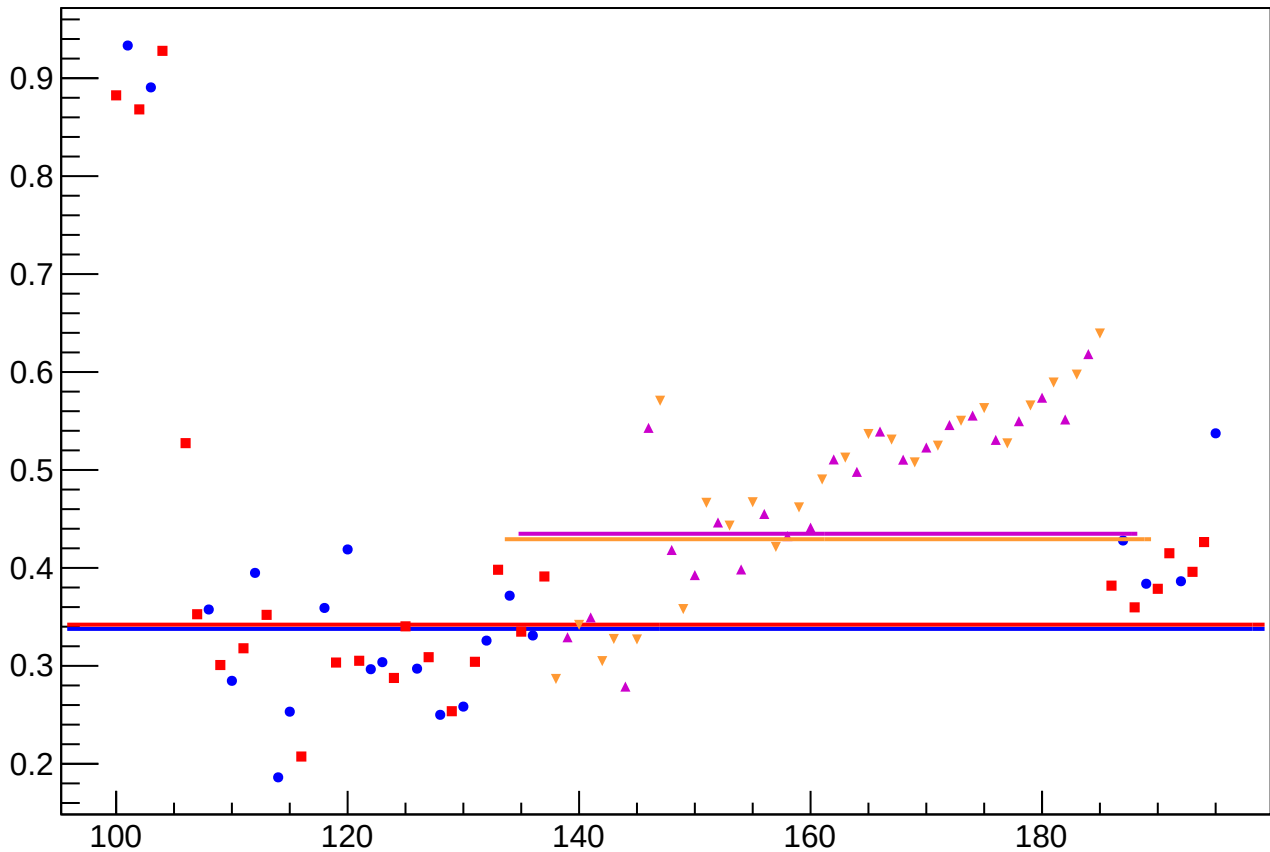
Left In: 147.483 $\pm$ 0.000 χ^2 /NDF: 342674720.4/22

+ sign 146.285 $\pm$ 0.000 χ^2 /NDF: 4304366259.3/45

All: 145.662 $\pm$ 0.000 χ^2 /NDF: 13523378946.

- sign 145.052 $\pm$ 0.000 χ^2 /NDF: 9096620406.9/47

yield_bcm_an_us_rms vs Slug



Right In: 0.338 $\pm$ 0.000 χ^2 /NDF: 1614618.4/20

Left Out: 0.429 $\pm$ 0.000 χ^2 /NDF:1891709.3/24

Right Out: 0.342 $\pm$ 0.000 χ^2 /NDF: 1382876.4/24

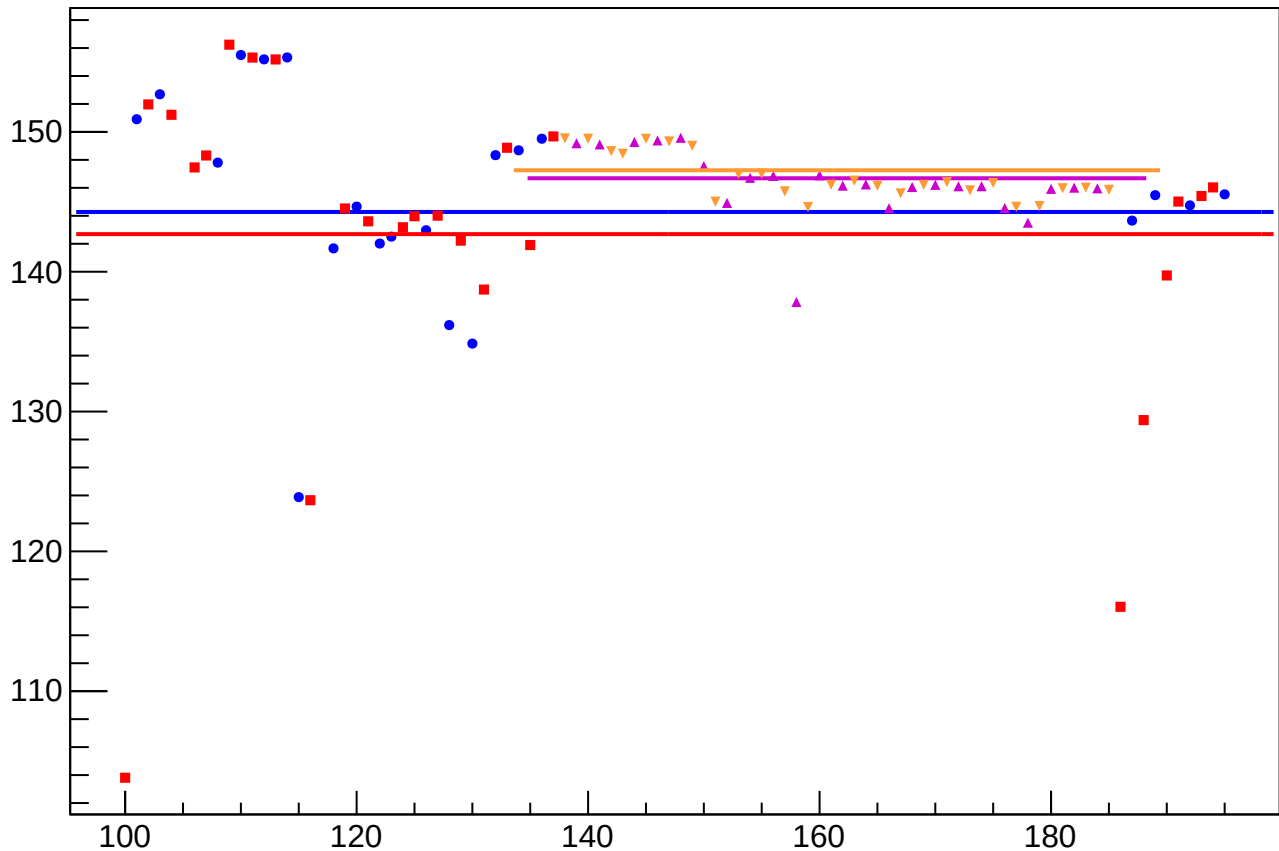
Left In: 0.435 $\pm$ 0.000 χ^2 /NDF:1485915.1/22

+ sign 0.390 $\pm$ 0.000 χ^2 /NDF: 4159044.7/45

All: 0.391 $\pm$ 0.000 χ^2 /NDF: 7728164.2/93

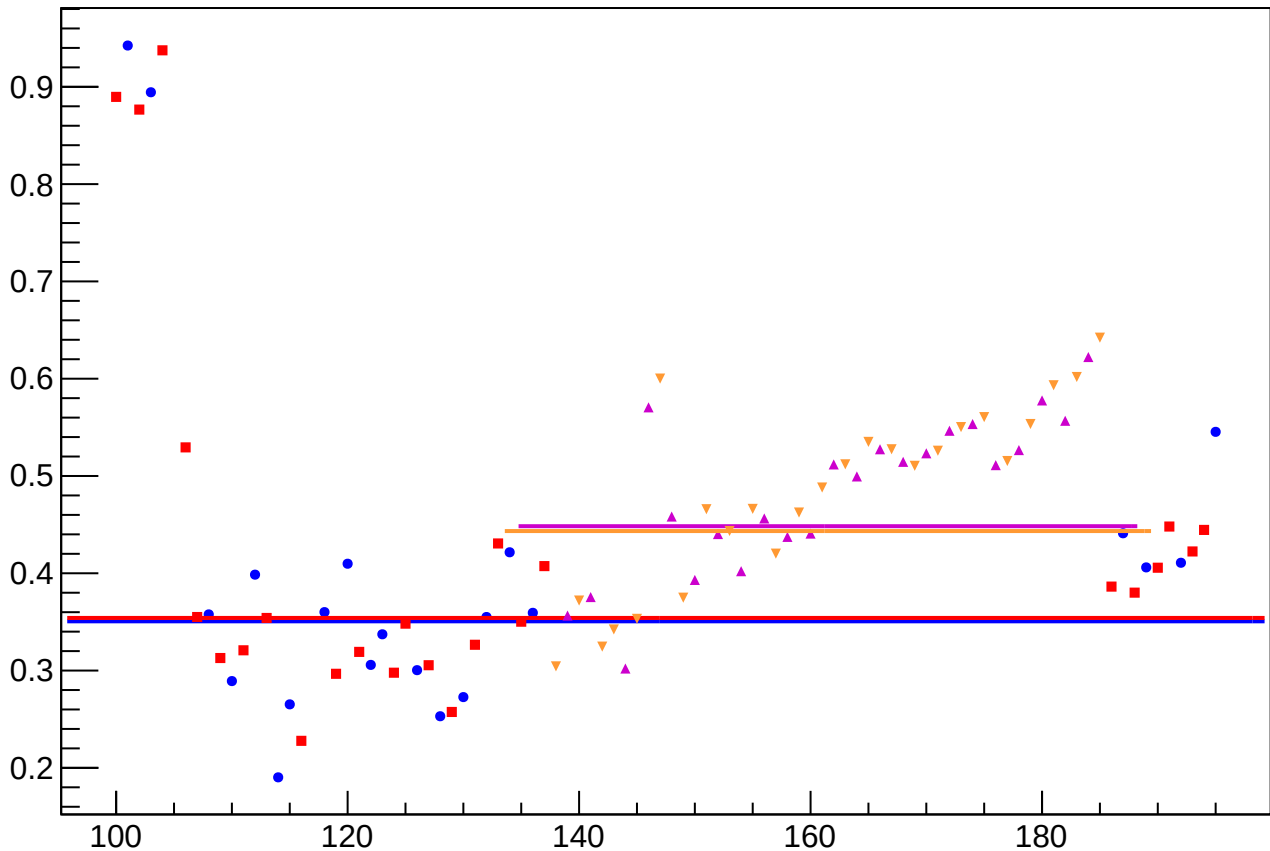
- sign 0.391 $\pm$ 0.000 χ^2 /NDF: 3569115.9/47

yield_bcm_dg_us_mean vs Slug



Right In: 144.275+/-0.000	χ^2/NDF : 3171531910.4/20	+ sign 146.010+/-0.000	χ^2/NDF : 3756735515.1/45
Left Out: 147.257+/-0.000	χ^2/NDF : 261906278.3/24	All: 145.399+/-0.000	χ^2/NDF : 12038385917.1
Right Out: 142.690+/-0.000	χ^2/NDF : 7006952245.2/24	- sign 144.803+/-0.000	χ^2/NDF : 8171369433.1/47
Left In: 146.685+/-0.000	χ^2/NDF : 554922388.0/22		

yield_bcm_dg_us_rms vs Slug



Right In: 0.351 ± 0.000 $\chi^2/\text{NDF}: 1594769.2/20$

Left Out: 0.443 ± 0.000 $\chi^2/\text{NDF}: 1480479.3/24$

Right Out: 0.354 ± 0.000 $\chi^2/\text{NDF}: 1375321.6/24$

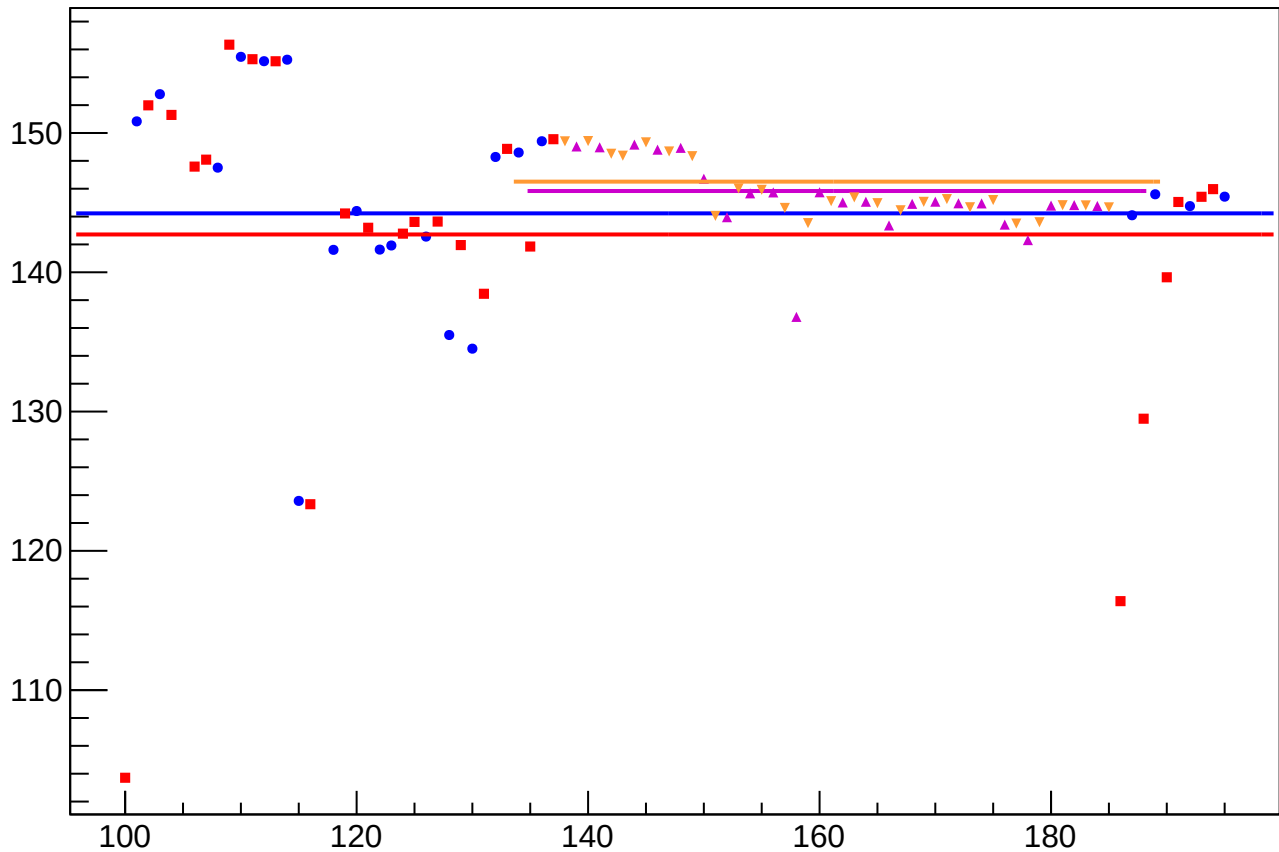
Left In: 0.448 ± 0.000 $\chi^2/\text{NDF}: 1120261.8/22$

+ sign 0.405 ± 0.000 $\chi^2/\text{NDF}: 3701095.1/45$

All: 0.404 ± 0.000 $\chi^2/\text{NDF}: 6875781.9/93$

- sign 0.404 ± 0.000 $\chi^2/\text{NDF}: 3174629.3/47$

yield_bcm_dg_ds_mean vs Slug



Right In: 144.230 $\pm$ 0.000 χ^2 /NDF: 3291213645.0/20

Left Out: 146.508 $\pm$ 0.000 χ^2 /NDF: 401248837.9/24

Right Out: 142.715 $\pm$ 0.000 χ^2 /NDF: 6981920956.9/24

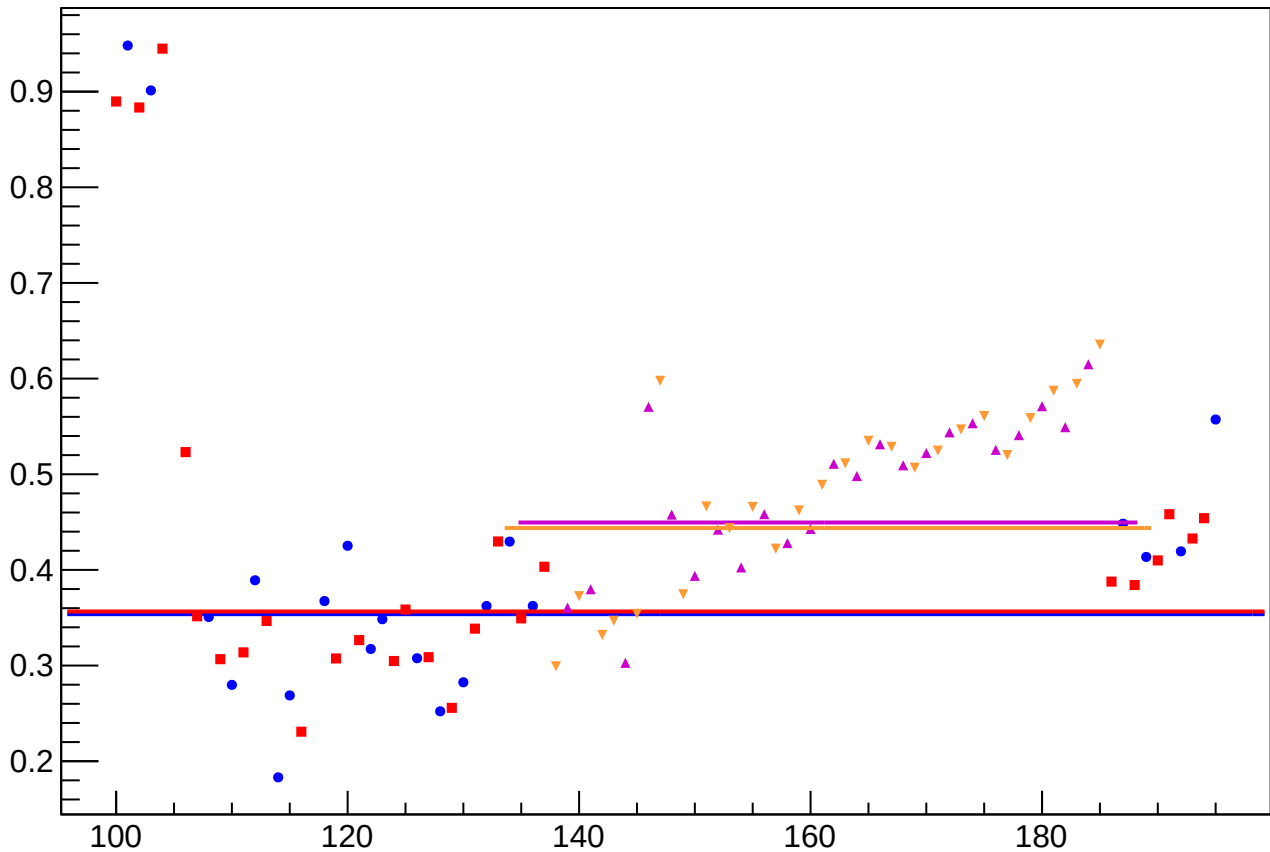
Left In: 145.834 $\pm$ 0.000 χ^2 /NDF: 690172810.0/22

+ sign 145.567 $\pm$ 0.000 χ^2 /NDF: 3878536116.8/45

All: 144.963 $\pm$ 0.000 χ^2 /NDF: 12024377640.

- sign 144.374 $\pm$ 0.000 χ^2 /NDF: 8039391743.4/47

yield_bcm_dg_ds_rms vs Slug



Right In: 0.354 ± 0.000 $\chi^2/\text{NDF}: 1631753.3/20$

Left Out: 0.444 ± 0.000 $\chi^2/\text{NDF}: 1460383.7/24$

Right Out: 0.357 ± 0.000 $\chi^2/\text{NDF}: 1385956.4/24$

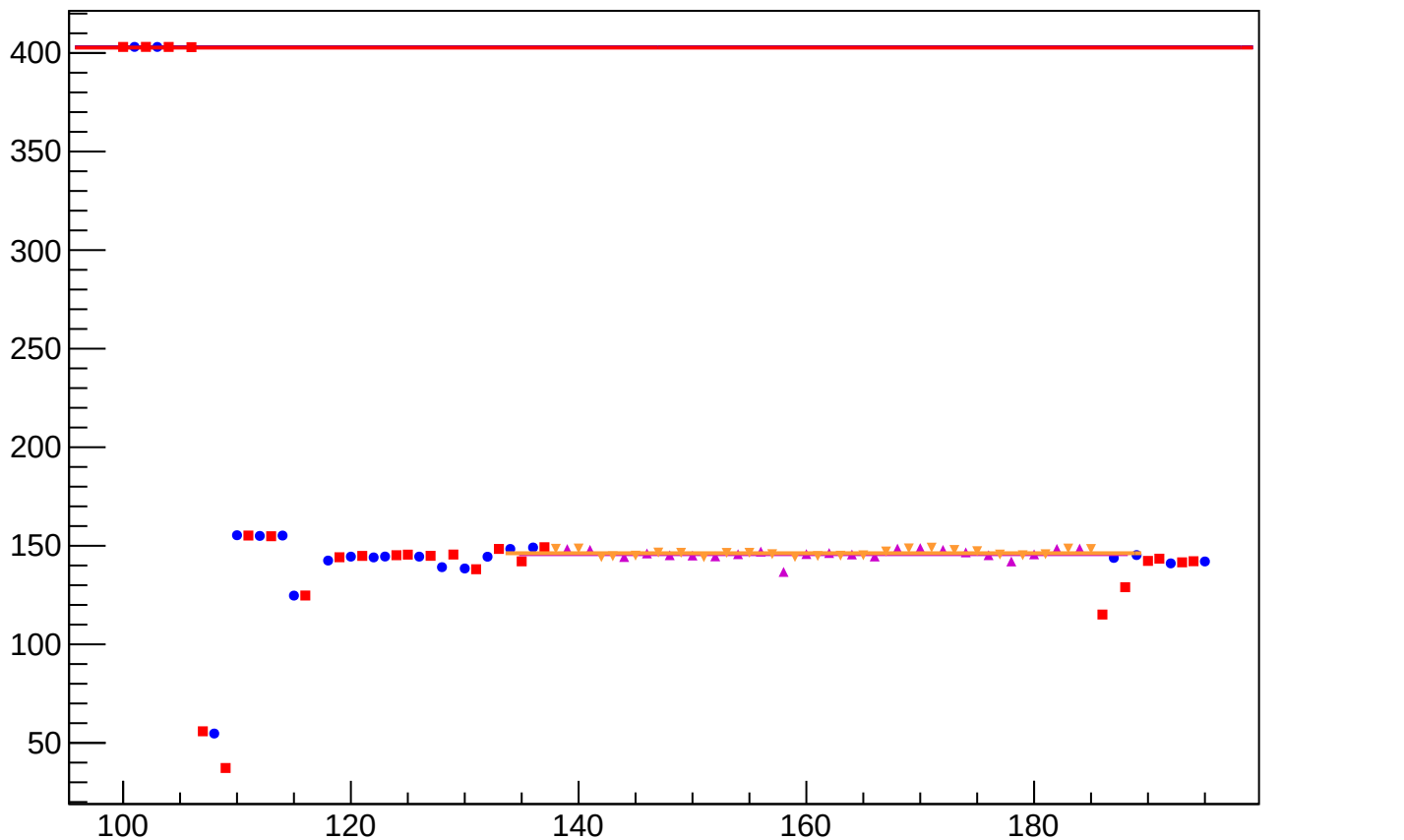
Left In: 0.450 ± 0.000 $\chi^2/\text{NDF}: 1092776.5/22$

+ sign 0.407 ± 0.000 $\chi^2/\text{NDF}: 3673725.0/45$

All: 0.406 ± 0.000 $\chi^2/\text{NDF}: 6805763.0/93$

- sign 0.406 ± 0.000 $\chi^2/\text{NDF}: 3131986.0/47$

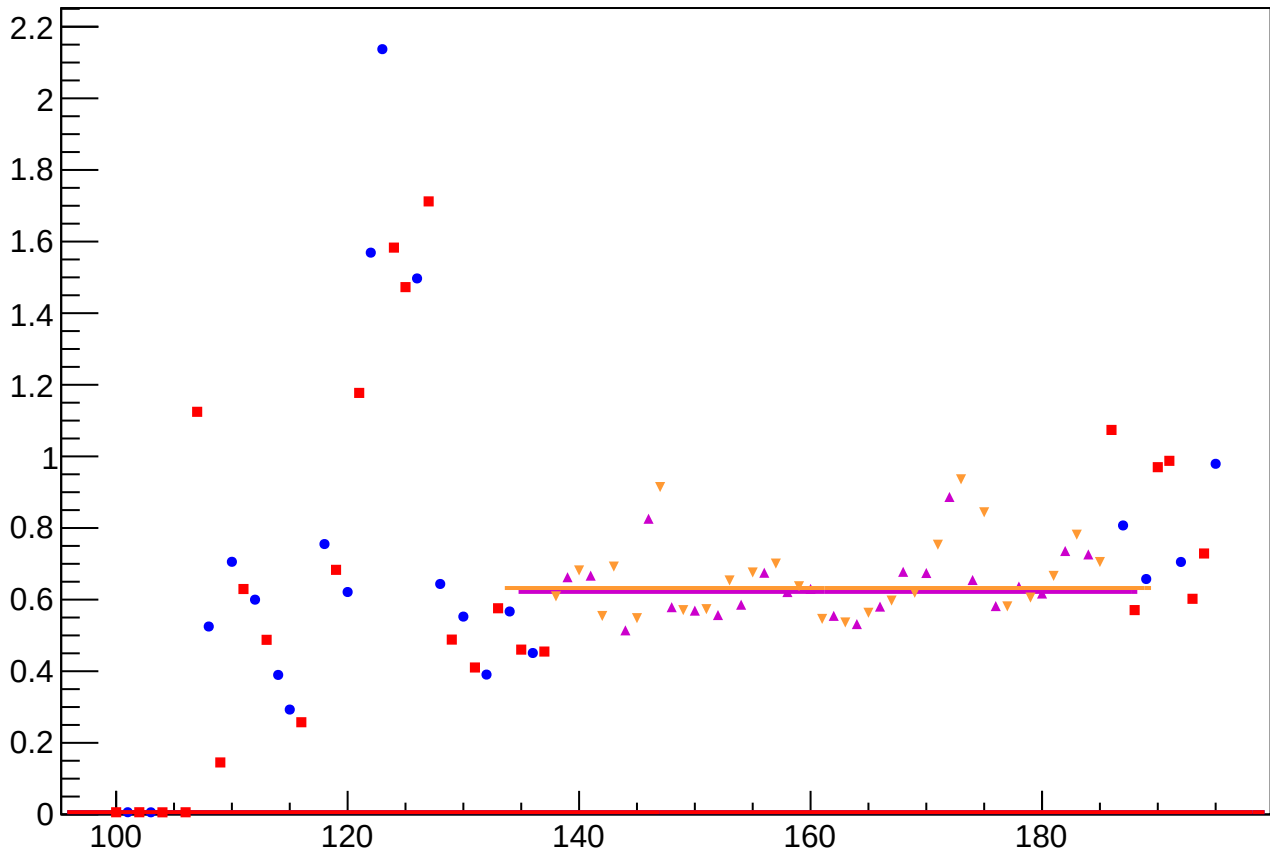
yield_cav4bQ_mean vs Slug



Right In: 402.931 $\pm$ 0.000 χ^2 /NDF: 1308037223905.6/20
 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 402.636 $\pm$ 0.000 χ^2 /NDF: 3668852360756.6
 All: 402.562 $\pm$ 0.000 χ^2 /NDF: 953577395820
 - 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: 12768100.1/20

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

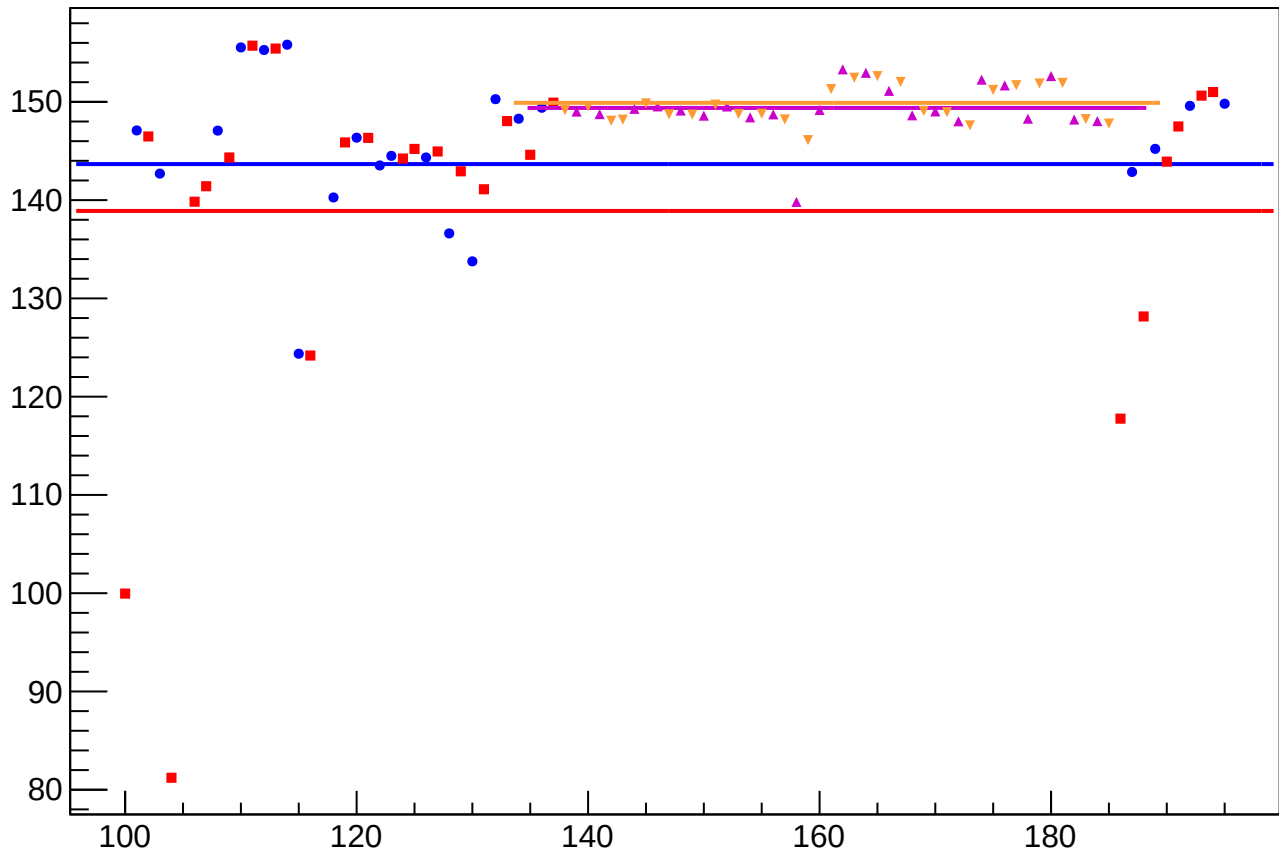
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:399965.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 41456297.6/45

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 83238053.5/93

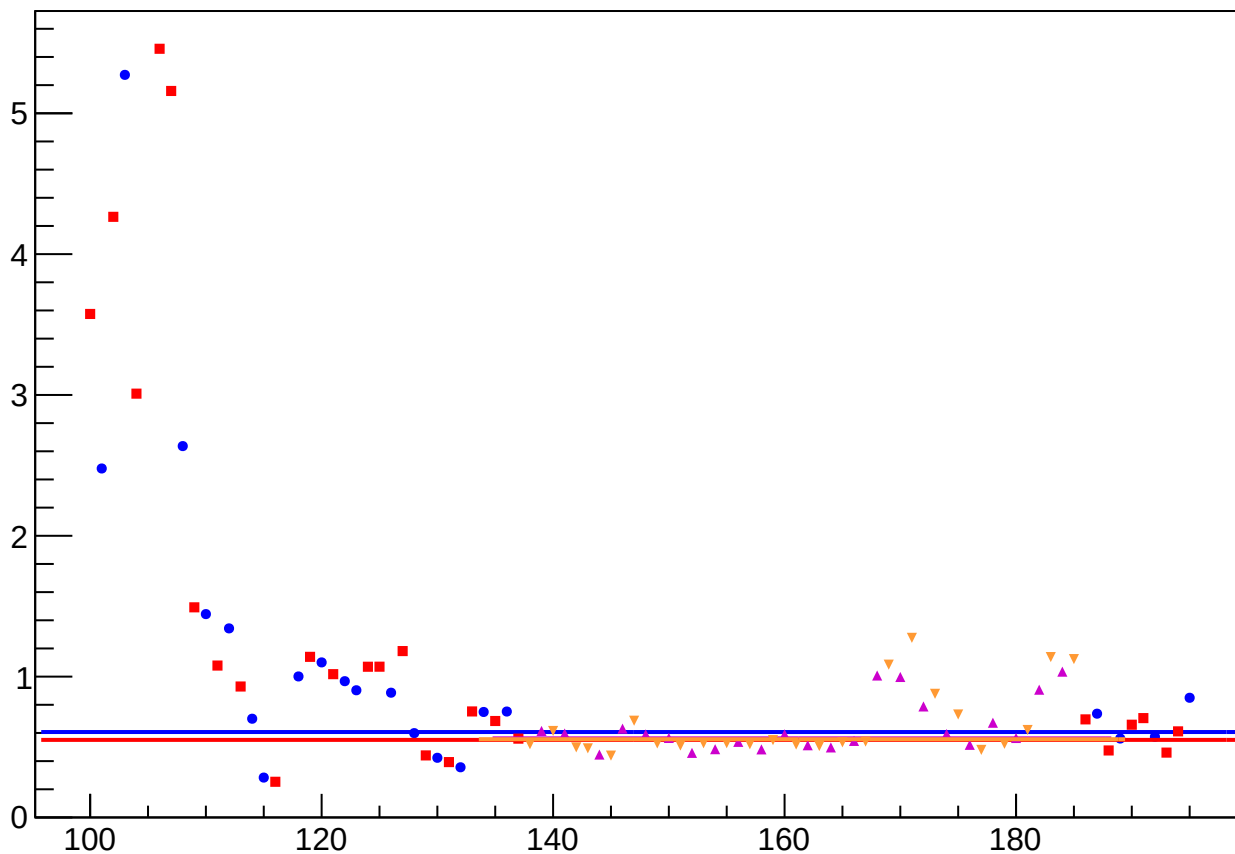
- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 41781554.9/47

yield_cav4cQ_mean vs Slug



Right In: 143.668 $\pm$ 0.000	χ^2 /NDF: 1135418212.4/20	+ sign 148.504 $\pm$ 0.000	χ^2 /NDF: 1739735638.2/45
Left Out: 149.900 $\pm$ 0.000	χ^2 /NDF: 162845622.6/24	All: 147.358 $\pm$ 0.000	χ^2 /NDF: 6616356477.3
Right Out: 138.899 $\pm$ 0.000	χ^2 /NDF: 2719416976.3/24	- sign 146.247 $\pm$ 0.000	χ^2 /NDF: 4707534976.6/47
Left In: 149.382 $\pm$ 0.000	χ^2 /NDF: 434657827.5/22		

yield_cav4cQ_rms vs Slug



Right In: 0.607 ± 0.000 χ^2/NDF : 3661018.0/20

Left Out: 0.555 ± 0.000 χ^2/NDF : 1773688.1/24

Right Out: 0.551 ± 0.000 χ^2/NDF : 4809928.0/24

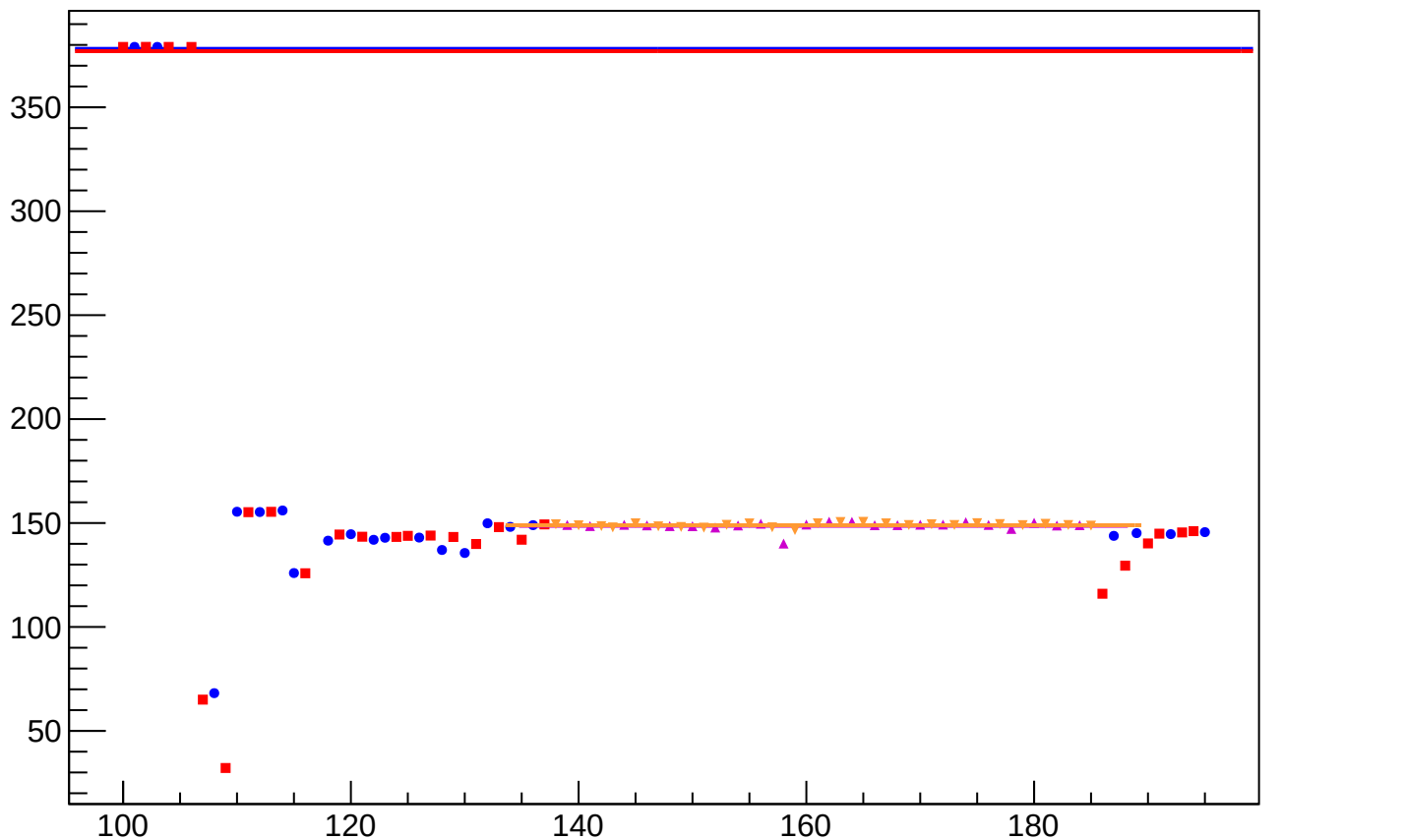
Left In: 0.562 ± 0.000 χ^2/NDF : 1305573.4/22

+ sign 0.567 ± 0.000 χ^2/NDF : 5494064.0/45

All: 0.563 ± 0.000 χ^2/NDF : 11617736.2/93

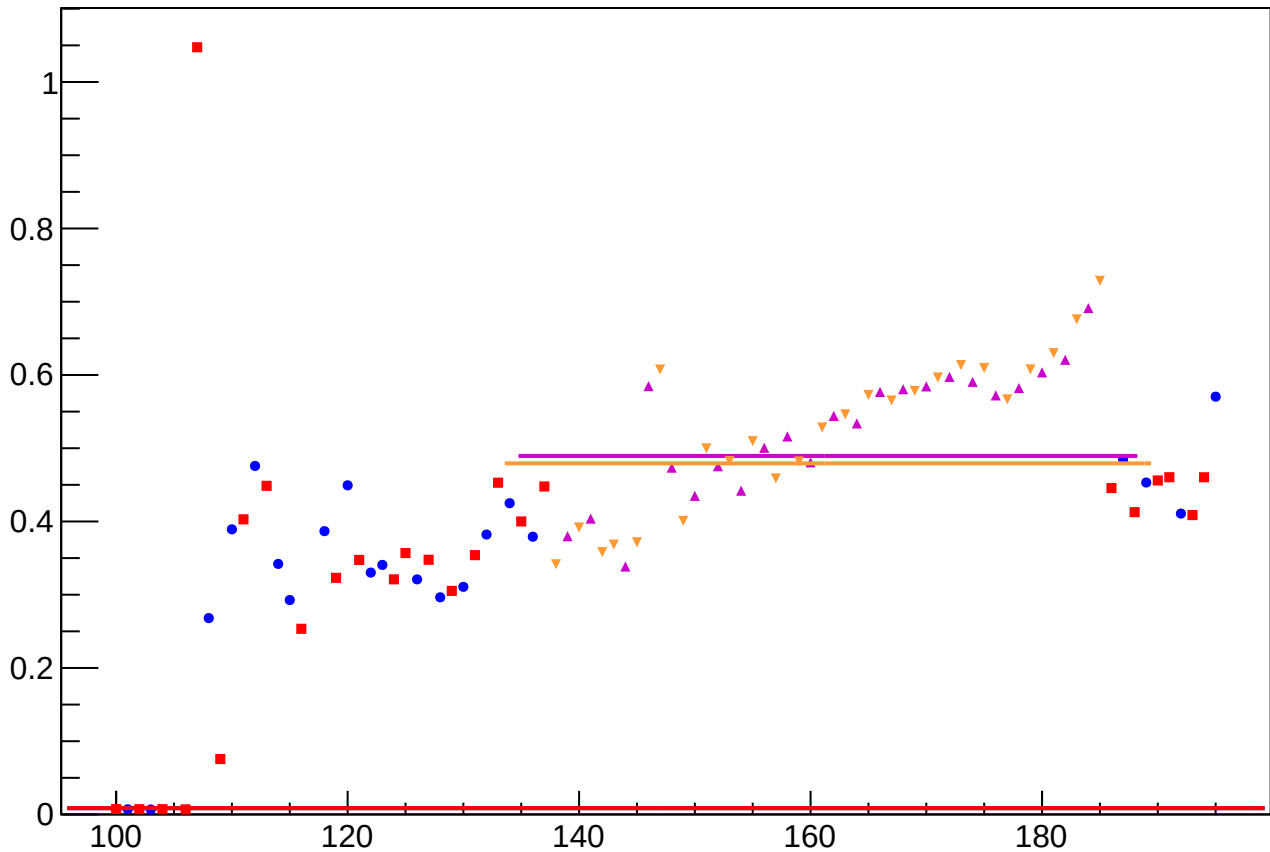
- sign 0.558 ± 0.000 χ^2/NDF : 6118926.7/47

yield_cav4dQ_mean vs Slug



Right In: 378.102 $\pm$ 0.000	χ^2 /NDF: 3067551084367.6/20	+ sign 376.825 $\pm$ 0.000	χ^2 /NDF: 6968629852429.7
Left Out: 148.944 $\pm$ 0.000	χ^2 /NDF: 63976941.3/24	All: 376.379 $\pm$ 0.000	χ^2 /NDF: 198168434119
Right Out: 377.011 $\pm$ 0.000	χ^2 /NDF: 9292846968660.0/24	- sign 375.988 $\pm$ 0.000	χ^2 /NDF: 12843219453599.6
Left In: 148.672 $\pm$ 0.000	χ^2 /NDF: 252846428.3/22		

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 14291398.4/20

Left Out: 0.479+/-0.000 χ^2/NDF :1516566.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 15870489.0/24

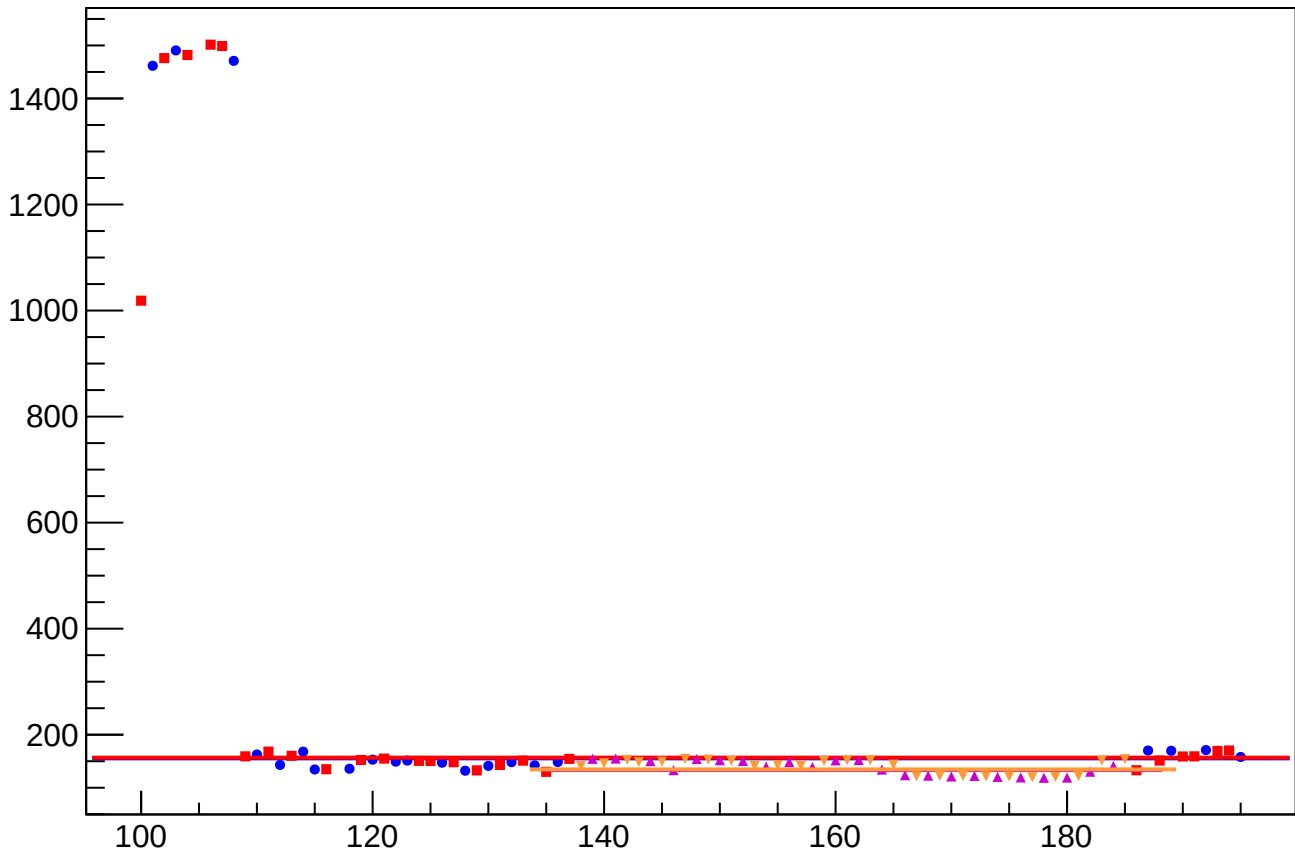
Left In: 0.489+/-0.000 χ^2/NDF :1076134.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 48742594.4/45

All: 0.011+/-0.000 χ^2/NDF : 97174978.5/93

- sign 0.011+/-0.000 χ^2/NDF : 48430971.8/47

yield_bcm0l02_mean vs Slug



Right In: 155.433+/-0.000 χ^2/NDF : 25406982137.0/20

Left Out: 134.554+/-0.000 χ^2/NDF : 4376966869.3/24

Right Out: 156.726+/-0.000 χ^2/NDF : 34617255789.5/24

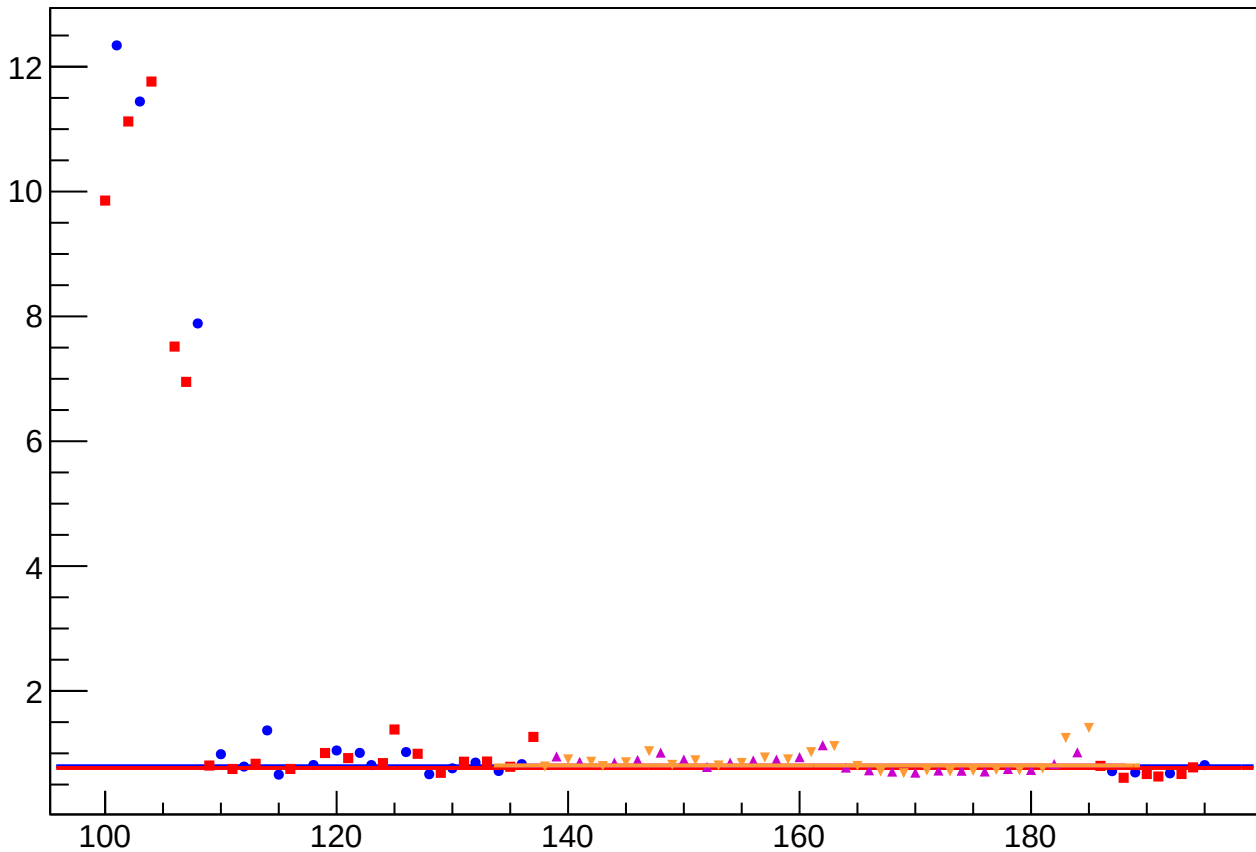
Left In: 133.337+/-0.000 χ^2/NDF : 4303812119.2/22

+ sign 140.428+/-0.000 χ^2/NDF : 32692397253.9/45

All: 140.891+/-0.000 χ^2/NDF : 75879578001.0

- sign 141.333+/-0.000 χ^2/NDF : 43173373614.8/47

yield_bcm0l02_rms vs Slug



Right In: 0.793 ± 0.000 χ^2/NDF : 2754068.9/20

Left Out: 0.806 ± 0.000 χ^2/NDF : 690578.5/24

Right Out: 0.766 ± 0.000 χ^2/NDF : 3121270.8/24

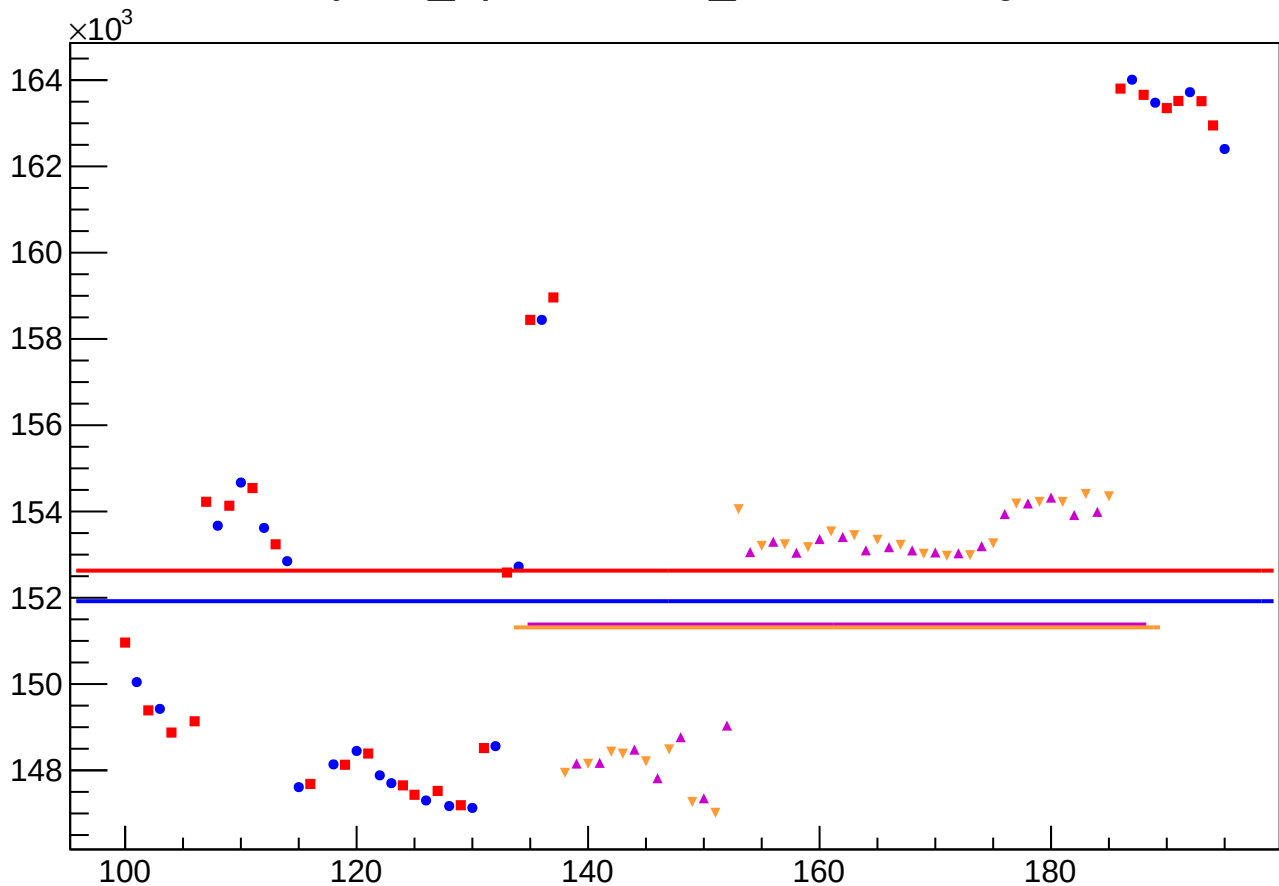
Left In: 0.805 ± 0.000 χ^2/NDF : 480510.8/22

+ sign 0.802 ± 0.000 χ^2/NDF : 3447032.3/45

All: 0.797 ± 0.000 χ^2/NDF : 7076411.6/93

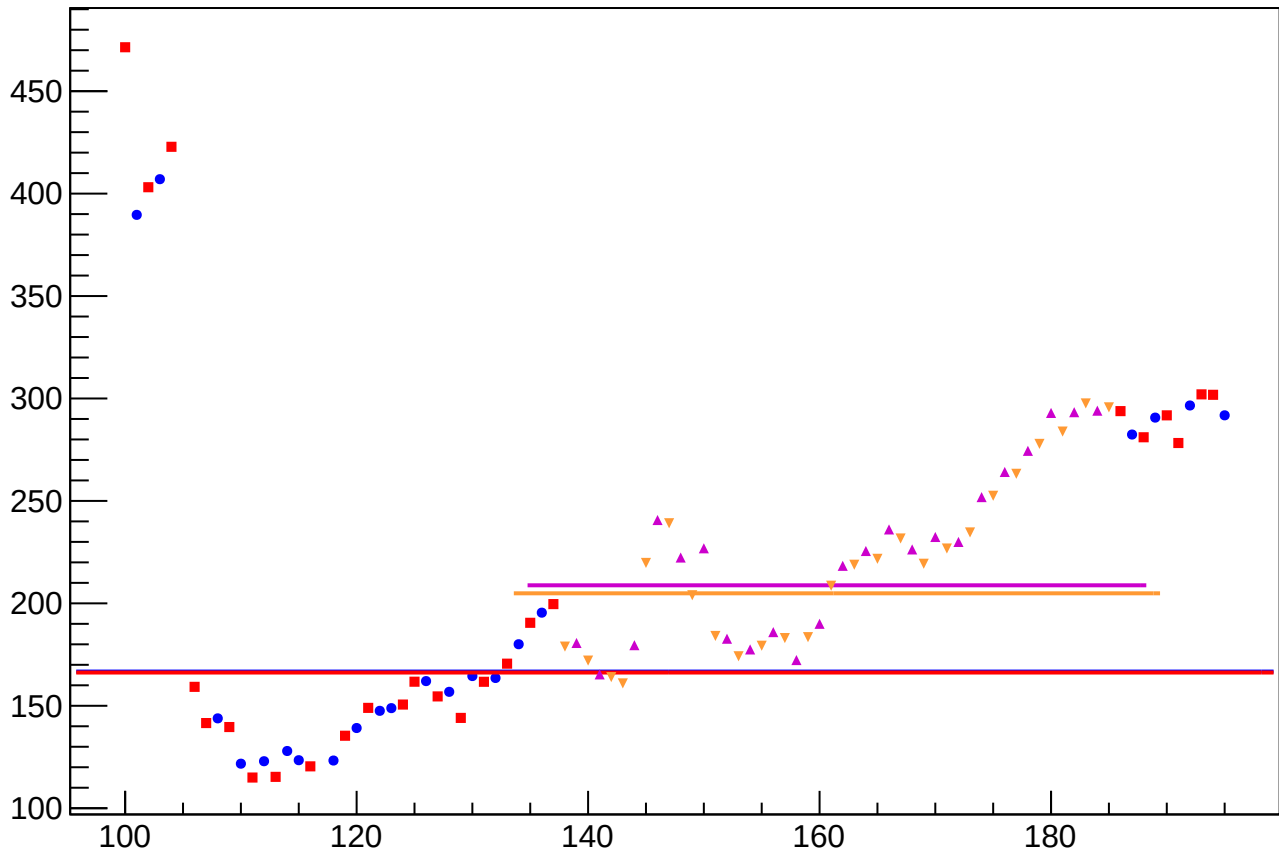
- sign 0.791 ± 0.000 χ^2/NDF : 3625368.5/47

yield_bpm0i01WS_mean vs Slug



Right In: 151920.891 $\pm$ 0.060 χ^2 /NDF: 7209390980.2/20
 Left Out: 151313.284 $\pm$ 0.049 χ^2 /NDF: 3153768134.8/24
 Right Out: 152629.206 $\pm$ 0.056 χ^2 /NDF: 8645448338.1/24
 Left In: 151380.236 $\pm$ 0.051 χ^2 /NDF: 2363895785.3/22
 + sign 151554.984 $\pm$ 0.038 χ^2 /NDF: 10425121046.
 All: 151752.875 $\pm$ 0.027 χ^2 /NDF: 217610165.
 - sign 151950.341 $\pm$ 0.038 χ^2 /NDF: 11281081166.0

yield_bpm0i01WS_rms vs Slug



Right In: 166.707 $\pm$ 0.042 χ^2 /NDF: 2123682.7/20

Left Out: 204.900 $\pm$ 0.034 χ^2 /NDF: 1056380.8/24

Right Out: 166.236 $\pm$ 0.039 χ^2 /NDF: 2649466.8/24

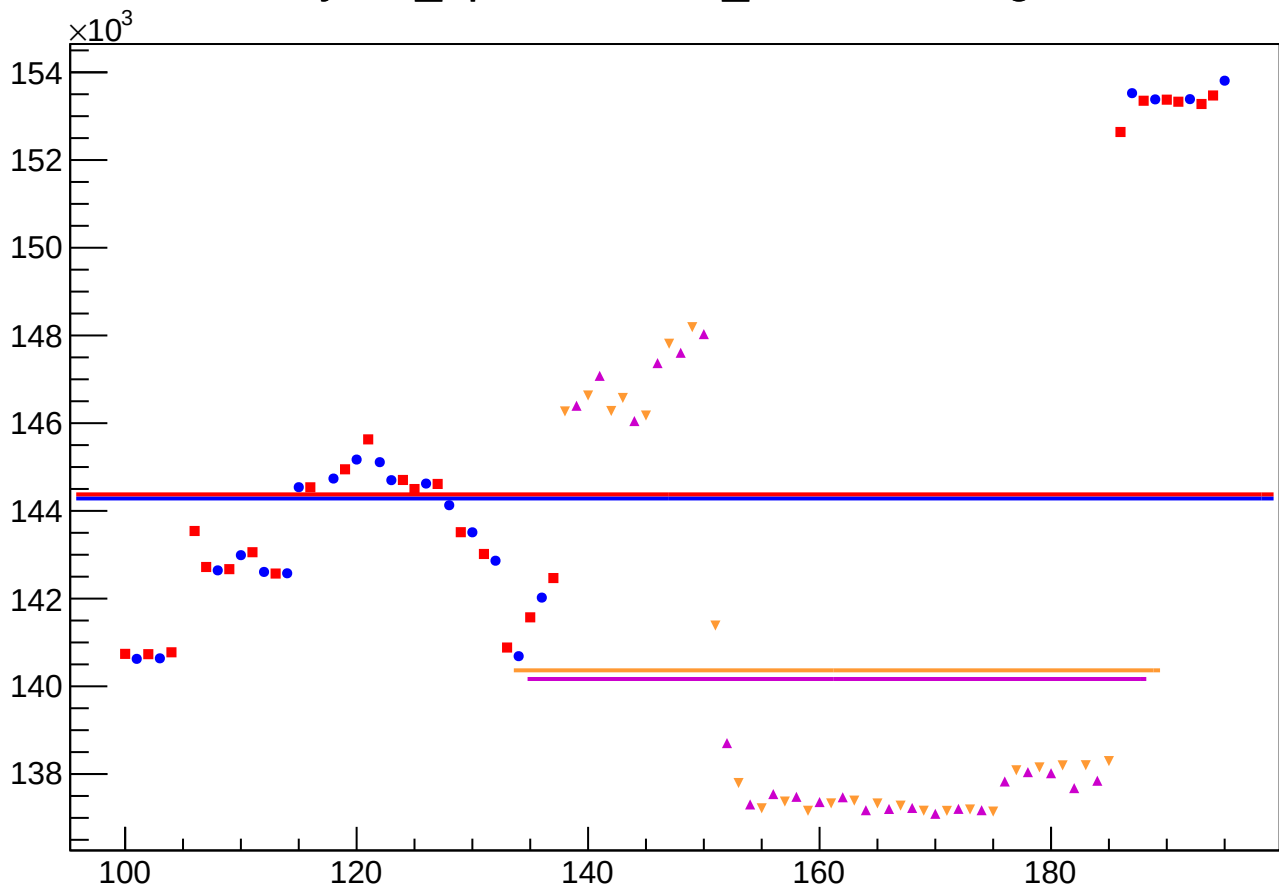
Left In: 208.813 $\pm$ 0.036 χ^2 /NDF: 1001936.6/22

+ sign 189.707 $\pm$ 0.027 χ^2 /NDF: 3669679.6/45

All: 189.542 $\pm$ 0.019 χ^2 /NDF: 7952735.1/93

- sign 189.378 $\pm$ 0.027 χ^2 /NDF: 4282979.4/47

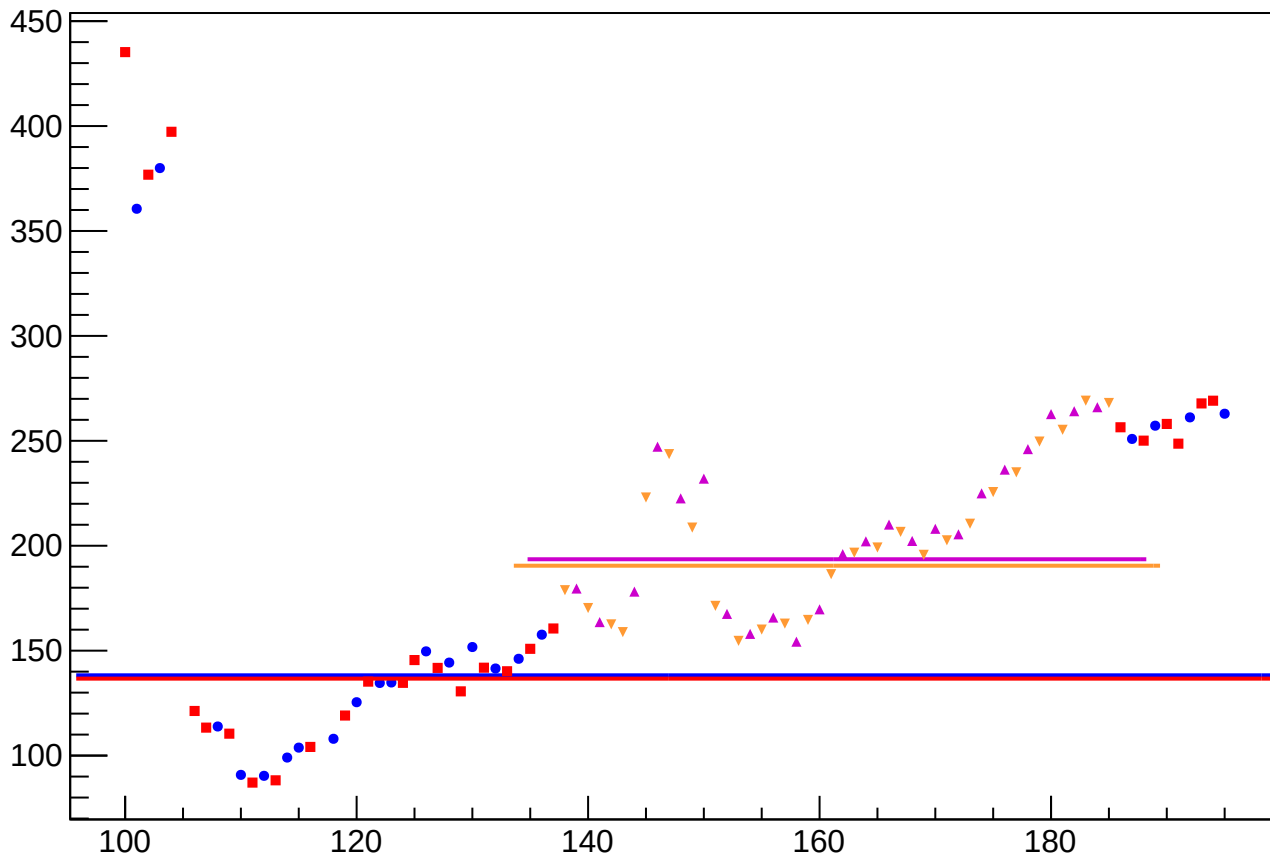
yield_bpm0i01aWS_mean vs Slug



Right In: 144283.444 ± 0.050 $\chi^2/\text{NDF}: 3792354885.3/20$
 Left Out: 140364.444 ± 0.045 $\chi^2/\text{NDF}: 8677078677.7/24$
 Right Out: 144376.489 ± 0.046 $\chi^2/\text{NDF}: 5140324673.2/24$
 Left In: 140166.971 ± 0.047 $\chi^2/\text{NDF}: 8028464654.6/22$

All: 142218.025 ± 0.024 $\chi^2/\text{NDF}: 330345273$
 + sign 142111.935 ± 0.034 $\chi^2/\text{NDF}: 15818834256$
 - sign 142320.973 ± 0.033 $\chi^2/\text{NDF}: 17196118402.4$

yield_bpm0i01aWS_rms vs Slug



Right In: 138.255 $\pm$ 0.036 χ^2 /NDF: 2578551.7/20

Left Out: 190.486 $\pm$ 0.032 χ^2 /NDF: 950233.2/24

Right Out: 136.673 $\pm$ 0.033 χ^2 /NDF: 3184100.0/24

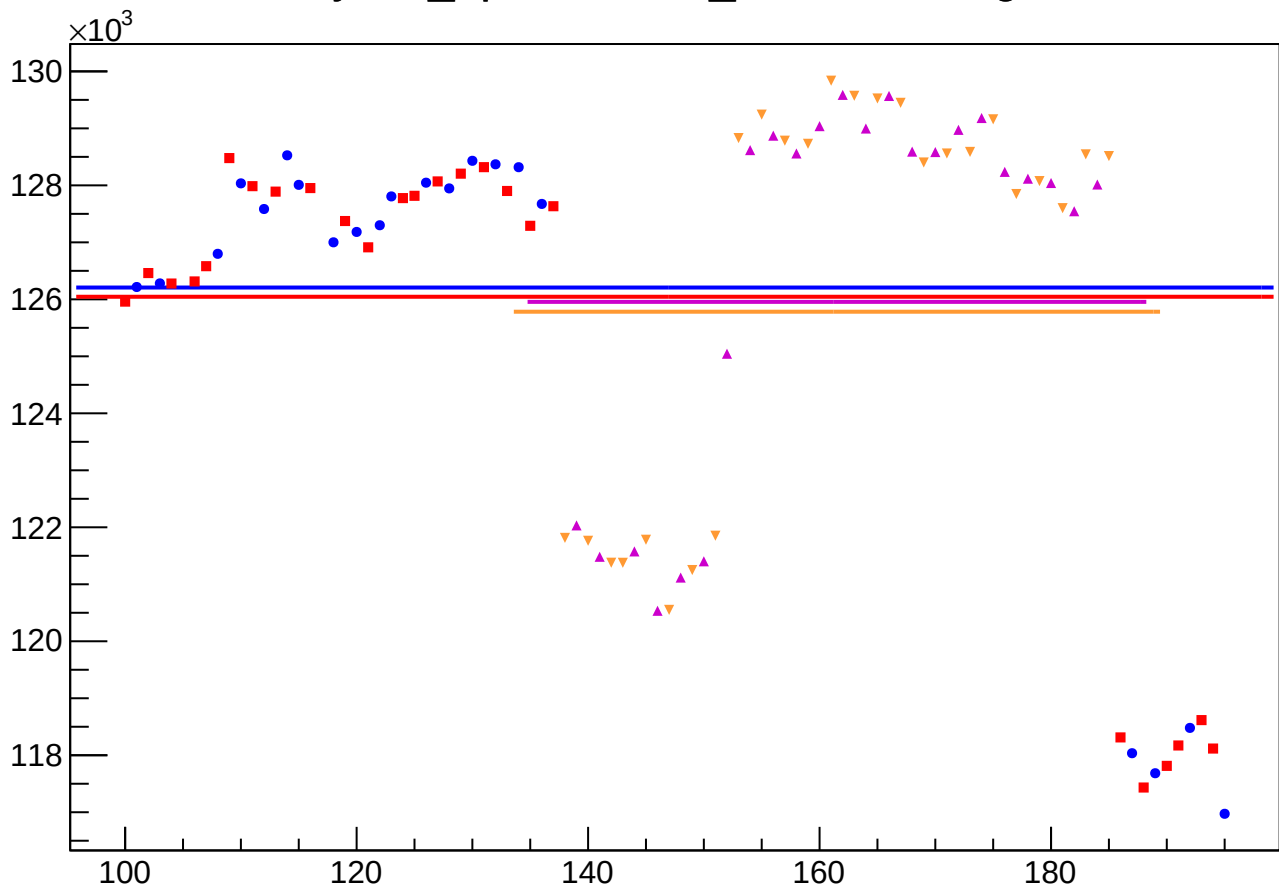
Left In: 193.558 $\pm$ 0.034 χ^2 /NDF: 963675.0/22

+ sign 167.196 $\pm$ 0.024 χ^2 /NDF: 4718663.0/45

All: 165.803 $\pm$ 0.017 χ^2 /NDF: 10344071.9/93

- sign 164.450 $\pm$ 0.023 χ^2 /NDF: 5618654.4/47

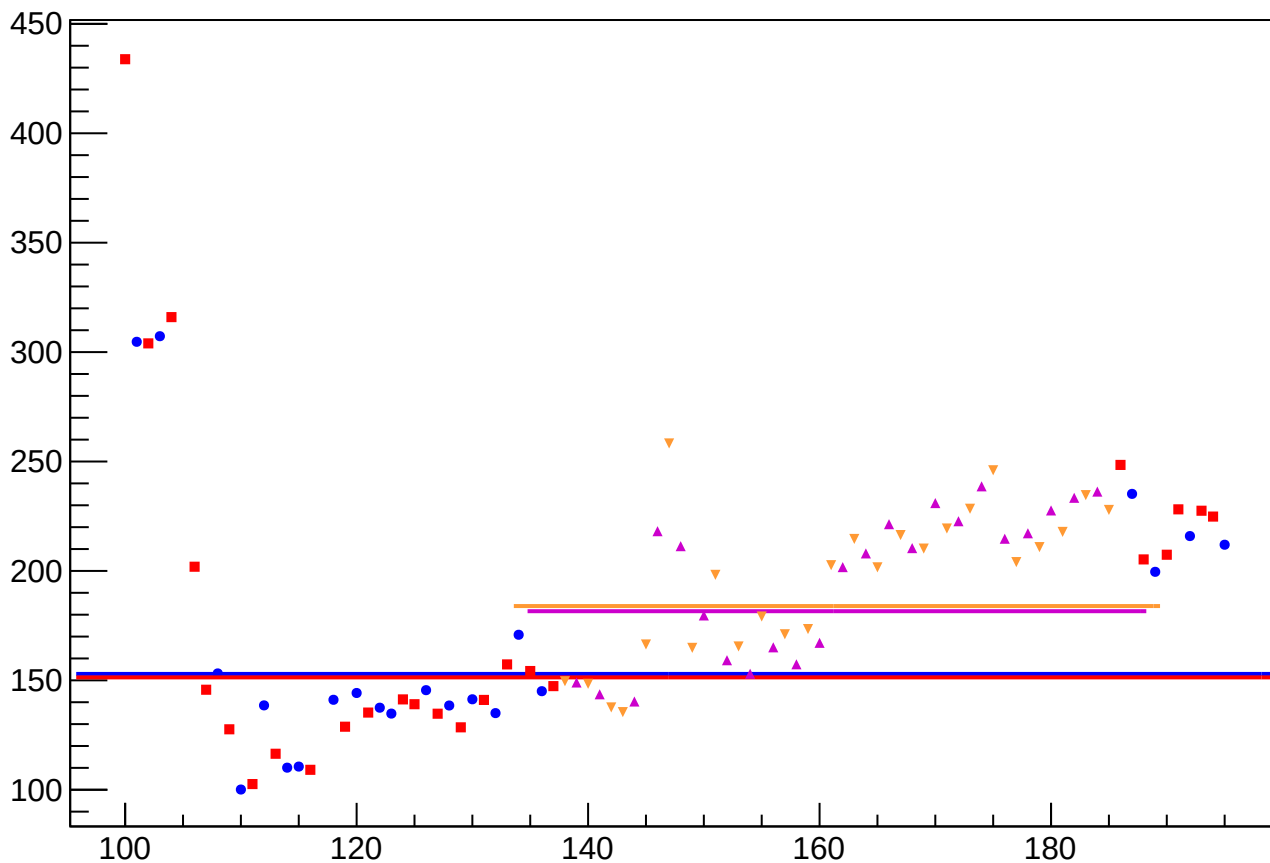
yield_bpm0l01WS_mean vs Slug



Right In: 126207.225 $\pm$ 0.054 χ^2 /NDF: 4524441120.9/20
 Left Out: 125782.764 $\pm$ 0.044 χ^2 /NDF: 6729761889.8/24
 Right Out: 126045.288 $\pm$ 0.050 χ^2 /NDF: 5613470925.3/24
 Left In: 125955.637 $\pm$ 0.045 χ^2 /NDF: 5804088930.1/22

+ sign 125953.570 $\pm$ 0.034 χ^2 /NDF: 11291645835.
 All: 125975.217 $\pm$ 0.024 χ^2 /NDF: 227117958.
 - sign 125995.905 $\pm$ 0.033 χ^2 /NDF: 11419358055.6

yield_bpm0l01WS_rms vs Slug



Right In: 152.931+/-0.038 χ^2/NDF : 1268941.5/20

Left Out: 183.947+/-0.031 χ^2/NDF : 1123194.0/24

Right Out: 151.350+/-0.035 χ^2/NDF : 1777051.5/24

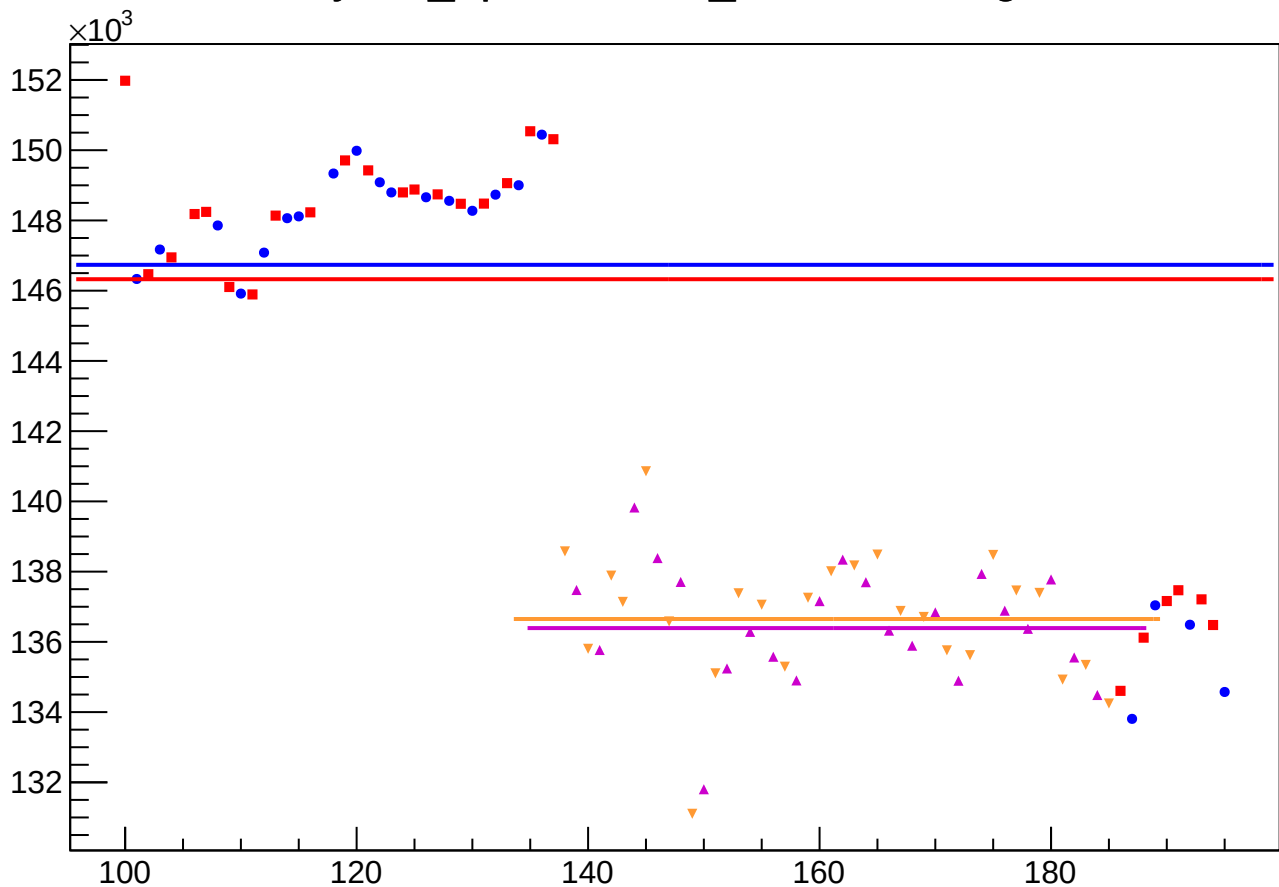
Left In: 181.596+/-0.032 χ^2/NDF : 1103524.3/22

+ sign 171.466+/-0.024 χ^2/NDF : 2791967.3/45

All: 169.699+/-0.017 χ^2/NDF : 6092448.3/93

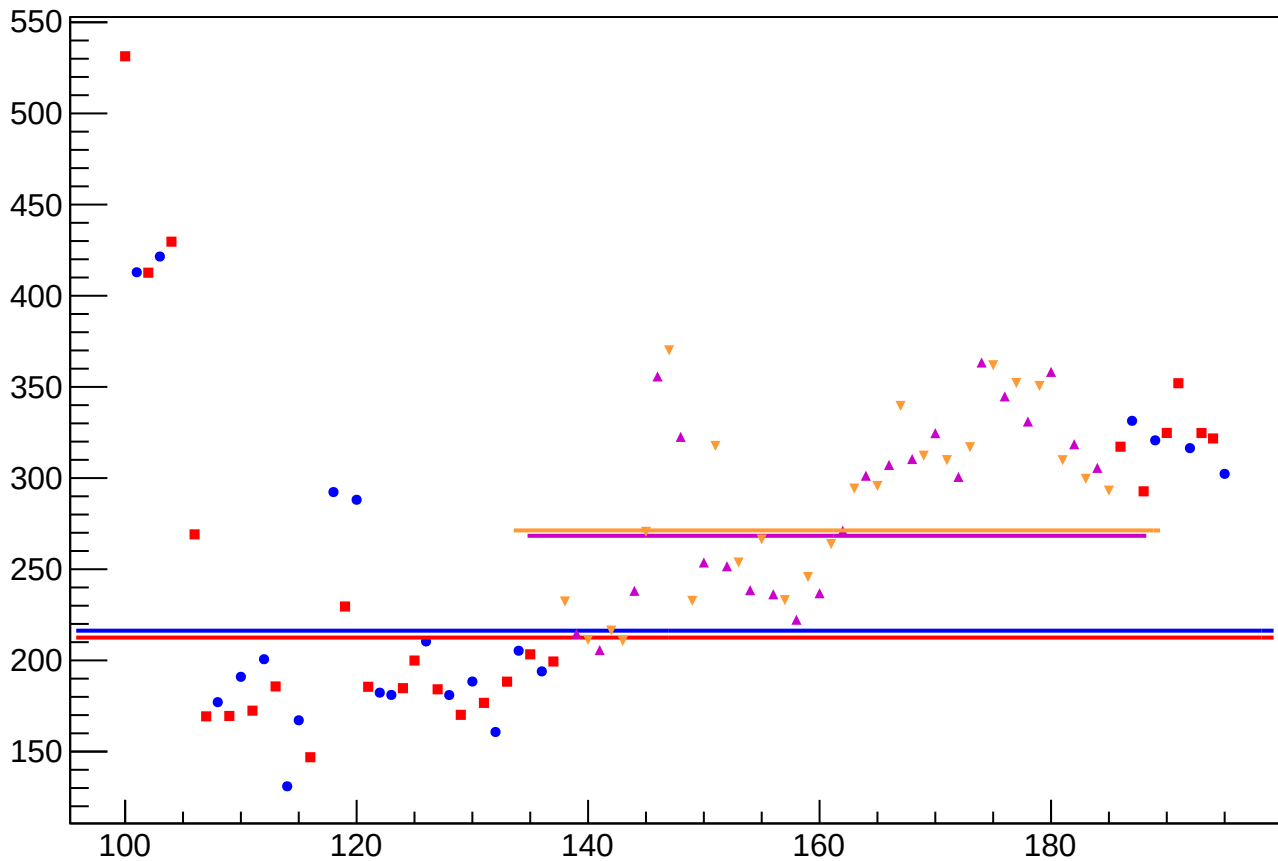
- sign 168.010+/-0.024 χ^2/NDF : 3289928.5/47

yield_bpm0l02WS_mean vs Slug



Right In: 146736.194 $\pm$ 0.076 χ^2/NDF : 3633507112.0/20
 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: 216.304 $\pm$ 0.054 χ^2 /NDF: 1460476.2/20

Left Out: 271.295 $\pm$ 0.046 χ^2 /NDF:1064485.7/24

Right Out: 212.527 $\pm$ 0.049 χ^2 /NDF: 1727484.3/24

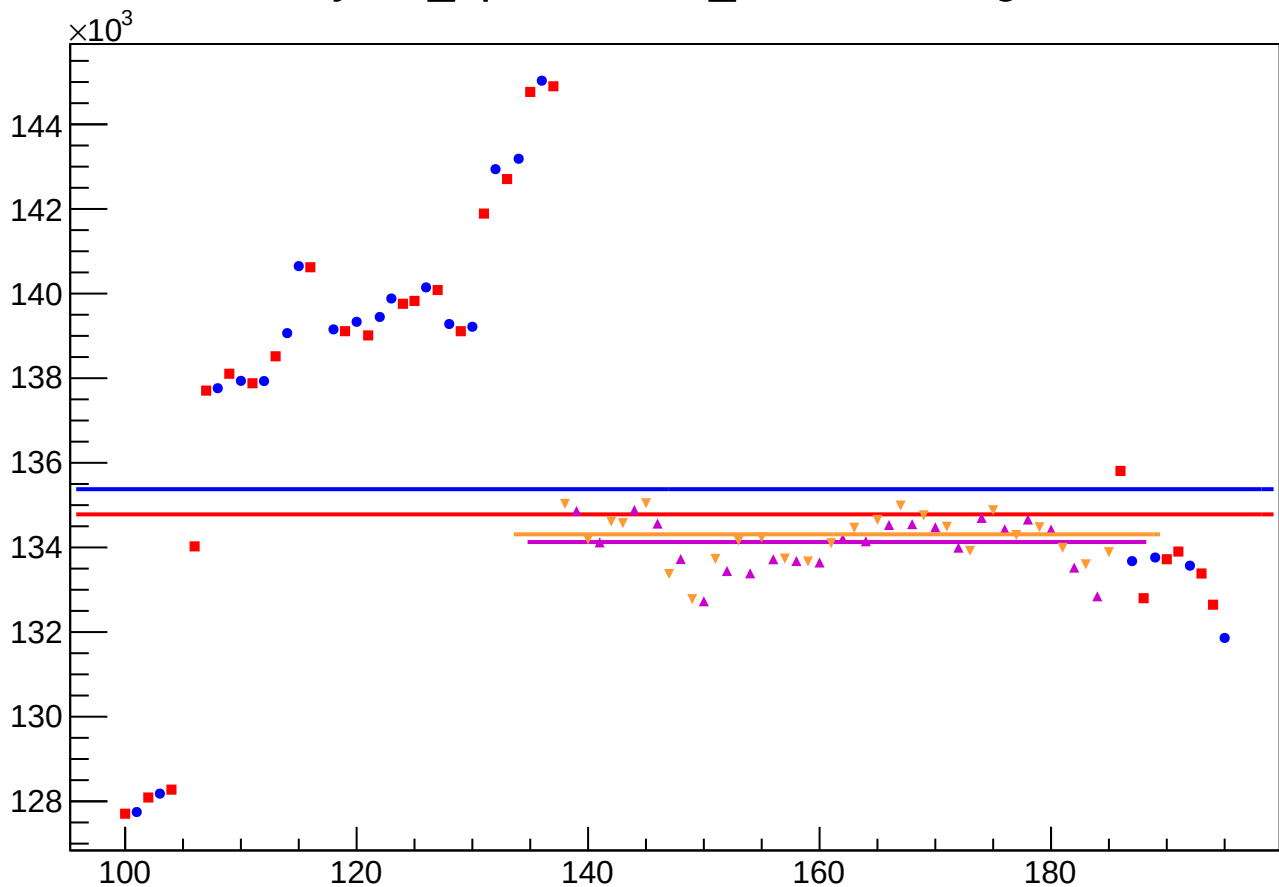
Left In: 268.344 $\pm$ 0.047 χ^2 /NDF:1077364.0/22

+ sign 248.321 $\pm$ 0.035 χ^2 /NDF: 3129964.4/45

All: 245.077 $\pm$ 0.024 χ^2 /NDF: 6627179.8/93

- sign 242.010 $\pm$ 0.034 χ^2 /NDF: 3480377.0/47

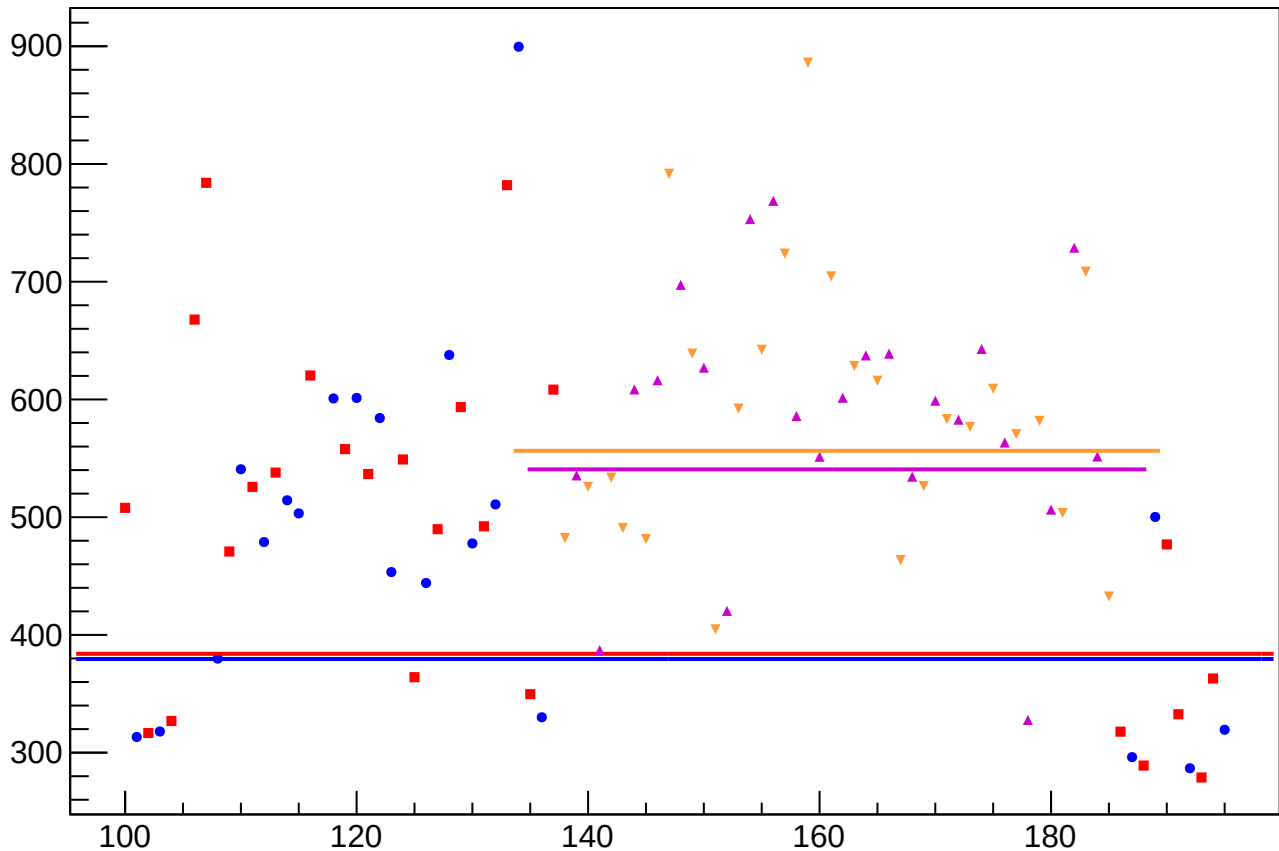
yield_bpm0l03WS_mean vs Slug



Right In: 135376.977 ± 0.141 $\chi^2/\text{NDF}: 1657523533.8/20$
 Left Out: 134310.250 ± 0.139 $\chi^2/\text{NDF}: 15518632.9/24$
 Right Out: 134781.712 ± 0.134 $\chi^2/\text{NDF}: 1194532988.8/24$
 Left In: 134128.172 ± 0.142 $\chi^2/\text{NDF}: 15533736.2/22$

+ sign 134835.977 ± 0.099 $\chi^2/\text{NDF}: 1702254203.9$
 All: 134652.576 ± 0.069 $\chi^2/\text{NDF}: 293034262$
 - sign 134473.452 ± 0.098 $\chi^2/\text{NDF}: 1221259604.6$

yield_bpm0l03WS_rms vs Slug



Right In: 379.549 ± 0.099 $\chi^2/\text{NDF}: 1123923.6/20$

Left Out: 556.381 ± 0.098 $\chi^2/\text{NDF}: 1002064.0/24$

Right Out: 383.959 ± 0.095 $\chi^2/\text{NDF}: 1492176.1/24$

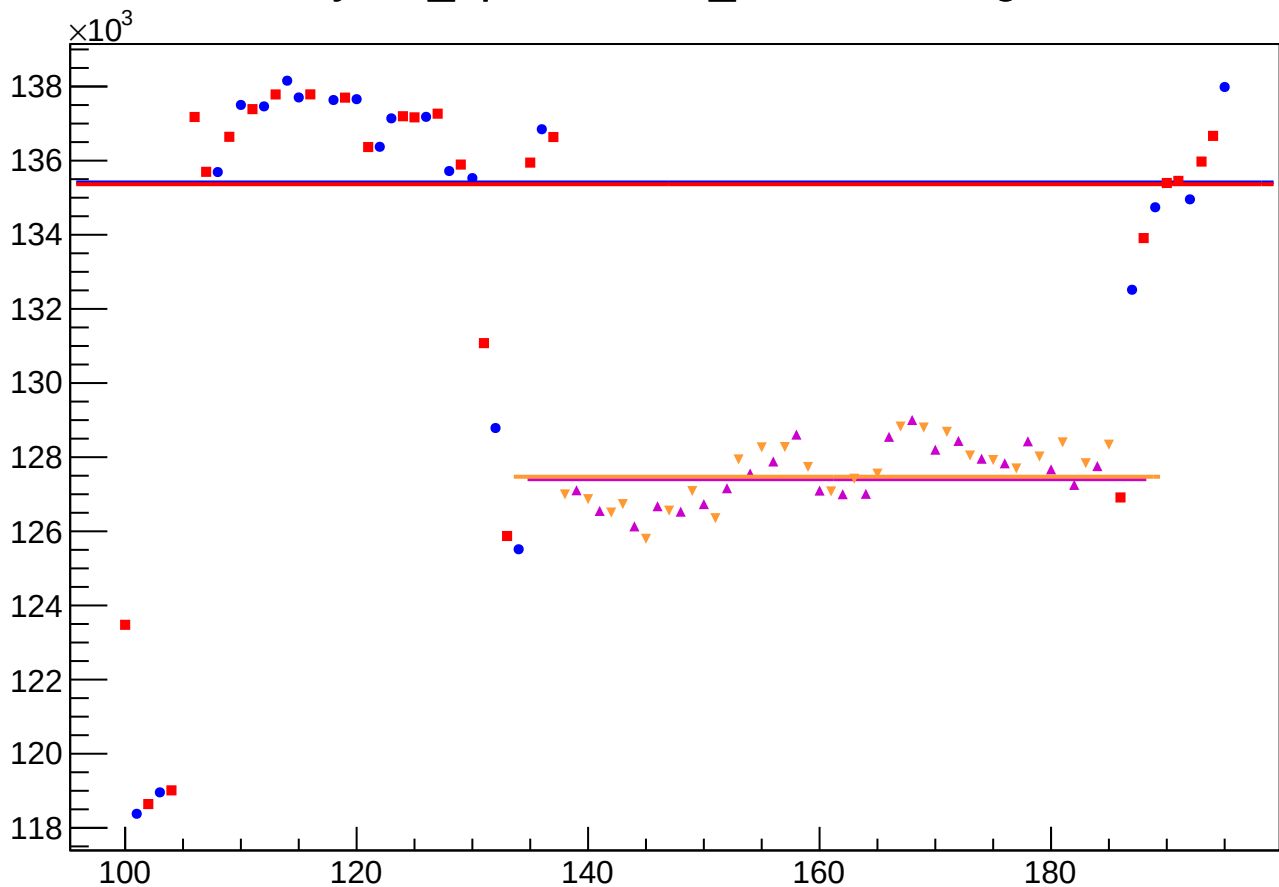
Left In: 540.607 ± 0.100 $\chi^2/\text{NDF}: 1409015.2/22$

+ sign 469.231 ± 0.070 $\chi^2/\text{NDF}: 3731481.2/45$

All: 463.471 ± 0.049 $\chi^2/\text{NDF}: 7932259.8/93$

- sign 457.846 ± 0.069 $\chi^2/\text{NDF}: 4187308.2/47$

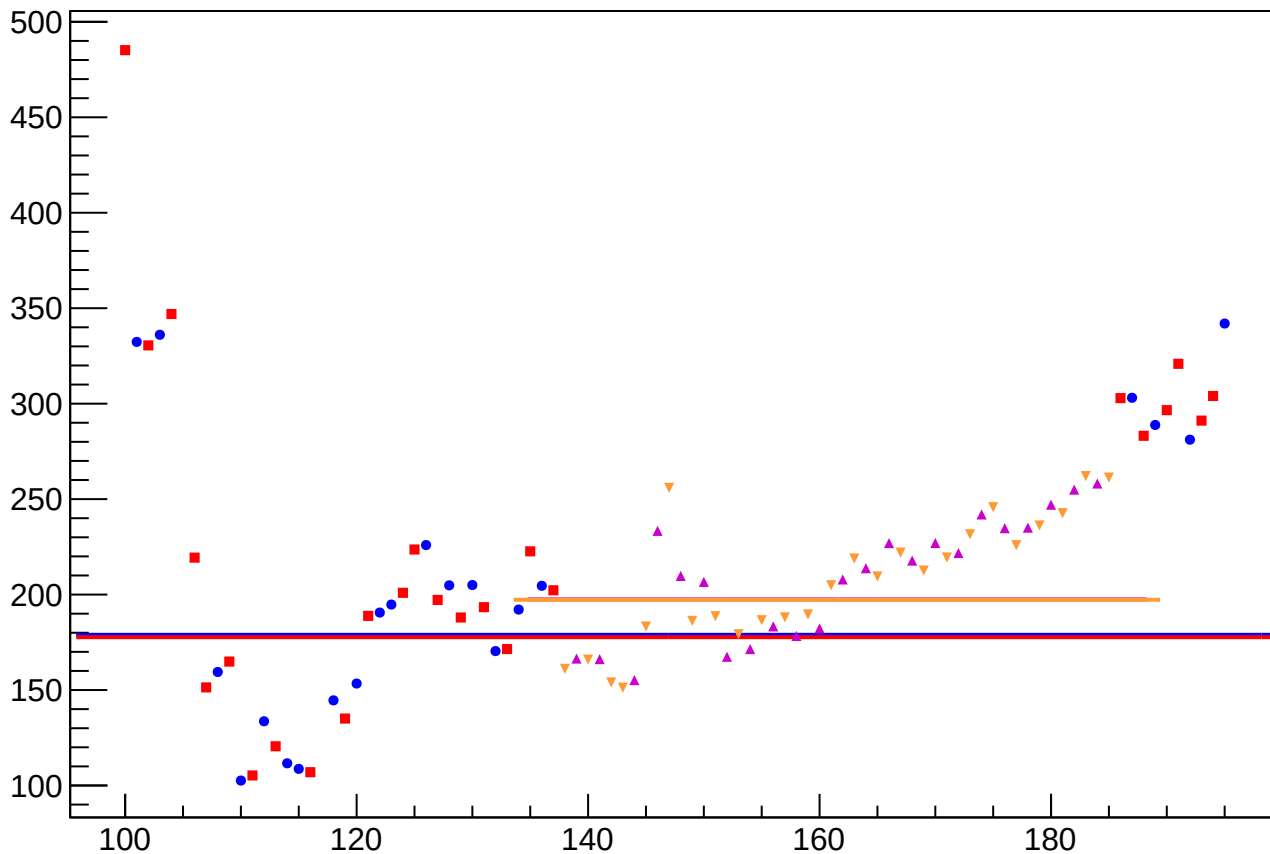
yield_bpm0l04WS_mean vs Slug



Right In: 135410.617 ± 0.065 $\chi^2/\text{NDF}: 4643271107.0/20$
 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 130210.113 ± 0.038 $\chi^2/\text{NDF}: 14845122431.0/20$
 - sign 130554.242 ± 0.038 $\chi^2/\text{NDF}: 16047923195.3/20$
 All: 130383.655 ± 0.027 $\chi^2/\text{NDF}: 309345667.0/20$

yield_bpm0l04WS_rms vs Slug



Right In: 178.922 $\pm$ 0.046 χ^2 /NDF: 2120124.0/20

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

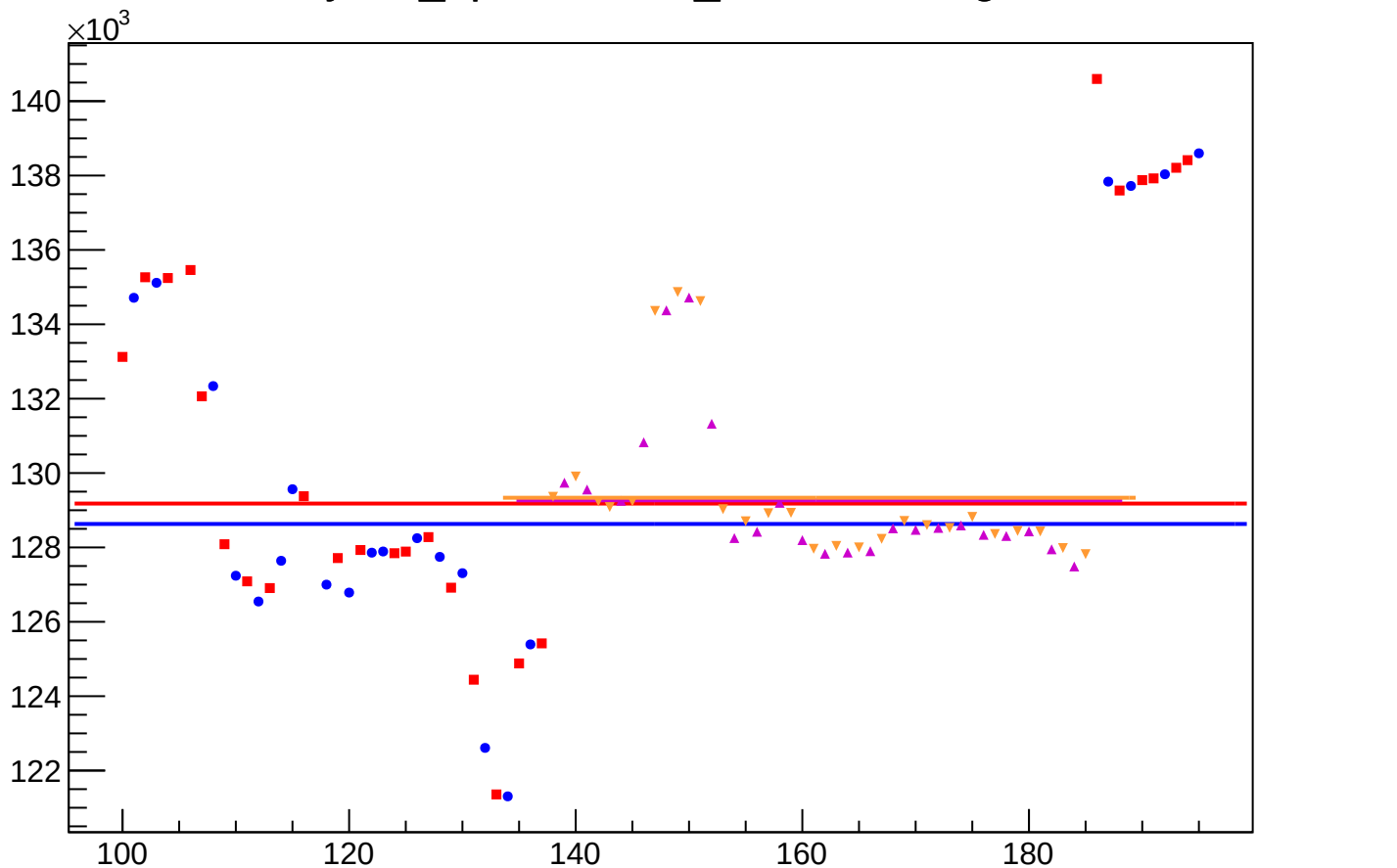
Left In: 197.471 $\pm$ 0.034 χ^2 /NDF: 791577.5/22

+ sign 190.955 $\pm$ 0.027 χ^2 /NDF: 3078133.7/45

All: 190.295 $\pm$ 0.019 χ^2 /NDF: 6634941.1/93

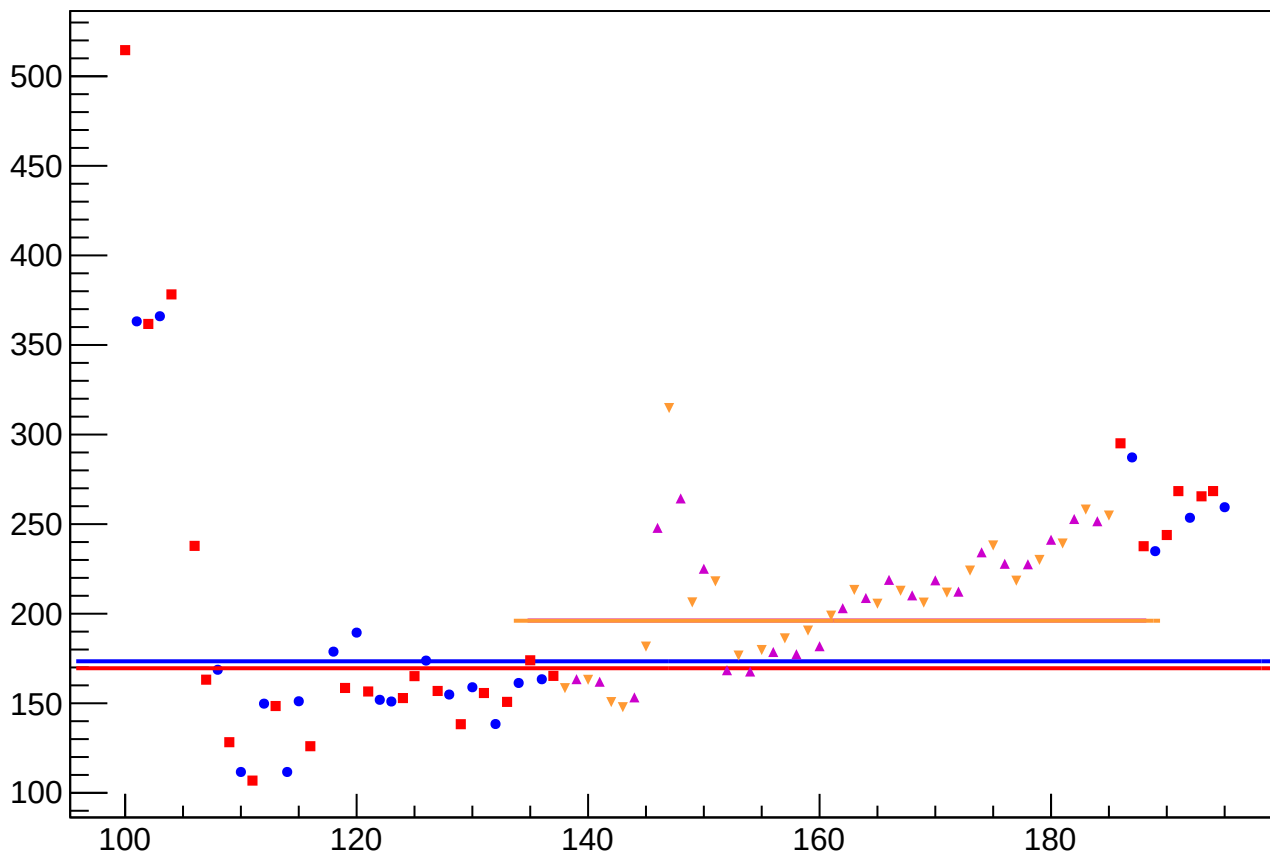
- sign 189.646 $\pm$ 0.027 χ^2 /NDF: 3555605.7/47

yield_bpm0l05WS_mean vs Slug



Right In: 128630.777+/-0.062	χ^2/NDF : 5582733697.9/20	+ sign 129078.524+/-0.037	χ^2/NDF : 7116805872.6
Left Out: 129335.946+/-0.047	χ^2/NDF : 1450933621.0/24	All: 129155.630+/-0.026	χ^2/NDF : 154222076
Right Out: 129179.866+/-0.056	χ^2/NDF : 7081825606.0/24	- sign 129230.183+/-0.037	χ^2/NDF : 8296966938.6
Left In: 129266.909+/-0.048	χ^2/NDF : 1213762773.1/22		

yield_bpm0l05WS_rms vs Slug



Right In: 173.446+/-0.044 χ^2/NDF : 1489906.6/20

Left Out: 196.077+/-0.033 χ^2/NDF : 975710.9/24

Right Out: 169.551+/-0.040 χ^2/NDF : 2068920.4/24

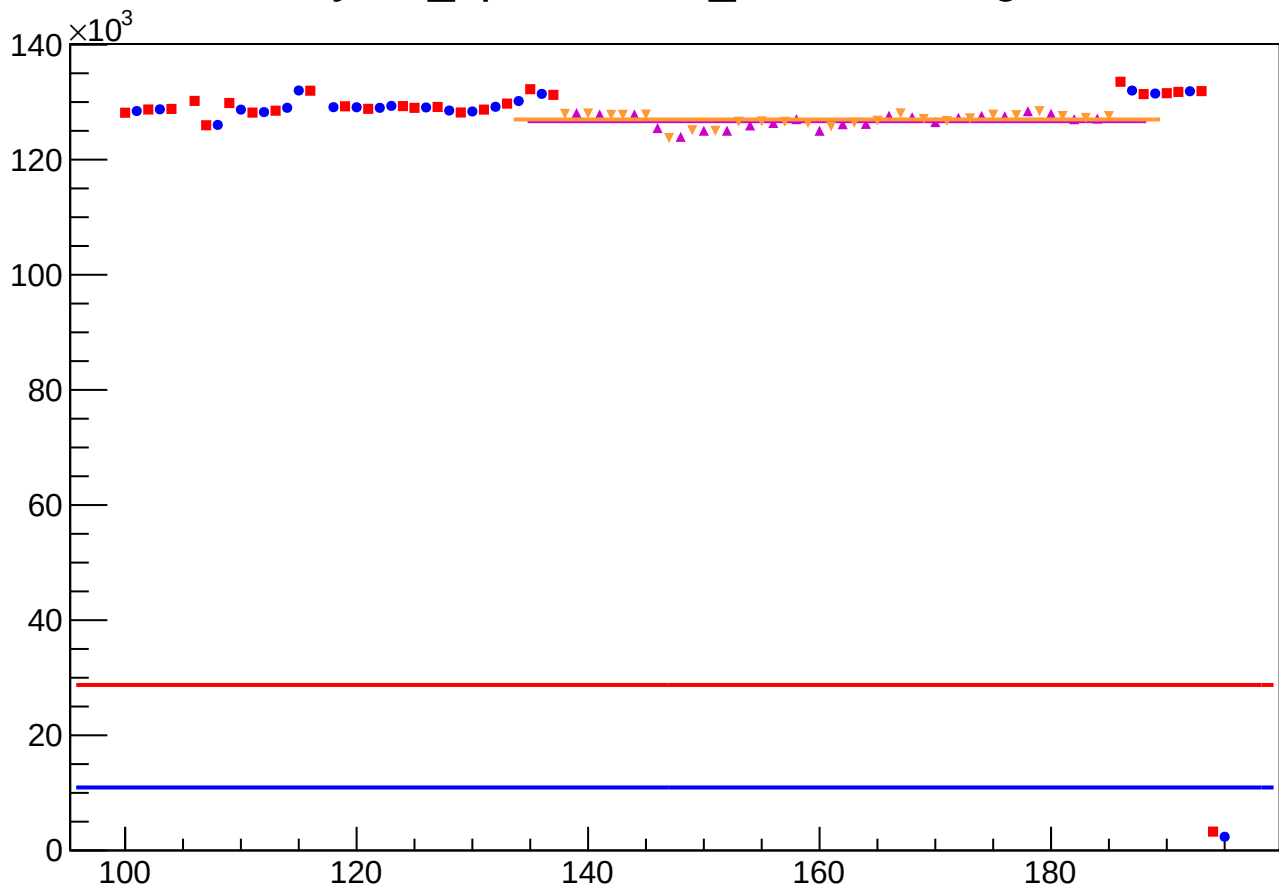
Left In: 196.186+/-0.034 χ^2/NDF : 898058.0/22

+ sign 187.816+/-0.026 χ^2/NDF : 2636877.7/45

All: 186.358+/-0.018 χ^2/NDF : 5868055.6/93

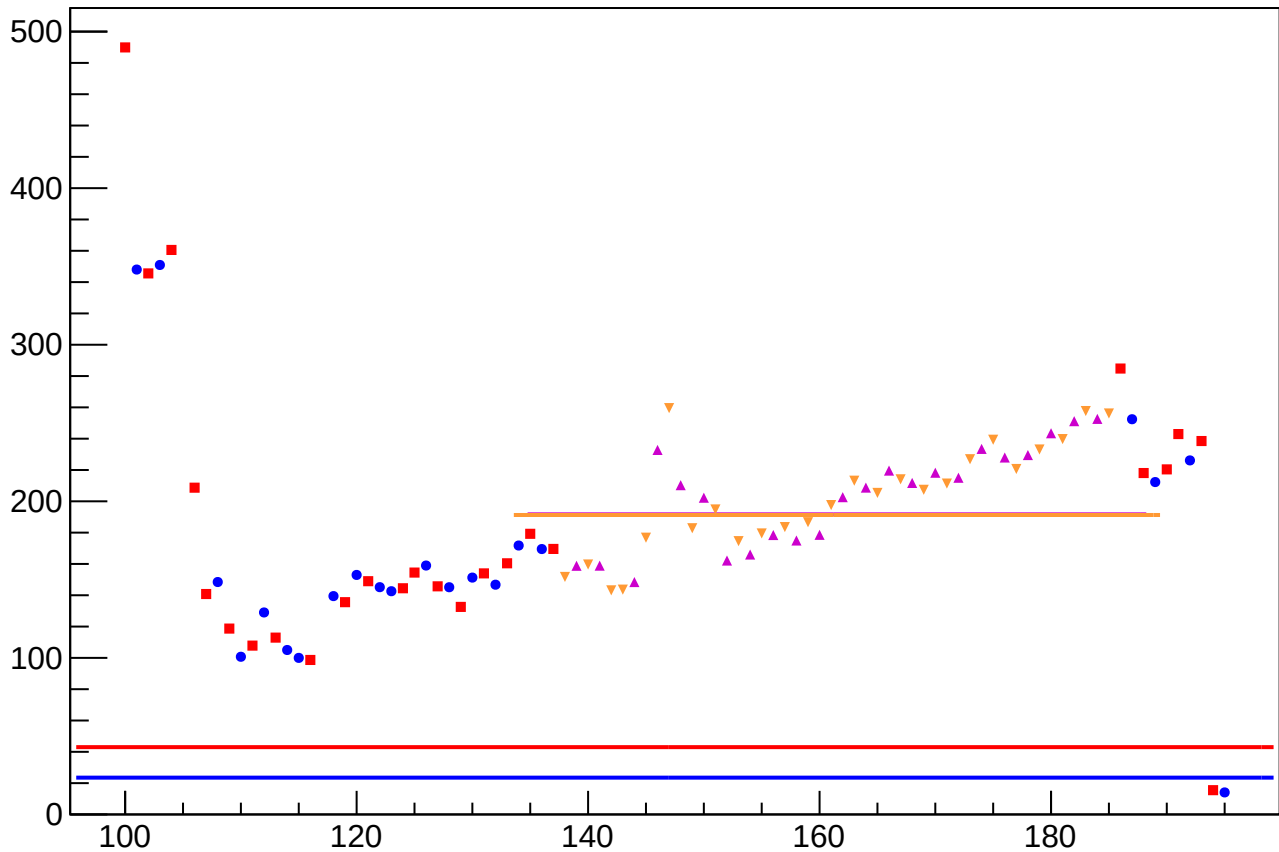
- sign 184.948+/-0.026 χ^2/NDF : 3225145.8/47

yield_bpm0l06WS_mean vs Slug



Right In: 10940.281 ± 0.015 $\chi^2/\text{NDF}: 4599725607183.9/20$
 Left Out: 126981.724 ± 0.046 $\chi^2/\text{NDF}: 530573115.8/24$ + sign 22091.922 ± 0.014 $\chi^2/\text{NDF}: 1047368780885$
 Right Out: 28746.031 ± 0.024 $\chi^2/\text{NDF}: 4634570011447.8/24$ All: 30248.370 ± 0.012 $\chi^2/\text{NDF}: 1965819849$
 Left In: 126682.659 ± 0.047 $\chi^2/\text{NDF}: 660415880.0/22$ - sign 48385.213 ± 0.021 $\chi^2/\text{NDF}: 8107634214175$

yield_bpm0l06WS_rms vs Slug



Right In: 23.515+/-0.010 χ^2/NDF : 12591803.5/20

Left Out: 191.263+/-0.032 χ^2/NDF : 992566.2/24

Right Out: 42.991+/-0.017 χ^2/NDF : 12734696.0/24

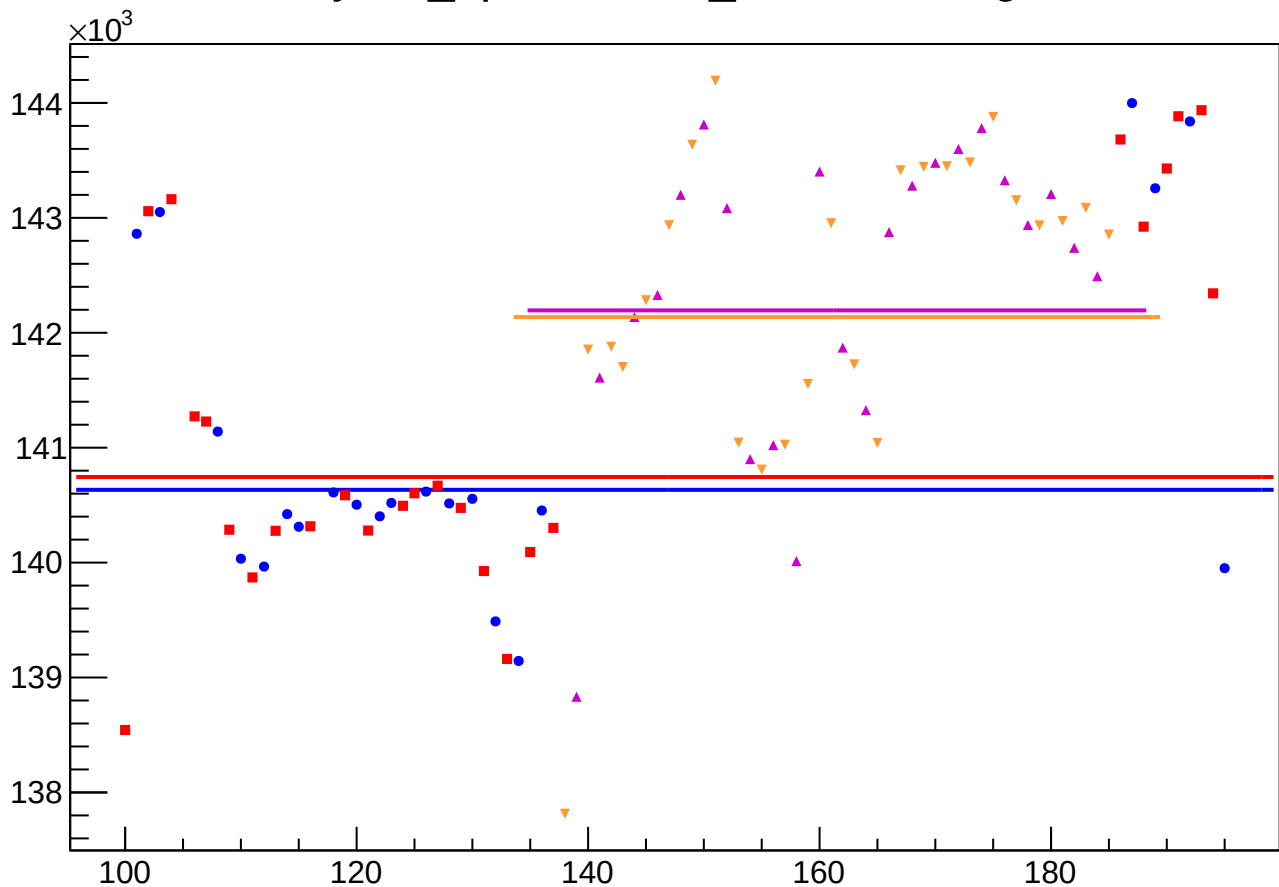
Left In: 191.683+/-0.033 χ^2/NDF : 864384.9/22

+ sign 39.636+/-0.010 χ^2/NDF : 38132082.0/45

All: 49.926+/-0.008 χ^2/NDF : 71167518.0/93

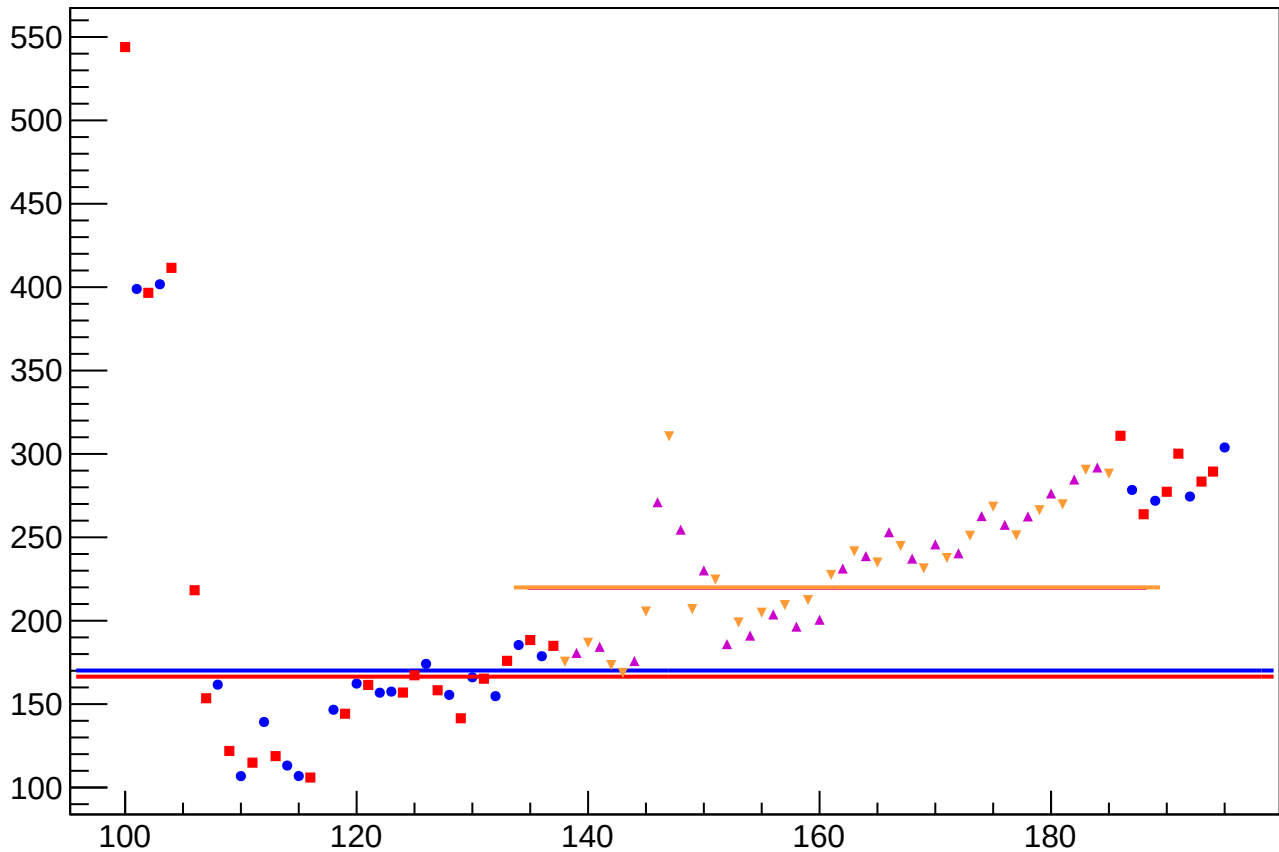
- sign 72.808+/-0.015 χ^2/NDF : 29607278.0/47

yield_bpm0l07WS_mean vs Slug



Right In: 140633.492 $\pm$ 0.061 χ^2 /NDF: 294688029.7/20
 Left Out: 142136.579 $\pm$ 0.052 χ^2 /NDF: 815573343.0/24
 Right Out: 140744.675 $\pm$ 0.056 χ^2 /NDF: 406354429.5/24
 Left In: 142195.020 $\pm$ 0.054 χ^2 /NDF: 644030906.9/22
 All: 141496.423 $\pm$ 0.028 χ^2 /NDF: 286123018
 + sign 141497.751 $\pm$ 0.040 χ^2 /NDF: 1460967713.7
 - sign 141495.157 $\pm$ 0.039 χ^2 /NDF: 1400260283.2

yield_bpm0l07WS_rms vs Slug



Right In: 170.143 $\pm$ 0.043 χ^2 /NDF: 2005410.0/20

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

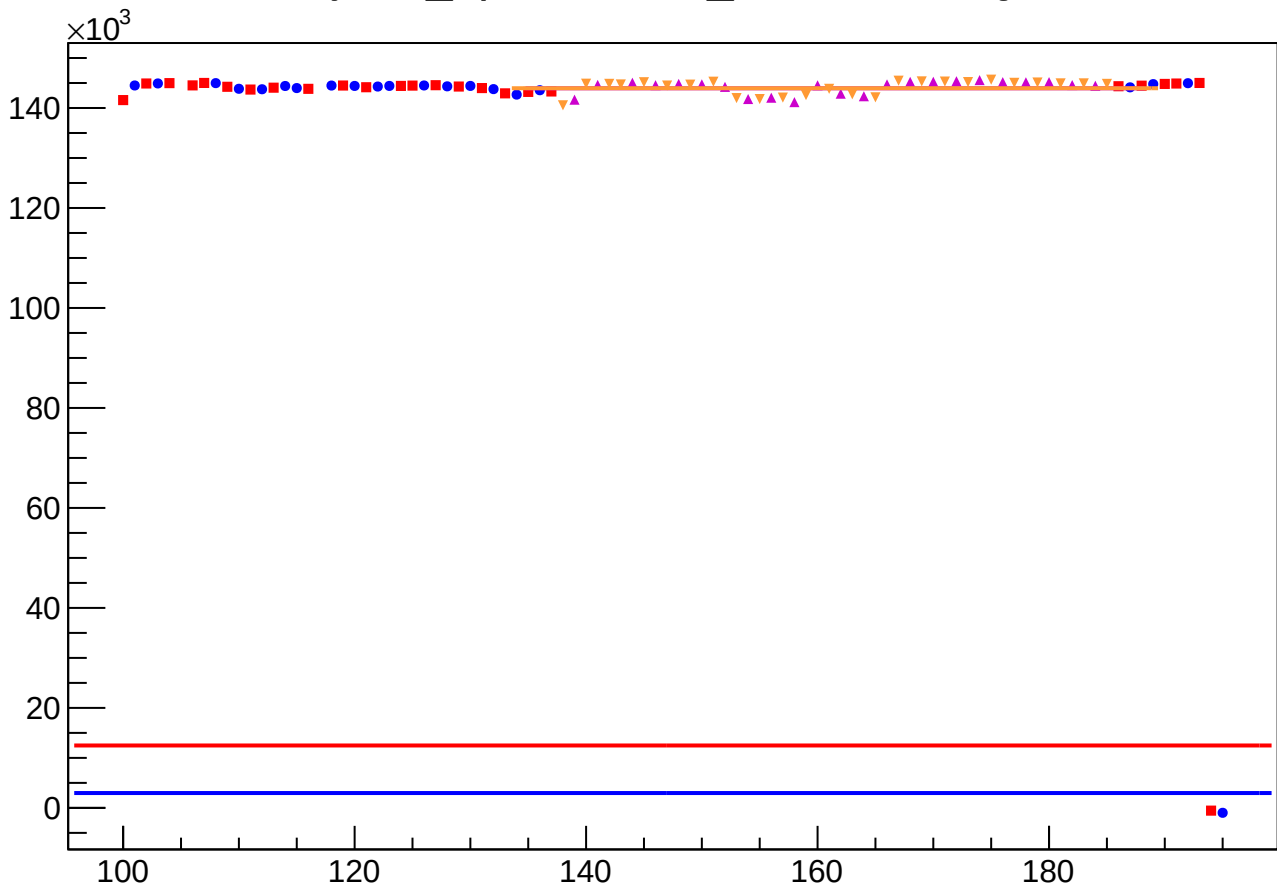
Left In: 219.685 $\pm$ 0.038 χ^2 /NDF: 812745.1/22

+ sign 198.793 $\pm$ 0.028 χ^2 /NDF: 3642783.0/45

All: 196.341 $\pm$ 0.020 χ^2 /NDF: 8048210.7/93

- sign 194.003 $\pm$ 0.027 χ^2 /NDF: 4390507.0/47

yield_bpm0l08WS_mean vs Slug



Right In: 2969.294 $\pm$ 0.010 χ^2 /NDF: 5148468007946.7/20

Left Out: 143951.284 $\pm$ 0.052 χ^2 /NDF: 864679545.2/24

Right Out: 12482.074 $\pm$ 0.017 χ^2 /NDF: 5788132538045.9/24

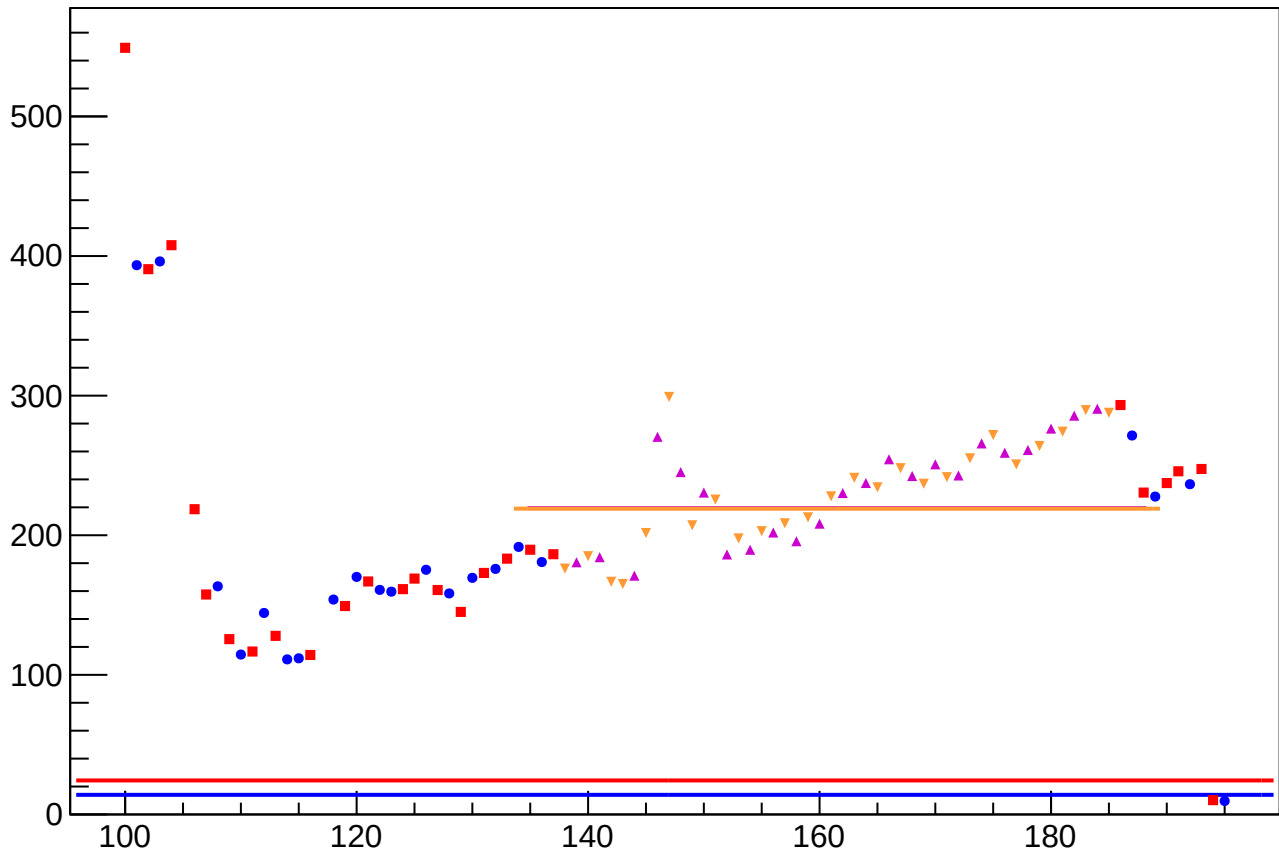
Left In: 143938.288 $\pm$ 0.054 χ^2 /NDF: 719814685.6/22

+ sign 8378.365 $\pm$ 0.010 χ^2 /NDF: 12181133375367

All: 12932.773 $\pm$ 0.009 χ^2 /NDF: 2408995283

- sign 24681.246 $\pm$ 0.016 χ^2 /NDF: 1119684057969

yield_bpm0l08WS_rms vs Slug



Right In: 14.049 ± 0.007 $\chi^2/\text{NDF}: 14000171.7/20$

Left Out: 219.050 ± 0.037 $\chi^2/\text{NDF}: 934417.6/24$

Right Out: 24.363 ± 0.012 $\chi^2/\text{NDF}: 15401686.6/24$

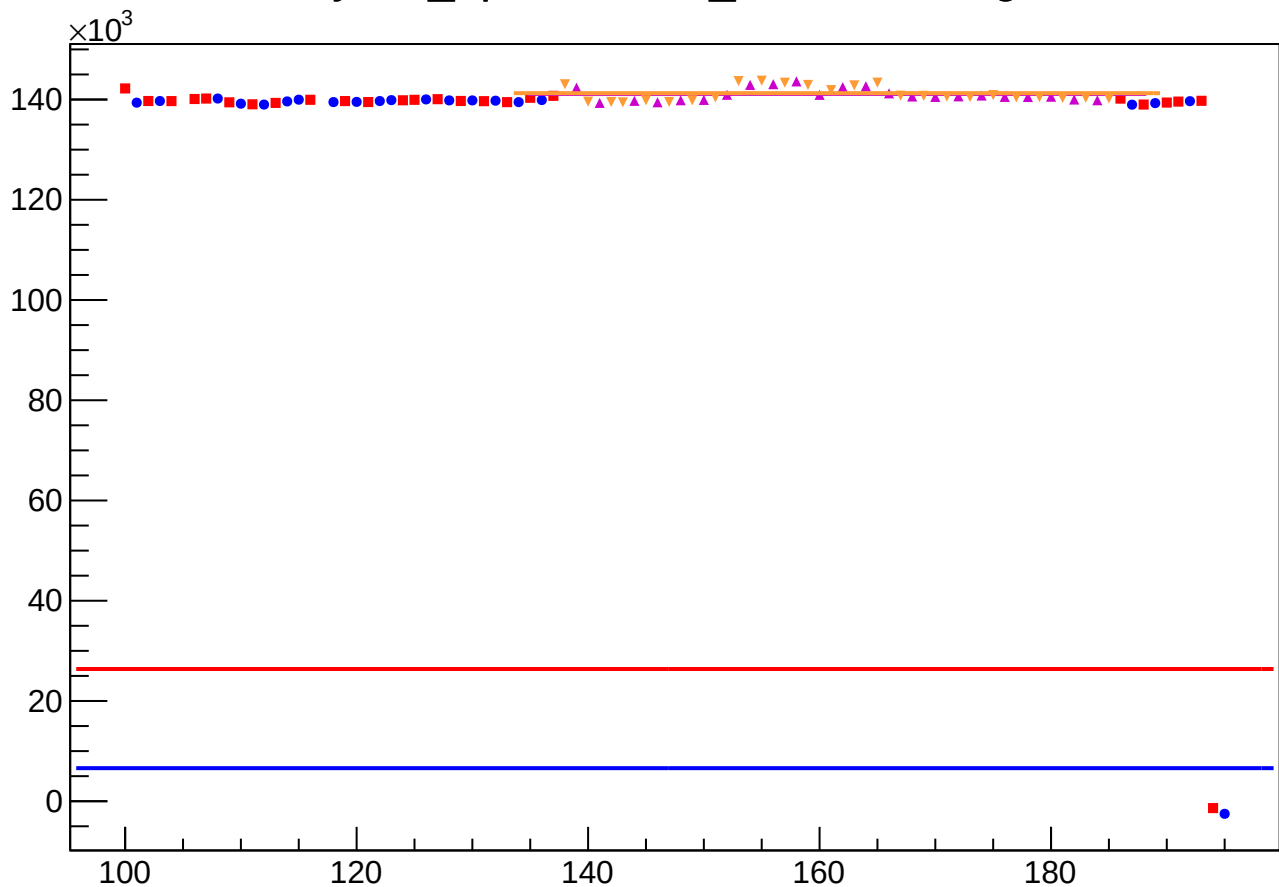
Left In: 219.426 ± 0.038 $\chi^2/\text{NDF}: 850089.5/22$

+ sign 21.914 ± 0.007 $\chi^2/\text{NDF}: 44670517.1/45$

All: 27.655 ± 0.006 $\chi^2/\text{NDF}: 87000111.6/93$

- sign 42.465 ± 0.012 $\chi^2/\text{NDF}: 40066879.6/47$

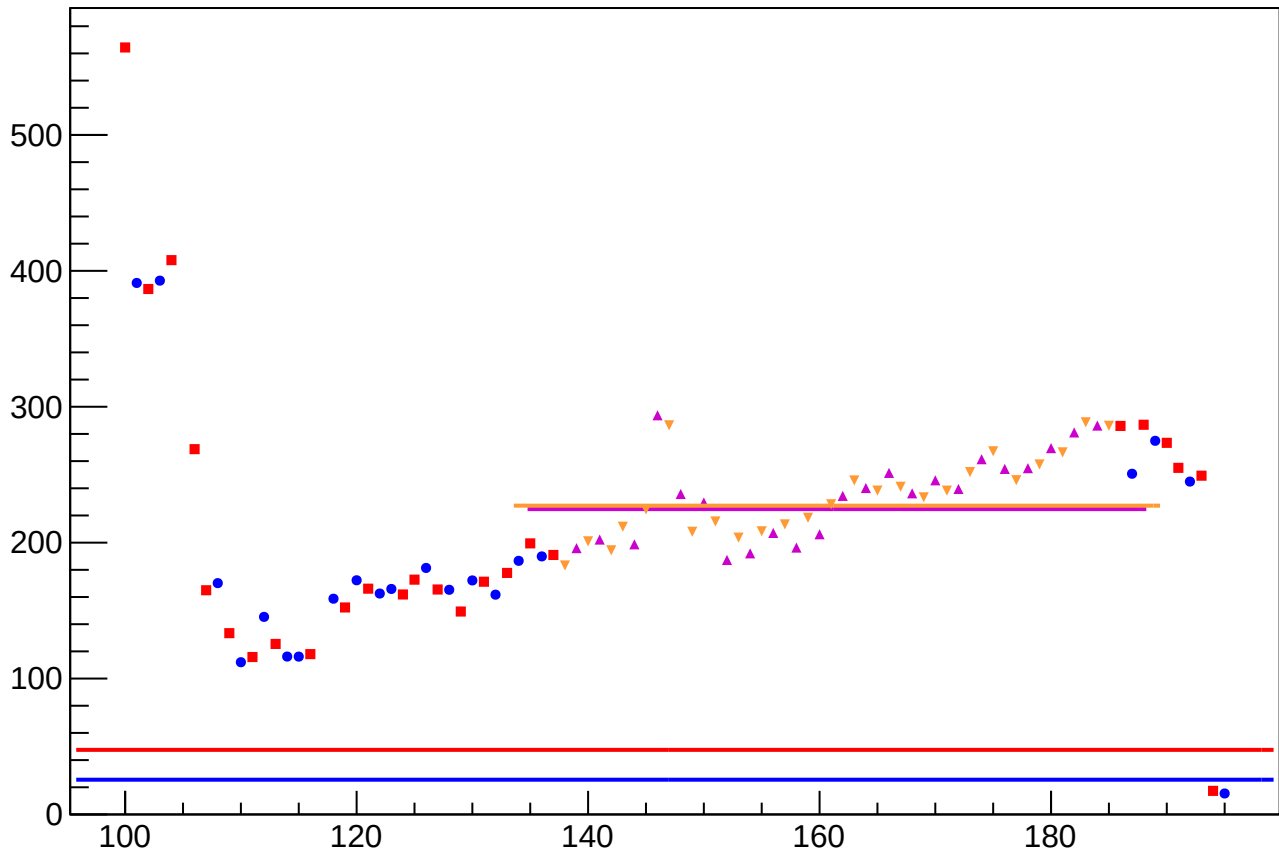
yield_bpm0l09WS_mean vs Slug



Right In: 6597.836 $\pm$ 0.016 χ^2 /NDF: 4547546934579.5/20
 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 17986.633 $\pm$ 0.016 χ^2 /NDF: 1030595132618
 All: 26996.306 $\pm$ 0.013 χ^2 /NDF: 1953058449
 - sign 47680.931 $\pm$ 0.024 χ^2 /NDF: 8127533390031

yield_bpm0l09WS_rms vs Slug



Right In: 25.573+/-0.012 χ^2/NDF : 12685231.6/20

Left Out: 227.224+/-0.038 χ^2/NDF : 484955.3/24

Right Out: 47.530+/-0.019 χ^2/NDF : 12846776.6/24

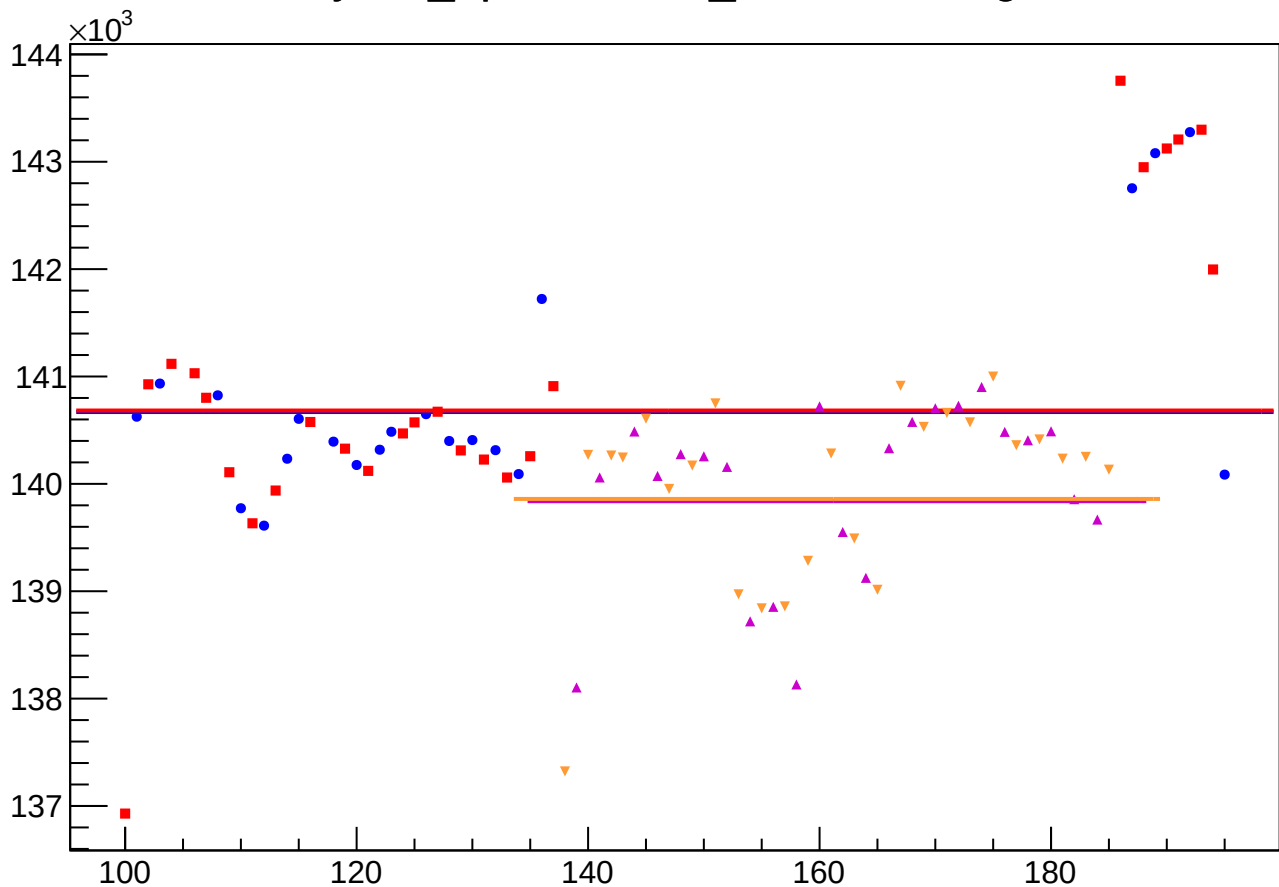
Left In: 224.686+/-0.039 χ^2/NDF : 578366.0/22

+ sign 42.626+/-0.011 χ^2/NDF : 38988299.3/45

All: 54.093+/-0.009 χ^2/NDF : 72917805.5/93

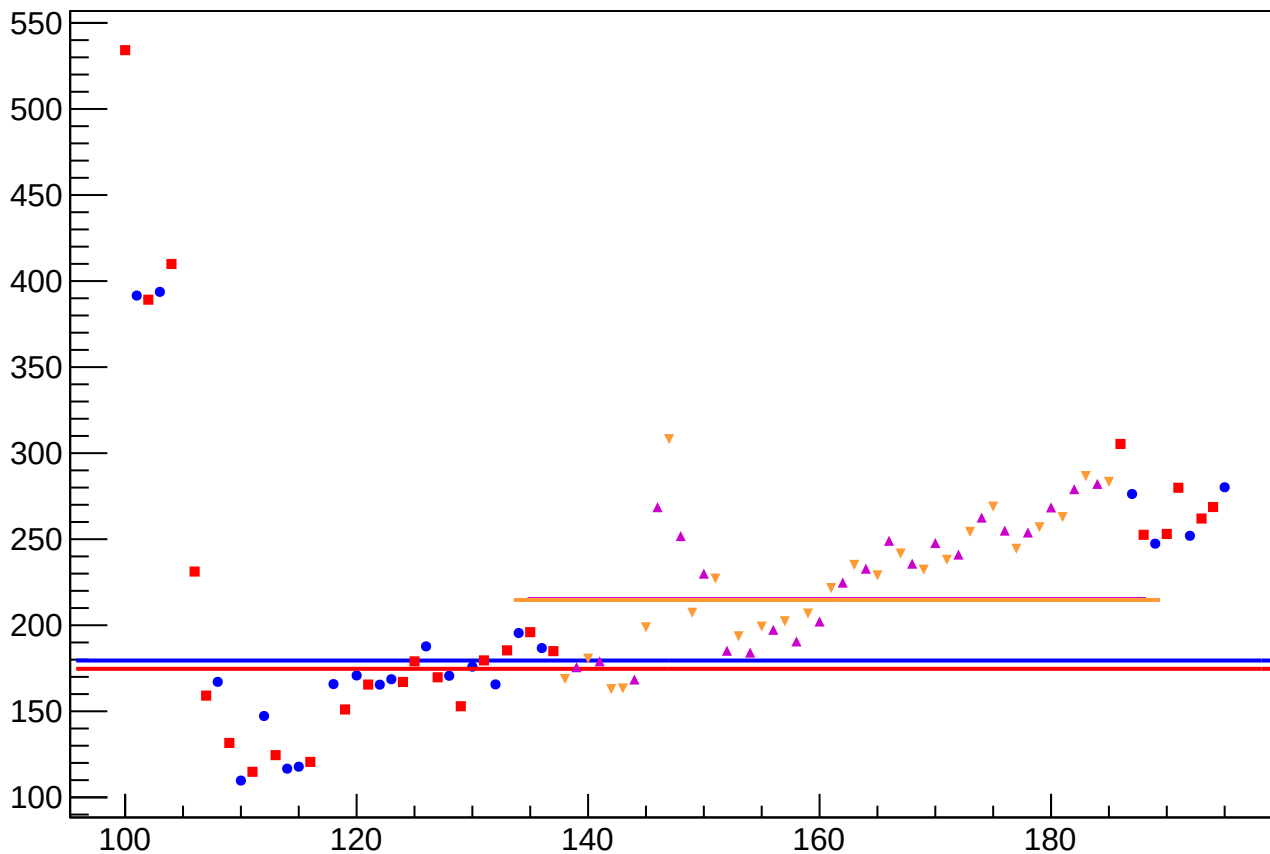
- sign 80.419+/-0.017 χ^2/NDF : 30375250.4/47

yield_bpm0l10WS_mean vs Slug



Right In: 140669.105 $\pm$ 0.064	χ^2 /NDF: 237798921.6/20	+ sign 140177.484 $\pm$ 0.040	χ^2 /NDF: 666434814.6/4
Left Out: 139859.696 $\pm$ 0.051	χ^2 /NDF: 330118281.5/24	All: 140200.471 $\pm$ 0.028	χ^2 /NDF: 139762332
Right Out: 140683.100 $\pm$ 0.058	χ^2 /NDF: 334714927.3/24	- sign 140222.513 $\pm$ 0.039	χ^2 /NDF: 730535789.6/4
Left In: 139838.724 $\pm$ 0.053	χ^2 /NDF: 279573689.3/22		

yield_bpm0l10WS_rms vs Slug



Right In: 179.505 $\pm$ 0.045 χ^2 /NDF: 1625320.7/20

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

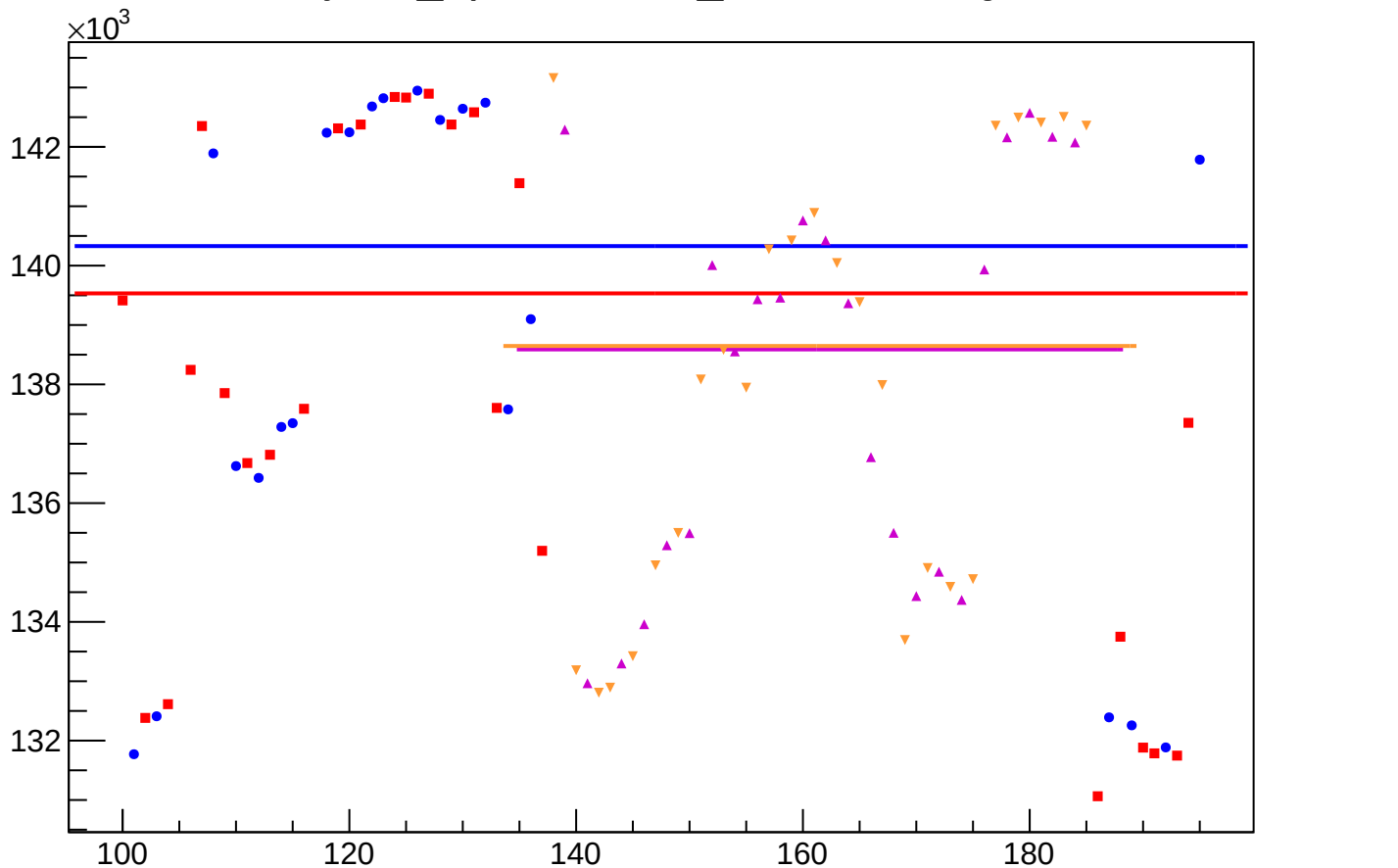
Left In: 215.222 $\pm$ 0.037 χ^2 /NDF: 881945.0/22

+ sign 200.878 $\pm$ 0.028 χ^2 /NDF: 2978800.1/45

All: 198.794 $\pm$ 0.020 χ^2 /NDF: 6590826.6/93

- sign 196.797 $\pm$ 0.028 χ^2 /NDF: 3601306.7/47

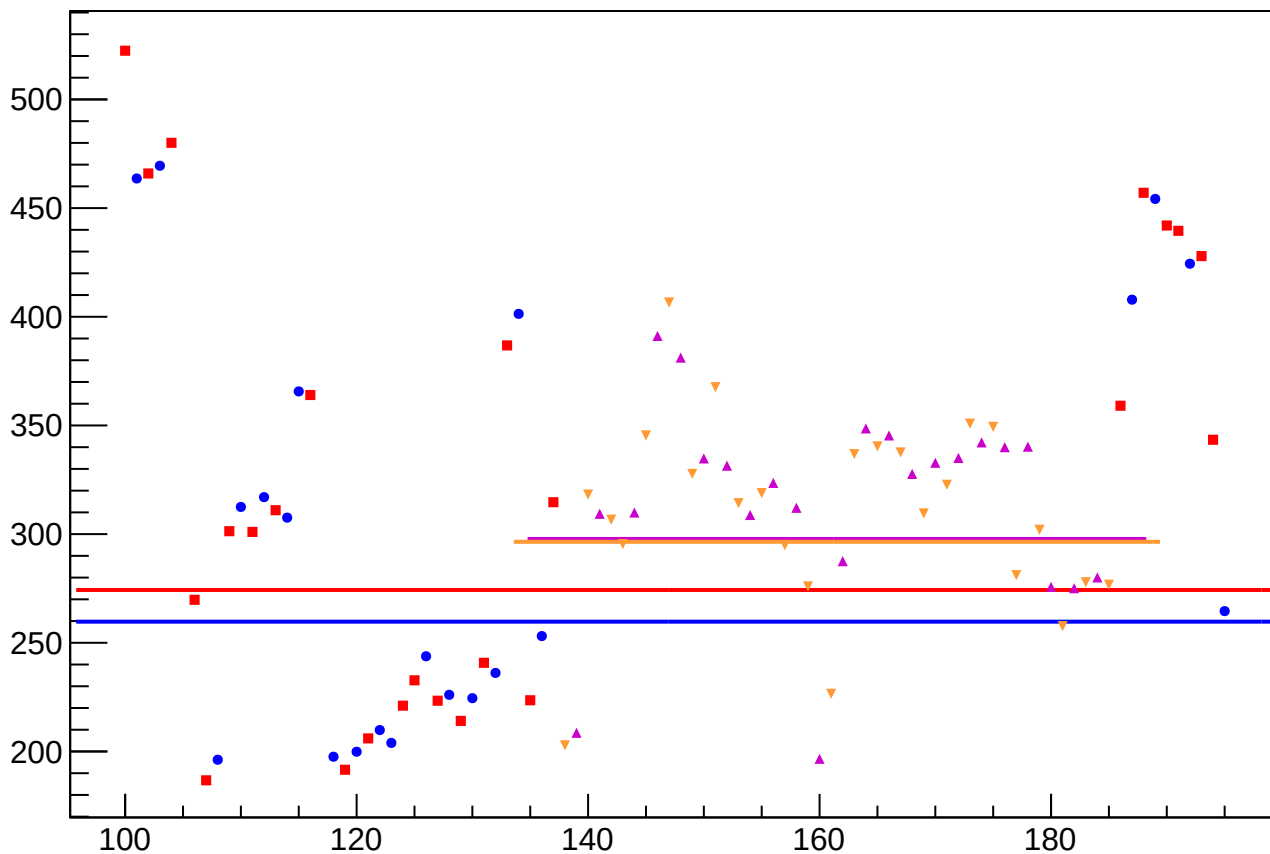
yield_bpm0r03WS_mean vs Slug



Right In: 140328.958 $\pm$ 0.091 χ^2 /NDF: 1432549654.8/20
 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 139277.336 $\pm$ 0.056 χ^2 /NDF: 4192684220.1
 All: 139124.489 $\pm$ 0.040 χ^2 /NDF: 798637183
 - sign 138965.754 $\pm$ 0.057 χ^2 /NDF: 3778507863.5

yield_bpm0r03WS_rms vs Slug



Right In: 259.721 $\pm$ 0.065 χ^2 /NDF: 1394084.7/20

Left Out: 296.464 $\pm$ 0.050 χ^2 /NDF: 893579.7/24

Right Out: 274.300 $\pm$ 0.064 χ^2 /NDF: 1876571.7/24

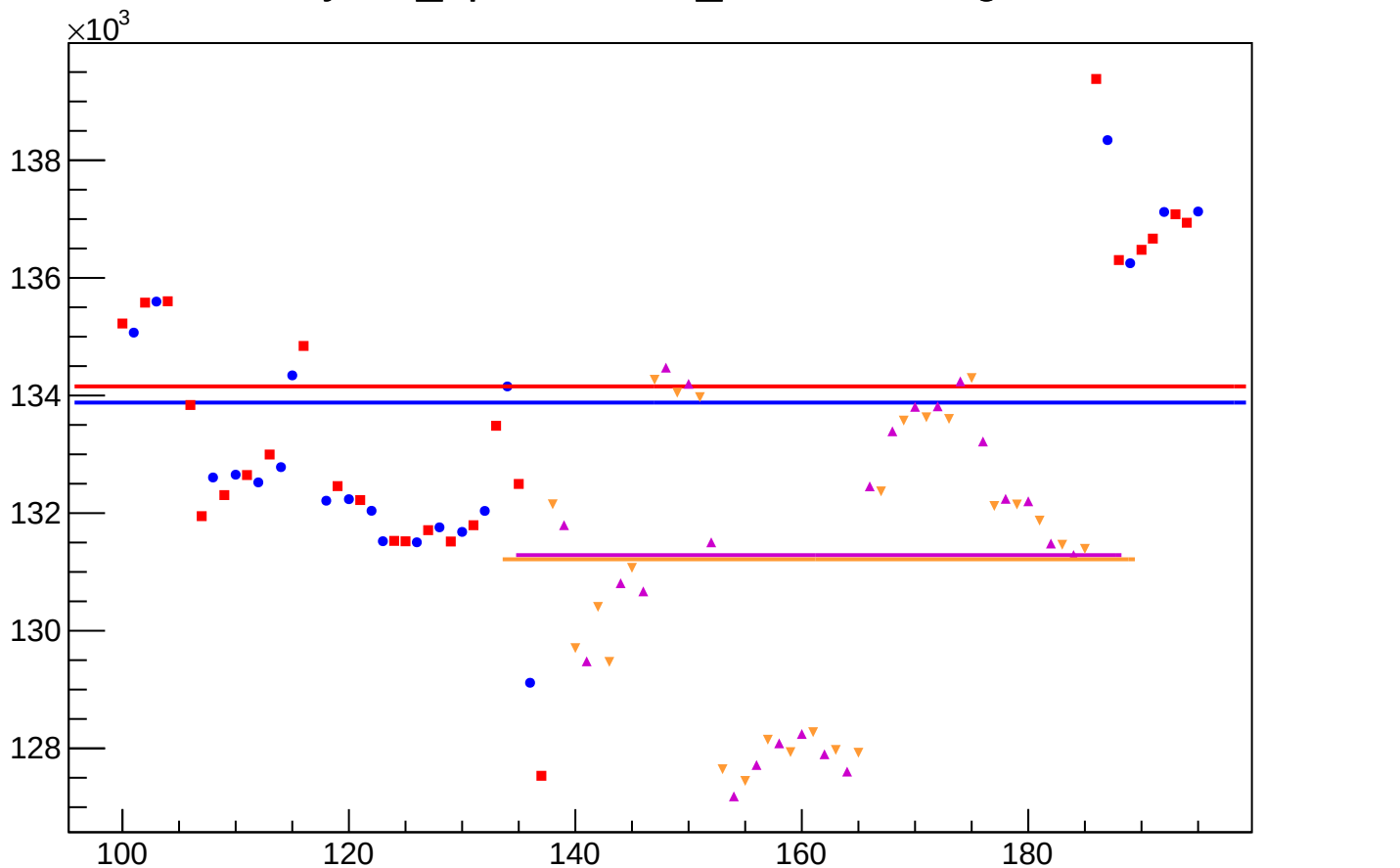
Left In: 297.774 $\pm$ 0.052 χ^2 /NDF: 1061489.5/22

+ sign 282.686 $\pm$ 0.040 χ^2 /NDF: 2489383.2/45

All: 285.487 $\pm$ 0.028 χ^2 /NDF: 5518786.7/93

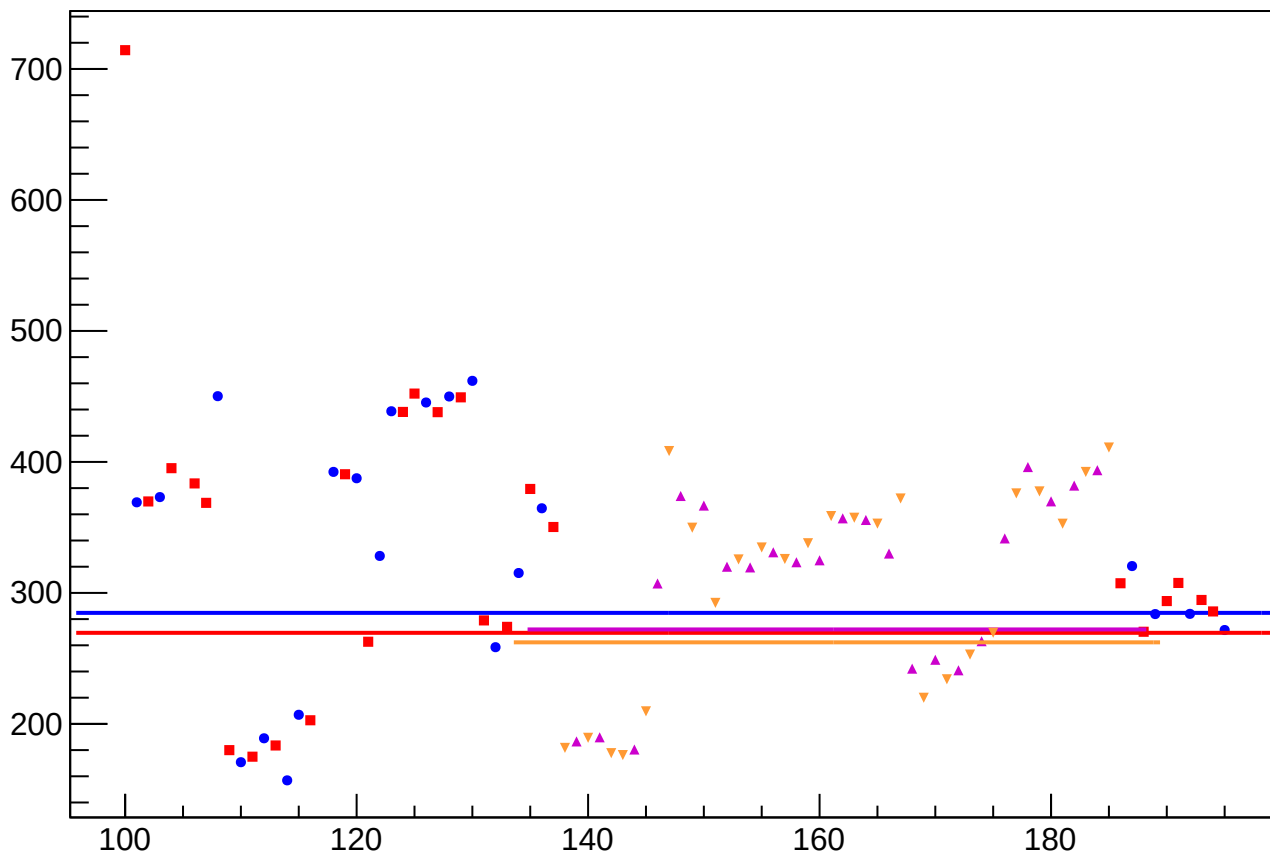
- sign 288.396 $\pm$ 0.040 χ^2 /NDF: 3019207.4/47

yield_bpm0r05WS_mean vs Slug



Right In: 133879.977 ± 0.100	$\chi^2/\text{NDF}: 581640092.9/20$	+ sign 131992.506 ± 0.054	$\chi^2/\text{NDF}: 2255988026.9/20$
Left Out: 131214.985 ± 0.064	$\chi^2/\text{NDF}: 1173424494.6/24$	All: 132176.624 ± 0.038	$\chi^2/\text{NDF}: 464839317.1/24$
Right Out: 134155.058 ± 0.088	$\chi^2/\text{NDF}: 652764001.1/24$	- sign 132360.193 ± 0.054	$\chi^2/\text{NDF}: 2369297644.1/24$
Left In: 131285.623 ± 0.068	$\chi^2/\text{NDF}: 1056232192.1/22$		

yield_bpm0r05WS_rms vs Slug



Right In: 284.760 $\pm$ 0.071 χ^2 /NDF: 1521817.3/20

Left Out: 262.260 $\pm$ 0.045 χ^2 /NDF:2818169.1/24

Right Out: 269.526 $\pm$ 0.062 χ^2 /NDF: 1666170.2/24

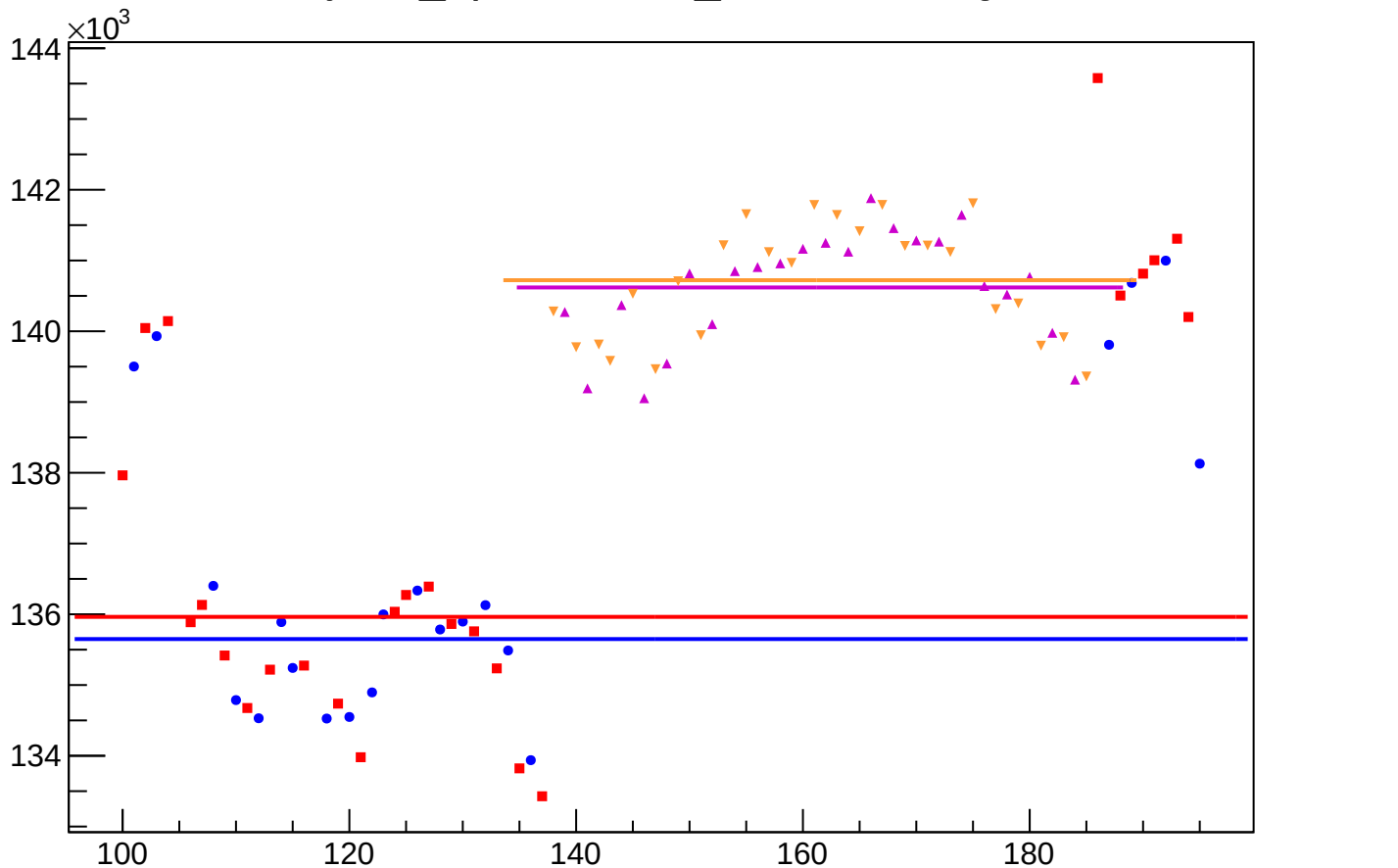
Left In: 272.115 $\pm$ 0.048 χ^2 /NDF:2221925.0/22

+ sign 268.824 $\pm$ 0.038 χ^2 /NDF: 4411399.5/45

All: 269.986 $\pm$ 0.027 χ^2 /NDF: 8302411.2/93

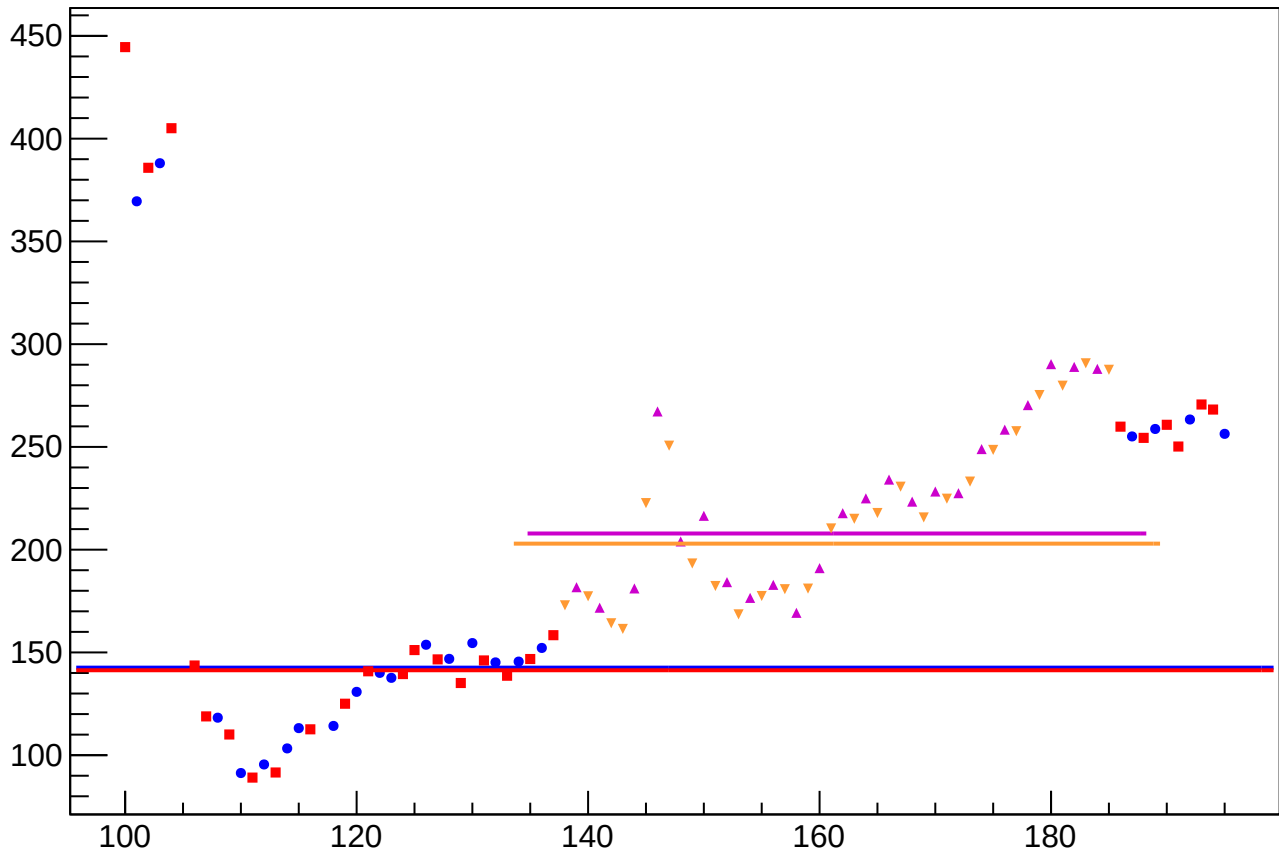
- sign 271.145 $\pm$ 0.038 χ^2 /NDF: 3889169.9/47

yield_bpm0i02WS_mean vs Slug



Right In: 135649.727 ± 0.052 $\chi^2/\text{NDF}: 1105801444.0/20$ $+ \text{sign } 138357.807 \pm 0.035$ $\chi^2/\text{NDF}: 6470226963.8$
 Left Out: 140721.823 ± 0.048 $\chi^2/\text{NDF}: 247257762.8/24$ All: 138253.745 ± 0.025 $\chi^2/\text{NDF}: 12931663$
 Right Out: 135963.415 ± 0.048 $\chi^2/\text{NDF}: 1842337616.5/24$ $- \text{sign } 138151.714 \pm 0.035$ $\chi^2/\text{NDF}: 6444294220.5/$
 Left In: 140619.038 ± 0.051 $\chi^2/\text{NDF}: 200370178.0/22$

yield_bpm0i02WS_rms vs Slug



Right In: 142.596 $\pm$ 0.037 χ^2 /NDF: 2427951.6/20

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

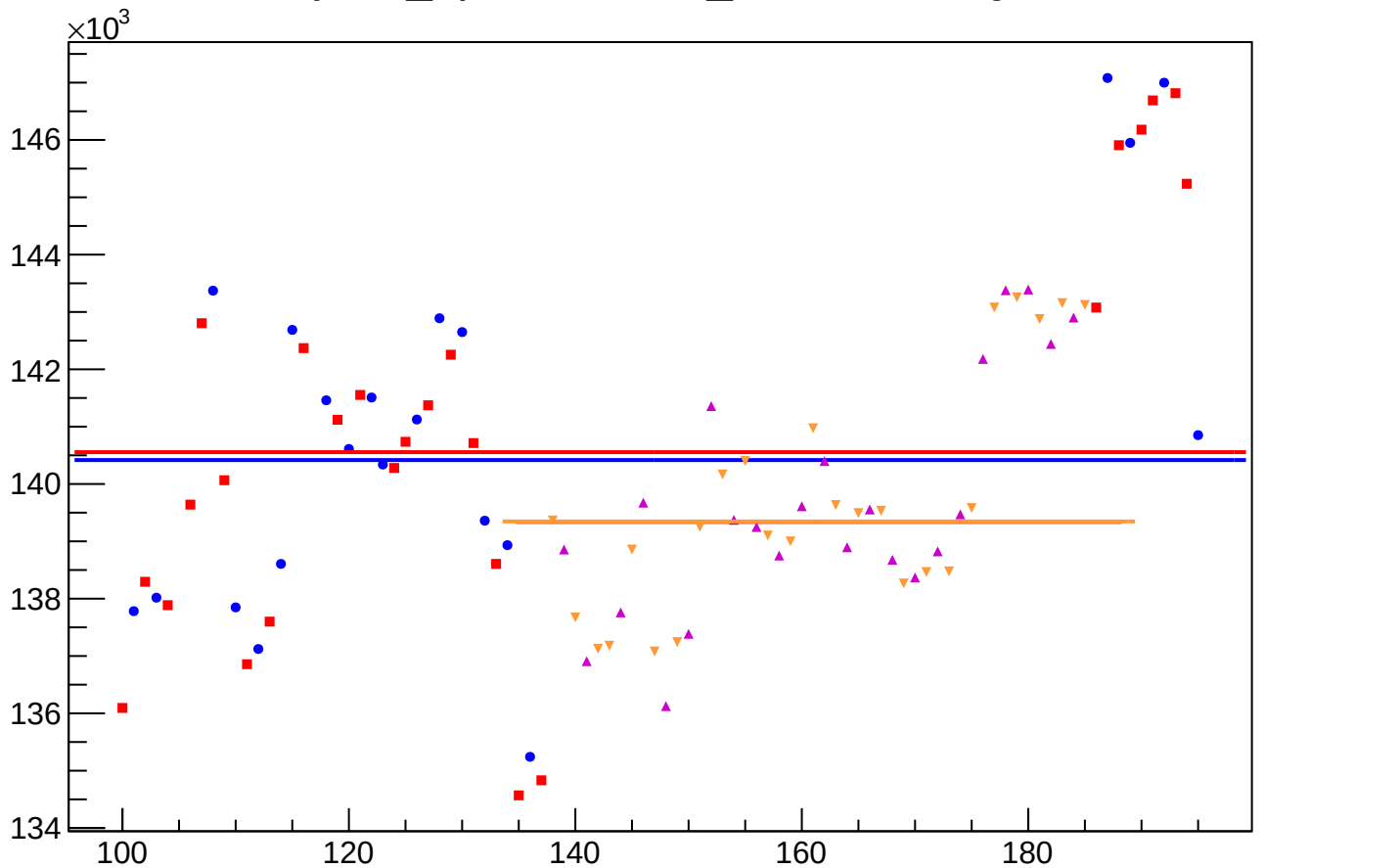
Left In: 207.872 $\pm$ 0.036 χ^2 /NDF:949200.3/22

+ sign 174.811 $\pm$ 0.025 χ^2 /NDF: 4928580.6/45

All: 173.697 $\pm$ 0.018 χ^2 /NDF: 10757268.3/93

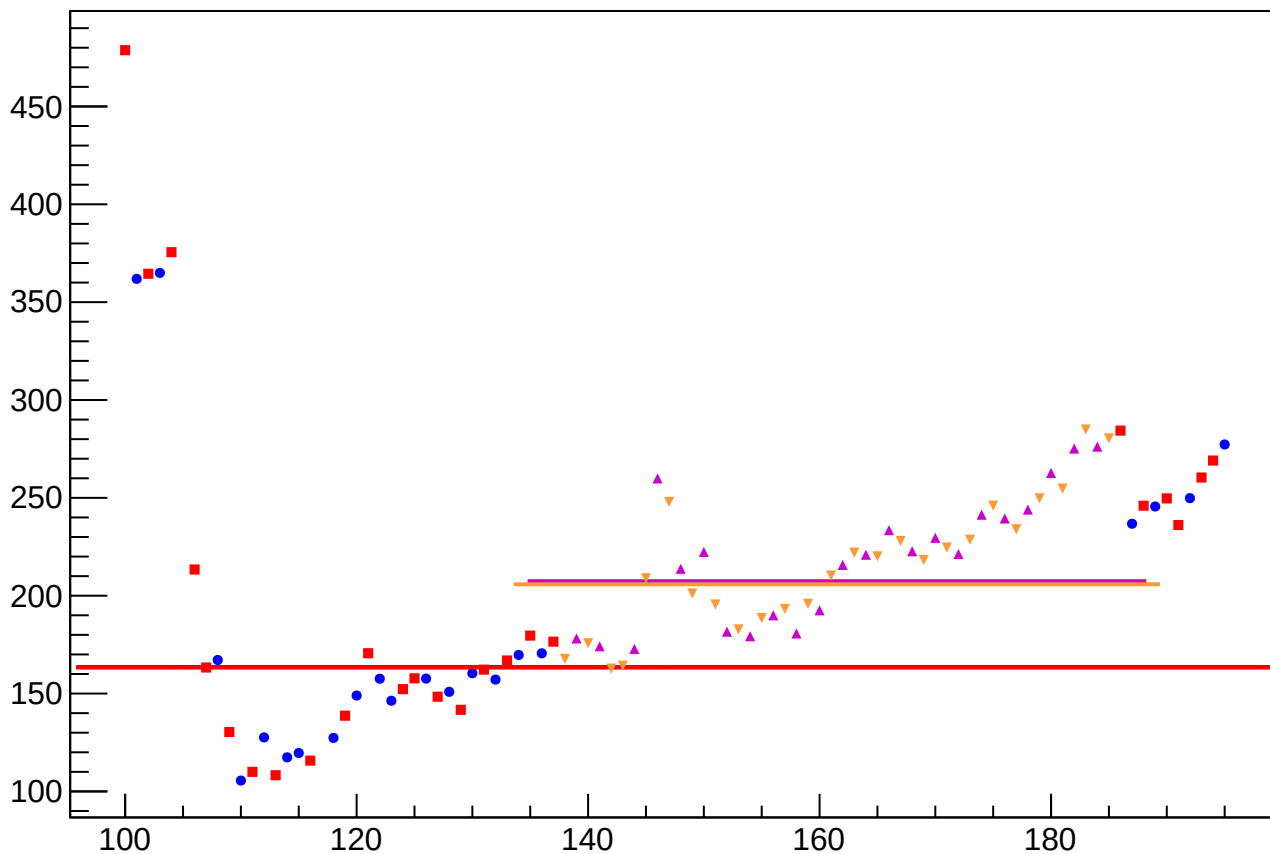
- sign 172.605 $\pm$ 0.025 χ^2 /NDF: 5824757.0/47

yield_bpm0i02aWS_mean vs Slug



Right In: 140417.425 $\pm$ 0.058 χ^2 /NDF: 2755457144.2/20
 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: 139848.561 $\pm$ 0.026 χ^2 /NDF: 899748283.5/24
 + sign 139790.532 $\pm$ 0.037 χ^2 /NDF: 4224899525.1/24
 - sign 139905.590 $\pm$ 0.037 χ^2 /NDF: 4767826556.9/24

yield_bpm0i02aWS_rms vs Slug



Right In: 163.499 $\pm$ 0.041 χ^2 /NDF: 1761429.9/20

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

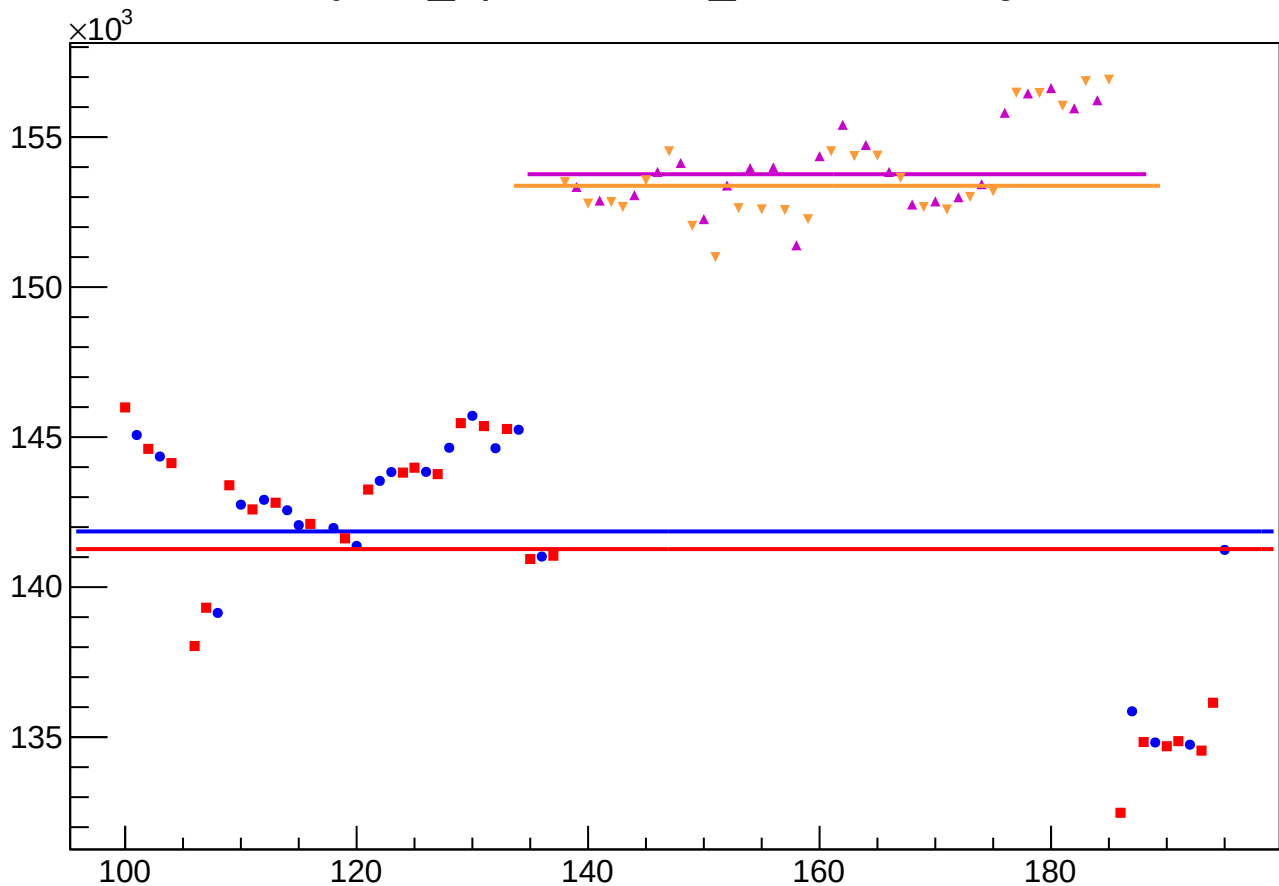
Left In: 207.416 $\pm$ 0.036 χ^2 /NDF: 701955.3/22

+ sign 188.283 $\pm$ 0.026 χ^2 /NDF: 3119854.5/45

All: 187.568 $\pm$ 0.019 χ^2 /NDF: 6809908.8/93

- sign 186.866 $\pm$ 0.026 χ^2 /NDF: 3688613.1/47

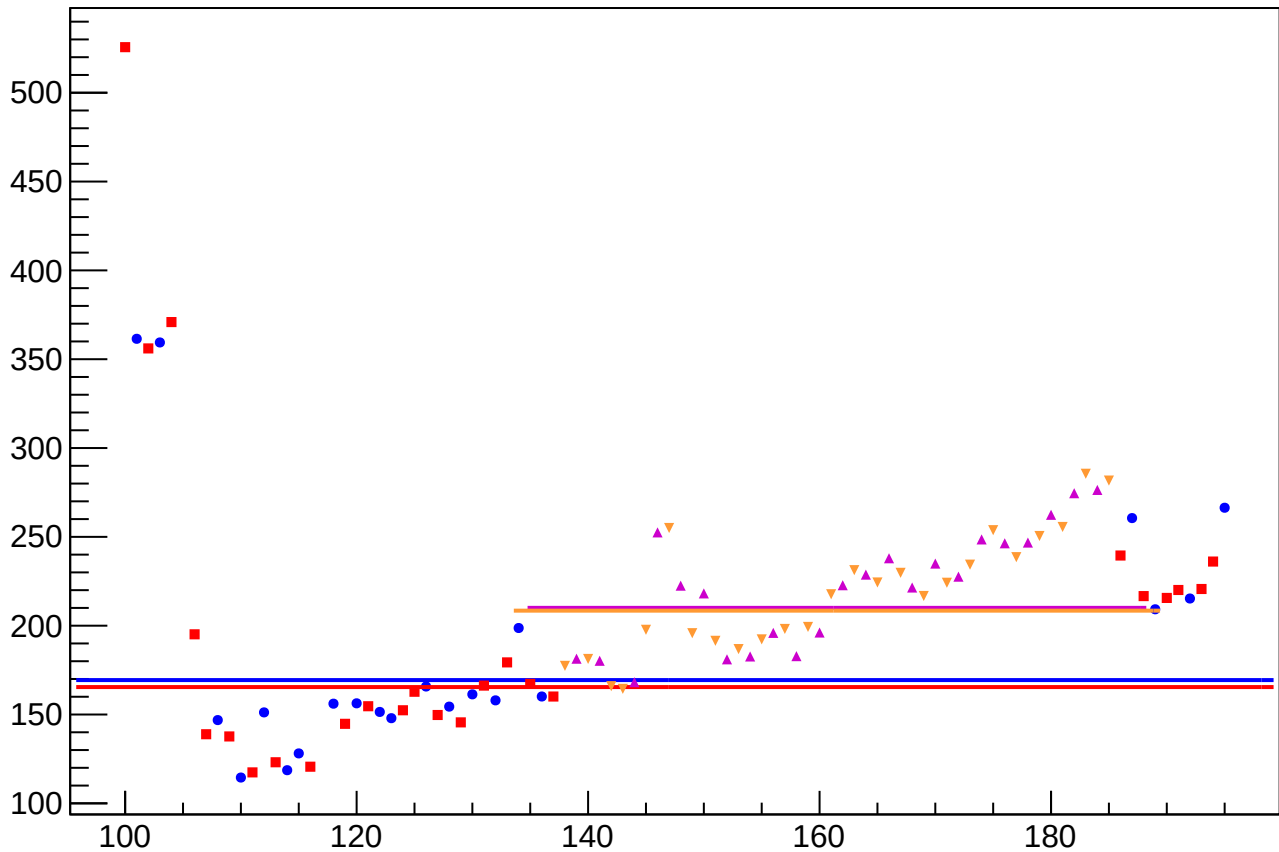
yield_bpm0i05WS_mean vs Slug



Right In: 141856.351+/-0.059 χ^2/NDF : 2580122990.9/20
 Left Out: 153376.698+/-0.050 χ^2/NDF : 803848095.1/24
 Right Out: 141267.425+/-0.054 χ^2/NDF : 4387574694.5/24
 Left In: 153762.419+/-0.051 χ^2/NDF : 635075685.0/22

+ sign 148660.194+/-0.037 χ^2/NDF : 25527542180.0
 All: 148237.715+/-0.027 χ^2/NDF : 587869333.0
 - sign 147832.318+/-0.037 χ^2/NDF : 33018043674.4

yield_bpm0i05WS_rms vs Slug



Right In: 169.383+/-0.042 χ^2/NDF : 1314462.9/20

Left Out: 208.466+/-0.035 χ^2/NDF : 720894.7/24

Right Out: 165.448+/-0.038 χ^2/NDF : 1591870.4/24

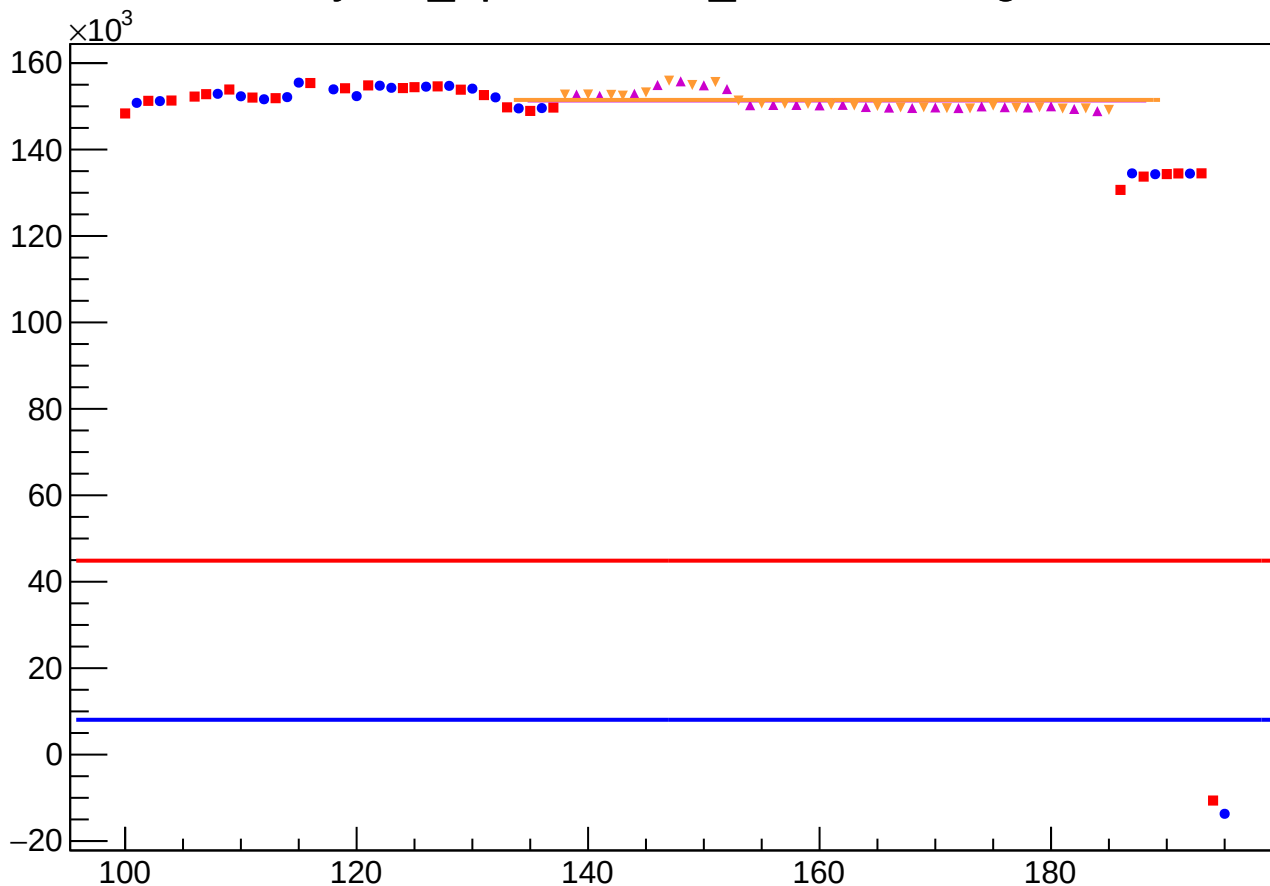
Left In: 210.038+/-0.036 χ^2/NDF : 702369.5/22

+ sign 192.465+/-0.027 χ^2/NDF : 2545062.6/45

All: 190.633+/-0.019 χ^2/NDF : 5561402.9/93

- sign 188.876+/-0.026 χ^2/NDF : 3007267.0/47

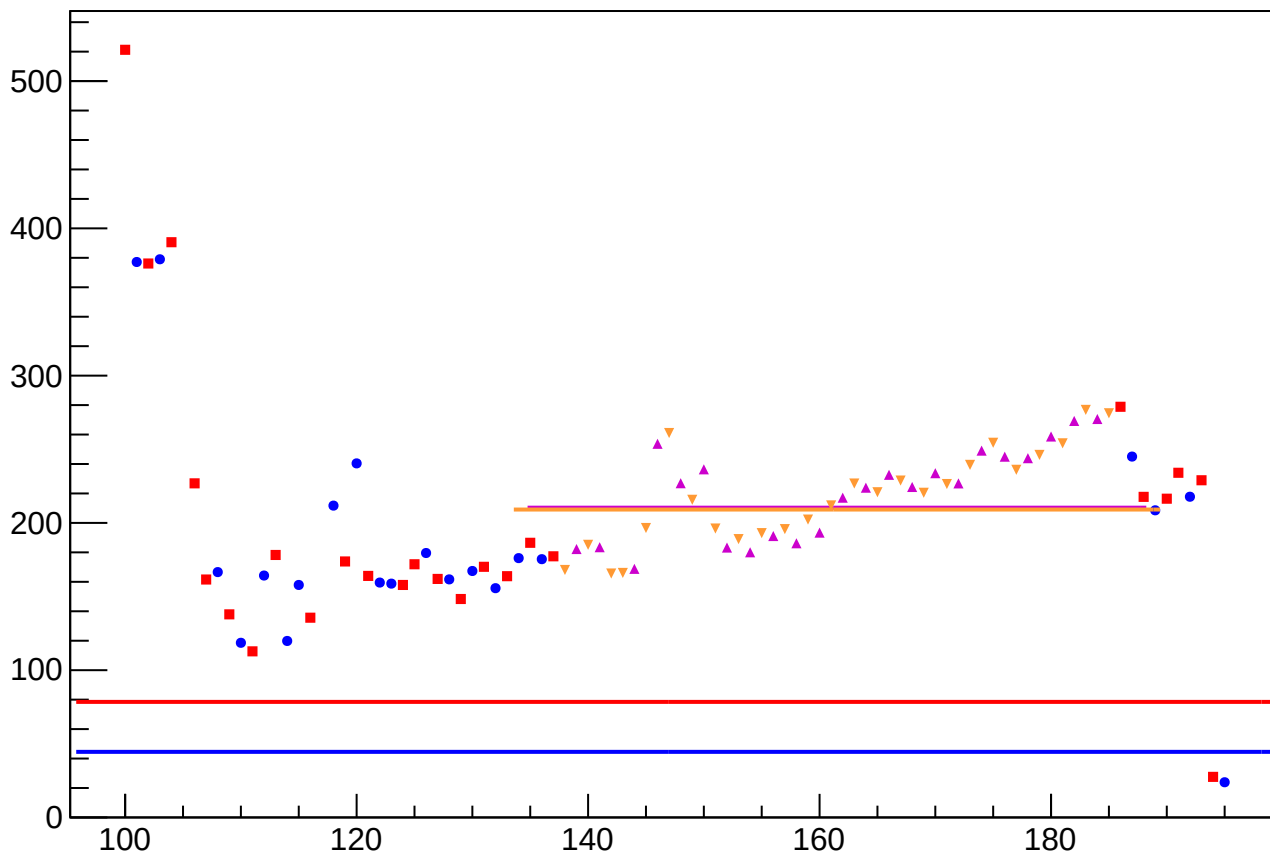
yield_bpm0i07WS_mean vs Slug



Right In: 8057.792 ± 0.024 $\chi^2/\text{NDF}: 5211412547035.7/20$
 Left Out: 151483.385 ± 0.050 $\chi^2/\text{NDF}: 1481910066.9/24$
 Right Out: 44874.990 ± 0.035 $\chi^2/\text{NDF}: 4649762935075.0/24$
 Left In: 151363.165 ± 0.051 $\chi^2/\text{NDF}: 1421662089.0/22$

+ sign 36001.622 ± 0.022 $\chi^2/\text{NDF}: 1196650643165$
 All: 51522.888 ± 0.017 $\chi^2/\text{NDF}: 209299786$
 - sign 79133.125 ± 0.029 $\chi^2/\text{NDF}: 7562406566694$

yield_bpm0i07WS_rms vs Slug



Right In: 44.544+/-0.017 χ^2/NDF : 10421543.9/20

Left Out: 209.076+/-0.035 χ^2/NDF : 708260.3/24

Right Out: 78.472+/-0.025 χ^2/NDF : 9206035.6/24

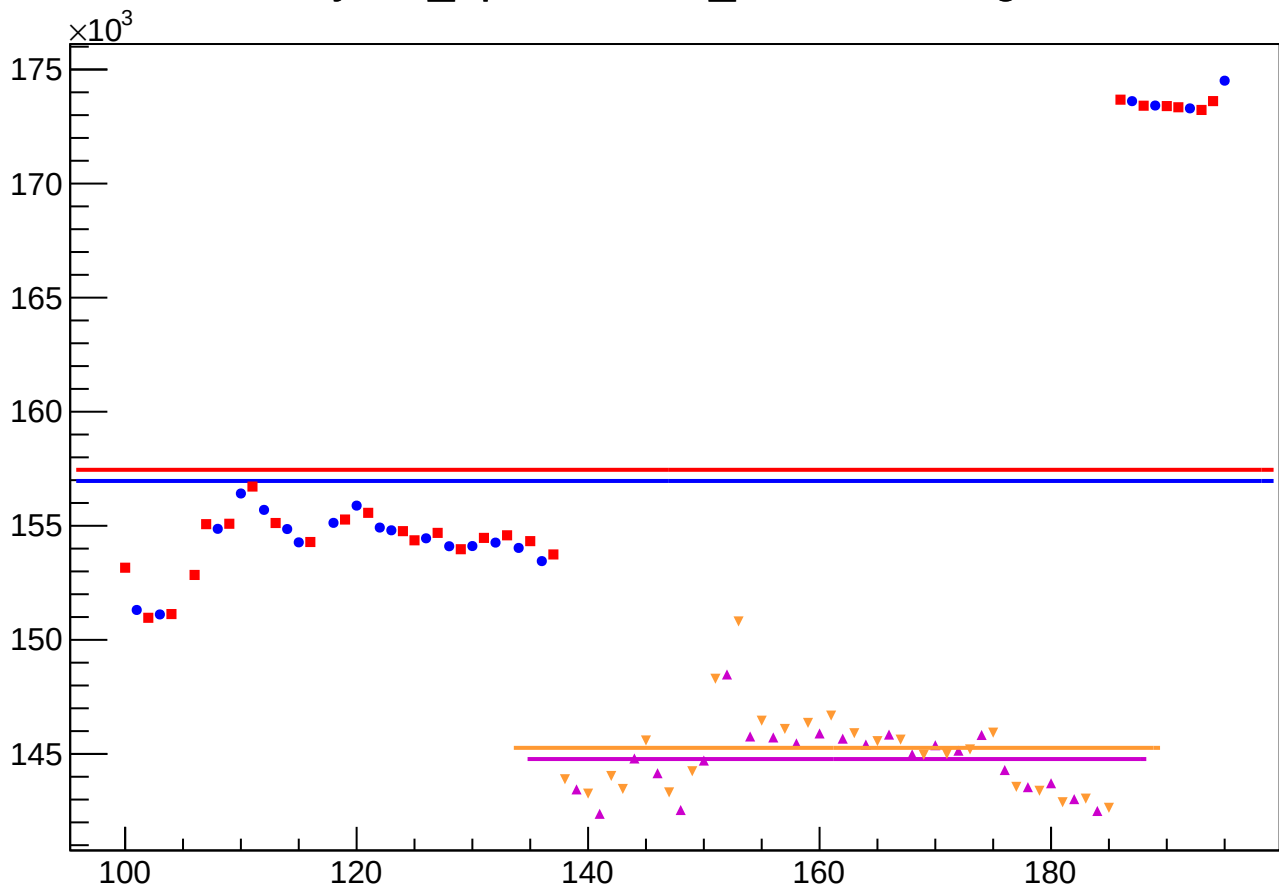
Left In: 210.345+/-0.036 χ^2/NDF : 677747.7/22

+ sign 76.600+/-0.015 χ^2/NDF : 28904875.8/45

All: 92.541+/-0.012 χ^2/NDF : 50673399.7/93

- sign 120.896+/-0.021 χ^2/NDF : 18813020.6/47

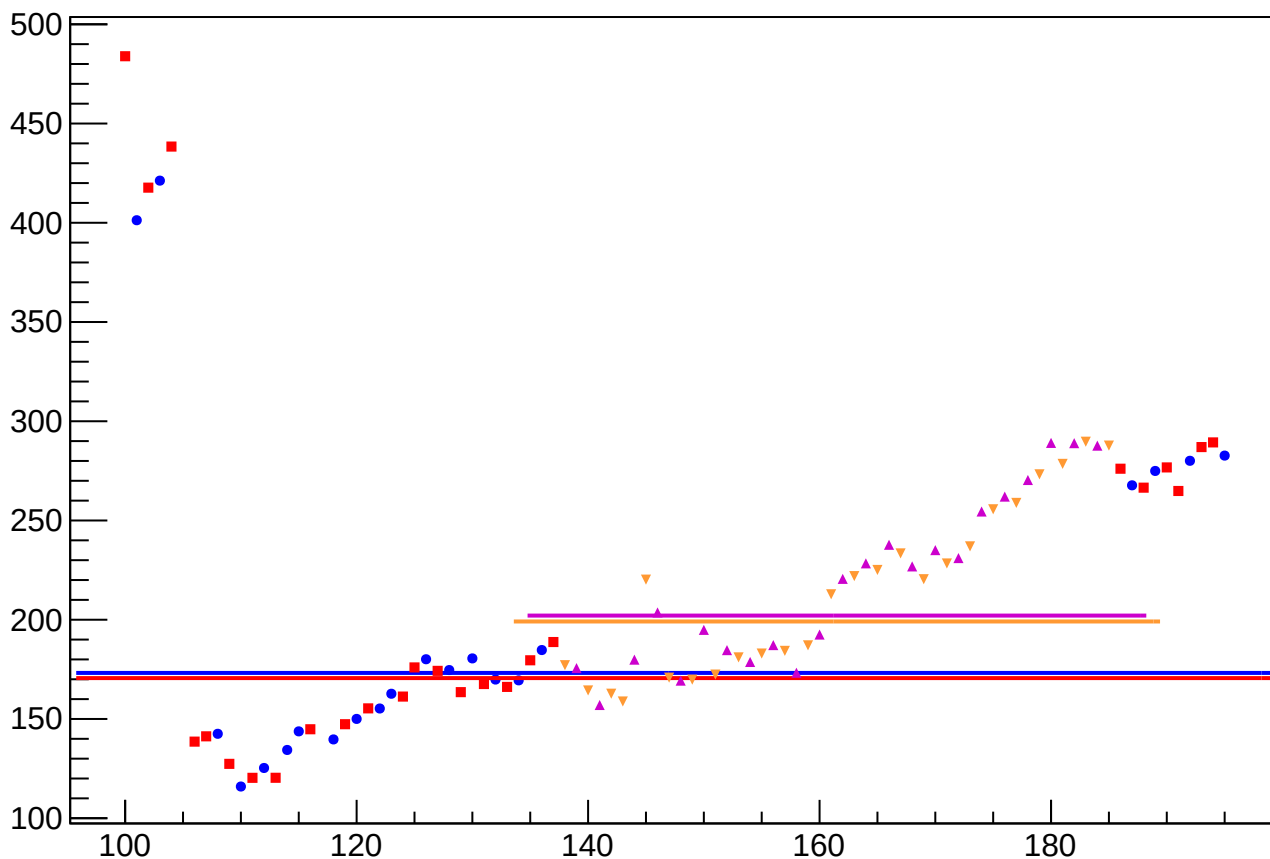
yield_bpm1i02WS_mean vs Slug



Right In: 156964.923 $\pm$ 0.062 χ^2 /NDF: 9922978124.2/20
 Left Out: 145266.717 $\pm$ 0.047 χ^2 /NDF: 1717707352.7/24
 Right Out: 157453.813 $\pm$ 0.056 χ^2 /NDF: 13507755786.1/24
 Left In: 144776.016 $\pm$ 0.050 χ^2 /NDF: 918120275.4/22

+ sign 149616.777 $\pm$ 0.038 χ^2 /NDF: 34296171670.0
 All: 149959.389 $\pm$ 0.026 χ^2 /NDF: 773796718.0
 - sign 150296.126 $\pm$ 0.037 χ^2 /NDF: 42918533551.9

yield_bpm1i02WS_rms vs Slug



Right In: 173.200 $\pm$ 0.044 χ^2 /NDF: 1899282.6/20

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

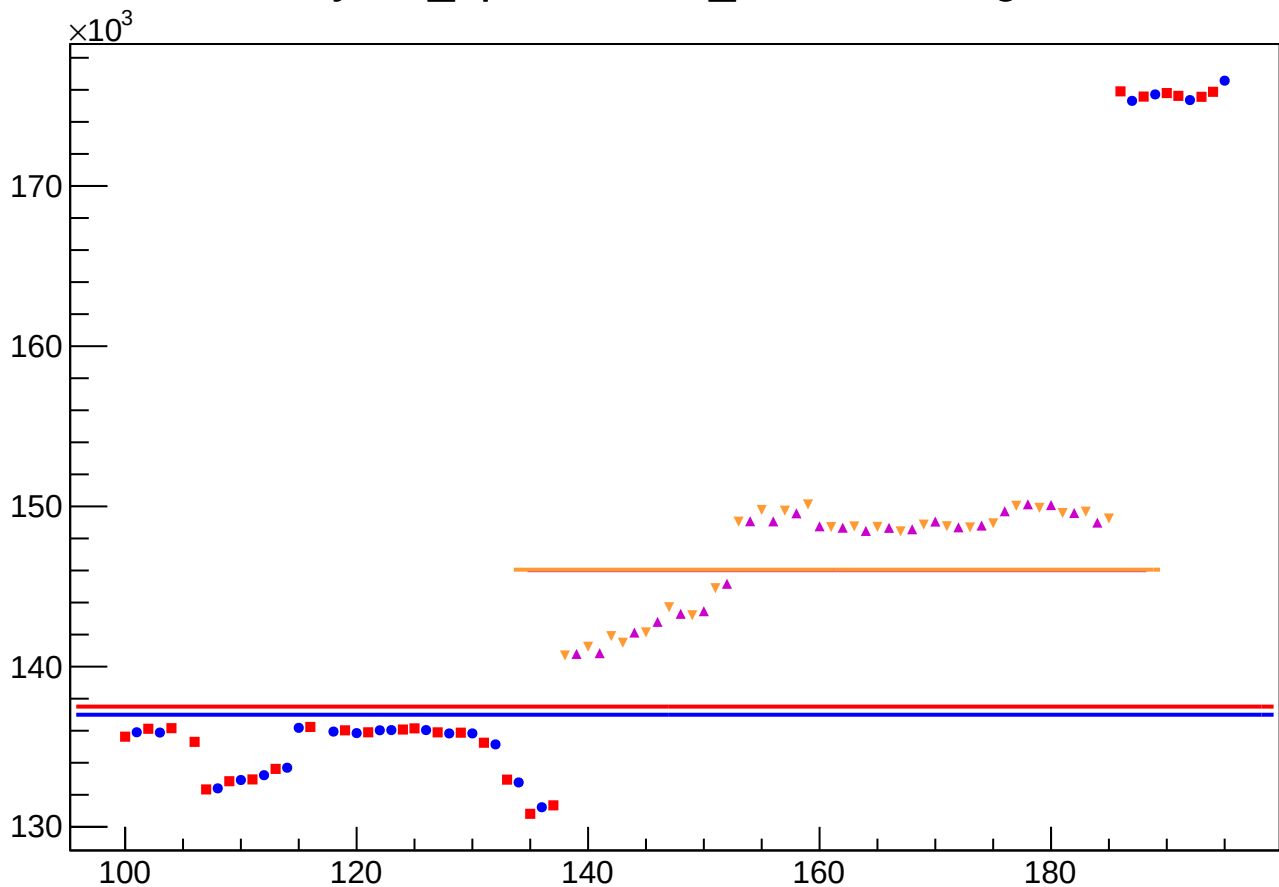
Left In: 202.090 $\pm$ 0.035 χ^2 /NDF:1057833.2/22

+ sign 189.480 $\pm$ 0.027 χ^2 /NDF: 3273939.3/45

All: 188.923 $\pm$ 0.019 χ^2 /NDF: 7049105.6/93

- sign 188.375 $\pm$ 0.026 χ^2 /NDF: 3774294.0/47

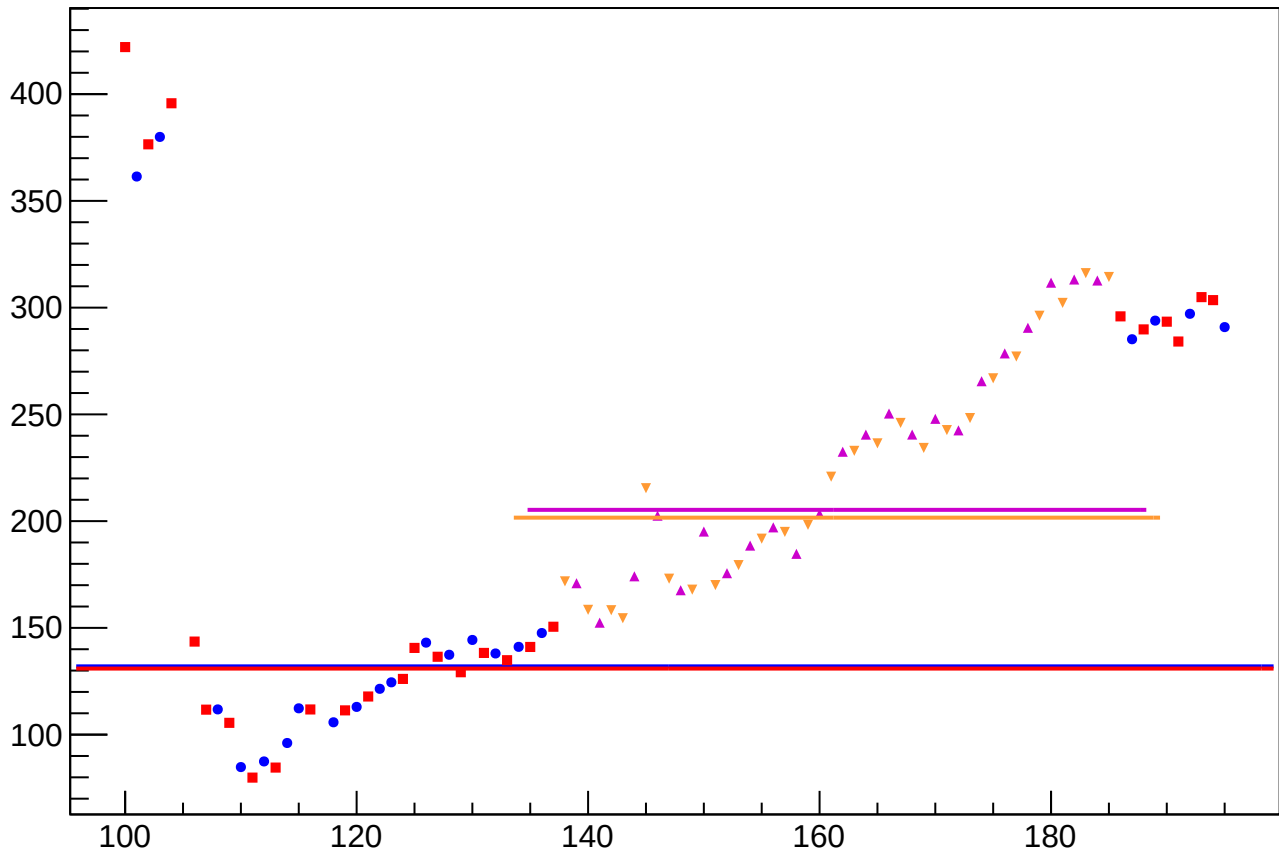
yield_bpm1i04WS_mean vs Slug



Right In: 136997.995 ± 0.049 $\chi^2/\text{NDF}: 45353973585.5/20$
 Left Out: 146051.733 ± 0.048 $\chi^2/\text{NDF}: 5403300123.1/24$
 Right Out: 137505.308 ± 0.045 $\chi^2/\text{NDF}: 62977991667.6/24$
 Left In: 146020.015 ± 0.051 $\chi^2/\text{NDF}: 4591425371.4/22$

+ sign 141564.820 ± 0.034 $\chi^2/\text{NDF}: 68167547125.$
 All: 141432.445 ± 0.024 $\chi^2/\text{NDF}: 151418219$
 - sign 141303.713 ± 0.034 $\chi^2/\text{NDF}: 83221304700.4$

yield_bpm1i04WS_rms vs Slug



Right In: 131.975 $\pm$ 0.034 χ^2 /NDF: 2991991.7/20

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

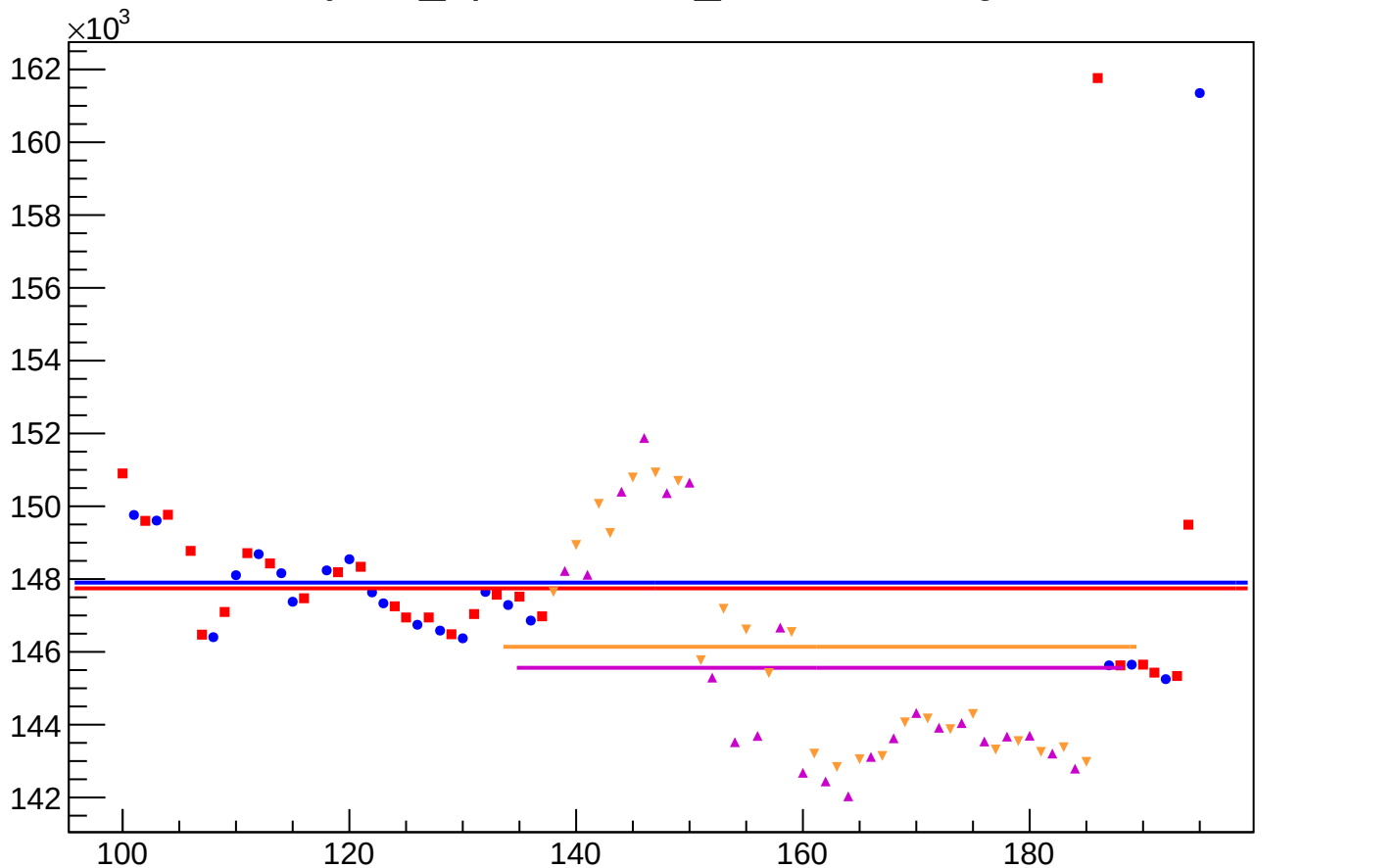
Left In: 205.286 $\pm$ 0.036 χ^2 /NDF:1425292.7/22

+ sign 167.111 $\pm$ 0.024 χ^2 /NDF: 6642694.6/45

All: 165.588 $\pm$ 0.017 χ^2 /NDF: 14325519.2/93

- sign 164.107 $\pm$ 0.024 χ^2 /NDF: 7675050.7/47

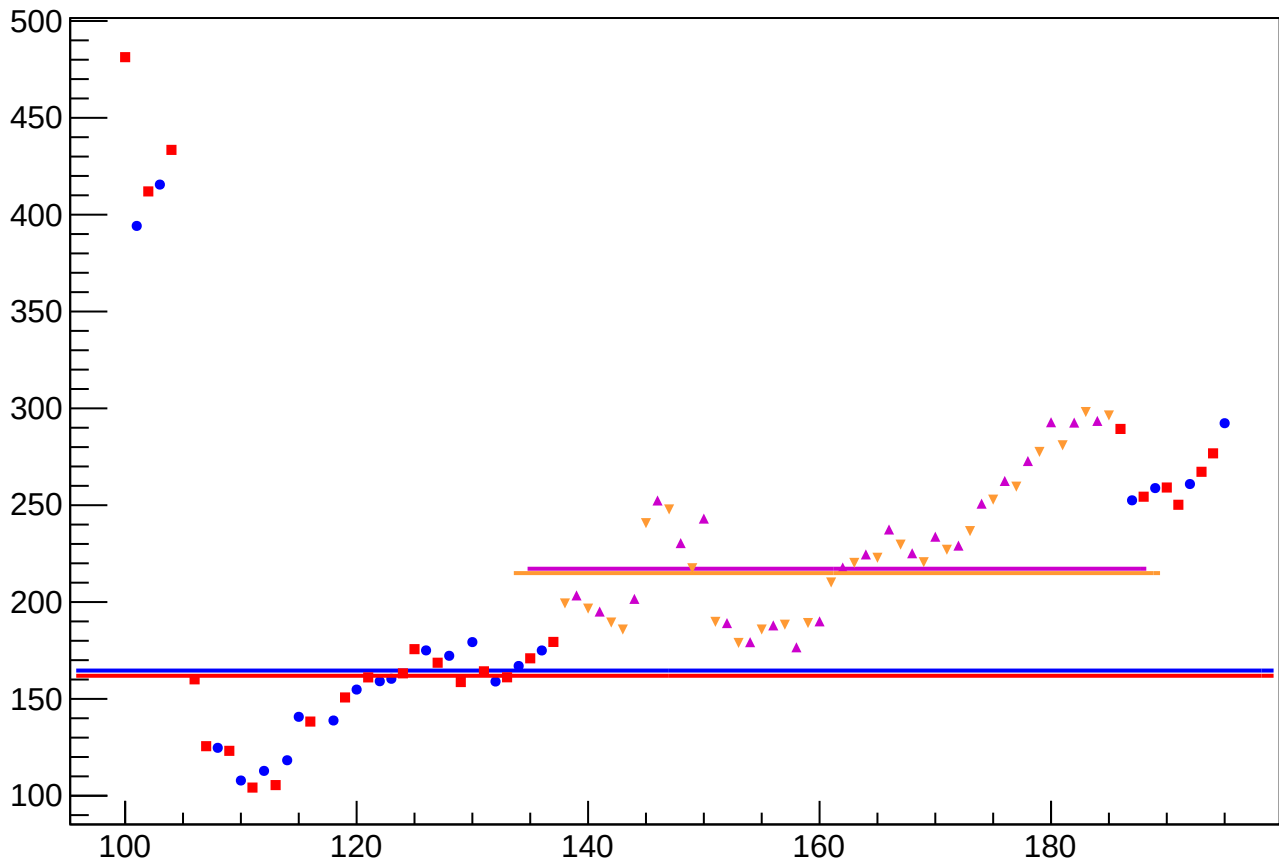
yield_bpm1i06WS_mean vs Slug



Right In: 147902.609 ± 0.059 $\chi^2/\text{NDF}: 2099866617.3/20$
 Left Out: 146139.326 ± 0.051 $\chi^2/\text{NDF}: 2699546907.6/24$
 Right Out: 147744.547 ± 0.054 $\chi^2/\text{NDF}: 1290659168.3/24$
 Left In: 145562.386 ± 0.053 $\chi^2/\text{NDF}: 3054641996.0/22$

+ sign 146892.455 ± 0.039 $\chi^2/\text{NDF}: 5311875913.8$
 All: 146760.618 ± 0.027 $\chi^2/\text{NDF}: 10509969$
 - sign 146633.253 ± 0.038 $\chi^2/\text{NDF}: 5175074656.2$

yield_bpm1i06WS_rms vs Slug



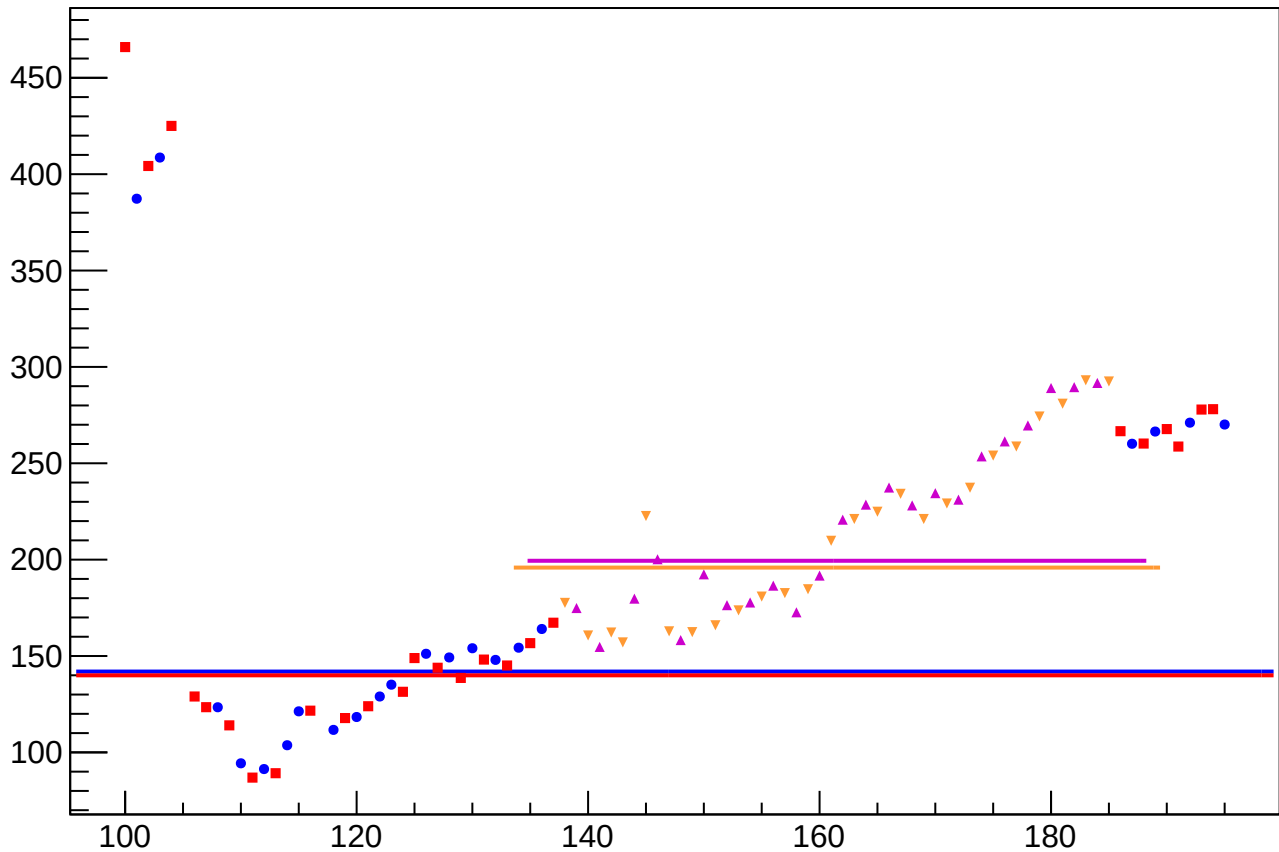
Right In: 164.631 $\pm$ 0.042	χ^2 /NDF: 2072929.0/20	+ sign 193.455 $\pm$ 0.027	χ^2 /NDF: 3635937.8/45
Left Out: 214.945 $\pm$ 0.036	χ^2 /NDF: 728515.5/24	All: 191.741 $\pm$ 0.019	χ^2 /NDF: 8068942.0/93
Right Out: 161.943 $\pm$ 0.038	χ^2 /NDF: 2596155.1/24	- sign 190.085 $\pm$ 0.027	χ^2 /NDF: 4425220.9/47
Left In: 217.203 $\pm$ 0.038	χ^2 /NDF: 764798.3/22		

yield_bpm2i01WS_mean vs Slug



Right In: 131905.122 $\pm$ 0.052 χ^2 /NDF: 63418619384.6/20
 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 130145.231 $\pm$ 0.035 χ^2 /NDF: 65860103217.
 All: 130455.895 $\pm$ 0.024 χ^2 /NDF: 158439133.
 - sign 130757.040 $\pm$ 0.034 χ^2 /NDF: 92421017725.5

yield_bpm2i01WS_rms vs Slug



Right In: 141.935 $\pm$ 0.037 χ^2 /NDF: 2637206.7/20

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

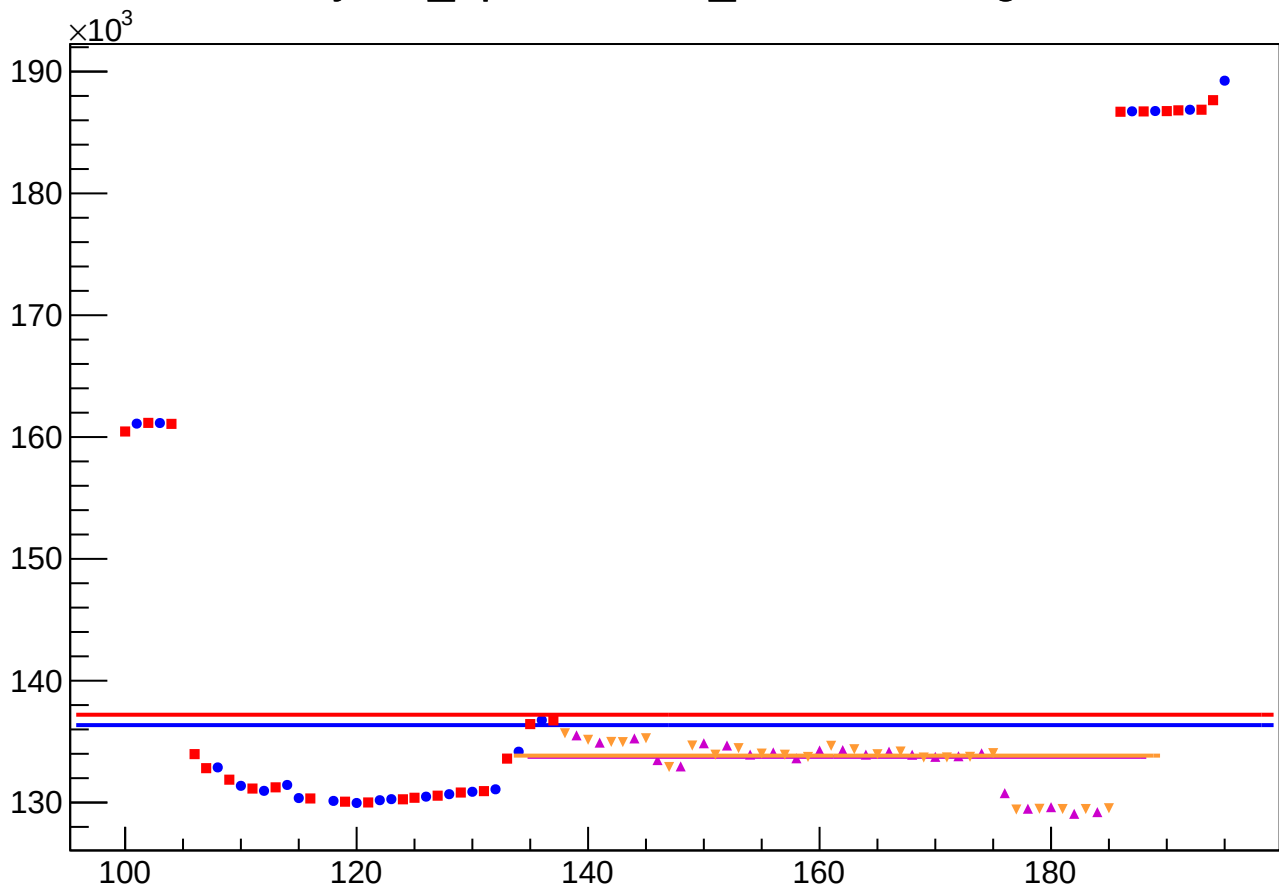
Left In: 199.413 $\pm$ 0.035 χ^2 /NDF:1165698.7/22

+ sign 171.692 $\pm$ 0.025 χ^2 /NDF: 5147488.1/45

All: 170.248 $\pm$ 0.017 χ^2 /NDF: 11132825.6/93

- sign 168.848 $\pm$ 0.024 χ^2 /NDF: 5978511.5/47

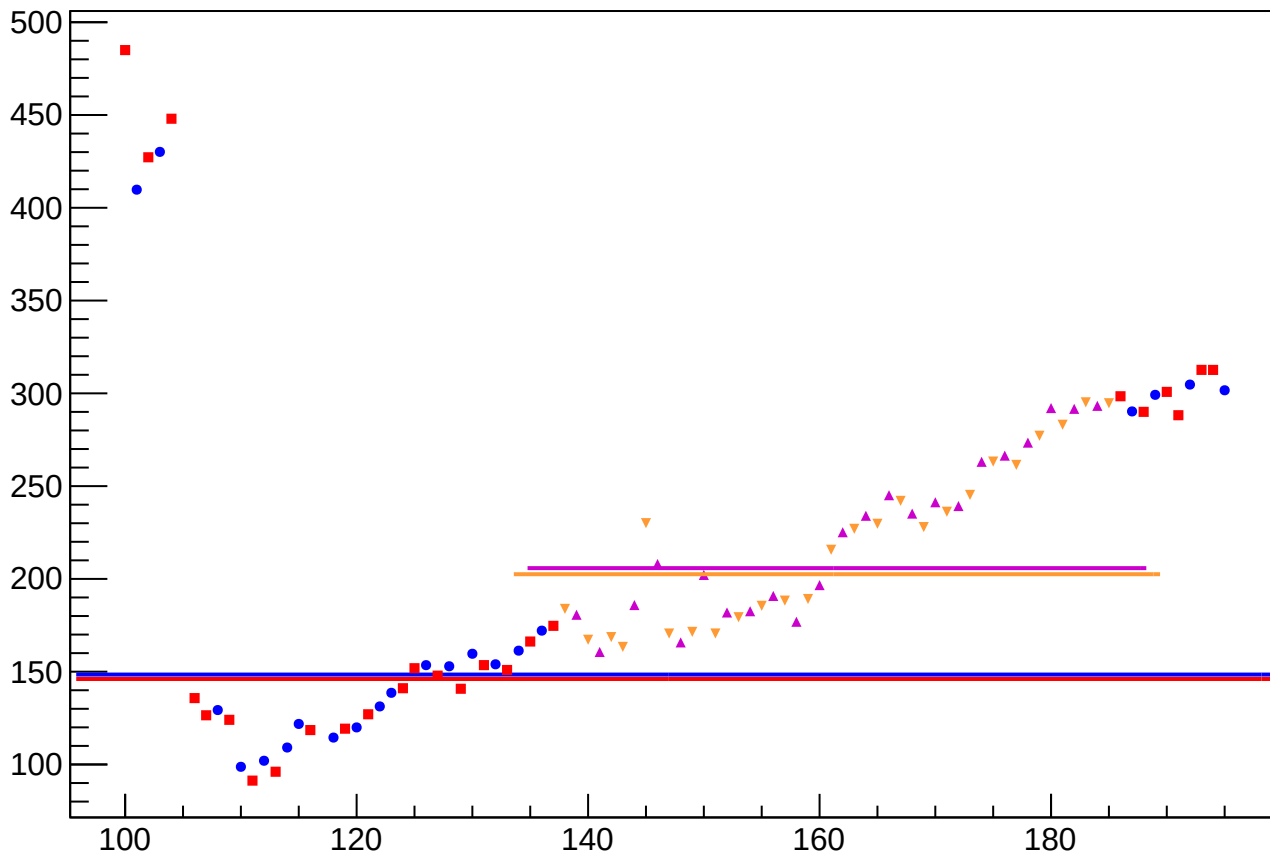
yield_bpm2i02WS_mean vs Slug



Right In: 136354.589 $\pm$ 0.054 χ^2 /NDF: 80725985479.9/20
 Left Out: 133850.586 $\pm$ 0.048 χ^2 /NDF: 1080107831.1/24
 Right Out: 137207.371 $\pm$ 0.050 χ^2 /NDF: 108775858390.9/24
 Left In: 133749.630 $\pm$ 0.051 χ^2 /NDF: 954069486.7/22

+ sign 134952.467 $\pm$ 0.036 χ^2 /NDF: 82992680260.
 All: 135228.380 $\pm$ 0.025 χ^2 /NDF: 195204264
 - sign 135496.007 $\pm$ 0.036 χ^2 /NDF: 112096403281

yield_bpm2i02WS_rms vs Slug



Right In: 148.450 $\pm$ 0.038 χ^2 /NDF: 2759304.9/20

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

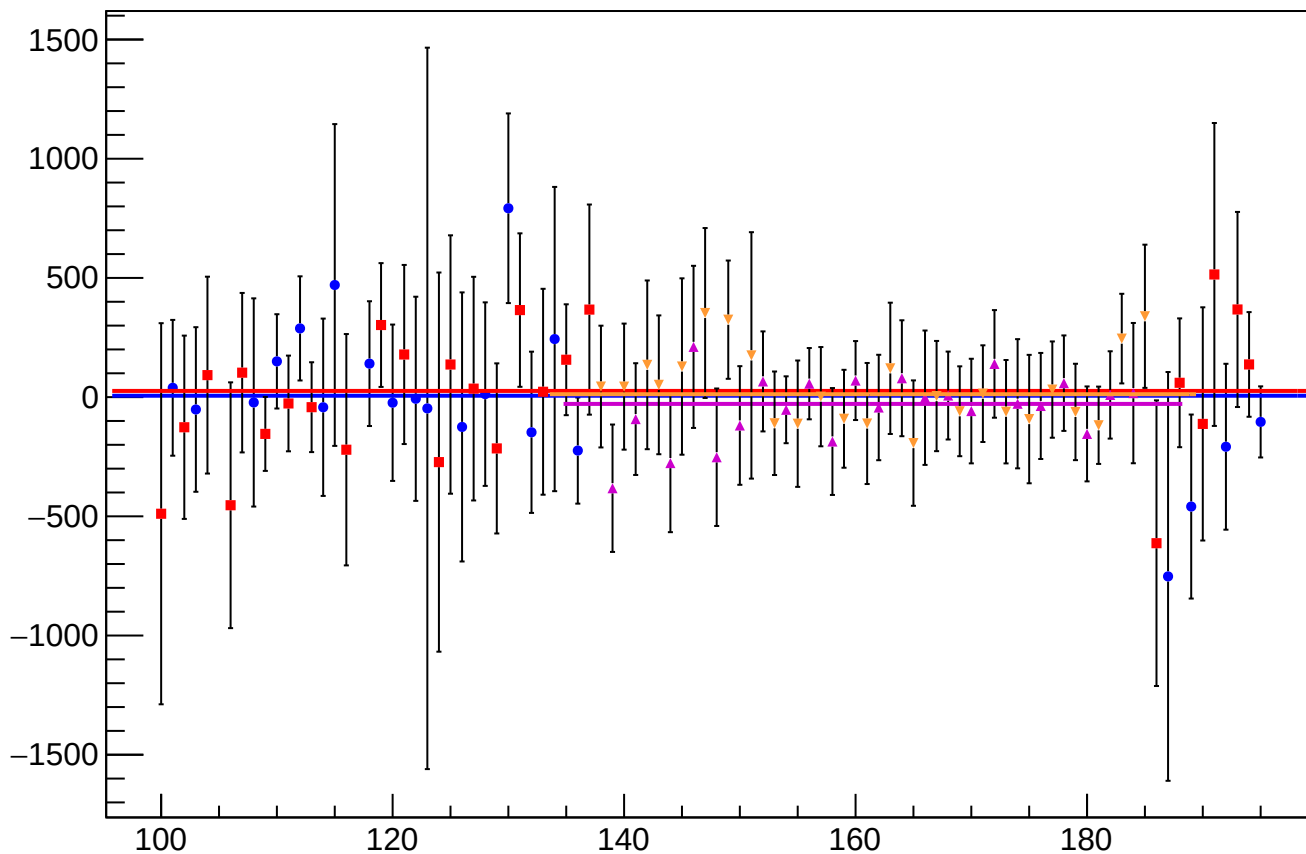
Left In: 205.808 $\pm$ 0.036 χ^2 /NDF:1094330.7/22

+ sign 178.731 $\pm$ 0.026 χ^2 /NDF: 5078138.4/45

All: 177.158 $\pm$ 0.018 χ^2 /NDF: 11108123.9/93

- sign 175.632 $\pm$ 0.025 χ^2 /NDF: 6022499.4/47

asym_bcm_an_ds_mean vs Slug



Right In: 5.874 ± 67.331 χ^2/NDF : 11.5/20

Left Out: 12.180 ± 47.531 χ^2/NDF : 8.6/24

Right Out: 26.044 ± 62.809 χ^2/NDF : 10.1/24

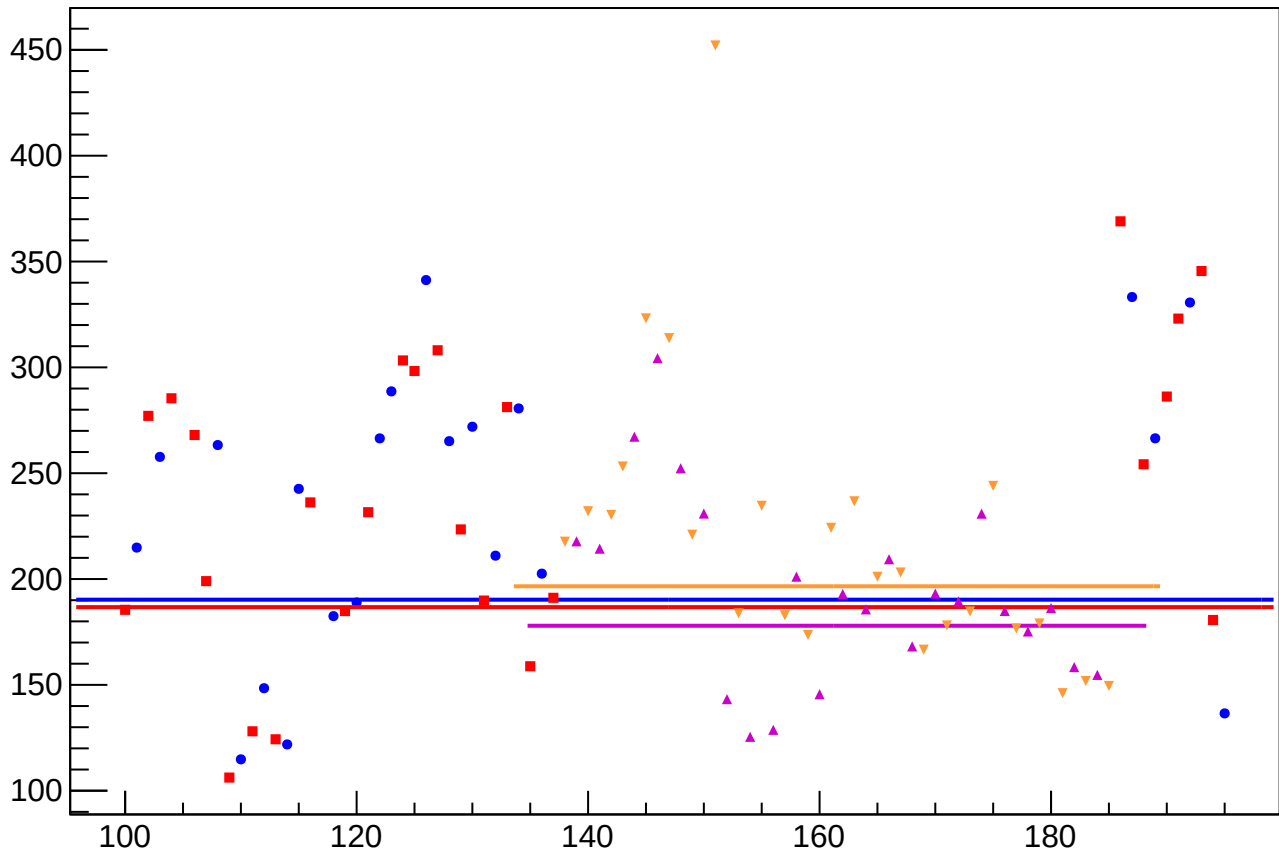
Left In: -28.452 ± 44.688 χ^2/NDF : 6.7/22

+ sign 10.083 ± 38.830 χ^2/NDF : 20.1/45

All: -0.676 ± 26.561 χ^2/NDF : 37.5/93

- sign -10.136 ± 36.412 χ^2/NDF : 17.2/47

asym_bcm_an_ds_rms vs Slug



Right In: 190.247 $\pm$ 0.048 χ^2/NDF : 1740709.3/20

Left Out: 196.576 $\pm$ 0.034 χ^2/NDF : 1778719.0/24

Right Out: 186.736 $\pm$ 0.044 χ^2/NDF : 2450617.7/24

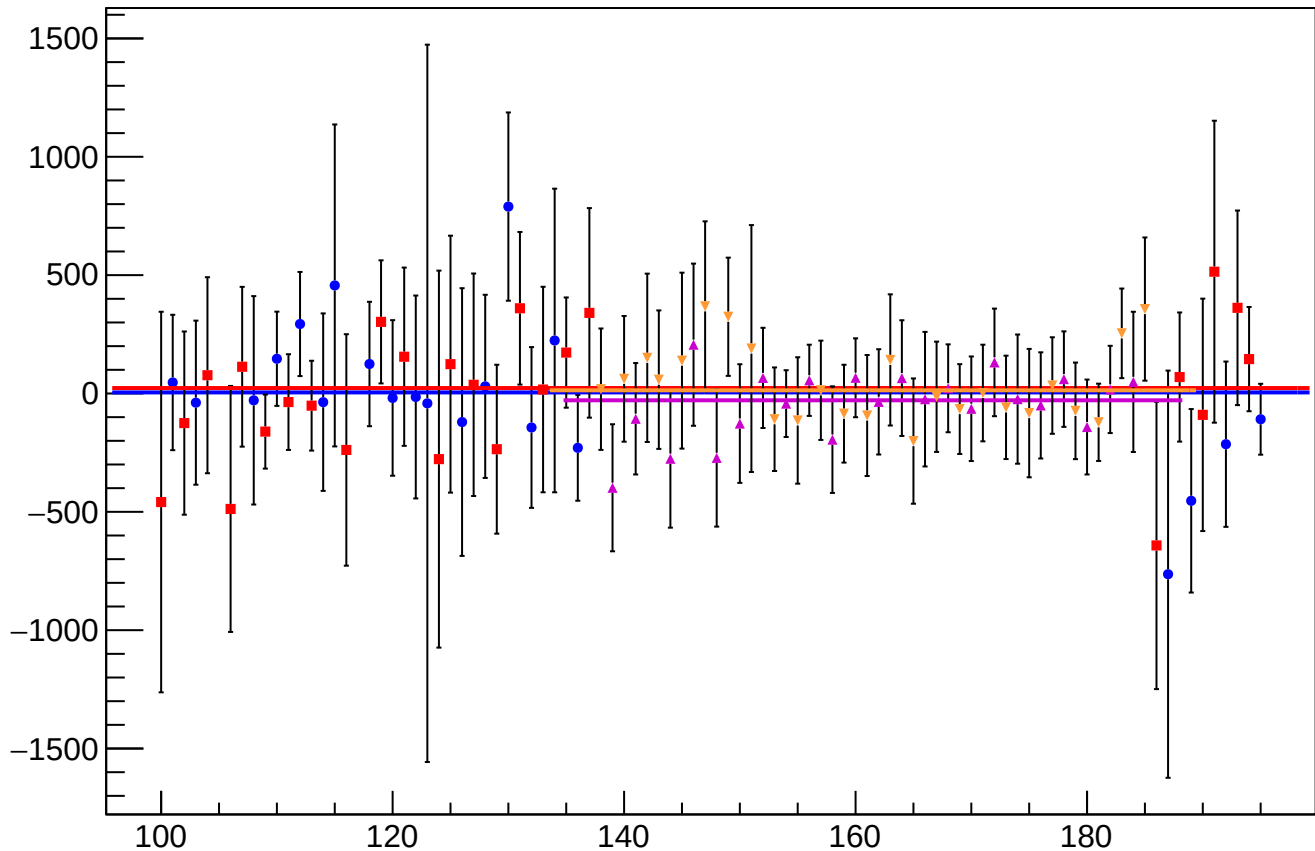
Left In: 177.933 $\pm$ 0.032 χ^2/NDF : 1605780.8/22

+ sign 194.471 $\pm$ 0.027 χ^2/NDF : 3531222.8/45

All: 187.245 $\pm$ 0.019 χ^2/NDF : 7743859.3/93

- sign 180.891 $\pm$ 0.026 χ^2/NDF : 4082479.9/47

asym_bcm_an_ds3_mean vs Slug



Right In: 4.506 ± 67.643 χ^2/NDF : 11.5/20

Left Out: 13.395 ± 47.862 χ^2/NDF : 9.0/24

Right Out: 22.994 ± 63.148 χ^2/NDF : 10.3/24

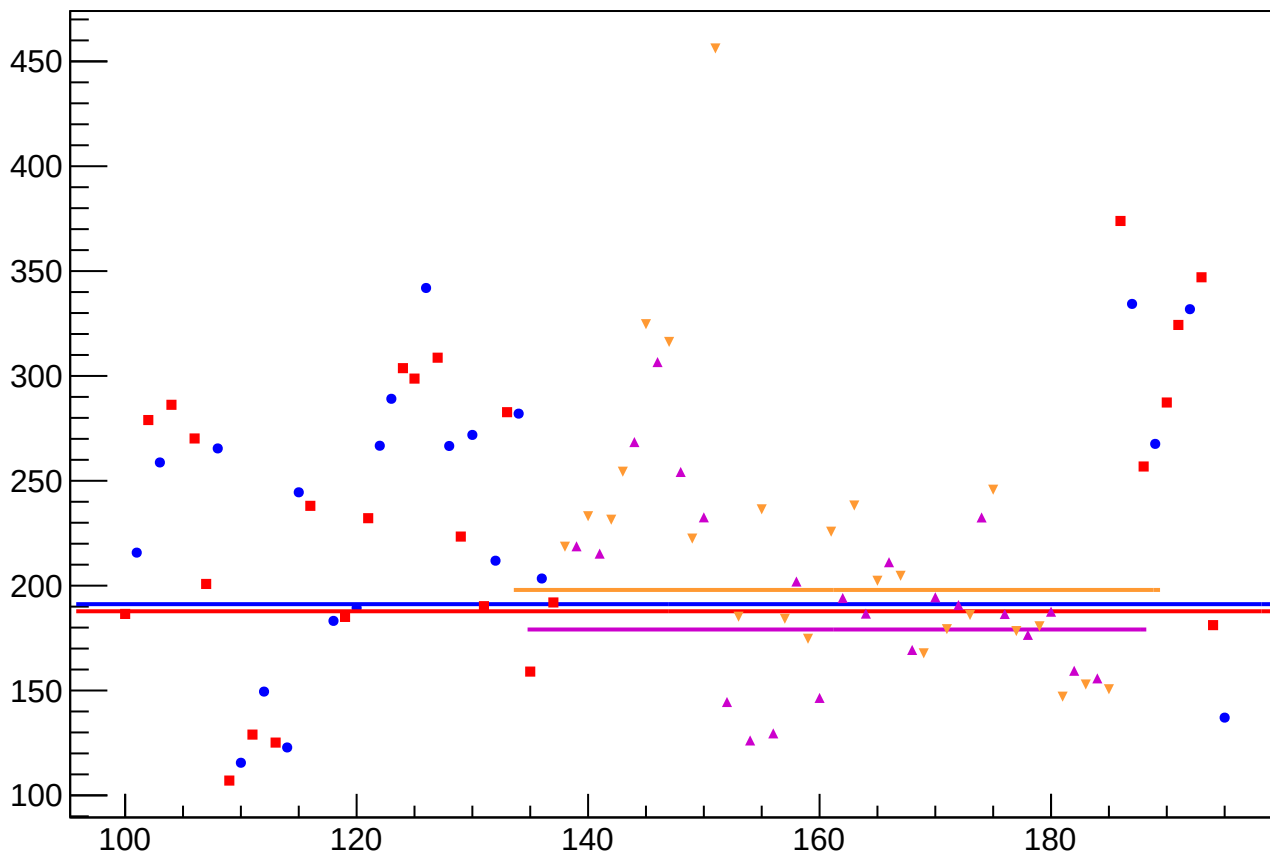
Left In: -28.806 ± 44.980 χ^2/NDF : 6.8/22

+ sign 10.429 ± 39.071 χ^2/NDF : 20.5/45

All: -1.171 ± 26.725 χ^2/NDF : 38.2/93

- sign -11.371 ± 36.636 χ^2/NDF : 17.6/47

asym_bcm_an_ds3_rms vs Slug



Right In: 191.174 $\pm$ 0.048 χ^2 /NDF: 1732385.7/20

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

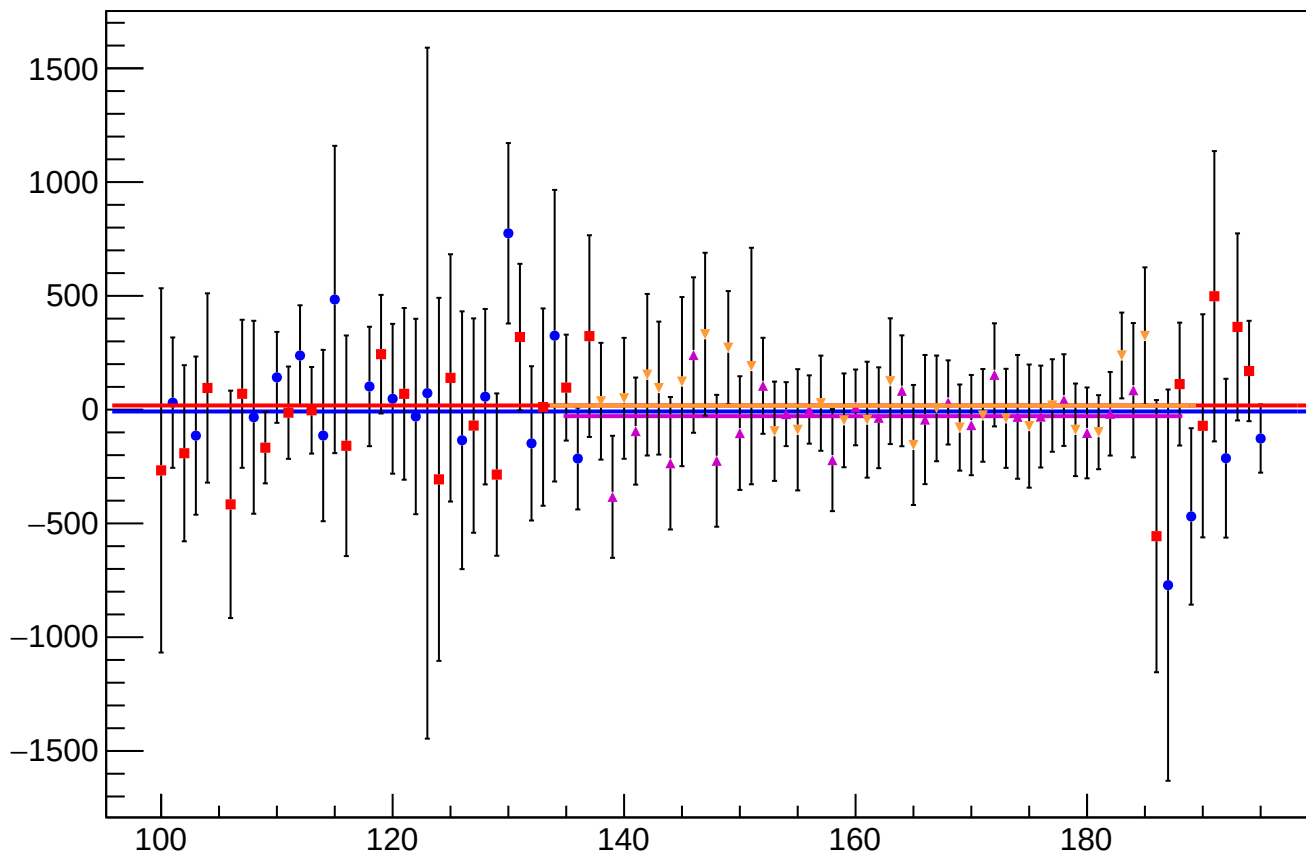
Left In: 179.090 $\pm$ 0.032 χ^2 /NDF:1605113.3/22

+ sign 195.691 $\pm$ 0.028 χ^2 /NDF: 3520296.1/45

All: 188.414 $\pm$ 0.019 χ^2 /NDF: 7723726.6/93

- sign 182.015 $\pm$ 0.026 χ^2 /NDF: 4073041.4/47

asym_bcm_an_us_mean vs Slug



Right In: -7.993 ± 67.655 $\chi^2/\text{NDF}: 11.2/20$

Left Out: 17.142 ± 47.738 $\chi^2/\text{NDF}: 7.1/24$

Right Out: 18.323 ± 63.051 $\chi^2/\text{NDF}: 8.8/24$

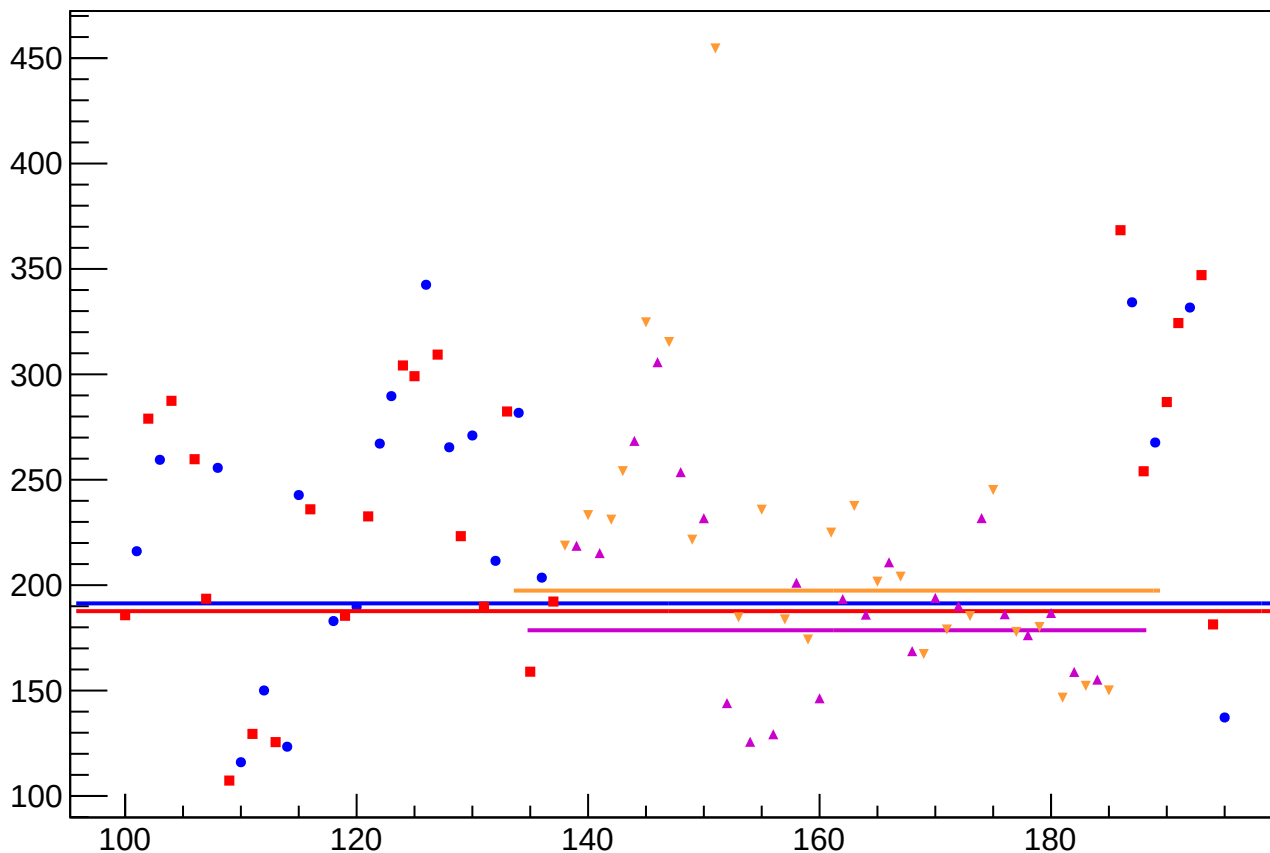
Left In: -28.655 ± 44.859 $\chi^2/\text{NDF}: 6.1/22$

+ sign 8.787 ± 39.005 $\chi^2/\text{NDF}: 18.4/45$

All: -2.742 ± 26.671 $\chi^2/\text{NDF}: 33.9/93$

- sign -12.867 ± 36.552 $\chi^2/\text{NDF}: 15.3/47$

asym_bcm_an_us_rms vs Slug



Right In: 191.350 ± 0.048 $\chi^2/\text{NDF}: 1708133.3/20$

Left Out: 197.422 ± 0.034 $\chi^2/\text{NDF}: 1780261.9/24$

Right Out: 187.673 ± 0.045 $\chi^2/\text{NDF}: 2406324.9/24$

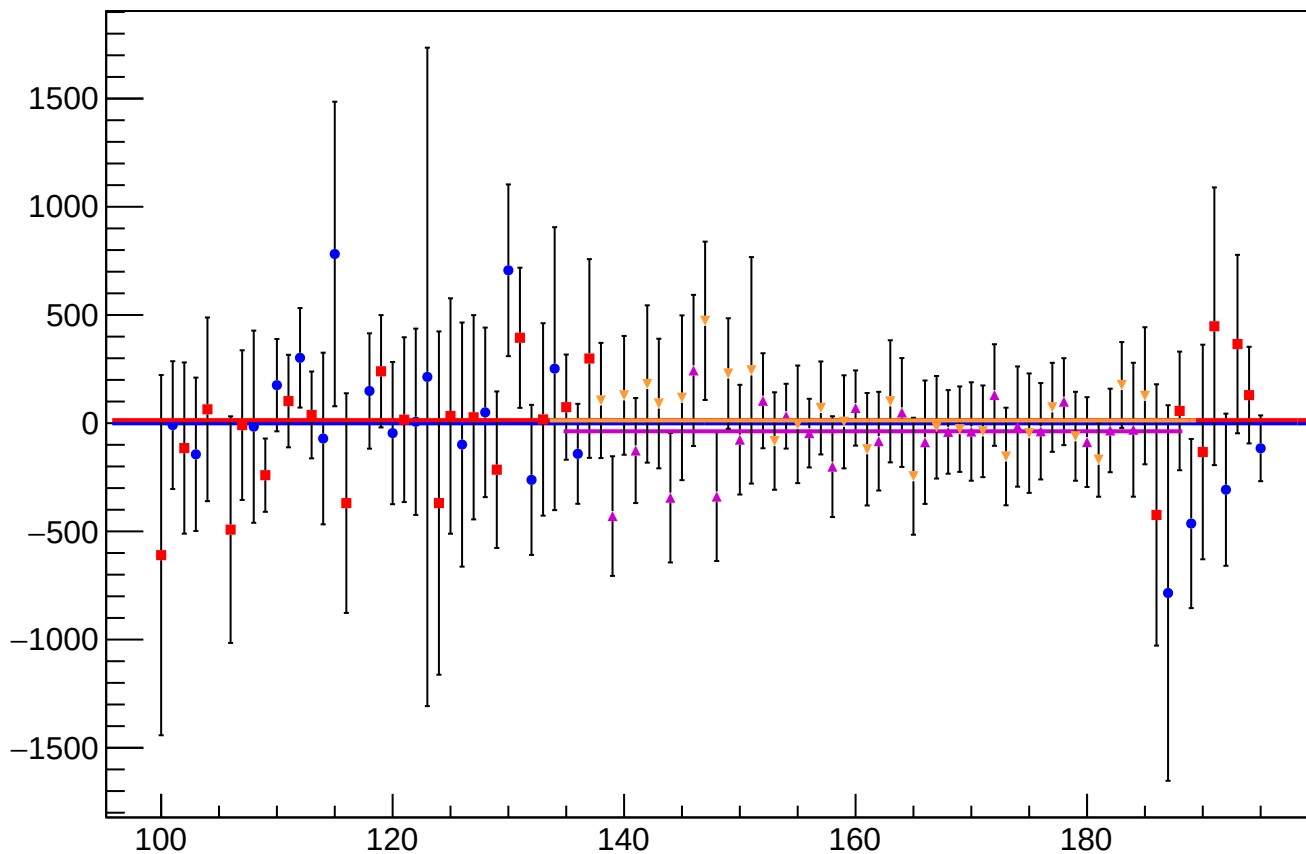
Left In: 178.601 ± 0.032 $\chi^2/\text{NDF}: 1608998.1/22$

+ sign 195.404 ± 0.028 $\chi^2/\text{NDF}: 3499147.2/45$

All: 188.081 ± 0.019 $\chi^2/\text{NDF}: 7674357.2/93$

- sign 181.650 ± 0.026 $\chi^2/\text{NDF}: 4042811.3/47$

asym_bcm_dg_us_mean vs Slug



Right In: -0.754 ± 69.407 χ^2/NDF : 12.1/20

Left Out: 12.632 ± 49.242 χ^2/NDF : 7.5/24

Right Out: 14.224 ± 65.303 χ^2/NDF : 9.9/24

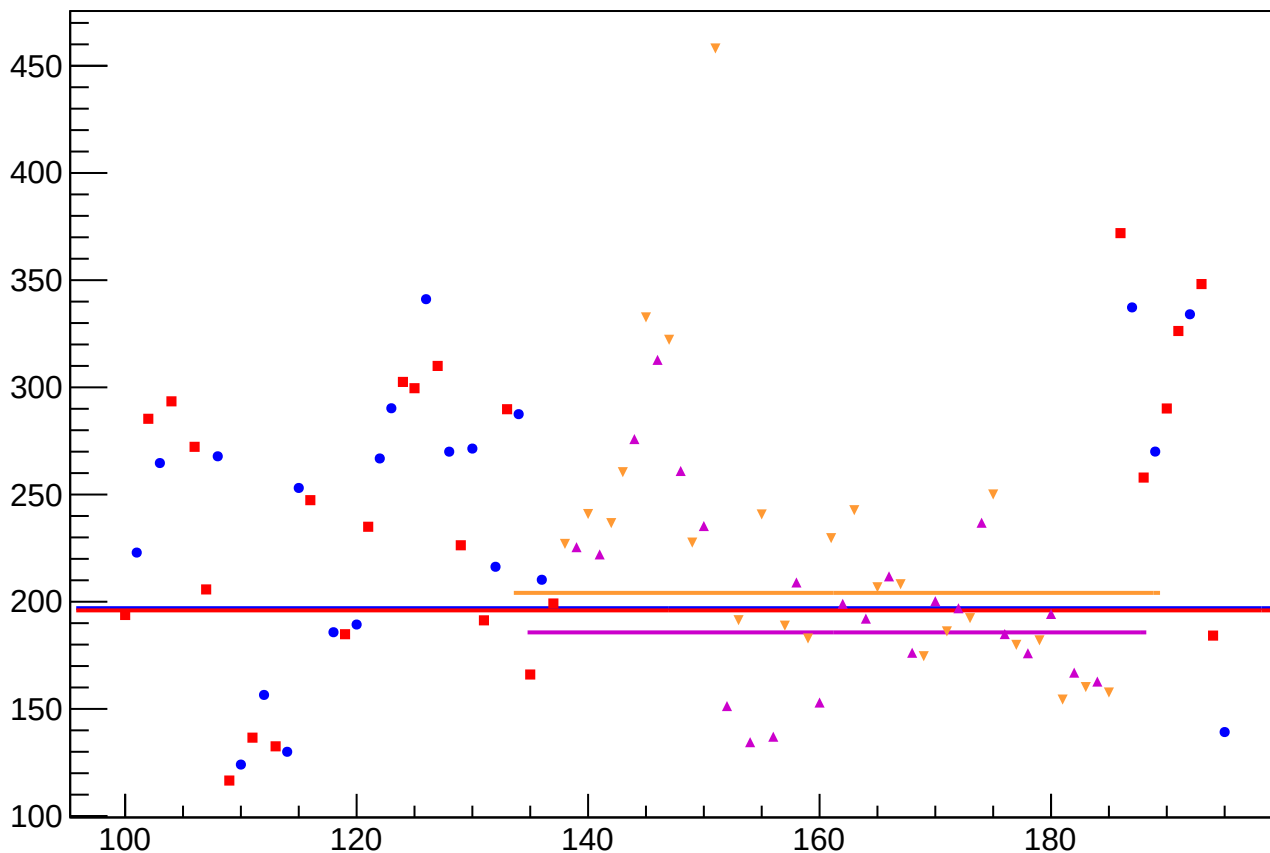
Left In: -37.460 ± 46.479 χ^2/NDF : 7.6/22

+ sign 8.150 ± 40.161 χ^2/NDF : 19.6/45

All: -6.795 ± 27.551 χ^2/NDF : 37.9/93

- sign -20.082 ± 37.867 χ^2/NDF : 18.0/47

asym_bcm_dg_us_rms vs Slug



Right In: 196.985 $\pm$ 0.049 χ^2 /NDF: 1606667.0/20

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

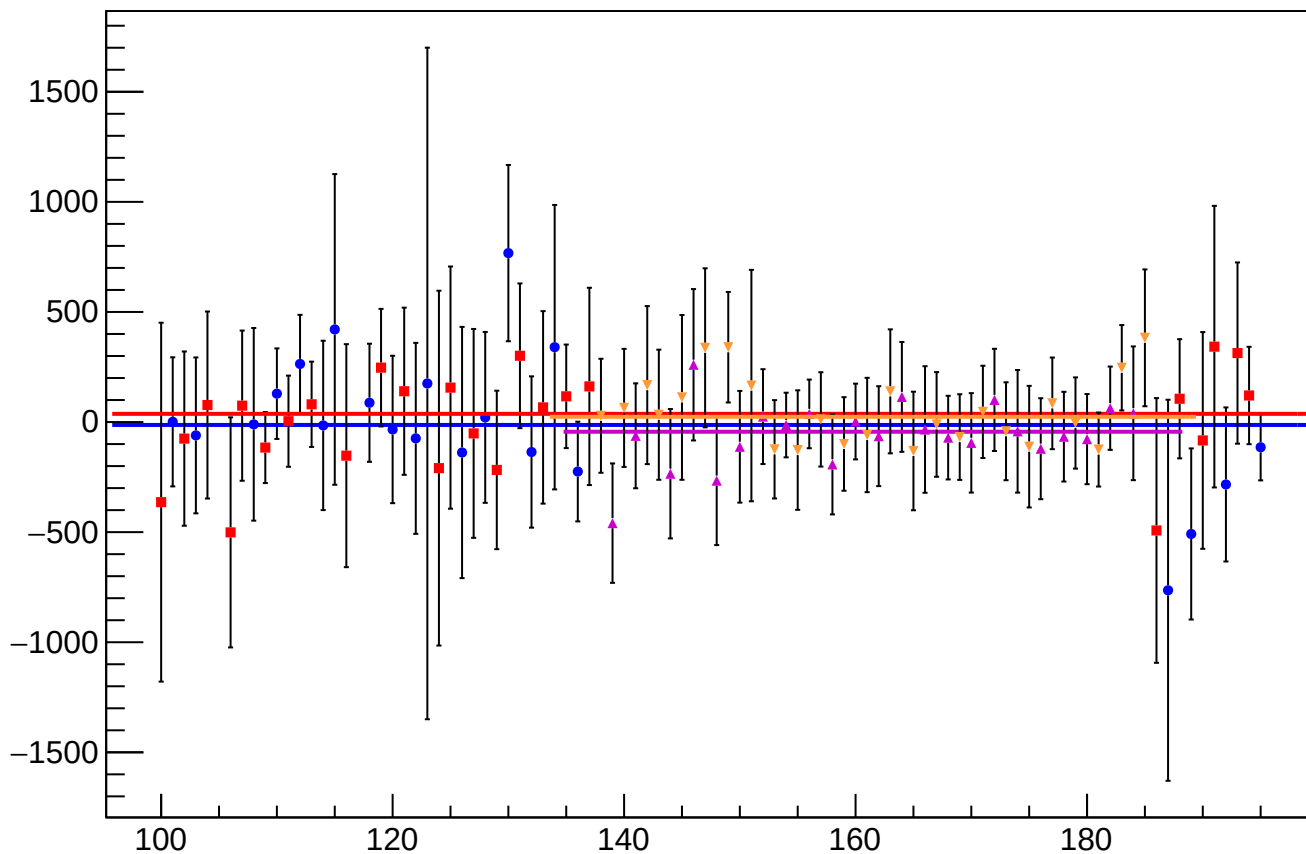
Left In: 185.694 $\pm$ 0.033 χ^2 /NDF:1447767.0/22

+ sign 201.739 $\pm$ 0.028 χ^2 /NDF: 3293058.6/45

All: 195.073 $\pm$ 0.019 χ^2 /NDF: 7032532.7/93

- sign 189.147 $\pm$ 0.027 χ^2 /NDF: 3635388.5/47

asym_bcm_dg_ds_mean vs Slug



Right In: -13.139 $\pm$ 68.592 χ^2 /NDF: 11.2/20

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

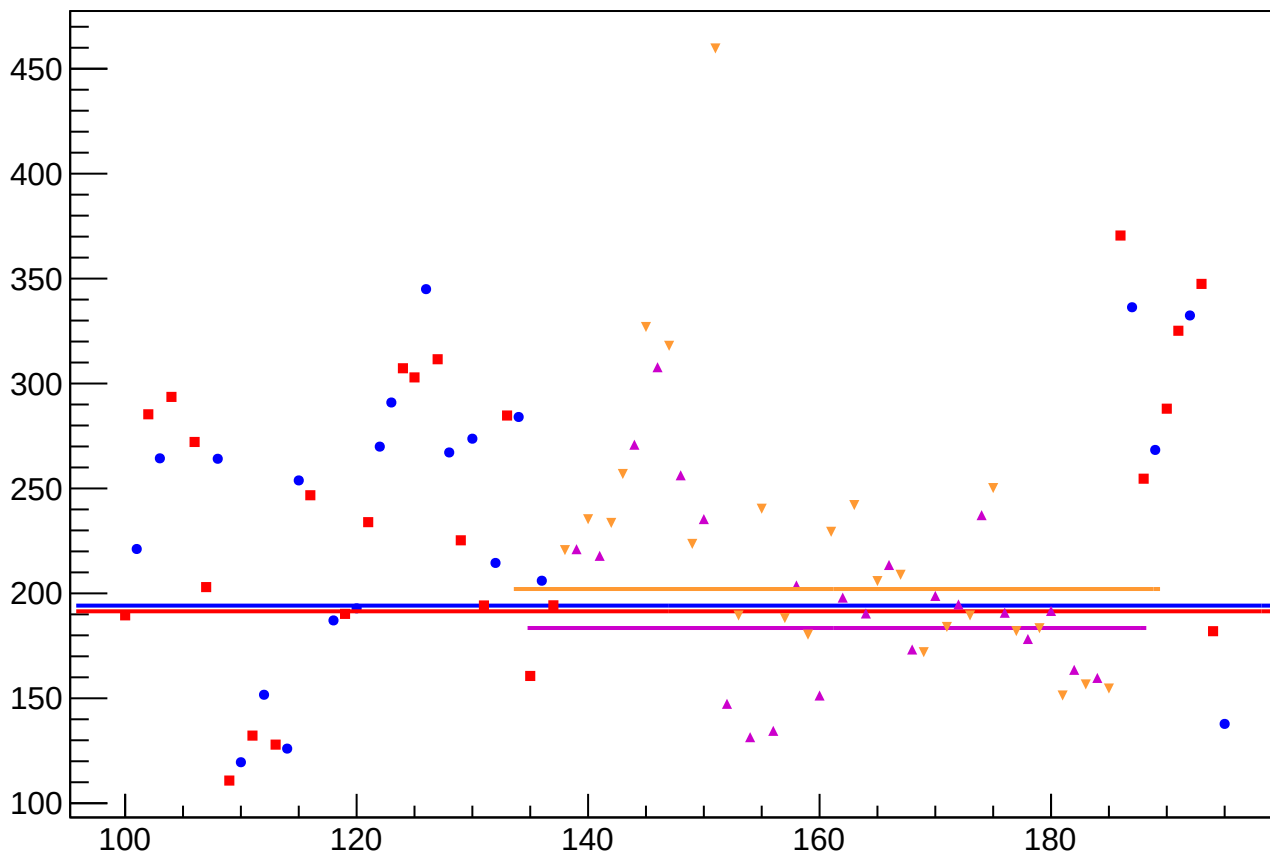
Left In: -43.978 $\pm$ 45.981 χ^2 /NDF: 6.5/22

+ sign 11.421 $\pm$ 39.754 χ^2 /NDF: 19.8/45

All: -3.345 $\pm$ 27.230 χ^2 /NDF: 34.1/93

- sign -16.395 $\pm$ 37.375 χ^2 /NDF: 14.0/47

asym_bcm_dg_ds_rms vs Slug



Right In: 194.172 ± 0.049 $\chi^2/\text{NDF}: 1690855.3/20$

Left Out: 202.081 ± 0.034 $\chi^2/\text{NDF}: 1692787.9/24$

Right Out: 191.456 ± 0.045 $\chi^2/\text{NDF}: 2343055.7/24$

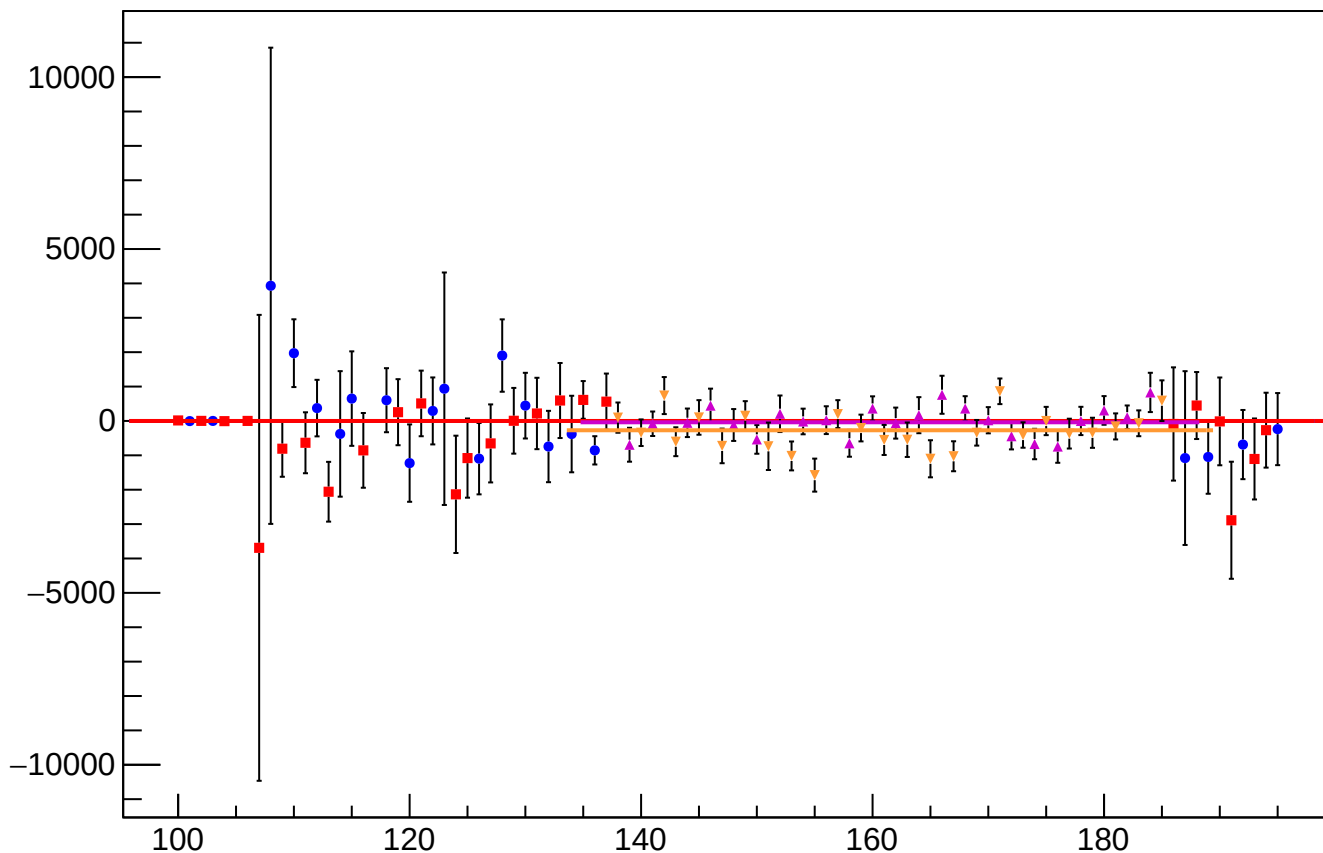
Left In: 183.498 ± 0.033 $\chi^2/\text{NDF}: 1483383.4/22$

+ sign 199.424 ± 0.028 $\chi^2/\text{NDF}: 3401301.2/45$

All: 192.403 ± 0.019 $\chi^2/\text{NDF}: 7365570.6/93$

- sign 186.198 ± 0.026 $\chi^2/\text{NDF}: 3846763.0/47$

asym_cav4bQ_mean vs Slug



Right In: -1.540 ± 2.251 χ^2/NDF : 19.1/20

Left Out: -270.969 ± 86.967 χ^2/NDF : 38.1/24

Right Out: -0.733 ± 2.111 χ^2/NDF : 23.2/24

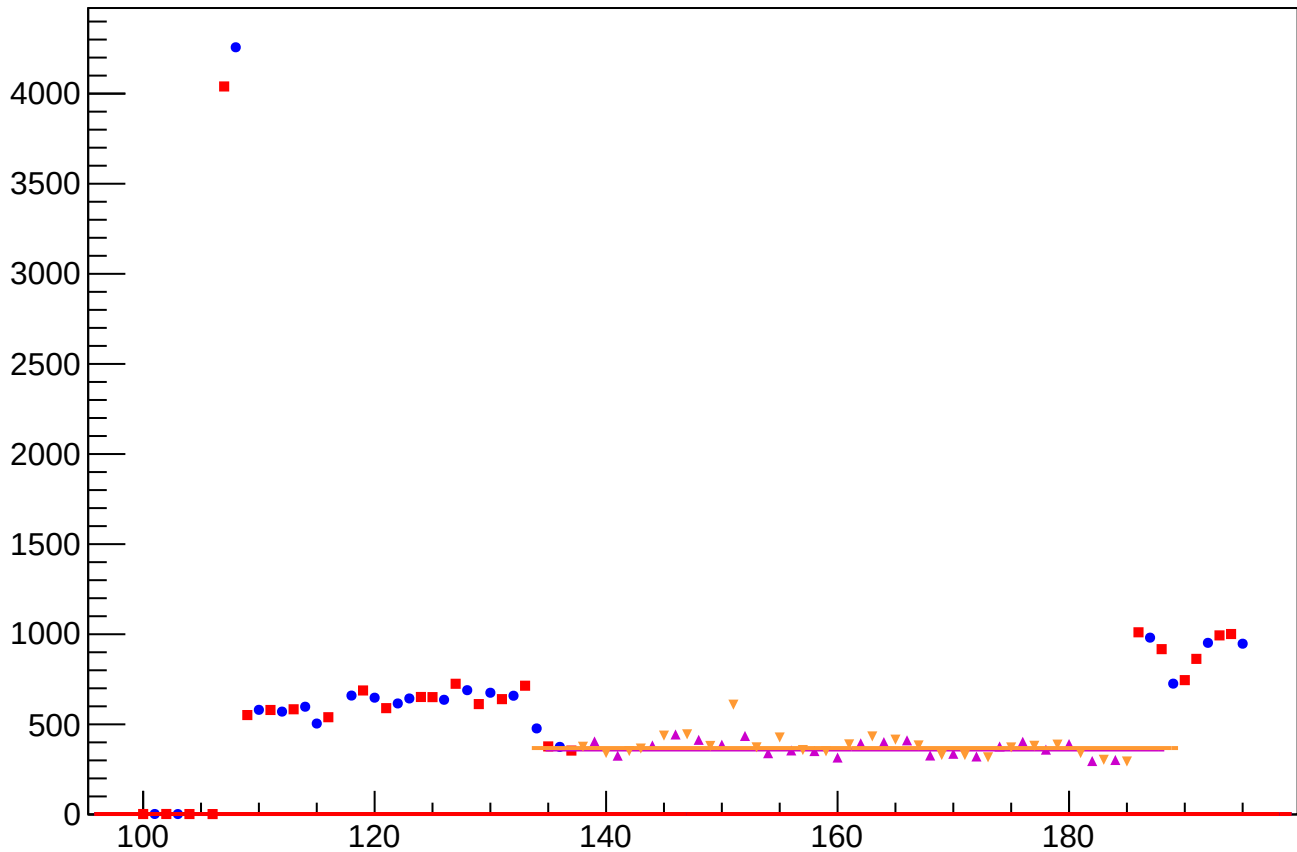
Left In: -39.078 ± 87.769 χ^2/NDF : 20.3/22

+ sign -1.720 ± 2.251 χ^2/NDF : 66.8/45

All: -1.207 ± 1.540 χ^2/NDF : 110.5/93

- sign -0.755 ± 2.110 χ^2/NDF : 43.6/47

asym_cav4bQ_rms vs Slug



Right In: 2.469 $\pm$ 0.002 χ^2/NDF : 15429933.2/20

Left Out: 368.397 $\pm$ 0.061 χ^2/NDF : 622466.1/24

Right Out: 2.453 $\pm$ 0.001 χ^2/NDF : 17902715.3/24

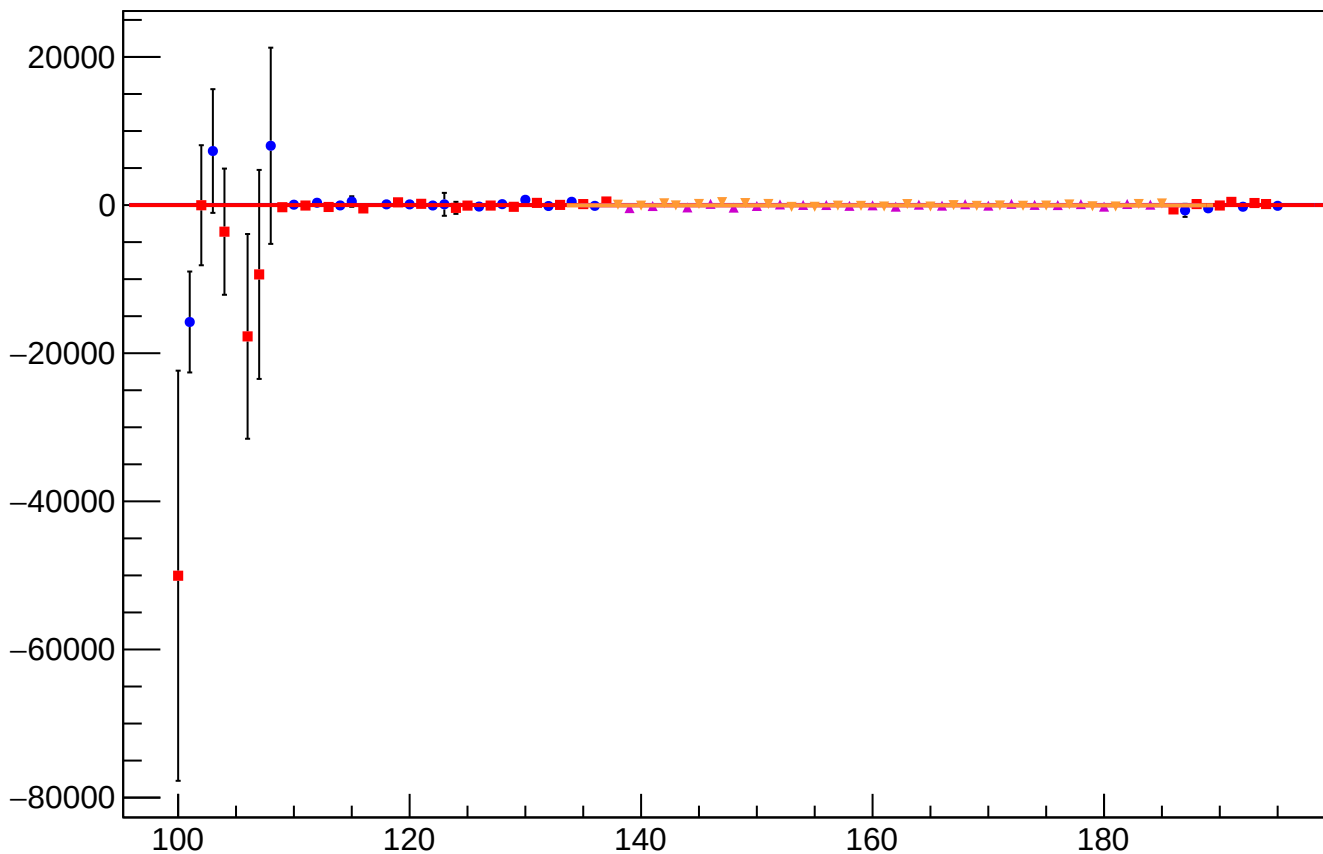
Left In: 360.408 $\pm$ 0.062 χ^2/NDF : 417739.4/22

+ sign 2.715 $\pm$ 0.002 χ^2/NDF : 51437224.9/45

All: 2.685 $\pm$ 0.001 χ^2/NDF : 103005105.1/93

- sign 2.660 $\pm$ 0.001 χ^2/NDF : 51567249.2/47

asym_cav4cQ_mean vs Slug



Right In: 17.982+/-76.181 χ^2/NDF : 15.8/20

Left Out: -38.013+/-49.628 χ^2/NDF : 9.3/24

Right Out: -1.814+/-73.527 χ^2/NDF : 16.6/24

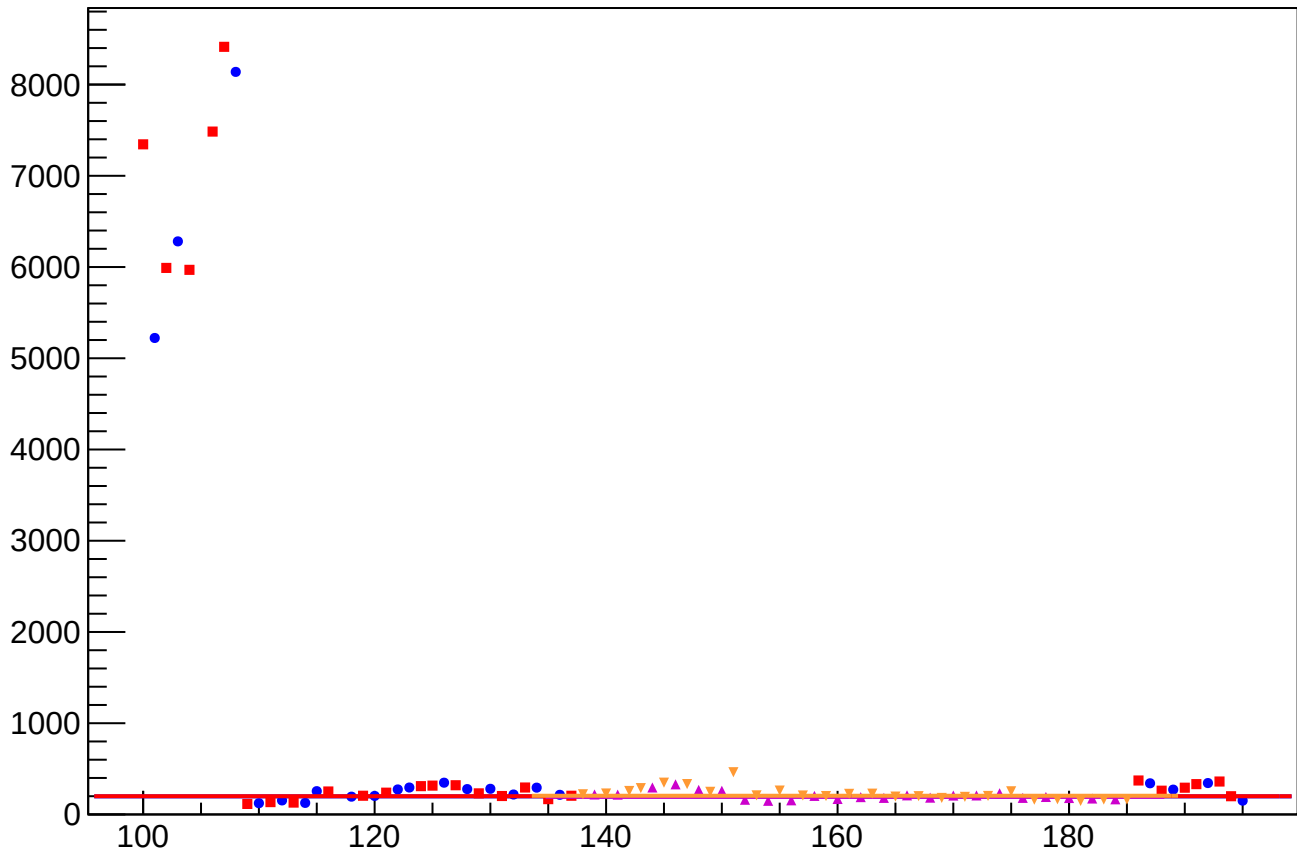
Left In: -28.205+/-48.167 χ^2/NDF : 9.2/22

+ sign -21.330+/-41.583 χ^2/NDF : 25.5/45

All: -20.788+/-28.936 χ^2/NDF : 51.4/93

- sign -20.280+/-40.291 χ^2/NDF : 25.9/47

asym_cav4cQ_rms vs Slug



Right In: 197.920 $\pm$ 0.054 χ^2 /NDF: 4306464.4/20

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

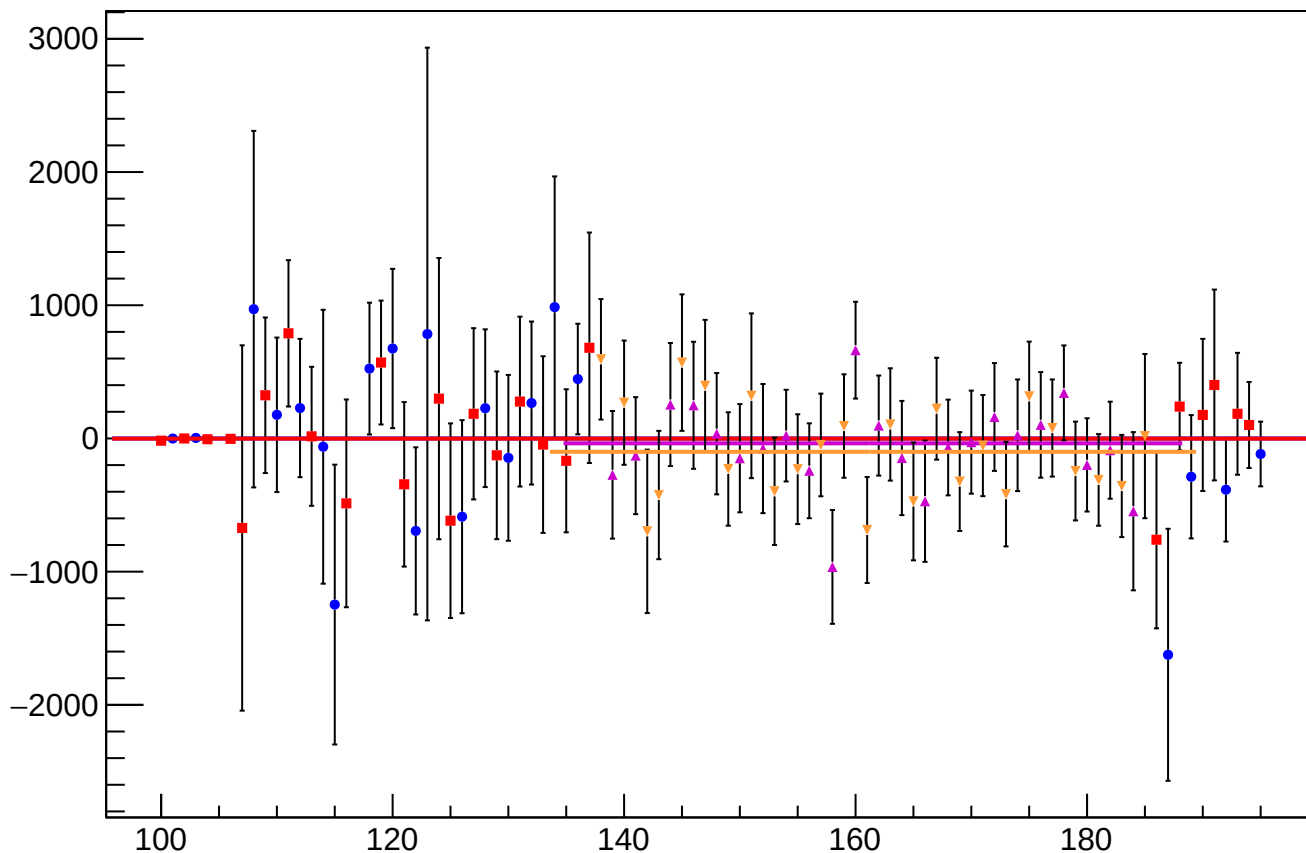
Left In: 193.405 $\pm$ 0.034 χ^2 /NDF:1172169.3/22

+ sign 202.909 $\pm$ 0.029 χ^2 /NDF: 6274729.9/45

All: 199.016 $\pm$ 0.020 χ^2 /NDF: 12615394.6/93

- sign 195.360 $\pm$ 0.028 χ^2 /NDF: 6306662.6/47

asym_cav4dQ_mean vs Slug



Right In: -0.163 ± 1.737 χ^2/NDF : 14.6/20

Left Out: -100.058 ± 84.190 χ^2/NDF : 15.7/24

Right Out: -1.313 ± 1.622 χ^2/NDF : 11.9/24

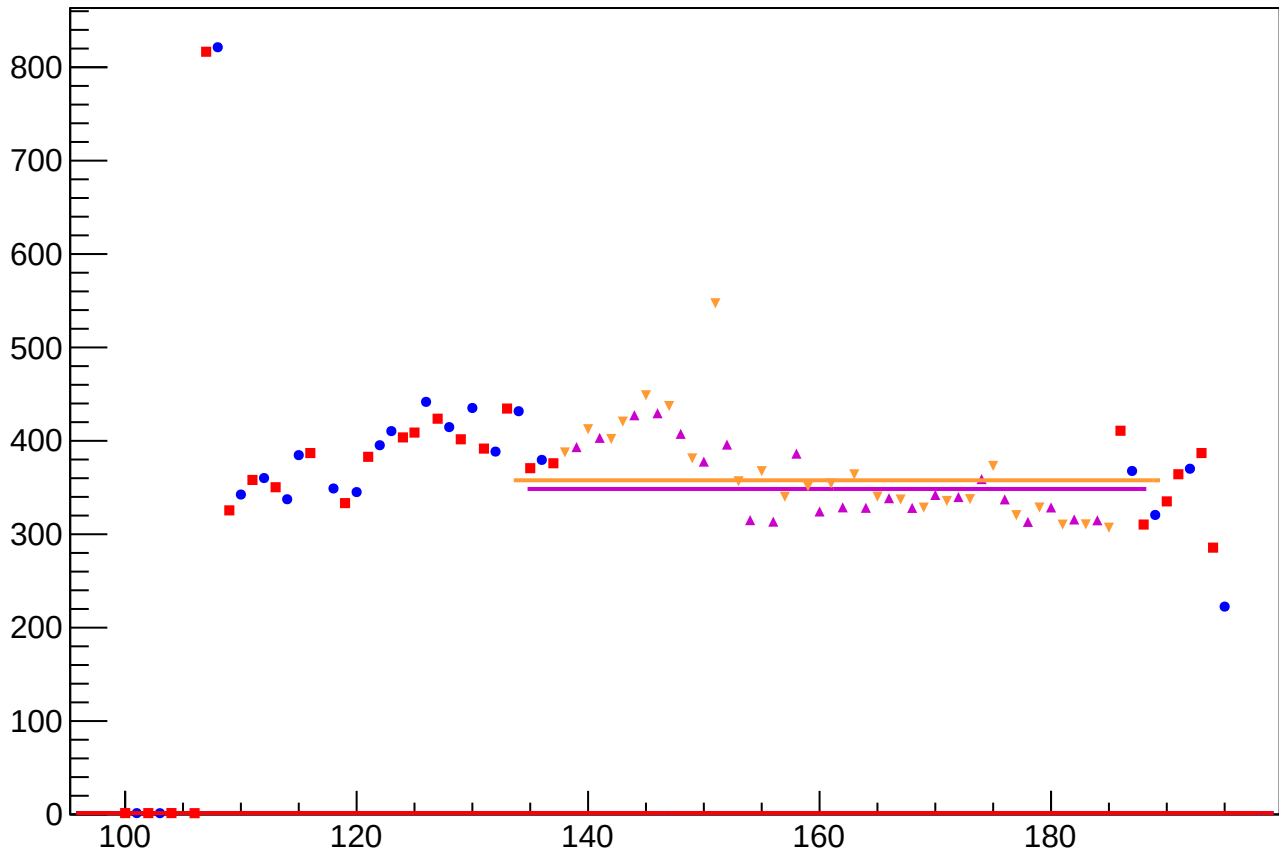
Left In: -36.497 ± 84.675 χ^2/NDF : 13.5/22

+ sign -0.205 ± 1.736 χ^2/NDF : 31.7/45

All: -0.803 ± 1.185 χ^2/NDF : 57.5/93

- sign -1.326 ± 1.622 χ^2/NDF : 25.6/47

asym_cav4dQ_rms vs Slug



Right In: 1.477 $\pm$ 0.001 χ^2 /NDF: 15618222.7/20

Left Out: 357.771 $\pm$ 0.060 χ^2 /NDF: 547124.8/24

Right Out: 1.477 $\pm$ 0.001 χ^2 /NDF: 17523371.1/24

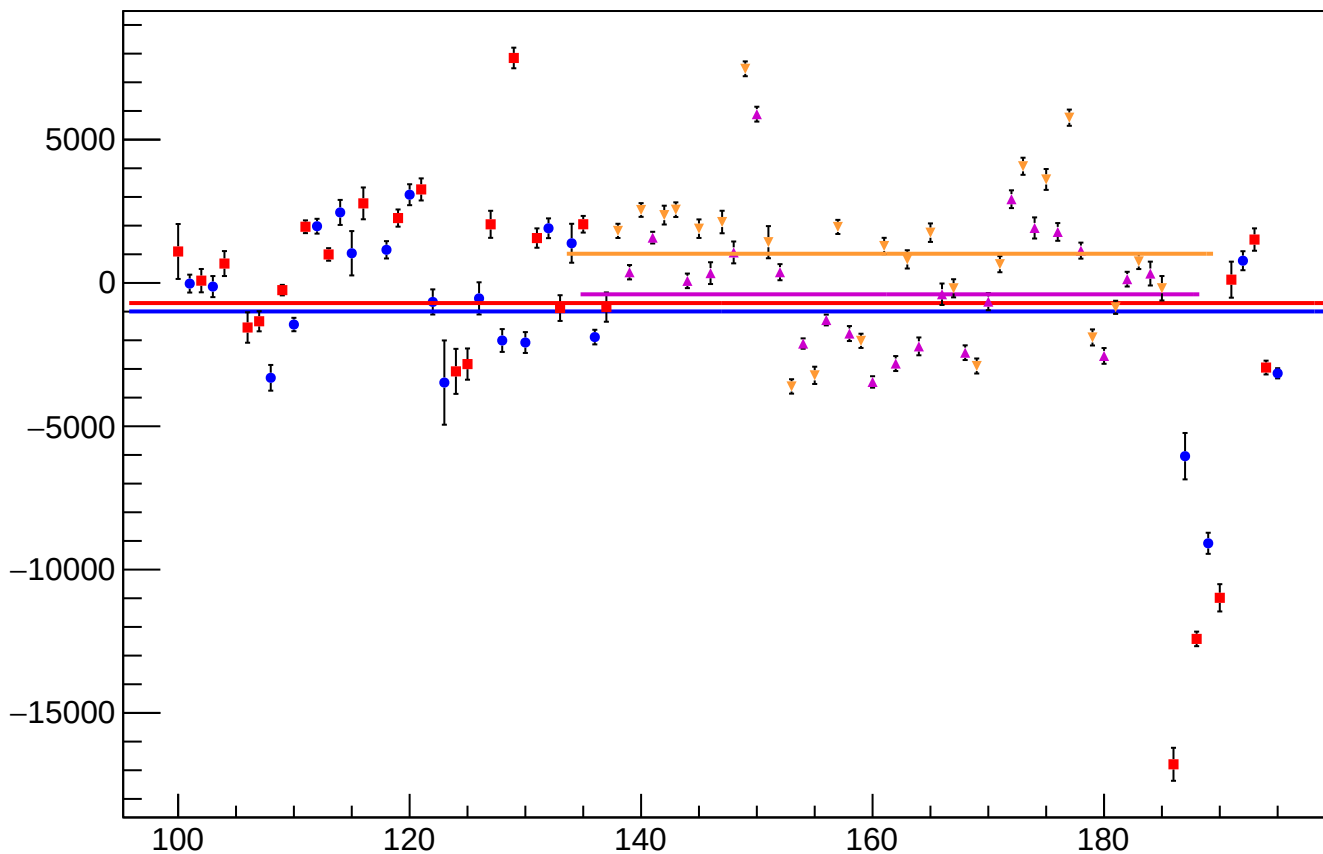
Left In: 348.464 $\pm$ 0.060 χ^2 /NDF: 360425.7/22

+ sign 1.628 $\pm$ 0.001 χ^2 /NDF: 51970383.1/45

All: 1.616 $\pm$ 0.001 χ^2 /NDF: 103426801.8/93

- sign 1.605 $\pm$ 0.001 χ^2 /NDF: 51456219.6/47

asym_bcm0l02_mean vs Slug



Right In: -993.797 ± 74.640 $\chi^2/\text{NDF}: 1235.3/20$

Left Out: 1018.965 ± 57.402 $\chi^2/\text{NDF}: 2310.1/24$

Right Out: -701.460 ± 68.713 $\chi^2/\text{NDF}: 4731.5/24$

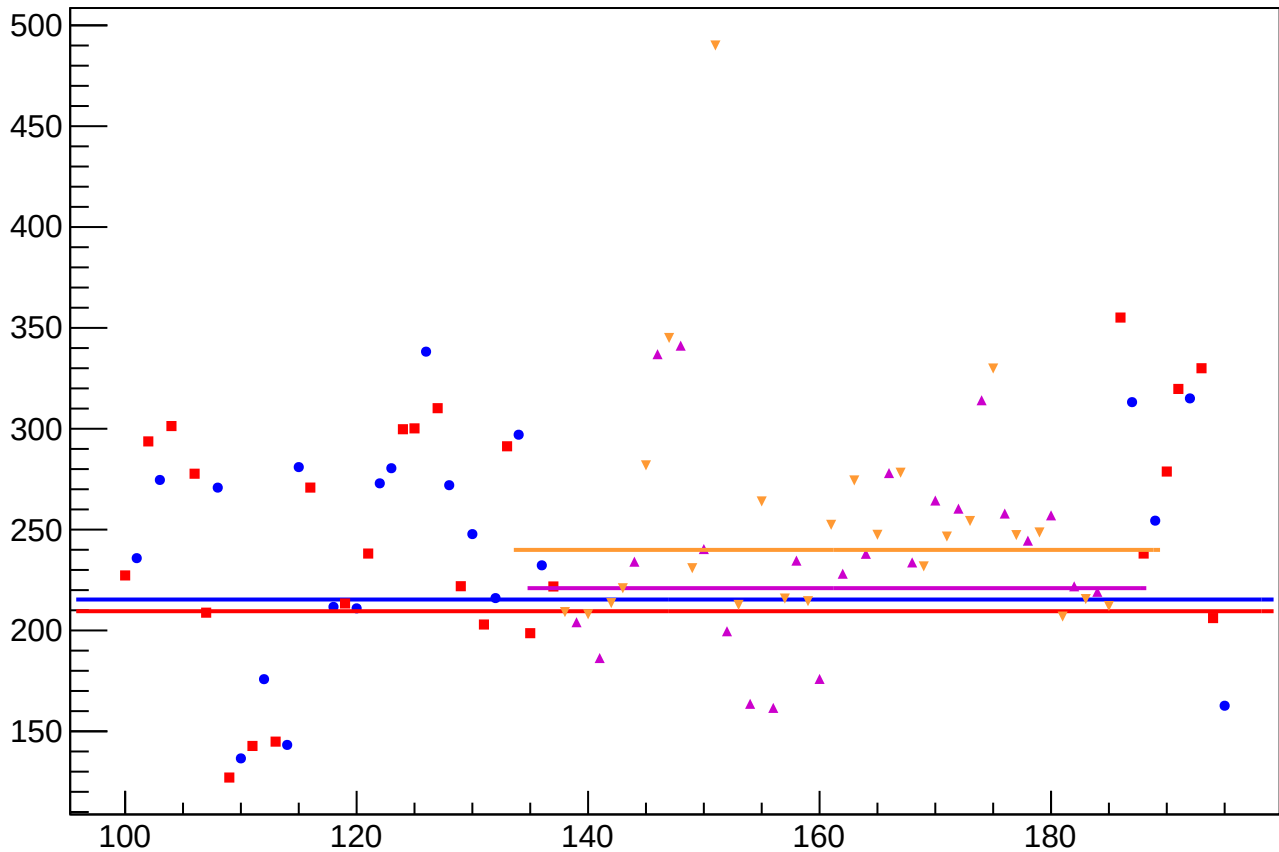
Left In: -396.609 ± 55.090 $\chi^2/\text{NDF}: 1581.0/22$

+ sign 270.949 ± 45.502 $\chi^2/\text{NDF}: 4002.4/45$

All: -144.867 ± 31.246 $\chi^2/\text{NDF}: 10484.9/93$

- sign -515.890 ± 42.982 $\chi^2/\text{NDF}: 6324.5/47$

asym_bcm0l02_rms vs Slug



Right In: 215.340 $\pm$ 0.053 χ^2 /NDF: 1070840.8/20

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

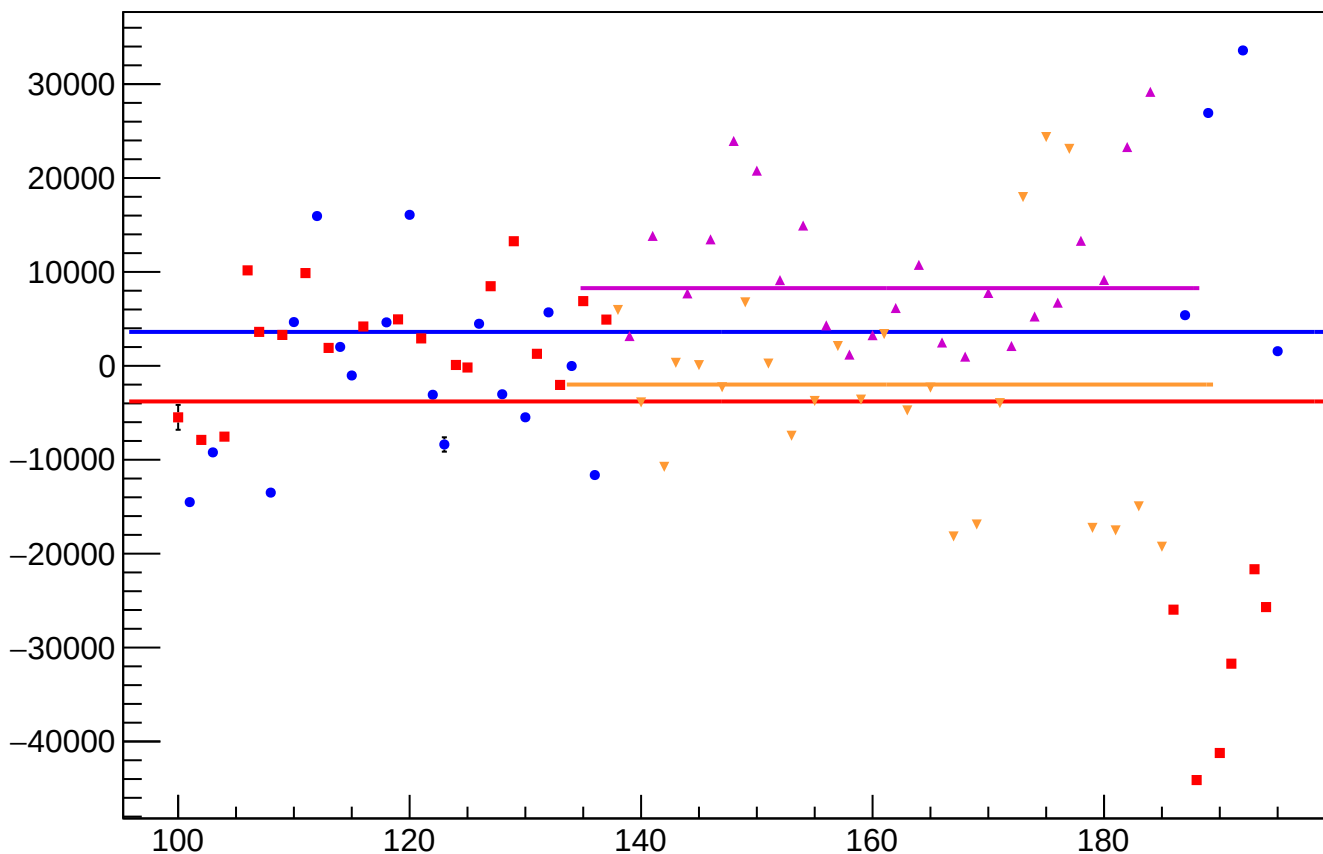
Left In: 220.972 $\pm$ 0.039 χ^2 /NDF:1327680.6/22

+ sign 230.799 $\pm$ 0.032 χ^2 /NDF: 2208135.2/45

All: 223.242 $\pm$ 0.022 χ^2 /NDF: 5370306.9/93

- sign 216.498 $\pm$ 0.030 χ^2 /NDF: 3057769.8/47

asym_bpm0i02WS_mean vs Slug



Right In: 3612.301+/-49.489 χ^2/NDF : 68100.6/20

Left Out: -1991.788+/-42.427 χ^2/NDF : 63766.6/24

Right Out: -3792.448+/-46.060 χ^2/NDF : 126411.3/24

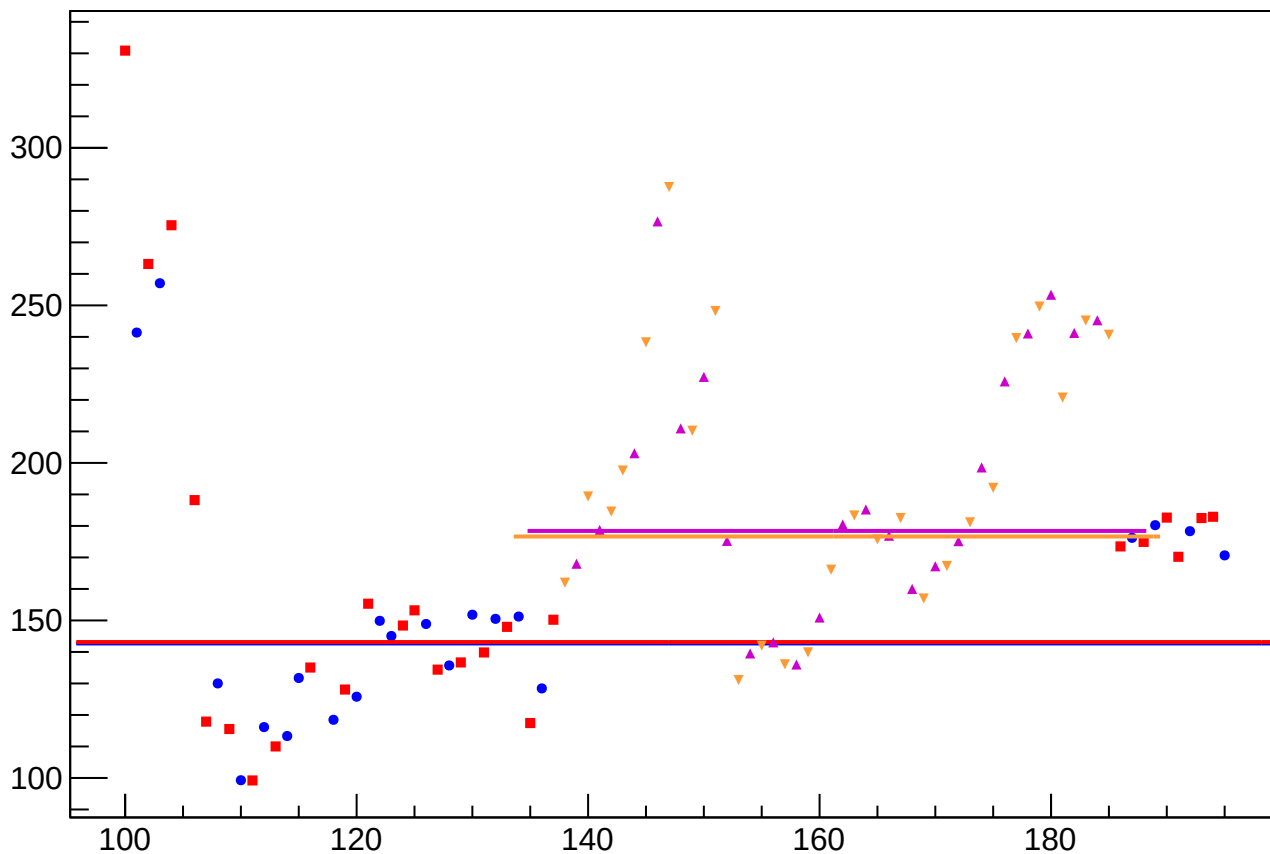
Left In: 8273.228+/-44.301 χ^2/NDF : 22870.2/22

+ sign 382.178+/-32.210 χ^2/NDF : 139258.1/45

All: 1437.850+/-22.676 χ^2/NDF : 326314.5/93

- sign 2475.184+/-31.929 χ^2/NDF : 184926.8/47

asym_bpm0i02WS_rms vs Slug



Right In: 142.700 $\pm$ 0.035 χ^2 /NDF: 864851.6/20

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

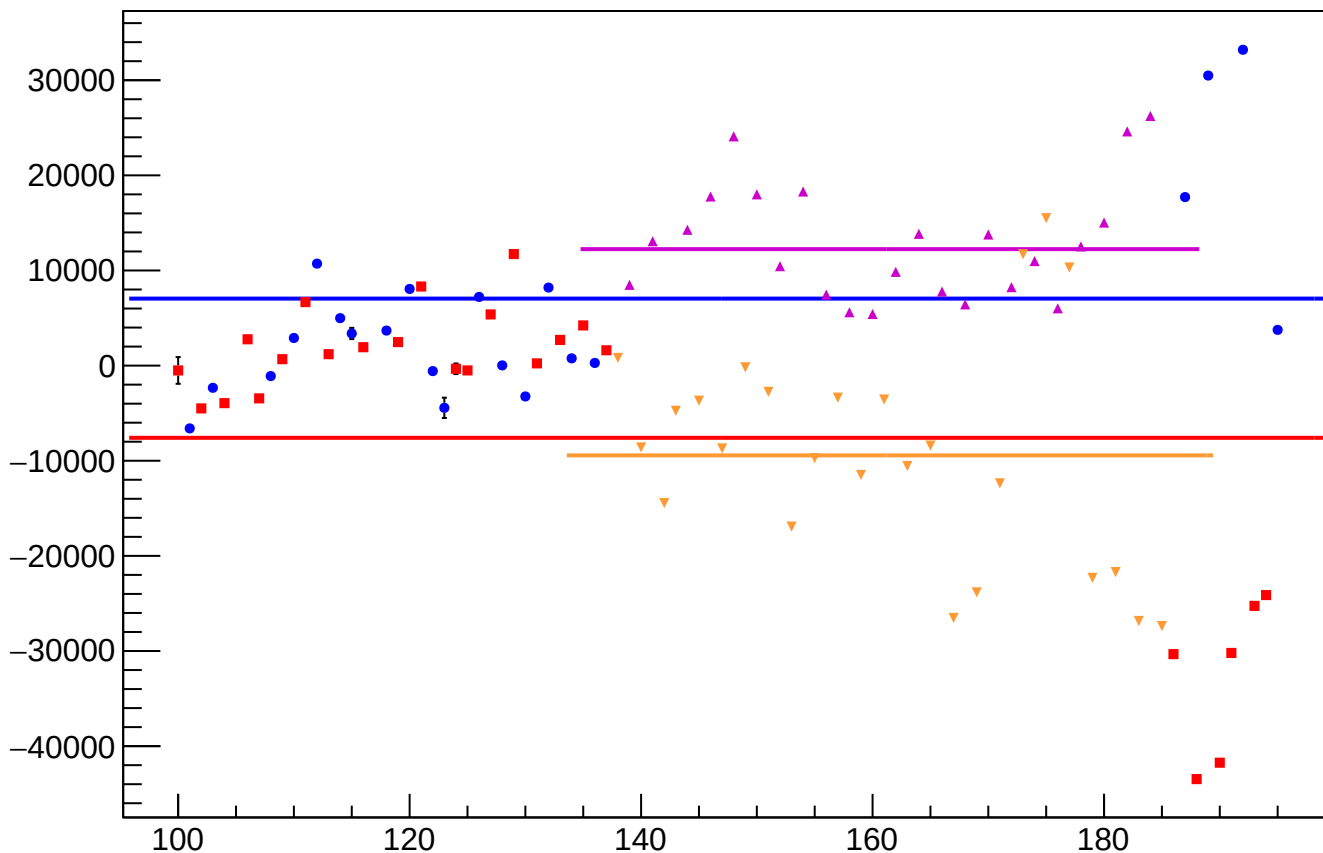
Left In: 178.413 $\pm$ 0.031 χ^2 /NDF:1293736.2/22

+ sign 162.263 $\pm$ 0.023 χ^2 /NDF: 2958115.5/45

All: 161.861 $\pm$ 0.016 χ^2 /NDF: 6043661.9/93

- sign 161.465 $\pm$ 0.023 χ^2 /NDF: 3084928.2/47

asym_bpm0i02aWS_mean vs Slug



Right In: 7044.298+/-60.891 χ^2/NDF : 30960.6/20

Left Out: -9437.408+/-45.534 χ^2/NDF : 62220.4/24

Right Out: -7589.026+/-55.671 χ^2/NDF : 95958.6/24

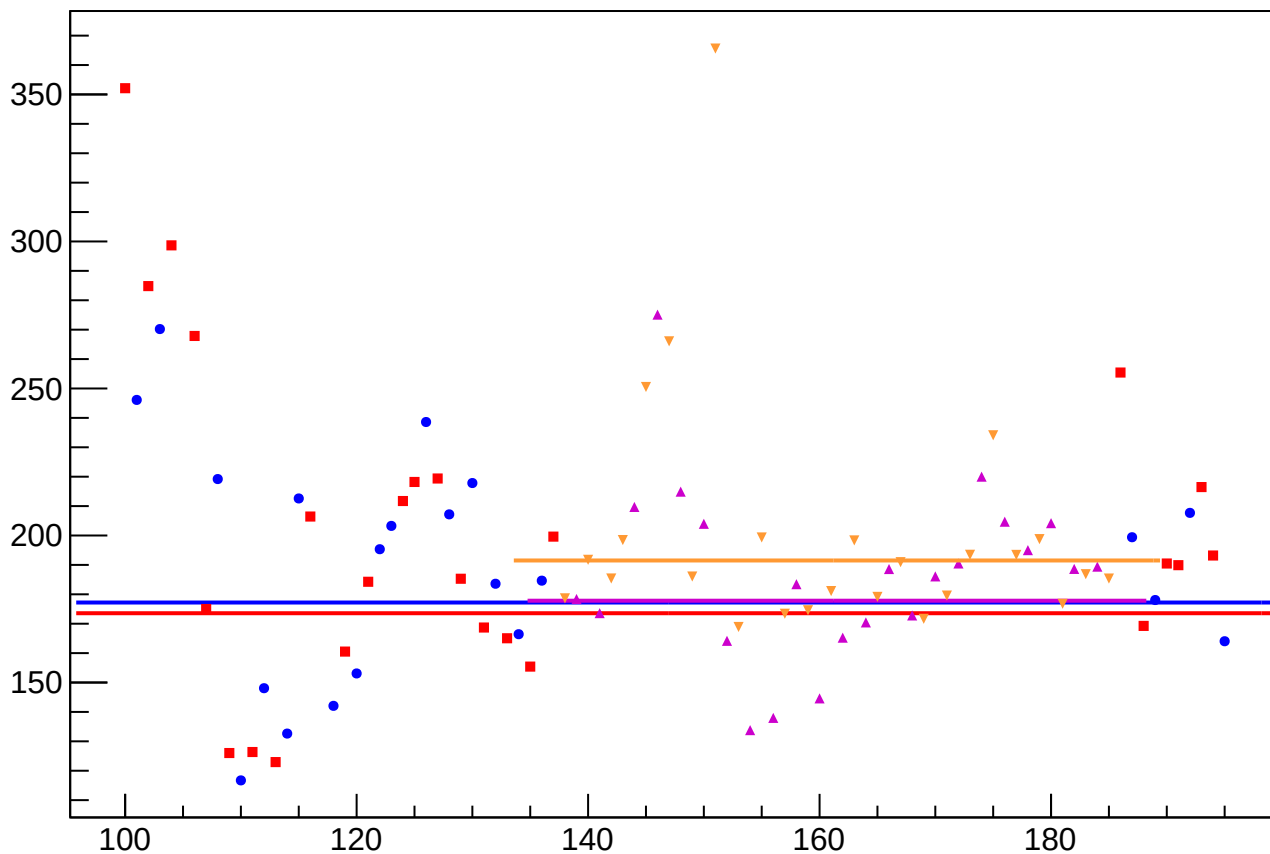
Left In: 12242.226+/-43.944 χ^2/NDF : 16615.8/22

+ sign -3526.319+/-36.466 χ^2/NDF : 140169.5/45

All: 778.021+/-25.059 χ^2/NDF : 357323.0/93

- sign 4629.234+/-34.493 χ^2/NDF : 190754.8/47

asym_bpm0i02aWS_rms vs Slug



Right In: 177.207 $\pm$ 0.043 χ^2 /NDF: 742291.6/20

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

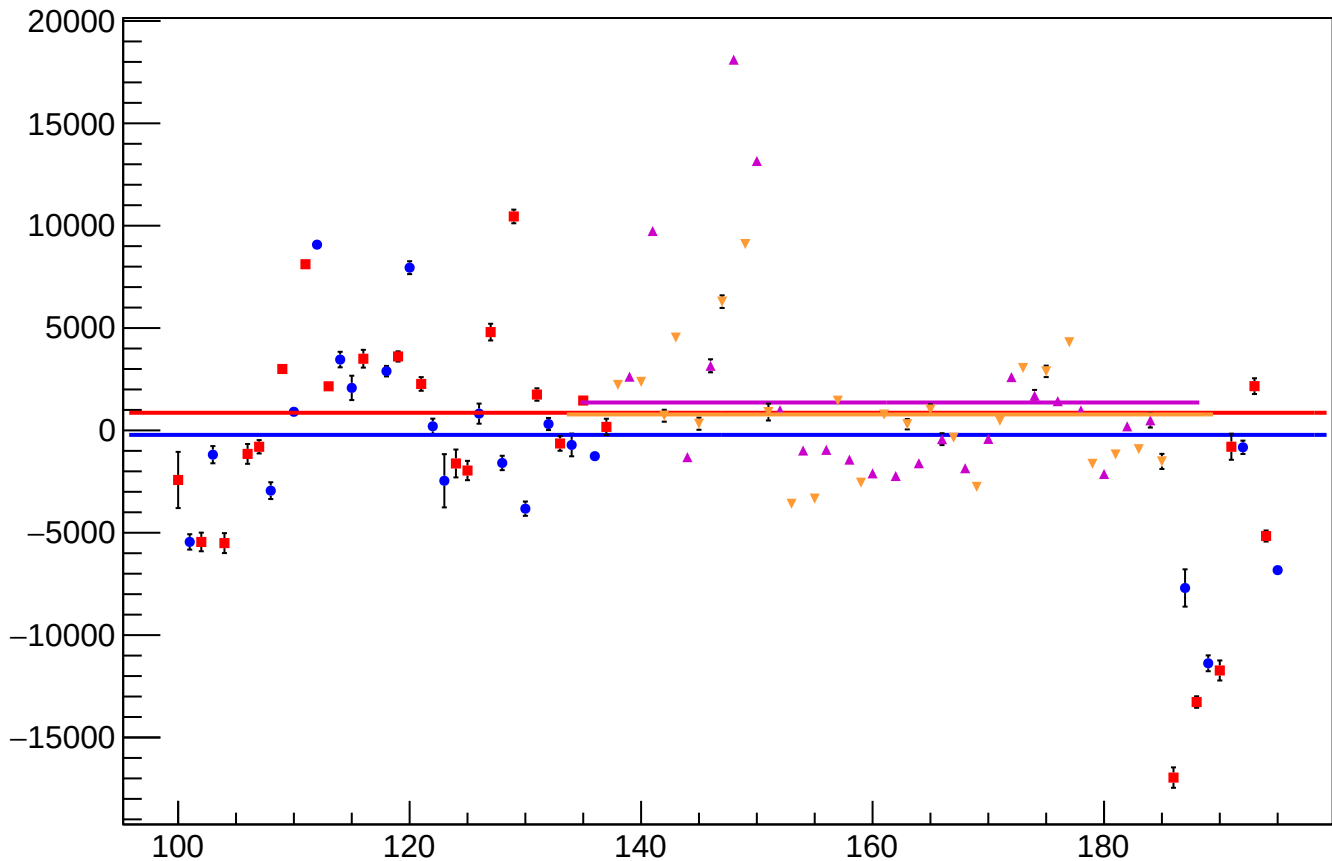
Left In: 177.821 $\pm$ 0.031 χ^2 /NDF: 862494.4/22

+ sign 186.378 $\pm$ 0.026 χ^2 /NDF: 1540282.3/45

All: 181.000 $\pm$ 0.018 χ^2 /NDF: 3604874.0/93

- sign 176.188 $\pm$ 0.024 χ^2 /NDF: 1982168.1/47

asym_bpm0i05WS_mean vs Slug



Right In: -218.913 ± 69.084 χ^2/NDF : 5030.6/20

Left Out: 779.983 ± 47.457 χ^2/NDF : 4260.8/24

Right Out: 861.291 ± 63.529 χ^2/NDF : 8194.2/24

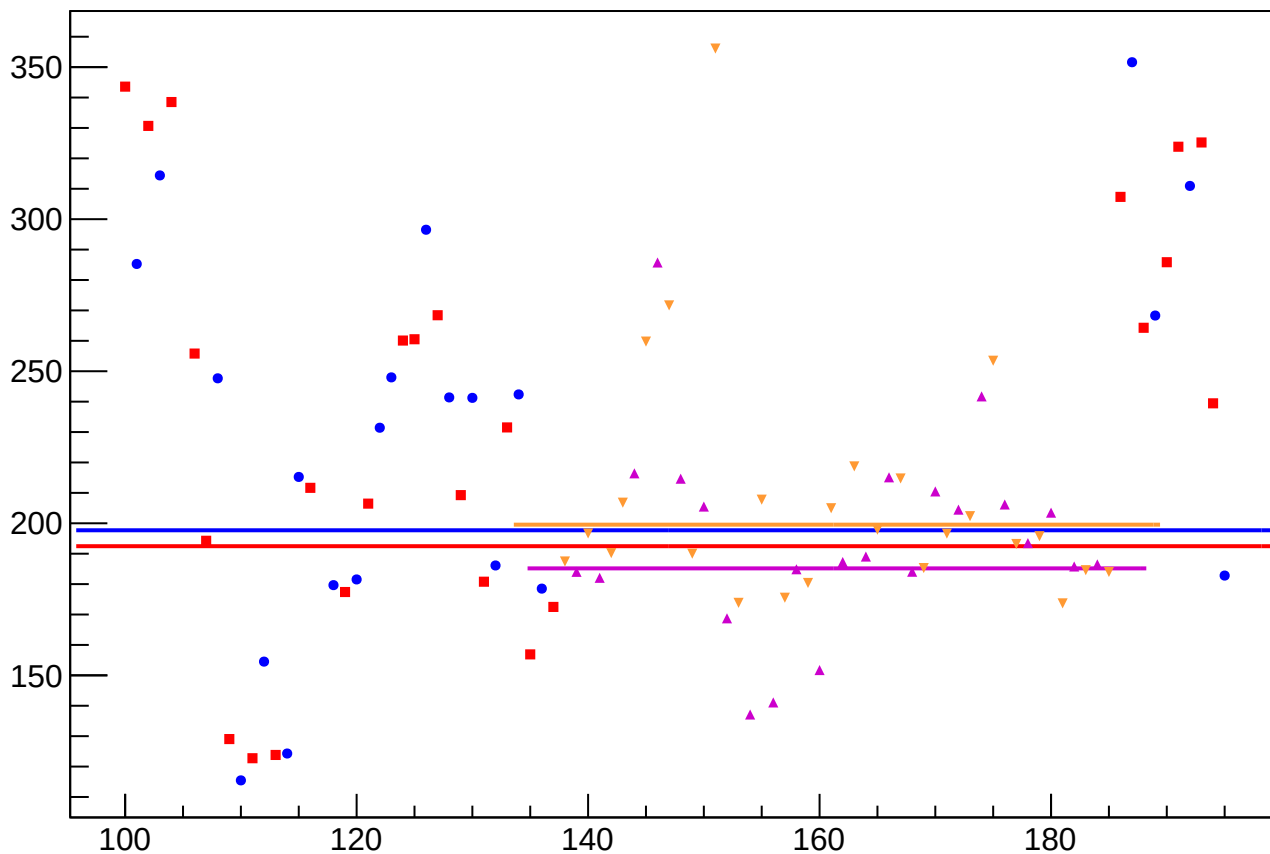
Left In: 1363.043 ± 45.807 χ^2/NDF : 11632.9/22

+ sign 459.730 ± 39.117 χ^2/NDF : 9433.4/45

All: 844.376 ± 26.940 χ^2/NDF : 29485.5/93

- sign 1191.415 ± 37.155 χ^2/NDF : 19868.1/47

asym_bpm0i05WS_rms vs Slug



Right In: 197.701 $\pm$ 0.049 χ^2 /NDF: 1372905.8/20

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

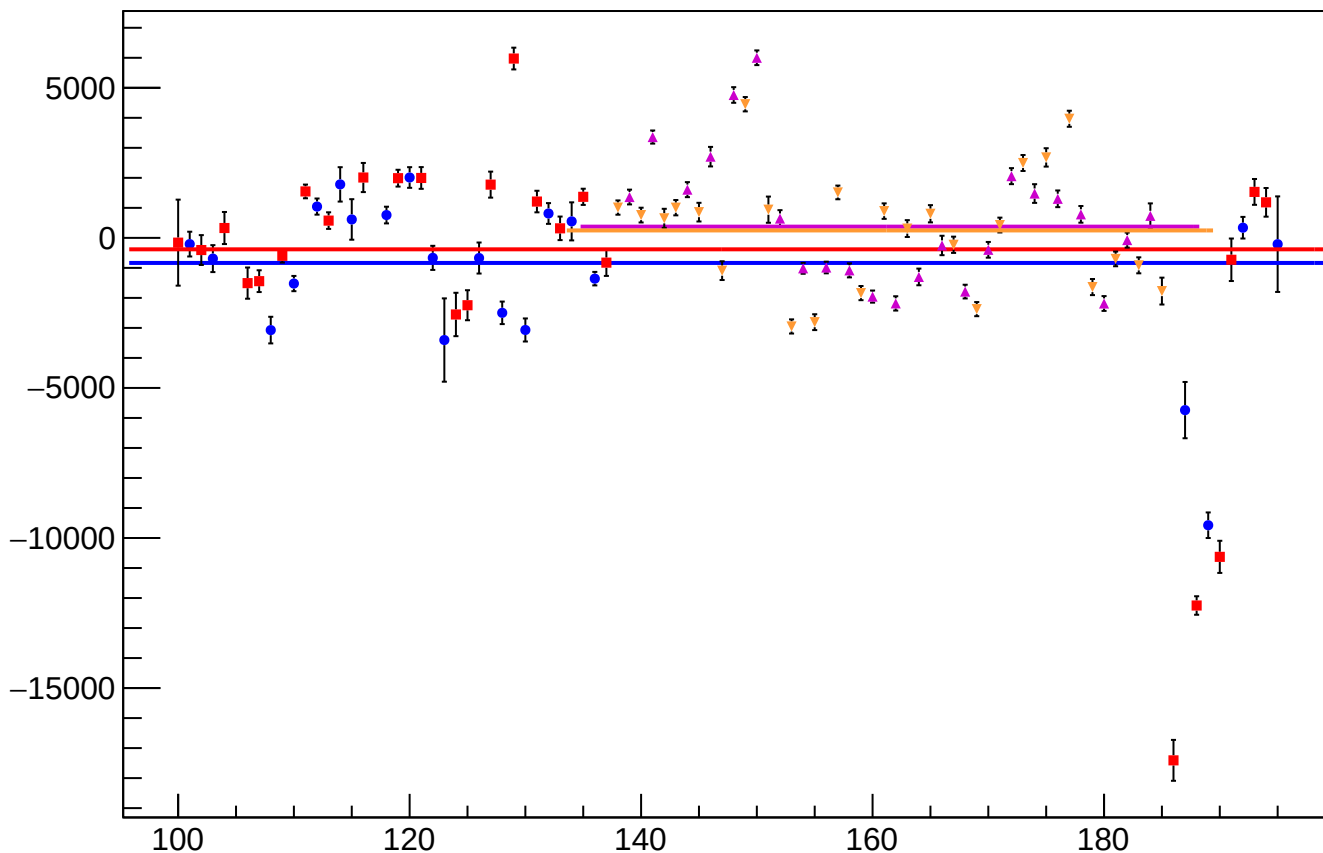
Left In: 185.171 $\pm$ 0.032 χ^2 /NDF: 882752.2/22

+ sign 198.955 $\pm$ 0.028 χ^2 /NDF: 2103232.4/45

All: 193.021 $\pm$ 0.019 χ^2 /NDF: 5203442.1/93

- sign 187.667 $\pm$ 0.026 χ^2 /NDF: 3012652.6/47

asym_bpm0i07WS_mean vs Slug



Right In: -835.188 ± 84.038 χ^2/NDF : 759.6/20

Left Out: 247.844 ± 53.555 χ^2/NDF : 1355.1/24

Right Out: -381.561 ± 75.417 χ^2/NDF : 3161.8/24

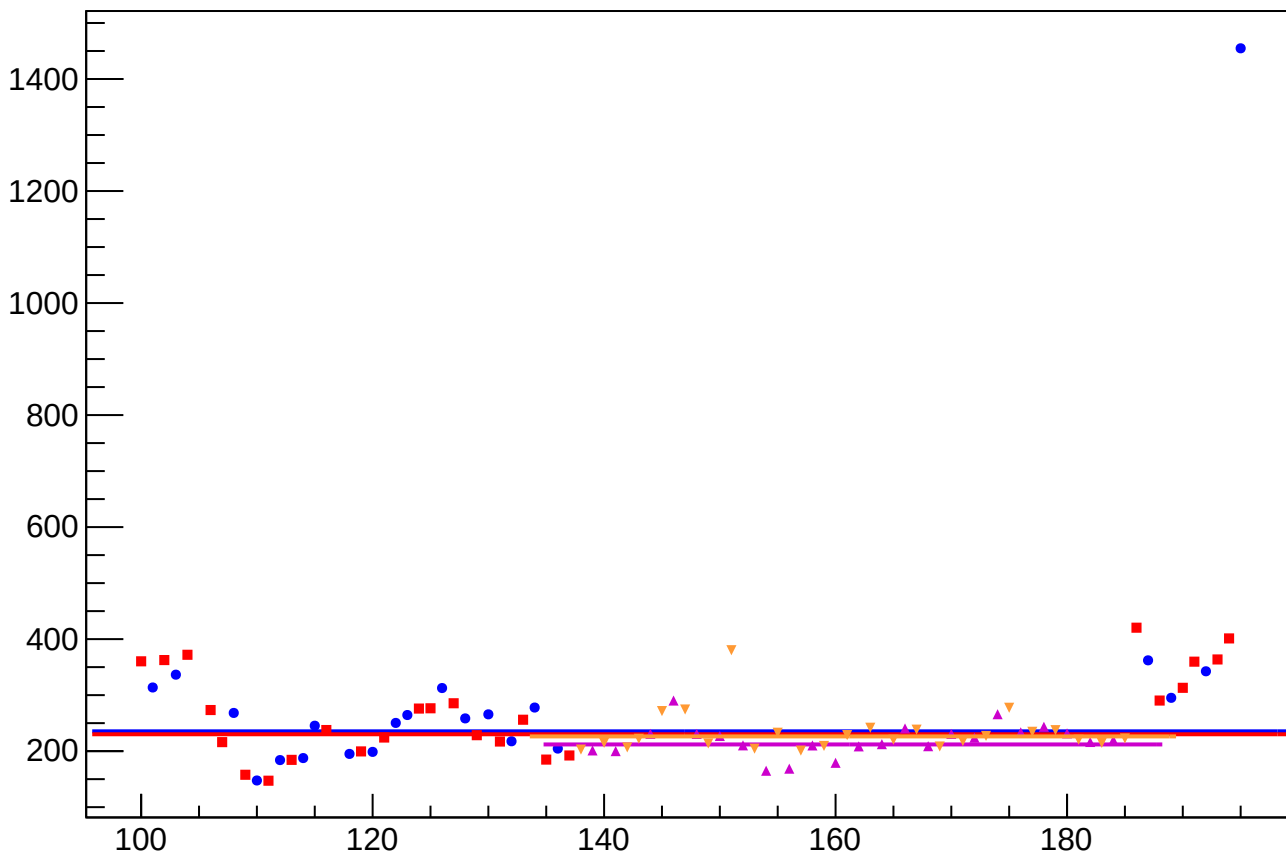
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -64.955 ± 45.164 χ^2/NDF : 2232.8/45

All: 37.837 ± 31.081 χ^2/NDF : 7273.5/93

- sign 130.313 ± 42.838 χ^2/NDF : 5030.8/47

asym_bpm0i07WS_rms vs Slug



Right In: 235.377 $\pm$ 0.059 χ^2 /NDF: 2122064.6/20

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

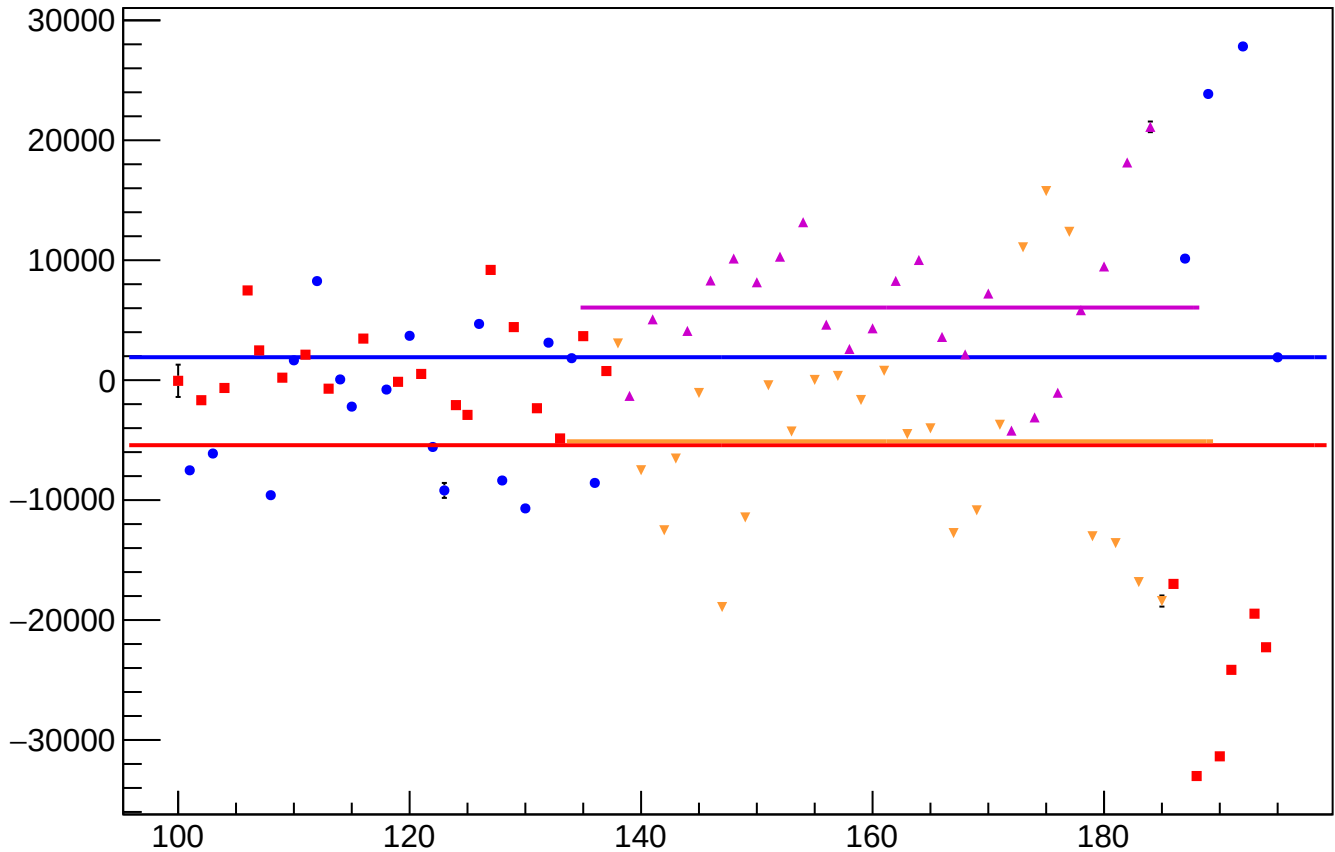
Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

+ sign 228.937 $\pm$ 0.032 χ^2 /NDF: 2659620.9/45

All: 223.090 $\pm$ 0.022 χ^2 /NDF: 5188798.5/93

- sign 217.830 $\pm$ 0.030 χ^2 /NDF: 2465502.6/47

asym_bpm1i02WS_mean vs Slug



Right In: 1913.449+/-42.157 χ^2/NDF : 66286.8/20

Left Out: -5095.305+/-33.703 χ^2/NDF : 54395.4/24

Right Out: -5422.293+/-38.826 χ^2/NDF : 99652.5/24

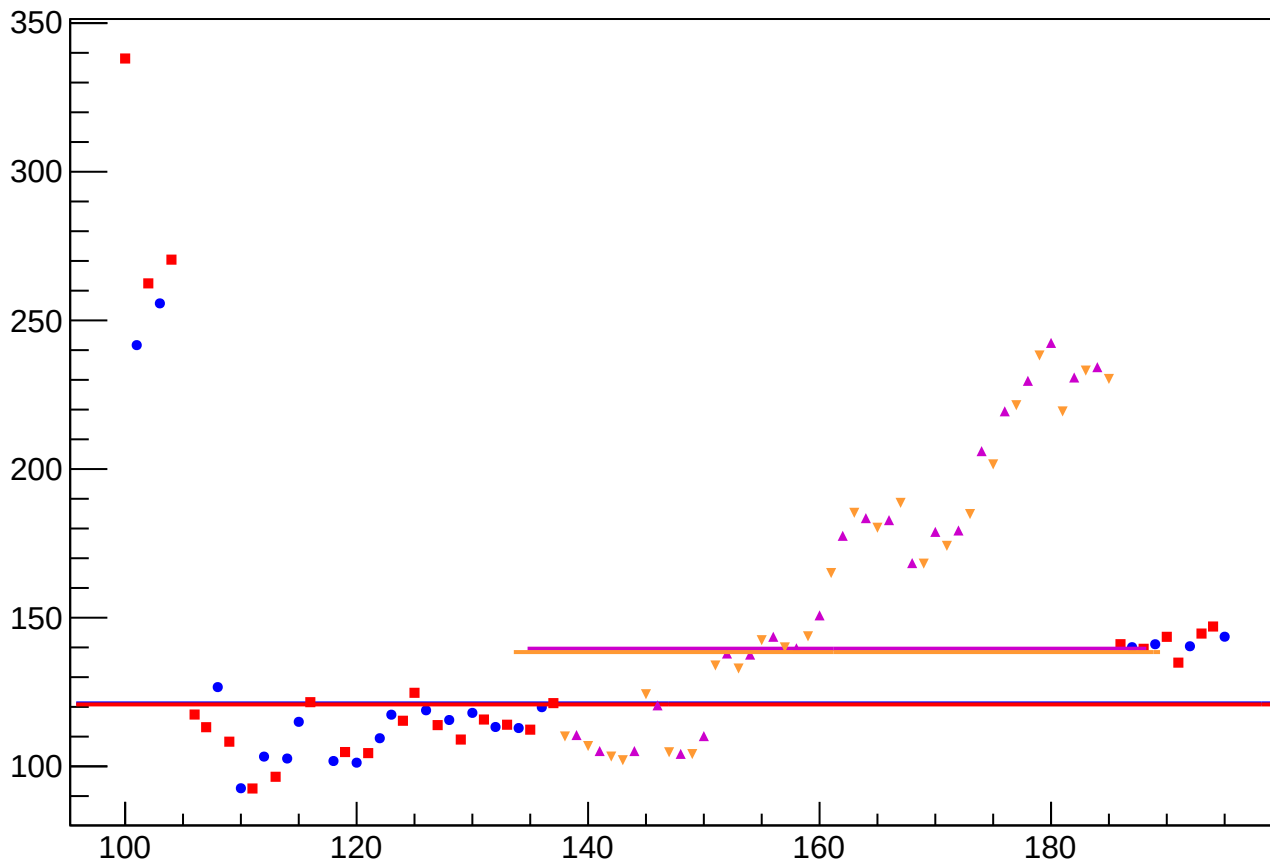
Left In: 6053.569+/-34.998 χ^2/NDF : 17590.3/22

+ sign -2362.376+/-26.325 χ^2/NDF : 137544.6/45

All: -706.075+/-18.497 χ^2/NDF : 310805.7/93

- sign 909.065+/-25.996 χ^2/NDF : 165442.1/47

asym_bpm1i02WS_rms vs Slug



Right In: 121.176+/-0.030 χ^2/NDF : 868597.8/20

Left Out: 138.436+/-0.024 χ^2/NDF : 2549435.8/24

Right Out: 120.827+/-0.027 χ^2/NDF : 1013129.4/24

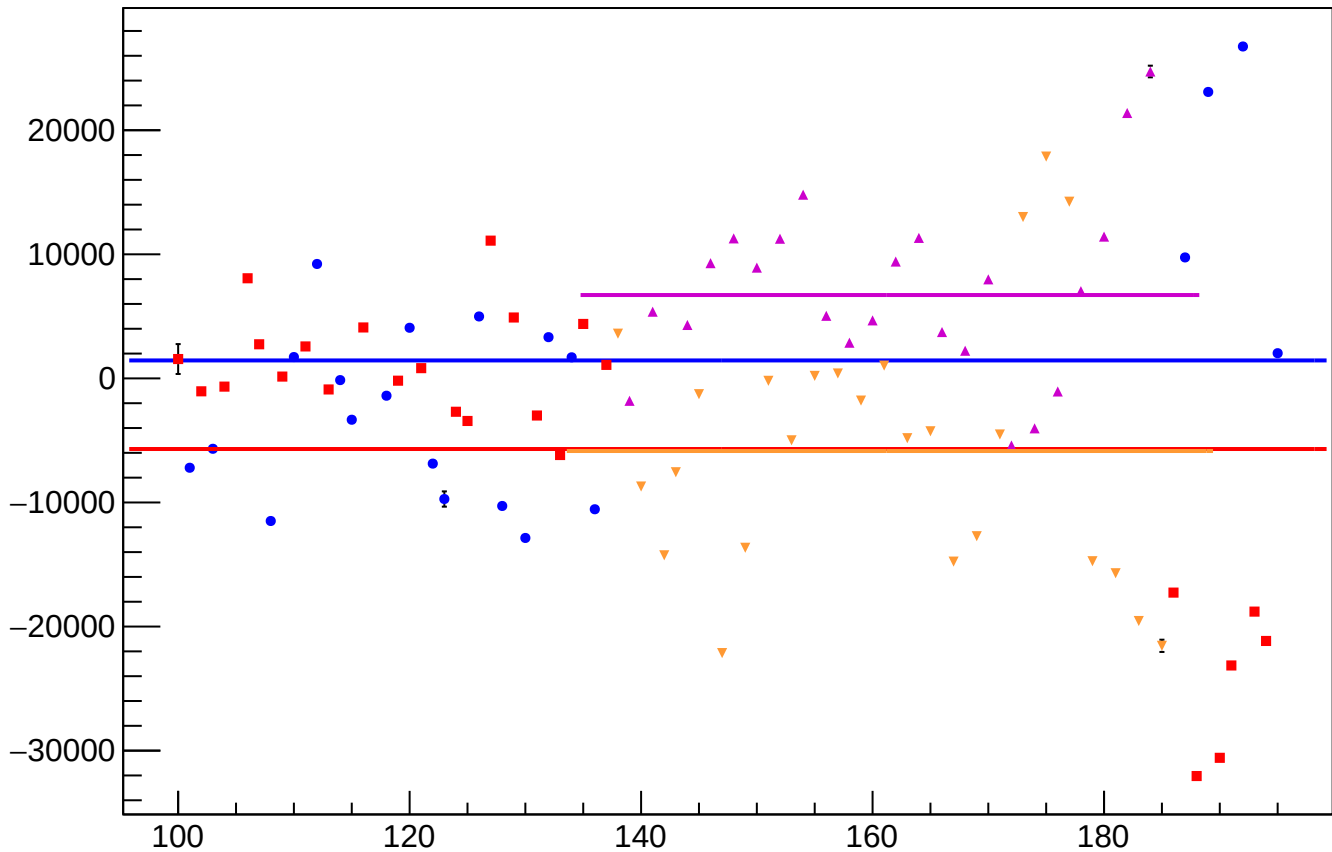
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 131.706+/-0.019 χ^2/NDF : 3622541.9/45

All: 131.436+/-0.013 χ^2/NDF : 7307098.1/93

- sign 131.172+/-0.018 χ^2/NDF : 3684140.0/47

asym_bpm2i01WS_mean vs Slug



Right In: 1447.261+/-42.651 χ^2/NDF : 71294.1/20

Left Out: -5852.544+/-35.880 χ^2/NDF : 63411.4/24

Right Out: -5691.052+/-39.432 χ^2/NDF : 99887.4/24

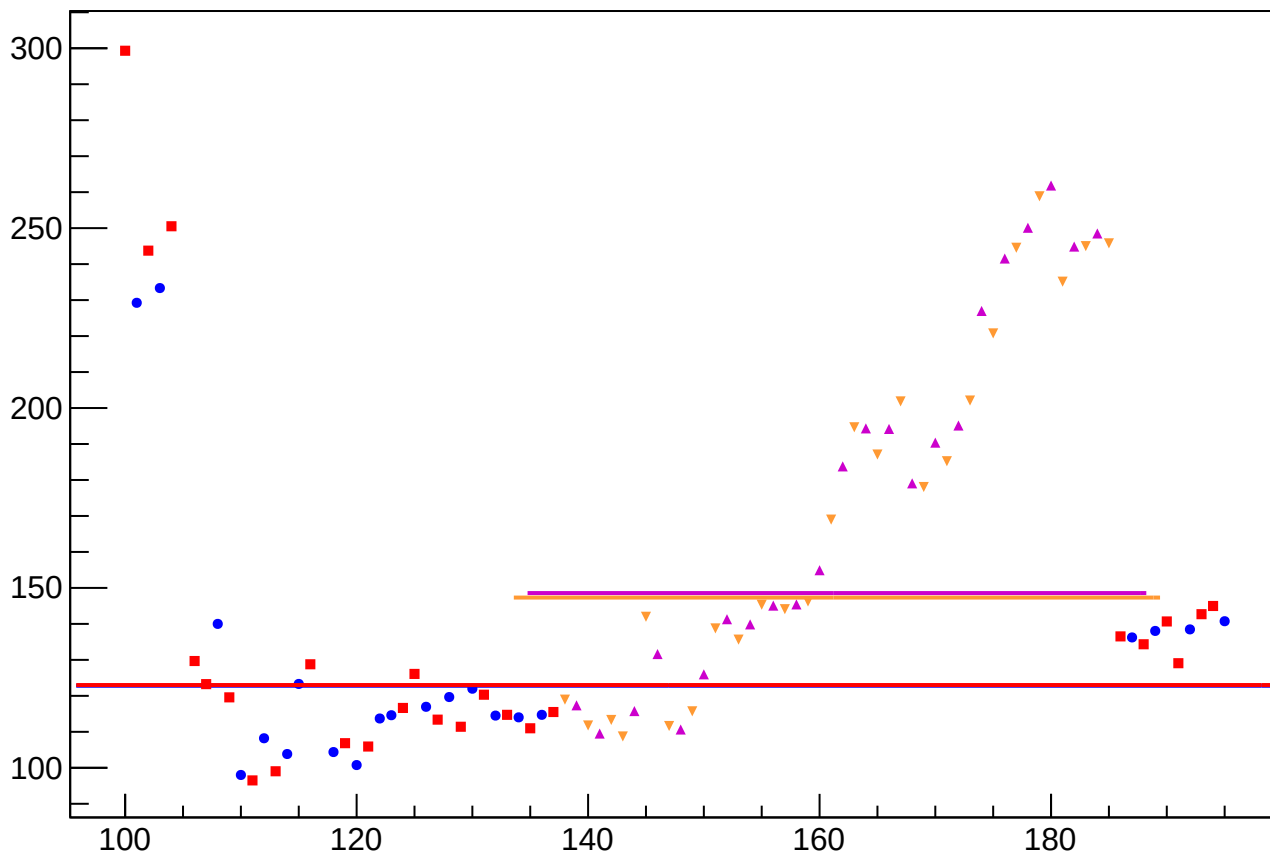
Left In: 6718.475+/-37.276 χ^2/NDF : 20934.3/22

+ sign -2827.407+/-27.456 χ^2/NDF : 151859.2/45

All: -957.638+/-19.283 χ^2/NDF : 334134.7/93

- sign 862.290+/-27.088 χ^2/NDF : 173124.1/47

asym_bpm2i01WS_rms vs Slug



Right In: 122.815+/-0.030 χ^2/NDF : 719278.9/20

Left Out: 147.317+/-0.025 χ^2/NDF : 2511679.9/24

Right Out: 123.001+/-0.028 χ^2/NDF : 822017.9/24

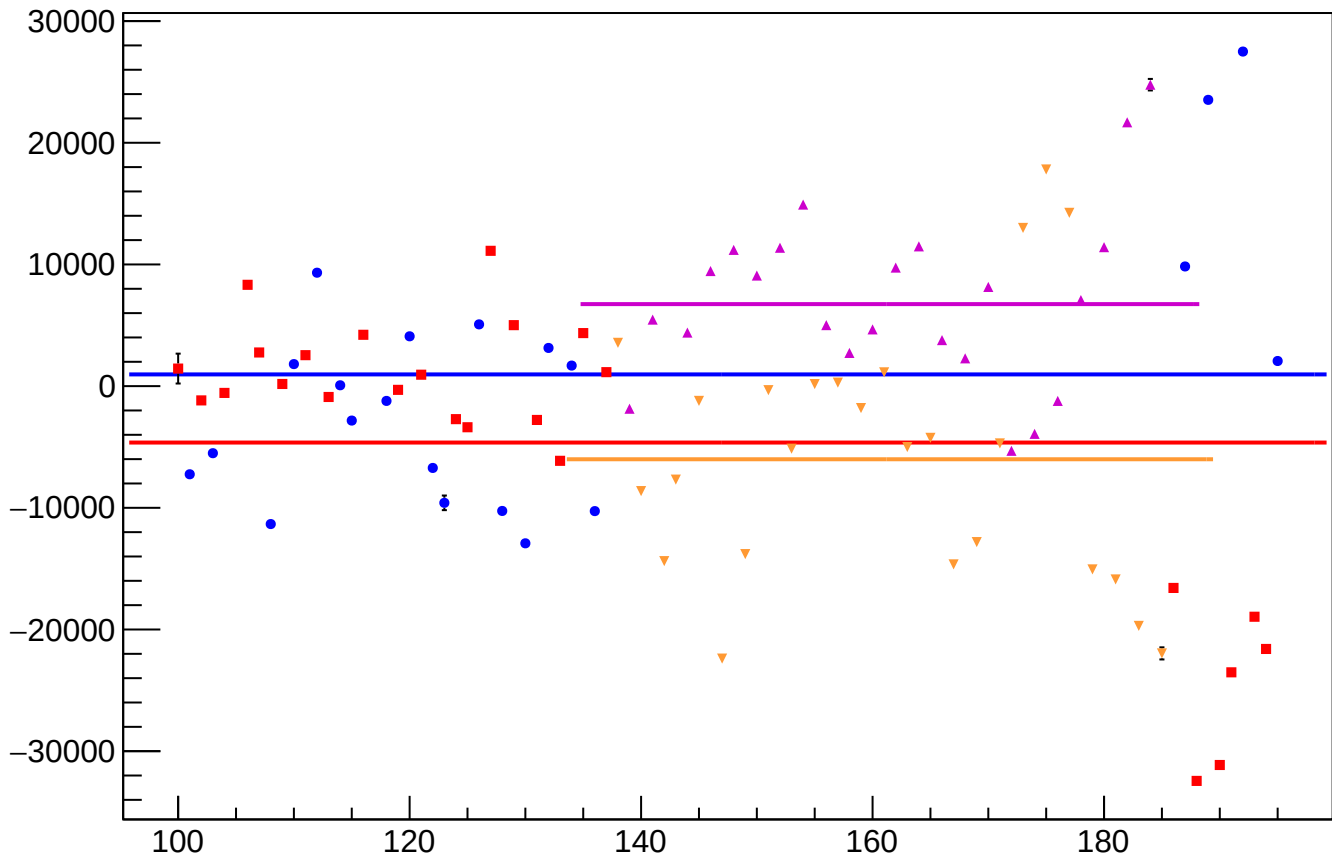
Left In: 148.569+/-0.026 χ^2/NDF : 2393185.0/22

+ sign 137.163+/-0.019 χ^2/NDF : 3617466.3/45

All: 136.829+/-0.014 χ^2/NDF : 7277274.8/93

- sign 136.503+/-0.019 χ^2/NDF : 3659222.6/47

asym_bpm2i02WS_mean vs Slug



Right In: 963.436 ± 41.703 $\chi^2/\text{NDF}: 69887.0/20$

Left Out: -6009.913 ± 35.082 $\chi^2/\text{NDF}: 67852.2/24$

Right Out: -4636.322 ± 38.834 $\chi^2/\text{NDF}: 94950.0/24$

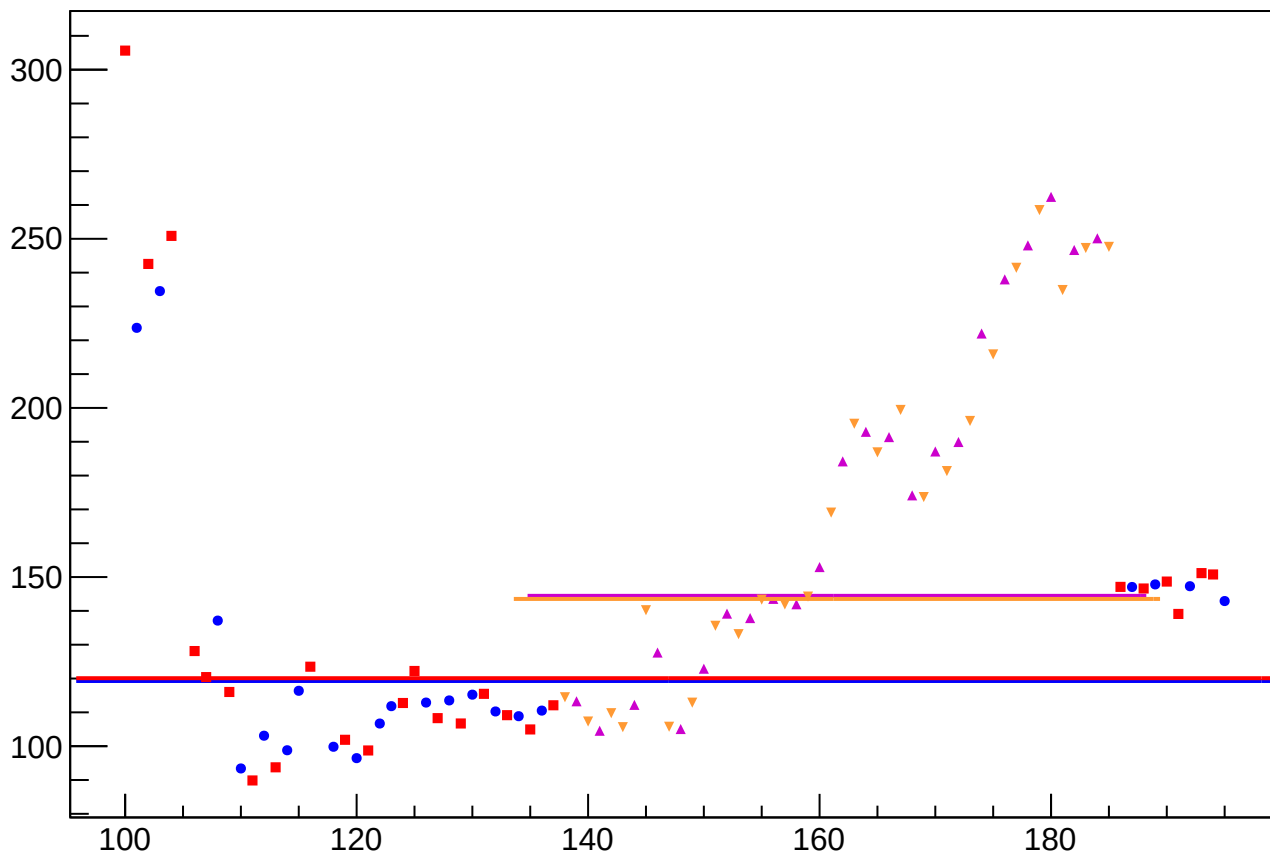
Left In: 6740.666 ± 36.379 $\chi^2/\text{NDF}: 22071.8/22$

+ sign -3120.075 ± 26.846 $\chi^2/\text{NDF}: 154112.6/45$

All: -823.255 ± 18.877 $\chi^2/\text{NDF}: 331324.8/93$

- sign 1423.046 ± 26.549 $\chi^2/\text{NDF}: 162734.1/47$

asym_bpm2i02WS_rms vs Slug



Right In: 119.275+/-0.029 χ^2/NDF : 874389.2/20

Left Out: 143.531+/-0.025 χ^2/NDF : 2704790.3/24

Right Out: 120.093+/-0.027 χ^2/NDF : 1089299.8/24

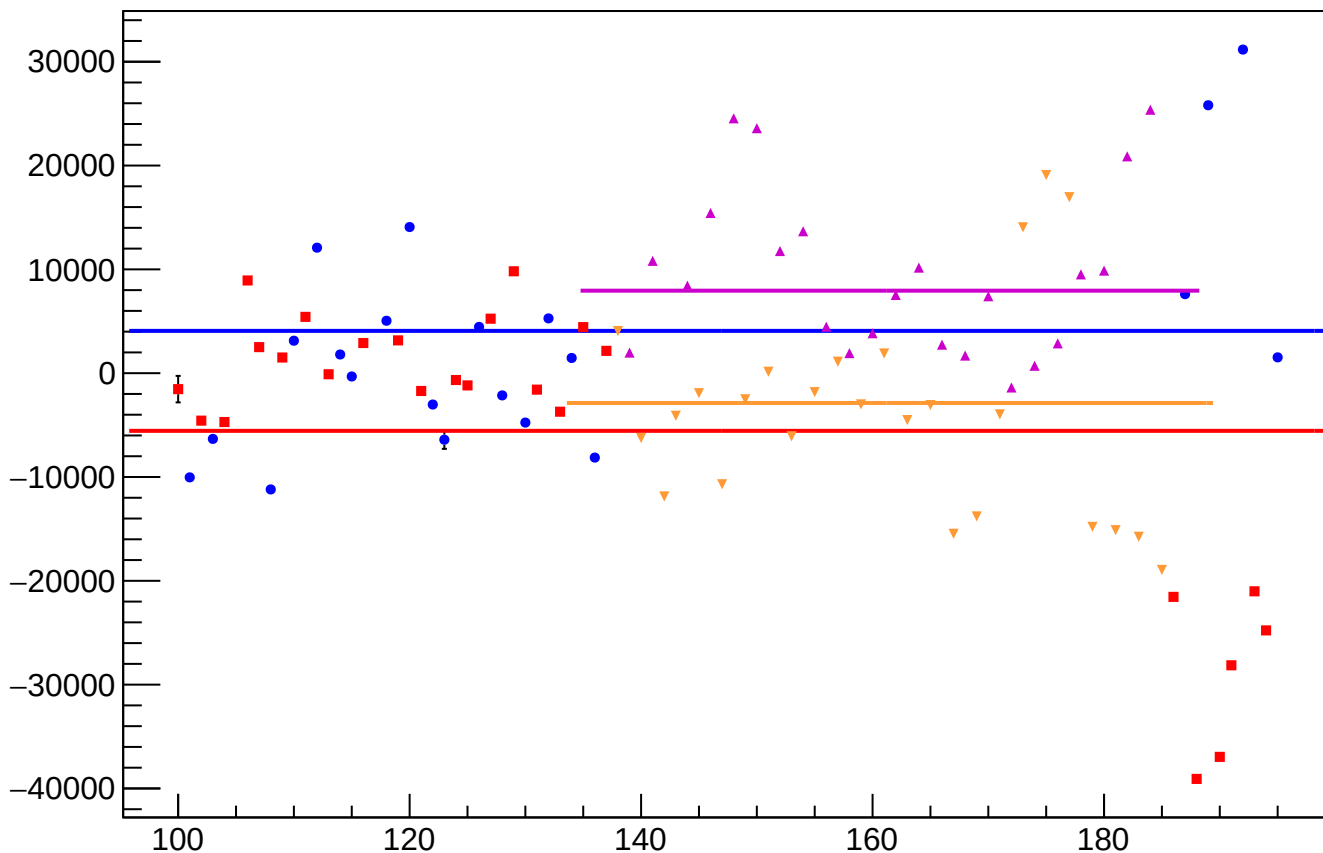
Left In: 144.440+/-0.026 χ^2/NDF : 2586926.1/22

+ sign 133.479+/-0.019 χ^2/NDF : 3975379.1/45

All: 133.267+/-0.013 χ^2/NDF : 8070531.1/93

- sign 133.060+/-0.019 χ^2/NDF : 4094906.1/47

asym_bpm0i01WS_mean vs Slug



Right In: 4075.486+/-50.359 χ^2/NDF : 51611.8/20

Left Out: -2870.473+/-39.482 χ^2/NDF : 46420.3/24

Right Out: -5553.687+/-46.830 χ^2/NDF : 92292.6/24

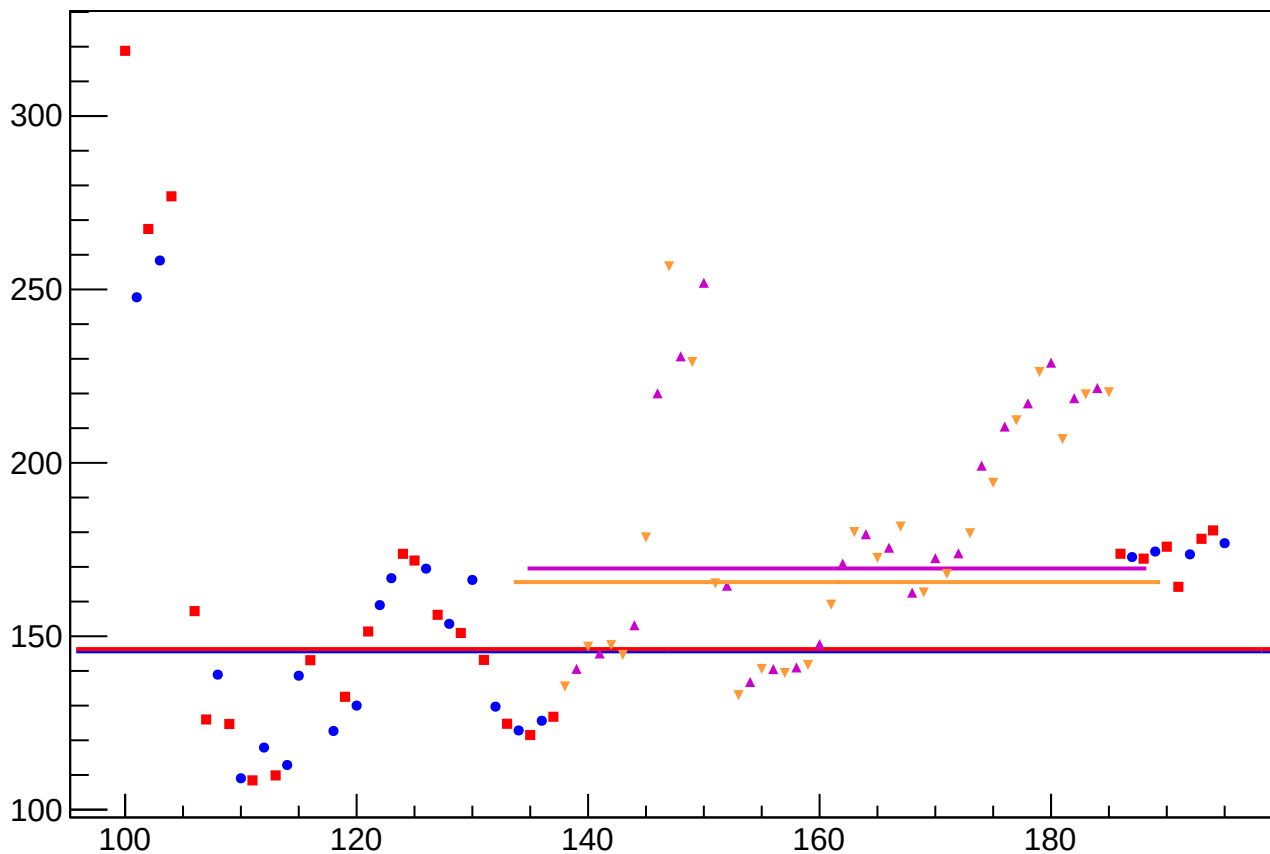
Left In: 7947.160+/-41.726 χ^2/NDF : 23874.5/22

+ sign -226.253+/-31.071 χ^2/NDF : 109814.3/45

All: 870.127+/-22.000 χ^2/NDF : 274810.0/93

- sign 1972.321+/-31.153 χ^2/NDF : 162498.9/47

asym_bpm0i01WS_rms vs Slug



Right In: 145.654+/-0.036 χ^2/NDF : 831568.1/20

Left Out: 165.616+/-0.028 χ^2/NDF :1144779.3/24

Right Out: 146.300+/-0.033 χ^2/NDF : 1004390.2/24

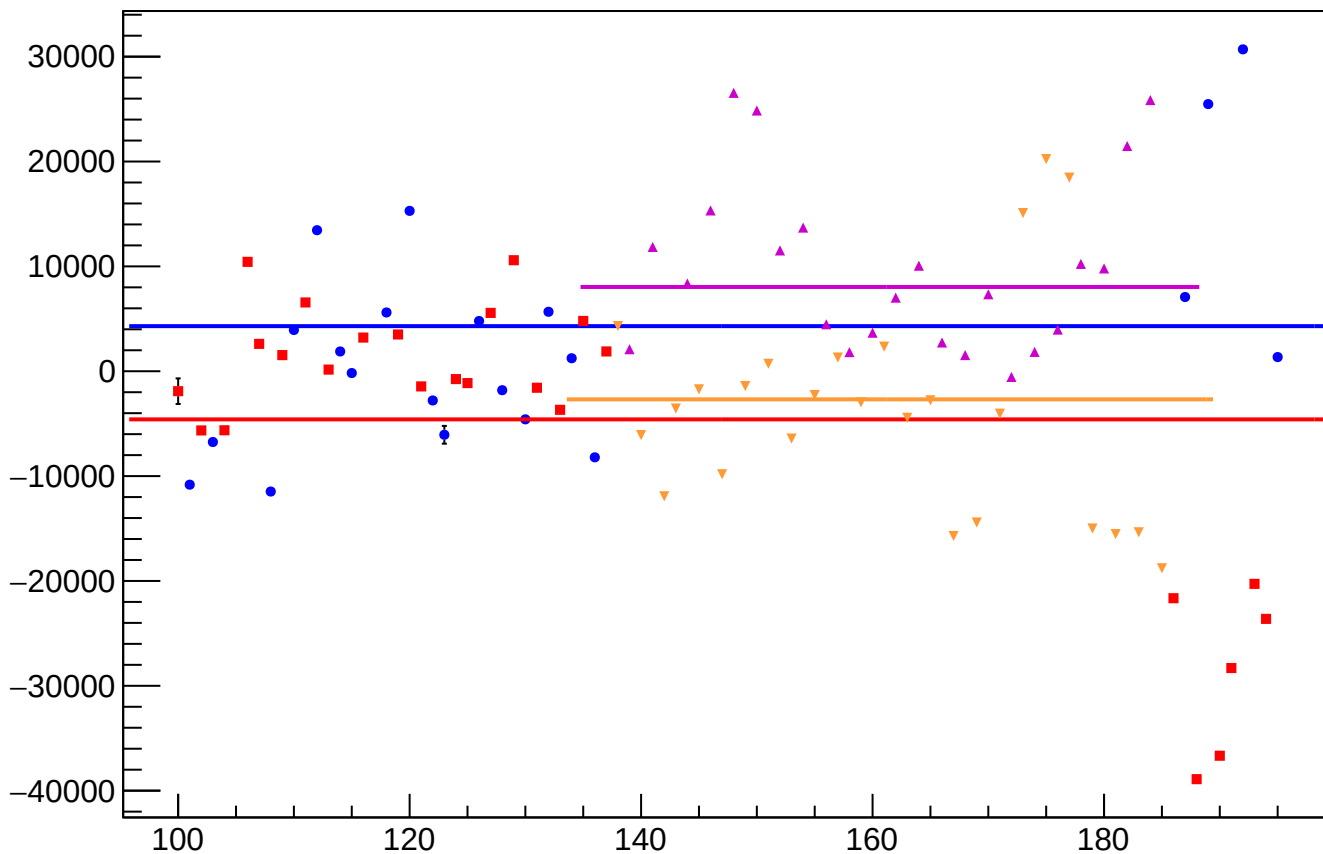
Left In: 169.542+/-0.030 χ^2/NDF :1159241.9/22

+ sign 158.017+/-0.022 χ^2/NDF : 2170978.8/45

All: 158.635+/-0.016 χ^2/NDF : 4610806.9/93

- sign 159.256+/-0.022 χ^2/NDF : 2438242.1/47

asym_bpm0i01aWS_mean vs Slug



Right In: 4301.056+/-42.167 χ^2/NDF : 71814.3/20

Left Out: -2680.012+/-35.764 χ^2/NDF : 56820.4/24

Right Out: -4590.736+/-38.944 χ^2/NDF : 128043.2/24

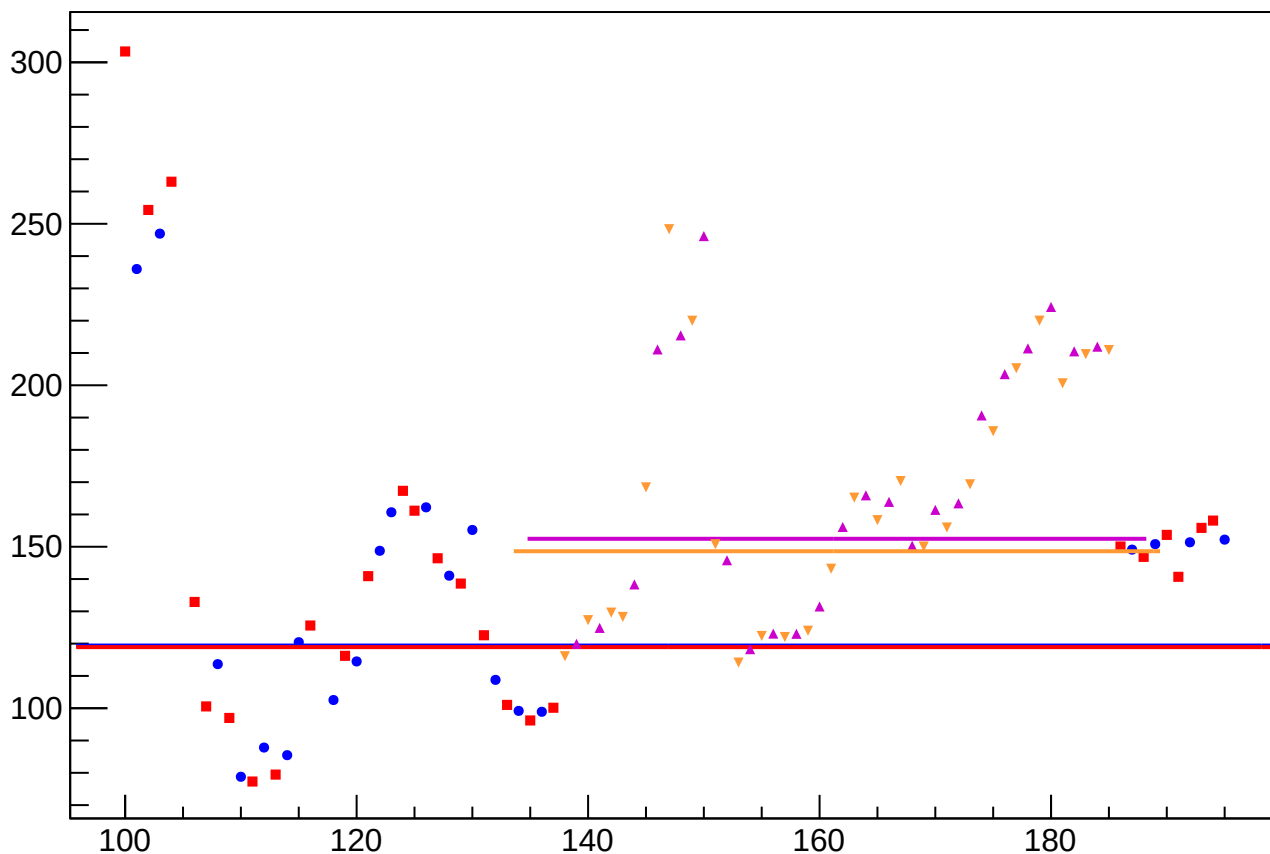
Left In: 8036.826+/-37.924 χ^2/NDF : 29261.6/22

+ sign 240.757+/-27.275 χ^2/NDF : 144576.5/45

All: 1068.779+/-19.249 χ^2/NDF : 357681.2/93

- sign 1890.444+/-27.170 χ^2/NDF : 211268.5/47

asym_bpm0i01aWS_rms vs Slug



Right In: 119.407 $\pm$ 0.030 χ^2 /NDF: 1381448.5/20

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

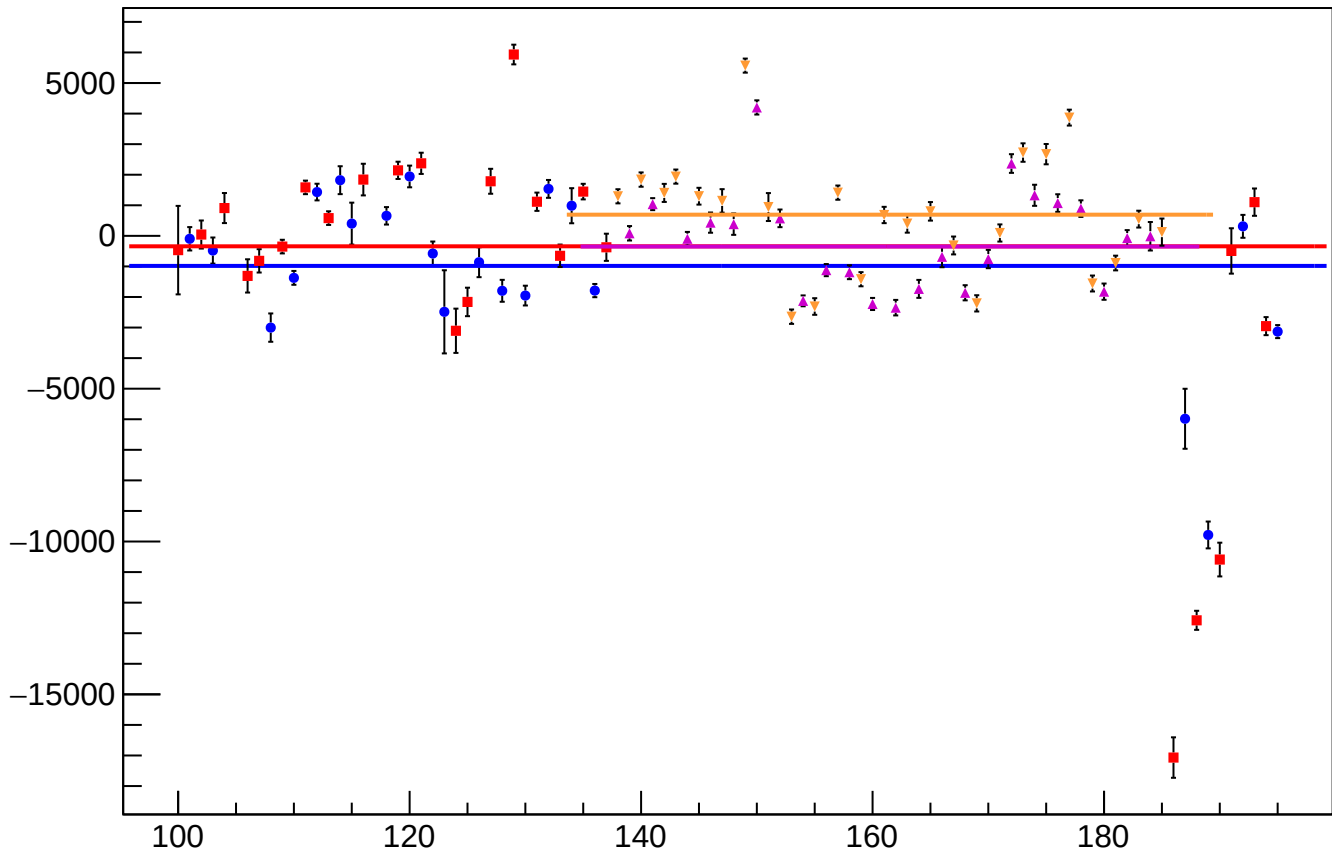
Left In: 152.463 $\pm$ 0.027 χ^2 /NDF:1691517.7/22

+ sign 136.392 $\pm$ 0.019 χ^2 /NDF: 3624833.0/45

All: 136.264 $\pm$ 0.014 χ^2 /NDF: 7763735.1/93

- sign 136.136 $\pm$ 0.019 χ^2 /NDF: 4138813.5/47

asym_bpm0l01WS_mean vs Slug



Right In: -983.037 ± 75.155 χ^2/NDF : 908.1/20

Left Out: 692.998 ± 54.303 χ^2/NDF : 1422.0/24

Right Out: -341.970 ± 70.713 χ^2/NDF : 3384.0/24

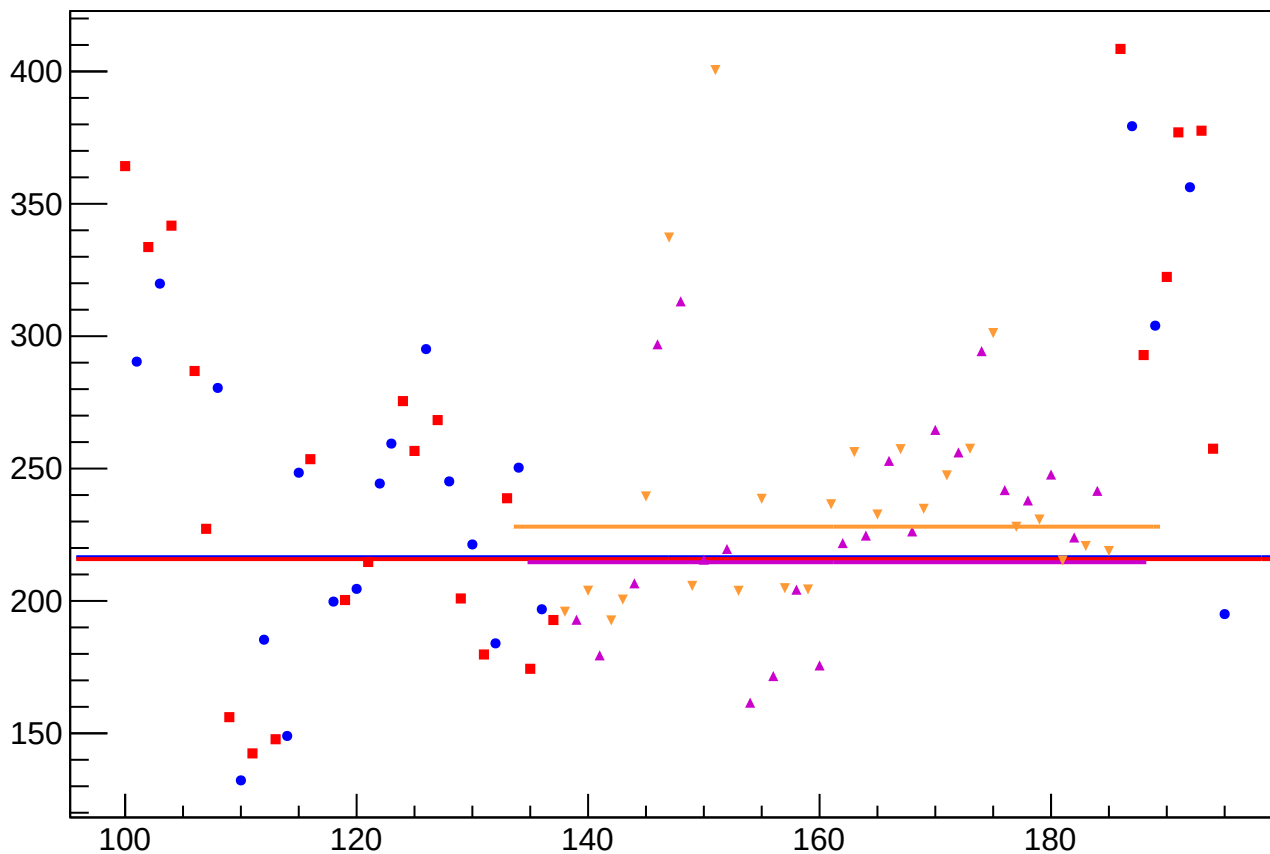
Left In: -349.623 ± 53.094 χ^2/NDF : 981.0/22

+ sign 118.110 ± 44.016 χ^2/NDF : 2656.9/45

All: -122.750 ± 30.558 χ^2/NDF : 7079.7/93

- sign -346.864 ± 42.458 χ^2/NDF : 4364.9/47

asym_bpm0l01WS_rms vs Slug



Right In: 216.512 $\pm$ 0.053 χ^2 /NDF: 1148416.3/20

Left Out: 228.061 $\pm$ 0.038 χ^2 /NDF: 826343.8/24

Right Out: 215.808 $\pm$ 0.050 χ^2 /NDF: 1808833.6/24

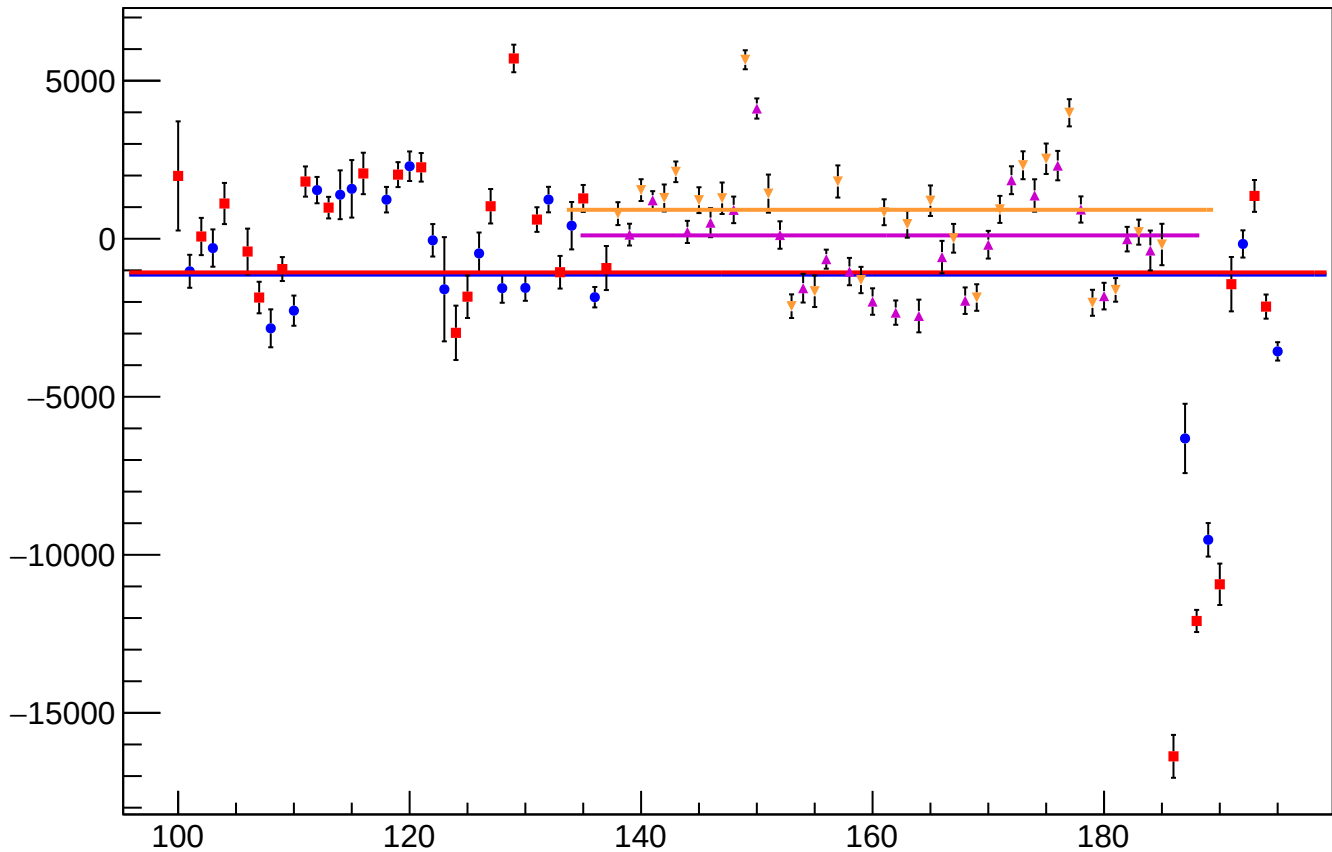
Left In: 214.627 $\pm$ 0.038 χ^2 /NDF: 1025683.3/22

+ sign 224.100 $\pm$ 0.031 χ^2 /NDF: 2005787.6/45

All: 219.413 $\pm$ 0.022 χ^2 /NDF: 4884427.0/93

- sign 215.053 $\pm$ 0.030 χ^2 /NDF: 2834873.7/47

asym_bpm0l02WS_mean vs Slug



Right In: -1135.417 ± 105.823 χ^2/NDF : 563.5/20

Left Out: 915.968 ± 83.398 χ^2/NDF : 618.3/24

Right Out: -1065.022 ± 100.013 χ^2/NDF : 2300.9/24

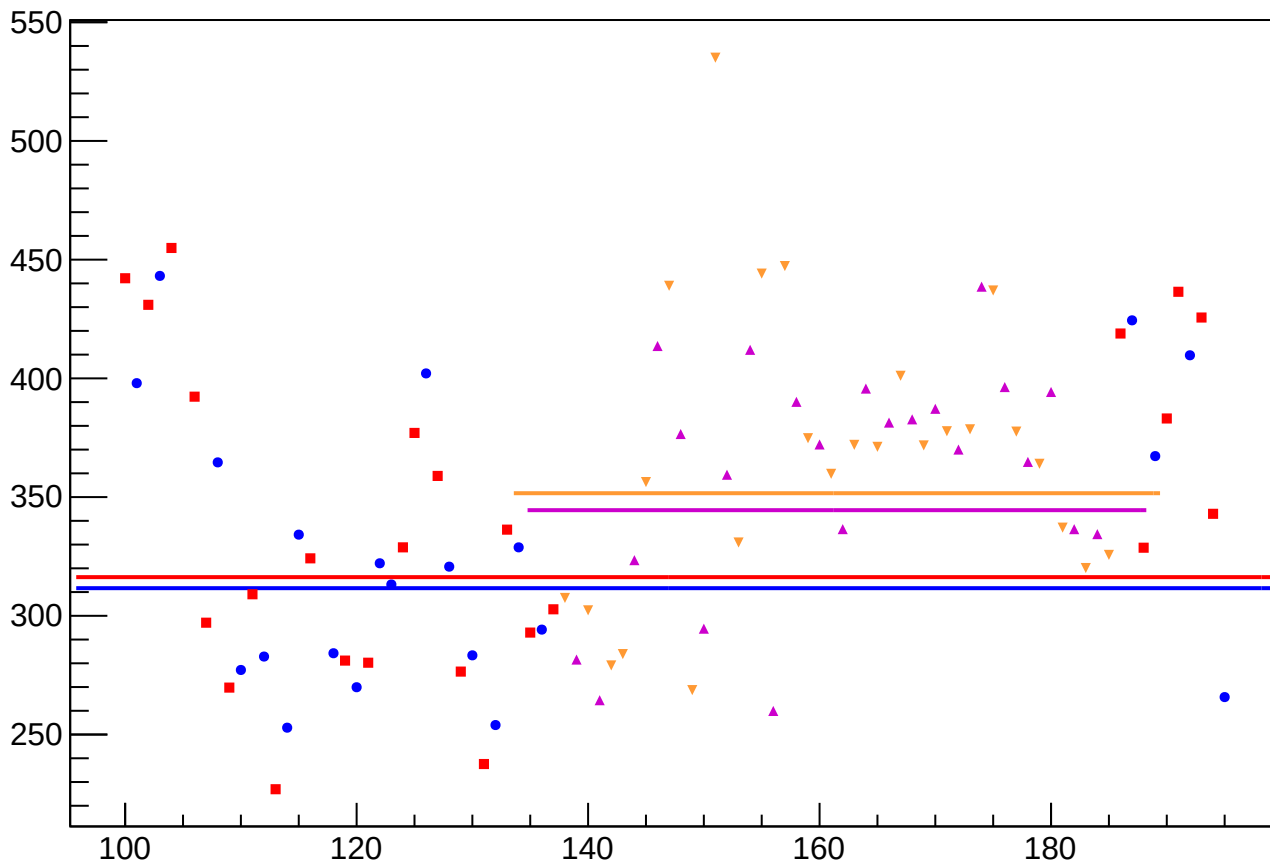
Left In: 106.116 ± 84.393 χ^2/NDF : 390.3/22

+ sign 130.018 ± 65.502 χ^2/NDF : 1413.6/45

All: -129.415 ± 45.958 χ^2/NDF : 4215.7/93

- sign -380.962 ± 64.498 χ^2/NDF : 2771.2/47

asym_bpm0l02WS_rms vs Slug



Right In: 311.641 $\pm$ 0.075 χ^2 /NDF: 520443.7/20

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

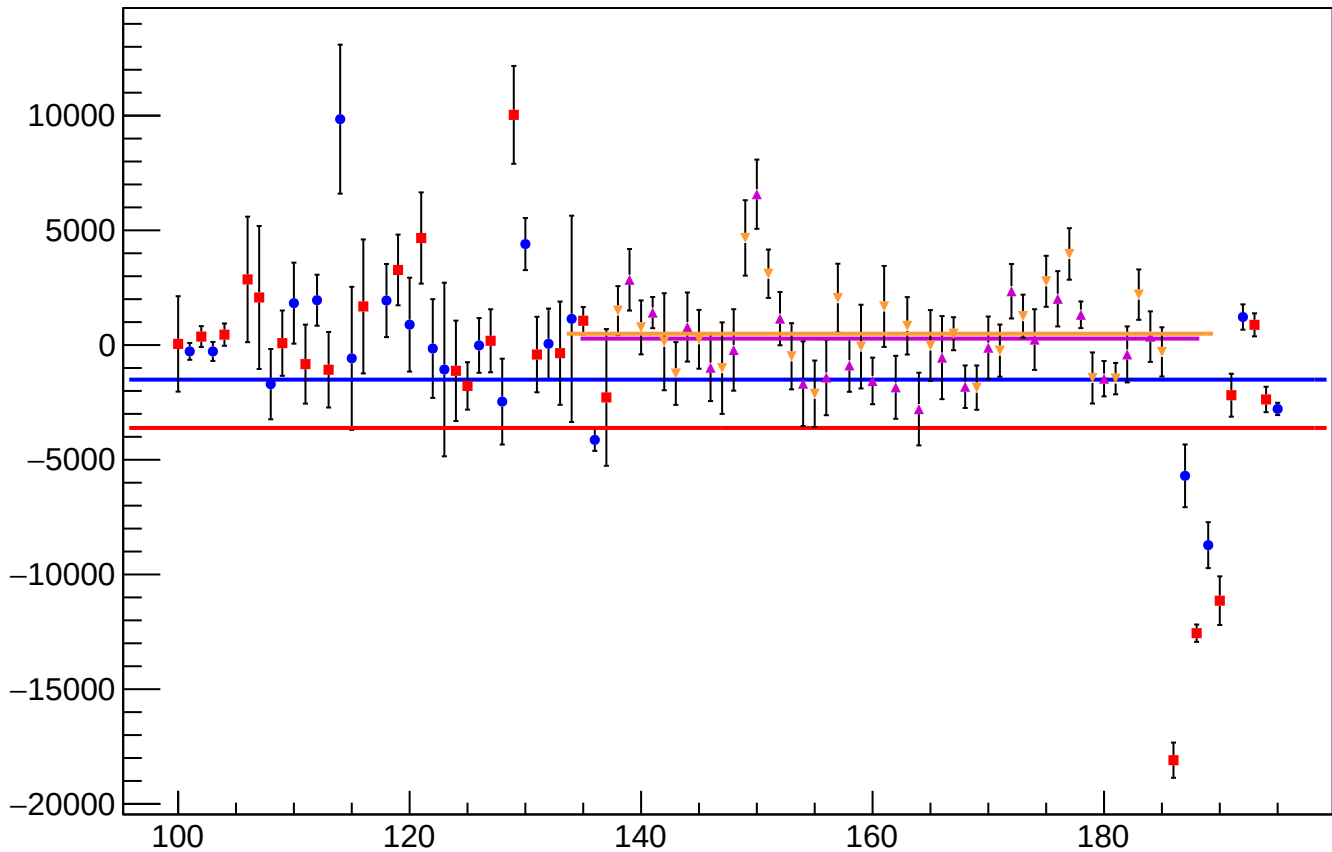
Left In: 344.491 $\pm$ 0.060 χ^2 /NDF: 768885.4/22

+ sign 336.311 $\pm$ 0.046 χ^2 /NDF: 1604493.5/45

All: 334.509 $\pm$ 0.032 χ^2 /NDF: 3216905.0/93

- sign 332.761 $\pm$ 0.046 χ^2 /NDF: 1609429.2/47

asym_bpm0l03WS_mean vs Slug



Right In: -1506.690 ± 155.668 χ^2/NDF : 221.0/20

Left Out: 495.014 ± 231.058 χ^2/NDF : 56.2/24

Right Out: -3613.665 ± 169.421 χ^2/NDF : 1384.8/24

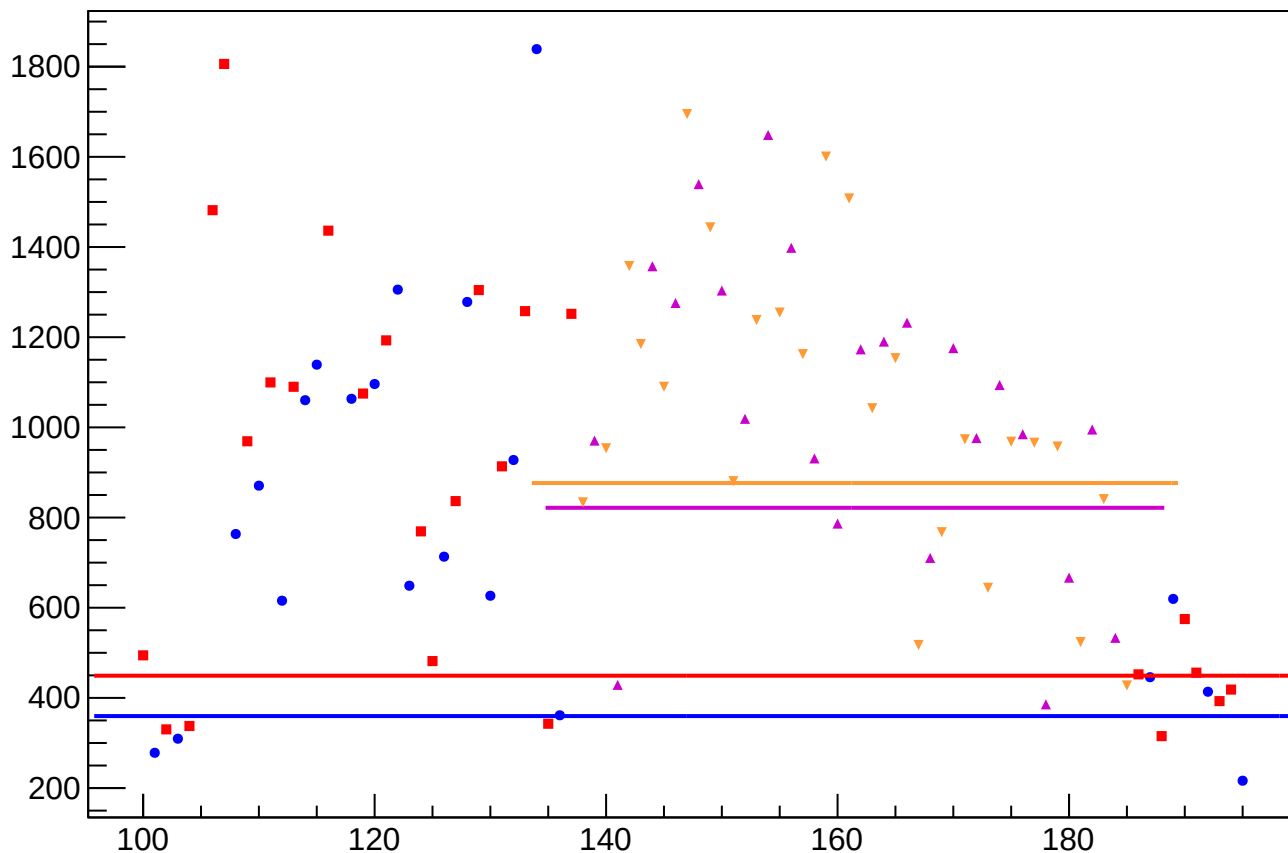
Left In: 280.692 ± 232.048 χ^2/NDF : 57.2/22

+ sign -881.771 ± 129.102 χ^2/NDF : 328.8/45

All: -1530.645 ± 93.903 χ^2/NDF : 2008.2/93

- sign -2259.547 ± 136.832 χ^2/NDF : 1625.7/47

asym_bpm0l03WS_rms vs Slug



Right In: 359.686 $\pm$ 0.110 χ^2 /NDF: 3797172.8/20

Left Out: 876.560 $\pm$ 0.163 χ^2 /NDF:3434698.7/24

Right Out: 449.229 $\pm$ 0.120 χ^2 /NDF: 4061971.4/24

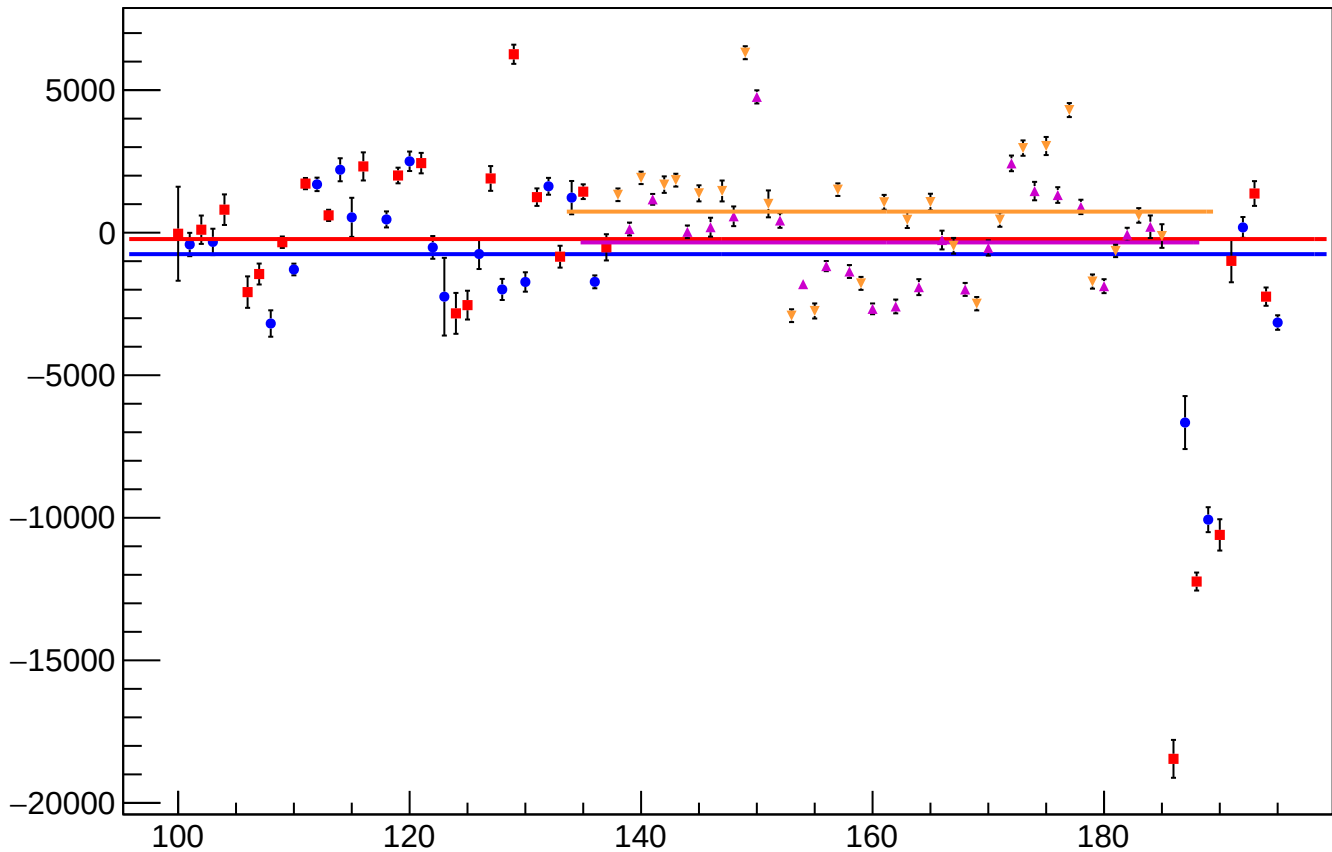
Left In: 821.657 $\pm$ 0.164 χ^2 /NDF:4443094.2/22

+ sign 521.050 $\pm$ 0.091 χ^2 /NDF: 14115604.1/45

All: 548.214 $\pm$ 0.066 χ^2 /NDF: 26169130.9/93

- sign 578.727 $\pm$ 0.097 χ^2 /NDF: 11865529.9/47

asym_bpm0l04WS_mean vs Slug



Right In: -753.315 ± 75.378 χ^2/NDF : 1014.2/20

Left Out: 738.847 ± 51.649 χ^2/NDF : 1935.2/24

Right Out: -224.264 ± 69.057 χ^2/NDF : 3399.5/24

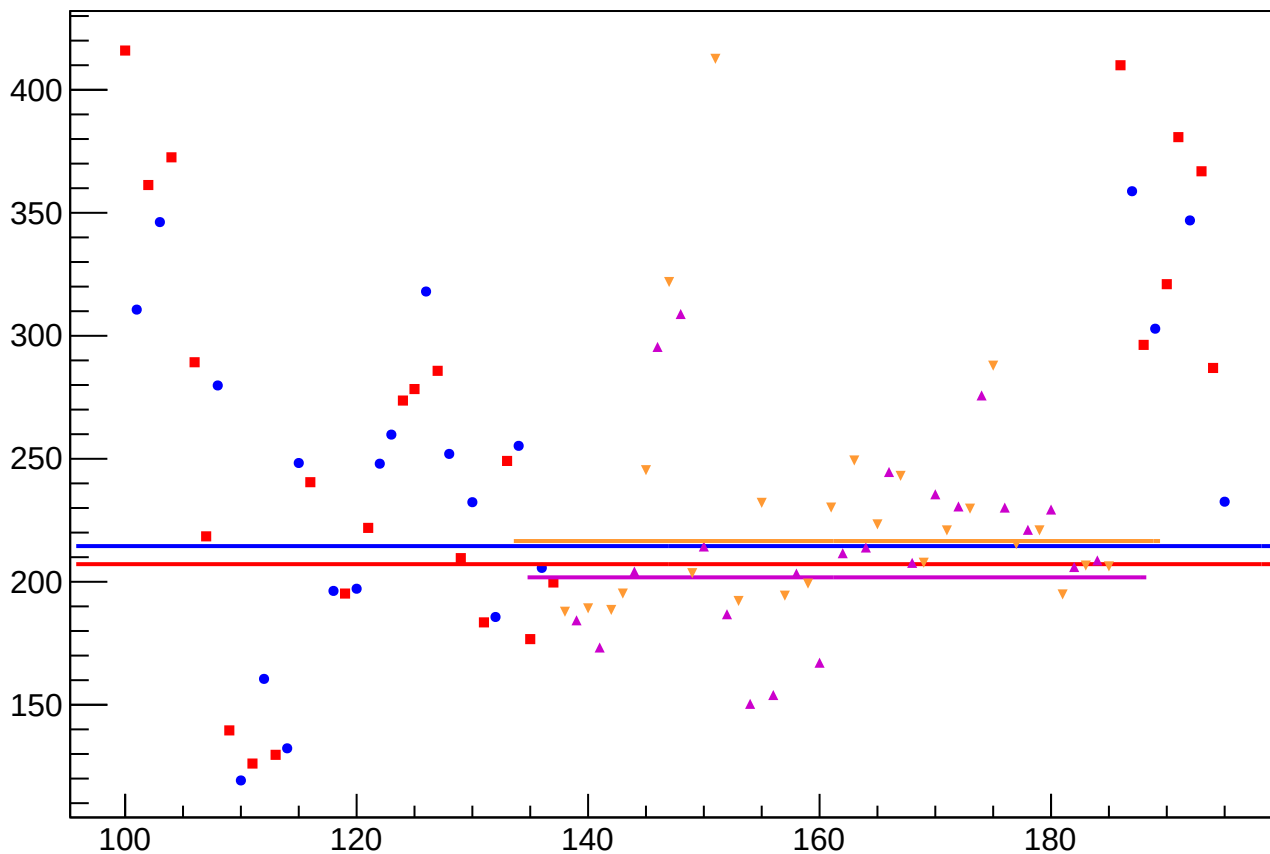
Left In: -342.465 ± 50.044 χ^2/NDF : 1254.9/22

+ sign 262.110 ± 42.607 χ^2/NDF : 3216.1/45

All: -33.955 ± 29.363 χ^2/NDF : 7964.4/93

- sign -301.765 ± 40.523 χ^2/NDF : 4656.3/47

asym_bpm0l04WS_rms vs Slug



Right In: 214.513 $\pm$ 0.053 χ^2 /NDF: 1504426.4/20

Left Out: 216.574 $\pm$ 0.037 χ^2 /NDF:886214.1/24

+ sign 215.916 $\pm$ 0.030 χ^2 /NDF: 2391658.1/45

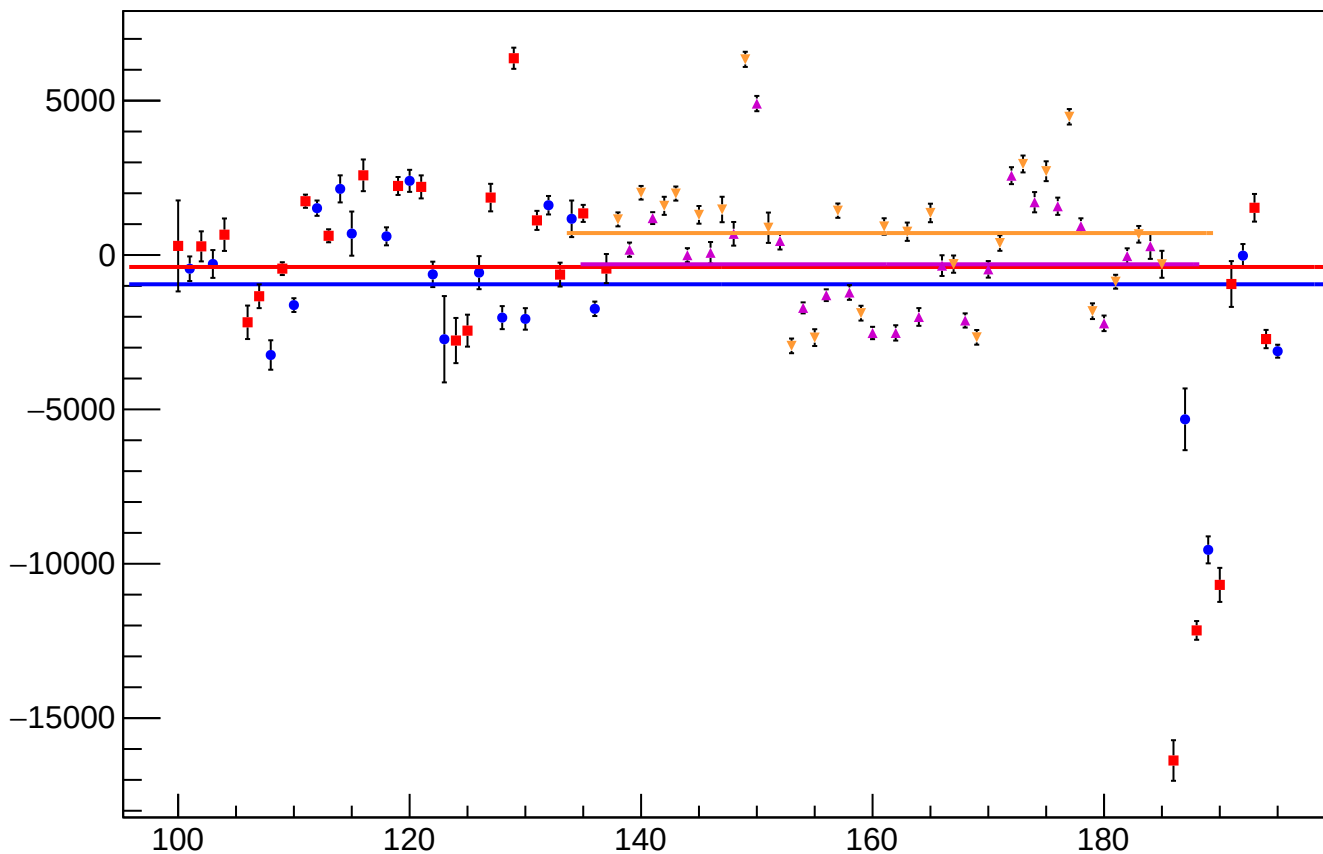
Right Out: 207.167 $\pm$ 0.049 χ^2 /NDF: 2472087.4/24

All: 209.476 $\pm$ 0.021 χ^2 /NDF: 6045899.2/93

Left In: 201.805 $\pm$ 0.035 χ^2 /NDF:1087243.4/22

- sign 203.652 $\pm$ 0.029 χ^2 /NDF: 3567235.5/47

asym_bpm0l05WS_mean vs Slug



Right In: -948.013 ± 76.171 χ^2/NDF : 943.5/20

Left Out: 711.174 ± 53.245 χ^2/NDF : 1835.3/24

Right Out: -387.426 ± 71.182 χ^2/NDF : 3337.6/24

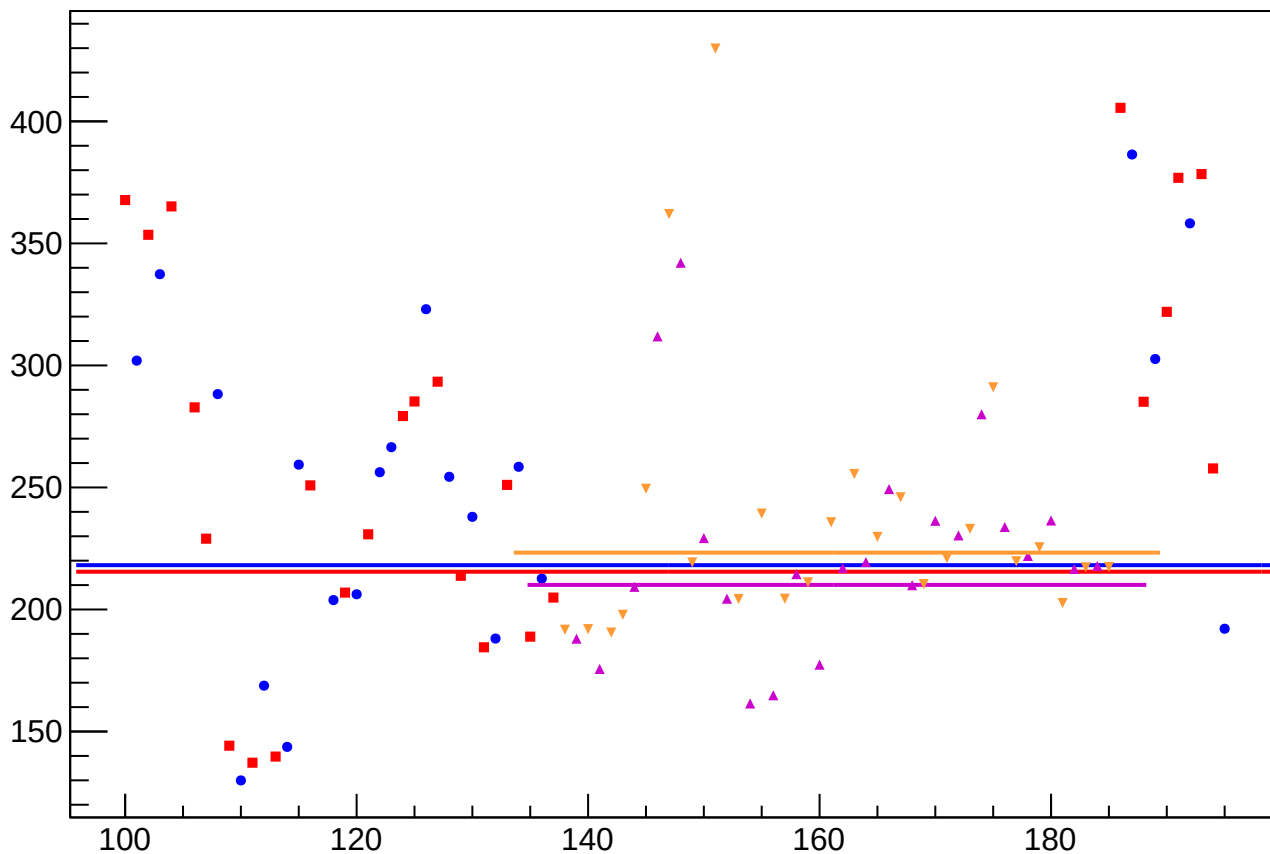
Left In: -300.516 ± 51.984 χ^2/NDF : 1208.6/22

+ sign 166.562 ± 43.640 χ^2/NDF : 3097.6/45

All: -91.726 ± 30.254 χ^2/NDF : 7712.2/93

- sign -330.746 ± 41.981 χ^2/NDF : 4547.2/47

asym_bpm0l05WS_rms vs Slug



Right In: 218.161 $\pm$ 0.054 χ^2 /NDF: 1326287.1/20

Left Out: 223.296 $\pm$ 0.038 χ^2 /NDF:922768.4/24

Right Out: 215.476 $\pm$ 0.050 χ^2 /NDF: 2069361.8/24

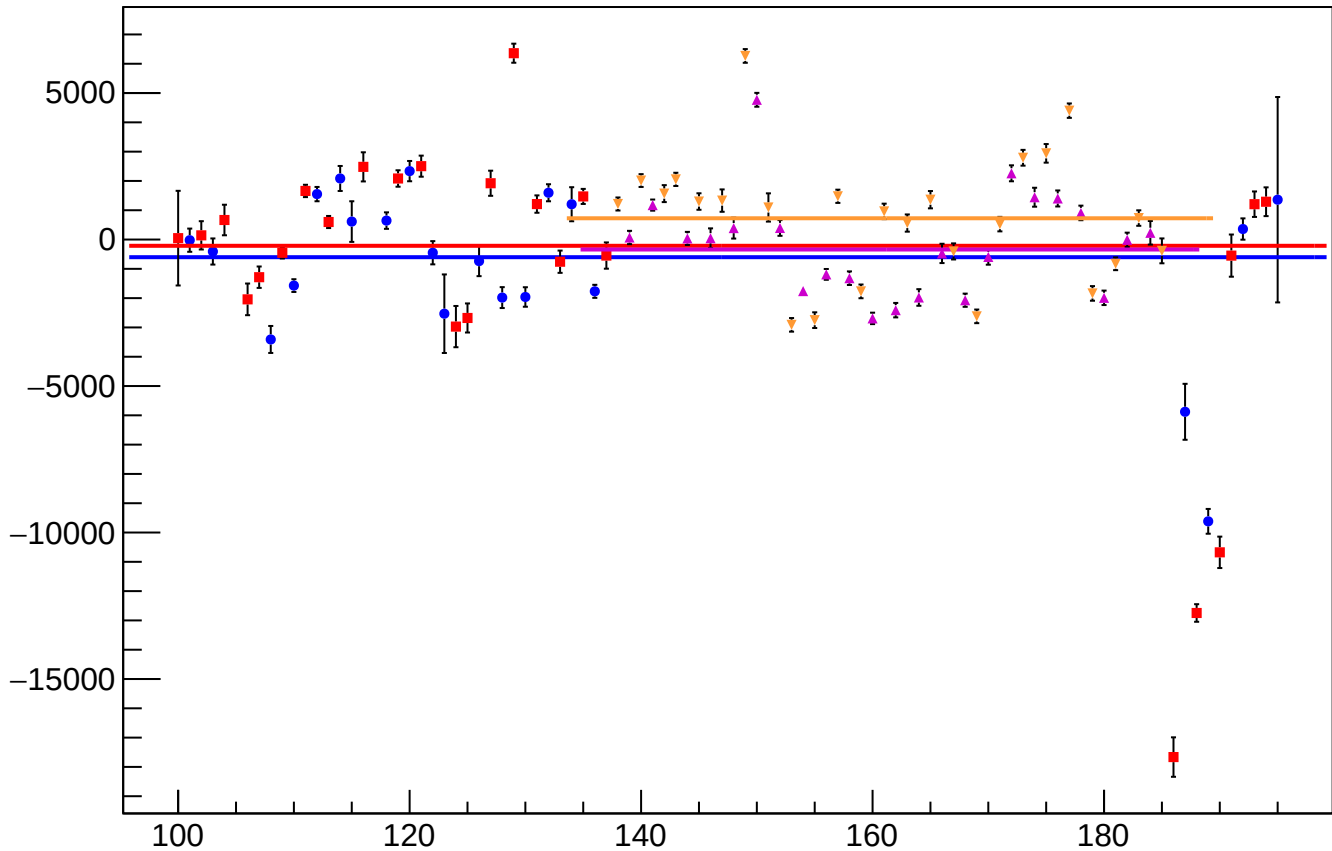
Left In: 210.080 $\pm$ 0.037 χ^2 /NDF:1015274.5/22

+ sign 221.611 $\pm$ 0.031 χ^2 /NDF: 2255161.6/45

All: 216.597 $\pm$ 0.021 χ^2 /NDF: 5398127.3/93

- sign 211.957 $\pm$ 0.030 χ^2 /NDF: 3092130.8/47

asym_bpm0l06WS_mean vs Slug



Right In: -602.409 ± 79.179 χ^2/NDF : 891.9/20

Left Out: 725.866 ± 52.158 χ^2/NDF : 1912.7/24

Right Out: -213.480 ± 70.060 χ^2/NDF : 3631.6/24

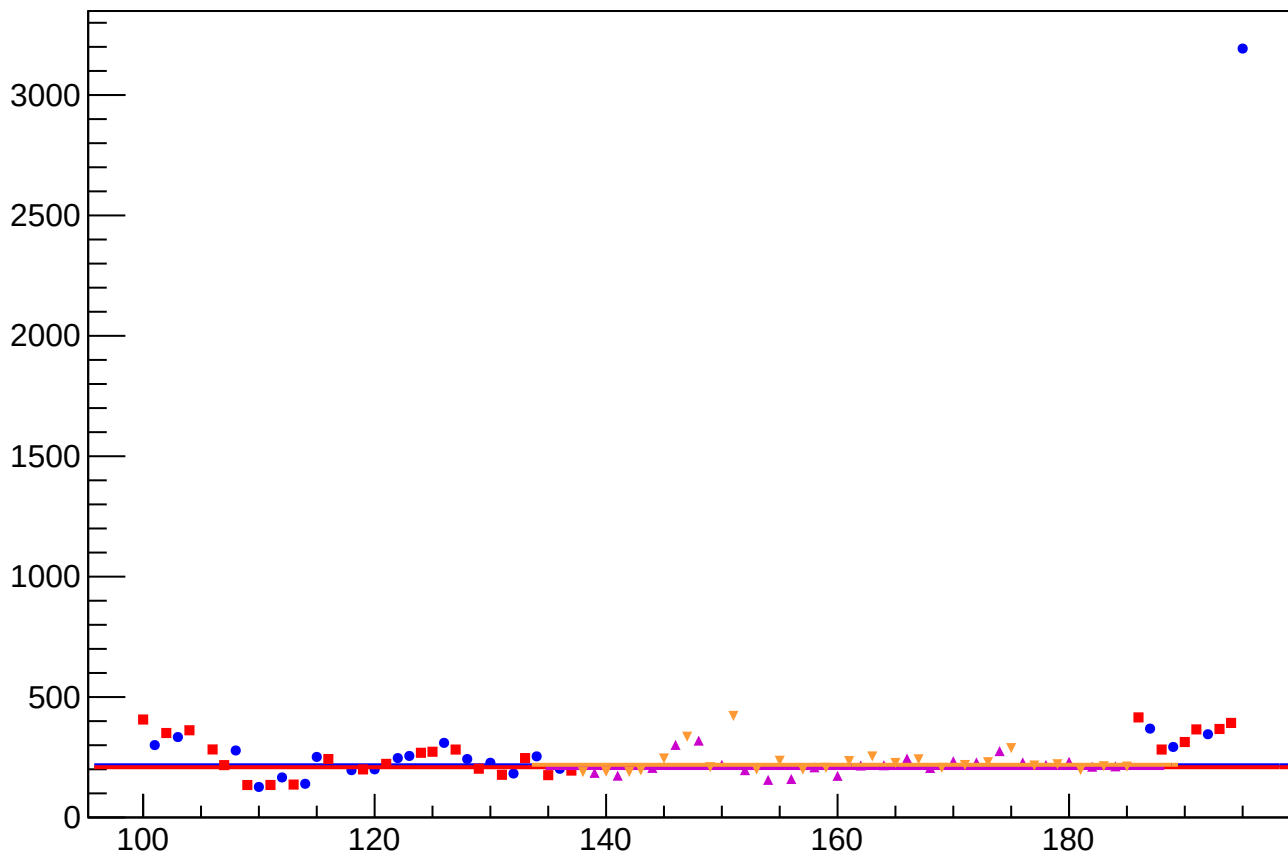
Left In: -340.502 ± 50.802 χ^2/NDF : 1201.8/22

+ sign 323.903 ± 43.557 χ^2/NDF : 3000.9/45

All: -4.203 ± 29.904 χ^2/NDF : 7943.8/93

- sign -296.729 ± 41.128 χ^2/NDF : 4835.6/47

asym_bpm0l06WS_rms vs Slug



Right In: 216.680 $\pm$ 0.056 χ^2 /NDF: 2720174.7/20

Left Out: 218.768 $\pm$ 0.037 χ^2 /NDF: 896914.5/24

Right Out: 208.565 $\pm$ 0.050 χ^2 /NDF: 2418842.0/24

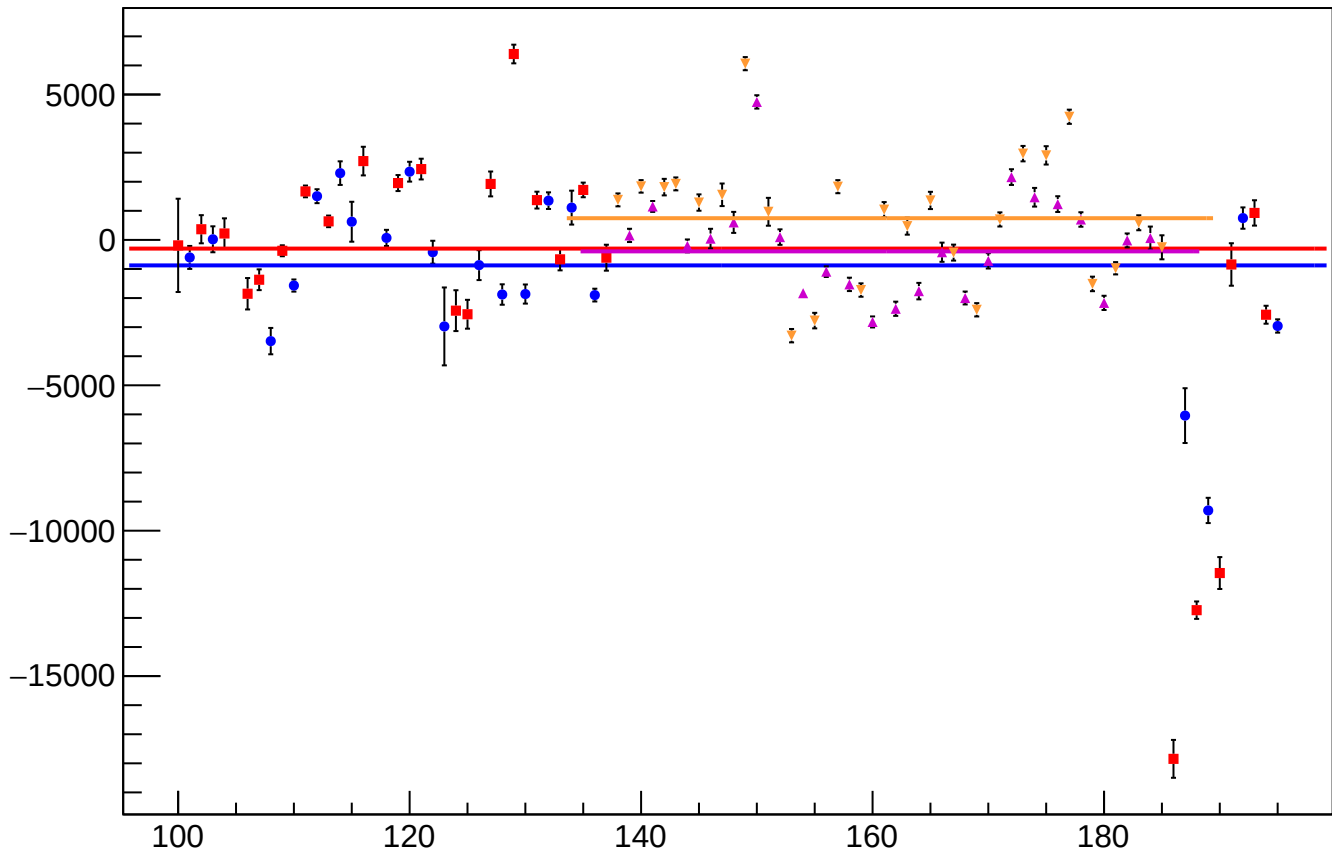
Left In: 205.249 $\pm$ 0.036 χ^2 /NDF: 997168.8/22

+ sign 218.136 $\pm$ 0.031 χ^2 /NDF: 3618059.4/45

All: 211.927 $\pm$ 0.021 χ^2 /NDF: 7113881.1/93

- sign 206.392 $\pm$ 0.029 χ^2 /NDF: 3418947.2/47

asym_bpm0l07WS_mean vs Slug



Right In: -876.857 ± 73.837 χ^2/NDF : 937.5/20

Left Out: 746.405 ± 51.592 χ^2/NDF : 1942.1/24

Right Out: -298.678 ± 67.759 χ^2/NDF : 3812.3/24

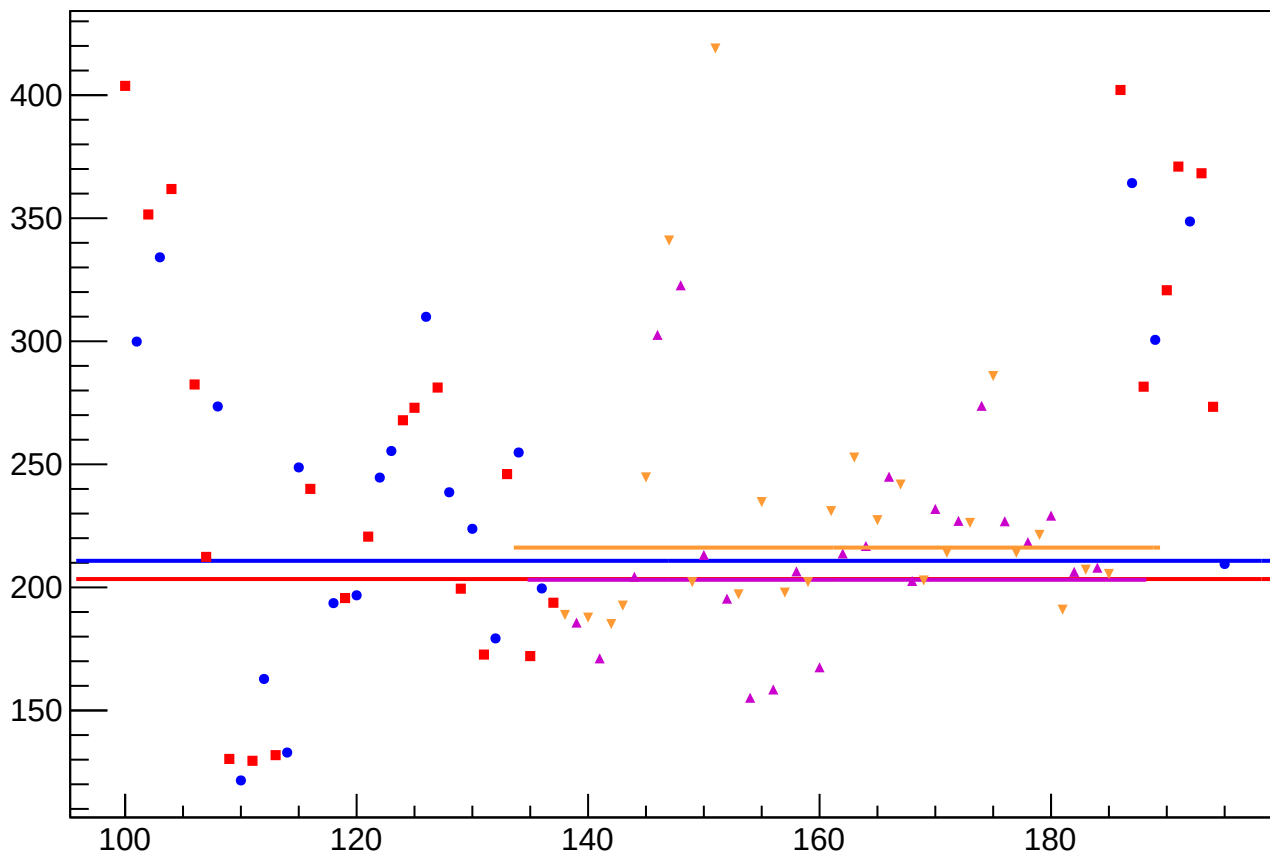
Left In: -394.379 ± 50.311 χ^2/NDF : 1236.4/22

+ sign 213.889 ± 42.291 χ^2/NDF : 3204.4/45

All: -86.408 ± 29.210 χ^2/NDF : 8350.8/93

- sign -360.368 ± 40.394 χ^2/NDF : 5050.0/47

asym_bpm0l07WS_rms vs Slug



Right In: 210.802 $\pm$ 0.052 χ^2 /NDF: 1398003.2/20

Left Out: 216.178 $\pm$ 0.036 χ^2 /NDF: 946050.8/24

+ sign 214.414 $\pm$ 0.030 χ^2 /NDF: 2351178.6/45

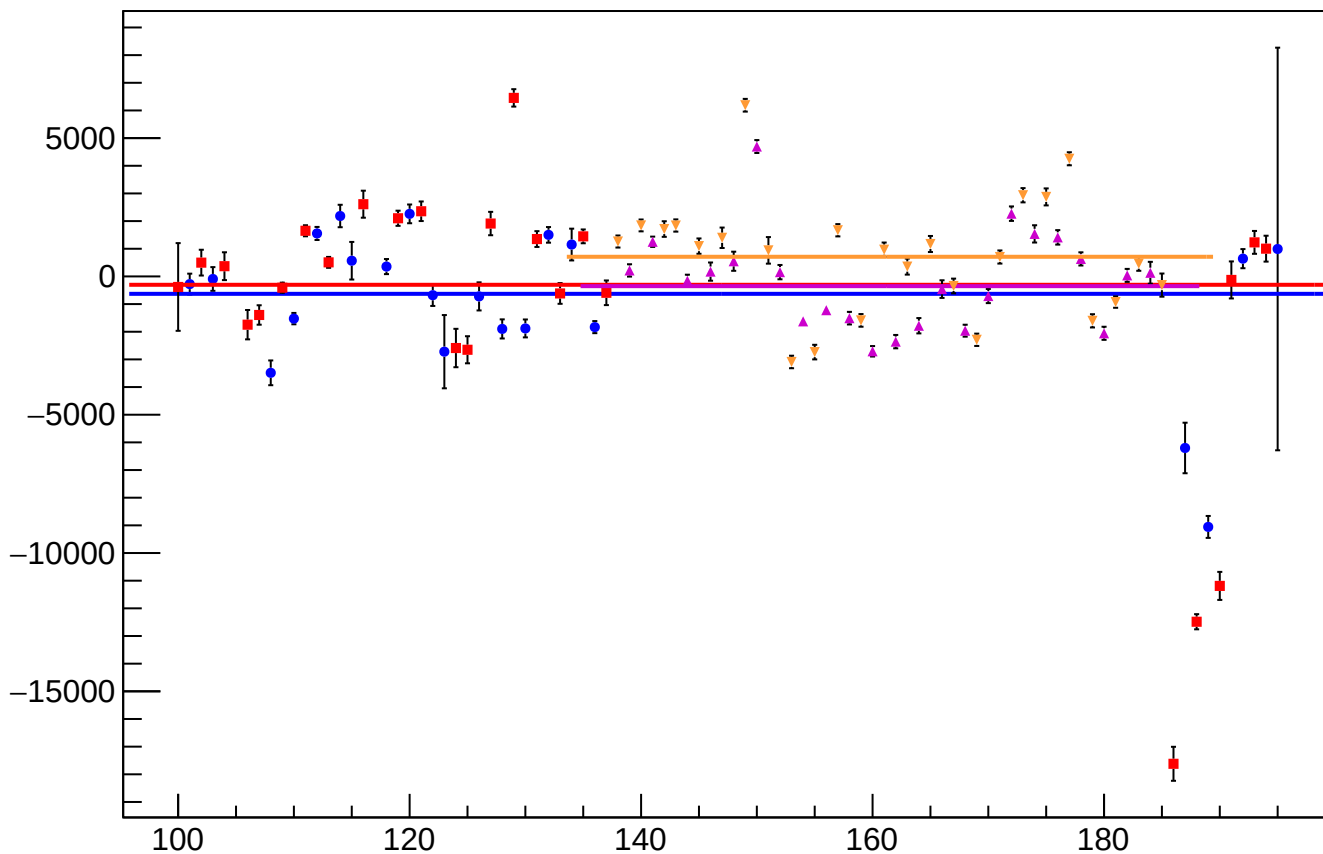
Right Out: 203.393 $\pm$ 0.048 χ^2 /NDF: 2398641.4/24

All: 208.552 $\pm$ 0.021 χ^2 /NDF: 5861336.6/93

Left In: 203.101 $\pm$ 0.036 χ^2 /NDF: 1038013.0/22

- sign 203.205 $\pm$ 0.029 χ^2 /NDF: 3436678.3/47

asym_bpm0l08WS_mean vs Slug



Right In: -629.719 ± 76.515 χ^2/NDF : 914.7/20

Left Out: 710.238 ± 50.750 χ^2/NDF : 1932.3/24

Right Out: -302.761 ± 67.173 χ^2/NDF : 4161.2/24

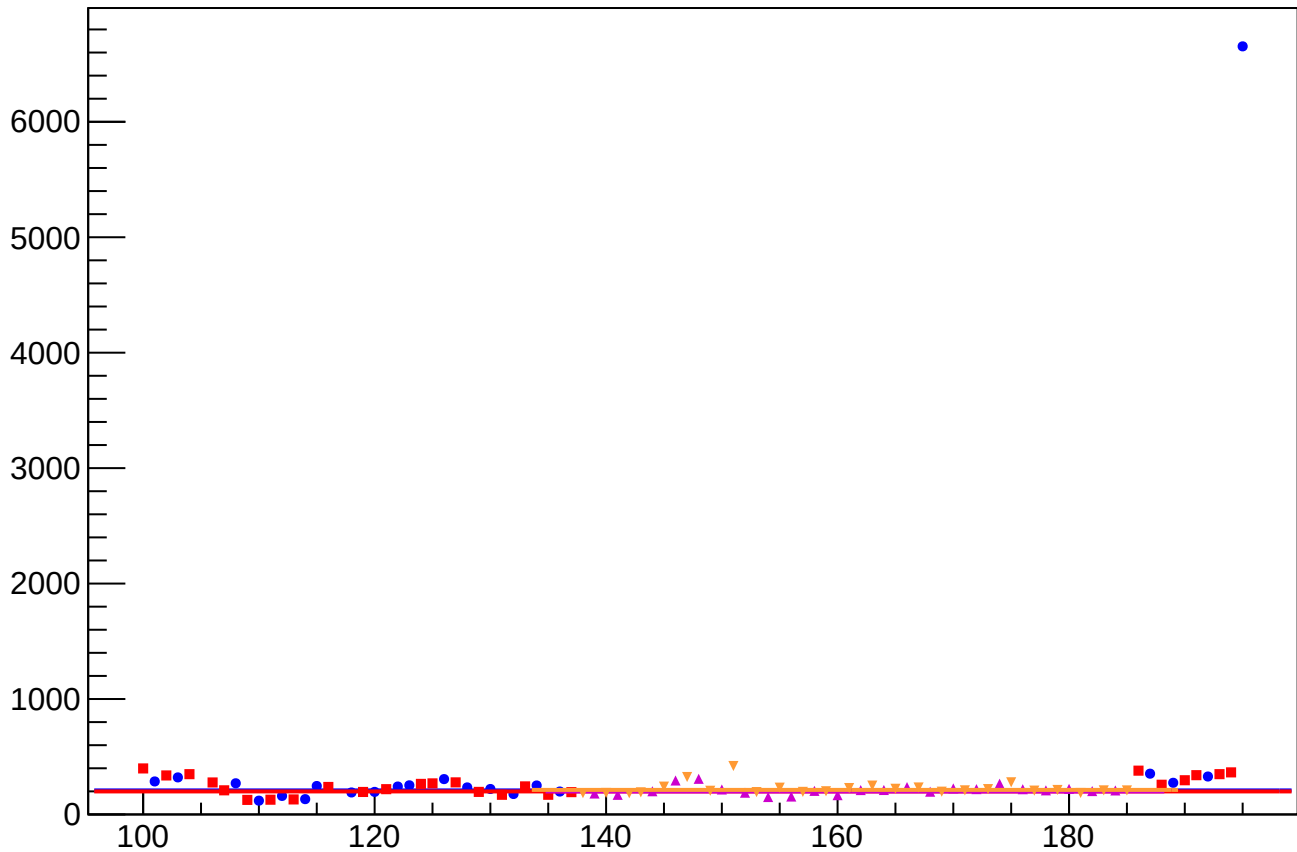
Left In: -352.432 ± 49.316 χ^2/NDF : 1233.1/22

+ sign 300.854 ± 42.293 χ^2/NDF : 3060.0/45

All: -36.760 ± 28.966 χ^2/NDF : 8574.6/93

- sign -335.036 ± 39.753 χ^2/NDF : 5394.6/47

asym_bpm0l08WS_rms vs Slug



Right In: 208.303 $\pm$ 0.054 χ^2 /NDF: 2864773.5/20

Left Out: 212.718 $\pm$ 0.036 χ^2 /NDF: 916225.9/24

Right Out: 199.483 $\pm$ 0.047 χ^2 /NDF: 2408917.1/24

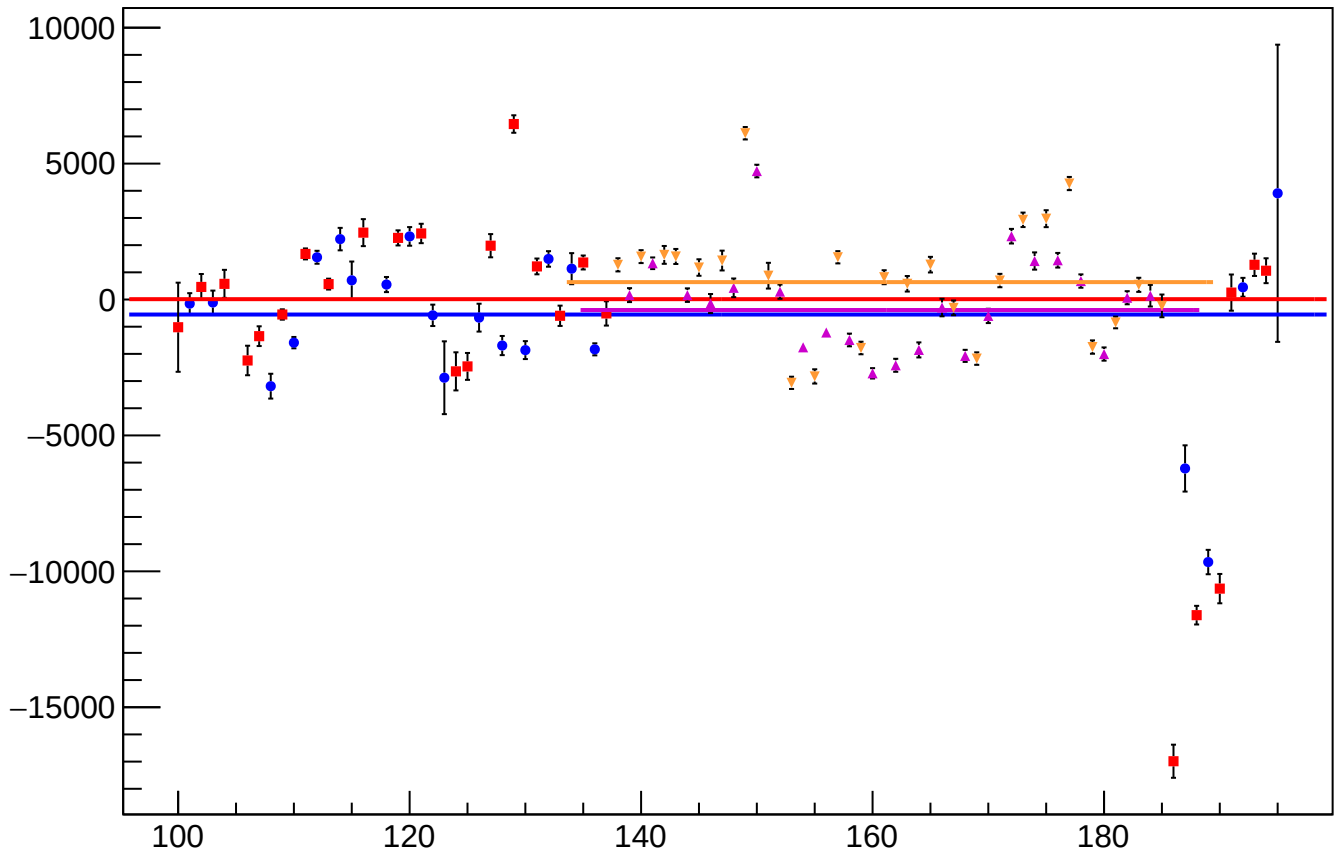
Left In: 199.142 $\pm$ 0.035 χ^2 /NDF: 985932.4/22

+ sign 211.369 $\pm$ 0.030 χ^2 /NDF: 3785624.2/45

All: 204.941 $\pm$ 0.020 χ^2 /NDF: 7267537.0/93

- sign 199.262 $\pm$ 0.028 χ^2 /NDF: 3394883.1/47

asym_bpm0l09WS_mean vs Slug



Right In: -552.462 ± 77.866 χ^2/NDF : 859.6/20

Left Out: 639.995 ± 52.708 χ^2/NDF : 1859.2/24

Right Out: 12.688 ± 69.107 χ^2/NDF : 3095.9/24

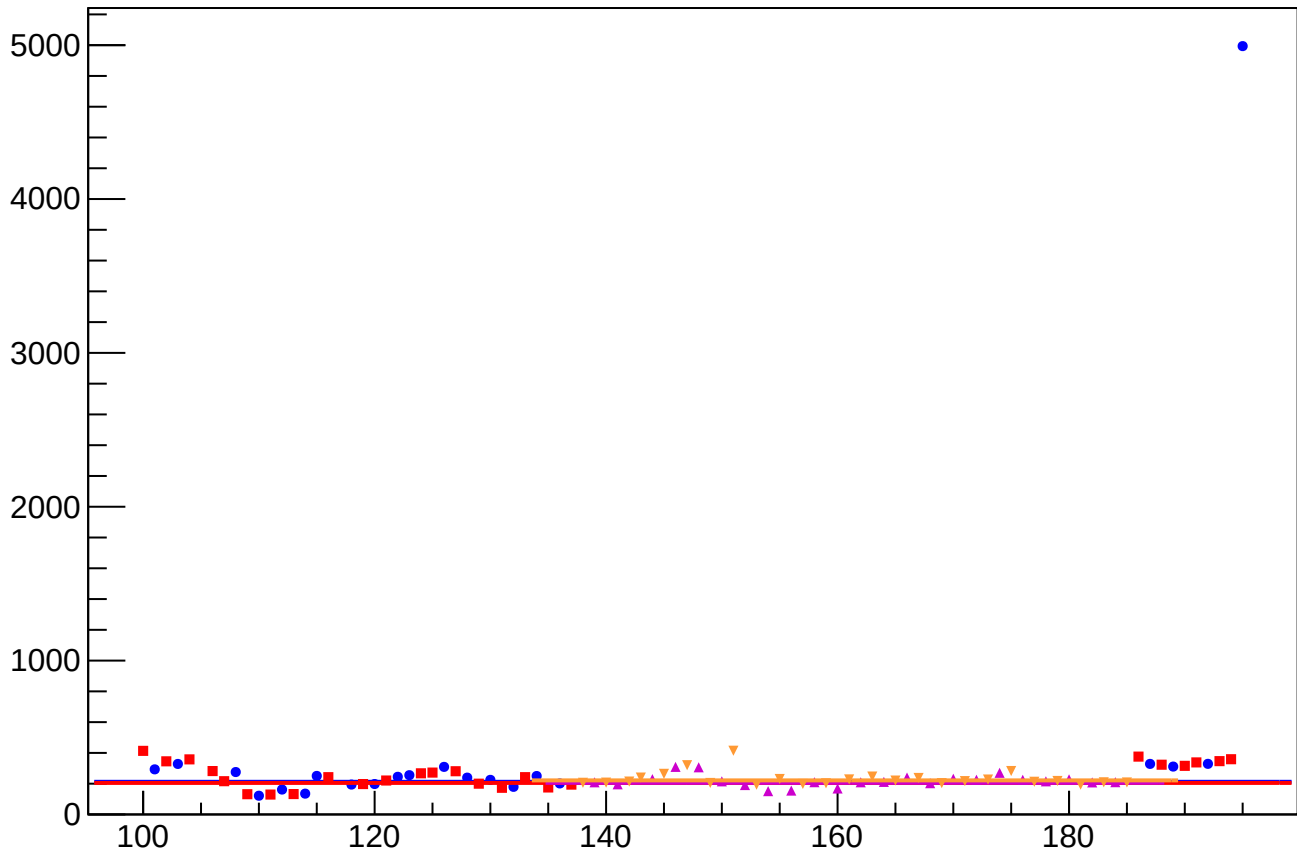
Left In: -386.248 ± 50.994 χ^2/NDF : 1238.0/22

+ sign 265.294 ± 43.649 χ^2/NDF : 2879.7/45

All: -5.929 ± 29.896 χ^2/NDF : 7308.0/93

- sign -245.609 ± 41.032 χ^2/NDF : 4355.5/47

asym_bpm0l09WS_rms vs Slug



Right In: 212.158+/-0.055 χ^2/NDF : 2851255.7/20

Left Out: 221.398+/-0.037 χ^2/NDF : 777833.8/24

Right Out: 204.997+/-0.049 χ^2/NDF : 2492074.4/24

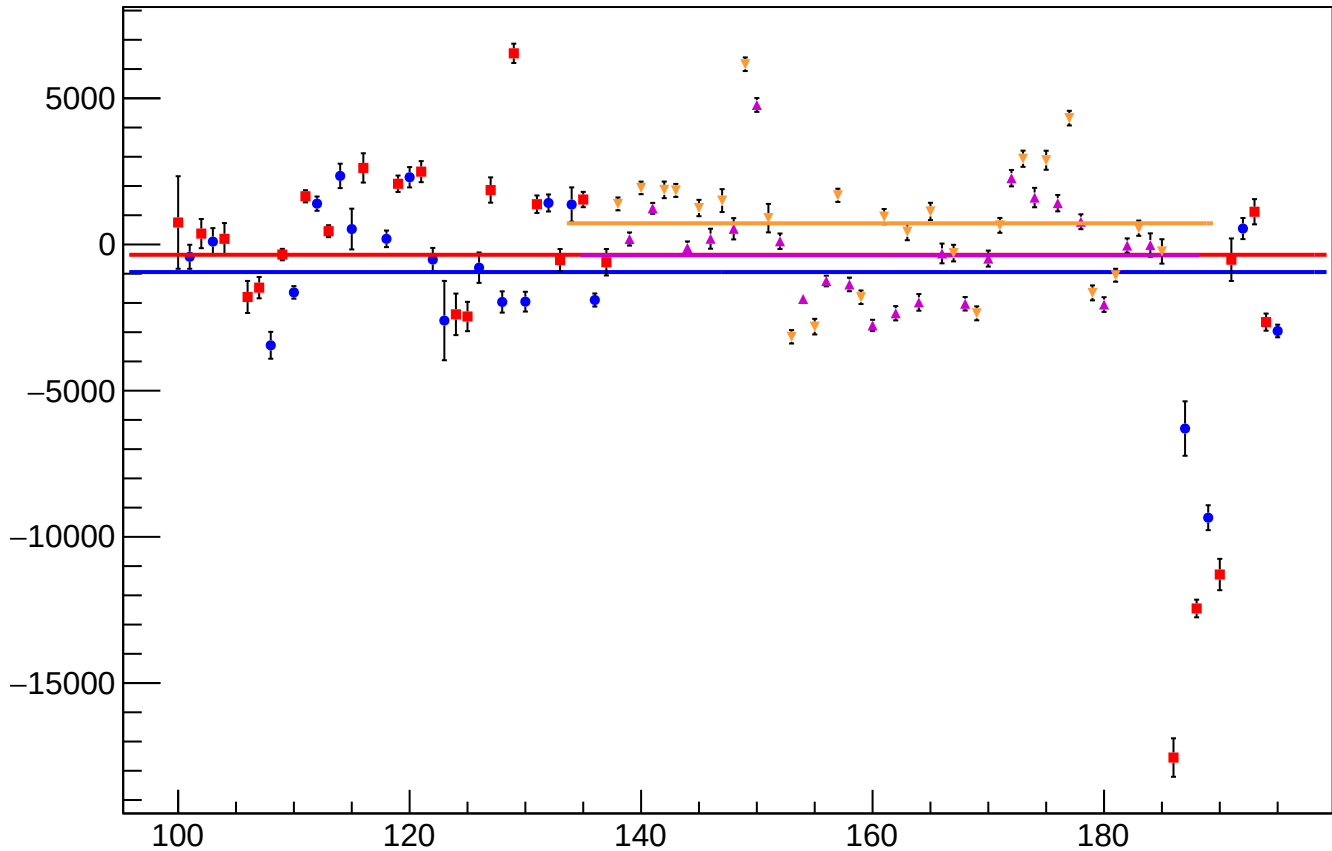
Left In: 205.803+/-0.036 χ^2/NDF : 994903.5/22

+ sign 218.494+/-0.031 χ^2/NDF : 3648405.1/45

All: 211.606+/-0.021 χ^2/NDF : 7229381.1/93

- sign 205.519+/-0.029 χ^2/NDF : 3487153.9/47

asym_bpm0l10WS_mean vs Slug



Right In: -943.277 ± 74.545 χ^2/NDF : 955.3/20

Left Out: 725.250 ± 52.307 χ^2/NDF : 1883.1/24

Right Out: -352.539 ± 68.989 χ^2/NDF : 3651.2/24

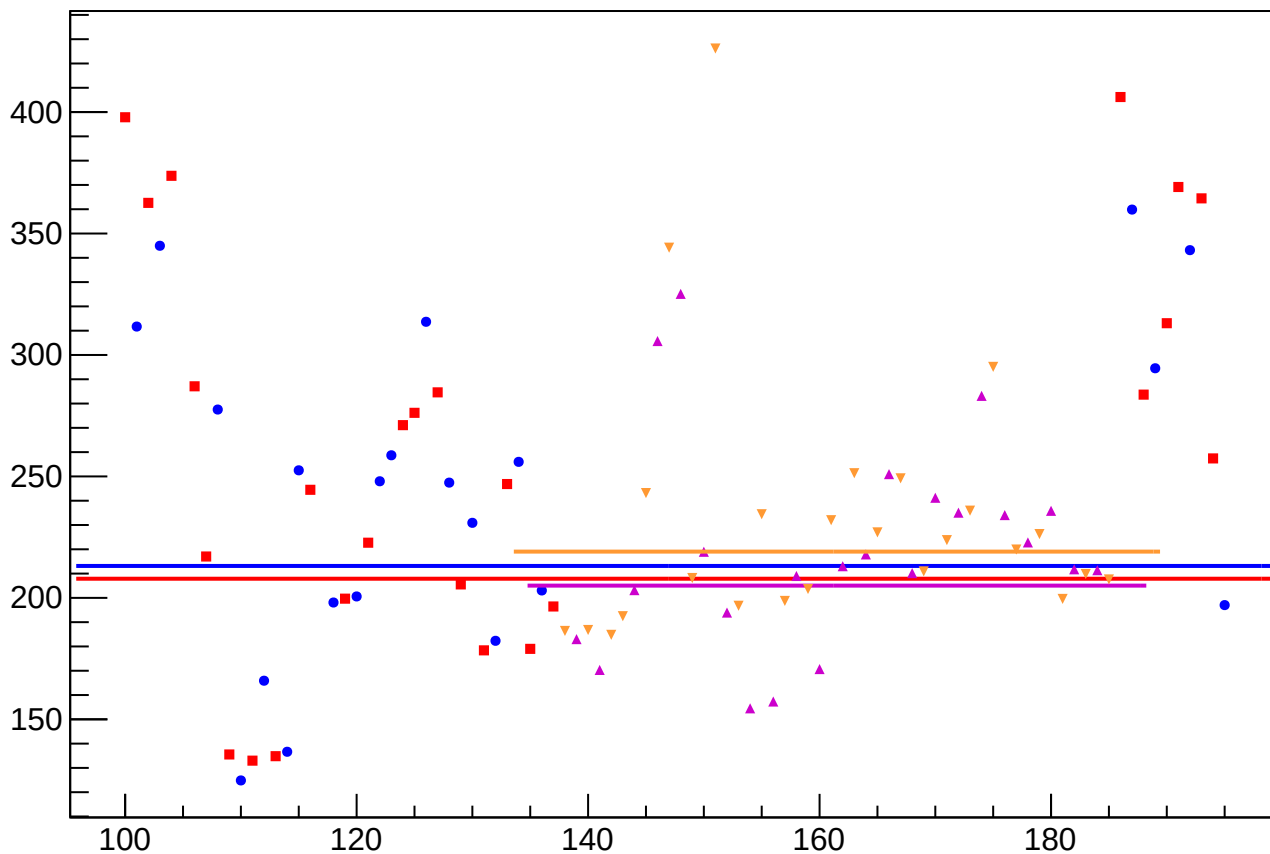
Left In: -370.408 ± 50.884 χ^2/NDF : 1223.2/22

+ sign 174.766 ± 42.818 χ^2/NDF : 3174.1/45

All: -106.678 ± 29.595 χ^2/NDF : 8131.2/93

- sign -364.112 ± 40.951 χ^2/NDF : 4874.4/47

asym_bpm0l10WS_rms vs Slug



Right In: 213.146 $\pm$ 0.053 χ^2 /NDF: 1360543.0/20

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

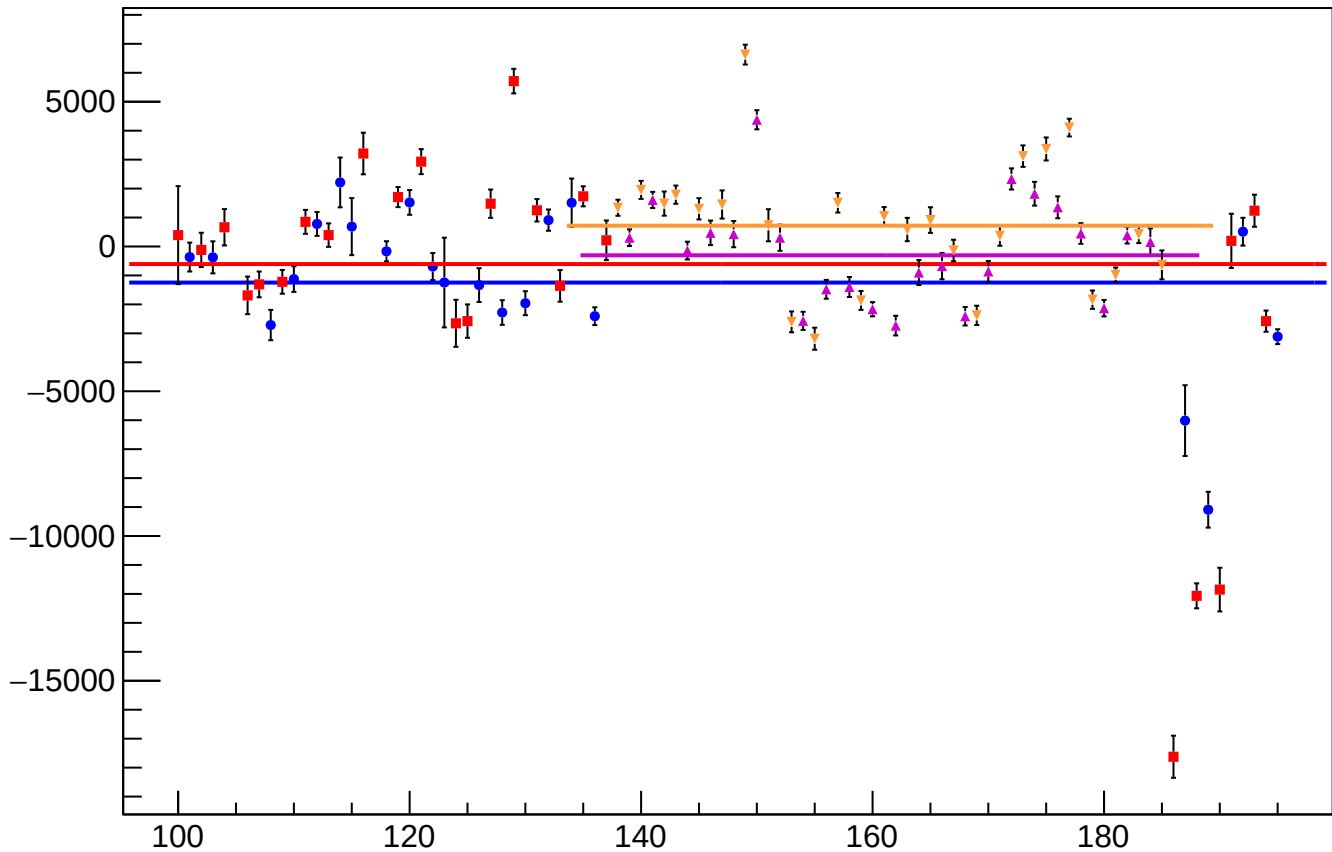
Left In: 205.046 $\pm$ 0.036 χ^2 /NDF:1144197.1/22

+ sign 217.101 $\pm$ 0.030 χ^2 /NDF: 2344510.6/45

All: 211.327 $\pm$ 0.021 χ^2 /NDF: 5805705.6/93

- sign 206.046 $\pm$ 0.029 χ^2 /NDF: 3391564.9/47

asym_bpm0r03WS_mean vs Slug



Right In: -1246.173 ± 100.272 χ^2/NDF : 421.1/20

Left Out: 718.705 ± 69.601 χ^2/NDF : 1018.5/24

Right Out: -607.263 ± 98.863 χ^2/NDF : 2018.9/24

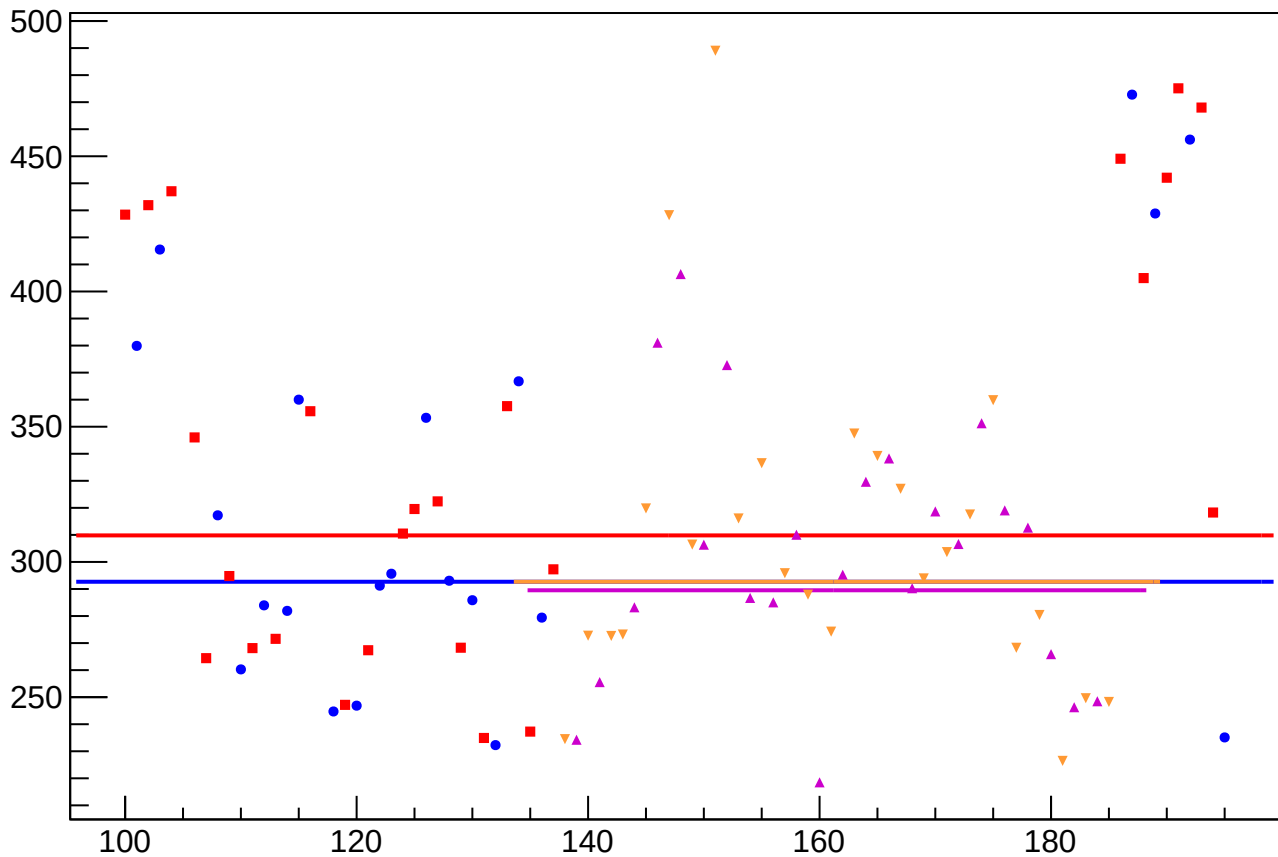
Left In: -304.161 ± 70.958 χ^2/NDF : 643.5/22

+ sign 79.839 ± 57.177 χ^2/NDF : 1698.8/45

All: -161.695 ± 40.595 χ^2/NDF : 4403.3/93

- sign -407.214 ± 57.646 χ^2/NDF : 2668.6/47

asym_bpm0r03WS_rms vs Slug



Right In: 292.675 $\pm$ 0.071 χ^2 /NDF: 814048.6/20

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

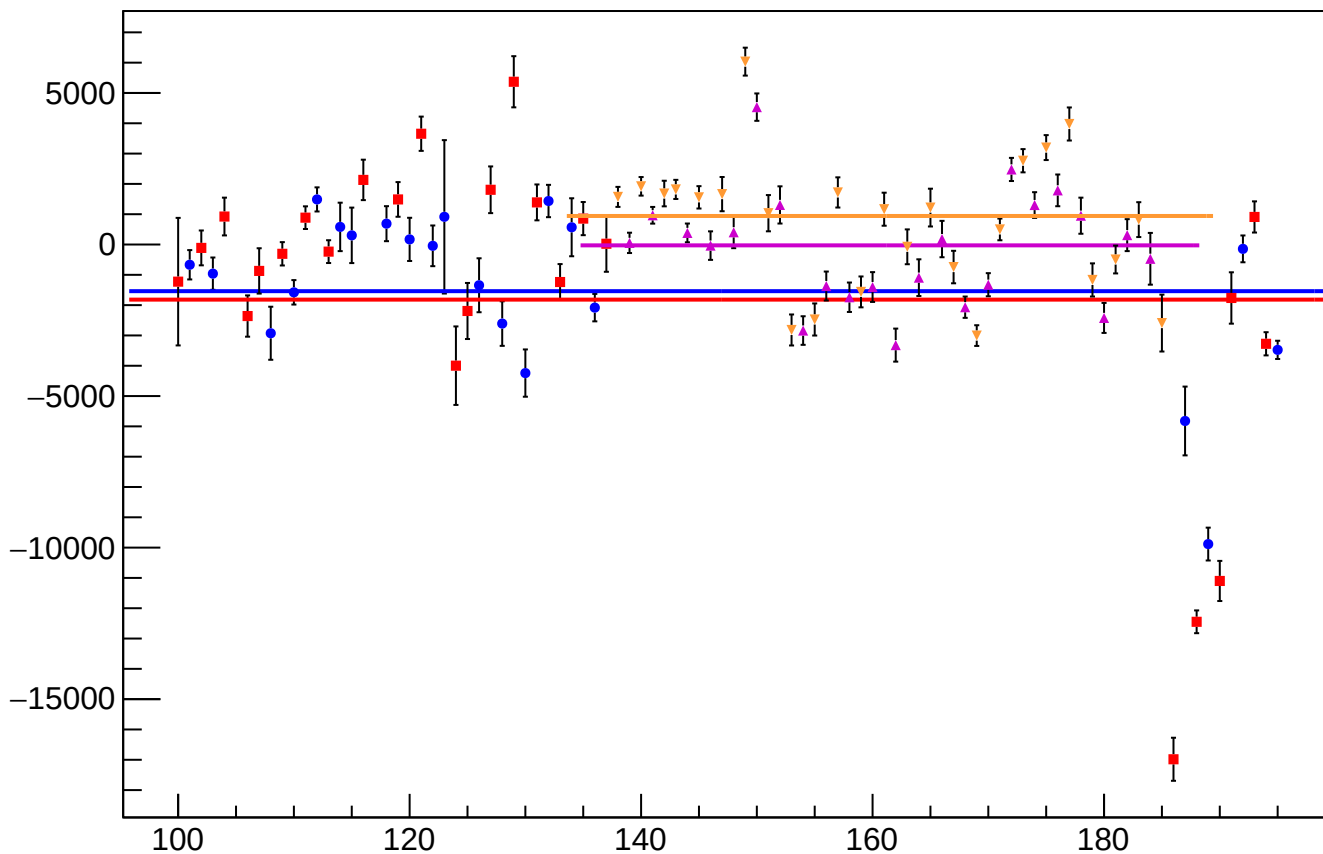
Left In: 289.522 $\pm$ 0.050 χ^2 /NDF: 777901.0/22

+ sign 292.682 $\pm$ 0.040 χ^2 /NDF: 1739242.2/45

All: 294.536 $\pm$ 0.029 χ^2 /NDF: 3573411.5/93

- sign 296.421 $\pm$ 0.041 χ^2 /NDF: 1829929.1/47

asym_bpm0r05WS_mean vs Slug



Right In: -1539.043 ± 122.840 χ^2/NDF : 456.8/20

Left Out: 941.598 ± 89.119 χ^2/NDF : 544.6/24

Right Out: -1818.005 ± 113.509 χ^2/NDF : 1929.5/24

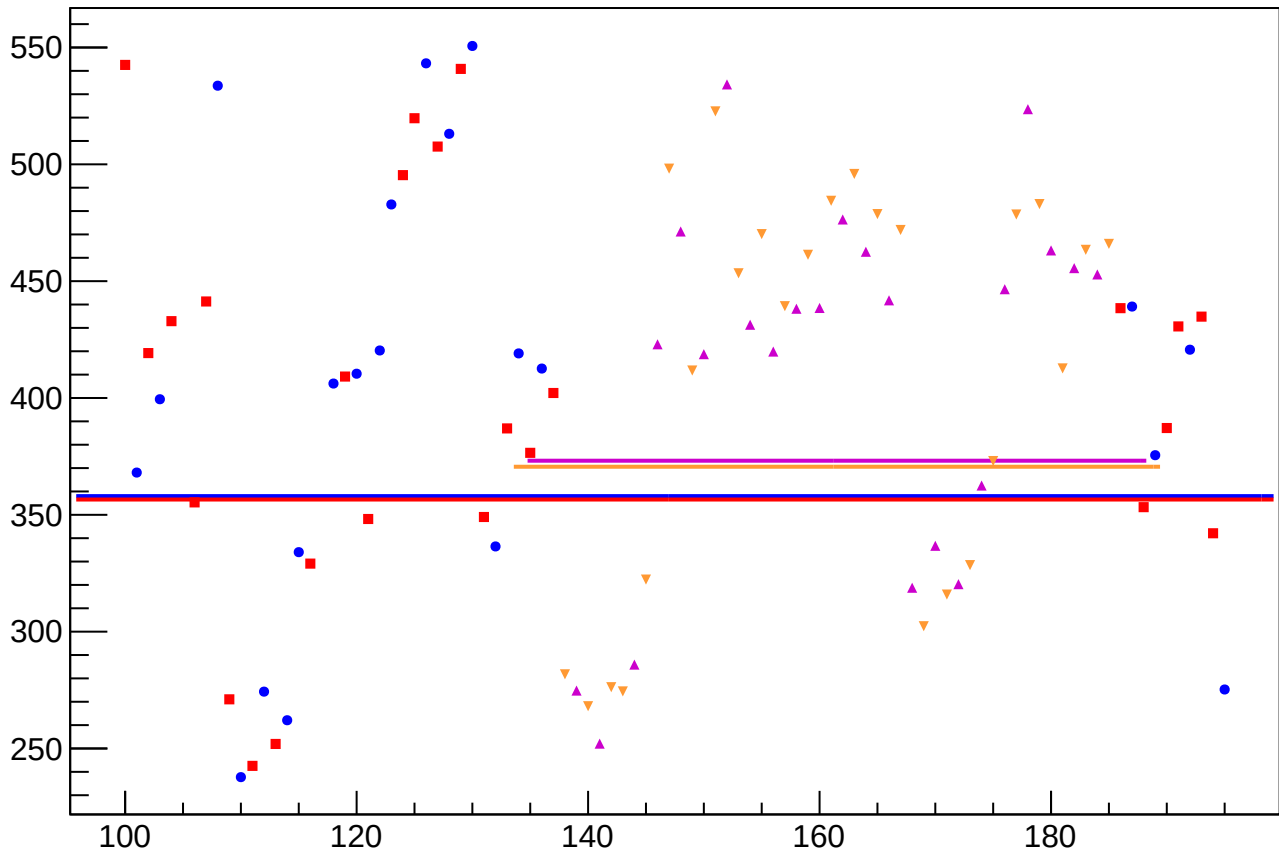
Left In: -27.763 ± 92.331 χ^2/NDF : 362.5/22

+ sign 86.186 ± 72.135 χ^2/NDF : 1268.6/45

All: -330.139 ± 50.827 χ^2/NDF : 3776.4/93

- sign -740.622 ± 71.627 χ^2/NDF : 2441.7/47

asym_bpm0r05WS_rms vs Slug



Right In: 358.005 $\pm$ 0.087 χ^2 /NDF: 979043.6/20

Left Out: 370.580 $\pm$ 0.063 χ^2 /NDF:1878118.9/24

Right Out: 356.546 $\pm$ 0.080 χ^2 /NDF: 921336.0/24

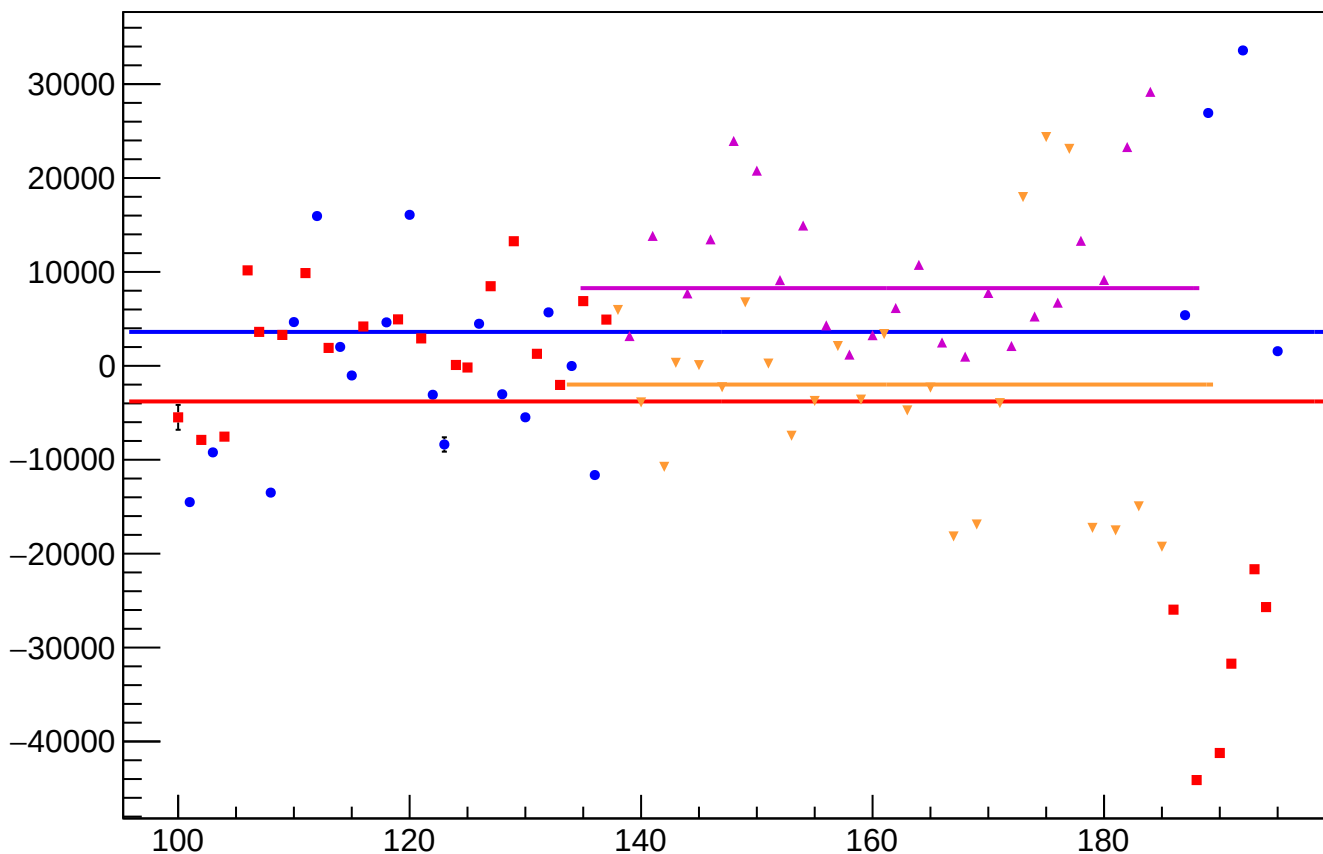
Left In: 373.161 $\pm$ 0.065 χ^2 /NDF:1636244.2/22

+ sign 366.243 $\pm$ 0.051 χ^2 /NDF: 2870894.2/45

All: 366.395 $\pm$ 0.036 χ^2 /NDF: 5454279.1/93

- sign 366.545 $\pm$ 0.051 χ^2 /NDF: 2583367.4/47

asym_bpm0i02WS_mean vs Slug



Right In: 3612.301+/-49.489 χ^2/NDF : 68100.6/20

Left Out: -1991.788+/-42.427 χ^2/NDF : 63766.6/24

Right Out: -3792.448+/-46.060 χ^2/NDF : 126411.3/24

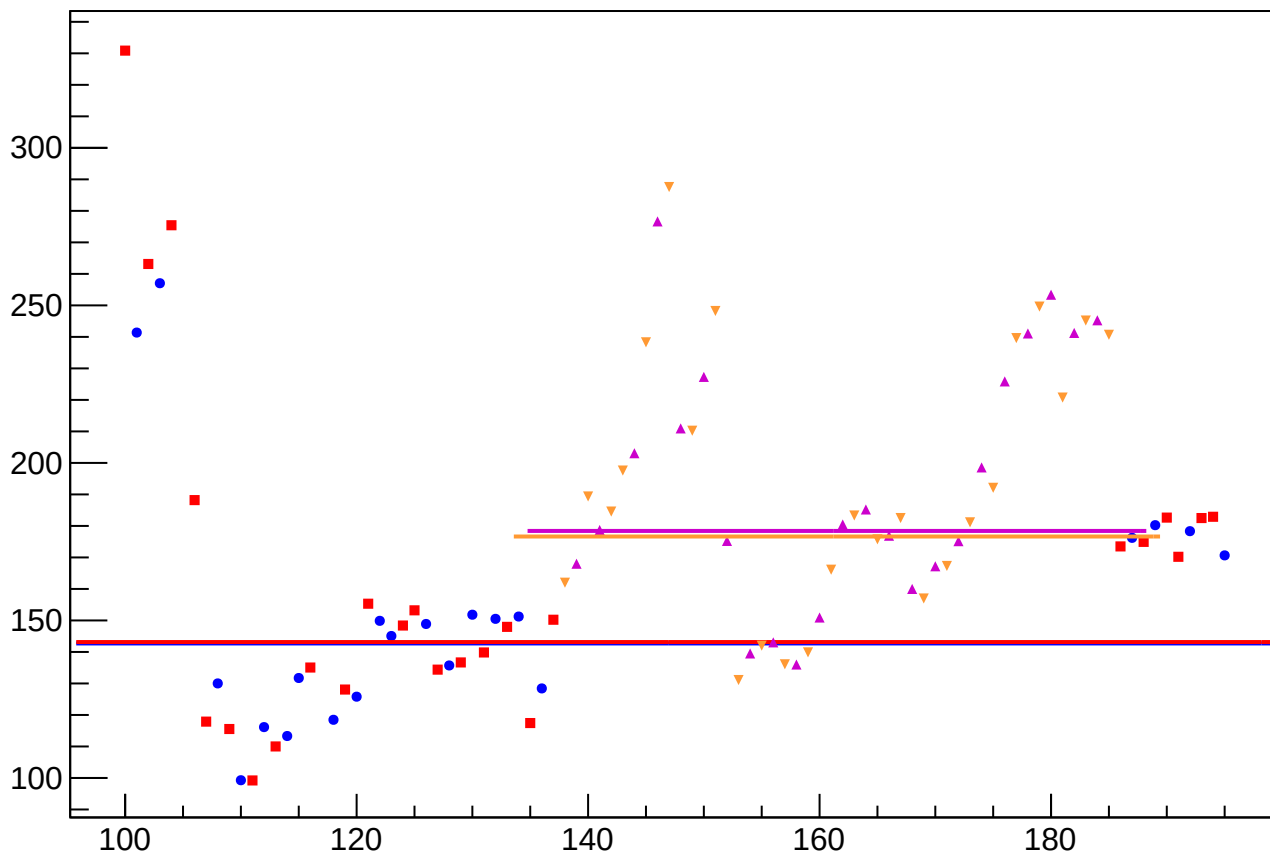
Left In: 8273.228+/-44.301 χ^2/NDF : 22870.2/22

+ sign 382.178+/-32.210 χ^2/NDF : 139258.1/45

All: 1437.850+/-22.676 χ^2/NDF : 326314.5/93

- sign 2475.184+/-31.929 χ^2/NDF : 184926.8/47

asym_bpm0i02WS_rms vs Slug



Right In: 142.700 $\pm$ 0.035 χ^2 /NDF: 864851.6/20

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

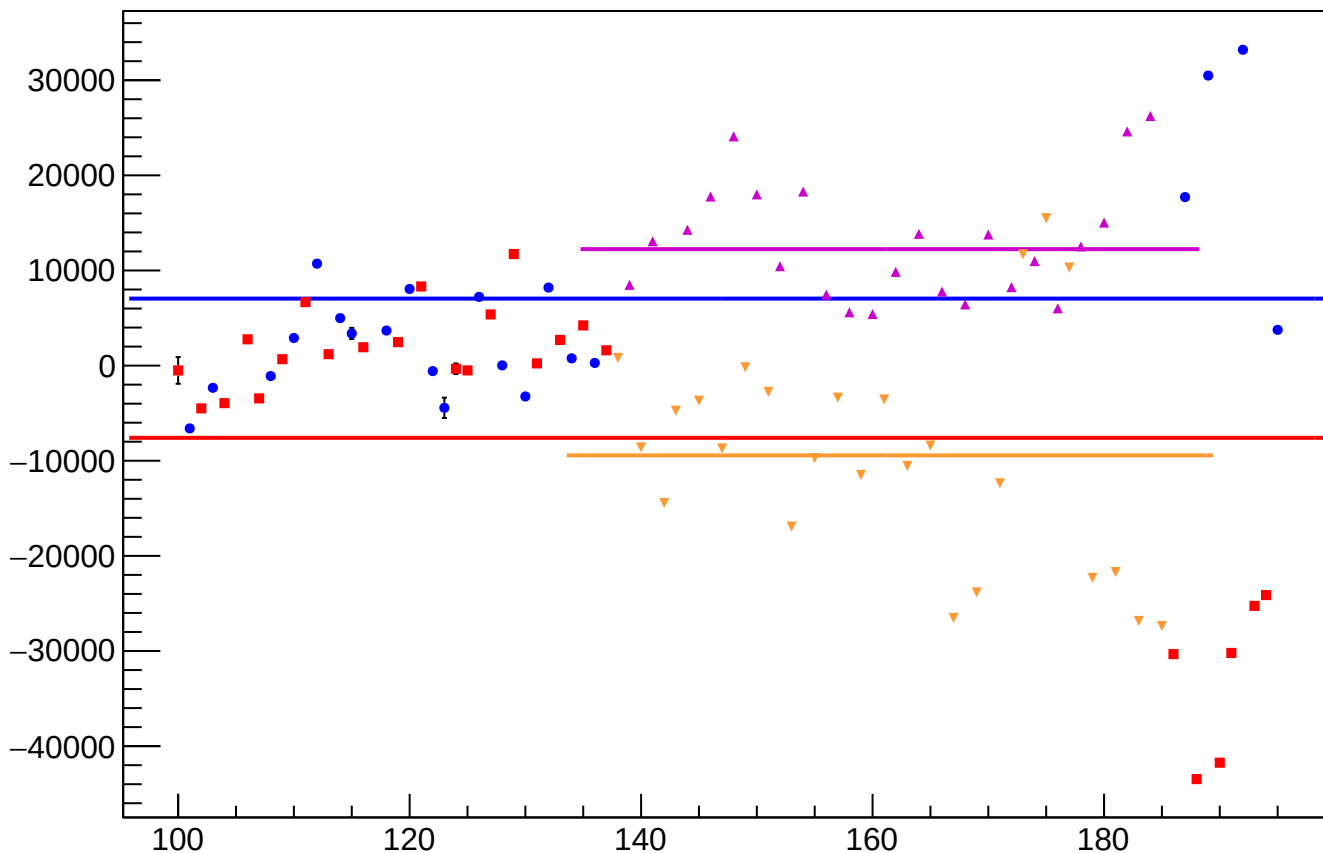
Left In: 178.413 $\pm$ 0.031 χ^2 /NDF:1293736.2/22

+ sign 162.263 $\pm$ 0.023 χ^2 /NDF: 2958115.5/45

All: 161.861 $\pm$ 0.016 χ^2 /NDF: 6043661.9/93

- sign 161.465 $\pm$ 0.023 χ^2 /NDF: 3084928.2/47

asym_bpm0i02aWS_mean vs Slug



Right In: 7044.298+/-60.891 χ^2/NDF : 30960.6/20

Left Out: -9437.408+/-45.534 χ^2/NDF : 62220.4/24

Right Out: -7589.026+/-55.671 χ^2/NDF : 95958.6/24

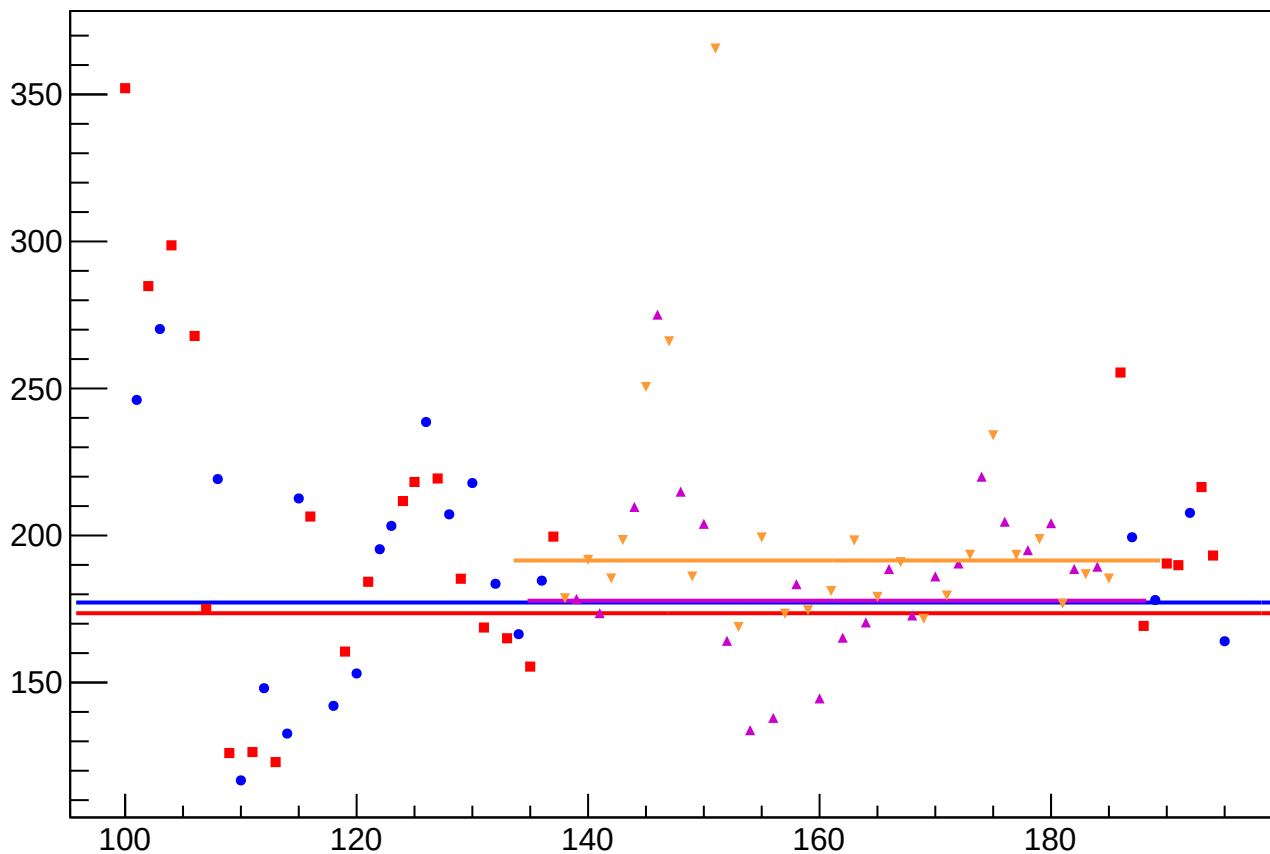
Left In: 12242.226+/-43.944 χ^2/NDF : 16615.8/22

+ sign -3526.319+/-36.466 χ^2/NDF : 140169.5/45

All: 778.021+/-25.059 χ^2/NDF : 357323.0/93

- sign 4629.234+/-34.493 χ^2/NDF : 190754.8/47

asym_bpm0i02aWS_rms vs Slug



Right In: 177.207 $\pm$ 0.043 χ^2 /NDF: 742291.6/20

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

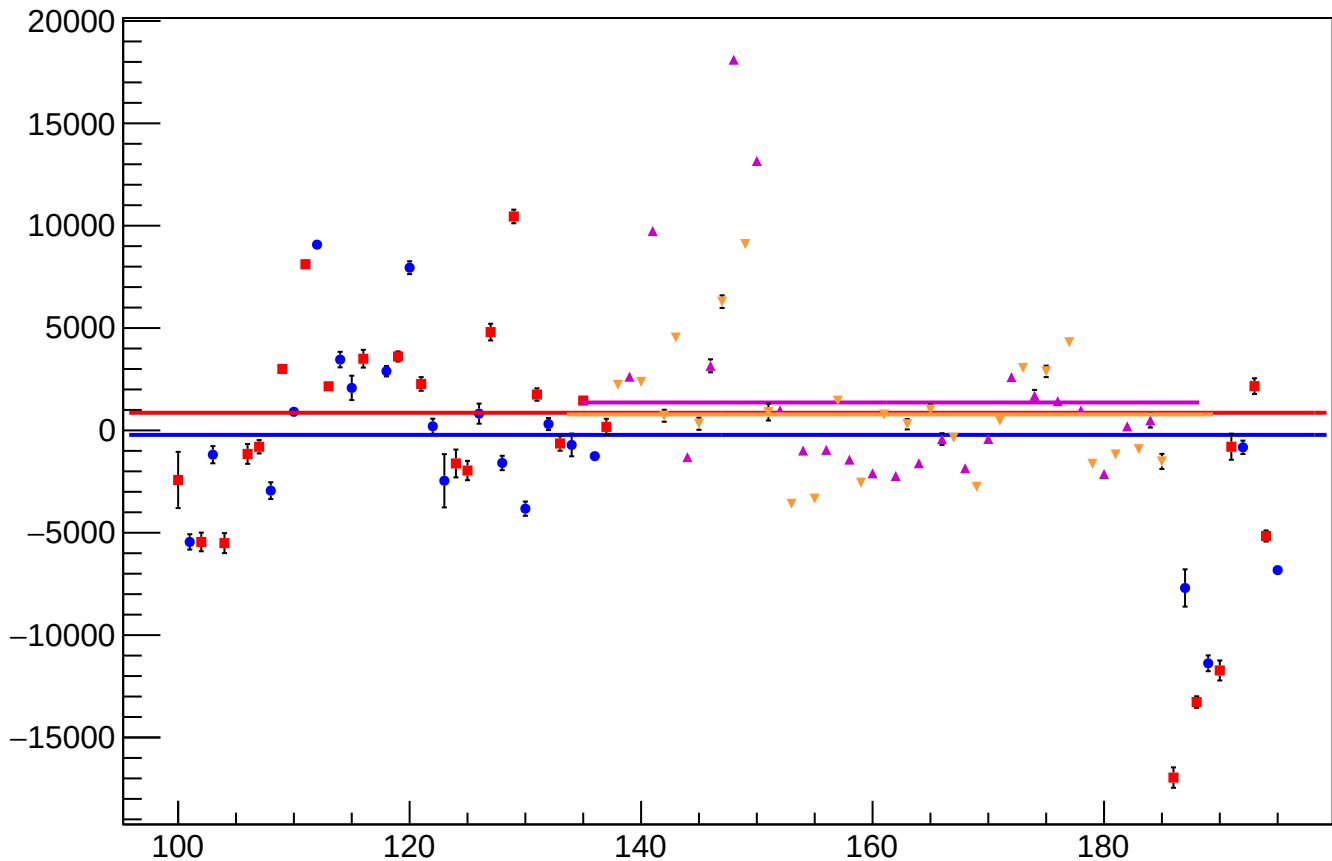
Left In: 177.821 $\pm$ 0.031 χ^2 /NDF: 862494.4/22

+ sign 186.378 $\pm$ 0.026 χ^2 /NDF: 1540282.3/45

All: 181.000 $\pm$ 0.018 χ^2 /NDF: 3604874.0/93

- sign 176.188 $\pm$ 0.024 χ^2 /NDF: 1982168.1/47

asym_bpm0i05WS_mean vs Slug



Right In: -218.913 ± 69.084 $\chi^2/\text{NDF}: 5030.6/20$

Left Out: 779.983 ± 47.457 $\chi^2/\text{NDF}: 4260.8/24$

Right Out: 861.291 ± 63.529 $\chi^2/\text{NDF}: 8194.2/24$

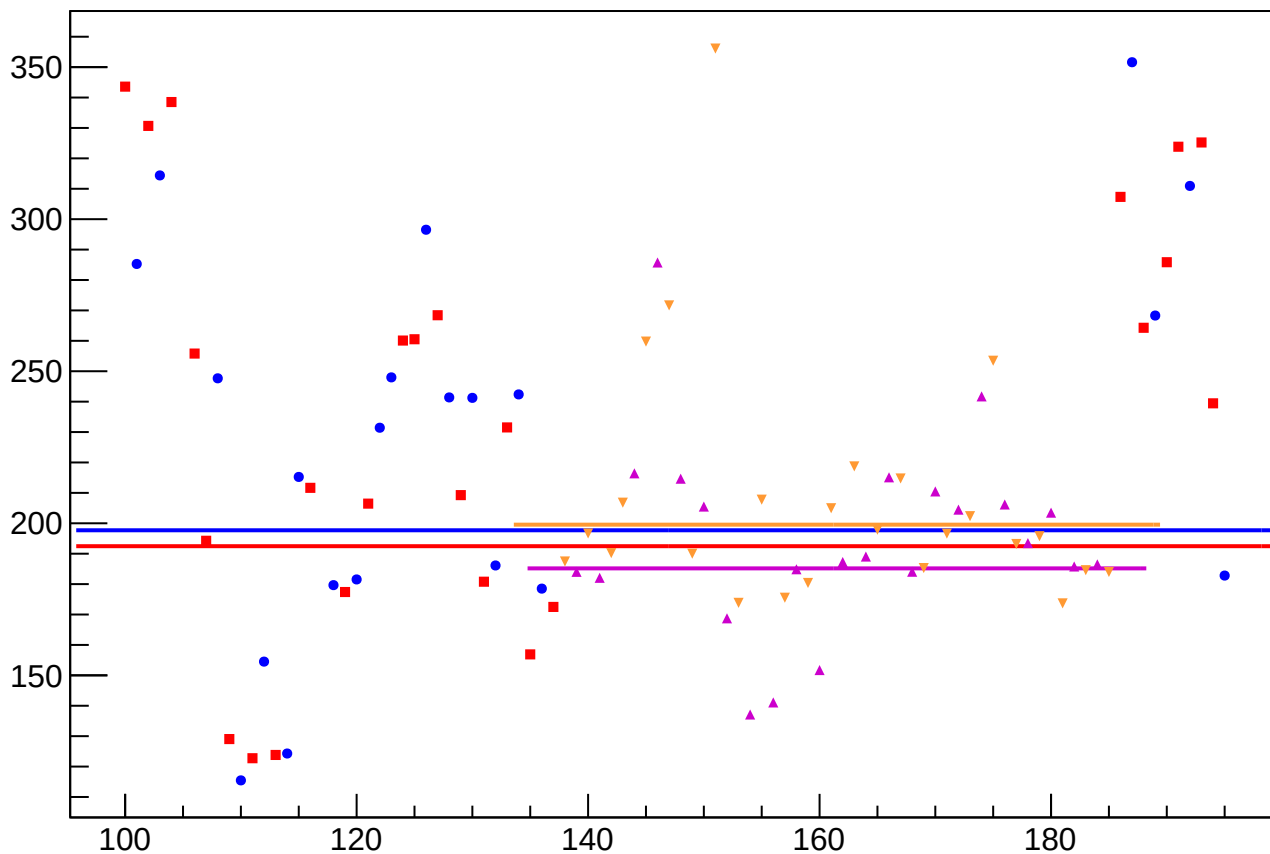
Left In: 1363.043 ± 45.807 $\chi^2/\text{NDF}: 11632.9/22$

+ sign 459.730 ± 39.117 $\chi^2/\text{NDF}: 9433.4/45$

All: 844.376 ± 26.940 $\chi^2/\text{NDF}: 29485.5/93$

- sign 1191.415 ± 37.155 $\chi^2/\text{NDF}: 19868.1/47$

asym_bpm0i05WS_rms vs Slug



Right In: 197.701 $\pm$ 0.049 χ^2 /NDF: 1372905.8/20

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

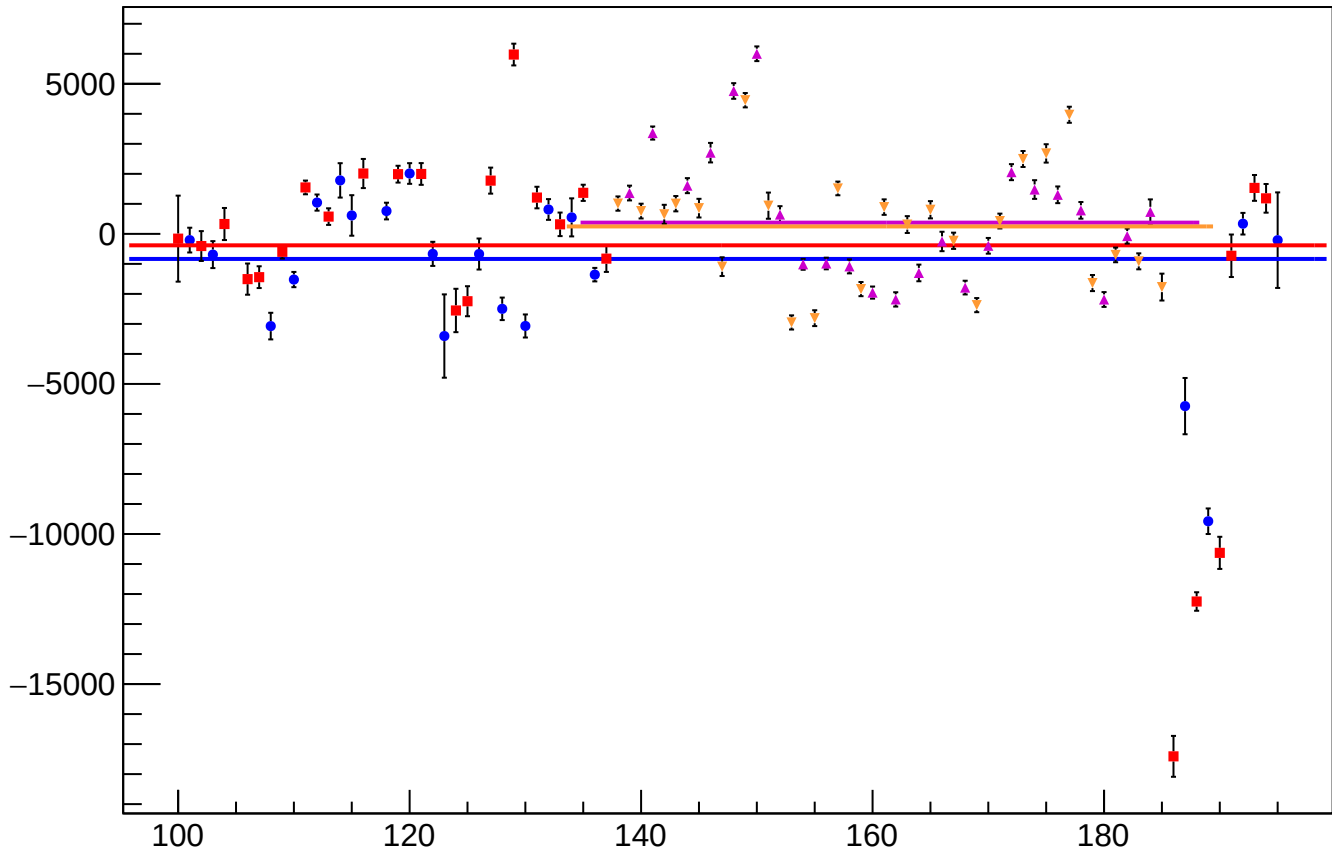
Left In: 185.171 $\pm$ 0.032 χ^2 /NDF: 882752.2/22

+ sign 198.955 $\pm$ 0.028 χ^2 /NDF: 2103232.4/45

All: 193.021 $\pm$ 0.019 χ^2 /NDF: 5203442.1/93

- sign 187.667 $\pm$ 0.026 χ^2 /NDF: 3012652.6/47

asym_bpm0i07WS_mean vs Slug



Right In: -835.188 ± 84.038 χ^2/NDF : 759.6/20

Left Out: 247.844 ± 53.555 χ^2/NDF : 1355.1/24

Right Out: -381.561 ± 75.417 χ^2/NDF : 3161.8/24

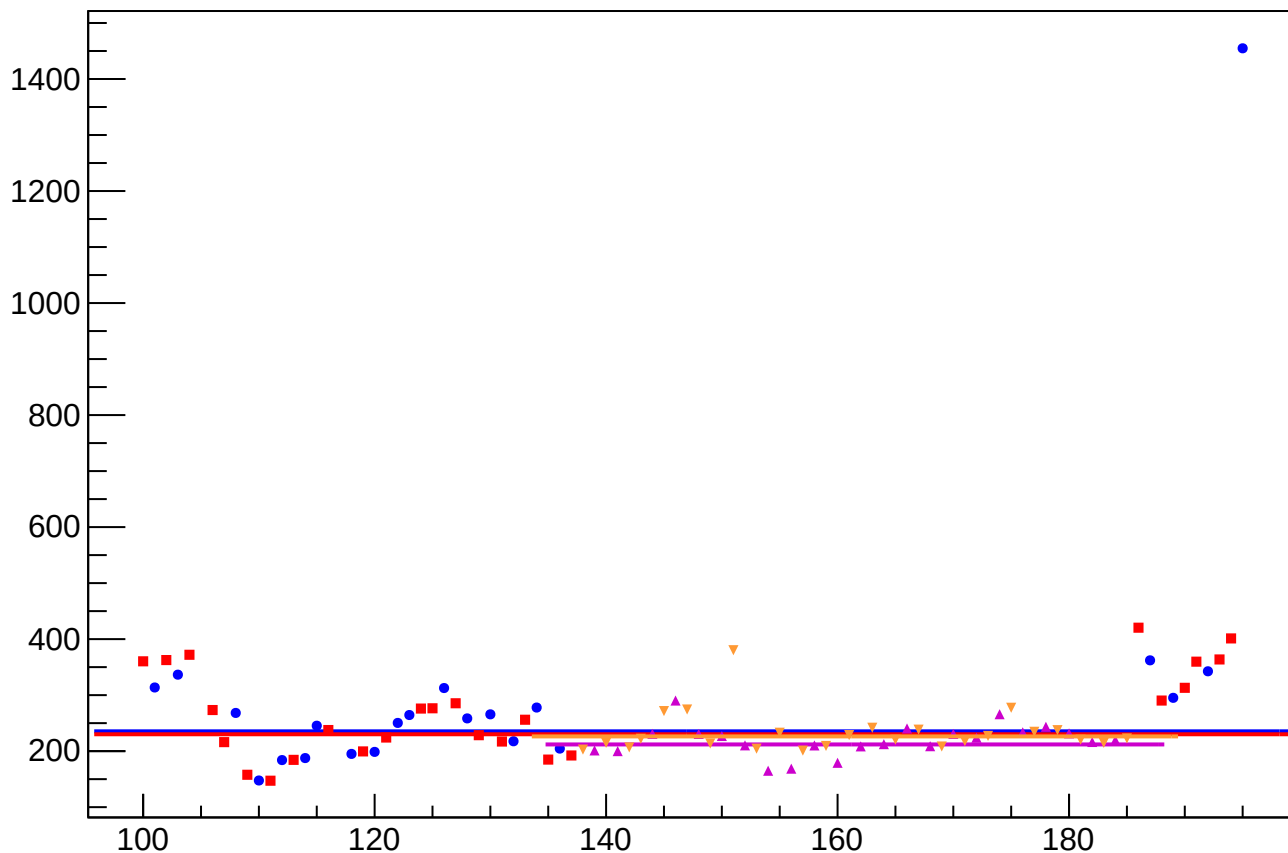
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -64.955 ± 45.164 χ^2/NDF : 2232.8/45

All: 37.837 ± 31.081 χ^2/NDF : 7273.5/93

- sign 130.313 ± 42.838 χ^2/NDF : 5030.8/47

asym_bpm0i07WS_rms vs Slug



Right In: 235.377 $\pm$ 0.059 χ^2 /NDF: 2122064.6/20

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

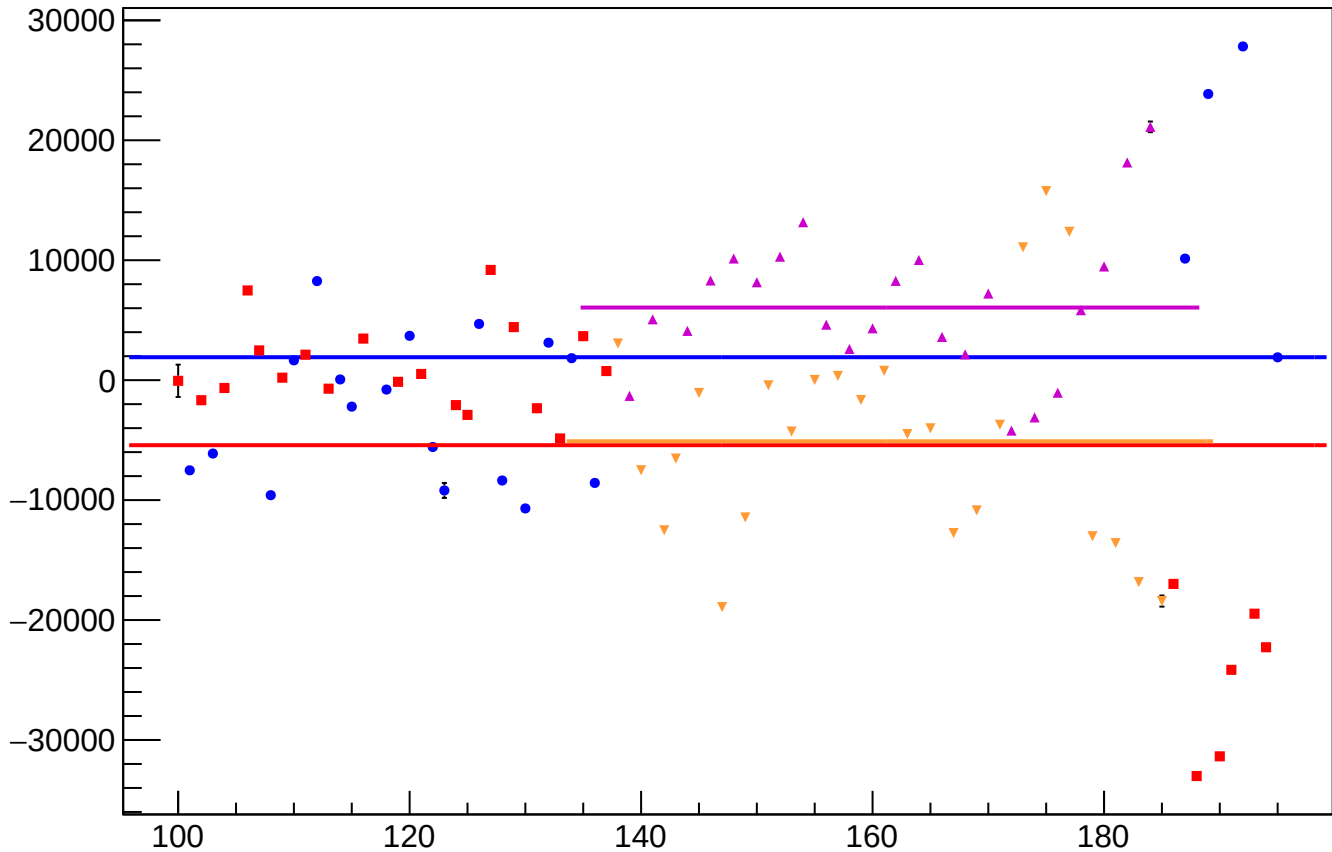
Left In: 211.970 $\pm$ 0.037 χ^2 /NDF:584344.5/22

+ sign 228.937 $\pm$ 0.032 χ^2 /NDF: 2659620.9/45

All: 223.090 $\pm$ 0.022 χ^2 /NDF: 5188798.5/93

- sign 217.830 $\pm$ 0.030 χ^2 /NDF: 2465502.6/47

asym_bpm1i02WS_mean vs Slug



Right In: 1913.449 ± 42.157 $\chi^2/\text{NDF}: 66286.8/20$

Left Out: -5095.305 ± 33.703 $\chi^2/\text{NDF}: 54395.4/24$

Right Out: -5422.293 ± 38.826 $\chi^2/\text{NDF}: 99652.5/24$

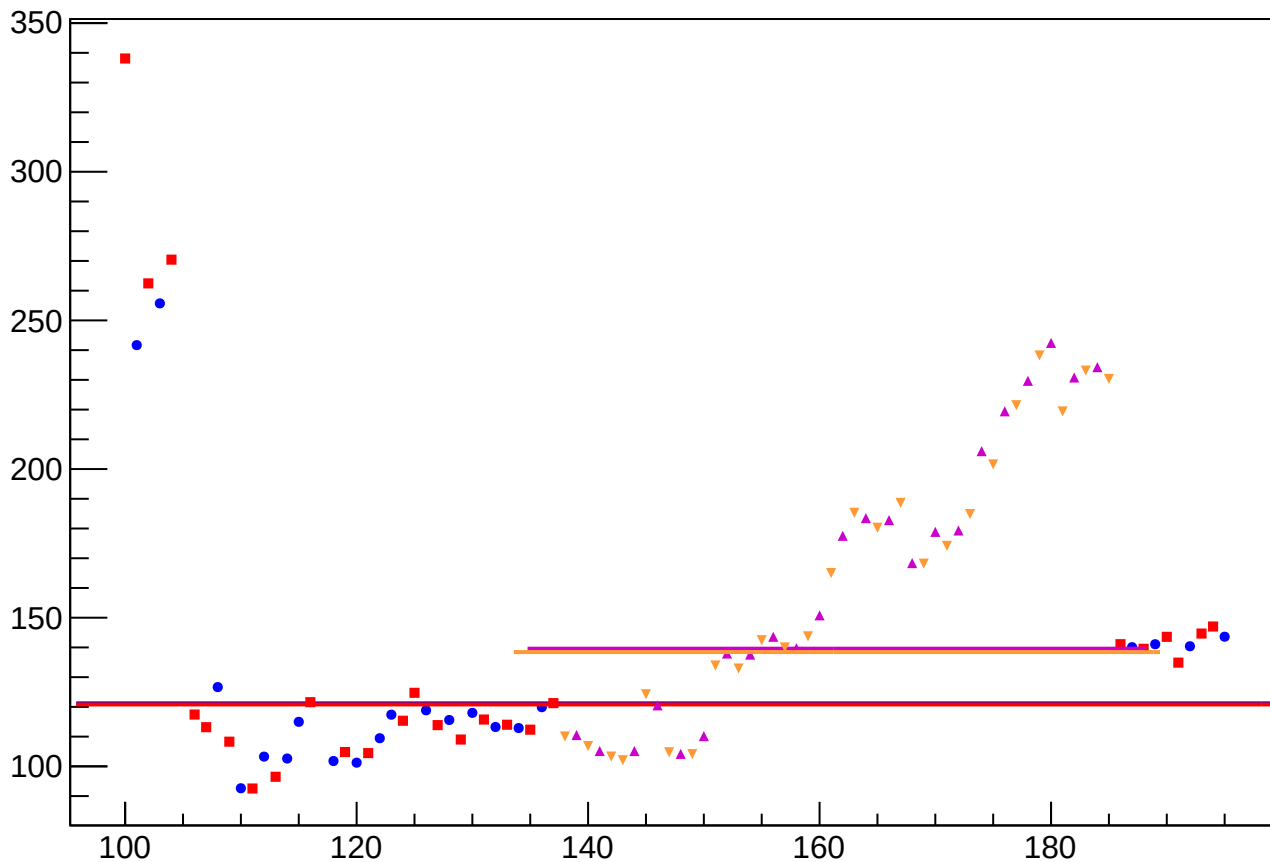
Left In: 6053.569 ± 34.998 $\chi^2/\text{NDF}: 17590.3/22$

+ sign -2362.376 ± 26.325 $\chi^2/\text{NDF}: 137544.6/45$

All: -706.075 ± 18.497 $\chi^2/\text{NDF}: 310805.7/93$

- sign 909.065 ± 25.996 $\chi^2/\text{NDF}: 165442.1/47$

asym_bpm1i02WS_rms vs Slug



Right In: 121.176+/-0.030 χ^2/NDF : 868597.8/20

Left Out: 138.436+/-0.024 χ^2/NDF : 2549435.8/24

Right Out: 120.827+/-0.027 χ^2/NDF : 1013129.4/24

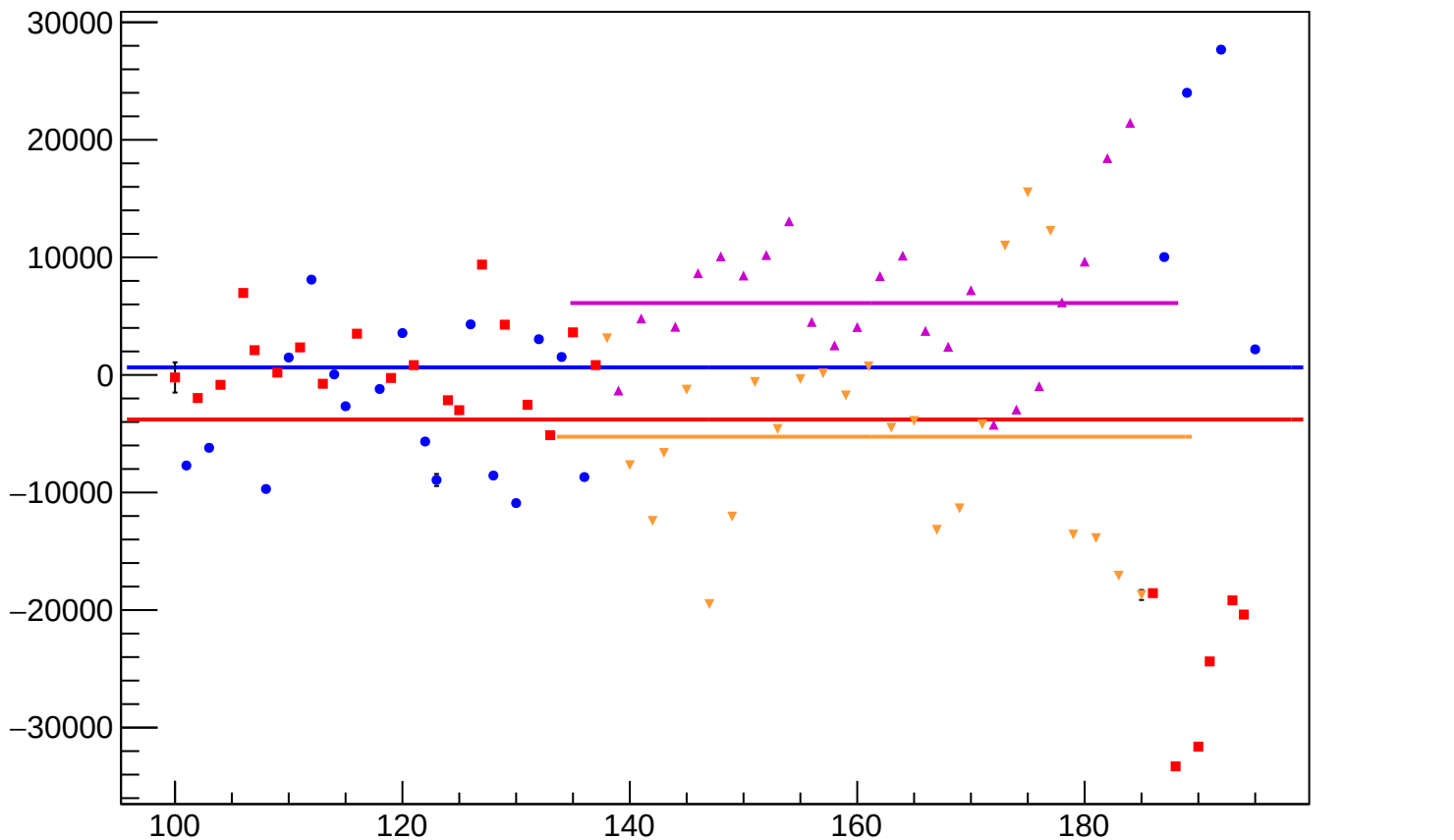
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 131.706+/-0.019 χ^2/NDF : 3622541.9/45

All: 131.436+/-0.013 χ^2/NDF : 7307098.1/93

- sign 131.172+/-0.018 χ^2/NDF : 3684140.0/47

asym_bpm1i04WS_mean vs Slug



Right In: 645.576+/-36.770 χ^2/NDF : 70884.7/20

Left Out: -5255.652+/-30.622 χ^2/NDF : 64324.6/24

Right Out: -3789.204+/-34.196 χ^2/NDF : 106967.7/24

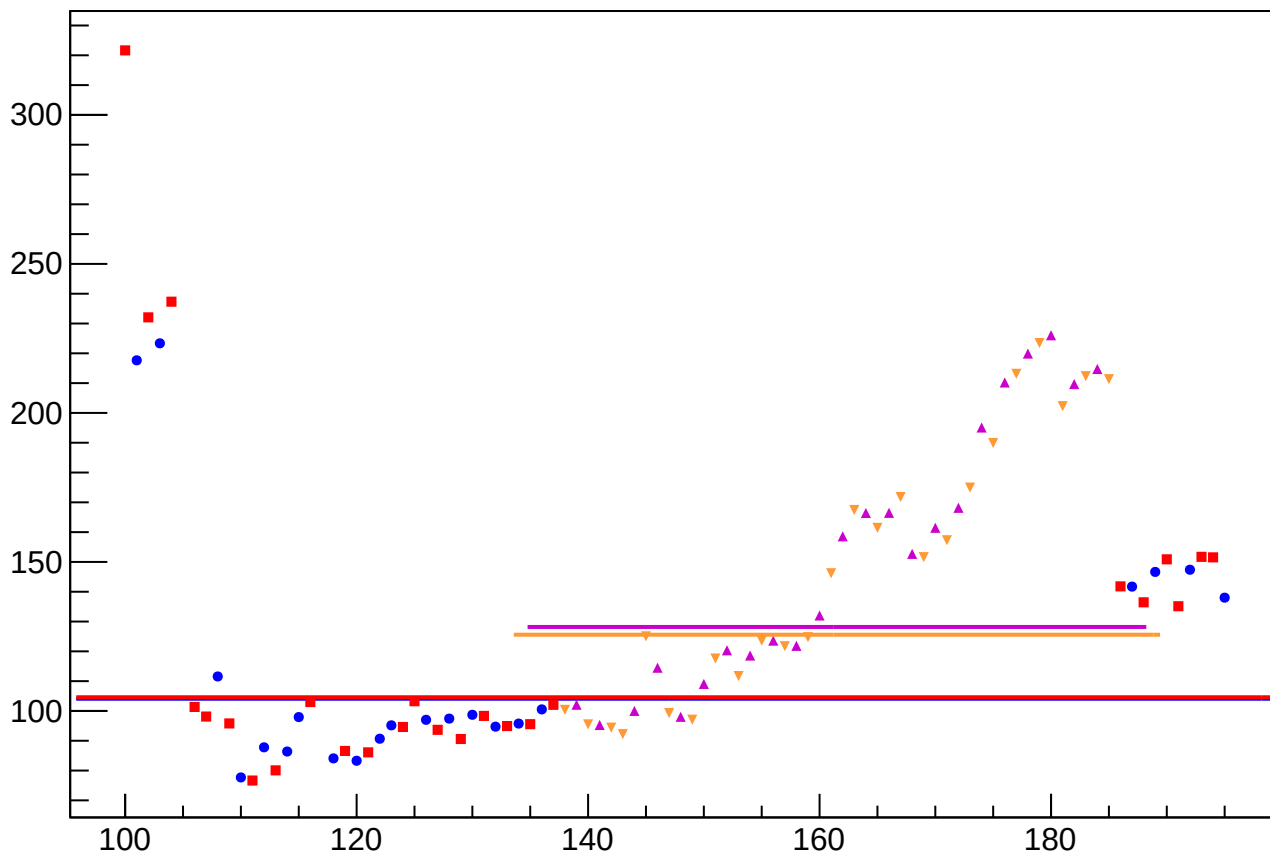
Left In: 6114.901+/-32.126 χ^2/NDF : 21260.9/22

+ sign -2838.992+/-23.531 χ^2/NDF : 150418.0/45

All: -672.910+/-16.597 χ^2/NDF : 340068.5/93

- sign 1471.721+/-23.414 χ^2/NDF : 172786.8/47

asym_bpm1i04WS_rms vs Slug



Right In: 104.103+/-0.026 χ^2/NDF : 1239282.1/20

Left Out: 125.577+/-0.022 χ^2/NDF : 2595752.6/24

Right Out: 104.594+/-0.024 χ^2/NDF : 1522713.1/24

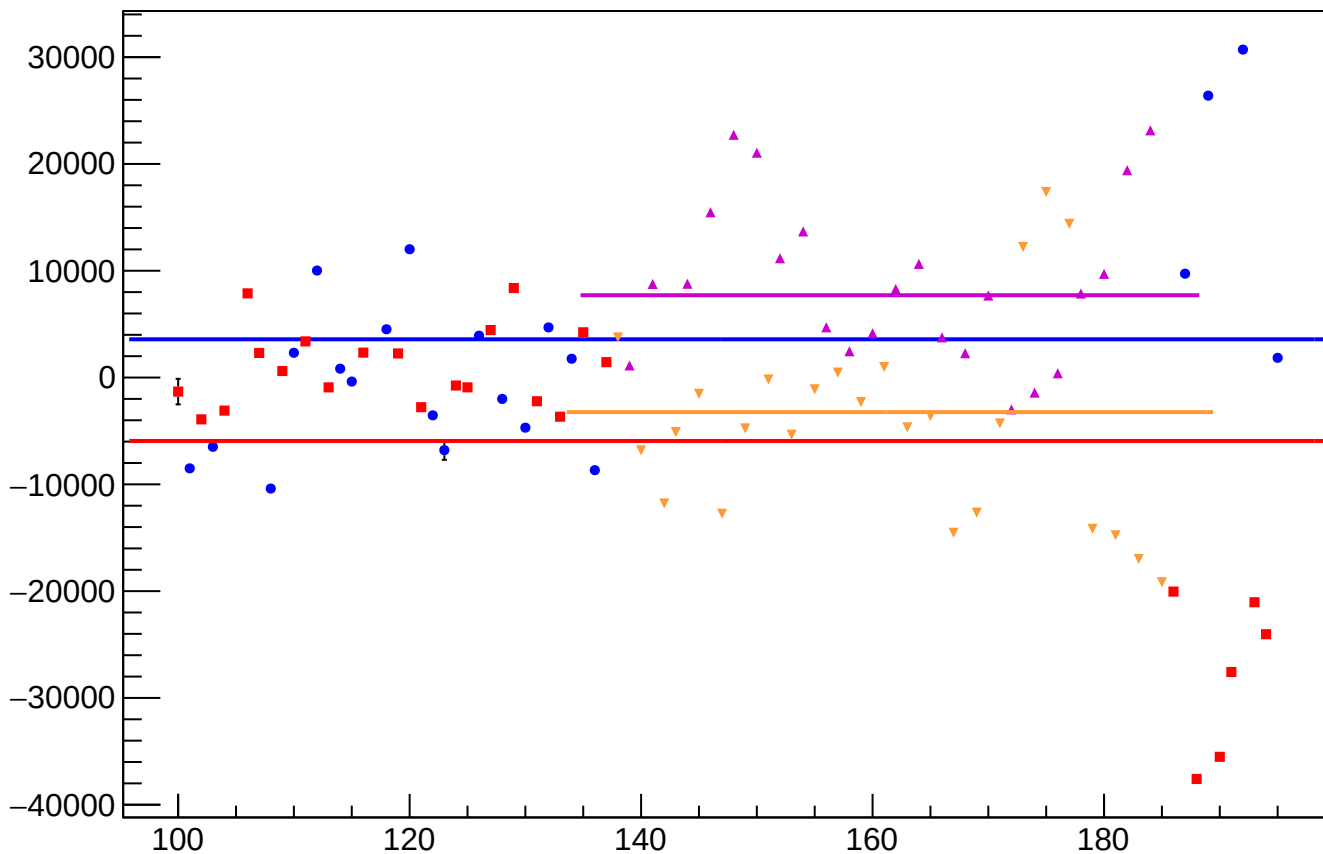
Left In: 128.184+/-0.023 χ^2/NDF : 2332977.5/22

+ sign 116.783+/-0.017 χ^2/NDF : 4237804.5/45

All: 116.955+/-0.012 χ^2/NDF : 8599250.2/93

- sign 117.125+/-0.017 χ^2/NDF : 4361234.3/47

asym_bpm1i06WS_mean vs Slug



Right In: 3581.167 ± 49.153 $\chi^2/\text{NDF}: 52420.5/20$

Left Out: -3234.922 ± 40.583 $\chi^2/\text{NDF}: 36739.9/24$

Right Out: -5935.960 ± 45.462 $\chi^2/\text{NDF}: 88768.5/24$

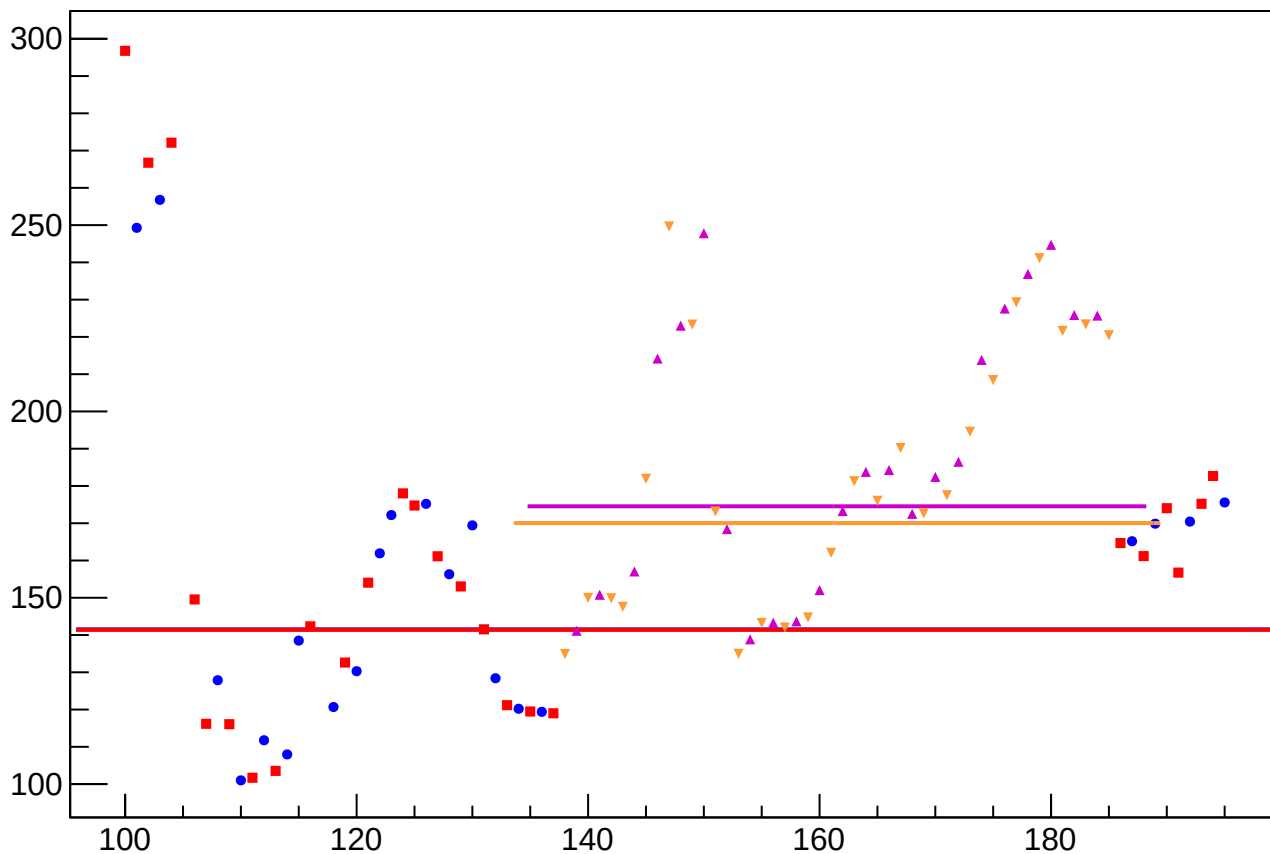
Left In: 7707.068 ± 42.990 $\chi^2/\text{NDF}: 21268.3/22$

+ sign -471.967 ± 31.295 $\chi^2/\text{NDF}: 100595.2/45$

All: 398.951 ± 22.108 $\chi^2/\text{NDF}: 259722.0/93$

- sign 1266.614 ± 31.236 $\chi^2/\text{NDF}: 157580.7/47$

asym_bpm1i06WS_rms vs Slug



Right In: 141.513 $\pm$ 0.035 χ^2 /NDF: 969604.5/20

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

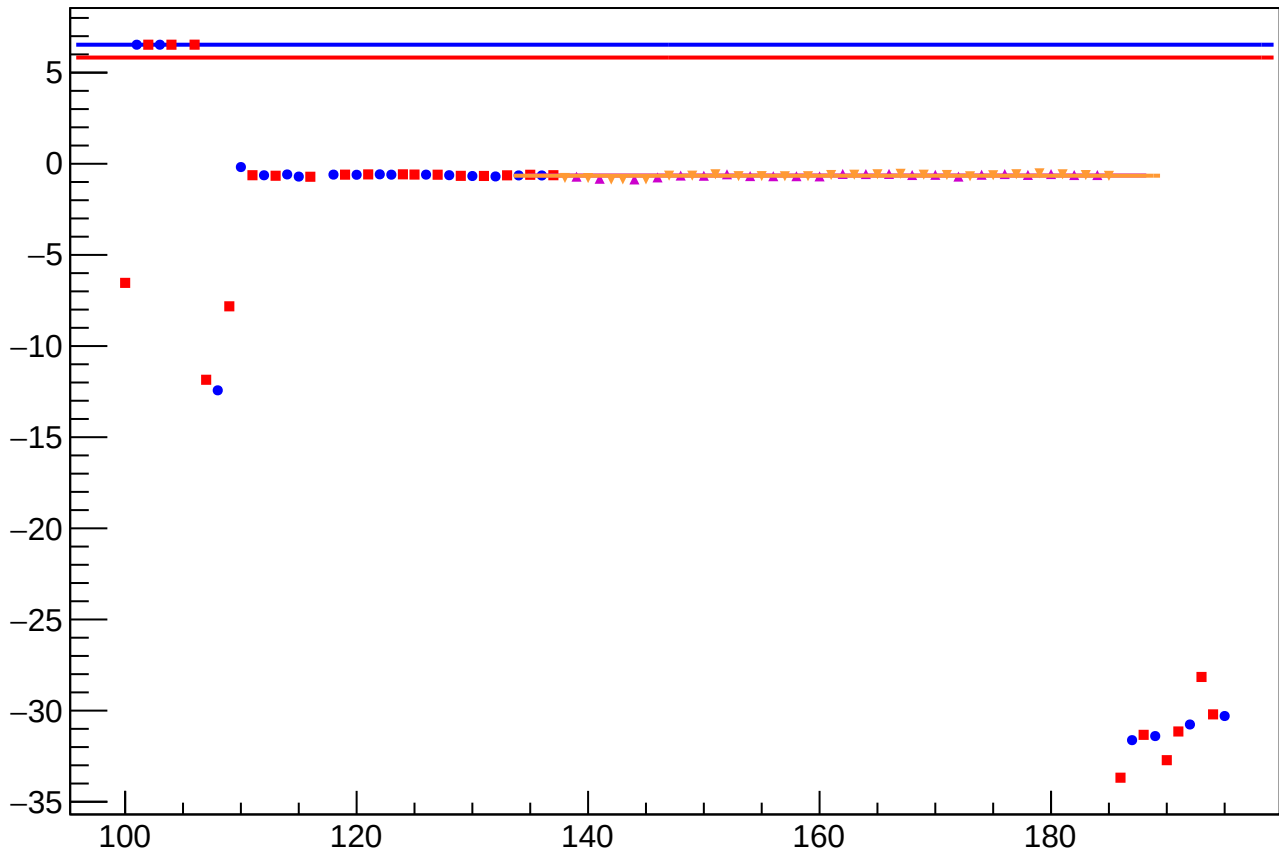
Left In: 174.539 $\pm$ 0.030 χ^2 /NDF:1210071.2/22

+ sign 158.482 $\pm$ 0.022 χ^2 /NDF: 2611326.7/45

All: 158.689 $\pm$ 0.016 χ^2 /NDF: 5521340.2/93

- 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: 127732856400.5/20

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

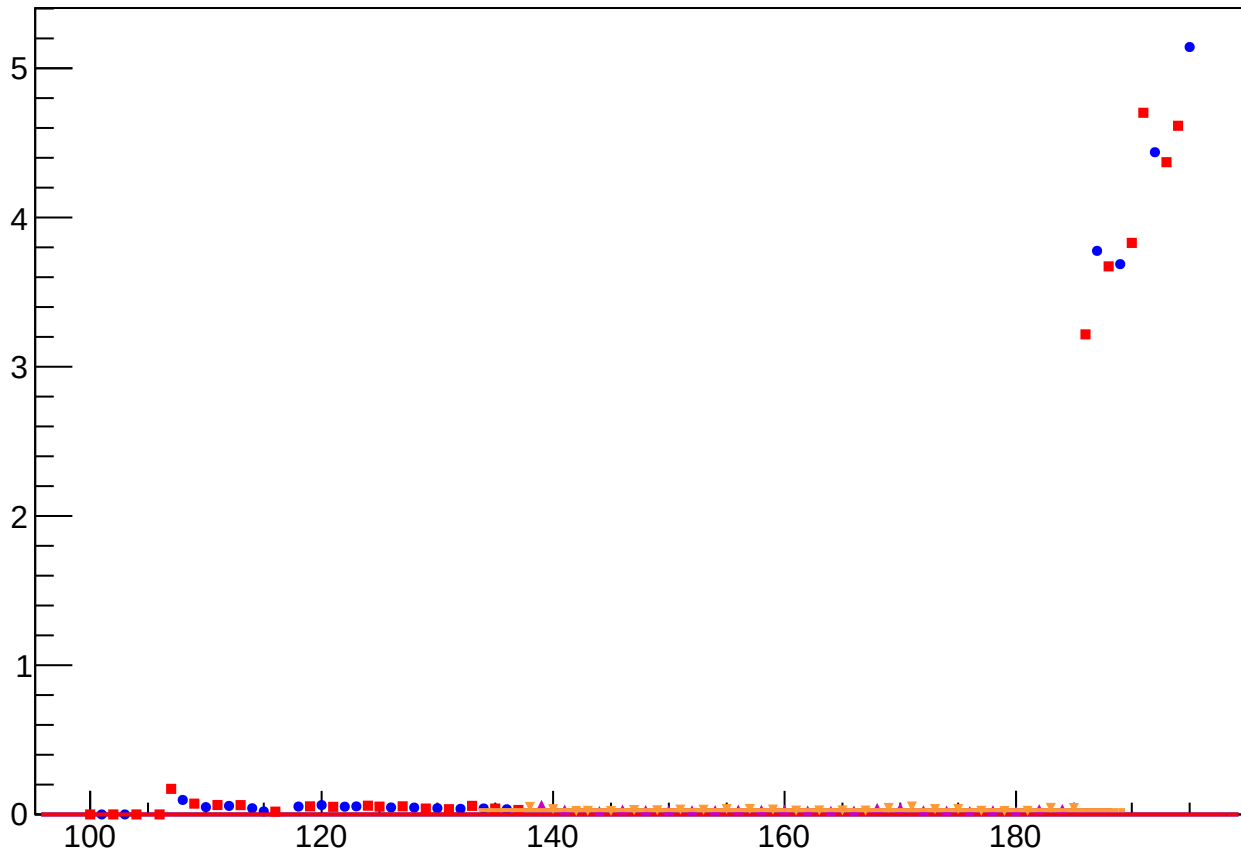
Left In: -0.644 $\pm$ 0.000 χ^2 /NDF: 122913584.0/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 999122149764.8/45

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 7776018753805

- 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 : 13616493.2/20

Left Out: 0.029+/-0.000 χ^2/NDF :1487017.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 16041169.0/24

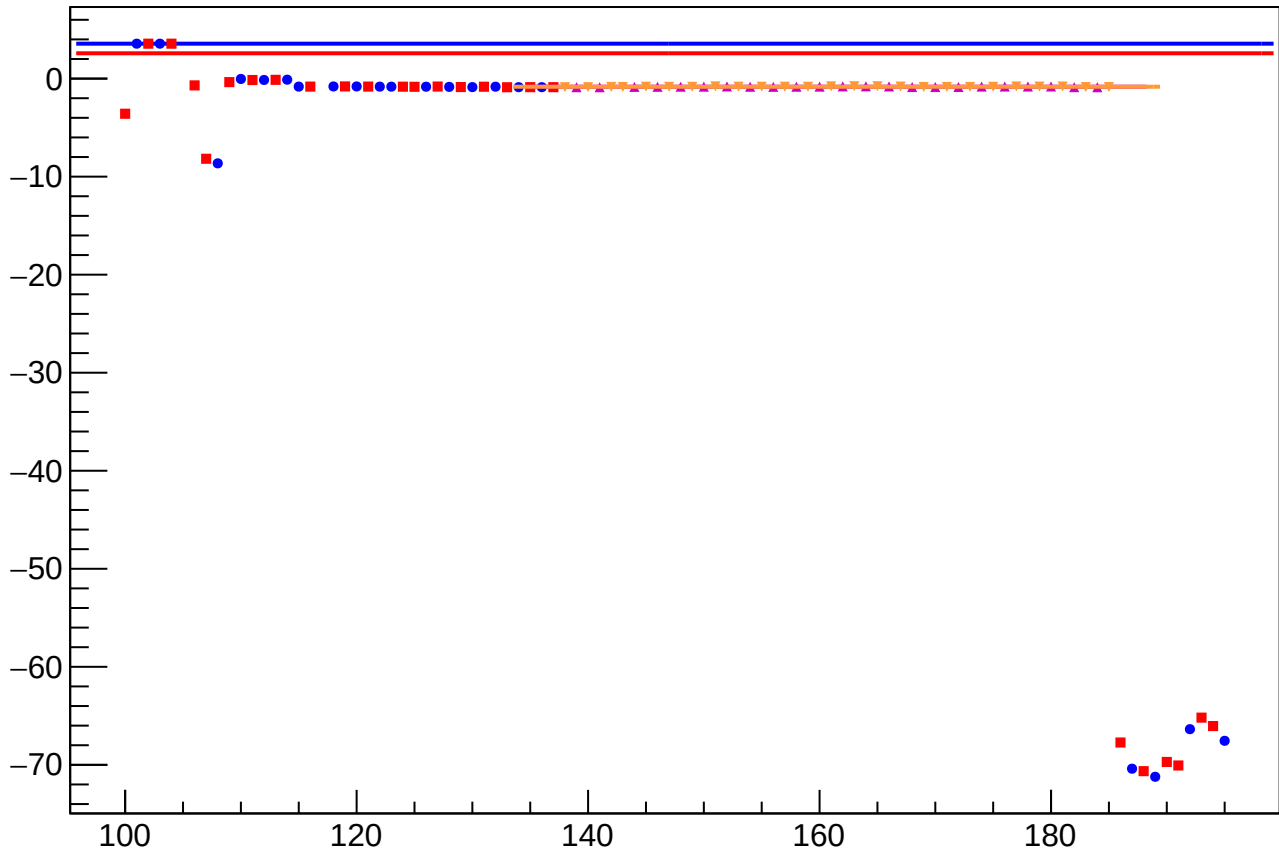
Left In: 0.029+/-0.000 χ^2/NDF :1164030.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 43487898.9/45

All: 0.000+/-0.000 χ^2/NDF : 87495453.9/93

- sign 0.000+/-0.000 χ^2/NDF : 44006871.4/47

yield_cav4bY_mean vs Slug



Right In: 3.563 ± 0.000 χ^2/NDF : 492726361395.0/20

Left Out: -0.828 ± 0.000 χ^2/NDF : 168178464.8/24

Right Out: 2.583 ± 0.000 χ^2/NDF : 1253515296212974.8/24

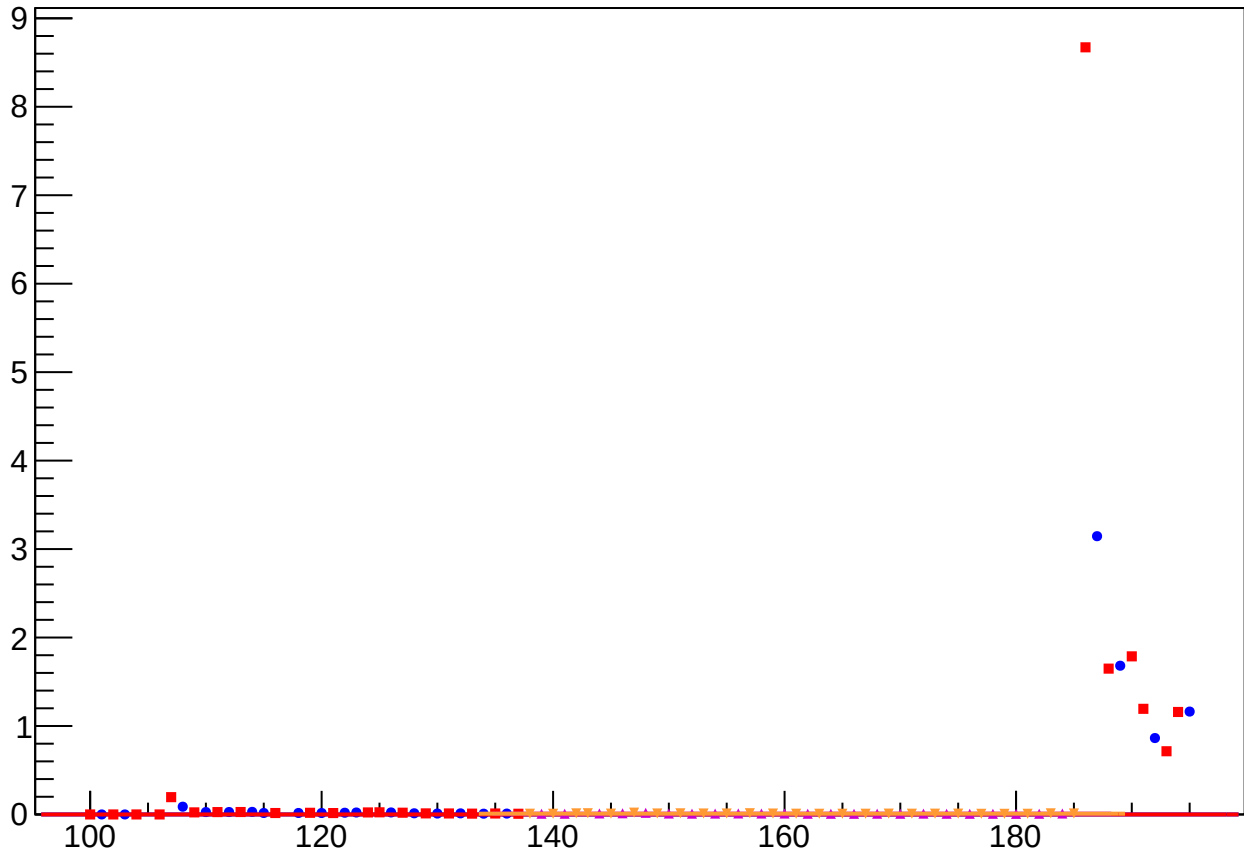
Left In: -0.827 ± 0.000 χ^2/NDF : 172640246.1/22

+ sign 3.560 ± 0.000 χ^2/NDF : 4174883053945.4/45

All: 3.038 ± 0.000 χ^2/NDF : 13879657127823

- sign 2.581 ± 0.000 χ^2/NDF : 1255715348998696.8

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 13592498.4/20

Left Out: 0.009+/-0.000 χ^2/NDF :1454710.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 15699991.1/24

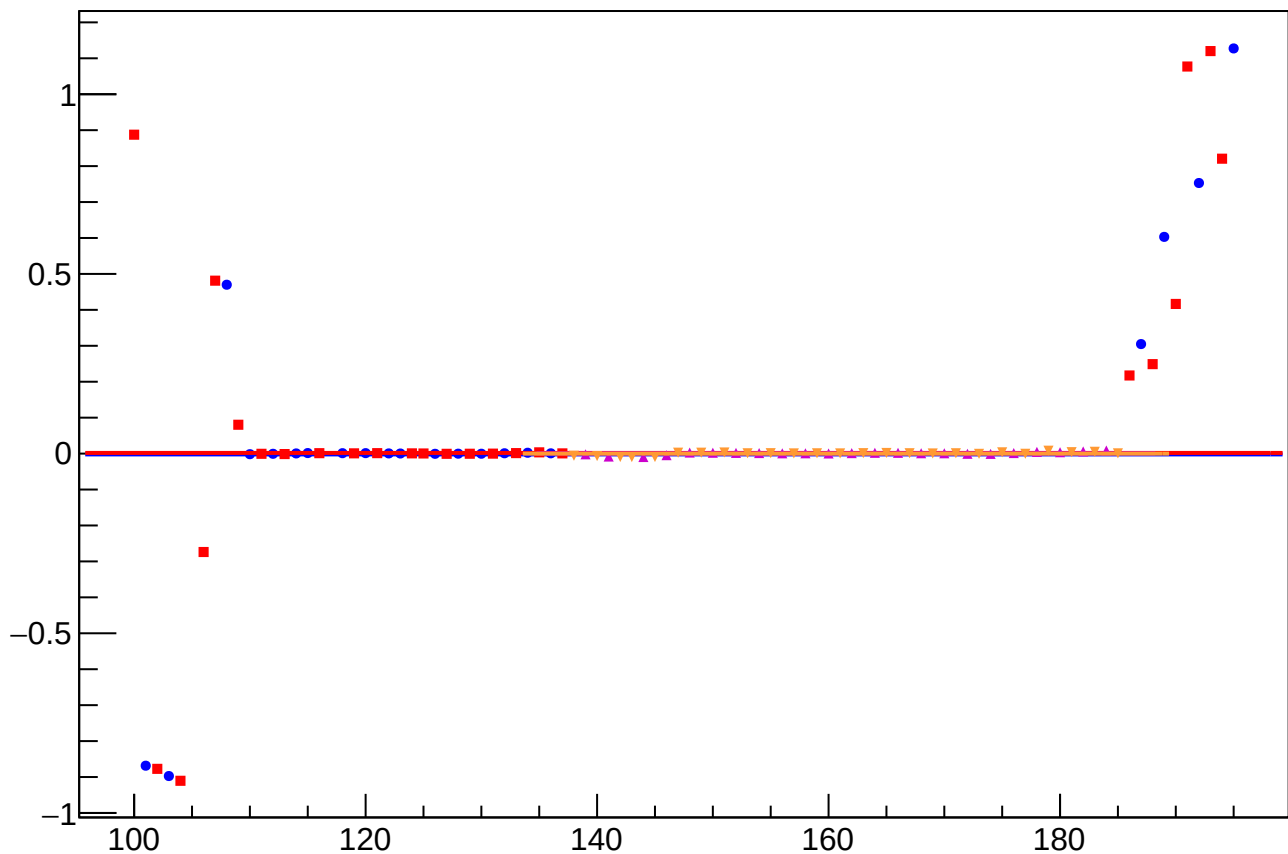
Left In: 0.009+/-0.000 χ^2/NDF :1041524.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 45001343.7/45

All: 0.000+/-0.000 χ^2/NDF : 90248016.7/93

- sign 0.000+/-0.000 χ^2/NDF : 45245550.5/47

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 χ^2/NDF : 9796033321.8/20

Left Out: -0.000 ± 0.000 χ^2/NDF : 151482851.1/24

Right Out: 0.002 ± 0.000 χ^2/NDF : 3042017777.9/24

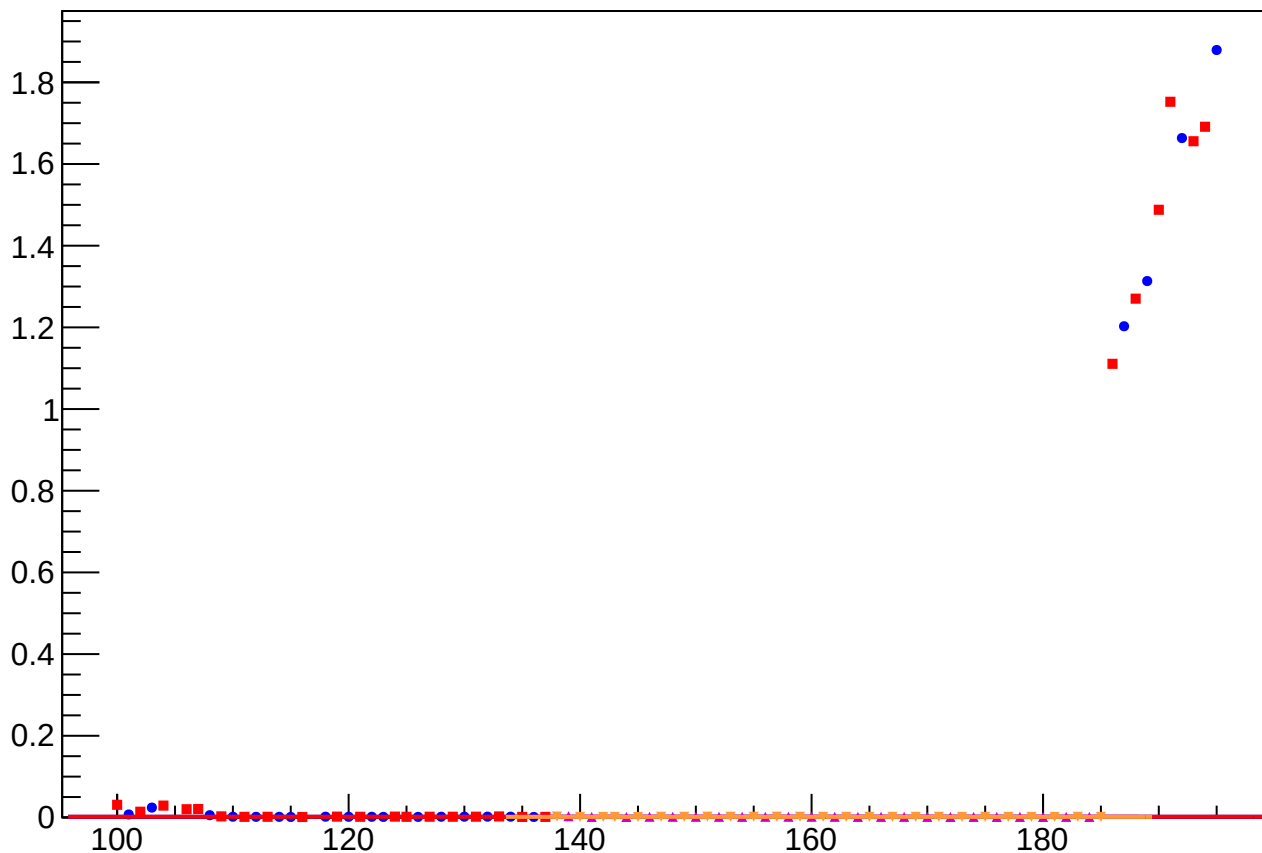
Left In: 0.001 ± 0.000 χ^2/NDF : 101439617.3/22

+ sign -0.001 ± 0.000 χ^2/NDF : 9954052714.8/45

All: 0.000 ± 0.000 χ^2/NDF : 13107056326.5/9

- sign 0.001 ± 0.000 χ^2/NDF : 3145422694.0/47

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 6489697.2/20

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:539817.3/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 9697156.9/24

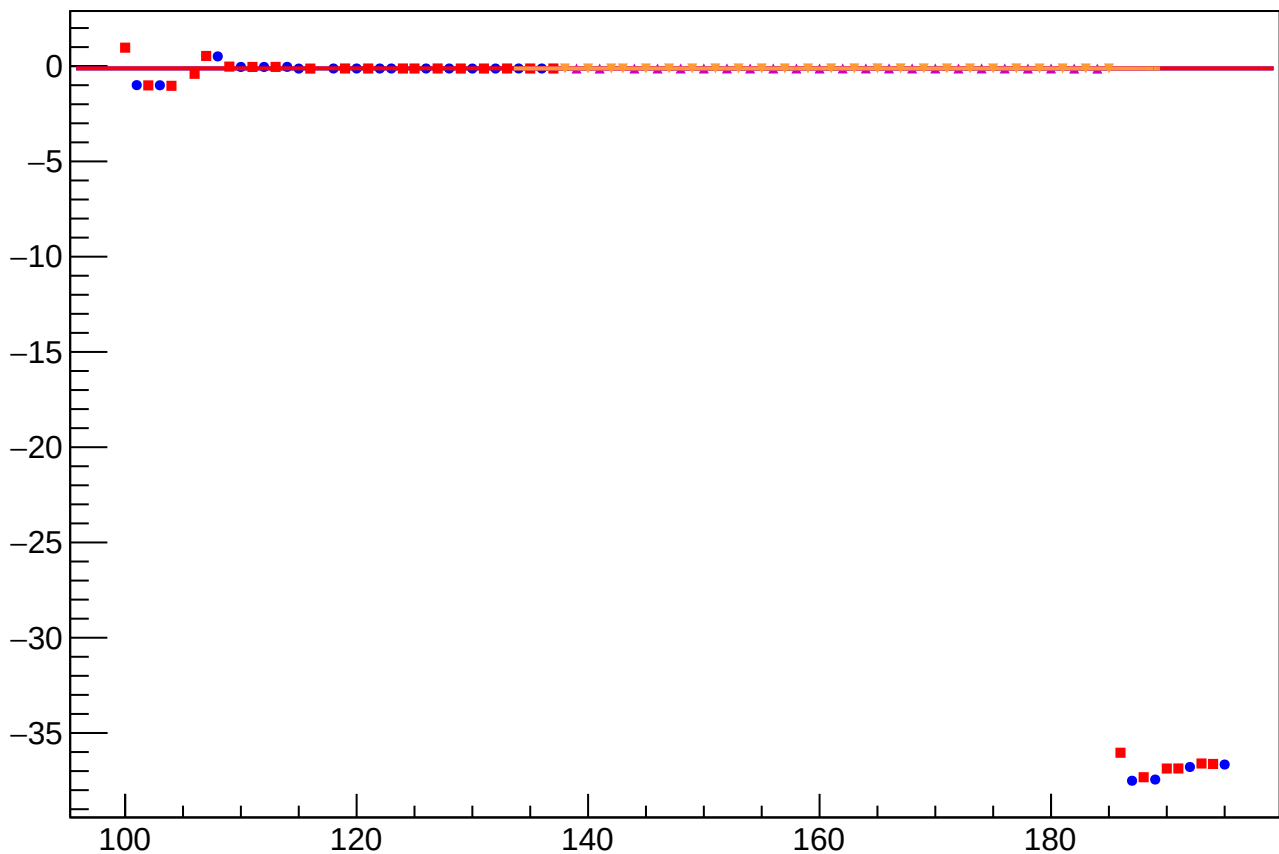
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:626044.8/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 7100436.4/45

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 17541312.7/93

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 10431918.1/47

yield_cav4cY_mean vs Slug



Right In: -0.121+/-0.000 χ^2/NDF : 21909167024.6/20

Left Out: -0.121+/-0.000 χ^2/NDF : 58120109.3/24

Right Out: -0.116+/-0.000 χ^2/NDF : 27230799460.3/24

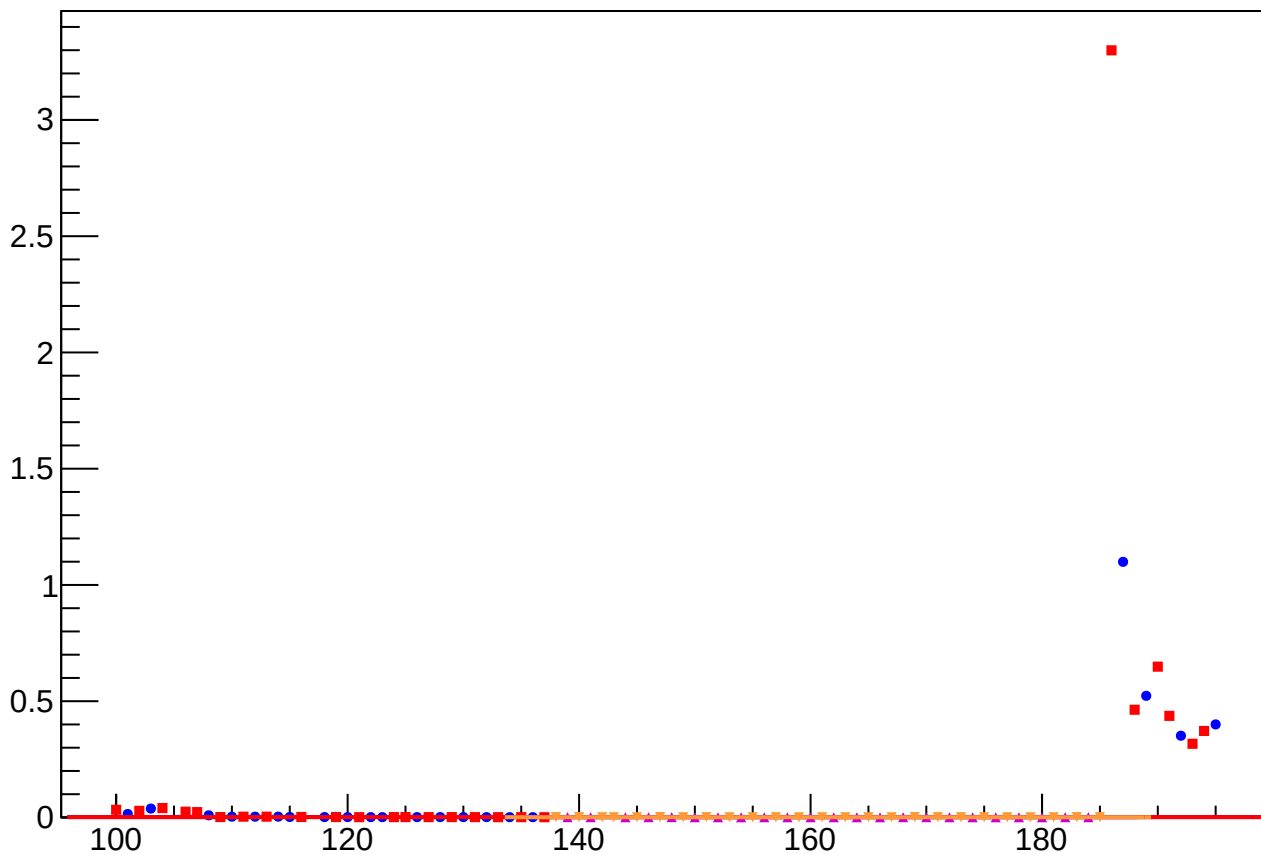
Left In: -0.121+/-0.000 χ^2/NDF : 52113932.9/22

+ sign -0.121+/-0.000 χ^2/NDF : 21967693352.8/45

All: -0.121+/-0.000 χ^2/NDF : 49299795956.9

- sign -0.120+/-0.000 χ^2/NDF : 27328067143.1/47

yield_cav4cY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 7254125.7/20

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:1363316.8/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 9927513.5/24

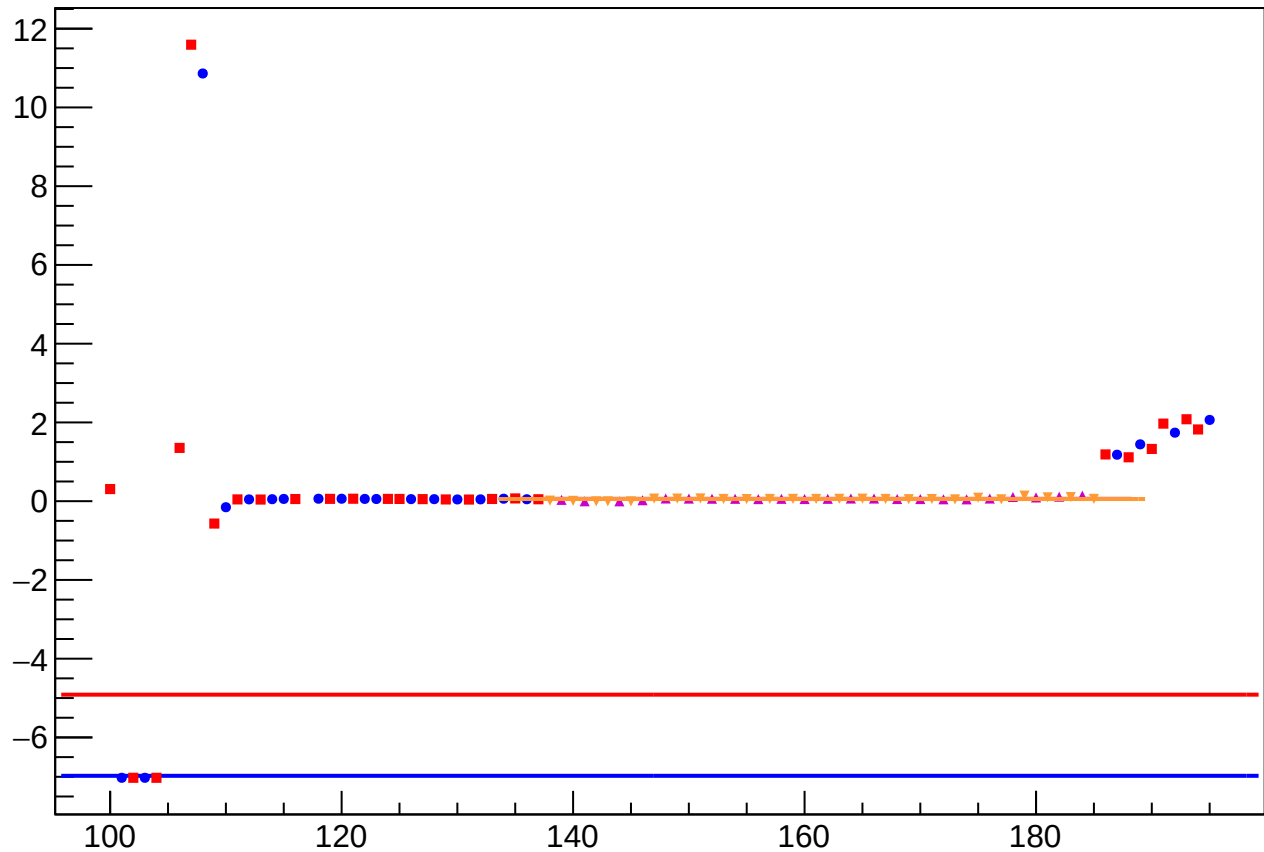
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:970801.8/22

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 9807733.0/45

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 21827471.7/93

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 12017898.8/47

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8797444216657.8/20

Left Out: 0.055 ± 0.000 χ^2/NDF : 243682351.4/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365352738707885.4/24

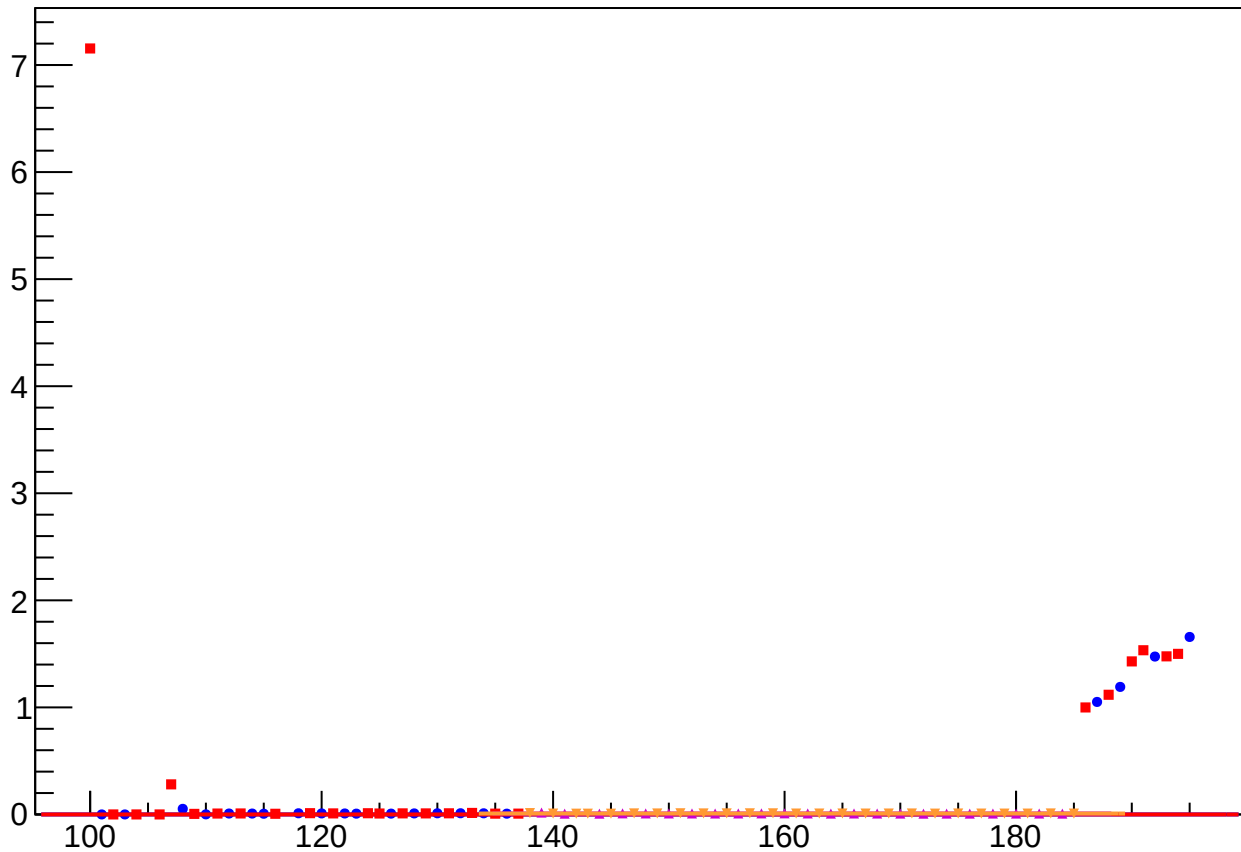
Left In: 0.059 ± 0.000 χ^2/NDF : 178541521.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18423758470904.5/20

All: -5.858 ± 0.000 χ^2/NDF : 4435287347278

- sign -4.882 ± 0.000 χ^2/NDF : 369731759306379.3

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 12930013.6/20

Left Out: 0.009+/-0.000 χ^2/NDF : 514432.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 15469399.9/24

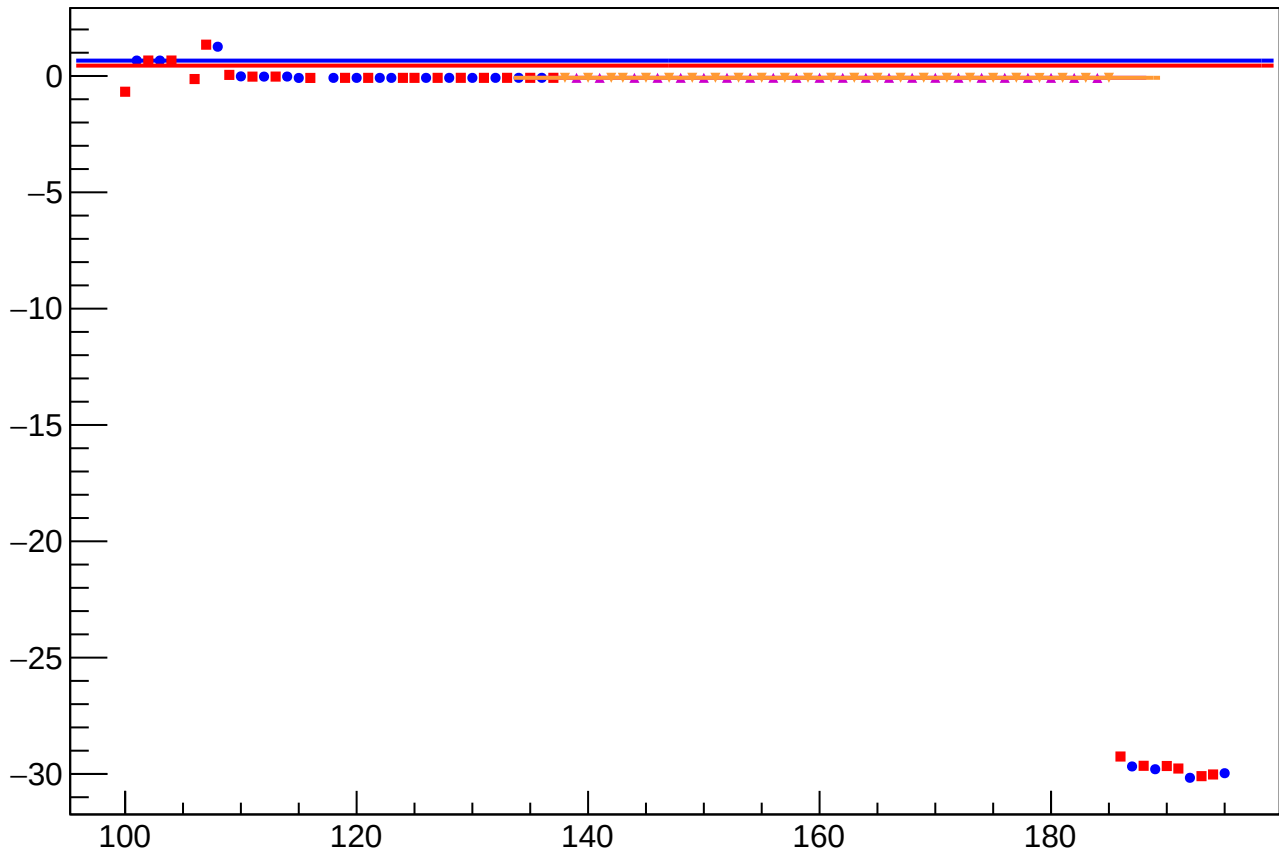
Left In: 0.009+/-0.000 χ^2/NDF : 602517.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 41832546.8/45

All: 0.000+/-0.000 χ^2/NDF : 84763150.8/93

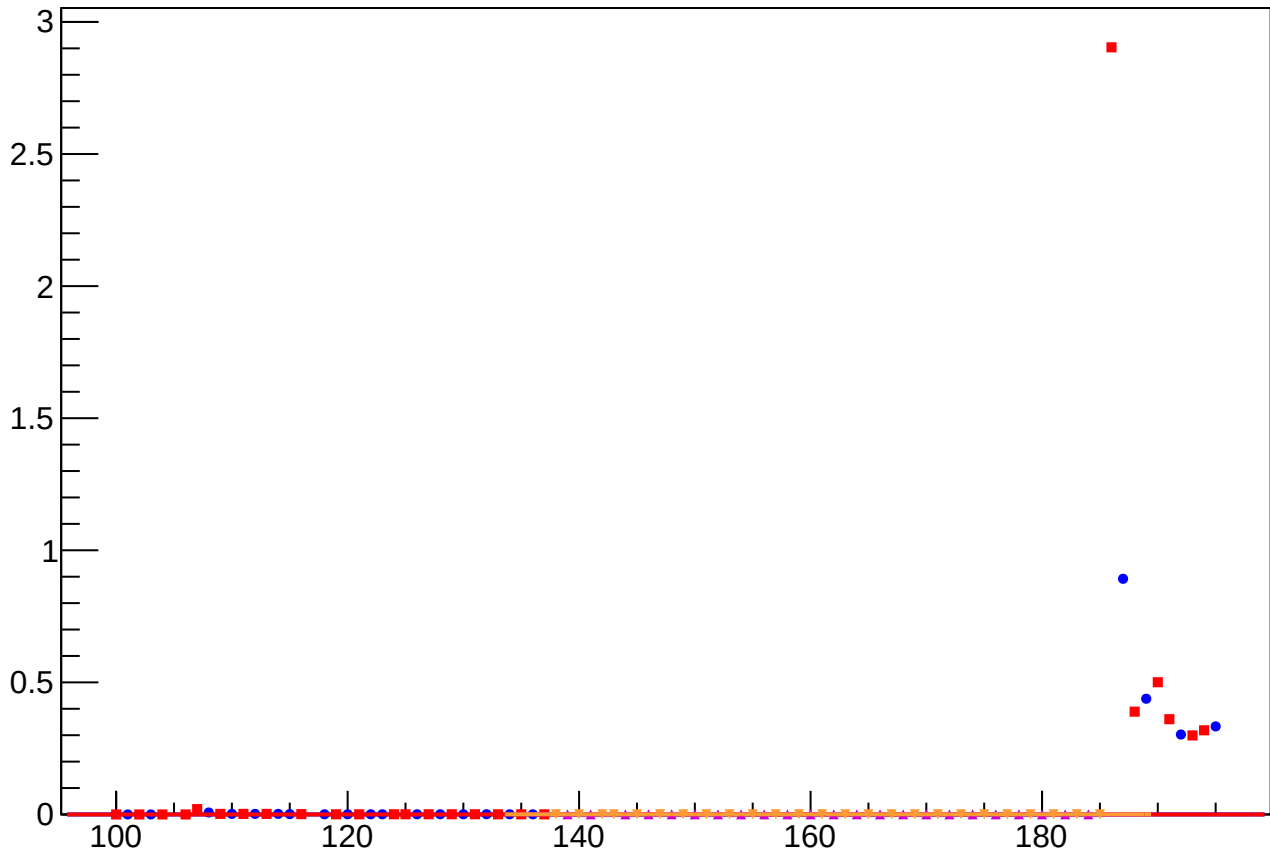
- sign 0.000+/-0.000 χ^2/NDF : 42925802.2/47

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000	χ^2/NDF : 5676937359104.0/20	+ sign 0.646+/-0.000	χ^2/NDF : 35775746527847.7/4
Left Out: -0.078+/-0.000	χ^2/NDF : 156404795.7/24	All: 0.537+/-0.000	χ^2/NDF : 51588590271186
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 : 14503345.1/20

Left Out: 0.001+/-0.000 χ^2/NDF : 465981.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 16035613.2/24

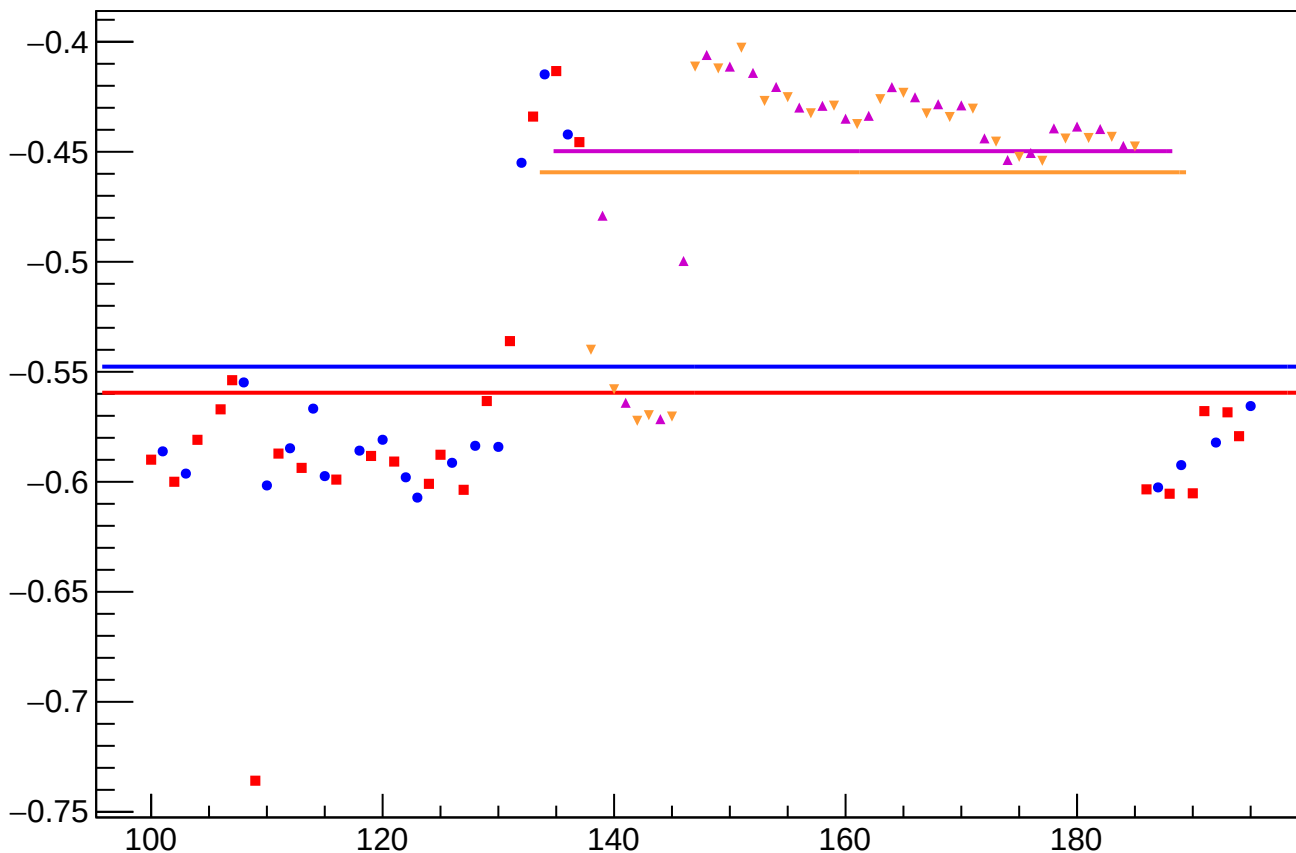
Left In: 0.001+/-0.000 χ^2/NDF : 355509.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 47057235.3/45

All: 0.000+/-0.000 χ^2/NDF : 93893827.4/93

- sign 0.000+/-0.000 χ^2/NDF : 46828767.4/47

yield_bpm4aX_mean vs Slug



Right In: -0.548 $\pm$ 0.000 χ^2 /NDF: 47201593.4/20

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

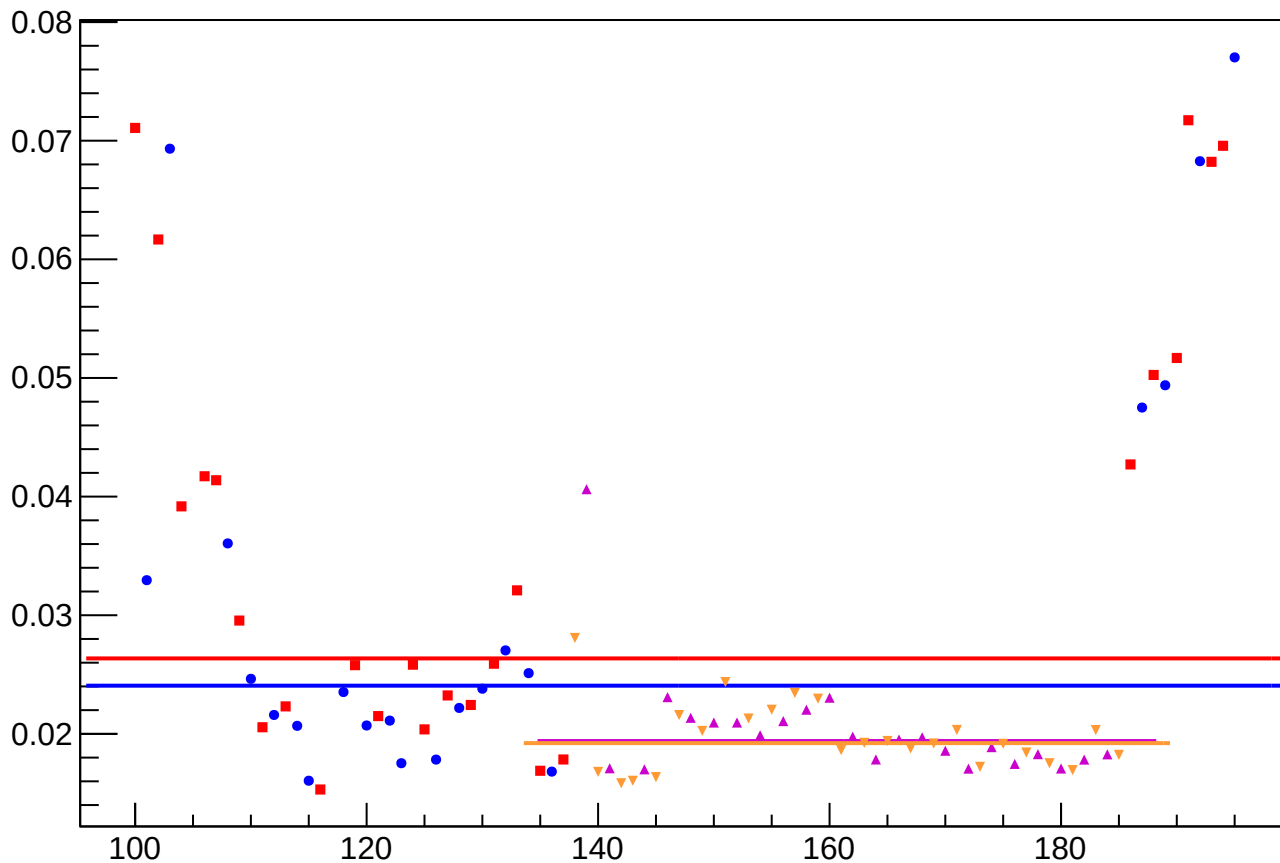
Left In: -0.450 $\pm$ 0.000 χ^2 /NDF: 76117957.8/22

+ sign -0.478 $\pm$ 0.000 χ^2 /NDF: 228709707.7/45

All: -0.477 $\pm$ 0.000 χ^2 /NDF: 472025204.7/93

- sign -0.475 $\pm$ 0.000 χ^2 /NDF: 242944844.5/47

yield_bpm4aX_rms vs Slug



Right In: 0.024 ± 0.000 χ^2/NDF : 2858516.1/20

Left Out: 0.019 ± 0.000 χ^2/NDF : 501711.6/24

Right Out: 0.026 ± 0.000 χ^2/NDF : 3375005.3/24

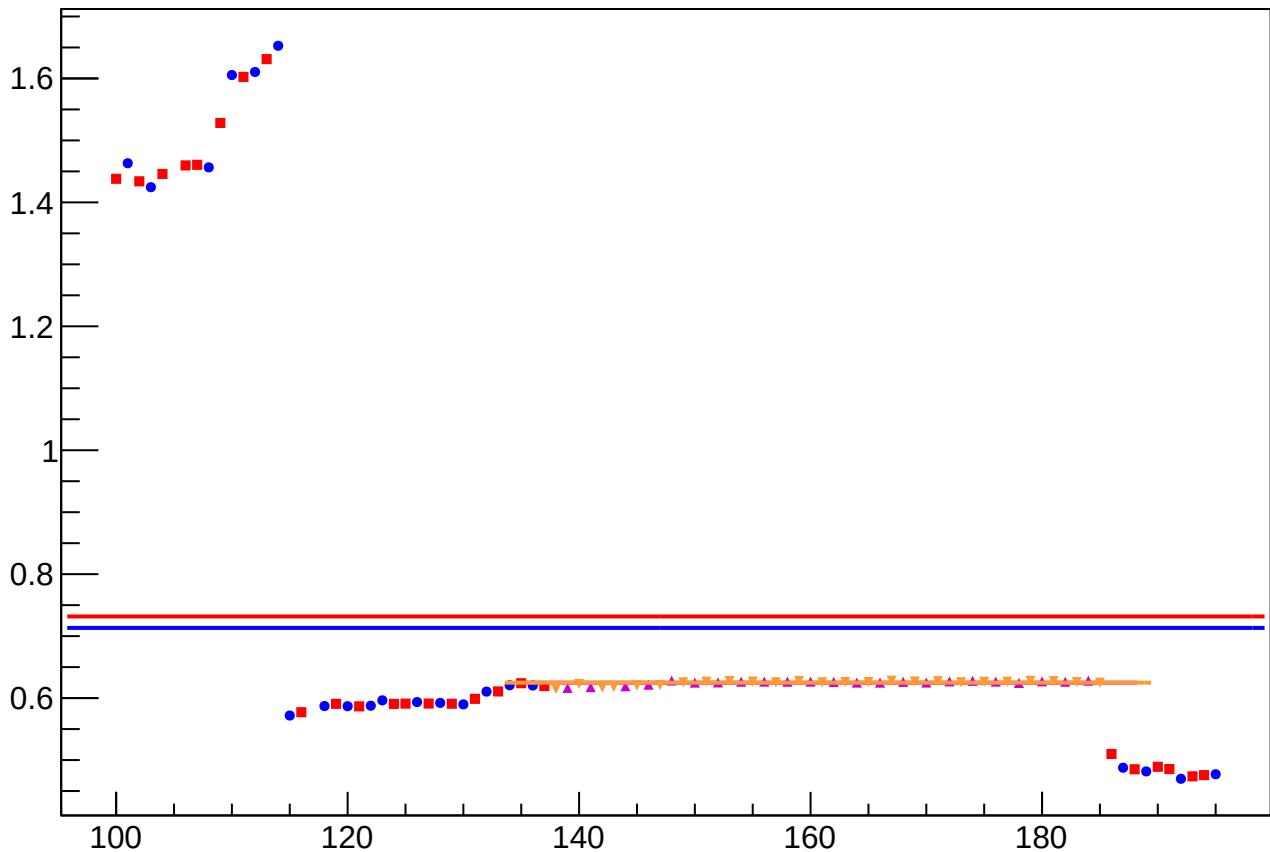
Left In: 0.019 ± 0.000 χ^2/NDF : 626443.5/22

+ sign 0.020 ± 0.000 χ^2/NDF : 3768436.5/45

All: 0.021 ± 0.000 χ^2/NDF : 8609288.3/93

- sign 0.021 ± 0.000 χ^2/NDF : 4816387.8/47

yield_bpm4aY_mean vs Slug



Right In: 0.713 $\pm$ 0.000 χ^2 /NDF: 4250925241.0/20

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

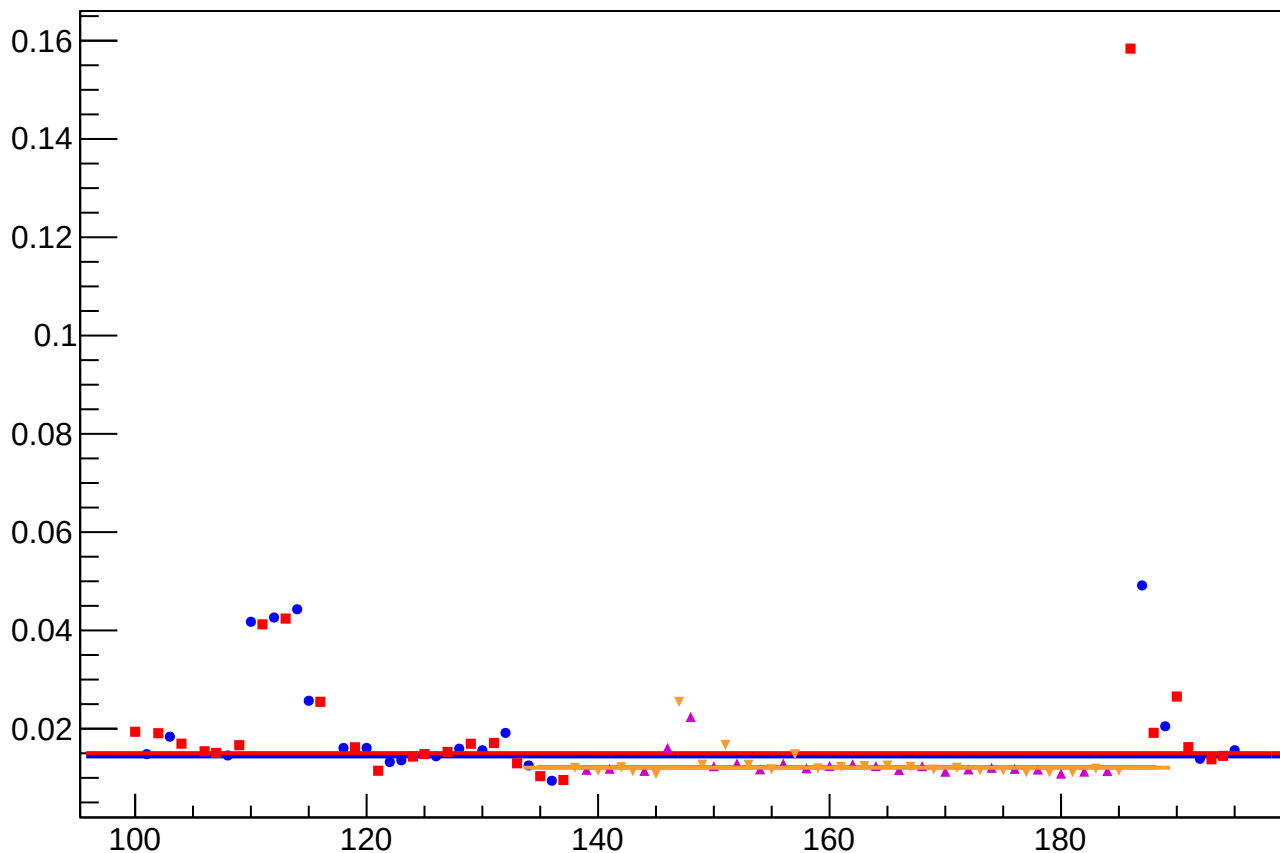
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1143954.1/22

+ sign 0.646 $\pm$ 0.000 χ^2 /NDF: 4476776053.0/45

All: 0.649 $\pm$ 0.000 χ^2 /NDF: 9979704705.9/93

- sign 0.652 $\pm$ 0.000 χ^2 /NDF: 5499761403.8/47

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1634571.0/20

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:657199.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2057483.2/24

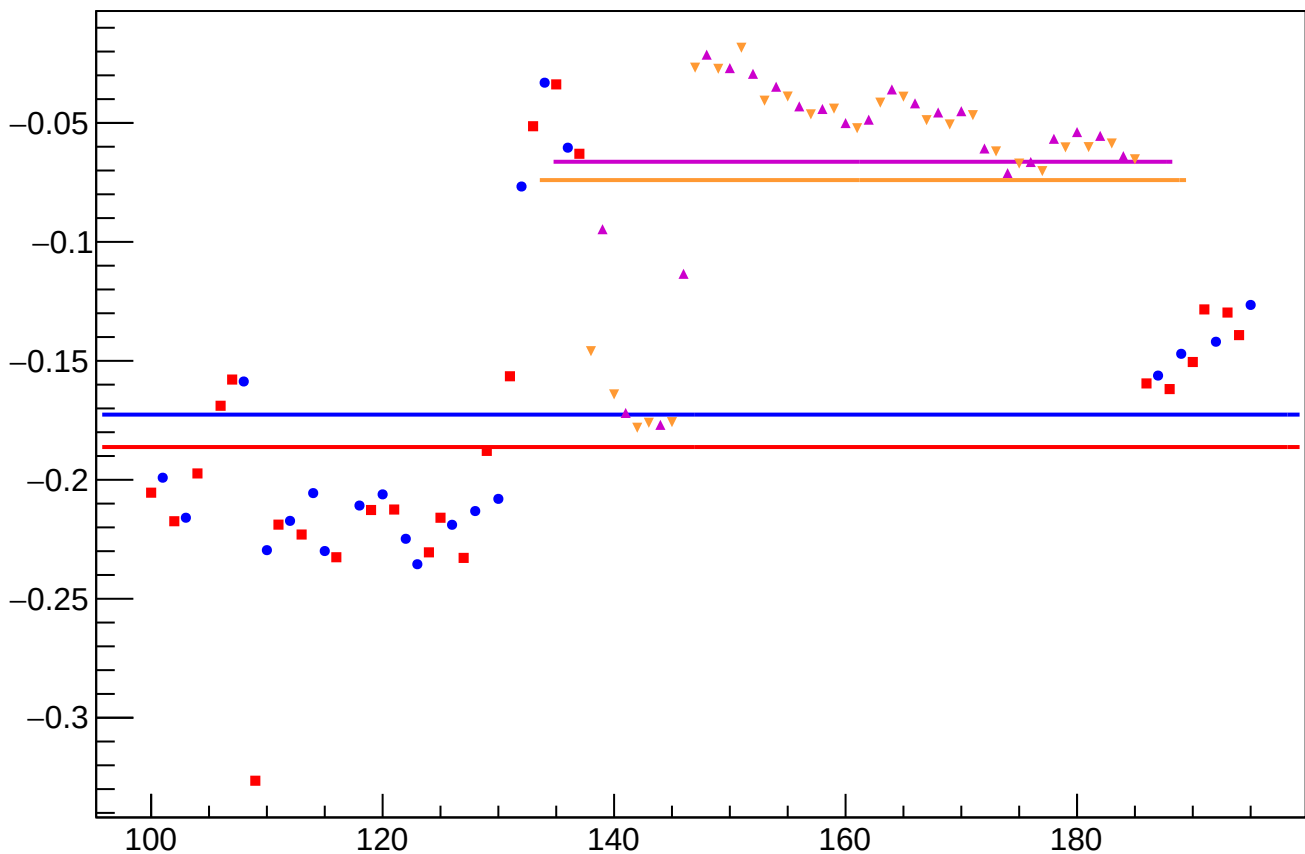
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:488363.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2594053.0/45

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5637358.6/93

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3032531.1/47

yield_bpm4eX_mean vs Slug



Right In: -0.173+/-0.000 χ^2/NDF : 67422302.5/20

Left Out: -0.074+/-0.000 χ^2/NDF : 107676601.9/24

Right Out: -0.186+/-0.000 χ^2/NDF : 83619839.9/24

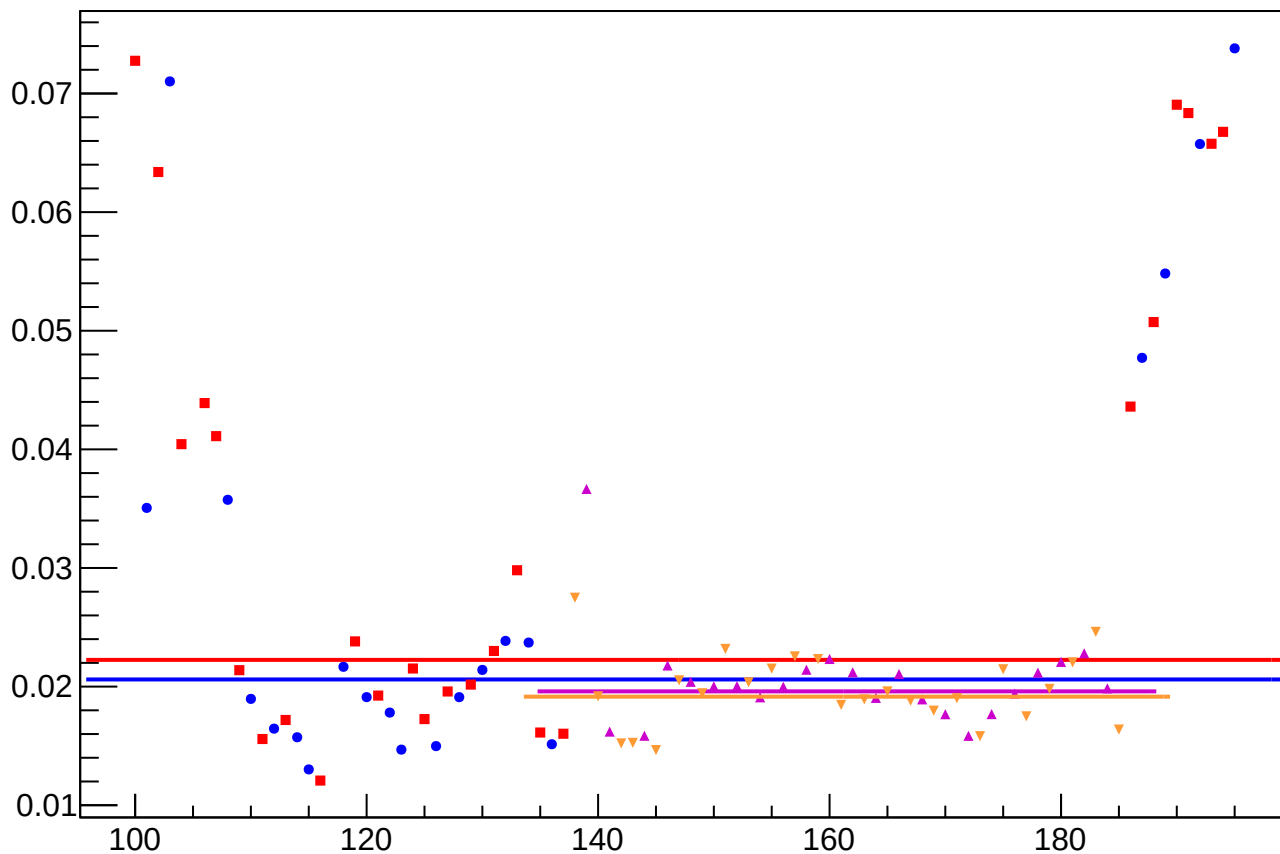
Left In: -0.066+/-0.000 χ^2/NDF : 76243051.8/22

+ sign -0.100+/-0.000 χ^2/NDF : 279677600.1/45

All: -0.100+/-0.000 χ^2/NDF : 588700788.1/93

- sign -0.100+/-0.000 χ^2/NDF : 309023187.0/47

yield_bpm4eX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF : 3414499.1/20

Left Out: 0.019+/-0.000 χ^2/NDF : 641277.0/24

Right Out: 0.022+/-0.000 χ^2/NDF : 4255494.3/24

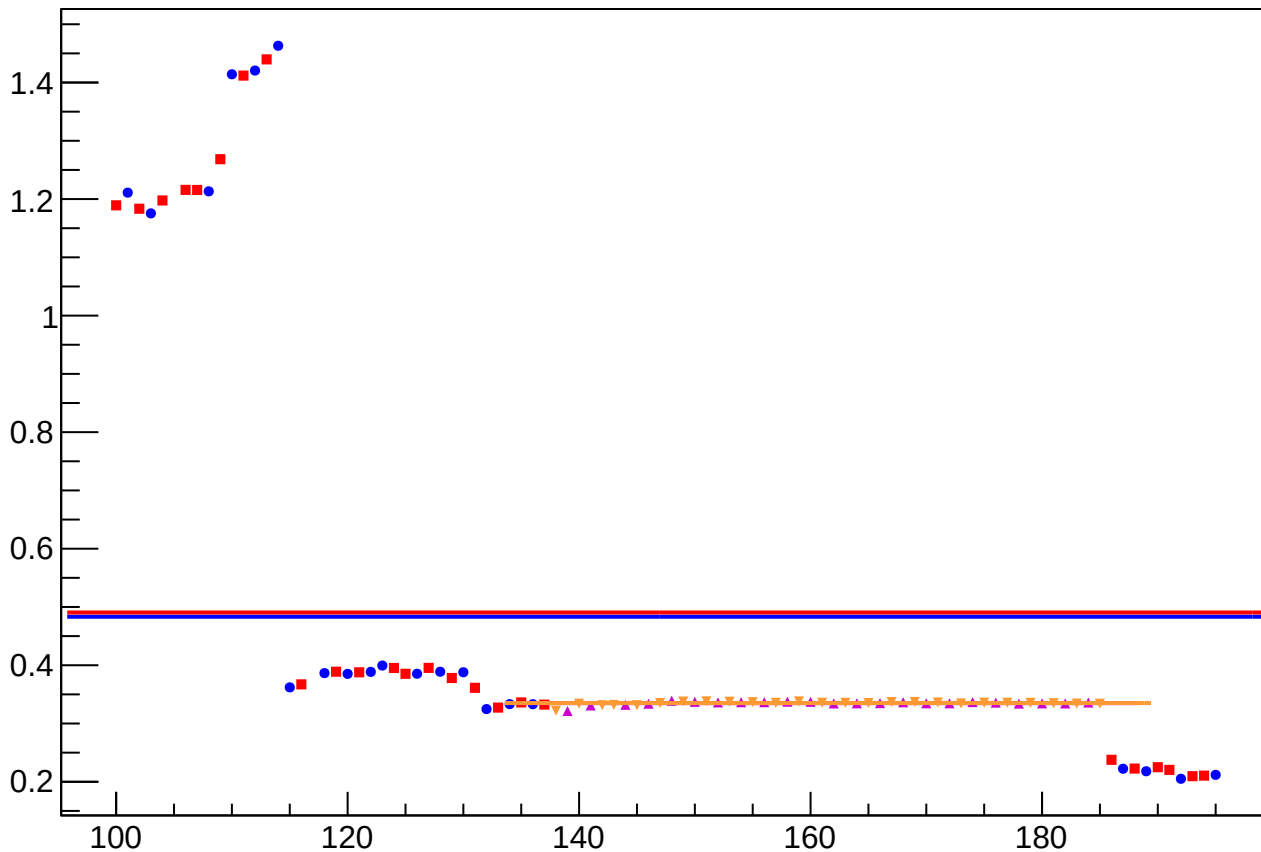
Left In: 0.020+/-0.000 χ^2/NDF : 623148.2/22

+ sign 0.020+/-0.000 χ^2/NDF : 4101163.9/45

All: 0.020+/-0.000 χ^2/NDF : 9161055.6/93

- sign 0.020+/-0.000 χ^2/NDF : 5024833.8/47

yield_bpm4eY_mean vs Slug



Right In: 0.483+/-0.000 χ^2/NDF : 6141178111.6/20

Left Out: 0.335+/-0.000 χ^2/NDF : 1154310.3/24

Right Out: 0.491+/-0.000 χ^2/NDF : 7184261982.2/24

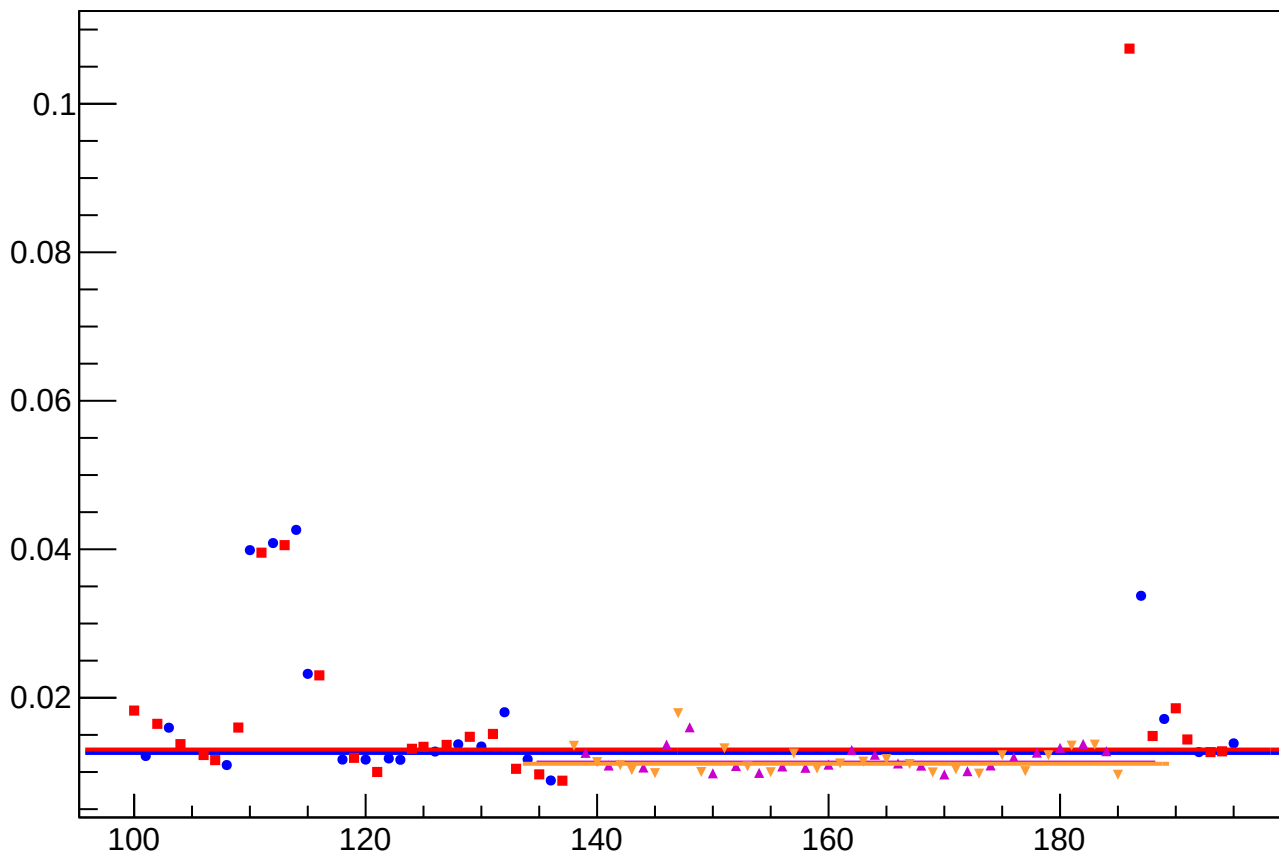
Left In: 0.335+/-0.000 χ^2/NDF : 1202194.8/22

+ sign 0.374+/-0.000 χ^2/NDF : 6947576934.9/45

All: 0.376+/-0.000 χ^2/NDF : 15035368753.8/9

- sign 0.380+/-0.000 χ^2/NDF : 8084407032.2/47

yield_bpm4eY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2/NDF : 1507145.7/20

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 607532.0/24

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 1920158.1/24

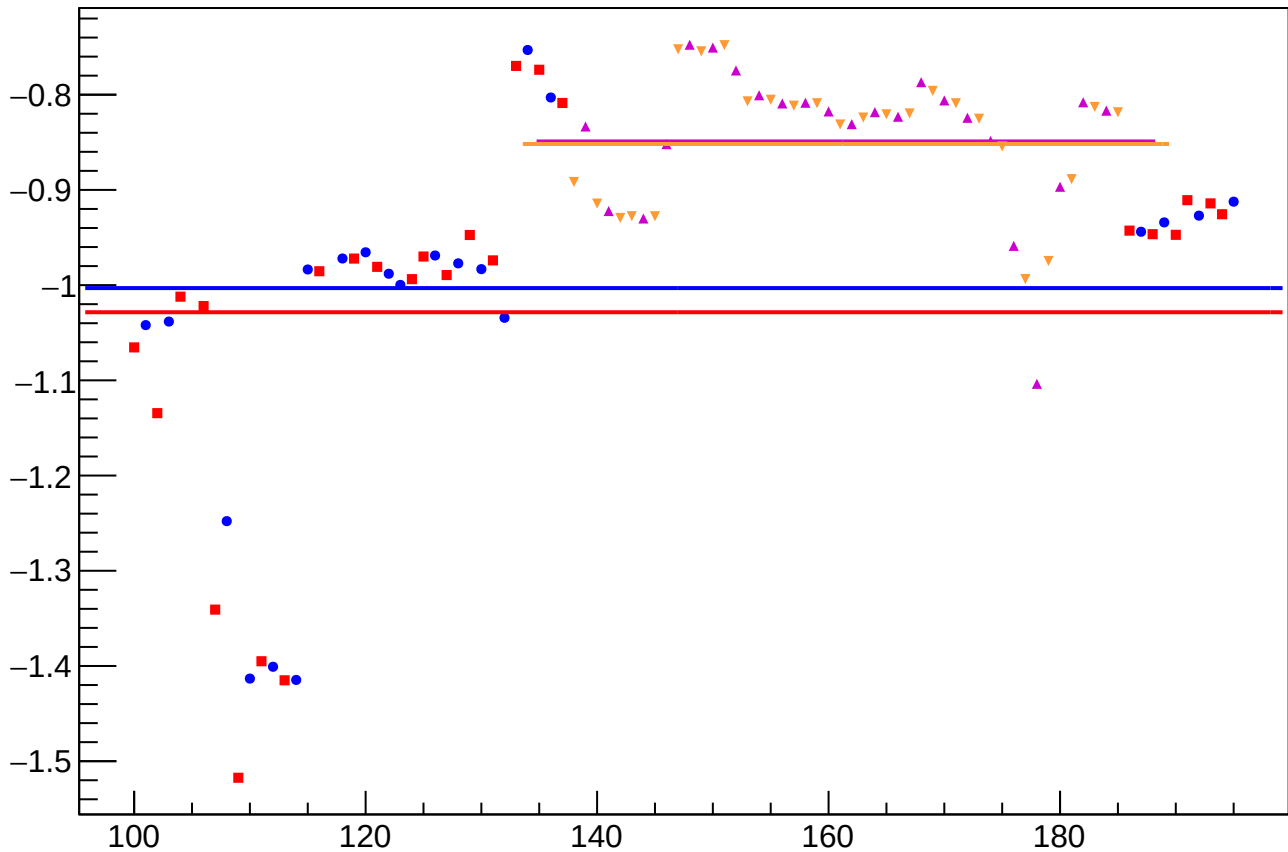
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 502455.5/22

+ sign 0.011 $\pm$ 0.000 χ^2/NDF : 2271055.9/45

All: 0.012 $\pm$ 0.000 χ^2/NDF : 4937985.2/93

- sign 0.012 $\pm$ 0.000 χ^2/NDF : 2651847.4/47

yield_bpm4acX_mean vs Slug



Right In: -1.003 ± 0.000 χ^2/NDF : 397271022.8/20

Left Out: -0.852 ± 0.000 χ^2/NDF : 189103962.4/24

Right Out: -1.028 ± 0.000 χ^2/NDF : 546072448.3/24

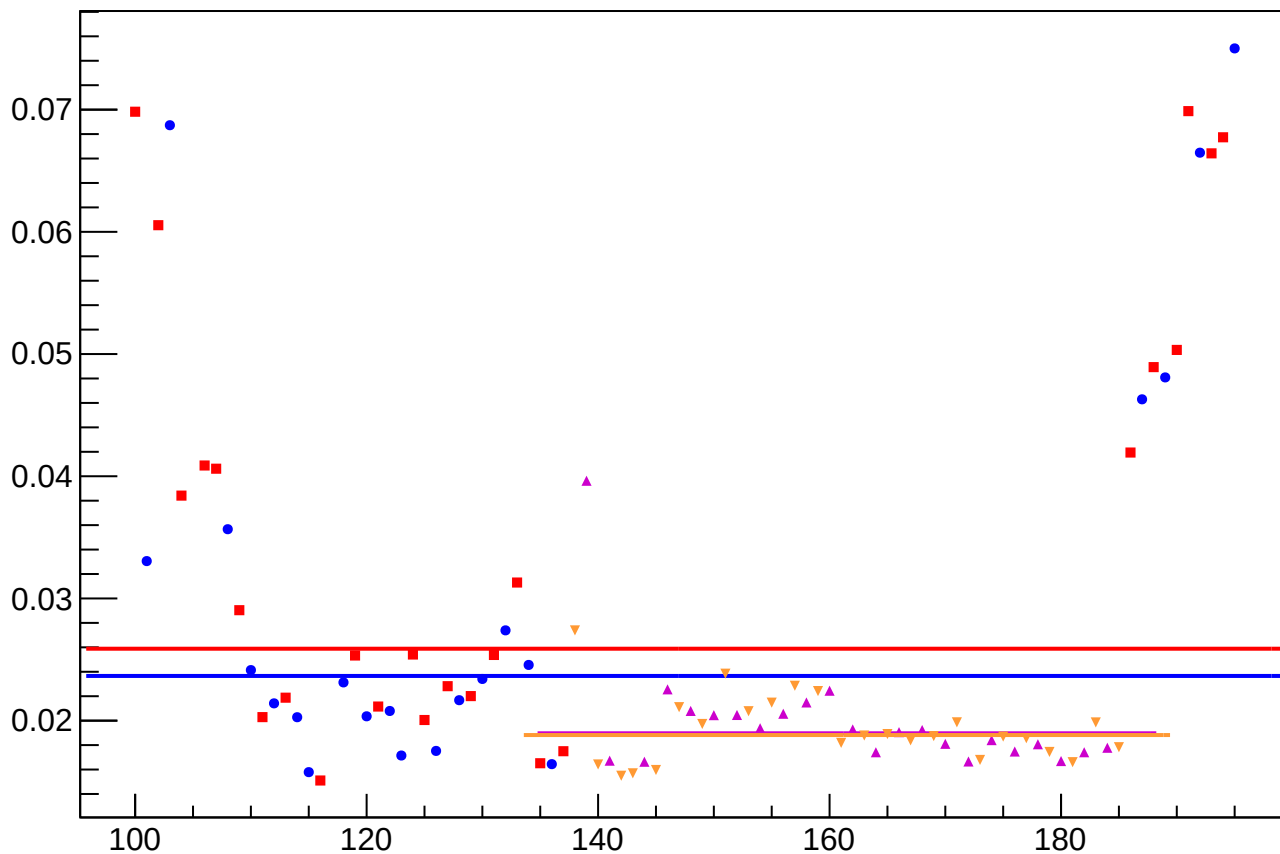
Left In: -0.849 ± 0.000 χ^2/NDF : 256391274.4/22

+ sign -0.884 ± 0.000 χ^2/NDF : 792927460.0/45

All: -0.887 ± 0.000 χ^2/NDF : 1876806349.3/9

- sign -0.889 ± 0.000 χ^2/NDF : 1083213947.4/47

yield_bpm4acX_rms vs Slug



Right In: 0.024 $\pm$ 0.000 χ^2 /NDF: 2863980.1/20

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 490509.4/24

Right Out: 0.026 $\pm$ 0.000 χ^2 /NDF: 3347390.4/24

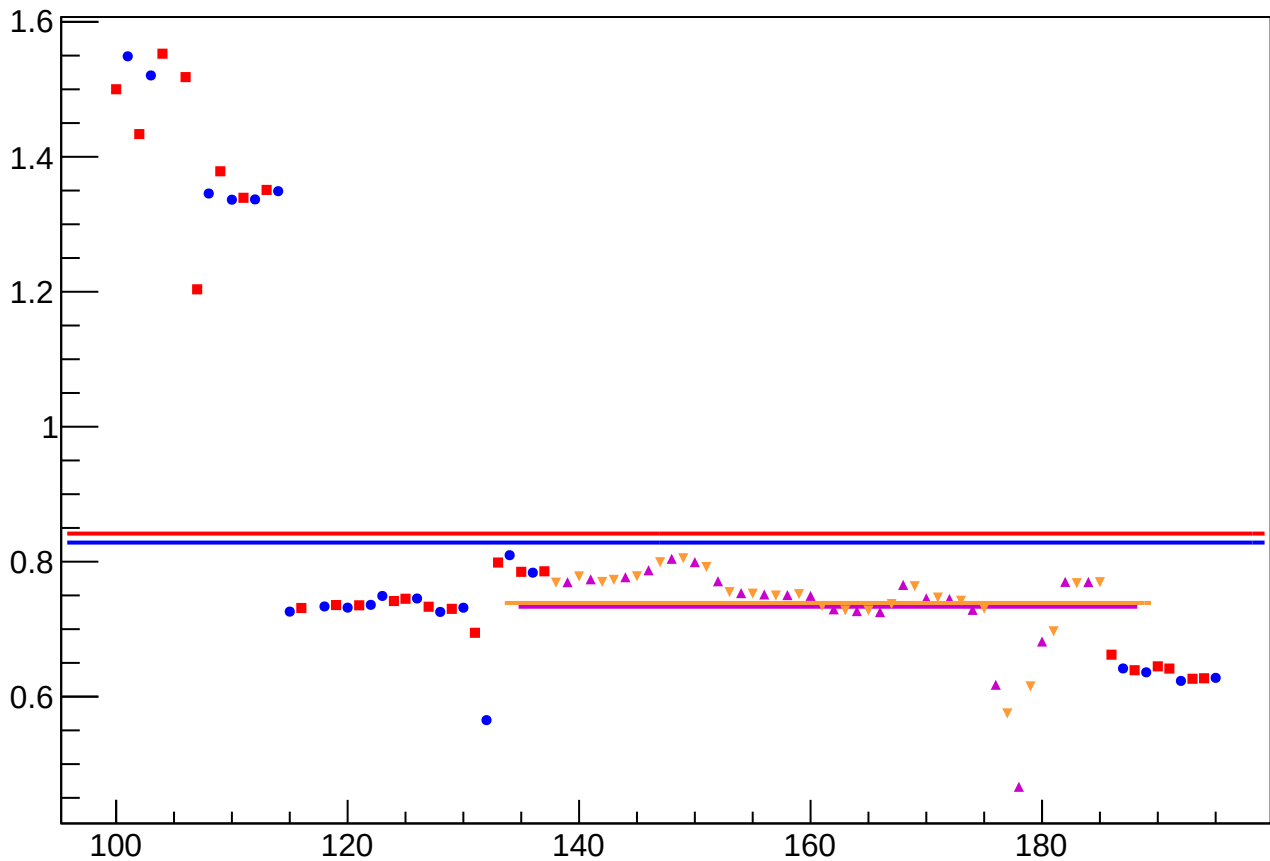
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 615173.8/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 3776183.0/45

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 8596809.7/93

- sign 0.021 $\pm$ 0.000 χ^2 /NDF: 4798236.1/47

yield_bpm4acY_mean vs Slug



Right In: 0.828 $\pm$ 0.000 χ^2 /NDF: 2887662432.8/20

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:333013236.5/24

+ sign 0.760 $\pm$ 0.000 χ^2 /NDF: 3445609933.3/45

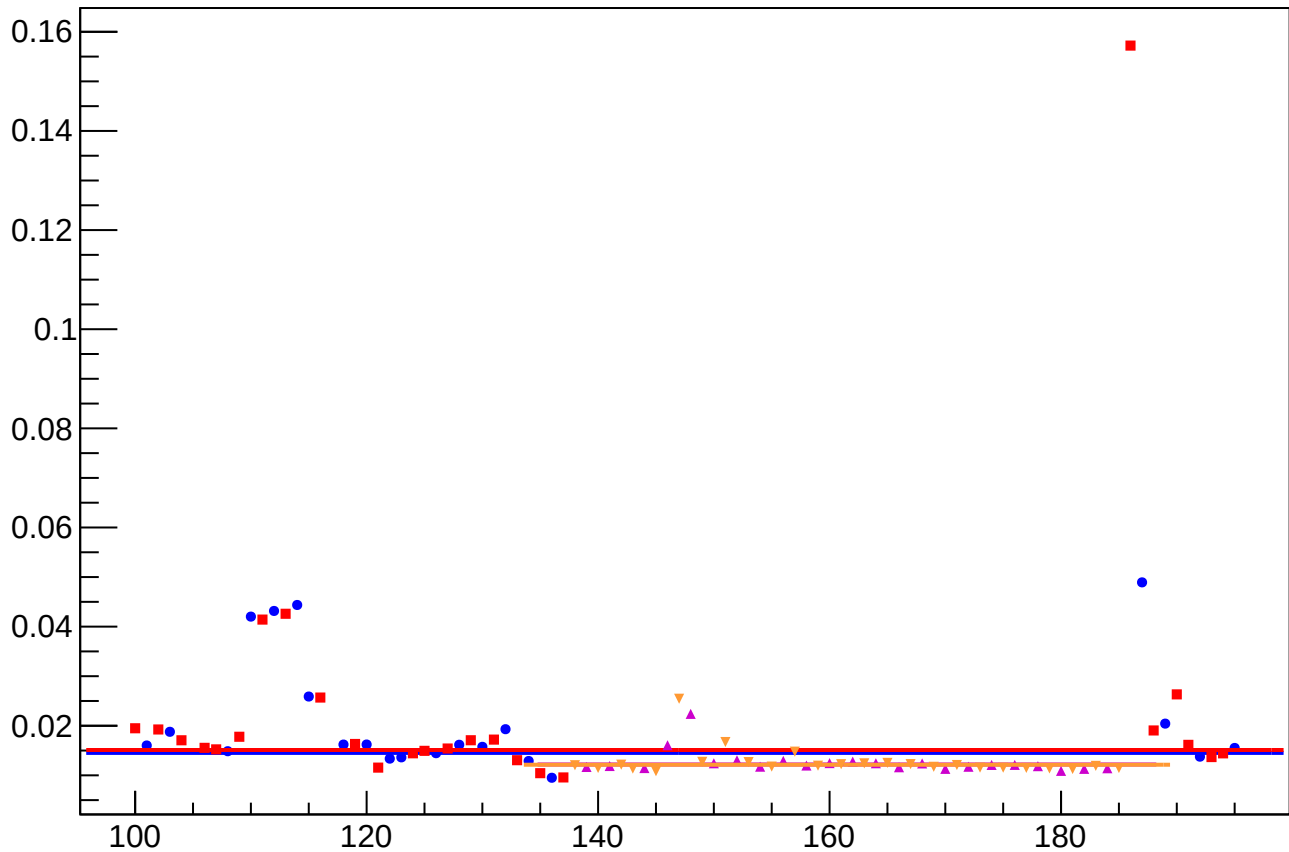
Right Out: 0.842 $\pm$ 0.000 χ^2 /NDF: 3136557632.7/24

All: 0.760 $\pm$ 0.000 χ^2 /NDF: 7489796799.7/93

Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:569611347.7/22

- sign 0.761 $\pm$ 0.000 χ^2 /NDF: 4044094662.2/47

yield_bpm4acY_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1634692.2/20

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:637986.2/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2057469.0/24

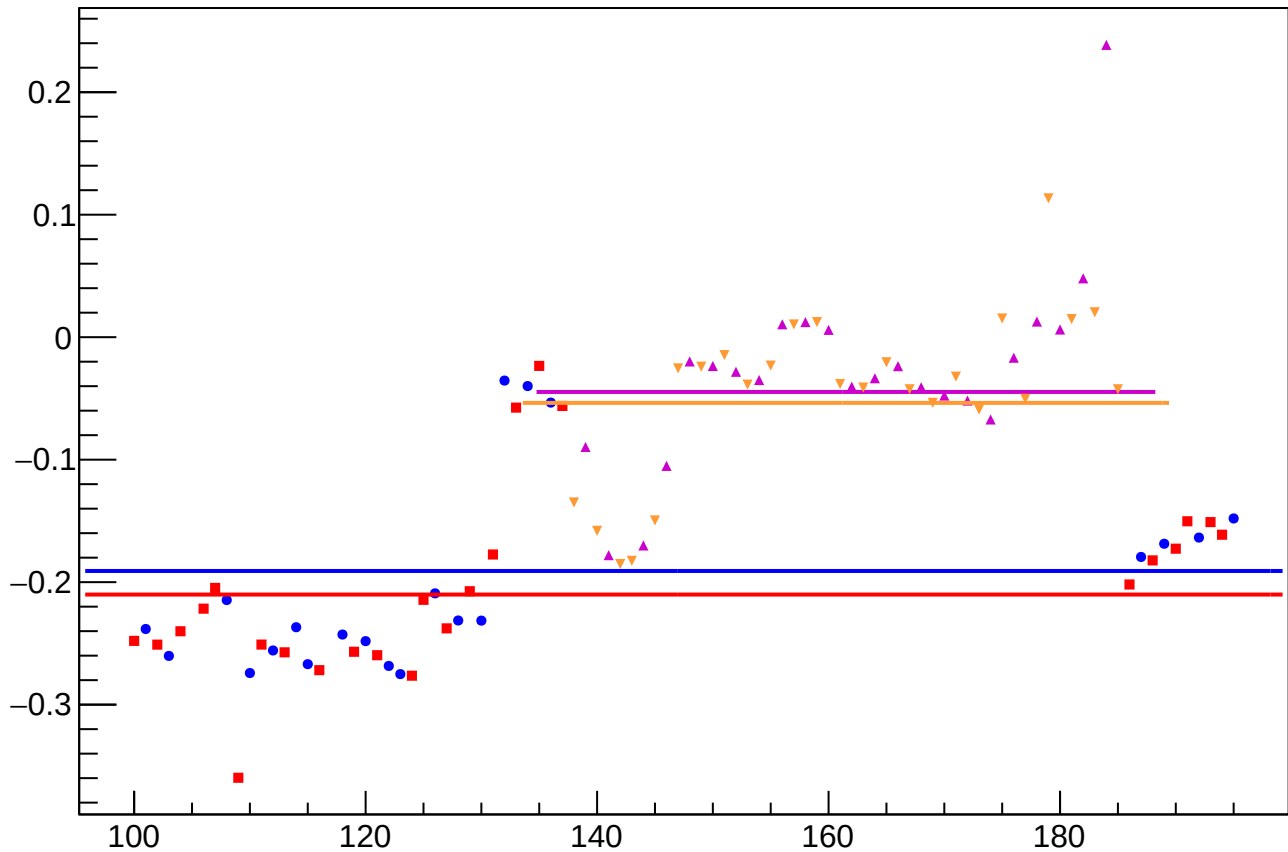
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:481830.1/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2592724.2/45

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5630570.5/93

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3029154.2/47

yield_bpm4ecX_mean vs Slug



Right In: -0.191+/-0.000 χ^2/NDF : 106713685.8/20

Left Out: -0.054+/-0.000 χ^2/NDF : 167834173.6/24

Right Out: -0.210+/-0.000 χ^2/NDF : 112171991.9/24

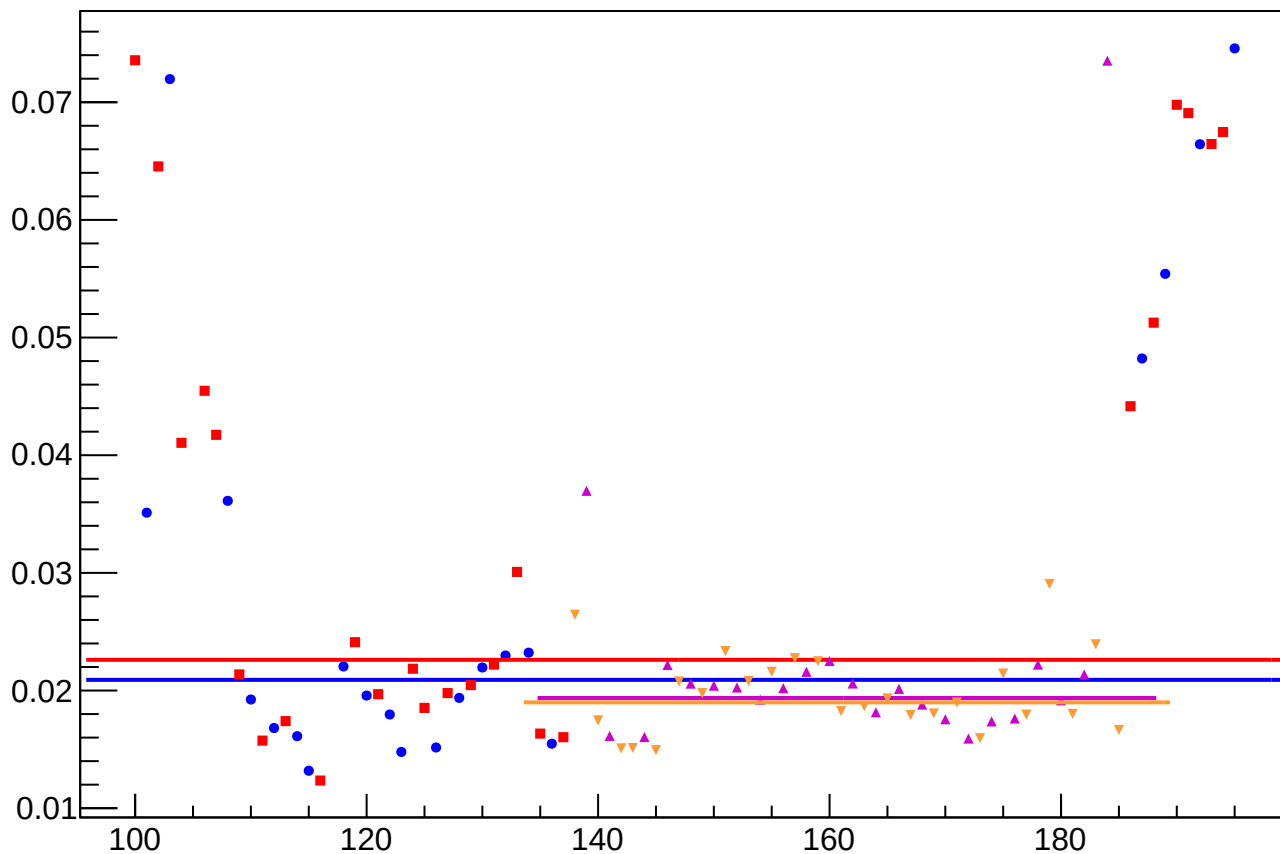
Left In: -0.045+/-0.000 χ^2/NDF : 127192425.2/22

+ sign -0.089+/-0.000 χ^2/NDF : 472285905.2/45

All: -0.090+/-0.000 χ^2/NDF : 988641589.8/93

- sign -0.090+/-0.000 χ^2/NDF : 516338775.0/47

yield_bpm4ecX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF : 3377310.5/20

Left Out: 0.019+/-0.000 χ^2/NDF : 700229.7/24

Right Out: 0.023+/-0.000 χ^2/NDF : 4230951.6/24

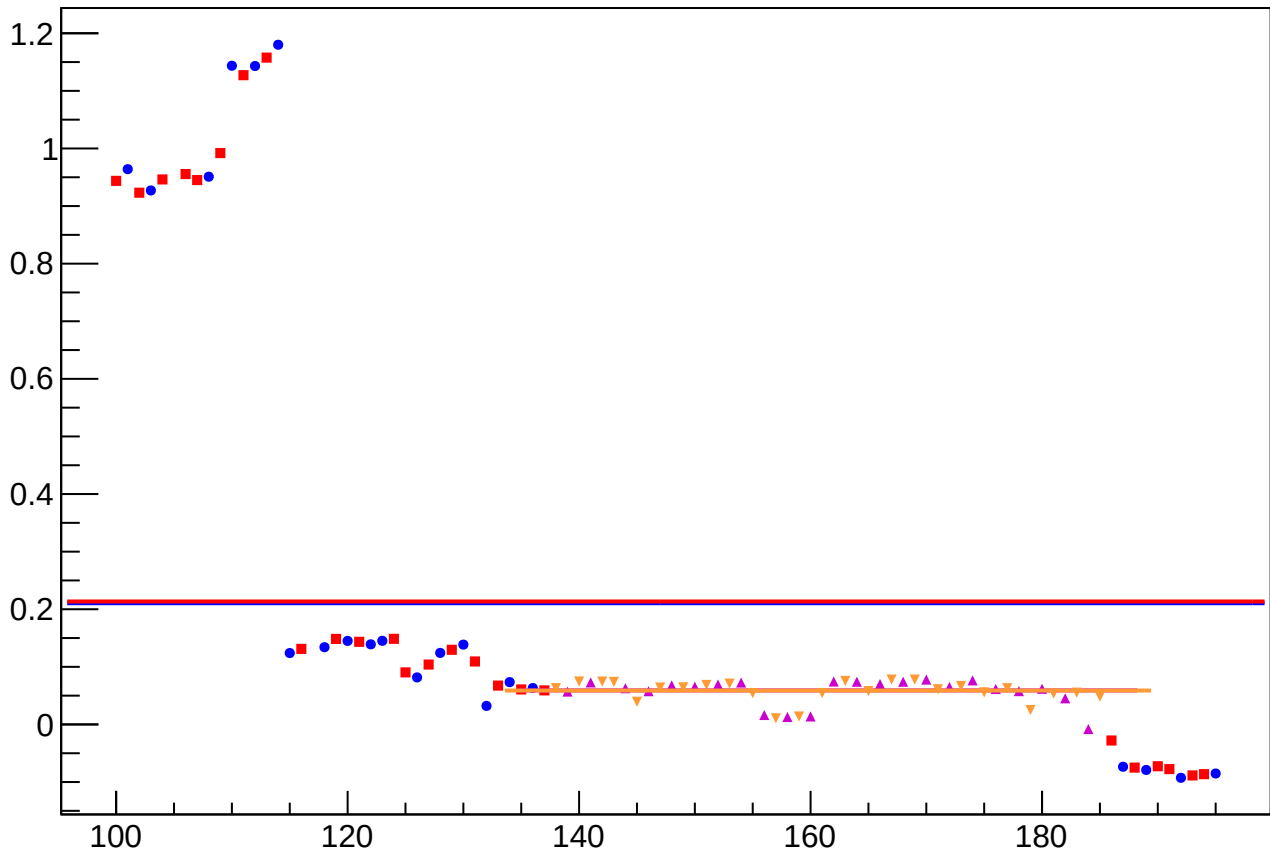
Left In: 0.019+/-0.000 χ^2/NDF : 858216.8/22

+ sign 0.019+/-0.000 χ^2/NDF : 4154396.6/45

All: 0.020+/-0.000 χ^2/NDF : 9487523.0/93

- sign 0.020+/-0.000 χ^2/NDF : 5302513.8/47

yield_bpm4ecY_mean vs Slug



Right In: 0.210+/-0.000 χ^2/NDF : 6505372543.7/20

Left Out: 0.059+/-0.000 χ^2/NDF : 46821236.8/24

Right Out: 0.213+/-0.000 χ^2/NDF : 7446303453.9/24

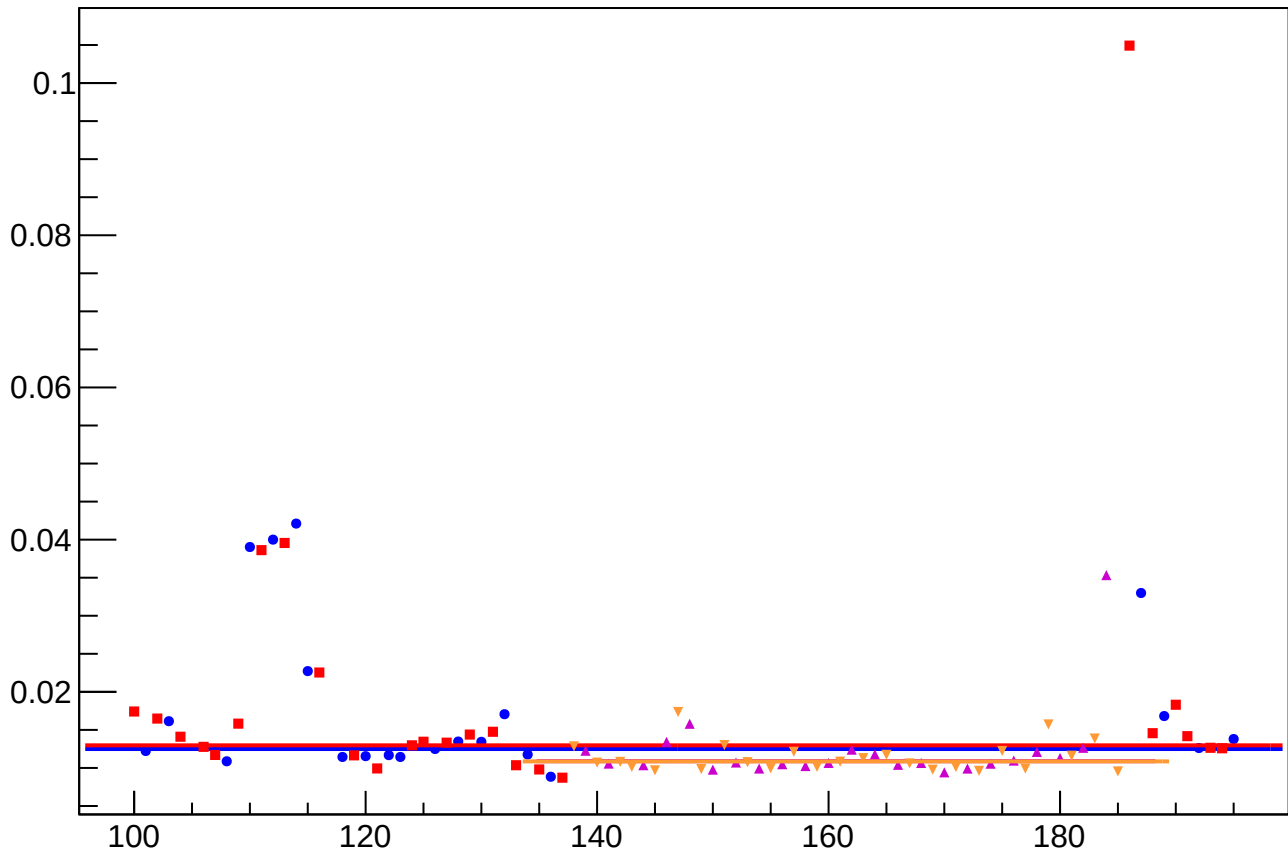
Left In: 0.059+/-0.000 χ^2/NDF : 58518655.0/22

+ sign 0.098+/-0.000 χ^2/NDF : 7408187093.2/45

All: 0.100+/-0.000 χ^2/NDF : 15818254085.4/9

- sign 0.102+/-0.000 χ^2/NDF : 8408468688.4/47

yield_bpm4ecY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1473956.5/20

Left Out: 0.011+/-0.000 χ^2/NDF : 604787.9/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1874050.5/24

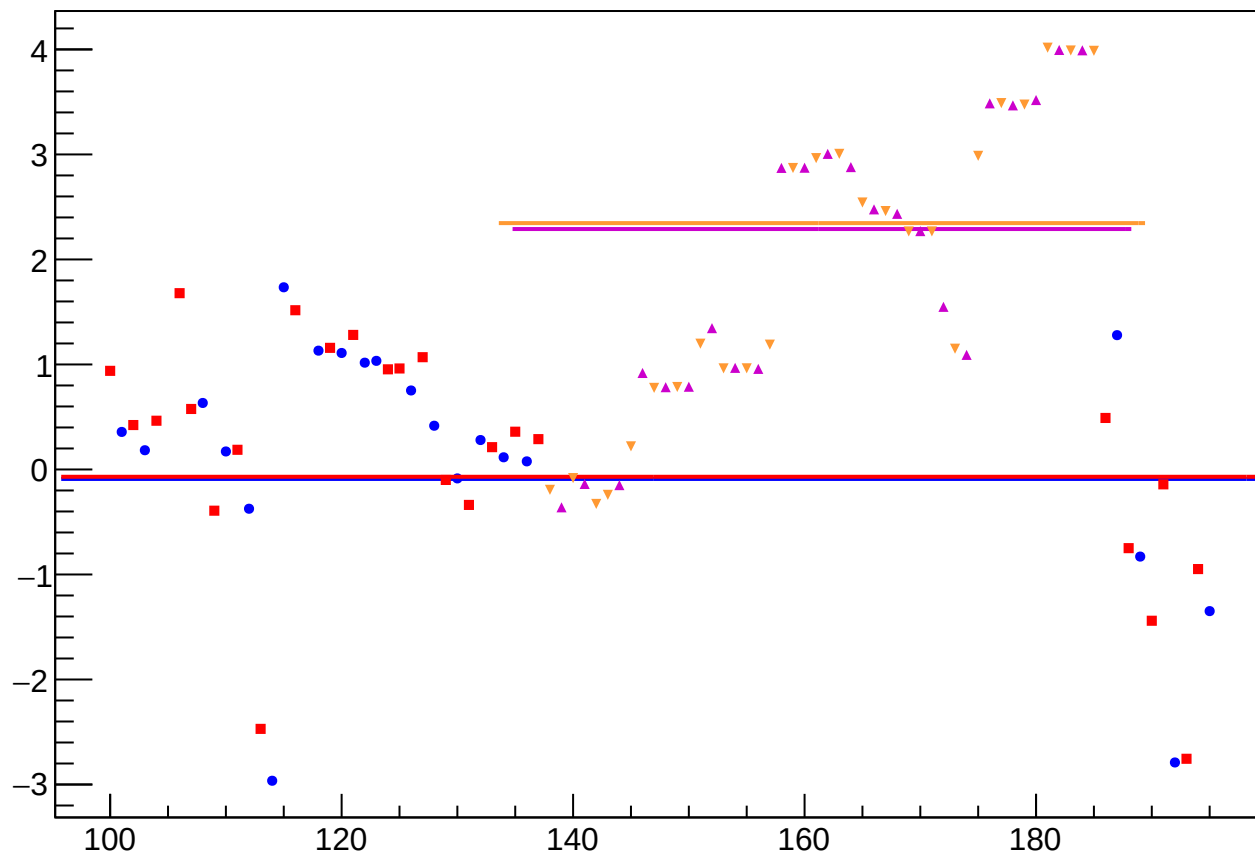
Left In: 0.011+/-0.000 χ^2/NDF : 530077.5/22

+ sign 0.011+/-0.000 χ^2/NDF : 2275989.5/45

All: 0.011+/-0.000 χ^2/NDF : 5015016.4/93

- sign 0.011+/-0.000 χ^2/NDF : 2732138.6/47

yield_bpm1X_mean vs Slug



Right In: -0.090 ± 0.000 $\chi^2/\text{NDF}: 2771330446.6/20$

Left Out: 2.346 ± 0.000 $\chi^2/\text{NDF}: 63481331015.4/24$

Right Out: -0.070 ± 0.000 $\chi^2/\text{NDF}: 3272515170.4/24$

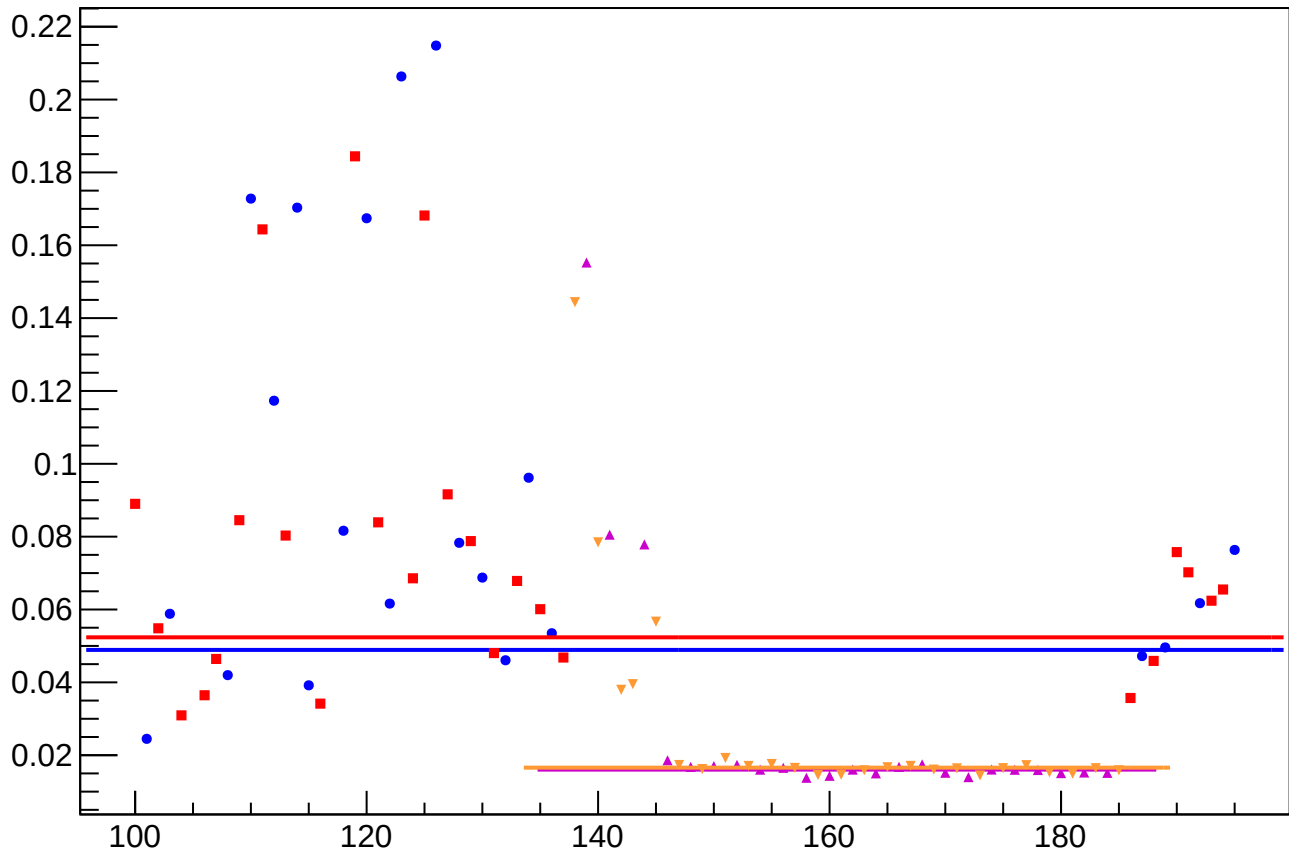
Left In: 2.290 ± 0.000 $\chi^2/\text{NDF}: 60875537647.3/22$

+ sign 2.239 ± 0.000 $\chi^2/\text{NDF}: 79575540715.2/45$

All: 2.207 ± 0.000 $\chi^2/\text{NDF}: 157684897159.0$

- sign 2.176 ± 0.000 $\chi^2/\text{NDF}: 78004528305.9/47$

yield_bpm1X_rms vs Slug



Right In: 0.049 ± 0.000 χ^2/NDF : 3167563.5/20

Left Out: 0.017 ± 0.000 χ^2/NDF : 2621162.1/24

Right Out: 0.052 ± 0.000 χ^2/NDF : 2550459.3/24

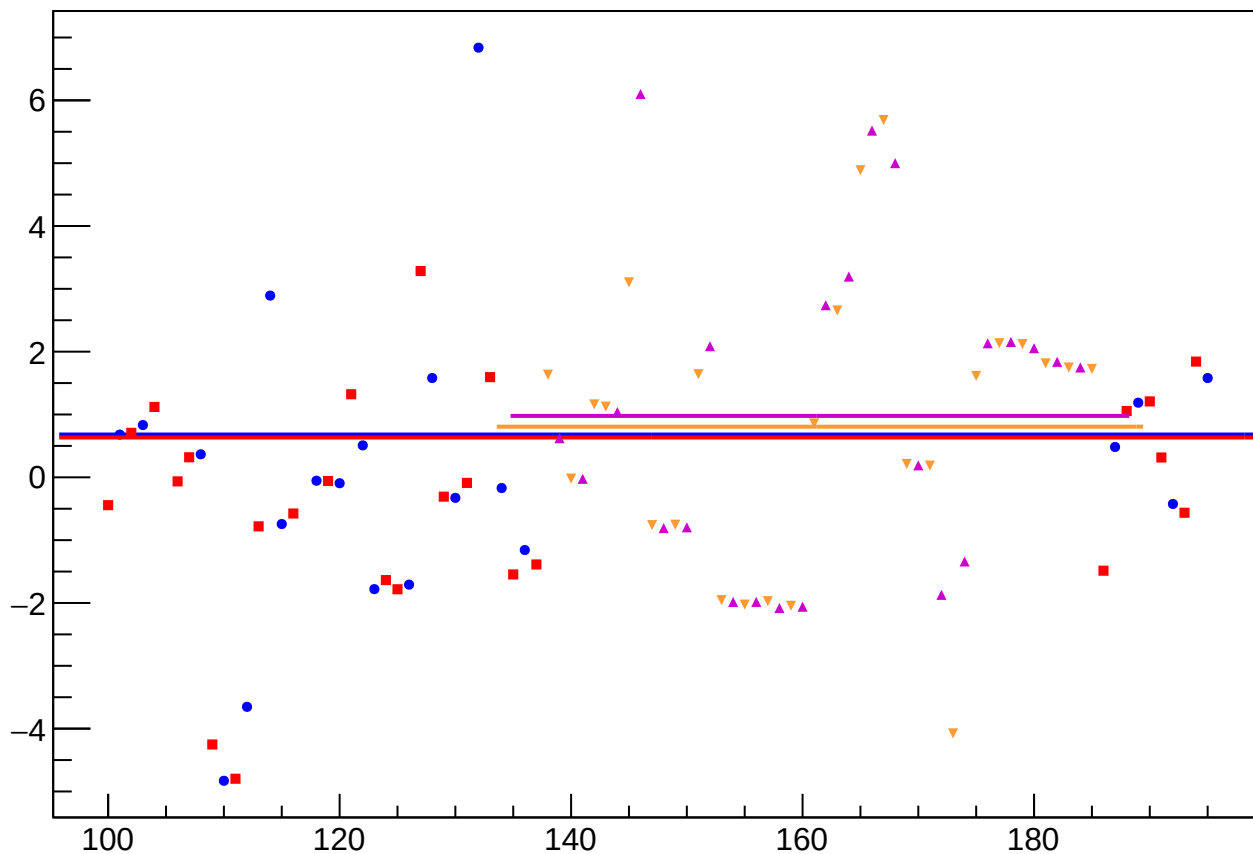
Left In: 0.016 ± 0.000 χ^2/NDF : 2394376.5/22

+ sign 0.018 ± 0.000 χ^2/NDF : 10478894.6/45

All: 0.018 ± 0.000 χ^2/NDF : 21993679.5/93

- sign 0.018 ± 0.000 χ^2/NDF : 11512220.6/47

yield_bpm1Y_mean vs Slug



Right In: 0.681+/-0.000 χ^2/NDF : 15589966237.7/20

Left Out: 0.806+/-0.000 χ^2/NDF : 507578952196.2/24

Right Out: 0.634+/-0.000 χ^2/NDF : 11012433135.0/24

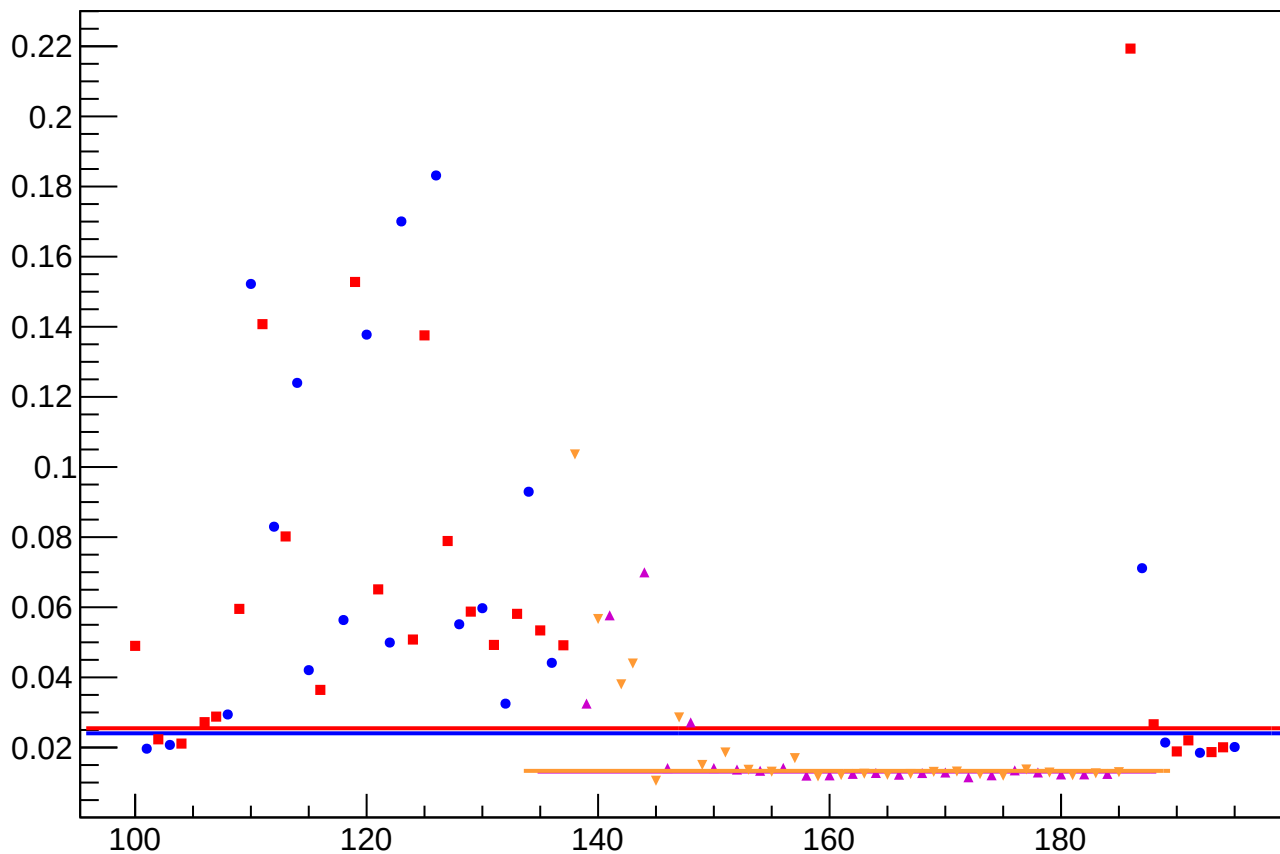
Left In: 0.977+/-0.000 χ^2/NDF : 568209676597.4/22

+ sign 0.794+/-0.000 χ^2/NDF : 523295335383.2/45

All: 0.869+/-0.000 χ^2/NDF : 1104564441070.

- sign 0.943+/-0.000 χ^2/NDF : 580223194435.5/47

yield_bpm1Y_rms vs Slug



Right In: 0.024 $\pm$ 0.000 χ^2 /NDF: 3594917.1/20

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:2829753.9/24

Right Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 4392595.2/24

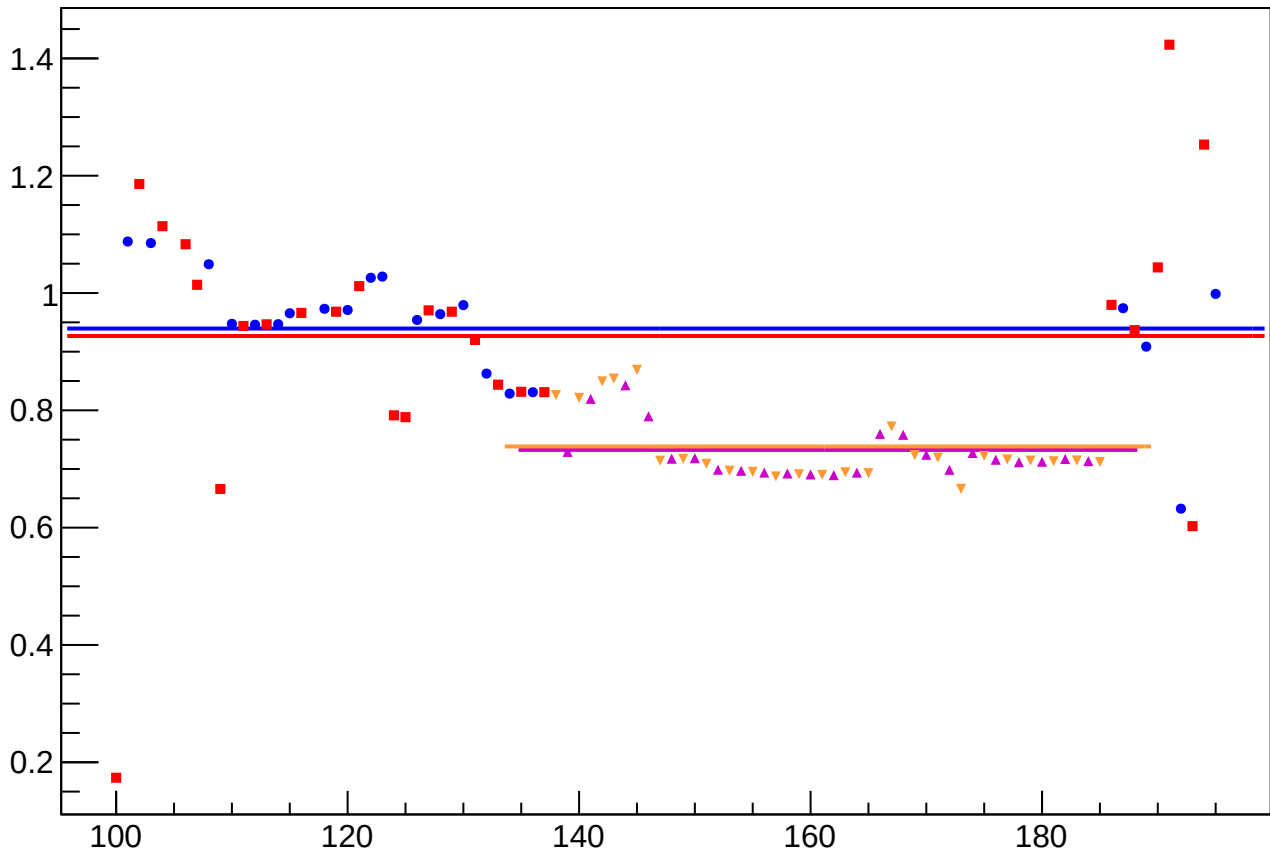
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:1946693.6/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 8284198.5/45

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 17213499.9/93

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 8929295.6/47

yield_bpm11X_mean vs Slug



Right In: 0.939 $\pm$ 0.000 χ^2 /NDF: 300875949.7/20

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF:310195180.4/24

Right Out: 0.927 $\pm$ 0.000 χ^2 /NDF: 660597095.1/24

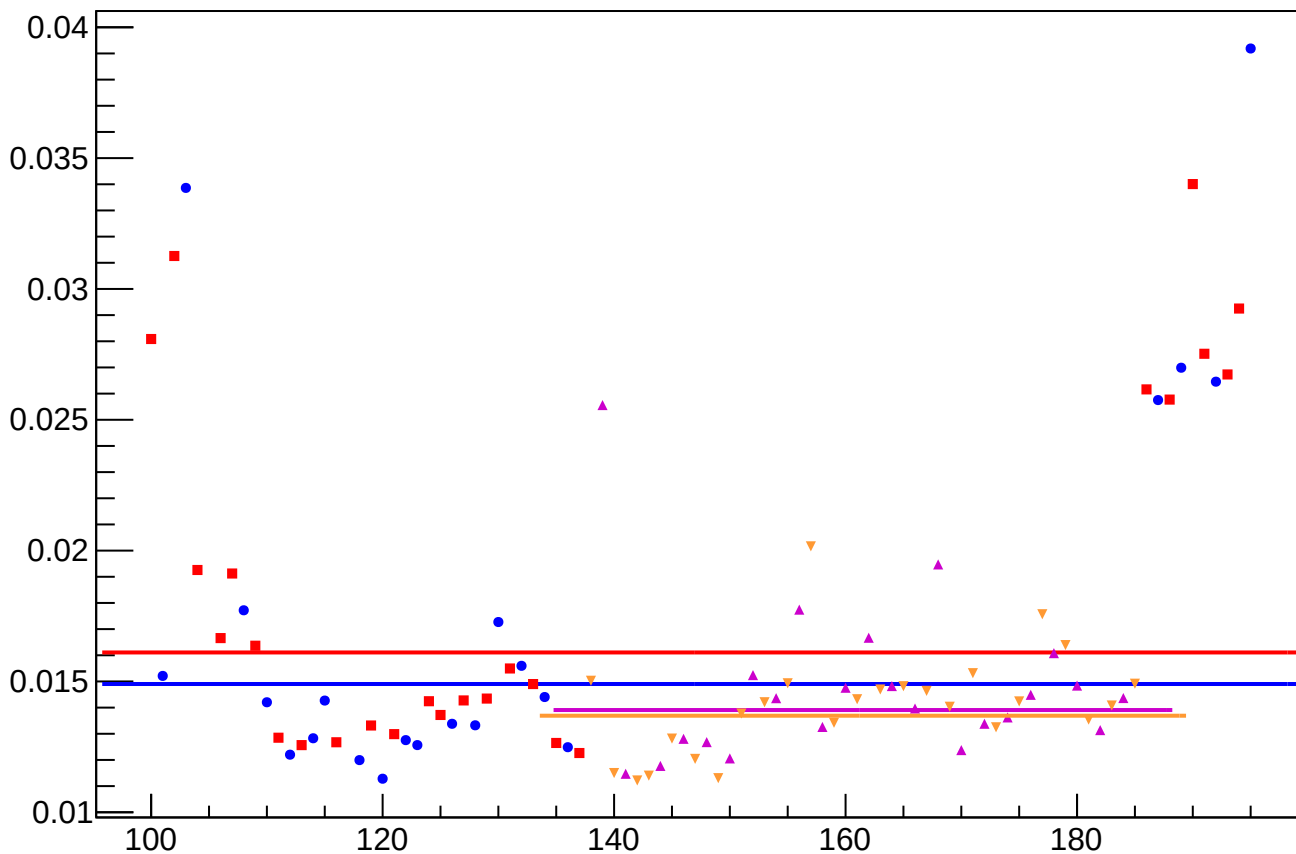
Left In: 0.733 $\pm$ 0.000 χ^2 /NDF:170102394.7/22

+ sign 0.795 $\pm$ 0.000 χ^2 /NDF: 1585211825.8/45

All: 0.792 $\pm$ 0.000 χ^2 /NDF: 3308989386.8/93

- sign 0.790 $\pm$ 0.000 χ^2 /NDF: 1722631590.4/47

yield_bpm11X_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1792294.4/20

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 528480.6/24

Right Out: 0.016 $\pm$ 0.000 χ^2 /NDF: 1843170.5/24

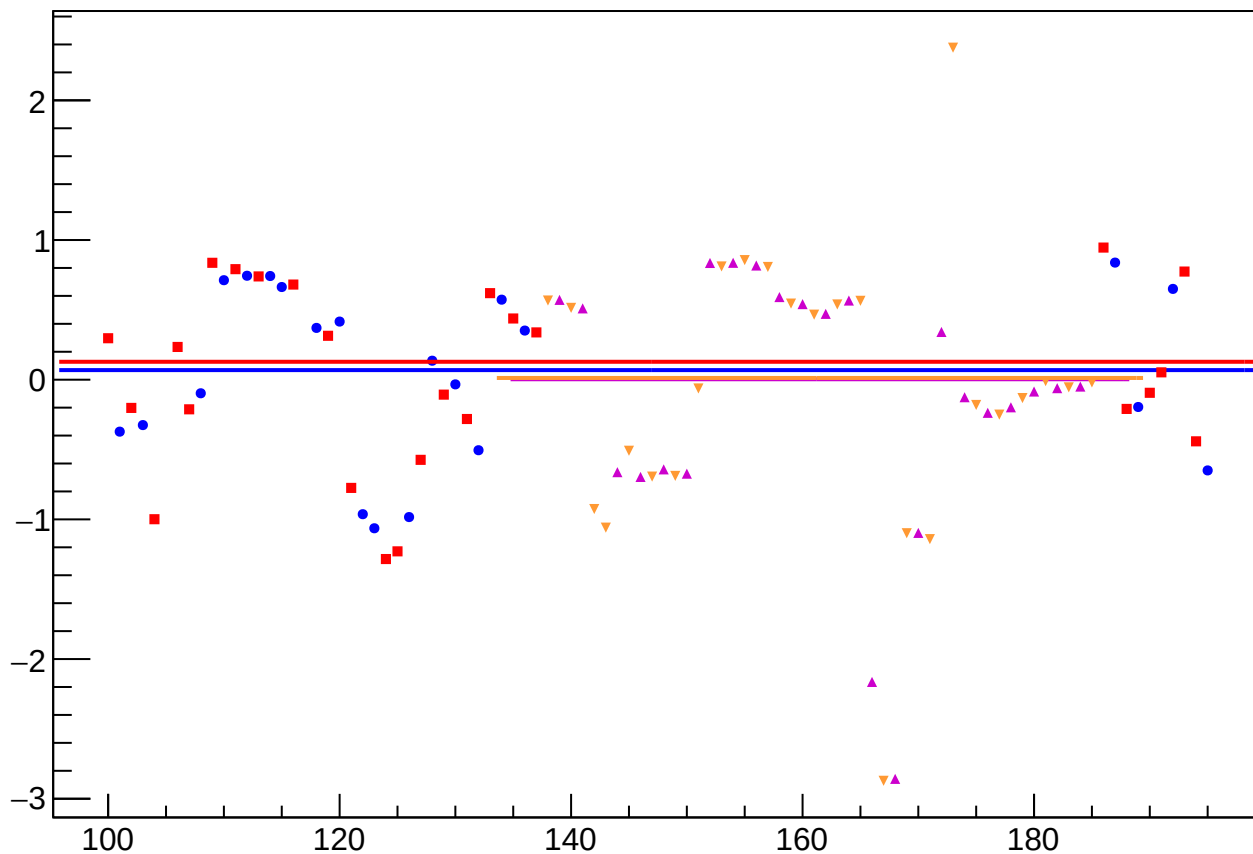
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF: 768161.9/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 2391524.9/45

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 5264690.0/93

- sign 0.015 $\pm$ 0.000 χ^2 /NDF: 2840350.8/47

yield_bpm11Y_mean vs Slug



Right In: 0.069+/-0.000 χ^2/NDF : 12254968503.6/20

Left Out: 0.012+/-0.000 χ^2/NDF : 96383858927.1/24

Right Out: 0.128+/-0.000 χ^2/NDF : 18031170260.1/24

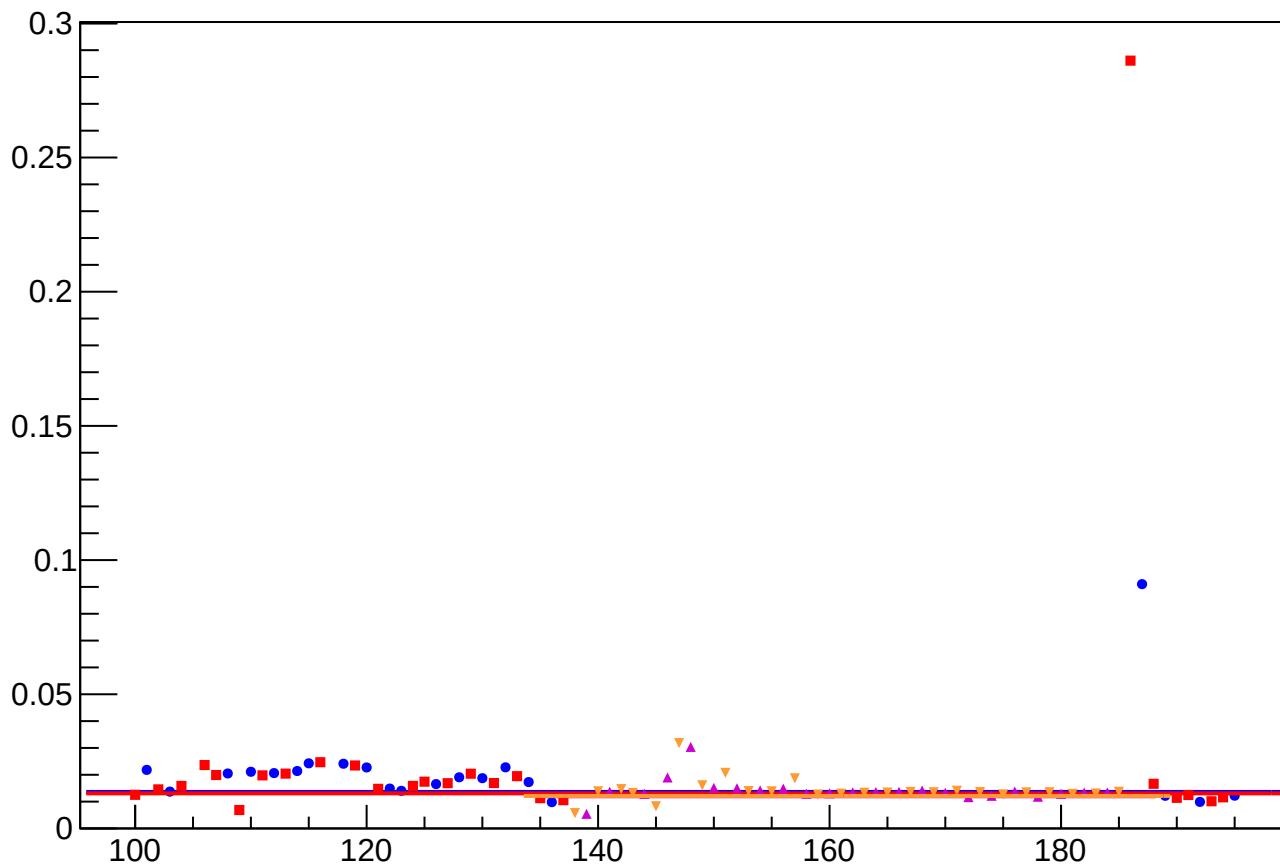
Left In: 0.003+/-0.000 χ^2/NDF : 78826489573.0/22

+ sign 0.028+/-0.000 χ^2/NDF : 108732187490.6/45

All: 0.035+/-0.000 χ^2/NDF : 206120436724.6

- sign 0.042+/-0.000 χ^2/NDF : 97371601170.7/47

yield_bpm11Y_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1801717.8/20

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

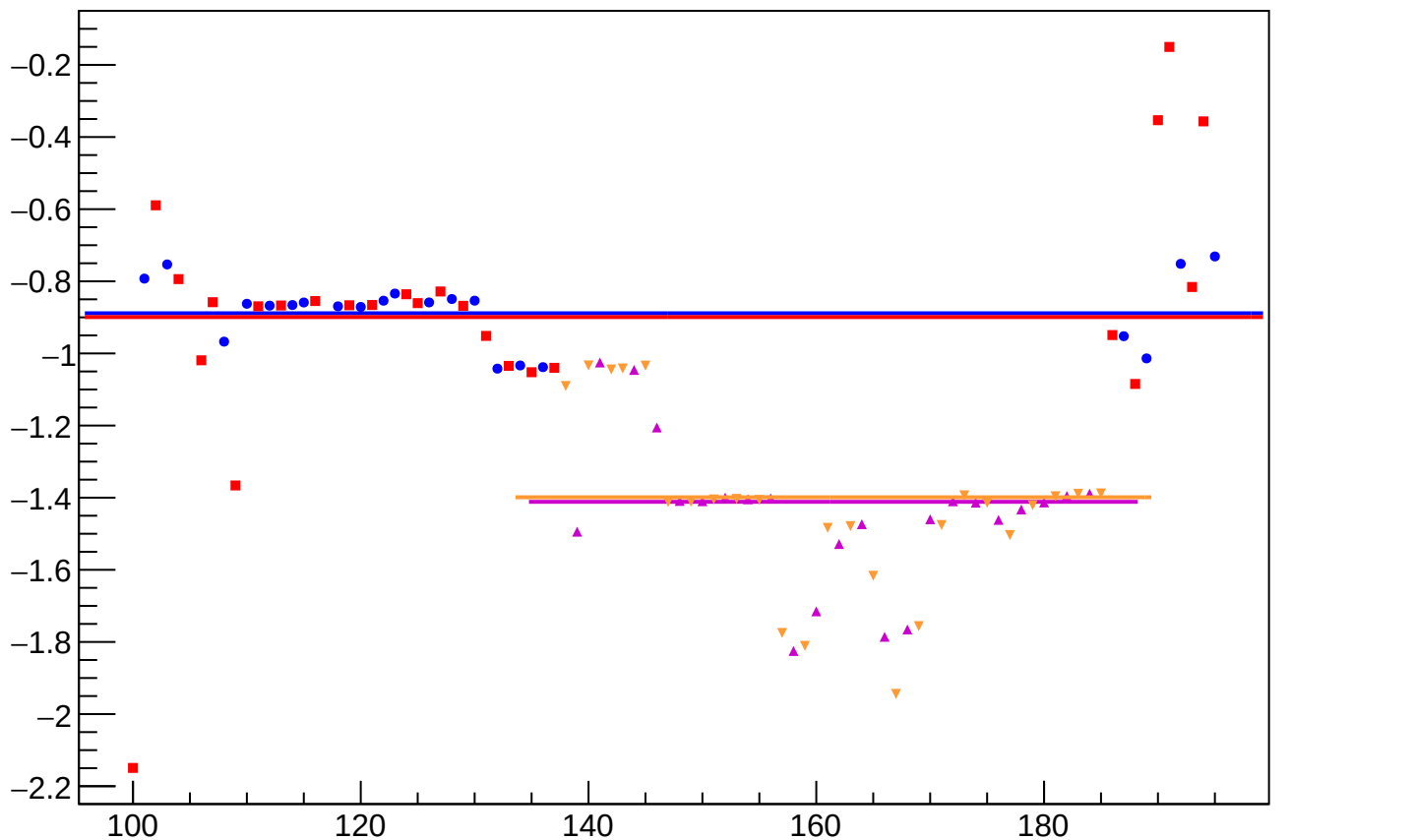
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3003502.9/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 5040282.1/45

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 10580467.6/93

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5535407.1/47

yield_bpm12X_mean vs Slug



Right In: -0.889+/-0.000 χ^2/NDF : 47435299.8/20

Left Out: -1.399+/-0.000 χ^2/NDF : 738251911.1/24

Right Out: -0.899+/-0.000 χ^2/NDF : 242358659.4/24

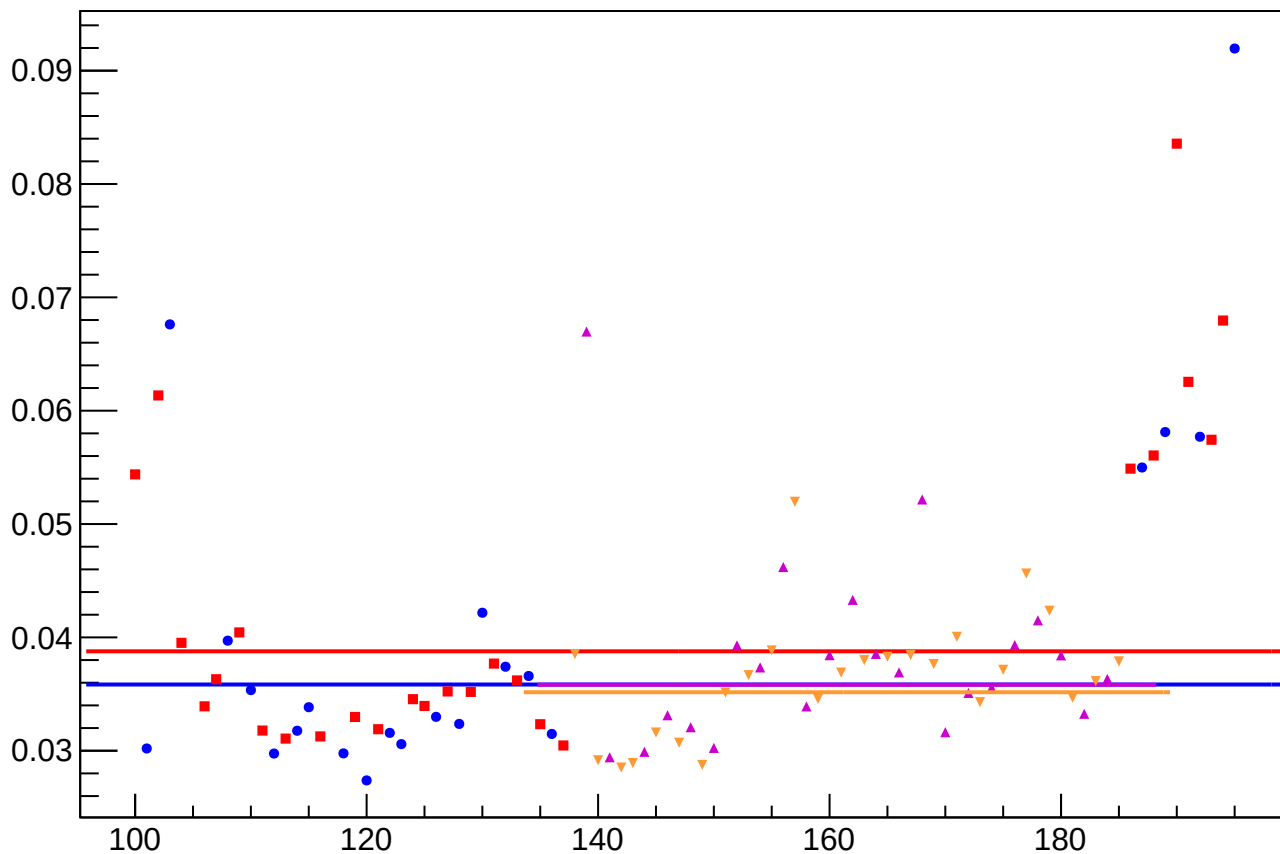
Left In: -1.411+/-0.000 χ^2/NDF : 512547995.0/22

+ sign -1.240+/-0.000 χ^2/NDF : 1838776284.8/45

All: -1.240+/-0.000 χ^2/NDF : 3631598678.3/9

- sign -1.241+/-0.000 χ^2/NDF : 1792797779.5/47

yield_bpm12X_rms vs Slug



Right In: 0.036 $\pm$ 0.000 χ^2 /NDF: 1475885.5/20

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF:595219.5/24

Right Out: 0.039 $\pm$ 0.000 χ^2 /NDF: 1363201.6/24

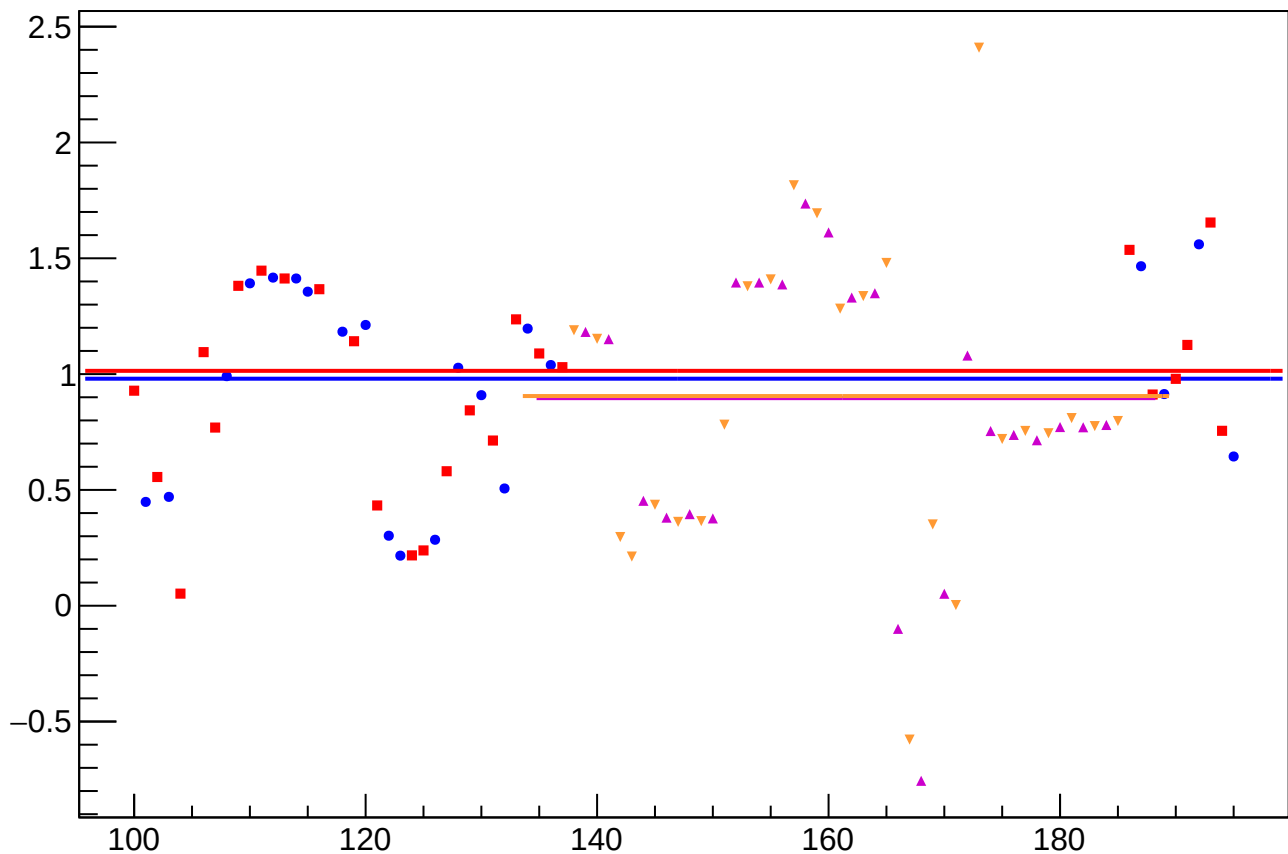
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF:864147.6/22

+ sign 0.035 $\pm$ 0.000 χ^2 /NDF: 2074867.7/45

All: 0.036 $\pm$ 0.000 χ^2 /NDF: 4408408.1/93

- sign 0.037 $\pm$ 0.000 χ^2 /NDF: 2296246.7/47

yield_bpm12Y_mean vs Slug



Right In: 0.980 $\pm$ 0.000 χ^2 /NDF: 13918955930.7/20

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

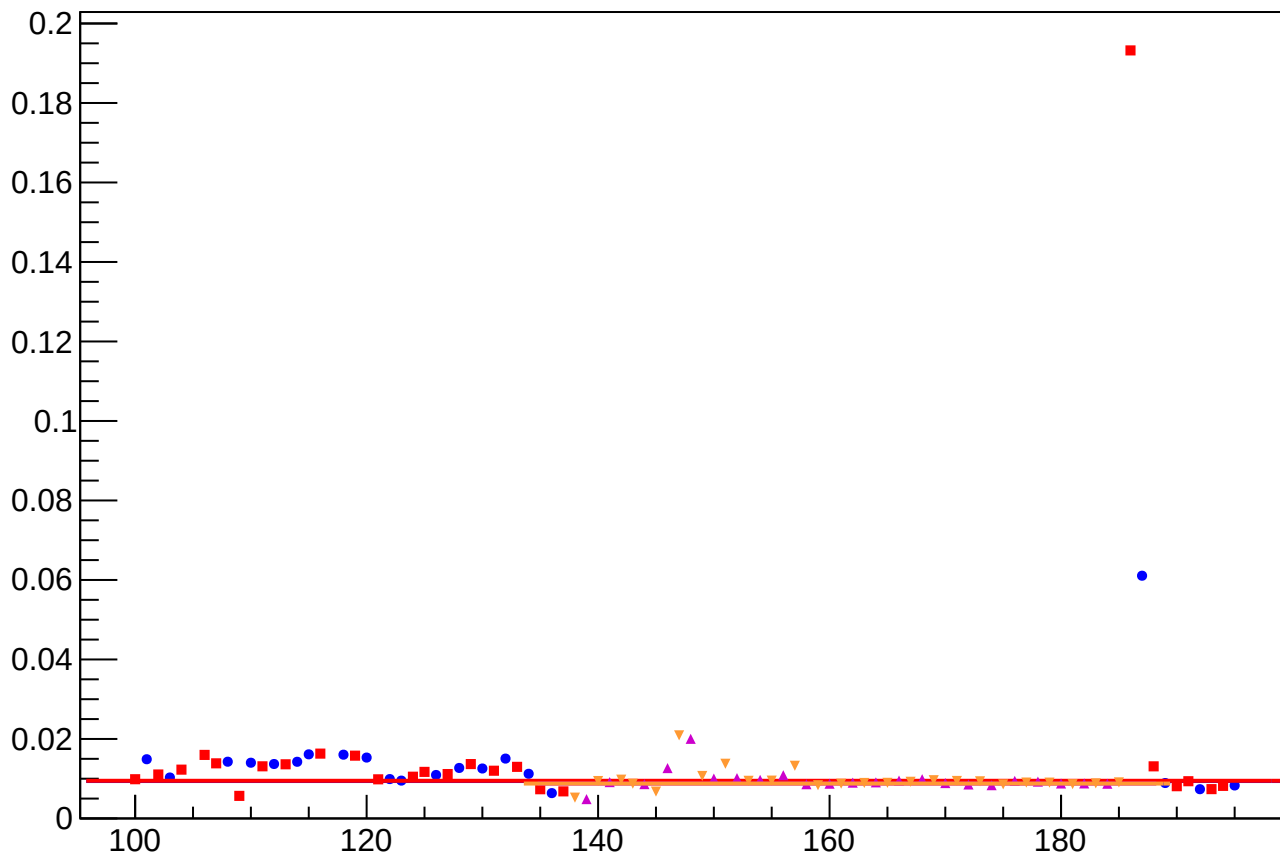
Left In: 0.896 $\pm$ 0.000 χ^2 /NDF: 66594200889.6/22

+ sign 0.926 $\pm$ 0.000 χ^2 /NDF: 98528941316.8/45

All: 0.930 $\pm$ 0.000 χ^2 /NDF: 182586068727.0

- sign 0.933 $\pm$ 0.000 χ^2 /NDF: 84049752085.8/47

yield_bpm12Y_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 1684407.7/20

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

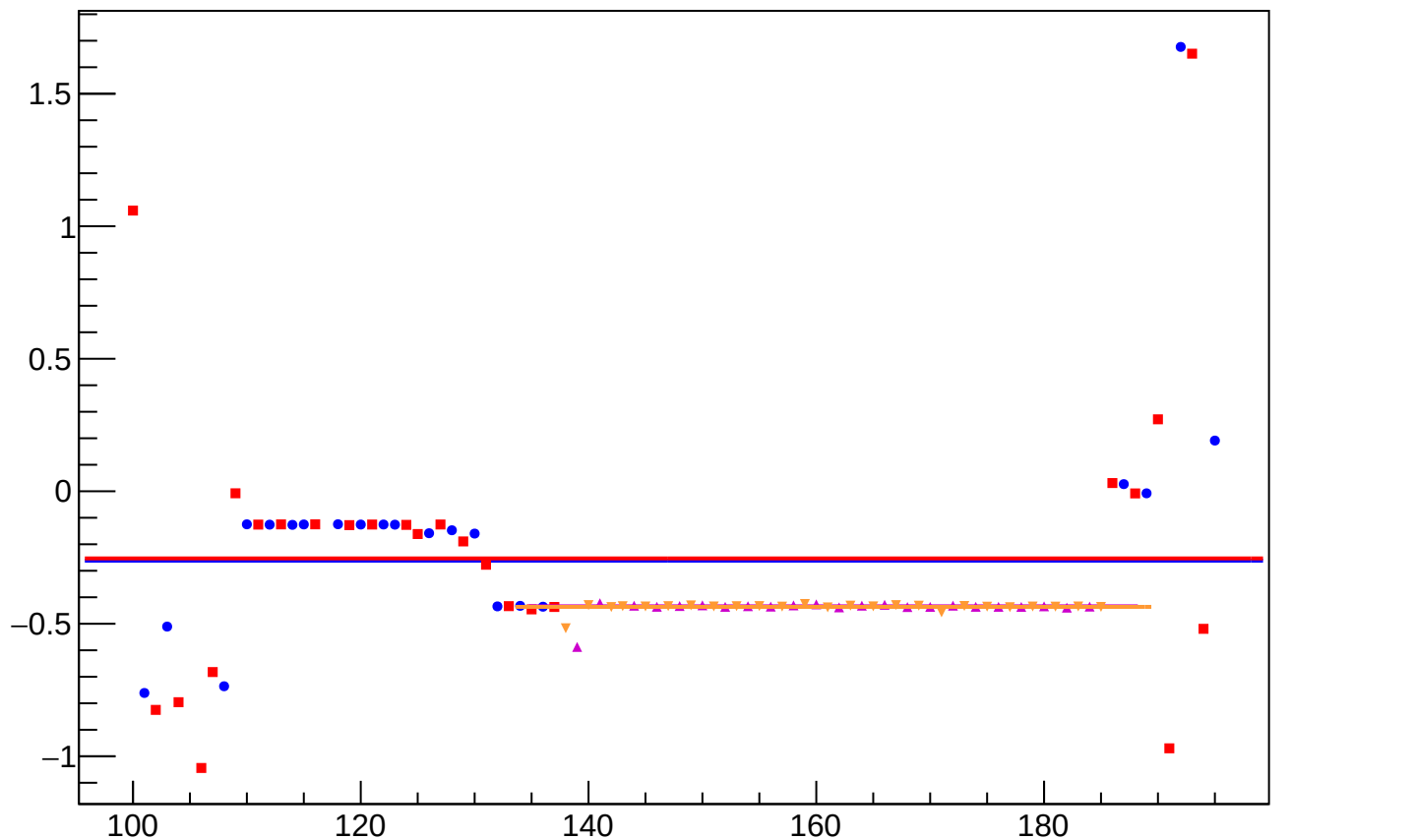
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1607939.0/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3431589.0/45

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 7227561.0/93

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 3795555.1/47

yield_bpm16X_mean vs Slug



Right In: -0.262 ± 0.000 $\chi^2/\text{NDF}: 1891861927.8/20$

Left Out: -0.436 ± 0.000 $\chi^2/\text{NDF}: 28774660.0/24$

Right Out: -0.253 ± 0.000 $\chi^2/\text{NDF}: 1764013666.4/24$

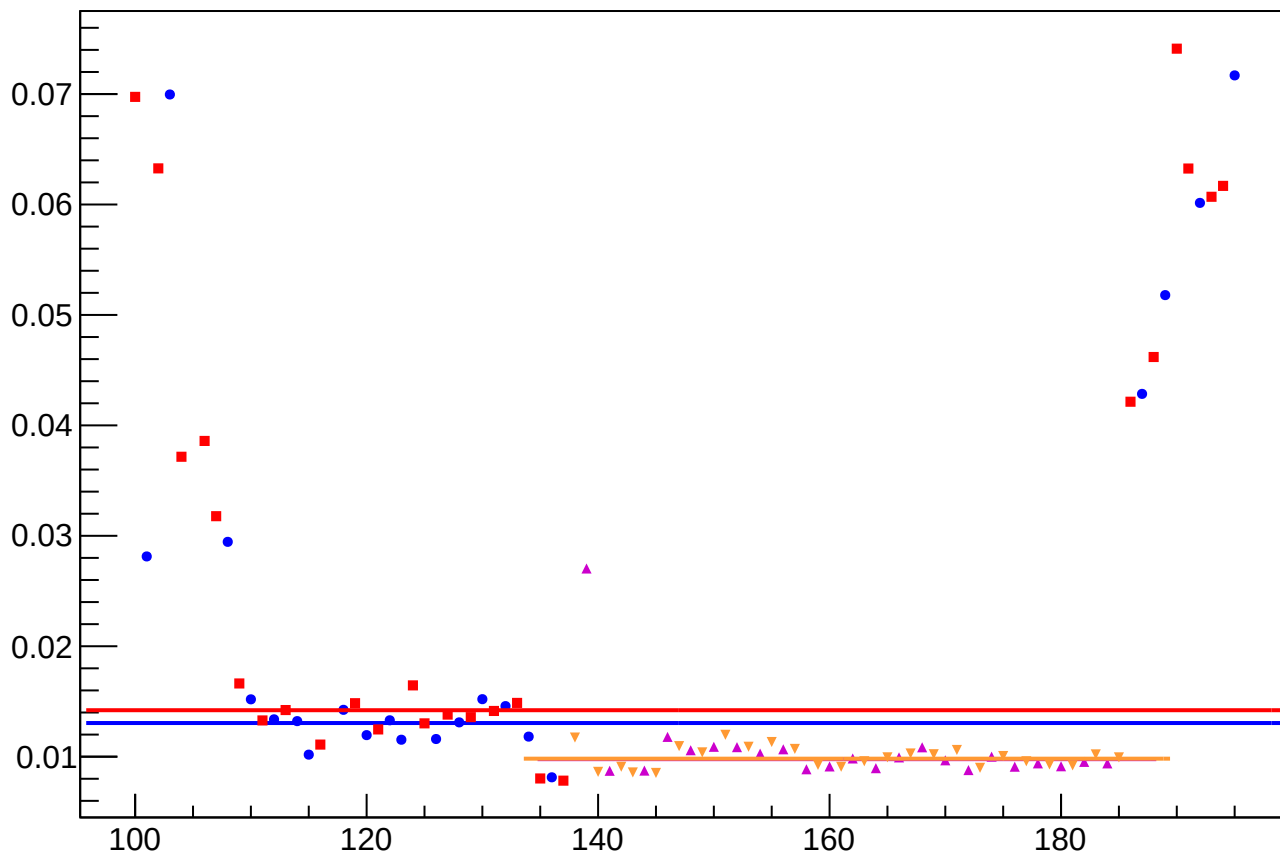
Left In: -0.434 ± 0.000 $\chi^2/\text{NDF}: 23984173.0/22$

+ sign -0.407 ± 0.000 $\chi^2/\text{NDF}: 2745380367.4/45$

All: -0.405 ± 0.000 $\chi^2/\text{NDF}: 5373108539.0/9$

- sign -0.404 ± 0.000 $\chi^2/\text{NDF}: 2626616341.9/47$

yield_bpm16X_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 4568006.9/20

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:269242.6/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 5755211.0/24

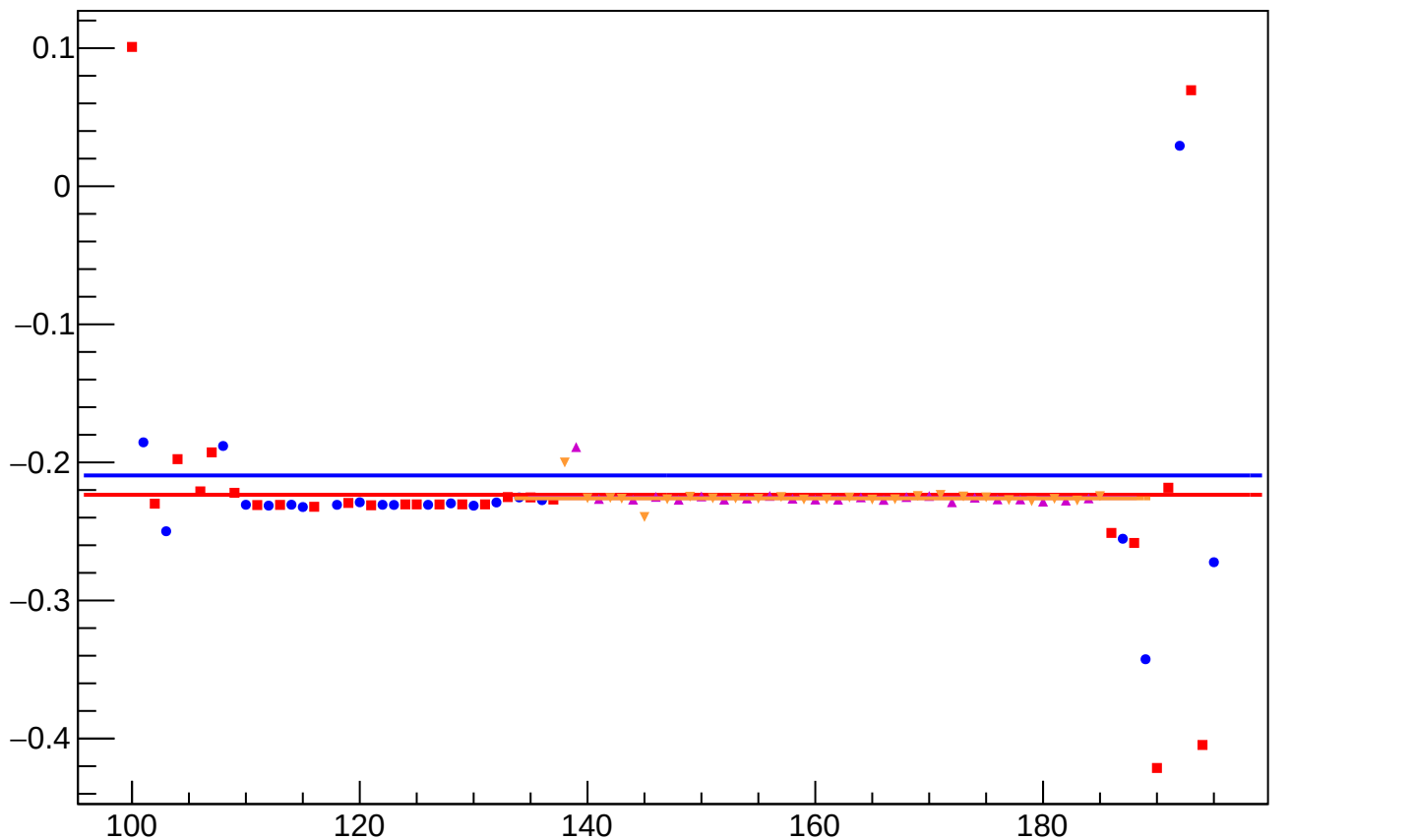
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:747550.0/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 5402904.3/45

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 12920713.5/93

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 7512851.2/47

yield_bpm16Y_mean vs Slug



Right In: -0.209 ± 0.000 χ^2/NDF : 1962465038.6/20

Left Out: -0.226 ± 0.000 χ^2/NDF : 21205667.4/24

Right Out: -0.223 ± 0.000 χ^2/NDF : 3222527695.5/24

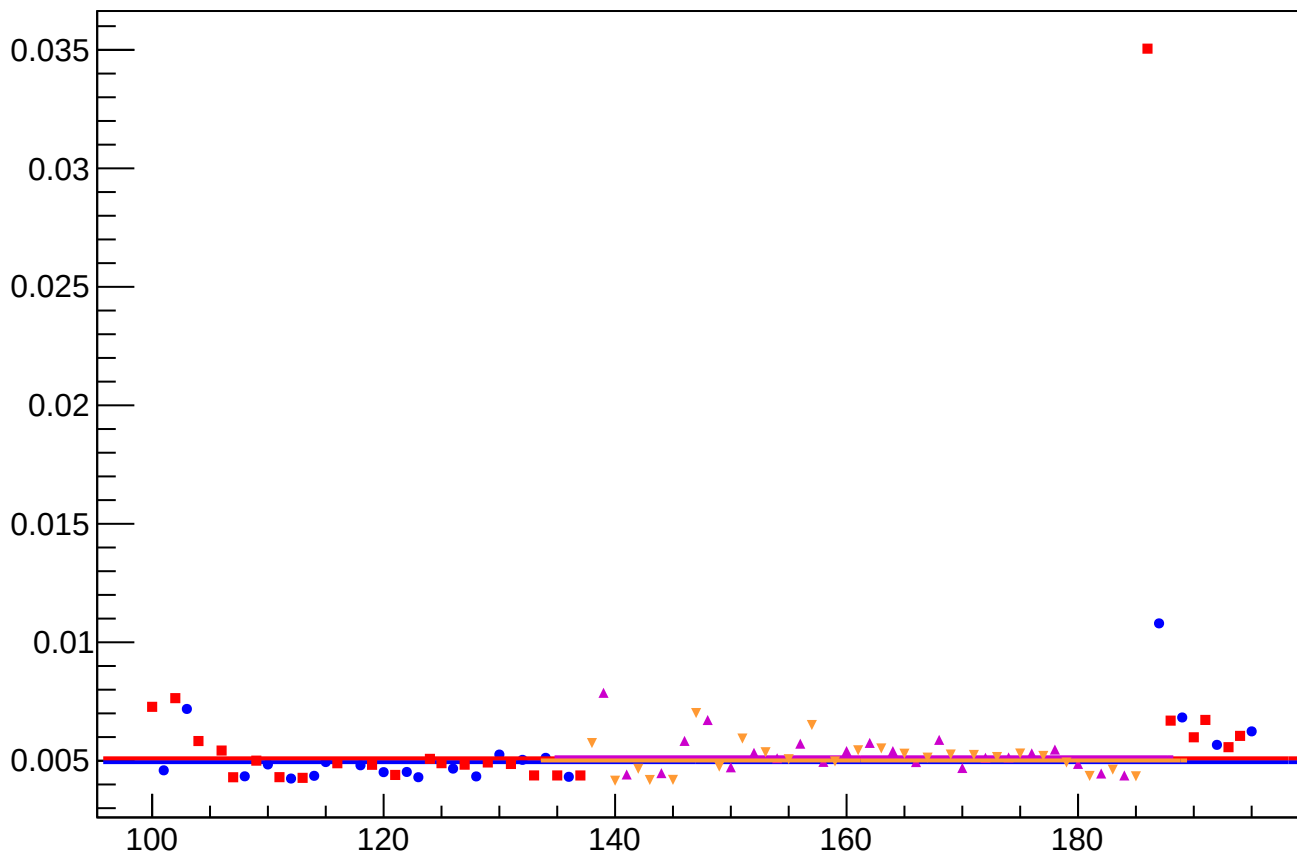
Left In: -0.226 ± 0.000 χ^2/NDF : 15245251.1/22

+ sign -0.221 ± 0.000 χ^2/NDF : 2045413762.5/45

All: -0.223 ± 0.000 χ^2/NDF : 5293552003.3/9

- 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: 468152.1/20

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

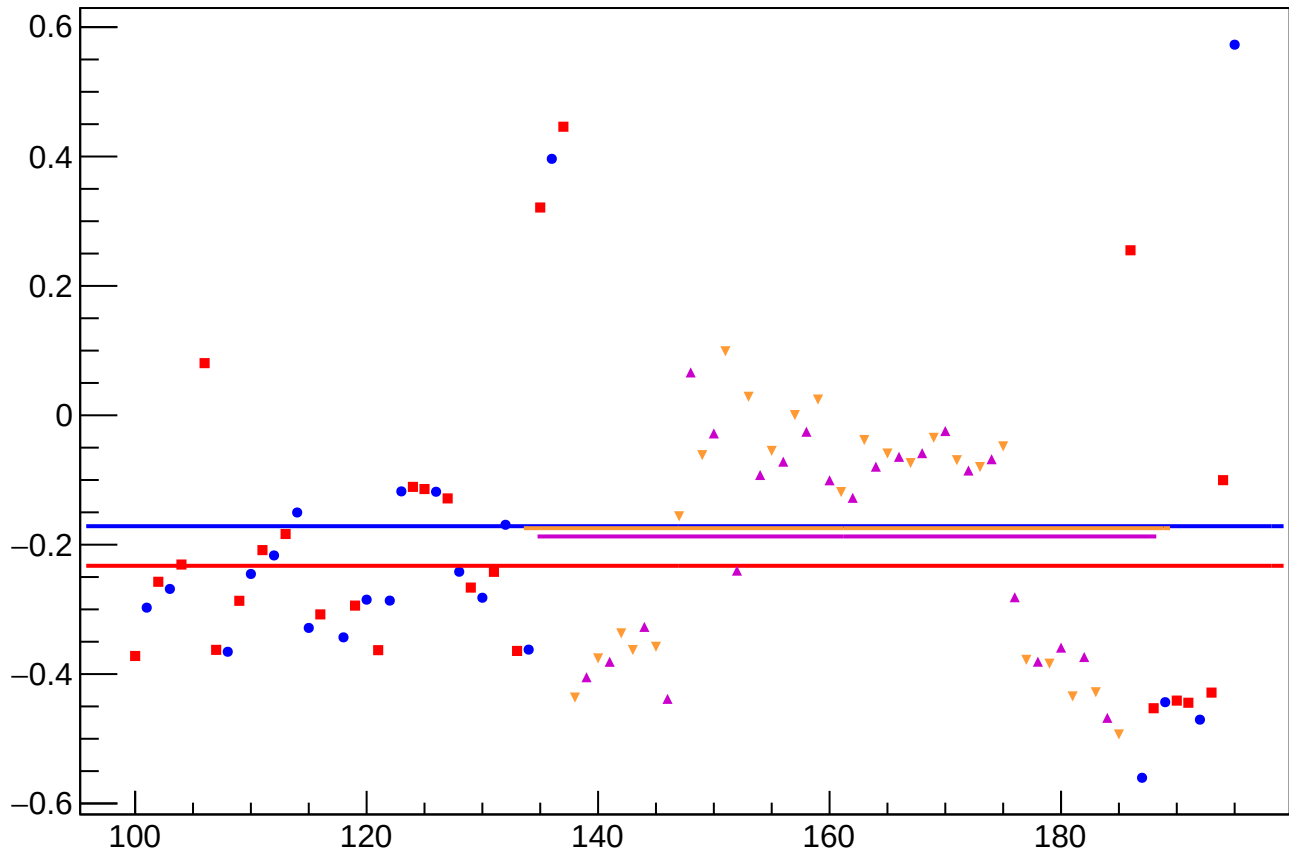
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:493107.7/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 1001000.0/45

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 2523808.2/93

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 1503342.1/47

yield_bpm0i02X_mean vs Slug



Right In: -0.171+/-0.000 χ^2/NDF : 19437142451.7/20

Left Out: -0.174+/-0.000 χ^2/NDF : 18025533236.1/24

Right Out: -0.233+/-0.000 χ^2/NDF : 9426365107.8/24

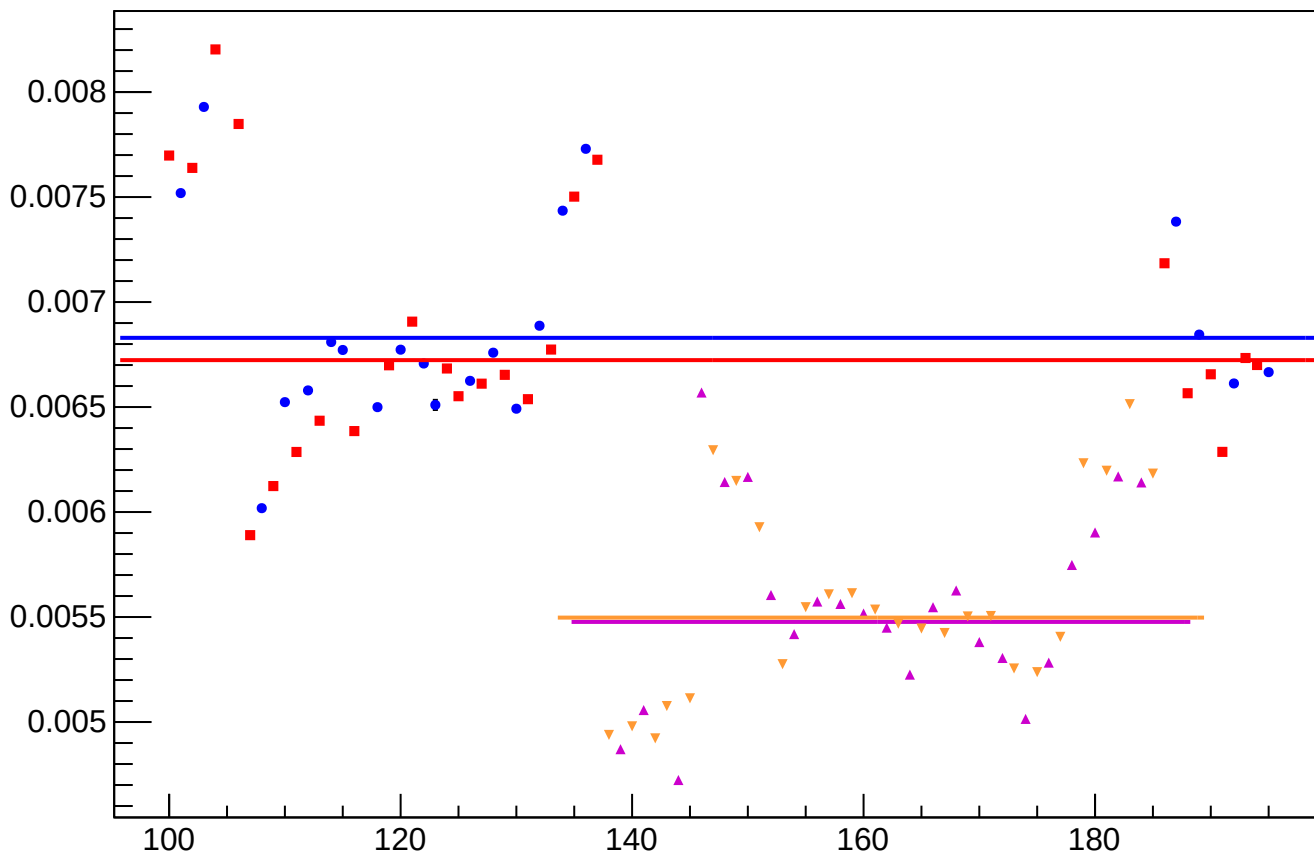
Left In: -0.187+/-0.000 χ^2/NDF : 12816646575.4/22

+ sign -0.174+/-0.000 χ^2/NDF : 37464028050.4/45

All: -0.187+/-0.000 χ^2/NDF : 60314835990.4/47

- sign -0.201+/-0.000 χ^2/NDF : 22572810624.4/47

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 83788.3/20

Left Out: 0.005+/-0.000 χ^2/NDF : 198746.4/24

Right Out: 0.007+/-0.000 χ^2/NDF : 112262.1/24

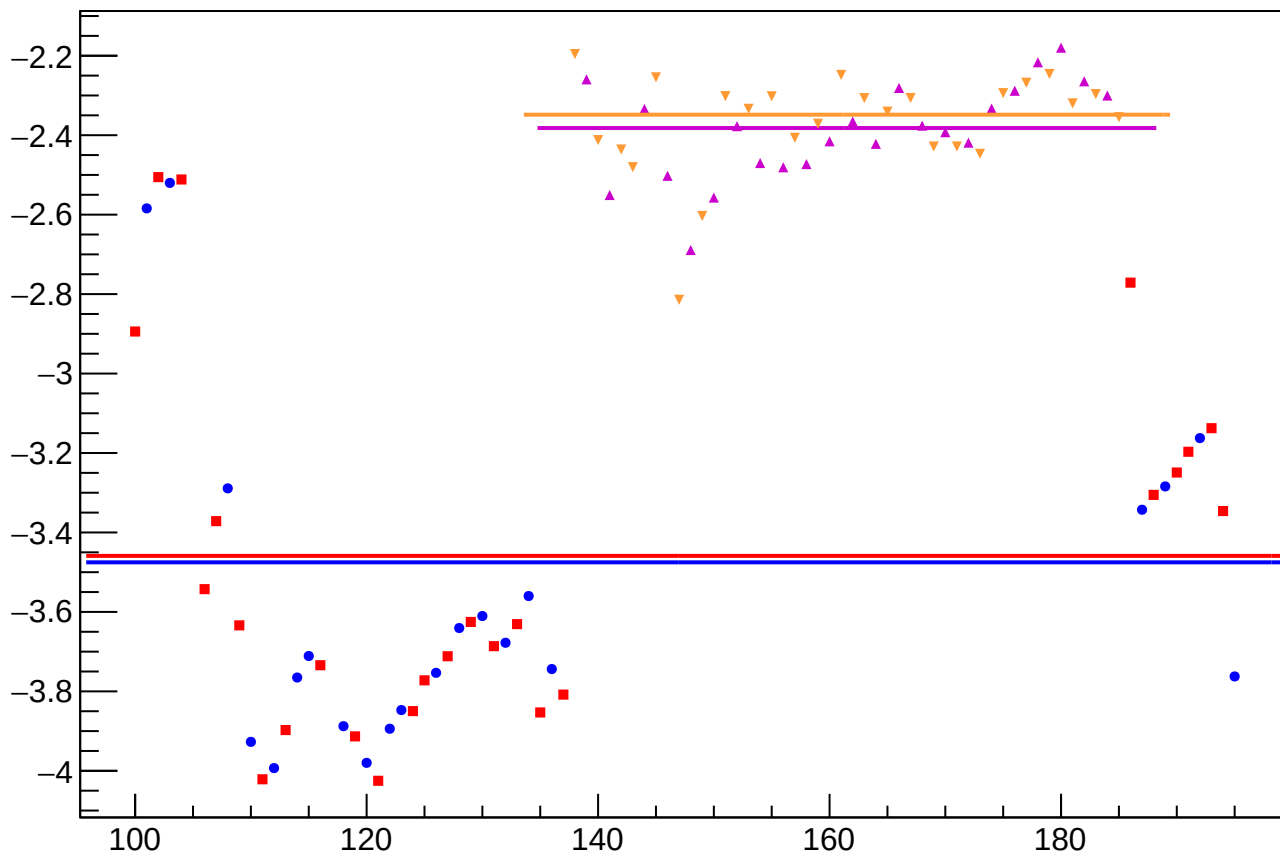
Left In: 0.005+/-0.000 χ^2/NDF : 202181.4/22

+ sign 0.006+/-0.000 χ^2/NDF : 791408.6/45

All: 0.006+/-0.000 χ^2/NDF : 1604679.6/93

- sign 0.006+/-0.000 χ^2/NDF : 813110.1/47

yield_bpm0i02Y_mean vs Slug



Right In: -3.475+/-0.000 χ^2/NDF : 28466016759.3/20

Left Out: -2.348+/-0.000 χ^2/NDF : 2158686333.4/24

Right Out: -3.459+/-0.000 χ^2/NDF : 29151012249.3/24

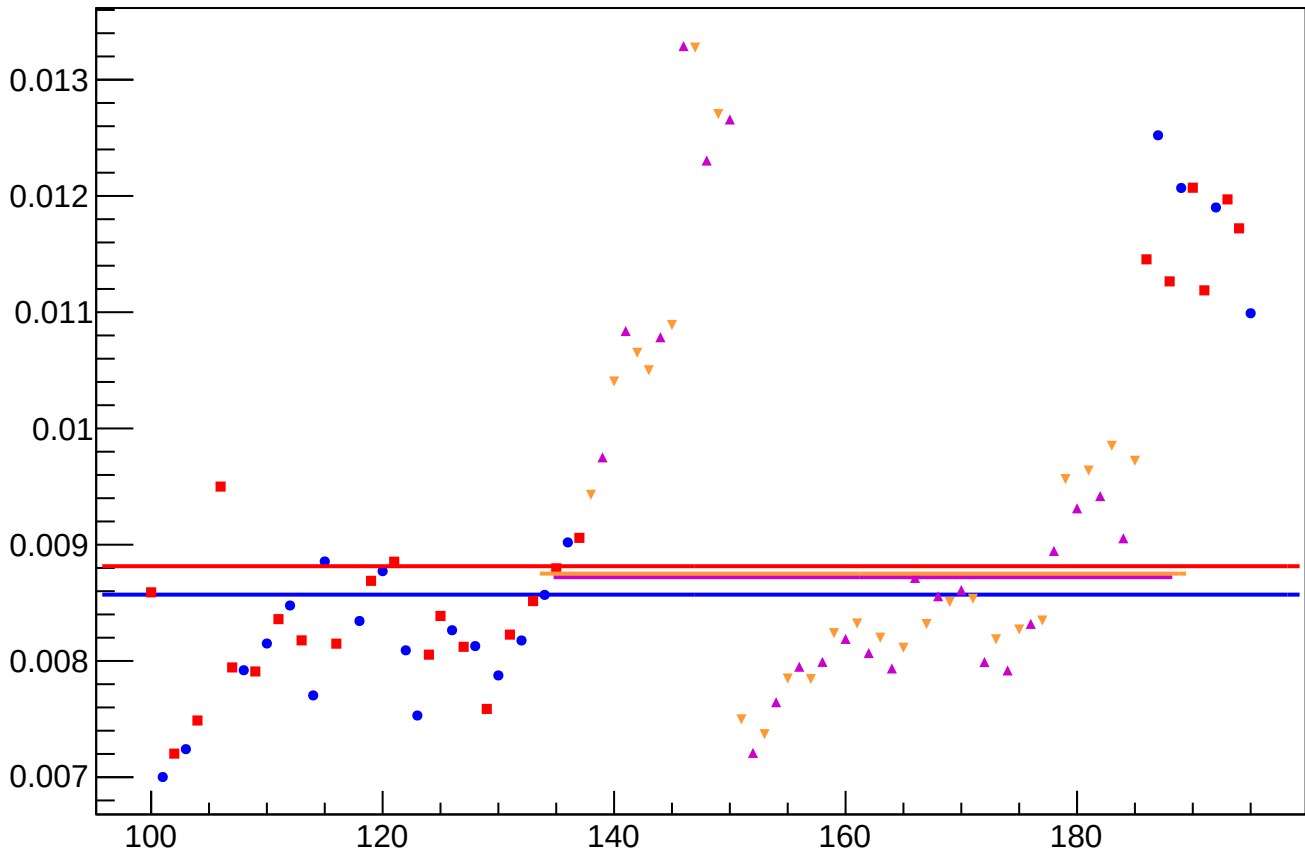
Left In: -2.382+/-0.000 χ^2/NDF : 2318395228.4/22

+ sign -2.734+/-0.000 χ^2/NDF : 128490102100.2/45

All: -2.759+/-0.000 χ^2/NDF : 252846186259.2

- sign -2.784+/-0.000 χ^2/NDF : 123931422460.4/47

yield_bpm0i02Y_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 453403.9/20

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

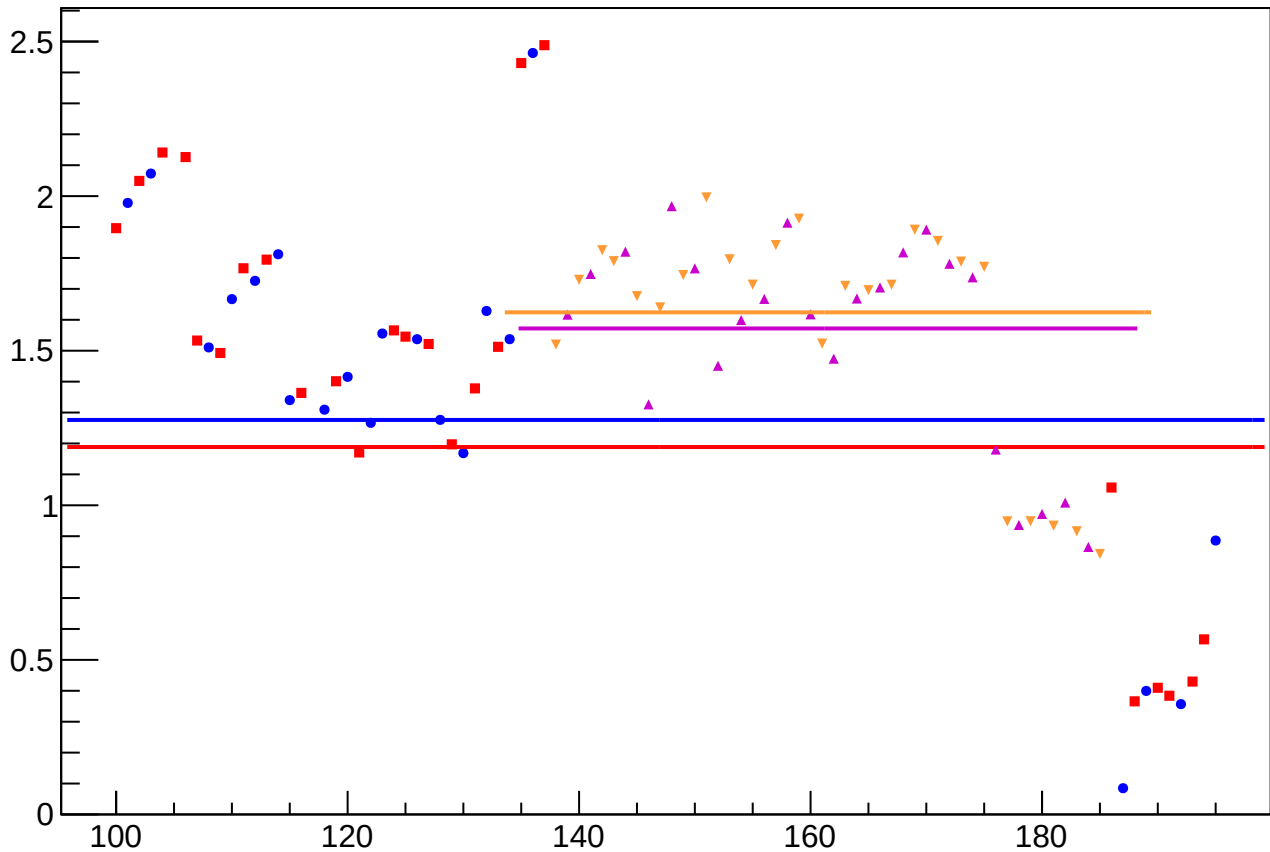
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:747867.0/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 1122122.8/45

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 2422387.3/93

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 1298760.7/47

yield_bpm0i02aX_mean vs Slug



Right In: 1.276 $\pm$ 0.000 χ^2 /NDF: 25493566772.4/20

Left Out: 1.624 $\pm$ 0.000 χ^2 /NDF: 16631112386.4/24

Right Out: 1.188 $\pm$ 0.000 χ^2 /NDF: 31662166177.7/24

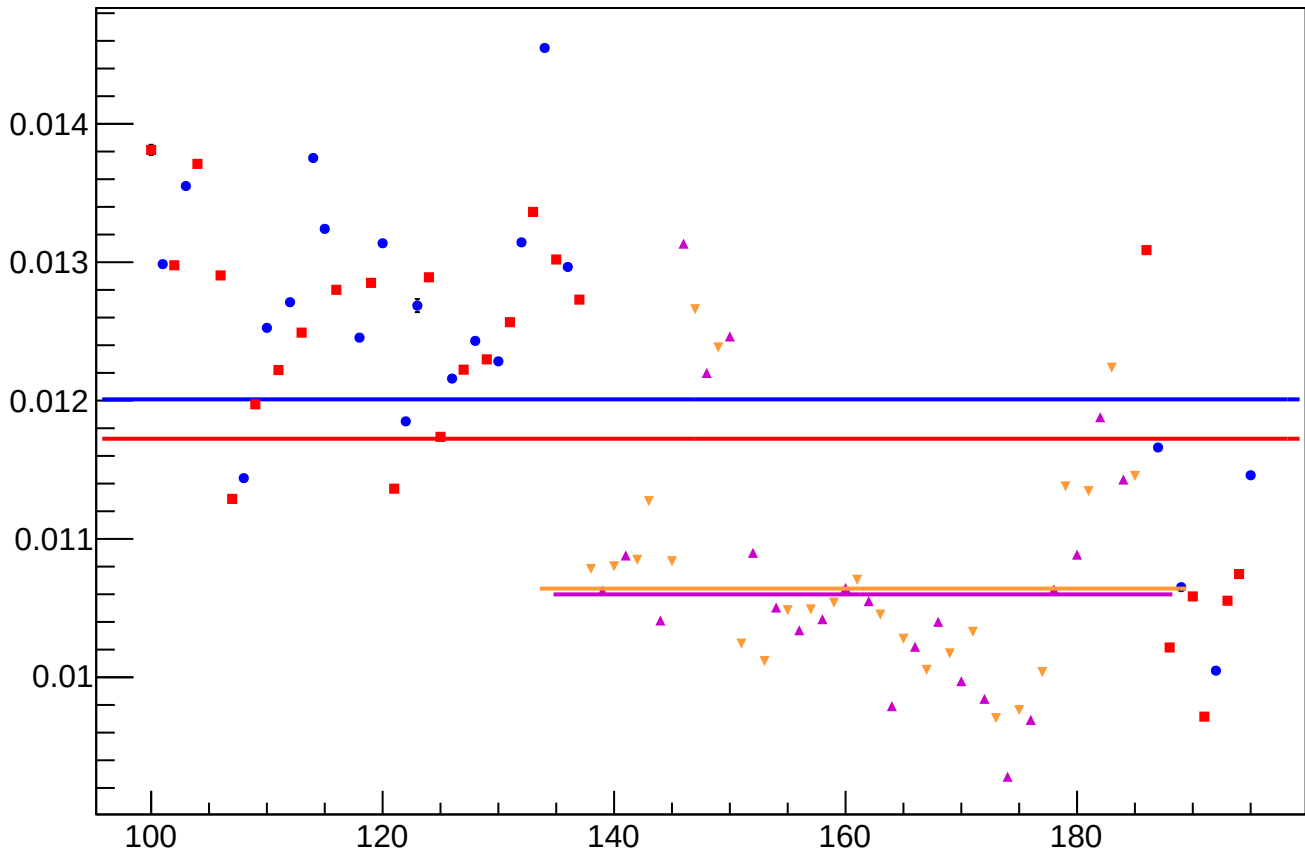
Left In: 1.572 $\pm$ 0.000 χ^2 /NDF: 14230484809.4/22

+ sign 1.526 $\pm$ 0.000 χ^2 /NDF: 47443797484.5/45

All: 1.485 $\pm$ 0.000 χ^2 /NDF: 101323667150.4

- sign 1.444 $\pm$ 0.000 χ^2 /NDF: 53140601301.6/47

yield_bpm0i02aX_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 154833.1/20

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

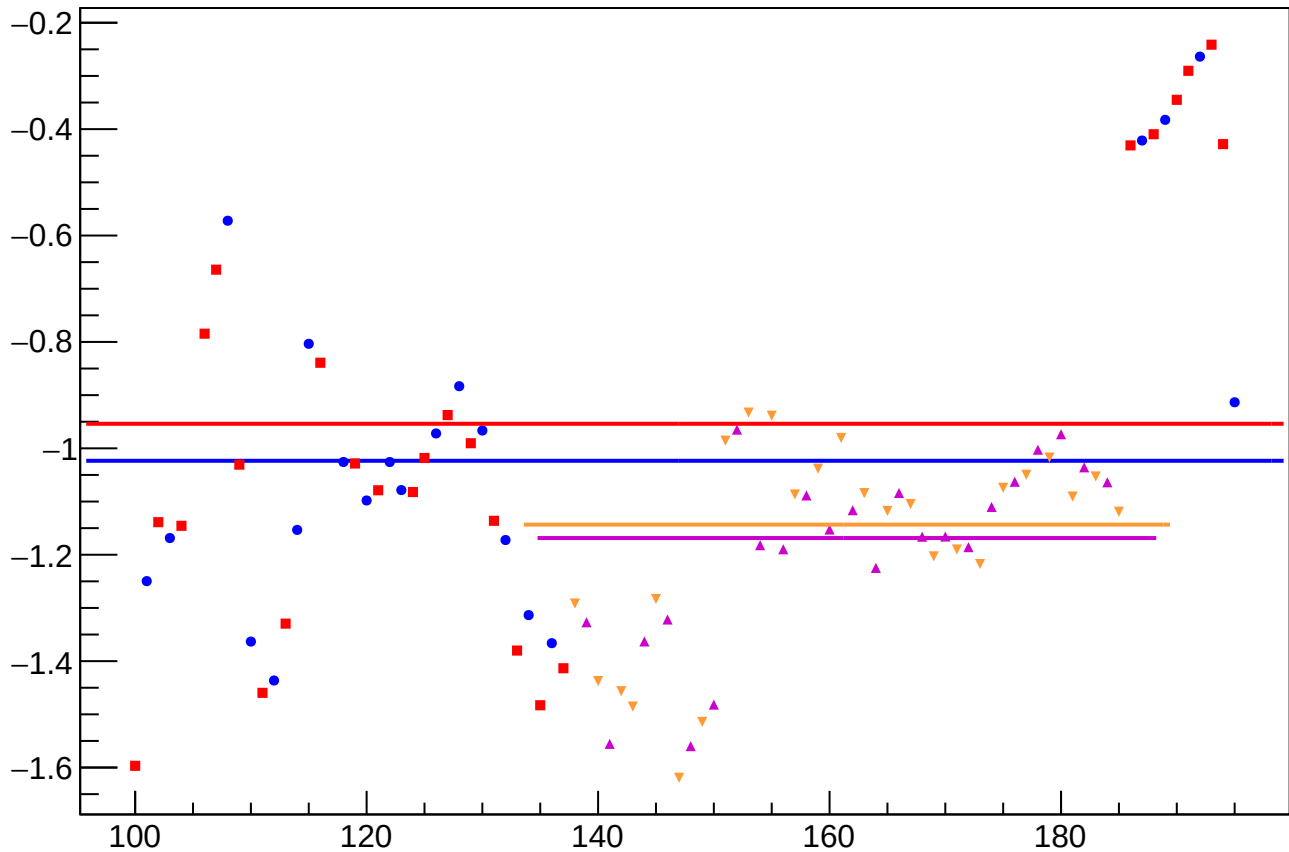
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:204531.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 478889.2/45

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 1003984.0/93

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 524514.5/47

yield_bpm0i02aY_mean vs Slug



Right In: -1.023 ± 0.000 $\chi^2/\text{NDF}: 10141114693.3/20$

Left Out: -1.143 ± 0.000 $\chi^2/\text{NDF}: 7976364534.0/24$

Right Out: -0.954 ± 0.000 $\chi^2/\text{NDF}: 15551283877.1/24$

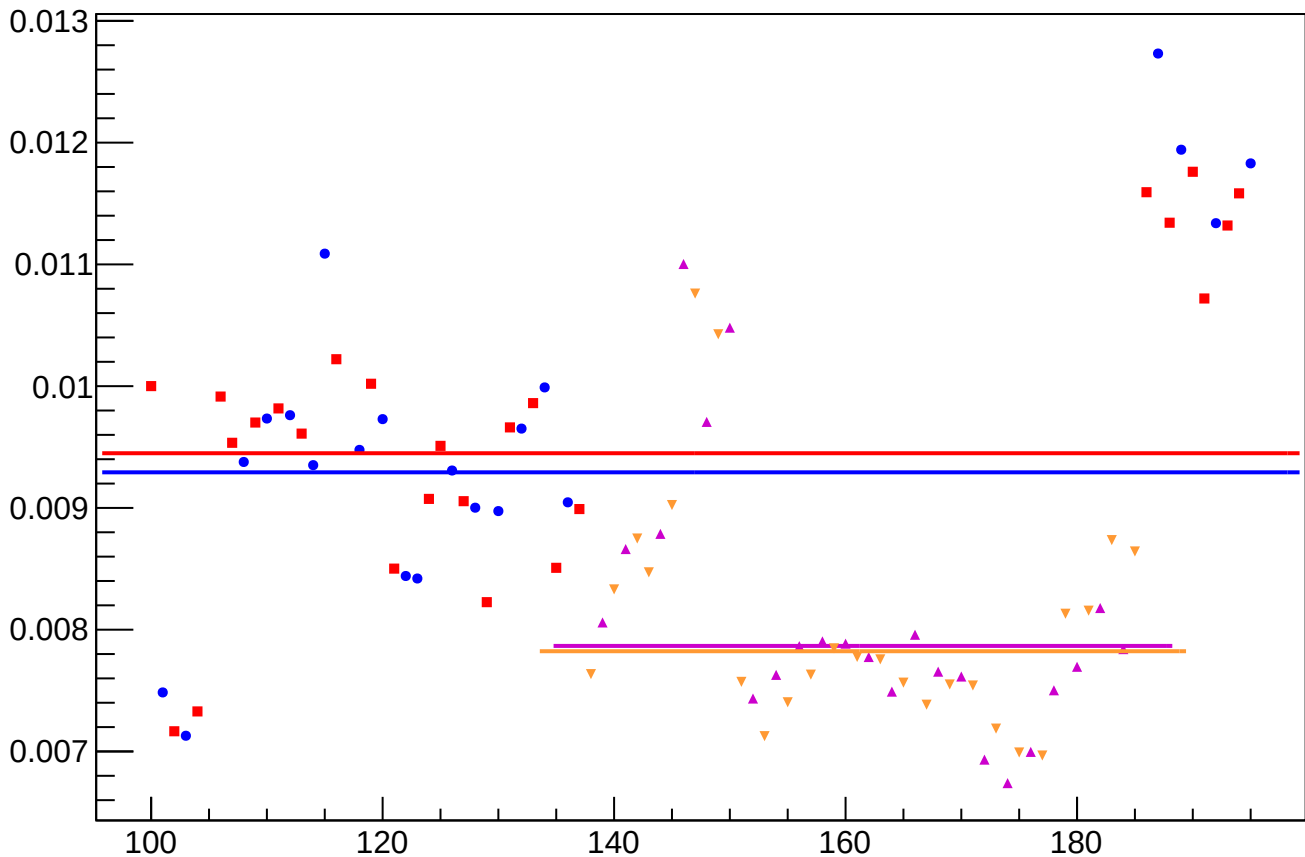
Left In: -1.169 ± 0.000 $\chi^2/\text{NDF}: 6362643368.6/22$

+ sign -1.112 ± 0.000 $\chi^2/\text{NDF}: 19169453152.6/45$

All: -1.109 ± 0.000 $\chi^2/\text{NDF}: 44667446987.2/191$

- 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 : 390463.0/20

Left Out: 0.008+/-0.000 χ^2/NDF :336387.6/24

Right Out: 0.009+/-0.000 χ^2/NDF : 436483.2/24

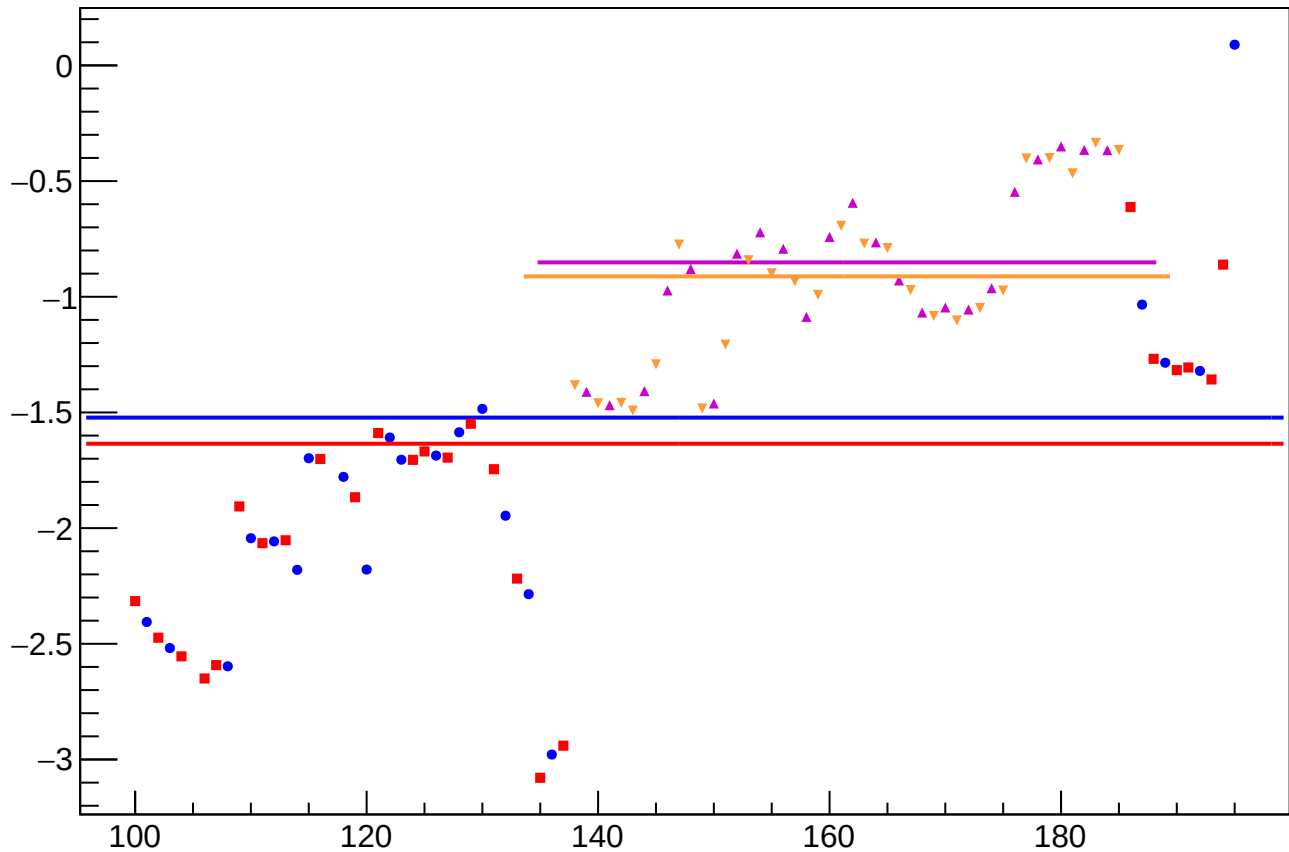
Left In: 0.008+/-0.000 χ^2/NDF :379901.3/22

+ sign 0.008+/-0.000 χ^2/NDF : 1042199.3/45

All: 0.008+/-0.000 χ^2/NDF : 2252915.5/93

- sign 0.008+/-0.000 χ^2/NDF : 1204536.6/47

yield_bpm0i05X_mean vs Slug



Right In: -1.522 ± 0.000 χ^2/NDF : 157392970806.5/20

Left Out: -0.912 ± 0.000 χ^2/NDF : 49039425818.1/24

Right Out: -1.635 ± 0.000 χ^2/NDF : 100087189447.8/24

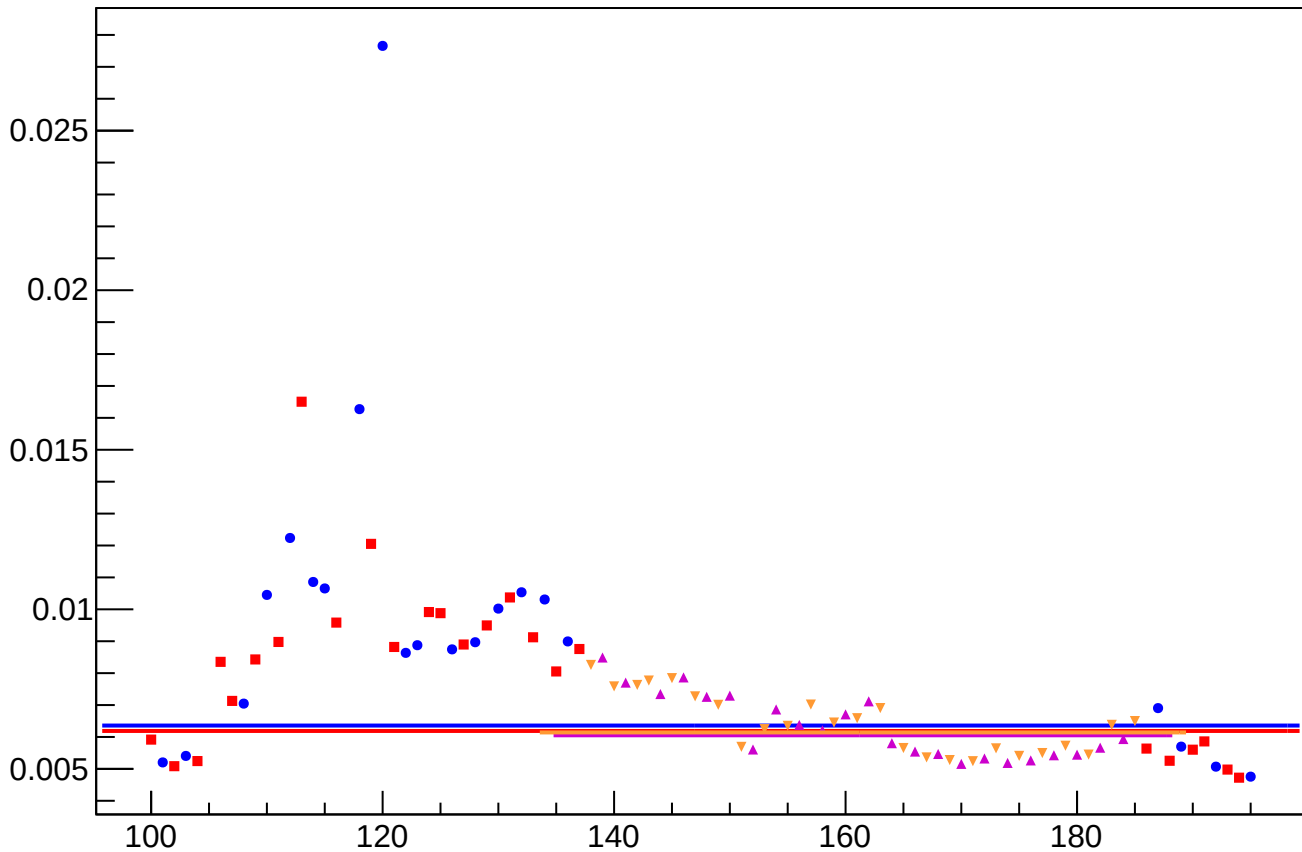
Left In: -0.851 ± 0.000 χ^2/NDF : 46438446008.2/22

+ sign -1.082 ± 0.000 χ^2/NDF : 252563880497.1/45

All: -1.100 ± 0.000 χ^2/NDF : 489821971083.1

- sign -1.116 ± 0.000 χ^2/NDF : 236877082293.2/47

yield_bpm0i05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1763263.1/20

Left Out: 0.006+/-0.000 χ^2/NDF : 637765.4/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1570163.2/24

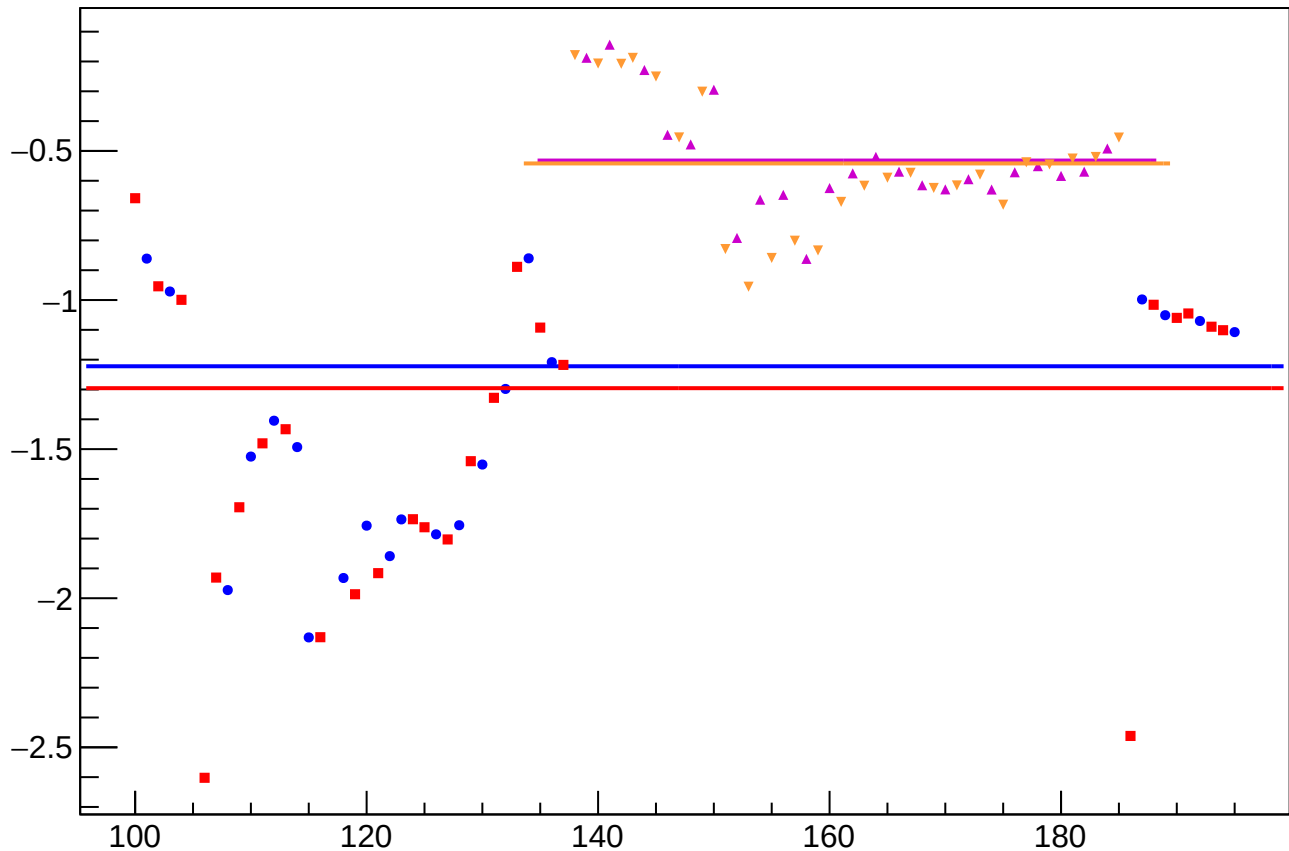
Left In: 0.006+/-0.000 χ^2/NDF : 697577.8/22

+ sign 0.006+/-0.000 χ^2/NDF : 2412575.0/45

All: 0.006+/-0.000 χ^2/NDF : 4692598.1/93

- sign 0.006+/-0.000 χ^2/NDF : 2273195.5/47

yield_bpm0i05Y_mean vs Slug



Right In: -1.222+/-0.000 χ^2 /NDF: 26144013410.9/20

Left Out: -0.542+/-0.000 χ^2 /NDF: 47268284910.3/24

Right Out: -1.296+/-0.000 χ^2 /NDF: 76840607576.6/24

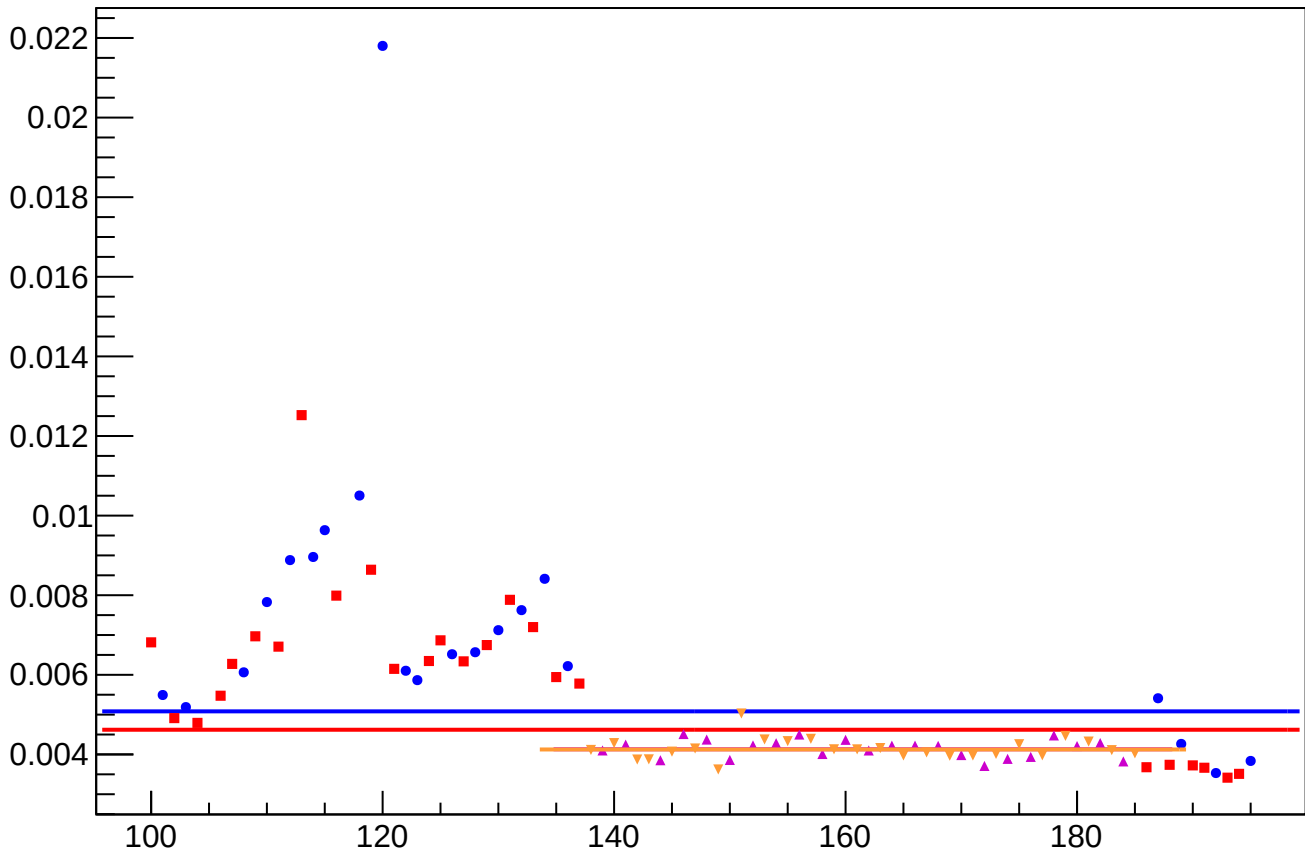
Left In: -0.532+/-0.000 χ^2 /NDF: 30715235426.8/22

+ sign -0.688+/-0.000 χ^2 /NDF: 172005010264.6/45

All: -0.723+/-0.000 χ^2 /NDF: 442295164028.5

- sign -0.756+/-0.000 χ^2 /NDF: 267330781021.4/47

yield_bpm0i05Y_rms vs Slug



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 1569713.9/20

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:113033.9/24

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 1695960.9/24

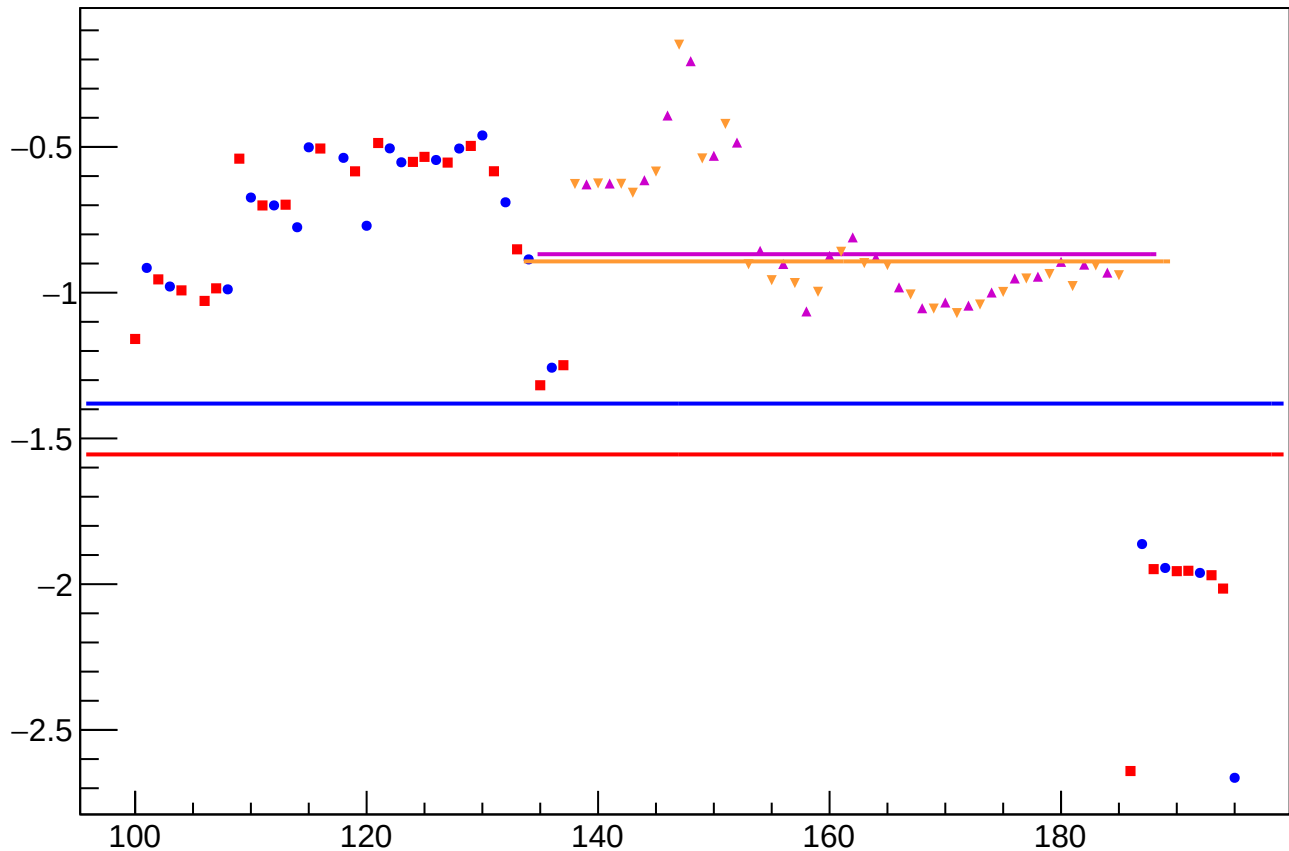
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:93111.2/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2073640.4/45

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 3998783.6/93

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1920959.8/47

yield_bpm0i07X_mean vs Slug



Right In: -1.380+/-0.000 χ^2/NDF : 152367692270.8/20

Left Out: -0.893+/-0.000 χ^2/NDF : 40787012603.8/24

Right Out: -1.555+/-0.000 χ^2/NDF : 232343230798.4/24

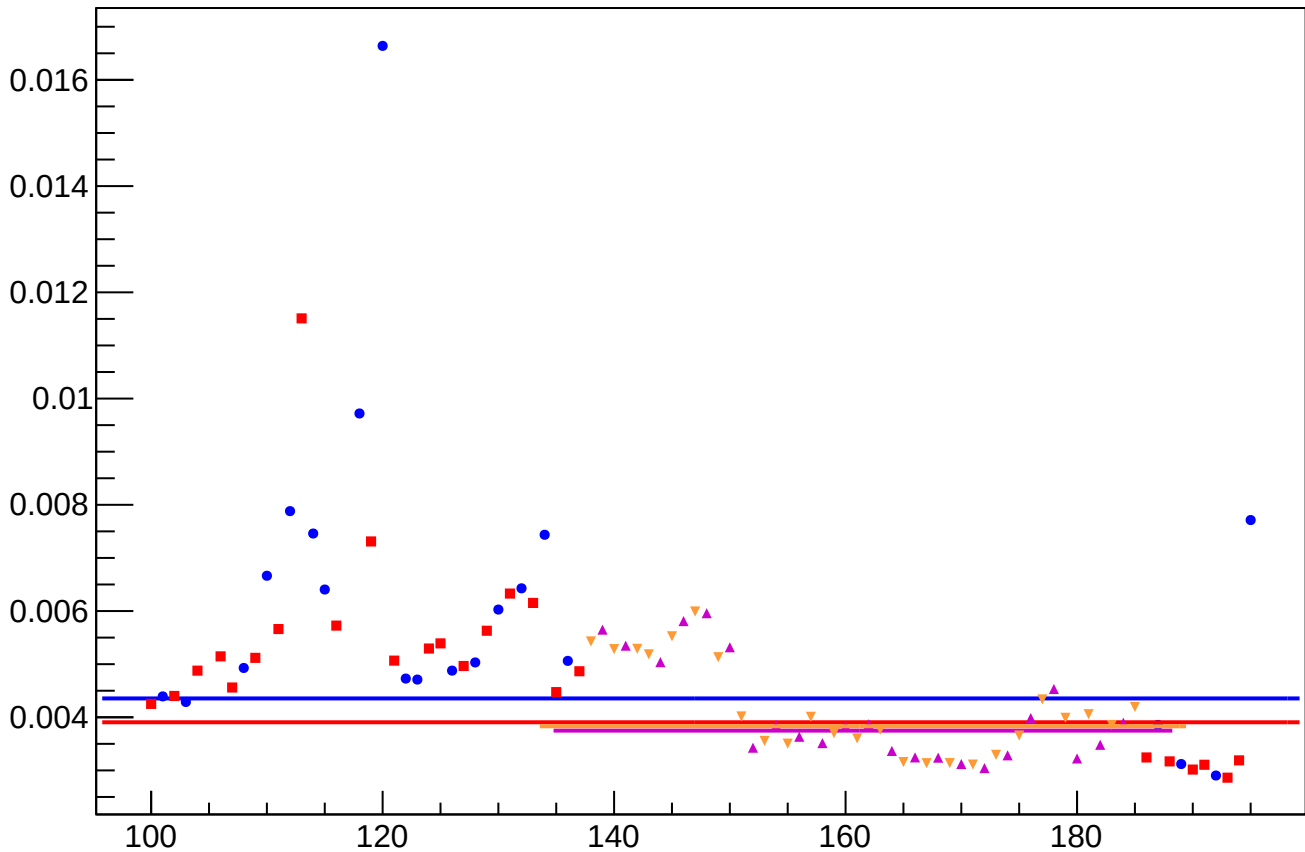
Left In: -0.868+/-0.000 χ^2/NDF : 43853190177.2/22

+ sign -1.014+/-0.000 χ^2/NDF : 259667390443.4/45

All: -1.058+/-0.000 χ^2/NDF : 717924976415.5

- sign -1.098+/-0.000 χ^2/NDF : 452629100623.5/47

yield_bpm0i07X_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 1861712.5/20

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1179801.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1545318.0/24

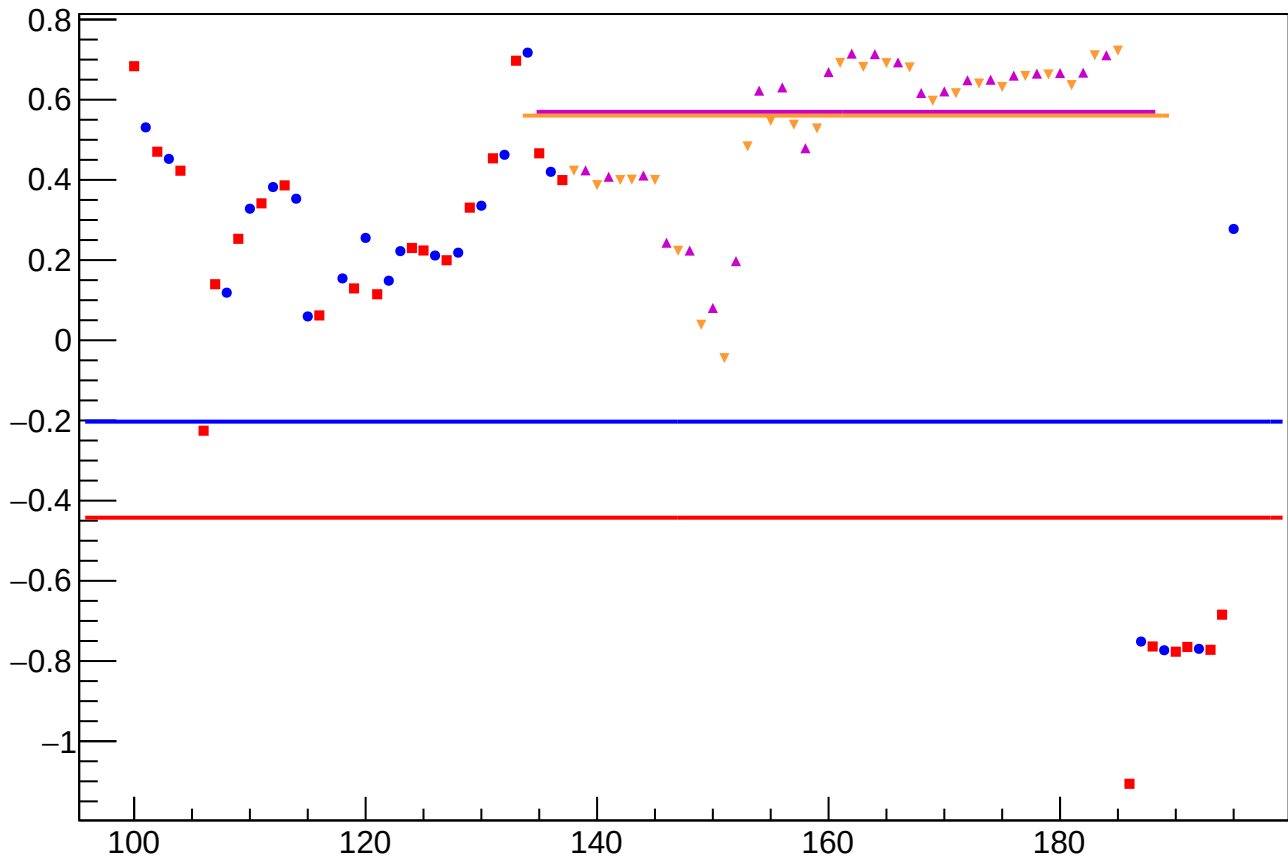
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1288490.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 3195041.1/45

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 6087475.1/93

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 2852250.2/47

yield_bpm0i07Y_mean vs Slug



Right In: -0.203 $\pm$ 0.000 χ^2 /NDF: 244534437144.7/20

Left Out: 0.560 $\pm$ 0.000 χ^2 /NDF: 45205806387.2/24

Right Out: -0.442 $\pm$ 0.000 χ^2 /NDF: 358984218667.9/24

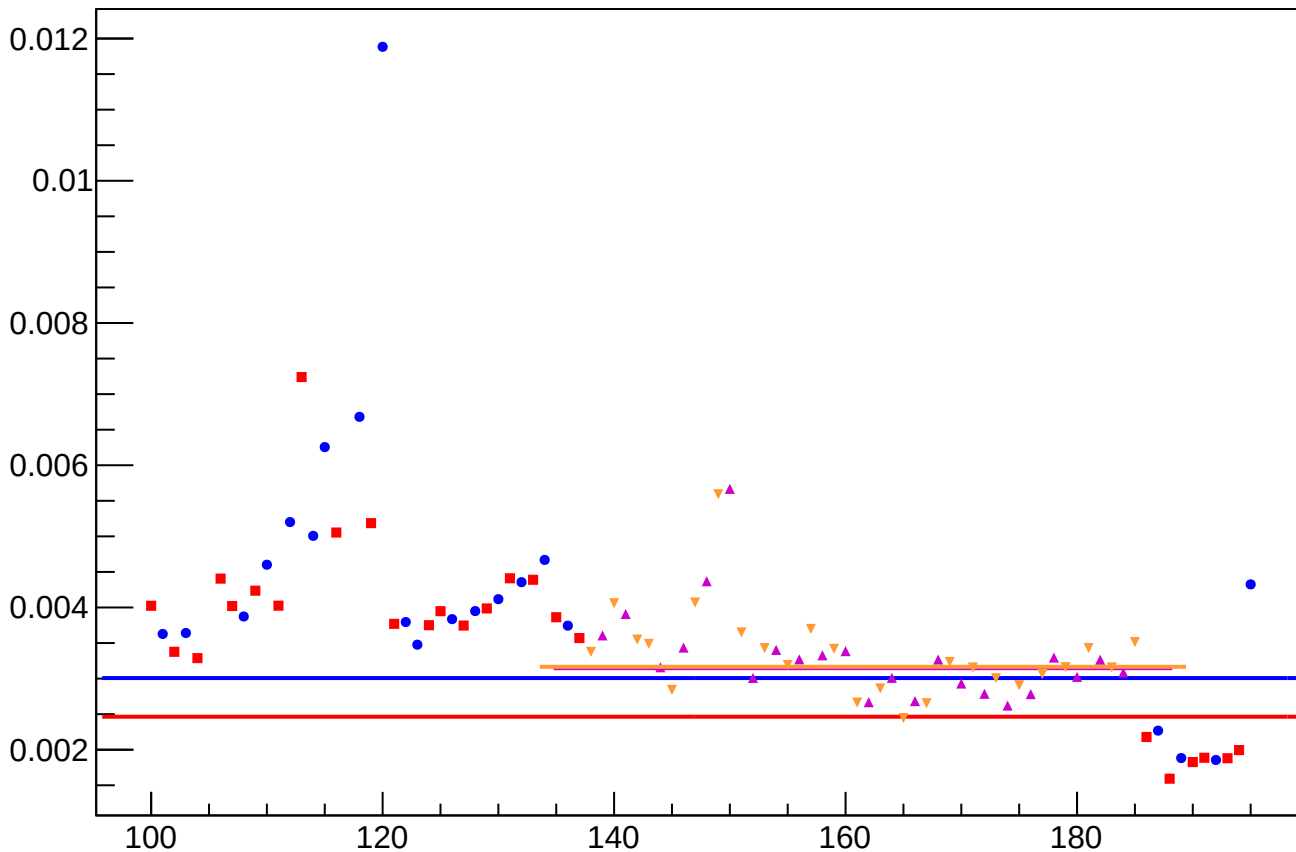
Left In: 0.570 $\pm$ 0.000 χ^2 /NDF: 42104067973.0/22

+ sign 0.315 $\pm$ 0.000 χ^2 /NDF: 592716906908.7/45

All: 0.203 $\pm$ 0.000 χ^2 /NDF: 1773404434257.

- sign 0.110 $\pm$ 0.000 χ^2 /NDF: 1125971999497.2/47

yield_bpm0i07Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 2312864.0/20

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:744886.7/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 2781672.0/24

Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:716402.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 3083886.2/45

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 7442958.3/93

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 4157175.0/47

yield_bpm1i02X_mean vs Slug



Right In: -0.029+/-0.000 χ^2/NDF : 5626542004.2/20

Left Out: -2.182+/-0.000 χ^2/NDF : 4008829567.0/24

Right Out: -0.022+/-0.000 χ^2/NDF : 6731966498.9/24

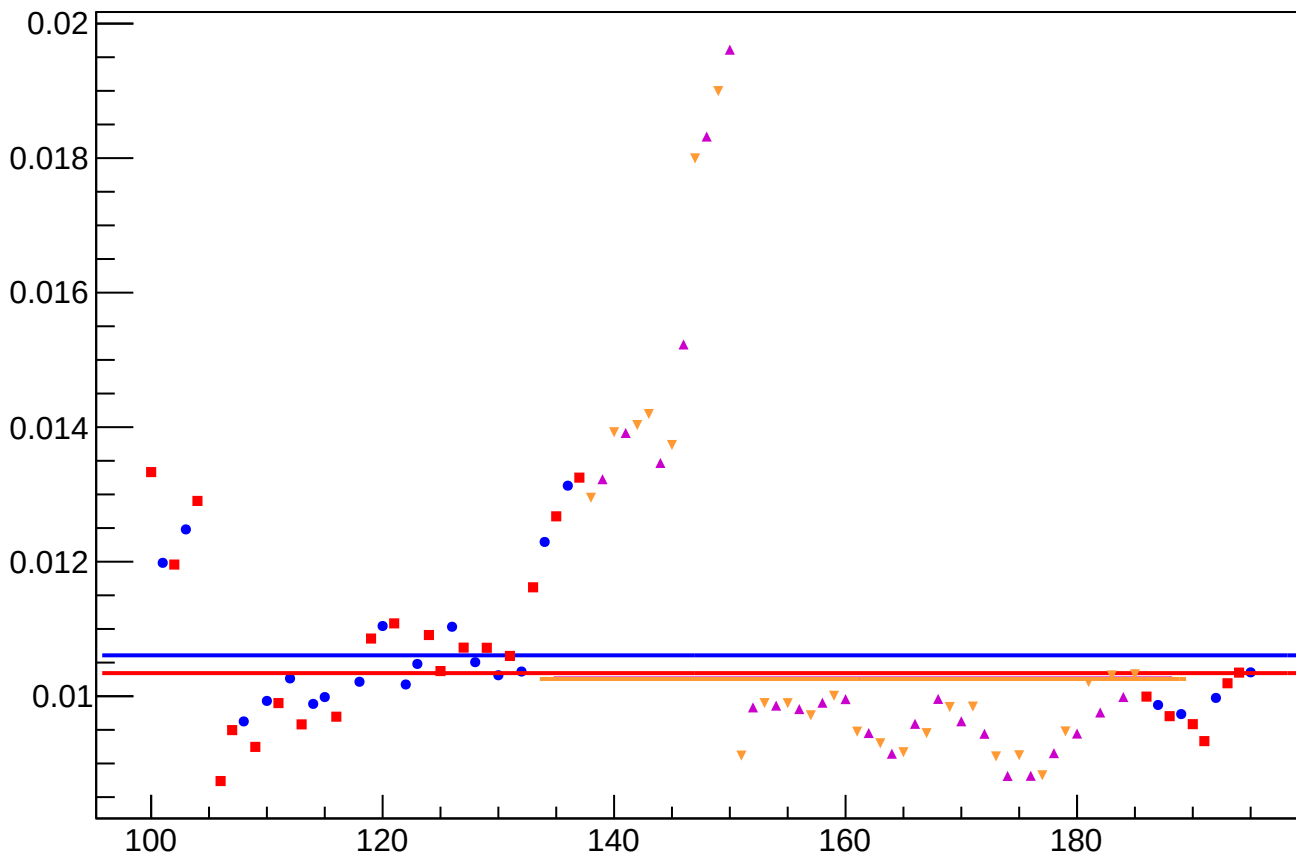
Left In: -2.185+/-0.000 χ^2/NDF : 3372742534.3/22

+ sign -1.489+/-0.000 χ^2/NDF : 259892945743.4/45

All: -1.423+/-0.000 χ^2/NDF : 553530332779.3

- 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 : 148113.1/20

Left Out: 0.010+/-0.000 χ^2/NDF :1270617.6/24

Right Out: 0.010+/-0.000 χ^2/NDF : 204500.4/24

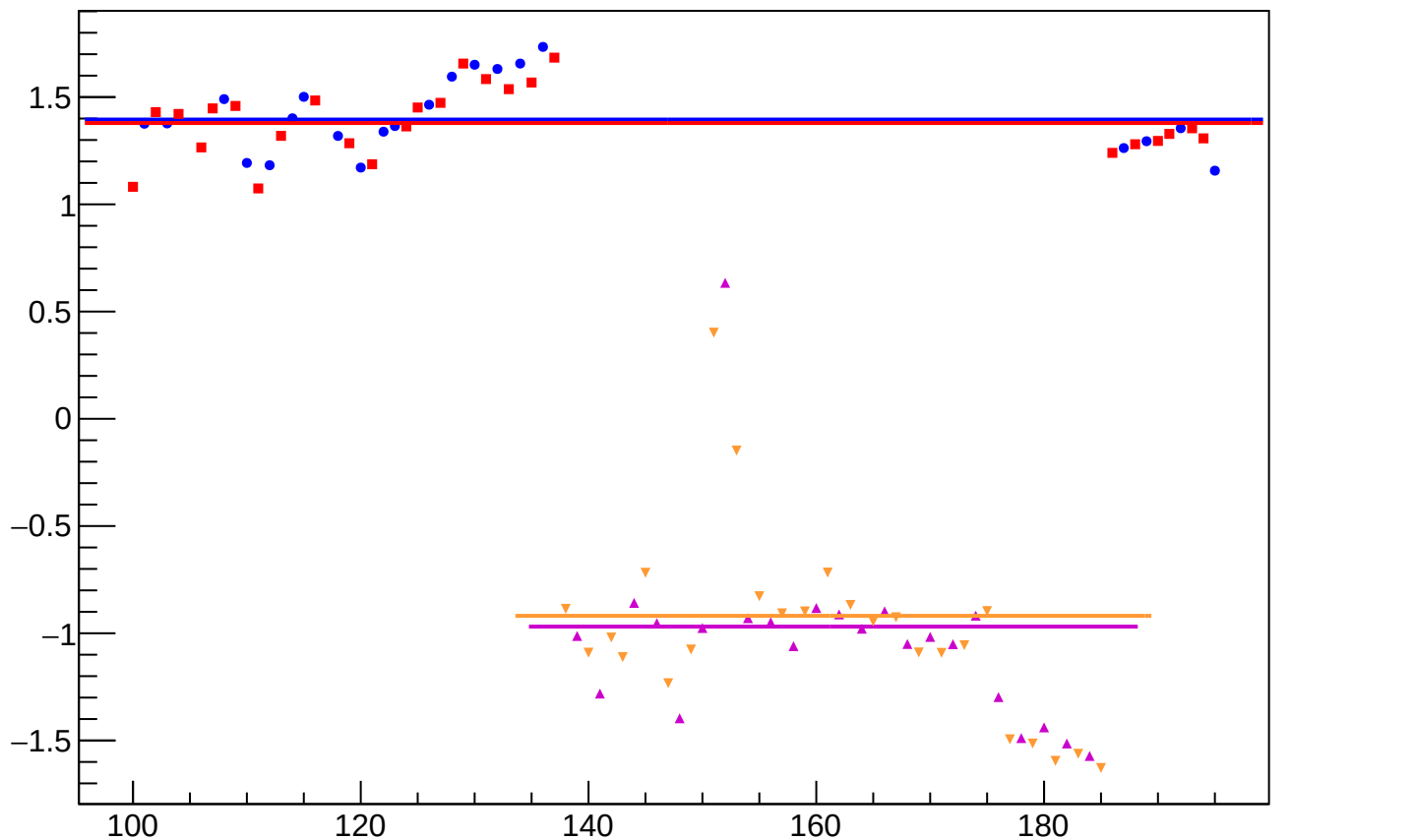
Left In: 0.010+/-0.000 χ^2/NDF :1340264.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 1432106.1/45

All: 0.010+/-0.000 χ^2/NDF : 2979023.1/93

- sign 0.010+/-0.000 χ^2/NDF : 1545516.6/47

yield_bpm1i02Y_mean vs Slug



Right In: 1.395+/-0.000 χ^2/NDF : 4685200826.1/20

Left Out: -0.919+/-0.000 χ^2/NDF : 55622252895.8/24

Right Out: 1.379+/-0.000 χ^2/NDF : 3288813218.2/24

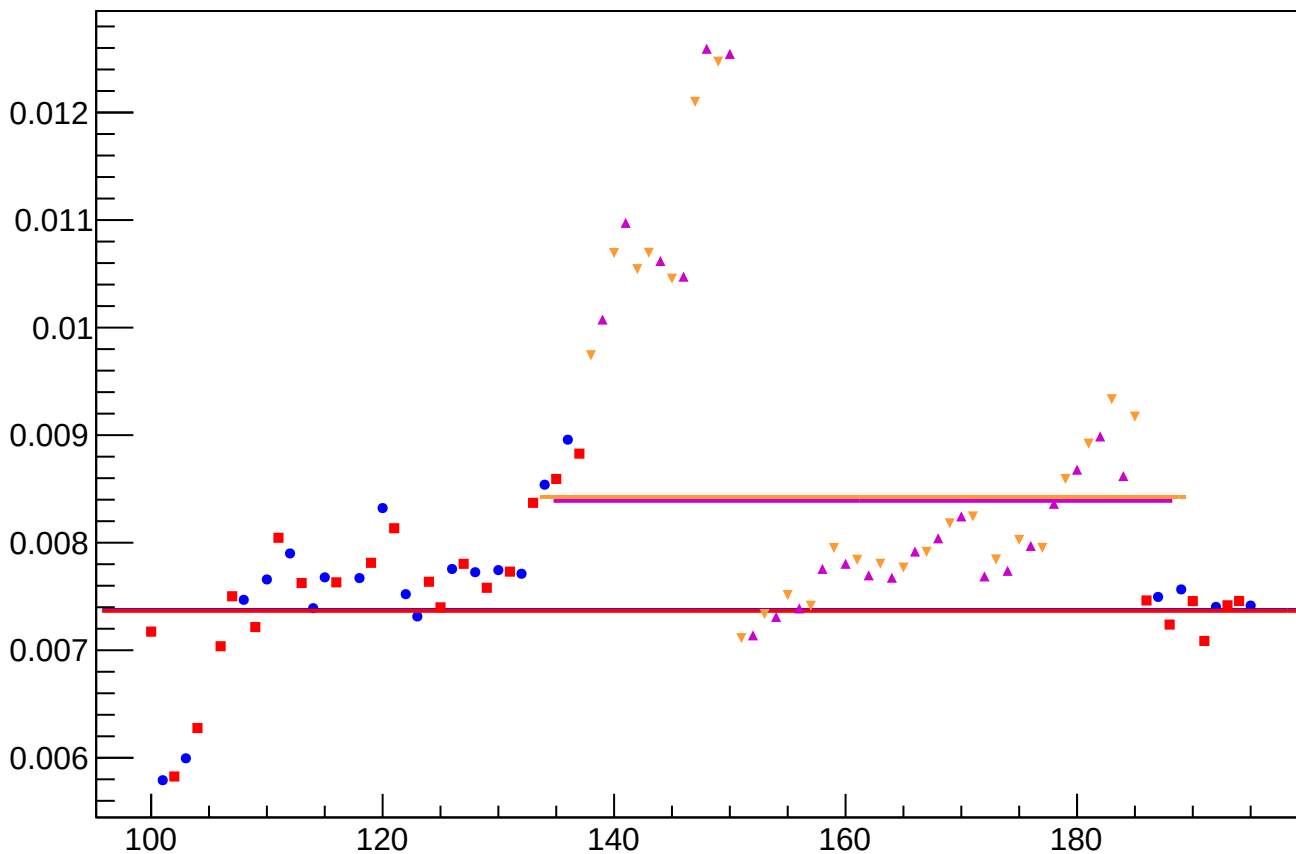
Left In: -0.969+/-0.000 χ^2/NDF : 54895002535.8/22

+ sign -0.008+/-0.000 χ^2/NDF : 592024901595.2/45

All: 0.035+/-0.000 χ^2/NDF : 1239124295282.

- sign 0.076+/-0.000 χ^2/NDF : 645627332973.7/47

yield_bpm1i02Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 229589.7/20

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

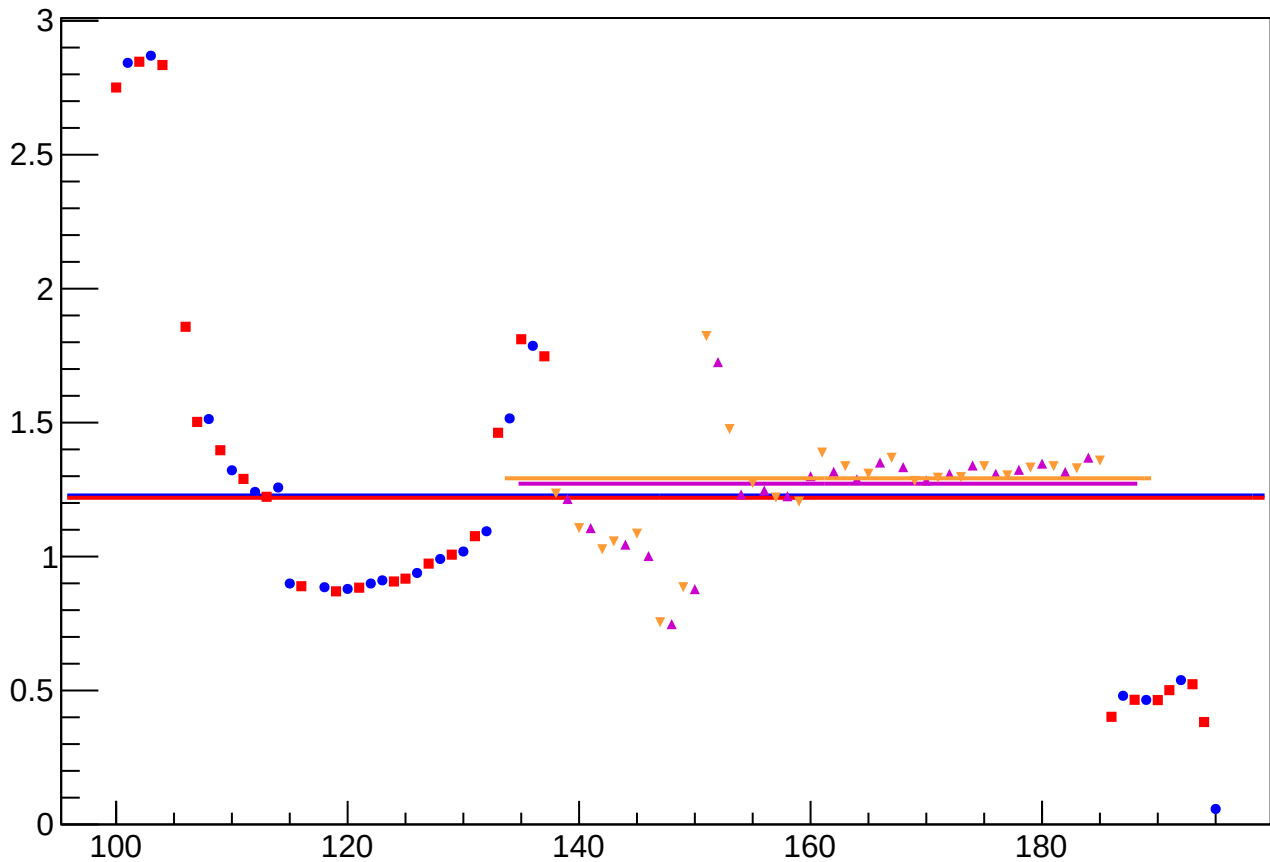
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 839880.4/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1241694.7/45

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2481248.4/93

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1237057.3/47

yield_bpm1i04X_mean vs Slug



Right In: 1.228 $\pm$ 0.000 χ^2 /NDF: 76134493463.8/20

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

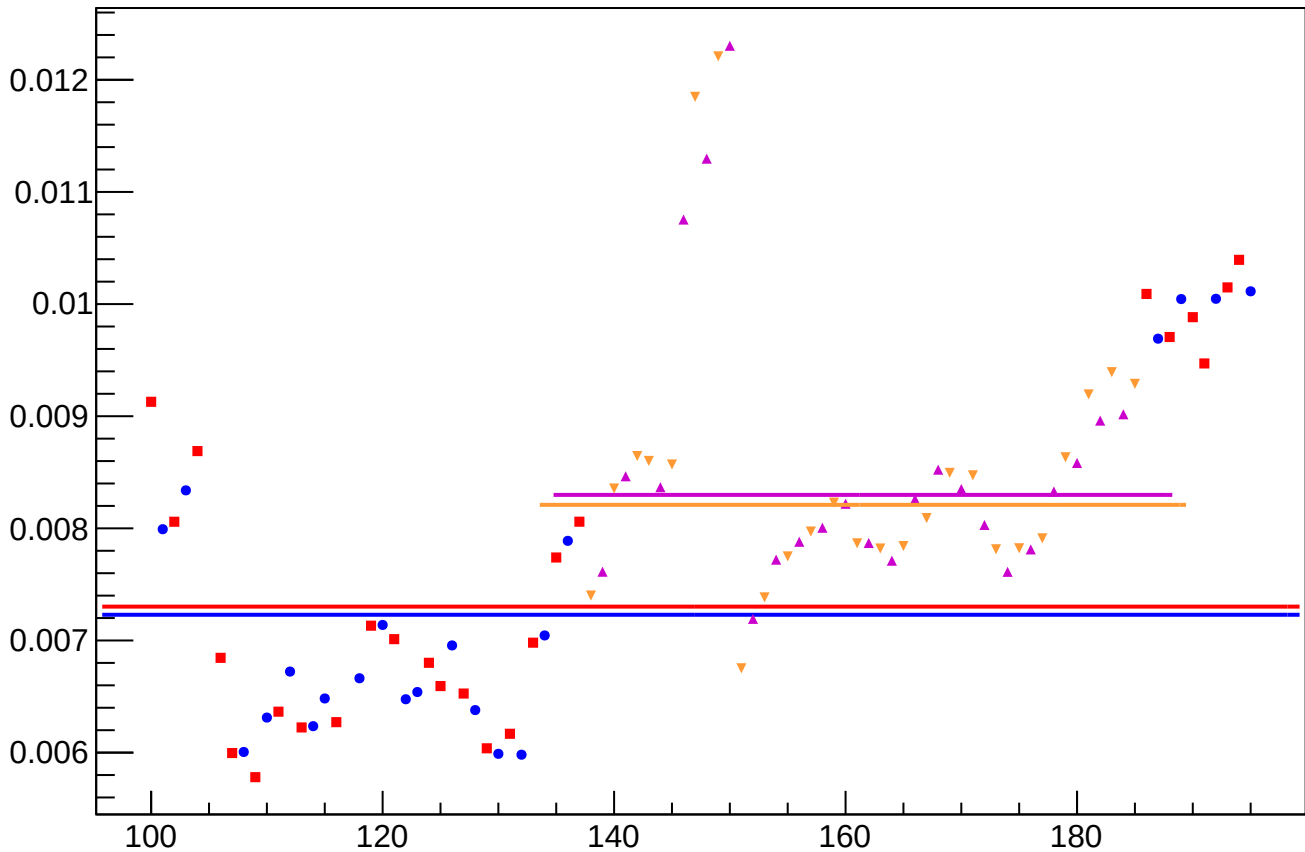
Left In: 1.272 $\pm$ 0.000 χ^2 /NDF: 7573930981.2/22

+ sign 1.267 $\pm$ 0.000 χ^2 /NDF: 85859974996.6/45

All: 1.258 $\pm$ 0.000 χ^2 /NDF: 168333145985.9

- 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: 592133.9/20

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

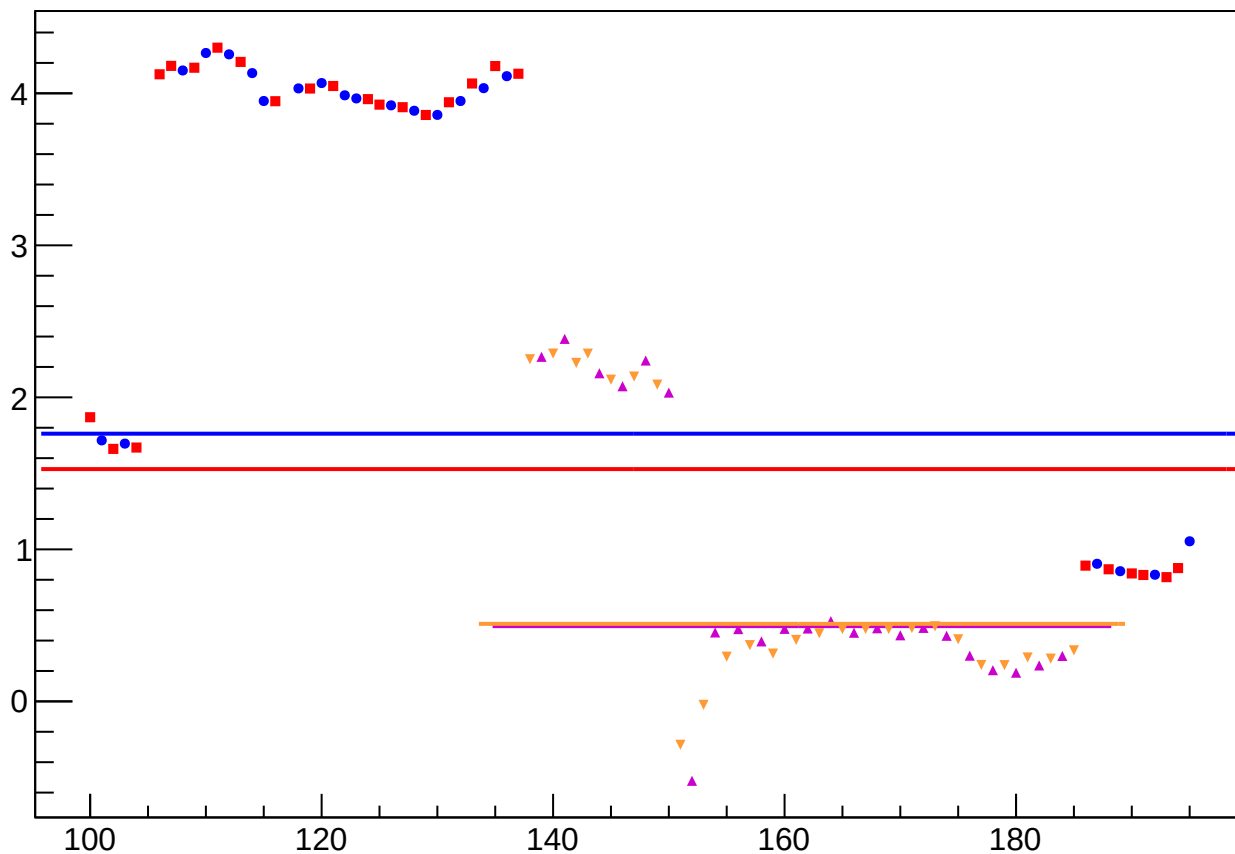
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 462022.1/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1267444.5/45

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2745690.7/93

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1477752.7/47

yield_bpm1i04Y_mean vs Slug



Right In: 1.761 $\pm$ 0.000 χ^2 /NDF: 1251451421090.9/20

Left Out: 0.510 $\pm$ 0.000 χ^2 /NDF: 274818814912.4/24

Right Out: 1.528 $\pm$ 0.000 χ^2 /NDF: 1559602360187.9/24

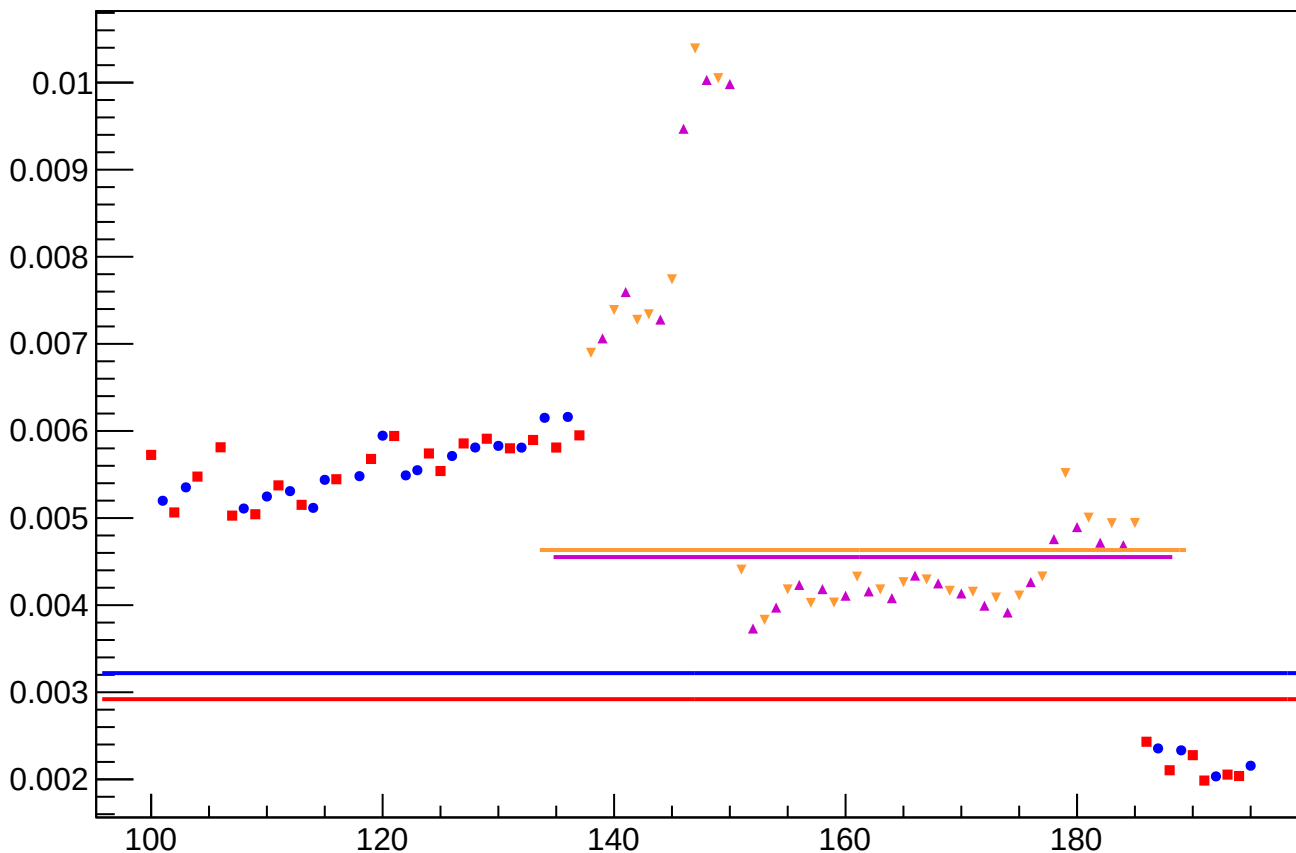
Left In: 0.495 $\pm$ 0.000 χ^2 /NDF: 268863202792.4/22

+ sign 1.096 $\pm$ 0.000 χ^2 /NDF: 2095436458756.9/45

All: 1.082 $\pm$ 0.000 χ^2 /NDF: 4375110931086.9/47

- sign 1.071 $\pm$ 0.000 χ^2 /NDF: 2279178185627.9/47

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 3512272.2/20

Left Out: 0.005+/-0.000 χ^2/NDF : 2114007.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 4096058.9/24

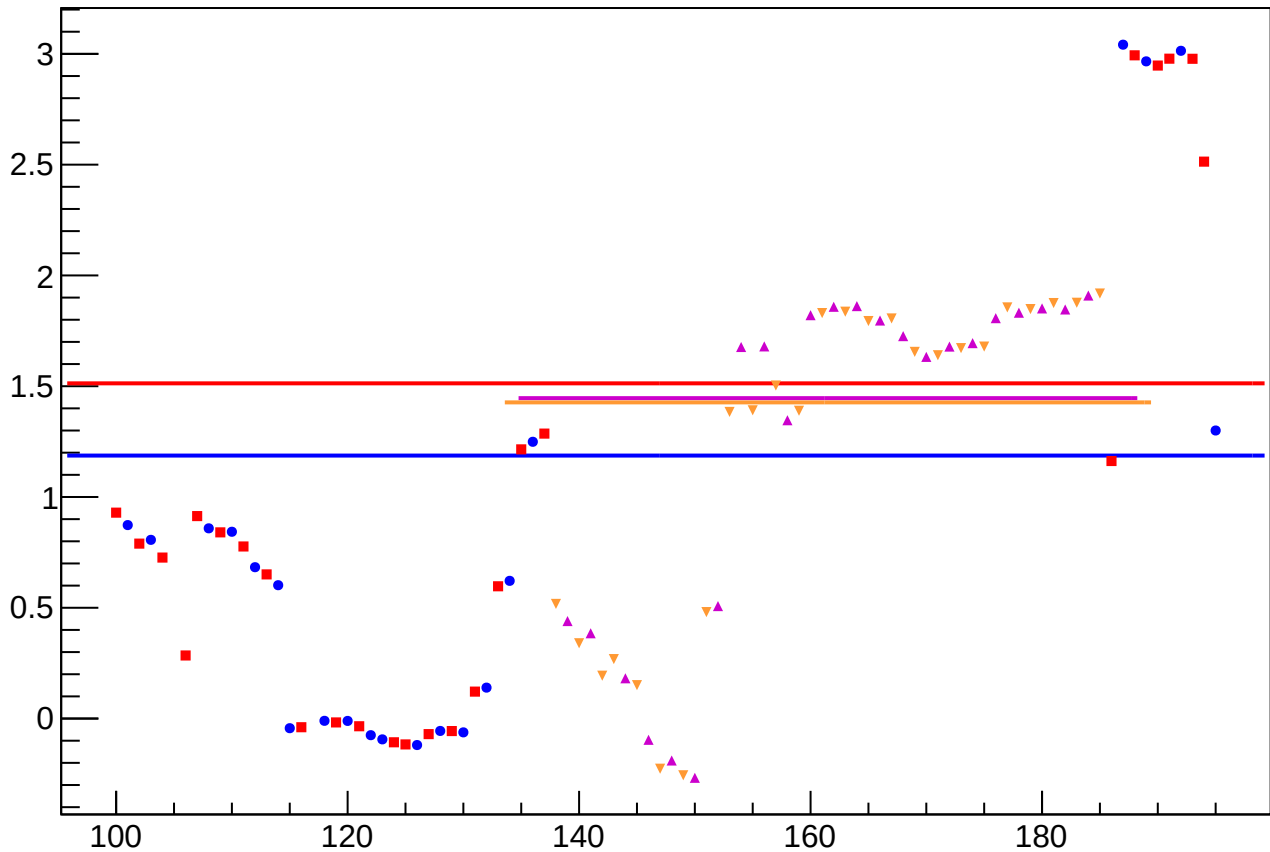
Left In: 0.005+/-0.000 χ^2/NDF : 2237666.9/22

+ sign 0.004+/-0.000 χ^2/NDF : 7079080.7/45

All: 0.004+/-0.000 χ^2/NDF : 15831150.4/93

- sign 0.004+/-0.000 χ^2/NDF : 8582275.8/47

yield_bpm1i06X_mean vs Slug



Right In: 1.187 $\pm$ 0.000 χ^2 /NDF: 72589745293.8/20

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

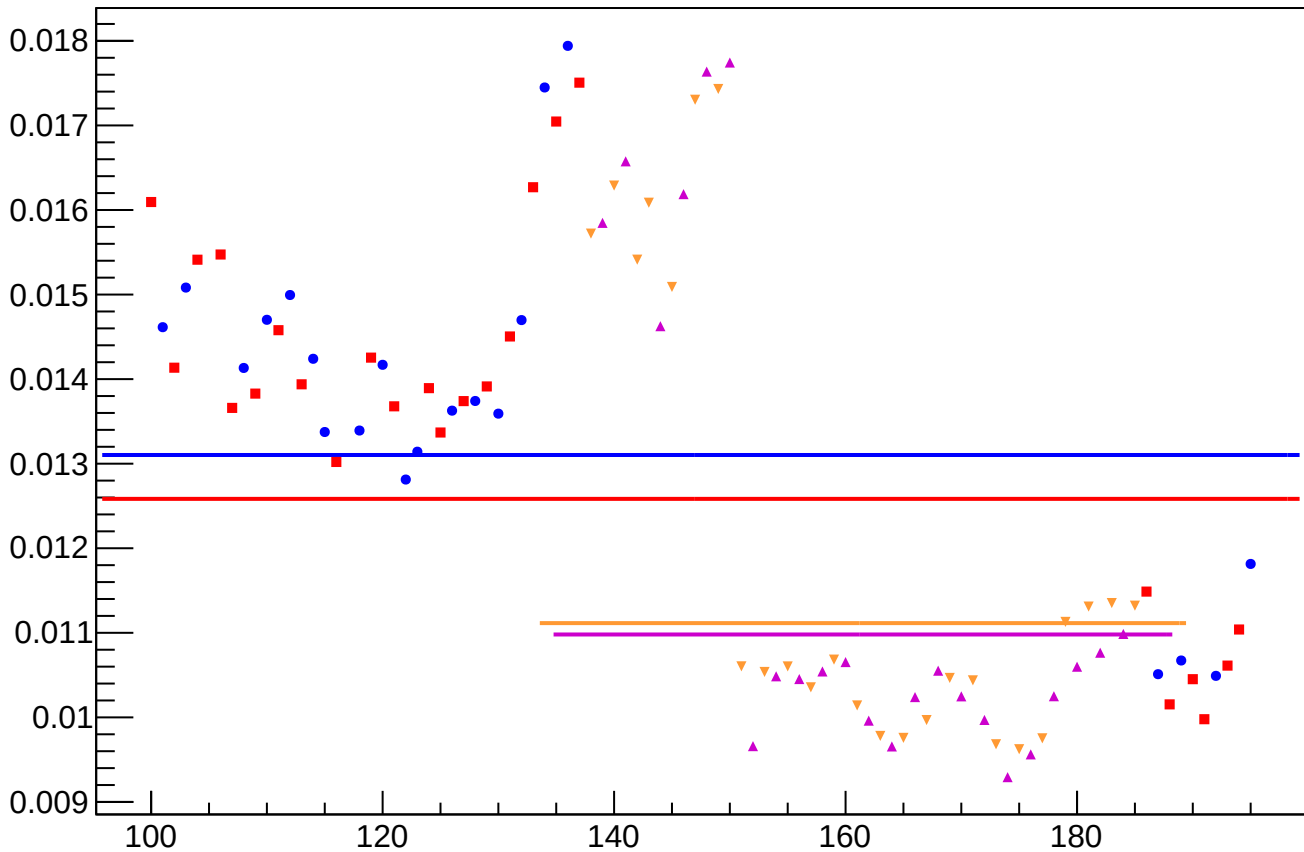
Left In: 1.446 $\pm$ 0.000 χ^2 /NDF: 53752493130.3/22

+ sign 1.363 $\pm$ 0.000 χ^2 /NDF: 124748111476.4/45

All: 1.416 $\pm$ 0.000 χ^2 /NDF: 277061315516.3

- 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 : 420793.5/20

Left Out: 0.011+/-0.000 χ^2/NDF :1227493.2/24

Right Out: 0.013+/-0.000 χ^2/NDF : 546797.9/24

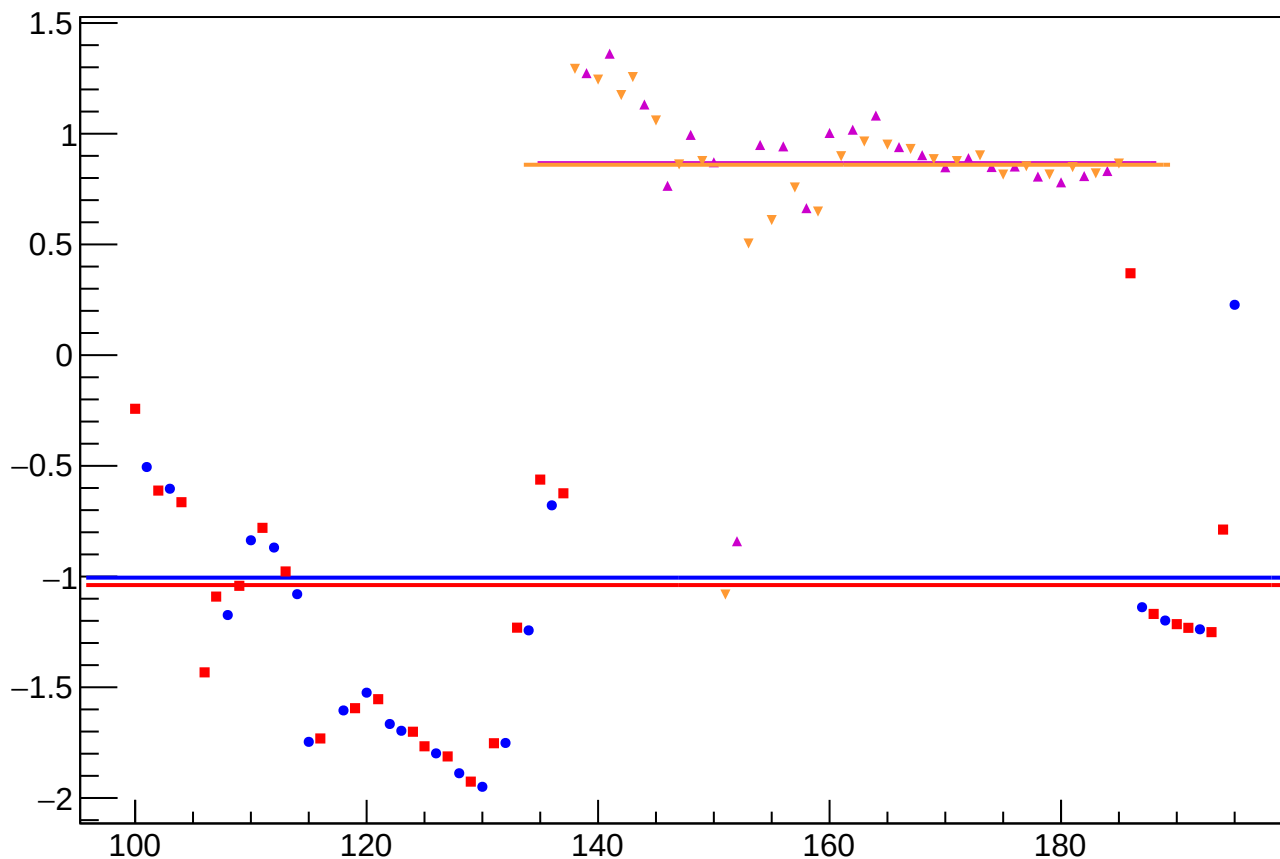
Left In: 0.011+/-0.000 χ^2/NDF :1264827.0/22

+ sign 0.012+/-0.000 χ^2/NDF : 1945679.1/45

All: 0.012+/-0.000 χ^2/NDF : 3985840.4/93

- sign 0.011+/-0.000 χ^2/NDF : 2035600.8/47

yield_bpm1i06Y_mean vs Slug



Right In: -1.005+/-0.000 χ^2 /NDF: 87746111911.8/20

Left Out: 0.860+/-0.000 χ^2 /NDF:126335891175.4/24

Right Out: -1.038+/-0.000 χ^2 /NDF: 65038959210.1/24

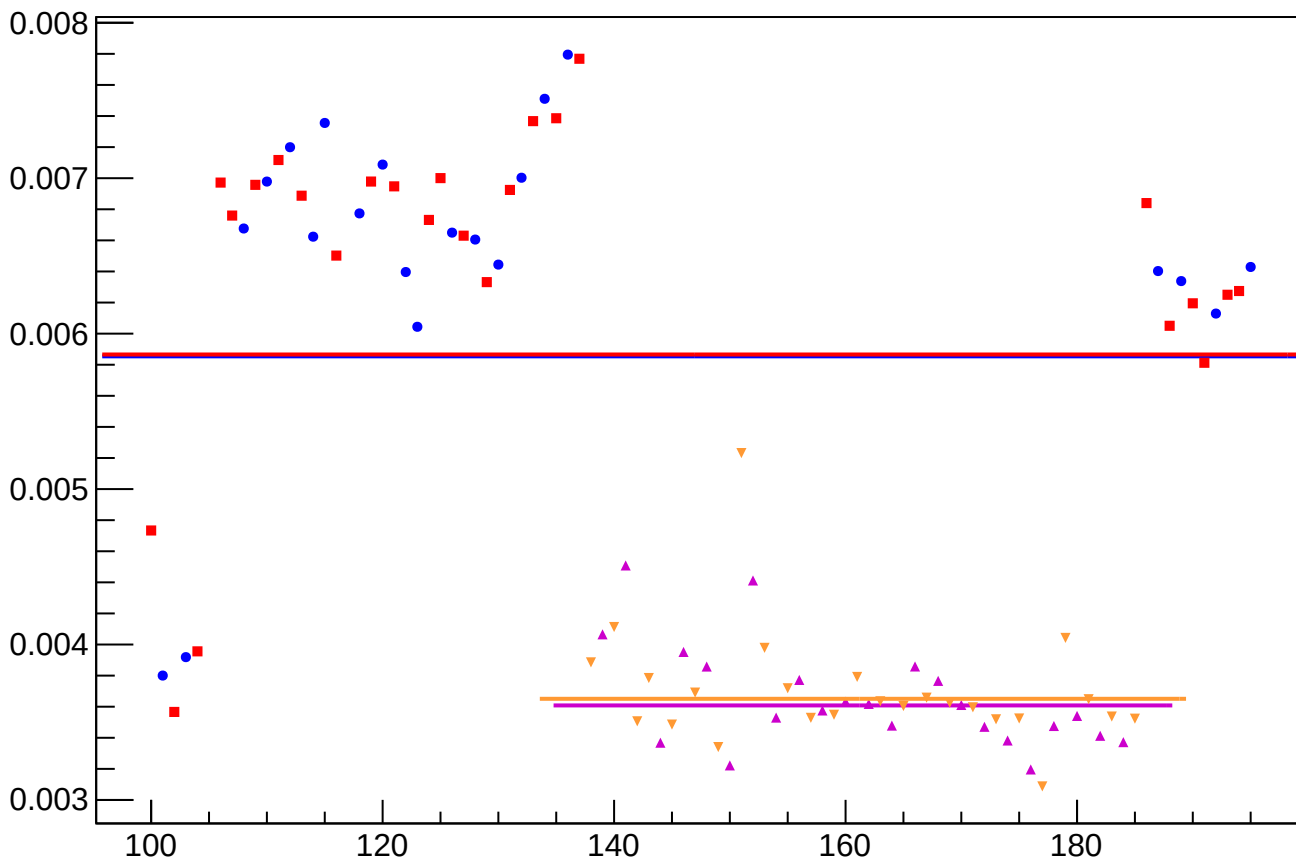
Left In: 0.867+/-0.000 χ^2 /NDF:147039402944.6/22

+ sign 0.562+/-0.000 χ^2 /NDF: 910347243196.3/45

All: 0.538+/-0.000 χ^2 /NDF: 1937852604537.

- 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: 868538.1/20

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

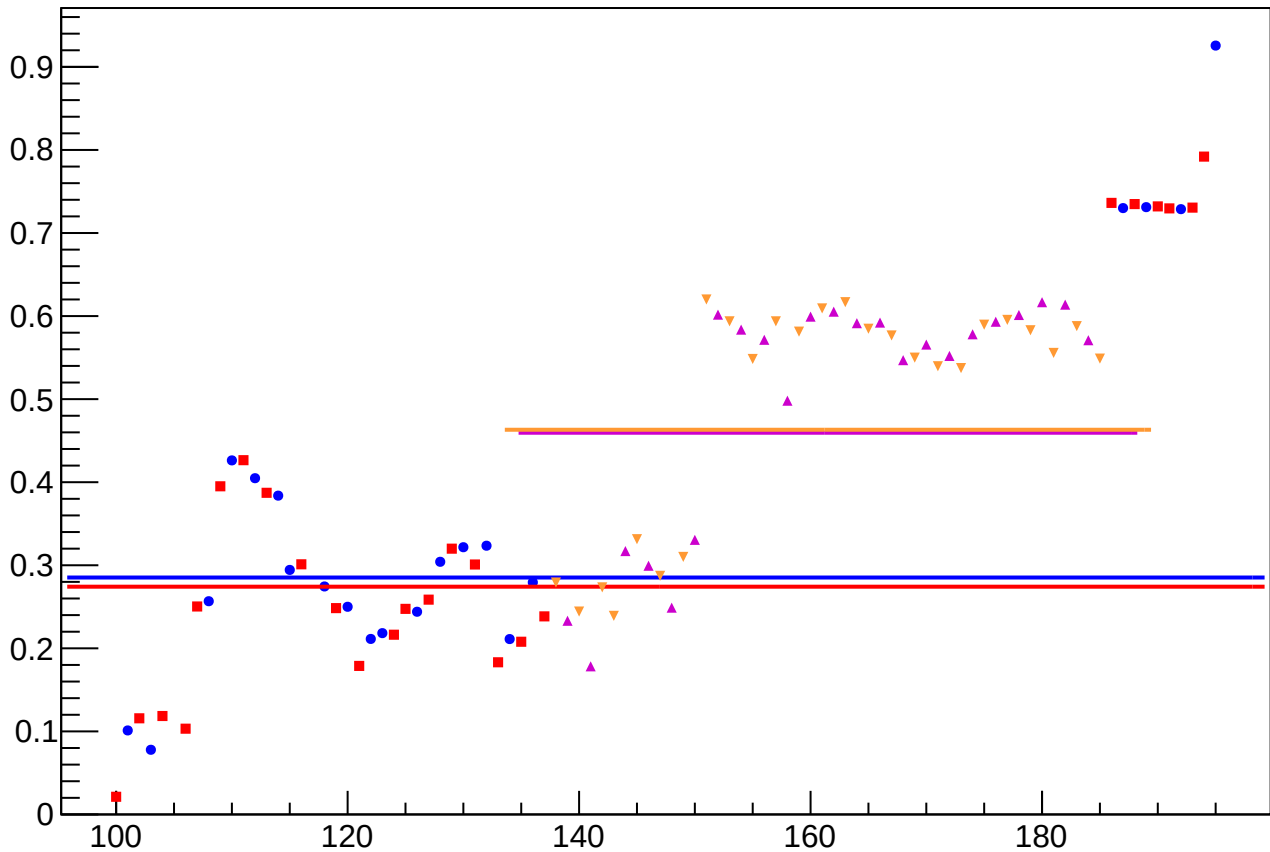
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:227861.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 3049598.5/45

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 6523491.5/93

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 3473000.9/47

yield_bpm2i01X_mean vs Slug



Right In: 0.285 $\pm$ 0.000 χ^2 /NDF: 61580539038.1/20

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

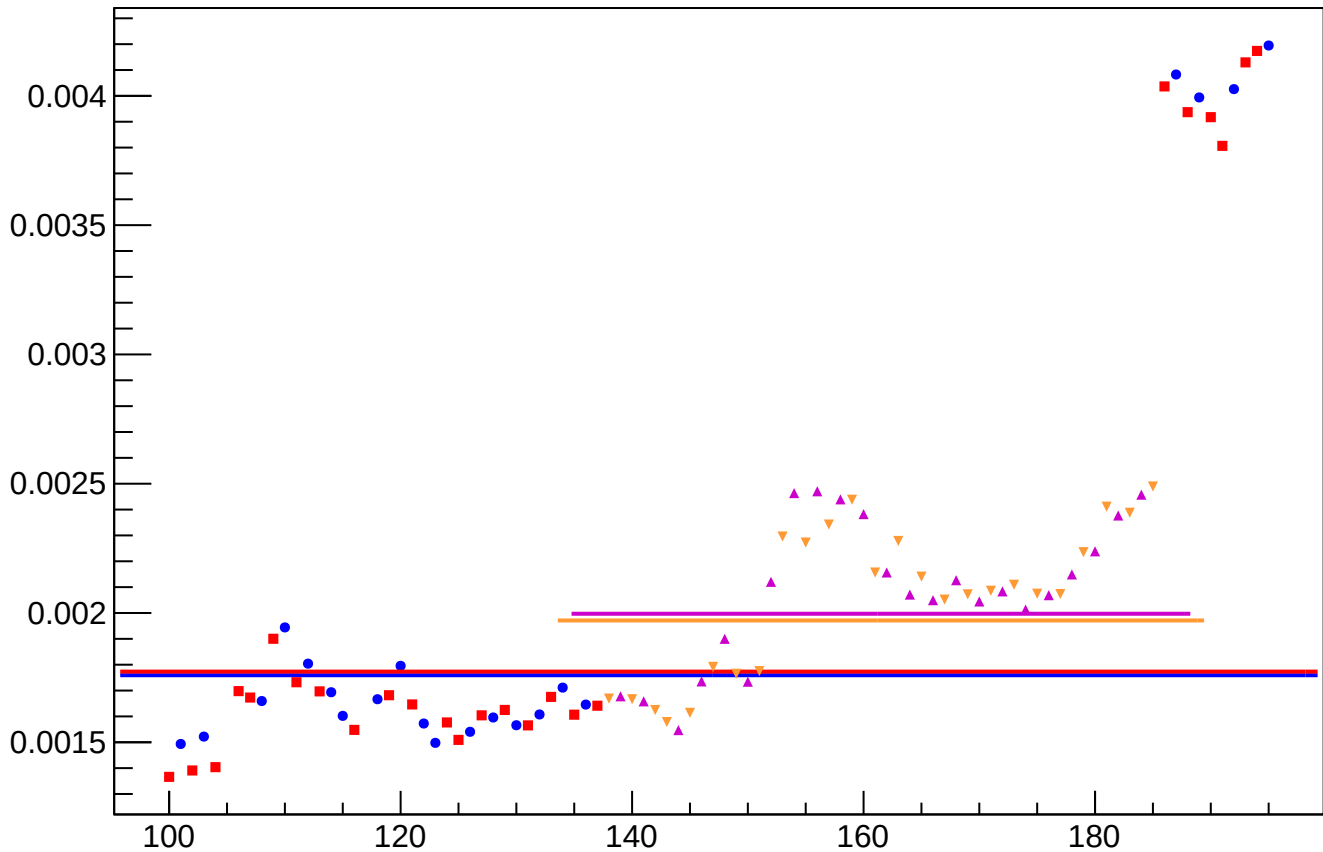
Left In: 0.460 $\pm$ 0.000 χ^2 /NDF:104559088628.4/22

+ sign 0.399 $\pm$ 0.000 χ^2 /NDF: 216346929799.8/45

All: 0.391 $\pm$ 0.000 χ^2 /NDF: 458068599473.2

- 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: 1672493.7/20

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

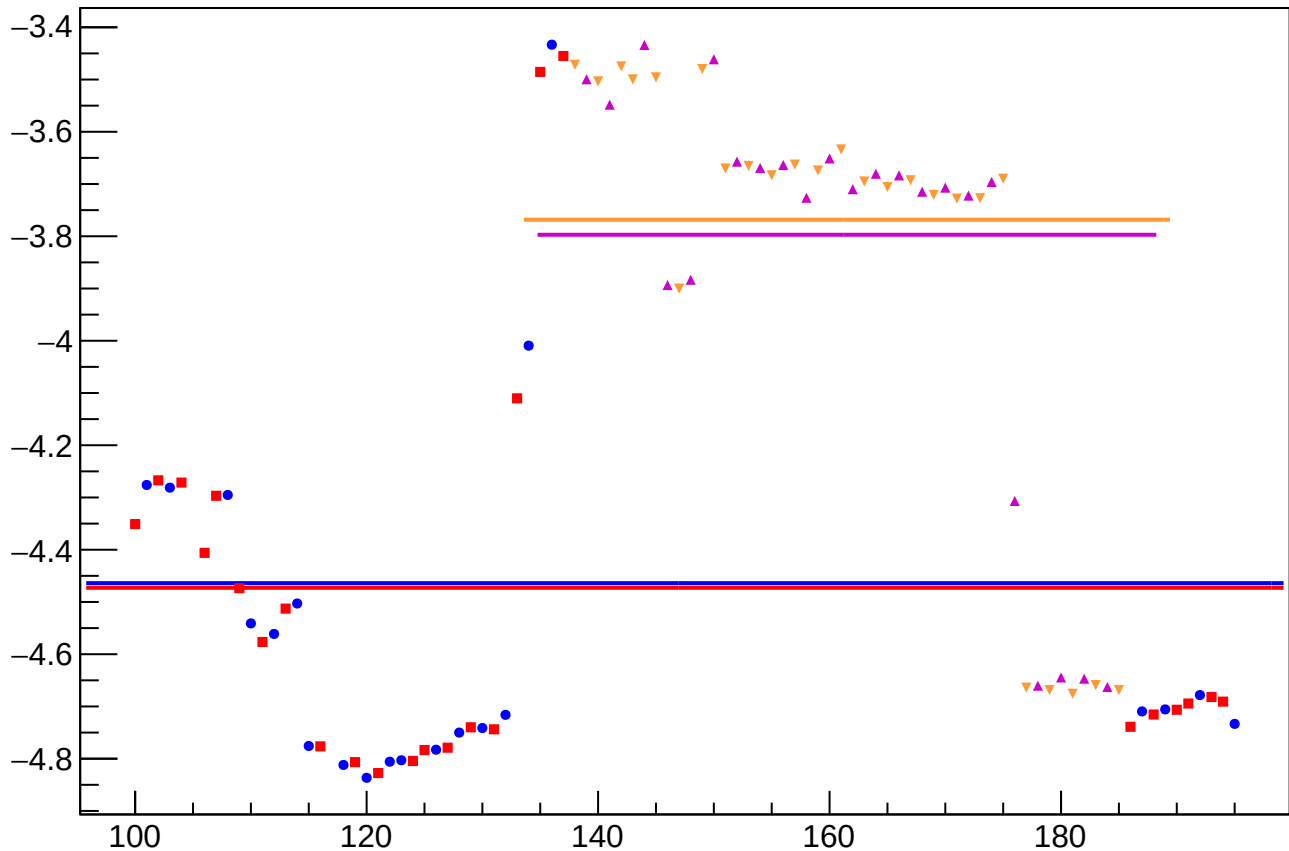
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:666404.2/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2550901.8/45

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5801850.2/93

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3250196.7/47

yield_bpm2i01Y_mean vs Slug



Right In: -4.464 $\pm$ 0.000 χ^2 /NDF: 407455802808.3/20

Left Out: -3.768 $\pm$ 0.000 χ^2 /NDF: 516780173940.8/24

Right Out: -4.473 $\pm$ 0.000 χ^2 /NDF: 345991679318.7/24

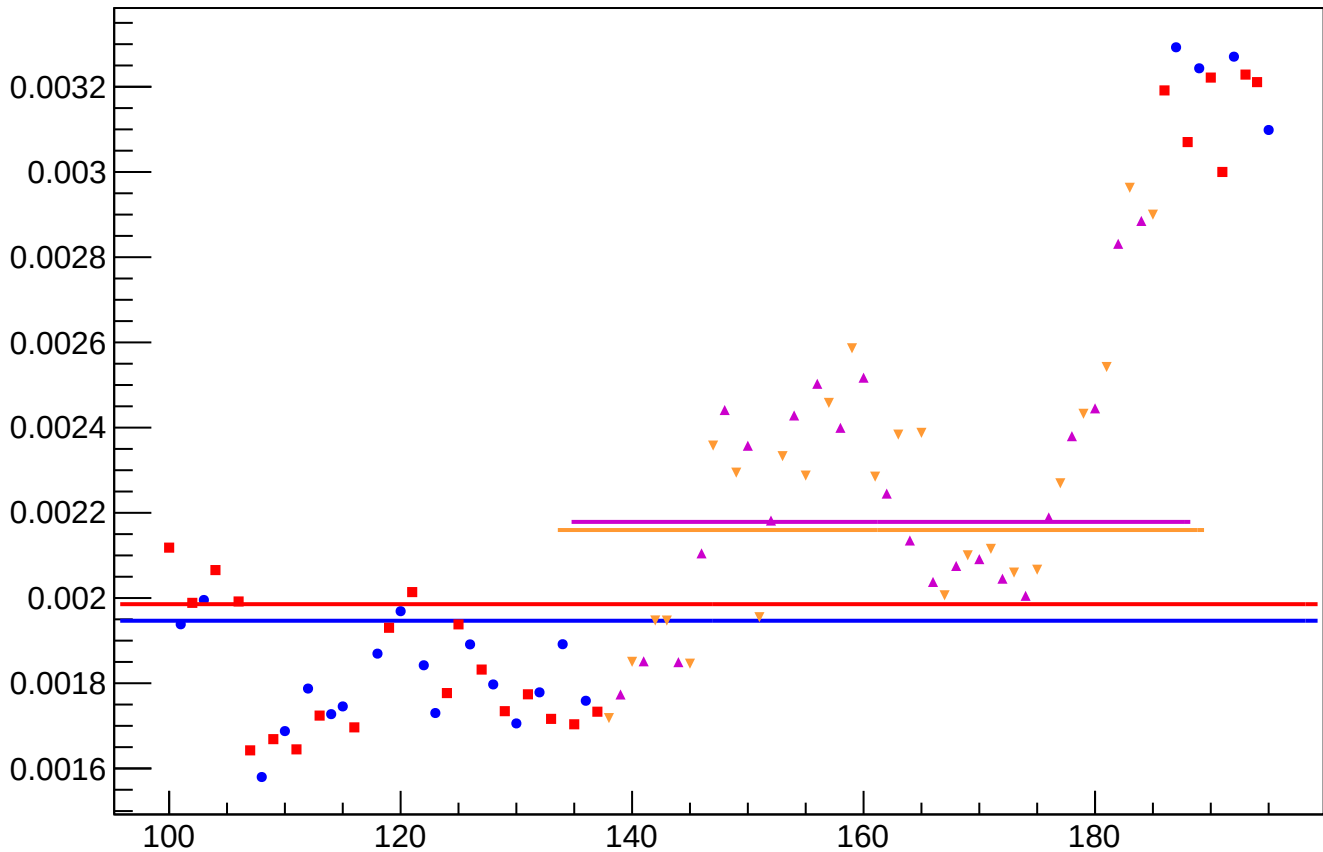
Left In: -3.797 $\pm$ 0.000 χ^2 /NDF: 444886272608.9/22

+ sign -4.024 $\pm$ 0.000 χ^2 /NDF: 1603282716185.9/4

All: -4.049 $\pm$ 0.000 χ^2 /NDF: 3065475045575

- sign -4.074 $\pm$ 0.000 χ^2 /NDF: 1454750579713.1/4

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 845531.9/20

Left Out: 0.002+/-0.000 χ^2/NDF :547831.5/24

Right Out: 0.002+/-0.000 χ^2/NDF : 1172041.1/24

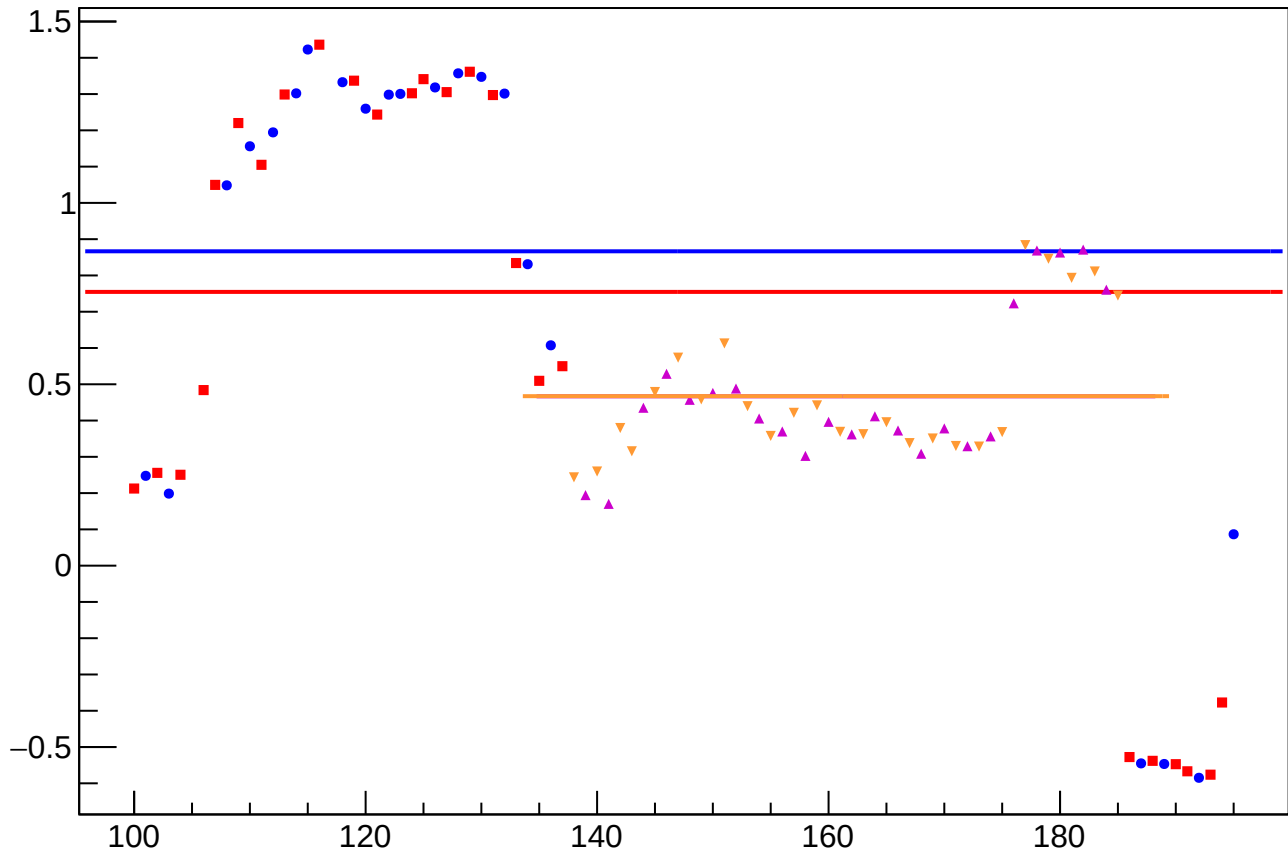
Left In: 0.002+/-0.000 χ^2/NDF :463279.7/22

+ sign 0.002+/-0.000 χ^2/NDF : 1520571.5/45

All: 0.002+/-0.000 χ^2/NDF : 3266375.6/93

- sign 0.002+/-0.000 χ^2/NDF : 1743782.3/47

yield_bpm2i02X_mean vs Slug



Right In: 0.867 $\pm$ 0.000 χ^2 /NDF: 56612502026.2/20

Left Out: 0.467 $\pm$ 0.000 χ^2 /NDF: 7359344143.3/24

+ sign 0.629 $\pm$ 0.000 χ^2 /NDF: 77513283388.2/45

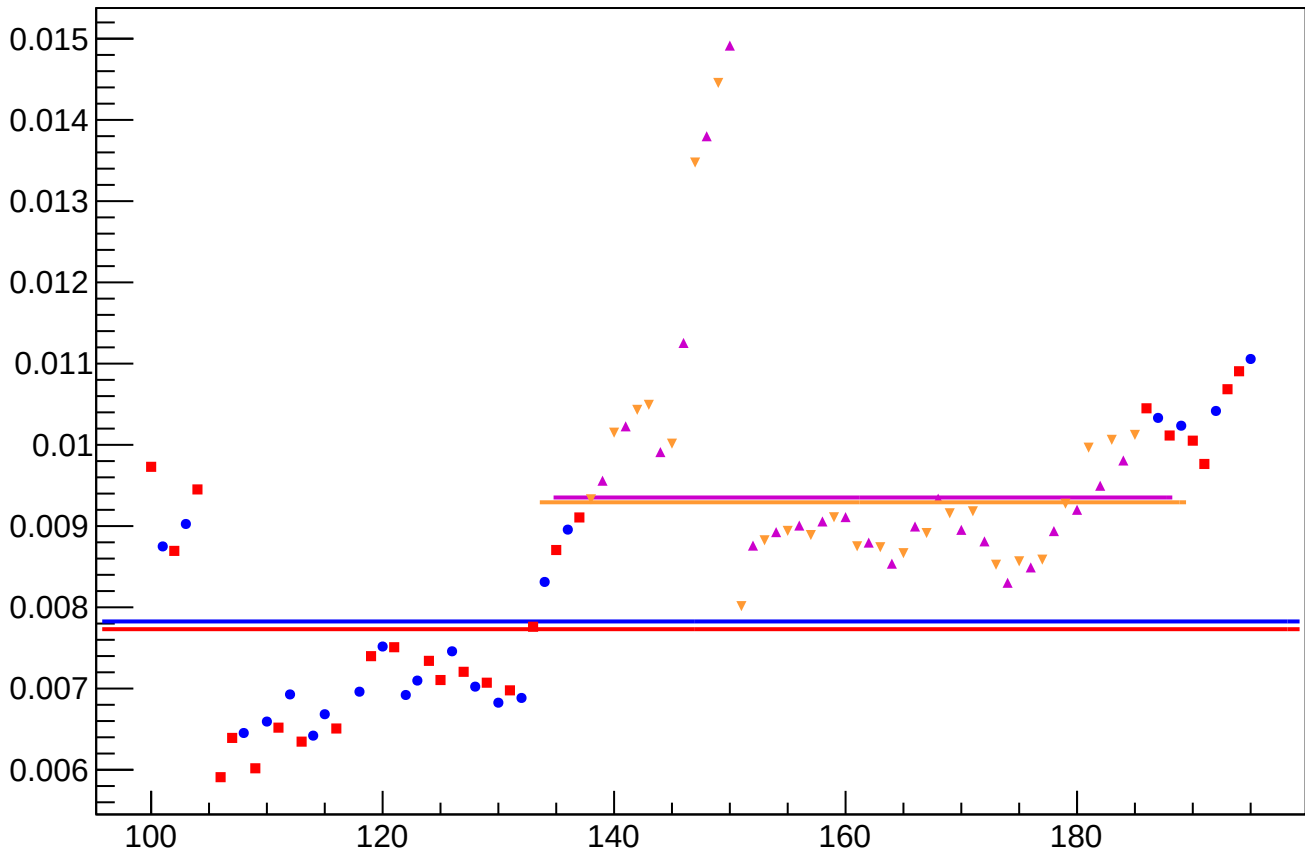
Right Out: 0.755 $\pm$ 0.000 χ^2 /NDF: 82258497818.0/24

All: 0.615 $\pm$ 0.000 χ^2 /NDF: 175445182953.7

- 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 : 560982.0/20

Left Out: 0.009+/-0.000 χ^2/NDF : 528279.5/24

Right Out: 0.008+/-0.000 χ^2/NDF : 825969.4/24

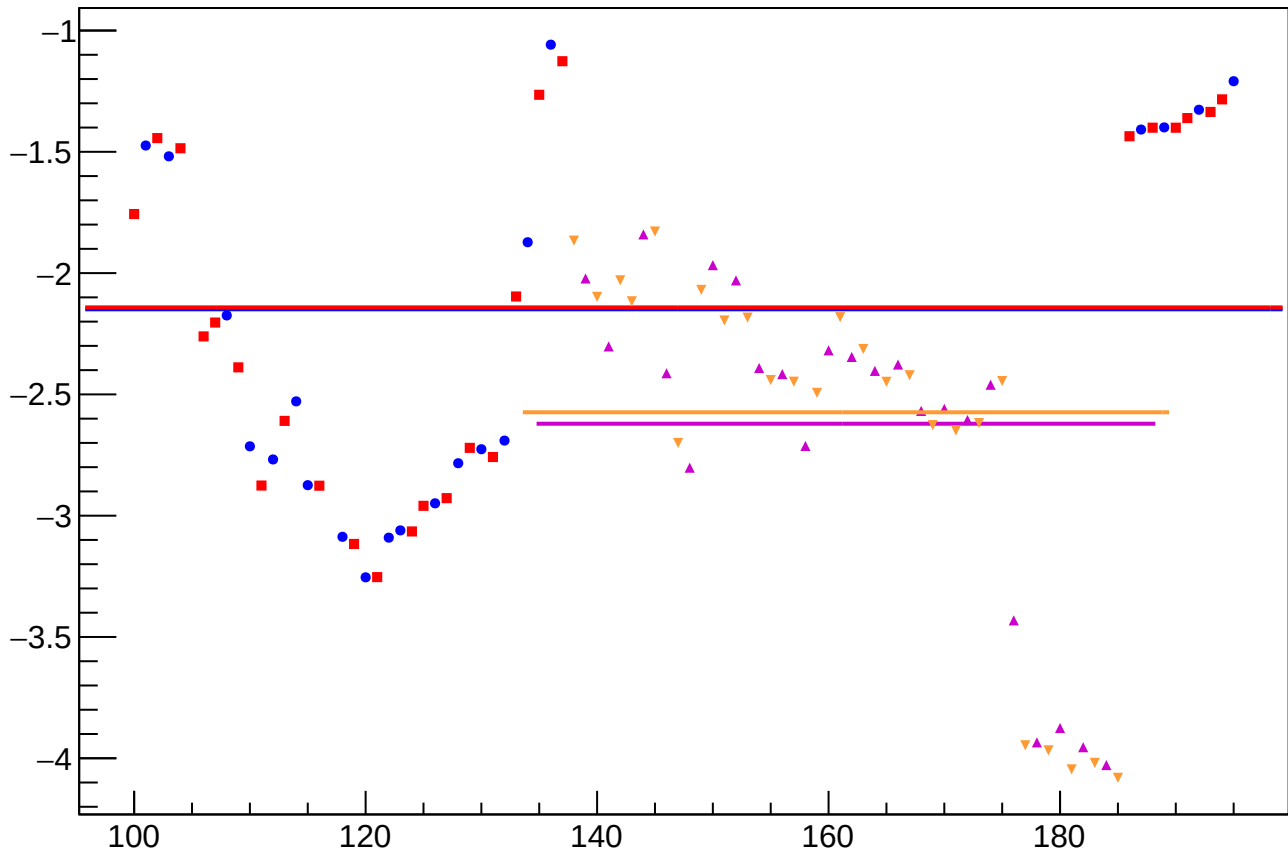
Left In: 0.009+/-0.000 χ^2/NDF : 557555.2/22

+ sign 0.009+/-0.000 χ^2/NDF : 1454587.6/45

All: 0.009+/-0.000 χ^2/NDF : 3316728.3/93

- sign 0.009+/-0.000 χ^2/NDF : 1858623.3/47

yield_bpm2i02Y_mean vs Slug



Right In: -2.149 ± 0.000 χ^2/NDF : 95394336417.4/20

Left Out: -2.574 ± 0.000 χ^2/NDF : 99176112704.9/24

Right Out: -2.141 ± 0.000 χ^2/NDF : 93184101332.5/24

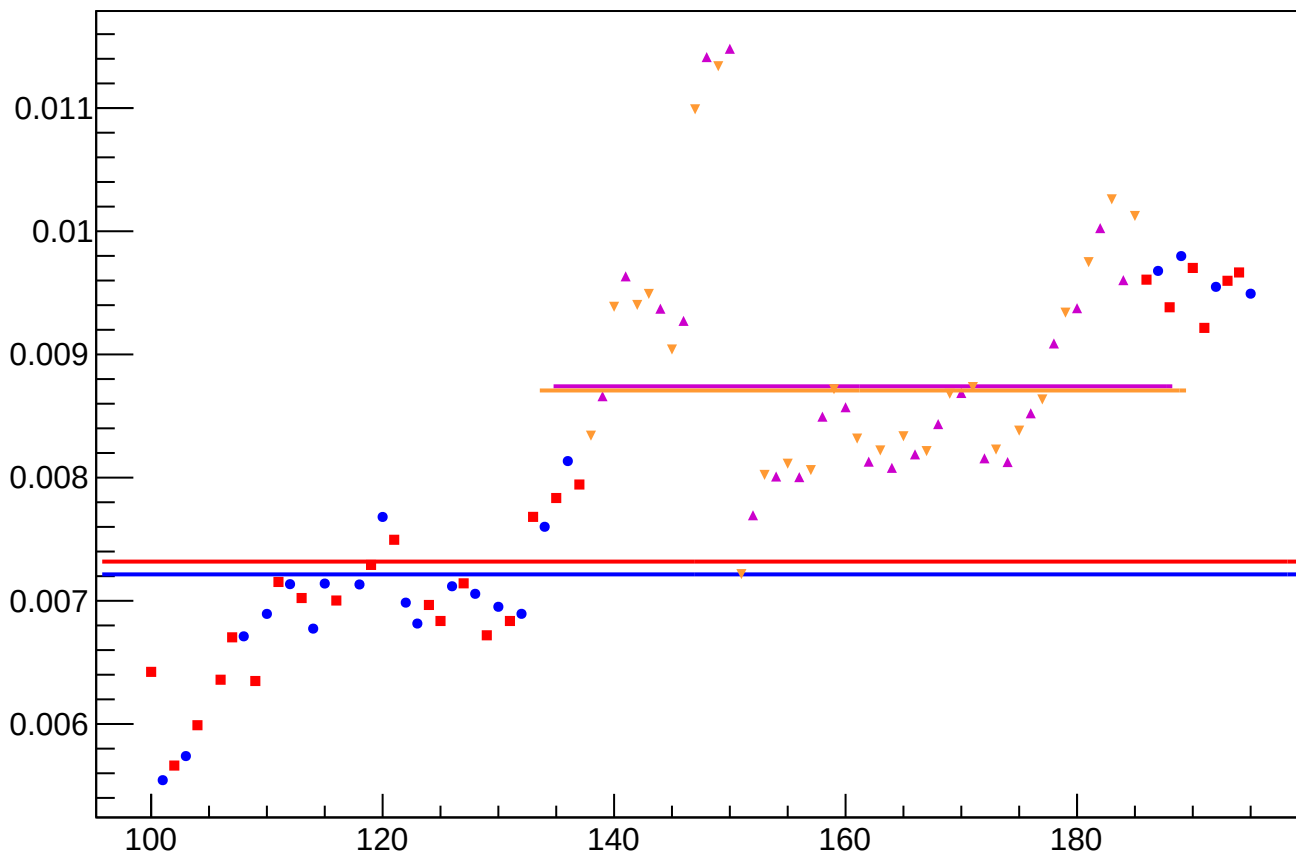
Left In: -2.621 ± 0.000 χ^2/NDF : 80862402796.4/22

+ sign -2.398 ± 0.000 χ^2/NDF : 212438333774.6/45

All: -2.399 ± 0.000 χ^2/NDF : 410215196021.4

- sign -2.400 ± 0.000 χ^2/NDF : 197775873491.4/47

yield_bpm2i02Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 506255.1/20

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

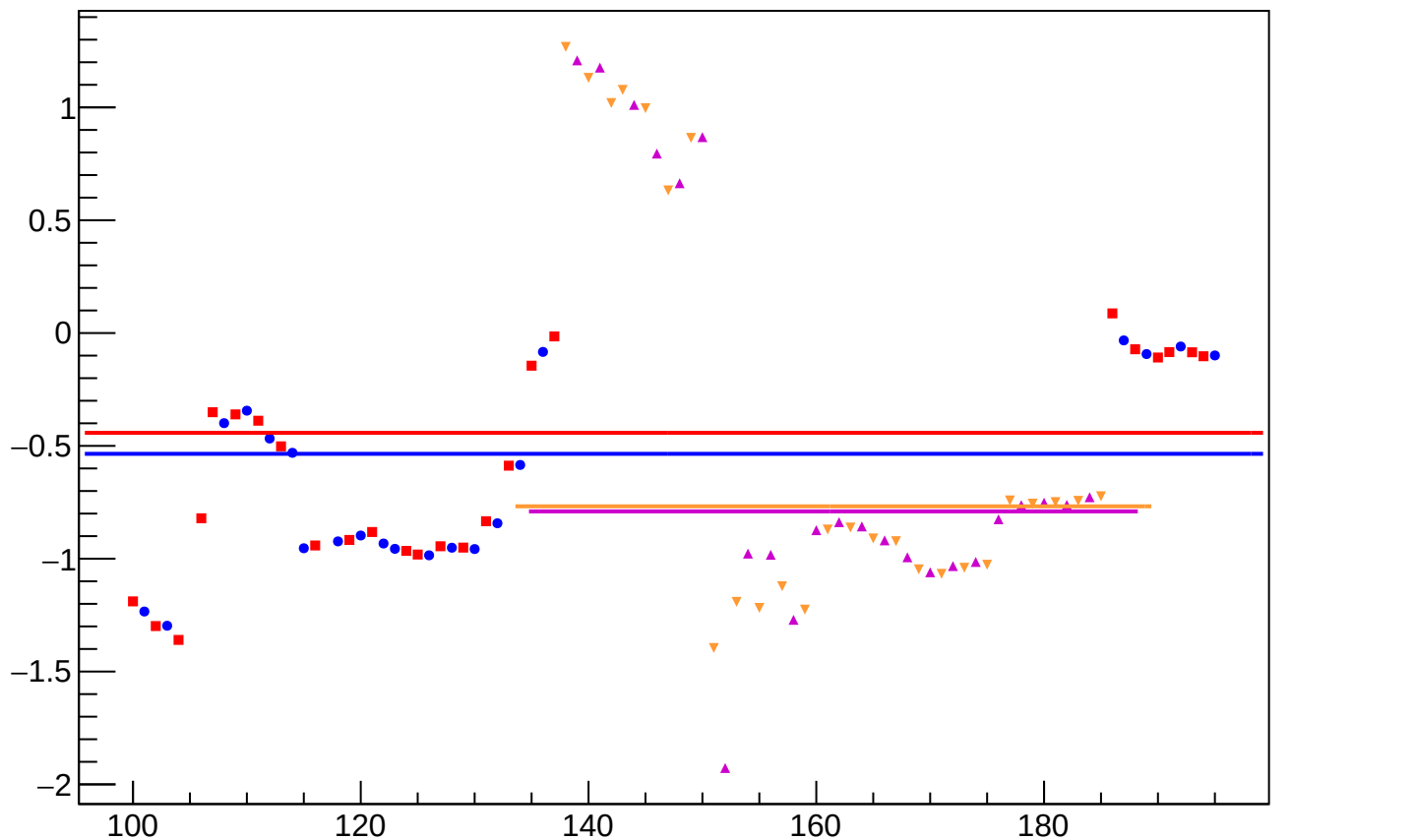
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:353750.0/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1317489.1/45

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2676938.8/93

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1359445.6/47

yield_bpm0i01X_mean vs Slug



Right In: -0.535 ± 0.000 $\chi^2/\text{NDF}: 19217566117.8/20$

Left Out: -0.768 ± 0.000 $\chi^2/\text{NDF}: 120774855982.9/24$

Right Out: -0.442 ± 0.000 $\chi^2/\text{NDF}: 23228260715.2/24$

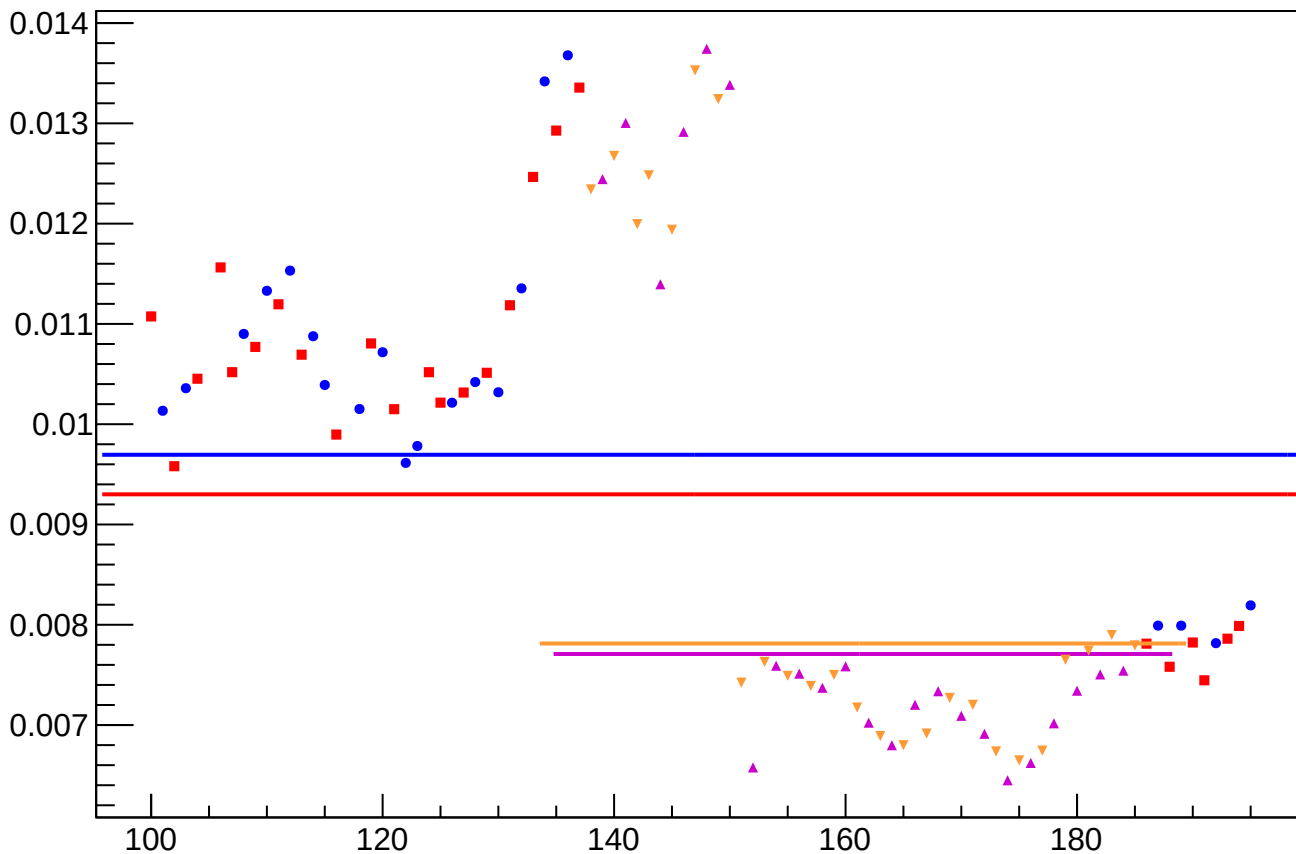
Left In: -0.790 ± 0.000 $\chi^2/\text{NDF}: 123452478408.2/22$

+ sign -0.710 ± 0.000 $\chi^2/\text{NDF}: 143759928601.7/45$

All: -0.698 ± 0.000 $\chi^2/\text{NDF}: 300395811521.4$

- sign -0.686 ± 0.000 $\chi^2/\text{NDF}: 156527116764.4/47$

yield_bpm0i01X_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 475120.1/20

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

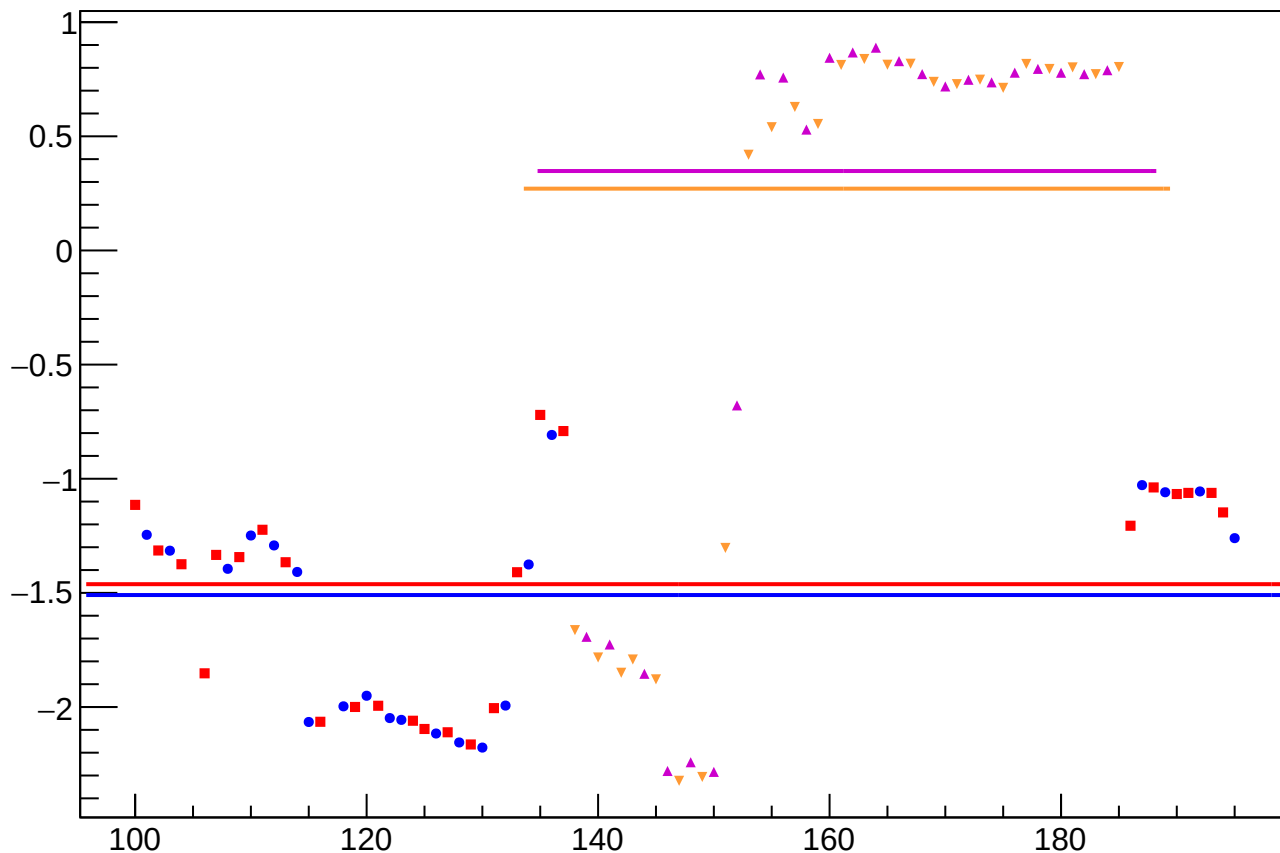
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:1746653.6/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2674302.2/45

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 5442355.6/93

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2764661.2/47

yield_bpm0i01Y_mean vs Slug



Right In: -1.509+/-0.000 χ^2/NDF : 170816819243.7/20

Left Out: 0.271+/-0.000 χ^2/NDF : 2583233987355.9/24

Right Out: -1.462+/-0.000 χ^2/NDF : 162230554232.5/24

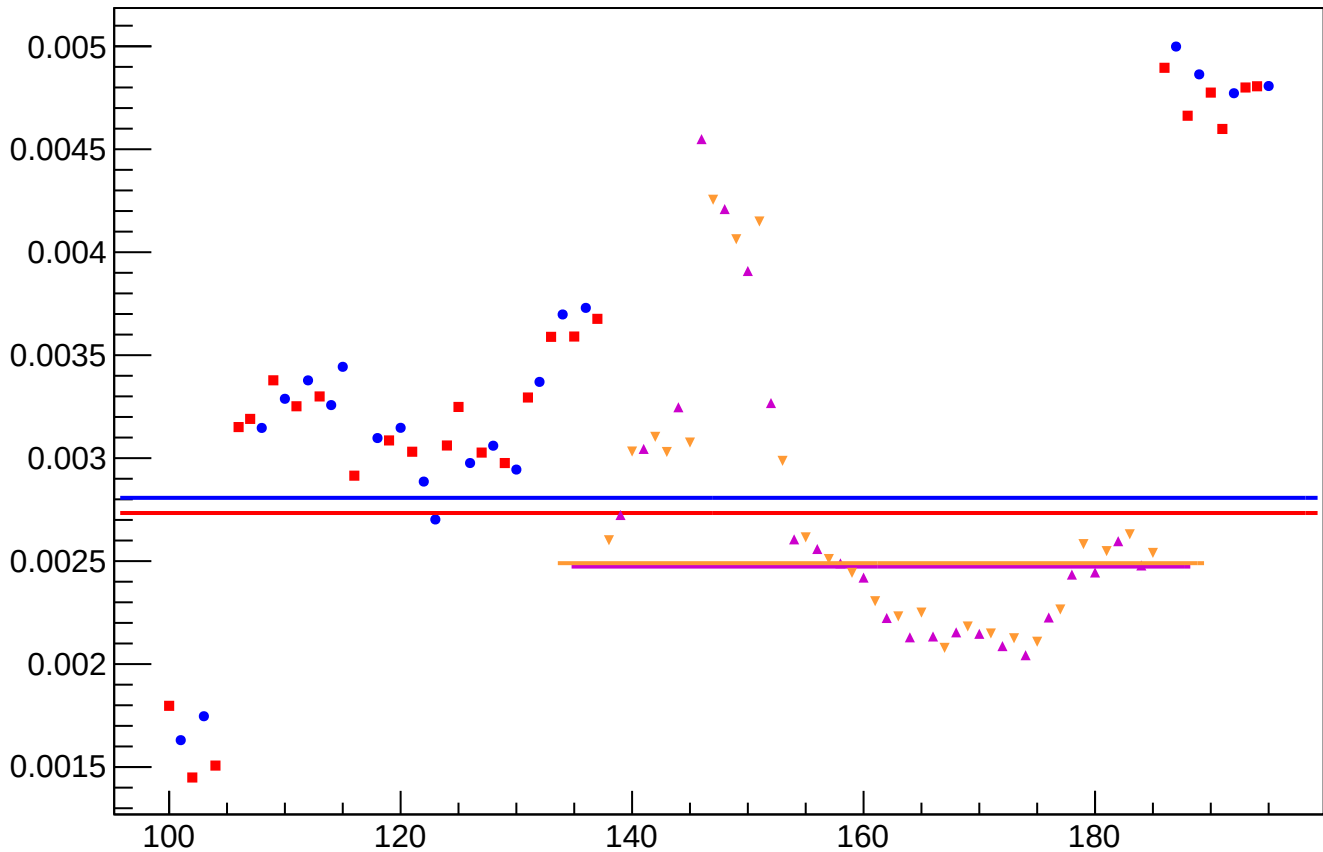
Left In: 0.348+/-0.000 χ^2/NDF : 2274004426513.8/22

+ sign -0.202+/-0.000 χ^2/NDF : 4961044499746.5/4

All: -0.207+/-0.000 χ^2/NDF : 9916198617506

- 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: 1901434.5/20

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

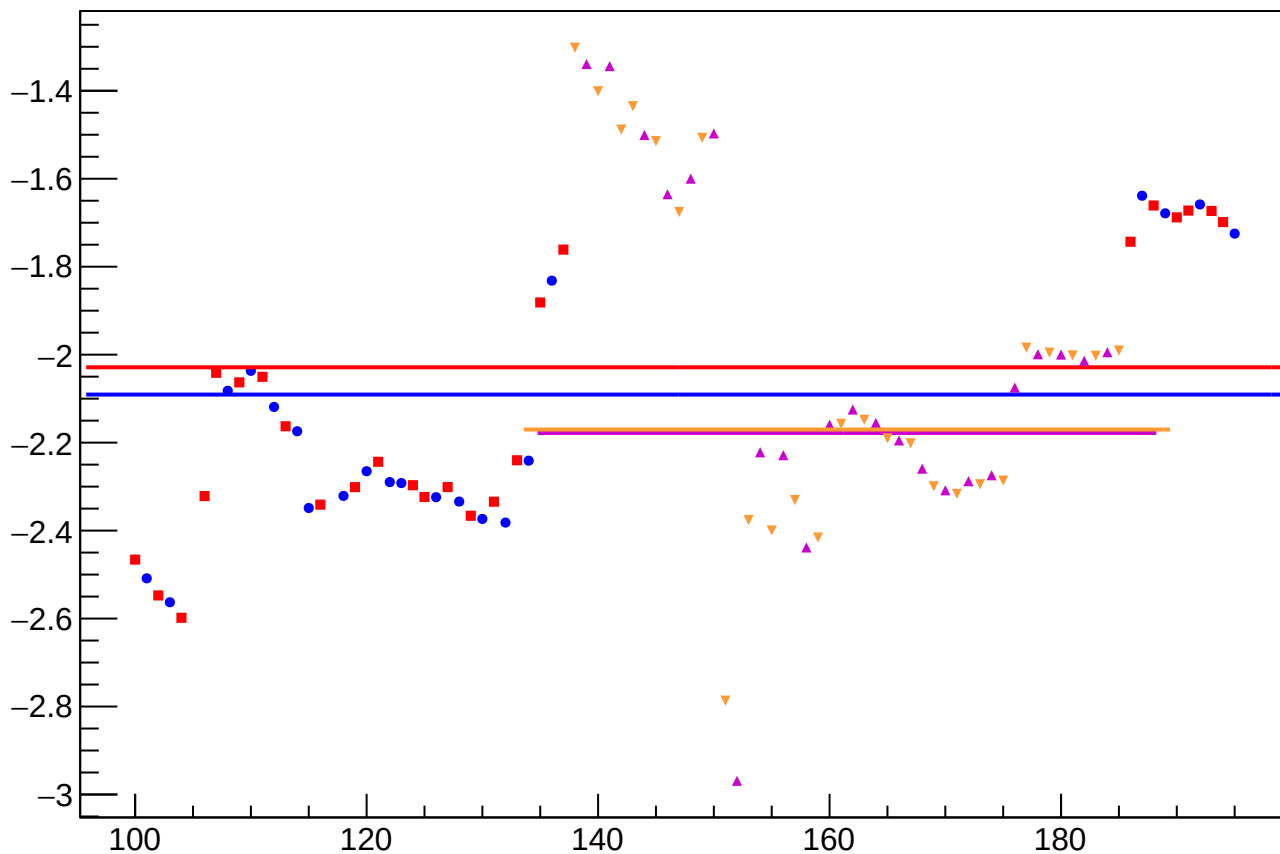
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1135279.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 3111903.0/45

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 7249467.6/93

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 4136089.9/47

yield_bpm0i01aX_mean vs Slug



Right In: -2.091+/-0.000 χ^2/NDF : 24865320406.1/20

Left Out: -2.170+/-0.000 χ^2/NDF : 59967315241.9/24

Right Out: -2.029+/-0.000 χ^2/NDF : 31021843594.3/24

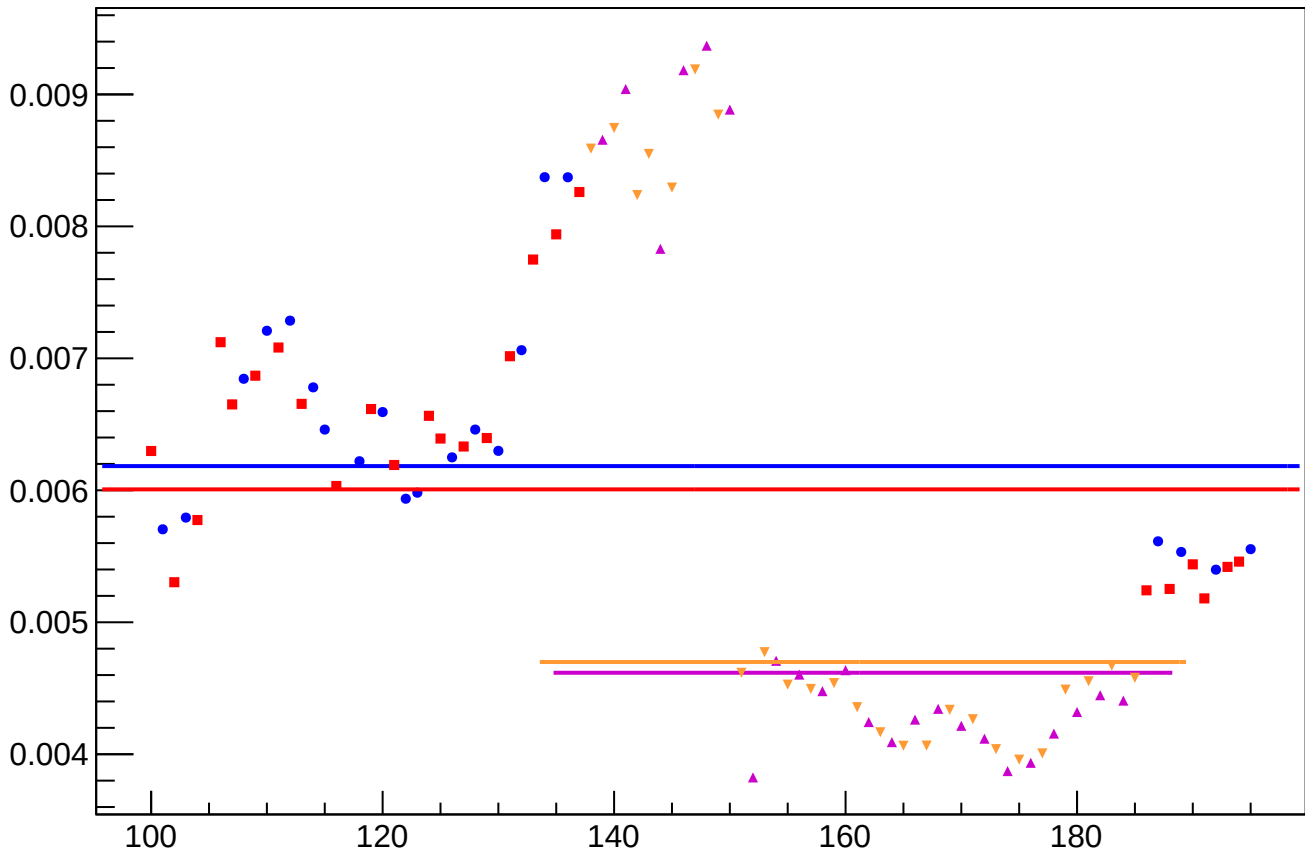
Left In: -2.178+/-0.000 χ^2/NDF : 73402051113.3/22

+ sign -2.152+/-0.000 χ^2/NDF : 85936741508.7/45

All: -2.144+/-0.000 χ^2/NDF : 194974918139.5

- 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 : 286363.7/20

Left Out: 0.005+/-0.000 χ^2/NDF :2319588.7/24

Right Out: 0.006+/-0.000 χ^2/NDF : 346058.6/24

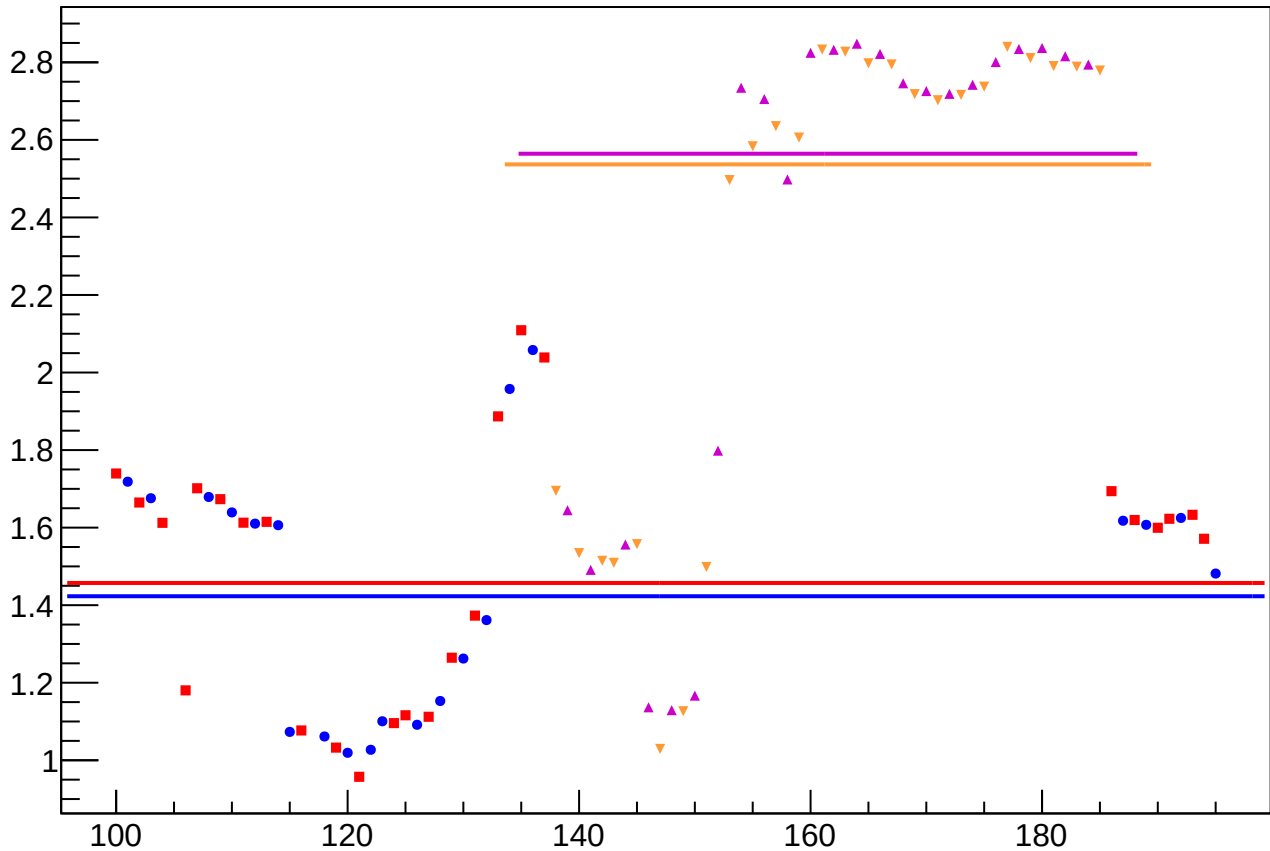
Left In: 0.005+/-0.000 χ^2/NDF :2367440.9/22

+ sign 0.005+/-0.000 χ^2/NDF : 3375748.2/45

All: 0.005+/-0.000 χ^2/NDF : 6871030.1/93

- sign 0.005+/-0.000 χ^2/NDF : 3493541.6/47

yield_bpm0i01aY_mean vs Slug



Right In: 1.423 $\pm$ 0.000 χ^2/NDF : 174053176504.3/20

Left Out: 2.537 $\pm$ 0.000 χ^2/NDF : 269554948115.3/24

Right Out: 1.457 $\pm$ 0.000 χ^2/NDF : 176653741227.2/24

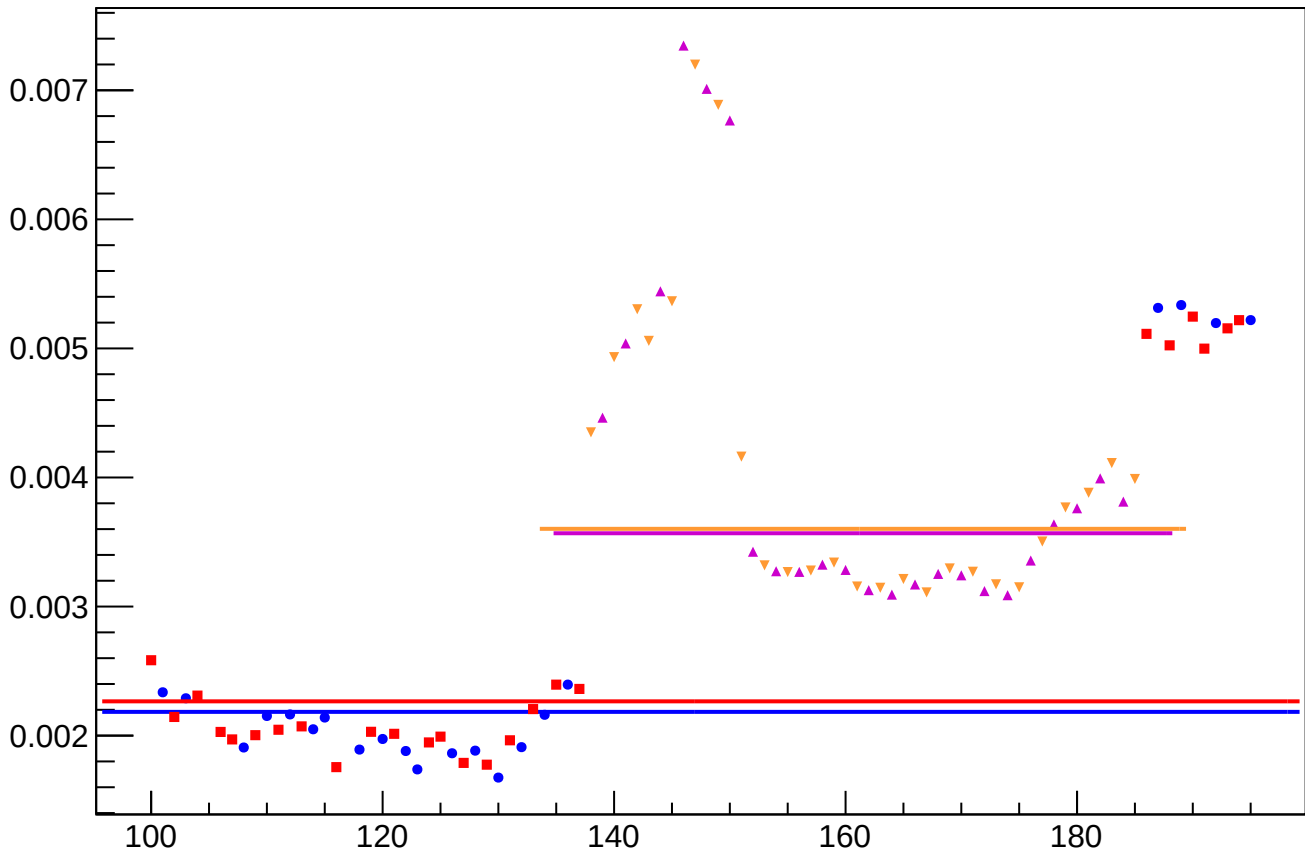
Left In: 2.564 $\pm$ 0.000 χ^2/NDF : 260287937727.8/22

+ sign 1.919 $\pm$ 0.000 χ^2/NDF : 1329376486383.0/45

All: 1.920 $\pm$ 0.000 χ^2/NDF : 2639855260740.0

- sign 1.921 $\pm$ 0.000 χ^2/NDF : 1310475995295.9/47

yield_bpm0i01aY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1827603.0/20

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1410717.8/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 2417296.2/24

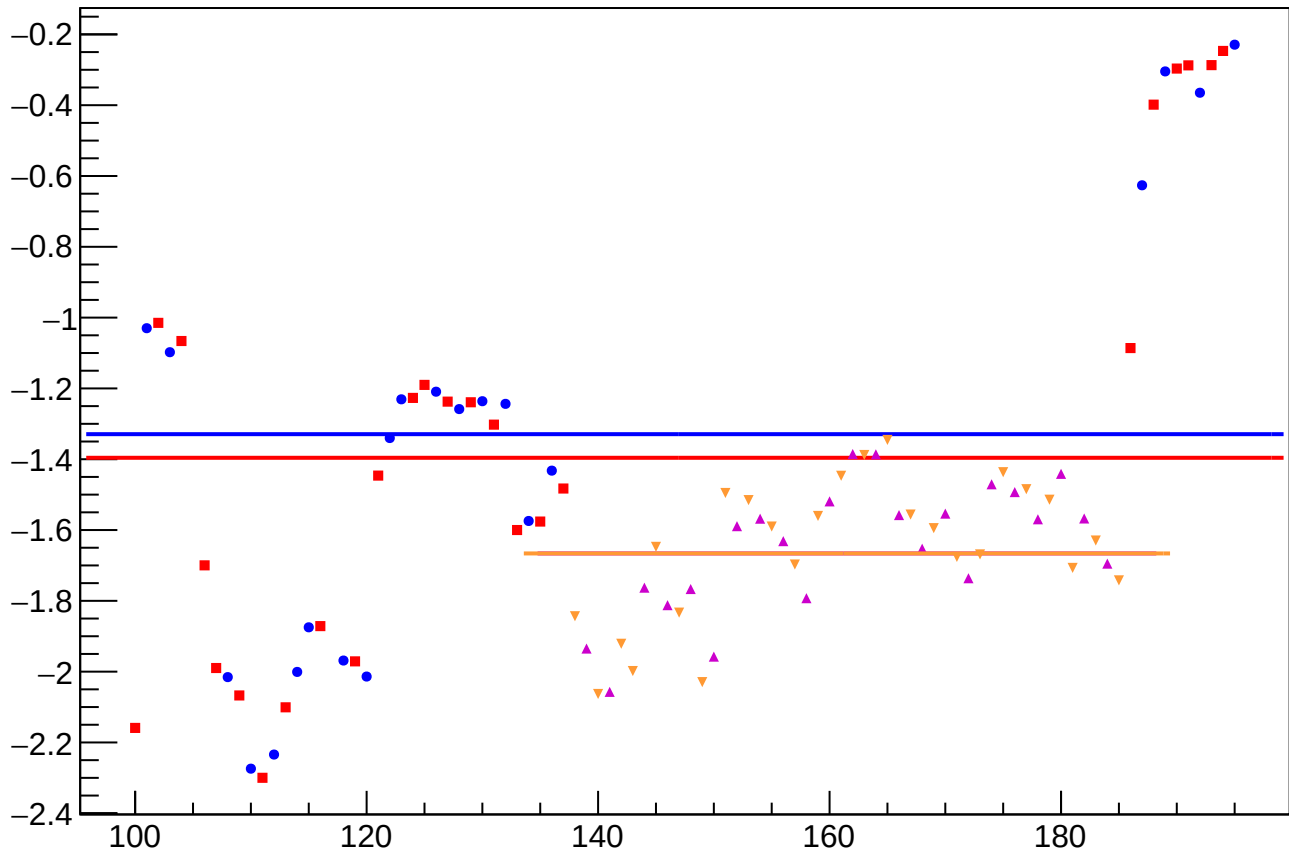
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1563028.0/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 6110755.8/45

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 12509115.2/93

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 6398279.0/47

yield_bpm0l01X_mean vs Slug



Right In: -1.329+/-0.000 χ^2/NDF : 50021005819.8/20

Left Out: -1.666+/-0.000 χ^2/NDF : 18325162131.2/24

Right Out: -1.396+/-0.000 χ^2/NDF : 72152779676.5/24

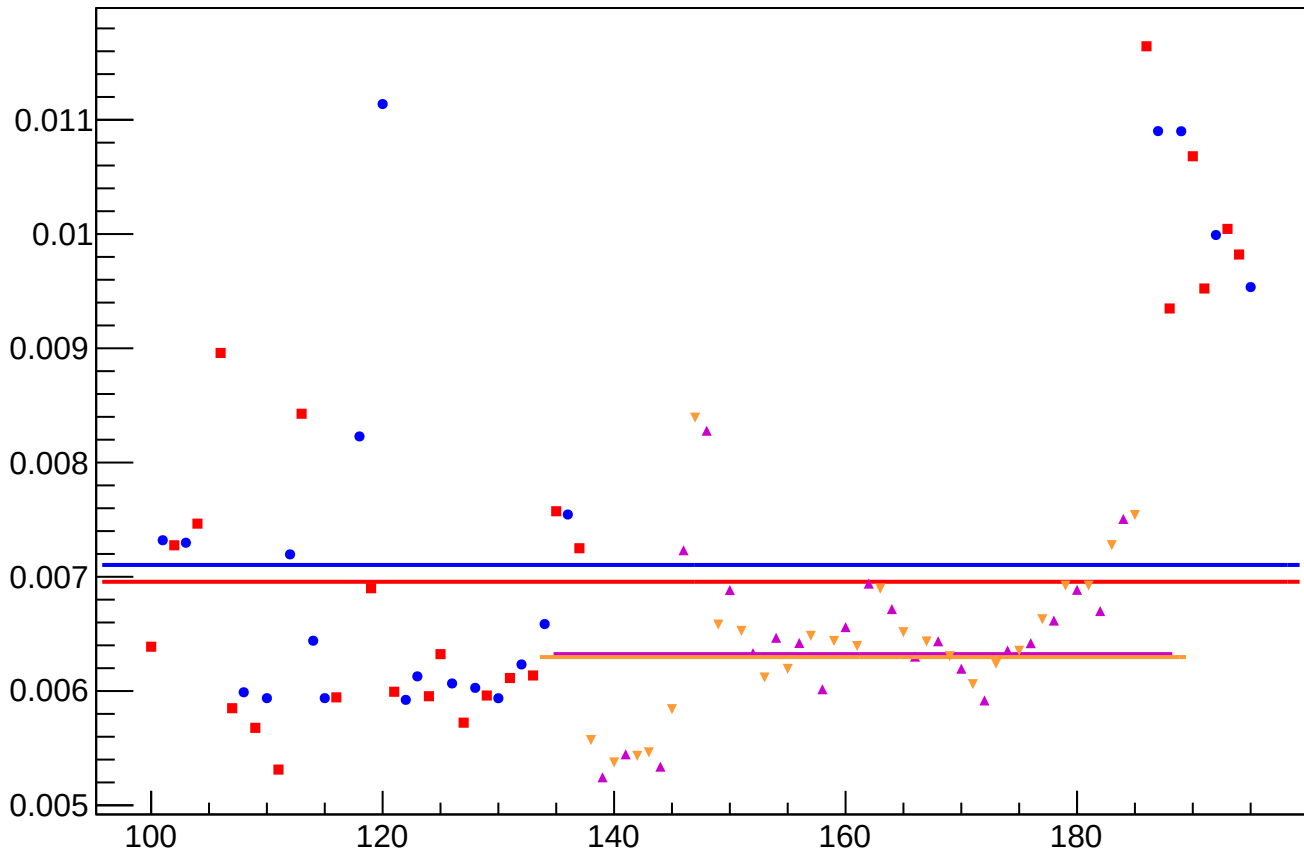
Left In: -1.666+/-0.000 χ^2/NDF : 14292570816.9/22

+ sign -1.576+/-0.000 χ^2/NDF : 81731083800.7/45

All: -1.577+/-0.000 χ^2/NDF : 177890646277.0

- 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 : 690823.3/20

Left Out: 0.006+/-0.000 χ^2/NDF : 310757.0/24

Right Out: 0.007+/-0.000 χ^2/NDF : 966330.5/24

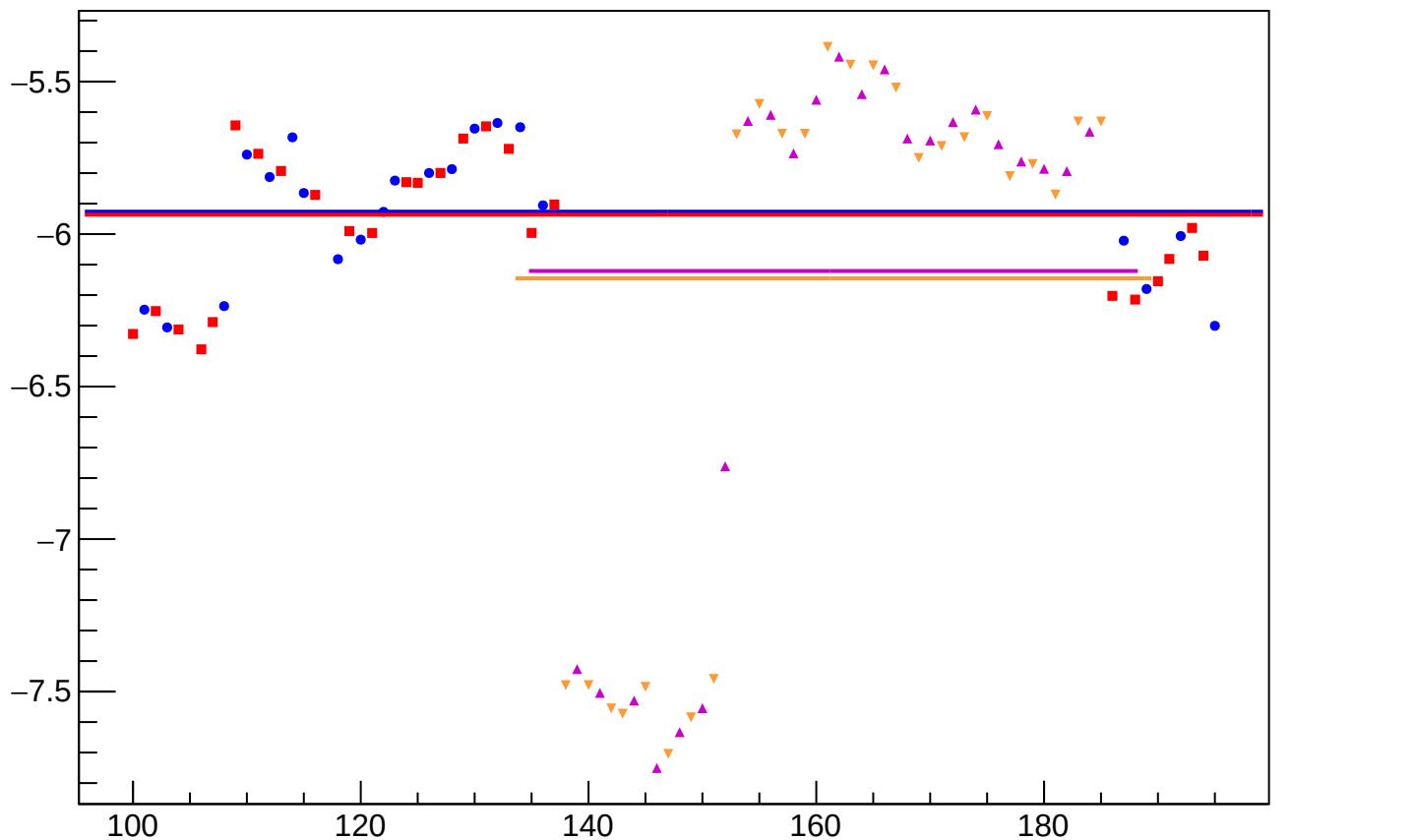
Left In: 0.006+/-0.000 χ^2/NDF : 330859.7/22

+ sign 0.007+/-0.000 χ^2/NDF : 1154949.0/45

All: 0.007+/-0.000 χ^2/NDF : 2558939.4/93

- sign 0.007+/-0.000 χ^2/NDF : 1403843.0/47

yield_bpm0l01Y_mean vs Slug



Right In: -5.926+/-0.000 χ^2/NDF : 12119518006.8/20

Left Out: -6.145+/-0.000 χ^2/NDF : 185364150237.7/24

Right Out: -5.937+/-0.000 χ^2/NDF : 13717296274.3/24

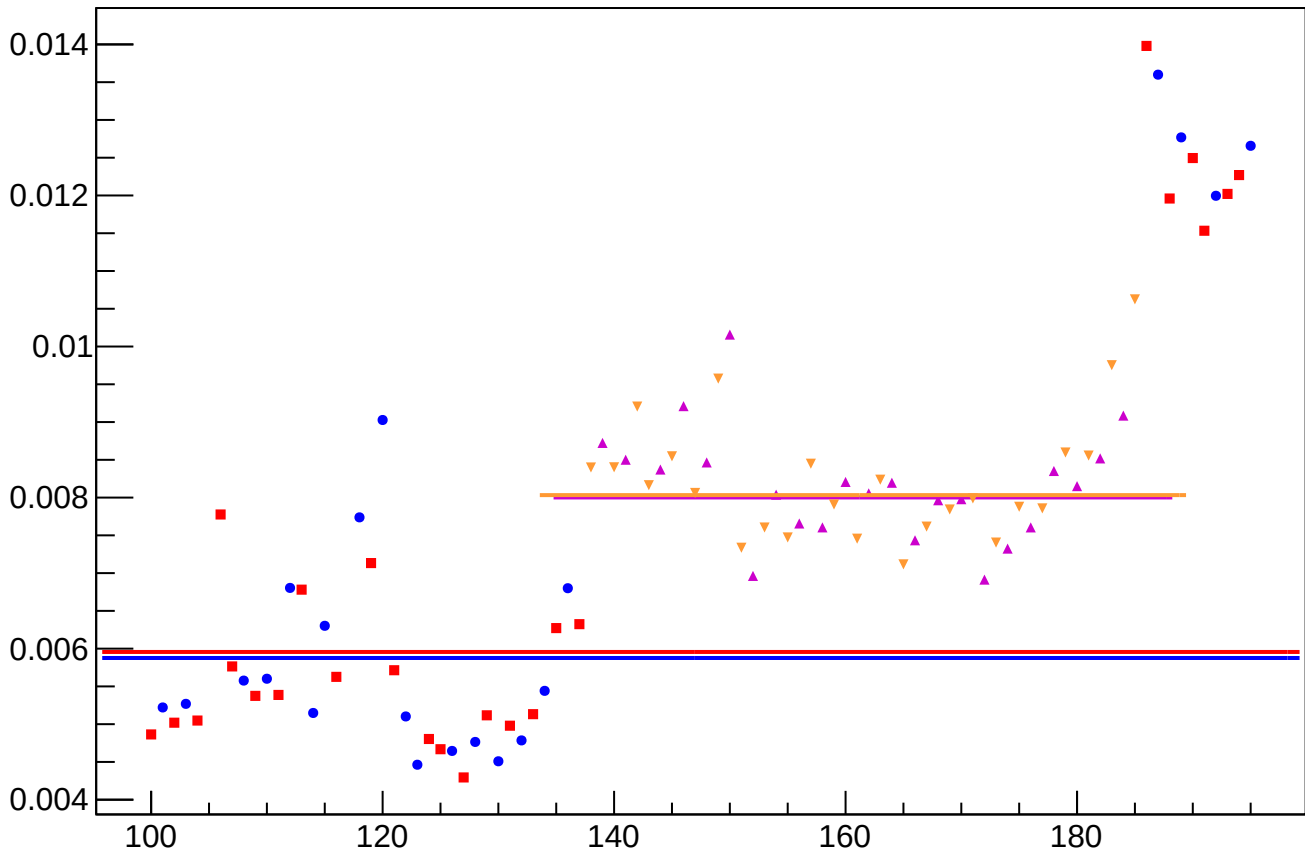
Left In: -6.121+/-0.000 χ^2/NDF : 158315913062.3/22

+ sign -6.045+/-0.000 χ^2/NDF : 203102972775.3/45

All: -6.037+/-0.000 χ^2/NDF : 379377894661.4

- 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 : 1732909.8/20

Left Out: 0.008+/-0.000 χ^2/NDF : 205762.2/24

Right Out: 0.006+/-0.000 χ^2/NDF : 2156398.7/24

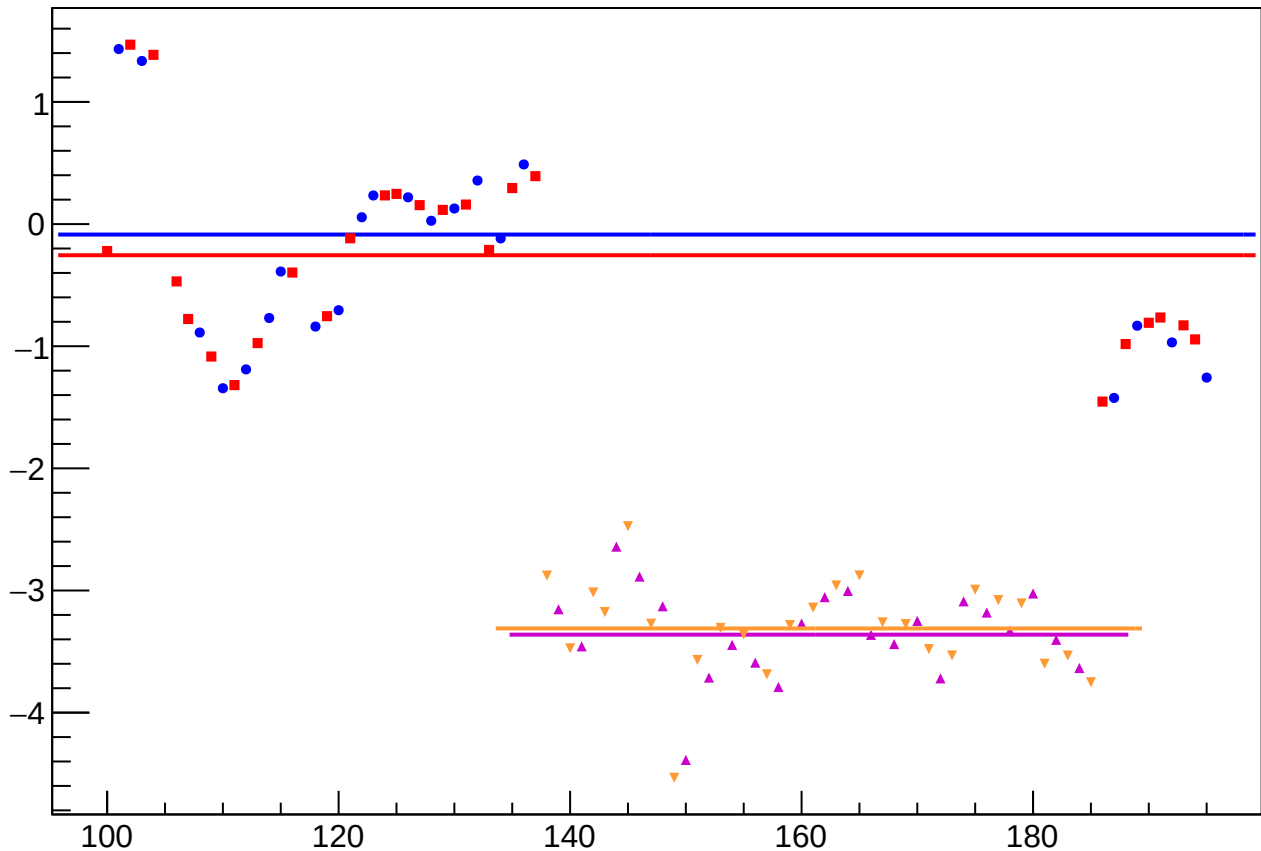
Left In: 0.008+/-0.000 χ^2/NDF : 220756.1/22

+ sign 0.007+/-0.000 χ^2/NDF : 3031862.8/45

All: 0.007+/-0.000 χ^2/NDF : 6438474.9/93

- sign 0.007+/-0.000 χ^2/NDF : 3404650.0/47

yield_bpm0l02X_mean vs Slug



Right In: -0.086+/-0.000 χ^2 /NDF: 26374873631.1/20

Left Out: -3.311+/-0.000 χ^2 /NDF: 9354397456.2/24

Right Out: -0.255+/-0.000 χ^2 /NDF: 28333445118.8/24

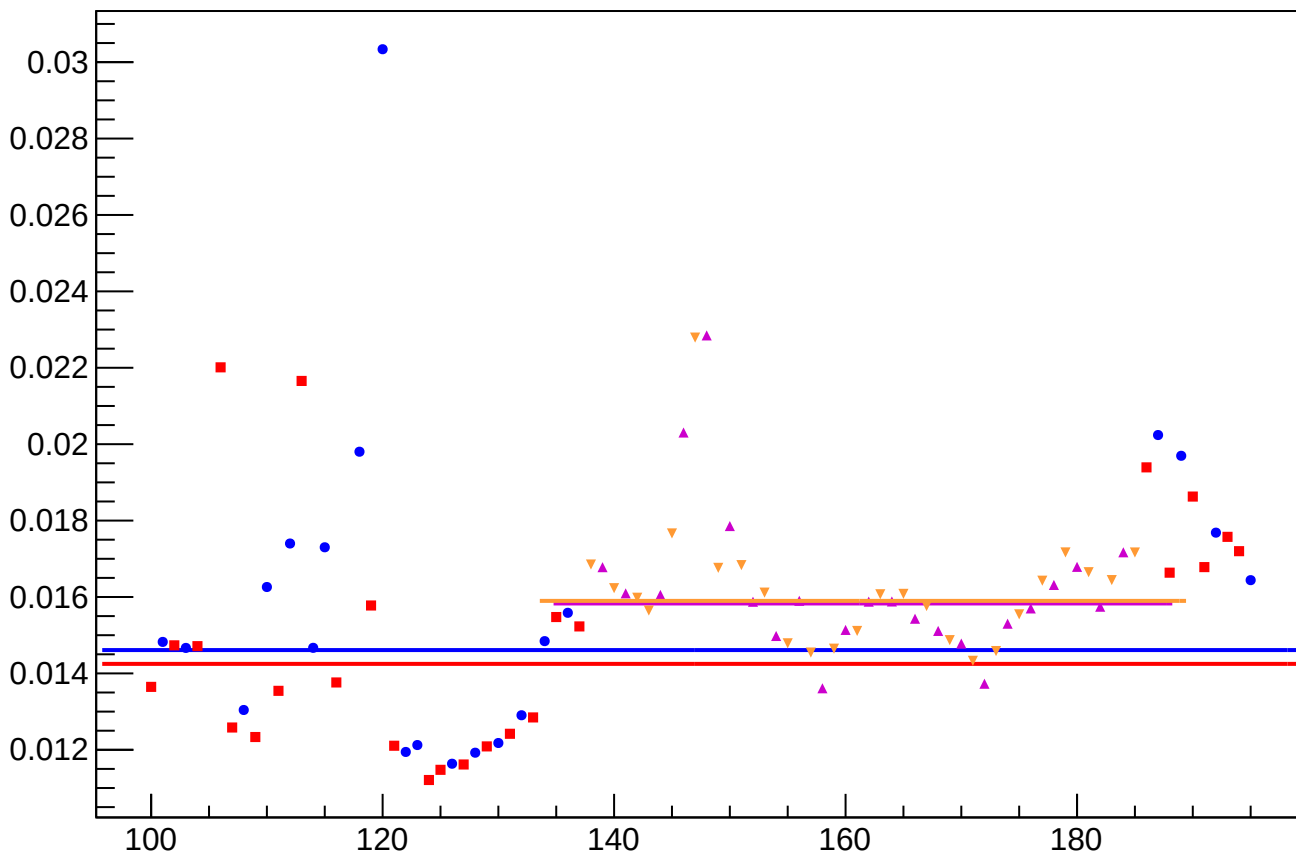
Left In: -3.362+/-0.000 χ^2 /NDF: 8171803777.4/22

+ sign -2.177+/-0.000 χ^2 /NDF: 291542135624.5/45

All: -2.121+/-0.000 χ^2 /NDF: 595004208696.8

- sign -2.068+/-0.000 χ^2 /NDF: 302806469651.0/47

yield_bpm0l02X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 587501.2/20

Left Out: 0.016+/-0.000 χ^2/NDF :251912.7/24

Right Out: 0.014+/-0.000 χ^2/NDF : 589045.1/24

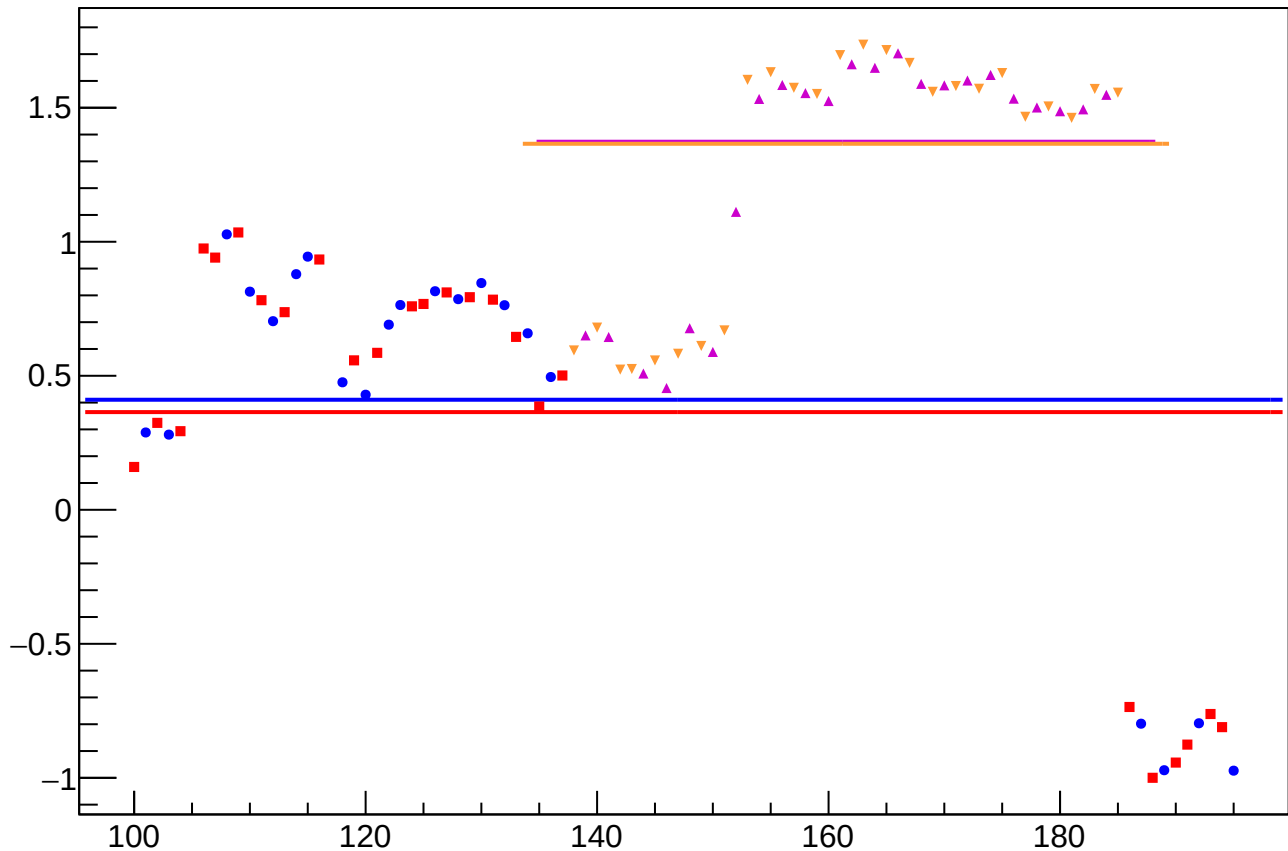
Left In: 0.016+/-0.000 χ^2/NDF :339542.1/22

+ sign 0.015+/-0.000 χ^2/NDF : 920957.0/45

All: 0.015+/-0.000 χ^2/NDF : 1995845.5/93

- sign 0.015+/-0.000 χ^2/NDF : 1066610.0/47

yield_bpm0l02Y_mean vs Slug



Right In: 0.411+/-0.000 χ^2/NDF : 35181687861.4/20

Left Out: 1.366+/-0.000 χ^2/NDF : 74741956067.9/24

Right Out: 0.365+/-0.000 χ^2/NDF : 48946565021.8/24

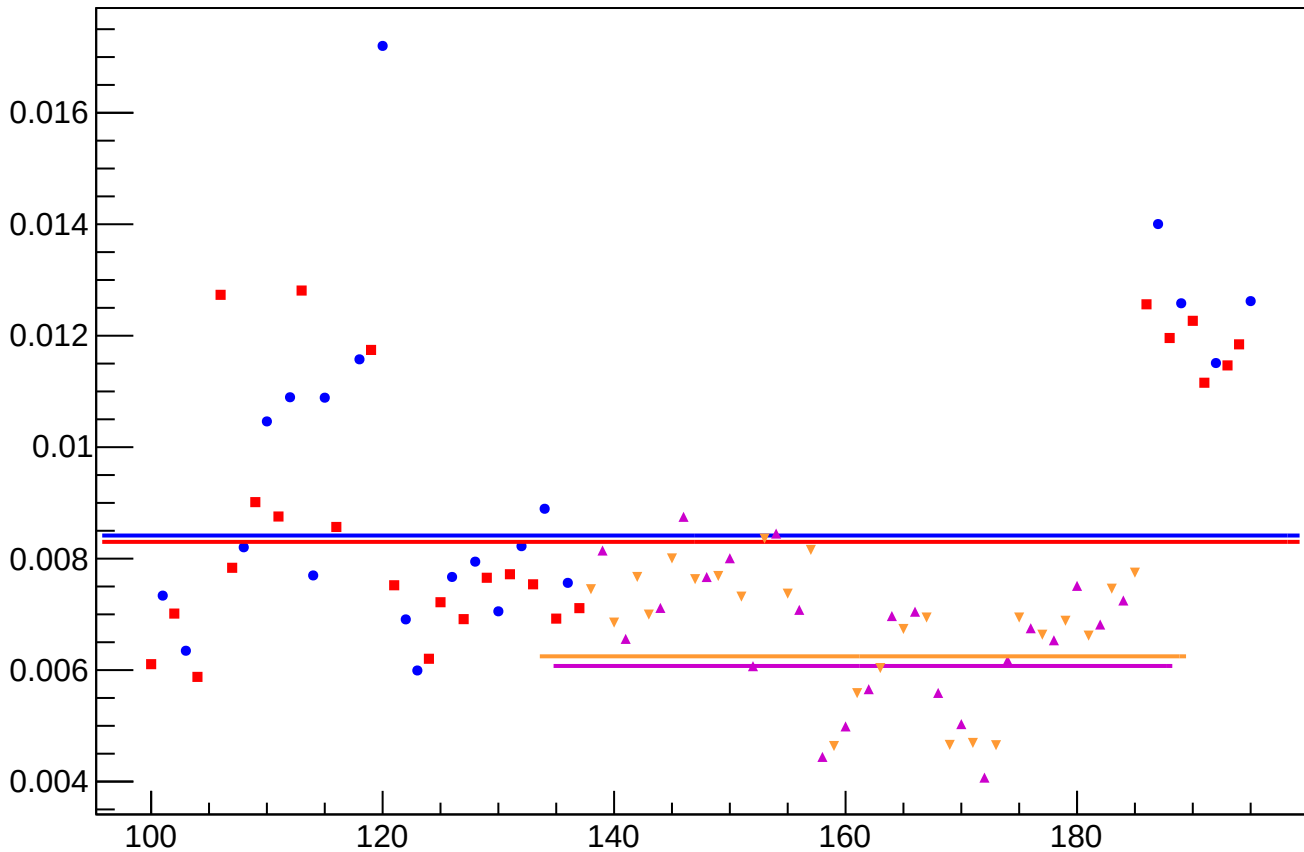
Left In: 1.373+/-0.000 χ^2/NDF : 63413151416.3/22

+ sign 1.169+/-0.000 χ^2/NDF : 189734453842.1/45

All: 1.152+/-0.000 χ^2/NDF : 404969784664.4

- sign 1.135+/-0.000 χ^2/NDF : 214916957761.2/47

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 983646.1/20

Left Out: 0.006+/-0.000 χ^2/NDF :1330867.5/24

Right Out: 0.008+/-0.000 χ^2/NDF : 1157218.4/24

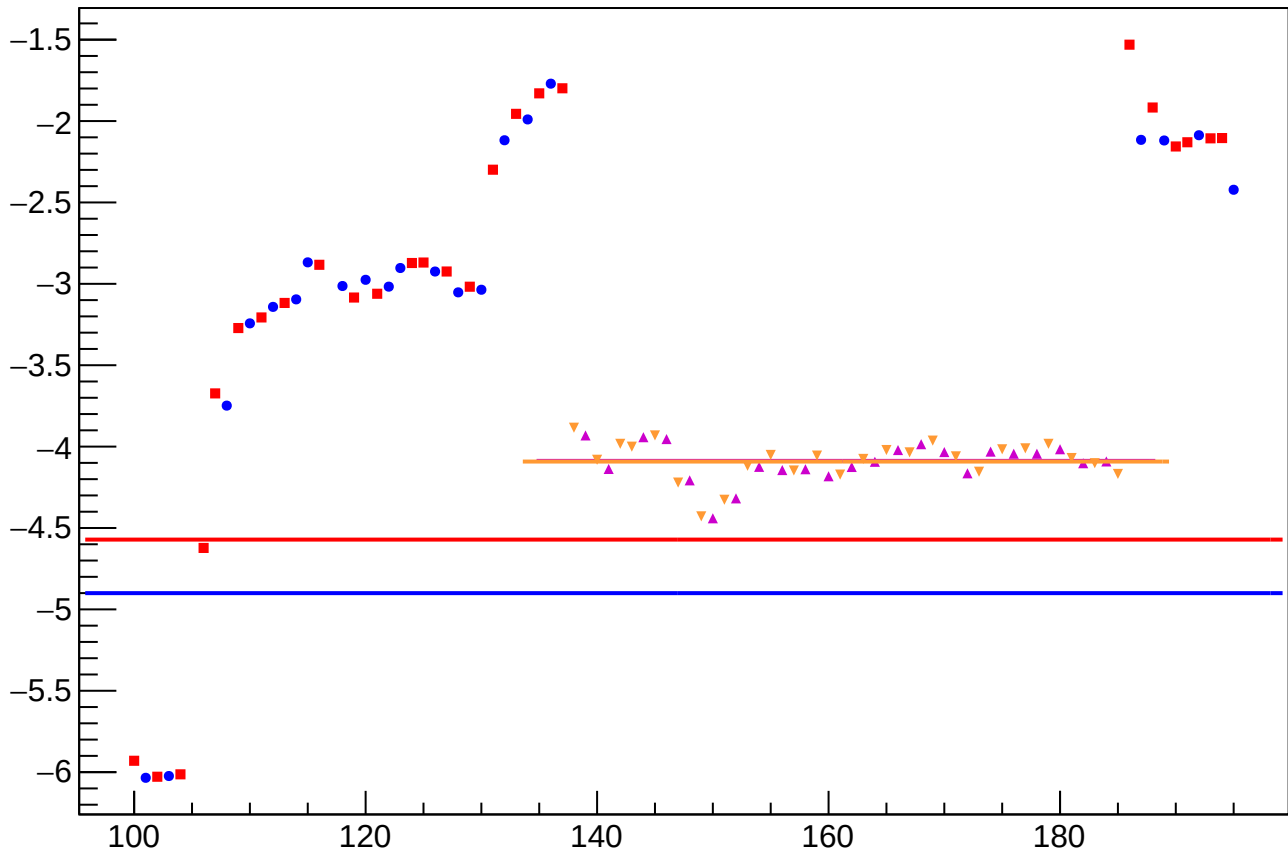
Left In: 0.006+/-0.000 χ^2/NDF :1431986.5/22

+ sign 0.007+/-0.000 χ^2/NDF : 3136888.8/45

All: 0.007+/-0.000 χ^2/NDF : 6730431.4/93

- sign 0.007+/-0.000 χ^2/NDF : 3588800.3/47

yield_bpm0l03X_mean vs Slug



Right In: -4.900+/-0.000 χ^2/NDF : 196852097791.3/20

Left Out: -4.092+/-0.000 χ^2/NDF : 39806766.7/24

Right Out: -4.571+/-0.000 χ^2/NDF : 215675971648.0/24

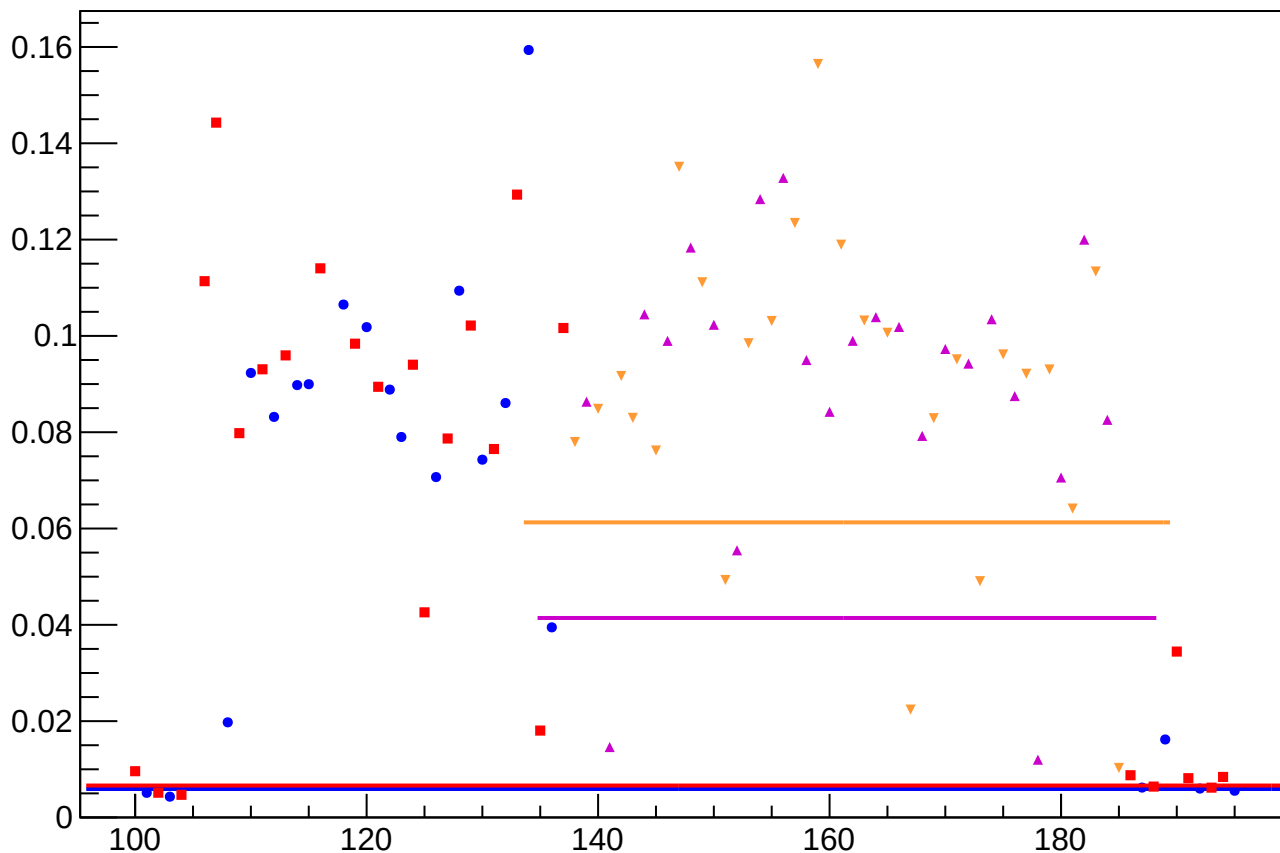
Left In: -4.088+/-0.000 χ^2/NDF : 34412880.7/22

+ sign -4.866+/-0.000 χ^2/NDF : 198739235688.7/45

All: -4.710+/-0.000 χ^2/NDF : 418893199335.6

- 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: 7992121.2/20

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

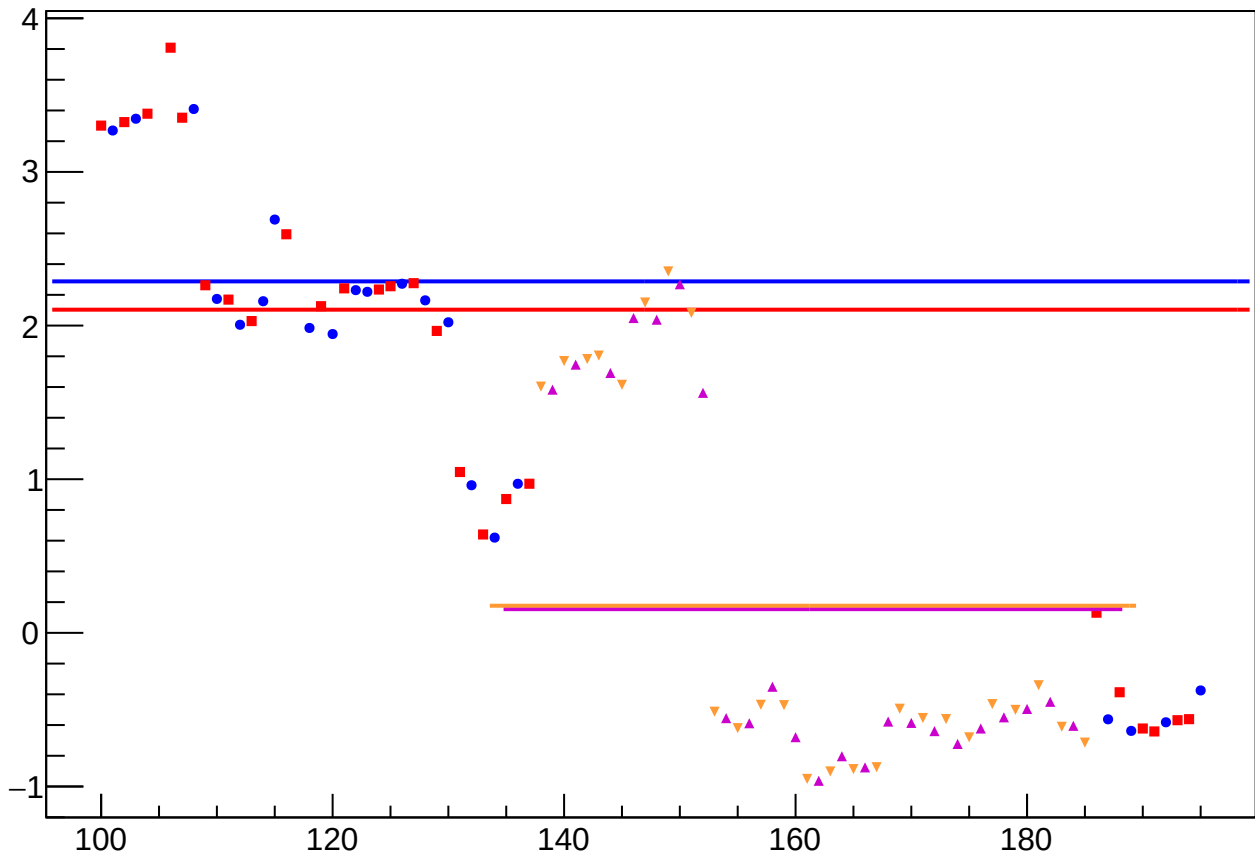
Left In: 0.041 $\pm$ 0.000 χ^2 /NDF:13124468.7/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 33674487.1/45

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 65142914.5/93

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 31433493.5/47

yield_bpm0l03Y_mean vs Slug



Right In: 2.288+/-0.000 χ^2/NDF : 107957634306.0/20

Left Out: 0.177+/-0.000 χ^2/NDF : 3275313367.7/24

Right Out: 2.103+/-0.000 χ^2/NDF : 121694250651.3/24

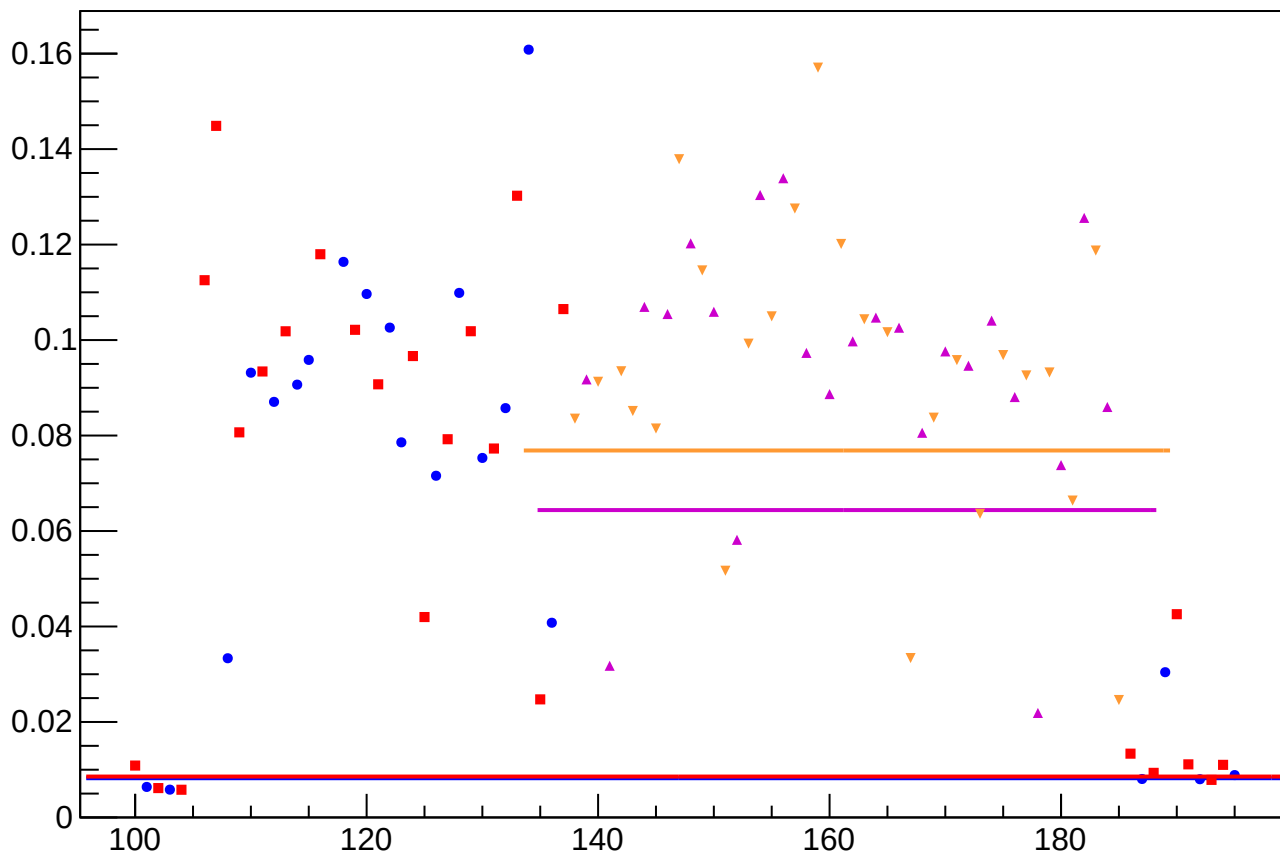
Left In: 0.154+/-0.000 χ^2/NDF : 3163553595.0/22

+ sign 2.171+/-0.000 χ^2/NDF : 120779075214.3/45

All: 2.076+/-0.000 χ^2/NDF : 255563477471.7

- sign 1.982+/-0.000 χ^2/NDF : 134044903617.0/47

yield_bpm0l03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7895700.9/20

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

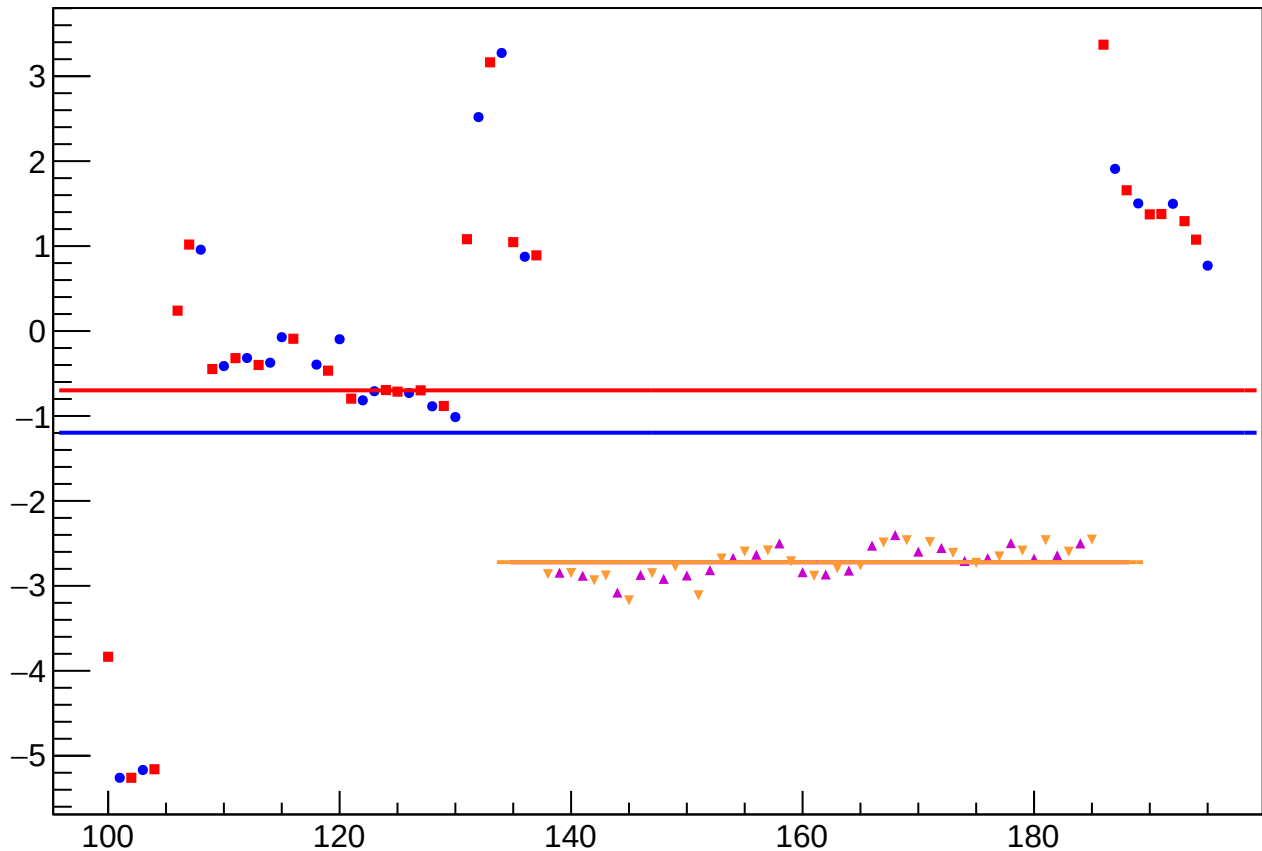
Left In: 0.064 $\pm$ 0.000 χ^2 /NDF:6990231.5/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 32303539.6/45

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 62946460.4/93

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 30642823.8/47

yield_bpm0l04X_mean vs Slug



Right In: -1.197 ± 0.000 χ^2/NDF : 201094929457.5/20

Left Out: -2.721 ± 0.000 χ^2/NDF : 10397156971.6/24

Right Out: -0.699 ± 0.000 χ^2/NDF : 225163697884.7/24

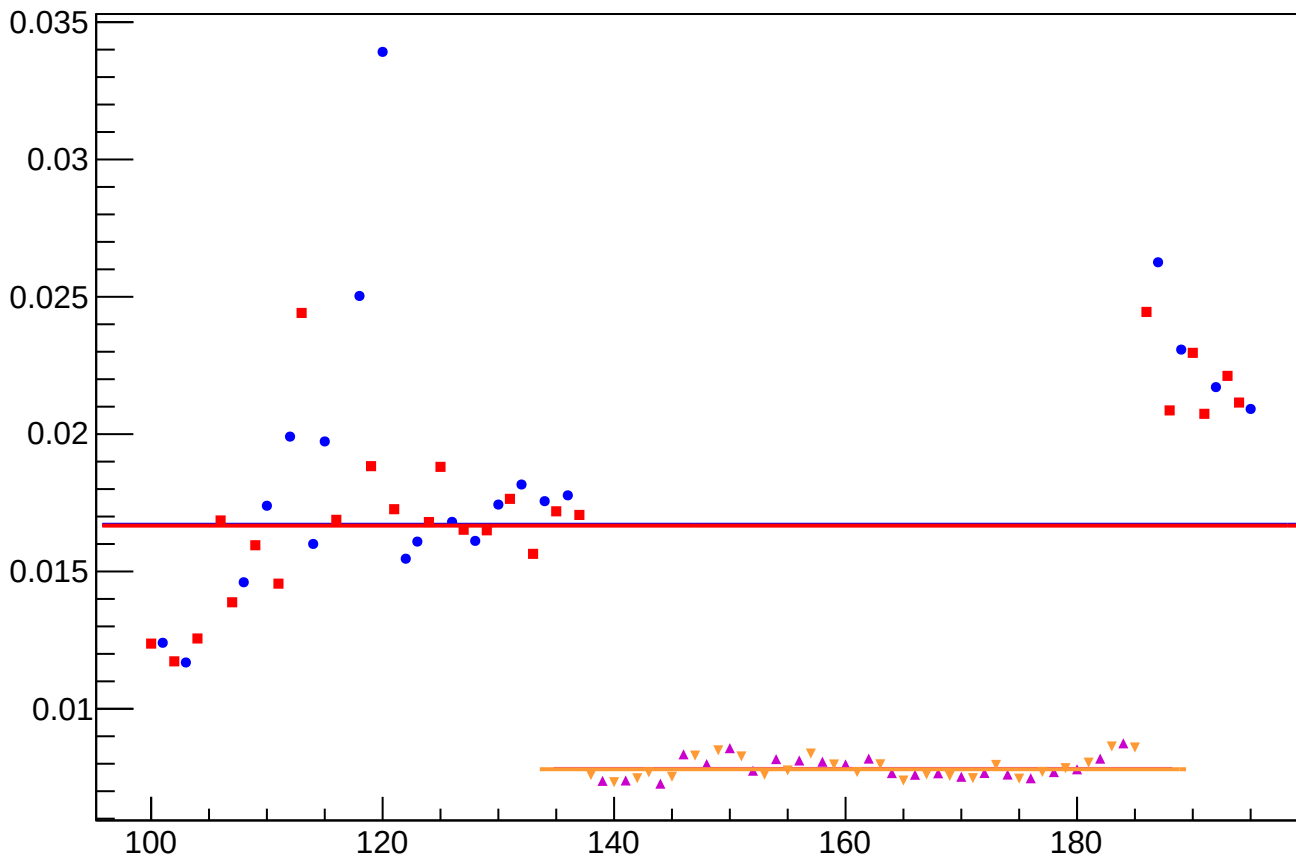
Left In: -2.722 ± 0.000 χ^2/NDF : 8146484592.1/22

+ sign -2.589 ± 0.000 χ^2/NDF : 270215887461.9/45

All: -2.546 ± 0.000 χ^2/NDF : 626600704213.5

- sign -2.502 ± 0.000 χ^2/NDF : 355202367951.4/47

yield_bpm0l04X_rms vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 895034.6/20

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

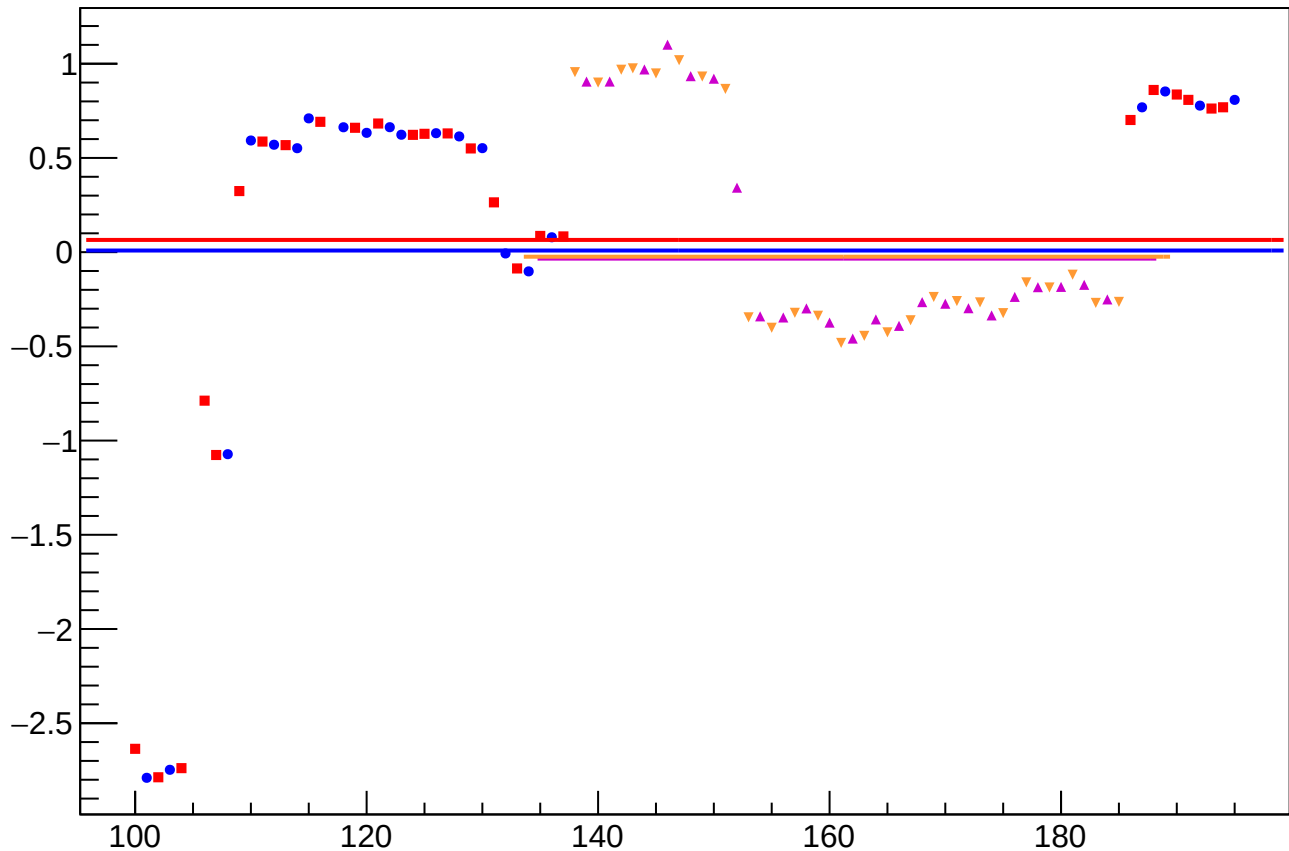
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 67610.2/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 4971773.9/45

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 10538119.4/93

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 5553769.3/47

yield_bpm0l04Y_mean vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 786410609867.9/20

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

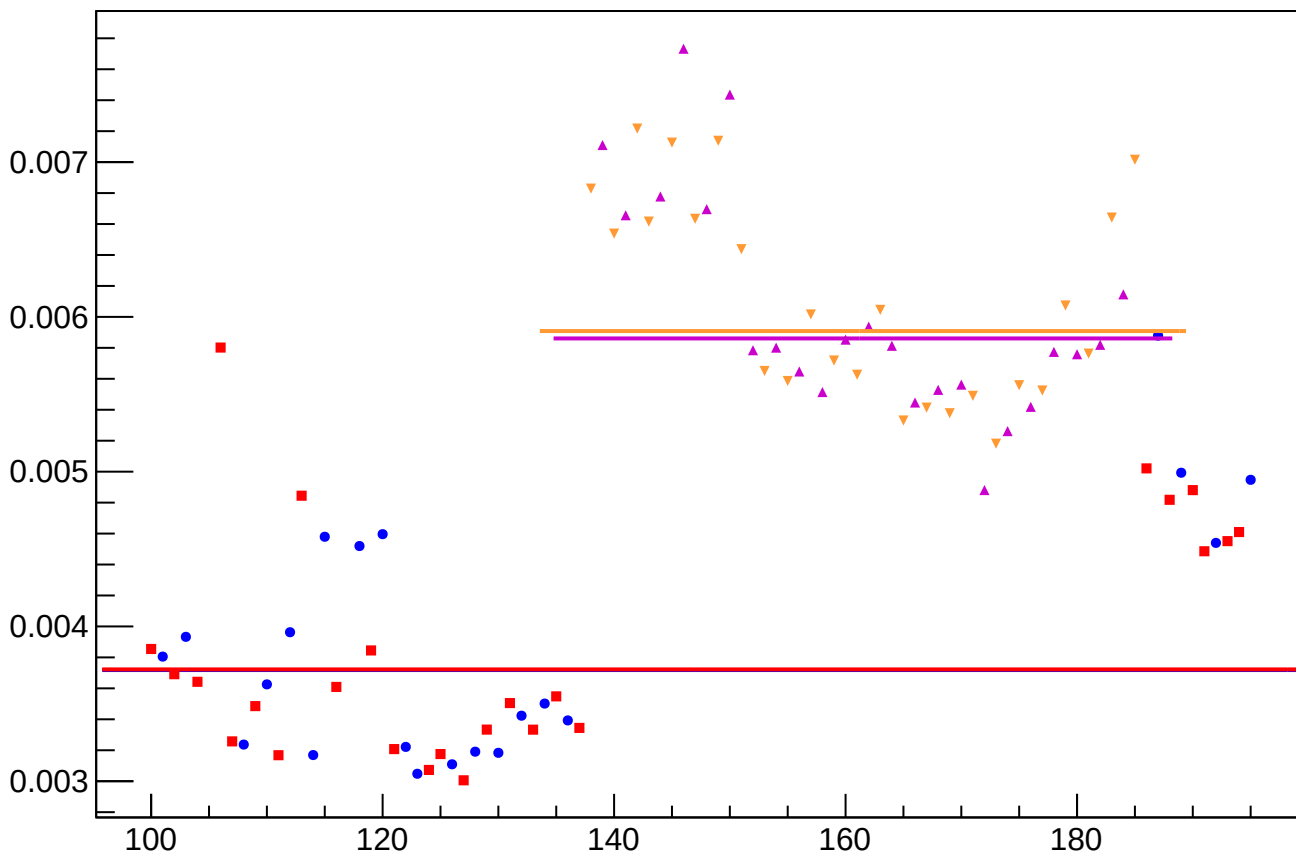
Left In: -0.034 $\pm$ 0.000 χ^2 /NDF:113929060918.1/22

+ sign -0.006 $\pm$ 0.000 χ^2 /NDF: 922151668439.3/45

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 1899274798855.

- sign 0.025 $\pm$ 0.000 χ^2 /NDF: 976568983628.3/47

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 467740.0/20

Left Out: 0.006+/-0.000 χ^2/NDF :314309.7/24

Right Out: 0.004+/-0.000 χ^2/NDF : 581681.5/24

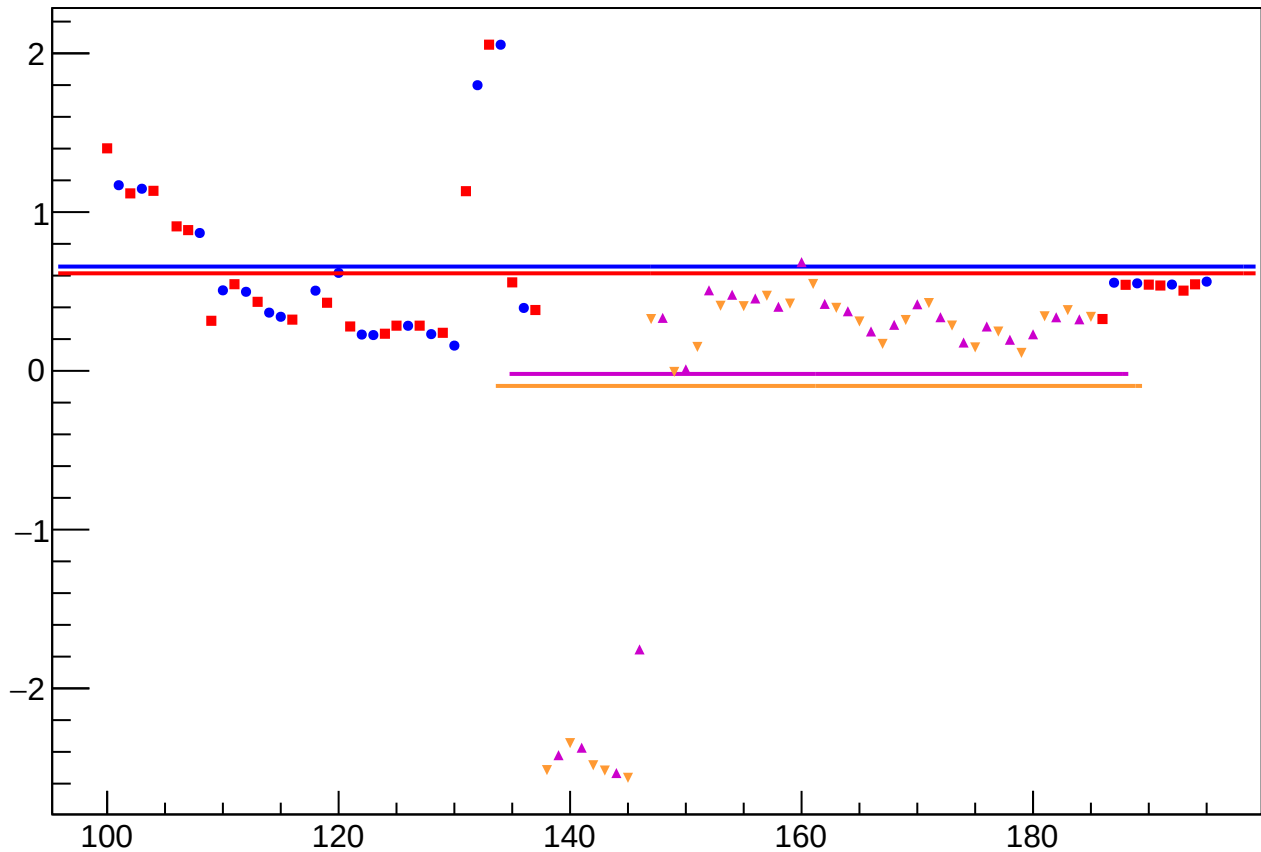
Left In: 0.006+/-0.000 χ^2/NDF :364512.1/22

+ sign 0.005+/-0.000 χ^2/NDF : 3362694.7/45

All: 0.005+/-0.000 χ^2/NDF : 6889519.2/93

- sign 0.005+/-0.000 χ^2/NDF : 3511674.5/47

yield_bpm0l05X_mean vs Slug



Right In: 0.657 ± 0.000 $\chi^2/\text{NDF}: 38302679204.6/20$

Left Out: -0.095 ± 0.000 $\chi^2/\text{NDF}: 505606573631.9/24$

Right Out: 0.614 ± 0.000 $\chi^2/\text{NDF}: 45049760715.5/24$

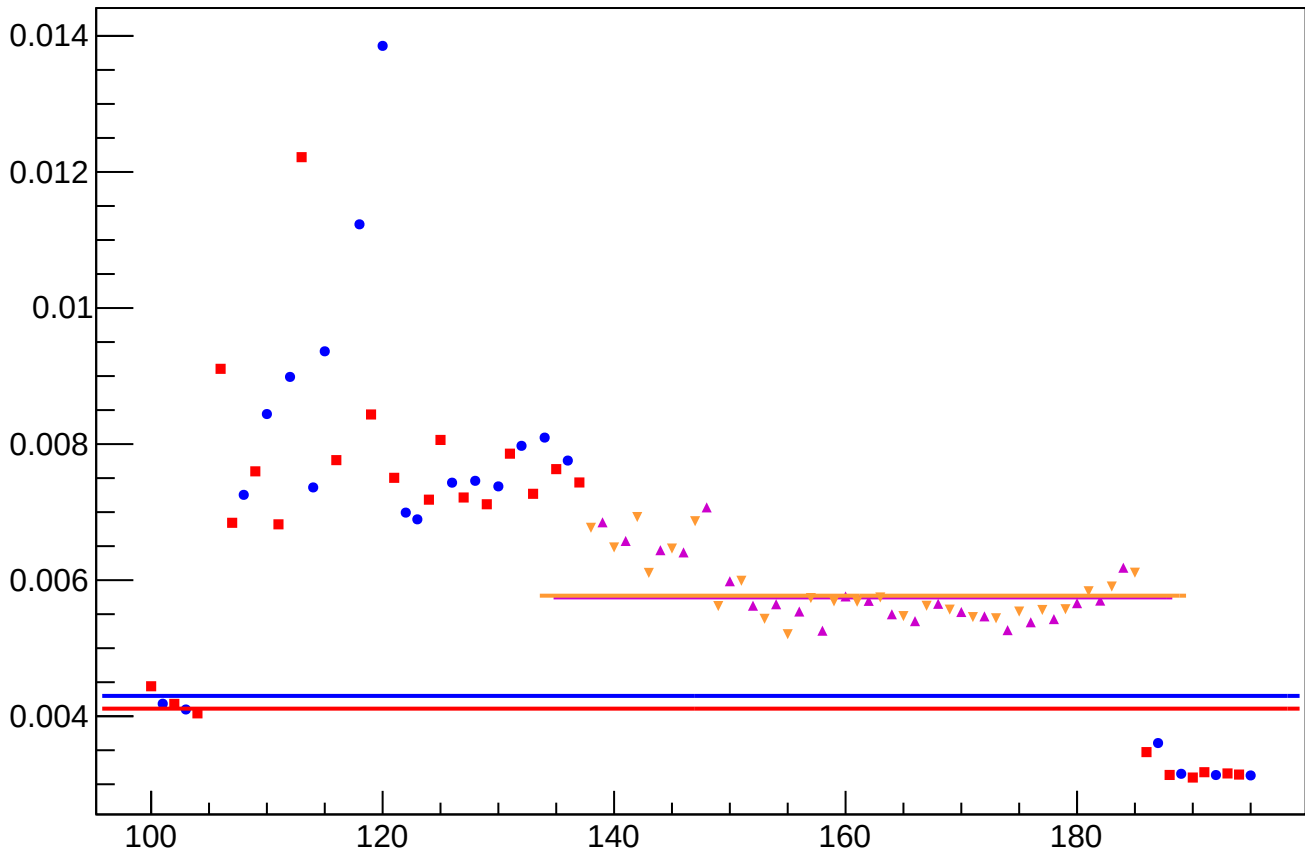
Left In: -0.019 ± 0.000 $\chi^2/\text{NDF}: 417104863944.5/22$

+ sign 0.218 ± 0.000 $\chi^2/\text{NDF}: 665280533970.9/45$

All: 0.259 ± 0.000 $\chi^2/\text{NDF}: 1228476101106.$

- sign 0.295 ± 0.000 $\chi^2/\text{NDF}: 560458172426.9/47$

yield_bpm0l05X_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 2800719.3/20

Left Out: 0.006+/-0.000 χ^2/NDF : 177680.7/24

Right Out: 0.004+/-0.000 χ^2/NDF : 2912979.7/24

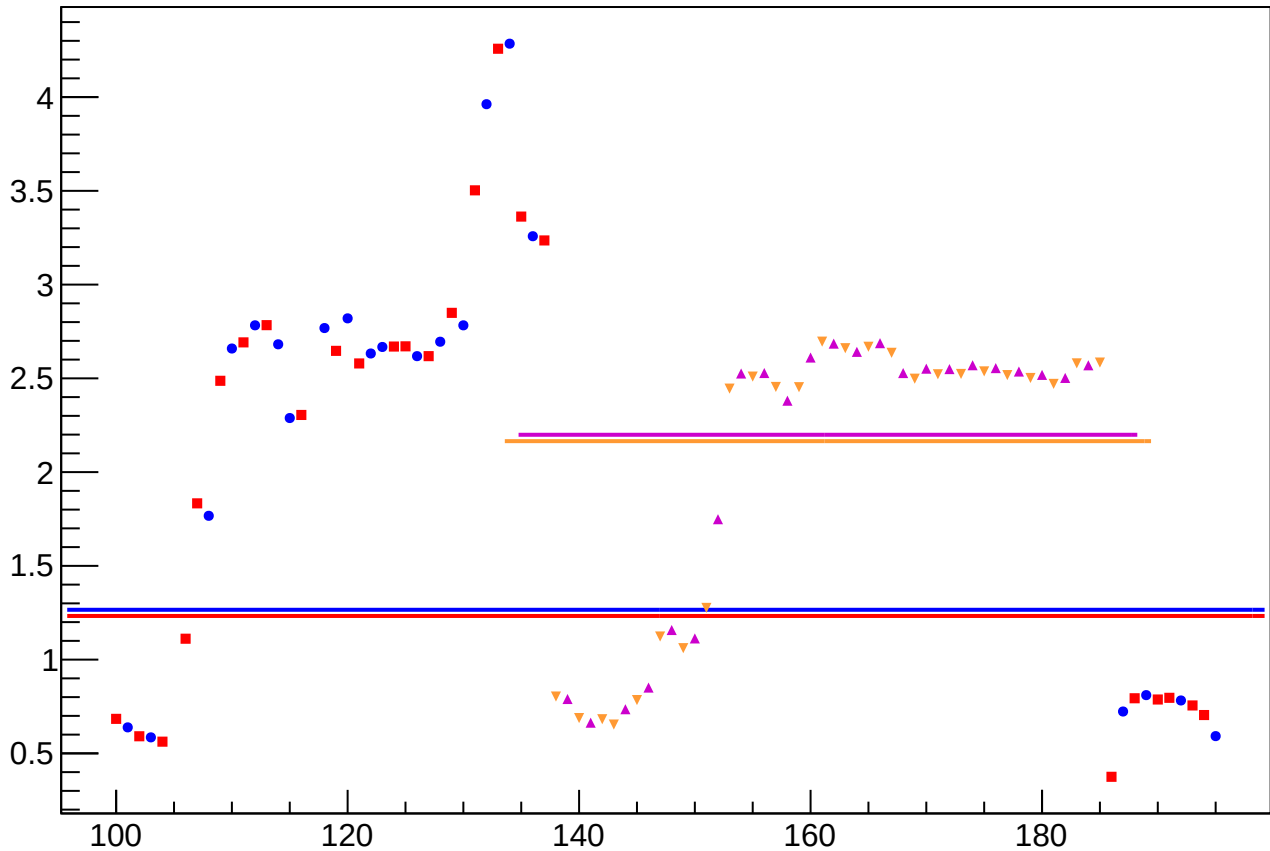
Left In: 0.006+/-0.000 χ^2/NDF : 204066.4/22

+ sign 0.005+/-0.000 χ^2/NDF : 3910253.7/45

All: 0.005+/-0.000 χ^2/NDF : 8382367.3/93

- sign 0.005+/-0.000 χ^2/NDF : 4425926.4/47

yield_bpm0l05Y_mean vs Slug



Right In: 1.266 $\pm$ 0.000 χ^2 /NDF: 248051935544.6/20

Left Out: 2.165 $\pm$ 0.000 χ^2 /NDF: 292800056899.6/24

Right Out: 1.233 $\pm$ 0.000 χ^2 /NDF: 298488202732.7/24

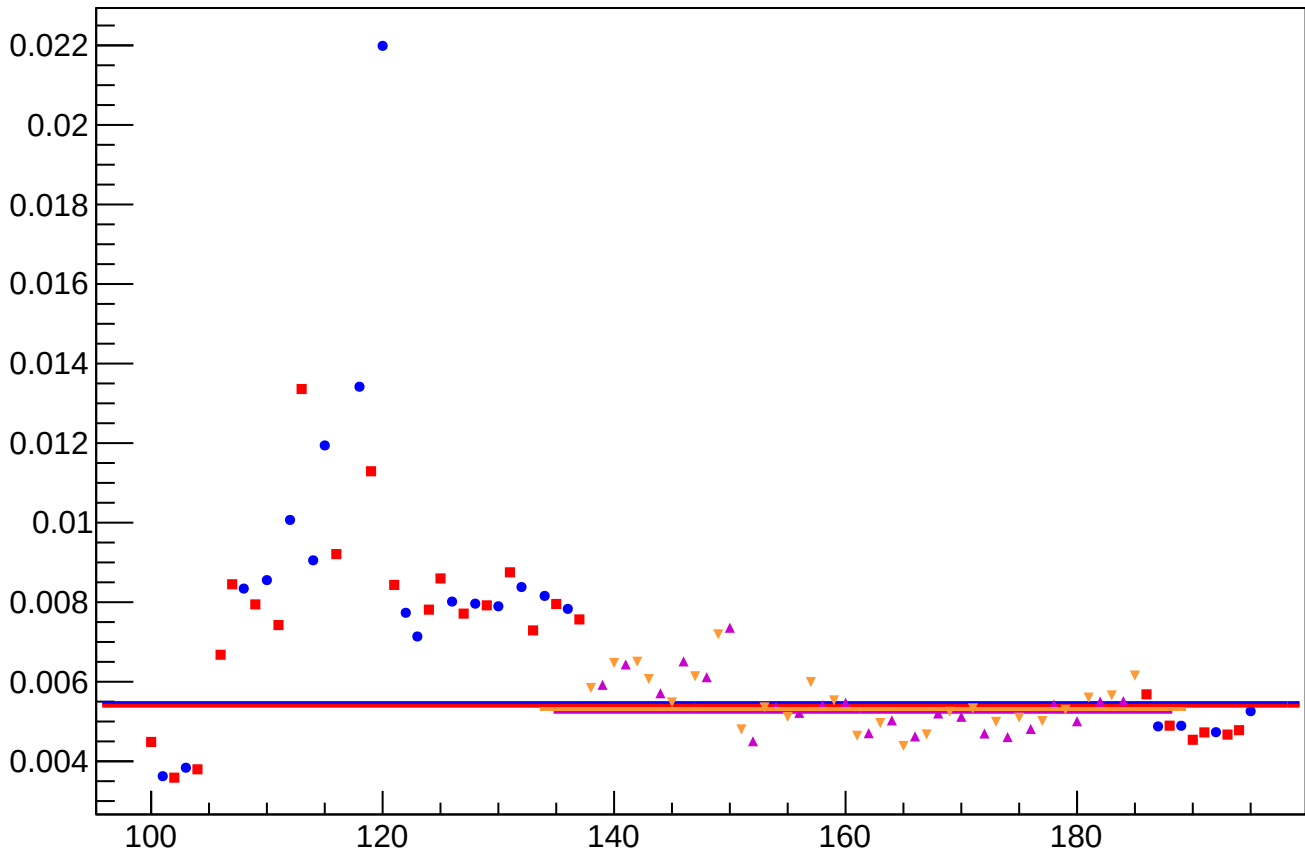
Left In: 2.199 $\pm$ 0.000 χ^2 /NDF: 253166239065.4/22

+ sign 1.908 $\pm$ 0.000 χ^2 /NDF: 676788194510.4/45

All: 1.889 $\pm$ 0.000 χ^2 /NDF: 1409965938196.

- sign 1.872 $\pm$ 0.000 χ^2 /NDF: 732637077500.9/47

yield_bpm0l05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 2003460.6/20

Left Out: 0.005+/-0.000 χ^2/NDF : 398795.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1874810.2/24

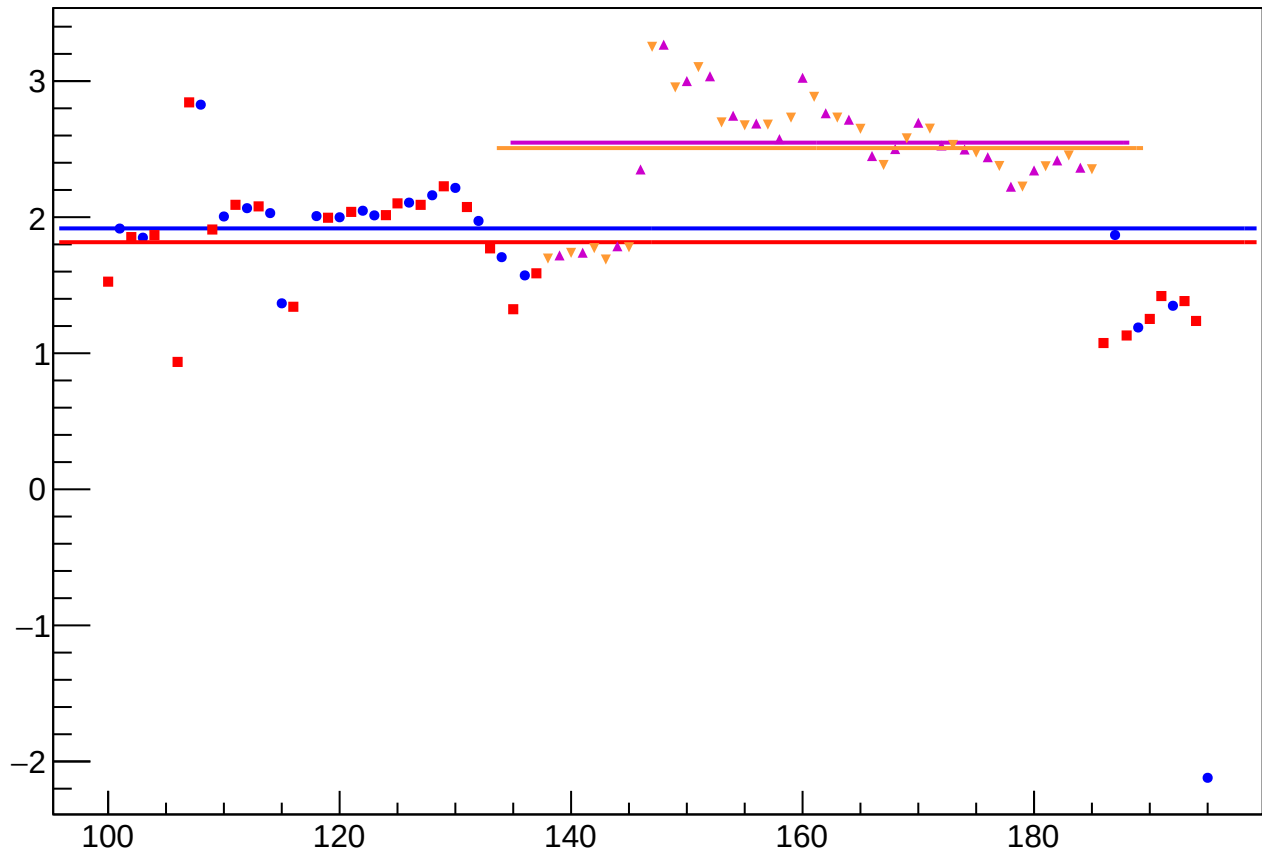
Left In: 0.005+/-0.000 χ^2/NDF : 425864.8/22

+ sign 0.005+/-0.000 χ^2/NDF : 2409572.3/45

All: 0.005+/-0.000 χ^2/NDF : 4722328.6/93

- sign 0.005+/-0.000 χ^2/NDF : 2309693.1/47

yield_bpm0l06X_mean vs Slug



Right In: 1.918 $\pm$ 0.000 χ^2 /NDF: 36973382236.0/20

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

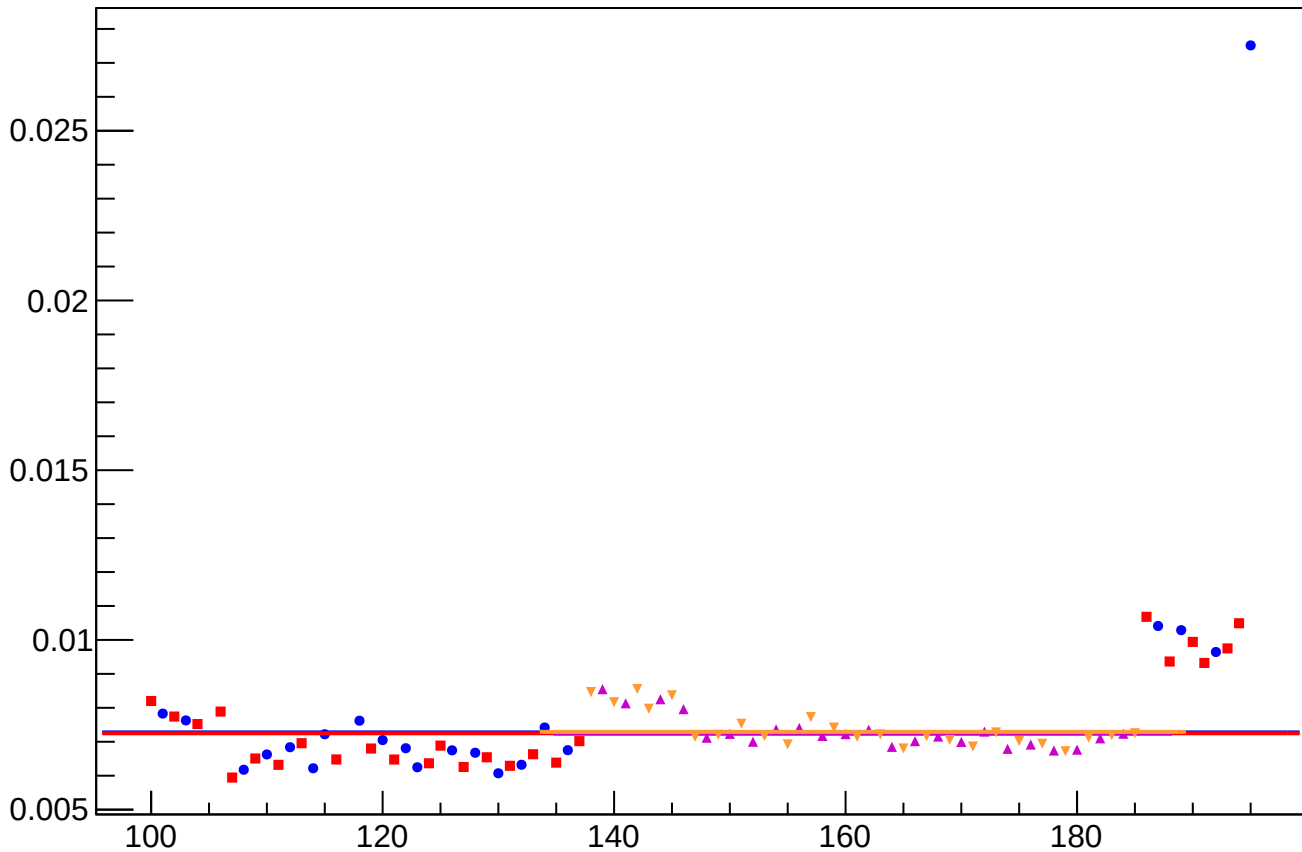
Left In: 2.548 $\pm$ 0.000 χ^2 /NDF: 45350336058.7/22

+ sign 2.321 $\pm$ 0.000 χ^2 /NDF: 125626527044.5/45

All: 2.299 $\pm$ 0.000 χ^2 /NDF: 269452733321.9

- sign 2.278 $\pm$ 0.000 χ^2 /NDF: 143376853463.1/47

yield_bpm0l06X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 1253646.0/20

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:140788.4/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 647708.0/24

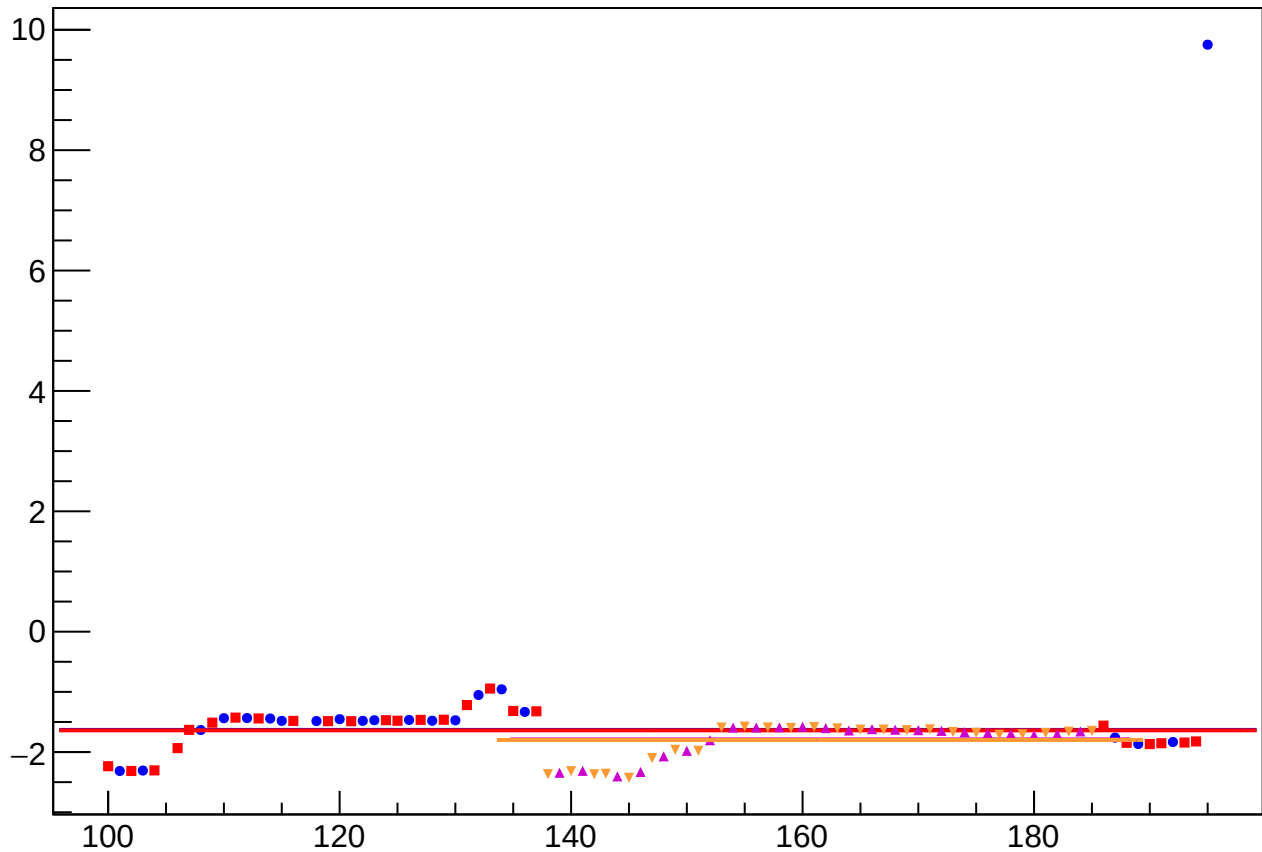
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:125233.2/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1394489.3/45

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 2168421.0/93

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 772970.8/47

yield_bpm0l06Y_mean vs Slug



Right In: -1.632+/-0.000 χ^2/NDF : 175785894250.6/20

Left Out: -1.799+/-0.000 χ^2/NDF : 185362087438.8/24

Right Out: -1.639+/-0.000 χ^2/NDF : 158662482687.6/24

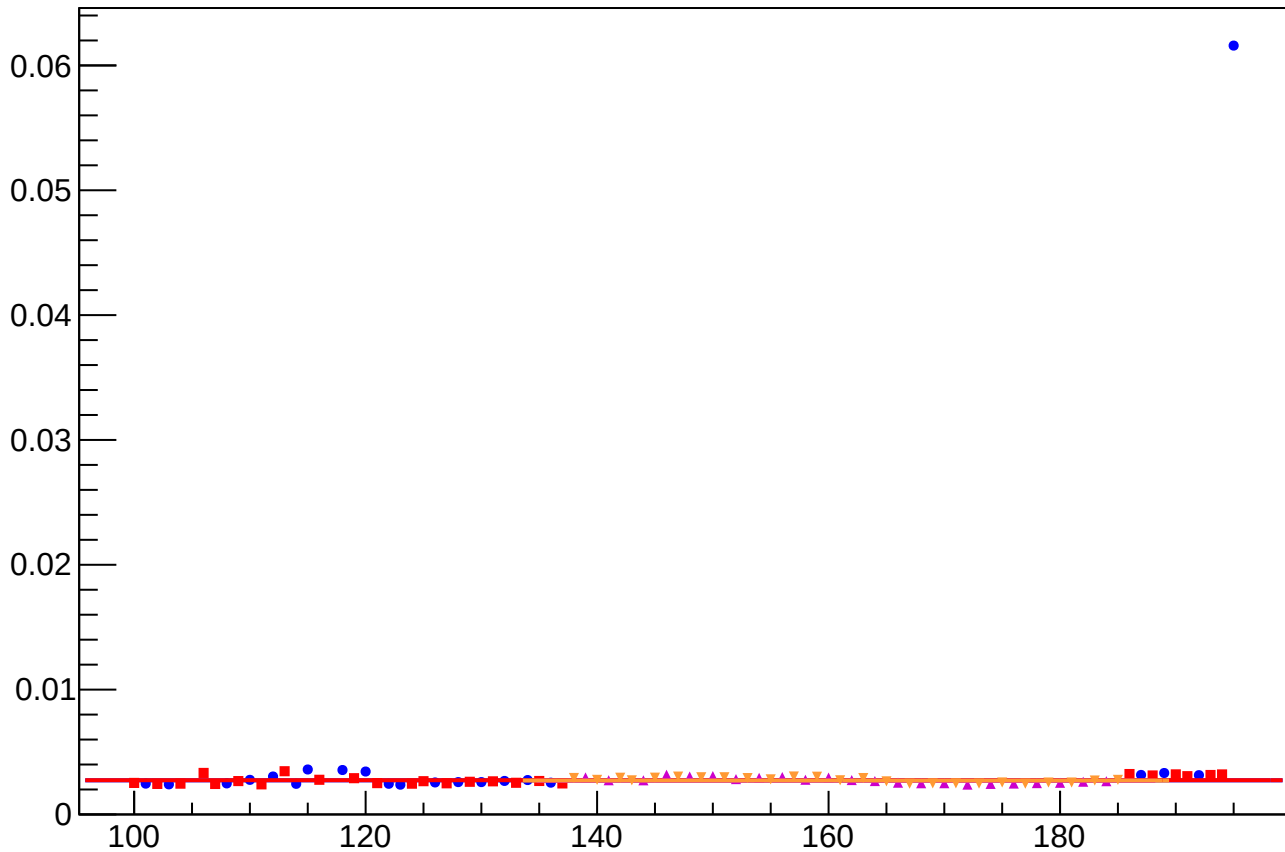
Left In: -1.790+/-0.000 χ^2/NDF : 159648935510.8/22

+ sign -1.748+/-0.000 χ^2/NDF : 381229287063.3/45

All: -1.742+/-0.000 χ^2/NDF : 718599347242.8

- sign -1.735+/-0.000 χ^2/NDF : 337096997510.0/47

yield_bpm0l06Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 1764256.3/20

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:199695.2/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 252069.5/24

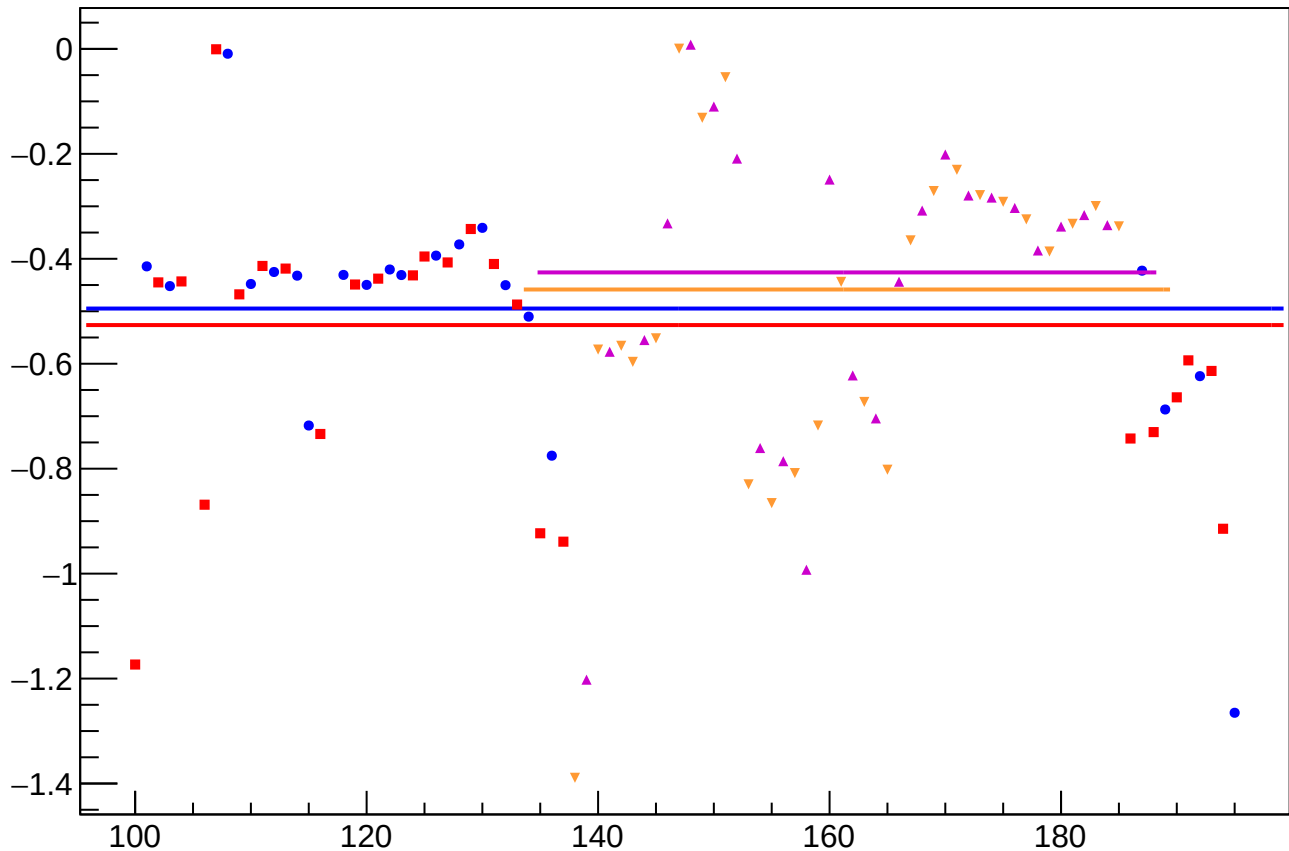
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:220327.9/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1964243.0/45

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2439839.6/93

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 475471.8/47

yield_bpm0l07X_mean vs Slug



Right In: -0.495+/-0.000 χ^2/NDF : 3362348234.2/20

Left Out: -0.459+/-0.000 χ^2/NDF : 9916462814.9/24

Right Out: -0.526+/-0.000 χ^2/NDF : 3485227100.2/24

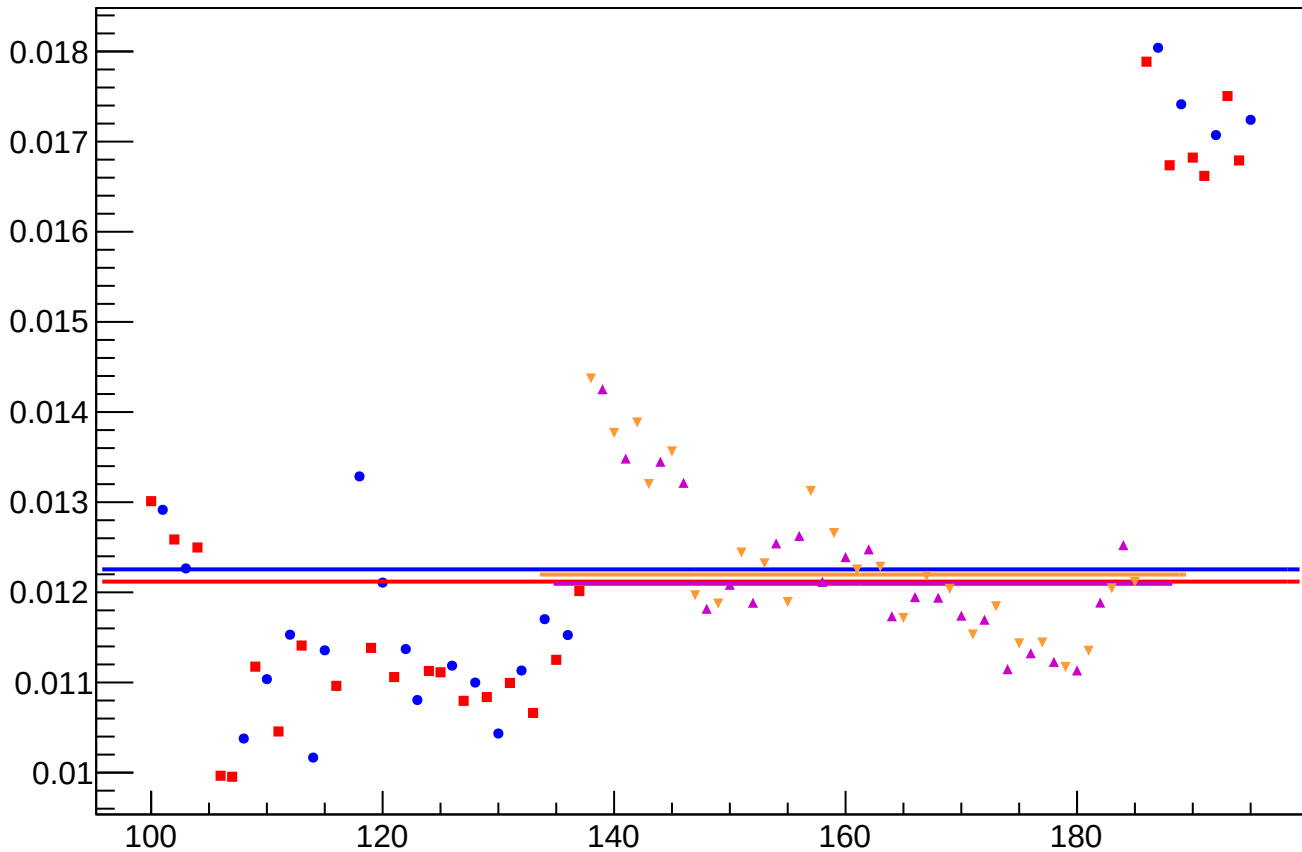
Left In: -0.426+/-0.000 χ^2/NDF : 8424222576.0/22

+ sign -0.470+/-0.000 χ^2/NDF : 13329449109.0/45

All: -0.467+/-0.000 χ^2/NDF : 25670340829.6/47

- 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: 517720.6/20

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

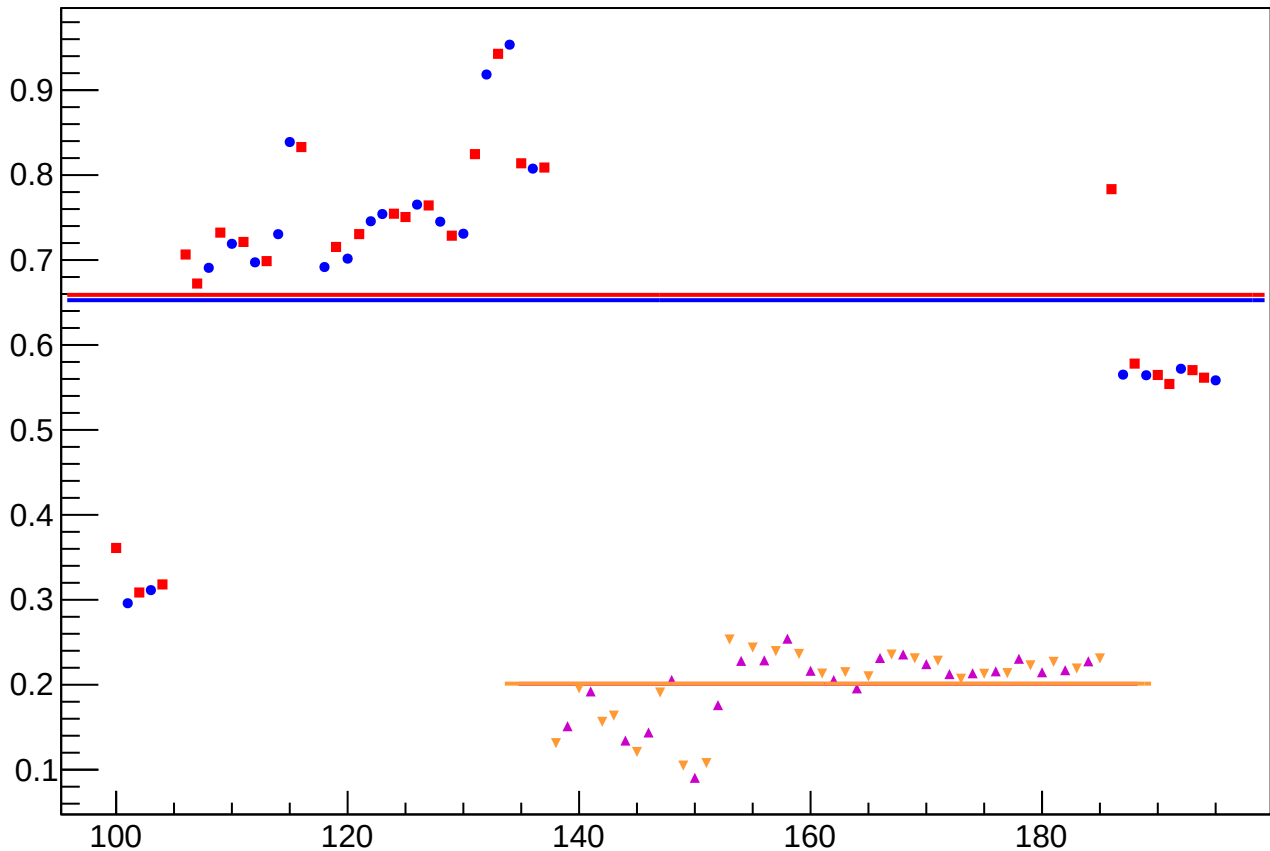
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:127308.3/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 659824.3/45

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 1525570.2/93

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 863518.4/47

yield_bpm0l07Y_mean vs Slug



Right In: 0.653 $\pm$ 0.000 χ^2 /NDF: 41396673407.8/20

Left Out: 0.201 $\pm$ 0.000 χ^2 /NDF: 7090760823.7/24

+ sign 0.311 $\pm$ 0.000 χ^2 /NDF: 249471375548.5/45

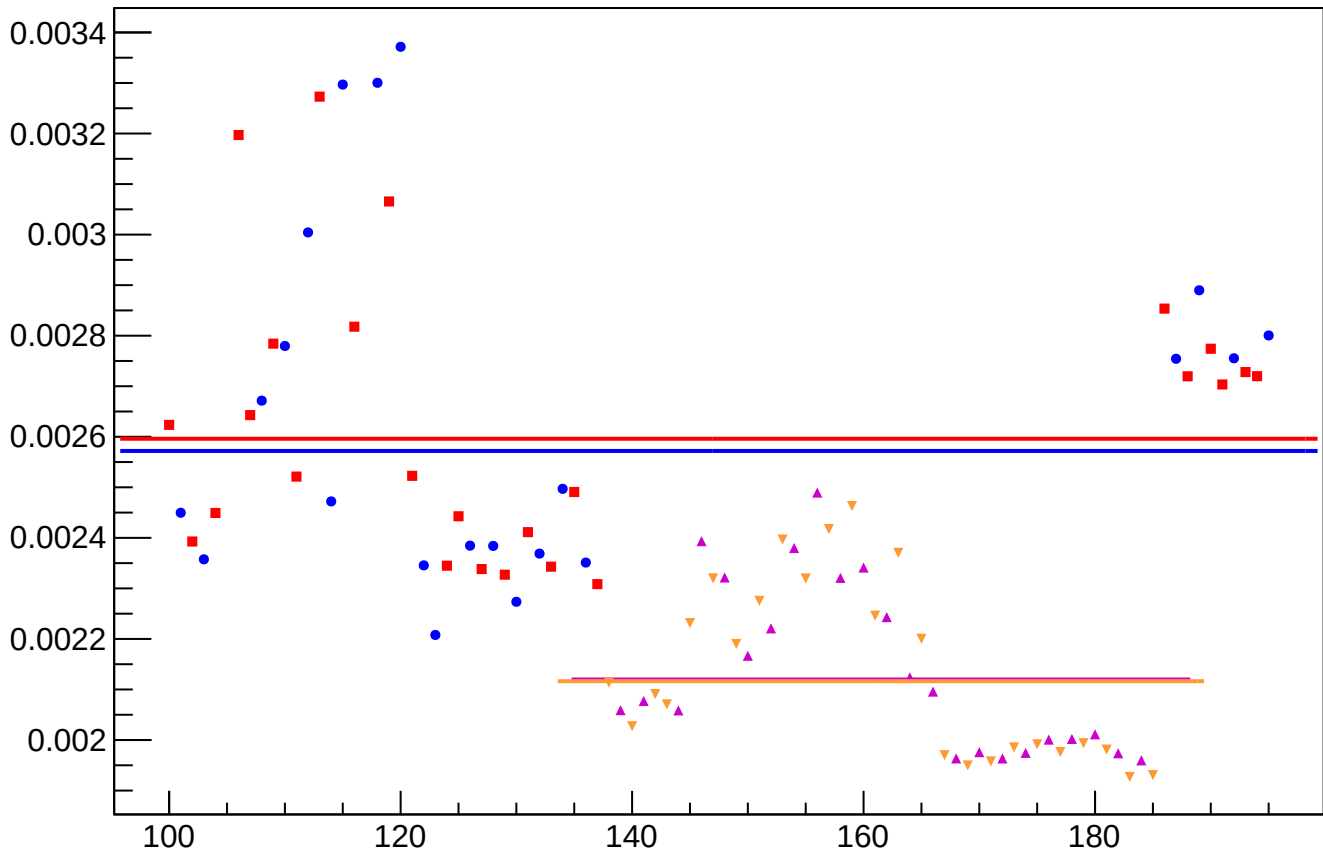
Right Out: 0.659 $\pm$ 0.000 χ^2 /NDF: 40252598106.8/24

All: 0.320 $\pm$ 0.000 χ^2 /NDF: 520480685055.0

Left In: 0.201 $\pm$ 0.000 χ^2 /NDF: 5671770181.2/22

- 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 : 214201.2/20

Left Out: 0.002+/-0.000 χ^2/NDF :224498.3/24

Right Out: 0.003+/-0.000 χ^2/NDF : 159349.9/24

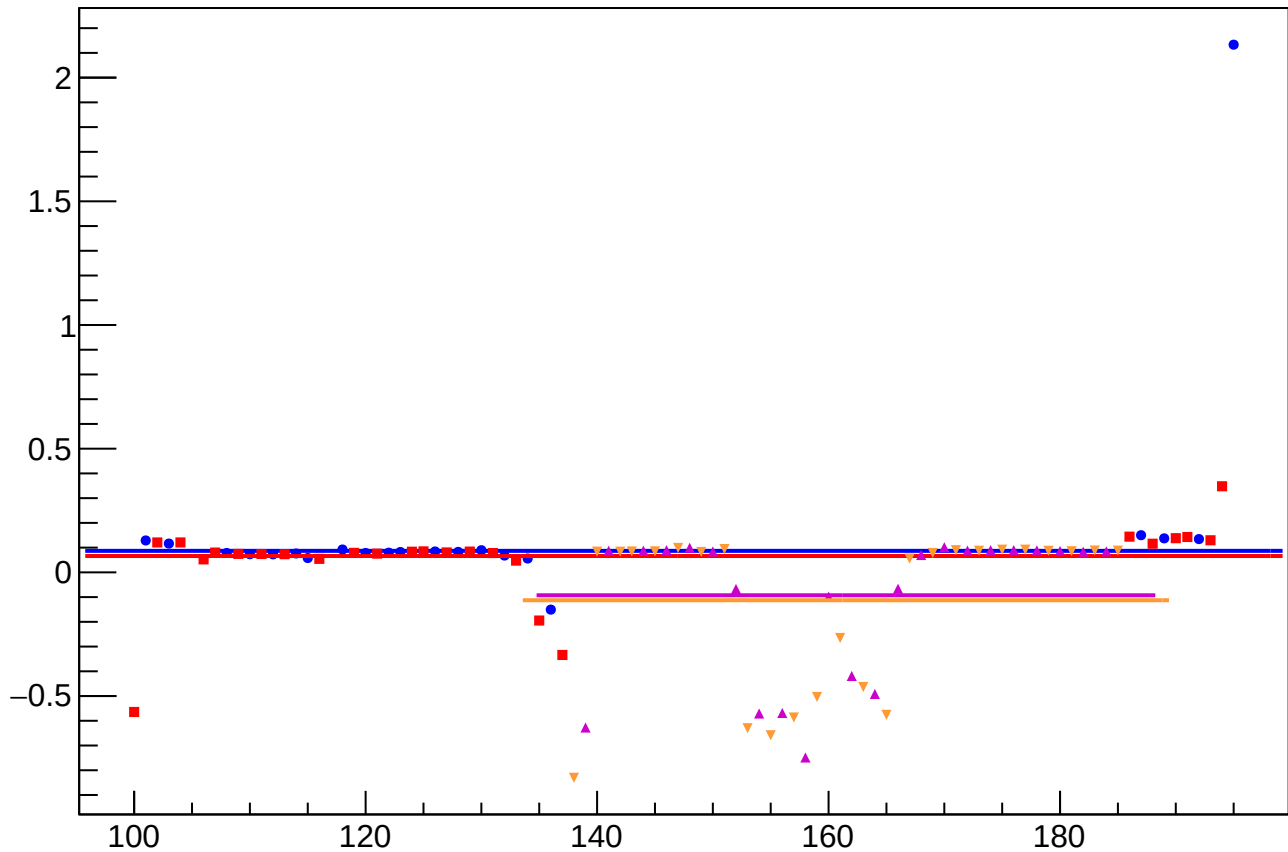
Left In: 0.002+/-0.000 χ^2/NDF :189228.6/22

+ sign 0.002+/-0.000 χ^2/NDF : 848100.8/45

All: 0.002+/-0.000 χ^2/NDF : 1685395.9/93

- sign 0.002+/-0.000 χ^2/NDF : 833686.0/47

yield_bpm0l08X_mean vs Slug



Right In: 0.087+/-0.000 χ^2/NDF : 4177065051.0/20

Left Out: -0.113+/-0.000 χ^2/NDF : 13667354077.1/24

Right Out: 0.066+/-0.000 χ^2/NDF : 1113411422.5/24

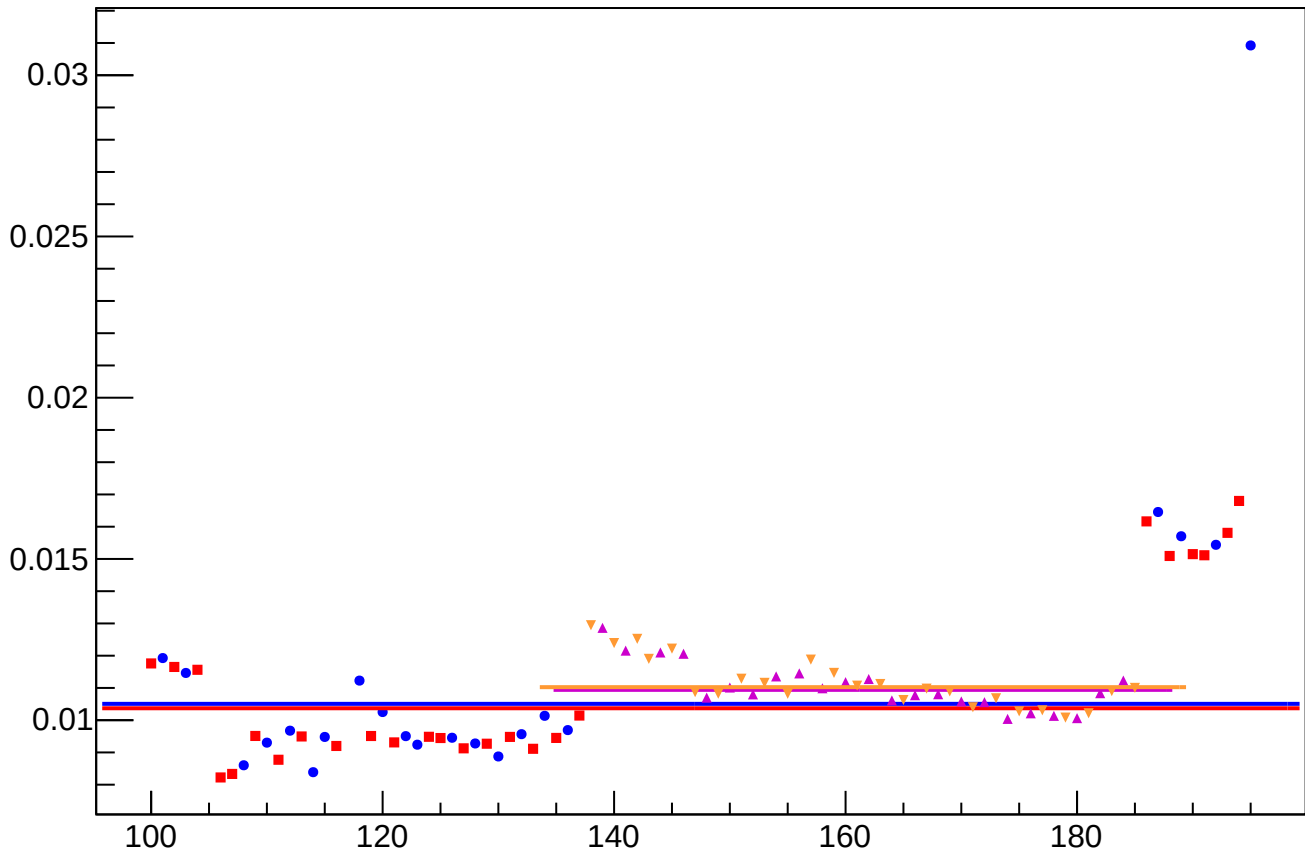
Left In: -0.093+/-0.000 χ^2/NDF : 11051944893.7/22

+ sign -0.045+/-0.000 χ^2/NDF : 19802077789.0/45

All: -0.037+/-0.000 χ^2/NDF : 33373954003.3/47

- sign -0.030+/-0.000 χ^2/NDF : 13546282537.0/47

yield_bpm0l08X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 1242898.2/20

Left Out: 0.011+/-0.000 χ^2/NDF :141501.7/24

Right Out: 0.010+/-0.000 χ^2/NDF : 1022253.1/24

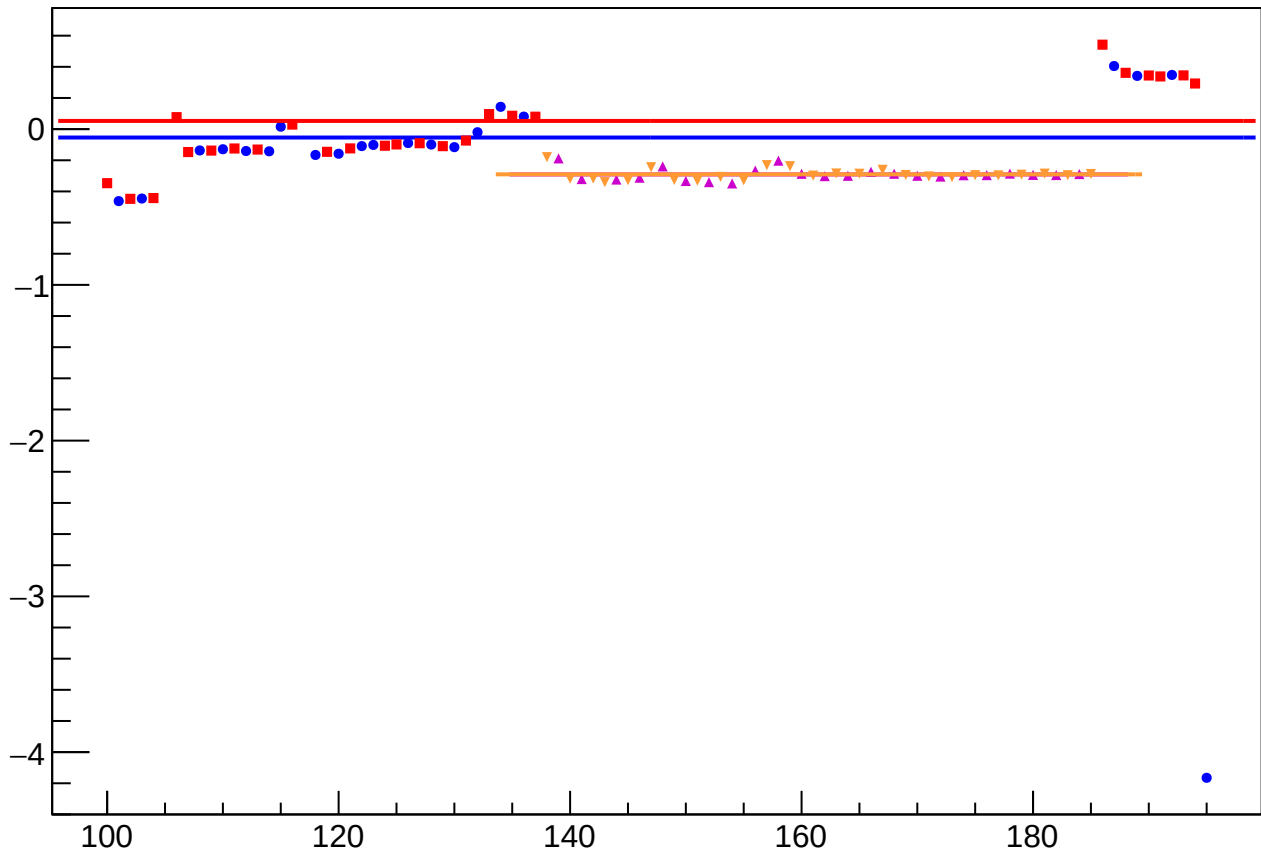
Left In: 0.011+/-0.000 χ^2/NDF :128914.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 1410661.2/45

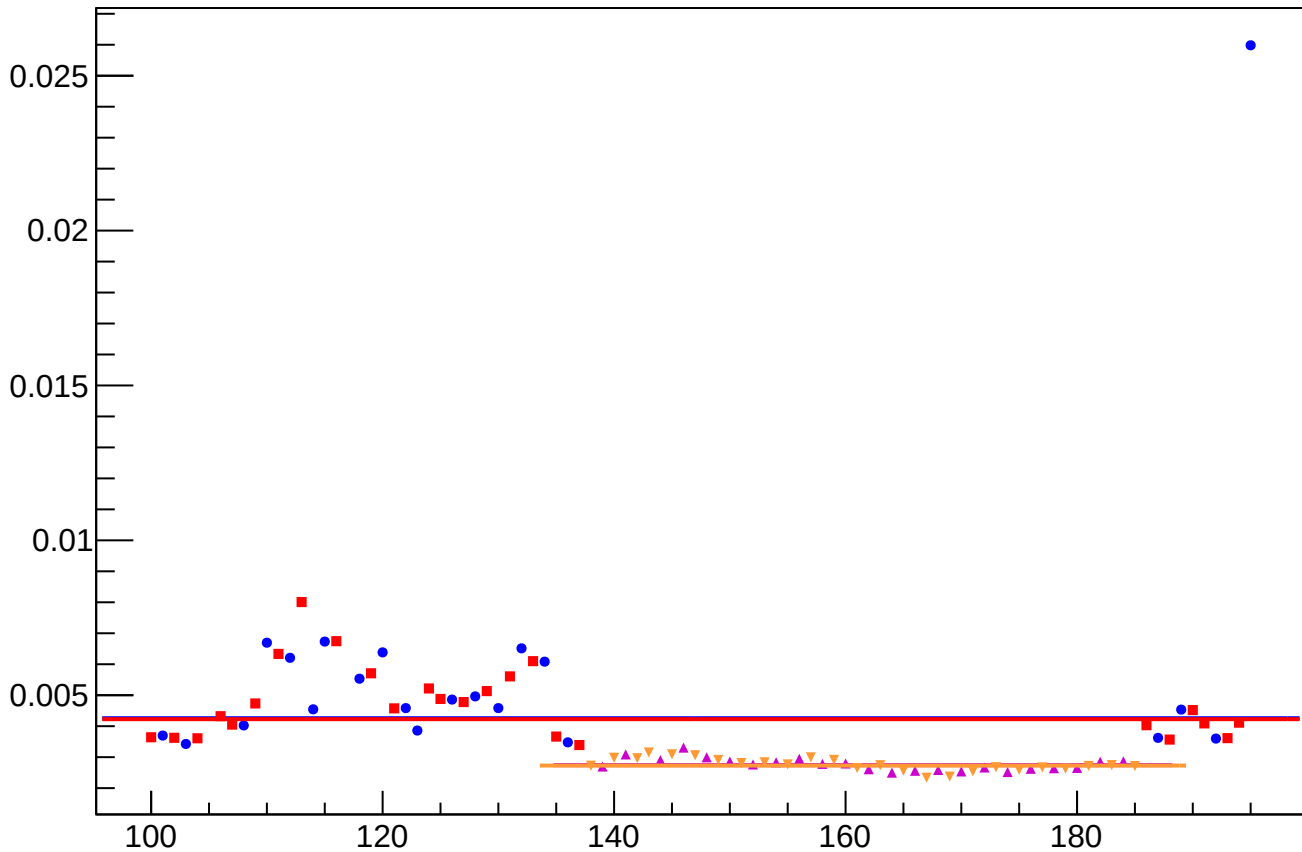
All: 0.011+/-0.000 χ^2/NDF : 2601552.6/93

- sign 0.011+/-0.000 χ^2/NDF : 1186893.0/47

yield_bpm0l08Y_mean vs Slug



yield_bpm0l08Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 1863129.7/20

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

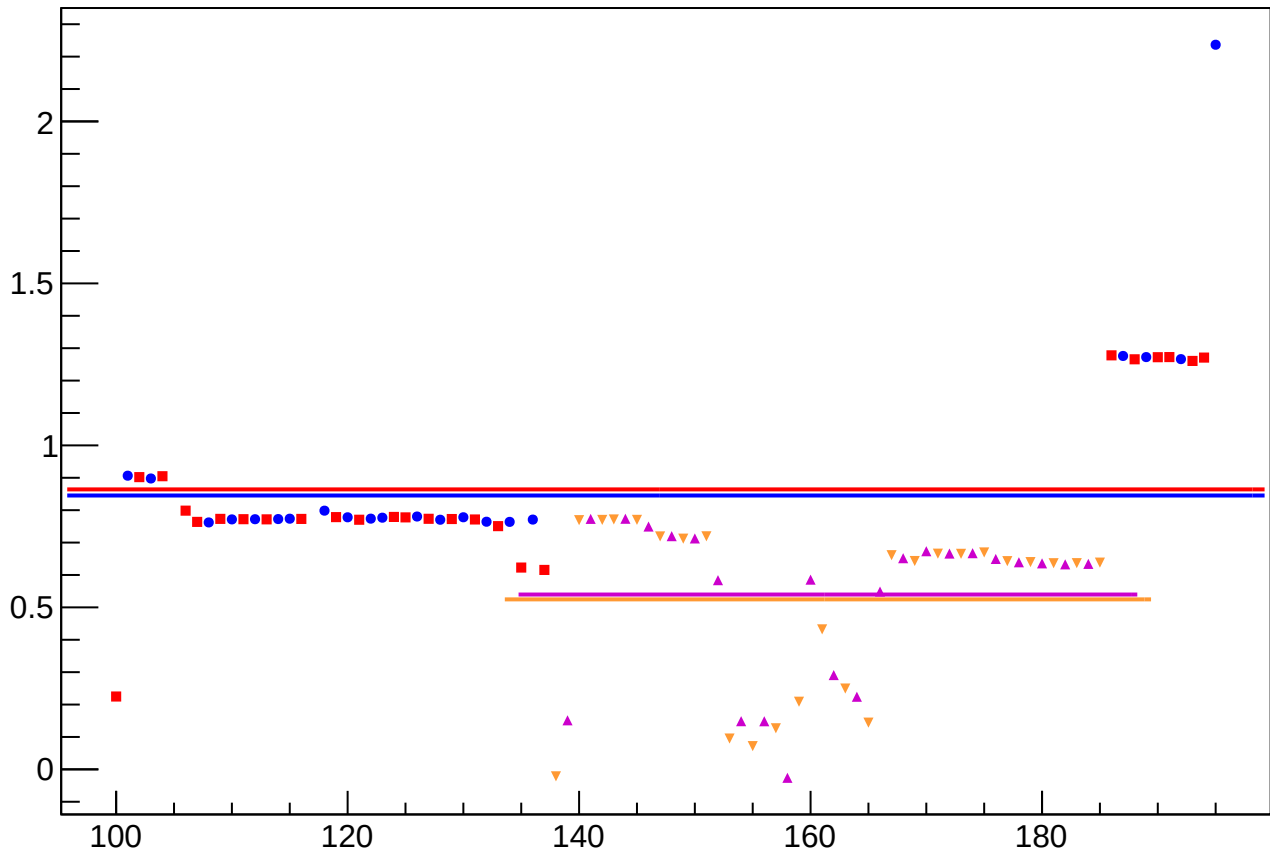
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:147778.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 3709237.3/45

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 6499184.0/93

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 2776897.2/47

yield_bpm0l09X_mean vs Slug



Right In: 0.845 $\pm$ 0.000 χ^2 /NDF: 1537255576.6/20

Left Out: 0.525 $\pm$ 0.000 χ^2 /NDF: 9623503169.9/24

Right Out: 0.864 $\pm$ 0.000 χ^2 /NDF: 3300188990.6/24

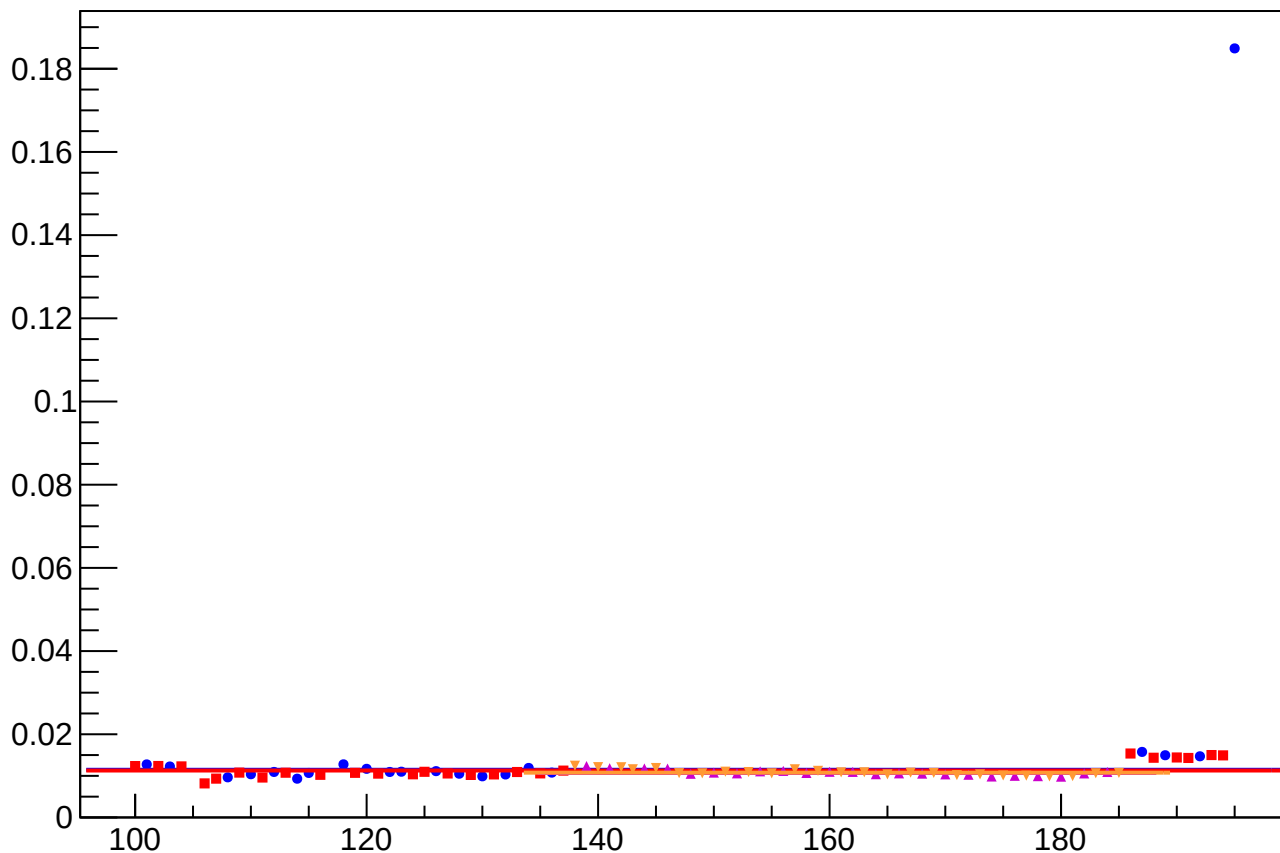
Left In: 0.540 $\pm$ 0.000 χ^2 /NDF: 7860539135.5/22

+ sign 0.616 $\pm$ 0.000 χ^2 /NDF: 15609806869.1/45

All: 0.634 $\pm$ 0.000 χ^2 /NDF: 32222637534.4/9

- sign 0.652 $\pm$ 0.000 χ^2 /NDF: 16470978145.4/47

yield_bpm0l09X_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 1762952.3/20

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:131630.9/24

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 543940.6/24

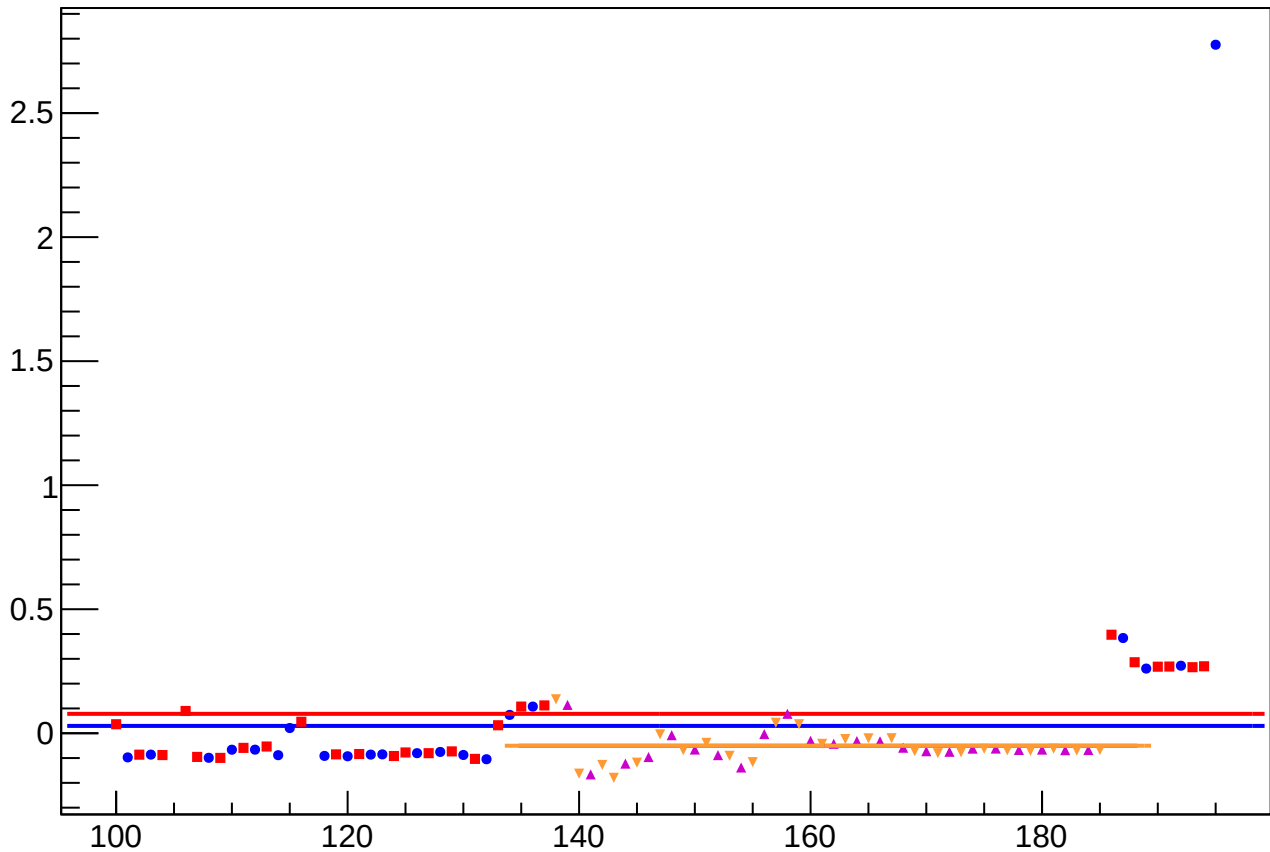
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:119273.2/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1935763.2/45

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 2635467.2/93

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 698683.0/47

yield_bpm0l09Y_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 8237241375.5/20

Left Out: -0.050+/-0.000 χ^2/NDF : 7271496478.6/24

+ sign -0.037+/-0.000 χ^2/NDF : 17511314337.2/45

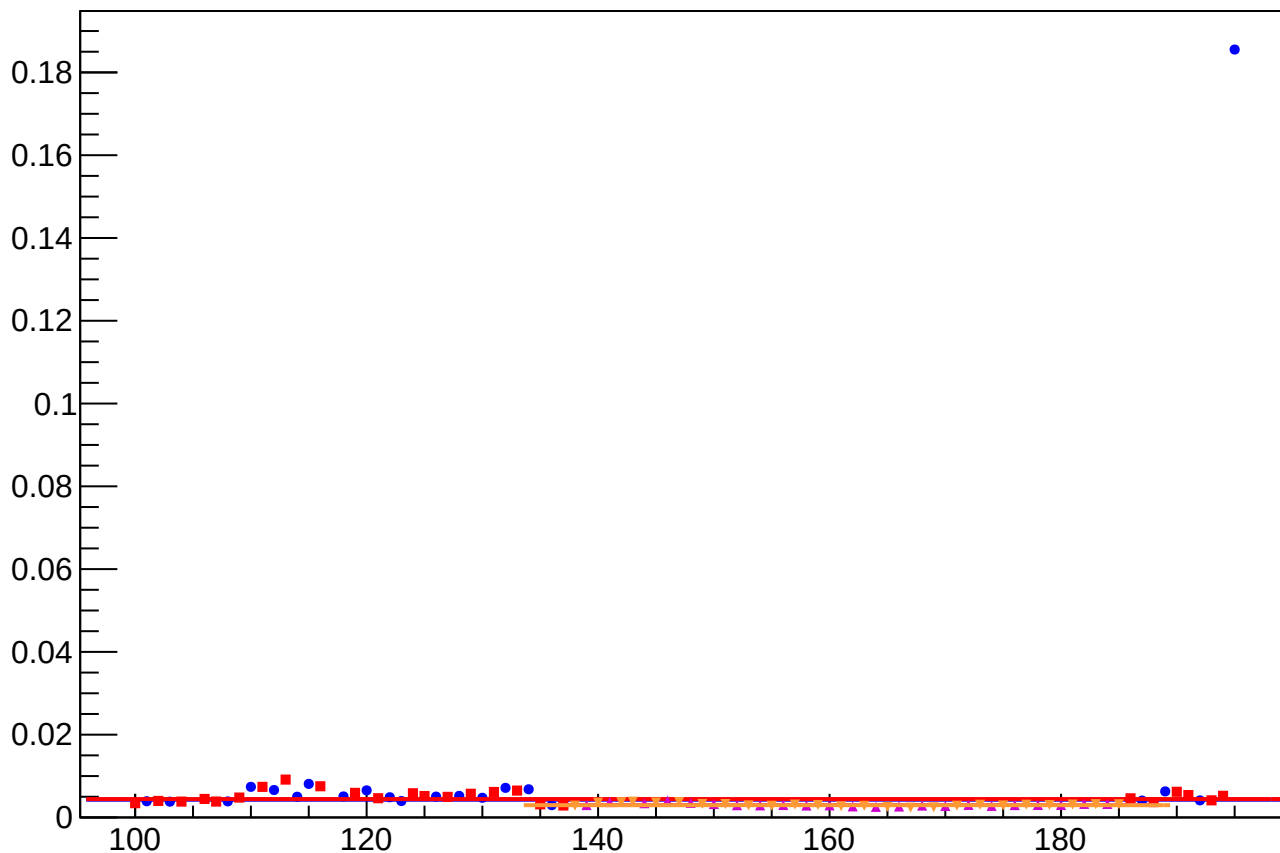
Right Out: 0.078+/-0.000 χ^2/NDF : 12300139001.8/24

All: -0.031+/-0.000 χ^2/NDF : 41975834147.3/47

- sign -0.025+/-0.000 χ^2/NDF : 24290834053.7/47

Left In: -0.051+/-0.000 χ^2/NDF : 6128769990.8/22

yield_bpm0l09Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 2577156.2/20

Left Out: 0.003+/-0.000 χ^2/NDF : 499039.1/24

Right Out: 0.004+/-0.000 χ^2/NDF : 1130579.8/24

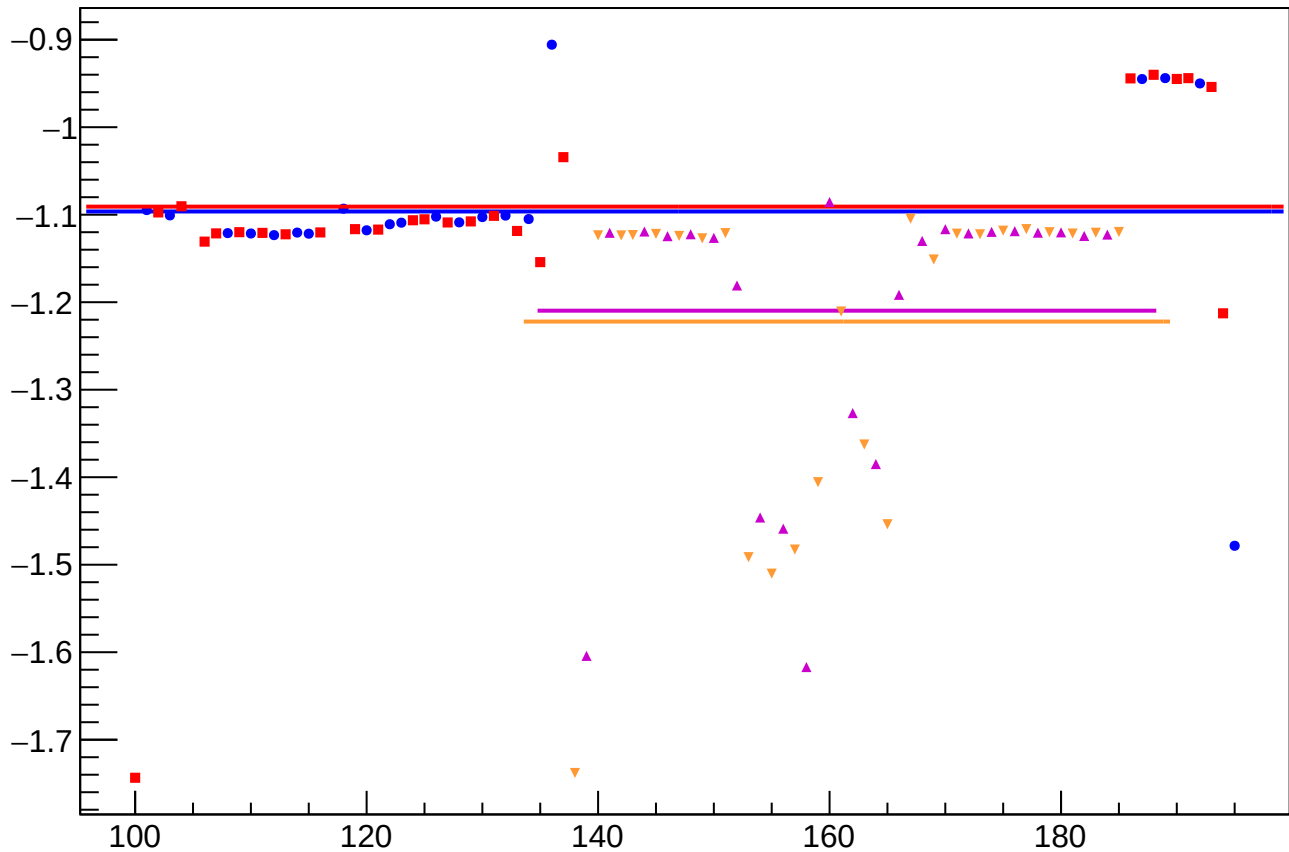
Left In: 0.003+/-0.000 χ^2/NDF : 329068.1/22

+ sign 0.003+/-0.000 χ^2/NDF : 4173966.7/45

All: 0.003+/-0.000 χ^2/NDF : 7107957.0/93

- sign 0.003+/-0.000 χ^2/NDF : 2906525.4/47

yield_bpm0l10X_mean vs Slug



Right In: -1.096+/-0.000 χ^2/NDF : 1128156242.3/20

Left Out: -1.222+/-0.000 χ^2/NDF : 5279548861.3/24

Right Out: -1.091+/-0.000 χ^2/NDF : 667078926.7/24

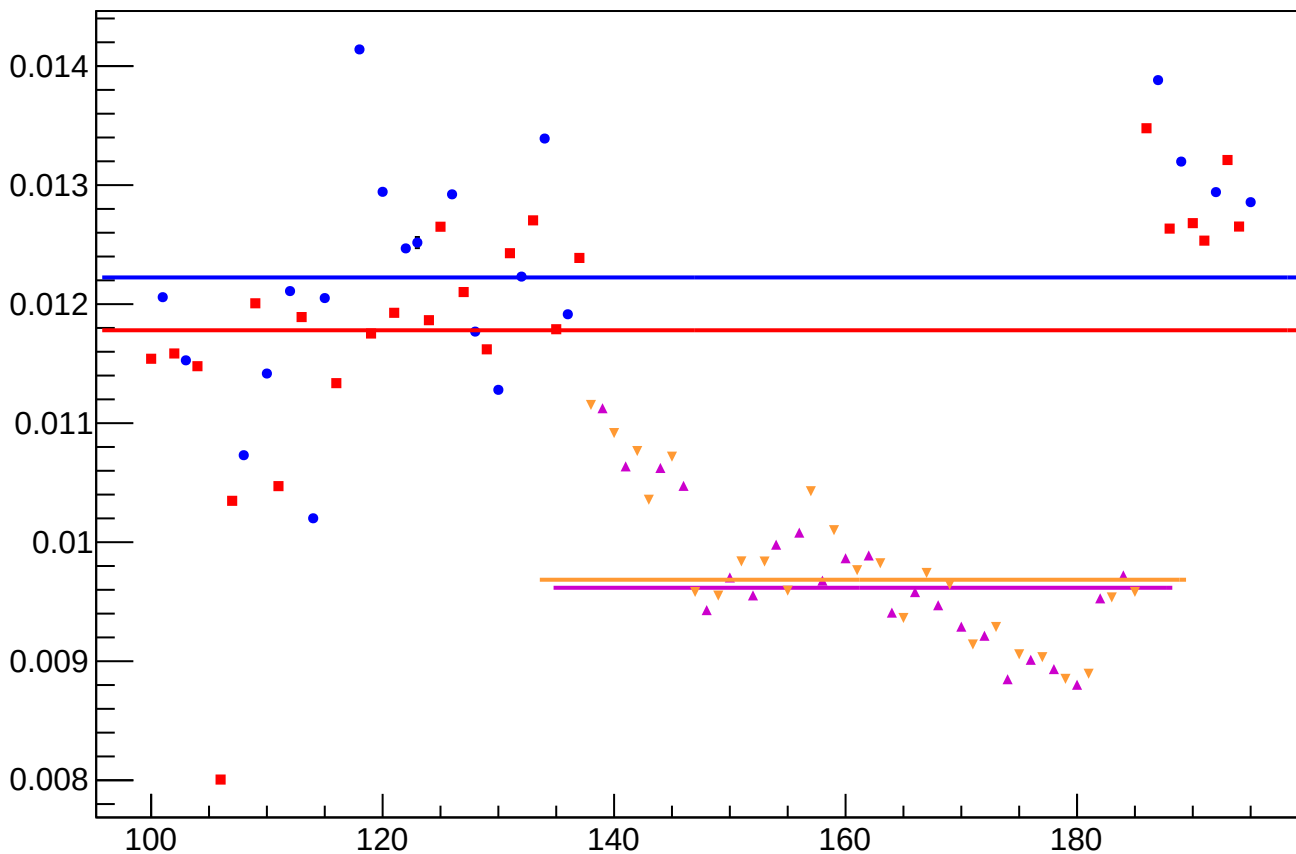
Left In: -1.210+/-0.000 χ^2/NDF : 4502367902.8/22

+ sign -1.192+/-0.000 χ^2/NDF : 7114326676.1/45

All: -1.184+/-0.000 χ^2/NDF : 13057978512.9

- 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: 82541.2/20

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

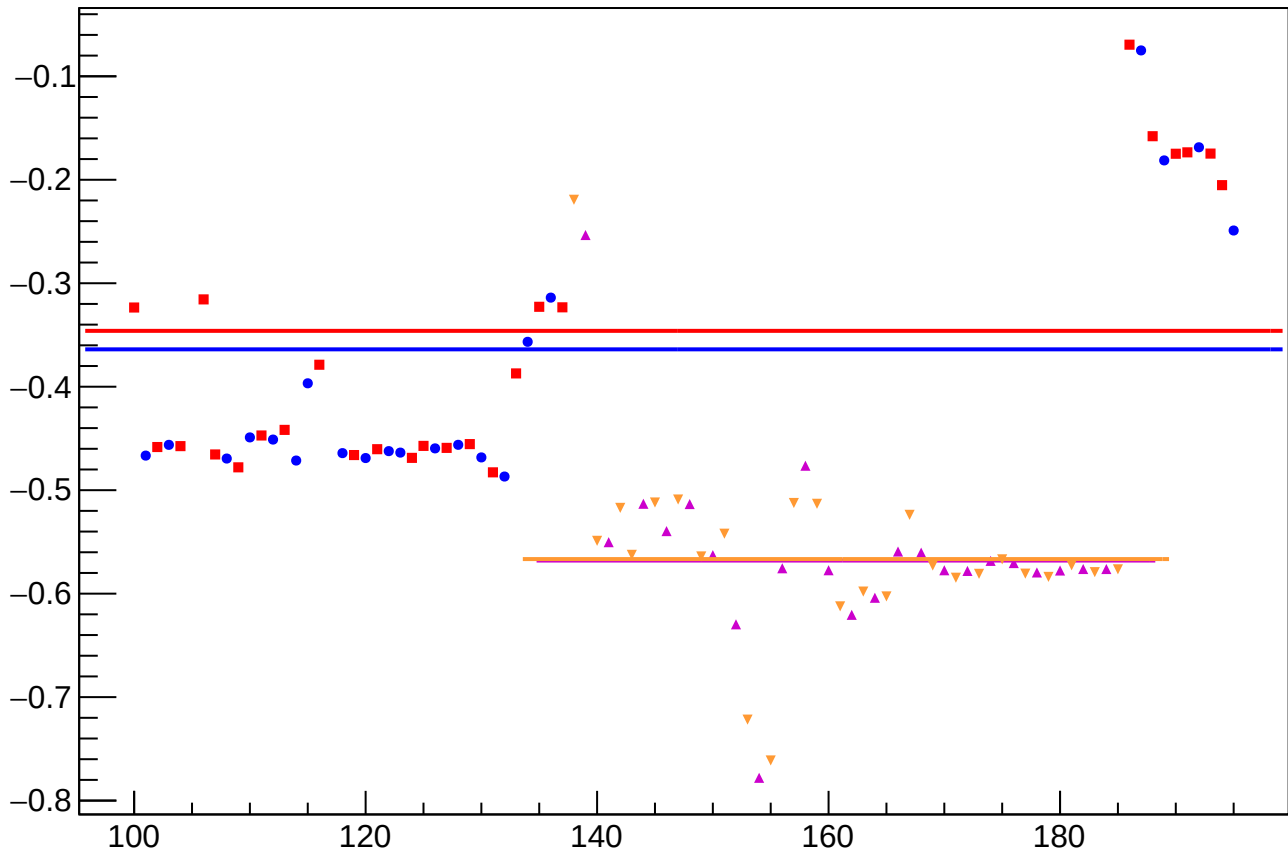
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:119823.1/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 793313.7/45

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 1621801.7/93

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 828018.6/47

yield_bpm0l10Y_mean vs Slug



Right In: -0.364 ± 0.000 χ^2/NDF : 7336414472.5/20

Left Out: -0.567 ± 0.000 χ^2/NDF : 13368458519.3/24

Right Out: -0.346 ± 0.000 χ^2/NDF : 9918013710.6/24

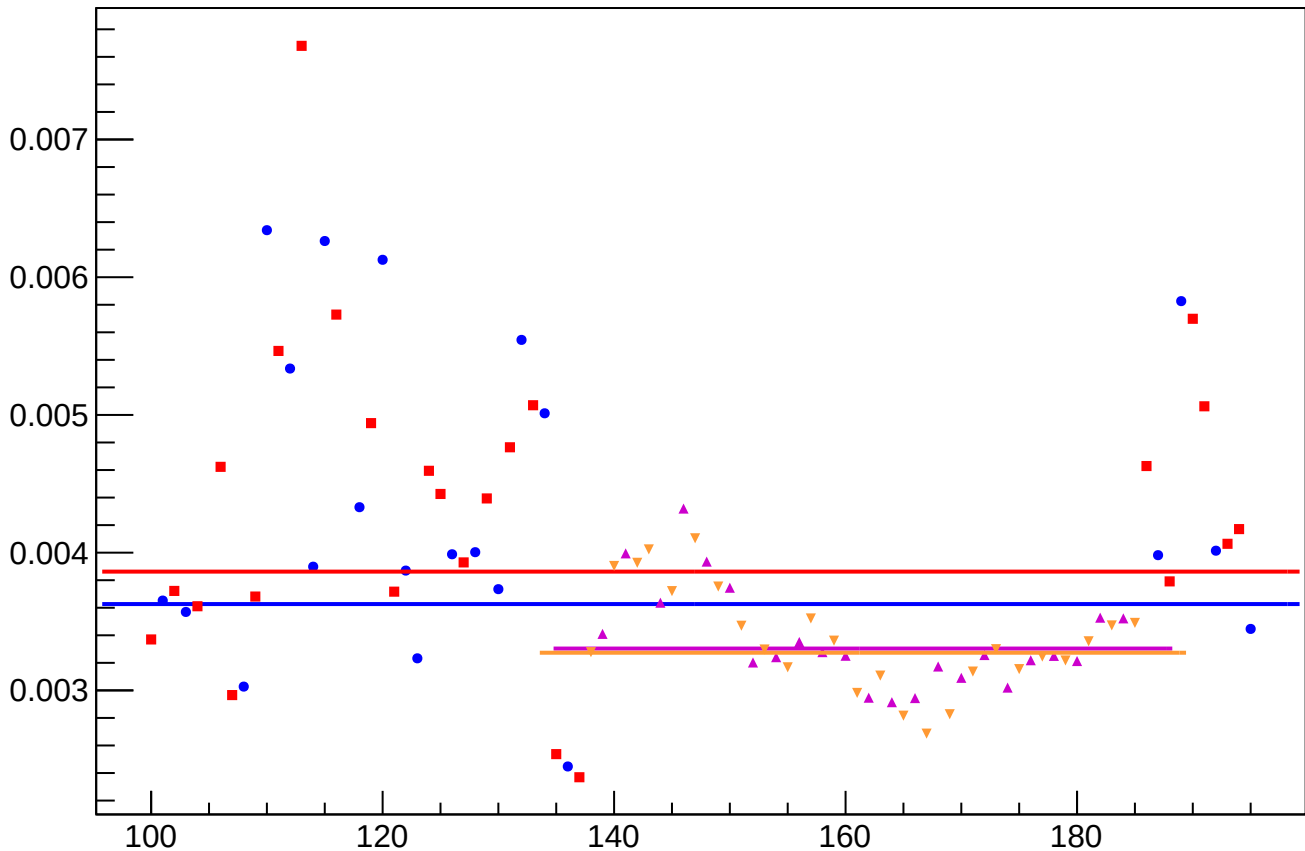
Left In: -0.568 ± 0.000 χ^2/NDF : 10458990019.9/22

+ sign -0.513 ± 0.000 χ^2/NDF : 38152156871.7/45

All: -0.508 ± 0.000 χ^2/NDF : 79666991985.1

- 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: 991126.4/20

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

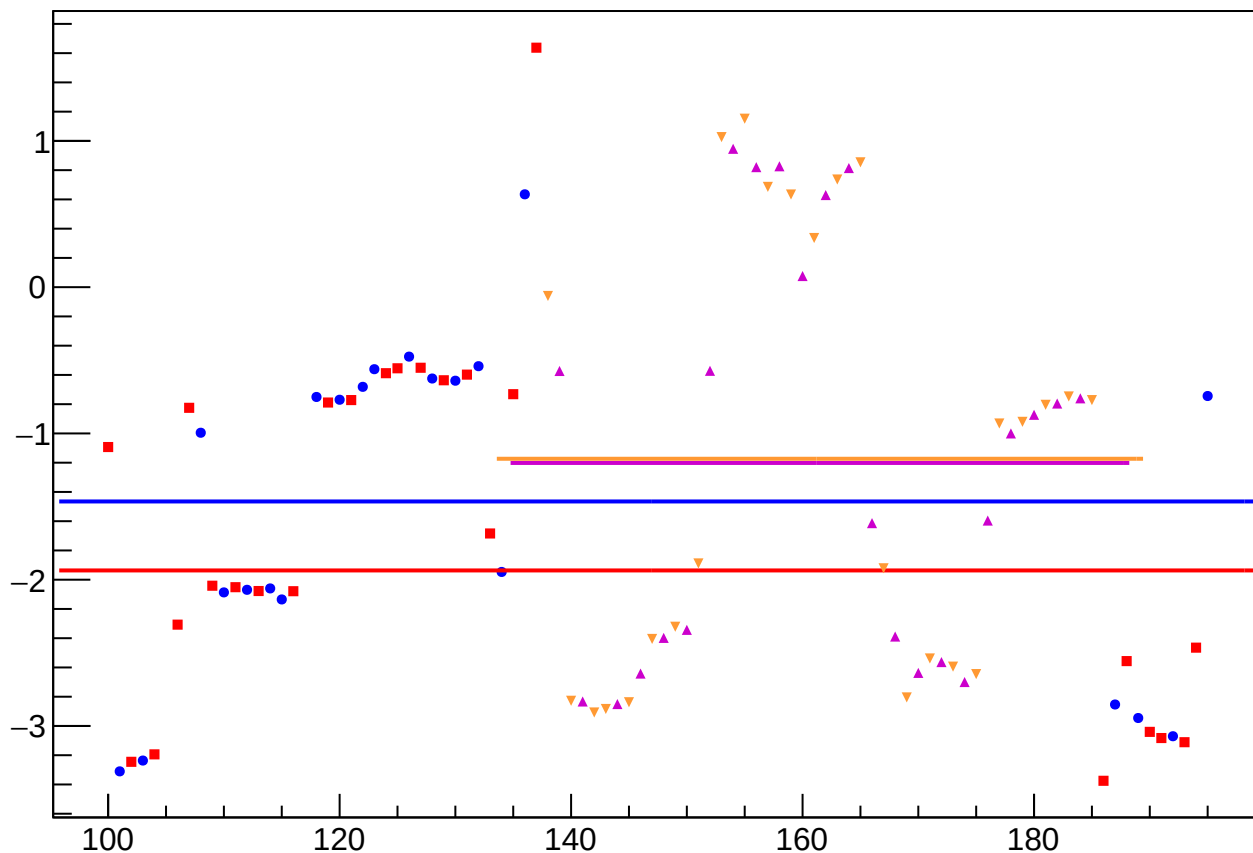
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:286064.1/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1492017.8/45

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3092992.6/93

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1580520.5/47

yield_bpm0r03X_mean vs Slug



Right In: -1.465+/-0.000 χ^2/NDF : 2815008296.6/20

Left Out: -1.173+/-0.000 χ^2/NDF : 6882684653.2/24

Right Out: -1.937+/-0.000 χ^2/NDF : 2507135139.6/24

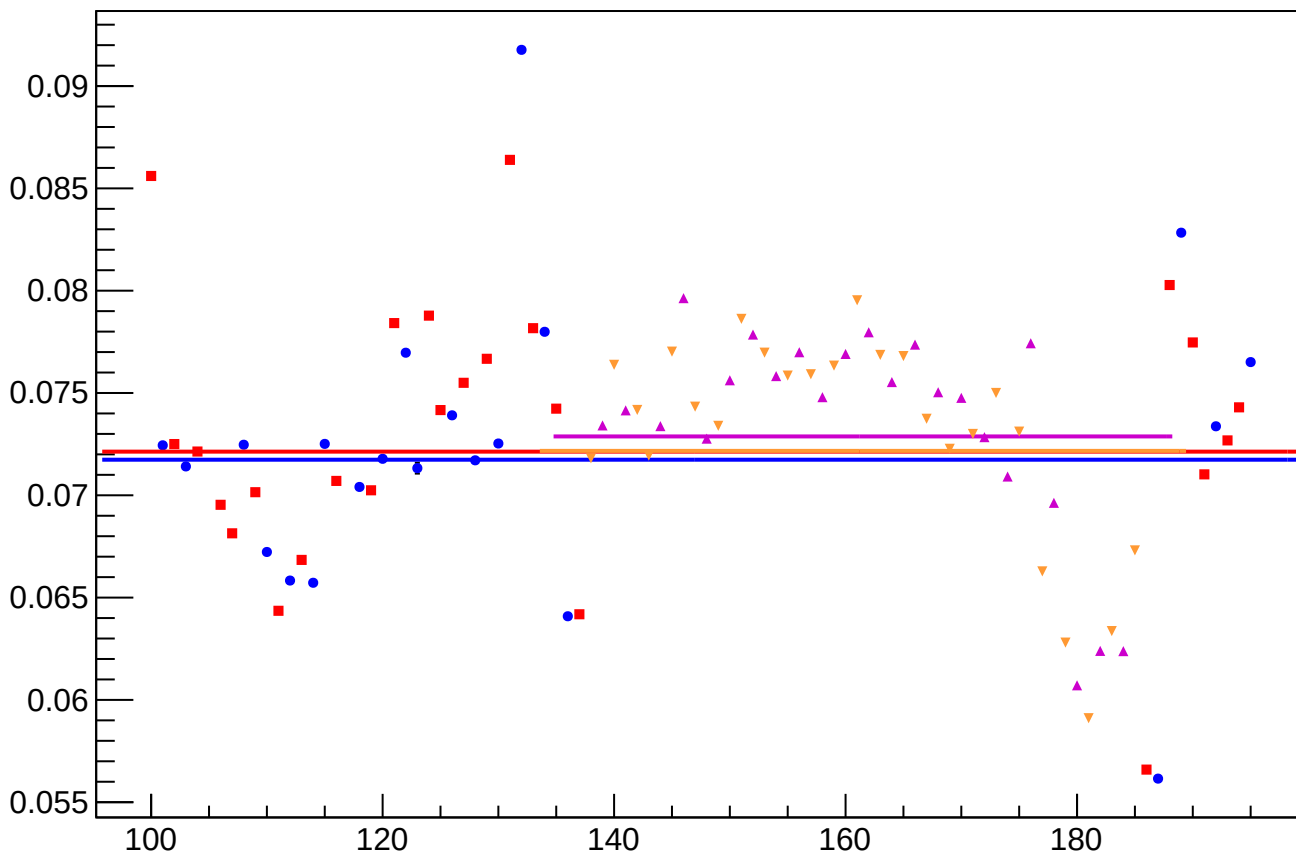
Left In: -1.202+/-0.000 χ^2/NDF : 5606782515.9/22

+ sign -1.270+/-0.000 χ^2/NDF : 9795755520.9/45

All: -1.376+/-0.000 χ^2/NDF : 18686791844.0/47

- sign -1.483+/-0.000 χ^2/NDF : 8773782719.9/47

yield_bpm0r03X_rms vs Slug



Right In: 0.072 $\pm$ 0.000 χ^2 /NDF: 124468.3/20

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

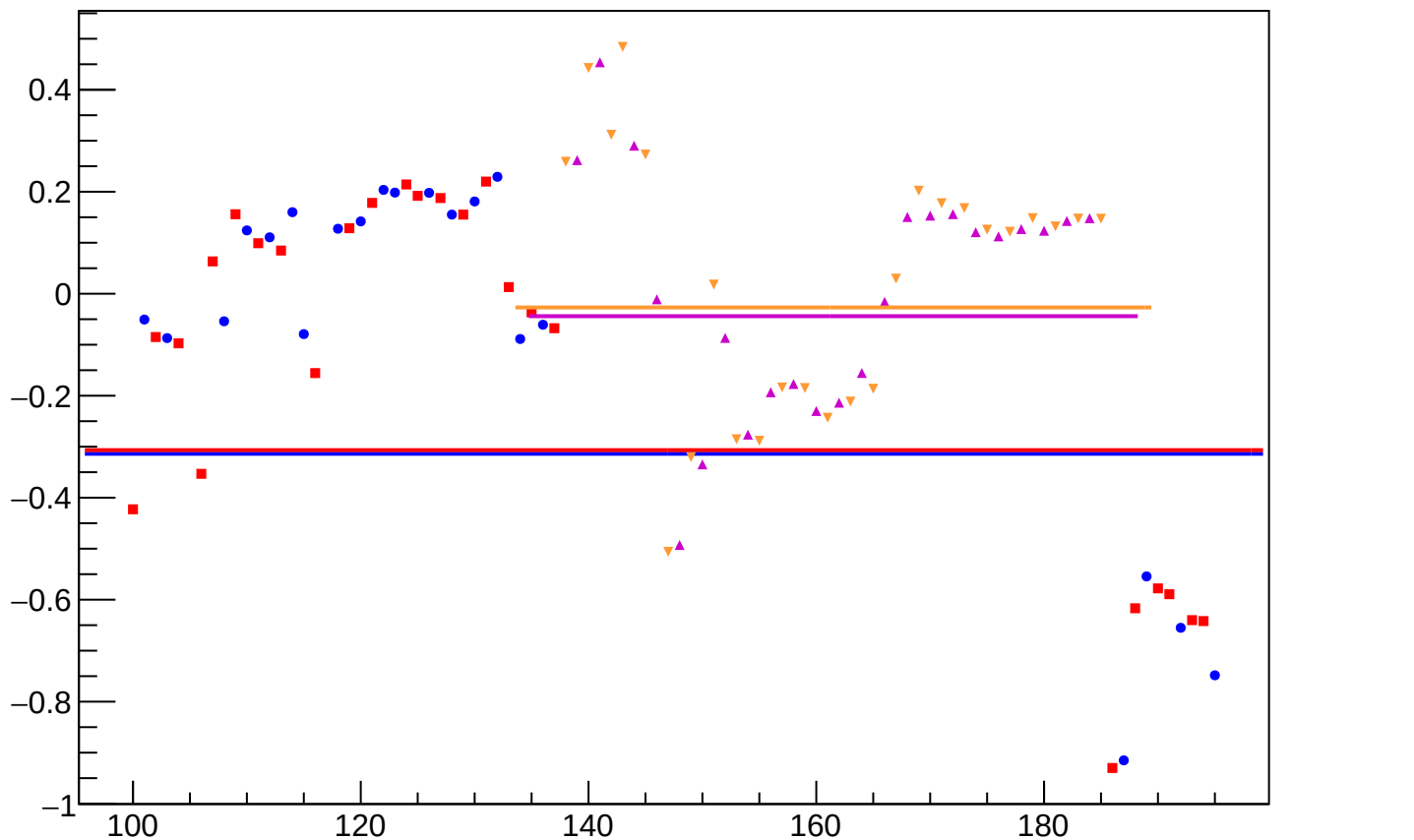
Left In: 0.073 $\pm$ 0.000 χ^2 /NDF:183503.0/22

+ sign 0.072 $\pm$ 0.000 χ^2 /NDF: 347160.8/45

All: 0.072 $\pm$ 0.000 χ^2 /NDF: 680910.4/93

- sign 0.073 $\pm$ 0.000 χ^2 /NDF: 332094.2/47

yield_bpm0r03Y_mean vs Slug



Right In: -0.314 ± 0.000 χ^2/NDF : 11912854624.3/20

Left Out: -0.027 ± 0.000 χ^2/NDF : 20376761328.6/24

Right Out: -0.307 ± 0.000 χ^2/NDF : 10022787953.3/24

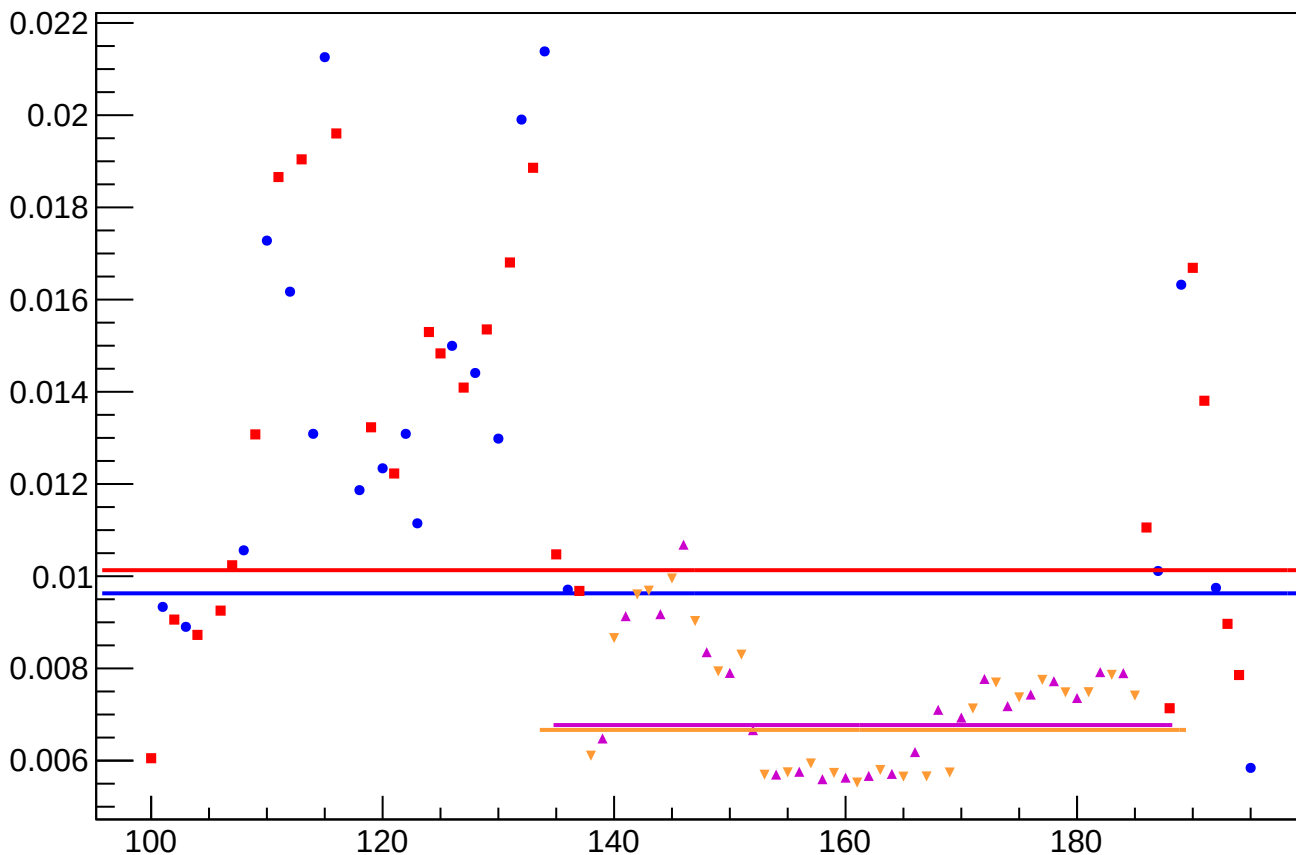
Left In: -0.044 ± 0.000 χ^2/NDF : 15718556282.1/22

+ sign -0.077 ± 0.000 χ^2/NDF : 37746003482.5/45

All: -0.086 ± 0.000 χ^2/NDF : 68183115148.8/47

- sign -0.095 ± 0.000 χ^2/NDF : 30366358513.8/47

yield_bpm0r03Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1810928.9/20

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

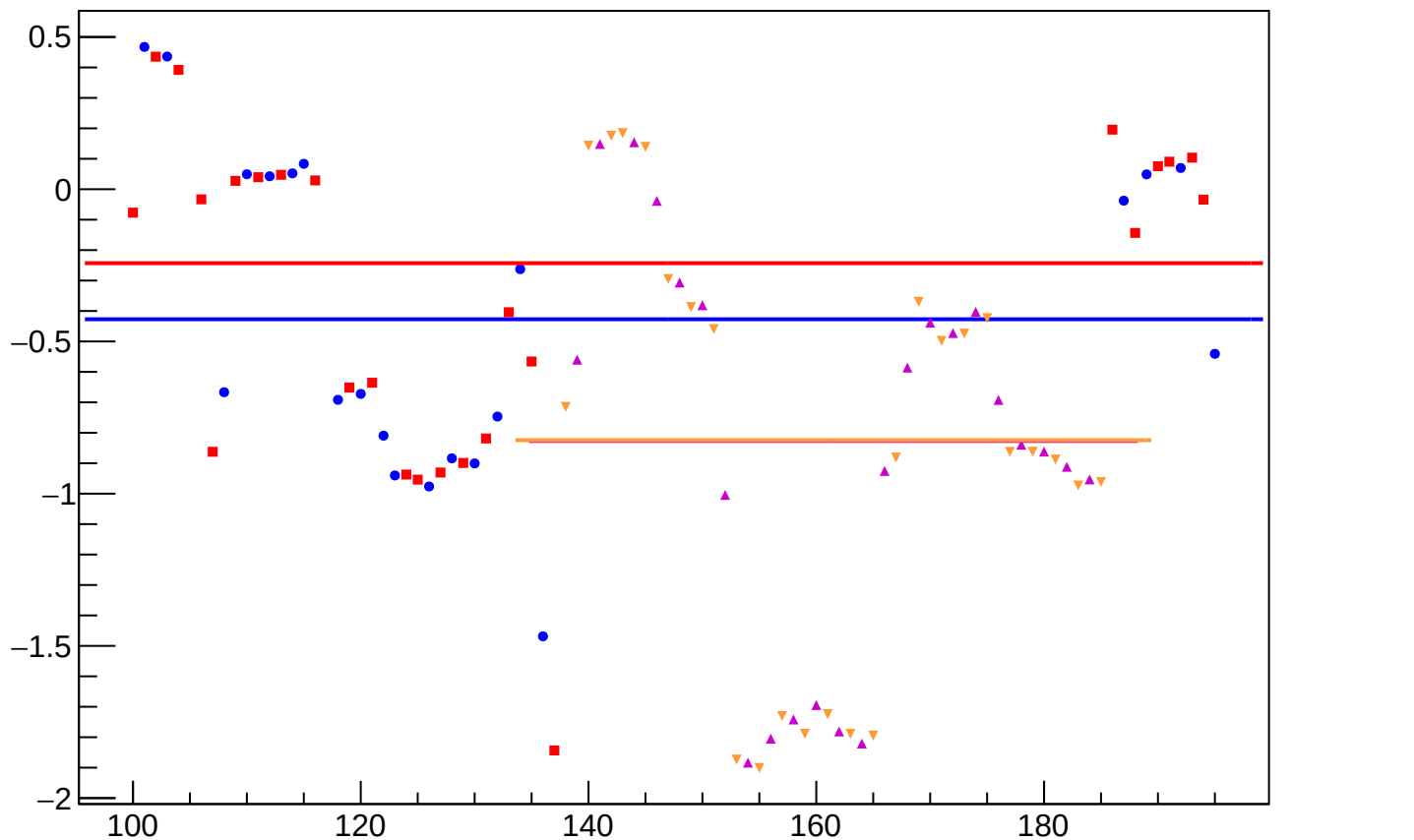
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:934050.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4117635.8/45

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 8277911.7/93

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4135005.2/47

yield_bpm0r05X_mean vs Slug



Right In: -0.427+/-0.000 χ^2/NDF : 390005514.4/20

Left Out: -0.824+/-0.000 χ^2/NDF : 1103610806.5/24

Right Out: -0.243+/-0.000 χ^2/NDF : 324578420.6/24

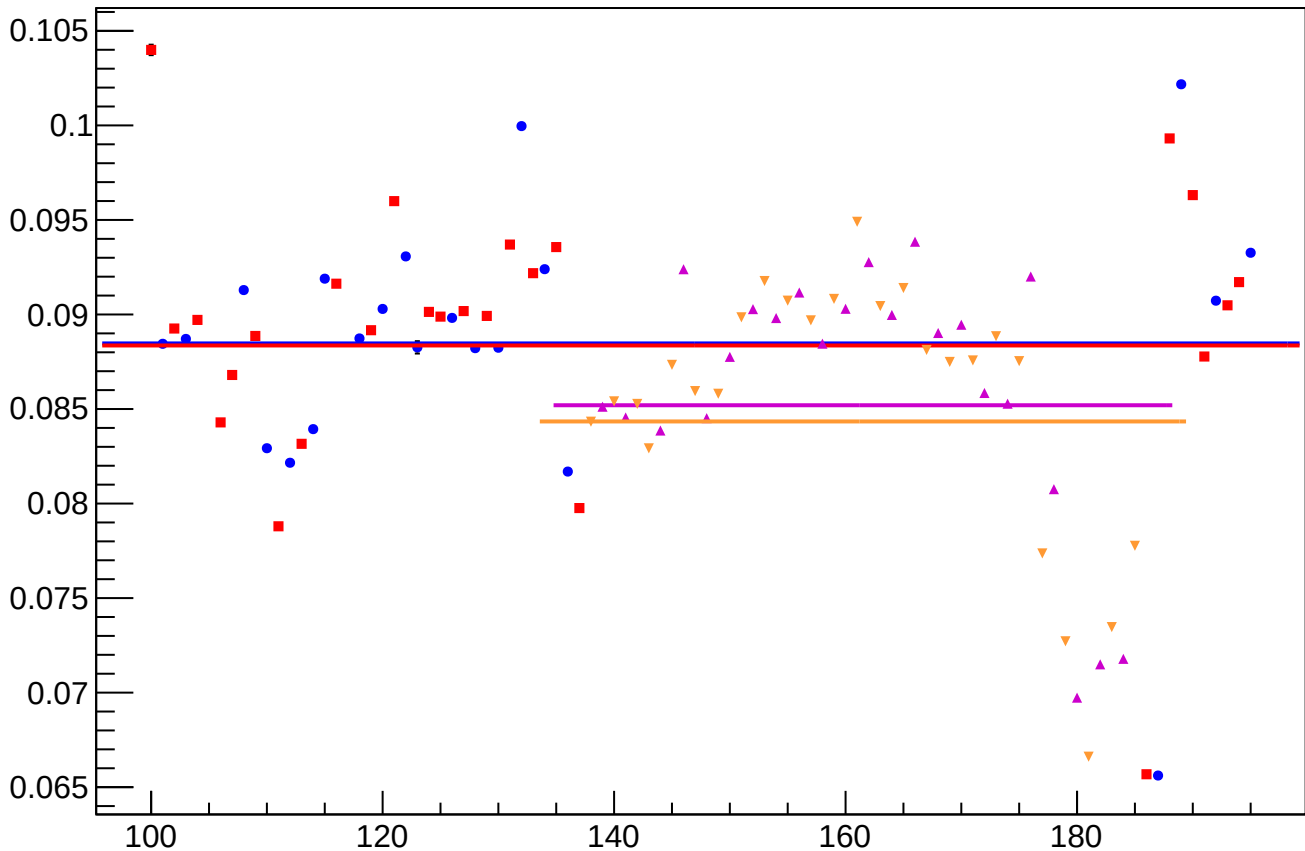
Left In: -0.827+/-0.000 χ^2/NDF : 921651117.3/22

+ sign -0.701+/-0.000 χ^2/NDF : 1618710781.3/45

All: -0.658+/-0.000 χ^2/NDF : 3169555793.0/9

- 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: 94594.8/20

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

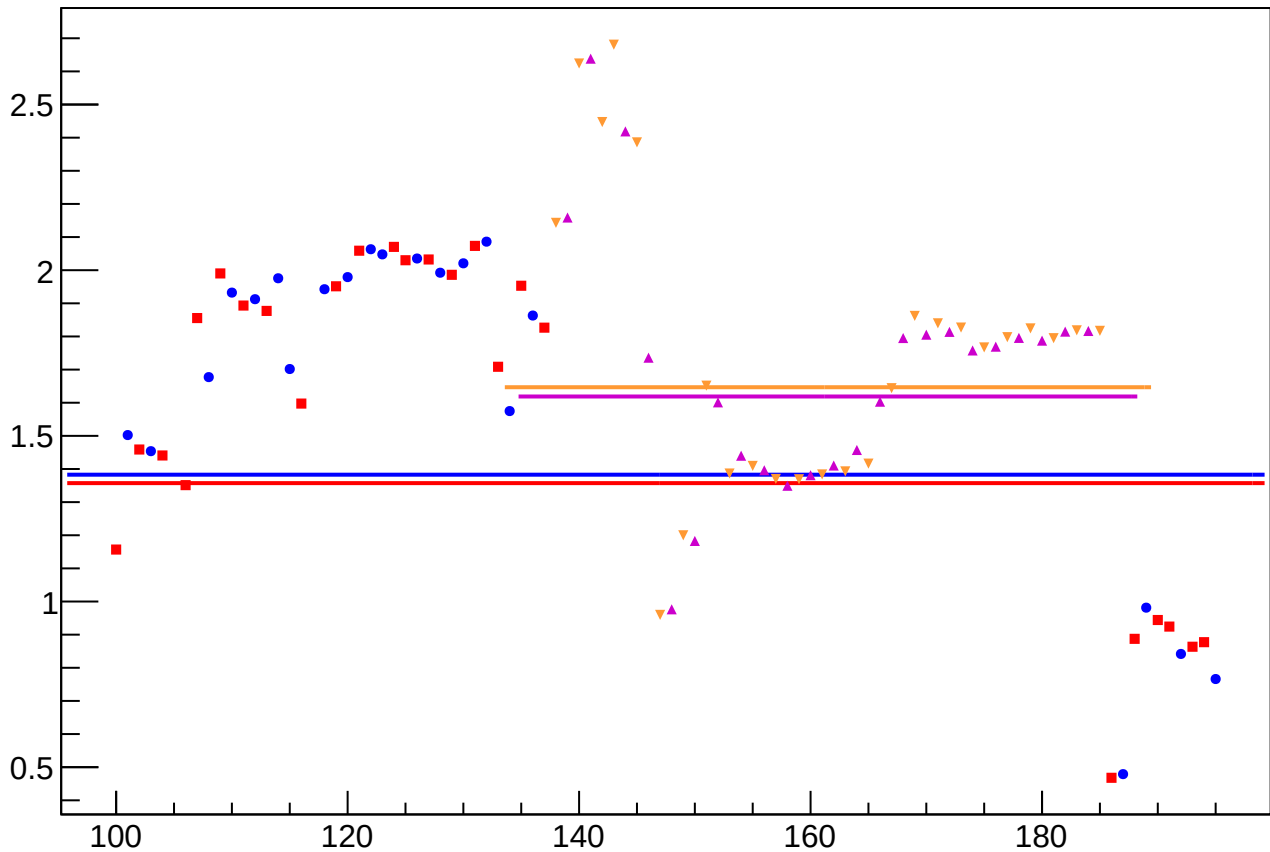
Left In: 0.085 $\pm$ 0.000 χ^2 /NDF:238313.9/22

+ sign 0.086 $\pm$ 0.000 χ^2 /NDF: 409914.3/45

All: 0.086 $\pm$ 0.000 χ^2 /NDF: 826156.1/93

- sign 0.086 $\pm$ 0.000 χ^2 /NDF: 414324.0/47

yield_bpm0r05Y_mean vs Slug



Right In: 1.383 $\pm$ 0.000 χ^2 /NDF: 12359079380.3/20

Left Out: 1.647 $\pm$ 0.000 χ^2 /NDF: 26535241545.7/24

Right Out: 1.357 $\pm$ 0.000 χ^2 /NDF: 11157737891.2/24

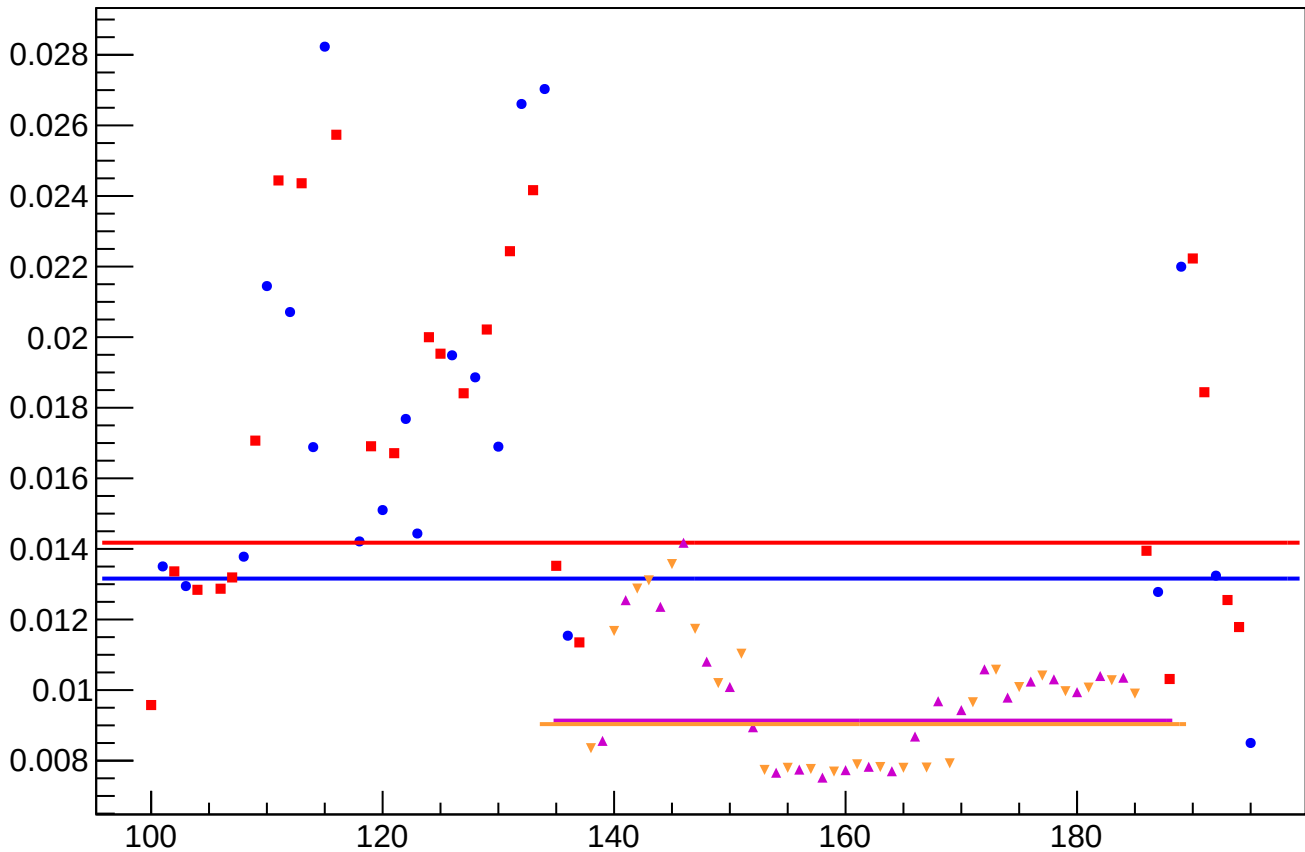
Left In: 1.619 $\pm$ 0.000 χ^2 /NDF: 20618198188.1/22

+ sign 1.601 $\pm$ 0.000 χ^2 /NDF: 41423648291.3/45

All: 1.586 $\pm$ 0.000 χ^2 /NDF: 75745402209.6/9

- sign 1.570 $\pm$ 0.000 χ^2 /NDF: 34208379349.6/47

yield_bpm0r05Y_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1439892.5/20

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

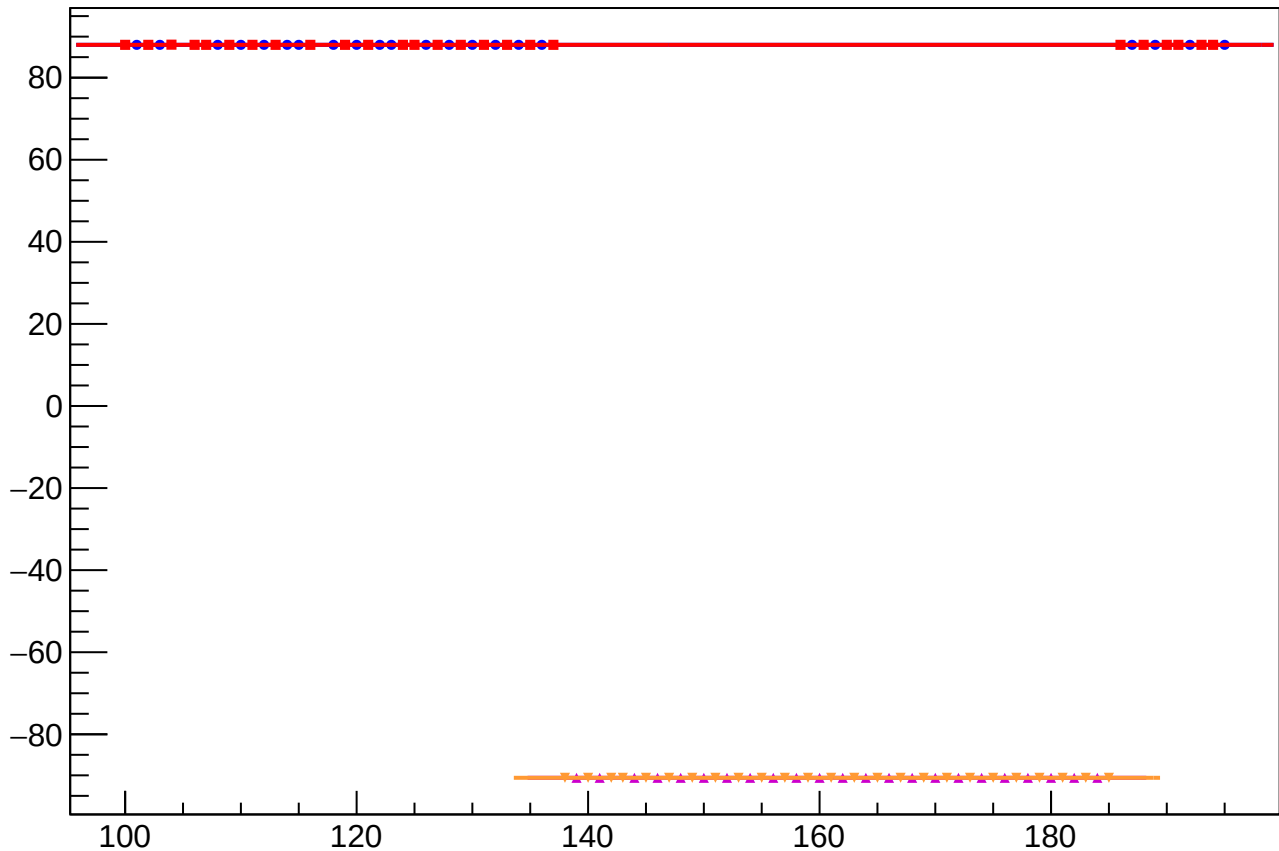
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:878356.2/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3717052.6/45

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 7714669.5/93

- 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: 2807082.6/20

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

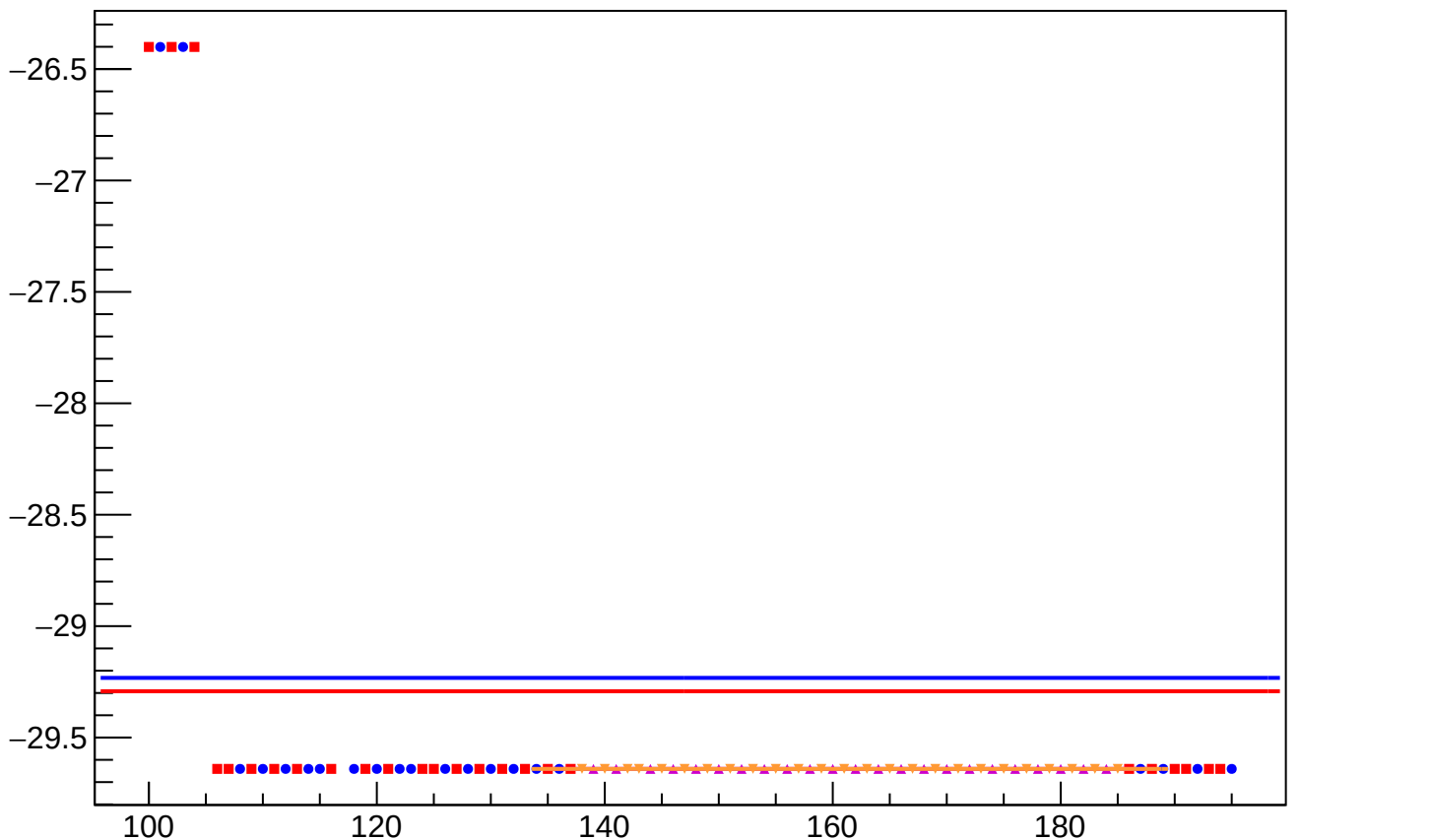
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 7134230.8/22

+ sign -31.757 $\pm$ 0.000 χ^2 /NDF: 200199276722280

All: -27.659 $\pm$ 0.000 χ^2 /NDF: 416035325284

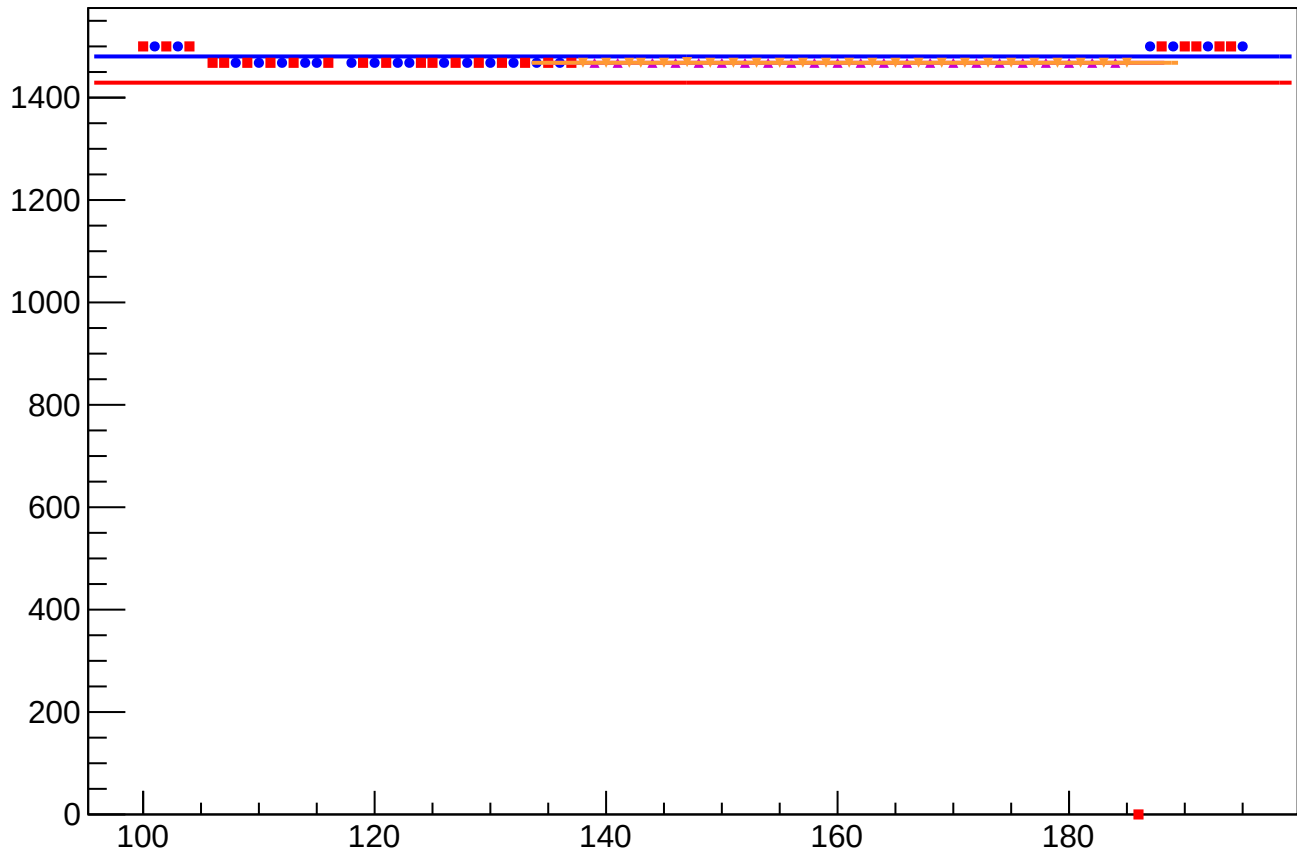
- sign -23.608 $\pm$ 0.000 χ^2 /NDF: 2148871997612975

epics_HWienAngles_mean vs Slug



Right In: -29.232+/-0.000 χ^2/NDF : 1082553784615390088674051346137088.0/20
 Left Out: -29.641+/-0.000 χ^2/NDF : 530354.3/24 + sign -29.506+/-0.000 χ^2/NDF : 118726710538541
 Right Out: -29.292+/-0.000 χ^2/NDF : 1086686622634506947920376658657280.0/24 All: -29.508+/-0.000 χ^2/NDF : 235585981984
 Left In: -29.641+/-0.000 χ^2/NDF : 382603.8/22 - sign -29.510+/-0.000 χ^2/NDF : 1168572085177429

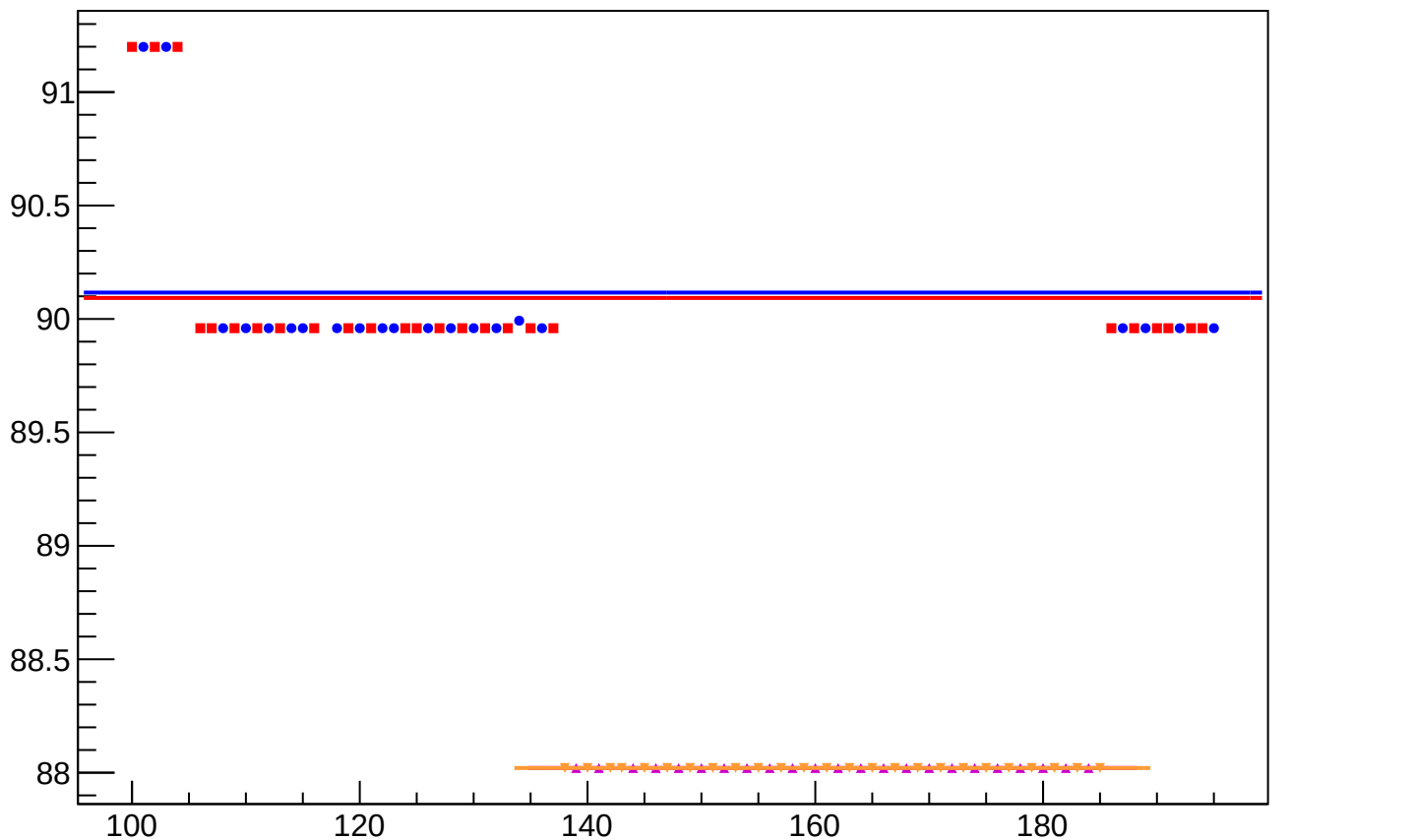
epics_psub_pl_poss_mean vs Slug



Right In: 1480.398+/-0.000 χ^2/NDF : 227859006347035728028390099448233984.0/20
Left Out: 1468.048+/-0.000 χ^2/NDF : 127949199501977668488138456039424.0/24
Right Out: 1429.184+/-0.000 χ^2/NDF : 80712131840734480315290584516411785216.0/24
Left In: 1467.994+/-0.000 χ^2/NDF : 144497772795444989723550941184.0/22

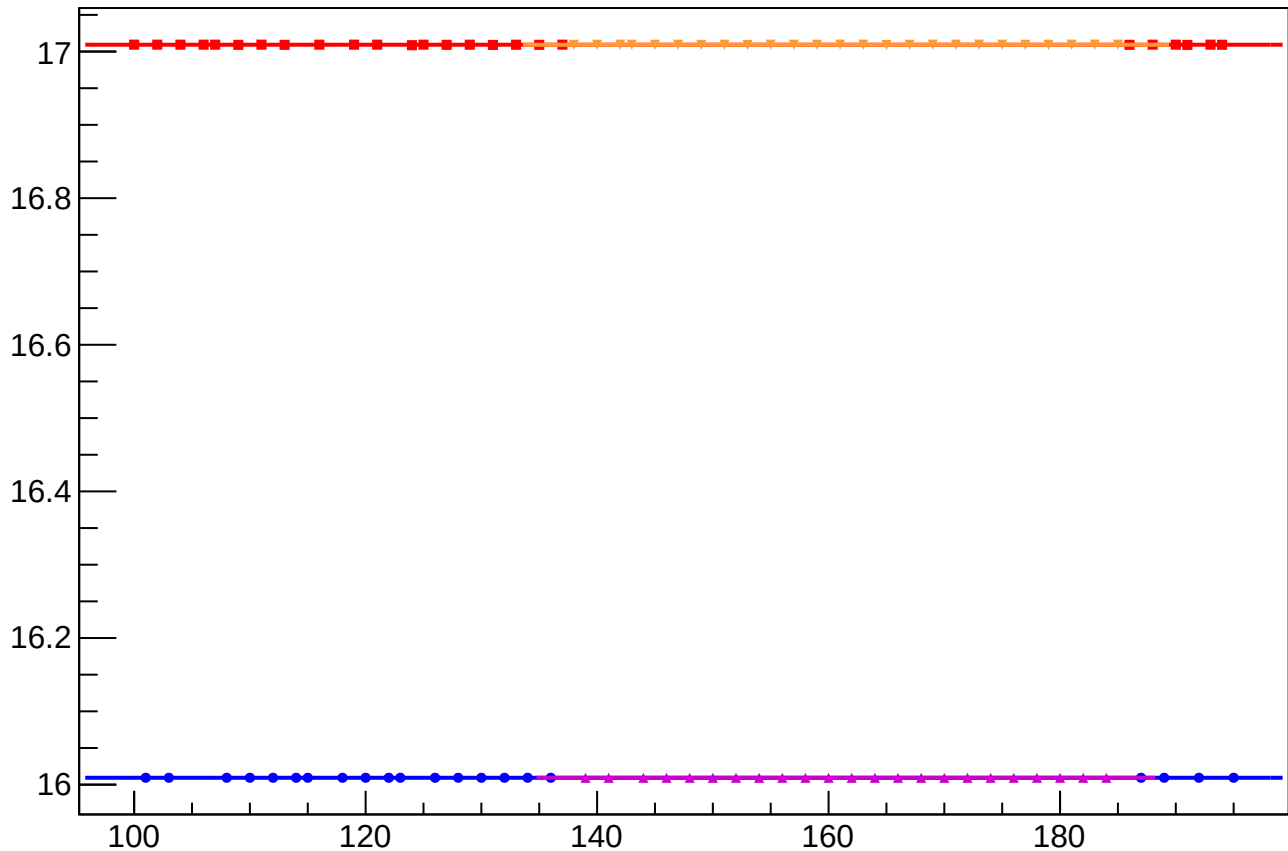
+ sign 1472.117+/-0.000 χ^2/NDF : 32371301945791
All: 1462.723+/-0.000 χ^2/NDF : 82549051965
- sign 1453.437+/-0.000 χ^2/NDF : 81726798490684

epics_Phi_FGs_mean vs Slug



Right In: 90.116 $\pm$ 0.000 χ^2 /NDF: 158368791402850689084179974455296.0/20
 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
 + sign 88.711 $\pm$ 0.000 χ^2 /NDF: 2914762514018219
 All: 88.755 $\pm$ 0.000 χ^2 /NDF: 5976886013718
 - sign 88.798 $\pm$ 0.000 χ^2 /NDF: 3051371513410014

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2/NDF : 141199.8/20

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

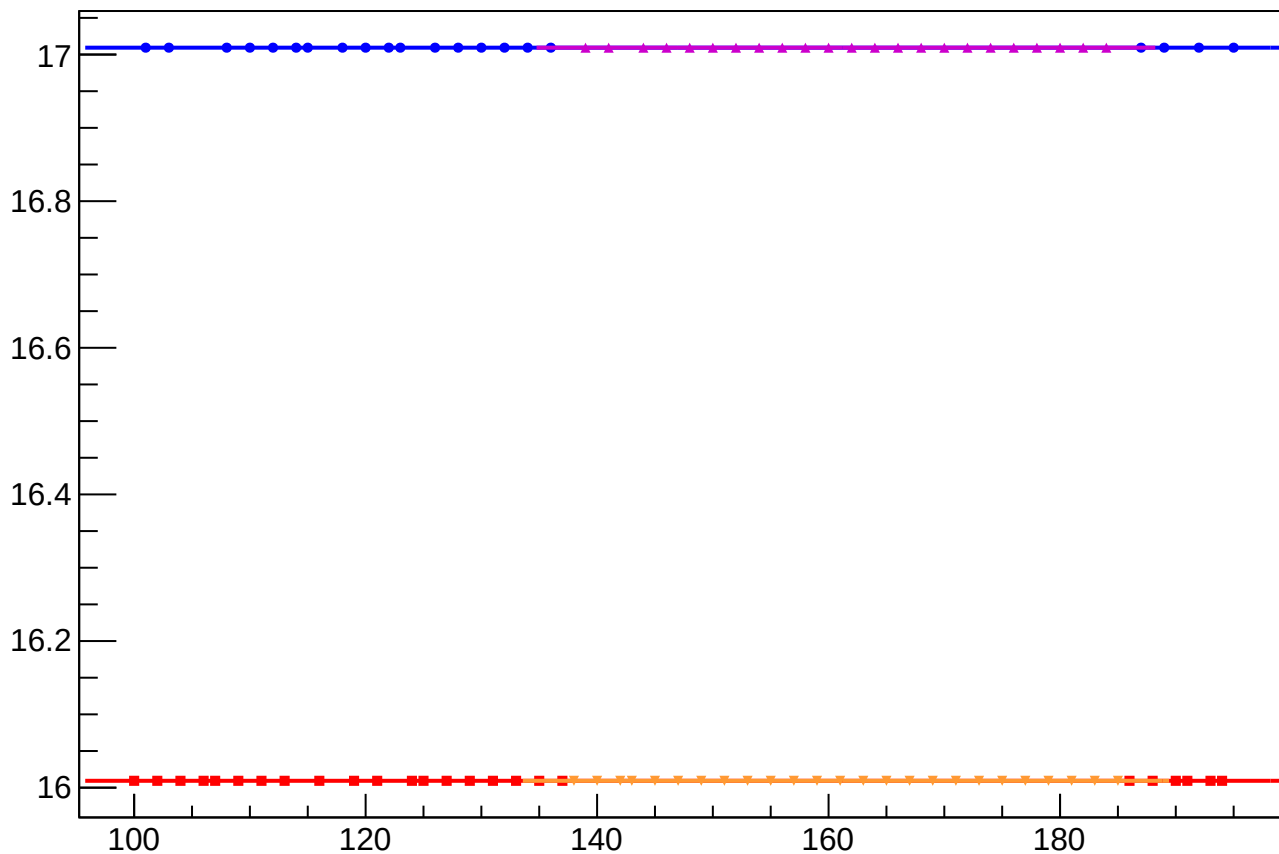
Left In: 16.009 $\pm$ 0.000 χ^2/NDF : 127920993667935400624128.0/22

+ sign 16.671 $\pm$ 0.000 χ^2/NDF : 5982534739033754

All: 16.529 $\pm$ 0.000 χ^2/NDF : 1335944511011

- 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: 197152.1/20

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

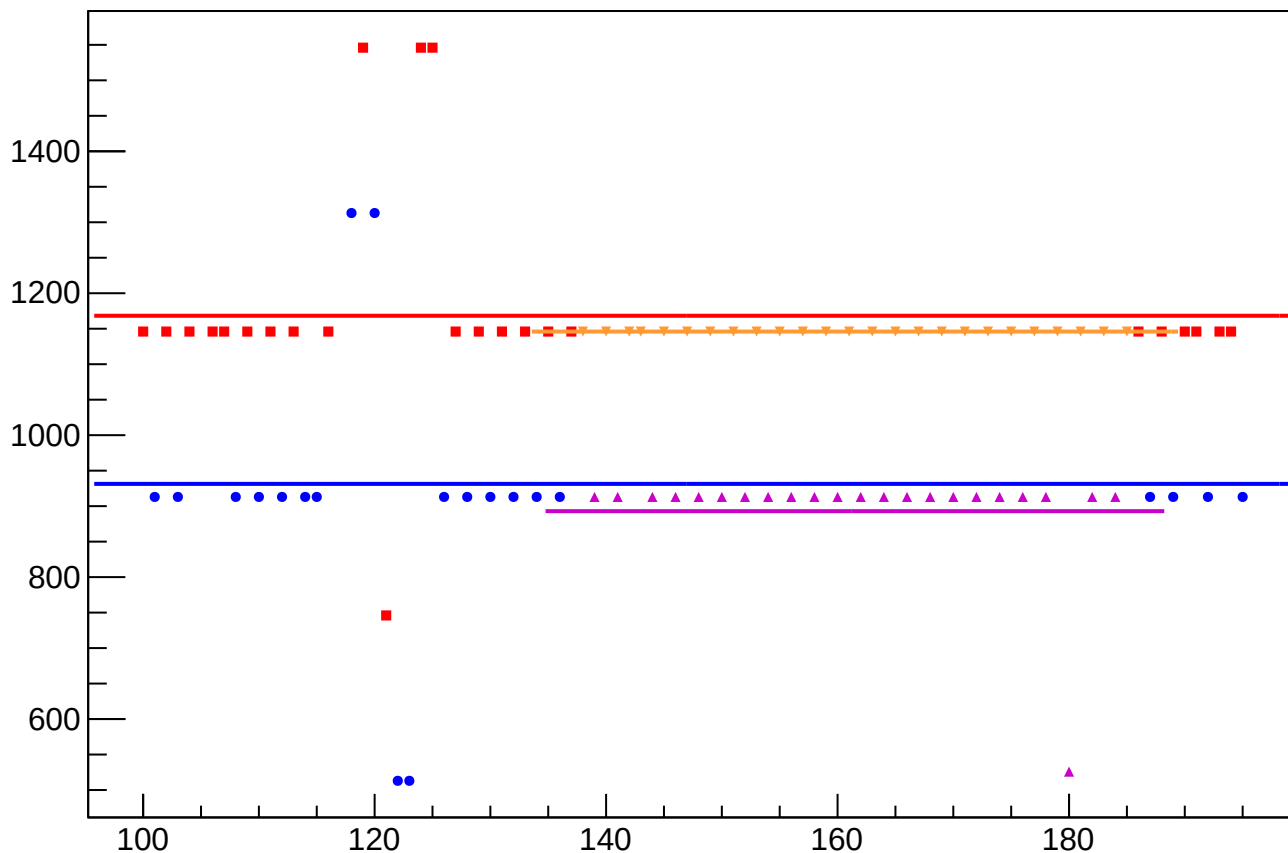
Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 114986101427233622065152.0/22

+ sign 16.334 $\pm$ 0.000 χ^2 /NDF: 6105651705565404

All: 16.483 $\pm$ 0.000 χ^2 /NDF: 1397813724035

- sign 16.630 $\pm$ 0.000 χ^2 /NDF: 6645337727074170

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 931.371+/-0.000 χ^2/NDF : 20965279125874439462185531817341222912.0/20

+ sign 1075.295+/-0.000 χ^2/NDF : 49880175480447

Left Out: 1146.011+/-0.000 χ^2/NDF : 8056834670270133849999540224.0/24

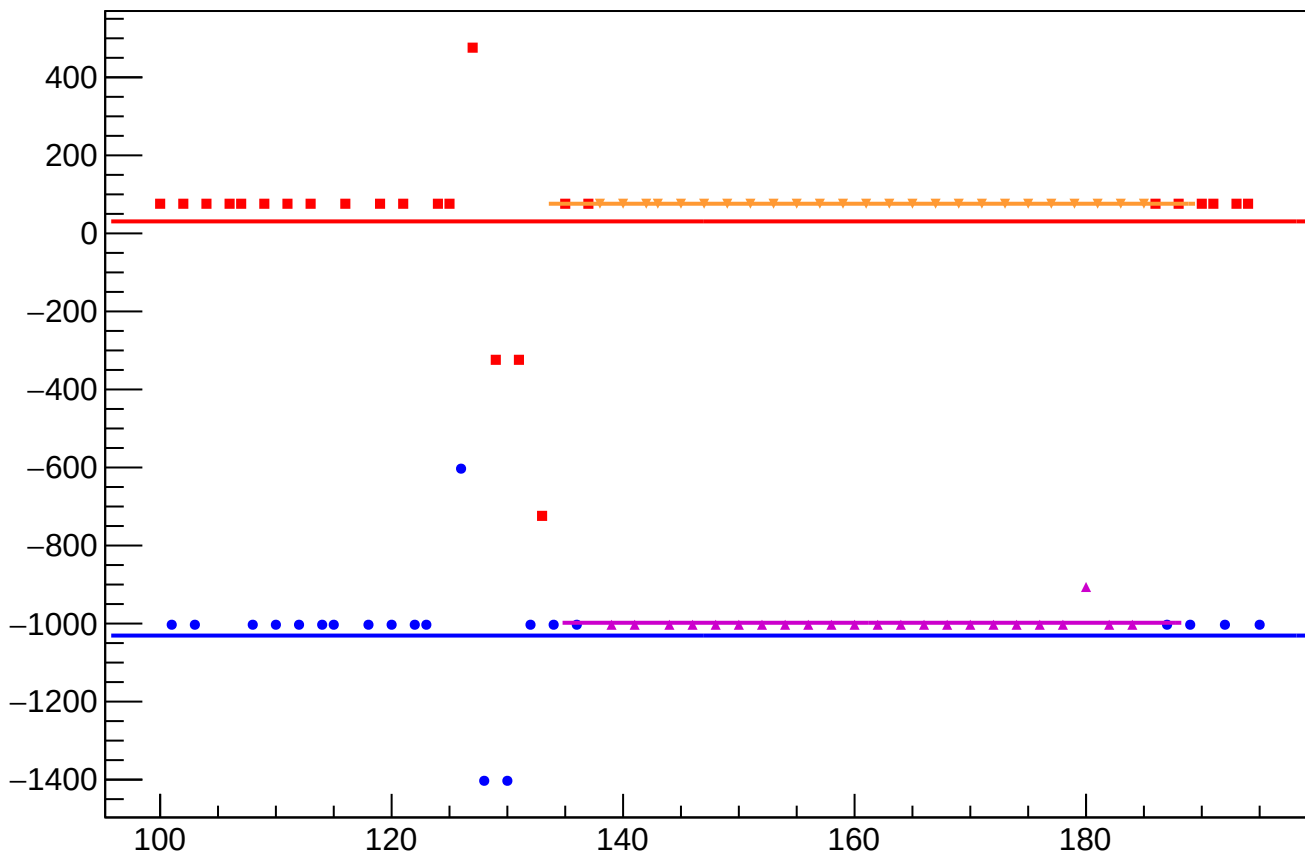
All: 1035.530+/-0.000 χ^2/NDF : 1446389963

Right Out: 1168.274+/-0.000 χ^2/NDF : 21546371259977567888980527918453096448.0/24

- sign 996.221+/-0.000 χ^2/NDF : 858253983730884

Left In: 892.950+/-0.000 χ^2/NDF : 13213852485930520518972295012897783808.0/22

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1030.767+/-0.000 χ^2/NDF : 22477427270734538055305005926228951040.0/20

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 -288.630+/-0.000 χ^2/NDF : 79129059147736

All: -451.309+/-0.000 χ^2/NDF : 16993606501

- sign -612.119+/-0.000 χ^2/NDF : 758562860043550