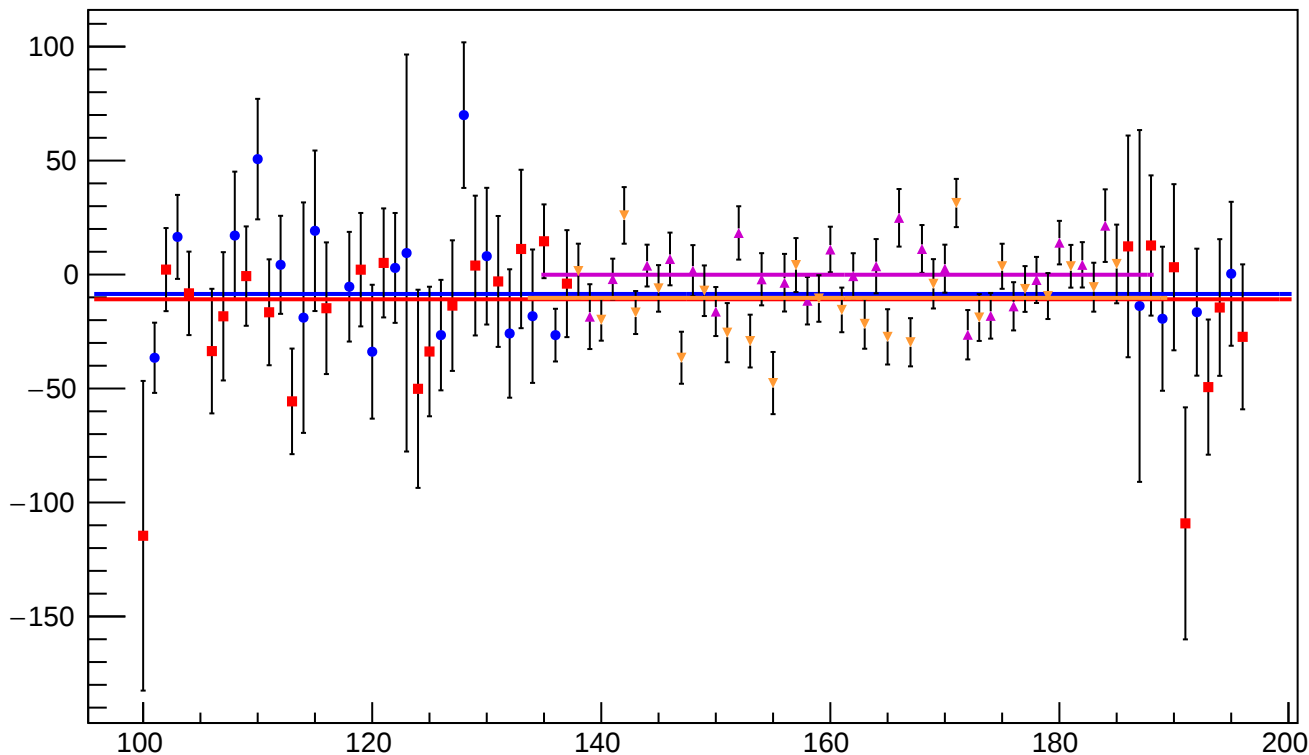


diff_bpm4aX_mean vs Slug



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: -10.850 ± 5.215

χ^2/NDF : 19.8/25

Left In: -0.080 ± 2.251

χ^2/NDF : 29.9/22

+ sign -9.993 ± 2.010

χ^2/NDF : 81.4/45

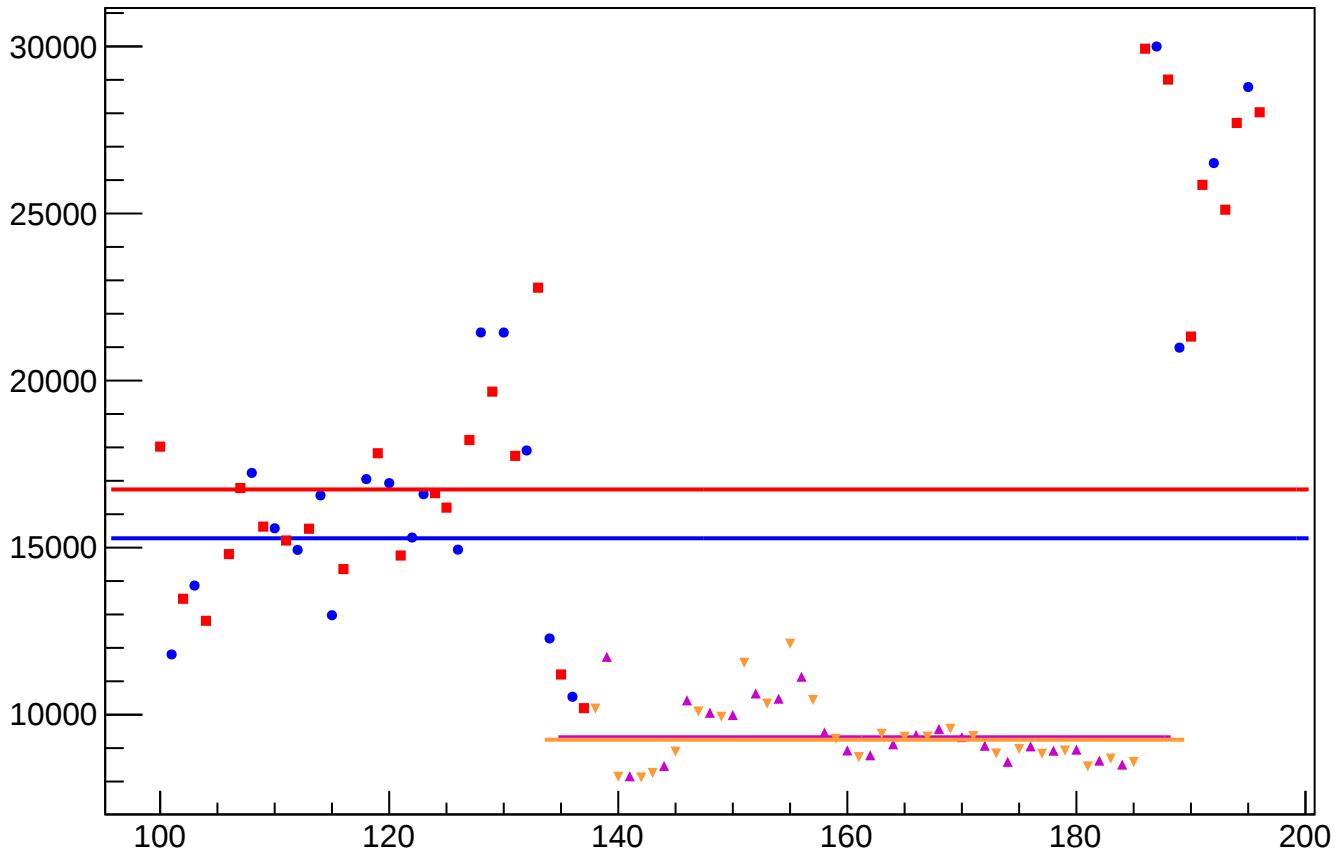
All: -5.995 ± 1.441

χ^2/NDF : 142.7/94

- sign -1.771 ± 2.066

χ^2/NDF : 53.3/48

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: 16741.932+/-3.687 χ^2/NDF : 1934252.7/25

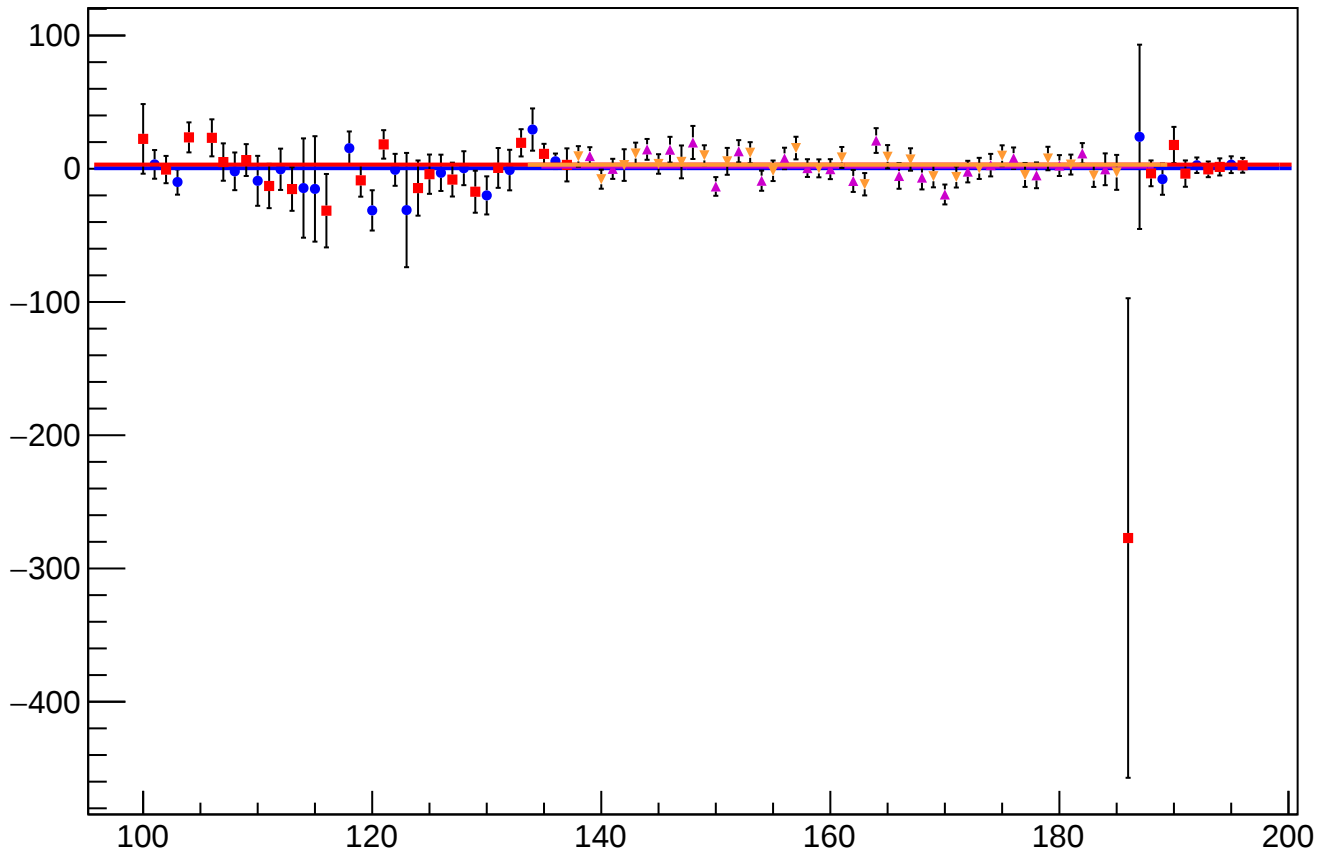
Left In: 9323.983+/-1.591 χ^2/NDF : 275717.0/22

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

All: 10292.913+/-1.019 χ^2/NDF : 9694165.9/95

- sign 10488.680+/-1.461 χ^2/NDF : 5621530.2/48

diff_bpm4aY_mean vs Slug



Right In: 0.417 ± 2.441 $\chi^2/\text{NDF}: 15.4/20$

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

Right Out: 3.129 ± 2.098 $\chi^2/\text{NDF}: 25.0/25$

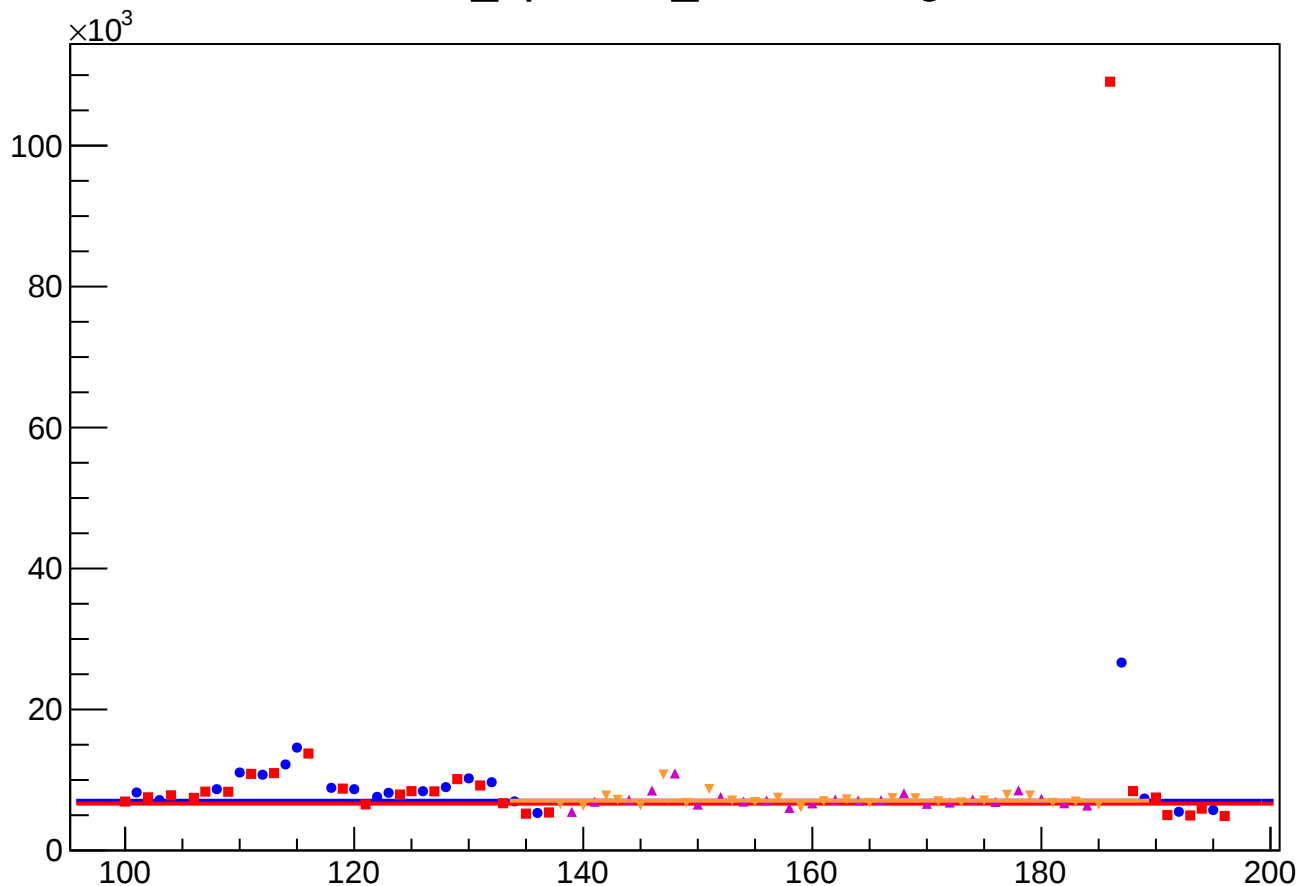
Left In: 1.588 ± 1.703 $\chi^2/\text{NDF}: 35.5/22$

+ sign 2.201 ± 1.373 $\chi^2/\text{NDF}: 34.8/45$

All: 2.201 ± 0.952 $\chi^2/\text{NDF}: 95.6/94$

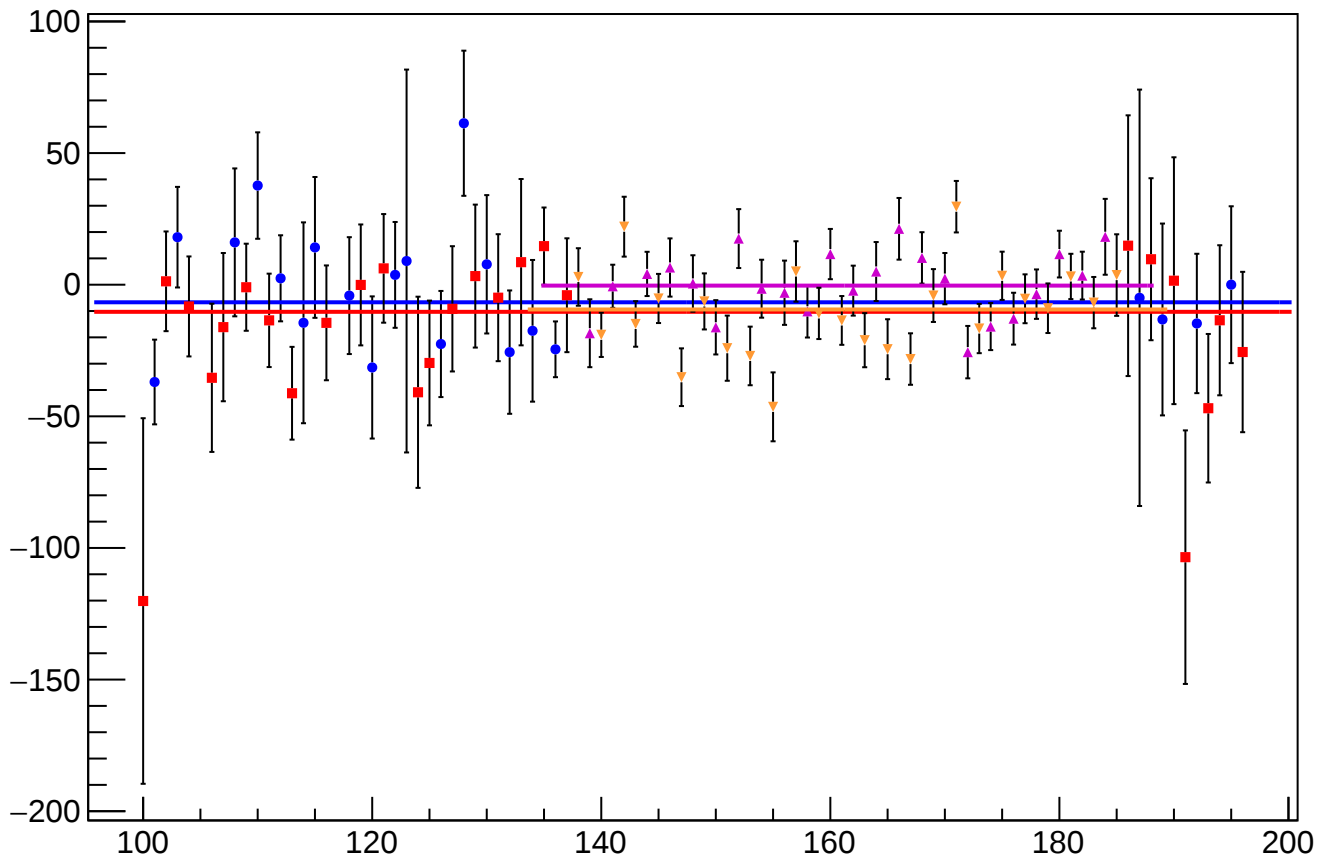
- sign 2.200 ± 1.322 $\chi^2/\text{NDF}: 60.8/48$

diff_bpm4aY_rms vs Slug



Right In: 7049.355+/-1.726	χ^2/NDF : 1234587.9/20	+ sign 7059.678+/-0.971	χ^2/NDF : 1621455.1/45
Left Out: 7064.457+/-1.174	χ^2/NDF : 386814.9/24	All: 6960.036+/-0.673	χ^2/NDF : 4265690.7/94
Right Out: 6644.494+/-1.484	χ^2/NDF : 2061102.9/25	- sign 6867.641+/-0.935	χ^2/NDF : 2623933.0/48
Left In: 7014.572+/-1.204	χ^2/NDF : 525313.7/22		

diff_bpm4eX_mean vs Slug



Right In: -6.680 $\pm$ 4.822 χ^2/NDF : 23.7/20

Left Out: -9.411 $\pm$ 2.021 χ^2/NDF : 58.8/24

Right Out: -10.301 $\pm$ 4.674 χ^2/NDF : 19.5/25

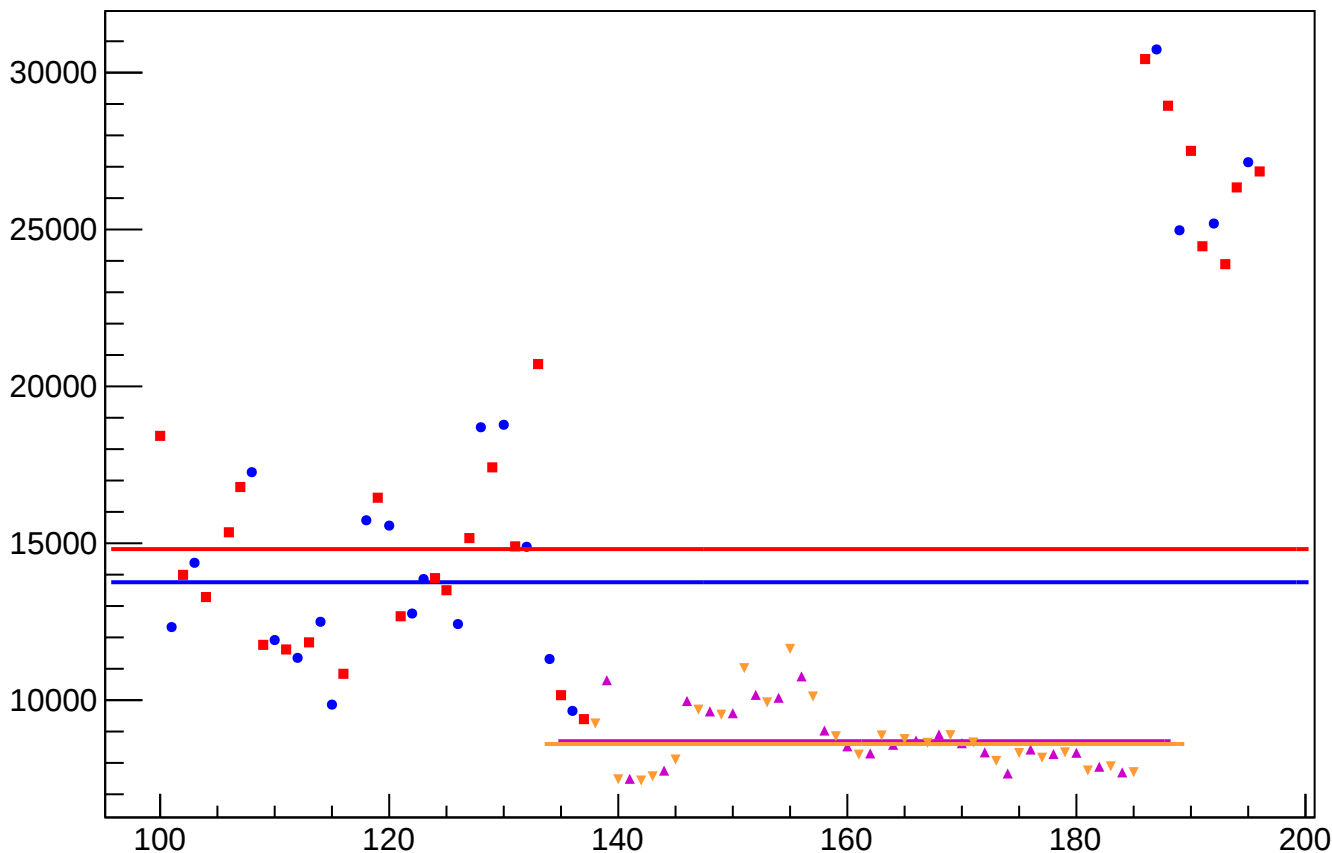
Left In: -0.344 $\pm$ 2.100 χ^2/NDF : 29.9/22

+ sign -9.003 $\pm$ 1.864 χ^2/NDF : 82.7/45

All: -5.606 $\pm$ 1.336 χ^2/NDF : 142.7/94

- sign -2.017 $\pm$ 1.916 χ^2/NDF : 53.2/48

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: 14813.894+/-3.305 χ^2/NDF : 2438111.1/25

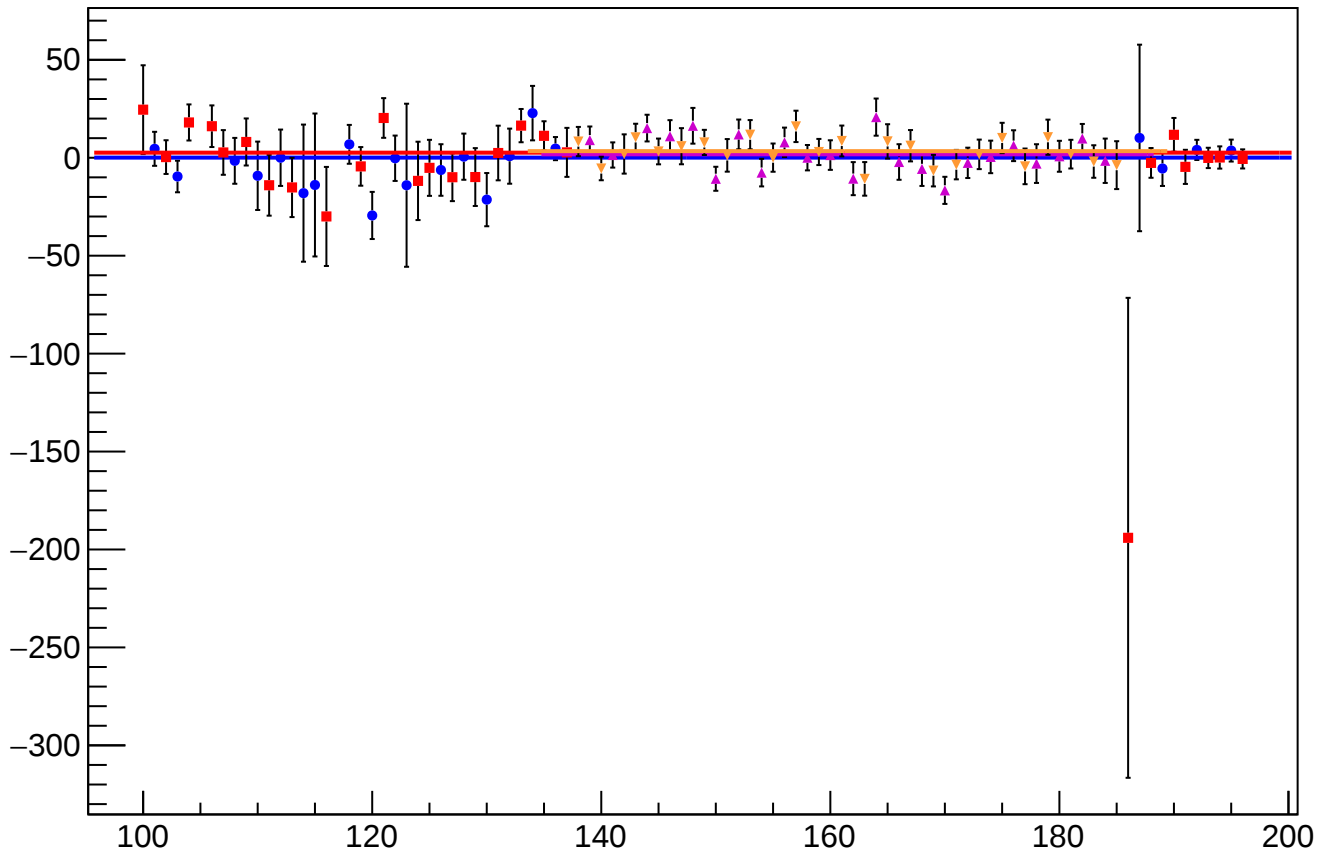
Left In: 8691.203+/-1.485 χ^2/NDF : 365254.6/22

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

All: 9541.573+/-0.945 χ^2/NDF : 9785458.5/94

- sign 9720.007+/-1.355 χ^2/NDF : 5658728.5/48

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: 2.601 ± 1.834 χ^2/NDF : 25.7/25

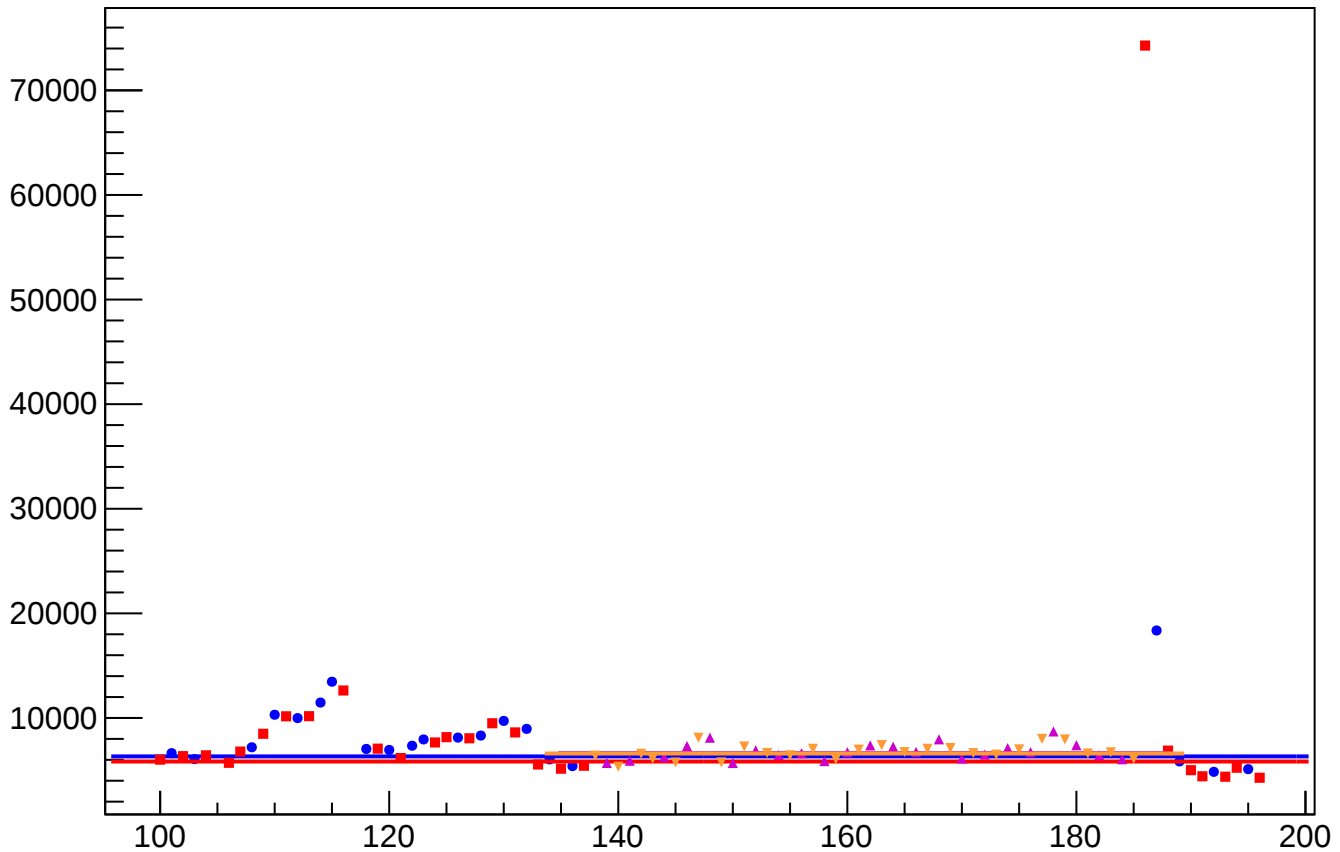
Left In: 1.756 ± 1.607 χ^2/NDF : 33.5/22

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

All: 2.189 ± 0.874 χ^2/NDF : 94.5/94

- sign 2.123 ± 1.209 χ^2/NDF : 59.3/48

diff_bpm4eY_rms vs Slug



Right In: 6325.242 ± 1.540 $\chi^2/\text{NDF}: 1135657.7/20$

Left Out: 6603.953 ± 1.097 $\chi^2/\text{NDF}: 395247.5/24$

Right Out: 5837.933 ± 1.297 $\chi^2/\text{NDF}: 2097348.2/25$

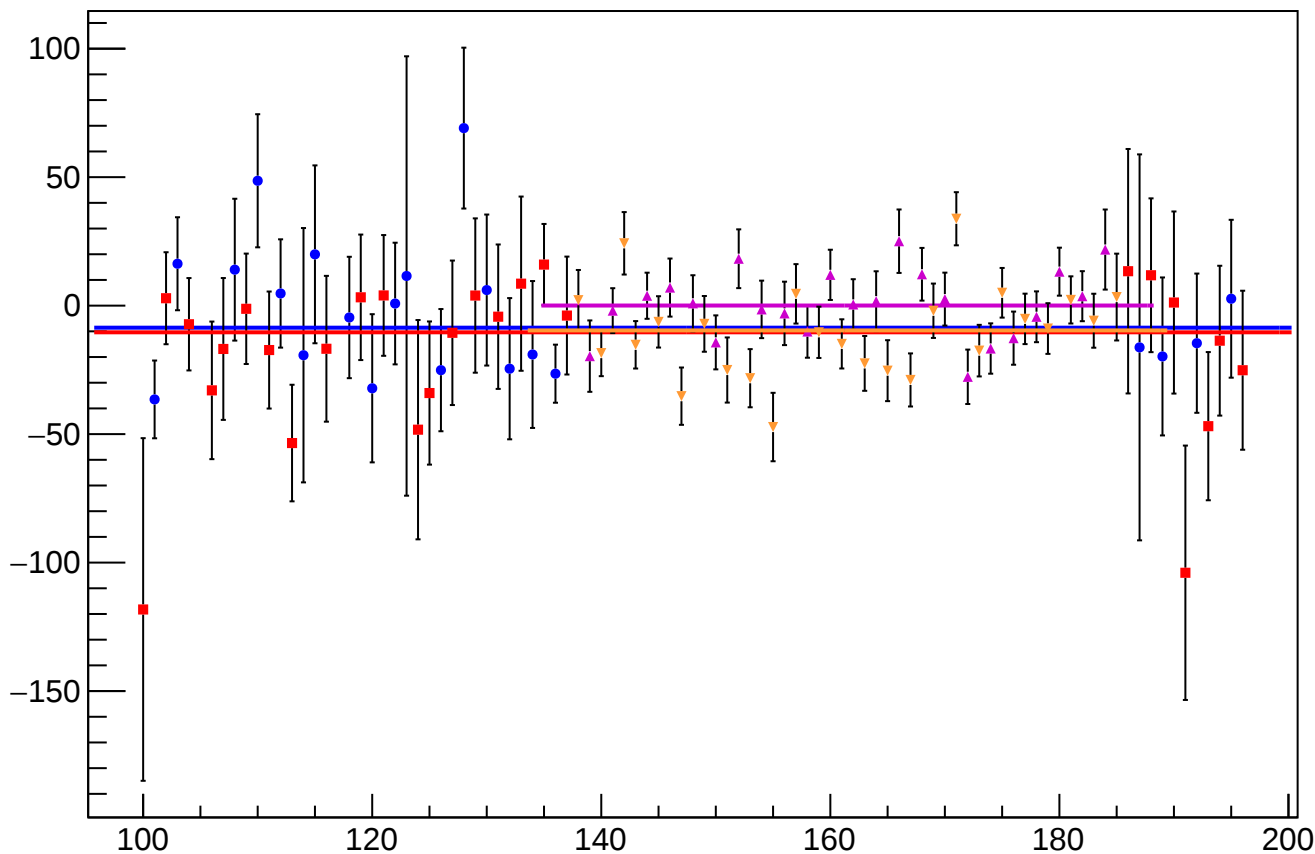
Left In: 6637.155 ± 1.136 $\chi^2/\text{NDF}: 415547.5/22$

+ sign 6510.119 ± 0.894 $\chi^2/\text{NDF}: 1552626.0/45$

All: 6395.194 ± 0.618 $\chi^2/\text{NDF}: 4312010.8/94$

- sign 6290.081 ± 0.855 $\chi^2/\text{NDF}: 2727722.8/48$

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: -10.381 ± 5.106 χ^2/NDF : 19.9/25

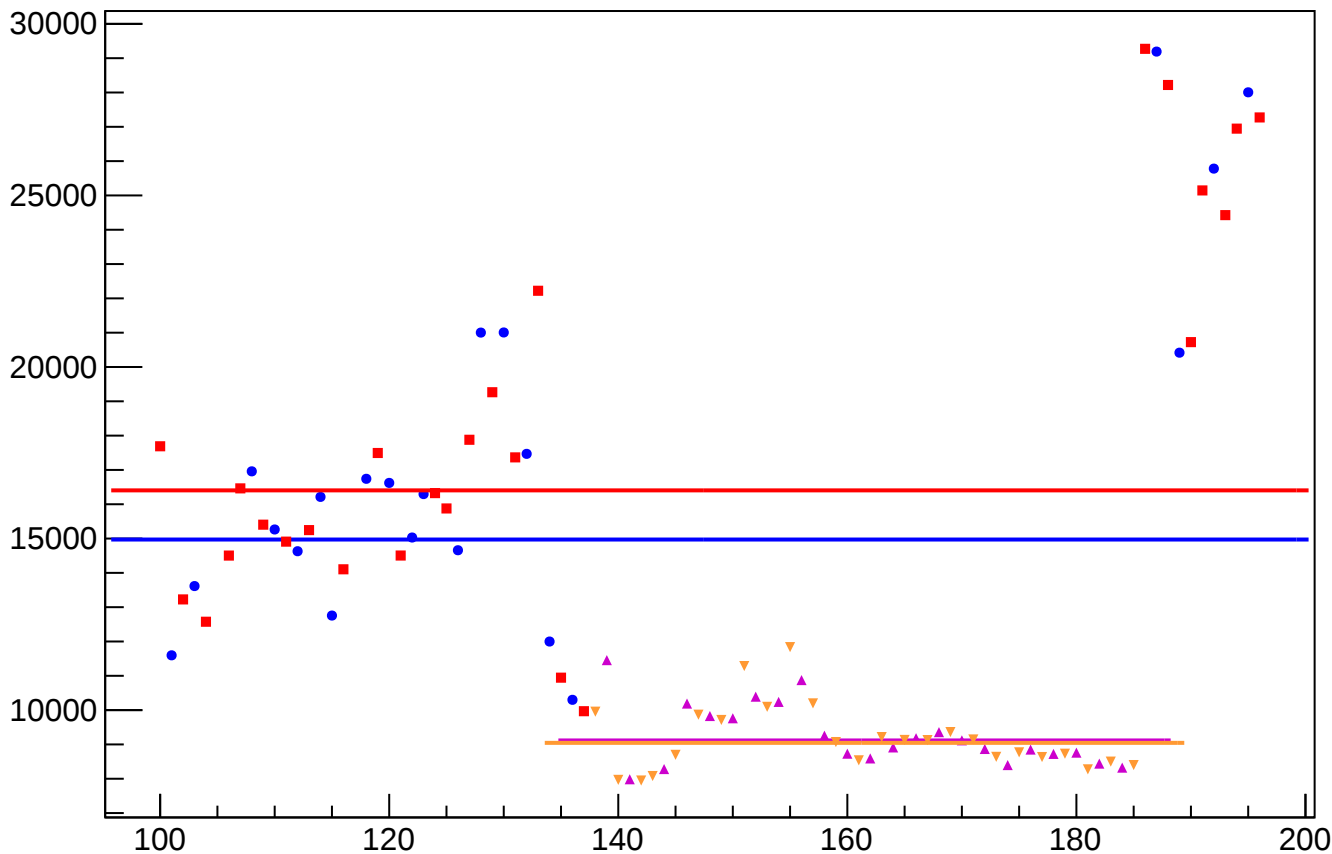
Left In: 0.042 ± 2.200 χ^2/NDF : 30.8/22

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

All: -5.648 ± 1.409 χ^2/NDF : 145.0/94

- sign -1.590 ± 2.021 χ^2/NDF : 54.1/48

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: 16404.252+/-3.611 χ^2/NDF : 1907598.2/25

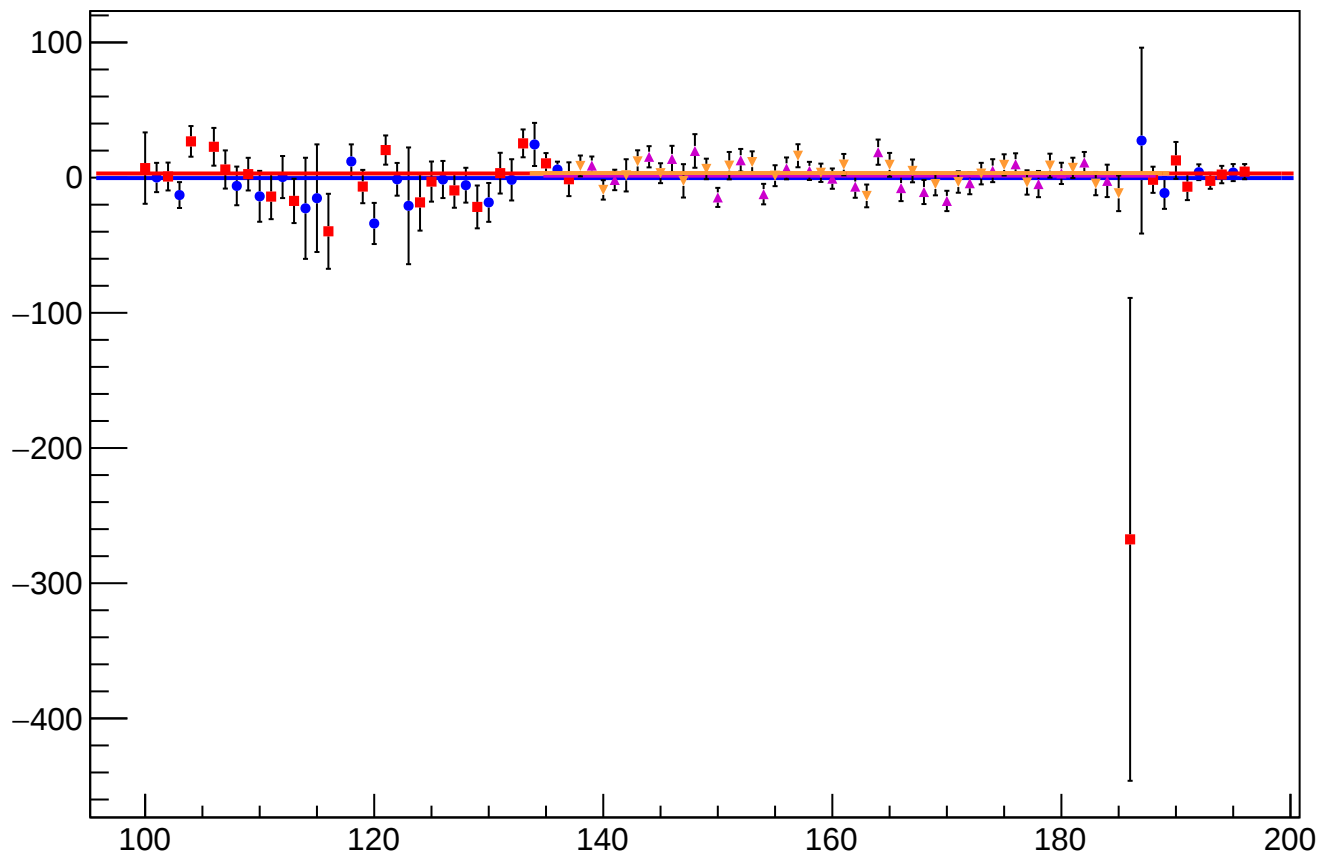
Left In: 9115.817+/-1.556 χ^2/NDF : 272471.8/22

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

All: 10065.673+/-0.996 χ^2/NDF : 9689392.5/95

- sign 10257.047+/-1.429 χ^2/NDF : 5616726.3/48

diff_bpm4acY_mean vs Slug



Right In: -0.333 ± 2.453 $\chi^2/\text{NDF}: 16.3/20$

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

Right Out: 3.071 ± 2.109 $\chi^2/\text{NDF}: 29.9/25$

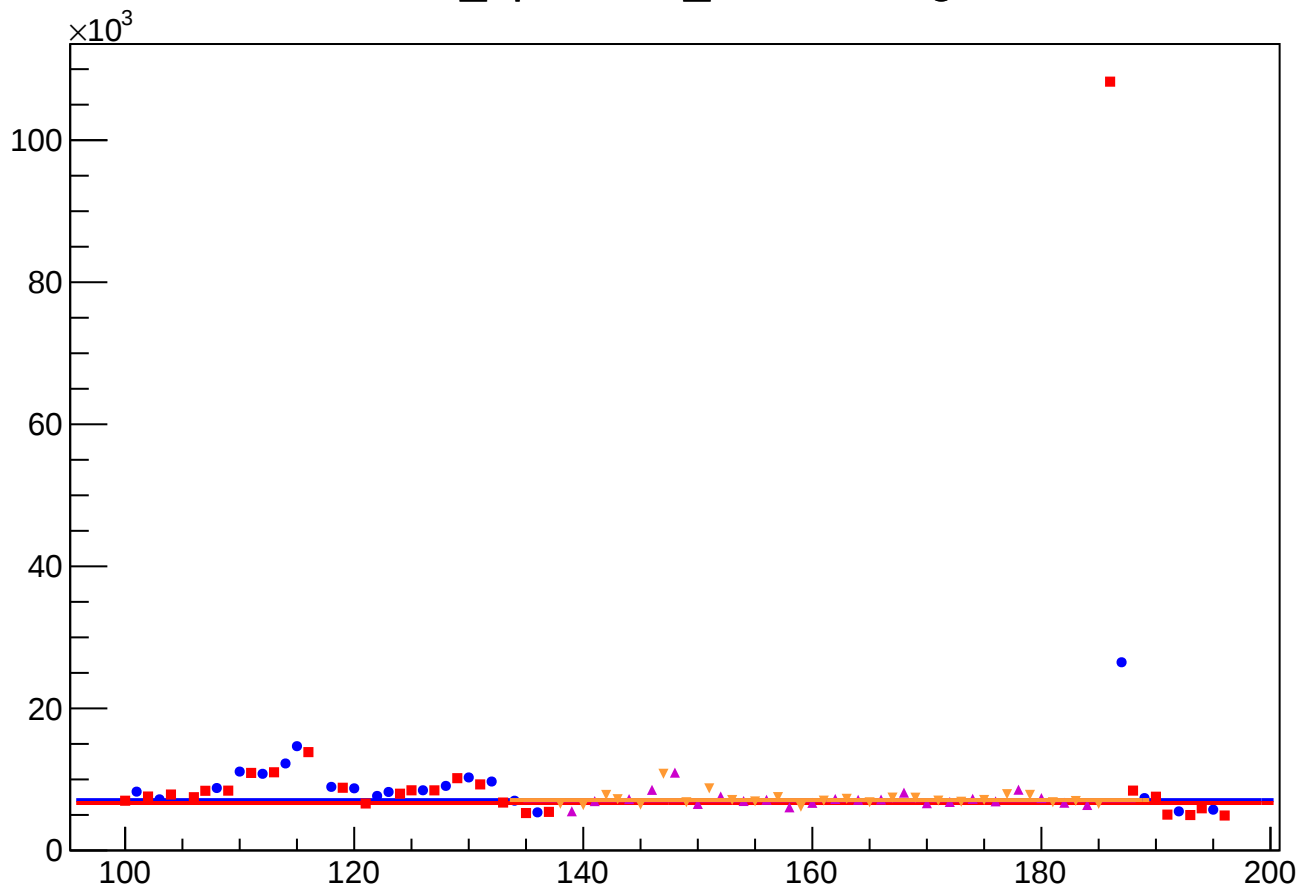
Left In: 1.479 ± 1.710 $\chi^2/\text{NDF}: 36.7/22$

+ sign 2.211 ± 1.379 $\chi^2/\text{NDF}: 37.2/45$

All: 2.159 ± 0.957 $\chi^2/\text{NDF}: 104.3/94$

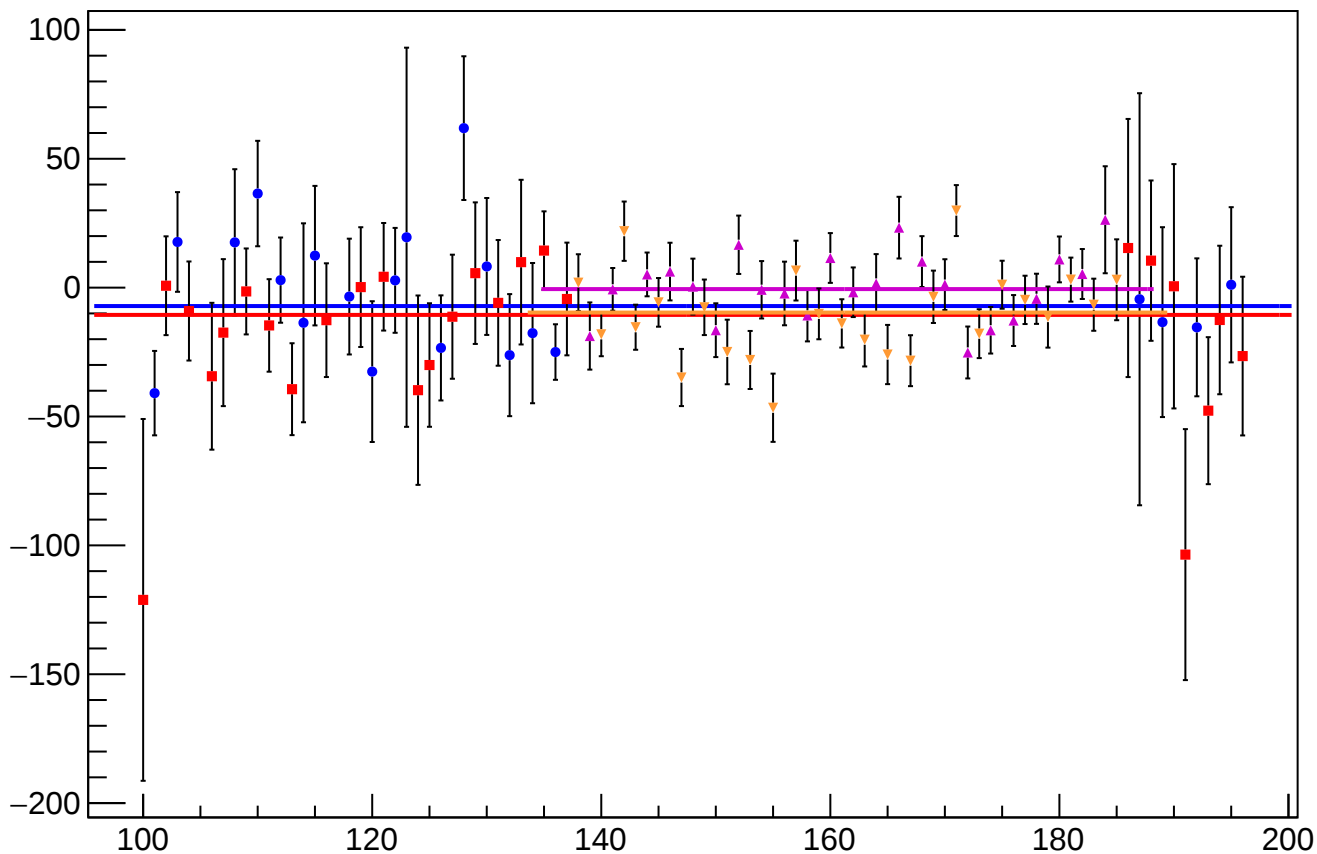
- sign 2.111 ± 1.328 $\chi^2/\text{NDF}: 67.0/48$

diff_bpm4acY_rms vs Slug



Right In: 7085.381 ± 1.735 $\chi^2/\text{NDF}: 1240939.3/20$ + sign 7092.883 ± 0.975 $\chi^2/\text{NDF}: 1622908.7/45$
 Left Out: 7096.350 ± 1.179 $\chi^2/\text{NDF}: 381942.1/24$ All: 6993.893 ± 0.677 $\chi^2/\text{NDF}: 4261074.1/94$
 Right Out: 6681.162 ± 1.492 $\chi^2/\text{NDF}: 2064524.3/25$ - sign 6902.066 ± 0.939 $\chi^2/\text{NDF}: 2618308.1/48$
 Left In: 7047.269 ± 1.209 $\chi^2/\text{NDF}: 517433.5/22$

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: -10.580+/-4.738 χ^2/NDF : 18.5/25

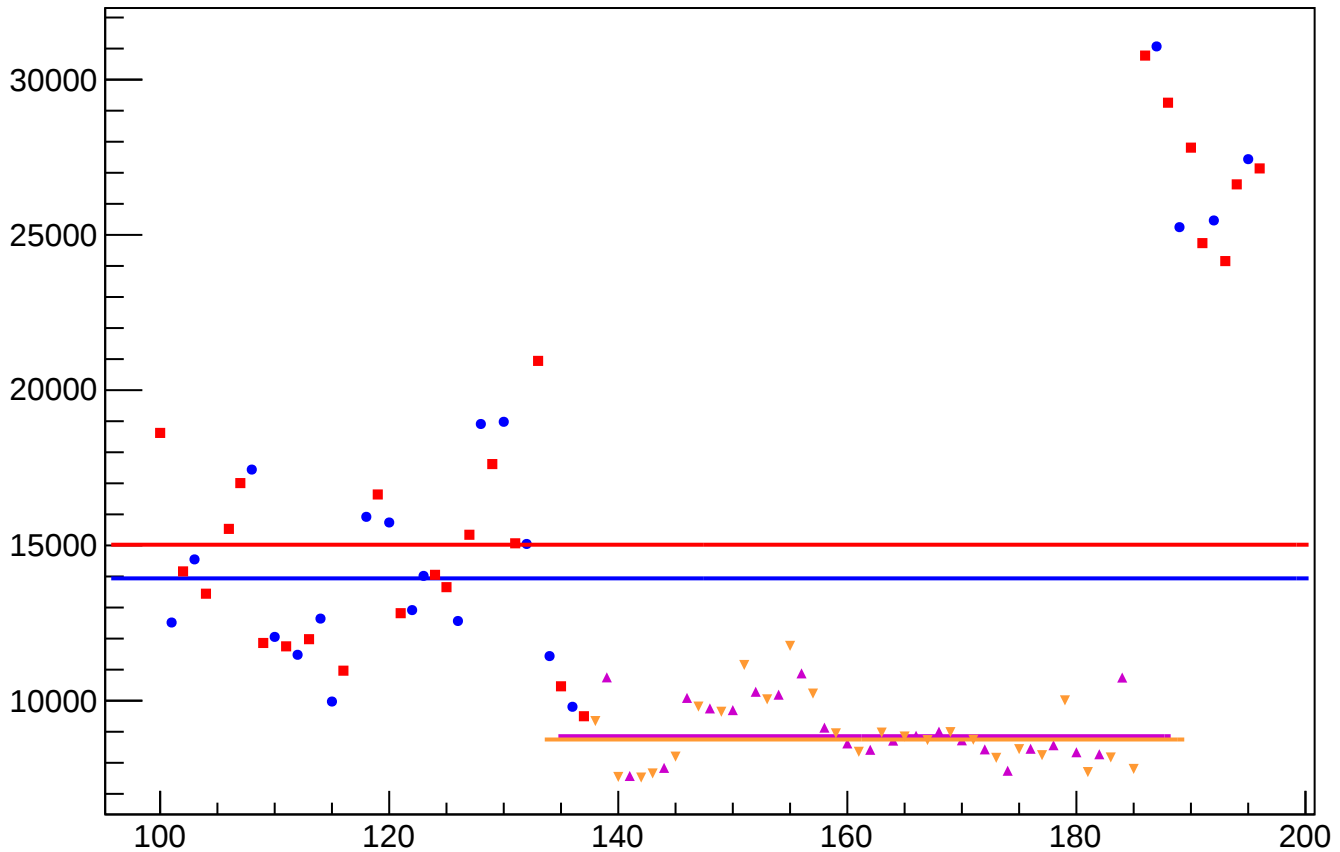
Left In: -0.564+/-2.144 χ^2/NDF : 29.7/22

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

All: -5.877+/-1.361 χ^2/NDF : 141.0/94

- sign -2.265+/-1.953 χ^2/NDF : 52.0/48

diff_bpm4ecX_rms vs Slug



Right In: 13939.404+/-3.454 χ^2/NDF : 1697190.6/20

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

Right Out: 15023.009+/-3.351 χ^2/NDF : 2412632.4/25

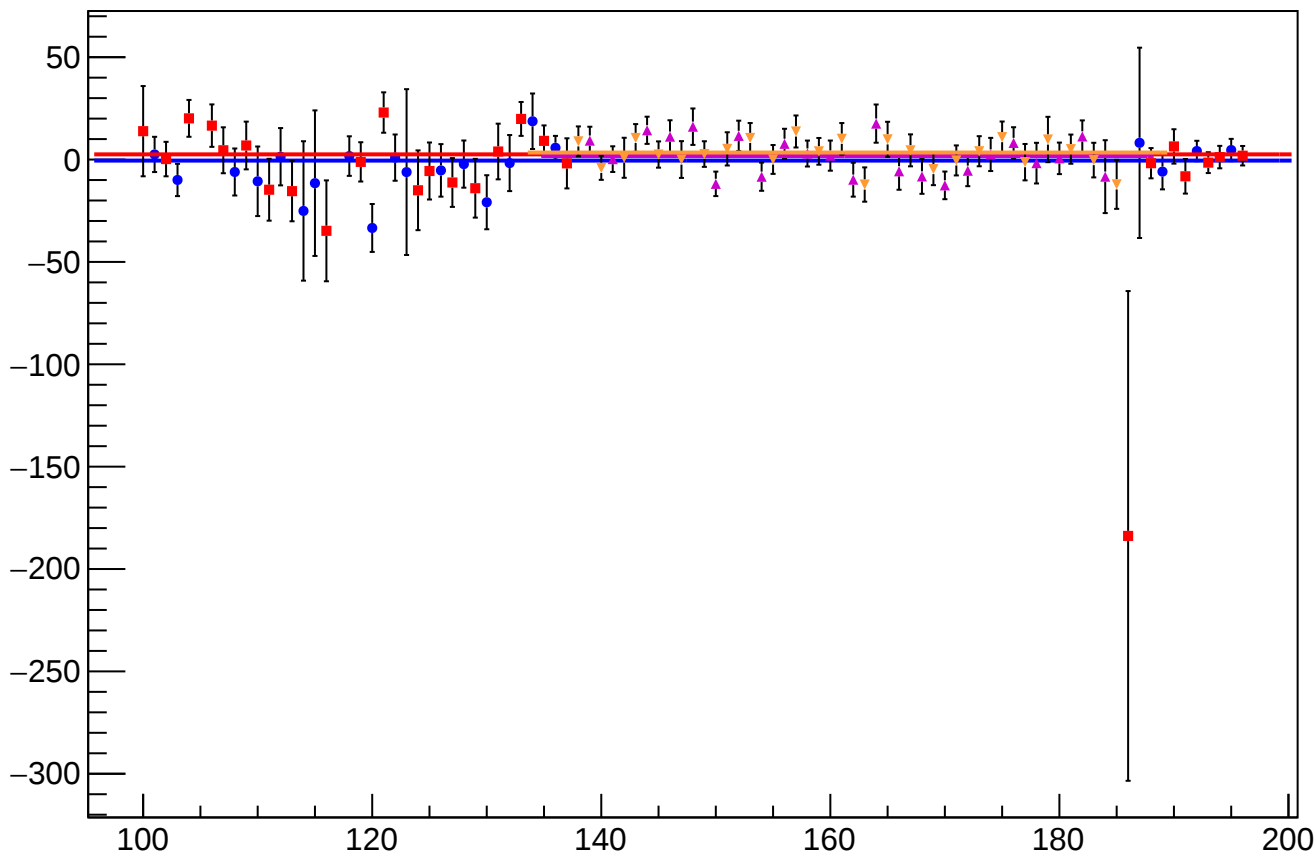
Left In: 8857.329+/-1.516 χ^2/NDF : 361778.8/22

+ sign 9534.179+/-1.343 χ^2/NDF : 4076627.7/45

All: 9714.274+/-0.963 χ^2/NDF : 9699056.0/94

- sign 9904.849+/-1.381 χ^2/NDF : 5585391.3/48

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: 2.536 ± 1.792 χ^2/NDF : 30.1/25

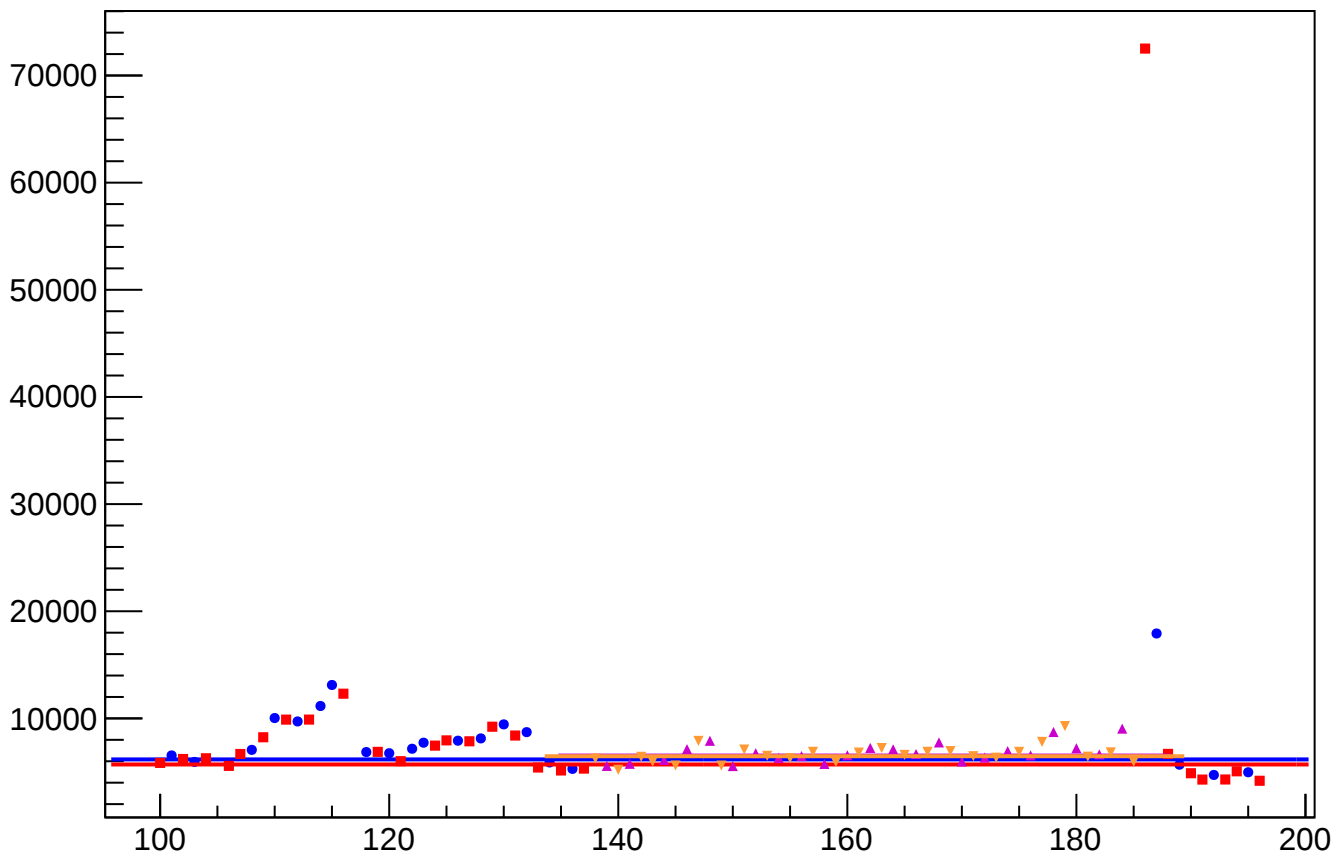
Left In: 1.734 ± 1.586 χ^2/NDF : 33.6/22

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

All: 2.091 ± 0.858 χ^2/NDF : 100.9/94

- sign 2.086 ± 1.188 χ^2/NDF : 63.8/48

diff_bpm4ecY_rms vs Slug



Right In: 6172.438+/-1.504 χ^2/NDF : 1135147.4/20

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

Right Out: 5700.152+/-1.267 χ^2/NDF : 2083831.0/25

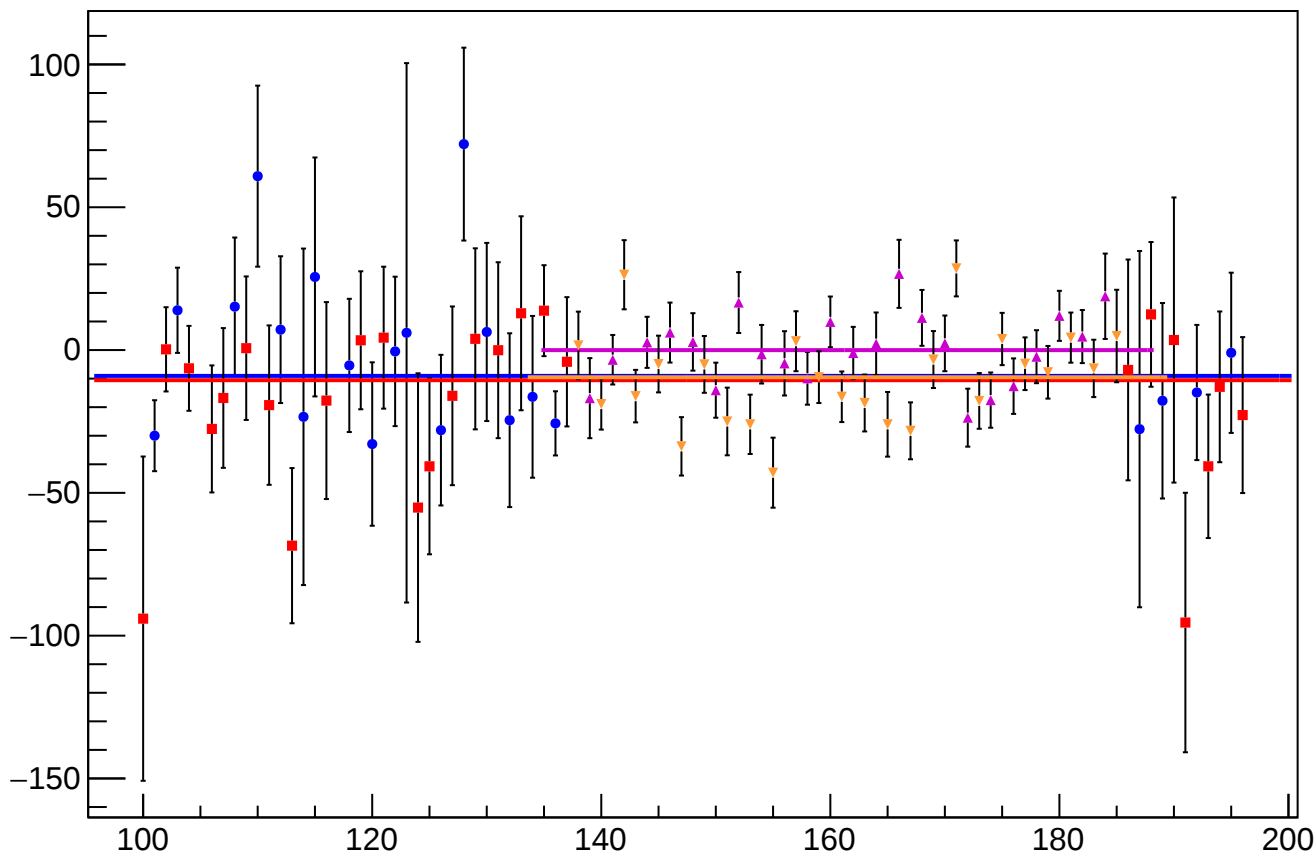
Left In: 6530.954+/-1.121 χ^2/NDF : 464668.6/22

+ sign 6368.185+/-0.877 χ^2/NDF : 1647980.7/45

All: 6262.767+/-0.606 χ^2/NDF : 4465310.4/94

- sign 6166.043+/-0.840 χ^2/NDF : 2789601.3/48

diff_bpm1X_mean vs Slug



Right In: -9.045 ± 5.100 $\chi^2/\text{NDF}: 22.4/20$

Left Out: -9.528 ± 2.015 $\chi^2/\text{NDF}: 59.6/24$

Right Out: -10.554 ± 4.979 $\chi^2/\text{NDF}: 20.2/25$

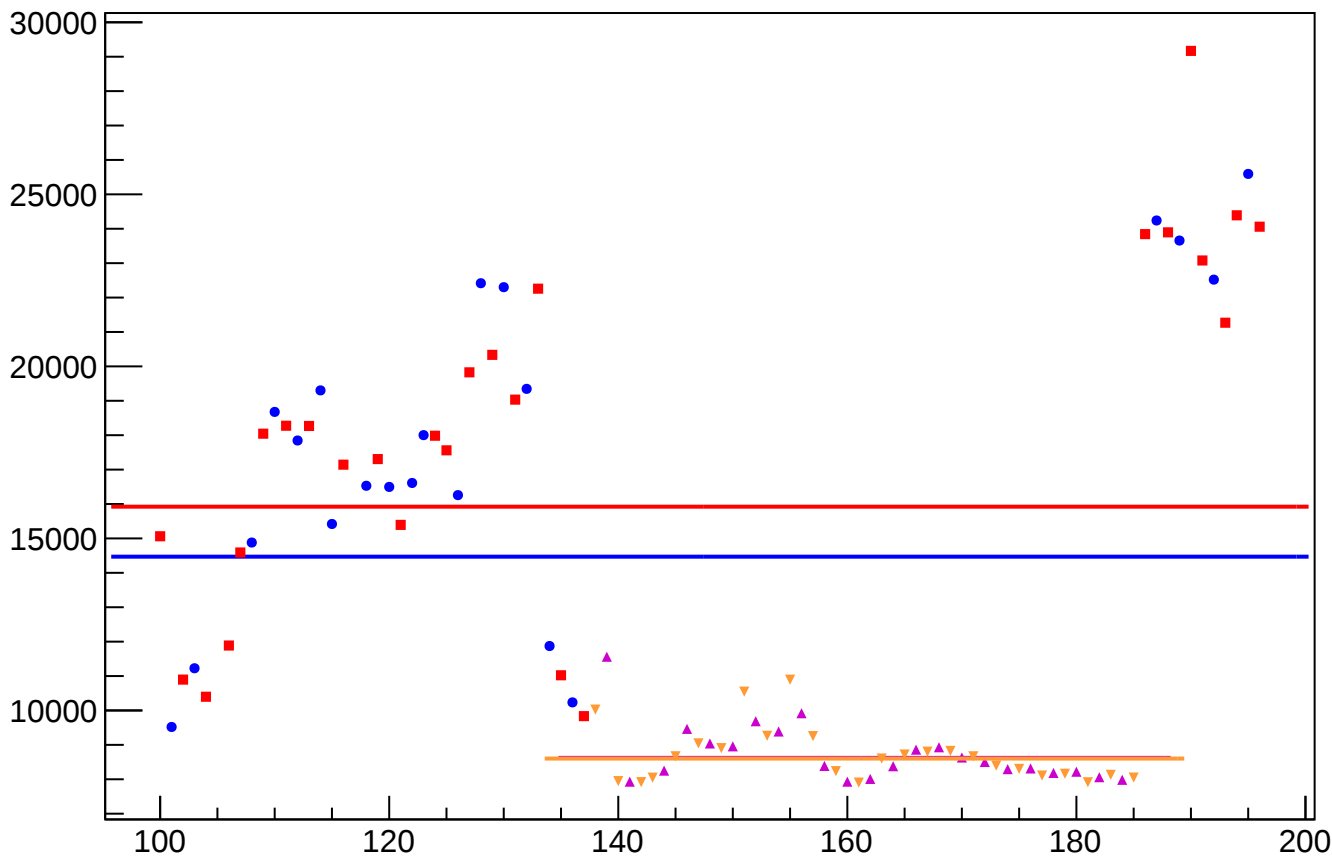
Left In: -0.027 ± 2.080 $\chi^2/\text{NDF}: 29.9/22$

+ sign -9.463 ± 1.874 $\chi^2/\text{NDF}: 82.0/45$

All: -5.620 ± 1.341 $\chi^2/\text{NDF}: 144.5/94$

- sign -1.591 ± 1.919 $\chi^2/\text{NDF}: 53.9/48$

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: 15922.554 $\pm$ 3.521 χ^2 /NDF: 2084299.5/25

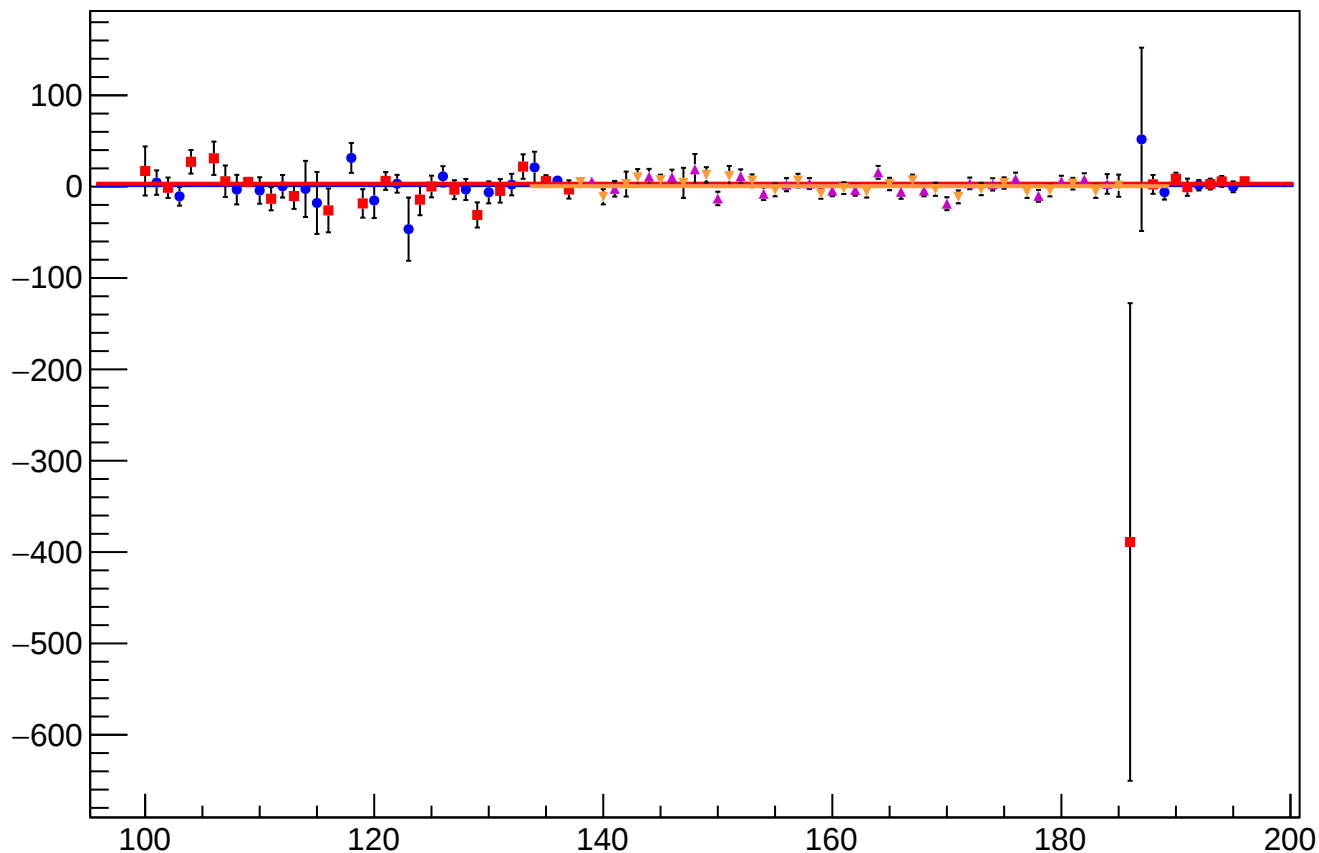
Left In: 8621.975 $\pm$ 1.471 χ^2 /NDF:230824.4/22

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

All: 9546.792 $\pm$ 0.948 χ^2 /NDF: 10418659.9/9

- sign 9706.651 $\pm$ 1.357 χ^2 /NDF: 5976309.6/48

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: 3.232 $\pm$ 1.817 χ^2 /NDF: 26.6/25

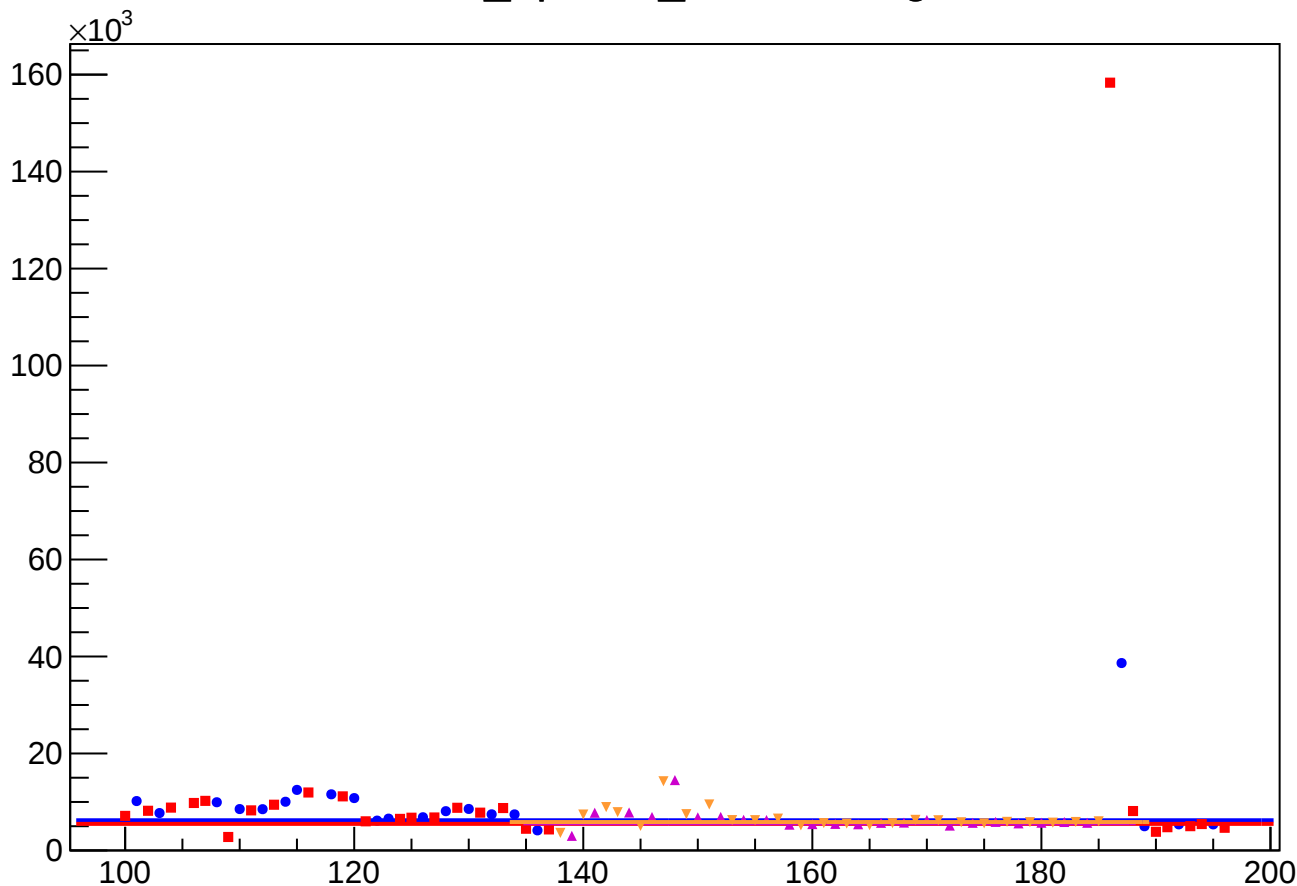
Left In: 1.298 $\pm$ 1.406 χ^2 /NDF:33.0/22

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

All: 1.466 $\pm$ 0.813 χ^2 /NDF: 93.9/94

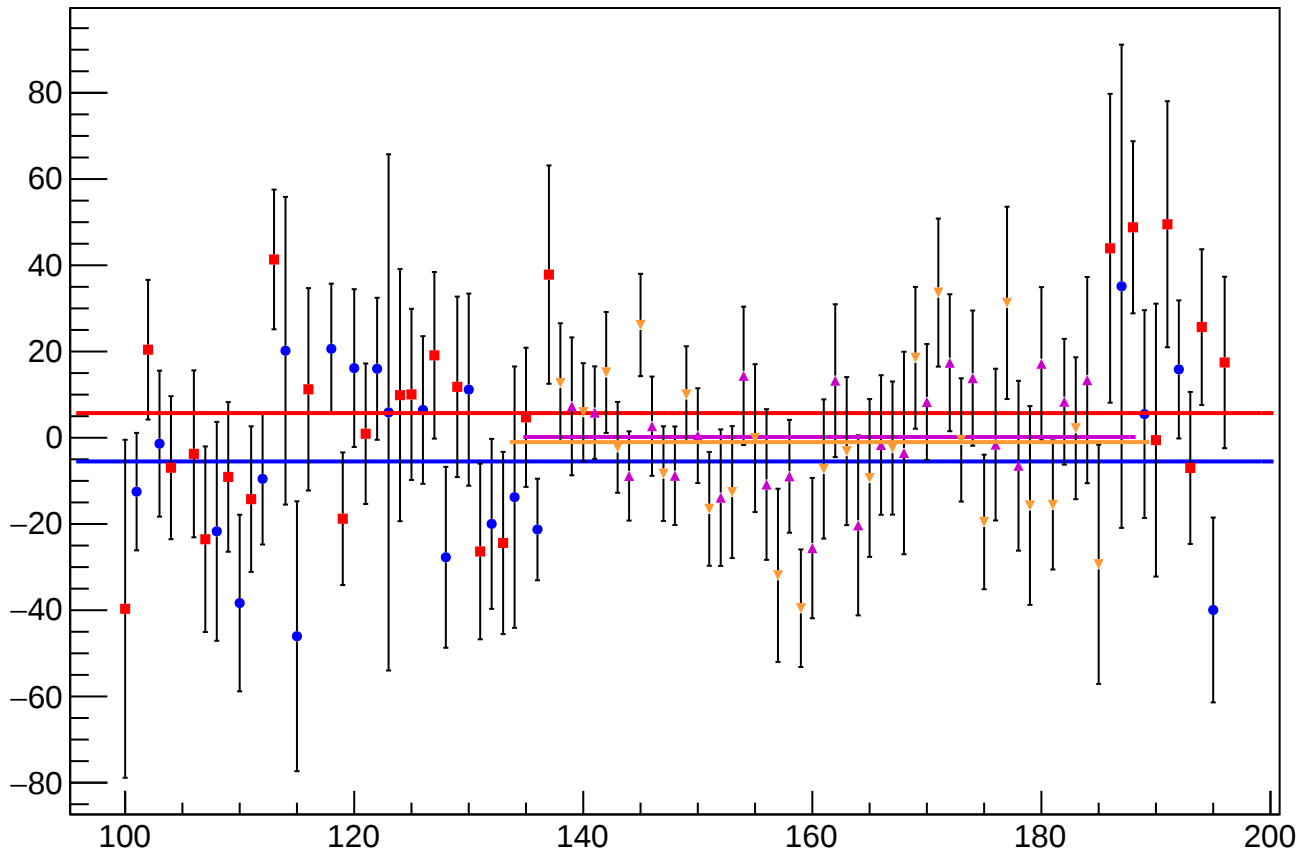
- sign 2.023 $\pm$ 1.112 χ^2 /NDF: 60.4/48

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: 5745.515 ± 0.575 $\chi^2/\text{NDF}: 9079889.7/94$
 Right Out: 5481.958 ± 1.285 $\chi^2/\text{NDF}: 3329895.9/25$ - sign 5553.818 ± 0.786 $\chi^2/\text{NDF}: 5424651.0/48$
 Left In: 5596.879 ± 0.994 $\chi^2/\text{NDF}: 2089750.1/22$

diff_bpm11X_mean vs Slug



Right In: -5.495 ± 4.190 $\chi^2/\text{NDF}: 21.4/20$

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

Right Out: 5.719 ± 3.880 $\chi^2/\text{NDF}: 31.5/25$

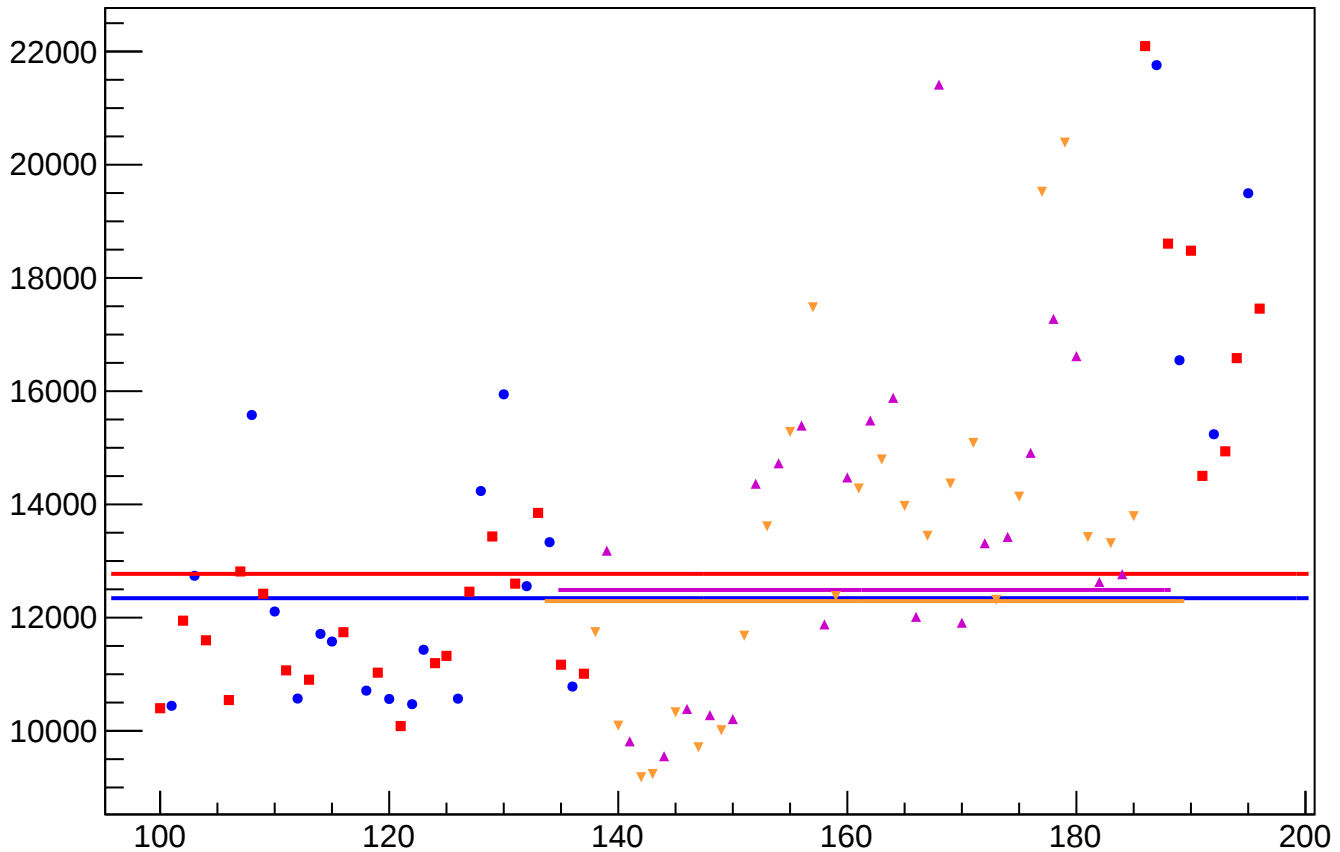
Left In: 0.172 ± 3.067 $\chi^2/\text{NDF}: 12.4/22$

+ sign -2.489 ± 2.408 $\chi^2/\text{NDF}: 55.6/45$

All: -0.091 ± 1.702 $\chi^2/\text{NDF}: 102.7/94$

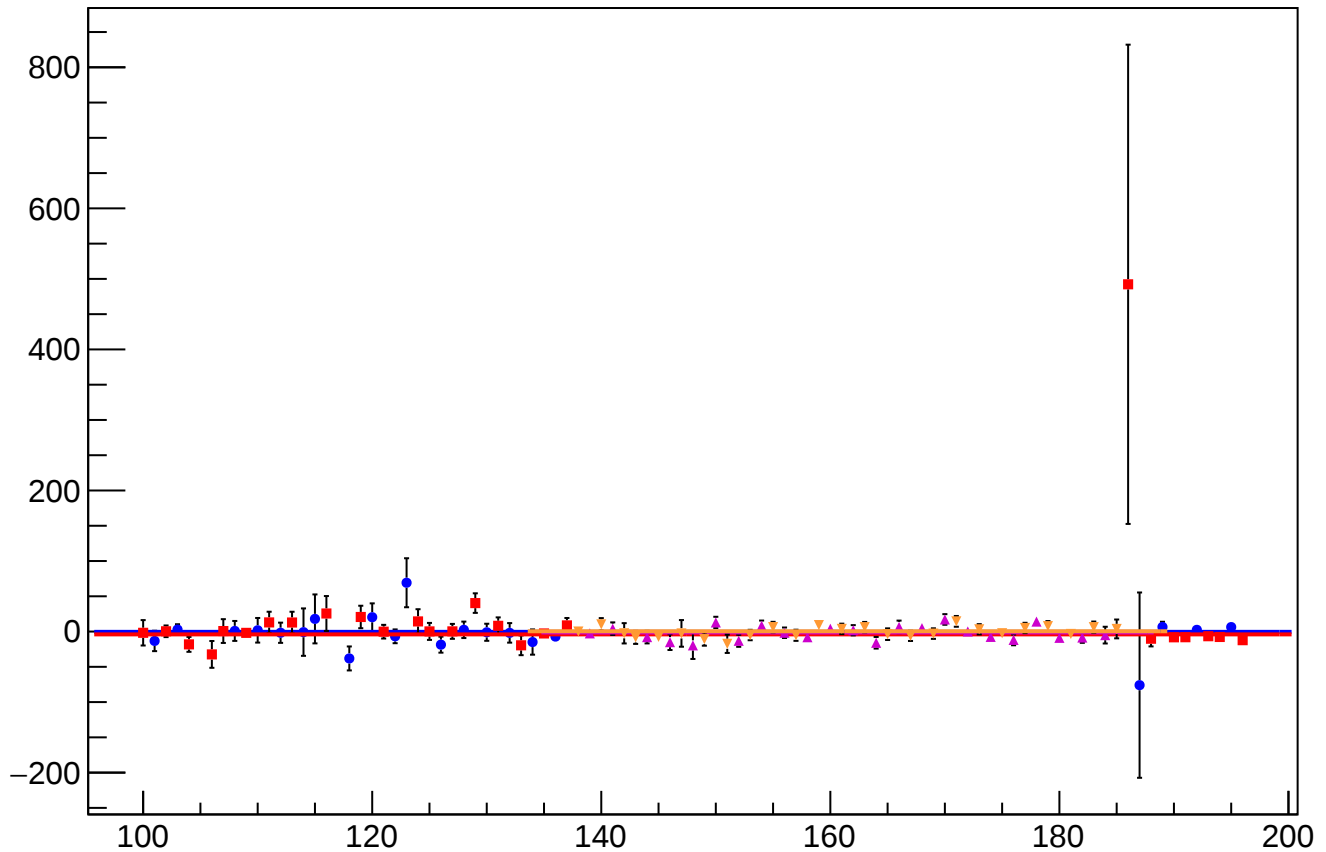
- sign 2.305 ± 2.406 $\chi^2/\text{NDF}: 45.1/48$

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: 12453.899 $\pm$ 1.203	χ^2 /NDF: 4425272.7/9
Right Out: 12773.303 $\pm$ 2.744	χ^2 /NDF: 843728.0/25	- sign 12598.219 $\pm$ 1.701	χ^2 /NDF: 2204829.5/48
Left In: 12488.821 $\pm$ 2.169	χ^2 /NDF: 1354485.4/22		

diff_bpm11Y_mean vs Slug



Right In: -0.420 ± 2.036 χ^2/NDF : 20.5/20

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

Right Out: -4.008 ± 1.695 χ^2/NDF : 33.2/25

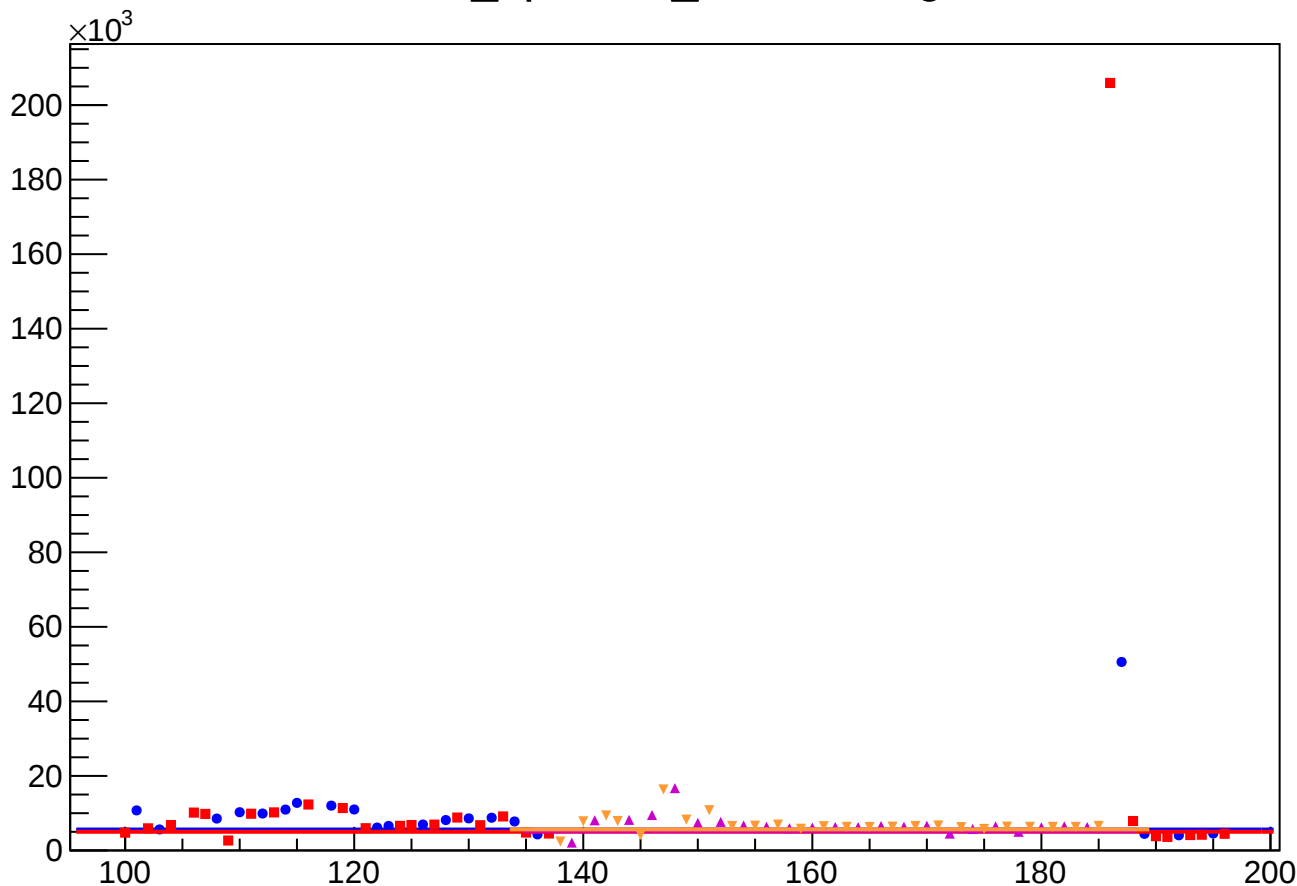
Left In: -1.278 ± 1.386 χ^2/NDF : 34.0/22

+ sign 0.135 ± 1.173 χ^2/NDF : 39.9/45

All: -1.230 ± 0.792 χ^2/NDF : 111.1/94

- sign -2.372 ± 1.073 χ^2/NDF : 68.7/48

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: 5015.689 ± 1.199 χ^2/NDF : 3470852.7/25

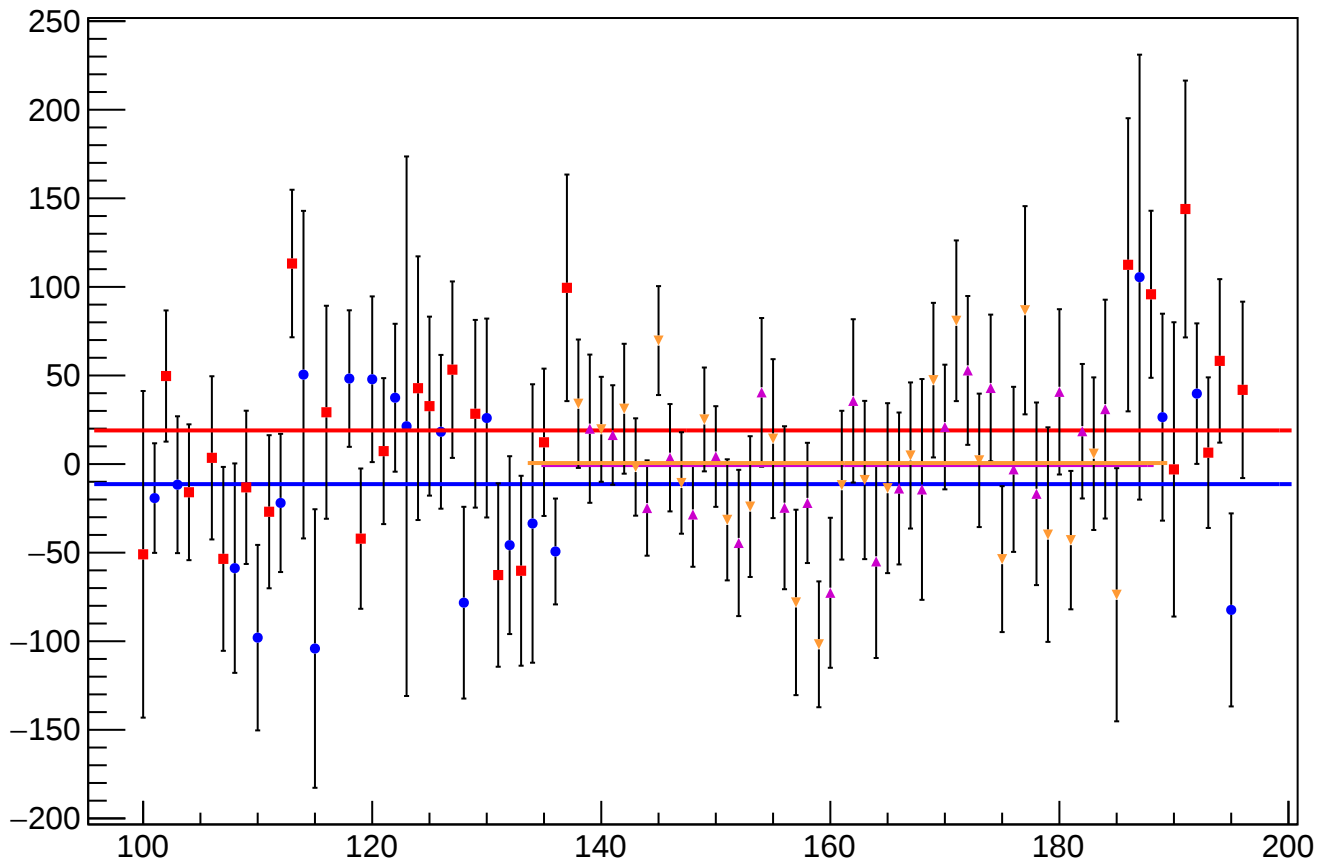
Left In: 5180.743 ± 0.980 χ^2/NDF : 5350053.6/22

+ sign 5641.621 ± 0.829 χ^2/NDF : 6523614.6/45

All: 5354.754 ± 0.560 χ^2/NDF : 15575761.7/9

- sign 5114.628 ± 0.759 χ^2/NDF : 8832272.1/48

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: 18.987 ± 9.642 χ^2/NDF : 28.4/25

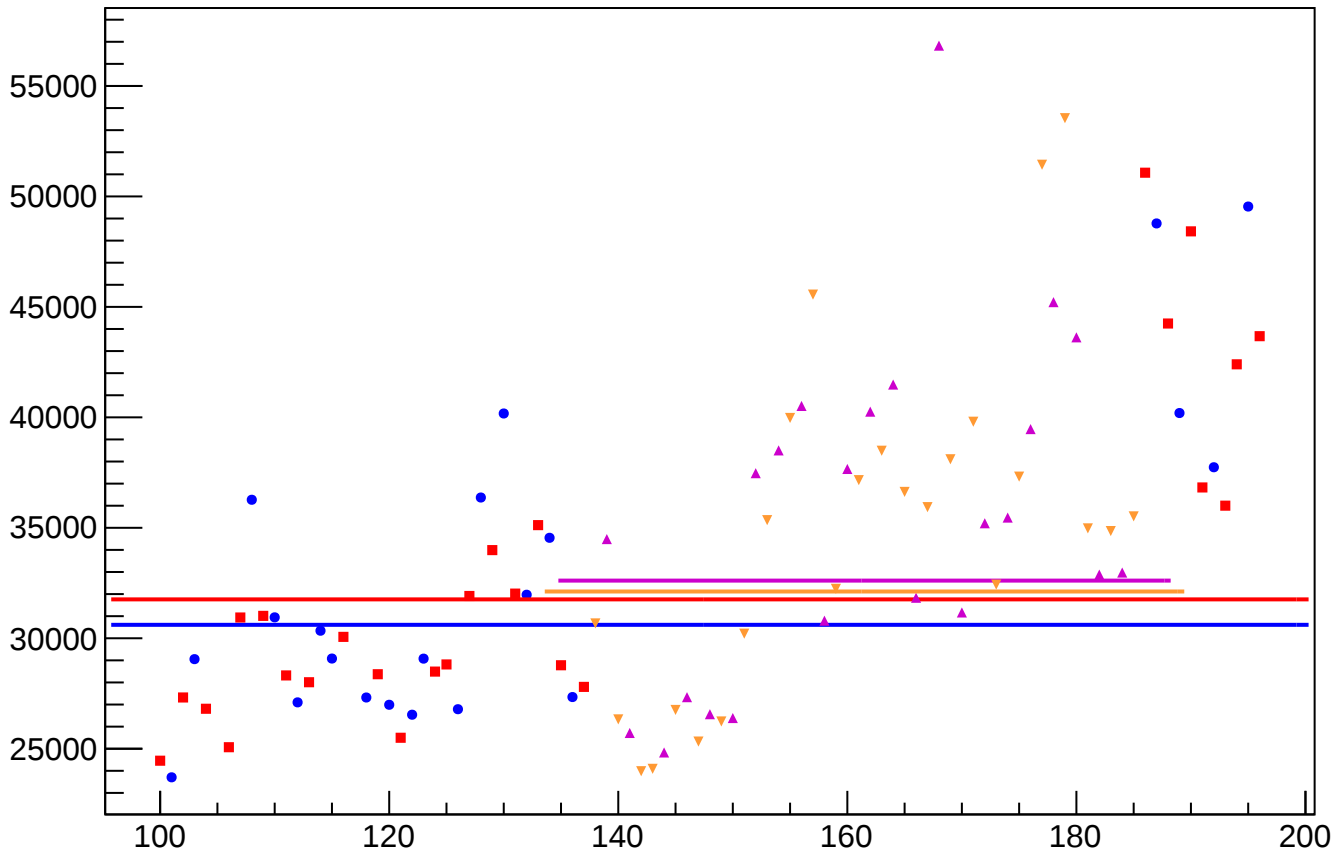
Left In: -0.565 ± 8.015 χ^2/NDF : 14.3/22

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

All: 1.916 ± 4.365 χ^2/NDF : 98.6/94

- sign 7.424 ± 6.163 χ^2/NDF : 45.1/48

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: 31760.259 $\pm$ 6.818 χ^2 /NDF: 829858.5/25

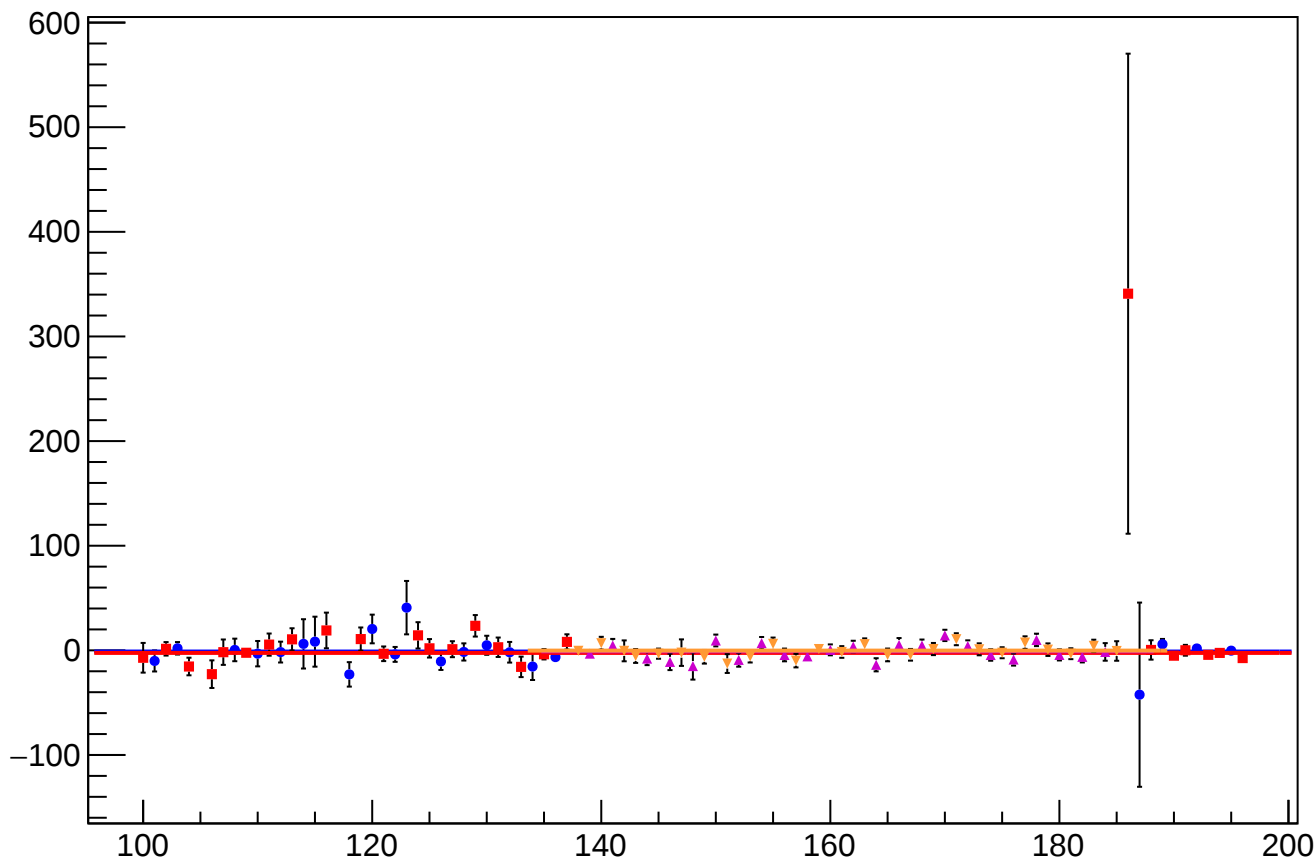
Left In: 32610.108 $\pm$ 5.667 χ^2 /NDF:1398475.8/22

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

All: 31924.352 $\pm$ 3.087 χ^2 /NDF: 4526307.6/95

- sign 32262.869 $\pm$ 4.358 χ^2 /NDF: 2237522.9/48

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: -2.444 ± 1.224 χ^2/NDF : 29.0/25

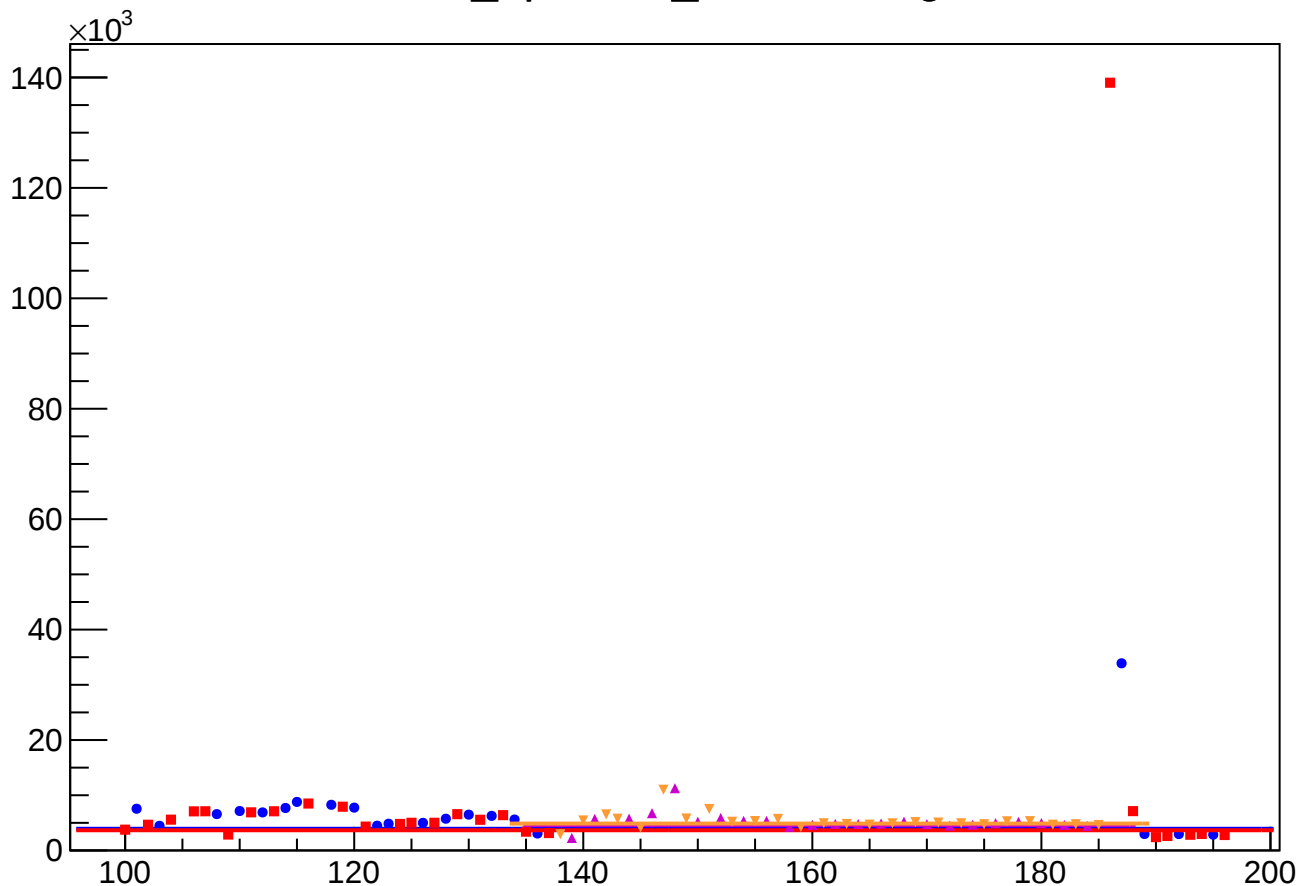
Left In: -0.925 ± 1.154 χ^2/NDF : 36.1/22

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

All: -1.164 ± 0.616 χ^2/NDF : 103.7/94

- sign -1.640 ± 0.839 χ^2/NDF : 65.9/48

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: 3661.785 ± 0.865 $\chi^2/\text{NDF}: 3501736.4/25$

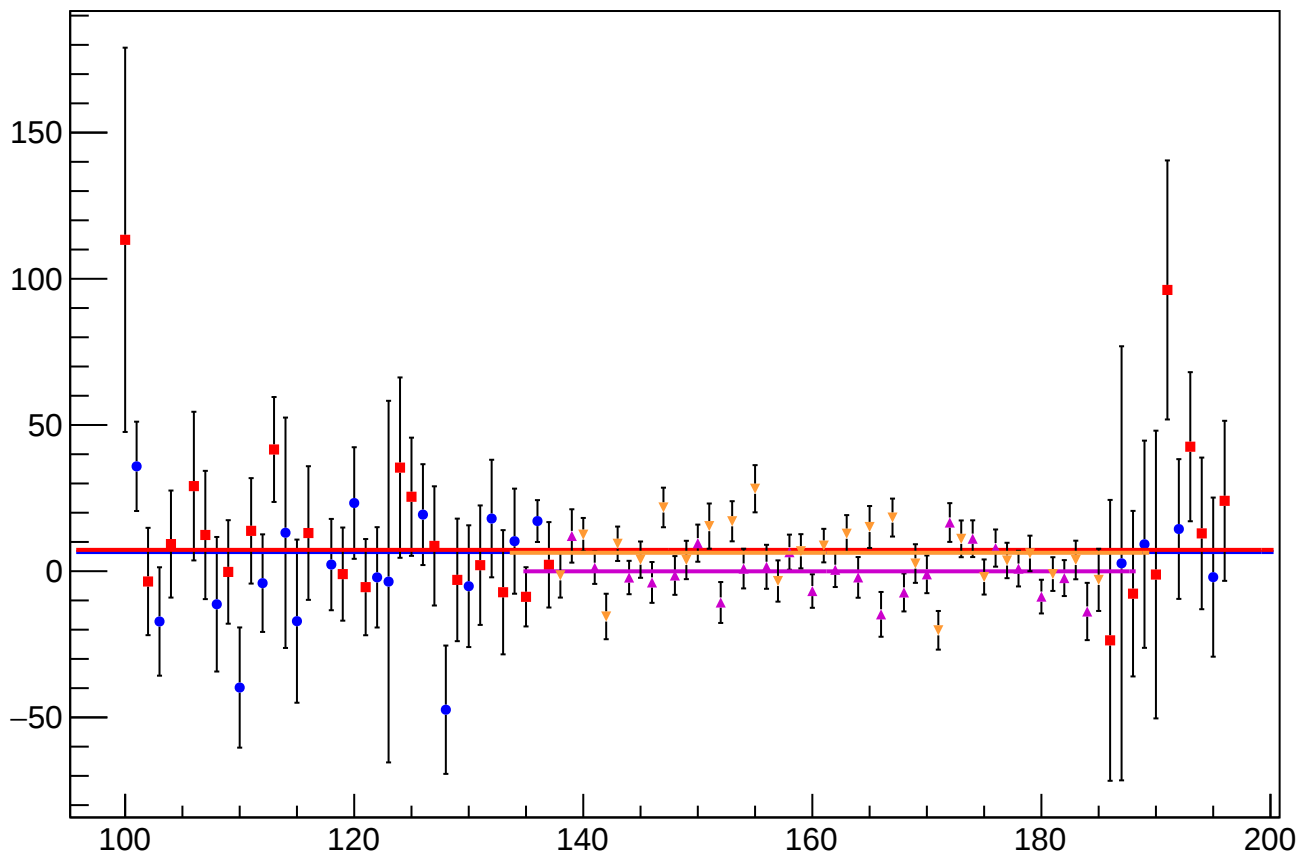
Left In: 4582.193 ± 0.816 $\chi^2/\text{NDF}: 2478681.0/22$

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

All: 4305.511 ± 0.436 $\chi^2/\text{NDF}: 11345116.0/9$

- sign 4149.109 ± 0.594 $\chi^2/\text{NDF}: 6579376.7/48$

diff_bpm16X_mean vs Slug



Right In: 6.542 ± 3.941 $\chi^2/\text{NDF}: 23.0/20$

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

Right Out: 7.294 ± 3.986 $\chi^2/\text{NDF}: 20.8/25$

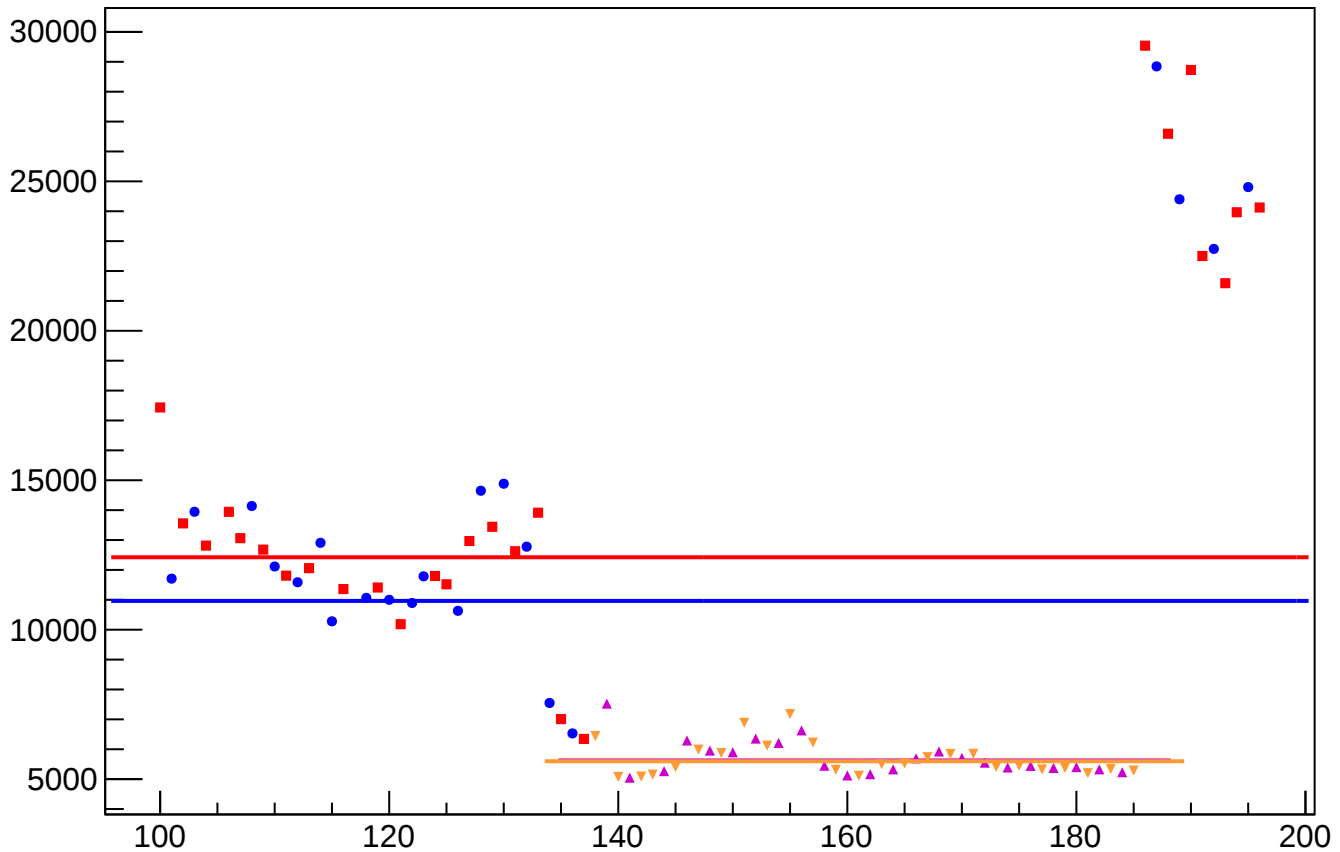
Left In: -0.044 ± 1.358 $\chi^2/\text{NDF}: 30.0/22$

+ sign 6.326 ± 1.245 $\chi^2/\text{NDF}: 79.7/45$

All: 3.611 ± 0.894 $\chi^2/\text{NDF}: 143.3/94$

- sign 0.719 ± 1.285 $\chi^2/\text{NDF}: 53.9/48$

diff_bpm16X_rms vs Slug



Right In: 10963.278+/-2.787 χ^2/NDF : 2500719.8/20

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

Right Out: 12423.502+/-2.819 χ^2/NDF : 3119917.6/25

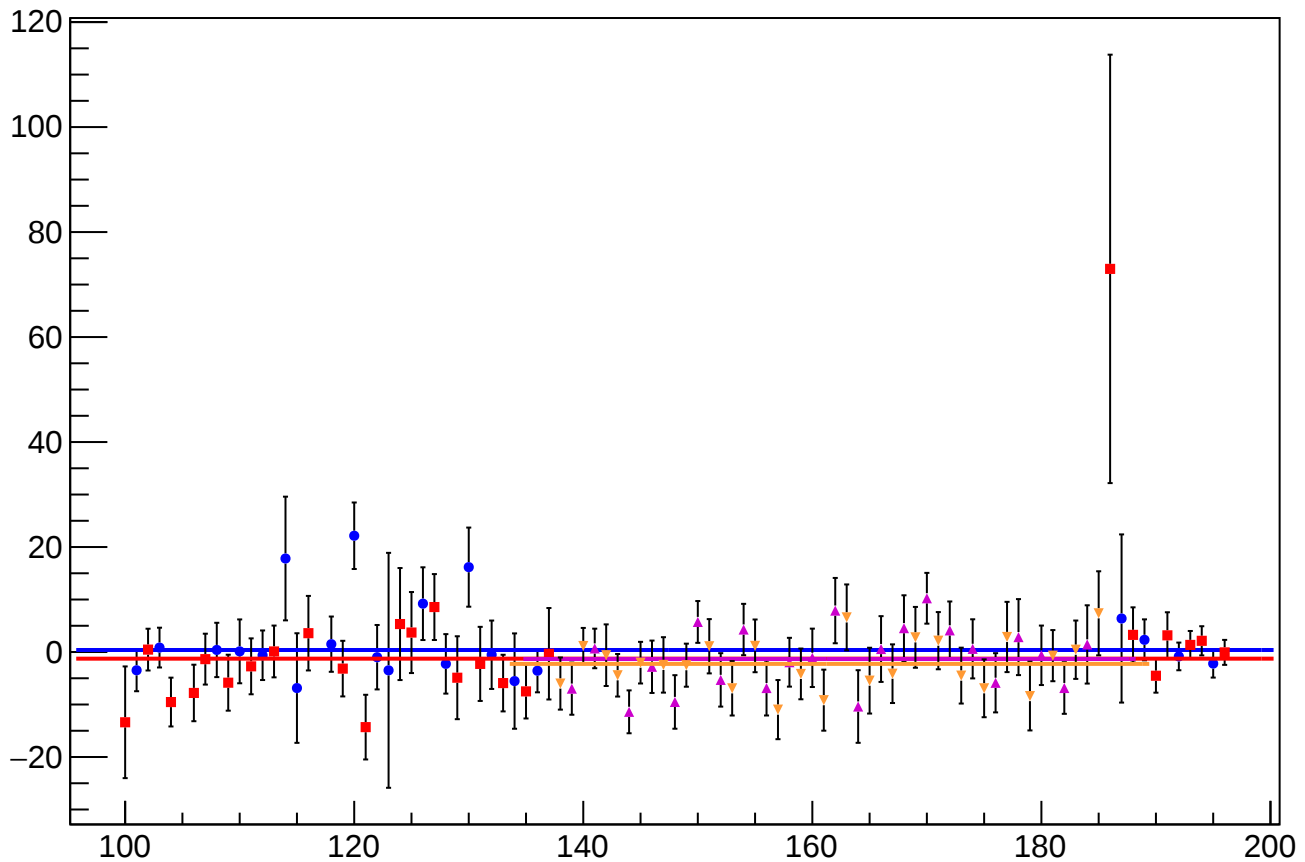
Left In: 5625.163+/-0.960 χ^2/NDF : 272563.5/22

+ sign 6134.405+/-0.881 χ^2/NDF : 6119621.3/45

All: 6230.028+/-0.632 χ^2/NDF : 14749004.4/95

- sign 6331.879+/-0.909 χ^2/NDF : 8605030.1/48

diff_bpm16Y_mean vs Slug



Right In: 0.385 $\pm$ 1.075 χ^2/NDF : 24.7/20

Left Out: -2.262 $\pm$ 1.030 χ^2/NDF : 15.5/24

Right Out: -1.266 $\pm$ 0.915 χ^2/NDF : 26.6/25

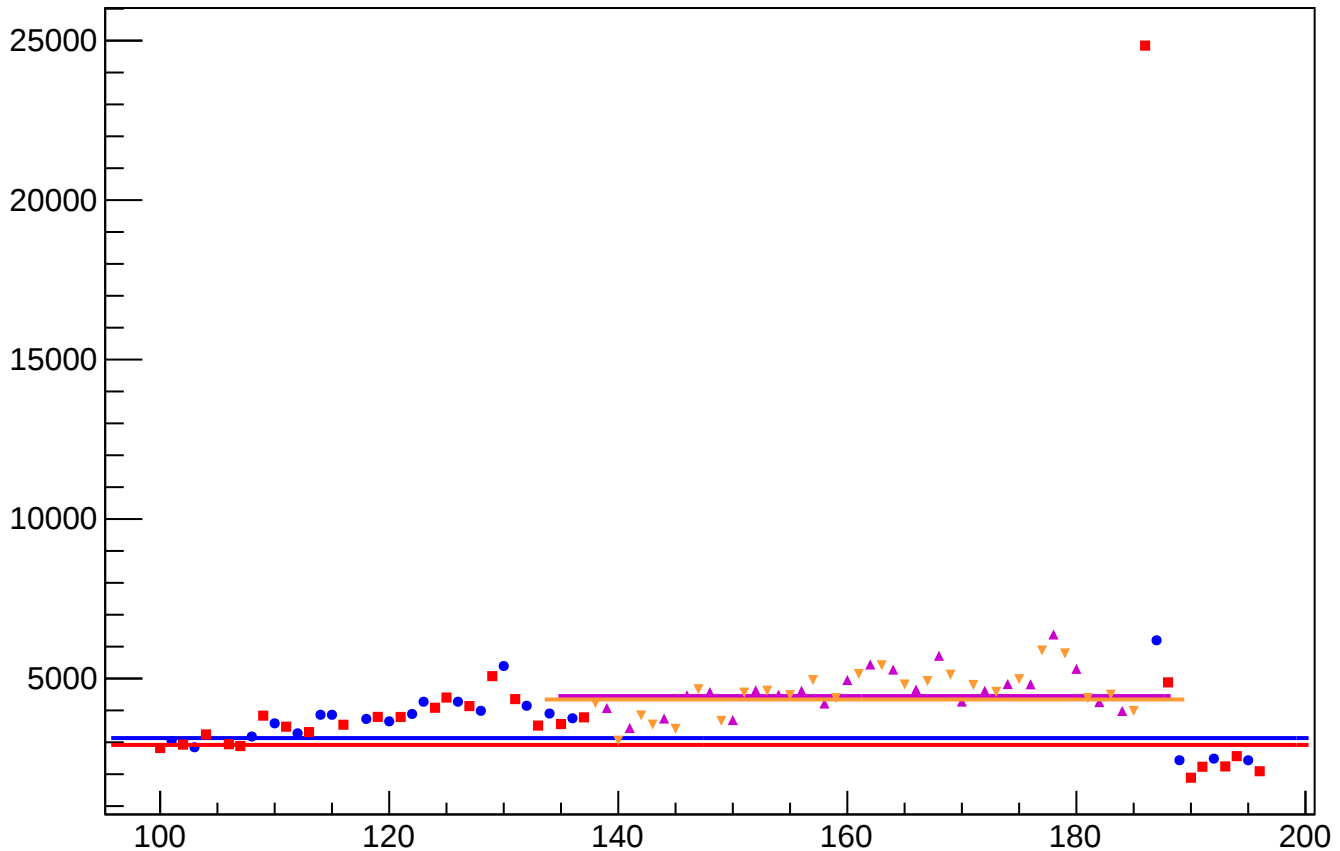
Left In: -1.328 $\pm$ 1.082 χ^2/NDF : 30.6/22

+ sign -0.994 $\pm$ 0.744 χ^2/NDF : 43.4/45

All: -1.152 $\pm$ 0.509 χ^2/NDF : 100.7/94

- sign -1.292 $\pm$ 0.699 χ^2/NDF : 57.2/48

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: 2917.987 $\pm$ 0.647 χ^2 /NDF: 2209497.3/25

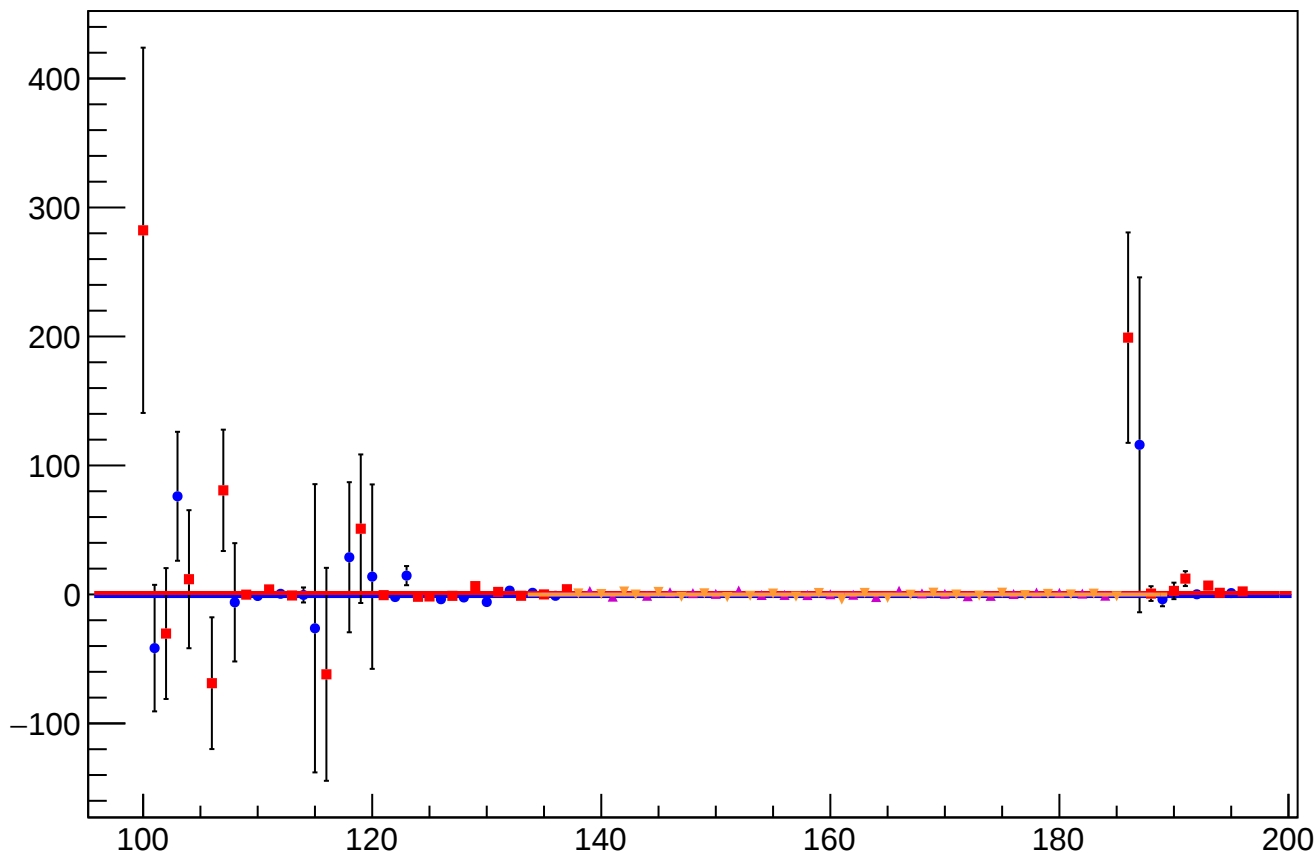
Left In: 4450.007 $\pm$ 0.765 χ^2 /NDF: 693229.8/22

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

All: 3653.737 $\pm$ 0.360 χ^2 /NDF: 8534226.1/94

- sign 3556.987 $\pm$ 0.494 χ^2 /NDF: 5239916.4/48

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: 1.138 ± 0.659 χ^2/NDF : 34.2/25

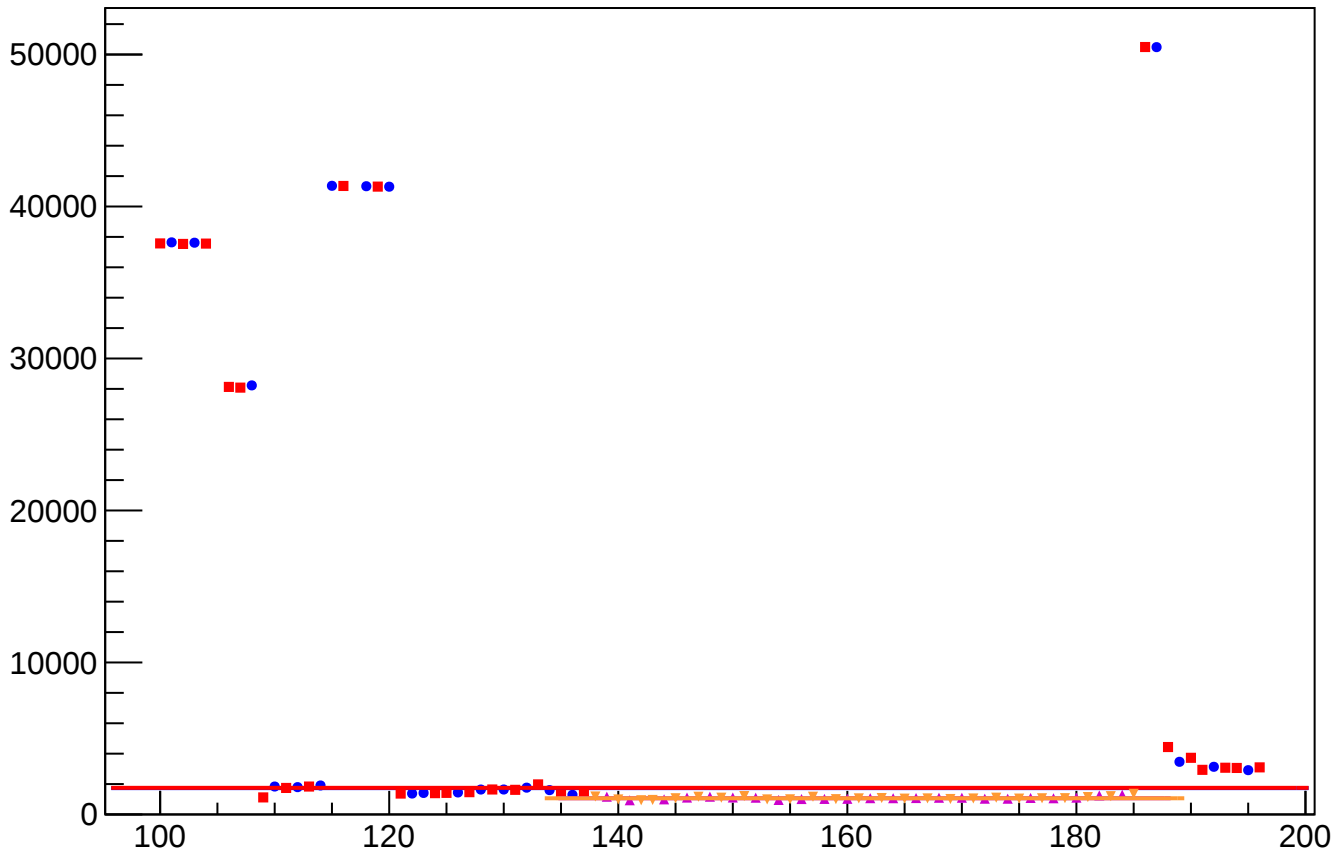
Left In: 0.259 ± 0.257 χ^2/NDF : 27.2/22

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

All: 0.072 ± 0.168 χ^2/NDF : 121.4/94

- sign 0.375 ± 0.239 χ^2/NDF : 62.9/48

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: 1751.378 $\pm$ 0.466 χ^2 /NDF: 7450787.2/25

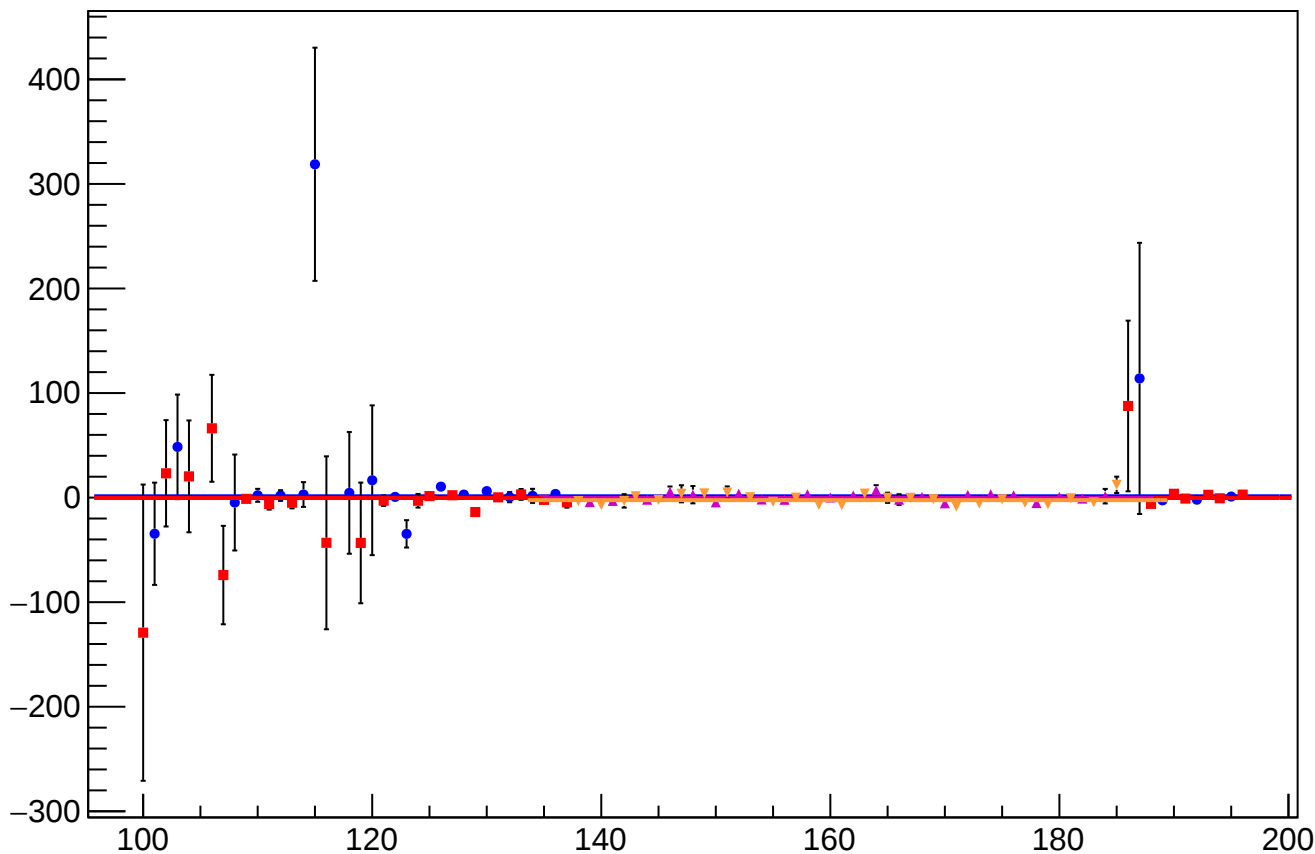
Left In: 1066.255 $\pm$ 0.182 χ^2 /NDF: 164232.1/22

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

All: 1147.282 $\pm$ 0.119 χ^2 /NDF: 17245594.0/9

- sign 1156.572 $\pm$ 0.169 χ^2 /NDF: 9489251.2/48

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: -0.367 ± 0.820 χ^2/NDF : 27.6/25

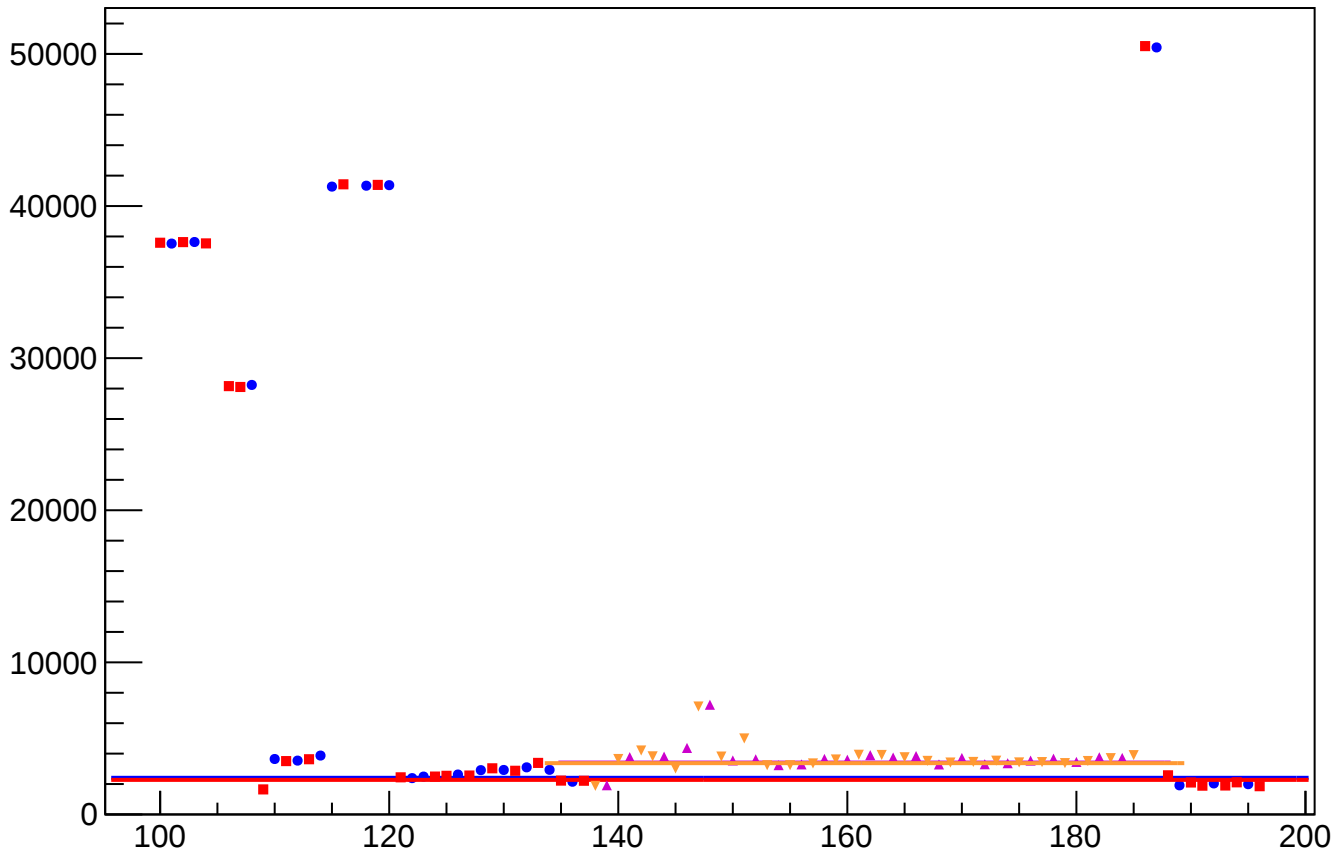
Left In: -0.468 ± 0.843 χ^2/NDF : 15.5/22

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

All: -0.641 ± 0.426 χ^2/NDF : 102.1/94

- sign -0.416 ± 0.588 χ^2/NDF : 43.0/48

diff_bpm1p02bY_rms vs Slug



Right In: 2409.630+/-0.677 χ^2/NDF : 5192718.7/20

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

Right Out: 2273.089+/-0.580 χ^2/NDF : 5861749.9/25

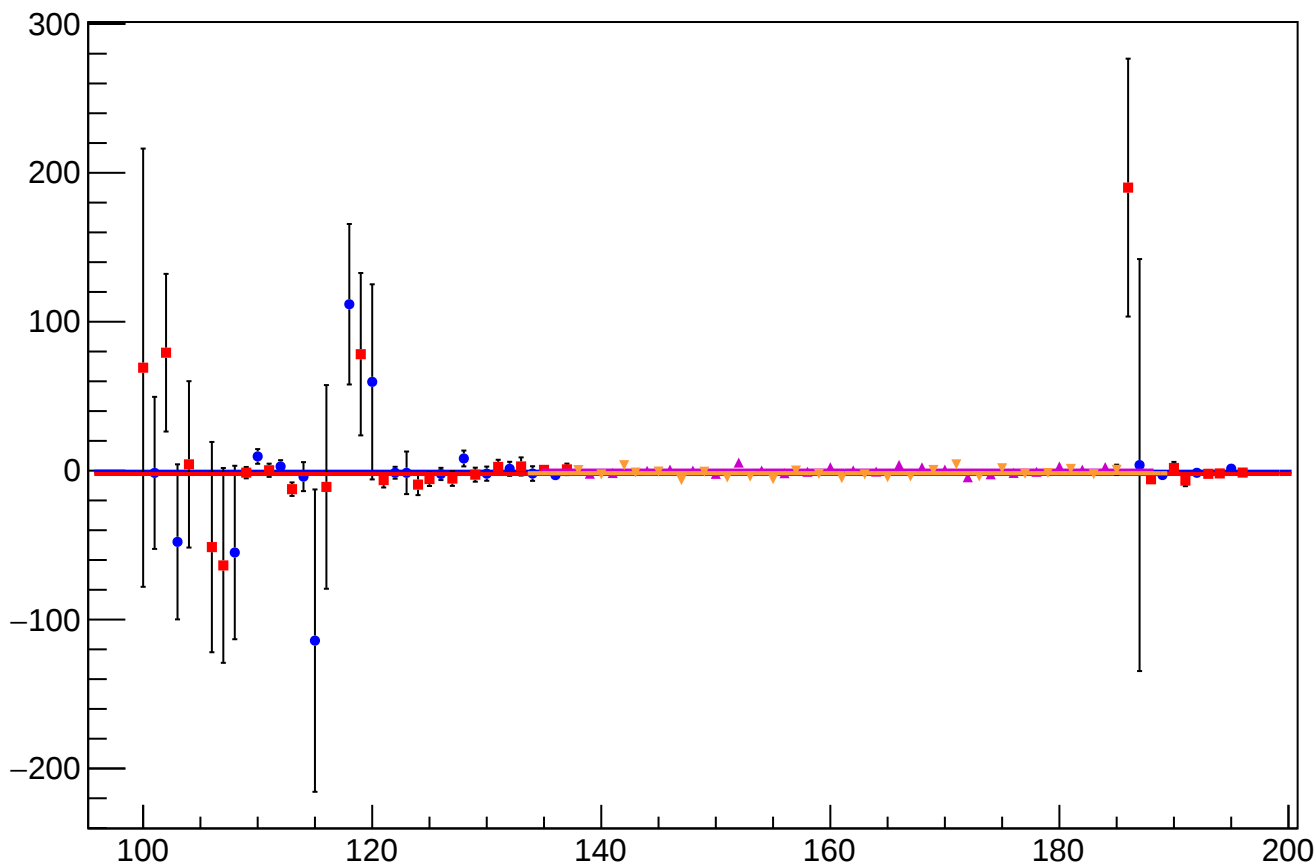
Left In: 3411.924+/-0.596 χ^2/NDF : 1434523.7/22

+ sign 2970.709+/-0.437 χ^2/NDF : 8029216.6/45

All: 2895.014+/-0.301 χ^2/NDF : 17258797.0/9

- sign 2826.699+/-0.416 χ^2/NDF : 9172604.8/48

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: -2.265 ± 0.822 χ^2/NDF : 26.2/25

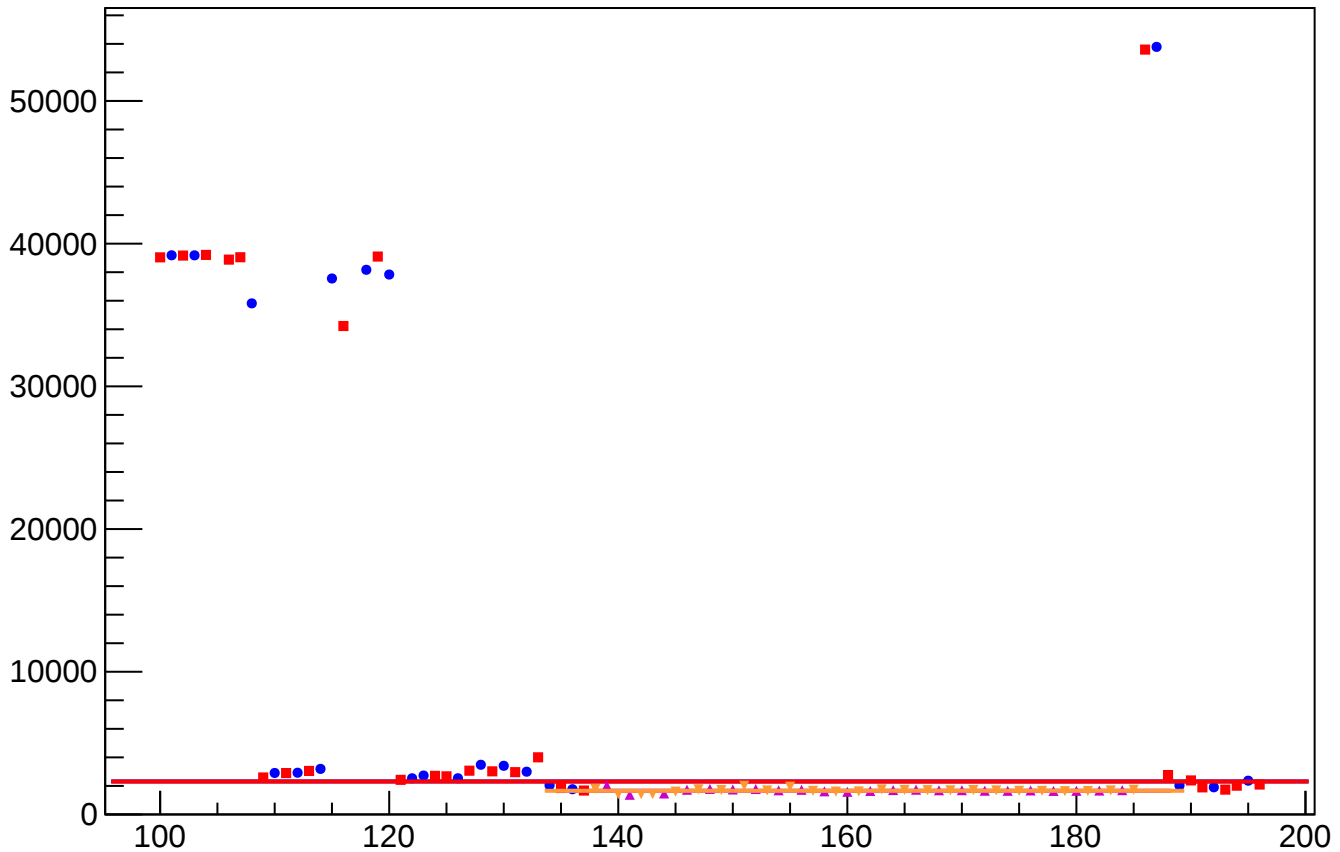
Left In: 0.072 ± 0.401 χ^2/NDF : 28.2/22

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

All: -0.956 ± 0.254 χ^2/NDF : 132.0/94

- sign -0.378 ± 0.360 χ^2/NDF : 61.0/48

diff_bpm1p03aX_rms vs Slug



Right In: 2315.059 ± 0.654 $\chi^2/\text{NDF}: 5311282.9/20$

Left Out: 1657.770 ± 0.274 $\chi^2/\text{NDF}: 223465.3/24$

Right Out: 2307.440 ± 0.581 $\chi^2/\text{NDF}: 5965906.9/25$

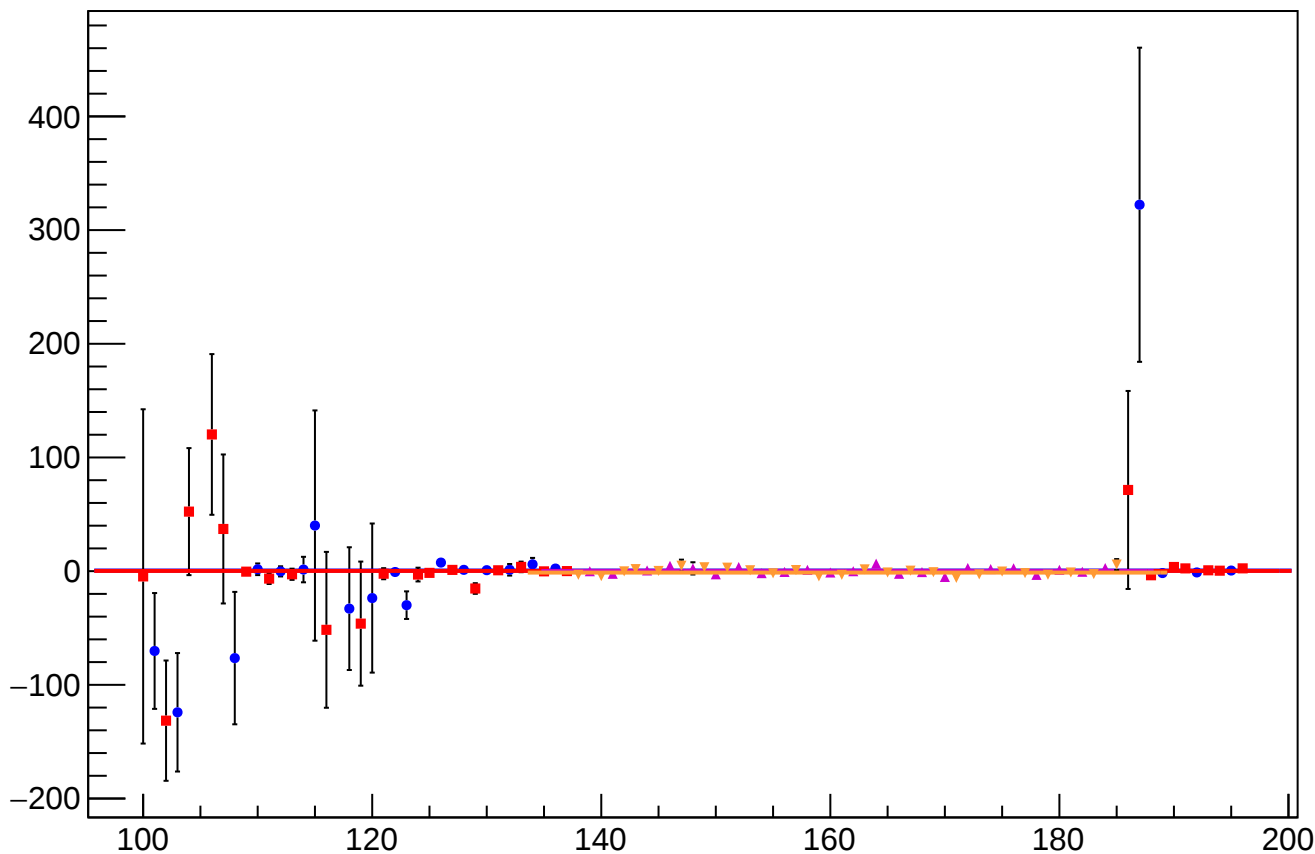
Left In: 1663.620 ± 0.284 $\chi^2/\text{NDF}: 178858.2/22$

+ sign 1756.068 ± 0.253 $\chi^2/\text{NDF}: 6392769.9/45$

All: 1771.631 ± 0.180 $\chi^2/\text{NDF}: 13536233.0/9$

- sign 1787.418 ± 0.255 $\chi^2/\text{NDF}: 7135844.2/48$

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: 0.202 ± 0.678 χ^2/NDF : 32.8/25

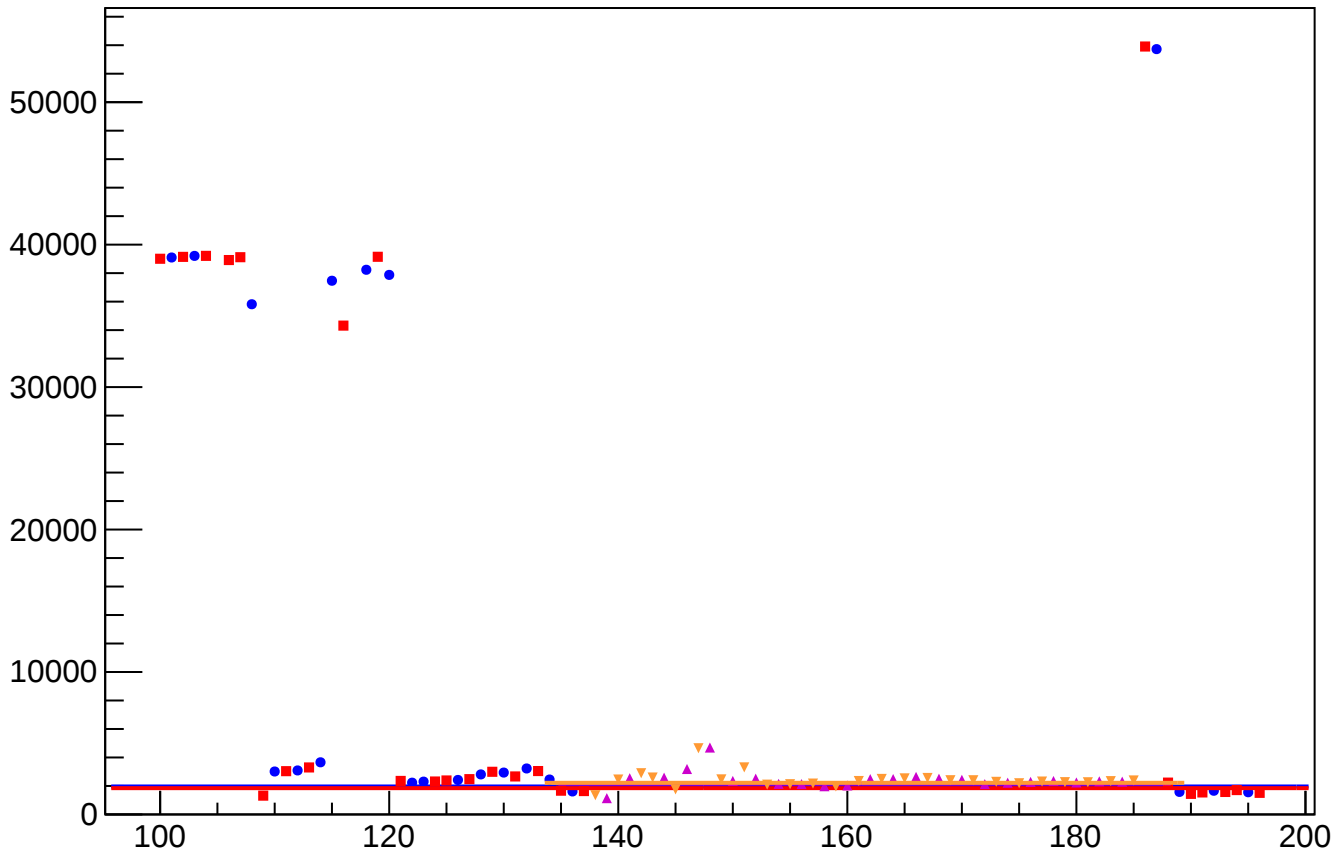
Left In: 0.098 ± 0.541 χ^2/NDF : 19.3/22

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

All: -0.258 ± 0.306 χ^2/NDF : 107.9/94

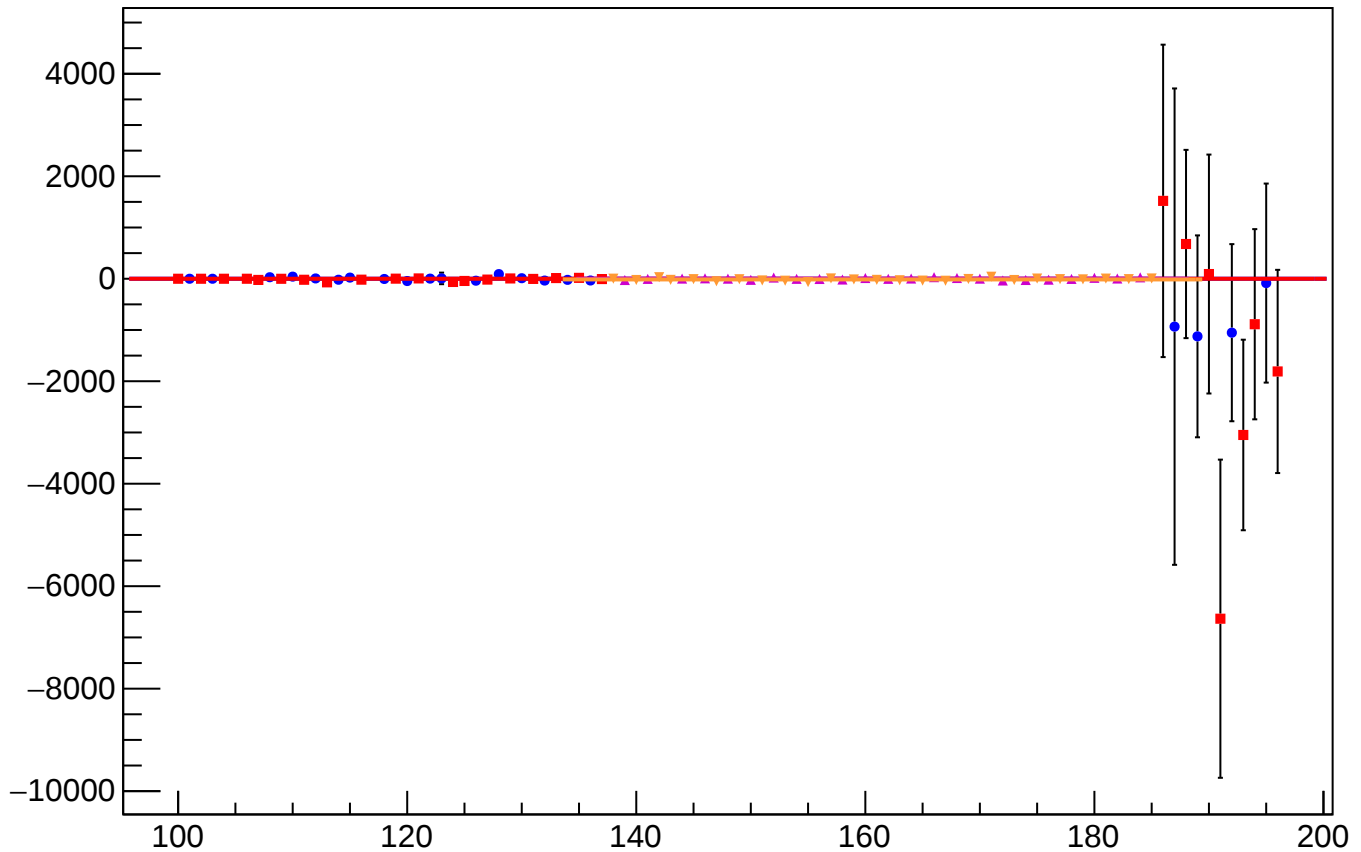
- sign 0.138 ± 0.423 χ^2/NDF : 52.1/48

diff_bpm1p03aY_rms vs Slug



Right In: 1963.309+/-0.564	χ^2/NDF : 5716232.6/20	+ sign 2141.745+/-0.314	χ^2/NDF : 7283912.5/45
Left Out: 2222.081+/-0.378	χ^2/NDF : 1422440.9/24	All: 2090.360+/-0.217	χ^2/NDF : 16006783.8/9
Right Out: 1846.350+/-0.480	χ^2/NDF : 6419752.8/25	- sign 2043.769+/-0.299	χ^2/NDF : 8671862.6/48
Left In: 2169.443+/-0.383	χ^2/NDF : 1974869.8/22		

diff_cav4bX_mean vs Slug



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

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

Right Out: 0.003 $\pm$ 0.016 χ^2 /NDF: 24.2/25

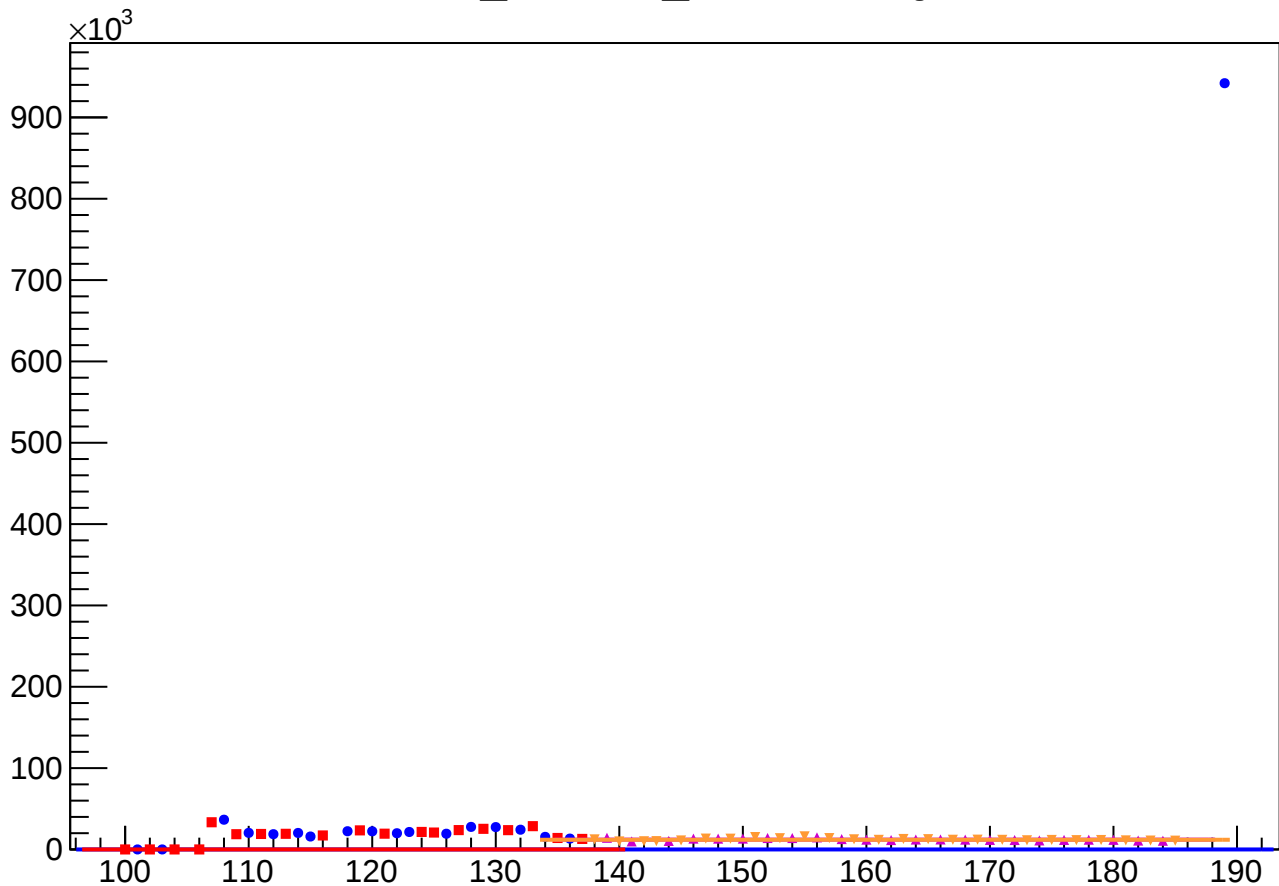
Left In: -0.459 $\pm$ 2.917 χ^2 /NDF: 29.0/22

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

All: 0.008 $\pm$ 0.012 χ^2 /NDF: 152.6/94

- sign 0.003 $\pm$ 0.016 χ^2 /NDF: 53.2/48

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

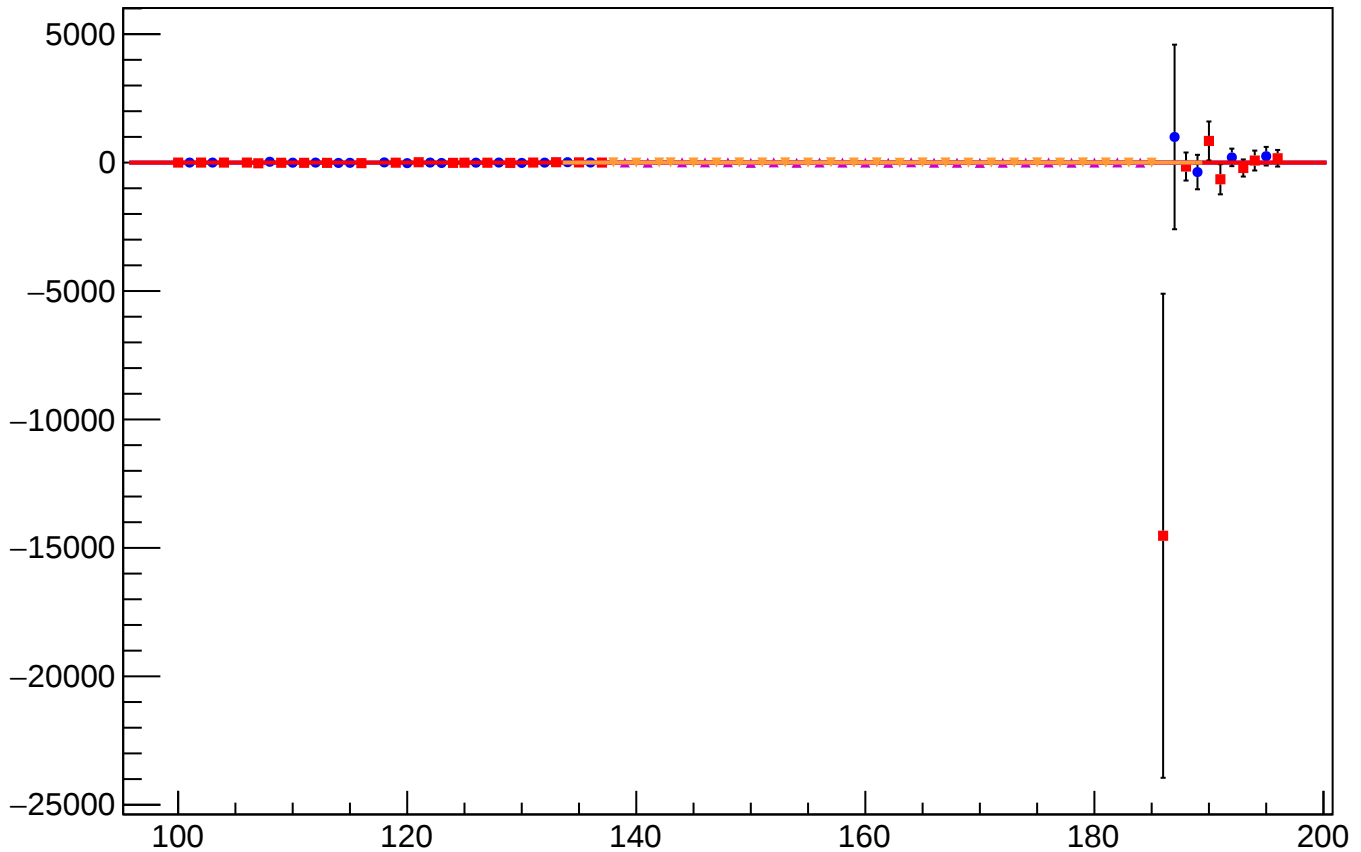
Left In: 12064.761 $\pm$ 2.062 χ^2 /NDF: 368452.5/22

+ 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: 24.4/25

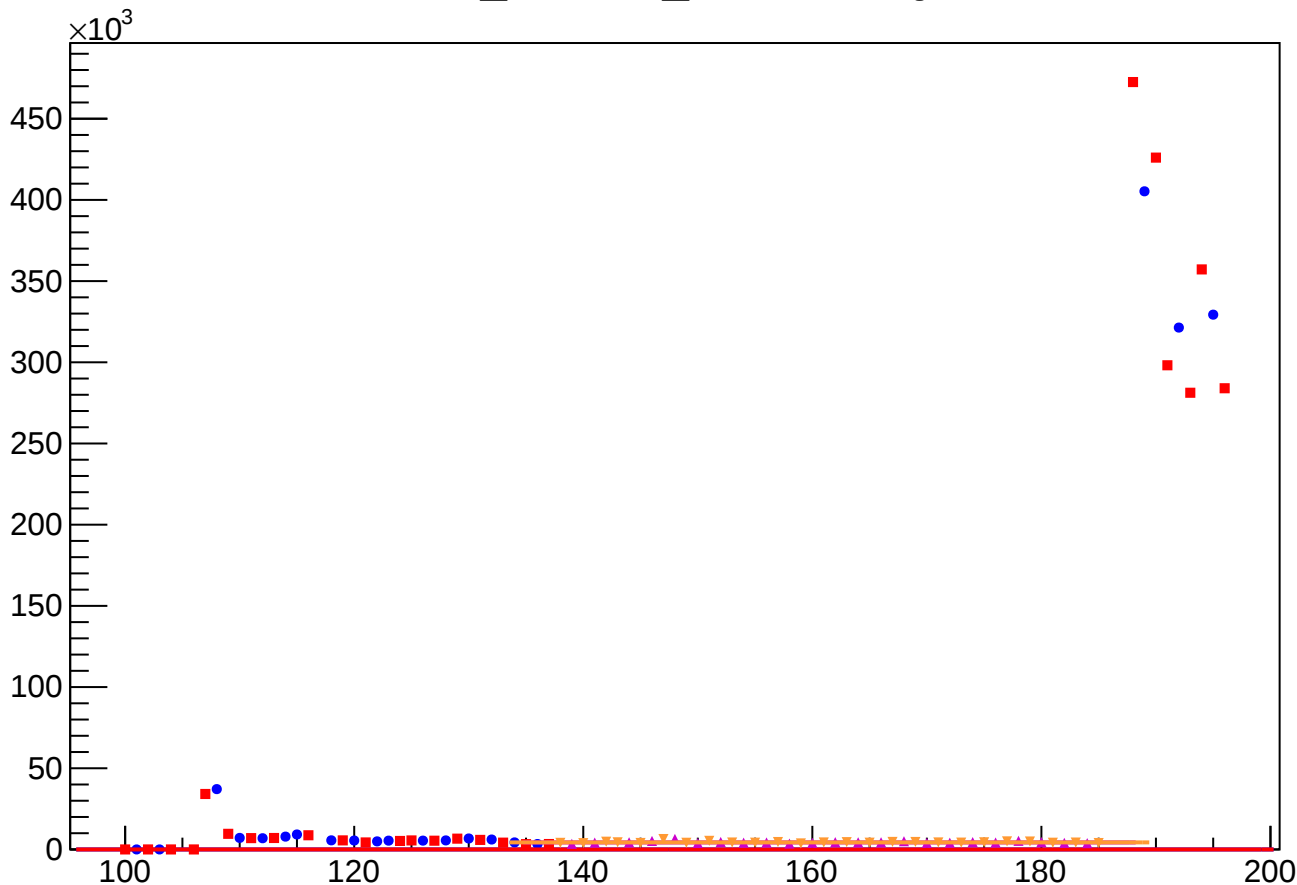
Left In: 0.939 $\pm$ 1.049 χ^2 /NDF:35.6/22

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

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 96.9/94

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 60.8/48

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 : 18408044.2/24

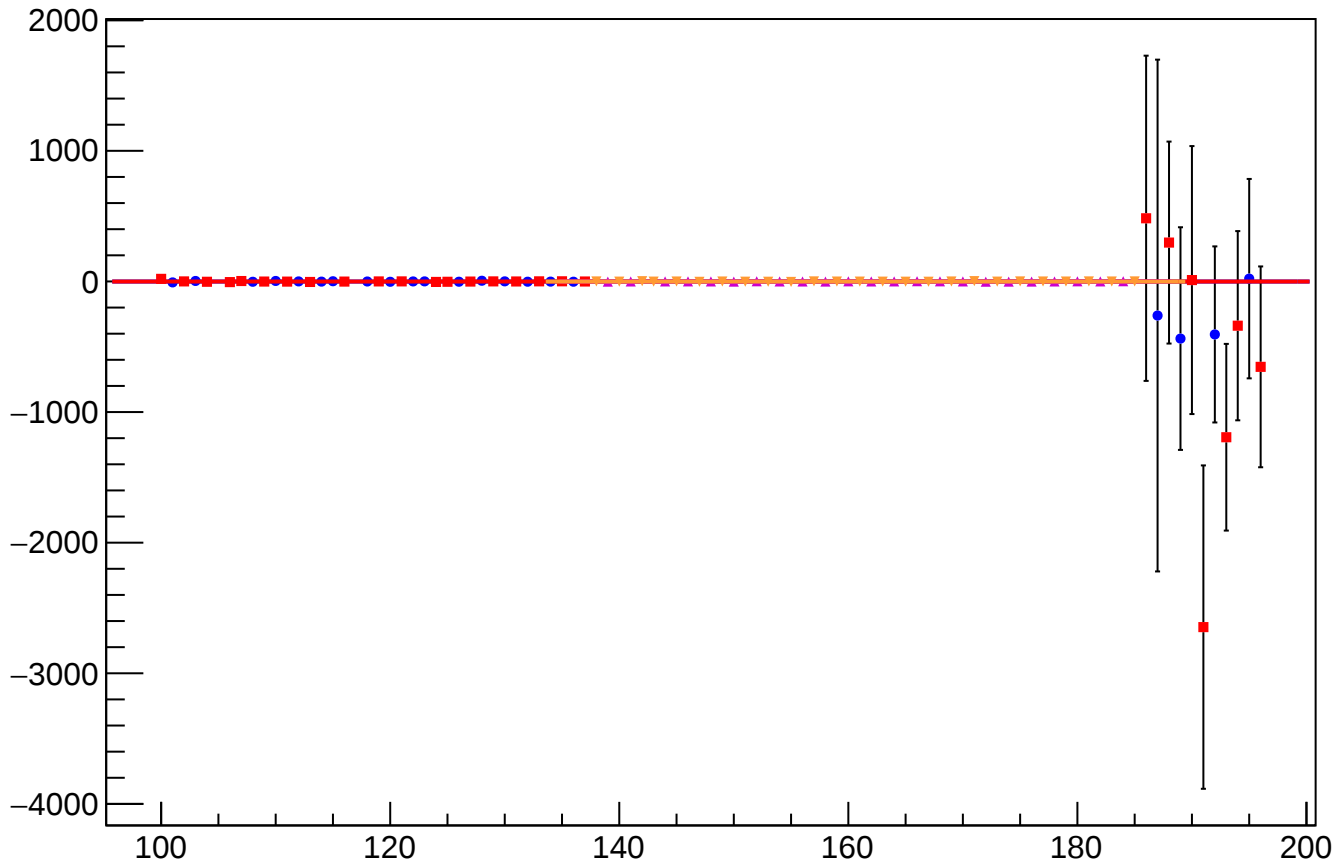
Left In: 4321.572+/-0.741 χ^2/NDF : 514603.2/22

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

All: 10.215+/-0.004 χ^2/NDF : 104380081.4/92

- sign 10.148+/-0.006 χ^2/NDF : 52741411.1/47

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 : 21.7/25

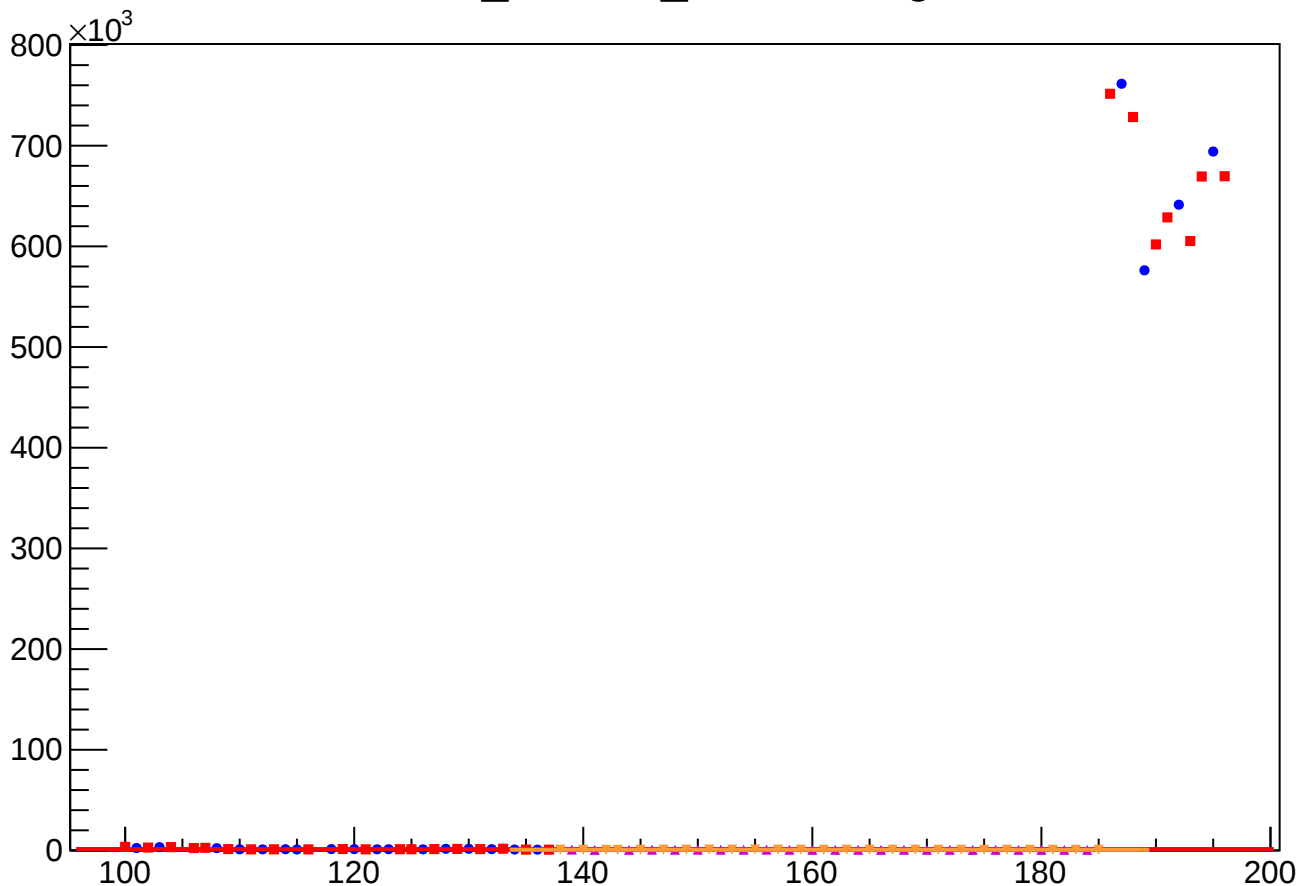
Left In: -0.018 ± 0.171 χ^2/NDF : 29.4/22

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

All: -0.438 ± 0.112 χ^2/NDF : 143.7/94

- sign -0.083 ± 0.162 χ^2/NDF : 52.5/48

diff_cav4cX_rms vs Slug



Right In: 1167.957+/-0.342 χ^2/NDF : 6236927.9/20

Left Out: 700.984+/-0.116 χ^2/NDF : 392855.4/24

Right Out: 1249.482+/-0.355 χ^2/NDF : 9938187.9/25

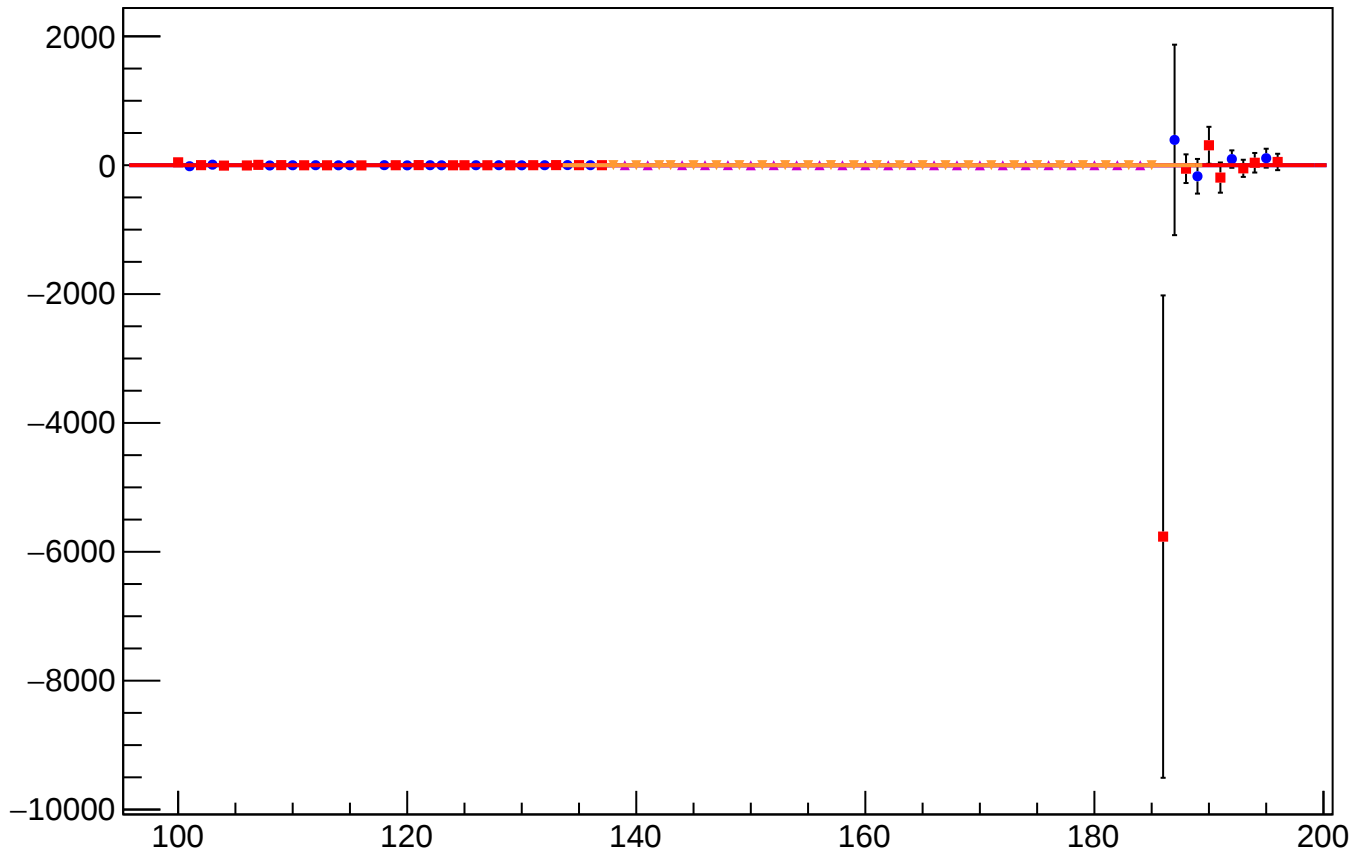
Left In: 706.971+/-0.121 χ^2/NDF : 332011.4/22

+ sign 749.538+/-0.110 χ^2/NDF : 8304025.6/45

All: 756.189+/-0.079 χ^2/NDF : 20679233.4/94

- sign 763.350+/-0.114 χ^2/NDF : 12367638.6/48

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 : 25.2/25

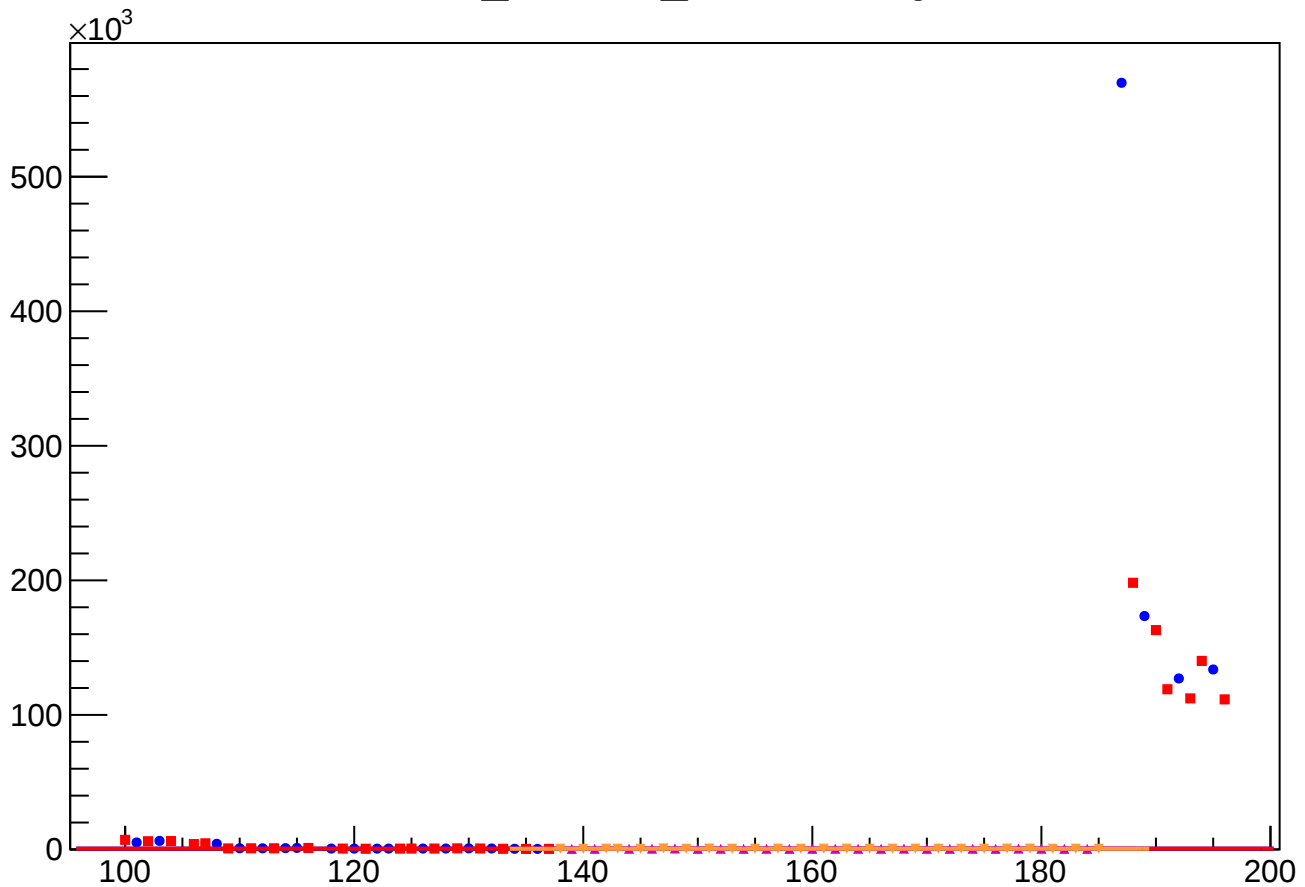
Left In: 0.126 ± 0.126 χ^2/NDF : 35.0/22

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

All: 0.169 ± 0.080 χ^2/NDF : 100.0/94

- sign 0.154 ± 0.114 χ^2/NDF : 60.4/48

diff_cav4cY_rms vs Slug



Right In: 610.526 ± 0.190 χ^2/NDF : 7659116.7/20

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

Right Out: 600.733 ± 0.187 χ^2/NDF : 10907258.2/24

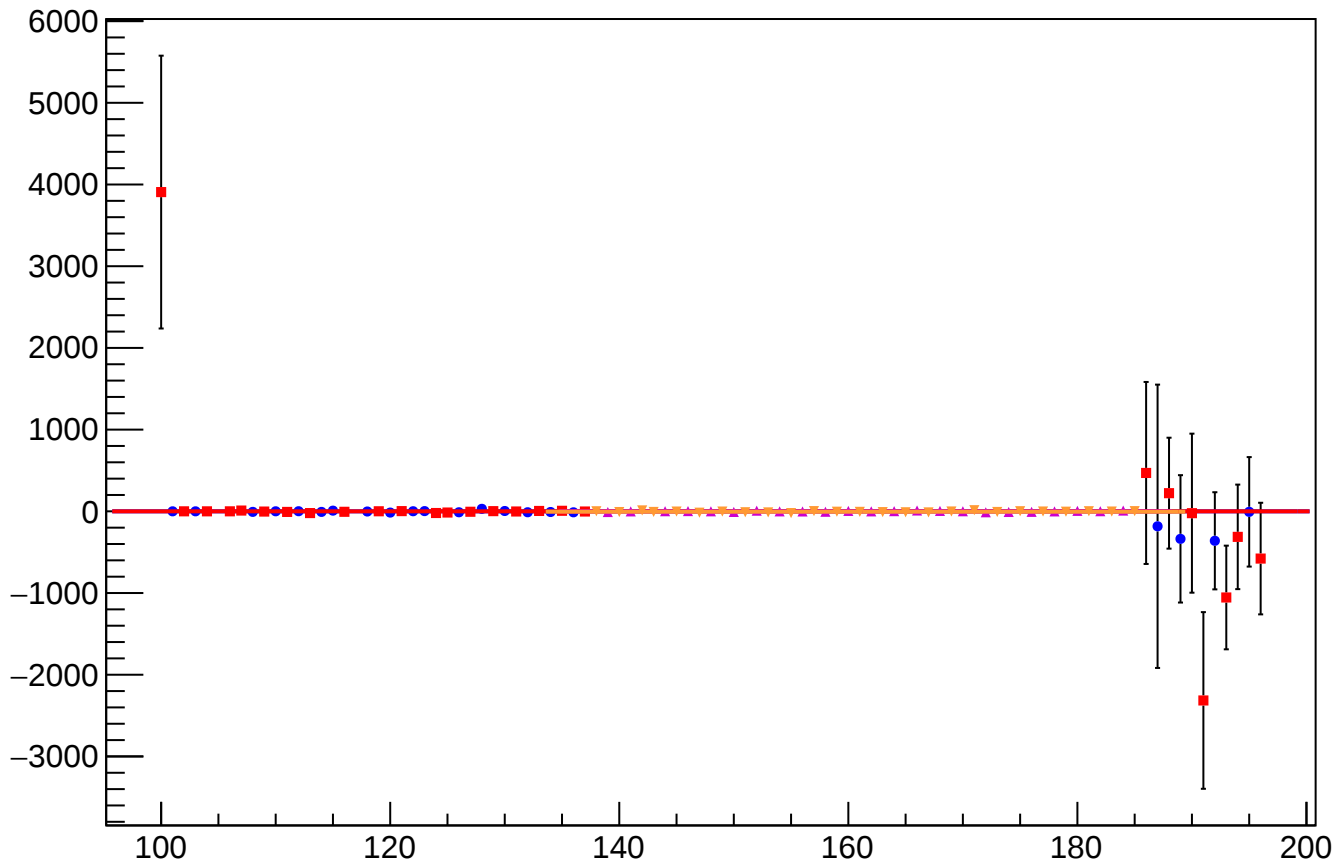
Left In: 520.700 ± 0.089 χ^2/NDF : 427720.5/22

+ sign 537.409 ± 0.079 χ^2/NDF : 8167984.4/45

All: 536.492 ± 0.056 χ^2/NDF : 19652495.8/93

- sign 535.538 ± 0.081 χ^2/NDF : 11484235.7/47

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 : 26.0/25

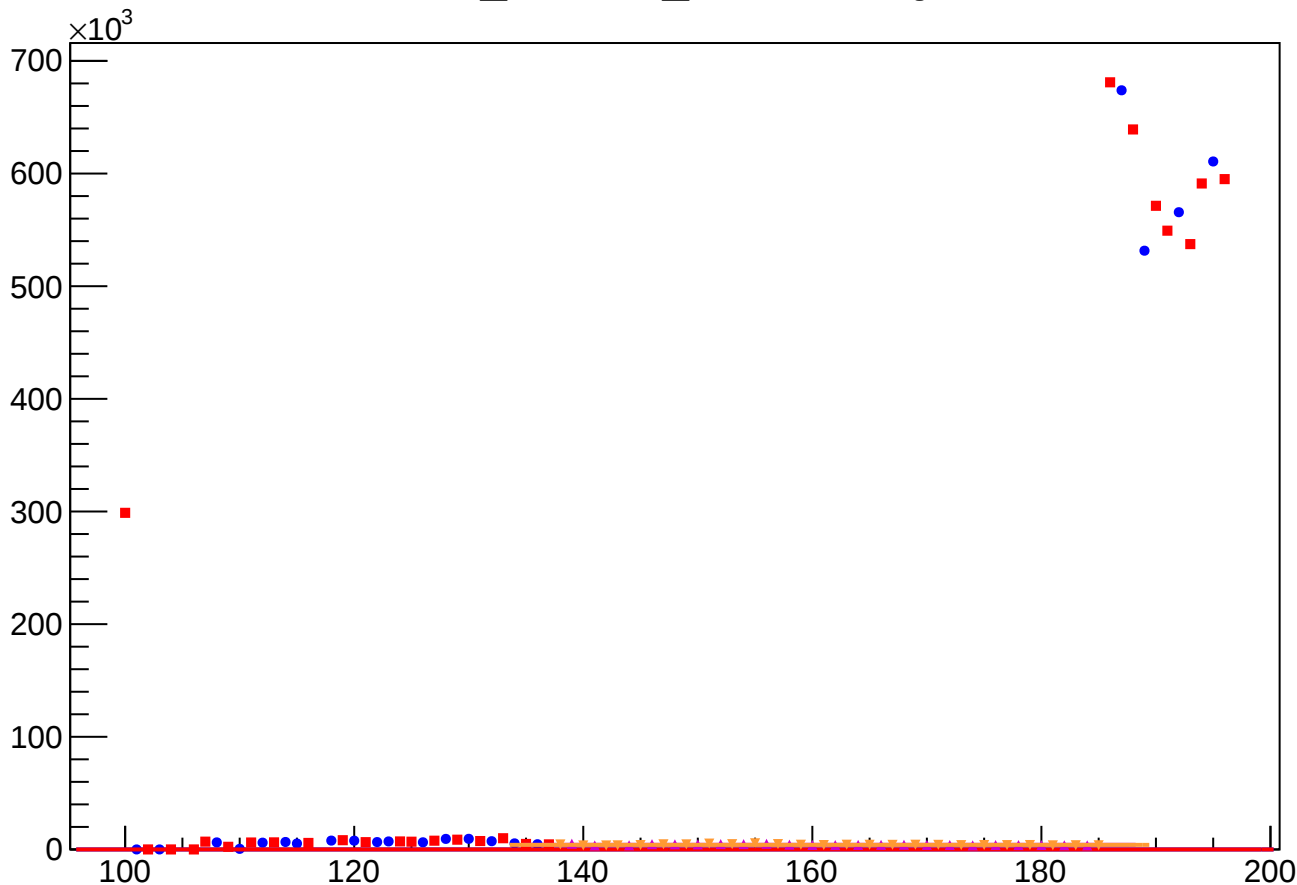
Left In: -0.183 ± 0.994 χ^2/NDF : 29.5/22

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

All: -0.025 ± 0.014 χ^2/NDF : 152.2/94

- sign -0.027 ± 0.020 χ^2/NDF : 55.5/48

diff_cav4dX_rms vs Slug



Right In: 17.341 ± 0.015 $\chi^2/\text{NDF}: 15161336.3/20$

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

Right Out: 17.270 ± 0.014 $\chi^2/\text{NDF}: 19131343.1/25$

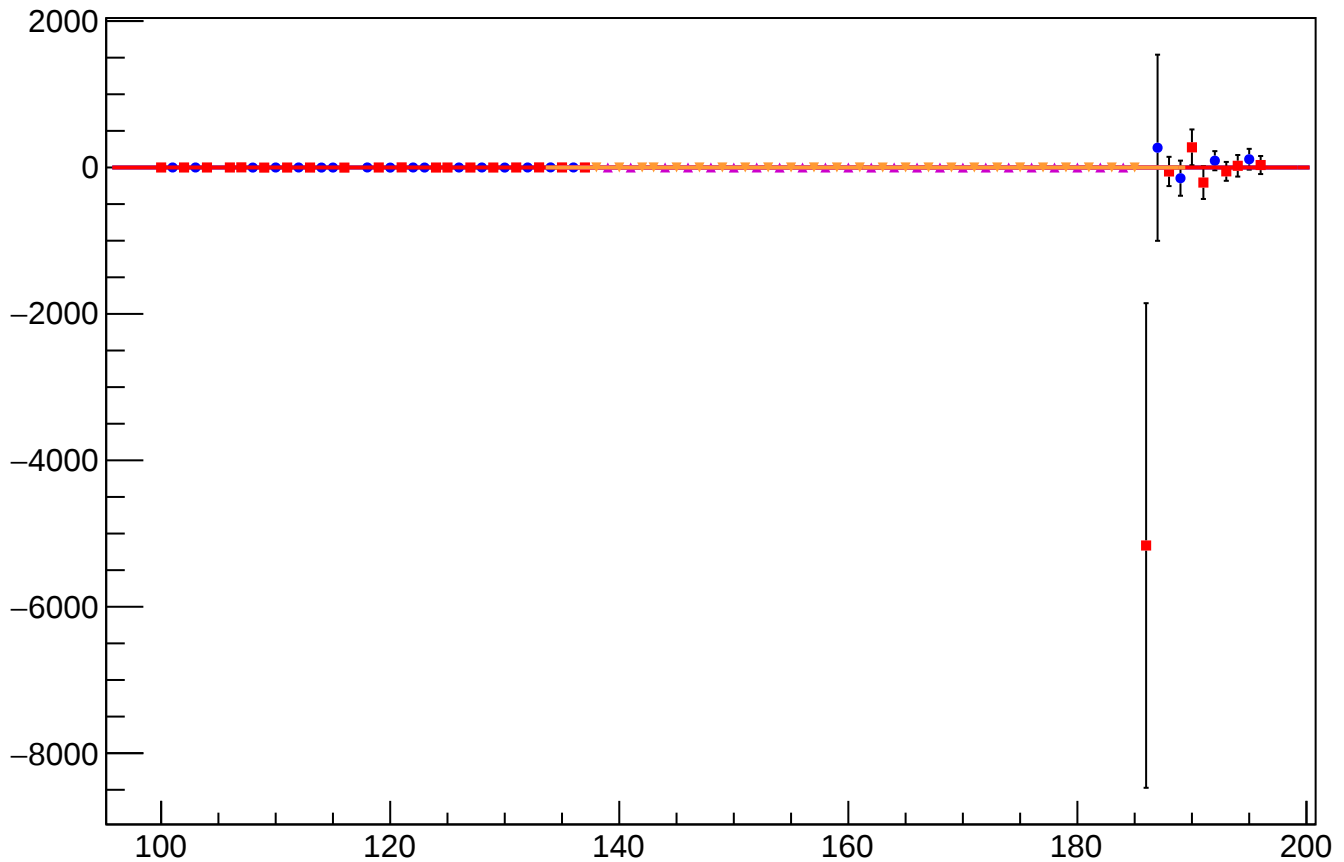
Left In: 4113.993 ± 0.703 $\chi^2/\text{NDF}: 349160.6/22$

+ sign 19.255 ± 0.015 $\chi^2/\text{NDF}: 51511474.0/45$

All: 19.064 ± 0.010 $\chi^2/\text{NDF}: 104948238.2/94$

- sign 18.891 ± 0.014 $\chi^2/\text{NDF}: 53436441.6/48$

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: 23.1/25

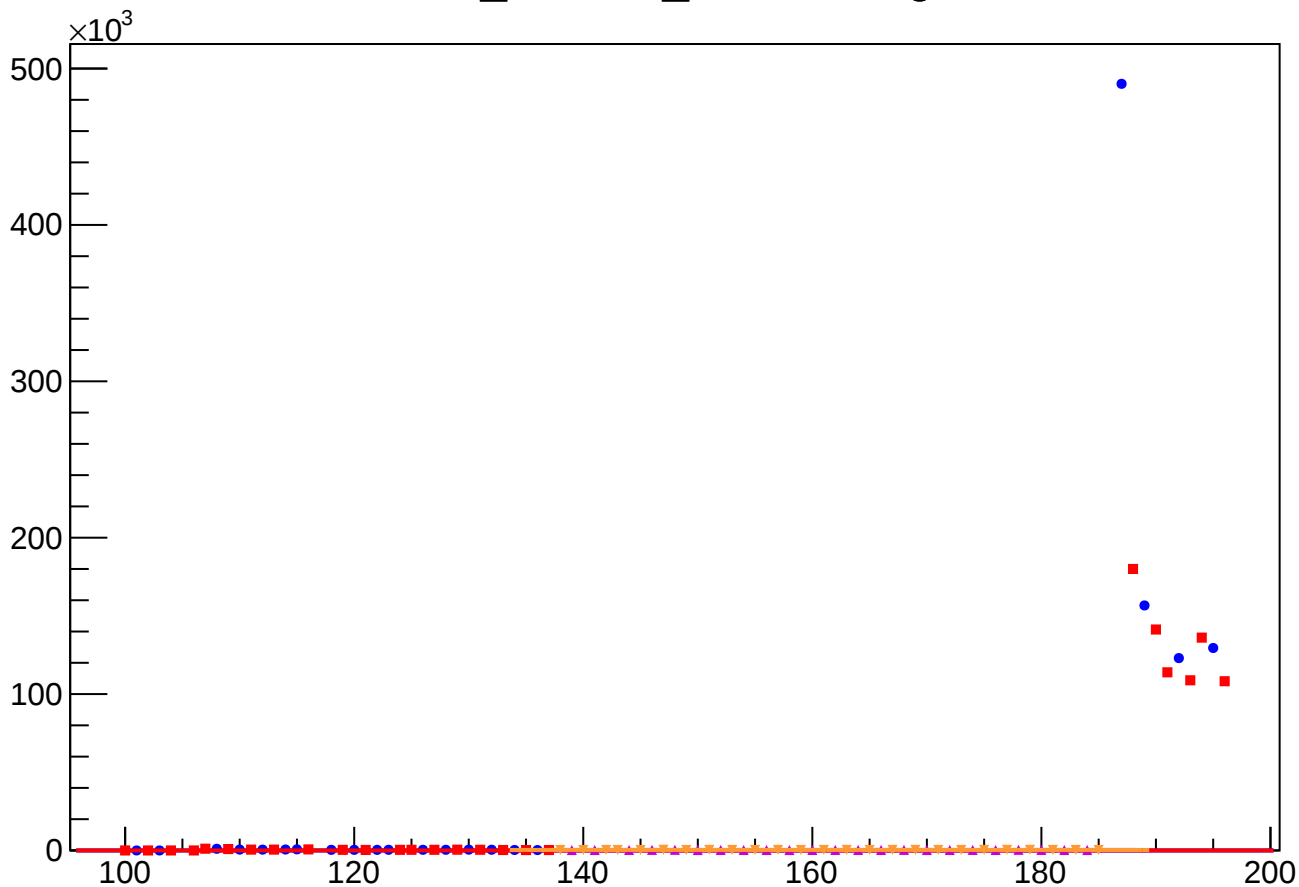
Left In: 0.080 $\pm$ 0.079 χ^2 /NDF: 34.6/22

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

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 95.0/94

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 58.7/48

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 : 18177094.7/24

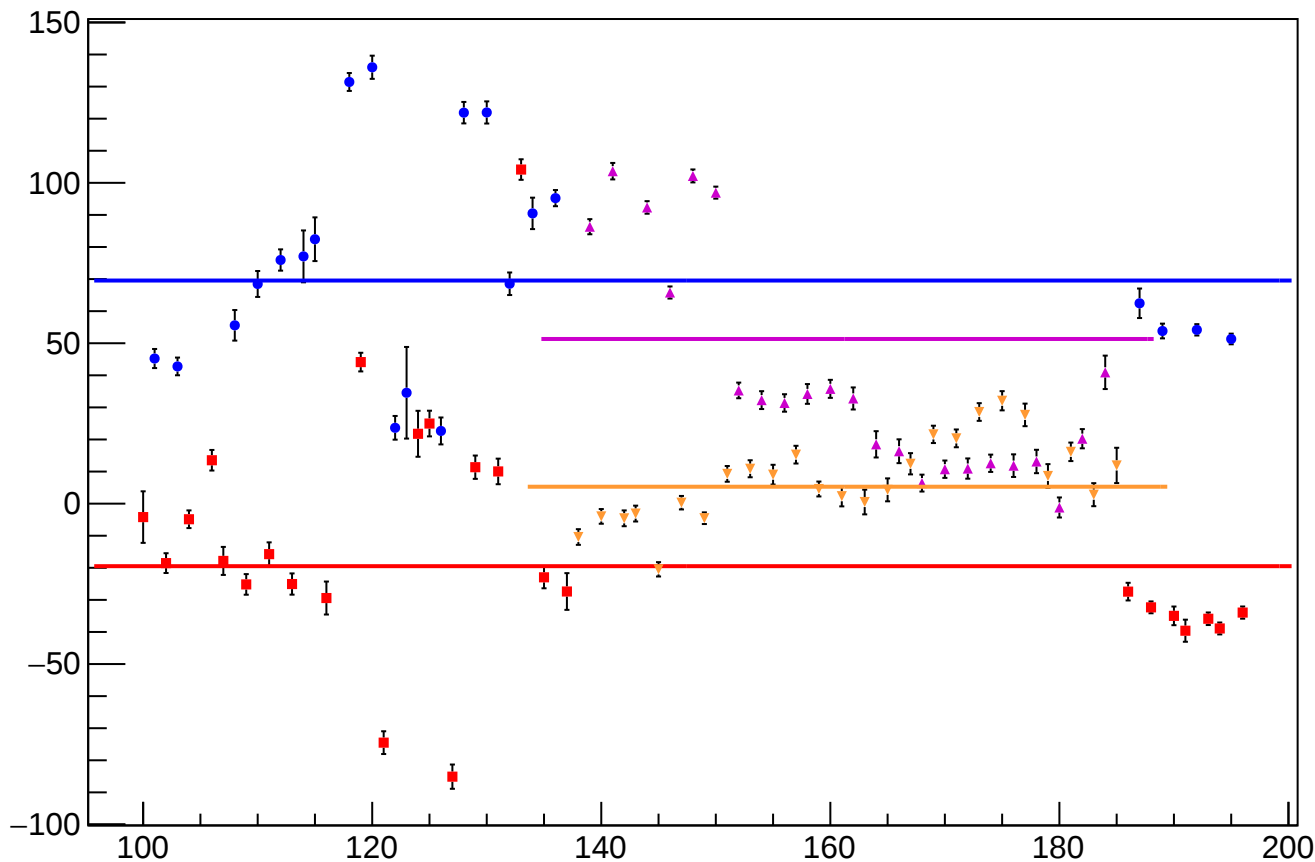
Left In: 325.626 ± 0.056 χ^2/NDF : 413350.0/22

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

All: 1.925 ± 0.001 χ^2/NDF : 104121788.8/93

- sign 1.924 ± 0.001 χ^2/NDF : 52315004.3/47

diff_bpm0i01X_mean vs Slug



Right In: 69.546 ± 0.676 $\chi^2/\text{NDF}: 2134.8/20$

Left Out: 5.276 ± 0.544 $\chi^2/\text{NDF}: 556.2/24$

Right Out: -19.492 ± 0.591 $\chi^2/\text{NDF}: 3302.9/25$

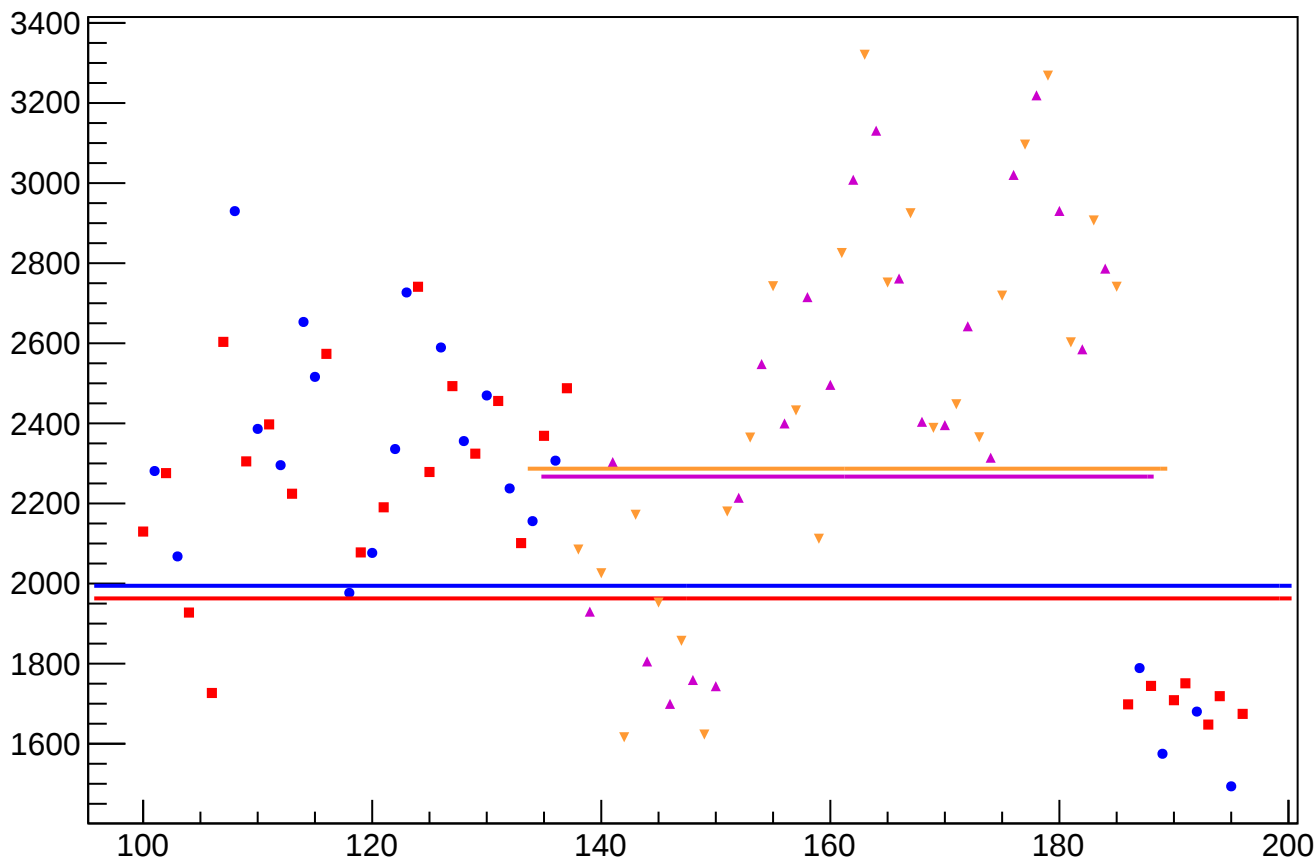
Left In: 51.328 ± 0.558 $\chi^2/\text{NDF}: 4257.8/22$

+ sign 30.538 ± 0.424 $\chi^2/\text{NDF}: 8173.8/45$

All: 23.967 ± 0.293 $\chi^2/\text{NDF}: 23778.8/94$

- sign 17.942 ± 0.406 $\chi^2/\text{NDF}: 15144.5/48$

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: 1962.887 $\pm$ 0.418 χ^2 /NDF: 554772.3/25

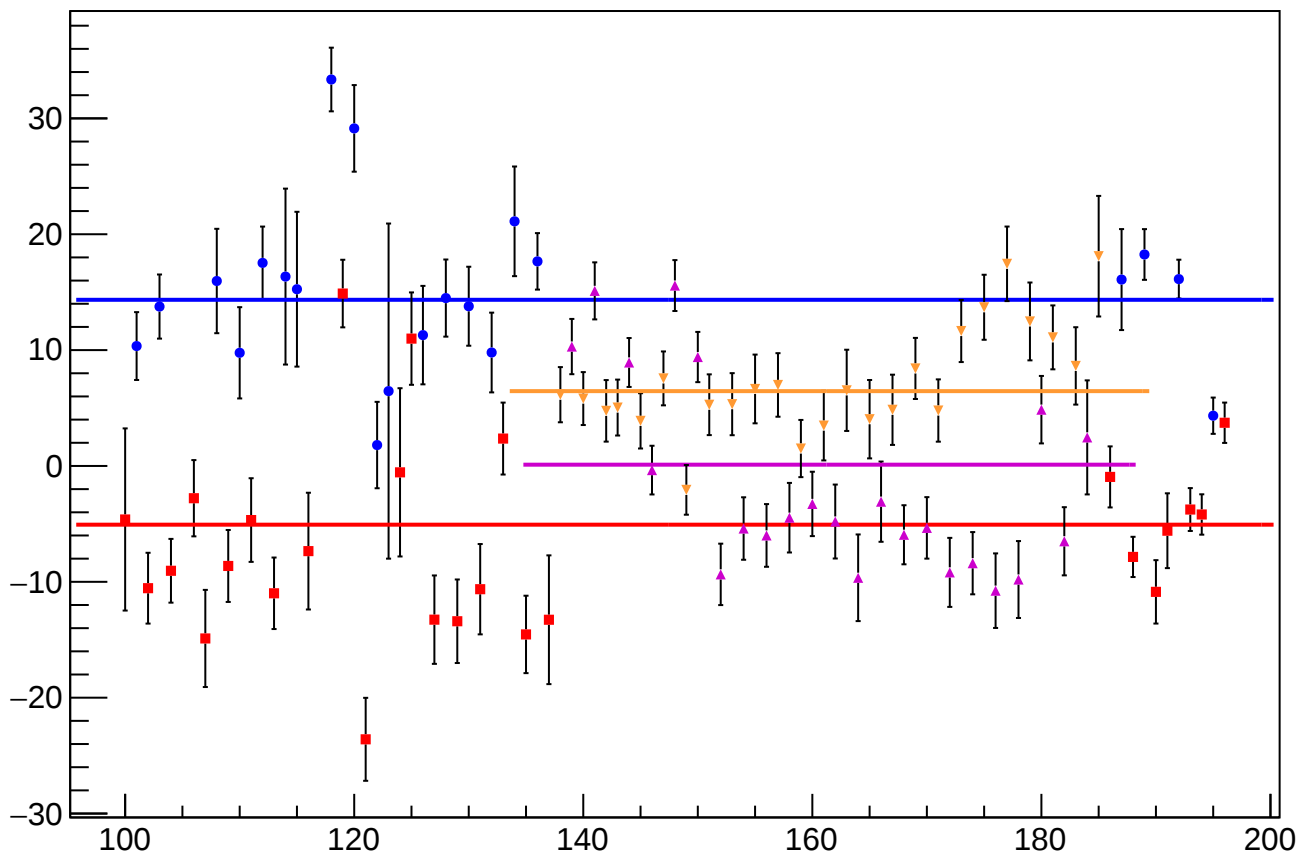
Left In: 2267.097 $\pm$ 0.395 χ^2 /NDF:1313364.4/22

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

All: 2146.760 $\pm$ 0.207 χ^2 /NDF: 4388518.8/94

- sign 2123.688 $\pm$ 0.287 χ^2 /NDF: 2148011.4/48

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: -5.068 ± 0.568 χ^2/NDF : 170.4/25

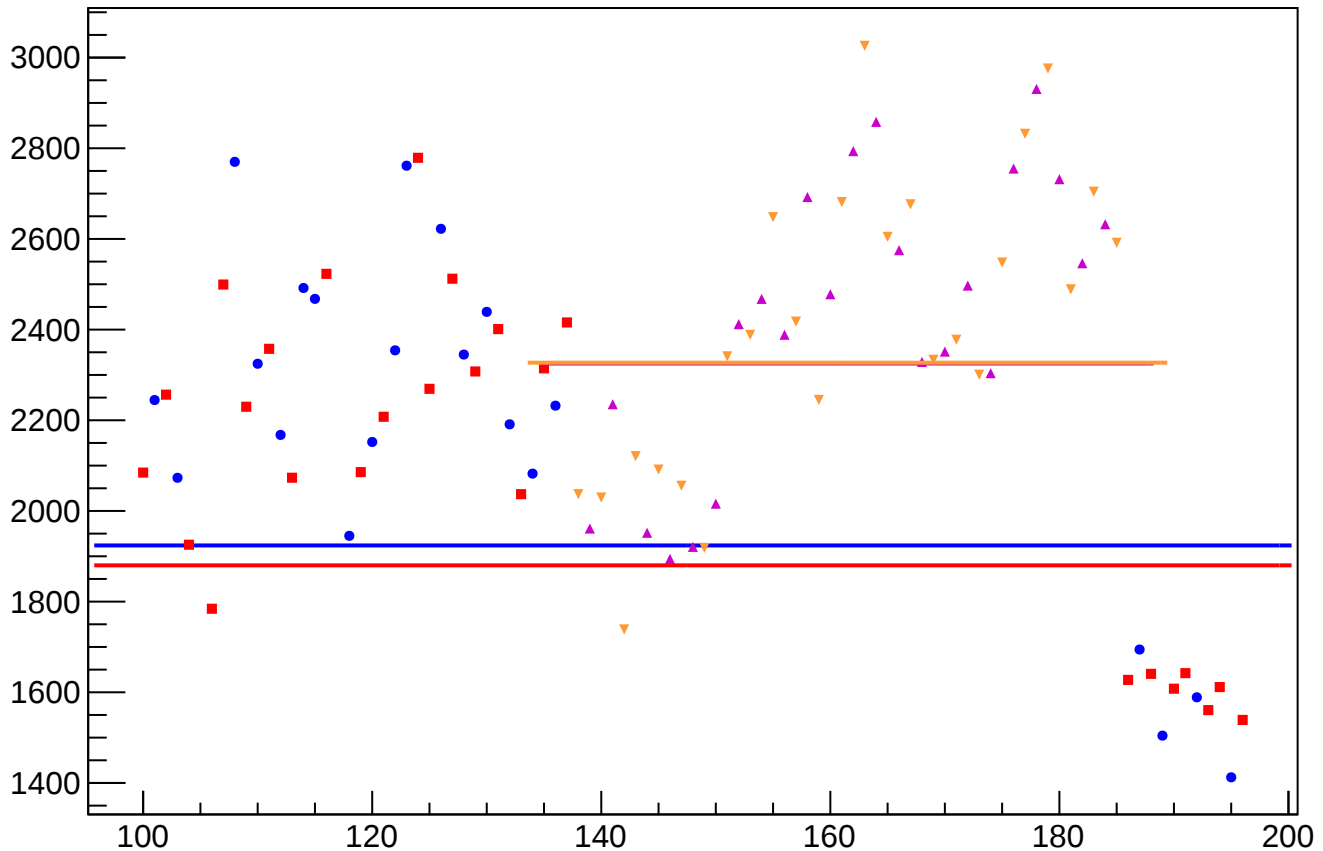
Left In: 0.110 ± 0.565 χ^2/NDF : 234.6/22

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

All: 3.336 ± 0.290 χ^2/NDF : 1162.3/94

- sign -2.466 ± 0.401 χ^2/NDF : 446.8/48

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: 1879.985 $\pm$ 0.402 χ^2 /NDF: 702013.1/25

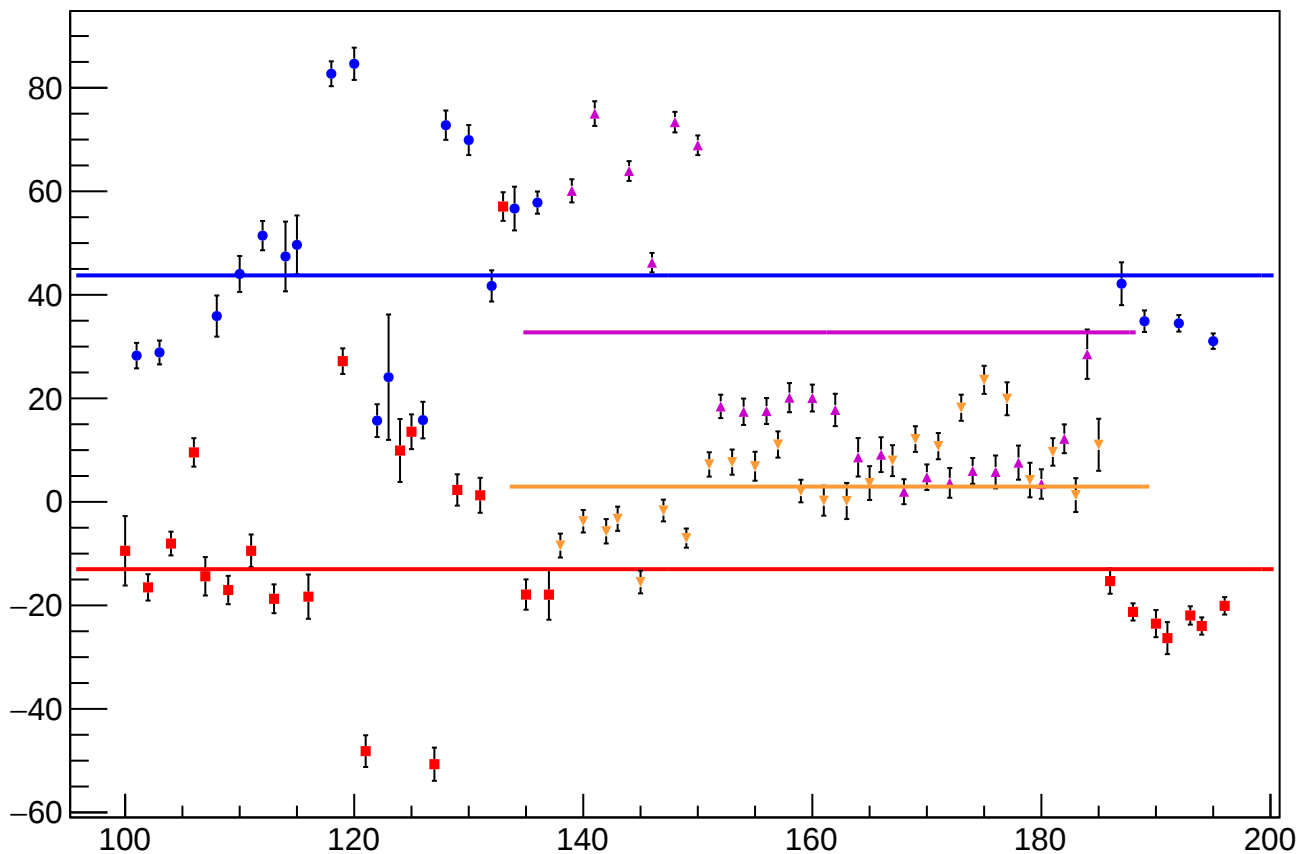
Left In: 2325.175 $\pm$ 0.400 χ^2 /NDF: 610729.2/22

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

All: 2130.931 $\pm$ 0.205 χ^2 /NDF: 3792343.1/94

- sign 2103.656 $\pm$ 0.283 χ^2 /NDF: 1930259.9/48

diff_bpm0i01aX_mean vs Slug



Right In: 43.755+/-0.588 χ^2/NDF : 1035.7/20

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

Right Out: -13.003+/-0.515 χ^2/NDF : 1530.6/25

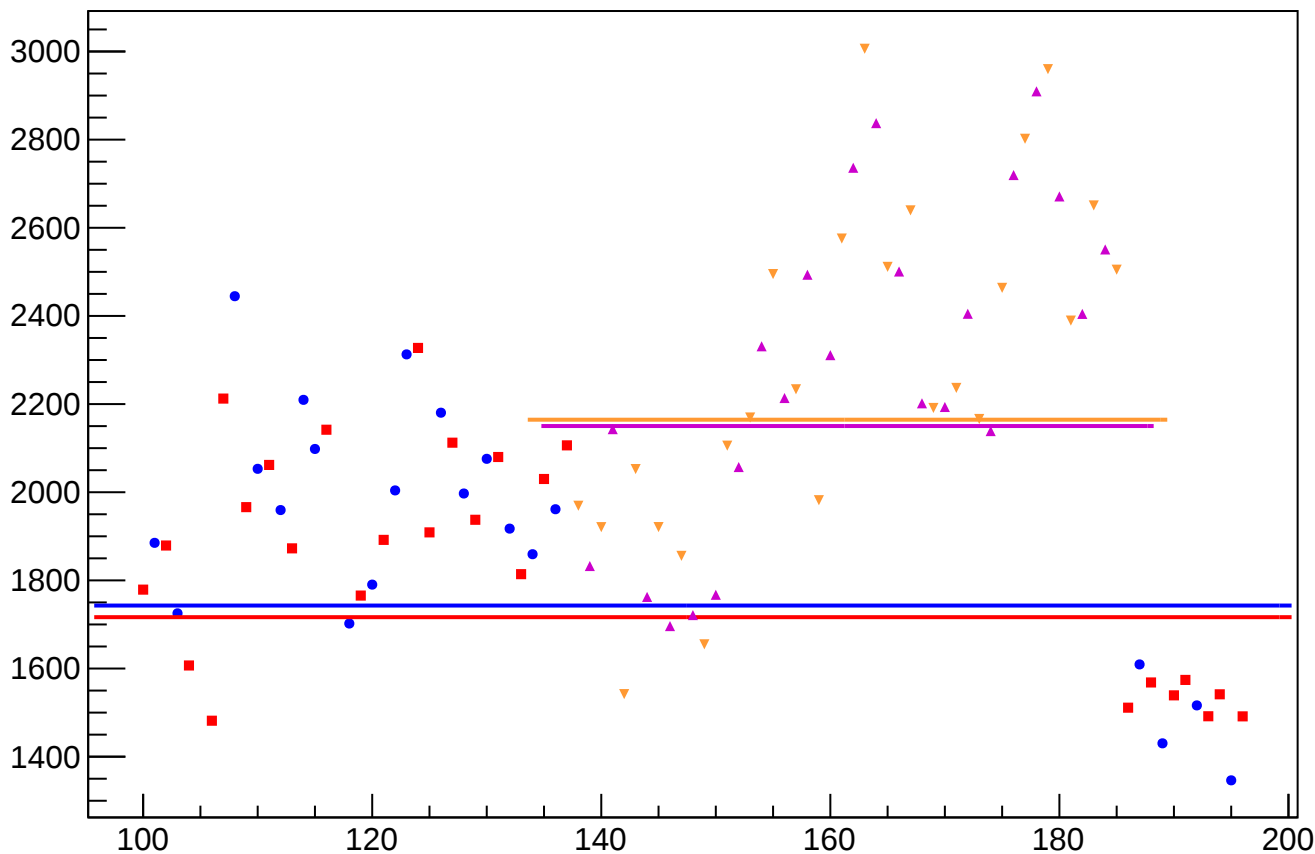
Left In: 32.745+/-0.526 χ^2/NDF :2632.5/22

+ sign 20.558+/-0.386 χ^2/NDF : 4114.7/45

All: 14.708+/-0.266 χ^2/NDF : 12576.7/94

- sign 9.388+/-0.368 χ^2/NDF : 8023.4/48

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: 1716.534 $\pm$ 0.364 χ^2 /NDF: 399867.1/25

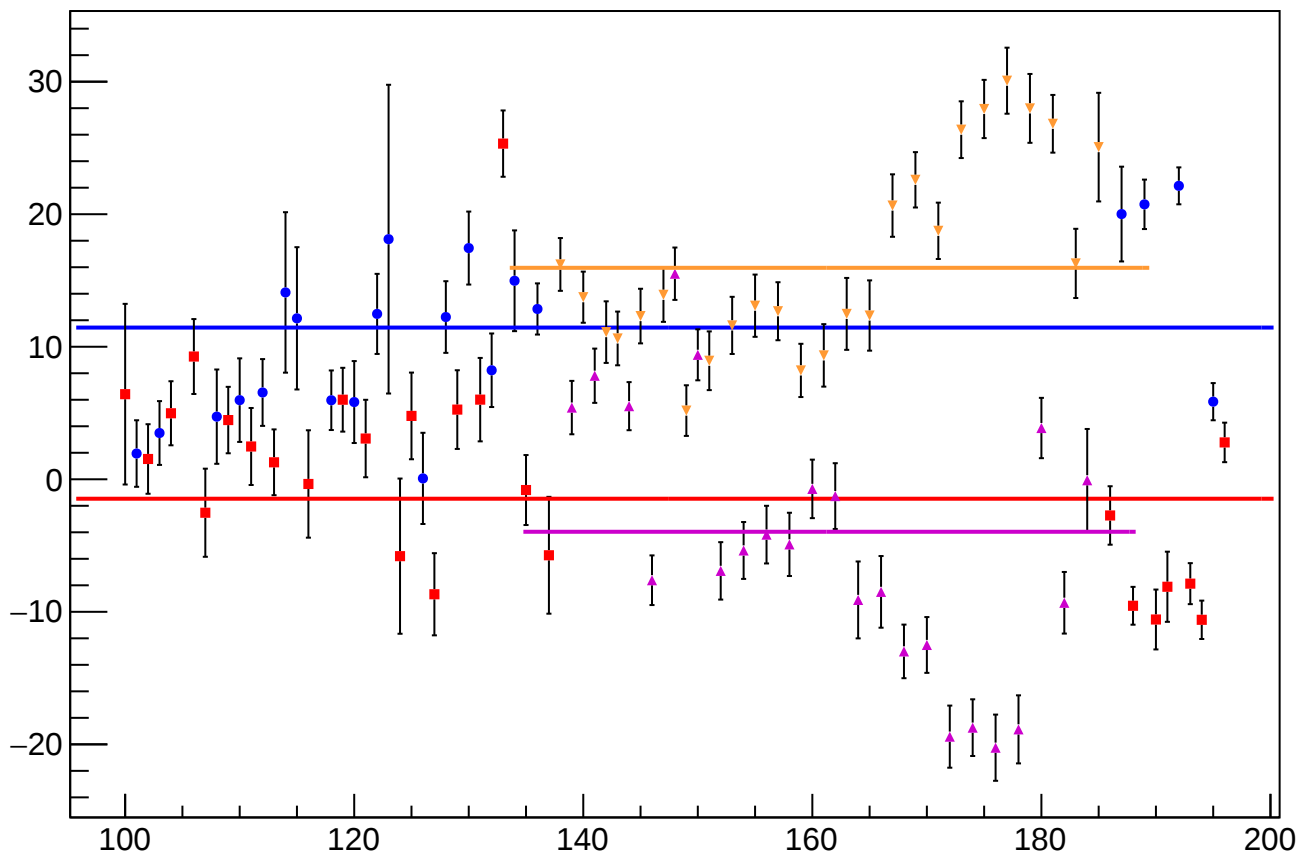
Left In: 2150.190 $\pm$ 0.372 χ^2 /NDF:911849.7/22

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

All: 1954.428 $\pm$ 0.188 χ^2 /NDF: 4040428.9/94

- sign 1928.781 $\pm$ 0.260 χ^2 /NDF: 2005458.1/48

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: -1.467 ± 0.470 $\chi^2/\text{NDF}: 301.2/25$

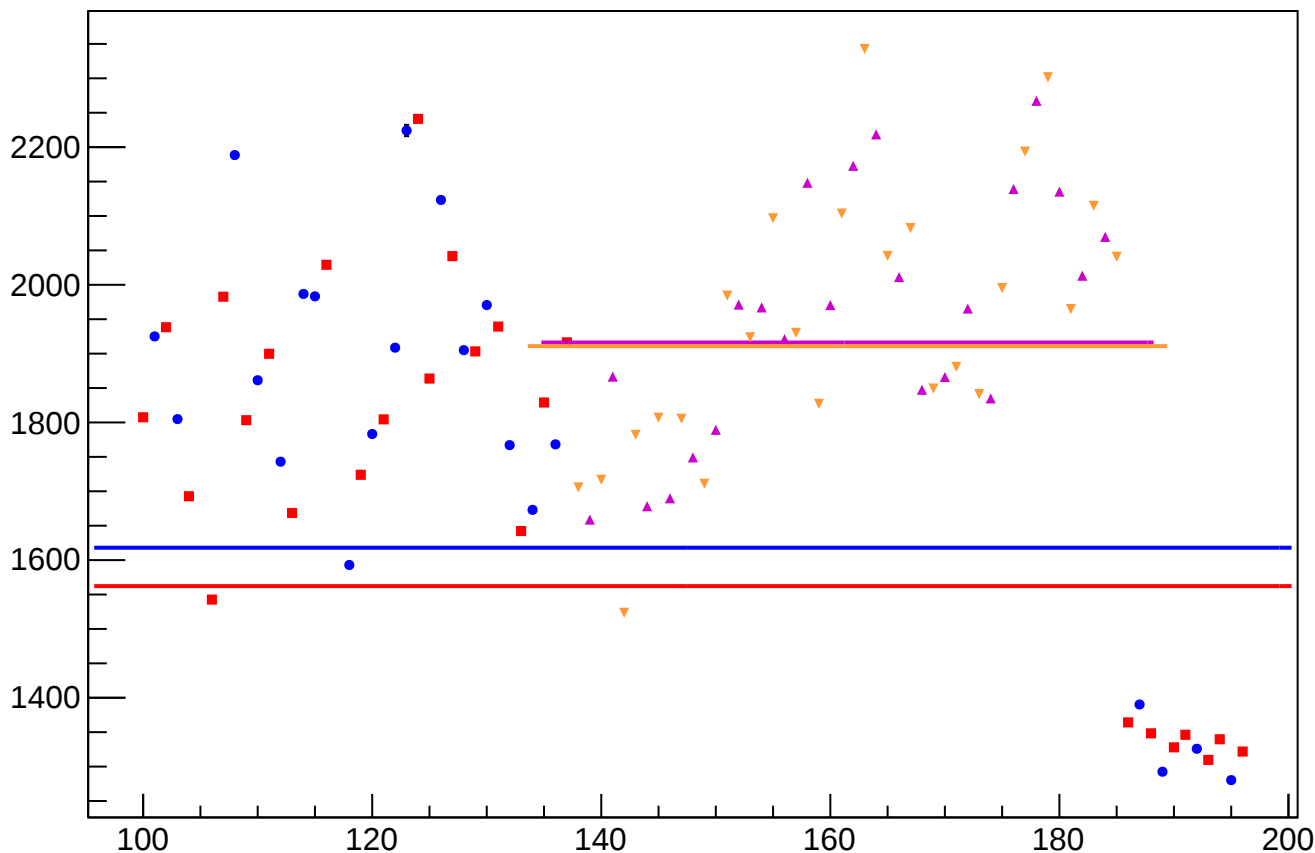
Left In: -3.960 ± 0.463 $\chi^2/\text{NDF}: 464.9/22$

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

All: 5.304 ± 0.239 $\chi^2/\text{NDF}: 2482.2/94$

- sign -2.734 ± 0.330 $\chi^2/\text{NDF}: 780.4/48$

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: 1562.189 $\pm$ 0.333 χ^2 /NDF: 610715.1/25

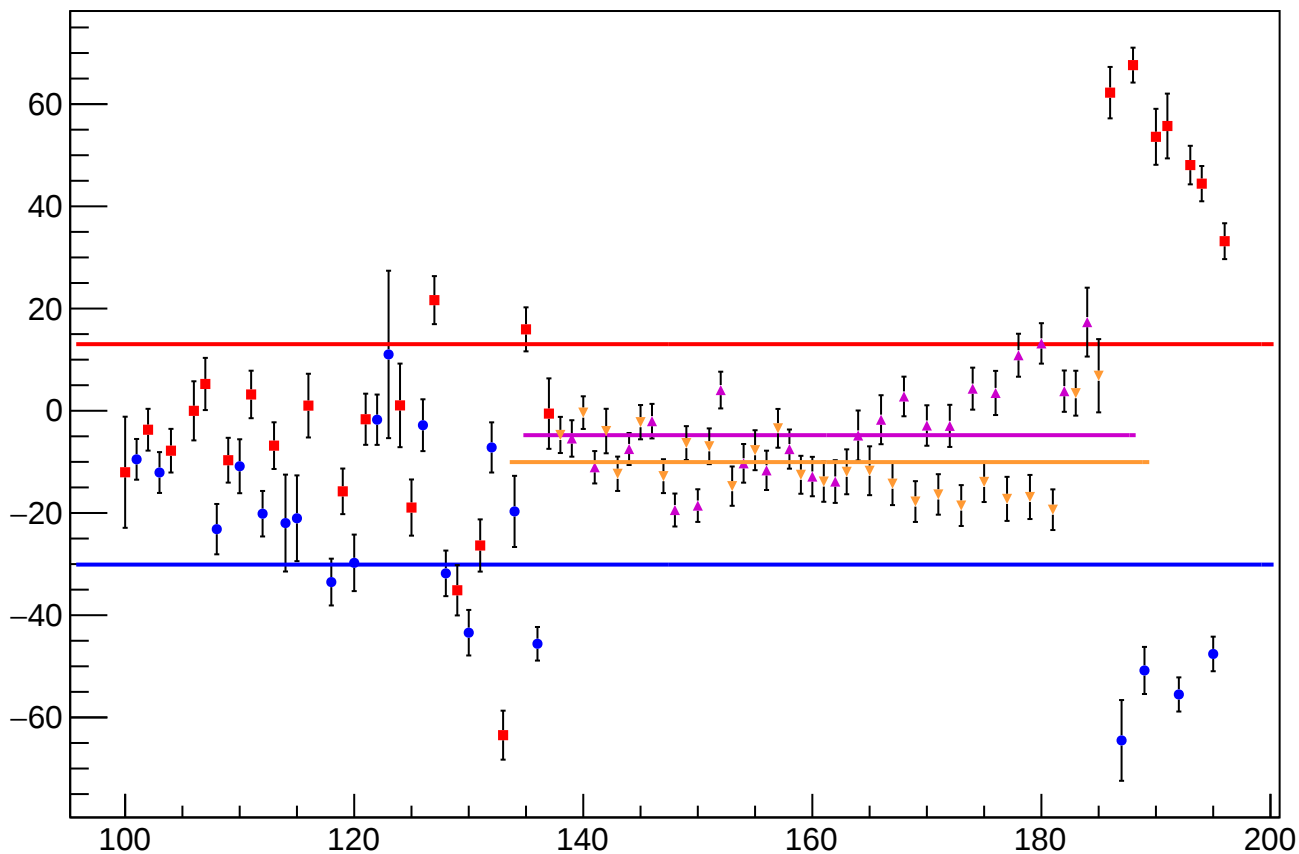
Left In: 1916.159 $\pm$ 0.327 χ^2 /NDF: 274285.3/22

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

All: 1766.359 $\pm$ 0.169 χ^2 /NDF: 2703148.3/94

- sign 1742.027 $\pm$ 0.233 χ^2 /NDF: 1460489.3/48

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: 13.032 ± 0.927 χ^2/NDF : 1265.3/25

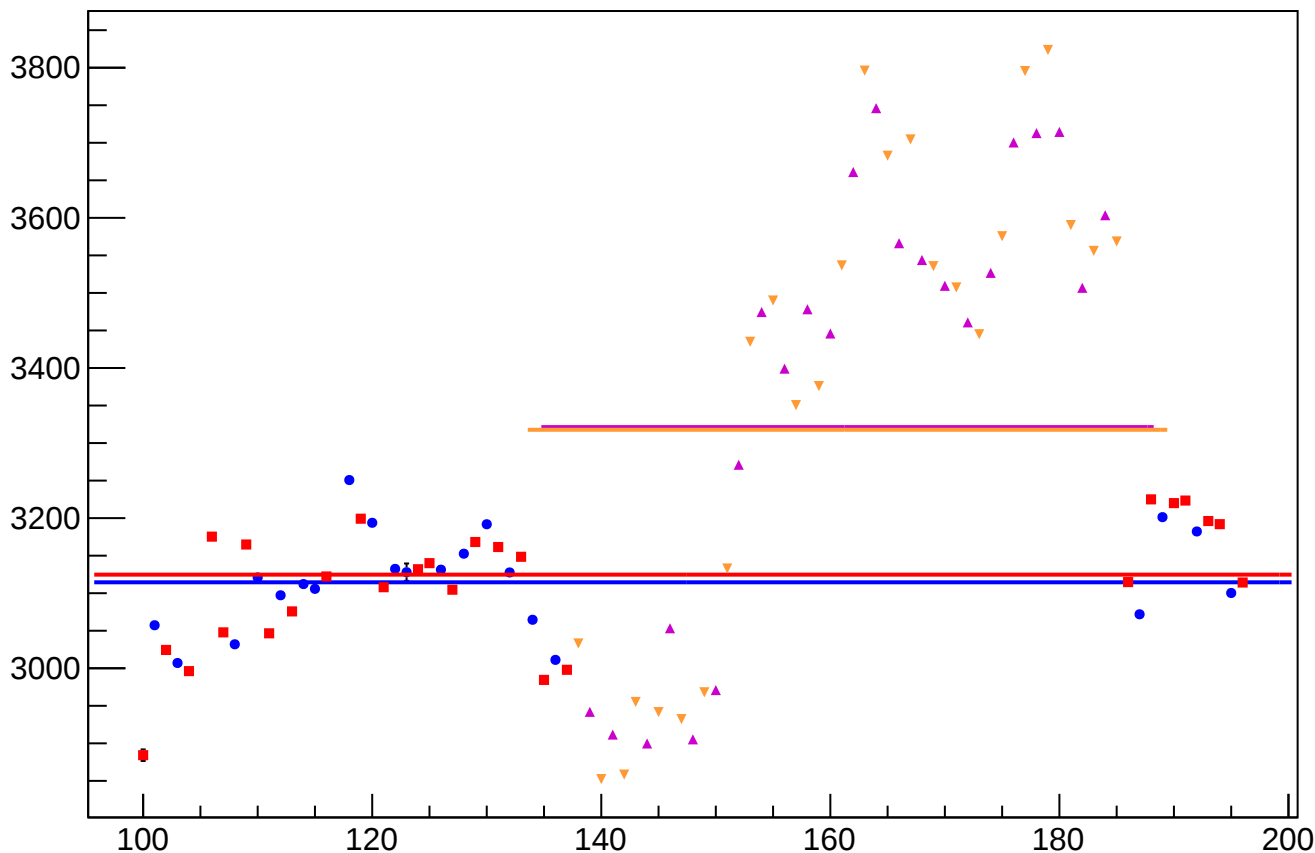
Left In: -4.774 ± 0.800 χ^2/NDF : 128.5/22

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

All: -6.985 ± 0.433 χ^2/NDF : 2769.0/94

- sign 2.834 ± 0.606 χ^2/NDF : 1605.2/48

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: 3124.721+/-0.655 χ^2/NDF : 13625.8/25

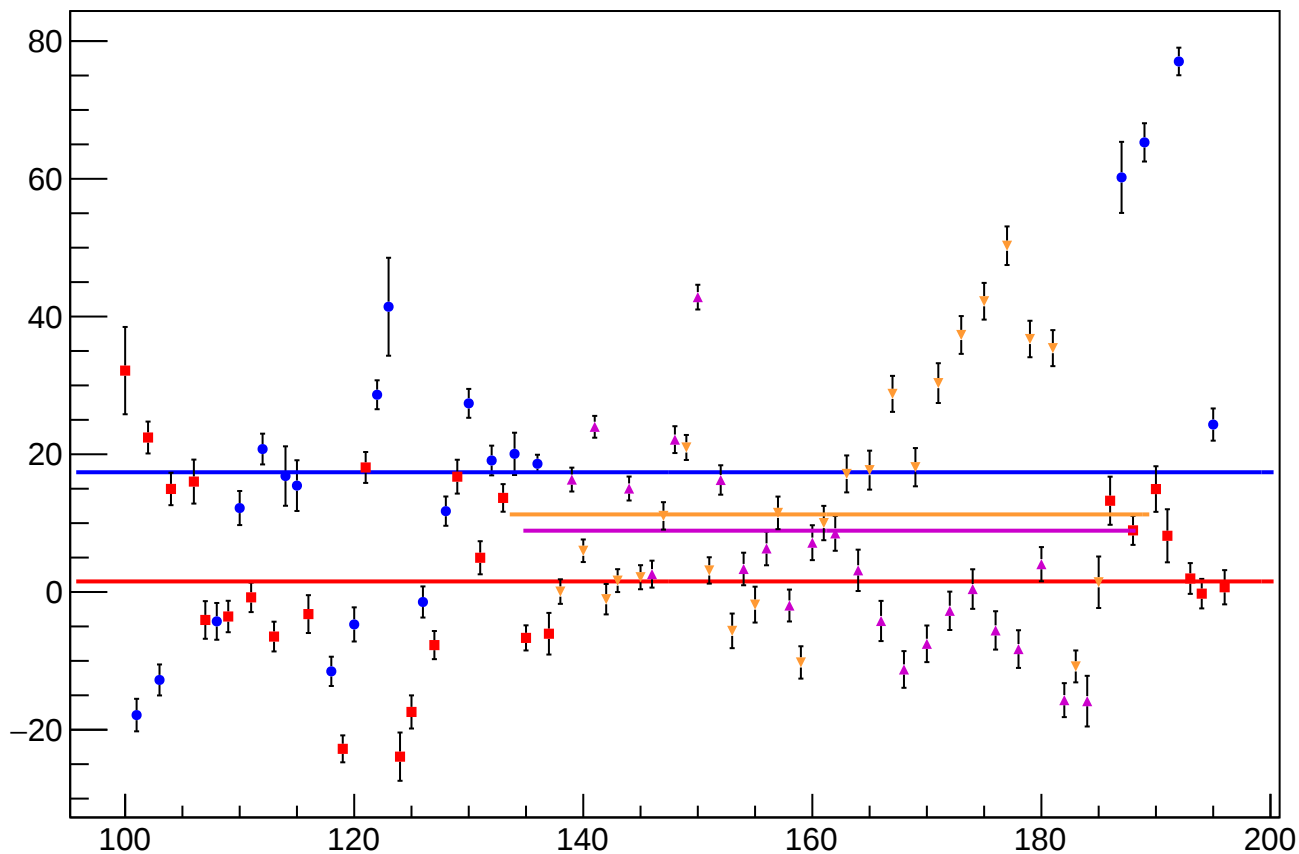
Left In: 3321.275+/-0.566 χ^2/NDF : 284334.2/22

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

All: 3240.718+/-0.307 χ^2/NDF : 745126.6/94

- sign 3237.295+/-0.428 χ^2/NDF : 349482.3/48

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: 1.535 ± 0.478 χ^2/NDF : 676.4/25

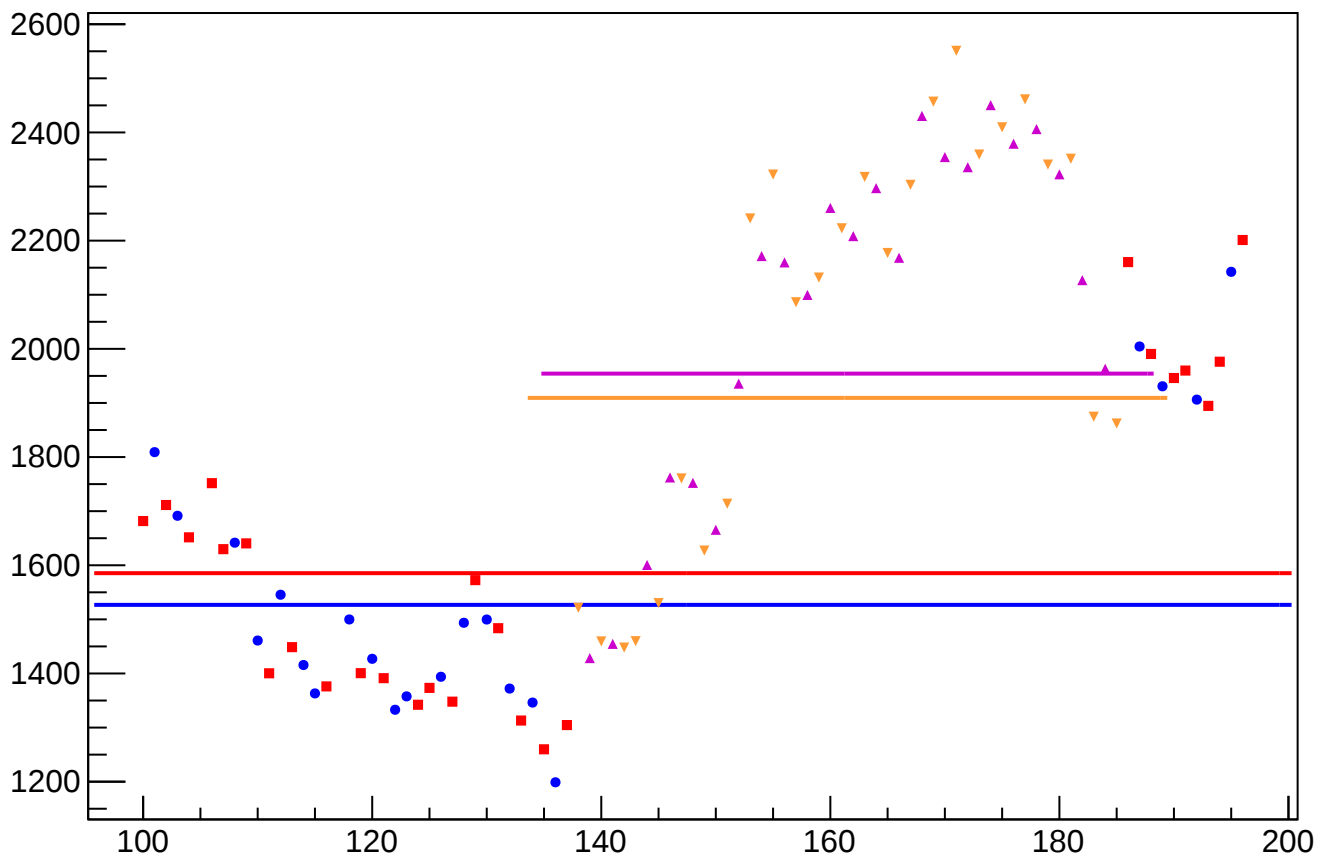
Left In: 8.905 ± 0.478 χ^2/NDF : 936.3/22

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

All: 9.554 ± 0.240 χ^2/NDF : 5427.0/94

- sign 5.223 ± 0.338 χ^2/NDF : 1731.6/48

diff_bpm0l01Y_rms vs Slug



Right In: 1526.813 $\pm$ 0.364 χ^2 /NDF: 490736.6/20

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

Right Out: 1585.394 $\pm$ 0.338 χ^2 /NDF: 654458.2/25

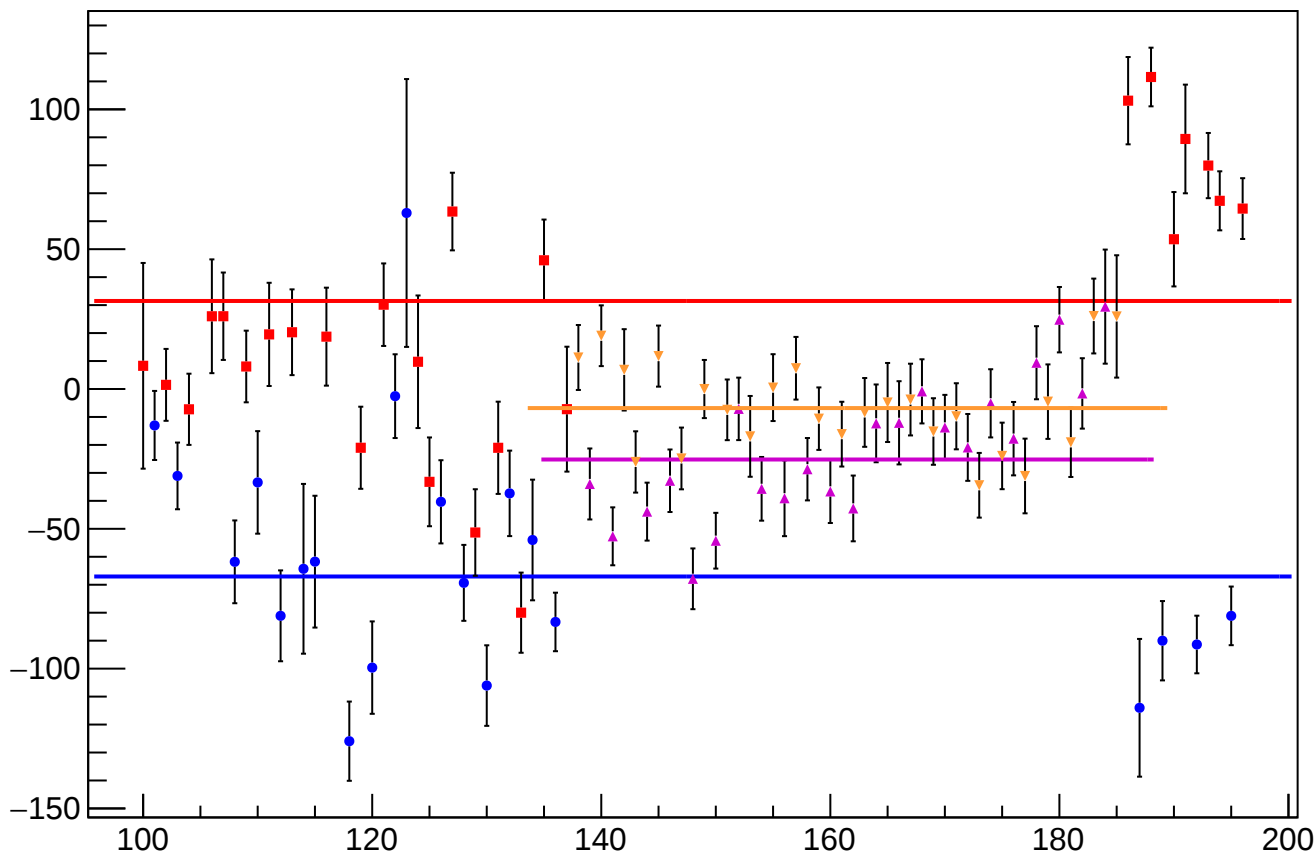
Left In: 1954.236 $\pm$ 0.338 χ^2 /NDF:1044826.7/22

+ sign 1741.634 $\pm$ 0.241 χ^2 /NDF: 2510977.2/45

All: 1755.918 $\pm$ 0.170 χ^2 /NDF: 4813336.7/94

- sign 1769.979 $\pm$ 0.239 χ^2 /NDF: 2295374.6/48

diff_bpm0l02X_mean vs Slug



Right In: -67.051 ± 3.214 χ^2/NDF : 110.4/20

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

Right Out: 31.477 ± 2.890 χ^2/NDF : 286.9/25

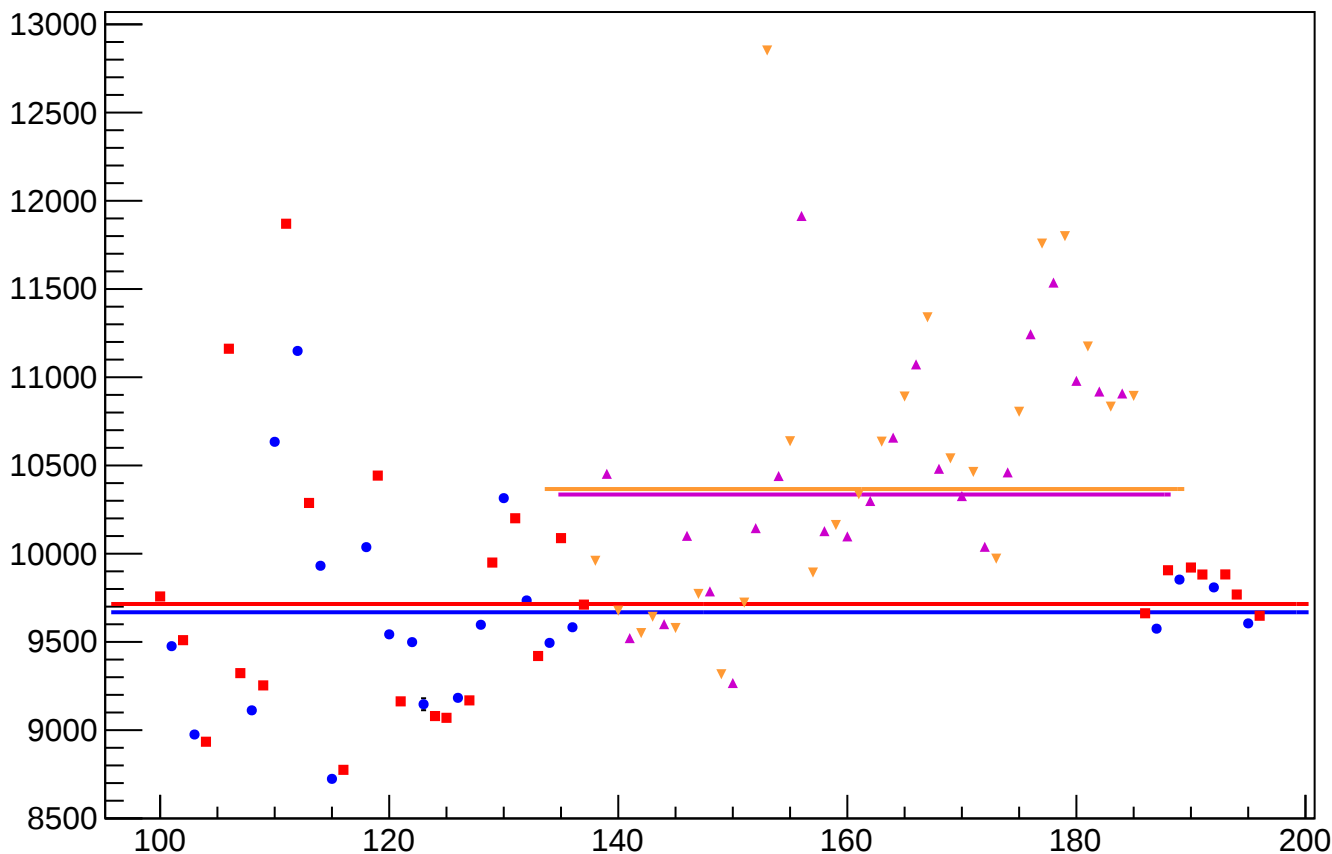
Left In: -25.215 ± 2.487 χ^2/NDF : 89.3/22

+ sign -28.644 ± 1.935 χ^2/NDF : 376.6/45

All: -14.511 ± 1.350 χ^2/NDF : 1078.0/94

- sign -1.095 ± 1.885 χ^2/NDF : 597.3/48

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: 9714.972 $\pm$ 2.043 χ^2 /NDF: 79390.9/25

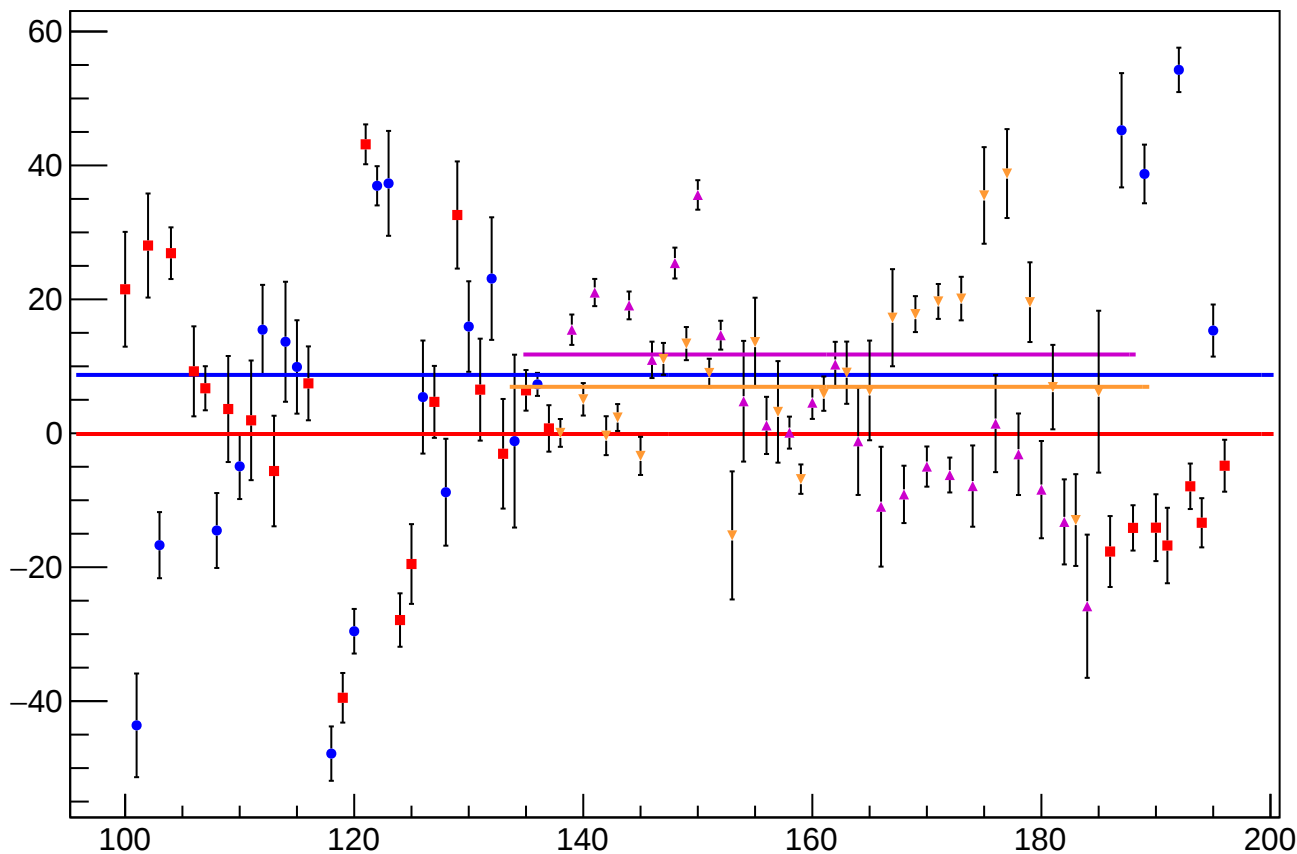
Left In: 10335.399 $\pm$ 1.758 χ^2 /NDF: 127173.0/22

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

All: 10091.918 $\pm$ 0.955 χ^2 /NDF: 576528.0/94

- sign 10071.429 $\pm$ 1.333 χ^2 /NDF: 259538.1/48

diff_bpm0l02Y_mean vs Slug



Right In: 8.717 ± 0.953 χ^2/NDF : 797.9/20

Left Out: 6.939 ± 0.639 χ^2/NDF : 203.8/24

Right Out: -0.107 ± 0.891 χ^2/NDF : 548.3/25

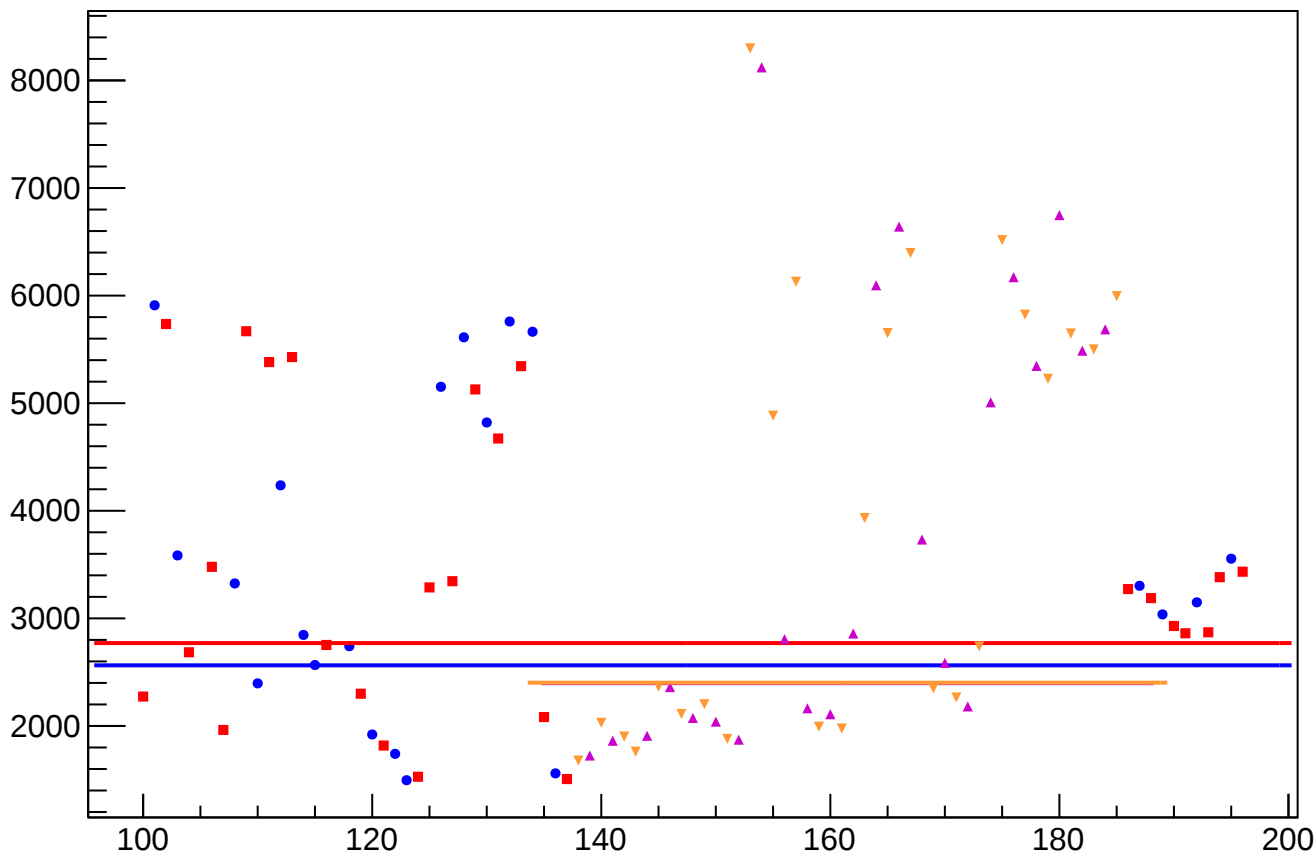
Left In: 11.766 ± 0.648 χ^2/NDF : 395.1/22

+ sign 7.490 ± 0.531 χ^2/NDF : 1004.1/45

All: 7.573 ± 0.373 χ^2/NDF : 2063.7/94

- sign 7.653 ± 0.524 χ^2/NDF : 1059.5/48

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: 2770.385 $\pm$ 0.630 χ^2 /NDF: 2588312.9/25

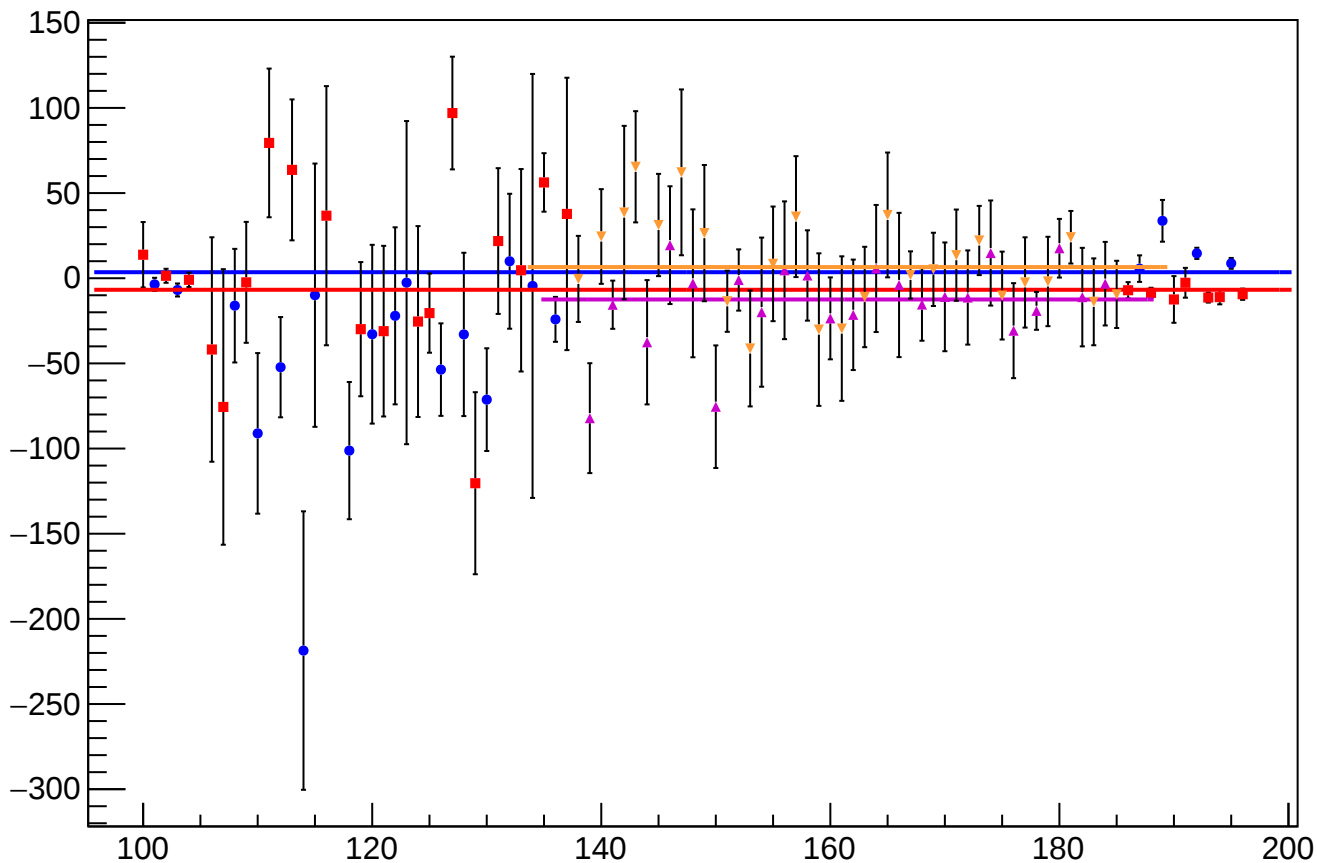
Left In: 2397.701 $\pm$ 0.458 χ^2 /NDF: 5398920.1/22

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

All: 2490.000 $\pm$ 0.264 χ^2 /NDF: 17494661.2/9

- sign 2526.785 $\pm$ 0.371 χ^2 /NDF: 8216119.6/48

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: -6.776 ± 1.332 χ^2/NDF : 49.6/25

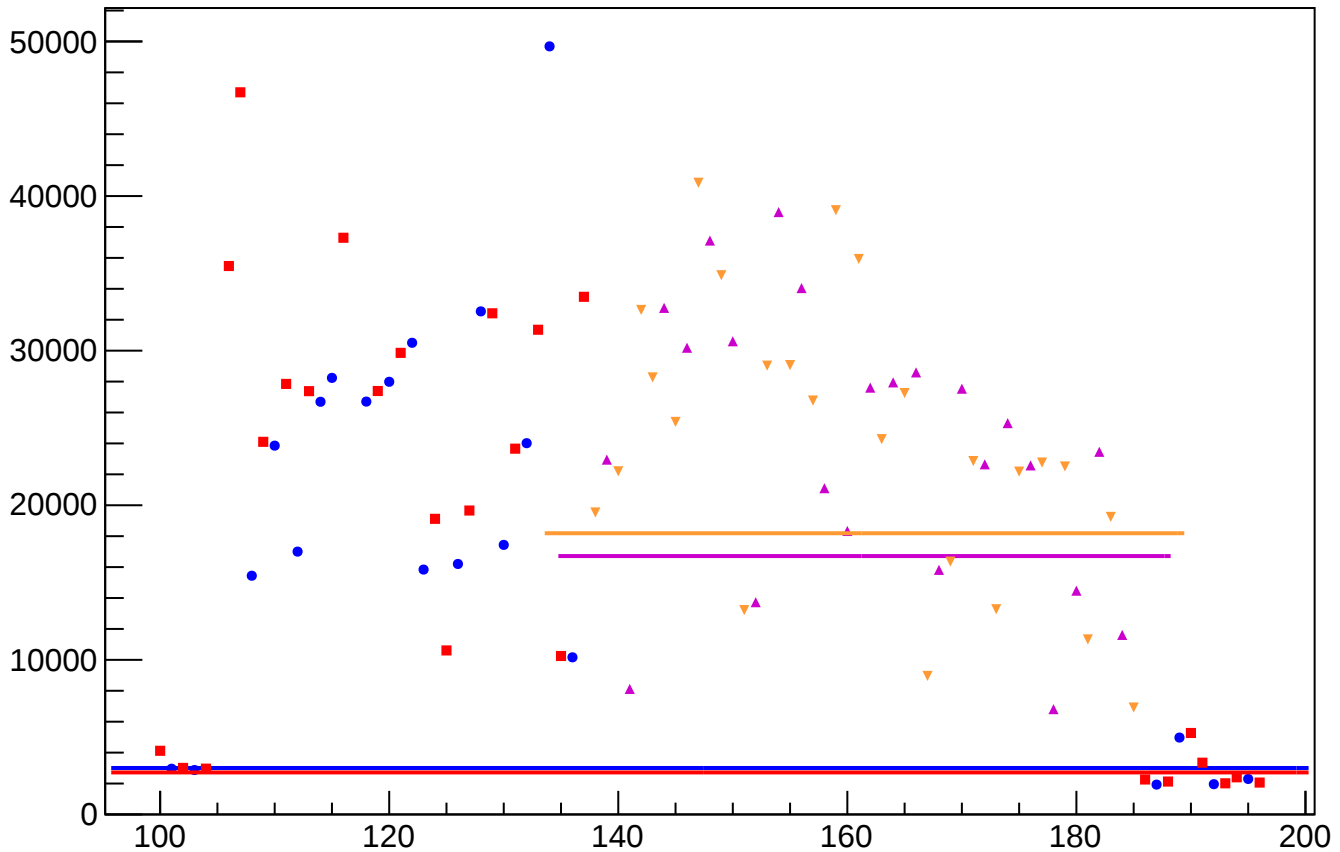
Left In: -12.469 ± 5.025 χ^2/NDF : 15.4/22

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

All: -2.755 ± 0.997 χ^2/NDF : 181.9/94

- sign -7.150 ± 1.287 χ^2/NDF : 66.2/48

diff_bpm0l03X_rms vs Slug



Right In: 3005.758+/-1.172 χ^2/NDF : 6761939.5/20

Left Out: 18190.387+/-3.590 χ^2/NDF : 5261328.5/24

Right Out: 2718.838+/-0.942 χ^2/NDF : 8542056.5/25

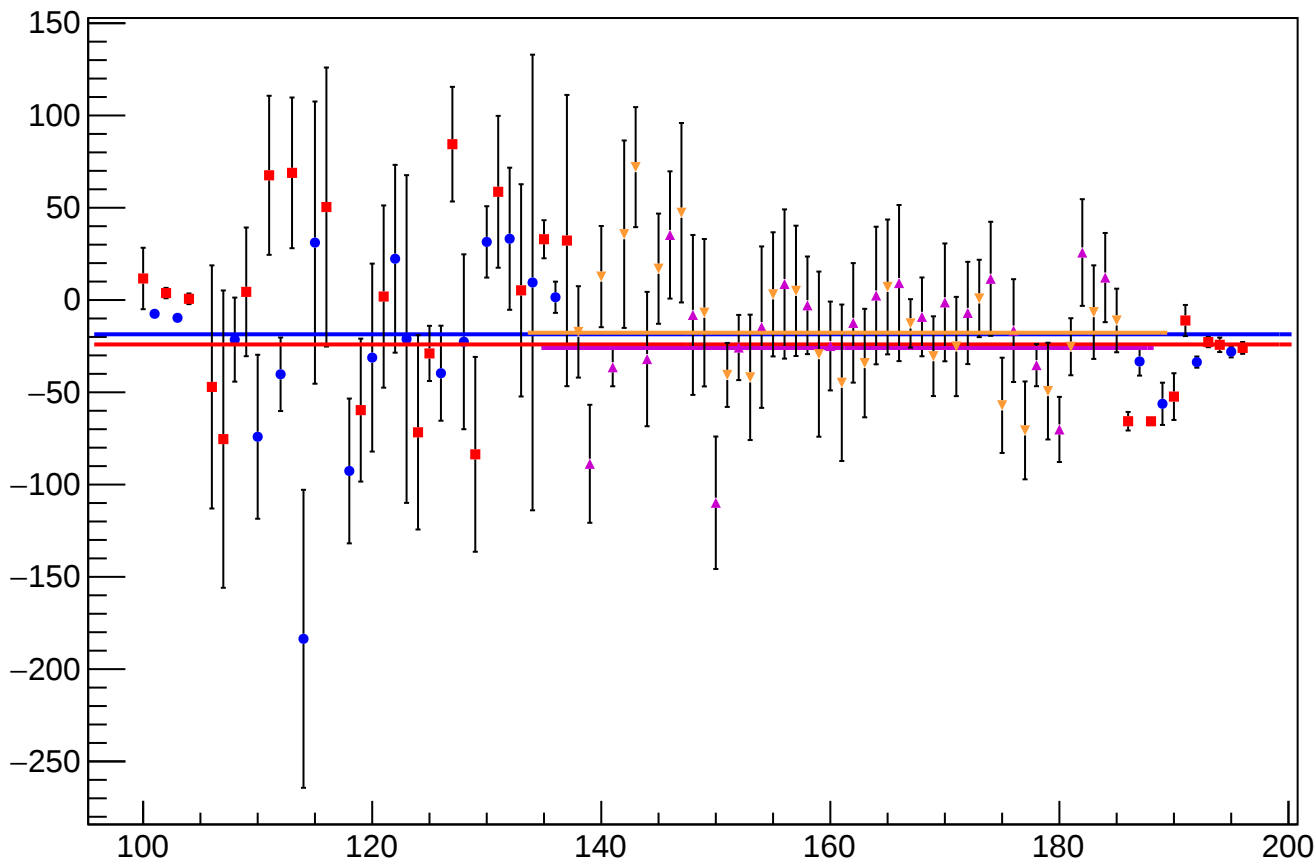
Left In: 16713.653+/-3.553 χ^2/NDF : 6194178.8/22

+ sign 4468.704+/-1.114 χ^2/NDF : 28187449.3/45

All: 3970.149+/-0.705 χ^2/NDF : 57750432.6/9

- sign 3637.430+/-0.910 χ^2/NDF : 29229268.3/48

diff_bpm0l03Y_mean vs Slug



Right In: -18.572 ± 1.342 $\chi^2/\text{NDF}: 104.5/20$

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

Right Out: -24.061 ± 1.146 $\chi^2/\text{NDF}: 553.4/25$

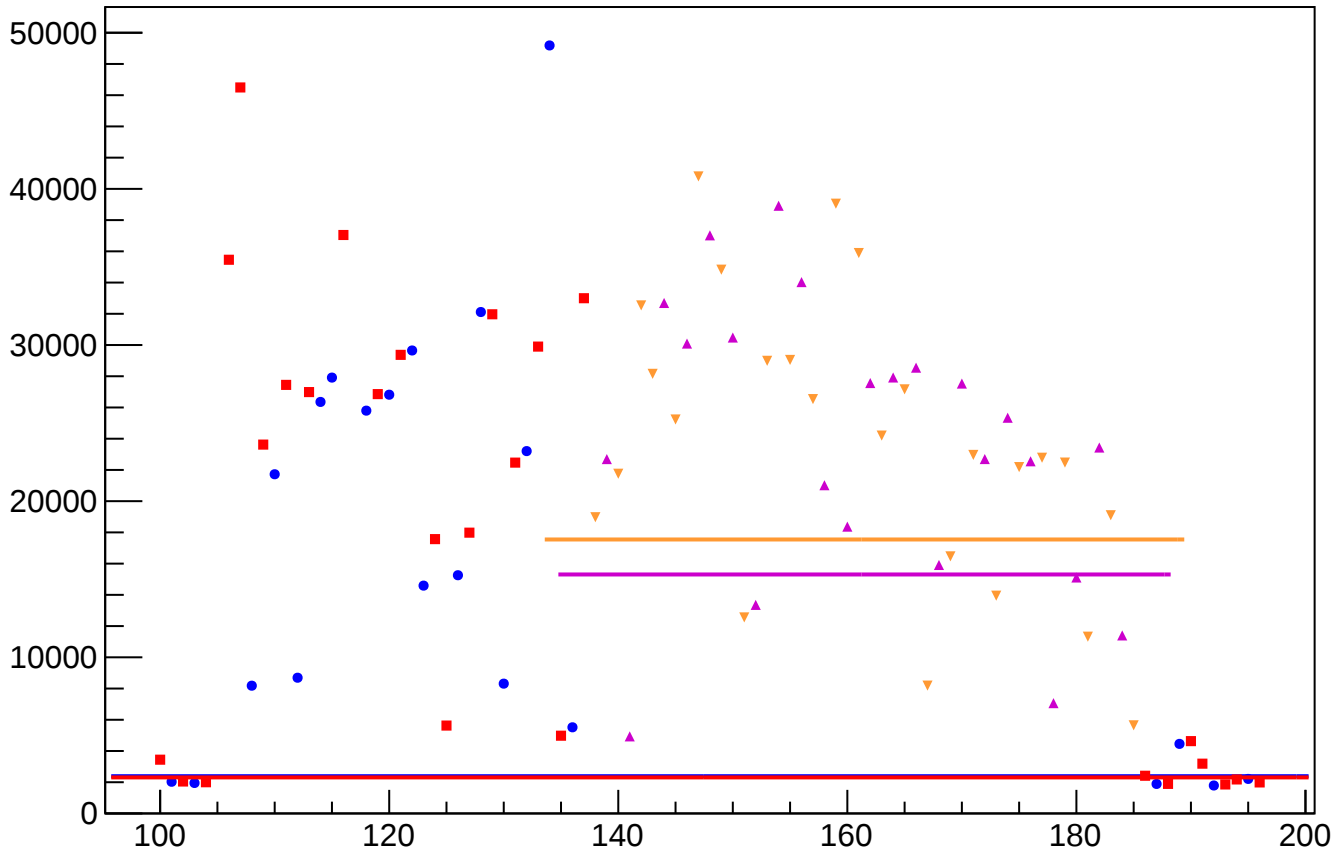
Left In: -25.991 ± 4.789 $\chi^2/\text{NDF}: 32.6/22$

+ sign -18.514 ± 1.296 $\chi^2/\text{NDF}: 131.7/45$

All: -21.763 ± 0.845 $\chi^2/\text{NDF}: 728.7/94$

- sign -24.166 ± 1.114 $\chi^2/\text{NDF}: 586.1/48$

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: 2308.518+/-0.810 χ^2/NDF : 8141714.6/25

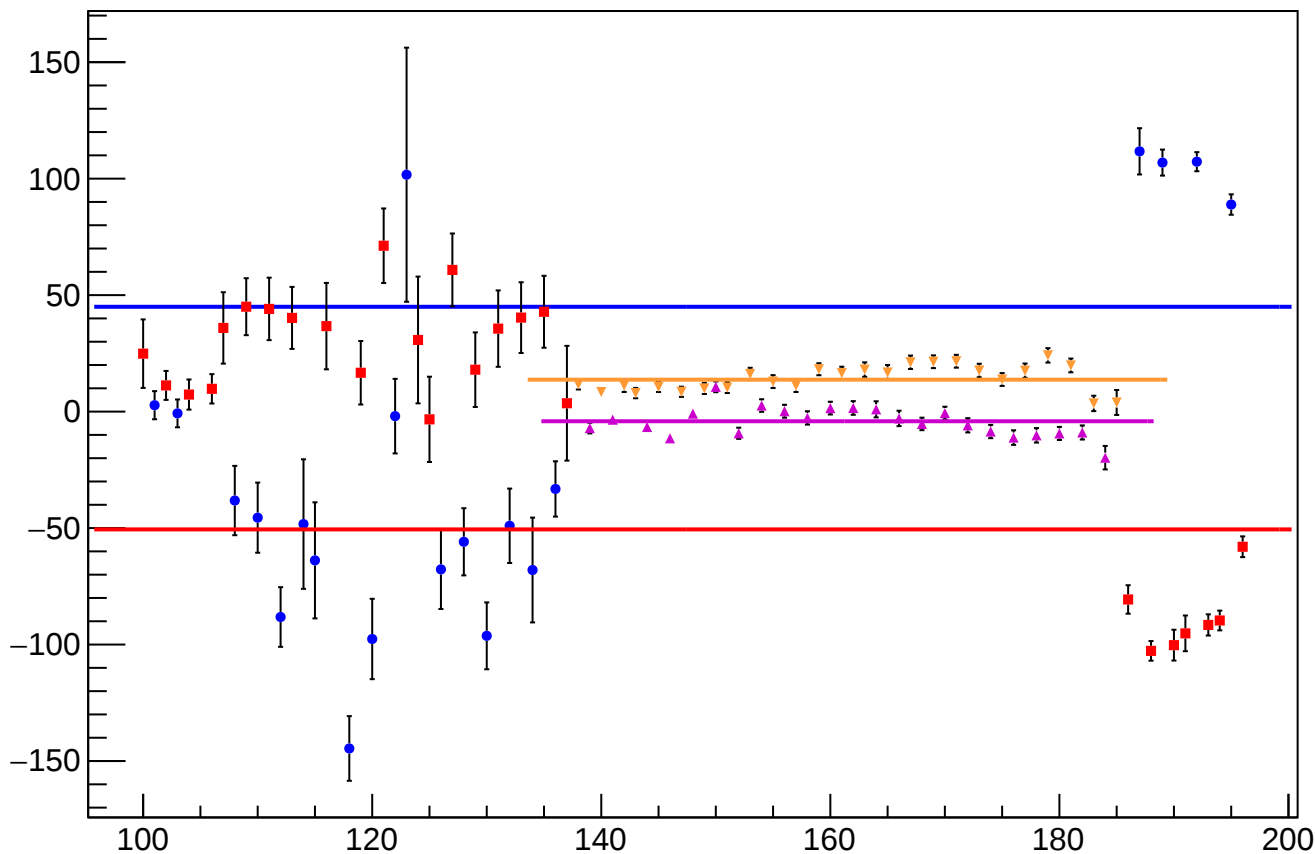
Left In: 15305.311+/-3.386 χ^2/NDF : 7721177.0/22

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

All: 3183.232+/-0.597 χ^2/NDF : 58891031.3/5

- sign 3011.960+/-0.788 χ^2/NDF : 29796653.8/48

diff_bpm0l04X_mean vs Slug



Right In: 44.995 $\pm$ 1.939 χ^2 /NDF: 1370.5/20

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

Right Out: -50.569 $\pm$ 1.548 χ^2 /NDF: 1216.3/25

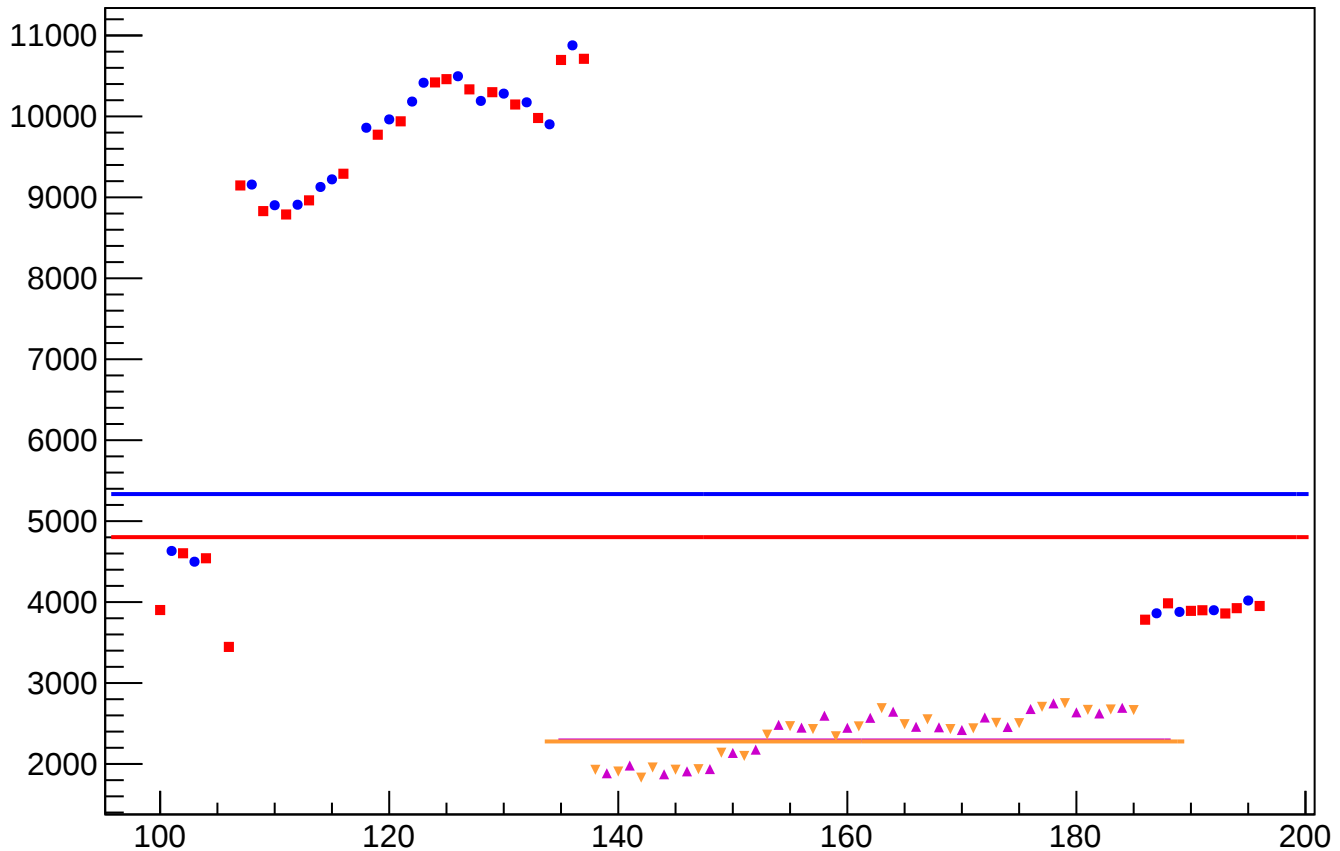
Left In: -4.141 $\pm$ 0.555 χ^2 /NDF:111.7/22

+ sign 15.926 $\pm$ 0.516 χ^2 /NDF: 1702.4/45

All: 3.405 $\pm$ 0.367 χ^2 /NDF: 5019.6/94

- sign -9.424 $\pm$ 0.522 χ^2 /NDF: 2125.0/48

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: 4802.327+/-1.095 χ^2 /NDF: 3500004.6/25

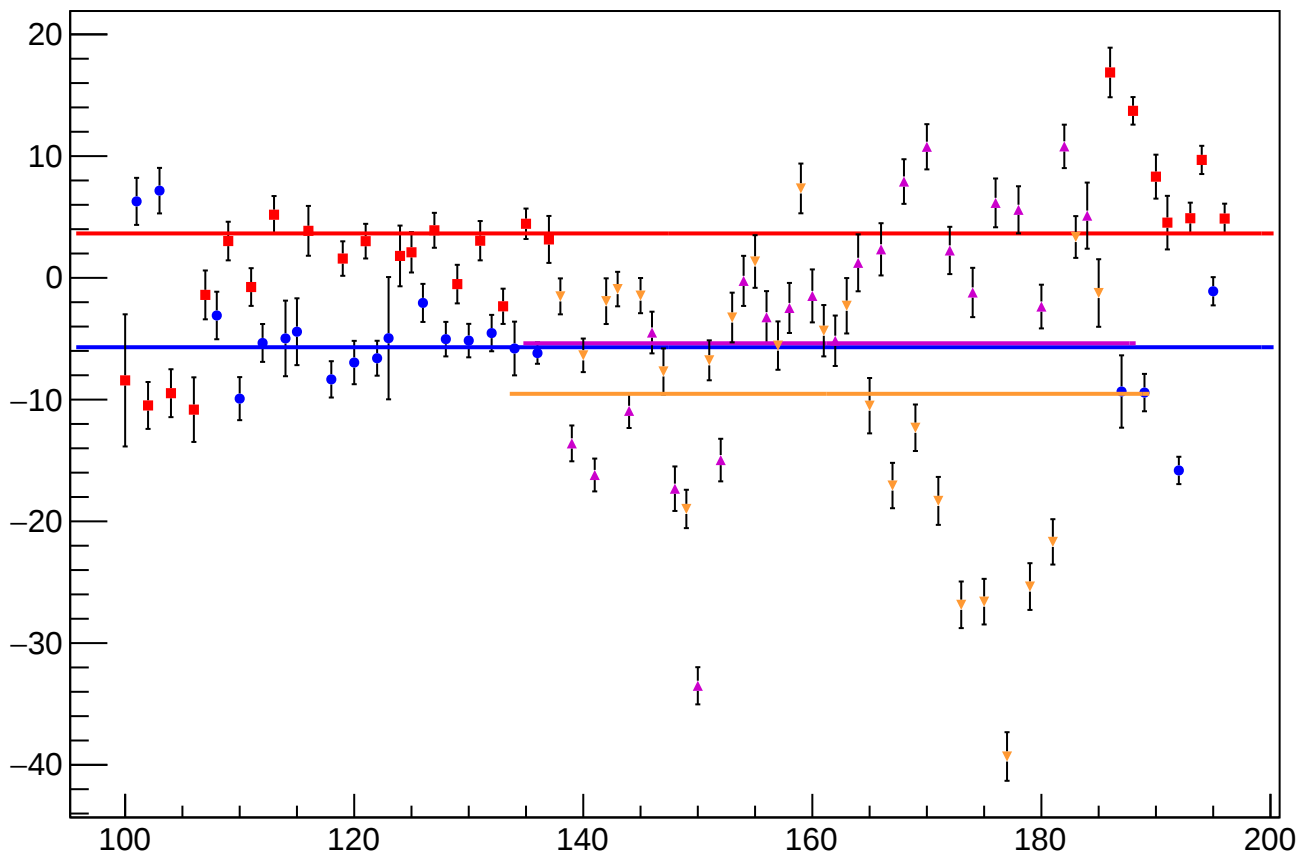
Left In: 2290.461+/-0.392 χ^2 /NDF: 590272.1/22

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

All: 2534.958+/-0.260 χ^2 /NDF: 17072583.0/95

- sign 2576.319+/-0.369 χ^2 /NDF: 8755816.3/48

diff_bpm0l04Y_mean vs Slug



Right In: -5.697 ± 0.342 $\chi^2/\text{NDF}: 208.6/20$

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

Right Out: 3.648 ± 0.314 $\chi^2/\text{NDF}: 334.0/25$

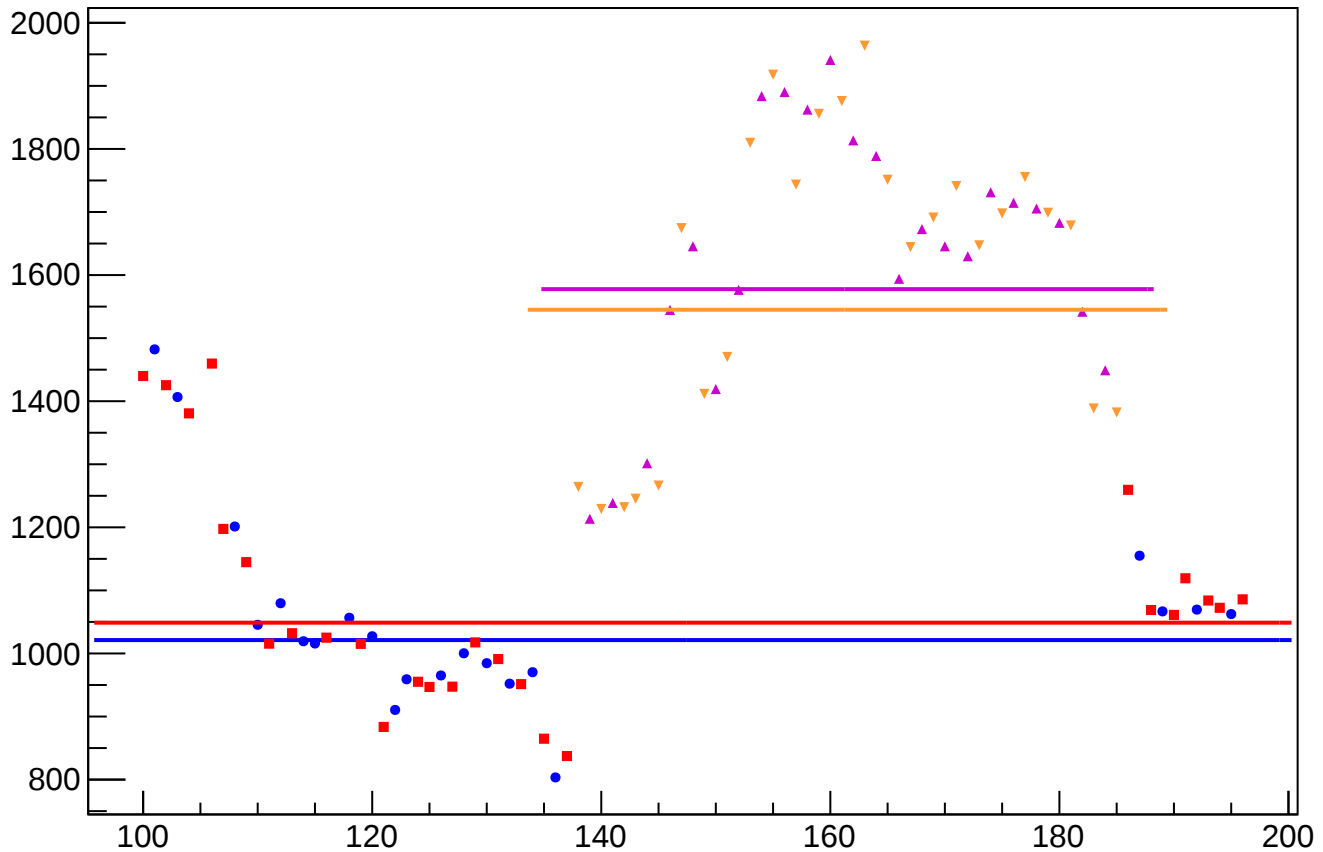
Left In: -5.372 ± 0.383 $\chi^2/\text{NDF}: 869.8/22$

+ sign -7.489 ± 0.250 $\chi^2/\text{NDF}: 1151.2/45$

All: -3.627 ± 0.174 $\chi^2/\text{NDF}: 3153.0/94$

- sign 0.025 ± 0.243 $\chi^2/\text{NDF}: 1535.9/48$

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: 1048.828 $\pm$ 0.222 χ^2 /NDF: 367959.1/25

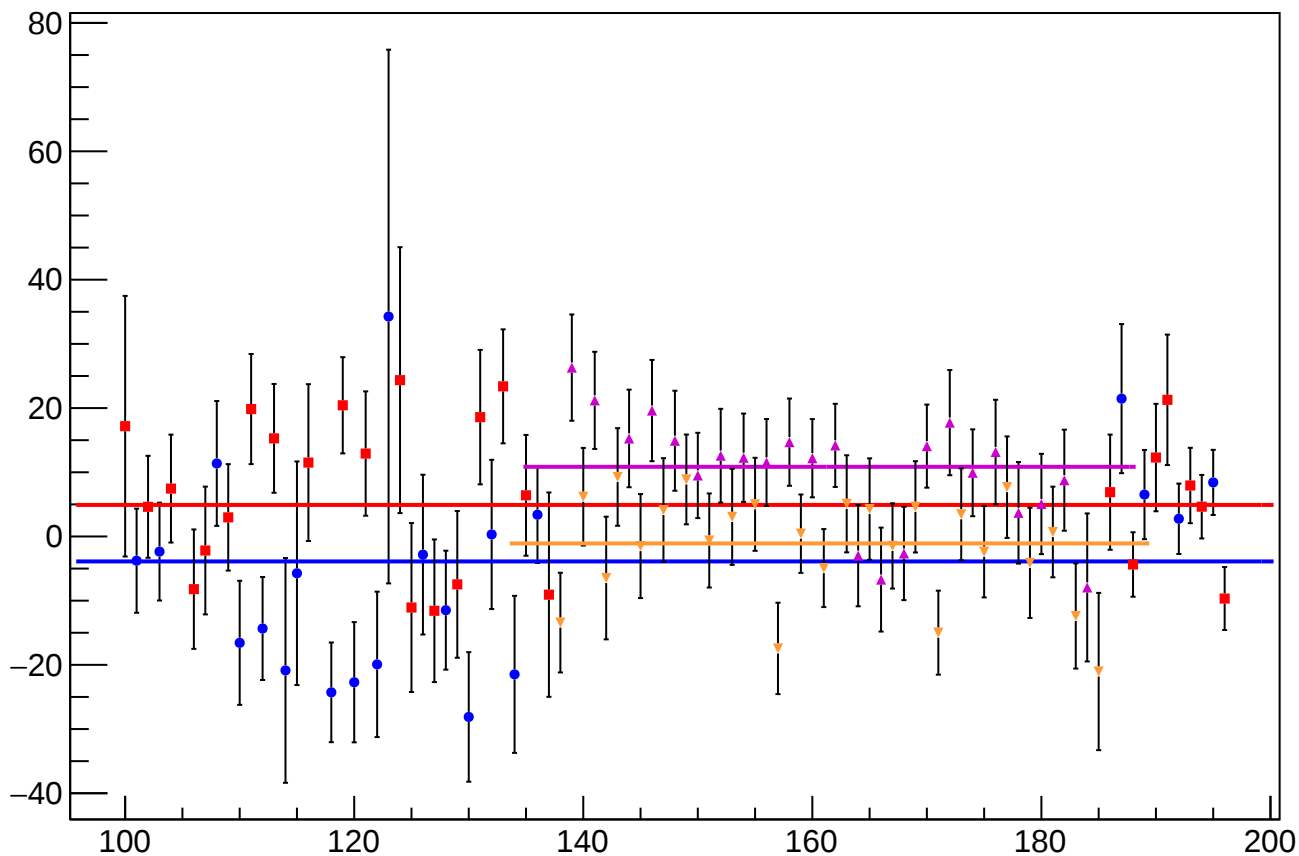
Left In: 1577.685 $\pm$ 0.271 χ^2 /NDF: 625406.2/22

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

All: 1263.803 $\pm$ 0.123 χ^2 /NDF: 6689826.5/94

- sign 1261.280 $\pm$ 0.172 χ^2 /NDF: 3276002.5/48

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: 4.913 ± 1.623 $\chi^2/\text{NDF}: 41.3/25$

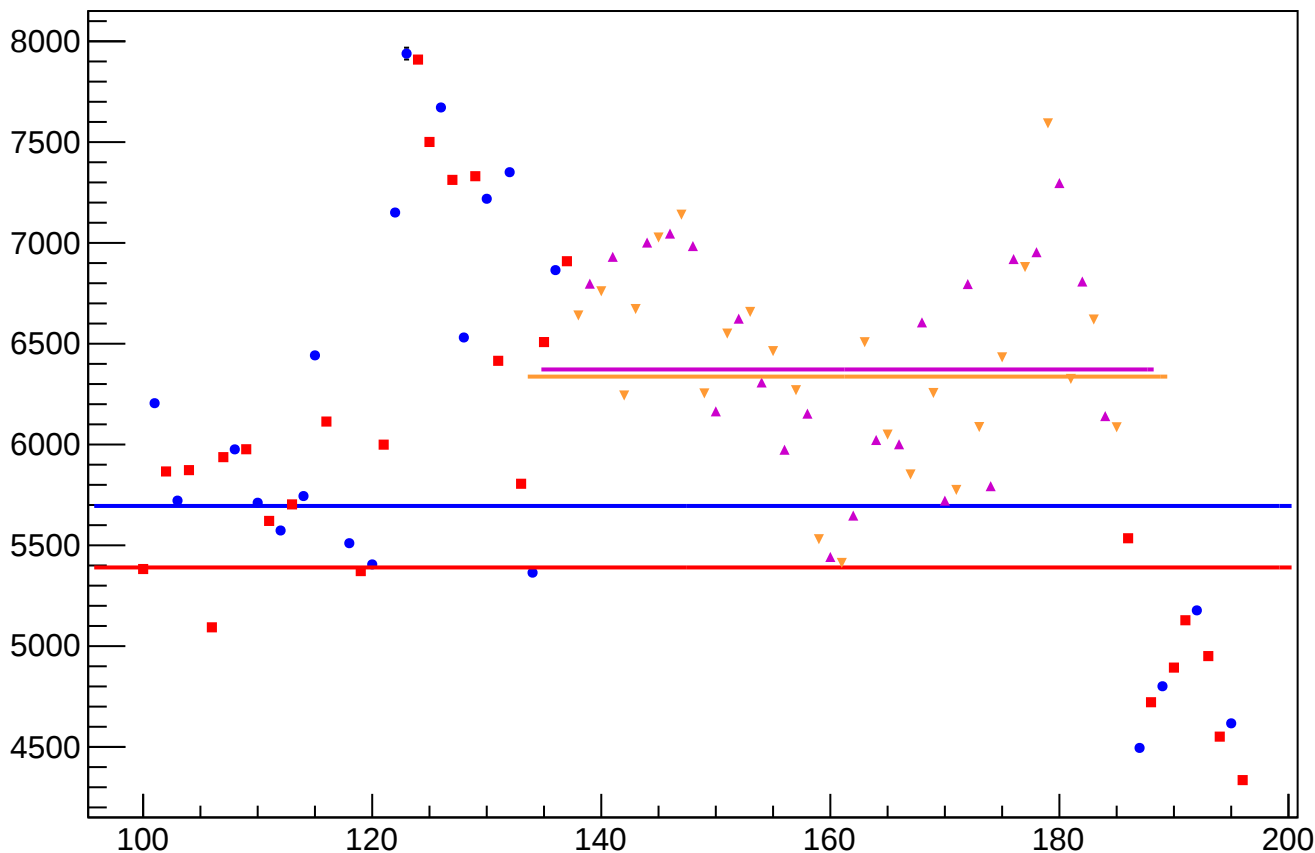
Left In: 10.851 ± 1.542 $\chi^2/\text{NDF}: 24.4/22$

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

All: 3.203 ± 0.810 $\chi^2/\text{NDF}: 185.5/94$

- sign 8.034 ± 1.118 $\chi^2/\text{NDF}: 72.7/48$

diff_bpm0l05X_rms vs Slug



Right In: 5695.313 $\pm$ 1.355 χ^2 /NDF: 421226.0/20

Left Out: 6336.876 $\pm$ 1.052 χ^2 /NDF: 222912.5/24

Right Out: 5390.250 $\pm$ 1.147 χ^2 /NDF: 525115.4/25

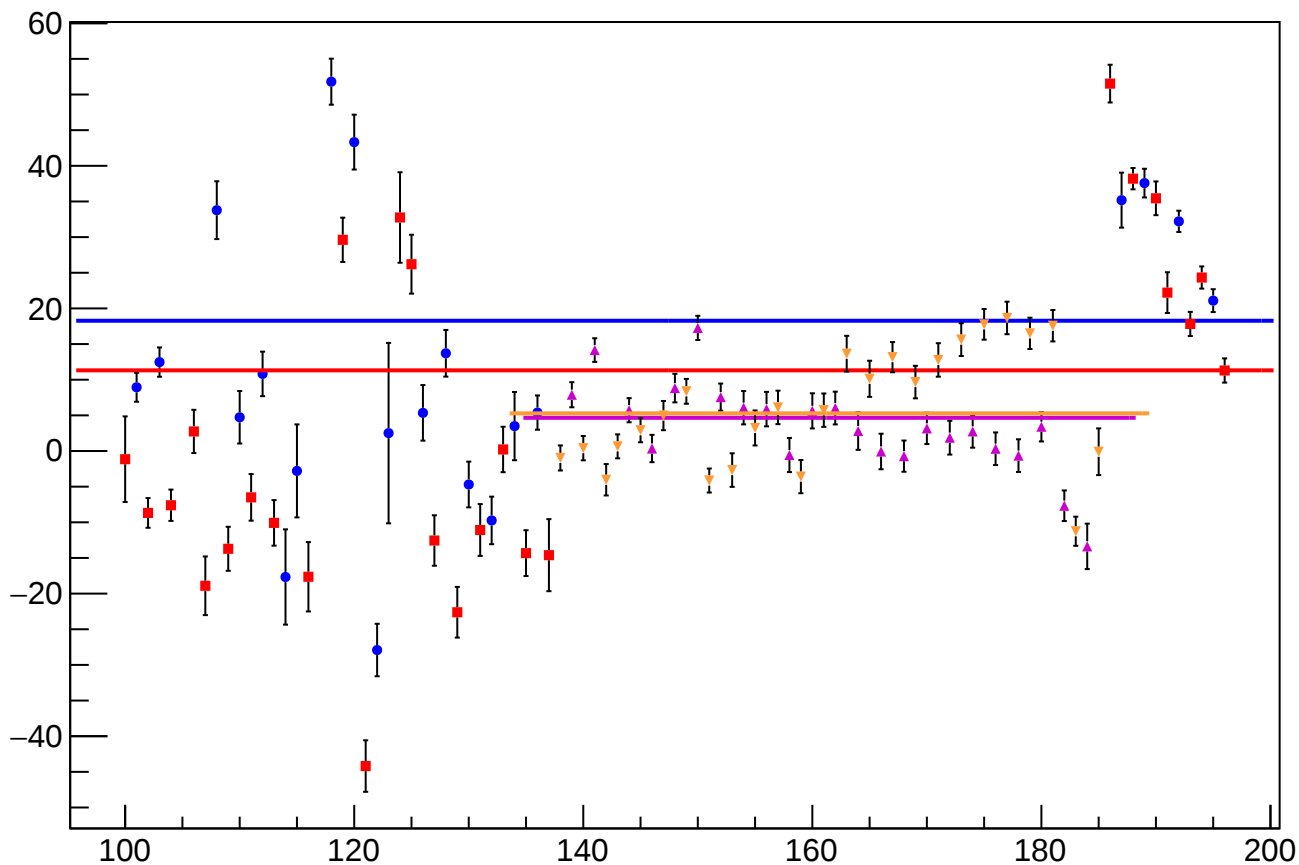
Left In: 6372.349 $\pm$ 1.090 χ^2 /NDF: 247257.0/22

+ sign 6095.792 $\pm$ 0.831 χ^2 /NDF: 784009.0/45

All: 5996.402 $\pm$ 0.573 χ^2 /NDF: 1968674.8/94

- sign 5906.467 $\pm$ 0.790 χ^2 /NDF: 1157405.7/48

diff_bpm0l05Y_mean vs Slug



Right In: 18.270 ± 0.606 $\chi^2/\text{NDF}: 786.7/20$

Left Out: 5.284 ± 0.421 $\chi^2/\text{NDF}: 366.1/24$

Right Out: 11.313 ± 0.520 $\chi^2/\text{NDF}: 1737.7/25$

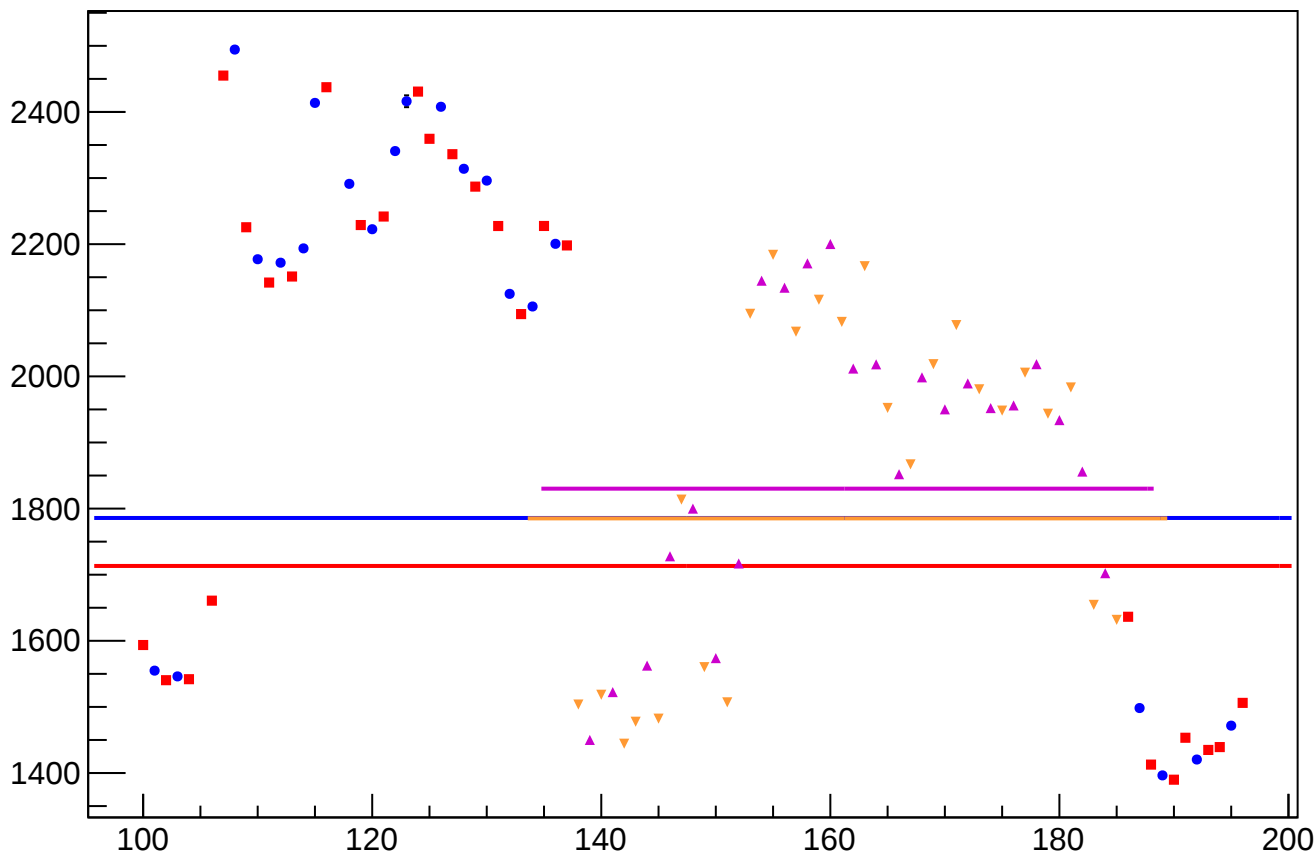
Left In: 4.657 ± 0.443 $\chi^2/\text{NDF}: 196.5/22$

+ sign 9.506 ± 0.346 $\chi^2/\text{NDF}: 1462.5/45$

All: 8.459 ± 0.241 $\chi^2/\text{NDF}: 3509.6/94$

- sign 7.462 ± 0.337 $\chi^2/\text{NDF}: 2029.2/48$

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: 1713.236 $\pm$ 0.367 χ^2 /NDF: 970722.6/25

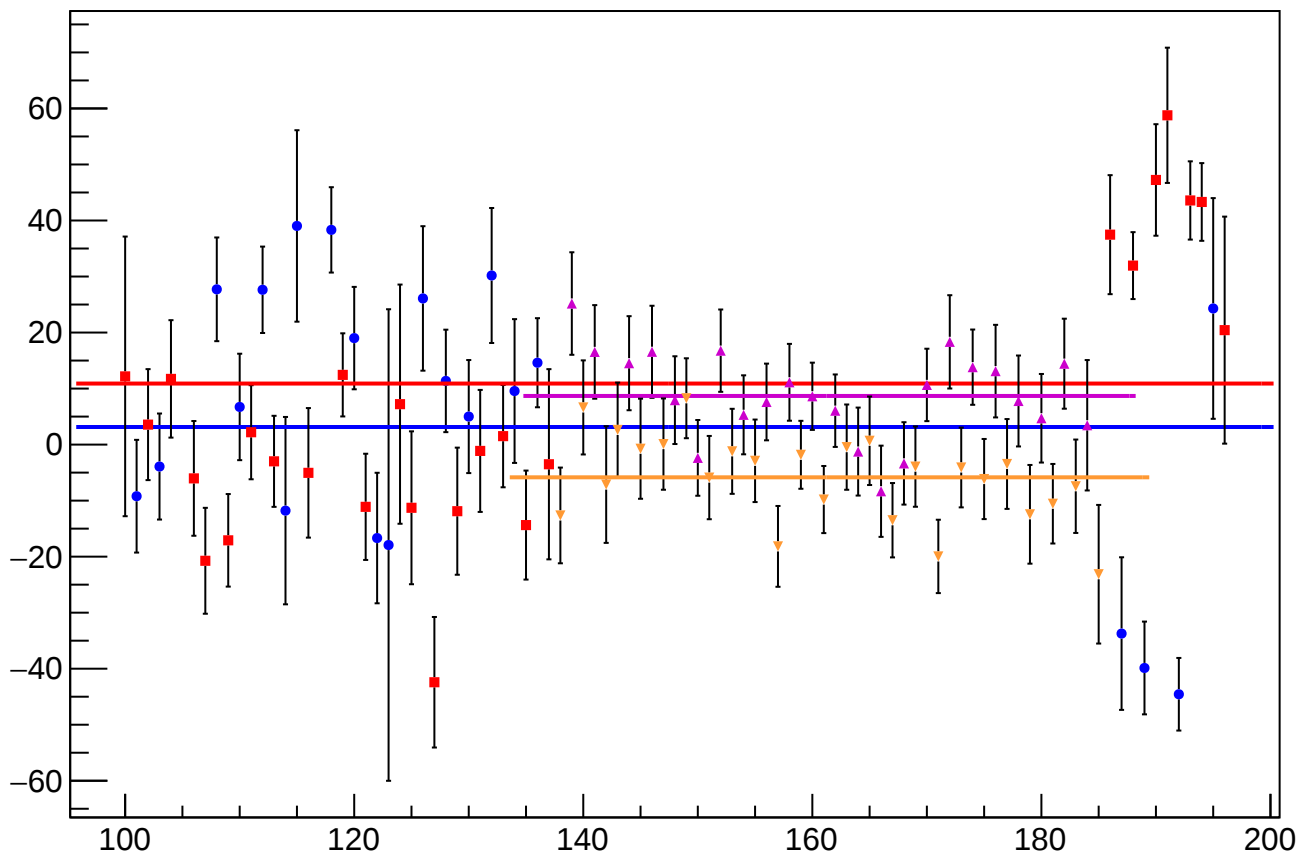
Left In: 1830.160 $\pm$ 0.313 χ^2 /NDF: 508391.9/22

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

All: 1783.085 $\pm$ 0.171 χ^2 /NDF: 3132781.2/94

- sign 1780.894 $\pm$ 0.238 χ^2 /NDF: 1537729.8/48

diff_bpm0l06X_mean vs Slug



Right In: 3.140 ± 2.194 $\chi^2/\text{NDF}: 153.1/20$

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

Right Out: 10.897 ± 1.899 $\chi^2/\text{NDF}: 166.4/25$

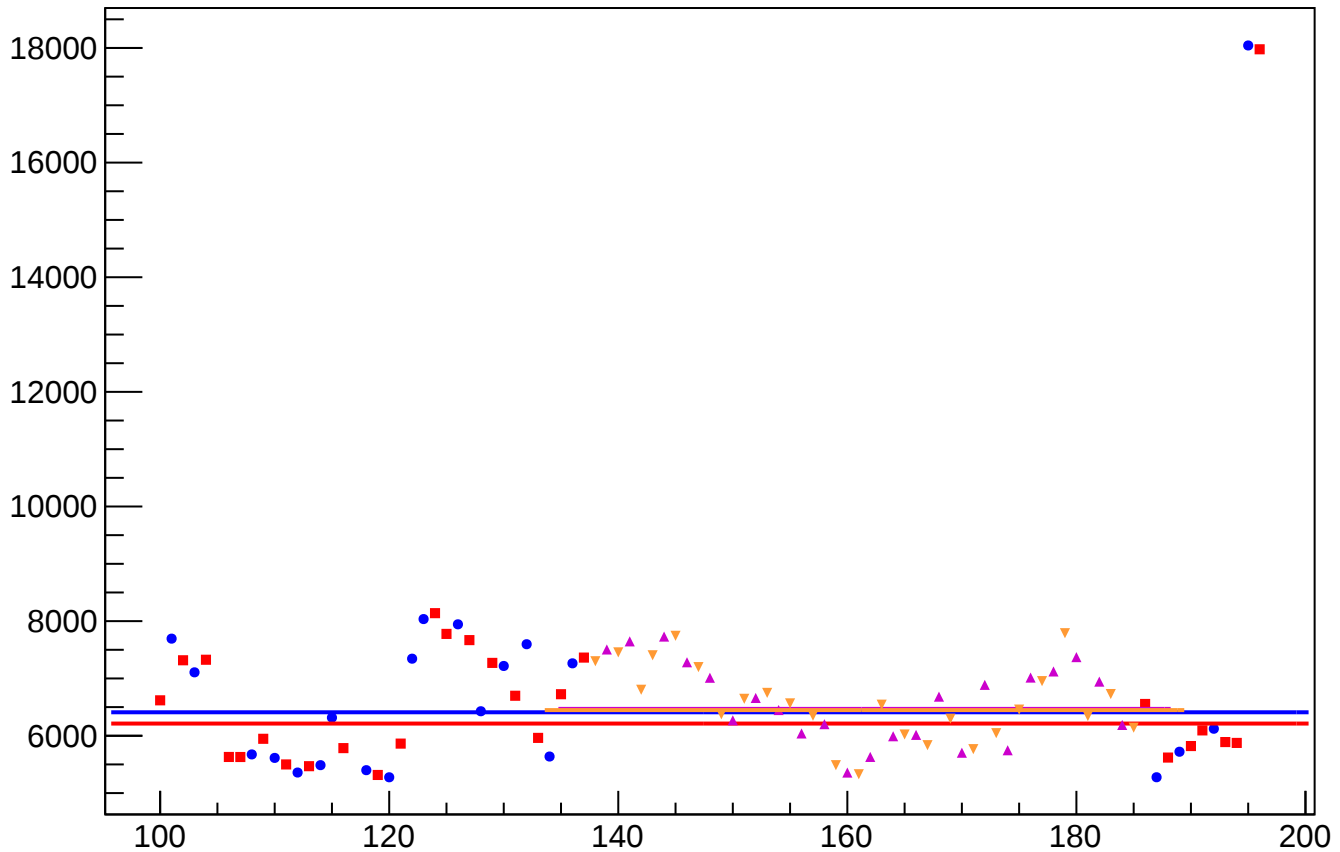
Left In: 8.683 ± 1.571 $\chi^2/\text{NDF}: 21.9/22$

+ sign -2.933 ± 1.249 $\chi^2/\text{NDF}: 187.7/45$

All: 3.519 ± 0.869 $\chi^2/\text{NDF}: 428.6/94$

- sign 9.582 ± 1.210 $\chi^2/\text{NDF}: 189.1/48$

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: 6212.940 $\pm$ 1.343 χ^2 /NDF: 949858.0/25

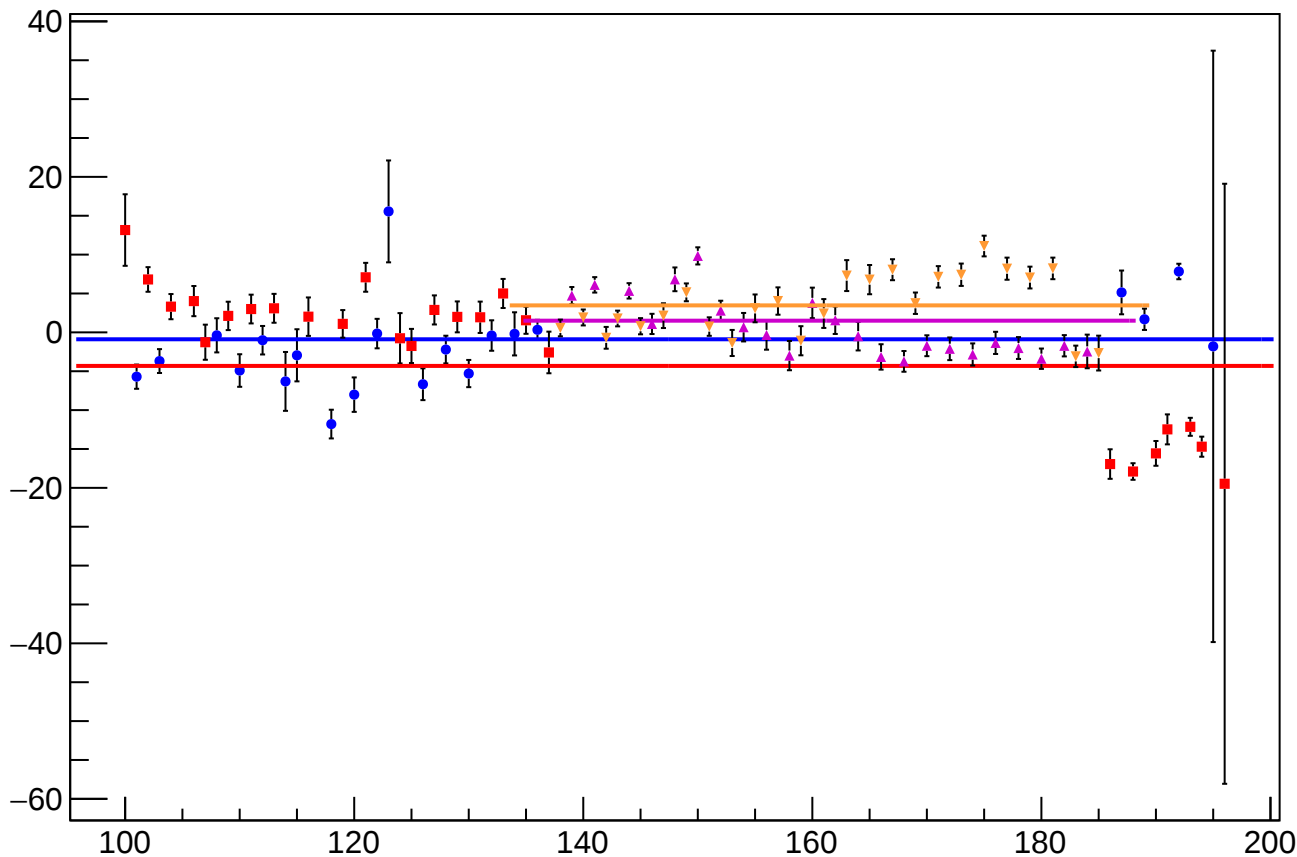
Left In: 6468.902 $\pm$ 1.111 χ^2 /NDF: 383325.4/22

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

All: 6399.098 $\pm$ 0.615 χ^2 /NDF: 2745567.5/94

- sign 6364.966 $\pm$ 0.856 χ^2 /NDF: 1354753.4/48

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: -4.316 ± 0.355 χ^2/NDF : 662.2/25

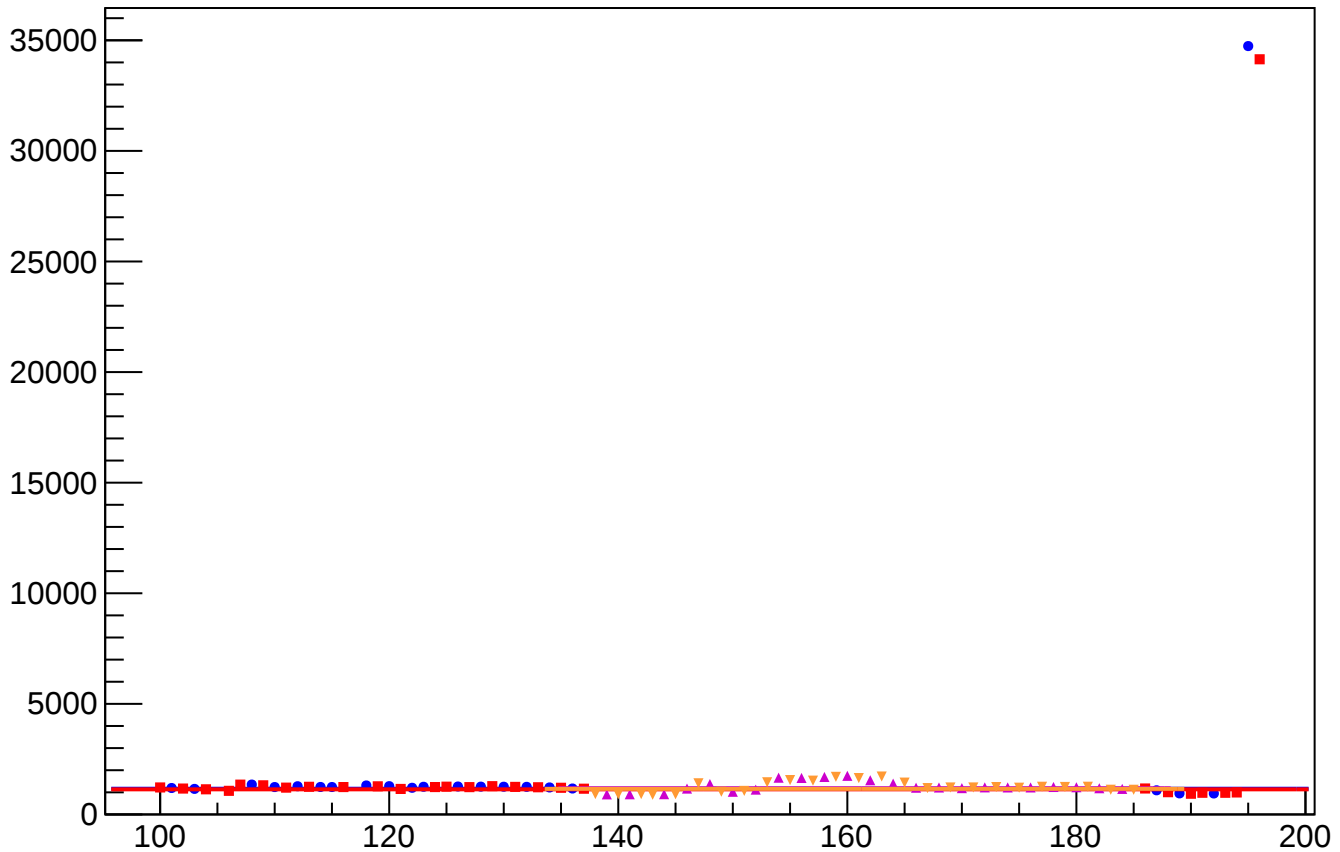
Left In: 1.502 ± 0.291 χ^2/NDF : 202.7/22

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

All: 0.603 ± 0.160 χ^2/NDF : 1535.3/94

- sign -0.835 ± 0.225 χ^2/NDF : 1025.9/48

diff_bpm0l06Y_rms vs Slug



Right In: 1162.851+/-0.287 χ^2/NDF : 1767665.0/20

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

Right Out: 1135.294+/-0.251 χ^2/NDF : 1704266.6/25

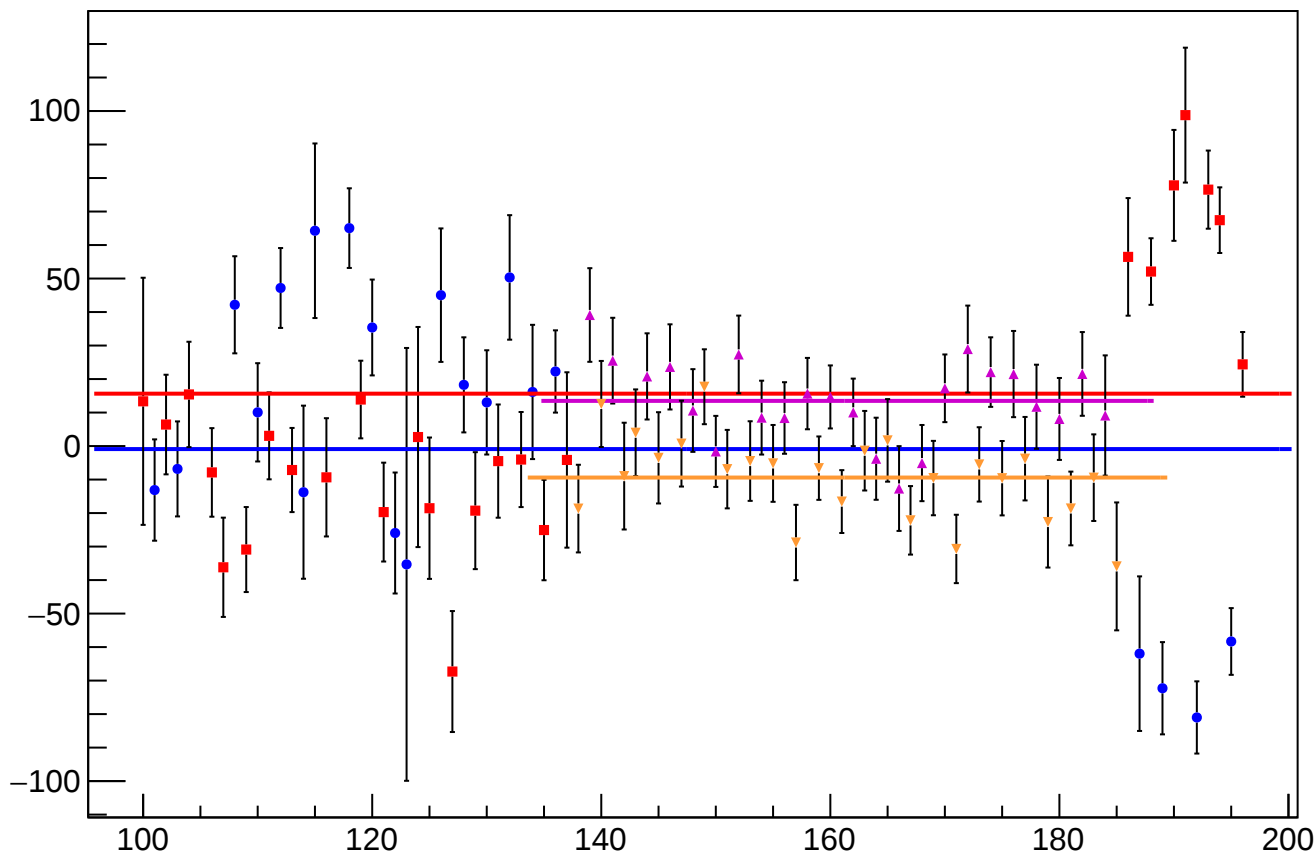
Left In: 1184.966+/-0.206 χ^2/NDF : 1190431.5/22

+ sign 1160.148+/-0.162 χ^2/NDF : 3178218.5/45

All: 1162.616+/-0.113 χ^2/NDF : 6096849.7/94

- sign 1165.007+/-0.159 χ^2/NDF : 2918171.5/48

diff_bpm0l07X_mean vs Slug



Right In: -0.898 ± 3.270 $\chi^2/\text{NDF}: 214.6/20$

Left Out: -9.398 ± 2.358 $\chi^2/\text{NDF}: 26.3/24$

Right Out: 15.638 ± 2.826 $\chi^2/\text{NDF}: 186.5/25$

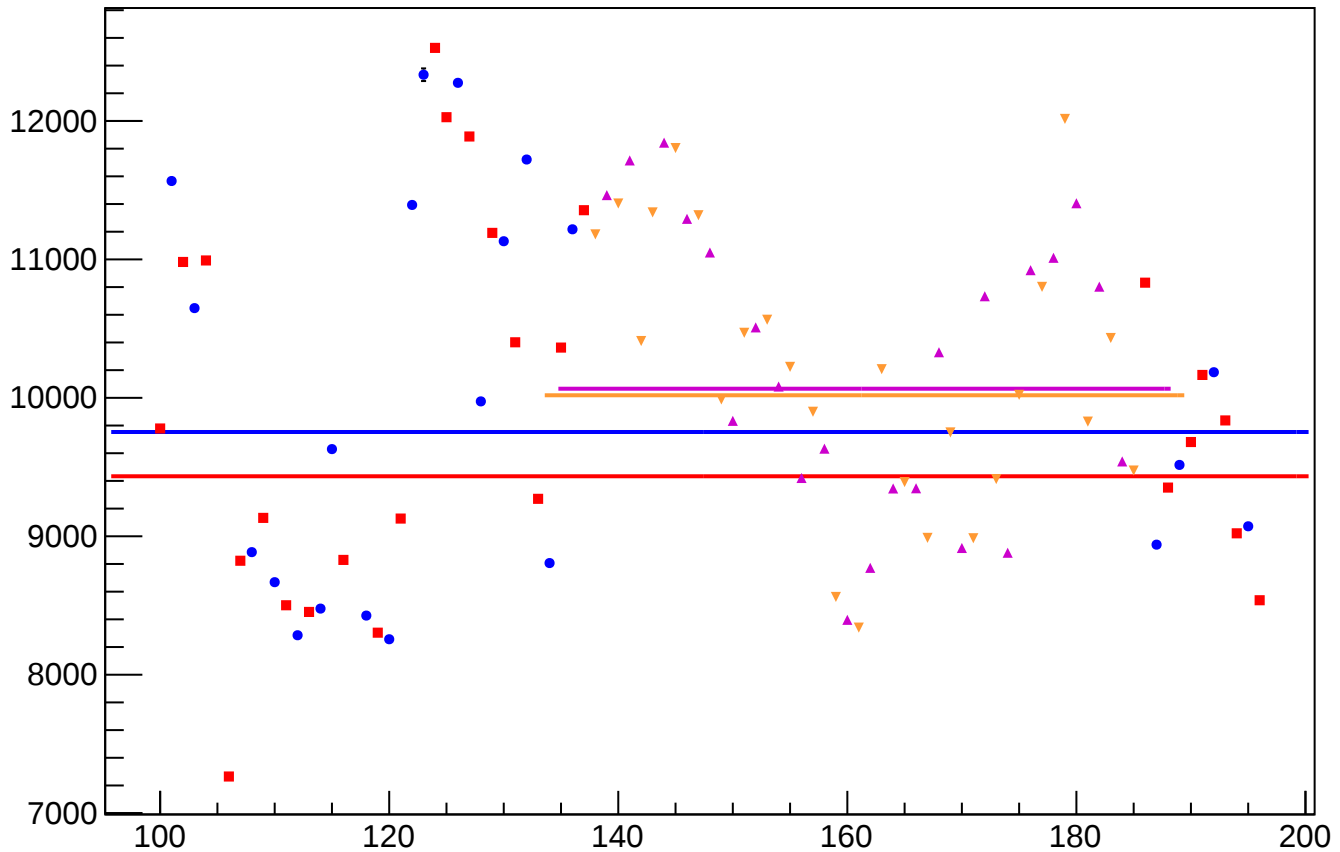
Left In: 13.485 ± 2.443 $\chi^2/\text{NDF}: 21.6/22$

+ sign -6.489 ± 1.913 $\chi^2/\text{NDF}: 245.3/45$

All: 4.318 ± 1.329 $\chi^2/\text{NDF}: 515.4/94$

- sign 14.406 ± 1.848 $\chi^2/\text{NDF}: 208.4/48$

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: 9433.512+/-1.998 χ^2/NDF : 314169.4/25

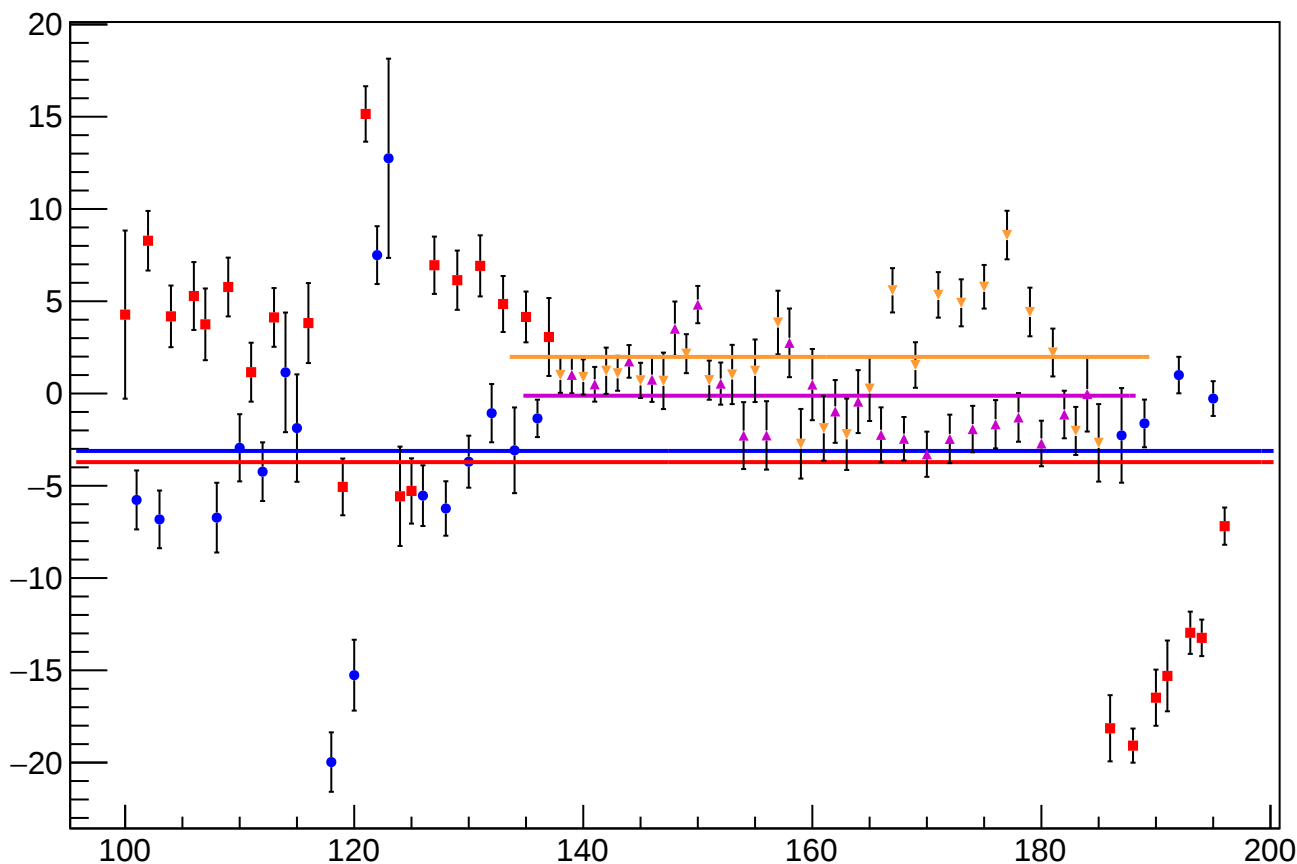
Left In: 10065.909+/-1.727 χ^2/NDF : 357868.9/22

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

All: 9859.338+/-0.940 χ^2/NDF : 1363304.5/94

- sign 9795.445+/-1.307 χ^2/NDF : 729363.7/48

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: -3.718 ± 0.296 $\chi^2/\text{NDF}: 1179.1/25$

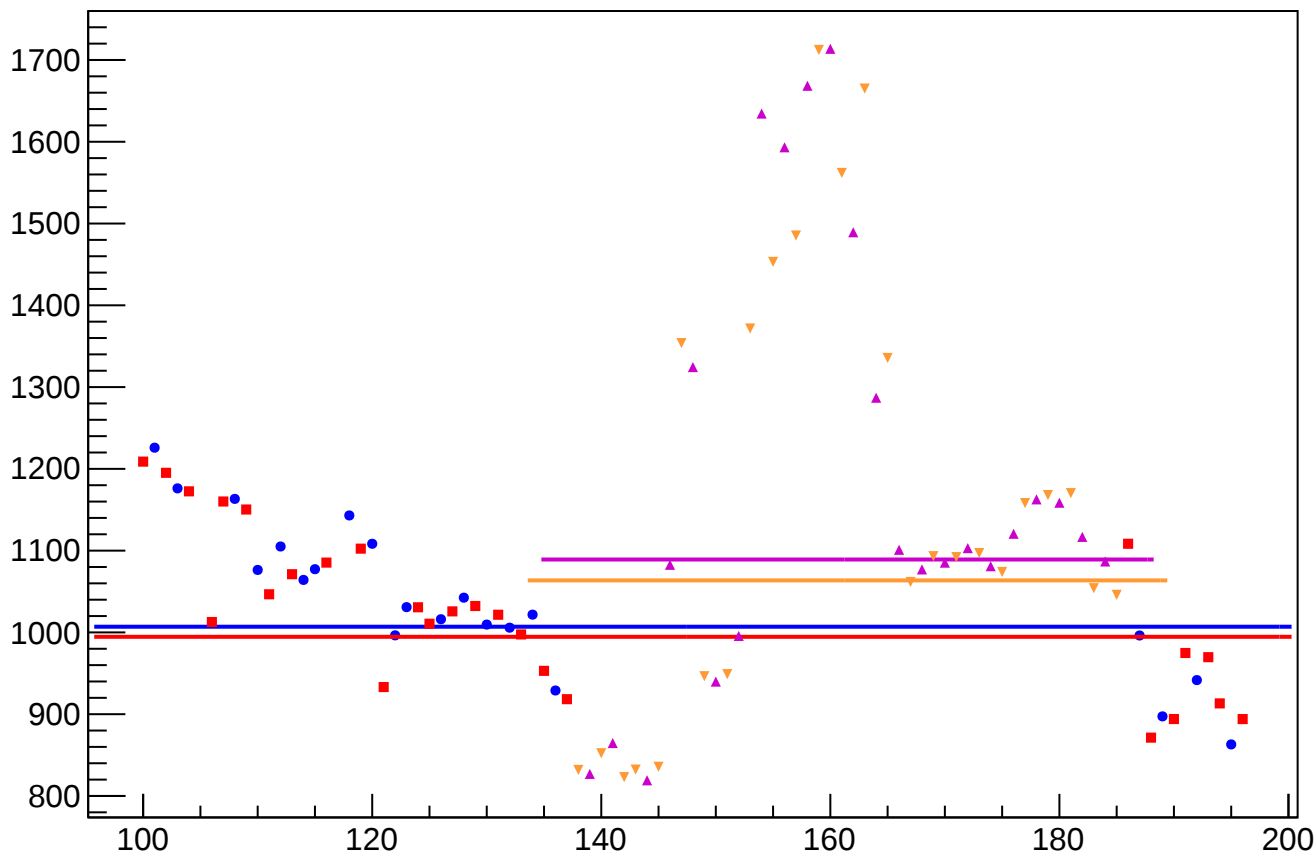
Left In: -0.120 ± 0.269 $\chi^2/\text{NDF}: 67.6/22$

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

All: -0.829 ± 0.142 $\chi^2/\text{NDF}: 1875.9/94$

- sign -1.743 ± 0.199 $\chi^2/\text{NDF}: 1327.6/48$

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: 994.642 $\pm$ 0.210 χ^2 /NDF: 209583.5/25

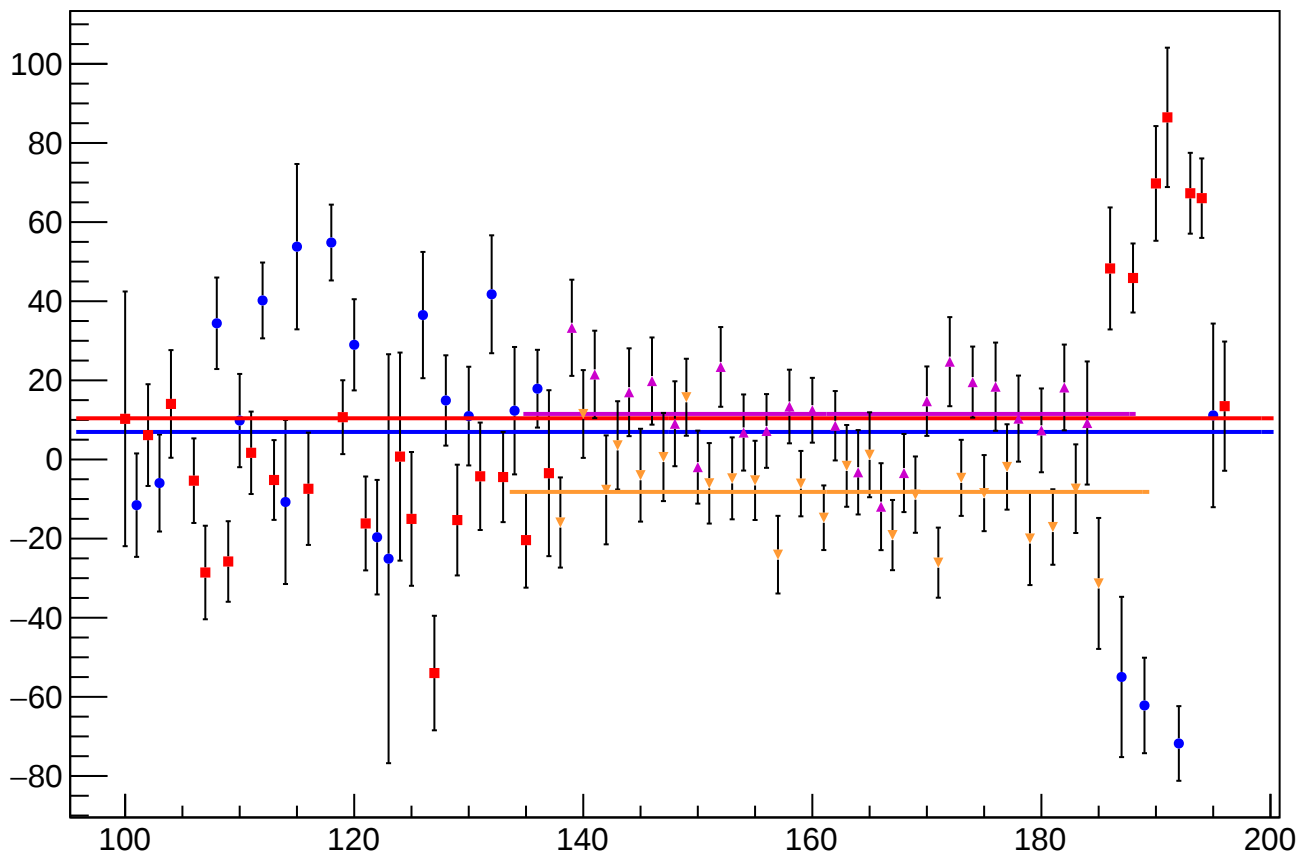
Left In: 1089.154 $\pm$ 0.190 χ^2 /NDF:1430478.5/22

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

All: 1044.744 $\pm$ 0.100 χ^2 /NDF: 3595431.9/94

- sign 1046.530 $\pm$ 0.141 χ^2 /NDF: 1751660.9/48

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: 10.413 ± 2.453 $\chi^2/\text{NDF}: 190.7/25$

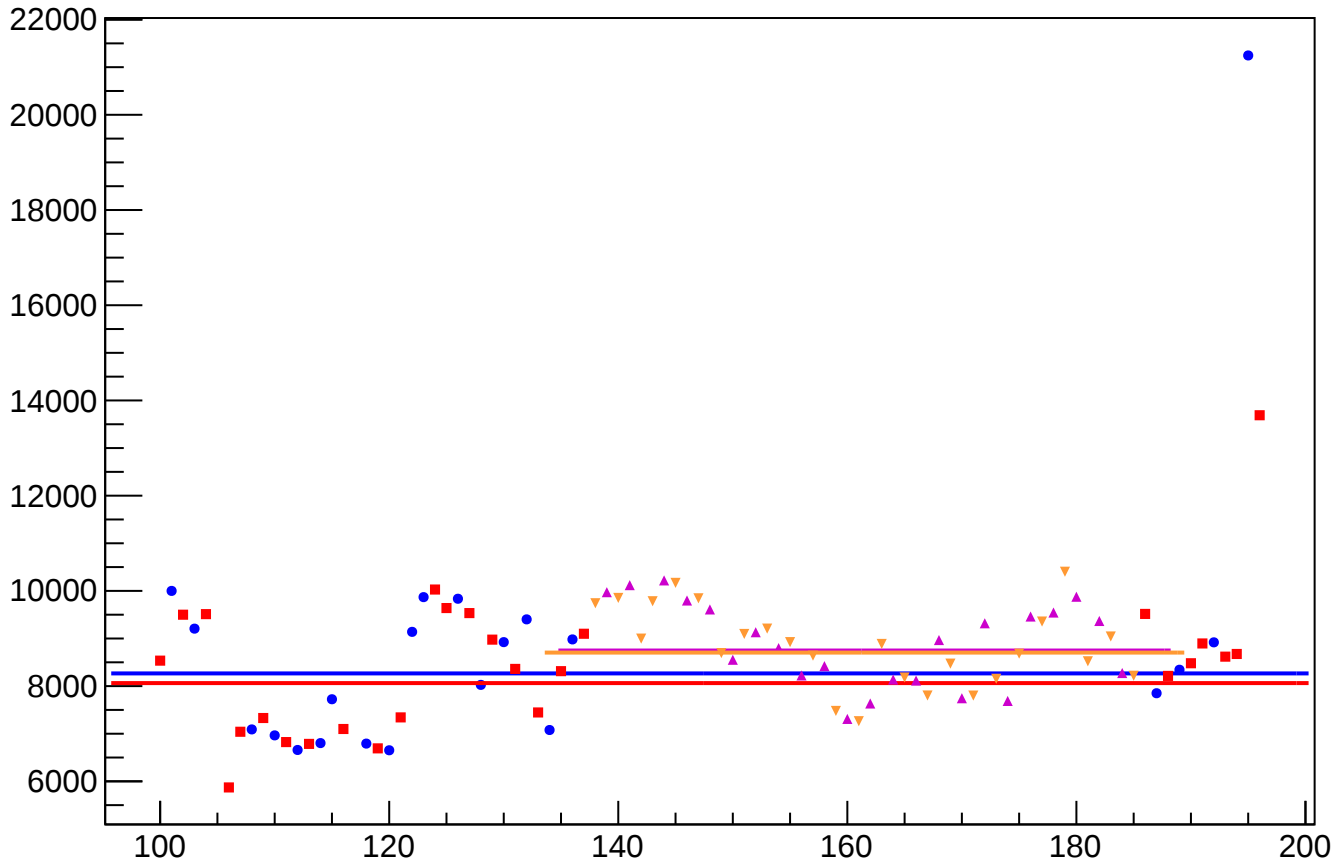
Left In: 11.515 ± 2.122 $\chi^2/\text{NDF}: 21.0/22$

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

All: 4.266 ± 1.153 $\chi^2/\text{NDF}: 475.3/94$

- sign 11.043 ± 1.605 $\chi^2/\text{NDF}: 211.8/48$

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: 8063.440 $\pm$ 1.734 χ^2 /NDF: 622928.0/25

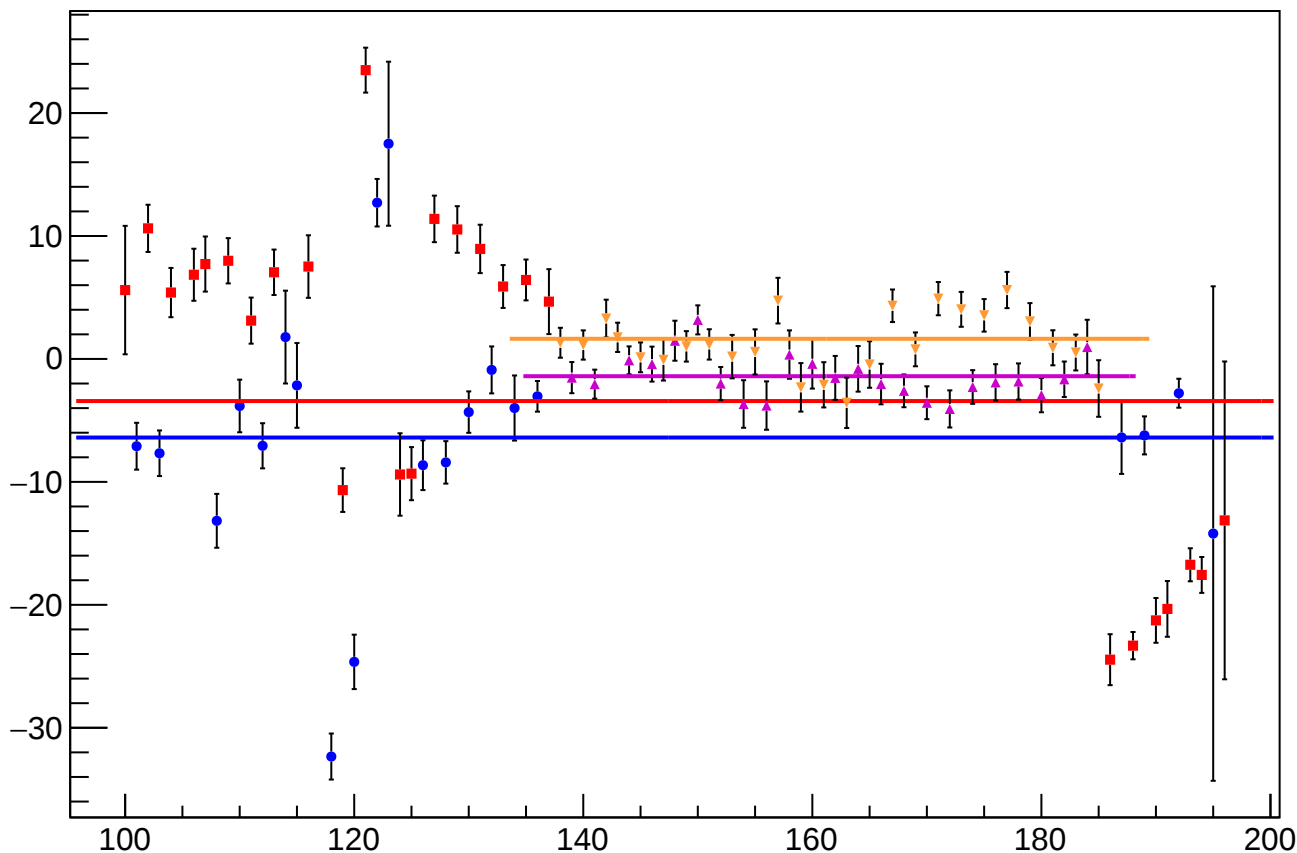
Left In: 8747.415 $\pm$ 1.501 χ^2 /NDF: 347110.4/22

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

All: 8502.343 $\pm$ 0.815 χ^2 /NDF: 2376755.3/94

- sign 8454.534 $\pm$ 1.135 χ^2 /NDF: 1058984.7/48

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: -3.424 ± 0.374 $\chi^2/\text{NDF}: 1466.4/25$

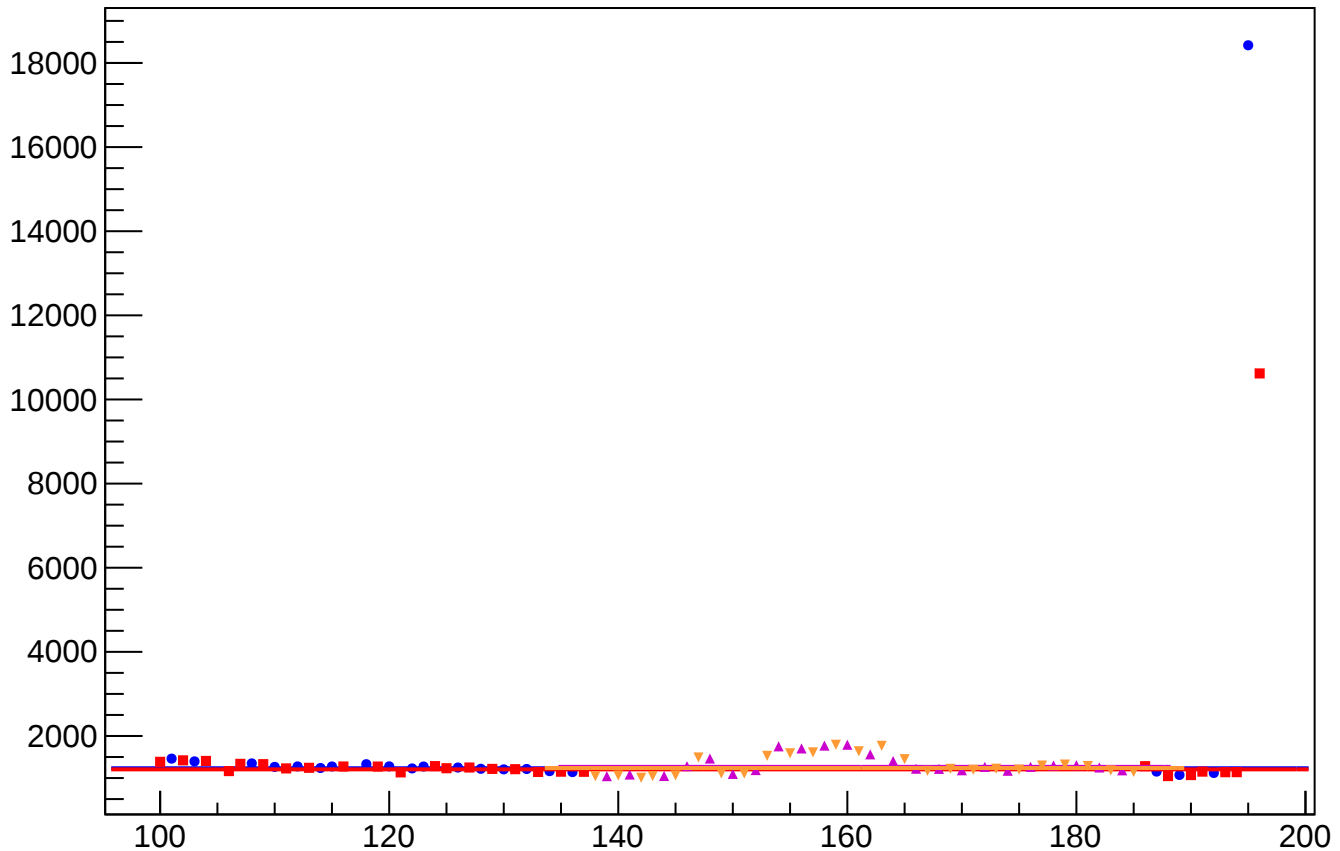
Left In: -1.404 ± 0.309 $\chi^2/\text{NDF}: 34.1/22$

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

All: -1.589 ± 0.170 $\chi^2/\text{NDF}: 2241.9/94$

- sign -2.223 ± 0.238 $\chi^2/\text{NDF}: 1517.9/48$

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: 1206.421 $\pm$ 0.265 χ^2 /NDF: 1206694.3/25

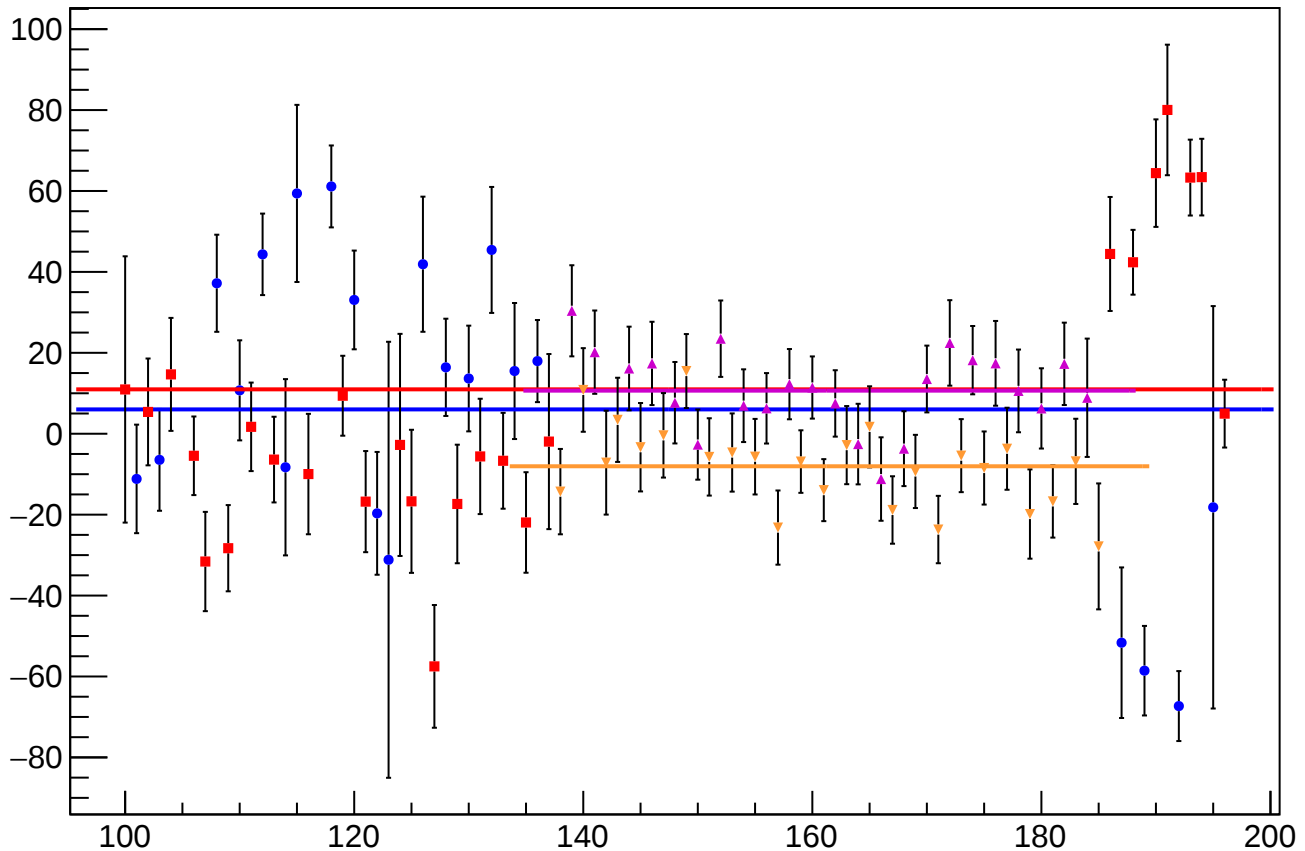
Left In: 1265.673 $\pm$ 0.218 χ^2 /NDF: 845157.0/22

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

All: 1239.161 $\pm$ 0.120 χ^2 /NDF: 4619971.6/94

- sign 1241.642 $\pm$ 0.168 χ^2 /NDF: 2081680.7/48

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: 10.972 ± 2.374 $\chi^2/\text{NDF}: 194.7/25$

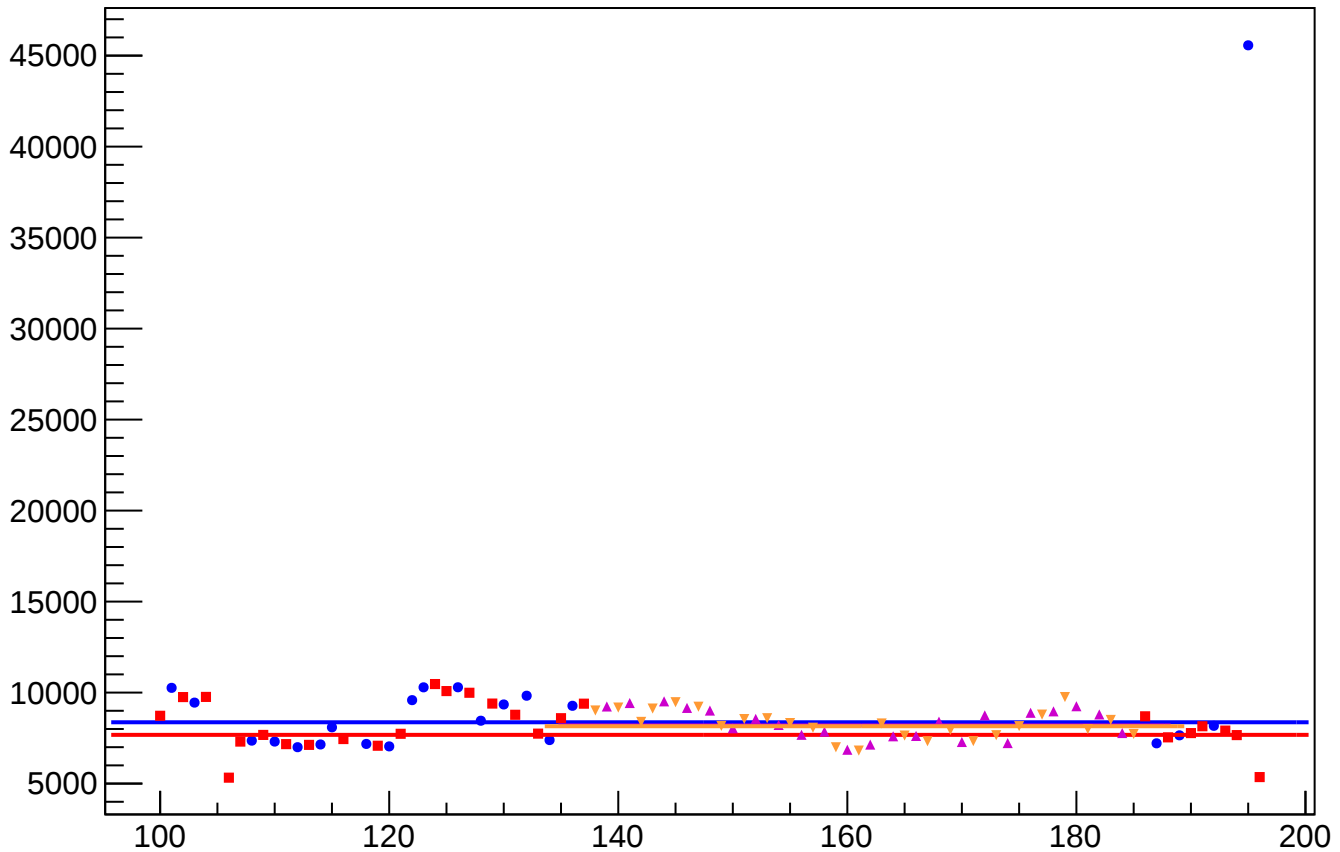
Left In: 10.653 ± 1.988 $\chi^2/\text{NDF}: 21.4/22$

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

All: 3.863 ± 1.103 $\chi^2/\text{NDF}: 500.0/94$

- sign 10.784 ± 1.524 $\chi^2/\text{NDF}: 216.1/48$

diff_bpm0l09X_rms vs Slug



Right In: 8368.732 ± 2.049 χ^2/NDF : 1407620.3/20

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

Right Out: 7677.257 ± 1.679 χ^2/NDF : 567446.1/25

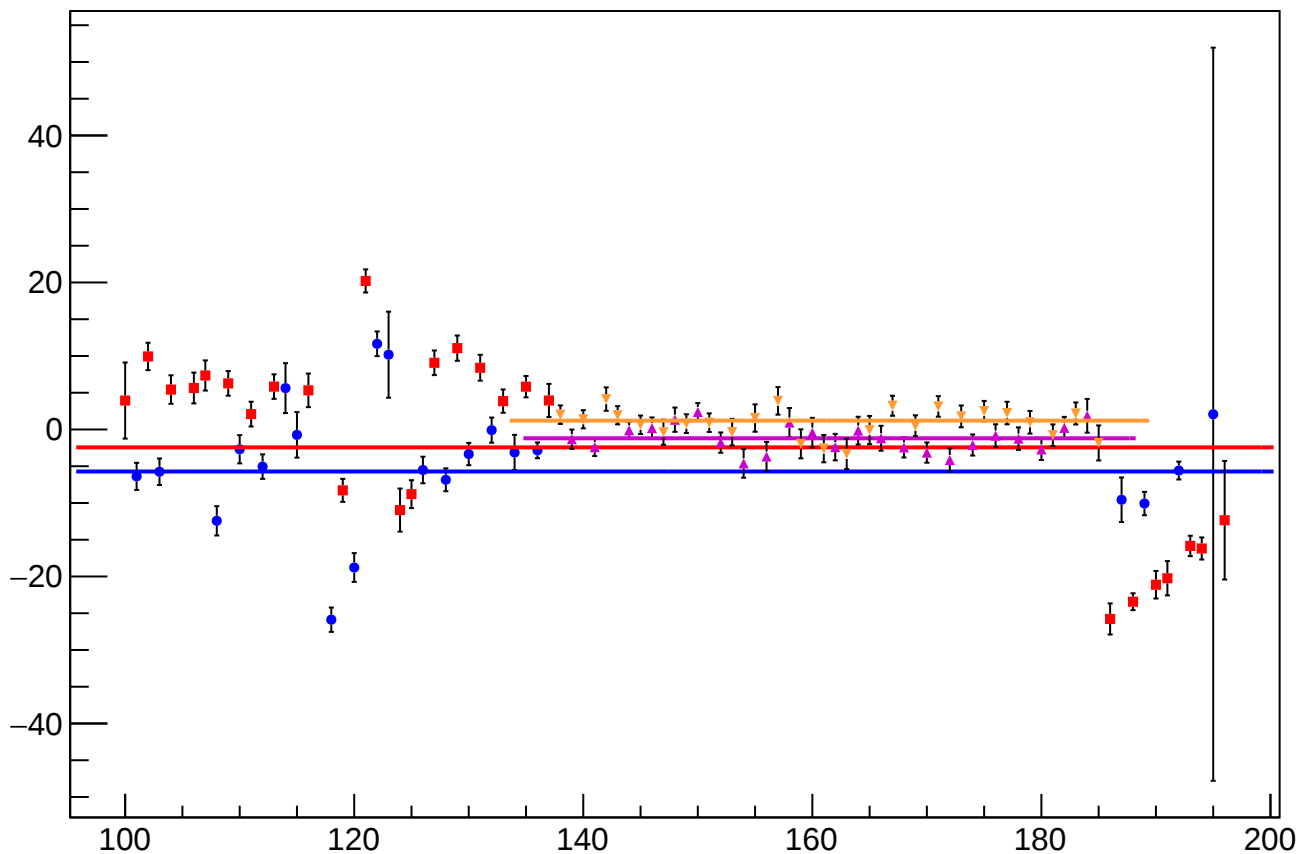
Left In: 8193.636 ± 1.405 χ^2/NDF : 338377.6/22

+ sign 8217.698 ± 1.131 χ^2/NDF : 1737242.2/45

All: 8093.590 ± 0.780 χ^2/NDF : 2721663.7/94

- sign 7980.888 ± 1.078 χ^2/NDF : 961442.3/48

diff_bpm0l09Y_mean vs Slug



Right In: -5.717 ± 0.395 $\chi^2/\text{NDF}: 365.8/20$

Left Out: 1.203 ± 0.302 $\chi^2/\text{NDF}: 29.9/24$

Right Out: -2.433 ± 0.353 $\chi^2/\text{NDF}: 1408.0/25$

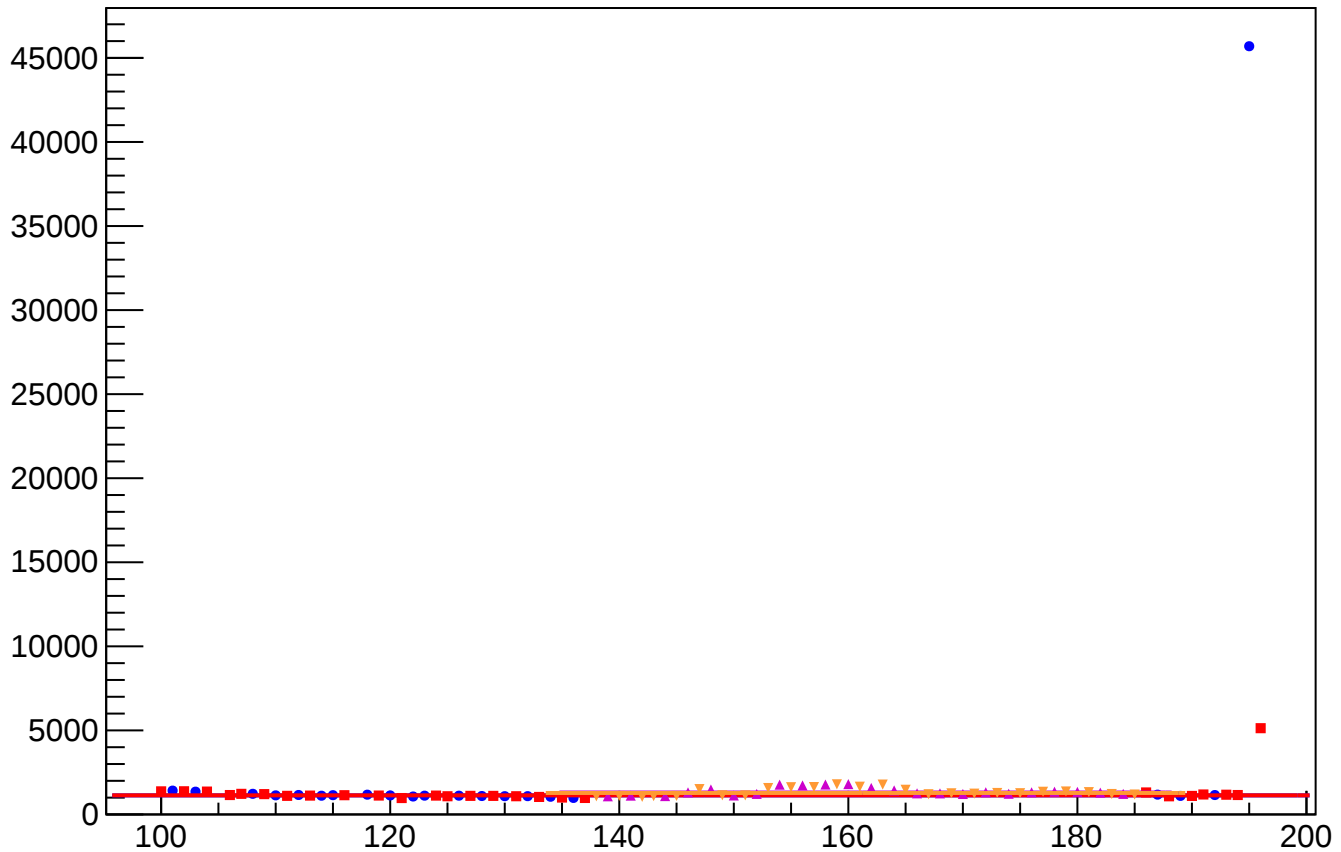
Left In: -1.198 ± 0.318 $\chi^2/\text{NDF}: 31.2/22$

+ sign -1.353 ± 0.240 $\chi^2/\text{NDF}: 589.2/45$

All: -1.556 ± 0.168 $\chi^2/\text{NDF}: 2036.6/94$

- sign -1.752 ± 0.236 $\chi^2/\text{NDF}: 1446.0/48$

diff_bpm0l09Y_rms vs Slug



Right In: 1133.677+/-0.279 χ^2/NDF : 1731787.5/20

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

Right Out: 1137.125+/-0.249 χ^2/NDF : 643826.2/25

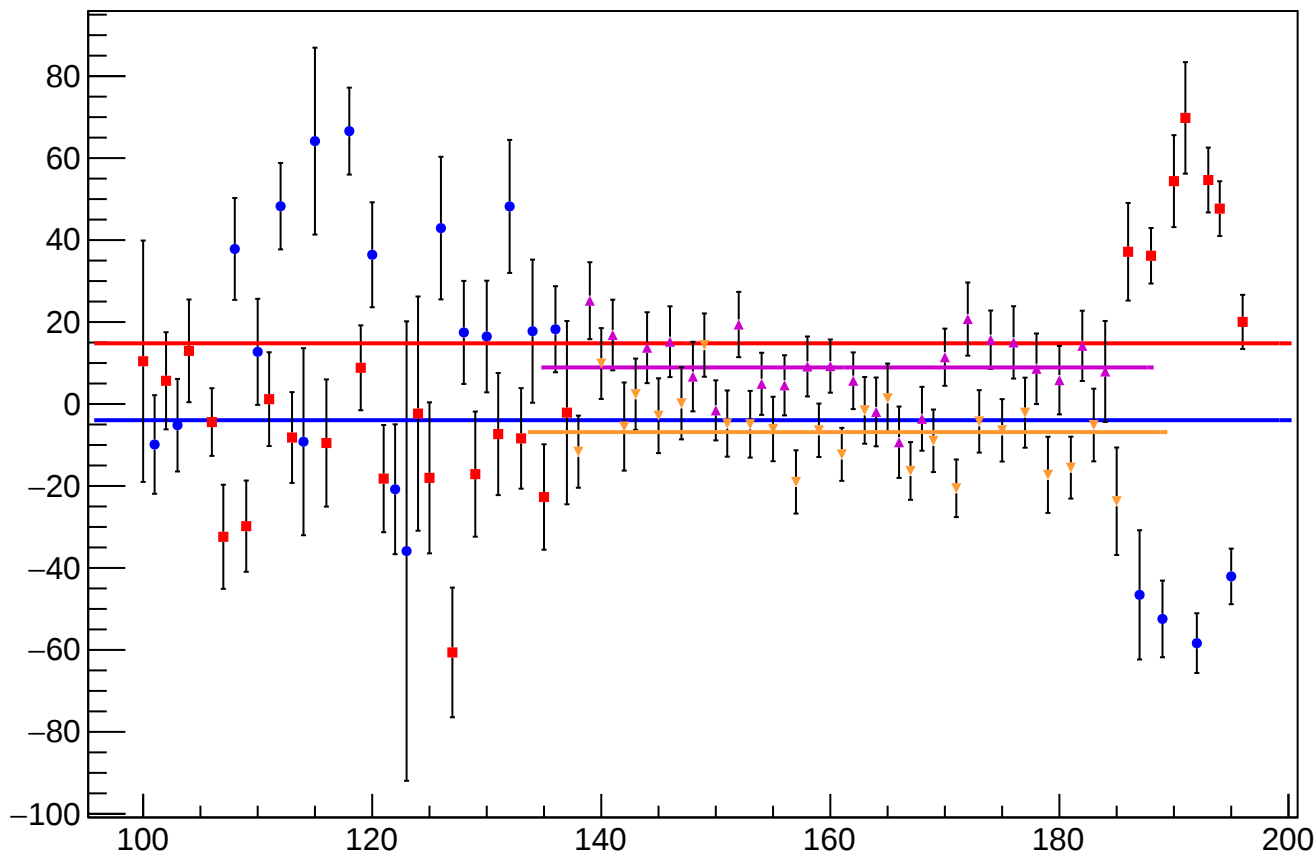
Left In: 1305.541+/-0.225 χ^2/NDF : 760450.8/22

+ sign 1224.629+/-0.170 χ^2/NDF : 2777971.5/45

All: 1227.354+/-0.119 χ^2/NDF : 4434169.9/94

- sign 1229.991+/-0.167 χ^2/NDF : 1655691.6/48

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: 14.812 ± 2.162 χ^2/NDF : 188.8/25

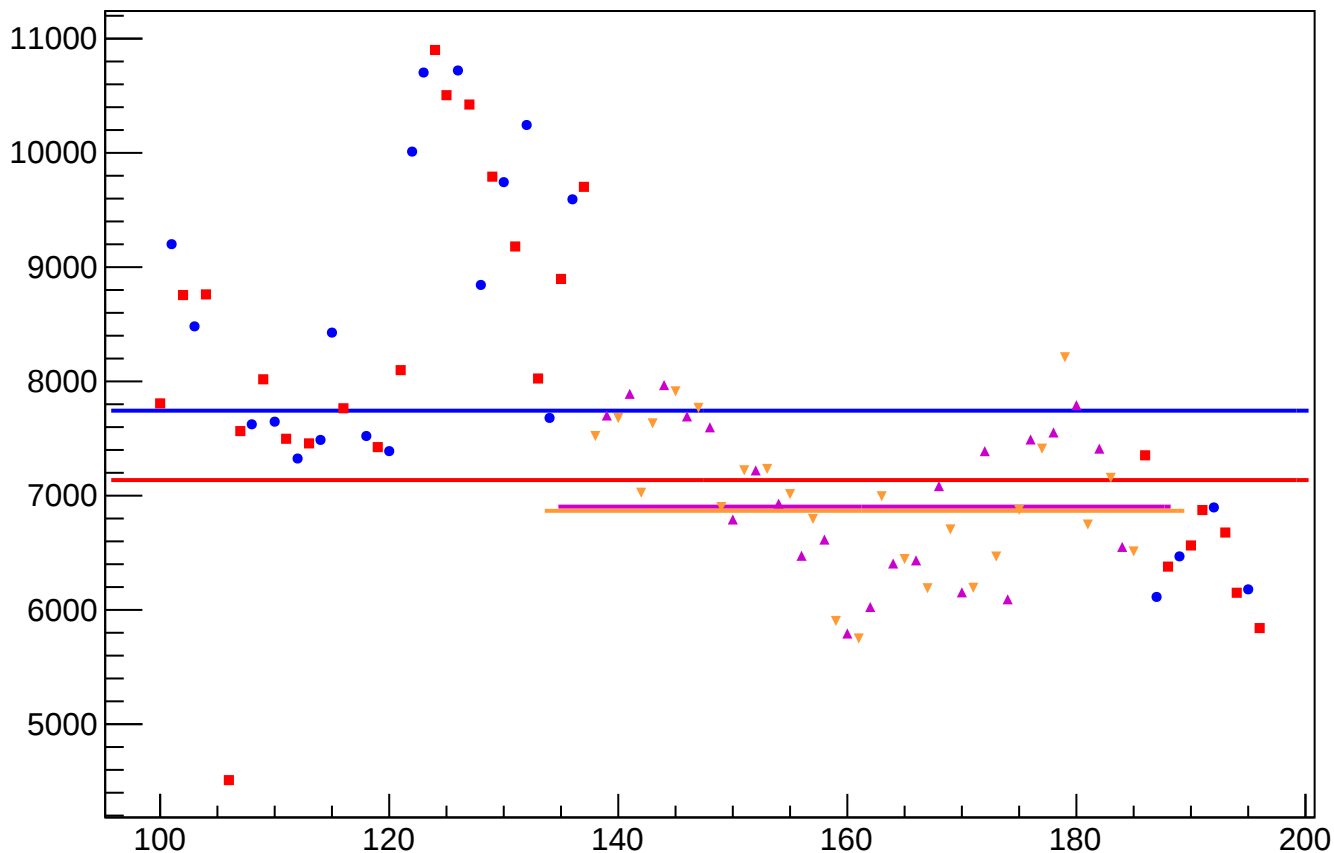
Left In: 8.923 ± 1.674 χ^2/NDF : 21.8/22

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

All: 2.859 ± 0.953 χ^2/NDF : 578.4/94

- sign 11.130 ± 1.324 χ^2/NDF : 215.2/48

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: 7136.361 $\pm$ 1.529 χ^2 /NDF: 828133.4/25

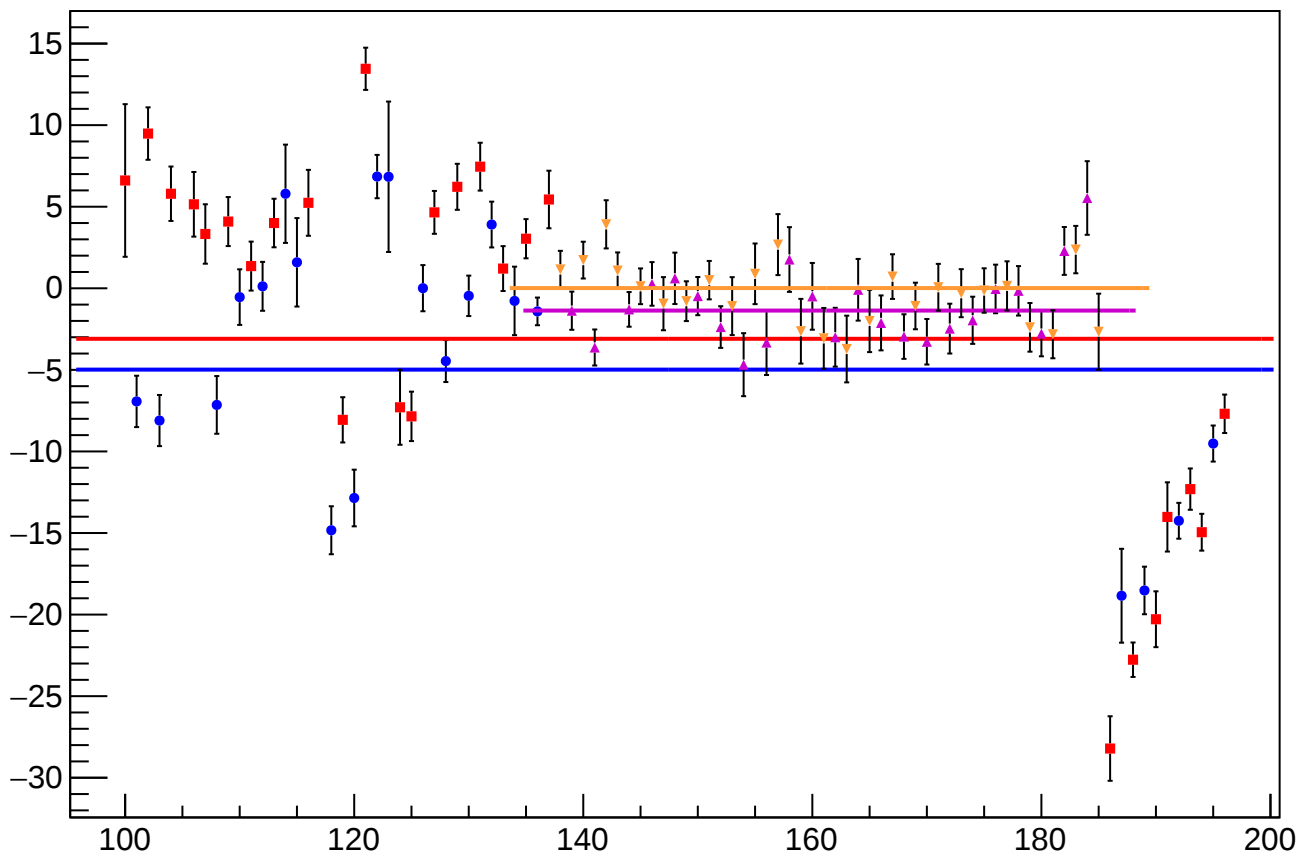
Left In: 6904.117 $\pm$ 1.184 χ^2 /NDF: 325912.6/22

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

All: 7048.294 $\pm$ 0.674 χ^2 /NDF: 2156898.8/94

- sign 6991.170 $\pm$ 0.936 χ^2 /NDF: 1168469.9/48

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: -3.096 ± 0.293 χ^2/NDF : 1388.7/25

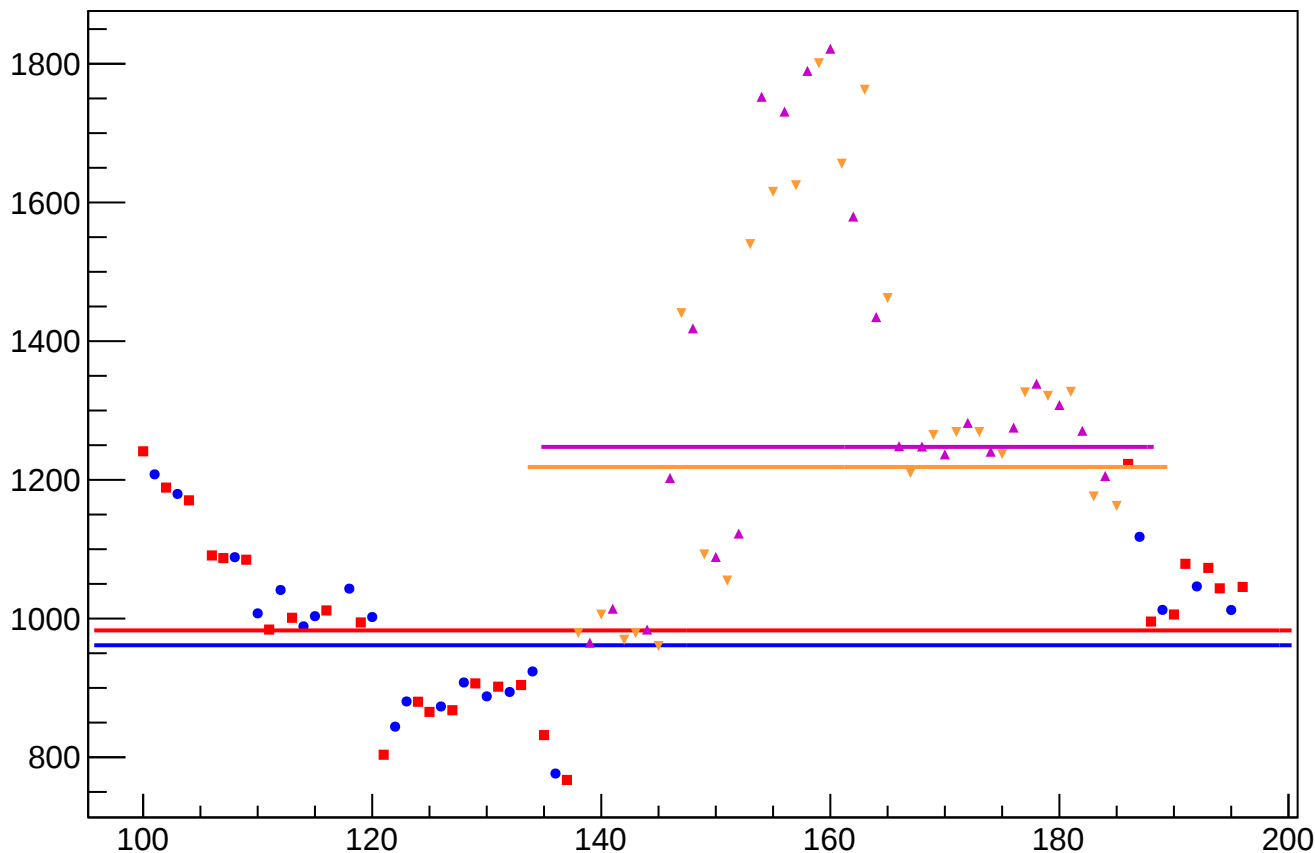
Left In: -1.365 ± 0.306 χ^2/NDF : 38.5/22

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

All: -2.248 ± 0.151 χ^2/NDF : 2092.9/94

- sign -2.265 ± 0.212 χ^2/NDF : 1443.9/48

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: 982.905 $\pm$ 0.208 χ^2 /NDF: 292372.3/25

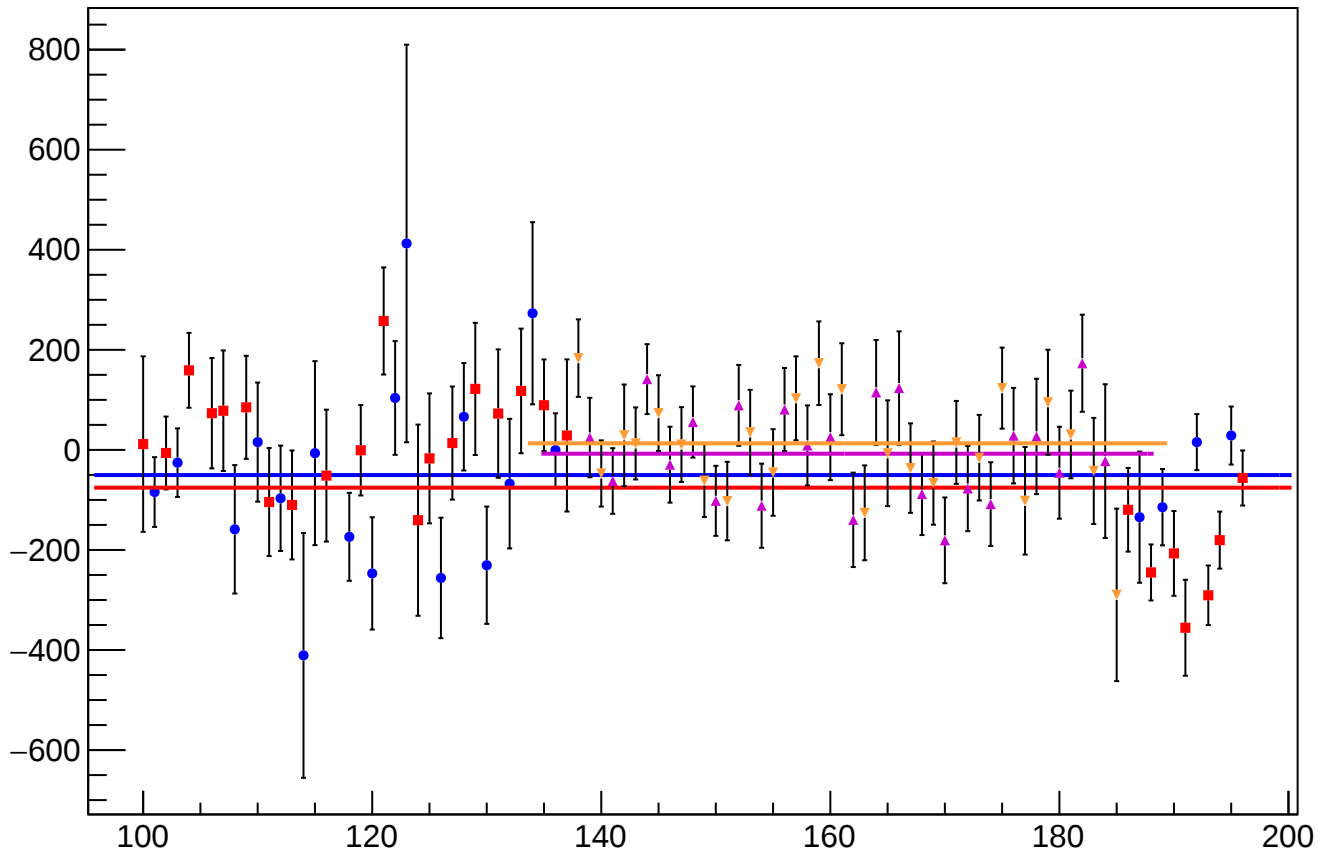
Left In: 1247.538 $\pm$ 0.216 χ^2 /NDF:1073390.3/22

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

All: 1106.580 $\pm$ 0.107 χ^2 /NDF: 4391585.6/94

- sign 1109.917 $\pm$ 0.150 χ^2 /NDF: 2146198.8/48

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: -75.504 ± 17.614 χ^2/NDF : 75.0/25

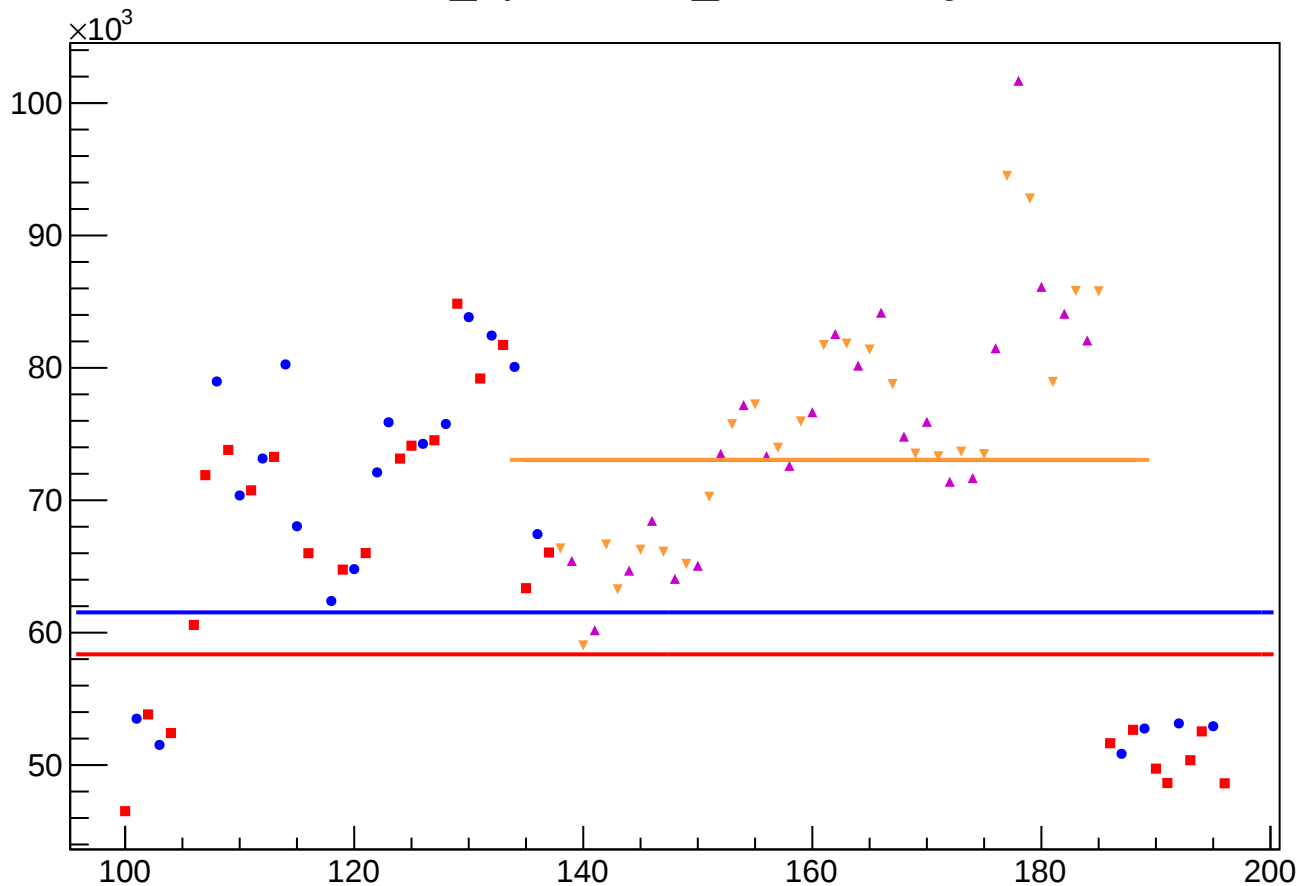
Left In: -7.618 ± 17.672 χ^2/NDF : 28.1/22

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

All: -27.965 ± 9.071 χ^2/NDF : 171.9/94

- sign -41.671 ± 12.475 χ^2/NDF : 110.5/48

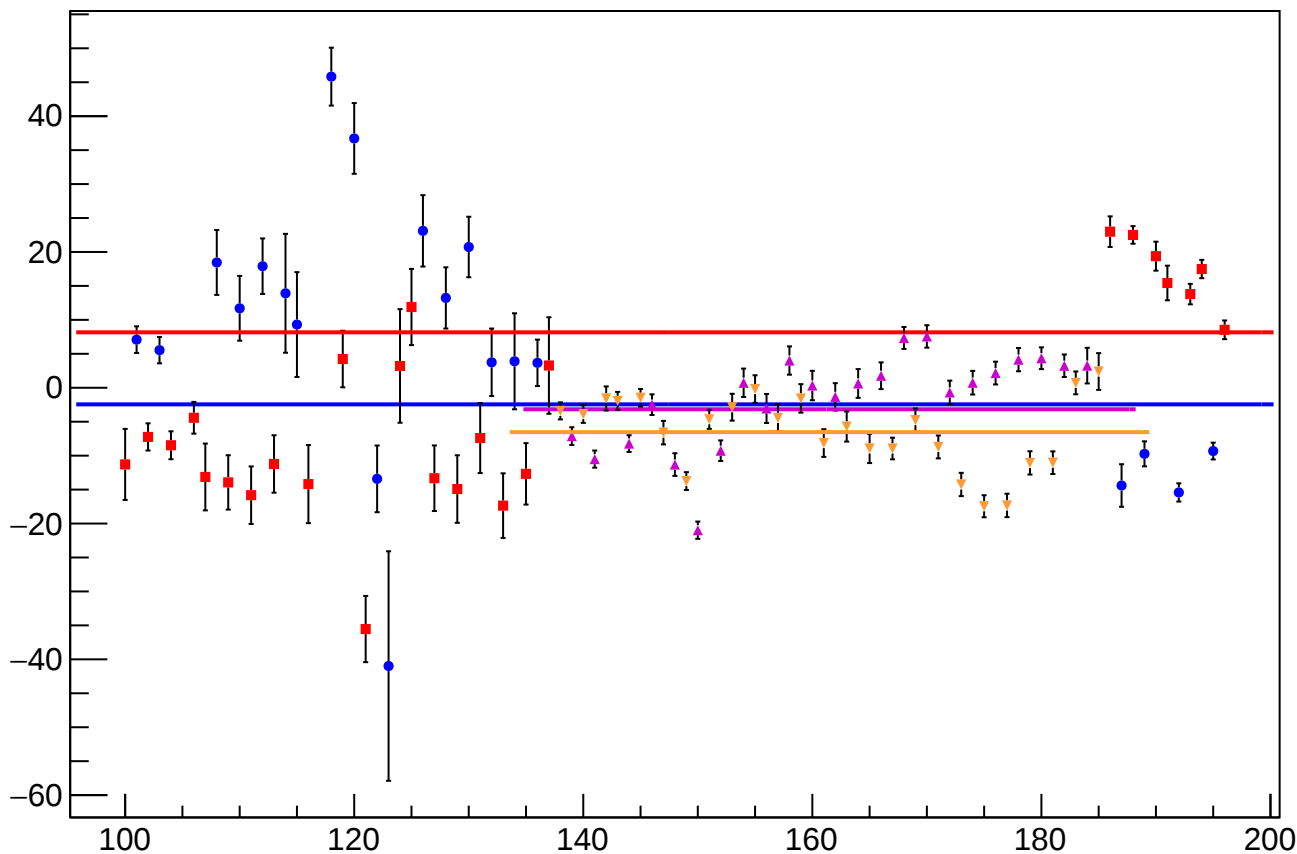
diff_bpm0r03X_rms vs Slug



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: 58364.234 $\pm$ 12.455 χ^2 /NDF: 682821.6/25
 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: 66950.012 $\pm$ 6.414 χ^2 /NDF: 3244420.7/9
 - sign 65681.086 $\pm$ 8.821 χ^2 /NDF: 1838783.9/48

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: 8.165 ± 0.499 χ^2/NDF : 731.0/25

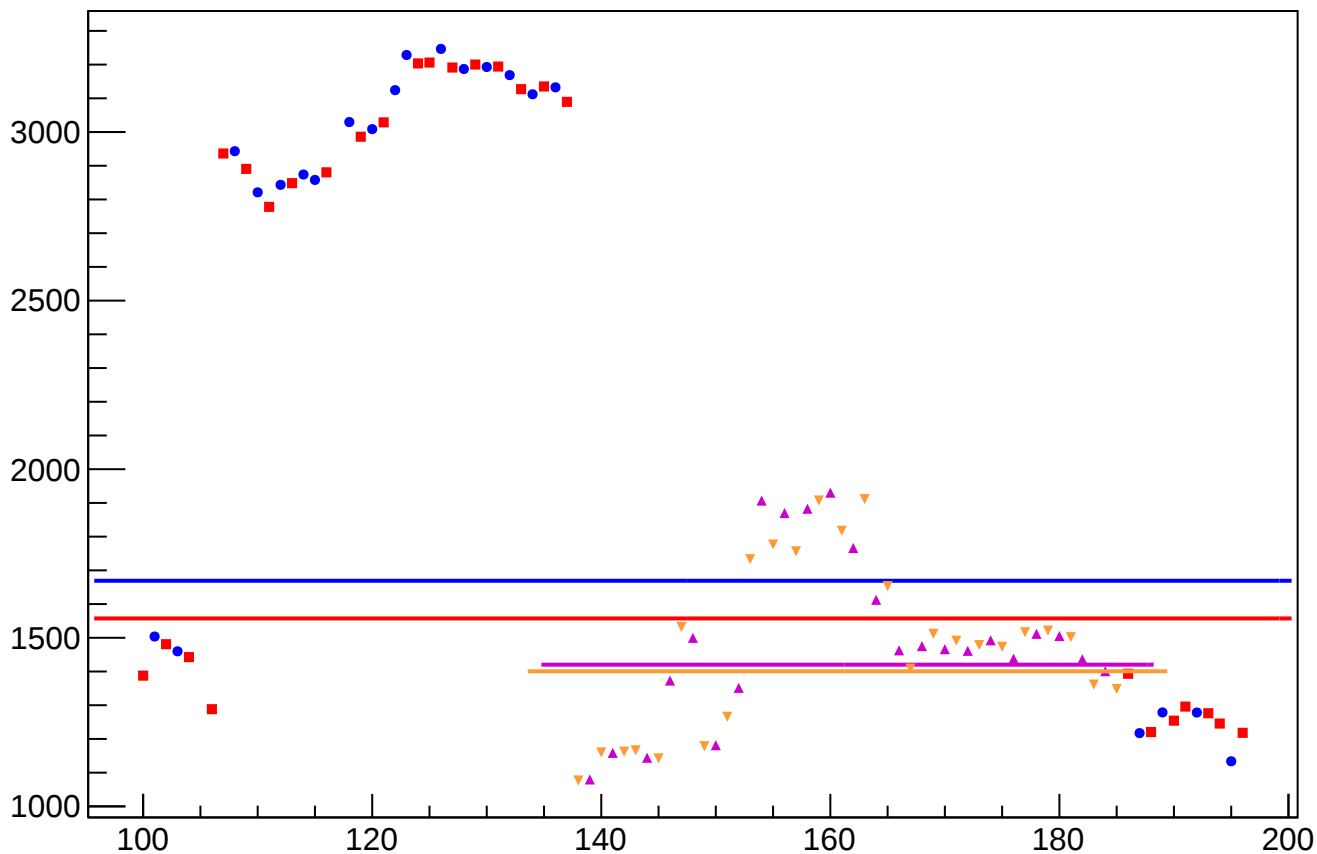
Left In: -3.171 ± 0.346 χ^2/NDF : 487.3/22

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

All: -2.471 ± 0.203 χ^2/NDF : 2595.6/94

- sign 0.514 ± 0.285 χ^2/NDF : 1566.3/48

diff_bpm0r03Y_rms vs Slug



Right In: 1669.174+/-0.428 χ^2/NDF : 3020683.7/20

Left Out: 1400.637+/-0.235 χ^2/NDF : 1037921.6/24

Right Out: 1557.339+/-0.353 χ^2/NDF : 3249260.6/25

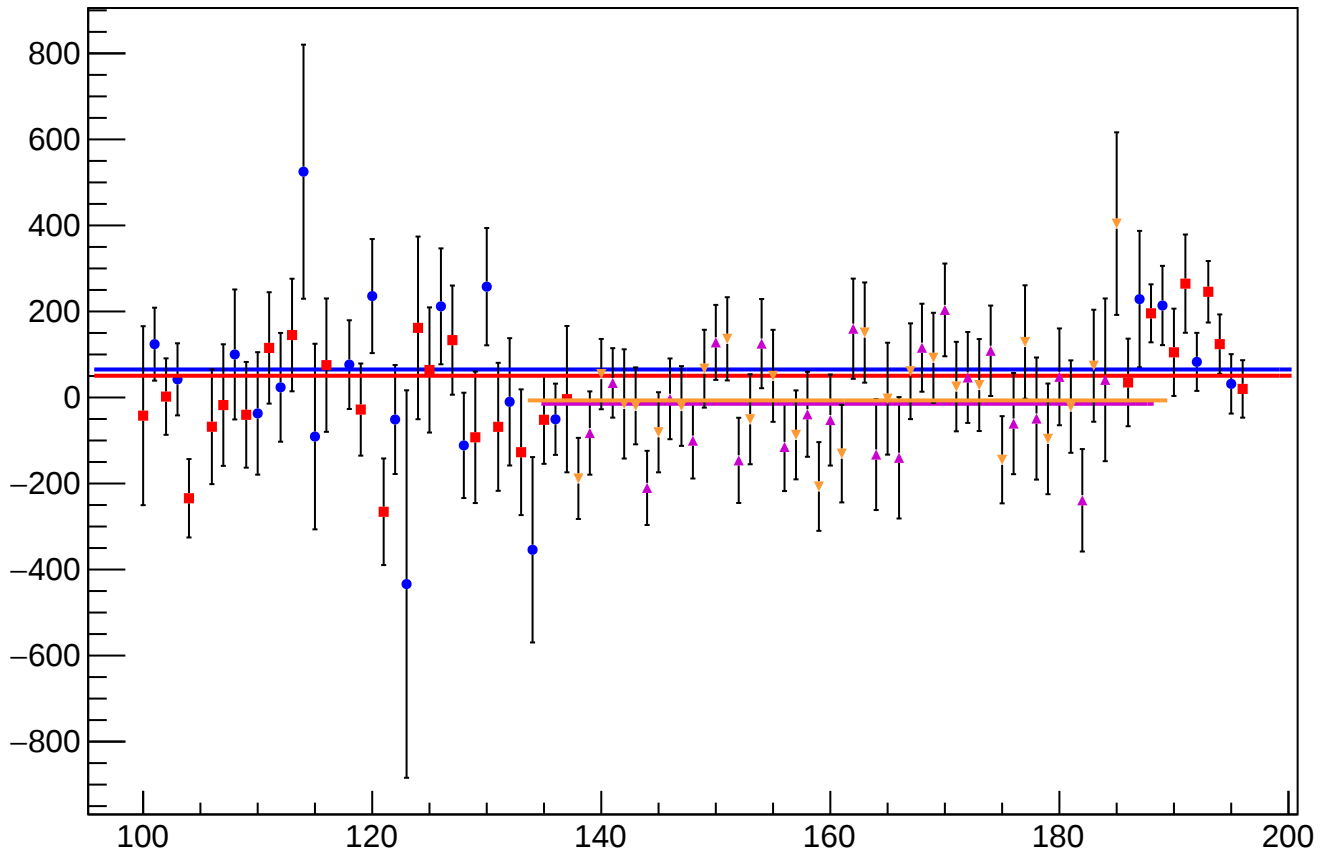
Left In: 1420.285+/-0.245 χ^2/NDF : 905186.2/22

+ sign 1462.590+/-0.206 χ^2/NDF : 4360815.3/45

All: 1463.739+/-0.144 χ^2/NDF : 8617066.3/94

- sign 1464.838+/-0.201 χ^2/NDF : 4256190.0/48

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: 50.537 $\pm$ 20.987 χ^2 /NDF: 41.7/25

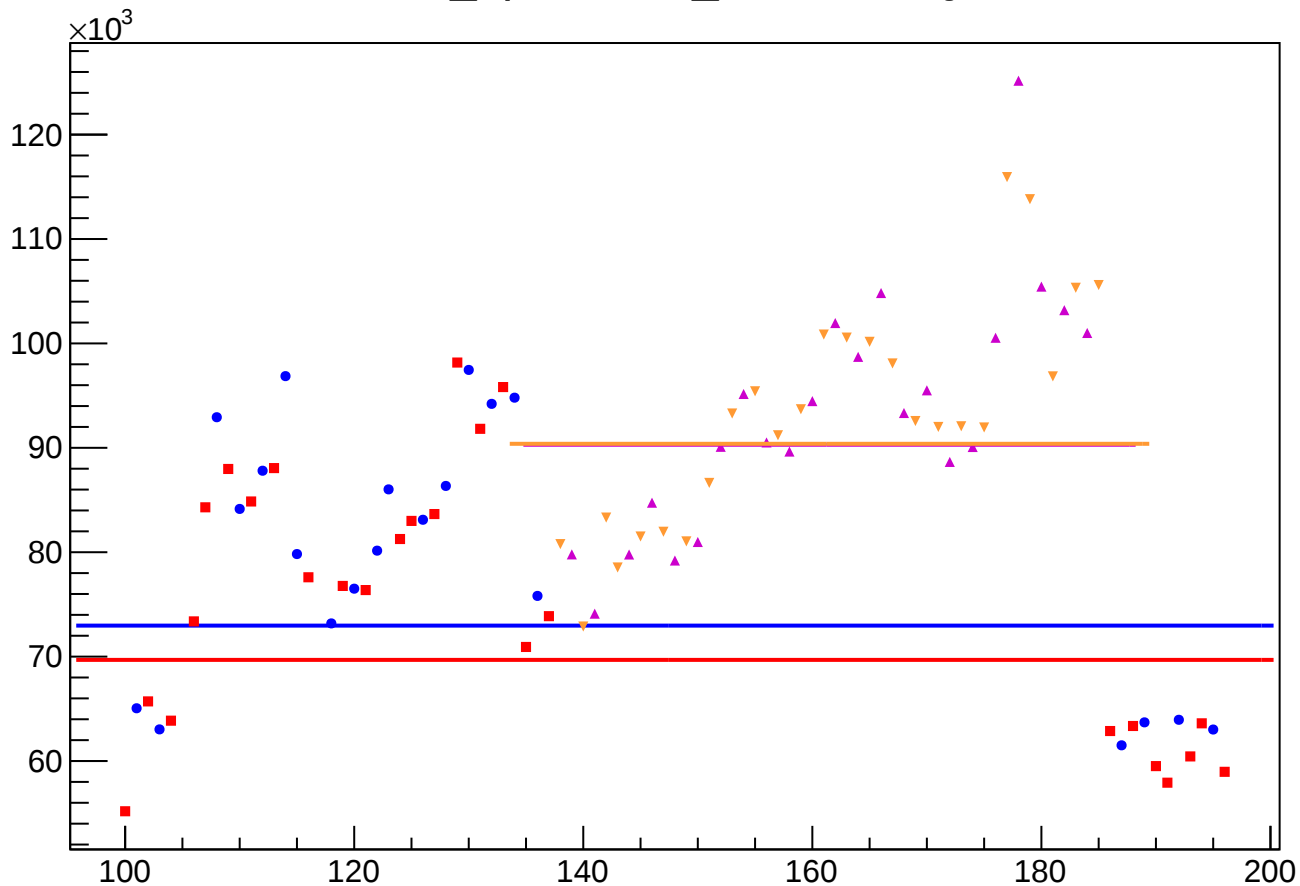
Left In: -14.611 $\pm$ 21.846 χ^2 /NDF:29.8/22

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

All: 21.496 $\pm$ 11.009 χ^2 /NDF: 129.0/94

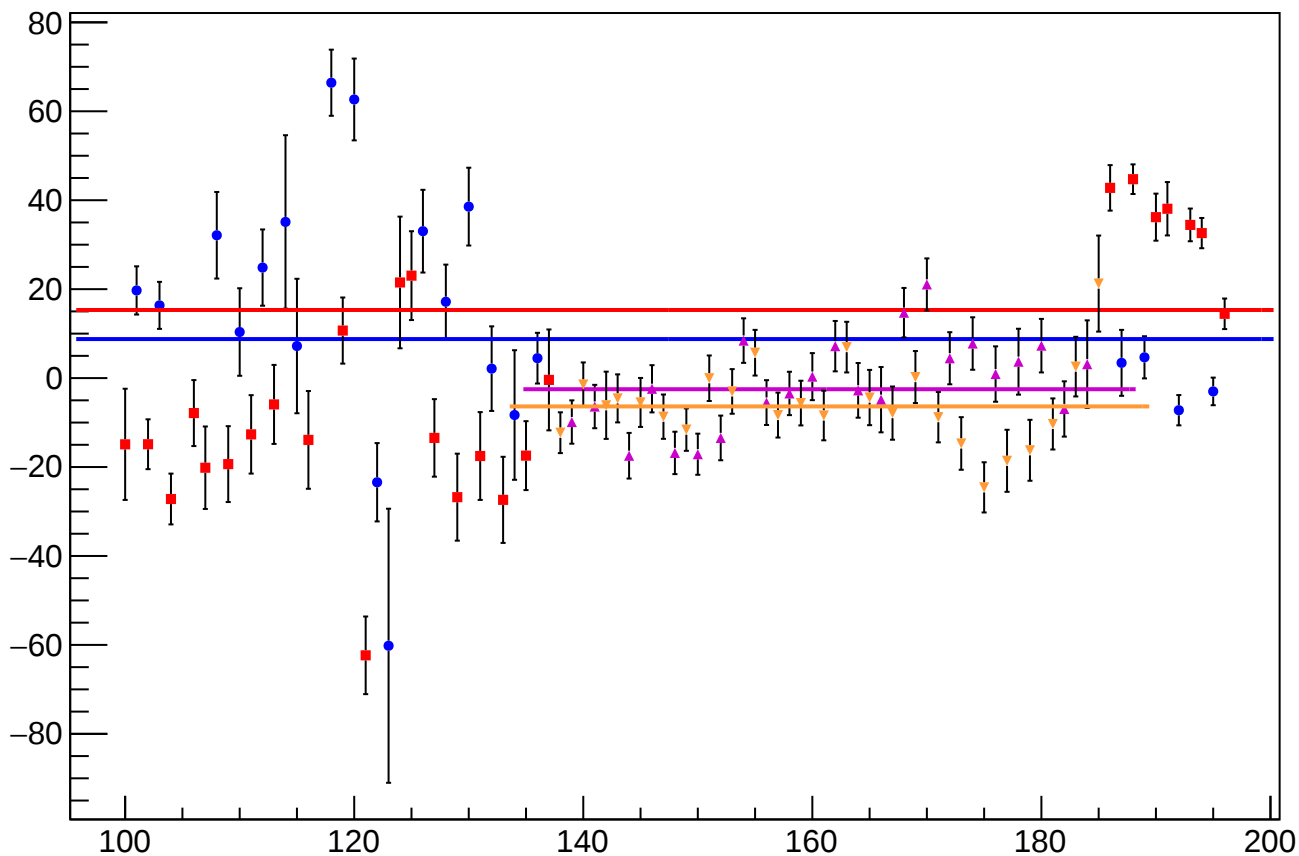
- sign 19.270 $\pm$ 15.135 χ^2 /NDF: 76.2/48

diff_bpm0r05X_rms vs Slug



Right In: 72970.697 $\pm$ 17.337	χ^2 /NDF: 416737.3/20	+ sign 82929.841 $\pm$ 11.344	χ^2 /NDF: 1455379.5/45
Left Out: 90384.853 $\pm$ 15.000	χ^2 /NDF: 461648.2/24	All: 81156.036 $\pm$ 7.784	χ^2 /NDF: 3458454.6/9
Right Out: 69687.603 $\pm$ 14.840	χ^2 /NDF: 570143.2/25	- sign 79577.283 $\pm$ 10.702	χ^2 /NDF: 1956860.1/48
Left In: 90293.591 $\pm$ 15.448	χ^2 /NDF: 461337.5/22		

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: 15.316 ± 1.197 χ^2/NDF : 503.6/25

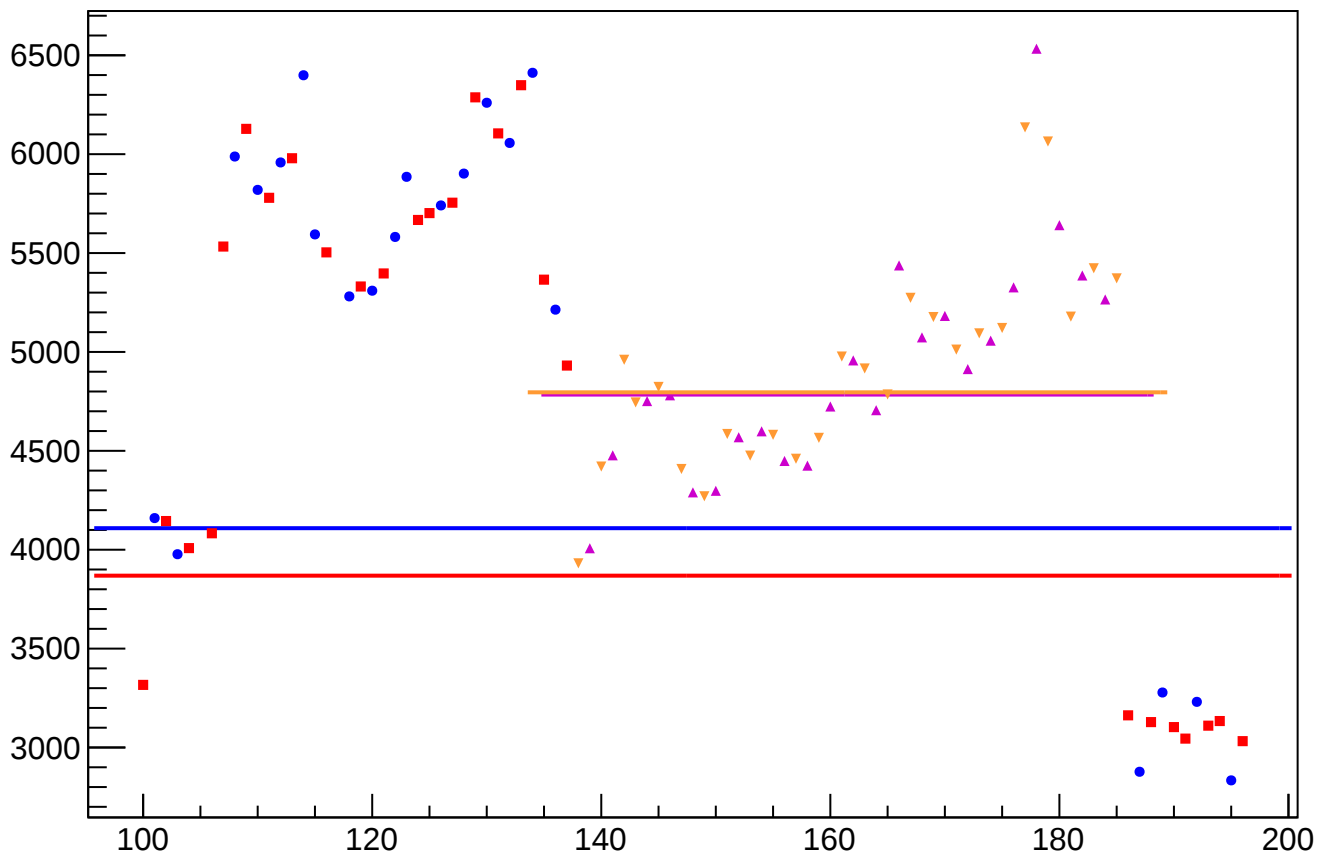
Left In: -2.501 ± 1.156 χ^2/NDF : 78.4/22

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

All: 2.967 ± 0.605 χ^2/NDF : 1031.6/94

- sign 6.096 ± 0.832 χ^2/NDF : 696.7/48

diff_bpm0r05Y_rms vs Slug



Right In: 4108.896 $\pm$ 1.007 χ^2 /NDF: 1493371.8/20

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

Right Out: 3868.831 $\pm$ 0.846 χ^2 /NDF: 1758253.0/25

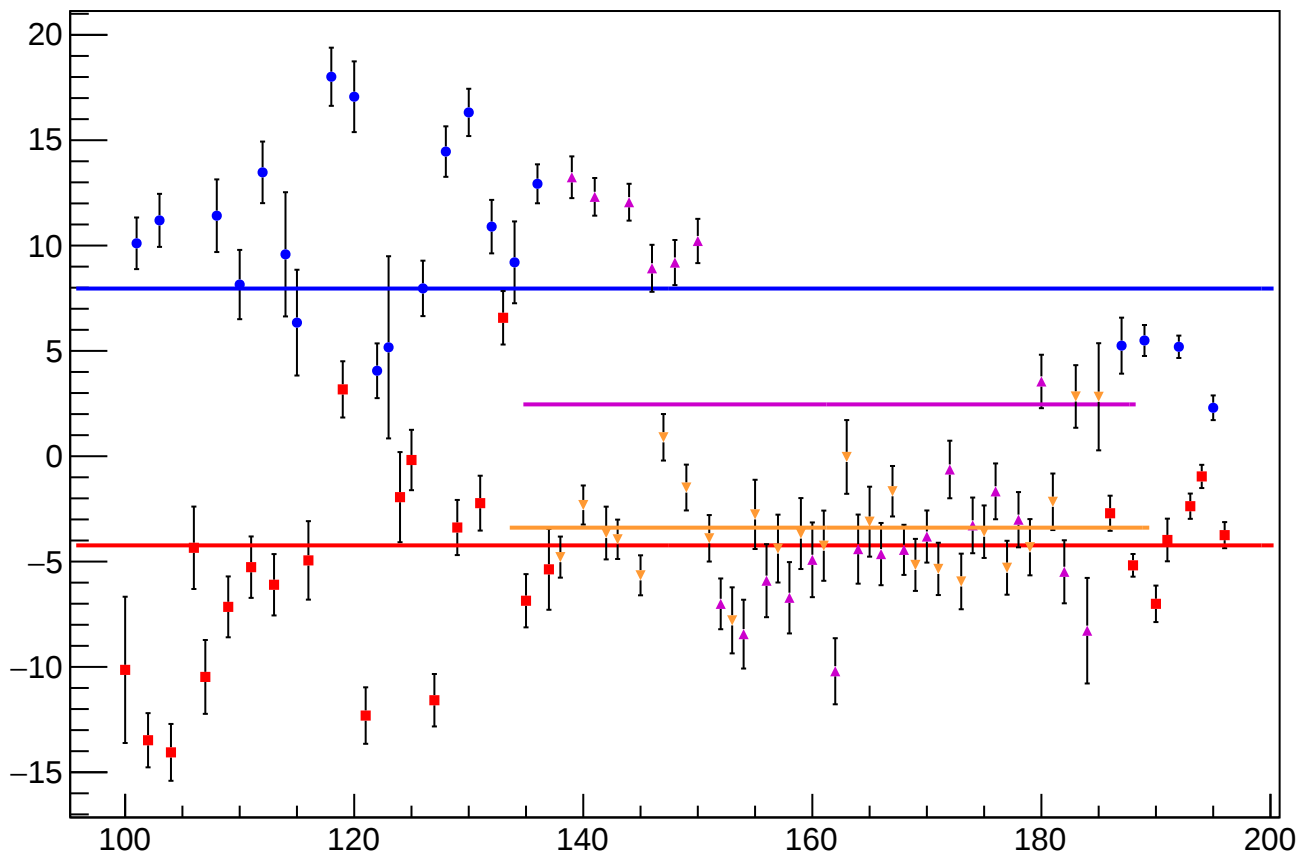
Left In: 4784.434 $\pm$ 0.817 χ^2 /NDF:357507.2/22

+ sign 4532.101 $\pm$ 0.624 χ^2 /NDF: 2141508.2/45

All: 4431.784 $\pm$ 0.428 χ^2 /NDF: 4911595.4/94

- sign 4342.645 $\pm$ 0.588 χ^2 /NDF: 2721238.2/48

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: -4.232 ± 0.202 $\chi^2/\text{NDF}: 379.9/25$

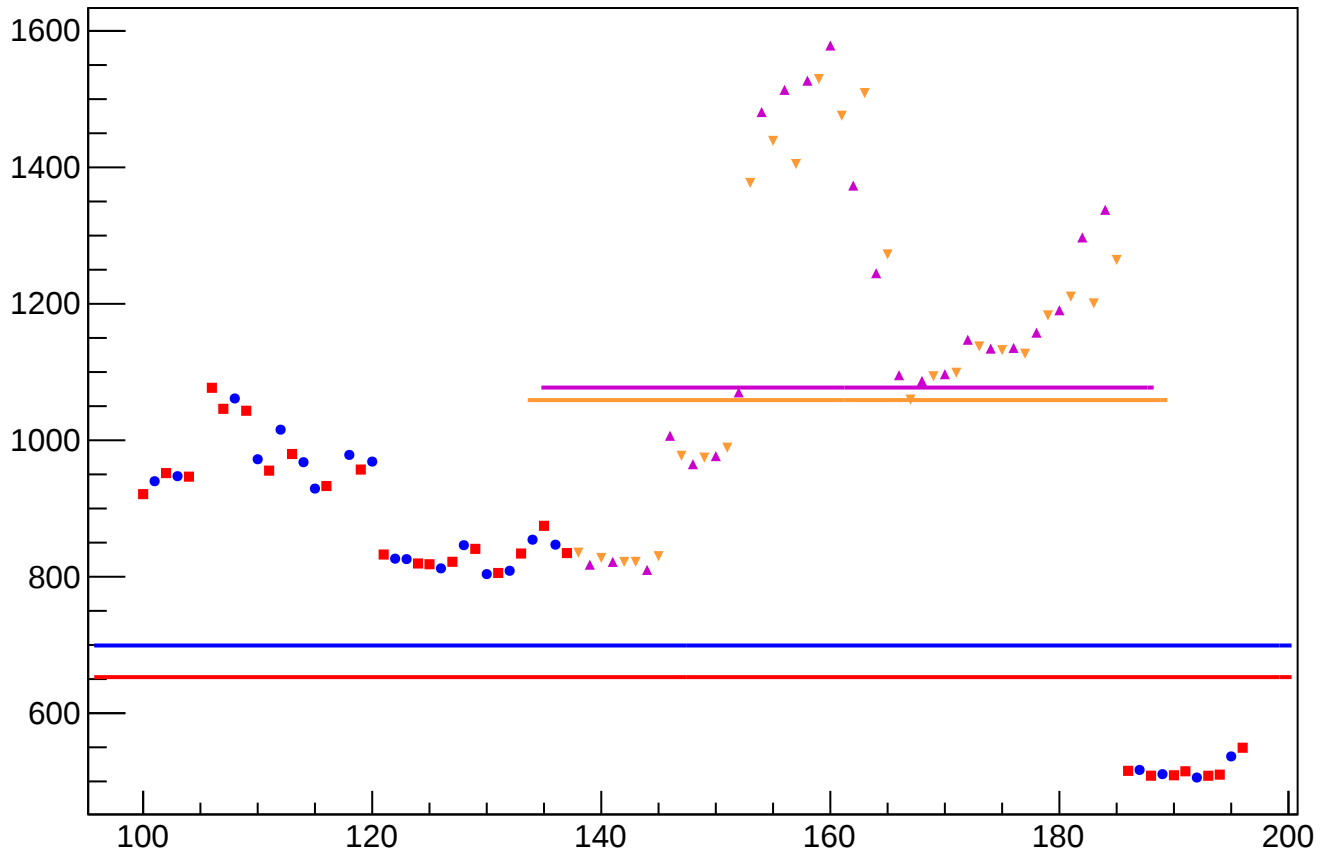
Left In: 2.461 ± 0.264 $\chi^2/\text{NDF}: 928.0/22$

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

All: 0.214 ± 0.118 $\chi^2/\text{NDF}: 3559.7/94$

- sign -1.769 ± 0.160 $\chi^2/\text{NDF}: 1712.9/48$

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: 652.872 $\pm$ 0.143 χ^2 /NDF: 1789755.3/25

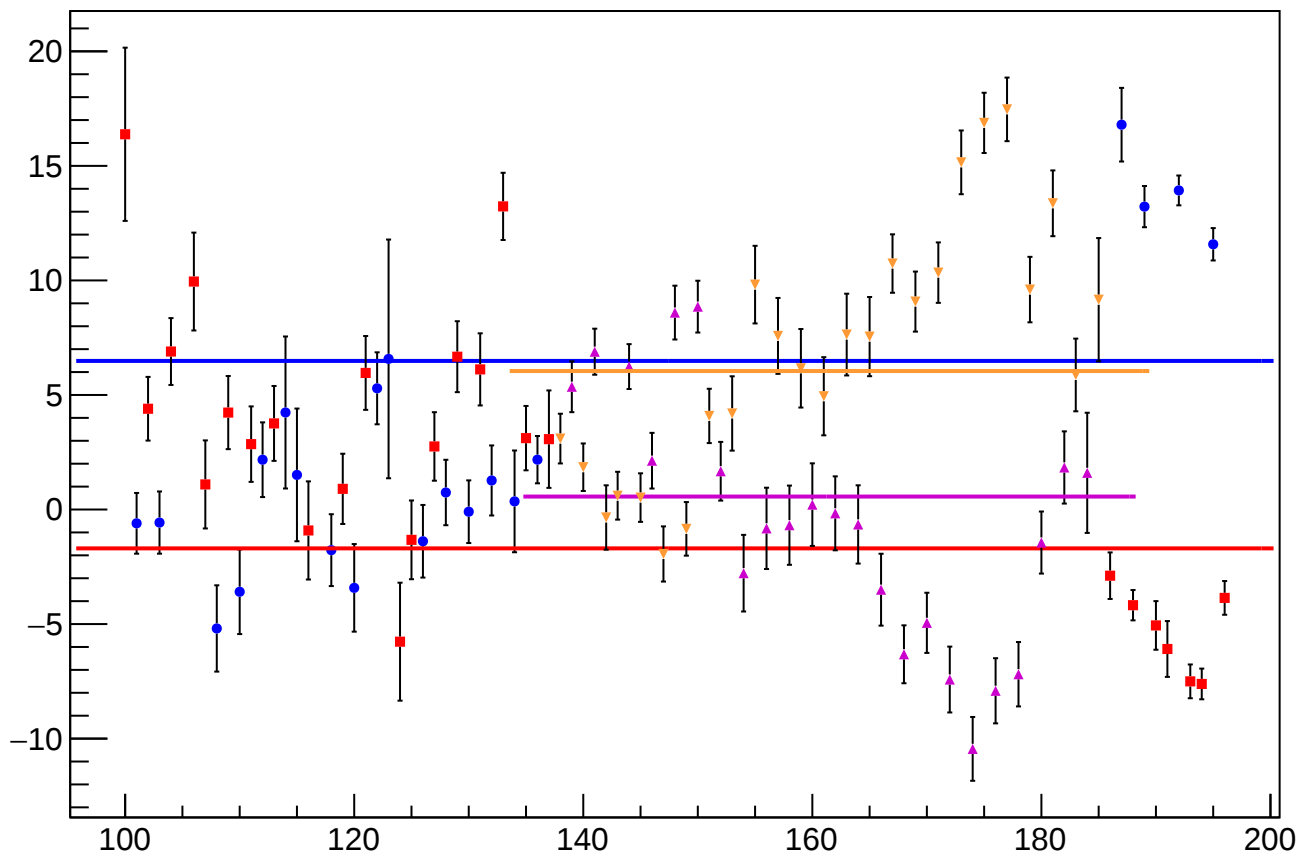
Left In: 1077.284 $\pm$ 0.187 χ^2 /NDF:1280349.9/22

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

All: 837.305 $\pm$ 0.083 χ^2 /NDF: 11305212.0/94

- sign 809.054 $\pm$ 0.113 χ^2 /NDF: 6327850.4/48

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: -1.696 ± 0.240 $\chi^2/\text{NDF}: 539.5/25$

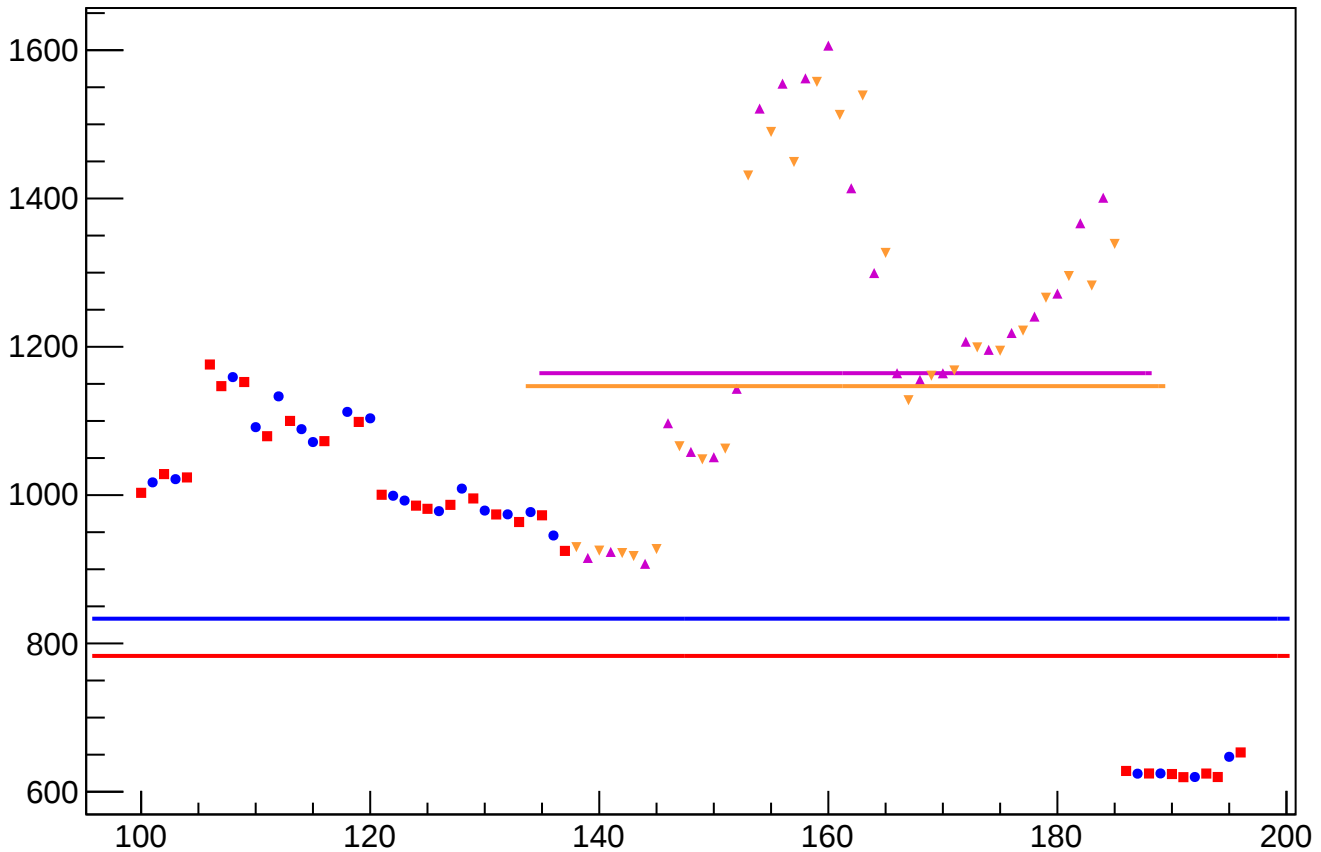
Left In: 0.566 ± 0.284 $\chi^2/\text{NDF}: 417.0/22$

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

All: 2.508 ± 0.134 $\chi^2/\text{NDF}: 2676.5/94$

- sign -0.755 ± 0.183 $\chi^2/\text{NDF}: 993.4/48$

diff_bpm2i01Y_rms vs Slug



Right In: 833.364 $\pm$ 0.201 χ^2 /NDF: 1010196.5/20

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

Right Out: 783.154 $\pm$ 0.170 χ^2 /NDF: 1402784.7/25

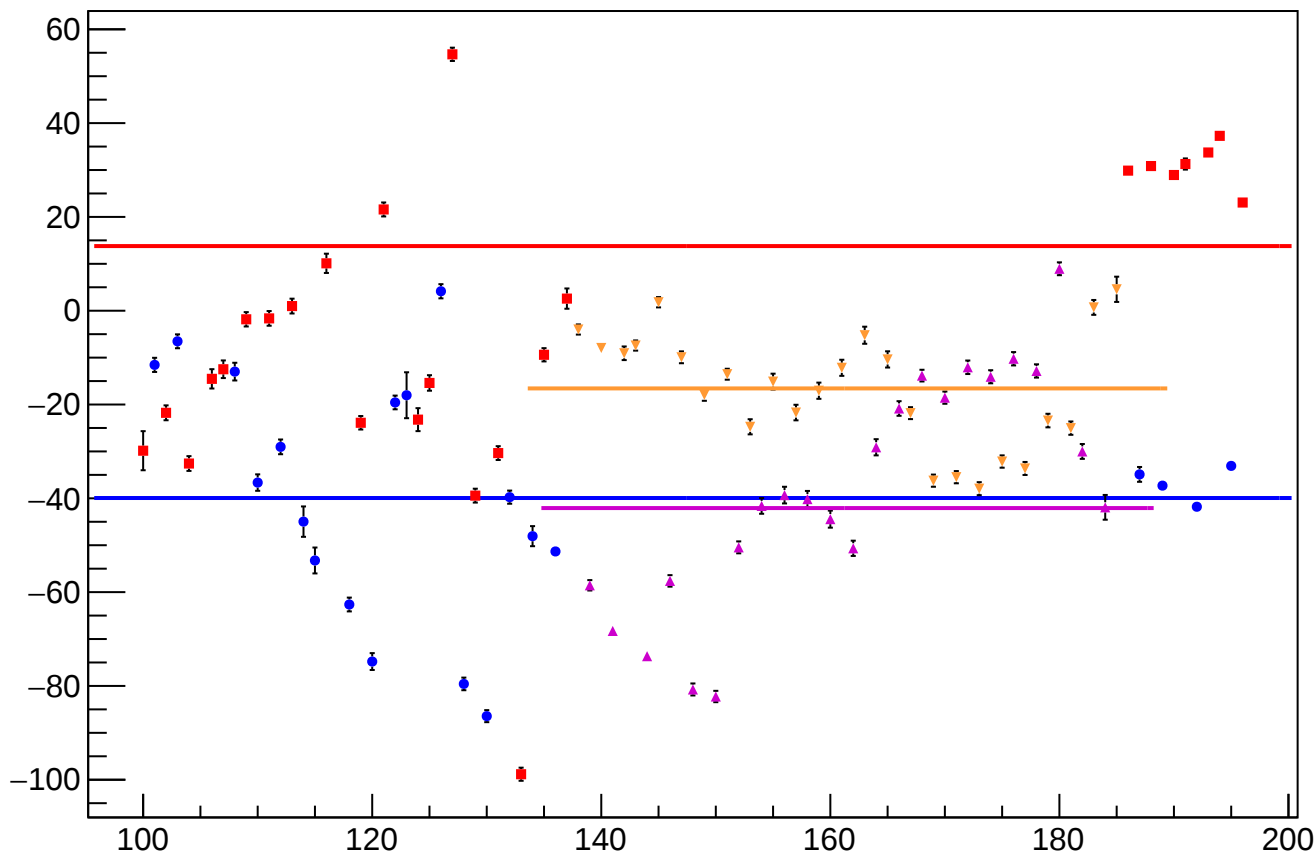
Left In: 1164.432 $\pm$ 0.201 χ^2 /NDF: 944112.0/22

+ sign 997.282 $\pm$ 0.139 χ^2 /NDF: 3327906.4/45

All: 967.602 $\pm$ 0.095 χ^2 /NDF: 7863594.7/94

- sign 941.766 $\pm$ 0.130 χ^2 /NDF: 4450266.0/48

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: 13.782 ± 0.234 $\chi^2/\text{NDF}: 16798.3/25$

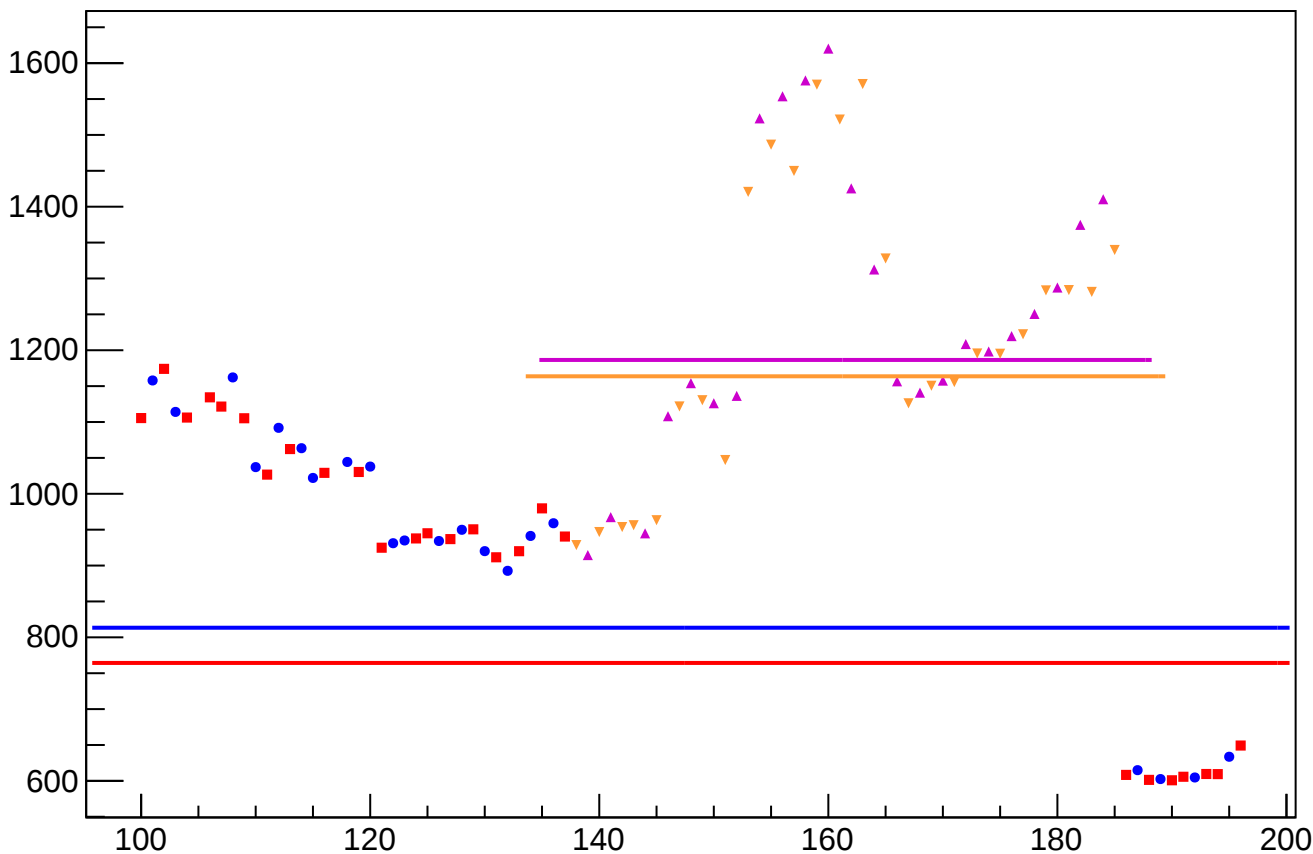
Left In: -42.077 ± 0.289 $\chi^2/\text{NDF}: 8332.3/22$

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

All: -17.537 ± 0.133 $\chi^2/\text{NDF}: 63907.0/94$

- sign -8.357 ± 0.182 $\chi^2/\text{NDF}: 47667.7/48$

diff_bpm2i02X_rms vs Slug



Right In: 813.390 $\pm$ 0.197 χ^2 /NDF: 1068372.7/20

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

Right Out: 764.320 $\pm$ 0.166 χ^2 /NDF: 1449271.9/25

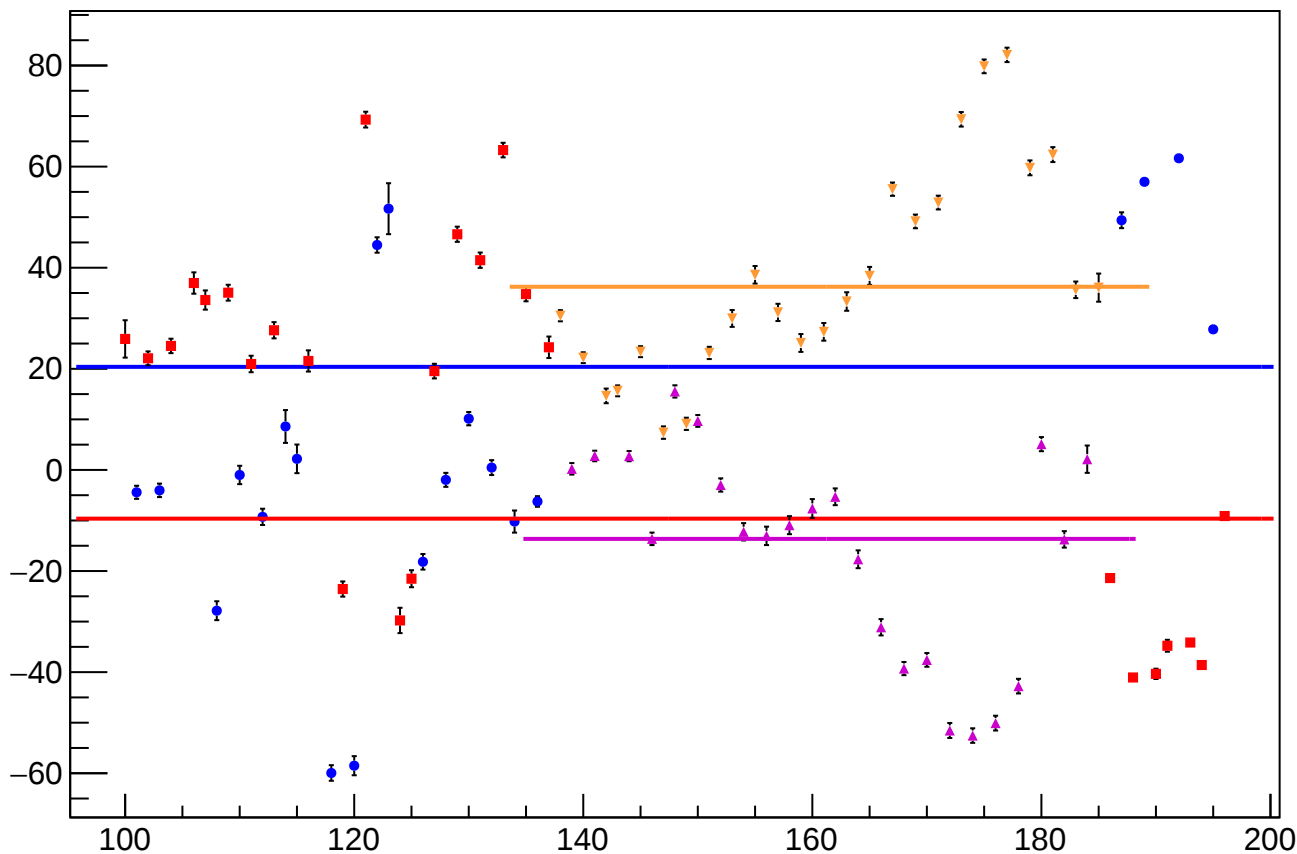
Left In: 1186.476 $\pm$ 0.204 χ^2 /NDF:833420.3/22

+ sign 990.226 $\pm$ 0.138 χ^2 /NDF: 3608418.8/45

All: 958.829 $\pm$ 0.094 χ^2 /NDF: 8561791.7/94

- sign 931.639 $\pm$ 0.129 χ^2 /NDF: 4857190.0/48

diff_bpm2i02Y_mean vs Slug



Right In: 20.390 ± 0.277 $\chi^2/\text{NDF}: 15174.4/20$

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

Right Out: -9.636 ± 0.233 $\chi^2/\text{NDF}: 20749.3/25$

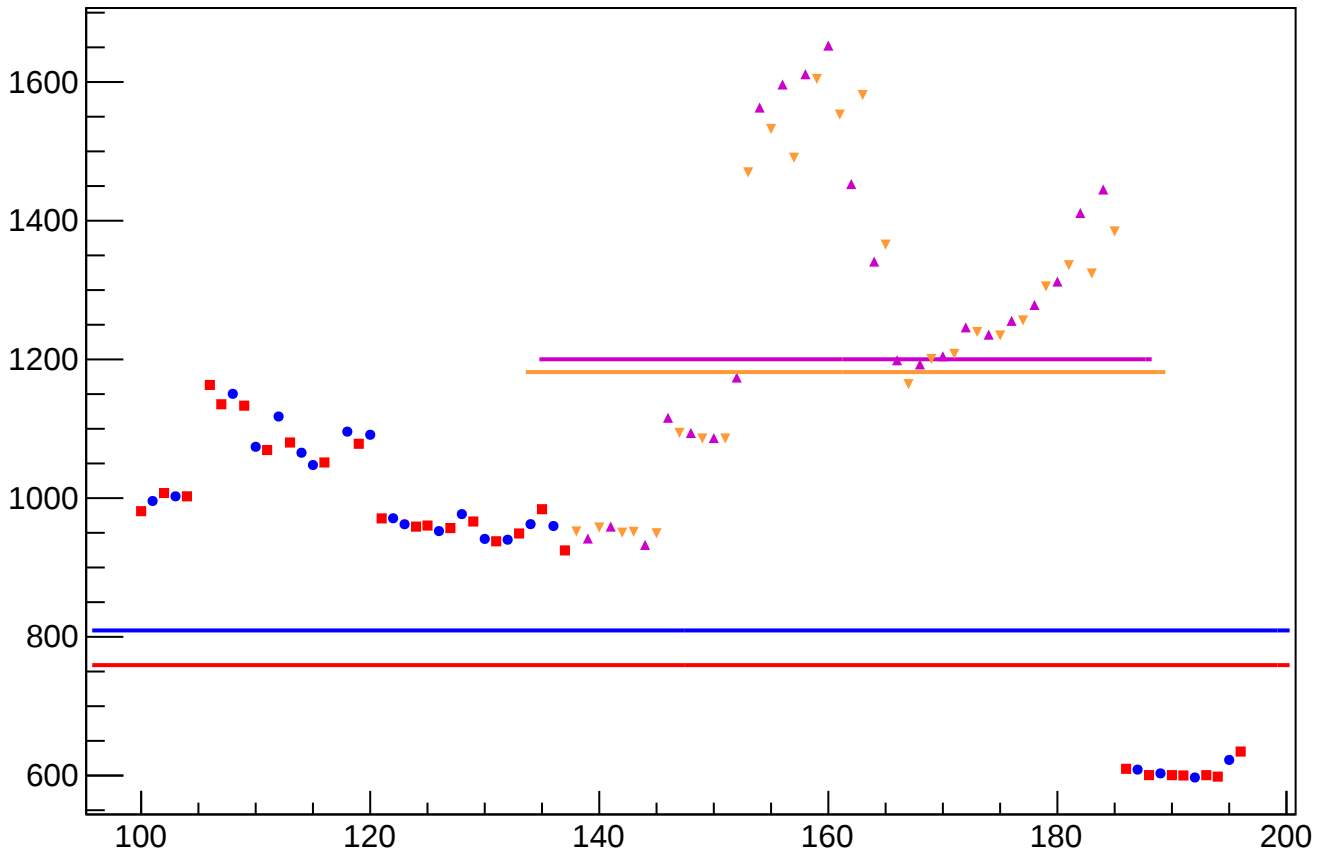
Left In: -13.640 ± 0.293 $\chi^2/\text{NDF}: 5178.0/22$

+ sign 28.221 ± 0.197 $\chi^2/\text{NDF}: 22589.5/45$

All: 7.014 ± 0.134 $\chi^2/\text{NDF}: 70219.7/94$

- sign -11.188 ± 0.182 $\chi^2/\text{NDF}: 26041.7/48$

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: 759.225 $\pm$ 0.165 χ^2 /NDF: 1495074.7/25

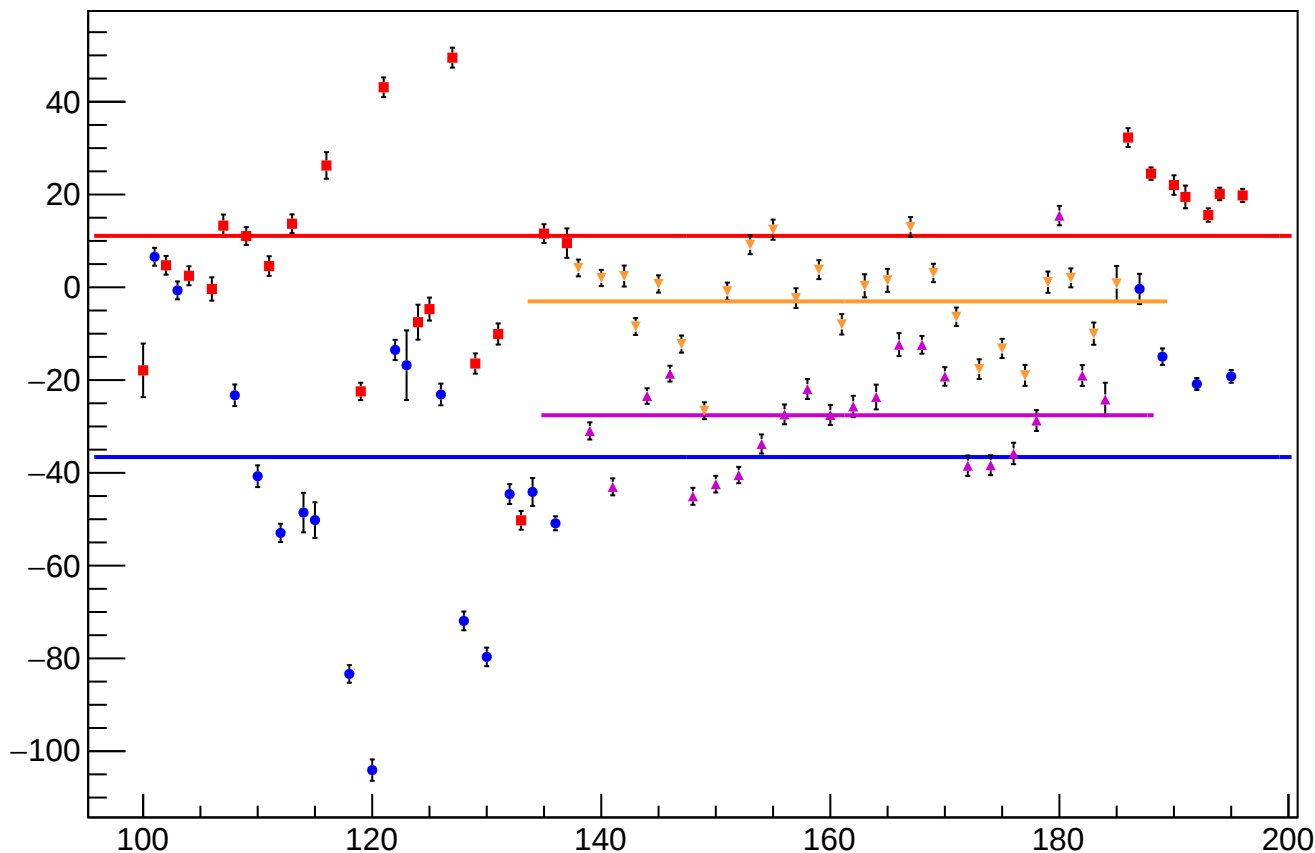
Left In: 1200.198 $\pm$ 0.207 χ^2 /NDF:938224.7/22

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

All: 959.325 $\pm$ 0.095 χ^2 /NDF: 9247675.6/94

- sign 930.139 $\pm$ 0.129 χ^2 /NDF: 5211602.6/48

diff_bpm0i02X_mean vs Slug



Right In: -36.592 ± 0.449 $\chi^2/\text{NDF}: 4048.9/20$

Left Out: -3.037 ± 0.415 $\chi^2/\text{NDF}: 555.6/24$

Right Out: 11.089 ± 0.396 $\chi^2/\text{NDF}: 2558.3/25$

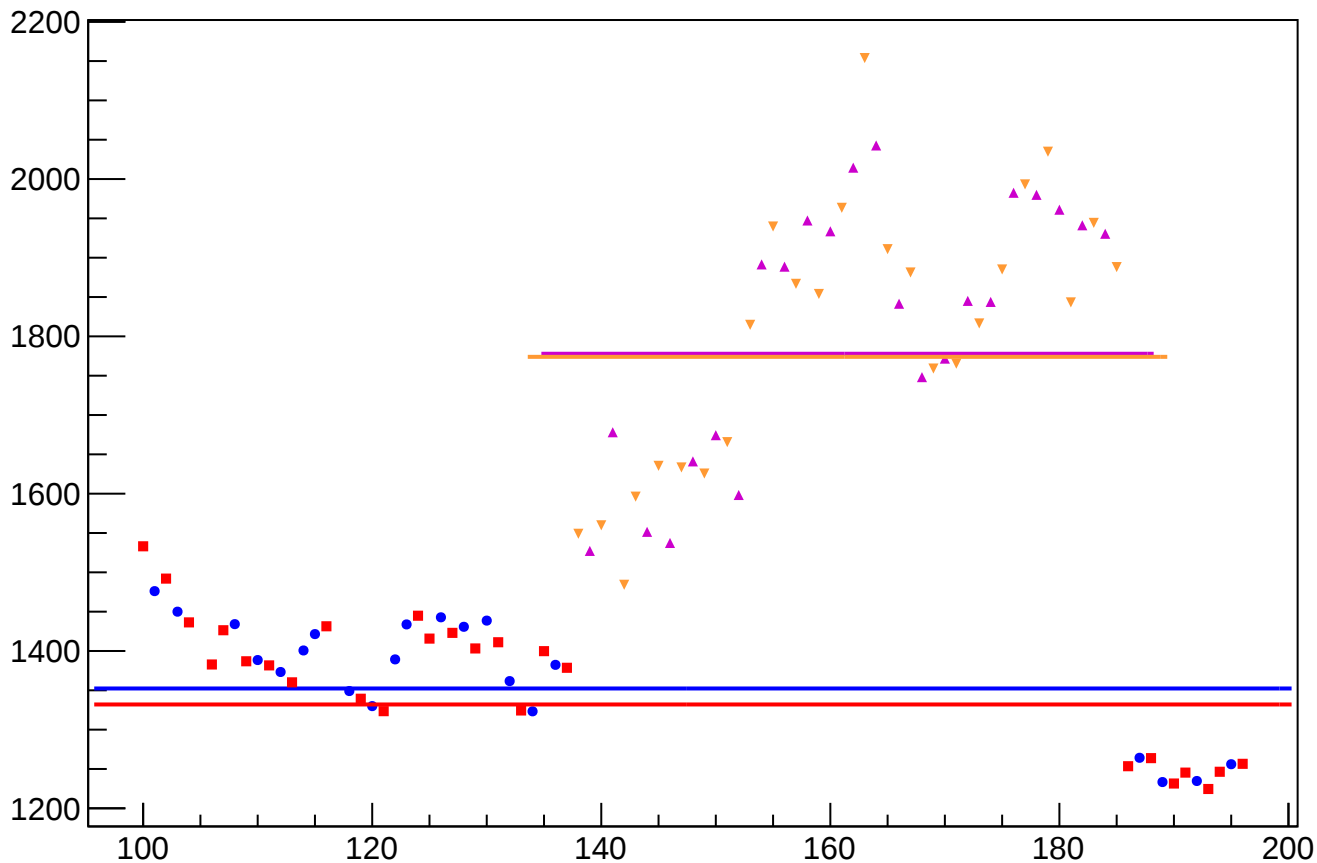
Left In: -27.583 ± 0.429 $\chi^2/\text{NDF}: 960.1/22$

+ sign -18.500 ± 0.305 $\chi^2/\text{NDF}: 7616.1/45$

All: -12.317 ± 0.210 $\chi^2/\text{NDF}: 16311.4/94$

- sign -6.686 ± 0.291 $\chi^2/\text{NDF}: 7908.9/48$

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: 1332.010 $\pm$ 0.280 χ^2 /NDF: 84800.2/25

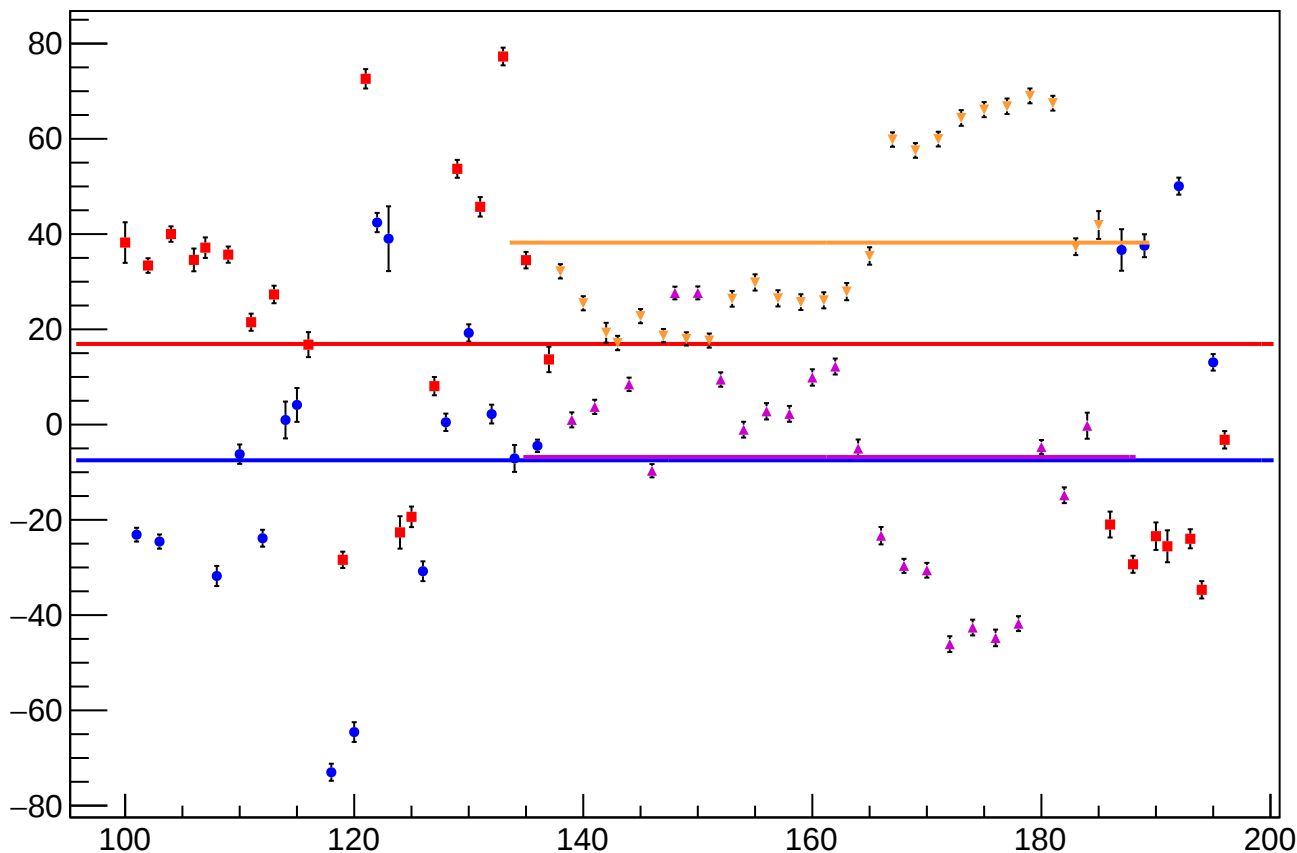
Left In: 1777.884 $\pm$ 0.303 χ^2 /NDF: 299514.0/22

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

All: 1557.308 $\pm$ 0.149 χ^2 /NDF: 2902129.2/94

- sign 1536.947 $\pm$ 0.206 χ^2 /NDF: 1551610.3/48

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: 16.930 ± 0.398 χ^2/NDF : 6843.4/25

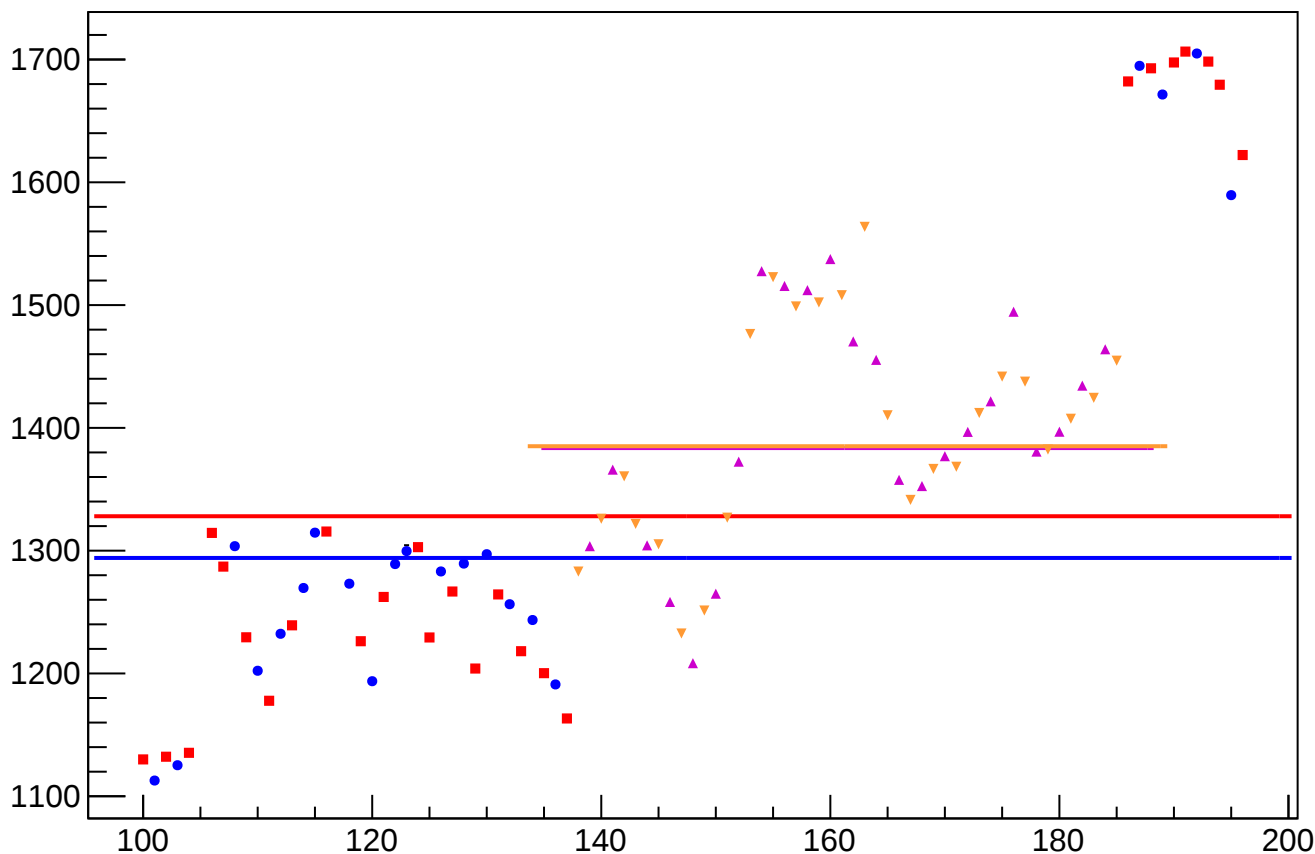
Left In: -6.808 ± 0.333 χ^2/NDF : 4494.5/22

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

All: 12.262 ± 0.182 χ^2/NDF : 32035.5/94

- sign 2.952 ± 0.256 χ^2/NDF : 13427.5/48

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: 1328.039+/-0.282 χ^2/NDF : 513323.4/25

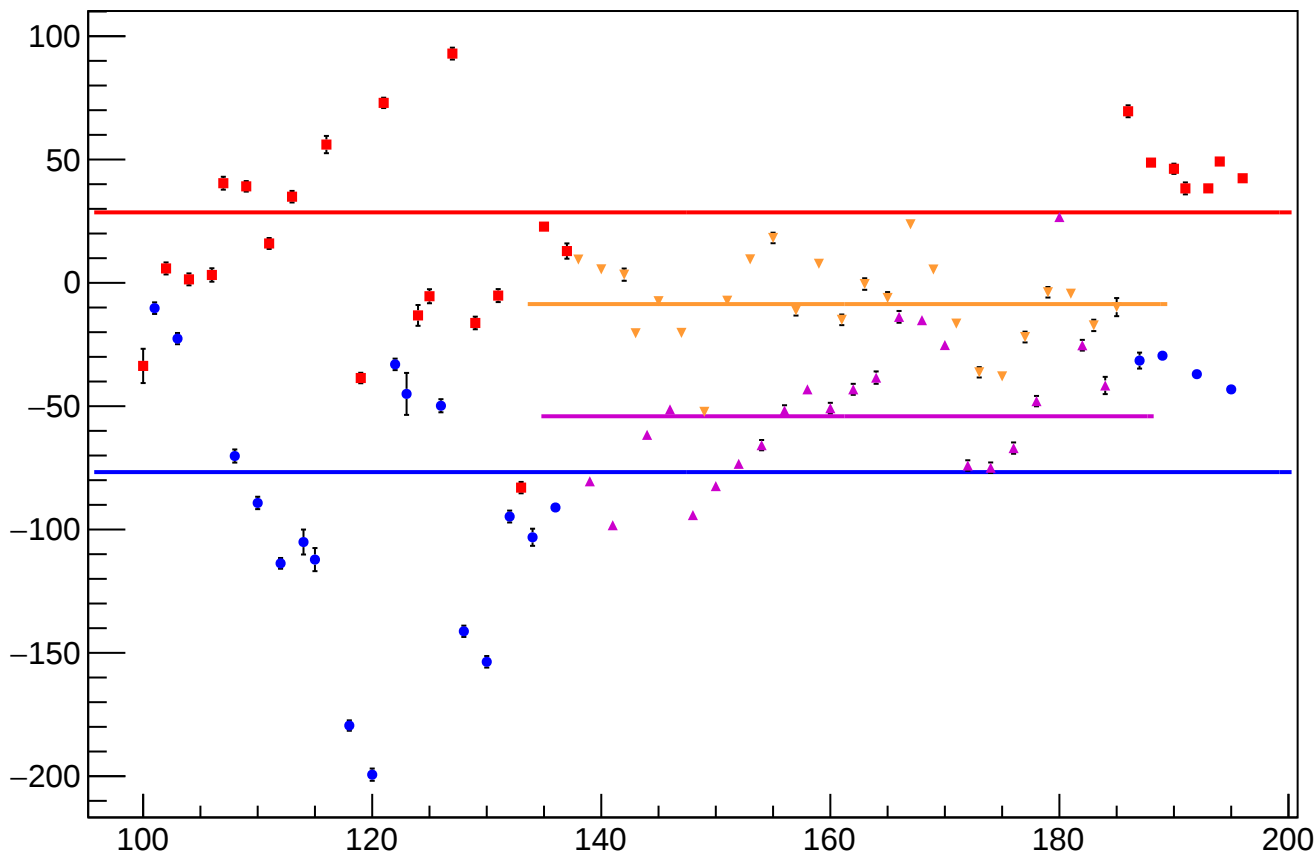
Left In: 1383.558+/-0.235 χ^2/NDF :154696.0/22

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

All: 1356.651+/-0.129 χ^2/NDF : 1206369.1/94

- sign 1360.730+/-0.181 χ^2/NDF : 690879.8/48

diff_bpm0i02aX_mean vs Slug



Right In: -76.723 $\pm$ 0.488 χ^2 /NDF: 11463.5/20

Left Out: -8.606 $\pm$ 0.410 χ^2 /NDF:1930.5/24

Right Out: 28.572 $\pm$ 0.428 χ^2 /NDF: 6708.4/25

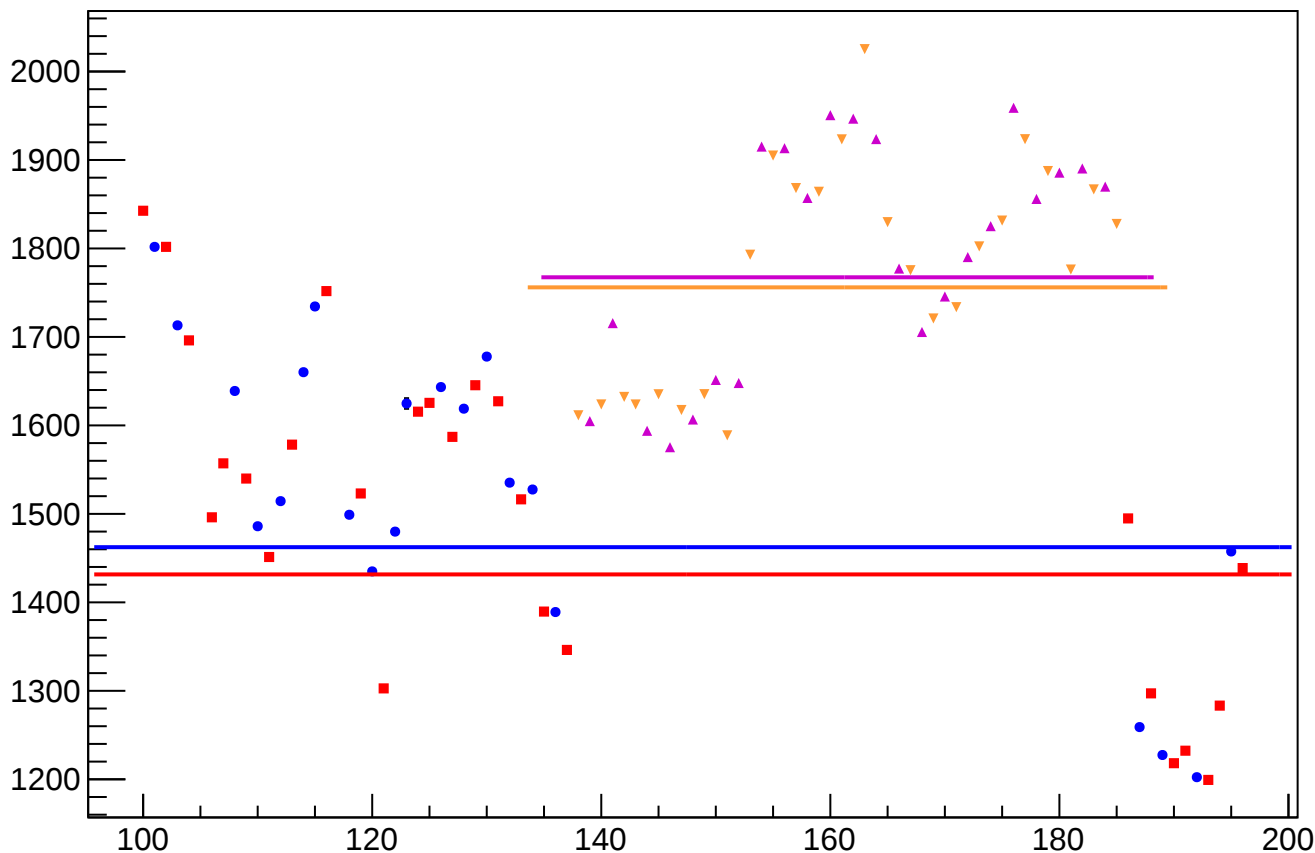
Left In: -54.089 $\pm$ 0.426 χ^2 /NDF:4721.6/22

+ sign -36.793 $\pm$ 0.314 χ^2 /NDF: 24803.9/45

All: -24.389 $\pm$ 0.218 χ^2 /NDF: 58004.9/94

- sign -12.946 $\pm$ 0.302 χ^2 /NDF: 30202.2/48

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: 1431.579 $\pm$ 0.302 χ^2 /NDF: 307526.1/25

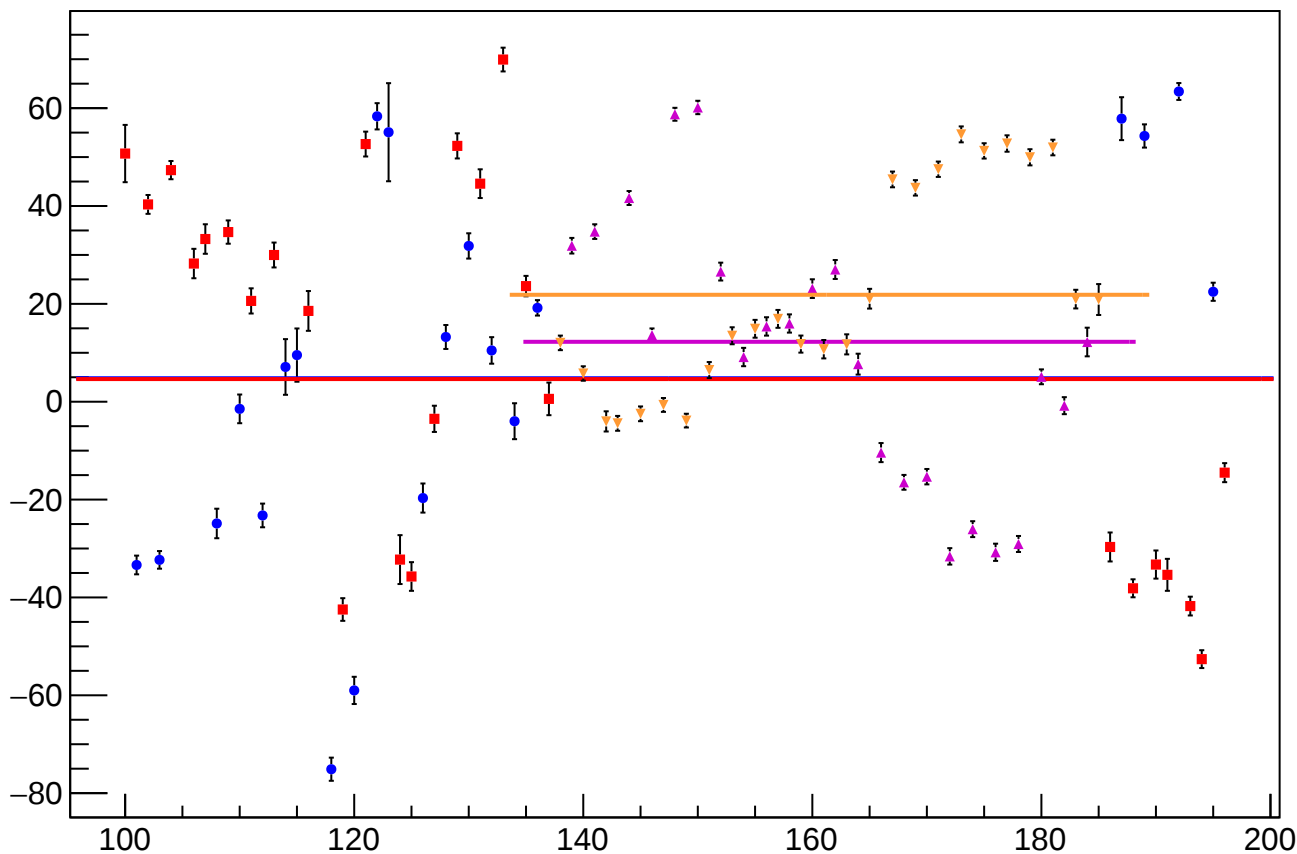
Left In: 1767.410 $\pm$ 0.301 χ^2 /NDF:187958.2/22

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

All: 1616.693 $\pm$ 0.154 χ^2 /NDF: 1985836.6/94

- sign 1600.257 $\pm$ 0.213 χ^2 /NDF: 1115188.6/48

diff_bpm0i02aY_mean vs Slug



Right In: 4.797 ± 0.543 $\chi^2/\text{NDF}: 5256.0/20$

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

Right Out: 4.629 ± 0.488 $\chi^2/\text{NDF}: 6420.5/25$

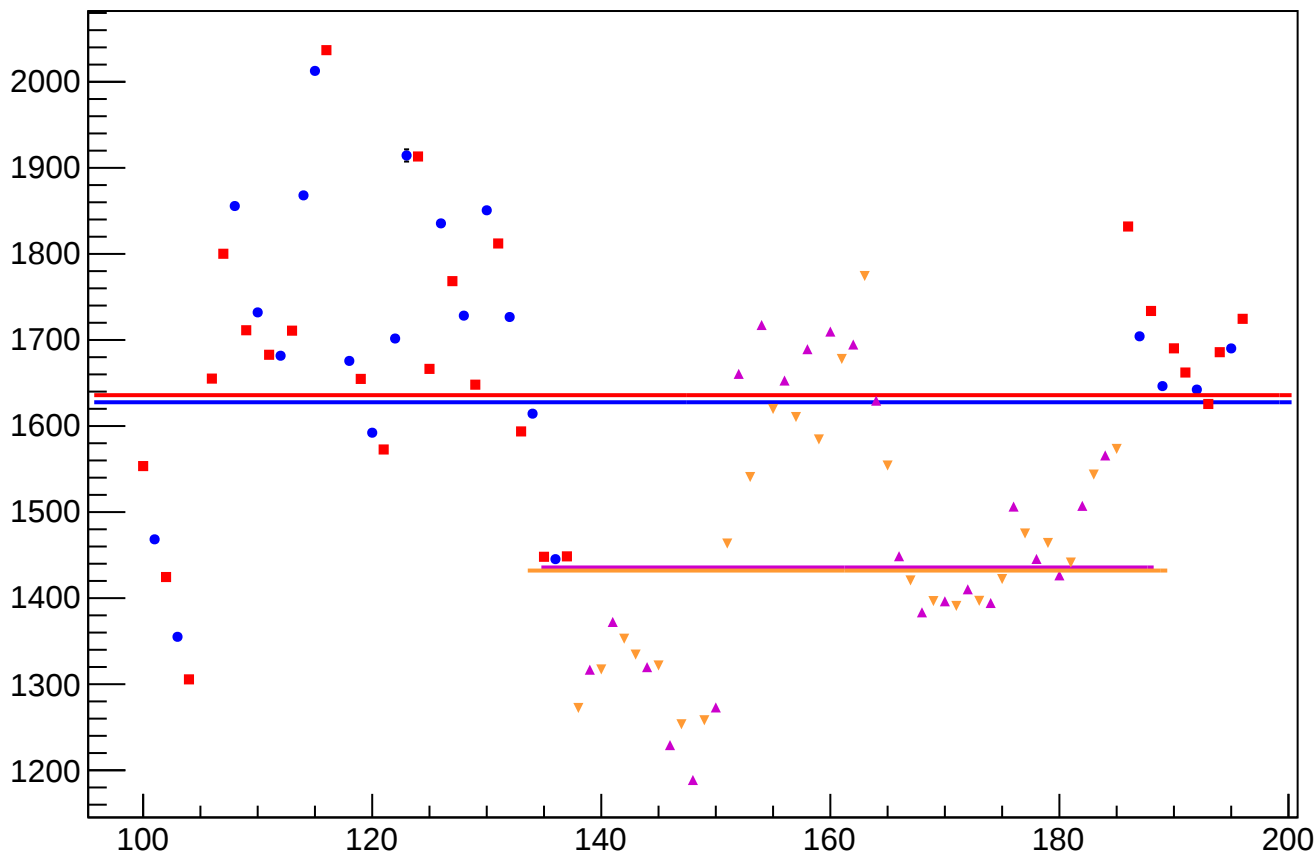
Left In: 12.246 ± 0.347 $\chi^2/\text{NDF}: 6781.6/22$

+ sign 17.140 ± 0.285 $\chi^2/\text{NDF}: 10081.9/45$

All: 13.380 ± 0.201 $\chi^2/\text{NDF}: 23790.5/94$

- sign 9.685 ± 0.283 $\chi^2/\text{NDF}: 13364.1/48$

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: 1635.865 ± 0.345 $\chi^2/\text{NDF}: 181267.7/25$

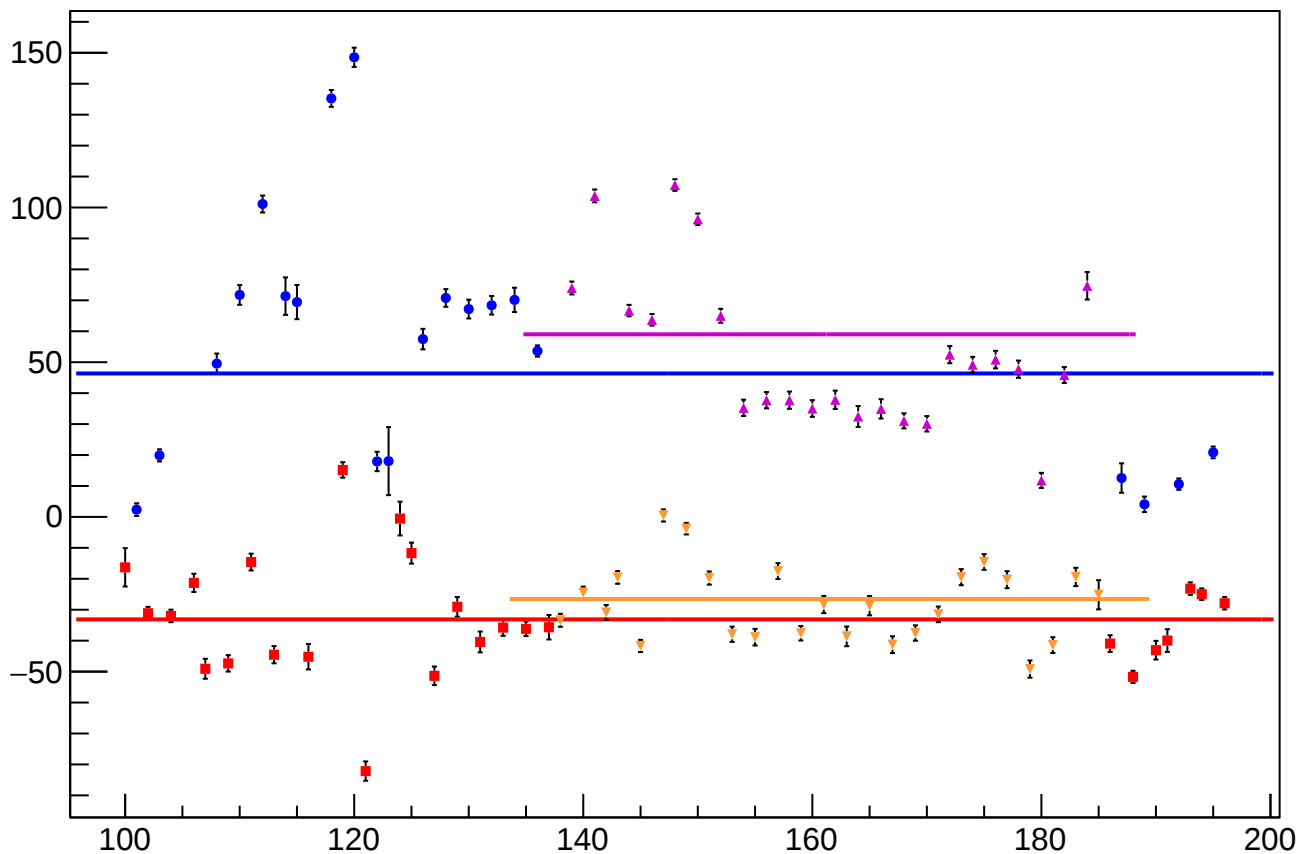
Left In: 1435.645 ± 0.245 $\chi^2/\text{NDF}: 420835.0/22$

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

All: 1494.617 ± 0.142 $\chi^2/\text{NDF}: 1467951.5/94$

- sign 1502.966 ± 0.200 $\chi^2/\text{NDF}: 825919.4/48$

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: -33.112 ± 0.526 χ^2/NDF : 1052.8/25

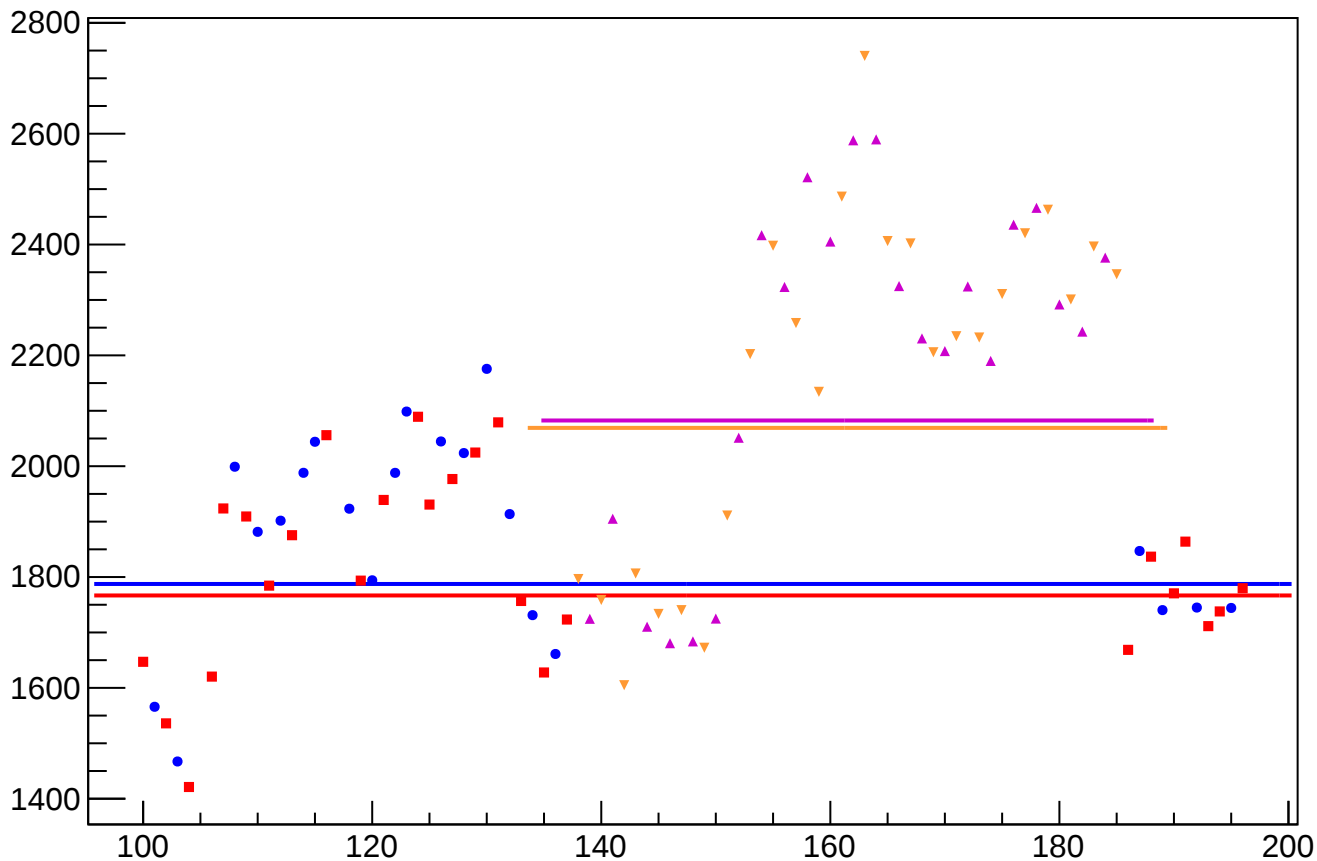
Left In: 59.014 ± 0.506 χ^2/NDF : 2783.8/22

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

All: 8.919 ± 0.262 χ^2/NDF : 34460.6/94

- sign 14.739 ± 0.365 χ^2/NDF : 19741.0/48

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: 1766.758+/-0.372 χ^2/NDF : 186546.4/25

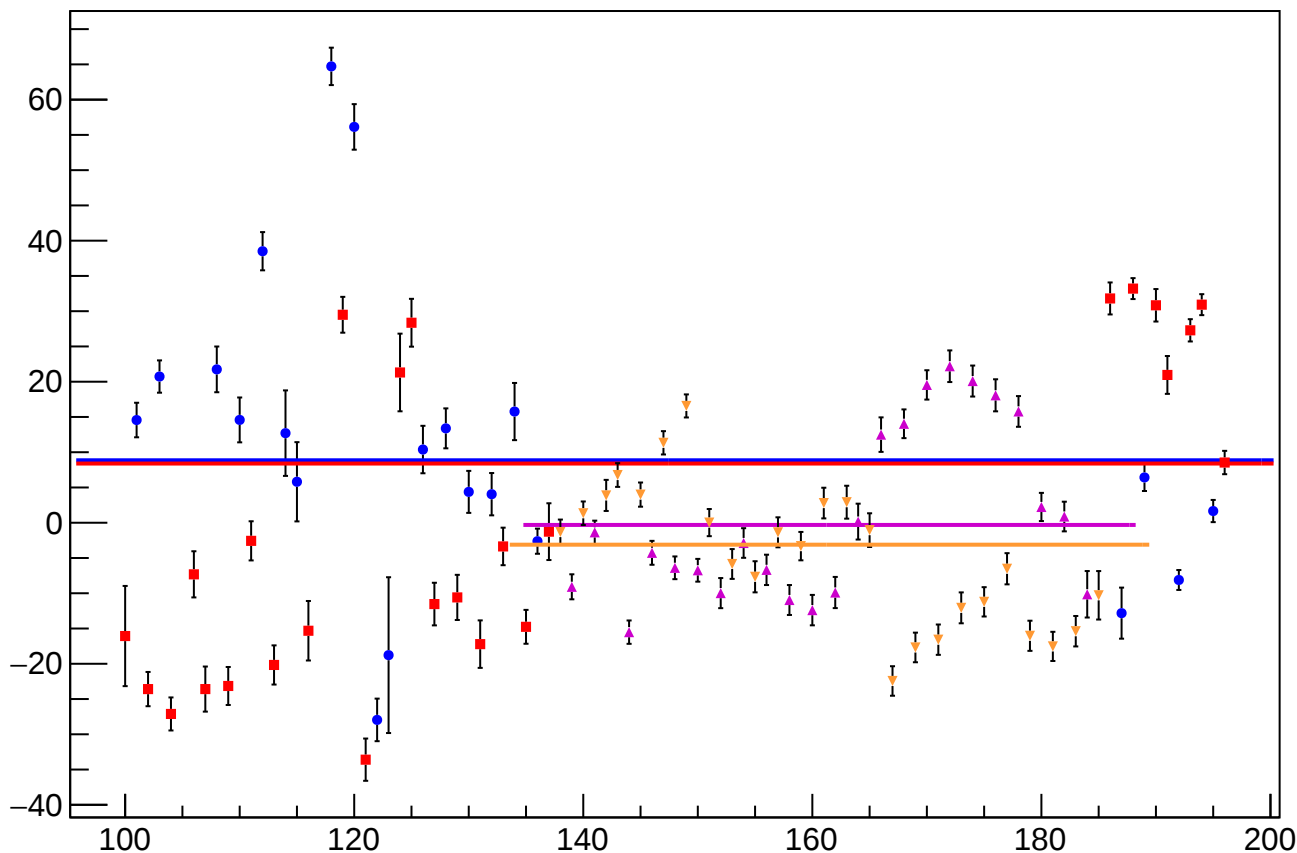
Left In: 2082.497+/-0.358 χ^2/NDF : 785304.0/22

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

All: 1943.034+/-0.186 χ^2/NDF : 2604114.2/94

- sign 1930.755+/-0.258 χ^2/NDF : 1345479.7/48

diff_bpm0i05Y_mean vs Slug



Right In: 8.856 ± 0.562 $\chi^2/\text{NDF}: 1239.2/20$

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

Right Out: 8.394 ± 0.484 $\chi^2/\text{NDF}: 2263.5/25$

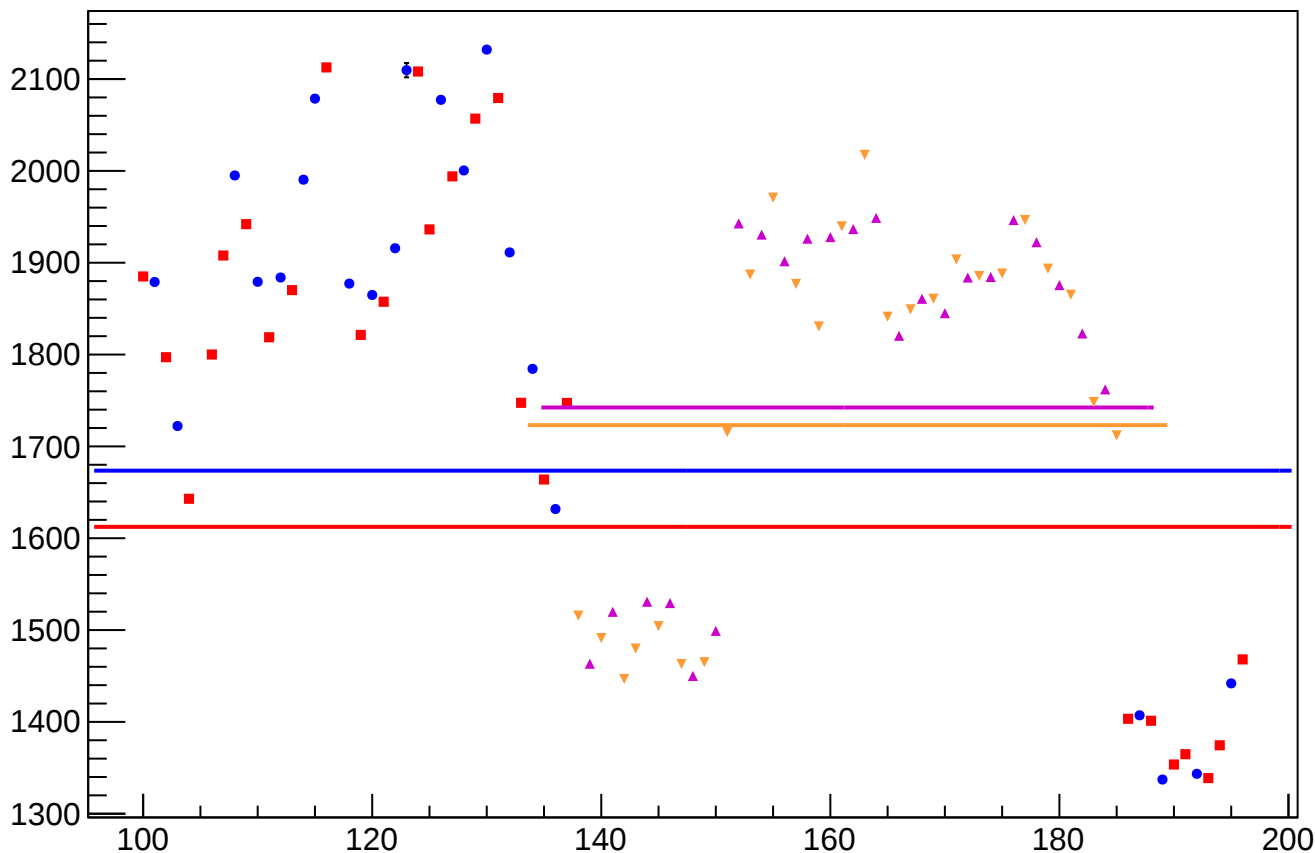
Left In: -0.312 ± 0.421 $\chi^2/\text{NDF}: 736.5/22$

+ sign 0.968 ± 0.328 $\chi^2/\text{NDF}: 2181.8/45$

All: 2.243 ± 0.228 $\chi^2/\text{NDF}: 5395.1/94$

- sign 3.438 ± 0.318 $\chi^2/\text{NDF}: 3184.1/48$

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: 1612.377 $\pm$ 0.342 χ^2 /NDF: 529487.9/25

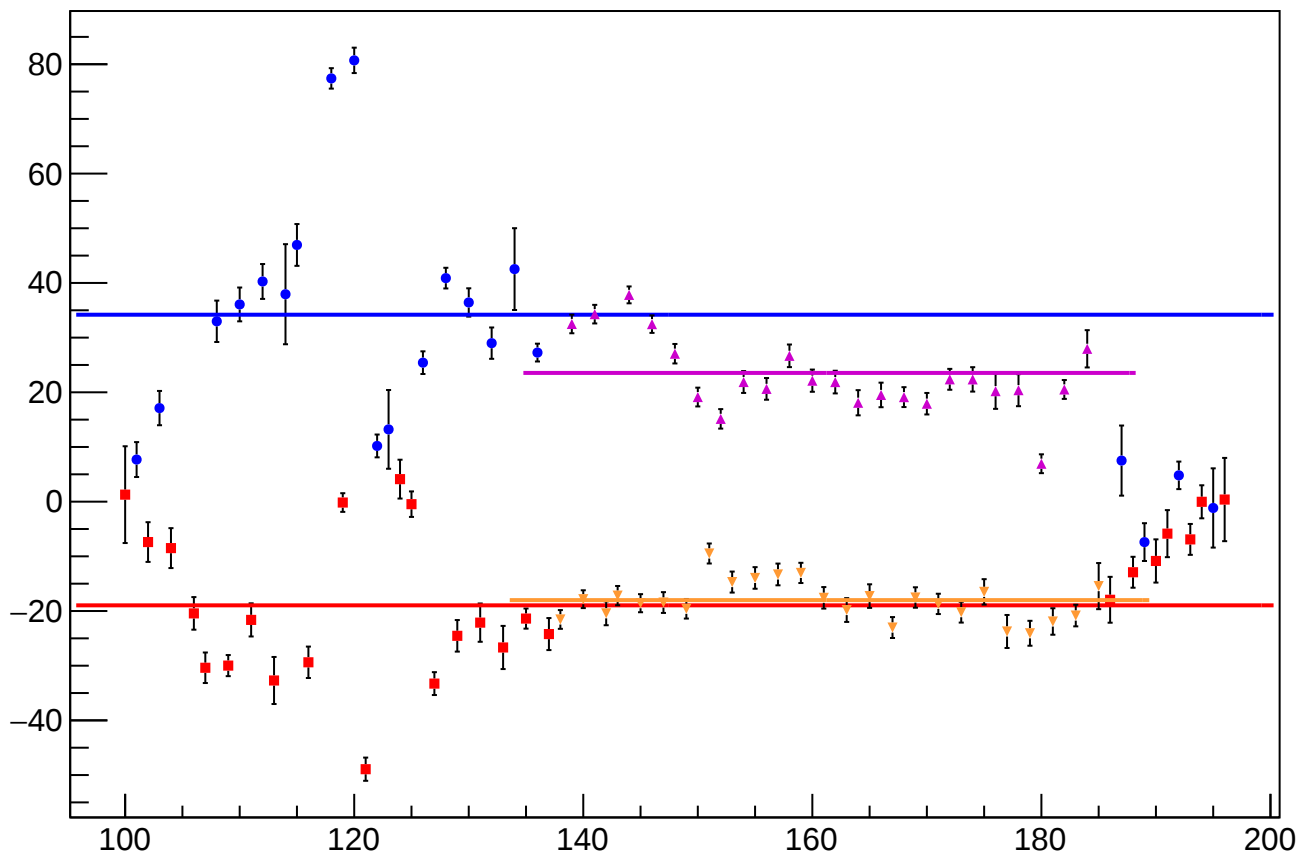
Left In: 1742.354 $\pm$ 0.298 χ^2 /NDF: 435841.5/22

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

All: 1695.999 $\pm$ 0.161 χ^2 /NDF: 1987006.8/94

- sign 1686.375 $\pm$ 0.225 χ^2 /NDF: 1047400.5/48

diff_bpm0i07X_mean vs Slug



Right In: 34.190 ± 0.605 χ^2/NDF : 1566.1/20

Left Out: -18.007 ± 0.397 χ^2/NDF : 73.8/24

Right Out: -18.963 ± 0.555 χ^2/NDF : 665.3/25

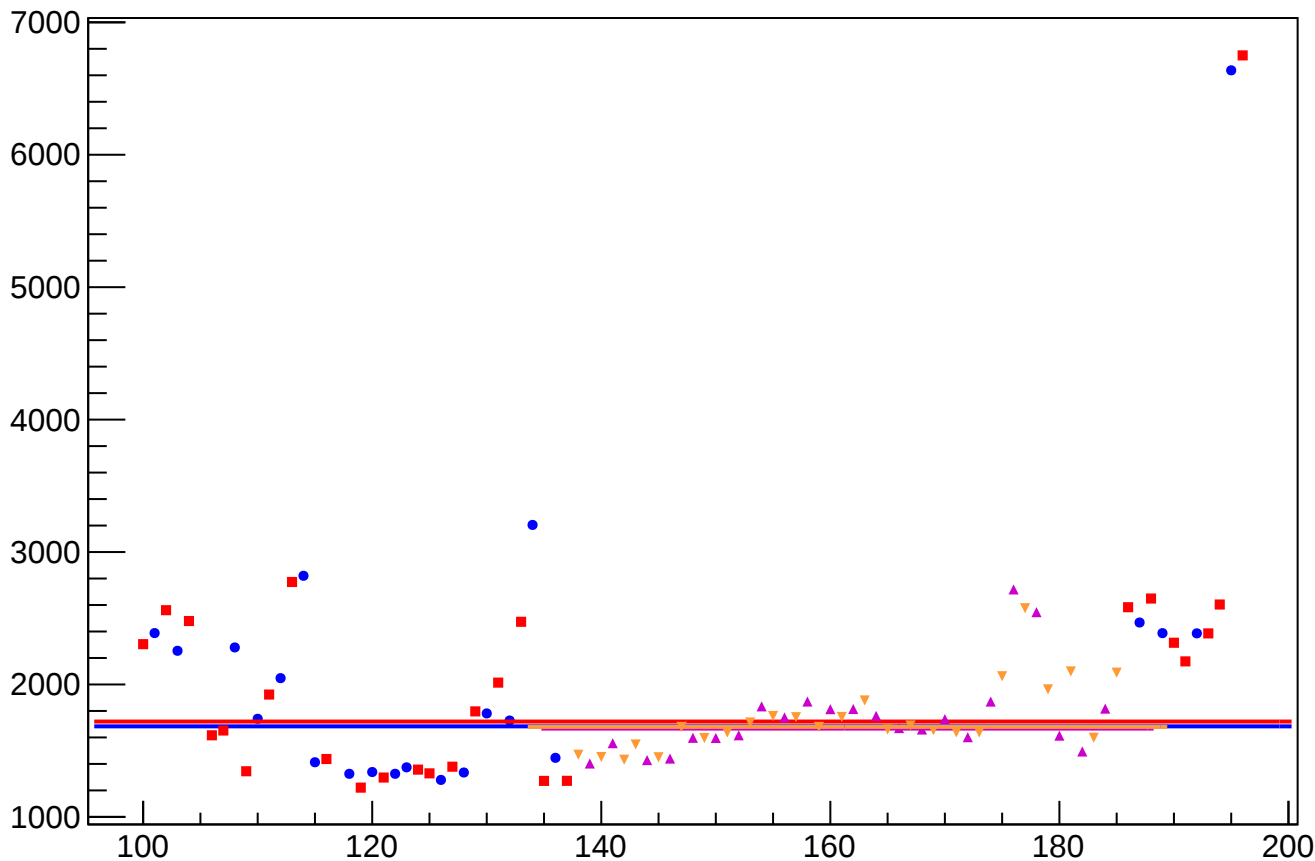
Left In: 23.544 ± 0.406 χ^2/NDF : 346.7/22

+ sign -2.299 ± 0.332 χ^2/NDF : 6850.4/45

All: 3.296 ± 0.233 χ^2/NDF : 12245.5/94

- sign 8.752 ± 0.328 χ^2/NDF : 4833.0/48

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: 1720.071+/-0.393 χ^2/NDF : 2587489.7/25

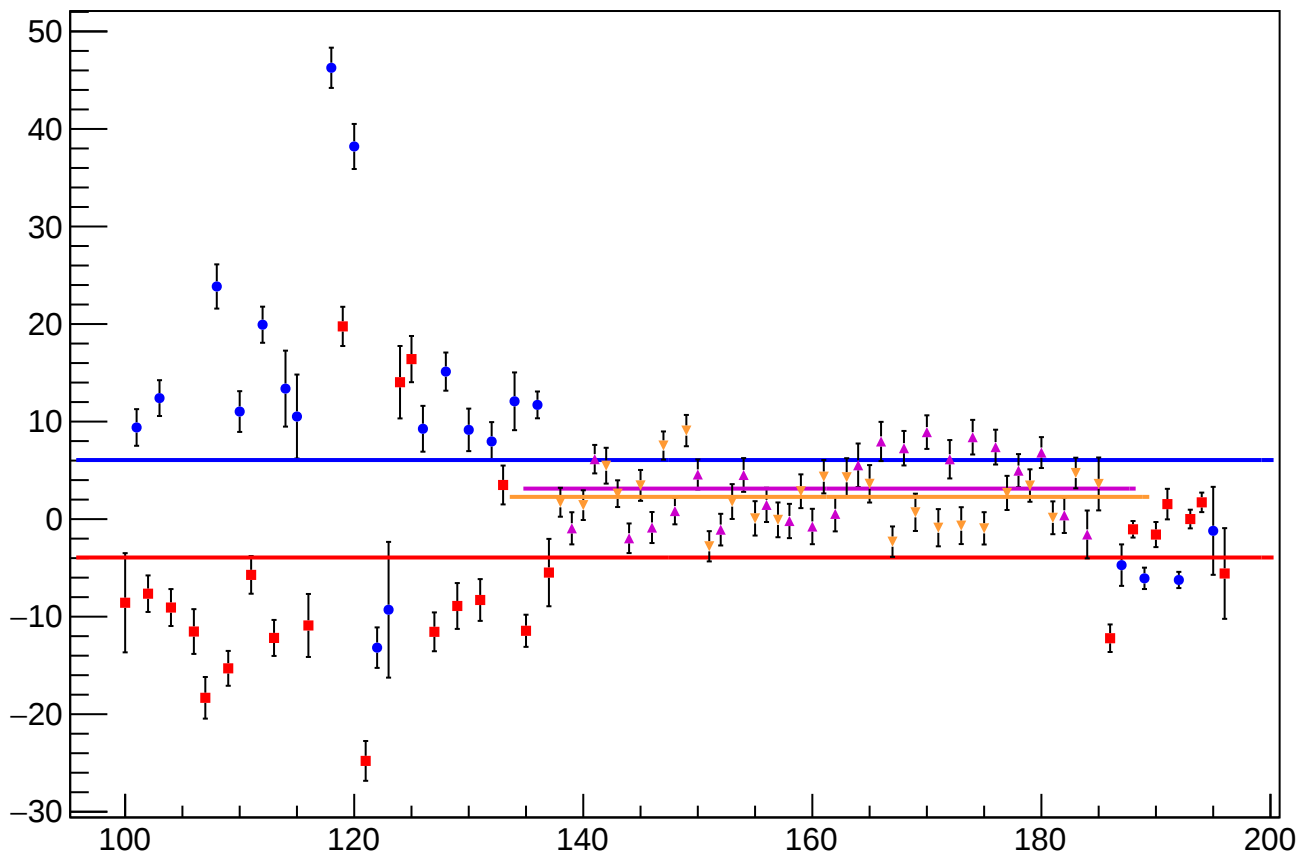
Left In: 1666.819+/-0.287 χ^2/NDF : 650990.8/22

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

All: 1683.195+/-0.165 χ^2/NDF : 5710063.8/94

- sign 1685.350+/-0.232 χ^2/NDF : 3250474.2/48

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: -3.935 ± 0.331 χ^2/NDF : 643.6/25

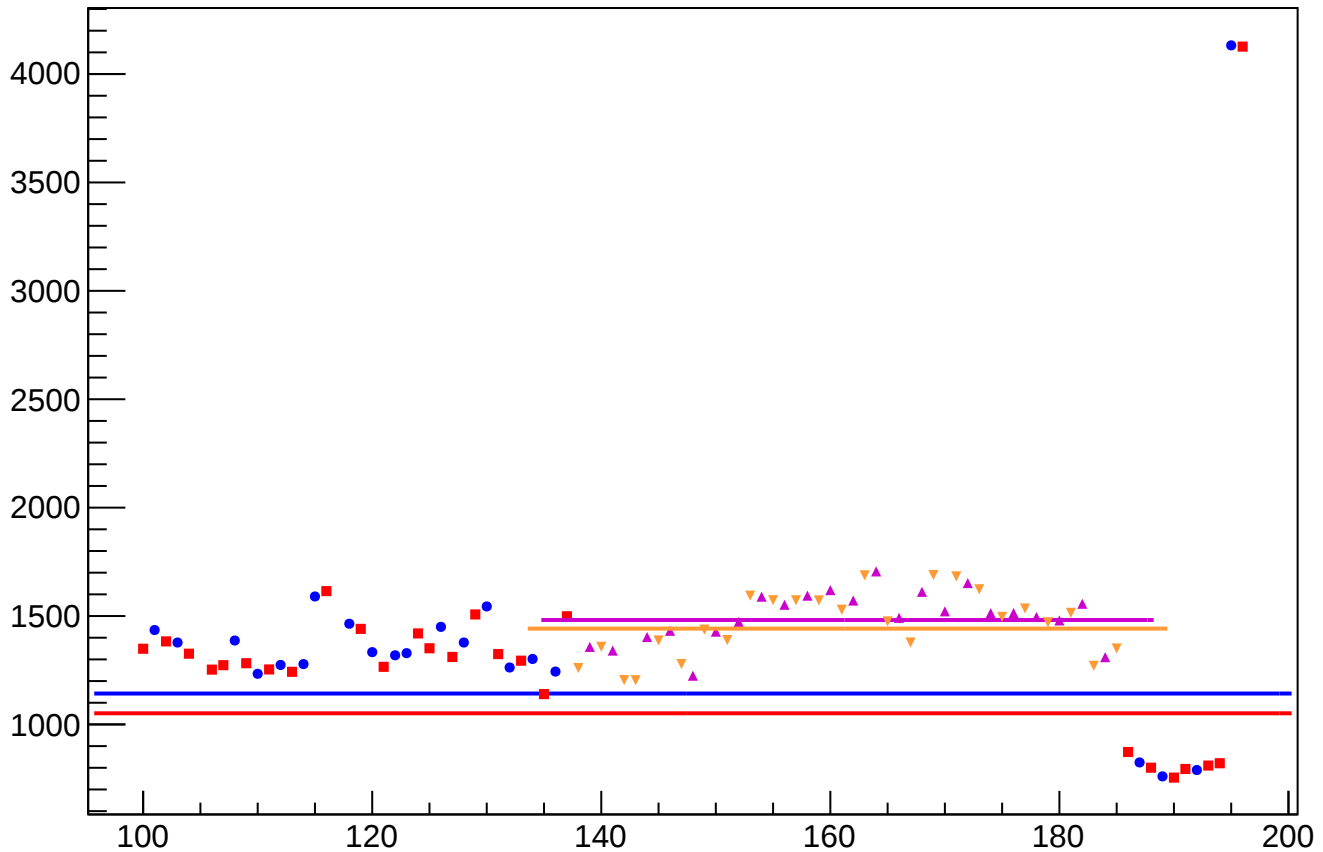
Left In: 3.129 ± 0.358 χ^2/NDF : 103.4/22

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

All: 1.444 ± 0.177 χ^2/NDF : 2471.0/94

- sign -0.674 ± 0.243 χ^2/NDF : 957.0/48

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: 1051.382 $\pm$ 0.234 χ^2 /NDF: 2121219.6/25

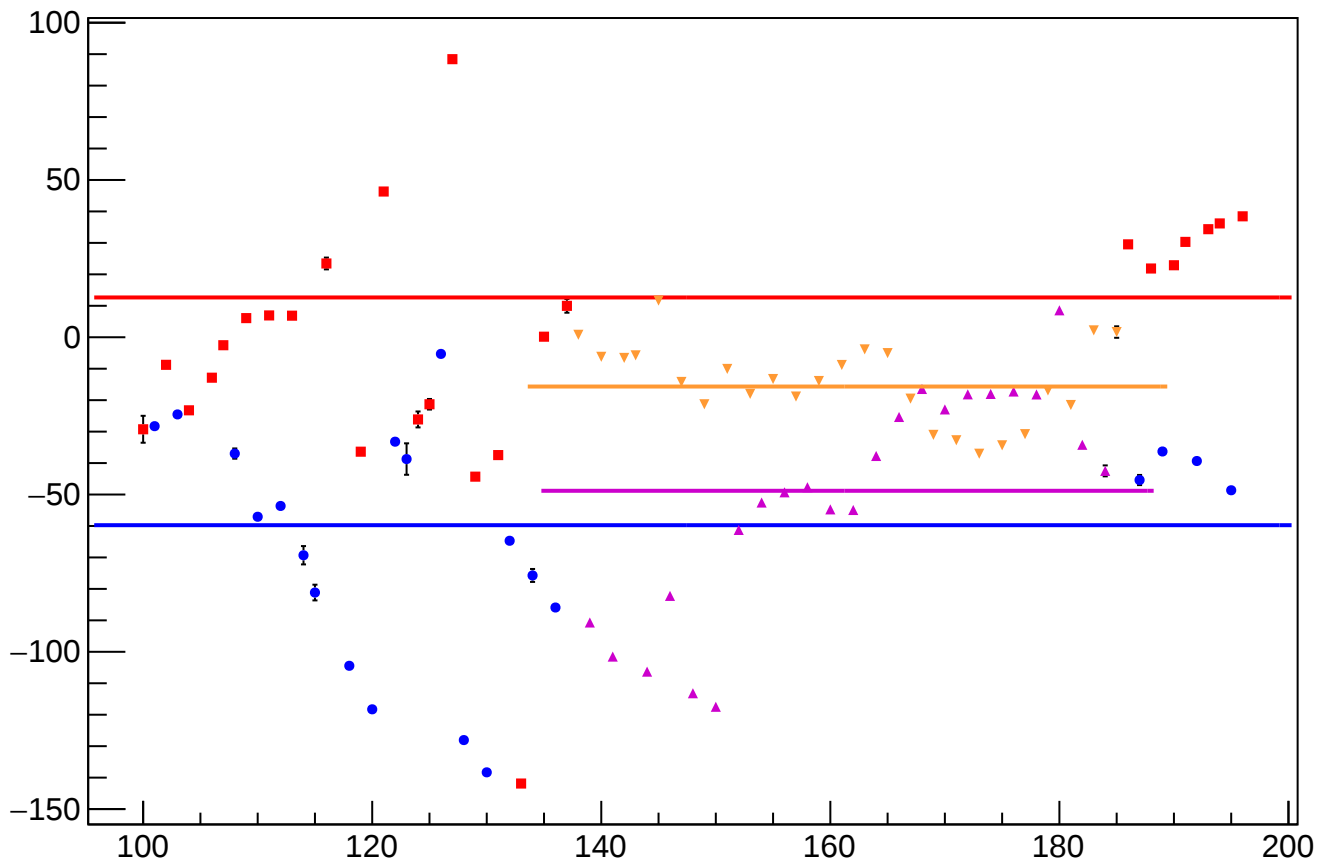
Left In: 1481.695 $\pm$ 0.253 χ^2 /NDF: 208470.6/22

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

All: 1281.786 $\pm$ 0.125 χ^2 /NDF: 6885670.5/94

- sign 1250.044 $\pm$ 0.172 χ^2 /NDF: 3888400.7/48

diff_bpm1i02X_mean vs Slug



Right In: -59.747 $\pm$ 0.275 χ^2 /NDF: 14716.9/20

Left Out: -15.666 $\pm$ 0.212 χ^2 /NDF: 3518.1/24

Right Out: 12.652 $\pm$ 0.235 χ^2 /NDF: 26307.2/25

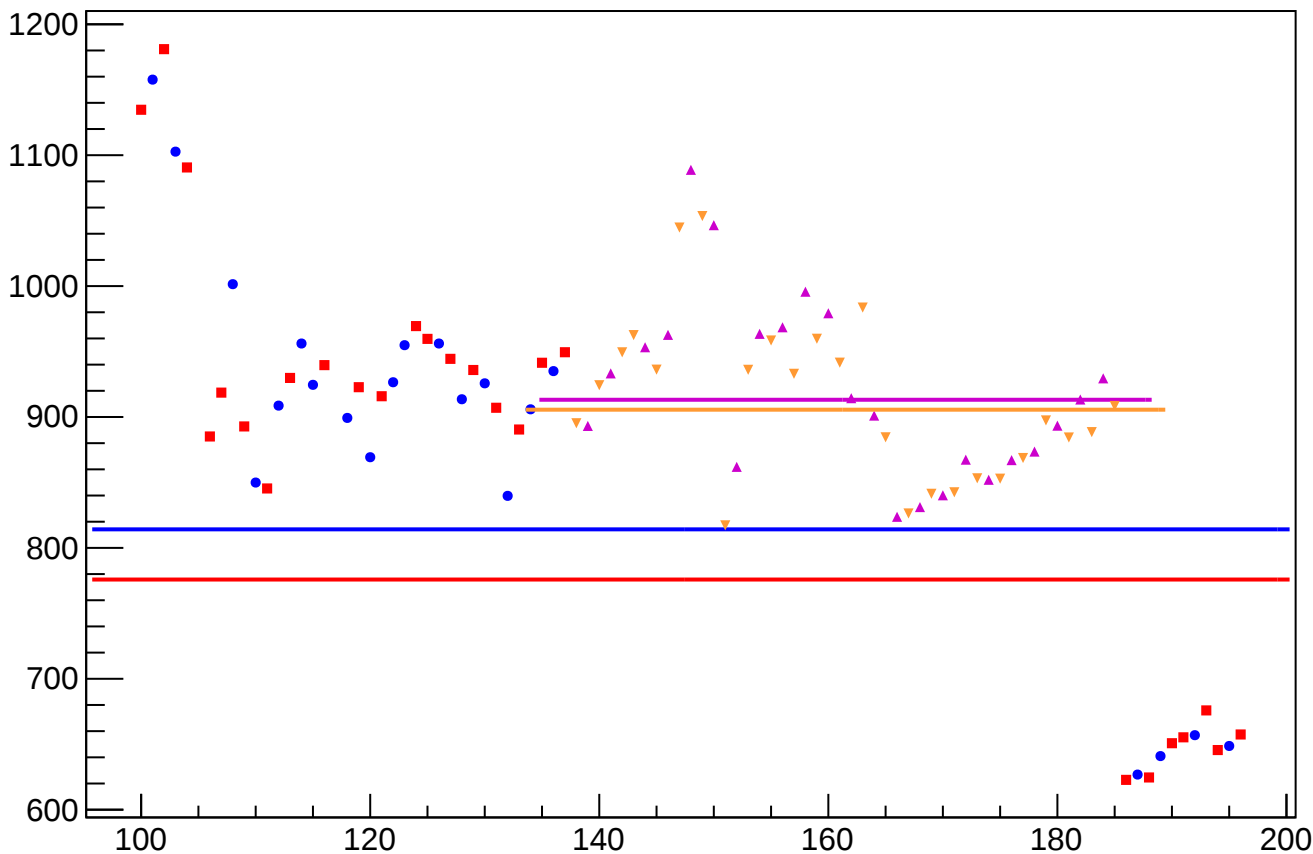
Left In: -48.812 $\pm$ 0.220 χ^2 /NDF: 25260.8/22

+ sign -32.067 $\pm$ 0.168 χ^2 /NDF: 34395.1/45

All: -25.806 $\pm$ 0.116 χ^2 /NDF: 125179.8/94

- sign -20.070 $\pm$ 0.160 χ^2 /NDF: 88110.8/48

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: 775.827 $\pm$ 0.166 χ^2 /NDF: 865405.7/25

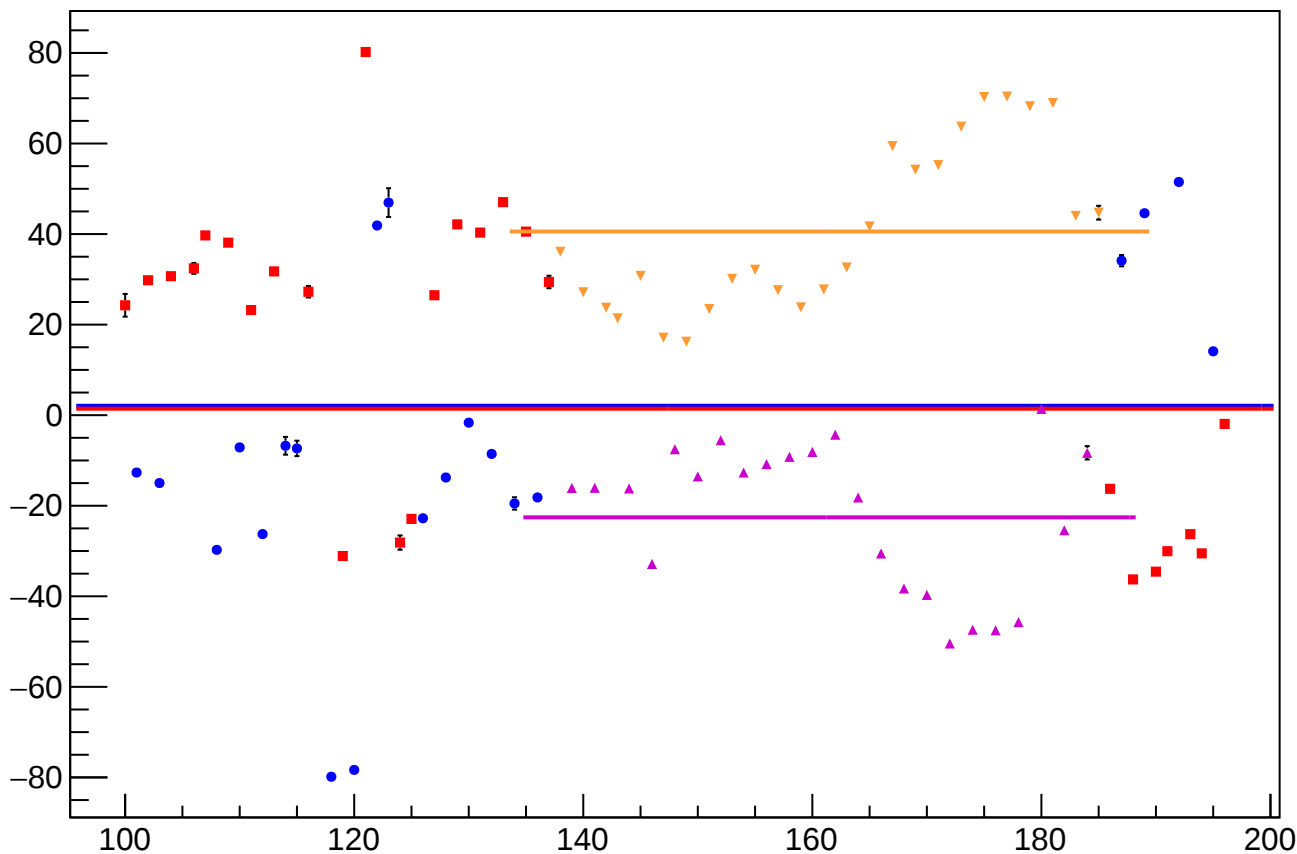
Left In: 913.165 $\pm$ 0.155 χ^2 /NDF: 174438.8/22

+ sign 871.566 $\pm$ 0.119 χ^2 /NDF: 941036.0/45

All: 859.759 $\pm$ 0.082 χ^2 /NDF: 2364791.2/94

- sign 848.942 $\pm$ 0.113 χ^2 /NDF: 1404736.8/48

diff_bpm1i02Y_mean vs Slug



Right In: 2.074+/-0.191 χ^2/NDF : 35119.6/20

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

Right Out: 1.436+/-0.166 χ^2/NDF : 40913.0/25

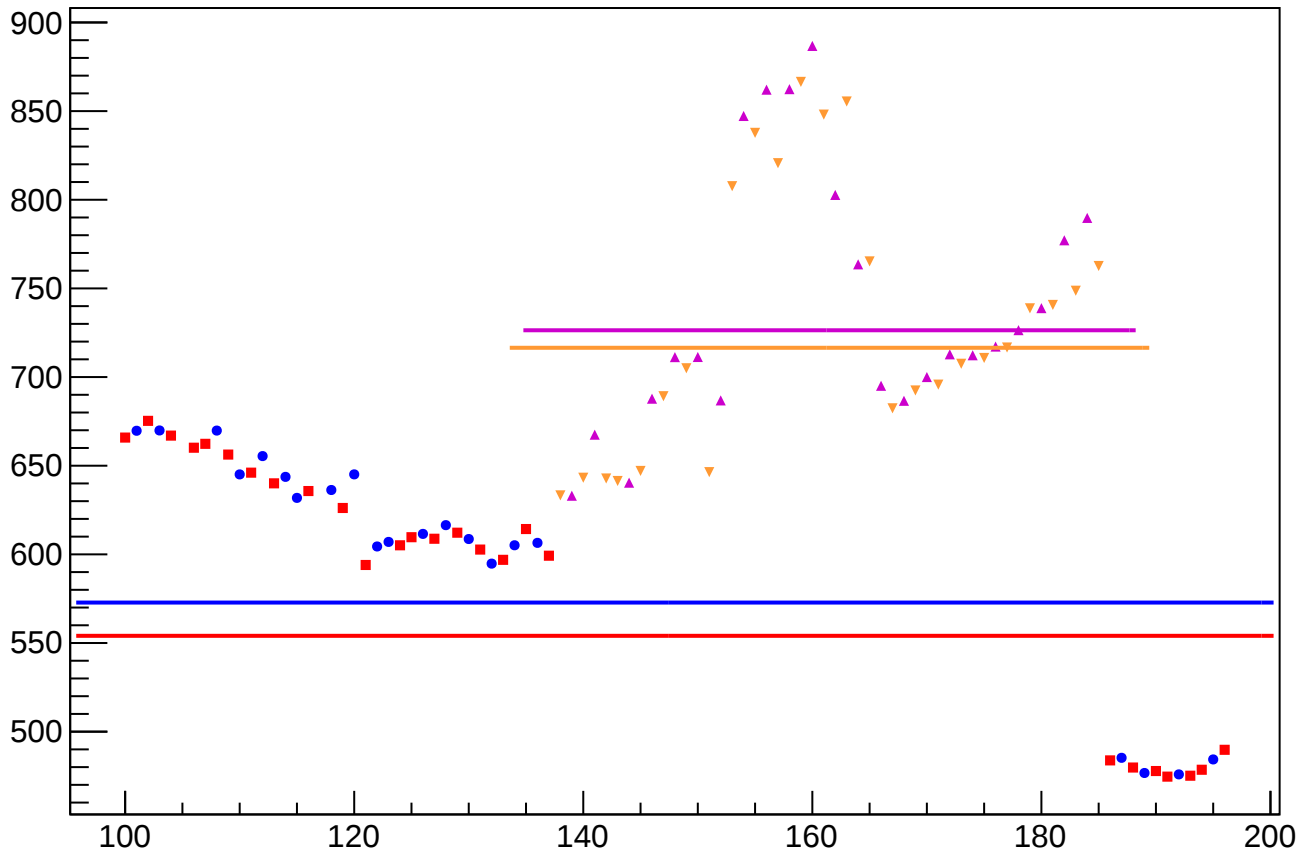
Left In: -22.565+/-0.175 χ^2/NDF : 8167.7/22

+ sign 23.847+/-0.126 χ^2/NDF : 70057.7/45

All: 6.186+/-0.087 χ^2/NDF : 166442.1/94

- sign -9.902+/-0.120 χ^2/NDF : 58973.4/48

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: 554.056 $\pm$ 0.117 χ^2 /NDF: 430131.2/25

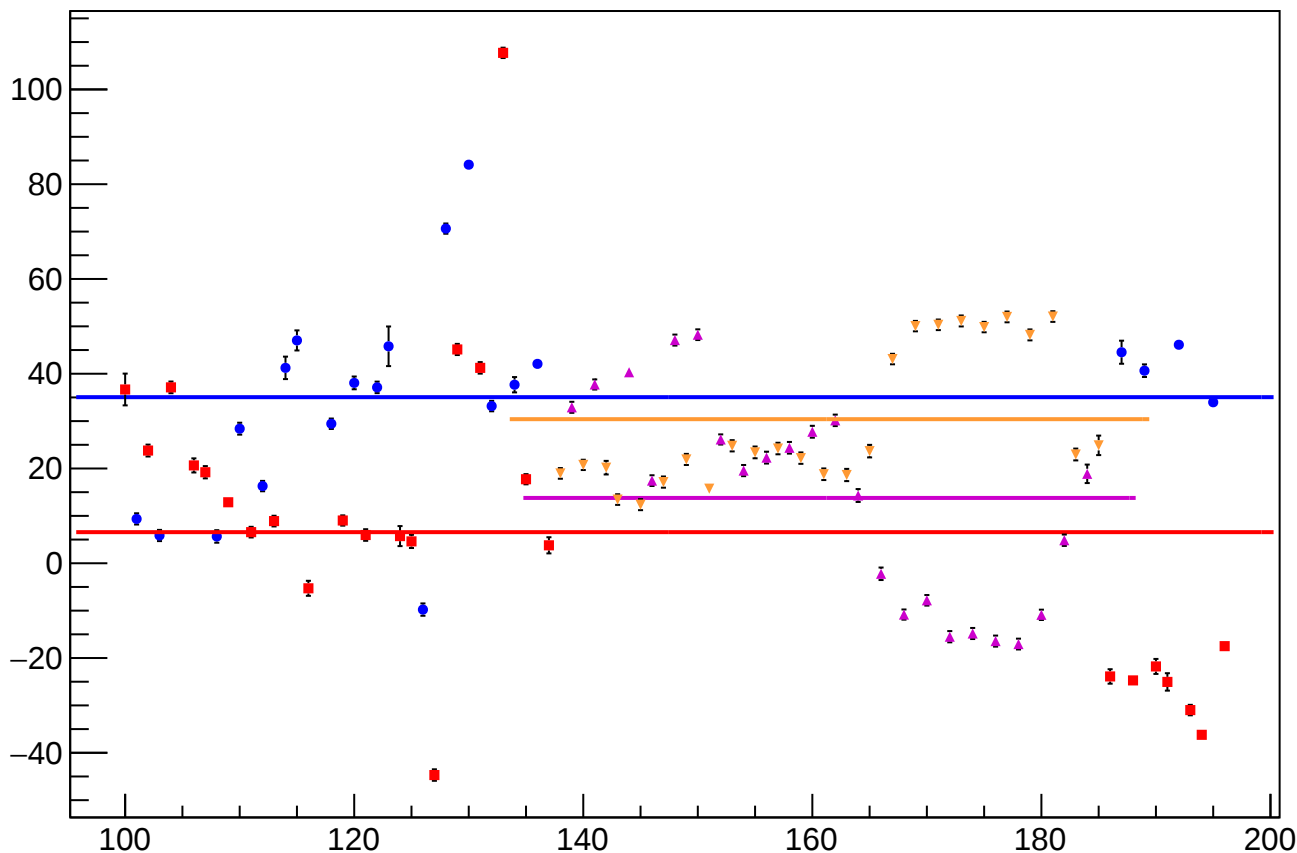
Left In: 726.390 $\pm$ 0.124 χ^2 /NDF:289788.8/22

+ sign 654.084 $\pm$ 0.089 χ^2 /NDF: 1293416.2/45

All: 644.337 $\pm$ 0.062 χ^2 /NDF: 3056212.0/94

- sign 635.459 $\pm$ 0.085 χ^2 /NDF: 1740008.4/48

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: 6.566 $\pm$ 0.246 χ^2 /NDF: 18969.4/25

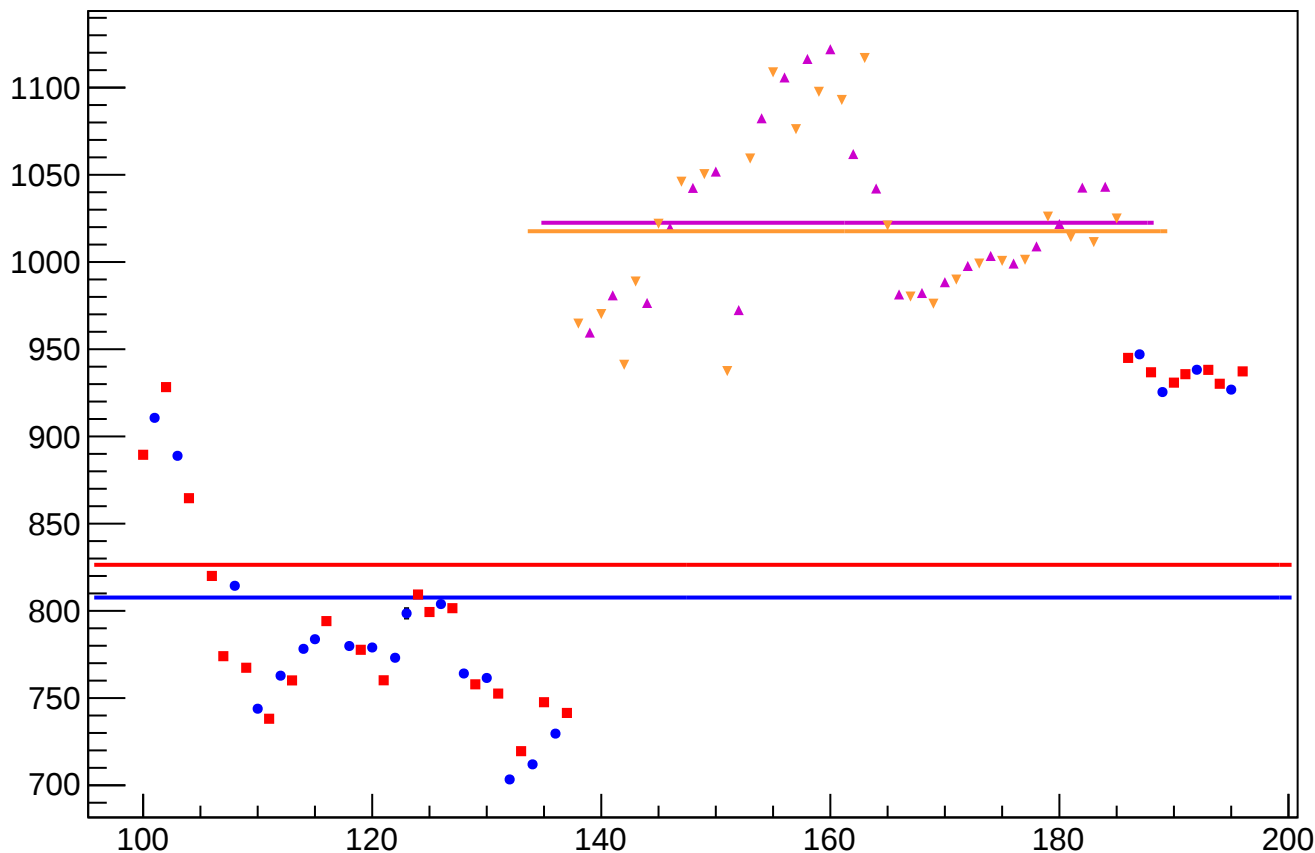
Left In: 13.787 $\pm$ 0.246 χ^2 /NDF: 7979.7/22

+ sign 32.442 $\pm$ 0.178 χ^2 /NDF: 10584.4/45

All: 21.059 $\pm$ 0.124 χ^2 /NDF: 45962.3/94

- sign 10.183 $\pm$ 0.174 χ^2 /NDF: 27379.8/48

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: 826.399 $\pm$ 0.174 χ^2 /NDF: 222051.2/25

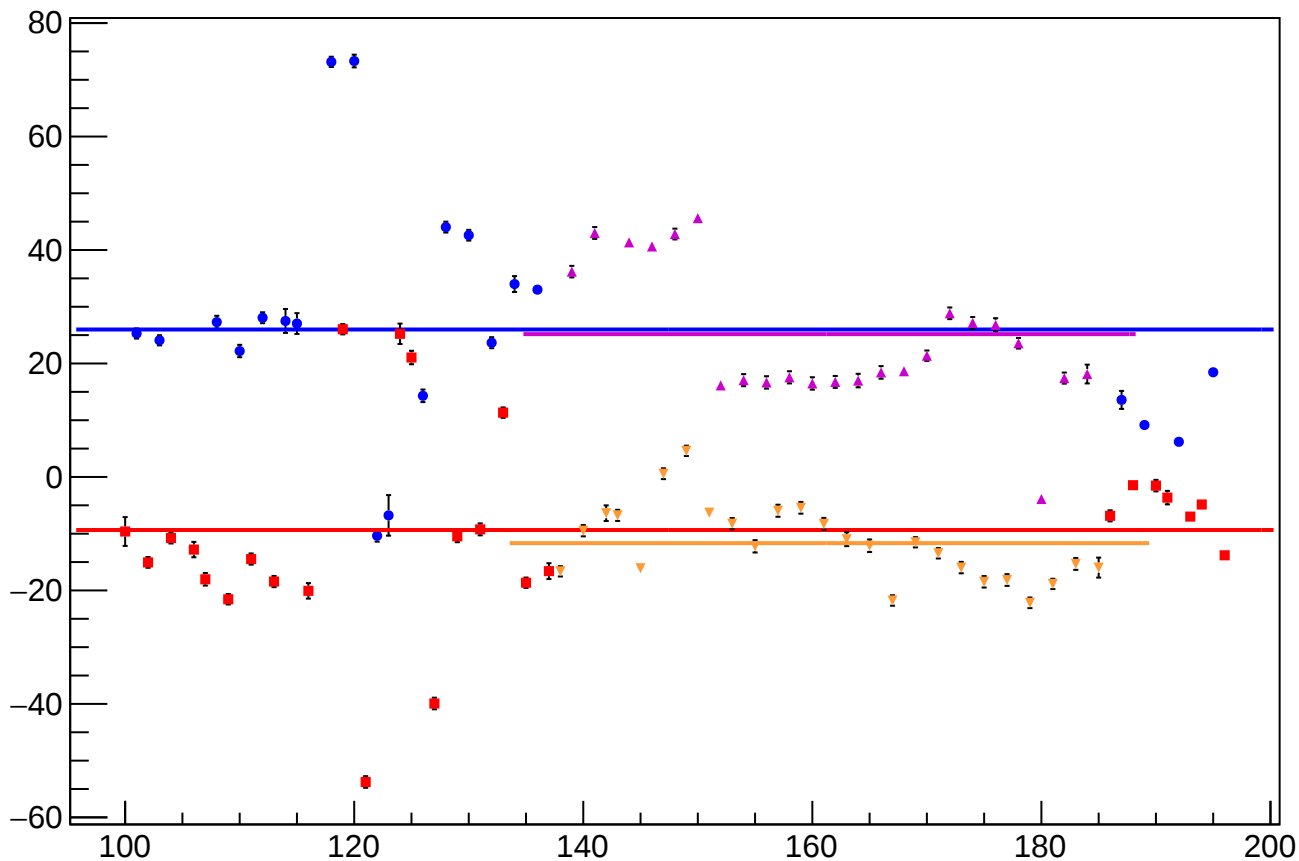
Left In: 1022.511 $\pm$ 0.174 χ^2 /NDF:69635.5/22

+ sign 925.705 $\pm$ 0.126 χ^2 /NDF: 942415.5/45

All: 925.155 $\pm$ 0.088 χ^2 /NDF: 1869425.6/94

- sign 924.630 $\pm$ 0.123 χ^2 /NDF: 926972.8/48

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: -9.351 $\pm$ 0.189 χ^2 /NDF: 6747.6/25

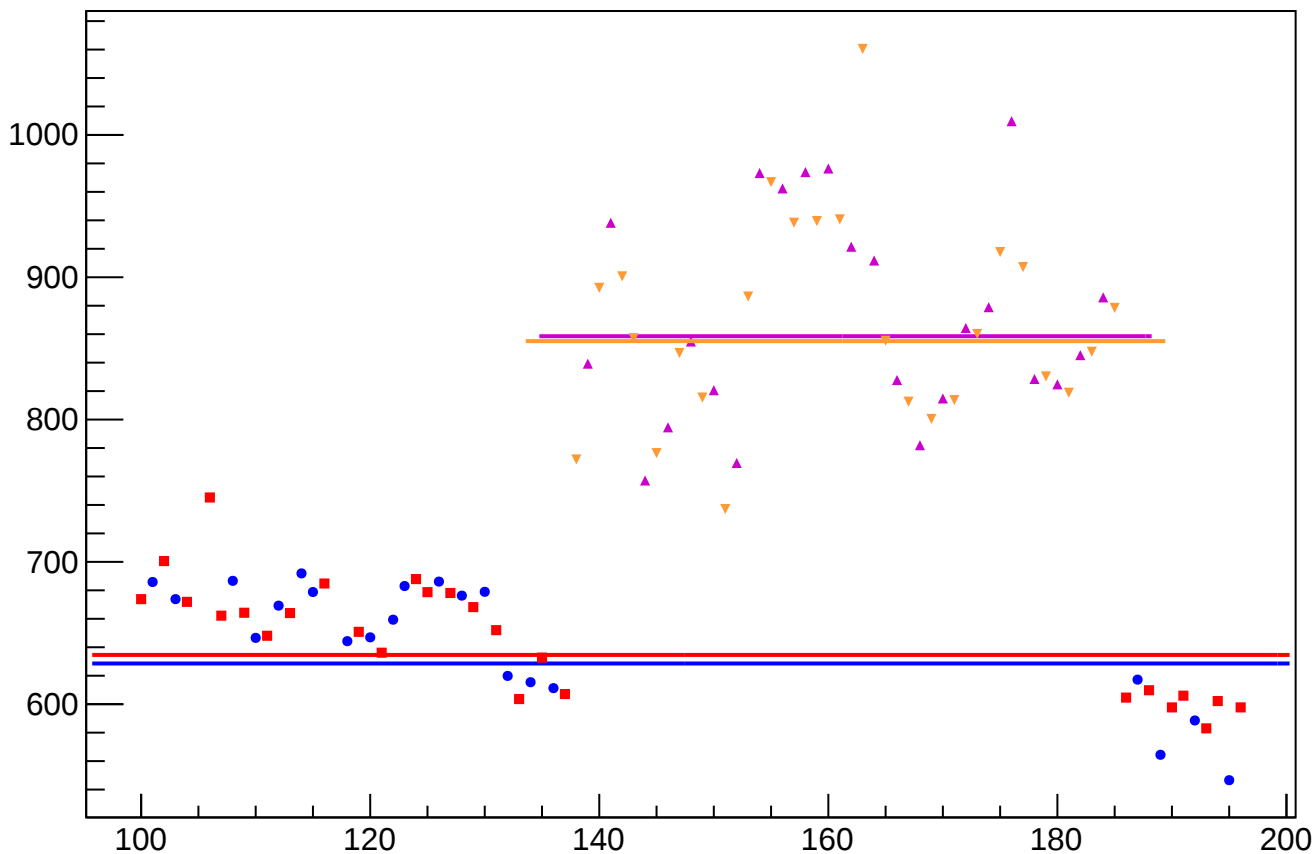
Left In: 25.174 $\pm$ 0.207 χ^2 /NDF: 3747.1/22

+ sign 6.333 $\pm$ 0.145 χ^2 /NDF: 26448.5/45

All: 6.306 $\pm$ 0.100 χ^2 /NDF: 52111.2/94

- sign 6.281 $\pm$ 0.140 χ^2 /NDF: 25662.6/48

diff_bpm1i04Y_rms vs Slug



Right In: 628.587 $\pm$ 0.148 χ^2 /NDF: 104785.7/20

Left Out: 855.131 $\pm$ 0.142 χ^2 /NDF: 233746.7/24

Right Out: 634.608 $\pm$ 0.133 χ^2 /NDF: 79824.1/25

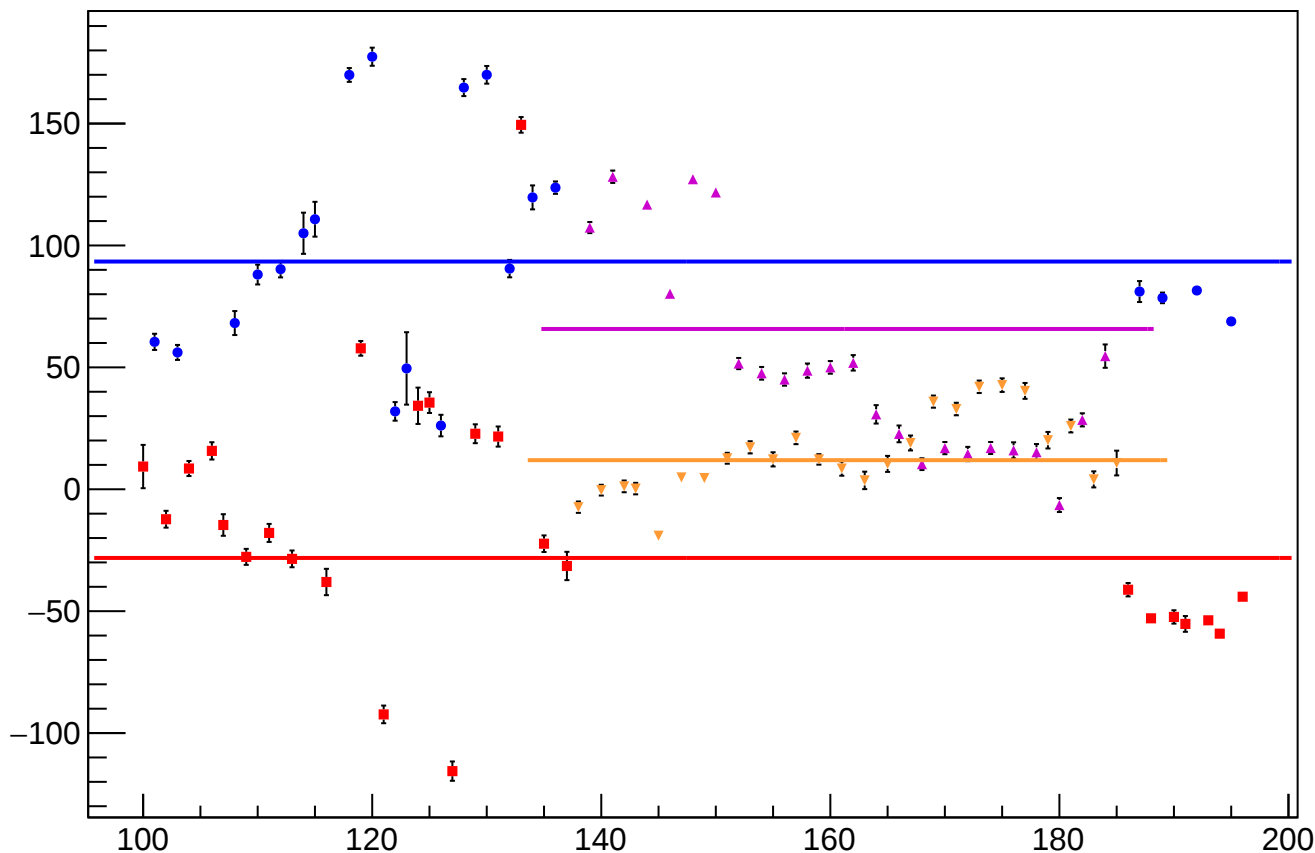
Left In: 858.563 $\pm$ 0.147 χ^2 /NDF: 239019.8/22

+ sign 746.856 $\pm$ 0.102 χ^2 /NDF: 1561520.4/45

All: 741.235 $\pm$ 0.071 χ^2 /NDF: 3162667.6/94

- sign 736.008 $\pm$ 0.099 χ^2 /NDF: 1595323.7/48

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: -28.168 ± 0.590 χ^2/NDF : 6577.7/25

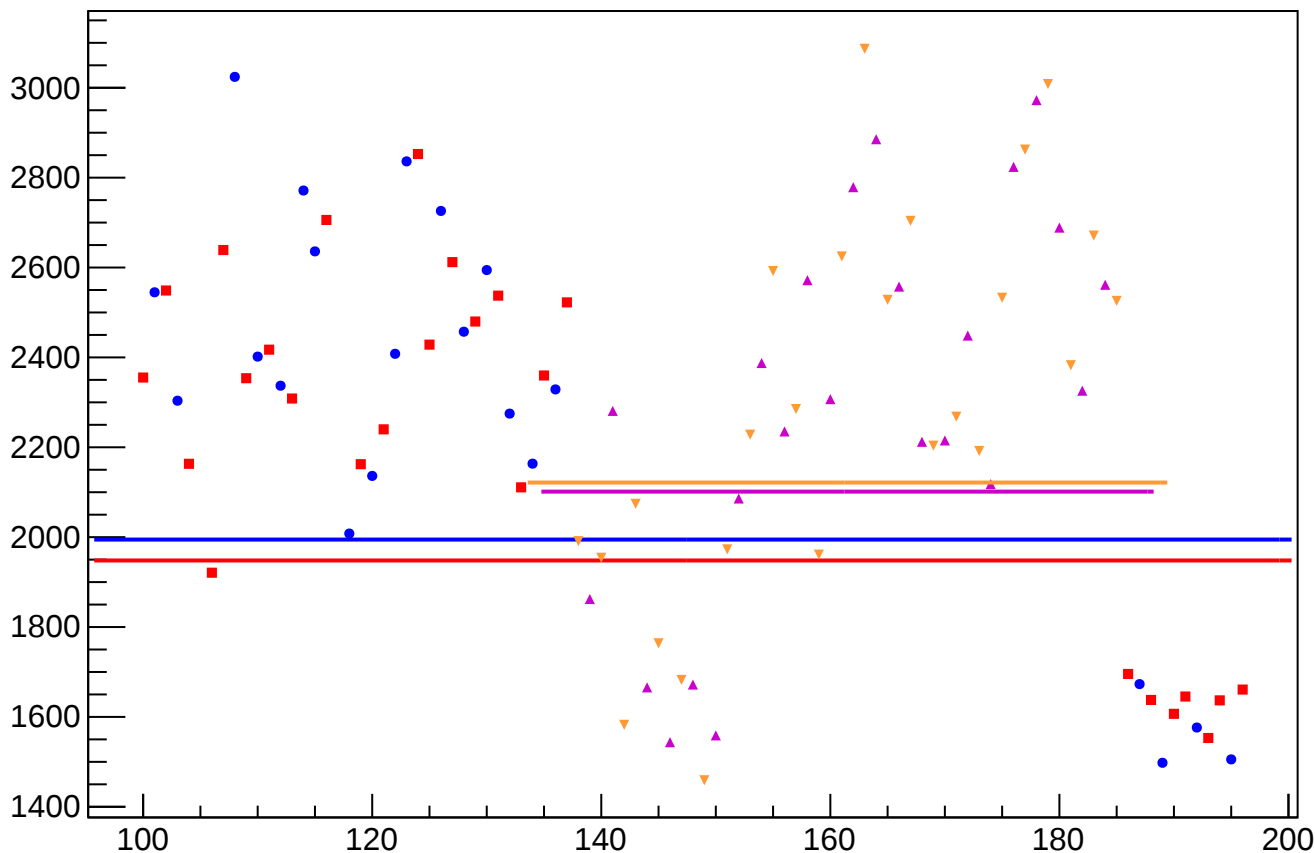
Left In: 65.752 ± 0.518 χ^2/NDF : 7335.8/22

+ sign 40.893 ± 0.406 χ^2/NDF : 13596.1/45

All: 32.579 ± 0.281 χ^2/NDF : 42623.4/94

- sign 24.927 ± 0.389 χ^2/NDF : 28220.8/48

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: 1948.141+/-0.417 χ^2/NDF : 844002.9/25

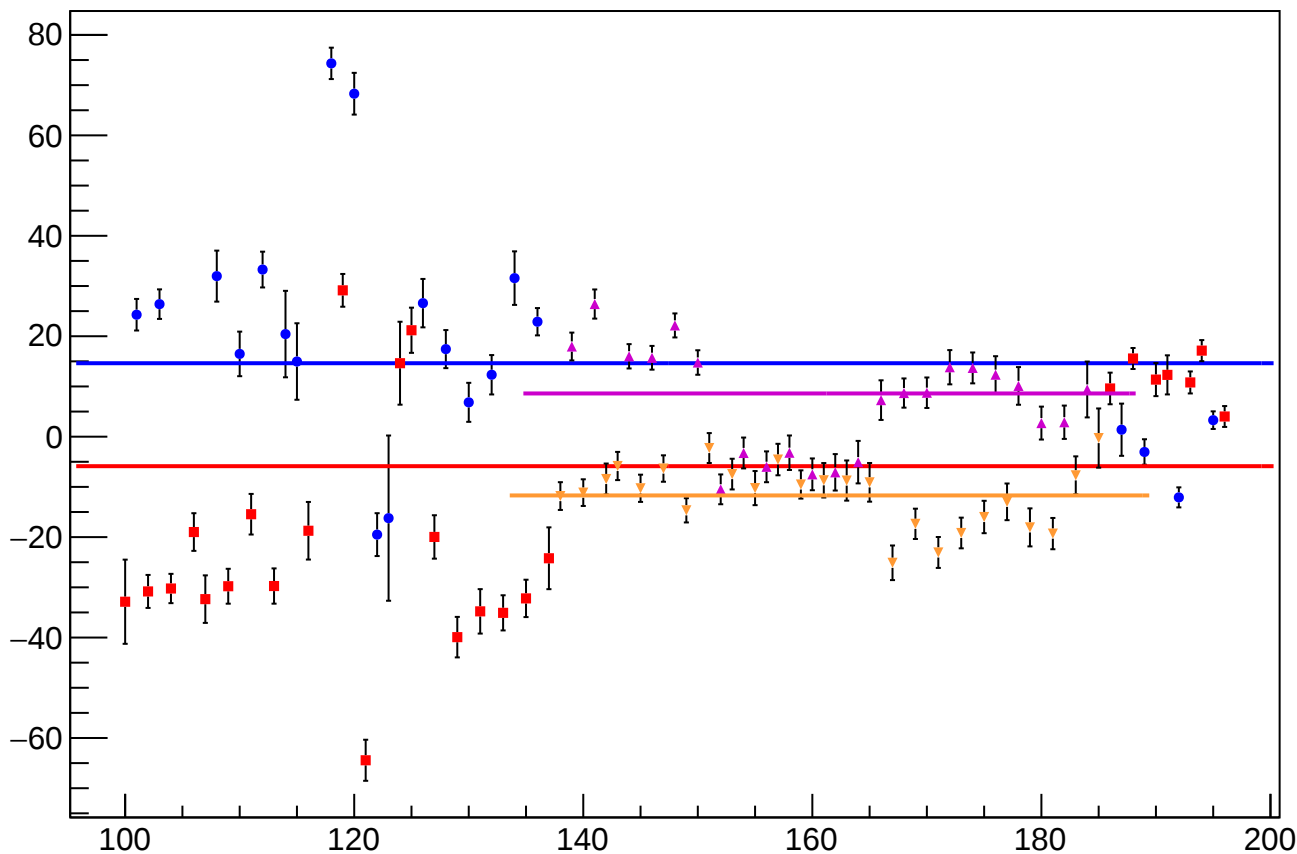
Left In: 2101.325+/-0.366 χ^2/NDF :1360518.3/22

+ sign 2076.465+/-0.287 χ^2/NDF : 2309276.7/45

All: 2054.738+/-0.199 χ^2/NDF : 4600934.5/94

- sign 2034.739+/-0.275 χ^2/NDF : 2280641.8/48

diff_bpm1i06Y_mean vs Slug



Right In: 14.627 ± 0.742 χ^2/NDF : 970.9/20

Left Out: -11.700 ± 0.625 χ^2/NDF : 85.0/24

Right Out: -5.875 ± 0.657 χ^2/NDF : 1280.5/25

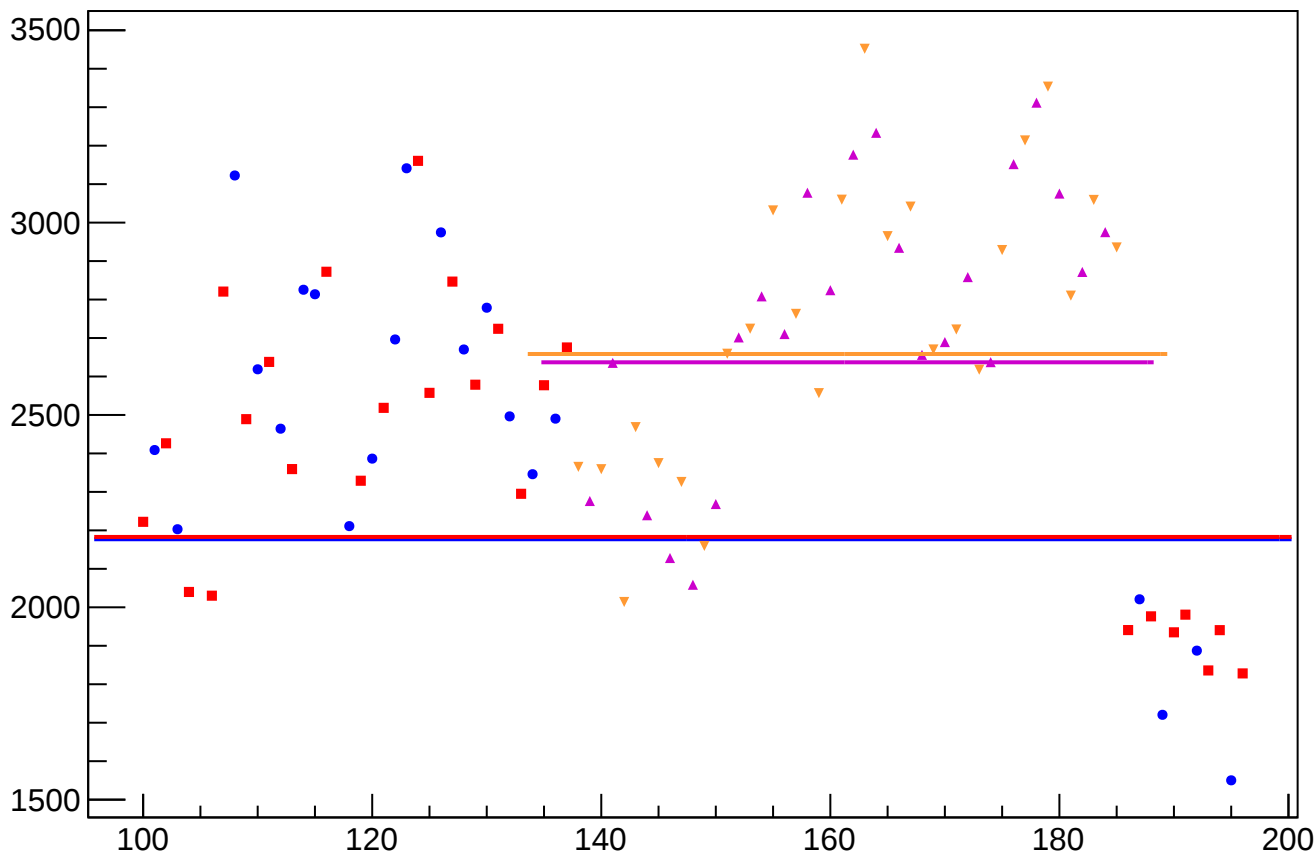
Left In: 8.606 ± 0.642 χ^2/NDF : 264.2/22

+ sign -0.758 ± 0.478 χ^2/NDF : 1792.3/45

All: 0.436 ± 0.331 χ^2/NDF : 3597.4/94

- sign 1.538 ± 0.459 χ^2/NDF : 1793.1/48

diff_bpm1i06Y_rms vs Slug



Right In: 2176.944+/-0.524 χ^2/NDF : 723035.8/20

Left Out: 2658.486+/-0.442 χ^2/NDF : 618133.8/24

Right Out: 2182.904+/-0.465 χ^2/NDF : 506418.2/25

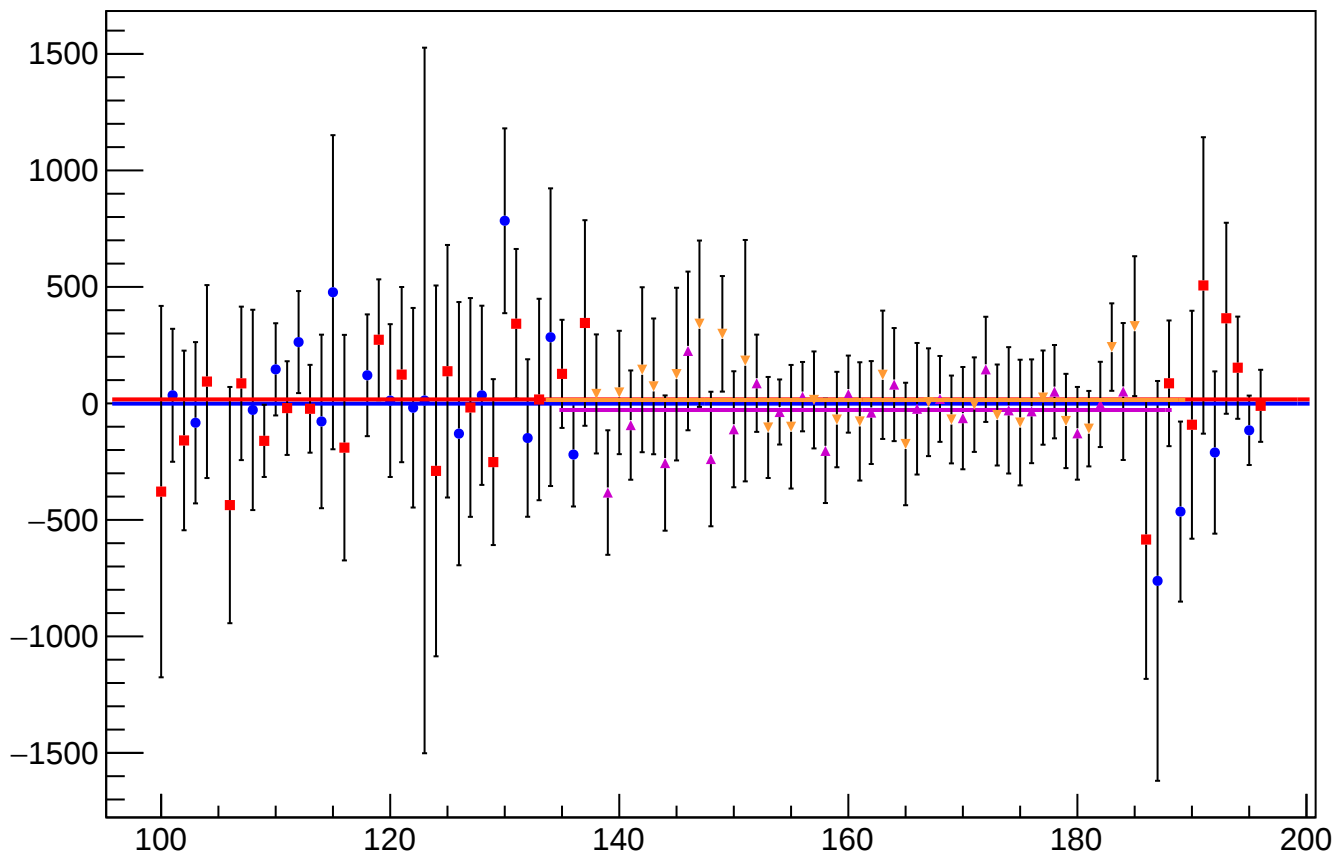
Left In: 2636.885+/-0.454 χ^2/NDF : 652894.5/22

+ sign 2458.343+/-0.338 χ^2/NDF : 1833923.0/45

All: 2435.949+/-0.234 χ^2/NDF : 3489949.9/94

- sign 2415.285+/-0.325 χ^2/NDF : 1647590.5/48

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: 17.245 ± 58.133 $\chi^2/\text{NDF}: 9.4/25$

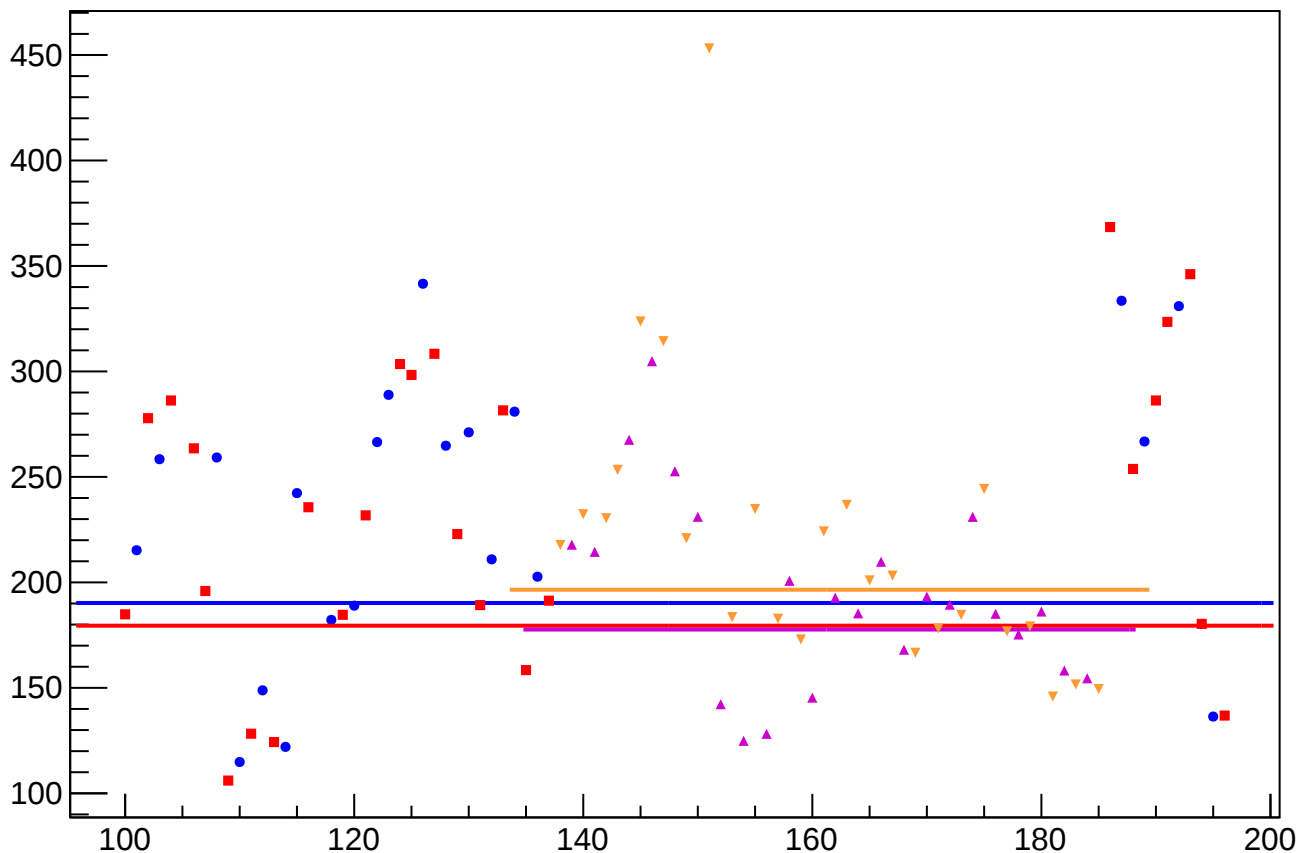
Left In: -28.310 ± 44.638 $\chi^2/\text{NDF}: 6.3/22$

+ sign 9.369 ± 38.828 $\chi^2/\text{NDF}: 19.2/45$

All: -1.978 ± 26.162 $\chi^2/\text{NDF}: 35.4/94$

- sign -11.413 ± 35.405 $\chi^2/\text{NDF}: 16.1/48$

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: 179.471 $\pm$ 0.041 χ^2/NDF : 2627363.9/25

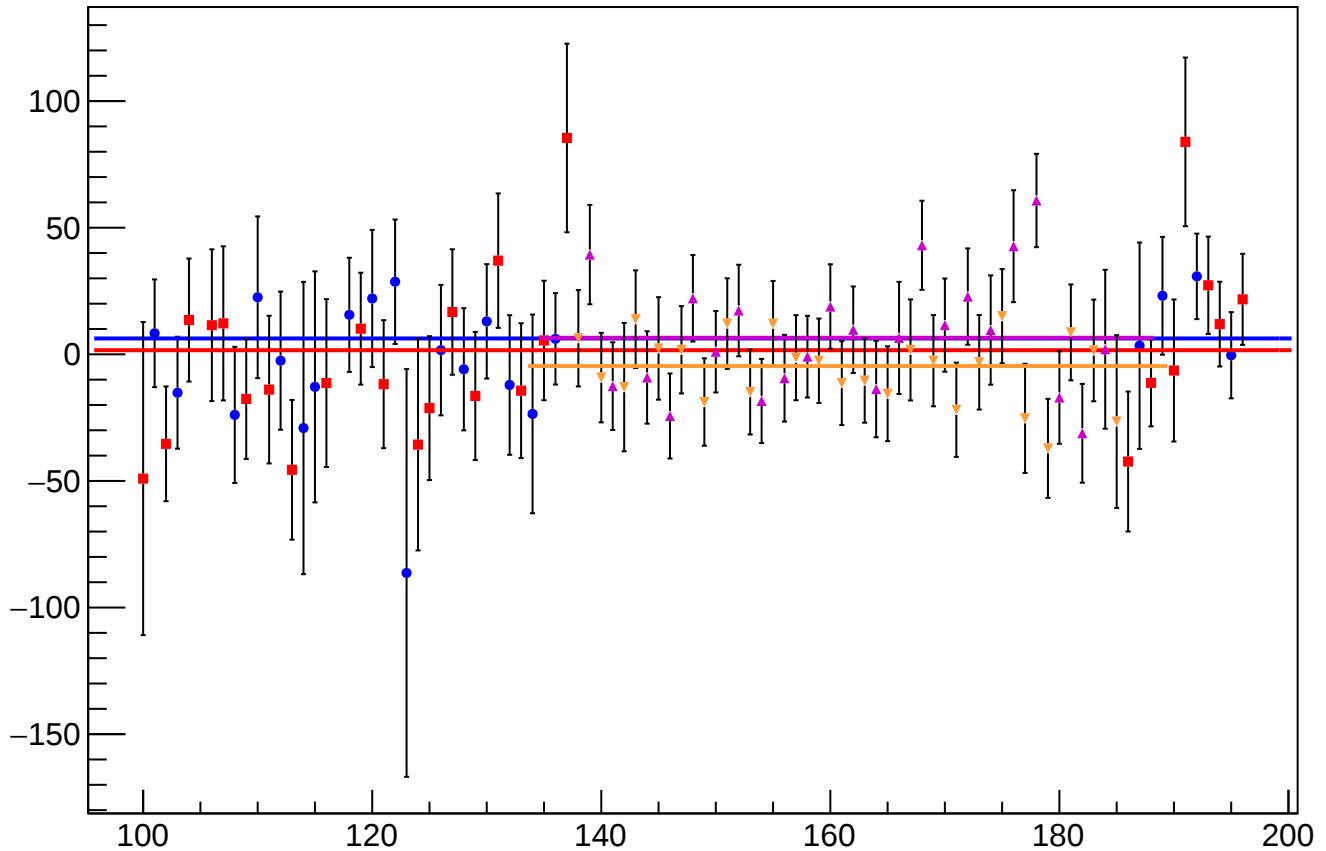
Left In: 177.643 $\pm$ 0.032 χ^2/NDF : 1630664.5/22

+ sign 194.429 $\pm$ 0.027 χ^2/NDF : 3538108.5/45

All: 185.634 $\pm$ 0.018 χ^2/NDF : 7985316.4/94

- sign 178.321 $\pm$ 0.025 χ^2/NDF : 4259272.7/48

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 6.264 ± 5.462 χ^2/NDF : 10.0/20

Left Out: -4.646 ± 3.728 χ^2/NDF : 12.1/24

Right Out: 1.623 ± 4.909 χ^2/NDF : 30.5/25

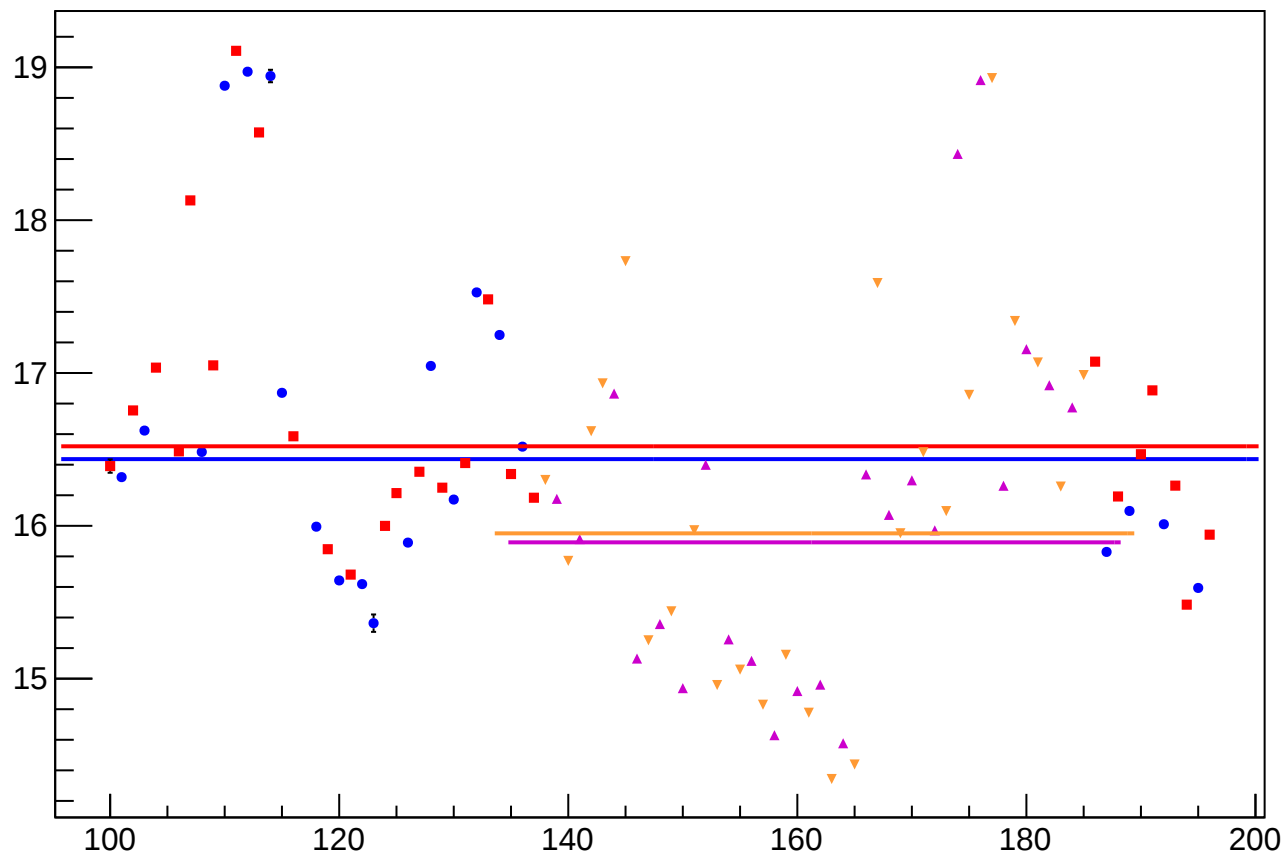
Left In: 6.526 ± 3.828 χ^2/NDF : 36.4/22

+ sign -1.179 ± 3.079 χ^2/NDF : 24.8/45

All: 1.805 ± 2.155 χ^2/NDF : 94.1/94

- sign 4.672 ± 3.018 χ^2/NDF : 67.5/48

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: 16.520 $\pm$ 0.003 χ^2/NDF : 54289.6/25

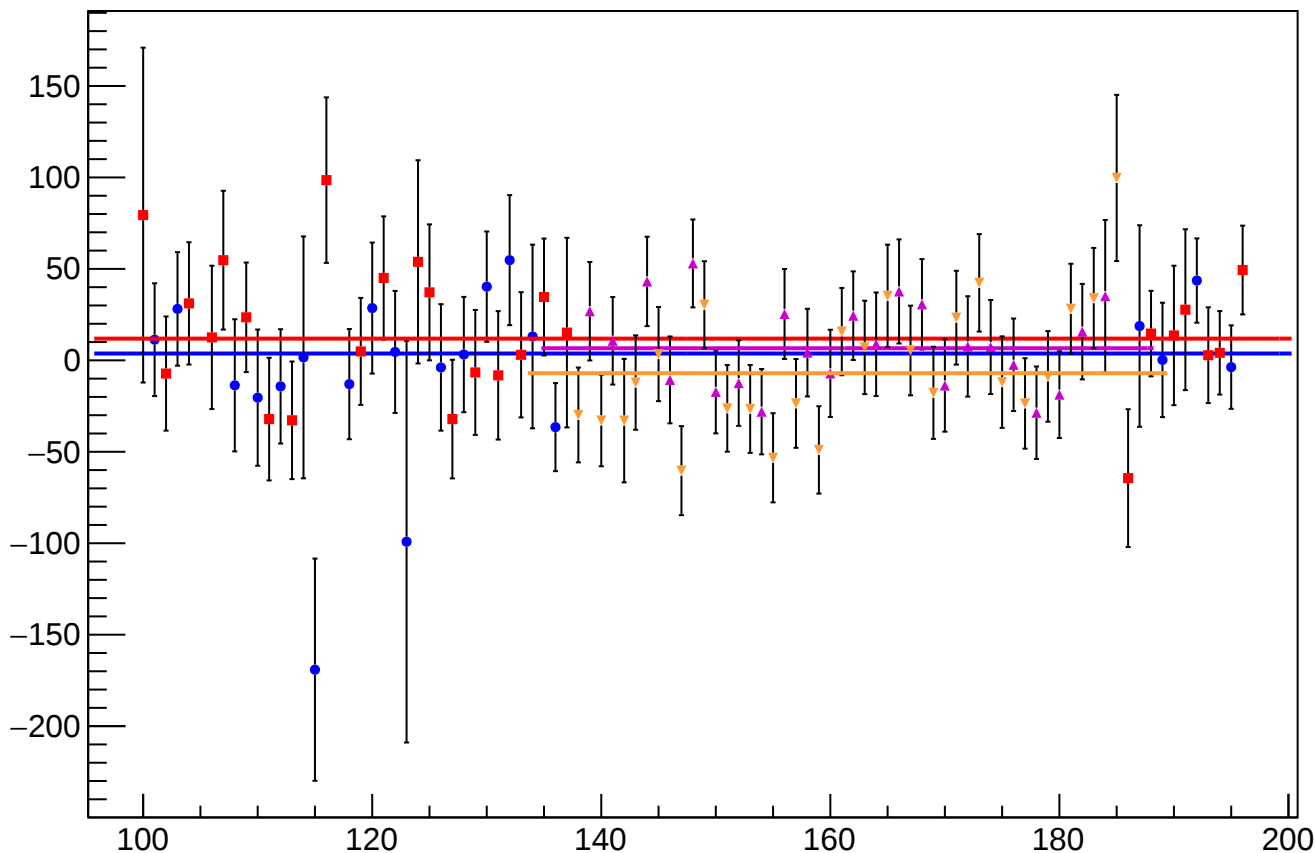
Left In: 15.892 $\pm$ 0.003 χ^2/NDF : 147093.3/22

+ sign 16.105 $\pm$ 0.002 χ^2/NDF : 235980.0/45

All: 16.118 $\pm$ 0.002 χ^2/NDF : 457813.9/94

- sign 16.129 $\pm$ 0.002 χ^2/NDF : 221769.9/48

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 3.731 ± 7.259 $\chi^2/\text{NDF}: 21.0/20$

Left Out: -7.017 ± 5.121 $\chi^2/\text{NDF}: 37.4/24$

Right Out: 11.878 ± 6.512 $\chi^2/\text{NDF}: 22.0/25$

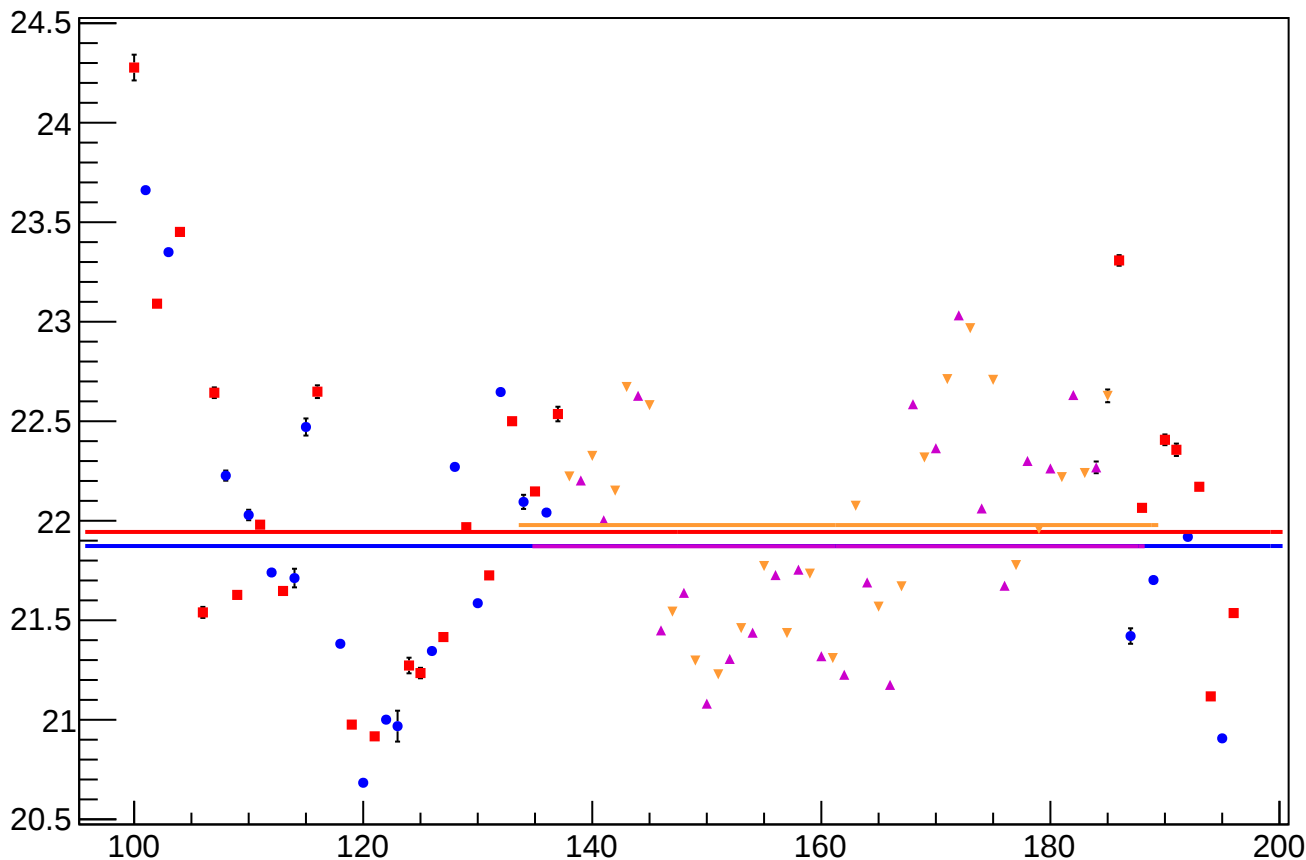
Left In: 6.611 ± 5.251 $\chi^2/\text{NDF}: 19.1/22$

+ sign -3.446 ± 4.185 $\chi^2/\text{NDF}: 59.9/45$

All: 2.763 ± 2.924 $\chi^2/\text{NDF}: 105.7/94$

- sign 8.687 ± 4.088 $\chi^2/\text{NDF}: 41.5/48$

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: 21.944+/-0.005 χ^2/NDF : 22872.5/25

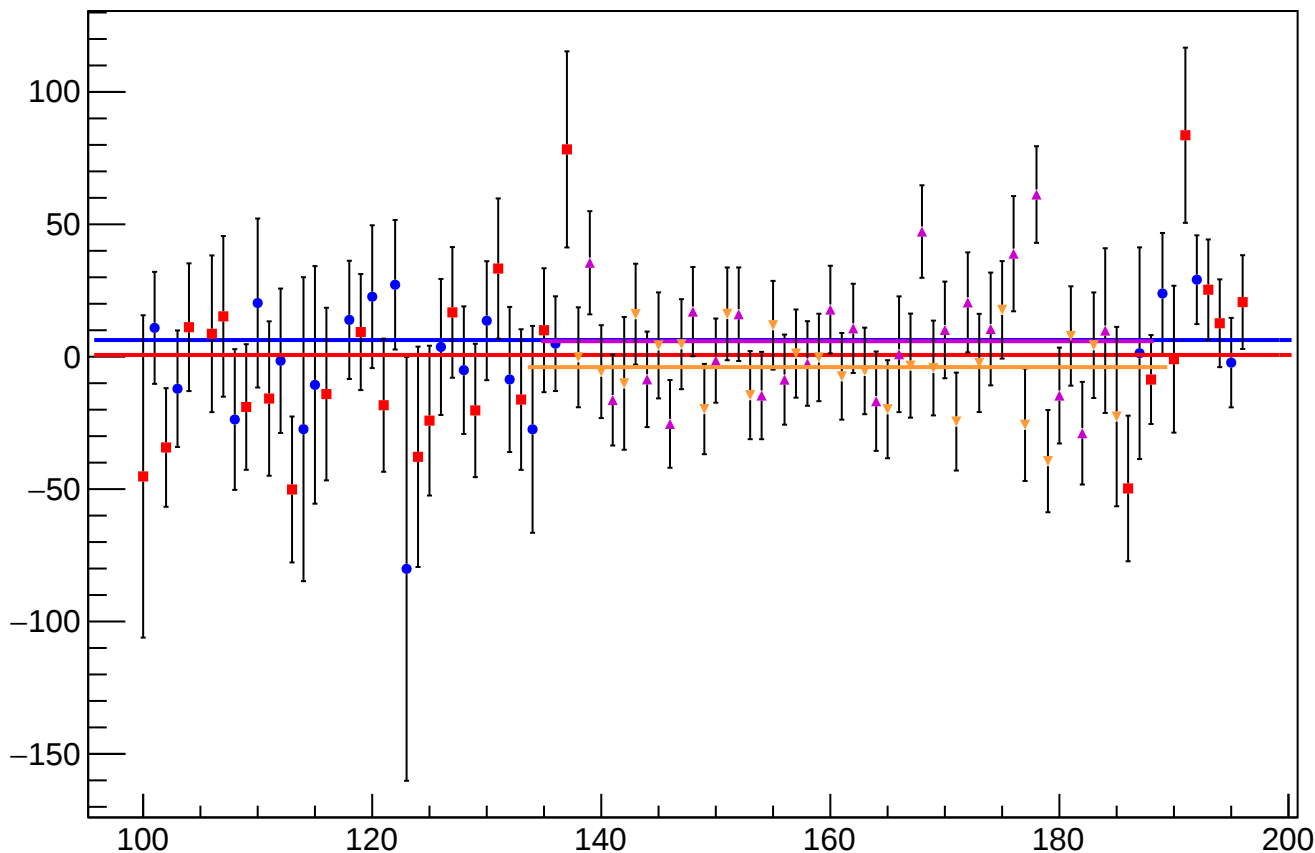
Left In: 21.872+/-0.004 χ^2/NDF :20524.9/22

+ sign 21.943+/-0.003 χ^2/NDF : 41515.1/45

All: 21.921+/-0.002 χ^2/NDF : 85169.9/94

- sign 21.900+/-0.003 χ^2/NDF : 43545.6/48

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 6.299 $\pm$ 5.424 χ^2 /NDF: 9.3/20

Left Out: -3.927 $\pm$ 3.688 χ^2 /NDF:14.0/24

Right Out: 0.667 $\pm$ 4.867 χ^2 /NDF: 31.5/25

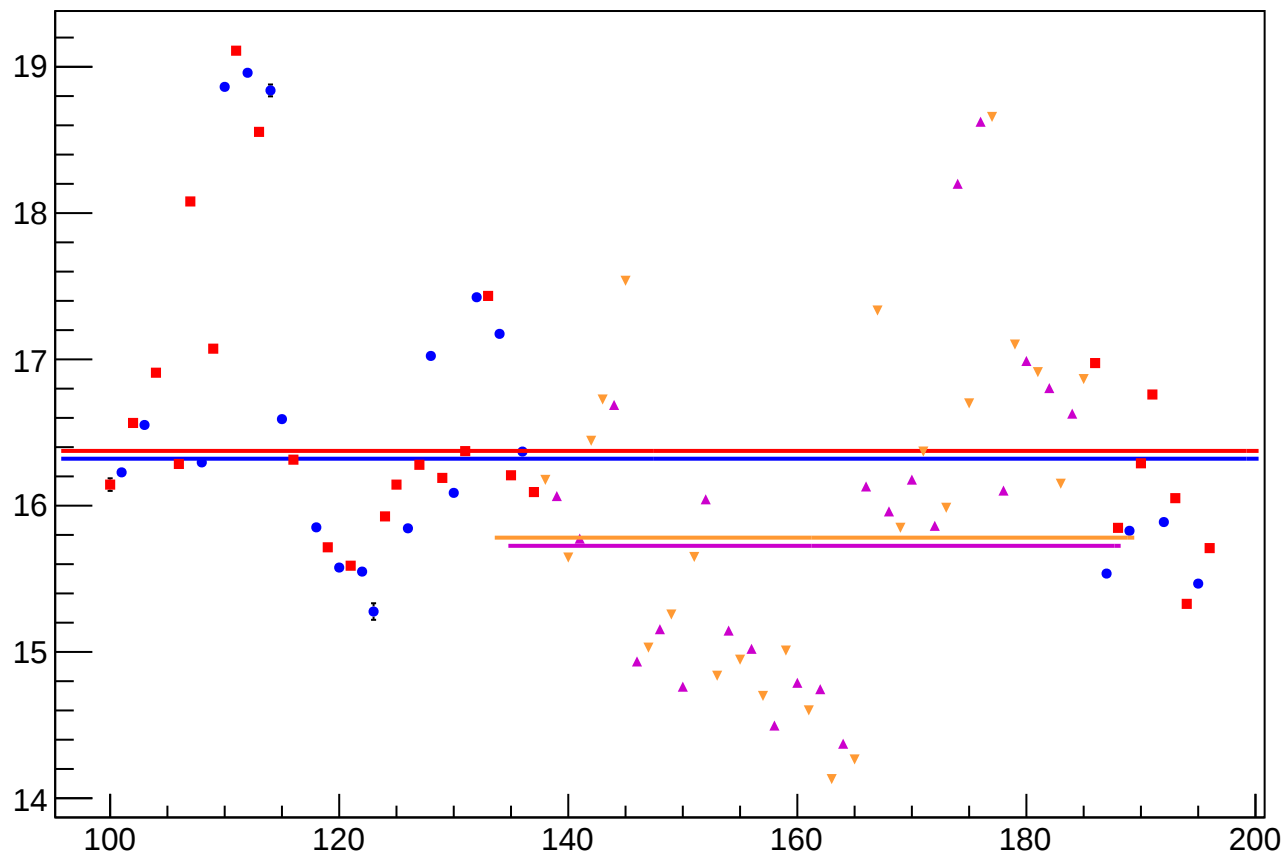
Left In: 5.861 $\pm$ 3.787 χ^2 /NDF:36.2/22

+ sign -0.695 $\pm$ 3.050 χ^2 /NDF: 25.7/45

All: 1.650 $\pm$ 2.135 χ^2 /NDF: 95.2/94

- sign 3.902 $\pm$ 2.989 χ^2 /NDF: 68.4/48

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.321 $\pm$ 0.004 χ^2 /NDF: 55311.0/20

Left Out: 15.781 $\pm$ 0.003 χ^2 /NDF: 172894.3/24

Right Out: 16.374 $\pm$ 0.003 χ^2 /NDF: 61593.9/25

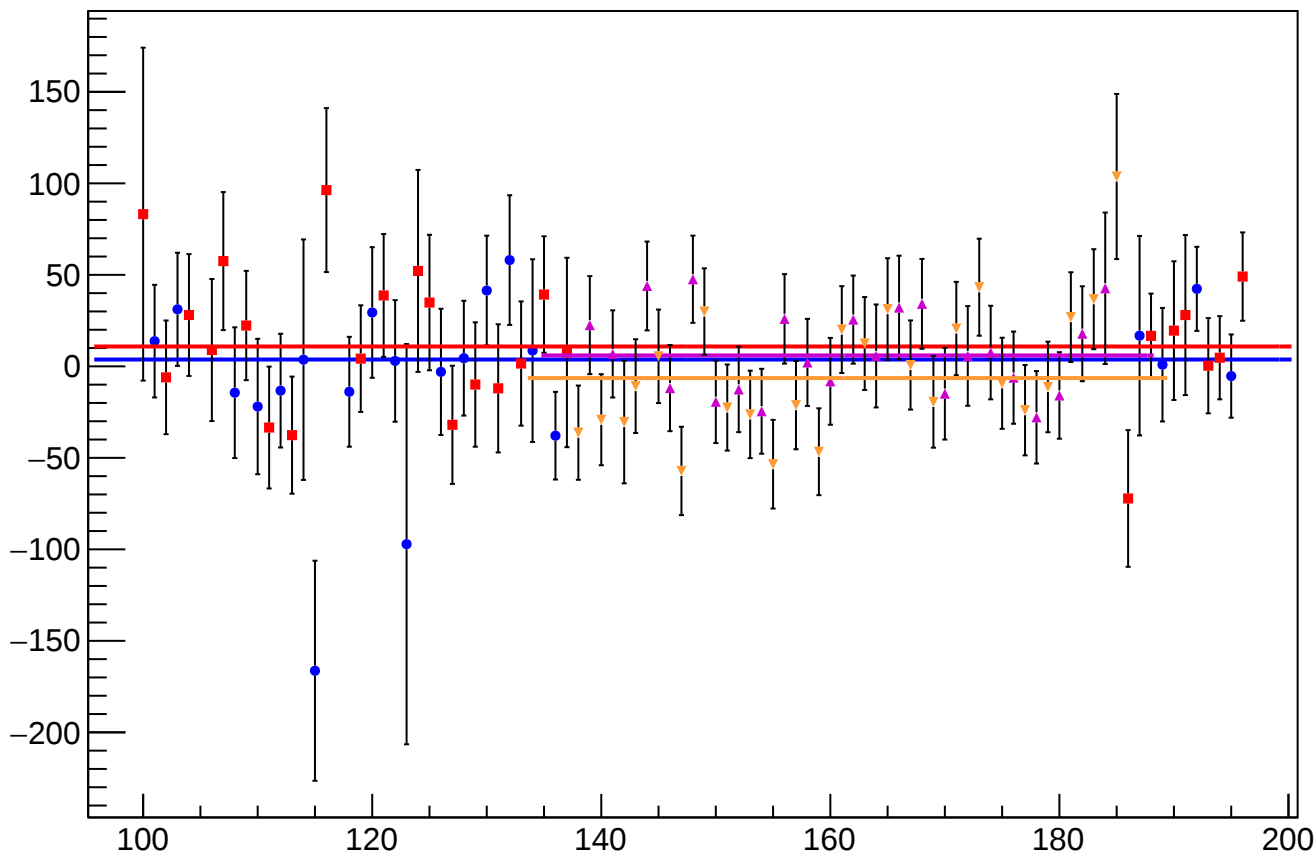
Left In: 15.725 $\pm$ 0.003 χ^2 /NDF: 145830.9/22

+ sign 15.952 $\pm$ 0.002 χ^2 /NDF: 241743.9/45

All: 15.961 $\pm$ 0.002 χ^2 /NDF: 471347.3/94

- sign 15.970 $\pm$ 0.002 χ^2 /NDF: 229567.0/48

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 3.734 ± 7.224 χ^2/NDF : 21.7/20

Left Out: -6.404 ± 5.091 χ^2/NDF : 37.4/24

Right Out: 10.857 ± 6.474 χ^2/NDF : 23.7/25

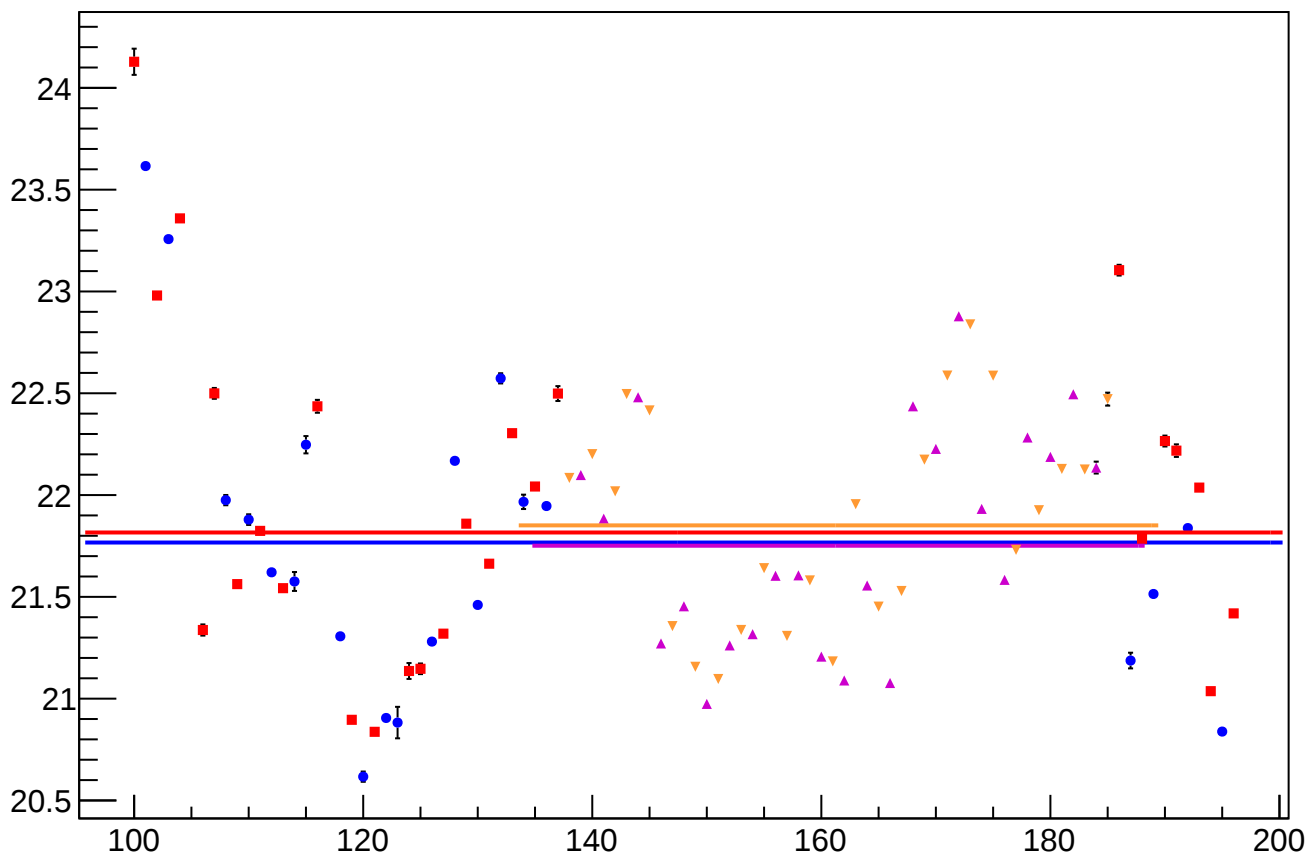
Left In: 5.978 ± 5.222 χ^2/NDF : 18.5/22

+ sign -3.039 ± 4.162 χ^2/NDF : 60.4/45

All: 2.560 ± 2.908 χ^2/NDF : 106.5/94

- sign 7.901 ± 4.065 χ^2/NDF : 42.6/48

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: 21.816 $\pm$ 0.005 χ^2 /NDF: 21930.8/25

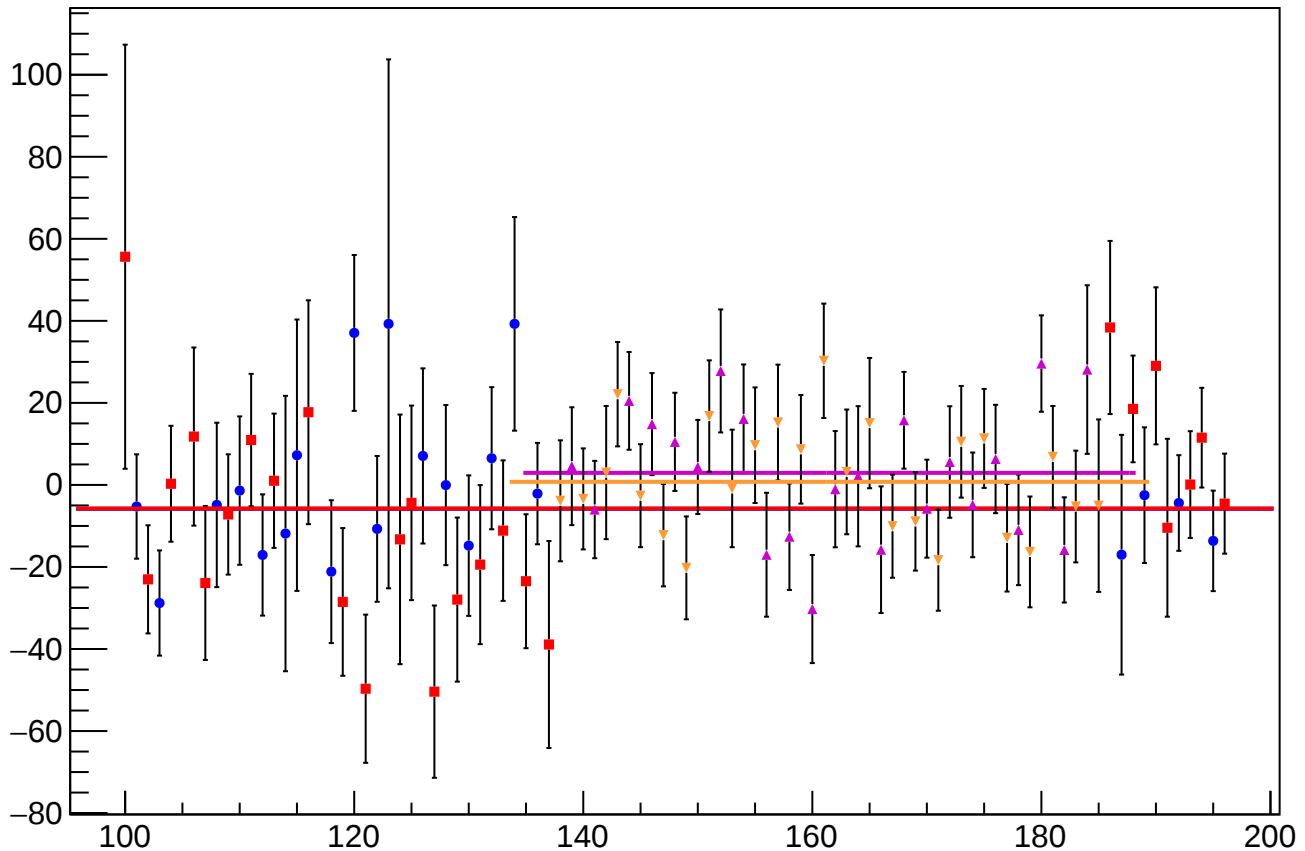
Left In: 21.751 $\pm$ 0.004 χ^2 /NDF:20516.3/22

+ sign 21.823 $\pm$ 0.003 χ^2 /NDF: 41809.6/45

All: 21.799 $\pm$ 0.002 χ^2 /NDF: 84505.9/94

- sign 21.777 $\pm$ 0.003 χ^2 /NDF: 42569.3/48

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: -5.750 ± 3.385 χ^2/NDF : 37.2/25

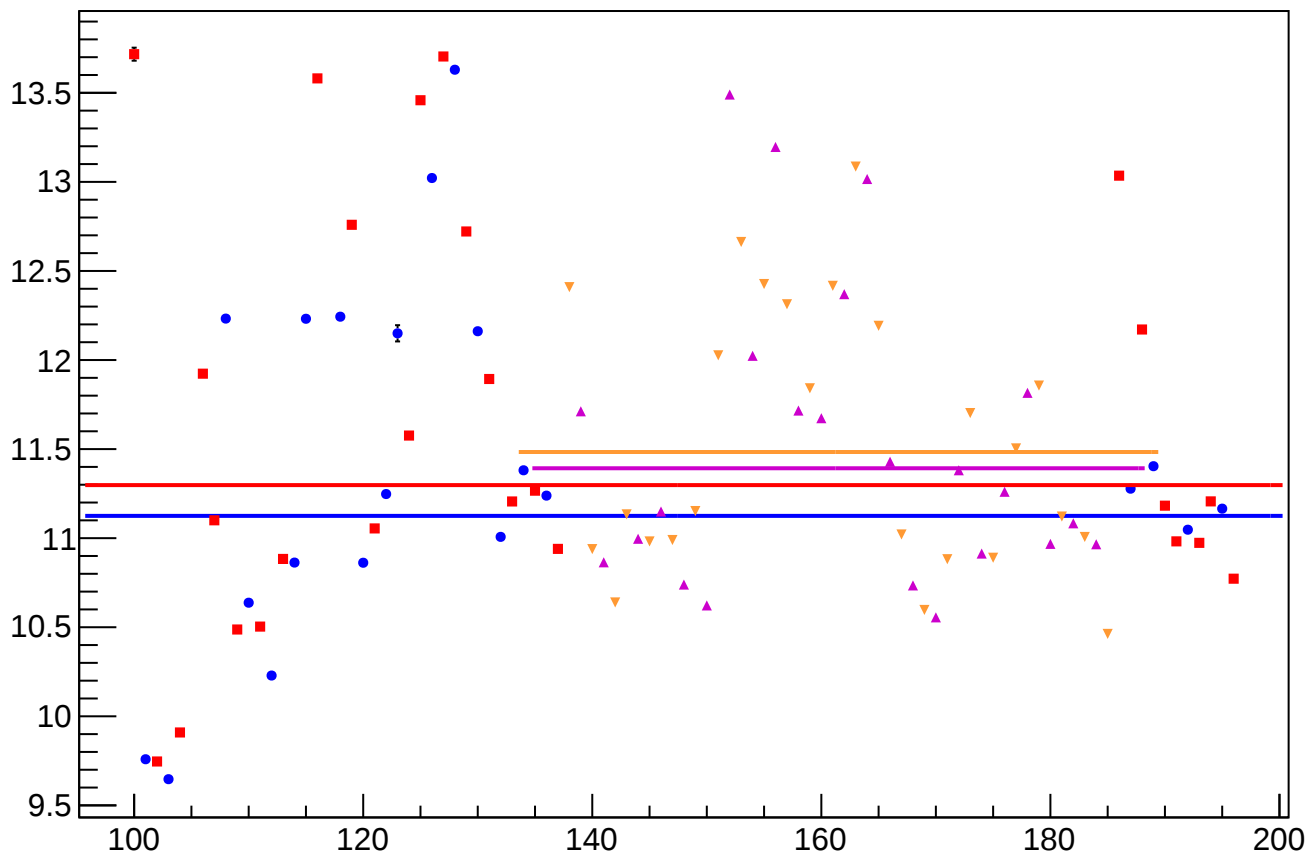
Left In: 2.944 ± 2.757 χ^2/NDF : 30.9/22

+ sign -1.503 ± 2.185 χ^2/NDF : 41.3/45

All: -1.003 ± 1.528 χ^2/NDF : 113.4/94

- sign -0.523 ± 2.138 χ^2/NDF : 72.1/48

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: 11.298 $\pm$ 0.002 χ^2 /NDF: 176732.4/25

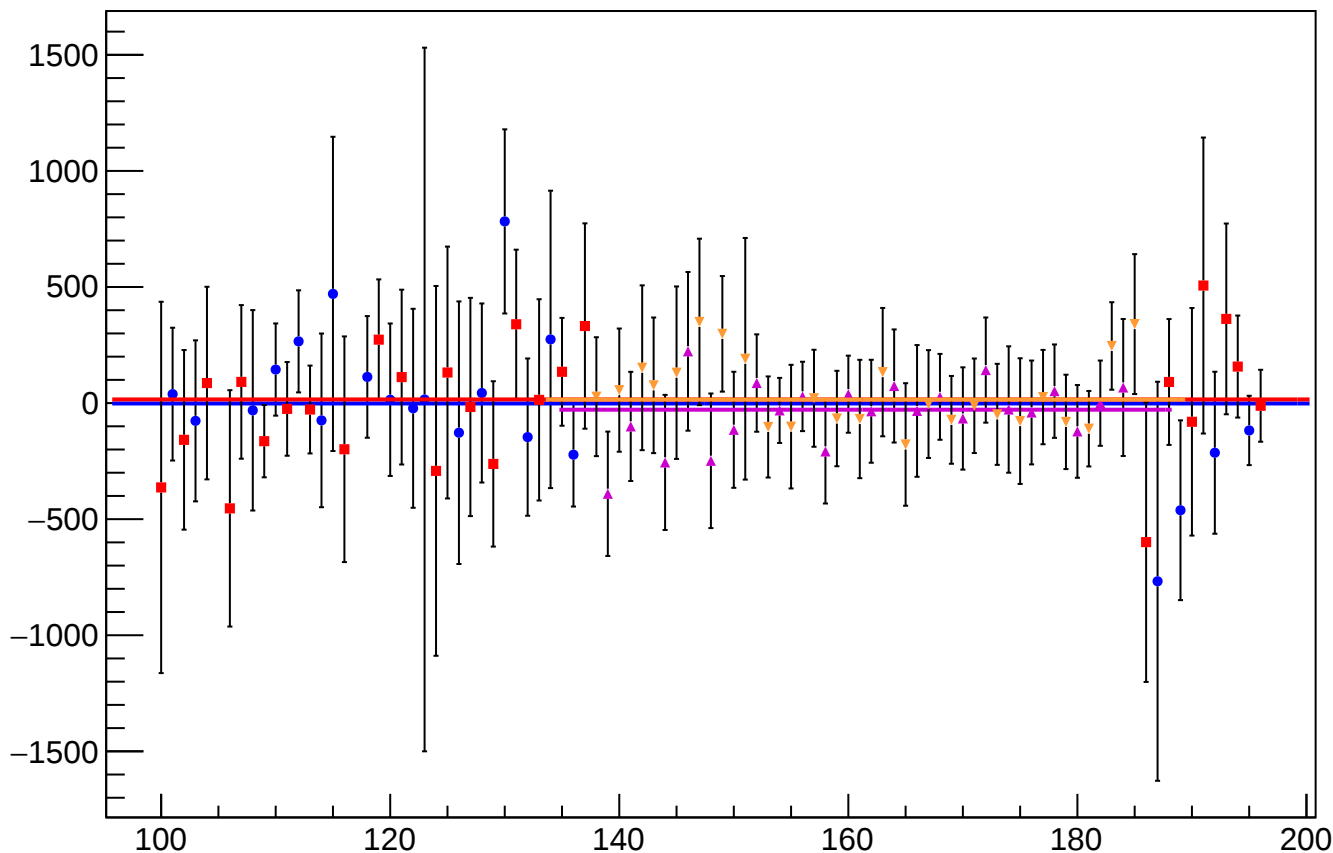
Left In: 11.392 $\pm$ 0.002 χ^2 /NDF:150493.3/22

+ sign 11.360 $\pm$ 0.002 χ^2 /NDF: 275320.6/45

All: 11.357 $\pm$ 0.001 χ^2 /NDF: 603490.3/94

- sign 11.355 $\pm$ 0.002 χ^2 /NDF: 328163.0/48

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: 15.755 ± 58.299 $\chi^2/\text{NDF}: 9.5/25$

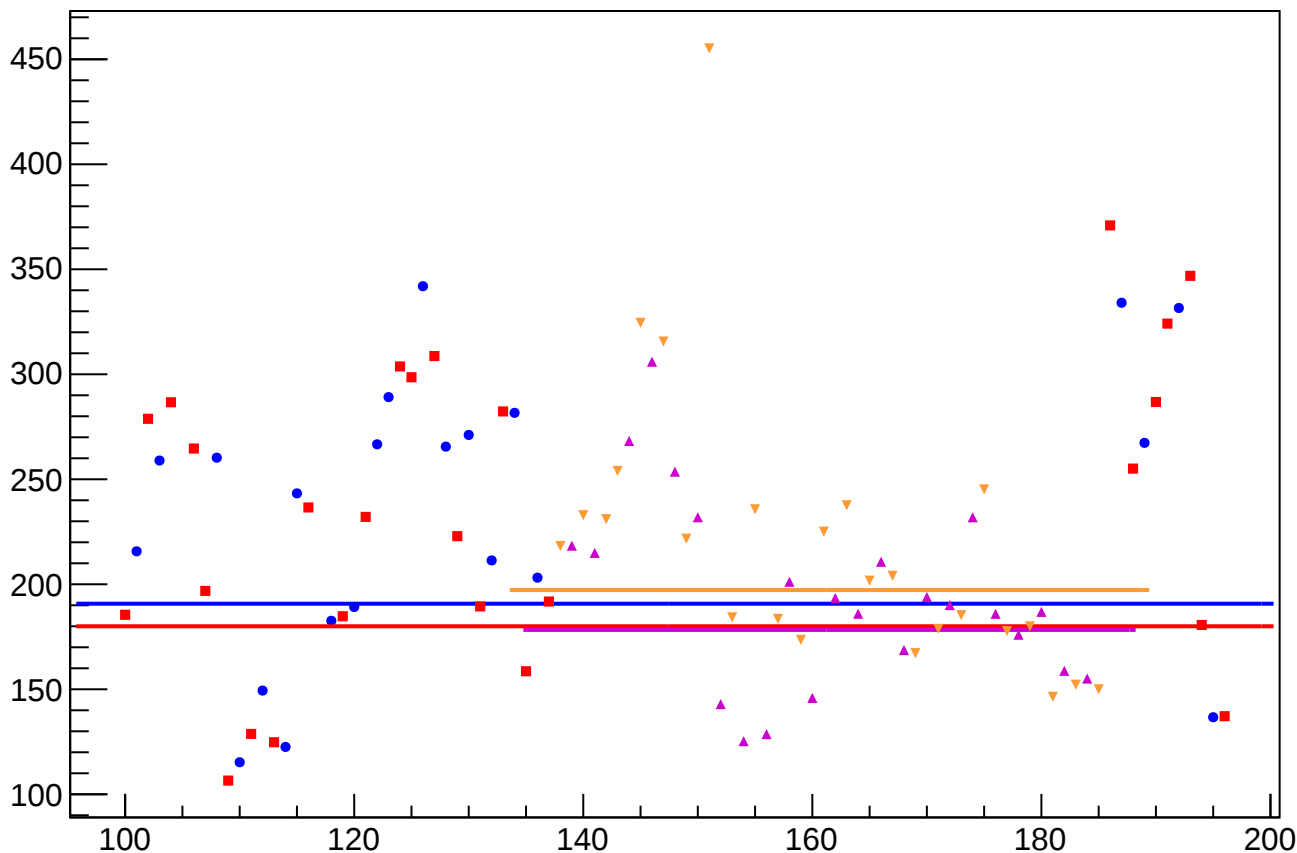
Left In: -28.500 ± 44.797 $\chi^2/\text{NDF}: 6.4/22$

+ sign 9.531 ± 38.957 $\chi^2/\text{NDF}: 19.3/45$

All: -2.264 ± 26.248 $\chi^2/\text{NDF}: 35.8/94$

- sign -12.071 ± 35.521 $\chi^2/\text{NDF}: 16.3/48$

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: 180.007 $\pm$ 0.041 χ^2 /NDF: 2622597.2/25

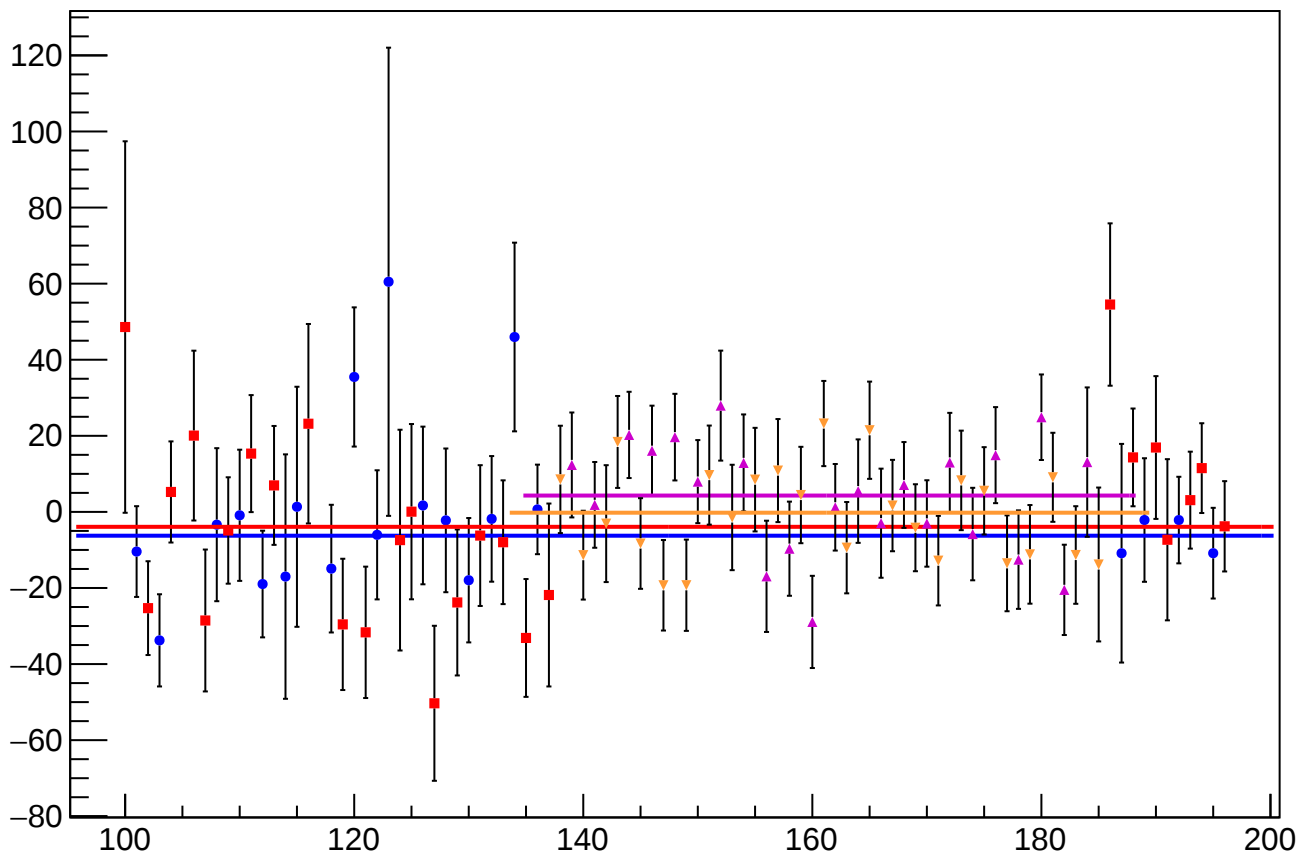
Left In: 178.277 $\pm$ 0.032 χ^2 /NDF: 1628916.6/22

+ sign 195.084 $\pm$ 0.028 χ^2 /NDF: 3531175.3/45

All: 186.257 $\pm$ 0.019 χ^2 /NDF: 7971812.6/94

- sign 178.919 $\pm$ 0.025 χ^2 /NDF: 4252621.0/48

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.257 ± 3.577 χ^2/NDF : 19.0/20

Left Out: -0.211 ± 2.523 χ^2/NDF : 24.5/24

Right Out: -3.920 ± 3.267 χ^2/NDF : 38.7/25

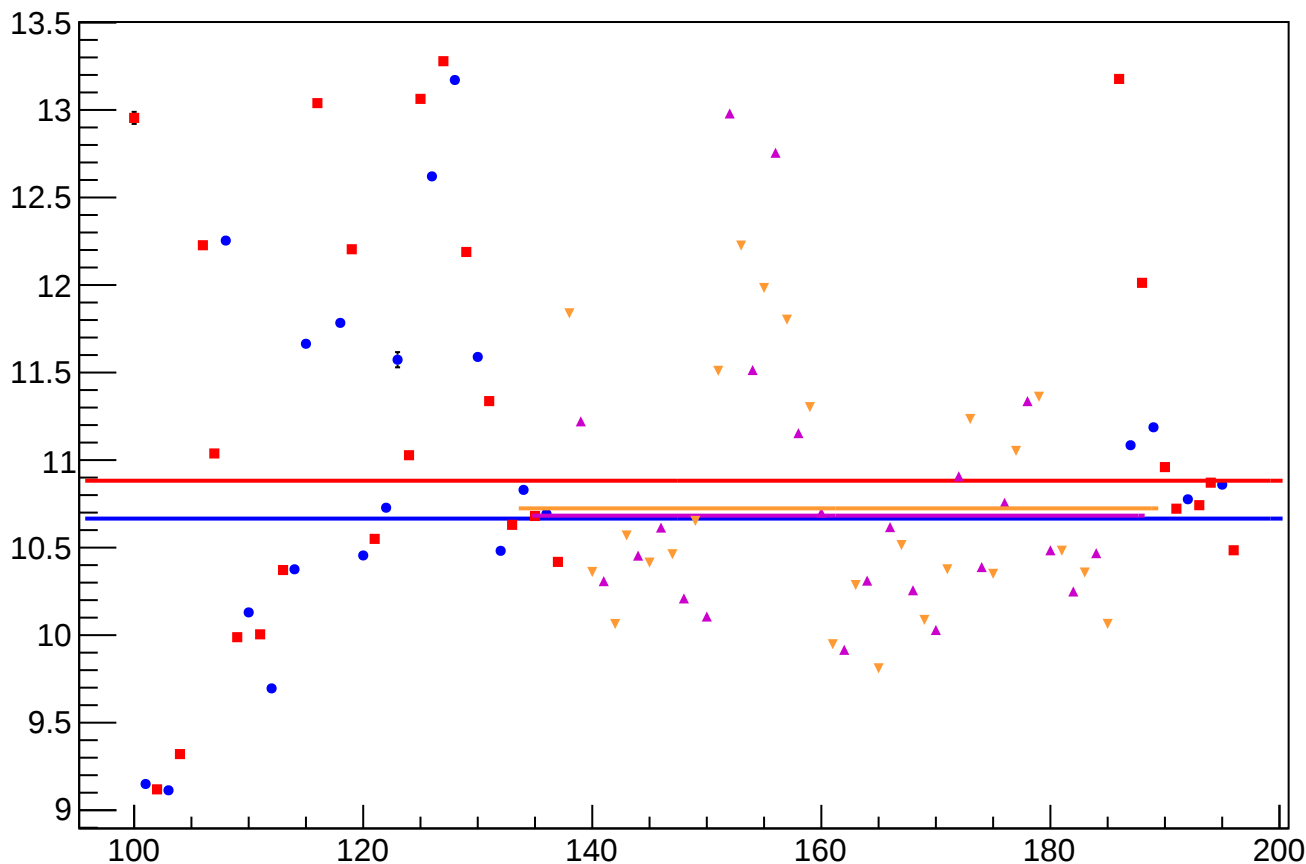
Left In: 4.298 ± 2.589 χ^2/NDF : 31.6/22

+ sign -2.220 ± 2.062 χ^2/NDF : 45.4/45

All: -0.520 ± 1.446 χ^2/NDF : 120.9/94

- sign 1.127 ± 2.029 χ^2/NDF : 74.2/48

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: 10.882 $\pm$ 0.002 χ^2 /NDF: 221282.0/25

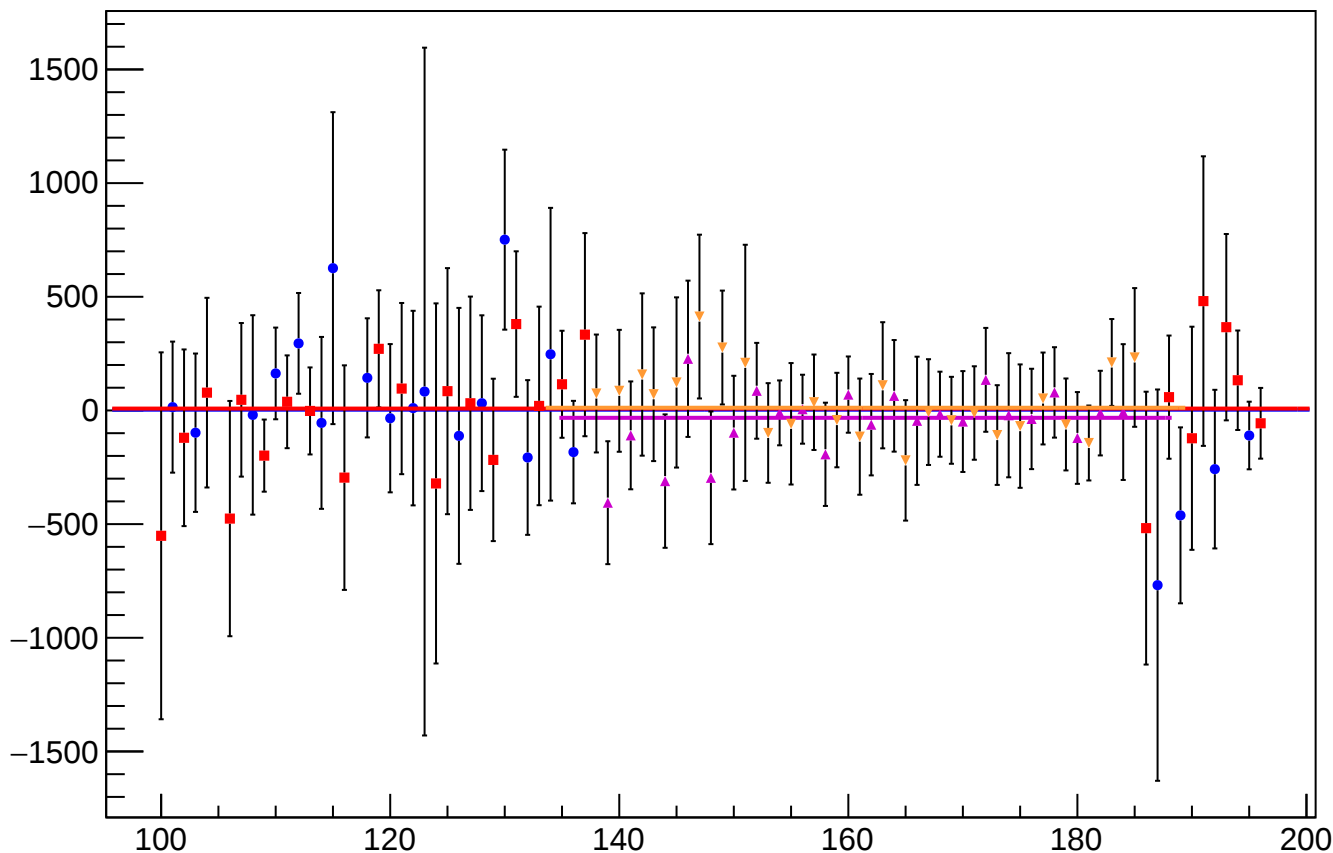
Left In: 10.683 $\pm$ 0.002 χ^2 /NDF:147835.6/22

+ sign 10.705 $\pm$ 0.001 χ^2 /NDF: 296688.8/45

All: 10.733 $\pm$ 0.001 χ^2 /NDF: 671106.7/94

- sign 10.760 $\pm$ 0.001 χ^2 /NDF: 373700.0/48

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: 8.243 ± 58.694 χ^2/NDF : 10.1/25

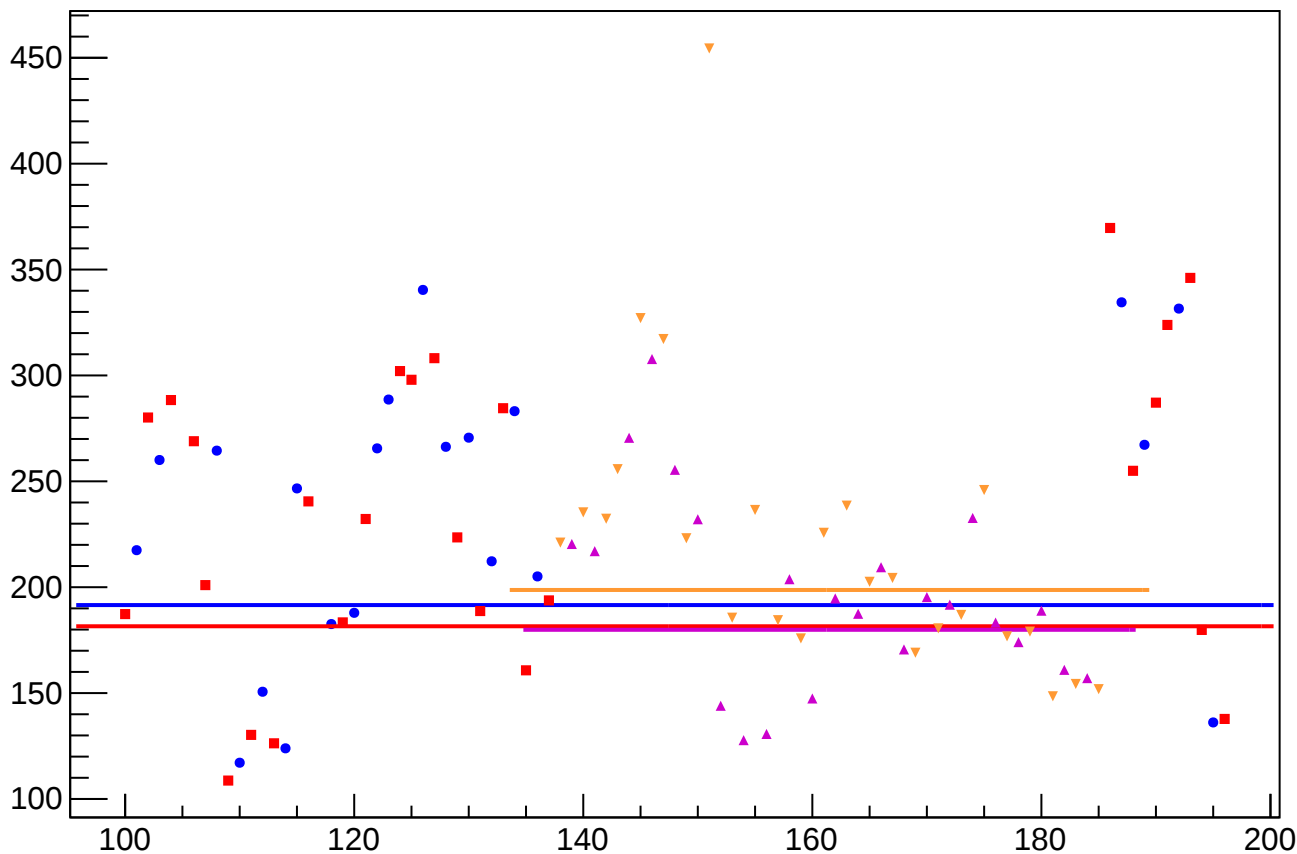
Left In: -32.413 ± 45.155 χ^2/NDF : 6.9/22

+ sign 9.027 ± 39.180 χ^2/NDF : 19.5/45

All: -5.323 ± 26.424 χ^2/NDF : 37.0/94

- sign -17.297 ± 35.789 χ^2/NDF : 17.3/48

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: 181.554 $\pm$ 0.042 χ^2 /NDF: 2561035.7/25

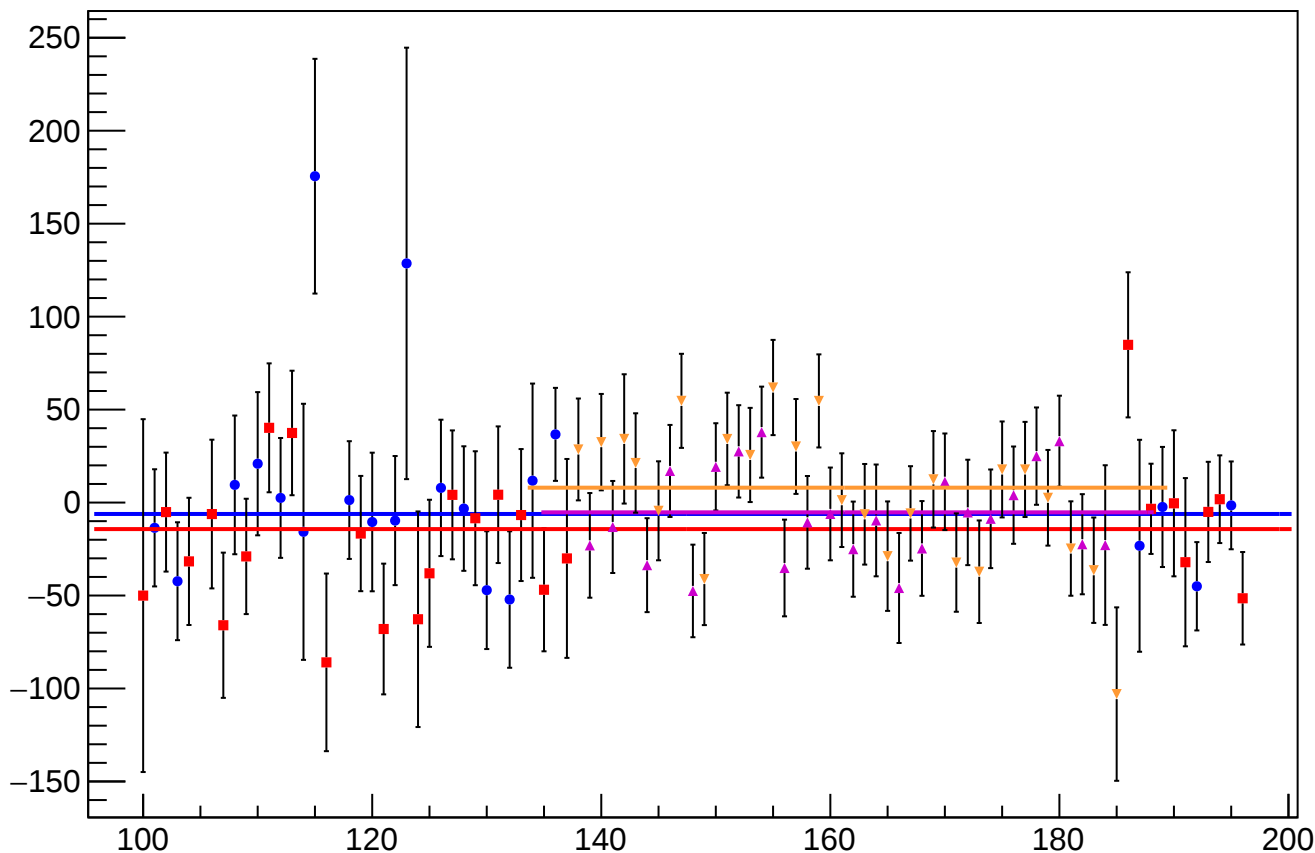
Left In: 179.886 $\pm$ 0.032 χ^2 /NDF:1580636.4/22

+ sign 196.311 $\pm$ 0.028 χ^2 /NDF: 3491932.0/45

All: 187.695 $\pm$ 0.019 χ^2 /NDF: 7812019.3/94

- sign 180.506 $\pm$ 0.025 χ^2 /NDF: 4142686.3/48

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: -14.268 ± 6.759 $\chi^2/\text{NDF}: 24.4/25$

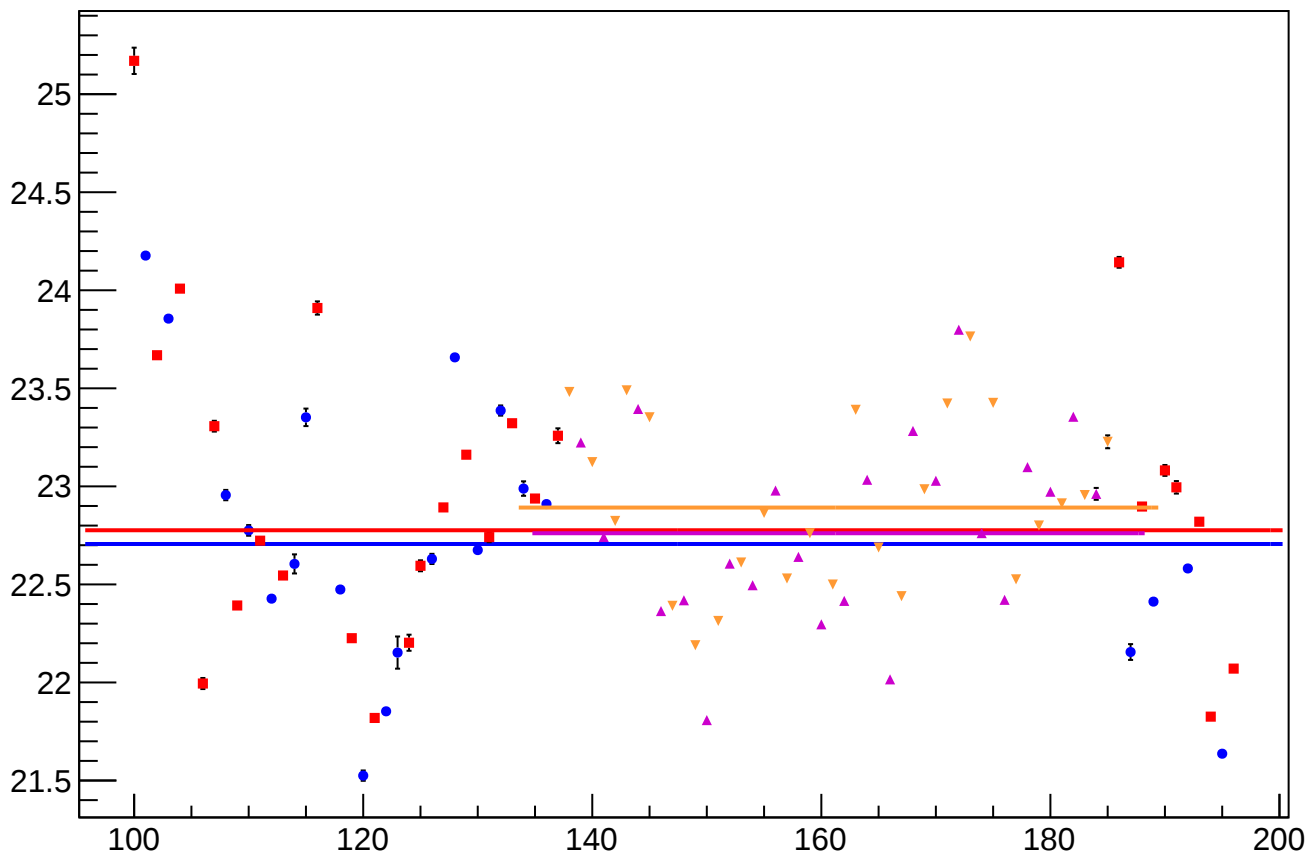
Left In: -5.261 ± 5.465 $\chi^2/\text{NDF}: 20.8/22$

+ sign 3.284 ± 4.354 $\chi^2/\text{NDF}: 60.9/45$

All: -2.915 ± 3.041 $\chi^2/\text{NDF}: 111.1/94$

- sign -8.822 ± 4.249 $\chi^2/\text{NDF}: 46.3/48$

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: 22.776 $\pm$ 0.005 χ^2 /NDF: 18904.3/25

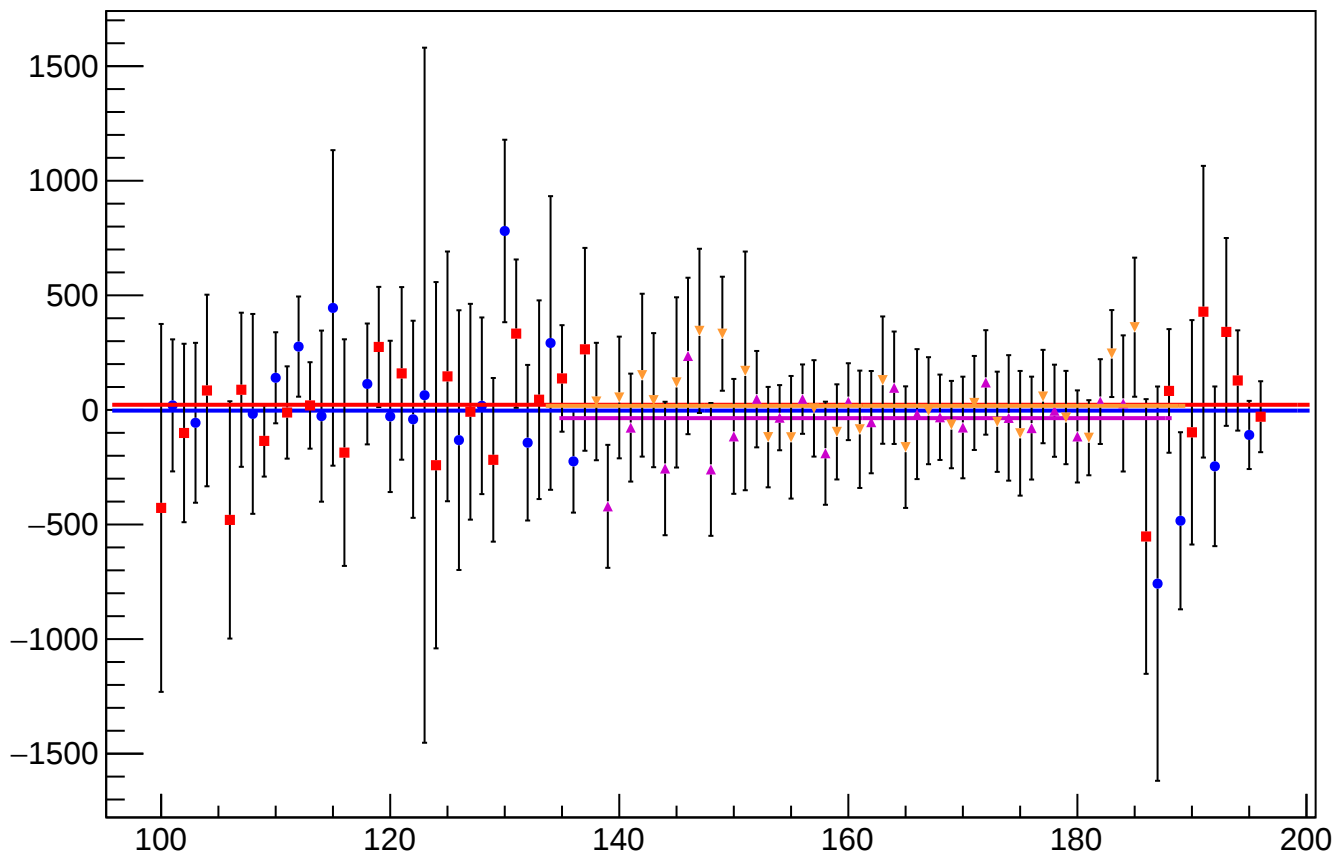
Left In: 22.761 $\pm$ 0.004 χ^2 /NDF:14550.0/22

+ sign 22.830 $\pm$ 0.003 χ^2 /NDF: 31632.6/45

All: 22.798 $\pm$ 0.002 χ^2 /NDF: 65306.9/94

- sign 22.767 $\pm$ 0.003 χ^2 /NDF: 33460.4/48

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -3.048 ± 67.540 $\chi^2/\text{NDF}: 11.4/20$

Left Out: 17.777 ± 47.941 $\chi^2/\text{NDF}: 8.5/24$

Right Out: 22.487 ± 58.351 $\chi^2/\text{NDF}: 8.2/25$

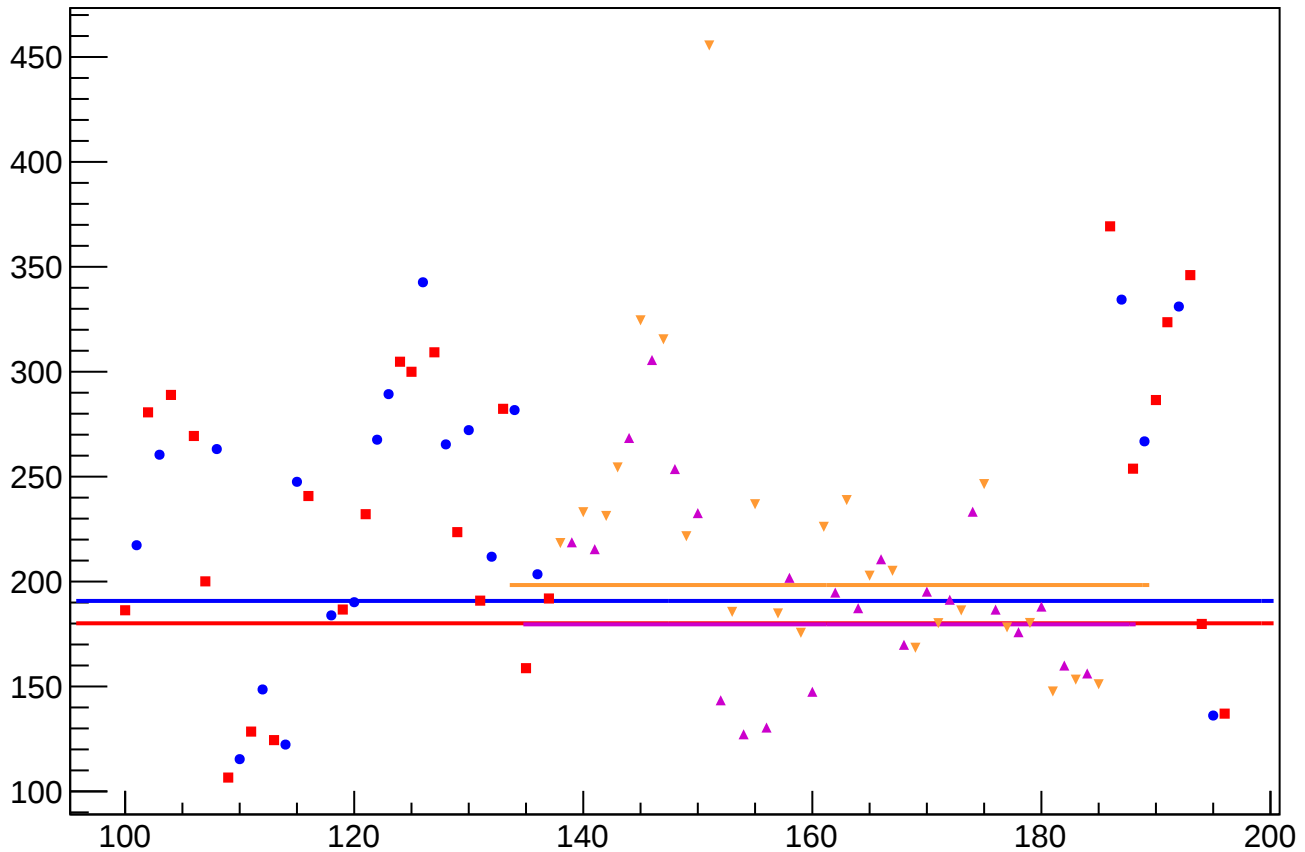
Left In: -35.879 ± 45.087 $\chi^2/\text{NDF}: 6.3/22$

+ sign 10.800 ± 39.094 $\chi^2/\text{NDF}: 20.0/45$

All: -2.763 ± 26.353 $\chi^2/\text{NDF}: 35.4/94$

- sign -14.059 ± 35.677 $\chi^2/\text{NDF}: 15.1/48$

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: 180.106 $\pm$ 0.041 χ^2 /NDF: 2641422.4/25

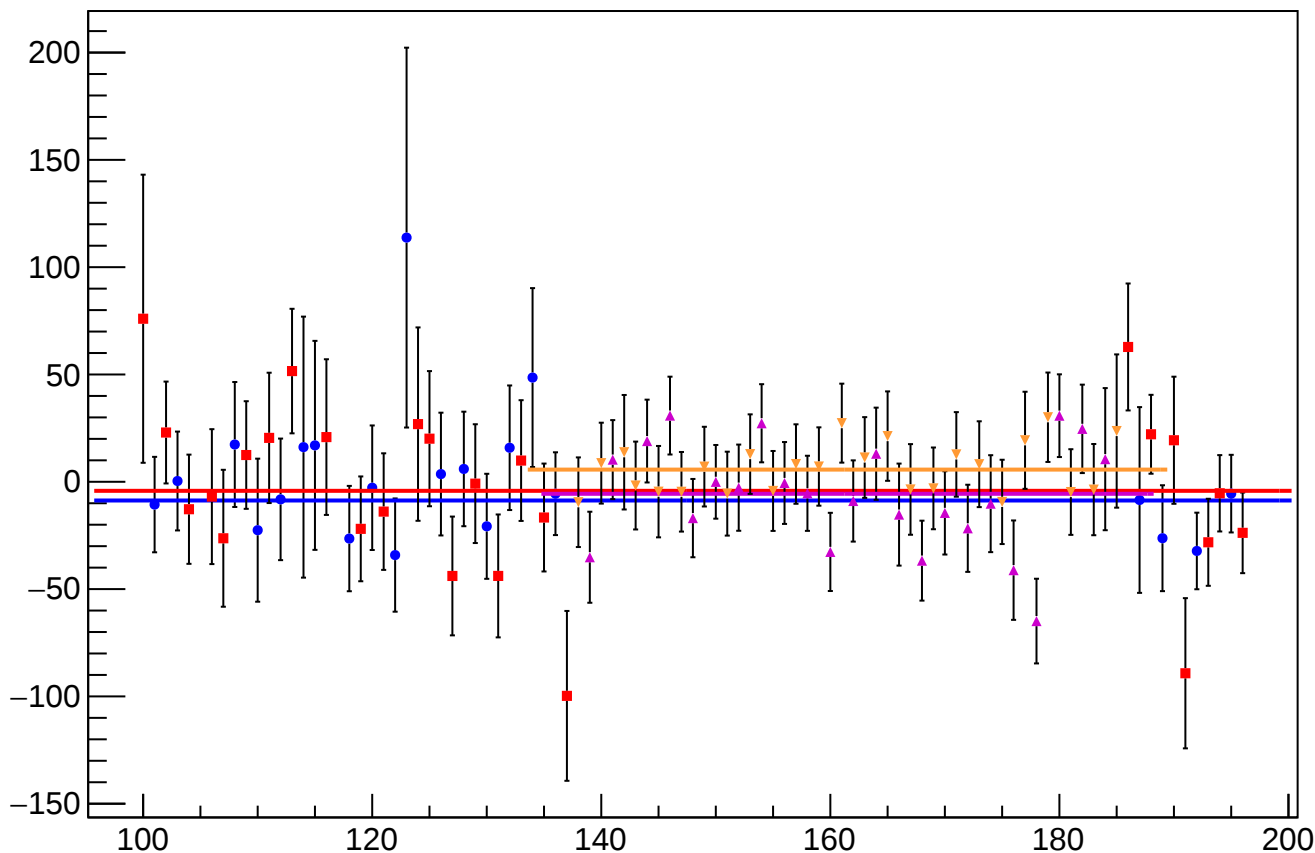
Left In: 179.605 $\pm$ 0.032 χ^2 /NDF: 1575744.0/22

+ sign 195.805 $\pm$ 0.028 χ^2 /NDF: 3527204.2/45

All: 187.069 $\pm$ 0.019 χ^2 /NDF: 7927536.8/94

- sign 179.792 $\pm$ 0.025 χ^2 /NDF: 4217259.0/48

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: -4.211 $\pm$ 5.234 χ^2/NDF : 36.9/25

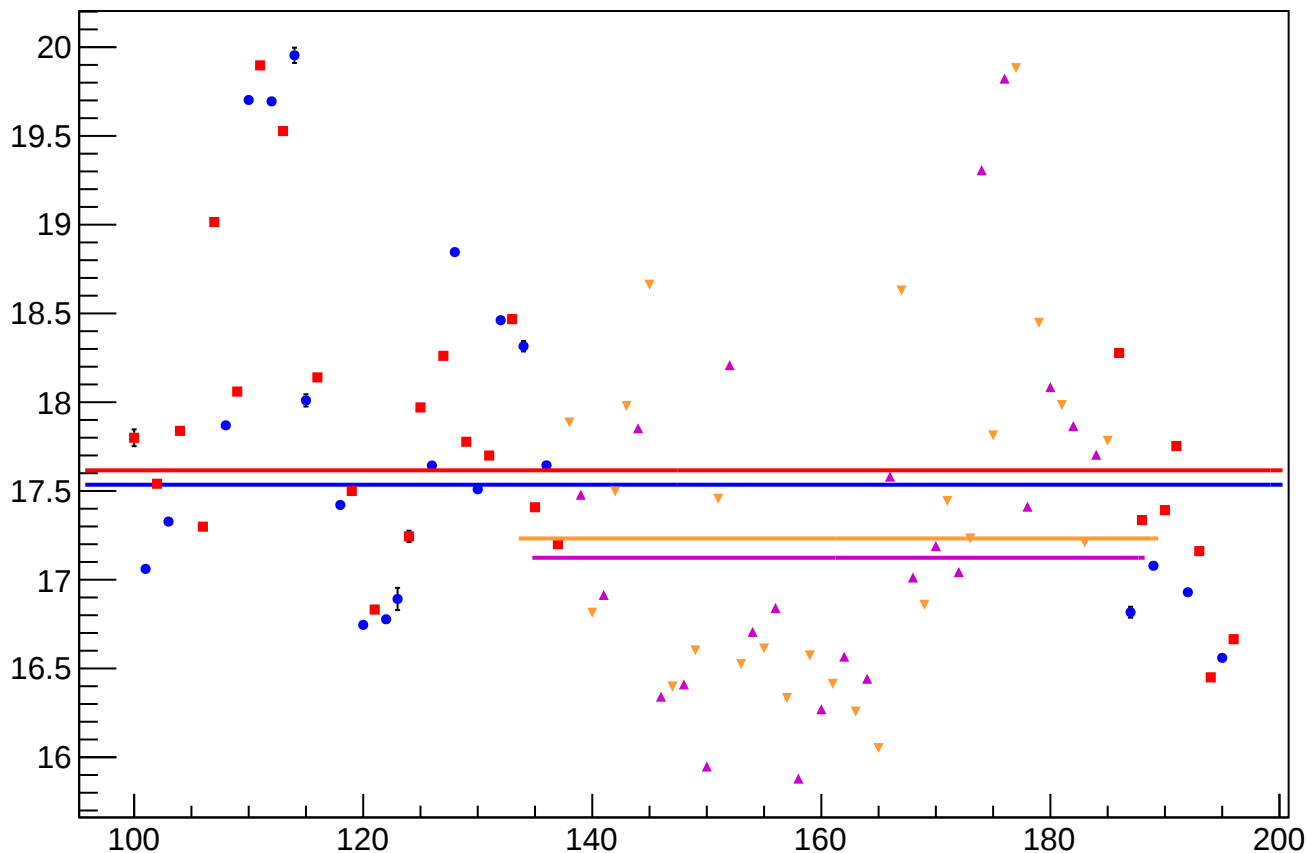
Left In: -5.595 $\pm$ 4.121 χ^2/NDF : 36.4/22

+ sign 1.031 $\pm$ 3.311 χ^2/NDF : 22.5/45

All: -2.085 $\pm$ 2.315 χ^2/NDF : 97.5/94

- sign -5.065 $\pm$ 3.238 χ^2/NDF : 73.3/48

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: 17.616 $\pm$ 0.004 χ^2 /NDF: 47046.1/25

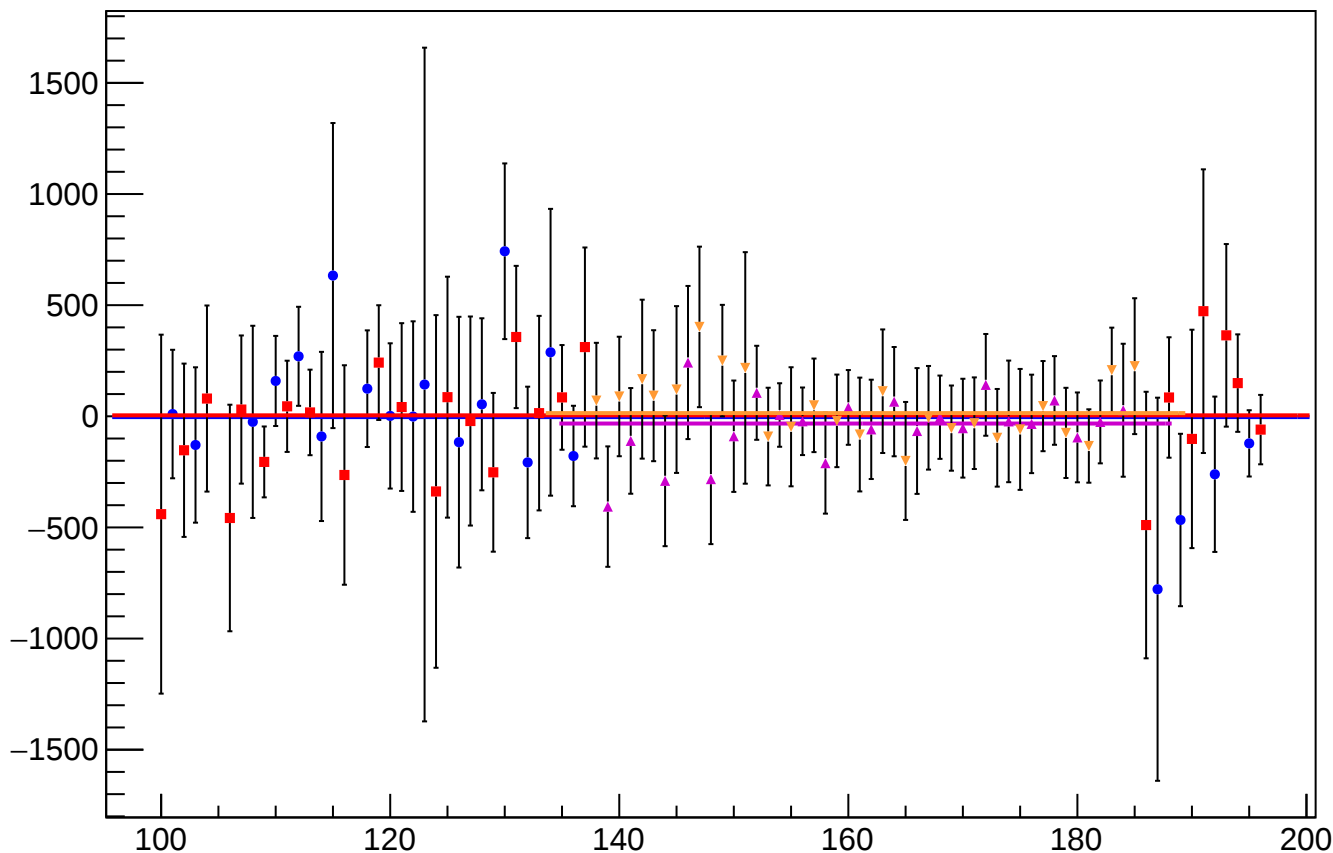
Left In: 17.124 $\pm$ 0.003 χ^2 /NDF: 100747.0/22

+ sign 17.330 $\pm$ 0.002 χ^2 /NDF: 147432.0/45

All: 17.321 $\pm$ 0.002 χ^2 /NDF: 306184.6/94

- sign 17.312 $\pm$ 0.002 χ^2 /NDF: 158722.4/48

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: 4.321 ± 58.825 χ^2/NDF : 9.5/25

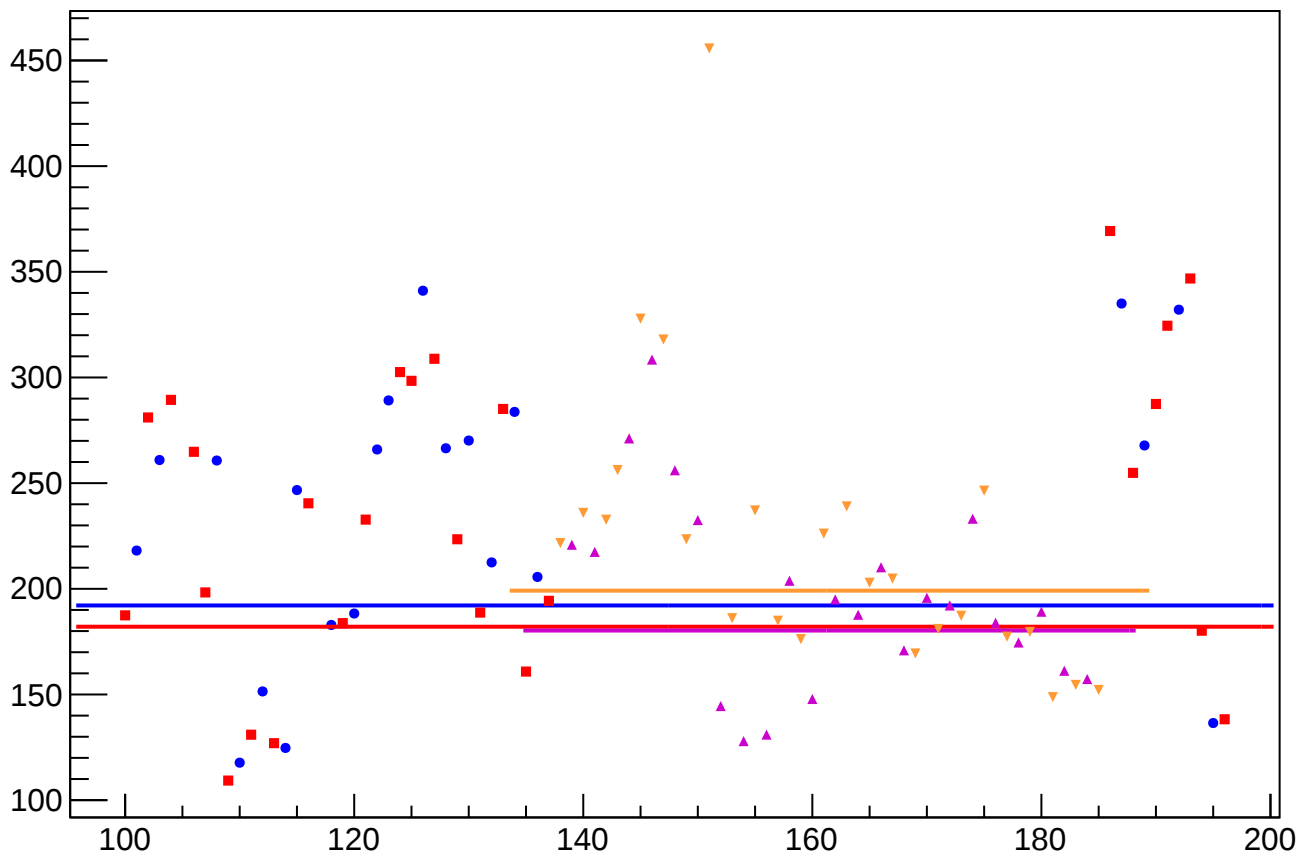
Left In: -32.571 ± 45.248 χ^2/NDF : 6.7/22

+ sign 8.362 ± 39.270 χ^2/NDF : 18.6/45

All: -6.479 ± 26.482 χ^2/NDF : 35.3/94

- sign -18.857 ± 35.865 χ^2/NDF : 16.5/48

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 192.123 $\pm$ 0.048 χ^2 /NDF: 1702020.1/20

Left Out: 199.136 $\pm$ 0.034 χ^2 /NDF:1760298.1/24

Right Out: 182.065 $\pm$ 0.042 χ^2 /NDF: 2537461.6/25

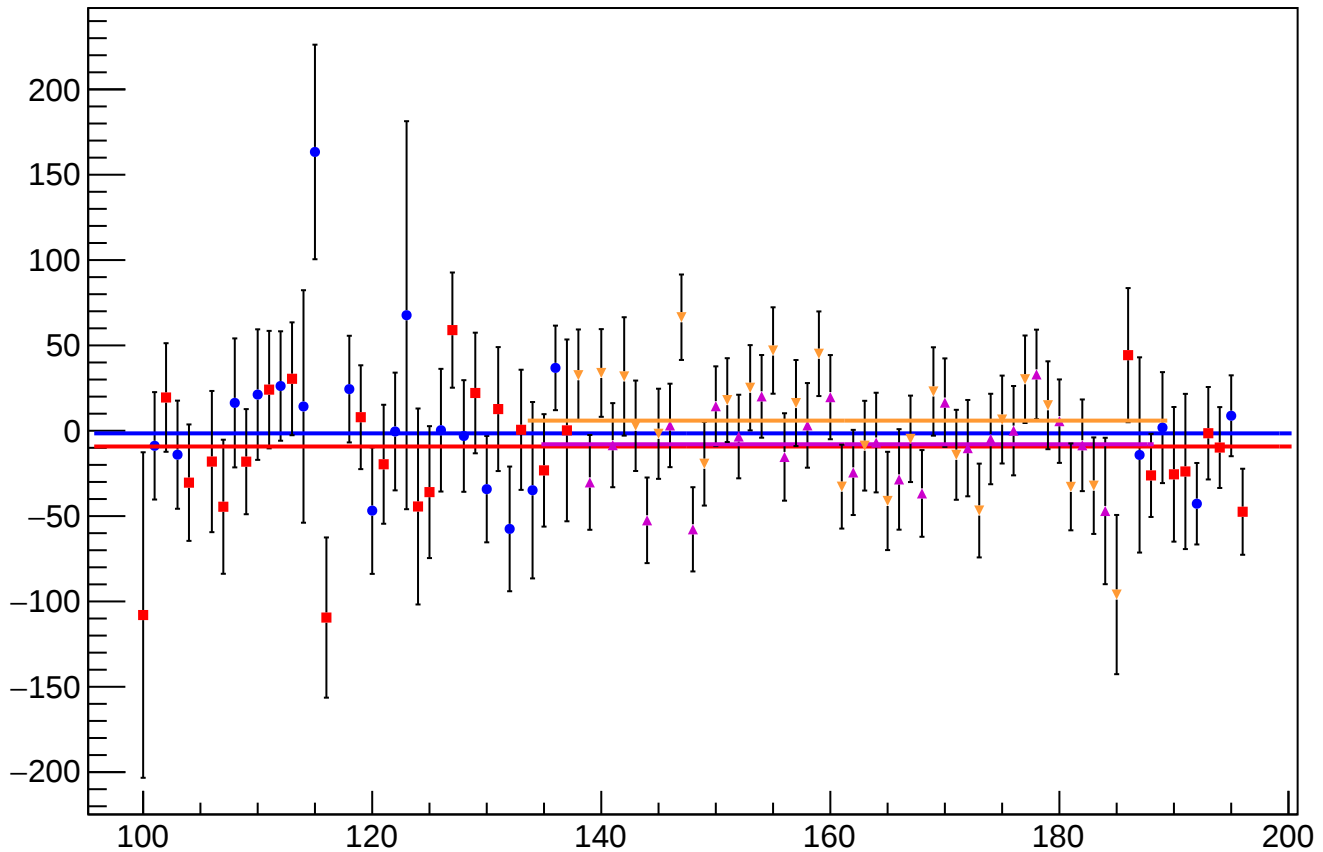
Left In: 180.256 $\pm$ 0.032 χ^2 /NDF:1580553.5/22

+ sign 196.792 $\pm$ 0.028 χ^2 /NDF: 3476511.9/45

All: 188.143 $\pm$ 0.019 χ^2 /NDF: 7773642.6/94

- sign 180.929 $\pm$ 0.025 χ^2 /NDF: 4119203.7/48

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: -1.530 ± 7.498 χ^2/NDF : 20.5/20

Left Out: 5.937 ± 5.285 χ^2/NDF : 36.1/24

Right Out: -9.224 ± 6.737 χ^2/NDF : 21.9/25

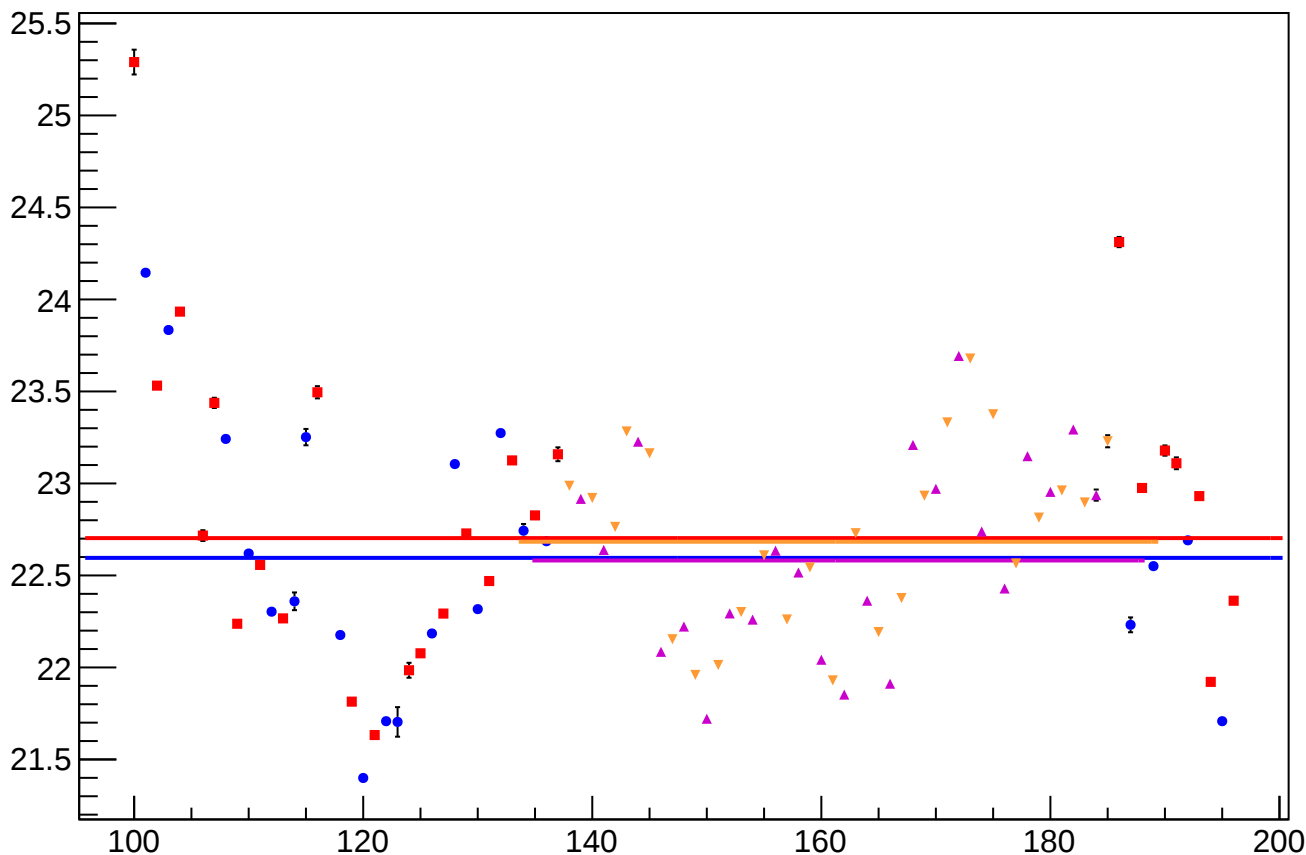
Left In: -7.915 ± 5.422 χ^2/NDF : 18.7/22

+ sign 3.459 ± 4.320 χ^2/NDF : 57.3/45

All: -2.619 ± 3.020 χ^2/NDF : 101.8/94

- sign -8.430 ± 4.224 χ^2/NDF : 40.6/48

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: 22.703 $\pm$ 0.005 χ^2 /NDF: 19554.0/25

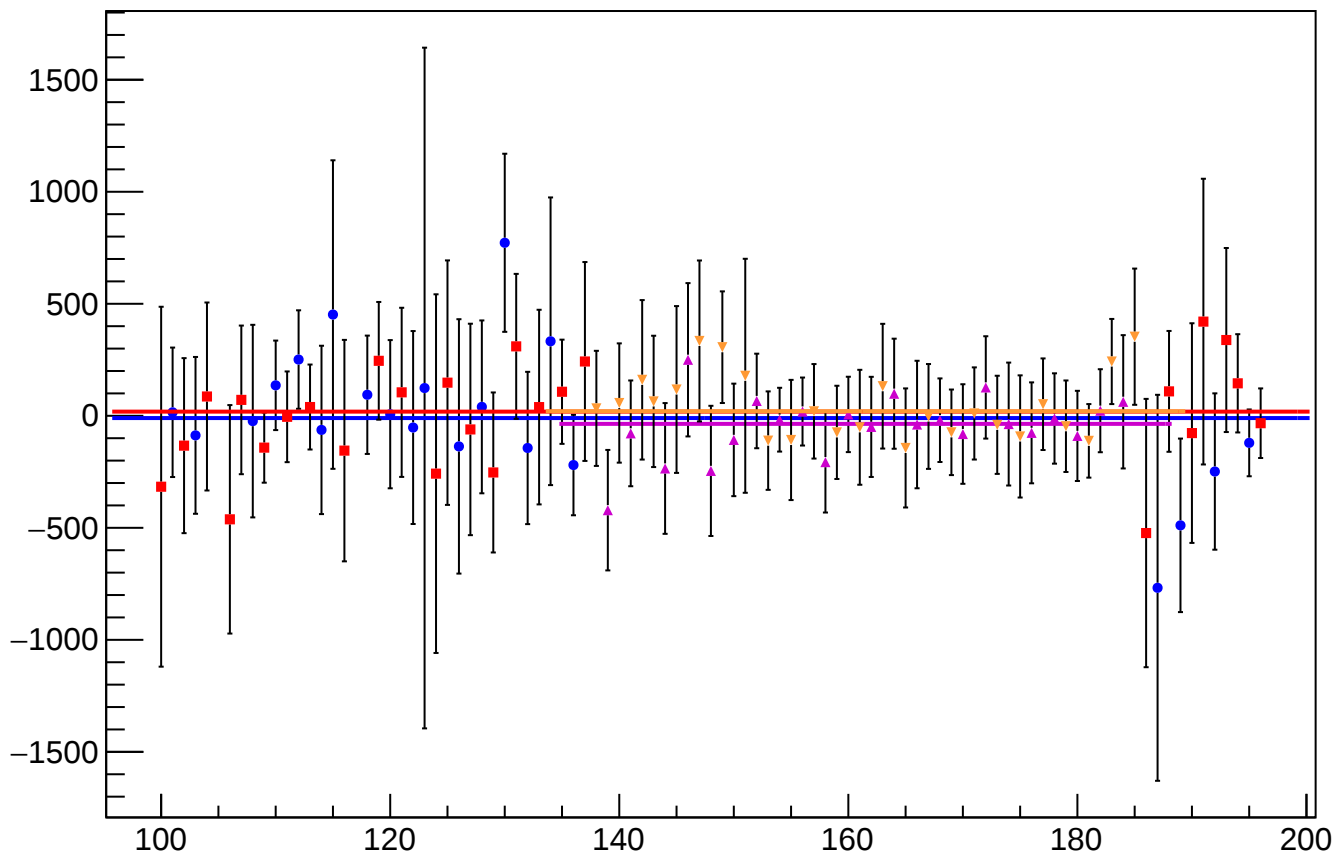
Left In: 22.581 $\pm$ 0.004 χ^2 /NDF: 17904.5/22

+ sign 22.654 $\pm$ 0.003 χ^2 /NDF: 33861.7/45

All: 22.641 $\pm$ 0.002 χ^2 /NDF: 71749.8/94

- sign 22.629 $\pm$ 0.003 χ^2 /NDF: 37853.9/48

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: -10.089 ± 67.707 $\chi^2/\text{NDF}: 11.2/20$

Left Out: 20.306 ± 48.049 $\chi^2/\text{NDF}: 7.7/24$

Right Out: 18.659 ± 58.485 $\chi^2/\text{NDF}: 7.7/25$

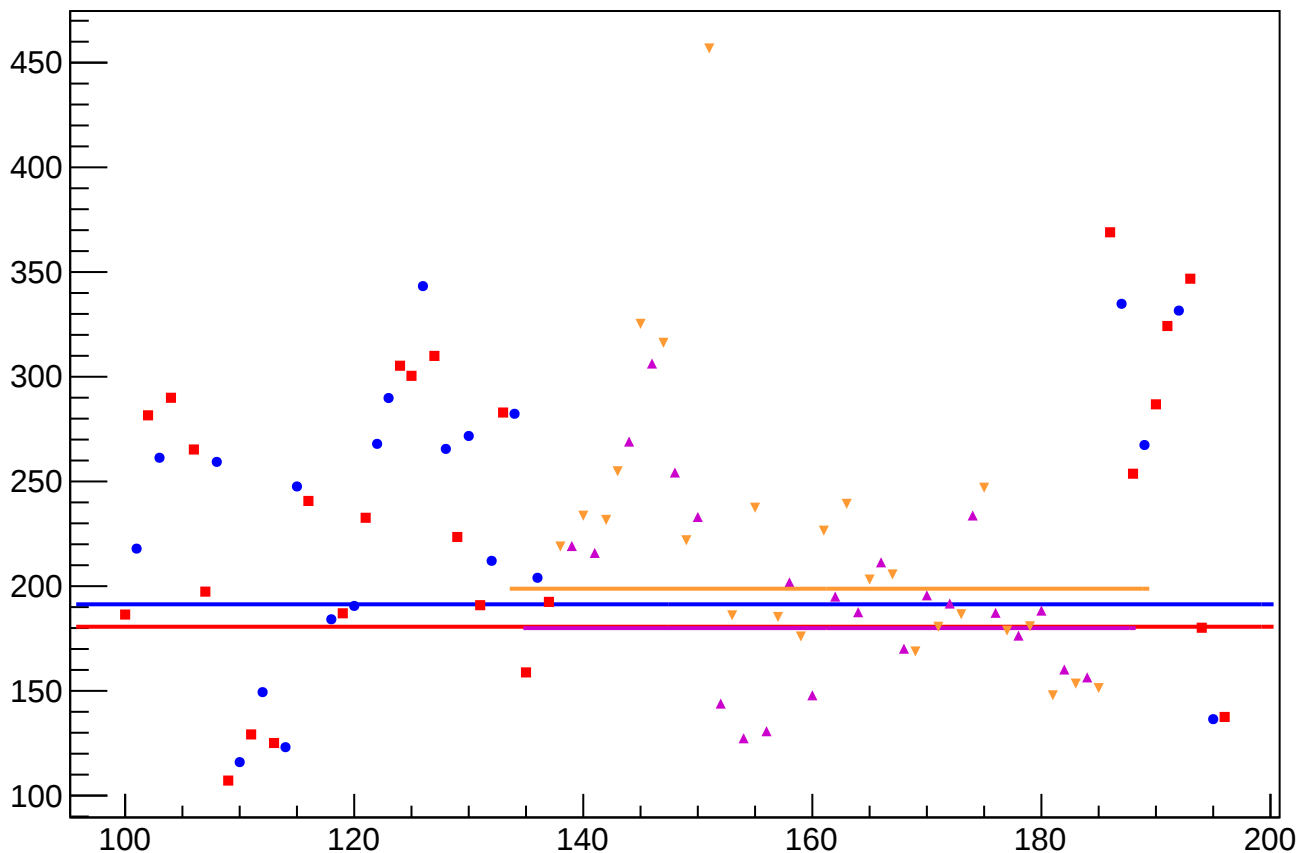
Left In: -35.996 ± 45.180 $\chi^2/\text{NDF}: 6.1/22$

+ sign 10.126 ± 39.185 $\chi^2/\text{NDF}: 19.1/45$

All: -3.896 ± 26.412 $\chi^2/\text{NDF}: 33.6/94$

- sign -15.569 ± 35.754 $\chi^2/\text{NDF}: 14.3/48$

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: 180.631 $\pm$ 0.041 χ^2 /NDF: 2616761.6/25

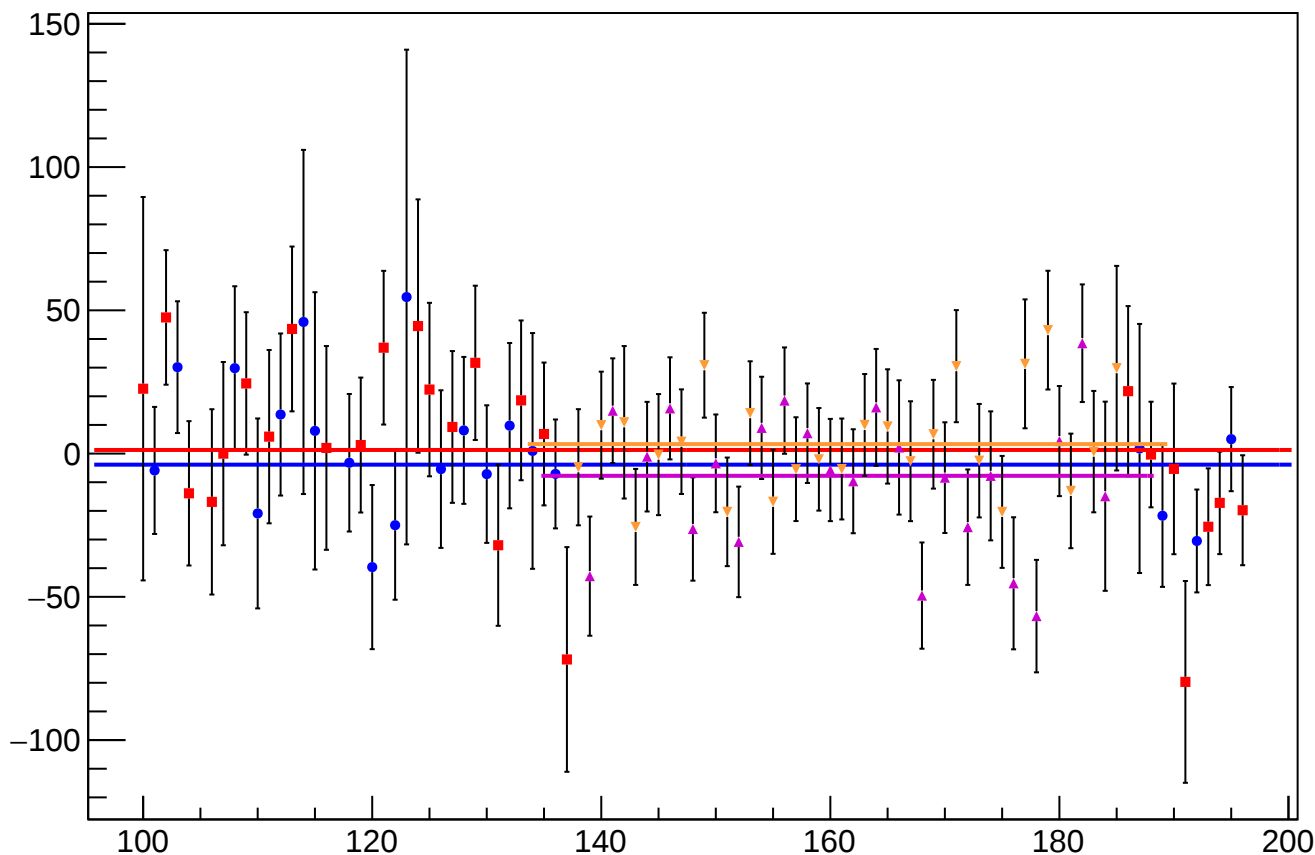
Left In: 179.972 $\pm$ 0.032 χ^2 /NDF:1575888.3/22

+ sign 196.290 $\pm$ 0.028 χ^2 /NDF: 3511056.6/45

All: 187.520 $\pm$ 0.019 χ^2 /NDF: 7887446.2/94

- sign 180.219 $\pm$ 0.025 χ^2 /NDF: 4192808.7/48

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: 1.260 ± 5.204 χ^2/NDF : 27.4/25

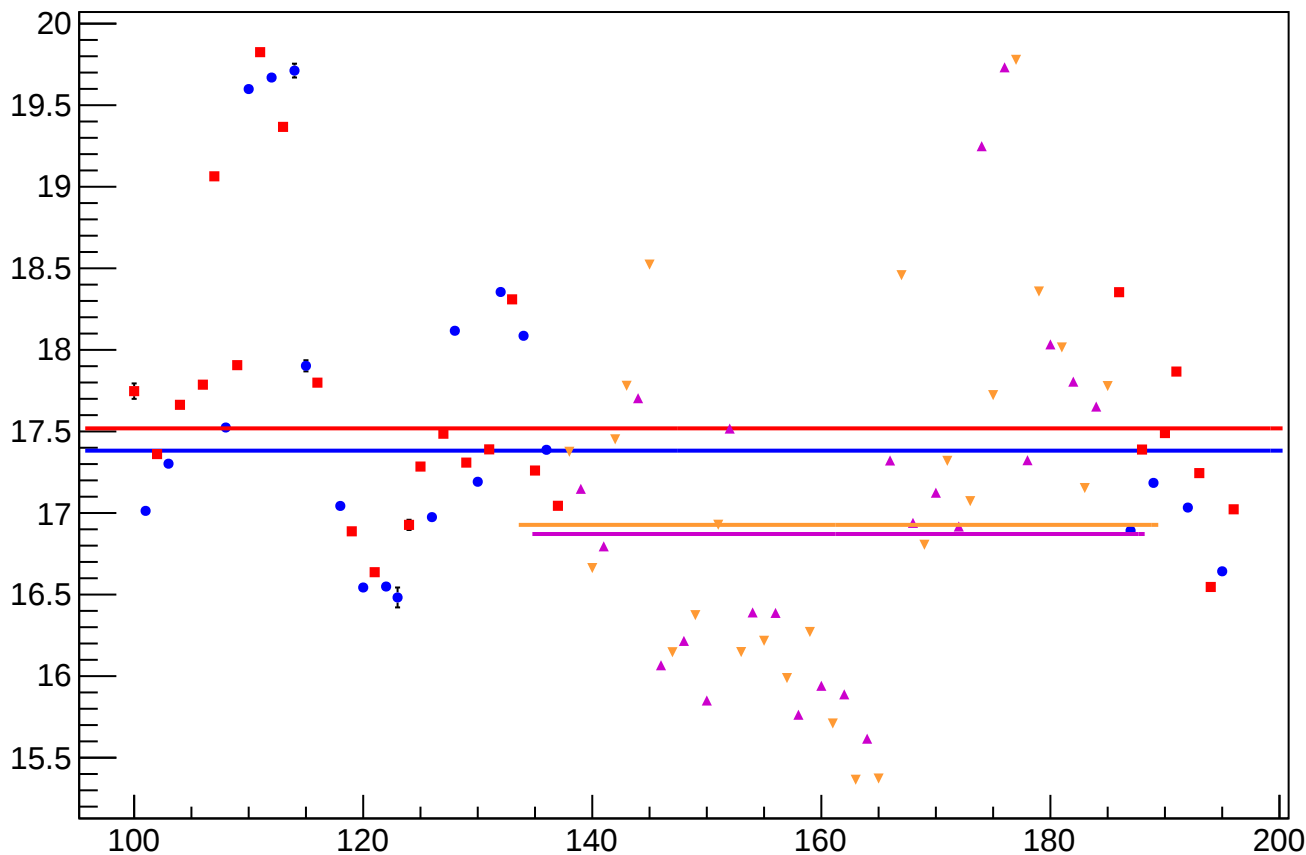
Left In: -7.756 ± 4.061 χ^2/NDF : 34.3/22

+ sign 1.017 ± 3.262 χ^2/NDF : 30.9/45

All: -1.714 ± 2.285 χ^2/NDF : 95.8/94

- sign -4.344 ± 3.201 χ^2/NDF : 63.6/48

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: 17.519 $\pm$ 0.004 χ^2 /NDF: 41317.1/25

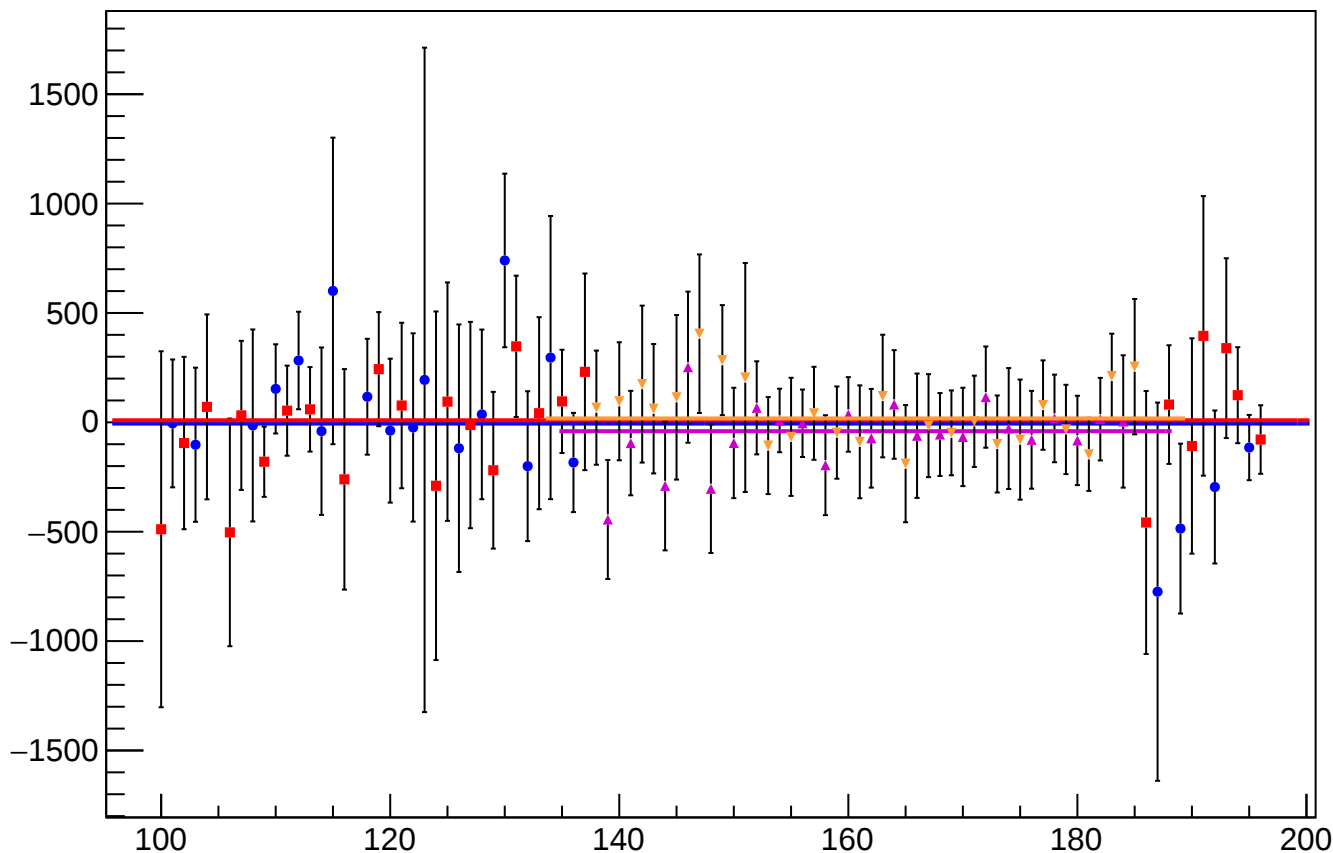
Left In: 16.871 $\pm$ 0.003 χ^2 /NDF:117993.8/22

+ sign 17.073 $\pm$ 0.002 χ^2 /NDF: 186775.7/45

All: 17.095 $\pm$ 0.002 χ^2 /NDF: 365521.4/94

- sign 17.116 $\pm$ 0.002 χ^2 /NDF: 178561.6/48

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -5.607 ± 68.219 χ^2/NDF : 11.6/20

Left Out: 17.828 ± 48.547 χ^2/NDF : 7.5/24

Right Out: 9.453 ± 59.149 χ^2/NDF : 8.4/25

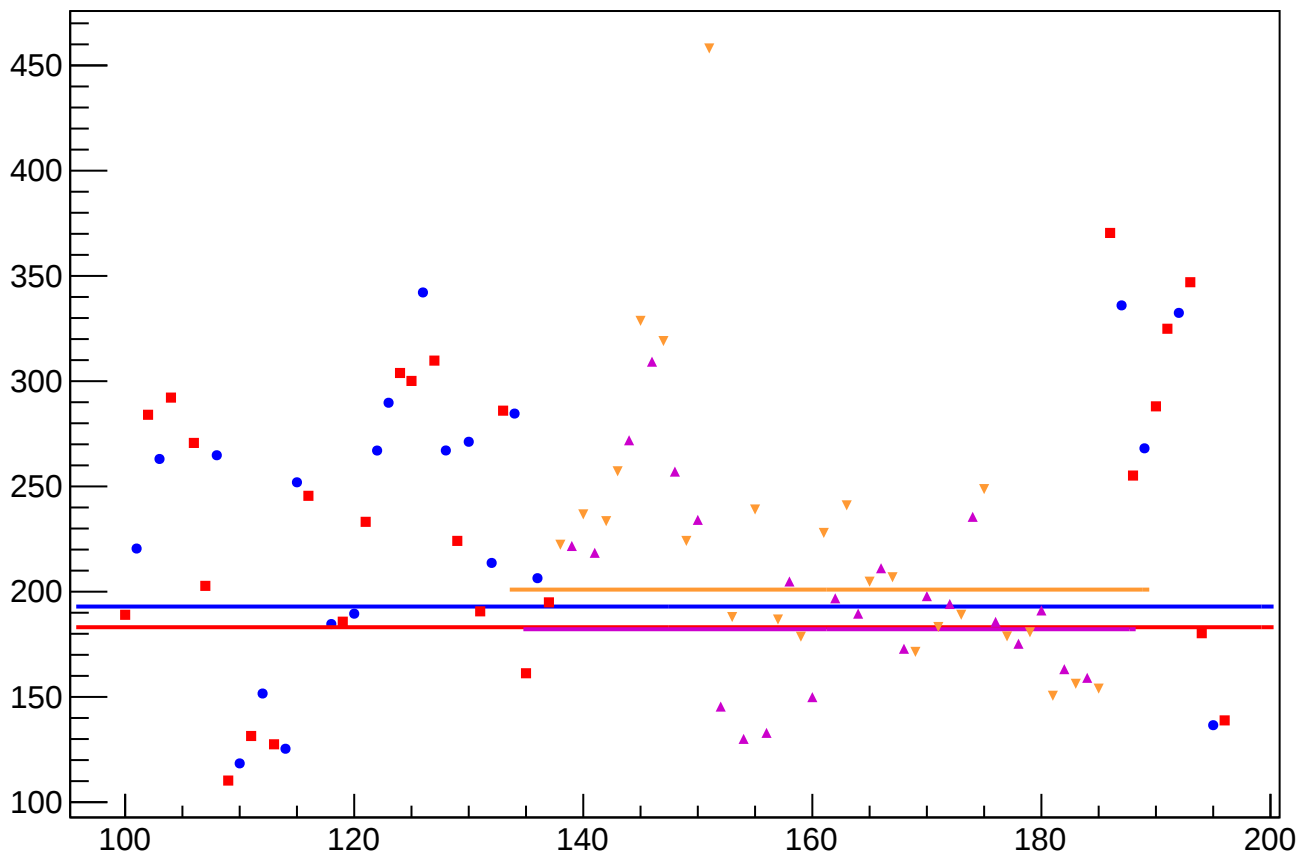
Left In: -40.355 ± 45.689 χ^2/NDF : 6.6/22

+ sign 9.950 ± 39.554 χ^2/NDF : 19.2/45

All: -7.315 ± 26.688 χ^2/NDF : 35.0/94

- sign -21.742 ± 36.158 χ^2/NDF : 15.5/48

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

+ sign 198.279 $\pm$ 0.028 χ^2 /NDF: 3456287.0/45

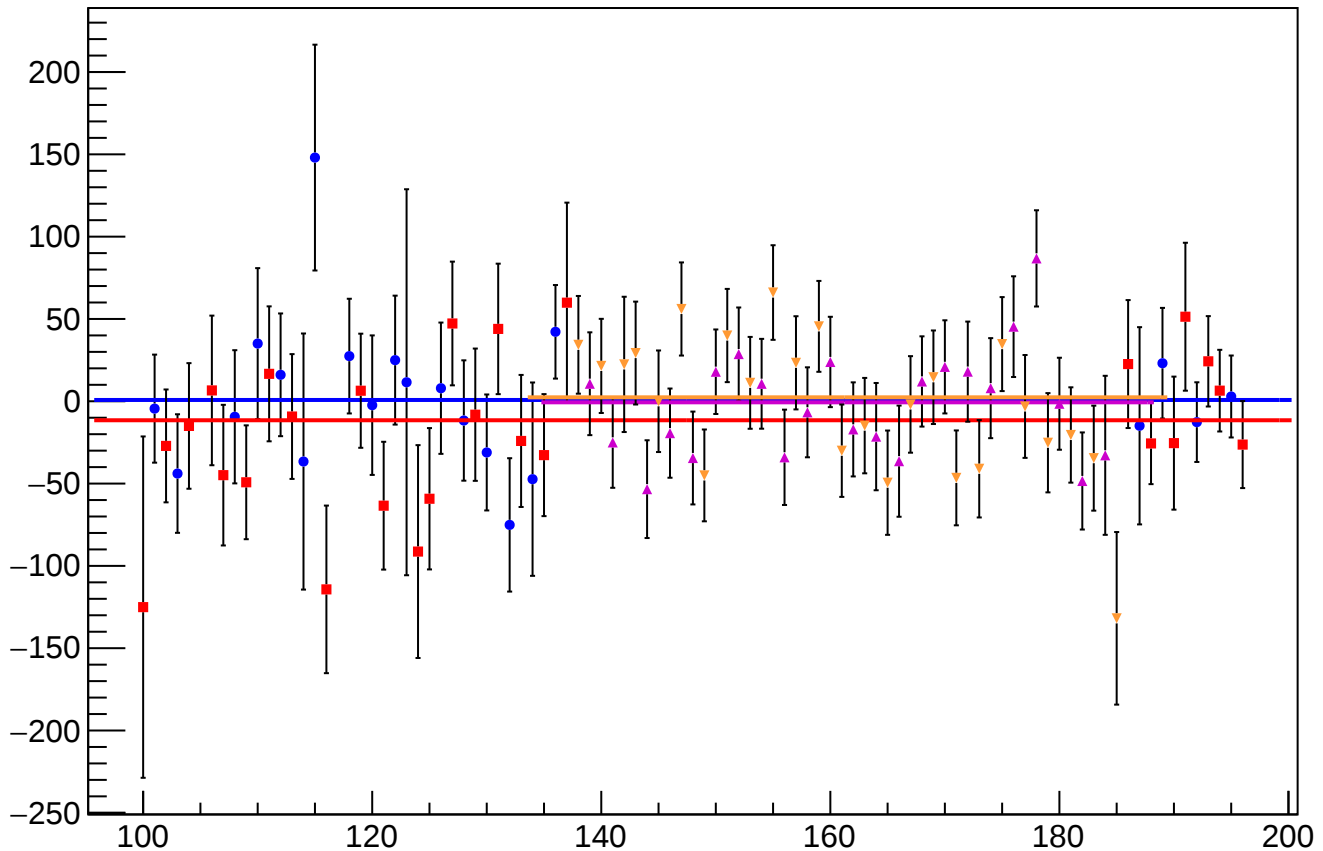
Right Out: 183.117 $\pm$ 0.042 χ^2 /NDF: 2537000.6/25

All: 189.692 $\pm$ 0.019 χ^2 /NDF: 7702570.7/94

Left In: 182.158 $\pm$ 0.032 χ^2 /NDF: 1535922.8/22

- sign 182.517 $\pm$ 0.026 χ^2 /NDF: 4073252.6/48

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: -11.537 ± 7.287 $\chi^2/\text{NDF}: 24.7/25$

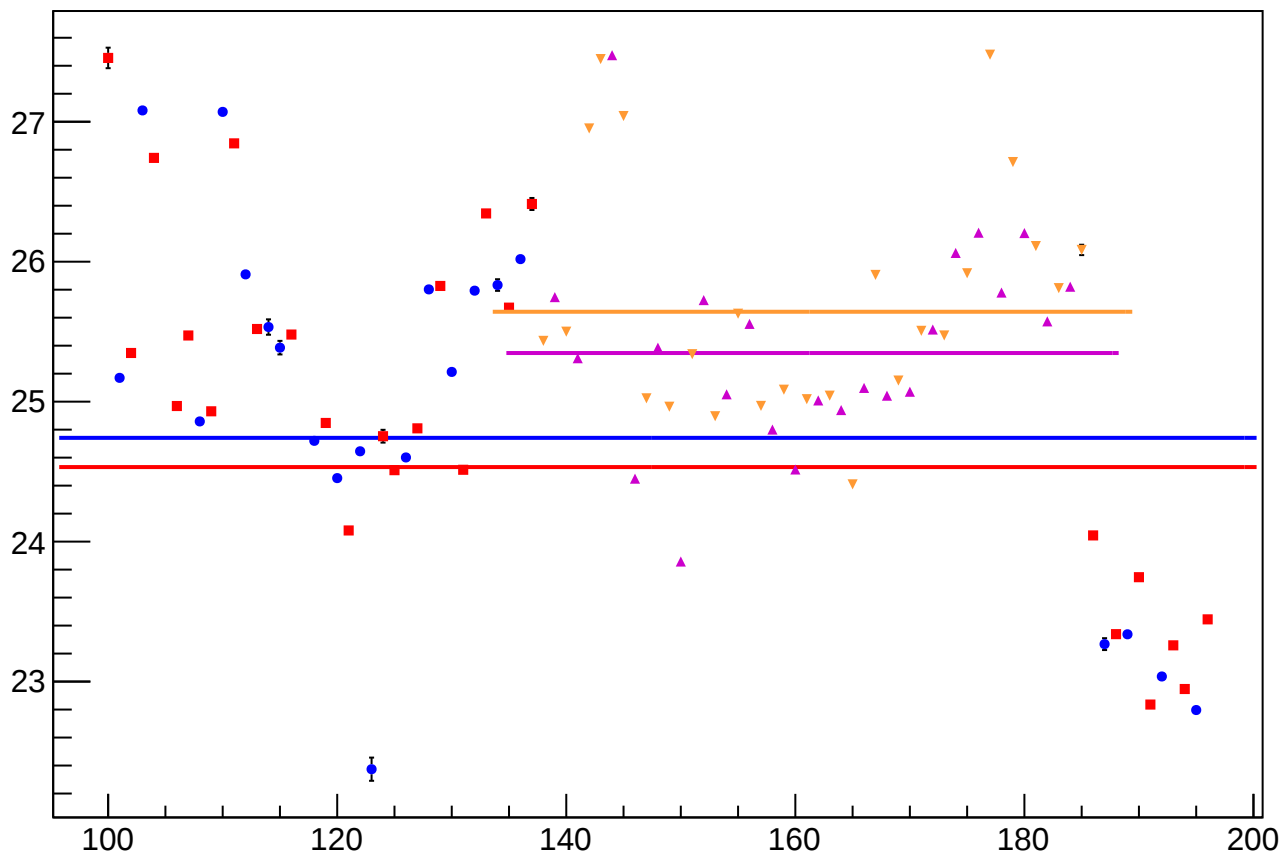
Left In: -0.641 ± 6.091 $\chi^2/\text{NDF}: 27.3/22$

+ sign 1.835 ± 4.836 $\chi^2/\text{NDF}: 55.4/45$

All: -1.763 ± 3.361 $\chi^2/\text{NDF}: 109.8/94$

- sign -5.122 ± 4.674 $\chi^2/\text{NDF}: 53.3/48$

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: 24.533 ± 0.005 $\chi^2/\text{NDF}: 54252.2/25$

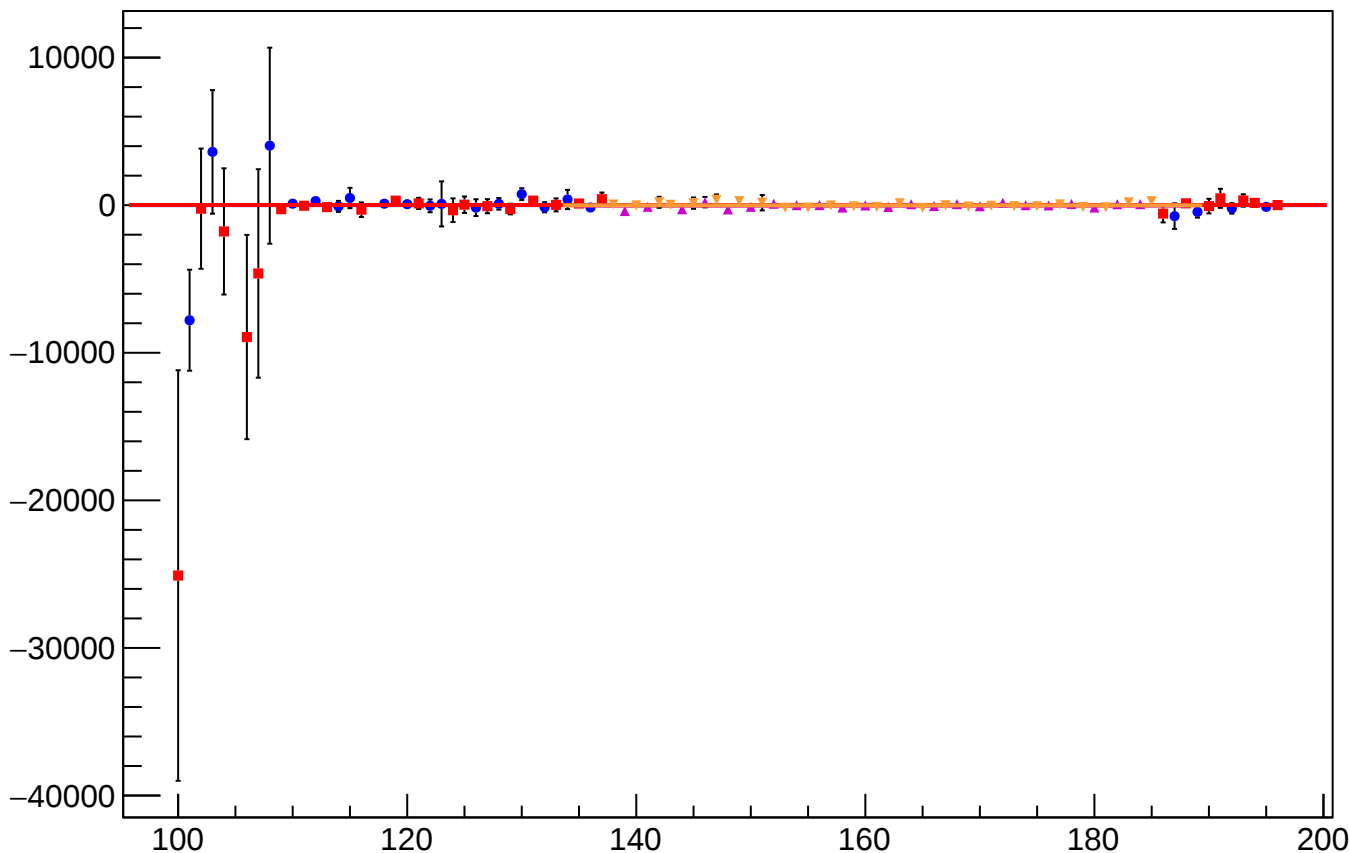
Left In: 25.347 ± 0.004 $\chi^2/\text{NDF}: 29389.5/22$

+ sign 25.331 ± 0.003 $\chi^2/\text{NDF}: 102718.7/45$

All: 25.166 ± 0.002 $\chi^2/\text{NDF}: 205562.8/94$

- sign 25.012 ± 0.003 $\chi^2/\text{NDF}: 98363.8/48$

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 5.867+/-73.143 χ^2/NDF : 16.5/20

Left Out: -11.432+/-48.263 χ^2/NDF : 8.0/24

Right Out: 13.482+/-64.795 χ^2/NDF : 14.7/25

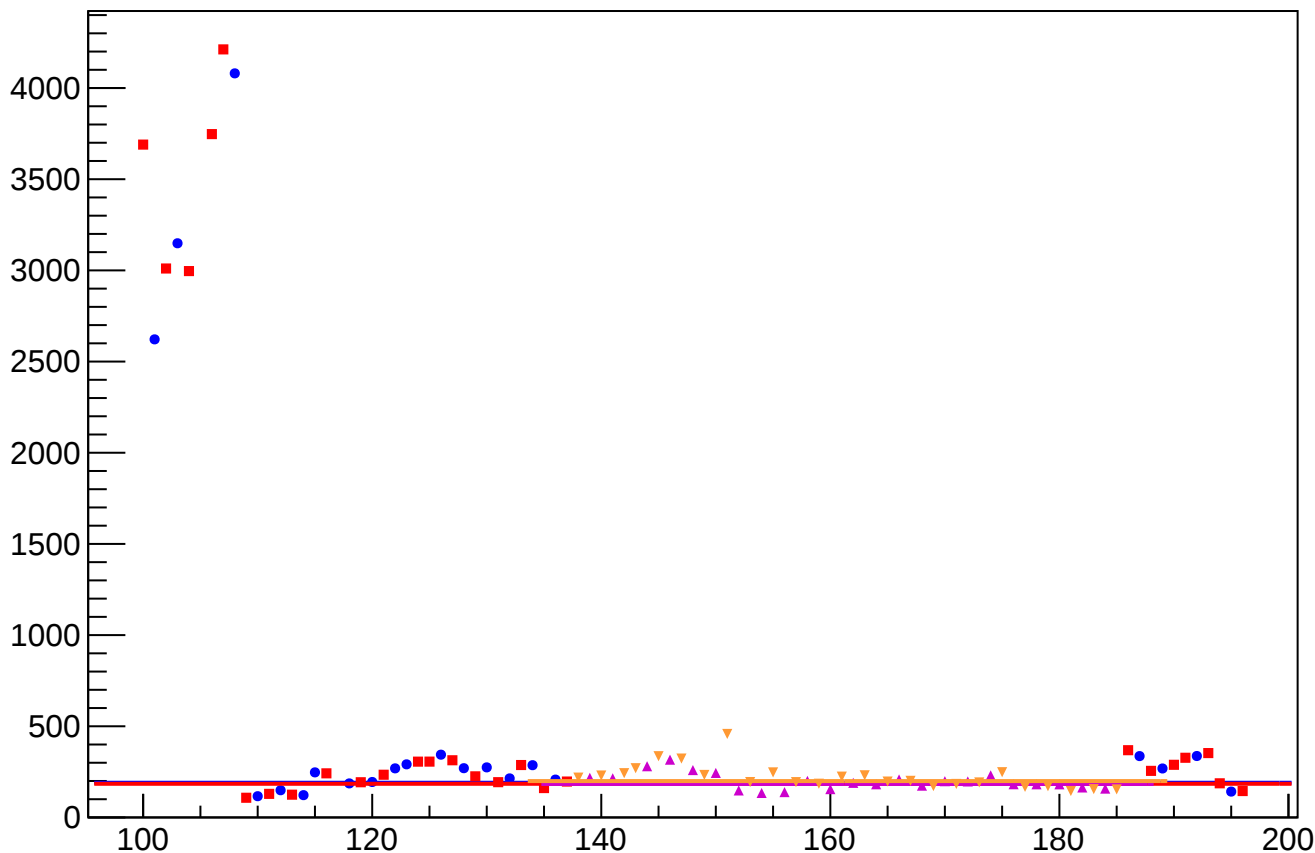
Left In: -27.098+/-45.999 χ^2/NDF : 7.2/22

+ sign -6.185+/-40.284 χ^2/NDF : 24.5/45

All: -10.103+/-27.451 χ^2/NDF : 46.7/94

- sign -13.500+/-37.508 χ^2/NDF : 22.1/48

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 190.336+/-0.052 χ^2/NDF : 4249688.2/20

Left Out: 199.438+/-0.034 χ^2/NDF : 1877848.7/24

Right Out: 184.644+/-0.046 χ^2/NDF : 5198979.9/25

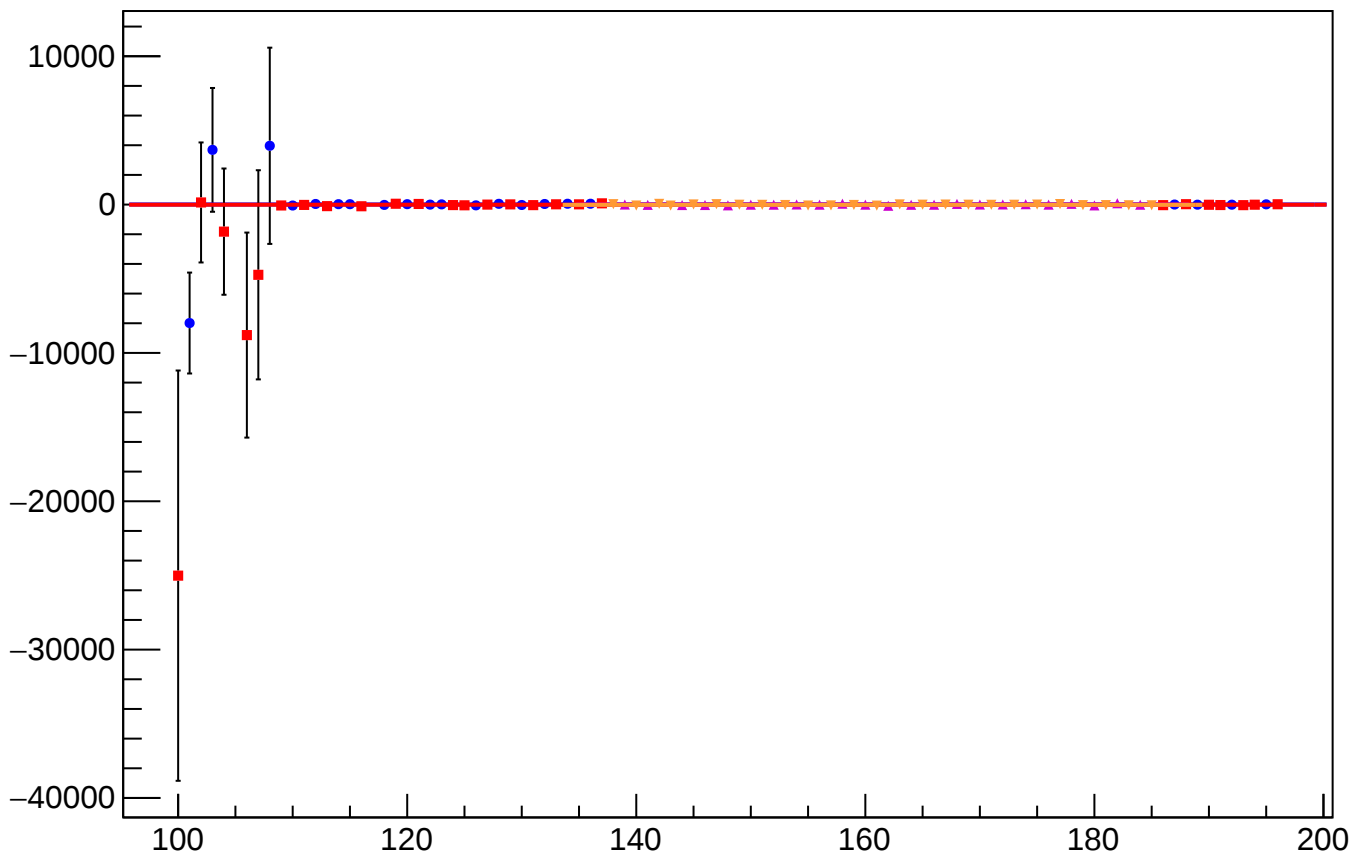
Left In: 183.805+/-0.033 χ^2/NDF : 1412869.6/22

+ sign 196.677+/-0.028 χ^2/NDF : 6149111.4/45

All: 189.933+/-0.019 χ^2/NDF : 12865843.9/94

- sign 184.086+/-0.027 χ^2/NDF : 6612072.2/48

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: -9.035 ± 9.081 χ^2/NDF : 27.6/25

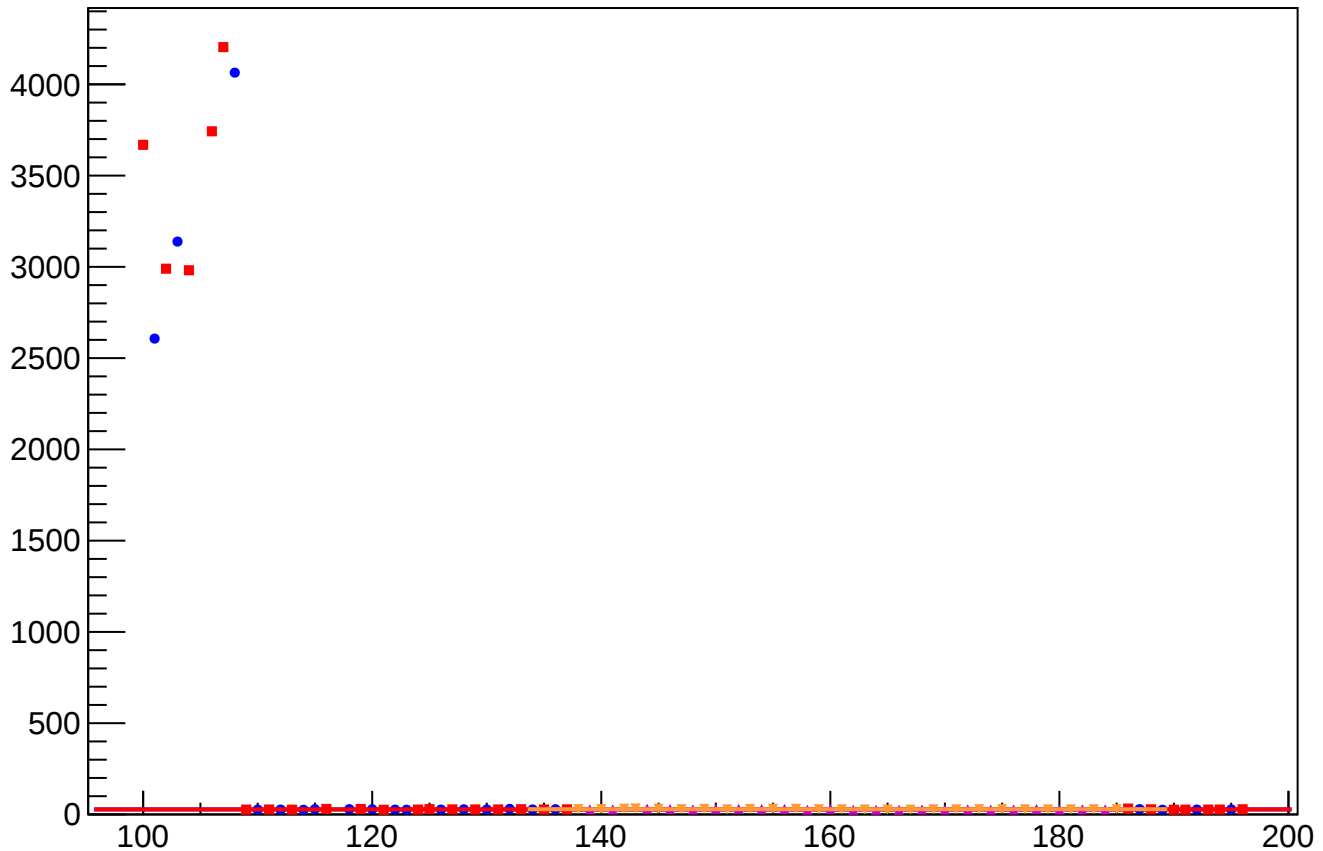
Left In: -1.267 ± 6.908 χ^2/NDF : 32.0/22

+ sign -10.033 ± 5.573 χ^2/NDF : 45.3/45

All: -7.034 ± 3.914 χ^2/NDF : 105.9/94

- sign -4.115 ± 5.498 χ^2/NDF : 60.0/48

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: 27.699 $\pm$ 0.006 χ^2/NDF : 3500104.2/25

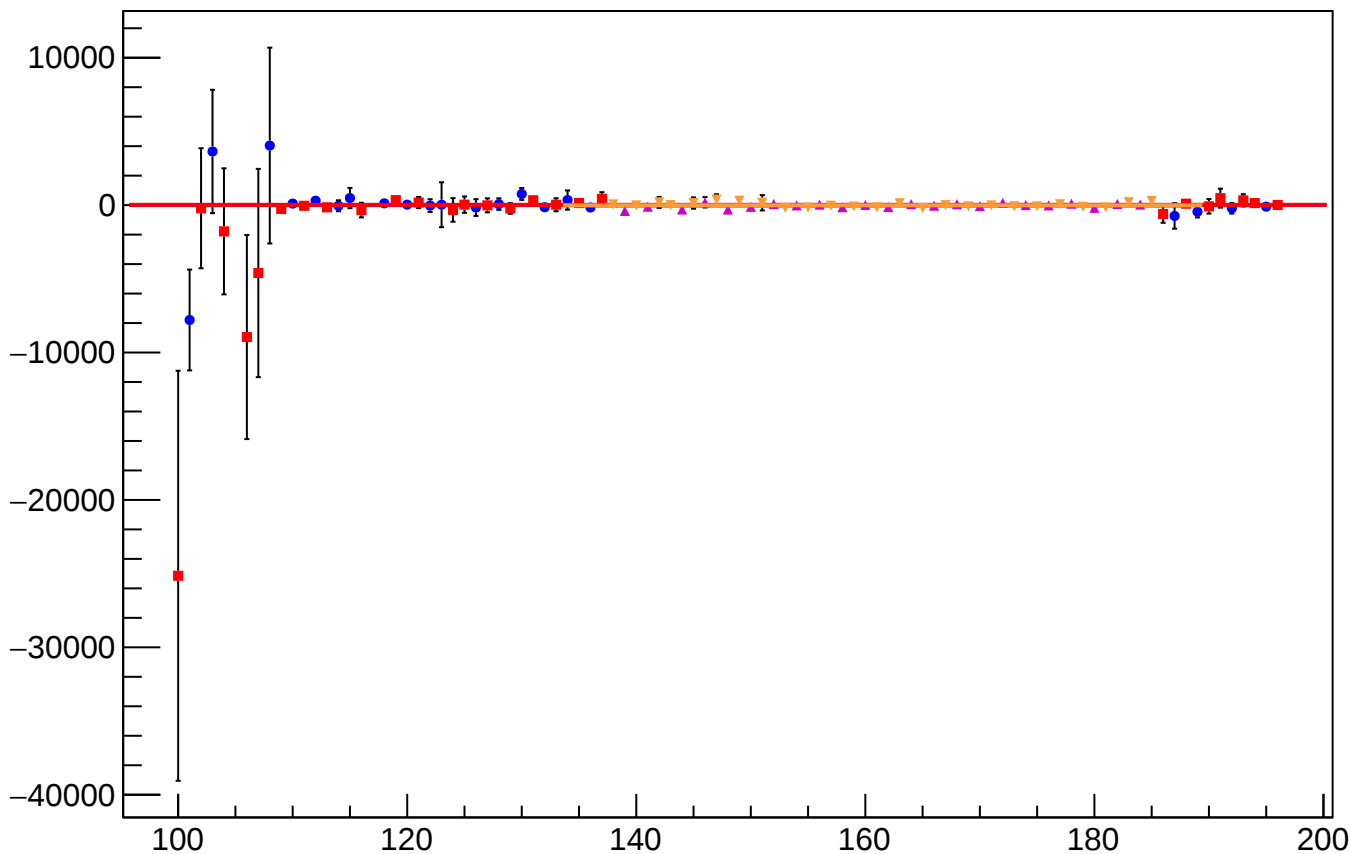
Left In: 28.677 $\pm$ 0.005 χ^2/NDF : 123814.4/22

+ sign 28.350 $\pm$ 0.004 χ^2/NDF : 3161226.5/45

All: 28.334 $\pm$ 0.003 χ^2/NDF : 6799855.8/94

- sign 28.318 $\pm$ 0.004 χ^2/NDF : 3638597.3/48

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: 16.914+/-64.613 χ^2/NDF : 15.4/25

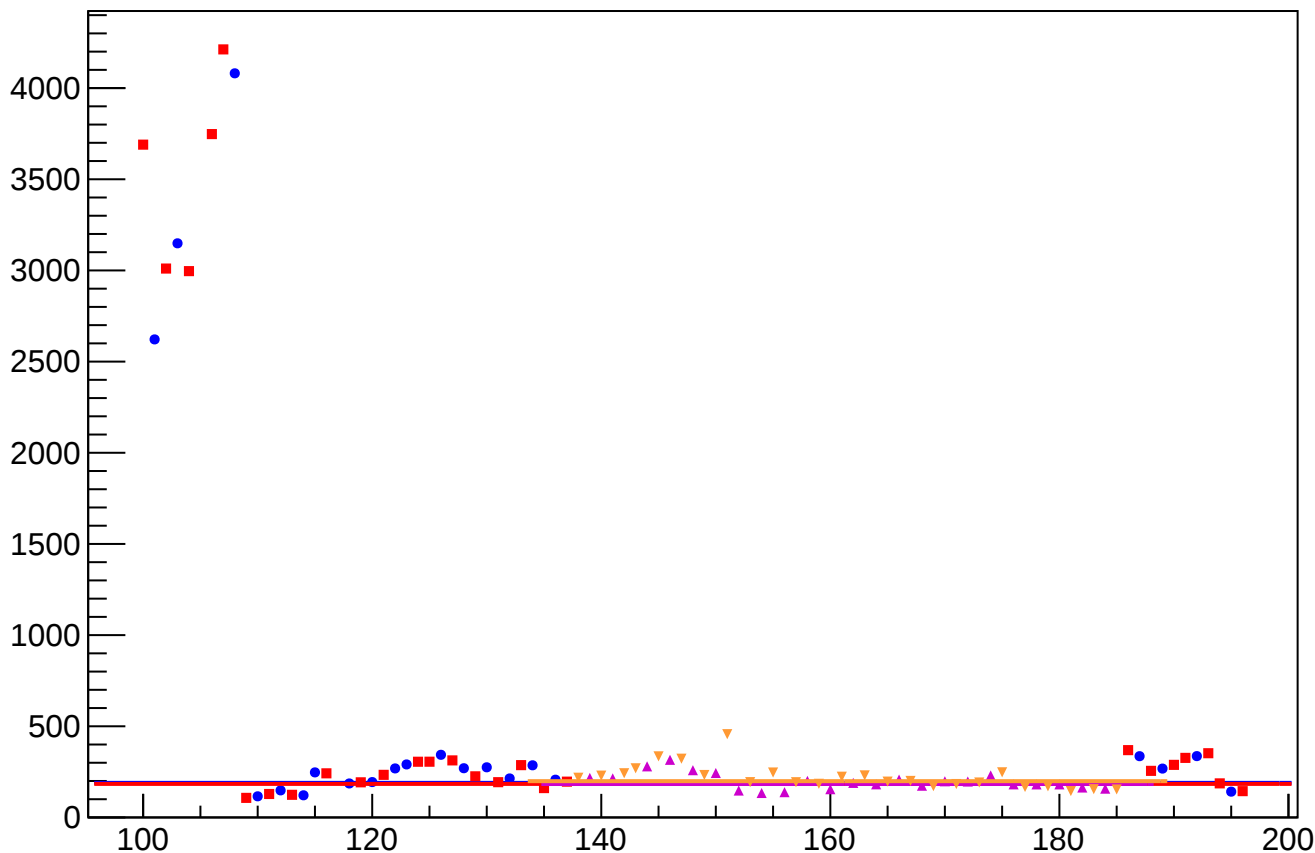
Left In: -27.286+/-45.907 χ^2/NDF : 7.5/22

+ sign -5.972+/-40.186 χ^2/NDF : 25.6/45

All: -9.446+/-27.387 χ^2/NDF : 48.7/94

- sign -12.459+/-37.423 χ^2/NDF : 23.2/48

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: 184.026 $\pm$ 0.046 χ^2 /NDF: 5217026.8/25

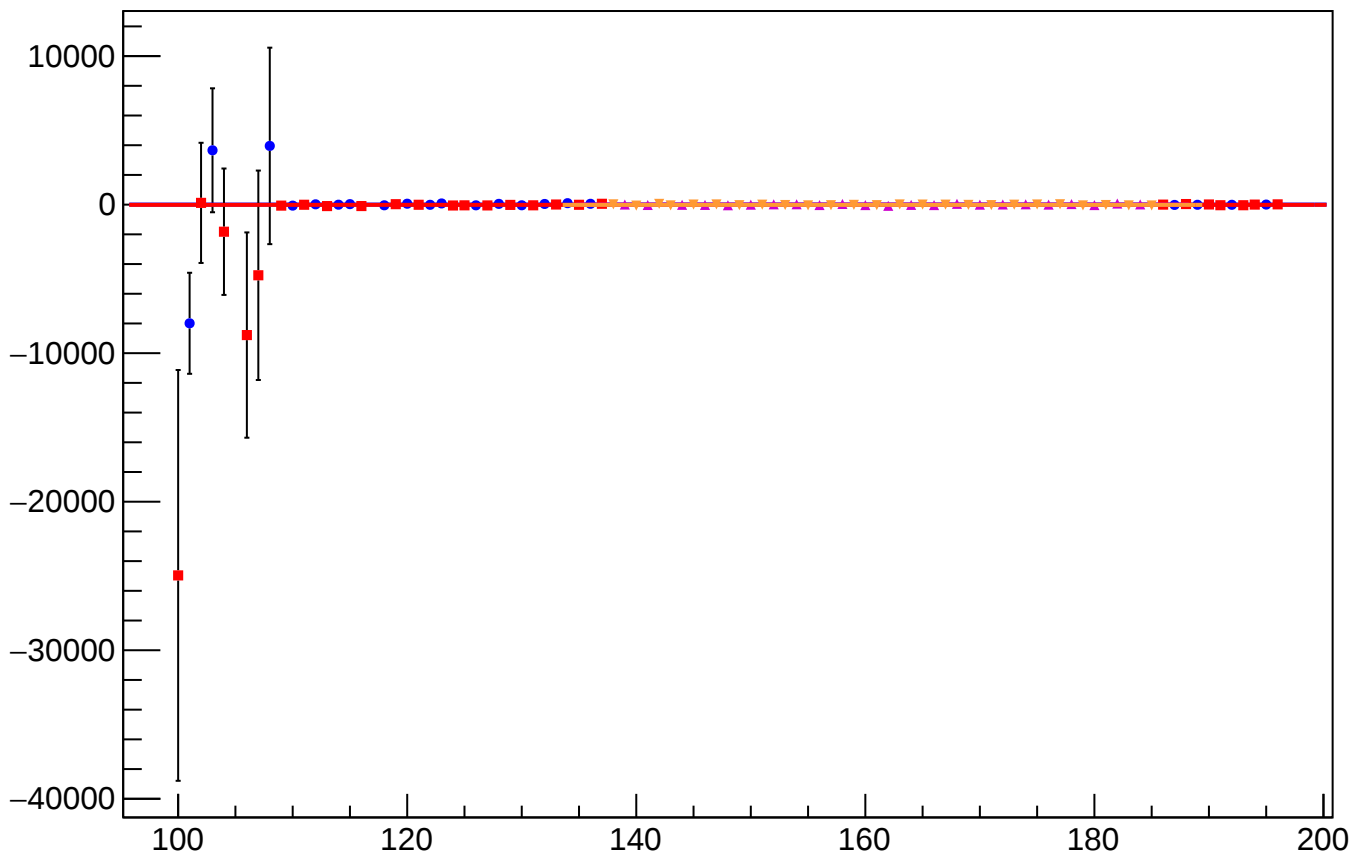
Left In: 183.442 $\pm$ 0.032 χ^2 /NDF: 1412341.8/22

+ sign 196.178 $\pm$ 0.028 χ^2 /NDF: 6162634.5/45

All: 189.462 $\pm$ 0.019 χ^2 /NDF: 12896407.0/94

- sign 183.638 $\pm$ 0.026 χ^2 /NDF: 6629477.5/48

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 4.490+/-10.071 χ^2 /NDF: 23.2/20

Left Out: -15.829+/-6.733 χ^2 /NDF:16.5/24

Right Out: -13.947+/-9.109 χ^2 /NDF: 23.5/25

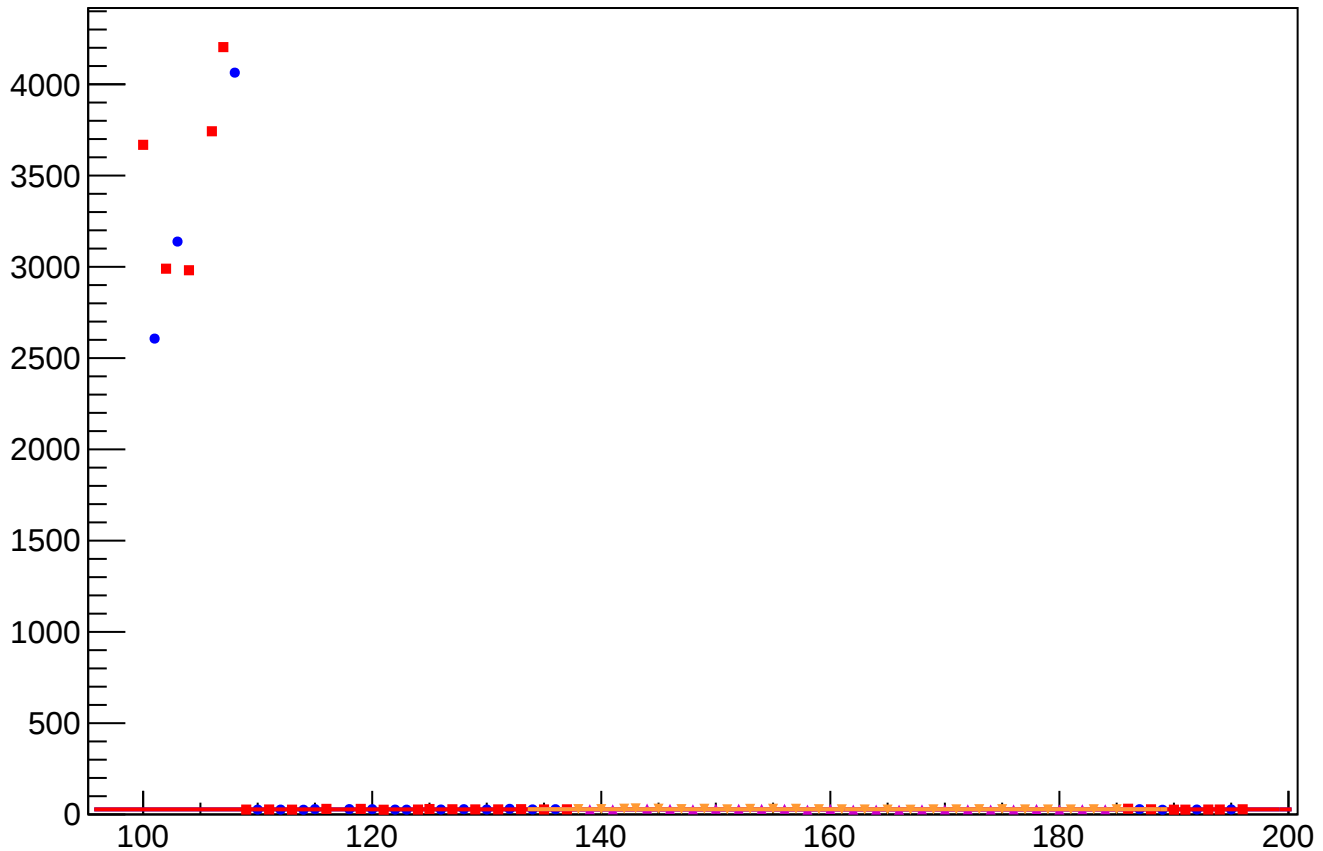
Left In: 0.498+/-6.937 χ^2 /NDF:26.1/22

+ sign -9.552+/-5.597 χ^2 /NDF: 42.5/45

All: -7.145+/-3.930 χ^2 /NDF: 94.0/94

- sign -4.805+/-5.519 χ^2 /NDF: 51.2/48

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: 27.785 $\pm$ 0.006 χ^2 /NDF: 3497672.1/25

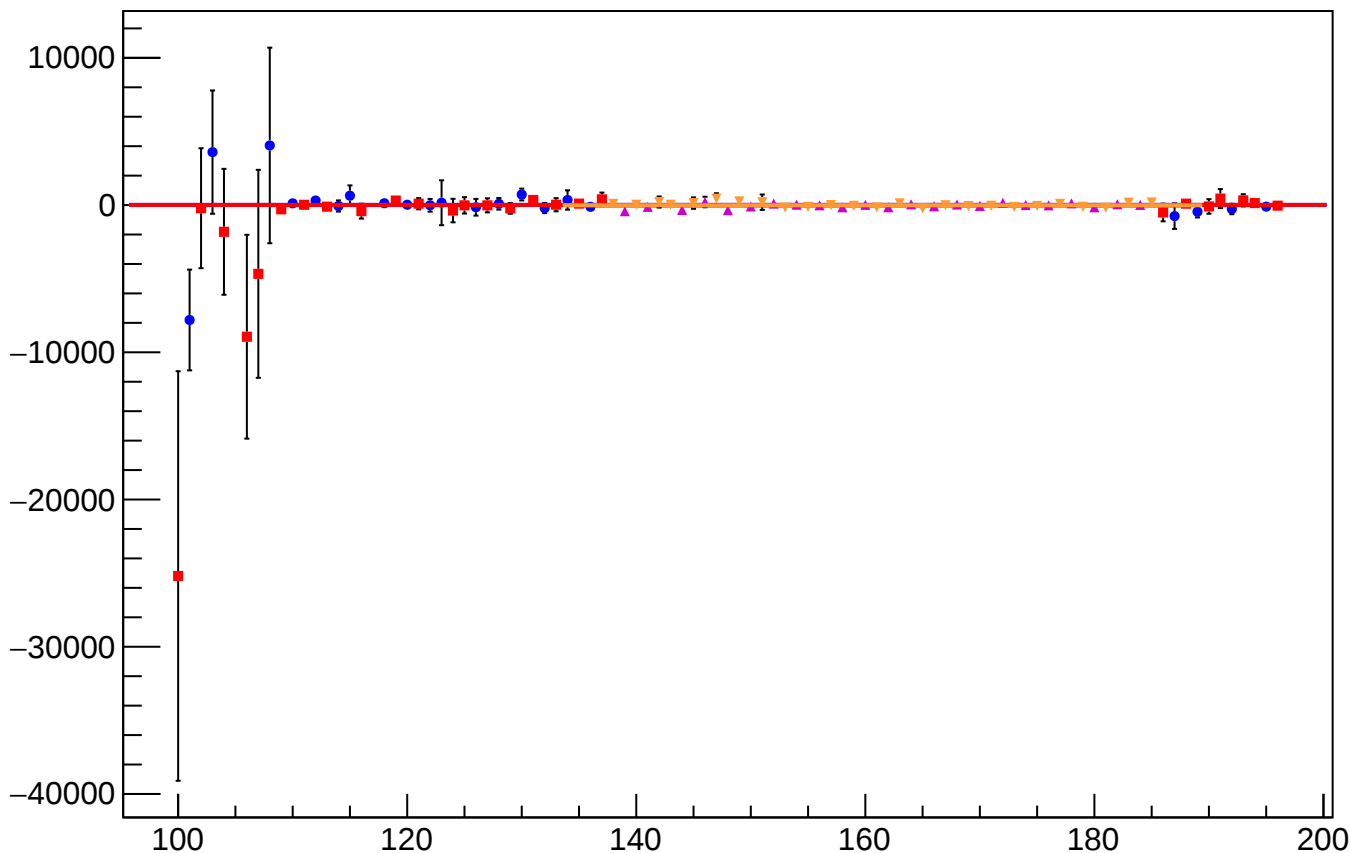
Left In: 28.797 $\pm$ 0.005 χ^2 /NDF: 128279.2/22

+ sign 28.467 $\pm$ 0.004 χ^2 /NDF: 3175458.1/45

All: 28.446 $\pm$ 0.003 χ^2 /NDF: 6817101.7/94

- sign 28.426 $\pm$ 0.004 χ^2 /NDF: 3641588.6/48

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: 10.464+/-65.285 χ^2/NDF : 14.6/25

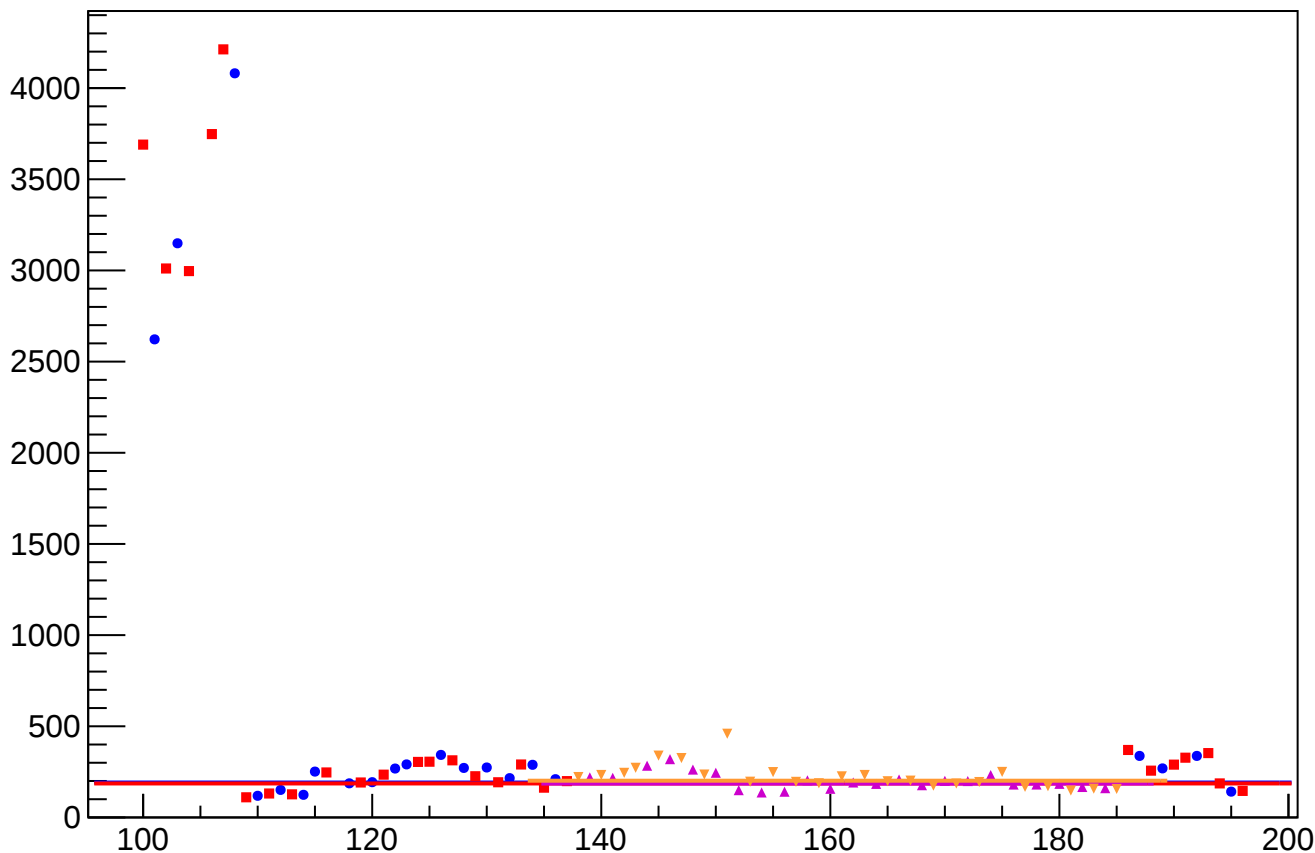
Left In: -31.477+/-46.483 χ^2/NDF : 7.8/22

+ sign -5.788+/-40.627 χ^2/NDF : 25.2/45

All: -11.985+/-27.700 χ^2/NDF : 47.9/94

- sign -17.368+/-37.866 χ^2/NDF : 22.7/48

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: 186.400 $\pm$ 0.046 χ^2 /NDF: 5141293.6/25

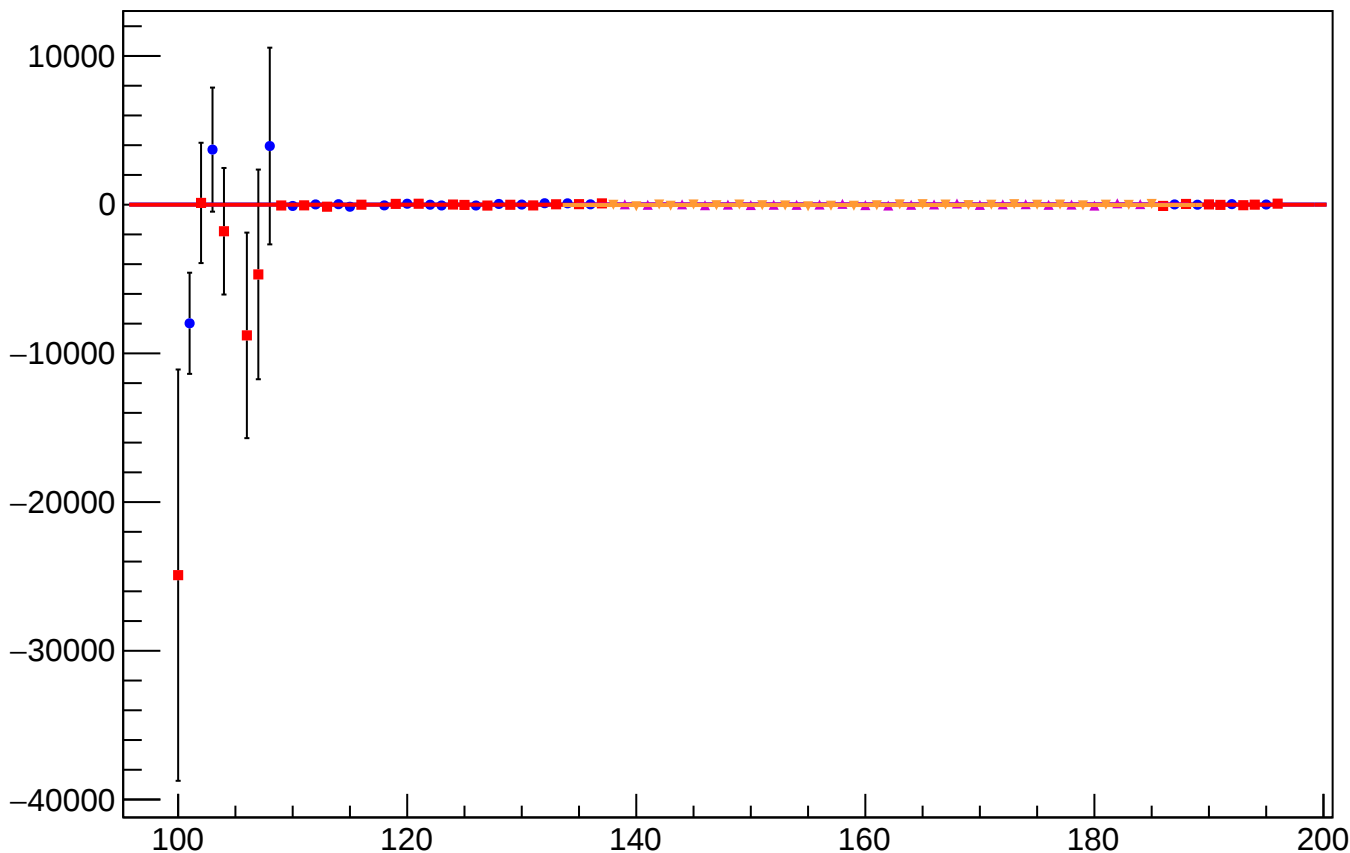
Left In: 185.878 $\pm$ 0.033 χ^2 /NDF: 1380877.6/22

+ sign 198.482 $\pm$ 0.029 χ^2 /NDF: 6101876.9/45

All: 191.831 $\pm$ 0.020 χ^2 /NDF: 12724294.4/94

- sign 186.054 $\pm$ 0.027 χ^2 /NDF: 6522255.7/48

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: -1.557 $\pm$ 11.090 χ^2 /NDF: 29.6/25

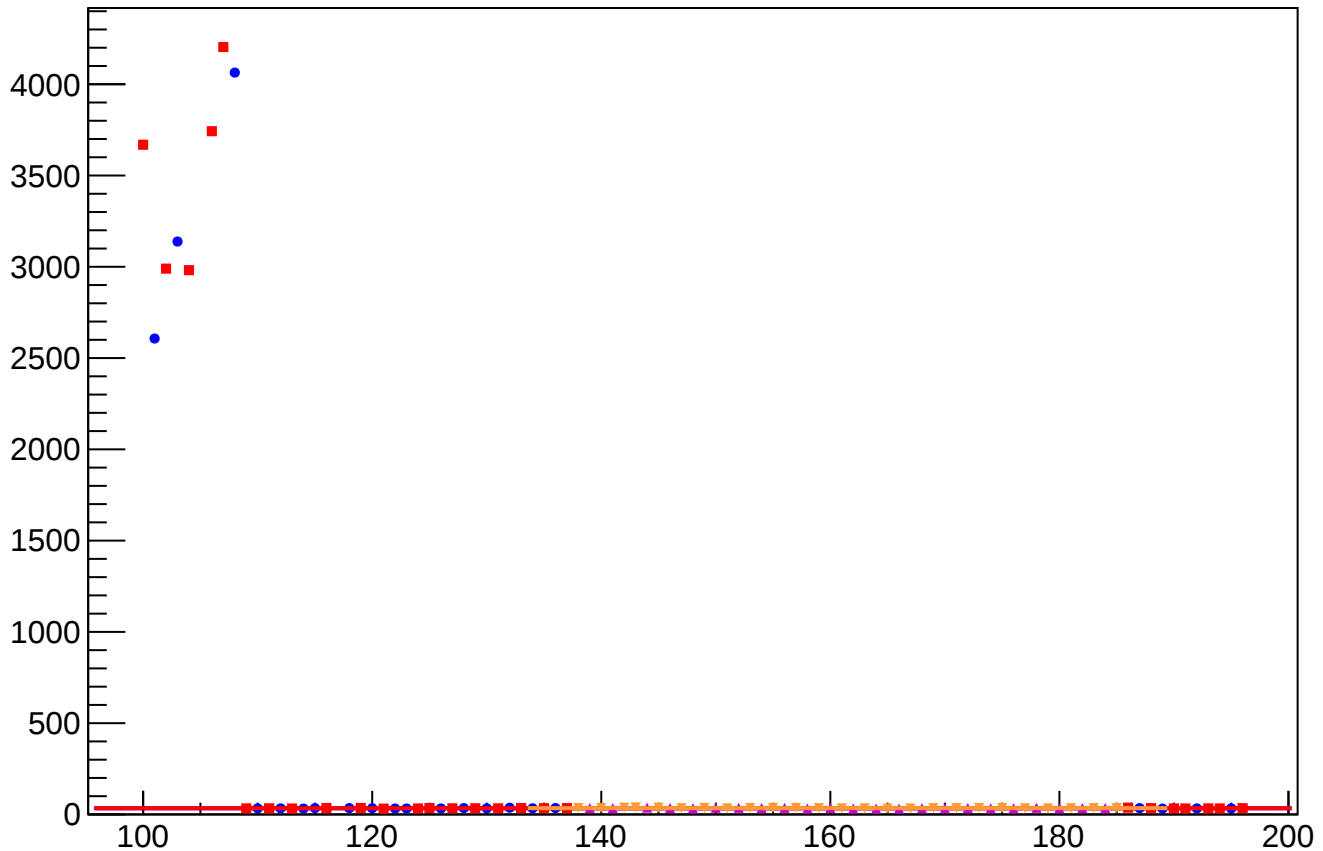
Left In: 5.924 $\pm$ 8.340 χ^2 /NDF:21.0/22

+ sign -13.883 $\pm$ 6.748 χ^2 /NDF: 51.0/45

All: -5.225 $\pm$ 4.742 χ^2 /NDF: 105.2/94

- sign 3.221 $\pm$ 6.665 χ^2 /NDF: 50.9/48

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: 33.889 $\pm$ 0.008 χ^2 /NDF: 3462359.5/25

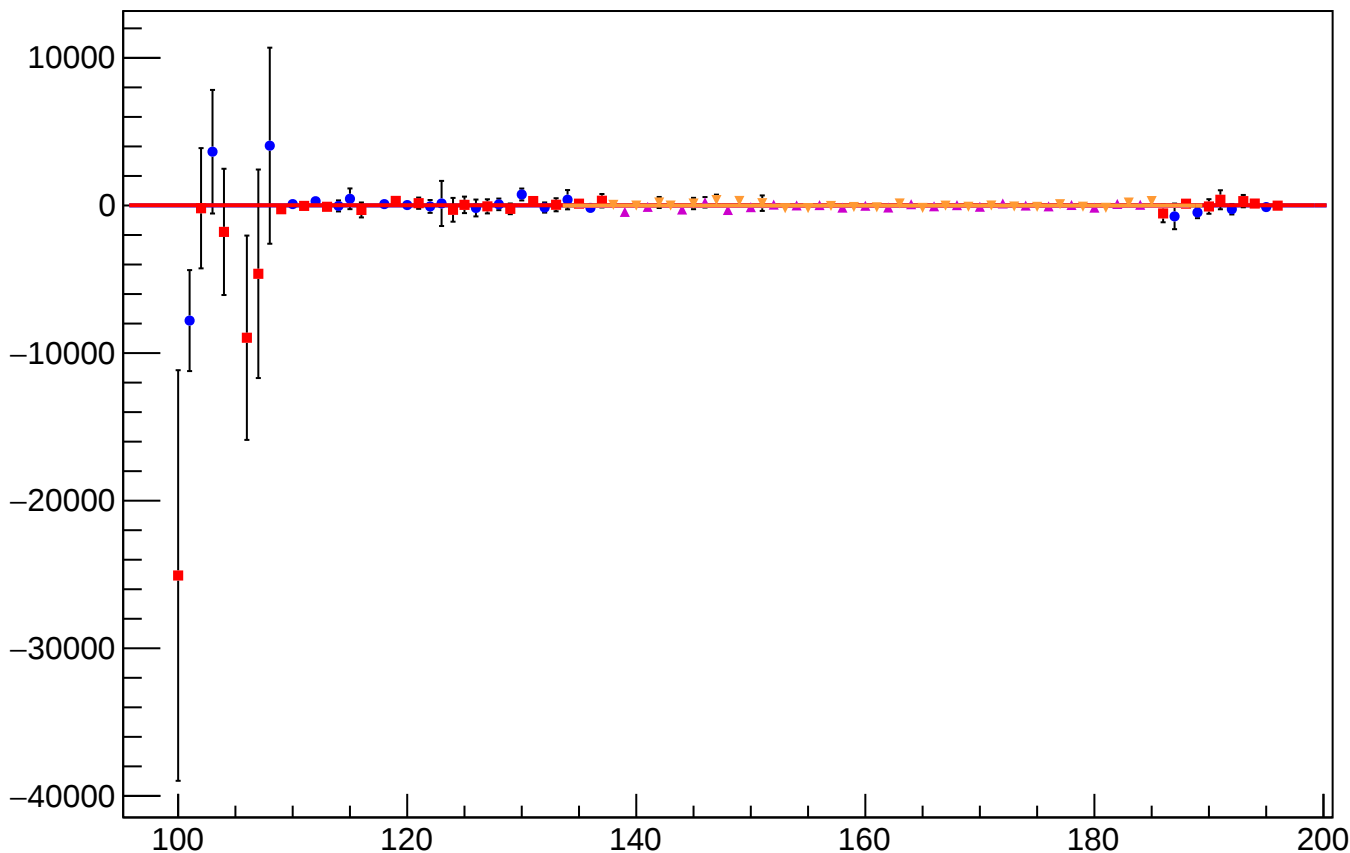
Left In: 34.682 $\pm$ 0.006 χ^2 /NDF: 59834.3/22

+ sign 34.372 $\pm$ 0.005 χ^2 /NDF: 3075014.3/45

All: 34.384 $\pm$ 0.003 χ^2 /NDF: 6603745.5/94

- sign 34.395 $\pm$ 0.005 χ^2 /NDF: 3528719.1/48

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: 16.957 ± 64.952 χ^2/NDF : 13.3/25

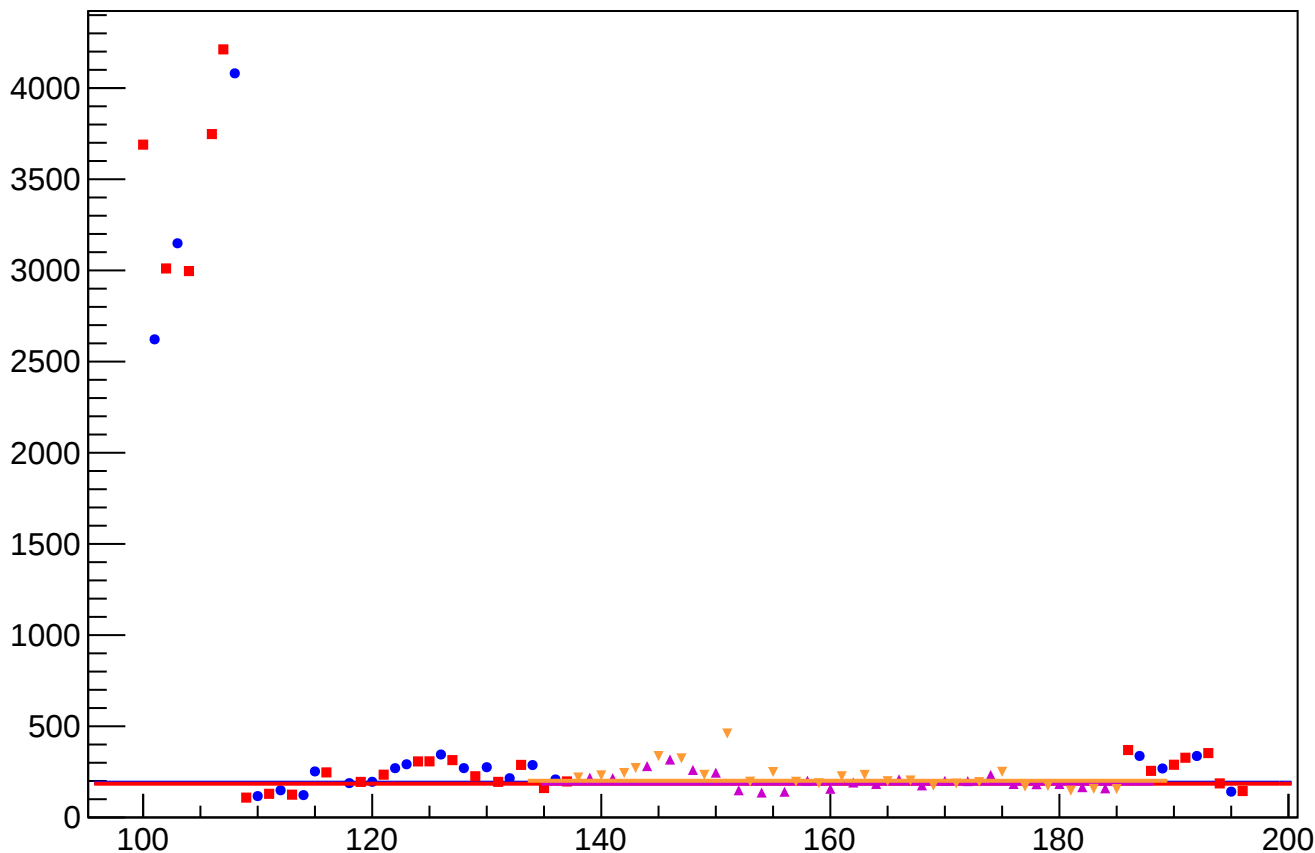
Left In: -34.977 ± 46.421 χ^2/NDF : 7.1/22

+ sign -4.396 ± 40.541 χ^2/NDF : 25.4/45

All: -11.368 ± 27.634 χ^2/NDF : 46.3/94

- sign -17.419 ± 37.767 χ^2/NDF : 20.8/48

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: 185.115 $\pm$ 0.046 χ^2 /NDF: 5198464.5/25

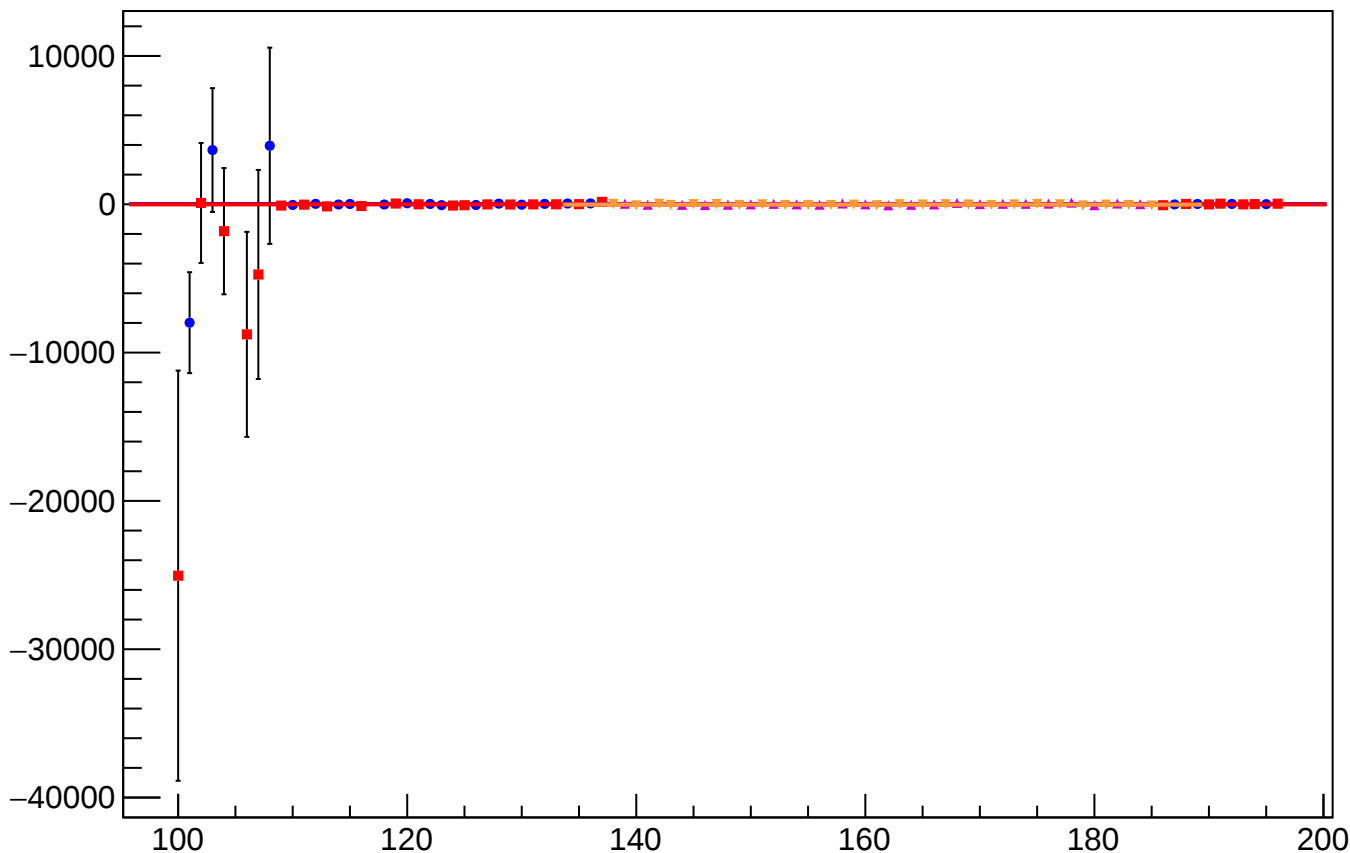
Left In: 185.627 $\pm$ 0.033 χ^2 /NDF: 1371411.2/22

+ sign 197.988 $\pm$ 0.029 χ^2 /NDF: 6132788.8/45

All: 191.278 $\pm$ 0.020 χ^2 /NDF: 12805086.0/94

- sign 185.454 $\pm$ 0.027 χ^2 /NDF: 6569958.0/48

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 14.782 $\pm$ 11.147 χ^2 /NDF: 15.0/20

Left Out: -23.320 $\pm$ 7.352 χ^2 /NDF:18.3/24

Right Out: -7.340 $\pm$ 10.065 χ^2 /NDF: 33.5/25

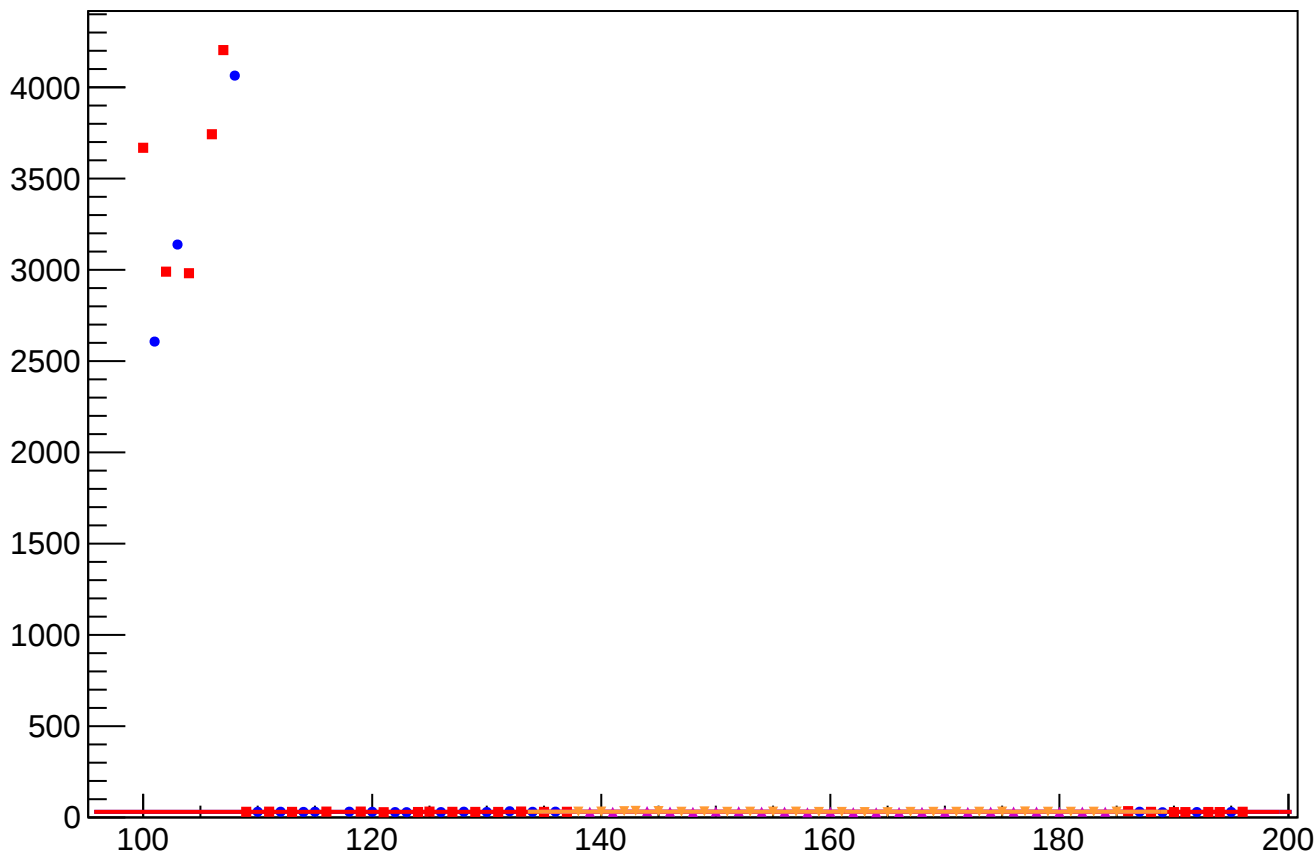
Left In: 6.386 $\pm$ 7.577 χ^2 /NDF:38.7/22

+ sign -11.771 $\pm$ 6.137 χ^2 /NDF: 41.5/45

All: -5.084 $\pm$ 4.310 χ^2 /NDF: 117.2/94

- sign 1.421 $\pm$ 6.053 χ^2 /NDF: 73.4/48

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: 30.730 $\pm$ 0.007 χ^2 /NDF: 3475793.2/25

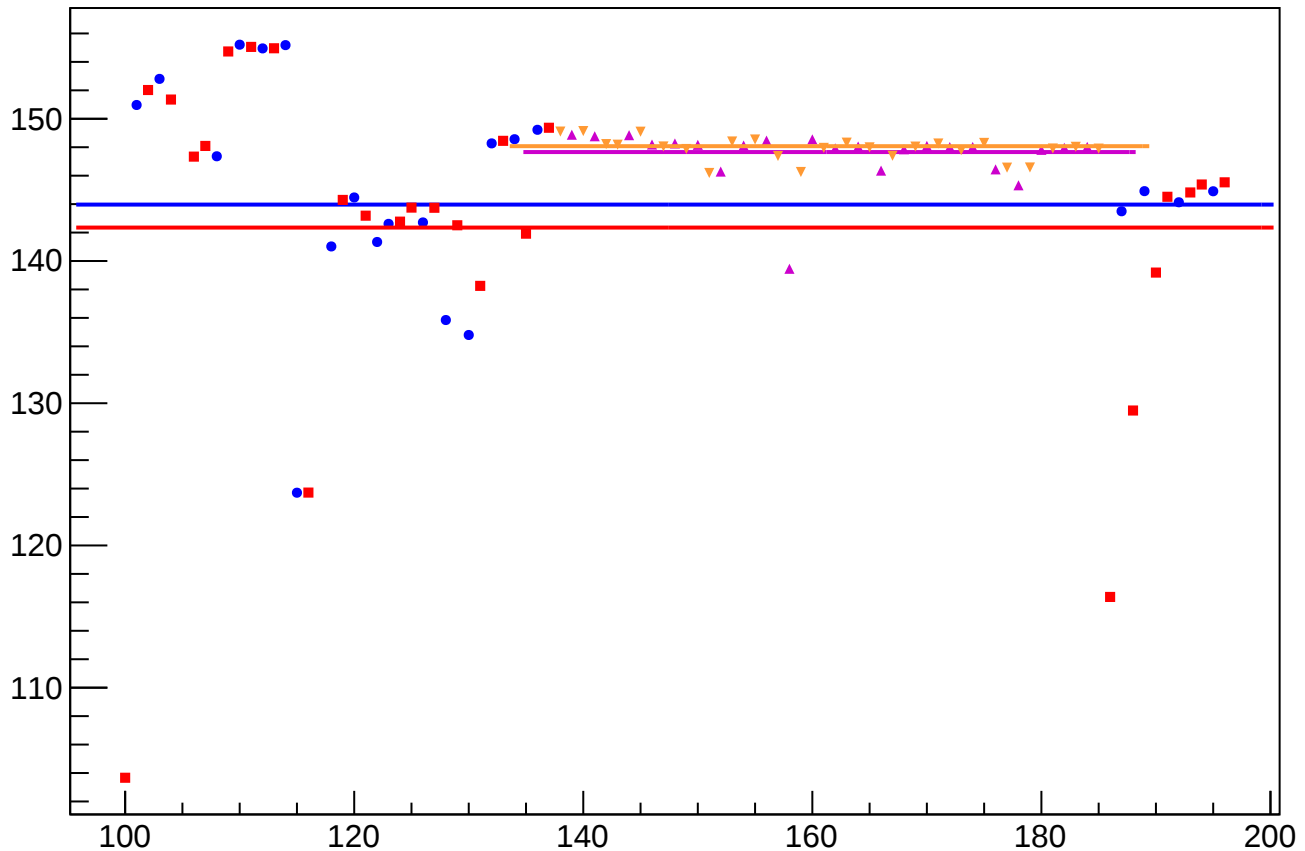
Left In: 31.475 $\pm$ 0.005 χ^2 /NDF: 87797.5/22

+ sign 31.241 $\pm$ 0.004 χ^2 /NDF: 3113737.1/45

All: 31.223 $\pm$ 0.003 χ^2 /NDF: 6684367.3/94

- sign 31.206 $\pm$ 0.004 χ^2 /NDF: 3570596.6/48

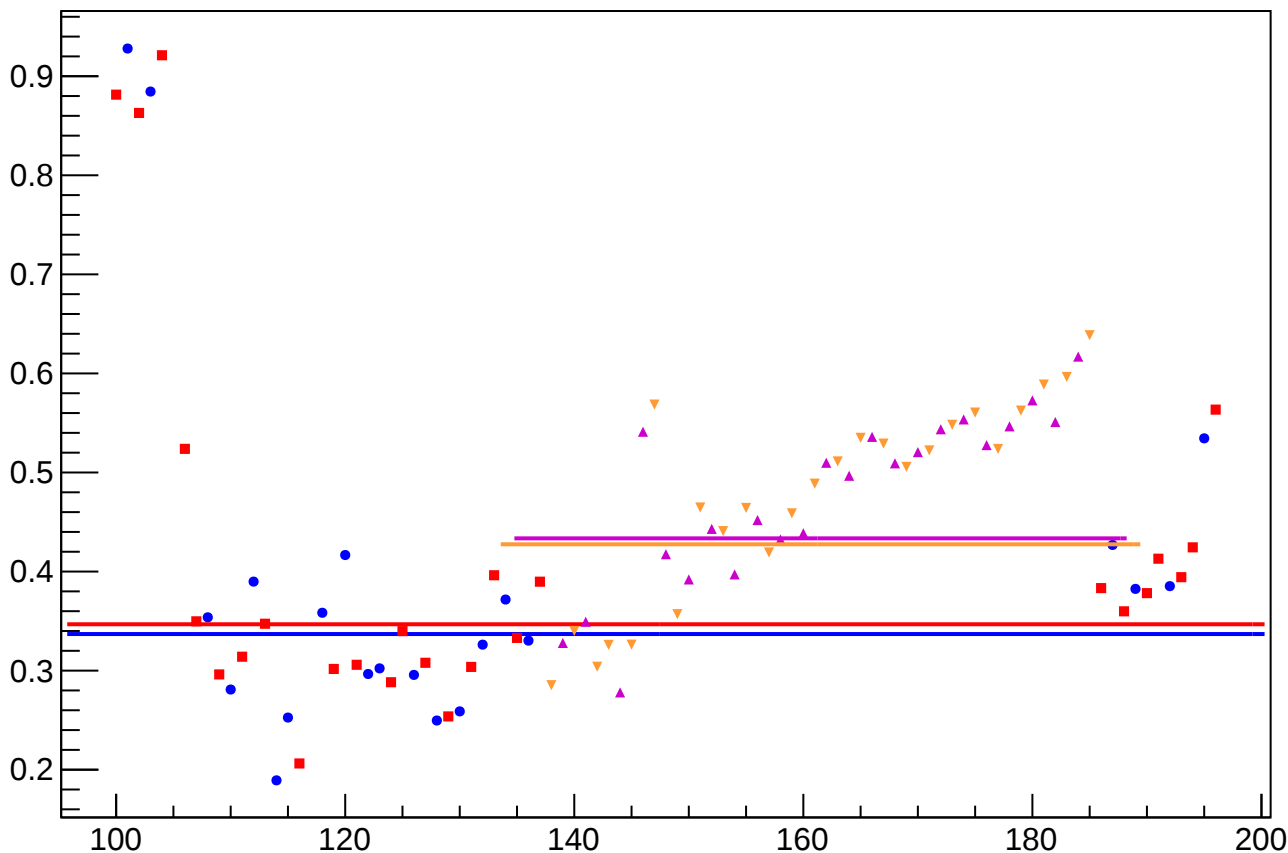
yield_bcm_an_ds_mean vs Slug



Right In: 143.967 $\pm$ 0.000 χ^2/NDF : 3454634255.2/20
 Left Out: 148.074 $\pm$ 0.000 χ^2/NDF : 65673678.9/24
 Right Out: 142.351 $\pm$ 0.000 χ^2/NDF : 7330691401.1/25
 Left In: 147.660 $\pm$ 0.000 χ^2/NDF : 343892338.9/22

+ sign 146.335 $\pm$ 0.000 χ^2/NDF : 4181531482.0/45
 All: 145.701 $\pm$ 0.000 χ^2/NDF : 13155355345.
 - sign 145.089 $\pm$ 0.000 χ^2/NDF : 8846850005.4/48

yield_bcm_an_ds_rms vs Slug



Right In: 0.337 ± 0.000 χ^2/NDF : 1596745.0/20

Left Out: 0.428 ± 0.000 χ^2/NDF : 1892802.8/24

Right Out: 0.347 ± 0.000 χ^2/NDF : 1599454.9/25

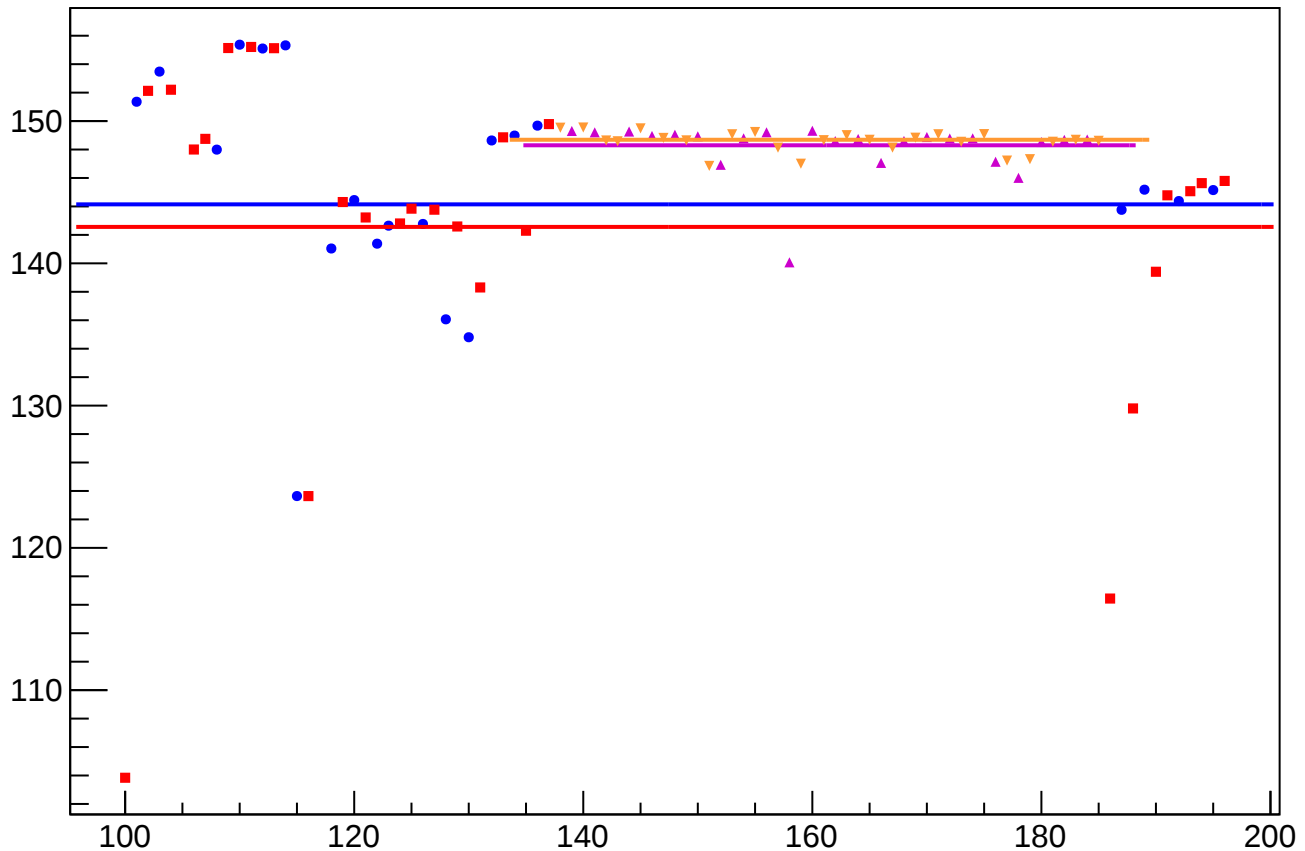
Left In: 0.434 ± 0.000 χ^2/NDF : 1479367.0/22

+ sign 0.389 ± 0.000 χ^2/NDF : 4132926.3/45

All: 0.390 ± 0.000 χ^2/NDF : 7837858.4/94

- sign 0.392 ± 0.000 χ^2/NDF : 3704035.3/48

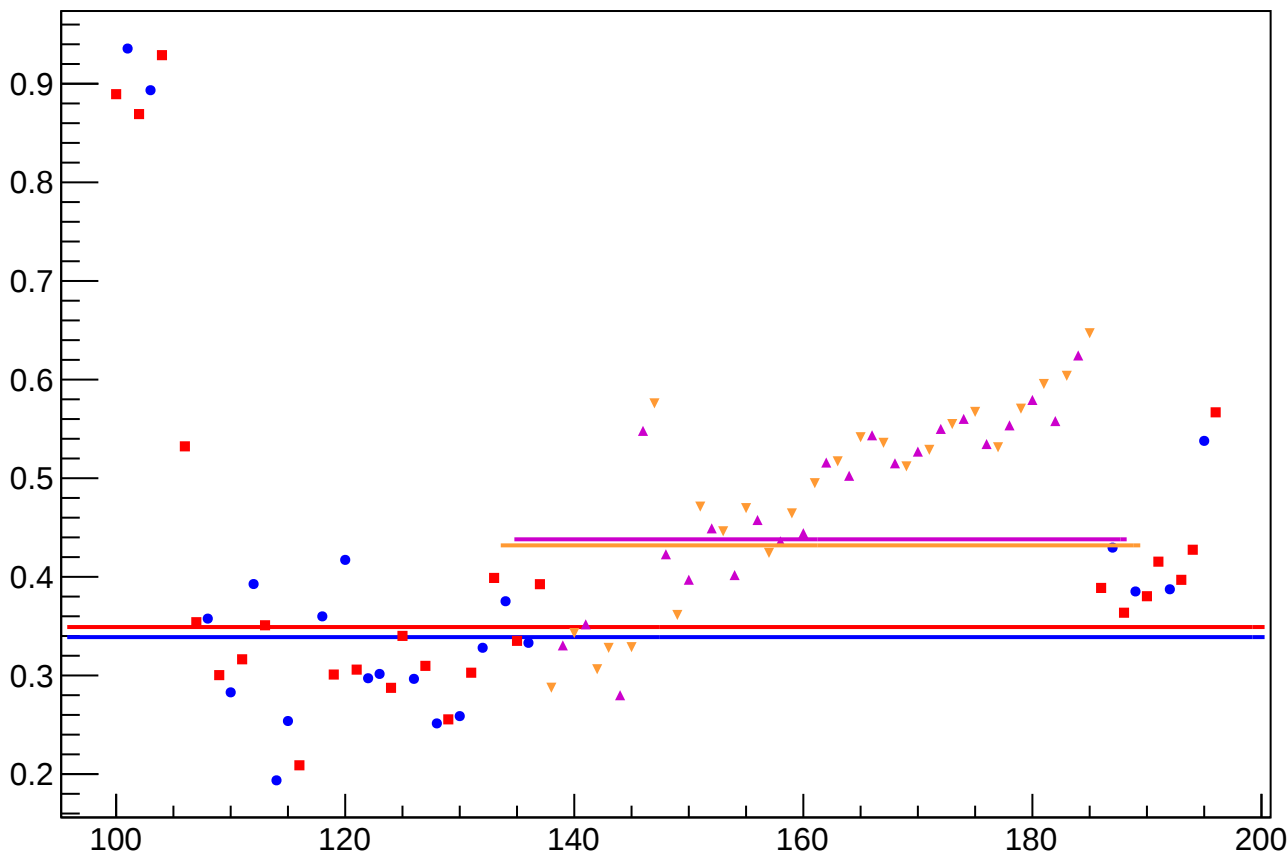
yield_bcm_an_ds3_mean vs Slug



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: 142.561 ± 0.000 χ^2/NDF : 7276046434.0/25
 Left In: 148.298 ± 0.000 χ^2/NDF : 332527463.6/22

+ sign 146.754 ± 0.000 χ^2/NDF : 4347670551.4/45
 All: 146.120 ± 0.000 χ^2/NDF : 13425907785.
 - sign 145.508 ± 0.000 χ^2/NDF : 8953464835.4/48

yield_bcm_an_ds3_rms vs Slug



Right In: 0.339 ± 0.000 χ^2/NDF : 1598953.8/20

Left Out: 0.432 ± 0.000 χ^2/NDF : 1924979.0/24

Right Out: 0.349 ± 0.000 χ^2/NDF : 1604212.2/25

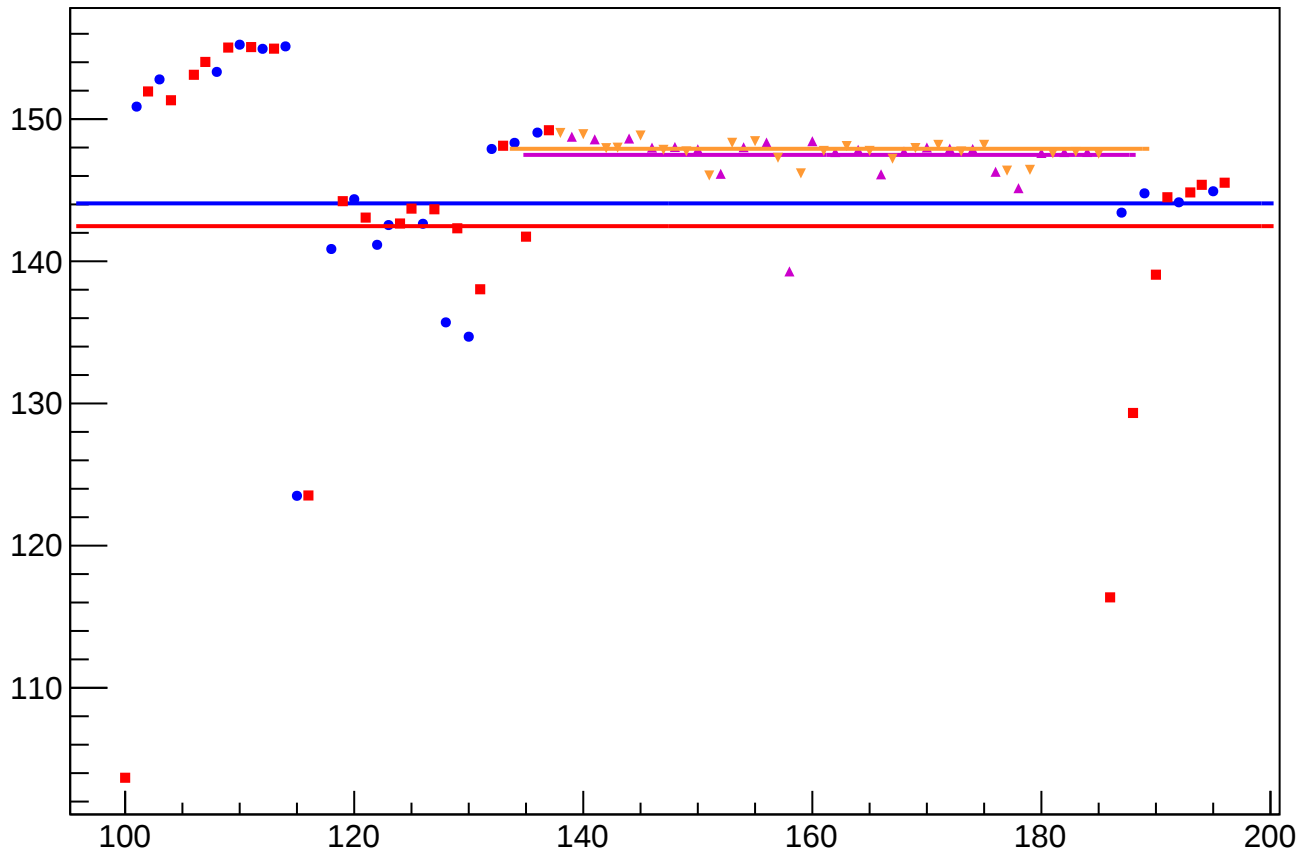
Left In: 0.438 ± 0.000 χ^2/NDF : 1504635.6/22

+ sign 0.392 ± 0.000 χ^2/NDF : 4191759.0/45

All: 0.394 ± 0.000 χ^2/NDF : 7948321.7/94

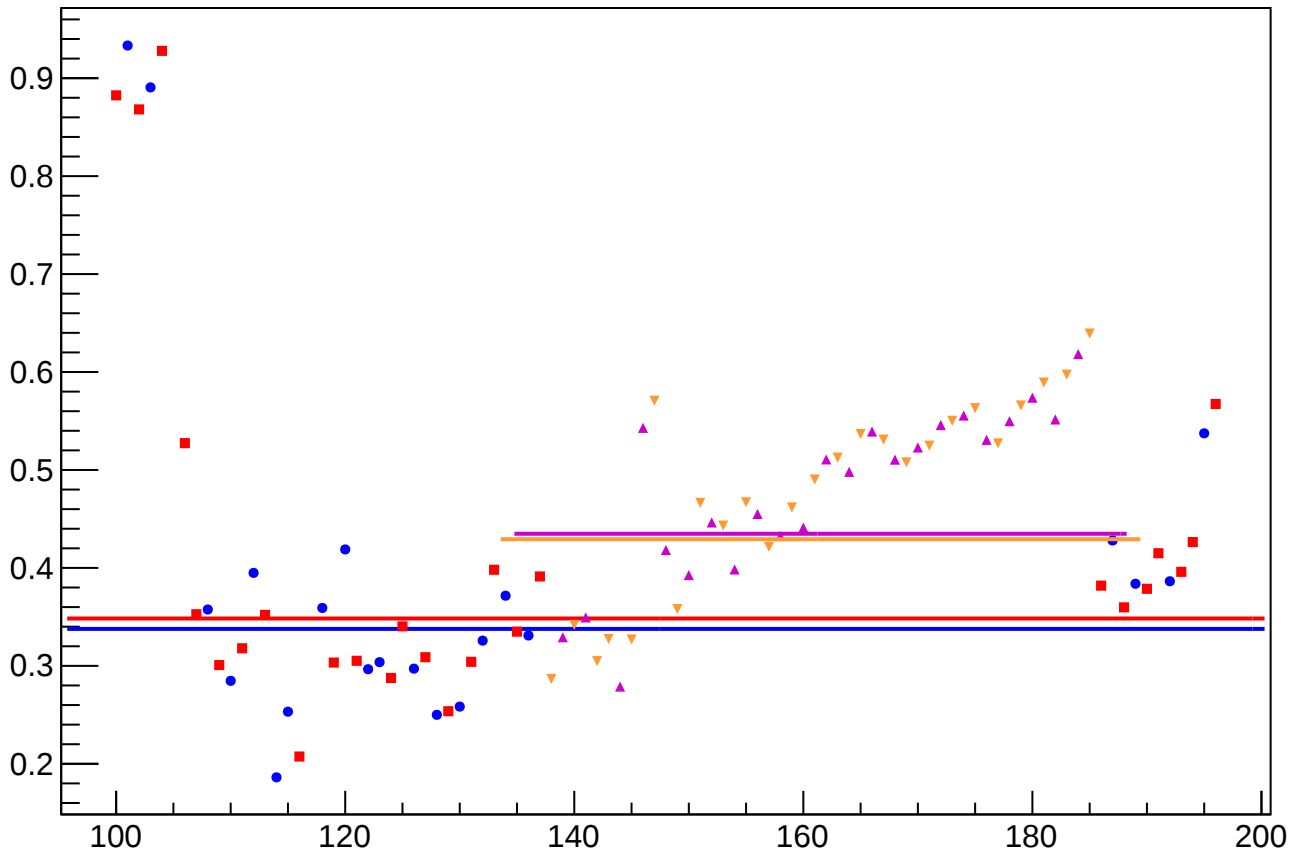
- sign 0.395 ± 0.000 χ^2/NDF : 3755579.9/48

yield_bcm_an_us_mean vs Slug



Right In: 144.073 $\pm$ 0.000	χ^2 /NDF: 3666110697.4/20	+ sign 146.285 $\pm$ 0.000	χ^2 /NDF: 4304366259.3/45
Left Out: 147.912 $\pm$ 0.000	χ^2 /NDF: 64463426.1/24	All: 145.661 $\pm$ 0.000	χ^2 /NDF: 13523419603.
Right Out: 142.471 $\pm$ 0.000	χ^2 /NDF: 7717637527.5/25	- sign 145.059 $\pm$ 0.000	χ^2 /NDF: 9097113239.6/48
Left In: 147.483 $\pm$ 0.000	χ^2 /NDF: 342674720.4/22		

yield_bcm_an_us_rms vs Slug



Right In: 0.338 ± 0.000 χ^2/NDF : 1614618.4/20

Left Out: 0.429 ± 0.000 χ^2/NDF : 1891709.3/24

Right Out: 0.348 ± 0.000 χ^2/NDF : 1602592.3/25

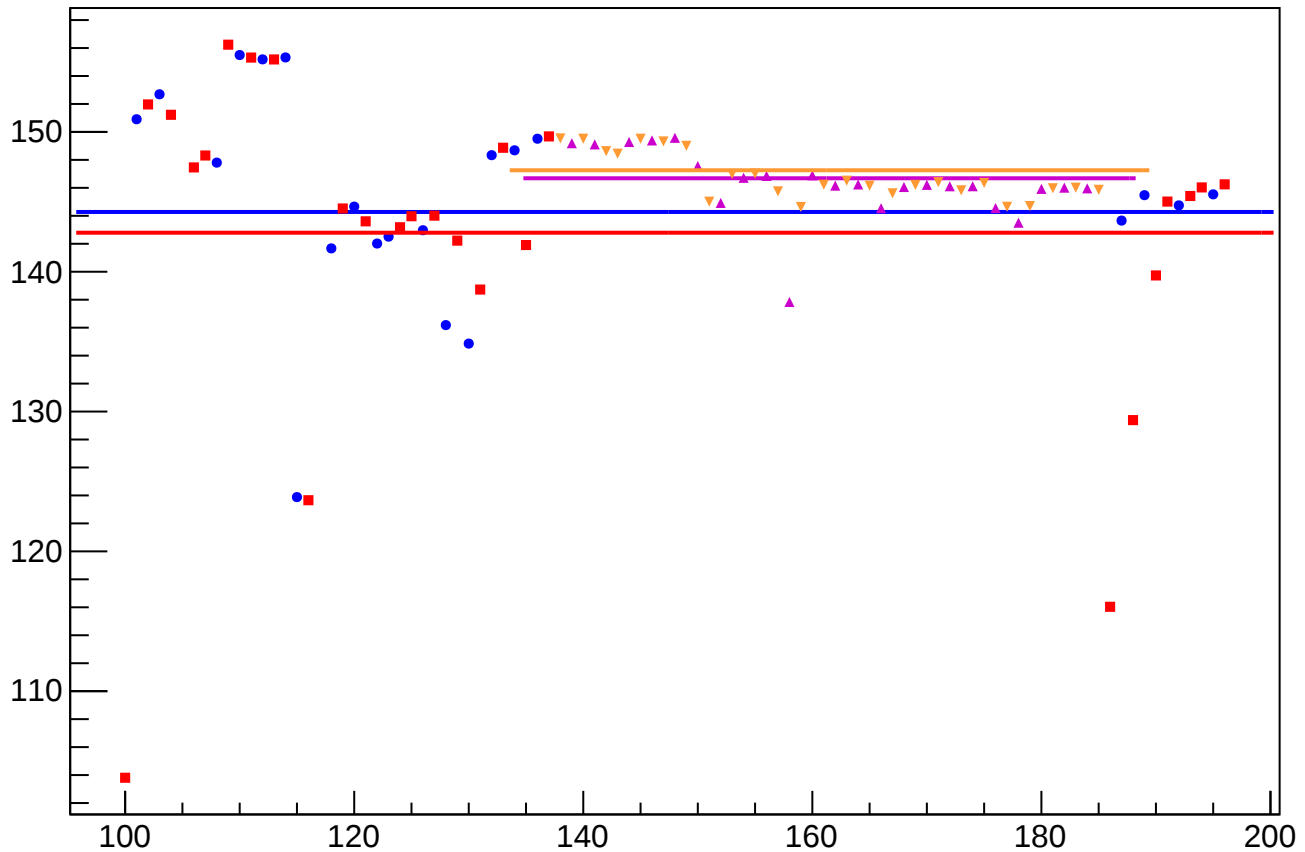
Left In: 0.435 ± 0.000 χ^2/NDF : 1485915.1/22

+ sign 0.390 ± 0.000 χ^2/NDF : 4159044.7/45

All: 0.392 ± 0.000 χ^2/NDF : 7866395.5/94

- sign 0.393 ± 0.000 χ^2/NDF : 3706312.2/48

yield_bcm_dg_us_mean vs Slug



Right In: 144.275 $\pm$ 0.000 χ^2 /NDF: 3171531910.4/20

Left Out: 147.257 $\pm$ 0.000 χ^2 /NDF: 261906278.3/24

Right Out: 142.791 $\pm$ 0.000 χ^2 /NDF: 7033034622.5/25

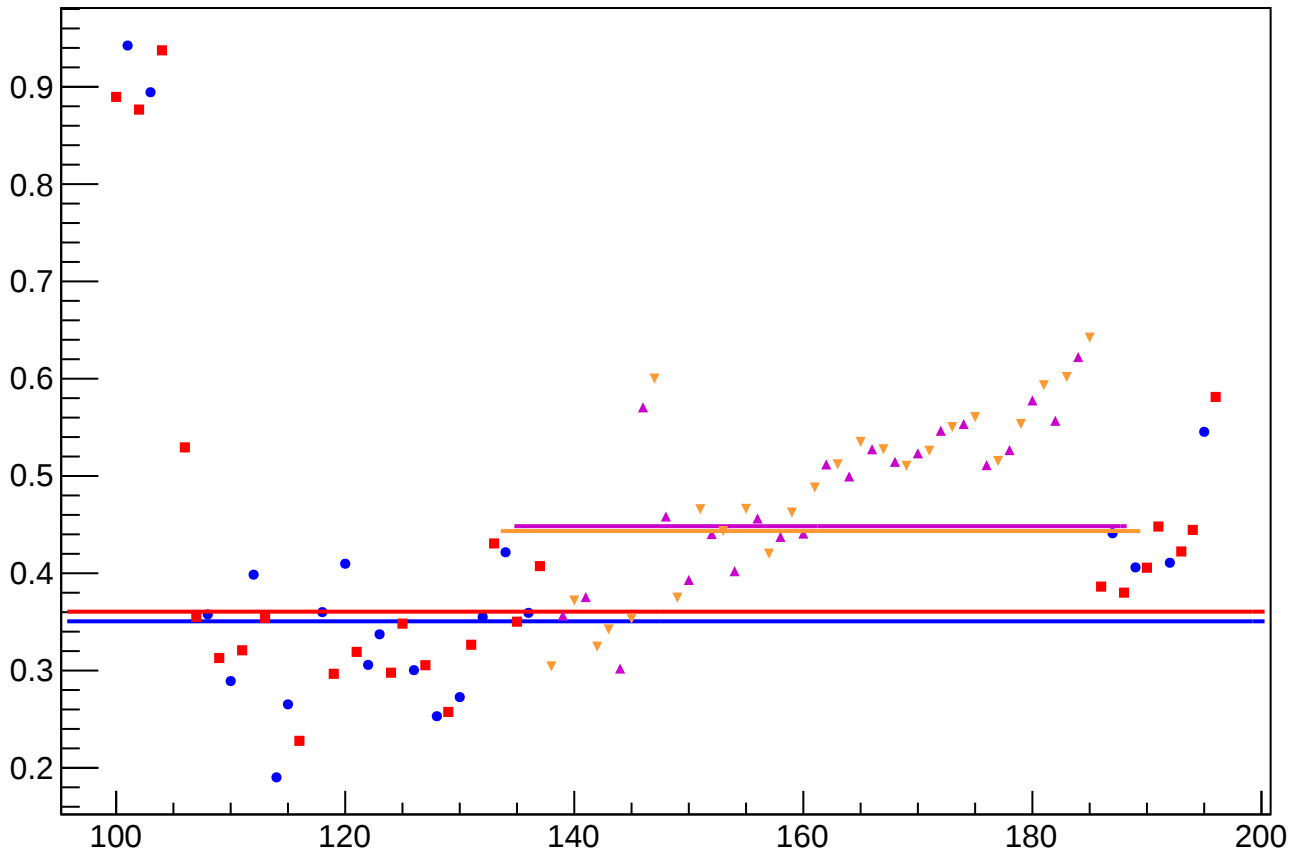
Left In: 146.685 $\pm$ 0.000 χ^2 /NDF: 554922388.0/22

+ sign 146.010 $\pm$ 0.000 χ^2 /NDF: 3756735515.1/45

All: 145.405 $\pm$ 0.000 χ^2 /NDF: 12039912595.0/48

- sign 144.823 $\pm$ 0.000 χ^2 /NDF: 8175748536.9/48

yield_bcm_dg_us_rms vs Slug



Right In: 0.351 ± 0.000 χ^2/NDF : 1594769.2/20

Left Out: 0.443 ± 0.000 χ^2/NDF : 1480479.3/24

Right Out: 0.361 ± 0.000 χ^2/NDF : 1587539.3/25

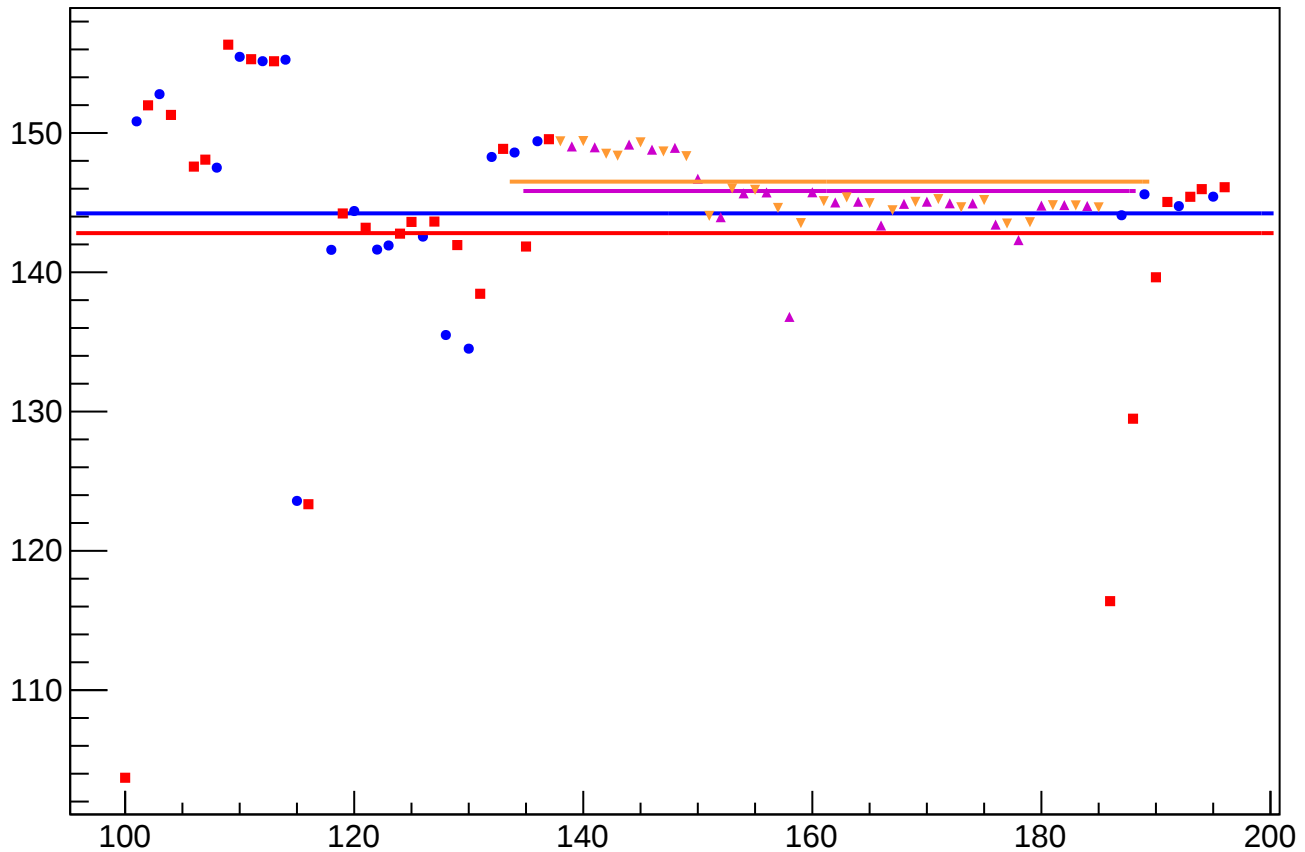
Left In: 0.448 ± 0.000 χ^2/NDF : 1120261.8/22

+ sign 0.405 ± 0.000 χ^2/NDF : 3701095.1/45

All: 0.406 ± 0.000 χ^2/NDF : 7007453.1/94

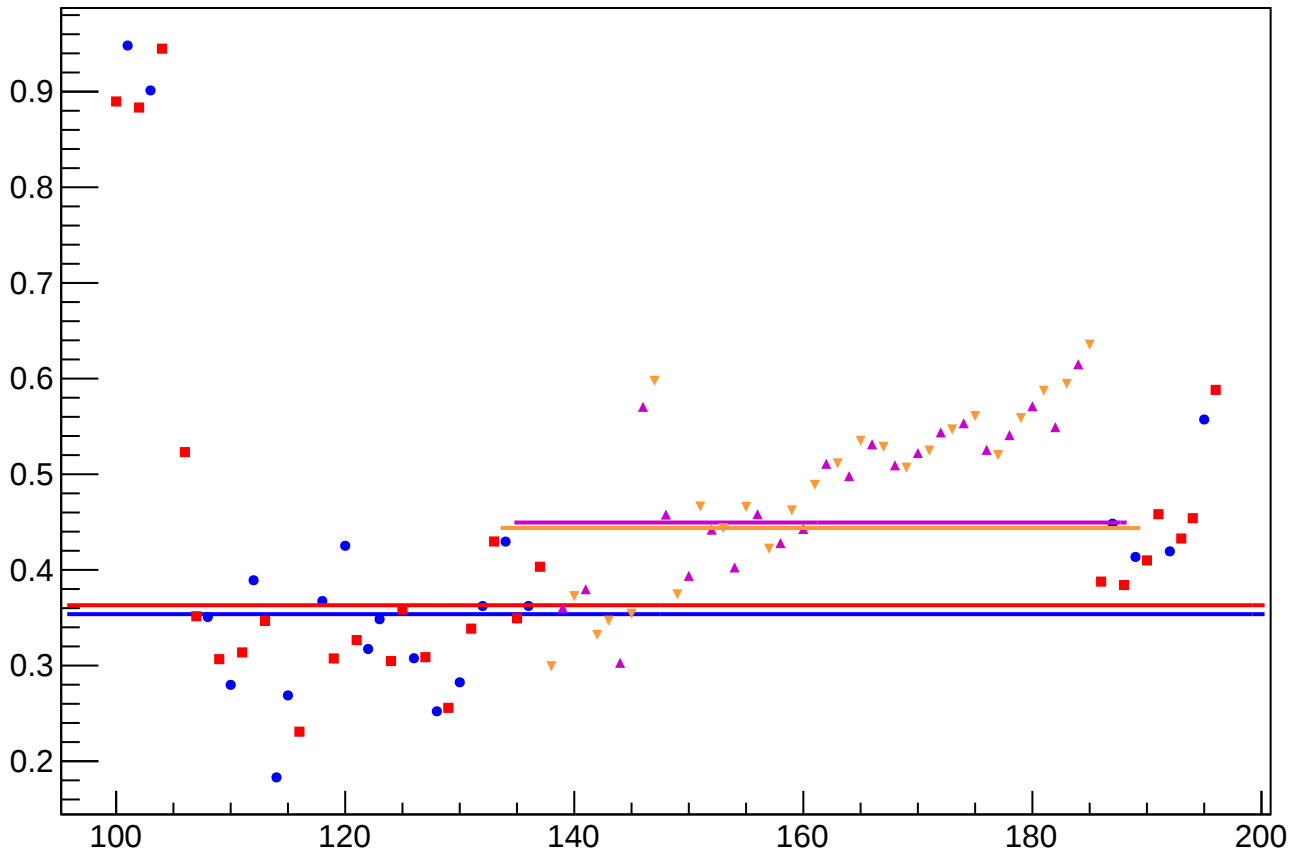
- sign 0.406 ± 0.000 χ^2/NDF : 3305864.9/48

yield_bcm_dg_ds_mean vs Slug



Right In: 144.230 $\pm$ 0.000	χ^2 /NDF: 3291213645.0/20	+ sign 145.567 $\pm$ 0.000	χ^2 /NDF: 3878536116.8/45
Left Out: 146.508 $\pm$ 0.000	χ^2 /NDF: 401248837.9/24	All: 144.971 $\pm$ 0.000	χ^2 /NDF: 12027063853.0
Right Out: 142.811 $\pm$ 0.000	χ^2 /NDF: 7005019438.7/25	- sign 144.397 $\pm$ 0.000	χ^2 /NDF: 8045512585.4/48
Left In: 145.834 $\pm$ 0.000	χ^2 /NDF: 690172810.0/22		

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: 0.363 ± 0.000 $\chi^2/\text{NDF}: 1601452.5/25$

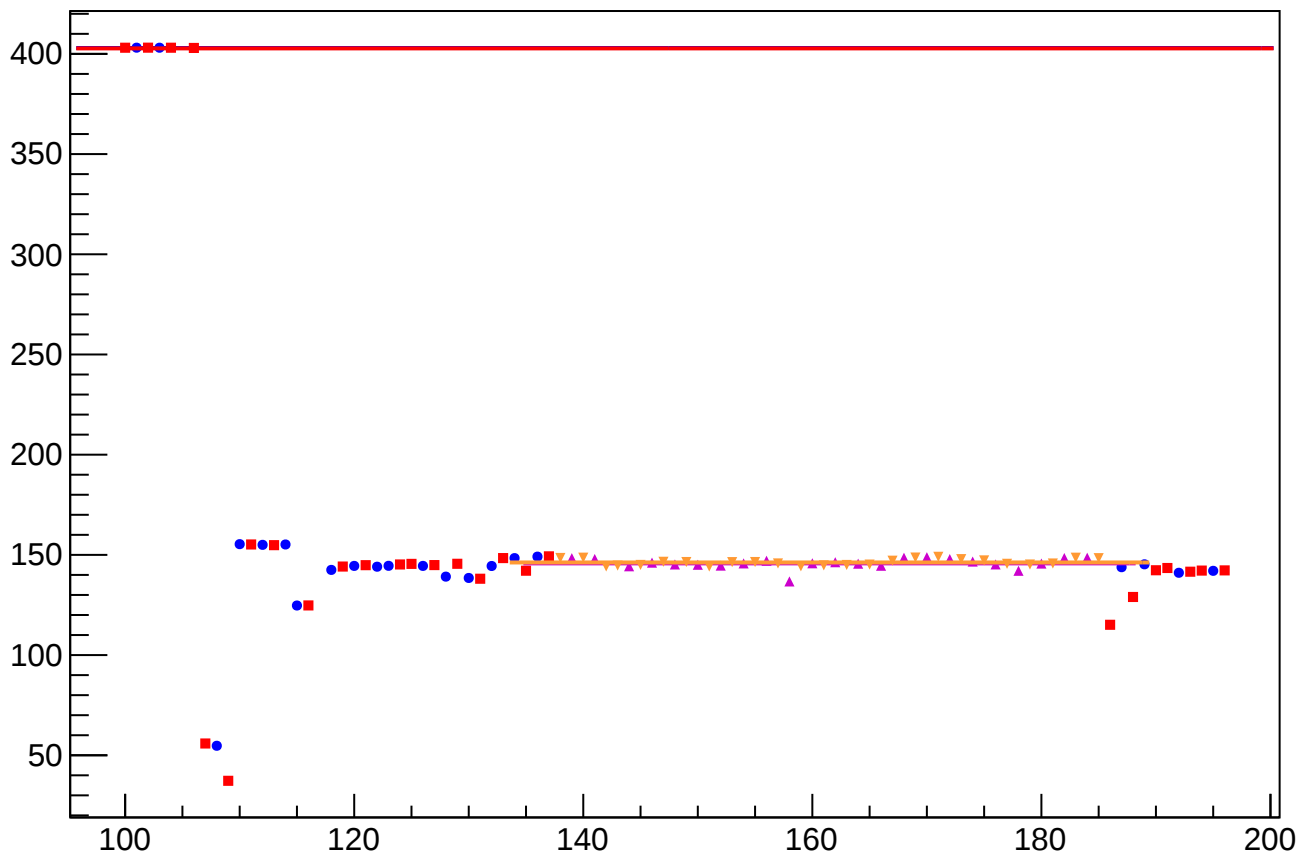
Left In: 0.450 ± 0.000 $\chi^2/\text{NDF}: 1092776.5/22$

+ sign 0.407 ± 0.000 $\chi^2/\text{NDF}: 3673725.0/45$

All: 0.408 ± 0.000 $\chi^2/\text{NDF}: 6941550.6/94$

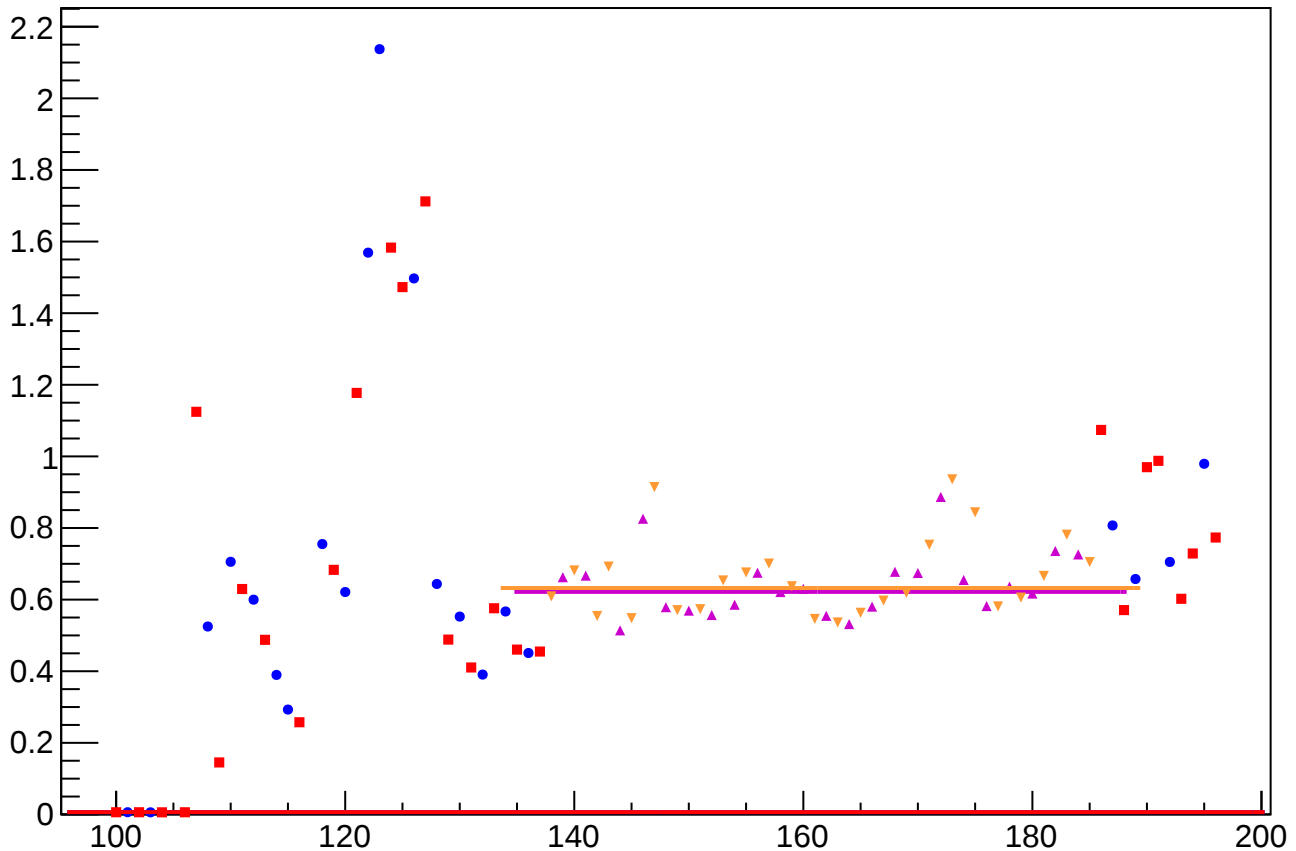
- sign 0.408 ± 0.000 $\chi^2/\text{NDF}: 3267304.3/48$

yield_cav4bQ_mean vs Slug



Right In: 402.931+/-0.000	χ^2/NDF : 1308037223905.6/20	+ sign 402.636+/-0.000	χ^2/NDF : 3668852360756.6
Left Out: 146.216+/-0.000	χ^2/NDF : 86042286.3/24	All: 402.557+/-0.000	χ^2/NDF : 961009179159
Right Out: 402.744+/-0.000	χ^2/NDF : 3612154453238.6/25	- sign 402.488+/-0.000	χ^2/NDF : 5940874291842.7/
Left In: 145.755+/-0.000	χ^2/NDF : 206171532.0/22		

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: 15987643.2/25

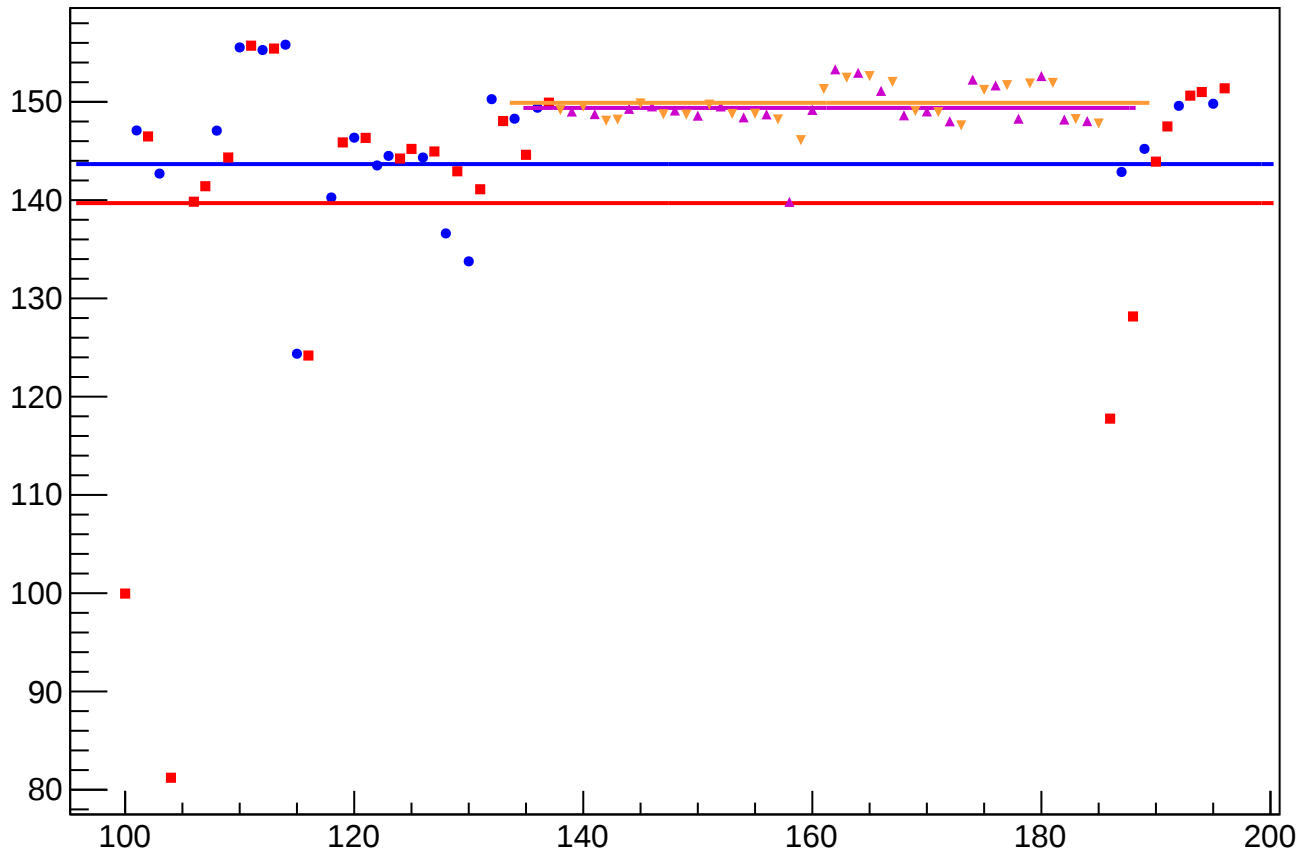
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:399965.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 41456297.6/45

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 84526417.3/94

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 43070022.8/48

yield_cav4cQ_mean vs Slug



Right In: 143.668 $\pm$ 0.000 χ^2 /NDF: 1135418212.4/20

Left Out: 149.900 $\pm$ 0.000 χ^2 /NDF: 162845622.6/24

Right Out: 139.696 $\pm$ 0.000 χ^2 /NDF: 2920067582.0/25

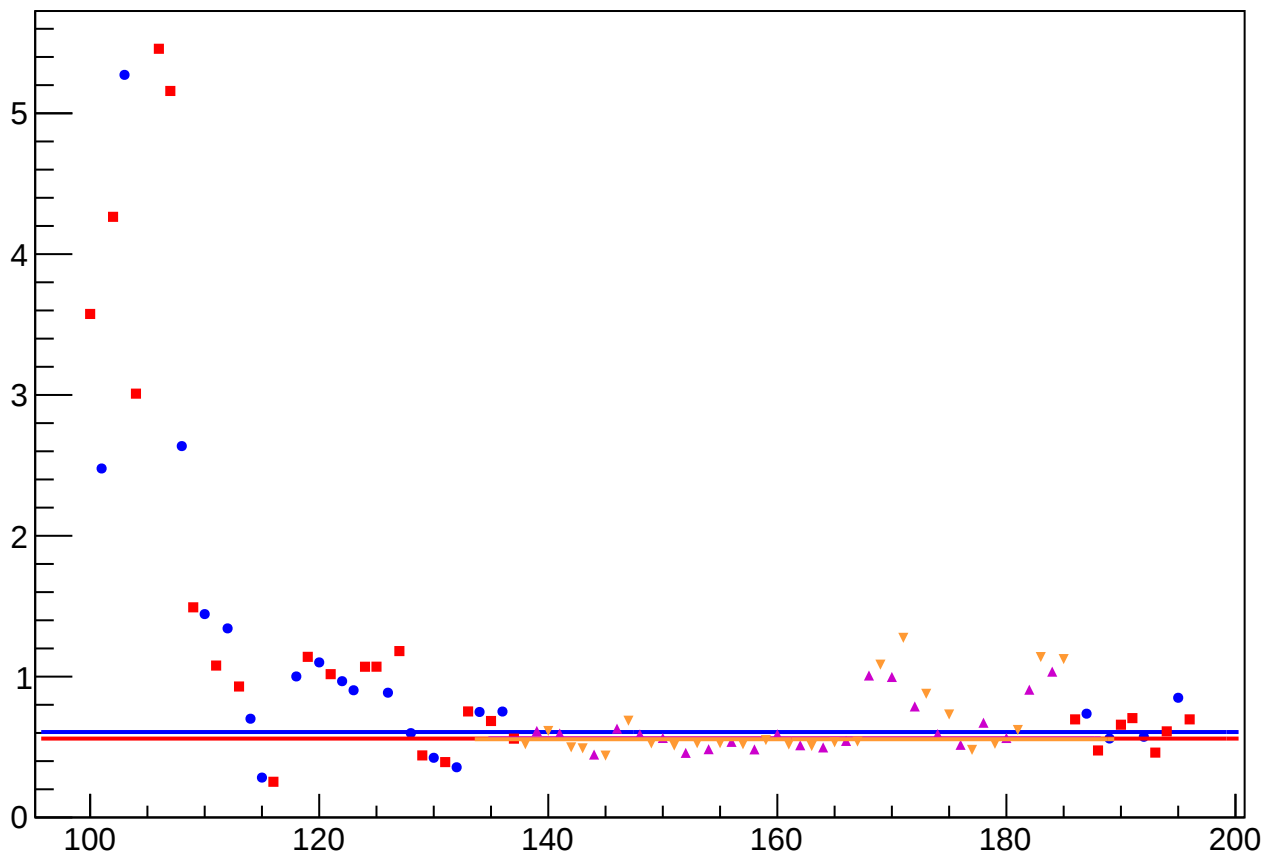
Left In: 149.382 $\pm$ 0.000 χ^2 /NDF: 434657827.5/22

+ sign 148.504 $\pm$ 0.000 χ^2 /NDF: 1739735638.2/45

All: 147.399 $\pm$ 0.000 χ^2 /NDF: 6638388750.6

- sign 146.350 $\pm$ 0.000 χ^2 /NDF: 4743063612.4/48

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: 0.560 ± 0.000 χ^2/NDF : 4864583.4/25

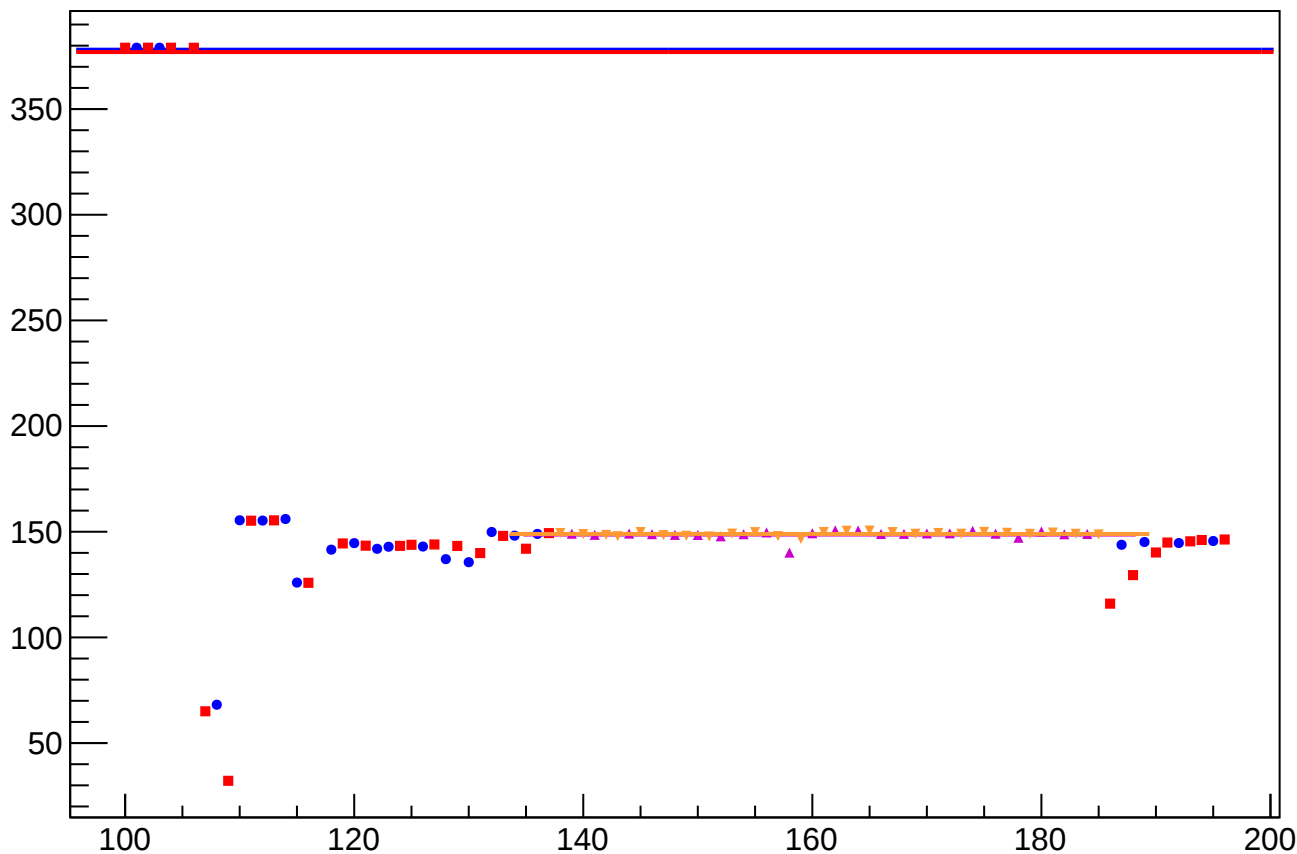
Left In: 0.562 ± 0.000 χ^2/NDF : 1305573.4/22

+ sign 0.567 ± 0.000 χ^2/NDF : 5494064.0/45

All: 0.564 ± 0.000 χ^2/NDF : 11666482.7/94

- sign 0.561 ± 0.000 χ^2/NDF : 6170242.8/48

yield_cav4dQ_mean vs Slug



Right In: 378.102 $\pm$ 0.000 χ^2 /NDF: 3067551084367.6/20

Left Out: 148.944 $\pm$ 0.000 χ^2 /NDF: 63976941.3/24

Right Out: 376.980 $\pm$ 0.000 χ^2 /NDF: 9401470252398.8/25

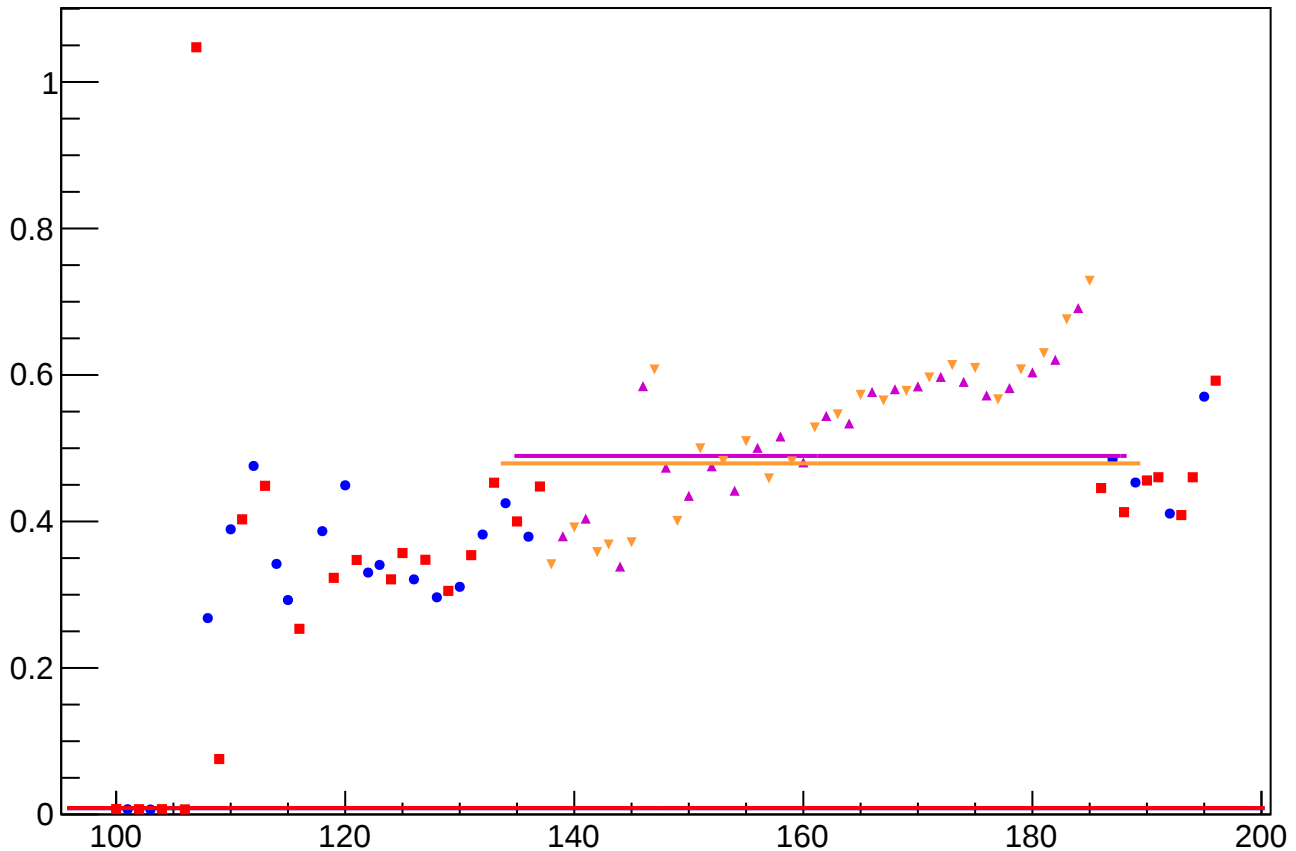
Left In: 148.672 $\pm$ 0.000 χ^2 /NDF: 252846428.3/22

+ sign 376.825 $\pm$ 0.000 χ^2 /NDF: 6968629852429.7

All: 376.363 $\pm$ 0.000 χ^2 /NDF: 199248792363

- sign 375.958 $\pm$ 0.000 χ^2 /NDF: 12950881594053.8

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 : 17260967.7/25

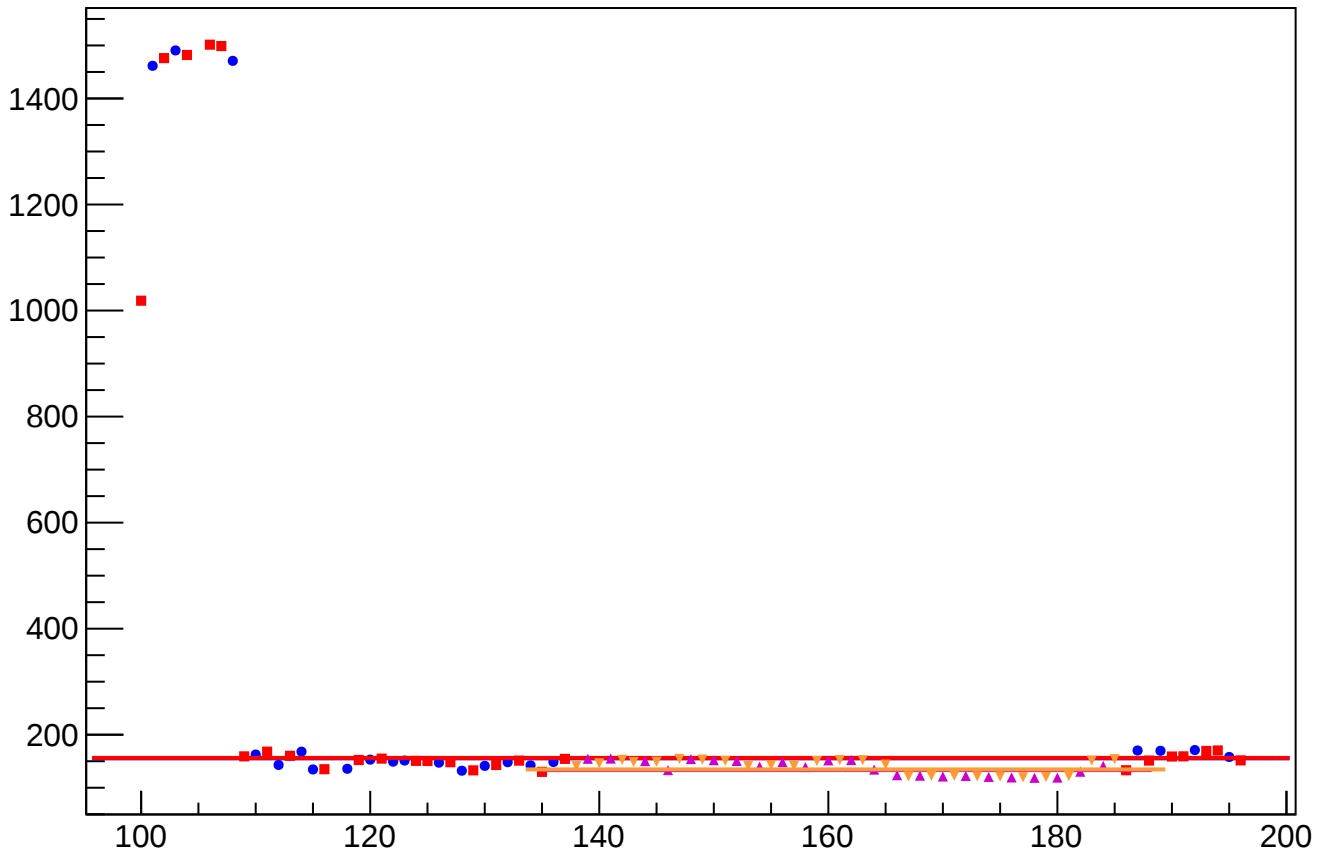
Left In: 0.489+/-0.000 χ^2/NDF : 1076134.2/22

+ sign 0.011+/-0.000 χ^2/NDF : 48742594.4/45

All: 0.011+/-0.000 χ^2/NDF : 98554600.9/94

- sign 0.011+/-0.000 χ^2/NDF : 49811206.0/48

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: 156.232+/-0.000 χ^2/NDF : 34647241256.2/25

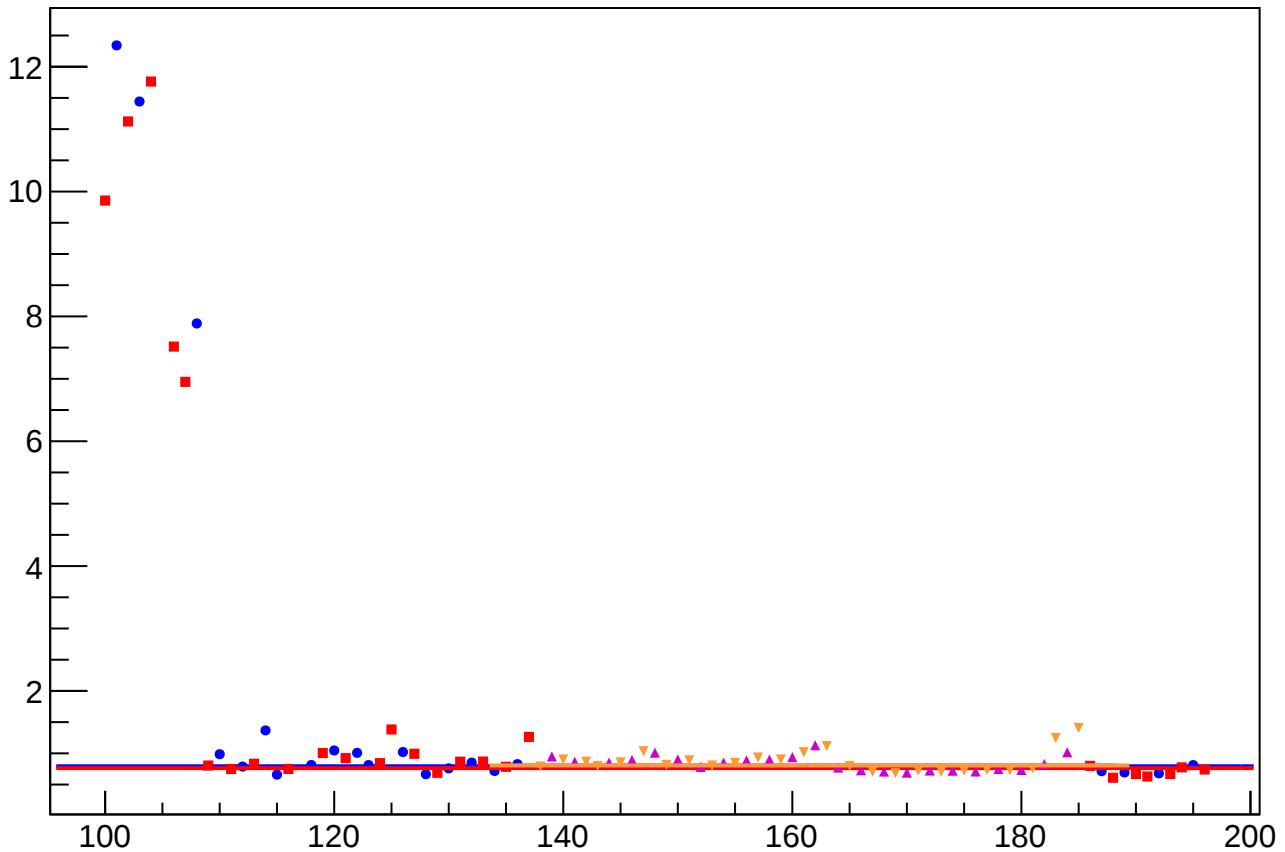
Left In: 133.337+/-0.000 χ^2/NDF : 4303812119.2/22

+ sign 140.428+/-0.000 χ^2/NDF : 32692397253.9/45

All: 141.085+/-0.000 χ^2/NDF : 76019942833.0/48

- sign 141.691+/-0.000 χ^2/NDF : 43300170276.3/48

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: 0.763+/-0.000 χ^2/NDF : 3122641.0/25

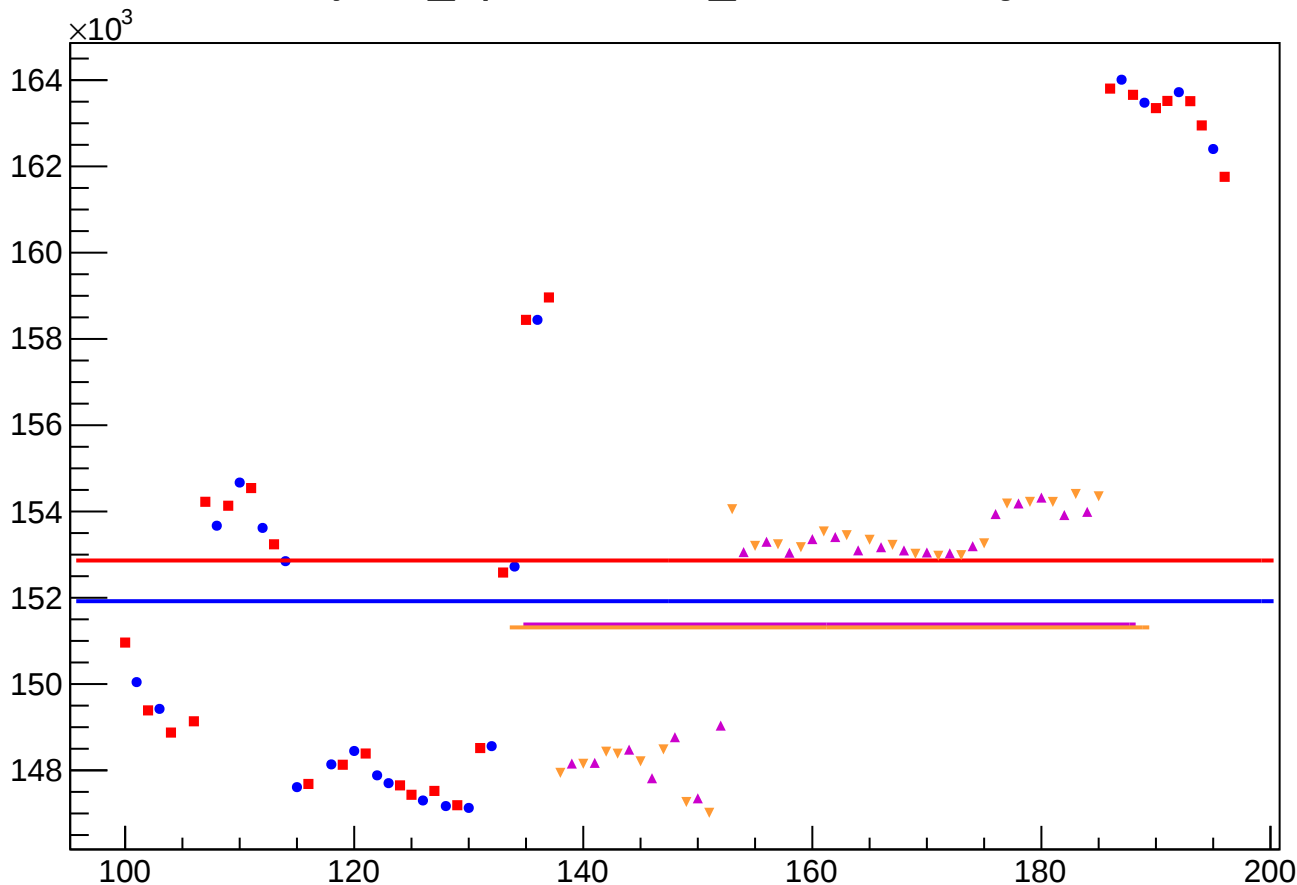
Left In: 0.805+/-0.000 χ^2/NDF : 480510.8/22

+ sign 0.802+/-0.000 χ^2/NDF : 3447032.3/45

All: 0.796+/-0.000 χ^2/NDF : 7083999.4/94

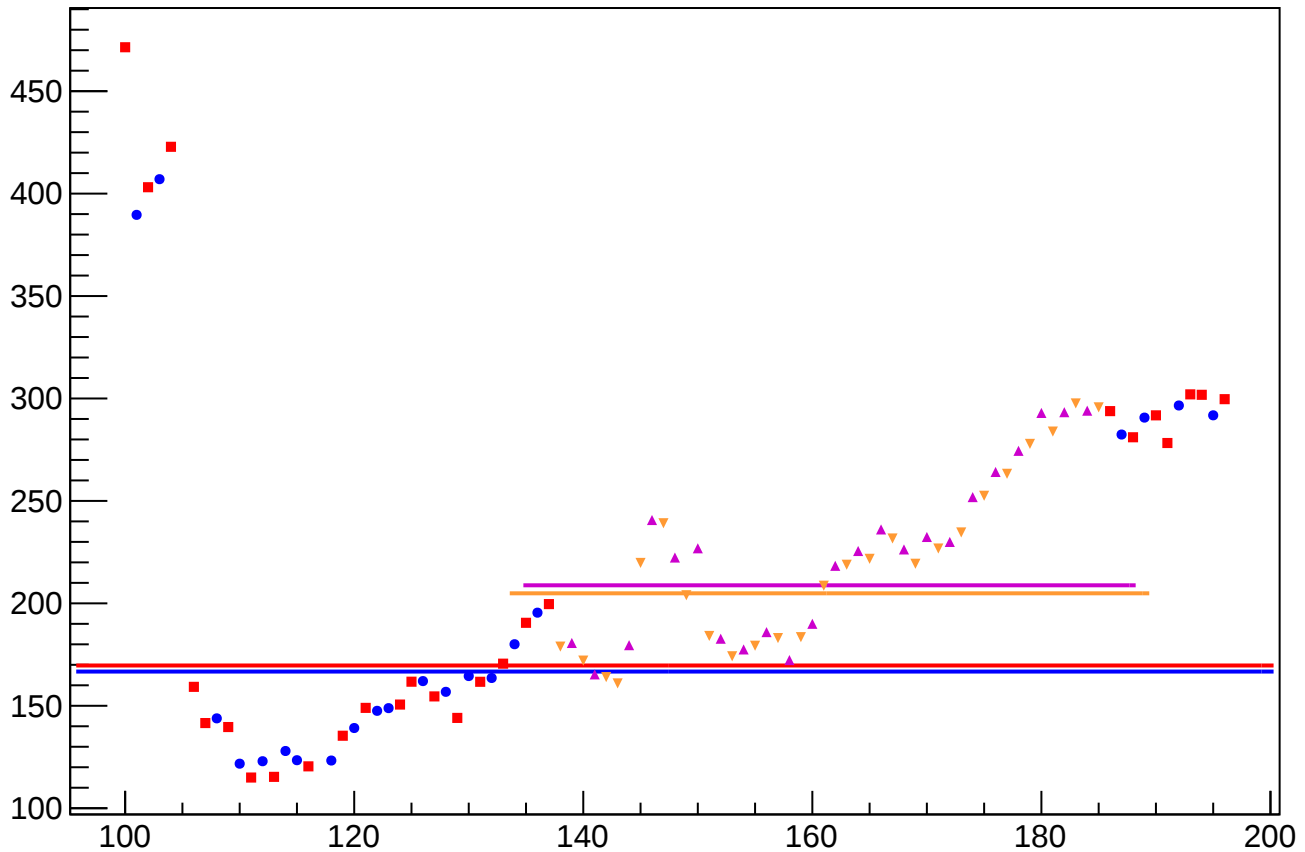
- sign 0.790+/-0.000 χ^2/NDF : 3631465.8/48

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: 152864.181 $\pm$ 0.055 χ^2 /NDF: 9332927680.7/25
 Left In: 151380.236 $\pm$ 0.051 χ^2 /NDF: 2363895785.3/22
 + sign 151554.984 $\pm$ 0.038 χ^2 /NDF: 10425121046.
 All: 151812.907 $\pm$ 0.027 χ^2 /NDF: 226035502.
 - sign 152067.209 $\pm$ 0.038 χ^2 /NDF: 12085868074.8

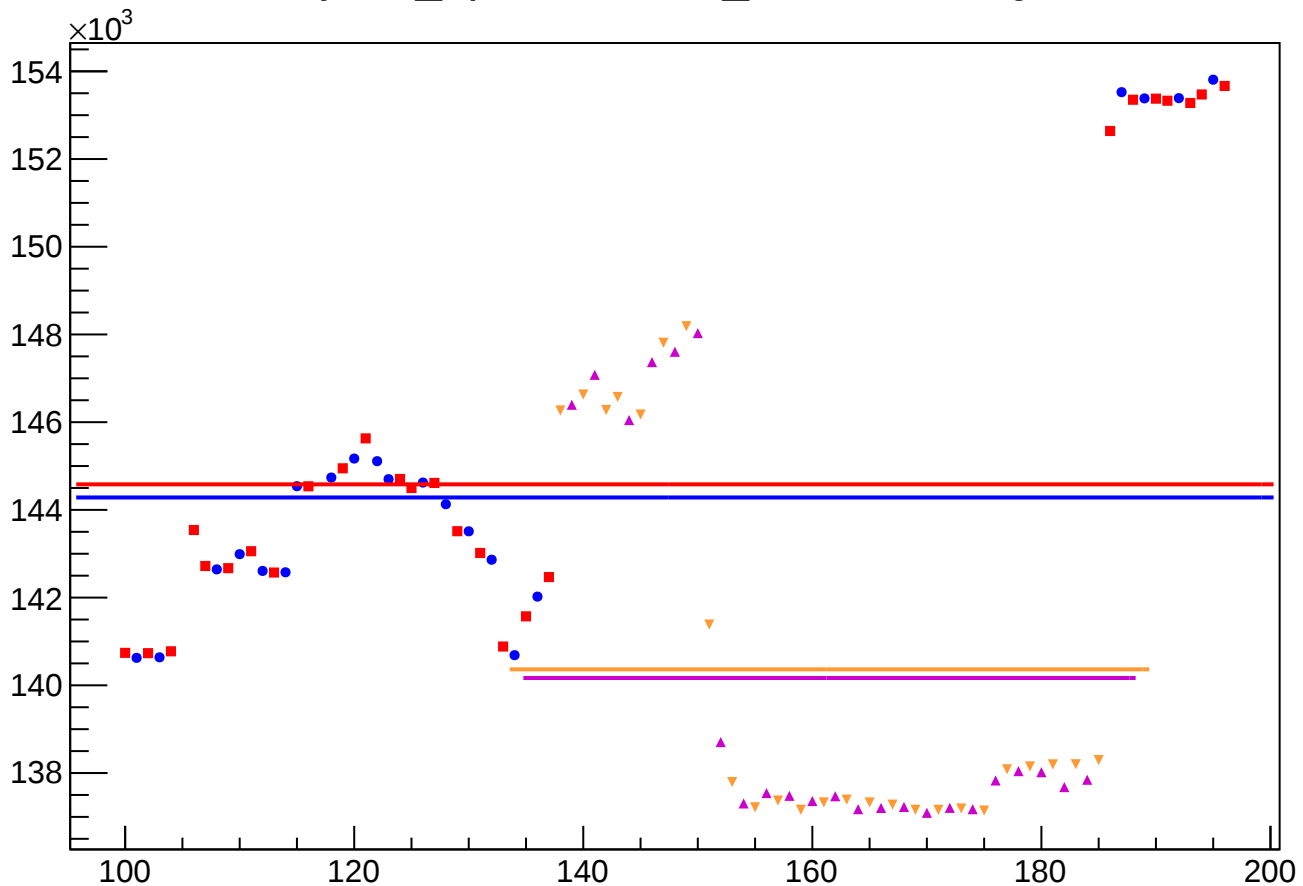
yield_bpm0i01WS_rms vs Slug



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: 169.670 $\pm$ 0.039 χ^2 /NDF: 2943201.2/25
 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: 190.203 $\pm$ 0.019 χ^2 /NDF: 8156870.5/94
 - sign 190.692 $\pm$ 0.027 χ^2 /NDF: 4486506.4/48

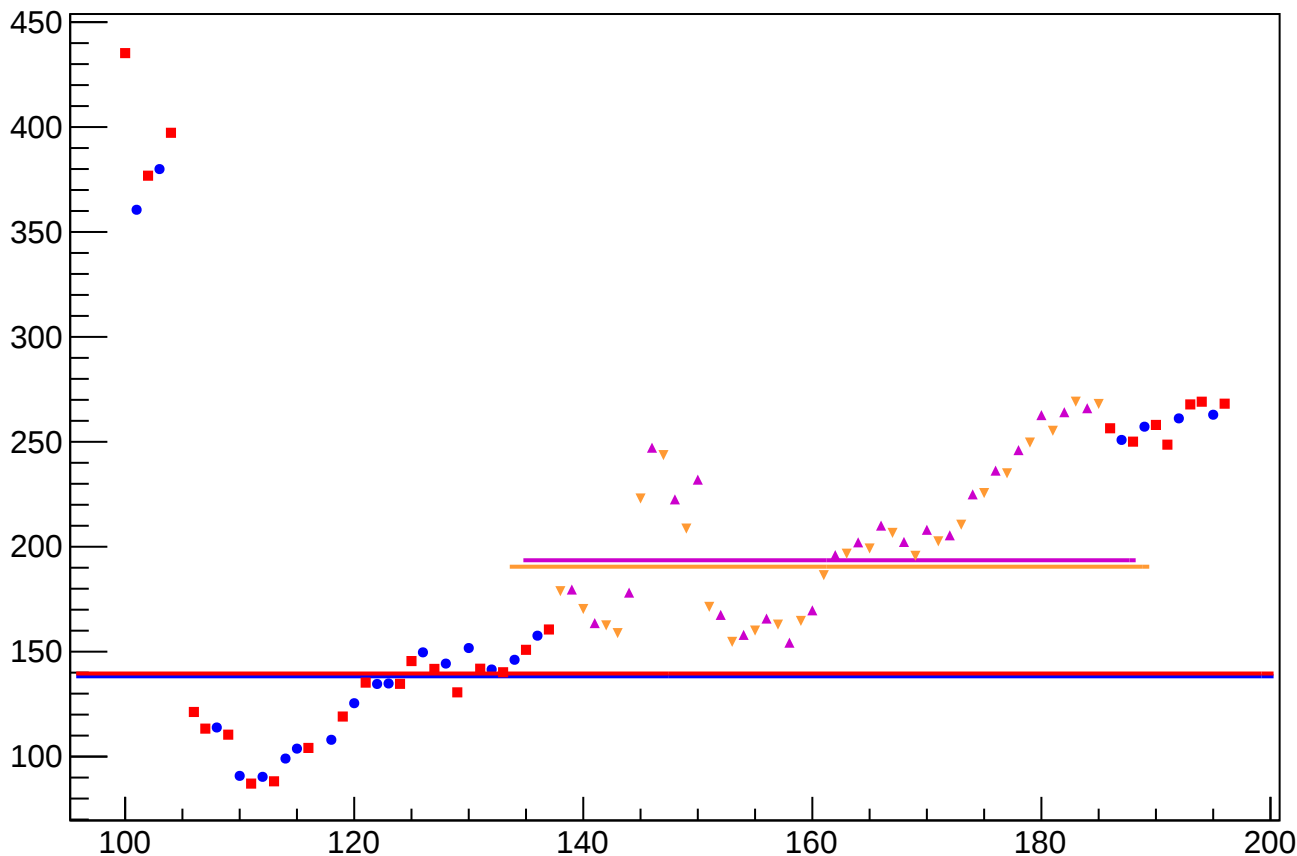
yield_bpm0i01aWS_mean vs Slug



Right In: 144283.444+/-0.050 χ^2 /NDF: 3792354885.3/20
 Left Out: 140364.444+/-0.045 χ^2 /NDF: 8677078677.7/24
 Right Out: 144582.466+/-0.046 χ^2 /NDF: 6030894255.4/25
 Left In: 140166.971+/-0.047 χ^2 /NDF: 8028464654.6/22

+ sign 142111.935+/-0.034 χ^2 /NDF: 15818834256.
 All: 142285.046+/-0.024 χ^2 /NDF: 344096133
 - sign 142451.102+/-0.033 χ^2 /NDF: 18538955331.4

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: 139.589 $\pm$ 0.032 χ^2 /NDF: 3541022.4/25

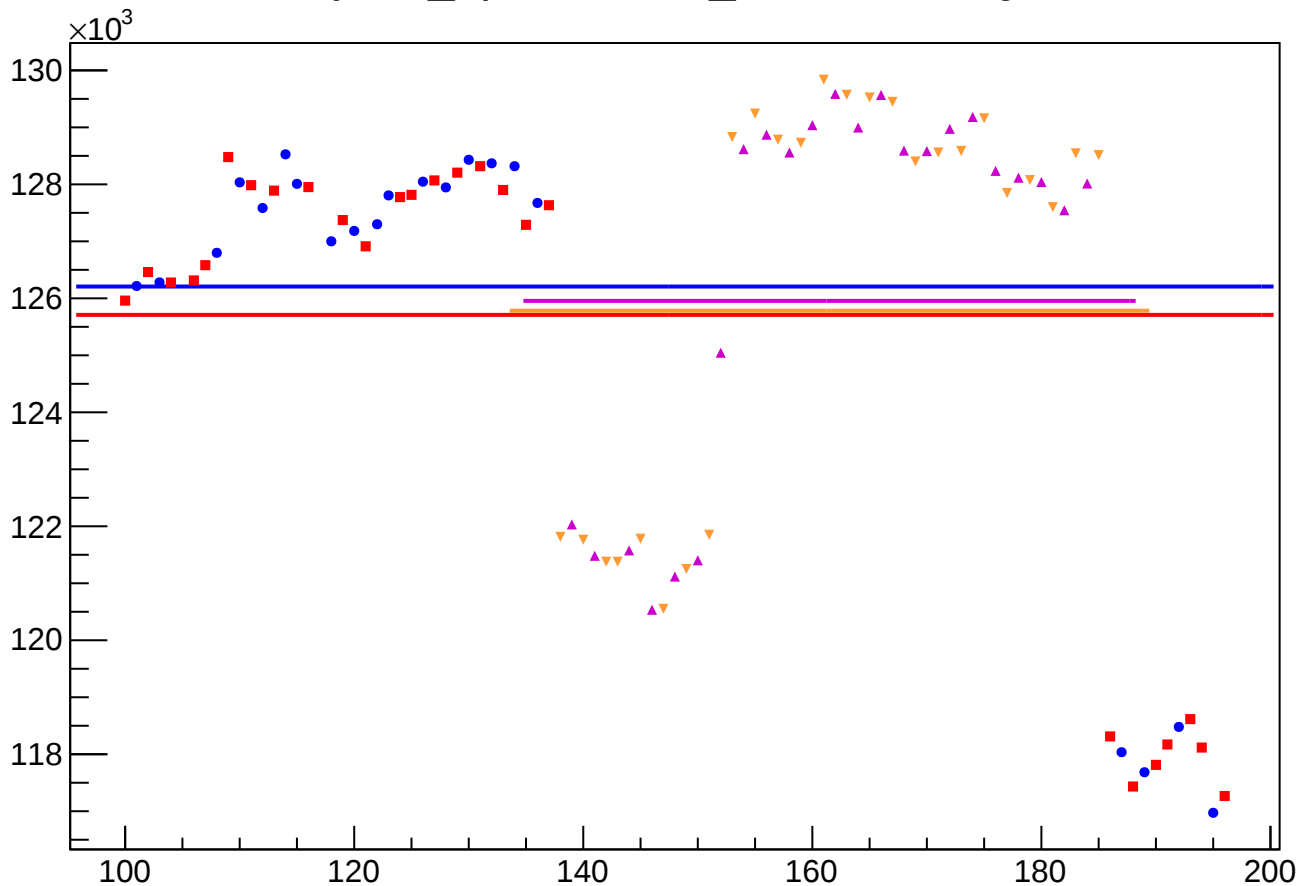
Left In: 193.558 $\pm$ 0.034 χ^2 /NDF: 963675.0/22

+ sign 167.196 $\pm$ 0.024 χ^2 /NDF: 4718663.0/45

All: 166.402 $\pm$ 0.017 χ^2 /NDF: 10563990.3/94

- sign 165.640 $\pm$ 0.023 χ^2 /NDF: 5843145.8/48

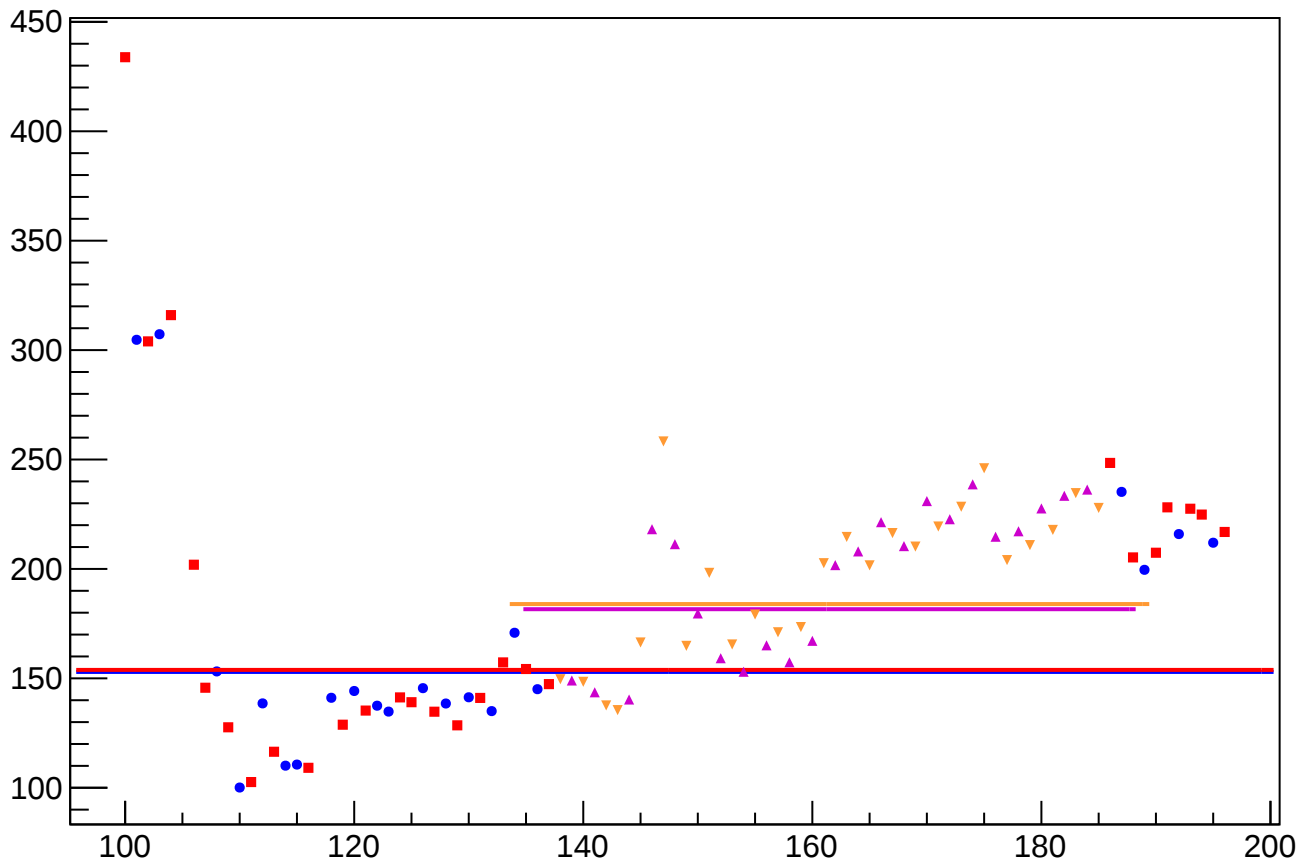
yield_bpm0l01WS_mean vs Slug



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: 125709.743 $\pm$ 0.049 χ^2 /NDF: 6809829223.6/25
 Left In: 125955.637 $\pm$ 0.045 χ^2 /NDF: 5804088930.1/22

+ sign 125953.570 $\pm$ 0.034 χ^2 /NDF: 11291645835.
 All: 125896.449 $\pm$ 0.024 χ^2 /NDF: 239248504
 - sign 125842.816 $\pm$ 0.033 χ^2 /NDF: 12627737116.1

yield_bpm0l01WS_rms vs Slug



Right In: 152.931 $\pm$ 0.038 χ^2 /NDF: 1268941.5/20

Left Out: 183.947 $\pm$ 0.031 χ^2 /NDF: 1123194.0/24

Right Out: 153.855 $\pm$ 0.034 χ^2 /NDF: 1910450.7/25

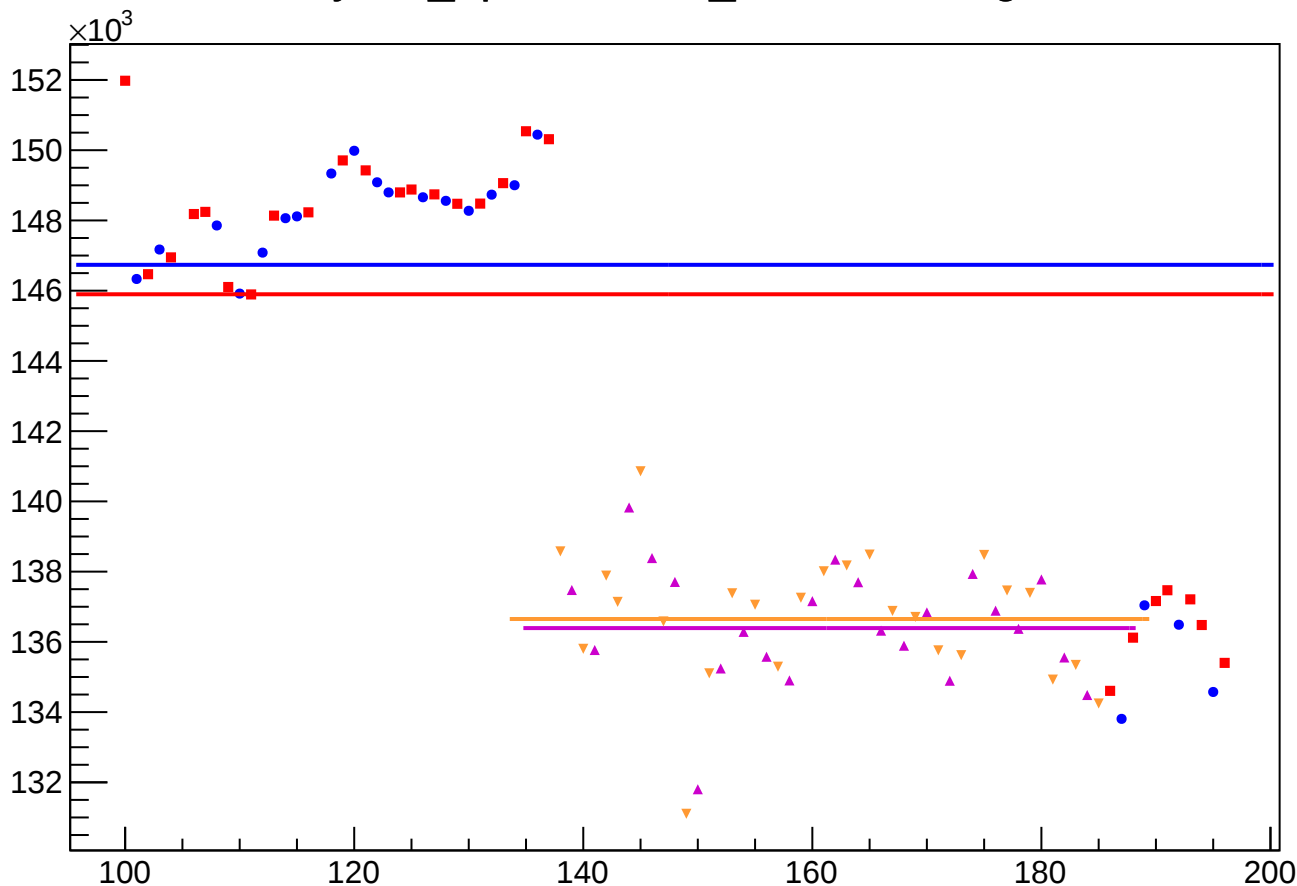
Left In: 181.596 $\pm$ 0.032 χ^2 /NDF: 1103524.3/22

+ sign 171.466 $\pm$ 0.024 χ^2 /NDF: 2791967.3/45

All: 170.126 $\pm$ 0.017 χ^2 /NDF: 6163709.9/94

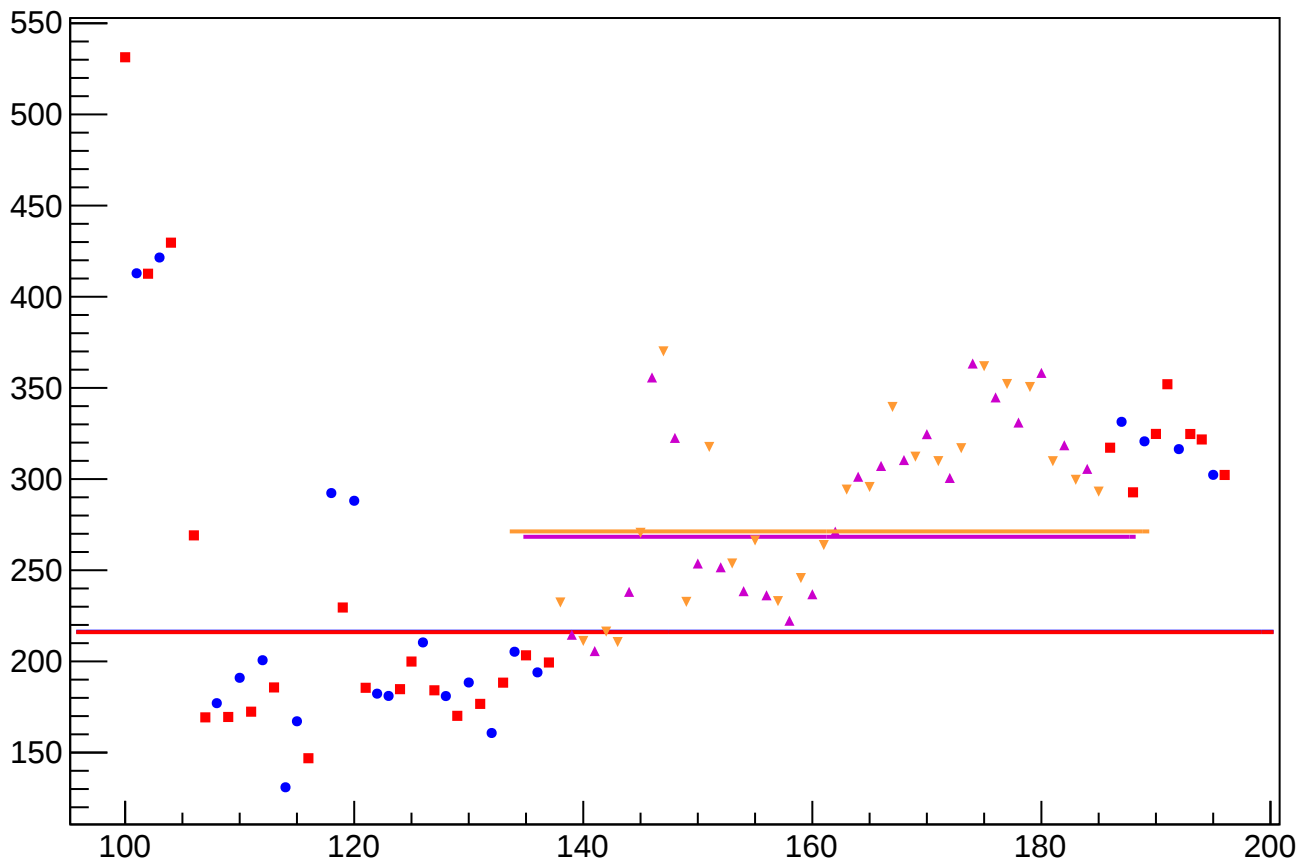
- sign 168.868 $\pm$ 0.023 χ^2 /NDF: 3365725.3/48

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: 145897.732 $\pm$ 0.068 χ^2/NDF : 5274433588.4/25
 Left In: 136392.188 $\pm$ 0.066 χ^2/NDF : 701986841.4/22

yield_bpm0l02WS_rms vs Slug



Right In: 216.304+/-0.054 χ^2/NDF : 1460476.2/20

Left Out: 271.295+/-0.046 χ^2/NDF :1064485.7/24

Right Out: 216.048+/-0.048 χ^2/NDF : 1857148.0/25

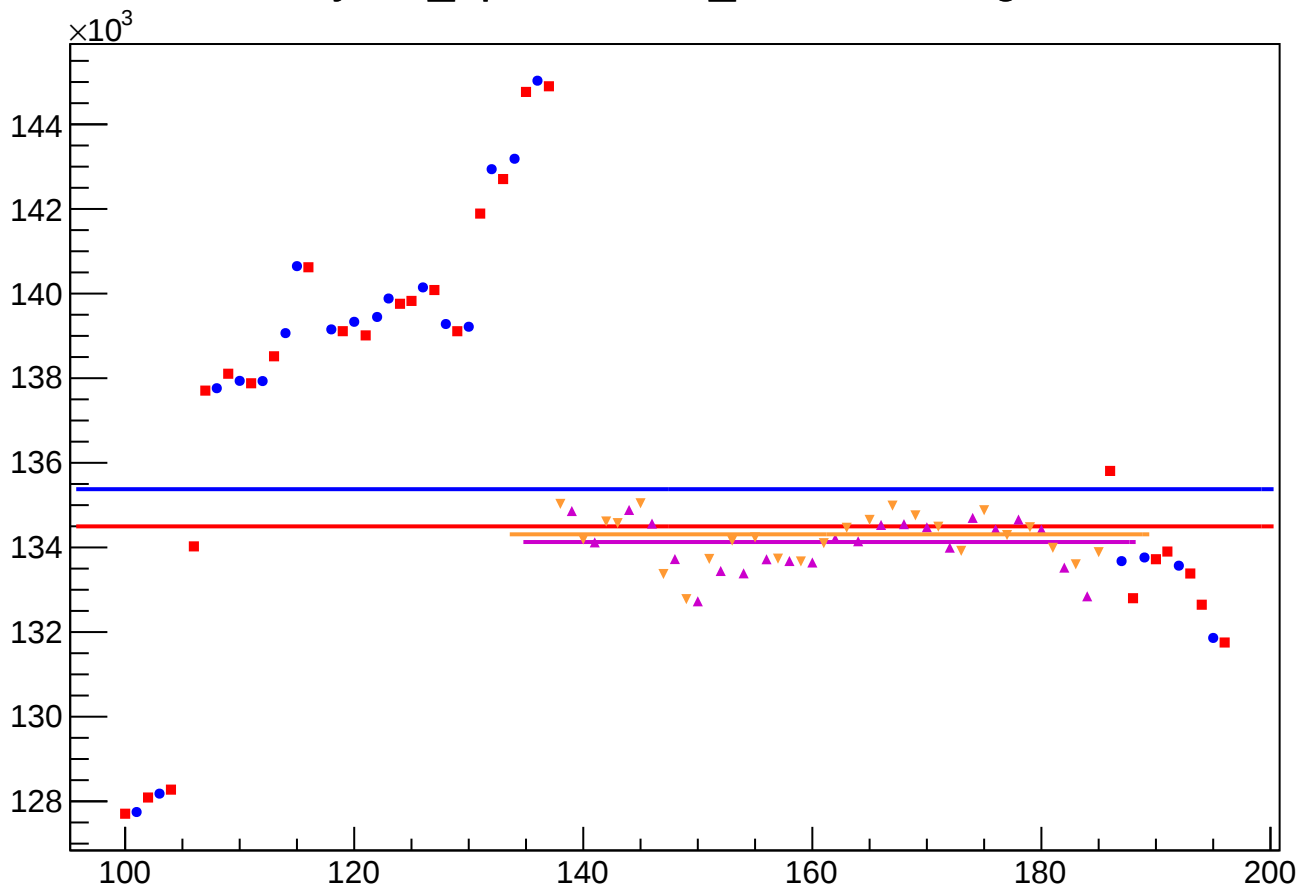
Left In: 268.344+/-0.047 χ^2/NDF :1077364.0/22

+ sign 248.321+/-0.035 χ^2/NDF : 3129964.4/45

All: 245.637+/-0.024 χ^2/NDF : 6681446.2/94

- sign 243.149+/-0.034 χ^2/NDF : 3540067.0/48

yield_bpm0l03WS_mean vs Slug



Right In: 135376.977 $\pm$ 0.141 χ^2 /NDF: 1657523533.8/20

Left Out: 134310.250 $\pm$ 0.139 χ^2 /NDF: 15518632.9/24

Right Out: 134498.036 $\pm$ 0.128 χ^2 /NDF: 1242263068.9/25

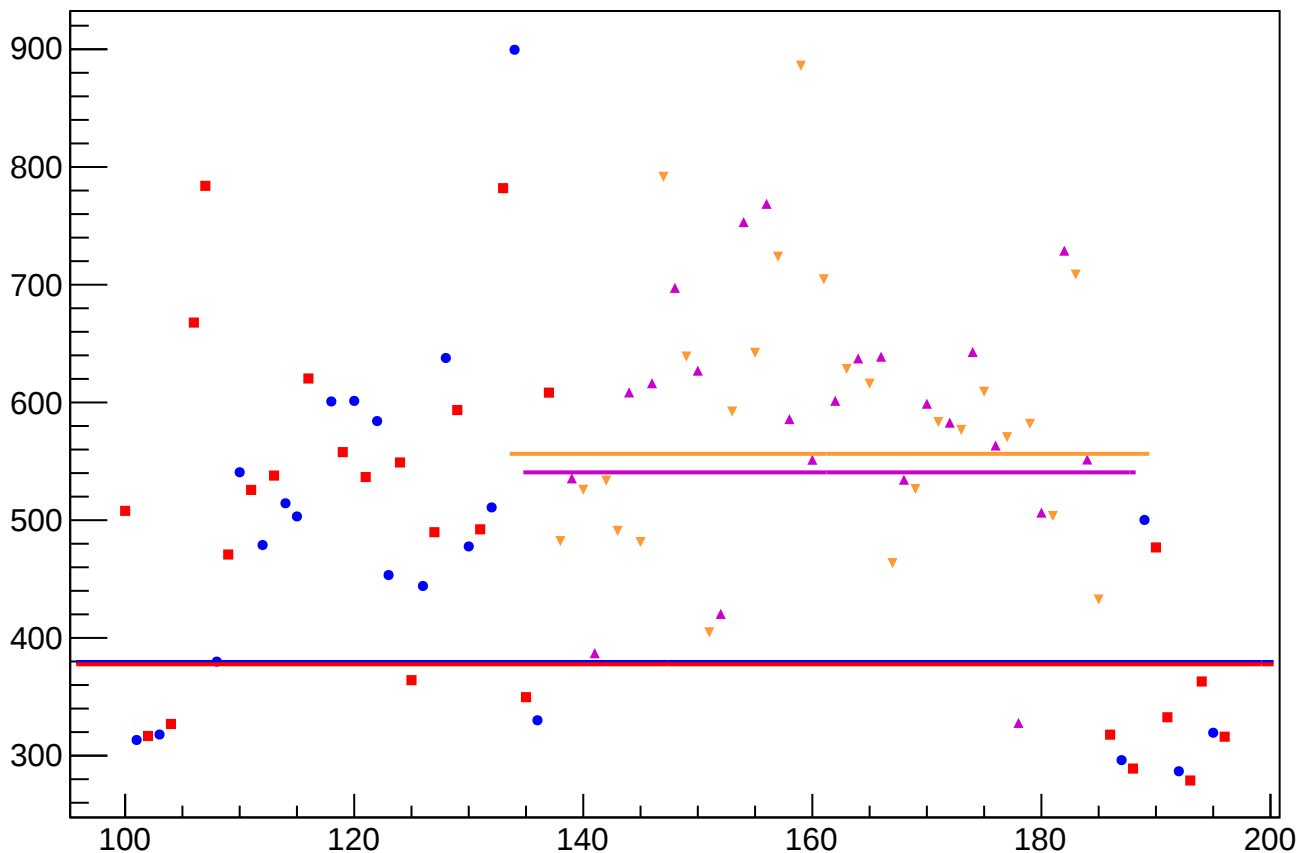
Left In: 134128.172 $\pm$ 0.142 χ^2 /NDF: 15533736.2/22

+ sign 134835.977 $\pm$ 0.099 χ^2 /NDF: 1702254203.9

All: 134574.639 $\pm$ 0.068 χ^2 /NDF: 297731272

- sign 134332.613 $\pm$ 0.095 χ^2 /NDF: 1261547465.6

yield_bpm0l03WS_rms vs Slug



Right In: 379.549 $\pm$ 0.099 χ^2 /NDF: 1123923.6/20

Left Out: 556.381 $\pm$ 0.098 χ^2 /NDF: 1002064.0/24

Right Out: 377.600 $\pm$ 0.090 χ^2 /NDF: 1540132.5/25

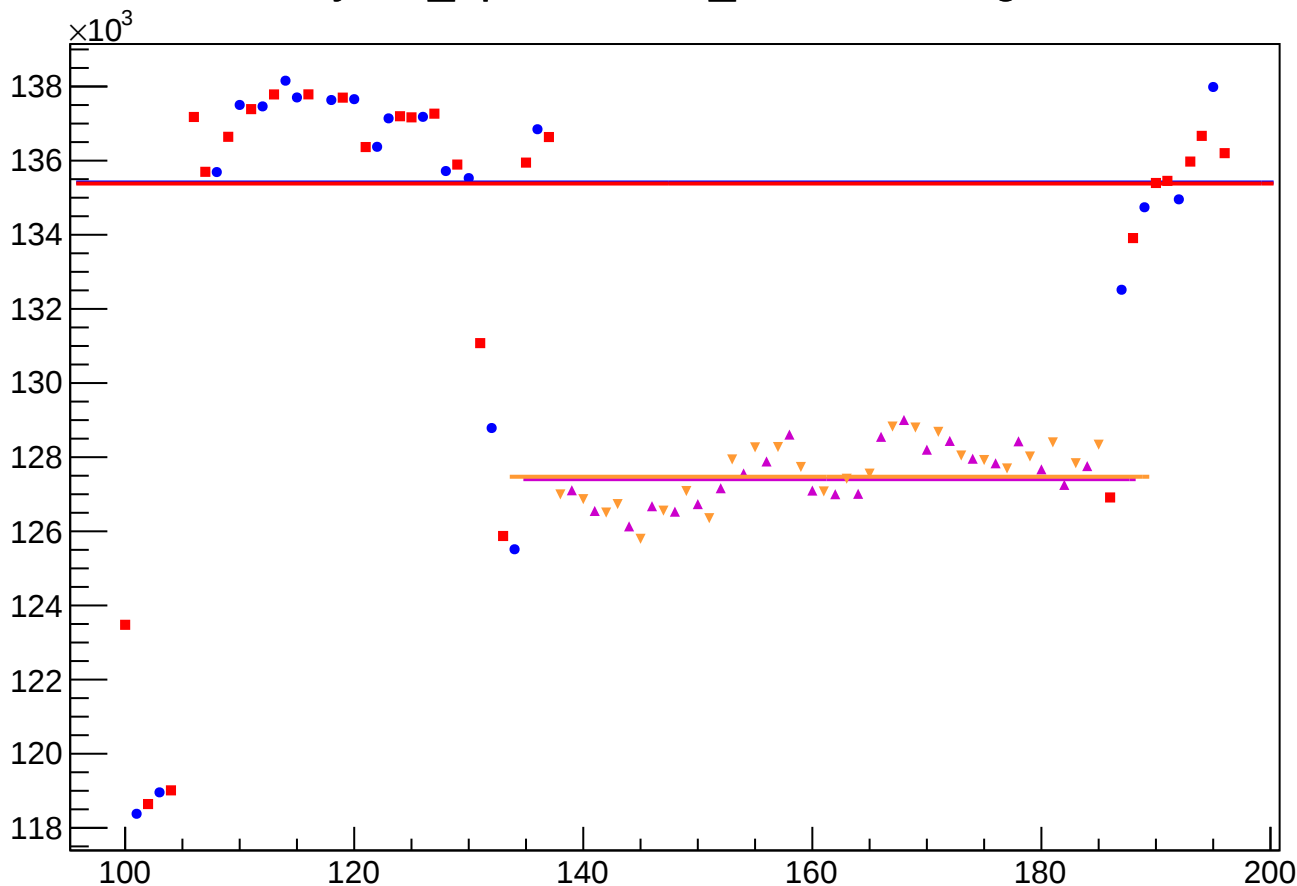
Left In: 540.607 $\pm$ 0.100 χ^2 /NDF: 1409015.2/22

+ sign 469.231 $\pm$ 0.070 χ^2 /NDF: 3731481.2/45

All: 459.509 $\pm$ 0.048 χ^2 /NDF: 8175037.7/94

- sign 450.506 $\pm$ 0.067 χ^2 /NDF: 4406161.8/48

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: 135382.145 ± 0.059 $\chi^2/\text{NDF}: 5075243551.3/25$

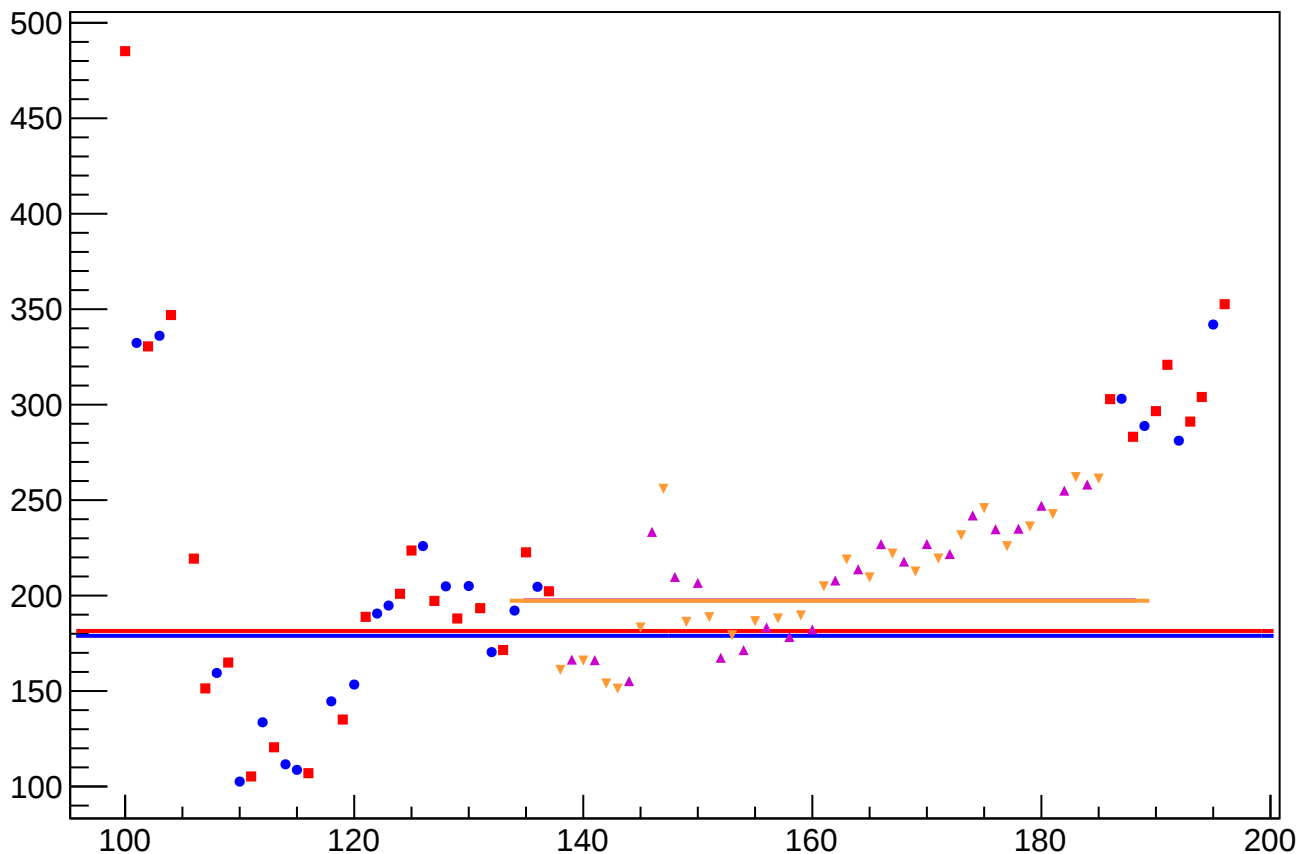
Left In: 127406.911 ± 0.048 $\chi^2/\text{NDF}: 269927988.0/22$

+ sign 130210.113 ± 0.038 $\chi^2/\text{NDF}: 14845122431.6/24$

All: 130409.177 ± 0.027 $\chi^2/\text{NDF}: 311428468.0/24$

- sign 130603.159 ± 0.037 $\chi^2/\text{NDF}: 16243326847.6/24$

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: 181.468 $\pm$ 0.042 χ^2 /NDF: 3001726.1/25

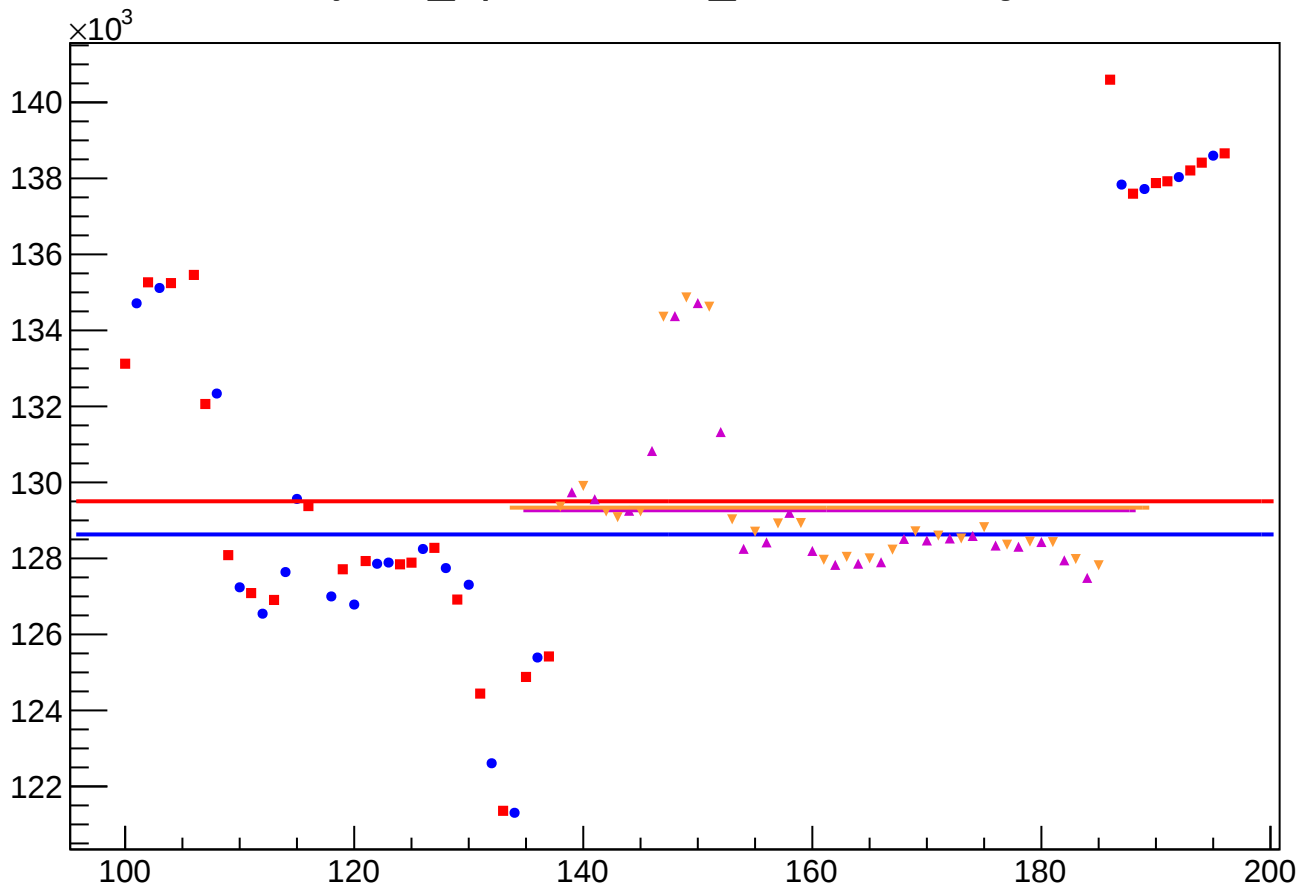
Left In: 197.471 $\pm$ 0.034 χ^2 /NDF: 791577.5/22

+ sign 190.955 $\pm$ 0.027 χ^2 /NDF: 3078133.7/45

All: 191.007 $\pm$ 0.019 χ^2 /NDF: 6959203.5/94

- sign 191.058 $\pm$ 0.026 χ^2 /NDF: 3881062.4/48

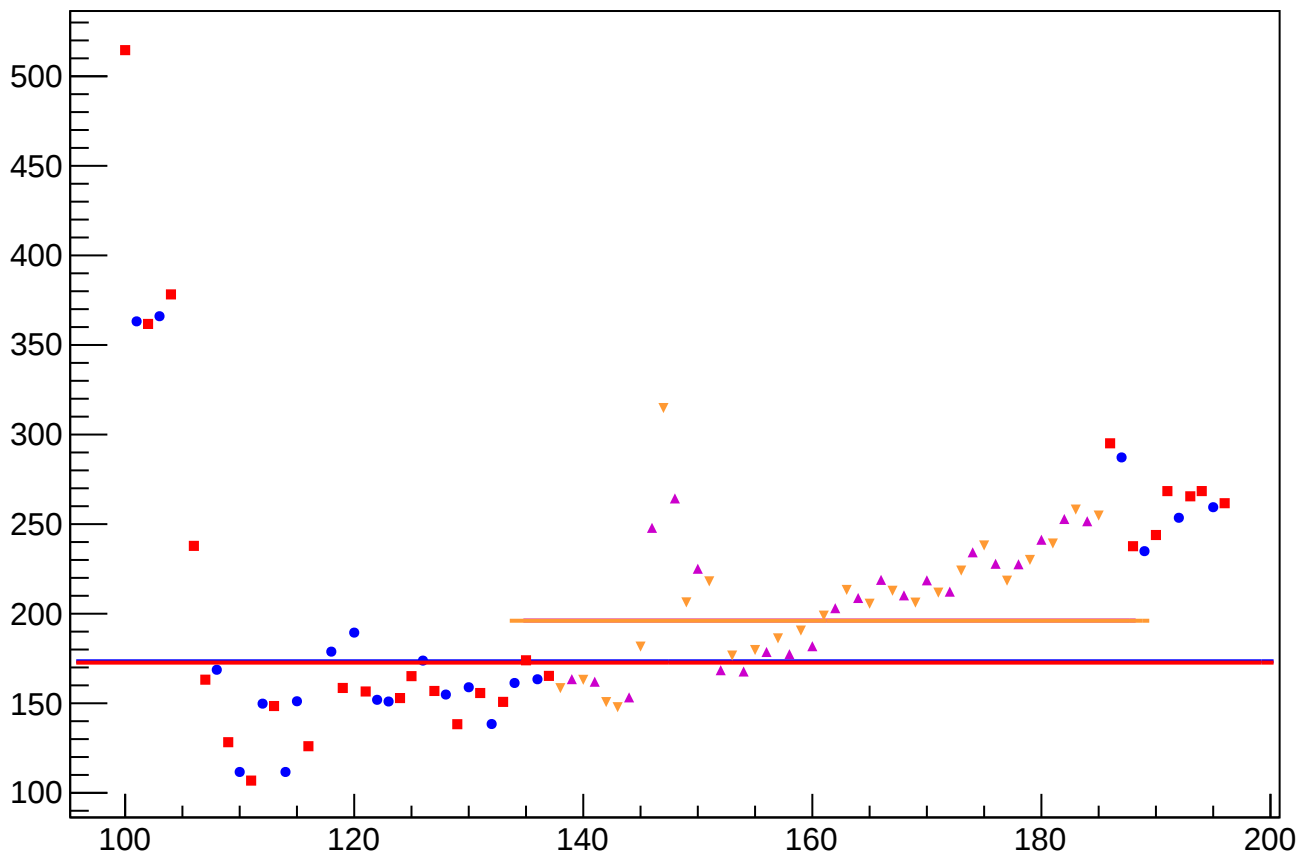
yield_bpm0l05WS_mean vs Slug



Right In: 128630.777 ± 0.062 $\chi^2/\text{NDF}: 5582733697.9/20$
 Left Out: 129335.946 ± 0.047 $\chi^2/\text{NDF}: 1450933621.0/24$
 Right Out: 129503.026 ± 0.055 $\chi^2/\text{NDF}: 8045945224.5/25$
 Left In: 129266.909 ± 0.048 $\chi^2/\text{NDF}: 1213762773.1/22$

+ sign 129078.524 ± 0.037 $\chi^2/\text{NDF}: 7116805872.6/24$
 All: 129227.041 ± 0.026 $\chi^2/\text{NDF}: 164179297.1/24$
 - sign 129368.535 ± 0.036 $\chi^2/\text{NDF}: 9270056000.1/24$

yield_bpm0l05WS_rms vs Slug



Right In: 173.446 $\pm$ 0.044 χ^2 /NDF: 1489906.6/20

Left Out: 196.077 $\pm$ 0.033 χ^2 /NDF: 975710.9/24

Right Out: 172.692 $\pm$ 0.039 χ^2 /NDF: 2251069.8/25

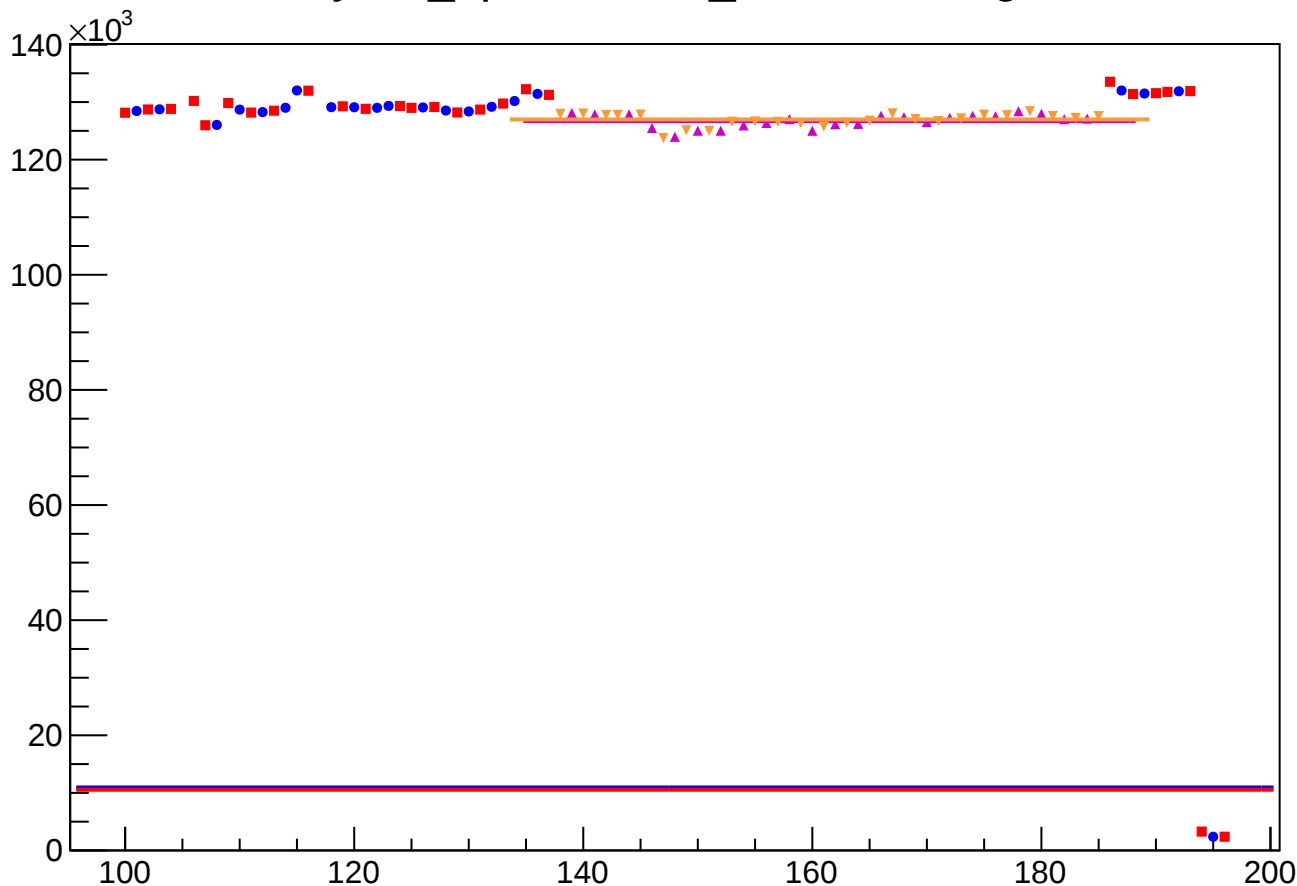
Left In: 196.186 $\pm$ 0.034 χ^2 /NDF: 898058.0/22

+ sign 187.816 $\pm$ 0.026 χ^2 /NDF: 2636877.7/45

All: 186.924 $\pm$ 0.018 χ^2 /NDF: 5993155.9/94

- sign 186.074 $\pm$ 0.026 χ^2 /NDF: 3354036.6/48

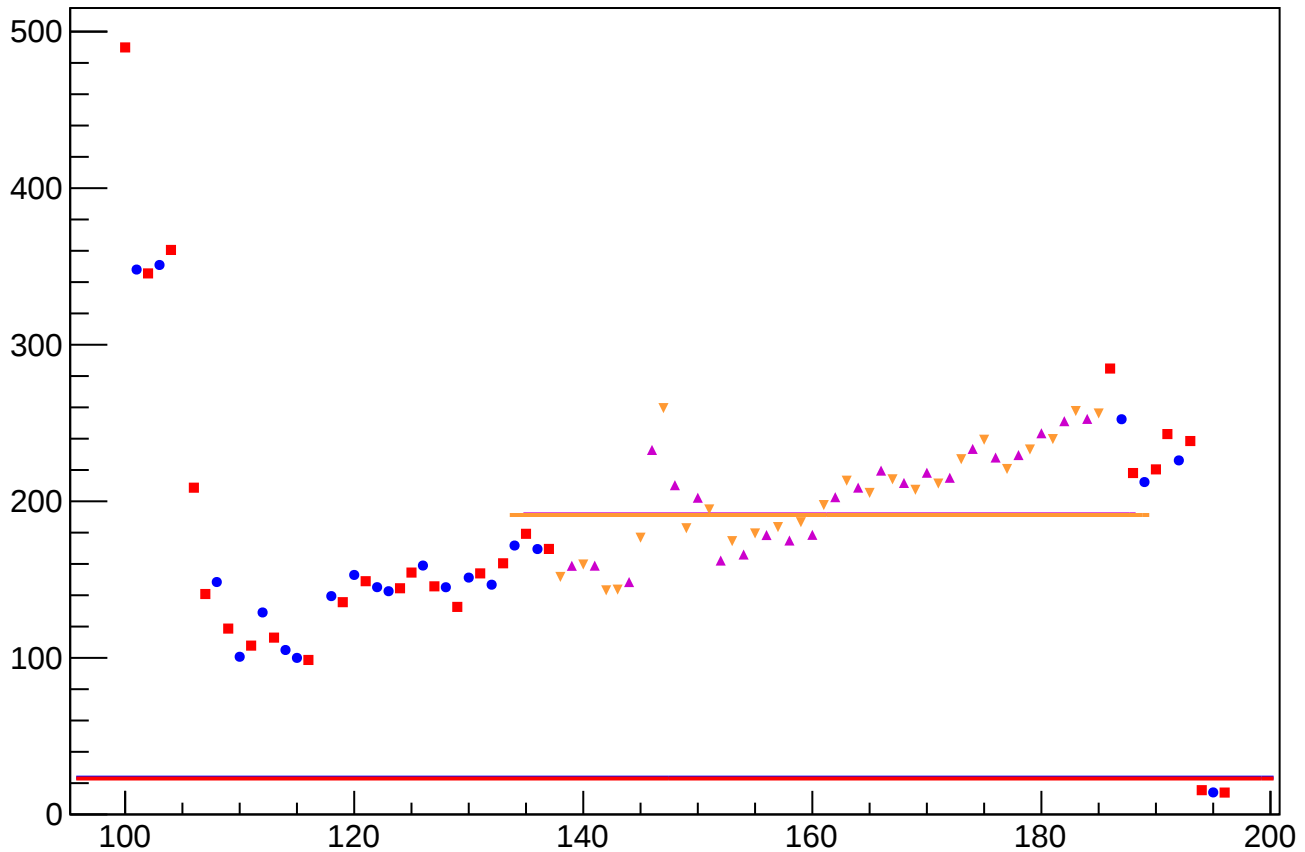
yield_bpm0l06WS_mean vs Slug



Right In: 10940.281 ± 0.015 $\chi^2/\text{NDF}: 4599725607183.9/20$
 Left Out: 126981.724 ± 0.046 $\chi^2/\text{NDF}: 530573115.8/24$
 Right Out: 10547.433 ± 0.013 $\chi^2/\text{NDF}: 5500568456509.4/25$
 Left In: 126682.659 ± 0.047 $\chi^2/\text{NDF}: 660415880.0/22$

+ sign 22091.922 ± 0.014 $\chi^2/\text{NDF}: 1047368780885$
 All: 20326.189 ± 0.009 $\chi^2/\text{NDF}: 2167053878$
 - sign 18915.396 ± 0.013 $\chi^2/\text{NDF}: 1116868678017$

yield_bpm0l06WS_rms vs Slug



Right In: 23.515 $\pm$ 0.010 χ^2 /NDF: 12591803.5/20

Left Out: 191.263 $\pm$ 0.032 χ^2 /NDF: 992566.2/24

Right Out: 22.957 $\pm$ 0.009 χ^2 /NDF: 14833700.0/25

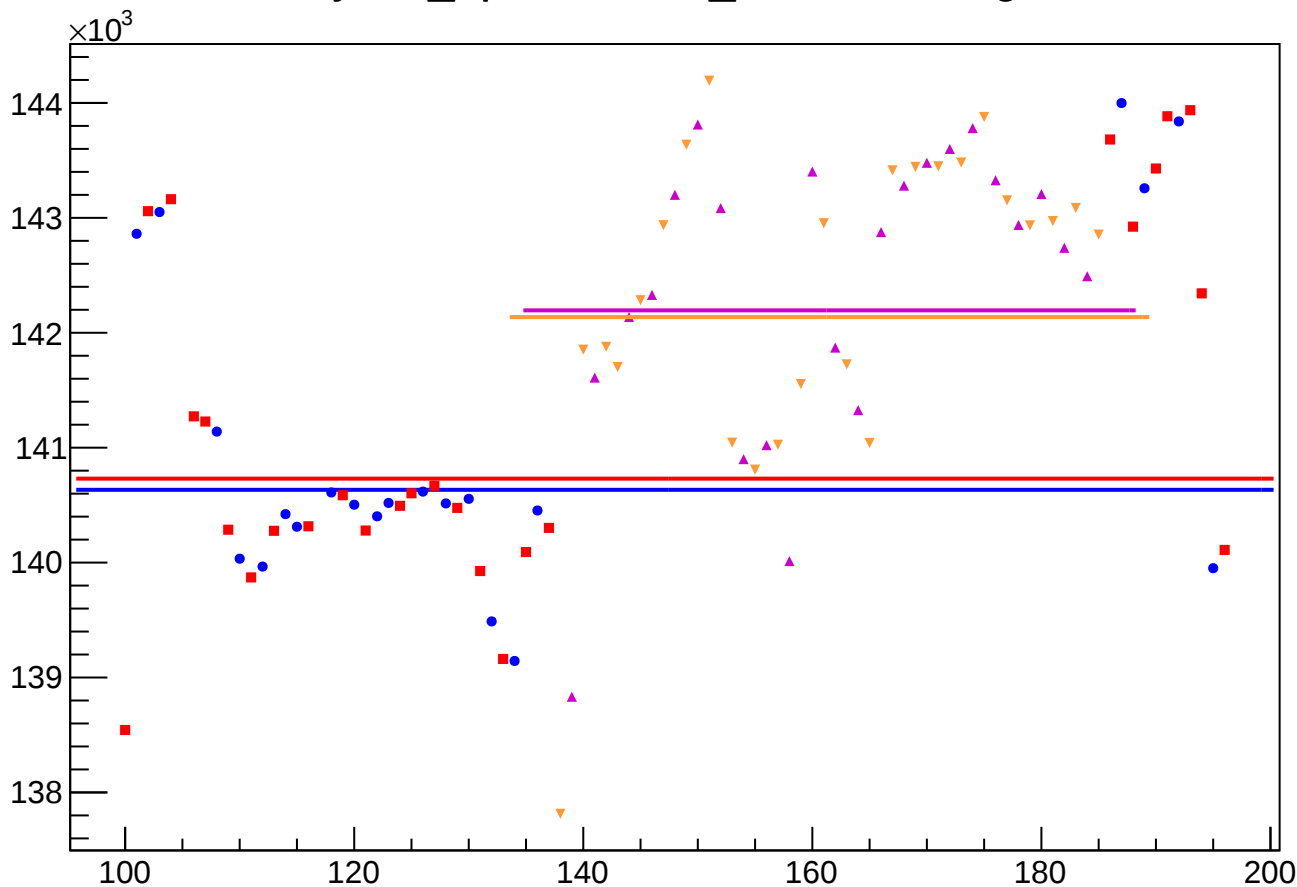
Left In: 191.683 $\pm$ 0.033 χ^2 /NDF: 864384.9/22

+ sign 39.636 $\pm$ 0.010 χ^2 /NDF: 38132082.0/45

All: 37.122 $\pm$ 0.007 χ^2 /NDF: 77869338.0/94

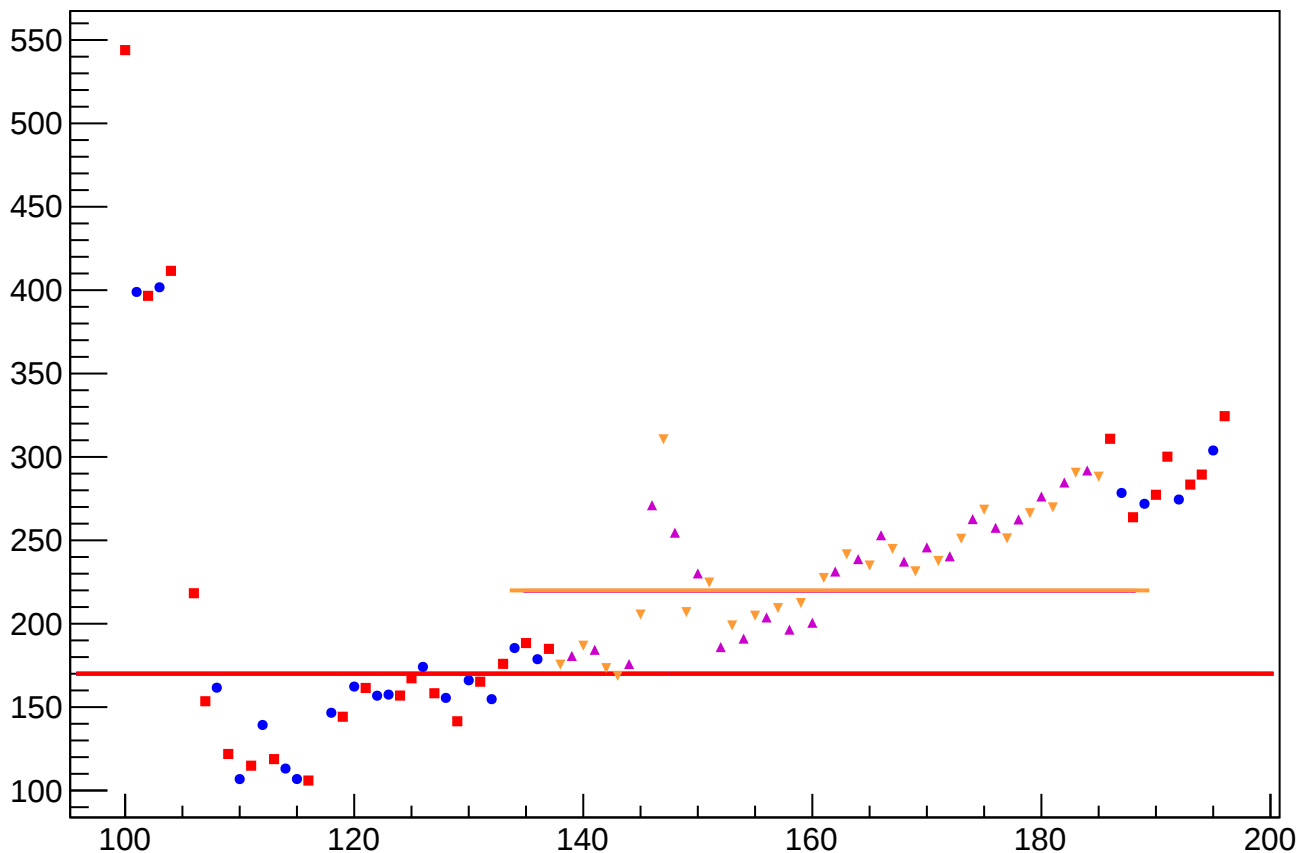
- sign 35.114 $\pm$ 0.009 χ^2 /NDF: 39623131.5/48

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: 140730.748 $\pm$ 0.055 χ^2/NDF : 409193271.5/25
 Left In: 142195.020 $\pm$ 0.054 χ^2/NDF : 644030906.9/22

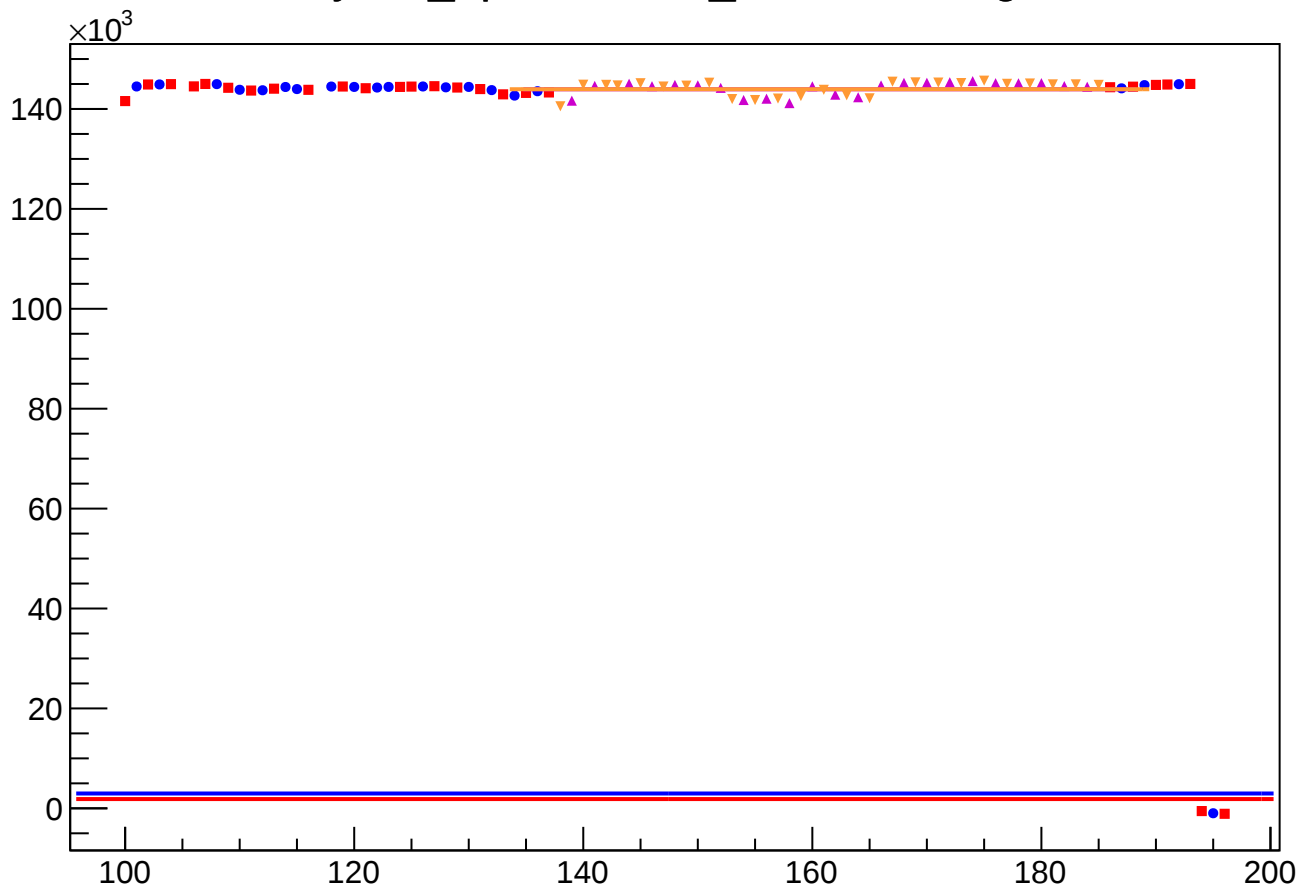
yield_bpm0l07WS_rms vs Slug



Right In: 170.143 ± 0.043 χ^2/NDF : 2005410.0/20
 Left Out: 219.969 ± 0.037 χ^2/NDF : 866616.3/24
 Right Out: 169.933 ± 0.039 χ^2/NDF : 2987946.9/25
 Left In: 219.685 ± 0.038 χ^2/NDF : 812745.1/22

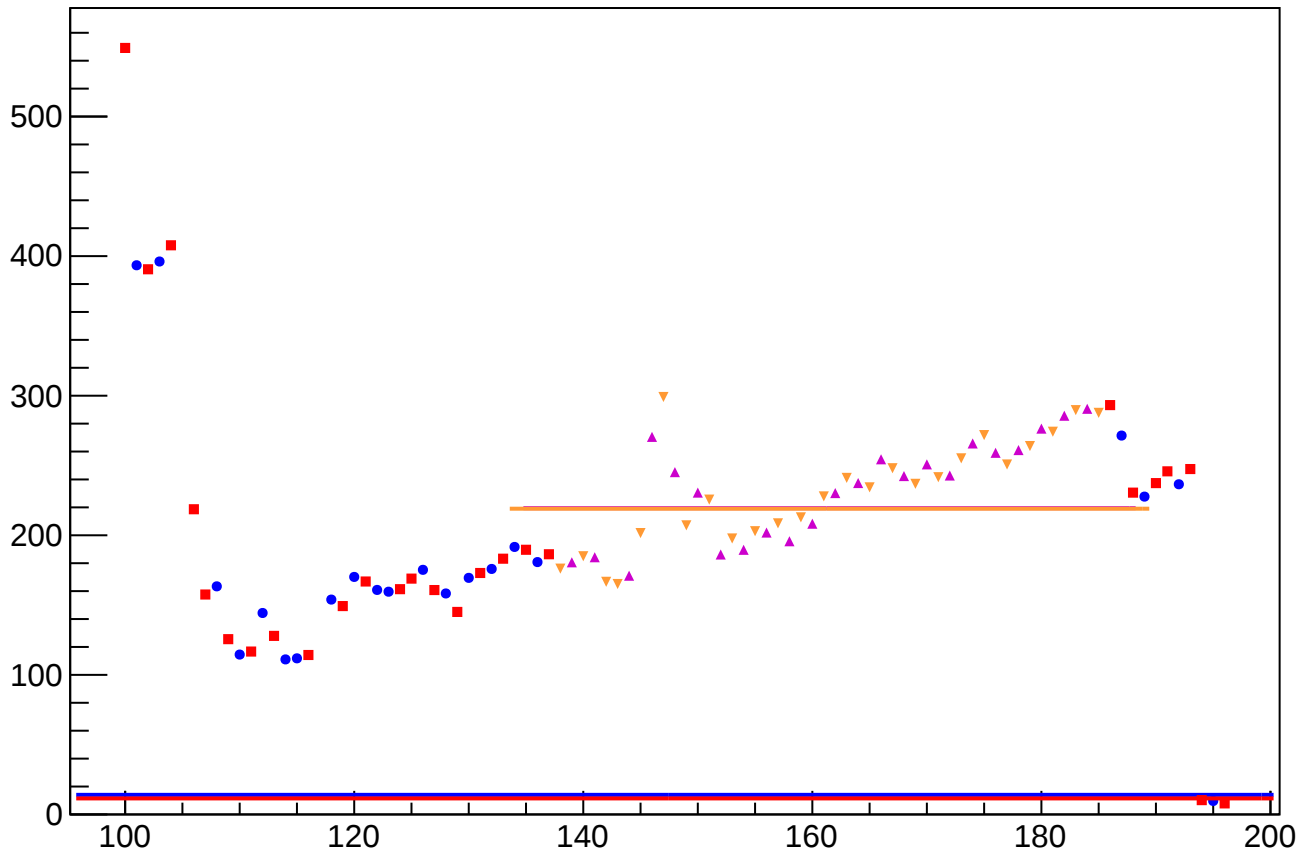
+ sign 198.793 ± 0.028 χ^2/NDF : 3642783.0/45
 All: 197.047 ± 0.020 χ^2/NDF : 8283863.7/94
 - sign 195.401 ± 0.027 χ^2/NDF : 4633561.2/48

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: 1854.648 $\pm$ 0.008 χ^2 /NDF: 6274724066663.9/25
 Left In: 143938.288 $\pm$ 0.054 χ^2 /NDF: 719814685.6/22

yield_bpm0l08WS_rms vs Slug



Right In: 14.049 $\pm$ 0.007 χ^2 /NDF: 14000171.7/20

Left Out: 219.050 $\pm$ 0.037 χ^2 /NDF: 934417.6/24

Right Out: 11.487 $\pm$ 0.006 χ^2 /NDF: 16830292.4/25

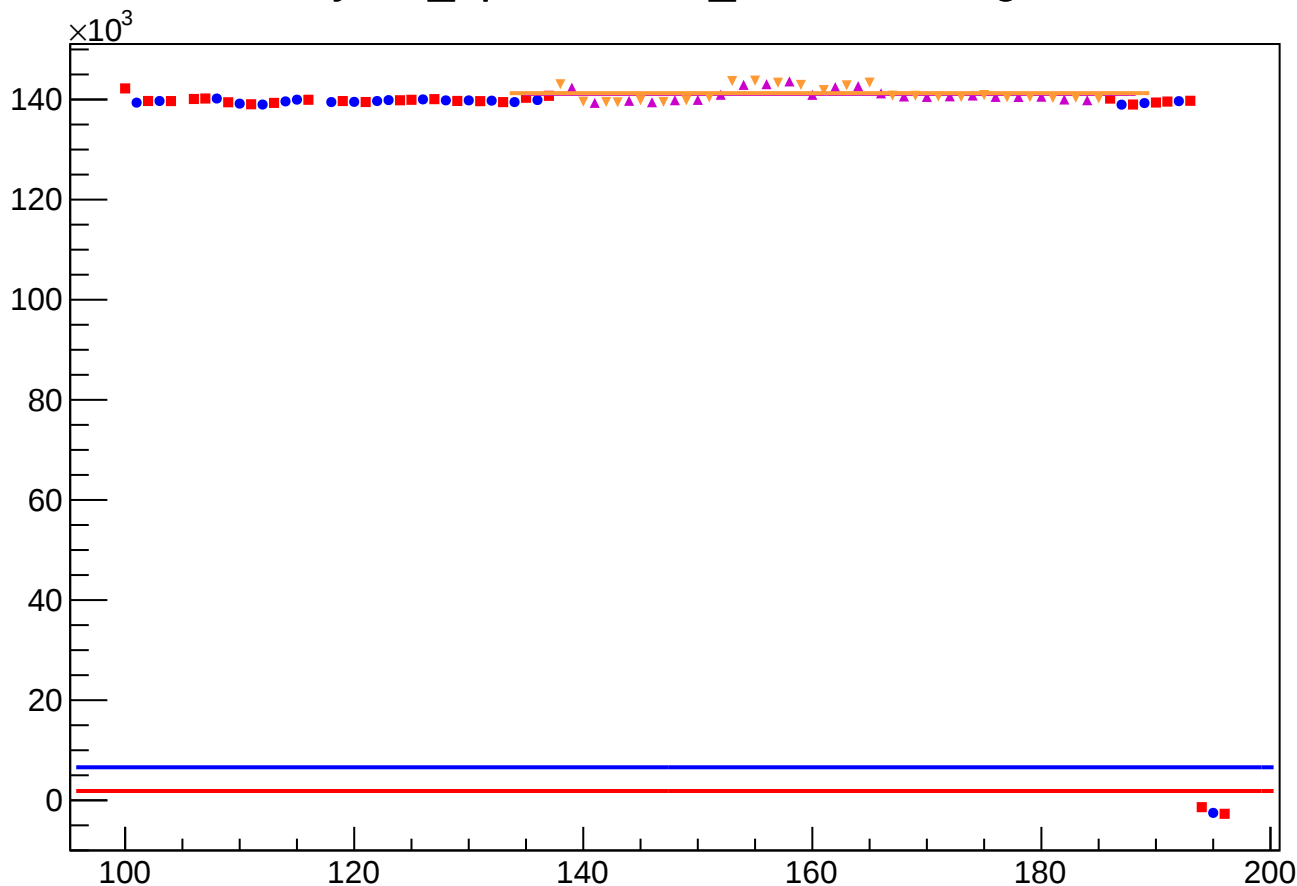
Left In: 219.426 $\pm$ 0.038 χ^2 /NDF: 850089.5/22

+ sign 21.914 $\pm$ 0.007 χ^2 /NDF: 44670517.1/45

All: 18.232 $\pm$ 0.004 χ^2 /NDF: 91950644.7/94

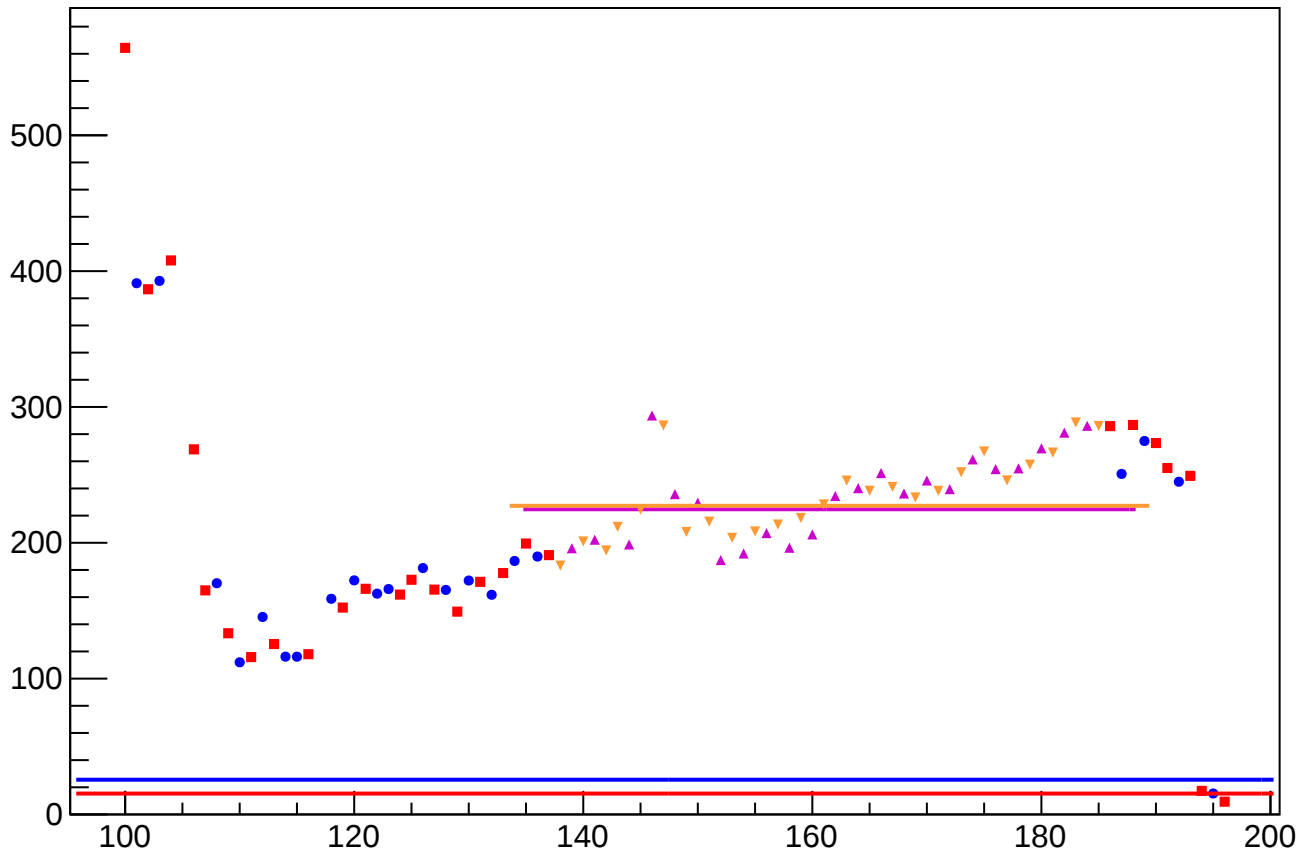
- sign 16.008 $\pm$ 0.006 χ^2 /NDF: 46863129.6/48

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: 1860.040 $\pm$ 0.010 χ^2 /NDF: 5608767357259.5/25
 Left In: 141119.484 $\pm$ 0.055 χ^2 /NDF: 565312728.1/22
 + sign 17986.633 $\pm$ 0.016 χ^2 /NDF: 1030595132618
 All: 10047.724 $\pm$ 0.009 χ^2 /NDF: 2249303580
 - sign 6662.234 $\pm$ 0.010 χ^2 /NDF: 11818412610796

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: 15.377+/-0.007 χ^2/NDF : 16413102.3/25

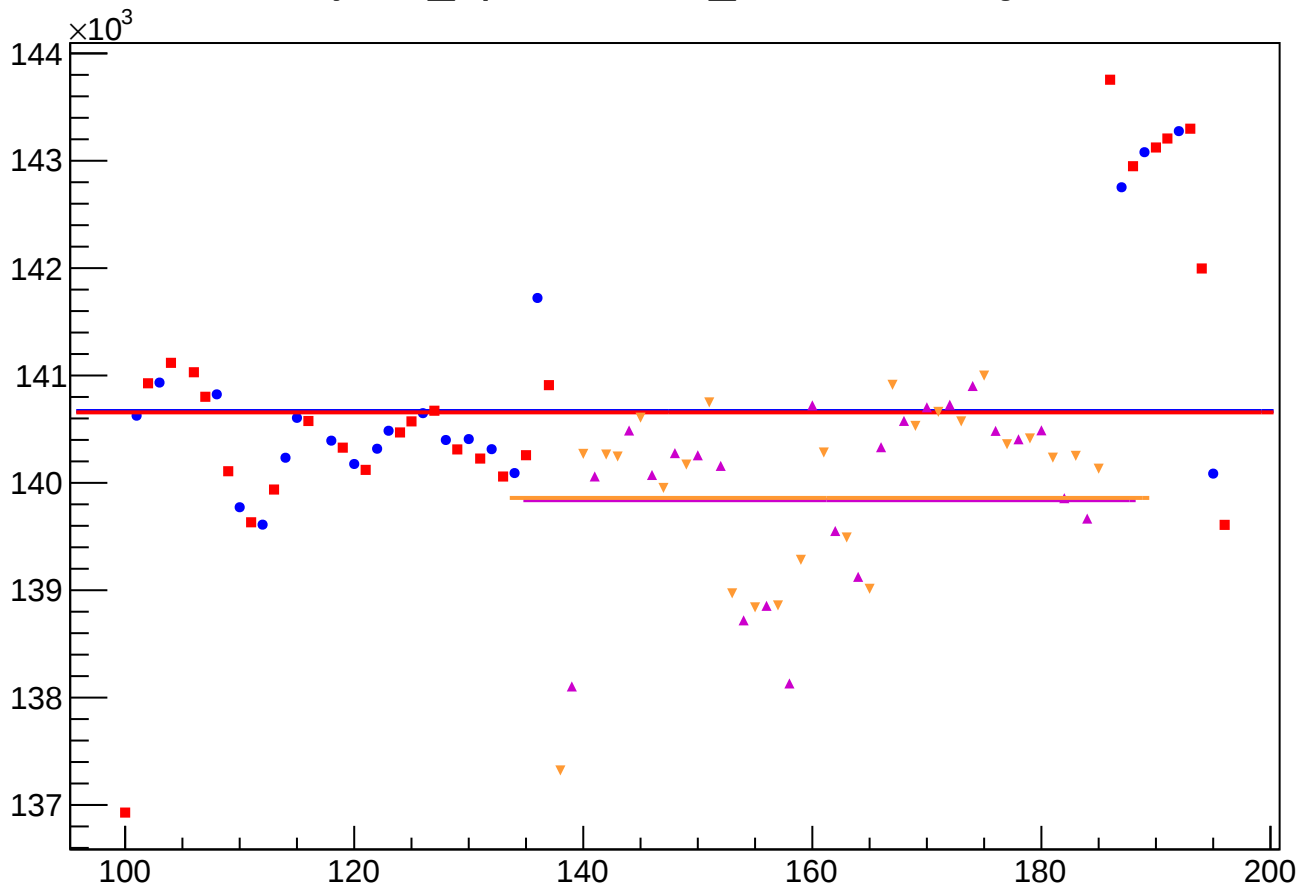
Left In: 224.686+/-0.039 χ^2/NDF : 578366.0/22

+ sign 42.626+/-0.011 χ^2/NDF : 38988299.3/45

All: 28.583+/-0.006 χ^2/NDF : 86340346.5/94

- sign 22.595+/-0.007 χ^2/NDF : 45044905.3/48

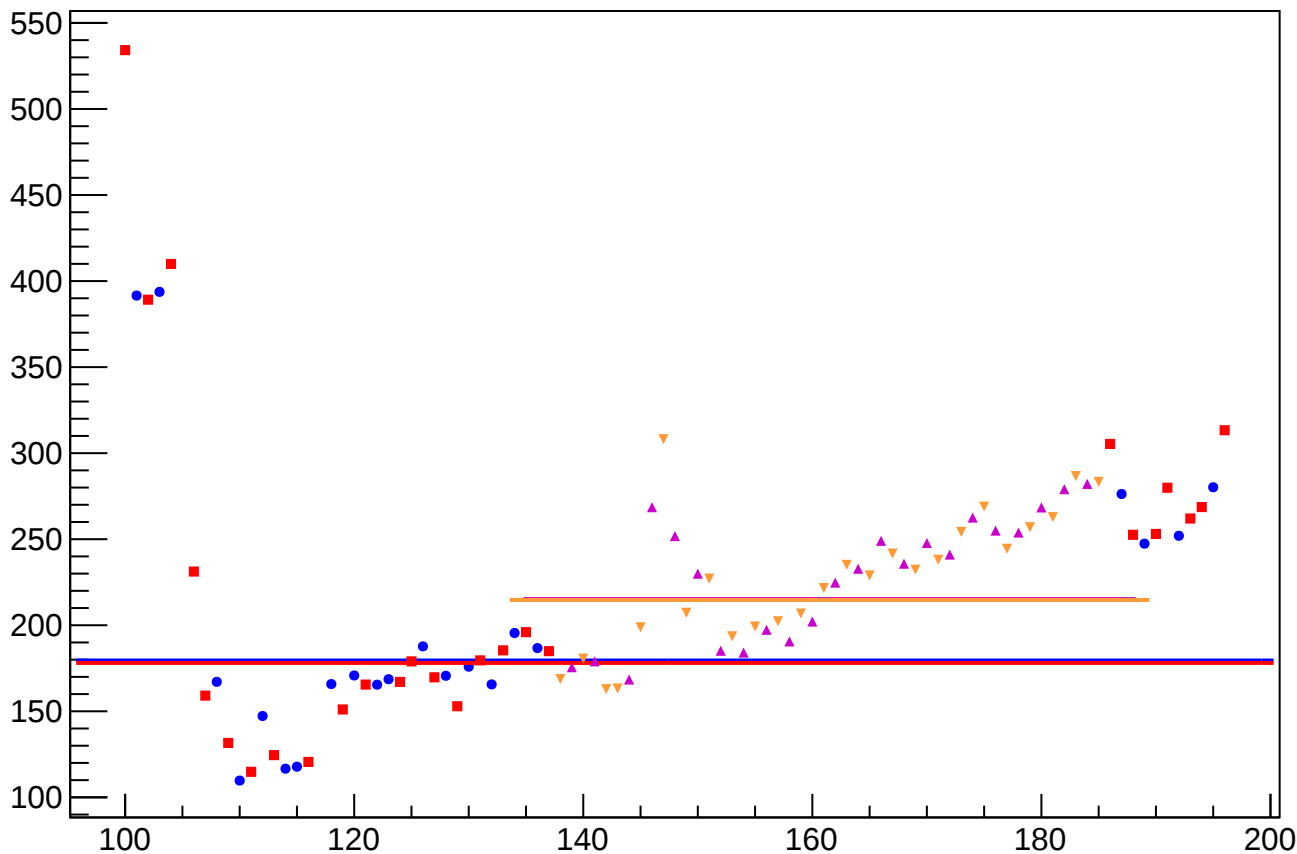
yield_bpm0l10WS_mean vs Slug



Right In: 140669.105 ± 0.064 $\chi^2/\text{NDF}: 237798921.6/20$
 Left Out: 139859.696 ± 0.051 $\chi^2/\text{NDF}: 330118281.5/24$
 Right Out: 140656.543 ± 0.057 $\chi^2/\text{NDF}: 343242808.4/25$
 Left In: 139838.724 ± 0.053 $\chi^2/\text{NDF}: 279573689.3/22$

+ sign 140177.484 ± 0.040 $\chi^2/\text{NDF}: 666434814.6/4$
 All: 140197.011 ± 0.028 $\chi^2/\text{NDF}: 14002601$
 - sign 140215.523 ± 0.039 $\chi^2/\text{NDF}: 733356888.4/4$

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: 178.113 $\pm$ 0.040 χ^2 /NDF: 2467567.3/25

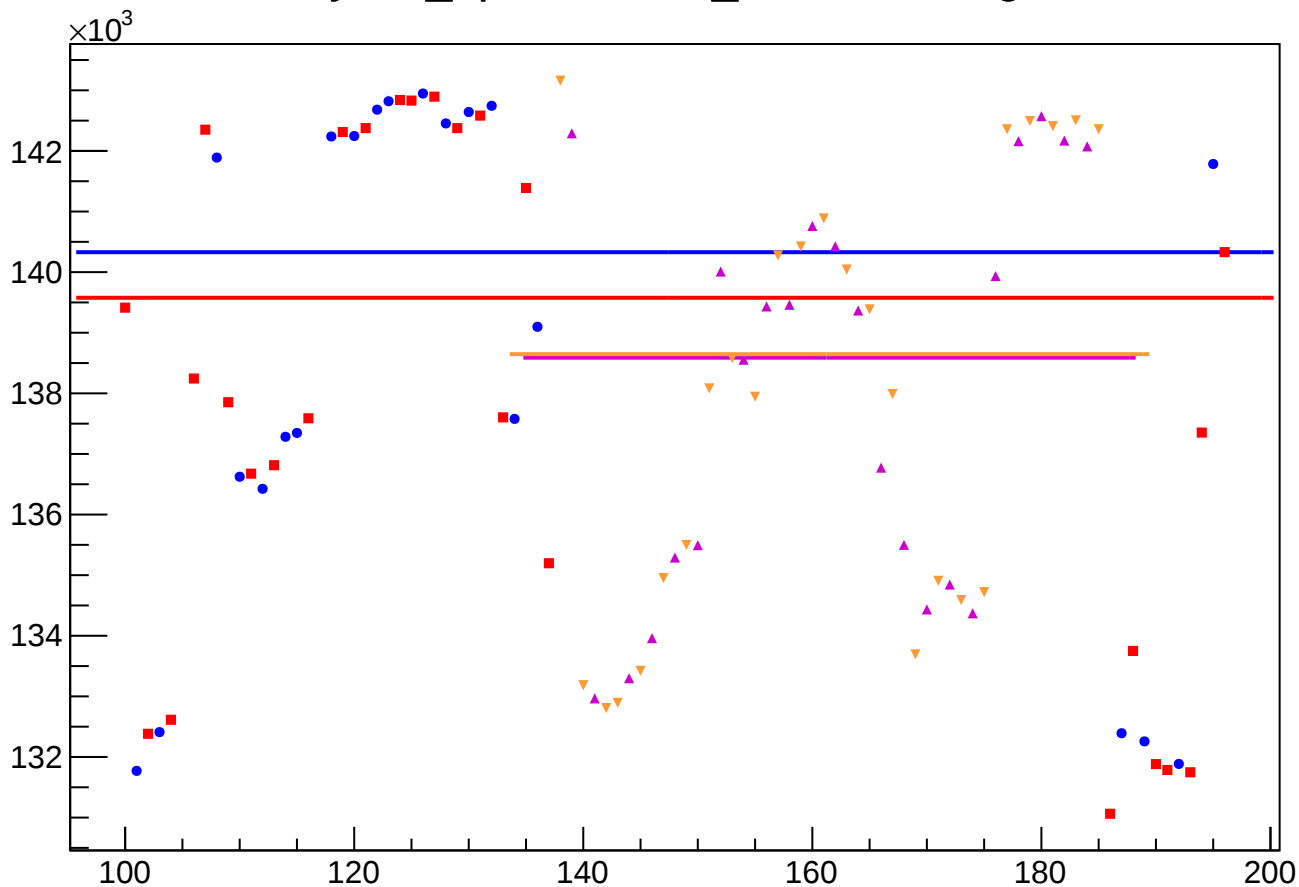
Left In: 215.222 $\pm$ 0.037 χ^2 /NDF:881945.0/22

+ sign 200.878 $\pm$ 0.028 χ^2 /NDF: 2978800.1/45

All: 199.464 $\pm$ 0.020 χ^2 /NDF: 6788413.6/94

- sign 198.124 $\pm$ 0.027 χ^2 /NDF: 3804705.5/48

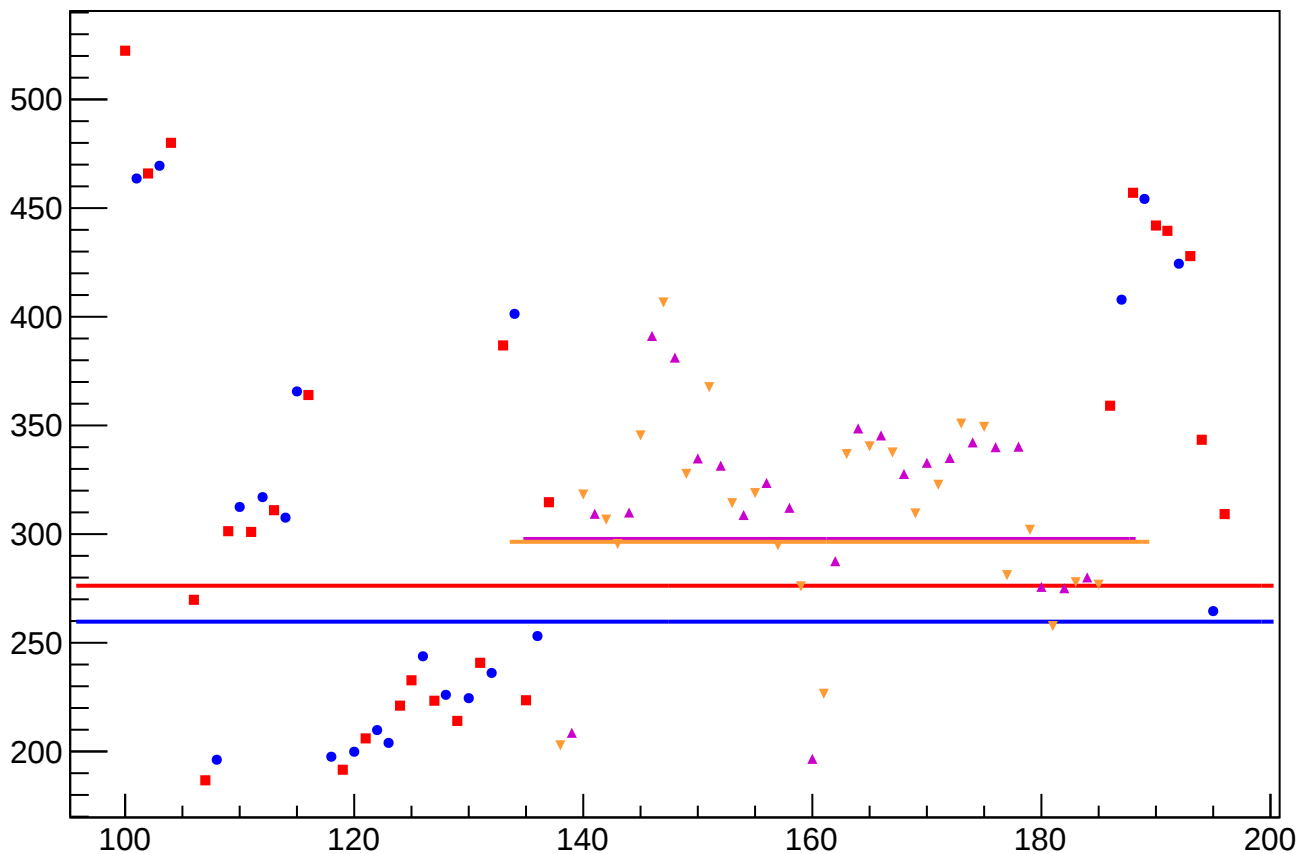
yield_bpm0r03WS_mean vs Slug



Right In: 140328.958 ± 0.091 $\chi^2/\text{NDF}: 1432549654.8/20$
 Left Out: 138646.366 ± 0.071 $\chi^2/\text{NDF}: 2548637600.4/24$
 Right Out: 139577.136 ± 0.088 $\chi^2/\text{NDF}: 1769242906.6/25$
 Left In: 138588.711 ± 0.074 $\chi^2/\text{NDF}: 1948065195.1/22$

+ sign 139277.336 ± 0.056 $\chi^2/\text{NDF}: 4192684220.1$
 All: 139138.359 ± 0.040 $\chi^2/\text{NDF}: 79968353$
 - sign 138997.371 ± 0.056 $\chi^2/\text{NDF}: 3791749409.3/$

yield_bpm0r03WS_rms vs Slug



Right In: 259.721+/-0.065 χ^2/NDF : 1394084.7/20

Left Out: 296.464+/-0.050 χ^2/NDF : 893579.7/24

Right Out: 276.257+/-0.062 χ^2/NDF : 1893330.7/25

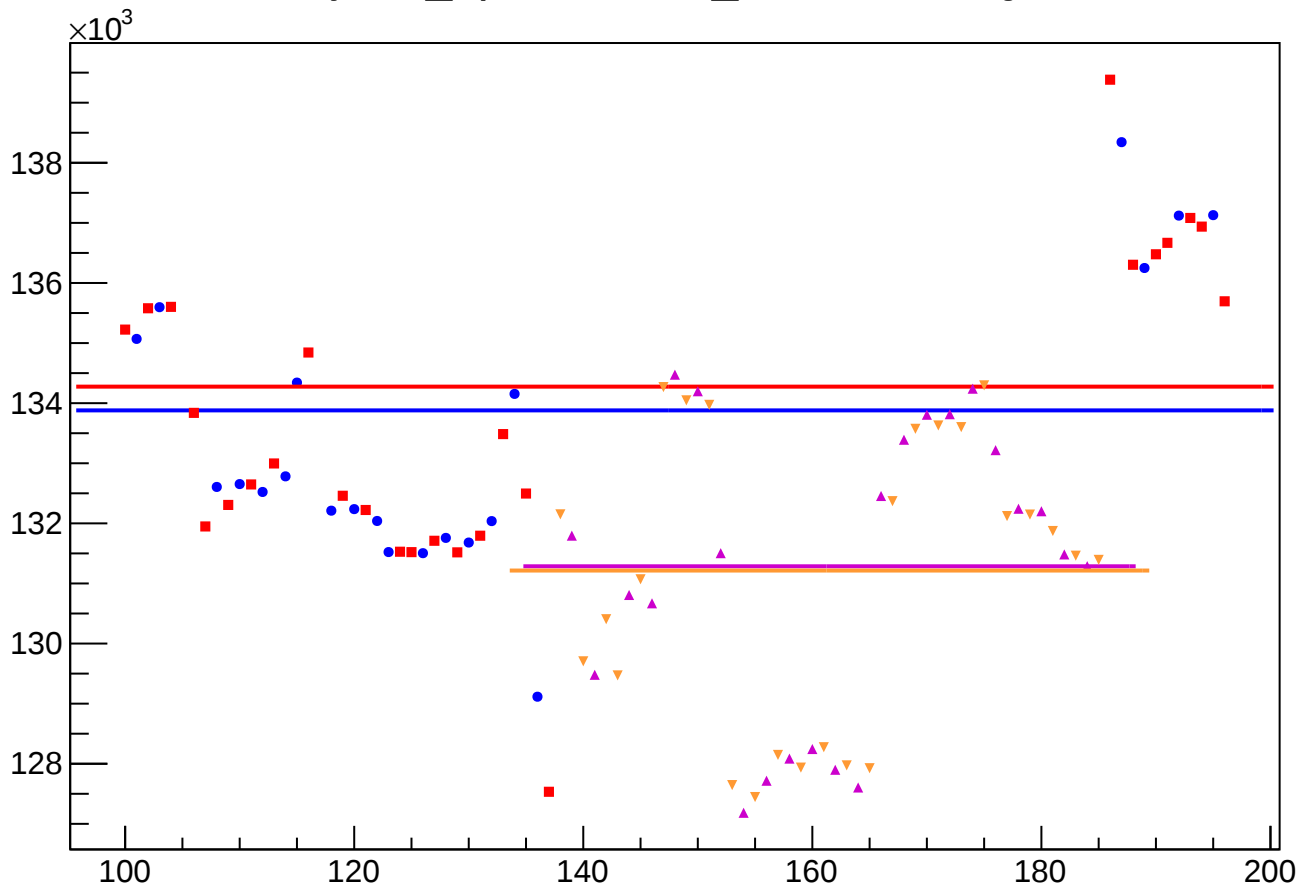
Left In: 297.774+/-0.052 χ^2/NDF : 1061489.5/22

+ sign 282.686+/-0.040 χ^2/NDF : 2489383.2/45

All: 285.760+/-0.028 χ^2/NDF : 5526893.3/94

- sign 288.878+/-0.040 χ^2/NDF : 3025374.8/48

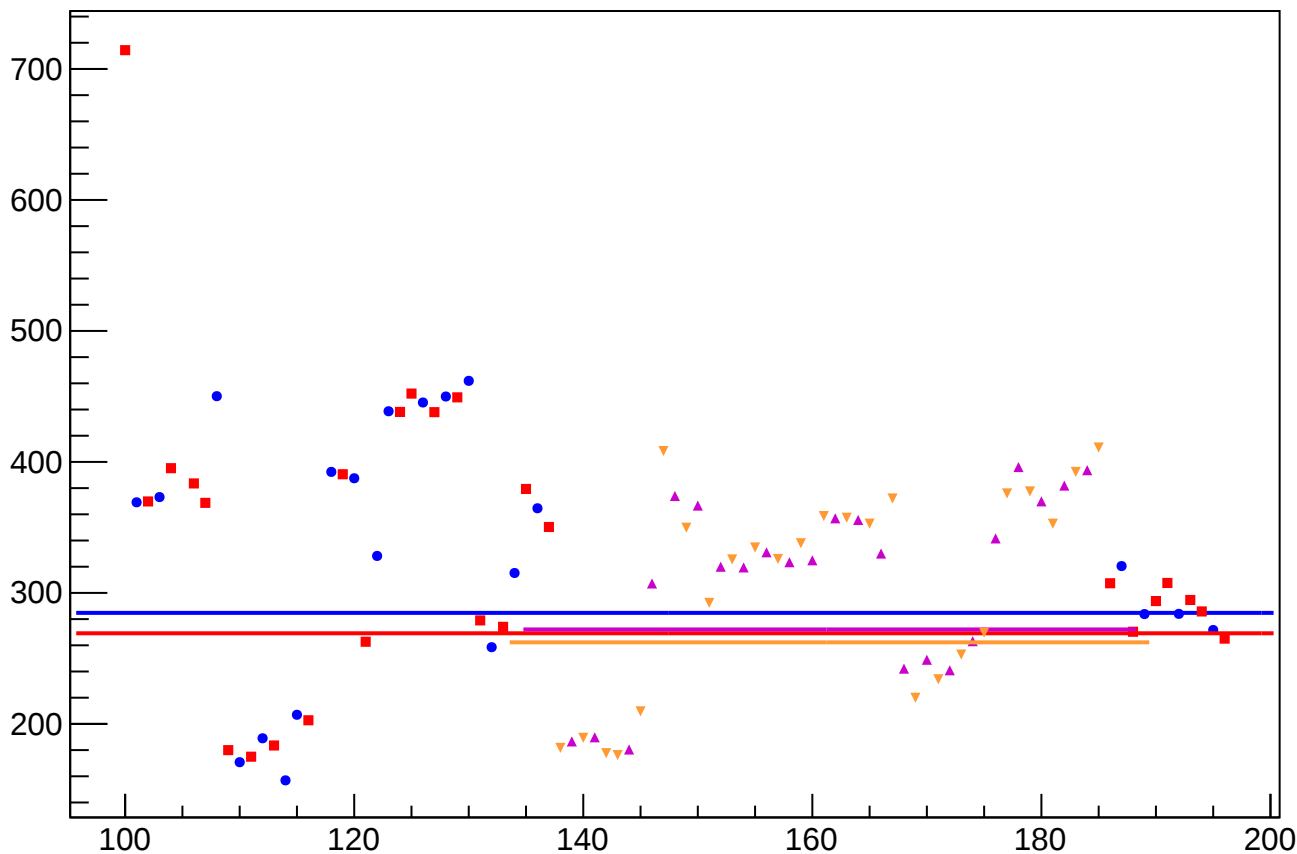
yield_bpm0r05WS_mean vs Slug



Right In: 133879.977 ± 0.100 $\chi^2/\text{NDF}: 581640092.9/20$
 Left Out: 131214.985 ± 0.064 $\chi^2/\text{NDF}: 1173424494.6/24$
 Right Out: 134275.193 ± 0.085 $\chi^2/\text{NDF}: 676486721.5/25$
 Left In: 131285.623 ± 0.068 $\chi^2/\text{NDF}: 1056232192.1/22$

+ sign 131992.506 ± 0.054 $\chi^2/\text{NDF}: 2255988026.9/26$
 All: 132231.572 ± 0.038 $\chi^2/\text{NDF}: 478057930.1/27$
 - sign 132462.606 ± 0.053 $\chi^2/\text{NDF}: 2486230581.4/28$

yield_bpm0r05WS_rms vs Slug



Right In: 284.760+/-0.071 χ^2/NDF : 1521817.3/20

Left Out: 262.260+/-0.045 χ^2/NDF : 2818169.1/24

Right Out: 269.181+/-0.060 χ^2/NDF : 1666561.8/25

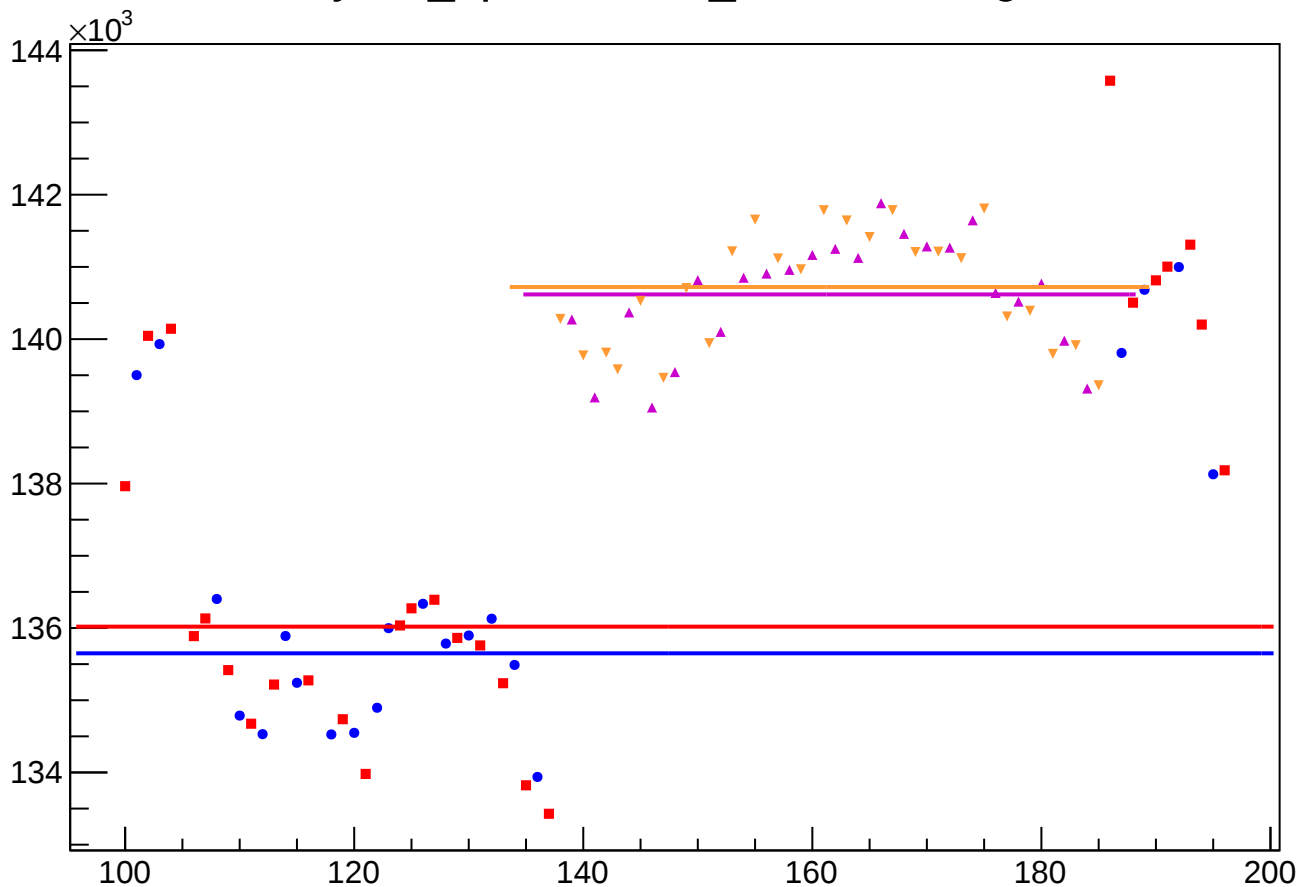
Left In: 272.115+/-0.048 χ^2/NDF : 2221925.0/22

+ sign 268.824+/-0.038 χ^2/NDF : 4411399.5/45

All: 269.910+/-0.027 χ^2/NDF : 8302920.9/94

- sign 270.960+/-0.038 χ^2/NDF : 3889938.0/48

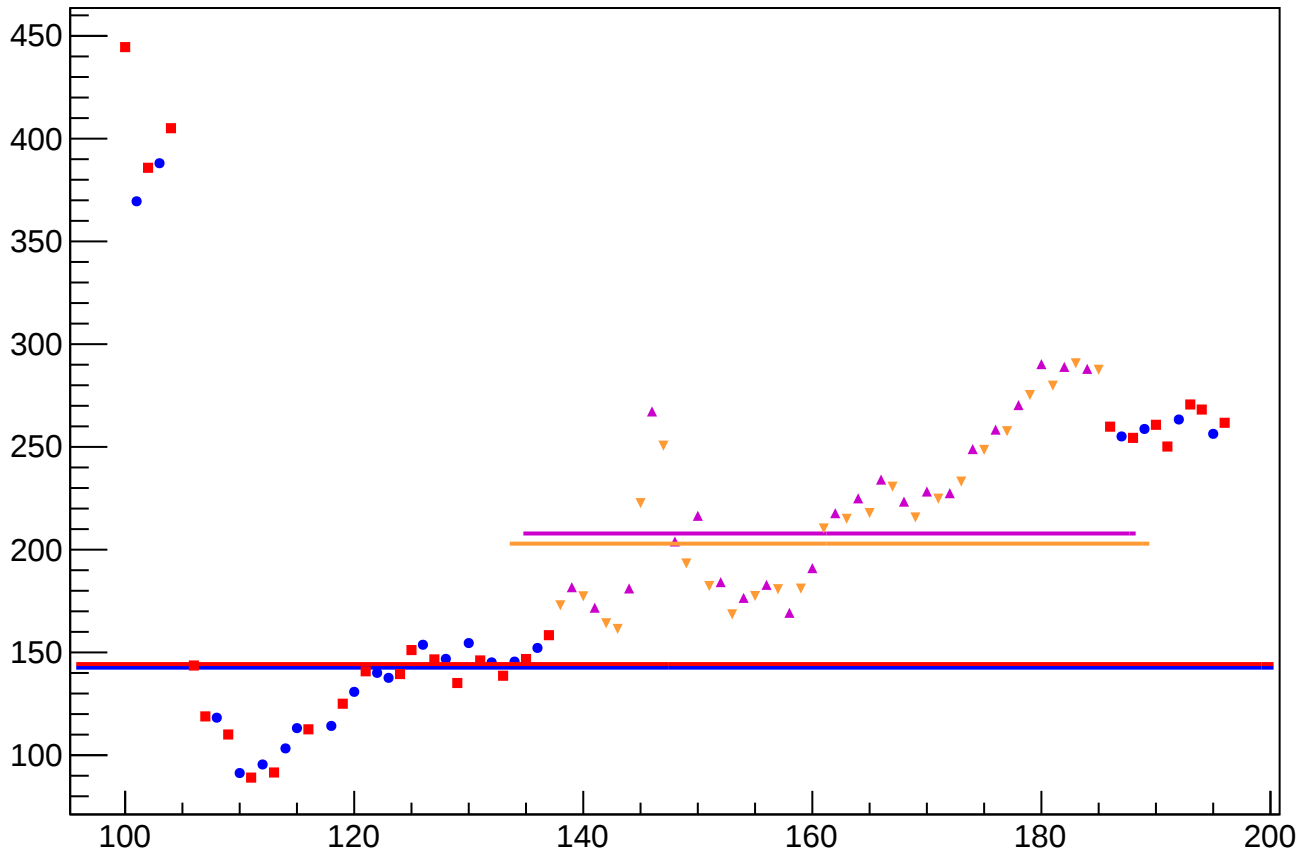
yield_bpm0i02WS_mean vs Slug



Right In: 135649.727 $\pm$ 0.052 χ^2 /NDF: 1105801444.0/20
 Left Out: 140721.823 $\pm$ 0.048 χ^2 /NDF: 247257762.8/24
 Right Out: 136018.930 $\pm$ 0.048 χ^2 /NDF: 1895598042.7/25
 Left In: 140619.038 $\pm$ 0.051 χ^2 /NDF: 200370178.0/22

+ sign 138357.807 $\pm$ 0.035 χ^2 /NDF: 6470226963.8
 All: 138253.270 $\pm$ 0.025 χ^2 /NDF: 129317170
 - sign 138152.147 $\pm$ 0.035 χ^2 /NDF: 6444305629.0

yield_bpm0i02WS_rms vs Slug



Right In: 142.596+/-0.037 χ^2/NDF : 2427951.6/20

Left Out: 202.934+/-0.034 χ^2/NDF : 1052283.6/24

Right Out: 144.336+/-0.034 χ^2/NDF : 3390211.4/25

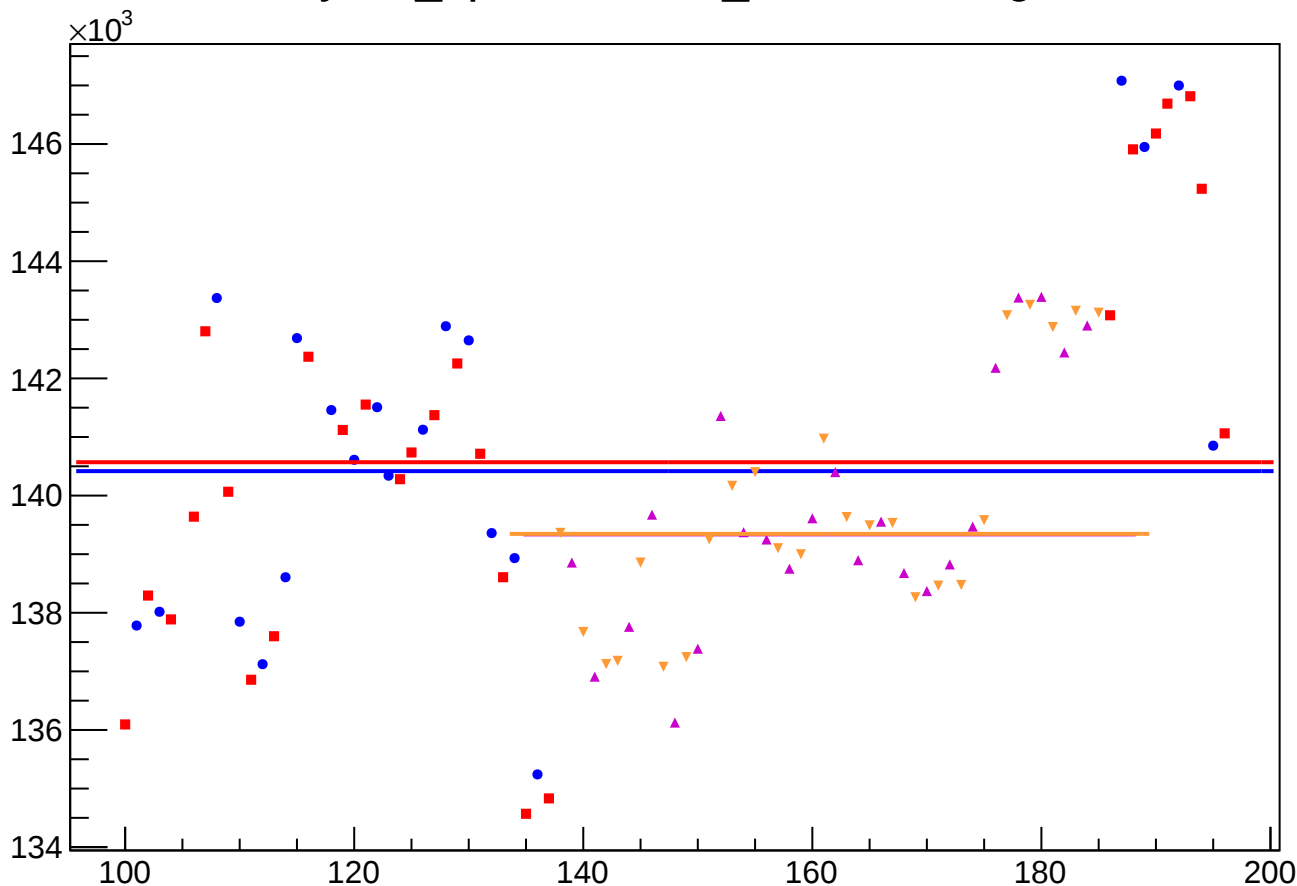
Left In: 207.872+/-0.036 χ^2/NDF : 949200.3/22

+ sign 174.811+/-0.025 χ^2/NDF : 4928580.6/45

All: 174.297+/-0.018 χ^2/NDF : 10927850.4/94

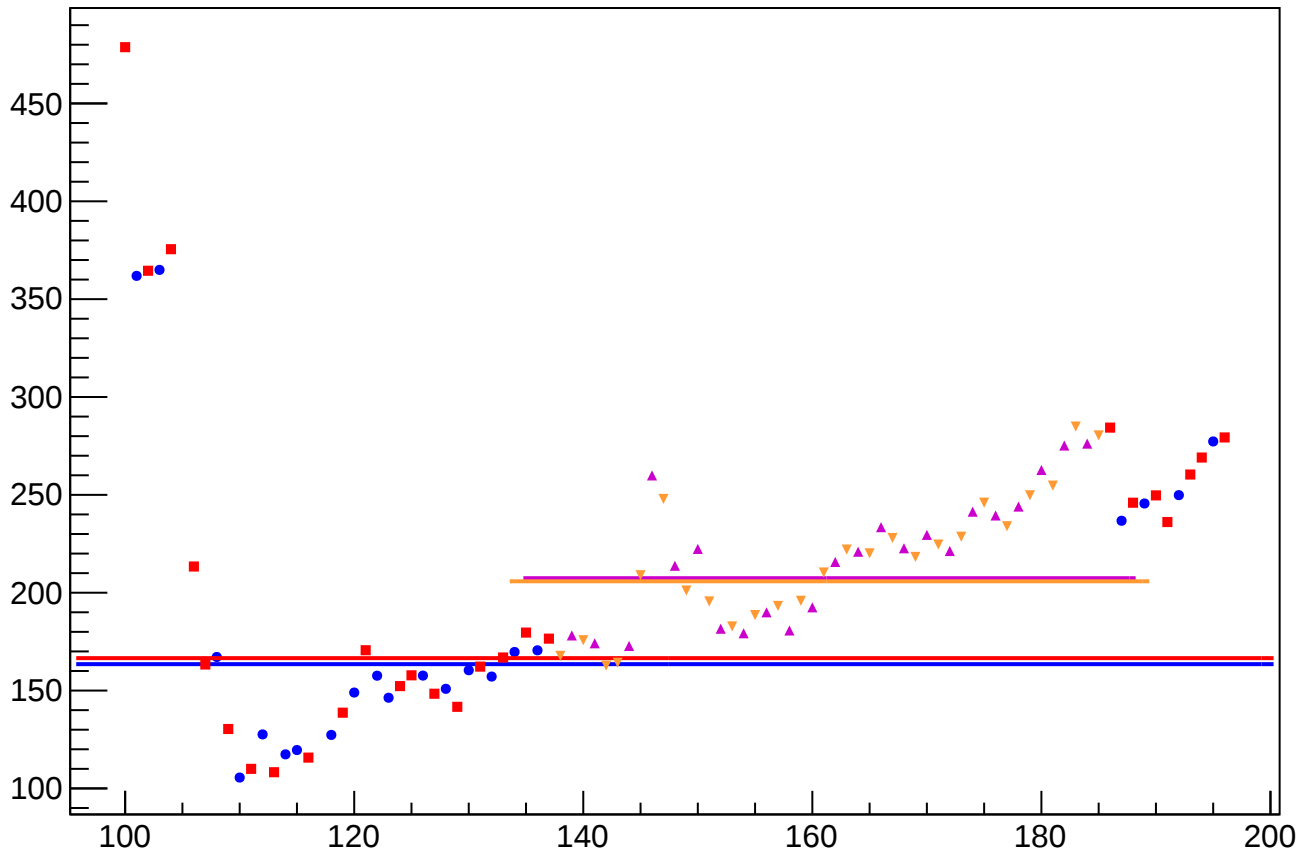
- sign 173.800+/-0.025 χ^2/NDF : 5998438.2/48

yield_bpm0i02aWS_mean vs Slug



Right In: 140417.425+/-0.058	χ^2/NDF : 2755457144.2/20	+ sign 139790.532+/-0.037	χ^2/NDF : 4224899525.1
Left Out: 139346.604+/-0.049	χ^2/NDF : 1271172976.7/24	All: 139856.681+/-0.026	χ^2/NDF : 901164713
Right Out: 140569.543+/-0.054	χ^2/NDF : 3209796116.9/25	- sign 139920.834+/-0.037	χ^2/NDF : 4780606824.6
Left In: 139337.874+/-0.051	χ^2/NDF : 1293003954.9/22		

yield_bpm0i02aWS_rms vs Slug



Right In: 163.499+/-0.041 χ^2/NDF : 1761429.9/20

Left Out: 205.833+/-0.035 χ^2/NDF : 738666.4/24

Right Out: 166.574+/-0.038 χ^2/NDF : 2539132.0/25

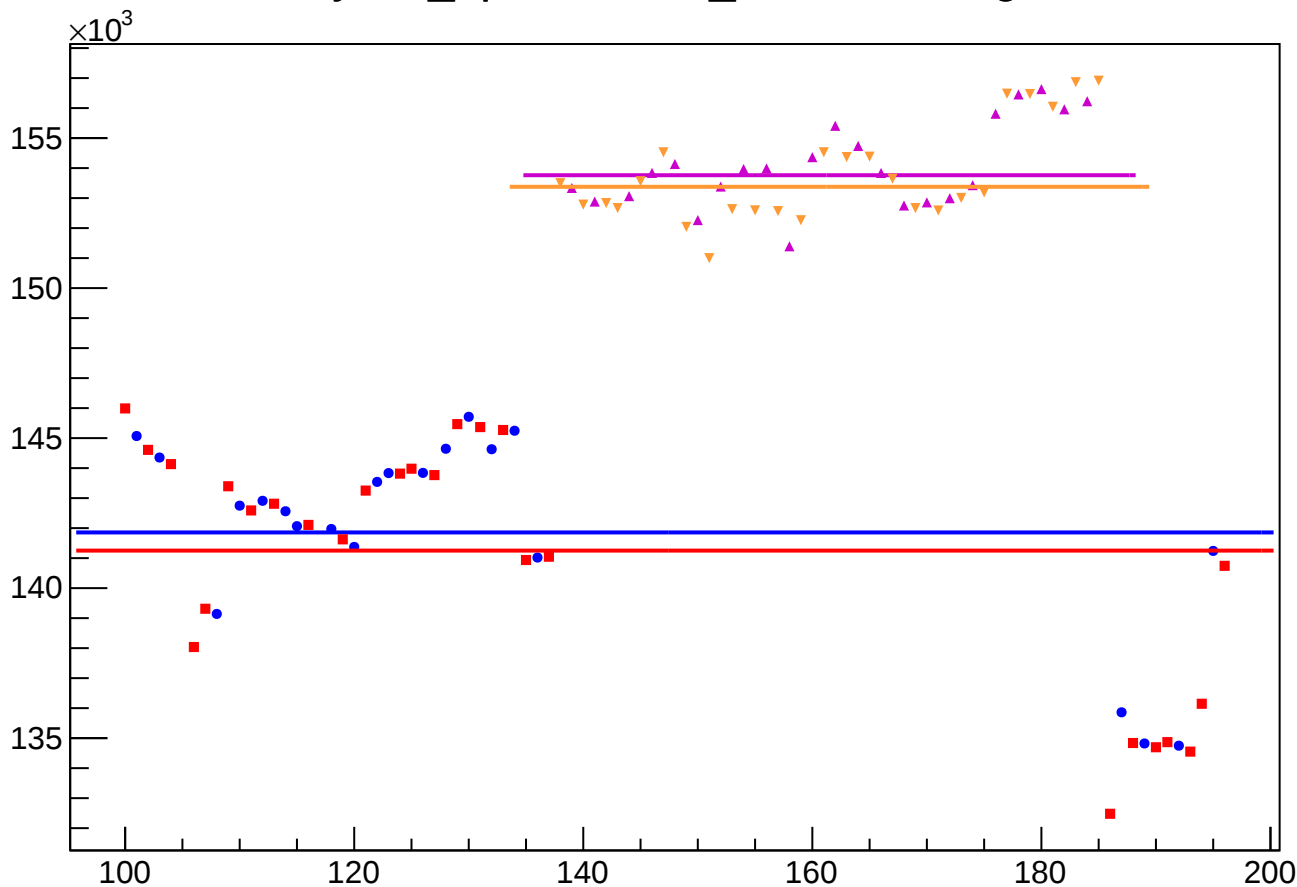
Left In: 207.416+/-0.036 χ^2/NDF : 701955.3/22

+ sign 188.283+/-0.026 χ^2/NDF : 3119854.5/45

All: 188.182+/-0.019 χ^2/NDF : 6971907.4/94

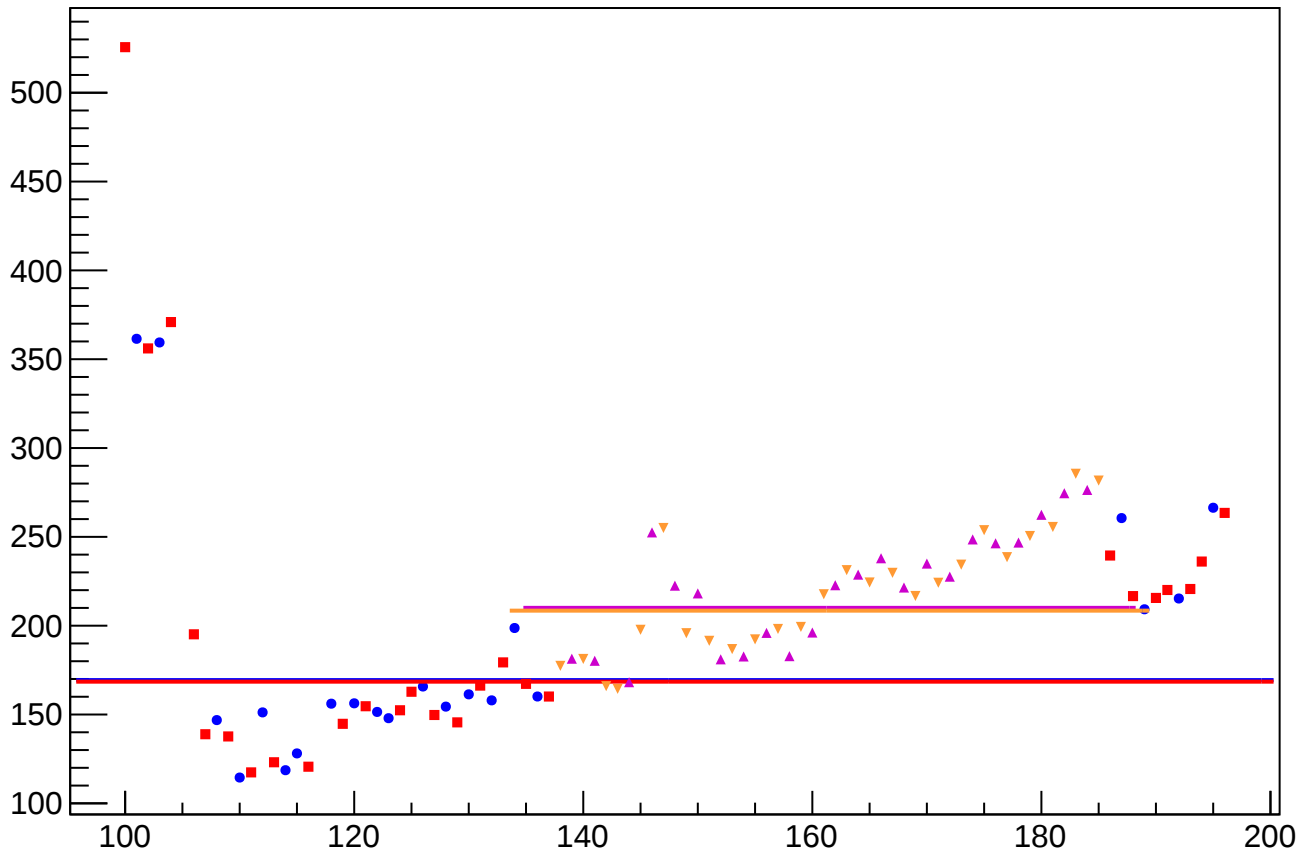
- sign 188.085+/-0.026 χ^2/NDF : 3852024.7/48

yield_bpm0i05WS_mean vs Slug



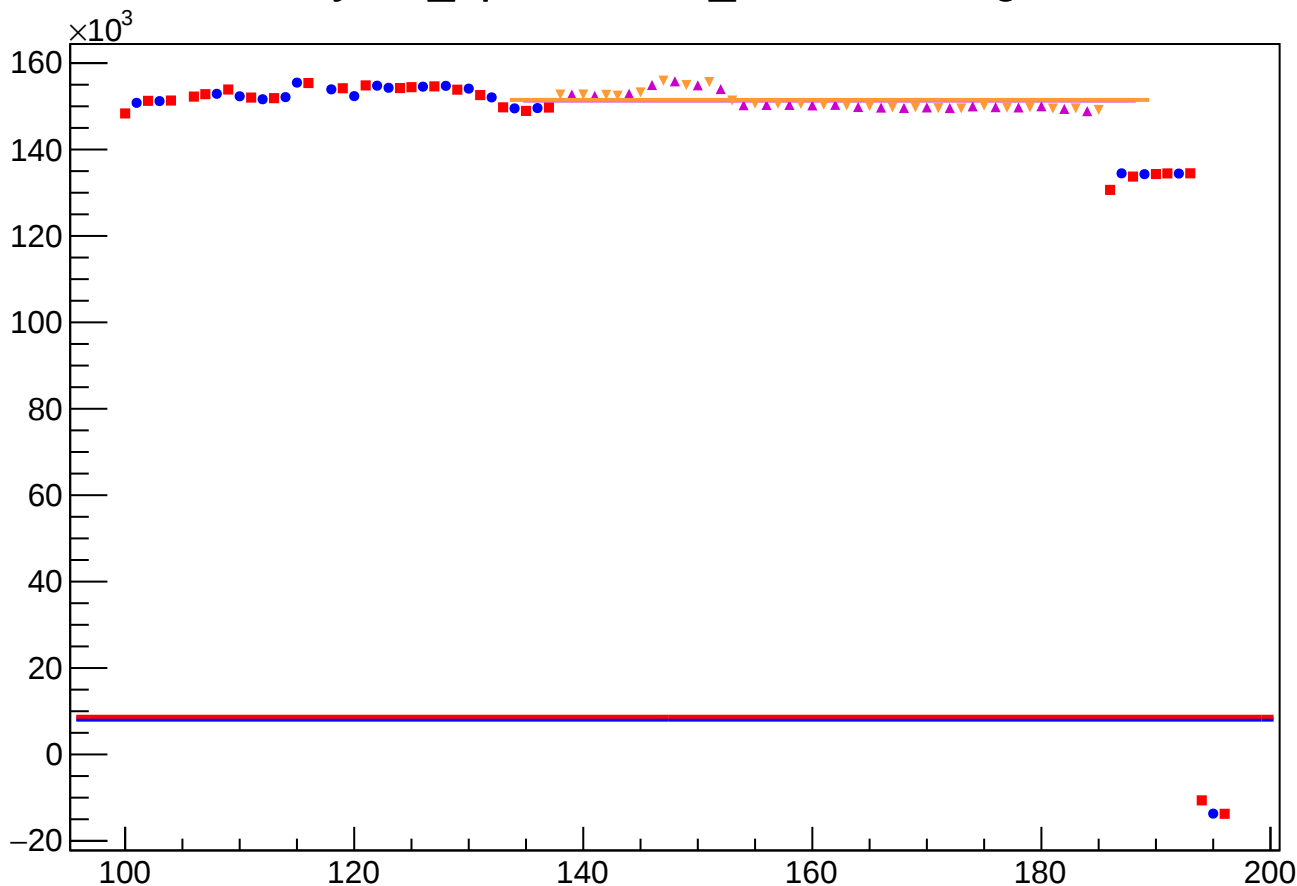
Right In: 141856.351 $\pm$ 0.059 χ^2 /NDF: 2580122990.9/20
 Left Out: 153376.698 $\pm$ 0.050 χ^2 /NDF: 803848095.1/24
 Right Out: 141251.151 $\pm$ 0.053 χ^2 /NDF: 4390486050.4/25
 Left In: 153762.419 $\pm$ 0.051 χ^2 /NDF: 635075685.0/22

yield_bpm0i05WS_rms vs Slug

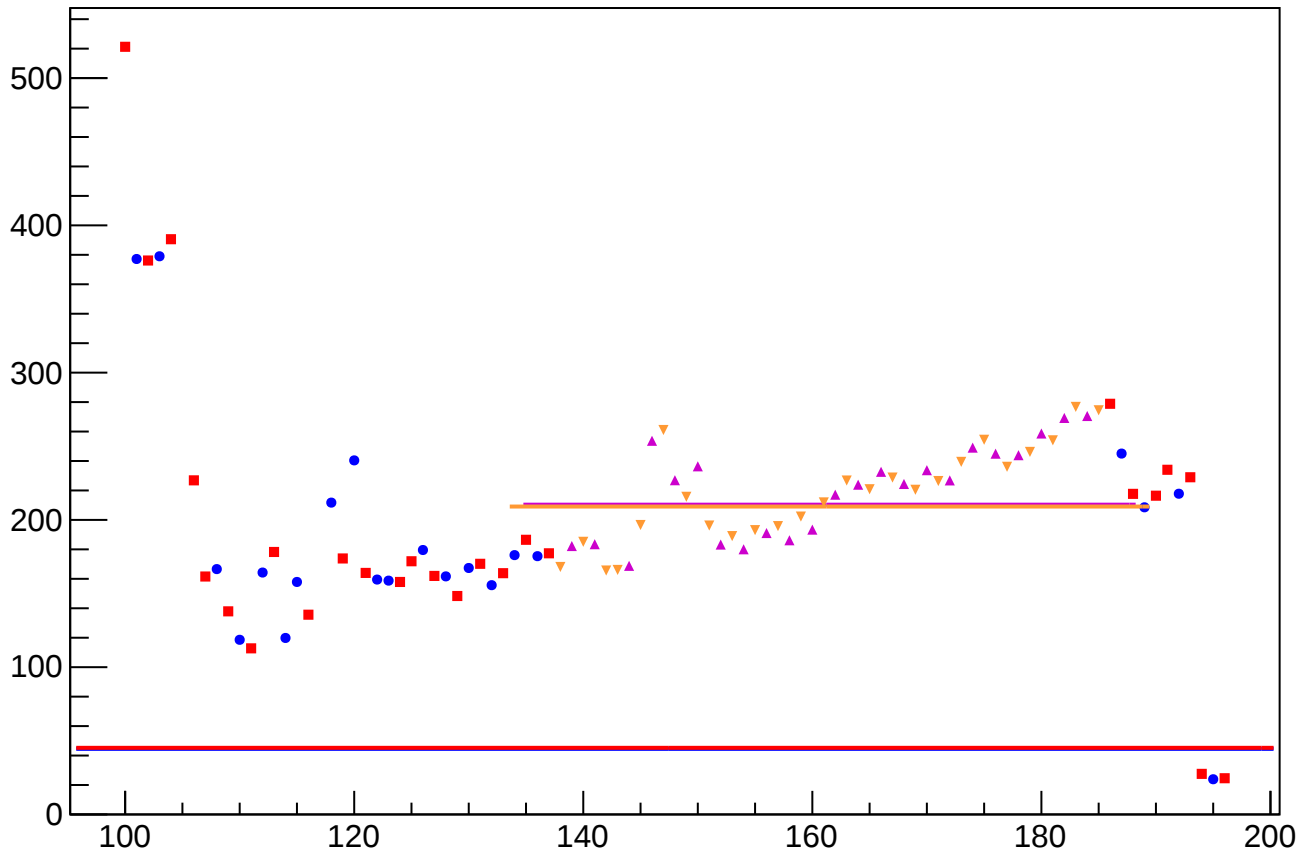


Right In: 169.383 $\pm$ 0.042 χ^2 /NDF: 1314462.9/20 + sign 192.465 $\pm$ 0.027 χ^2 /NDF: 2545062.6/45
 Left Out: 208.466 $\pm$ 0.035 χ^2 /NDF: 720894.7/24 All: 191.194 $\pm$ 0.019 χ^2 /NDF: 5676588.5/94
 Right Out: 168.492 $\pm$ 0.038 χ^2 /NDF: 1795550.9/25 - sign 189.993 $\pm$ 0.026 χ^2 /NDF: 3127191.4/48
 Left In: 210.038 $\pm$ 0.036 χ^2 /NDF: 702369.5/22

yield_bpm0i07WS_mean vs Slug



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: 45.243+/-0.015 χ^2/NDF : 12063384.3/25

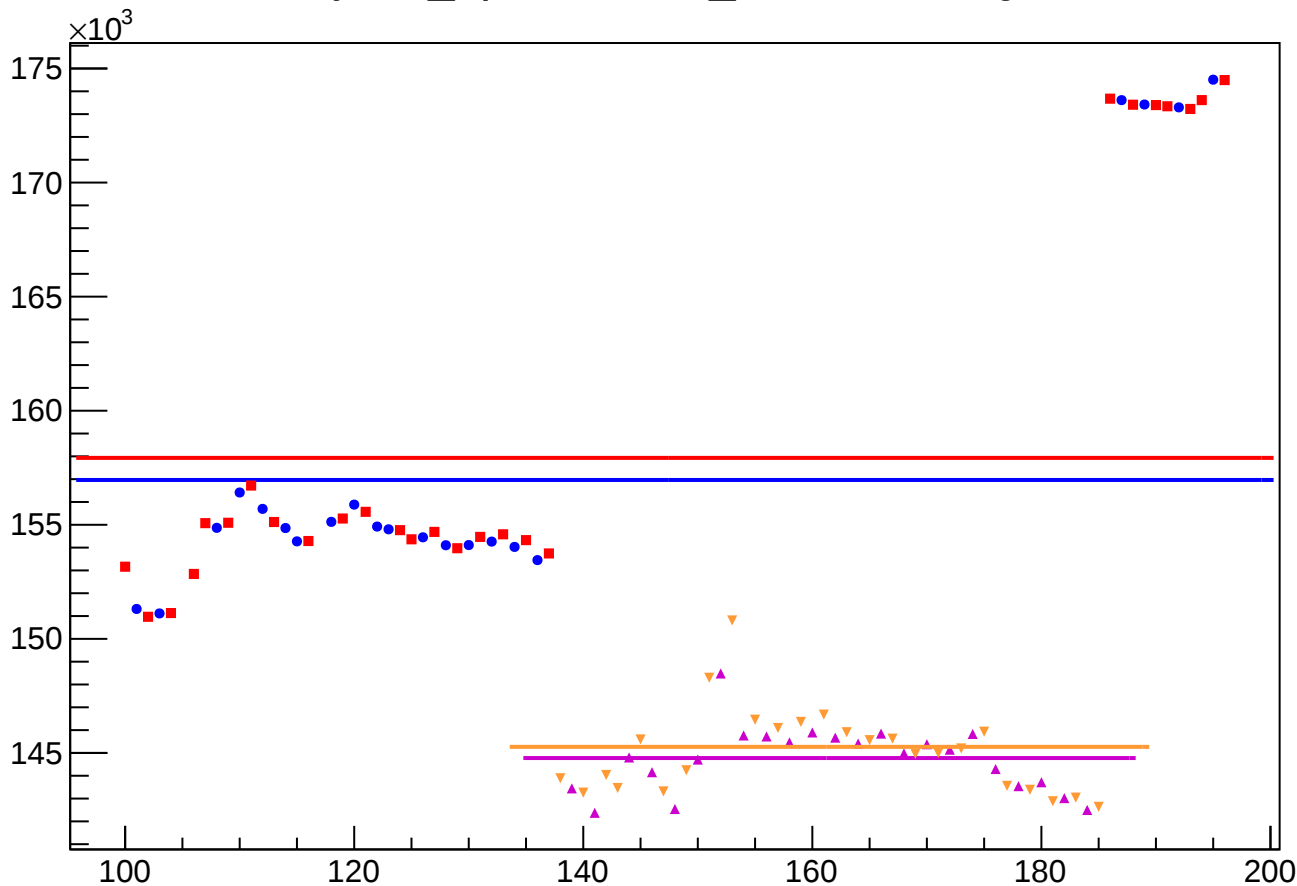
Left In: 210.345+/-0.036 χ^2/NDF : 677747.7/22

+ sign 76.600+/-0.015 χ^2/NDF : 28904875.8/45

All: 73.378+/-0.010 χ^2/NDF : 59186839.8/94

- sign 70.638+/-0.014 χ^2/NDF : 30201560.1/48

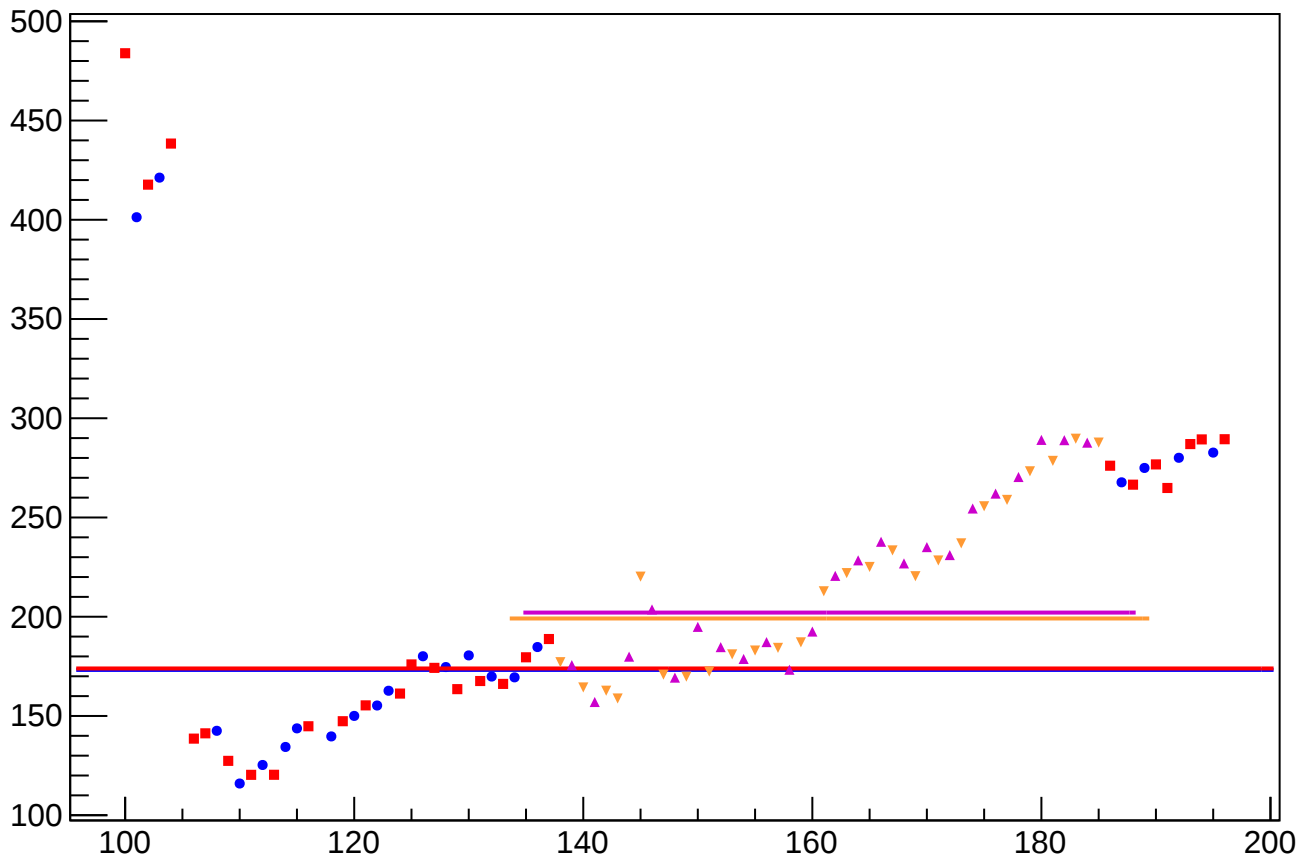
yield_bpm1i02WS_mean vs Slug



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: 157932.947 $\pm$ 0.056 χ^2 /NDF: 16071116688.6/25
 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: 150114.279 $\pm$ 0.026 χ^2 /NDF: 828131683.0
 - sign 150597.166 $\pm$ 0.037 χ^2 /NDF: 48171300807.0

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: 173.934 $\pm$ 0.039 χ^2 /NDF: 2614115.6/25

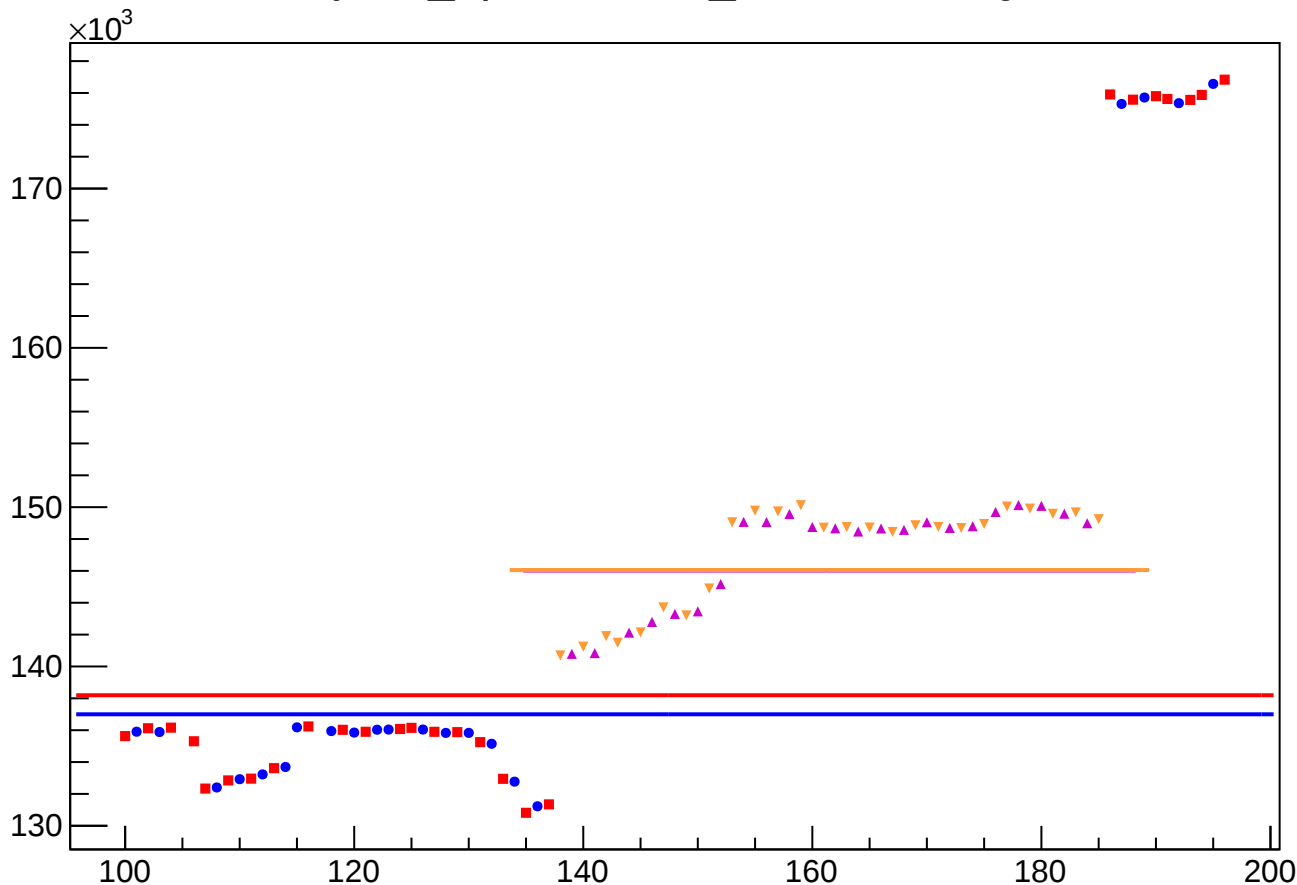
Left In: 202.090 $\pm$ 0.035 χ^2 /NDF:1057833.2/22

+ sign 189.480 $\pm$ 0.027 χ^2 /NDF: 3273939.3/45

All: 189.558 $\pm$ 0.019 χ^2 /NDF: 7231515.4/94

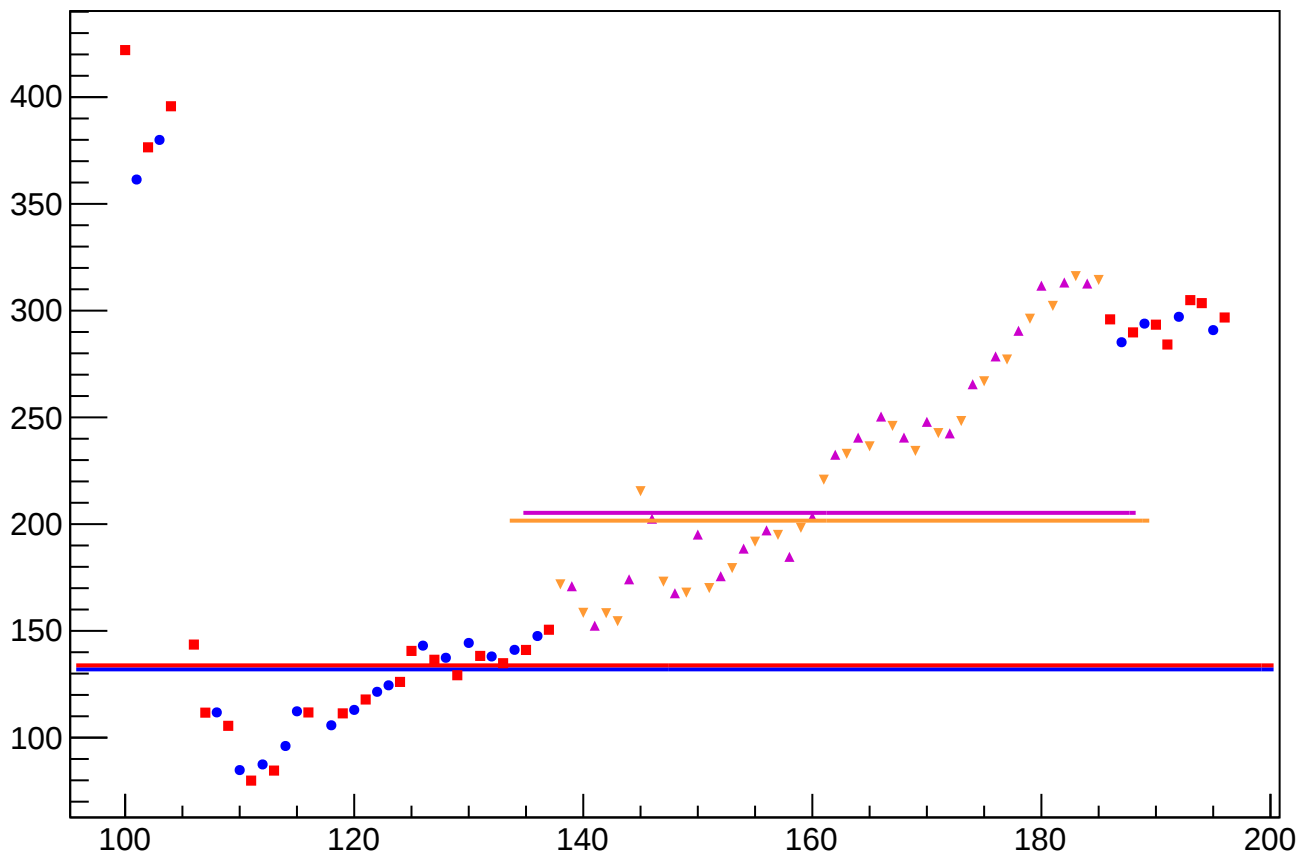
- sign 189.633 $\pm$ 0.026 χ^2 /NDF: 3957559.2/48

yield_bpm1i04WS_mean vs Slug



Right In: 136997.995 $\pm$ 0.049	χ^2 /NDF: 45353973585.5/20	+ sign 141564.820 $\pm$ 0.034	χ^2 /NDF: 68167547125.
Left Out: 146051.733 $\pm$ 0.048	χ^2 /NDF: 5403300123.1/24	All: 141608.795 $\pm$ 0.024	χ^2 /NDF: 162177494
Right Out: 138194.176 $\pm$ 0.045	χ^2 /NDF: 76089418035.1/25	- sign 141651.141 $\pm$ 0.034	χ^2 /NDF: 94006721859.9
Left In: 146020.015 $\pm$ 0.051	χ^2 /NDF: 4591425371.4/22		

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: 133.846 $\pm$ 0.032 χ^2 /NDF: 4329542.1/25

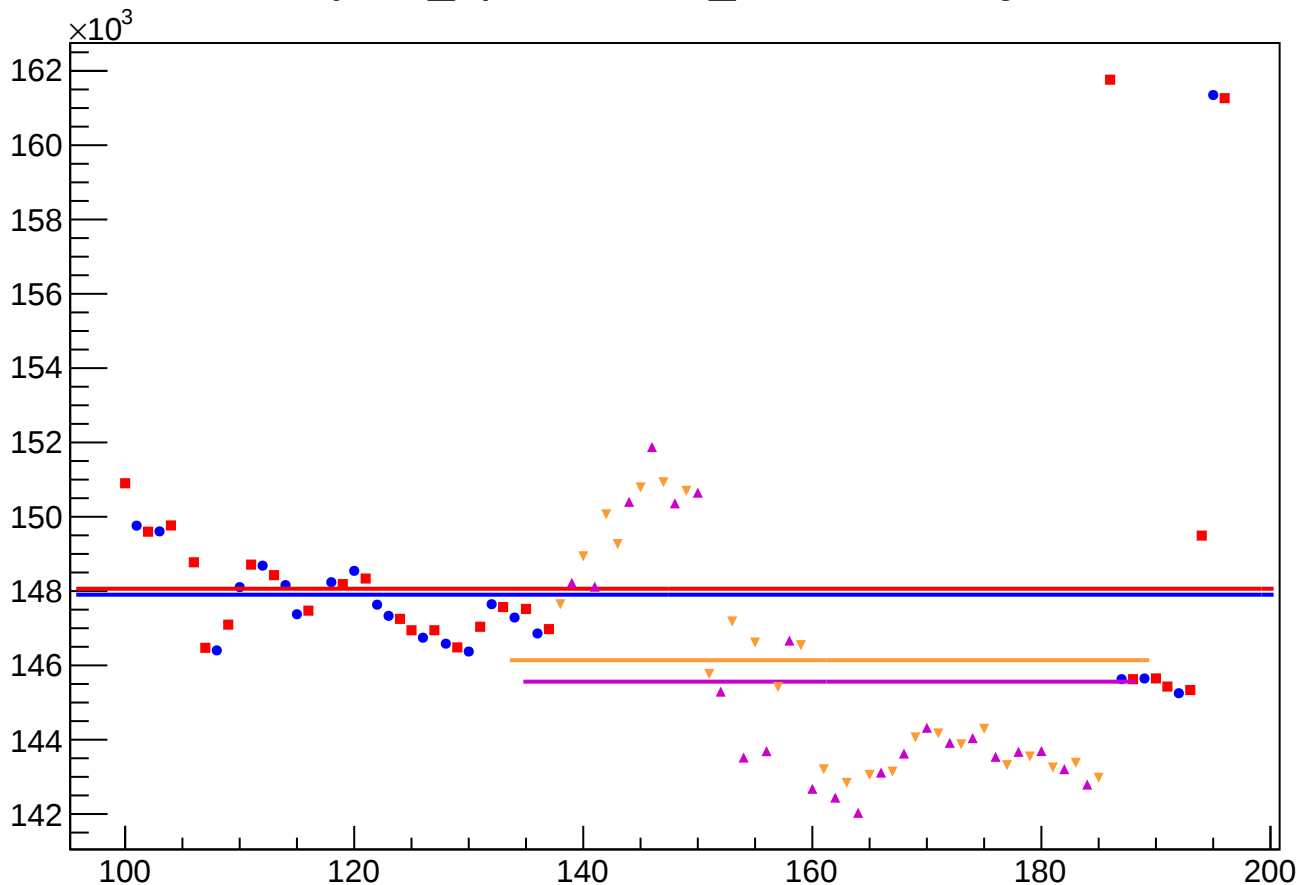
Left In: 205.286 $\pm$ 0.036 χ^2 /NDF:1425292.7/22

+ sign 167.111 $\pm$ 0.024 χ^2 /NDF: 6642694.6/45

All: 166.241 $\pm$ 0.017 χ^2 /NDF: 14621041.2/94

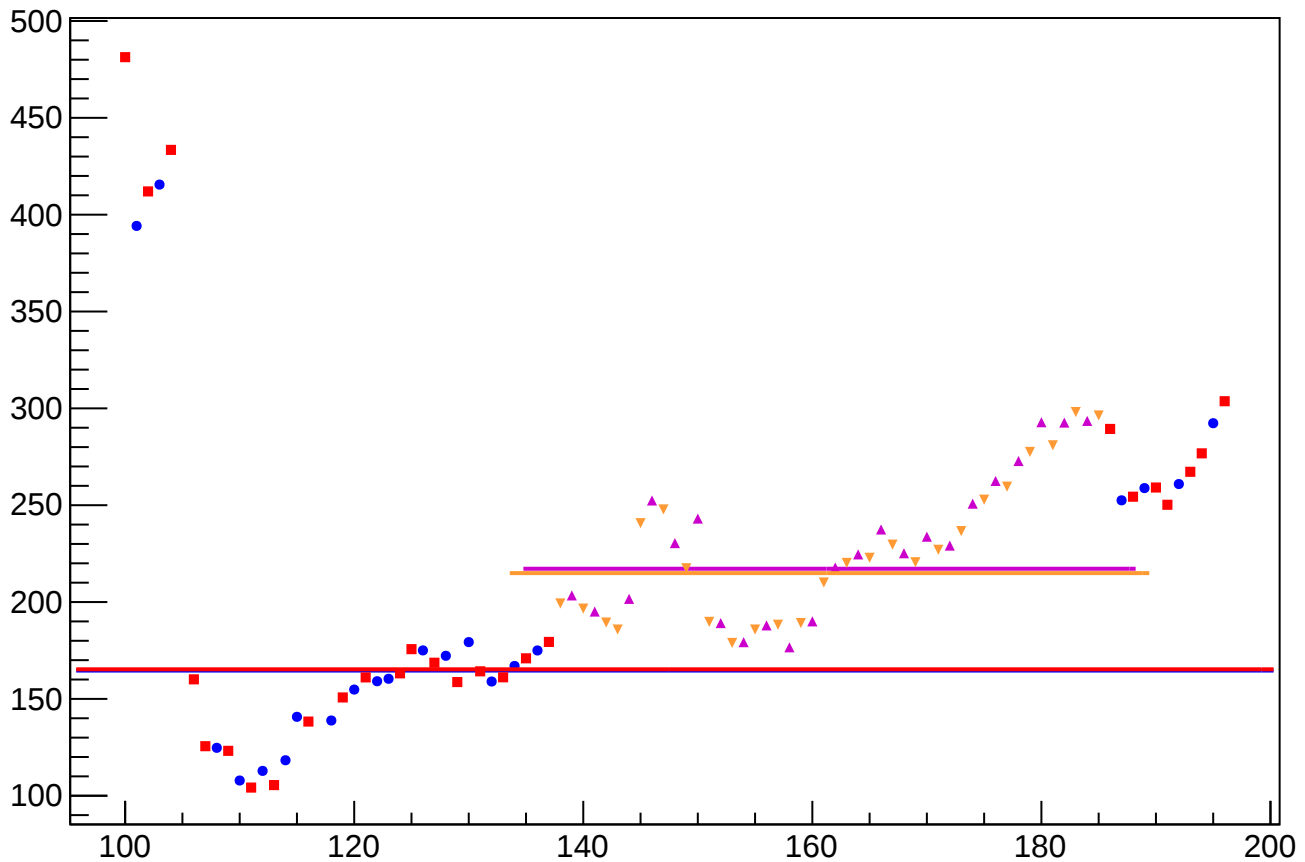
- sign 165.404 $\pm$ 0.024 χ^2 /NDF: 7975825.3/48

yield_bpm1i06WS_mean vs Slug



Right In: 147902.609 $\pm$ 0.059	χ^2 /NDF: 2099866617.3/20	+ sign 146892.455 $\pm$ 0.039	χ^2 /NDF: 5311875913.8
Left Out: 146139.326 $\pm$ 0.051	χ^2 /NDF: 2699546907.6/24	All: 146847.289 $\pm$ 0.027	χ^2 /NDF: 122333699
Right Out: 148062.518 $\pm$ 0.053	χ^2 /NDF: 2761752227.6/25	- sign 146804.166 $\pm$ 0.038	χ^2 /NDF: 6918807976.9/22
Left In: 145562.386 $\pm$ 0.053	χ^2 /NDF: 3054641996.0/22		

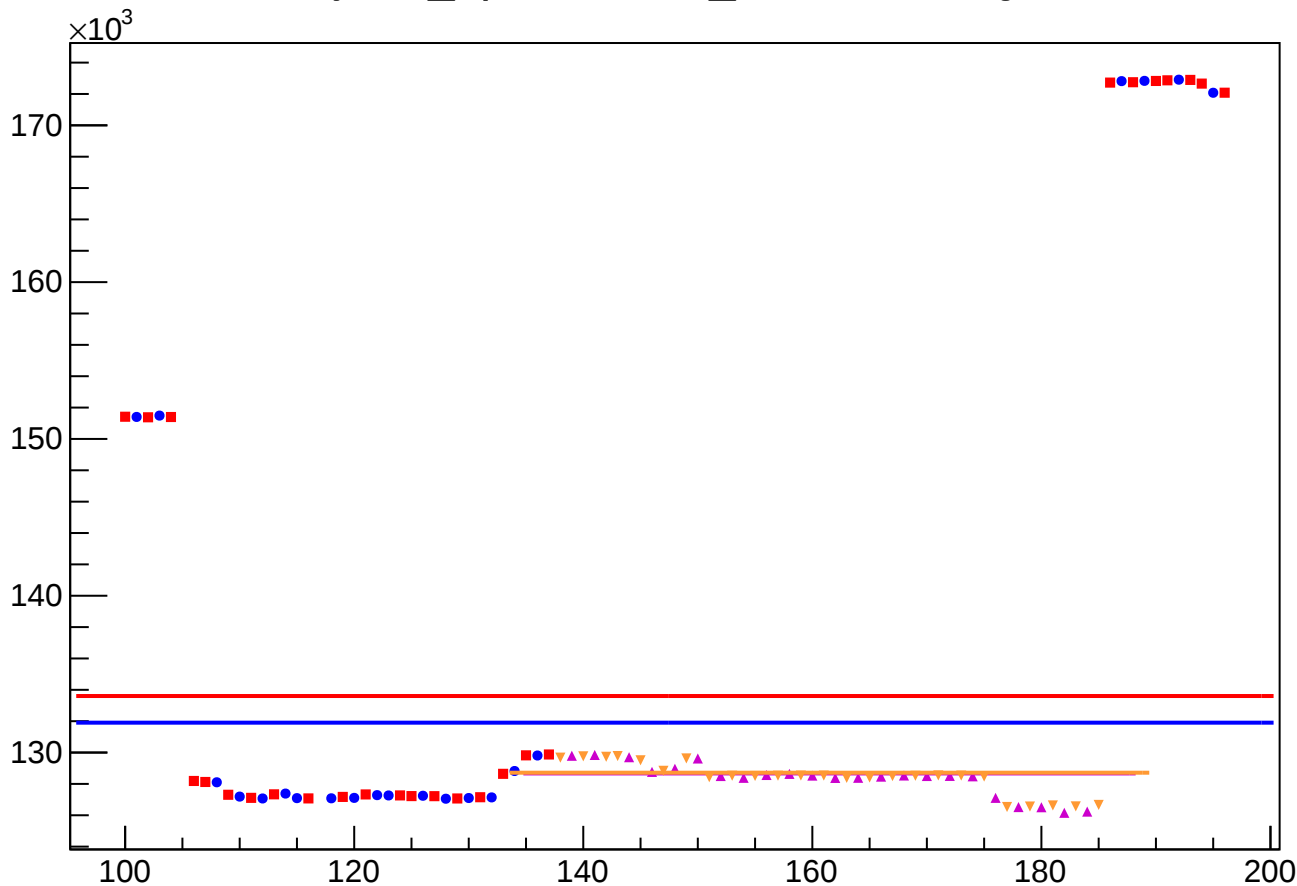
yield_bpm1i06WS_rms vs Slug



Right In: 164.631 $\pm$ 0.042 χ^2 /NDF: 2072929.0/20
 Left Out: 214.945 $\pm$ 0.036 χ^2 /NDF: 728515.5/24
 Right Out: 165.276 $\pm$ 0.038 χ^2 /NDF: 2919509.5/25
 Left In: 217.203 $\pm$ 0.038 χ^2 /NDF: 764798.3/22

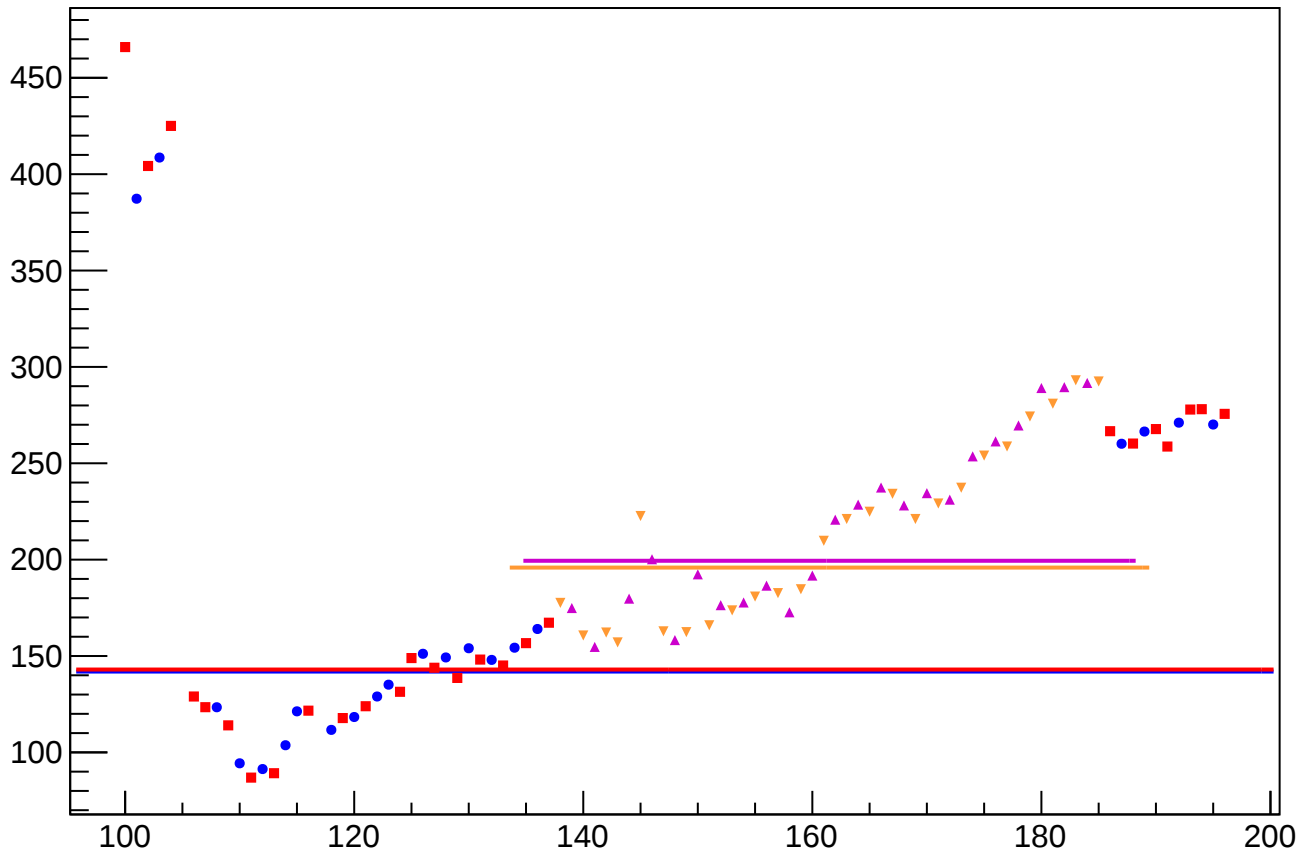
+ sign 193.455 $\pm$ 0.027 χ^2 /NDF: 3635937.8/45
 All: 192.410 $\pm$ 0.019 χ^2 /NDF: 8274256.9/94
 - sign 191.412 $\pm$ 0.027 χ^2 /NDF: 4635441.6/48

yield_bpm2i01WS_mean vs Slug



Right In: 131905.122+/-0.052	χ^2/NDF : 63418619384.6/20	+ sign 130145.231+/-0.035	χ^2/NDF : 65860103217.
Left Out: 128714.507+/-0.047	χ^2/NDF : 348178101.1/24	All: 130701.111+/-0.024	χ^2/NDF : 175679039
Right Out: 133604.666+/-0.047	χ^2/NDF : 103702735484.8/25	- sign 131233.743+/-0.034	χ^2/NDF : 109315893718
Left In: 128667.013+/-0.049	χ^2/NDF : 333059477.6/22		

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: 142.984 $\pm$ 0.033 χ^2 /NDF: 3659239.6/25

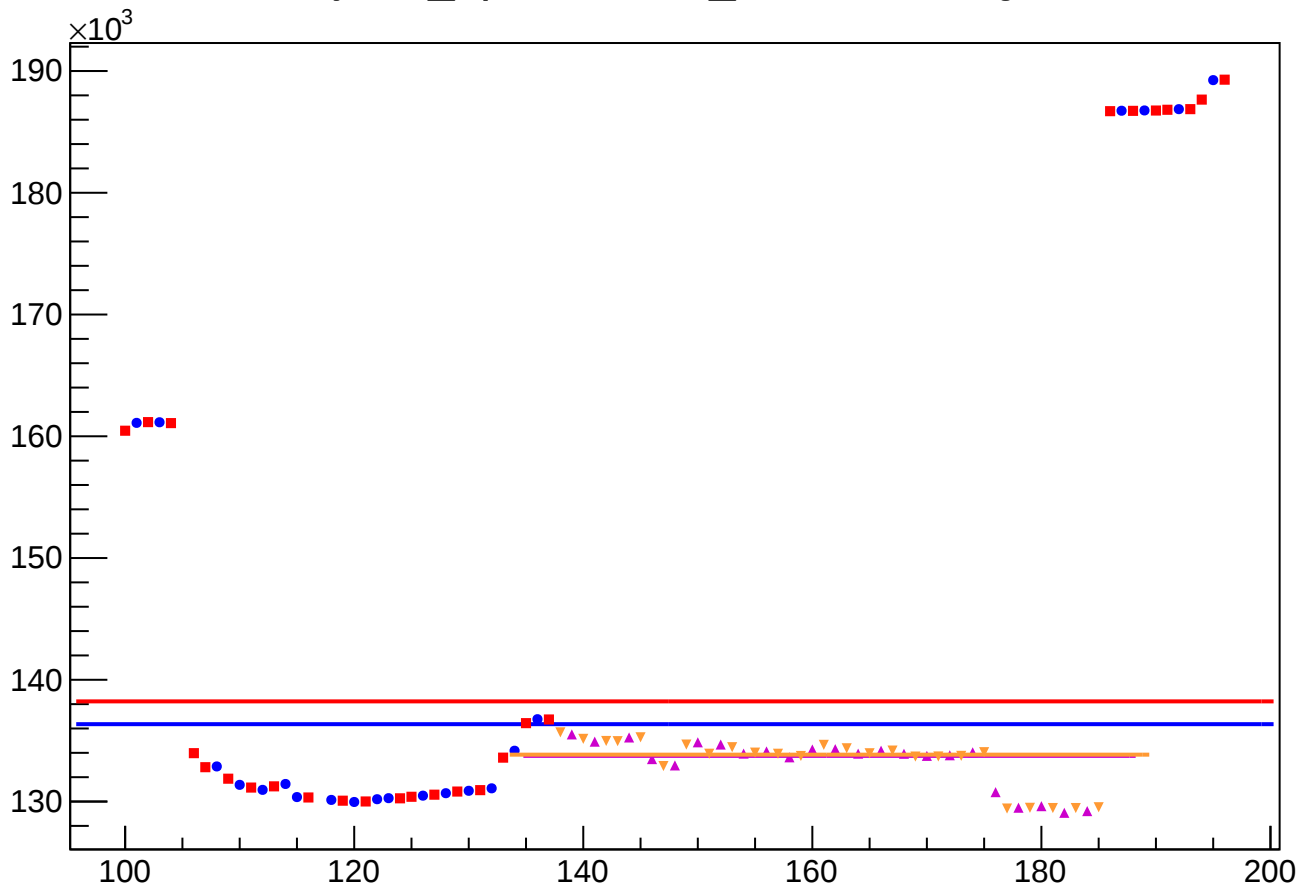
Left In: 199.413 $\pm$ 0.035 χ^2 /NDF:1165698.7/22

+ sign 171.692 $\pm$ 0.025 χ^2 /NDF: 5147488.1/45

All: 170.869 $\pm$ 0.017 χ^2 /NDF: 11353861.7/94

- sign 170.080 $\pm$ 0.024 χ^2 /NDF: 6204168.5/48

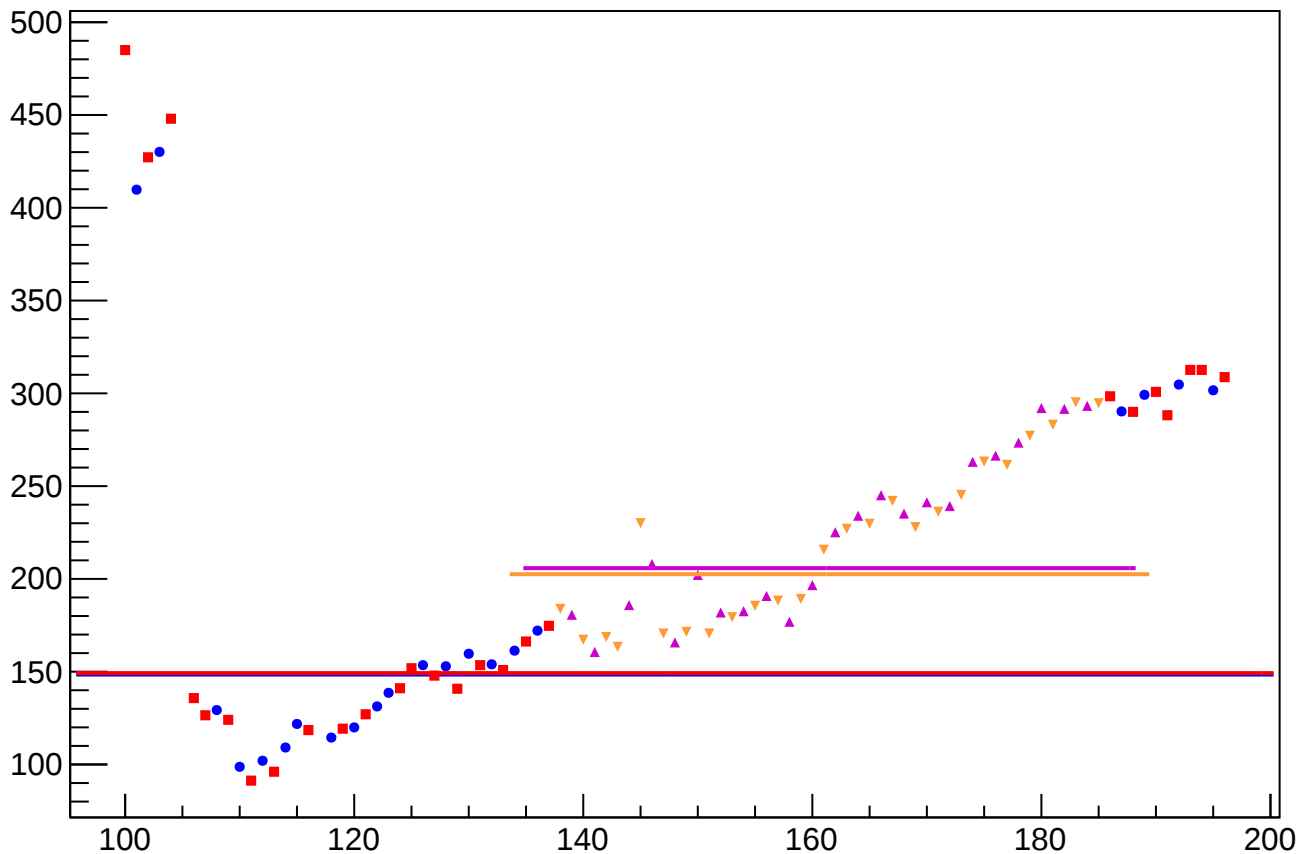
yield_bpm2i02WS_mean vs Slug



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: 138226.563 $\pm$ 0.050 χ^2 /NDF: 130003783017.8/25
 Left In: 133749.630 $\pm$ 0.051 χ^2 /NDF: 954069486.7/22

+ sign 134952.467 $\pm$ 0.036 χ^2 /NDF: 82992680260.
 All: 135503.616 $\pm$ 0.025 χ^2 /NDF: 218413815
 - sign 136032.877 $\pm$ 0.035 χ^2 /NDF: 134963798091

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: 149.245 $\pm$ 0.035 χ^2 /NDF: 3929316.7/25

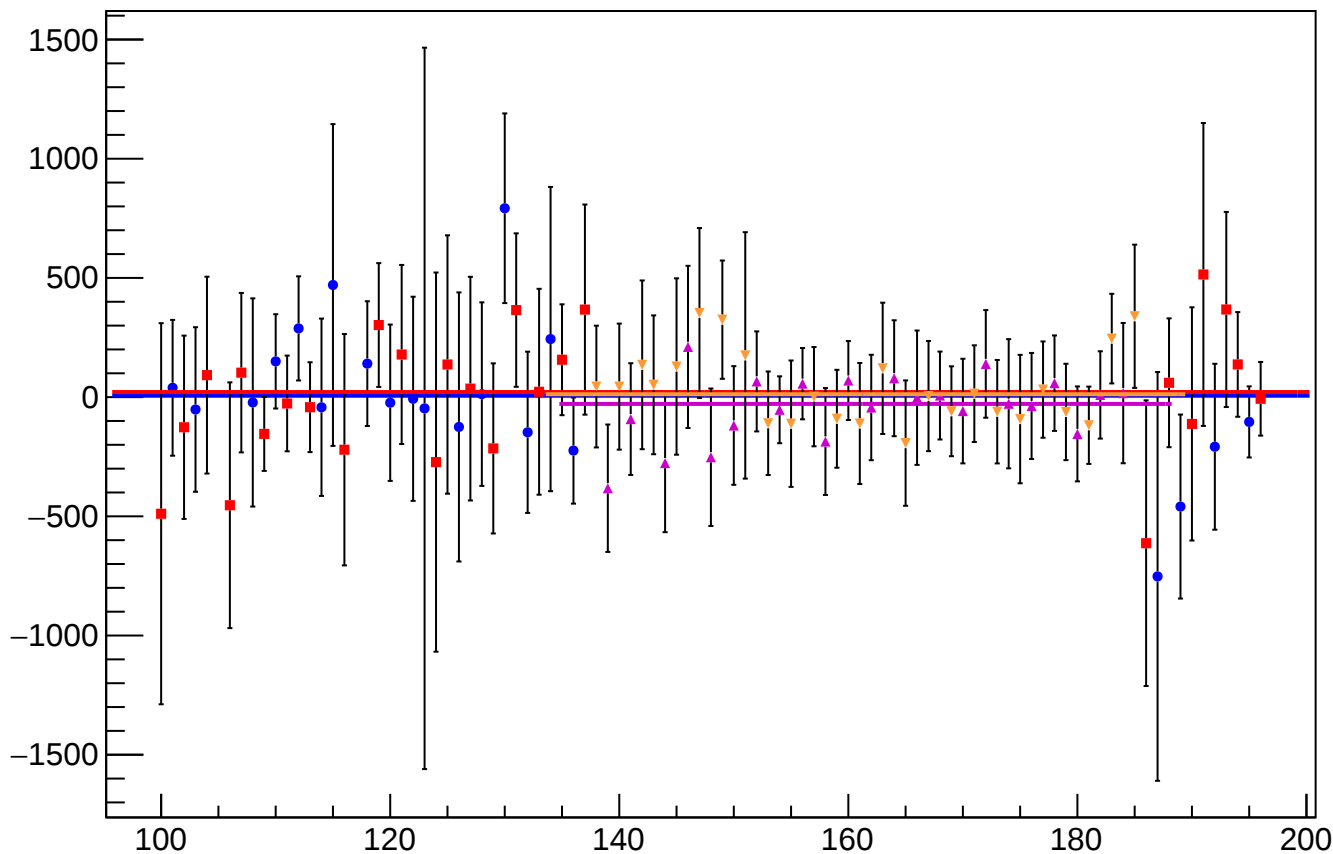
Left In: 205.808 $\pm$ 0.036 χ^2 /NDF:1094330.7/22

+ sign 178.731 $\pm$ 0.026 χ^2 /NDF: 5078138.4/45

All: 177.828 $\pm$ 0.018 χ^2 /NDF: 11383132.5/94

- sign 176.961 $\pm$ 0.025 χ^2 /NDF: 6302539.1/48

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: 21.364 ± 58.187 χ^2/NDF : 10.1/25

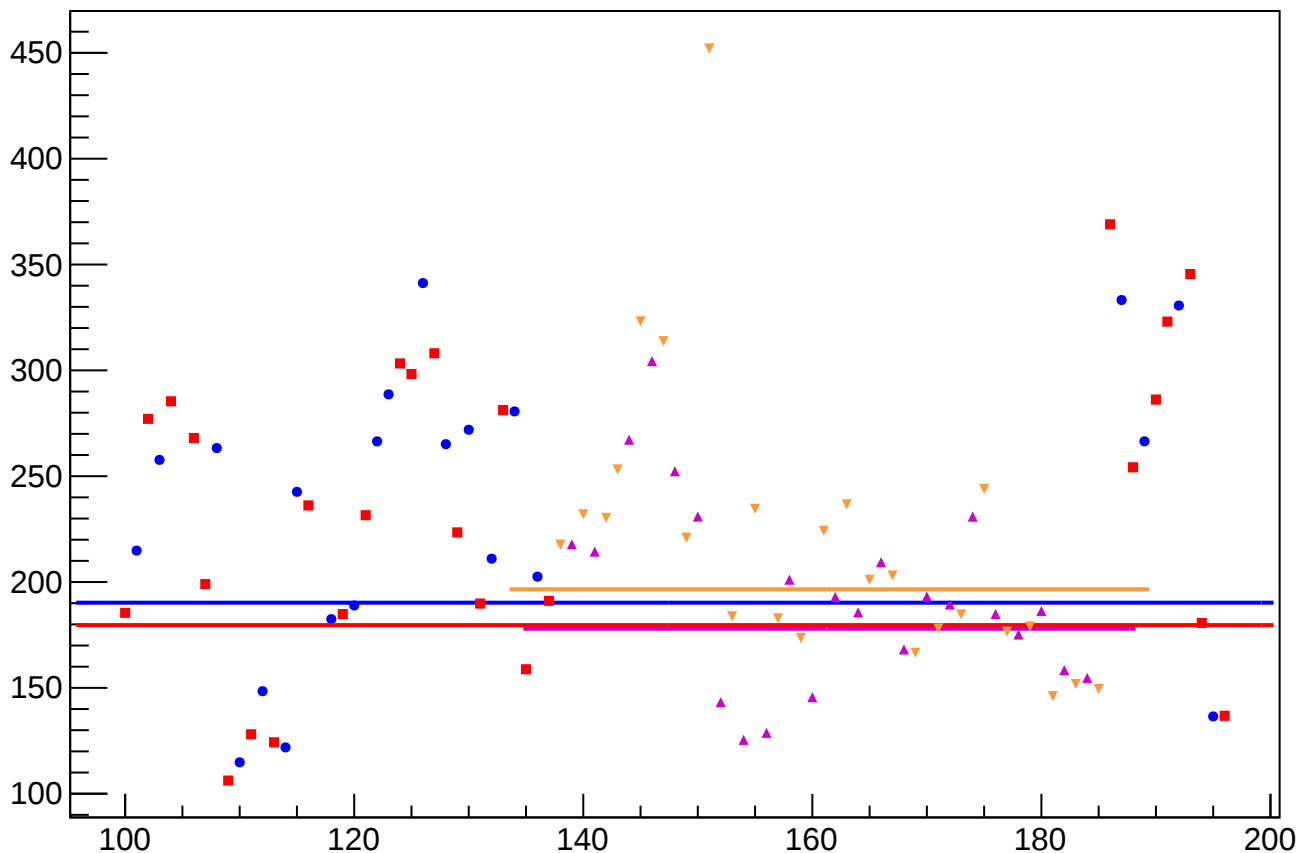
Left In: -28.452 ± 44.688 χ^2/NDF : 6.7/22

+ sign 10.083 ± 38.830 χ^2/NDF : 20.1/45

All: -0.856 ± 26.177 χ^2/NDF : 37.5/94

- sign -9.970 ± 35.442 χ^2/NDF : 17.2/48

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: 179.658 $\pm$ 0.041 χ^2 /NDF: 2629722.3/25

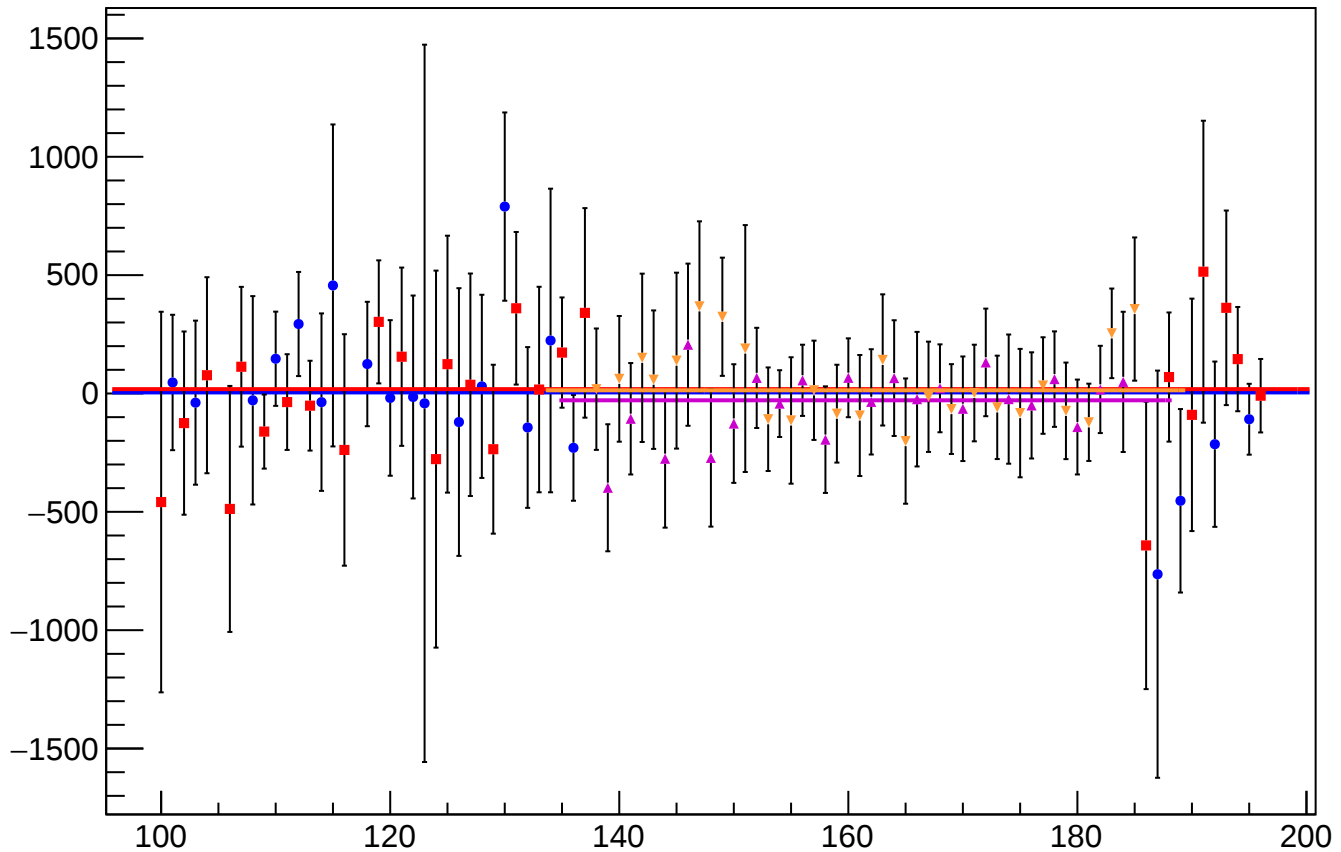
Left In: 177.933 $\pm$ 0.032 χ^2 /NDF:1605780.8/22

+ sign 194.471 $\pm$ 0.027 χ^2 /NDF: 3531222.8/45

All: 185.798 $\pm$ 0.019 χ^2 /NDF: 7950723.5/94

- sign 178.573 $\pm$ 0.025 χ^2 /NDF: 4236609.5/48

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: 18.403 ± 58.492 χ^2/NDF : 10.4/25

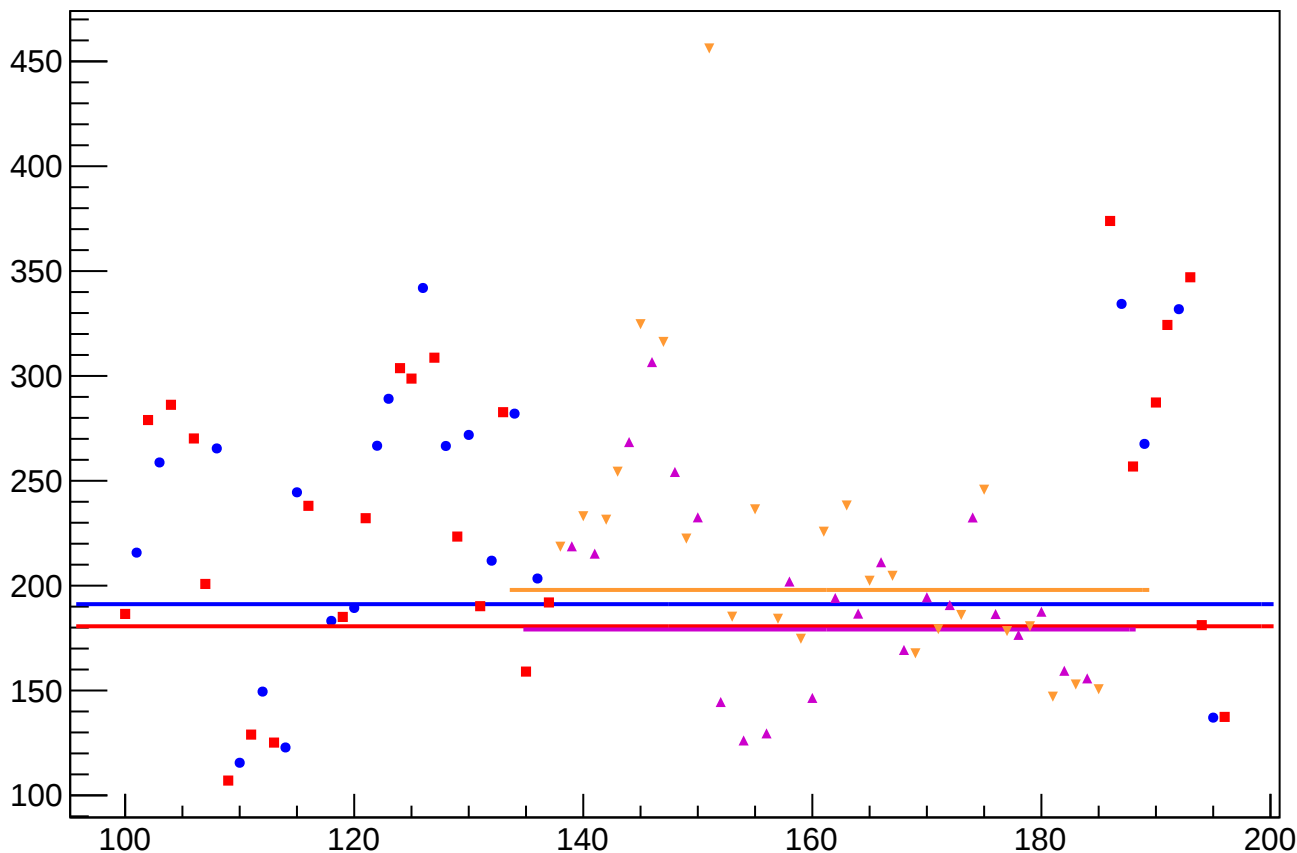
Left In: -28.806 ± 44.980 χ^2/NDF : 6.8/22

+ sign 10.429 ± 39.071 χ^2/NDF : 20.5/45

All: -1.406 ± 26.337 χ^2/NDF : 38.2/94

- sign -11.263 ± 35.656 χ^2/NDF : 17.6/48

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: 180.627 $\pm$ 0.041 χ^2 /NDF: 2623529.1/25

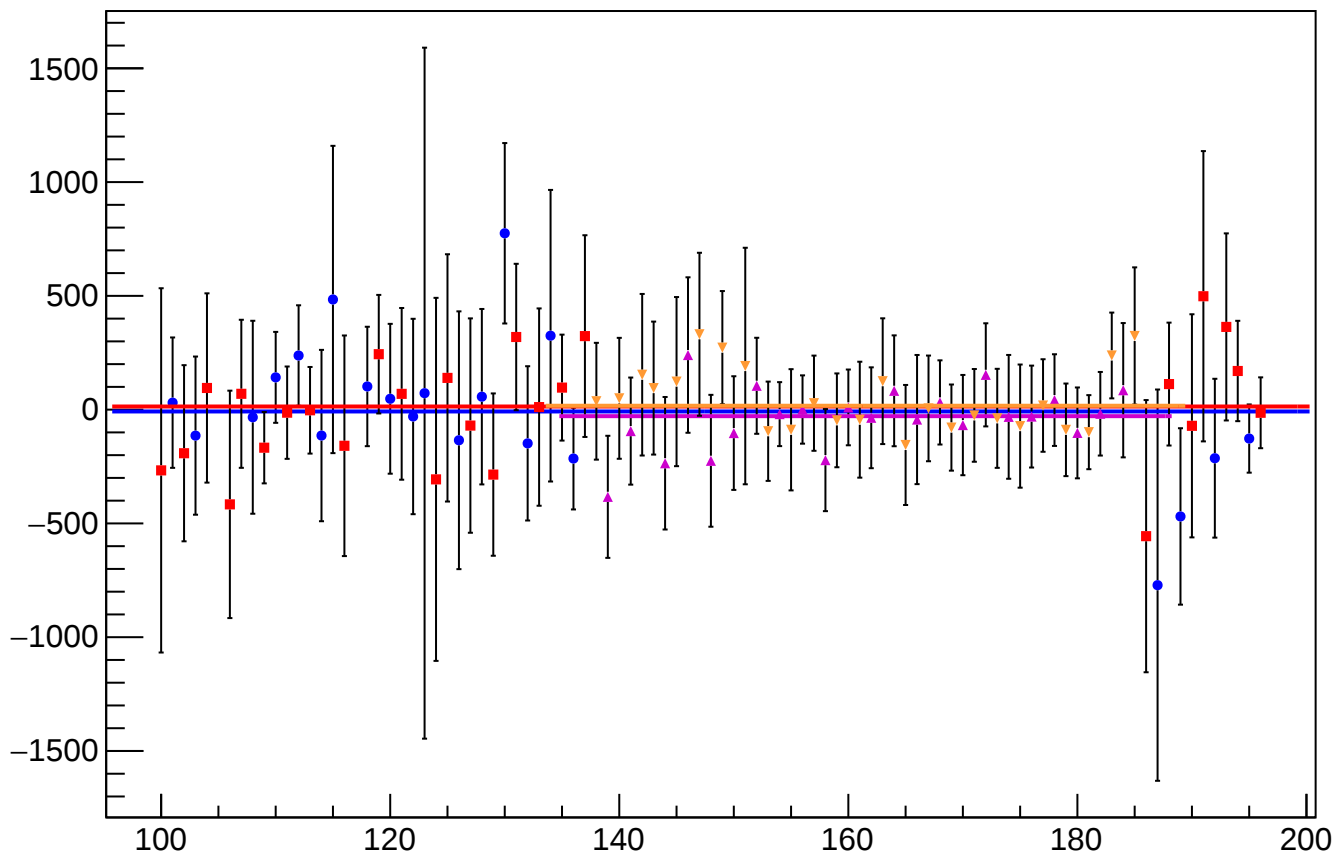
Left In: 179.090 $\pm$ 0.032 χ^2 /NDF:1605113.3/22

+ sign 195.691 $\pm$ 0.028 χ^2 /NDF: 3520296.1/45

All: 186.945 $\pm$ 0.019 χ^2 /NDF: 7933487.9/94

- sign 179.661 $\pm$ 0.025 χ^2 /NDF: 4229510.8/48

asym_bcm_an_us_mean vs Slug



Right In: -7.993 ± 67.655 χ^2/NDF : 11.2/20

Left Out: 17.142 ± 47.738 χ^2/NDF : 7.1/24

Right Out: 13.798 ± 58.440 χ^2/NDF : 8.9/25

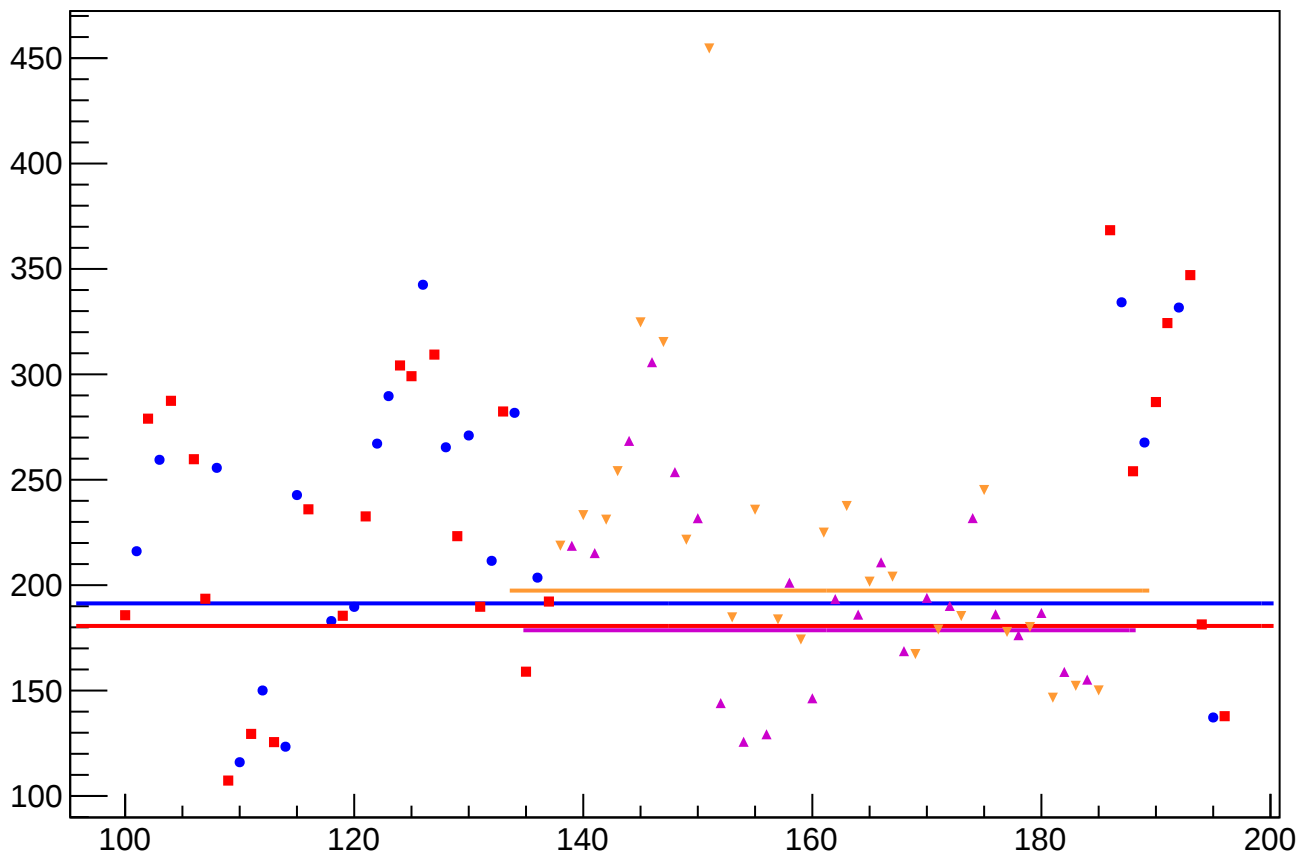
Left In: -28.655 ± 44.859 χ^2/NDF : 6.1/22

+ sign 8.787 ± 39.005 χ^2/NDF : 18.4/45

All: -3.057 ± 26.288 χ^2/NDF : 33.9/94

- sign -12.916 ± 35.584 χ^2/NDF : 15.3/48

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: 180.653 ± 0.041 $\chi^2/\text{NDF}: 2582313.5/25$

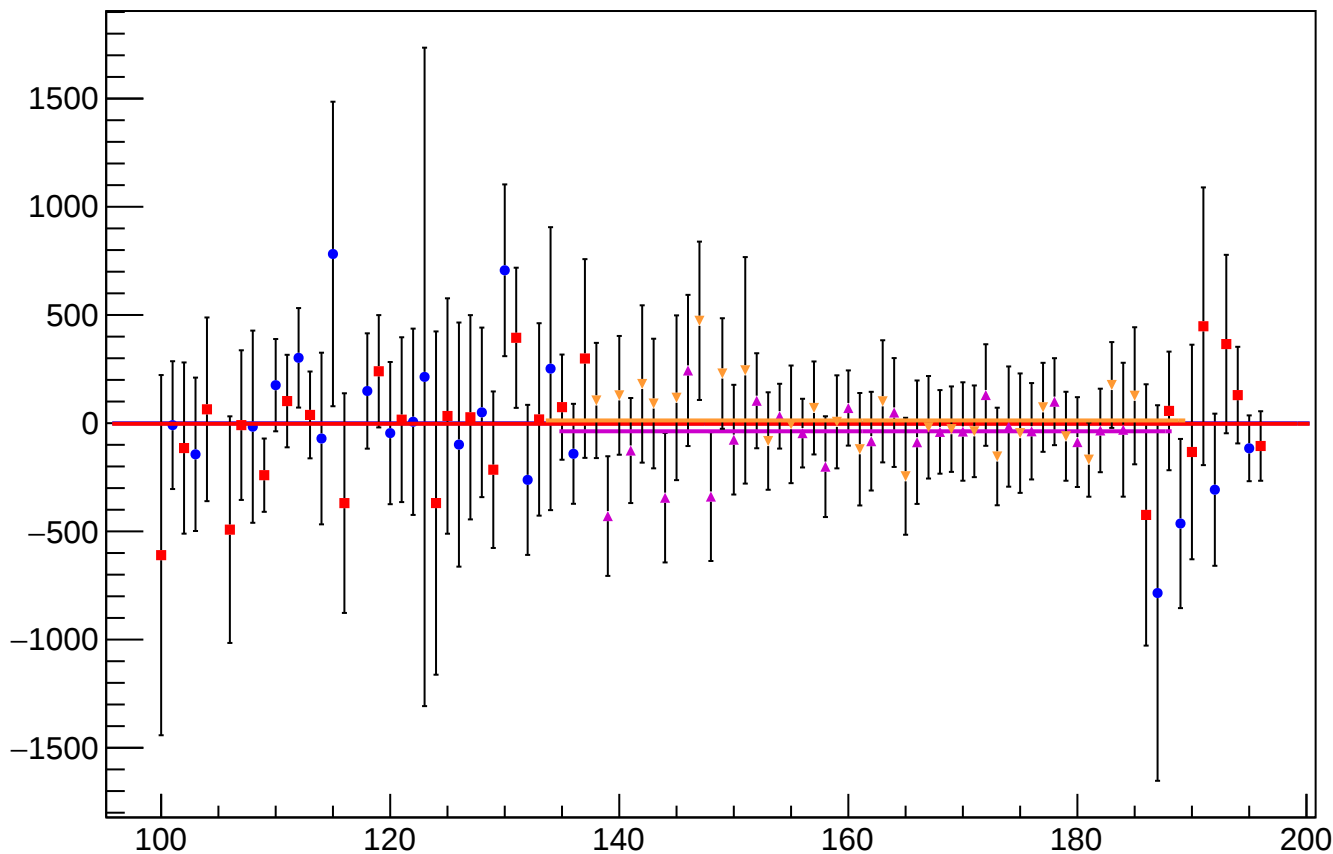
Left In: 178.601 ± 0.032 $\chi^2/\text{NDF}: 1608998.1/22$

+ sign 195.404 ± 0.028 $\chi^2/\text{NDF}: 3499147.2/45$

All: 186.649 ± 0.019 $\chi^2/\text{NDF}: 7876638.8/94$

- sign 179.362 ± 0.025 $\chi^2/\text{NDF}: 4192861.9/48$

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: -2.745 ± 60.497 χ^2/NDF : 10.4/25

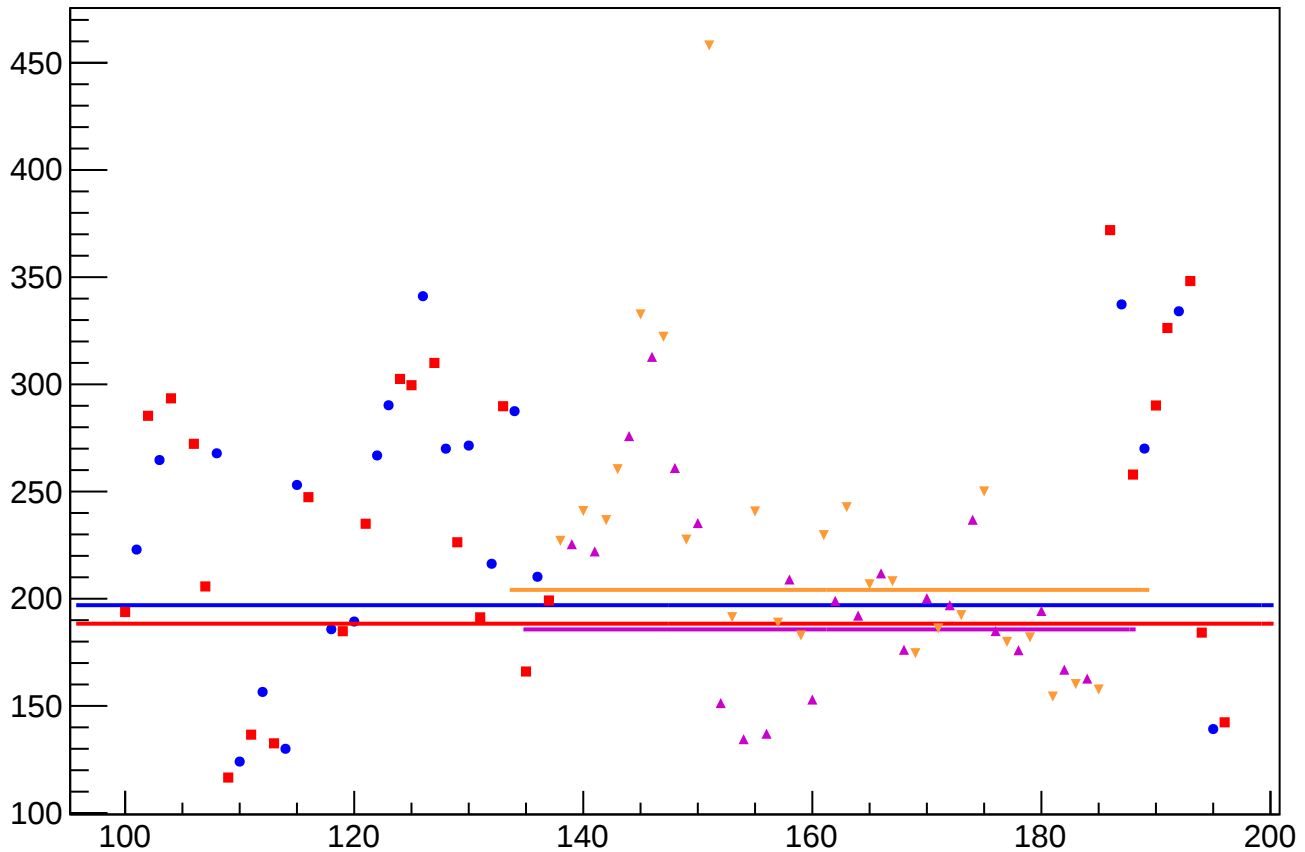
Left In: -37.460 ± 46.479 χ^2/NDF : 7.6/22

+ sign 8.150 ± 40.161 χ^2/NDF : 19.6/45

All: -9.614 ± 27.155 χ^2/NDF : 38.2/94

- sign -24.575 ± 36.857 χ^2/NDF : 18.3/48

asym_bcm_dg_us_rms vs Slug



Right In: 196.985+/-0.049 χ^2/NDF : 1606667.0/20

Left Out: 204.132+/-0.035 χ^2/NDF : 1672287.6/24

Right Out: 188.361+/-0.043 χ^2/NDF : 2345948.0/25

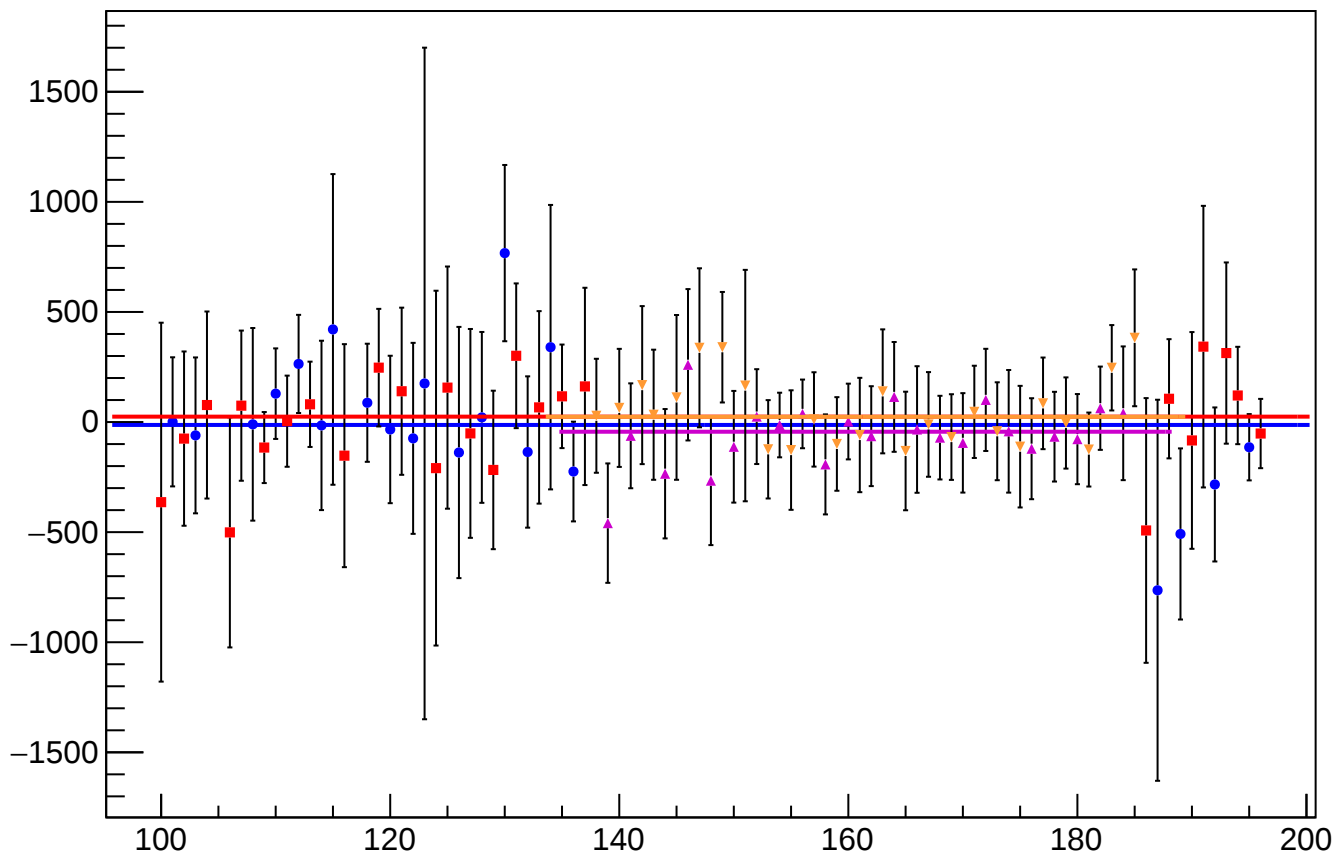
Left In: 185.694+/-0.033 χ^2/NDF : 1447767.0/22

+ sign 201.739+/-0.028 χ^2/NDF : 3293058.6/45

All: 193.567+/-0.019 χ^2/NDF : 7241781.7/94

- sign 186.684+/-0.026 χ^2/NDF : 3796160.8/48

asym_bcm_dg_ds_mean vs Slug



Right In: -13.139 ± 68.592 $\chi^2/\text{NDF}: 11.2/20$

Left Out: 23.843 ± 48.783 $\chi^2/\text{NDF}: 8.5/24$

Right Out: 24.567 ± 59.415 $\chi^2/\text{NDF}: 6.7/25$

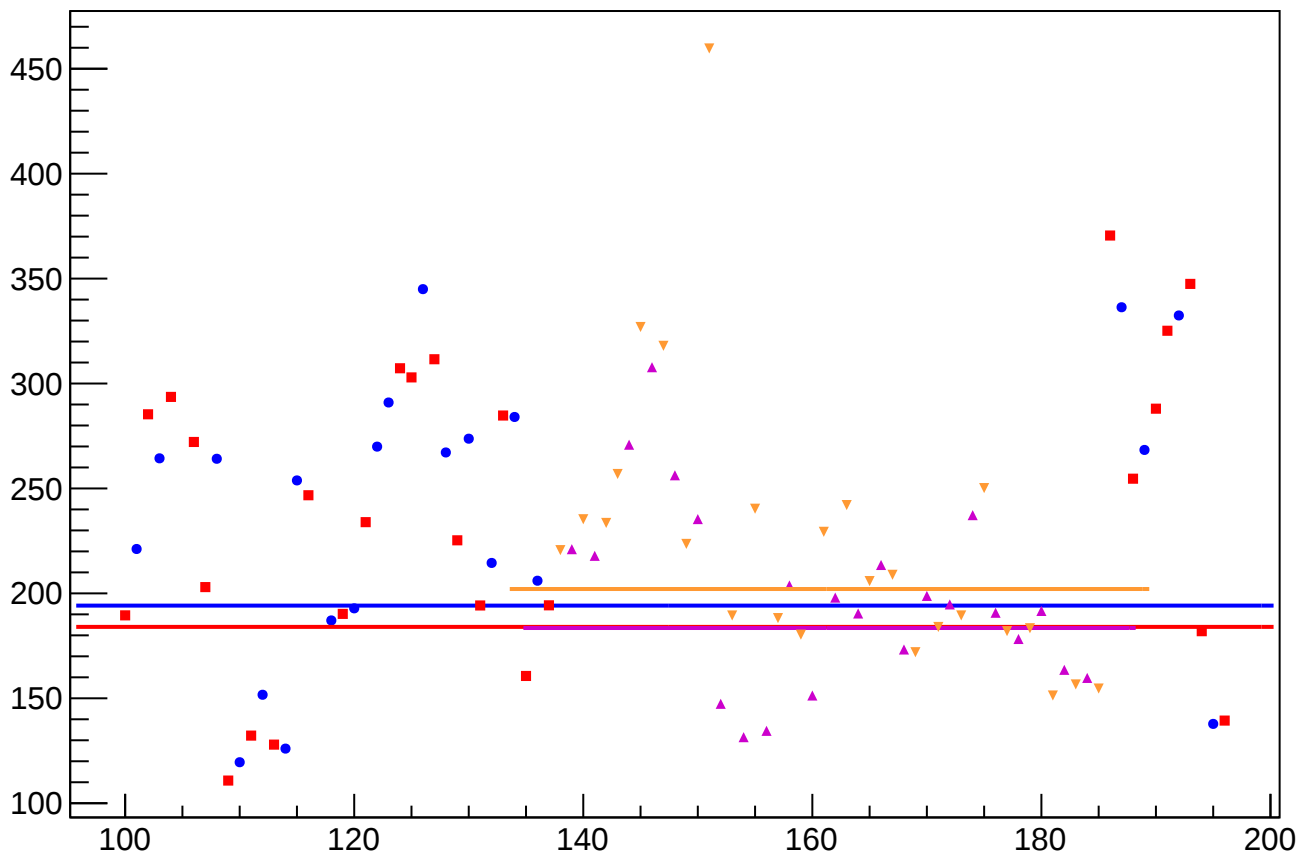
Left In: -43.978 ± 45.981 $\chi^2/\text{NDF}: 6.5/22$

+ sign 11.421 ± 39.754 $\chi^2/\text{NDF}: 19.8/45$

All: -4.763 ± 26.832 $\chi^2/\text{NDF}: 34.2/94$

- sign -18.303 ± 36.363 $\chi^2/\text{NDF}: 14.1/48$

asym_bcm_dg_ds_rms vs Slug



Right In: 194.172 $\pm$ 0.049 χ^2 /NDF: 1690855.3/20

Left Out: 202.081 $\pm$ 0.034 χ^2 /NDF:1692787.9/24

Right Out: 184.033 $\pm$ 0.042 χ^2 /NDF: 2530810.2/25

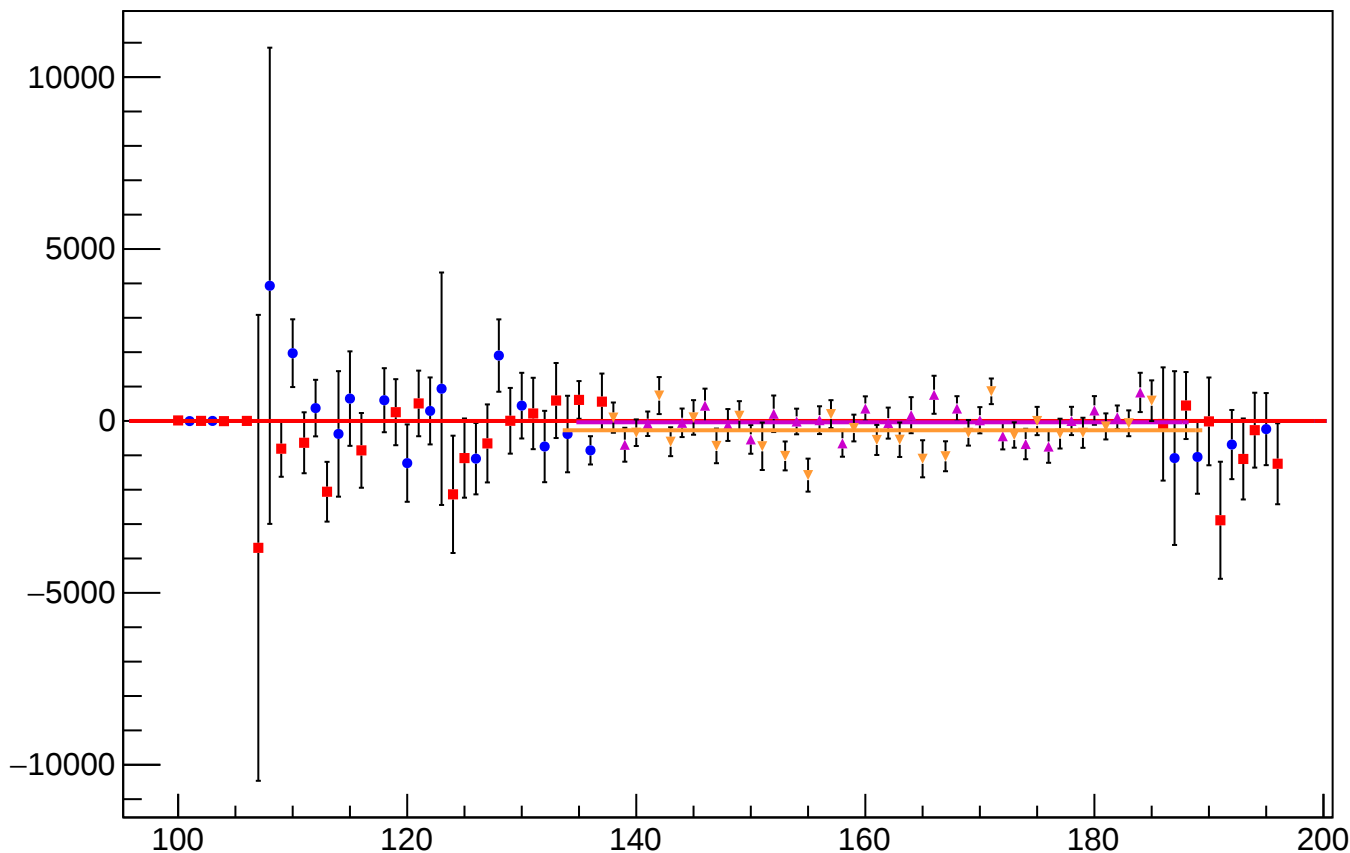
Left In: 183.498 $\pm$ 0.033 χ^2 /NDF:1483383.4/22

+ sign 199.424 $\pm$ 0.028 χ^2 /NDF: 3401301.2/45

All: 190.862 $\pm$ 0.019 χ^2 /NDF: 7585982.0/94

- sign 183.699 $\pm$ 0.026 χ^2 /NDF: 4014295.0/48

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: -0.737 ± 2.111 χ^2/NDF : 24.3/25

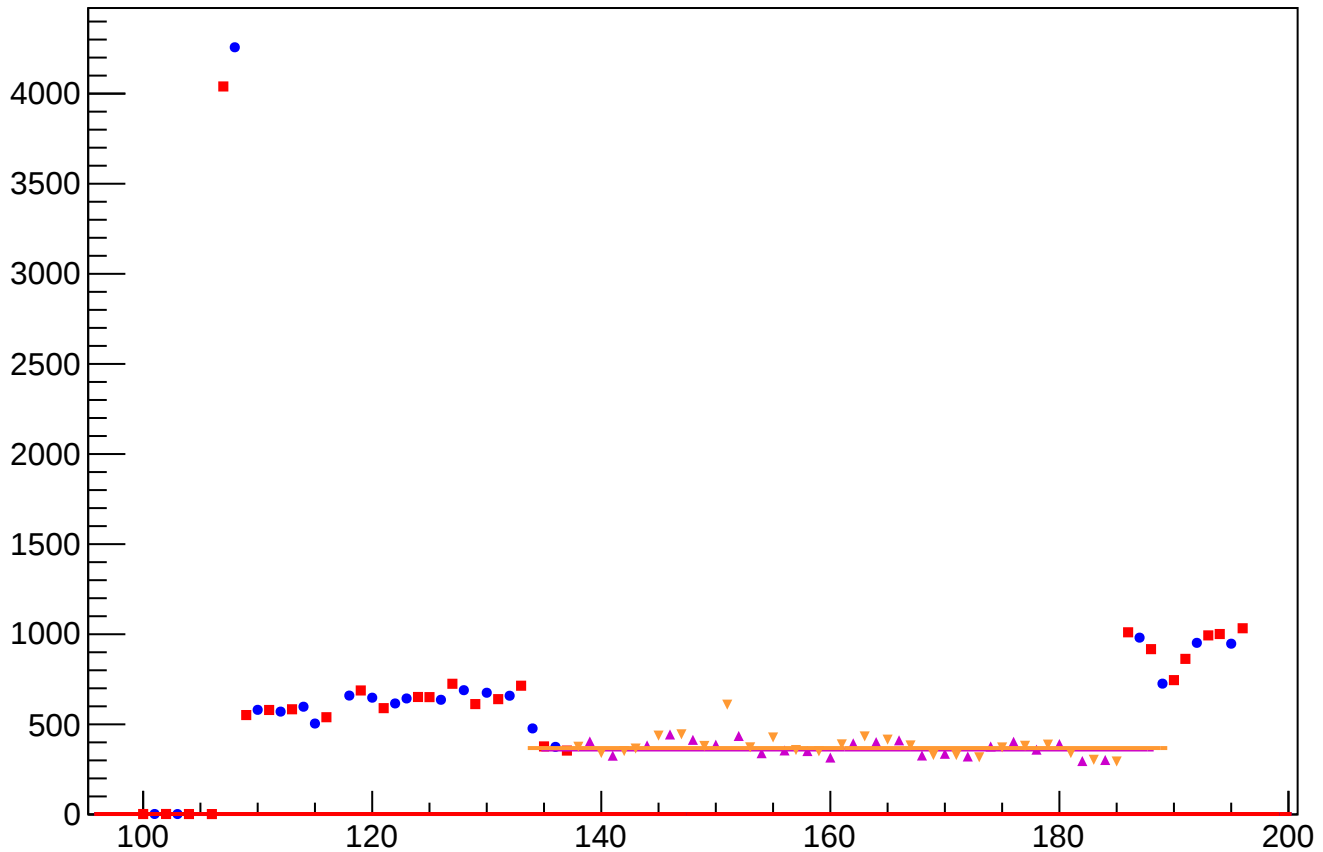
Left In: -39.078 ± 87.769 χ^2/NDF : 20.3/22

+ sign -1.720 ± 2.251 χ^2/NDF : 66.8/45

All: -1.209 ± 1.540 χ^2/NDF : 111.6/94

- sign -0.759 ± 2.110 χ^2/NDF : 44.7/48

asym_cav4bQ_rms vs Slug



Right In: 2.469 ± 0.002 χ^2/NDF : 15429933.2/20

Left Out: 368.397 ± 0.061 χ^2/NDF : 622466.1/24

Right Out: 2.456 ± 0.001 χ^2/NDF : 19434170.7/25

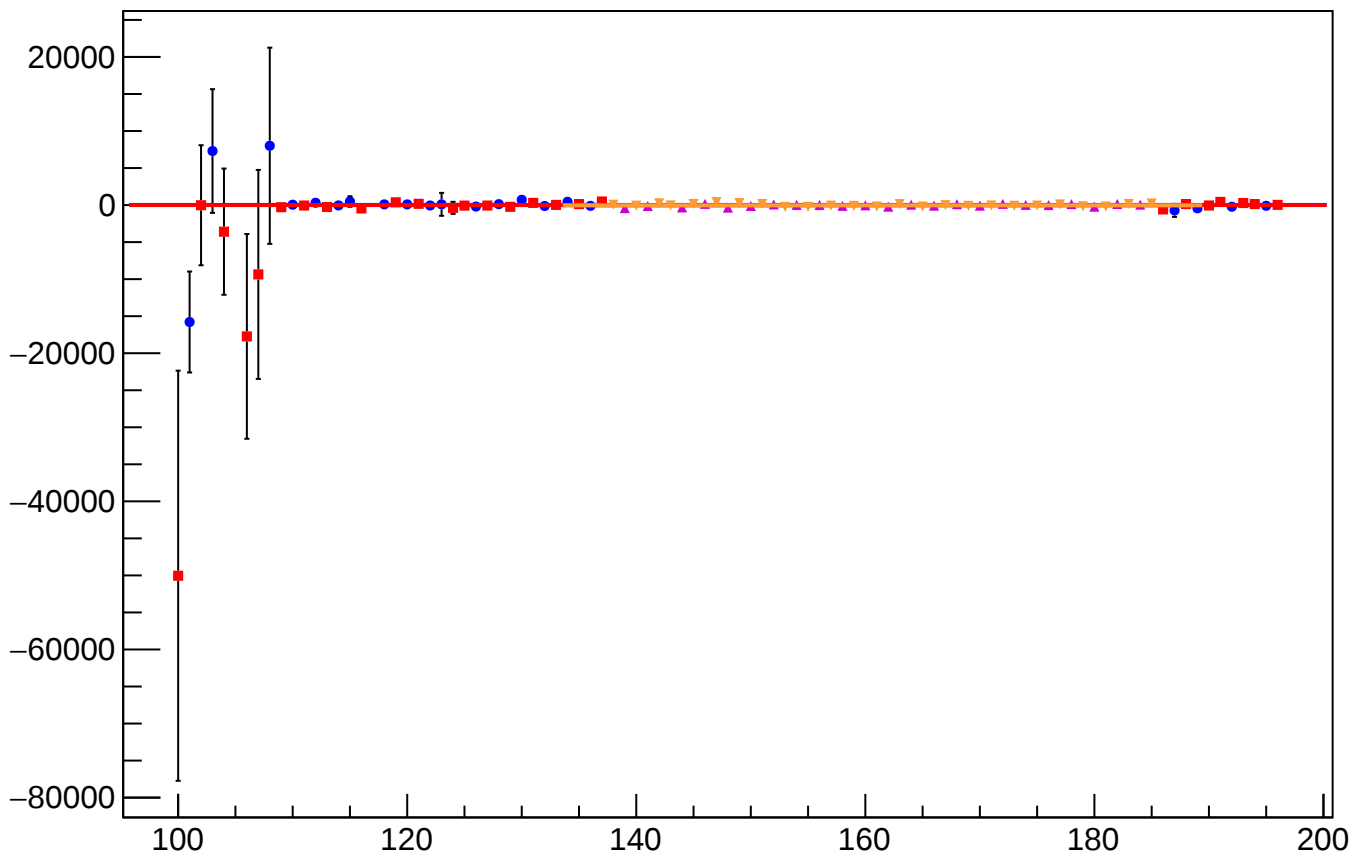
Left In: 360.408 ± 0.062 χ^2/NDF : 417739.4/22

+ sign 2.715 ± 0.002 χ^2/NDF : 51437224.9/45

All: 2.687 ± 0.001 χ^2/NDF : 104535871.7/94

- sign 2.663 ± 0.001 χ^2/NDF : 53098089.7/48

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: 2.678+/-67.881 χ^2/NDF : 16.7/25

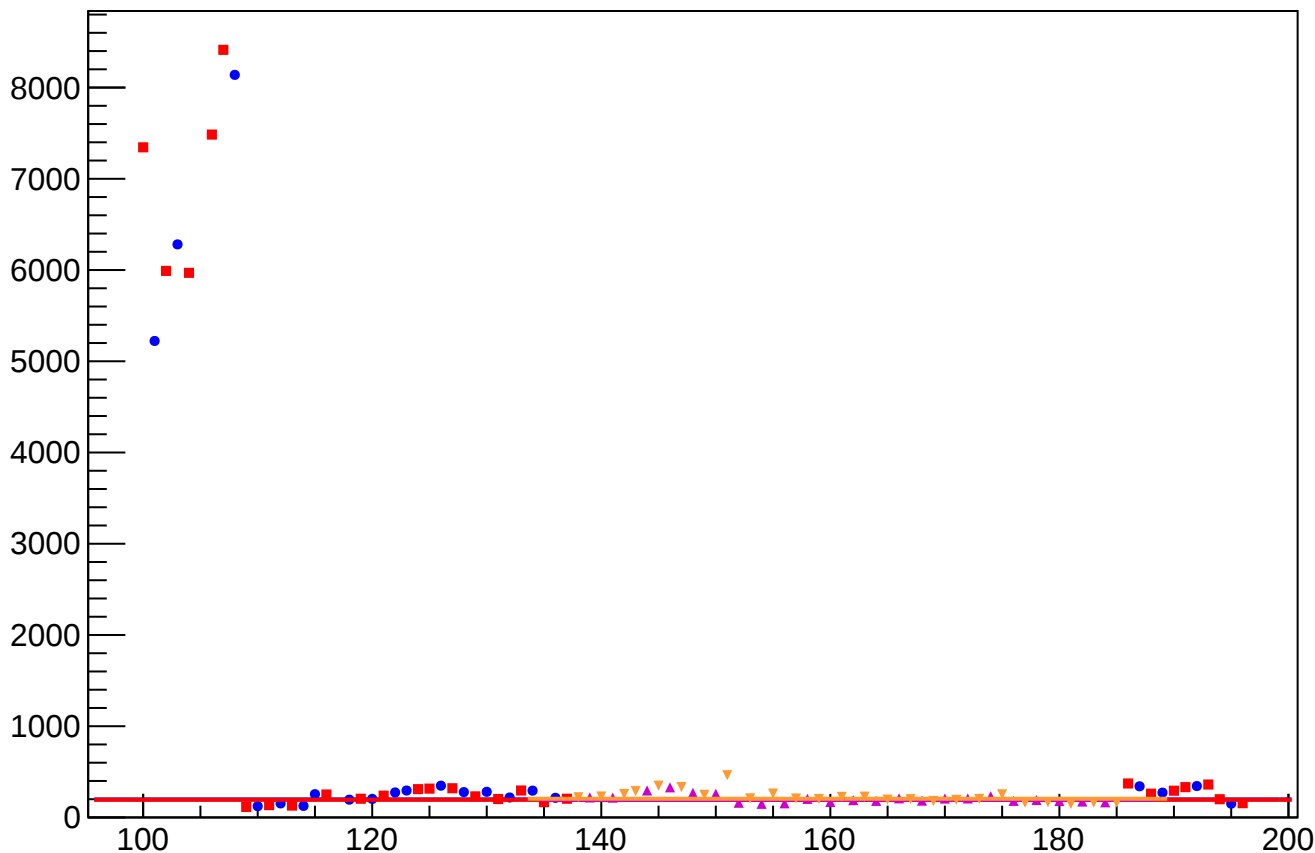
Left In: -28.205+/-48.167 χ^2/NDF : 9.2/22

+ sign -21.330+/-41.583 χ^2/NDF : 25.5/45

All: -19.498+/-28.555 χ^2/NDF : 51.4/94

- sign -17.863+/-39.282 χ^2/NDF : 26.0/48

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: 193.514 $\pm$ 0.048 χ^2 /NDF: 5226175.6/25

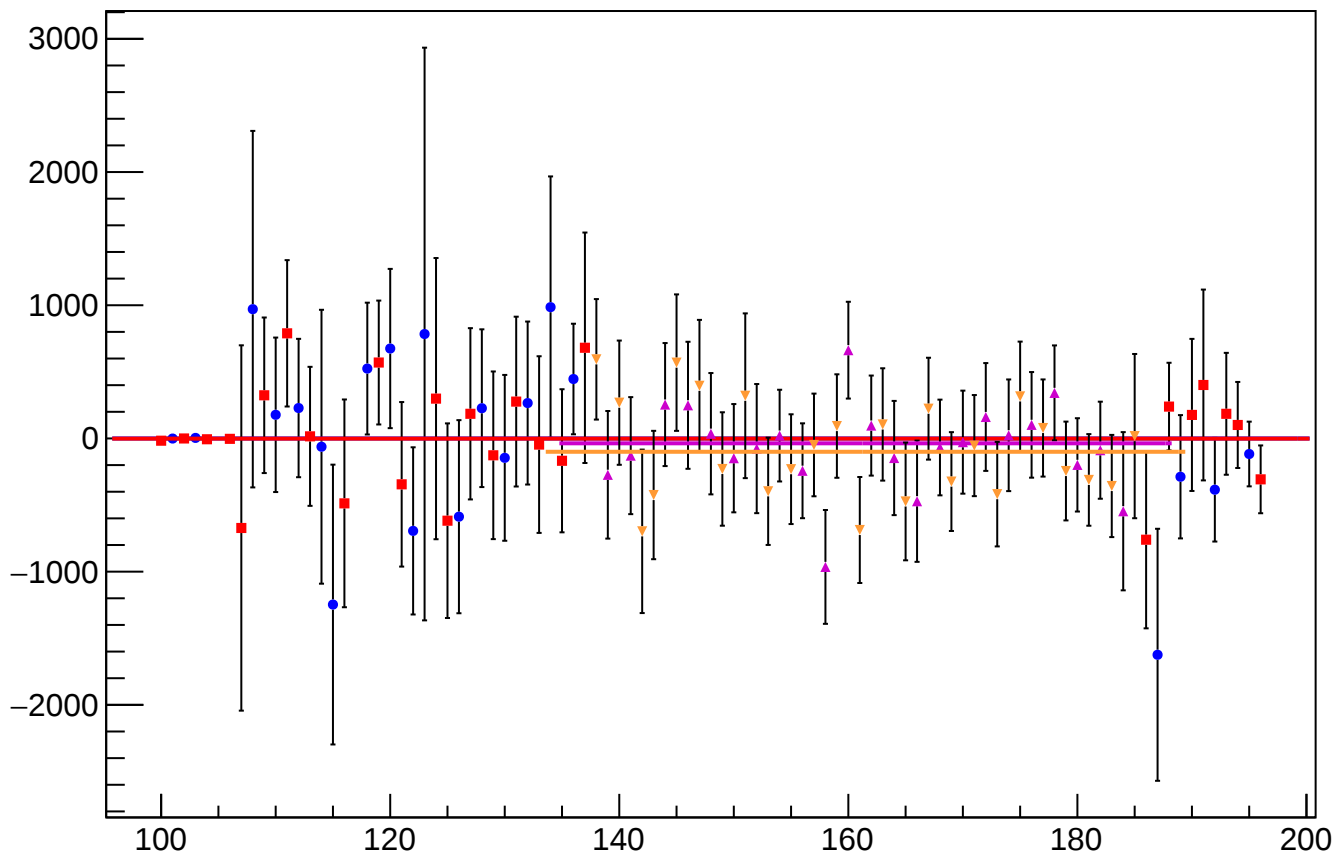
Left In: 193.405 $\pm$ 0.034 χ^2 /NDF:1172169.3/22

+ sign 202.909 $\pm$ 0.029 χ^2 /NDF: 6274729.9/45

All: 197.906 $\pm$ 0.020 χ^2 /NDF: 12727867.9/94

- sign 193.441 $\pm$ 0.028 χ^2 /NDF: 6398348.3/48

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: -1.325 ± 1.622 χ^2/NDF : 13.3/25

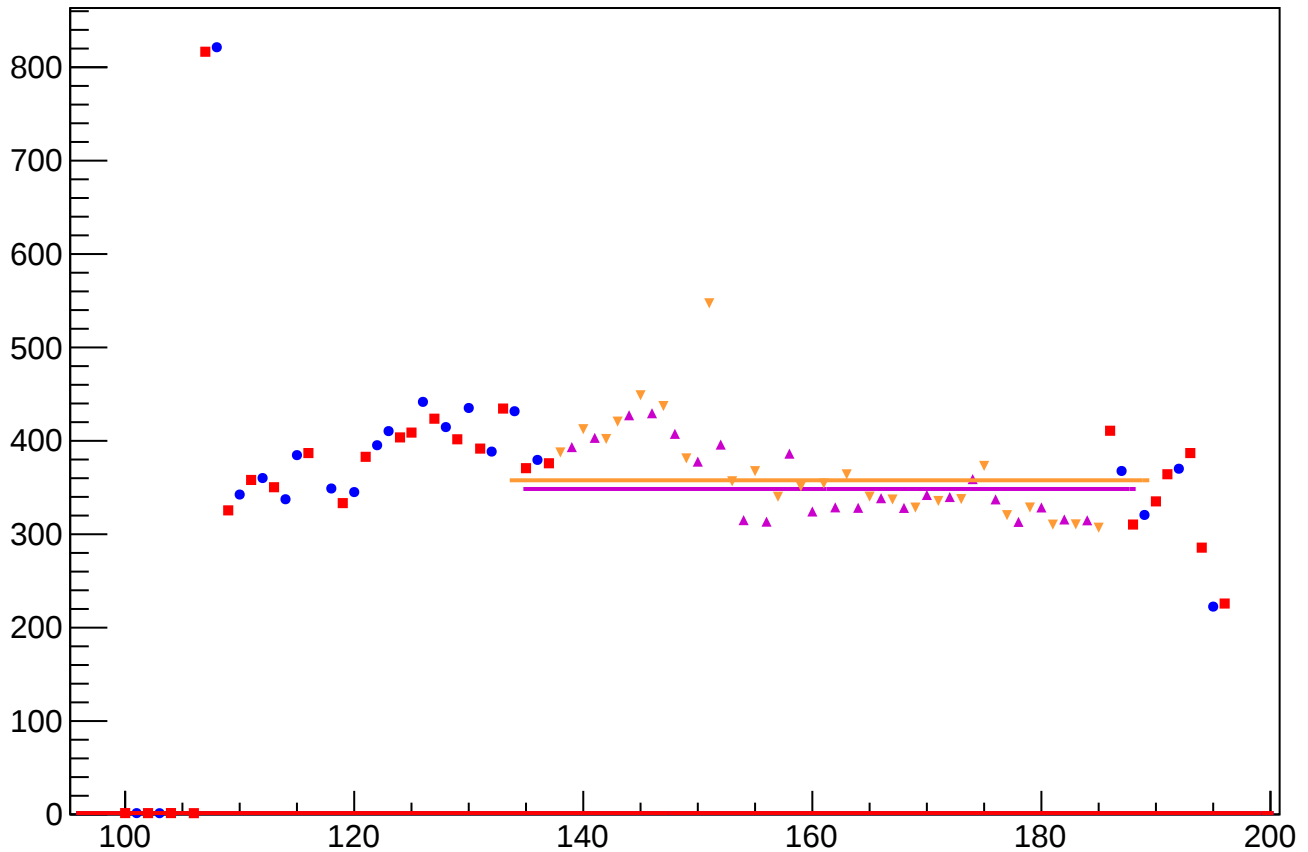
Left In: -36.497 ± 84.675 χ^2/NDF : 13.5/22

+ sign -0.205 ± 1.736 χ^2/NDF : 31.7/45

All: -0.810 ± 1.185 χ^2/NDF : 59.0/94

- sign -1.338 ± 1.622 χ^2/NDF : 27.0/48

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: 1.487 $\pm$ 0.001 χ^2 /NDF: 19077087.2/25

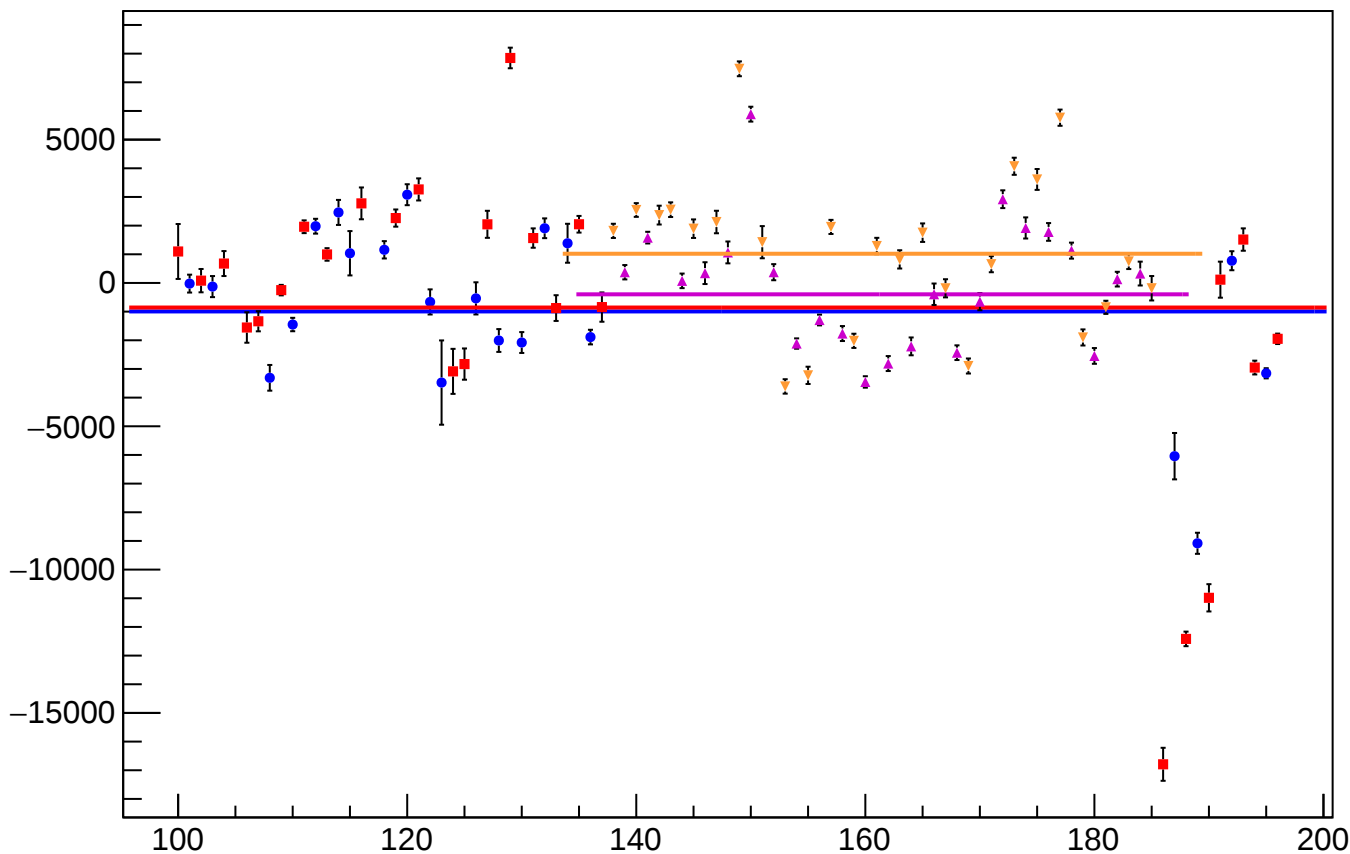
Left In: 348.464 $\pm$ 0.060 χ^2 /NDF: 360425.7/22

+ sign 1.628 $\pm$ 0.001 χ^2 /NDF: 51970383.1/45

All: 1.621 $\pm$ 0.001 χ^2 /NDF: 104978630.8/94

- sign 1.614 $\pm$ 0.001 χ^2 /NDF: 53008172.2/48

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: -857.214 ± 64.281 $\chi^2/\text{NDF}: 4772.7/25$

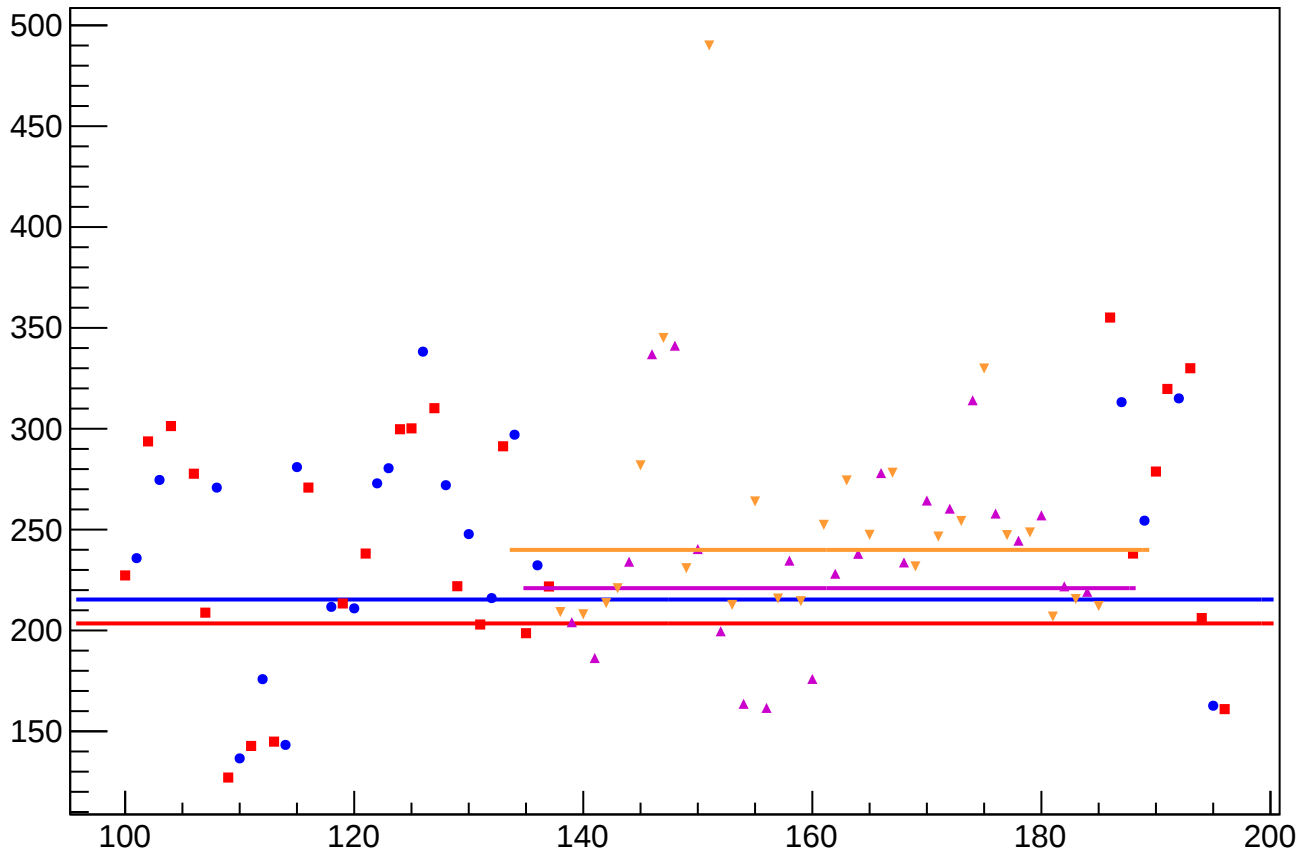
Left In: -396.609 ± 55.090 $\chi^2/\text{NDF}: 1581.0/22$

+ sign 270.949 ± 45.502 $\chi^2/\text{NDF}: 4002.4/45$

All: -196.559 ± 30.795 $\chi^2/\text{NDF}: 10580.4/94$

- sign -591.656 ± 41.830 $\chi^2/\text{NDF}: 6383.3/48$

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: 203.479 $\pm$ 0.045 χ^2 /NDF: 1820960.9/25

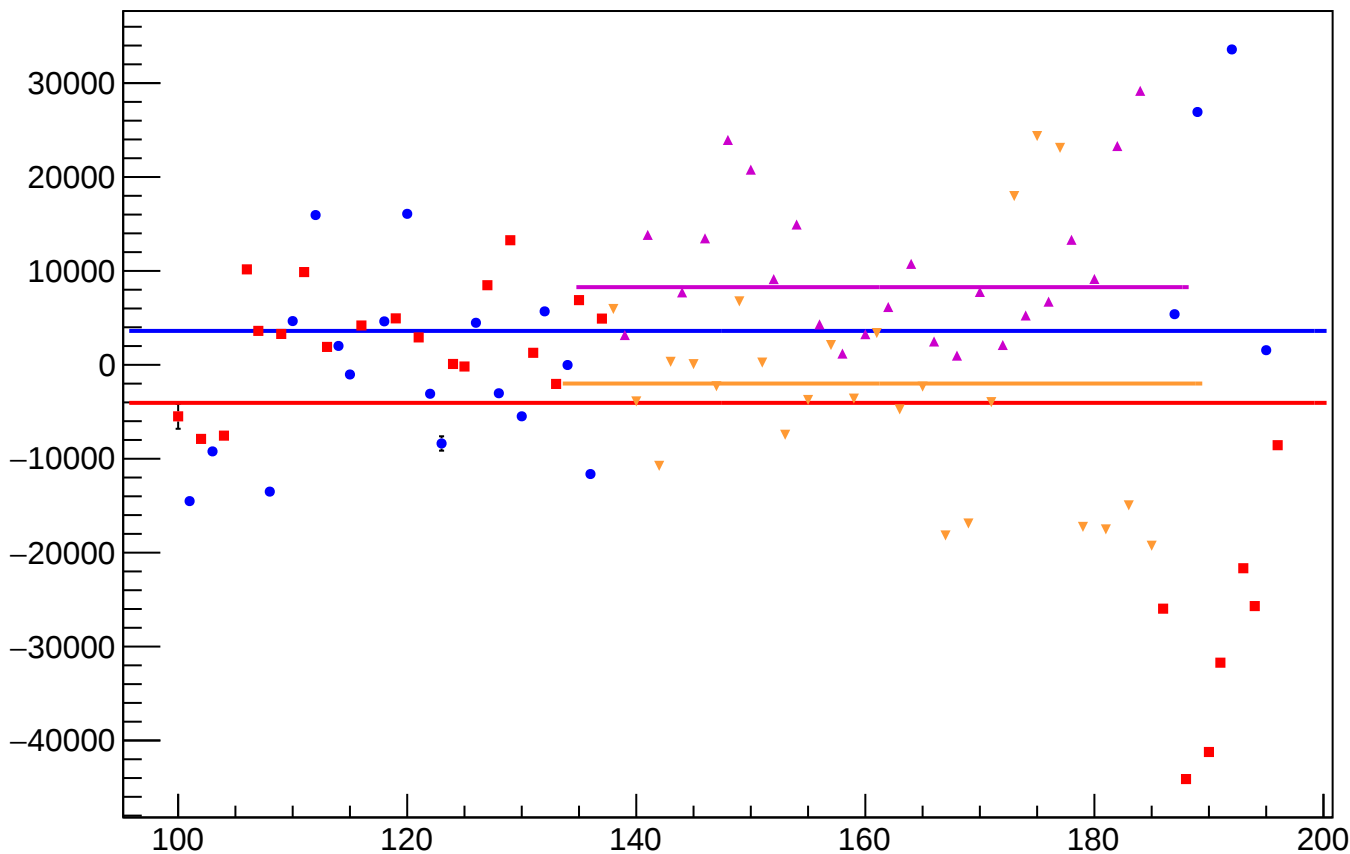
Left In: 220.972 $\pm$ 0.039 χ^2 /NDF:1327680.6/22

+ sign 230.799 $\pm$ 0.032 χ^2 /NDF: 2208135.2/45

All: 221.458 $\pm$ 0.022 χ^2 /NDF: 5597667.1/94

- sign 213.564 $\pm$ 0.030 χ^2 /NDF: 3234025.7/48

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: -4049.137+/-44.802 χ^2/NDF : 126987.7/25

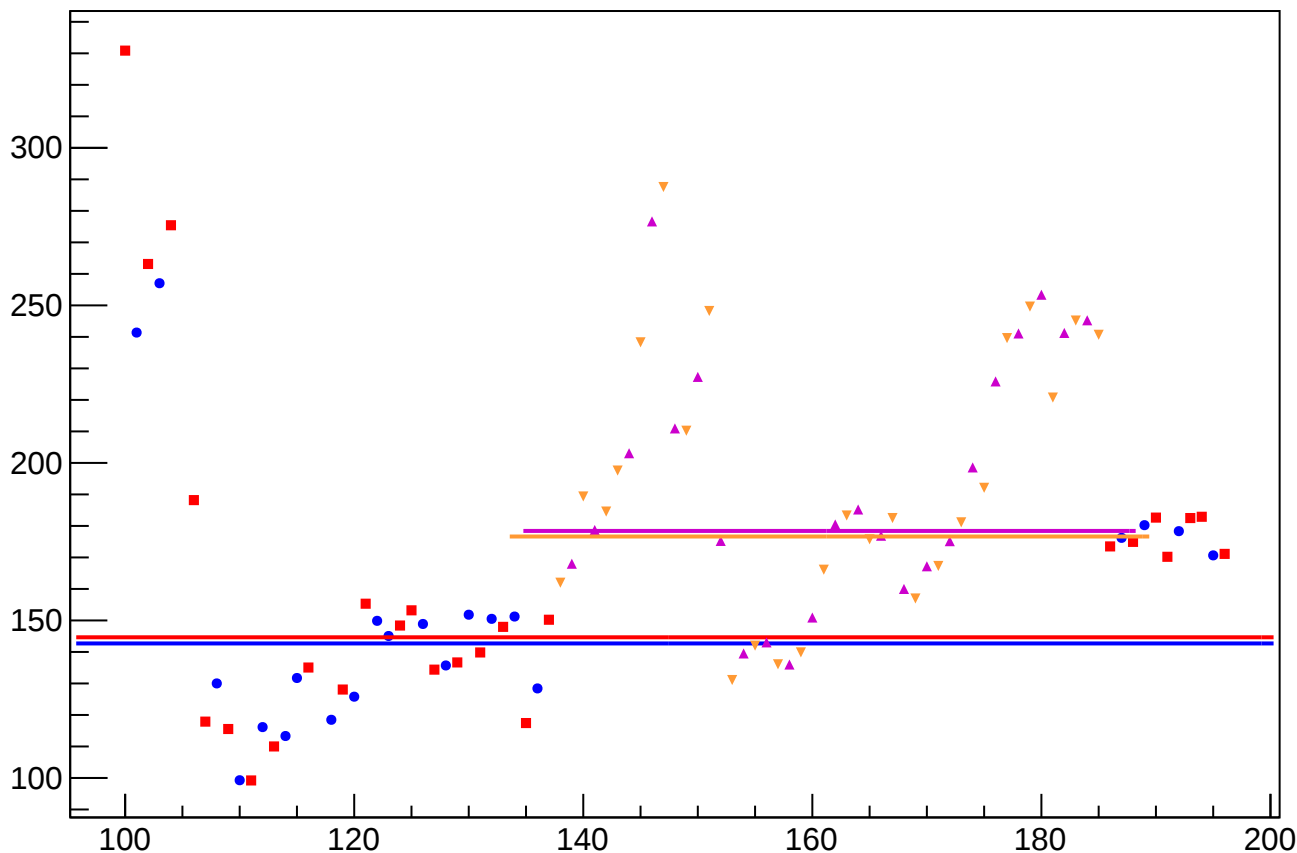
Left In: 8273.228+/-44.301 χ^2/NDF : 22870.2/22

+ sign 382.178+/-32.210 χ^2/NDF : 139258.1/45

All: 1301.782+/-22.521 χ^2/NDF : 328959.2/94

- sign 2181.343+/-31.501 χ^2/NDF : 188106.5/48

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: 144.652 $\pm$ 0.032 χ^2 /NDF: 1221837.7/25

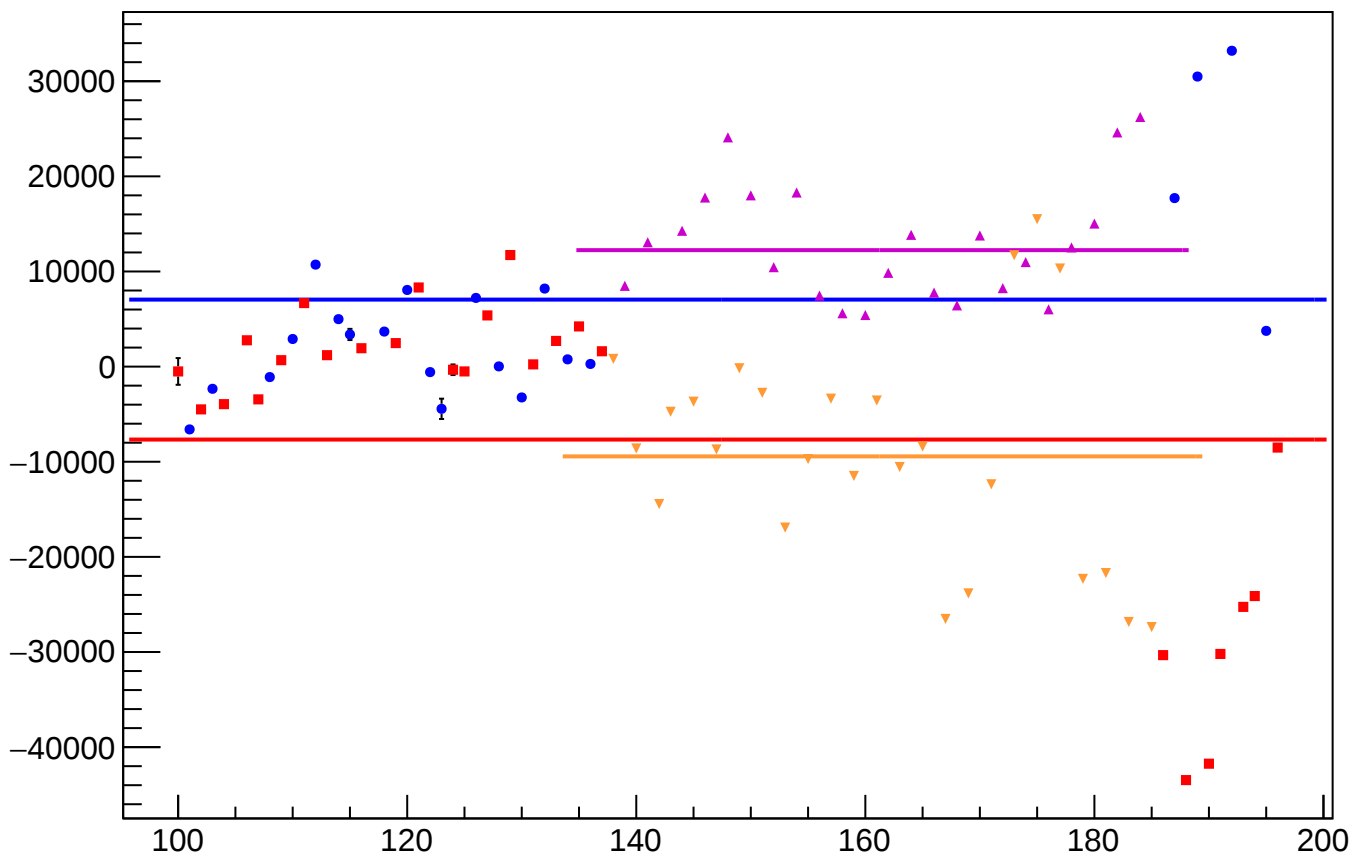
Left In: 178.413 $\pm$ 0.031 χ^2 /NDF:1293736.2/22

+ sign 162.263 $\pm$ 0.023 χ^2 /NDF: 2958115.5/45

All: 161.987 $\pm$ 0.016 χ^2 /NDF: 6048205.1/94

- sign 161.723 $\pm$ 0.022 χ^2 /NDF: 3089802.2/48

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: -7667.264+/-53.252 χ^2/NDF : 95981.8/25

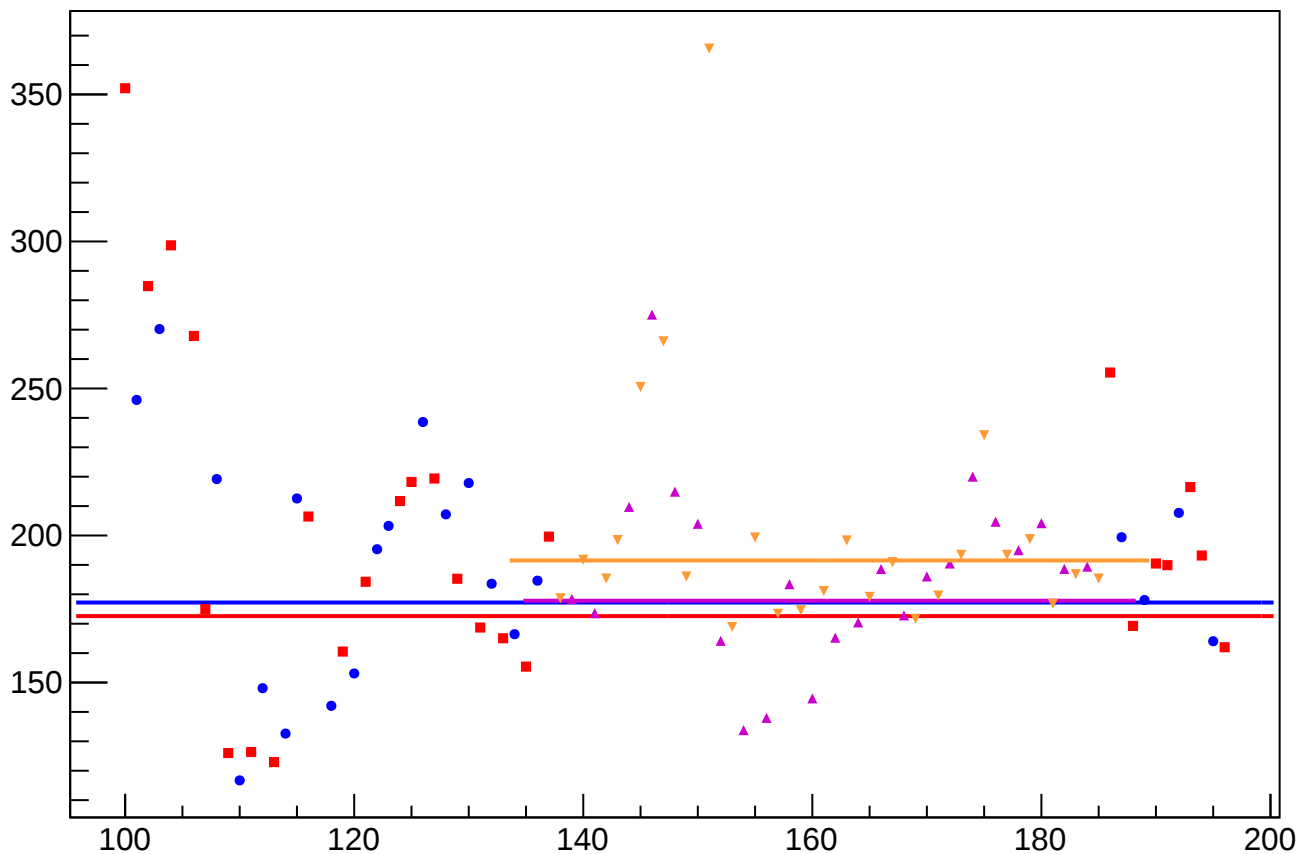
Left In: 12242.226+/-43.944 χ^2/NDF : 16615.8/22

+ sign -3526.319+/-36.466 χ^2/NDF : 140169.5/45

All: 606.416+/-24.826 χ^2/NDF : 359861.1/94

- sign 4176.741+/-33.894 χ^2/NDF : 195751.6/48

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: 172.584 $\pm$ 0.038 χ^2 /NDF: 1119819.8/25

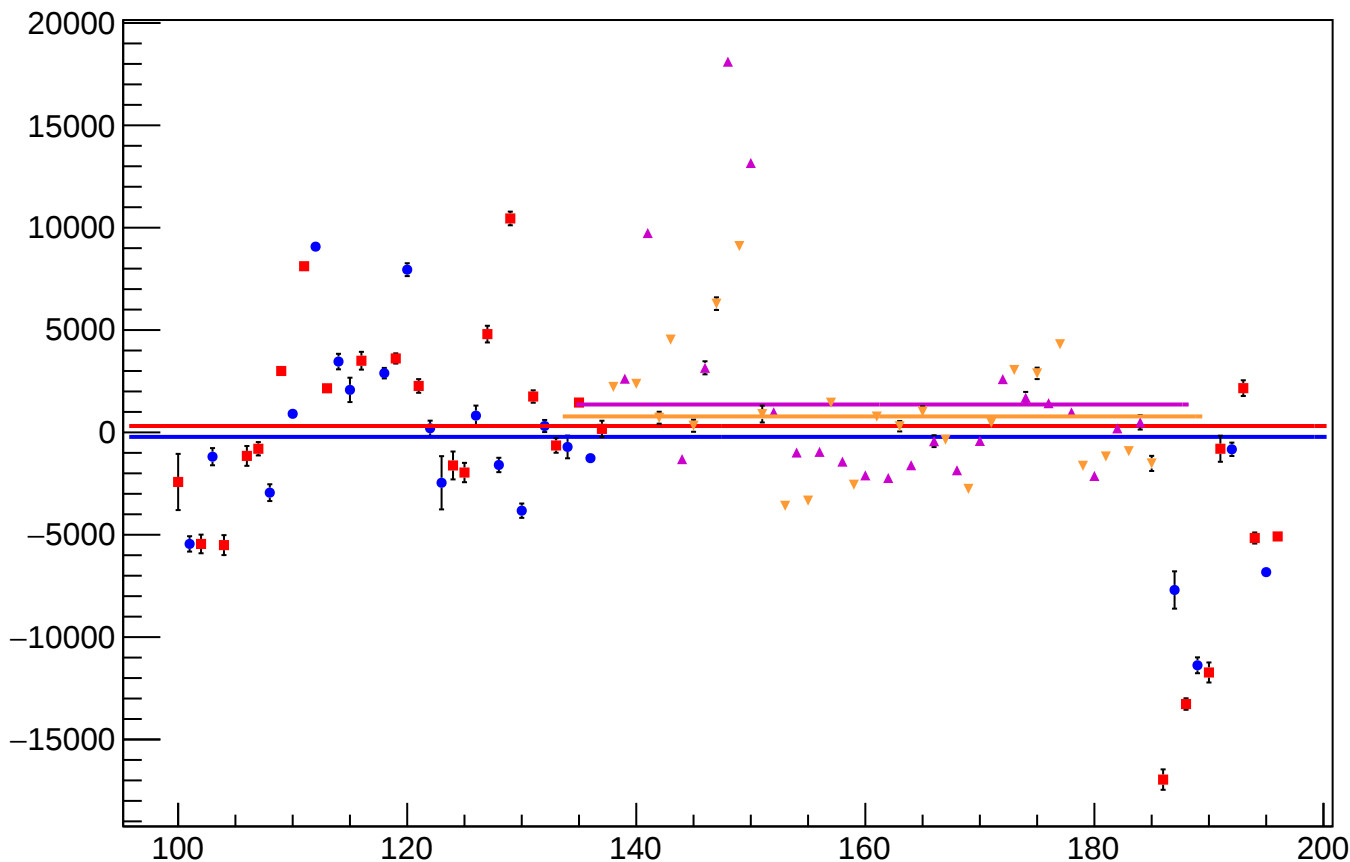
Left In: 177.821 $\pm$ 0.031 χ^2 /NDF: 862494.4/22

+ sign 186.378 $\pm$ 0.026 χ^2 /NDF: 1540282.3/45

All: 180.649 $\pm$ 0.018 χ^2 /NDF: 3626121.0/94

- sign 175.700 $\pm$ 0.024 χ^2 /NDF: 1993823.6/48

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: 312.459 ± 60.525 χ^2/NDF : 9002.5/25

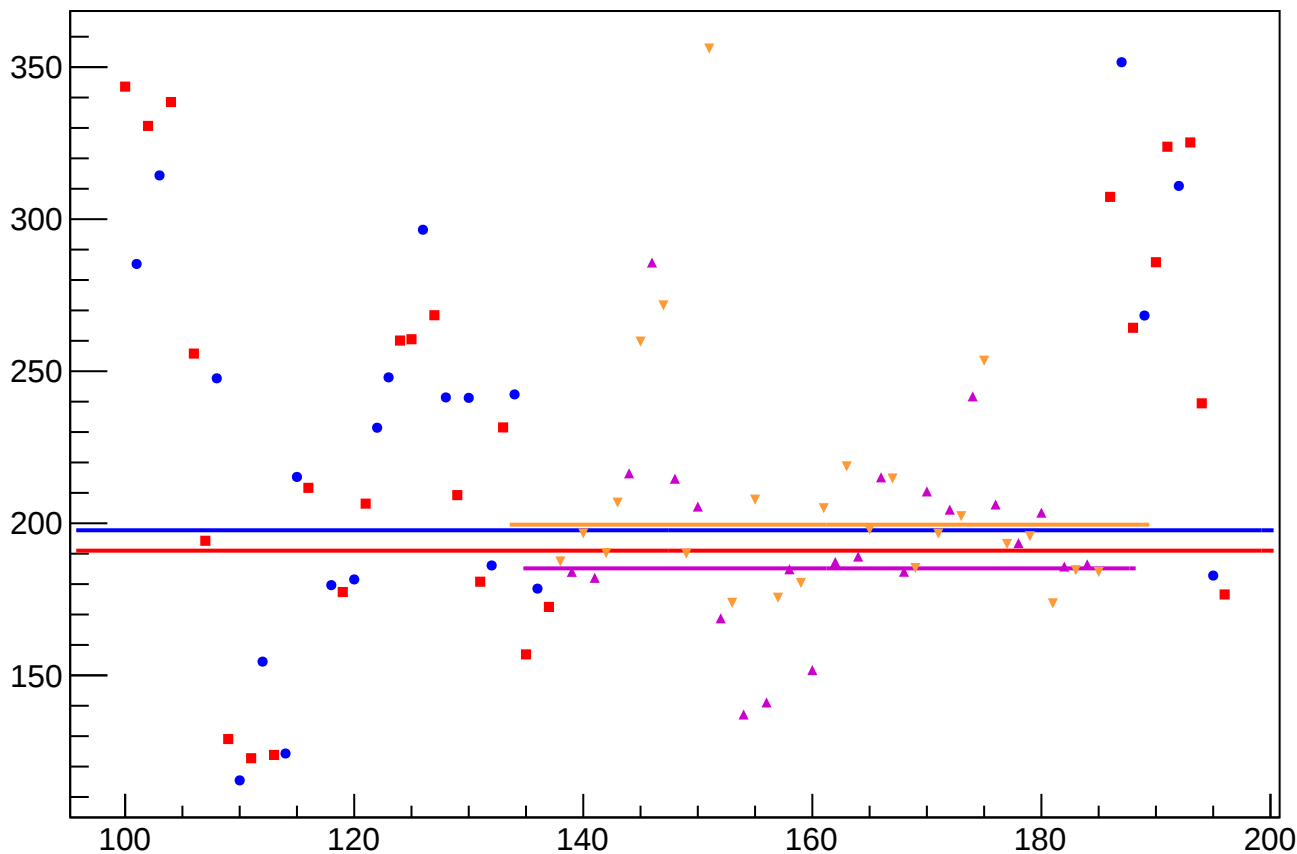
Left In: 1363.043 ± 45.807 χ^2/NDF : 11632.9/22

+ sign 459.730 ± 39.117 χ^2/NDF : 9433.4/45

All: 737.903 ± 26.696 χ^2/NDF : 30355.0/94

- sign 980.438 ± 36.525 χ^2/NDF : 20826.9/48

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: 191.002 $\pm$ 0.043 χ^2 /NDF: 2124066.6/25

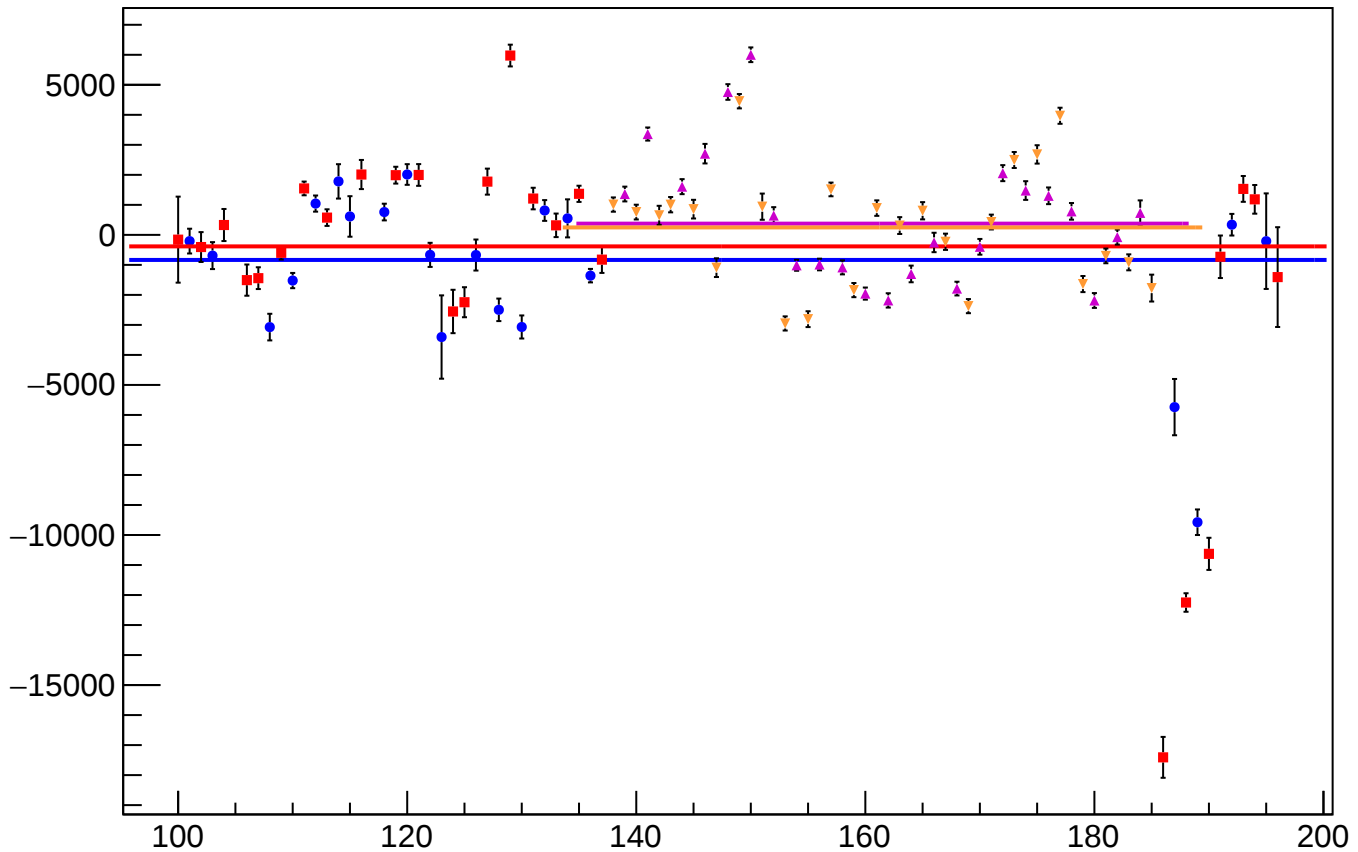
Left In: 185.171 $\pm$ 0.032 χ^2 /NDF: 882752.2/22

+ sign 198.955 $\pm$ 0.028 χ^2 /NDF: 2103232.4/45

All: 192.726 $\pm$ 0.019 χ^2 /NDF: 5216799.0/94

- sign 187.294 $\pm$ 0.026 χ^2 /NDF: 3018624.3/48

asym_bpm0i07WS_mean vs Slug



Right In: -835.188 $\pm$ 84.038 χ^2 /NDF: 759.6/20

Left Out: 247.844 $\pm$ 53.555 χ^2 /NDF:1355.1/24

Right Out: -383.667 $\pm$ 75.340 χ^2 /NDF: 3162.2/25

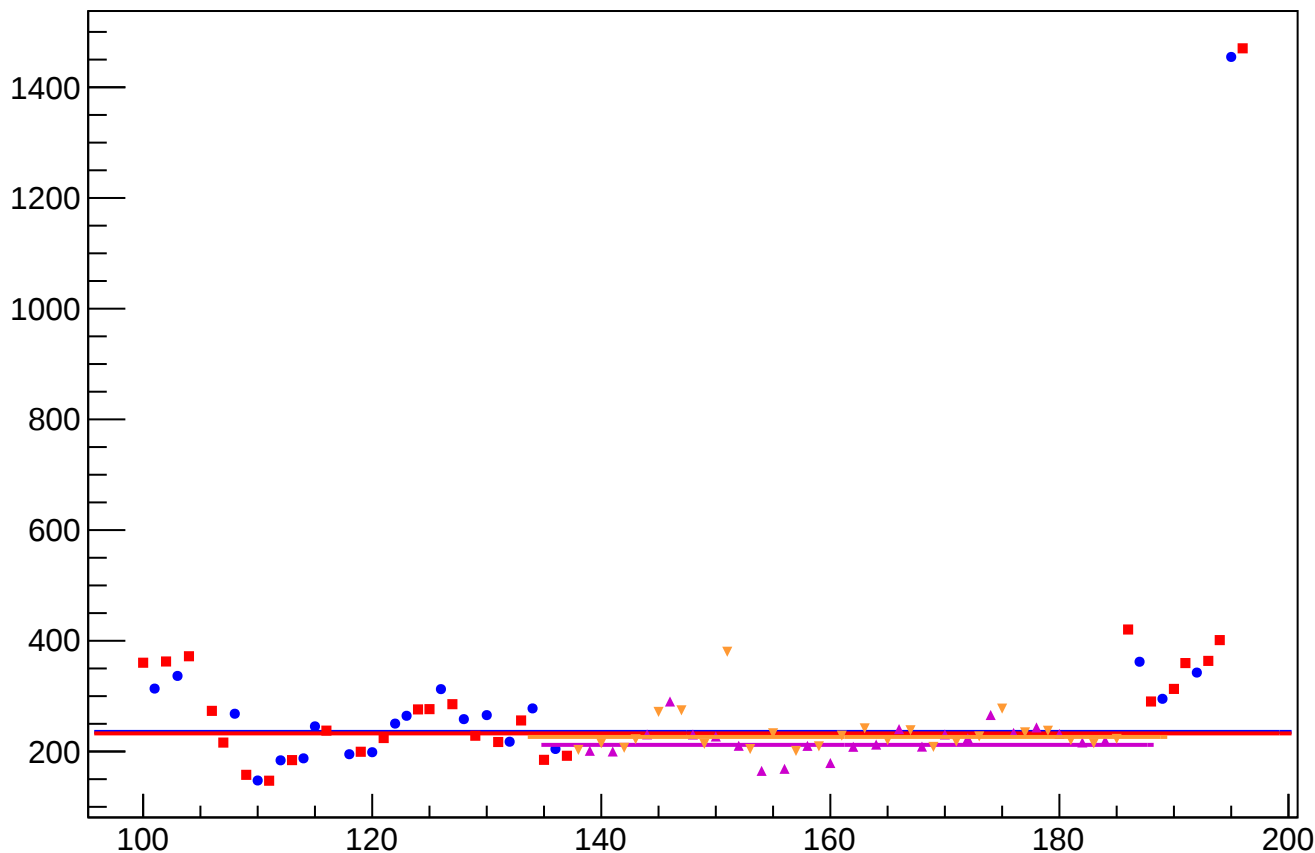
Left In: 374.122 $\pm$ 52.049 χ^2 /NDF:1801.0/22

+ sign -64.955 $\pm$ 45.164 χ^2 /NDF: 2232.8/45

All: 37.332 $\pm$ 31.075 χ^2 /NDF: 7274.2/94

- sign 129.293 $\pm$ 42.823 χ^2 /NDF: 5031.7/48

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: 232.680 $\pm$ 0.053 χ^2 /NDF: 2913252.4/25

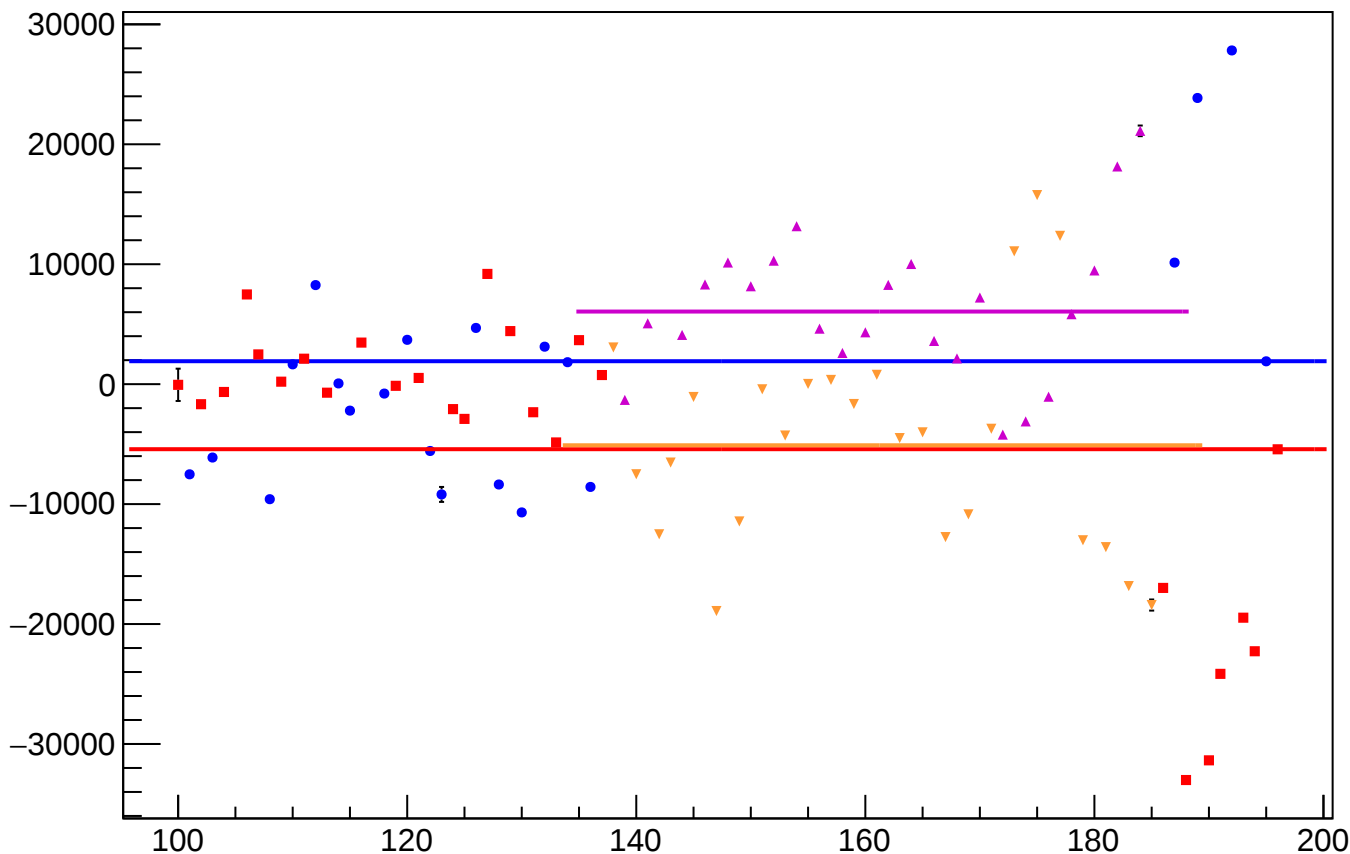
Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

+ sign 228.937 $\pm$ 0.032 χ^2 /NDF: 2659620.9/45

All: 223.526 $\pm$ 0.022 χ^2 /NDF: 6314037.1/94

- sign 218.661 $\pm$ 0.030 χ^2 /NDF: 3599895.6/48

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: -5422.762+/-37.754 χ^2/NDF : 99652.5/25

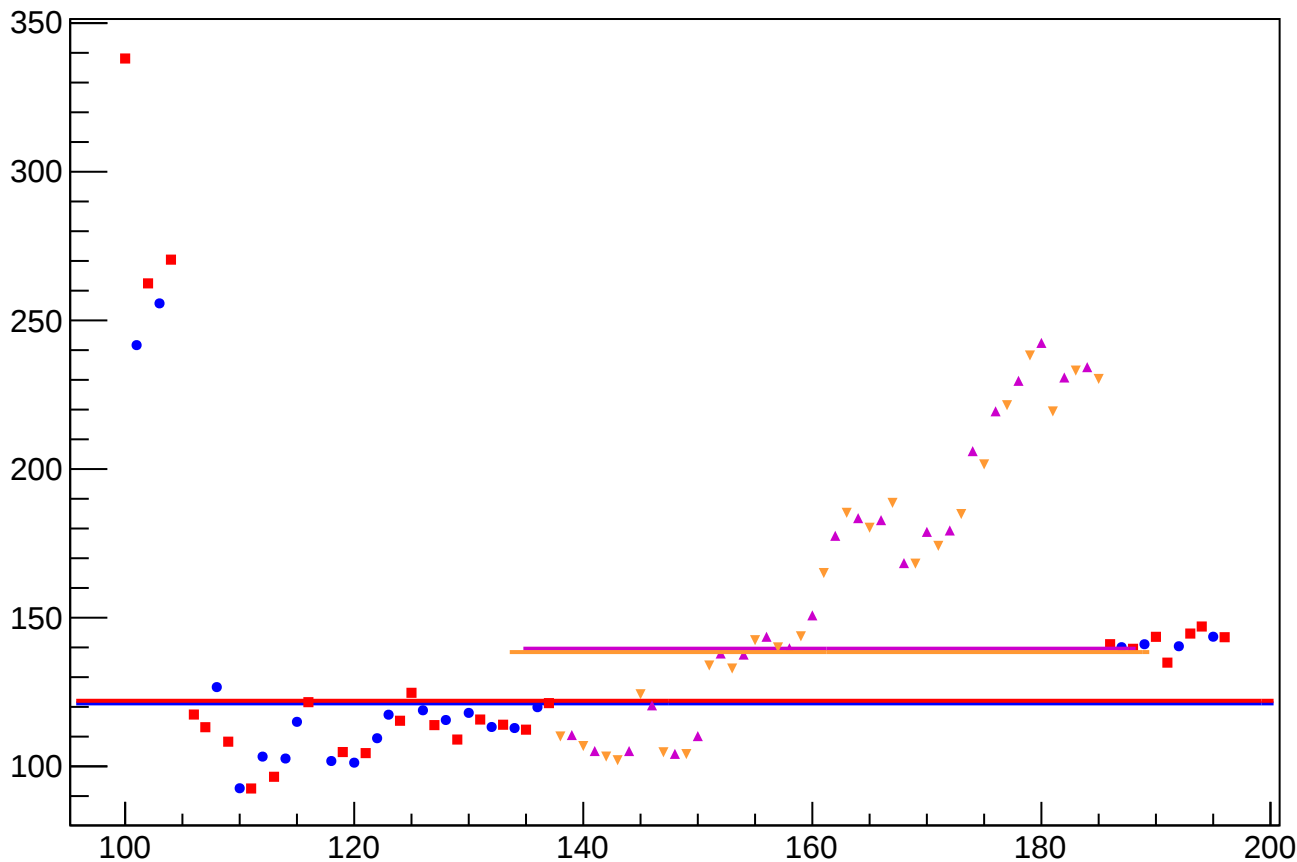
Left In: 6053.569+/-34.998 χ^2/NDF : 17590.3/22

+ sign -2362.376+/-26.325 χ^2/NDF : 137544.6/45

All: -767.016+/-18.377 χ^2/NDF : 311647.3/94

- sign 749.558+/-25.666 χ^2/NDF : 166938.6/48

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: 122.058+/-0.027 χ^2/NDF : 1050050.8/25

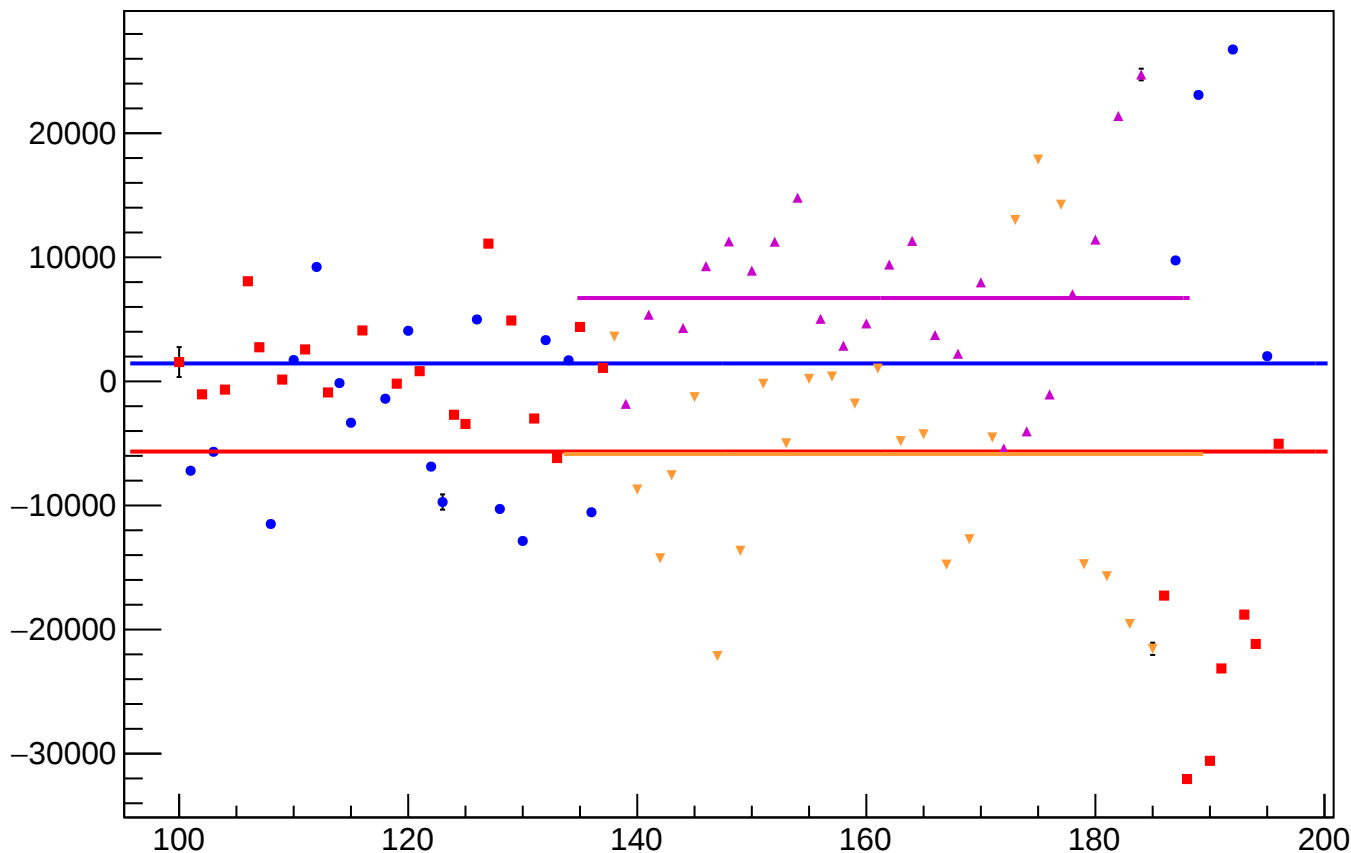
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 131.706+/-0.019 χ^2/NDF : 3622541.9/45

All: 131.590+/-0.013 χ^2/NDF : 7317958.0/94

- sign 131.481+/-0.018 χ^2/NDF : 3695341.2/48

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: -5653.234+/-38.292 χ^2/NDF : 99903.6/25

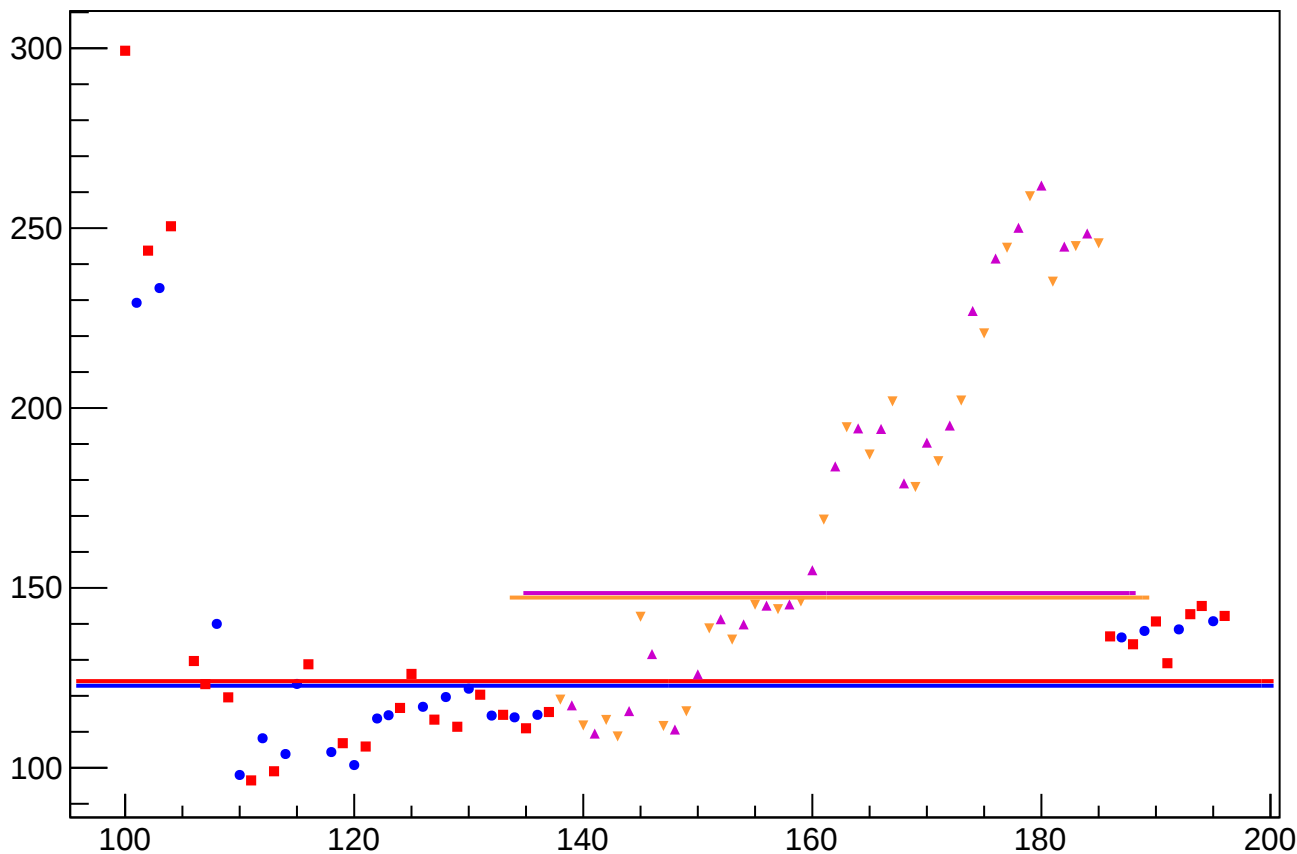
Left In: 6718.475+/-37.276 χ^2/NDF : 20934.3/22

+ sign -2827.407+/-27.456 χ^2/NDF : 151859.2/45

All: -1015.596+/-19.145 χ^2/NDF : 334769.1/9

- sign 699.035+/-26.710 χ^2/NDF : 174434.5/48

asym_bpm2i01WS_rms vs Slug



Right In: 122.815 $\pm$ 0.030 χ^2 /NDF: 719278.9/20

Left Out: 147.317 $\pm$ 0.025 χ^2 /NDF: 2511679.9/24

Right Out: 124.096 $\pm$ 0.027 χ^2 /NDF: 849054.2/25

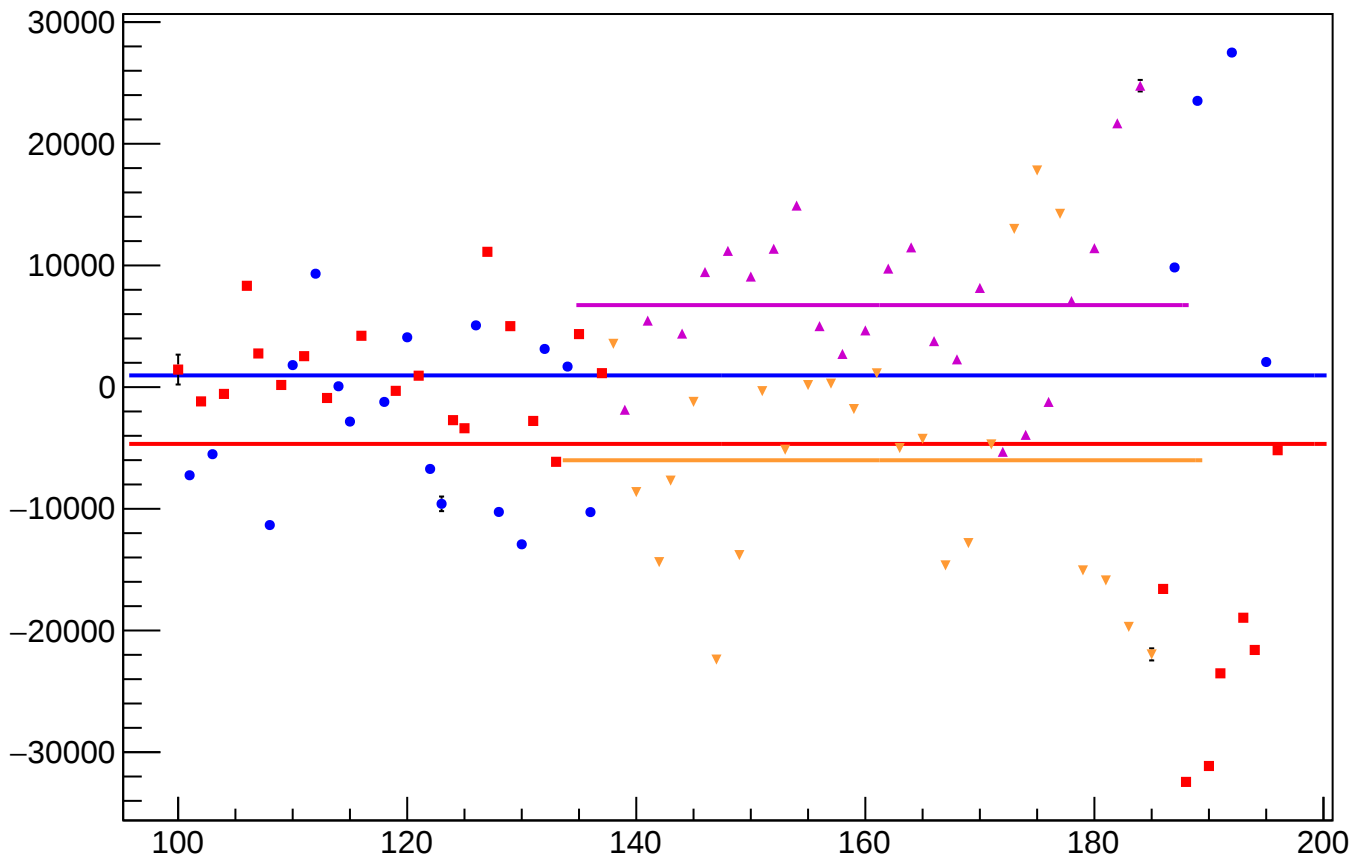
Left In: 148.569 $\pm$ 0.026 χ^2 /NDF: 2393185.0/22

+ sign 137.163 $\pm$ 0.019 χ^2 /NDF: 3617466.3/45

All: 136.905 $\pm$ 0.014 χ^2 /NDF: 7279492.4/94

- sign 136.661 $\pm$ 0.019 χ^2 /NDF: 3661682.6/48

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: -4666.091 ± 37.761 $\chi^2/\text{NDF}: 94960.7/25$

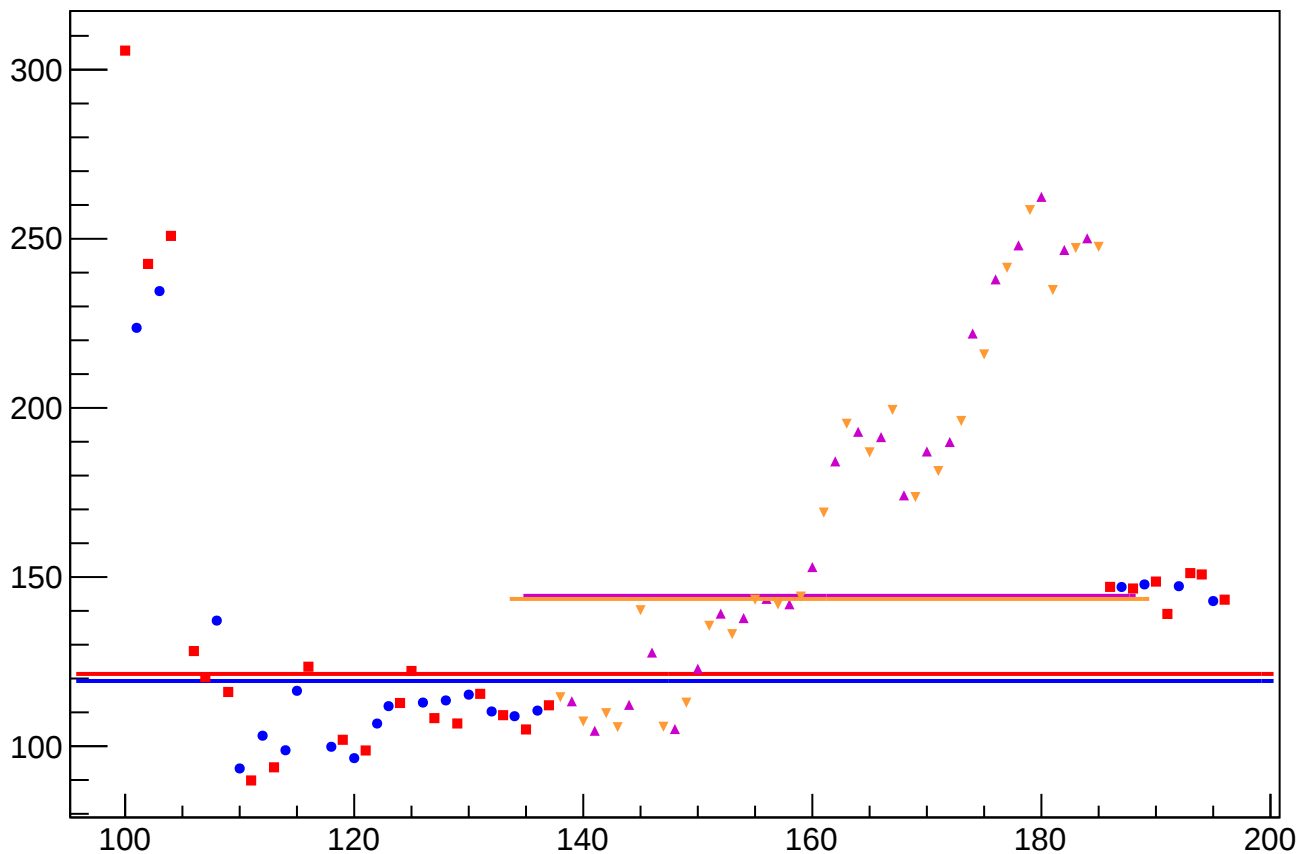
Left In: 6740.666 ± 36.379 $\chi^2/\text{NDF}: 22071.8/22$

+ sign -3120.075 ± 26.846 $\chi^2/\text{NDF}: 154112.6/45$

All: -881.815 ± 18.750 $\chi^2/\text{NDF}: 332041.2/94$

- sign 1249.805 ± 26.199 $\chi^2/\text{NDF}: 164357.7/48$

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: 121.358+/-0.027 χ^2/NDF : 1128248.5/25

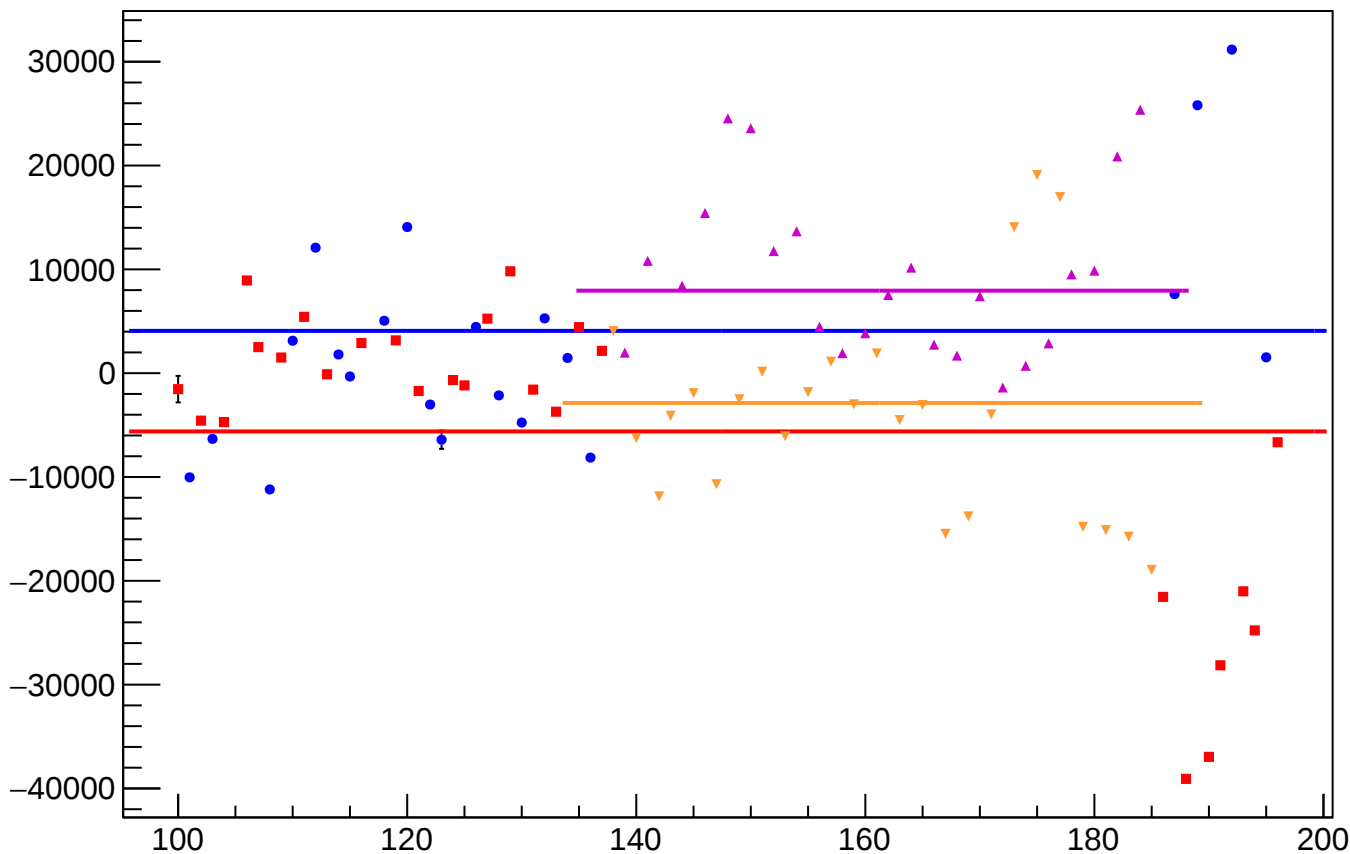
Left In: 144.440+/-0.026 χ^2/NDF : 2586926.1/22

+ sign 133.479+/-0.019 χ^2/NDF : 3975379.1/45

All: 133.402+/-0.013 χ^2/NDF : 8078136.1/94

- sign 133.329+/-0.019 χ^2/NDF : 4102725.1/48

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: -5610.364+/-45.600 χ^2/NDF : 92320.8/25

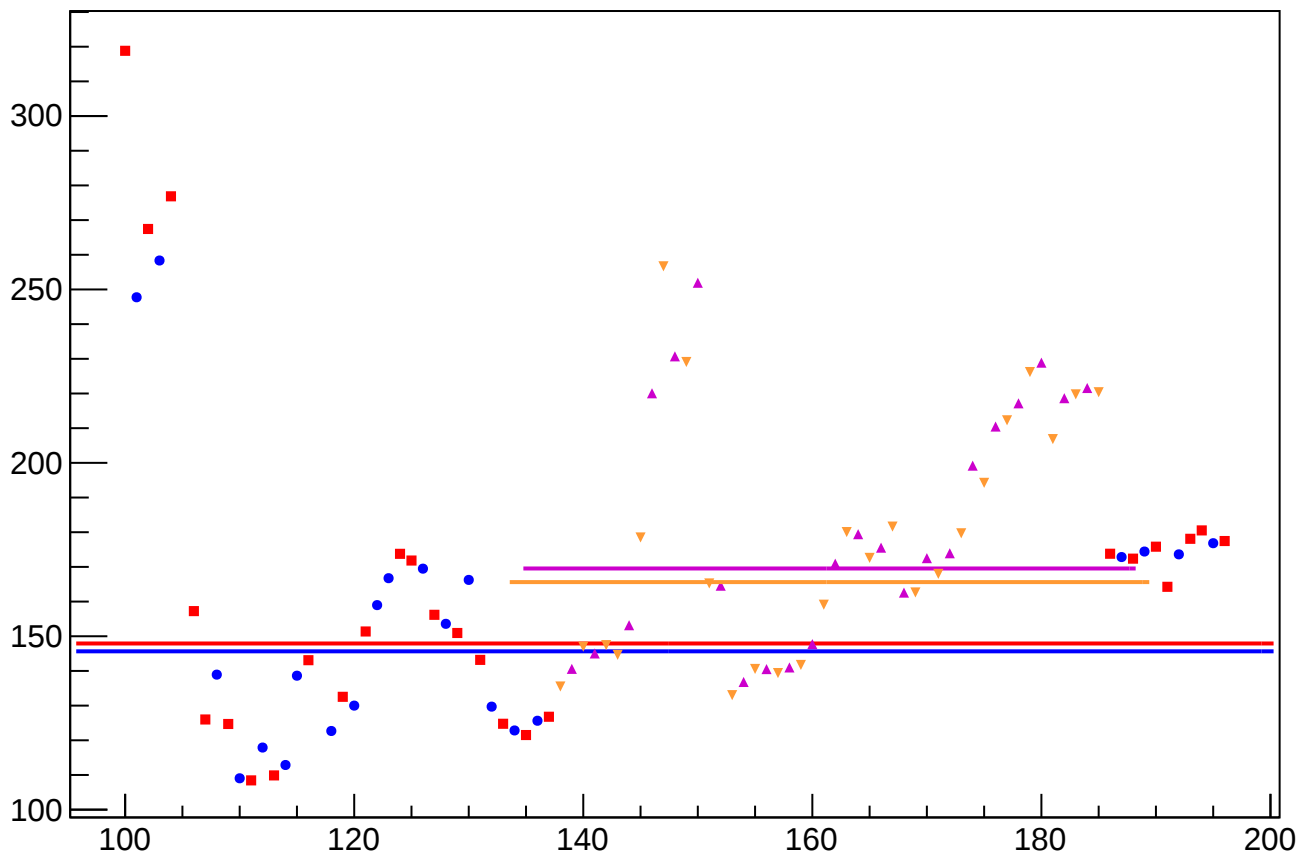
Left In: 7947.160+/-41.726 χ^2/NDF : 23874.5/22

+ sign -226.253+/-31.071 χ^2/NDF : 109814.3/45

All: 780.508+/-21.868 χ^2/NDF : 276202.0/94

- sign 1768.698+/-30.783 χ^2/NDF : 164307.3/48

asym_bpm0i01WS_rms vs Slug



Right In: 145.654 $\pm$ 0.036 χ^2 /NDF: 831568.1/20

Left Out: 165.616 $\pm$ 0.028 χ^2 /NDF: 1144779.3/24

Right Out: 147.915 $\pm$ 0.032 χ^2 /NDF: 1050289.3/25

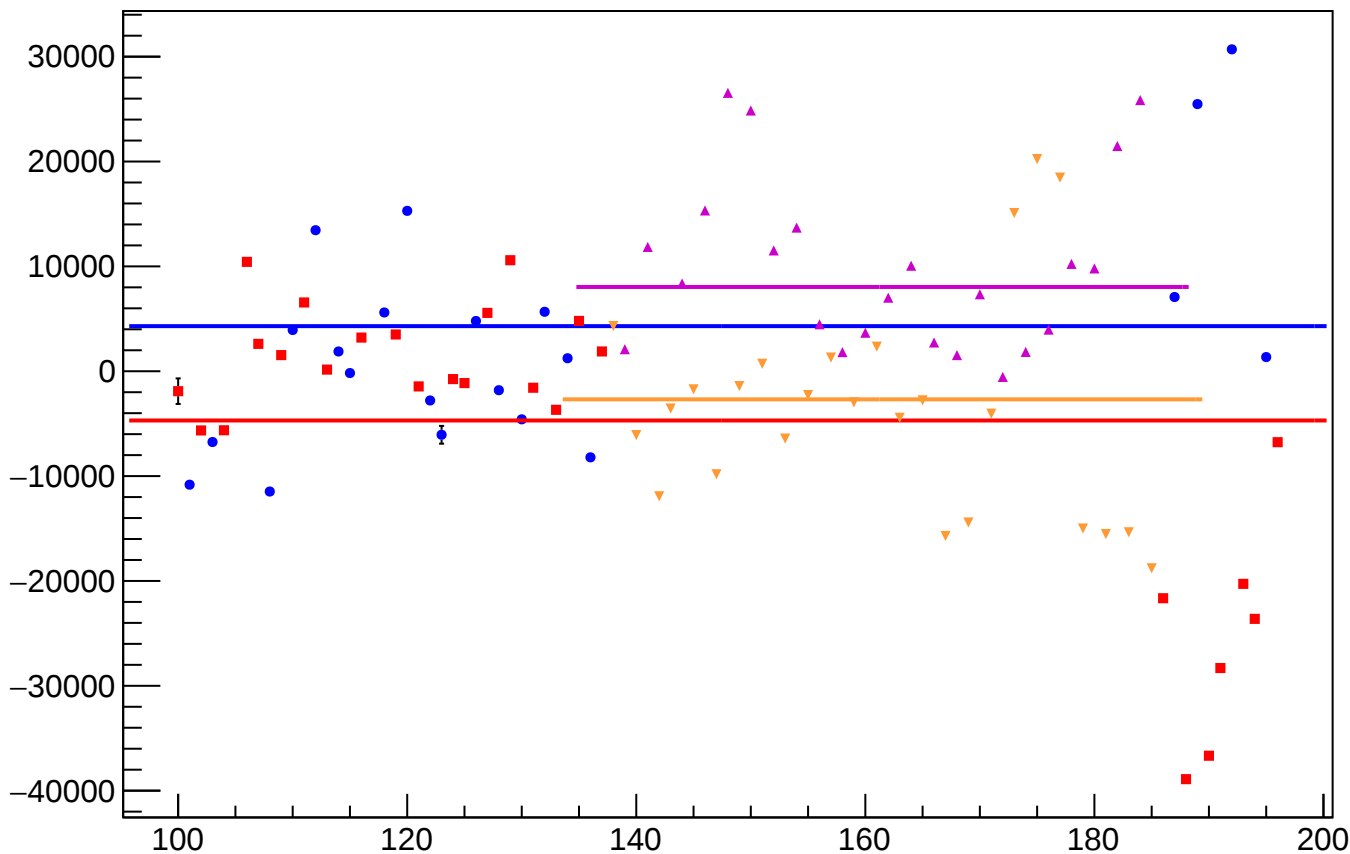
Left In: 169.542 $\pm$ 0.030 χ^2 /NDF: 1159241.9/22

+ sign 158.017 $\pm$ 0.022 χ^2 /NDF: 2170978.8/45

All: 158.859 $\pm$ 0.015 χ^2 /NDF: 4628264.3/94

- sign 159.686 $\pm$ 0.022 χ^2 /NDF: 2454373.1/48

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: -4696.073+/-37.989 χ^2/NDF : 128194.3/25

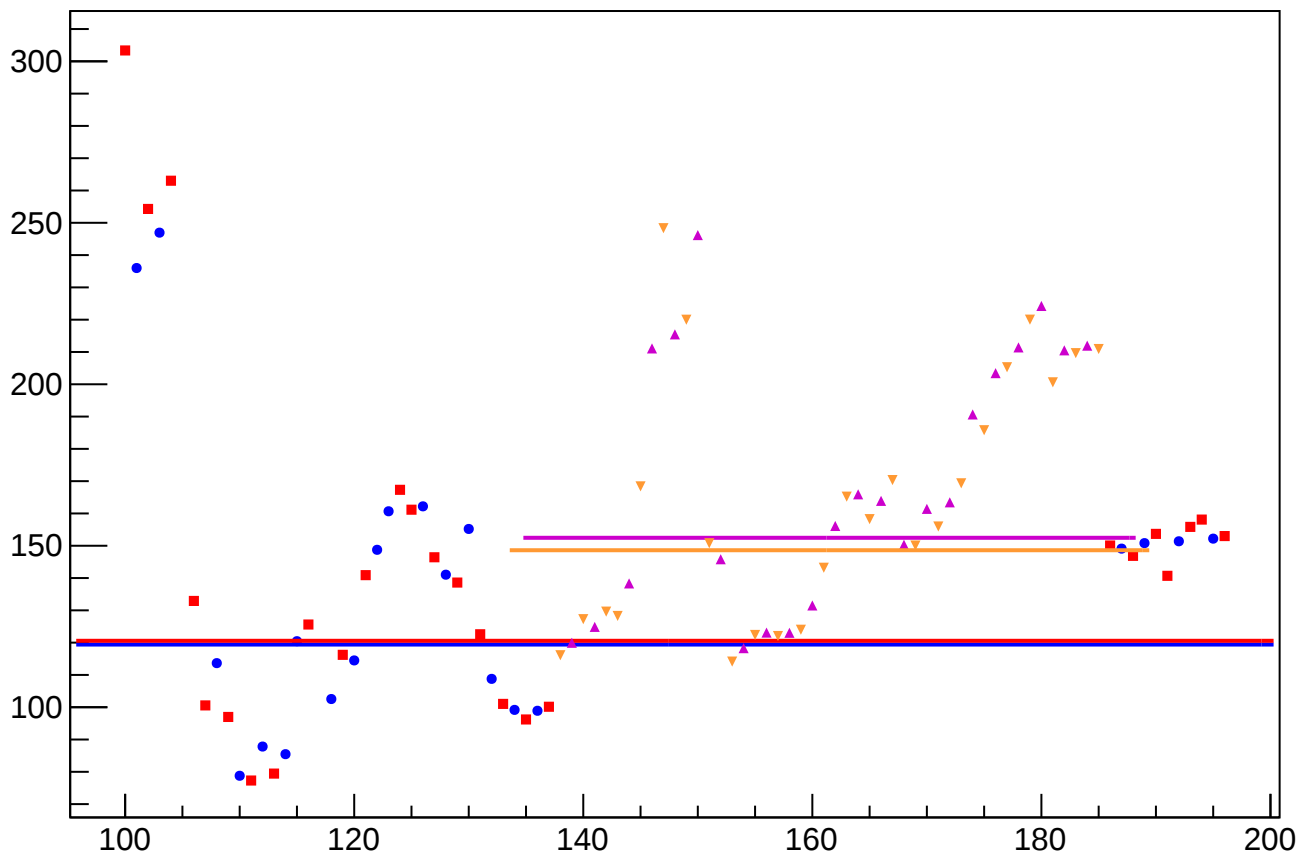
Left In: 8036.826+/-37.924 χ^2/NDF : 29261.6/22

+ sign 240.757+/-27.275 χ^2/NDF : 144576.5/45

All: 972.572+/-19.130 χ^2/NDF : 359715.6/94

- sign 1681.218+/-26.839 χ^2/NDF : 213722.0/48

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: 120.569 $\pm$ 0.027 χ^2 /NDF: 1759846.2/25

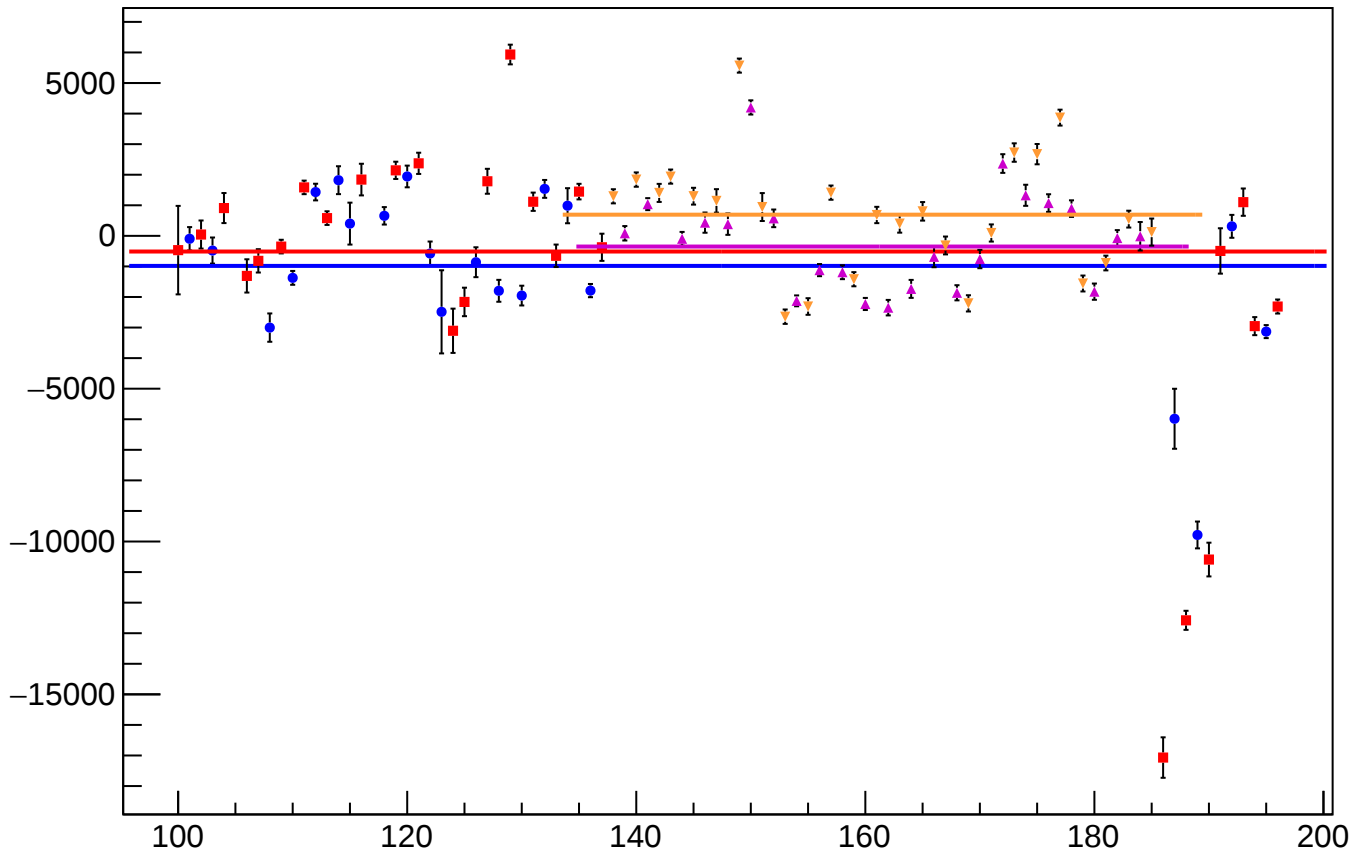
Left In: 152.463 $\pm$ 0.027 χ^2 /NDF:1691517.7/22

+ sign 136.392 $\pm$ 0.019 χ^2 /NDF: 3624833.0/45

All: 136.469 $\pm$ 0.014 χ^2 /NDF: 7782296.5/94

- sign 136.543 $\pm$ 0.019 χ^2 /NDF: 4157432.3/48

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: -512.536 ± 67.582 χ^2/NDF : 3451.2/25

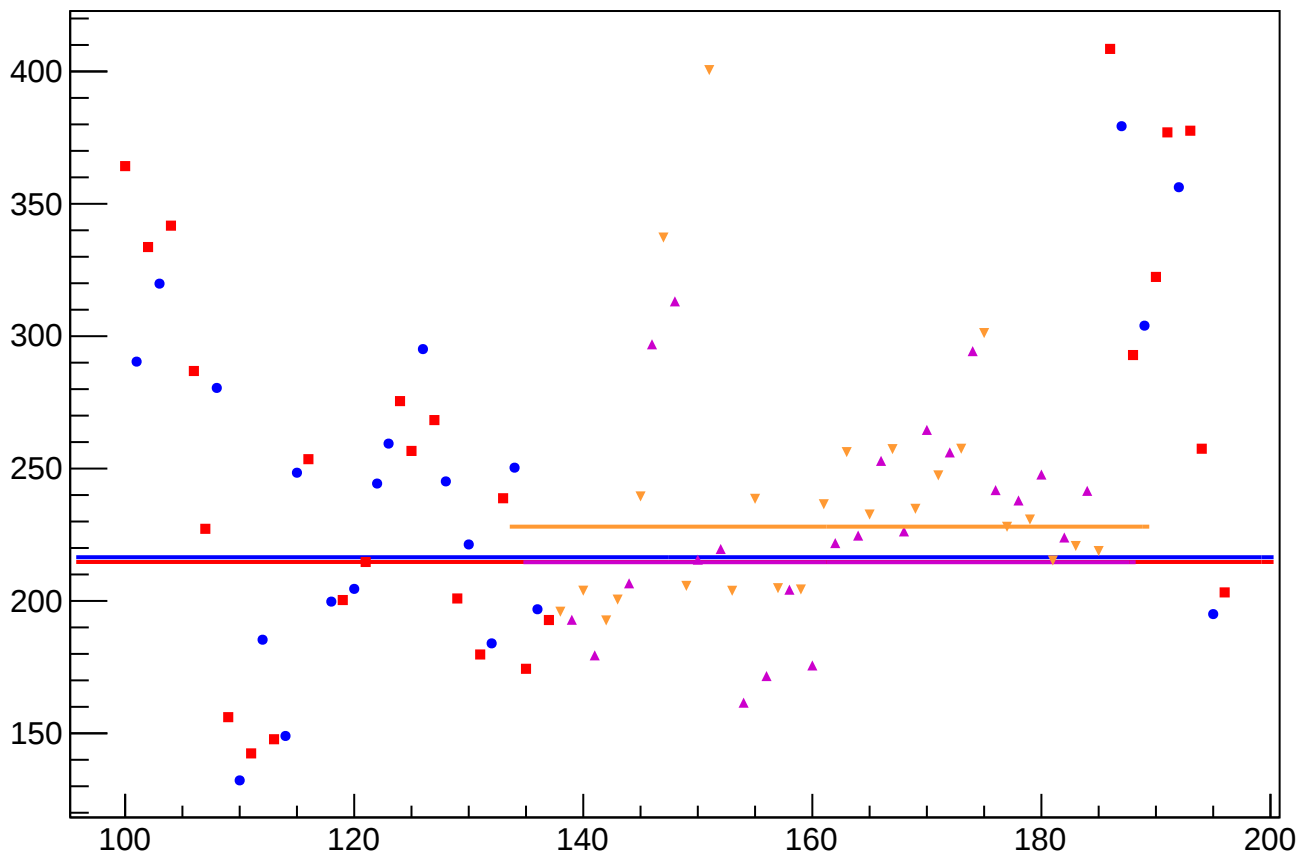
Left In: -349.623 ± 53.094 χ^2/NDF : 981.0/22

+ sign 118.110 ± 44.016 χ^2/NDF : 2656.9/45

All: -160.830 ± 30.291 χ^2/NDF : 7168.9/94

- sign -411.798 ± 41.751 χ^2/NDF : 4435.7/48

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: 214.718 $\pm$ 0.048 χ^2 /NDF: 1814318.4/25

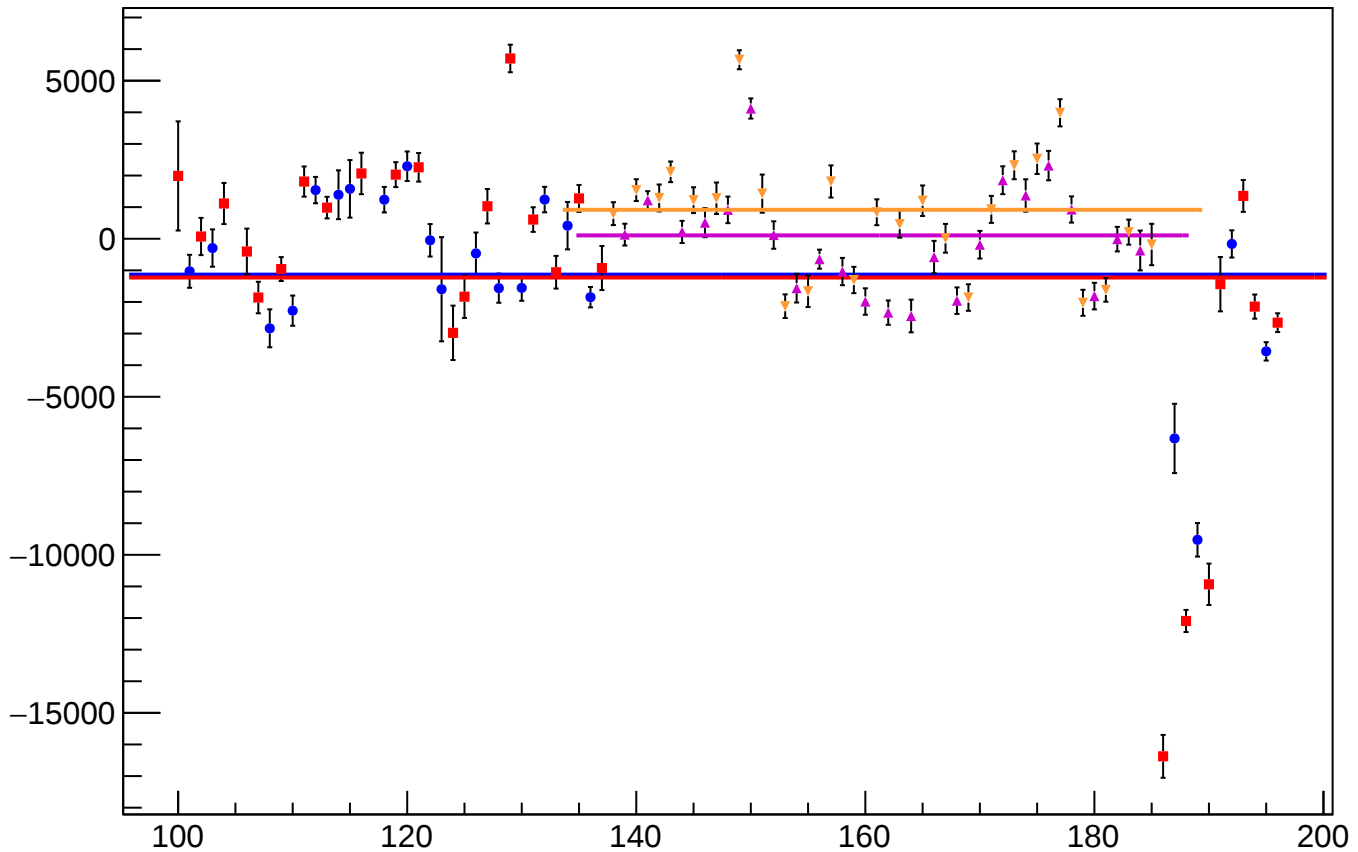
Left In: 214.627 $\pm$ 0.038 χ^2 /NDF:1025683.3/22

+ sign 224.100 $\pm$ 0.031 χ^2 /NDF: 2005787.6/45

All: 219.132 $\pm$ 0.021 χ^2 /NDF: 4894191.9/94

- sign 214.662 $\pm$ 0.030 χ^2 /NDF: 2840003.9/48

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: -1226.607 ± 94.795 χ^2/NDF : 2326.6/25

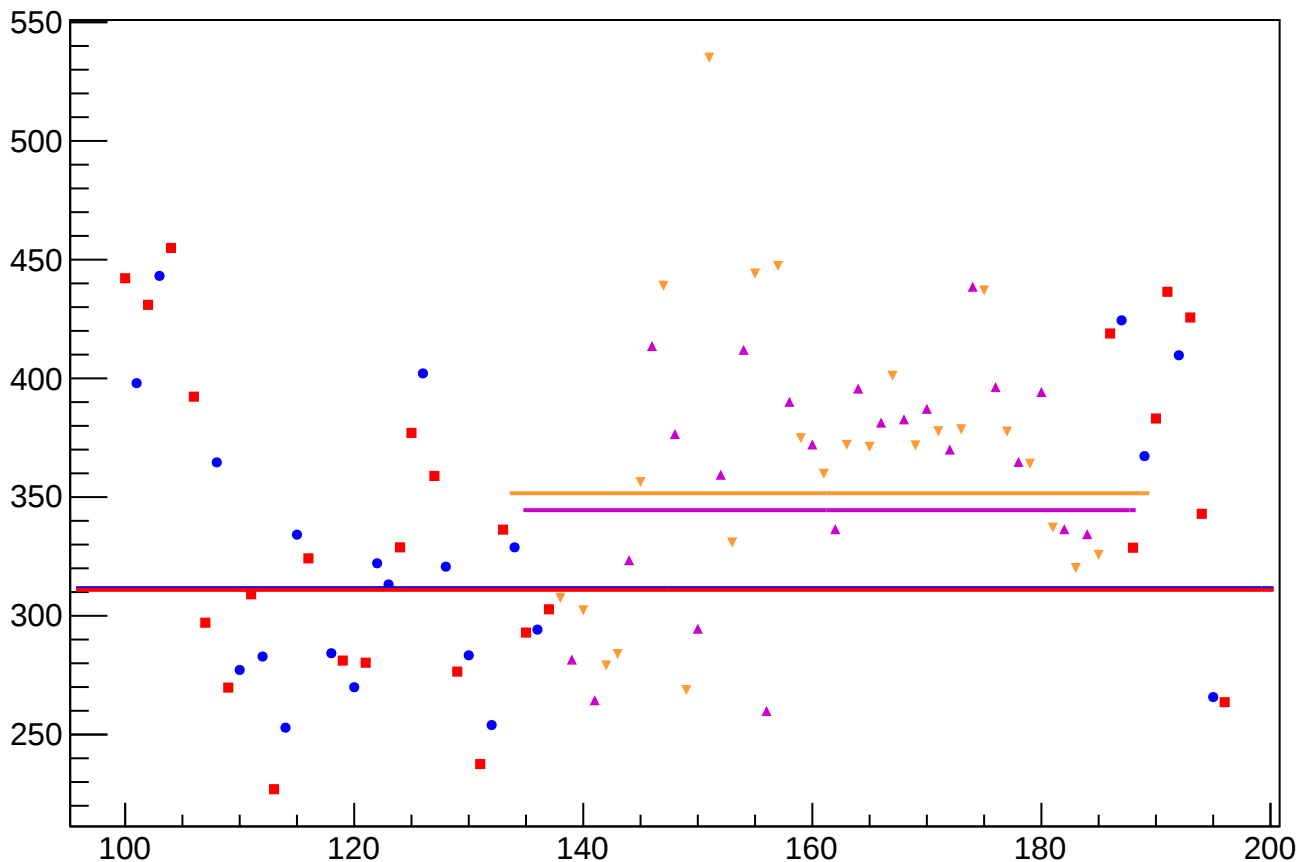
Left In: 106.116 ± 84.393 χ^2/NDF : 390.3/22

+ sign 130.018 ± 65.502 χ^2/NDF : 1413.6/45

All: -188.334 ± 45.419 χ^2/NDF : 4286.2/94

- sign -483.140 ± 63.033 χ^2/NDF : 2827.1/48

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: 310.937 $\pm$ 0.067 χ^2 /NDF: 803982.5/25

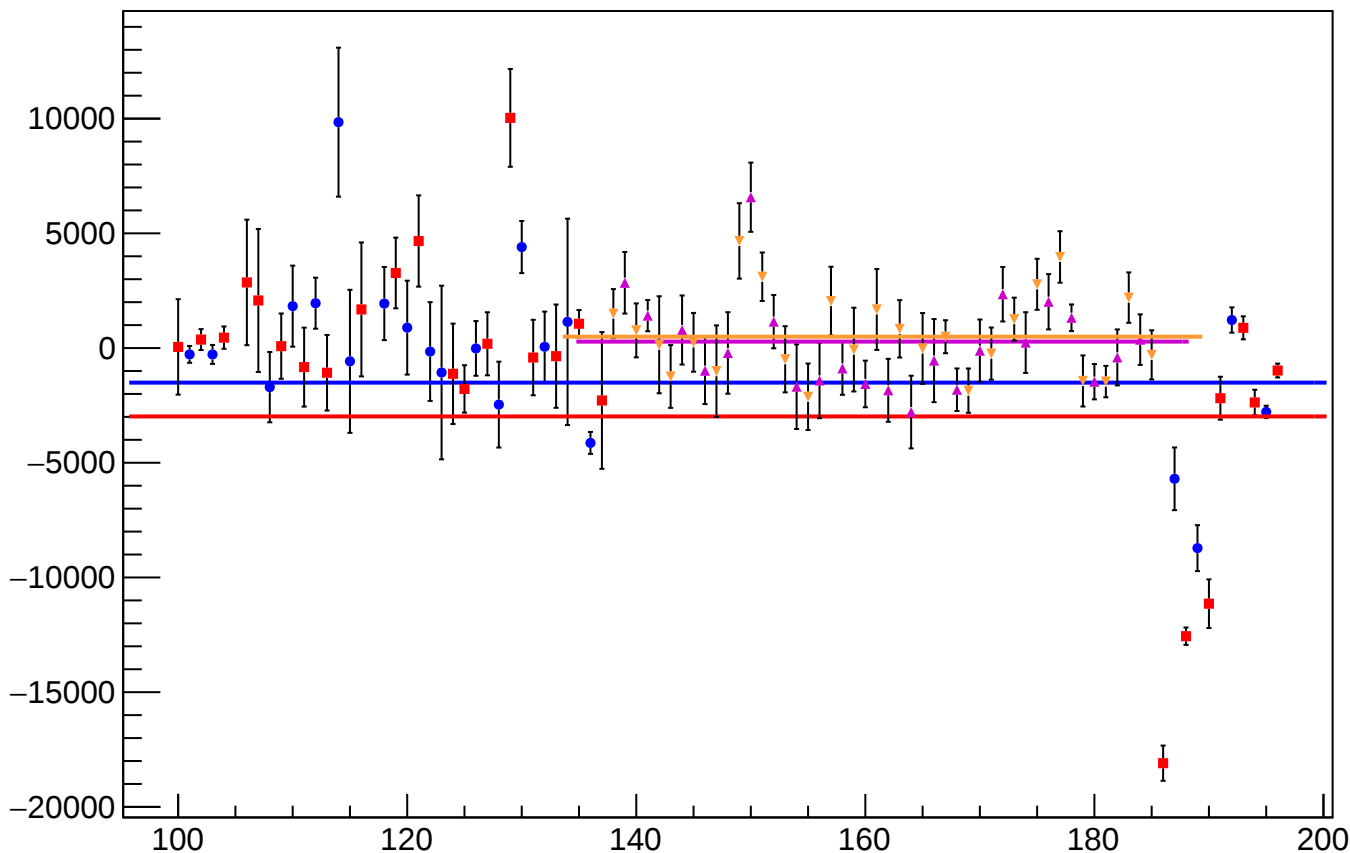
Left In: 344.491 $\pm$ 0.060 χ^2 /NDF: 768885.4/22

+ sign 336.311 $\pm$ 0.046 χ^2 /NDF: 1604493.5/45

All: 332.855 $\pm$ 0.032 χ^2 /NDF: 3327871.4/94

- sign 329.655 $\pm$ 0.045 χ^2 /NDF: 1712656.5/48

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: -2981.190 ± 147.687 χ^2/NDF : 1442.8/25

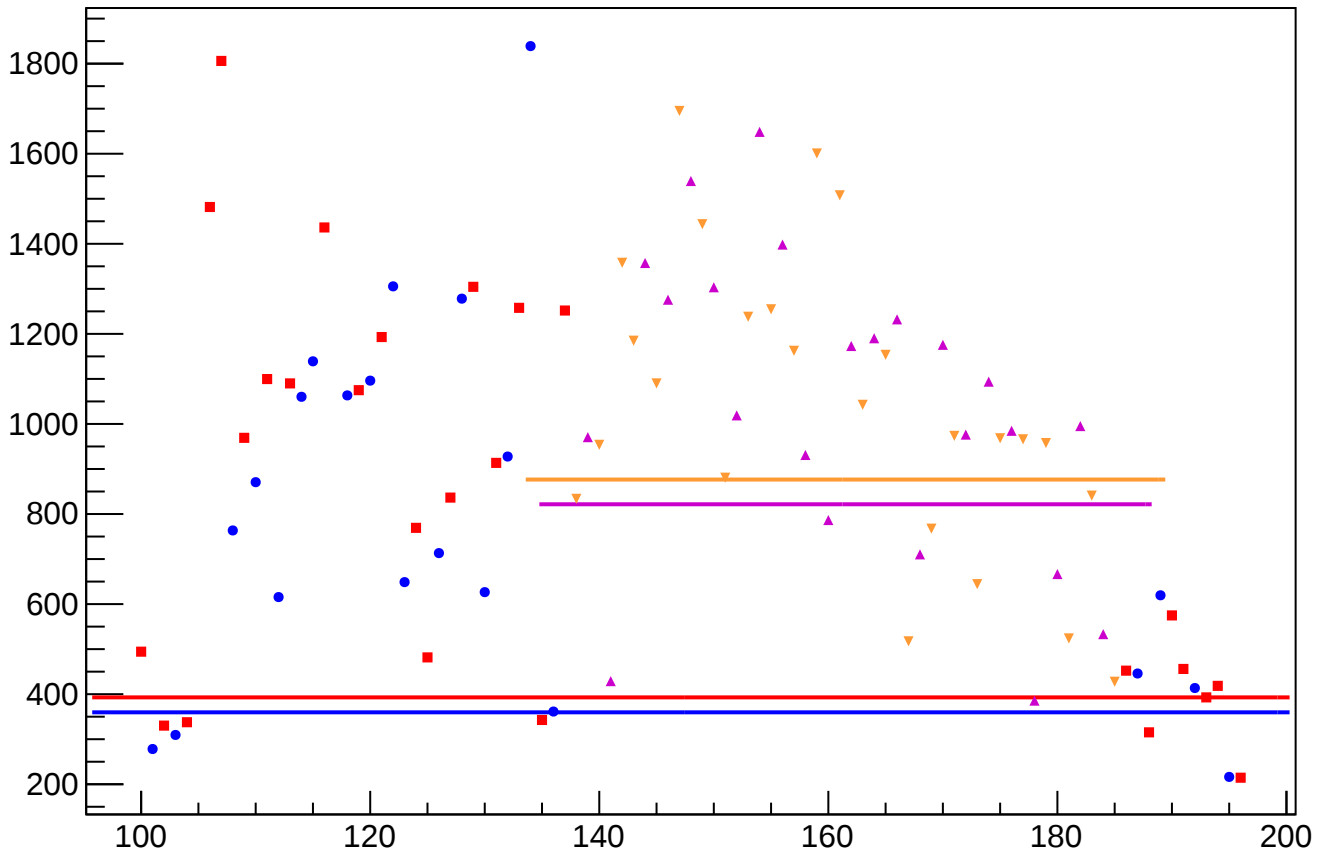
Left In: 280.692 ± 232.048 χ^2/NDF : 57.2/22

+ sign -881.771 ± 129.102 χ^2/NDF : 328.8/45

All: -1481.885 ± 89.652 χ^2/NDF : 2011.2/94

- sign -2040.813 ± 124.593 χ^2/NDF : 1640.6/48

asym_bpm0l03WS_rms vs Slug



Right In: 359.686 ± 0.110 χ^2/NDF : 3797172.8/20

Left Out: 876.560 ± 0.163 χ^2/NDF : 3434698.7/24

Right Out: 392.877 ± 0.104 χ^2/NDF : 4983491.7/25

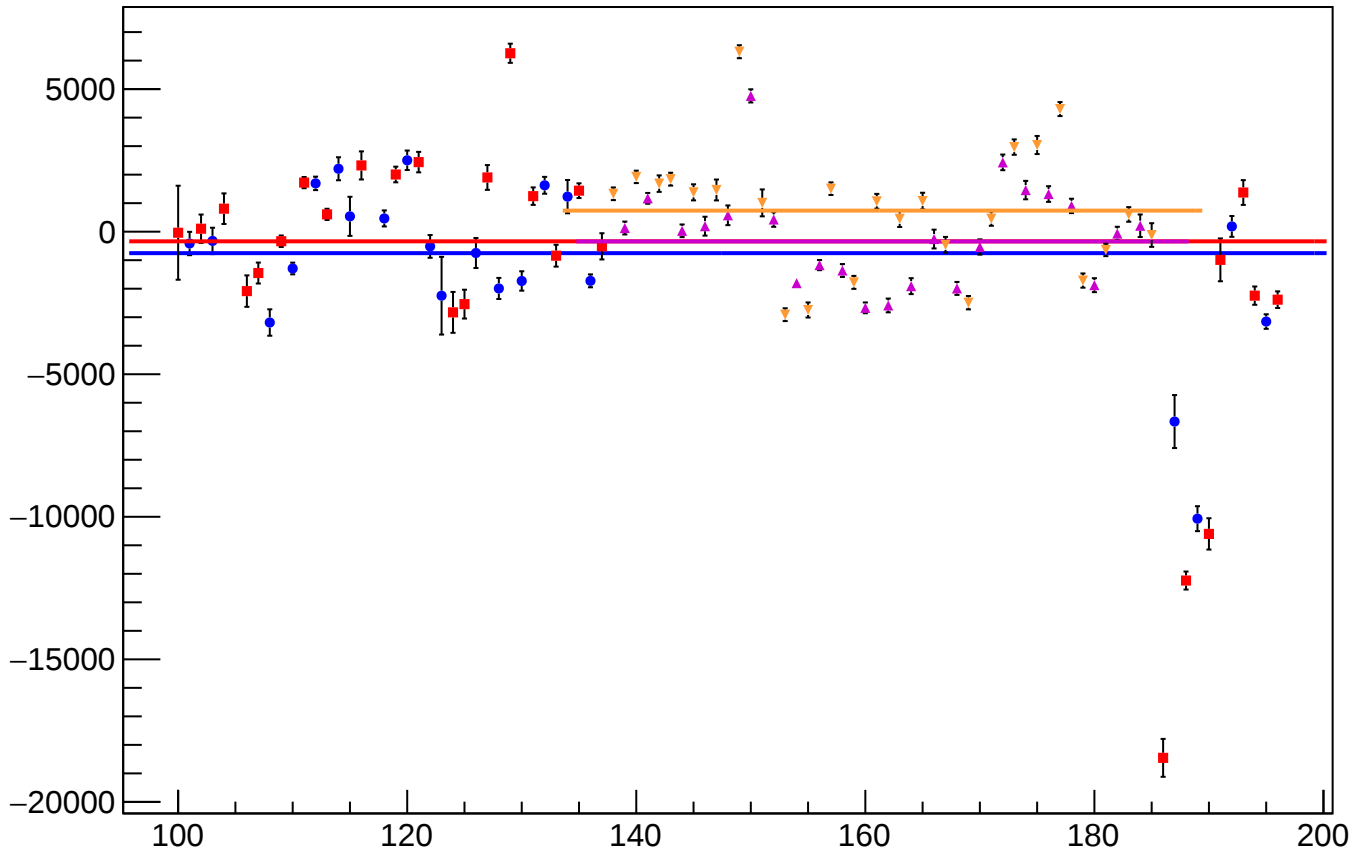
Left In: 821.657 ± 0.164 χ^2/NDF : 4443094.2/22

+ sign 521.050 ± 0.091 χ^2/NDF : 14115604.1/45

All: 518.690 ± 0.063 χ^2/NDF : 28403600.7/94

- sign 516.491 ± 0.088 χ^2/NDF : 14286705.2/48

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: -338.747 ± 67.203 χ^2/NDF : 3451.4/25

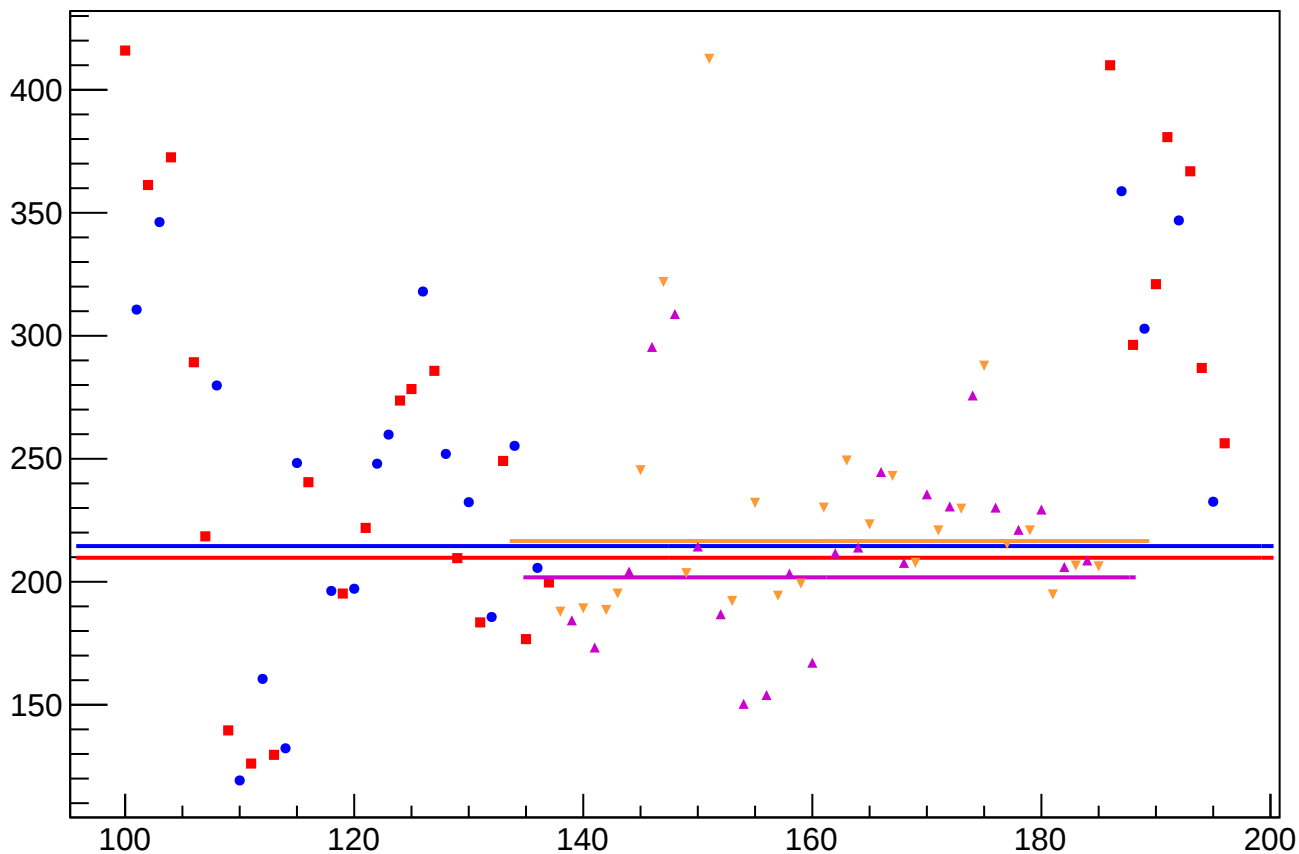
Left In: -342.465 ± 50.044 χ^2/NDF : 1254.9/22

+ sign 262.110 ± 42.607 χ^2/NDF : 3216.1/45

All: -57.497 ± 29.216 χ^2/NDF : 8028.6/94

- sign -341.139 ± 40.138 χ^2/NDF : 4706.3/48

asym_bpm0l04WS_rms vs Slug



Right In: 214.513+/-0.053 χ^2/NDF : 1504426.4/20

Left Out: 216.574+/-0.037 χ^2/NDF : 886214.1/24

Right Out: 209.770+/-0.048 χ^2/NDF : 2525739.9/25

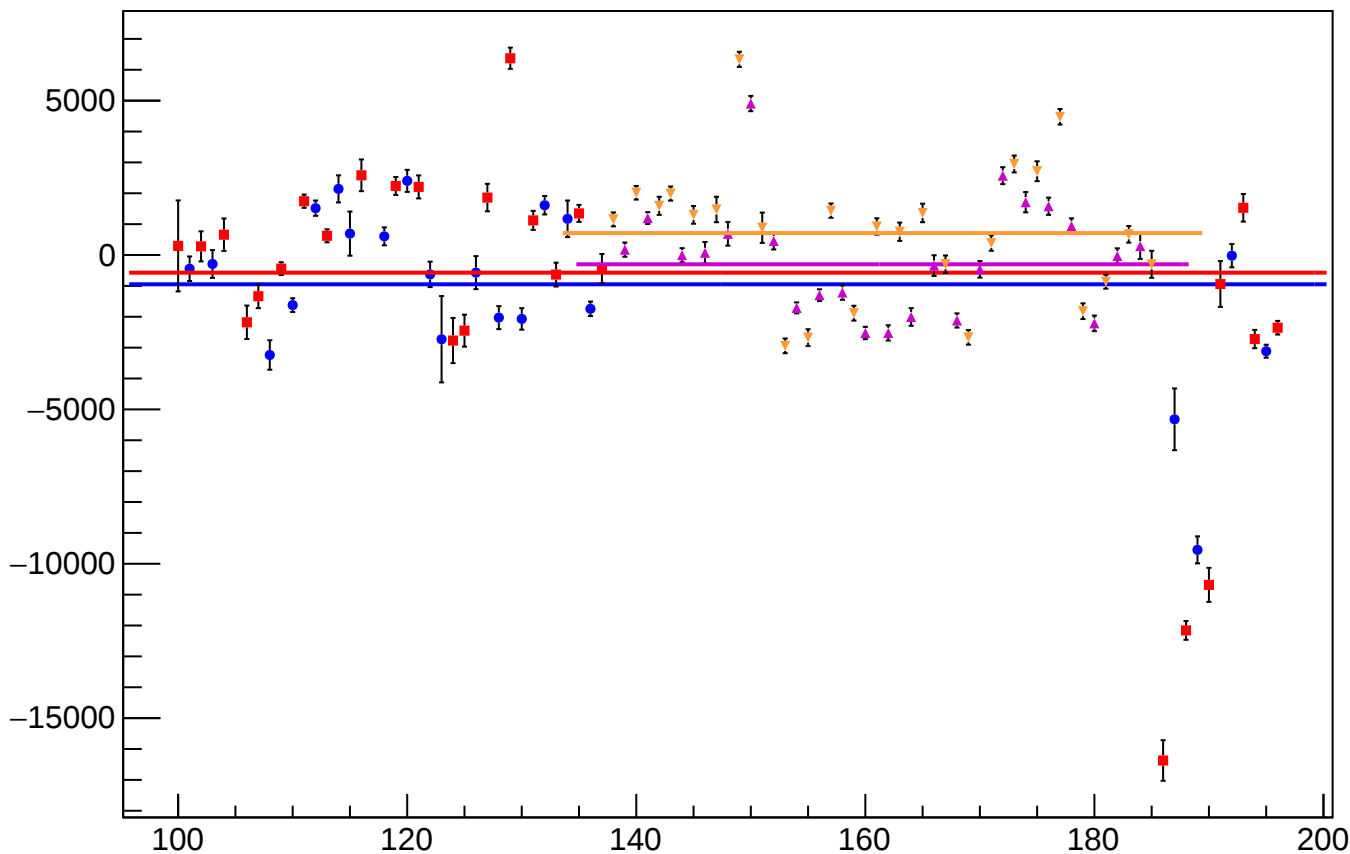
Left In: 201.805+/-0.035 χ^2/NDF : 1087243.4/22

+ sign 215.916+/-0.030 χ^2/NDF : 2391658.1/45

All: 209.945+/-0.021 χ^2/NDF : 6096838.2/94

- sign 204.647+/-0.028 χ^2/NDF : 3631055.9/48

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: -571.746 ± 67.765 χ^2/NDF : 3409.2/25

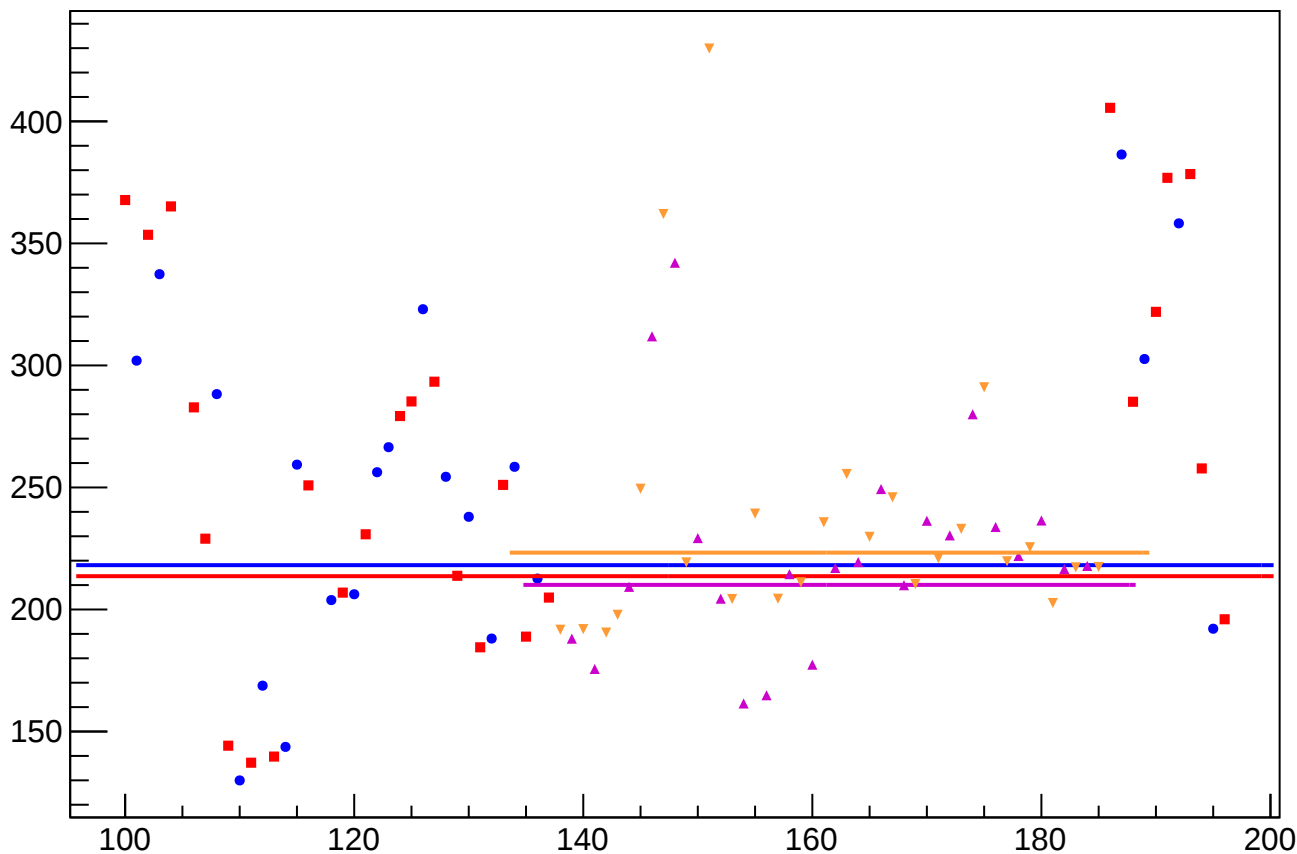
Left In: -300.516 ± 51.984 χ^2/NDF : 1208.6/22

+ sign 166.562 ± 43.640 χ^2/NDF : 3097.6/45

All: -133.213 ± 29.976 χ^2/NDF : 7814.8/94

- sign -400.997 ± 41.246 χ^2/NDF : 4627.9/48

asym_bpm0l05WS_rms vs Slug



Right In: 218.161+/-0.054 χ^2/NDF : 1326287.1/20

Left Out: 223.296+/-0.038 χ^2/NDF :922768.4/24

Right Out: 213.650+/-0.048 χ^2/NDF : 2083400.5/25

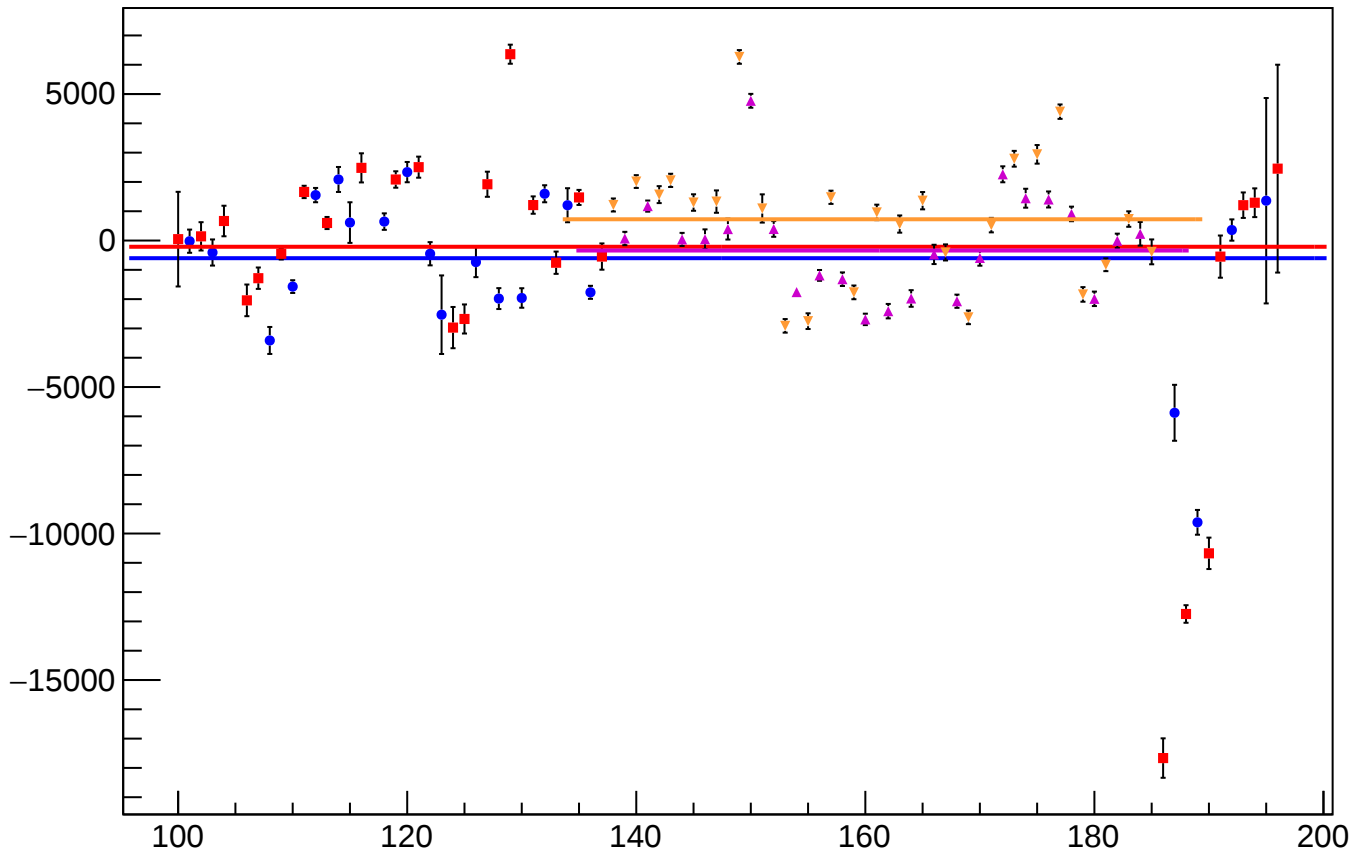
Left In: 210.080+/-0.037 χ^2/NDF :1015274.5/22

+ sign 221.611+/-0.031 χ^2/NDF : 2255161.6/45

All: 216.219+/-0.021 χ^2/NDF : 5415133.6/94

- sign 211.403+/-0.029 χ^2/NDF : 3102169.8/48

asym_bpm0l06WS_mean vs Slug



Right In: -602.409 ± 79.179 $\chi^2/\text{NDF}: 891.9/20$

Left Out: 725.866 ± 52.158 $\chi^2/\text{NDF}: 1912.7/24$

Right Out: -212.440 ± 70.046 $\chi^2/\text{NDF}: 3632.2/25$

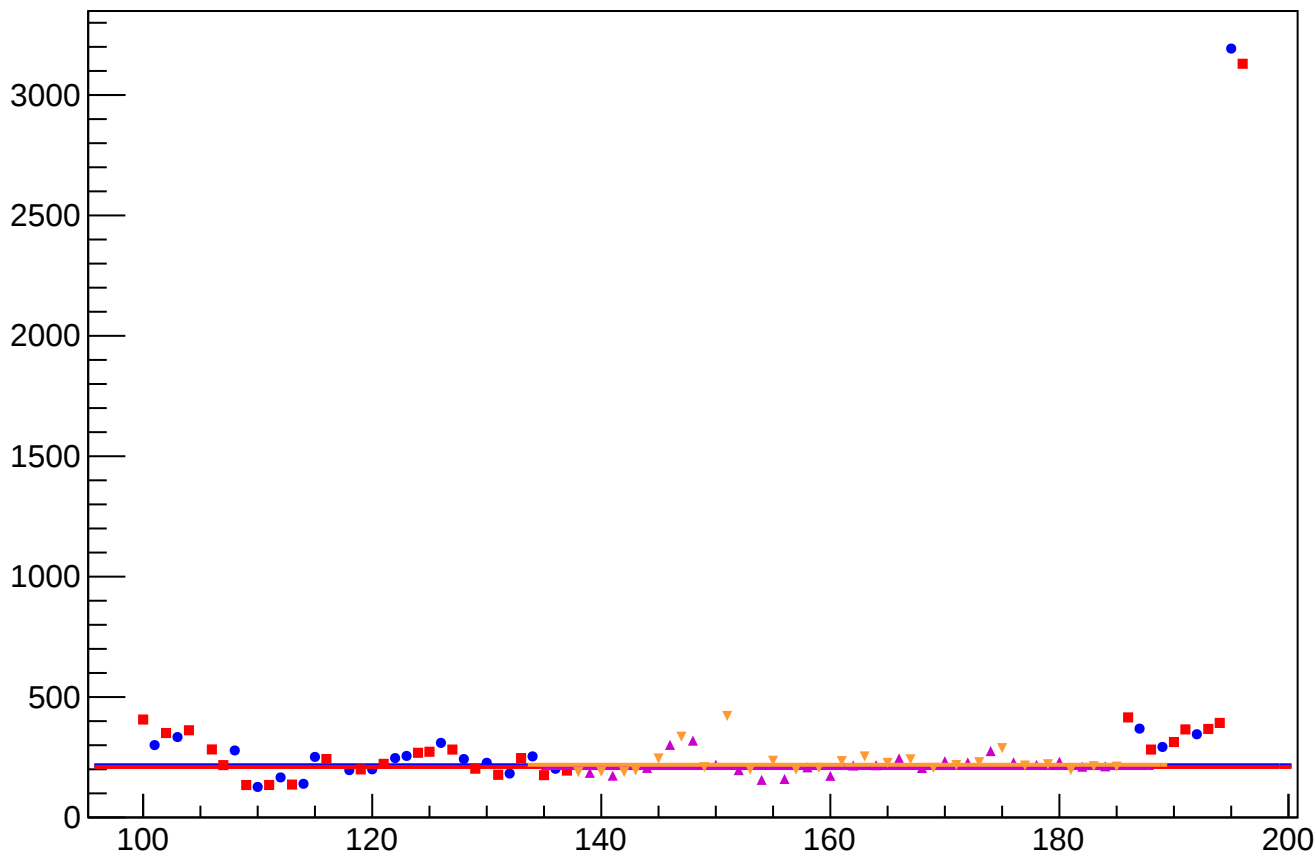
Left In: -340.502 ± 50.802 $\chi^2/\text{NDF}: 1201.8/22$

+ sign 323.903 ± 43.557 $\chi^2/\text{NDF}: 3000.9/45$

All: -4.028 ± 29.903 $\chi^2/\text{NDF}: 7944.3/94$

- sign -296.359 ± 41.125 $\chi^2/\text{NDF}: 4836.2/48$

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: 209.704 $\pm$ 0.050 χ^2 /NDF: 3774672.5/25

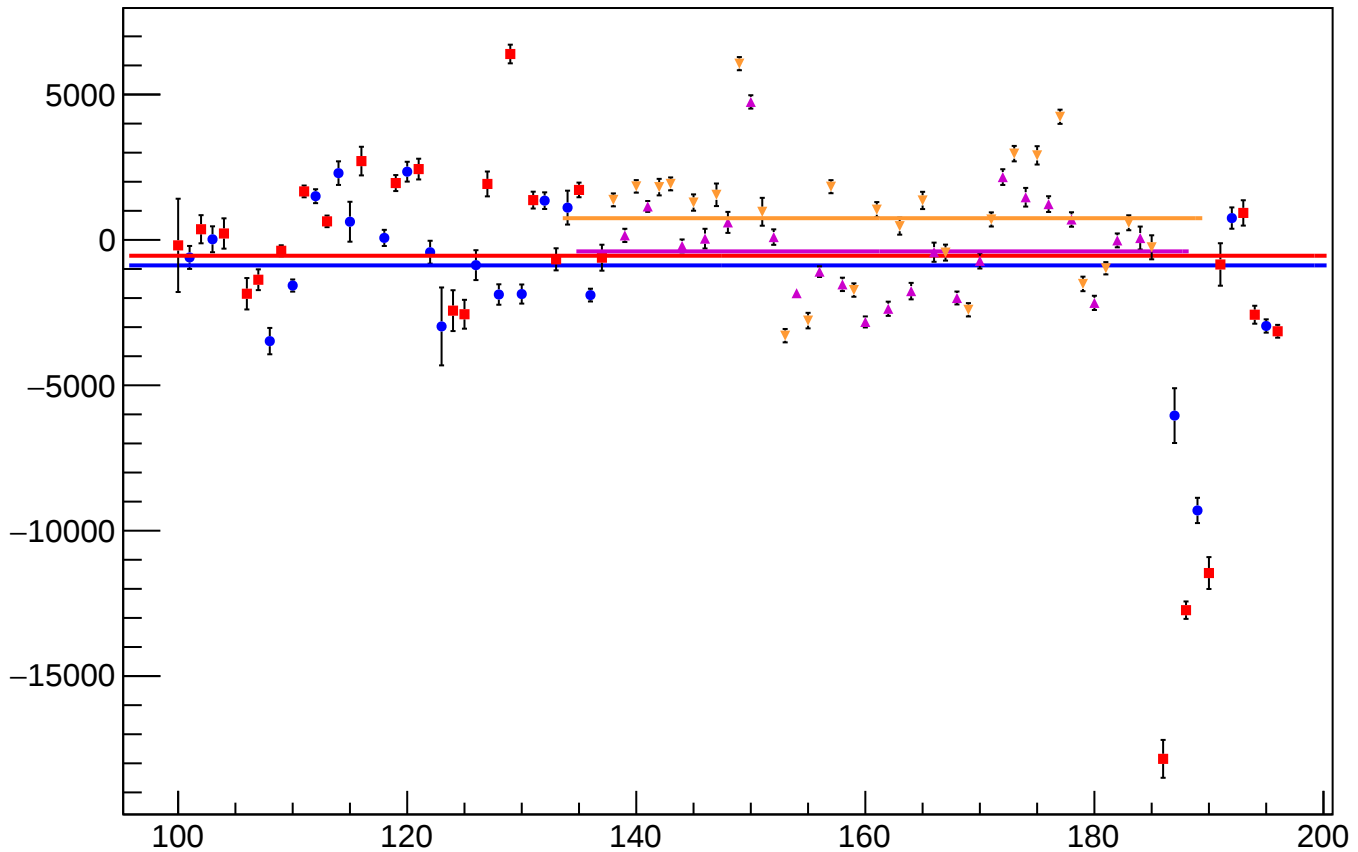
Left In: 205.249 $\pm$ 0.036 χ^2 /NDF: 997168.8/22

+ sign 218.136 $\pm$ 0.031 χ^2 /NDF: 3618059.4/45

All: 212.135 $\pm$ 0.021 χ^2 /NDF: 8467023.7/94

- sign 206.785 $\pm$ 0.029 χ^2 /NDF: 4777142.9/48

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: -544.531 ± 64.763 χ^2/NDF : 3964.6/25

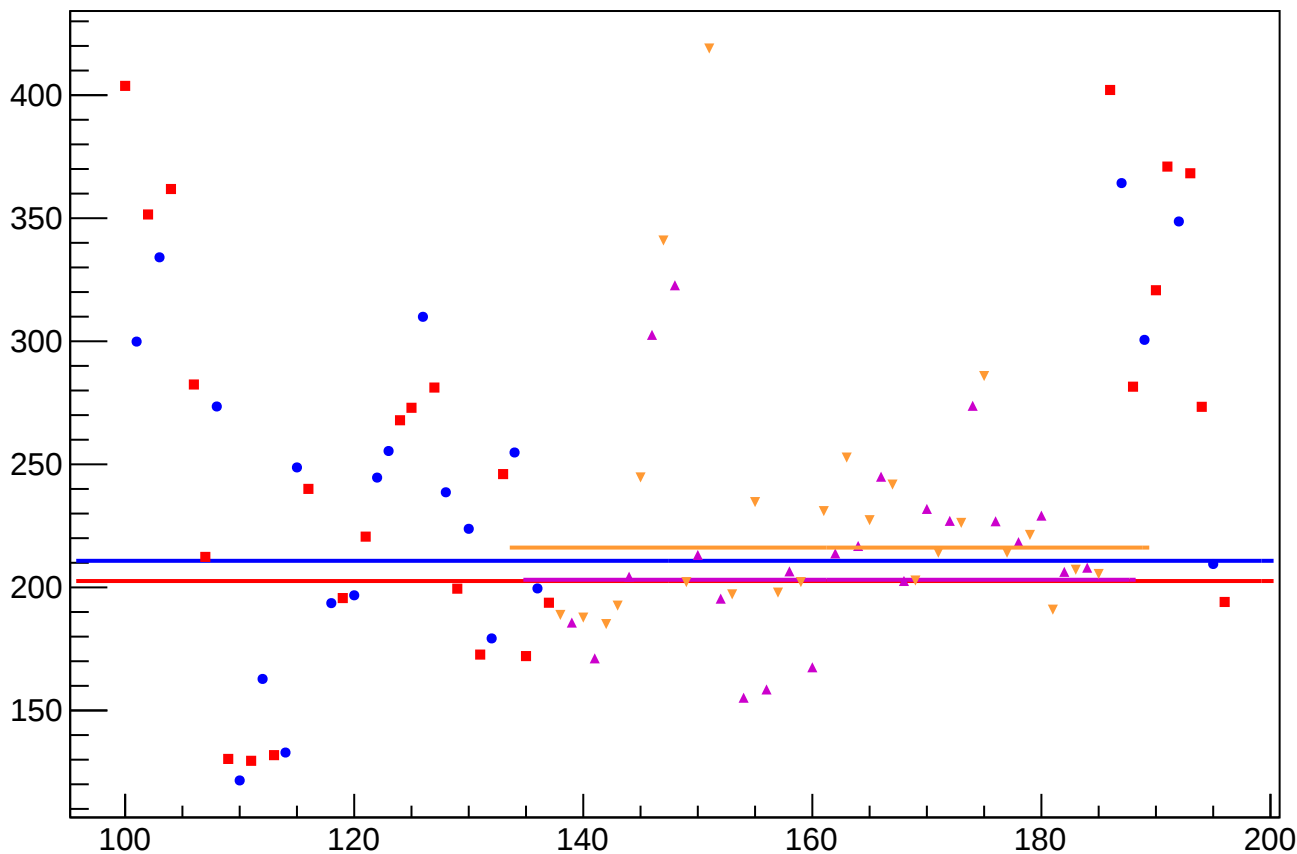
Left In: -394.379 ± 50.311 χ^2/NDF : 1236.4/22

+ sign 213.889 ± 42.291 χ^2/NDF : 3204.4/45

All: -139.227 ± 28.957 χ^2/NDF : 8540.0/94

- sign -450.890 ± 39.731 χ^2/NDF : 5204.3/48

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

Right Out: 202.587 $\pm$ 0.046 χ^2 /NDF: 2401908.0/25

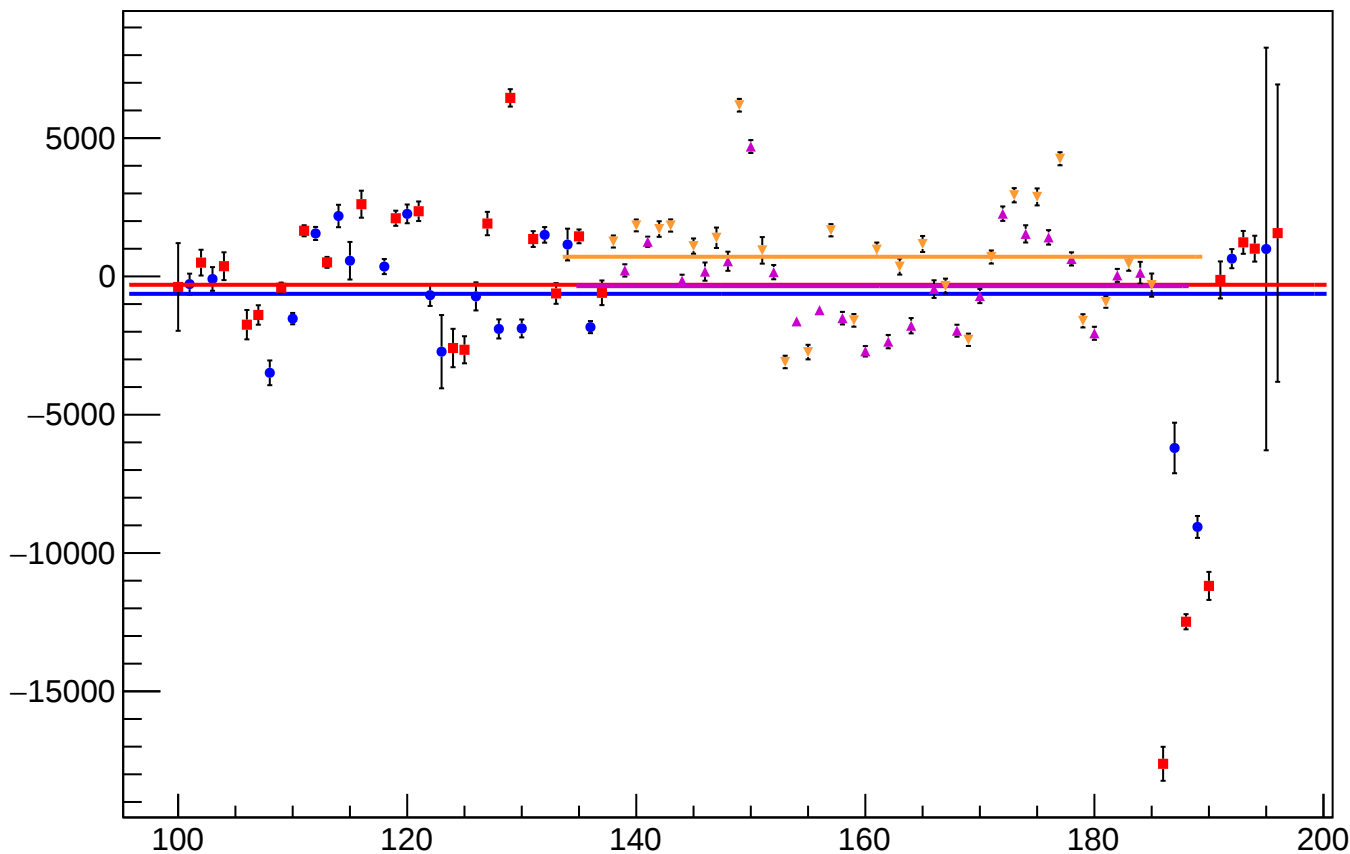
Left In: 203.101 $\pm$ 0.036 χ^2 /NDF: 1038013.0/22

+ sign 214.414 $\pm$ 0.030 χ^2 /NDF: 2351178.6/45

All: 208.302 $\pm$ 0.020 χ^2 /NDF: 5869823.2/94

- sign 202.908 $\pm$ 0.028 χ^2 /NDF: 3439999.3/48

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: -302.470 ± 67.168 χ^2/NDF : 4161.3/25

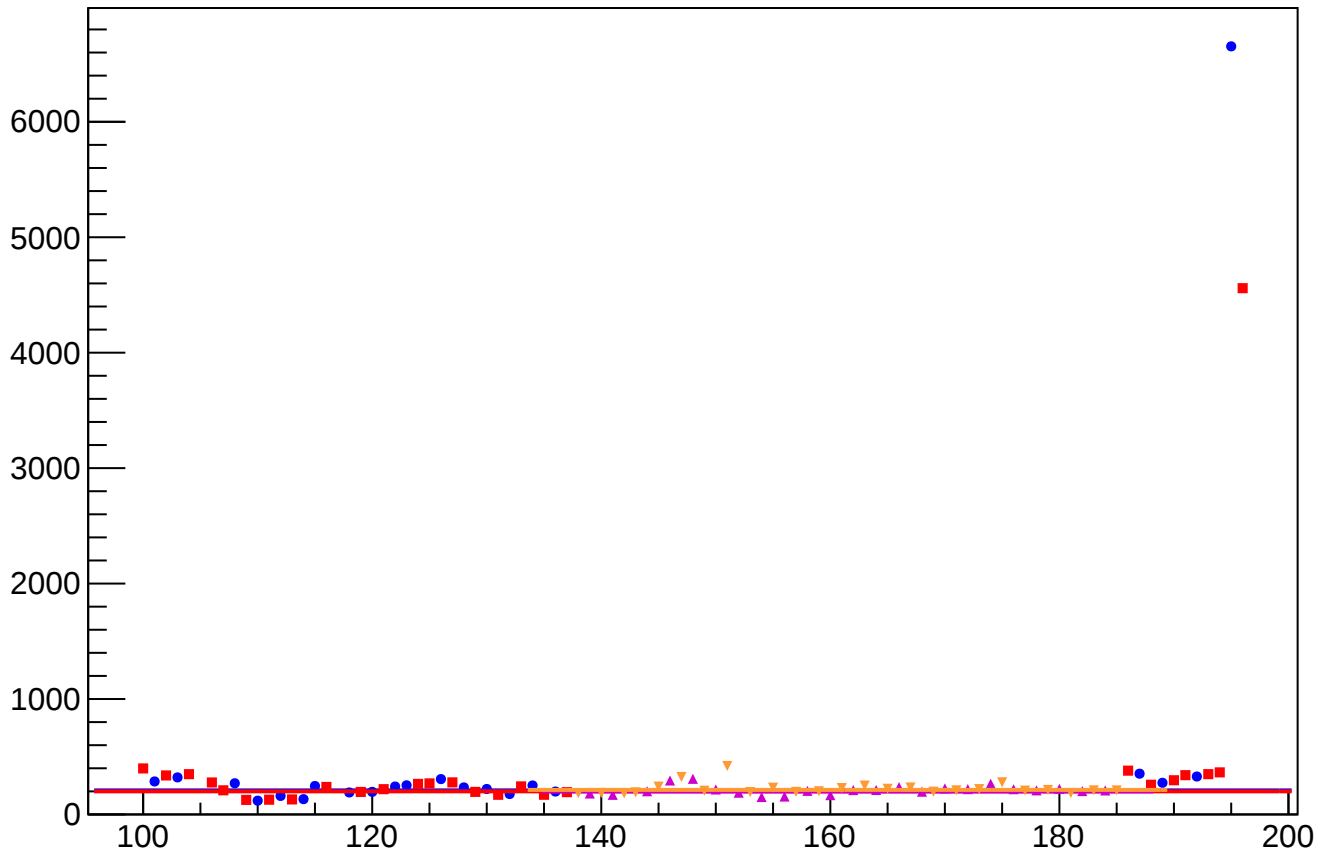
Left In: -352.432 ± 49.316 χ^2/NDF : 1233.1/22

+ sign 300.854 ± 42.293 χ^2/NDF : 3060.0/45

All: -36.714 ± 28.966 χ^2/NDF : 8574.7/94

- sign -334.932 ± 39.752 χ^2/NDF : 5394.7/48

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

+ sign 211.369 $\pm$ 0.030 χ^2 /NDF: 3785624.2/45

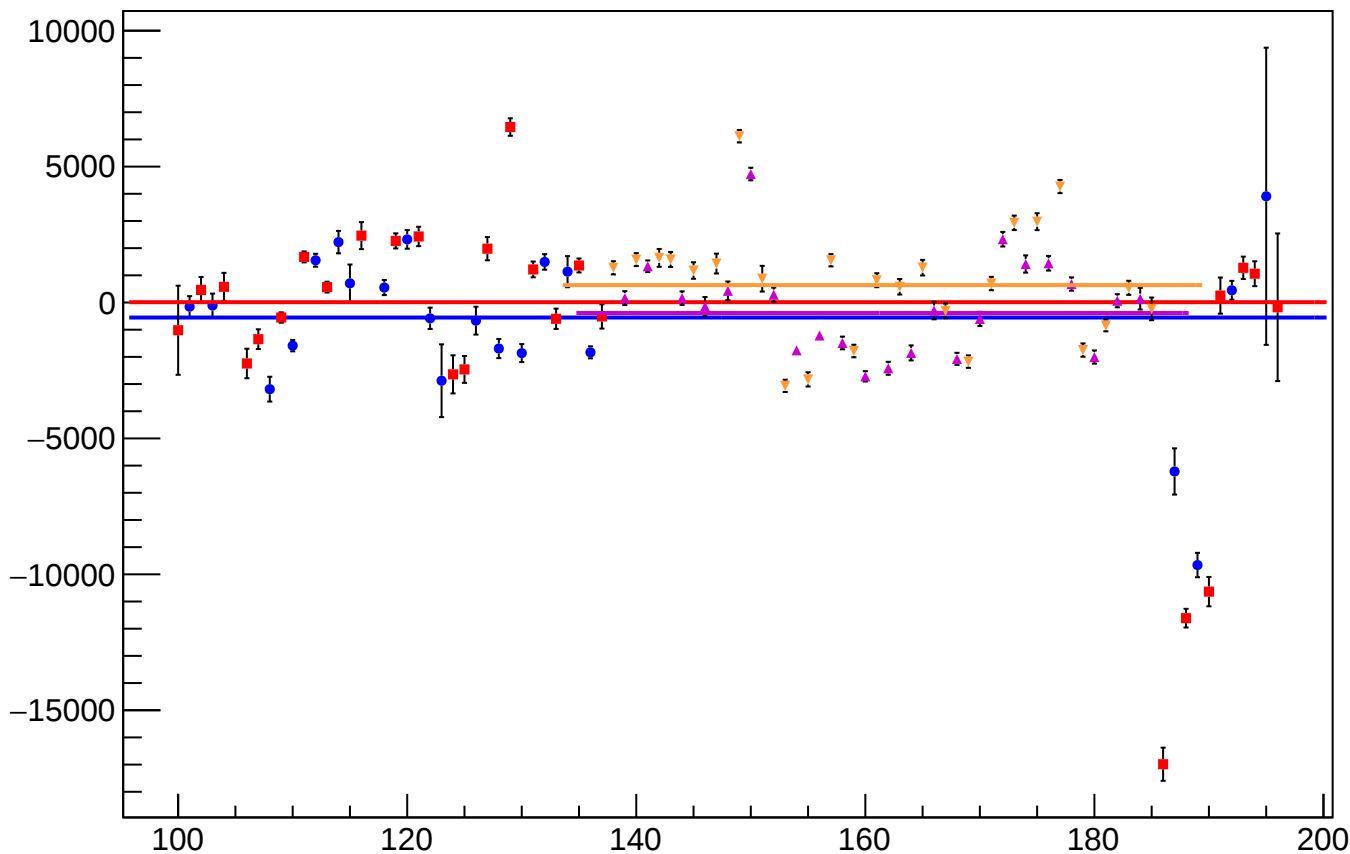
Right Out: 200.164 $\pm$ 0.047 χ^2 /NDF: 3723880.0/25

All: 205.067 $\pm$ 0.020 χ^2 /NDF: 8579376.1/94

Left In: 199.142 $\pm$ 0.035 χ^2 /NDF: 985932.4/22

- sign 199.500 $\pm$ 0.028 χ^2 /NDF: 4710113.2/48

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: 12.567 ± 69.085 χ^2/NDF : 3095.9/25

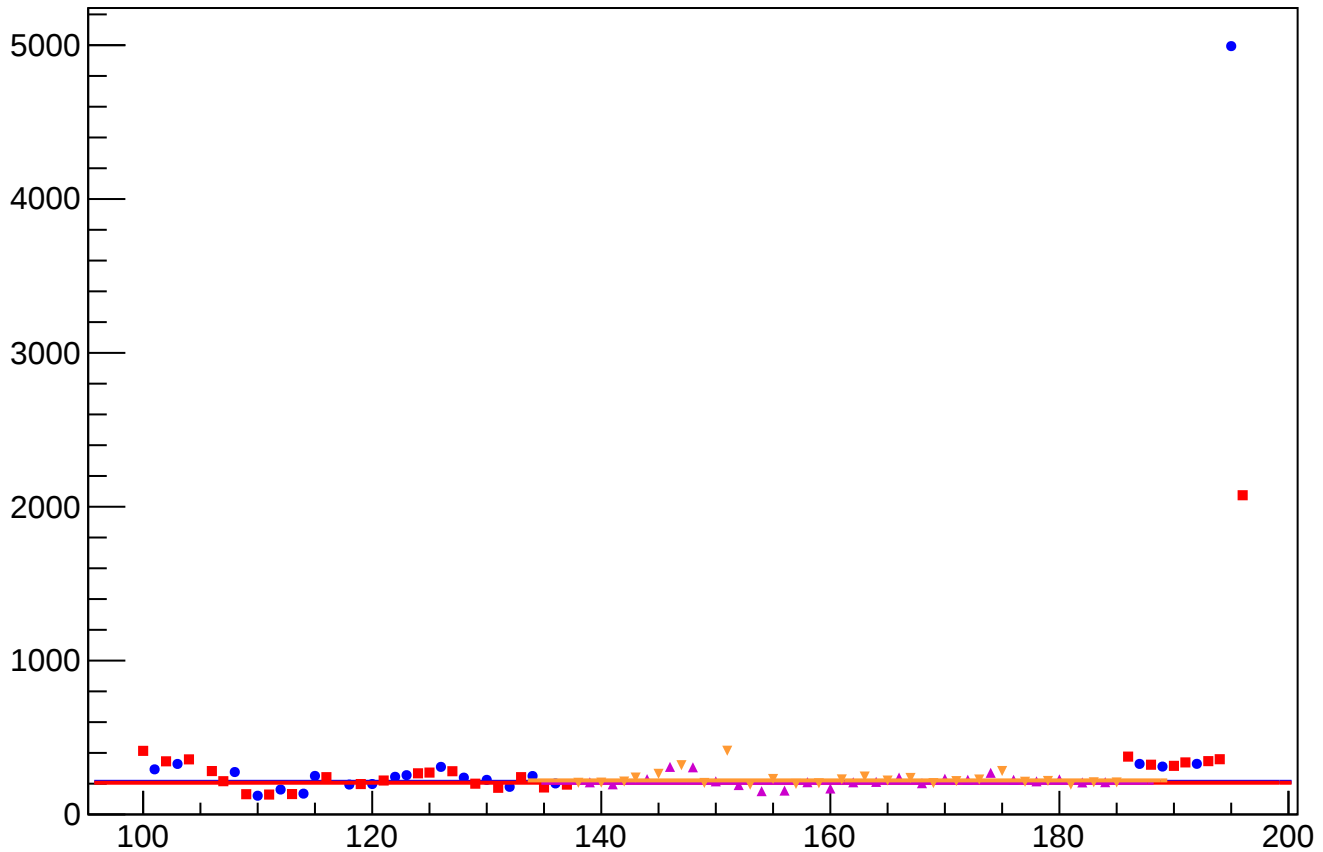
Left In: -386.248 ± 50.994 χ^2/NDF : 1238.0/22

+ sign 265.294 ± 43.649 χ^2/NDF : 2879.7/45

All: -5.949 ± 29.894 χ^2/NDF : 7308.0/94

- sign -245.593 ± 41.027 χ^2/NDF : 4355.5/48

asym_bpm0l09WS_rms vs Slug



Right In: 212.158 $\pm$ 0.055 χ^2 /NDF: 2851255.7/20

Left Out: 221.398 $\pm$ 0.037 χ^2 /NDF: 777833.8/24

+ sign 218.494 $\pm$ 0.031 χ^2 /NDF: 3648405.1/45

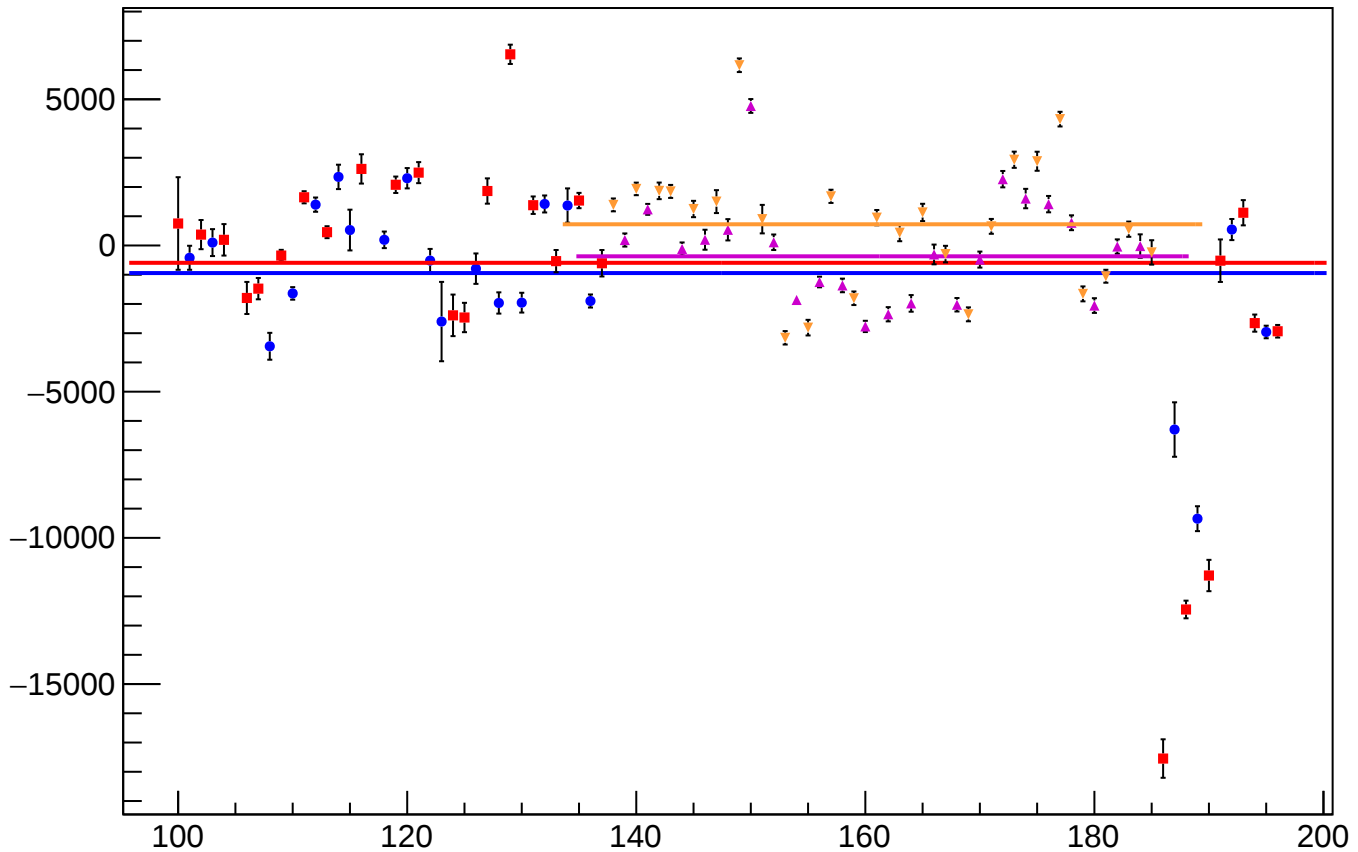
Right Out: 206.207 $\pm$ 0.049 χ^2 /NDF: 3439467.7/25

All: 211.832 $\pm$ 0.021 χ^2 /NDF: 8170584.0/94

Left In: 205.803 $\pm$ 0.036 χ^2 /NDF: 994903.5/22

- sign 205.946 $\pm$ 0.029 χ^2 /NDF: 4434415.5/48

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: -592.664 ± 65.702 χ^2/NDF : 3781.4/25

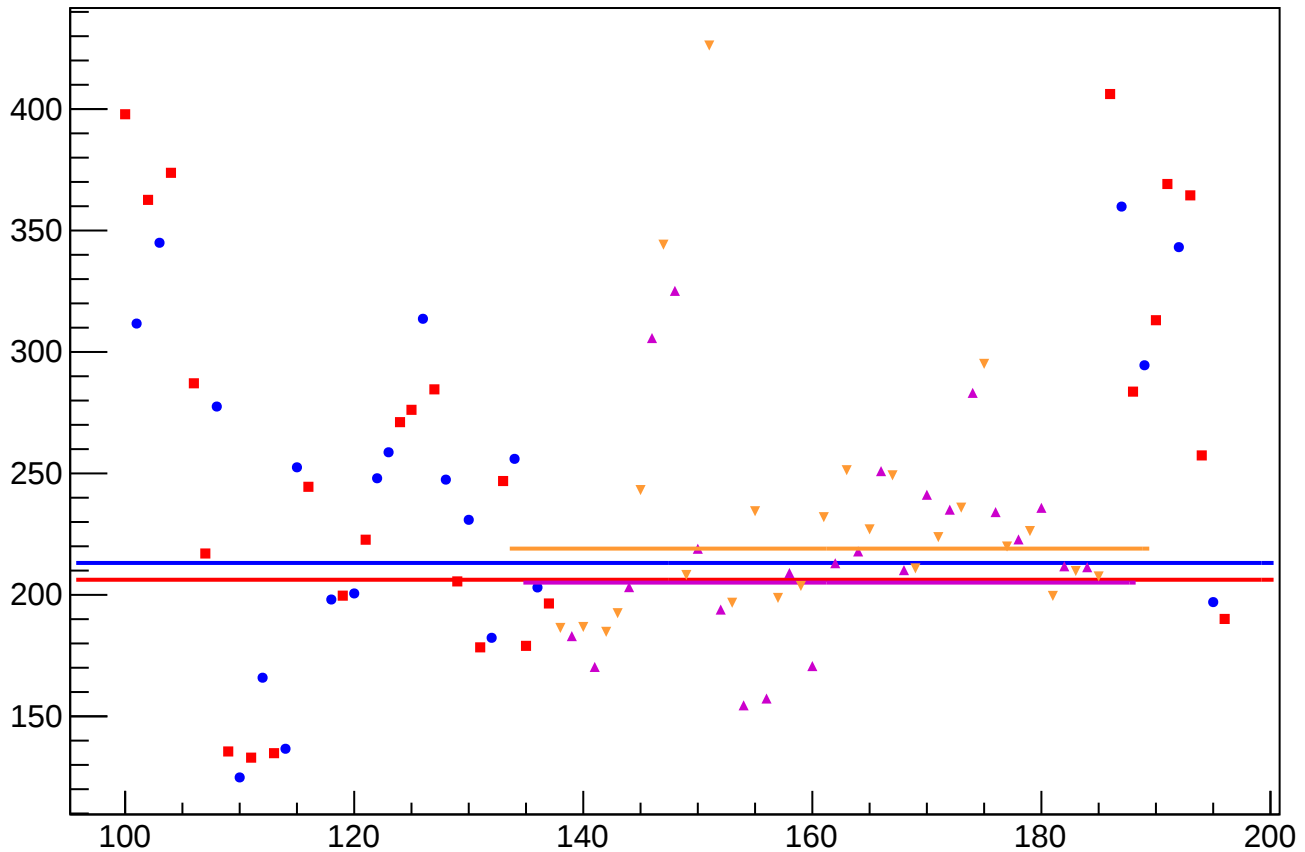
Left In: -370.408 ± 50.884 χ^2/NDF : 1223.2/22

+ sign 174.766 ± 42.818 χ^2/NDF : 3174.1/45

All: -159.050 ± 29.319 χ^2/NDF : 8300.3/94

- sign -453.738 ± 40.230 χ^2/NDF : 5011.7/48

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: 206.228 $\pm$ 0.046 χ^2 /NDF: 2257557.1/25

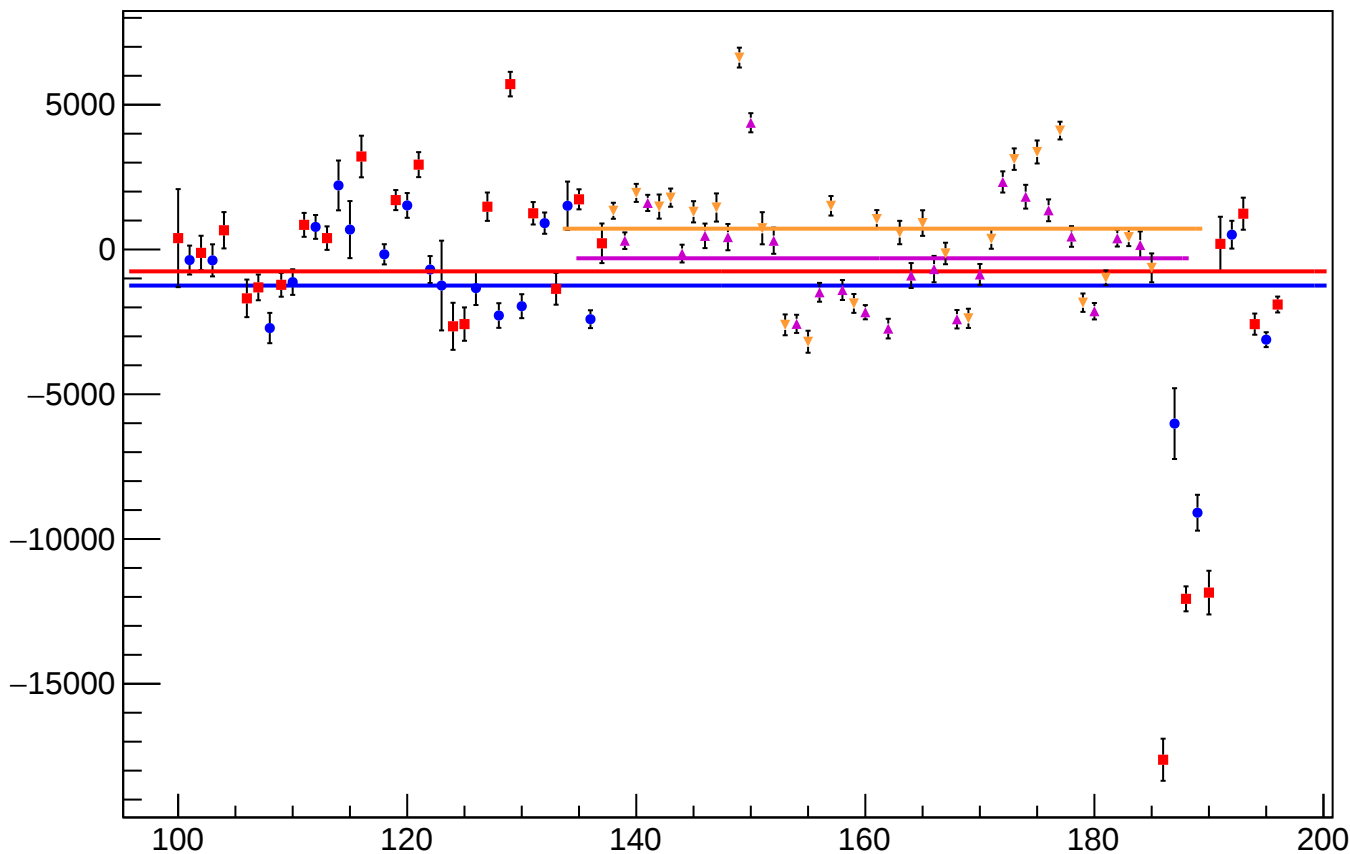
Left In: 205.046 $\pm$ 0.036 χ^2 /NDF:1144197.1/22

+ sign 217.101 $\pm$ 0.030 χ^2 /NDF: 2344510.6/45

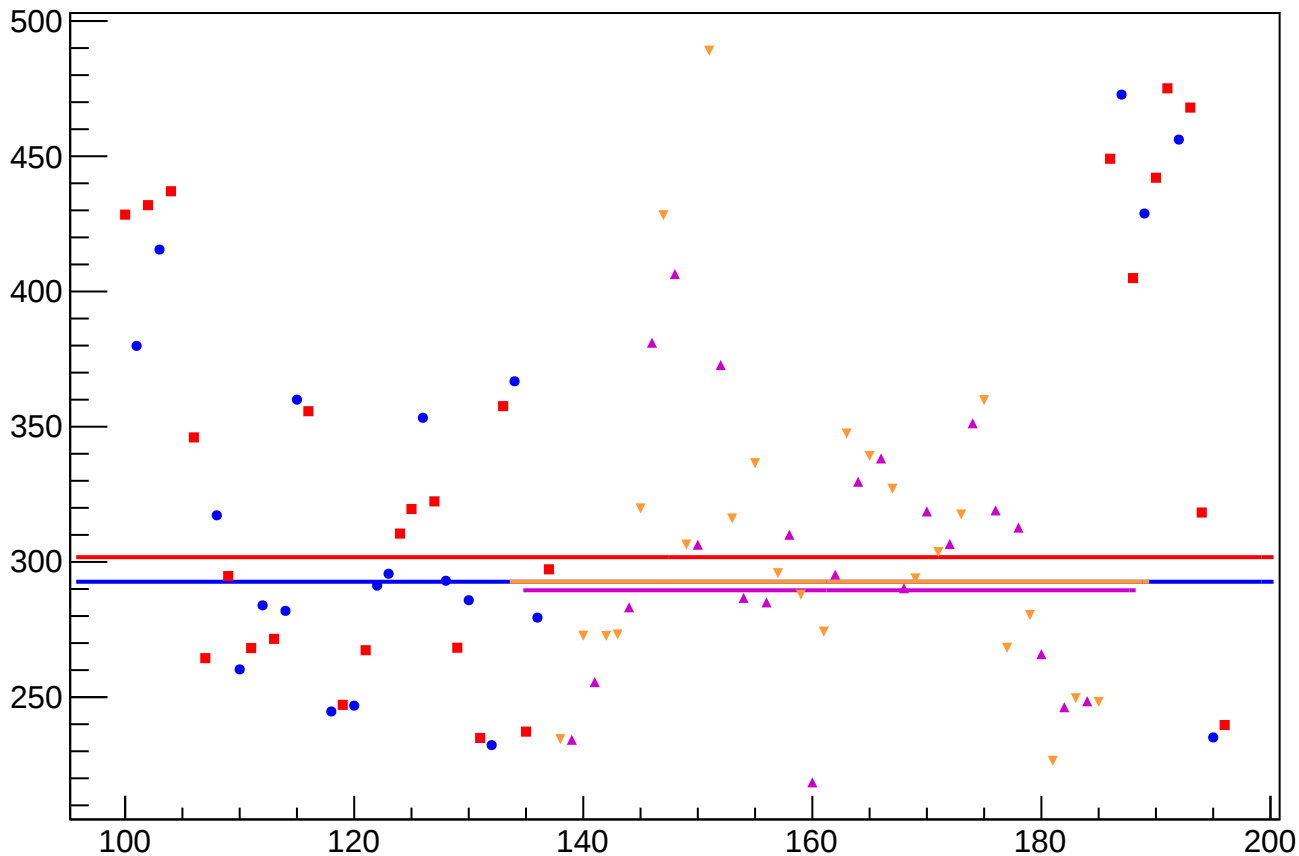
All: 210.934 $\pm$ 0.021 χ^2 /NDF: 5824789.6/94

- sign 205.489 $\pm$ 0.028 χ^2 /NDF: 3402158.6/48

asym_bpm0r03WS_mean vs Slug



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: 301.765 $\pm$ 0.066 χ^2 /NDF: 1111892.8/25

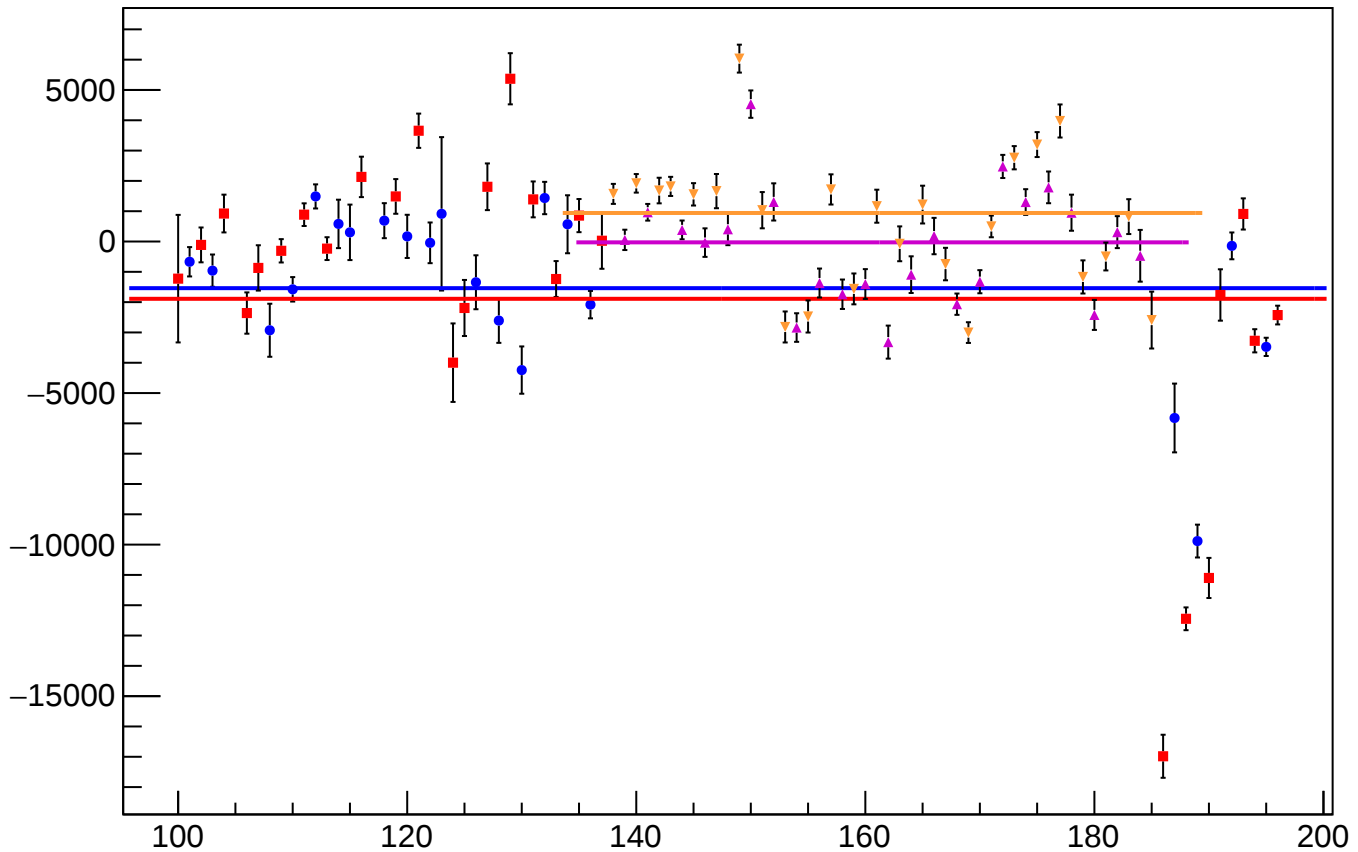
Left In: 289.522 $\pm$ 0.050 χ^2 /NDF: 777901.0/22

+ sign 292.682 $\pm$ 0.040 χ^2 /NDF: 1739242.2/45

All: 293.363 $\pm$ 0.028 χ^2 /NDF: 3651499.8/94

- sign 294.026 $\pm$ 0.040 χ^2 /NDF: 1911698.2/48

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: -1890.221 ± 106.561 χ^2/NDF : 1932.9/25

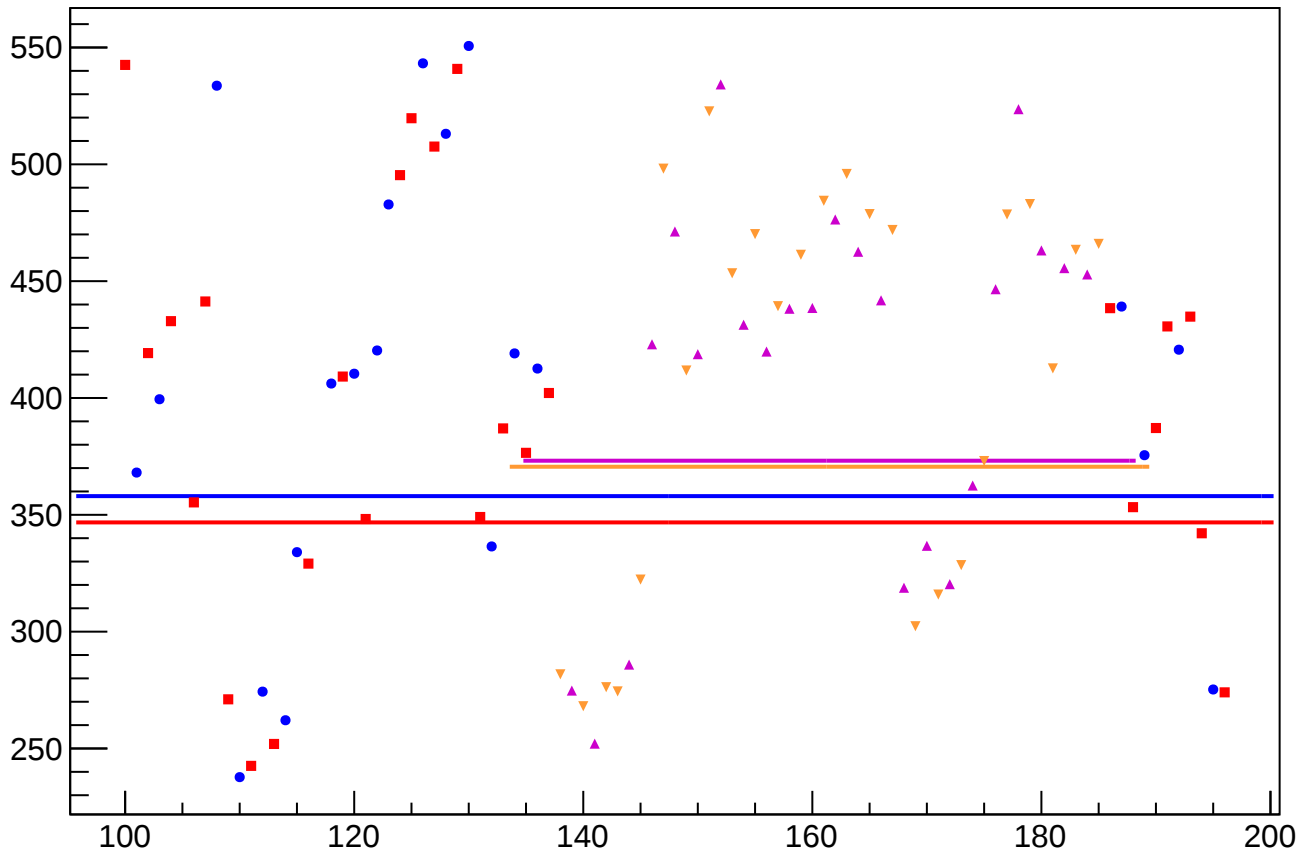
Left In: -27.763 ± 92.331 χ^2/NDF : 362.5/22

+ sign 86.186 ± 72.135 χ^2/NDF : 1268.6/45

All: -385.252 ± 50.154 χ^2/NDF : 3821.2/94

- sign -826.420 ± 69.781 χ^2/NDF : 2469.9/48

asym_bpm0r05WS_rms vs Slug



Right In: 358.005+/-0.087 χ^2/NDF : 979043.6/20

Left Out: 370.580+/-0.063 χ^2/NDF : 1878118.9/24

Right Out: 346.752+/-0.075 χ^2/NDF : 1046791.6/25

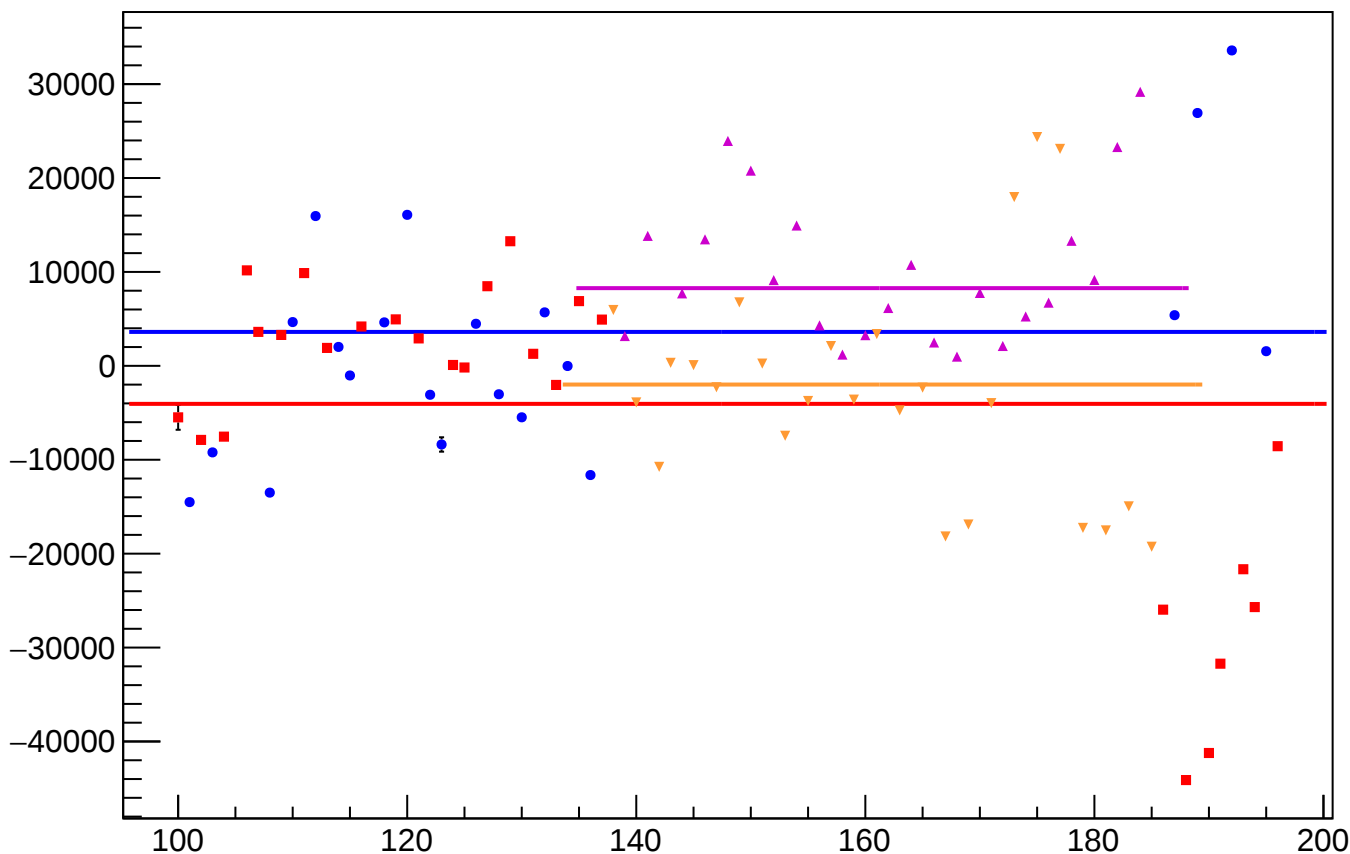
Left In: 373.161+/-0.065 χ^2/NDF : 1636244.2/22

+ sign 366.243+/-0.051 χ^2/NDF : 2870894.2/45

All: 363.967+/-0.035 χ^2/NDF : 5627946.0/94

- sign 361.836+/-0.049 χ^2/NDF : 2753195.6/48

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: -4049.137+/-44.802 χ^2/NDF : 126987.7/25

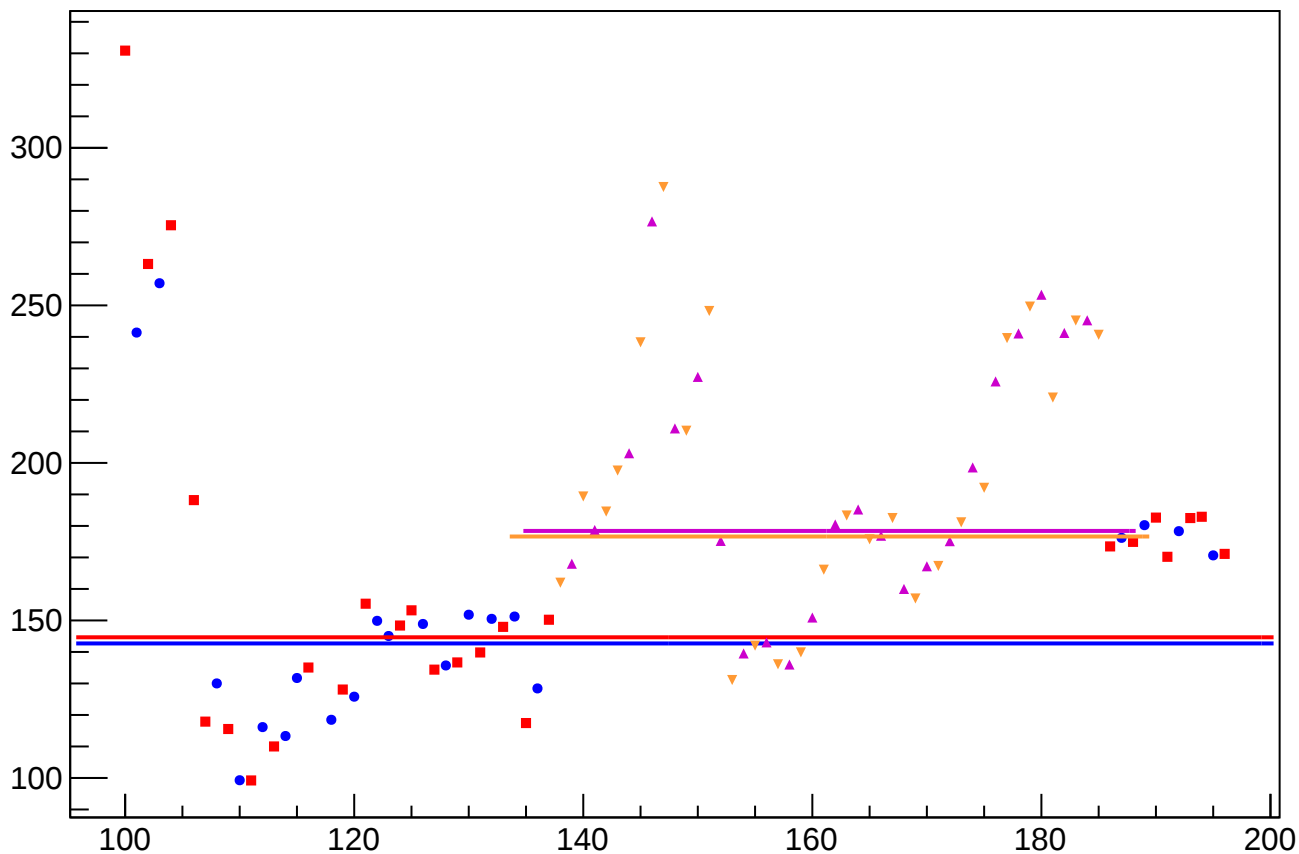
Left In: 8273.228+/-44.301 χ^2/NDF : 22870.2/22

+ sign 382.178+/-32.210 χ^2/NDF : 139258.1/45

All: 1301.782+/-22.521 χ^2/NDF : 328959.2/94

- sign 2181.343+/-31.501 χ^2/NDF : 188106.5/48

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: 144.652 $\pm$ 0.032 χ^2 /NDF: 1221837.7/25

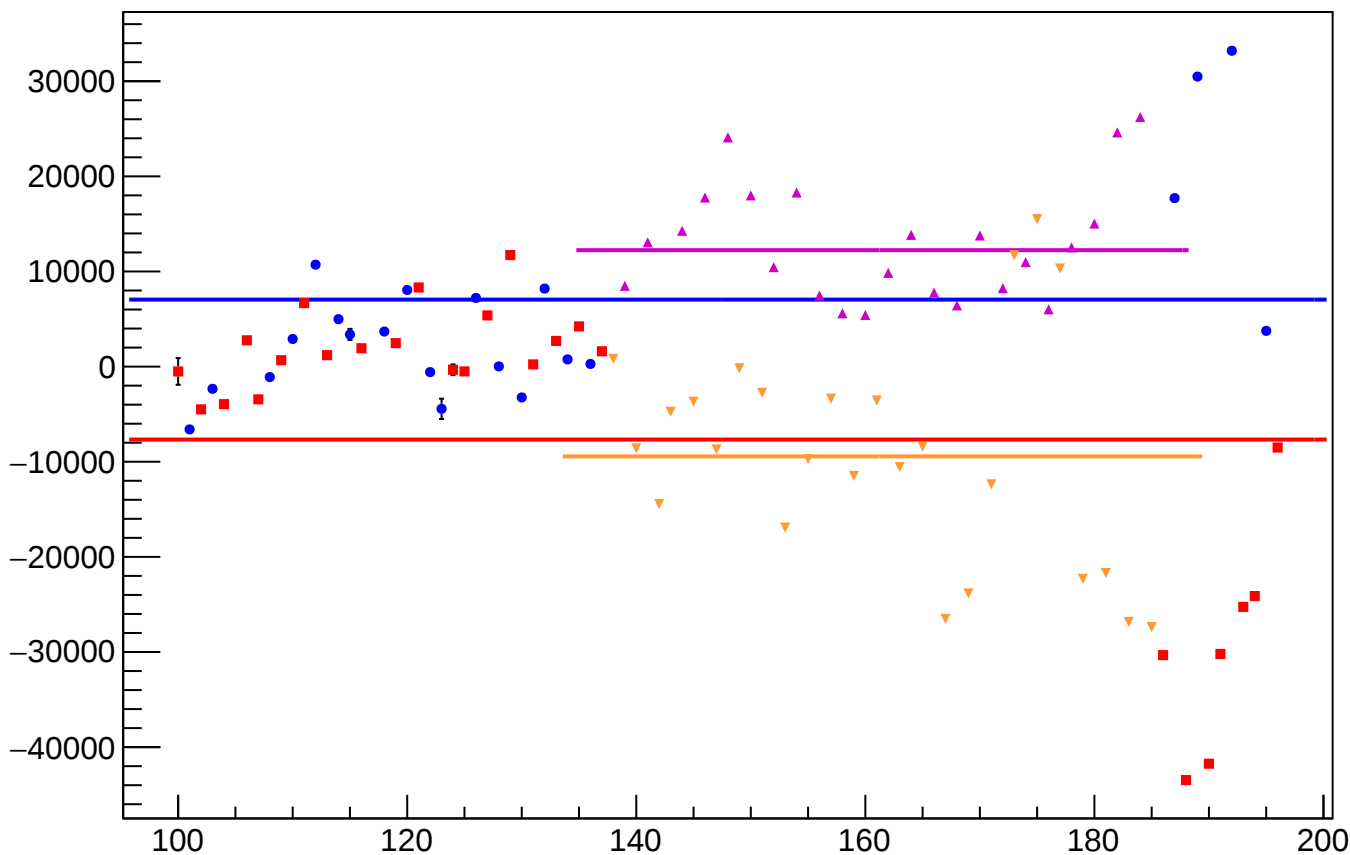
Left In: 178.413 $\pm$ 0.031 χ^2 /NDF:1293736.2/22

+ sign 162.263 $\pm$ 0.023 χ^2 /NDF: 2958115.5/45

All: 161.987 $\pm$ 0.016 χ^2 /NDF: 6048205.1/94

- sign 161.723 $\pm$ 0.022 χ^2 /NDF: 3089802.2/48

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: -7667.264+/-53.252 χ^2/NDF : 95981.8/25

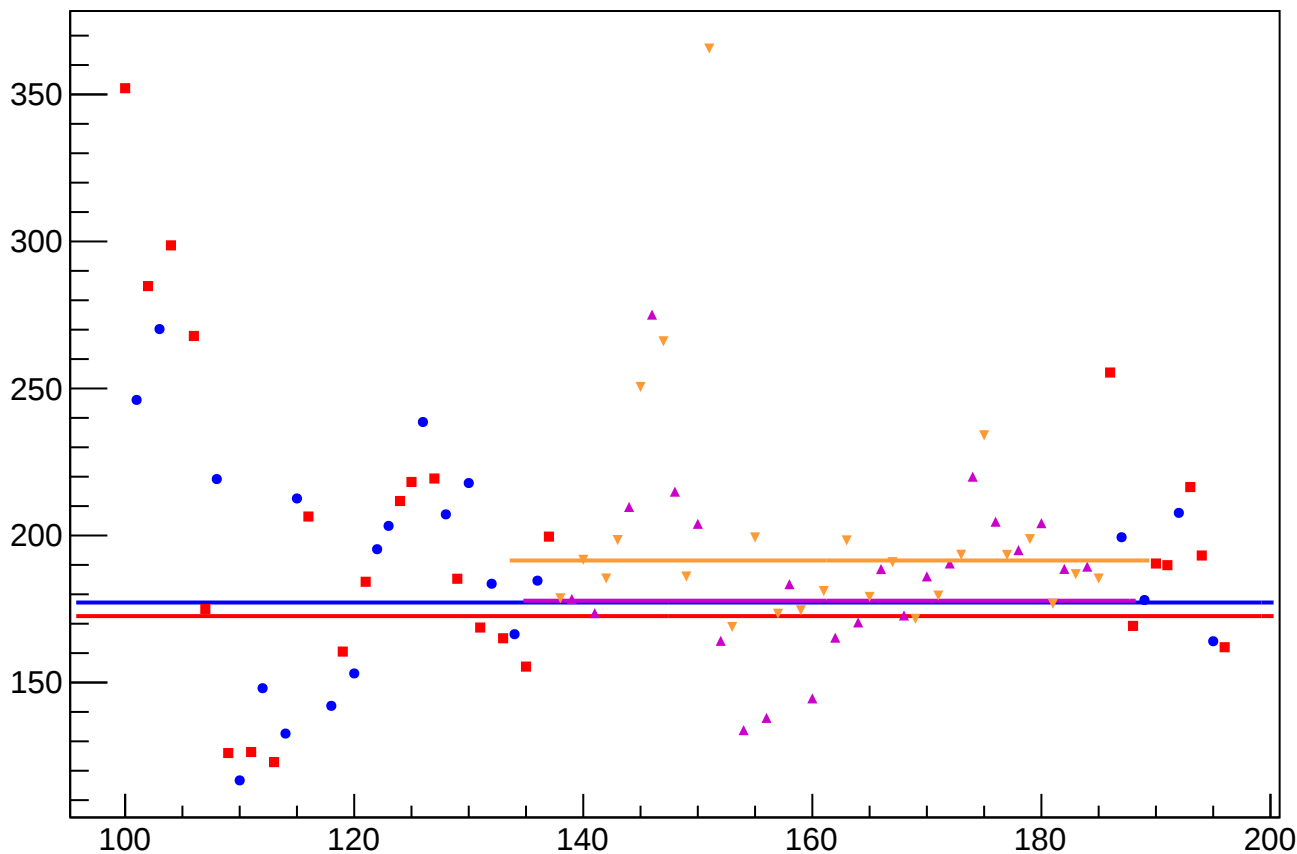
Left In: 12242.226+/-43.944 χ^2/NDF : 16615.8/22

+ sign -3526.319+/-36.466 χ^2/NDF : 140169.5/45

All: 606.416+/-24.826 χ^2/NDF : 359861.1/94

- sign 4176.741+/-33.894 χ^2/NDF : 195751.6/48

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: 172.584 $\pm$ 0.038 χ^2 /NDF: 1119819.8/25

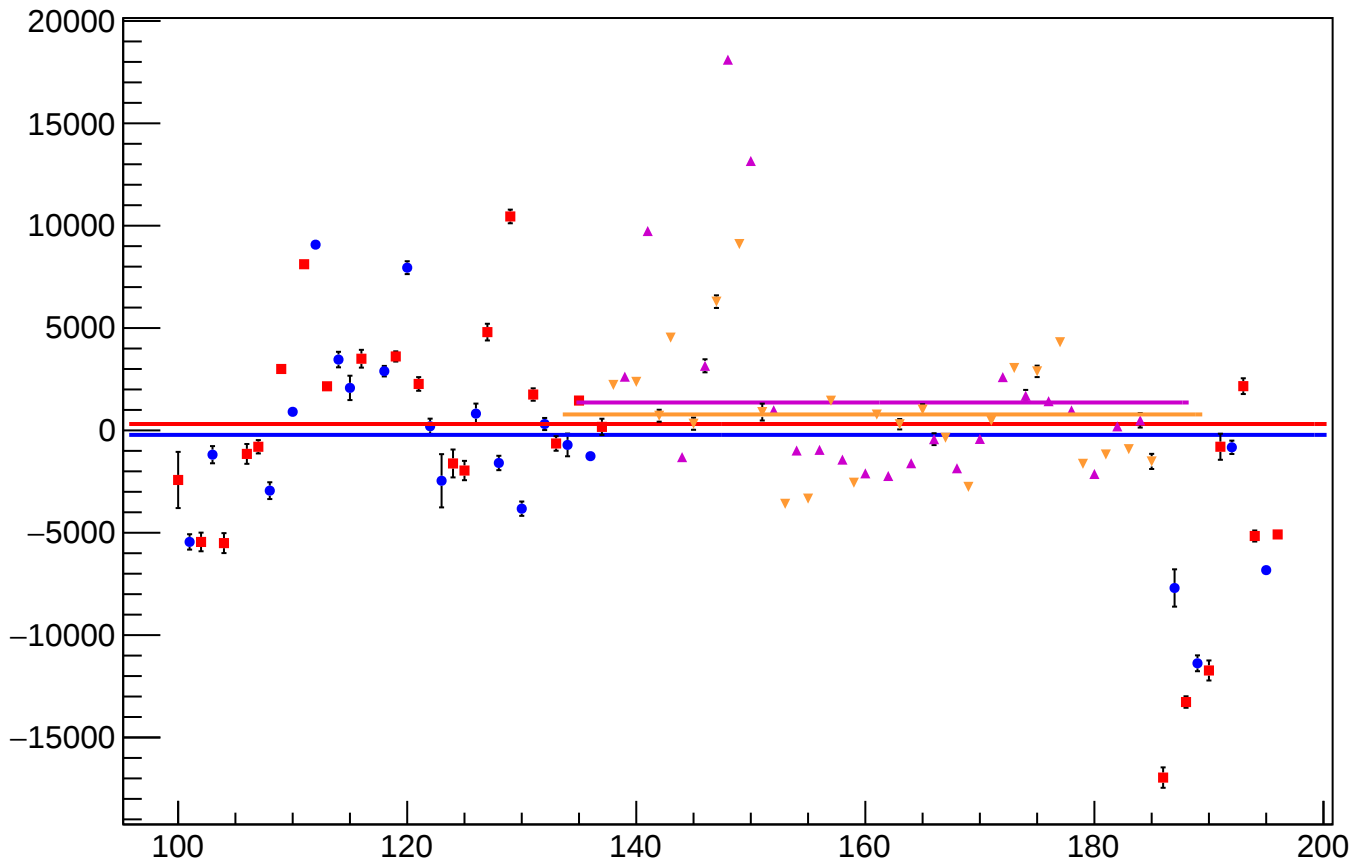
Left In: 177.821 $\pm$ 0.031 χ^2 /NDF: 862494.4/22

+ sign 186.378 $\pm$ 0.026 χ^2 /NDF: 1540282.3/45

All: 180.649 $\pm$ 0.018 χ^2 /NDF: 3626121.0/94

- sign 175.700 $\pm$ 0.024 χ^2 /NDF: 1993823.6/48

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: 312.459 ± 60.525 χ^2/NDF : 9002.5/25

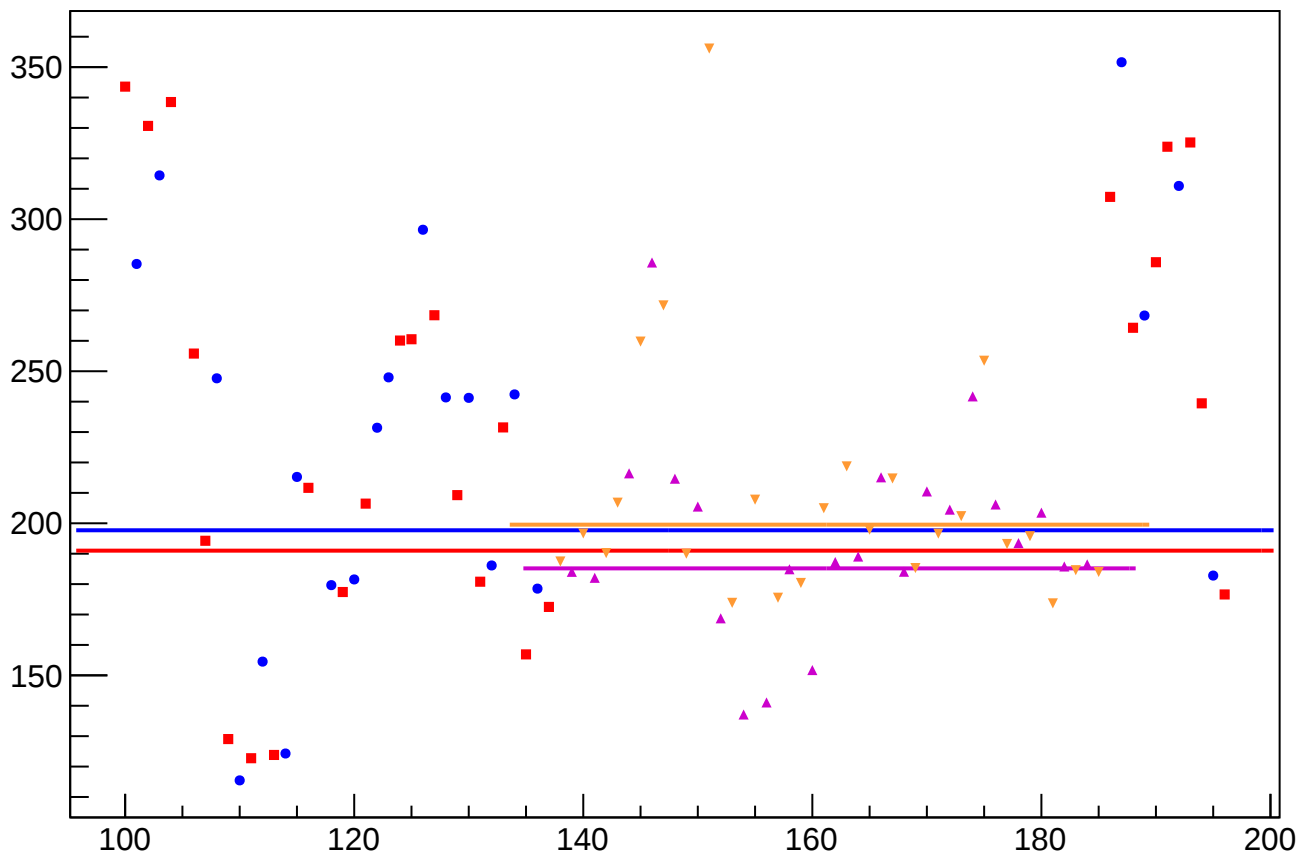
Left In: 1363.043 ± 45.807 χ^2/NDF : 11632.9/22

+ sign 459.730 ± 39.117 χ^2/NDF : 9433.4/45

All: 737.903 ± 26.696 χ^2/NDF : 30355.0/94

- sign 980.438 ± 36.525 χ^2/NDF : 20826.9/48

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: 191.002 $\pm$ 0.043 χ^2 /NDF: 2124066.6/25

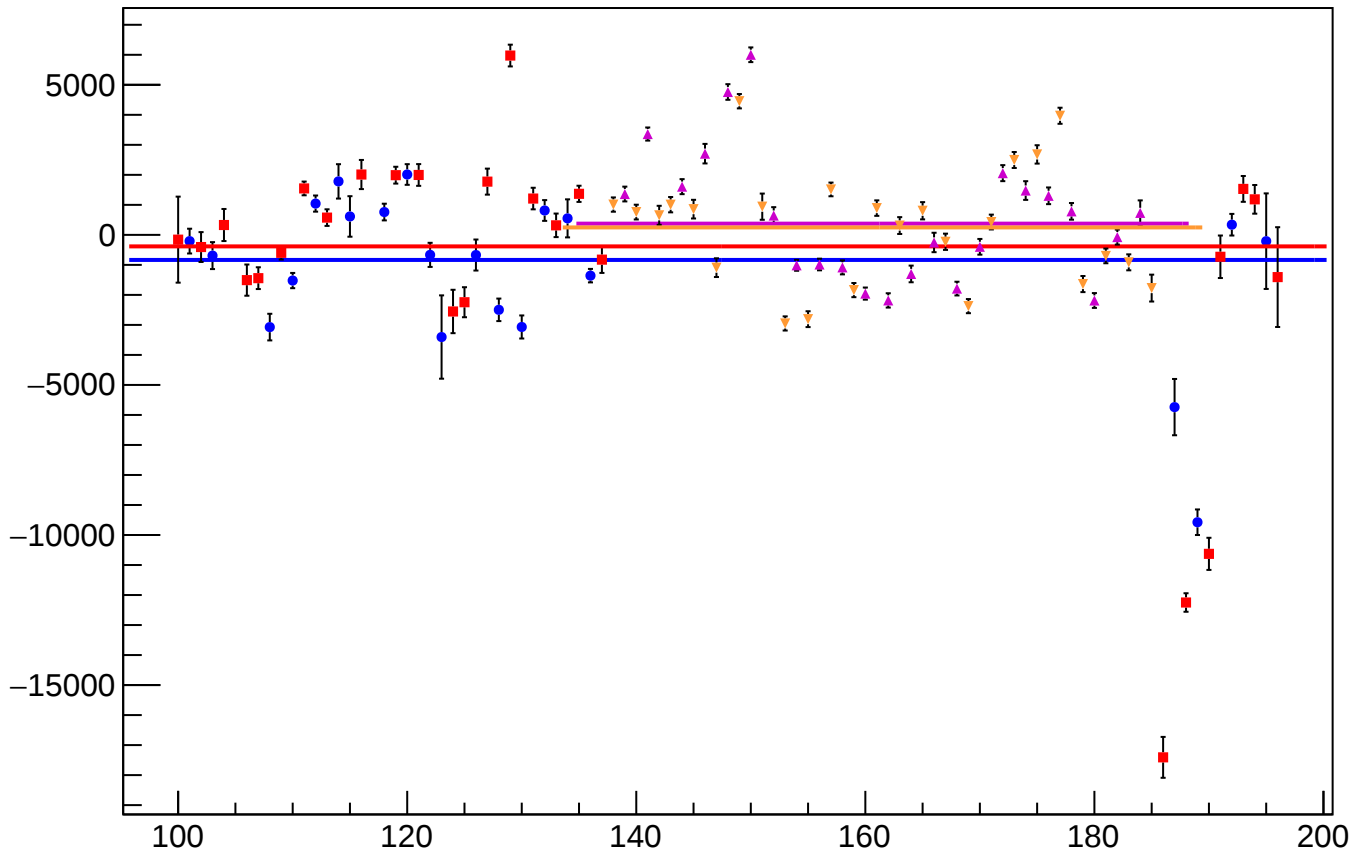
Left In: 185.171 $\pm$ 0.032 χ^2 /NDF: 882752.2/22

+ sign 198.955 $\pm$ 0.028 χ^2 /NDF: 2103232.4/45

All: 192.726 $\pm$ 0.019 χ^2 /NDF: 5216799.0/94

- sign 187.294 $\pm$ 0.026 χ^2 /NDF: 3018624.3/48

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: -383.667 ± 75.340 χ^2/NDF : 3162.2/25

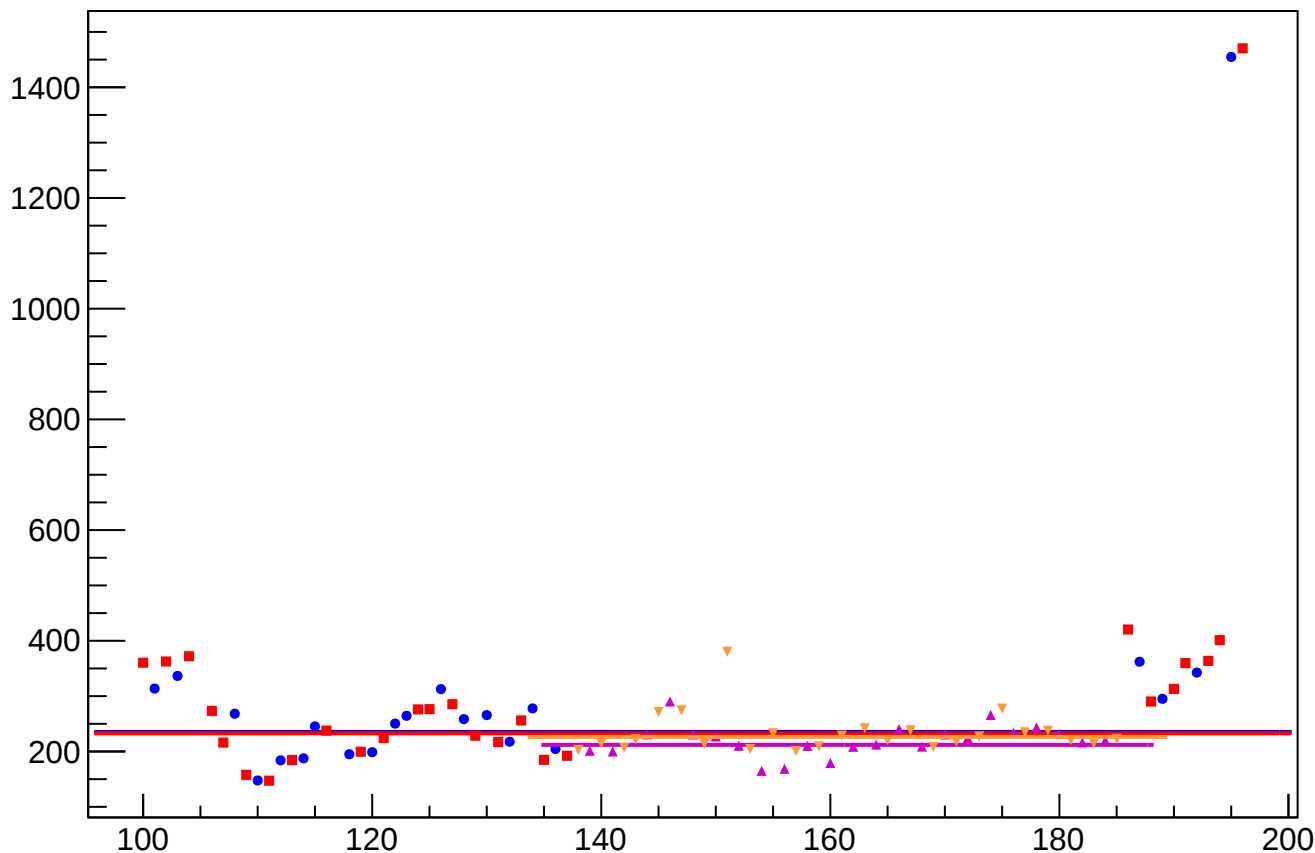
Left In: 374.122 ± 52.049 χ^2/NDF : 1801.0/22

+ sign -64.955 ± 45.164 χ^2/NDF : 2232.8/45

All: 37.332 ± 31.075 χ^2/NDF : 7274.2/94

- sign 129.293 ± 42.823 χ^2/NDF : 5031.7/48

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: 232.680 $\pm$ 0.053 χ^2 /NDF: 2913252.4/25

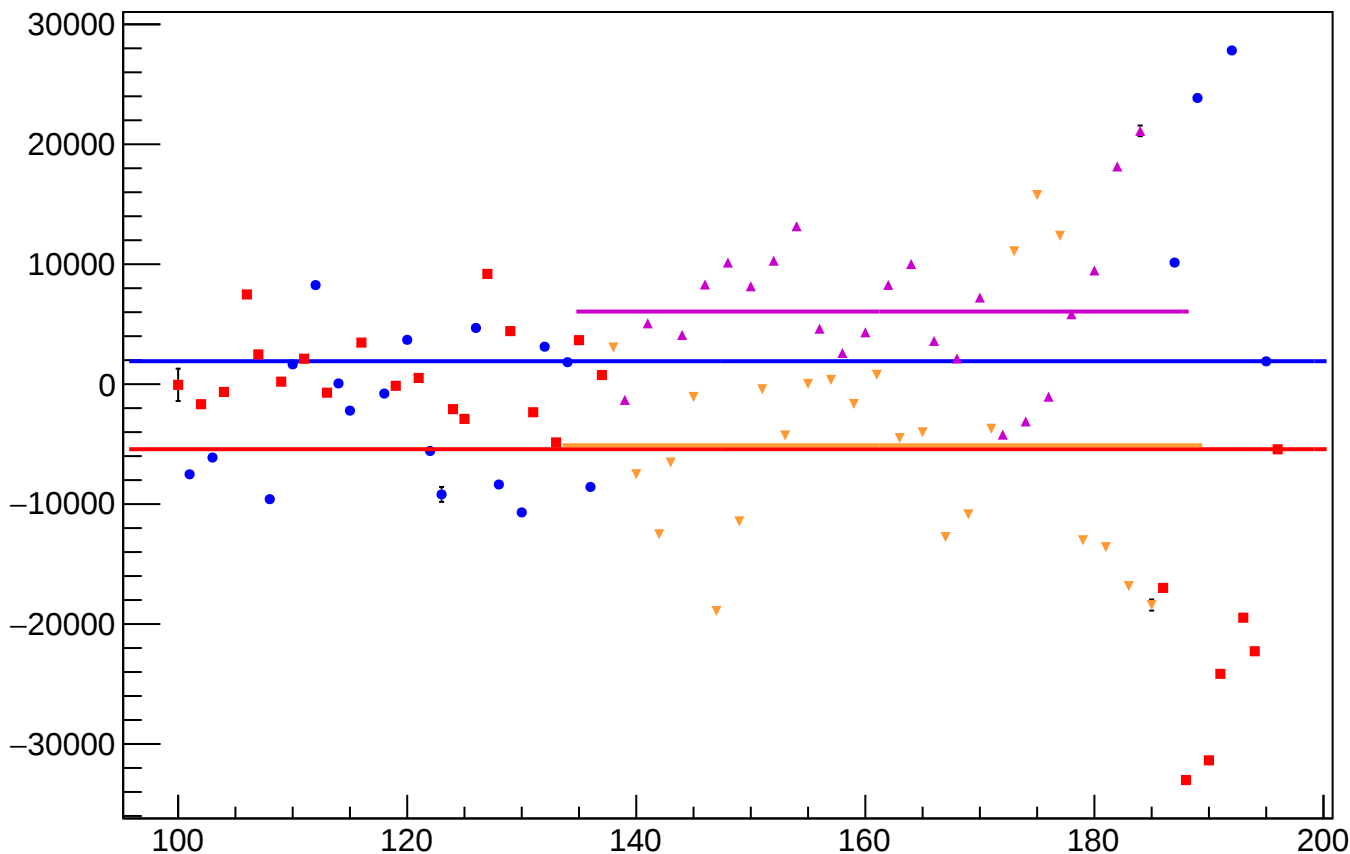
Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

+ sign 228.937 $\pm$ 0.032 χ^2 /NDF: 2659620.9/45

All: 223.526 $\pm$ 0.022 χ^2 /NDF: 6314037.1/94

- sign 218.661 $\pm$ 0.030 χ^2 /NDF: 3599895.6/48

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: -5422.762+/-37.754 χ^2/NDF : 99652.5/25

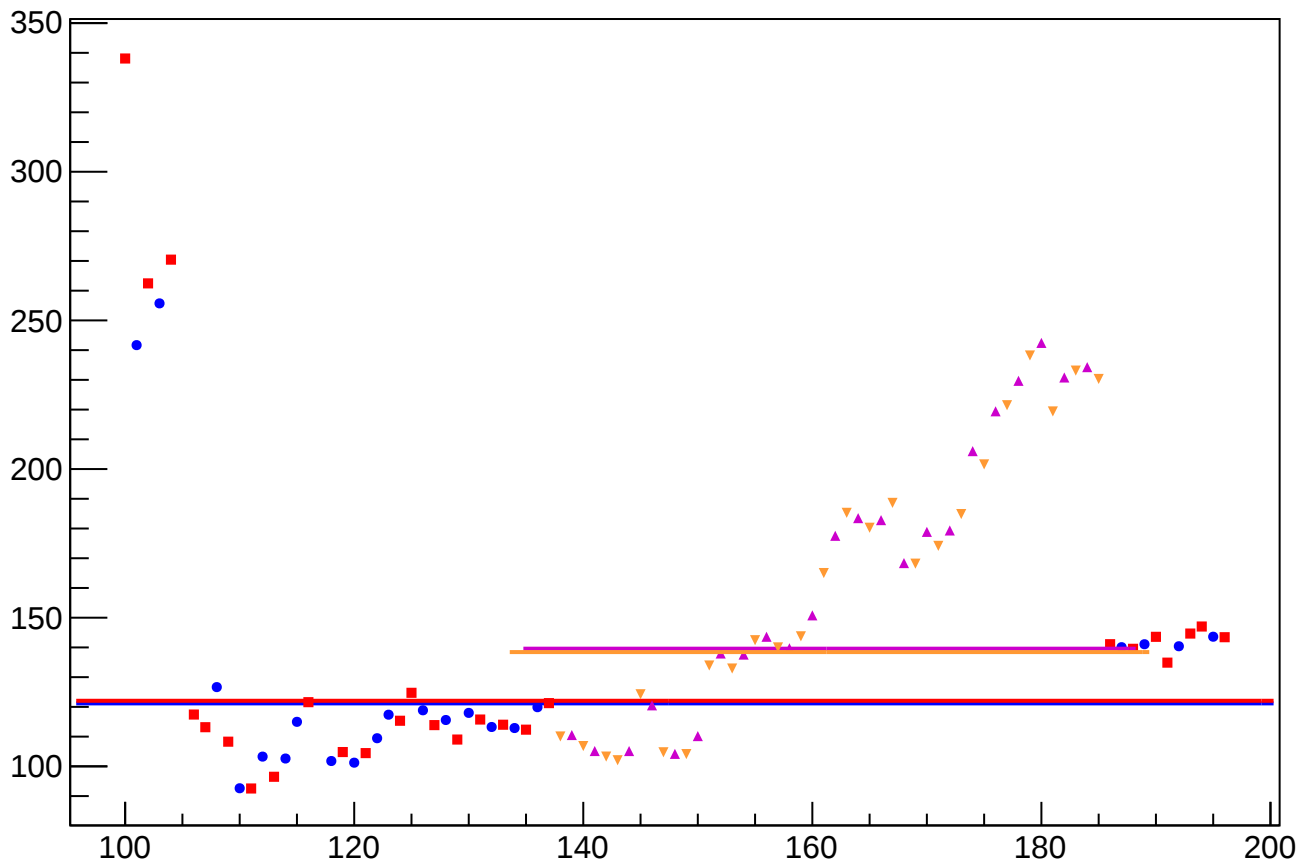
Left In: 6053.569+/-34.998 χ^2/NDF : 17590.3/22

+ sign -2362.376+/-26.325 χ^2/NDF : 137544.6/45

All: -767.016+/-18.377 χ^2/NDF : 311647.3/94

- sign 749.558+/-25.666 χ^2/NDF : 166938.6/48

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: 122.058+/-0.027 χ^2/NDF : 1050050.8/25

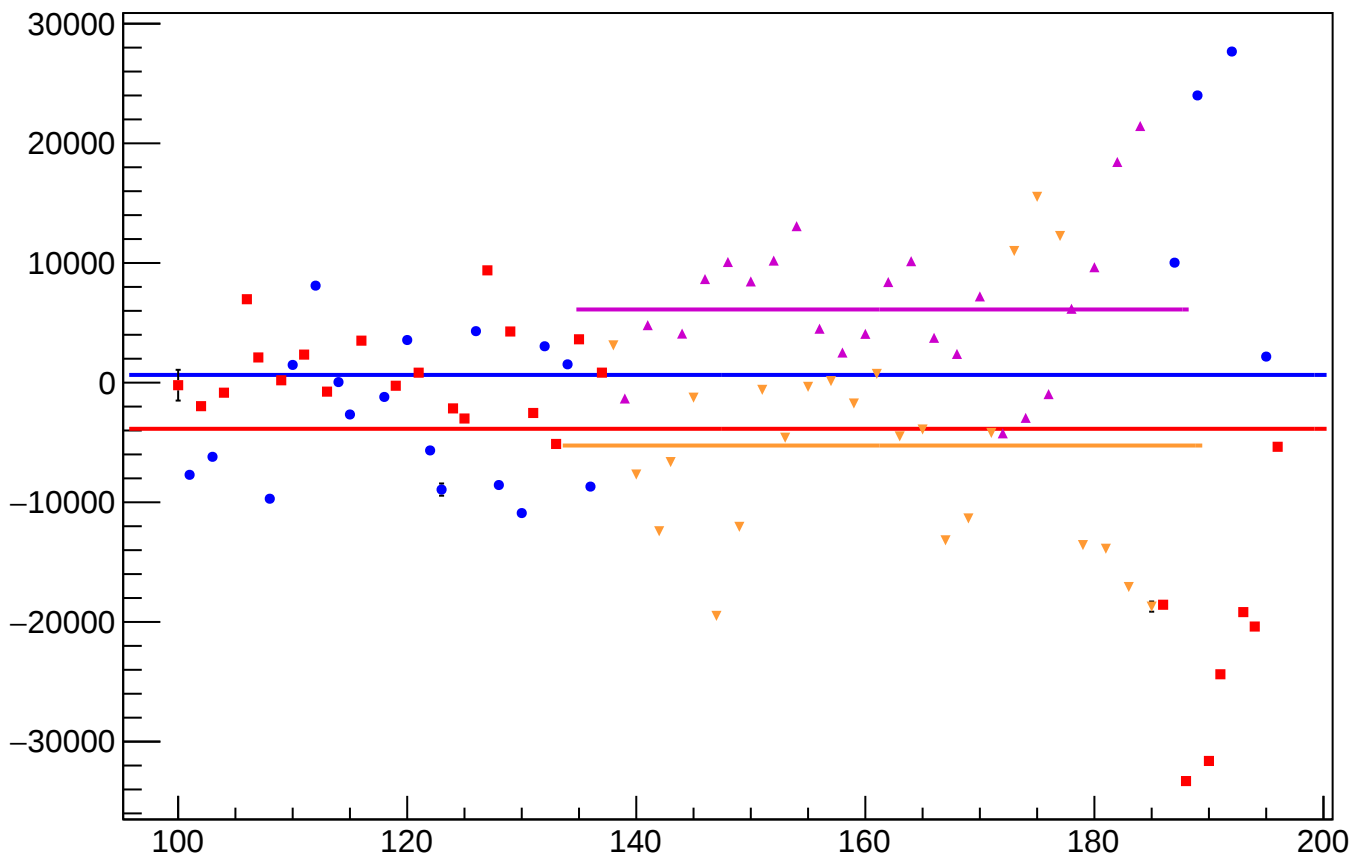
Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

+ sign 131.706+/-0.019 χ^2/NDF : 3622541.9/45

All: 131.590+/-0.013 χ^2/NDF : 7317958.0/94

- sign 131.481+/-0.018 χ^2/NDF : 3695341.2/48

asym_bpm1i04WS_mean vs Slug



Right In: 645.576 ± 36.770 $\chi^2/\text{NDF}: 70884.7/20$

Left Out: -5255.652 ± 30.622 $\chi^2/\text{NDF}: 64324.6/24$

Right Out: -3858.007 ± 33.439 $\chi^2/\text{NDF}: 107060.1/25$

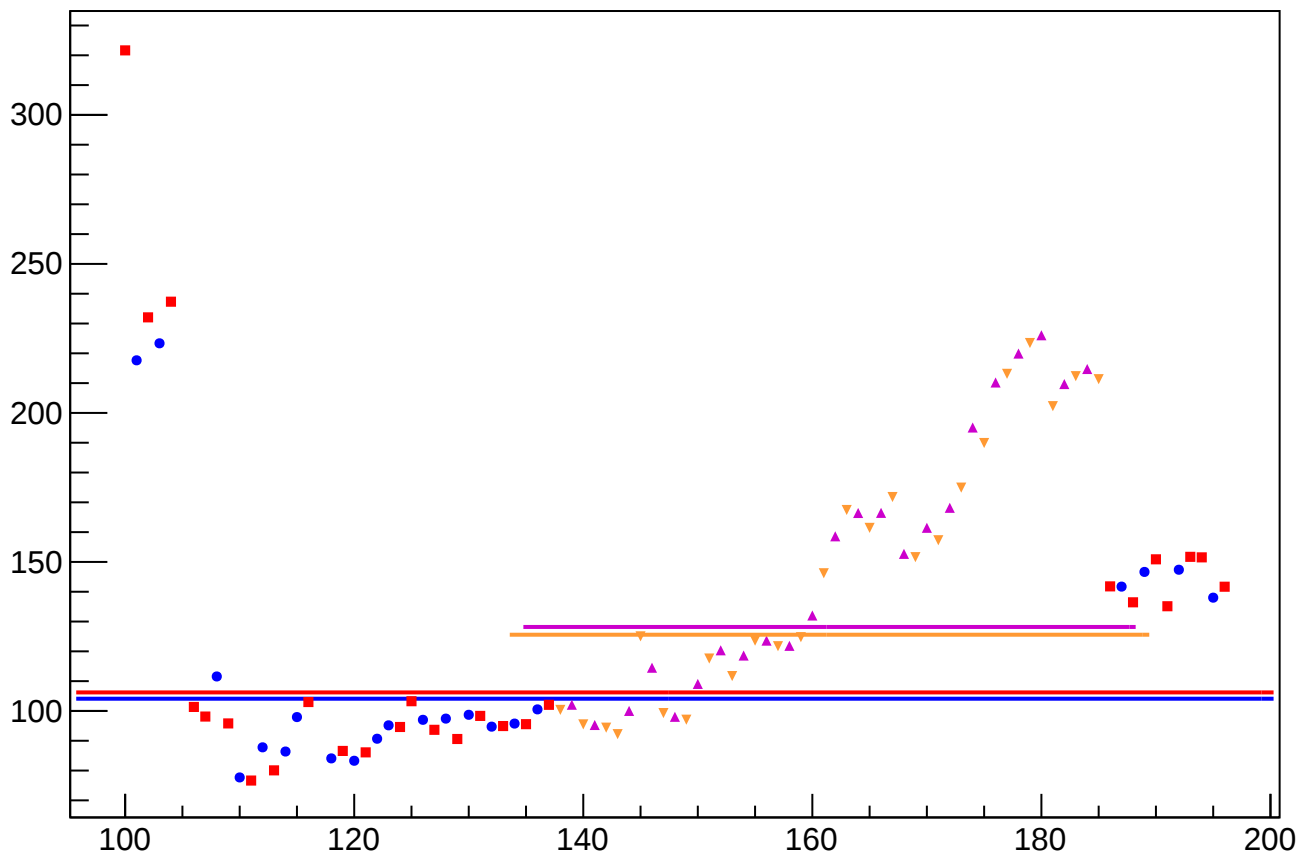
Left In: 6114.901 ± 32.126 $\chi^2/\text{NDF}: 21260.9/22$

+ sign -2838.992 ± 23.531 $\chi^2/\text{NDF}: 150418.0/45$

All: -722.943 ± 16.508 $\chi^2/\text{NDF}: 340919.8/94$

- sign 1328.110 ± 23.167 $\chi^2/\text{NDF}: 174576.5/48$

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: 106.219+/-0.024 χ^2/NDF : 1625755.0/25

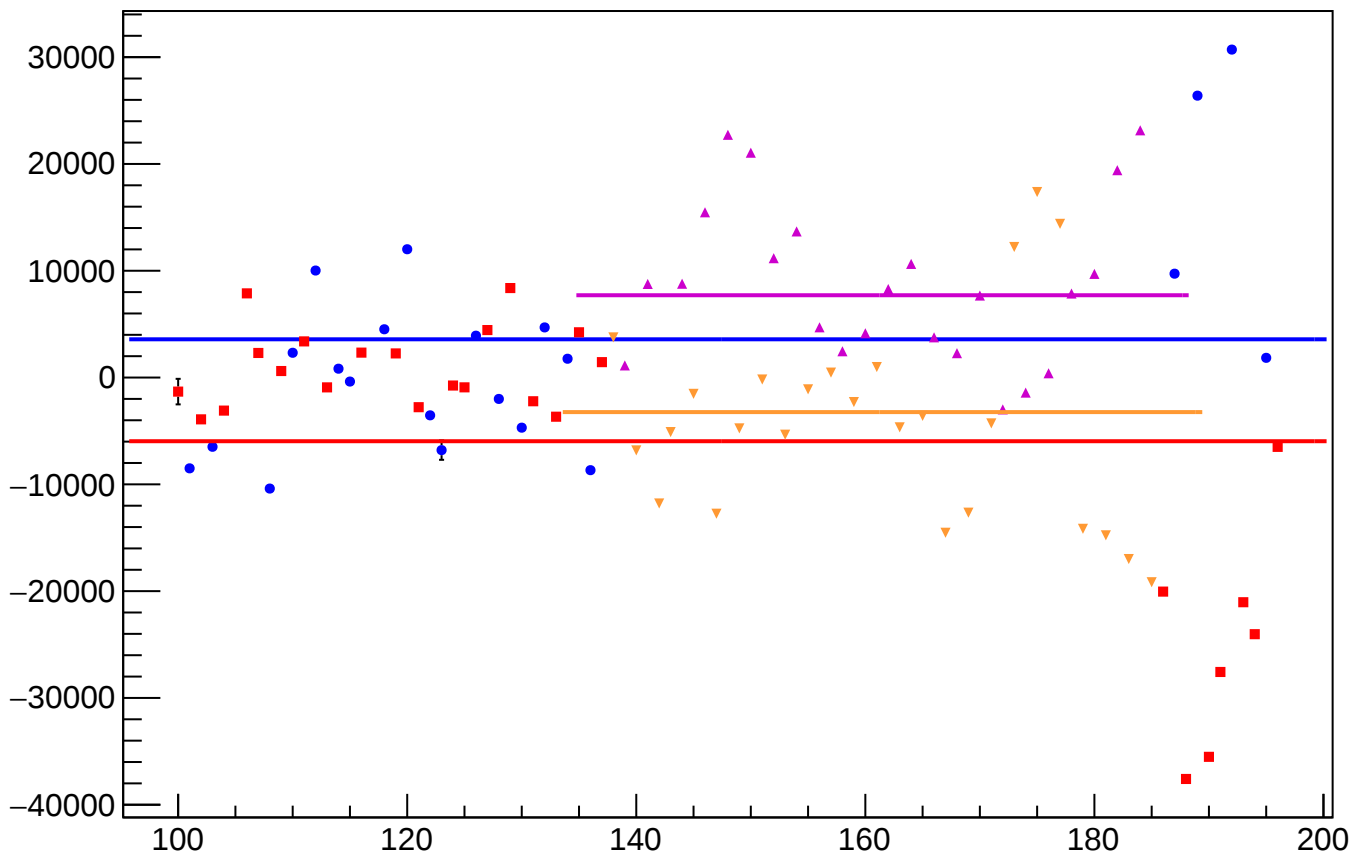
Left In: 128.184+/-0.023 χ^2/NDF : 2332977.5/22

+ sign 116.783+/-0.017 χ^2/NDF : 4237804.5/45

All: 117.219+/-0.012 χ^2/NDF : 8646643.5/94

- sign 117.641+/-0.016 χ^2/NDF : 4407490.0/48

asym_bpm1i06WS_mean vs Slug



Right In: 3581.167+/-49.153 χ^2/NDF : 52420.5/20

Left Out: -3234.922+/-40.583 χ^2/NDF : 36739.9/24

Right Out: -5961.892+/-44.387 χ^2/NDF : 88775.5/25

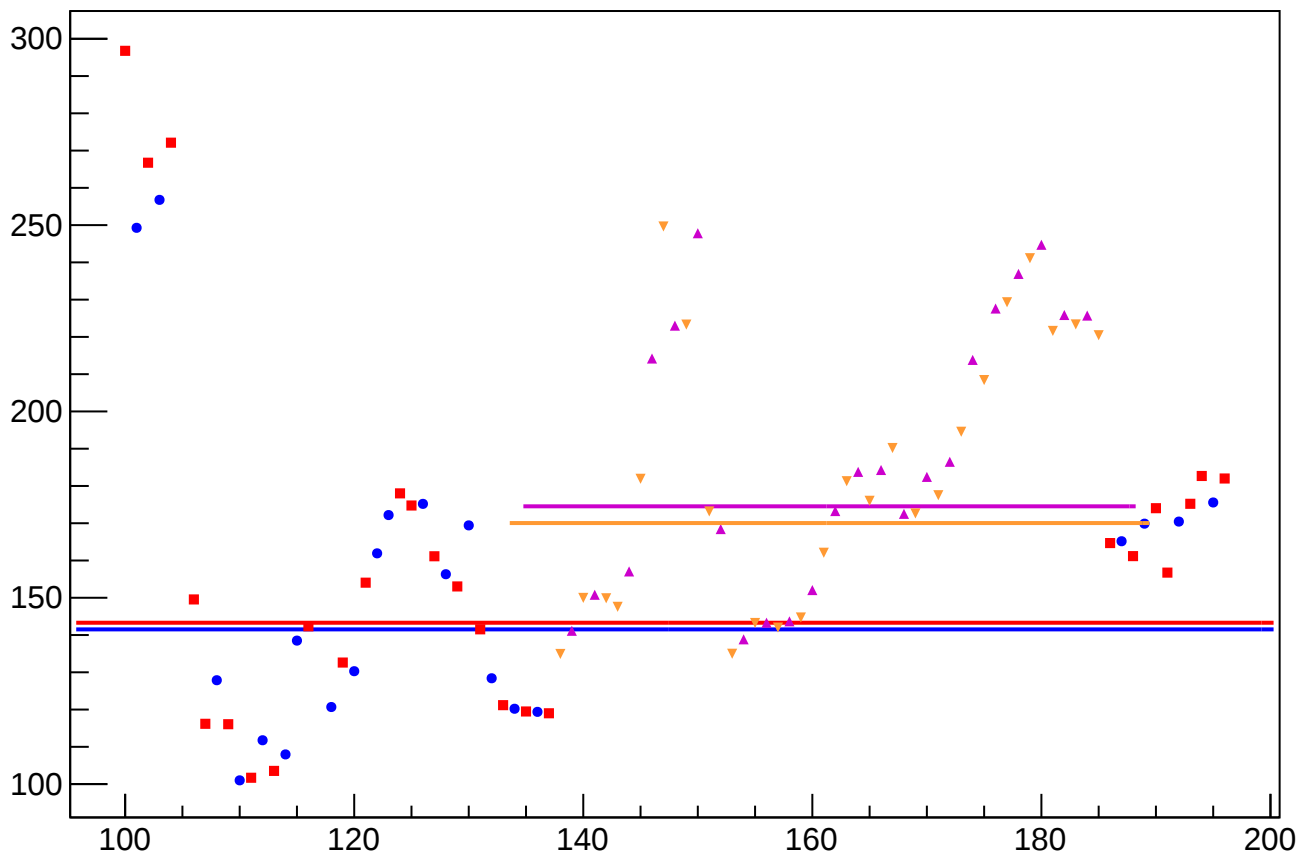
Left In: 7707.068+/-42.990 χ^2/NDF : 21268.3/22

+ sign -471.967+/-31.295 χ^2/NDF : 100595.2/45

All: 319.982+/-21.981 χ^2/NDF : 260835.2/94

- sign 1091.121+/-30.881 χ^2/NDF : 158976.0/48

asym_bpm1i06WS_rms vs Slug



Right In: 141.513+/-0.035 χ^2/NDF : 969604.5/20

Left Out: 170.050+/-0.029 χ^2/NDF : 1240866.9/24

Right Out: 143.299+/-0.031 χ^2/NDF : 1213349.3/25

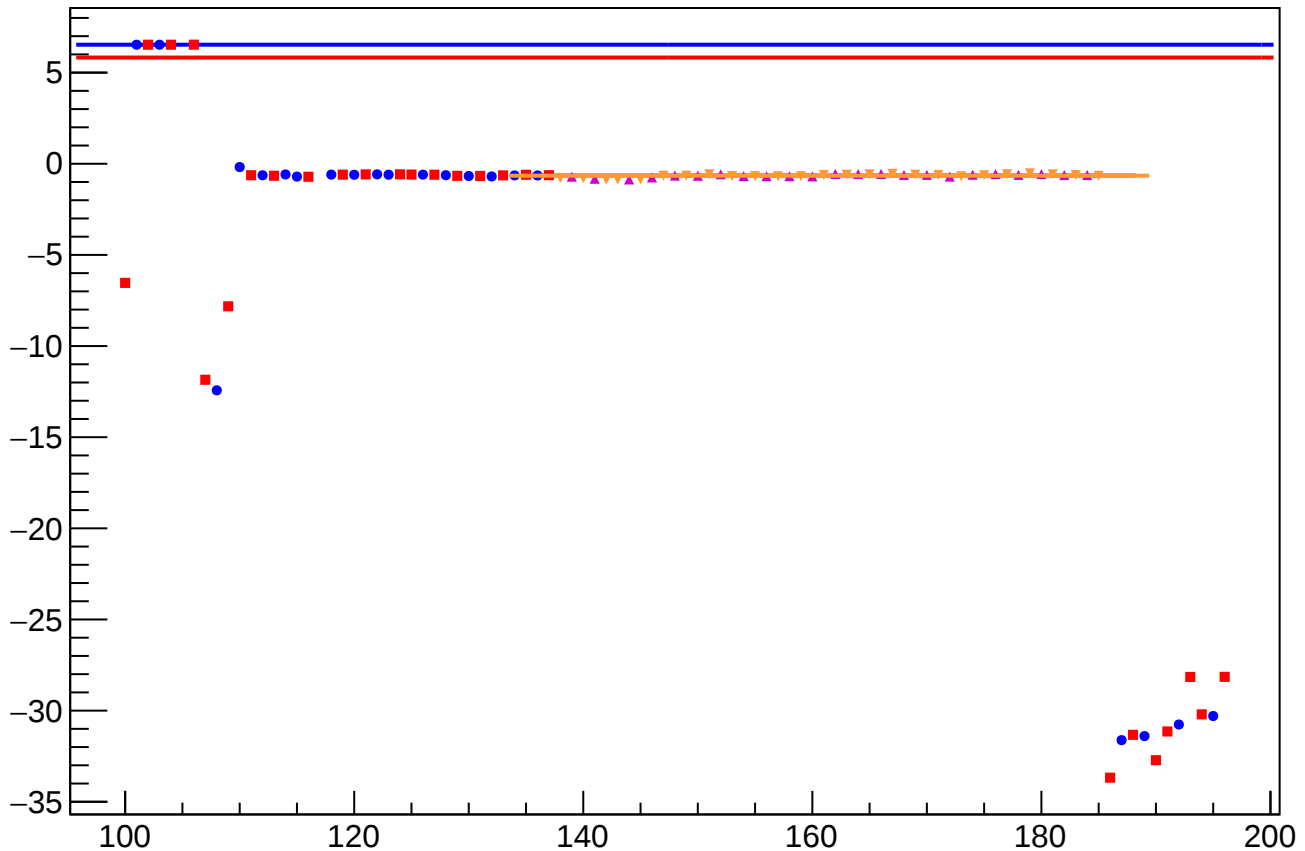
Left In: 174.539+/-0.030 χ^2/NDF : 1210071.2/22

+ sign 158.482+/-0.022 χ^2/NDF : 2611326.7/45

All: 158.957+/-0.016 χ^2/NDF : 5546840.8/94

- sign 159.419+/-0.022 χ^2/NDF : 2934606.8/48

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 : 755947638282480.5/25

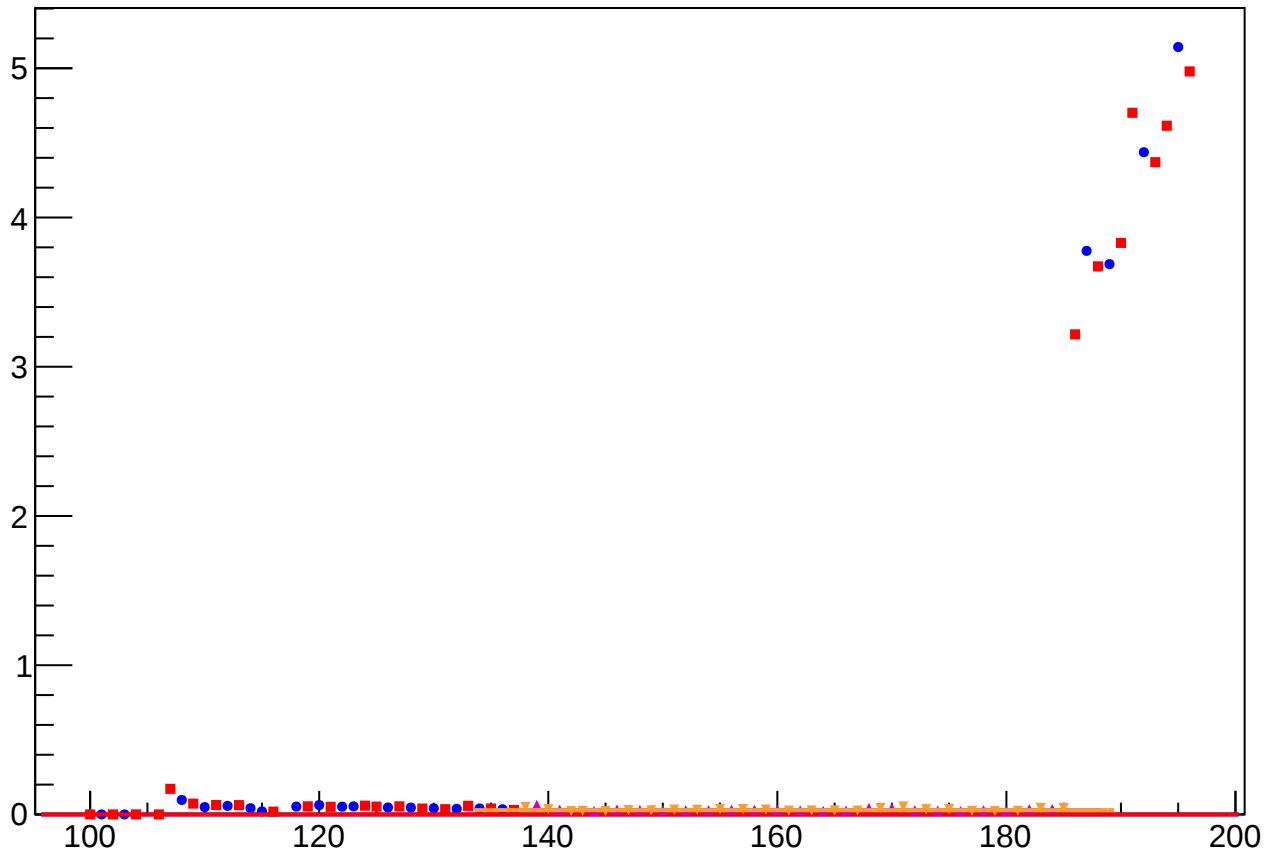
Left In: -0.644 $\pm$ 0.000 χ^2/NDF : 122913584.0/22

+ sign 6.530 $\pm$ 0.000 χ^2/NDF : 999122149764.8/45

All: 6.153 $\pm$ 0.000 χ^2/NDF : 77760191066702

- sign 5.826 $\pm$ 0.000 χ^2/NDF : 756618982892596.6/45

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 : 17527970.0/25

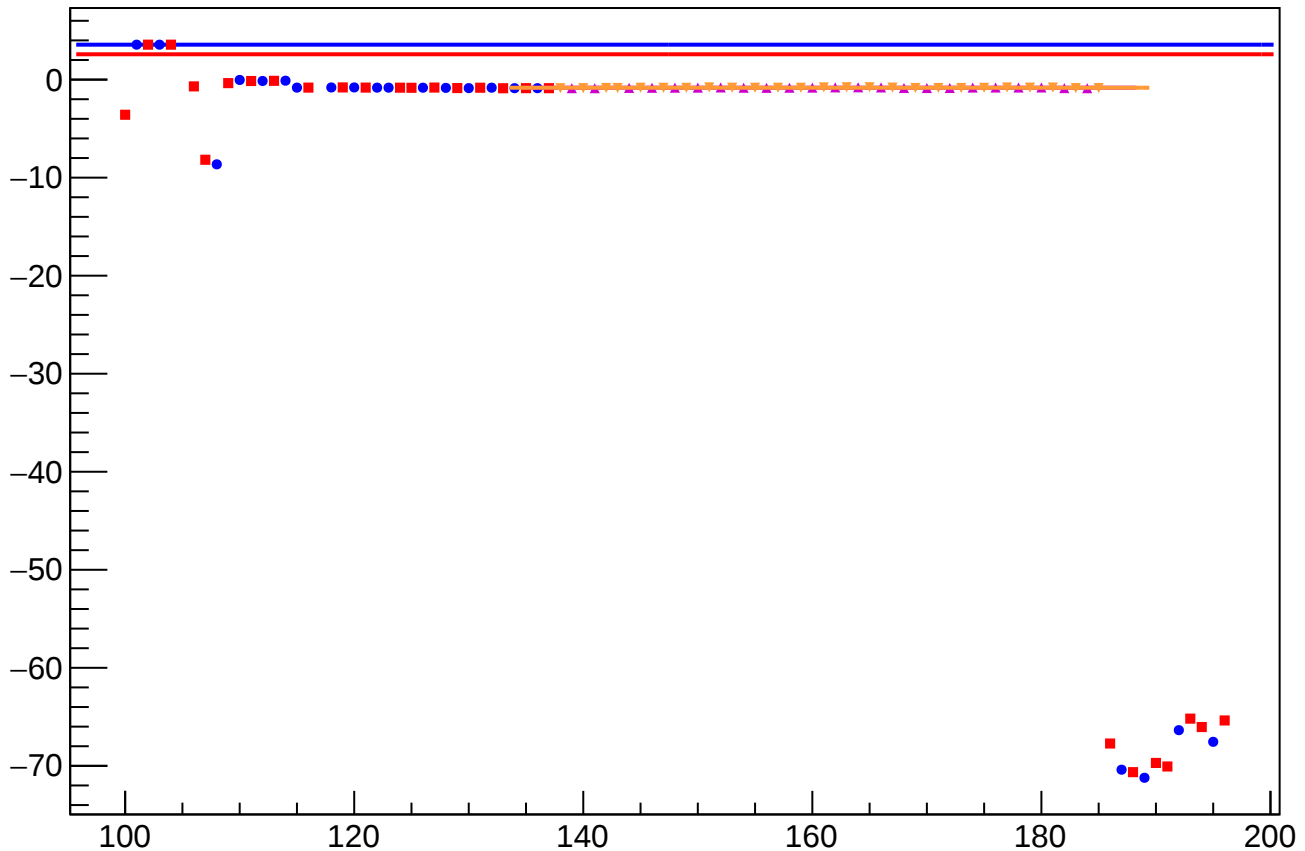
Left In: 0.029+/-0.000 χ^2/NDF :1164030.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 43487898.9/45

All: 0.000+/-0.000 χ^2/NDF : 88982250.8/94

- sign 0.000+/-0.000 χ^2/NDF : 45493669.2/48

yield_cav4bY_mean vs Slug



Right In: 3.563 ± 0.000 $\chi^2/\text{NDF}: 492726361395.0/20$

Left Out: -0.828 ± 0.000 $\chi^2/\text{NDF}: 168178464.8/24$

+ sign 3.560 ± 0.000 $\chi^2/\text{NDF}: 4174883053945.4/45$

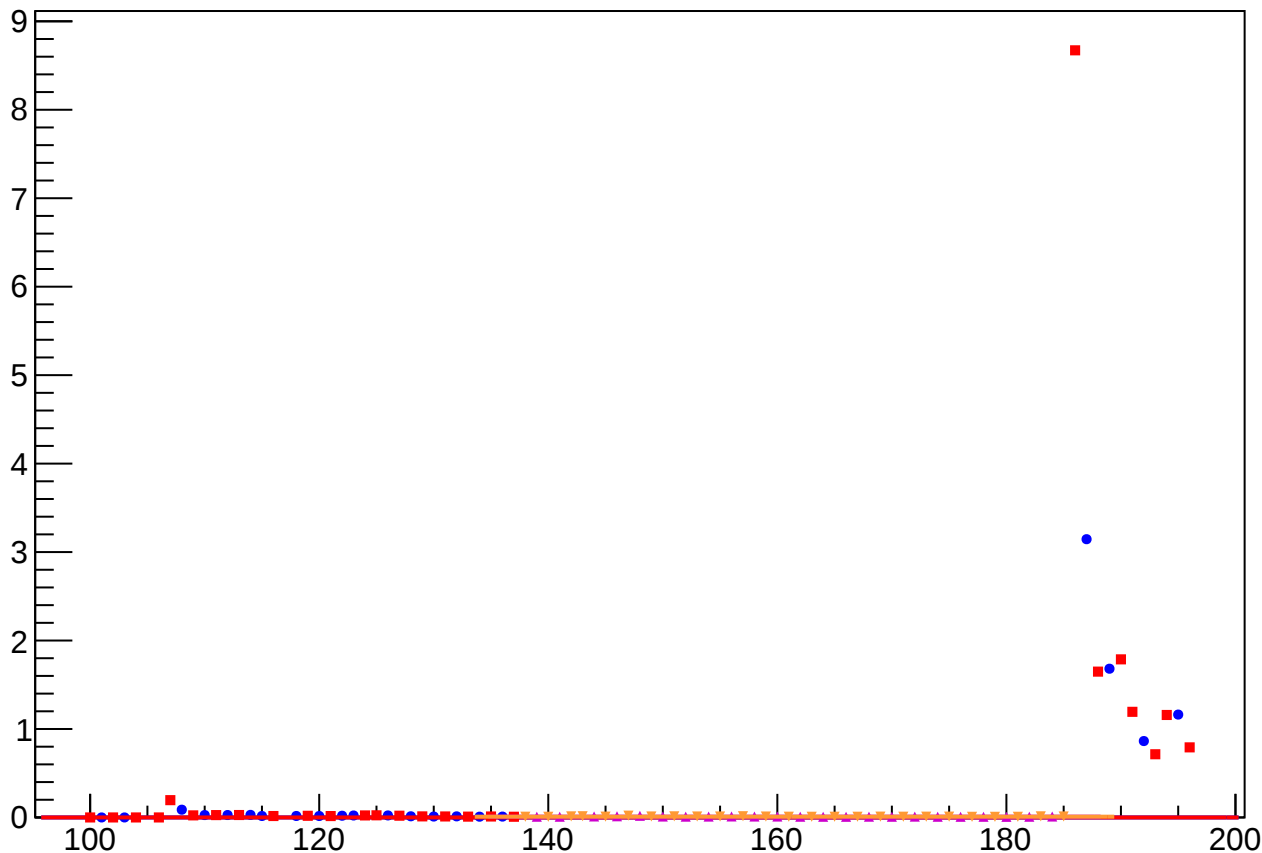
Right Out: 2.583 ± 0.000 $\chi^2/\text{NDF}: 1253520111444315.2/25$

All: 3.038 ± 0.000 $\chi^2/\text{NDF}: 13879705925995.4/50$

- sign 2.581 ± 0.000 $\chi^2/\text{NDF}: 1255720163910875.5/25$

Left In: -0.827 ± 0.000 $\chi^2/\text{NDF}: 172640246.1/22$

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 : 17008940.8/25

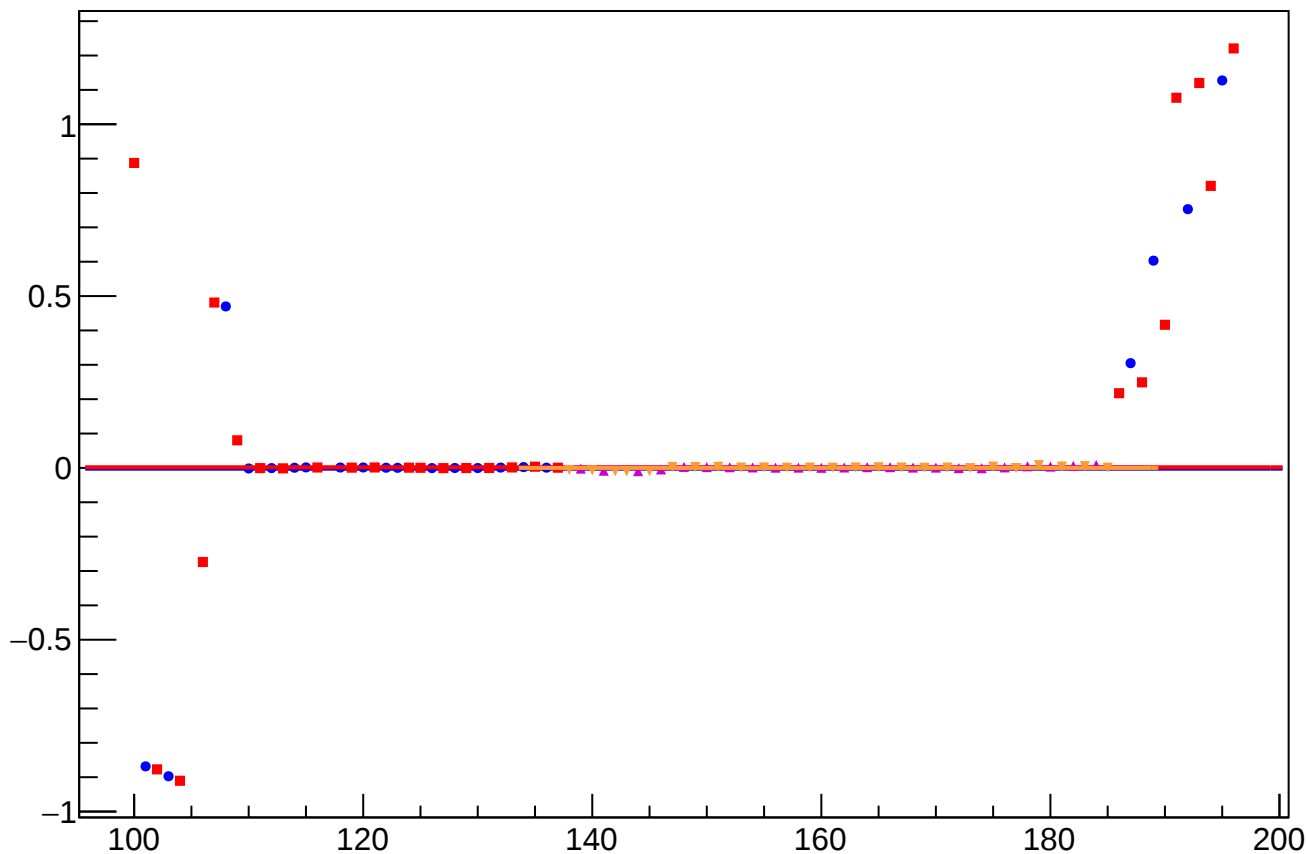
Left In: 0.009+/-0.000 χ^2/NDF :1041524.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 45001343.7/45

All: 0.000+/-0.000 χ^2/NDF : 91556944.3/94

- sign 0.000+/-0.000 χ^2/NDF : 46554481.3/48

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 : 3042328185.5/25

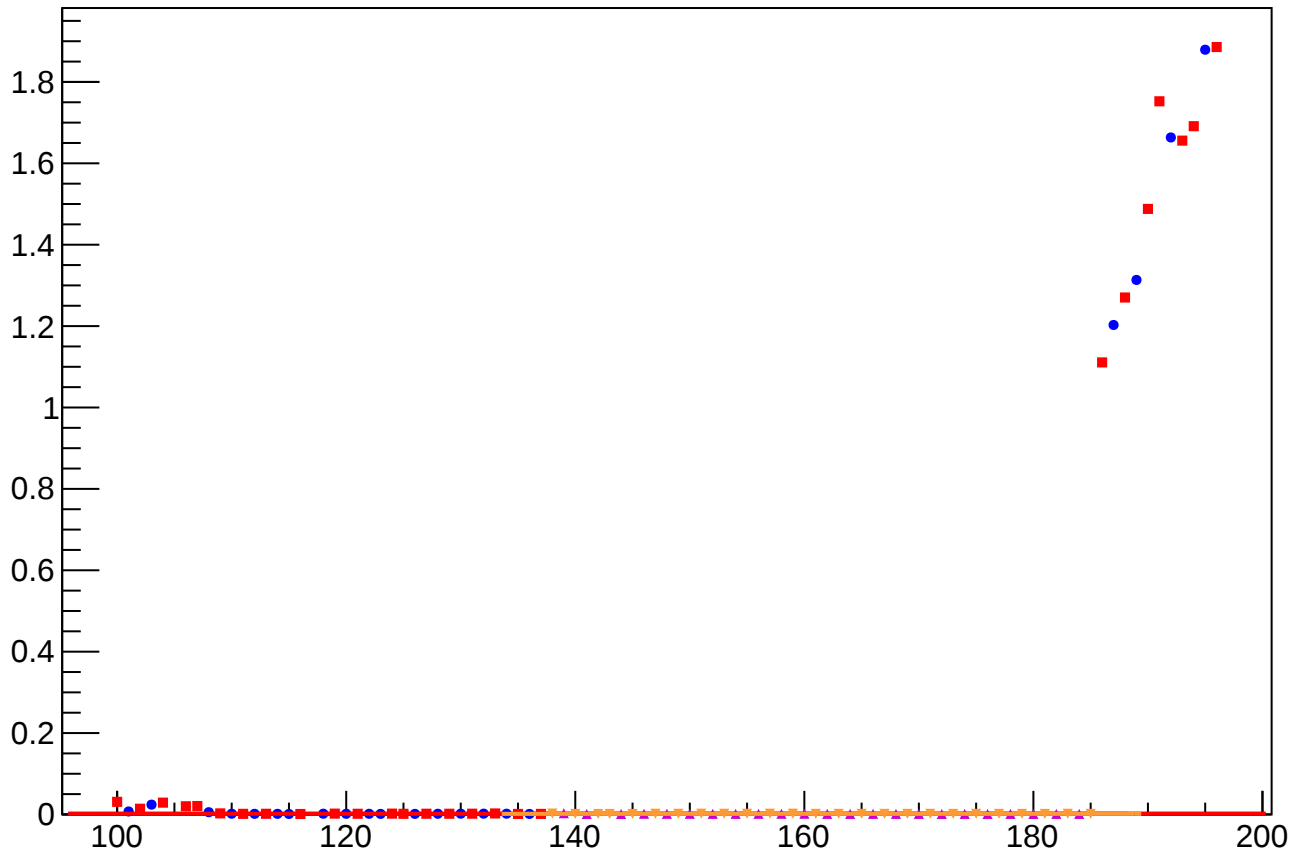
Left In: 0.001 ± 0.000 χ^2/NDF : 101439617.3/22

+ sign -0.001 ± 0.000 χ^2/NDF : 9954052714.8/45

All: 0.000 ± 0.000 χ^2/NDF : 13107367615.1/95

- sign 0.001 ± 0.000 χ^2/NDF : 3145733619.0/48

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: 11180691.5/25

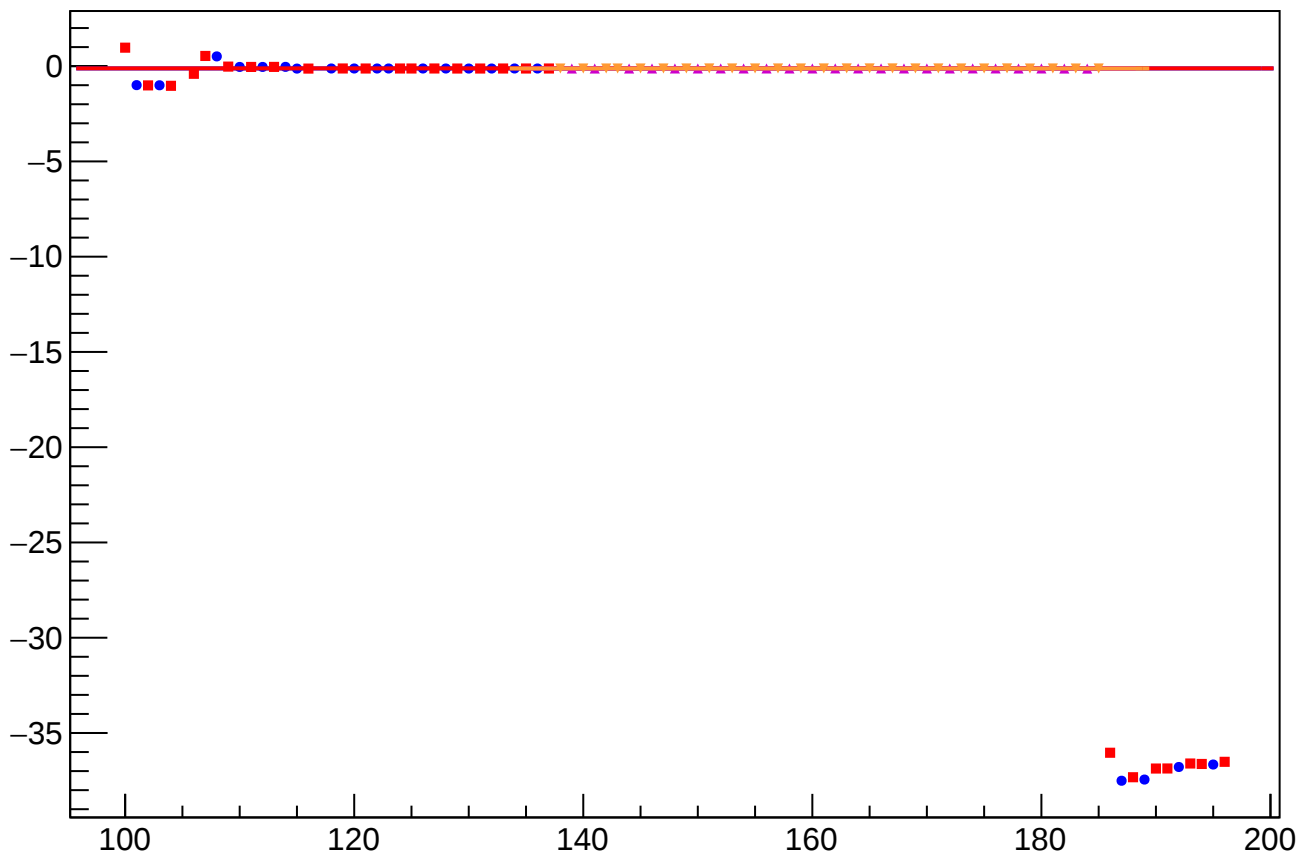
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:626044.8/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 7100436.4/45

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 19025140.7/94

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 11915718.8/48

yield_cav4cY_mean vs Slug



Right In: -0.121 ± 0.000 $\chi^2/\text{NDF}: 21909167024.6/20$

Left Out: -0.121 ± 0.000 $\chi^2/\text{NDF}: 58120109.3/24$

Right Out: -0.116 ± 0.000 $\chi^2/\text{NDF}: 36885652792.7/25$

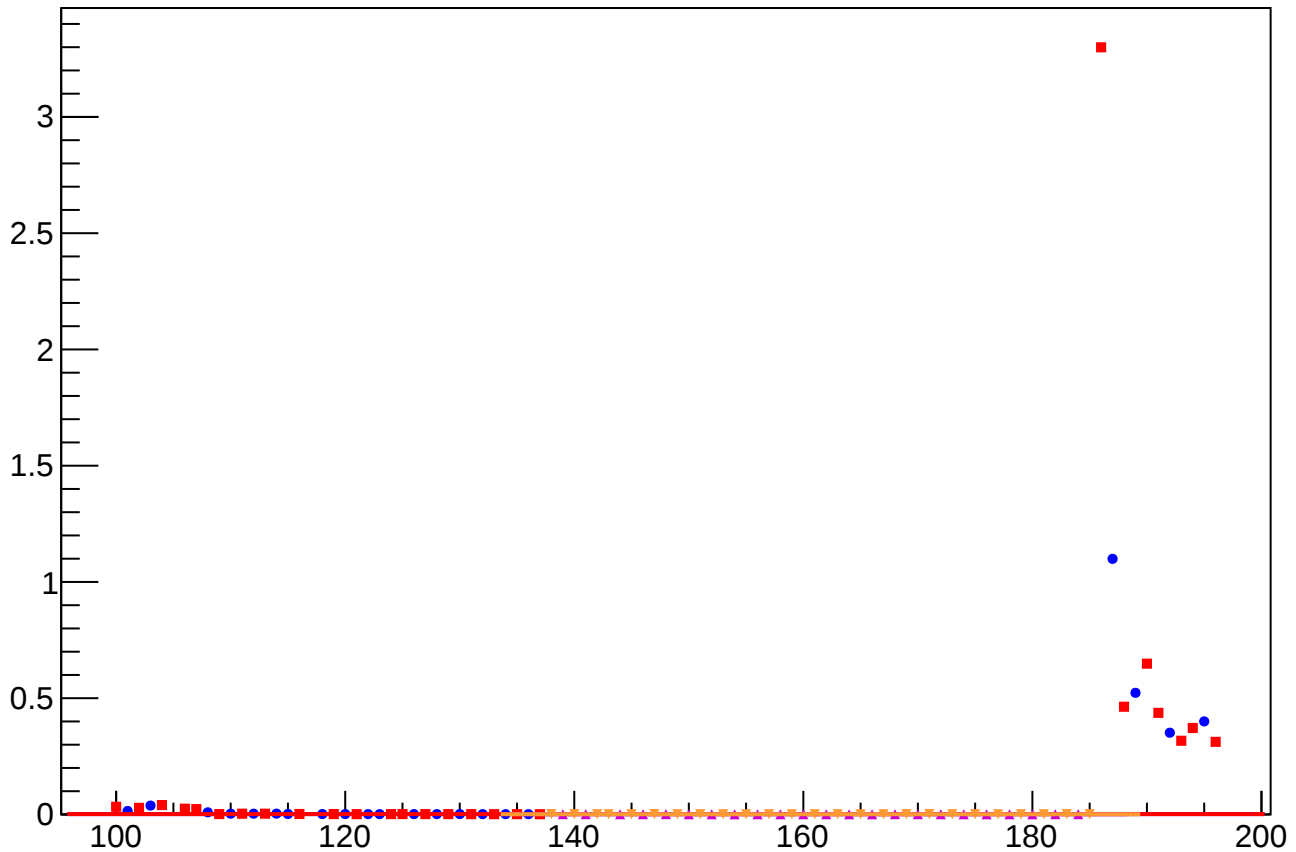
Left In: -0.121 ± 0.000 $\chi^2/\text{NDF}: 52113932.9/22$

+ sign -0.121 ± 0.000 $\chi^2/\text{NDF}: 21967693352.8/45$

All: -0.121 ± 0.000 $\chi^2/\text{NDF}: 58952052604.7/$

- sign -0.120 ± 0.000 $\chi^2/\text{NDF}: 36980499557.6/48$

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 7254125.7/20

Left Out: 0.001+/-0.000 χ^2/NDF : 1363316.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 11335341.9/25

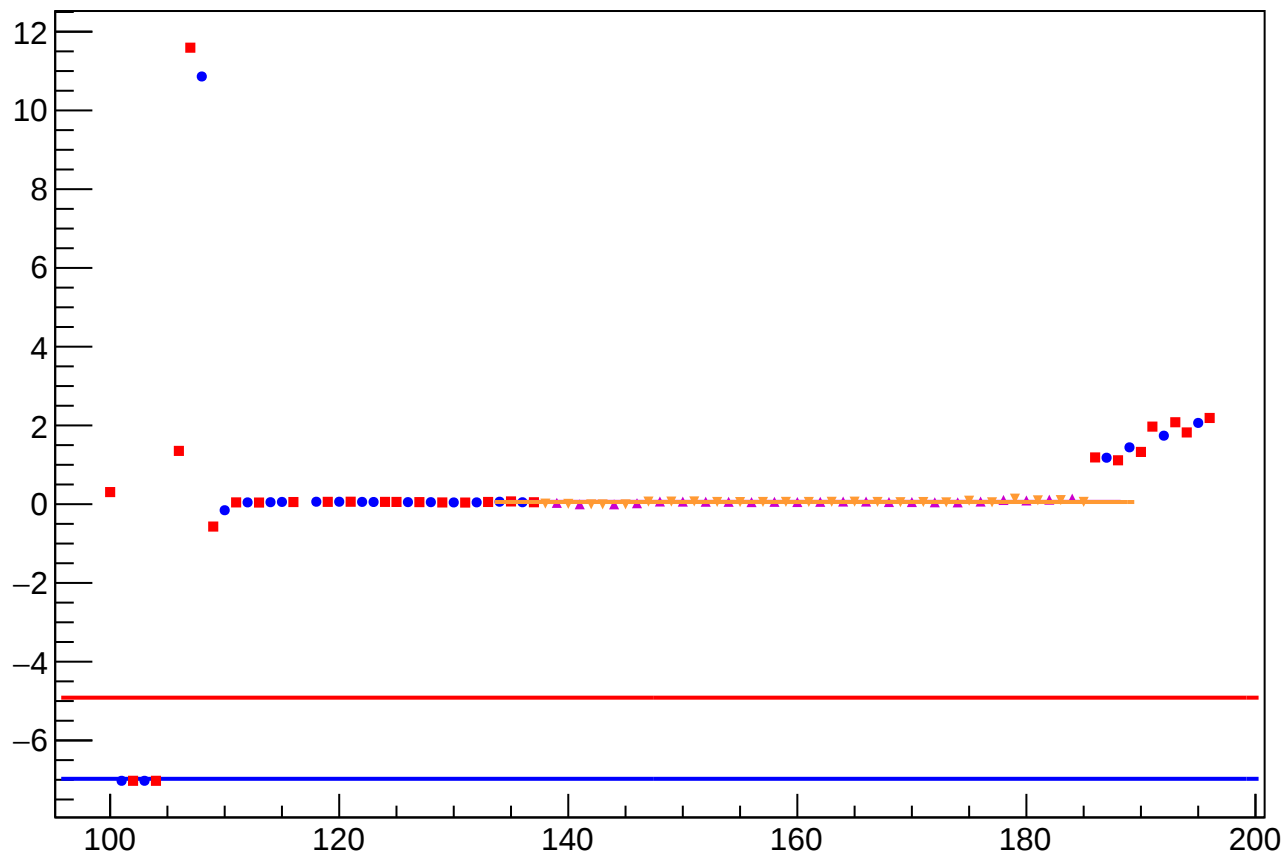
Left In: 0.001+/-0.000 χ^2/NDF : 970801.8/22

+ sign 0.001+/-0.000 χ^2/NDF : 9807733.0/45

All: 0.001+/-0.000 χ^2/NDF : 23240022.0/94

- sign 0.001+/-0.000 χ^2/NDF : 13430402.9/48

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 : 365352751952781.2/25

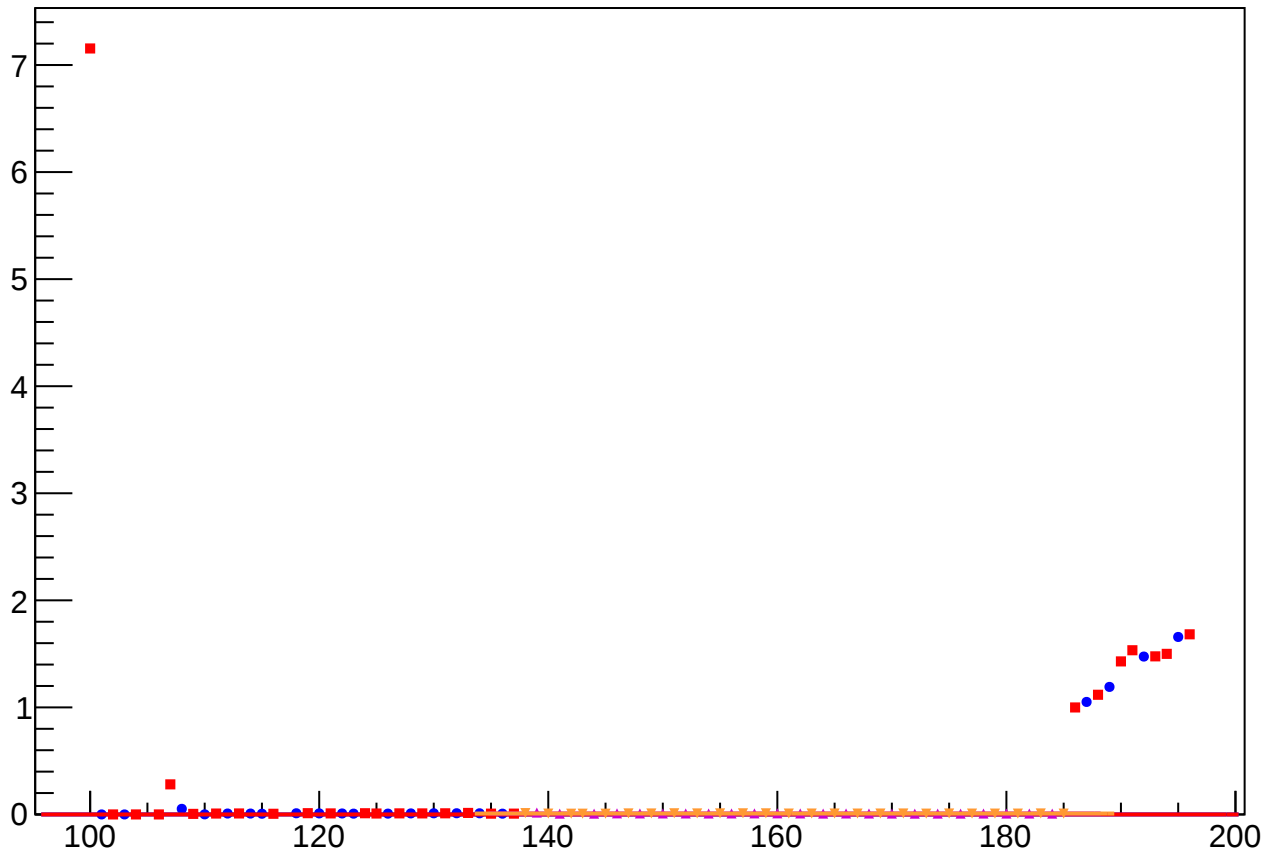
Left In: 0.059 ± 0.000 χ^2/NDF : 178541521.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18423758470904.5/20

All: -5.858 ± 0.000 χ^2/NDF : 4435287517274.2/20

- sign -4.882 ± 0.000 χ^2/NDF : 369731772432788.3/20

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 : 16955447.6/25

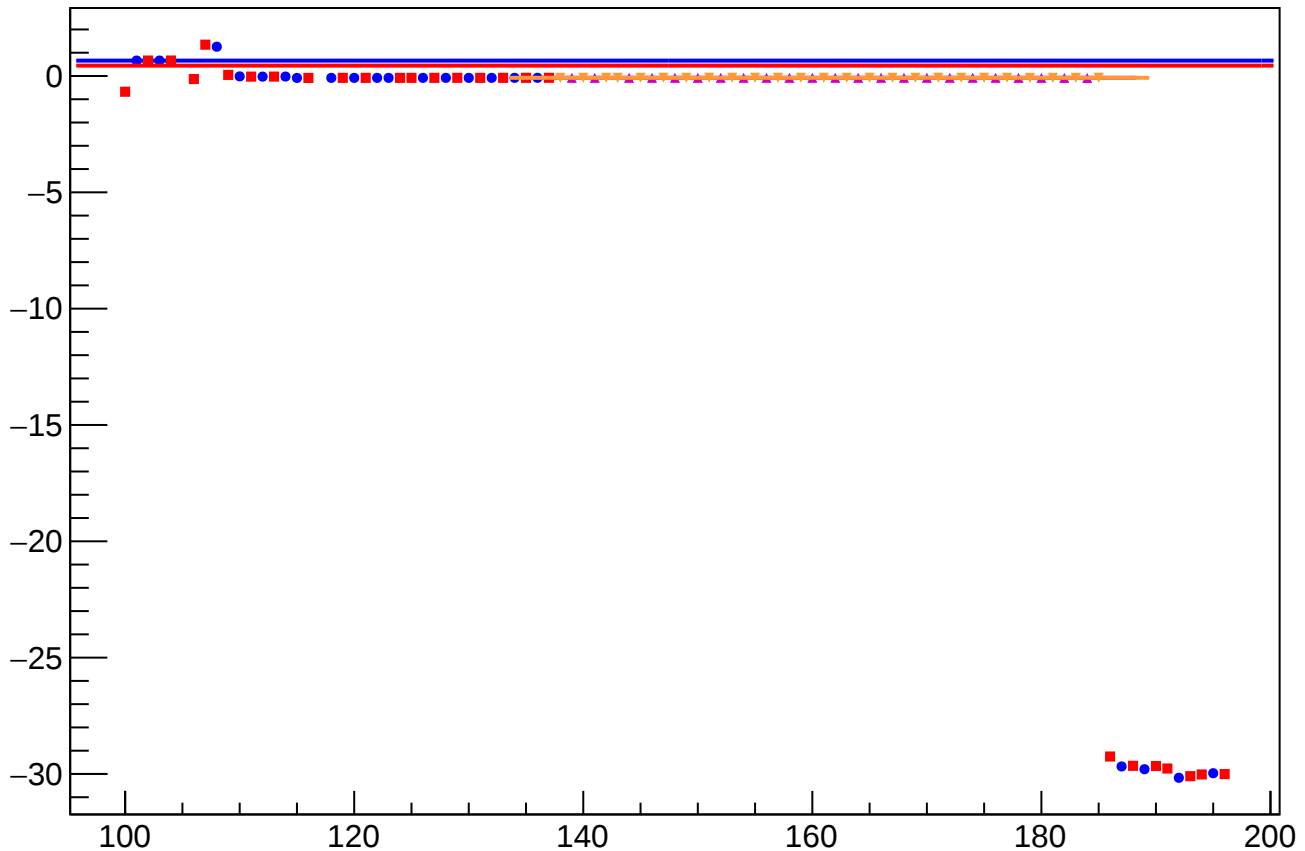
Left In: 0.009+/-0.000 χ^2/NDF : 602517.2/22

+ sign 0.000+/-0.000 χ^2/NDF : 41832546.8/45

All: 0.000+/-0.000 χ^2/NDF : 86249088.7/94

- sign 0.000+/-0.000 χ^2/NDF : 44411751.4/48

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5676937359104.0/20

Left Out: -0.078 $\pm$ 0.000 χ^2 /NDF: 156404795.7/24

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405458995278536.9/25

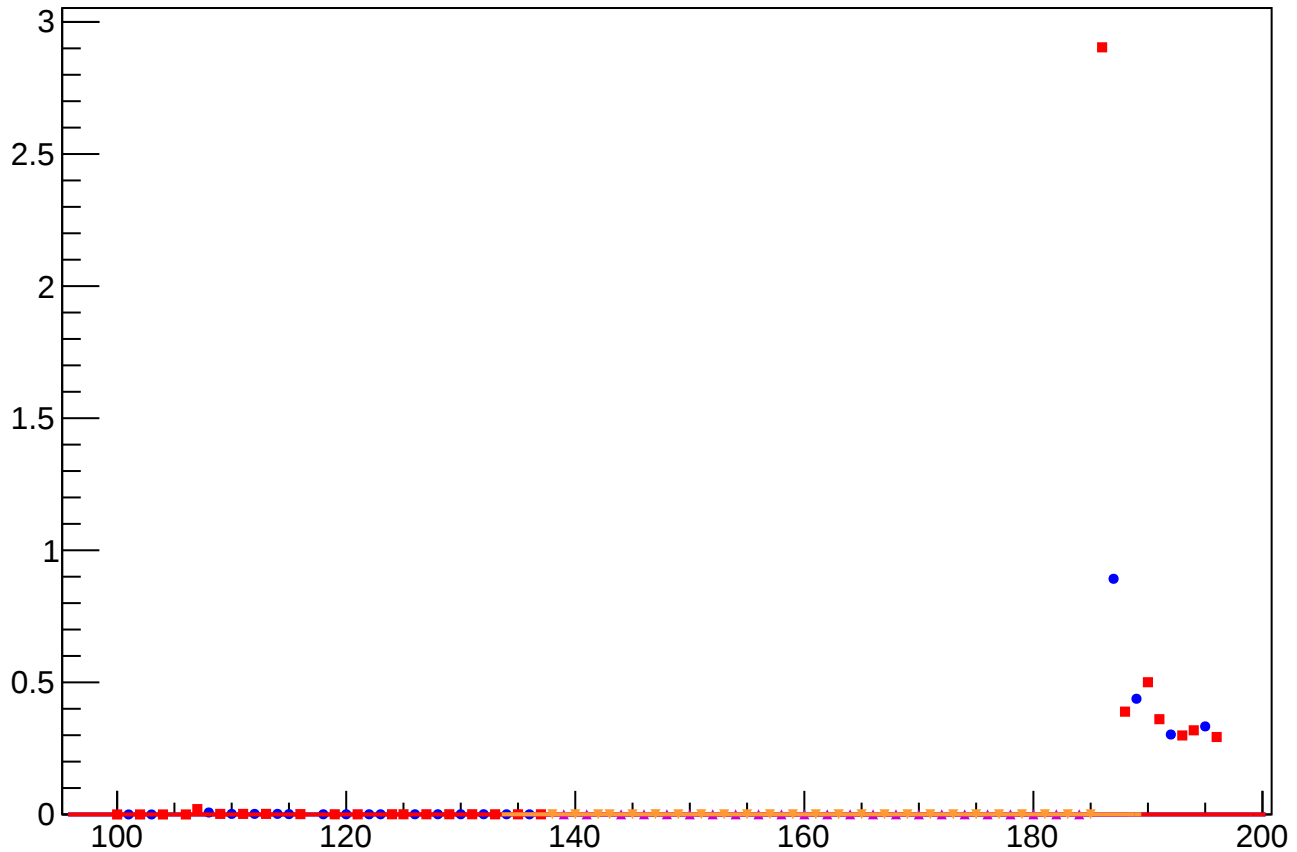
Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 110762924.1/22

+ sign 0.646 $\pm$ 0.000 χ^2 /NDF: 35775746527847.7/4

All: 0.537 $\pm$ 0.000 χ^2 /NDF: 51589373791821

- sign 0.437 $\pm$ 0.000 χ^2 /NDF: 419581035133659.5/4

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 : 17479728.7/25

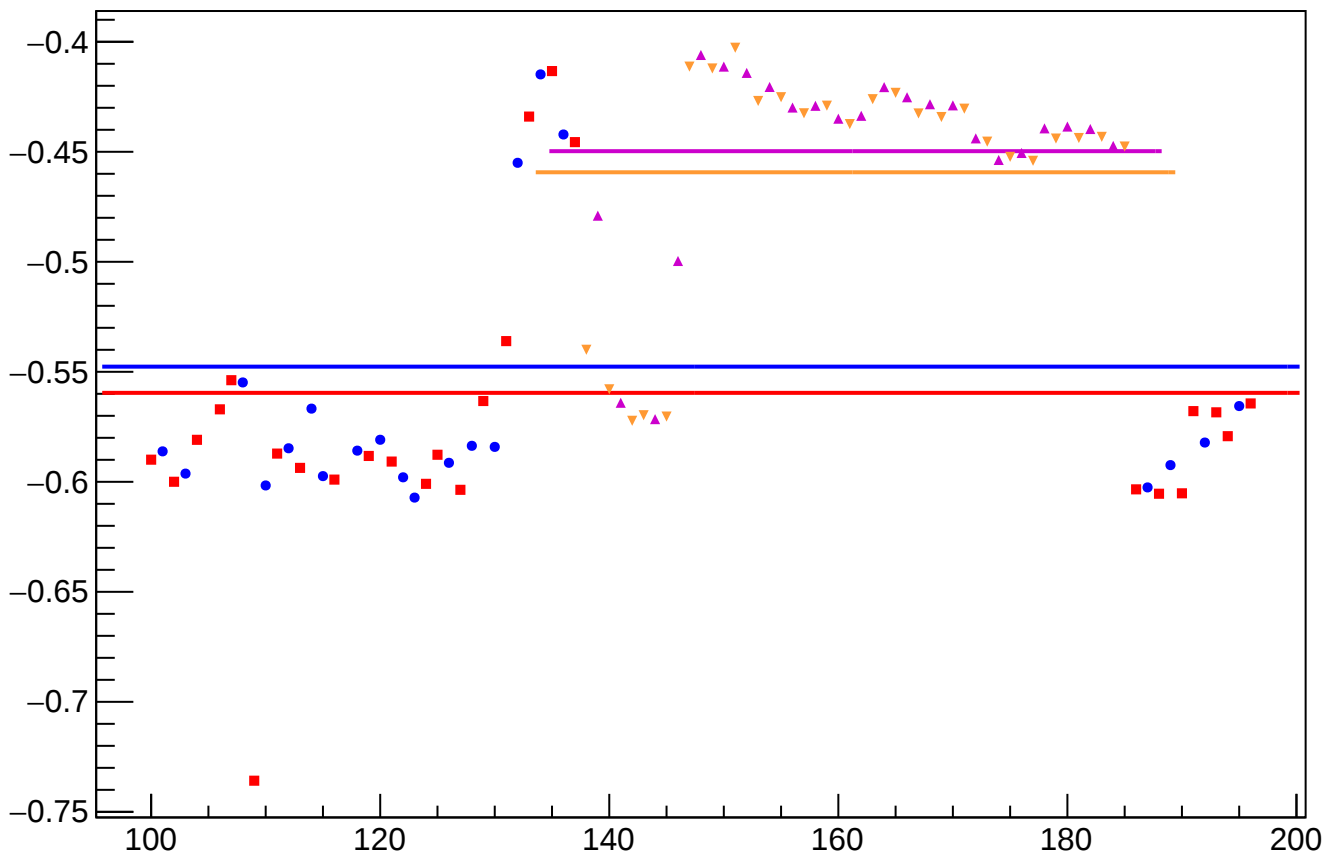
Left In: 0.001+/-0.000 χ^2/NDF : 355509.7/22

+ sign 0.000+/-0.000 χ^2/NDF : 47057235.3/45

All: 0.000+/-0.000 χ^2/NDF : 95337838.3/94

- sign 0.000+/-0.000 χ^2/NDF : 48272786.3/48

yield_bpm4aX_mean vs Slug



Right In: -0.548 ± 0.000 χ^2/NDF : 47201593.4/20

Left Out: -0.459 ± 0.000 χ^2/NDF : 113602161.0/24

Right Out: -0.560 ± 0.000 χ^2/NDF : 65601035.1/25

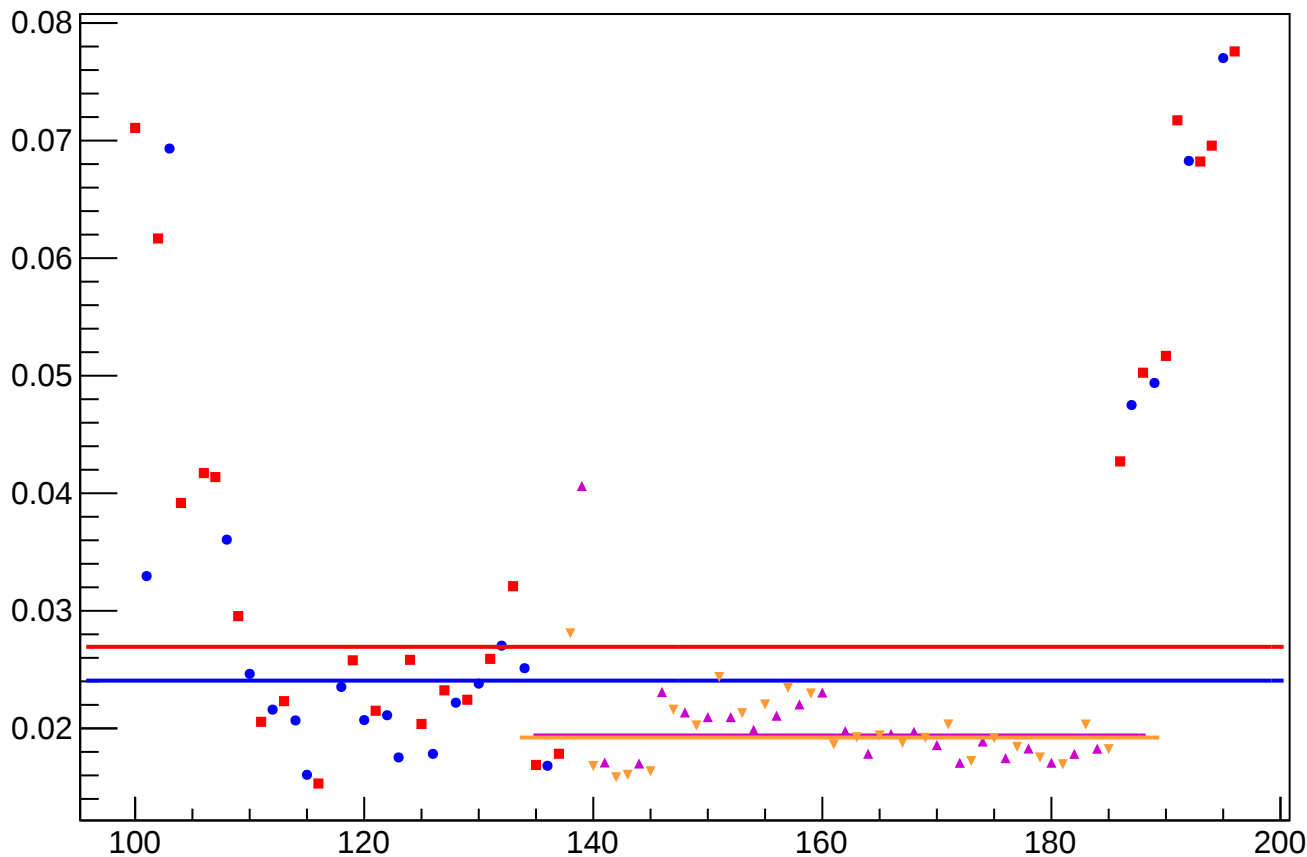
Left In: -0.450 ± 0.000 χ^2/NDF : 76117957.8/22

+ sign -0.478 ± 0.000 χ^2/NDF : 228709707.7/45

All: -0.477 ± 0.000 χ^2/NDF : 472975990.1/94

- sign -0.475 ± 0.000 χ^2/NDF : 243938098.6/48

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: 0.027 ± 0.000 χ^2/NDF : 4015912.1/25

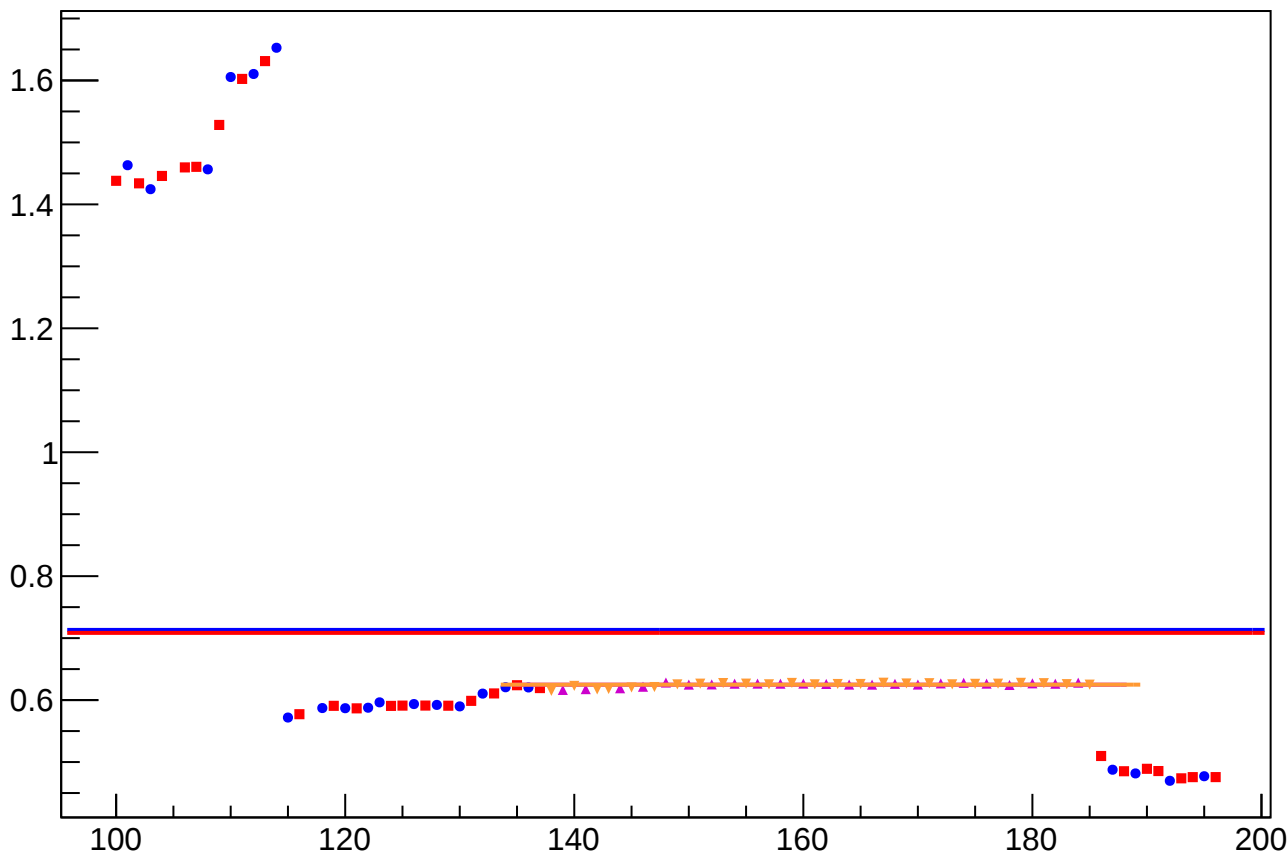
Left In: 0.019 ± 0.000 χ^2/NDF : 626443.5/22

+ sign 0.020 ± 0.000 χ^2/NDF : 3768436.5/45

All: 0.021 ± 0.000 χ^2/NDF : 9410204.8/94

- sign 0.021 ± 0.000 χ^2/NDF : 5606077.6/48

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: 0.708 $\pm$ 0.000 χ^2 /NDF: 5399106523.1/25

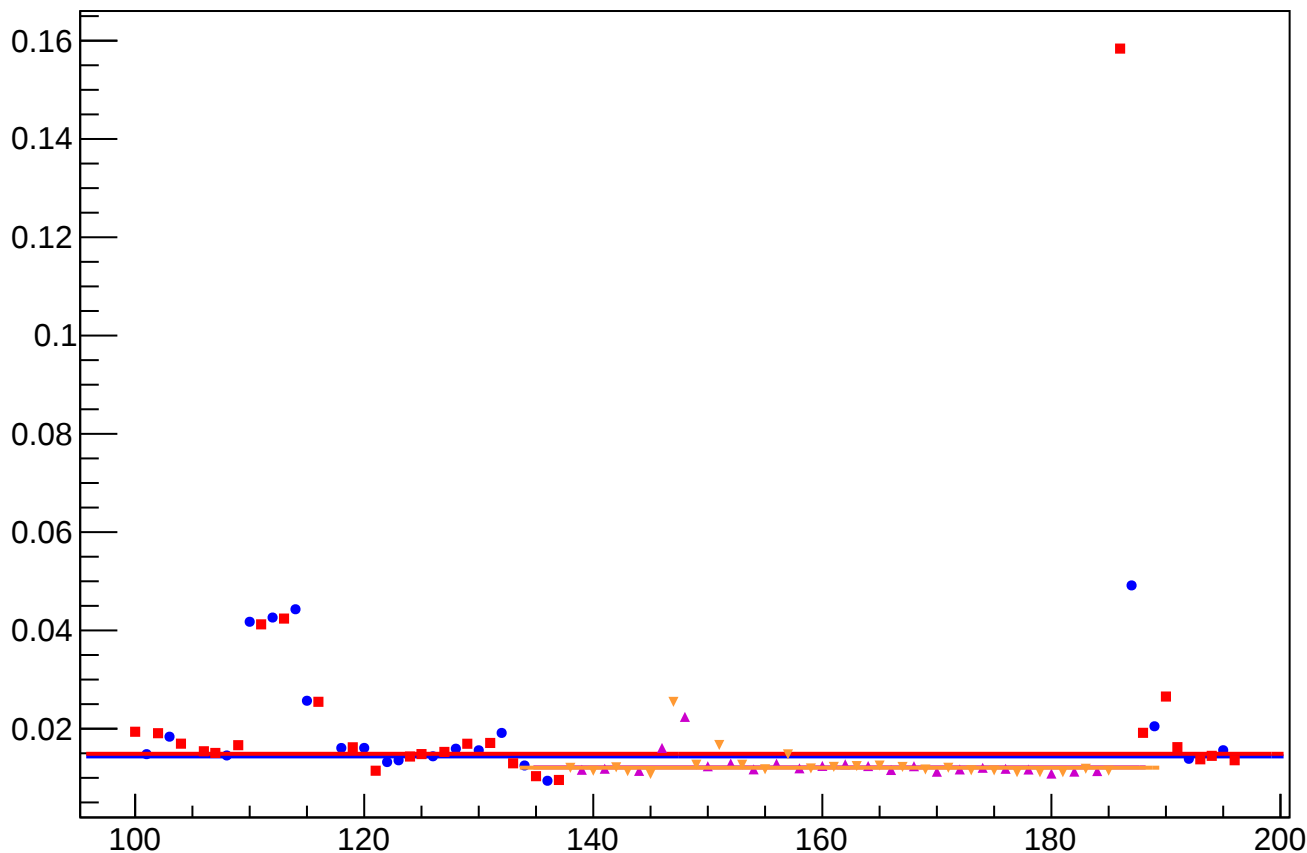
Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1143954.1/22

+ sign 0.646 $\pm$ 0.000 χ^2 /NDF: 4476776053.0/45

All: 0.647 $\pm$ 0.000 χ^2 /NDF: 10095725788.1/95

- sign 0.648 $\pm$ 0.000 χ^2 /NDF: 5618645273.2/48

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: 2072297.1/25

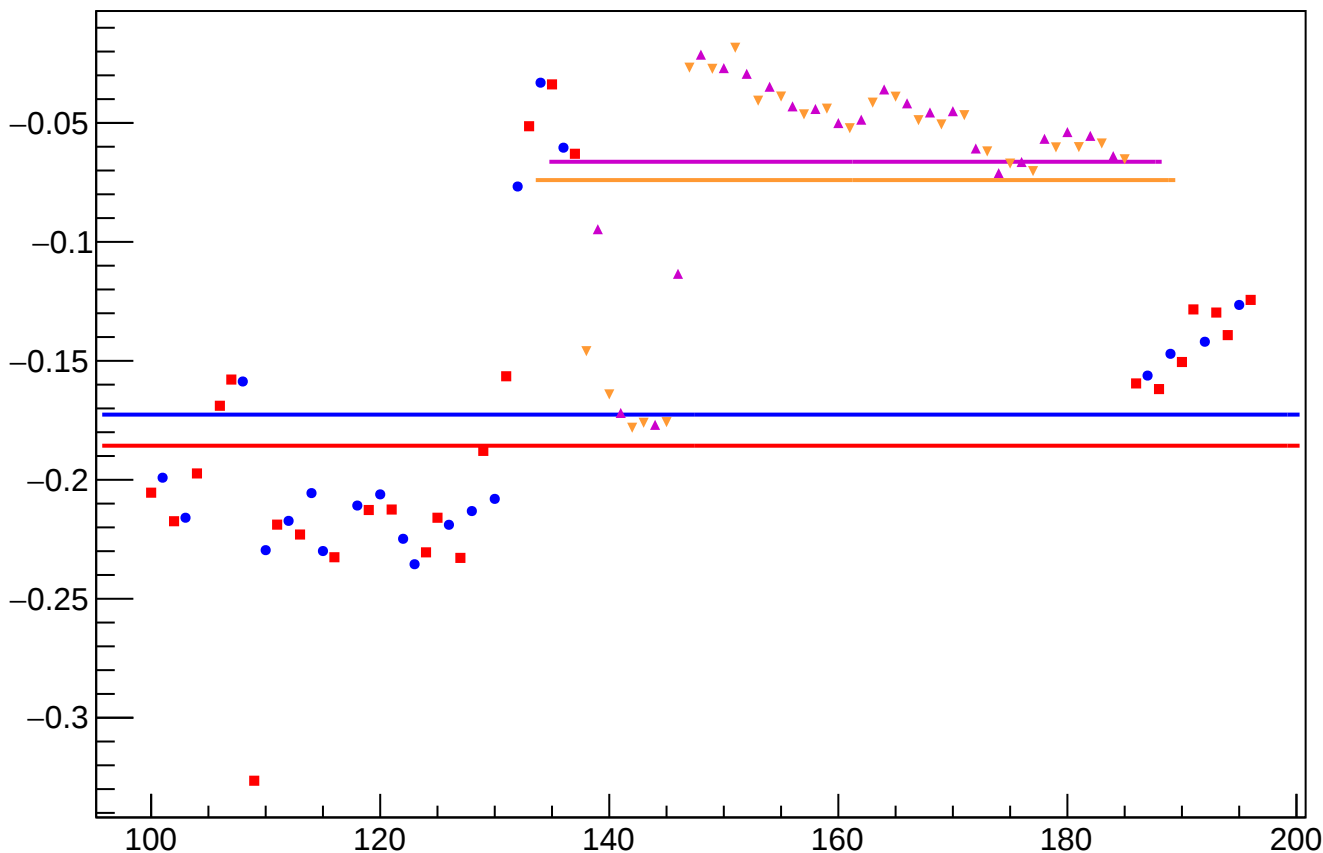
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 488363.6/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 2594053.0/45

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5642809.4/94

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3036329.8/48

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 : 84118007.6/25

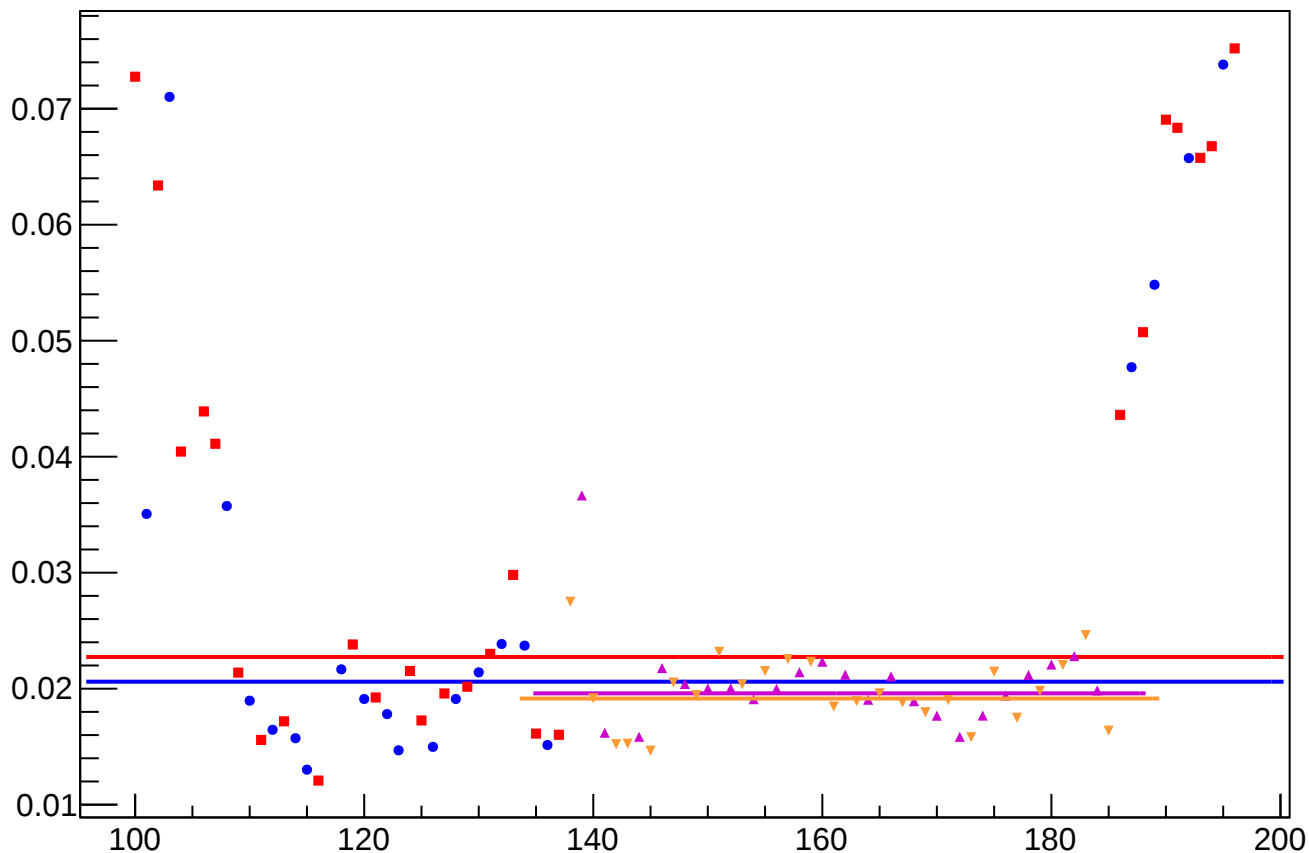
Left In: -0.066+/-0.000 χ^2/NDF : 76243051.8/22

+ sign -0.100+/-0.000 χ^2/NDF : 279677600.1/45

All: -0.100+/-0.000 χ^2/NDF : 588779936.2/94

- sign -0.100+/-0.000 χ^2/NDF : 309102209.9/48

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: 0.023+/-0.000 χ^2/NDF : 4985849.4/25

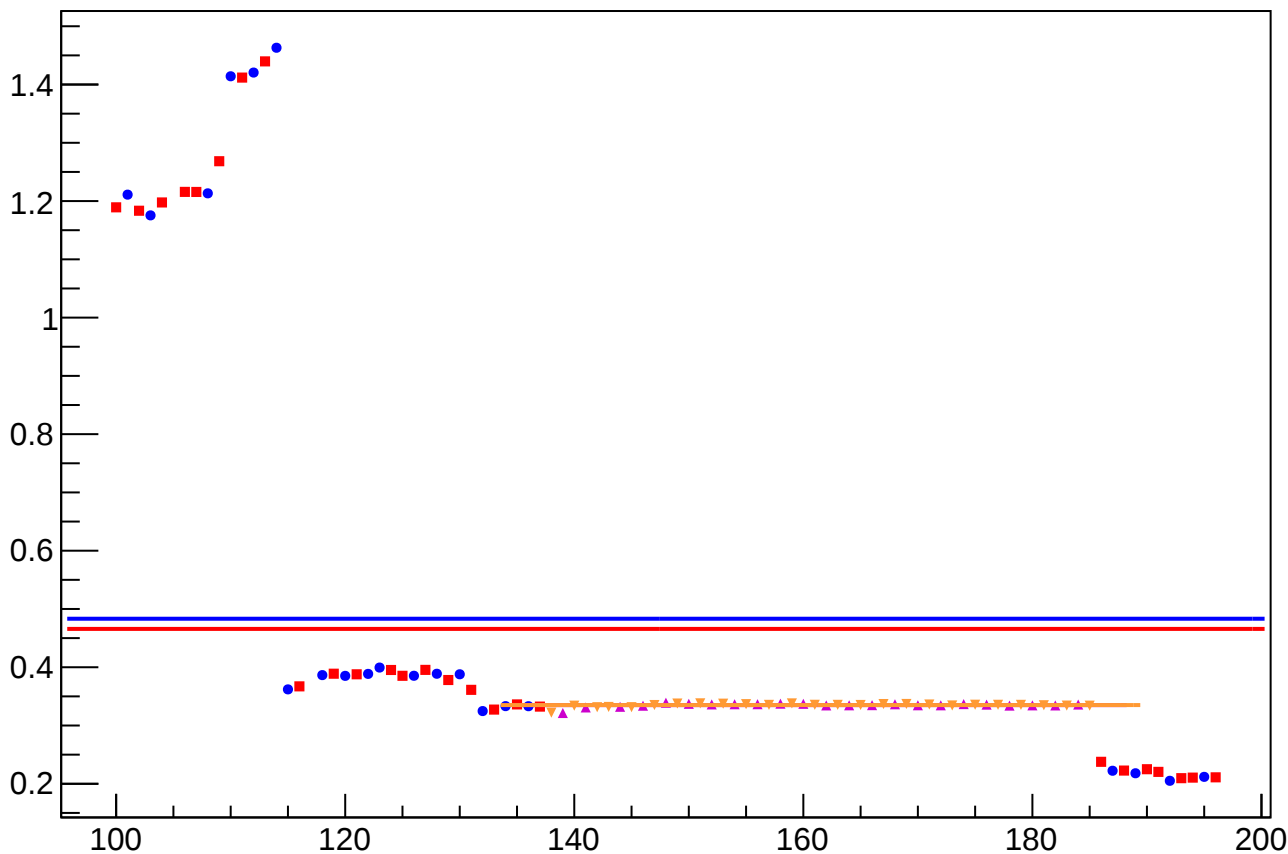
Left In: 0.020+/-0.000 χ^2/NDF : 623148.2/22

+ sign 0.020+/-0.000 χ^2/NDF : 4101163.9/45

All: 0.020+/-0.000 χ^2/NDF : 9963470.4/94

- sign 0.020+/-0.000 χ^2/NDF : 5814046.2/48

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: 0.466+/-0.000 χ^2/NDF : 7544377029.0/25

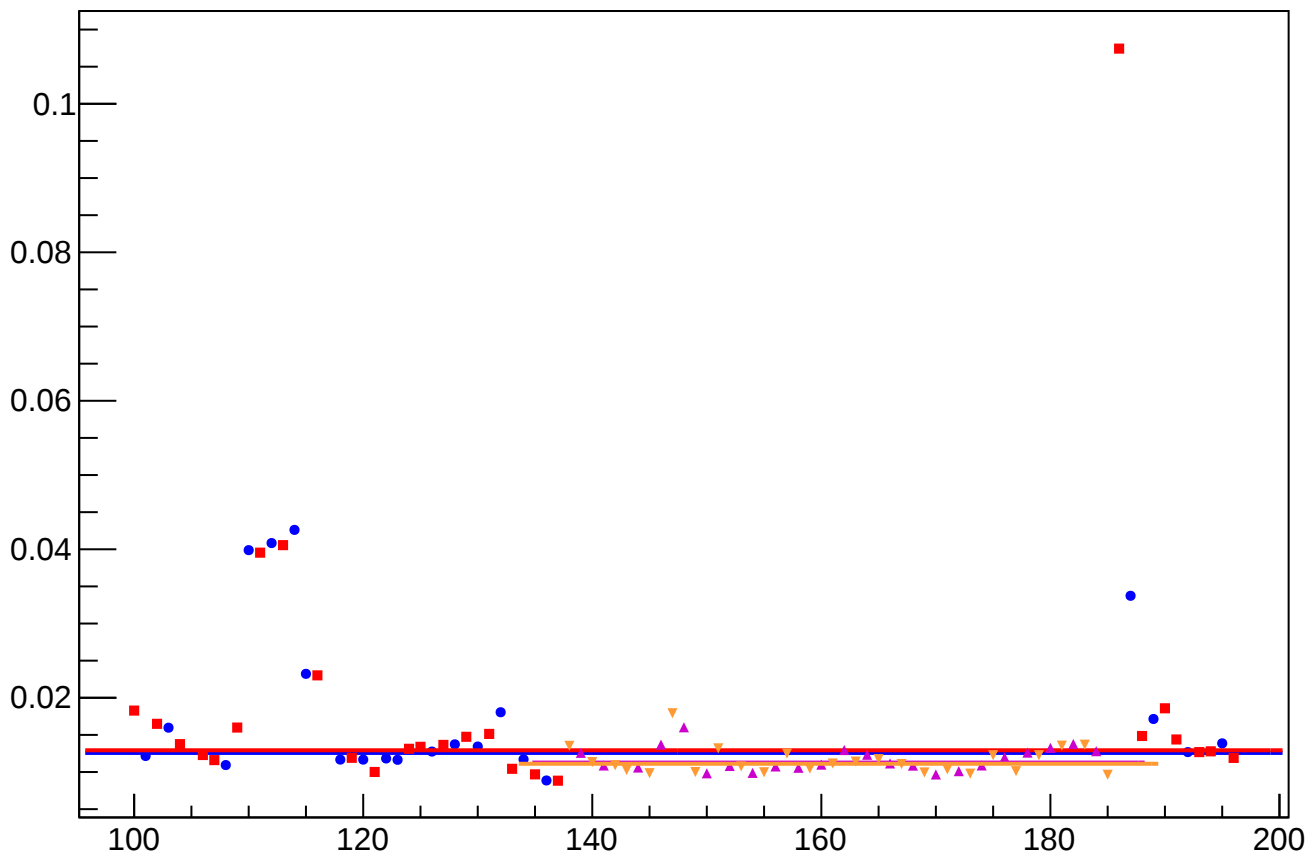
Left In: 0.335+/-0.000 χ^2/NDF : 1202194.8/22

+ sign 0.374+/-0.000 χ^2/NDF : 6947576934.9/45

All: 0.374+/-0.000 χ^2/NDF : 15171903834.2/95

- sign 0.375+/-0.000 χ^2/NDF : 8224123378.5/48

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: 1931831.8/25

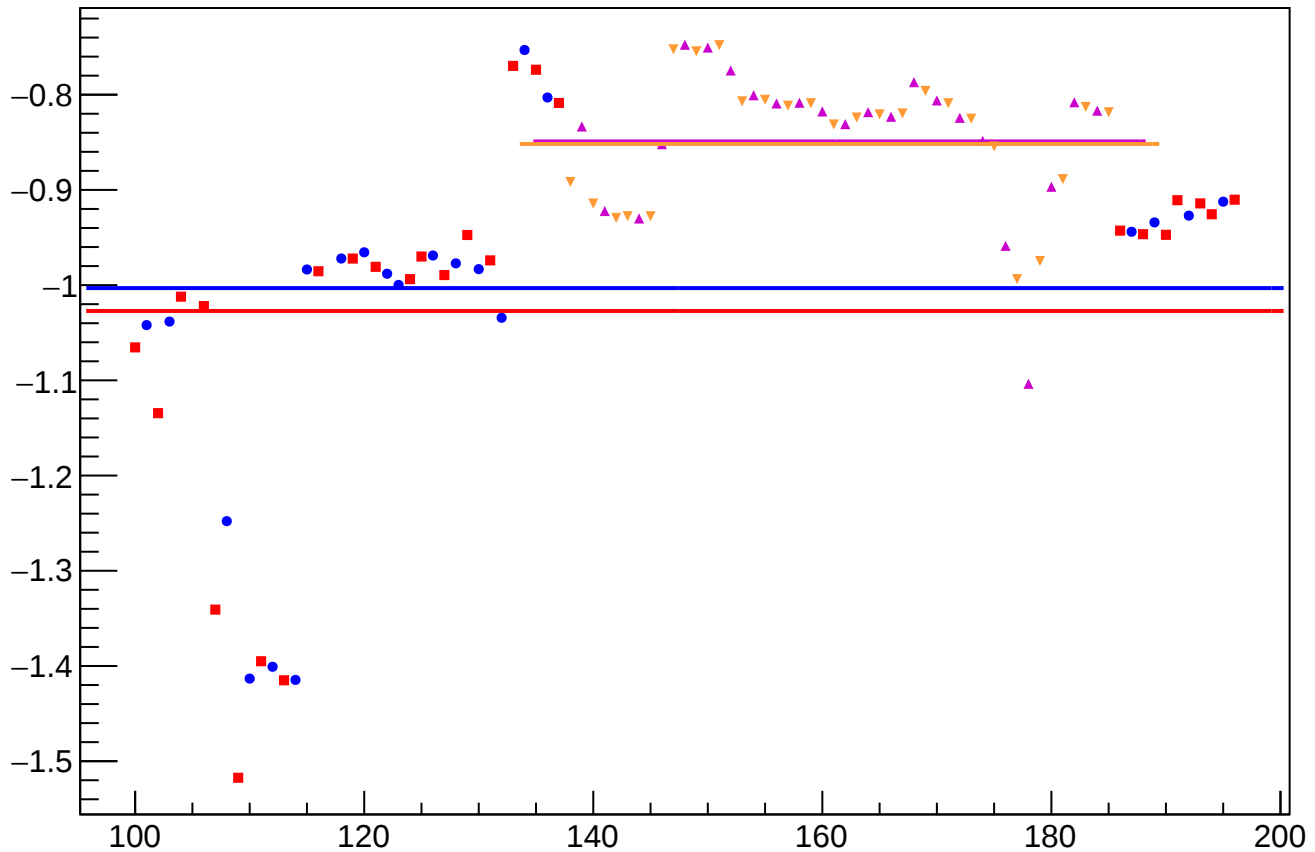
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:502455.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2271055.9/45

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 4938733.5/94

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2652008.8/48

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: -1.027 ± 0.000 χ^2/NDF : 547871541.9/25

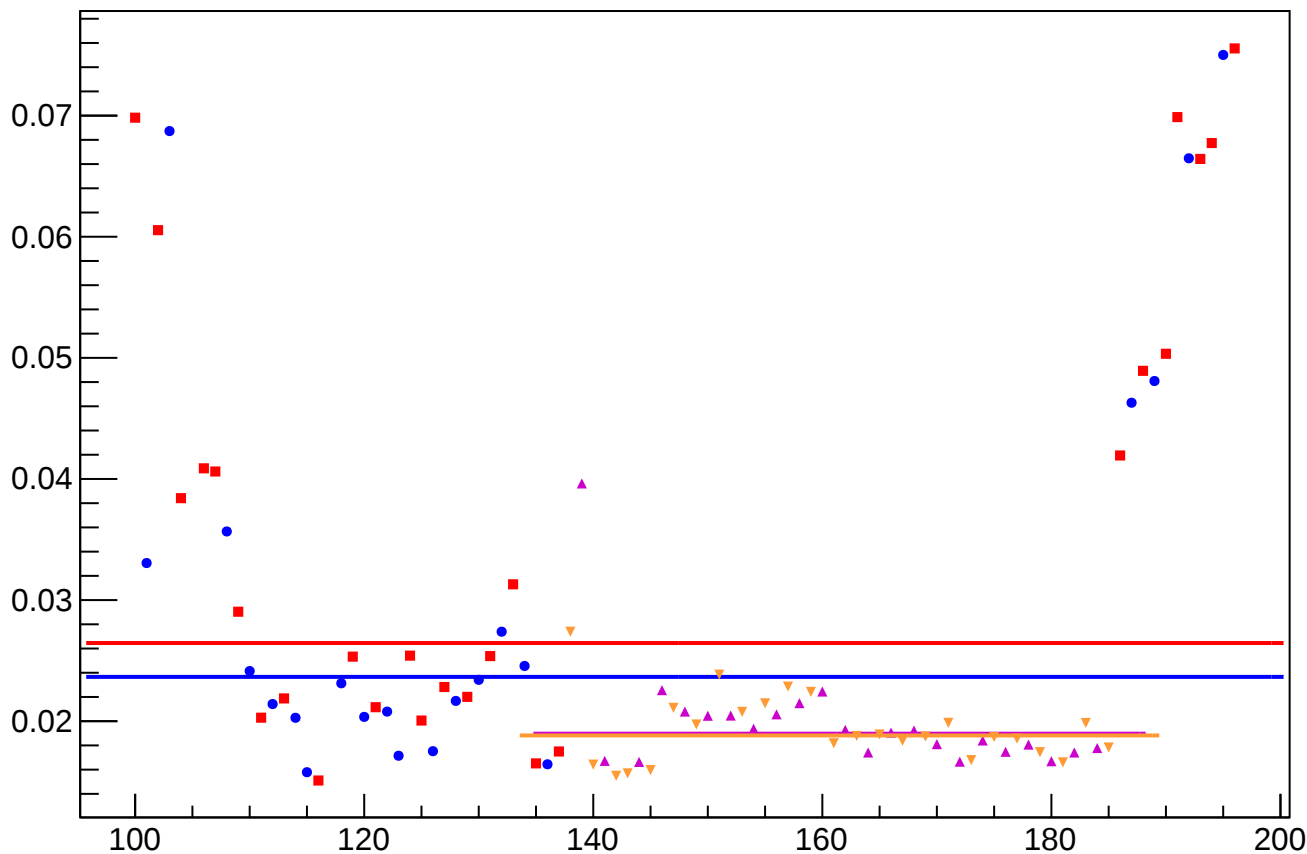
Left In: -0.849 ± 0.000 χ^2/NDF : 256391274.4/22

+ sign -0.884 ± 0.000 χ^2/NDF : 792927460.0/45

All: -0.887 ± 0.000 χ^2/NDF : 1876877875.2/9

- sign -0.889 ± 0.000 χ^2/NDF : 1083270319.3/48

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 : 3982523.7/25

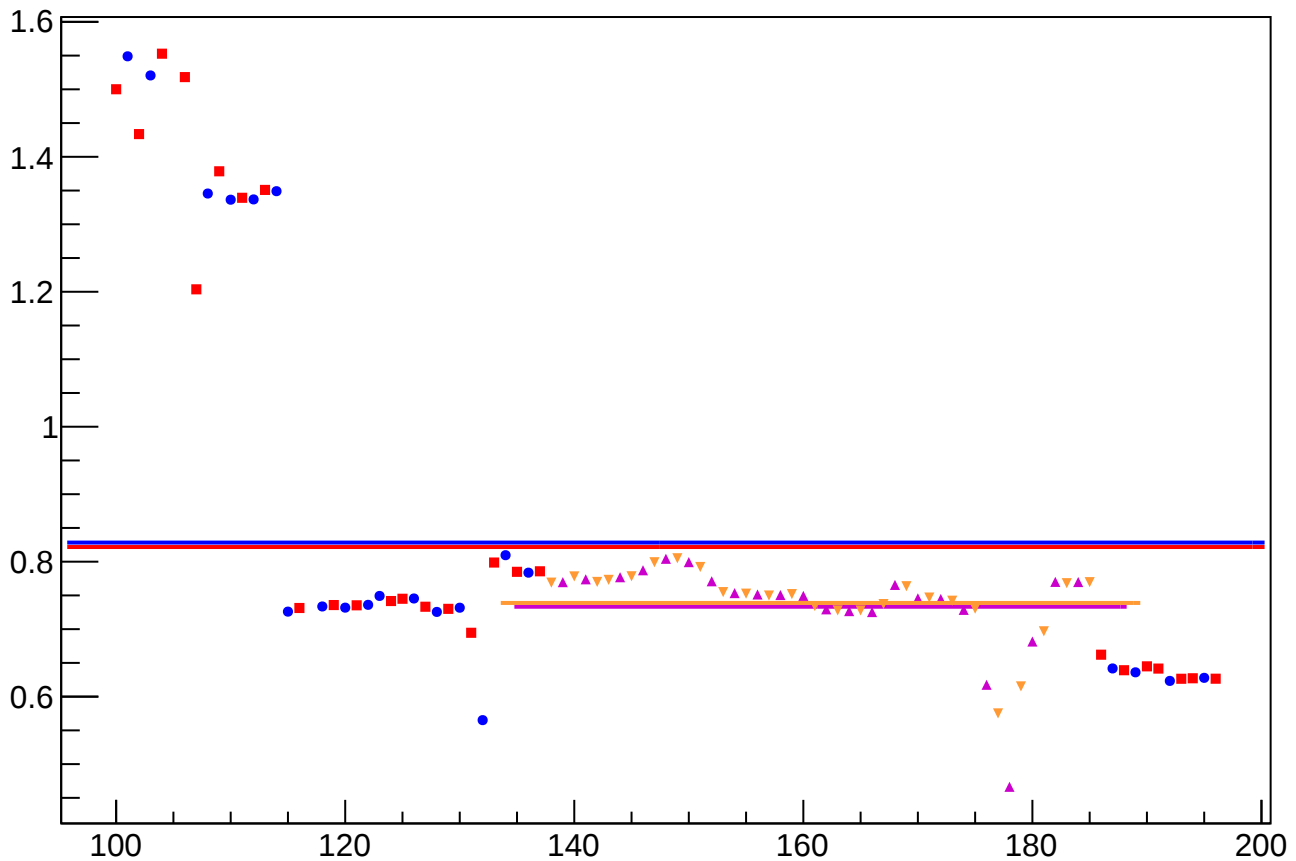
Left In: 0.019 $\pm$ 0.000 χ^2/NDF : 615173.8/22

+ sign 0.020 $\pm$ 0.000 χ^2/NDF : 3776183.0/45

All: 0.020 $\pm$ 0.000 χ^2/NDF : 9394331.7/94

- sign 0.021 $\pm$ 0.000 χ^2/NDF : 5584947.9/48

yield_bpm4acY_mean vs Slug



Right In: 0.828 ± 0.000 χ^2/NDF : 2887662432.8/20

Left Out: 0.739 ± 0.000 χ^2/NDF : 333013236.5/24

+ sign 0.760 ± 0.000 χ^2/NDF : 3445609933.3/45

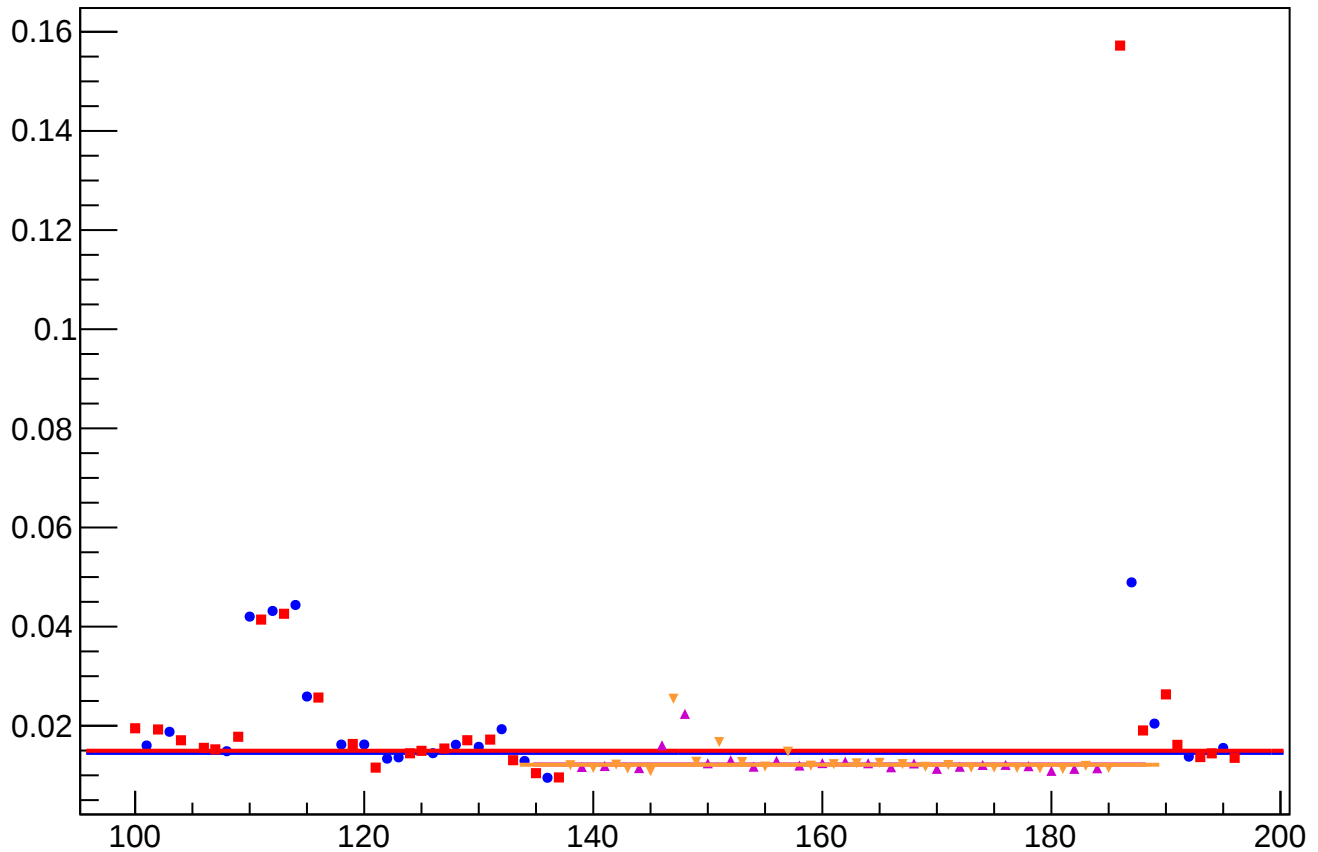
Right Out: 0.822 ± 0.000 χ^2/NDF : 3302096810.6/25

All: 0.759 ± 0.000 χ^2/NDF : 7559586893.6/94

Left In: 0.733 ± 0.000 χ^2/NDF : 569611347.7/22

- sign 0.758 ± 0.000 χ^2/NDF : 4113555343.1/48

yield_bpm4acY_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1634692.2/20

Left Out: 0.012+/-0.000 χ^2/NDF : 637986.2/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2075284.4/25

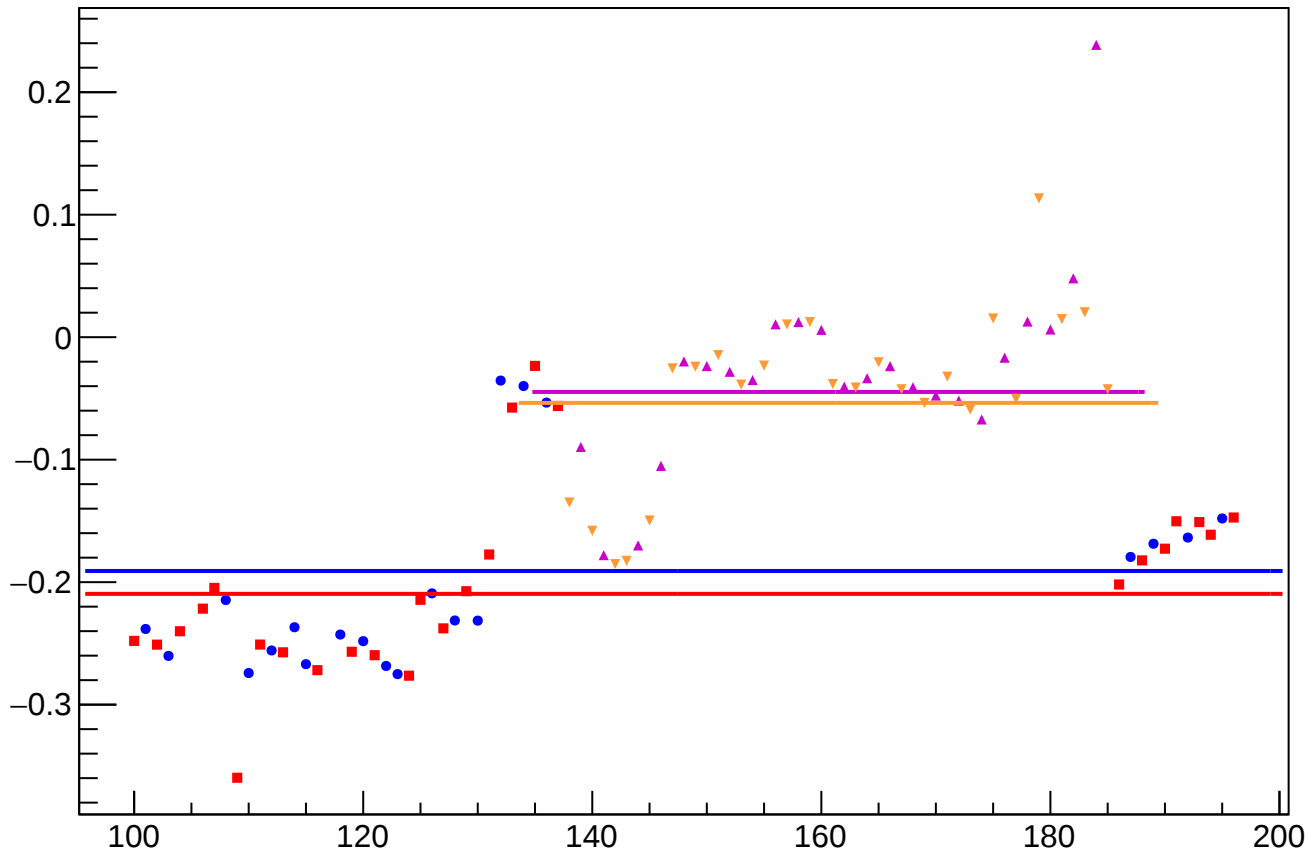
Left In: 0.012+/-0.000 χ^2/NDF : 481830.1/22

+ sign 0.013+/-0.000 χ^2/NDF : 2592724.2/45

All: 0.013+/-0.000 χ^2/NDF : 5634544.2/94

- sign 0.013+/-0.000 χ^2/NDF : 3031859.7/48

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 : 112676801.9/25

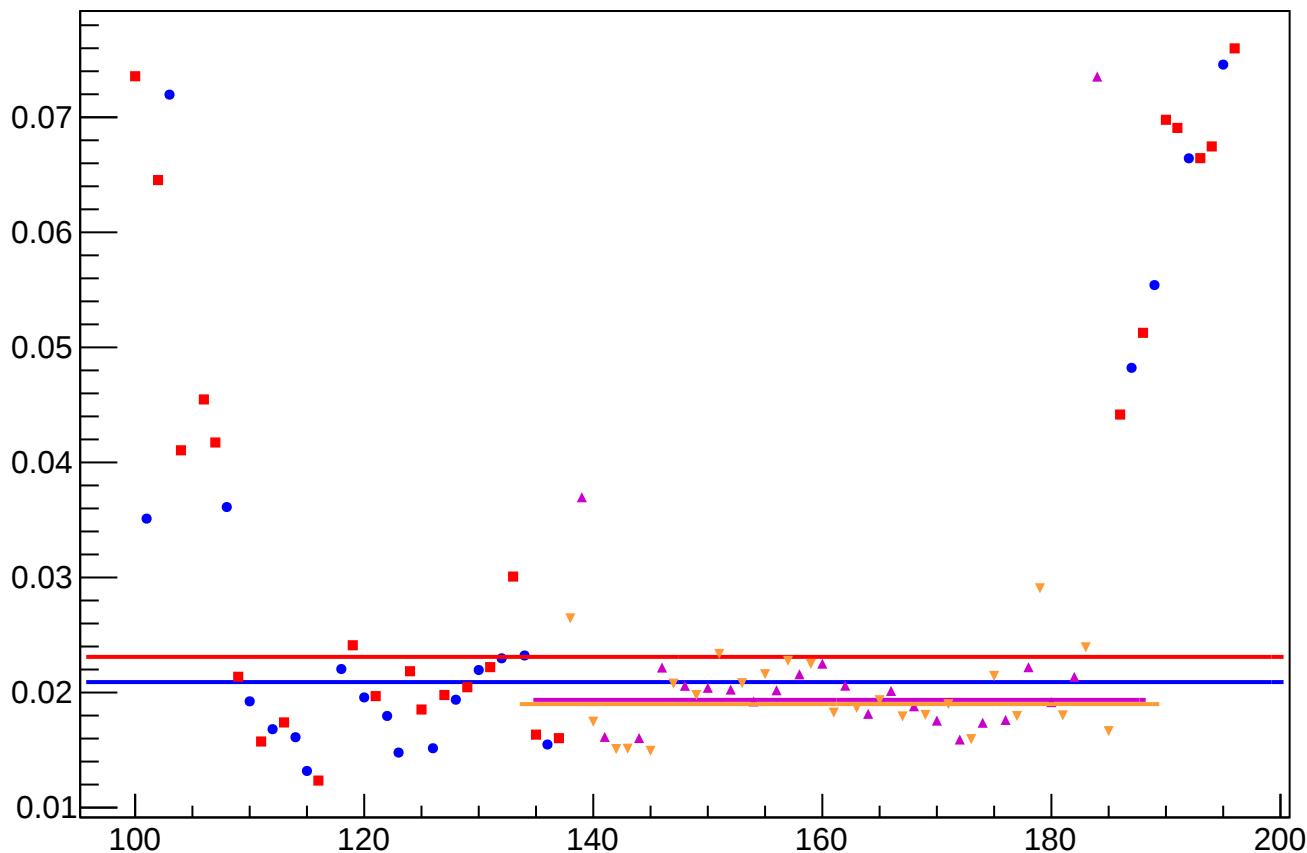
Left In: -0.045 ± 0.000 χ^2/NDF : 127192425.2/22

+ sign -0.089 ± 0.000 χ^2/NDF : 472285905.2/45

All: -0.090 ± 0.000 χ^2/NDF : 989067986.1/94

- sign -0.090 ± 0.000 χ^2/NDF : 516758499.6/48

yield_bpm4ecX_rms vs Slug



Right In: 0.021 $\pm$ 0.000 χ^2 /NDF: 3377310.5/20

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 700229.7/24

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 4957836.4/25

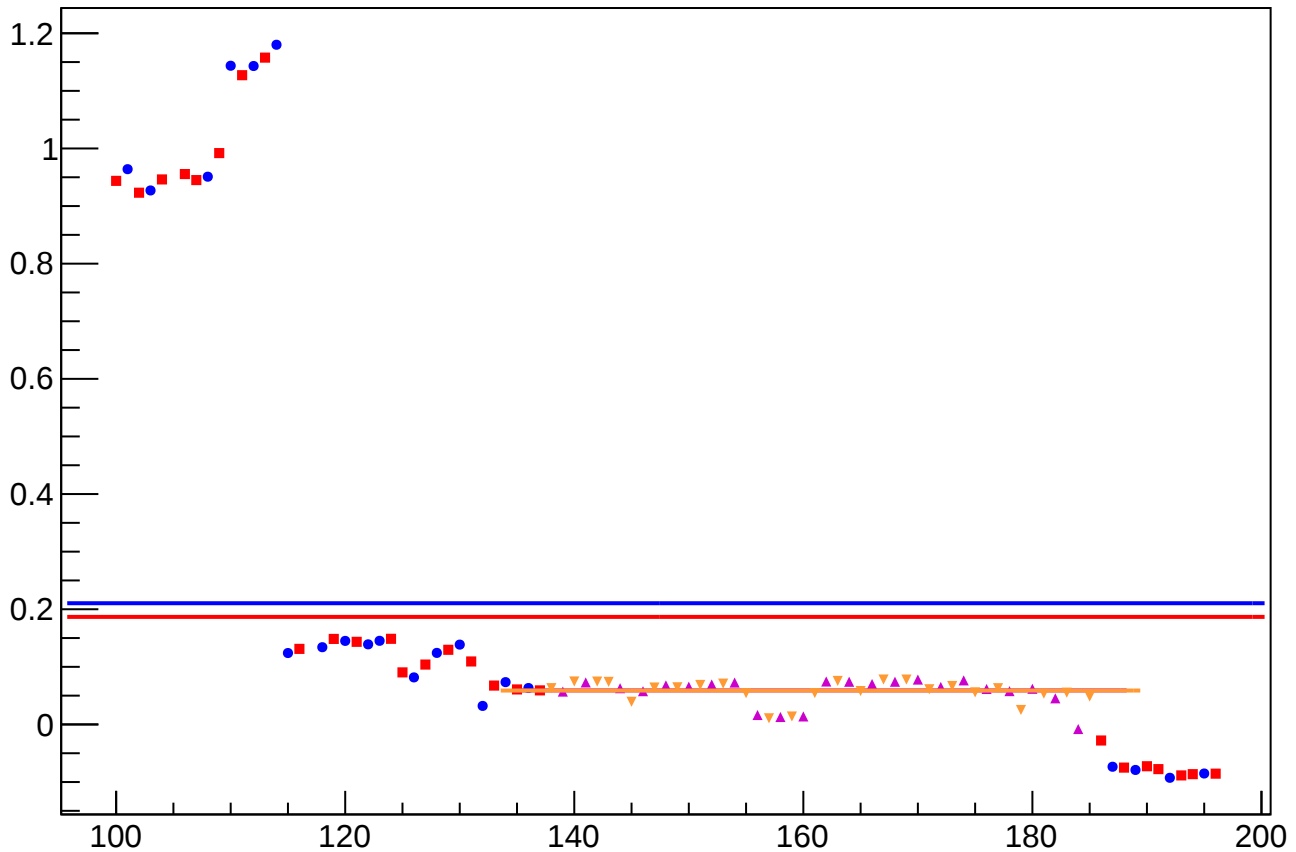
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 858216.8/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 4154396.6/45

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 10297704.2/94

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 6100294.8/48

yield_bpm4ecY_mean vs Slug



Right In: 0.210 $\pm$ 0.000 χ^2/NDF : 6505372543.7/20

Left Out: 0.059 $\pm$ 0.000 χ^2/NDF : 46821236.8/24

Right Out: 0.187 $\pm$ 0.000 χ^2/NDF : 7866633436.7/25

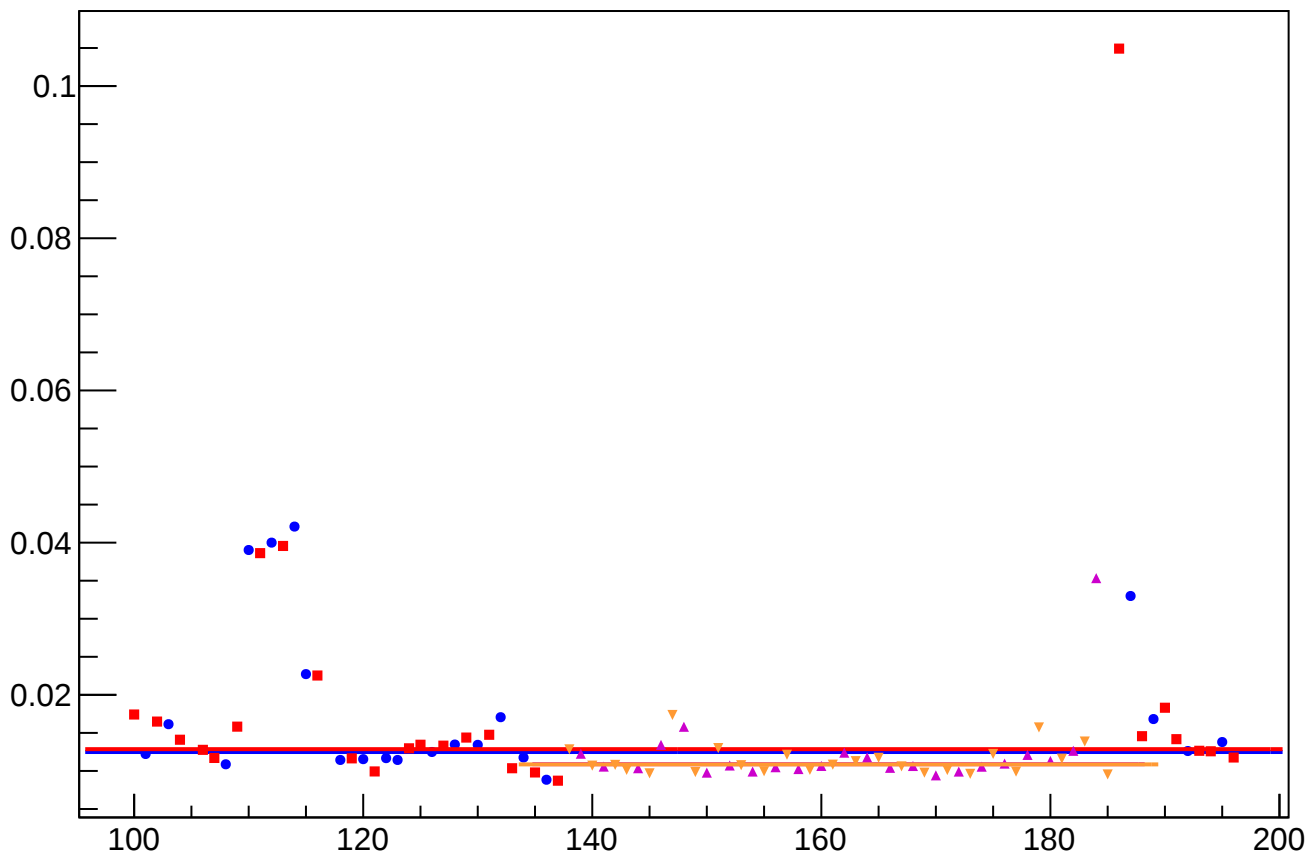
Left In: 0.059 $\pm$ 0.000 χ^2/NDF : 58518655.0/22

+ sign 0.098 $\pm$ 0.000 χ^2/NDF : 7408187093.2/45

All: 0.098 $\pm$ 0.000 χ^2/NDF : 15993763183.2/95

- sign 0.097 $\pm$ 0.000 χ^2/NDF : 8585494322.4/48

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 : 1887697.7/25

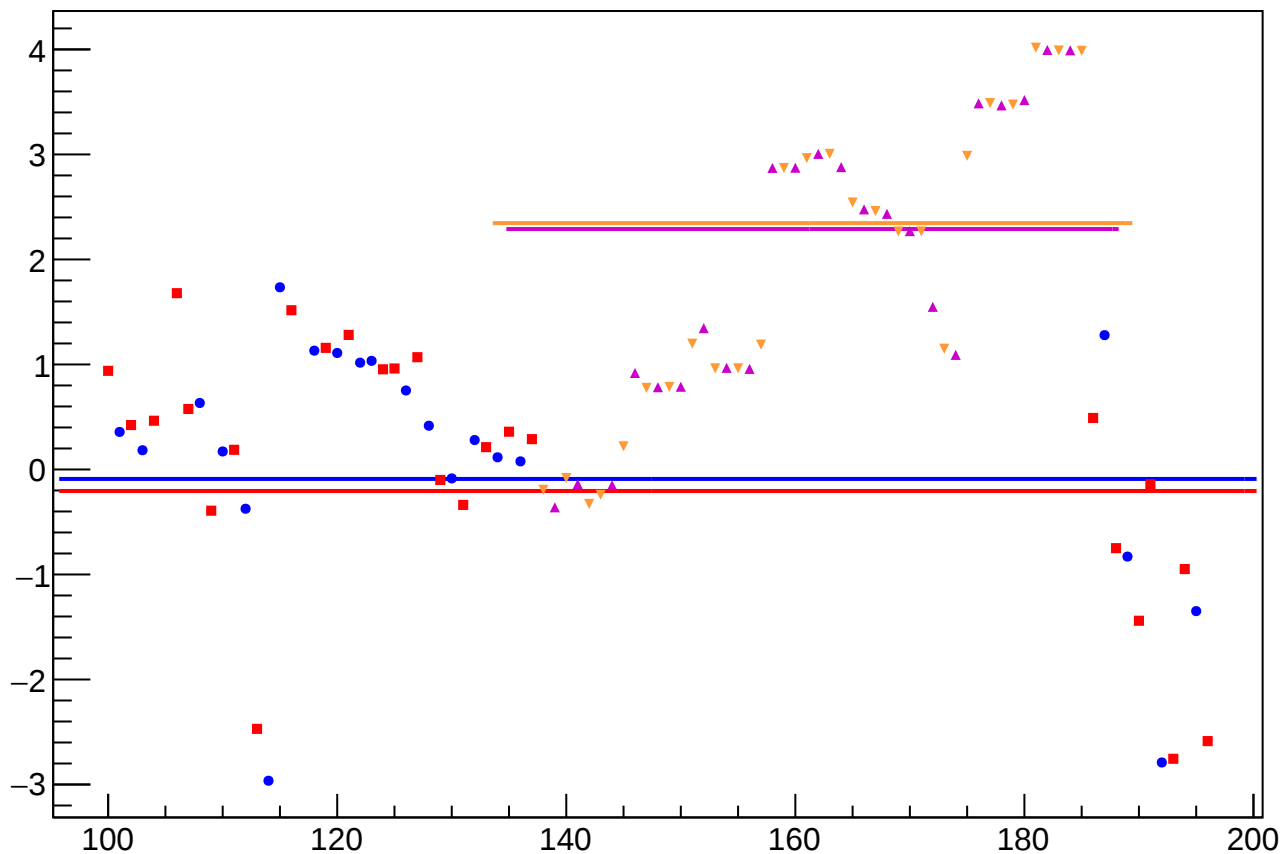
Left In: 0.011+/-0.000 χ^2/NDF : 530077.5/22

+ sign 0.011+/-0.000 χ^2/NDF : 2275989.5/45

All: 0.011+/-0.000 χ^2/NDF : 5016576.5/94

- sign 0.011+/-0.000 χ^2/NDF : 2733013.1/48

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: -0.205 ± 0.000 $\chi^2/\text{NDF}: 4162544151.4/25$

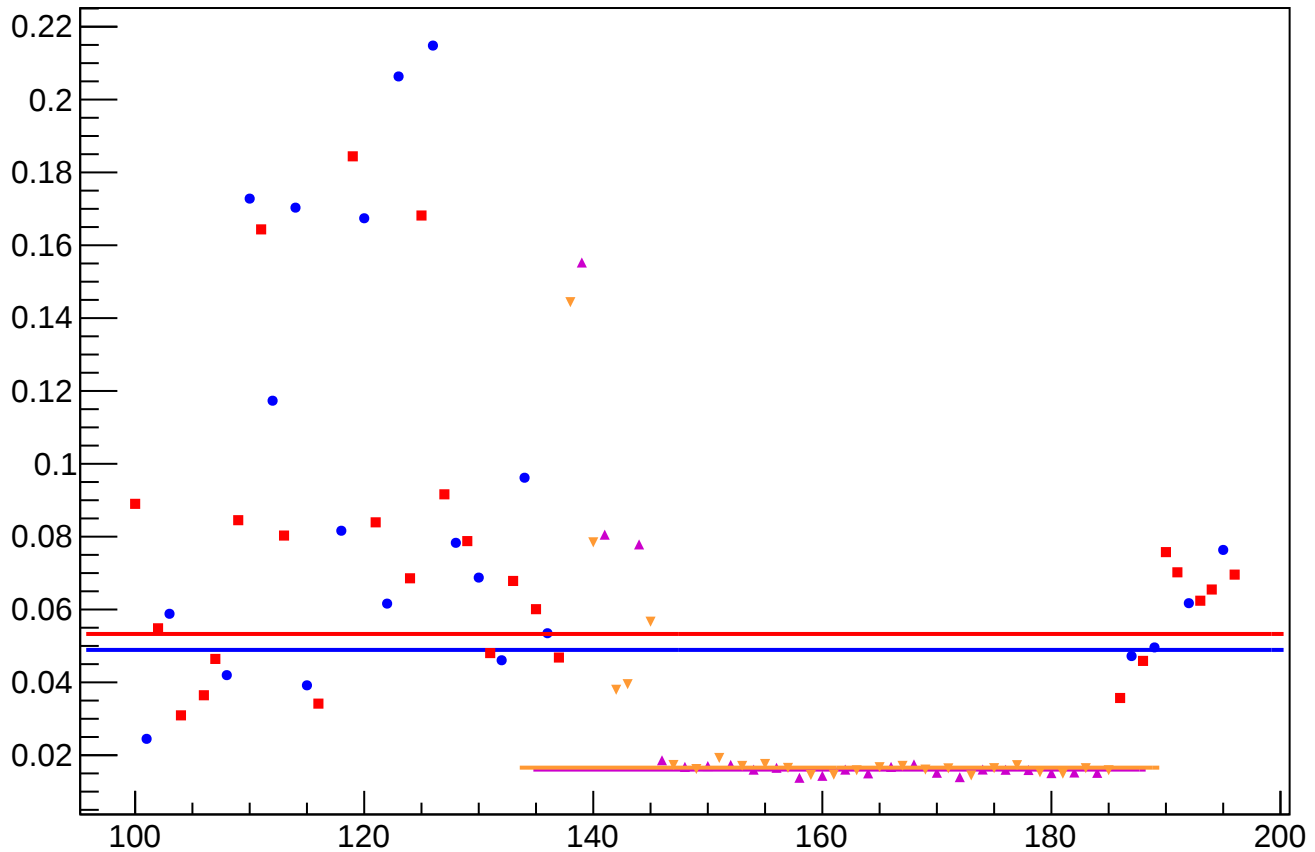
Left In: 2.290 ± 0.000 $\chi^2/\text{NDF}: 60875537647.3/22$

+ sign 2.239 ± 0.000 $\chi^2/\text{NDF}: 79575540715.2/45$

All: 2.200 ± 0.000 $\chi^2/\text{NDF}: 161091602393.2$

- sign 2.163 ± 0.000 $\chi^2/\text{NDF}: 81362974633.8/48$

yield_bpm1X_rms vs Slug



Right In: 0.049 $\pm$ 0.000 χ^2 /NDF: 3167563.5/20

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2621162.1/24

Right Out: 0.053 $\pm$ 0.000 χ^2 /NDF: 2633732.6/25

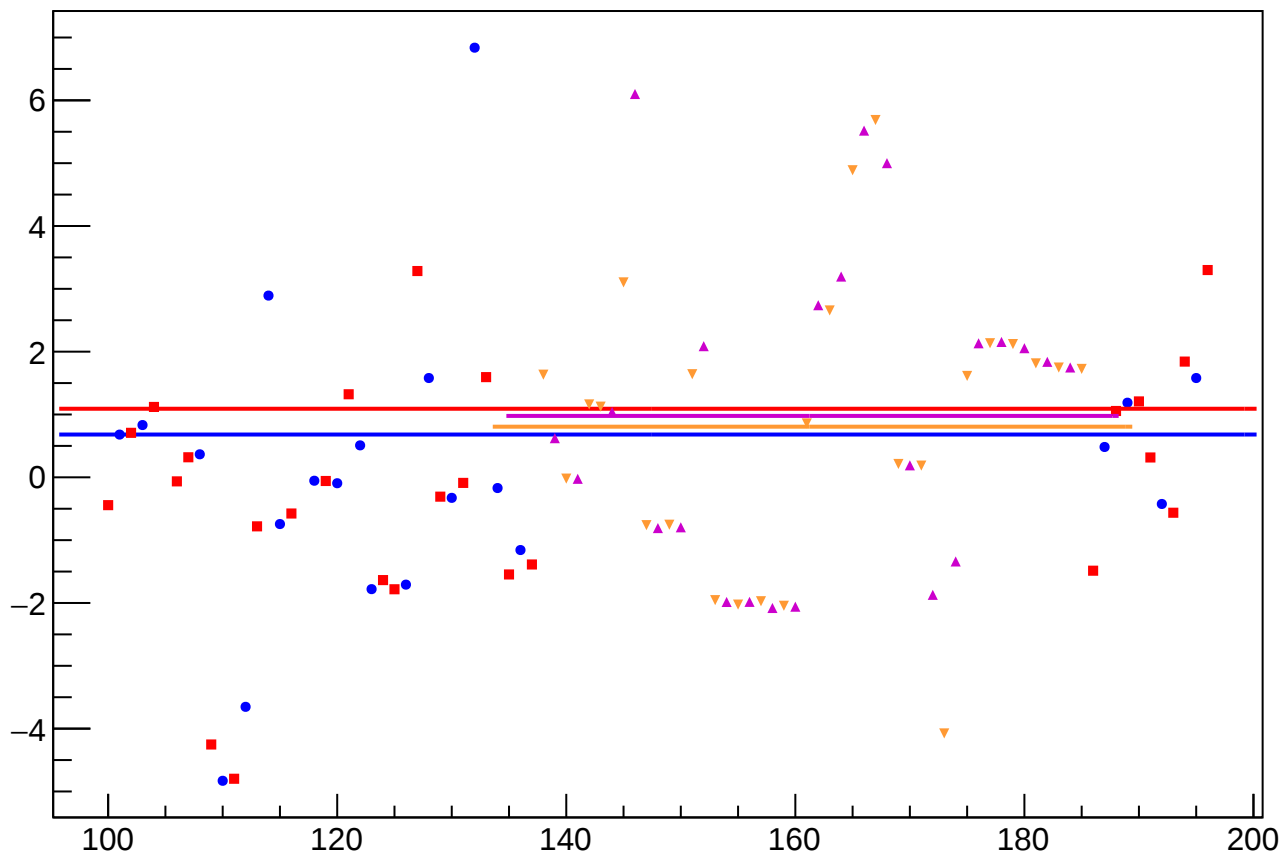
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2394376.5/22

+ sign 0.018 $\pm$ 0.000 χ^2 /NDF: 10478894.6/45

All: 0.018 $\pm$ 0.000 χ^2 /NDF: 22785560.7/94

- sign 0.018 $\pm$ 0.000 χ^2 /NDF: 12306343.6/48

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: 1.091+/-0.000 χ^2/NDF : 22508660052.5/25

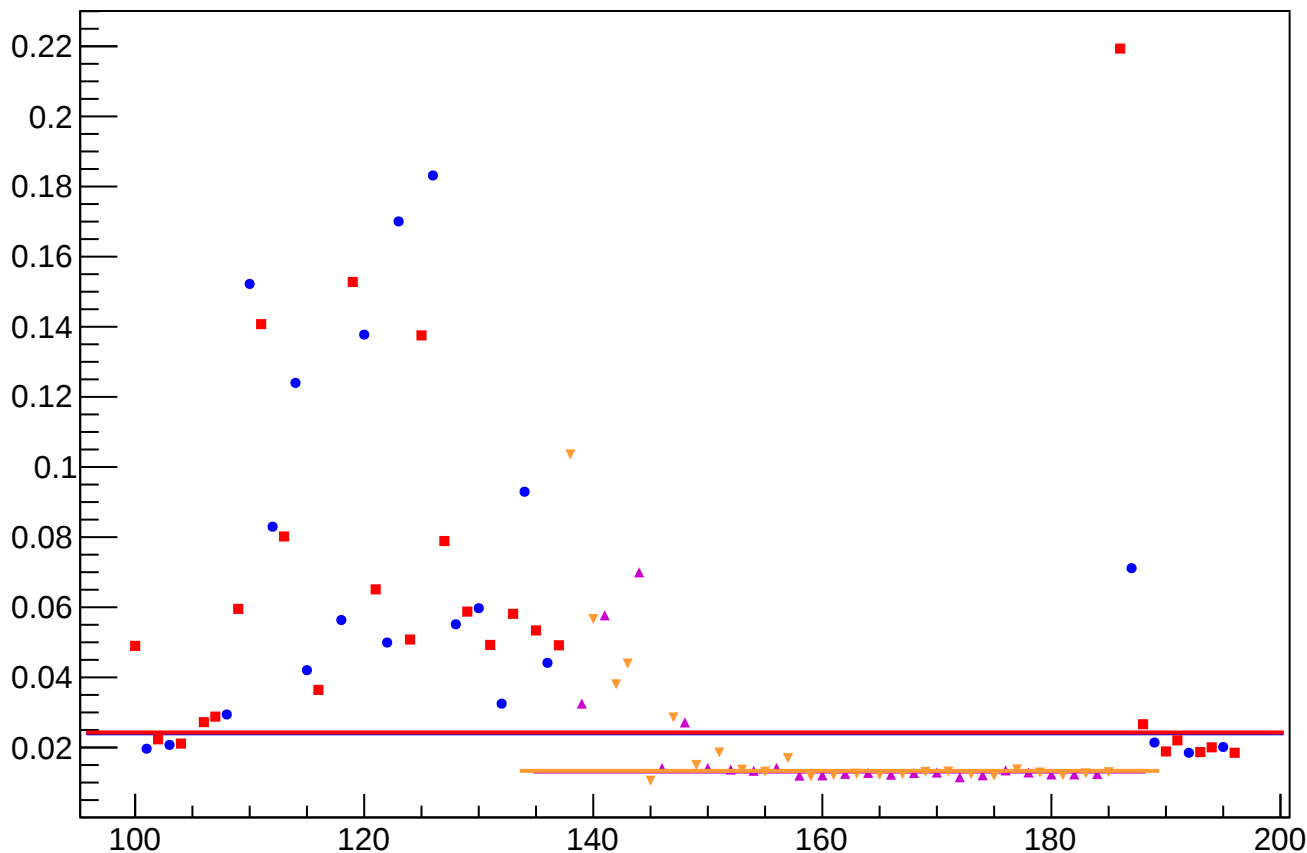
Left In: 0.977+/-0.000 χ^2/NDF : 568209676597.4/22

+ sign 0.794+/-0.000 χ^2/NDF : 523295335383.2/45

All: 0.894+/-0.000 χ^2/NDF : 1115985709338.

- sign 0.991+/-0.000 χ^2/NDF : 590848817502.1/48

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: 0.024 $\pm$ 0.000 χ^2 /NDF: 4550994.3/25

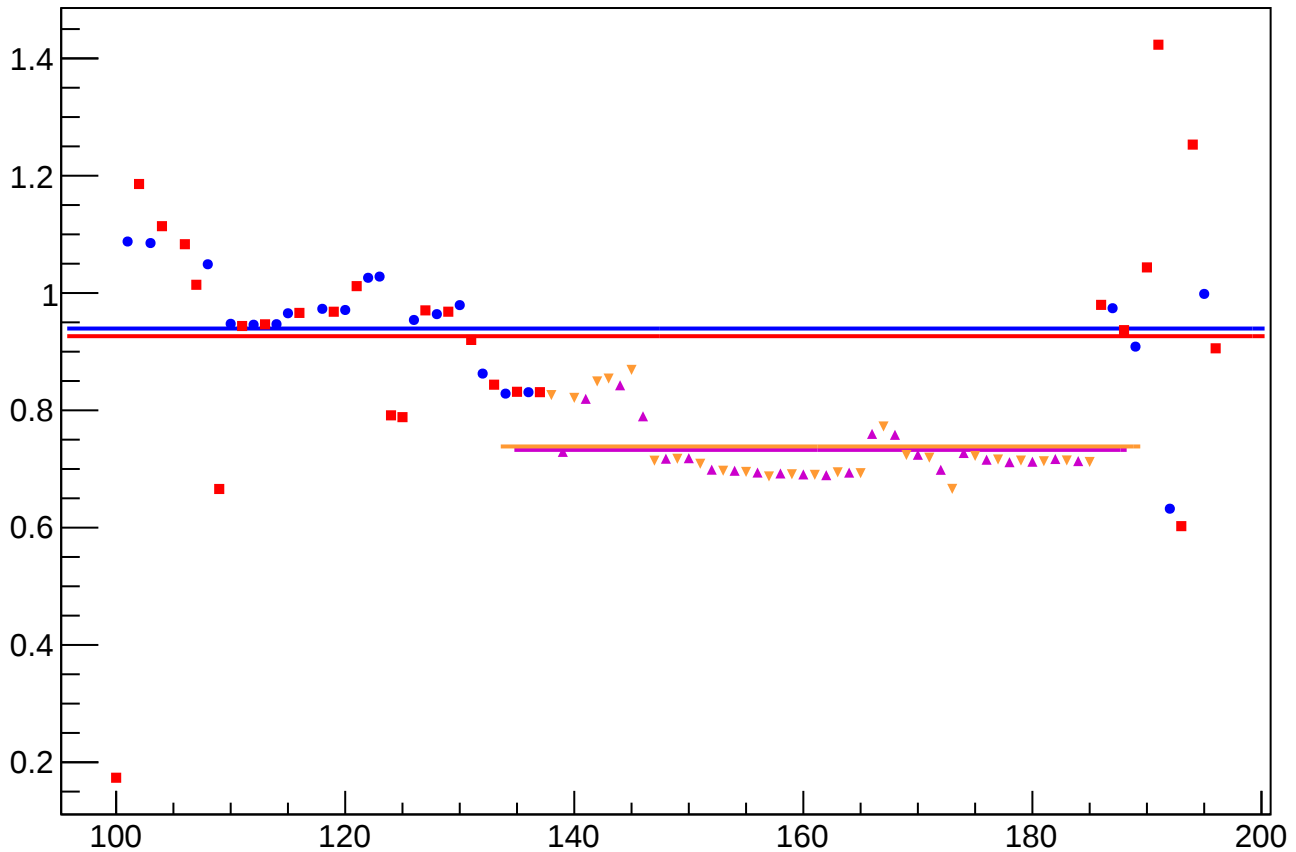
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:1946693.6/22

+ sign 0.014 $\pm$ 0.000 χ^2 /NDF: 8284198.5/45

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 17279363.4/94

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 8994370.7/48

yield_bpm11X_mean vs Slug



Right In: 0.939 ± 0.000 χ^2/NDF : 300875949.7/20

Left Out: 0.738 ± 0.000 χ^2/NDF : 310195180.4/24

+ sign 0.795 ± 0.000 χ^2/NDF : 1585211825.8/45

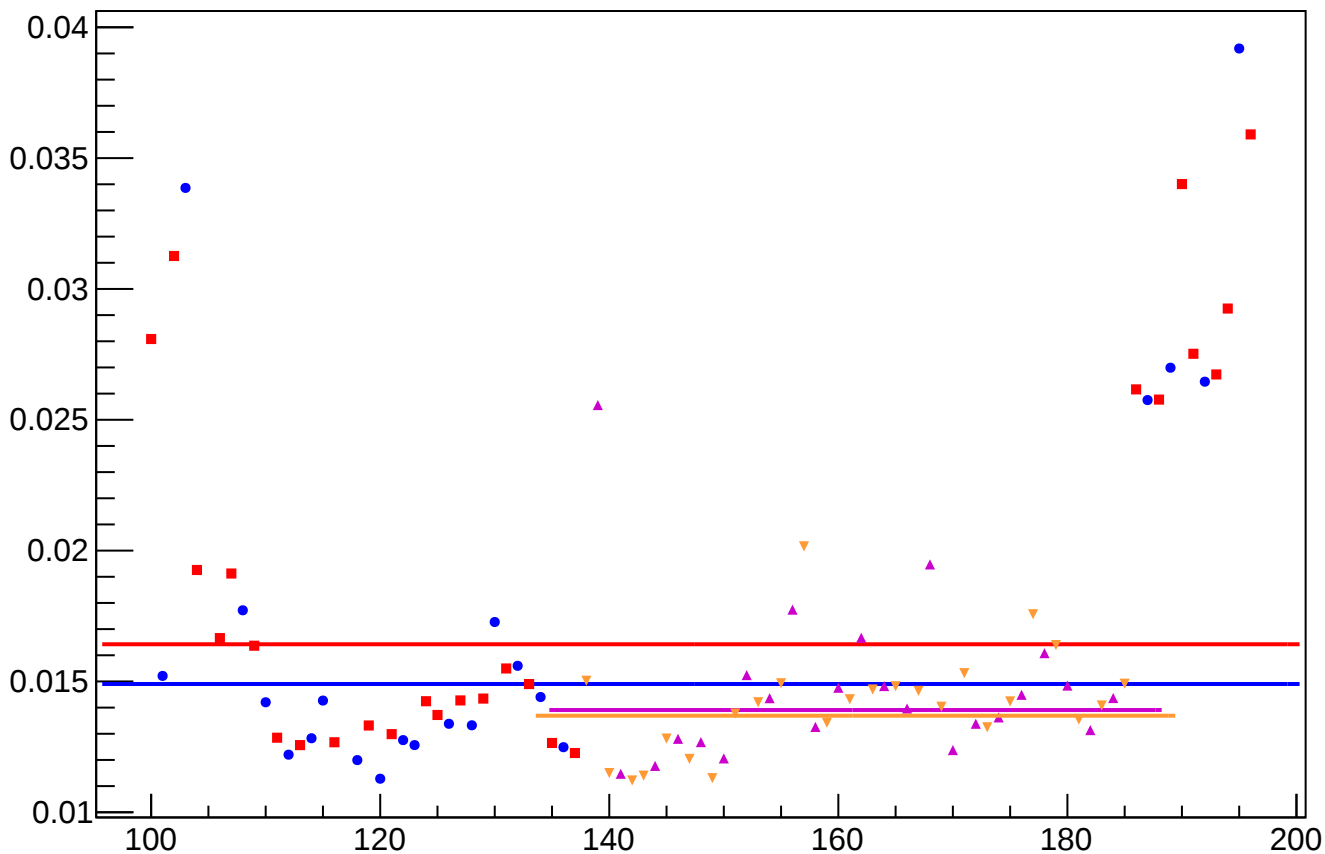
Right Out: 0.926 ± 0.000 χ^2/NDF : 660832067.4/25

All: 0.793 ± 0.000 χ^2/NDF : 3315926341.8/94

- sign 0.791 ± 0.000 χ^2/NDF : 1729832440.2/48

Left In: 0.733 ± 0.000 χ^2/NDF : 170102394.7/22

yield_bpm11X_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1792294.4/20

Left Out: 0.014+/-0.000 χ^2/NDF : 528480.6/24

Right Out: 0.016+/-0.000 χ^2/NDF : 2260514.7/25

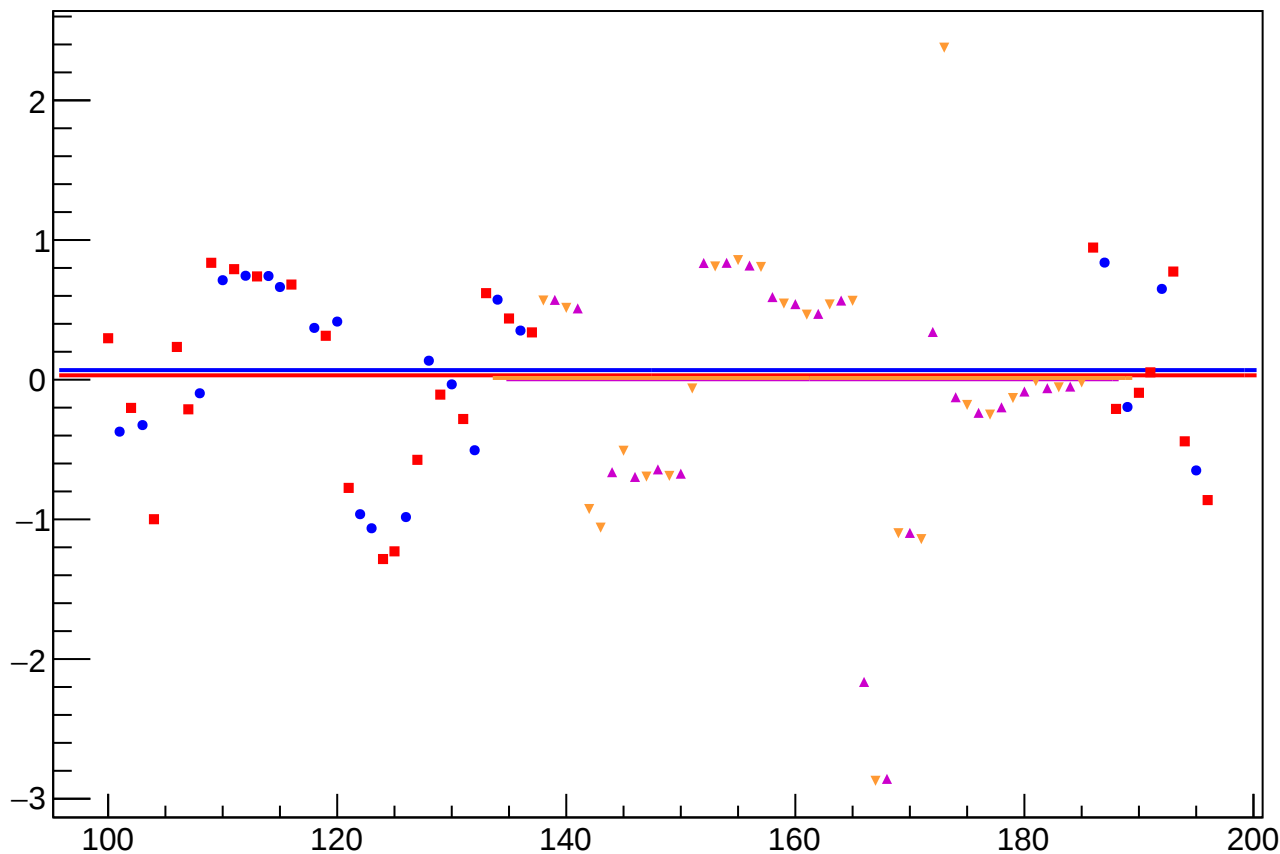
Left In: 0.014+/-0.000 χ^2/NDF : 768161.9/22

+ sign 0.014+/-0.000 χ^2/NDF : 2391524.9/45

All: 0.014+/-0.000 χ^2/NDF : 5769174.4/94

- sign 0.015+/-0.000 χ^2/NDF : 3330999.6/48

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: 0.031+/-0.000 χ^2/NDF : 22625150459.7/25

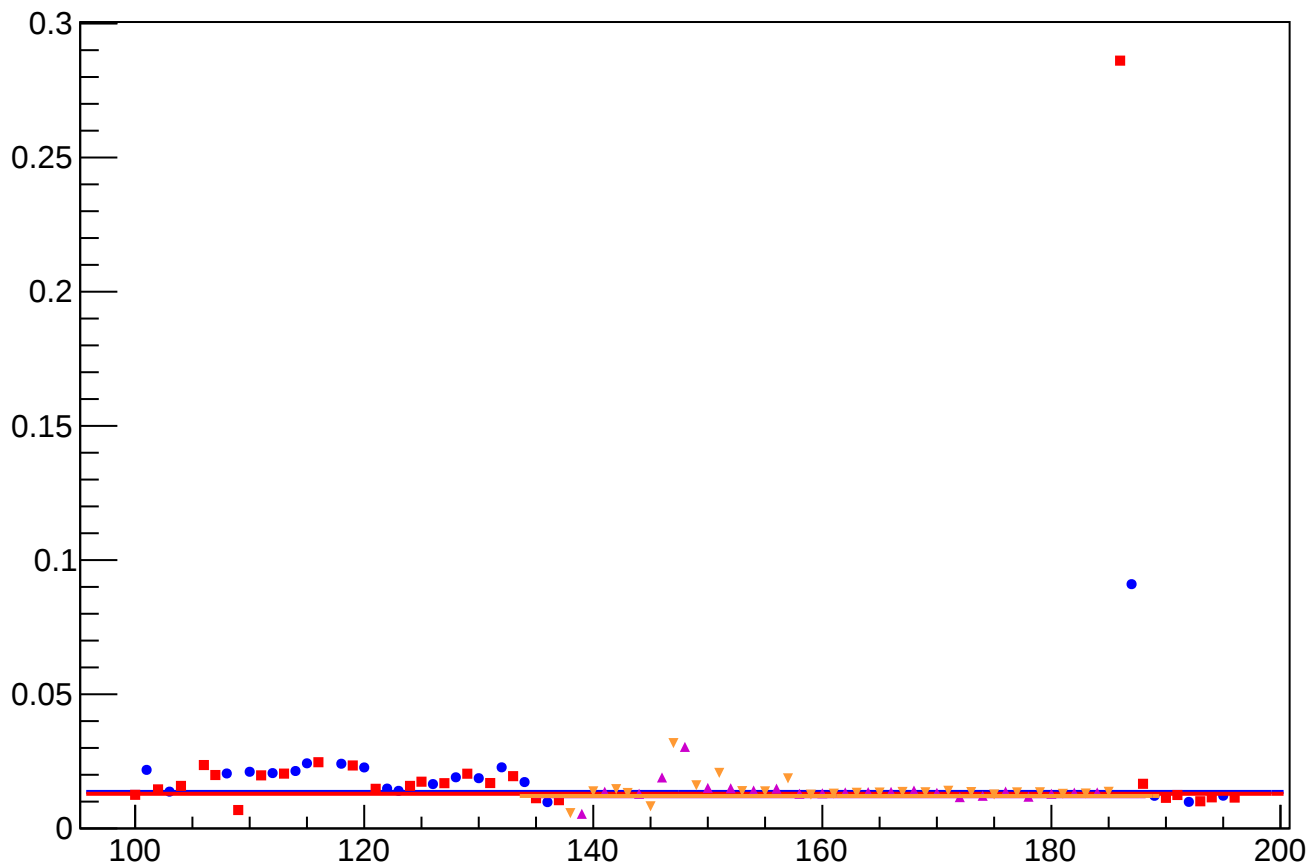
Left In: 0.003+/-0.000 χ^2/NDF : 78826489573.0/22

+ sign 0.028+/-0.000 χ^2/NDF : 108732187490.6/45

All: 0.020+/-0.000 χ^2/NDF : 210228796617.6

- sign 0.013+/-0.000 χ^2/NDF : 101479423757.0/48

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: 2479343.7/25

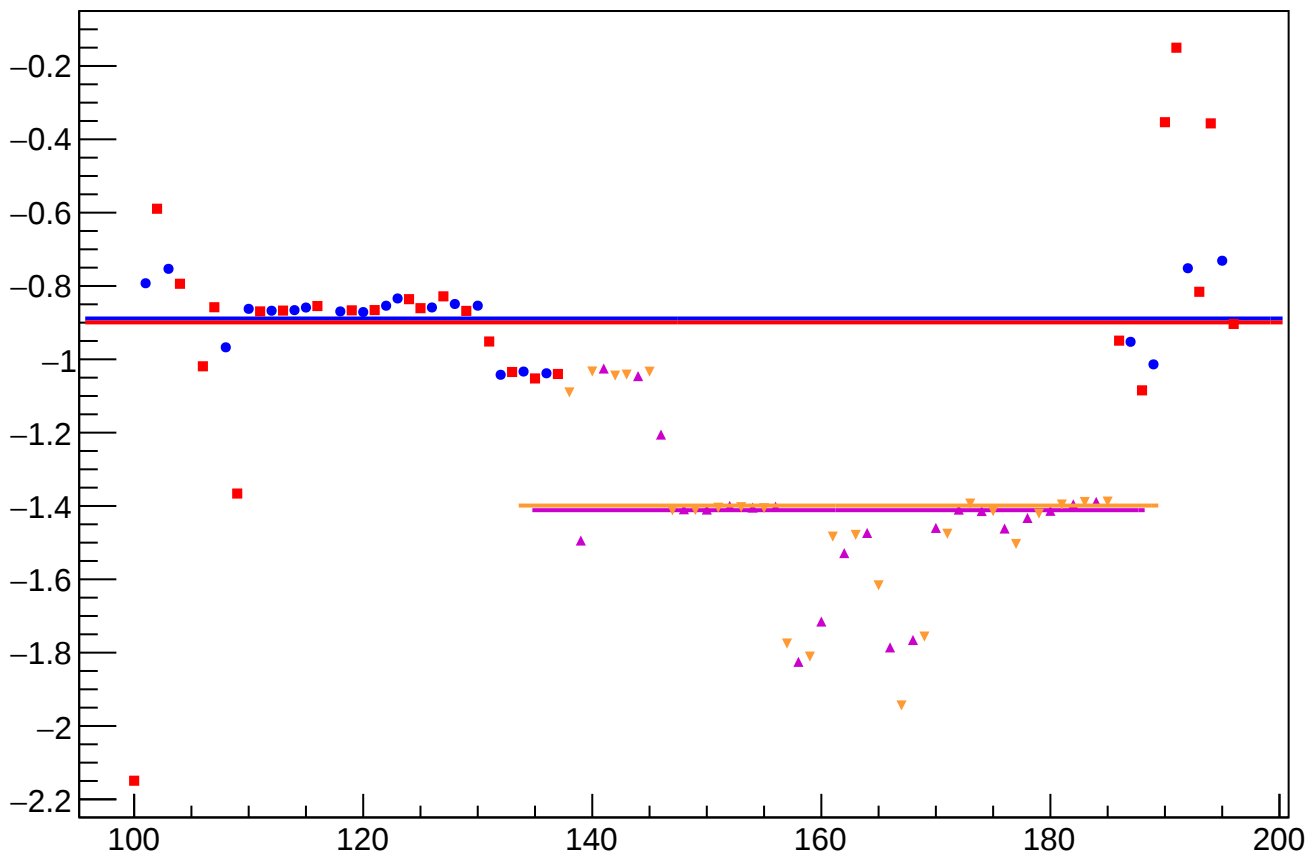
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3003502.9/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 5040282.1/45

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 10589193.7/94

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5542431.6/48

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 : 242360450.1/25

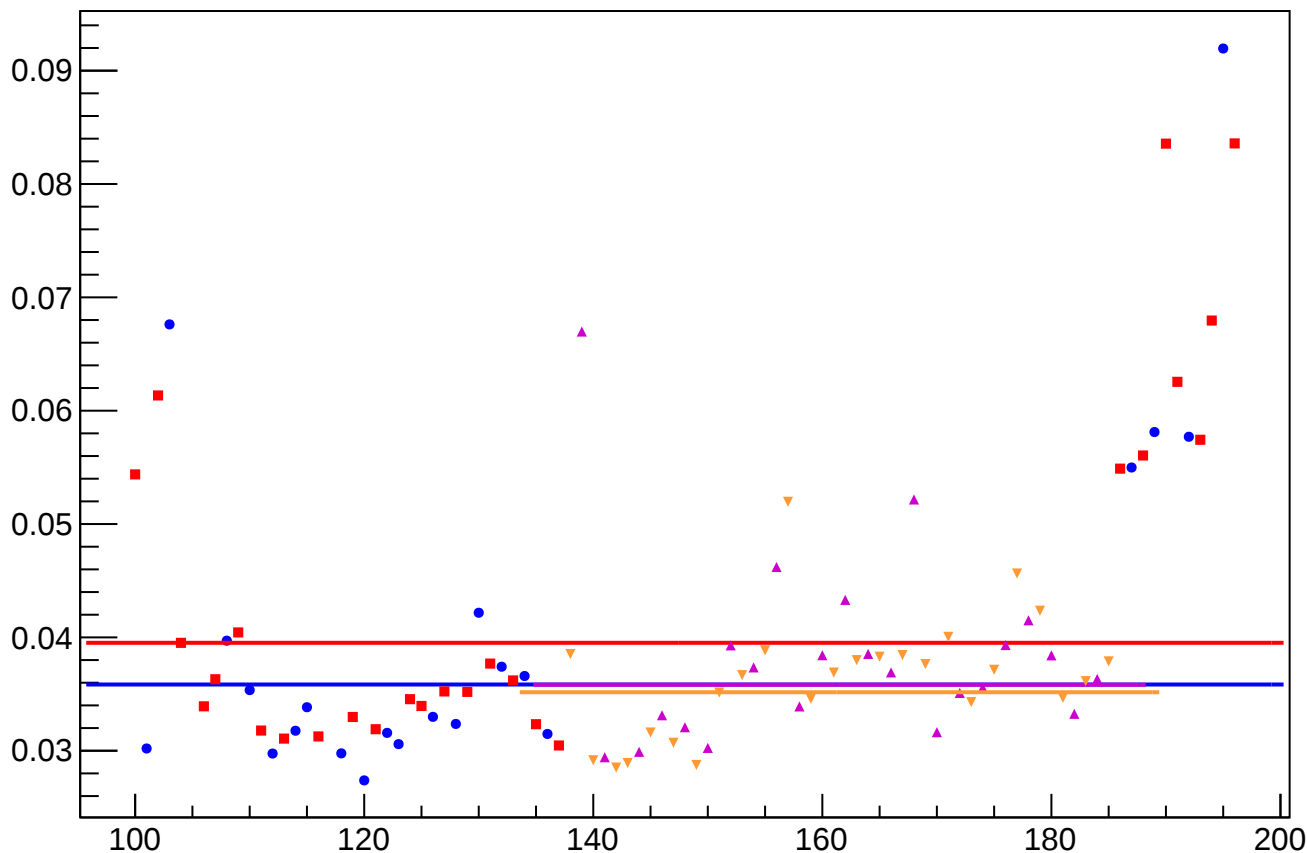
Left In: -1.411 ± 0.000 χ^2/NDF : 512547995.0/22

+ sign -1.240 ± 0.000 χ^2/NDF : 1838776284.8/45

All: -1.239 ± 0.000 χ^2/NDF : 3643043400.2/9

- sign -1.239 ± 0.000 χ^2/NDF : 1804266466.6/48

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: 0.040 $\pm$ 0.000 χ^2/NDF : 1762449.5/25

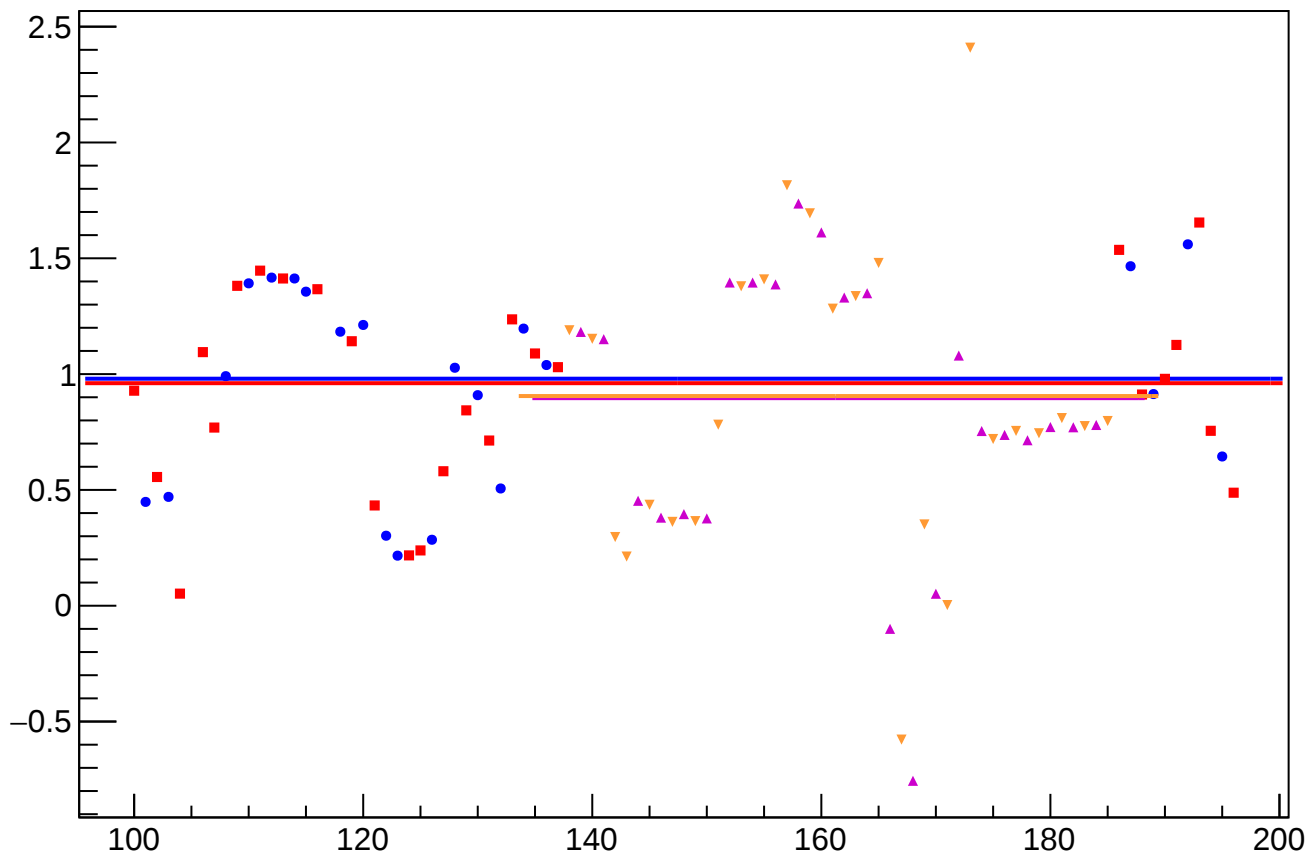
Left In: 0.036 $\pm$ 0.000 χ^2/NDF : 864147.6/22

+ sign 0.035 $\pm$ 0.000 χ^2/NDF : 2074867.7/45

All: 0.036 $\pm$ 0.000 χ^2/NDF : 4863687.7/94

- sign 0.037 $\pm$ 0.000 χ^2/NDF : 2736304.6/48

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: 0.961 $\pm$ 0.000 χ^2 /NDF: 19193483159.6/25

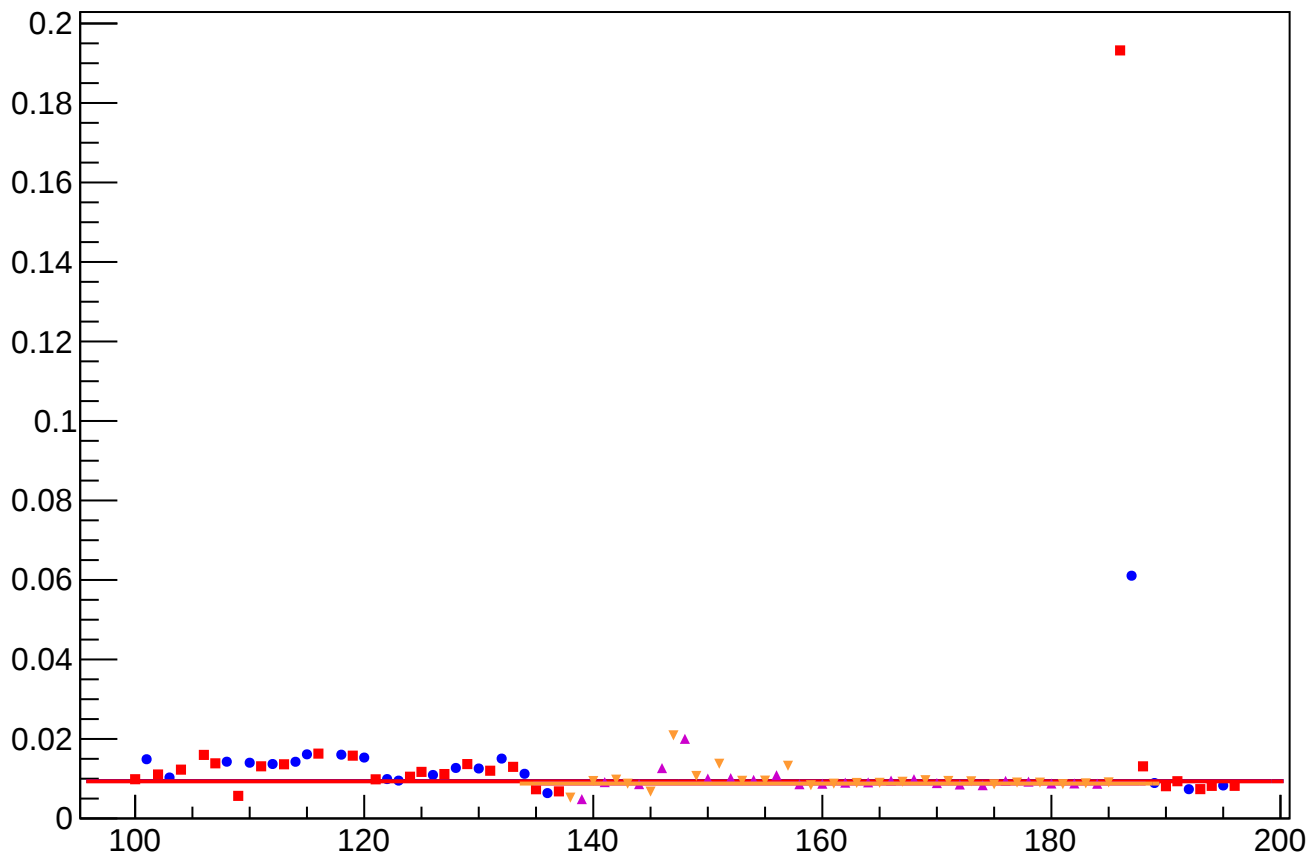
Left In: 0.896 $\pm$ 0.000 χ^2 /NDF: 66594200889.6/22

+ sign 0.926 $\pm$ 0.000 χ^2 /NDF: 98528941316.8/45

All: 0.922 $\pm$ 0.000 χ^2 /NDF: 184615904619.2

- sign 0.918 $\pm$ 0.000 χ^2 /NDF: 86076550312.9/48

yield_bpm12Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 1684407.7/20

Left Out: 0.009+/-0.000 χ^2/NDF : 1697568.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 2154518.6/25

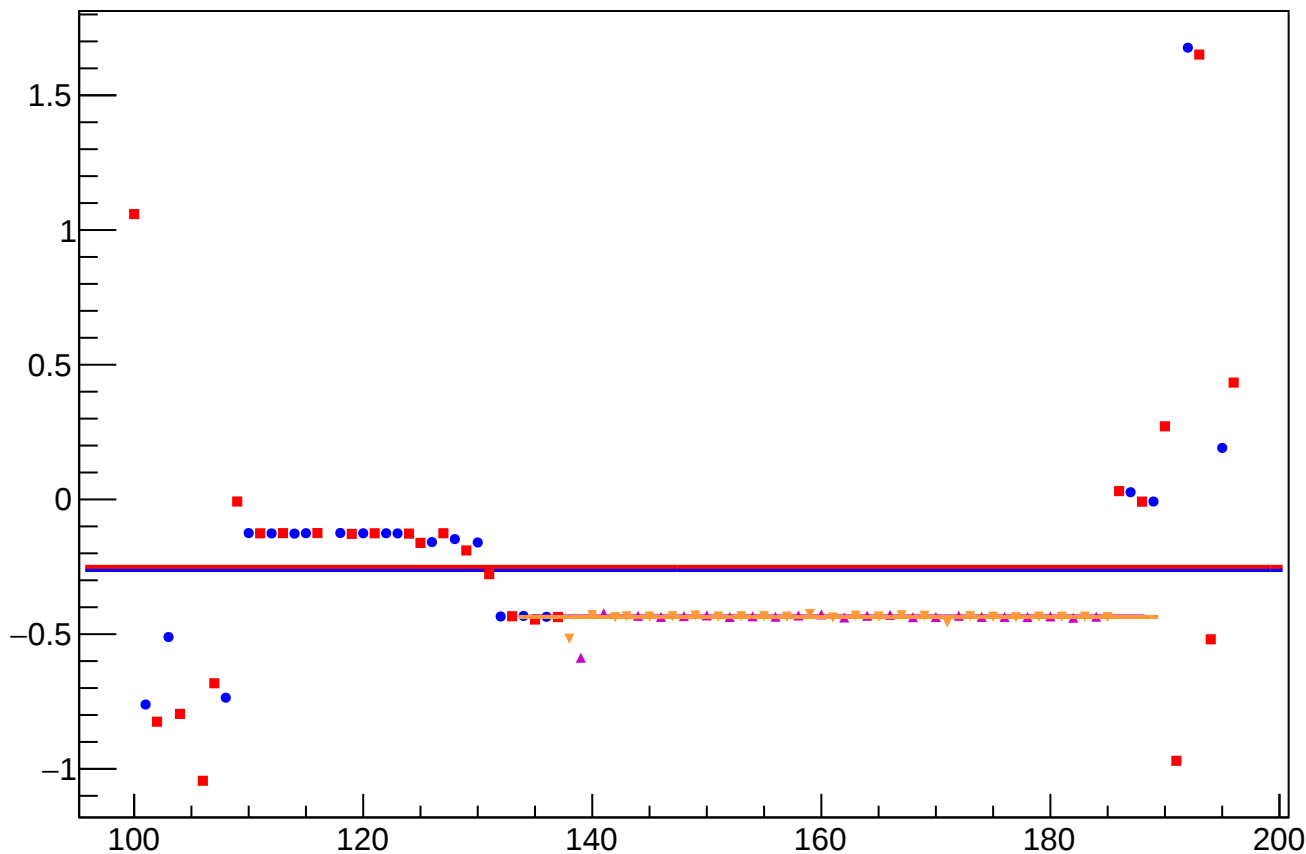
Left In: 0.009+/-0.000 χ^2/NDF : 1607939.0/22

+ sign 0.009+/-0.000 χ^2/NDF : 3431589.0/45

All: 0.009+/-0.000 χ^2/NDF : 7239869.1/94

- sign 0.009+/-0.000 χ^2/NDF : 3808248.0/48

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: -0.250 ± 0.000 $\chi^2/\text{NDF}: 1835687853.2/25$

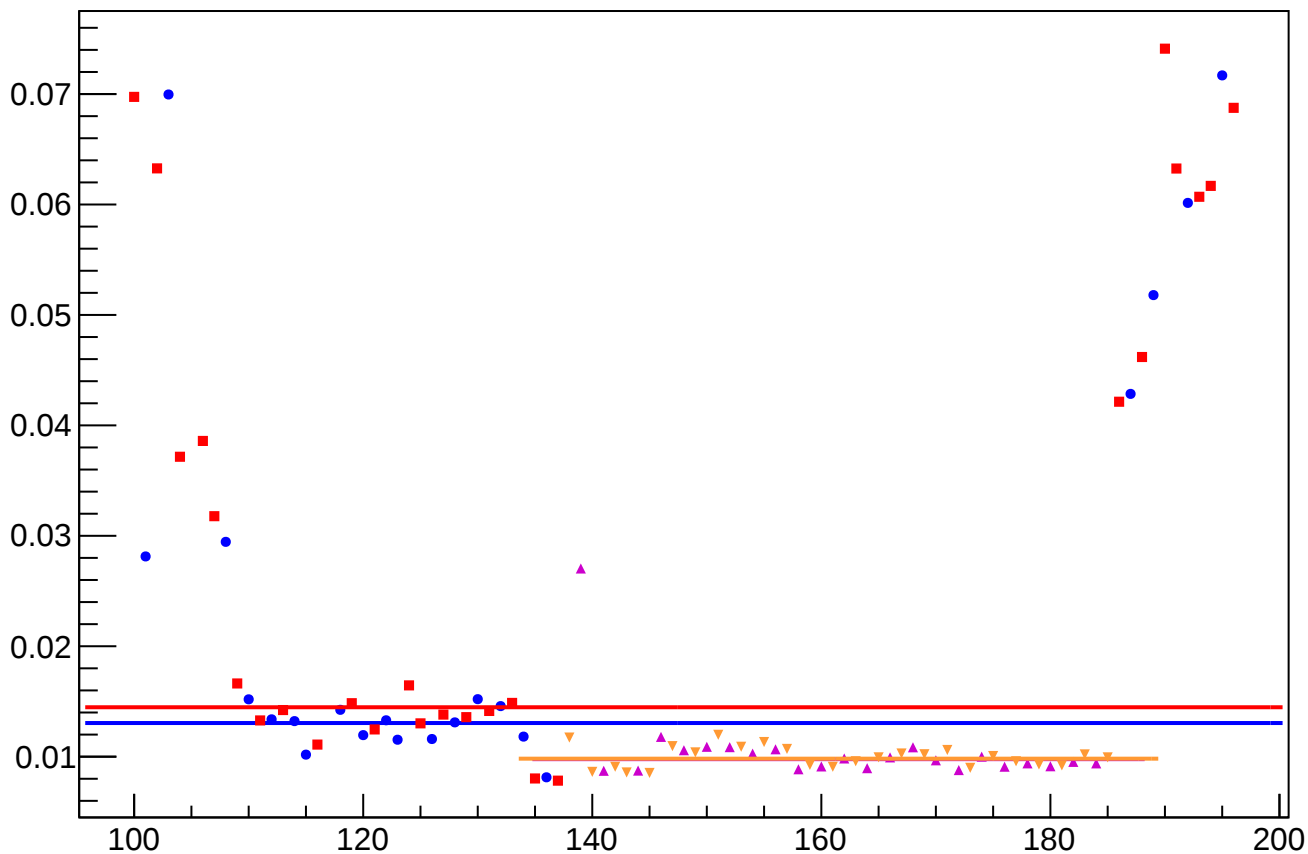
Left In: -0.434 ± 0.000 $\chi^2/\text{NDF}: 23984173.0/22$

+ sign -0.407 ± 0.000 $\chi^2/\text{NDF}: 2745380367.4/45$

All: -0.405 ± 0.000 $\chi^2/\text{NDF}: 5480451072.7/9$

- sign -0.403 ± 0.000 $\chi^2/\text{NDF}: 2733460983.9/48$

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: 6658285.3/25

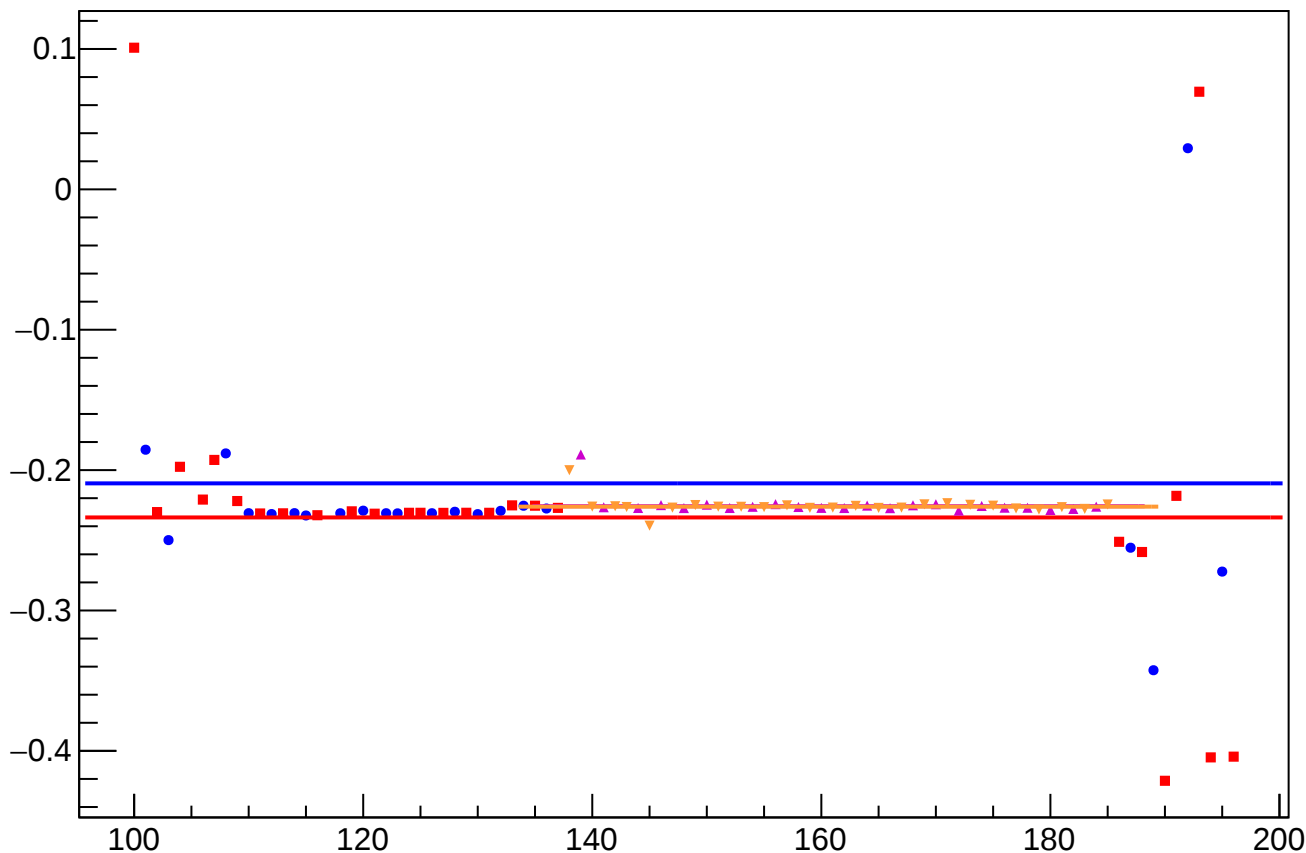
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:747550.0/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 5402904.3/45

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 13957522.6/94

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 8546249.3/48

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: -0.234 ± 0.000 χ^2/NDF : 3882932404.9/25

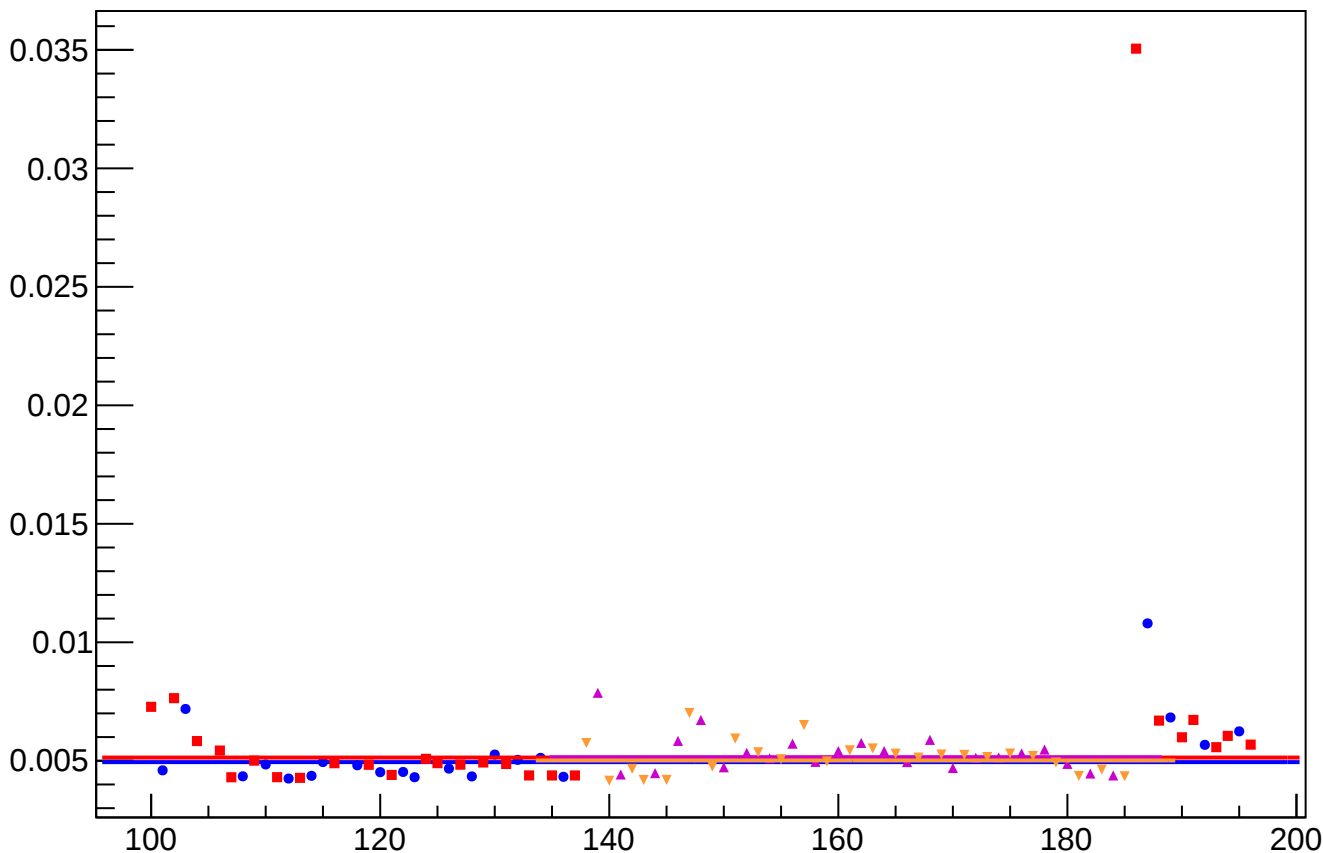
Left In: -0.226 ± 0.000 χ^2/NDF : 15245251.1/22

+ sign -0.221 ± 0.000 χ^2/NDF : 2045413762.5/45

All: -0.225 ± 0.000 χ^2/NDF : 5992176328.6/9

- sign -0.229 ± 0.000 χ^2/NDF : 3913130430.1/48

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: 1022899.8/25

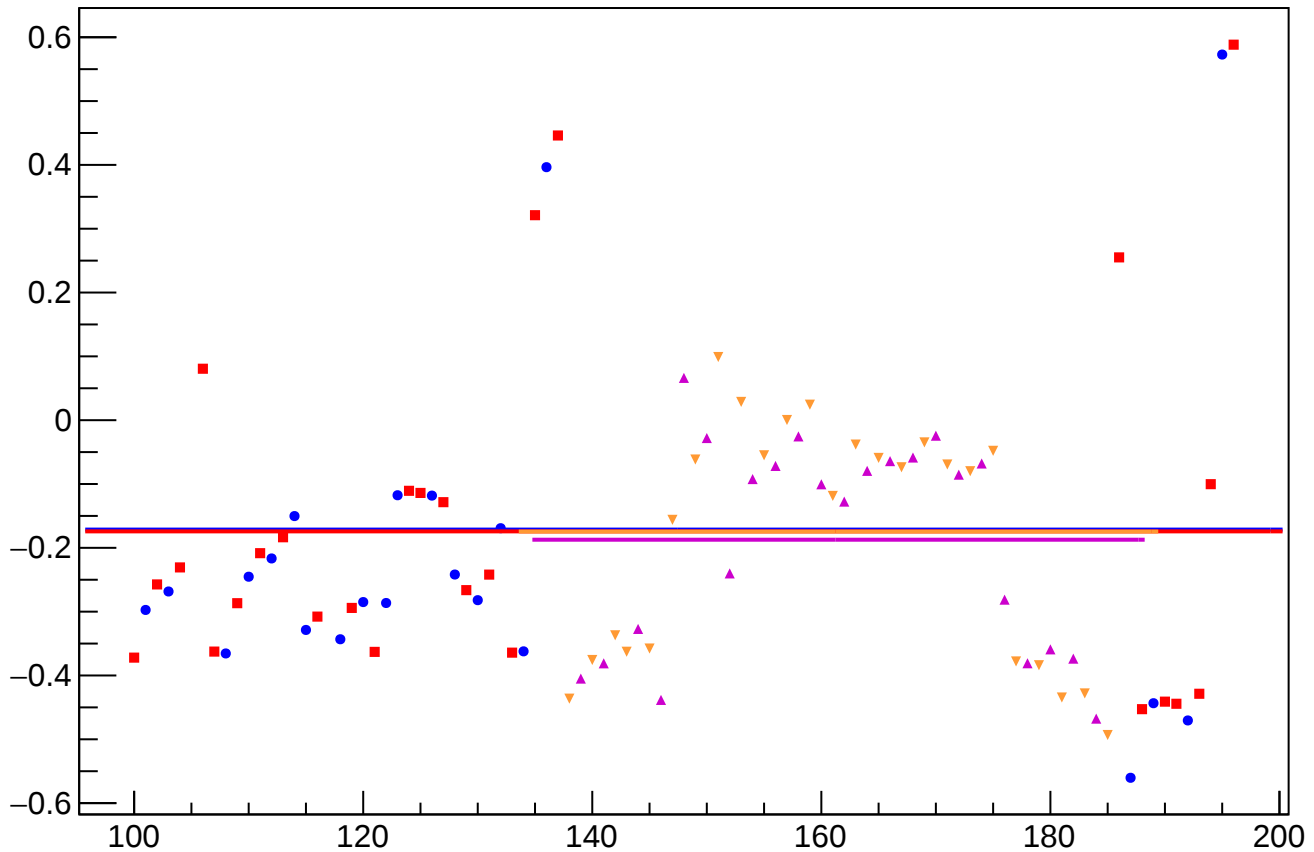
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:493107.7/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 1001000.0/45

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 2540232.8/94

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 1516058.7/48

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: -0.174+/-0.000 χ^2/NDF : 20308300564.5/25

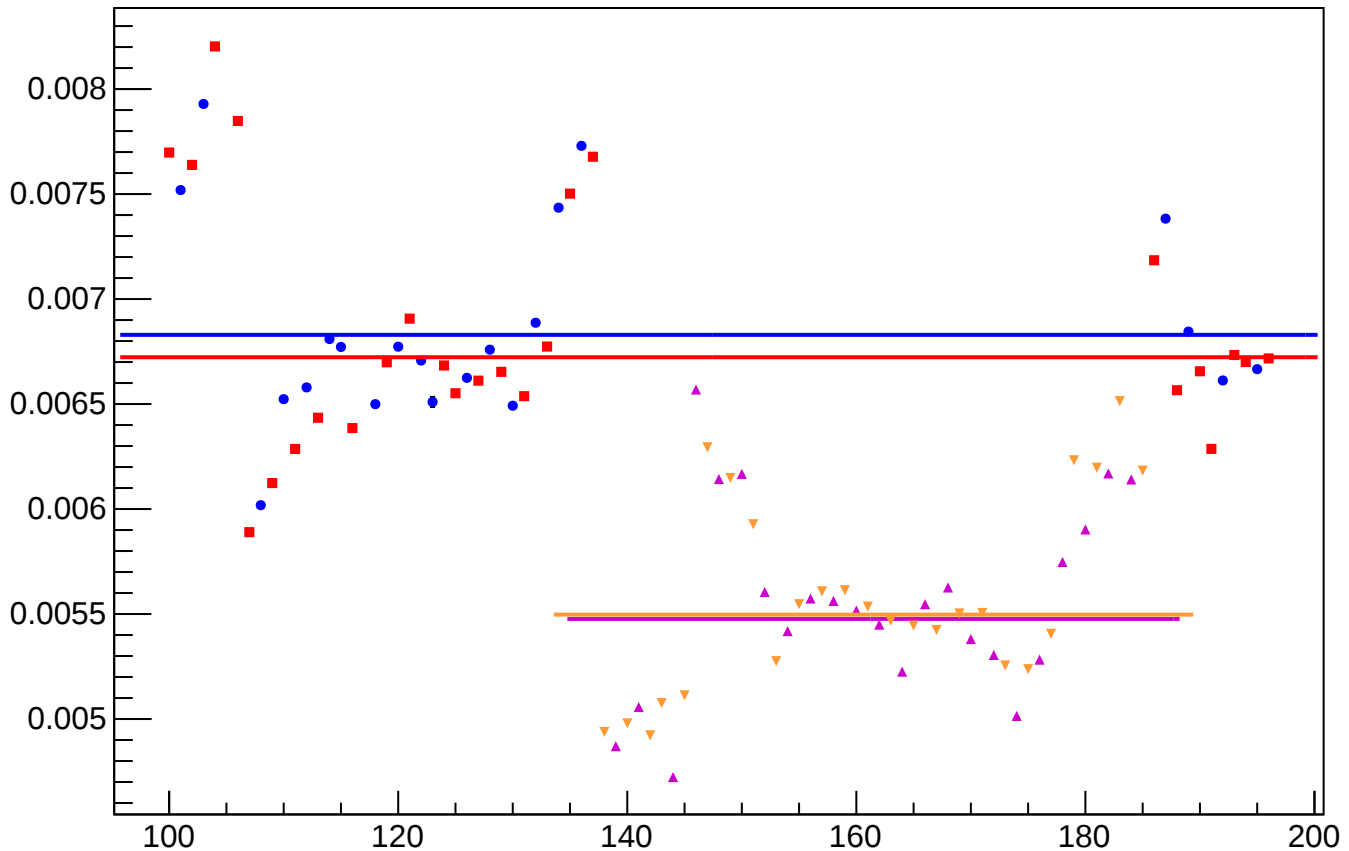
Left In: -0.187+/-0.000 χ^2/NDF : 12816646575.4/22

+ sign -0.174+/-0.000 χ^2/NDF : 37464028050.4/45

All: -0.179+/-0.000 χ^2/NDF : 70653162267.0/48

- sign -0.183+/-0.000 χ^2/NDF : 33153768630.6/48

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 : 112263.3/25

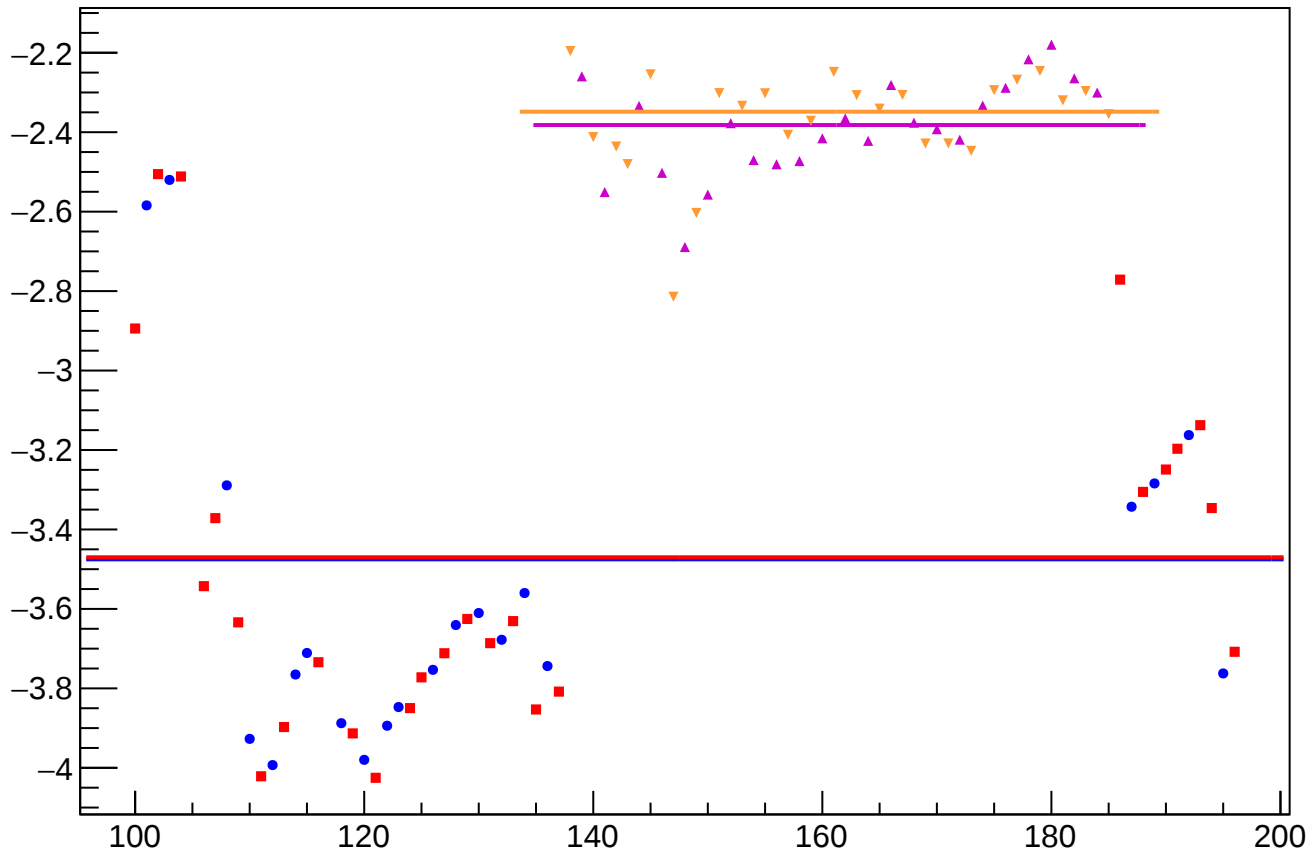
Left In: 0.005+/-0.000 χ^2/NDF : 202181.4/22

+ sign 0.006+/-0.000 χ^2/NDF : 791408.6/45

All: 0.006+/-0.000 χ^2/NDF : 1631438.8/94

- sign 0.006+/-0.000 χ^2/NDF : 839146.6/48

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: -3.470+/-0.000 χ^2/NDF : 29505237797.6/25

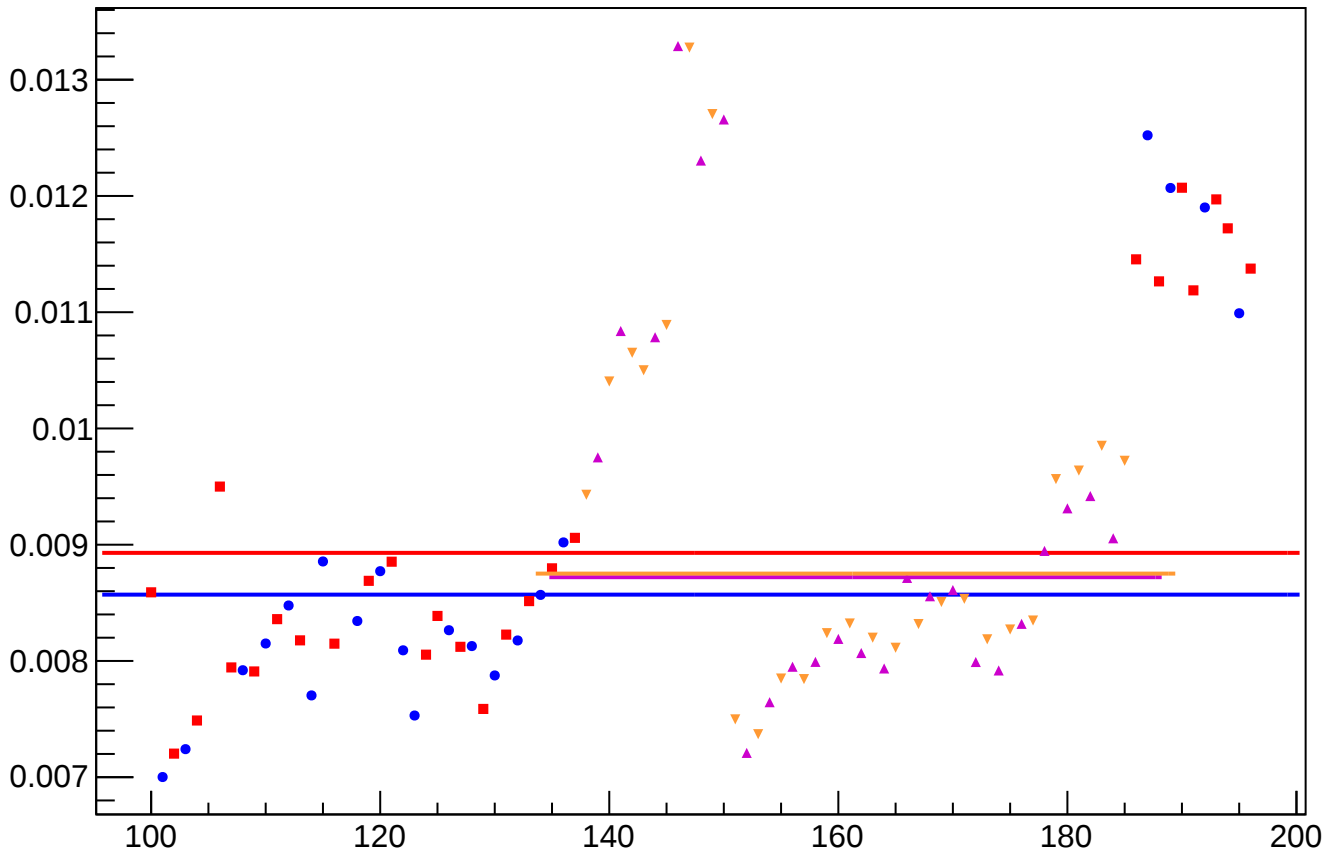
Left In: -2.382+/-0.000 χ^2/NDF : 2318395228.4/22

+ sign -2.734+/-0.000 χ^2/NDF : 128490102100.2/45

All: -2.768+/-0.000 χ^2/NDF : 258179771856.7

- sign -2.800+/-0.000 χ^2/NDF : 128943928898.7/48

yield_bpm0i02Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 453403.9/20

Left Out: 0.009+/-0.000 χ^2/NDF : 663672.8/24

Right Out: 0.009+/-0.000 χ^2/NDF : 624340.3/25

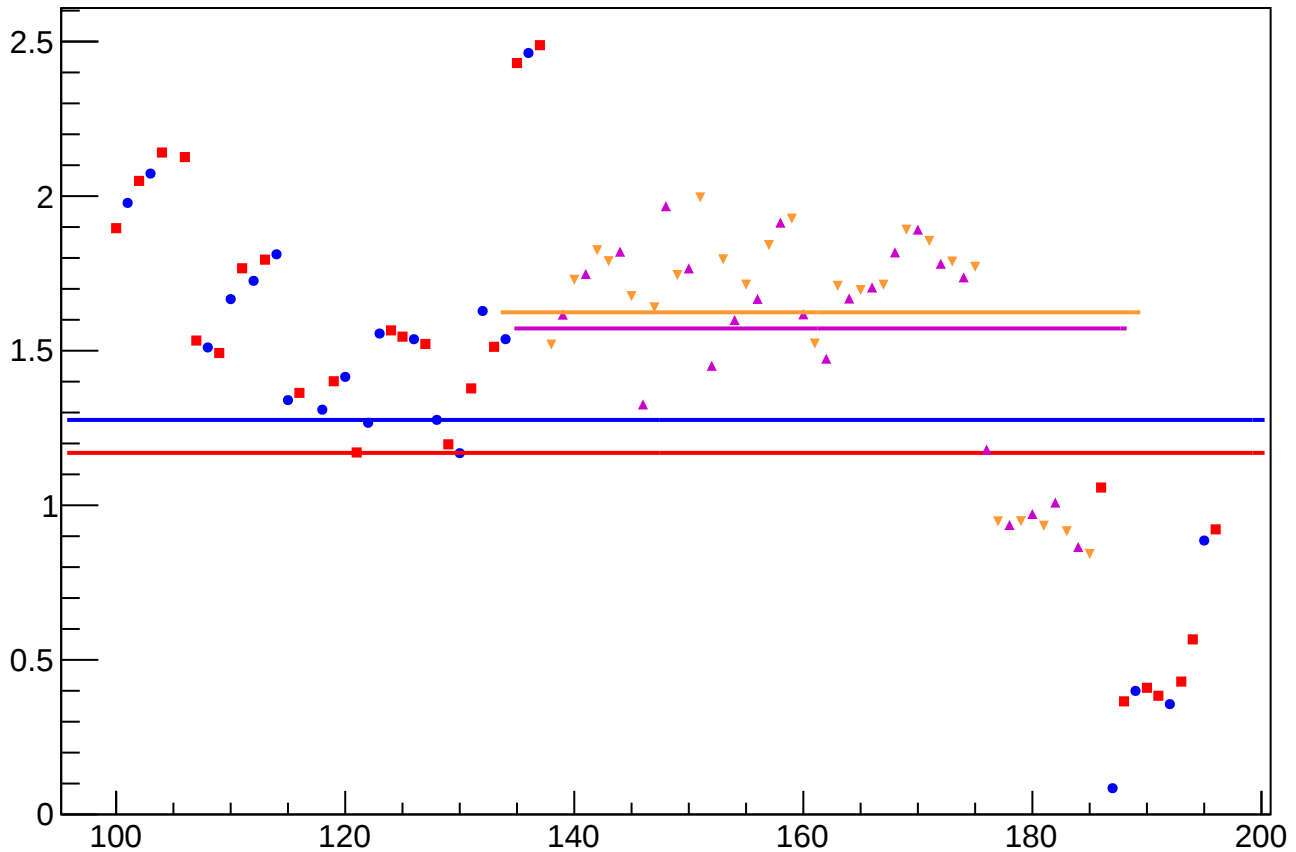
Left In: 0.009+/-0.000 χ^2/NDF : 747867.0/22

+ sign 0.009+/-0.000 χ^2/NDF : 1122122.8/45

All: 0.009+/-0.000 χ^2/NDF : 2505801.7/94

- sign 0.009+/-0.000 χ^2/NDF : 1379393.5/48

yield_bpm0i02aX_mean vs Slug



Right In: 1.276+/-0.000 χ^2/NDF : 25493566772.4/20

Left Out: 1.624+/-0.000 χ^2/NDF : 16631112386.4/24

Right Out: 1.169+/-0.000 χ^2/NDF : 32035796103.9/25

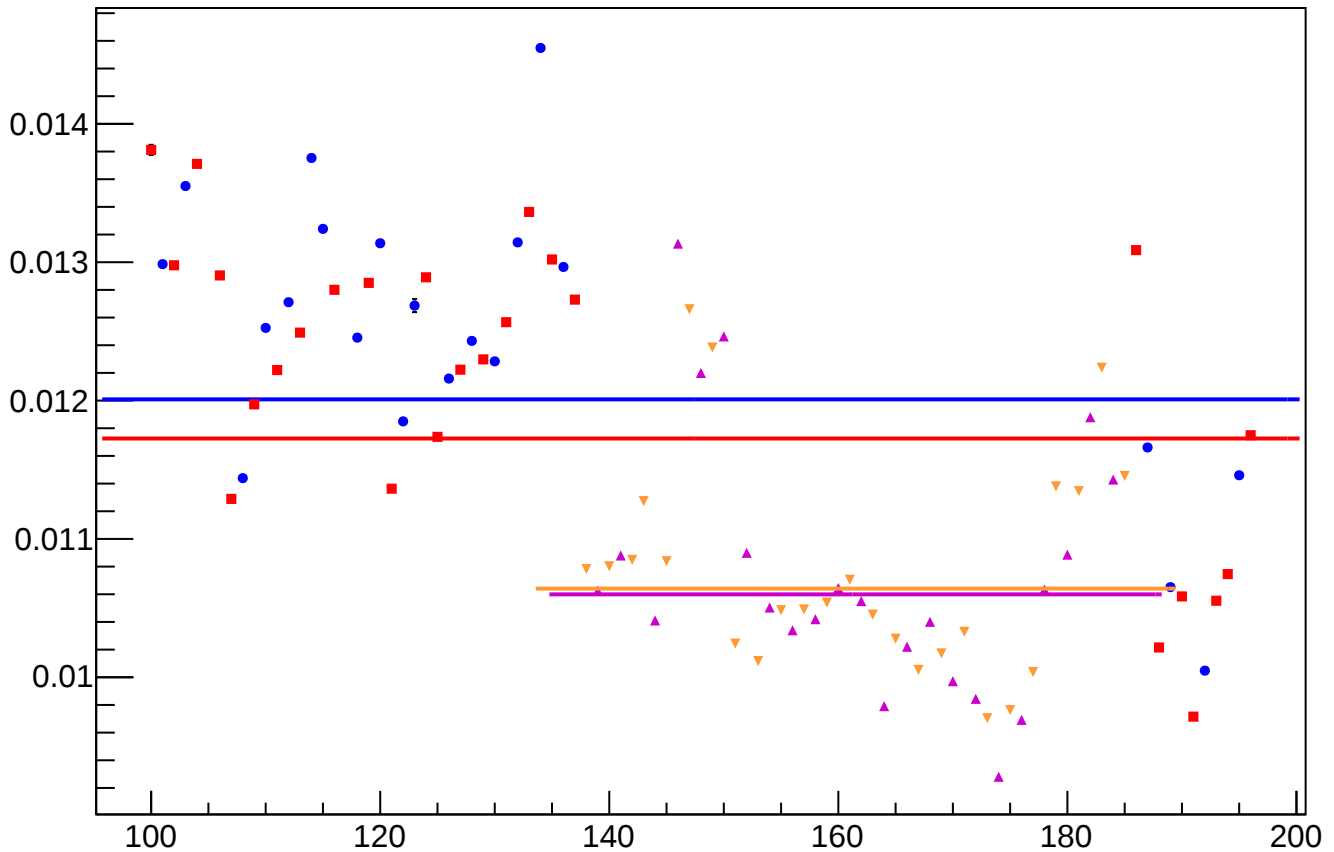
Left In: 1.572+/-0.000 χ^2/NDF : 14230484809.4/22

+ sign 1.526+/-0.000 χ^2/NDF : 47443797484.5/45

All: 1.478+/-0.000 χ^2/NDF : 103095651639.1

- sign 1.431+/-0.000 χ^2/NDF : 54647077872.8/48

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: 195263.9/25

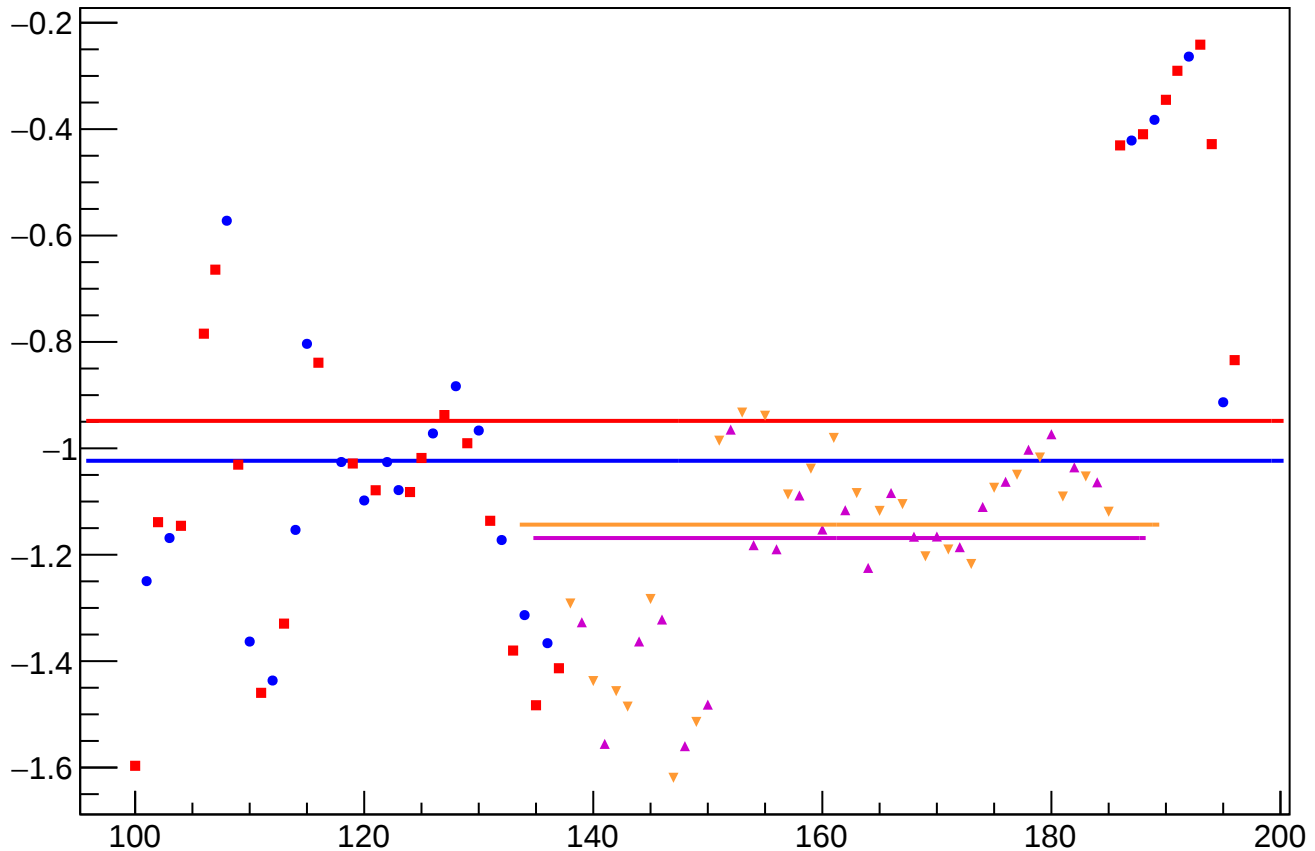
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:204531.5/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 478889.2/45

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 1010275.5/94

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 531157.5/48

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: -0.948 ± 0.000 $\chi^2/\text{NDF}: 15622988368.5/25$

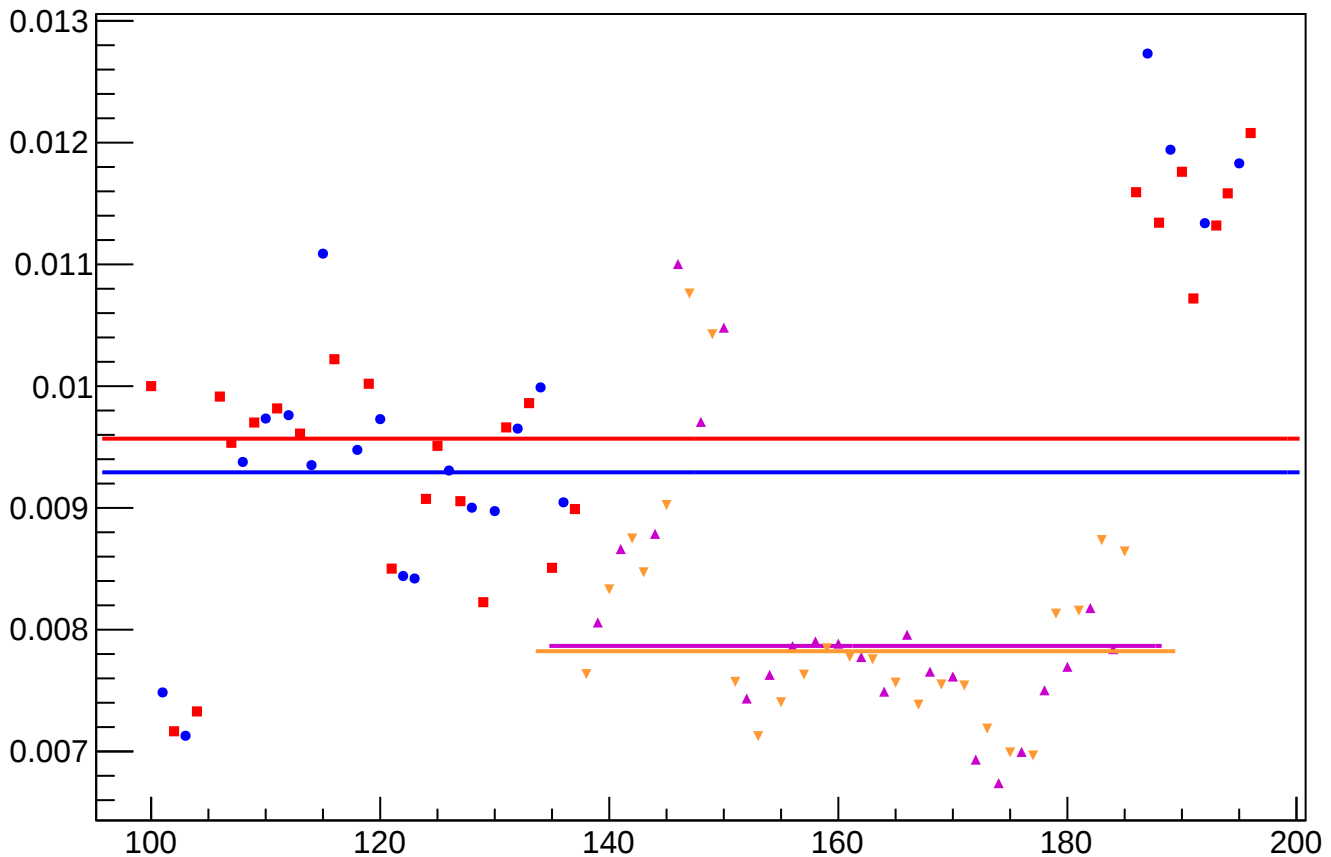
Left In: -1.169 ± 0.000 $\chi^2/\text{NDF}: 6362643368.6/22$

+ sign -1.112 ± 0.000 $\chi^2/\text{NDF}: 19169453152.6/45$

All: -1.107 ± 0.000 $\chi^2/\text{NDF}: 45059858028.3/100$

- sign -1.101 ± 0.000 $\chi^2/\text{NDF}: 25868467132.3/48$

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: 0.010+/-0.000 χ^2/NDF : 505754.4/25

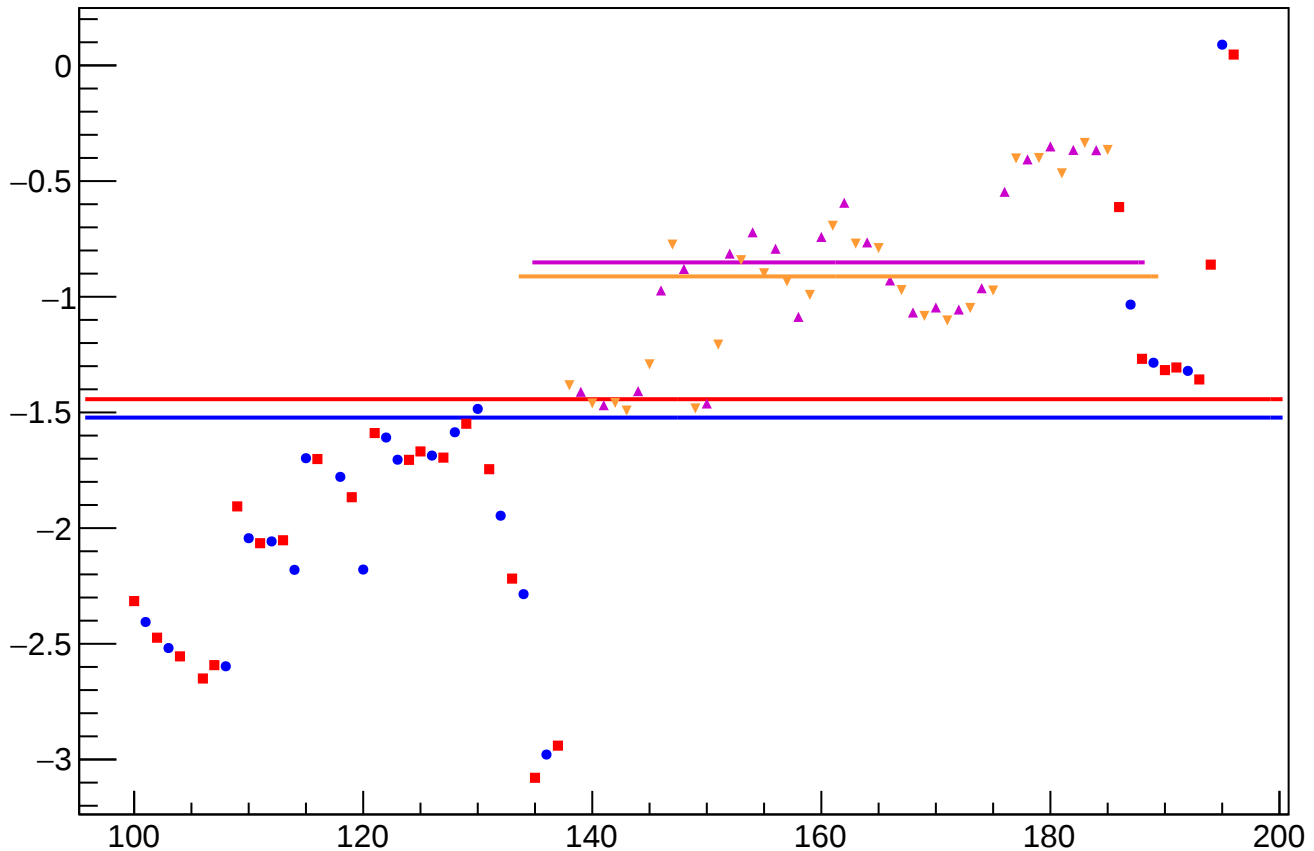
Left In: 0.008+/-0.000 χ^2/NDF : 379901.3/22

+ sign 0.008+/-0.000 χ^2/NDF : 1042199.3/45

All: 0.008+/-0.000 χ^2/NDF : 2404098.3/94

- sign 0.008+/-0.000 χ^2/NDF : 1349600.1/48

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: -1.443 ± 0.000 χ^2/NDF : 172044841478.6/25

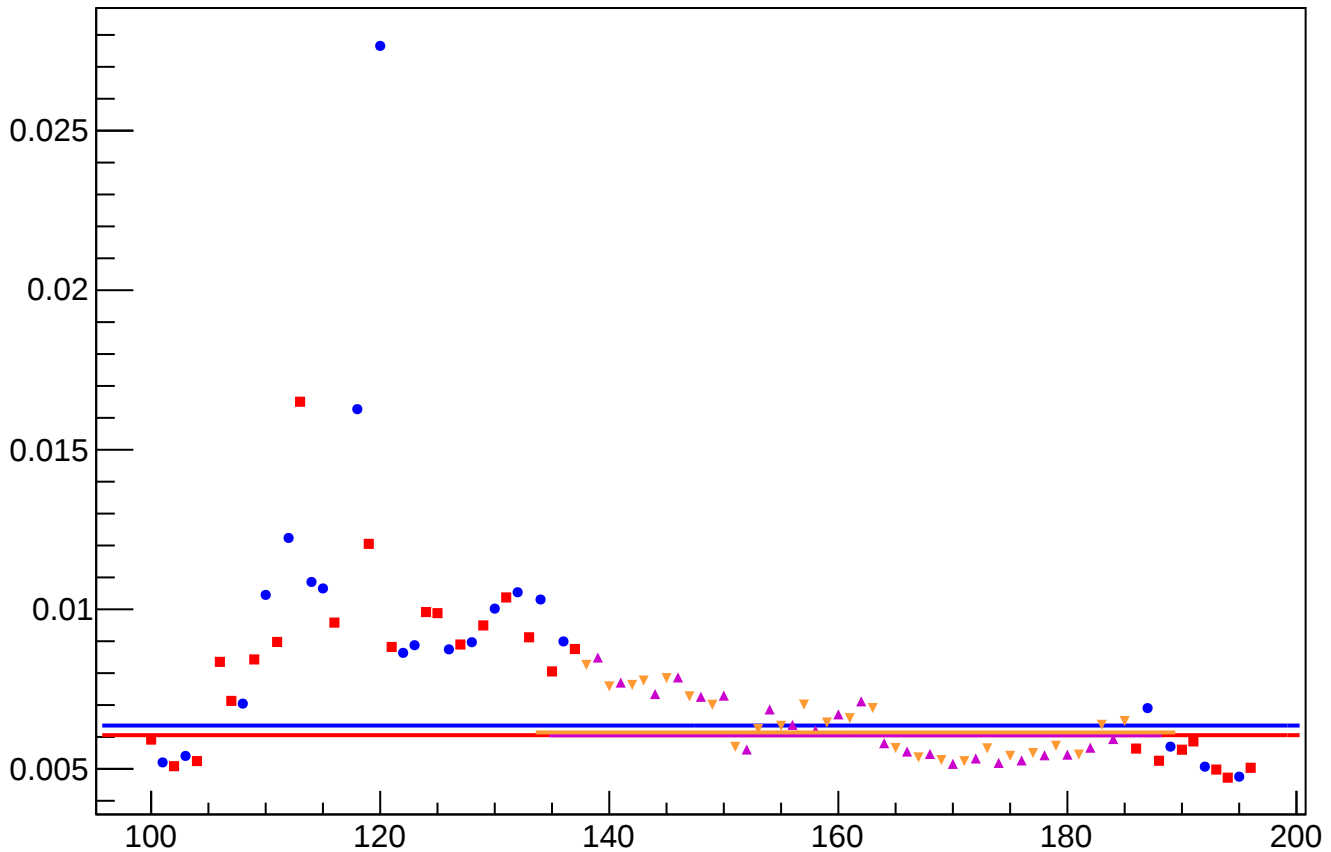
Left In: -0.851 ± 0.000 χ^2/NDF : 46438446008.2/22

+ sign -1.082 ± 0.000 χ^2/NDF : 252563880497.1/45

All: -1.074 ± 0.000 χ^2/NDF : 526745741796.4

- sign -1.068 ± 0.000 χ^2/NDF : 274117240663.7/48

yield_bpm0i05X_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 1763263.1/20

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:637765.4/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 1637972.4/25

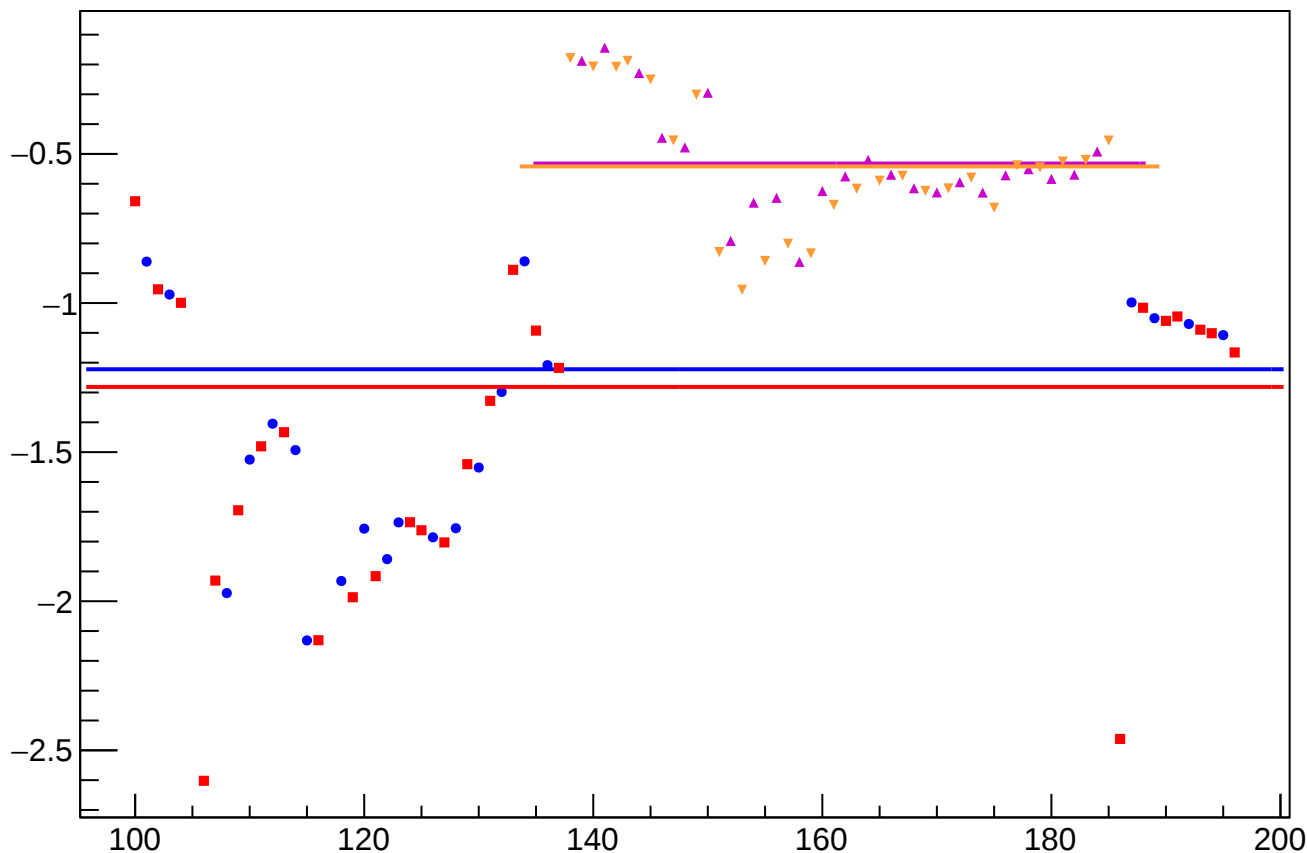
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:697577.8/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2412575.0/45

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 4762386.9/94

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 2335555.4/48

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: -1.281+/-0.000 χ^2 /NDF: 77558464119.0/25

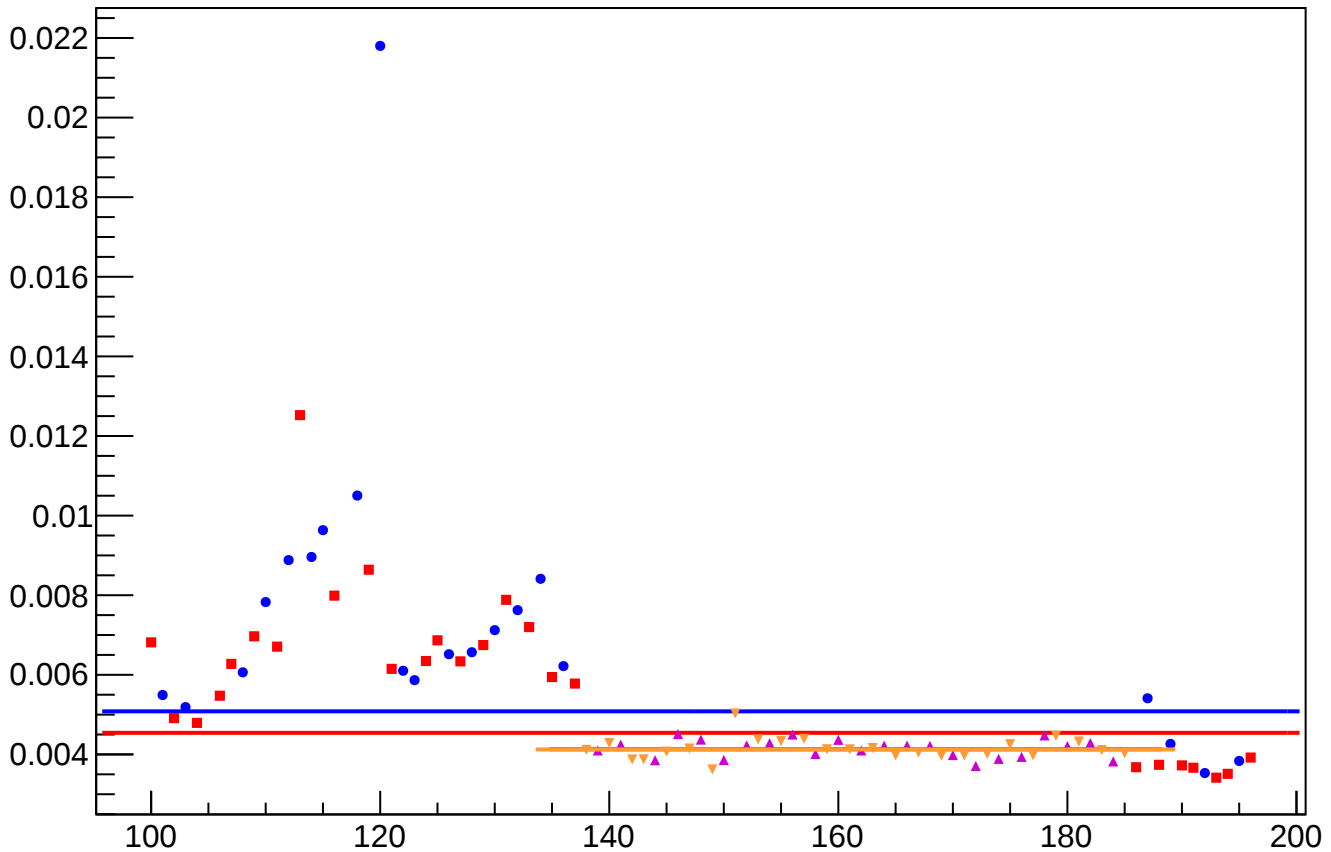
Left In: -0.532+/-0.000 χ^2 /NDF: 30715235426.8/22

+ sign -0.688+/-0.000 χ^2 /NDF: 172005010264.6/45

All: -0.731+/-0.000 χ^2 /NDF: 451506548719.2

- sign -0.770+/-0.000 χ^2 /NDF: 275085546890.9/48

yield_bpm0i05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 1569713.9/20

Left Out: 0.004+/-0.000 χ^2/NDF :113033.9/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1737544.0/25

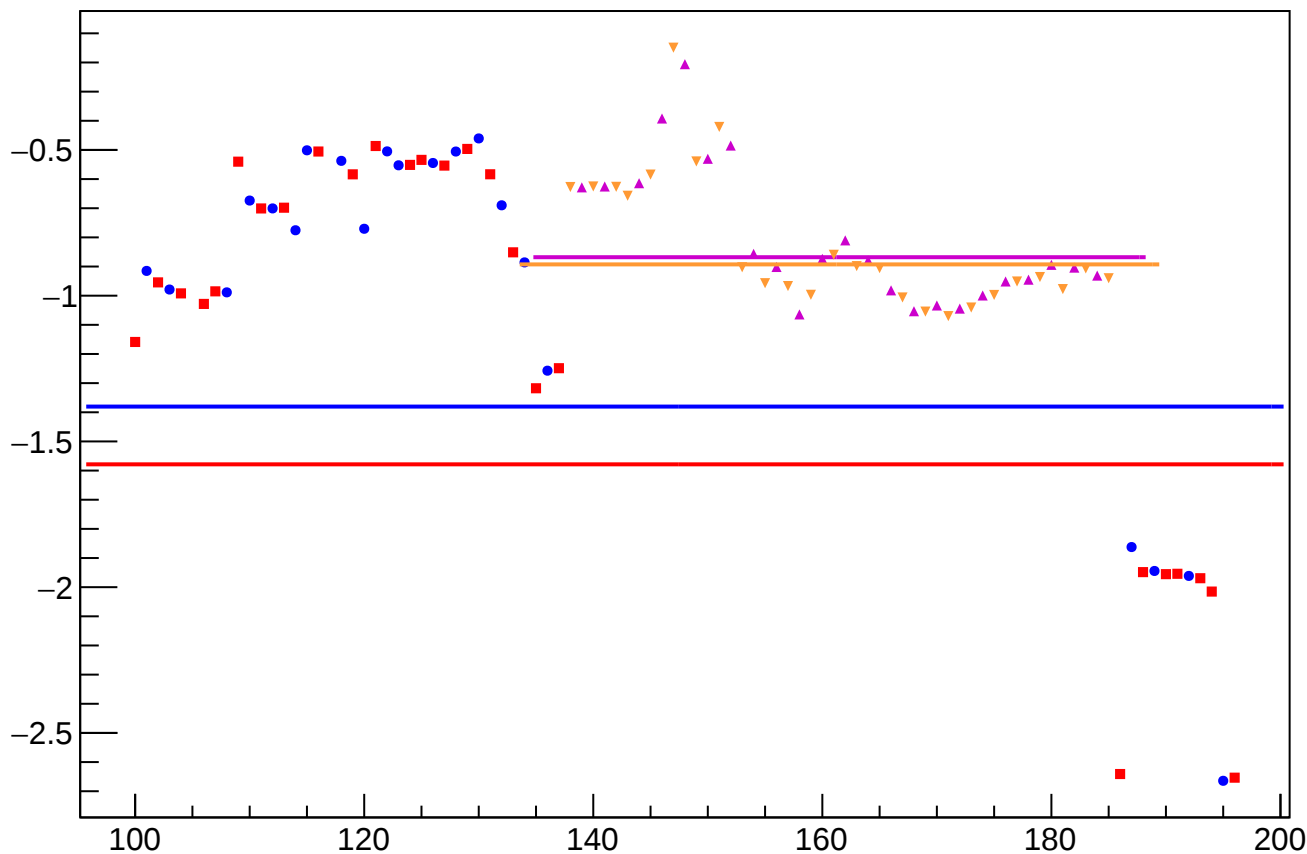
Left In: 0.004+/-0.000 χ^2/NDF :93111.2/22

+ sign 0.004+/-0.000 χ^2/NDF : 2073640.4/45

All: 0.004+/-0.000 χ^2/NDF : 4012333.2/94

- sign 0.004+/-0.000 χ^2/NDF : 1932402.9/48

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: -1.579+/-0.000 χ^2 /NDF: 246968573872.9/25

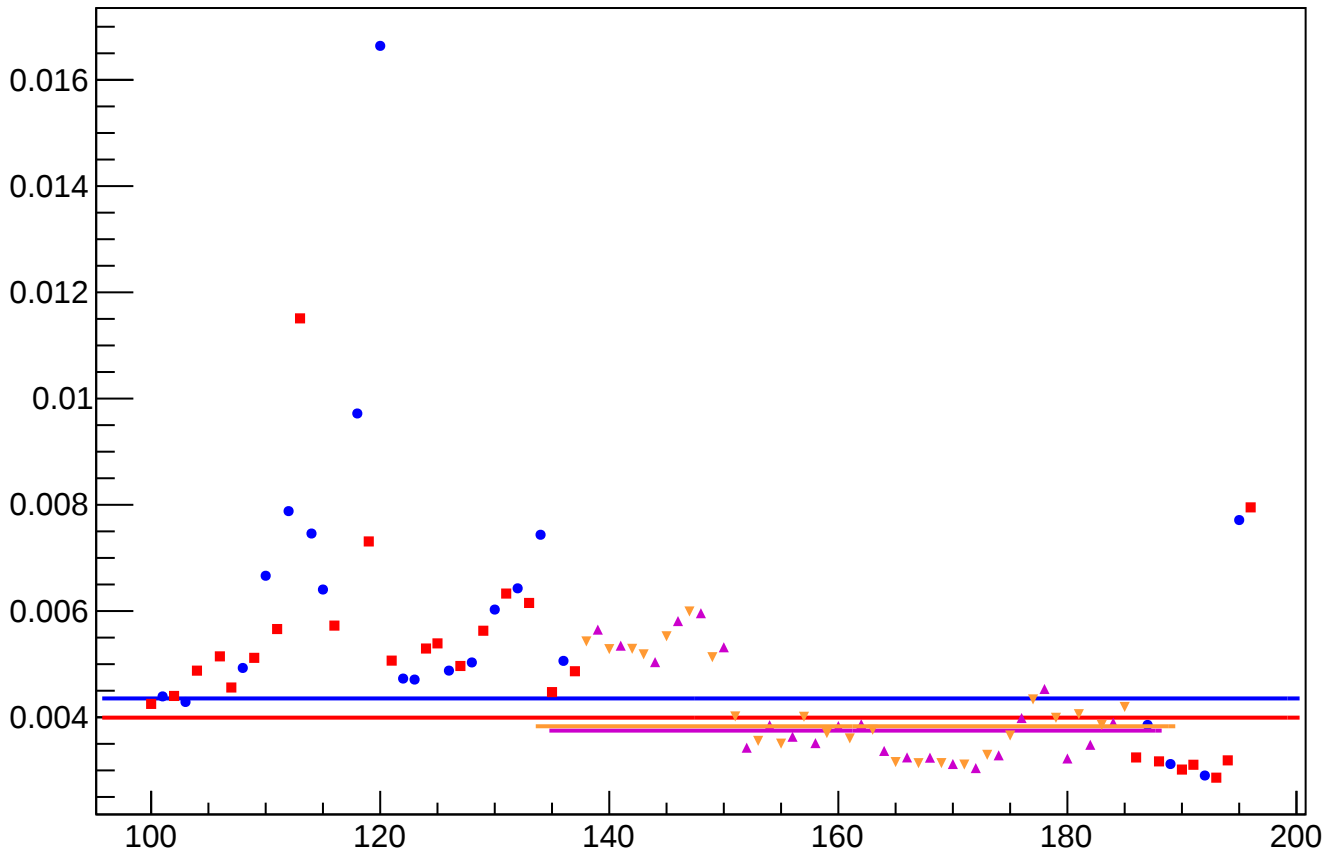
Left In: -0.868+/-0.000 χ^2 /NDF: 43853190177.2/22

+ sign -1.014+/-0.000 χ^2 /NDF: 259667390443.4/45

All: -1.065+/-0.000 χ^2 /NDF: 749314794984.4

- sign -1.110+/-0.000 χ^2 /NDF: 482370446368.0/48

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: 1941979.9/25

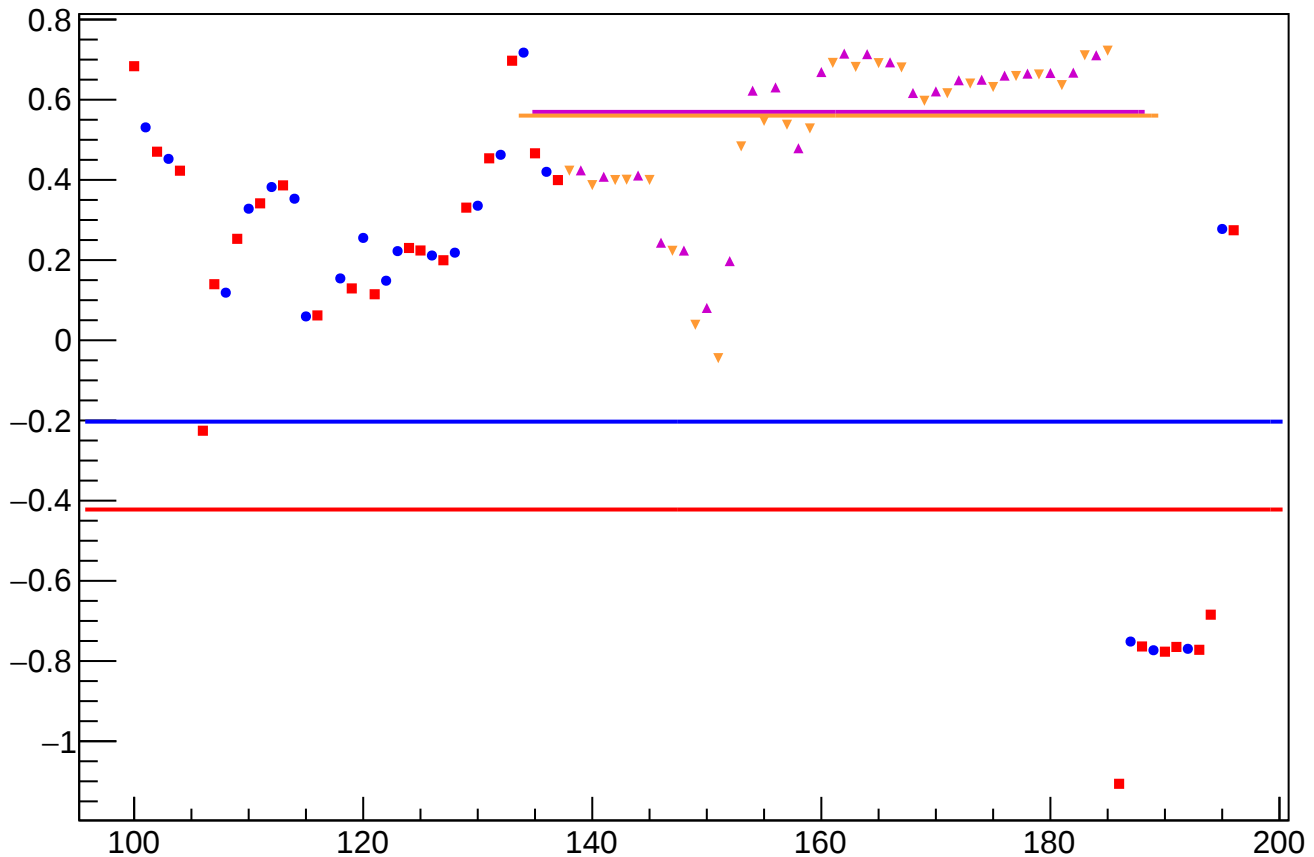
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1288490.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 3195041.1/45

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 6497168.2/94

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 3275721.3/48

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

+ sign 0.315 $\pm$ 0.000 χ^2 /NDF: 592716906908.7/45

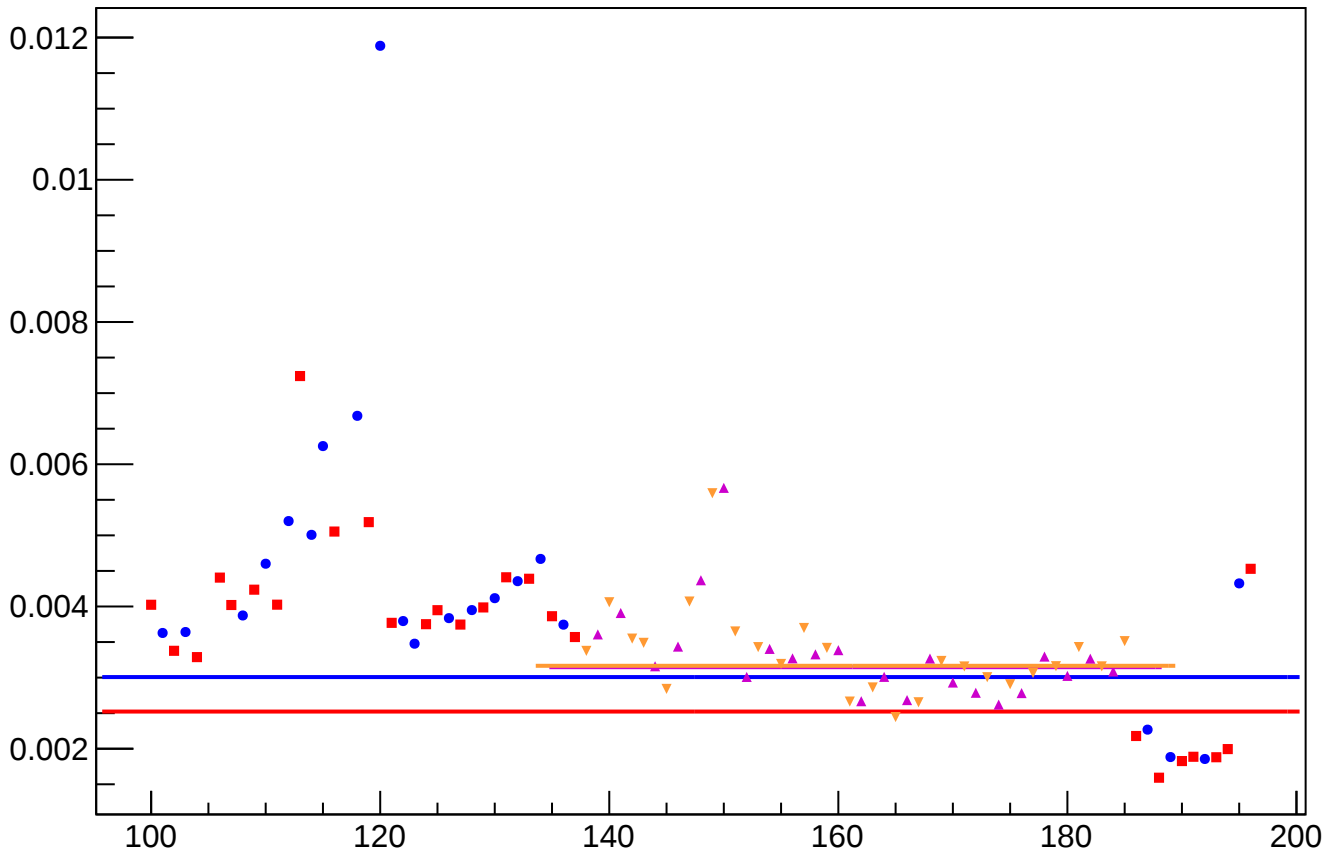
Right Out: -0.422 $\pm$ 0.000 χ^2 /NDF: 377906854762.5/25

All: 0.204 $\pm$ 0.000 χ^2 /NDF: 1773594534995.

Left In: 0.570 $\pm$ 0.000 χ^2 /NDF: 42104067973.0/22

- sign 0.112 $\pm$ 0.000 χ^2 /NDF: 1126983878706.9/48

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 2312864.0/20

Left Out: 0.003+/-0.000 χ^2/NDF : 744886.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 3095924.7/25

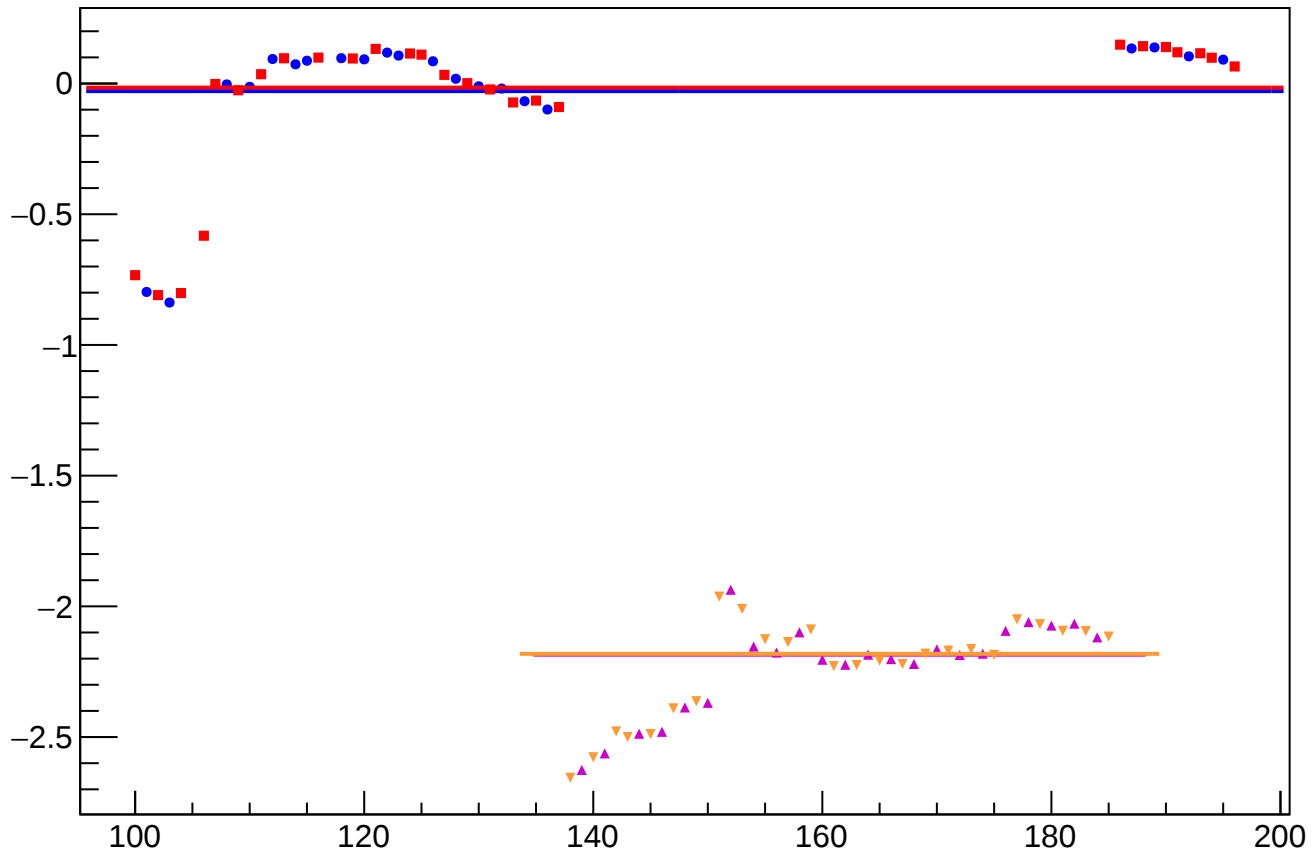
Left In: 0.003+/-0.000 χ^2/NDF : 716402.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 3083886.2/45

All: 0.003+/-0.000 χ^2/NDF : 7627597.8/94

- sign 0.003+/-0.000 χ^2/NDF : 4371648.2/48

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: -0.016+/-0.000 χ^2 /NDF: 6782255969.5/25

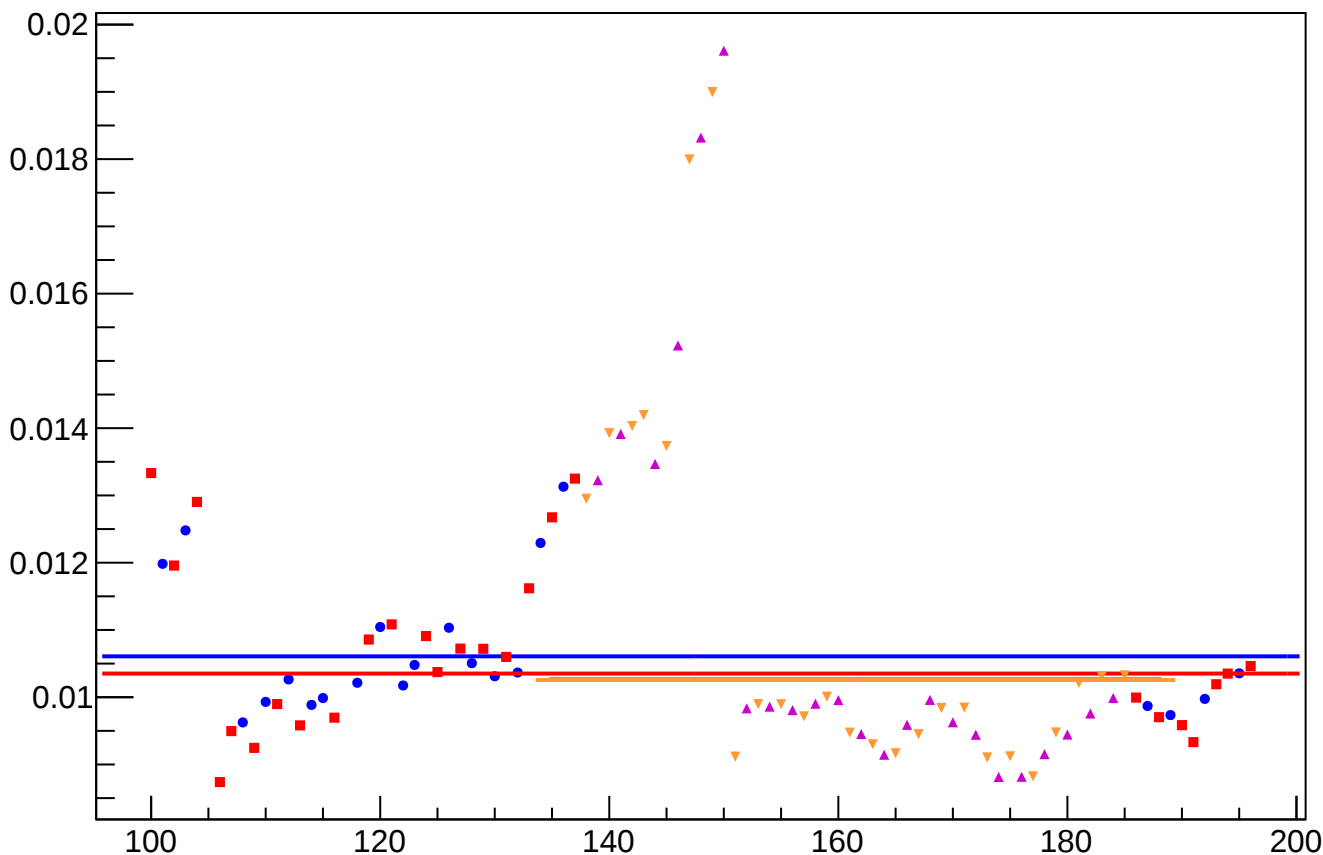
Left In: -2.185+/-0.000 χ^2 /NDF: 3372742534.3/22

+ sign -1.489+/-0.000 χ^2 /NDF: 259892945743.4/45

All: -1.402+/-0.000 χ^2 /NDF: 569127983505.1

- sign -1.319+/-0.000 χ^2 /NDF: 305586393974.7/48

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 : 204693.1/25

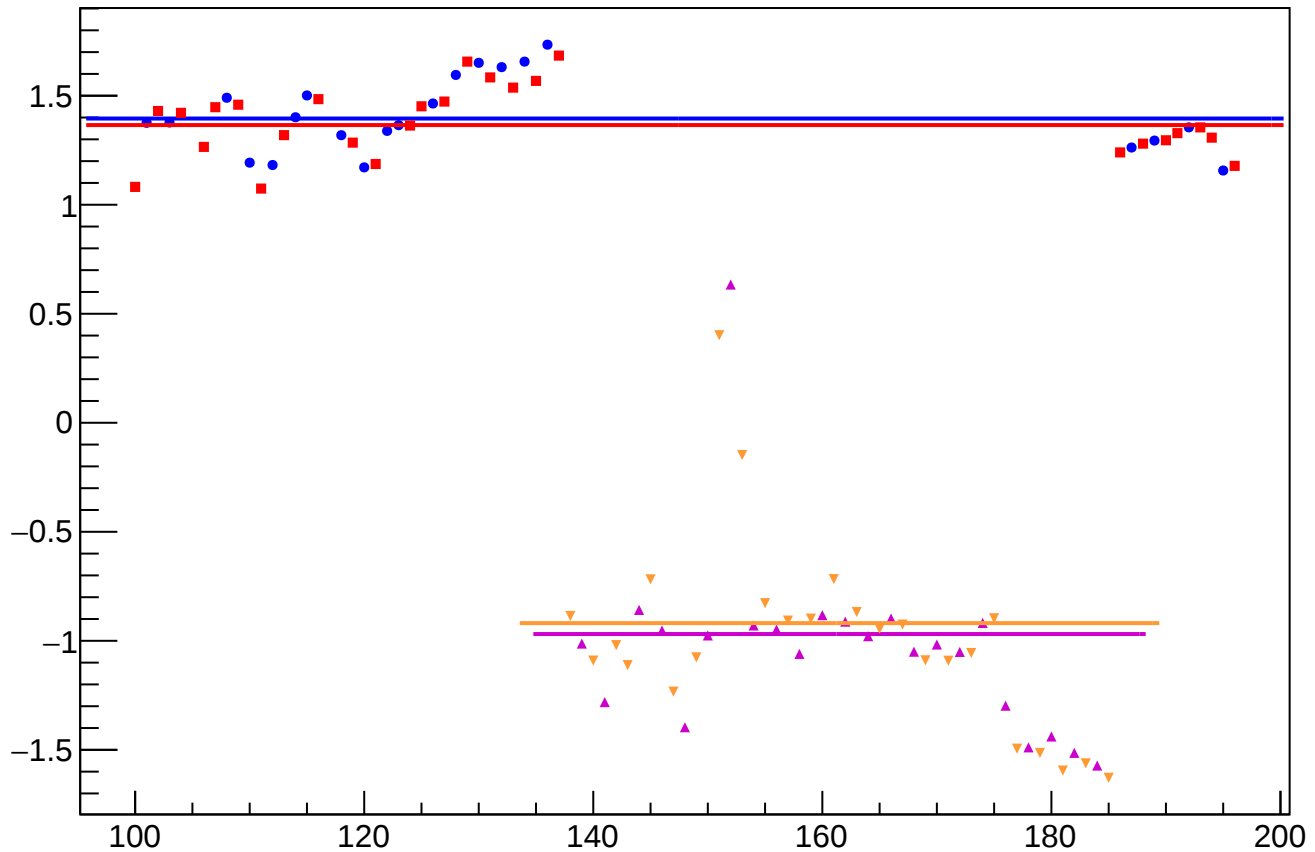
Left In: 0.010+/-0.000 χ^2/NDF :1340264.2/22

+ sign 0.010+/-0.000 χ^2/NDF : 1432106.1/45

All: 0.010+/-0.000 χ^2/NDF : 2979269.9/94

- sign 0.010+/-0.000 χ^2/NDF : 1545914.3/48

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: 1.365+/-0.000 χ^2/NDF : 3819804039.1/25

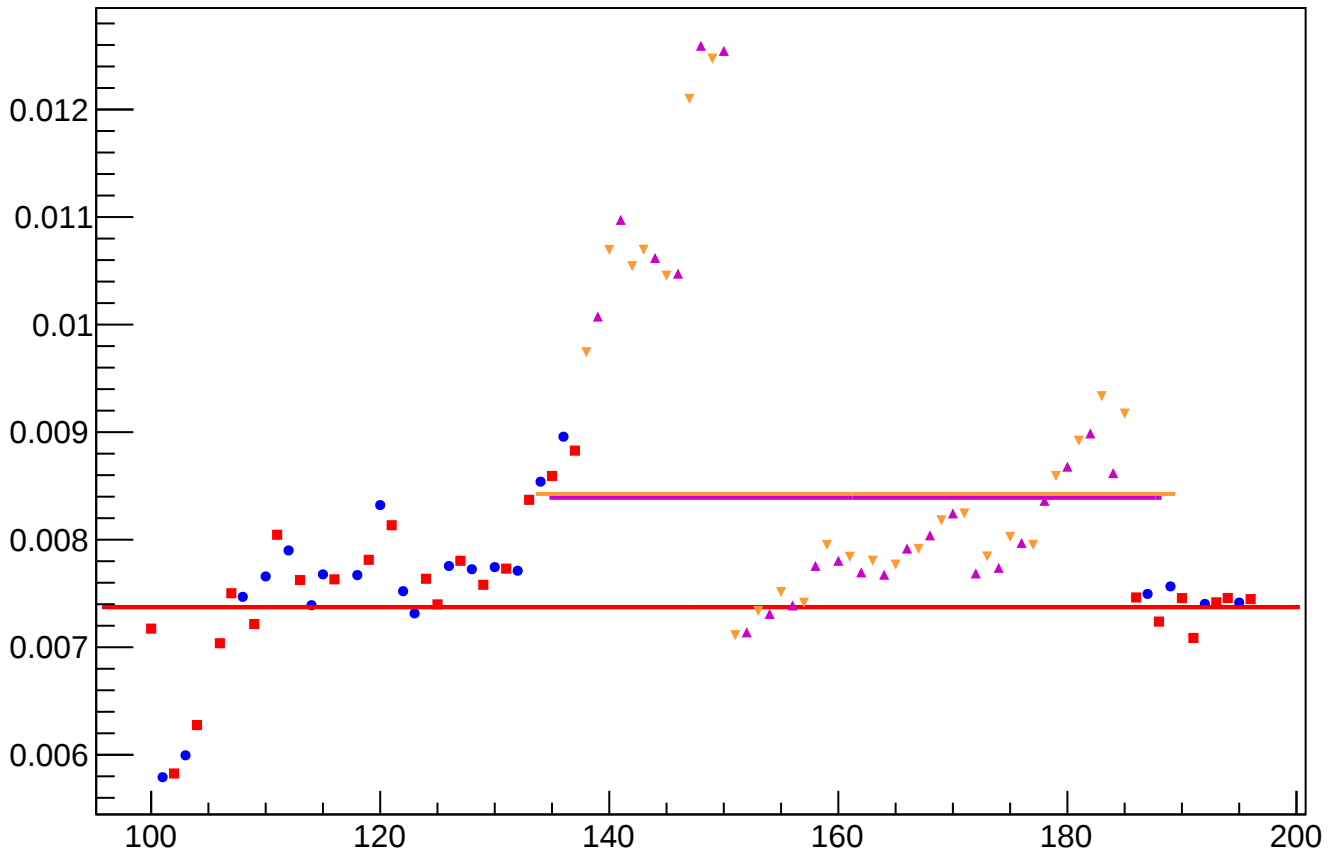
Left In: -0.969+/-0.000 χ^2/NDF : 54895002535.8/22

+ sign -0.008+/-0.000 χ^2/NDF : 592024901595.2/45

All: 0.054+/-0.000 χ^2/NDF : 1257273220081.1

- sign 0.111+/-0.000 χ^2/NDF : 662237777463.6/48

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 229589.7/20

Left Out: 0.008+/-0.000 χ^2/NDF : 792337.0/24

Right Out: 0.007+/-0.000 χ^2/NDF : 174503.7/25

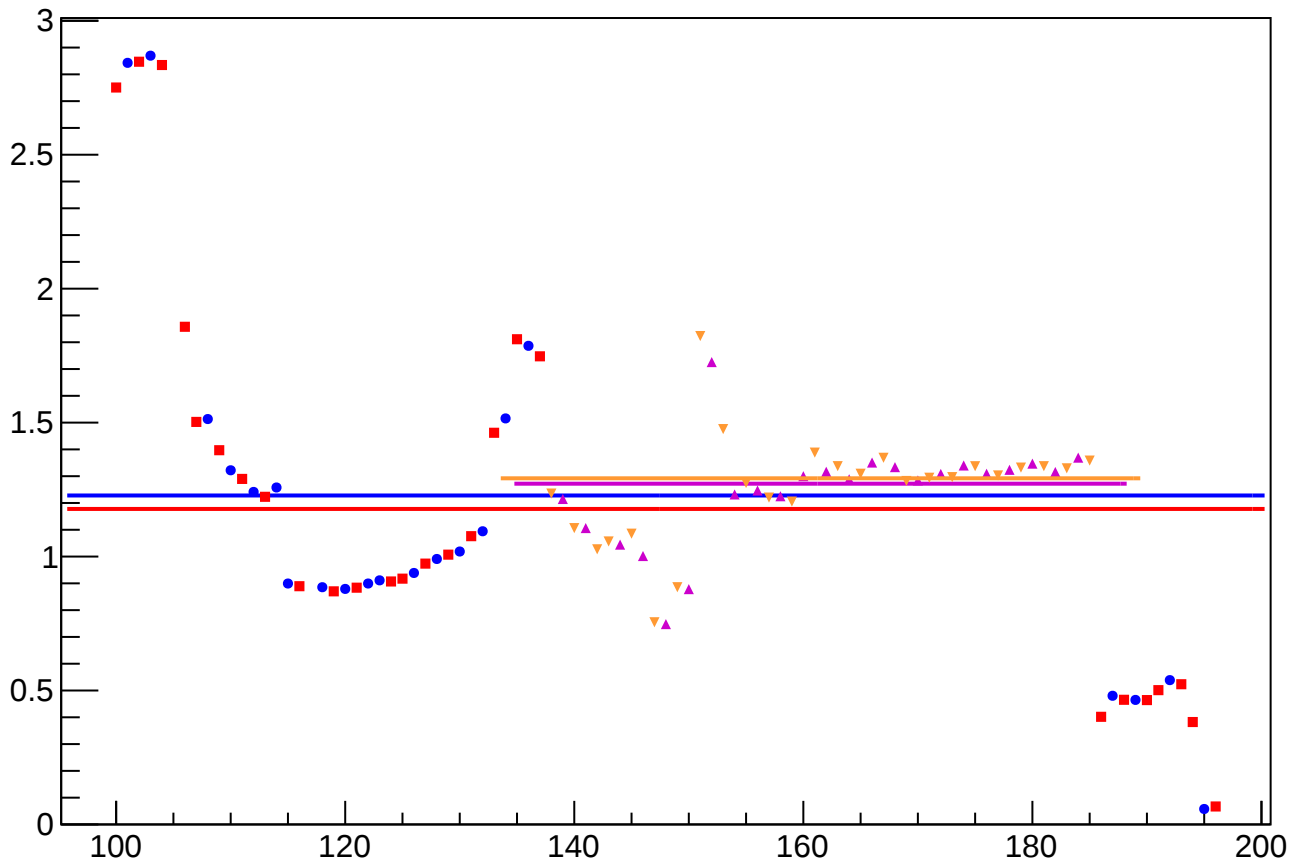
Left In: 0.008+/-0.000 χ^2/NDF : 839880.4/22

+ sign 0.008+/-0.000 χ^2/NDF : 1241694.7/45

All: 0.008+/-0.000 χ^2/NDF : 2488879.6/94

- sign 0.008+/-0.000 χ^2/NDF : 1243528.5/48

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: 1.178 $\pm$ 0.000 χ^2 /NDF: 83627932162.5/25

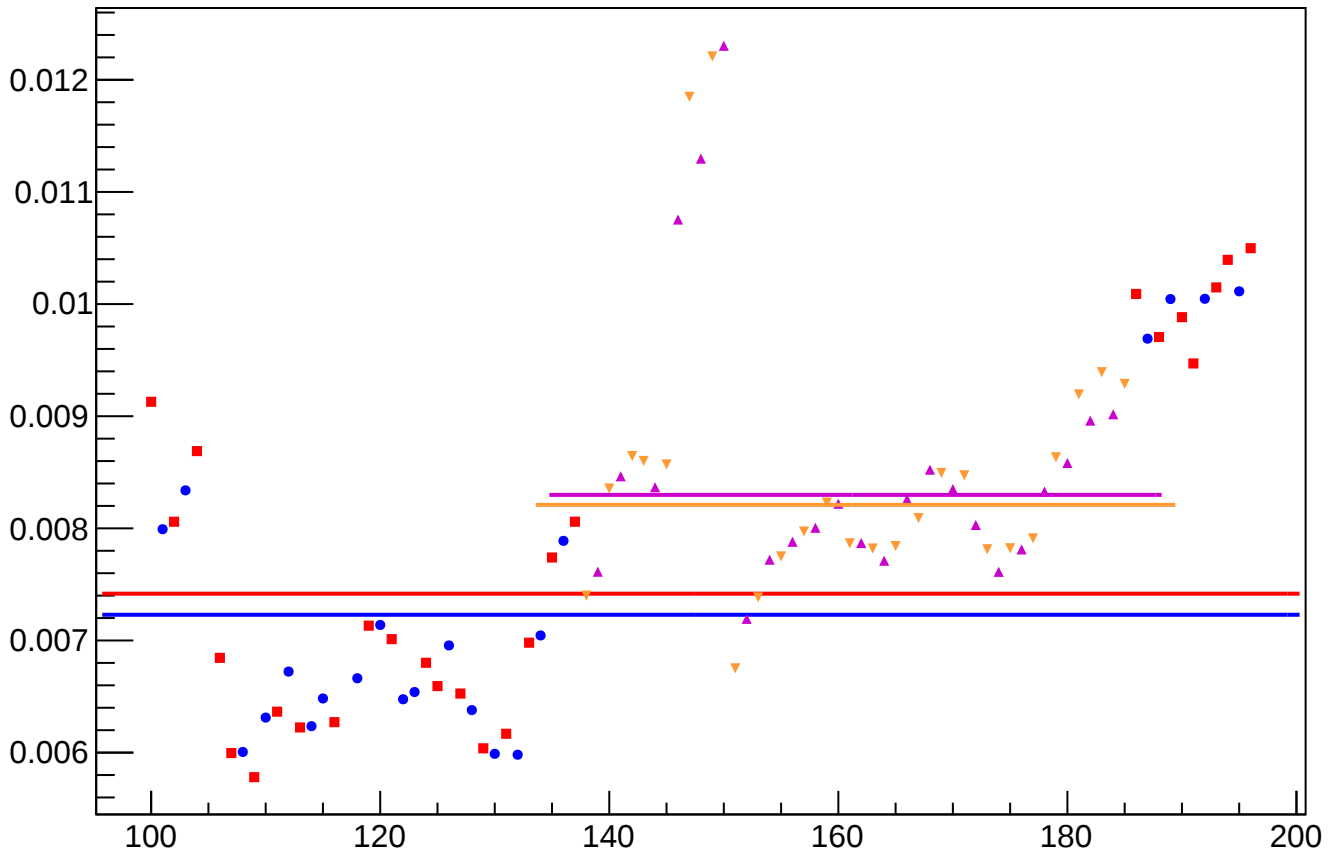
Left In: 1.272 $\pm$ 0.000 χ^2 /NDF: 7573930981.2/22

+ sign 1.267 $\pm$ 0.000 χ^2 /NDF: 85859974996.6/45

All: 1.248 $\pm$ 0.000 χ^2 /NDF: 178330612866.7

- sign 1.230 $\pm$ 0.000 χ^2 /NDF: 92168290488.8/48

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: 944067.9/25

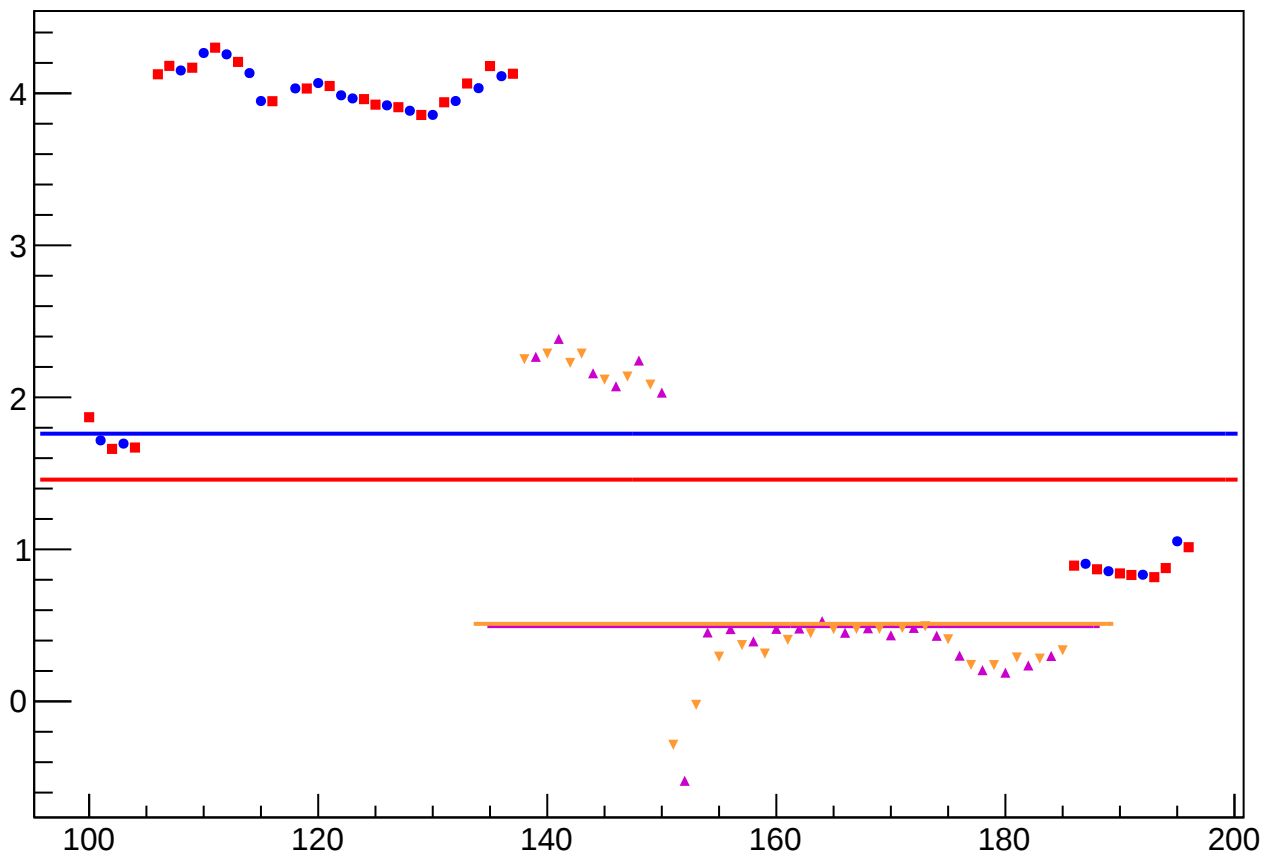
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 462022.1/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1267444.5/45

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2844931.5/94

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1574949.0/48

yield_bpm1i04Y_mean vs Slug



Right In: 1.761+/-0.000 χ^2/NDF : 1251451421090.9/20

Left Out: 0.510+/-0.000 χ^2/NDF : 274818814912.4/24

Right Out: 1.459+/-0.000 χ^2/NDF : 1593597428286.3/25

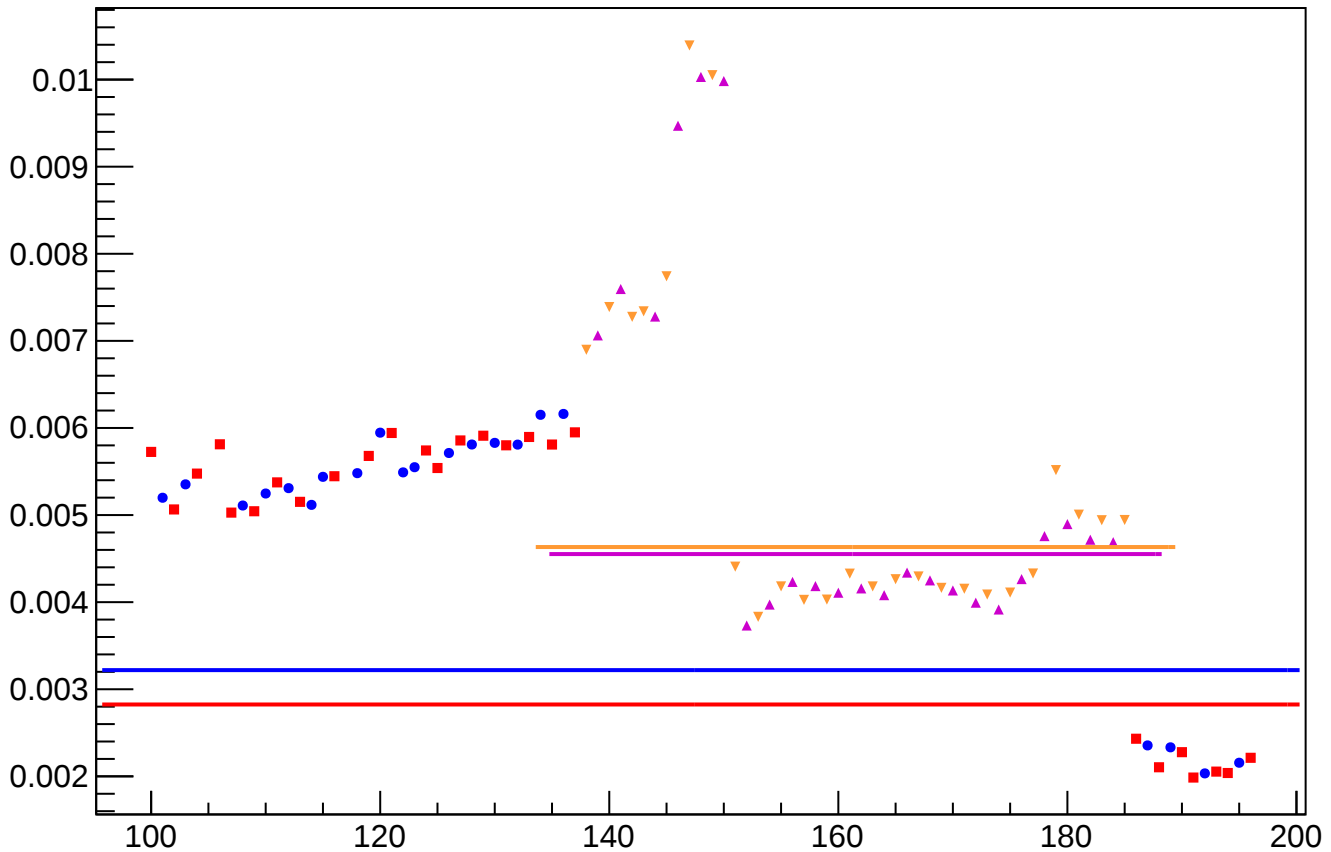
Left In: 0.495+/-0.000 χ^2/NDF : 268863202792.4/22

+ sign 1.096+/-0.000 χ^2/NDF : 2095436458756.9/45

All: 1.079+/-0.000 χ^2/NDF : 4375769239978.

- sign 1.066+/-0.000 χ^2/NDF : 2279615228601.7/48

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 : 4224962.4/25

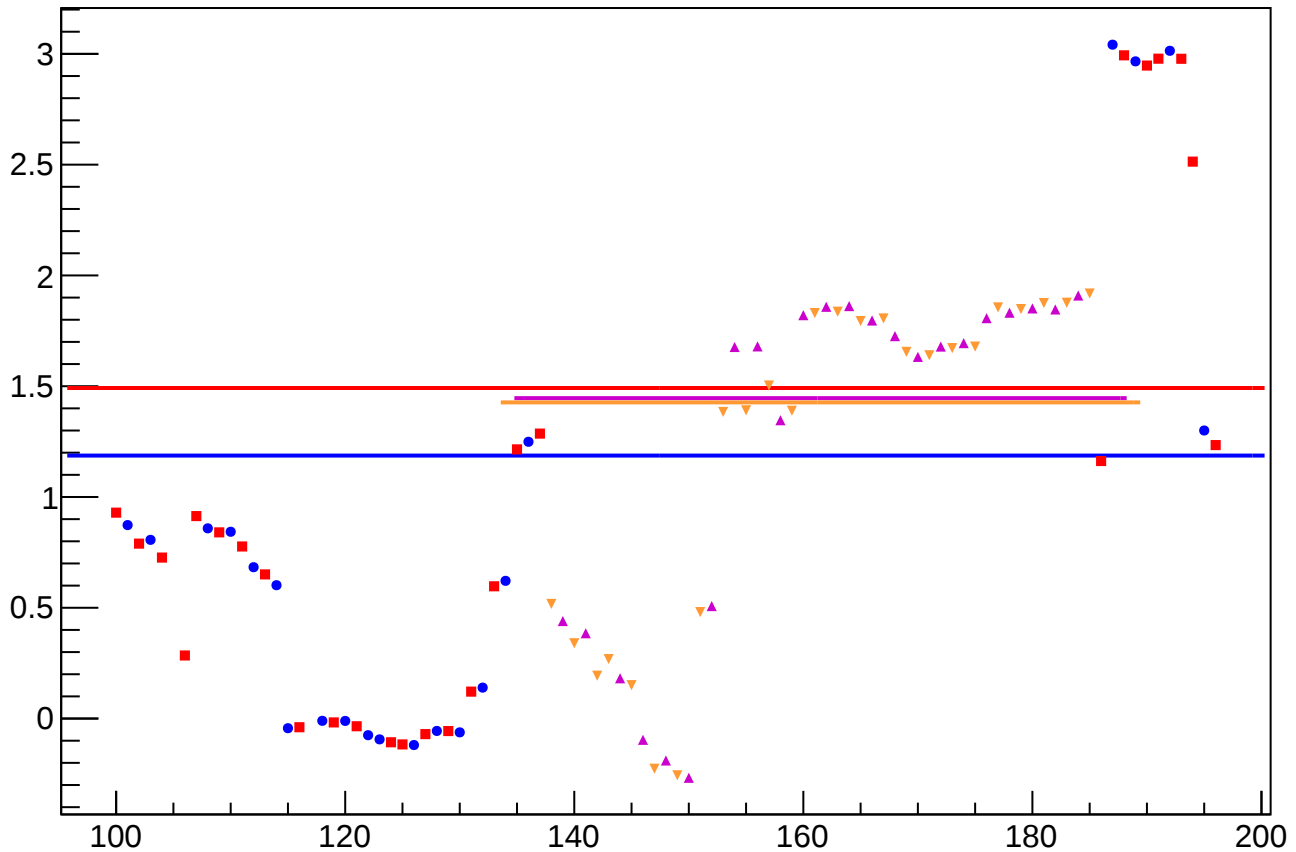
Left In: 0.005+/-0.000 χ^2/NDF : 2237666.9/22

+ sign 0.004+/-0.000 χ^2/NDF : 7079080.7/45

All: 0.004+/-0.000 χ^2/NDF : 16541830.5/94

- sign 0.004+/-0.000 χ^2/NDF : 9142191.4/48

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: 1.492 $\pm$ 0.000 χ^2 /NDF: 97676577005.3/25

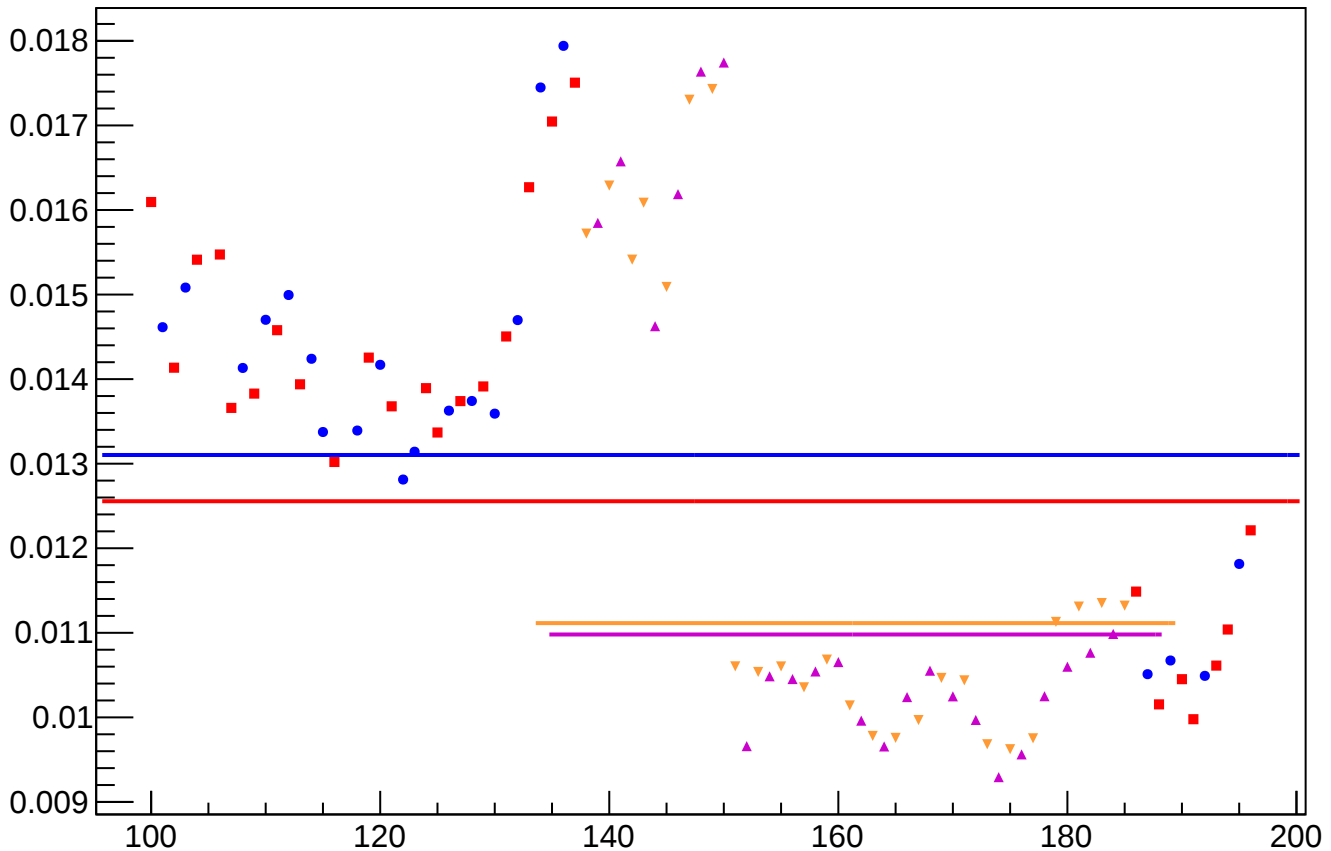
Left In: 1.446 $\pm$ 0.000 χ^2 /NDF: 53752493130.3/22

+ sign 1.363 $\pm$ 0.000 χ^2 /NDF: 124748111476.4/45

All: 1.414 $\pm$ 0.000 χ^2 /NDF: 277231316122.9

- sign 1.461 $\pm$ 0.000 χ^2 /NDF: 151525504653.2/48

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 : 548126.7/25

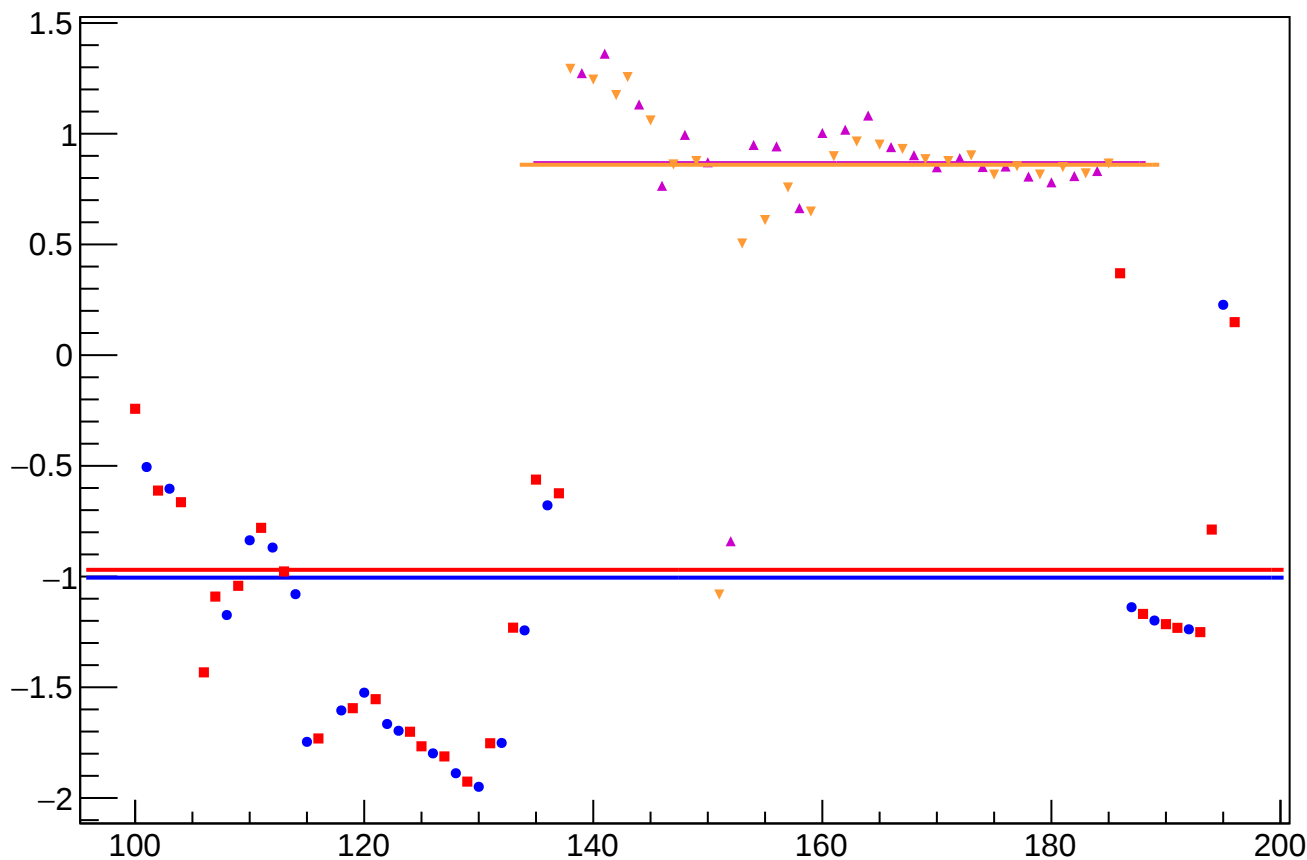
Left In: 0.011+/-0.000 χ^2/NDF :1264827.0/22

+ sign 0.012+/-0.000 χ^2/NDF : 1945679.1/45

All: 0.012+/-0.000 χ^2/NDF : 3990153.7/94

- sign 0.012+/-0.000 χ^2/NDF : 2040896.3/48

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: -0.970+/-0.000 χ^2/NDF : 87561342835.3/25

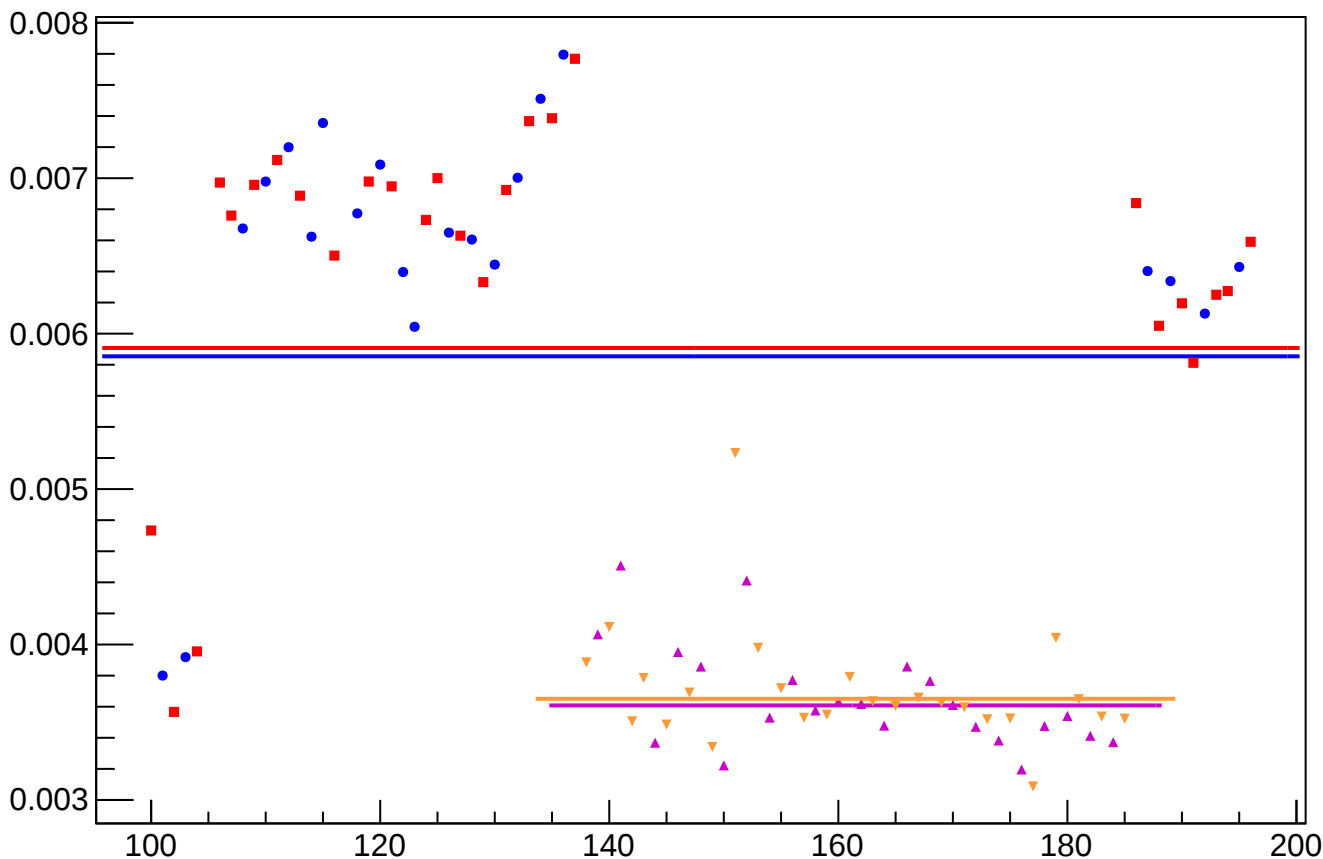
Left In: 0.867+/-0.000 χ^2/NDF :147039402944.6/22

+ sign 0.562+/-0.000 χ^2/NDF : 910347243196.3/45

All: 0.536+/-0.000 χ^2/NDF : 1940400090361.

- sign 0.509+/-0.000 χ^2/NDF : 1027977696513.6/48

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: 977703.9/25

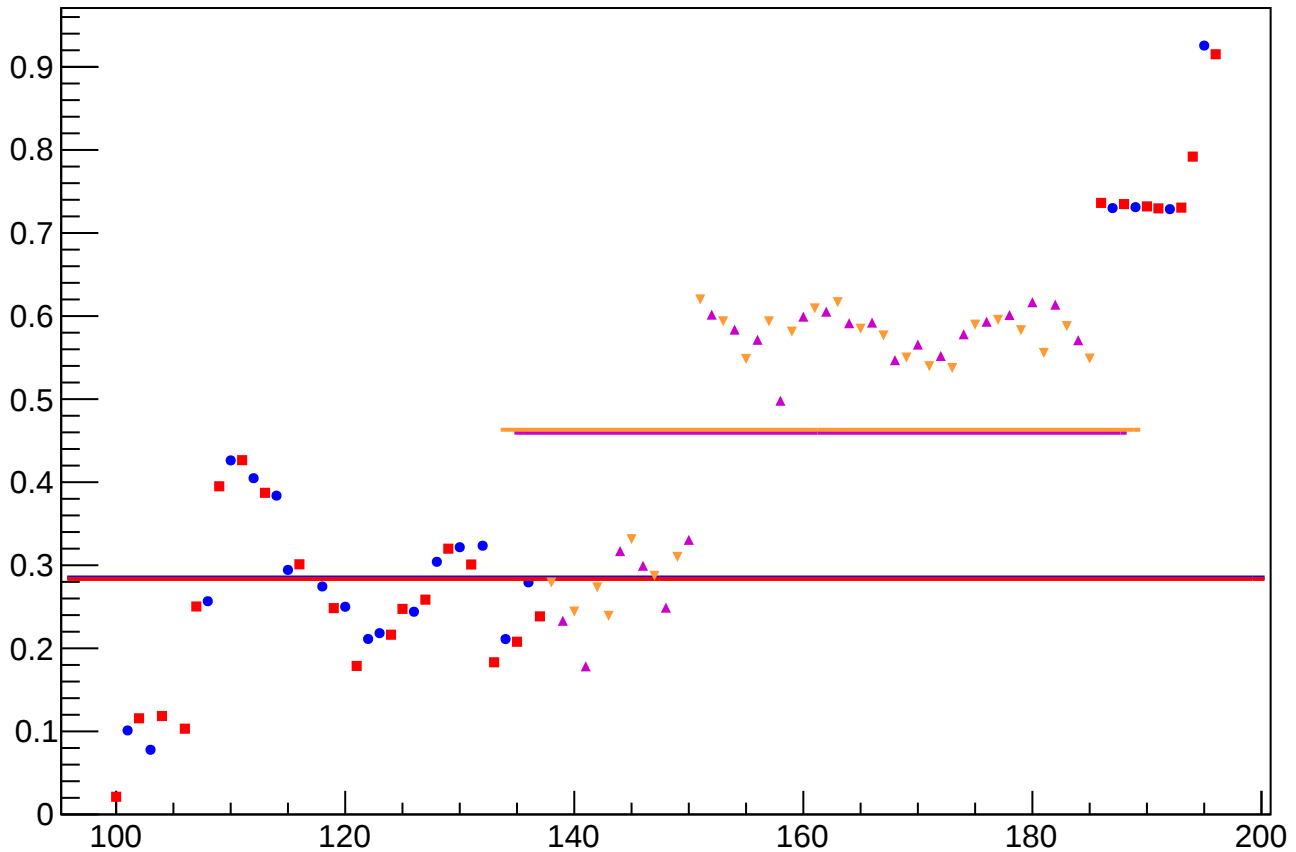
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:227861.4/22

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 3049598.5/45

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 6747210.1/94

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 3693333.1/48

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: 0.284 $\pm$ 0.000 χ^2 /NDF: 94484418041.2/25

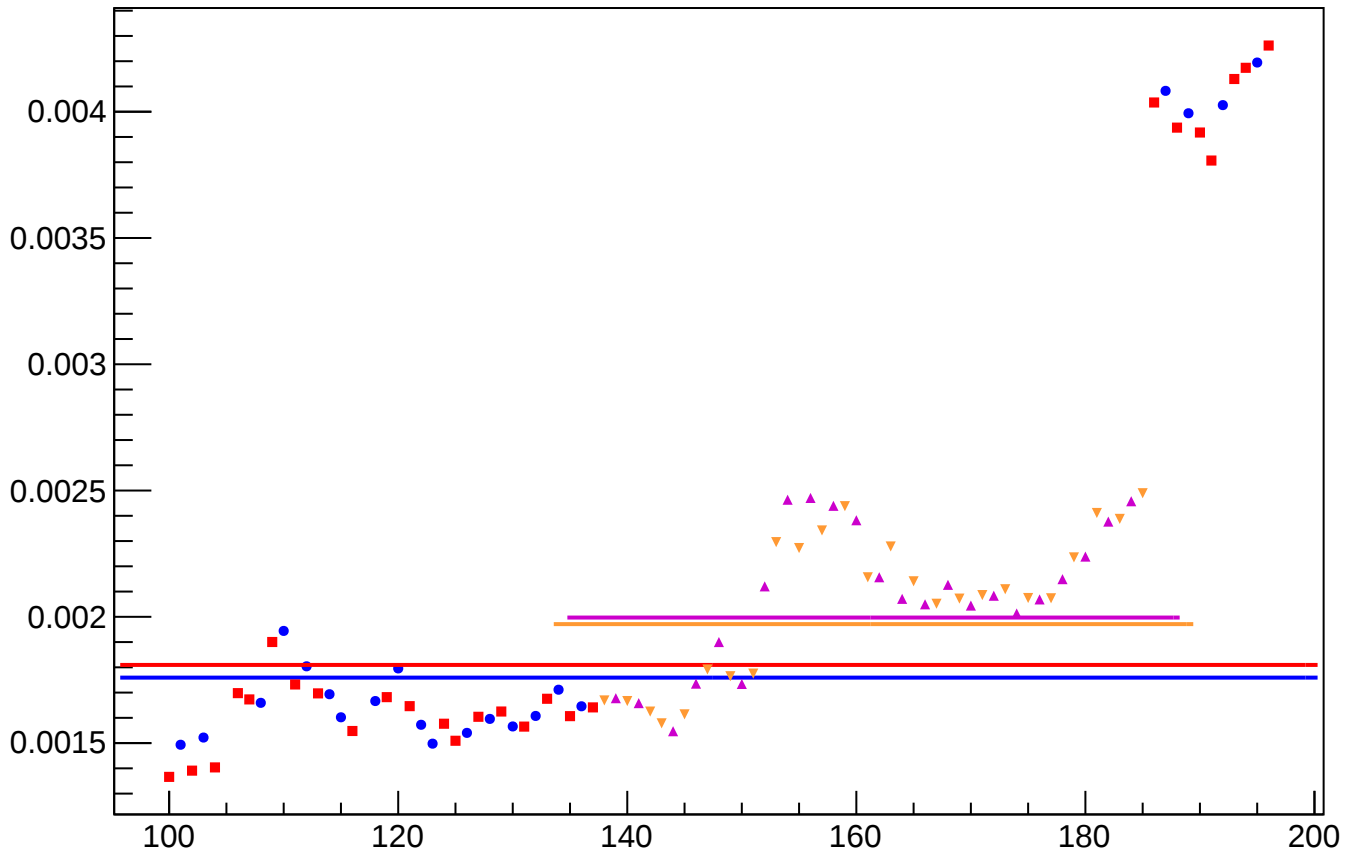
Left In: 0.460 $\pm$ 0.000 χ^2 /NDF:104559088628.4/22

+ sign 0.399 $\pm$ 0.000 χ^2 /NDF: 216346929799.8/45

All: 0.393 $\pm$ 0.000 χ^2 /NDF: 469885139526.6

- sign 0.387 $\pm$ 0.000 χ^2 /NDF: 252972690162.7/48

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 1672493.7/20

Left Out: 0.002+/-0.000 χ^2/NDF : 730203.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 2938292.0/25

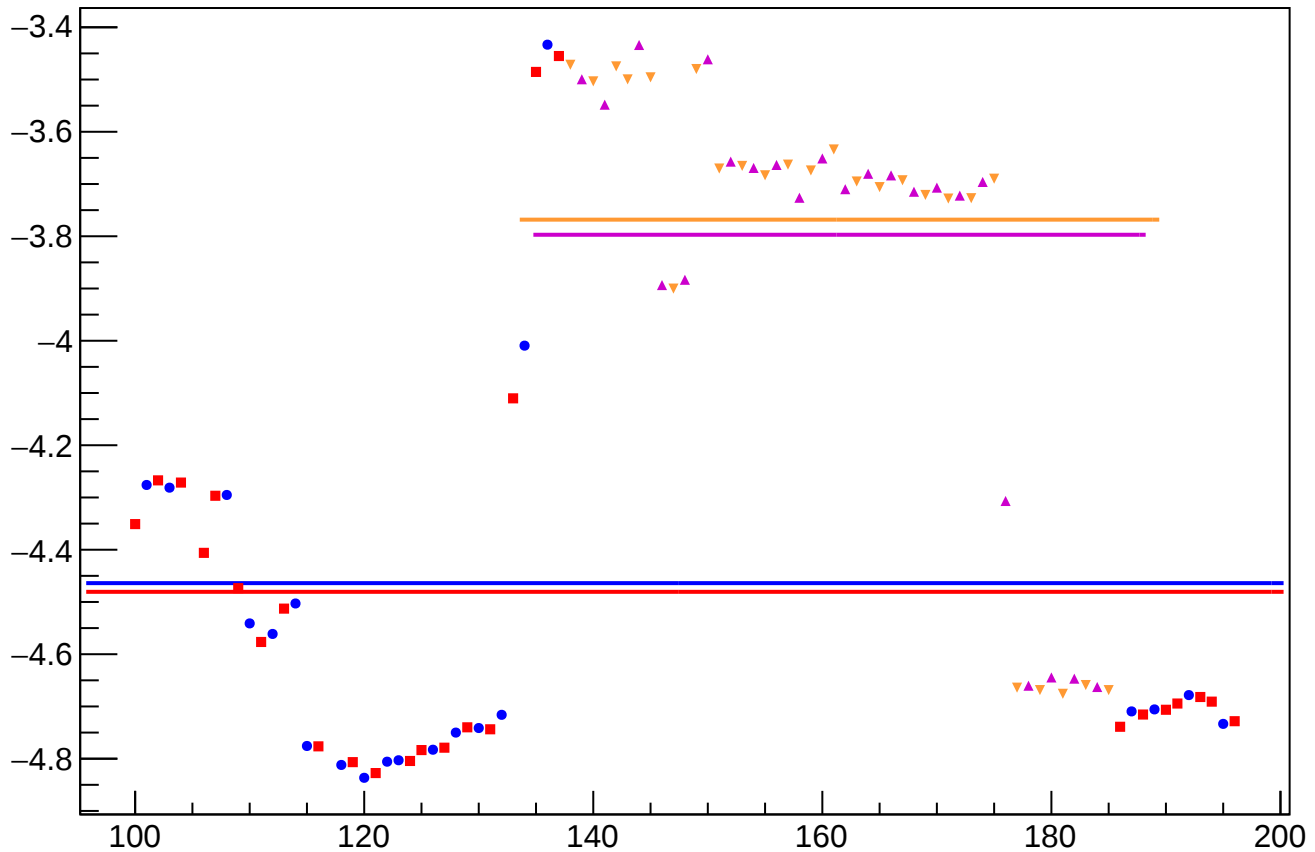
Left In: 0.002+/-0.000 χ^2/NDF : 666404.2/22

+ sign 0.002+/-0.000 χ^2/NDF : 2550901.8/45

All: 0.002+/-0.000 χ^2/NDF : 6282377.6/94

- sign 0.002+/-0.000 χ^2/NDF : 3727190.1/48

yield_bpm2i01Y_mean vs Slug



Right In: -4.464+/-0.000 χ^2/NDF : 407455802808.3/20

Left Out: -3.768+/-0.000 χ^2/NDF : 516780173940.8/24

Right Out: -4.481+/-0.000 χ^2/NDF : 350863303299.2/25

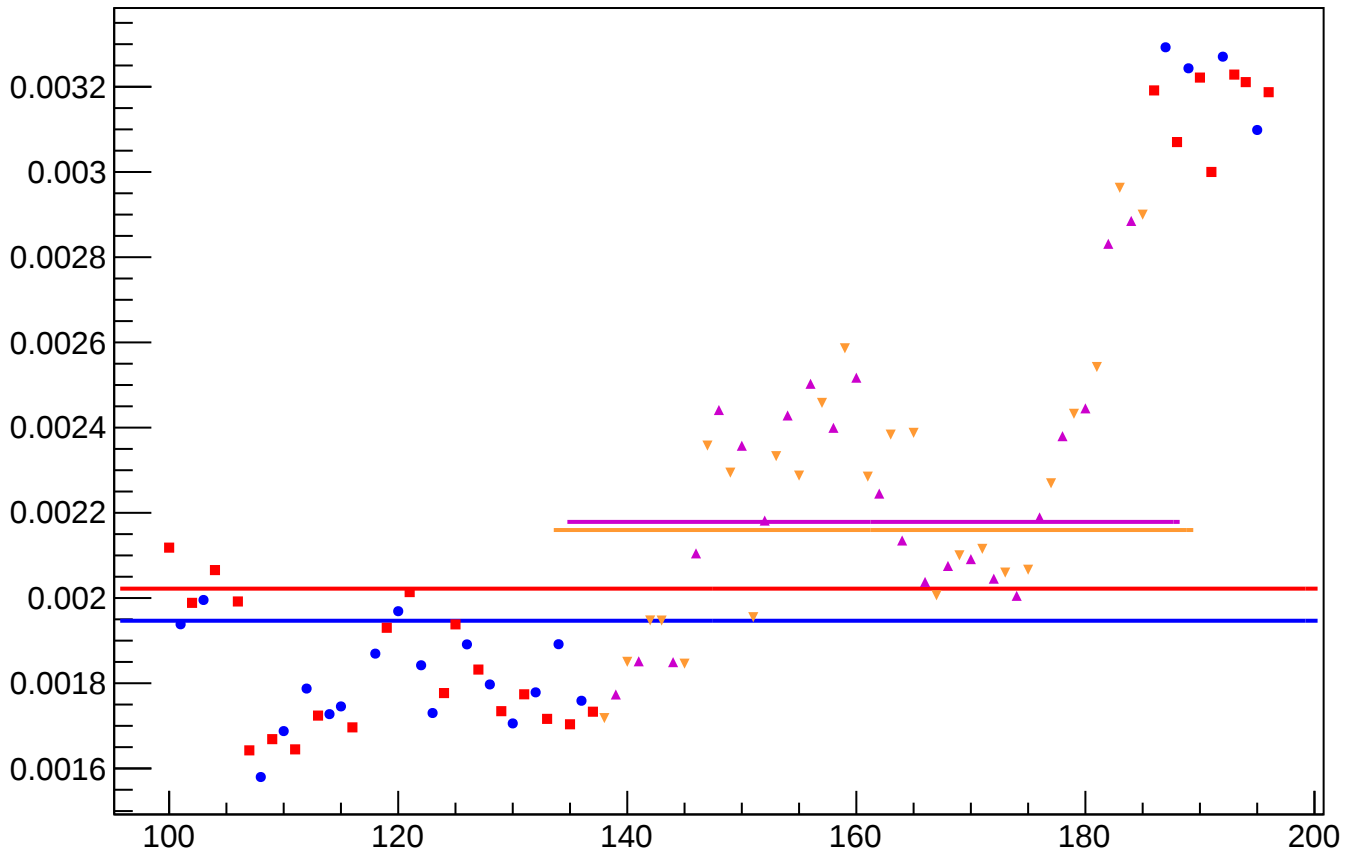
Left In: -3.797+/-0.000 χ^2/NDF : 444886272608.9/22

+ sign -4.024+/-0.000 χ^2/NDF : 1603282716185.9/4

All: -4.053+/-0.000 χ^2/NDF : 3100784055254

- sign -4.082+/-0.000 χ^2/NDF : 1487310949248.9/4

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 : 1387763.9/25

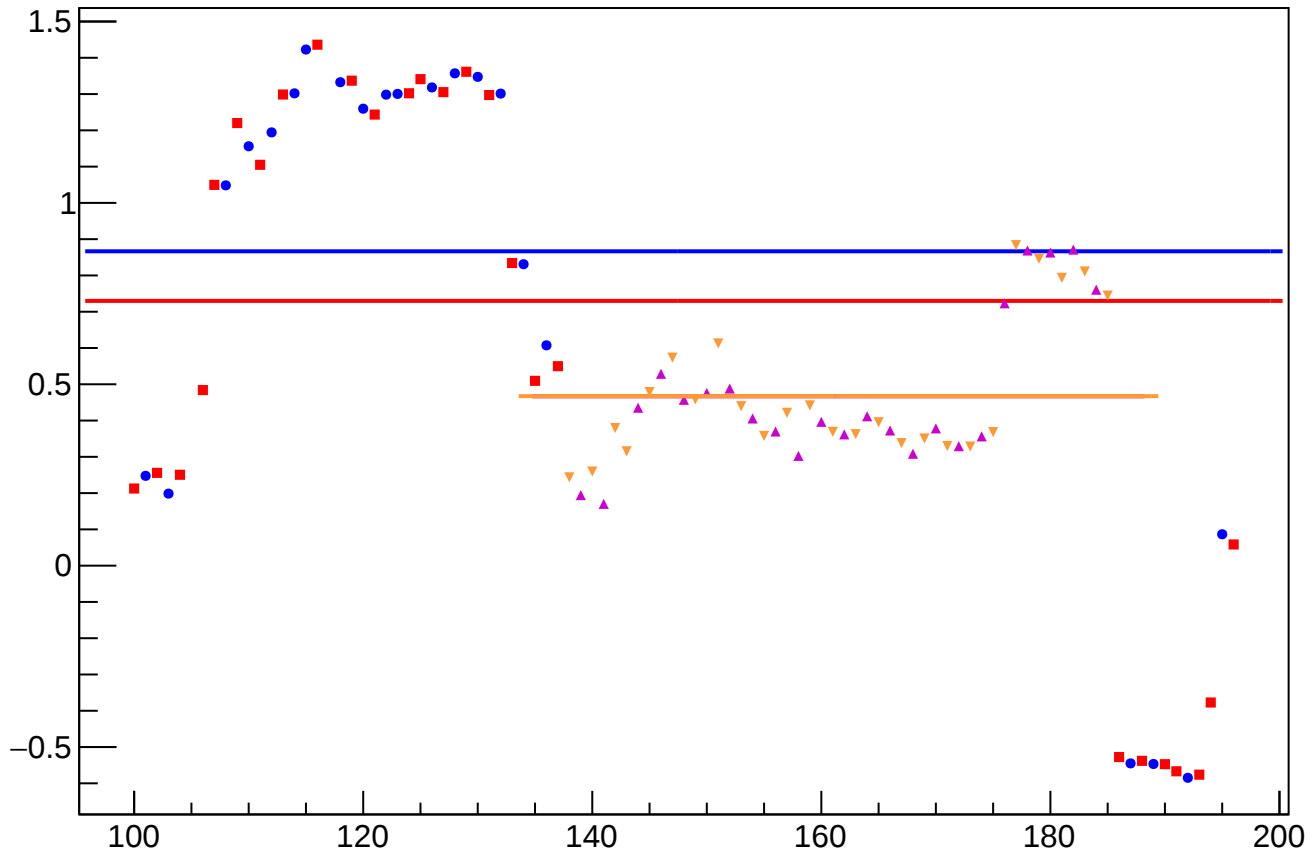
Left In: 0.002+/-0.000 χ^2/NDF :463279.7/22

+ sign 0.002+/-0.000 χ^2/NDF : 1520571.5/45

All: 0.002+/-0.000 χ^2/NDF : 3450542.4/94

- sign 0.002+/-0.000 χ^2/NDF : 1923733.6/48

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

Right Out: 0.730 $\pm$ 0.000 χ^2 /NDF: 85182693046.0/25

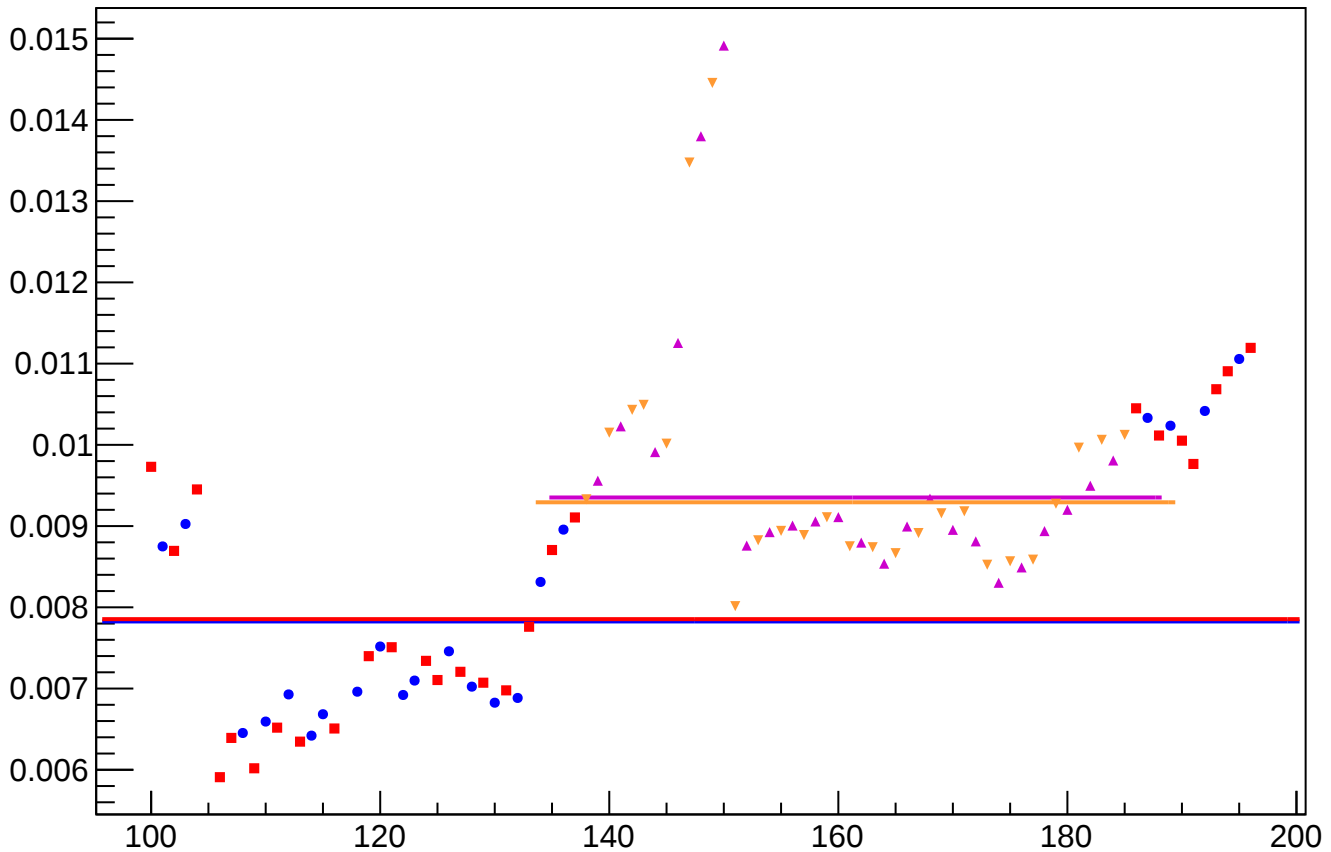
Left In: 0.467 $\pm$ 0.000 χ^2 /NDF: 8036741308.0/22

+ sign 0.629 $\pm$ 0.000 χ^2 /NDF: 77513283388.2/45

All: 0.610 $\pm$ 0.000 χ^2 /NDF: 177365533885.1

- sign 0.592 $\pm$ 0.000 χ^2 /NDF: 99593171536.0/48

yield_bpm2i02X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 560982.0/20

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 528279.5/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 970666.0/25

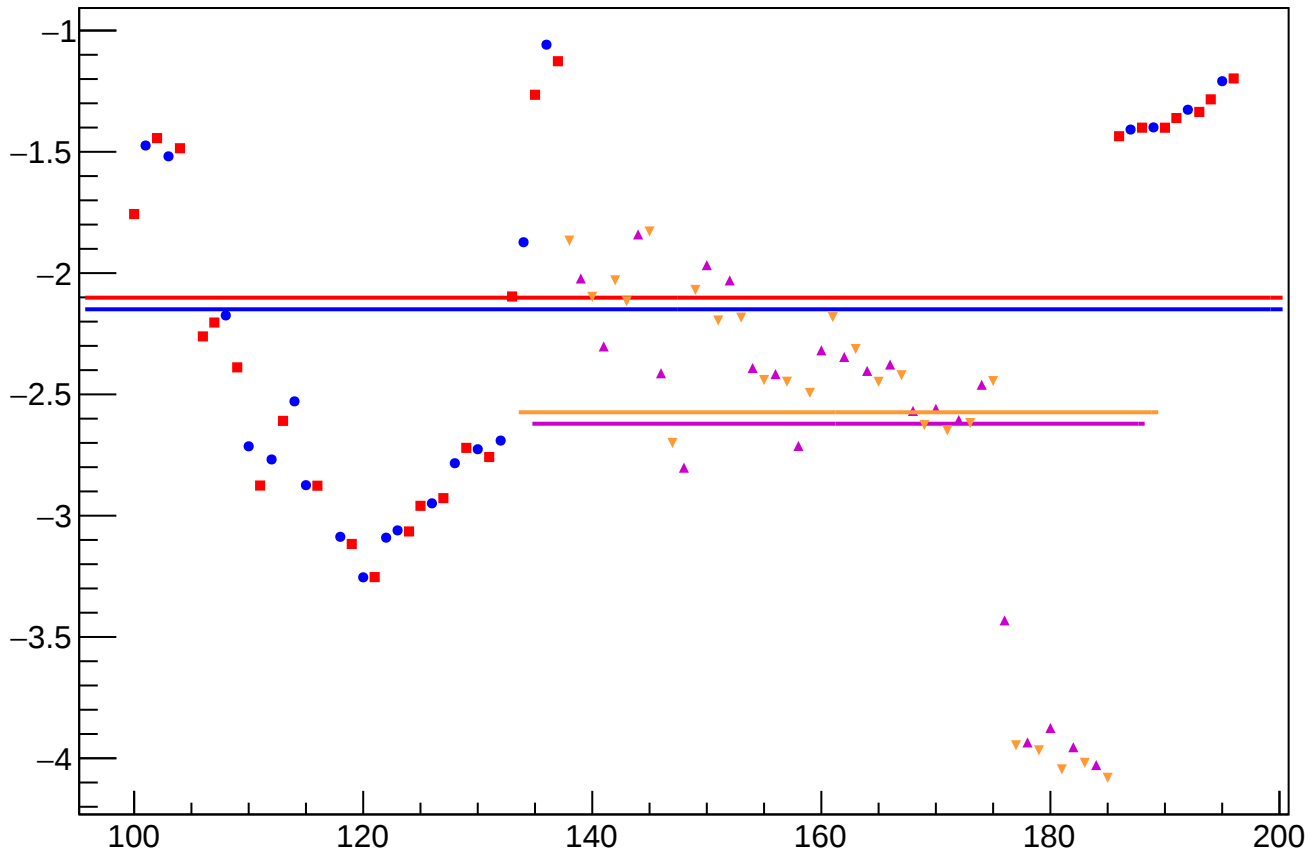
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 557555.2/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 1454587.6/45

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 3397222.8/94

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 1941535.2/48

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: -2.101 ± 0.000 χ^2/NDF : 100408691481.9/25

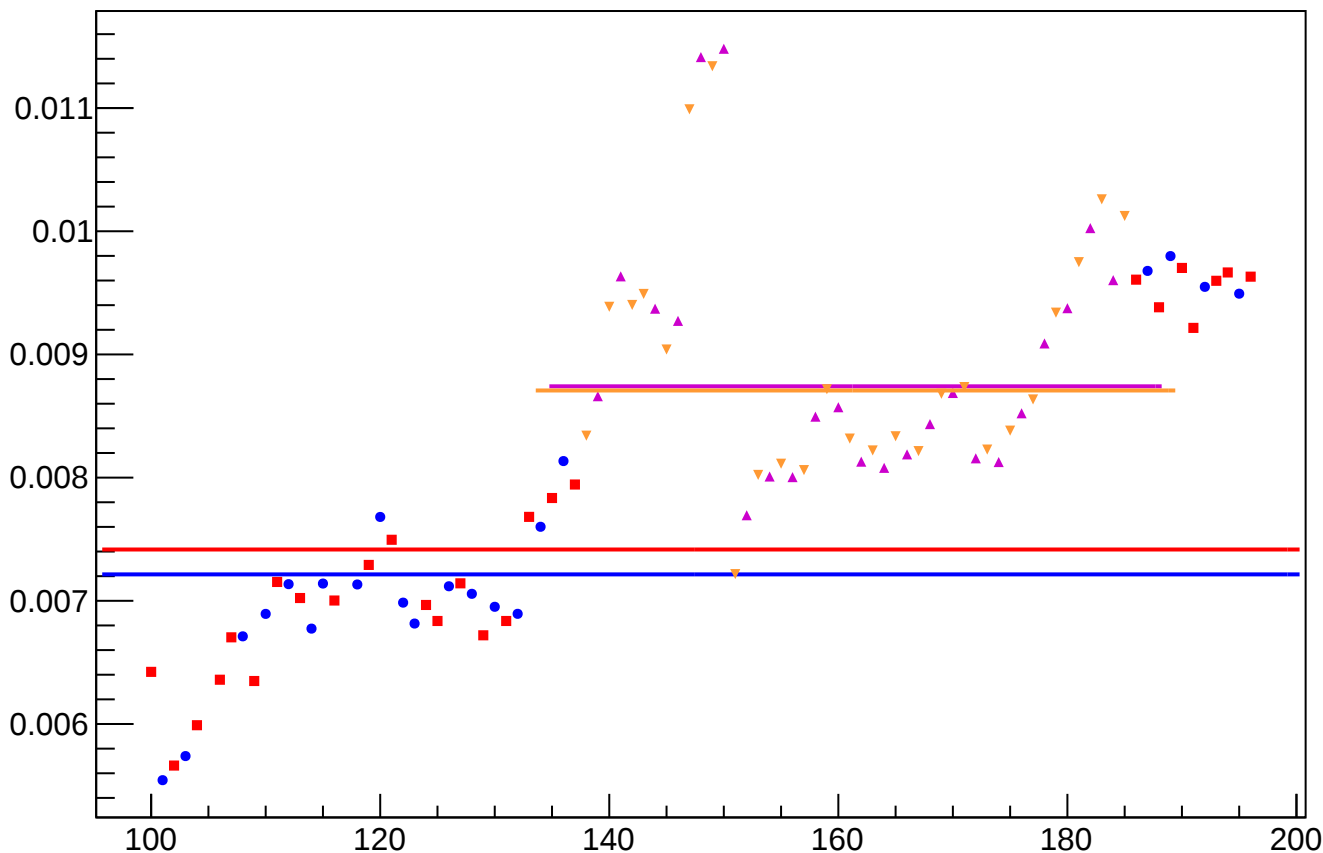
Left In: -2.621 ± 0.000 χ^2/NDF : 80862402796.4/22

+ sign -2.398 ± 0.000 χ^2/NDF : 212438333774.6/45

All: -2.387 ± 0.000 χ^2/NDF : 422320126081.1

- sign -2.376 ± 0.000 χ^2/NDF : 209782505440.0/48

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 506255.1/20

Left Out: 0.009+/-0.000 χ^2/NDF : 369376.5/24

Right Out: 0.007+/-0.000 χ^2/NDF : 674739.8/25

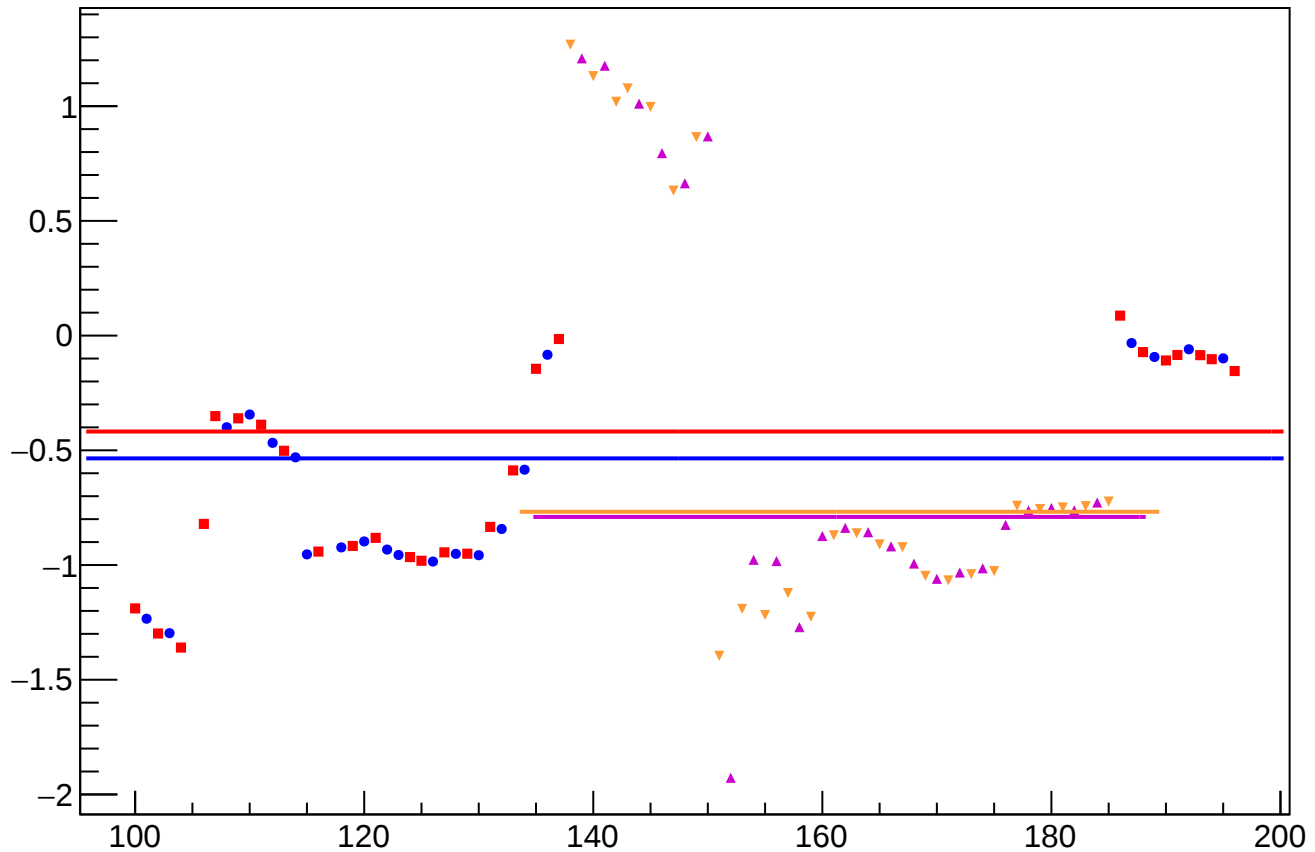
Left In: 0.009+/-0.000 χ^2/NDF : 353750.0/22

+ sign 0.008+/-0.000 χ^2/NDF : 1317489.1/45

All: 0.008+/-0.000 χ^2/NDF : 2716880.1/94

- sign 0.008+/-0.000 χ^2/NDF : 1399071.3/48

yield_bpm0i01X_mean vs Slug



Right In: -0.535 ± 0.000 χ^2/NDF : 19217566117.8/20

Left Out: -0.768 ± 0.000 χ^2/NDF : 120774855982.9/24

Right Out: -0.418 ± 0.000 χ^2/NDF : 24032494366.6/25

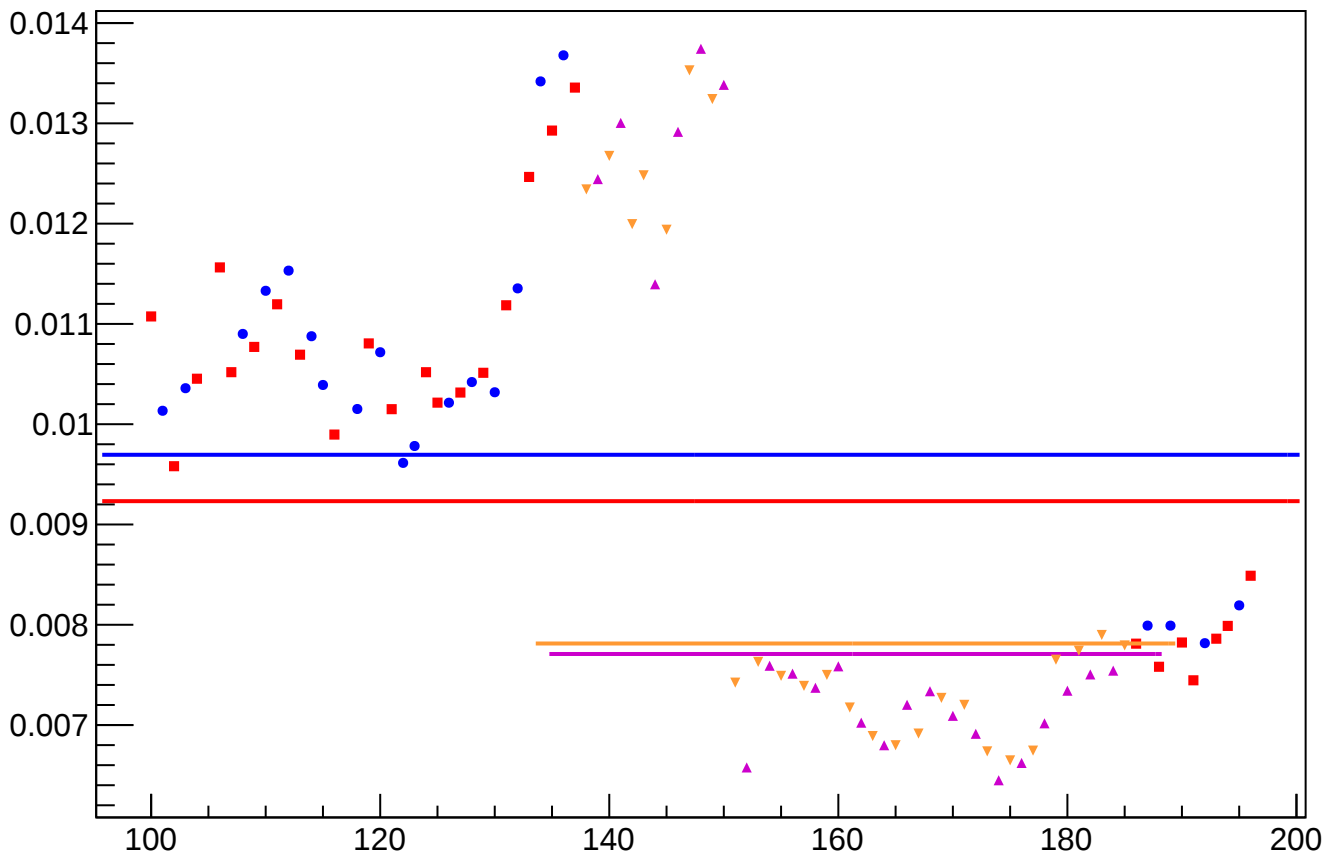
Left In: -0.790 ± 0.000 χ^2/NDF : 123452478408.2/22

+ sign -0.710 ± 0.000 χ^2/NDF : 143759928601.7/45

All: -0.691 ± 0.000 χ^2/NDF : 303486708764.2

- sign -0.672 ± 0.000 χ^2/NDF : 159447414111.3/48

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: 618914.5/25

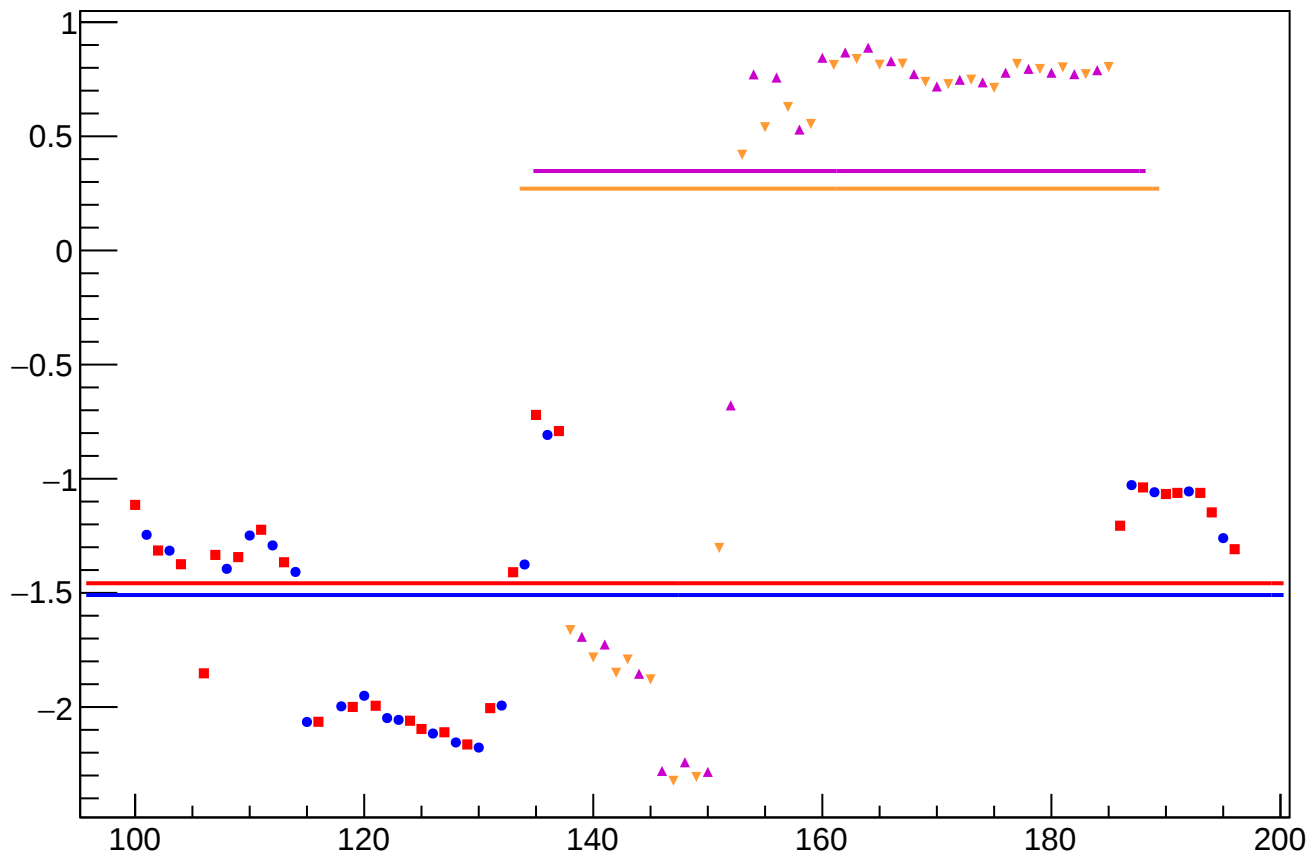
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:1746653.6/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2674302.2/45

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 5443754.2/94

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 2766580.4/48

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: -1.458+/-0.000 χ^2/NDF : 162928732183.6/25

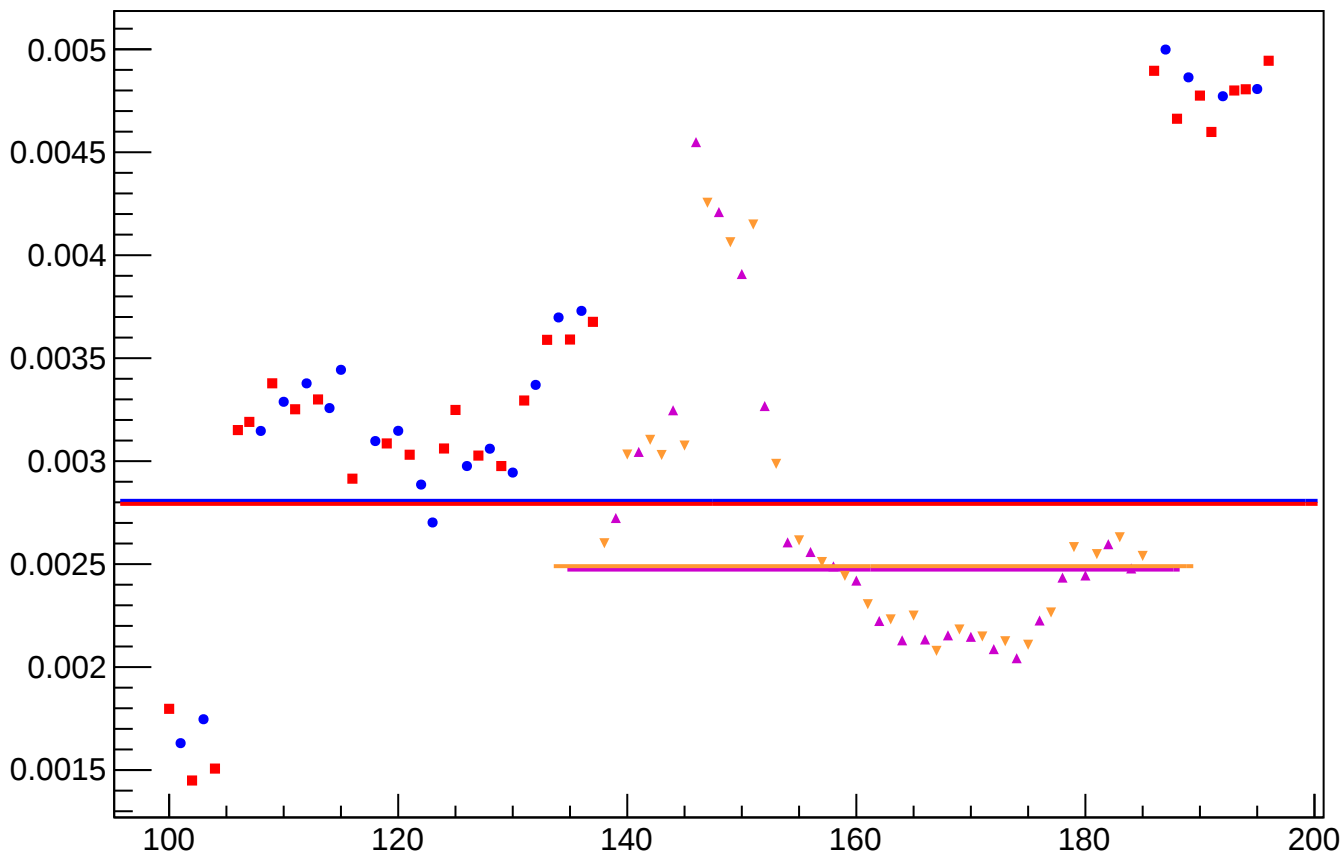
Left In: 0.348+/-0.000 χ^2/NDF : 2274004426513.8/22

+ sign -0.202+/-0.000 χ^2/NDF : 4961044499746.5/4

All: -0.212+/-0.000 χ^2/NDF : 9953099821084

- sign -0.222+/-0.000 χ^2/NDF : 4991351147648.5/4

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 1901434.5/20

Left Out: 0.002+/-0.000 χ^2/NDF :1070282.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 3187399.9/25

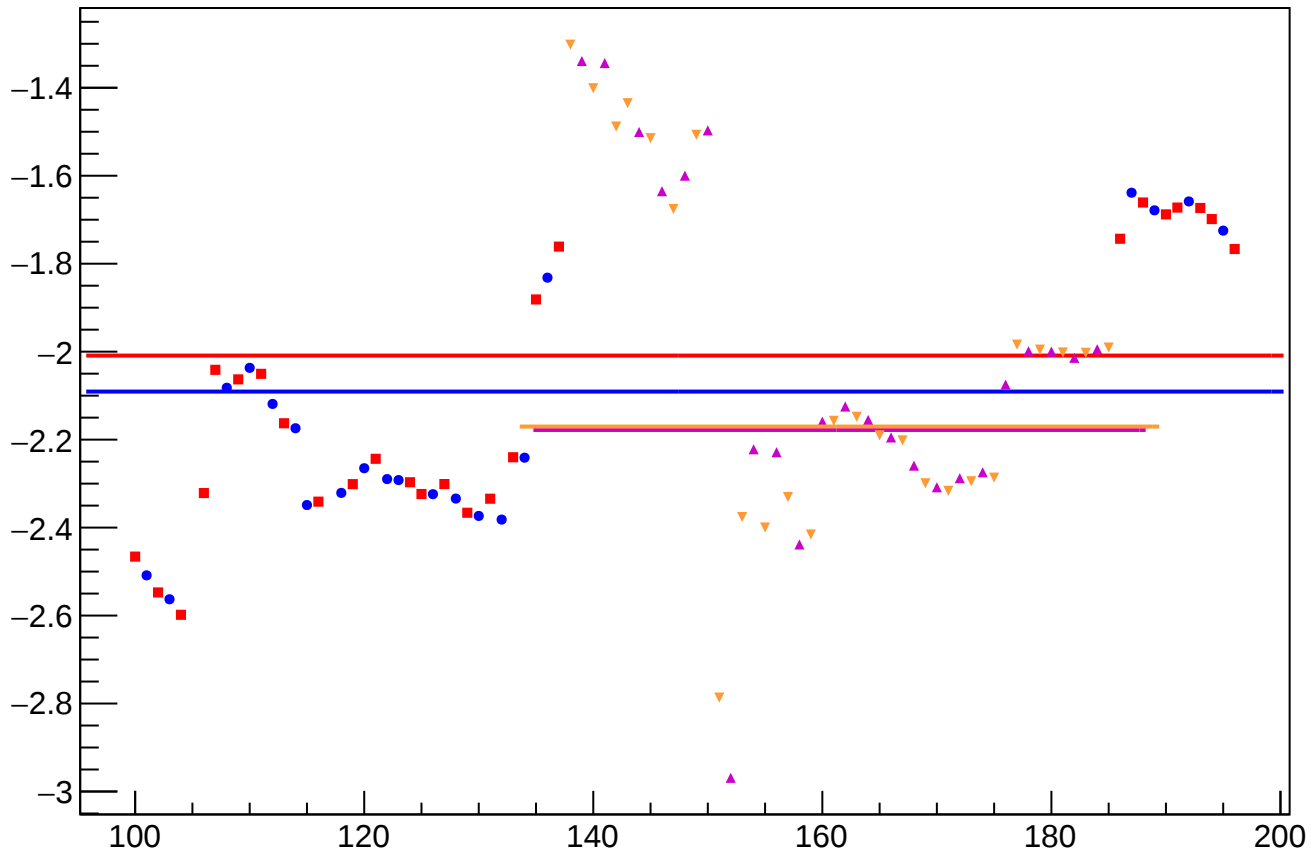
Left In: 0.002+/-0.000 χ^2/NDF :1135279.8/22

+ sign 0.003+/-0.000 χ^2/NDF : 3111903.0/45

All: 0.003+/-0.000 χ^2/NDF : 7594231.2/94

- sign 0.003+/-0.000 χ^2/NDF : 4482328.1/48

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: -2.009+/-0.000 χ^2/NDF : 32472817499.7/25

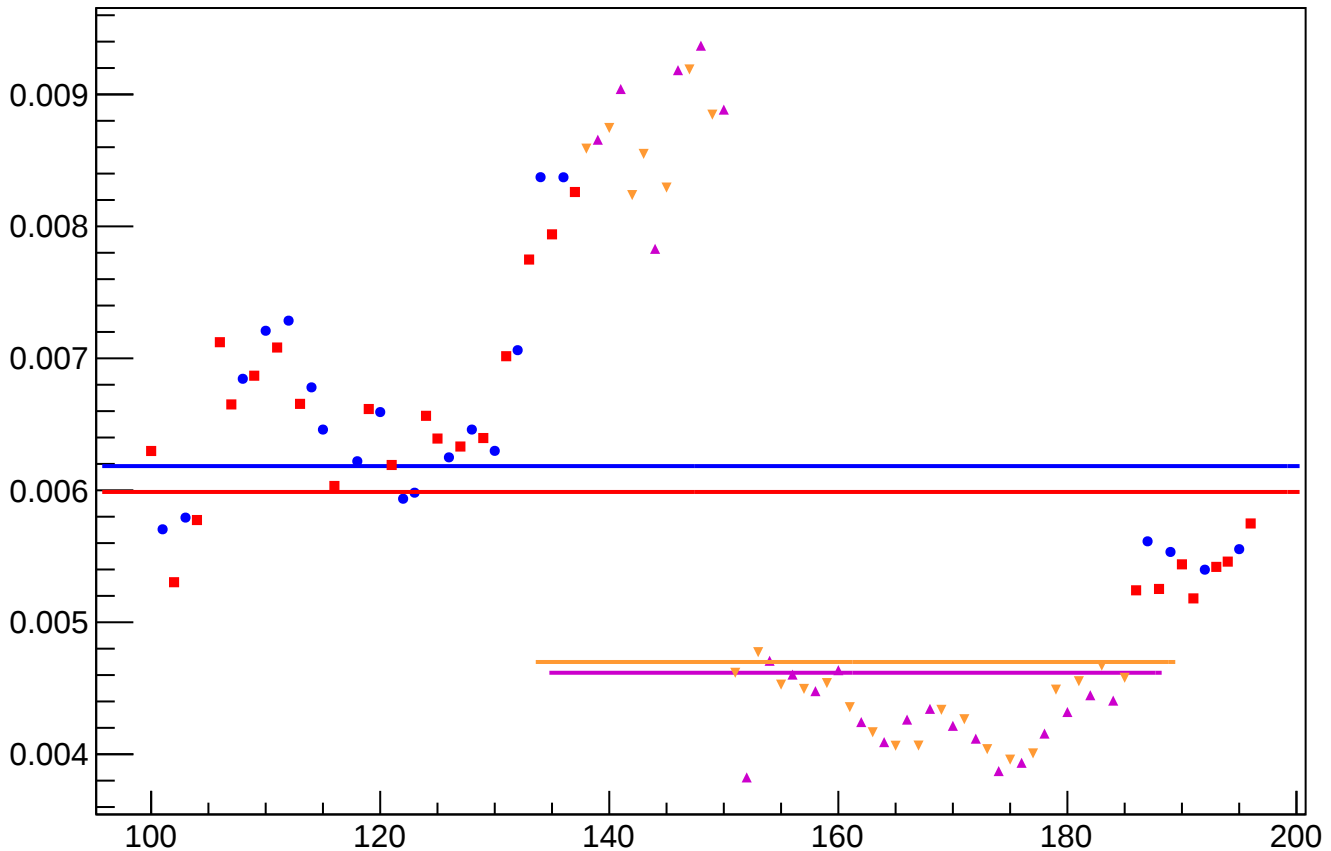
Left In: -2.178+/-0.000 χ^2/NDF : 73402051113.3/22

+ sign -2.152+/-0.000 χ^2/NDF : 85936741508.7/45

All: -2.140+/-0.000 χ^2/NDF : 198195842535.5

- sign -2.129+/-0.000 χ^2/NDF : 111988792088.8/48

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 : 348876.6/25

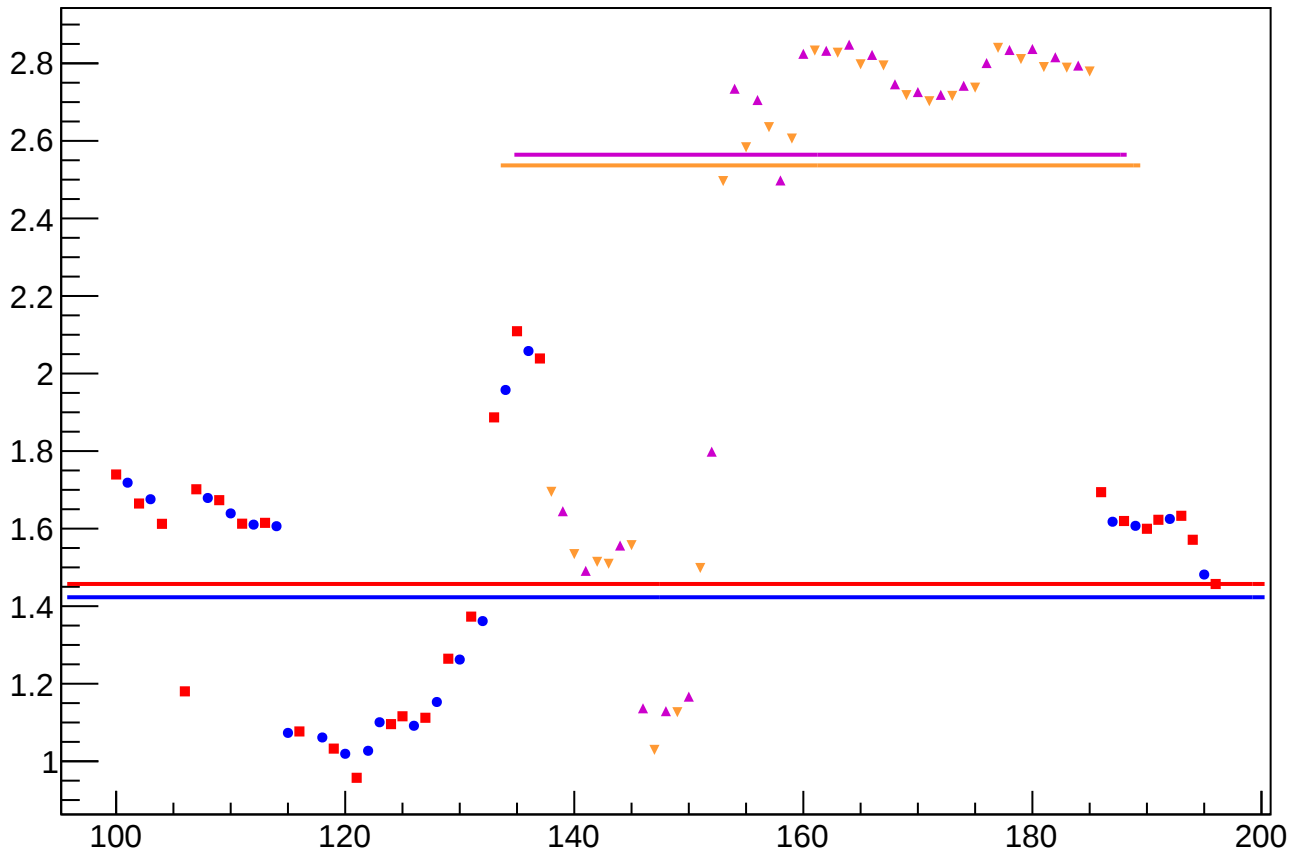
Left In: 0.005 ± 0.000 χ^2/NDF : 2367440.9/22

+ sign 0.005 ± 0.000 χ^2/NDF : 3375748.2/45

All: 0.005 ± 0.000 χ^2/NDF : 6894925.3/94

- sign 0.005 ± 0.000 χ^2/NDF : 3518534.0/48

yield_bpm0i01aY_mean vs Slug



Right In: 1.423+/-0.000 χ^2/NDF : 174053176504.3/20

Left Out: 2.537+/-0.000 χ^2/NDF : 269554948115.3/24

Right Out: 1.457+/-0.000 χ^2/NDF : 176653741436.3/25

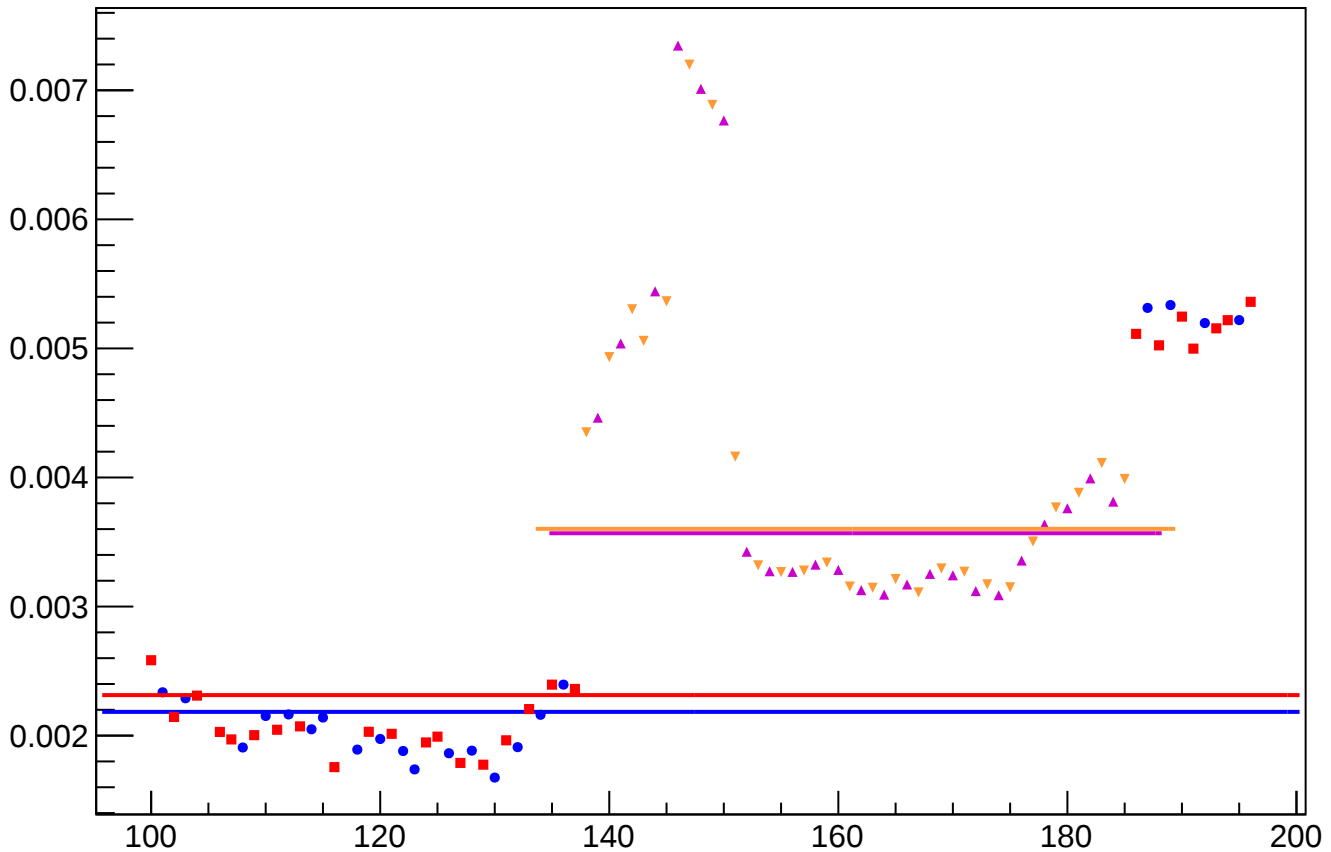
Left In: 2.564+/-0.000 χ^2/NDF : 260287937727.8/22

+ sign 1.919+/-0.000 χ^2/NDF : 1329376486383.0/45

All: 1.918+/-0.000 χ^2/NDF : 2645612214545.

- sign 1.917+/-0.000 χ^2/NDF : 1316223844008.4/48

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: 2926553.6/25

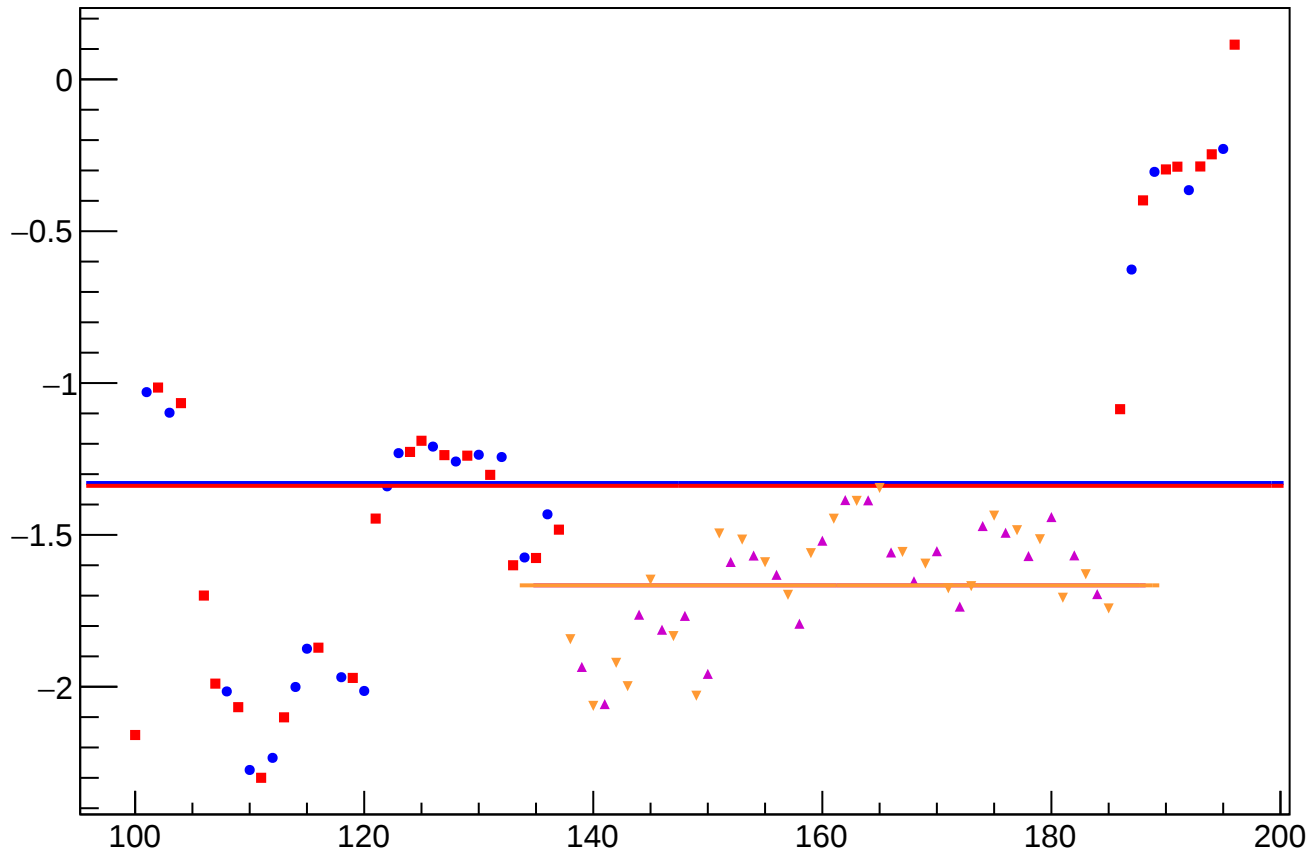
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1563028.0/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 6110755.8/45

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 12857914.0/94

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 6746207.4/48

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: -1.338+/-0.000 χ^2 /NDF: 89262408863.5/25

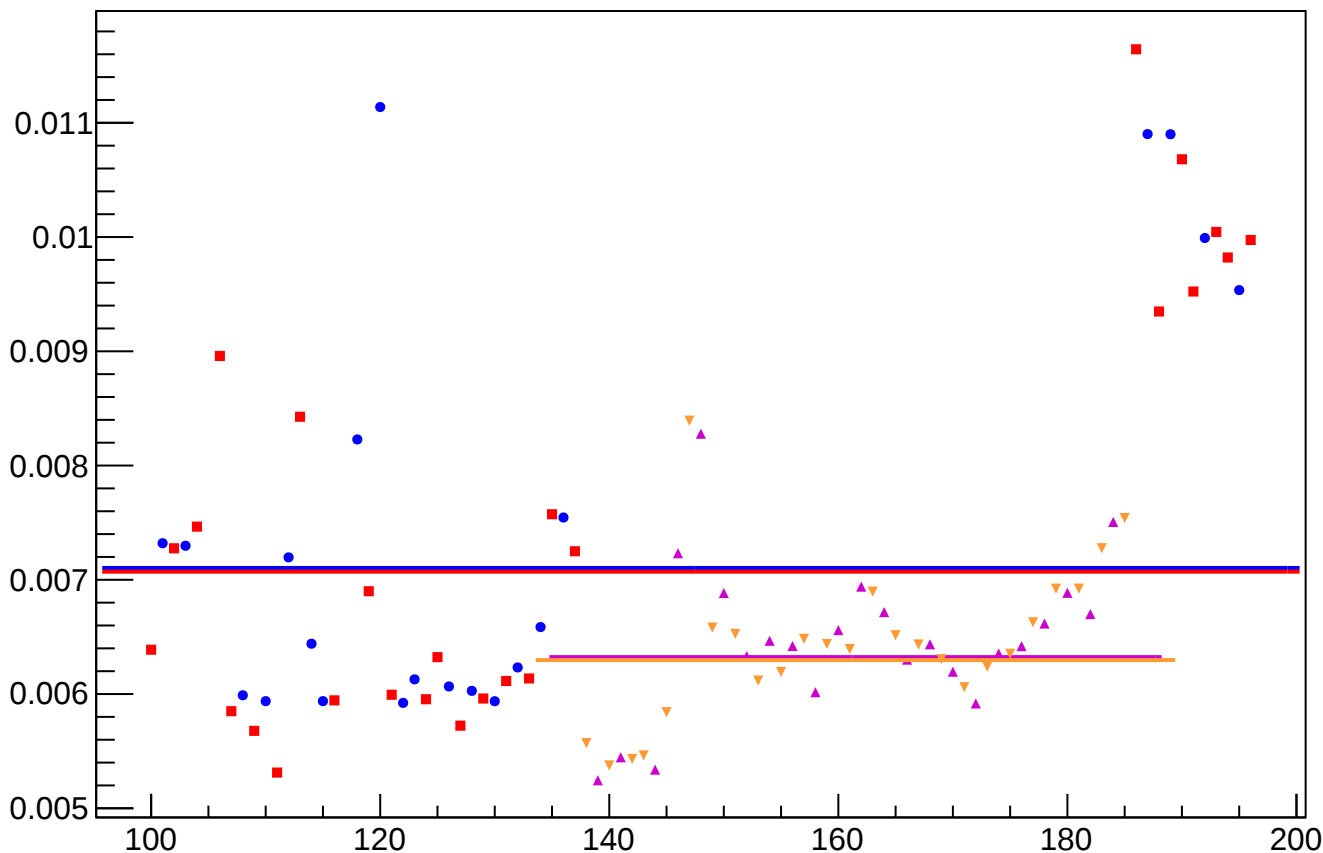
Left In: -1.666+/-0.000 χ^2 /NDF:14292570816.9/22

+ sign -1.576+/-0.000 χ^2 /NDF: 81731083800.7/45

All: -1.566+/-0.000 χ^2 /NDF: 200061069942.6

- sign -1.557+/-0.000 χ^2 /NDF: 118219962821.0/48

yield_bpm0l01X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 690823.3/20

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:310757.0/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 1103022.5/25

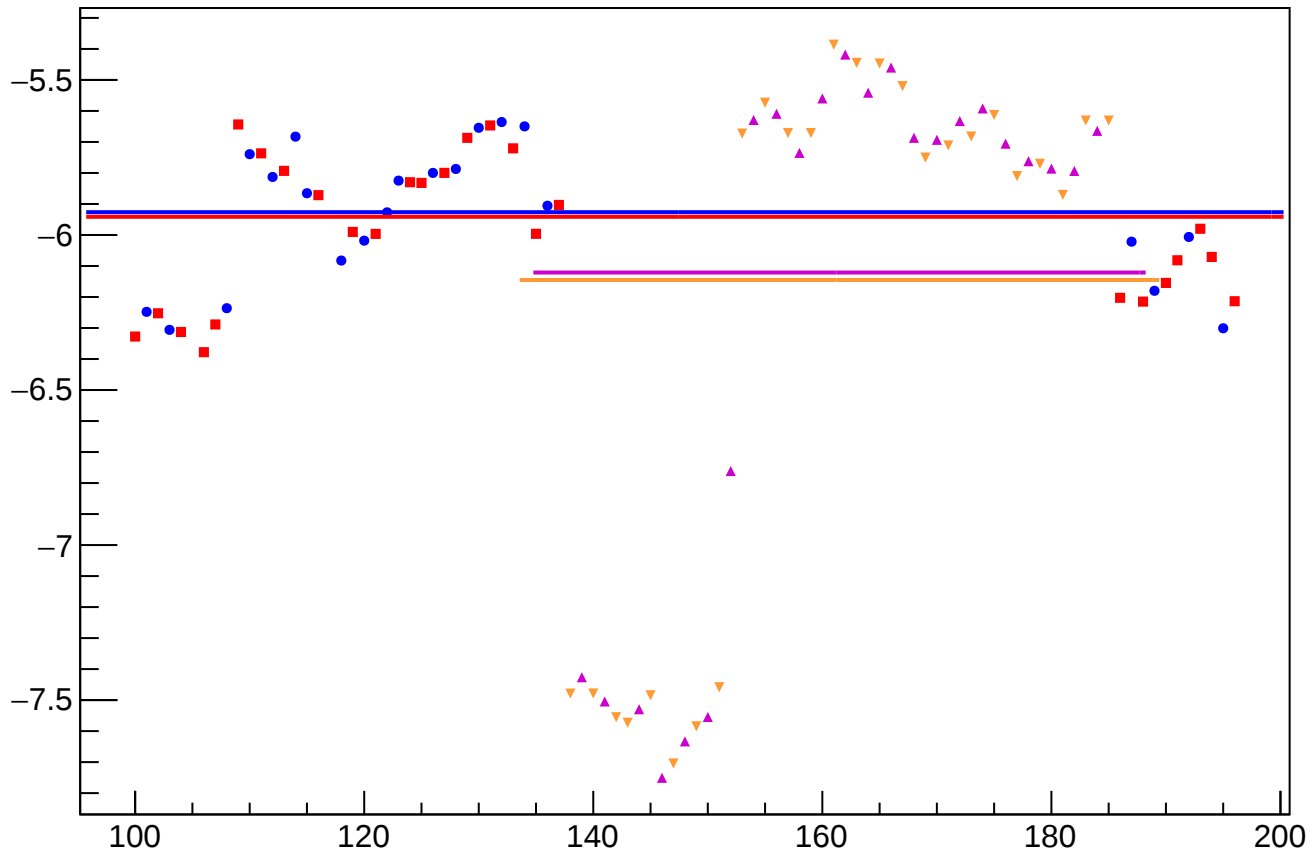
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:330859.7/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1154949.0/45

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 2743805.7/94

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 1586715.0/48

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: -5.941+/-0.000 χ^2/NDF : 14043728676.0/25

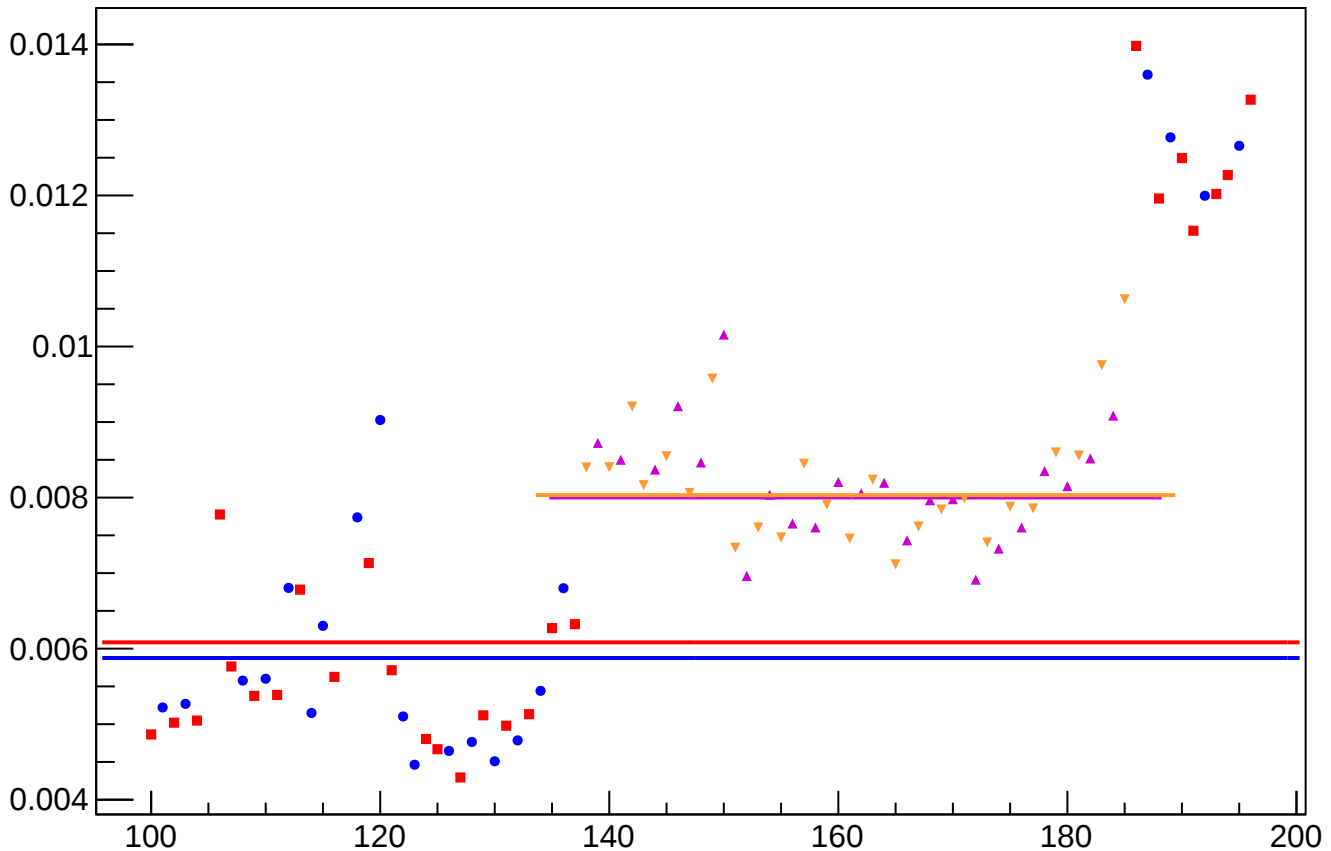
Left In: -6.121+/-0.000 χ^2/NDF : 158315913062.3/22

+ sign -6.045+/-0.000 χ^2/NDF : 203102972775.3/45

All: -6.038+/-0.000 χ^2/NDF : 379512272513.4

- sign -6.031+/-0.000 χ^2/NDF : 176359174327.7/48

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 : 2611102.3/25

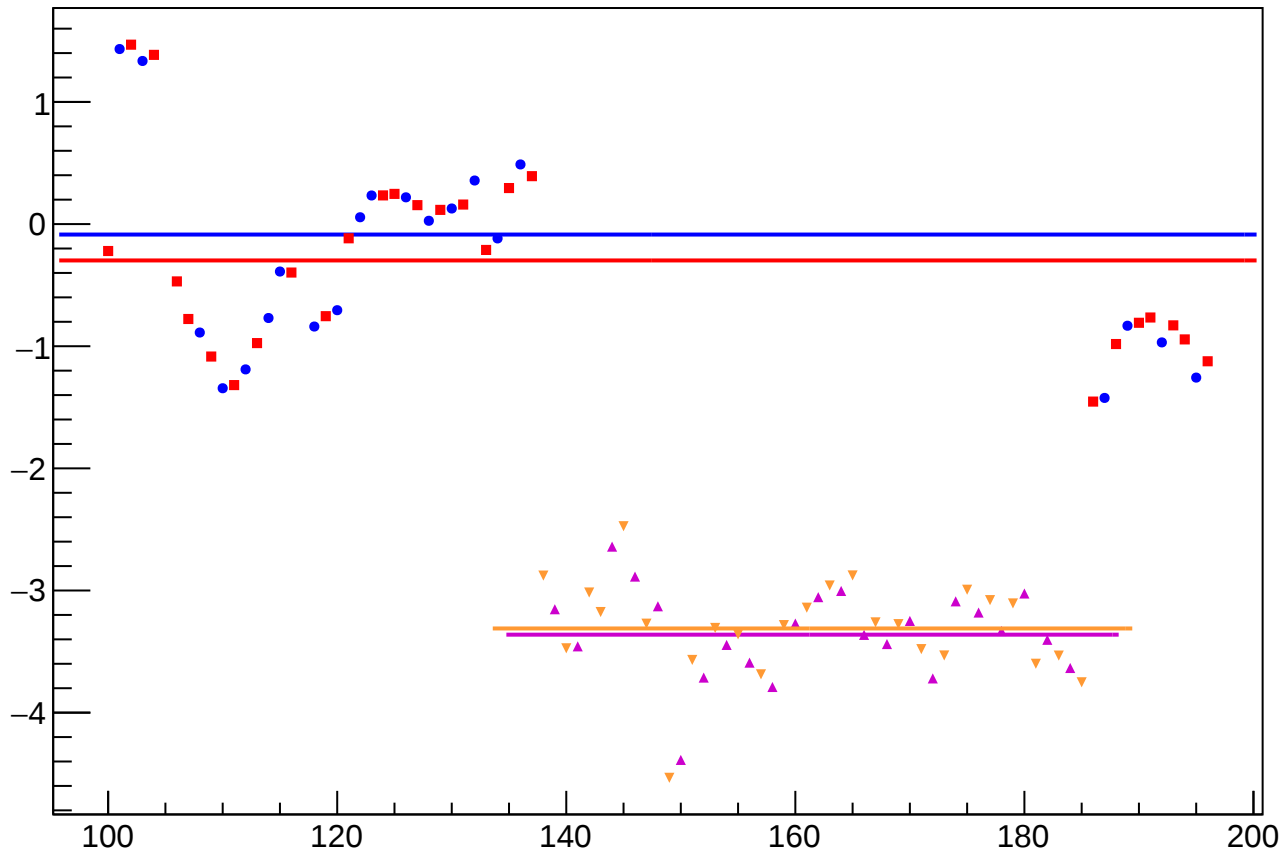
Left In: 0.008 ± 0.000 χ^2/NDF : 220756.1/22

+ sign 0.007 ± 0.000 χ^2/NDF : 3031862.8/45

All: 0.007 ± 0.000 χ^2/NDF : 6775492.2/94

- sign 0.007 ± 0.000 χ^2/NDF : 3743591.1/48

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: -0.298+/-0.000 χ^2 /NDF: 30076696670.6/25

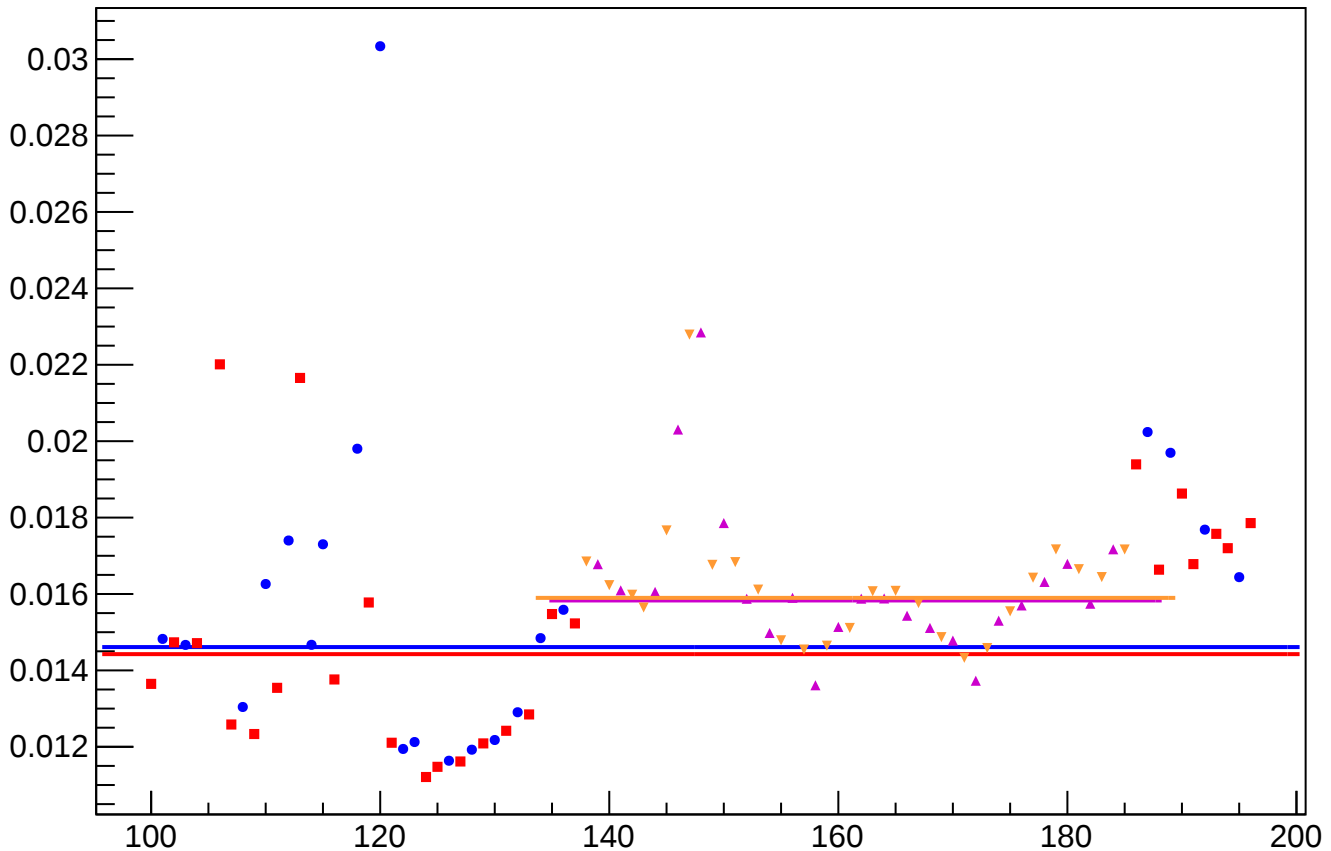
Left In: -3.362+/-0.000 χ^2 /NDF:8171803777.4/22

+ sign -2.177+/-0.000 χ^2 /NDF: 291542135624.5/45

All: -2.110+/-0.000 χ^2 /NDF: 597399336006.8

- sign -2.048+/-0.000 χ^2 /NDF: 304931787528.0/48

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 : 649247.8/25

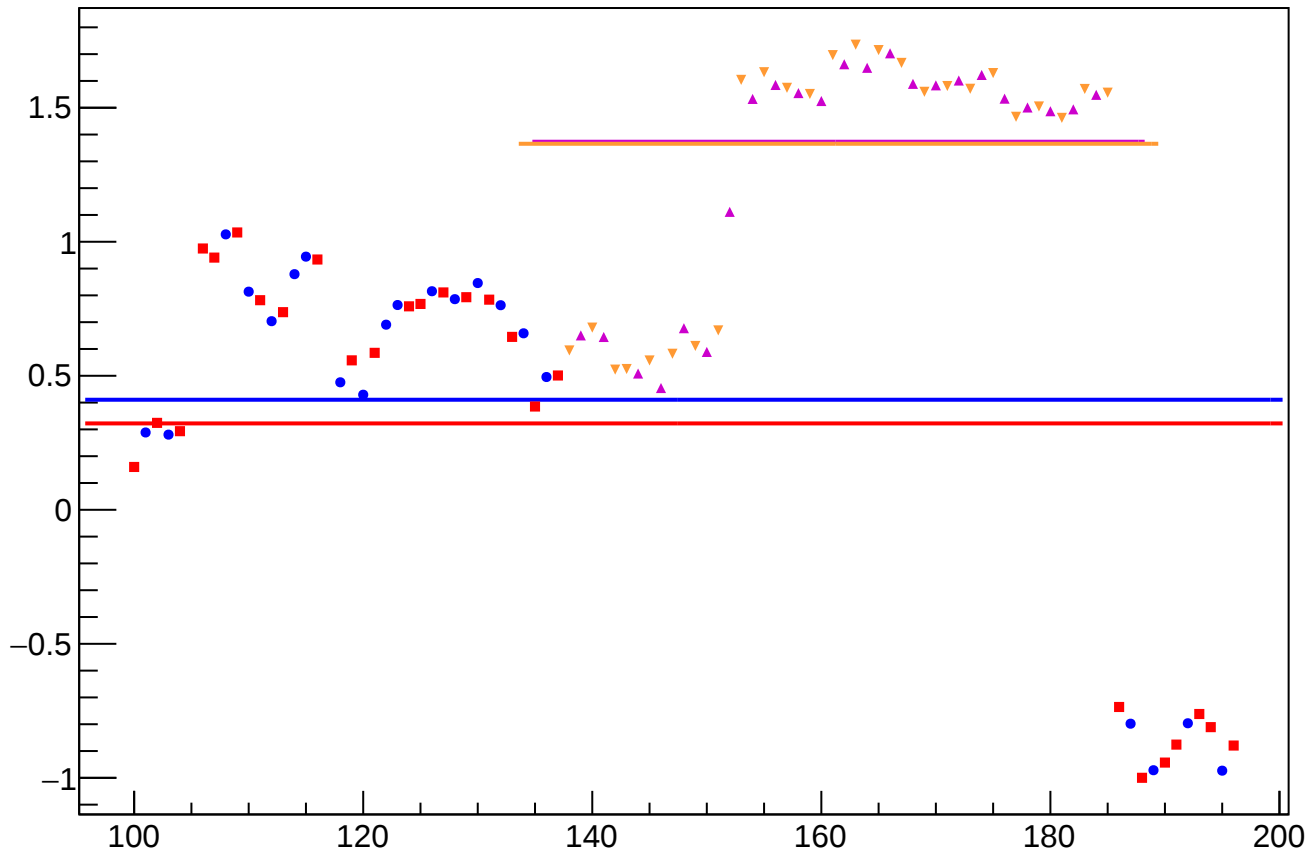
Left In: 0.016+/-0.000 χ^2/NDF :339542.1/22

+ sign 0.015+/-0.000 χ^2/NDF : 920957.0/45

All: 0.015+/-0.000 χ^2/NDF : 2027161.7/94

- sign 0.015+/-0.000 χ^2/NDF : 1100929.3/48

yield_bpm0l02Y_mean vs Slug



Right In: 0.411 $\pm$ 0.000 χ^2 /NDF: 35181687861.4/20

Left Out: 1.366 $\pm$ 0.000 χ^2 /NDF: 74741956067.9/24

Right Out: 0.322 $\pm$ 0.000 χ^2 /NDF: 55876549532.3/25

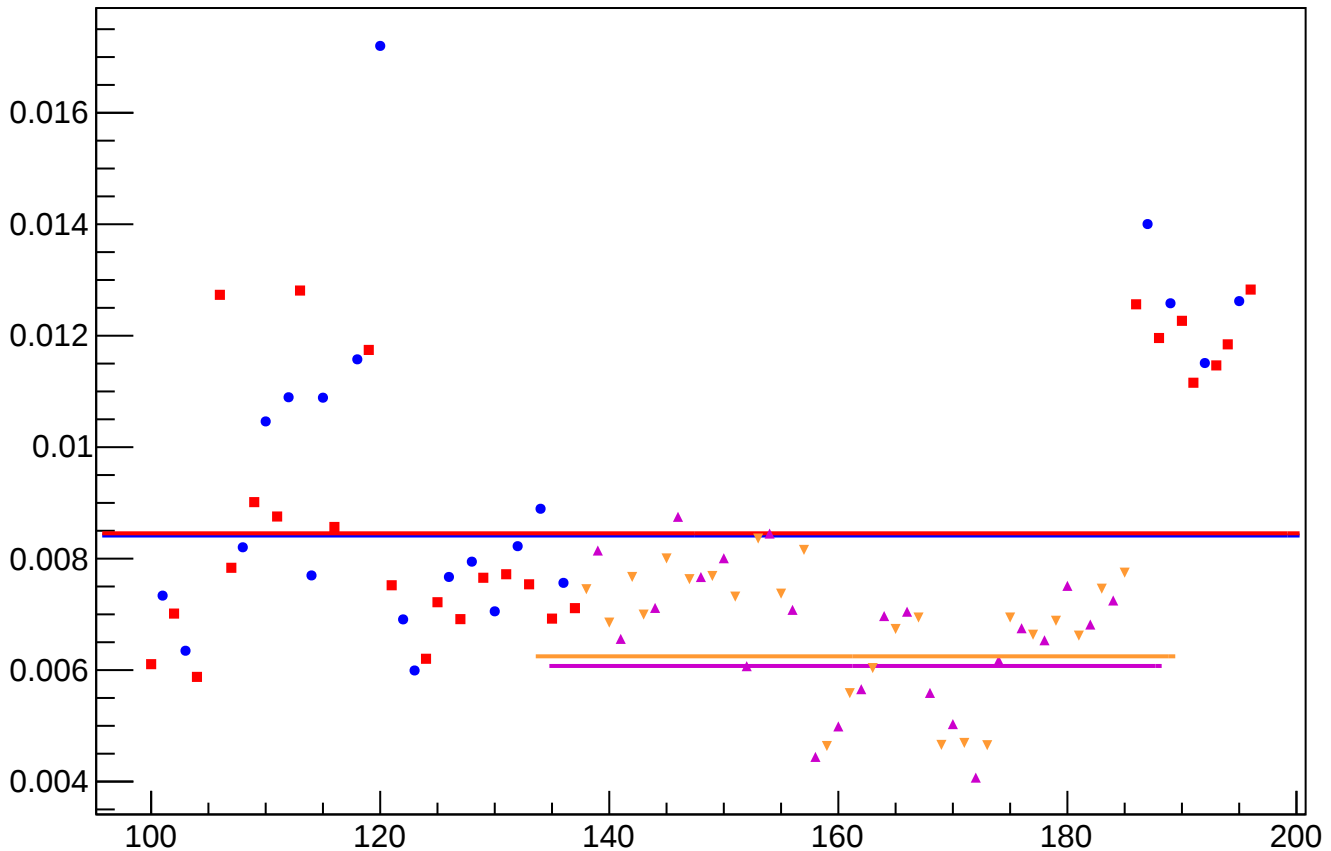
Left In: 1.373 $\pm$ 0.000 χ^2 /NDF: 63413151416.3/22

+ sign 1.169 $\pm$ 0.000 χ^2 /NDF: 189734453842.1/45

All: 1.143 $\pm$ 0.000 χ^2 /NDF: 424017527825.0

- sign 1.119 $\pm$ 0.000 χ^2 /NDF: 233577560895.8/48

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 : 1340758.7/25

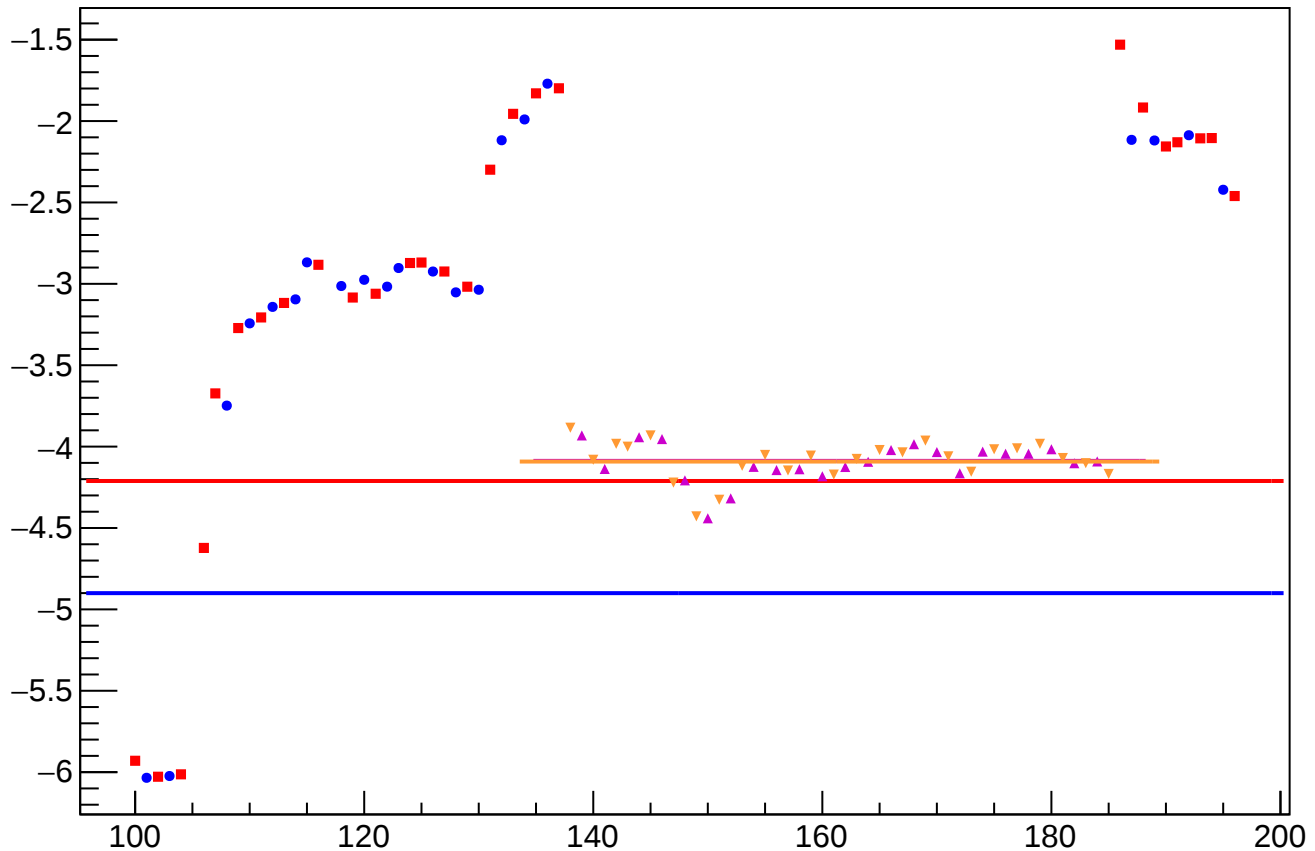
Left In: 0.006+/-0.000 χ^2/NDF :1431986.5/22

+ sign 0.007+/-0.000 χ^2/NDF : 3136888.8/45

All: 0.007+/-0.000 χ^2/NDF : 7083330.2/94

- sign 0.007+/-0.000 χ^2/NDF : 3945477.8/48

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: -4.211+/-0.000 χ^2/NDF : 259788849216.2/25

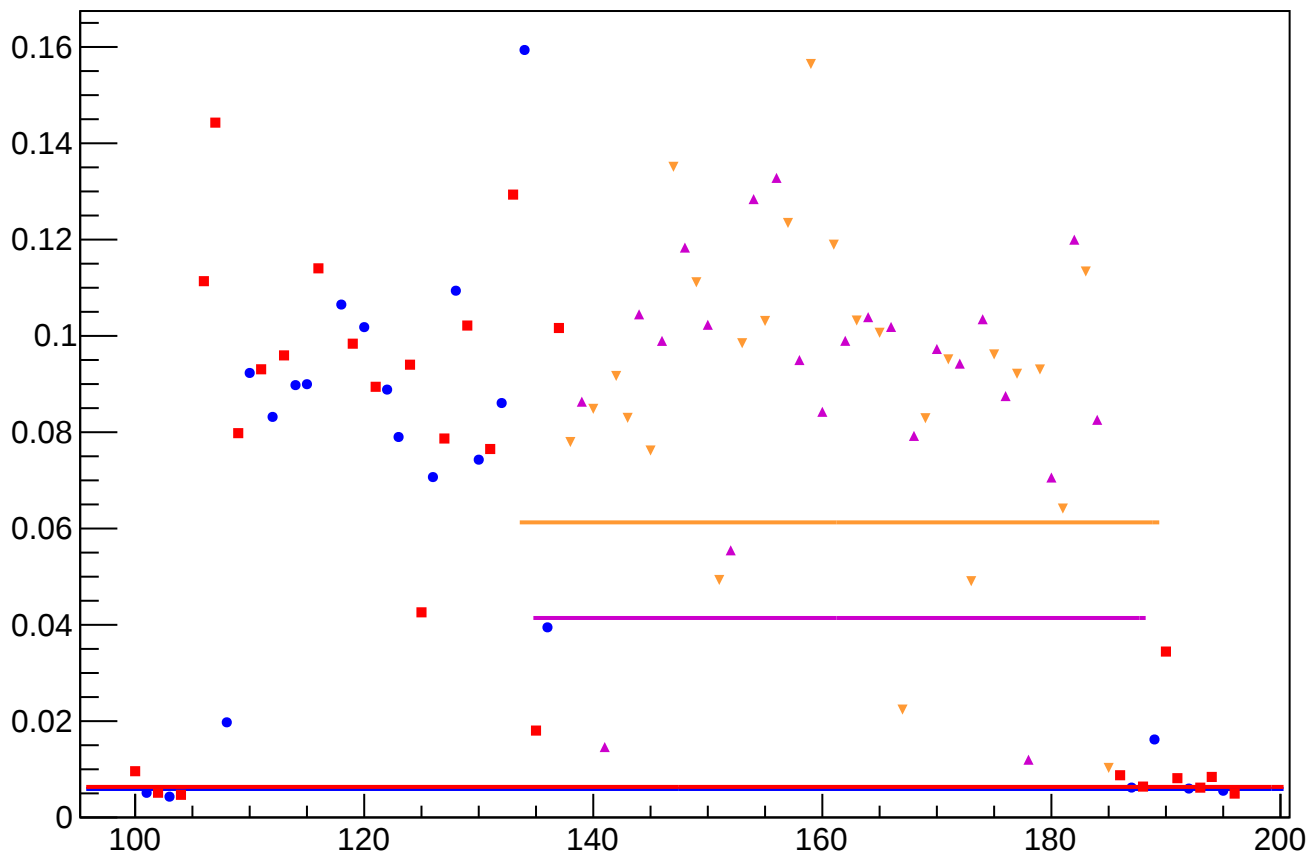
Left In: -4.088+/-0.000 χ^2/NDF : 34412880.7/22

+ sign -4.866+/-0.000 χ^2/NDF : 198739235688.7/45

All: -4.523+/-0.000 χ^2/NDF : 474287755489.9

- sign -4.204+/-0.000 χ^2/NDF : 259884580274.7/48

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: 0.006 $\pm$ 0.000 χ^2 /NDF: 8745003.7/25

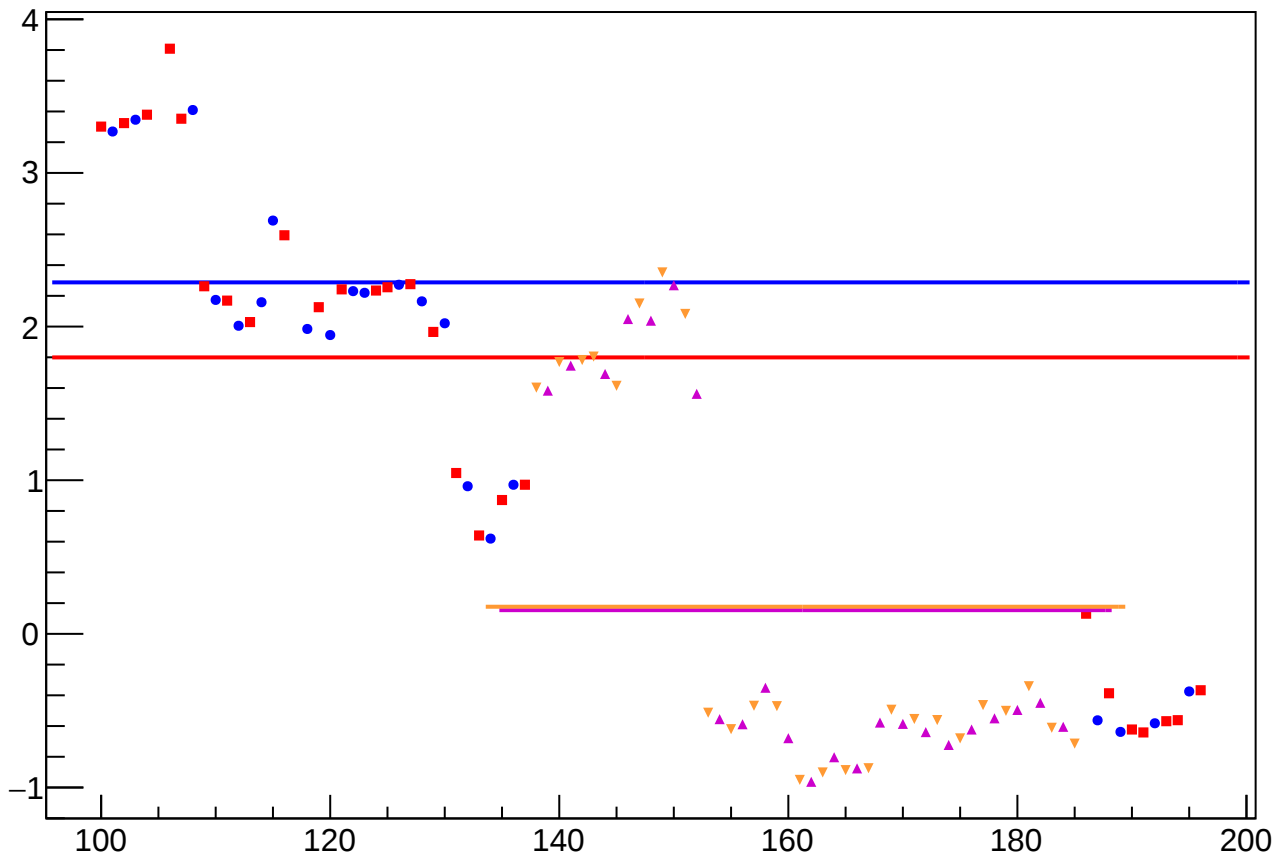
Left In: 0.041 $\pm$ 0.000 χ^2 /NDF:13124468.7/22

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 33674487.1/45

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 65438065.3/94

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 31763142.6/48

yield_bpm0l03Y_mean vs Slug



Right In: 2.288 $\pm$ 0.000 χ^2 /NDF: 107957634306.0/20

Left Out: 0.177 $\pm$ 0.000 χ^2 /NDF: 3275313367.7/24

Right Out: 1.799 $\pm$ 0.000 χ^2 /NDF: 150779686177.6/25

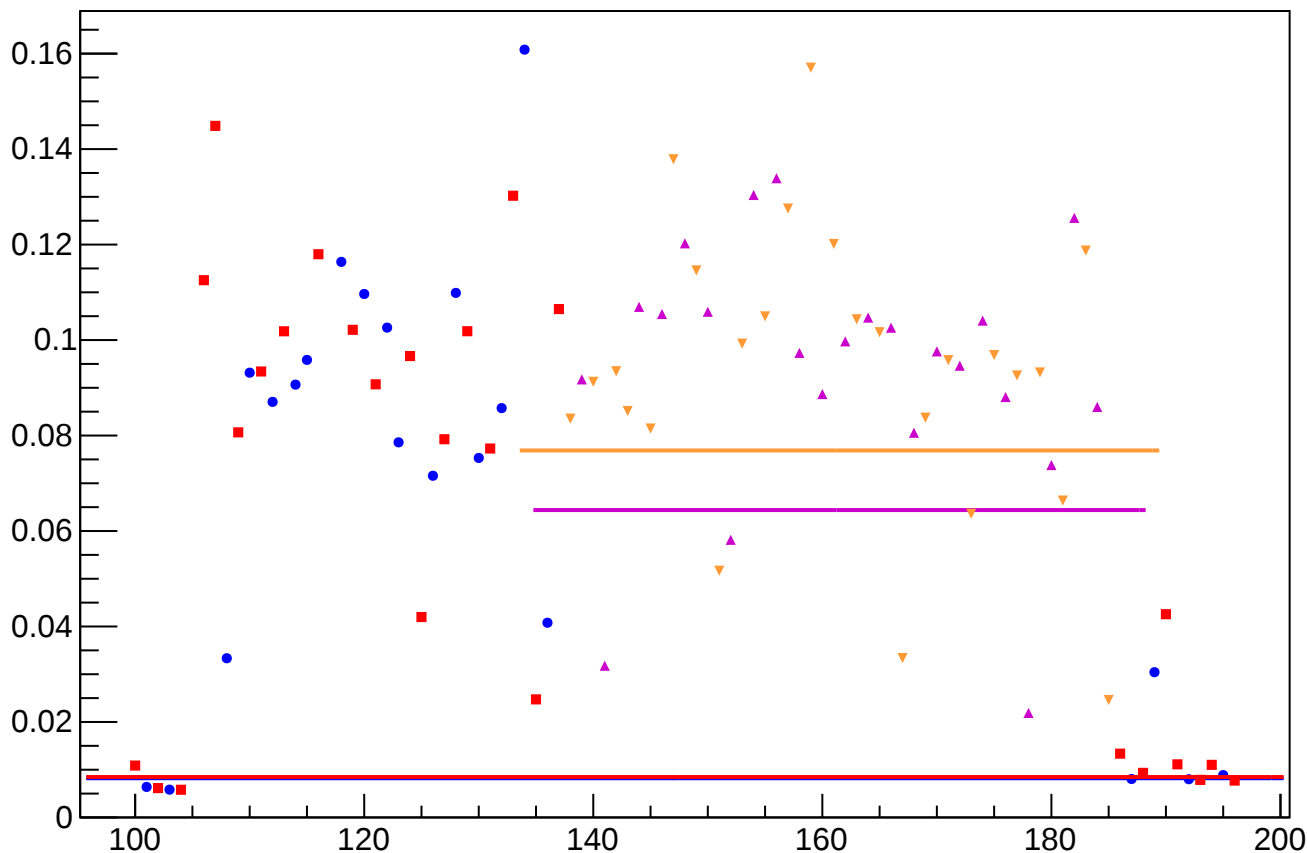
Left In: 0.154 $\pm$ 0.000 χ^2 /NDF: 3163553595.0/22

+ sign 2.171 $\pm$ 0.000 χ^2 /NDF: 120779075214.3/45

All: 1.925 $\pm$ 0.000 χ^2 /NDF: 285997351538.8

- sign 1.708 $\pm$ 0.000 χ^2 /NDF: 160537511801.3/48

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: 0.008 $\pm$ 0.000 χ^2 /NDF: 8590066.2/25

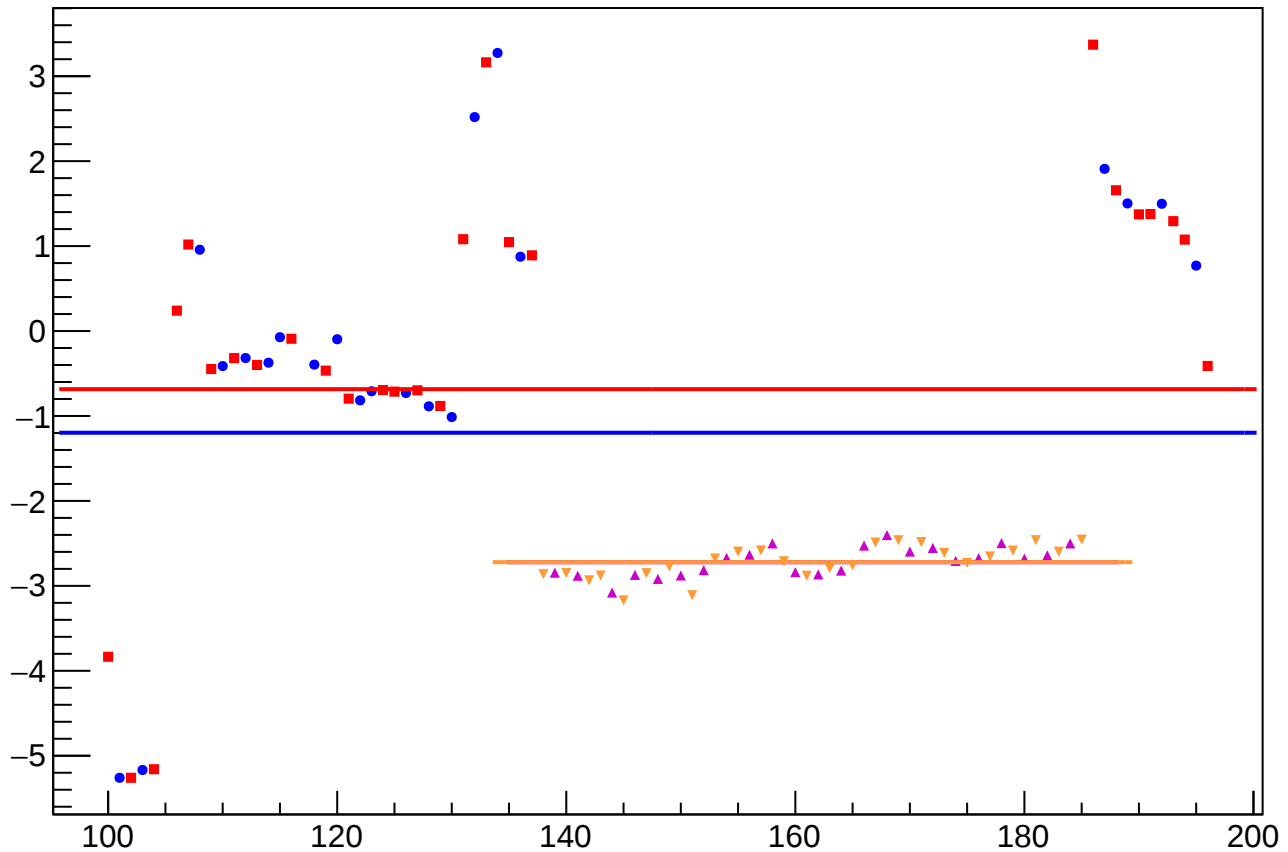
Left In: 0.064 $\pm$ 0.000 χ^2 /NDF: 6990231.5/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 32303539.6/45

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 63135855.9/94

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 30823240.1/48

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: -0.684+/-0.000 χ^2/NDF : 225300667083.1/25

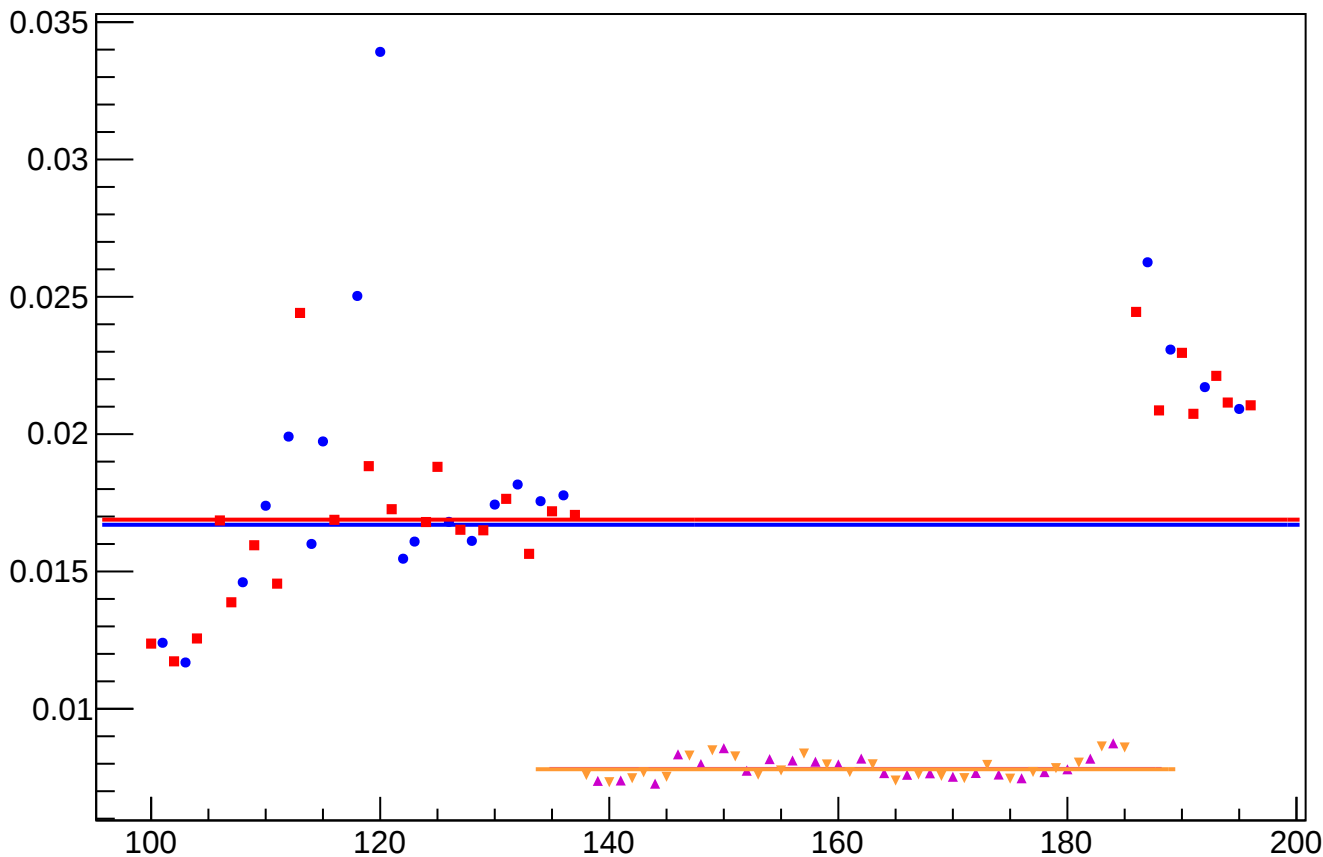
Left In: -2.722+/-0.000 χ^2/NDF : 8146484592.1/22

+ sign -2.589+/-0.000 χ^2/NDF : 270215887461.9/45

All: -2.540+/-0.000 χ^2/NDF : 634527886848.1

- sign -2.490+/-0.000 χ^2/NDF : 362782313680.0/48

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: 876293.4/25

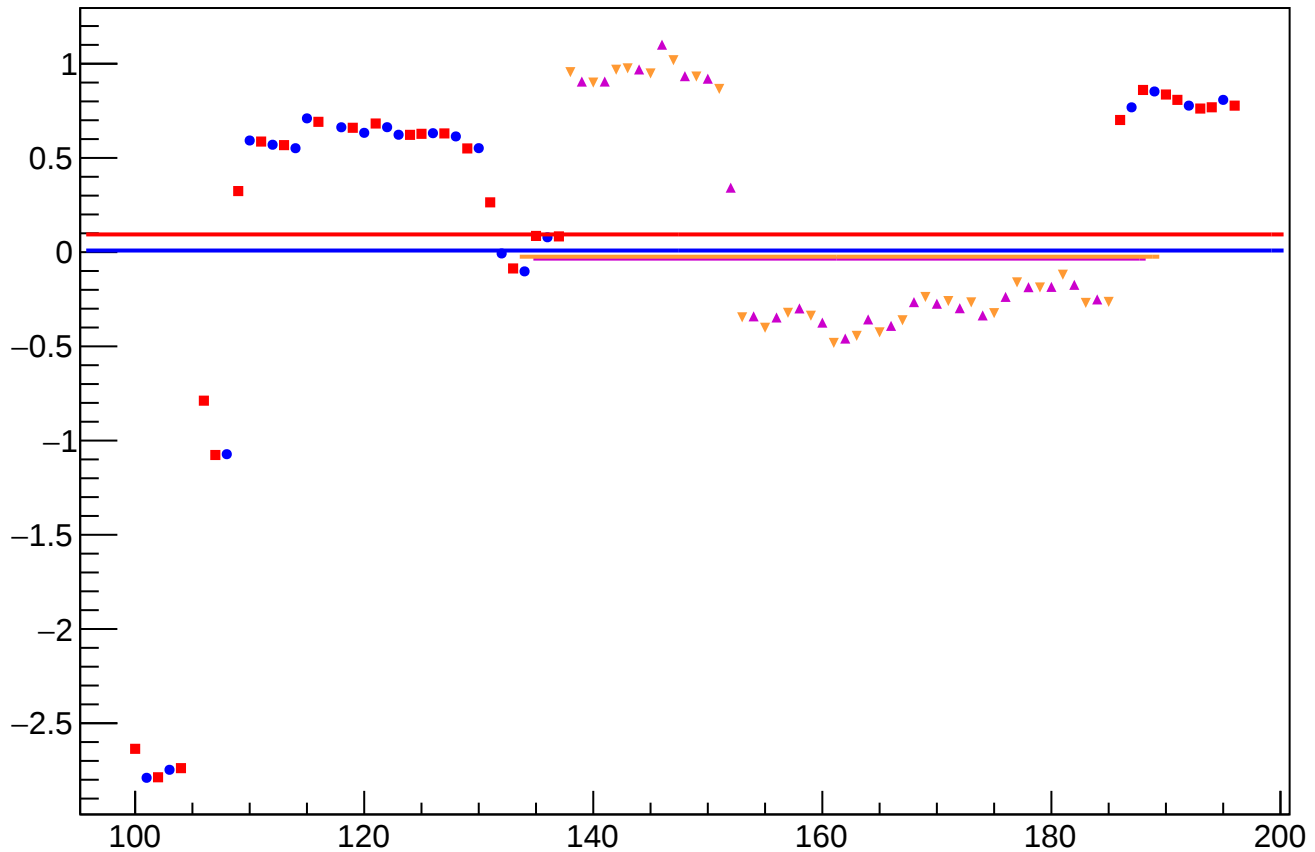
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 67610.2/22

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 4971773.9/45

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 11070981.4/94

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 6076369.5/48

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: 0.094 $\pm$ 0.000 χ^2 /NDF: 874541065799.8/25

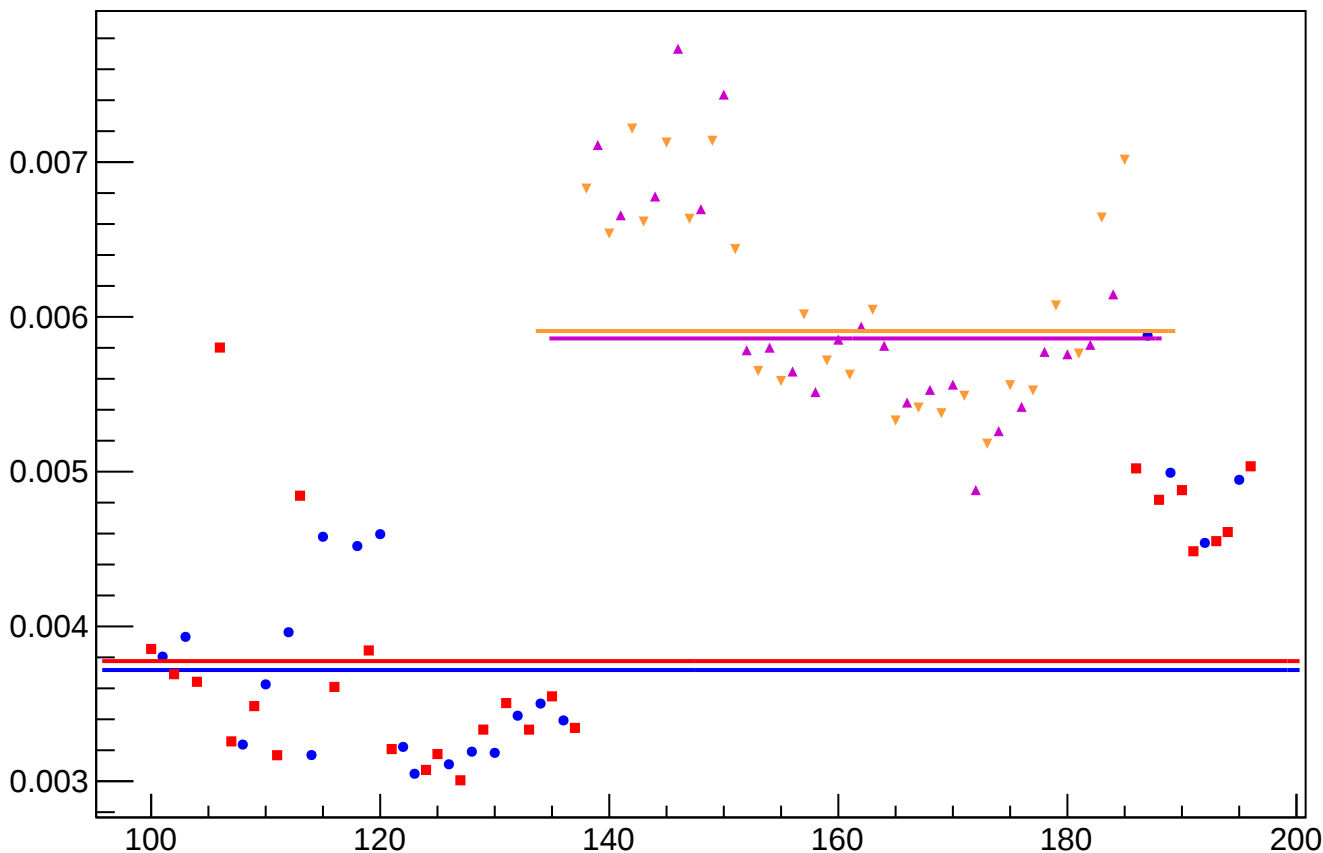
Left In: -0.034 $\pm$ 0.000 χ^2 /NDF: 113929060918.1/22

+ sign -0.006 $\pm$ 0.000 χ^2 /NDF: 922151668439.3/45

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 1916762245086.0/48

- sign 0.044 $\pm$ 0.000 χ^2 /NDF: 993171619949.0/48

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 467740.0/20

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:314309.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 681139.7/25

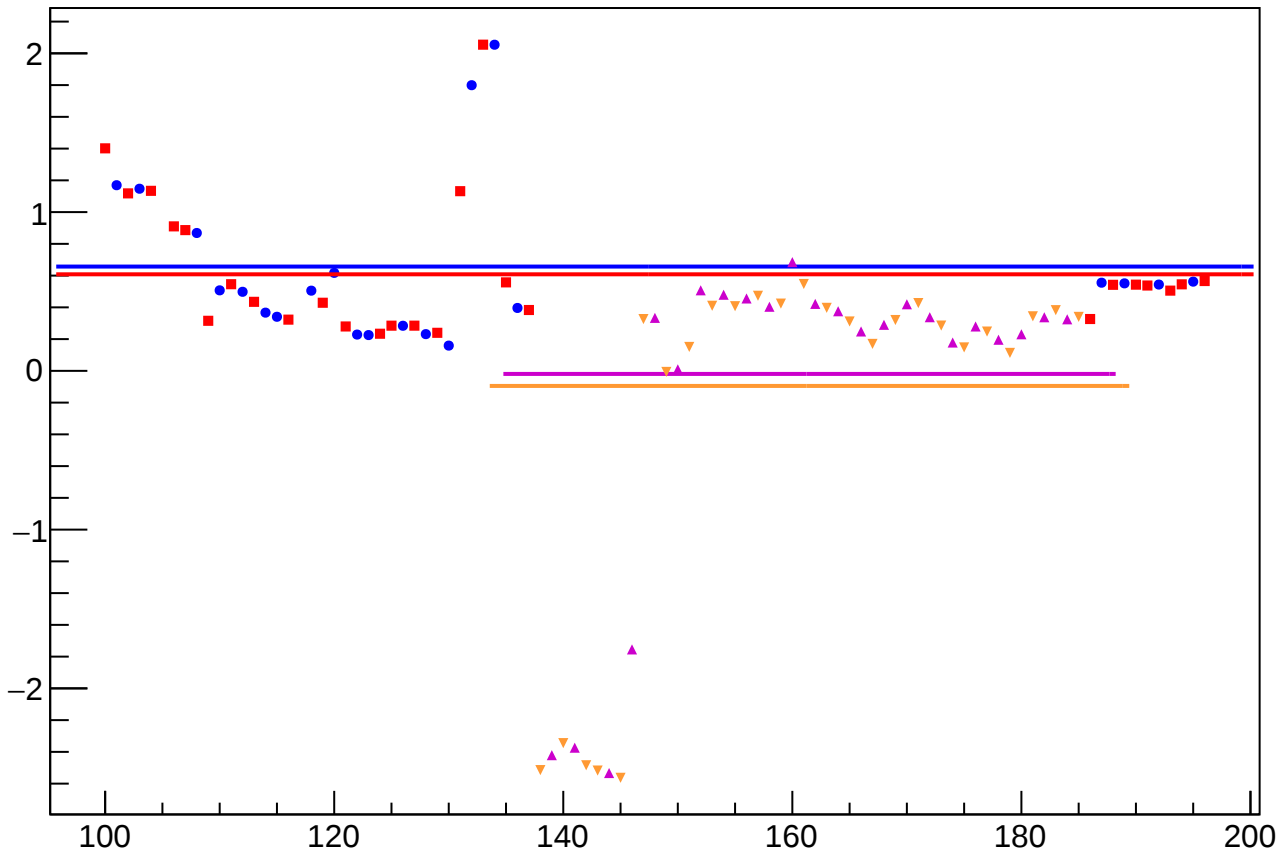
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:364512.1/22

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3362694.7/45

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 6899315.4/94

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 3524197.3/48

yield_bpm0l05X_mean vs Slug



Right In: 0.657 $\pm$ 0.000 χ^2 /NDF: 38302679204.6/20

Left Out: -0.095 $\pm$ 0.000 χ^2 /NDF: 505606573631.9/24

Right Out: 0.608 $\pm$ 0.000 χ^2 /NDF: 45194351922.9/25

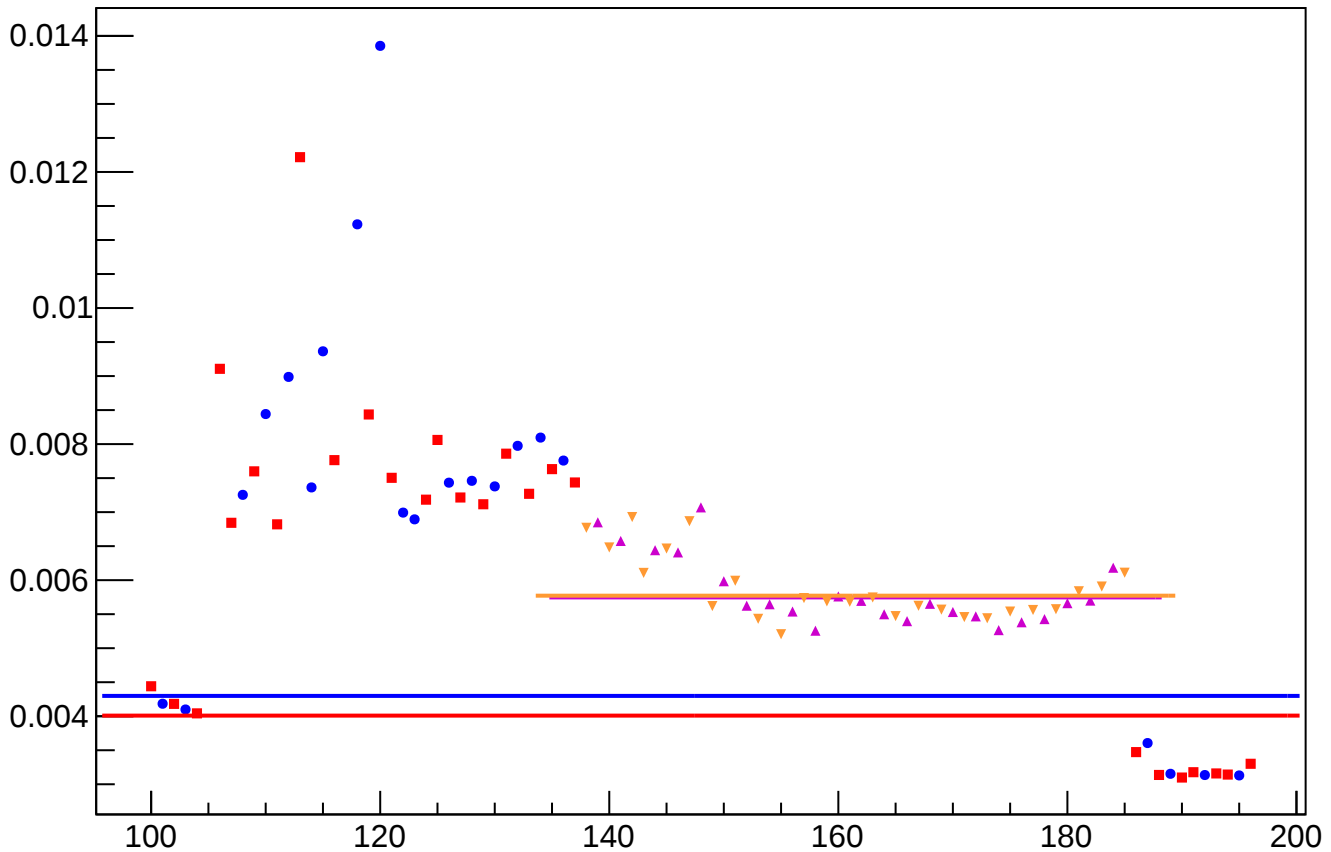
Left In: -0.019 $\pm$ 0.000 χ^2 /NDF: 417104863944.5/22

+ sign 0.218 $\pm$ 0.000 χ^2 /NDF: 665280533970.9/45

All: 0.270 $\pm$ 0.000 χ^2 /NDF: 1234871650051.0

- sign 0.313 $\pm$ 0.000 χ^2 /NDF: 565269572907.4/48

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 : 2993725.9/25

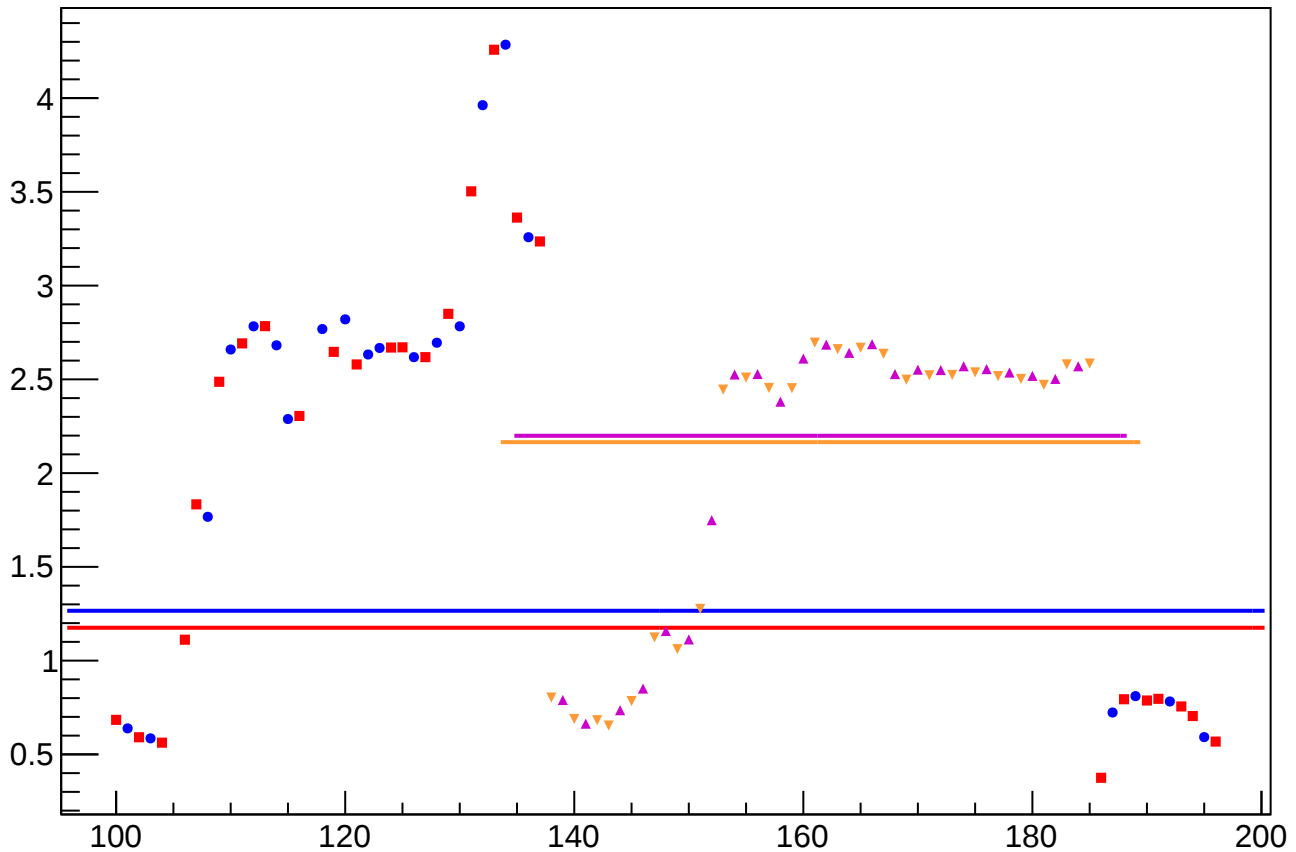
Left In: 0.006 +/- 0.000 χ^2/NDF : 204066.4/22

+ sign 0.005 +/- 0.000 χ^2/NDF : 3910253.7/45

All: 0.005 +/- 0.000 χ^2/NDF : 8792855.2/94

- sign 0.005 +/- 0.000 χ^2/NDF : 4776531.5/48

yield_bpm0l05Y_mean vs Slug



Right In: 1.266 ± 0.000 χ^2/NDF : 248051935544.6/20

Left Out: 2.165 ± 0.000 χ^2/NDF : 292800056899.6/24

Right Out: 1.175 ± 0.000 χ^2/NDF : 309692367706.0/25

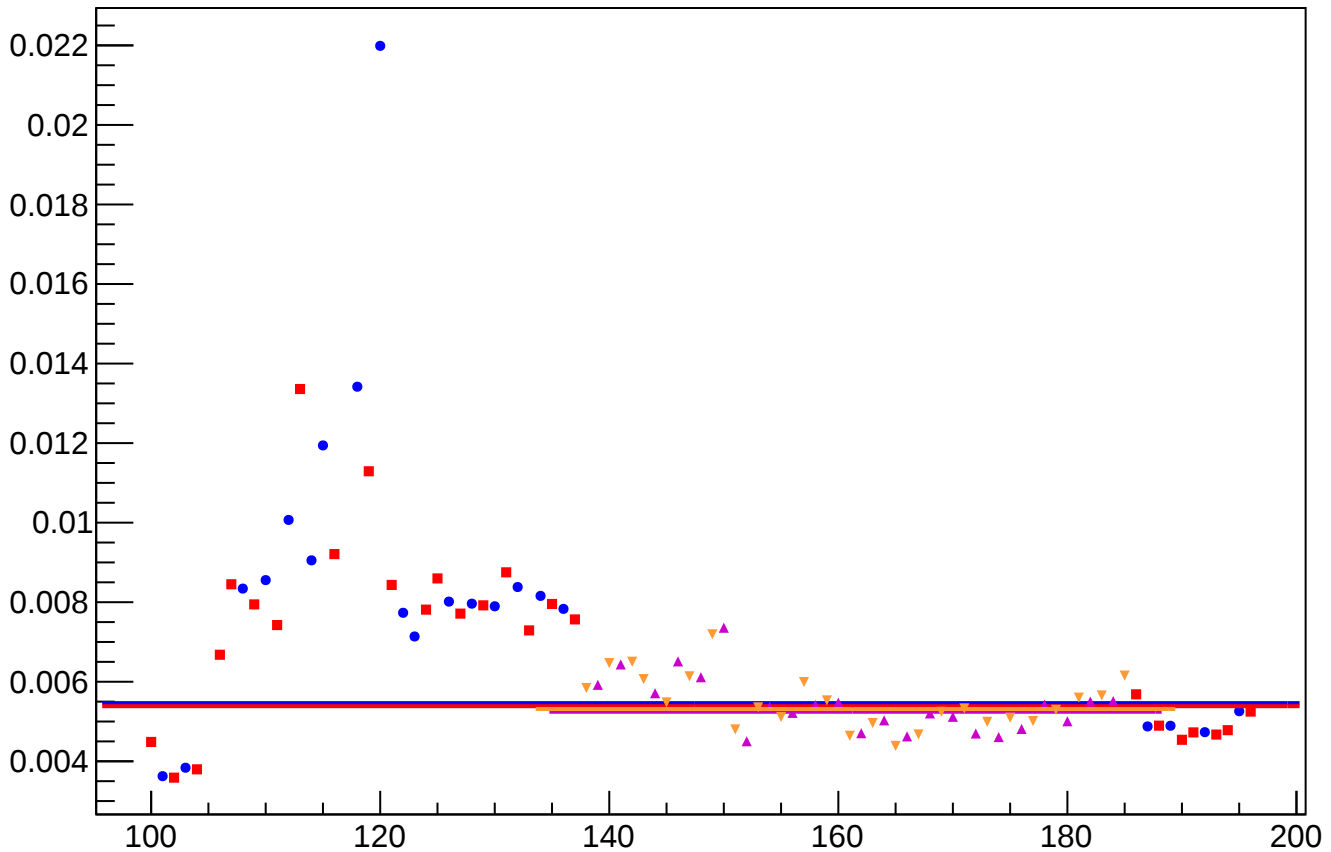
Left In: 2.199 ± 0.000 χ^2/NDF : 253166239065.4/22

+ sign 1.908 ± 0.000 χ^2/NDF : 676788194510.4/45

All: 1.868 ± 0.000 χ^2/NDF : 1457654472932.0/48

- sign 1.831 ± 0.000 χ^2/NDF : 778370791289.8/48

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 : 1875931.8/25

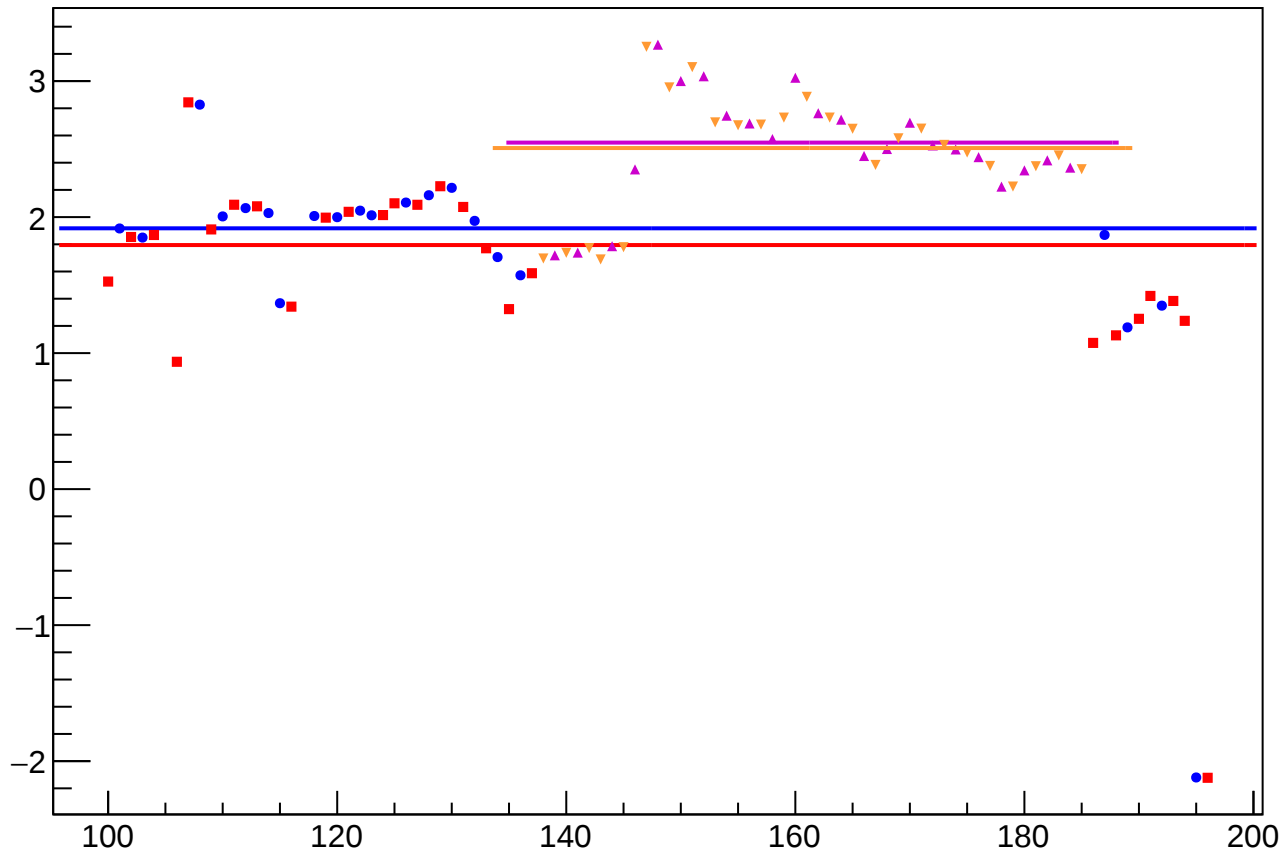
Left In: 0.005+/-0.000 χ^2/NDF :425864.8/22

+ sign 0.005+/-0.000 χ^2/NDF : 2409572.3/45

All: 0.005+/-0.000 χ^2/NDF : 4722654.0/94

- sign 0.005+/-0.000 χ^2/NDF : 2309816.1/48

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: 1.794 $\pm$ 0.000 χ^2 /NDF: 51199147771.6/25

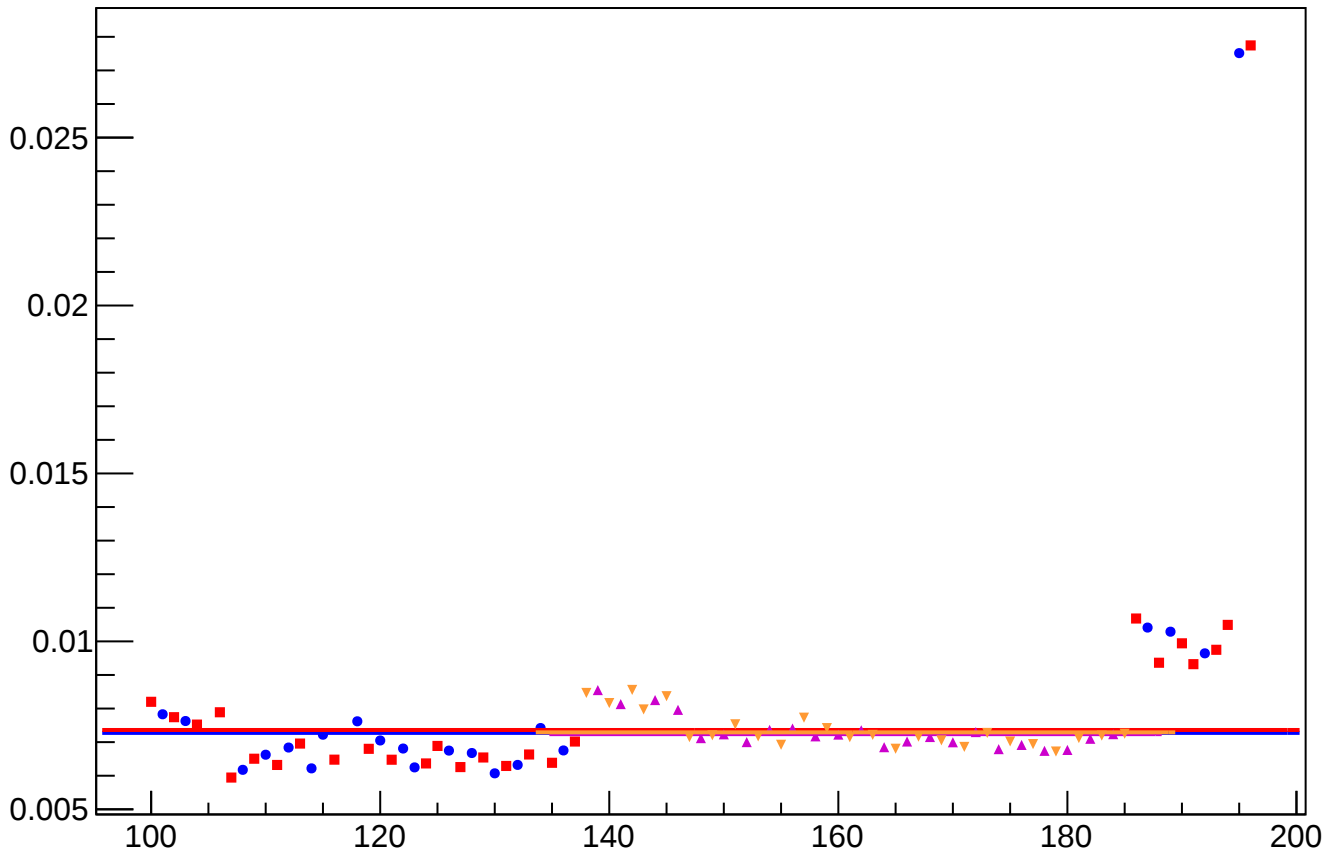
Left In: 2.548 $\pm$ 0.000 χ^2 /NDF: 45350336058.7/22

+ sign 2.321 $\pm$ 0.000 χ^2 /NDF: 125626527044.5/45

All: 2.294 $\pm$ 0.000 χ^2 /NDF: 289418271781.5

- sign 2.269 $\pm$ 0.000 χ^2 /NDF: 163134191303.7/48

yield_bpm0l06X_rms vs Slug



Right In: 0.007 ± 0.000 χ^2/NDF : 1253646.0/20

Left Out: 0.007 ± 0.000 χ^2/NDF : 140788.4/24

Right Out: 0.007 ± 0.000 χ^2/NDF : 1502009.3/25

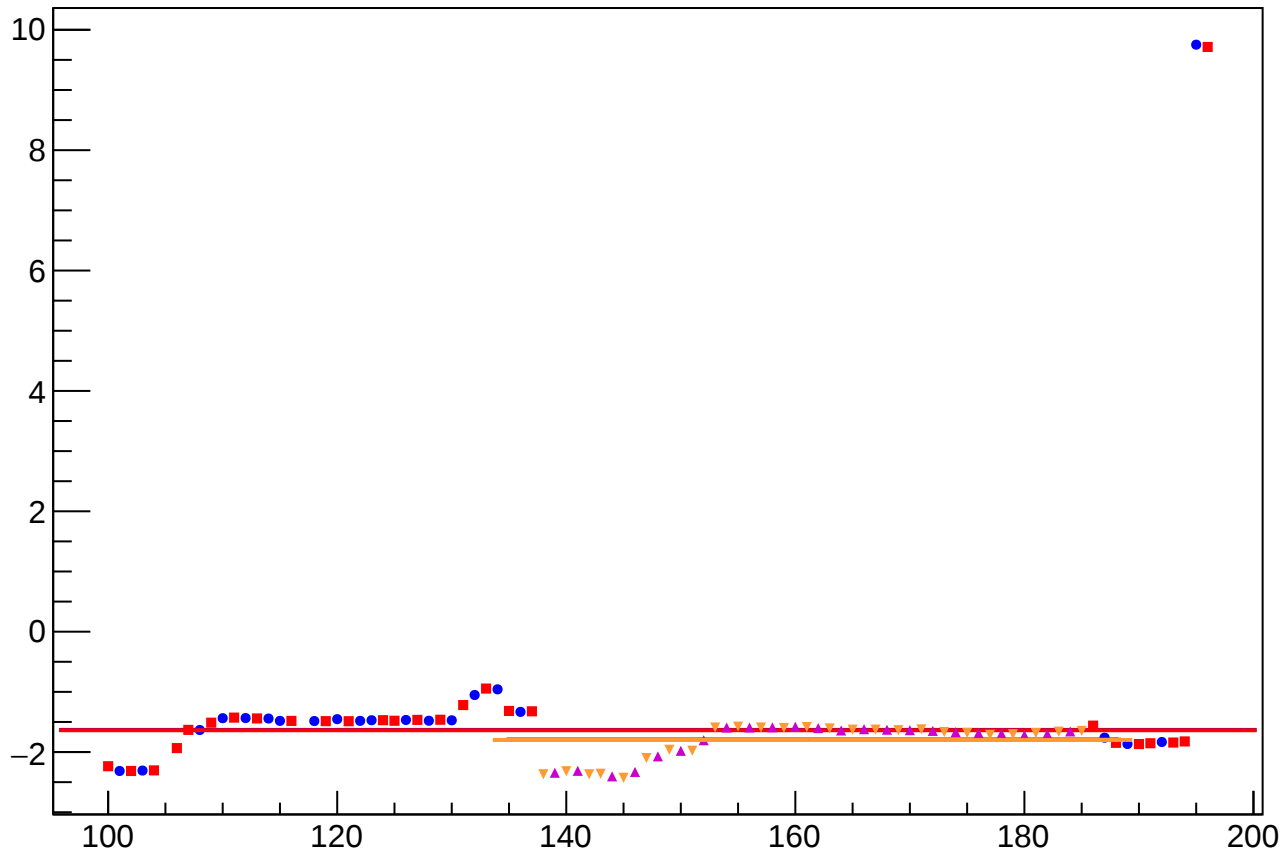
Left In: 0.007 ± 0.000 χ^2/NDF : 125233.2/22

+ sign 0.007 ± 0.000 χ^2/NDF : 1394489.3/45

All: 0.007 ± 0.000 χ^2/NDF : 3025327.0/94

- sign 0.007 ± 0.000 χ^2/NDF : 1630834.5/48

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: -1.637+/-0.000 χ^2/NDF : 185652356273.6/25

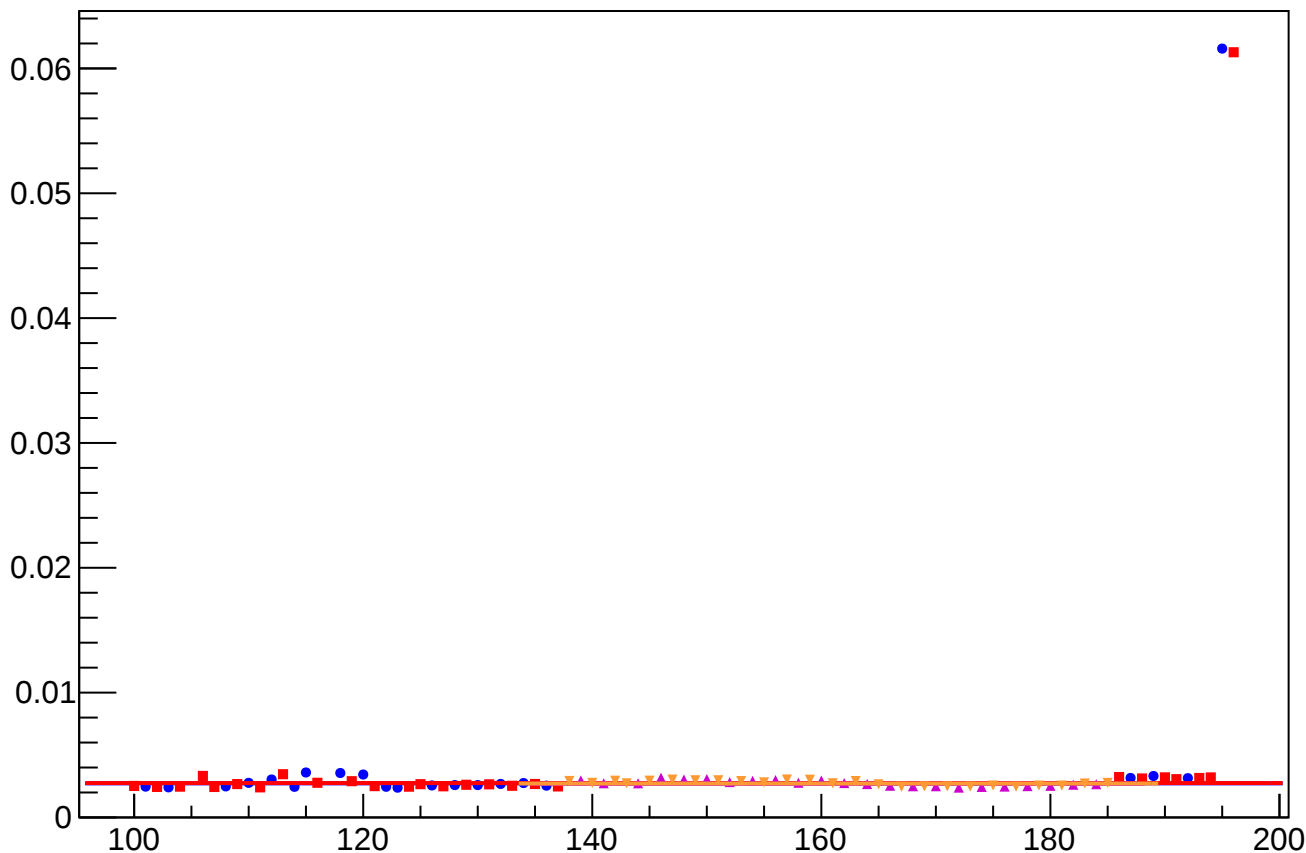
Left In: -1.790+/-0.000 χ^2/NDF : 159648935510.8/22

+ sign -1.748+/-0.000 χ^2/NDF : 381229287063.3/45

All: -1.741+/-0.000 χ^2/NDF : 746082359296.9

- sign -1.735+/-0.000 χ^2/NDF : 364549839980.6/48

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 1764256.3/20

Left Out: 0.003+/-0.000 χ^2/NDF :199695.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 1687616.2/25

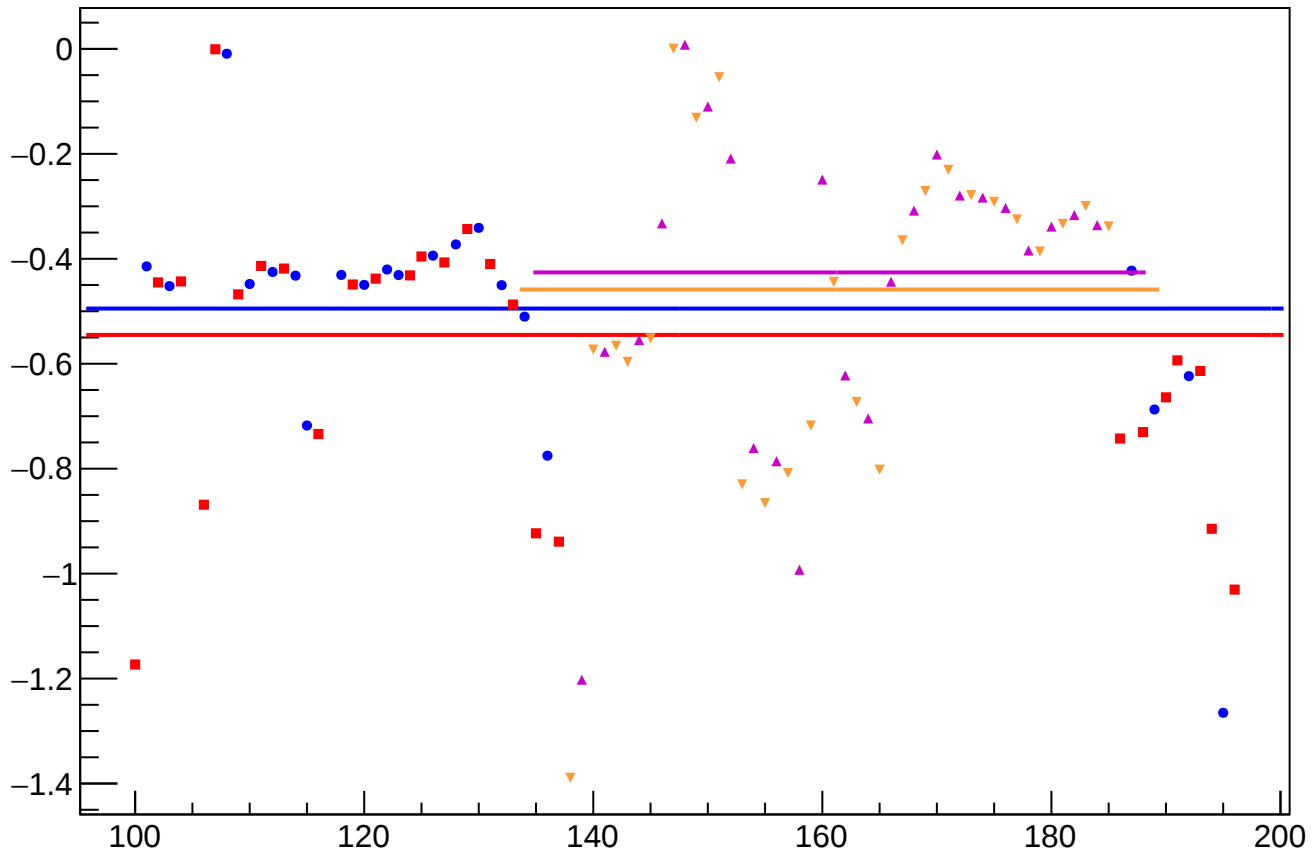
Left In: 0.003+/-0.000 χ^2/NDF :220327.9/22

+ sign 0.003+/-0.000 χ^2/NDF : 1964243.0/45

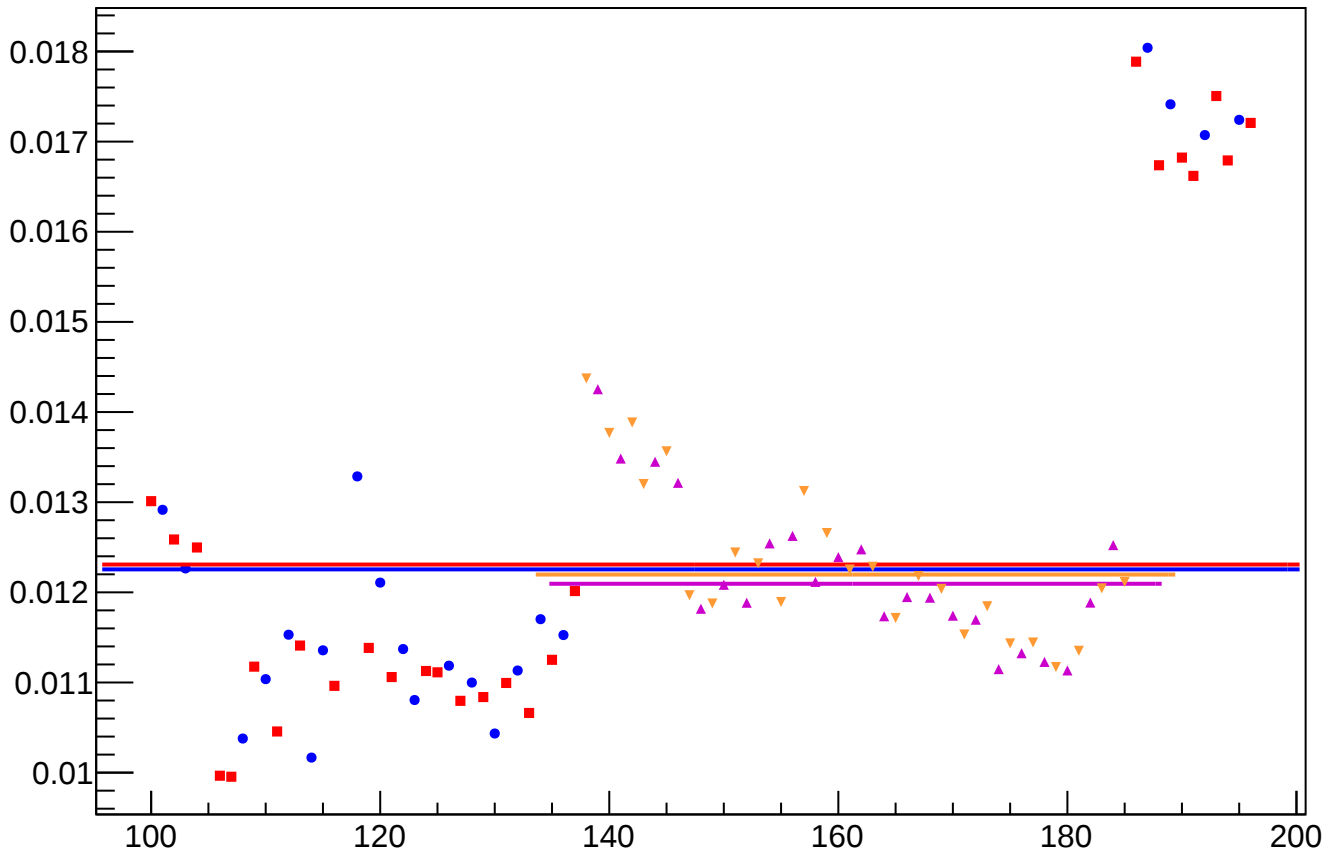
All: 0.003+/-0.000 χ^2/NDF : 3876784.9/94

- sign 0.003+/-0.000 χ^2/NDF : 1912519.4/48

yield_bpm0l07X_mean vs Slug



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: 866707.5/25

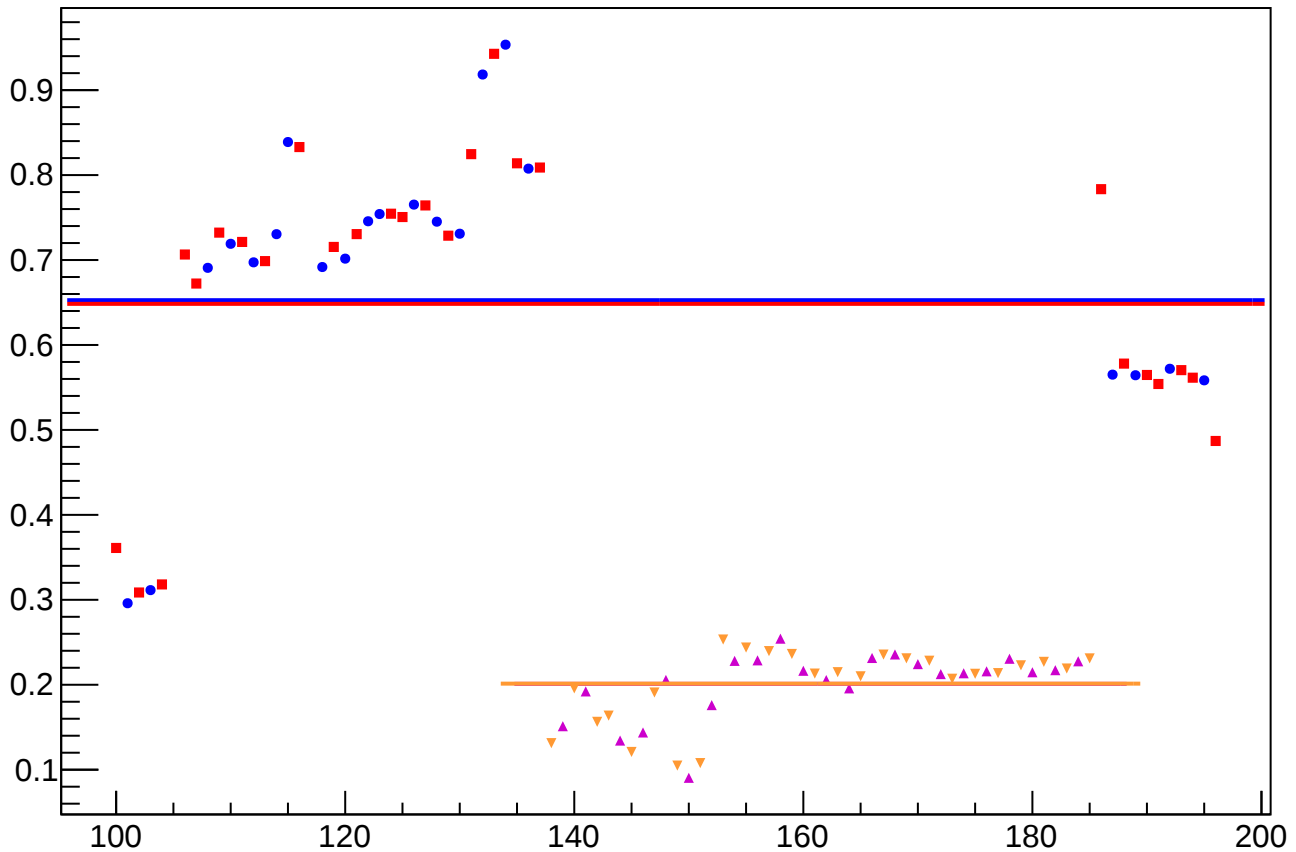
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:127308.3/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 659824.3/45

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 1658066.7/94

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 997967.4/48

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

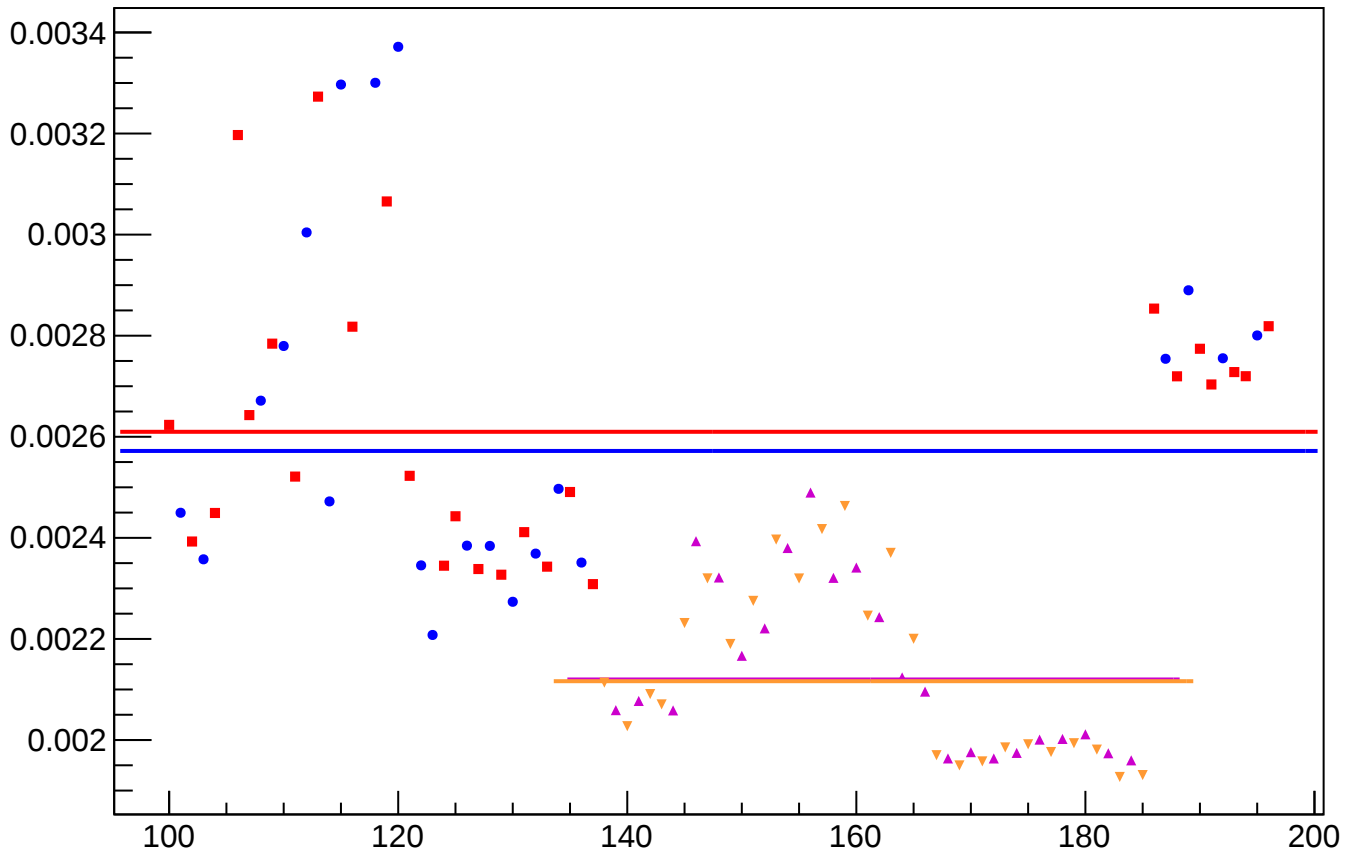
Right Out: 0.648 $\pm$ 0.000 χ^2 /NDF: 42961713603.2/25

All: 0.322 $\pm$ 0.000 χ^2 /NDF: 523165277141.8

Left In: 0.201 $\pm$ 0.000 χ^2 /NDF: 5671770181.2/22

- sign 0.332 $\pm$ 0.000 χ^2 /NDF: 272500809092.1/48

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 : 168427.9/25

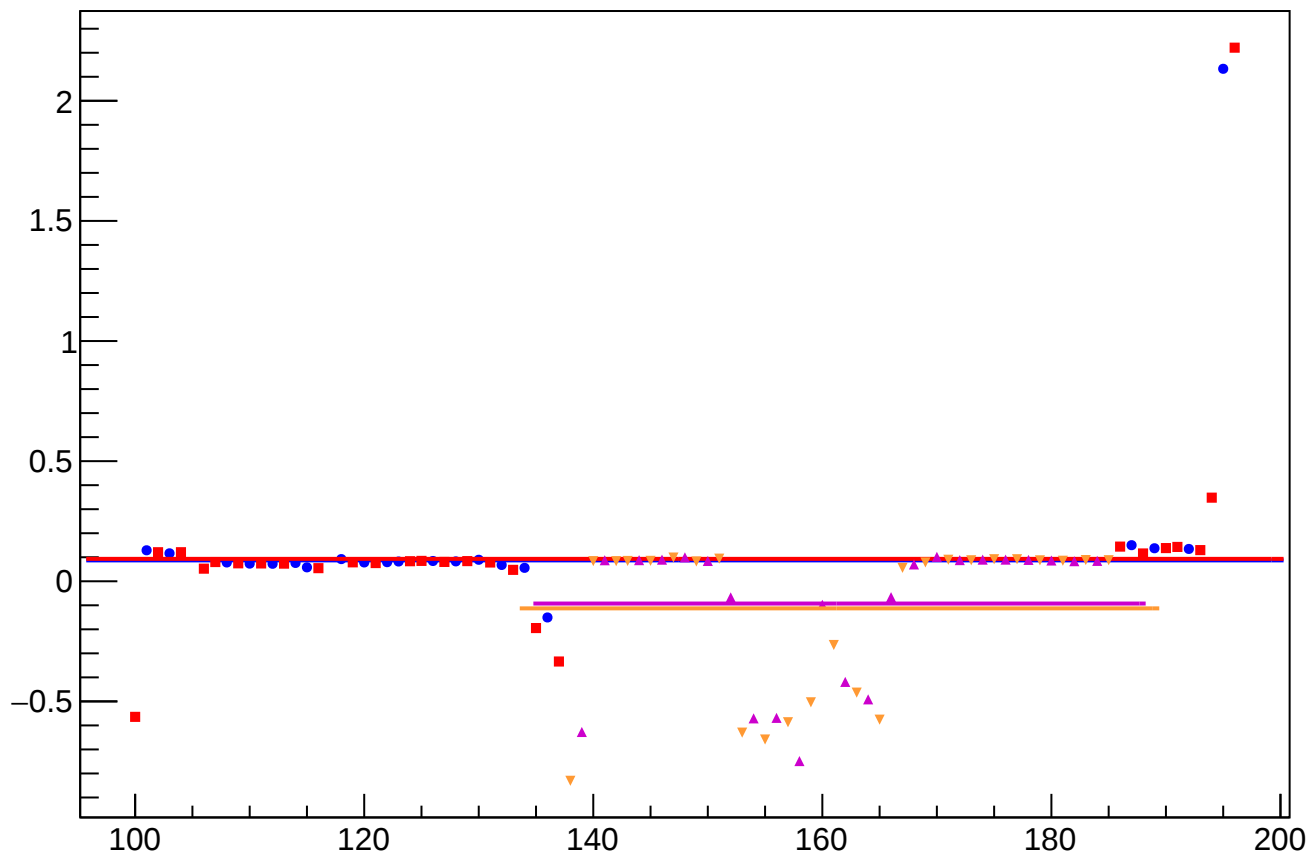
Left In: 0.002+/-0.000 χ^2/NDF :189228.6/22

+ sign 0.002+/-0.000 χ^2/NDF : 848100.8/45

All: 0.002+/-0.000 χ^2/NDF : 1750097.8/94

- sign 0.002+/-0.000 χ^2/NDF : 894931.7/48

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: 0.093+/-0.000 χ^2/NDF : 6427261867.1/25

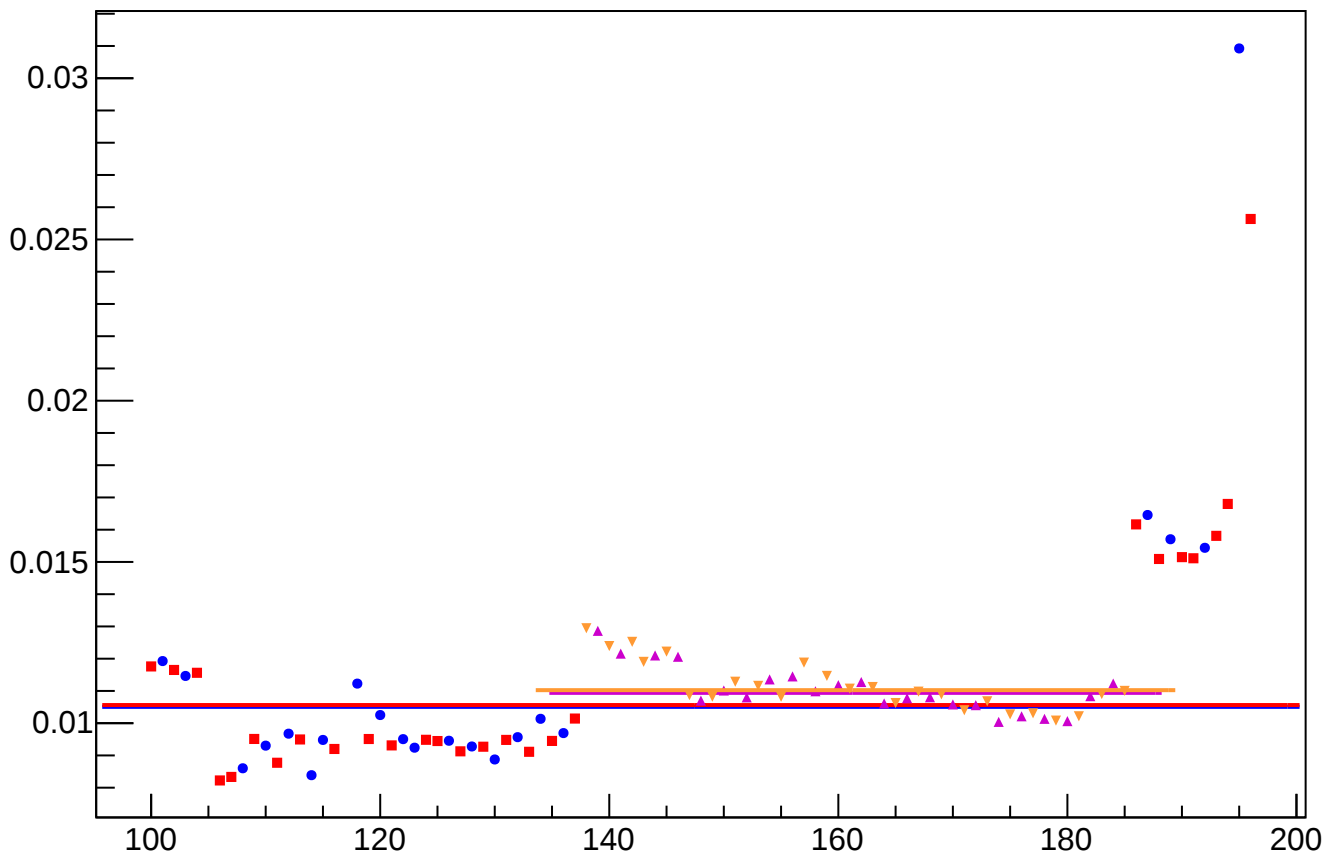
Left In: -0.093+/-0.000 χ^2/NDF :11051944893.7/22

+ sign -0.045+/-0.000 χ^2/NDF : 19802077789.0/45

All: -0.032+/-0.000 χ^2/NDF : 39269537205.1/48

- sign -0.019+/-0.000 χ^2/NDF : 19388978693.3/48

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: 0.011 ± 0.000 χ^2/NDF : 1555564.7/25

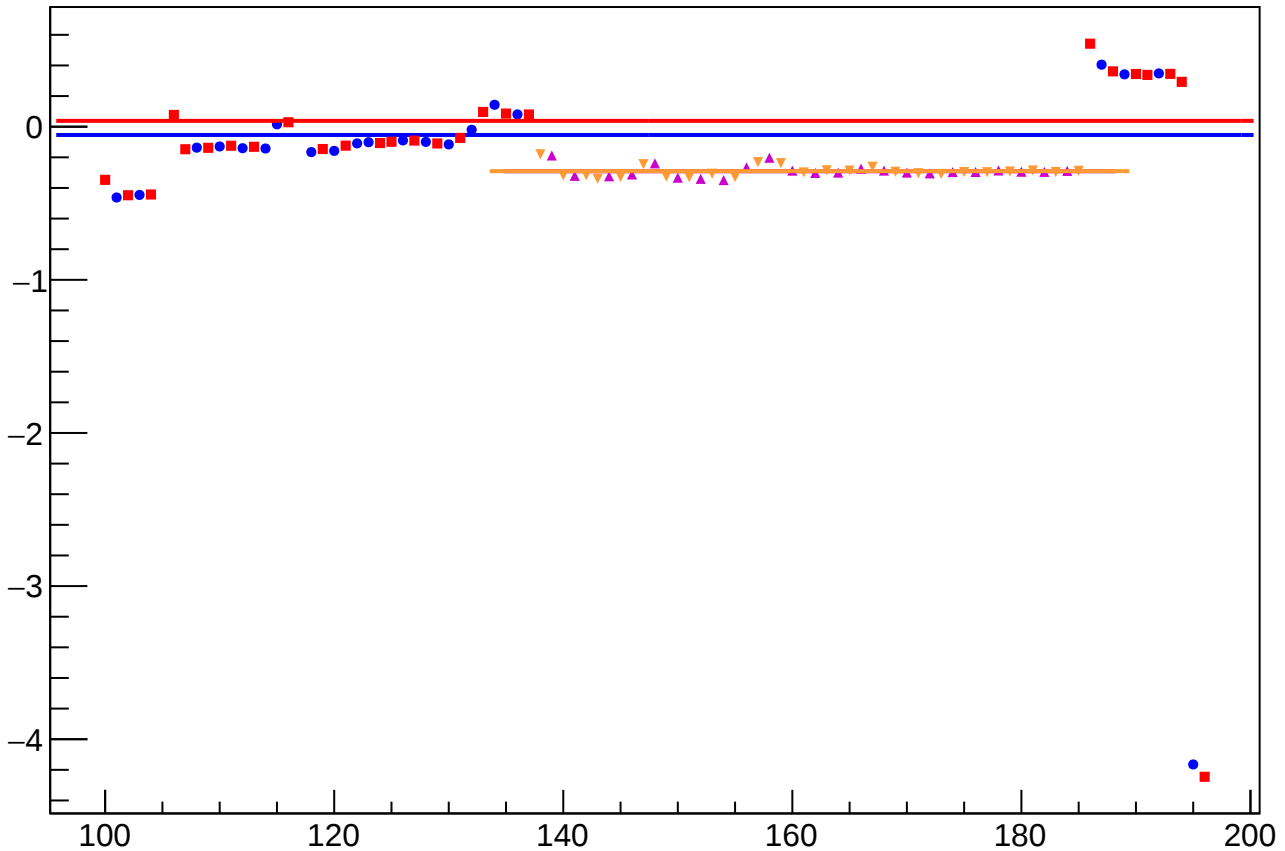
Left In: 0.011 ± 0.000 χ^2/NDF : 128914.2/22

+ sign 0.011 ± 0.000 χ^2/NDF : 1410661.2/45

All: 0.011 ± 0.000 χ^2/NDF : 3111698.1/94

- sign 0.011 ± 0.000 χ^2/NDF : 1700266.8/48

yield_bpm0l08Y_mean vs Slug



Right In: -0.054 ± 0.000 χ^2/NDF : 53894130535.3/20

Left Out: -0.290 ± 0.000 χ^2/NDF : 2877519093.0/24

Right Out: 0.038 ± 0.000 χ^2/NDF : 77035770966.4/25

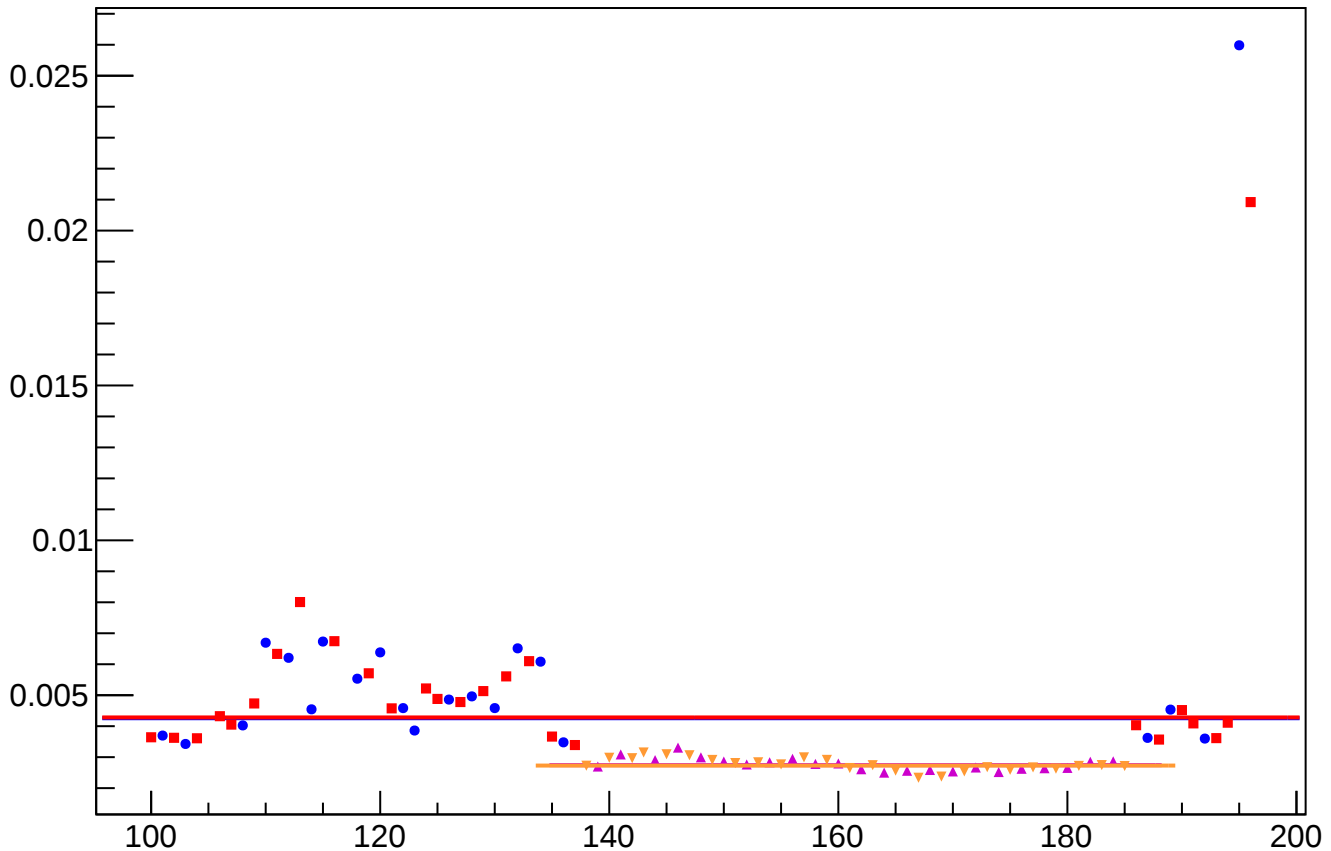
Left In: -0.291 ± 0.000 χ^2/NDF : 3125402243.3/22

+ sign -0.255 ± 0.000 χ^2/NDF : 76365106225.8/45

All: -0.242 ± 0.000 χ^2/NDF : 203044891607.2

- sign -0.228 ± 0.000 χ^2/NDF : 125684314336.5/48

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: 1743979.1/25

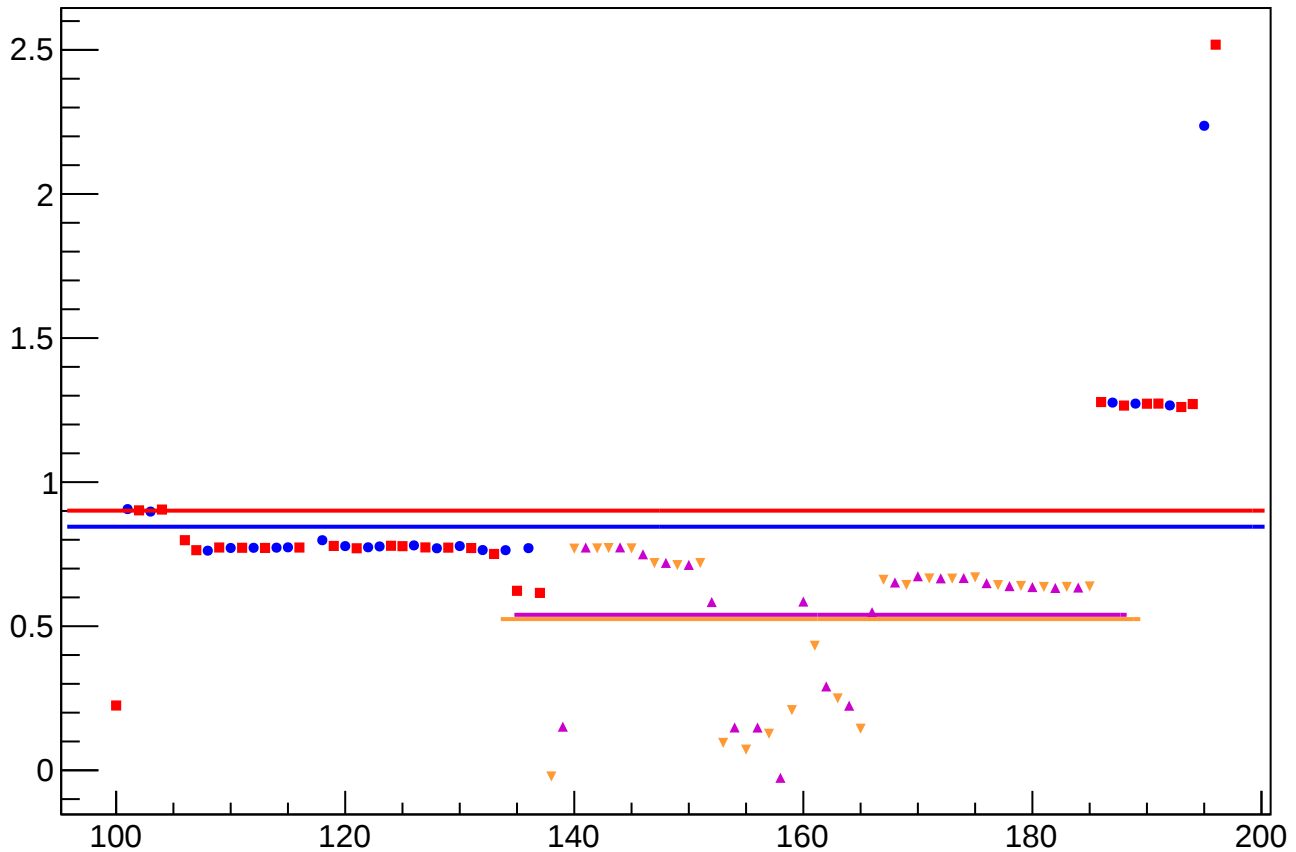
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:147778.8/22

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 3709237.3/45

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 7609354.4/94

- sign 0.003 $\pm$ 0.000 χ^2 /NDF: 3882404.5/48

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: 0.901 $\pm$ 0.000 χ^2 /NDF: 8001848011.6/25

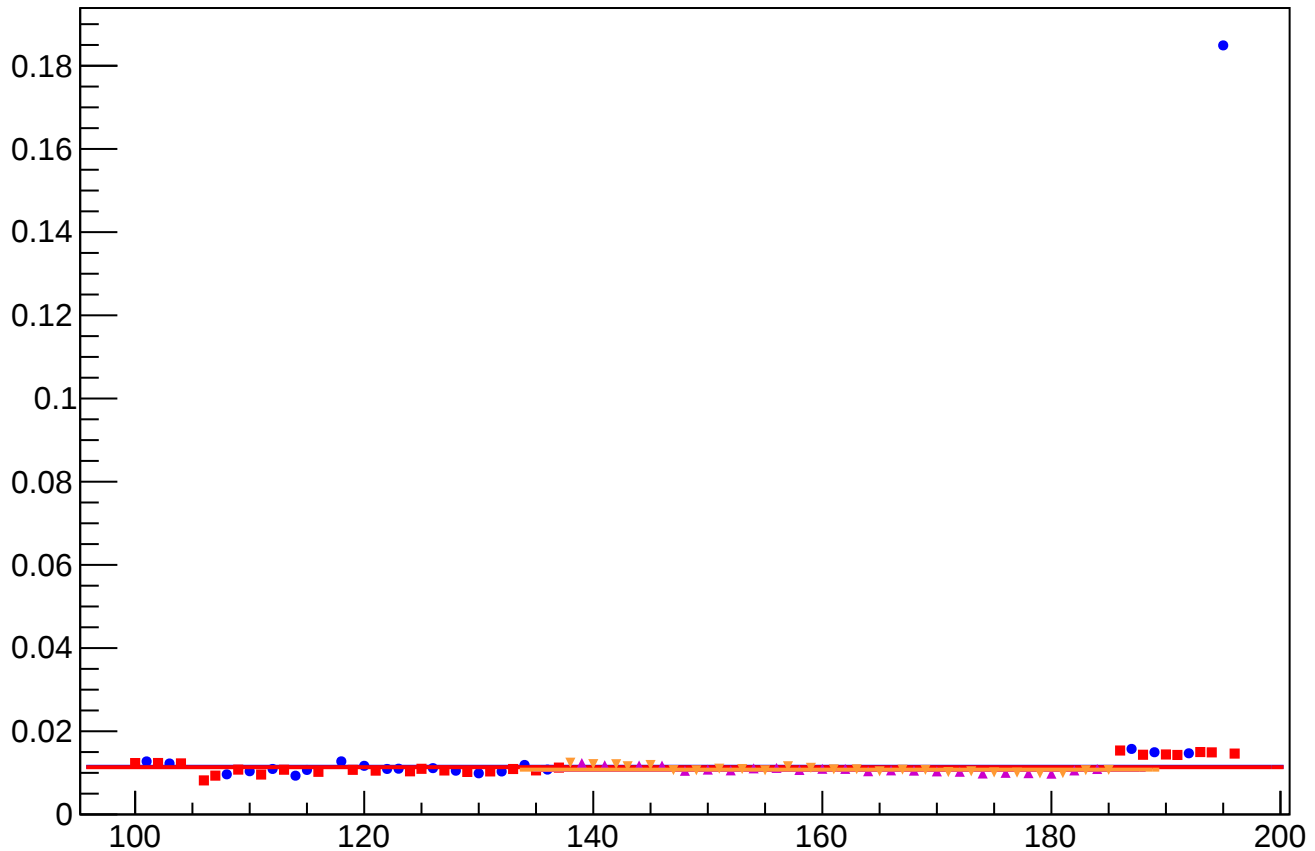
Left In: 0.540 $\pm$ 0.000 χ^2 /NDF: 7860539135.5/22

+ sign 0.616 $\pm$ 0.000 χ^2 /NDF: 15609806869.1/45

All: 0.642 $\pm$ 0.000 χ^2 /NDF: 38437345883.8/9

- sign 0.666 $\pm$ 0.000 χ^2 /NDF: 22546637740.0/48

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: 582457.1/25

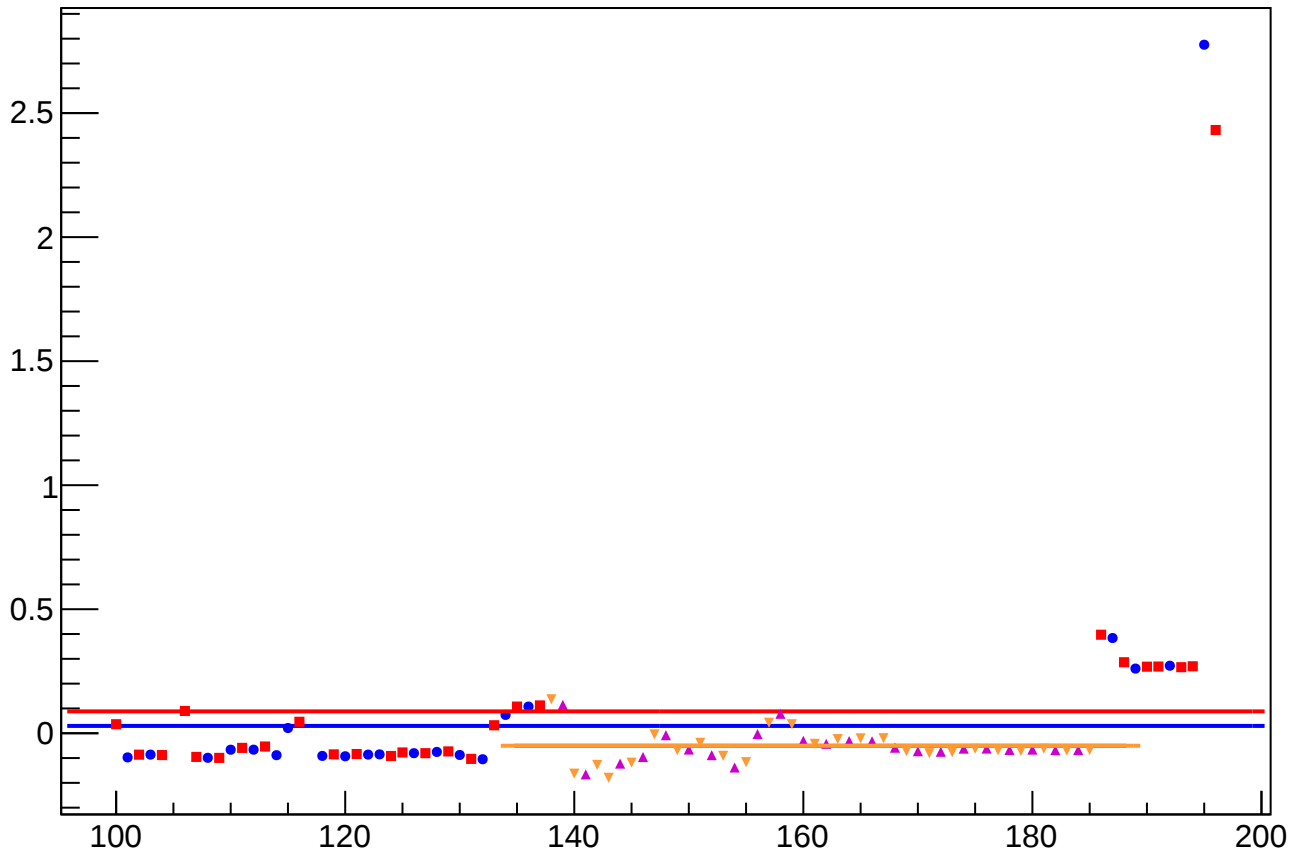
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:119273.2/22

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 1935763.2/45

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 2683462.1/94

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 747362.1/48

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

Right Out: 0.088+/-0.000 χ^2/NDF : 22477366777.3/25

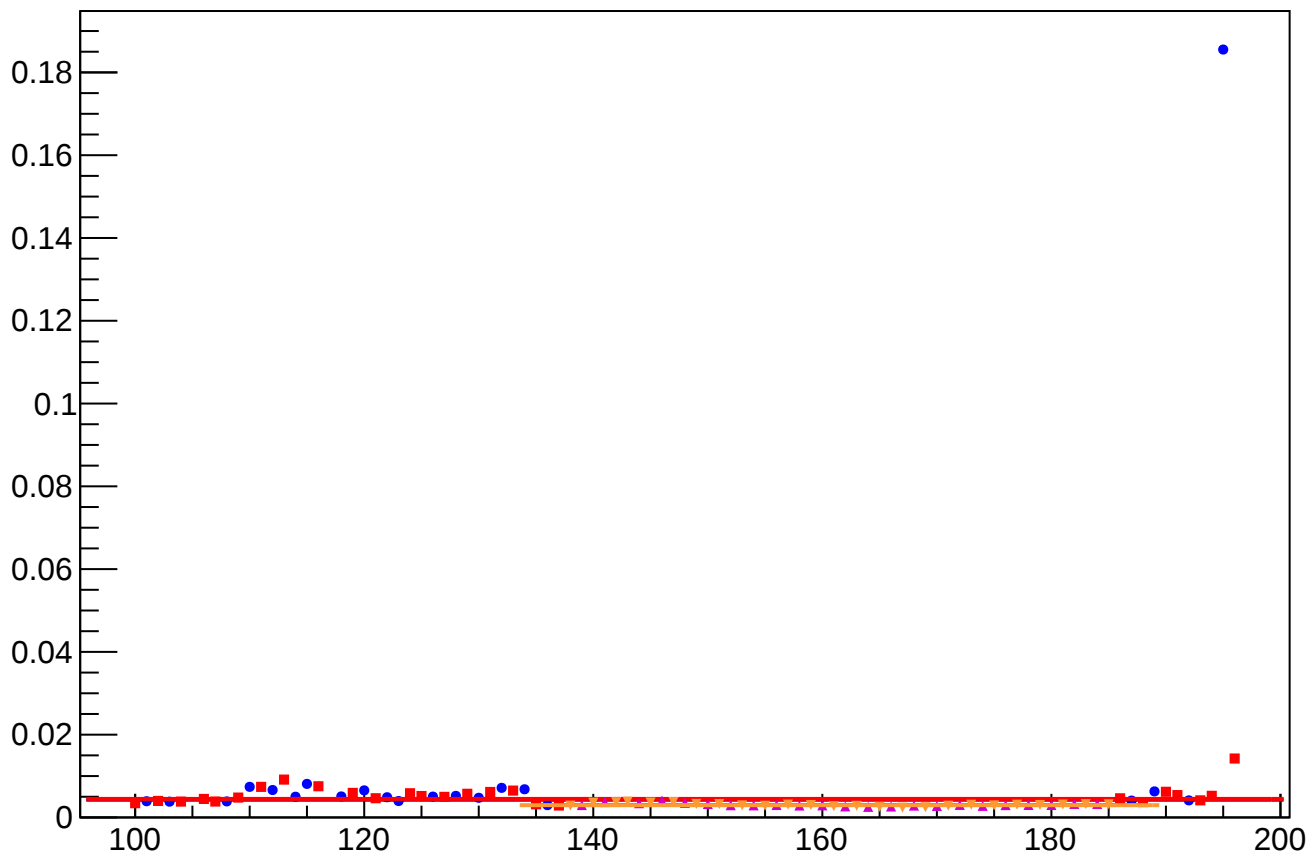
Left In: -0.051+/-0.000 χ^2/NDF : 6128769990.8/22

+ sign -0.037+/-0.000 χ^2/NDF : 17511314337.2/45

All: -0.030+/-0.000 χ^2/NDF : 53165190745.9

- sign -0.023+/-0.000 χ^2/NDF : 35418152410.3/48

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 : 1483630.1/25

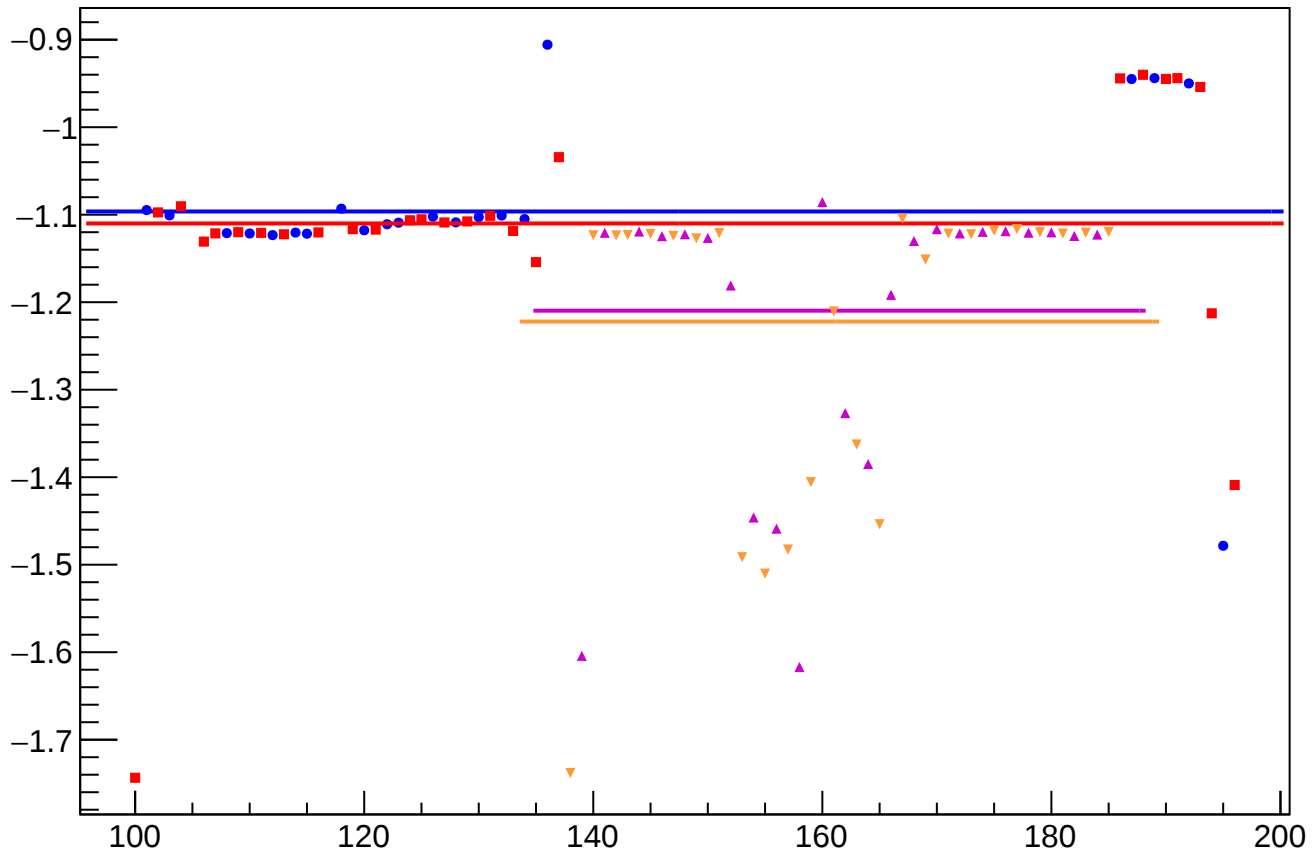
Left In: 0.003+/-0.000 χ^2/NDF : 329068.1/22

+ sign 0.003+/-0.000 χ^2/NDF : 4173966.7/45

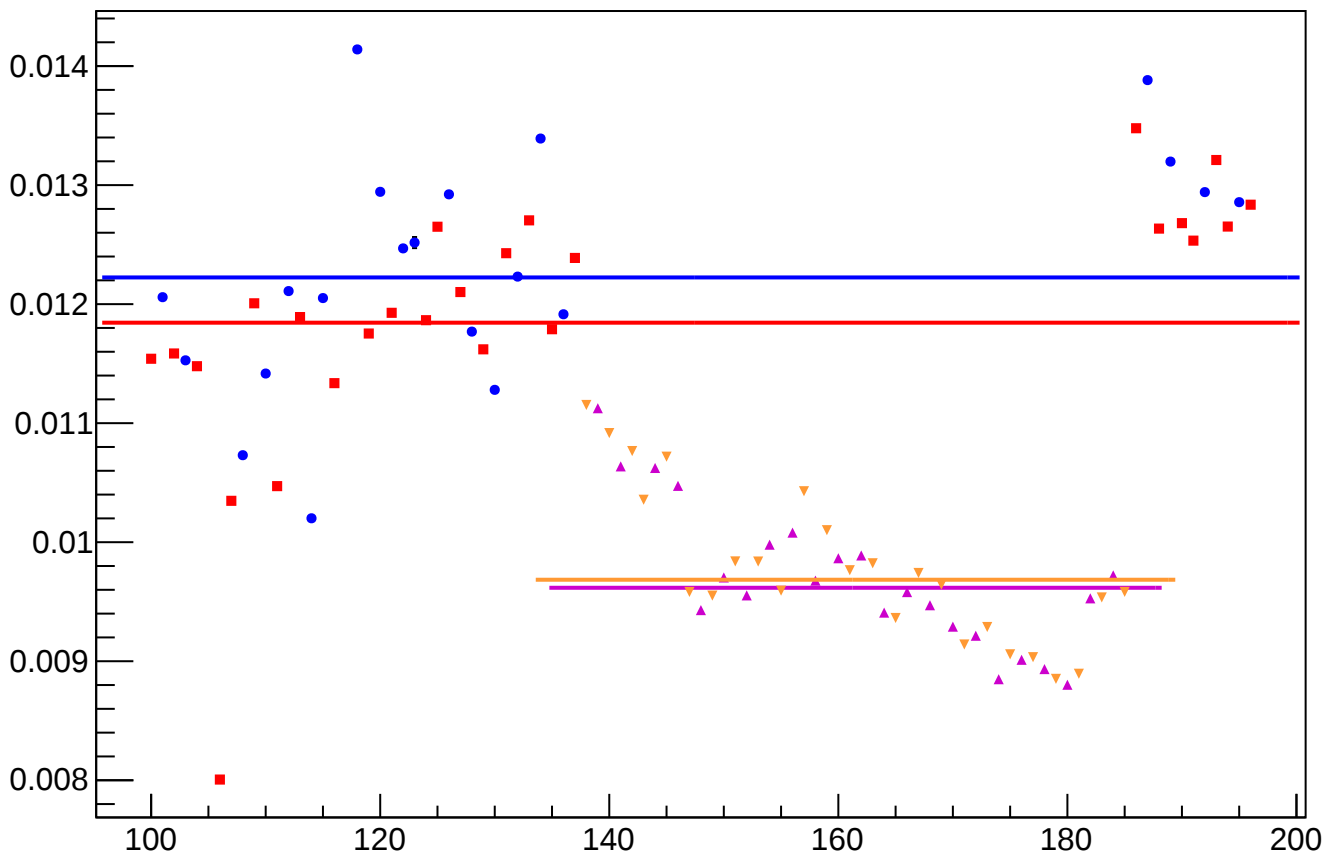
All: 0.003+/-0.000 χ^2/NDF : 7554718.4/94

- sign 0.003+/-0.000 χ^2/NDF : 3348550.5/48

yield_bpm0l10X_mean vs Slug



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: 229522.4/25

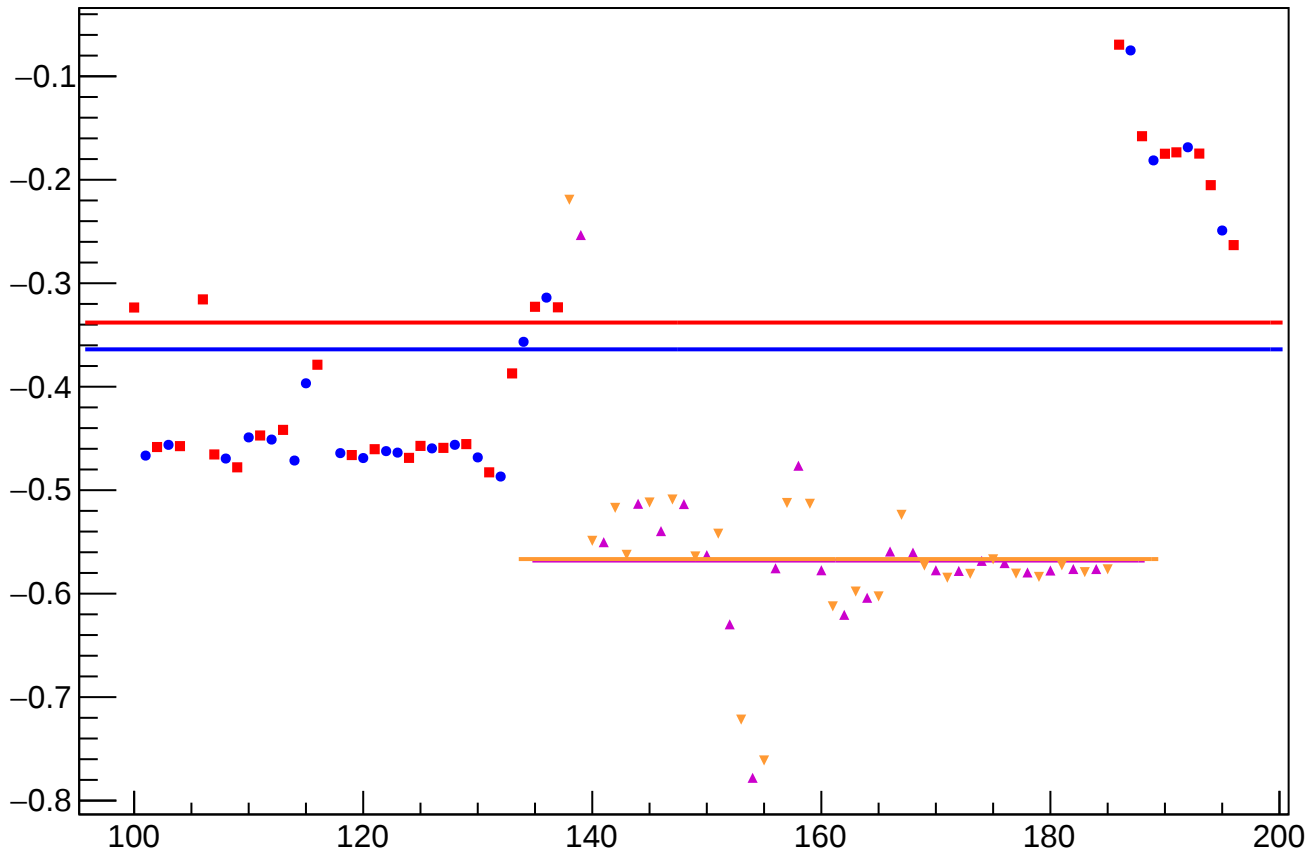
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:119823.1/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 793313.7/45

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 1683690.8/94

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 890373.2/48

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: -0.338 ± 0.000 χ^2/NDF : 10317138615.2/25

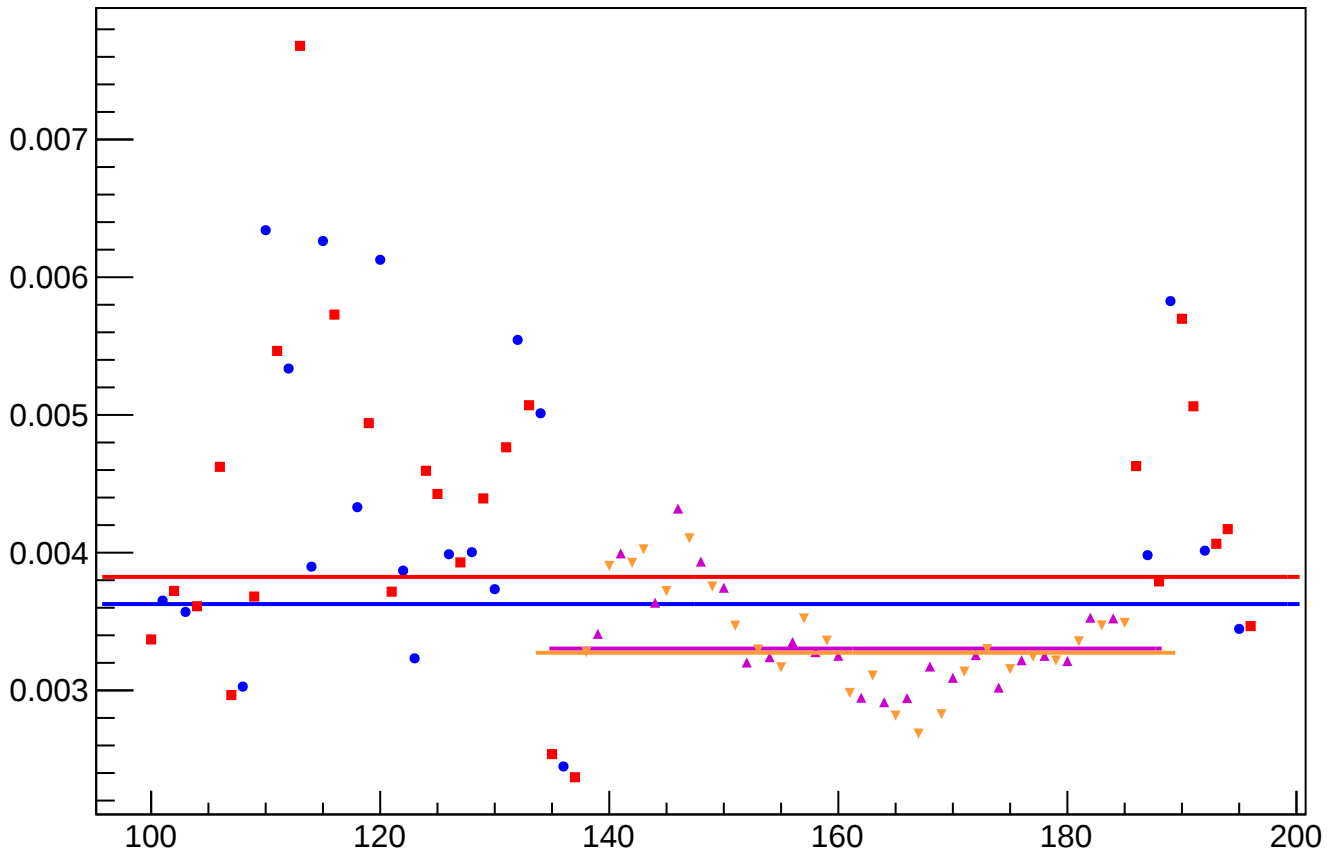
Left In: -0.568 ± 0.000 χ^2/NDF : 10458990019.9/22

+ sign -0.513 ± 0.000 χ^2/NDF : 38152156871.7/45

All: -0.505 ± 0.000 χ^2/NDF : 83480824010.0/46

- sign -0.497 ± 0.000 χ^2/NDF : 45044962647.8/48

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 991126.4/20

Left Out: 0.003+/-0.000 χ^2/NDF :394865.4/24

Right Out: 0.004+/-0.000 χ^2/NDF : 1045980.6/25

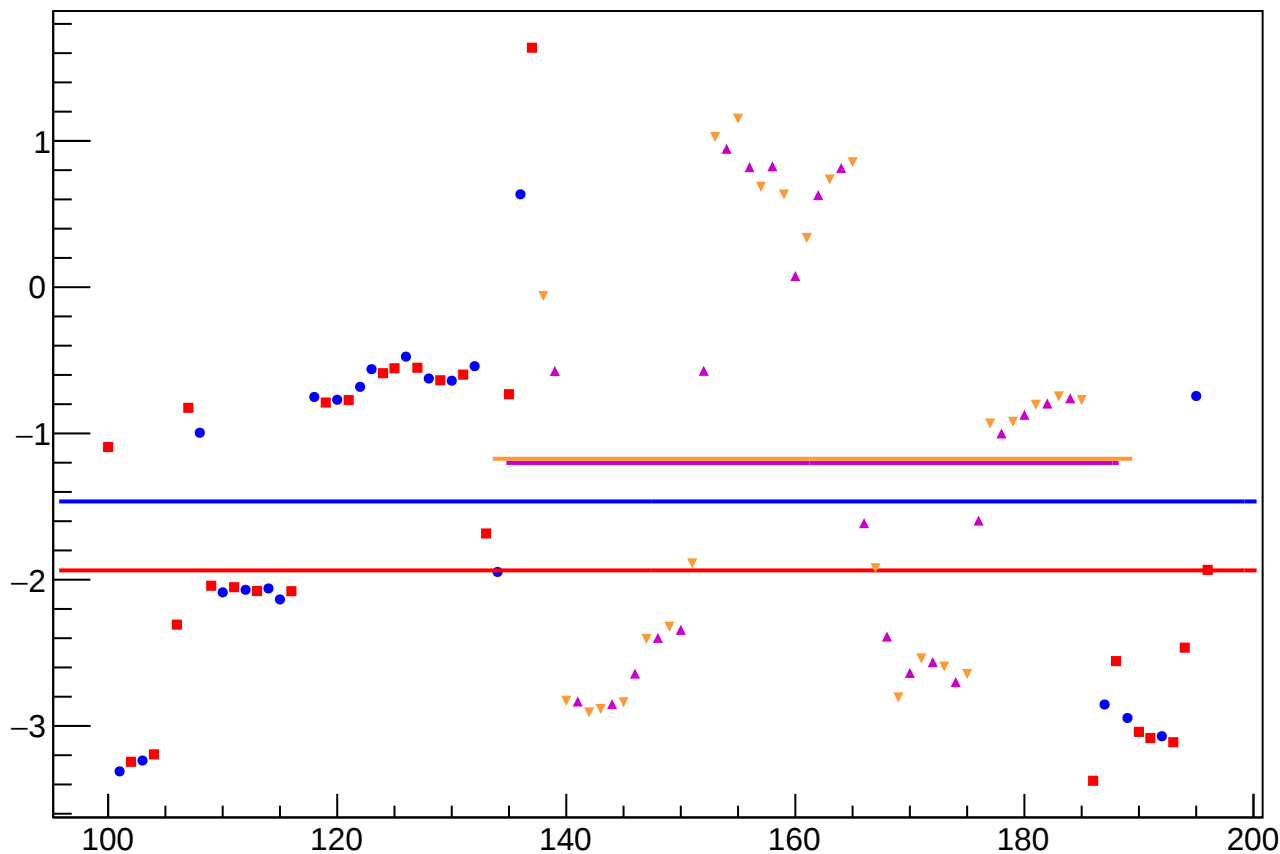
Left In: 0.003+/-0.000 χ^2/NDF :286064.1/22

+ sign 0.003+/-0.000 χ^2/NDF : 1492017.8/45

All: 0.003+/-0.000 χ^2/NDF : 3093332.7/94

- sign 0.003+/-0.000 χ^2/NDF : 1580520.8/48

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: -1.936+/-0.000 χ^2/NDF : 2507136769.1/25

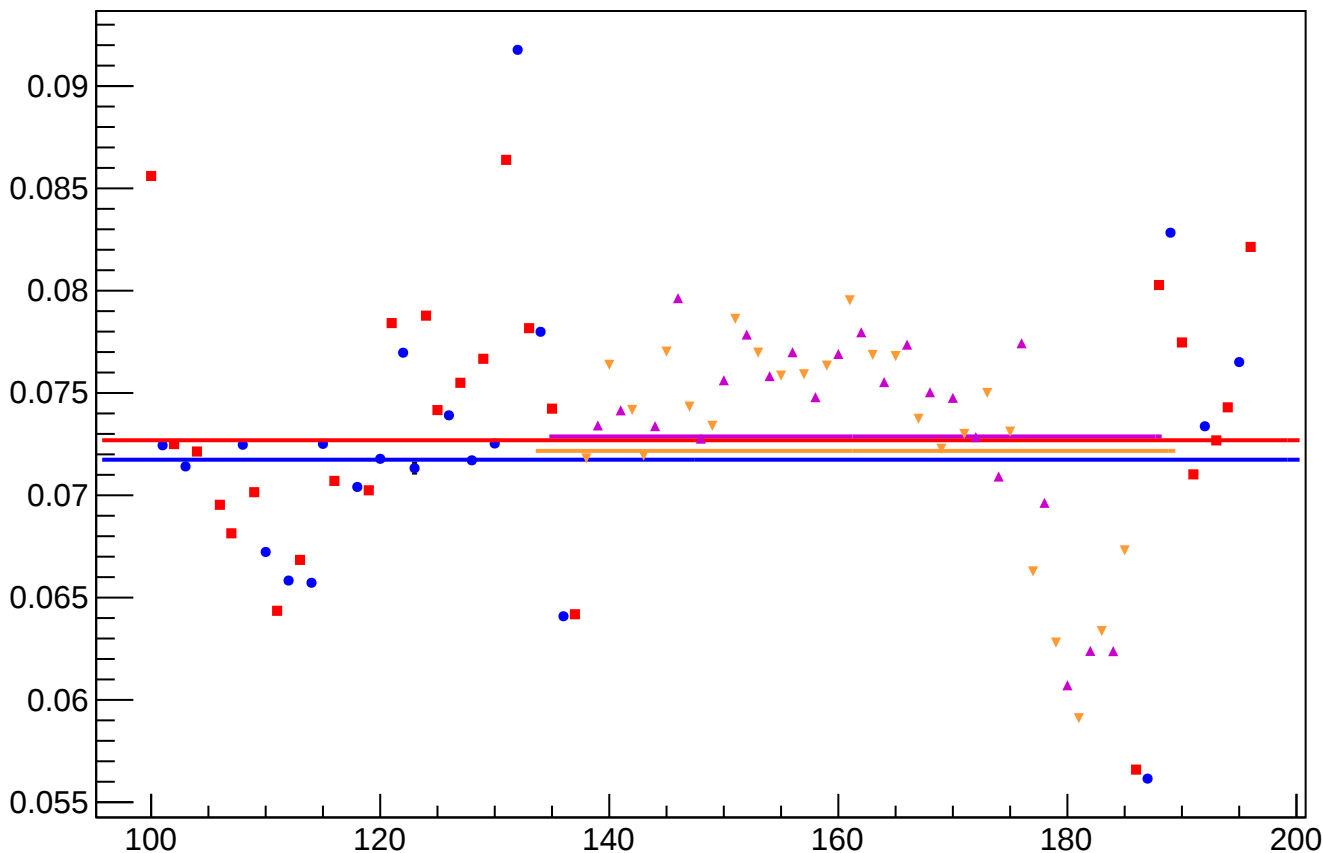
Left In: -1.202+/-0.000 χ^2/NDF : 5606782515.9/22

+ sign -1.270+/-0.000 χ^2/NDF : 9795755520.9/45

All: -1.383+/-0.000 χ^2/NDF : 18722473672.5/45

- sign -1.493+/-0.000 χ^2/NDF : 8796849924.1/48

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: 0.073 $\pm$ 0.000 χ^2 /NDF: 169279.6/25

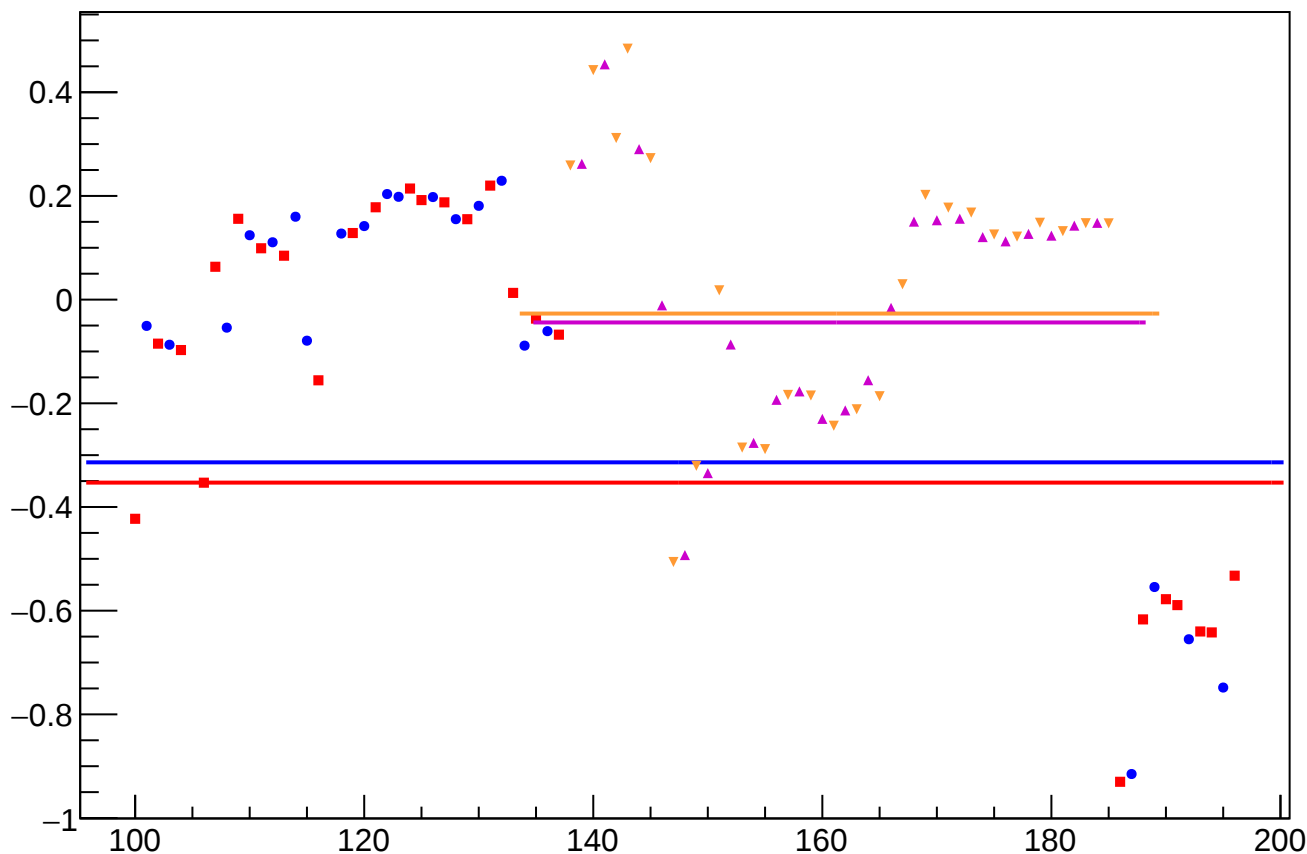
Left In: 0.073 $\pm$ 0.000 χ^2 /NDF:183503.0/22

+ sign 0.072 $\pm$ 0.000 χ^2 /NDF: 347160.8/45

All: 0.072 $\pm$ 0.000 χ^2 /NDF: 703183.2/94

- sign 0.073 $\pm$ 0.000 χ^2 /NDF: 352870.7/48

yield_bpm0r03Y_mean vs Slug



Right In: -0.314 ± 0.000 $\chi^2/\text{NDF}: 11912854624.3/20$

Left Out: -0.027 ± 0.000 $\chi^2/\text{NDF}: 20376761328.6/24$

Right Out: -0.353 ± 0.000 $\chi^2/\text{NDF}: 10892798843.5/25$

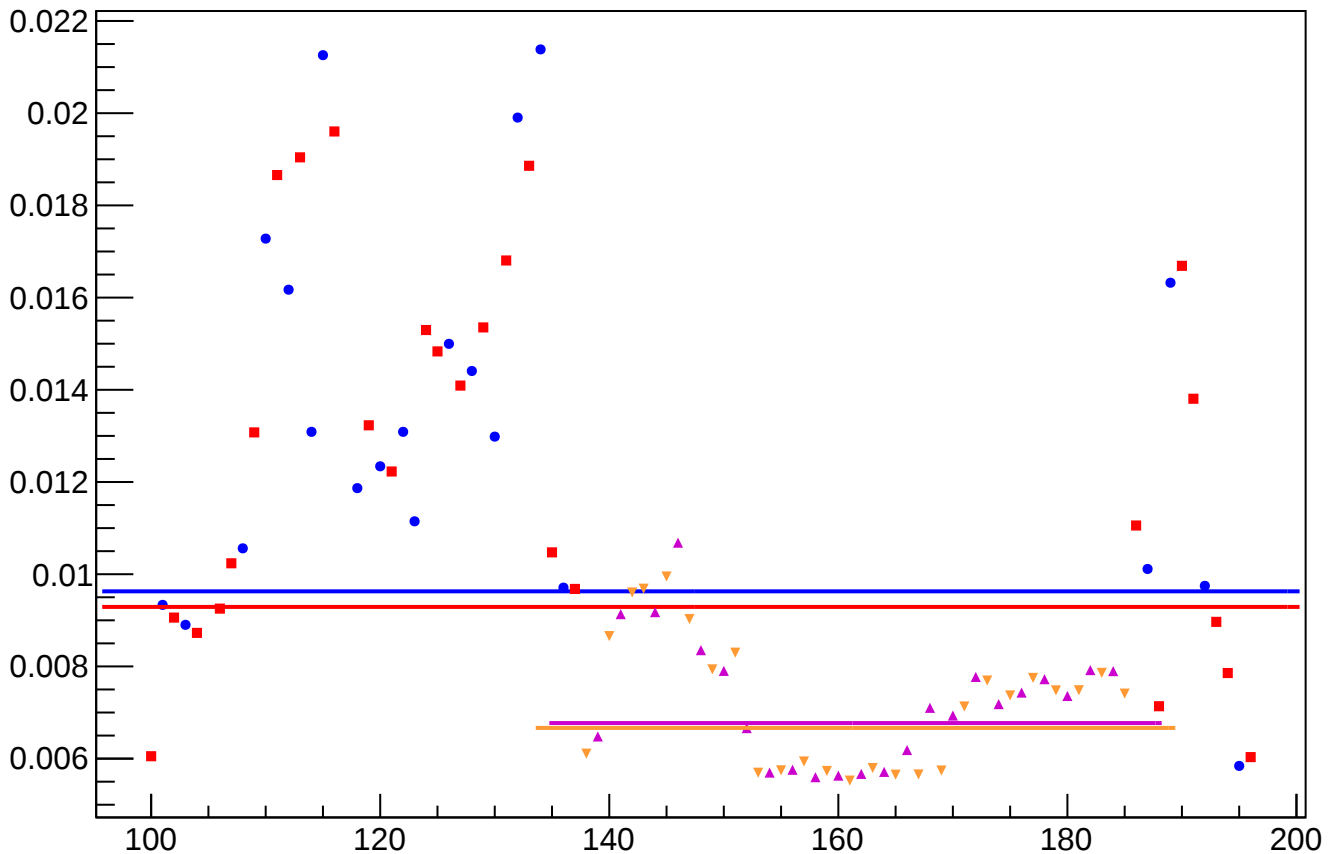
Left In: -0.044 ± 0.000 $\chi^2/\text{NDF}: 15718556282.1/22$

+ sign -0.077 ± 0.000 $\chi^2/\text{NDF}: 37746003482.5/45$

All: -0.096 ± 0.000 $\chi^2/\text{NDF}: 72363011654.7/100$

- sign -0.116 ± 0.000 $\chi^2/\text{NDF}: 34276223879.7/48$

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: 0.009 $\pm$ 0.000 χ^2 /NDF: 2260799.9/25

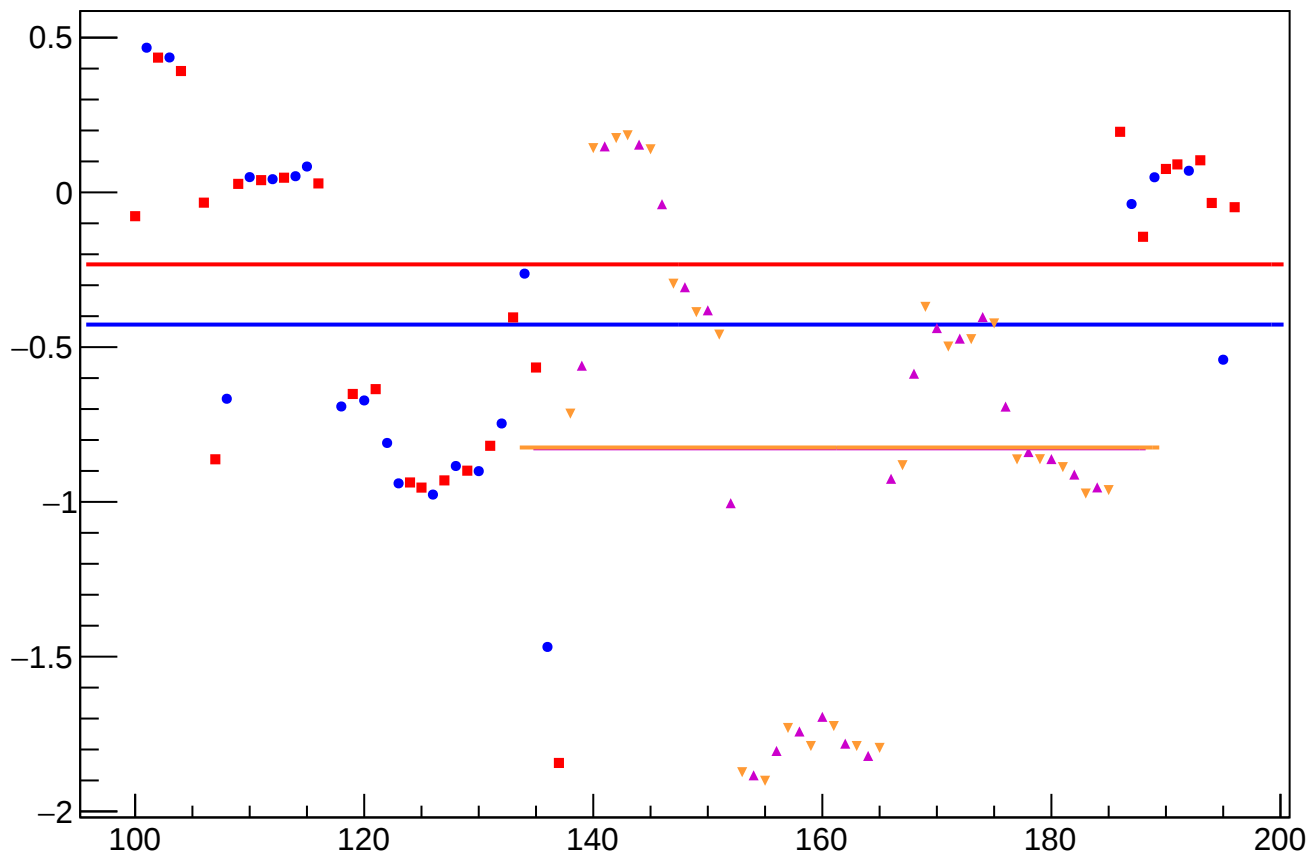
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:934050.3/22

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4117635.8/45

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 8345302.2/94

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 4214157.6/48

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: -0.233 ± 0.000 χ^2/NDF : 327242832.9/25

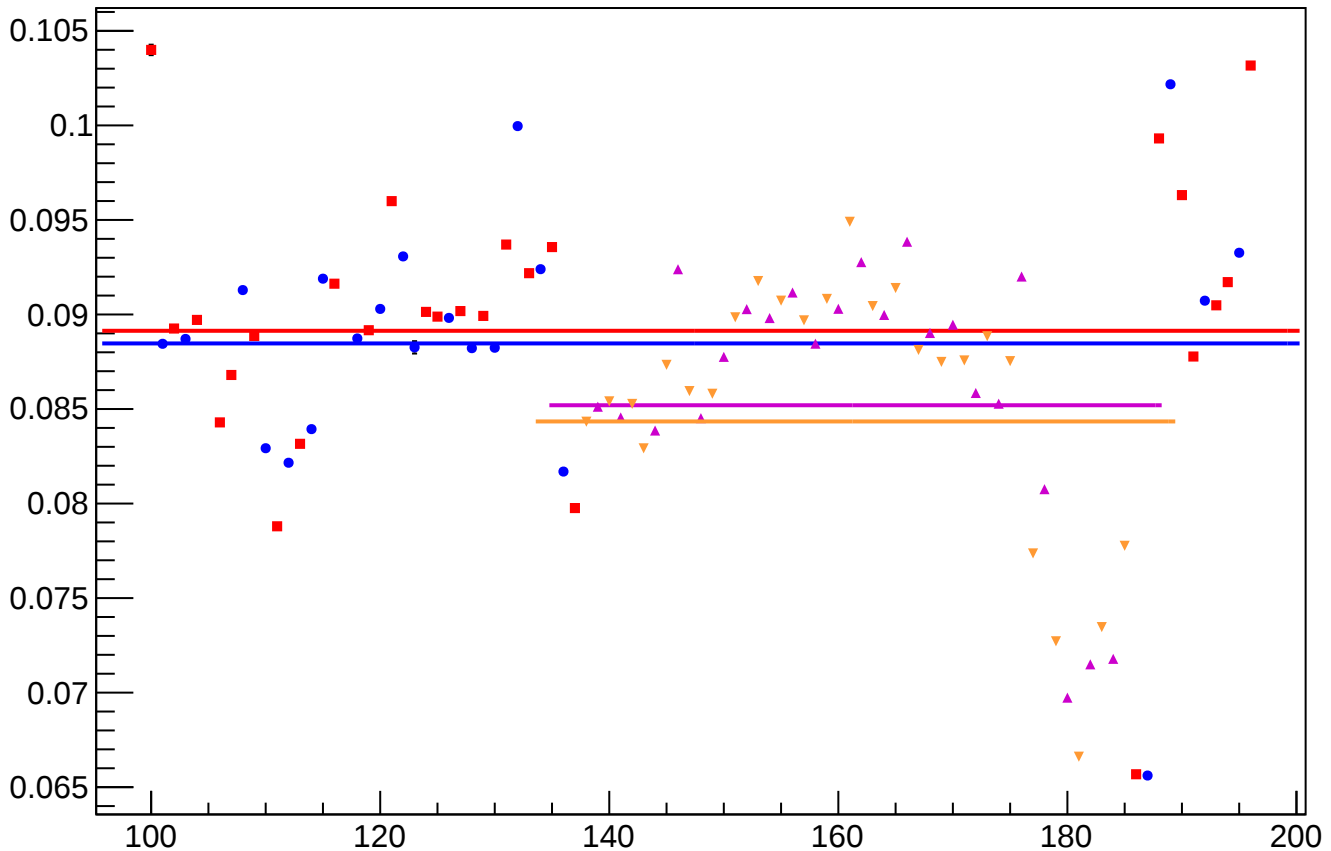
Left In: -0.827 ± 0.000 χ^2/NDF : 921651117.3/22

+ sign -0.701 ± 0.000 χ^2/NDF : 1618710781.3/45

All: -0.652 ± 0.000 χ^2/NDF : 3196842720.3/9

- sign -0.604 ± 0.000 χ^2/NDF : 1560723681.0/48

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: 0.089 $\pm$ 0.000 χ^2 /NDF: 189674.0/25

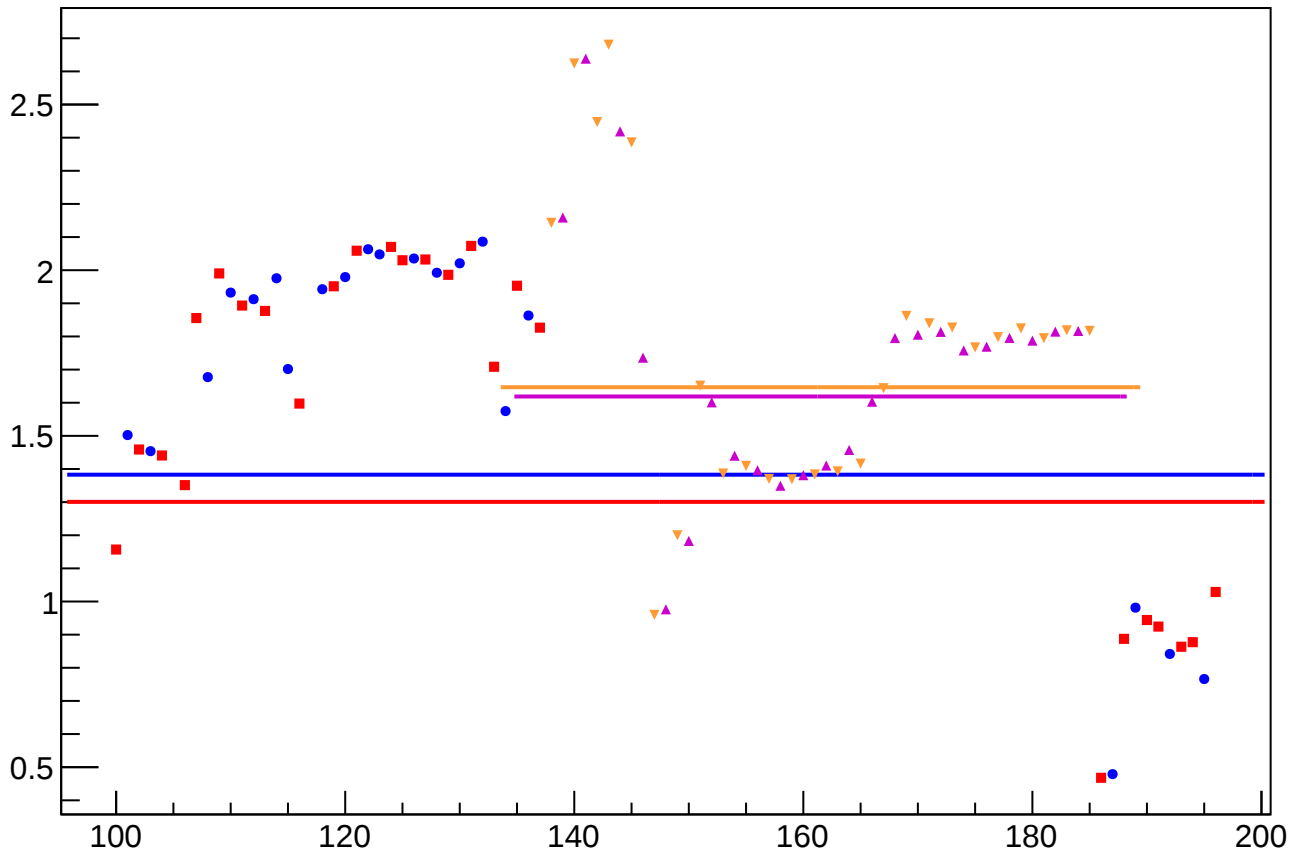
Left In: 0.085 $\pm$ 0.000 χ^2 /NDF:238313.9/22

+ sign 0.086 $\pm$ 0.000 χ^2 /NDF: 409914.3/45

All: 0.086 $\pm$ 0.000 χ^2 /NDF: 869402.9/94

- sign 0.087 $\pm$ 0.000 χ^2 /NDF: 455368.4/48

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: 1.301 $\pm$ 0.000 χ^2 /NDF: 11969579806.4/25

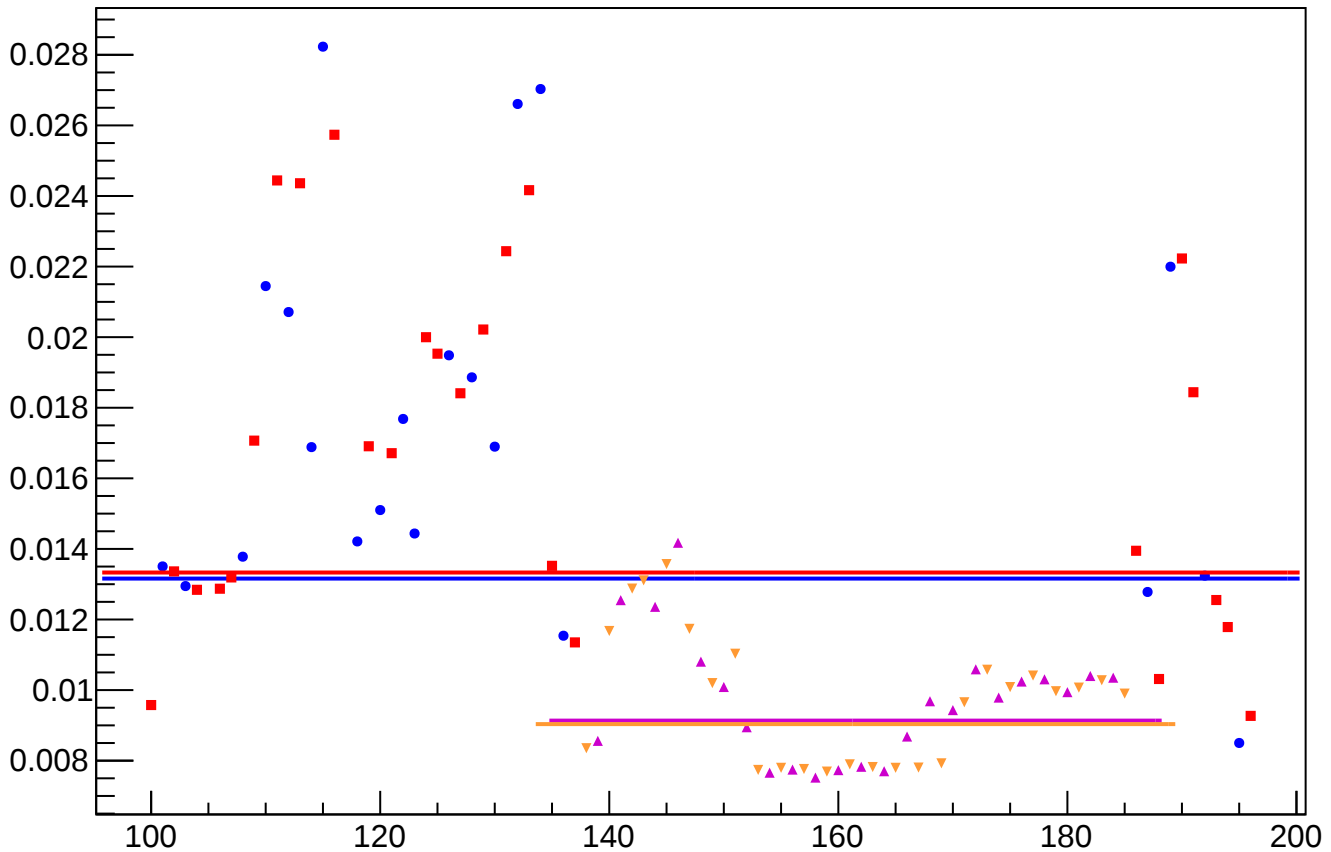
Left In: 1.619 $\pm$ 0.000 χ^2 /NDF: 20618198188.1/22

+ sign 1.601 $\pm$ 0.000 χ^2 /NDF: 41423648291.3/45

All: 1.576 $\pm$ 0.000 χ^2 /NDF: 78515599260.2/50

- sign 1.550 $\pm$ 0.000 χ^2 /NDF: 36773383252.3/48

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: 0.013 $\pm$ 0.000 χ^2 /NDF: 1648742.8/25

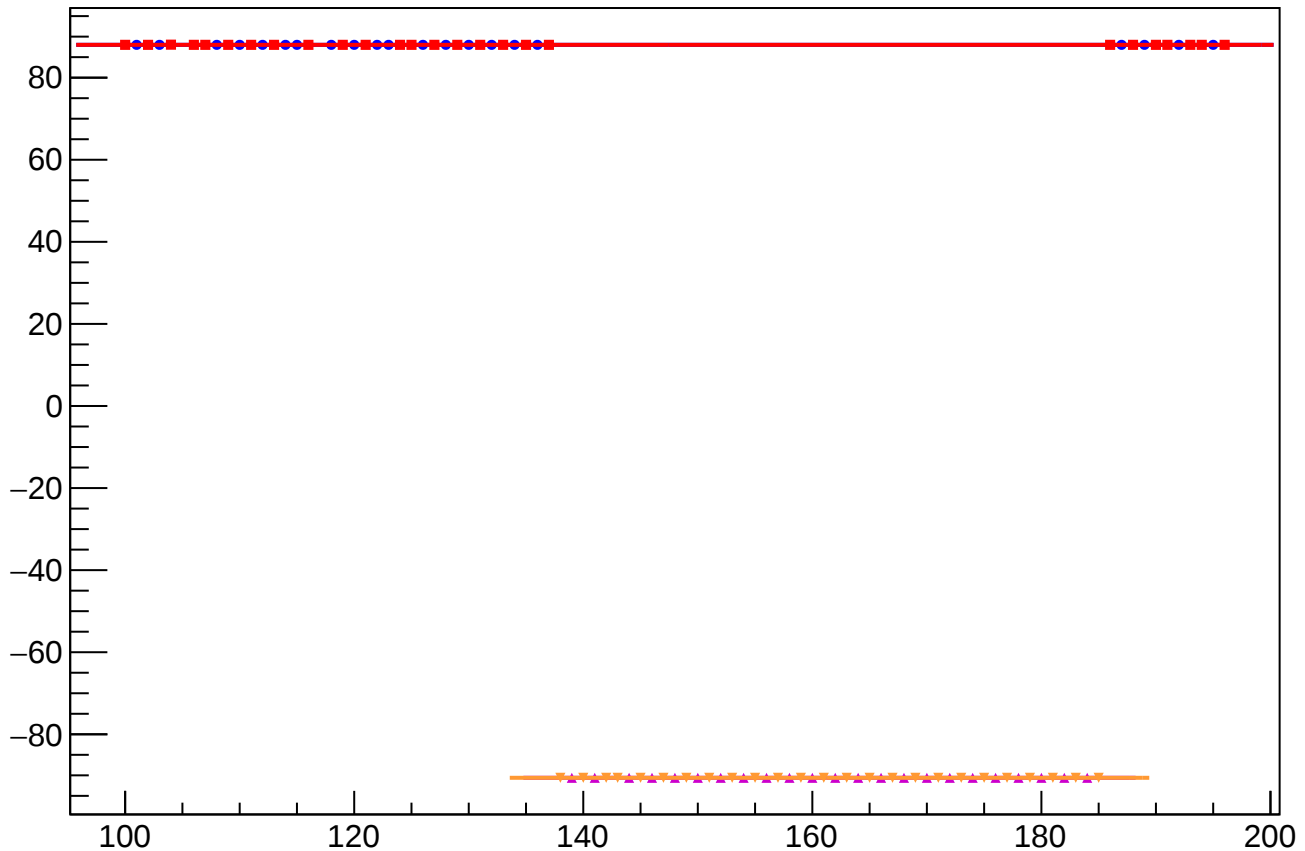
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:878356.2/22

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3717052.6/45

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 7721950.8/94

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 3984457.0/48

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: 88.002 $\pm$ 0.000 χ^2 /NDF: 79771367129841115773865558016.0/25

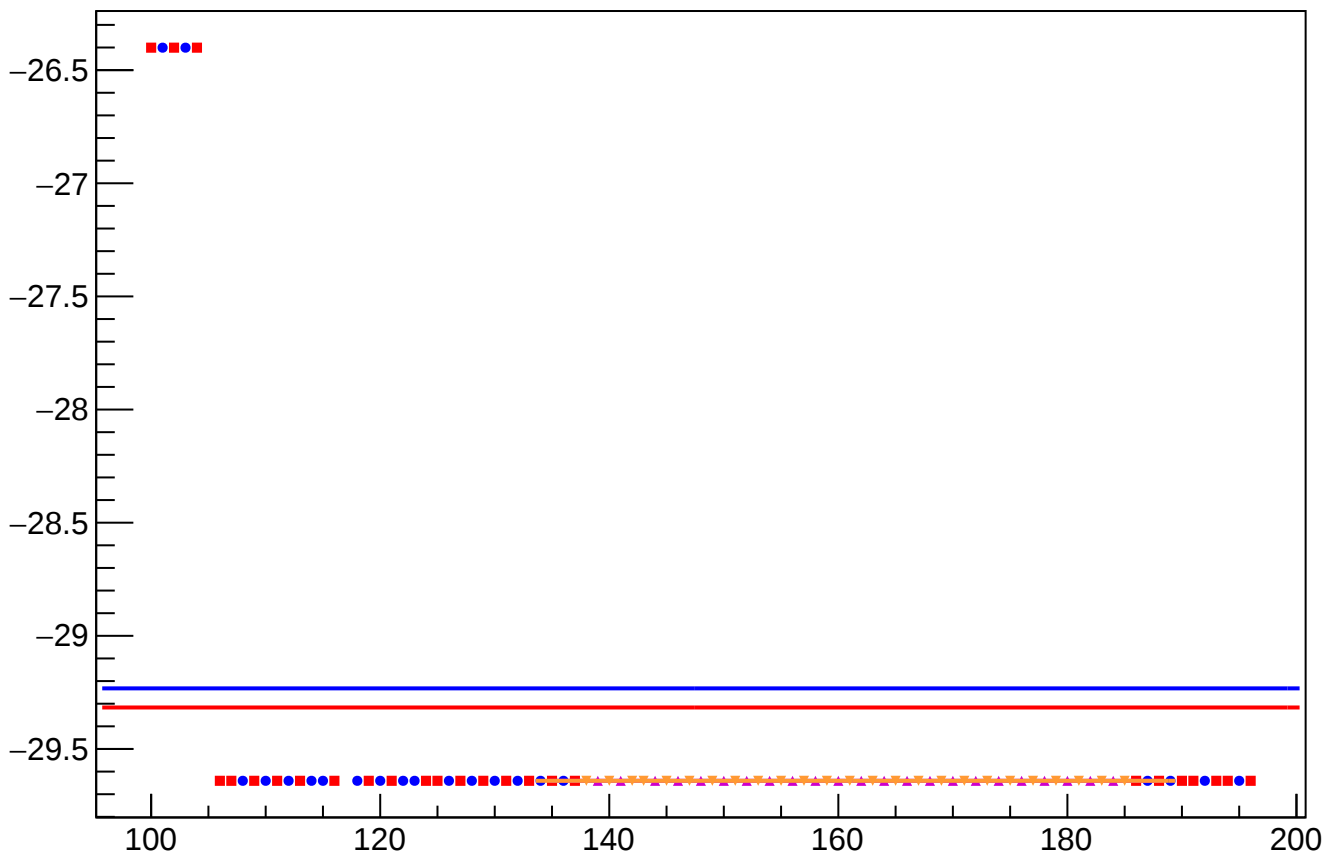
Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 7134230.8/22

+ sign -31.757 $\pm$ 0.000 χ^2 /NDF: 200199276722280

All: -26.023 $\pm$ 0.000 χ^2 /NDF: 426849482669

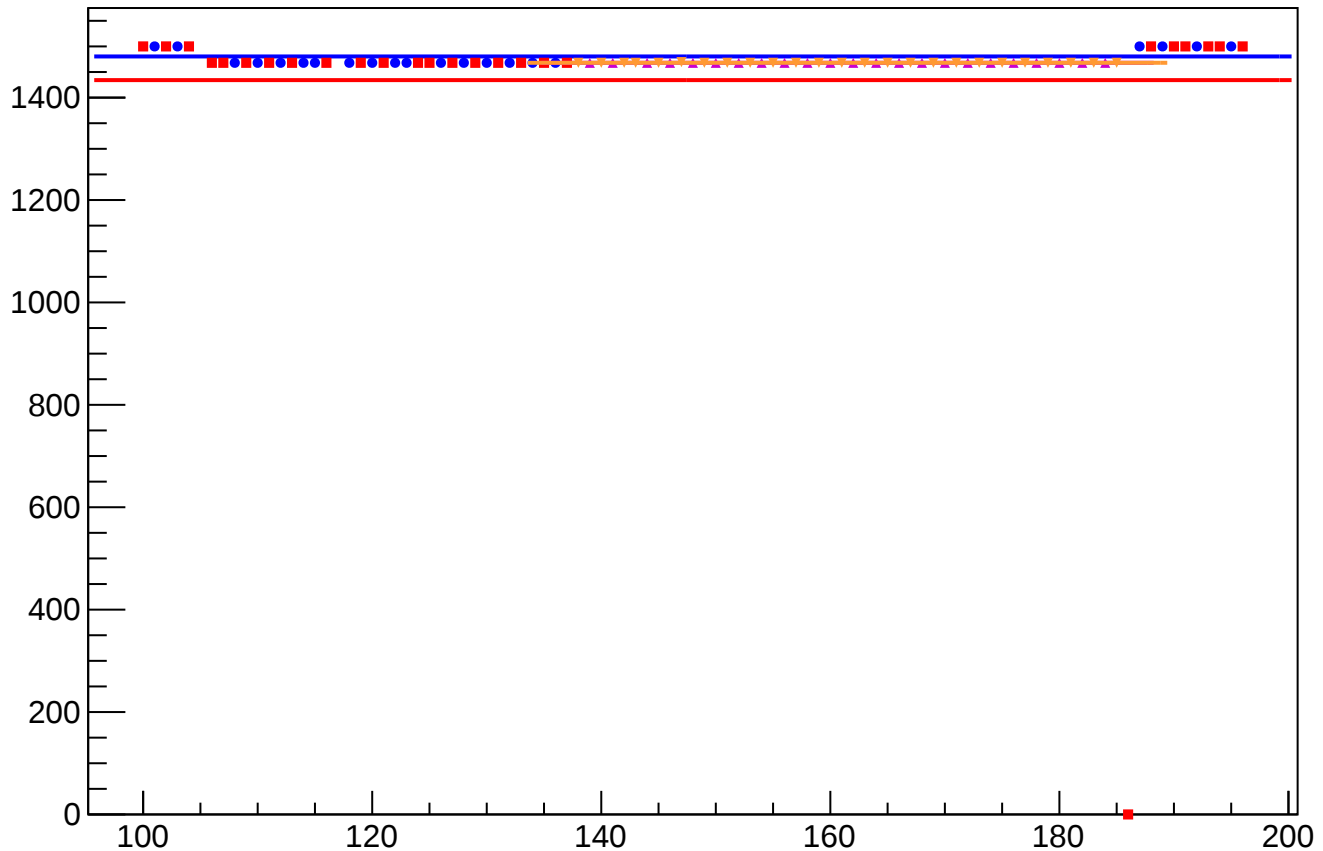
- sign -20.512 $\pm$ 0.000 χ^2 /NDF: 2248181920952604

epics_HWienAngles_mean vs Slug



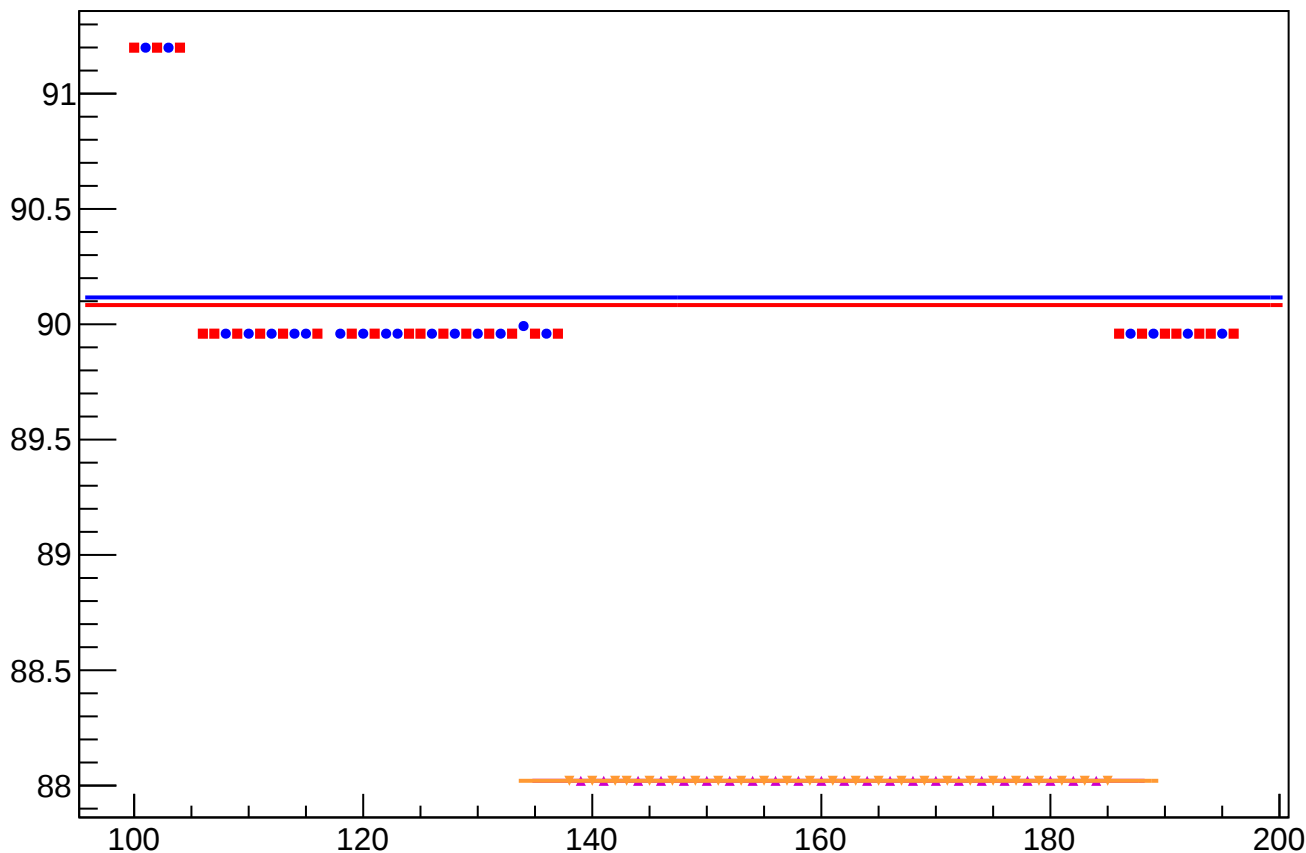
Right In: -29.232+/-0.000 χ^2/NDF : 1082553784615390088674051346137088.0/20
 Left Out: -29.641+/-0.000 χ^2/NDF : 530354.3/24
 Right Out: -29.317+/-0.000 χ^2/NDF : 10959494399999996432798159787261952.0/25
 Left In: -29.641+/-0.000 χ^2/NDF : 382603.8/22
 + sign -29.506+/-0.000 χ^2/NDF : 118726710538541
 All: -29.510+/-0.000 χ^2/NDF : 235728252875
 - sign -29.514+/-0.000 χ^2/NDF : 1169935502029744

epics_psub_pl_poss_mean vs Slug



Right In: 1480.398 $\pm$ 0.000 χ^2 /NDF: 227859006347035728028390099448233984.0/20
 Left Out: 1468.048 $\pm$ 0.000 χ^2 /NDF: 127949199501977668488138456039424.0/24
 Right Out: 1434.190 $\pm$ 0.000 χ^2 /NDF: 81094294489580733410117543557085528064.0/25
 Left In: 1467.994 $\pm$ 0.000 χ^2 /NDF: 144497772795444989723550941184.0/22

epics_Phi_FGs_mean vs Slug



Right In: 90.116+/-0.000 χ^2/NDF : 158368791402850689084179974455296.0/20

Left Out: 88.021+/-0.000 χ^2/NDF : 5679798.5/24

Right Out: 90.083+/-0.000 χ^2/NDF : 160525440000036633431947127816192.0/25

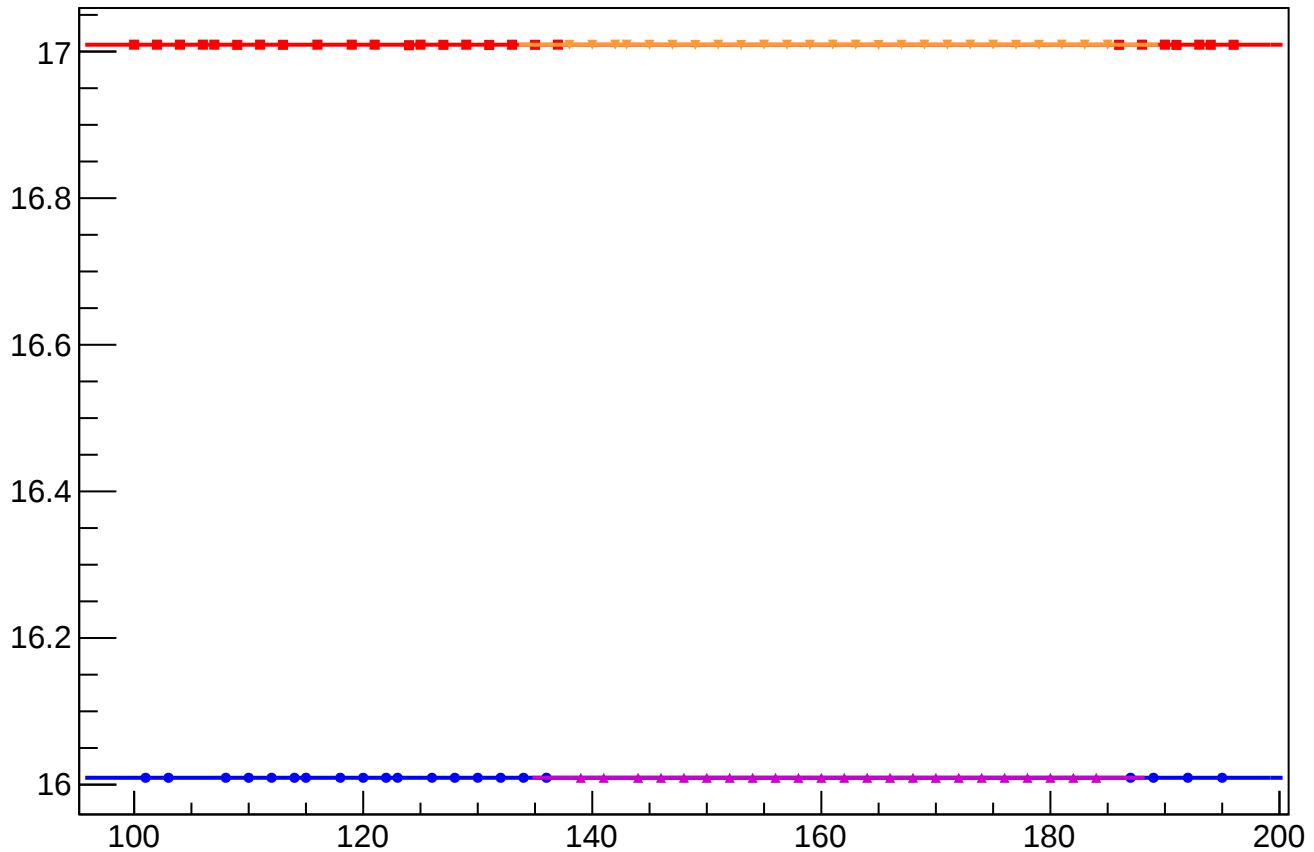
Left In: 88.021+/-0.000 χ^2/NDF : 6257169.0/22

+ sign 88.711+/-0.000 χ^2/NDF : 2914762514018219

All: 88.772+/-0.000 χ^2/NDF : 6094176039283

- sign 88.830+/-0.000 χ^2/NDF : 3158909681436580

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: 16244392860710741448065024.0/25

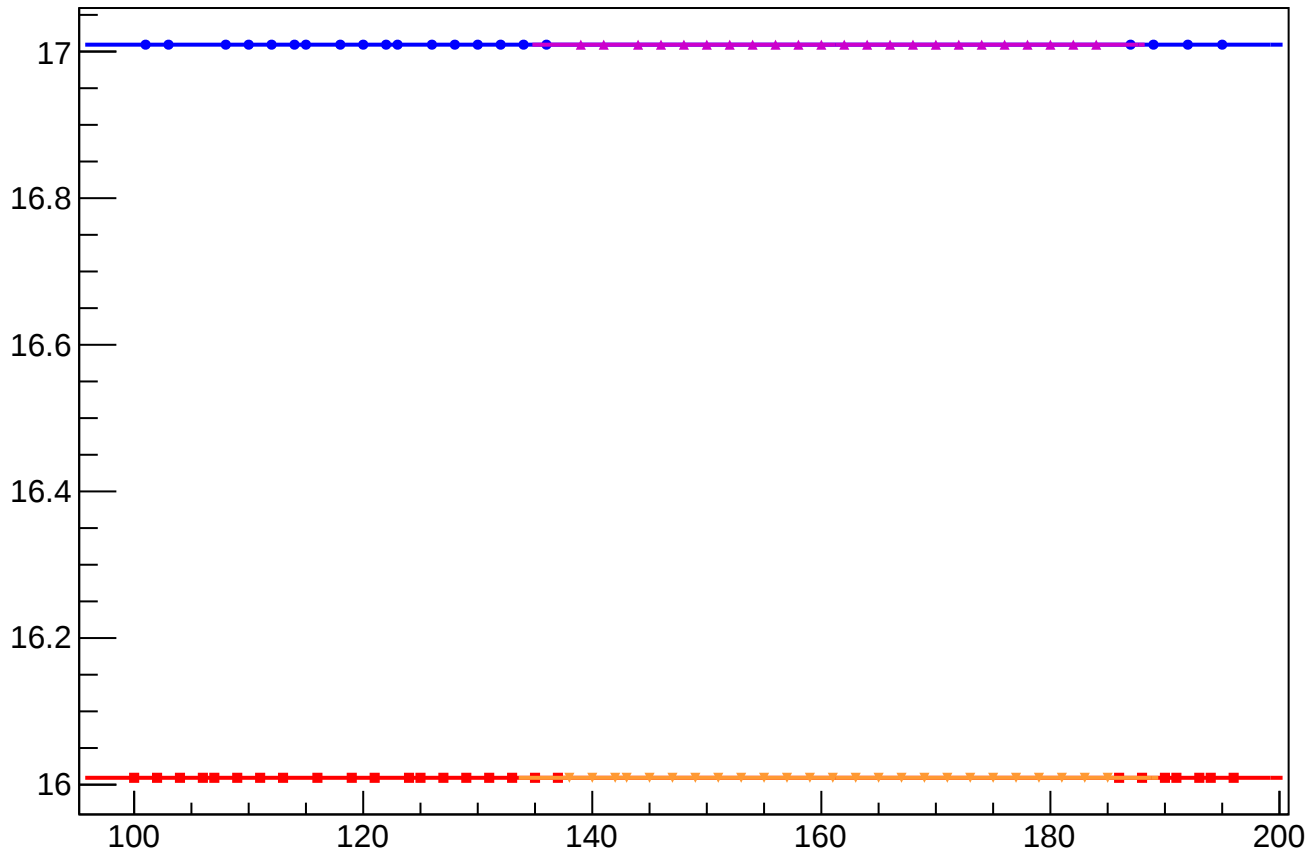
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127920993667935400624128.0/22

+ sign 16.671 $\pm$ 0.000 χ^2 /NDF: 5982534739033754

All: 16.536 $\pm$ 0.000 χ^2 /NDF: 1354581635487

- sign 16.405 $\pm$ 0.000 χ^2 /NDF: 6601964879147668

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 197152.1/20

Left Out: 16.009+/-0.000 χ^2/NDF : 61253.5/24

Right Out: 16.009+/-0.000 χ^2/NDF : 226157.0/25

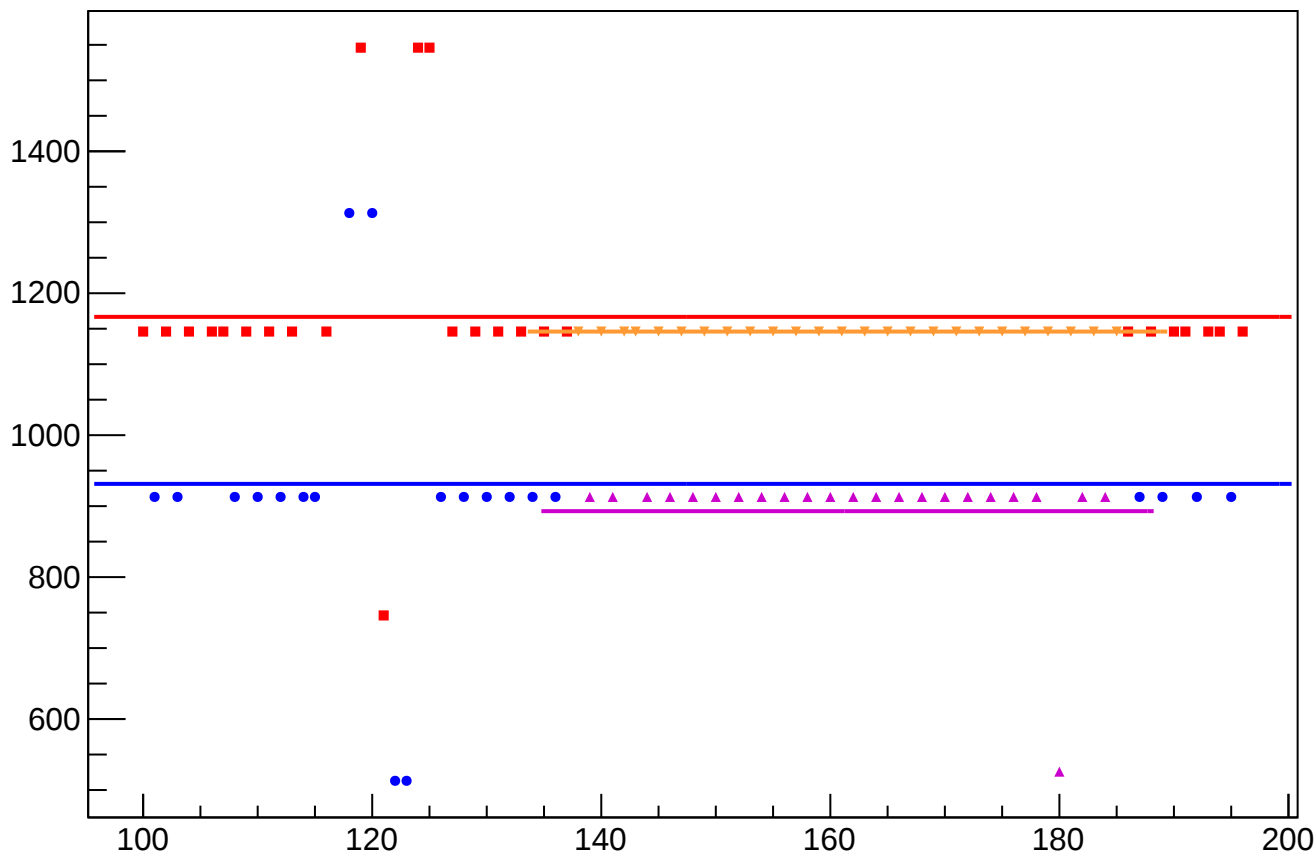
Left In: 17.009+/-0.000 χ^2/NDF : 114986101427233622065152.0/22

+ sign 16.334+/-0.000 χ^2/NDF : 6105651705565404

All: 16.476+/-0.000 χ^2/NDF : 1415934441584

- sign 16.612+/-0.000 χ^2/NDF : 6952120503065460

epics_RTPAPOSUCNTs_mean vs Slug



Right In: 931.371+/-0.000 χ^2/NDF : 20965279125874439462185531817341222912.0/20

Left Out: 1146.011+/-0.000 χ^2/NDF : 8056834670270133849999540224.0/24

Right Out: 1166.700+/-0.000 χ^2/NDF : 21584149245867655167225245950579572736.0/25

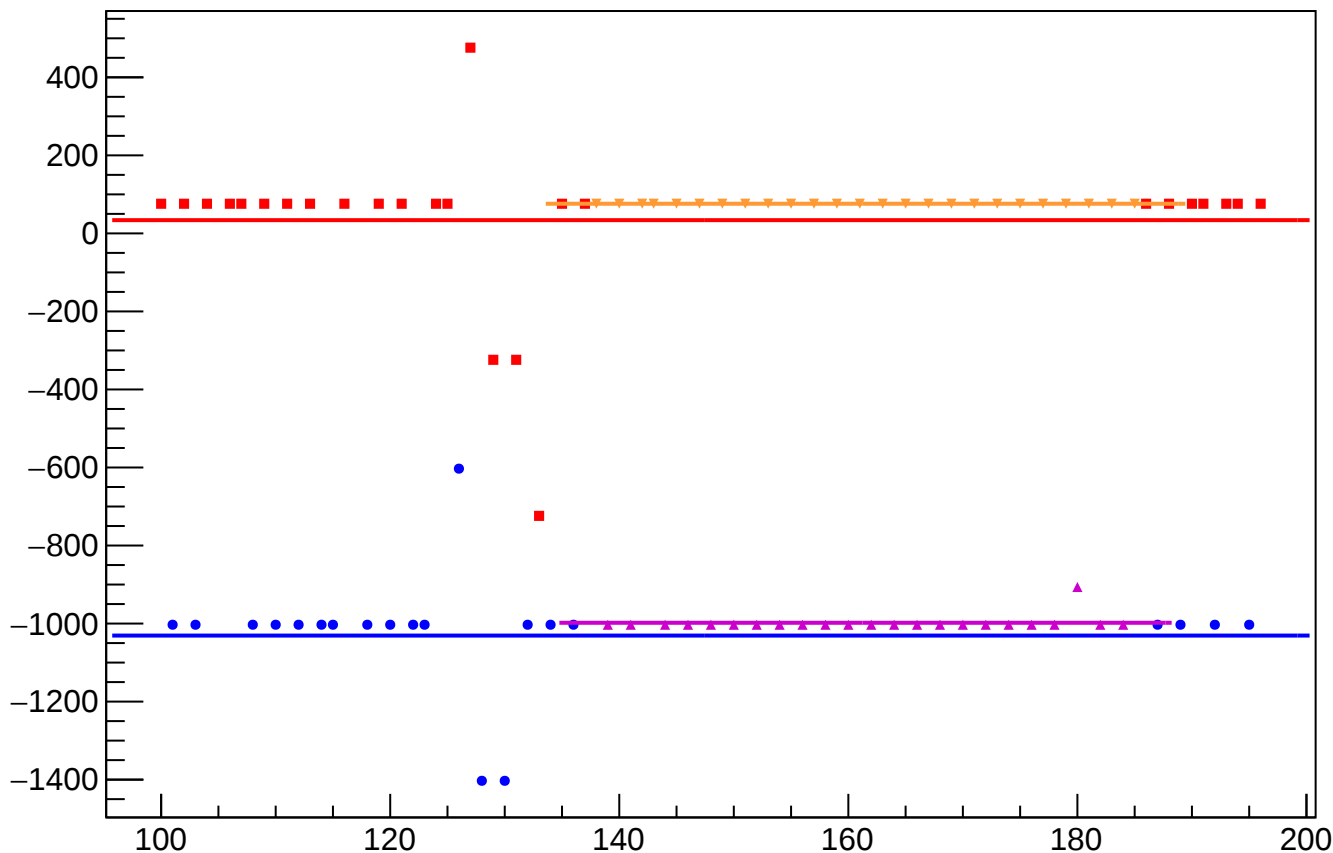
Left In: 892.950+/-0.000 χ^2/NDF : 13213852485930520518972295012897783808.0/22

All: 1037.092+/-0.000 χ^2/NDF : 14562569258

+ sign 1075.295+/-0.000 χ^2/NDF : 49880175480447

- sign 1000.376+/-0.000 χ^2/NDF : 87614144626933

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: 33.941 +/- 0.000 χ^2/NDF : 44986738708769156169295944550075858944.0/25

Left In: -997.979 +/- 0.000 χ^2/NDF : 825858066518991041870194619245920256.0/22