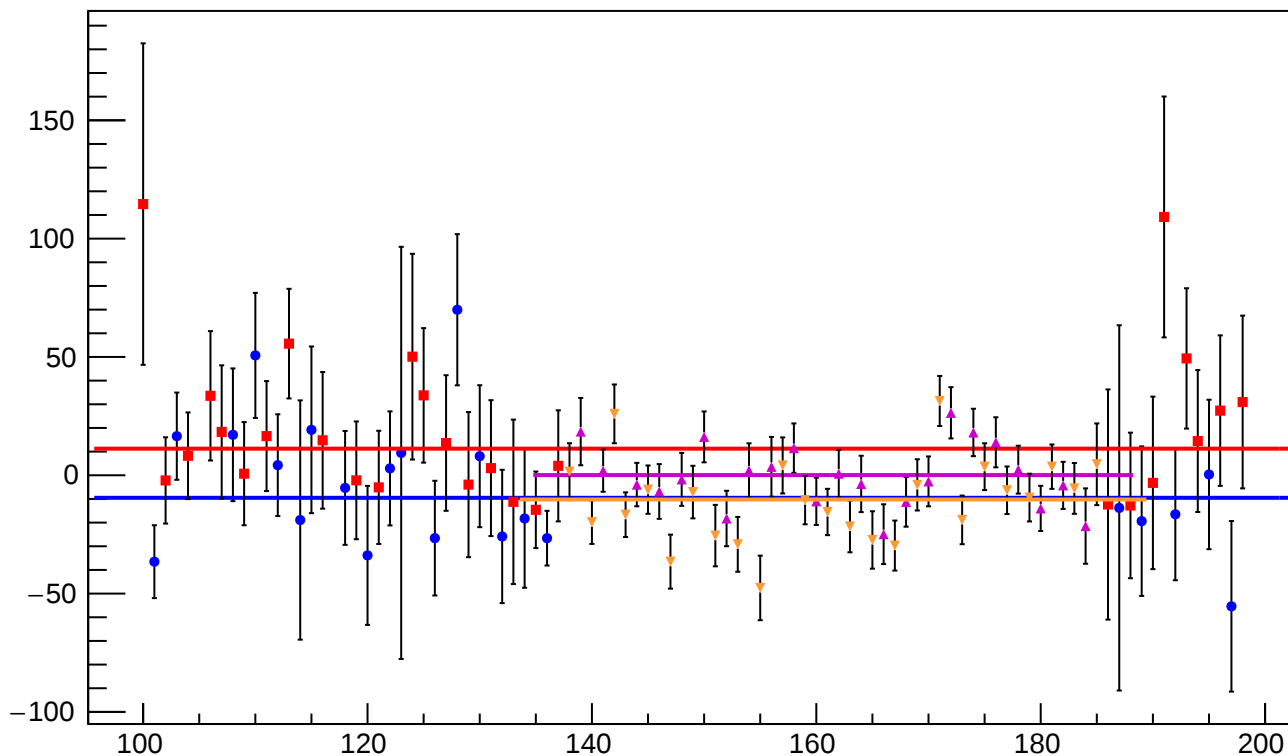


diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.518 ± 5.278

$\chi^2/\text{NDF}: 24.8/21$

Left Out: -10.238 ± 2.170

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

Right Out: 11.253 ± 5.162

$\chi^2/\text{NDF}: 20.1/26$

Left In: 0.080 ± 2.251

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

Left: -5.266 ± 1.562

$\chi^2/\text{NDF}: 98.9/47$

Right: 1.097 ± 3.691

$\chi^2/\text{NDF}: 52.8/48$

In: -1.396 ± 2.070

$\chi^2/\text{NDF}: 57.5/44$

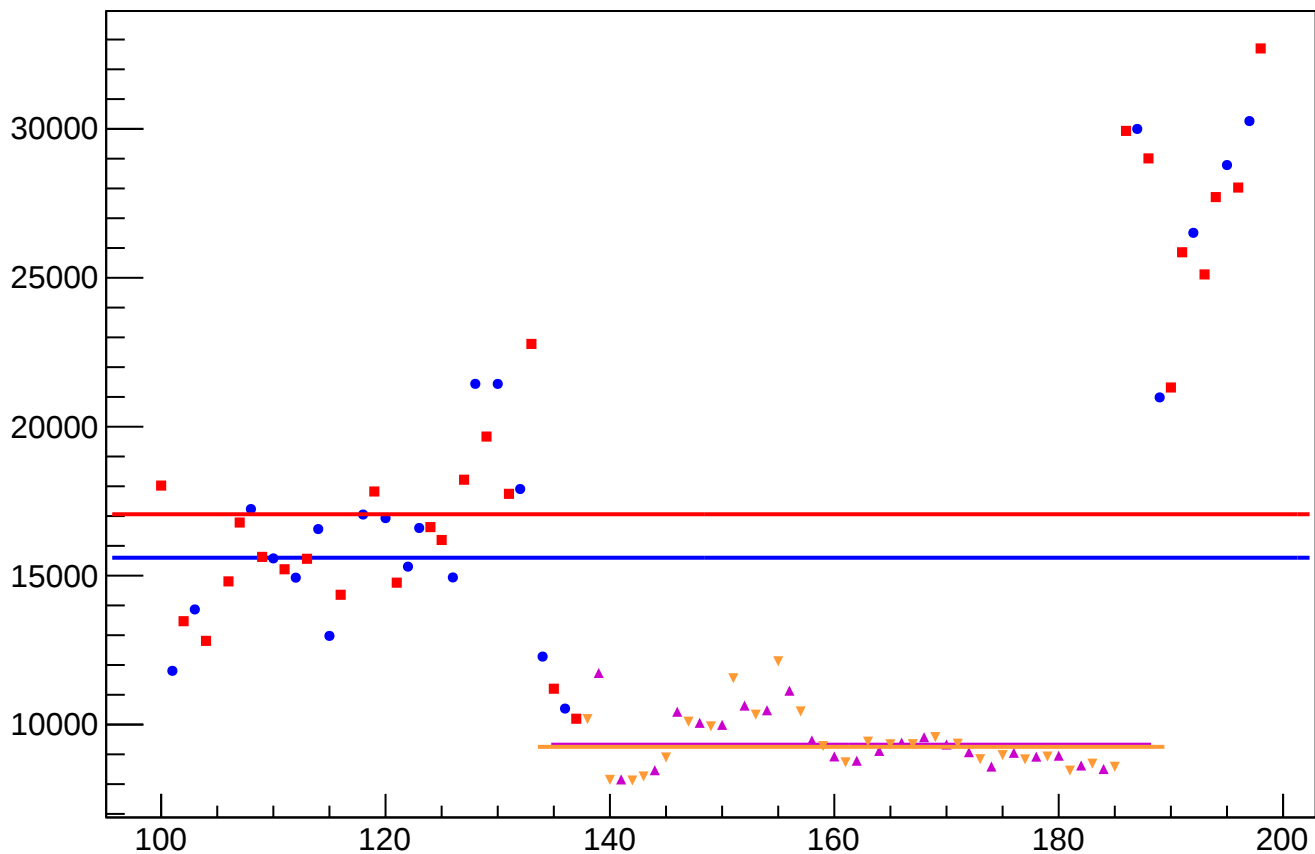
Out: -7.011 ± 2.001

$\chi^2/\text{NDF}: 92.9/51$

All: -4.299 ± 1.439

$\chi^2/\text{NDF}: 154.2/96$

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 15601.478+/-3.732 χ^2/NDF : 1852783.1/21

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

Right Out: 17061.205+/-3.650 χ^2/NDF : 2308991.0/26

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

Left: 9286.587+/-1.105 χ^2/NDF : 609106.1/47

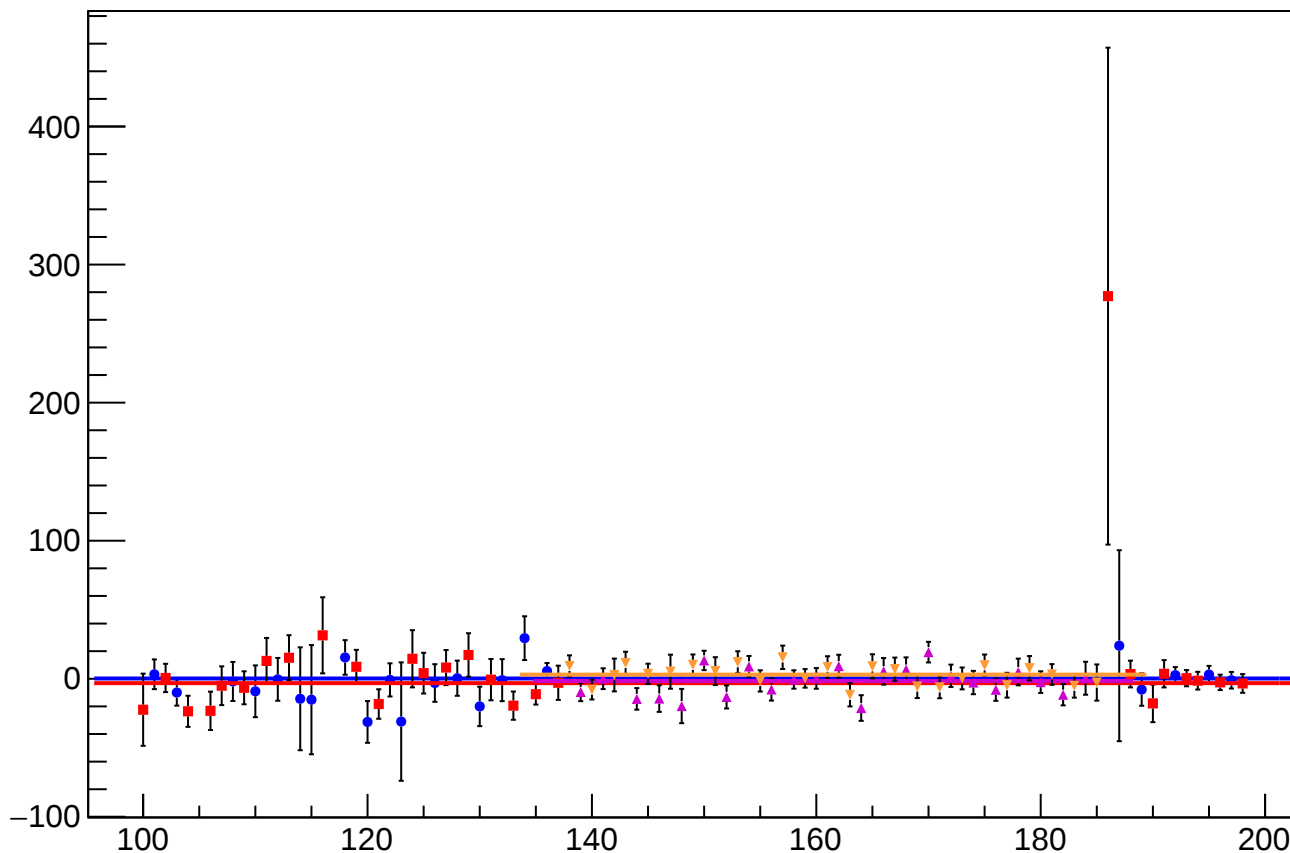
Right: 16347.507+/-2.610 χ^2/NDF : 4239959.5/48

In: 10289.760+/-1.464 χ^2/NDF : 4522474.0/44

Out: 10424.714+/-1.415 χ^2/NDF : 6530830.7/51

All: 10359.542+/-1.017 χ^2/NDF : 11057699.5

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.210 ± 2.261 $\chi^2/\text{NDF}: 15.5/21$

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

Right Out: -3.151 ± 2.004 $\chi^2/\text{NDF}: 25.0/26$

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

Left: 0.777 ± 1.189 $\chi^2/\text{NDF}: 57.8/47$

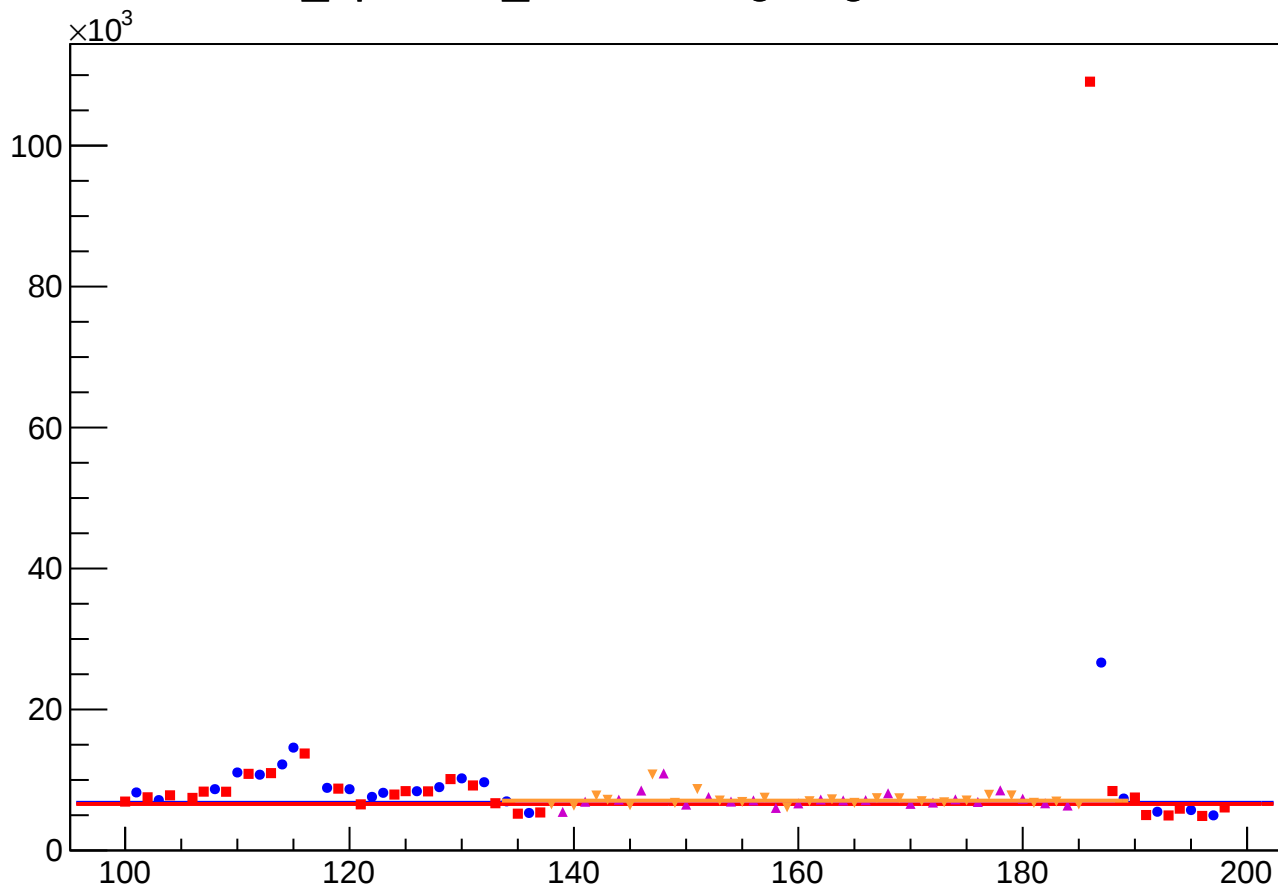
Right: -1.672 ± 1.500 $\chi^2/\text{NDF}: 41.7/48$

In: -0.938 ± 1.360 $\chi^2/\text{NDF}: 51.4/44$

Out: 0.513 ± 1.279 $\chi^2/\text{NDF}: 49.2/51$

All: -0.168 ± 0.932 $\chi^2/\text{NDF}: 101.2/96$

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 6755.436 ± 1.599 $\chi^2/\text{NDF}: 1438875.2/21$

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

Right Out: 6597.088 ± 1.417 $\chi^2/\text{NDF}: 2072787.5/26$

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

Left: 7040.137 ± 0.841 $\chi^2/\text{NDF}: 913008.5/47$

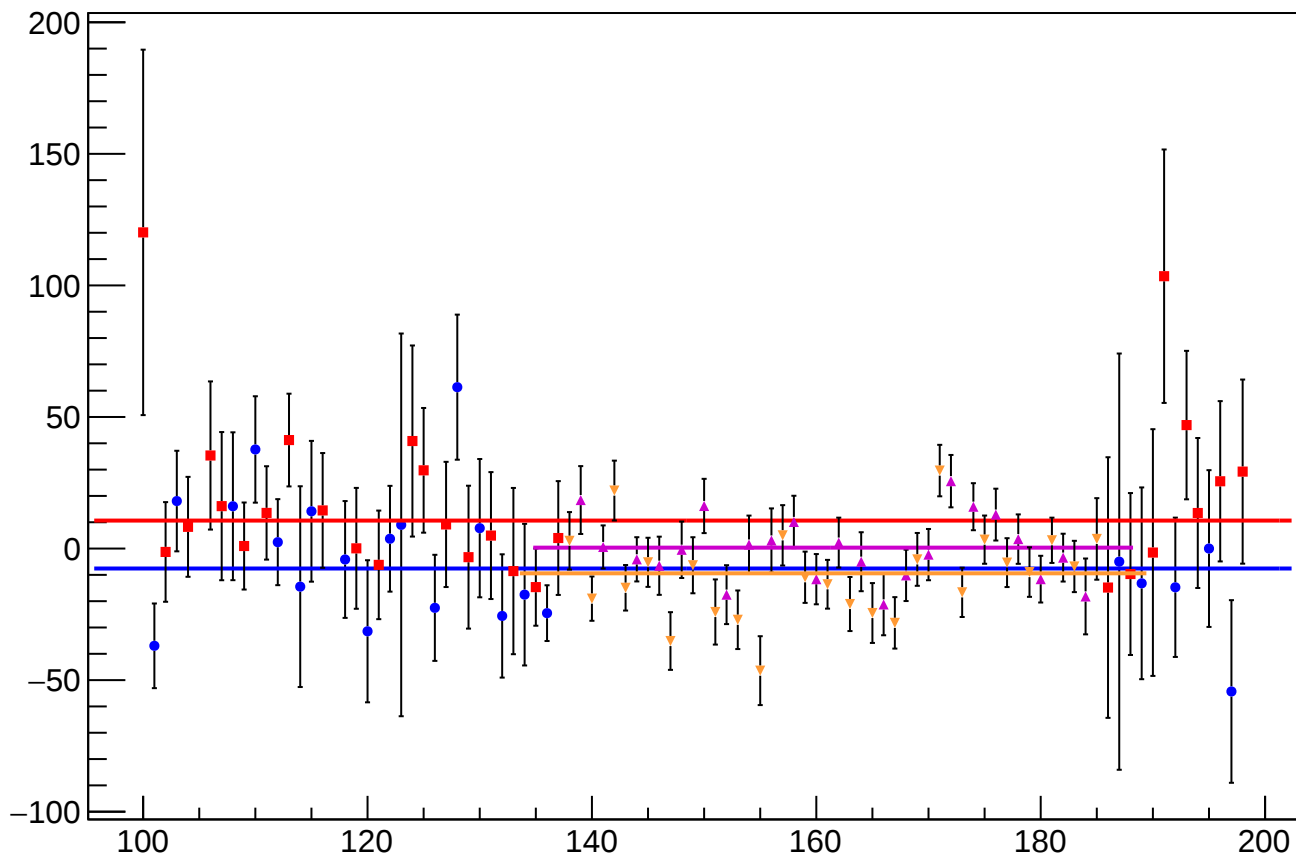
Right: 6666.776 ± 1.061 $\chi^2/\text{NDF}: 3517155.8/48$

In: 6920.795 ± 0.962 $\chi^2/\text{NDF}: 1980955.1/44$

Out: 6874.239 ± 0.904 $\chi^2/\text{NDF}: 2524082.1/51$

All: 6896.084 ± 0.659 $\chi^2/\text{NDF}: 4506281.1/96$

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.582 $\pm$ 4.776 χ^2/NDF : 25.5/21

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

Right Out: 10.633 $\pm$ 4.633 χ^2/NDF : 19.8/26

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

Left: -4.722 $\pm$ 1.456 χ^2/NDF : 99.9/47

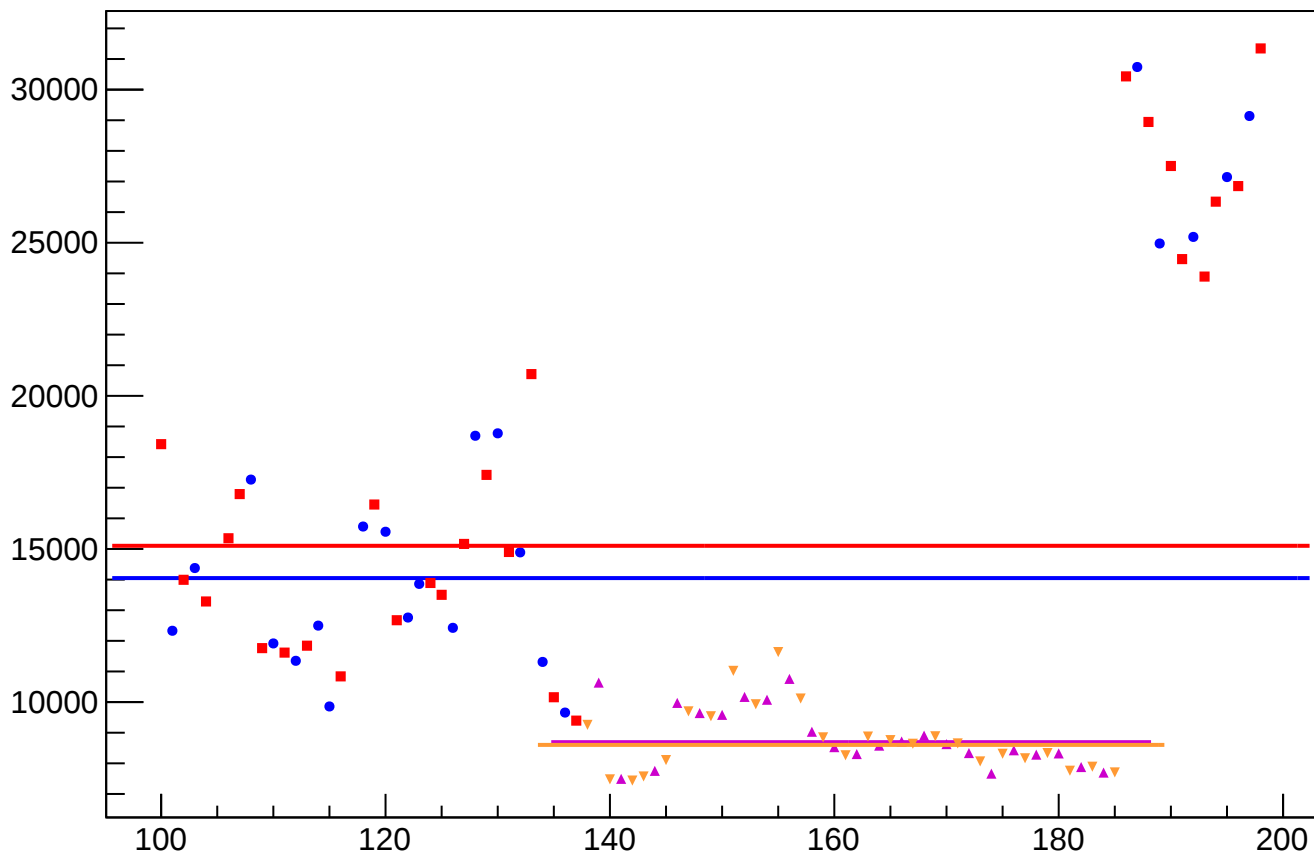
Right: 1.802 $\pm$ 3.325 χ^2/NDF : 52.8/48

In: -0.941 $\pm$ 1.923 χ^2/NDF : 57.7/44

Out: -6.206 $\pm$ 1.852 χ^2/NDF : 94.3/51

All: -3.672 $\pm$ 1.334 χ^2/NDF : 155.9/96

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 14049.422 $\pm$ 3.377 χ^2 /NDF: 2094368.5/21

Left Out: 8602.220 $\pm$ 1.429 χ^2 /NDF:438805.2/24

Right Out: 15103.788 $\pm$ 3.276 χ^2 /NDF: 2876869.7/26

Left In: 8691.203 $\pm$ 1.485 χ^2 /NDF:365254.6/22

Left: 8644.996 $\pm$ 1.030 χ^2 /NDF: 805923.5/47

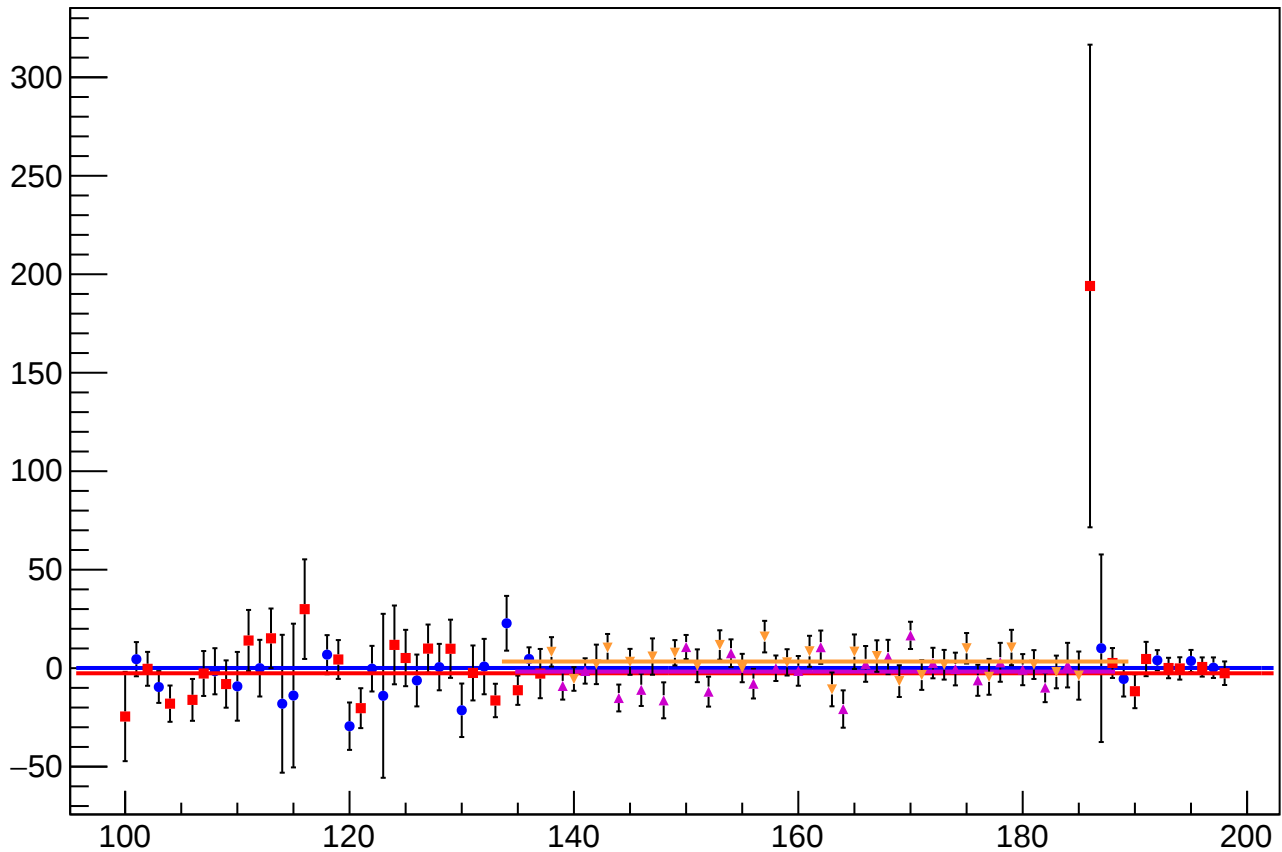
Right: 14592.625 $\pm$ 2.351 χ^2 /NDF: 5021461.5/48

In: 9559.725 $\pm$ 1.360 χ^2 /NDF:4569163.3/44

Out: 9641.691 $\pm$ 1.310 χ^2 /NDF:6624931.0/51

All: 9602.235 $\pm$ 0.943 χ^2 /NDF: 11195979.3/95

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.097 $\pm$ 2.010 χ^2/NDF : 16.5/21

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

Right Out: -2.598 $\pm$ 1.754 χ^2/NDF : 25.7/26

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

Left: 0.899 $\pm$ 1.116 χ^2/NDF : 56.0/47

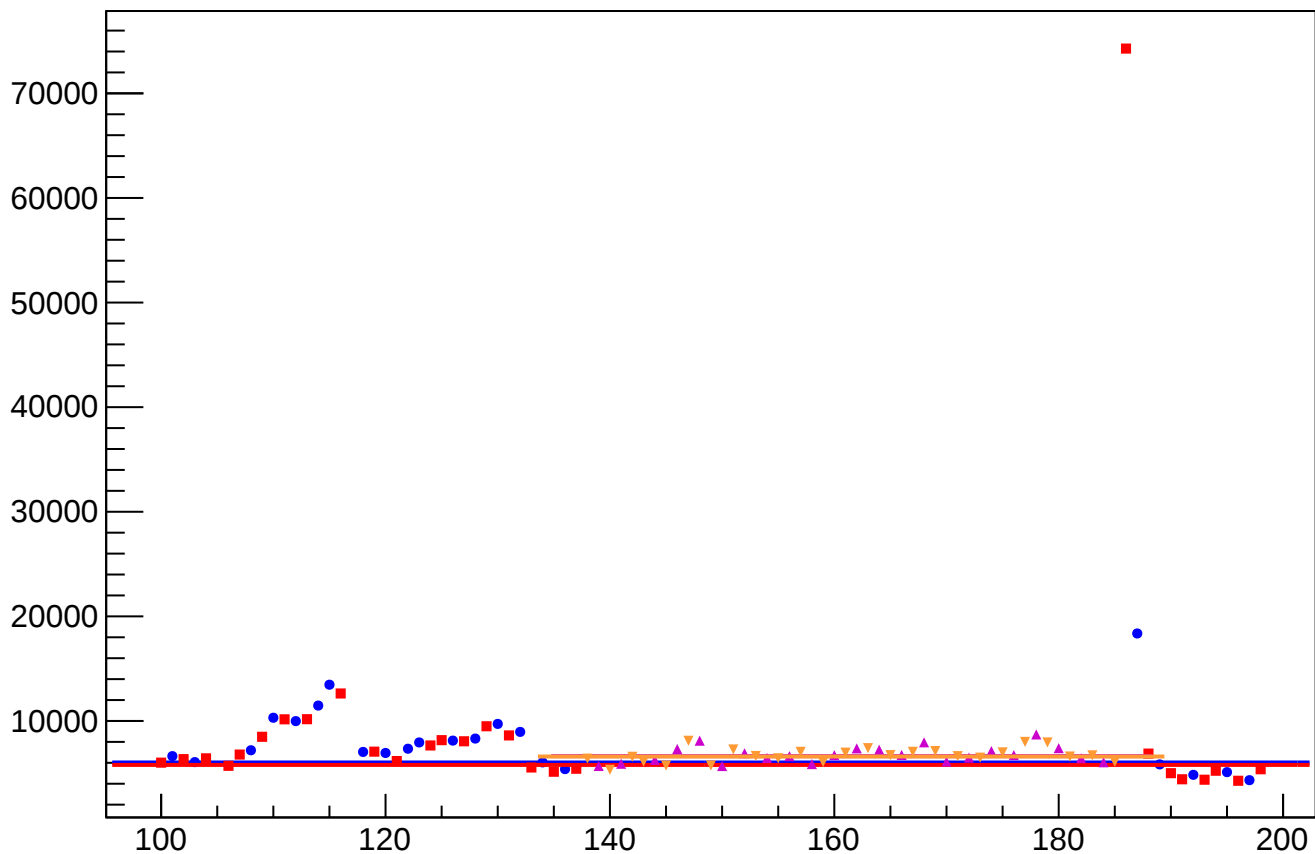
Right: -1.433 $\pm$ 1.321 χ^2/NDF : 43.2/48

In: -1.034 $\pm$ 1.255 χ^2/NDF : 50.5/44

Out: 0.752 $\pm$ 1.162 χ^2/NDF : 49.4/51

All: -0.072 $\pm$ 0.853 χ^2/NDF : 101.0/96

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6030.951+/-1.421 χ^2/NDF : 1381806.1/21

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

Right Out: 5799.009+/-1.240 χ^2/NDF : 2107842.1/26

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

Left: 6619.974+/-0.789 χ^2/NDF : 811236.9/47

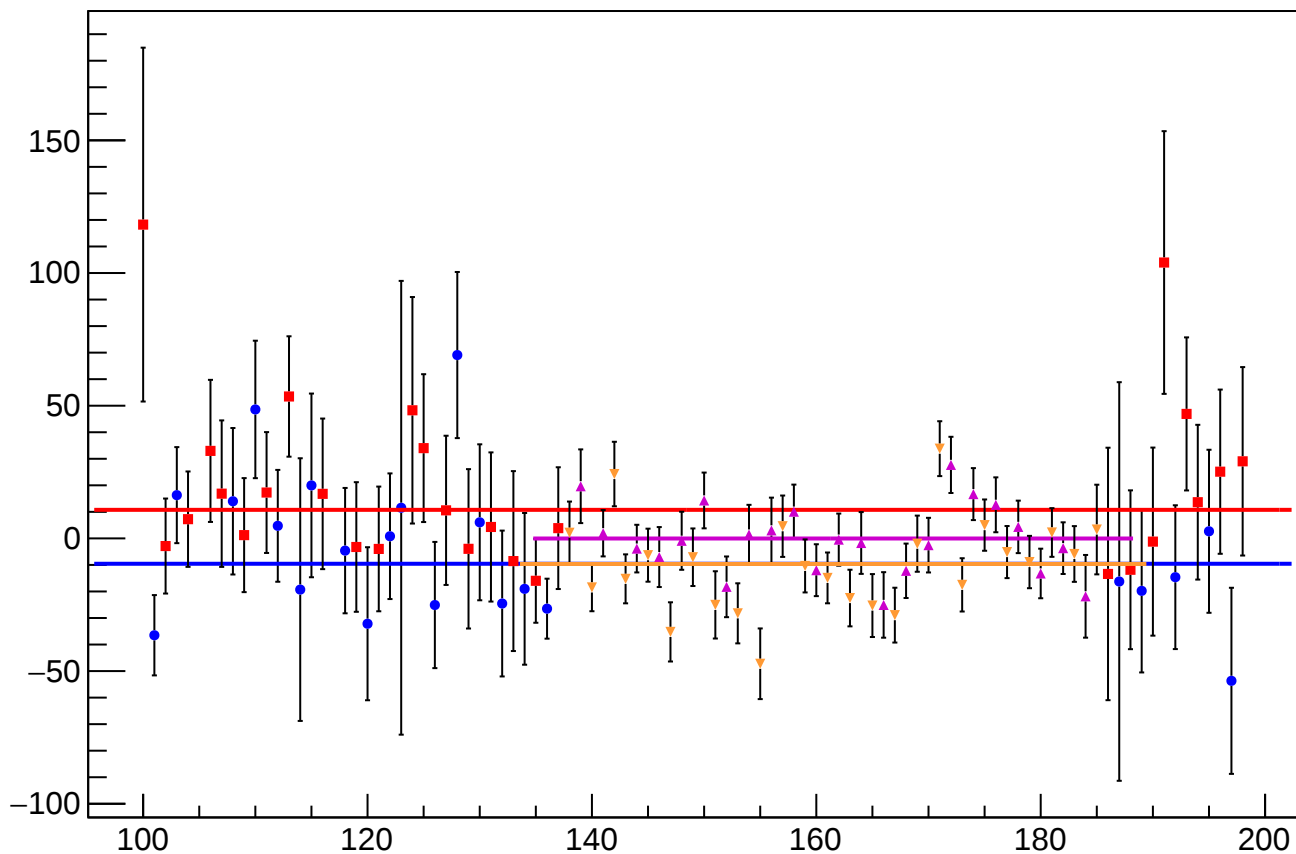
Right: 5899.249+/-0.934 χ^2/NDF : 3504767.7/48

In: 6400.793+/-0.888 χ^2/NDF : 1908321.0/44

Out: 6250.467+/-0.822 χ^2/NDF : 2739407.3/51

All: 6319.852+/-0.603 χ^2/NDF : 4663174.0/96

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.559 $\pm$ 5.169 χ^2/NDF : 24.7/21

Left Out: -9.640 $\pm$ 2.122 χ^2/NDF : 59.9/24

Right Out: 10.760 $\pm$ 5.054 χ^2/NDF : 20.1/26

Left In: -0.042 $\pm$ 2.200 χ^2/NDF : 30.8/22

Left: -5.015 $\pm$ 1.527 χ^2/NDF : 100.5/47

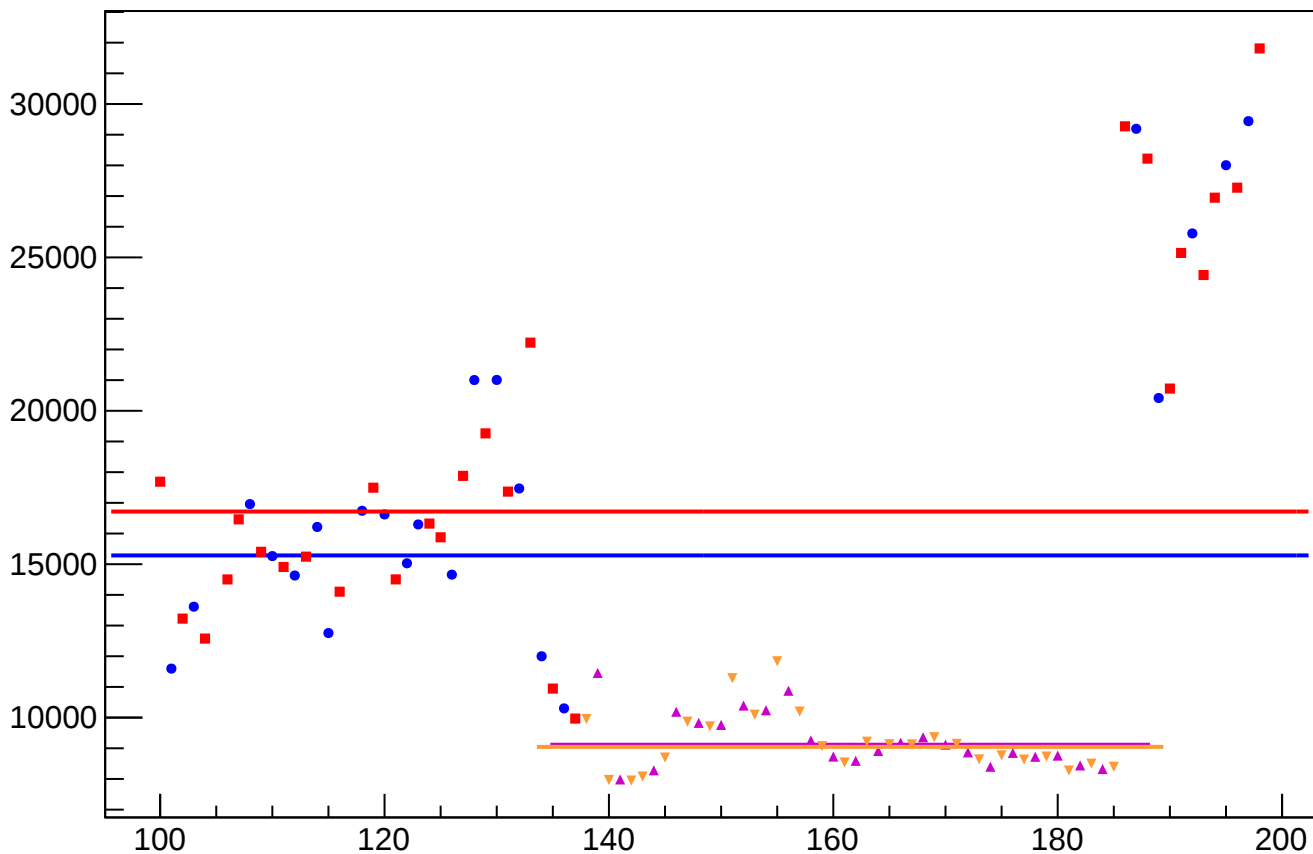
Right: 0.827 $\pm$ 3.614 χ^2/NDF : 52.7/48

In: -1.502 $\pm$ 2.024 χ^2/NDF : 58.3/44

Out: -6.584 $\pm$ 1.956 χ^2/NDF : 93.9/51

All: -4.130 $\pm$ 1.407 χ^2/NDF : 155.5/96

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 15285.998 $\pm$ 3.655 χ^2/NDF : 1834583.8/21

Left Out: 9045.871 $\pm$ 1.500 χ^2/NDF :328508.5/24

Right Out: 16716.482 $\pm$ 3.574 χ^2/NDF : 2276596.5/26

Left In: 9115.817 $\pm$ 1.556 χ^2/NDF :272471.8/22

Left: 9079.576 $\pm$ 1.080 χ^2/NDF : 602027.6/47

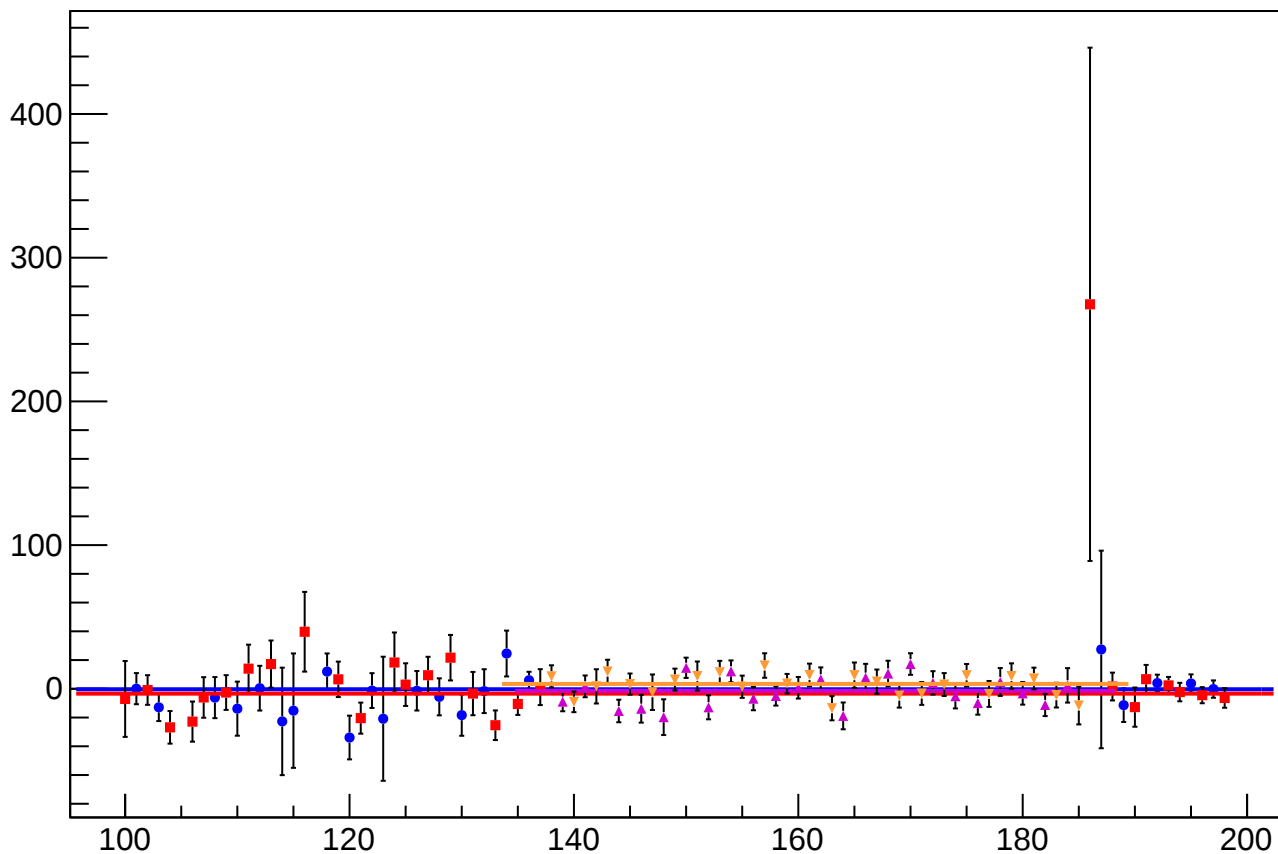
Right: 16017.229 $\pm$ 2.555 χ^2/NDF : 4189493.1/48

In: 10062.360 $\pm$ 1.431 χ^2/NDF :4520107.6/44

Out: 10195.105 $\pm$ 1.383 χ^2/NDF :6521484.3/51

All: 10131.000 $\pm$ 0.995 χ^2/NDF : 11046038.7

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -0.313 ± 2.273 χ^2/NDF : 16.3/21

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

Right Out: -3.363 ± 2.015 χ^2/NDF : 30.1/26

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

Left: 1.015 ± 1.194 χ^2/NDF : 60.3/47

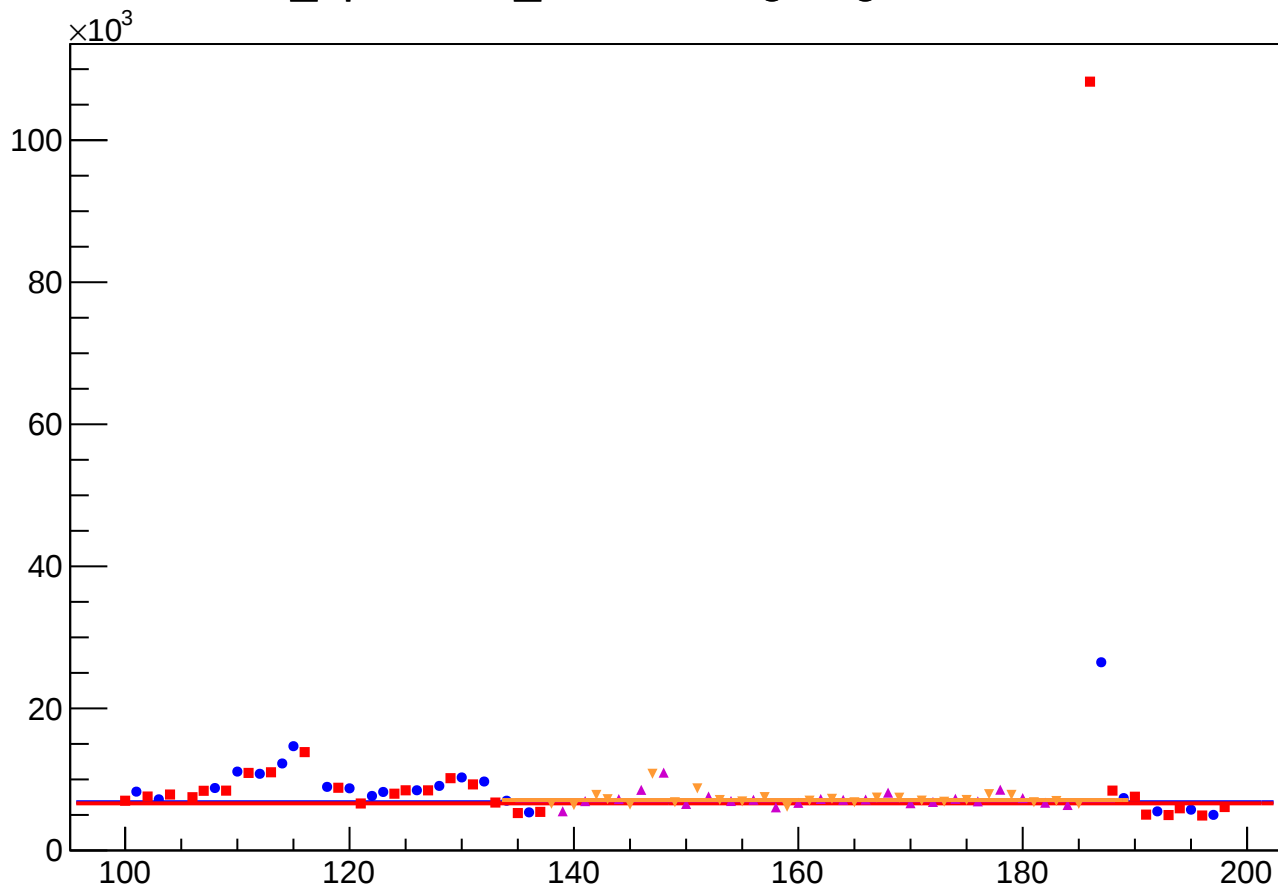
Right: -2.021 ± 1.508 χ^2/NDF : 47.5/48

In: -1.058 ± 1.367 χ^2/NDF : 53.2/44

Out: 0.642 ± 1.285 χ^2/NDF : 56.2/51

All: -0.156 ± 0.936 χ^2/NDF : 110.2/96

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 6790.813 $\pm$ 1.607 χ^2/NDF : 1444139.5/21

Left Out: 7096.350 $\pm$ 1.179 χ^2/NDF : 381942.1/24

Right Out: 6631.297 $\pm$ 1.425 χ^2/NDF : 2077236.0/26

Left In: 7047.269 $\pm$ 1.209 χ^2/NDF : 517433.5/22

Left: 7072.425 $\pm$ 0.844 χ^2/NDF : 900219.9/47

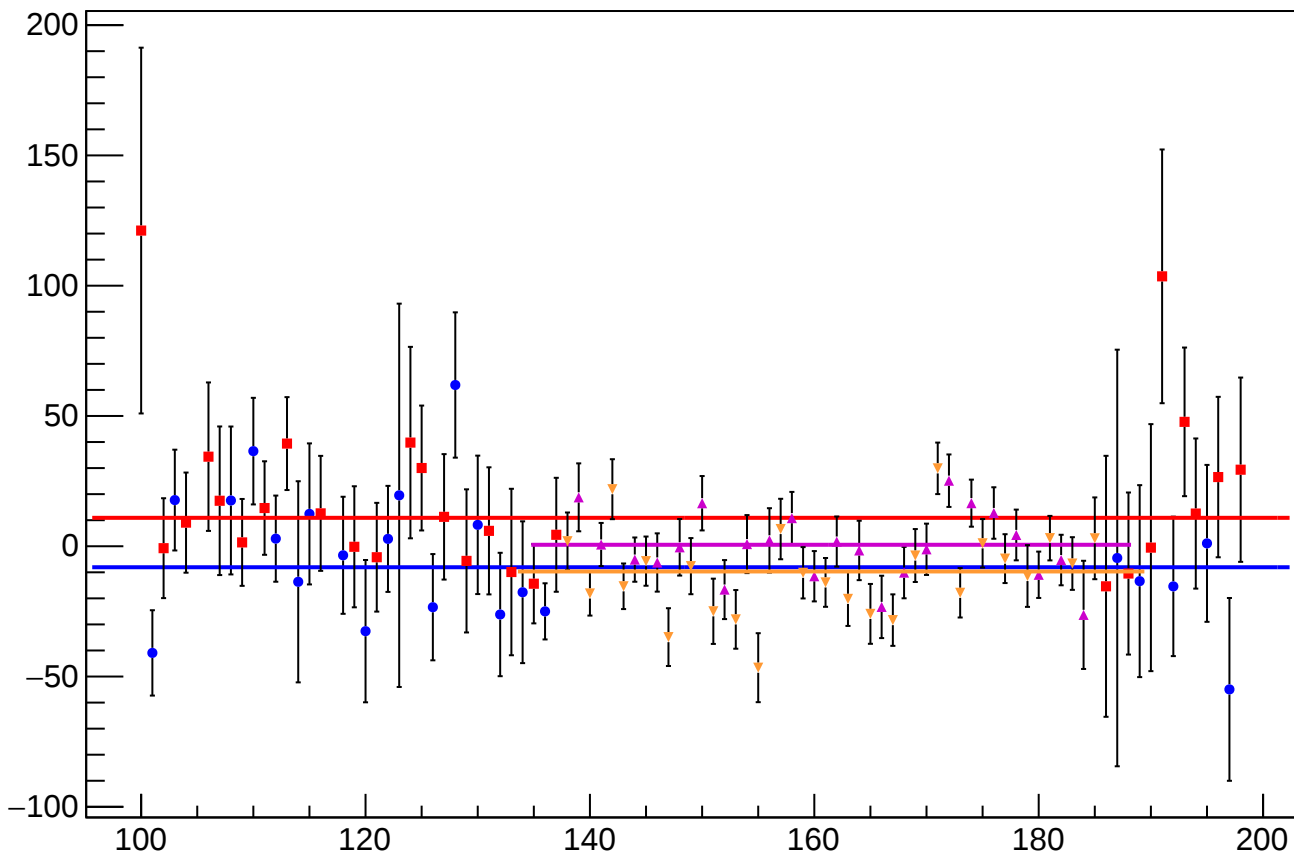
Right: 6701.486 $\pm$ 1.066 χ^2/NDF : 3526893.0/48

In: 6954.549 $\pm$ 0.966 χ^2/NDF : 1977832.5/44

Out: 6907.228 $\pm$ 0.908 χ^2/NDF : 2522414.6/51

All: 6929.429 $\pm$ 0.662 χ^2/NDF : 4501520.2/96

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.056 ± 4.839 $\chi^2/\text{NDF}: 26.1/21$

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

Right Out: 10.911 ± 4.696 $\chi^2/\text{NDF}: 18.8/26$

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

Left: -4.755 ± 1.486 $\chi^2/\text{NDF}: 99.5/47$

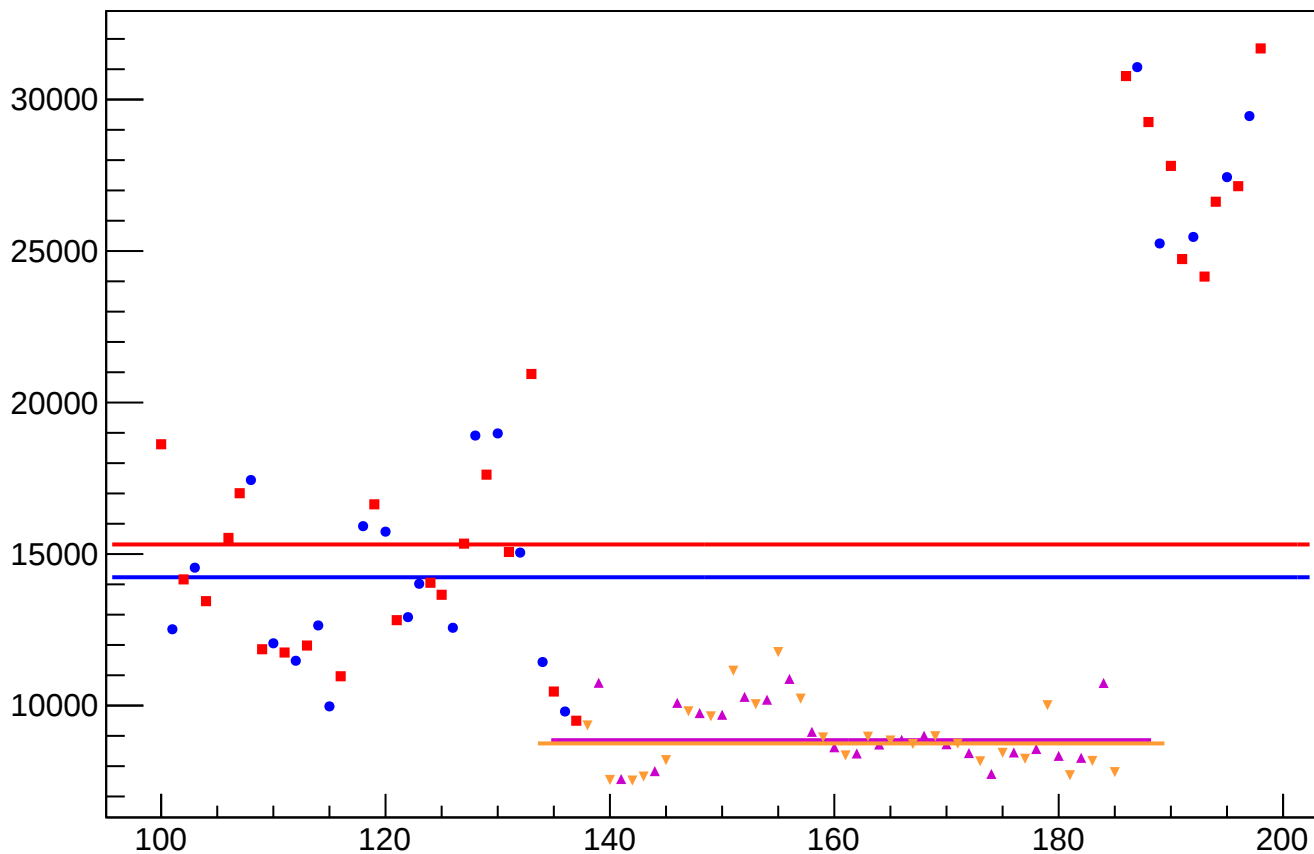
Right: 1.710 ± 3.370 $\chi^2/\text{NDF}: 52.8/48$

In: -0.851 ± 1.960 $\chi^2/\text{NDF}: 58.5/44$

Out: -6.348 ± 1.887 $\chi^2/\text{NDF}: 92.8/51$

All: -3.703 ± 1.359 $\chi^2/\text{NDF}: 155.4/96$

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 14234.588 $\pm$ 3.421 χ^2/NDF : 2080968.8/21

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

Right Out: 15316.884 $\pm$ 3.321 χ^2/NDF : 2848830.9/26

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

Left: 8801.764 $\pm$ 1.050 χ^2/NDF : 828244.3/47

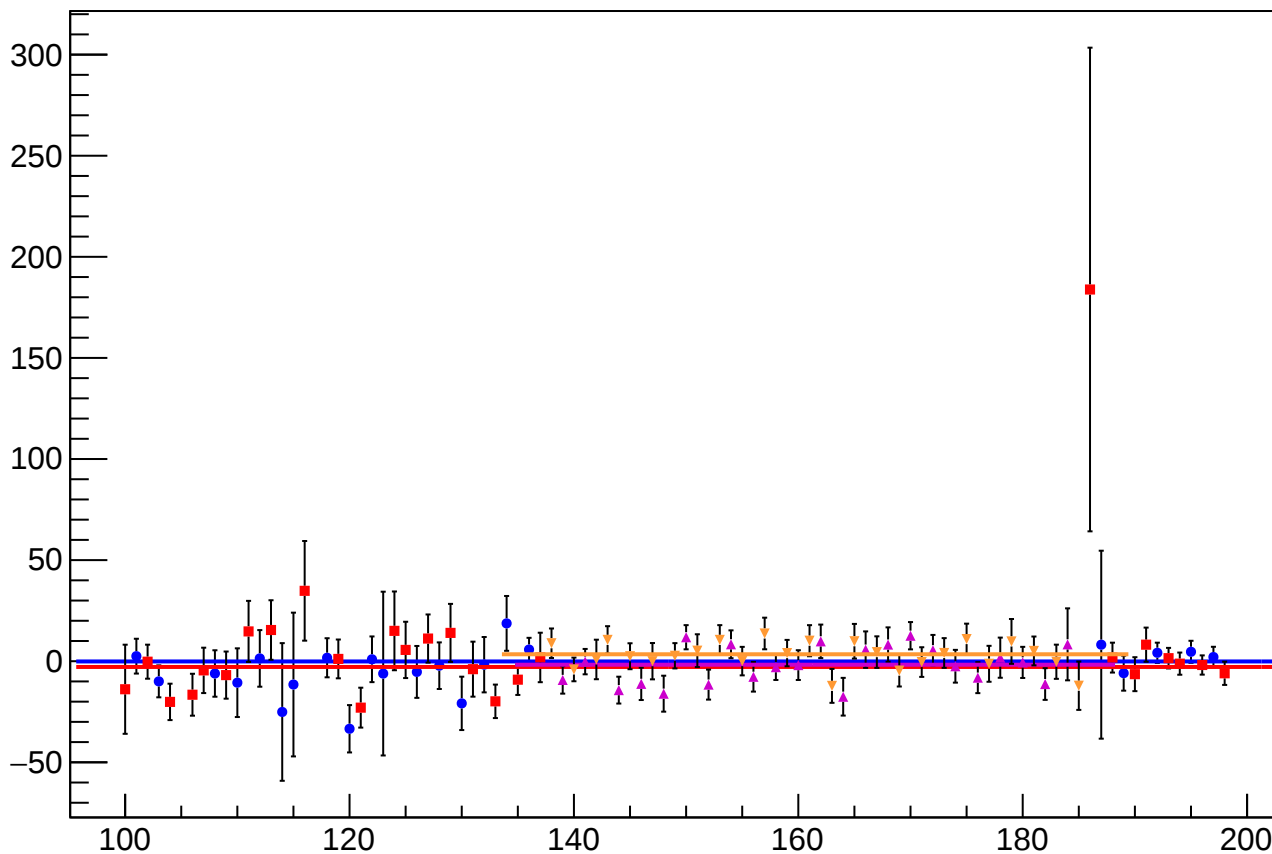
Right: 14791.869 $\pm$ 2.383 χ^2/NDF : 4981323.5/48

In: 9739.599 $\pm$ 1.386 χ^2/NDF : 4507541.4/44

Out: 9810.476 $\pm$ 1.334 χ^2/NDF : 6591327.2/51

All: 9776.381 $\pm$ 0.961 χ^2/NDF : 11100226.0/9

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -0.117 $\pm$ 1.961 χ^2/NDF : 18.9/21

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

Right Out: -2.840 $\pm$ 1.711 χ^2/NDF : 30.4/26

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

Left: 0.949 $\pm$ 1.099 χ^2/NDF : 55.3/47

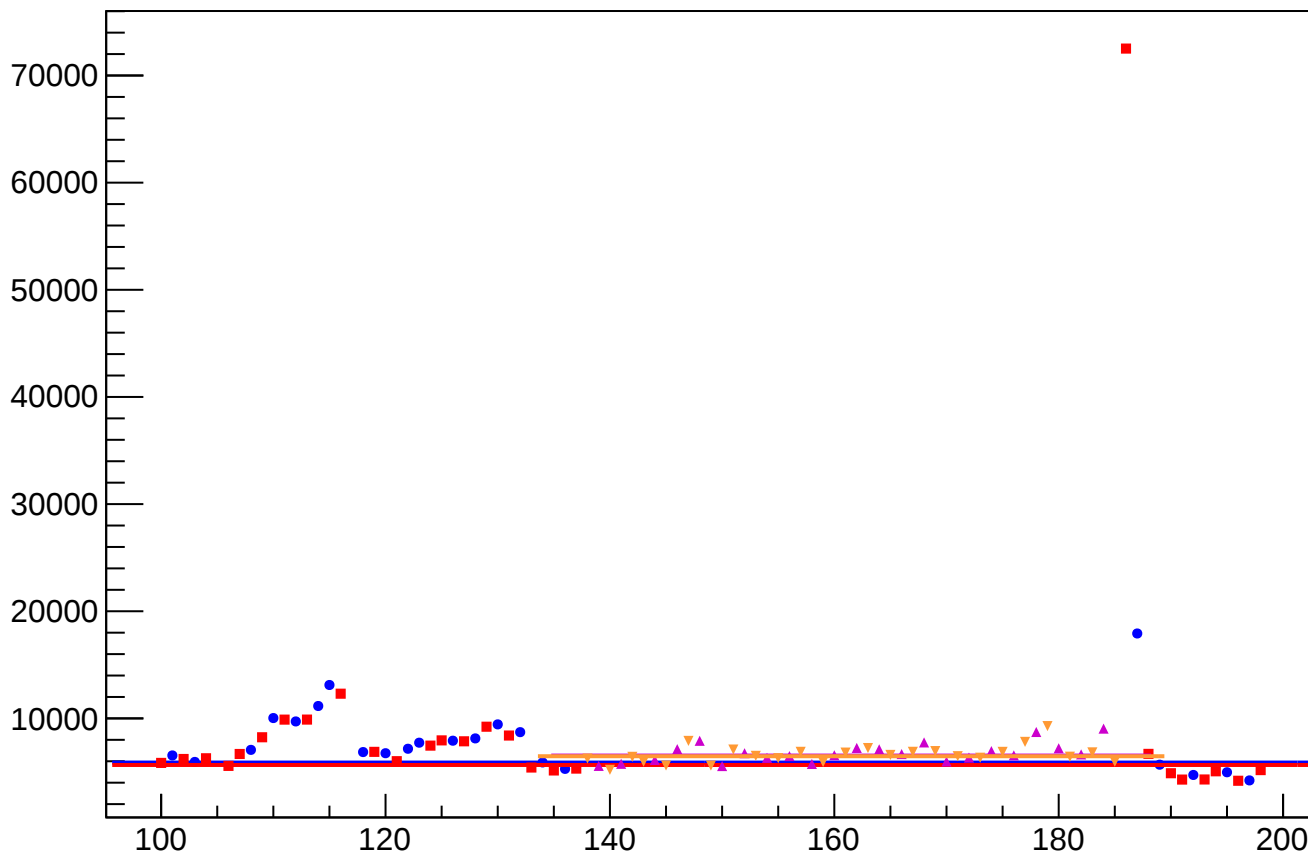
Right: -1.663 $\pm$ 1.289 χ^2/NDF : 50.4/48

In: -1.095 $\pm$ 1.233 χ^2/NDF :52.9/44

Out: 0.654 $\pm$ 1.139 χ^2/NDF :54.1/51

All: -0.151 $\pm$ 0.837 χ^2/NDF : 108.1/96

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 5878.361 $\pm$ 1.387 χ^2/NDF : 1389772.9/21

Left Out: 6468.872 $\pm$ 1.079 χ^2/NDF : 487187.3/24

Right Out: 5653.559 $\pm$ 1.210 χ^2/NDF : 2099104.8/26

Left In: 6530.954 $\pm$ 1.121 χ^2/NDF : 464668.6/22

Left: 6498.713 $\pm$ 0.777 χ^2/NDF : 953447.7/47

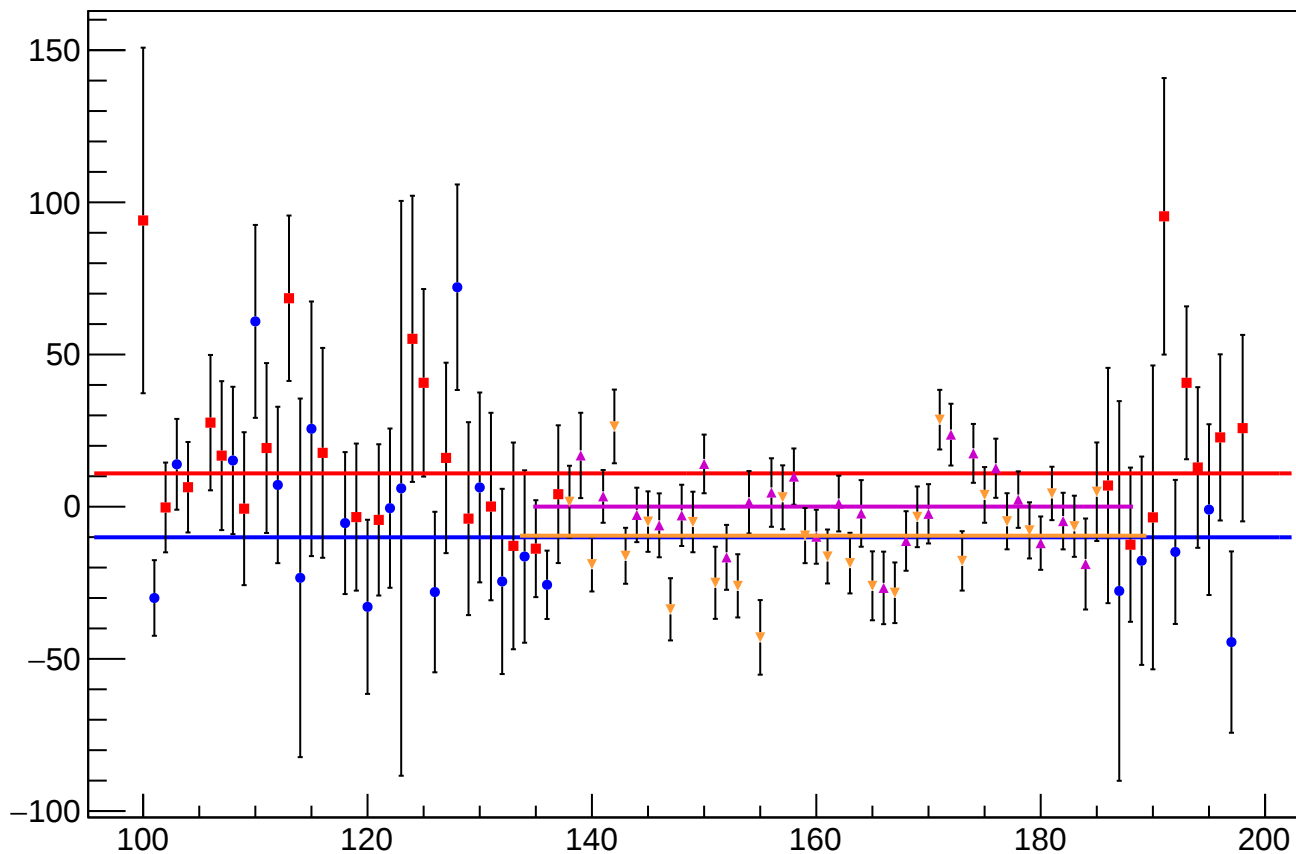
Right: 5750.702 $\pm$ 0.912 χ^2/NDF : 3503801.7/48

In: 6272.937 $\pm$ 0.872 χ^2/NDF : 1988349.3/44

Out: 6107.684 $\pm$ 0.805 χ^2/NDF : 2839325.6/51

All: 6183.737 $\pm$ 0.592 χ^2/NDF : 4847063.1/96

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.054 ± 5.027 $\chi^2/\text{NDF}: 23.8/21$

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

Right Out: 10.947 ± 4.914 $\chi^2/\text{NDF}: 20.4/26$

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

Left: -4.902 ± 1.447 $\chi^2/\text{NDF}: 100.3/47$

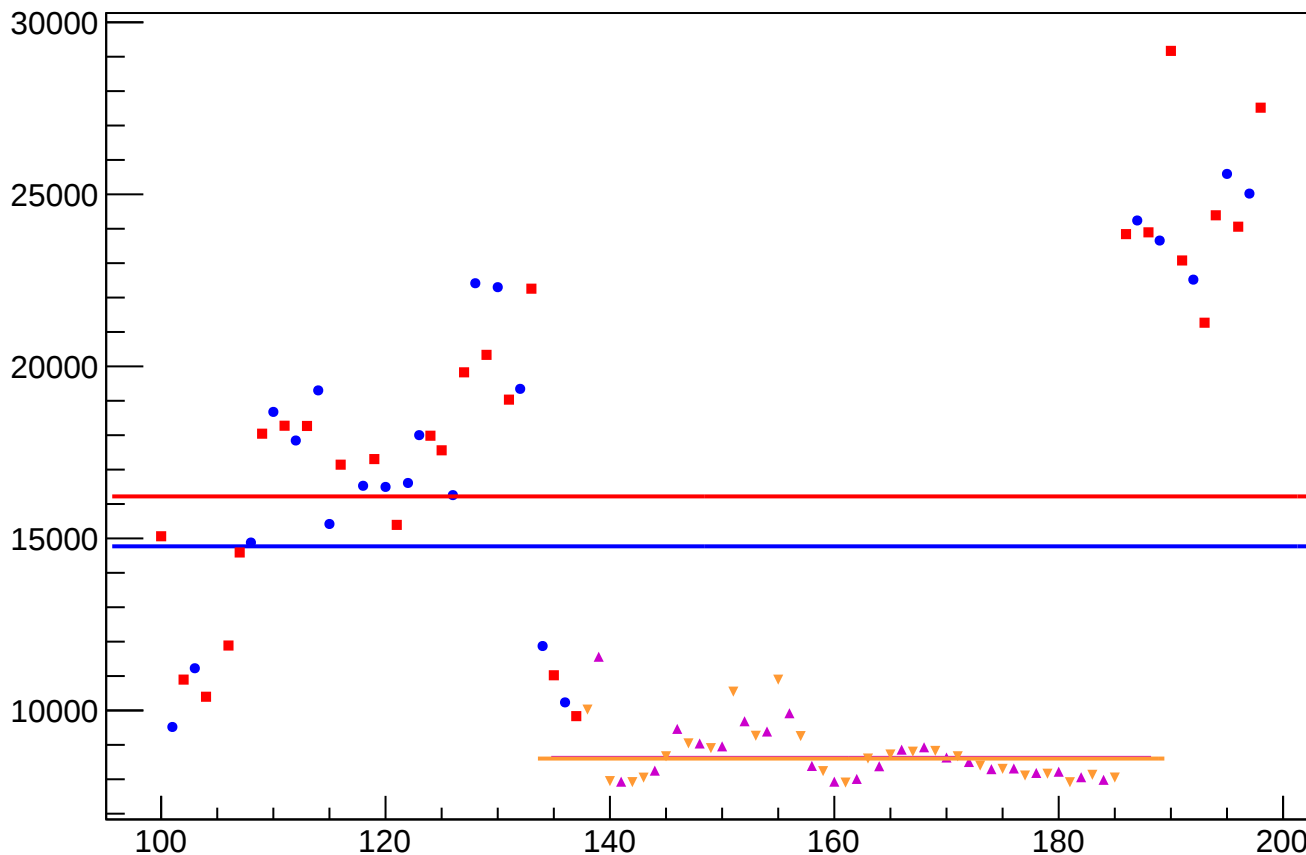
Right: 0.684 ± 3.514 $\chi^2/\text{NDF}: 53.1/48$

In: -1.447 ± 1.922 $\chi^2/\text{NDF}: 57.1/44$

Out: -6.581 ± 1.865 $\chi^2/\text{NDF}: 94.8/51$

All: -4.092 ± 1.338 $\chi^2/\text{NDF}: 155.6/96$

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 14770.059+/-3.555 χ^2/NDF : 2120268.9/21

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

Right Out: 16220.984+/-3.475 χ^2/NDF : 2363492.9/26

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

Left: 8611.634+/-1.023 χ^2/NDF : 479823.8/47

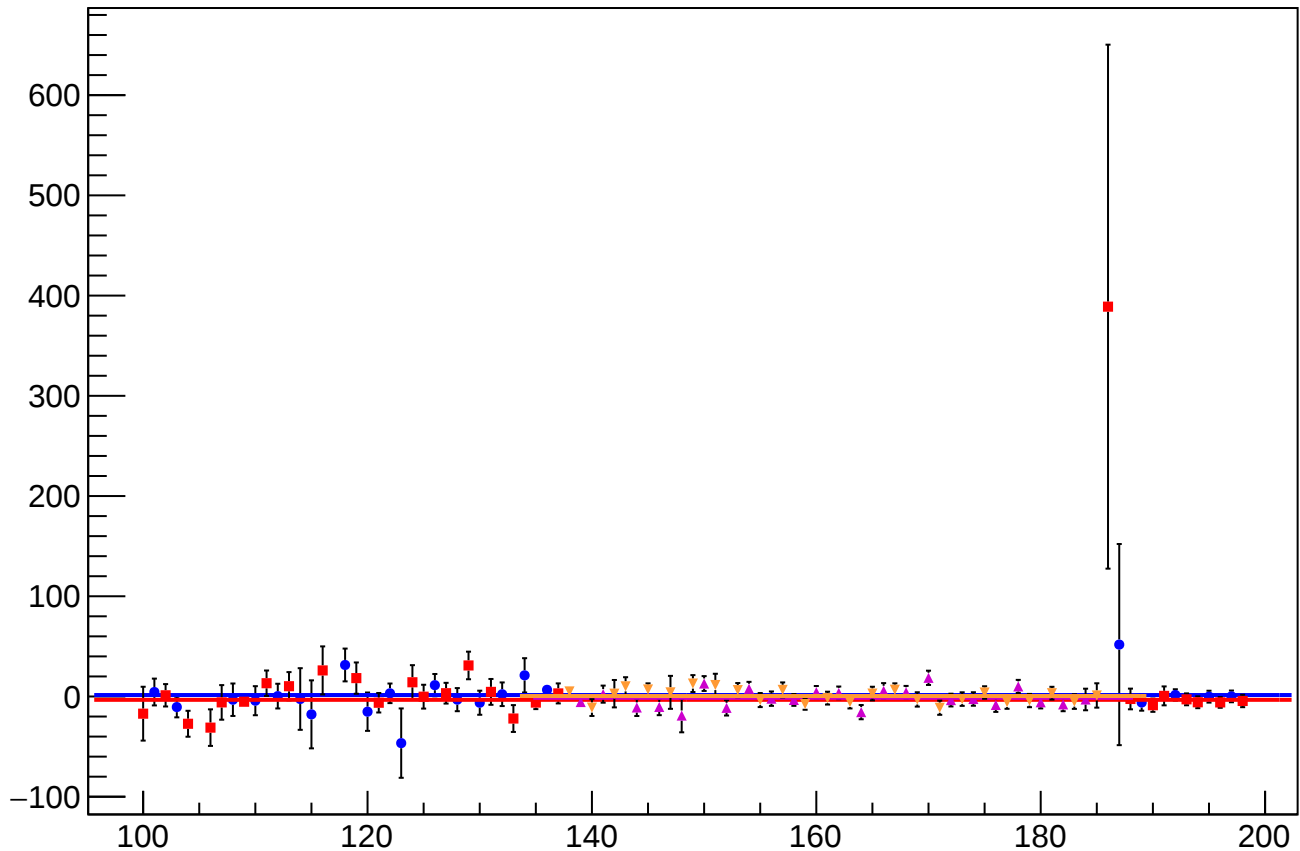
Right: 15511.957+/-2.485 χ^2/NDF : 4568952.5/48

In: 9520.554+/-1.359 χ^2/NDF : 4905328.5/44

Out: 9698.670+/-1.318 χ^2/NDF : 6727555.6/51

All: 9612.307+/-0.946 χ^2/NDF : 11641733.5/95

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 1.460 ± 2.062 $\chi^2/\text{NDF}: 13.3/21$

Left Out: 0.481 ± 1.419 $\chi^2/\text{NDF}: 19.6/24$

Right Out: -3.330 ± 1.743 $\chi^2/\text{NDF}: 26.7/26$

Left In: -1.298 ± 1.406 $\chi^2/\text{NDF}: 33.0/22$

Left: -0.417 ± 0.999 $\chi^2/\text{NDF}: 53.4/47$

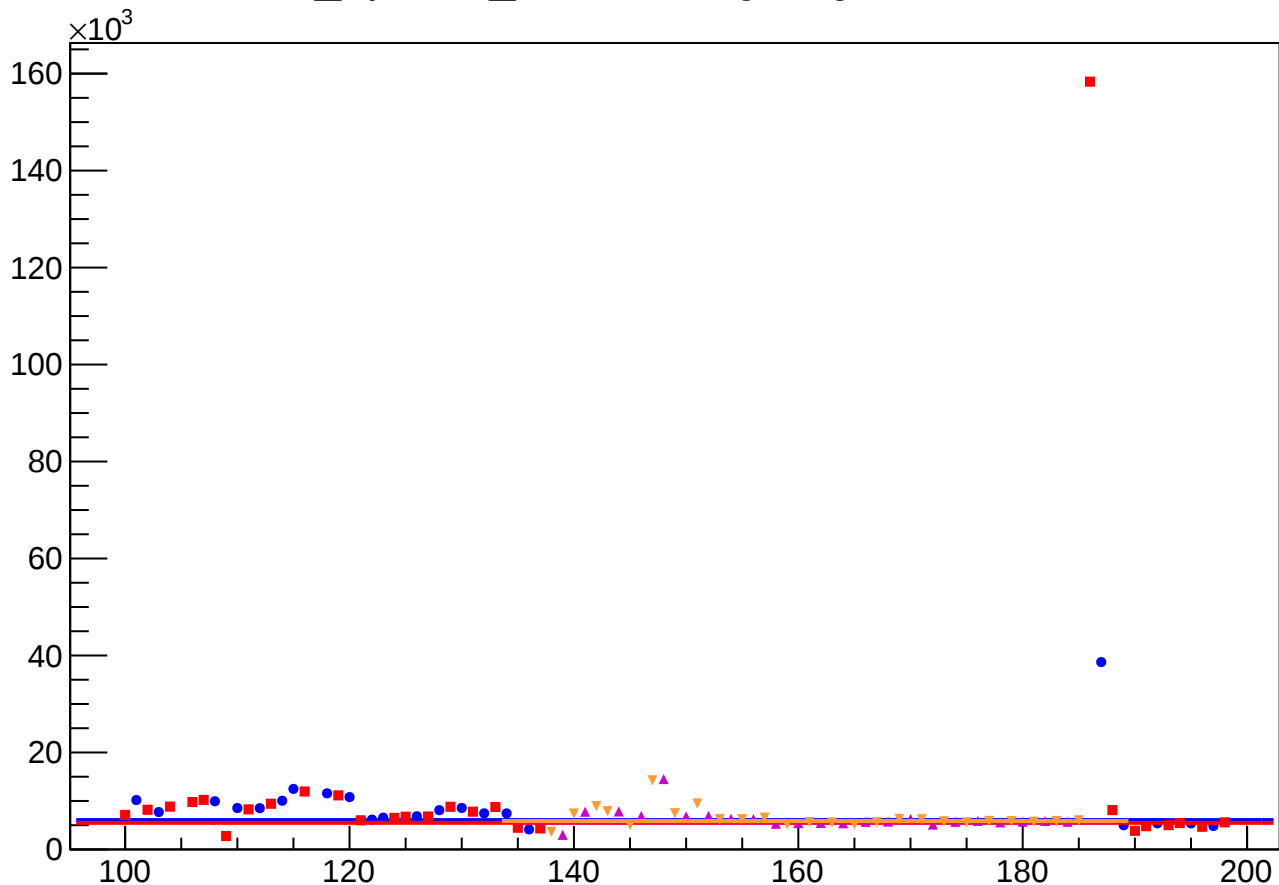
Right: -1.333 ± 1.331 $\chi^2/\text{NDF}: 43.1/48$

In: -0.423 ± 1.162 $\chi^2/\text{NDF}: 47.5/44$

Out: -1.038 ± 1.101 $\chi^2/\text{NDF}: 49.1/51$

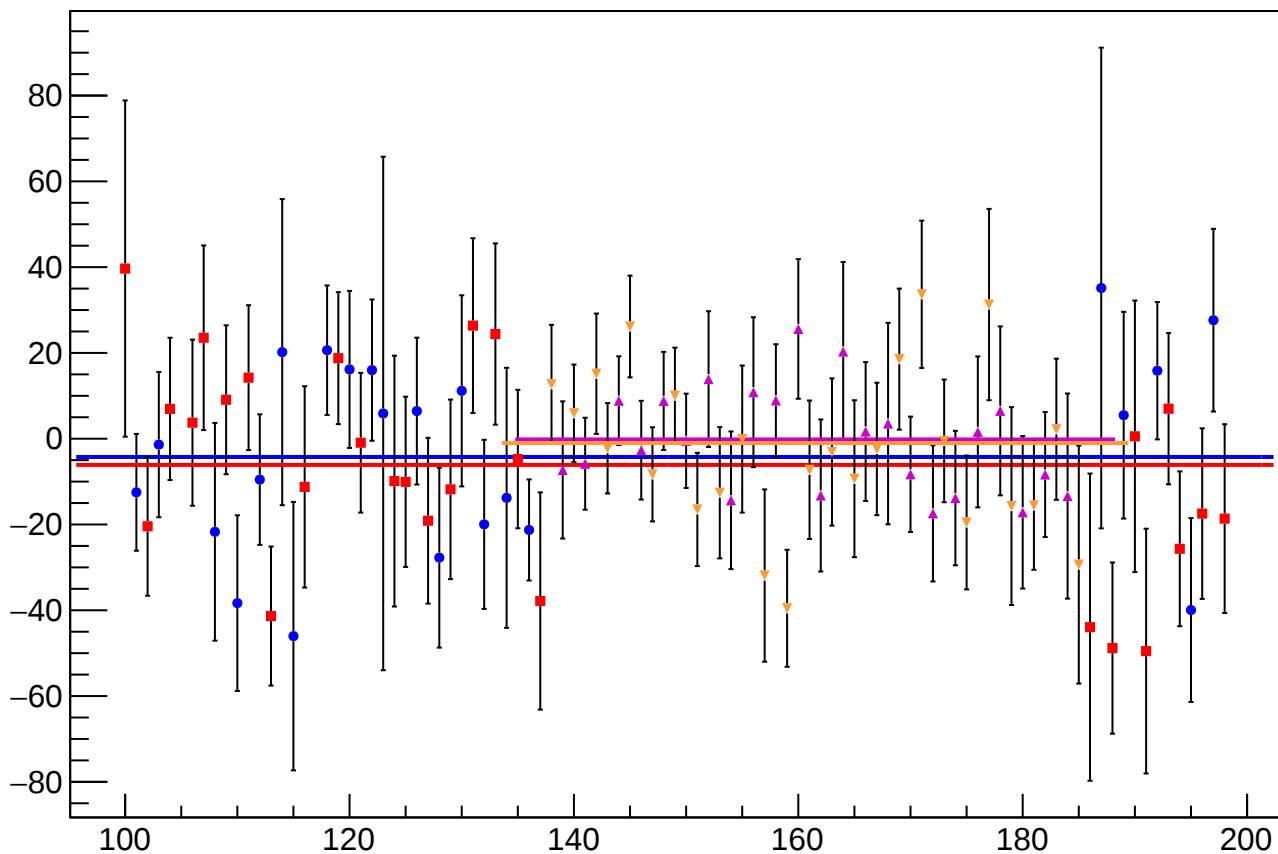
All: -0.747 ± 0.799 $\chi^2/\text{NDF}: 96.8/96$

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6053.197+/-1.458	χ^2/NDF : 1895151.6/21	Left: 5726.555+/-0.706	χ^2/NDF : 3815425.5/47
Left Out: 5858.642+/-1.004	χ^2/NDF : 1691344.1/24	Right: 5725.084+/-0.941	χ^2/NDF : 5312449.9/48
Right Out: 5490.552+/-1.233	χ^2/NDF : 3330462.6/26	In: 5741.732+/-0.822	χ^2/NDF : 4051754.1/44
Left In: 5596.879+/-0.994	χ^2/NDF : 2089750.1/22	Out: 5711.928+/-0.778	χ^2/NDF : 5075429.2/51
		All: 5726.025+/-0.565	χ^2/NDF : 9127877.0/96

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.261 ± 4.111 $\chi^2/\text{NDF}: 23.7/21$

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

Right Out: -6.108 ± 3.821 $\chi^2/\text{NDF}: 31.8/26$

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

Left: -0.607 ± 2.123 $\chi^2/\text{NDF}: 45.9/47$

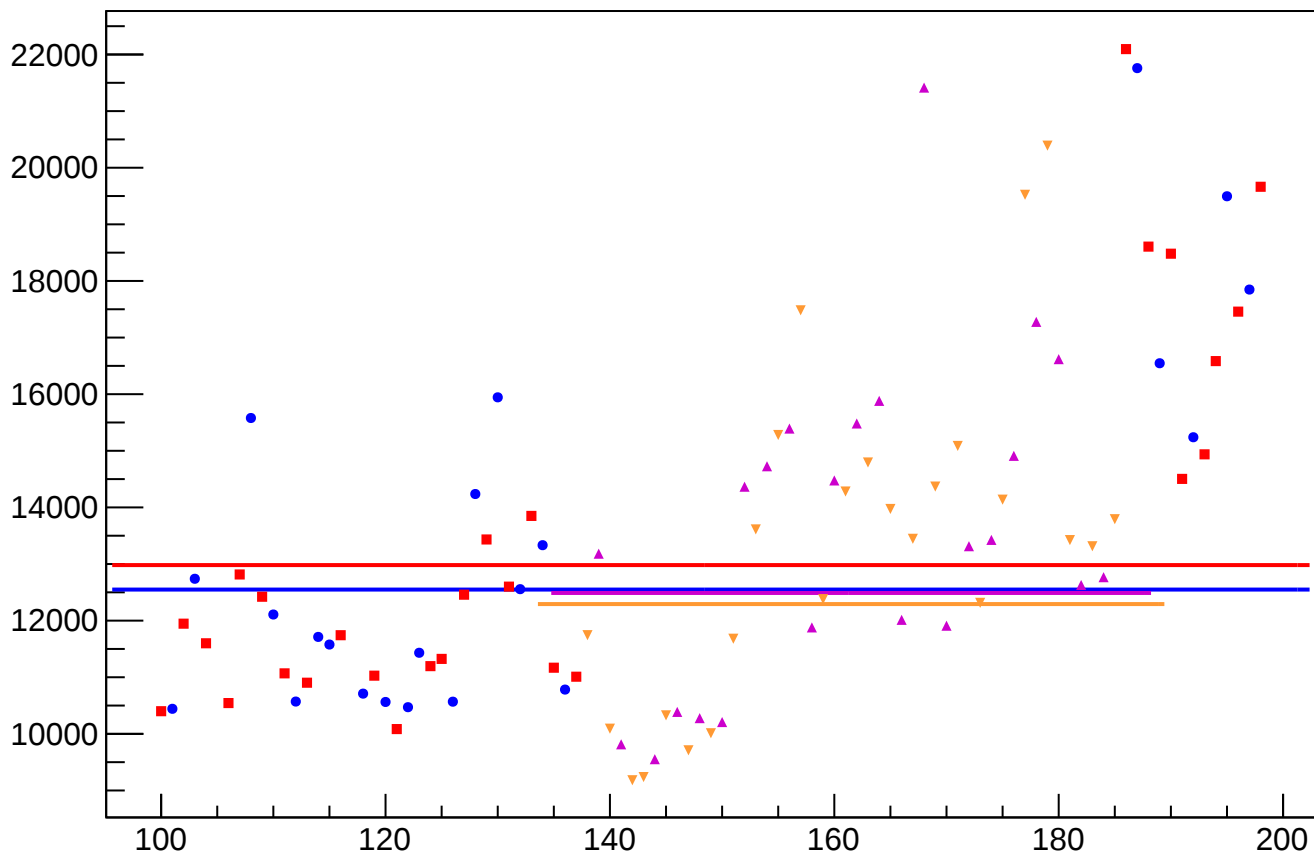
Right: -5.252 ± 2.799 $\chi^2/\text{NDF}: 55.7/48$

In: -1.634 ± 2.458 $\chi^2/\text{NDF}: 36.7/44$

Out: -2.905 ± 2.331 $\chi^2/\text{NDF}: 66.4/51$

All: -2.303 ± 1.692 $\chi^2/\text{NDF}: 103.3/96$

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 12548.775 $\pm$ 2.907

χ^2 /NDF: 831940.5/21

Left: 12386.599 $\pm$ 1.501

χ^2 /NDF: 2861298.1/47

Left Out: 12292.583 $\pm$ 2.080

χ^2 /NDF: 1502548.3/24

Right: 12780.767 $\pm$ 1.979

χ^2 /NDF: 1877805.5/48

Right Out: 12981.192 $\pm$ 2.702

χ^2 /NDF: 1033995.0/26

In: 12510.259 $\pm$ 1.738

χ^2 /NDF: 2186699.2/44

Out: 12548.797 $\pm$ 1.648

χ^2 /NDF: 2577323.6/51

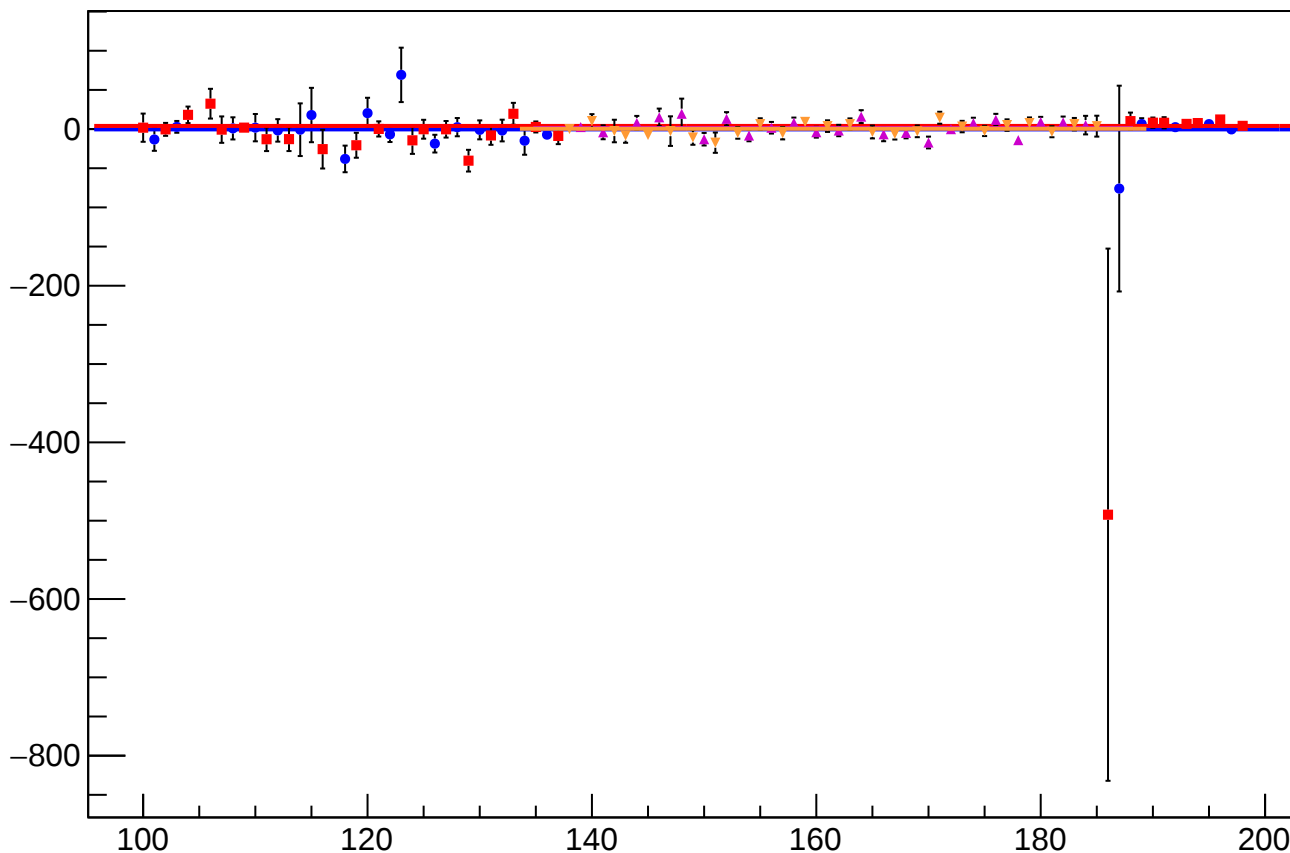
Left In: 12488.821 $\pm$ 2.169

χ^2 /NDF: 1354485.4/22

All: 12530.553 $\pm$ 1.196

χ^2 /NDF: 4764281.6/9

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -0.421 ± 1.903 χ^2/NDF : 20.5/21

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

Right Out: 4.020 ± 1.605 χ^2/NDF : 33.2/26

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

Left: 0.859 ± 0.997 χ^2/NDF : 53.5/47

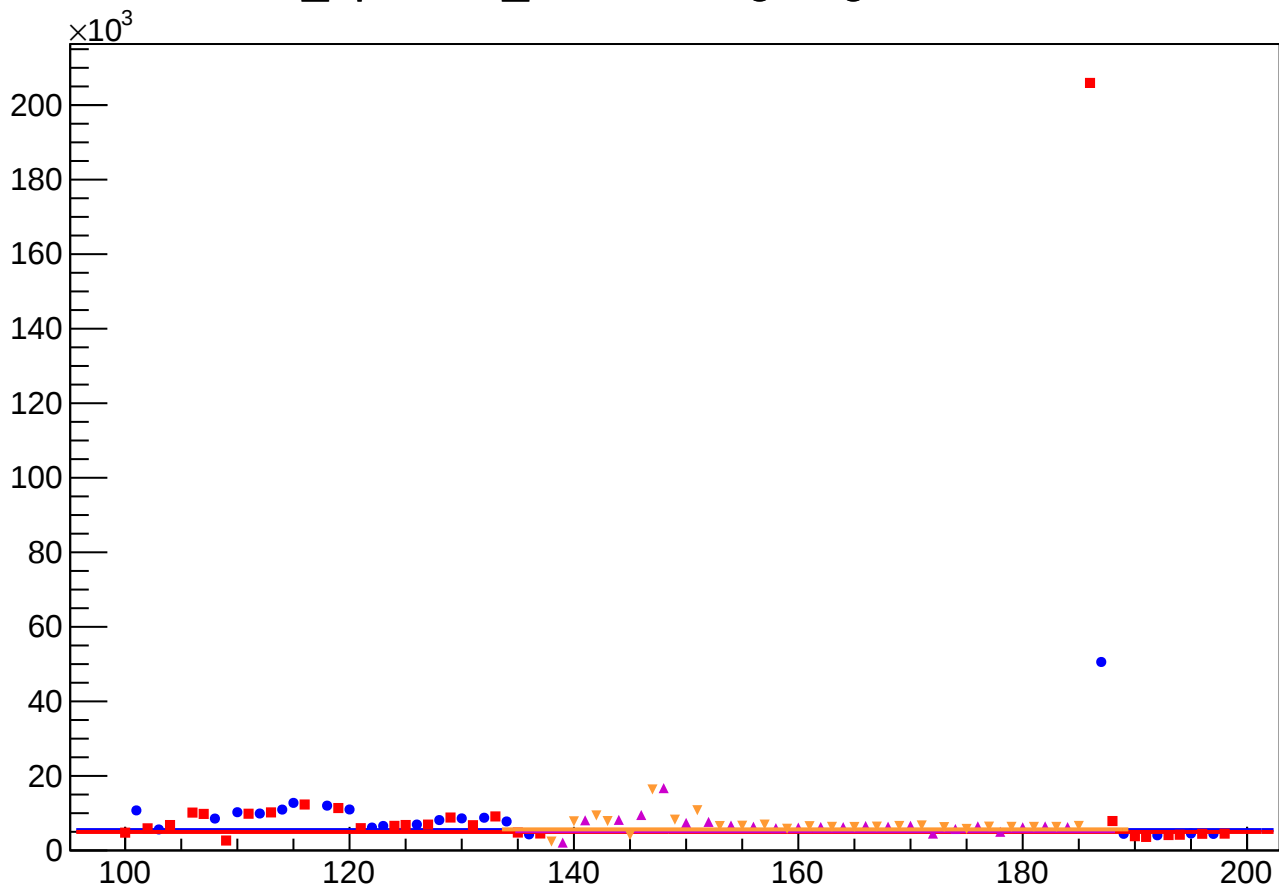
Right: 2.173 ± 1.227 χ^2/NDF : 56.9/48

In: 0.689 ± 1.120 χ^2/NDF : 55.0/44

Out: 2.013 ± 1.070 χ^2/NDF : 55.3/51

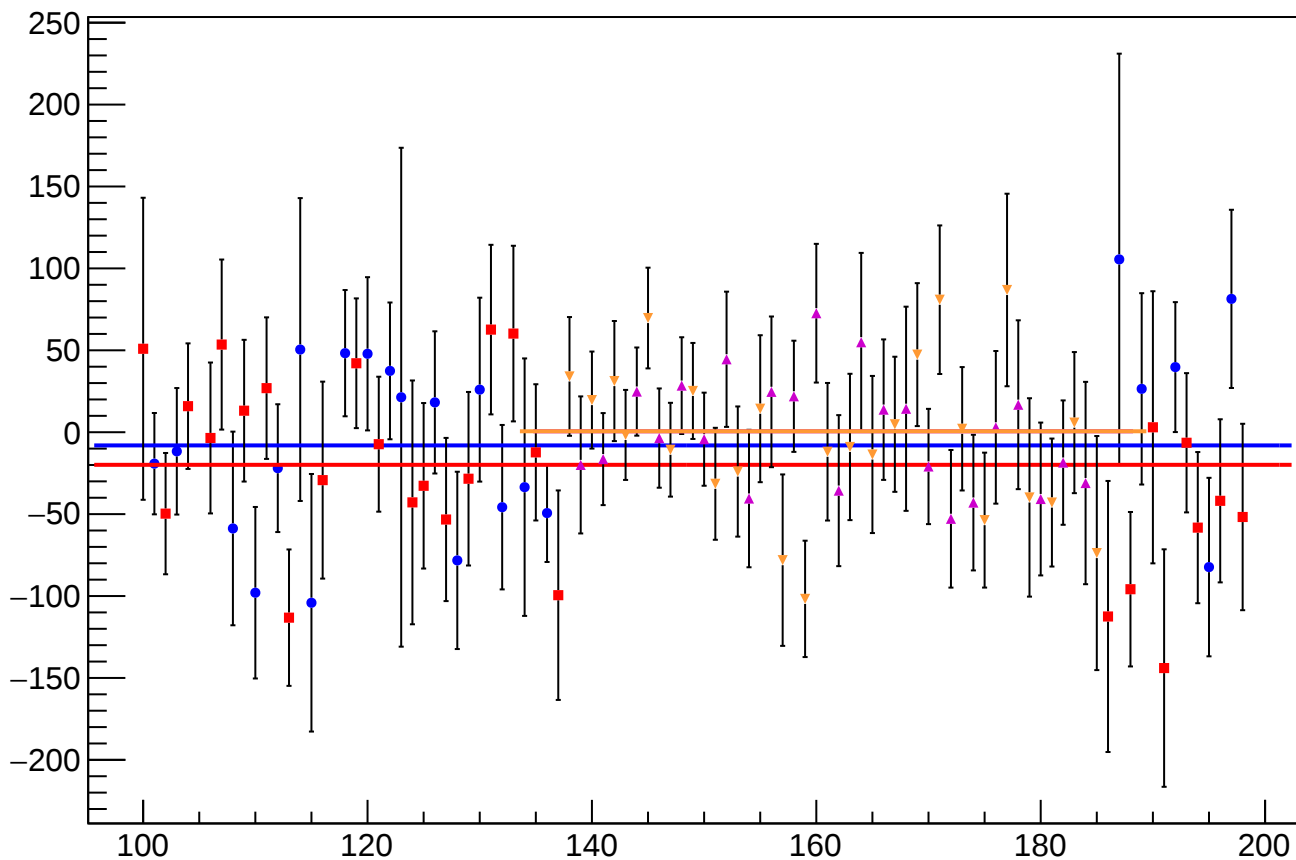
All: 1.382 ± 0.774 χ^2/NDF : 111.0/96

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 5464.878 $\pm$ 1.346	χ^2/NDF : 2483266.0/21	Left: 5409.966 $\pm$ 0.705	χ^2/NDF : 9587556.1/47
Left Out: 5655.639 $\pm$ 1.014	χ^2/NDF : 4124124.3/24	Right: 5172.345 $\pm$ 0.868	χ^2/NDF : 6052932.8/48
Right Out: 4964.155 $\pm$ 1.135	χ^2/NDF : 3488761.3/26	In: 5279.207 $\pm$ 0.792	χ^2/NDF : 7862458.6/44
Left In: 5180.743 $\pm$ 0.980	χ^2/NDF : 5350053.6/22	Out: 5348.605 $\pm$ 0.756	χ^2/NDF : 7819206.0/51
		All: 5315.505 $\pm$ 0.547	χ^2/NDF : 15685679.5/9

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -8.052 $\pm$ 10.213 χ^2/NDF : 22.8/21

Left Out: 0.580 $\pm$ 7.691 χ^2/NDF : 31.0/24

Right Out: -19.902 $\pm$ 9.507 χ^2/NDF : 28.7/26

Left In: 0.565 $\pm$ 8.015 χ^2/NDF : 14.3/22

Left: 0.572 $\pm$ 5.549 χ^2/NDF : 45.3/47

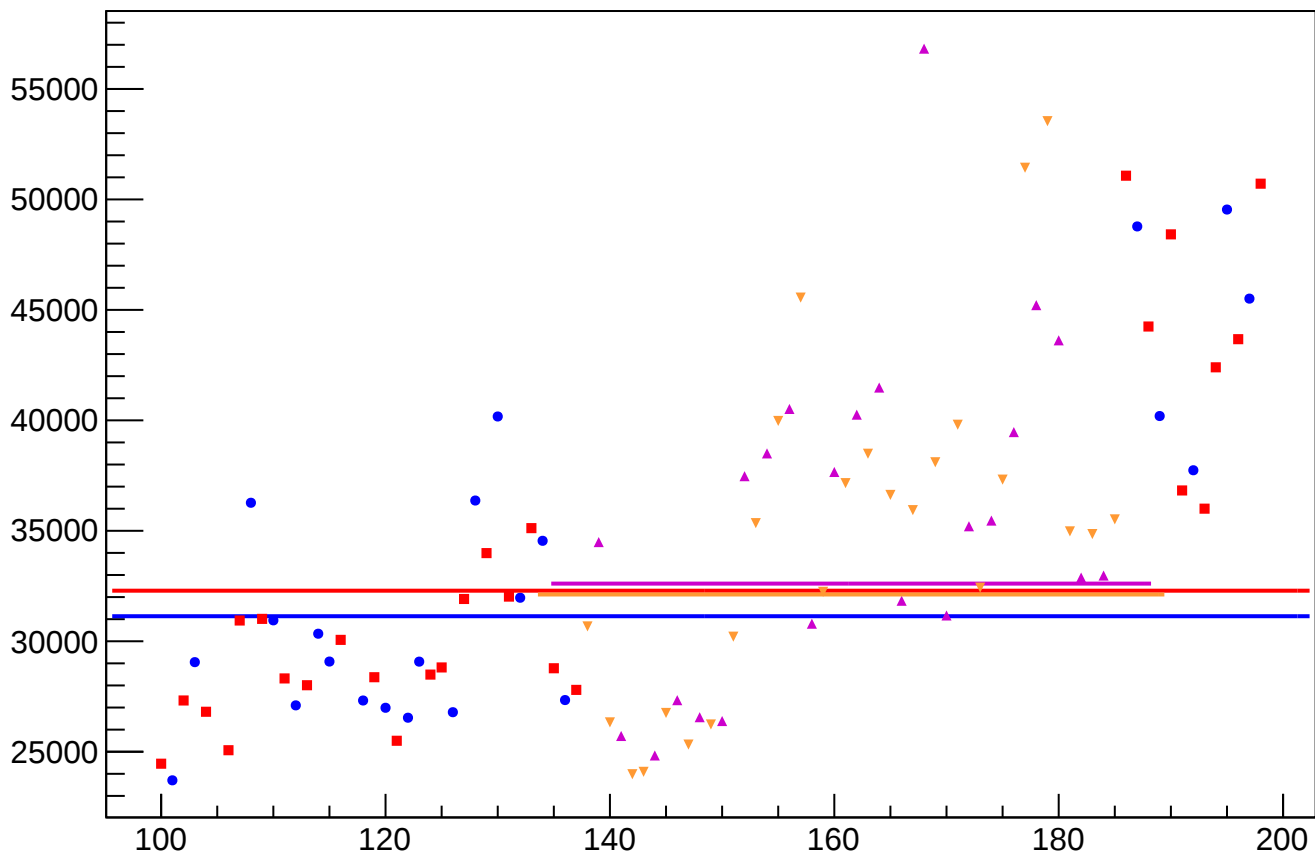
Right: -14.401 $\pm$ 6.959 χ^2/NDF : 52.3/48

In: -2.719 $\pm$ 6.305 χ^2/NDF : 37.5/44

Out: -7.522 $\pm$ 5.979 χ^2/NDF : 62.5/51

All: -5.248 $\pm$ 4.338 χ^2/NDF : 100.4/96

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 31133.718+/-7.222

χ^2/NDF : 857531.8/21

Left: 32353.483+/-3.924 χ^2/NDF : 2939154.5/47

Right: 31752.914+/-4.920 χ^2/NDF : 1916847.0/48

Left Out: 32117.184+/-5.438

χ^2/NDF : 1536740.0/24

In: 32047.443+/-4.458 χ^2/NDF : 2281873.5/44

Out: 32185.310+/-4.228 χ^2/NDF : 2582731.0/51

Right Out: 32289.410+/-6.722

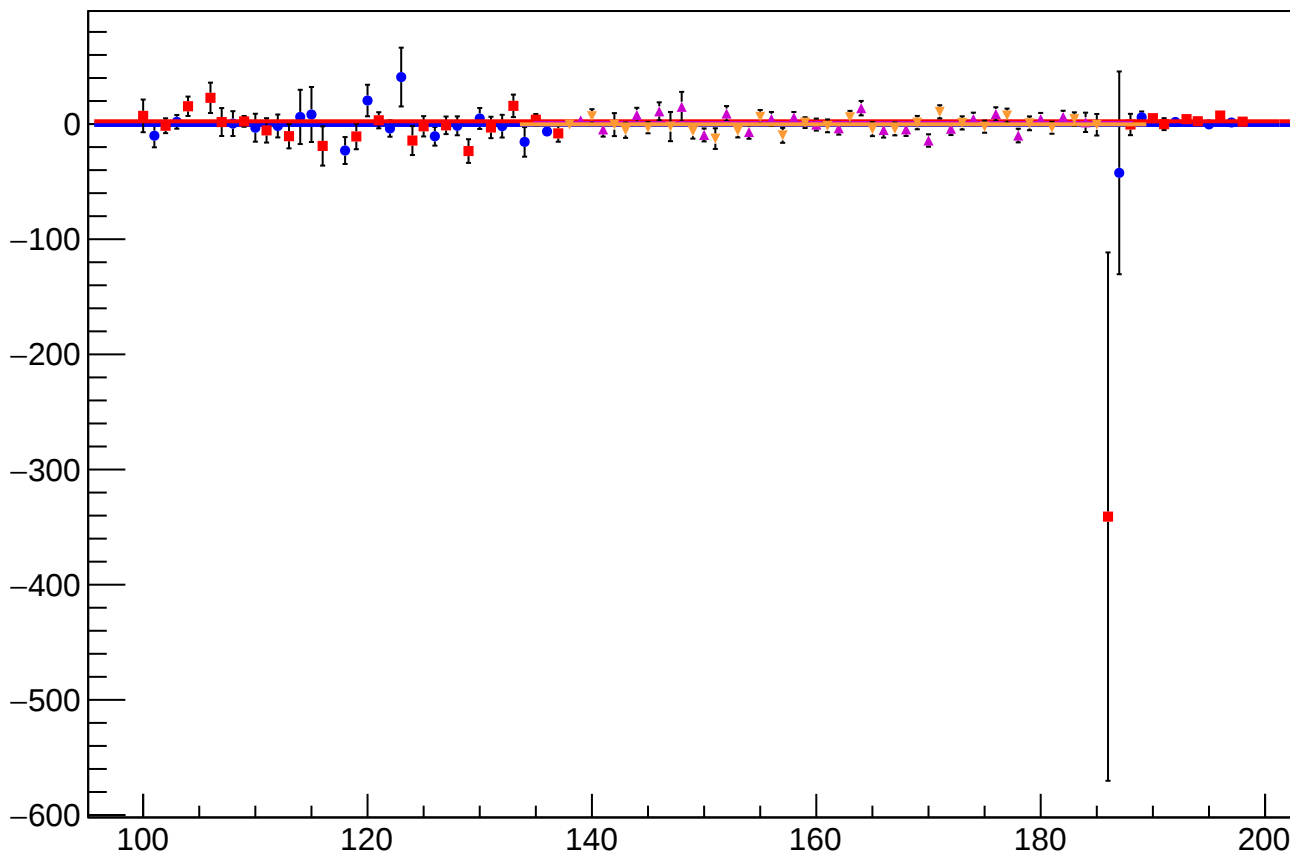
χ^2/NDF : 1045594.3/26

Left In: 32610.108+/-5.667

χ^2/NDF : 1398475.8/22

All: 32120.031+/-3.068 χ^2/NDF : 4865108.0/9

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -0.777 ± 1.322 χ^2/NDF : 19.2/21

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

Right Out: 2.407 ± 1.158 χ^2/NDF : 29.0/26

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

Left: 0.345 ± 0.822 χ^2/NDF : 54.7/47

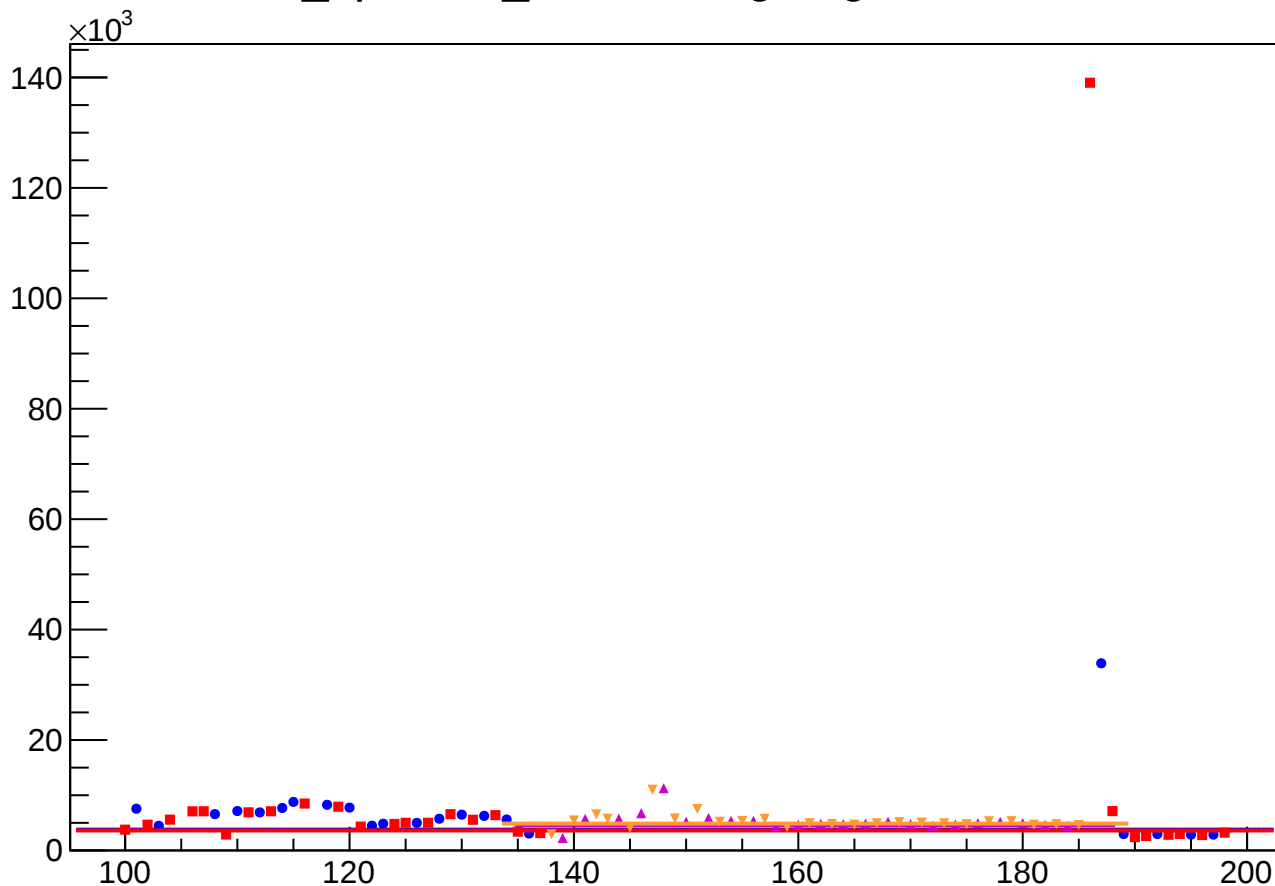
Right: 1.025 ± 0.871 χ^2/NDF : 51.5/48

In: 0.190 ± 0.869 χ^2/NDF : 56.3/44

Out: 1.093 ± 0.824 χ^2/NDF : 49.6/51

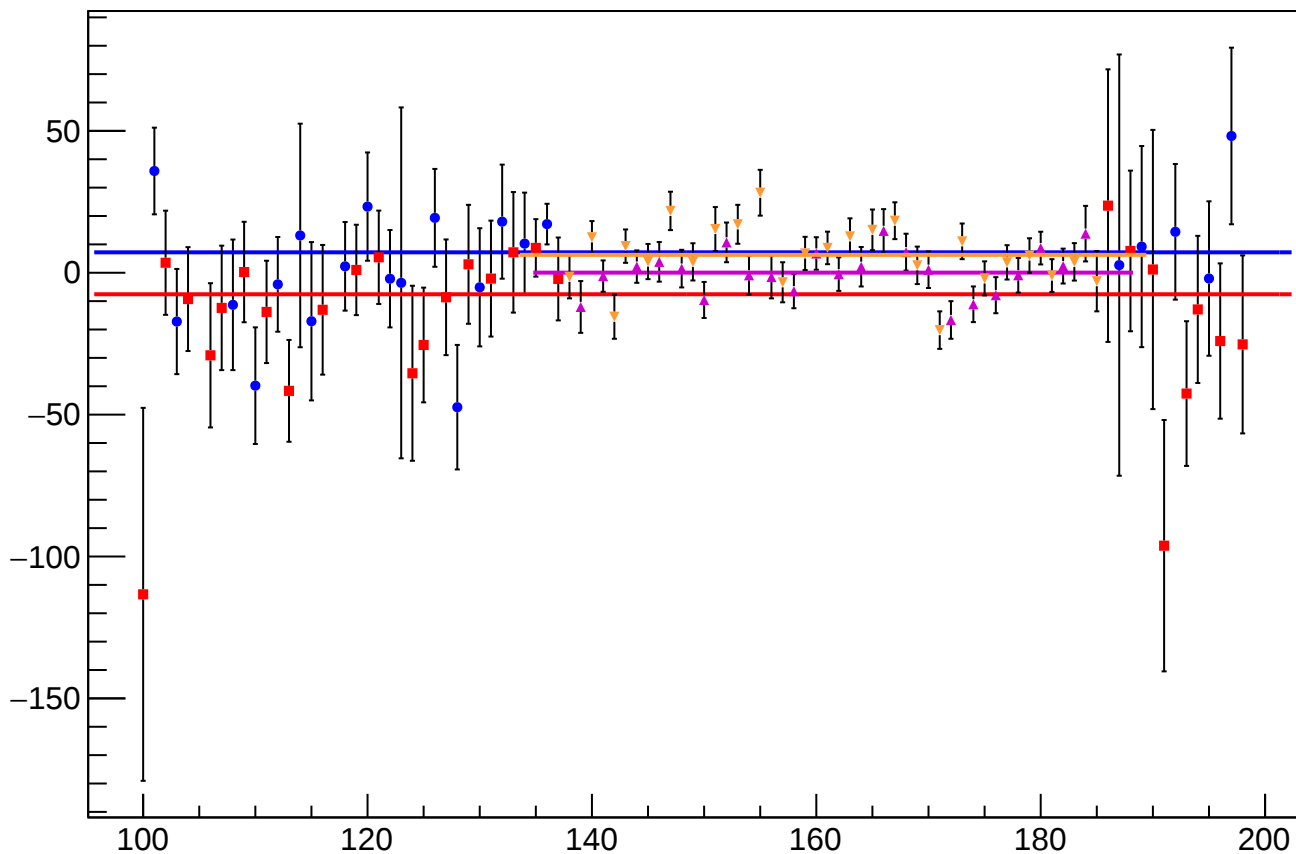
All: 0.665 ± 0.598 χ^2/NDF : 106.5/96

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 3771.871 $\pm$ 0.935	χ^2/NDF : 2744749.8/21	Left: 4722.017 $\pm$ 0.582	χ^2/NDF : 4049906.1/47
Left Out: 4866.528 $\pm$ 0.829	χ^2/NDF : 1511486.2/24	Right: 3683.506 $\pm$ 0.616	χ^2/NDF : 6289215.5/48
Right Out: 3615.752 $\pm$ 0.819	χ^2/NDF : 3528683.3/26	In: 4231.927 $\pm$ 0.615	χ^2/NDF : 5649913.2/44
Left In: 4582.193 $\pm$ 0.816	χ^2/NDF : 2478681.0/22	Out: 4233.038 $\pm$ 0.583	χ^2/NDF : 6192153.7/51
		All: 4232.512 $\pm$ 0.423	χ^2/NDF : 11842068.6/95

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.200 ± 3.910 χ^2/NDF : 24.7/21

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

Right Out: -7.579 ± 3.954 χ^2/NDF : 21.1/26

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

Left: 3.279 ± 0.944 χ^2/NDF : 97.7/47

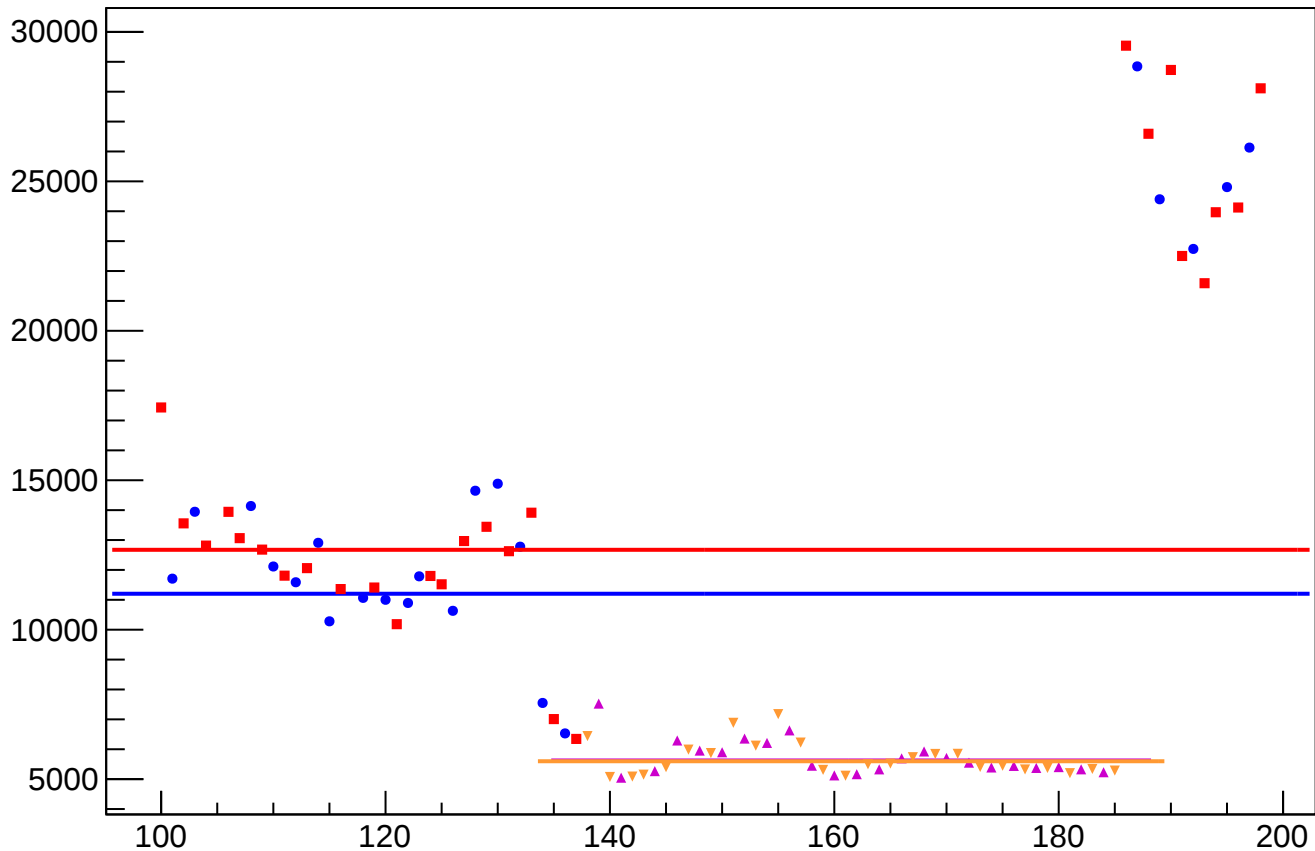
Right: -0.106 ± 2.780 χ^2/NDF : 52.9/48

In: 0.814 ± 1.283 χ^2/NDF : 57.7/44

Out: 4.924 ± 1.246 χ^2/NDF : 88.9/51

All: 2.929 ± 0.894 χ^2/NDF : 151.9/96

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 11202.703+/-2.765 χ^2/NDF : 2968306.1/21

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

Right Out: 12672.900+/-2.796 χ^2/NDF : 3612428.1/26

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

Left: 5611.528+/-0.667 χ^2/NDF : 556207.1/47

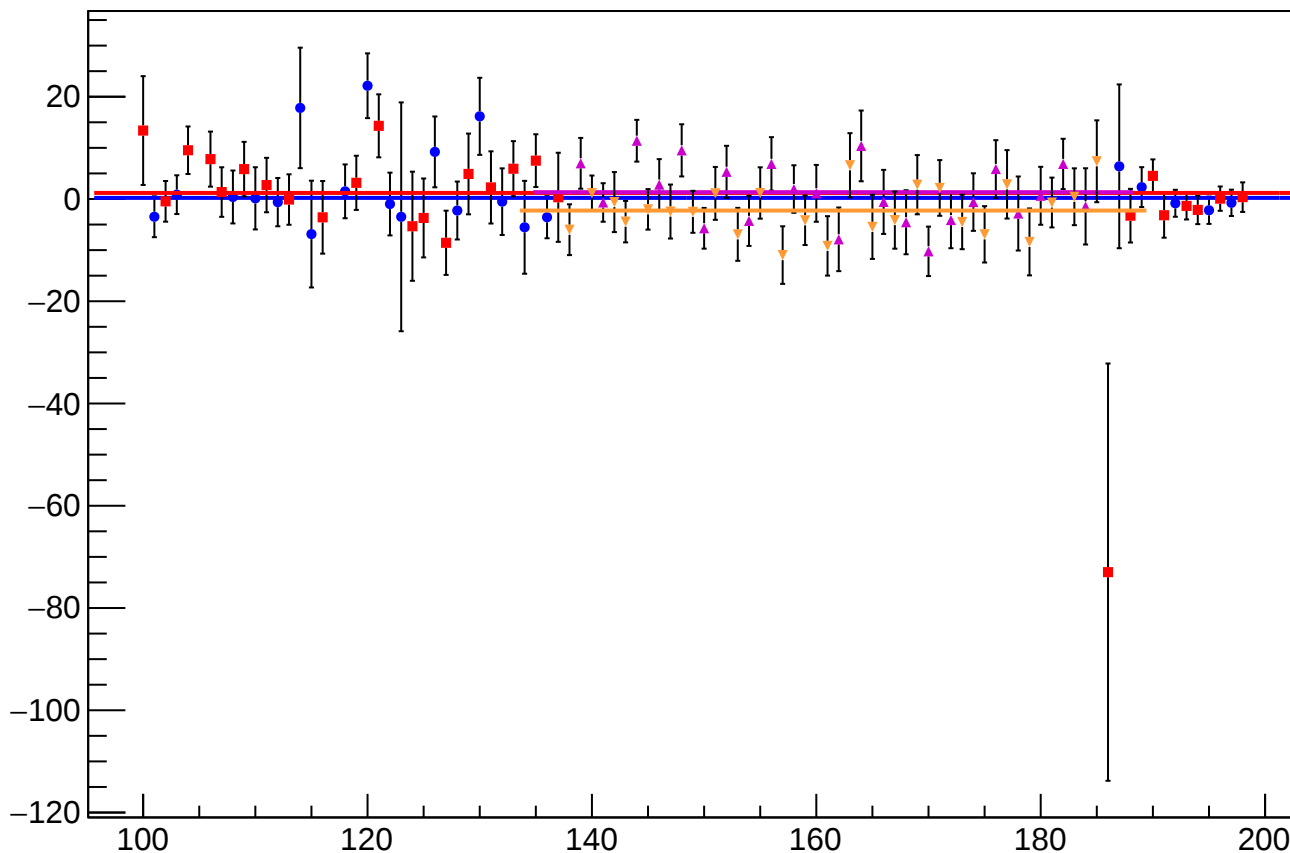
Right: 11929.471+/-1.966 χ^2/NDF : 6720528.1/48

In: 6225.382+/-0.907 χ^2/NDF : 6872945.2/44

Out: 6300.821+/-0.881 χ^2/NDF : 9661042.5/51

All: 6264.201+/-0.632 χ^2/NDF : 16537548.0/95

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 0.216 $\pm$ 0.992 χ^2/NDF : 24.9/21

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

Right Out: 1.183 $\pm$ 0.873 χ^2/NDF : 26.7/26

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

Left: -0.555 $\pm$ 0.746 χ^2/NDF : 51.9/47

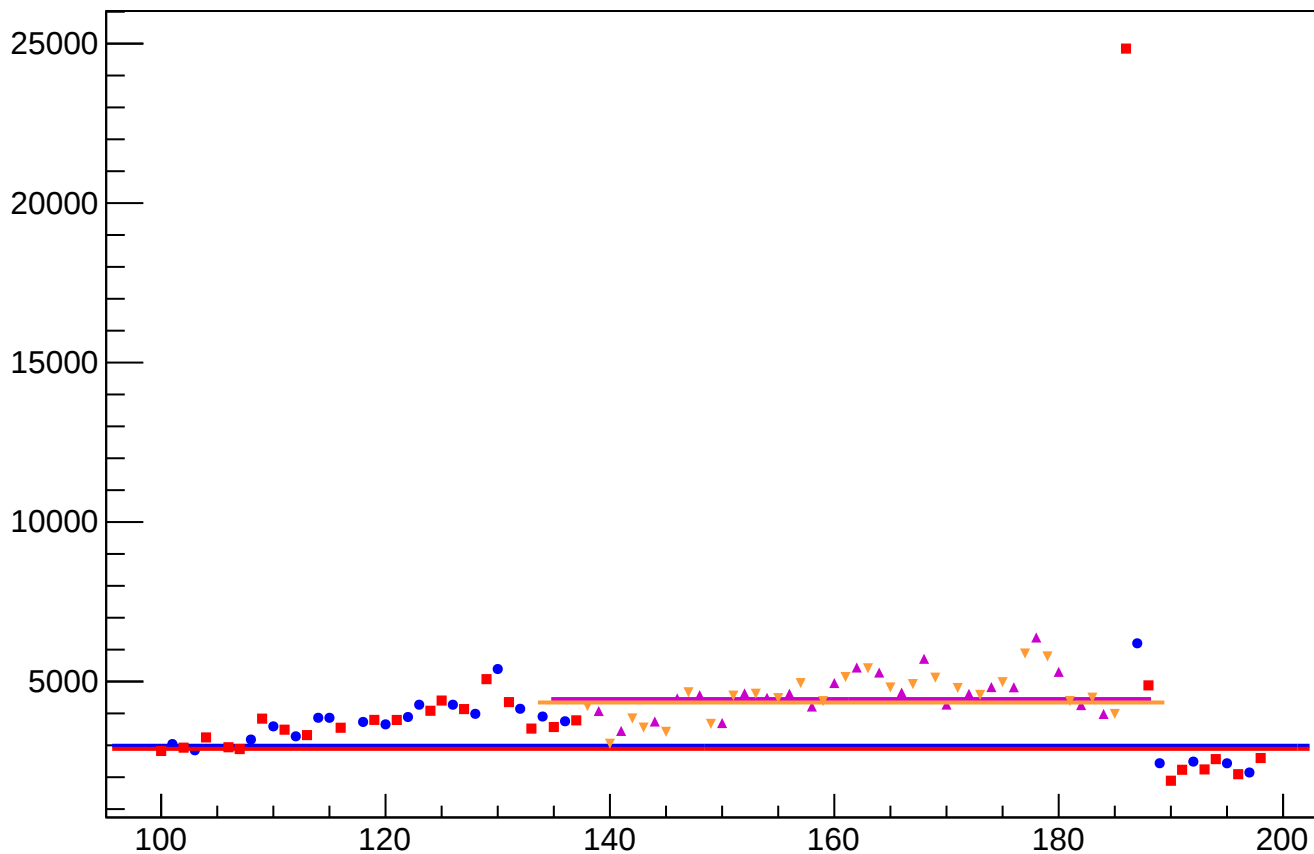
Right: 0.761 $\pm$ 0.655 χ^2/NDF : 52.1/48

In: 0.724 $\pm$ 0.731 χ^2/NDF : 56.1/44

Out: -0.256 $\pm$ 0.666 χ^2/NDF : 48.7/51

All: 0.188 $\pm$ 0.492 χ^2/NDF : 105.8/96

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 2986.620 ± 0.701 $\chi^2/\text{NDF}: 1148024.3/21$

Left Out: 4342.635 ± 0.728 $\chi^2/\text{NDF}: 993035.5/24$

Right Out: 2889.088 ± 0.617 $\chi^2/\text{NDF}: 2231376.2/26$

Left In: 4450.007 ± 0.765 $\chi^2/\text{NDF}: 693229.8/22$

Left: 4393.686 ± 0.528 $\chi^2/\text{NDF}: 1696596.0/47$

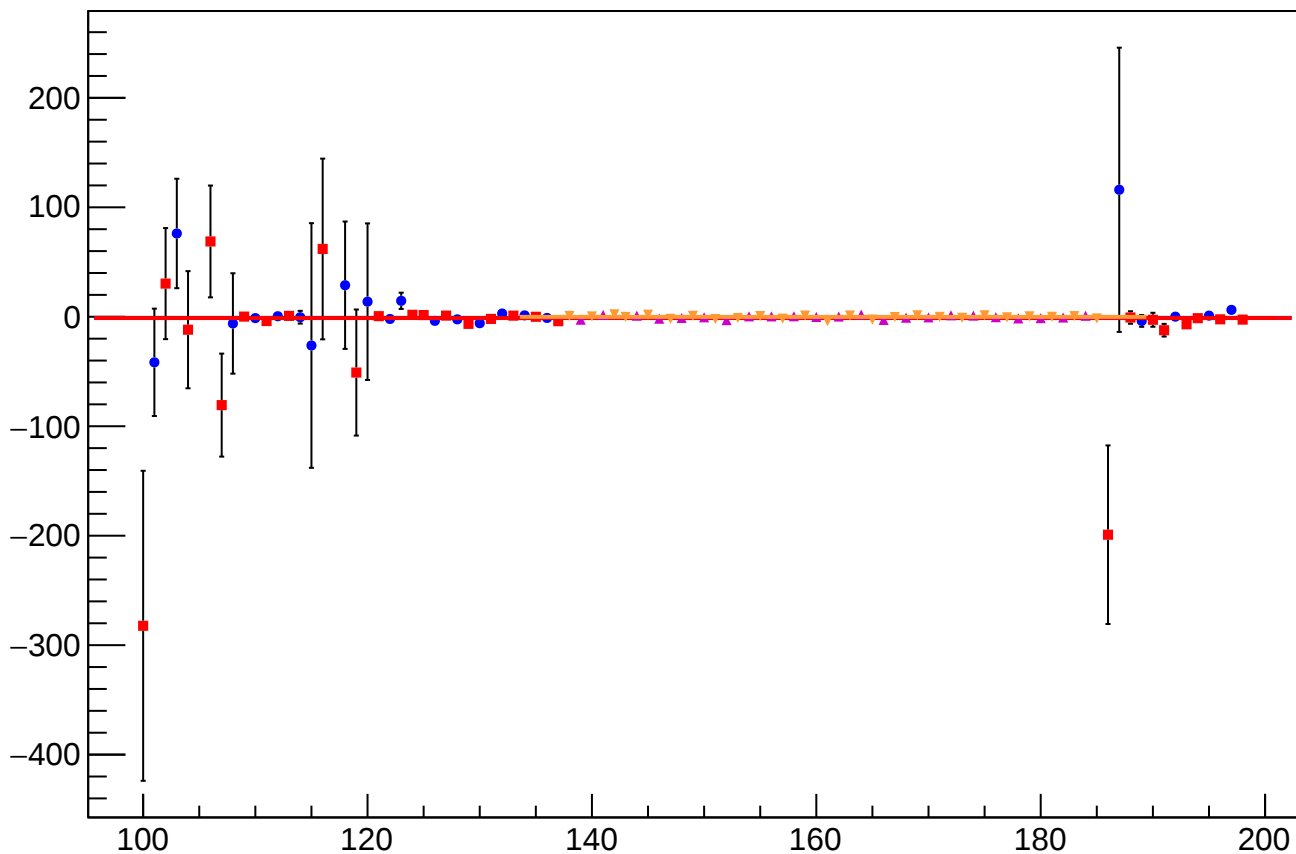
Right: 2931.642 ± 0.463 $\chi^2/\text{NDF}: 3390302.8/48$

In: 3654.775 ± 0.517 $\chi^2/\text{NDF}: 3829278.3/44$

Out: 3496.306 ± 0.471 $\chi^2/\text{NDF}: 5542889.0/51$

All: 3568.148 ± 0.348 $\chi^2/\text{NDF}: 9423529.7/96$

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.026 ± 0.697 χ^2/NDF : 21.9/21

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

Right Out: -1.178 ± 0.650 χ^2/NDF : 34.3/26

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

Left: -0.173 ± 0.179 χ^2/NDF : 61.9/47

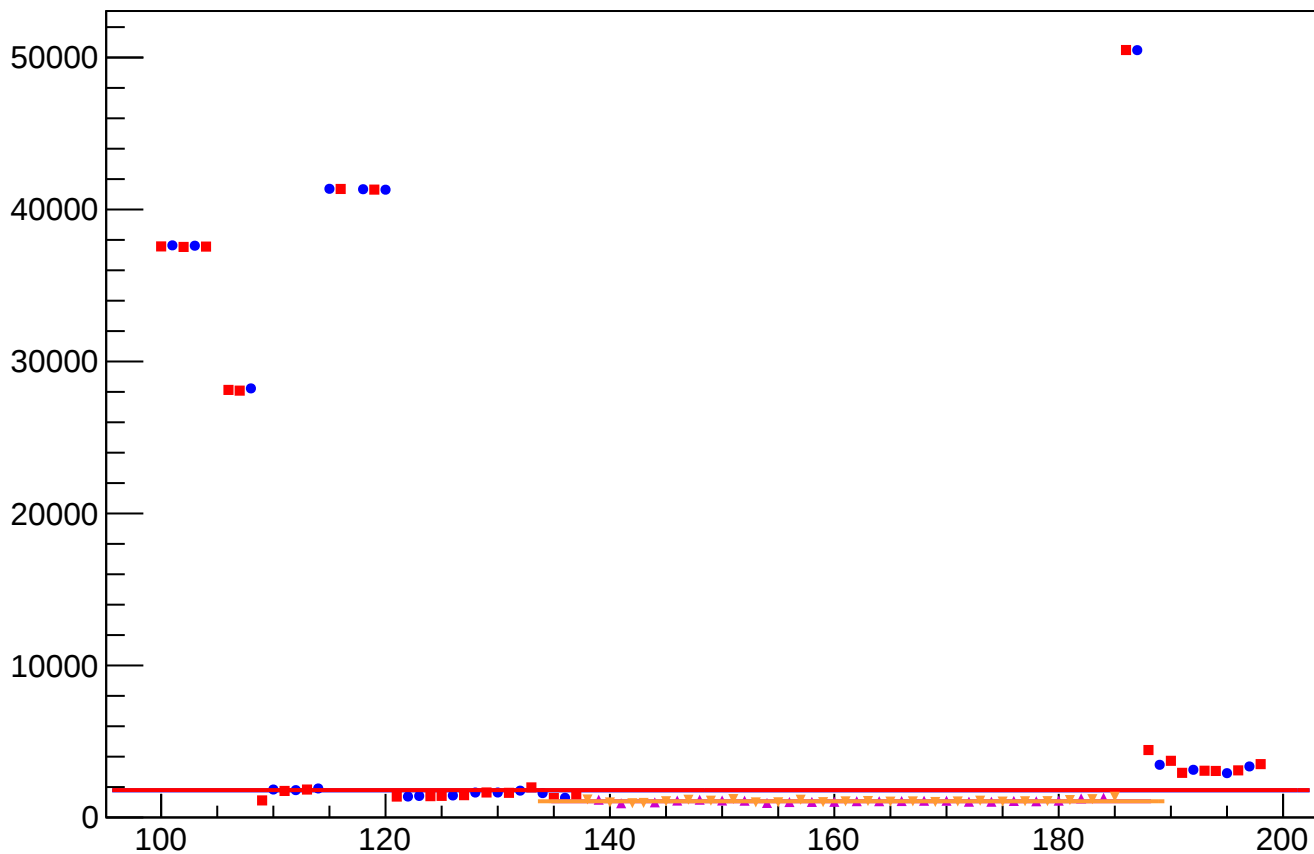
Right: -1.107 ± 0.475 χ^2/NDF : 56.2/48

In: -0.351 ± 0.241 χ^2/NDF : 50.1/44

Out: -0.231 ± 0.233 χ^2/NDF : 71.2/51

All: -0.289 ± 0.167 χ^2/NDF : 121.5/96

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1781.067 $\pm$ 0.493

χ^2 /NDF: 6292129.2/21

Left Out: 1064.701 $\pm$ 0.176

χ^2 /NDF: 186511.5/24

Right Out: 1800.267 $\pm$ 0.460

χ^2 /NDF: 7846080.7/26

Left In: 1066.255 $\pm$ 0.182

χ^2 /NDF: 164232.1/22

Left: 1065.454 $\pm$ 0.126

χ^2 /NDF: 350781.3/47

Right: 1791.331 $\pm$ 0.336

χ^2 /NDF: 14139021.5/48

In: 1151.815 $\pm$ 0.170

χ^2 /NDF: 8308805.1/44

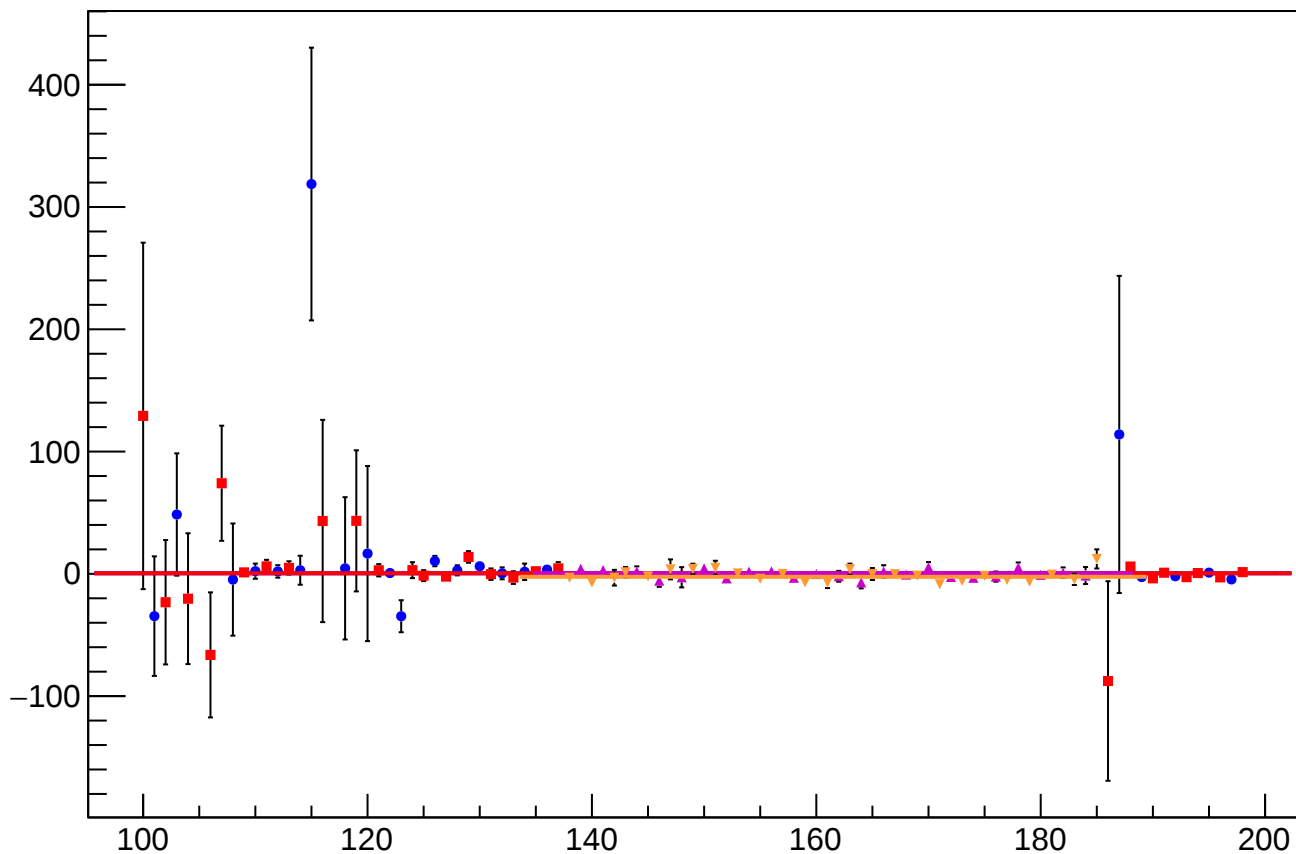
Out: 1158.807 $\pm$ 0.164

χ^2 /NDF: 10264710.5/51

All: 1155.437 $\pm$ 0.118

χ^2 /NDF: 18574387.1/95

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 0.444 ± 0.889 $\chi^2/\text{NDF}: 34.1/21$

Left Out: -2.422 ± 0.811 $\chi^2/\text{NDF}: 21.2/24$

Right Out: 0.458 ± 0.783 $\chi^2/\text{NDF}: 27.7/26$

Left In: 0.468 ± 0.843 $\chi^2/\text{NDF}: 15.5/22$

Left: -1.033 ± 0.584 $\chi^2/\text{NDF}: 42.8/47$

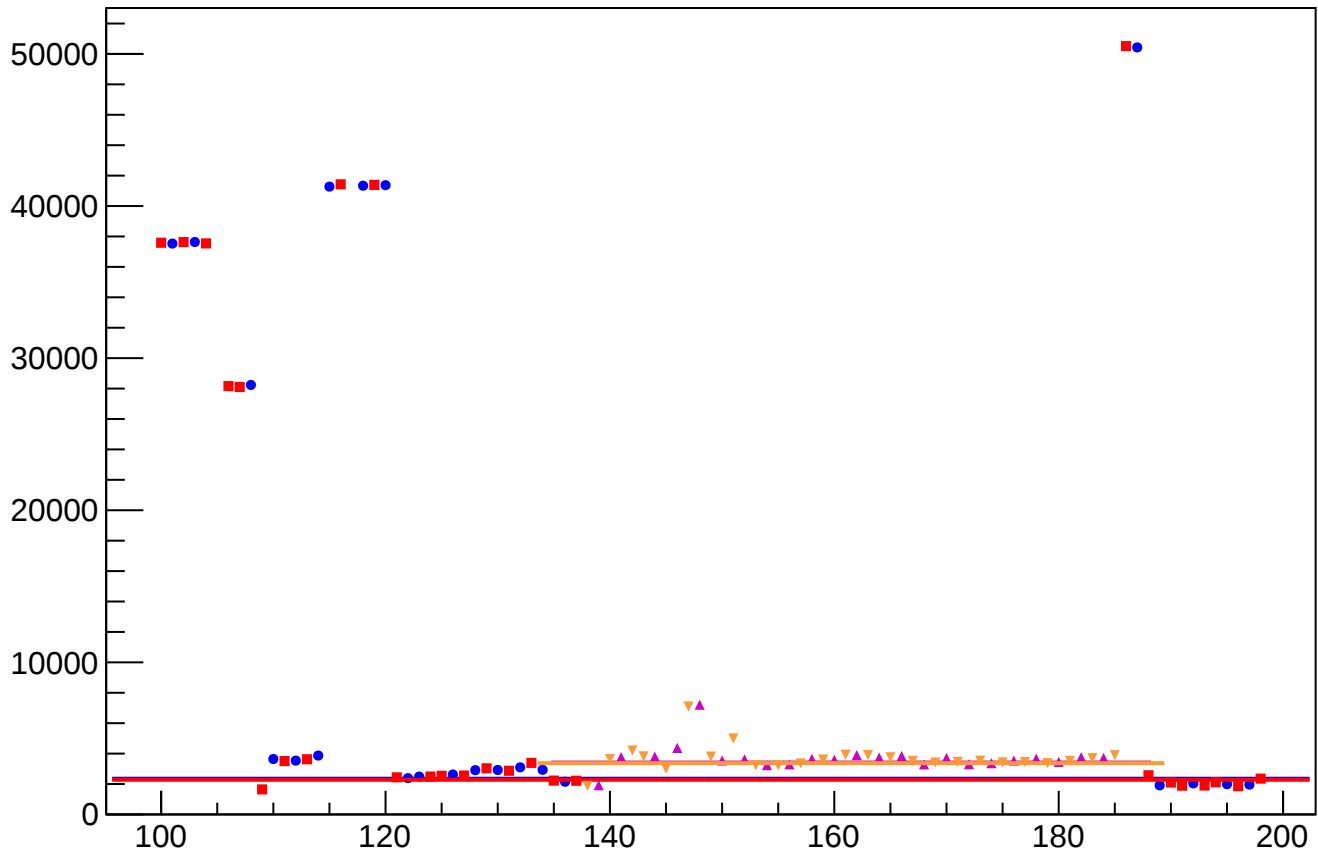
Right: 0.452 ± 0.587 $\chi^2/\text{NDF}: 61.8/48$

In: 0.457 ± 0.612 $\chi^2/\text{NDF}: 49.5/44$

Out: -0.931 ± 0.563 $\chi^2/\text{NDF}: 55.5/51$

All: -0.295 ± 0.414 $\chi^2/\text{NDF}: 107.8/96$

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2348.336 $\pm$ 0.629 χ^2/NDF : 5252222.1/21

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

Right Out: 2280.434 $\pm$ 0.553 χ^2/NDF : 5863567.0/26

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

Left: 3391.680 $\pm$ 0.413 χ^2/NDF : 3093609.1/47

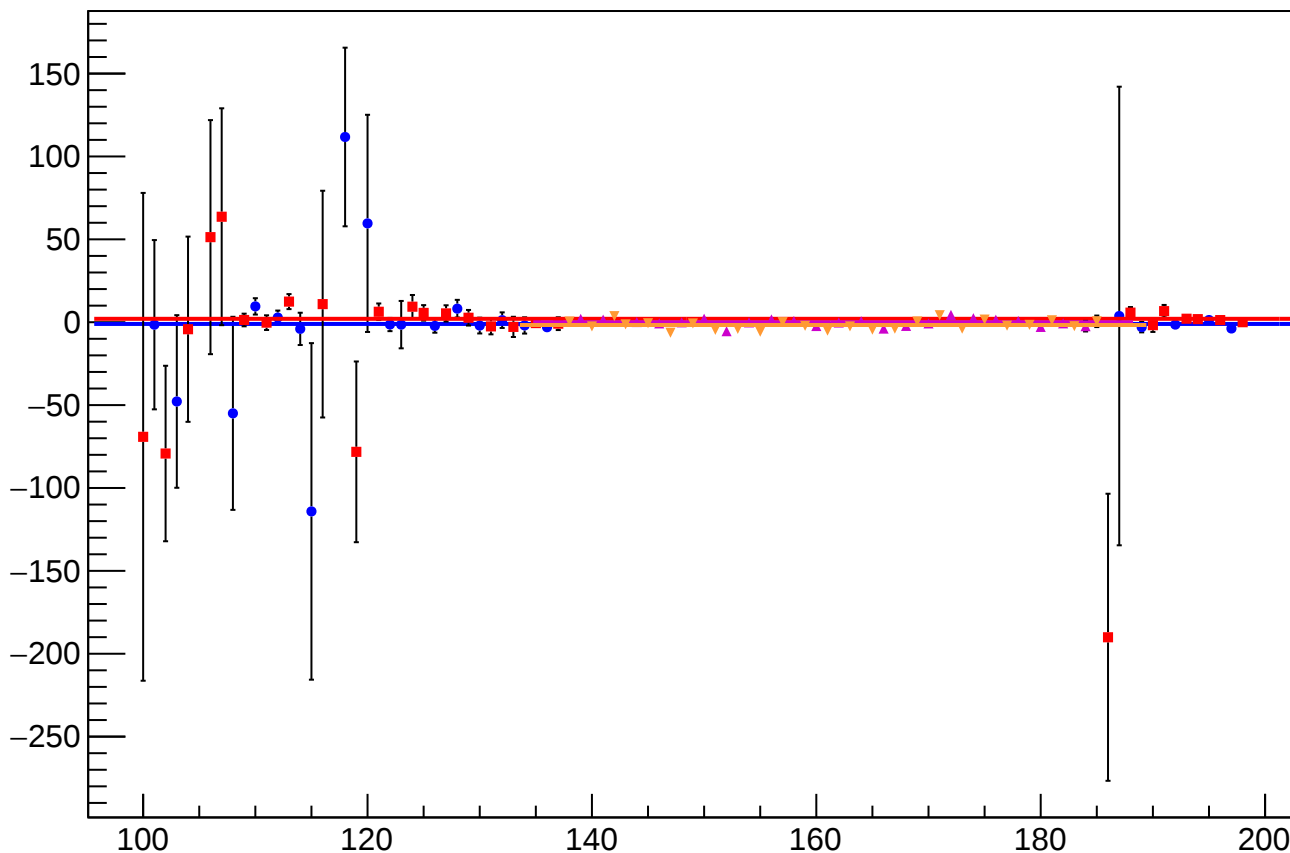
Right: 2310.090 $\pm$ 0.415 χ^2/NDF : 11122362.8/48

In: 2908.380 $\pm$ 0.432 χ^2/NDF : 8194521.3/44

Out: 2807.623 $\pm$ 0.398 χ^2/NDF : 9400677.0/51

All: 2853.843 $\pm$ 0.293 χ^2/NDF : 17624577.8/95

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -1.043 ± 0.871 χ^2/NDF : 20.5/21

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

Right Out: 2.056 ± 0.783 χ^2/NDF : 26.9/26

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

Left: -0.898 ± 0.279 χ^2/NDF : 82.1/47

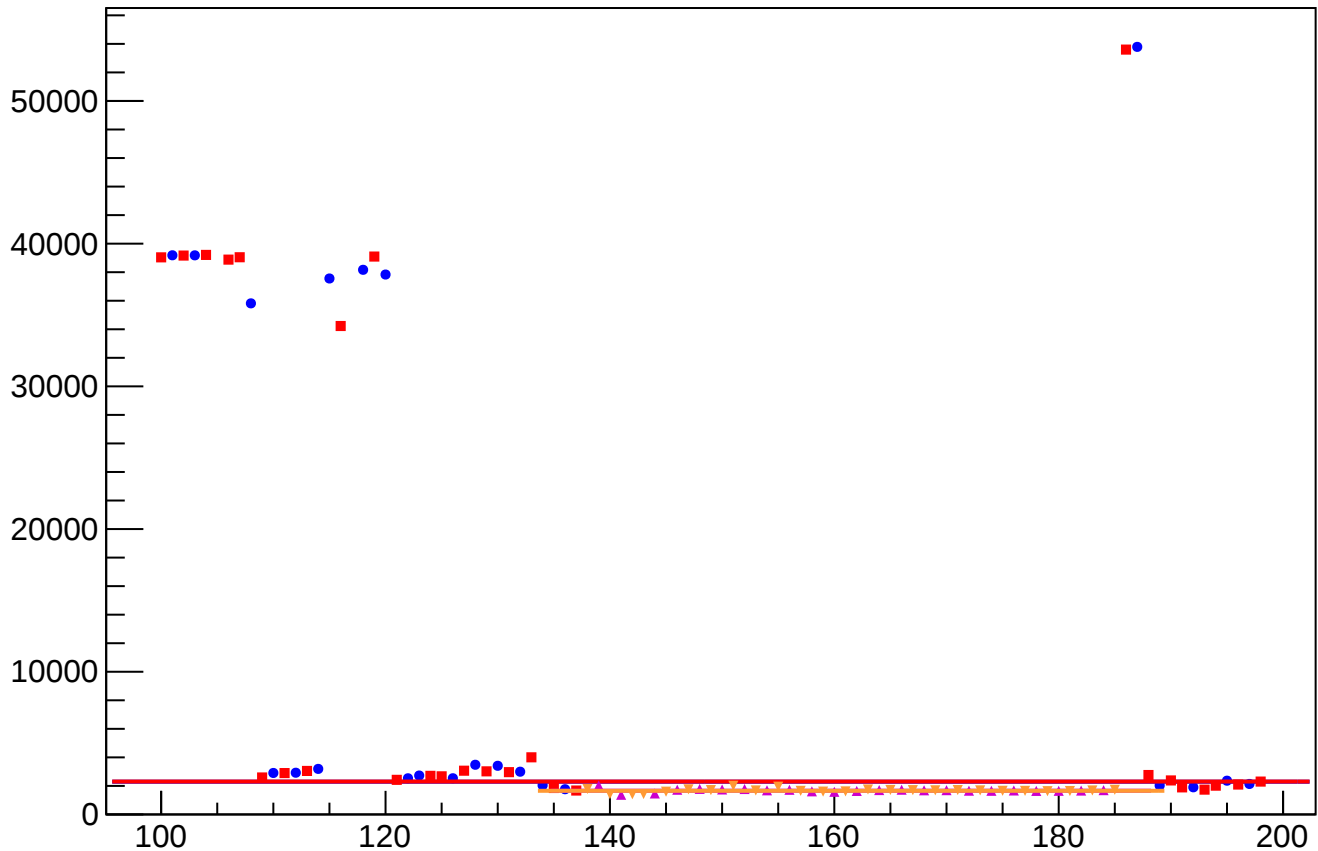
Right: 0.670 ± 0.582 χ^2/NDF : 54.5/48

In: -0.242 ± 0.364 χ^2/NDF : 49.8/44

Out: -0.937 ± 0.348 χ^2/NDF : 90.8/51

All: -0.606 ± 0.252 χ^2/NDF : 142.5/96

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2294.792 $\pm$ 0.616 χ^2 /NDF: 5319671.8/21

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

Right Out: 2307.080 $\pm$ 0.554 χ^2 /NDF: 5965911.1/26

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

Left: 1660.599 $\pm$ 0.197 χ^2 /NDF: 402543.2/47

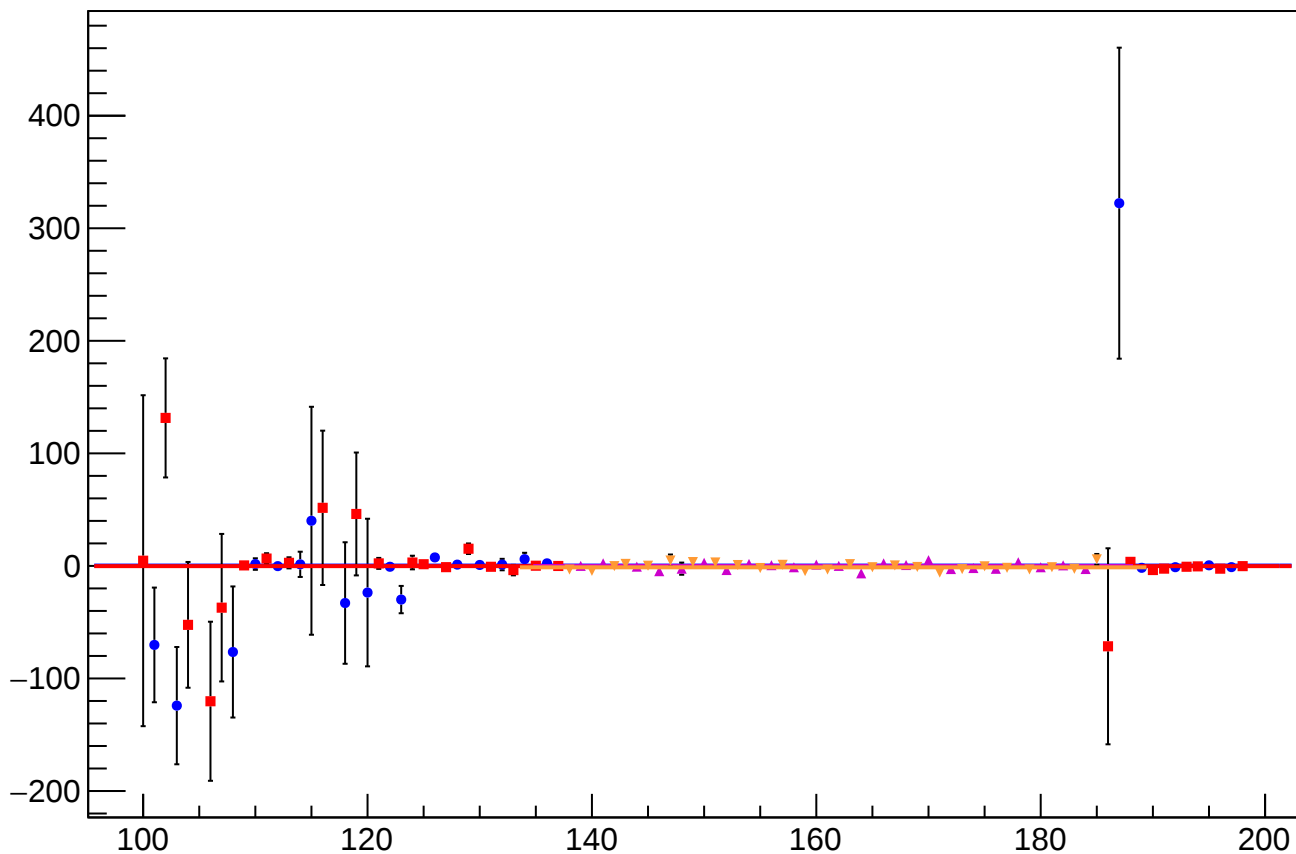
Right: 2301.587 $\pm$ 0.412 χ^2 /NDF: 11285803.0/48

In: 1774.044 $\pm$ 0.258 χ^2 /NDF: 6365181.8/44

Out: 1785.792 $\pm$ 0.246 χ^2 /NDF: 7293294.3/51

All: 1780.191 $\pm$ 0.178 χ^2 /NDF: 13659564.5/99

diff_bpm1p03aY_mean vs Slug, Sign Corrected



Right In: 0.300 $\pm$ 0.735 χ^2/NDF : 29.4/21

Left Out: -1.251 $\pm$ 0.535 χ^2/NDF : 21.7/24

Right Out: -0.201 $\pm$ 0.643 χ^2/NDF : 32.8/26

Left In: -0.098 $\pm$ 0.541 χ^2/NDF : 19.3/22

Left: -0.681 $\pm$ 0.380 χ^2/NDF : 43.3/47

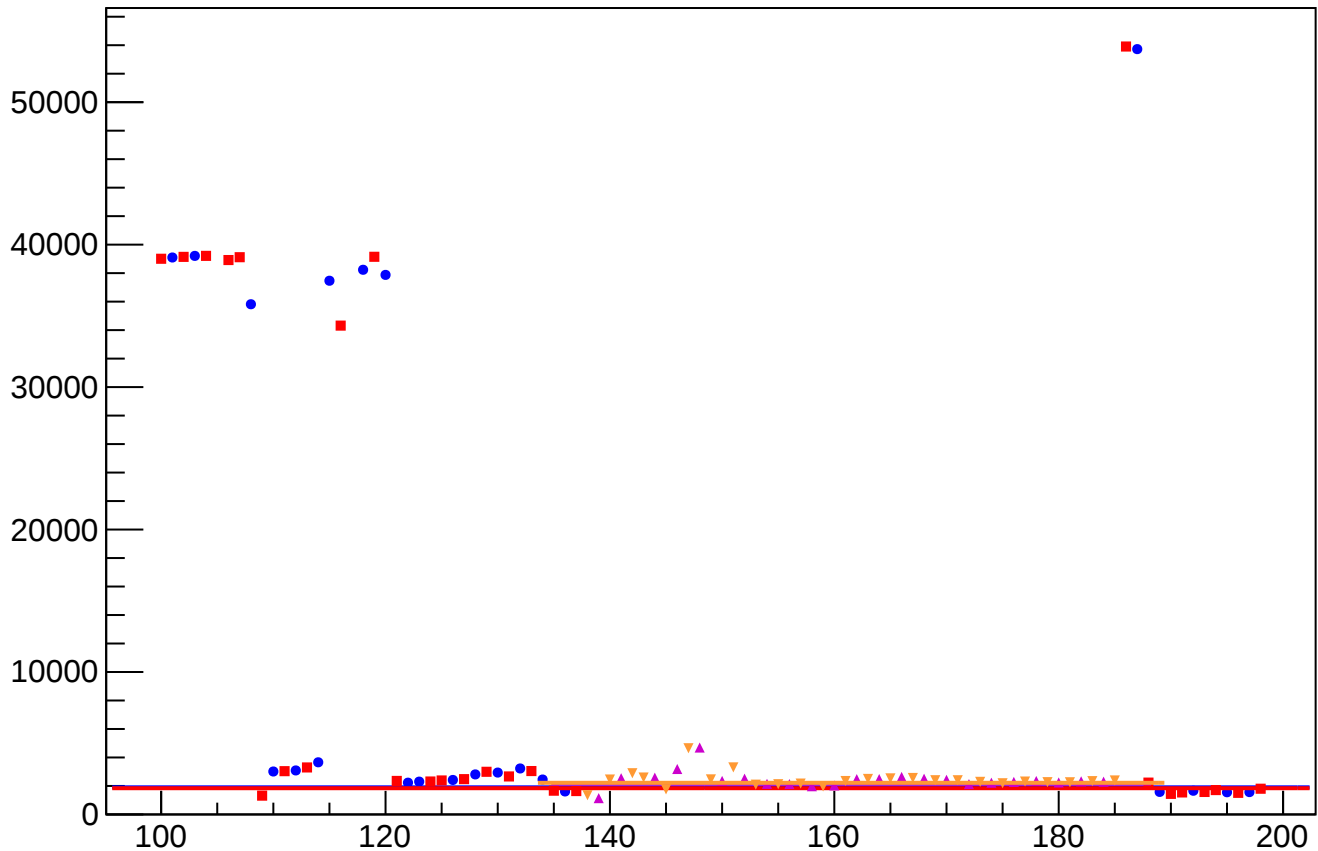
Right: 0.016 $\pm$ 0.484 χ^2/NDF : 62.5/48

In: 0.042 $\pm$ 0.436 χ^2/NDF : 48.9/44

Out: -0.821 $\pm$ 0.411 χ^2/NDF : 56.1/51

All: -0.415 $\pm$ 0.299 χ^2/NDF : 107.0/96

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 1904.347+/-0.520 χ^2/NDF : 5789223.4/21

Left Out: 2222.081+/-0.378 χ^2/NDF : 1422440.9/24

Right Out: 1842.228+/-0.454 χ^2/NDF : 6420471.4/26

Left In: 2169.443+/-0.383 χ^2/NDF : 1974869.8/22

Left: 2196.064+/-0.269 χ^2/NDF : 3406878.6/47

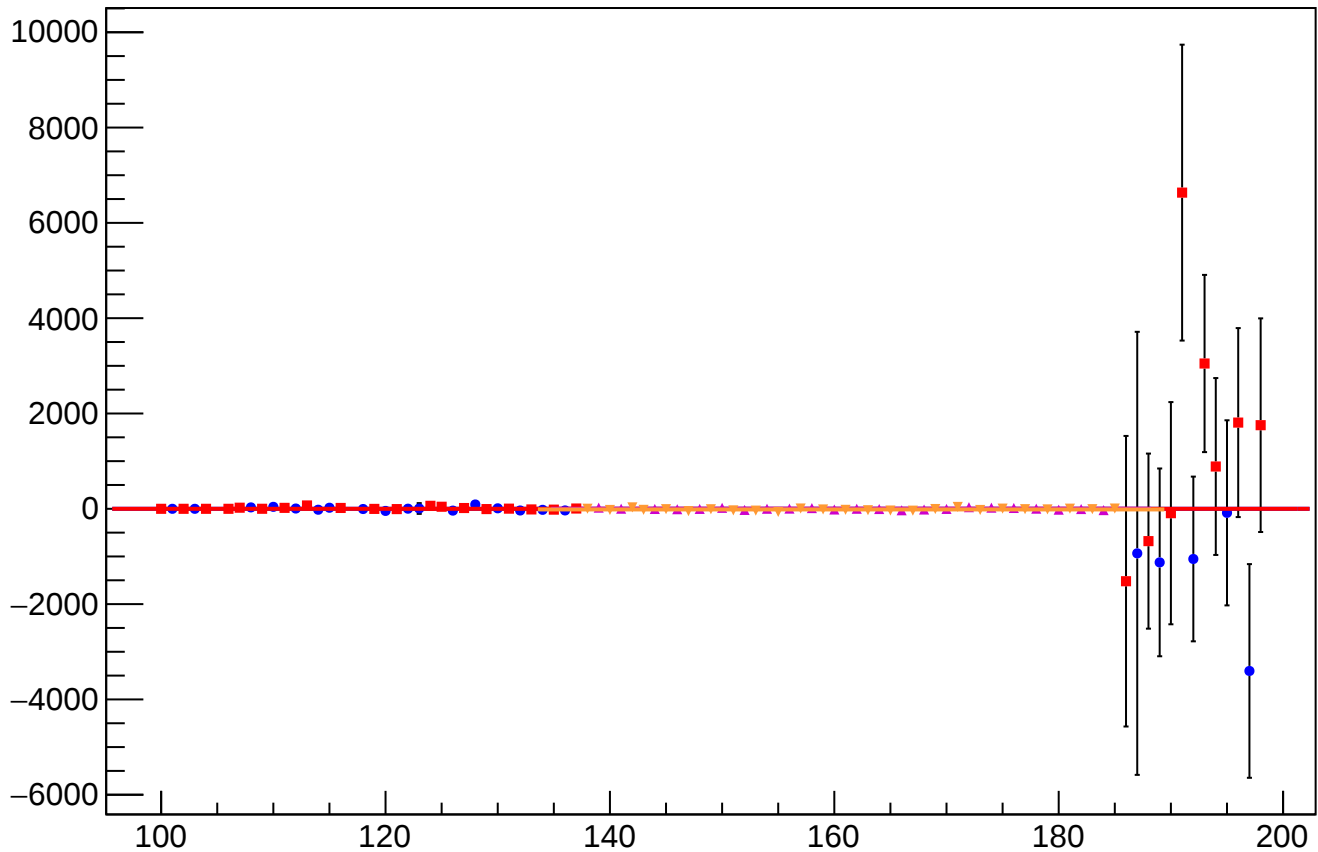
Right: 1869.126+/-0.342 χ^2/NDF : 12217789.3/48

In: 2076.280+/-0.308 χ^2/NDF : 7932721.9/44

Out: 2066.544+/-0.291 χ^2/NDF : 8255679.5/51

All: 2071.128+/-0.211 χ^2/NDF : 16188929.4/99

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013 ± 0.017 $\chi^2/\text{NDF}: 19.6/21$

Left Out: -13.484 ± 2.800 $\chi^2/\text{NDF}: 58.7/24$

Right Out: -0.003 ± 0.016 $\chi^2/\text{NDF}: 24.8/26$

Left In: 0.459 ± 2.917 $\chi^2/\text{NDF}: 29.0/22$

Left: -6.796 ± 2.020 $\chi^2/\text{NDF}: 99.5/47$

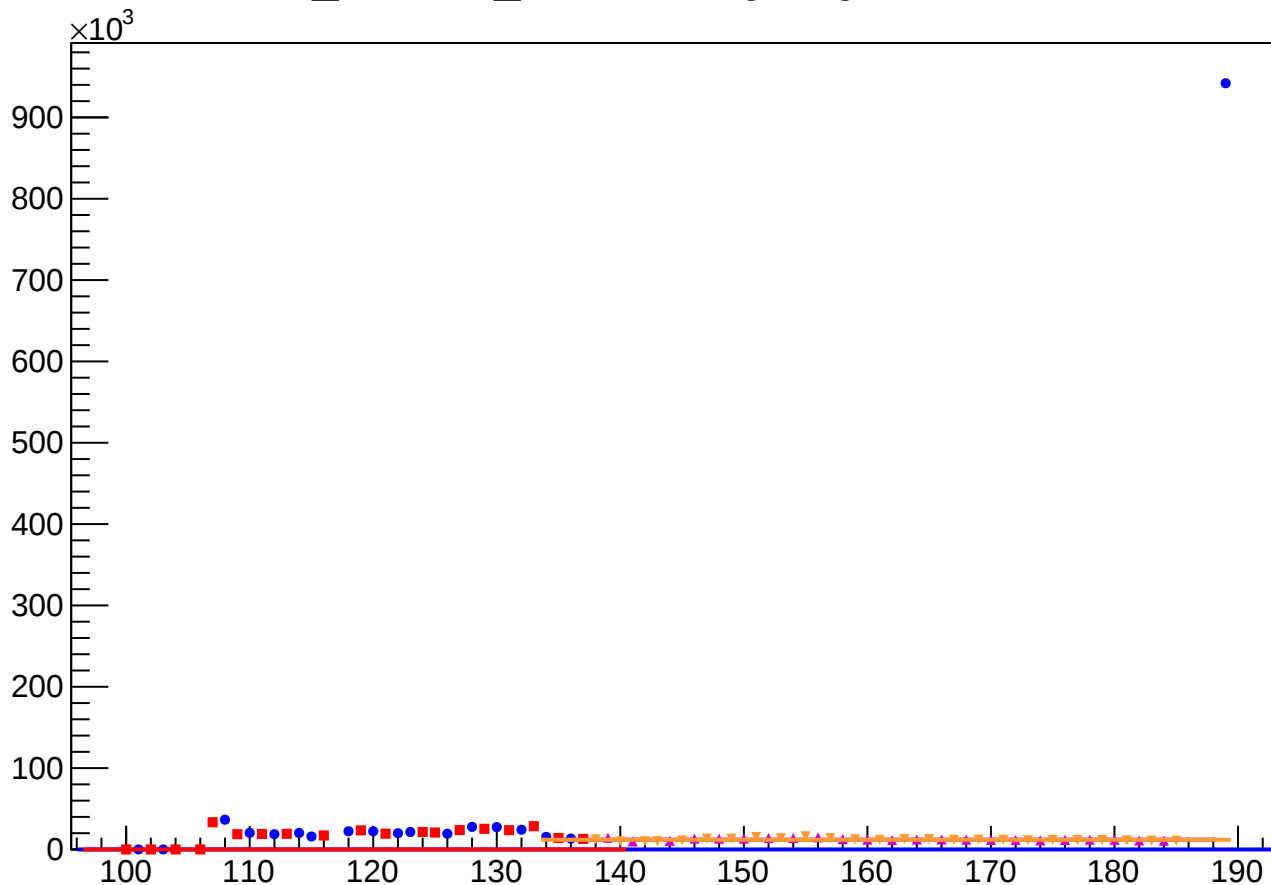
Right: 0.004 ± 0.012 $\chi^2/\text{NDF}: 45.0/48$

In: 0.013 ± 0.017 $\chi^2/\text{NDF}: 48.6/44$

Out: -0.004 ± 0.016 $\chi^2/\text{NDF}: 106.7/51$

All: 0.004 ± 0.012 $\chi^2/\text{NDF}: 155.8/96$

diff_cav4bX_rms vs Slug, Sign Corrected



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

Left: 11984.403 $\pm$ 1.428 χ^2 /NDF: 847874.4/47

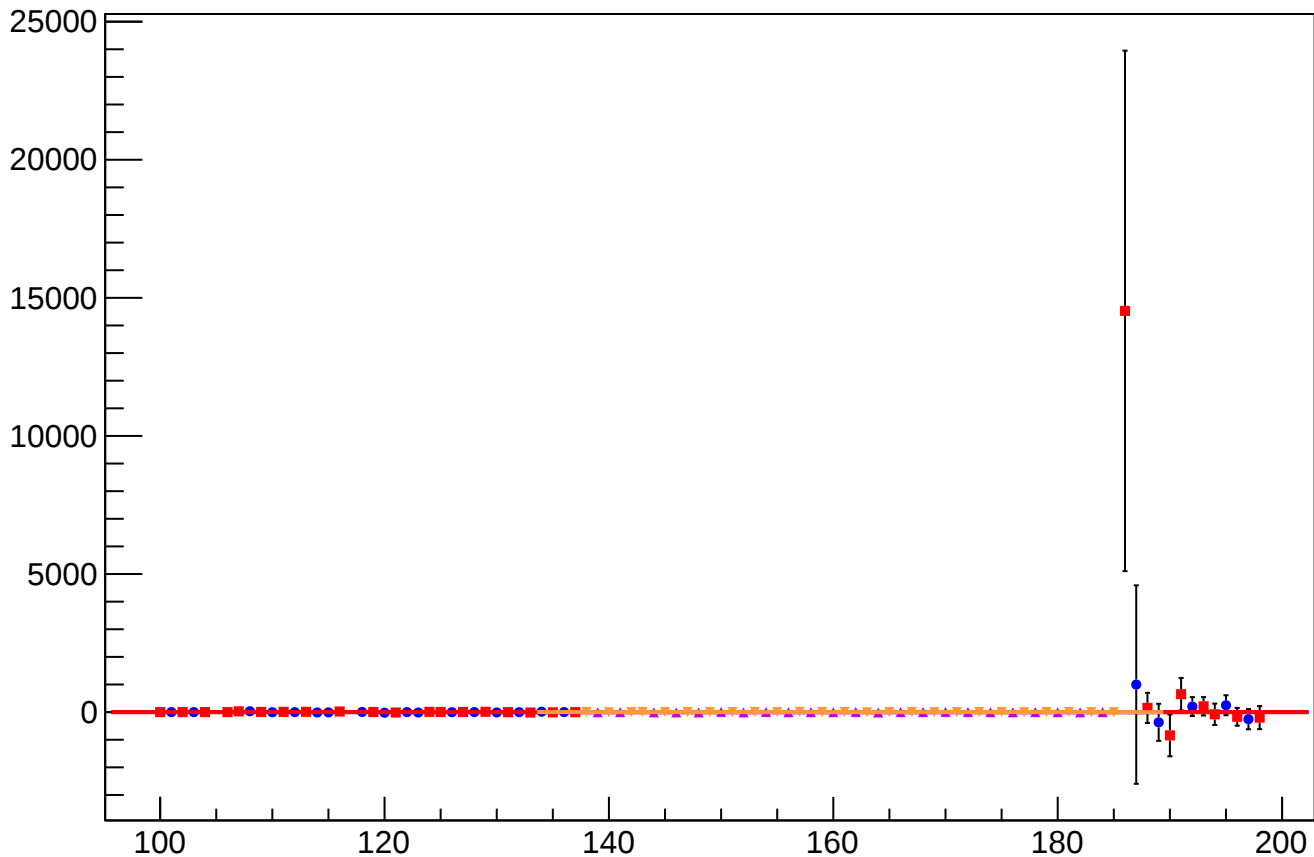
Right: 18.464 $\pm$ 0.008 χ^2 /NDF: 22189063.4/36

In: 19.067 $\pm$ 0.012 χ^2 /NDF: 45607591.7/40

Out: 18.703 $\pm$ 0.011 χ^2 /NDF: 47605245.6/43

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

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.009 χ^2/NDF : 14.6/21

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

Right Out: -0.014 $\pm$ 0.009 χ^2/NDF : 24.6/26

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

Left: 0.388 $\pm$ 0.732 χ^2/NDF : 57.1/47

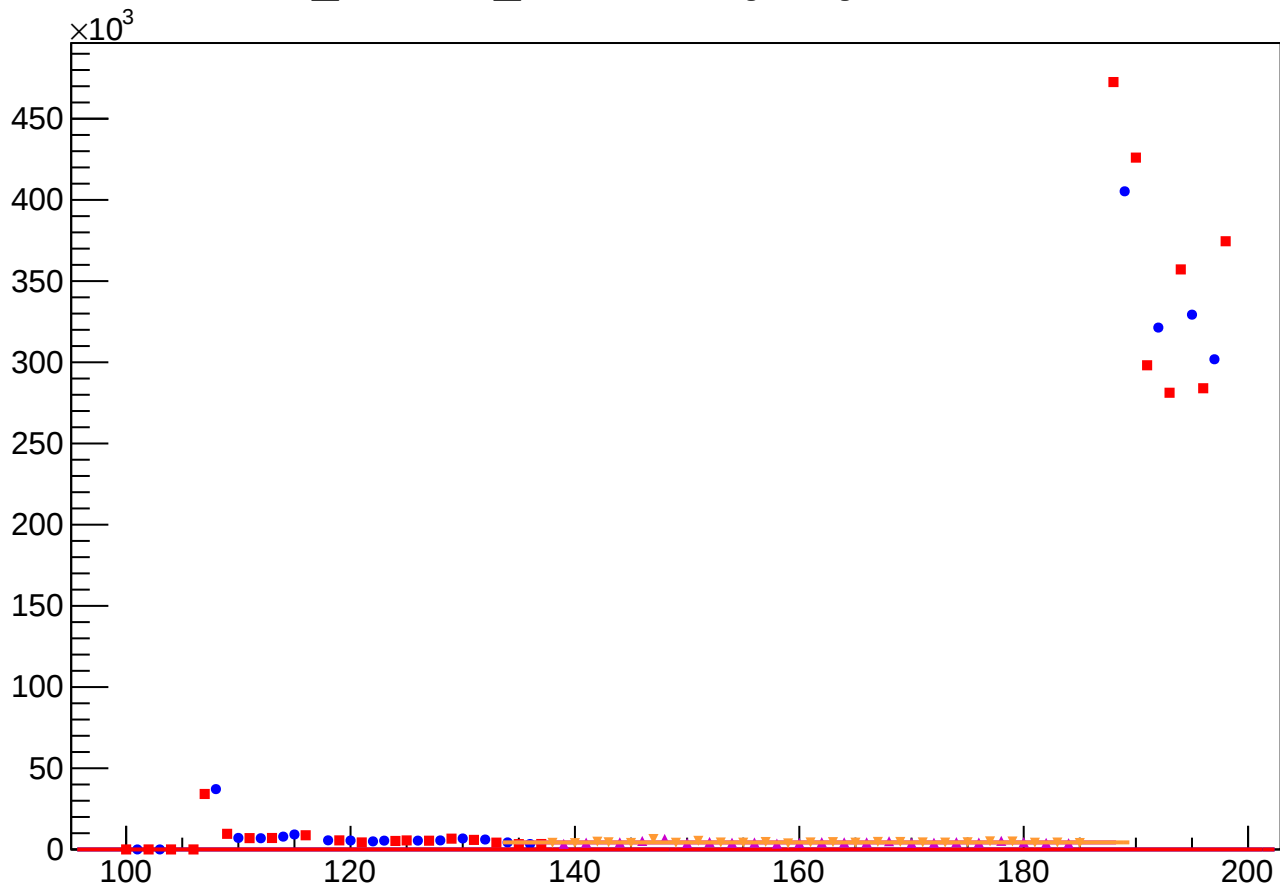
Right: -0.007 $\pm$ 0.006 χ^2/NDF : 40.6/48

In: 0.001 $\pm$ 0.009 χ^2/NDF : 51.0/44

Out: -0.014 $\pm$ 0.009 χ^2/NDF : 45.6/51

All: -0.007 $\pm$ 0.006 χ^2/NDF : 98.0/96

diff_cav4bY_rms vs Slug, Sign Corrected



Right In: 9.939 $\pm$ 0.007 χ^2 /NDF: 16582804.3/20

Left Out: 4349.005 $\pm$ 0.723 χ^2 /NDF:383895.7/24

Right Out: 9.855 $\pm$ 0.006 χ^2 /NDF: 20015935.2/25

Left In: 4321.572 $\pm$ 0.741 χ^2 /NDF:514603.2/22

Left: 4335.639 $\pm$ 0.518 χ^2 /NDF: 899200.9/47

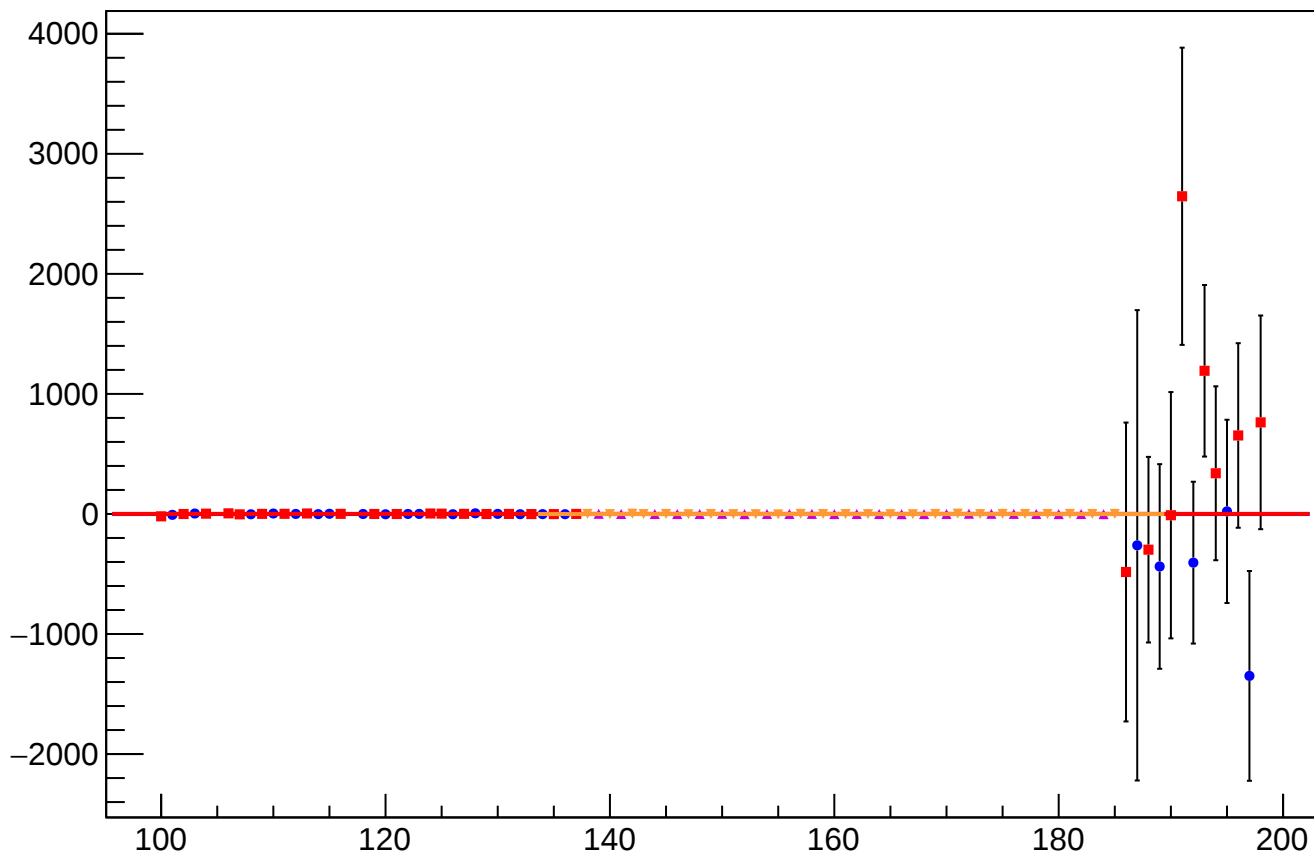
Right: 9.895 $\pm$ 0.004 χ^2 /NDF: 36598828.8/46

In: 10.271 $\pm$ 0.007 χ^2 /NDF:50914542.1/43

Out: 10.166 $\pm$ 0.006 χ^2 /NDF:56445094.4/50

All: 10.215 $\pm$ 0.004 χ^2 /NDF: 107359776.4/94

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.714 ± 0.483 χ^2/NDF : 25.7/21

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

Right Out: 0.639 ± 0.501 χ^2/NDF : 22.4/26

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

Left: -0.393 ± 0.119 χ^2/NDF : 99.1/47

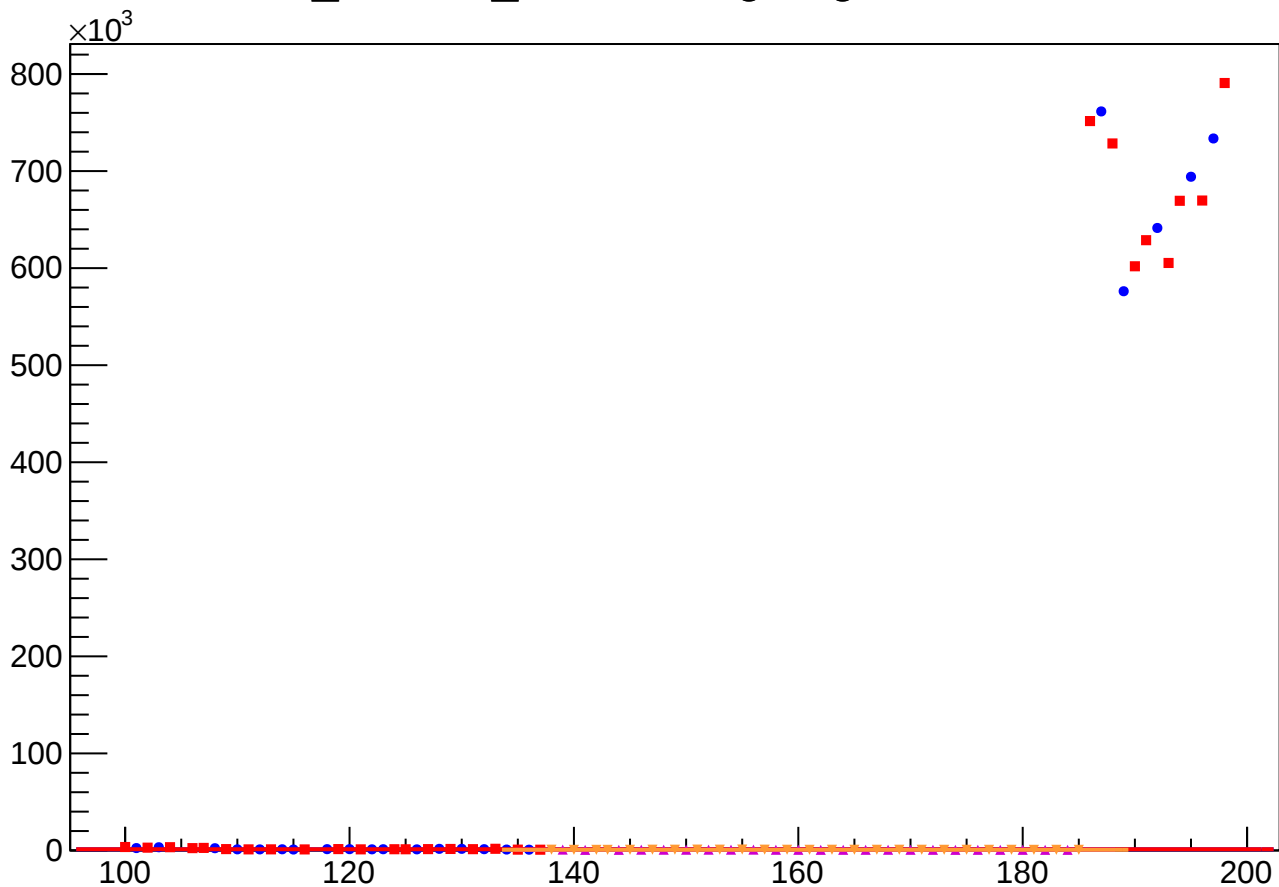
Right: -0.063 ± 0.348 χ^2/NDF : 51.9/48

In: -0.063 ± 0.161 χ^2/NDF : 57.2/44

Out: -0.637 ± 0.156 χ^2/NDF : 88.1/51

All: -0.359 ± 0.112 χ^2/NDF : 151.8/96

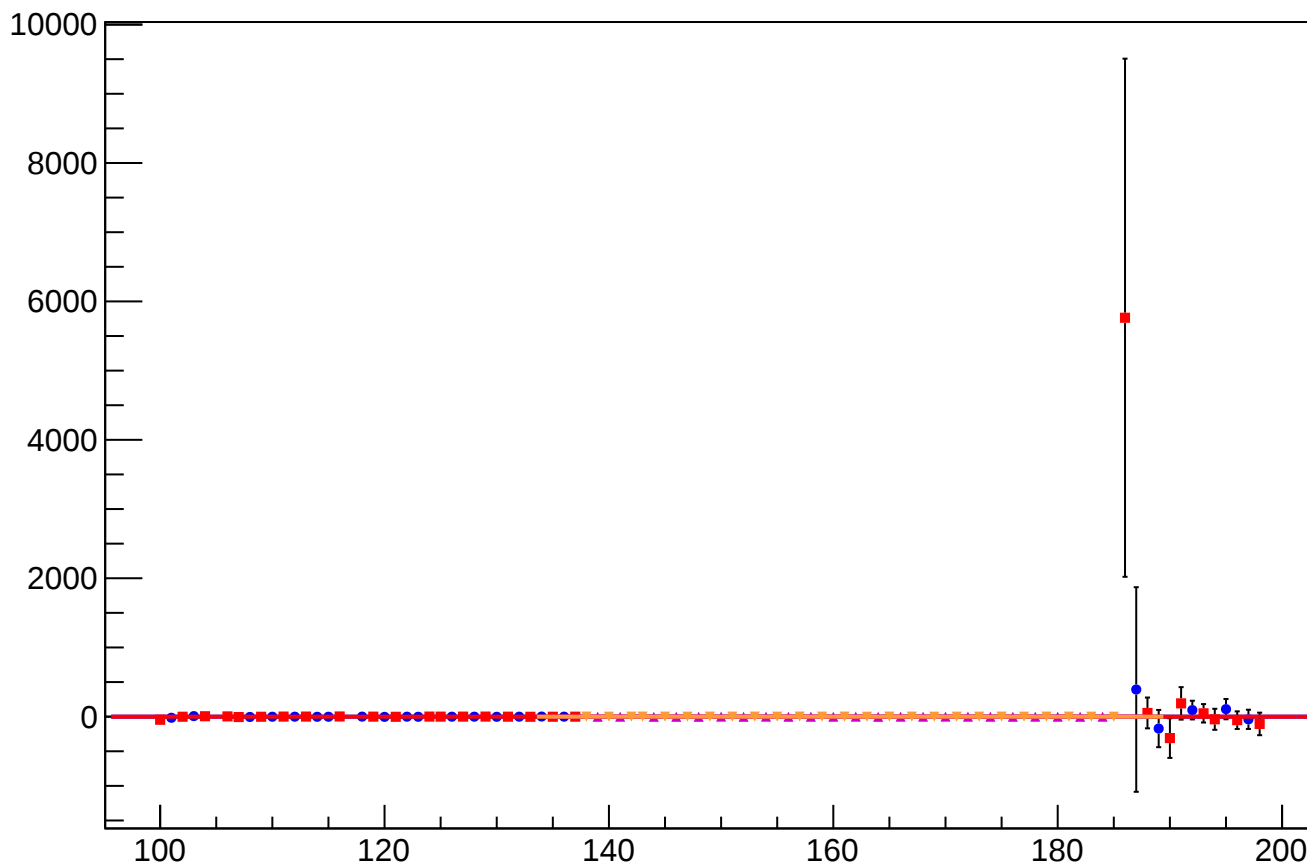
diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1168.181 $\pm$ 0.342 χ^2 /NDF: 7642125.8/21
 Left Out: 700.984 $\pm$ 0.116 χ^2 /NDF: 392855.4/24
 Right Out: 1249.726 $\pm$ 0.355 χ^2 /NDF: 11470281.9/26
 Left In: 706.971 $\pm$ 0.121 χ^2 /NDF: 332011.4/22

Left: 703.867 $\pm$ 0.084 χ^2 /NDF: 726141.0/47
 Right: 1207.434 $\pm$ 0.246 χ^2 /NDF: 19139835.1/48
 In: 758.200 $\pm$ 0.114 χ^2 /NDF: 9594374.9/44
 Out: 754.339 $\pm$ 0.111 χ^2 /NDF: 14025054.9/51
 All: 756.213 $\pm$ 0.079 χ^2 /NDF: 23620021.7/96

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.059 ± 0.269 χ^2/NDF : 20.7/21

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

Right Out: -0.280 ± 0.264 χ^2/NDF : 25.6/26

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

Left: 0.059 ± 0.088 χ^2/NDF : 57.1/47

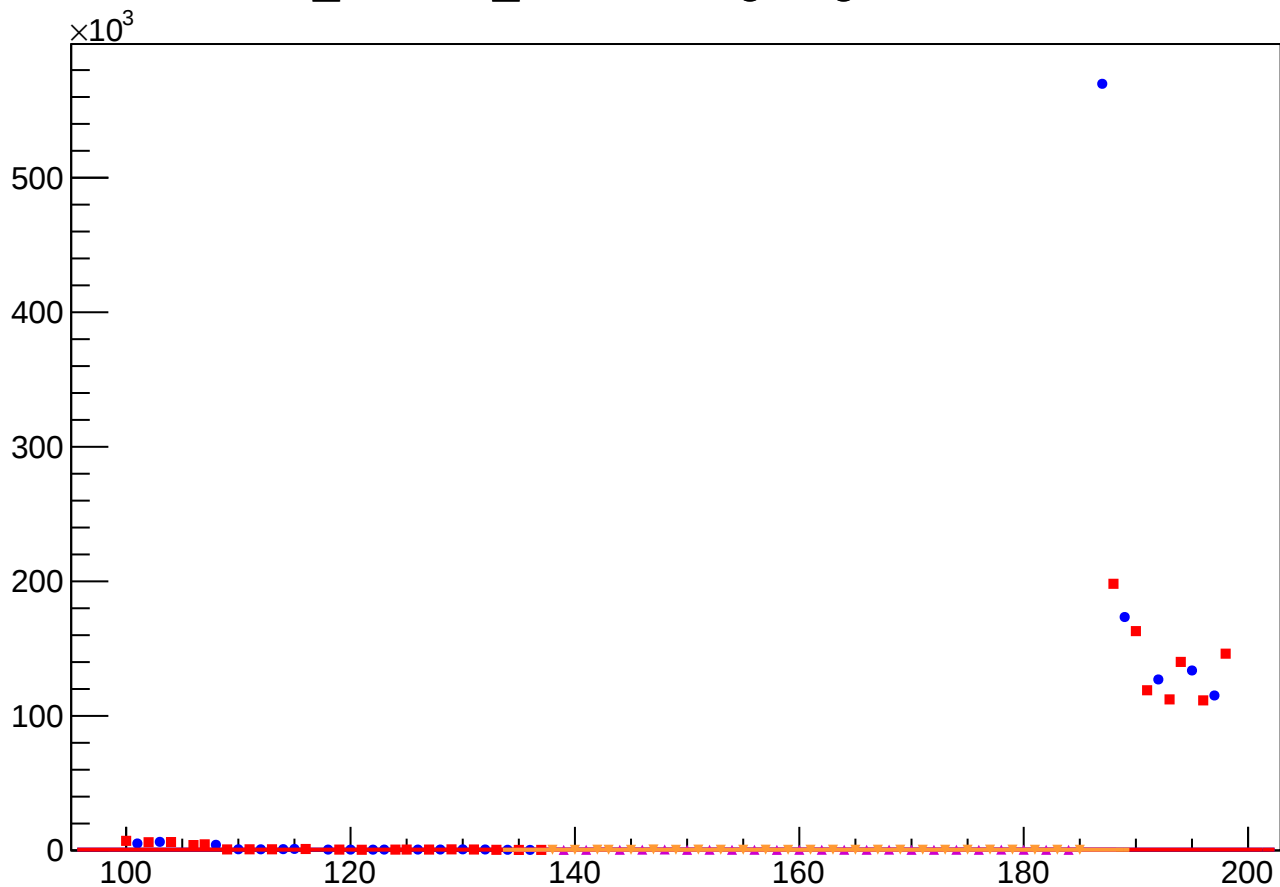
Right: -0.172 ± 0.189 χ^2/NDF : 46.6/48

In: -0.114 ± 0.114 χ^2/NDF : 55.7/44

Out: 0.142 ± 0.111 χ^2/NDF : 46.7/51

All: 0.018 ± 0.080 χ^2/NDF : 105.0/96

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 610.955+/-0.190 χ^2/NDF : 9017393.1/21

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

Right Out: 601.117+/-0.187 χ^2/NDF : 12507595.4/25

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

Left: 521.481+/-0.062 χ^2/NDF : 758275.0/47

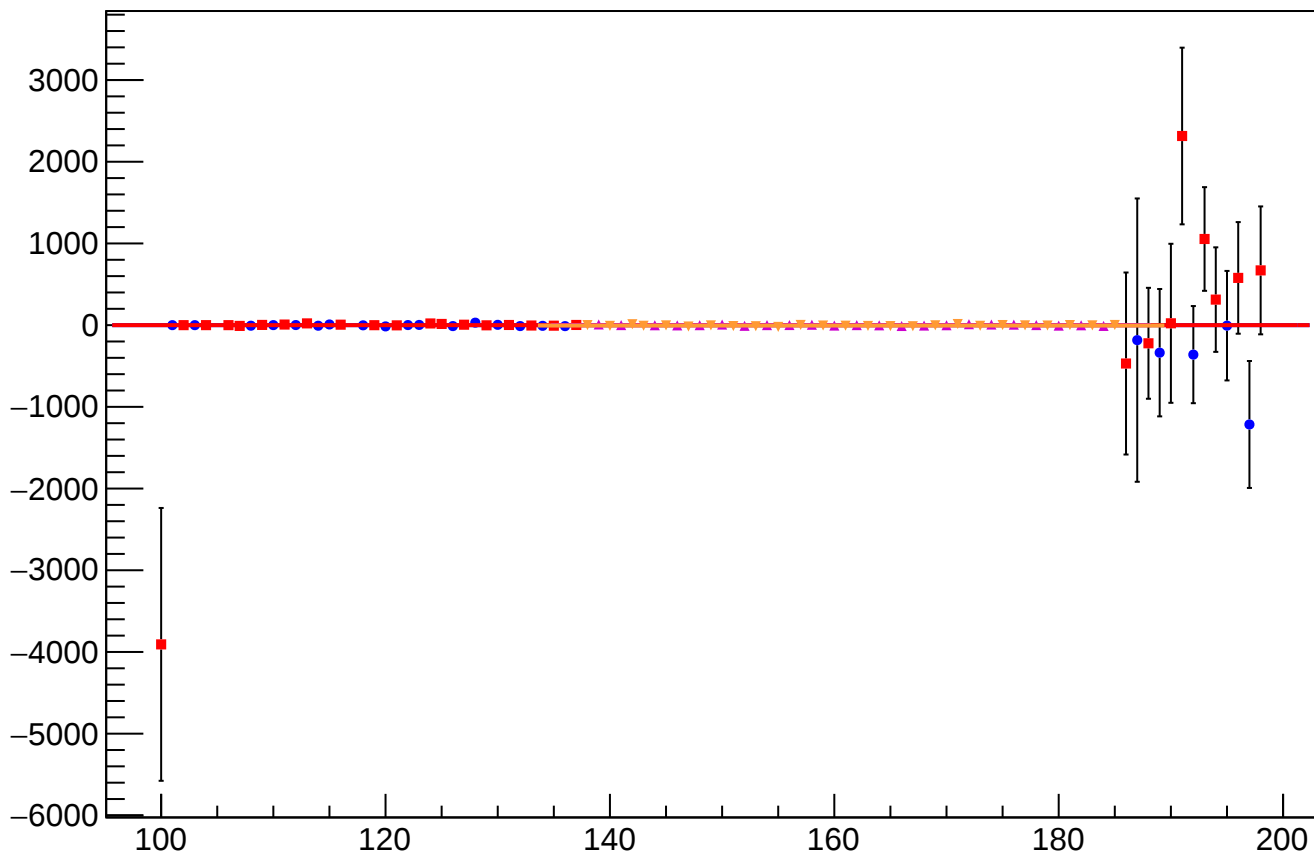
Right: 605.952+/-0.133 χ^2/NDF : 21526349.0/47

In: 536.970+/-0.081 χ^2/NDF : 9629679.8/44

Out: 536.181+/-0.079 χ^2/NDF : 12984556.1/50

All: 536.565+/-0.056 χ^2/NDF : 22614285.0/95

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022 ± 0.021 χ^2/NDF : 19.0/21

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

Right Out: 0.027 ± 0.020 χ^2/NDF : 26.8/26

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

Left: -2.236 ± 0.689 χ^2/NDF : 99.3/47

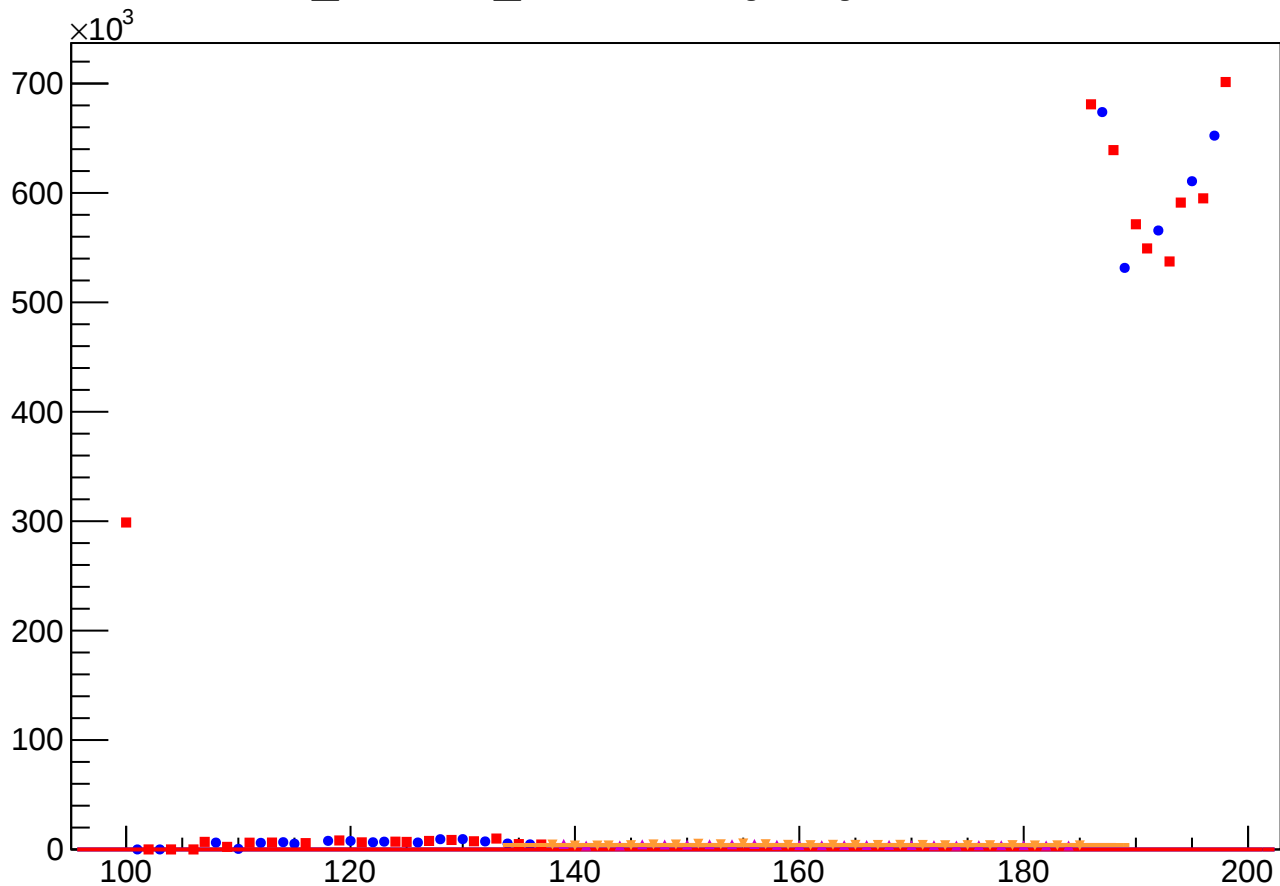
Right: 0.004 ± 0.014 χ^2/NDF : 48.6/48

In: -0.022 ± 0.021 χ^2/NDF : 48.5/44

Out: 0.025 ± 0.020 χ^2/NDF : 107.3/51

All: 0.003 ± 0.014 χ^2/NDF : 158.5/96

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.341+/-0.015 χ^2/NDF : 16571528.3/21

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

Right Out: 17.271+/-0.014 χ^2/NDF : 20737054.4/26

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

Left: 4093.835+/-0.488 χ^2/NDF : 768256.5/47

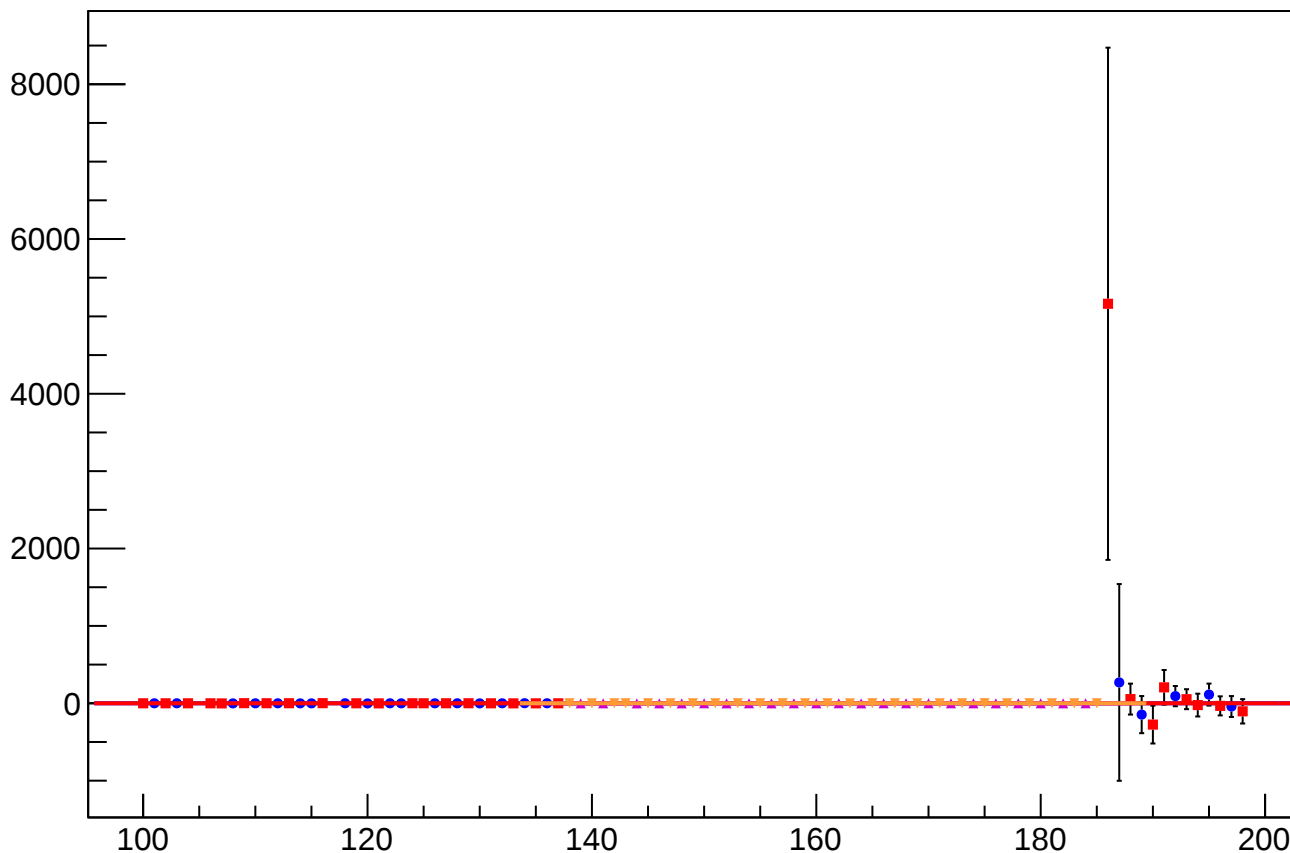
Right: 17.304+/-0.010 χ^2/NDF : 37308594.9/48

In: 19.133+/-0.015 χ^2/NDF : 50874028.2/44

Out: 19.002+/-0.014 χ^2/NDF : 57090056.0/51

All: 19.065+/-0.010 χ^2/NDF : 107964125.8/96

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.002 χ^2/NDF : 15.2/21

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

Right Out: -0.001 ± 0.002 χ^2/NDF : 23.5/26

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

Left: 0.038 ± 0.055 χ^2/NDF : 56.3/47

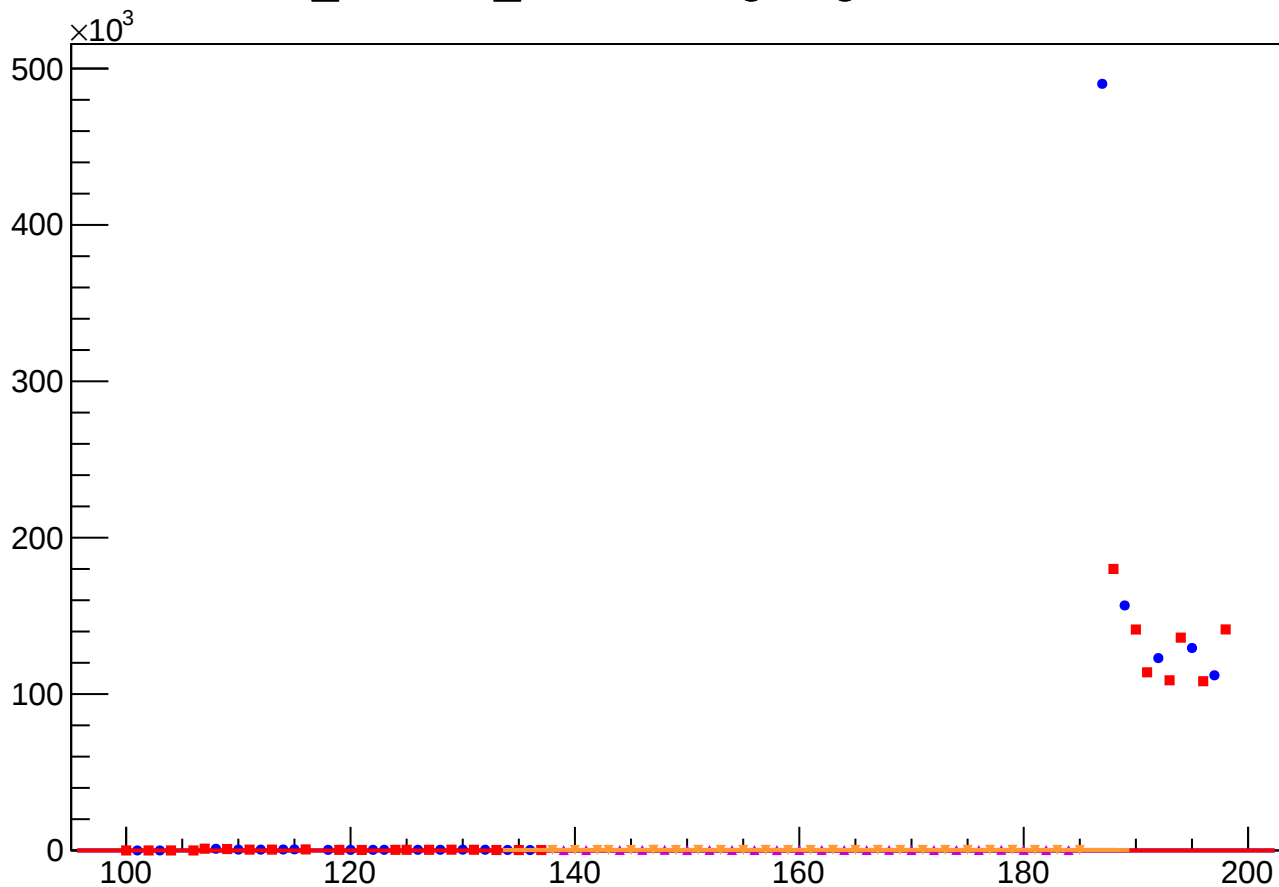
Right: -0.000 ± 0.001 χ^2/NDF : 38.9/48

In: 0.000 ± 0.002 χ^2/NDF : 50.9/44

Out: -0.001 ± 0.002 χ^2/NDF : 44.6/51

All: -0.000 ± 0.001 χ^2/NDF : 95.6/96

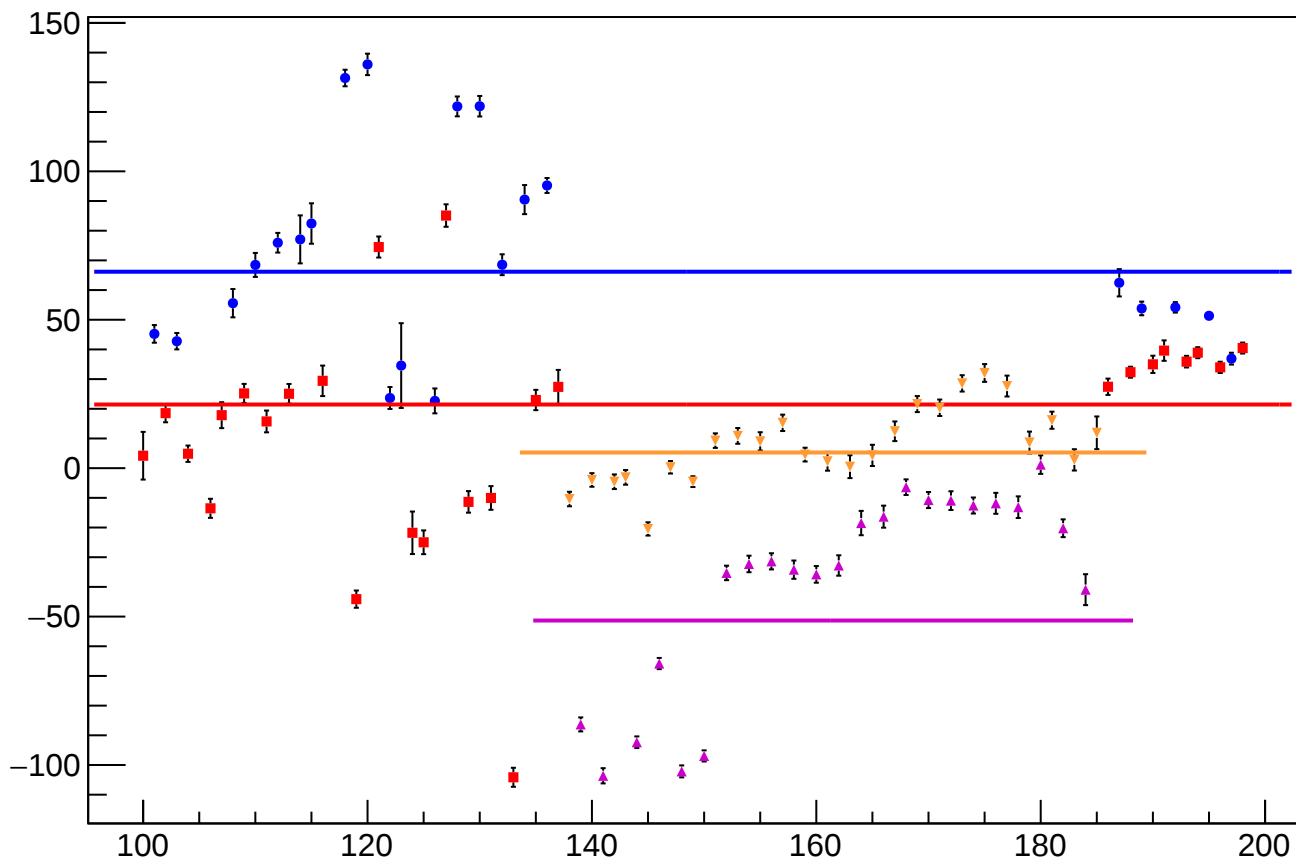
diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.699 $\pm$ 0.001 χ^2 /NDF: 16970205.9/21
 Left Out: 325.326 $\pm$ 0.054 χ^2 /NDF:347705.2/24
 Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 19789767.5/25
 Left In: 325.626 $\pm$ 0.056 χ^2 /NDF:413350.0/22

Left: 325.471 $\pm$ 0.039 χ^2 /NDF: 761070.2/47
 Right: 1.714 $\pm$ 0.001 χ^2 /NDF: 36760191.0/47
 In: 1.913 $\pm$ 0.001 χ^2 /NDF:51112346.2/44
 Out: 1.937 $\pm$ 0.001 χ^2 /NDF:55997274.7/50
 All: 1.925 $\pm$ 0.001 χ^2 /NDF: 107109767.8/95

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 66.180 $\pm$ 0.640 χ^2/NDF : 2375.1/21

Left Out: 5.276 $\pm$ 0.544 χ^2/NDF : 556.2/24

Right Out: 21.442 $\pm$ 0.563 χ^2/NDF : 3419.9/26

Left In: -51.328 $\pm$ 0.558 χ^2/NDF : 4257.8/22

Left: -22.298 $\pm$ 0.390 χ^2/NDF : 10084.6/47

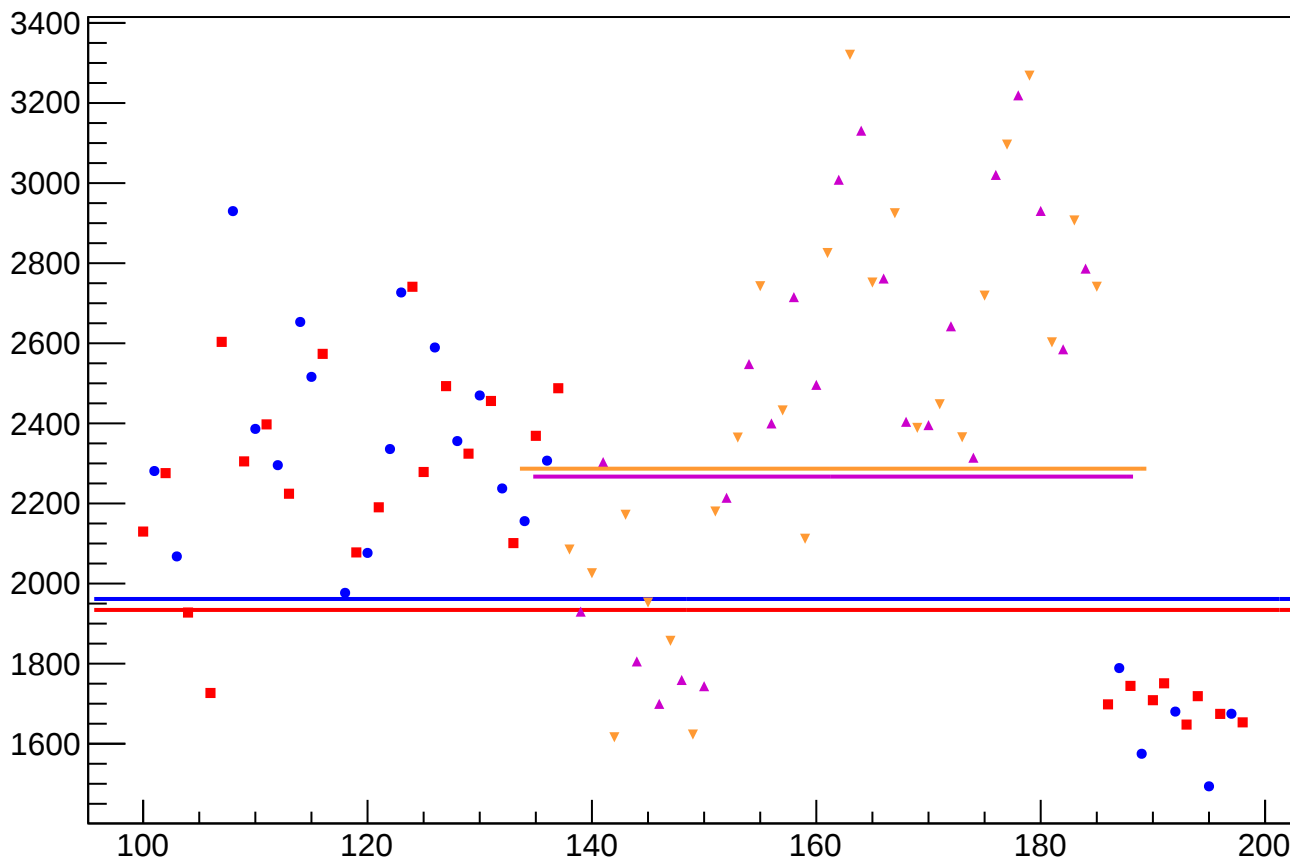
Right: 40.948 $\pm$ 0.423 χ^2/NDF : 8547.4/48

In: -0.579 $\pm$ 0.421 χ^2/NDF : 25761.0/44

Out: 13.083 $\pm$ 0.391 χ^2/NDF : 4402.3/51

All: 6.748 $\pm$ 0.287 χ^2/NDF : 30728.5/96

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 1961.483 $\pm$ 0.453 χ^2 /NDF: 685533.0/21

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

Right Out: 1934.111 $\pm$ 0.398 χ^2 /NDF: 605730.2/26

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

Left: 2277.239 $\pm$ 0.276 χ^2 /NDF: 2675141.7/47

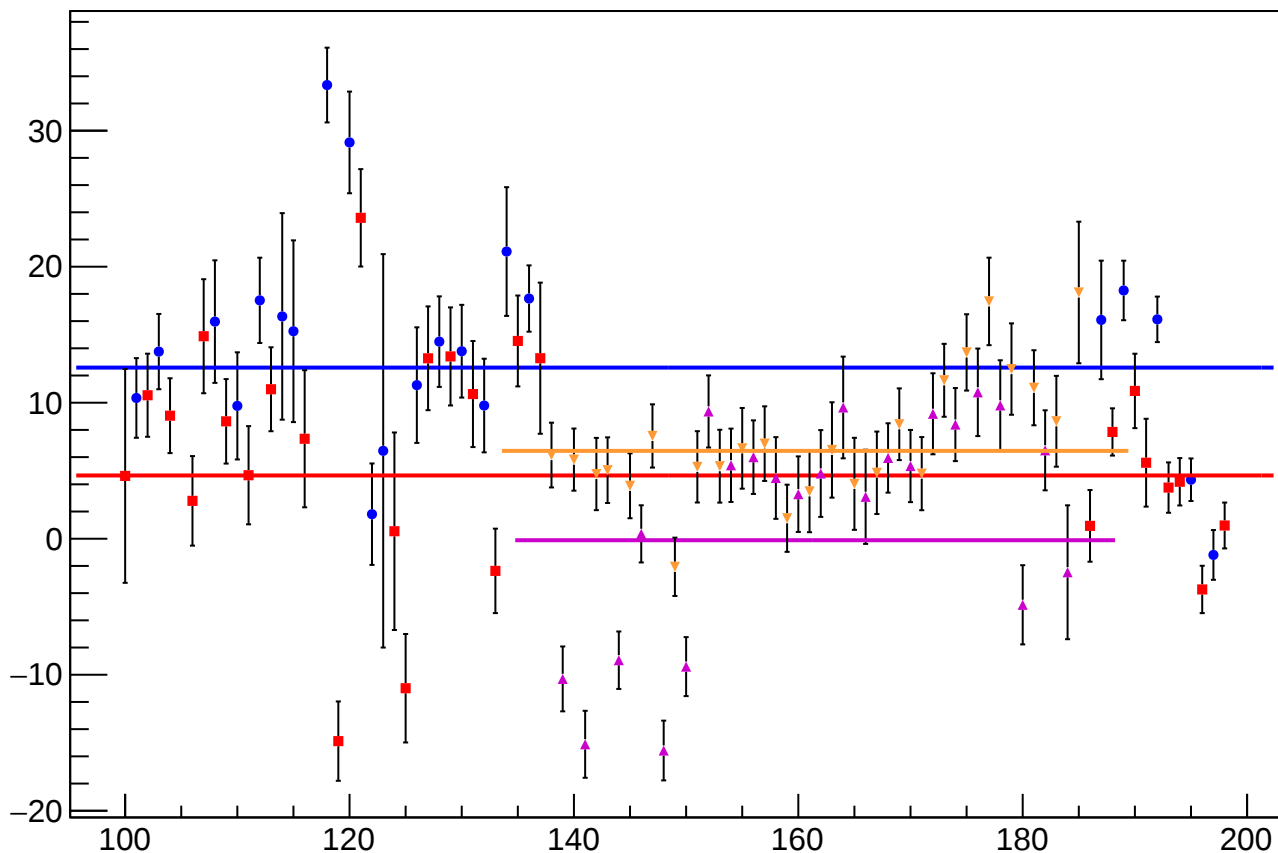
Right: 1946.046 $\pm$ 0.299 χ^2 /NDF: 1293323.9/48

In: 2135.110 $\pm$ 0.298 χ^2 /NDF: 2257669.6/44

Out: 2116.513 $\pm$ 0.277 χ^2 /NDF: 2372097.3/51

All: 2125.136 $\pm$ 0.203 χ^2 /NDF: 4631861.3/96

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 12.582 $\pm$ 0.616 χ^2/NDF : 195.1/21

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

Right Out: 4.651 $\pm$ 0.538 χ^2/NDF : 175.7/26

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

Left: 3.278 $\pm$ 0.393 χ^2/NDF : 363.0/47

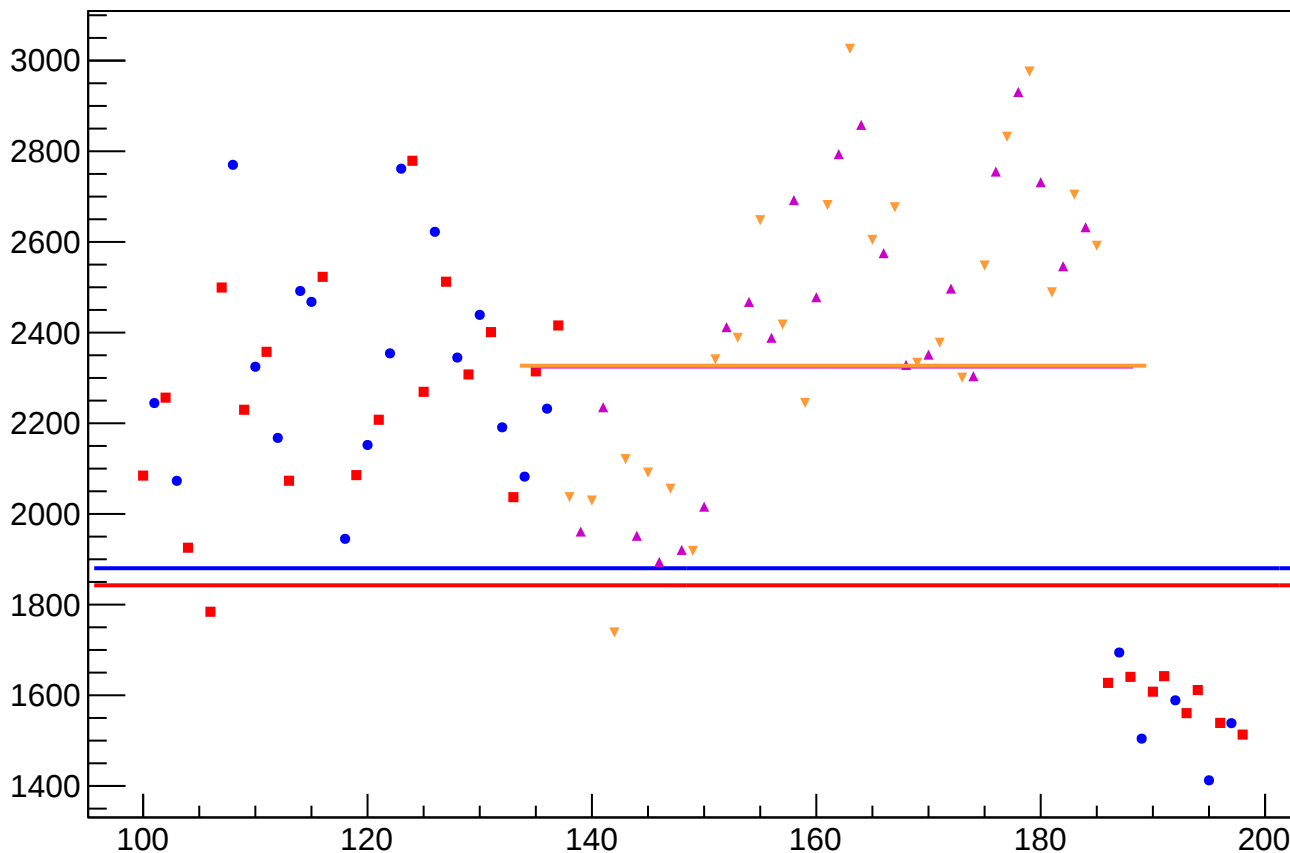
Right: 8.085 $\pm$ 0.405 χ^2/NDF : 464.9/48

In: 5.693 $\pm$ 0.416 χ^2/NDF : 660.3/44

Out: 5.539 $\pm$ 0.384 χ^2/NDF : 240.0/51

All: 5.610 $\pm$ 0.282 χ^2/NDF : 900.4/96

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 1880.253 ± 0.435 $\chi^2/\text{NDF}: 827815.9/21$

Left Out: 2327.044 ± 0.387 $\chi^2/\text{NDF}: 646706.7/24$

Right Out: 1842.612 ± 0.381 $\chi^2/\text{NDF}: 786995.3/26$

Left In: 2325.175 ± 0.400 $\chi^2/\text{NDF}: 610729.2/22$

Left: 2326.139 ± 0.278 $\chi^2/\text{NDF}: 1257447.2/47$

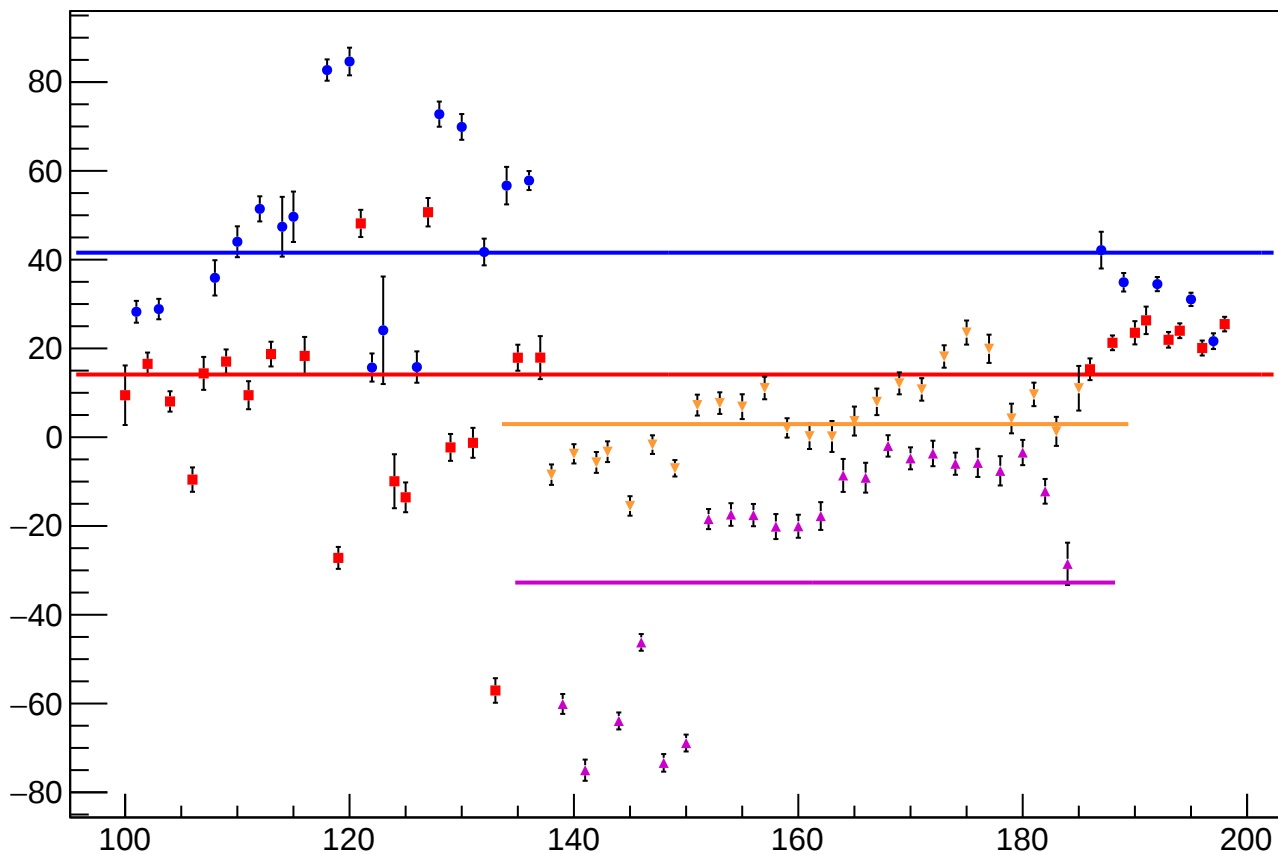
Right: 1858.913 ± 0.287 $\chi^2/\text{NDF}: 1619048.4/48$

In: 2121.744 ± 0.294 $\chi^2/\text{NDF}: 2005299.6/44$

Out: 2080.641 ± 0.271 $\chi^2/\text{NDF}: 2229946.1/51$

All: 2099.524 ± 0.200 $\chi^2/\text{NDF}: 4245782.1/96$

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 41.571 $\pm$ 0.558 χ^2/NDF : 1175.6/21

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

Right Out: 14.120 $\pm$ 0.492 χ^2/NDF : 1583.1/26

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

Left: -14.409 $\pm$ 0.367 χ^2/NDF : 5335.1/47

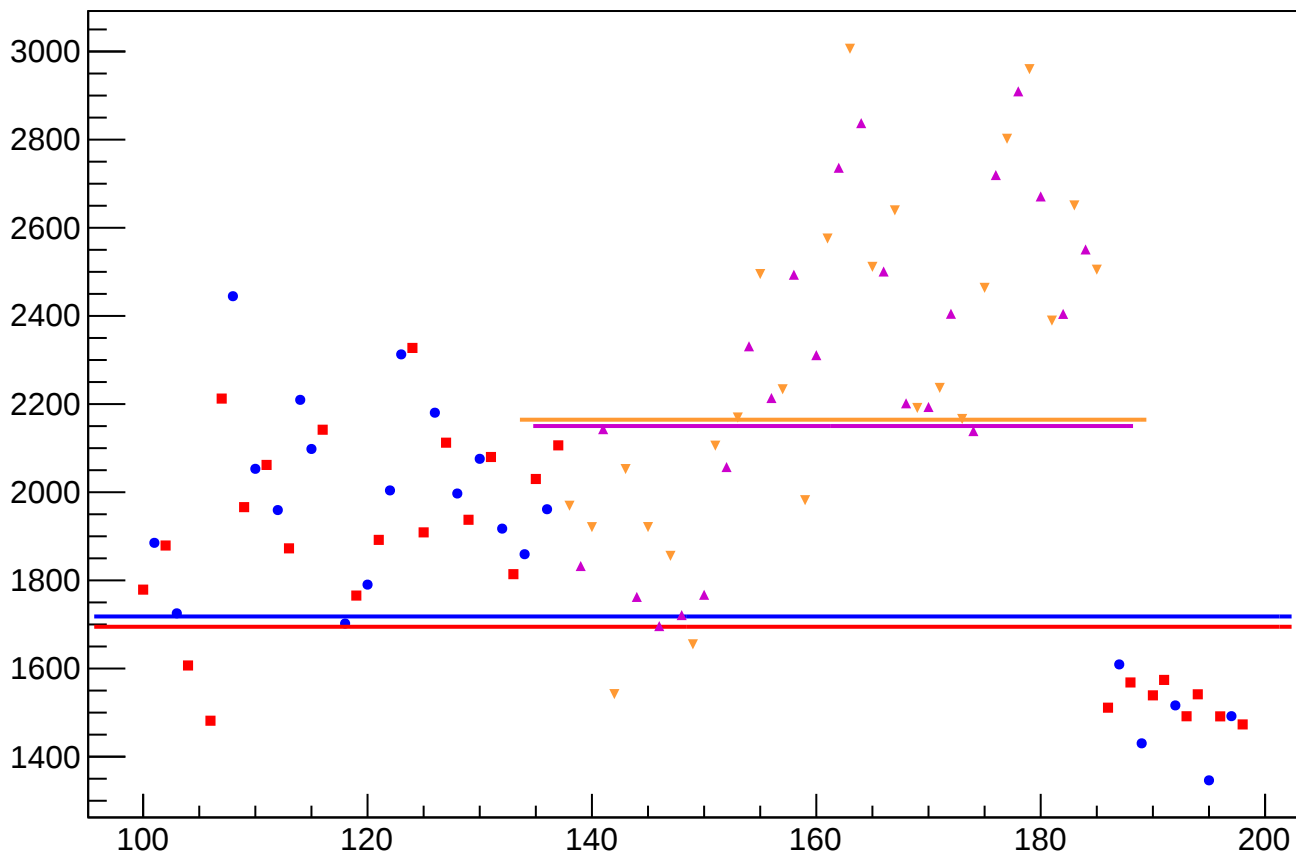
Right: 26.117 $\pm$ 0.369 χ^2/NDF : 4121.9/48

In: 2.239 $\pm$ 0.383 χ^2/NDF :13200.8/44

Out: 8.763 $\pm$ 0.355 χ^2/NDF :2168.5/51

All: 5.750 $\pm$ 0.260 χ^2/NDF : 15525.6/96

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1718.128+/-0.394 χ^2/NDF : 499510.7/21

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

Right Out: 1694.758+/-0.348 χ^2/NDF : 439807.3/26

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

Left: 2157.578+/-0.259 χ^2/NDF : 1878220.9/47

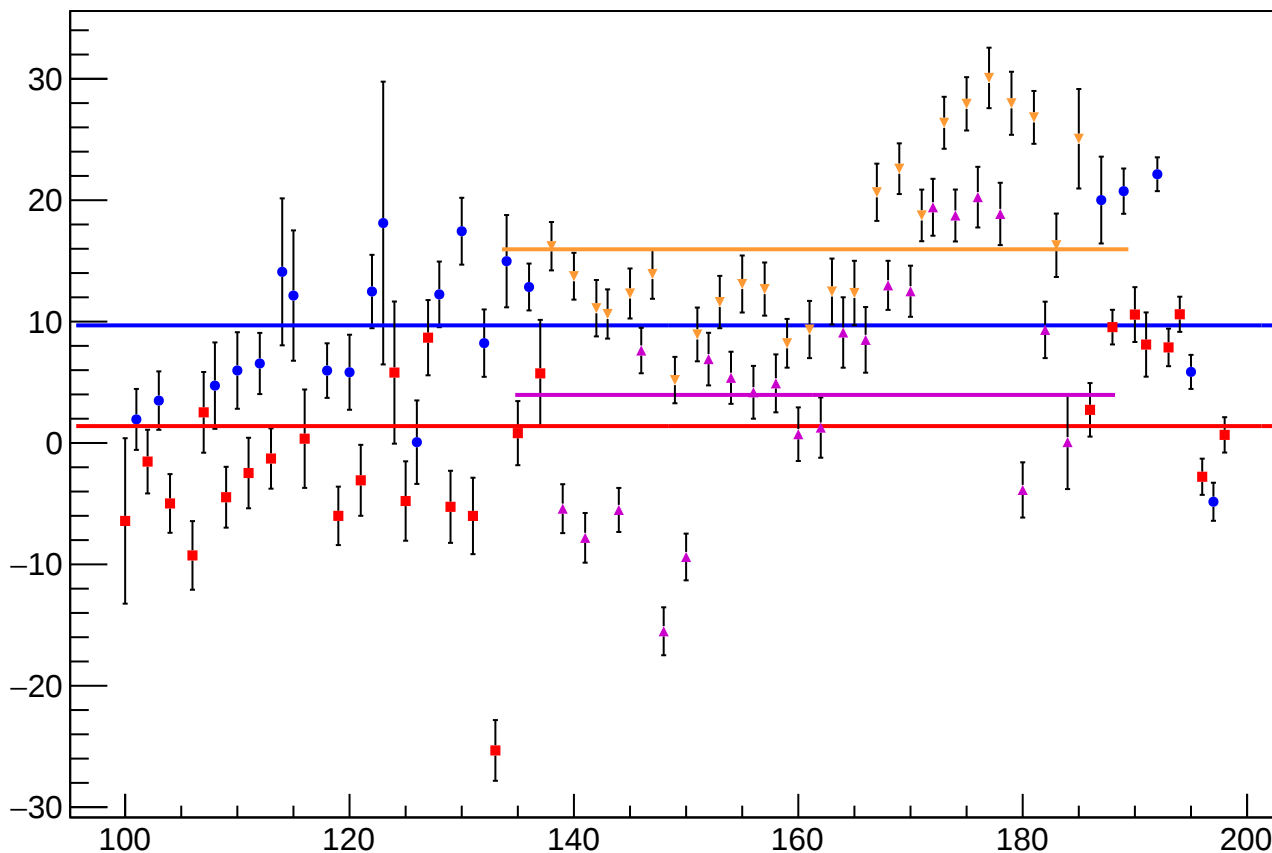
Right: 1704.972+/-0.261 χ^2/NDF : 941293.9/48

In: 1946.796+/-0.271 χ^2/NDF : 2046314.9/44

Out: 1920.122+/-0.251 χ^2/NDF : 2281880.9/51

All: 1932.440+/-0.184 χ^2/NDF : 4333423.6/96

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 9.688 ± 0.515 χ^2/NDF : 265.7/21

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

Right Out: 1.391 ± 0.448 χ^2/NDF : 301.5/26

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

Left: 10.161 ± 0.322 χ^2/NDF : 1057.3/47

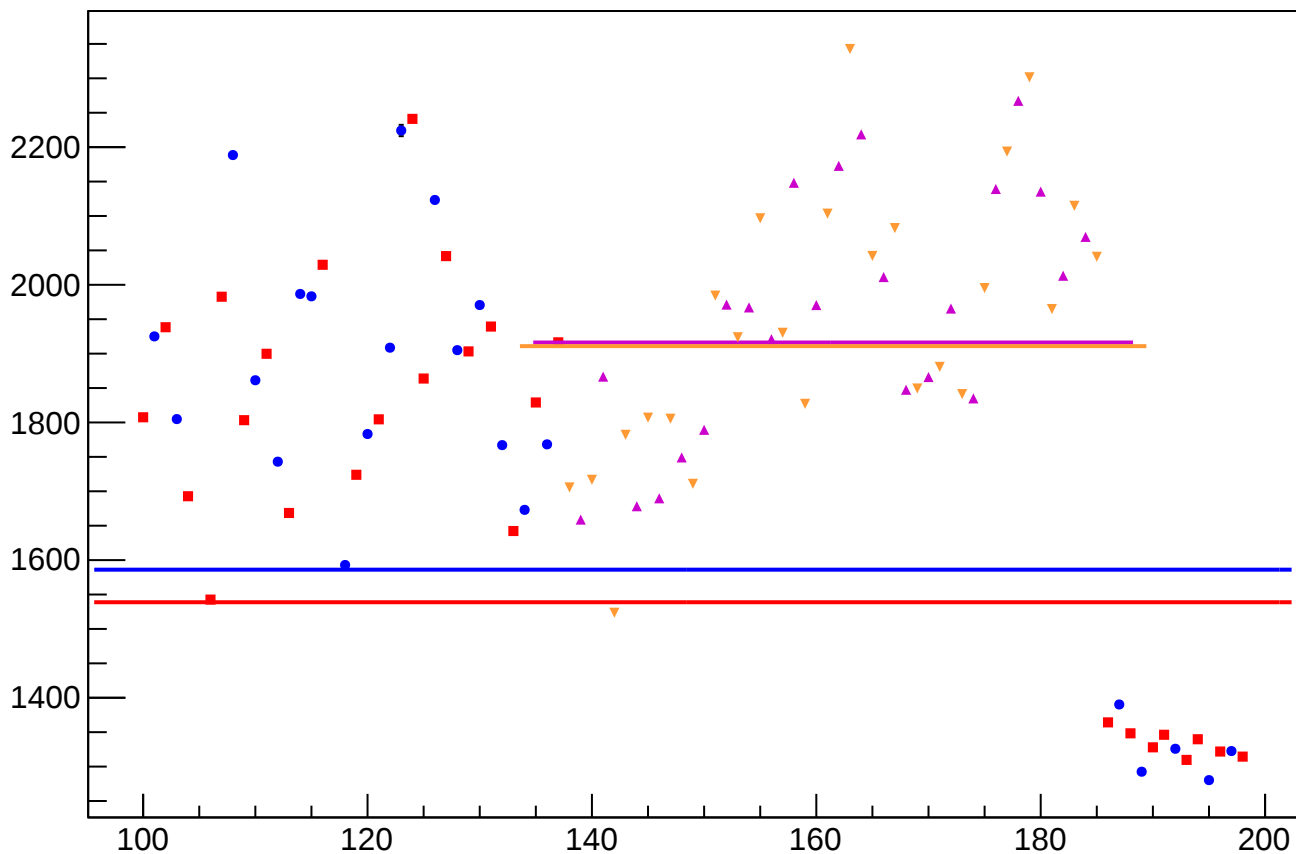
Right: 4.959 ± 0.338 χ^2/NDF : 714.9/48

In: 6.518 ± 0.344 χ^2/NDF : 799.0/44

Out: 8.677 ± 0.316 χ^2/NDF : 1076.3/51

All: 7.688 ± 0.233 χ^2/NDF : 1896.6/96

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1586.112 $\pm$ 0.364 χ^2 /NDF: 609687.6/21

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

Right Out: 1538.788 $\pm$ 0.316 χ^2 /NDF: 663118.2/26

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

Left: 1913.419 $\pm$ 0.227 χ^2 /NDF: 603391.5/47

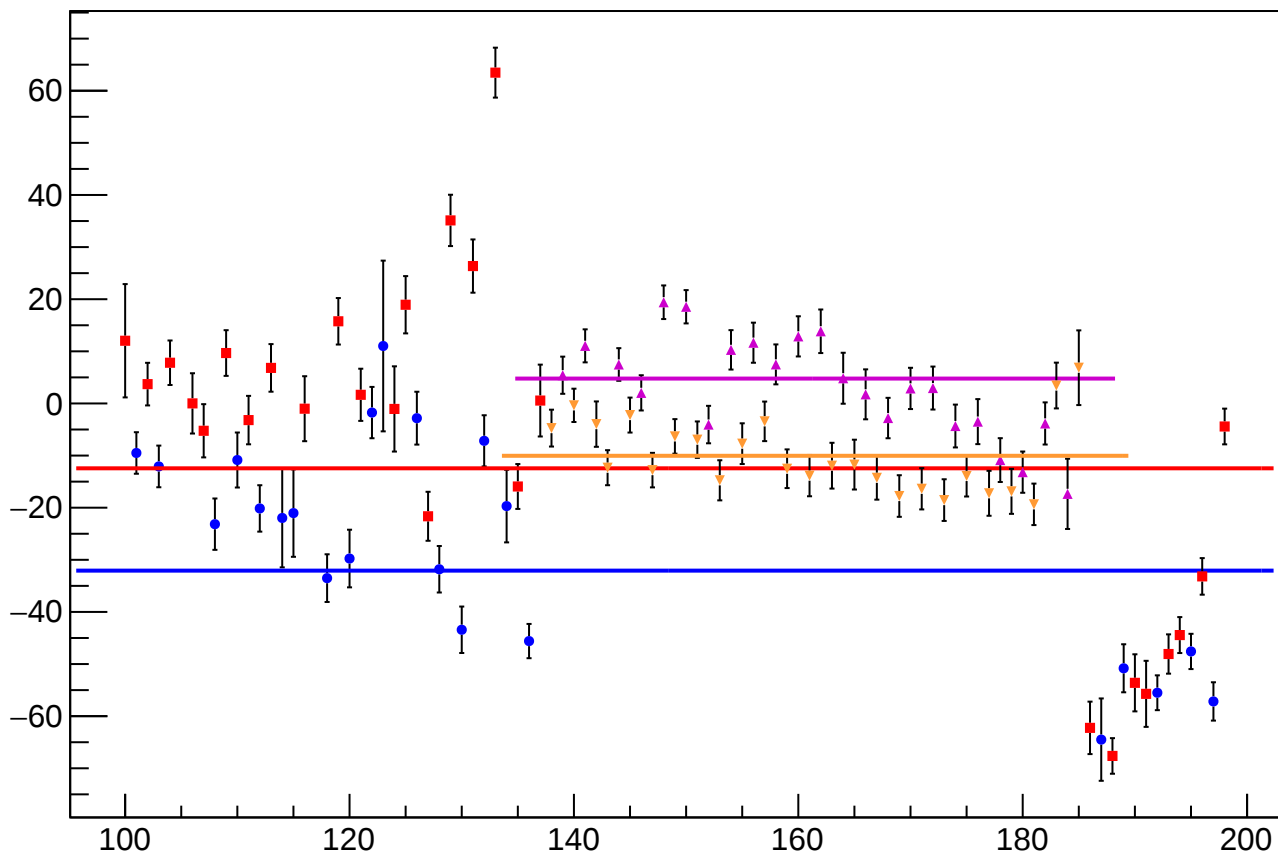
Right: 1559.138 $\pm$ 0.239 χ^2 /NDF: 1282420.3/48

In: 1768.792 $\pm$ 0.243 χ^2 /NDF: 1338091.1/44

Out: 1724.896 $\pm$ 0.224 χ^2 /NDF: 1683404.8/51

All: 1744.993 $\pm$ 0.165 χ^2 /NDF: 3039117.2/96

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -32.075±/0.994 χ^2/NDF : 367.5/21

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

Right Out: -12.445±/0.895 χ^2/NDF : 1271.2/26

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

Left: -2.861±/0.557 χ^2/NDF : 372.2/47

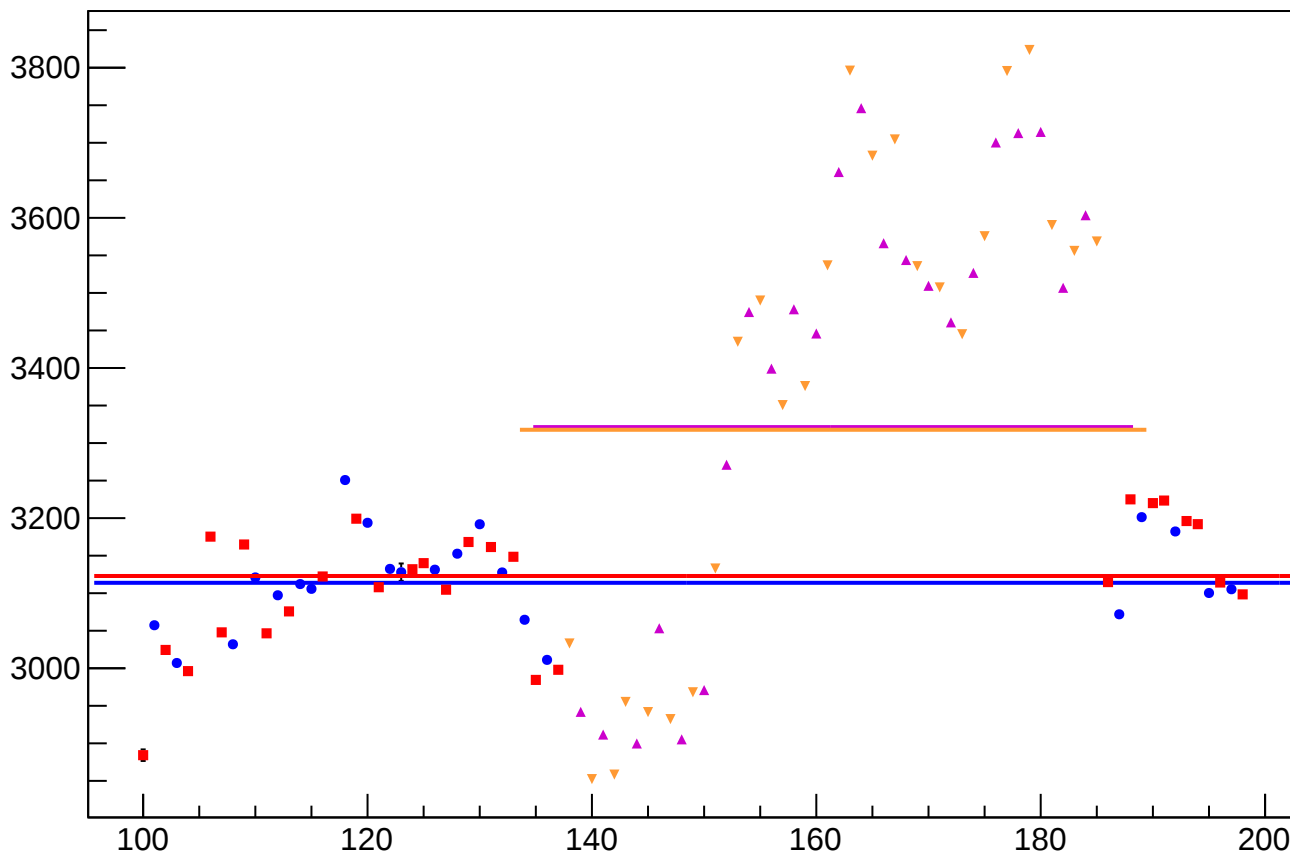
Right: -21.230±/0.665 χ^2/NDF : 1854.1/48

In: -9.723±/0.623 χ^2/NDF : 1329.7/44

Out: -11.074±/0.586 χ^2/NDF : 1342.4/51

All: -10.440±/0.427 χ^2/NDF : 2674.6/96

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3113.849 $\pm$ 0.703 χ^2/NDF : 9167.6/21

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

Right Out: 3122.930 $\pm$ 0.633 χ^2/NDF : 13735.4/26

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

Left: 3319.432 $\pm$ 0.394 χ^2/NDF : 621232.0/47

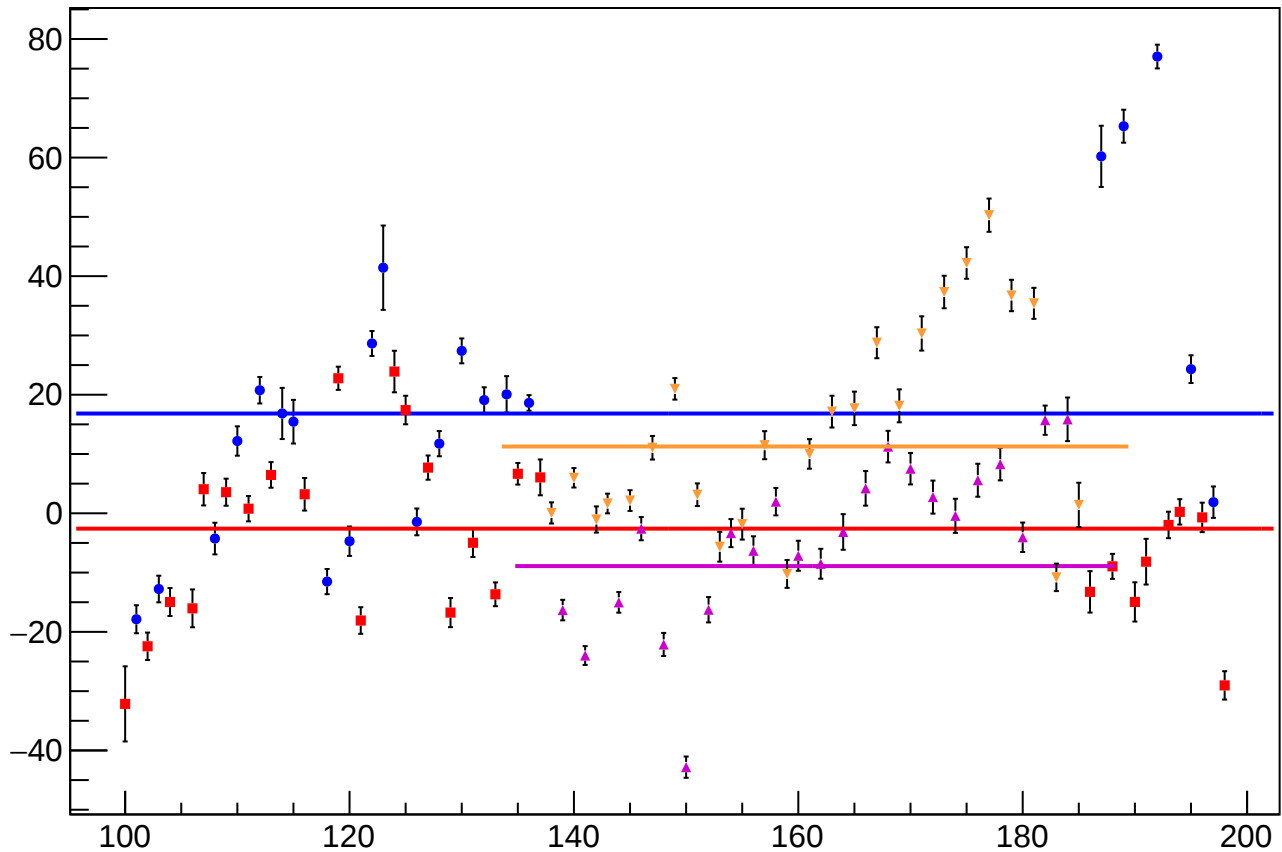
Right: 3118.865 $\pm$ 0.470 χ^2/NDF : 22995.3/48

In: 3239.672 $\pm$ 0.441 χ^2/NDF : 346335.0/44

Out: 3234.034 $\pm$ 0.415 χ^2/NDF : 404686.7/51

All: 3236.680 $\pm$ 0.302 χ^2/NDF : 751108.5/96

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 16.827 $\pm$ 0.505 χ^2/NDF : 2175.8/21

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

Right Out: -2.589 $\pm$ 0.469 χ^2/NDF : 803.1/26

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

Left: 1.682 $\pm$ 0.329 χ^2/NDF : 3014.7/47

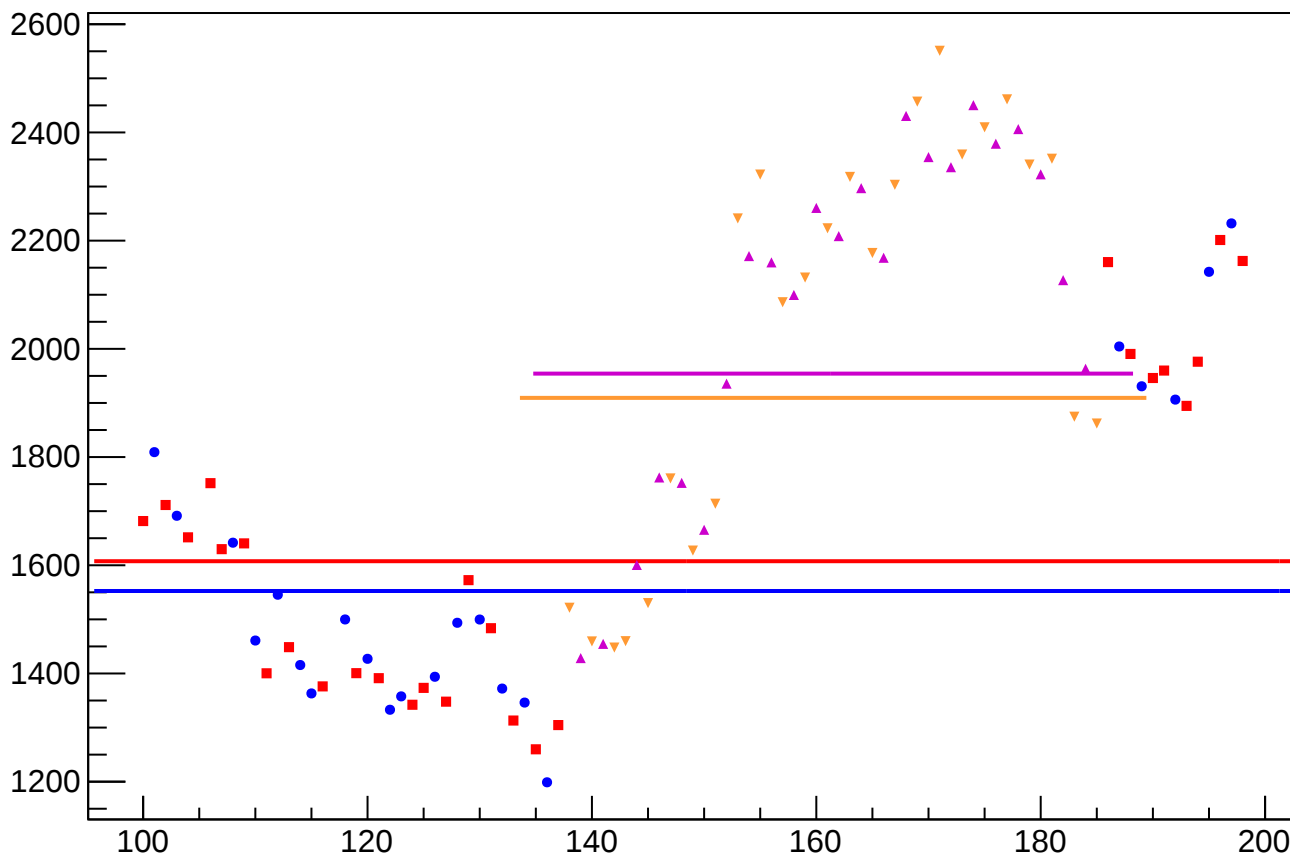
Right: 6.401 $\pm$ 0.343 χ^2/NDF : 3773.4/48

In: 3.249 $\pm$ 0.347 χ^2/NDF :4483.5/44

Out: 4.555 $\pm$ 0.326 χ^2/NDF :2395.5/51

All: 3.942 $\pm$ 0.238 χ^2/NDF : 6886.5/96

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1552.444 $\pm$ 0.357 χ^2/NDF : 627455.0/21

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

Right Out: 1607.500 $\pm$ 0.331 χ^2/NDF : 766140.9/26

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

Left: 1930.697 $\pm$ 0.233 χ^2/NDF : 2452584.2/47

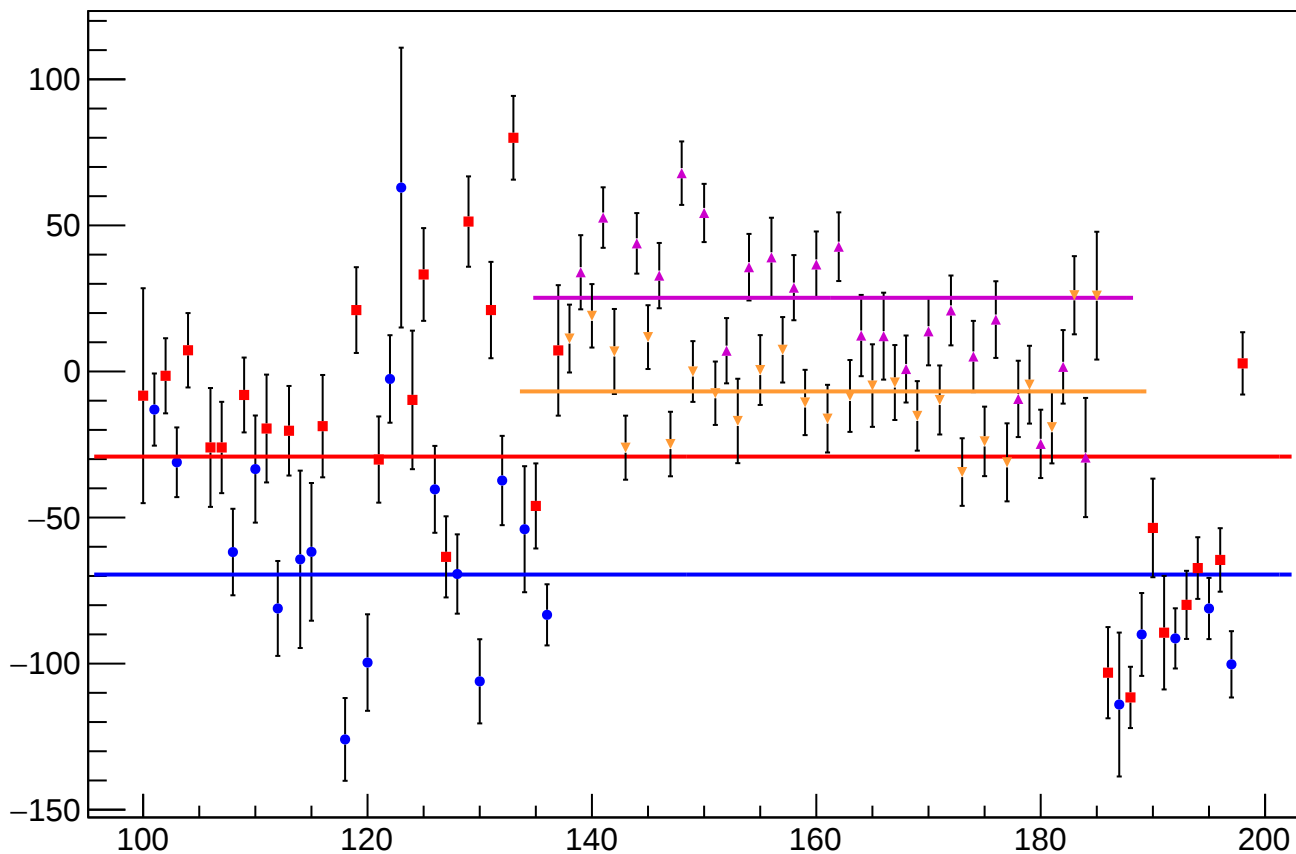
Right: 1582.008 $\pm$ 0.243 χ^2/NDF : 1406373.9/48

In: 1764.465 $\pm$ 0.245 χ^2/NDF : 2341053.5/44

Out: 1763.132 $\pm$ 0.231 χ^2/NDF : 2592380.7/51

All: 1763.757 $\pm$ 0.168 χ^2/NDF : 4933449.8/96

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -69.515 $\pm$ 3.092 χ^2/NDF : 118.3/21

Left Out: -6.825 $\pm$ 2.423 χ^2/NDF : 42.3/24

Right Out: -29.135 $\pm$ 2.789 χ^2/NDF : 296.5/26

Left In: 25.215 $\pm$ 2.487 χ^2/NDF : 89.3/22

Left: 8.777 $\pm$ 1.735 χ^2/NDF : 216.8/47

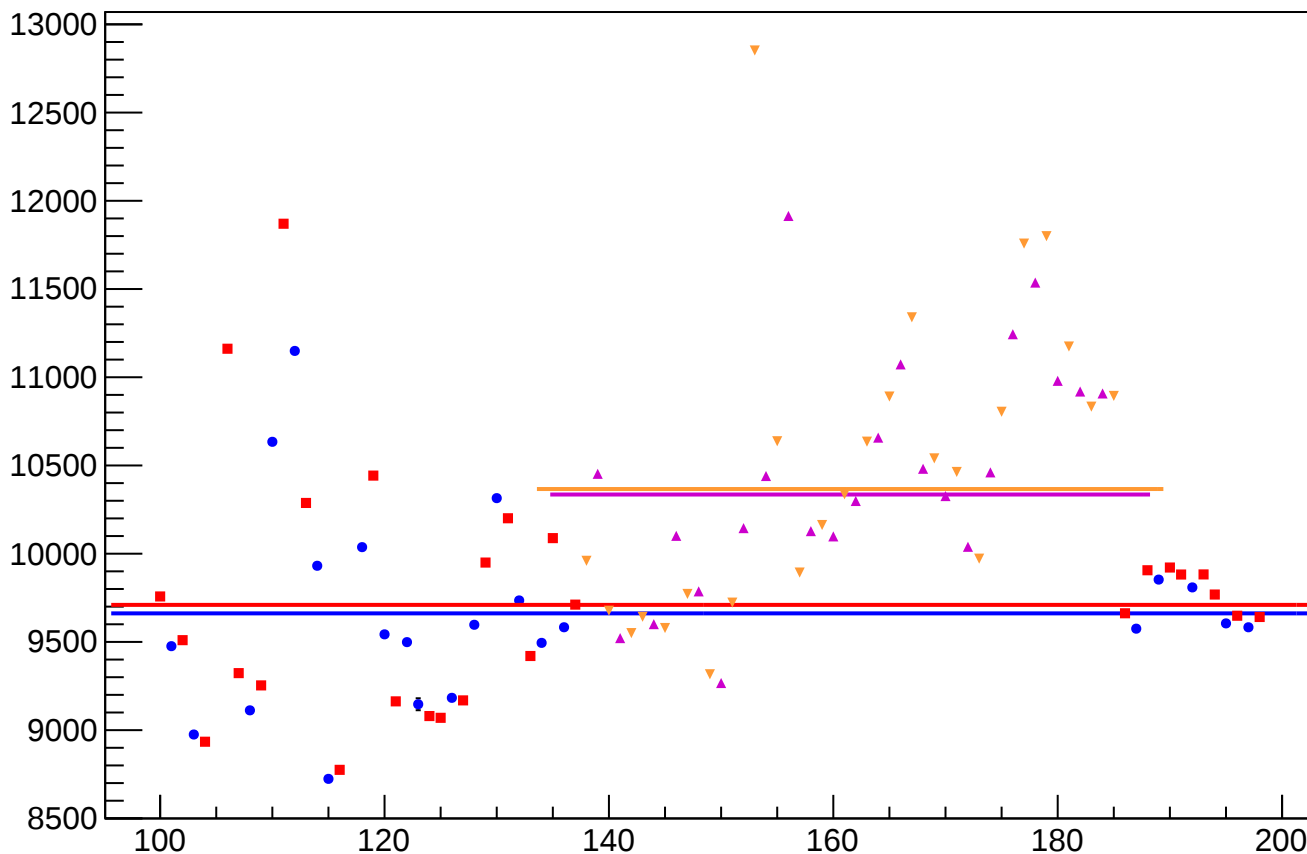
Right: -47.247 $\pm$ 2.071 χ^2/NDF : 508.8/48

In: -11.982 $\pm$ 1.938 χ^2/NDF : 777.5/44

Out: -16.419 $\pm$ 1.829 χ^2/NDF : 375.3/51

All: -14.329 $\pm$ 1.330 χ^2/NDF : 1155.5/96

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9661.805 ± 2.187 $\chi^2/\text{NDF}: 44981.0/21$

Left Out: 10366.534 ± 1.713 $\chi^2/\text{NDF}: 211402.8/24$

Right Out: 9709.934 ± 1.972 $\chi^2/\text{NDF}: 79479.8/26$

Left In: 10335.399 ± 1.758 $\chi^2/\text{NDF}: 127173.0/22$

Left: 10351.373 ± 1.227 $\chi^2/\text{NDF}: 338736.7/47$

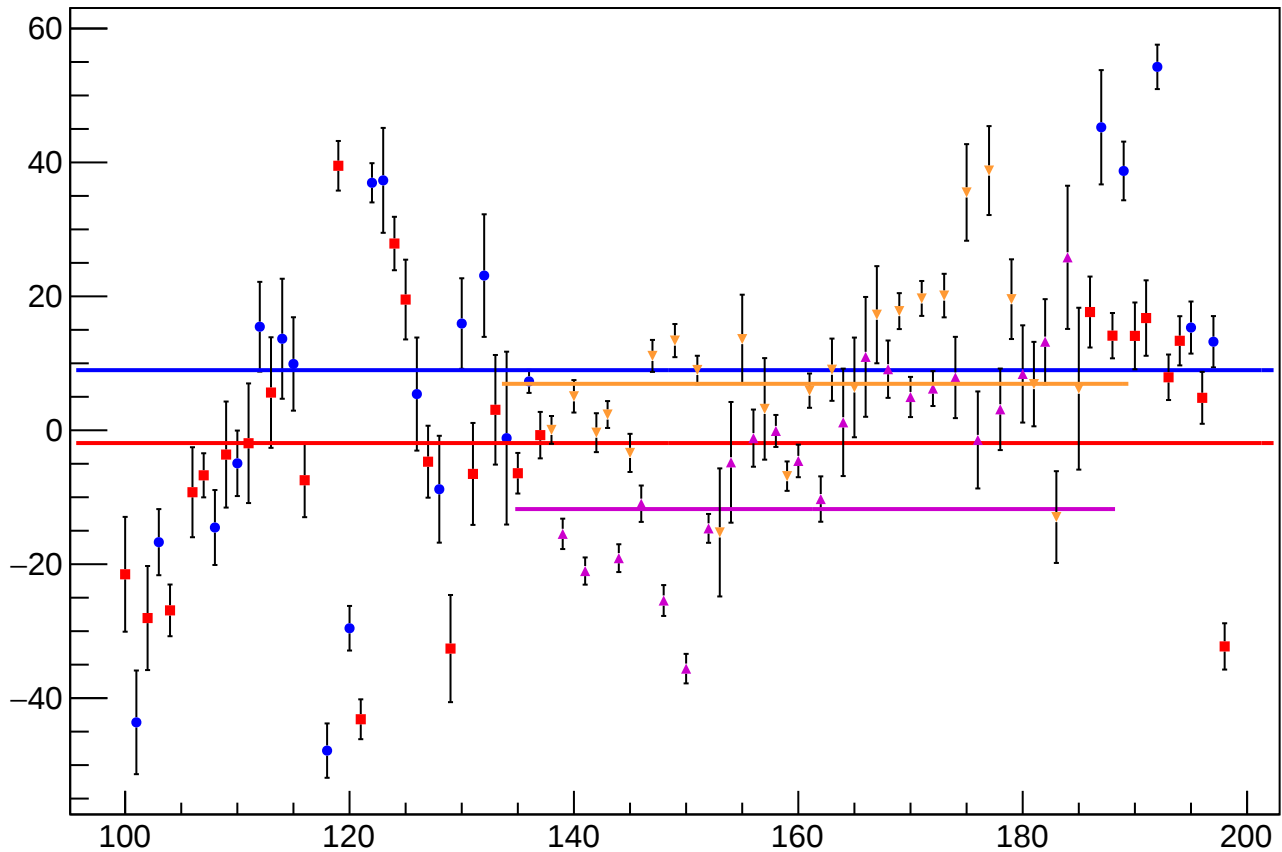
Right: 9688.346 ± 1.465 $\chi^2/\text{NDF}: 124727.9/48$

In: 10070.899 ± 1.370 $\chi^2/\text{NDF}: 229783.3/44$

Out: 10084.178 ± 1.293 $\chi^2/\text{NDF}: 354063.9/51$

All: 10077.922 ± 0.941 $\chi^2/\text{NDF}: 583896.9/96$

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 8.979 ± 0.925 $\chi^2/\text{NDF}: 799.2/21$

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

Right Out: -1.908 ± 0.863 $\chi^2/\text{NDF}: 630.6/26$

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

Left: -2.274 ± 0.455 $\chi^2/\text{NDF}: 1021.3/47$

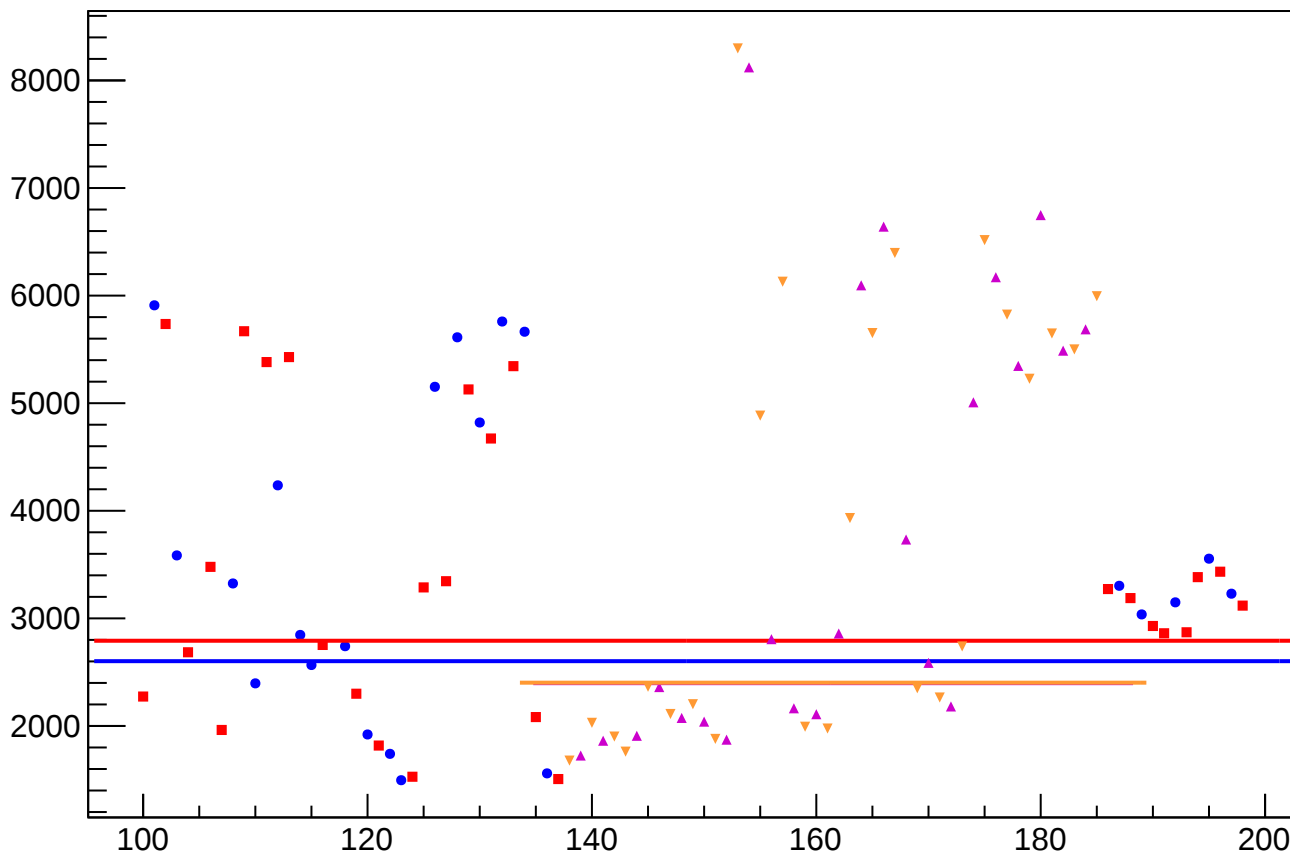
Right: 3.156 ± 0.631 $\chi^2/\text{NDF}: 1503.9/48$

In: -4.930 ± 0.531 $\chi^2/\text{NDF}: 1531.6/44$

Out: 3.805 ± 0.513 $\chi^2/\text{NDF}: 902.3/51$

All: -0.415 ± 0.369 $\chi^2/\text{NDF}: 2573.9/96$

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2602.289 $\pm$ 0.654

χ^2/NDF : 2930038.9/21

Left: 2400.065 $\pm$ 0.322 χ^2/NDF : 11744955.3/47

Right: 2703.785 $\pm$ 0.446 χ^2/NDF : 5582409.5/48

Left Out: 2402.359 $\pm$ 0.452

χ^2/NDF : 6345982.8/24

In: 2465.114 $\pm$ 0.375 χ^2/NDF : 8394577.9/44

Right Out: 2792.056 $\pm$ 0.610

χ^2/NDF : 2607336.2/26

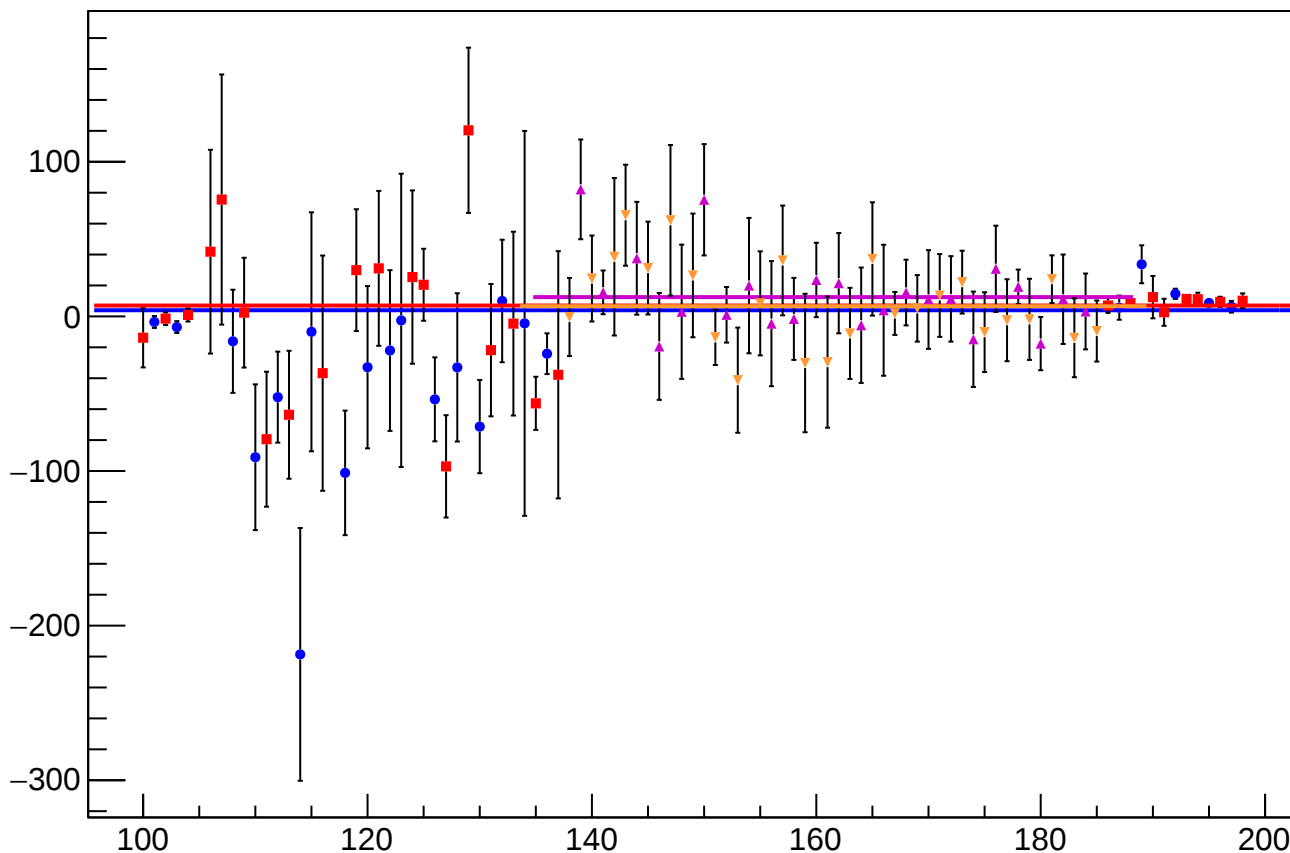
Out: 2540.388 $\pm$ 0.363 χ^2/NDF : 9216991.1/51

Left In: 2397.701 $\pm$ 0.458

χ^2/NDF : 5398920.1/22

All: 2504.018 $\pm$ 0.261 χ^2/NDF : 17632349.4/9

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: 3.975 ± 1.518 χ^2/NDF : 69.9/21

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

Right Out: 7.021 ± 1.282 χ^2/NDF : 50.0/26

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

Left: 9.545 ± 3.572 χ^2/NDF : 32.8/47

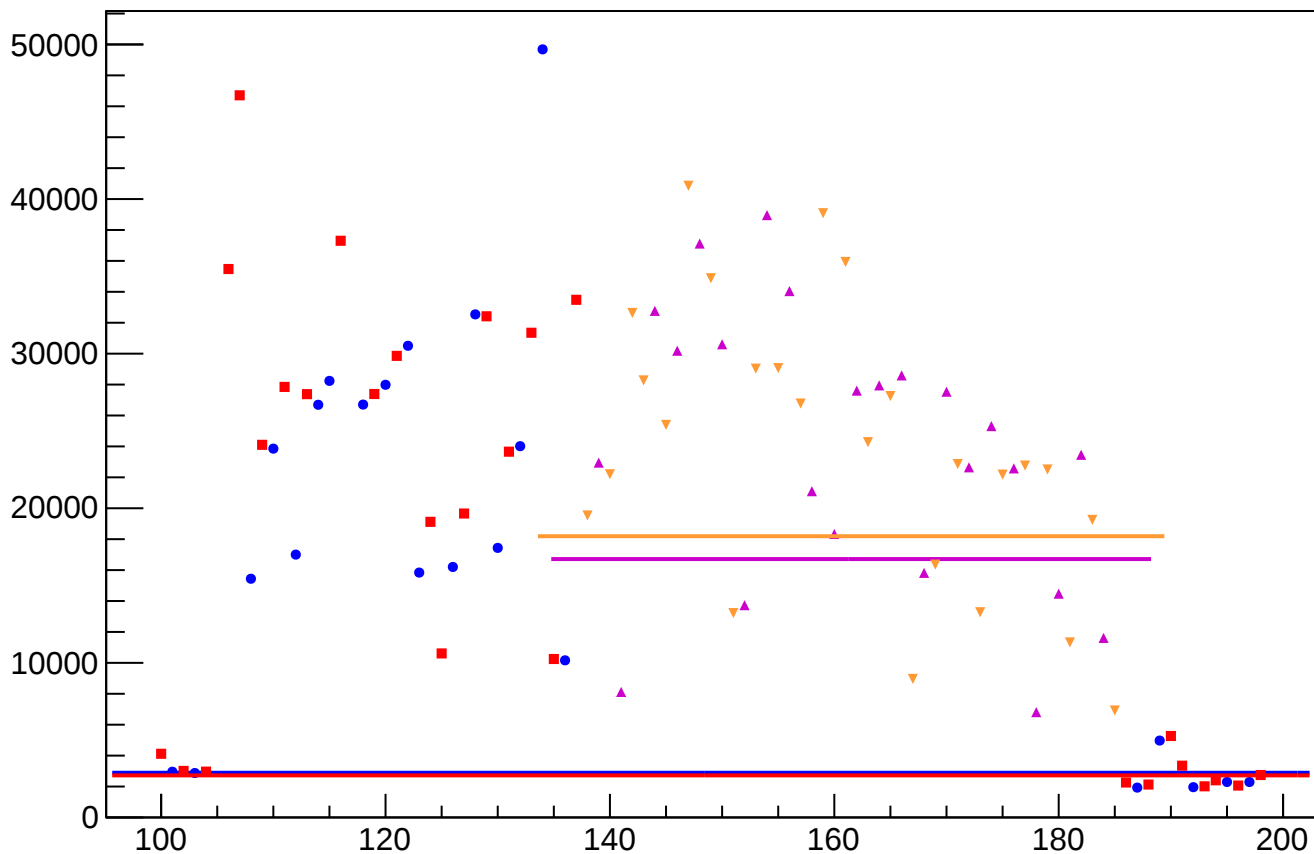
Right: 5.752 ± 0.980 χ^2/NDF : 122.3/48

In: 4.685 ± 1.453 χ^2/NDF : 88.0/44

Out: 6.994 ± 1.243 χ^2/NDF : 66.8/51

All: 6.018 ± 0.945 χ^2/NDF : 156.2/96

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 2890.386 ± 1.073 $\chi^2/\text{NDF}: 6821806.1/21$

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

Right Out: 2720.767 ± 0.907 $\chi^2/\text{NDF}: 8542114.0/26$

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

Left: 17444.397 ± 2.526 $\chi^2/\text{NDF}: 11540970.2/47$

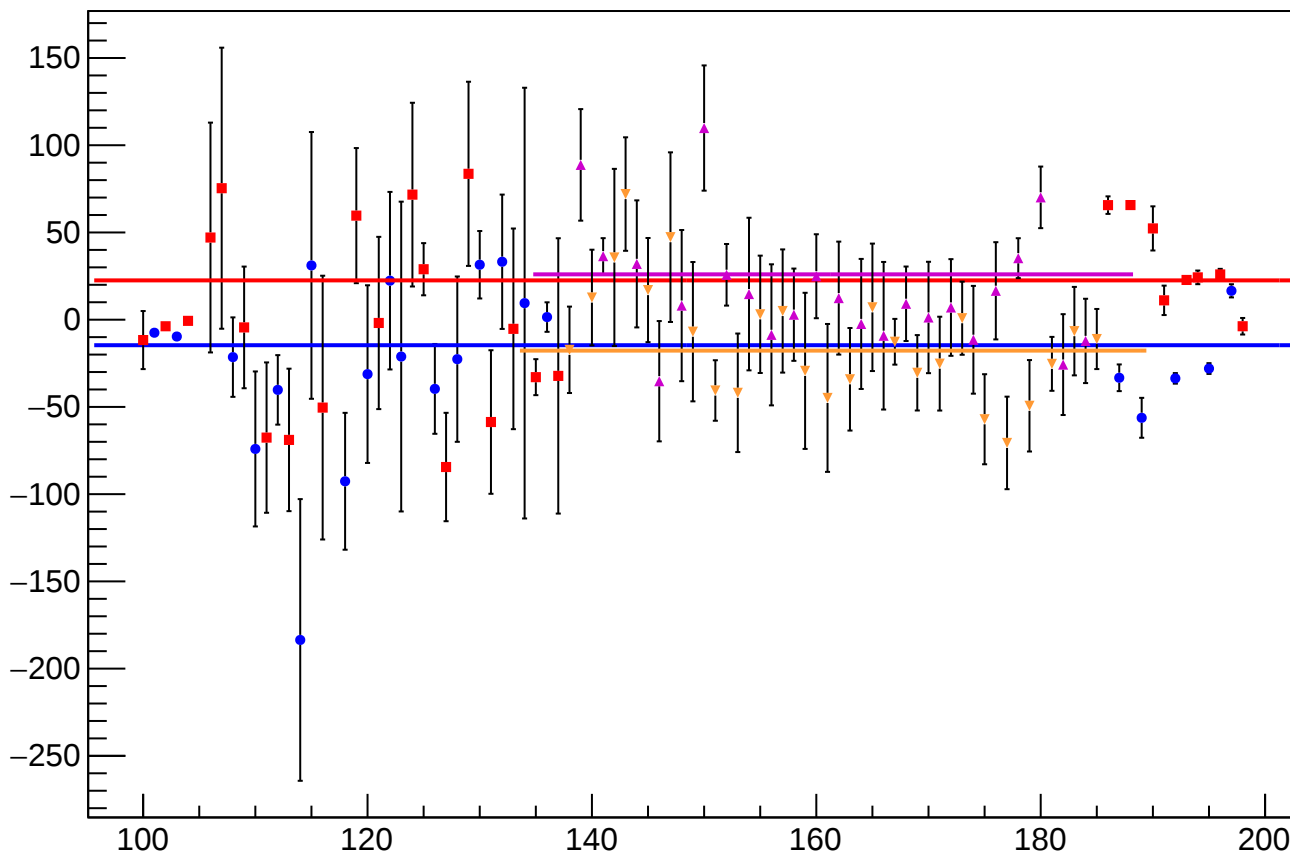
Right: 2791.416 ± 0.693 $\chi^2/\text{NDF}: 15378492.9/48$

In: 4046.065 ± 1.027 $\chi^2/\text{NDF}: 26884004.9/44$

Out: 3648.456 ± 0.879 $\chi^2/\text{NDF}: 31255389.7/51$

All: 3816.532 ± 0.668 $\chi^2/\text{NDF}: 58225848.2/99$

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -14.626 ± 1.264 $\chi^2/\text{NDF}: 181.4/21$

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

Right Out: 22.528 ± 1.114 $\chi^2/\text{NDF}: 585.9/26$

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

Left: 4.967 ± 3.450 $\chi^2/\text{NDF}: 99.8/47$

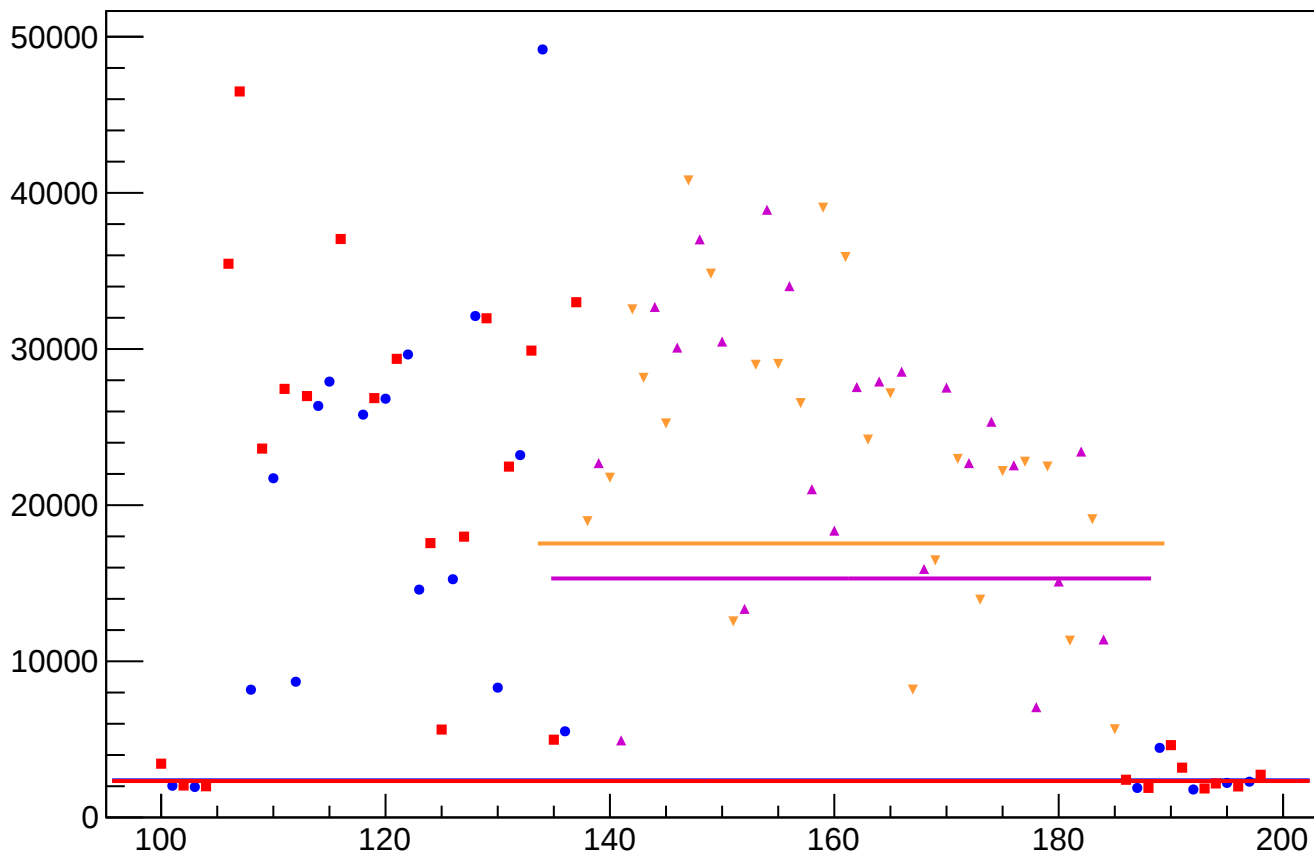
Right: 6.297 ± 0.836 $\chi^2/\text{NDF}: 1253.7/48$

In: -11.979 ± 1.222 $\chi^2/\text{NDF}: 281.3/44$

Out: 20.607 ± 1.087 $\chi^2/\text{NDF}: 675.4/51$

All: 6.223 ± 0.812 $\chi^2/\text{NDF}: 1353.6/96$

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2375.623+/-0.894 χ^2/NDF : 5765516.9/21

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

Right Out: 2332.066+/-0.787 χ^2/NDF : 8157045.8/26

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

Left: 16383.216+/-2.439 χ^2/NDF : 13834445.4/47

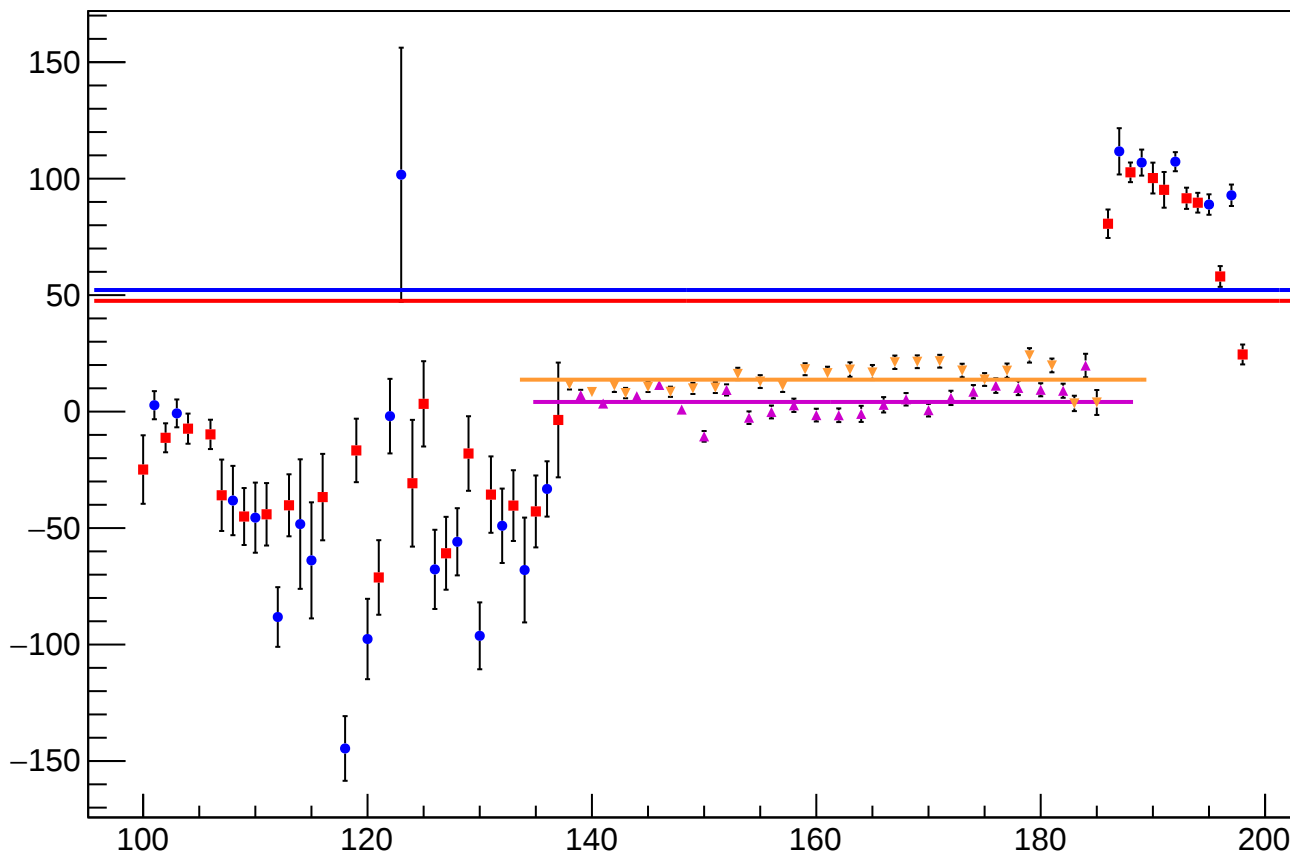
Right: 2351.095+/-0.591 χ^2/NDF : 13923899.6/48

In: 3218.015+/-0.864 χ^2/NDF : 27116168.8/44

Out: 3058.107+/-0.768 χ^2/NDF : 31876703.2/51

All: 3128.694+/-0.574 χ^2/NDF : 59011990.6/95

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: 52.197 $\pm$ 1.787 χ^2/NDF : 1462.2/21

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

Right Out: 47.545 $\pm$ 1.456 χ^2/NDF : 1249.2/26

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

Left: 9.097 $\pm$ 0.385 χ^2/NDF : 355.6/47

Right: 49.401 $\pm$ 1.129 χ^2/NDF : 2715.5/48

In: 8.366 $\pm$ 0.530 χ^2/NDF : 2233.6/44

Out: 17.740 $\pm$ 0.502 χ^2/NDF : 1815.0/51

All: 13.303 $\pm$ 0.365 χ^2/NDF : 4213.5/96

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 5116.888+/-1.263 χ^2/NDF : 3233446.9/21

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

Right Out: 4693.177+/-1.029 χ^2/NDF : 3585628.0/26

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

Left: 2284.067+/-0.272 χ^2/NDF : 1197894.4/47

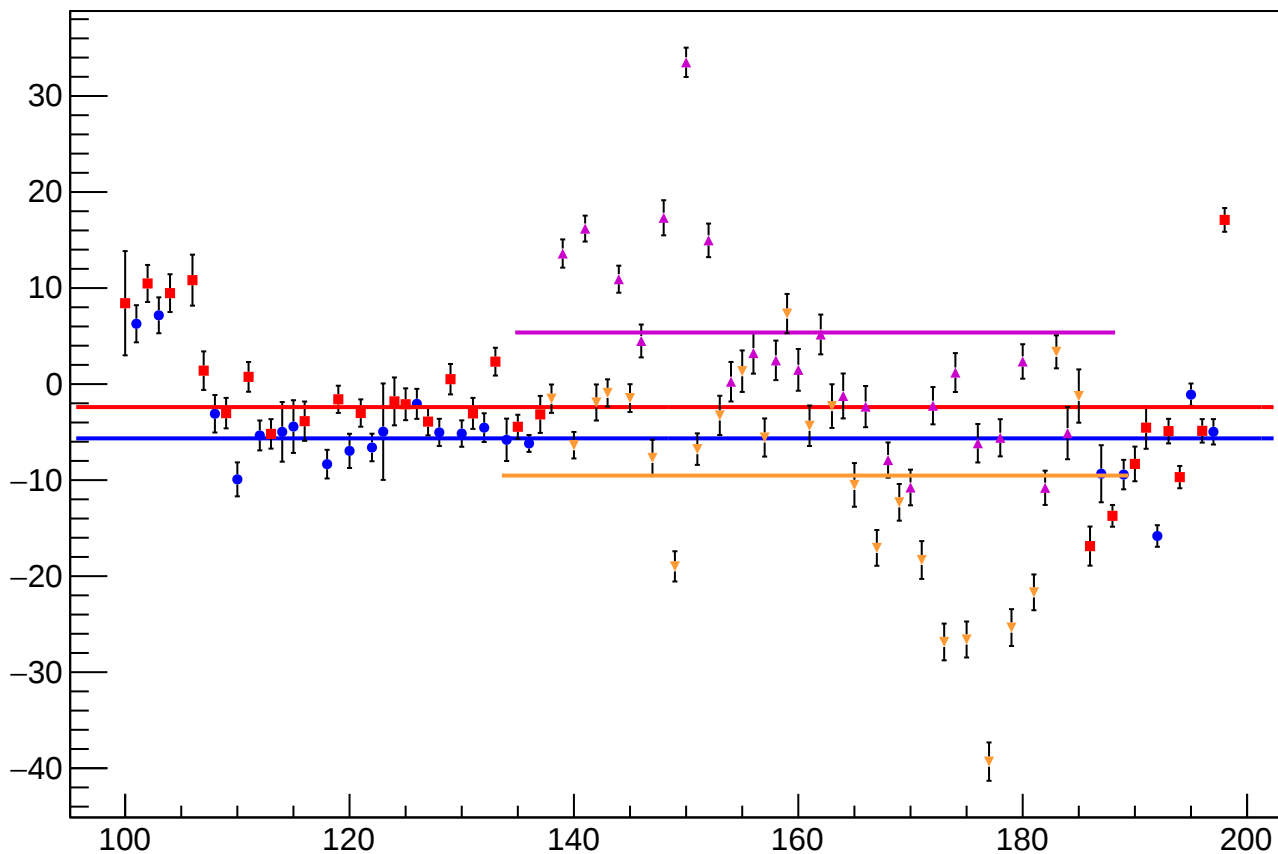
Right: 4862.188+/-0.798 χ^2/NDF : 6886676.8/48

In: 2538.986+/-0.375 χ^2/NDF : 8387911.1/44

Out: 2565.792+/-0.355 χ^2/NDF : 9042826.1/51

All: 2553.103+/-0.258 χ^2/NDF : 17433432.9/95

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -5.652 ± 0.331 $\chi^2/\text{NDF}: 208.9/21$

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

Right Out: -2.395 ± 0.304 $\chi^2/\text{NDF}: 598.2/26$

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

Left: -2.437 ± 0.264 $\chi^2/\text{NDF}: 2547.3/47$

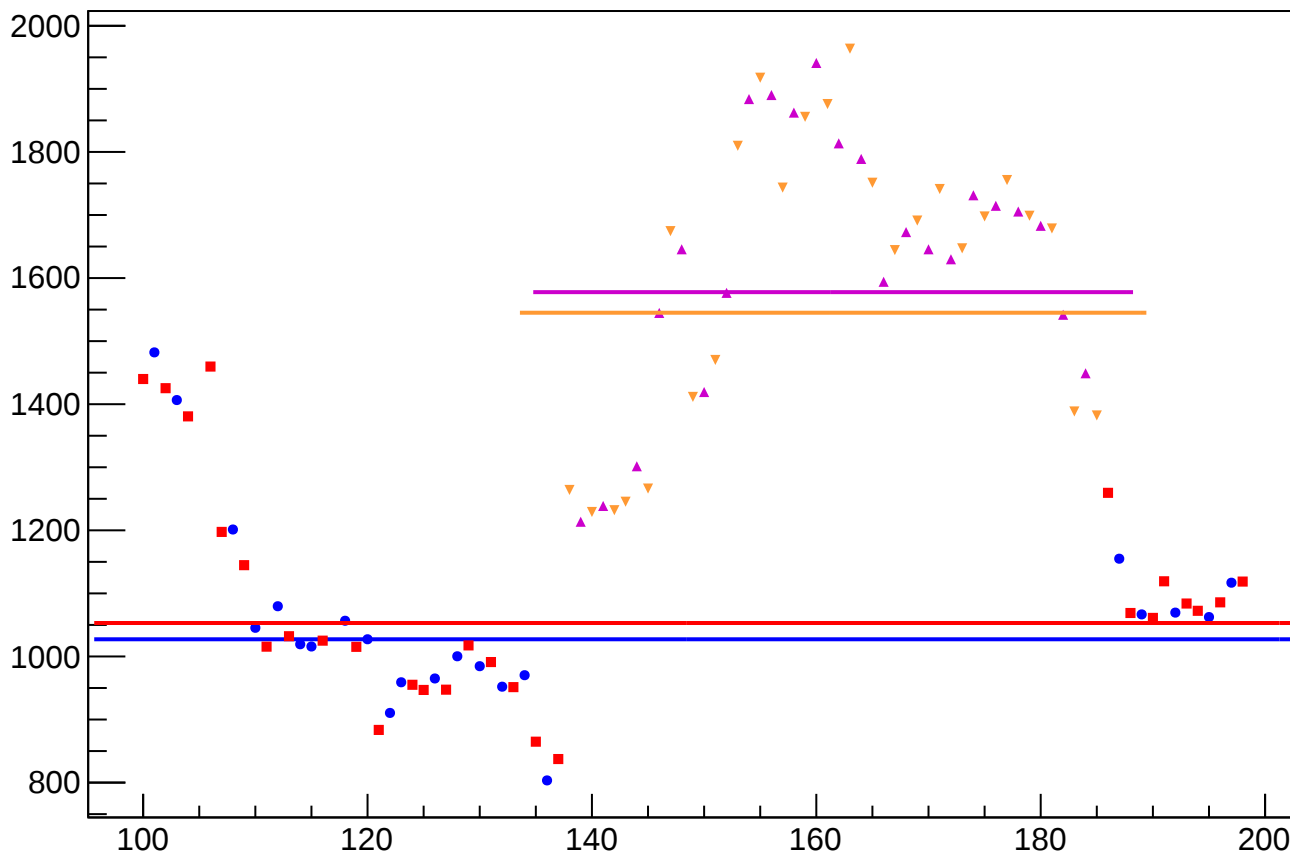
Right: -3.884 ± 0.224 $\chi^2/\text{NDF}: 859.5/48$

In: -0.931 ± 0.251 $\chi^2/\text{NDF}: 1552.7/44$

Out: -5.319 ± 0.234 $\chi^2/\text{NDF}: 1707.6/51$

All: -3.279 ± 0.171 $\chi^2/\text{NDF}: 3424.3/96$

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1027.236 $\pm$ 0.234 χ^2/NDF : 387092.9/21

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

Right Out: 1053.051 $\pm$ 0.215 χ^2/NDF : 373959.2/26

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

Left: 1560.578 $\pm$ 0.187 χ^2/NDF : 1475743.3/47

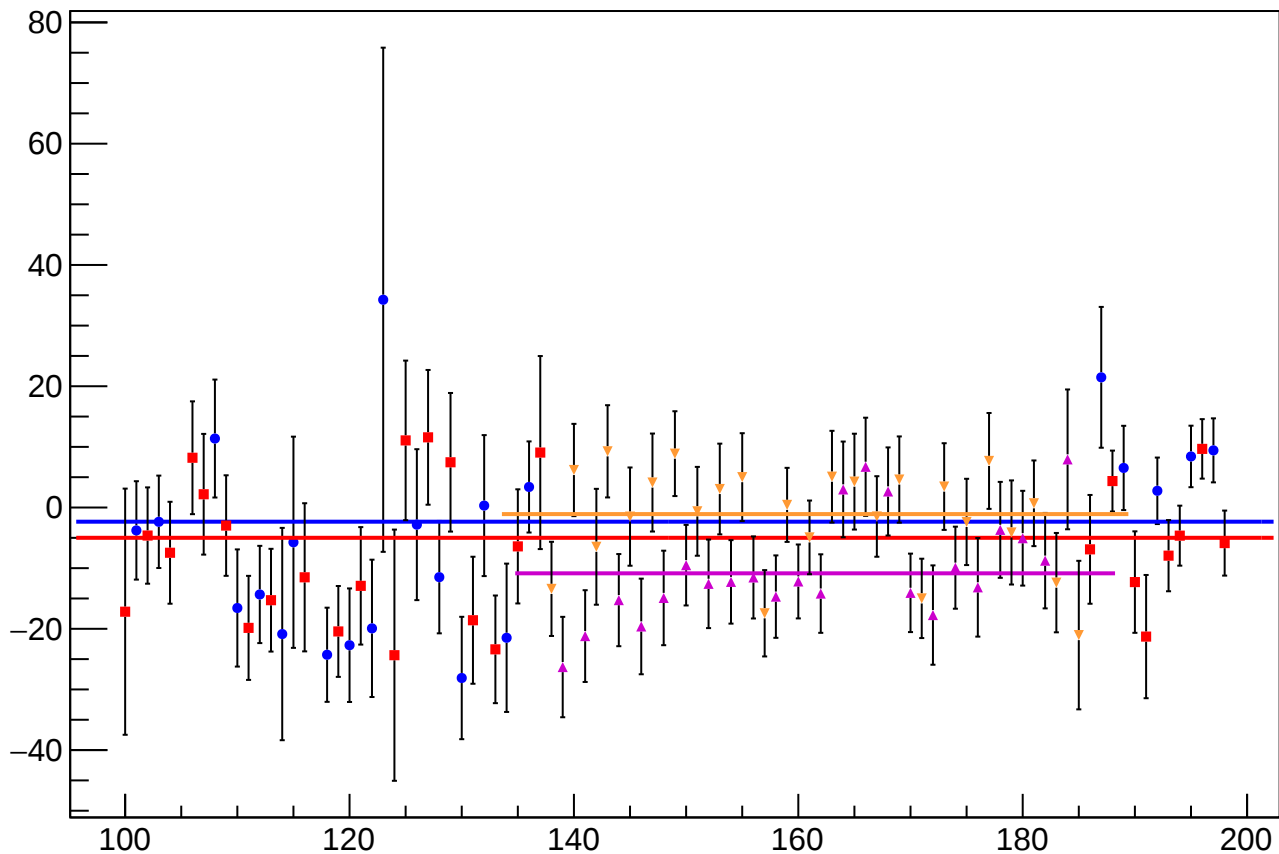
Right: 1041.247 $\pm$ 0.158 χ^2/NDF : 767641.1/48

In: 1262.933 $\pm$ 0.177 χ^2/NDF :3375912.4/44

Out: 1254.813 $\pm$ 0.165 χ^2/NDF :3363042.9/51

All: 1258.589 $\pm$ 0.121 χ^2/NDF : 6740079.2/96

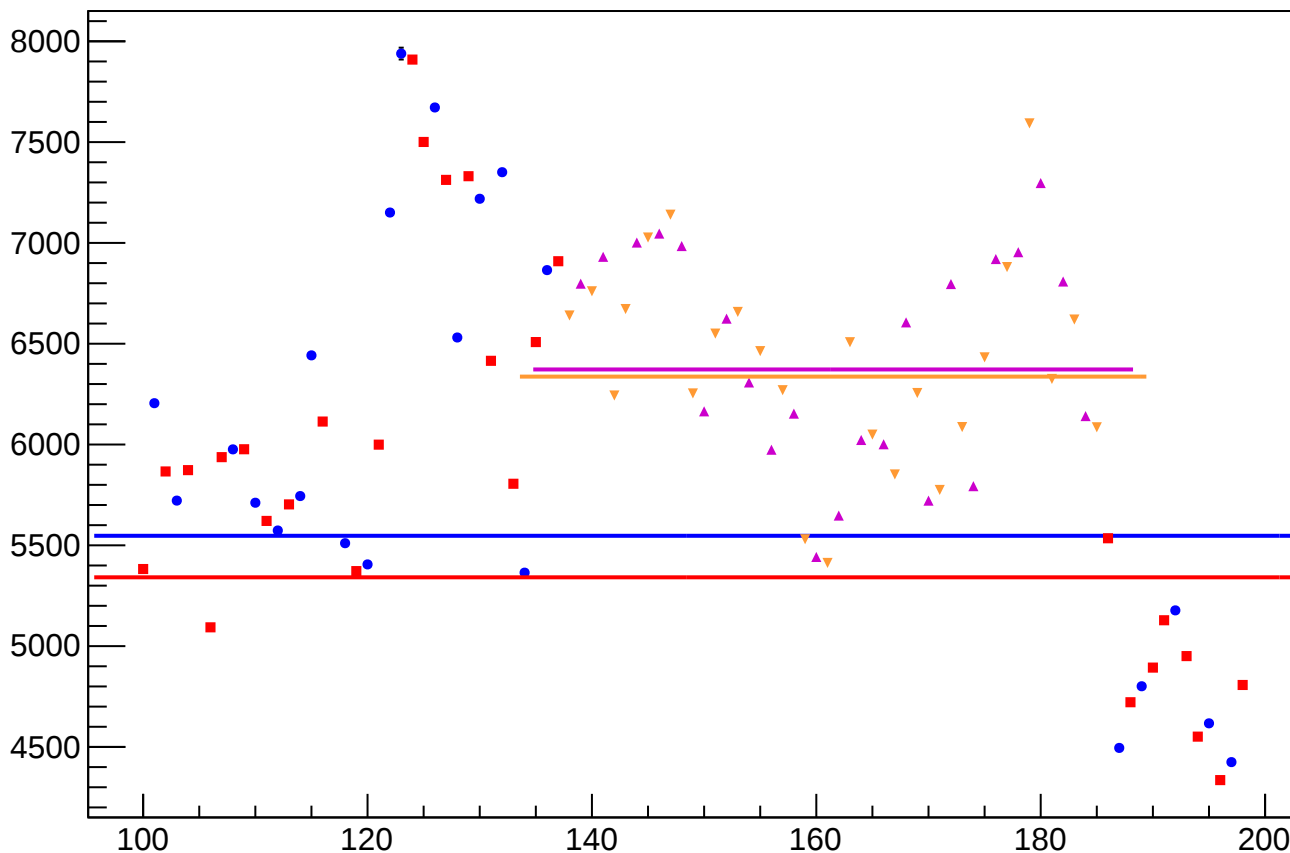
diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -2.337 ± 1.802 $\chi^2/\text{NDF}: 50.2/21$
Left Out: -1.083 ± 1.487 $\chi^2/\text{NDF}: 27.5/24$
Right Out: -4.993 ± 1.553 $\chi^2/\text{NDF}: 41.3/26$
Left In: -10.851 ± 1.542 $\chi^2/\text{NDF}: 24.4/22$

Left: -5.792 ± 1.070 $\chi^2/\text{NDF}: 72.7/47$
Right: -3.860 ± 1.176 $\chi^2/\text{NDF}: 92.8/48$
In: -7.252 ± 1.171 $\chi^2/\text{NDF}: 87.5/44$
Out: -2.953 ± 1.074 $\chi^2/\text{NDF}: 72.2/51$
All: -4.917 ± 0.792 $\chi^2/\text{NDF}: 167.0/96$

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 5547.305 $\pm$ 1.274 χ^2/NDF : 523600.2/21

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

Right Out: 5341.325 $\pm$ 1.098 χ^2/NDF : 546775.4/26

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

Left: 6353.974 $\pm$ 0.757 χ^2/NDF : 470718.0/47

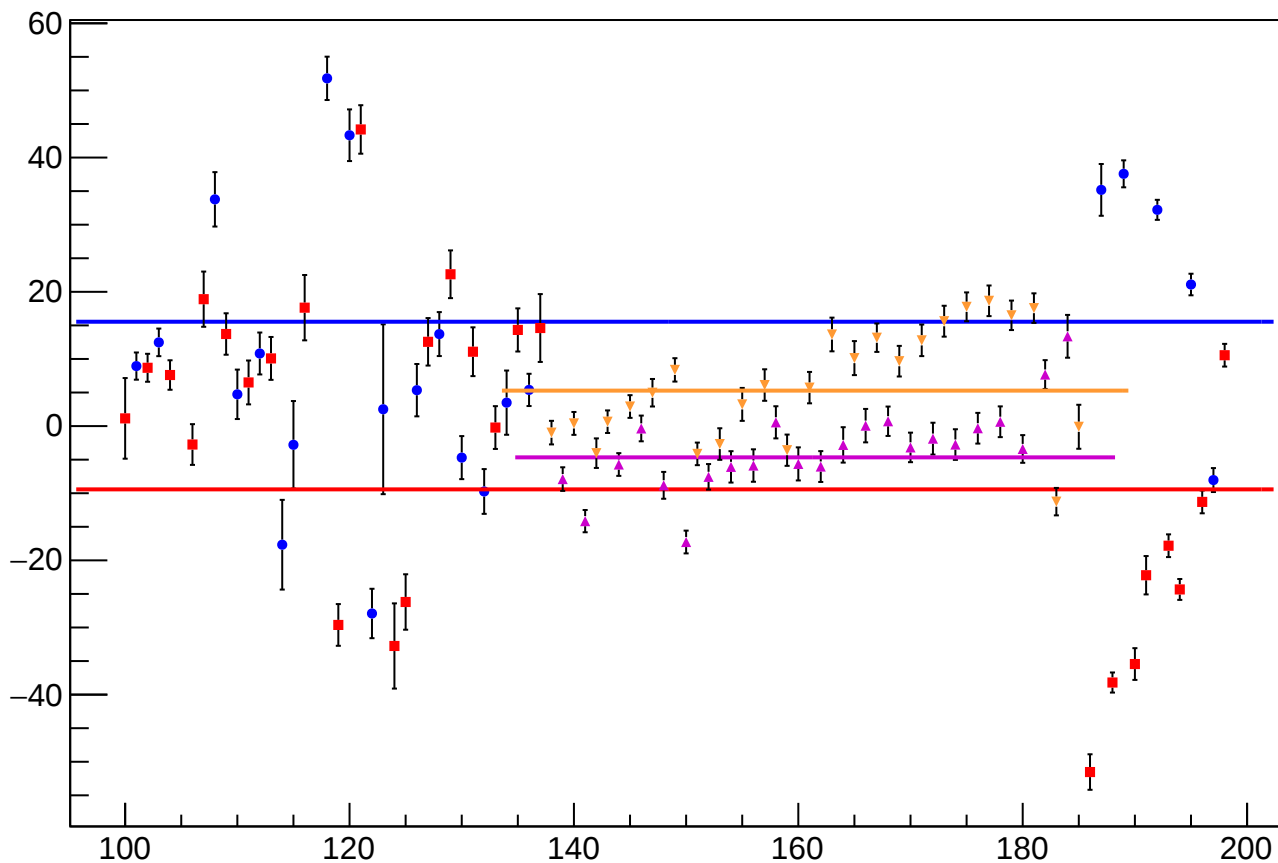
Right: 5429.144 $\pm$ 0.832 χ^2/NDF : 1085372.3/48

In: 6023.603 $\pm$ 0.828 χ^2/NDF : 1012989.7/44

Out: 5860.713 $\pm$ 0.760 χ^2/NDF : 1198372.1/51

All: 5935.122 $\pm$ 0.560 χ^2/NDF : 2232371.0/96

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 15.546 ± 0.574 χ^2/NDF : 981.8/21

Left Out: 5.284 ± 0.421 χ^2/NDF : 366.1/24

Right Out: -9.426 ± 0.497 χ^2/NDF : 1890.6/26

Left In: -4.657 ± 0.443 χ^2/NDF : 196.5/22

Left: 0.574 ± 0.305 χ^2/NDF : 827.2/47

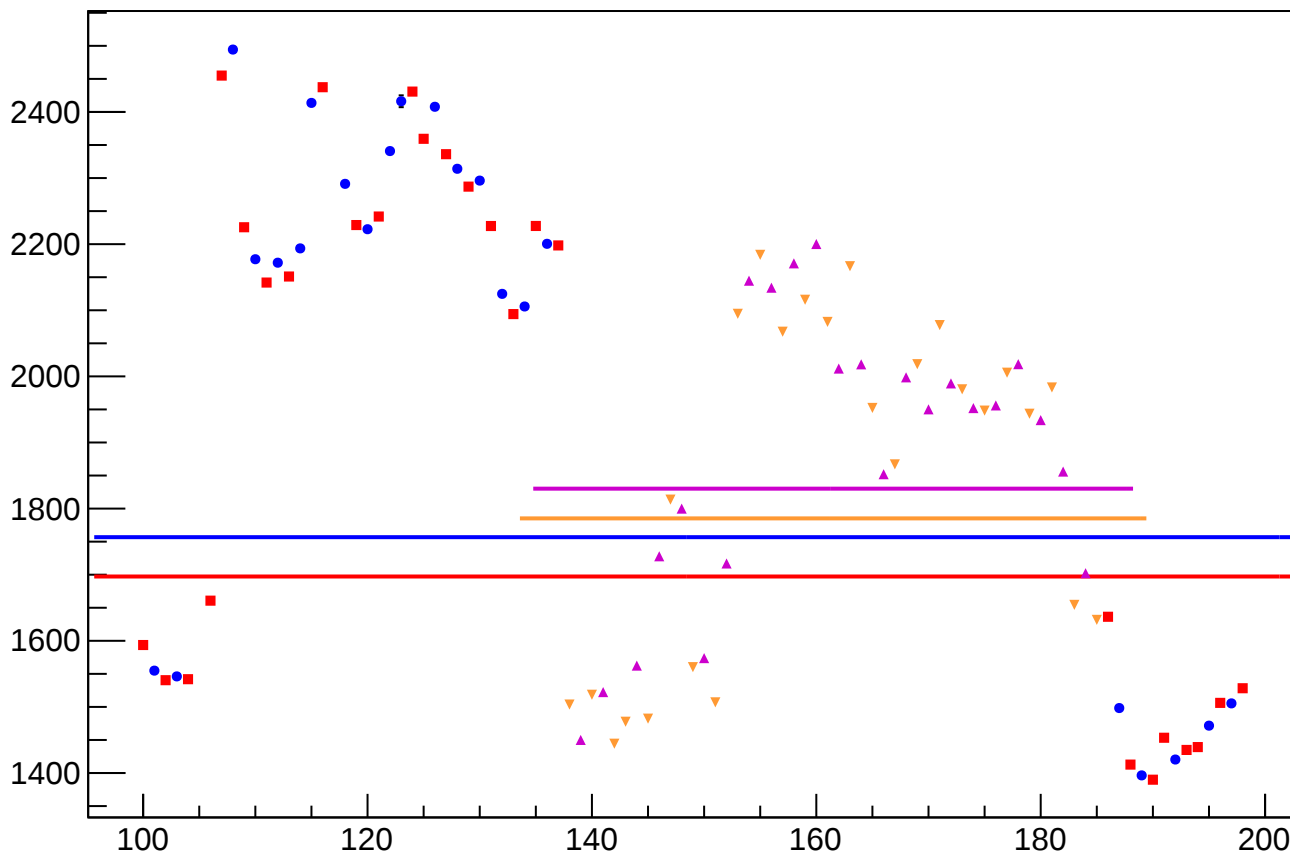
Right: 1.267 ± 0.376 χ^2/NDF : 3955.0/48

In: 2.893 ± 0.351 χ^2/NDF : 1954.4/44

Out: -0.861 ± 0.321 χ^2/NDF : 2767.5/51

All: 0.850 ± 0.237 χ^2/NDF : 4784.3/96

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 1756.772 ± 0.406 $\chi^2/\text{NDF}: 888596.3/21$

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

Right Out: 1697.276 ± 0.351 $\chi^2/\text{NDF}: 992597.5/26$

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

Left: 1806.491 ± 0.216 $\chi^2/\text{NDF}: 1269853.4/47$

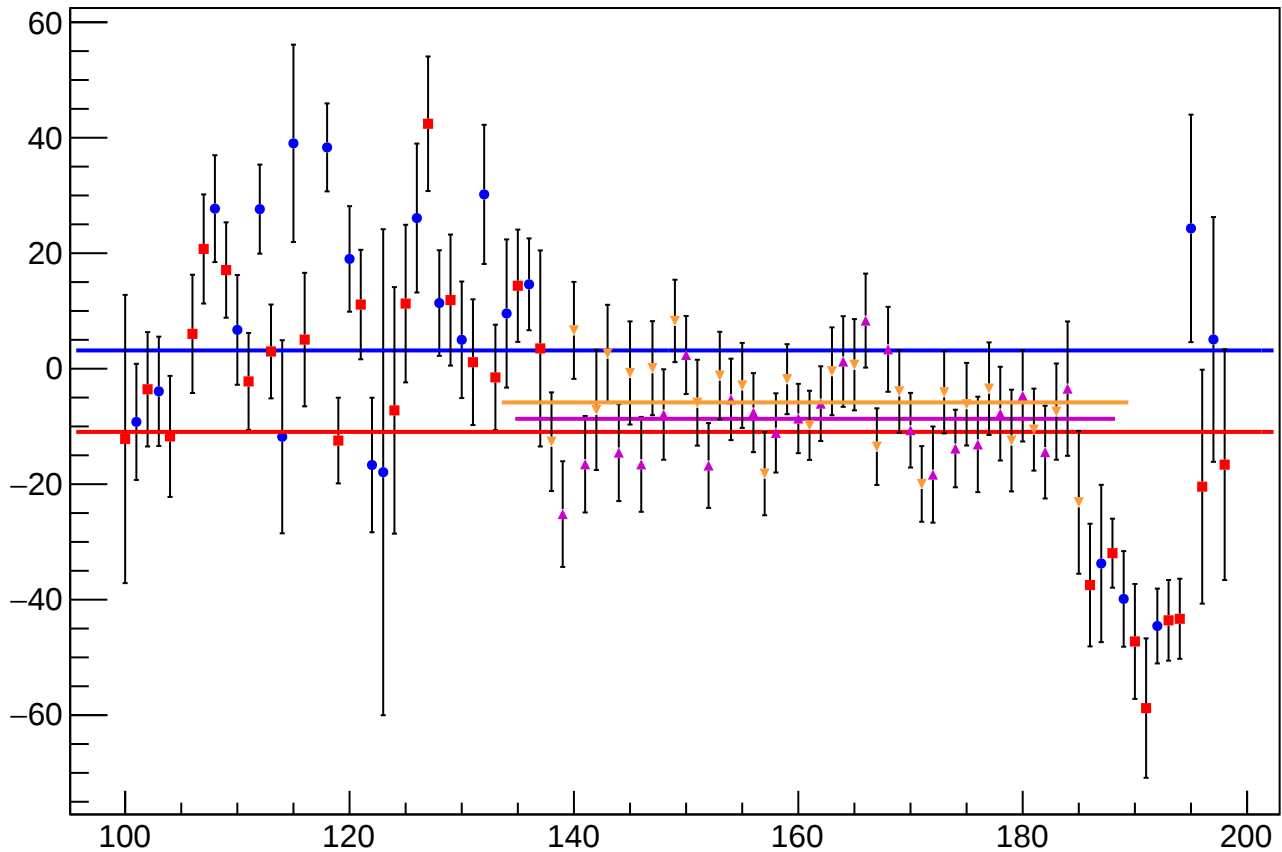
Right: 1722.753 ± 0.266 $\chi^2/\text{NDF}: 1893485.0/48$

In: 1802.732 ± 0.248 $\chi^2/\text{NDF}: 1417471.1/44$

Out: 1748.455 ± 0.227 $\chi^2/\text{NDF}: 1779706.9/51$

All: 1773.187 ± 0.167 $\chi^2/\text{NDF}: 3223233.3/96$

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 3.160 ± 2.183 χ^2/NDF : 153.1/21

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

Right Out: -10.948 ± 1.891 χ^2/NDF : 166.5/26

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

Left: -7.214 ± 1.092 χ^2/NDF : 47.0/47

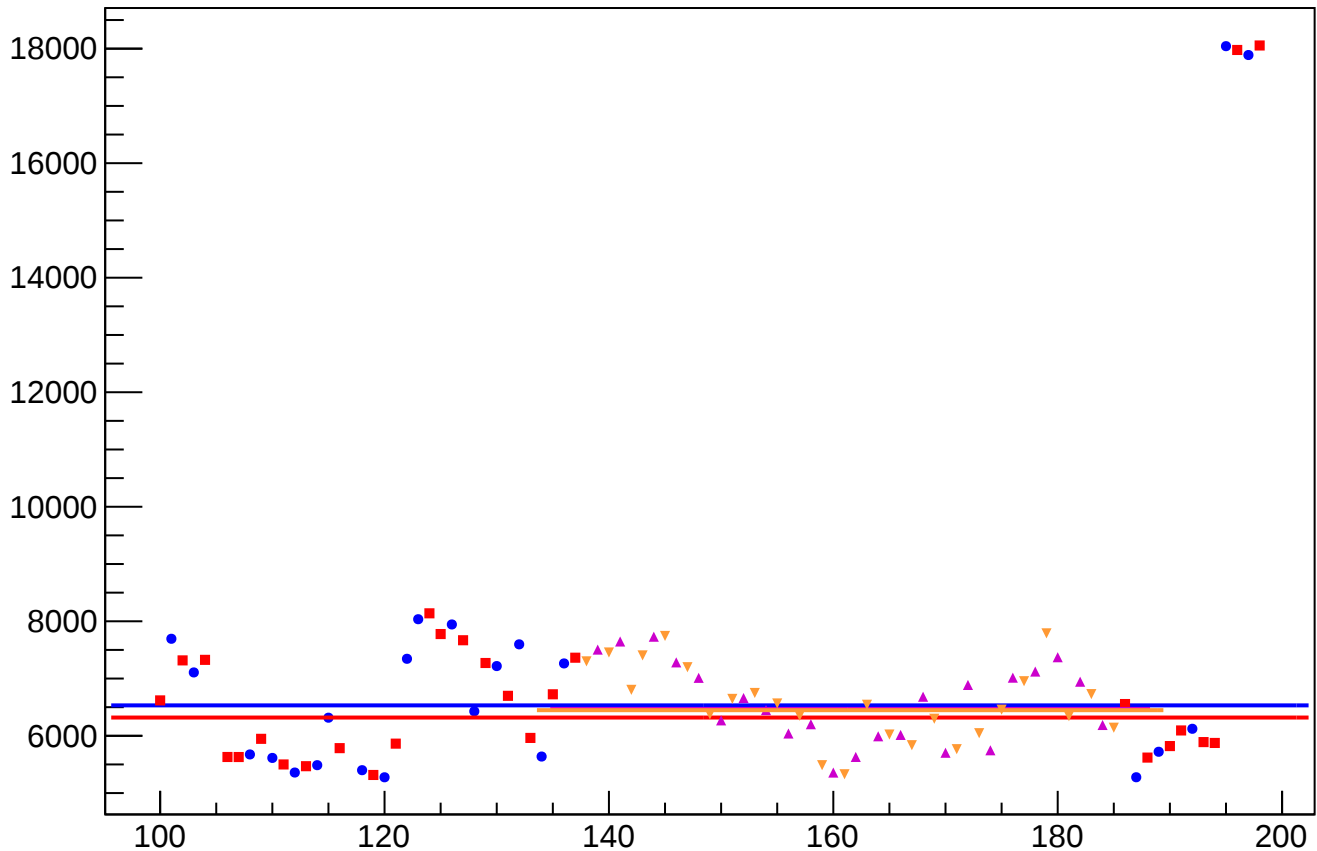
Right: -4.899 ± 1.429 χ^2/NDF : 343.4/48

In: -4.643 ± 1.275 χ^2/NDF : 194.4/44

Out: -7.842 ± 1.184 χ^2/NDF : 194.2/51

All: -6.361 ± 0.868 χ^2/NDF : 392.0/96

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6531.423 ± 1.543 $\chi^2/\text{NDF}: 1595705.7/21$

Left Out: 6447.712 ± 1.074 $\chi^2/\text{NDF}: 371671.1/24$

Right Out: 6319.011 ± 1.337 $\chi^2/\text{NDF}: 1646162.2/26$

Left In: 6468.902 ± 1.111 $\chi^2/\text{NDF}: 383325.4/22$

Left: 6457.948 ± 0.772 $\chi^2/\text{NDF}: 755184.7/47$

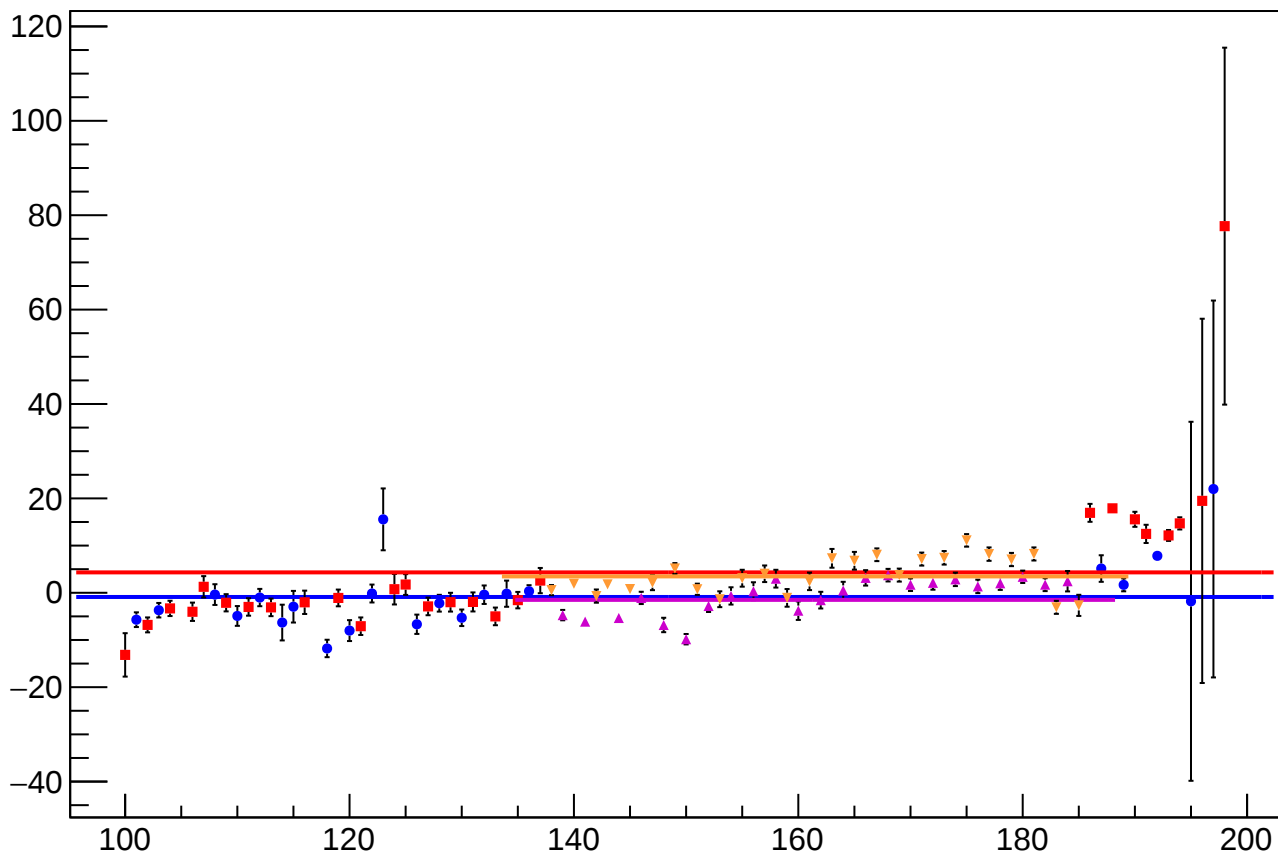
Right: 6410.087 ± 1.011 $\chi^2/\text{NDF}: 3252688.2/48$

In: 6490.231 ± 0.901 $\chi^2/\text{NDF}: 1980112.3/44$

Out: 6397.264 ± 0.837 $\chi^2/\text{NDF}: 2023466.3/51$

All: 6440.314 ± 0.613 $\chi^2/\text{NDF}: 4009289.5/96$

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -0.888 ± 0.406 χ^2/NDF : 171.6/21

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

Right Out: 4.322 ± 0.355 χ^2/NDF : 666.0/26

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

Left: 1.109 ± 0.200 χ^2/NDF : 532.4/47

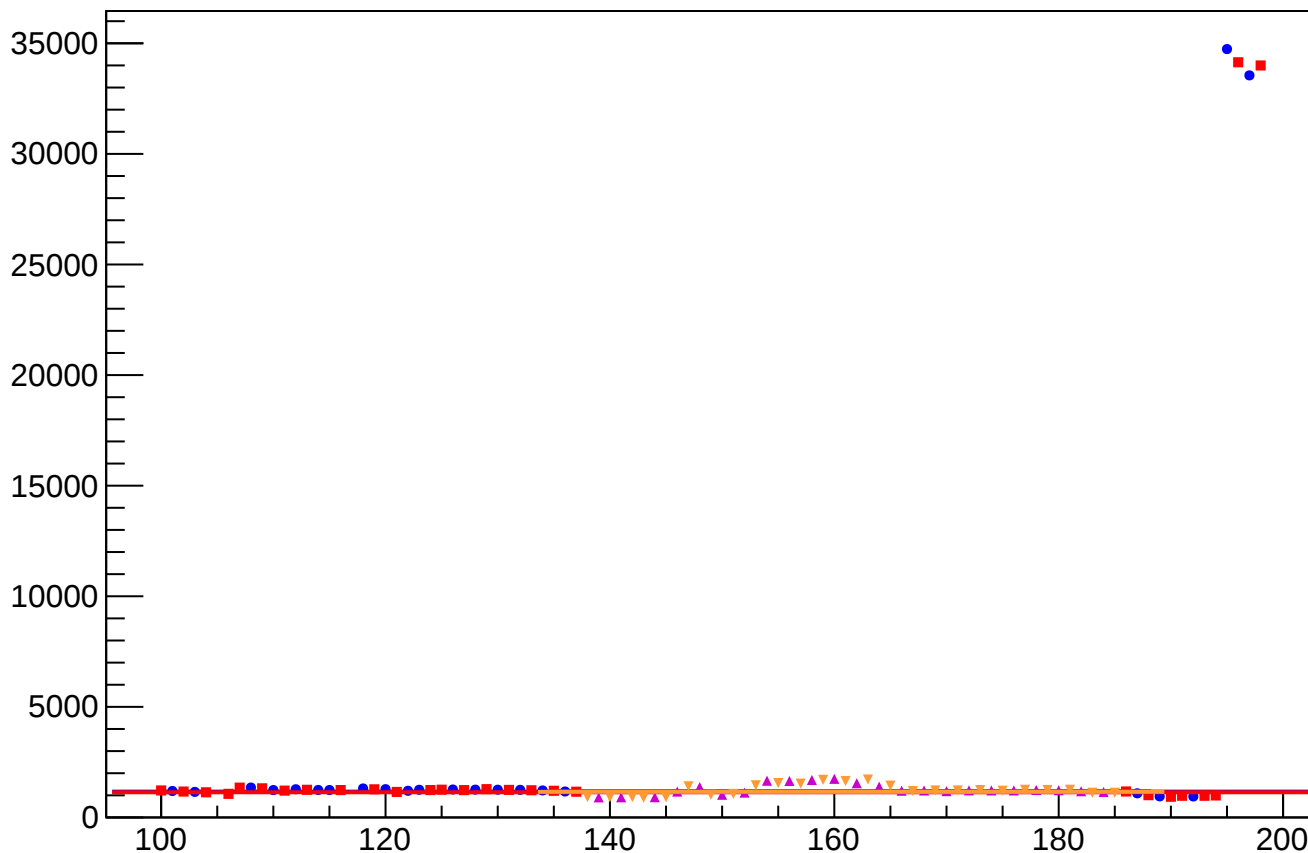
Right: 2.066 ± 0.267 χ^2/NDF : 931.1/48

In: -1.294 ± 0.236 χ^2/NDF : 375.9/44

Out: 3.792 ± 0.218 χ^2/NDF : 845.5/51

All: 1.454 ± 0.160 χ^2/NDF : 1471.7/96

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1166.196+/-0.287 χ^2/NDF : 3083545.5/21

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

Right Out: 1138.183+/-0.251 χ^2/NDF : 3214522.0/26

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

Left: 1171.274+/-0.142 χ^2/NDF : 2609306.9/47

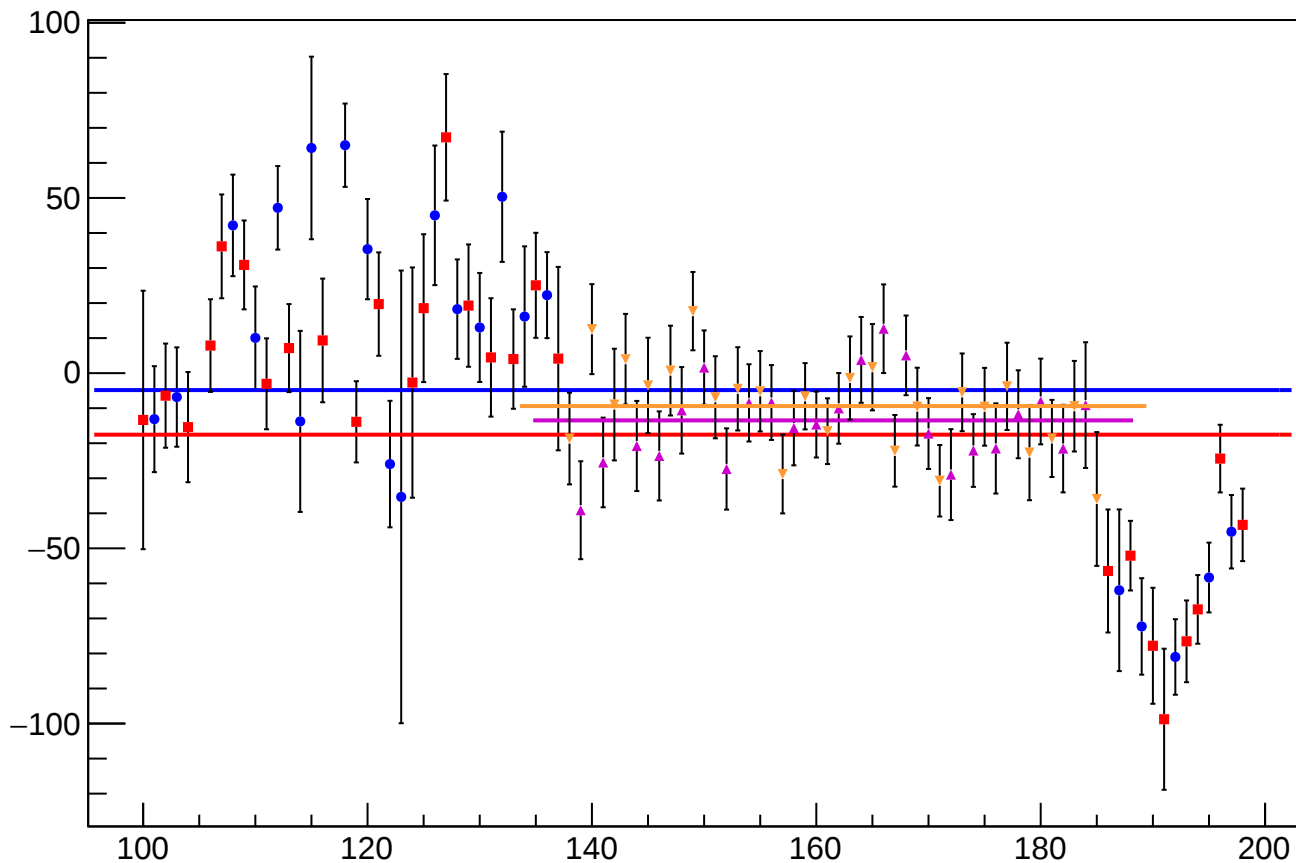
Right: 1150.314+/-0.189 χ^2/NDF : 6303472.2/48

In: 1178.601+/-0.167 χ^2/NDF : 4276805.9/44

Out: 1151.068+/-0.154 χ^2/NDF : 4629189.9/51

All: 1163.727+/-0.113 χ^2/NDF : 8920666.8/96

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -4.837 ± 3.121 χ^2/NDF : 231.0/21

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

Right Out: -17.559 ± 2.726 χ^2/NDF : 193.1/26

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

Left: -11.369 ± 1.697 χ^2/NDF : 49.3/47

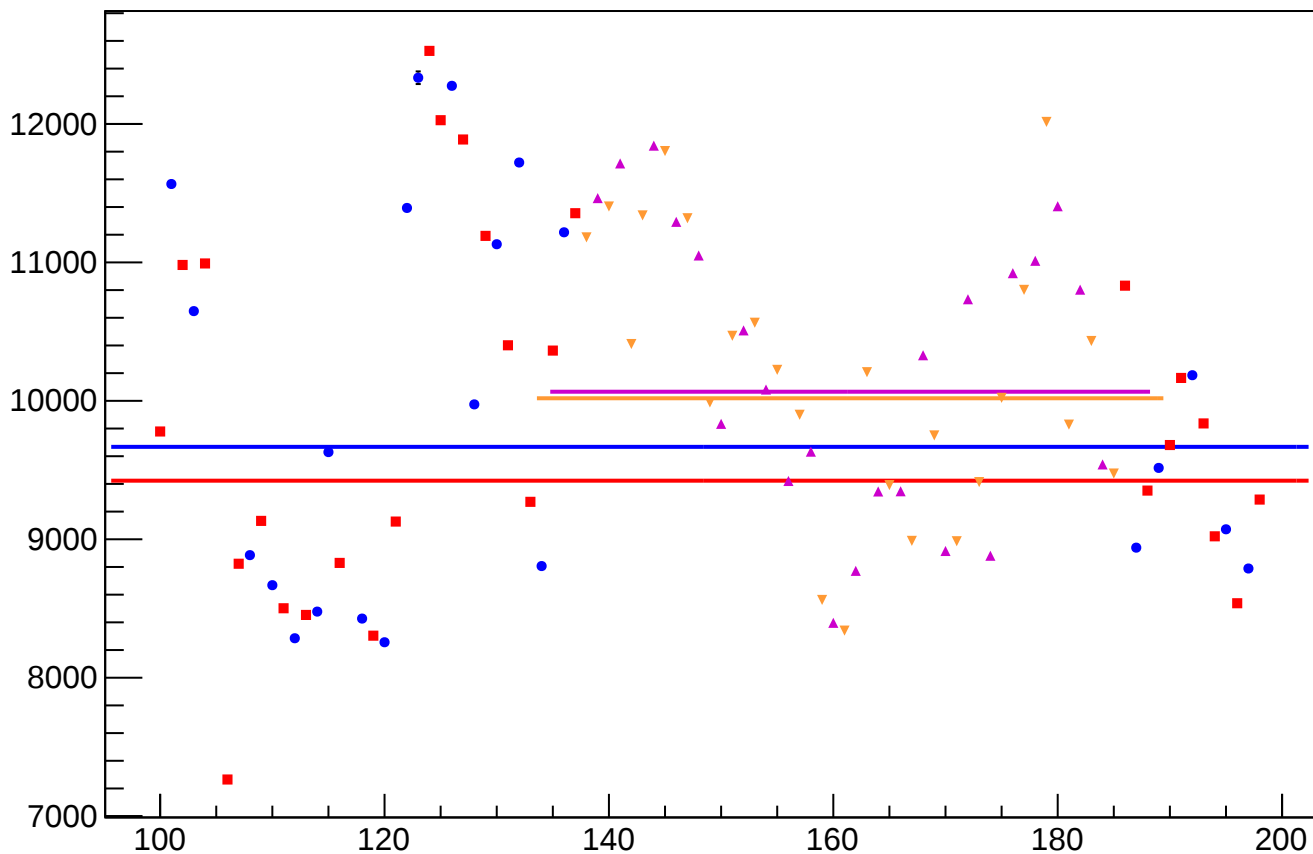
Right: -12.055 ± 2.053 χ^2/NDF : 433.5/48

In: -10.200 ± 1.924 χ^2/NDF : 257.3/44

Out: -12.891 ± 1.784 χ^2/NDF : 224.5/51

All: -11.647 ± 1.308 χ^2/NDF : 482.9/96

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9667.690 ± 2.207 $\chi^2/\text{NDF}: 291238.5/21$

Left Out: 10018.563 ± 1.668 $\chi^2/\text{NDF}: 344534.6/24$

Right Out: 9423.329 ± 1.928 $\chi^2/\text{NDF}: 314543.3/26$

Left In: 10065.909 ± 1.727 $\chi^2/\text{NDF}: 357868.9/22$

Left: 10041.404 ± 1.200 $\chi^2/\text{NDF}: 702792.3/47$

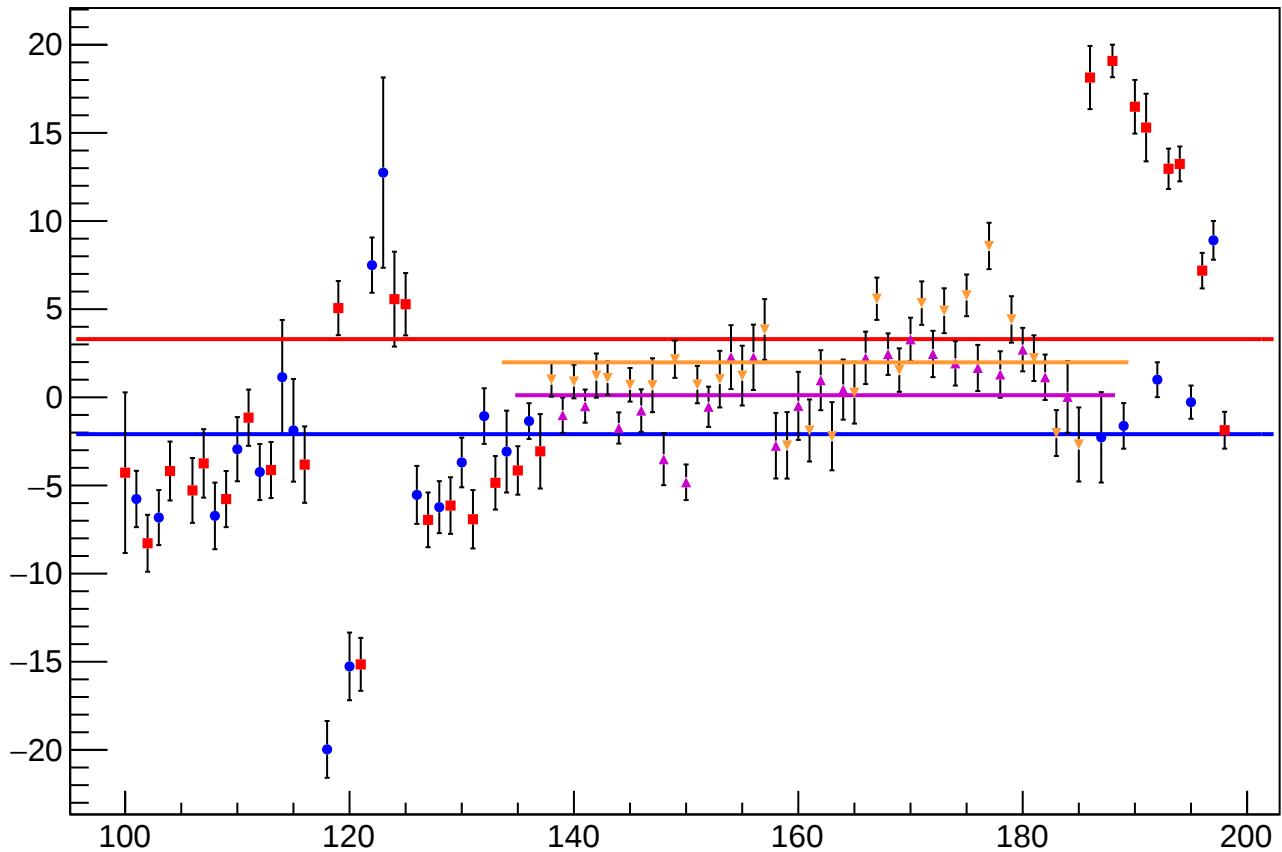
Right: 9529.057 ± 1.452 $\chi^2/\text{NDF}: 612735.4/48$

In: 9914.658 ± 1.360 $\chi^2/\text{NDF}: 669294.2/44$

Out: 9763.745 ± 1.261 $\chi^2/\text{NDF}: 713613.9/51$

All: 9833.504 ± 0.925 $\chi^2/\text{NDF}: 1389526.7/96$

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -2.089 ± 0.321 χ^2/NDF : 367.0/21

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

Right Out: 3.302 ± 0.285 χ^2/NDF : 1205.5/26

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

Left: 1.102 ± 0.185 χ^2/NDF : 194.2/47

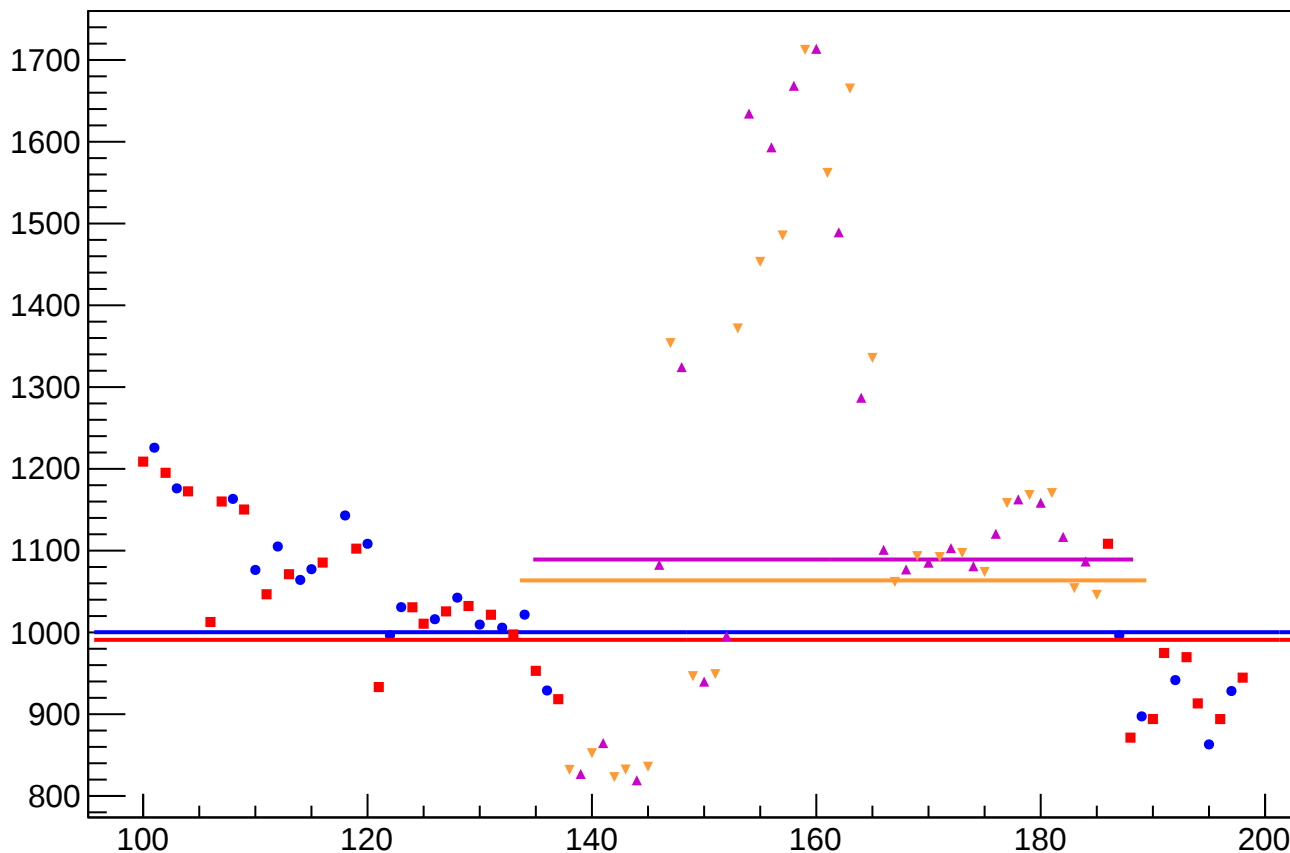
Right: 0.924 ± 0.213 χ^2/NDF : 1730.2/48

In: -0.790 ± 0.206 χ^2/NDF : 462.4/44

Out: 2.570 ± 0.190 χ^2/NDF : 1318.6/51

All: 1.025 ± 0.140 χ^2/NDF : 1924.7/96

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1000.274 ± 0.227 $\chi^2/\text{NDF}: 199280.4/21$

Left Out: 1063.600 ± 0.180 $\chi^2/\text{NDF}: 1617376.3/24$

Right Out: 990.922 ± 0.202 $\chi^2/\text{NDF}: 213812.3/26$

Left In: 1089.154 ± 0.190 $\chi^2/\text{NDF}: 1430478.5/22$

Left: 1075.700 ± 0.131 $\chi^2/\text{NDF}: 3057378.7/47$

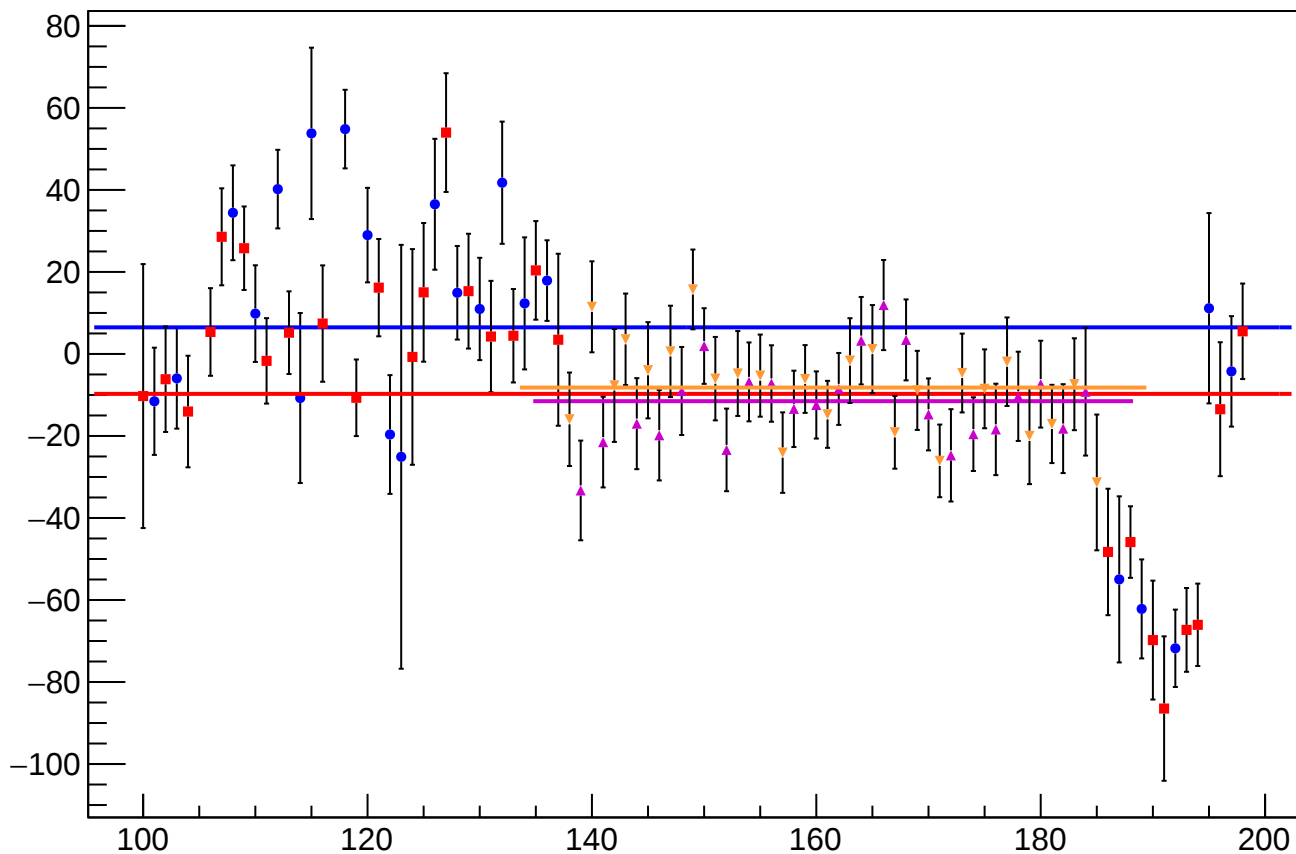
Right: 995.048 ± 0.151 $\chi^2/\text{NDF}: 414041.5/48$

In: 1052.532 ± 0.146 $\chi^2/\text{NDF}: 1719930.8/44$

Out: 1031.338 ± 0.134 $\chi^2/\text{NDF}: 1903415.0/51$

All: 1041.079 ± 0.099 $\chi^2/\text{NDF}: 3634782.1/96$

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 6.487 $\pm$ 2.764 χ^2/NDF : 182.3/21

Left Out: -8.195 $\pm$ 2.049 χ^2/NDF :26.2/24

Right Out: -9.737 $\pm$ 2.400 χ^2/NDF : 192.4/26

Left In: -11.515 $\pm$ 2.122 χ^2/NDF :21.0/22

Left: -9.796 $\pm$ 1.474 χ^2/NDF : 48.5/47

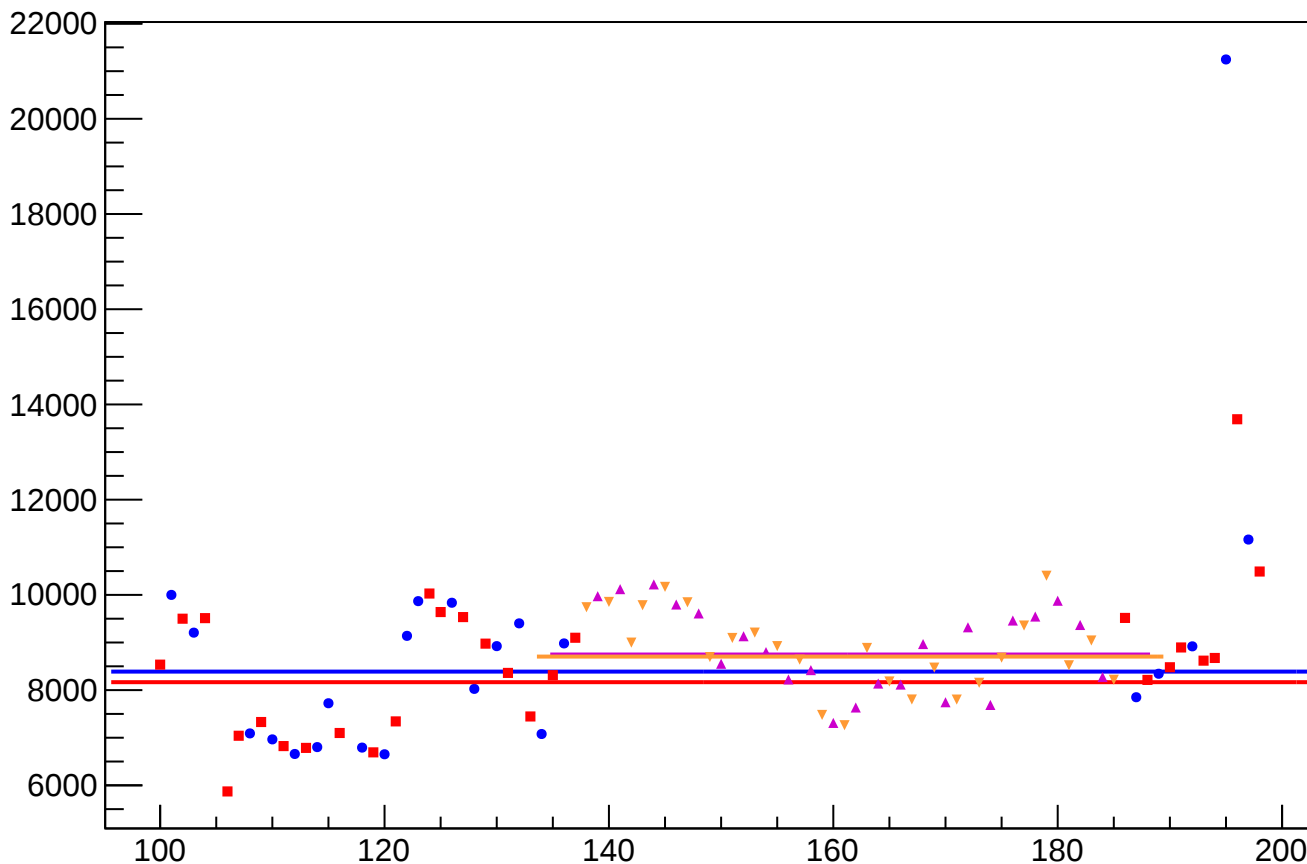
Right: -2.763 $\pm$ 1.812 χ^2/NDF : 394.4/48

In: -4.838 $\pm$ 1.683 χ^2/NDF :230.0/44

Out: -8.845 $\pm$ 1.558 χ^2/NDF :218.8/51

All: -6.996 $\pm$ 1.143 χ^2/NDF : 451.9/96

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 8388.798 $\pm$ 1.954 χ^2/NDF : 1038872.4/21

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

Right Out: 8166.526 $\pm$ 1.697 χ^2/NDF : 706134.5/26

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

Left: 8725.041 $\pm$ 1.042 χ^2/NDF : 679904.0/47

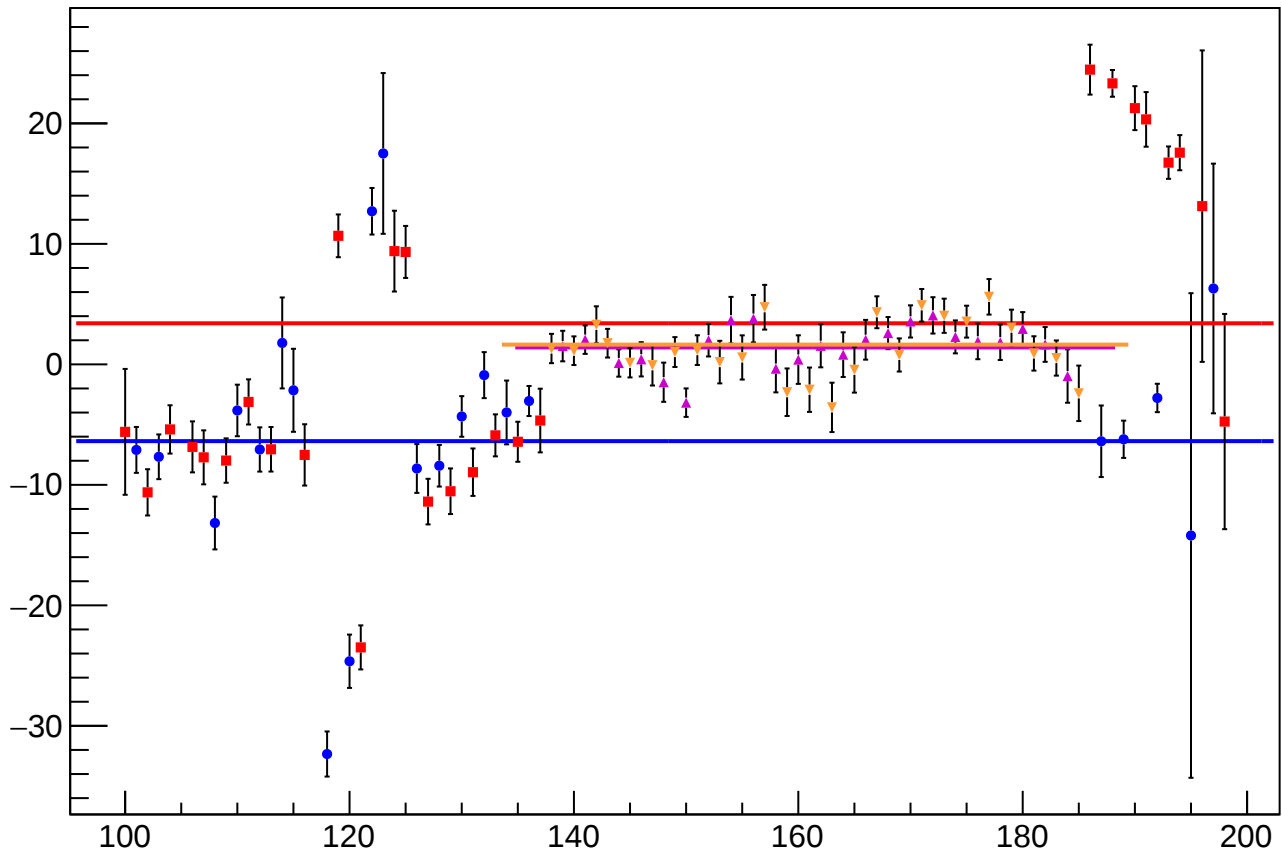
Right: 8262.069 $\pm$ 1.281 χ^2/NDF : 1752381.5/48

In: 8614.395 $\pm$ 1.190 χ^2/NDF : 1407163.7/44

Out: 8477.547 $\pm$ 1.102 χ^2/NDF : 1096569.4/51

All: 8540.694 $\pm$ 0.809 χ^2/NDF : 2510851.9/96

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -6.371 ± 0.427 $\chi^2/\text{NDF}: 420.0/21$

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

Right Out: 3.410 ± 0.374 $\chi^2/\text{NDF}: 1467.3/26$

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

Left: 1.528 ± 0.213 $\chi^2/\text{NDF}: 85.8/47$

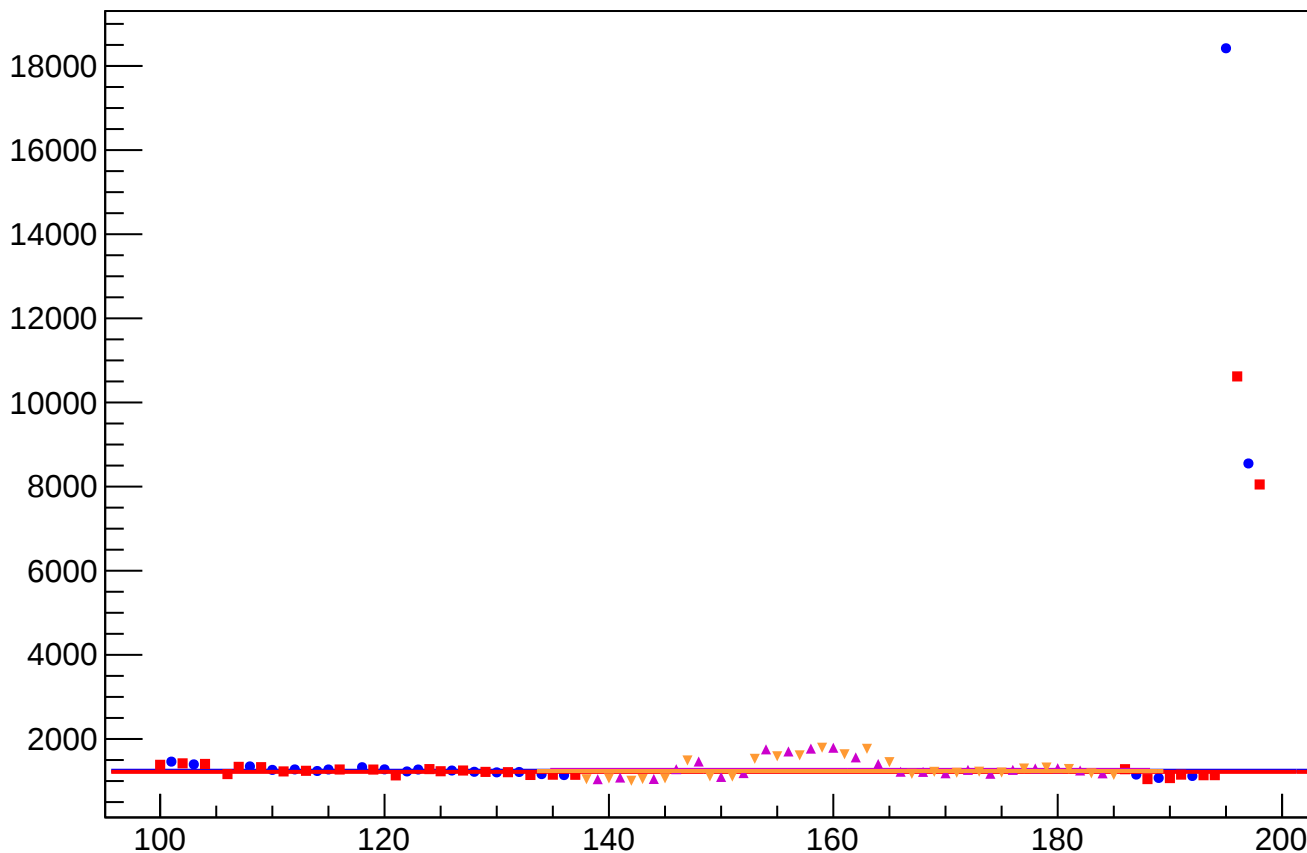
Right: -0.831 ± 0.281 $\chi^2/\text{NDF}: 2184.2/48$

In: -1.266 ± 0.250 $\chi^2/\text{NDF}: 671.6/44$

Out: 2.315 ± 0.231 $\chi^2/\text{NDF}: 1532.5/51$

All: 0.669 ± 0.170 $\chi^2/\text{NDF}: 2314.7/96$

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1245.145 $\pm$ 0.302 χ^2 /NDF: 2568221.9/21

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

Right Out: 1218.405 $\pm$ 0.264 χ^2 /NDF: 2379032.6/26

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

Left: 1251.361 $\pm$ 0.151 χ^2 /NDF: 1818496.6/47

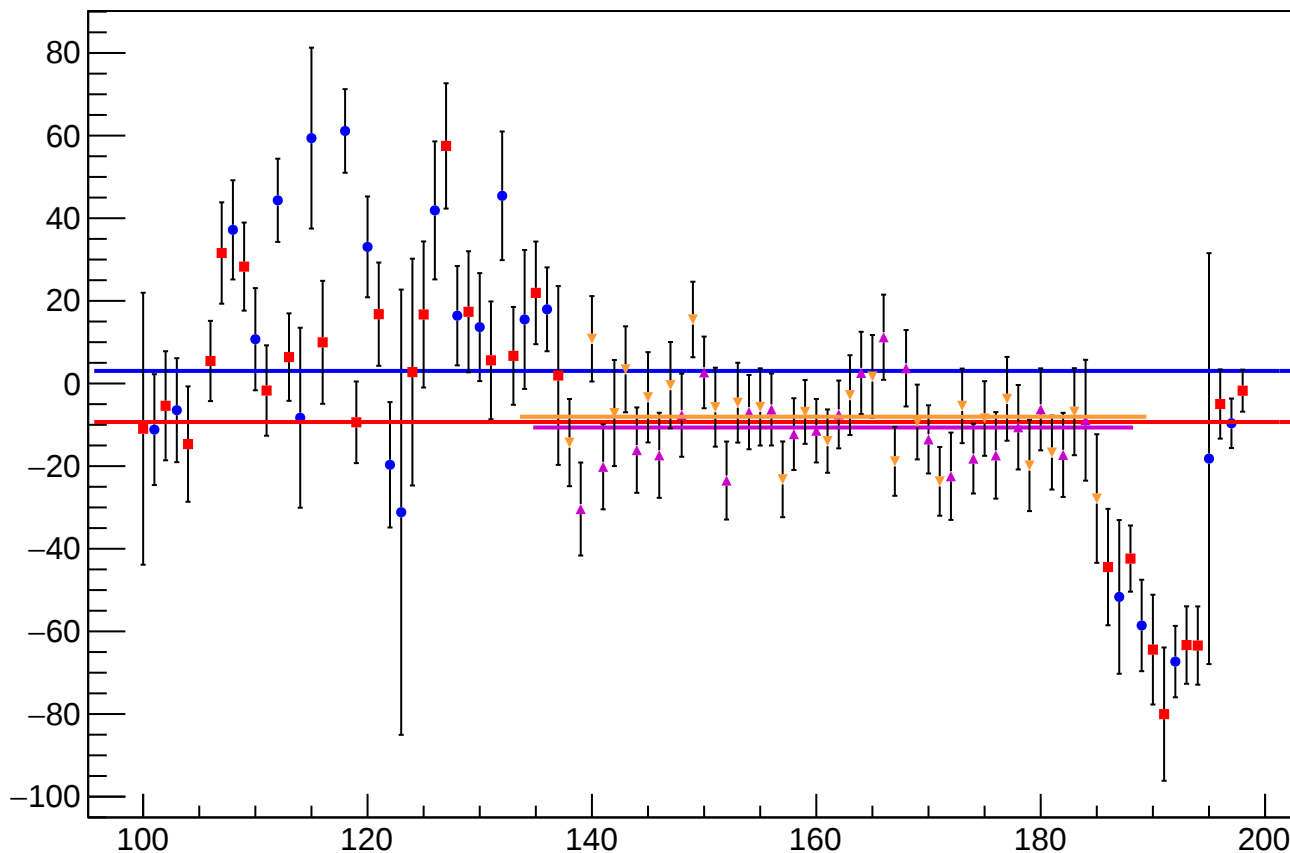
Right: 1229.998 $\pm$ 0.199 χ^2 /NDF: 4951693.4/48

In: 1258.623 $\pm$ 0.177 χ^2 /NDF: 3416411.0/44

Out: 1230.792 $\pm$ 0.163 χ^2 /NDF: 3347758.6/51

All: 1243.583 $\pm$ 0.120 χ^2 /NDF: 6777525.8/96

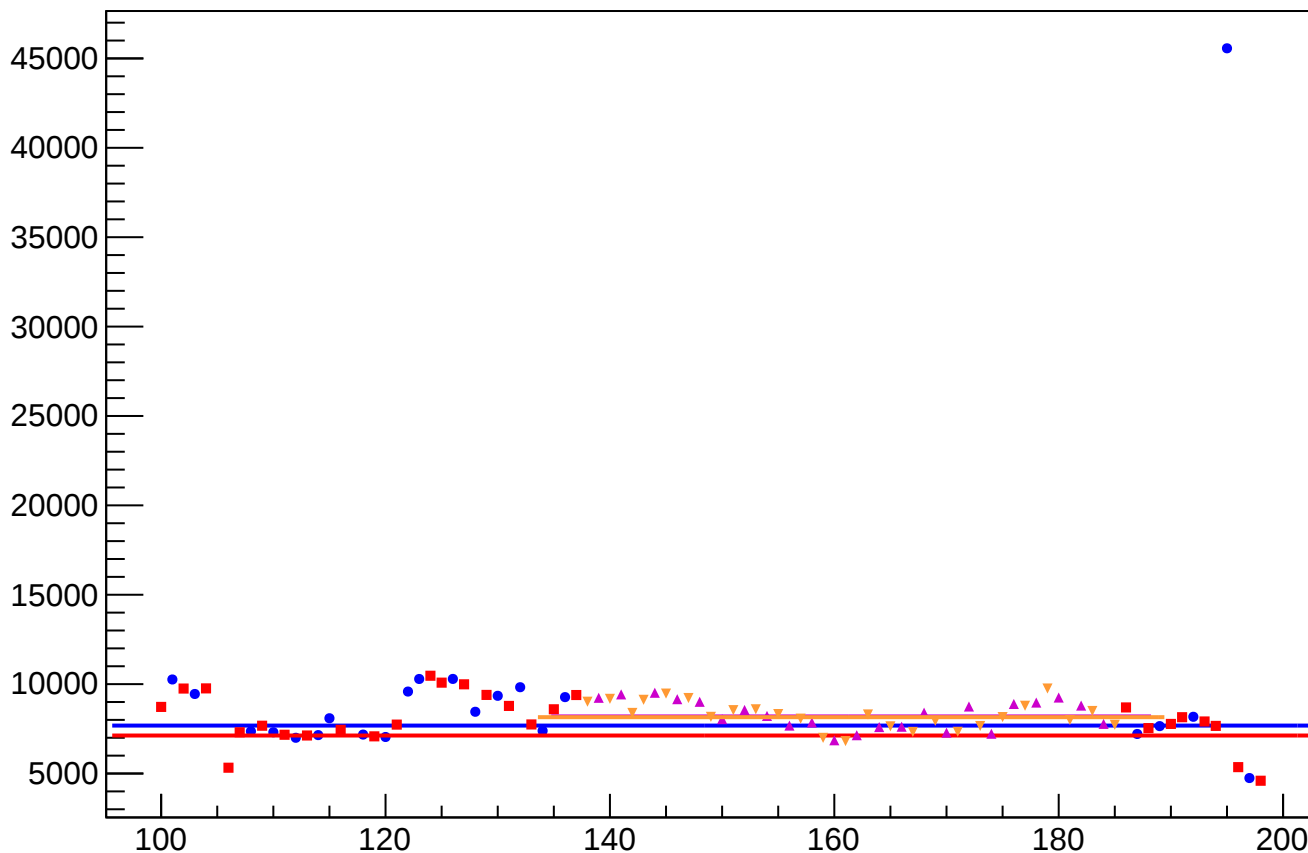
diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 3.045 $\pm$ 2.608 χ^2/NDF : 203.4/21
 Left Out: -8.042 $\pm$ 1.918 χ^2/NDF : 26.3/24
 Right Out: -9.318 $\pm$ 2.151 χ^2/NDF : 197.4/26
 Left In: -10.653 $\pm$ 1.988 χ^2/NDF : 21.4/22

Left: -9.301 $\pm$ 1.380 χ^2/NDF : 48.6/47
 Right: -4.312 $\pm$ 1.660 χ^2/NDF : 414.2/48
 In: -5.620 $\pm$ 1.581 χ^2/NDF : 242.3/44
 Out: -8.608 $\pm$ 1.432 χ^2/NDF : 223.9/51
 All: -7.261 $\pm$ 1.061 χ^2/NDF : 468.1/96

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 7681.688+/-1.844 χ^2/NDF : 2000564.3/21

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

Right Out: 7125.582+/-1.521 χ^2/NDF : 1170361.9/26

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

Left: 8171.814+/-0.976 χ^2/NDF : 660646.6/47

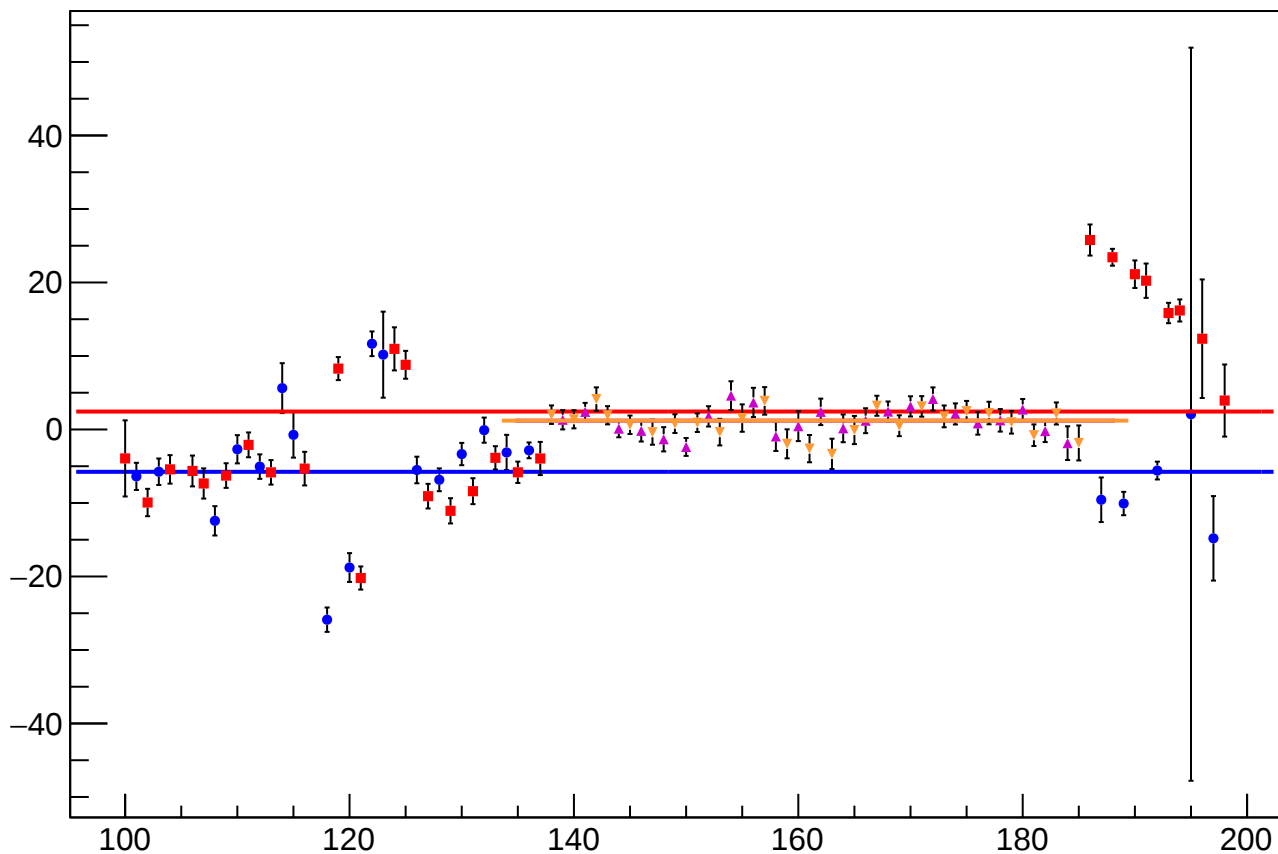
Right: 7350.783+/-1.173 χ^2/NDF : 3225041.7/48

In: 8005.529+/-1.118 χ^2/NDF : 2387696.9/44

Out: 7697.139+/-1.012 χ^2/NDF : 1745539.4/51

All: 7836.111+/-0.750 χ^2/NDF : 4175051.9/96

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.760 $\pm$ 0.394 χ^2/NDF : 368.3/21

Left Out: 1.203 $\pm$ 0.302 χ^2/NDF :29.9/24

Right Out: 2.441 $\pm$ 0.352 χ^2/NDF : 1408.1/26

Left In: 1.198 $\pm$ 0.318 χ^2/NDF :31.2/22

Left: 1.201 $\pm$ 0.219 χ^2/NDF : 61.1/47

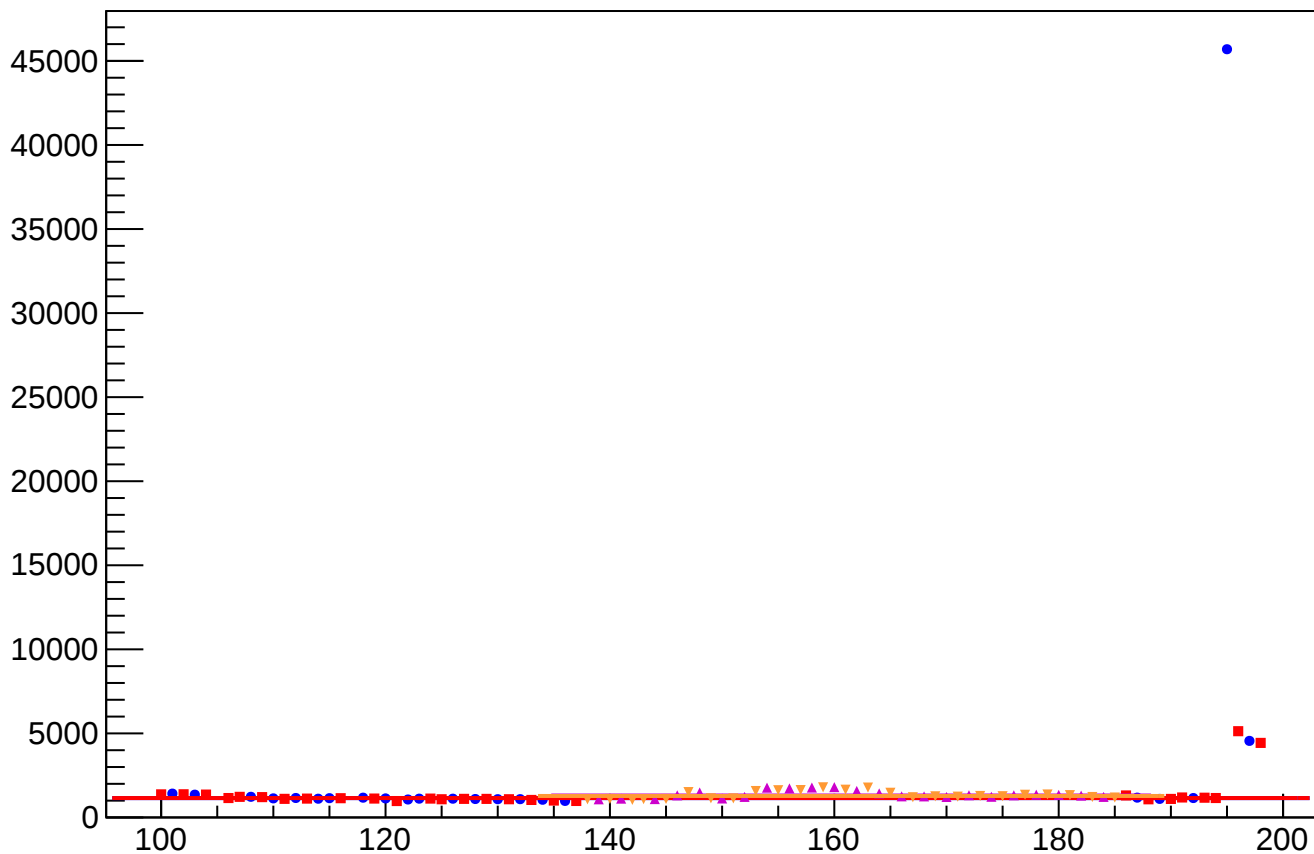
Right: -1.195 $\pm$ 0.262 χ^2/NDF : 2017.3/48

In: -1.547 $\pm$ 0.248 χ^2/NDF :588.1/44

Out: 1.729 $\pm$ 0.229 χ^2/NDF :1445.2/51

All: 0.216 $\pm$ 0.168 χ^2/NDF : 2127.5/96

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1149.763 $\pm$ 0.279 χ^2/NDF : 2436754.0/21

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

Right Out: 1154.092 $\pm$ 0.249 χ^2/NDF : 1543240.4/26

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

Left: 1291.030 $\pm$ 0.155 χ^2/NDF : 1646499.4/47

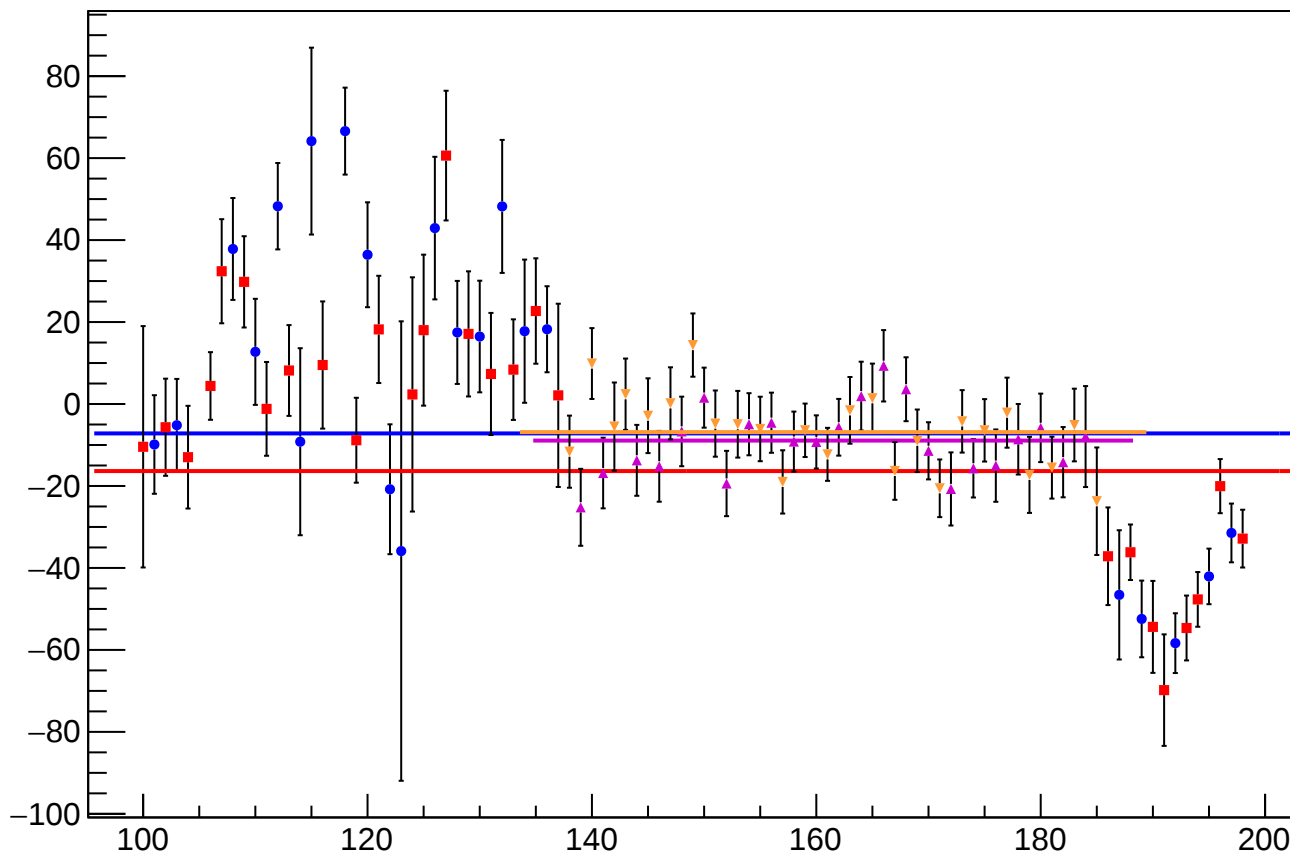
Right: 1152.173 $\pm$ 0.186 χ^2/NDF : 3980128.7/48

In: 1244.095 $\pm$ 0.175 χ^2/NDF : 3386339.6/44

Out: 1225.296 $\pm$ 0.162 χ^2/NDF : 2563830.5/51

All: 1233.978 $\pm$ 0.119 χ^2/NDF : 5956376.0/96

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -7.175 $\pm$ 2.455 χ^2/NDF : 265.5/21

Left Out: -6.854 $\pm$ 1.616 χ^2/NDF : 28.7/24

Right Out: -16.362 $\pm$ 2.067 χ^2/NDF : 194.7/26

Left In: -8.923 $\pm$ 1.674 χ^2/NDF : 21.8/22

Left: -7.852 $\pm$ 1.163 χ^2/NDF : 51.3/47

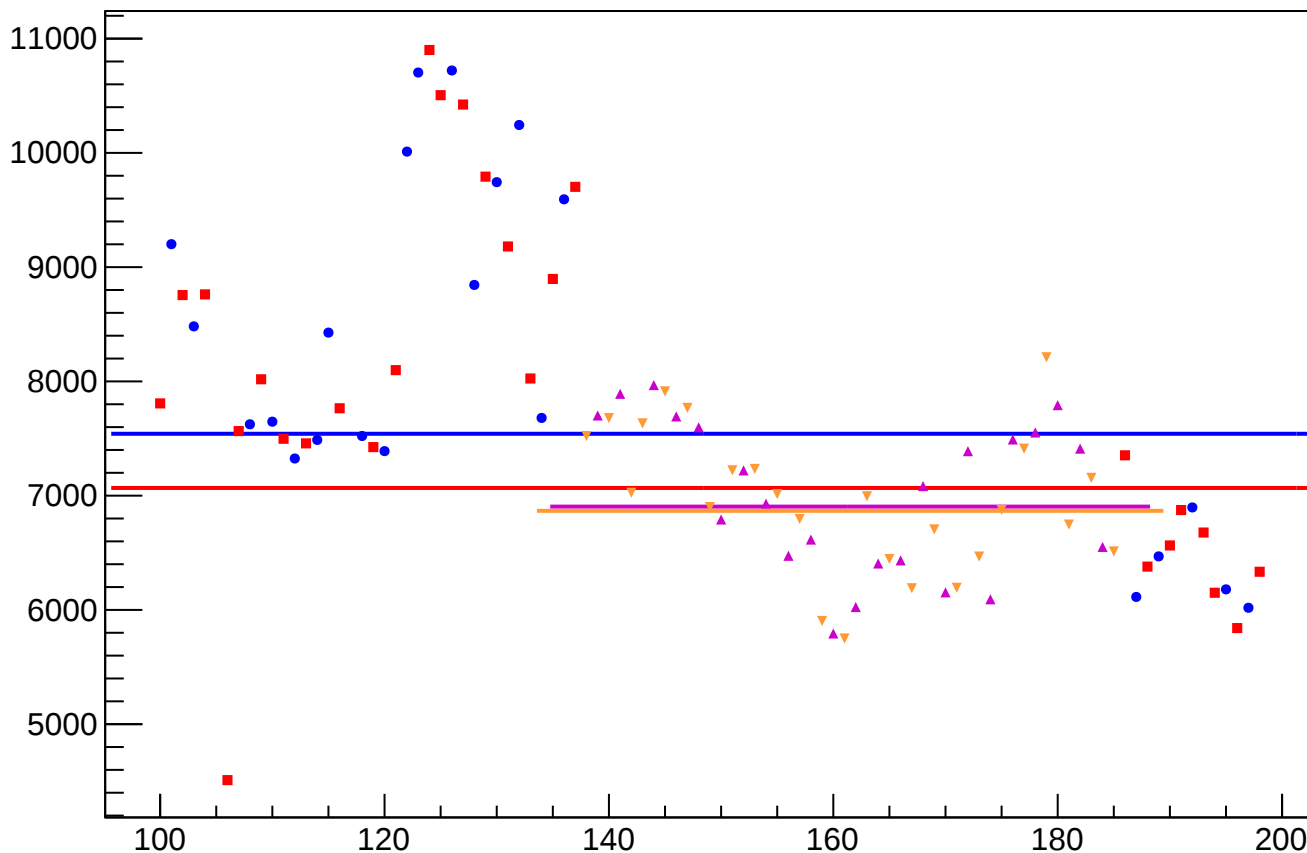
Right: -12.550 $\pm$ 1.581 χ^2/NDF : 468.5/48

In: -8.368 $\pm$ 1.383 χ^2/NDF : 287.7/44

Out: -10.459 $\pm$ 1.273 χ^2/NDF : 236.5/51

All: -9.500 $\pm$ 0.937 χ^2/NDF : 525.5/96

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 7541.674 ± 1.736 $\chi^2/\text{NDF}: 613170.4/21$

Left Out: 6867.371 ± 1.142 $\chi^2/\text{NDF}: 306895.0/24$

Right Out: 7067.377 ± 1.462 $\chi^2/\text{NDF}: 851810.1/26$

Left In: 6904.117 ± 1.184 $\chi^2/\text{NDF}: 325912.6/22$

Left: 6885.088 ± 0.822 $\chi^2/\text{NDF}: 633306.5/47$

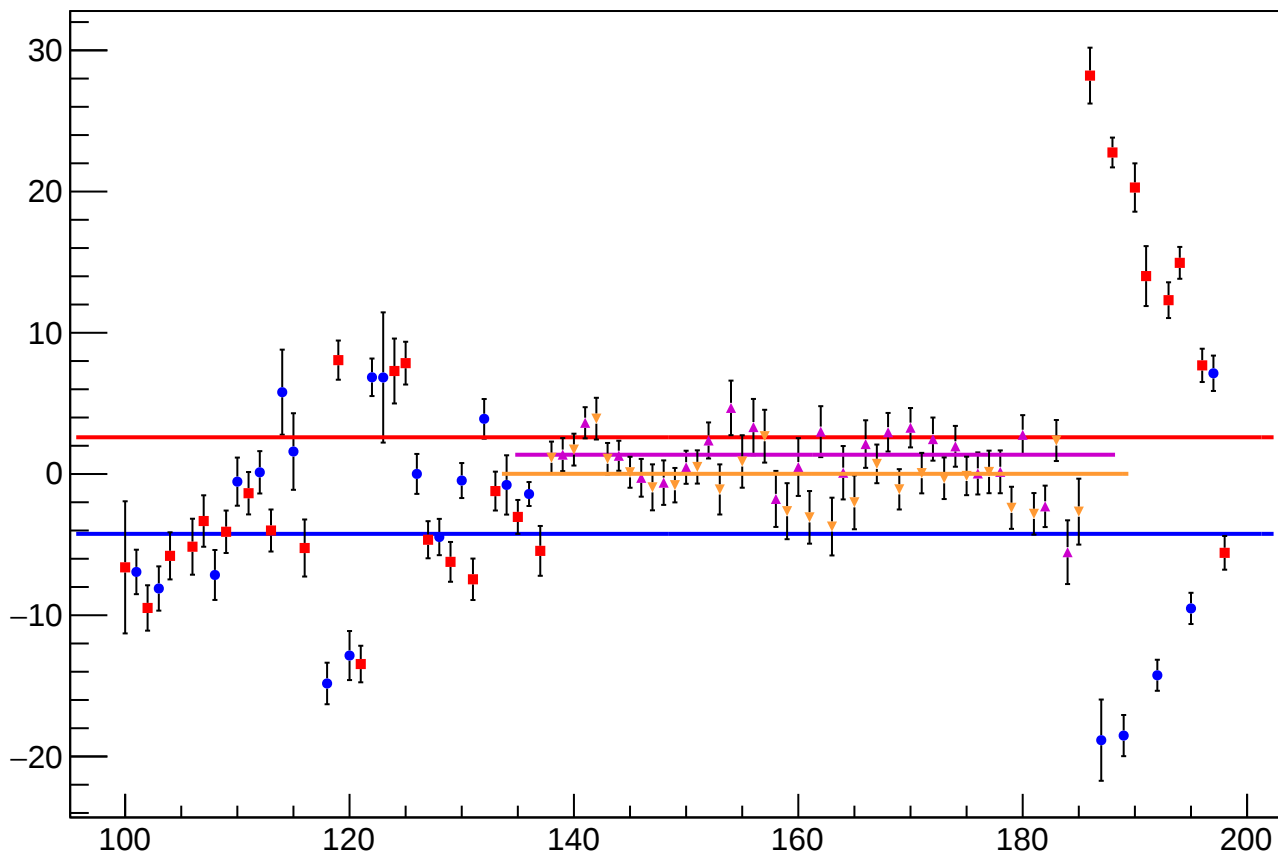
Right: 7264.187 ± 1.118 $\chi^2/\text{NDF}: 1508666.6/48$

In: 7106.559 ± 0.978 $\chi^2/\text{NDF}: 1031164.7/44$

Out: 6943.206 ± 0.900 $\chi^2/\text{NDF}: 1170327.8/51$

All: 7018.113 ± 0.662 $\chi^2/\text{NDF}: 2216595.8/96$

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -4.237 ± 0.311 $\chi^2/\text{NDF}: 568.4/21$

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

Right Out: 2.601 ± 0.285 $\chi^2/\text{NDF}: 1438.6/26$

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

Left: 0.654 ± 0.210 $\chi^2/\text{NDF}: 83.8/47$

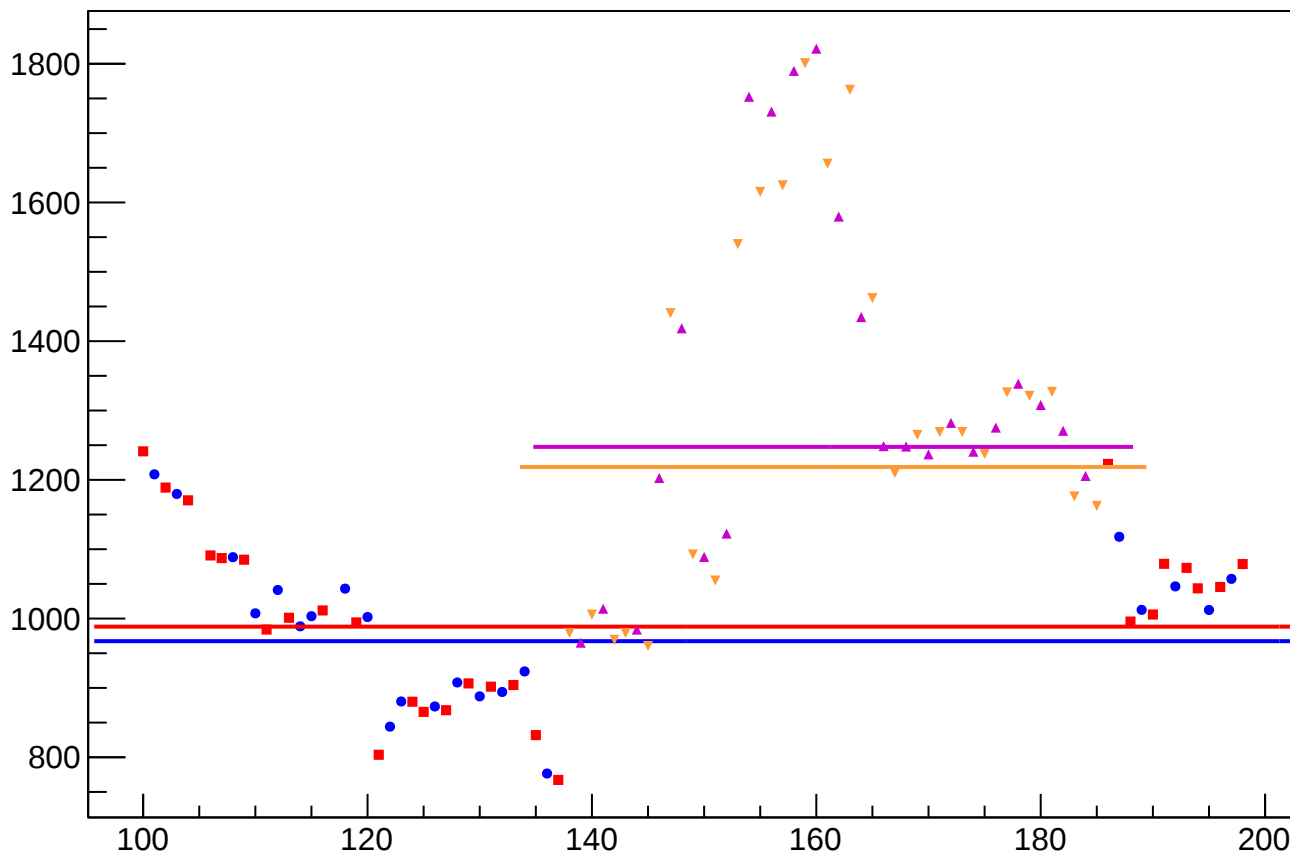
Right: -0.519 ± 0.210 $\chi^2/\text{NDF}: 2269.6/48$

In: -1.385 ± 0.218 $\chi^2/\text{NDF}: 772.0/44$

Out: 1.330 ± 0.203 $\chi^2/\text{NDF}: 1514.1/51$

All: 0.067 ± 0.149 $\chi^2/\text{NDF}: 2369.0/96$

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 967.408 ± 0.220 χ^2/NDF : 283633.2/21

Left Out: 1218.543 ± 0.205 χ^2/NDF : 1265847.5/24

Right Out: 988.367 ± 0.202 χ^2/NDF : 304511.7/26

Left In: 1247.538 ± 0.216 χ^2/NDF : 1073390.3/22

Left: 1232.283 ± 0.149 χ^2/NDF : 2348717.2/47

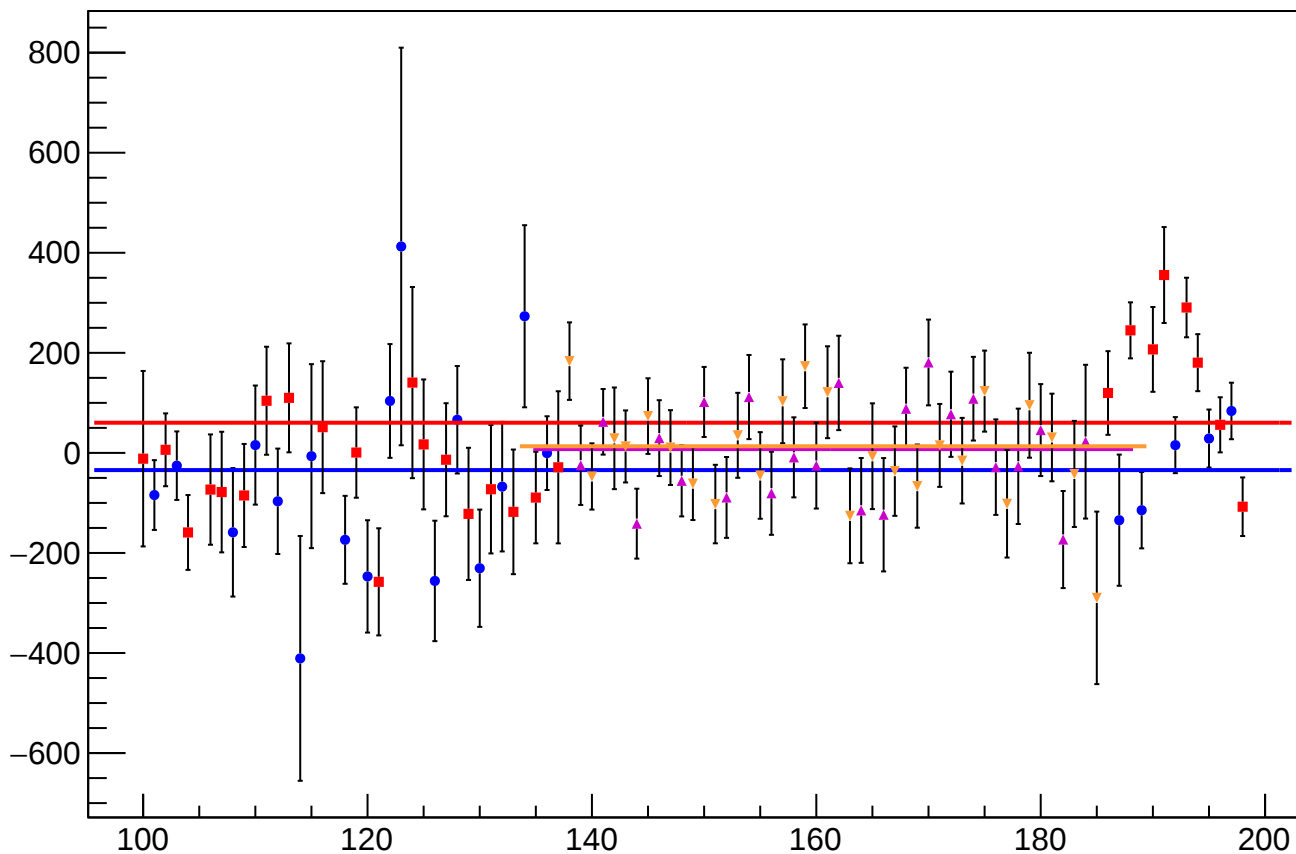
Right: 978.804 ± 0.149 χ^2/NDF : 593080.5/48

In: 1110.018 ± 0.154 χ^2/NDF : 2182553.7/44

Out: 1101.480 ± 0.144 χ^2/NDF : 2211476.3/51

All: 1105.451 ± 0.105 χ^2/NDF : 4395671.5/96

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -34.380 ± 19.459 χ^2/NDF : 31.5/21

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

Right Out: 60.324 ± 16.868 χ^2/NDF : 84.0/26

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

Left: 10.497 ± 12.306 χ^2/NDF : 55.0/47

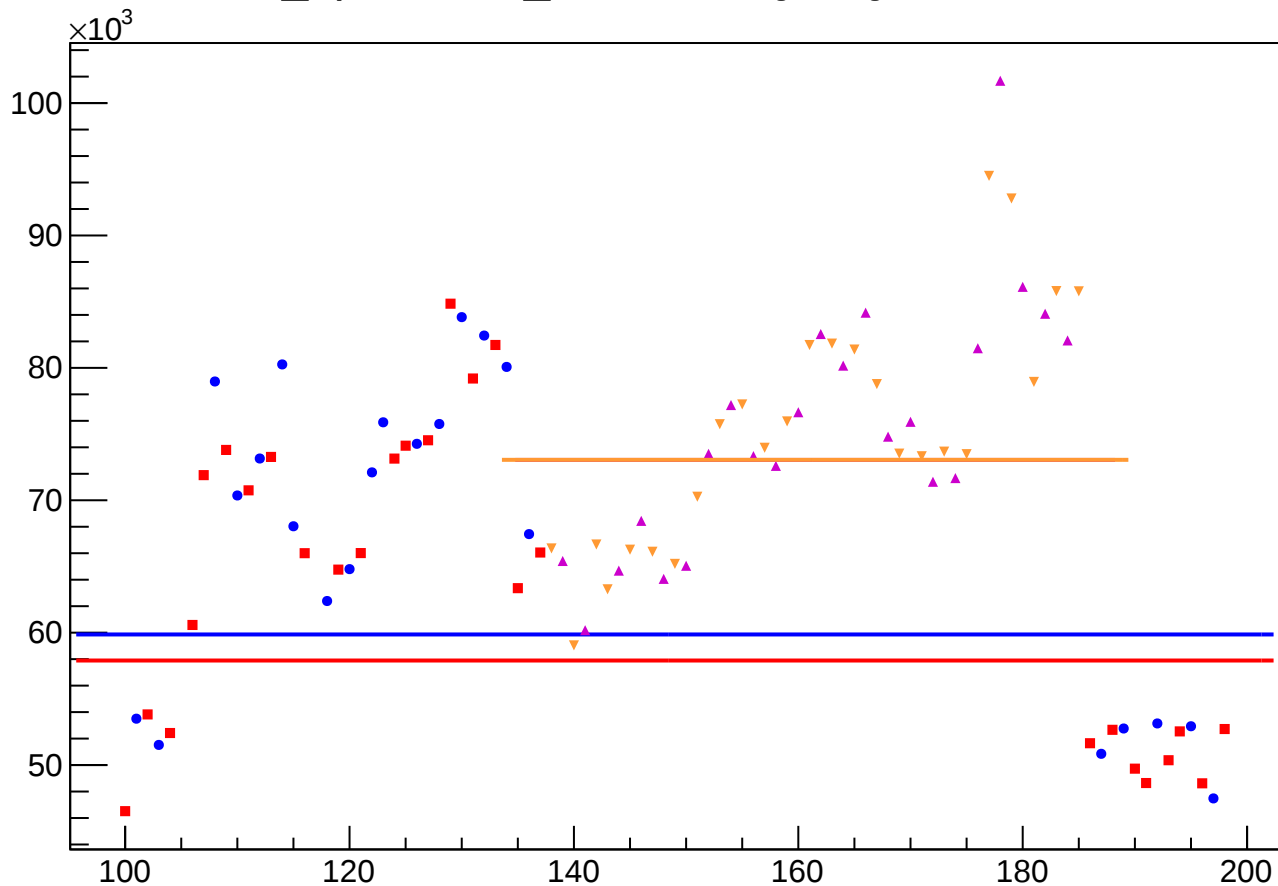
Right: 19.691 ± 12.746 χ^2/NDF : 129.0/48

In: -11.364 ± 13.082 χ^2/NDF : 62.1/44

Out: 37.150 ± 12.025 χ^2/NDF : 114.6/51

All: 14.932 ± 8.853 χ^2/NDF : 184.2/96

diff_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 59864.455 $\pm$ 13.759 χ^2/NDF : 630820.7/21

Left Out: 73054.401 $\pm$ 12.124 χ^2/NDF : 473050.9/24

Right Out: 57896.431 $\pm$ 11.928 χ^2/NDF : 699836.5/26

Left In: 73045.500 $\pm$ 12.496 χ^2/NDF : 463525.5/22

Left: 73050.085 $\pm$ 8.701 χ^2/NDF : 936576.6/47

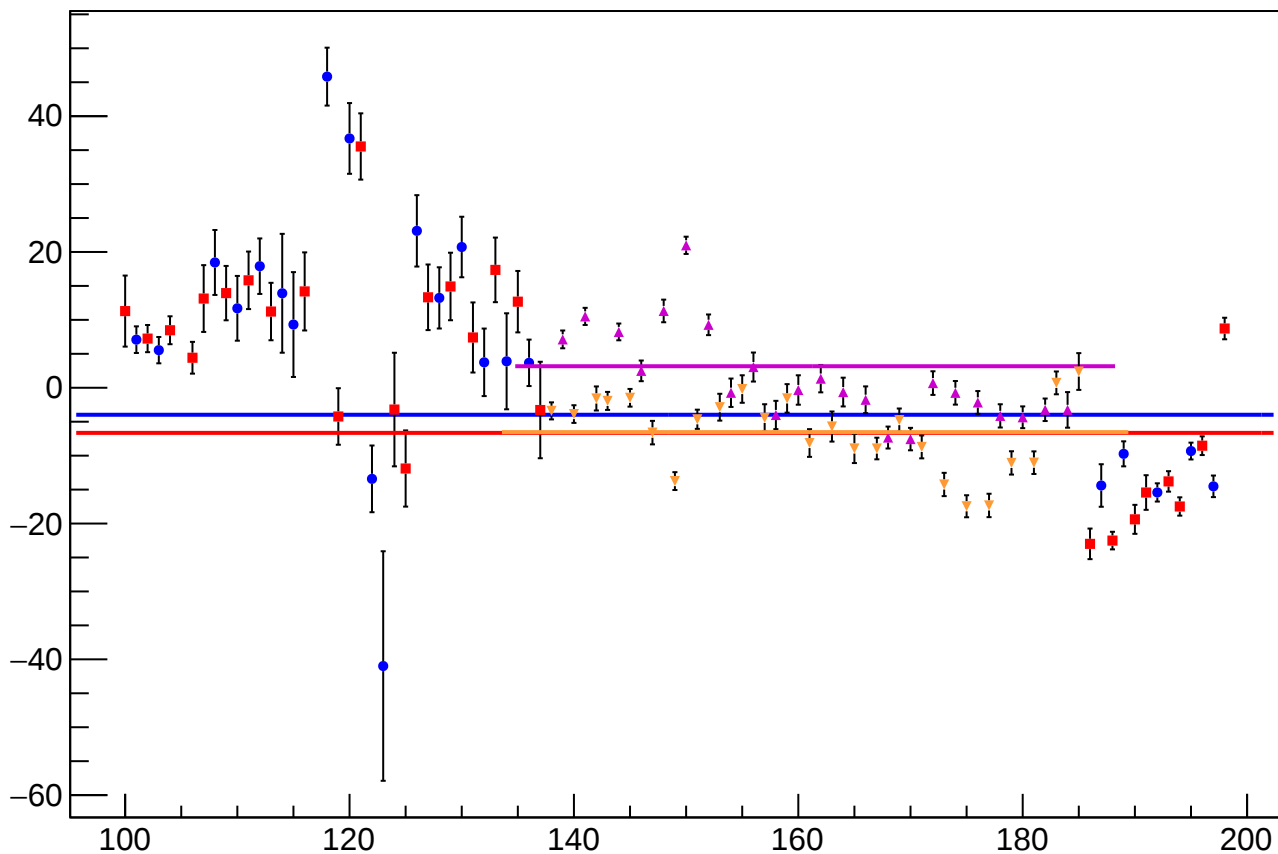
Right: 58740.826 $\pm$ 9.013 χ^2/NDF : 1342337.5/48

In: 67087.934 $\pm$ 9.250 χ^2/NDF : 1597264.2/44

Out: 65351.680 $\pm$ 8.503 χ^2/NDF : 1967182.4/51

All: 66146.825 $\pm$ 6.260 χ^2/NDF : 3583542.2/95

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -3.976 ± 0.566 $\chi^2/\text{NDF}: 566.8/21$

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

Right Out: -6.644 ± 0.476 $\chi^2/\text{NDF}: 834.1/26$

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

Left: -1.892 ± 0.240 $\chi^2/\text{NDF}: 1149.5/47$

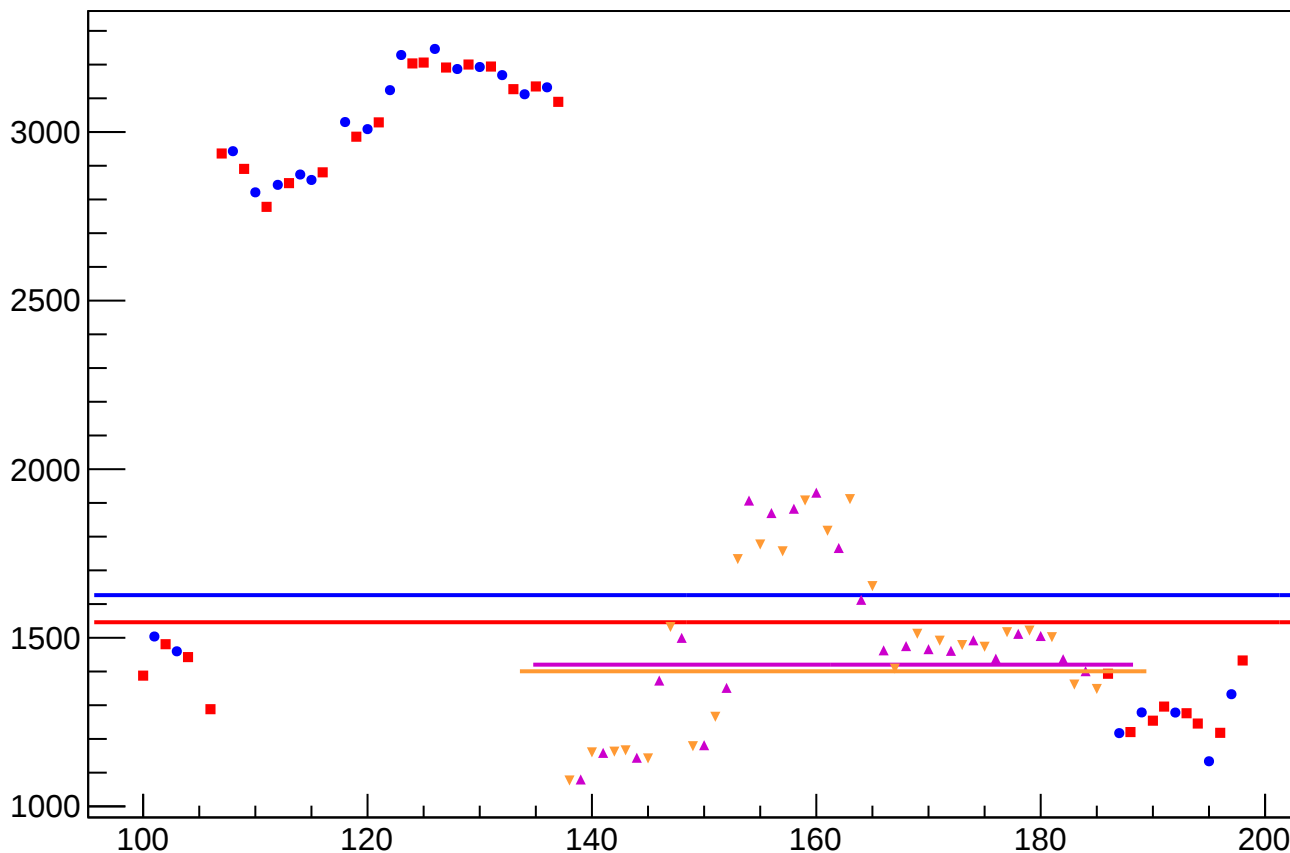
Right: -5.539 ± 0.364 $\chi^2/\text{NDF}: 1413.9/48$

In: 1.224 ± 0.296 $\chi^2/\text{NDF}: 1170.0/44$

Out: -6.572 ± 0.272 $\chi^2/\text{NDF}: 1086.8/51$

All: -2.993 ± 0.200 $\chi^2/\text{NDF}: 2633.3/96$

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 1626.493 $\pm$ 0.400 χ^2/NDF : 3098921.4/21

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

Right Out: 1546.115 $\pm$ 0.337 χ^2/NDF : 3260488.2/26

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

Left: 1410.037 $\pm$ 0.169 χ^2/NDF : 1946462.8/47

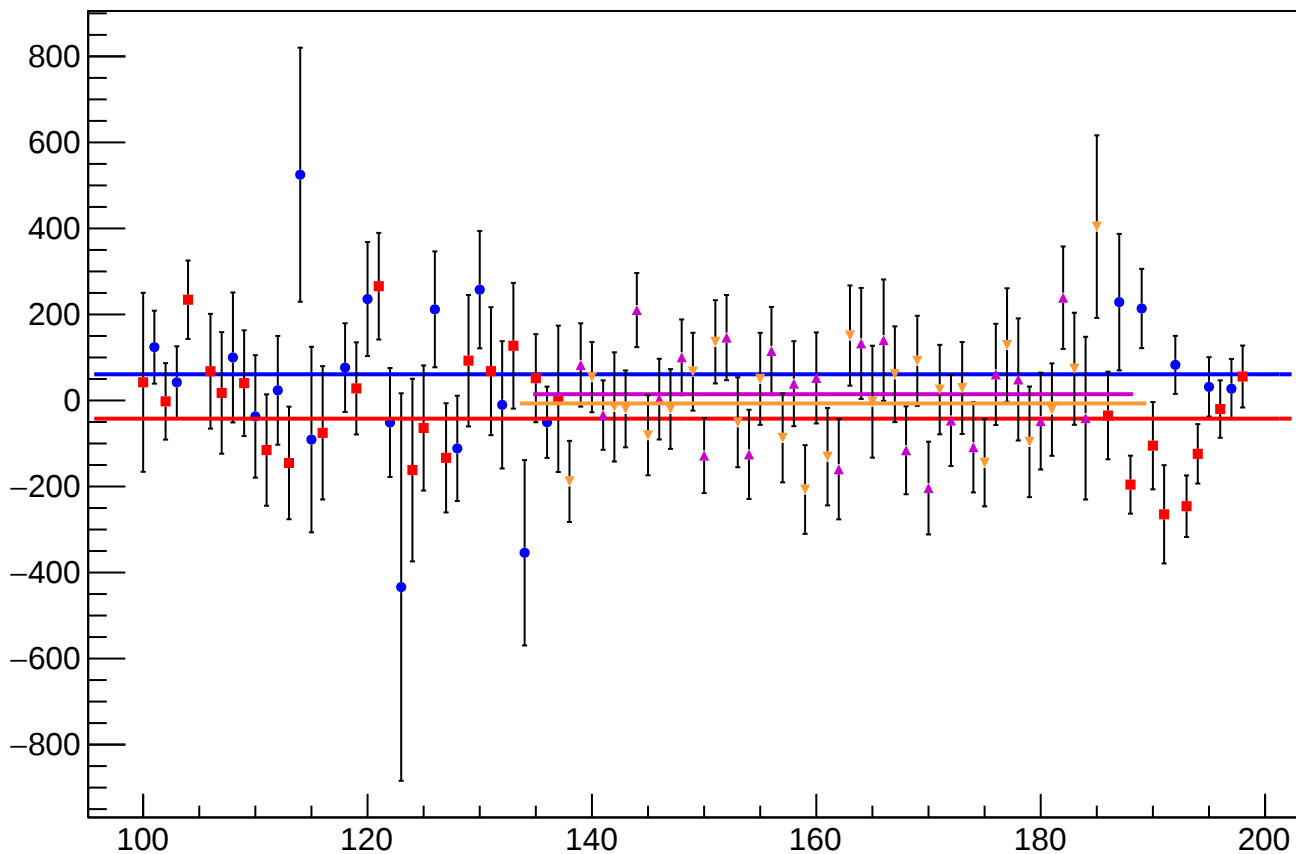
Right: 1579.417 $\pm$ 0.258 χ^2/NDF : 6383017.0/48

In: 1476.462 $\pm$ 0.209 χ^2/NDF : 4197127.0/44

Out: 1448.184 $\pm$ 0.193 χ^2/NDF : 4424060.6/51

All: 1461.166 $\pm$ 0.142 χ^2/NDF : 8631093.3/96

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 60.912 ± 23.112 χ^2/NDF : 23.4/21

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

Right Out: -42.211 ± 20.148 χ^2/NDF : 43.8/26

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

Left: 3.596 ± 15.219 χ^2/NDF : 55.0/47

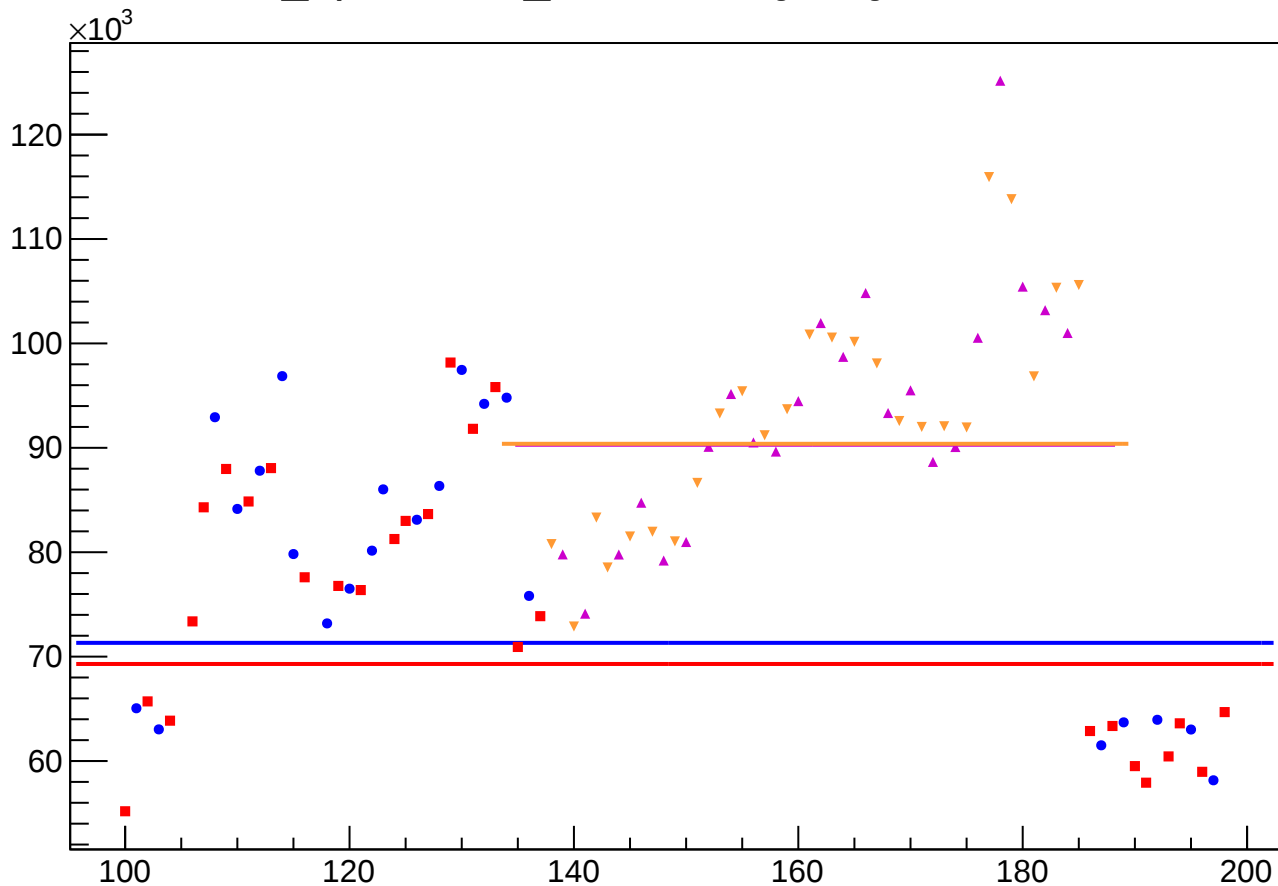
Right: 2.319 ± 15.187 χ^2/NDF : 78.5/48

In: 36.459 ± 15.876 χ^2/NDF : 55.4/44

Out: -25.412 ± 14.609 χ^2/NDF : 69.9/51

All: 2.956 ± 10.750 χ^2/NDF : 133.5/96

diff_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 71319.257 $\pm$ 16.342 χ^2/NDF : 498137.4/21

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

Right Out: 69295.802 $\pm$ 14.247 χ^2/NDF : 579040.0/26

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

Left: 90340.563 $\pm$ 10.761 χ^2/NDF : 923003.7/47

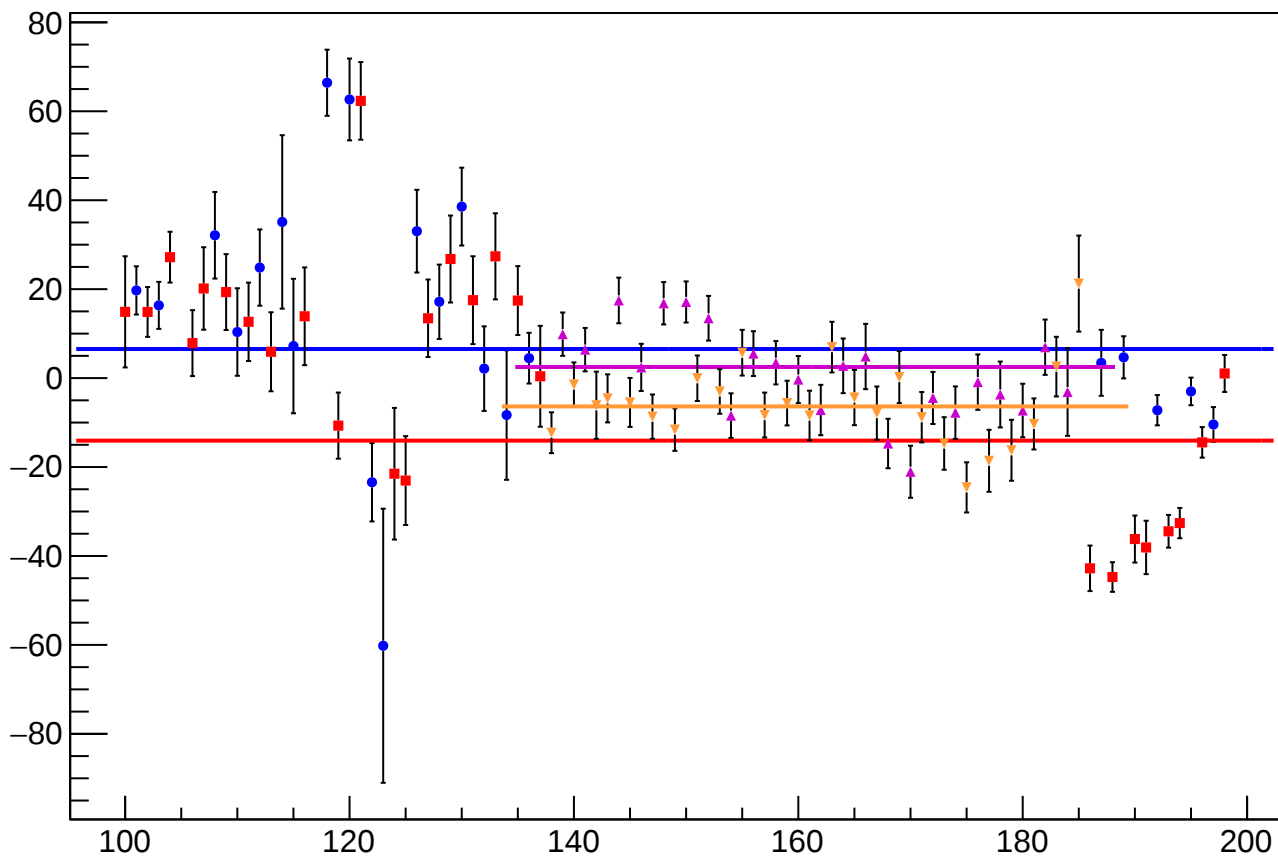
Right: 70169.545 $\pm$ 10.739 χ^2/NDF : 1085888.2/48

In: 81340.056 $\pm$ 11.226 χ^2/NDF : 1671413.1/44

Out: 79297.456 $\pm$ 10.330 χ^2/NDF : 2079907.4/51

All: 80233.987 $\pm$ 7.601 χ^2/NDF : 3769247.6/9

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 6.538 $\pm$ 1.338 χ^2/NDF : 210.8/21

Left Out: -6.370 $\pm$ 1.124 χ^2/NDF : 45.5/24

Right Out: -14.063 $\pm$ 1.150 χ^2/NDF : 517.9/26

Left In: 2.501 $\pm$ 1.156 χ^2/NDF : 78.4/22

Left: -2.059 $\pm$ 0.806 χ^2/NDF : 154.1/47

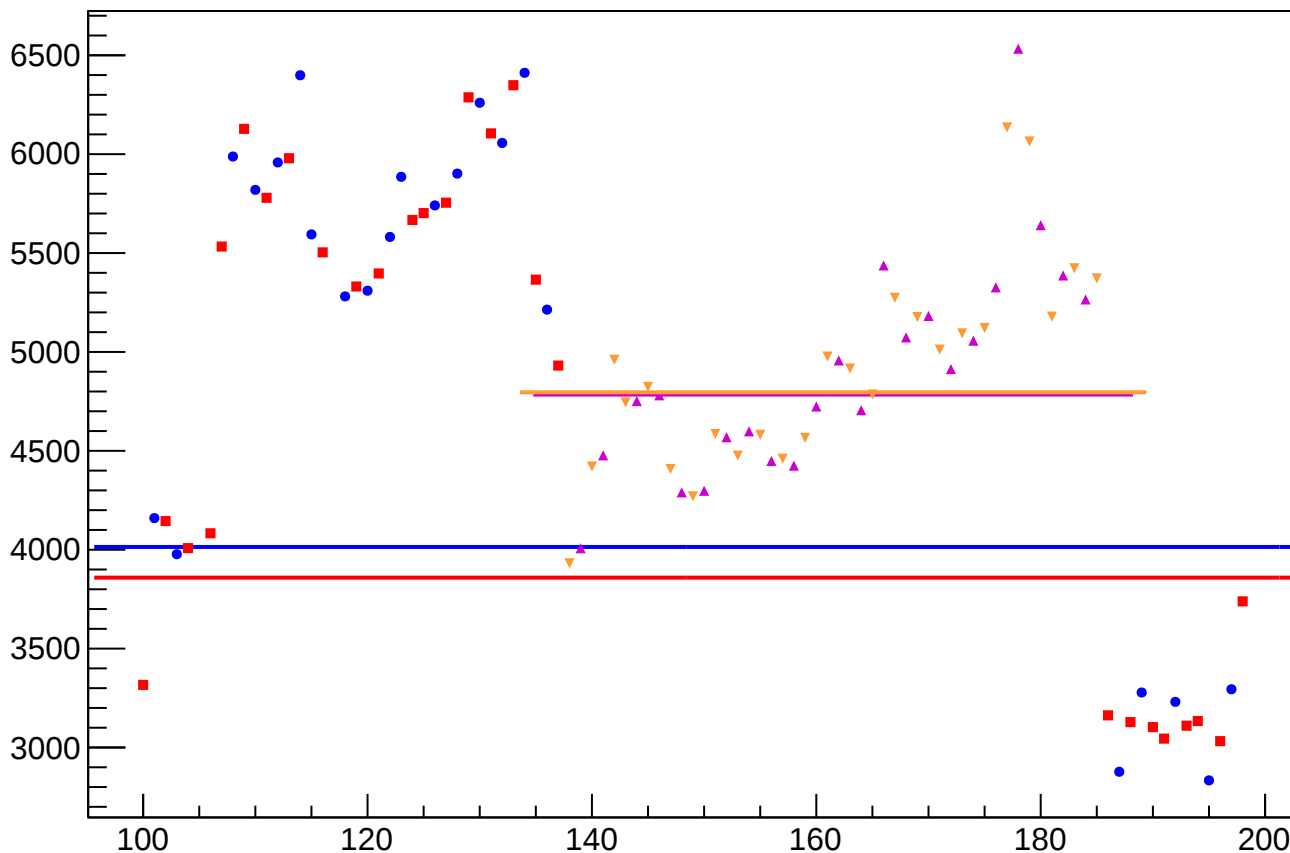
Right: -5.308 $\pm$ 0.872 χ^2/NDF : 865.1/48

In: 4.226 $\pm$ 0.875 χ^2/NDF : 294.5/44

Out: -10.127 $\pm$ 0.804 χ^2/NDF : 586.3/51

All: -3.555 $\pm$ 0.592 χ^2/NDF : 1026.7/96

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 4013.999 $\pm$ 0.946 χ^2/NDF : 1569637.8/21

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

Right Out: 3858.878 $\pm$ 0.813 χ^2/NDF : 1760057.5/26

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

Left: 4790.301 $\pm$ 0.570 χ^2/NDF : 718857.1/47

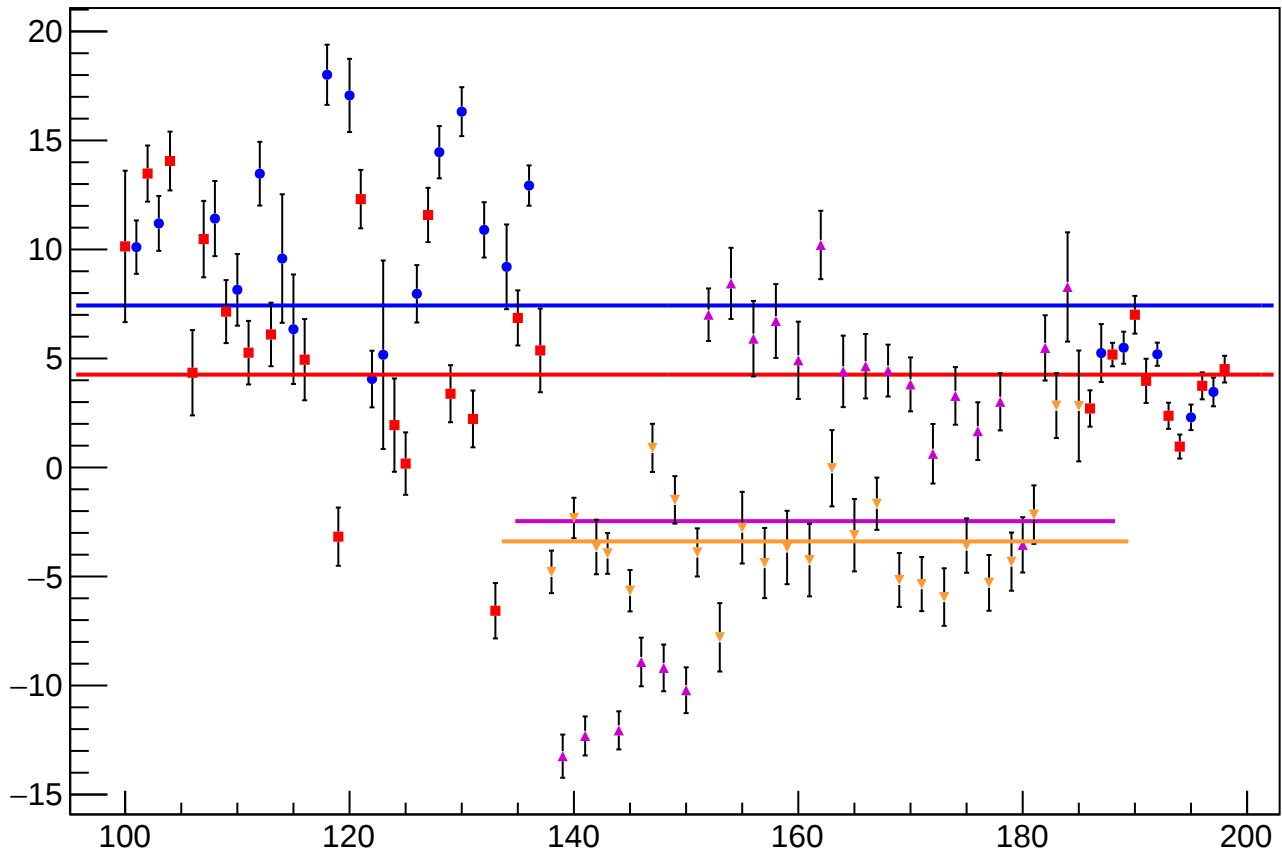
Right: 3924.797 $\pm$ 0.617 χ^2/NDF : 3345150.8/48

In: 4455.203 $\pm$ 0.619 χ^2/NDF : 2306821.1/44

Out: 4338.255 $\pm$ 0.568 χ^2/NDF : 2800202.3/51

All: 4391.801 $\pm$ 0.419 χ^2/NDF : 5126404.0/96

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 7.431 ± 0.226 $\chi^2/\text{NDF}: 417.0/21$

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

Right Out: 4.259 ± 0.192 $\chi^2/\text{NDF}: 380.1/26$

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

Left: -2.947 ± 0.183 $\chi^2/\text{NDF}: 1012.2/47$

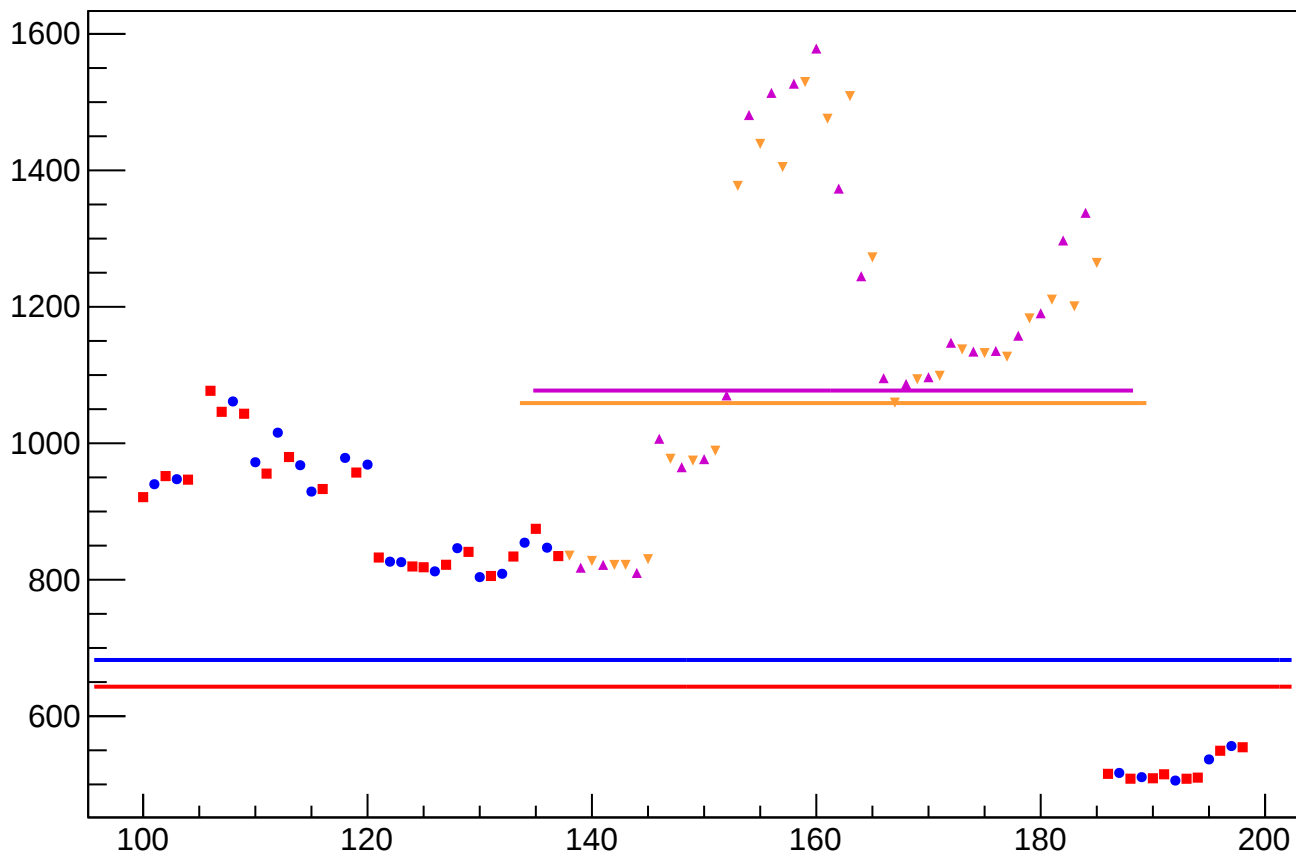
Right: 5.585 ± 0.146 $\chi^2/\text{NDF}: 911.7/48$

In: 3.254 ± 0.172 $\chi^2/\text{NDF}: 2153.7/44$

Out: 1.460 ± 0.153 $\chi^2/\text{NDF}: 1040.8/51$

All: 2.251 ± 0.114 $\chi^2/\text{NDF}: 3255.5/96$

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 682.401 $\pm$ 0.160 χ^2/NDF : 1392688.8/21

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

Right Out: 643.263 $\pm$ 0.135 χ^2/NDF : 1836223.8/26

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

Left: 1067.683 $\pm$ 0.129 χ^2/NDF : 2688612.0/47

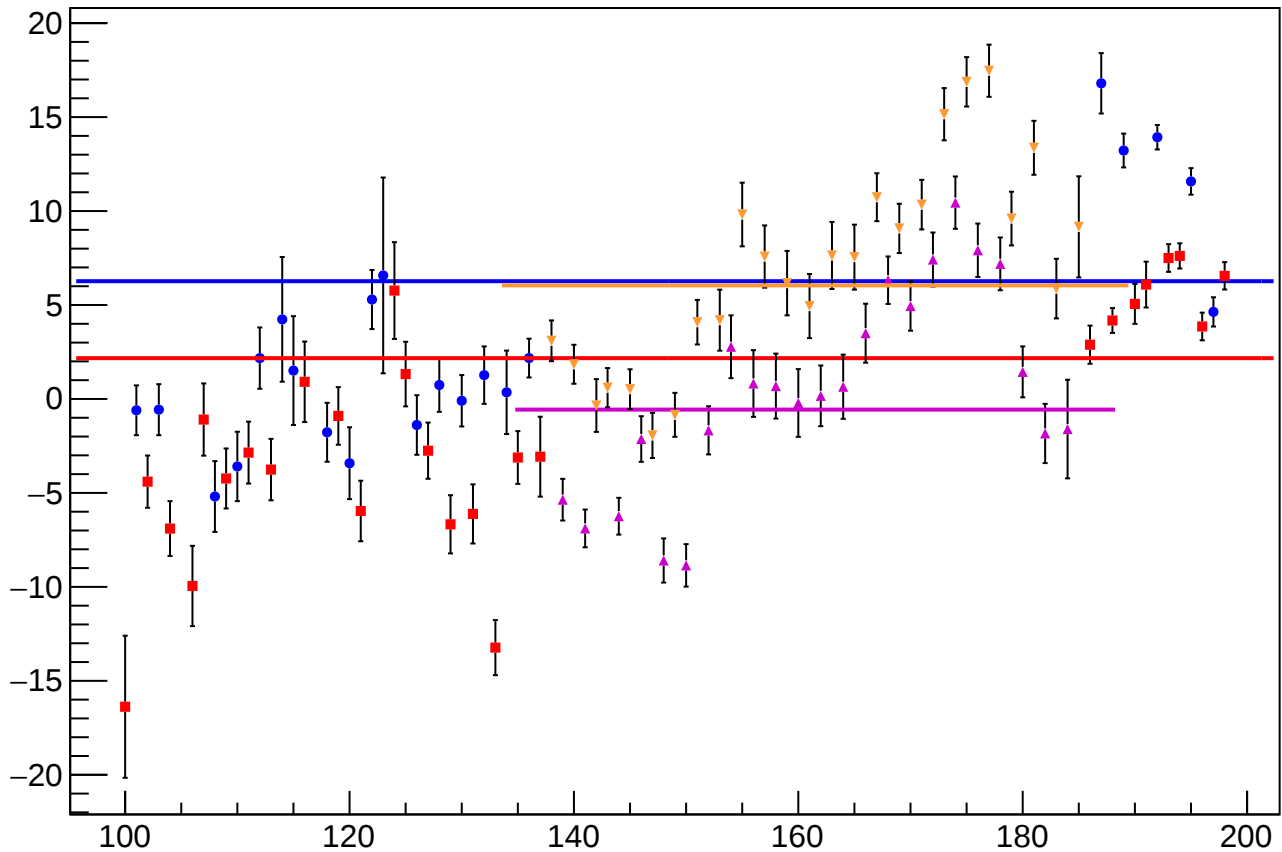
Right: 659.630 $\pm$ 0.103 χ^2/NDF : 3263802.5/48

In: 849.158 $\pm$ 0.121 χ^2/NDF :5250925.9/44

Out: 795.365 $\pm$ 0.108 χ^2/NDF :6683086.2/51

All: 819.088 $\pm$ 0.081 χ^2/NDF : 12043630.2/96

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 6.268 ± 0.267 $\chi^2/\text{NDF}: 574.9/21$

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

Right Out: 2.172 ± 0.228 $\chi^2/\text{NDF}: 579.6/26$

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

Left: 2.888 ± 0.196 $\chi^2/\text{NDF}: 1130.7/47$

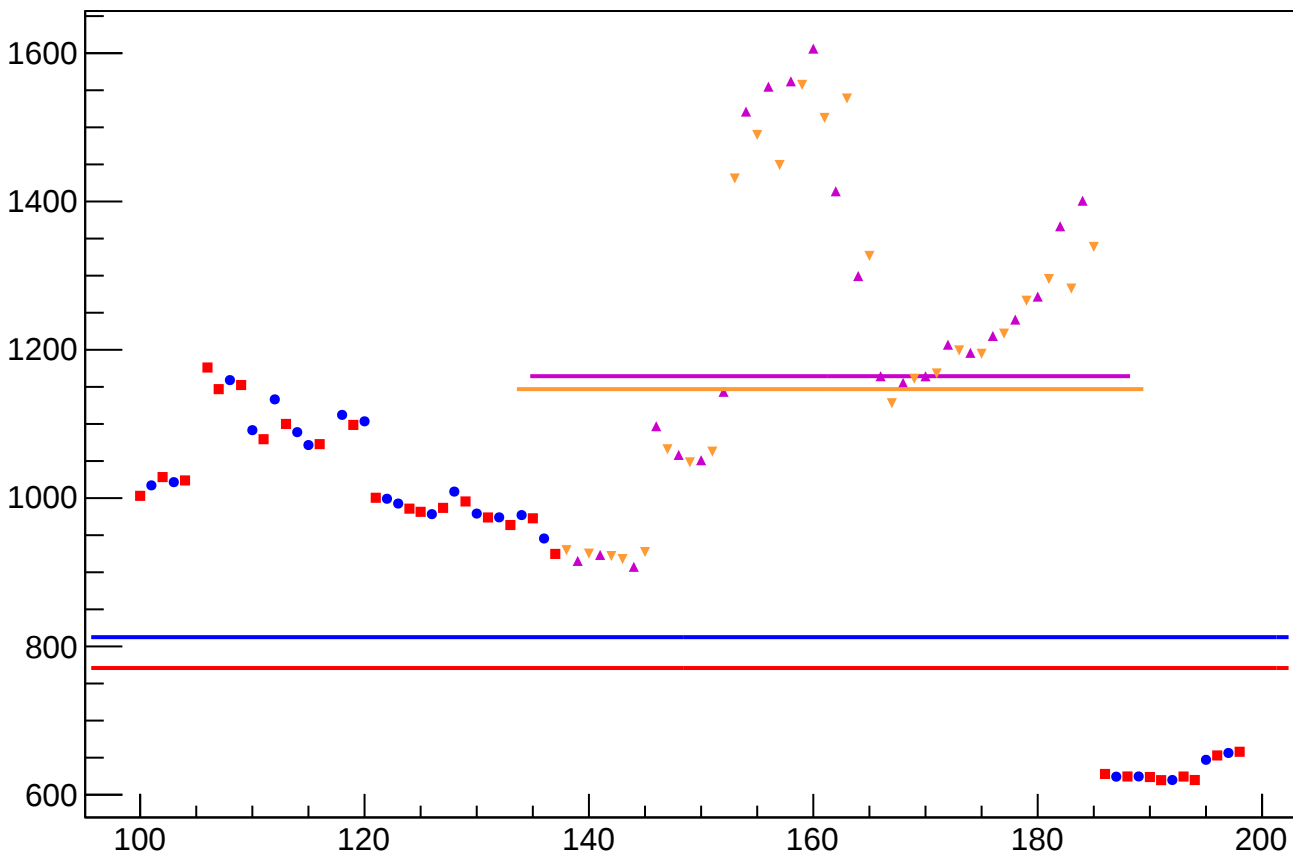
Right: 3.897 ± 0.173 $\chi^2/\text{NDF}: 1290.7/48$

In: 3.063 ± 0.195 $\chi^2/\text{NDF}: 1299.1/44$

Out: 3.770 ± 0.175 $\chi^2/\text{NDF}: 1129.8/51$

All: 3.455 ± 0.130 $\chi^2/\text{NDF}: 2436.2/96$

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 812.490 $\pm$ 0.189 χ^2 /NDF: 1101629.3/21

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

Right Out: 770.899 $\pm$ 0.161 χ^2 /NDF: 1456146.6/26

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

Left: 1155.305 $\pm$ 0.139 χ^2 /NDF: 1993824.0/47

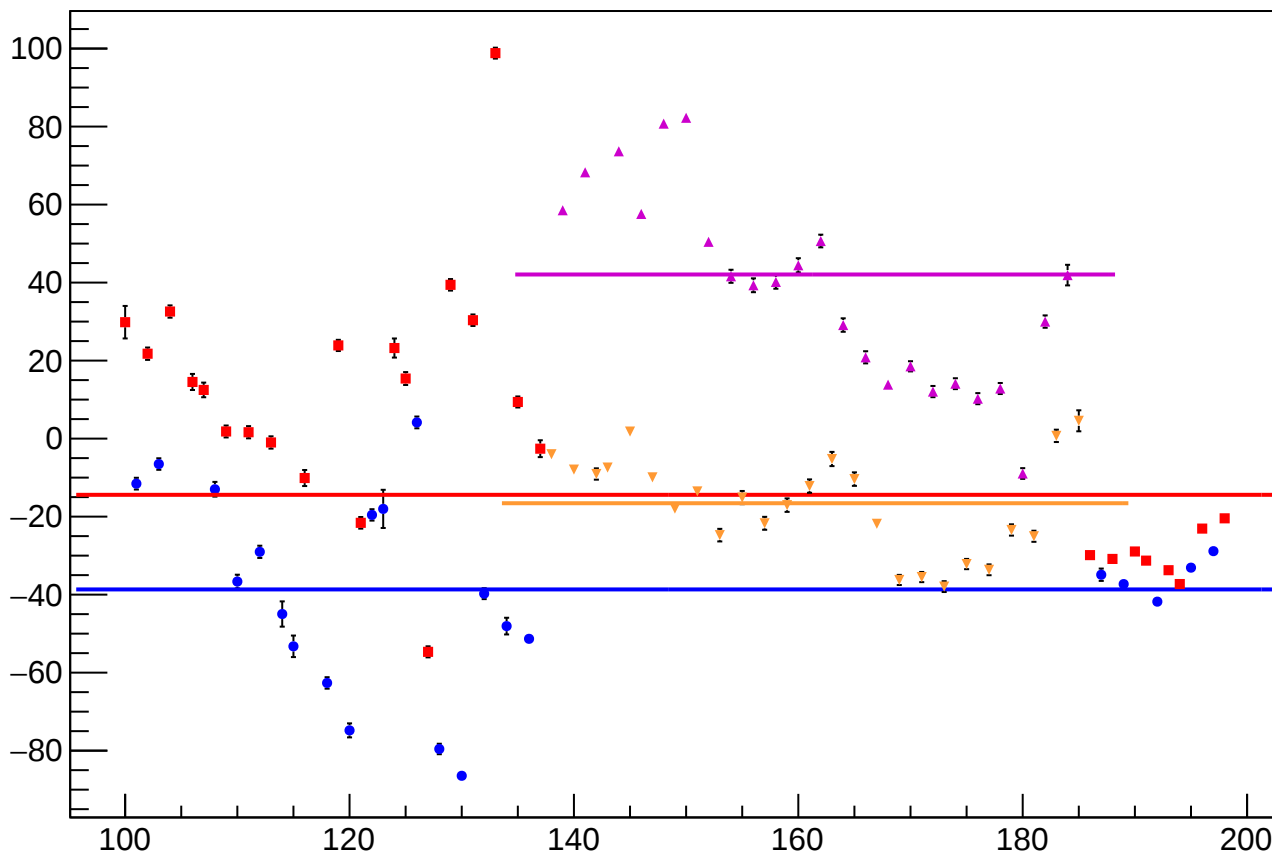
Right: 788.415 $\pm$ 0.123 χ^2 /NDF: 2585864.0/48

In: 977.548 $\pm$ 0.138 χ^2 /NDF:3675273.2/44

Out: 926.118 $\pm$ 0.123 χ^2 /NDF:4752418.1/51

All: 949.049 $\pm$ 0.092 χ^2 /NDF: 8505119.2/96

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -38.666±/0.262 χ^2/NDF : 5439.8/21

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

Right Out: -14.411±/0.223 χ^2/NDF : 16874.5/26

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

Left: 11.318±/0.199 χ^2/NDF : 31846.5/47

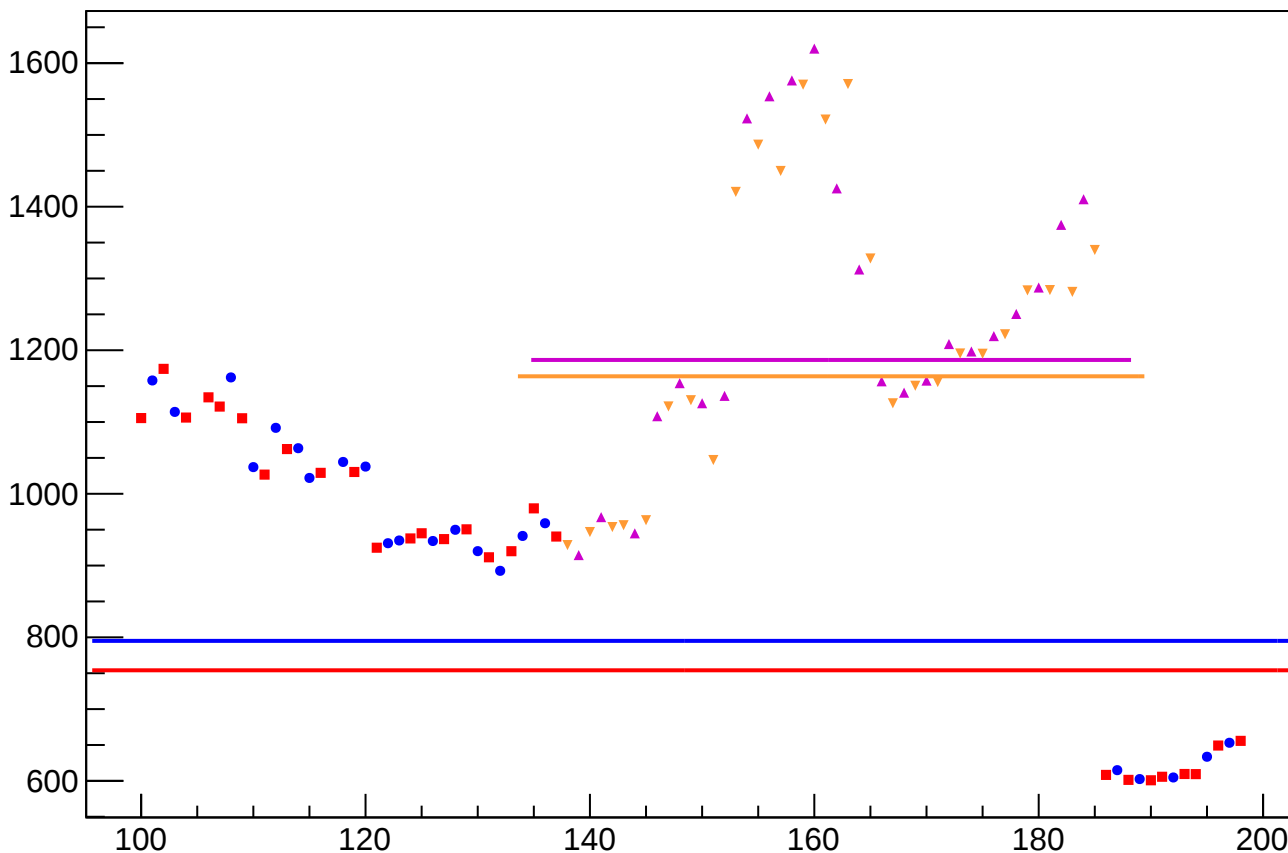
Right: -24.616±/0.170 χ^2/NDF : 27295.8/48

In: -2.323±/0.194 χ^2/NDF :56667.3/44

Out: -15.265±/0.173 χ^2/NDF :18842.8/51

All: -9.522±/0.129 χ^2/NDF : 77986.8/96

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 795.063 $\pm$ 0.185 χ^2/NDF : 1144435.9/21

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

Right Out: 754.063 $\pm$ 0.158 χ^2/NDF : 1489857.9/26

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

Left: 1174.525 $\pm$ 0.141 χ^2/NDF : 1776015.7/47

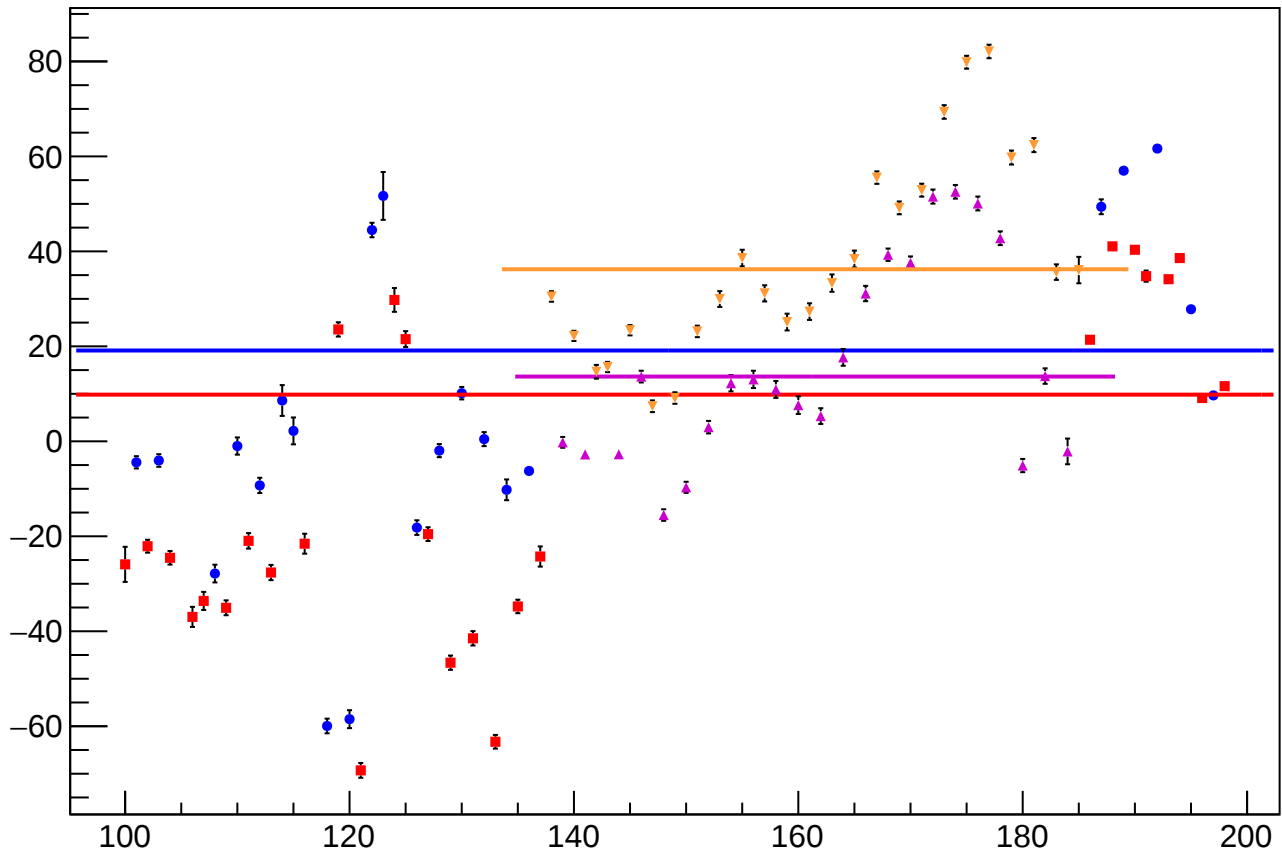
Right: 771.314 $\pm$ 0.120 χ^2/NDF : 2662761.9/48

In: 971.242 $\pm$ 0.137 χ^2/NDF : 3993910.6/44

Out: 916.301 $\pm$ 0.122 χ^2/NDF : 5100874.4/51

All: 940.681 $\pm$ 0.091 χ^2/NDF : 9184055.0/96

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: 19.126 $\pm$ 0.260 χ^2/NDF : 15351.5/21

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

Right Out: 9.829 $\pm$ 0.221 χ^2/NDF : 20756.3/26

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

Left: 25.447 $\pm$ 0.202 χ^2/NDF : 14084.0/47

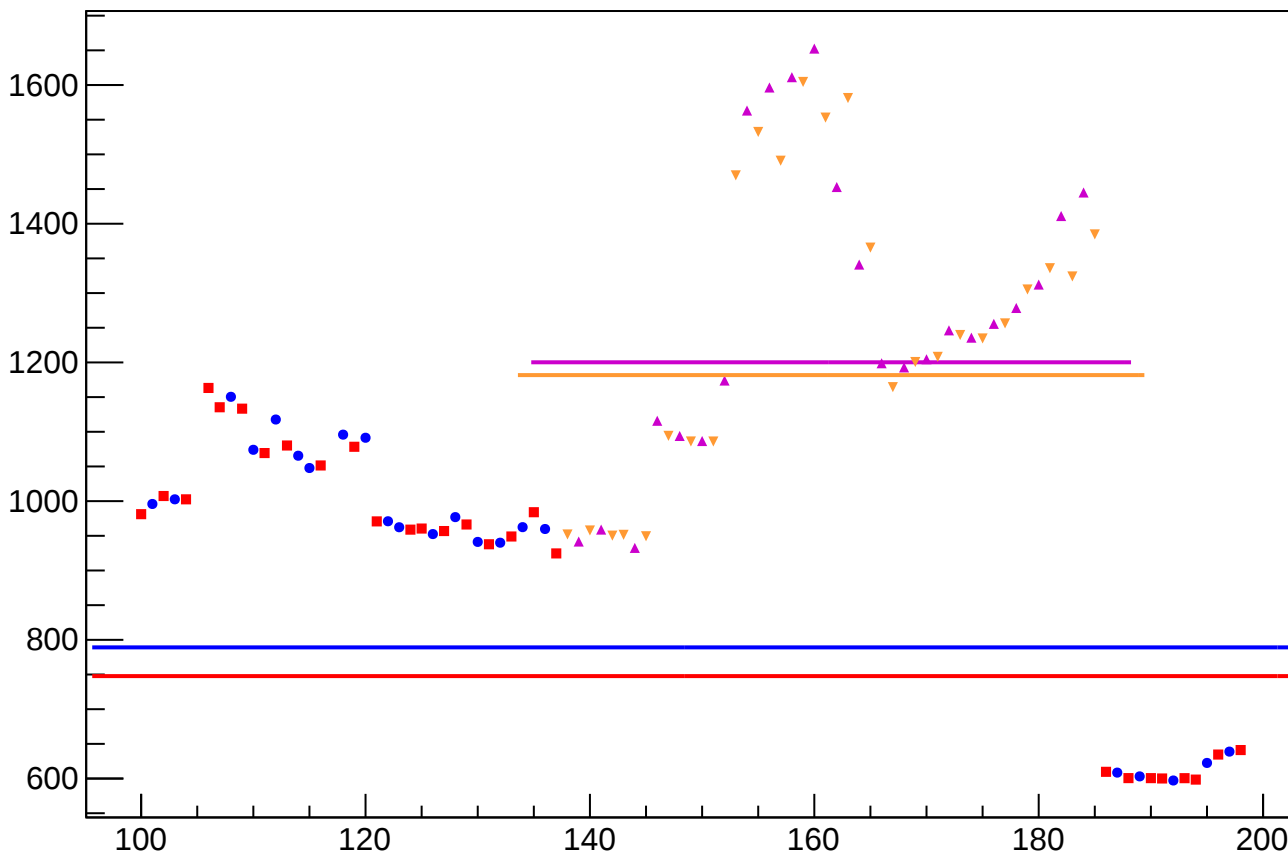
Right: 13.738 $\pm$ 0.168 χ^2/NDF : 36849.8/48

In: 16.709 $\pm$ 0.194 χ^2/NDF : 20725.9/44

Out: 19.987 $\pm$ 0.174 χ^2/NDF : 32027.6/51

All: 18.532 $\pm$ 0.129 χ^2/NDF : 52911.7/96

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 789.132 $\pm$ 0.184 χ^2/NDF : 1179081.4/21

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

Right Out: 747.716 $\pm$ 0.156 χ^2/NDF : 1545200.3/26

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

Left: 1190.549 $\pm$ 0.143 χ^2/NDF : 1985902.3/47

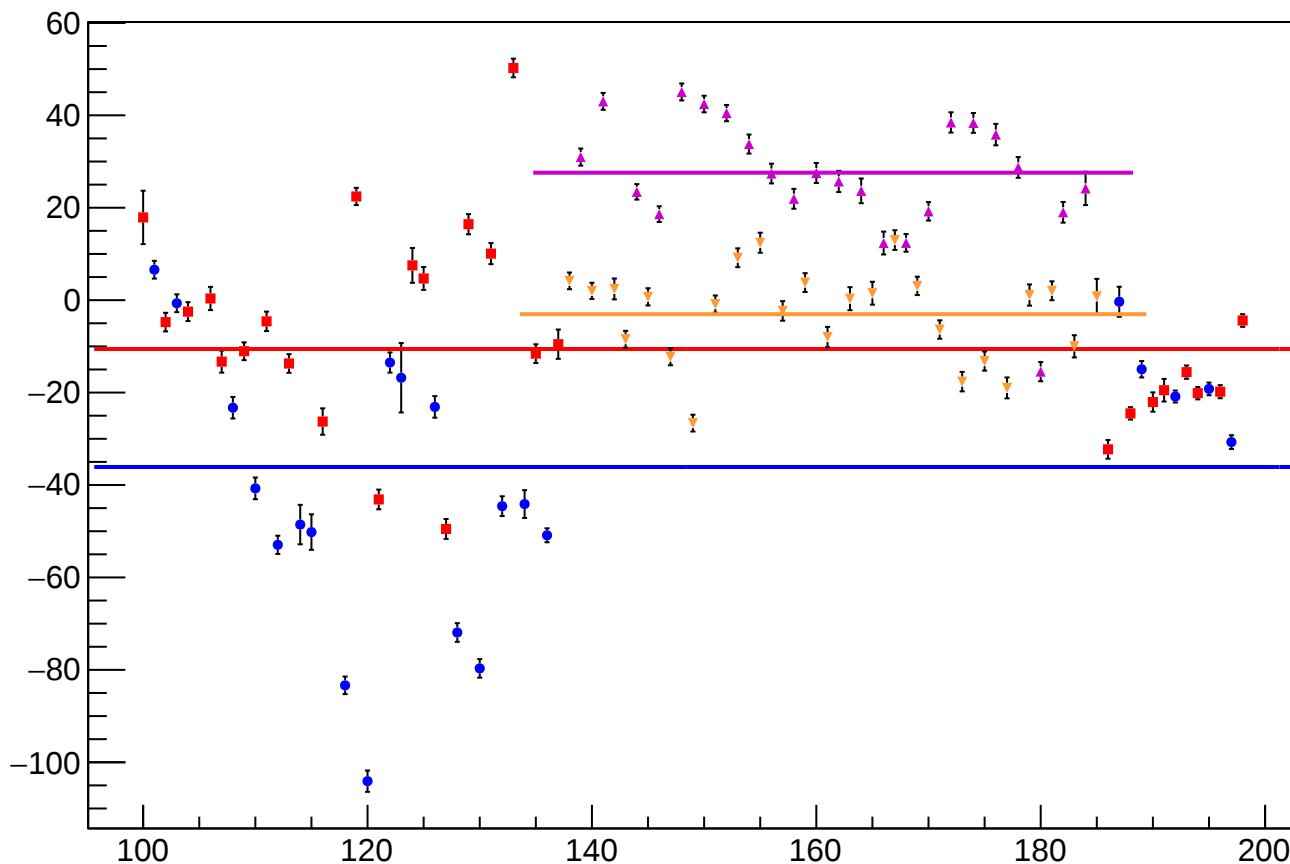
Right: 765.127 $\pm$ 0.119 χ^2/NDF : 2753732.6/48

In: 970.238 $\pm$ 0.137 χ^2/NDF :4322632.6/44

Out: 914.673 $\pm$ 0.123 χ^2/NDF :5548223.5/51

All: 939.331 $\pm$ 0.092 χ^2/NDF : 9961794.2/96

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -36.101±/0.430 χ^2/NDF : 4063.3/21

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

Right Out: -10.572±/0.380 χ^2/NDF : 2580.4/26

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

Left: 11.767±/0.298 χ^2/NDF : 4146.6/47

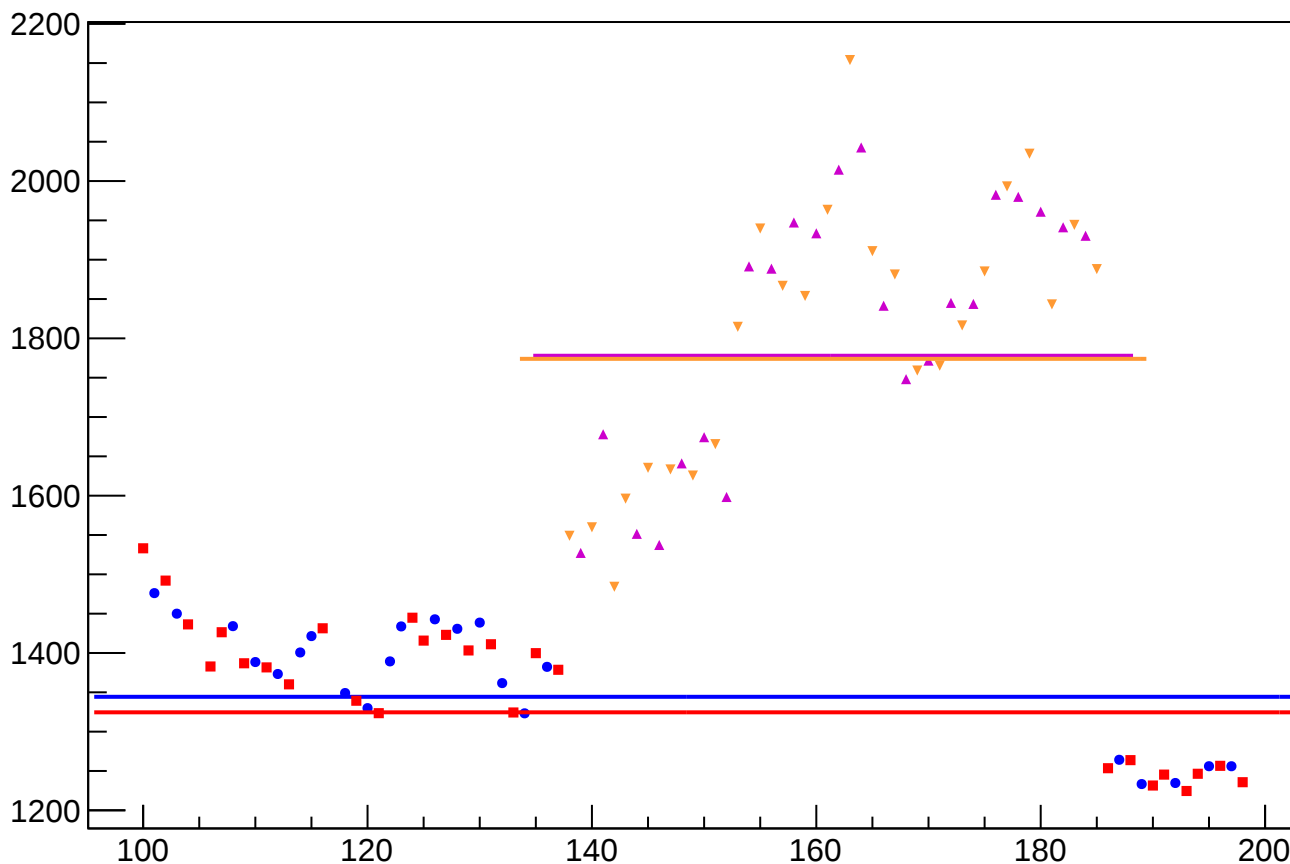
Right: -21.774±/0.285 χ^2/NDF : 8623.4/48

In: -4.199±/0.304 χ^2/NDF :16019.7/44

Out: -7.136±/0.280 χ^2/NDF :3315.2/51

All: -5.785±/0.206 χ^2/NDF : 19385.4/96

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1344.297 ± 0.304 $\chi^2/\text{NDF}: 73662.8/21$

Left Out: 1773.965 ± 0.294 $\chi^2/\text{NDF}: 313031.1/24$

Right Out: 1324.563 ± 0.269 $\chi^2/\text{NDF}: 93960.1/26$

Left In: 1777.884 ± 0.303 $\chi^2/\text{NDF}: 299514.0/22$

Left: 1775.860 ± 0.211 $\chi^2/\text{NDF}: 612631.3/47$

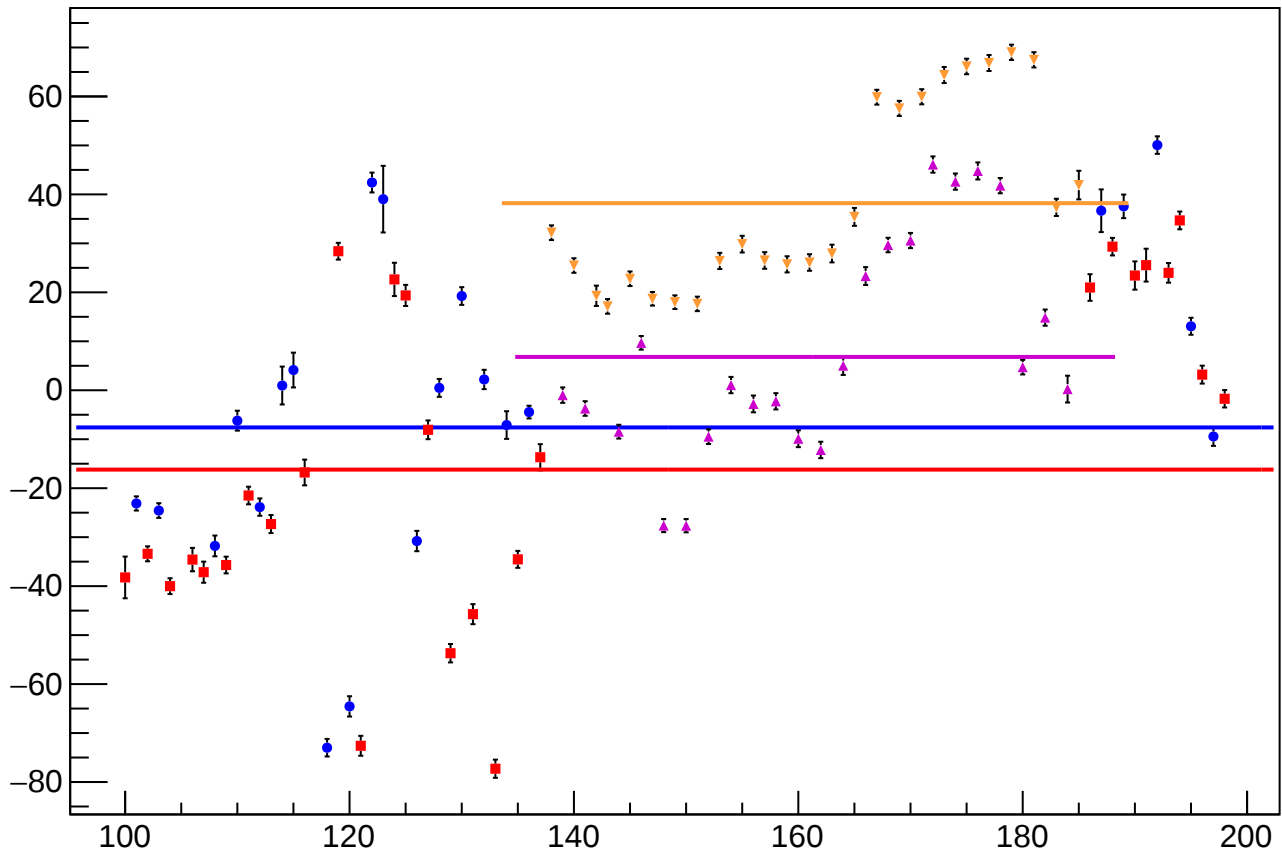
Right: 1333.222 ± 0.201 $\chi^2/\text{NDF}: 169988.7/48$

In: 1561.498 ± 0.215 $\chi^2/\text{NDF}: 1392637.5/44$

Out: 1529.512 ± 0.198 $\chi^2/\text{NDF}: 1682221.6/51$

All: 1544.228 ± 0.146 $\chi^2/\text{NDF}: 3086840.8/96$

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -7.590 ± 0.422 χ^2/NDF : 5245.3/21

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

Right Out: -16.202 ± 0.389 χ^2/NDF : 6913.1/26

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

Left: 22.967 ± 0.232 χ^2/NDF : 12584.4/47

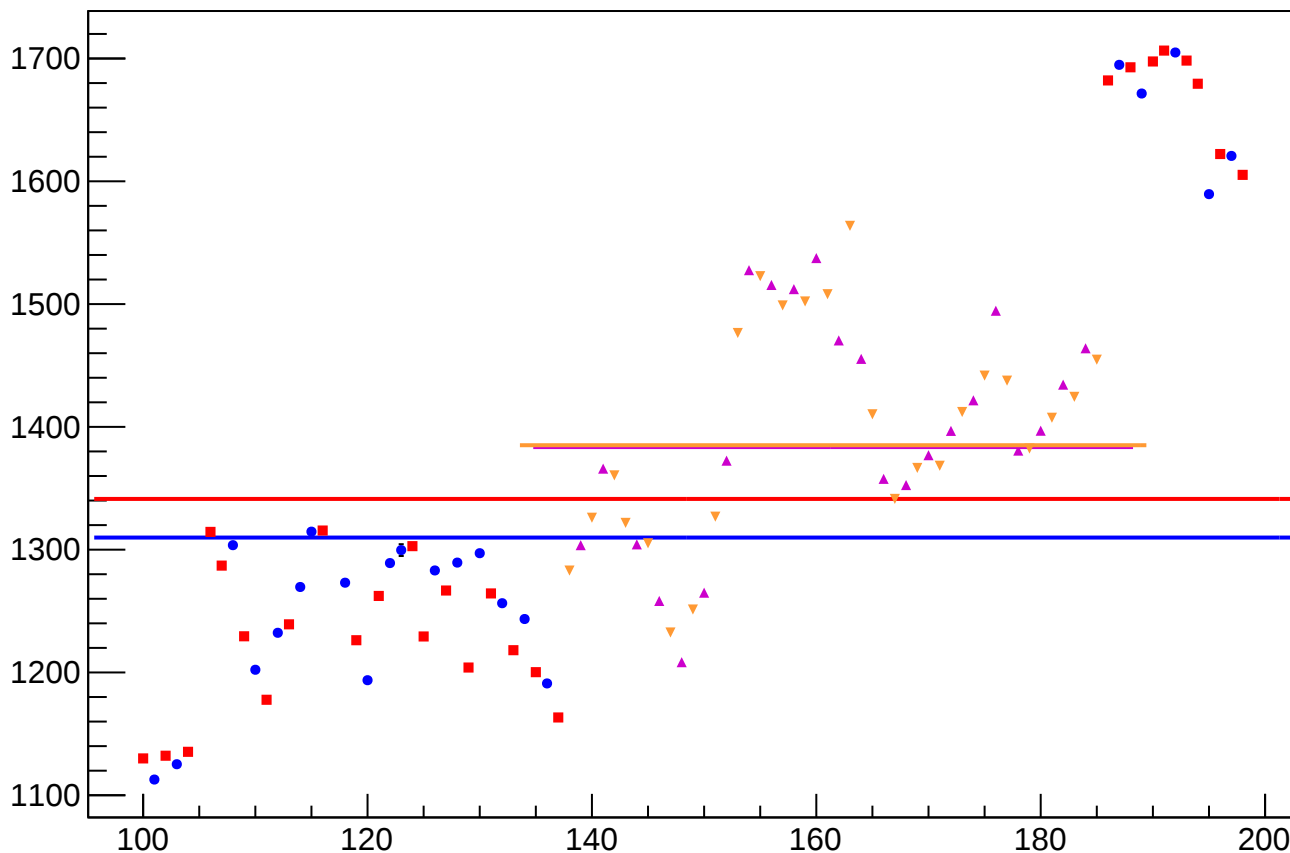
Right: -12.249 ± 0.286 χ^2/NDF : 12383.6/48

In: 1.286 ± 0.261 χ^2/NDF : 10457.0/44

Out: 15.960 ± 0.249 χ^2/NDF : 22001.9/51

All: 8.991 ± 0.180 χ^2/NDF : 34113.3/96

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1309.863 $\pm$ 0.298 χ^2 /NDF: 366790.7/21

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

Right Out: 1341.324 $\pm$ 0.275 χ^2 /NDF: 559706.8/26

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

Left: 1384.333 $\pm$ 0.164 χ^2 /NDF: 300718.5/47

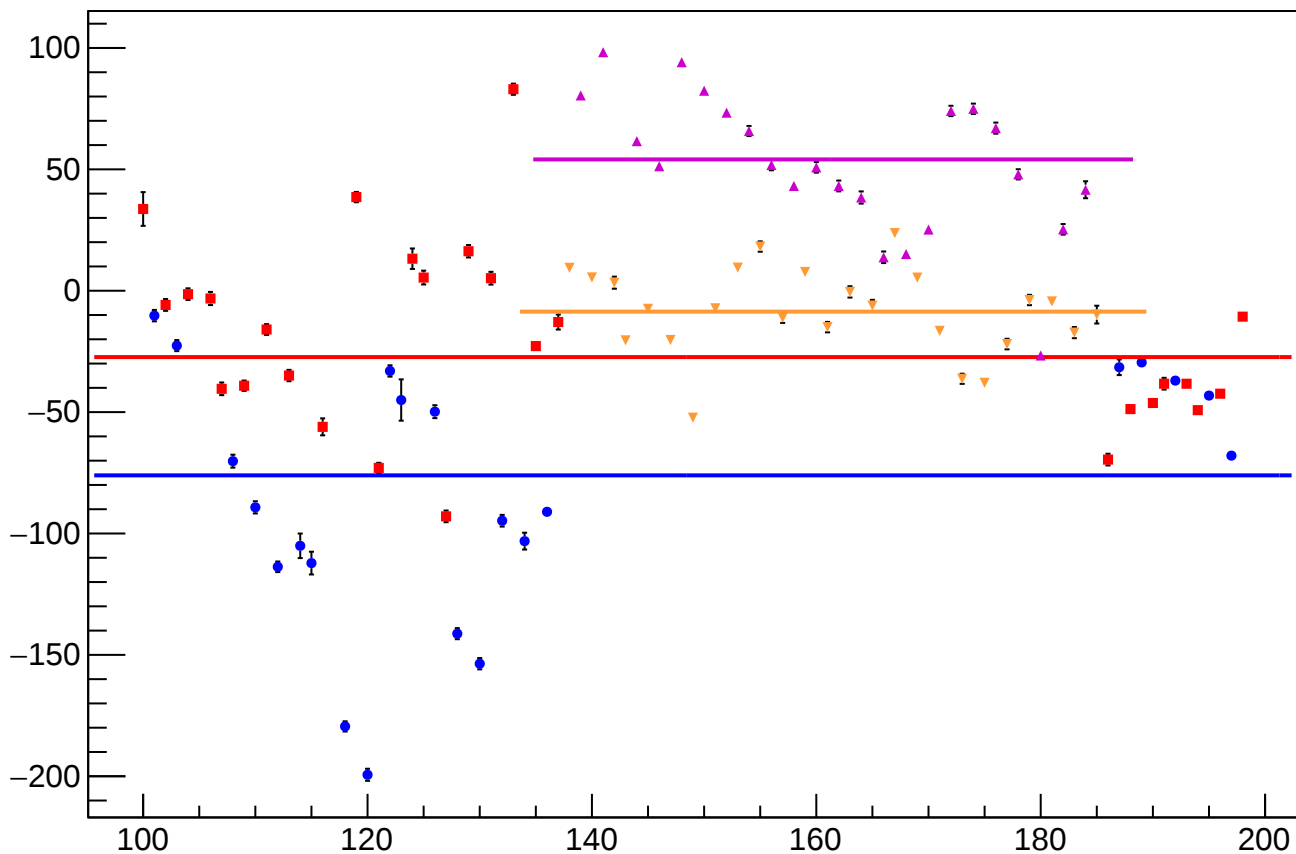
Right: 1326.884 $\pm$ 0.202 χ^2 /NDF: 932507.4/48

In: 1355.291 $\pm$ 0.185 χ^2 /NDF:559060.7/44

Out: 1367.179 $\pm$ 0.176 χ^2 /NDF:720669.4/51

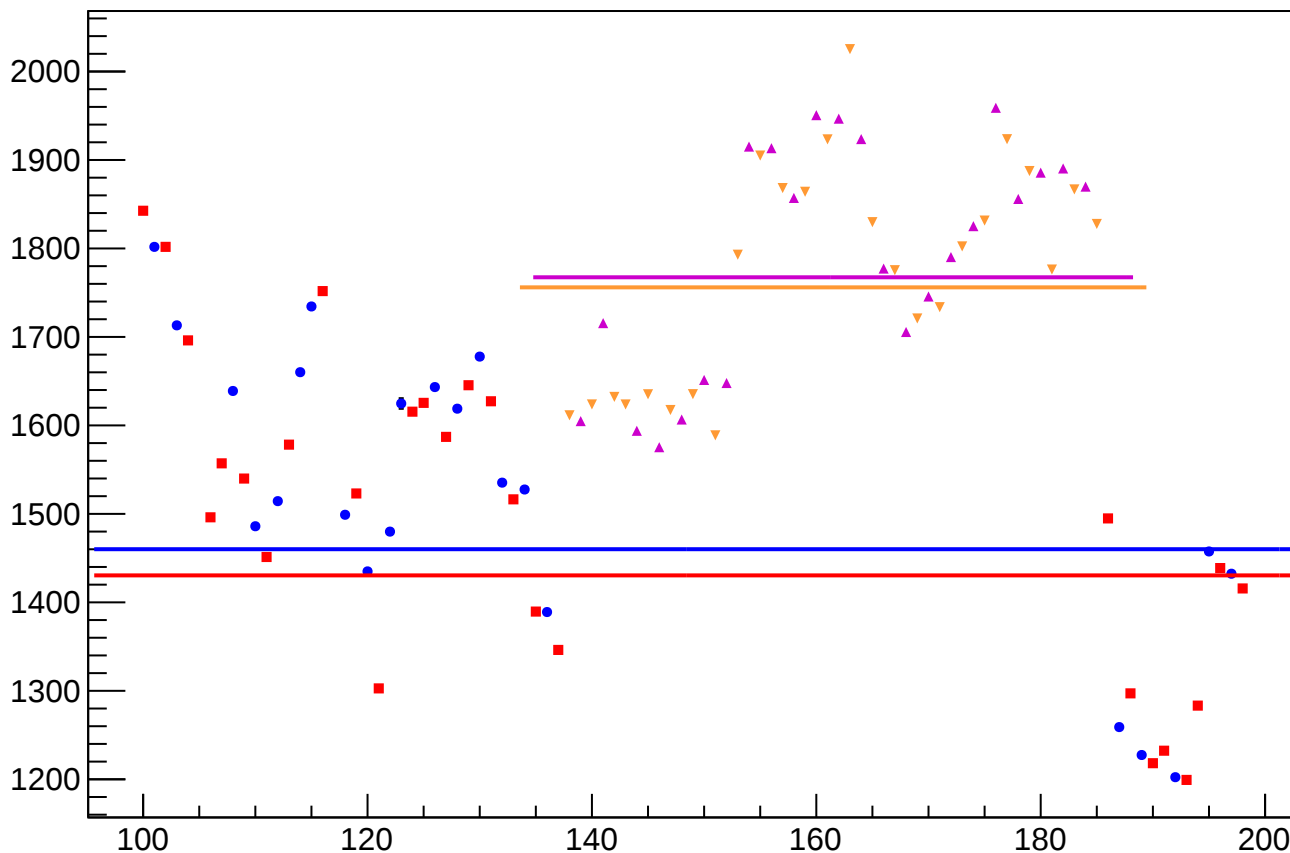
All: 1361.534 $\pm$ 0.127 χ^2 /NDF: 1281901.5/96

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Left: 21.586 ± 0.295 χ^2/NDF : 17900.0/47
 Right: -48.568 ± 0.310 χ^2/NDF : 24400.1/48
 In: -4.661 ± 0.315 χ^2/NDF : 58411.4/44
 Out: -17.917 ± 0.291 χ^2/NDF : 9796.6/51
 All: -11.821 ± 0.214 χ^2/NDF : 69163.1/96

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1460.073 $\pm$ 0.332 χ^2 /NDF: 258951.4/21

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

Right Out: 1430.478 $\pm$ 0.292 χ^2 /NDF: 307717.2/26

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

Left: 1761.512 $\pm$ 0.209 χ^2 /NDF: 364461.2/47

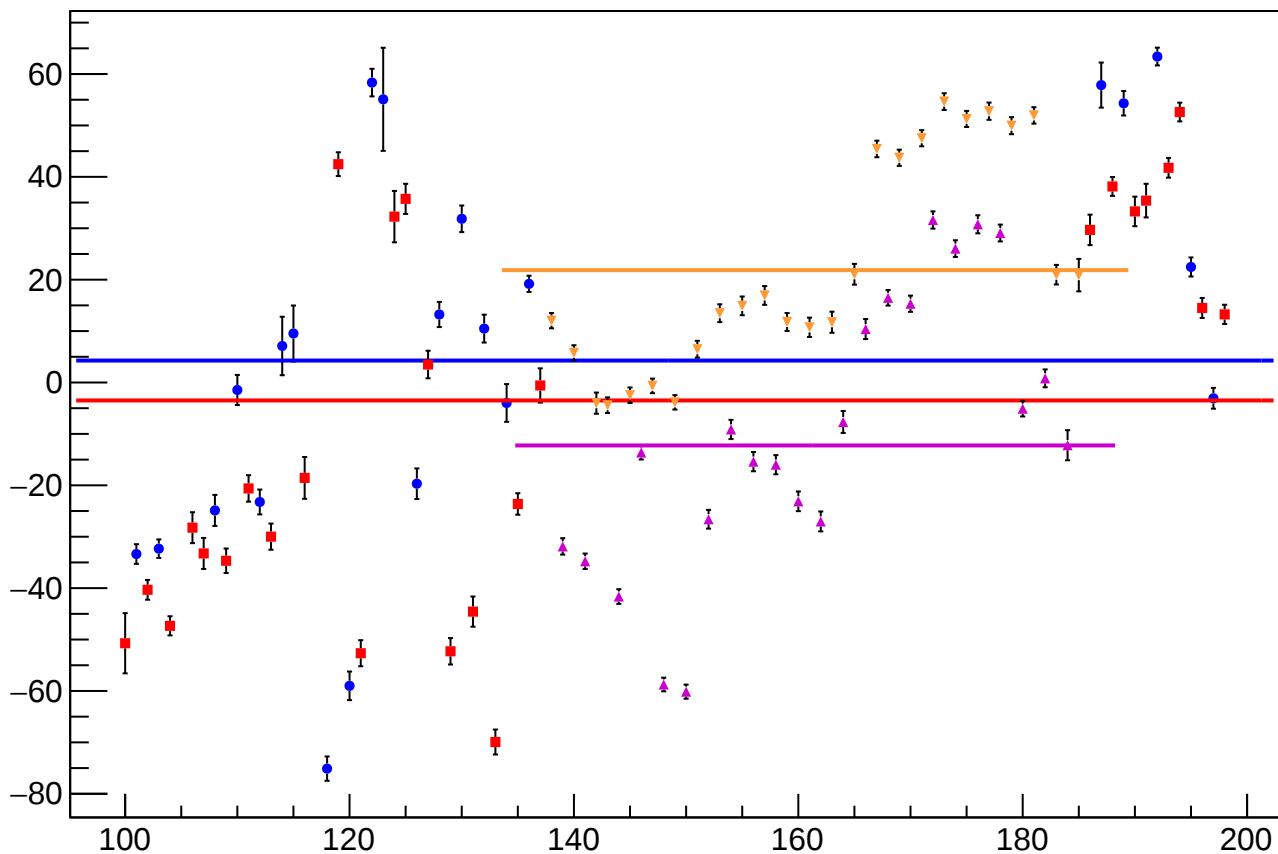
Right: 1443.380 $\pm$ 0.219 χ^2 /NDF: 571157.0/48

In: 1628.667 $\pm$ 0.223 χ^2 /NDF: 917643.2/44

Out: 1594.147 $\pm$ 0.206 χ^2 /NDF: 1109854.1/51

All: 1610.020 $\pm$ 0.151 χ^2 /NDF: 2040451.1/96

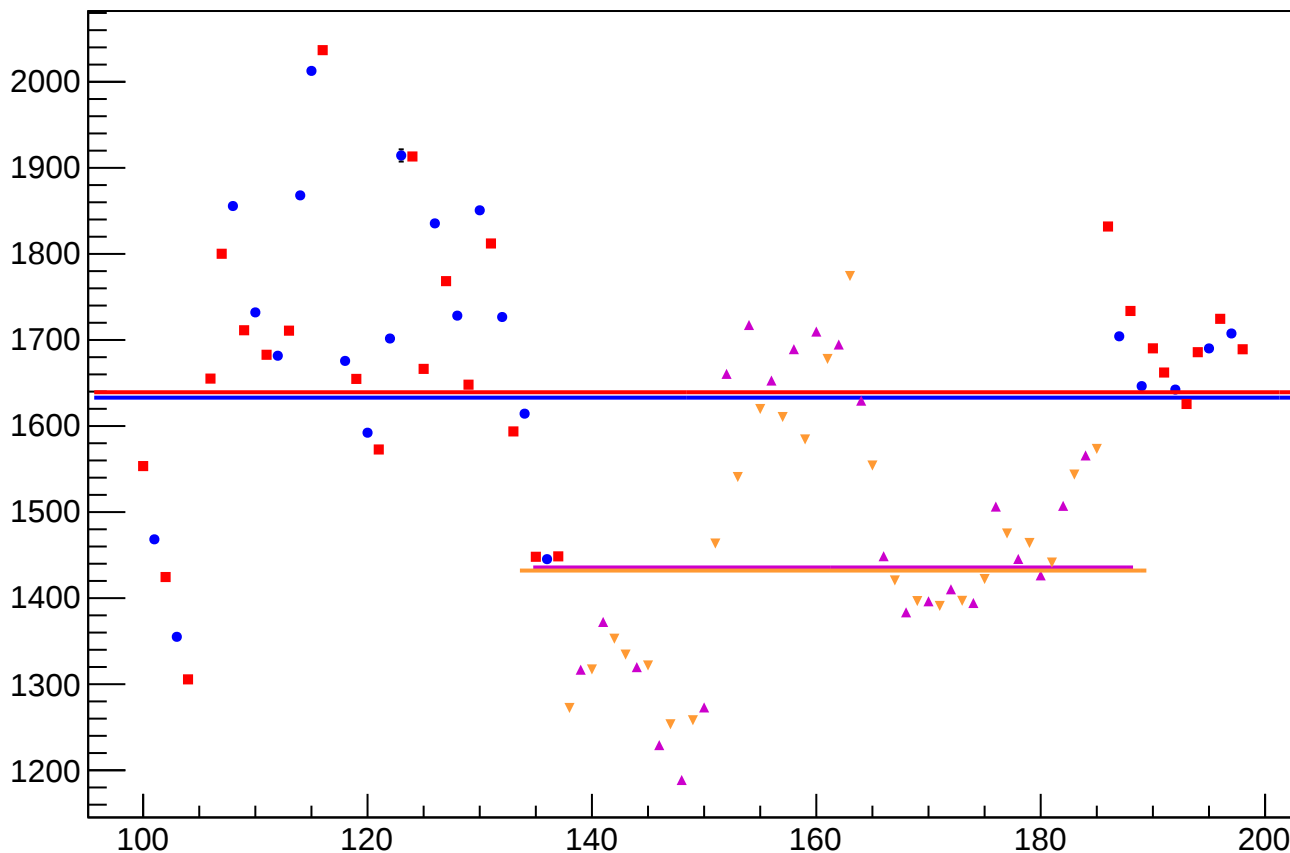
diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: 4.270+/-0.524 χ^2/NDF : 5270.0/21
 Left Out: 21.856+/-0.335 χ^2/NDF :4110.5/24
 Right Out: -3.492+/-0.472 χ^2/NDF : 6506.0/26
 Left In: -12.246+/-0.347 χ^2/NDF :6781.6/22

Left: 5.391+/-0.241 χ^2/NDF : 15885.7/47
 Right: -0.017+/-0.351 χ^2/NDF : 11897.2/48
 In: -7.211+/-0.289 χ^2/NDF :12742.1/44
 Out: 13.350+/-0.273 χ^2/NDF :12533.9/51
 All: 3.655+/-0.199 χ^2/NDF : 27944.3/96

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1632.990 ± 0.371 $\chi^2/\text{NDF}: 155995.8/21$

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

Right Out: 1639.257 ± 0.334 $\chi^2/\text{NDF}: 182789.5/26$

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

Left: 1433.791 ± 0.171 $\chi^2/\text{NDF}: 718305.7/47$

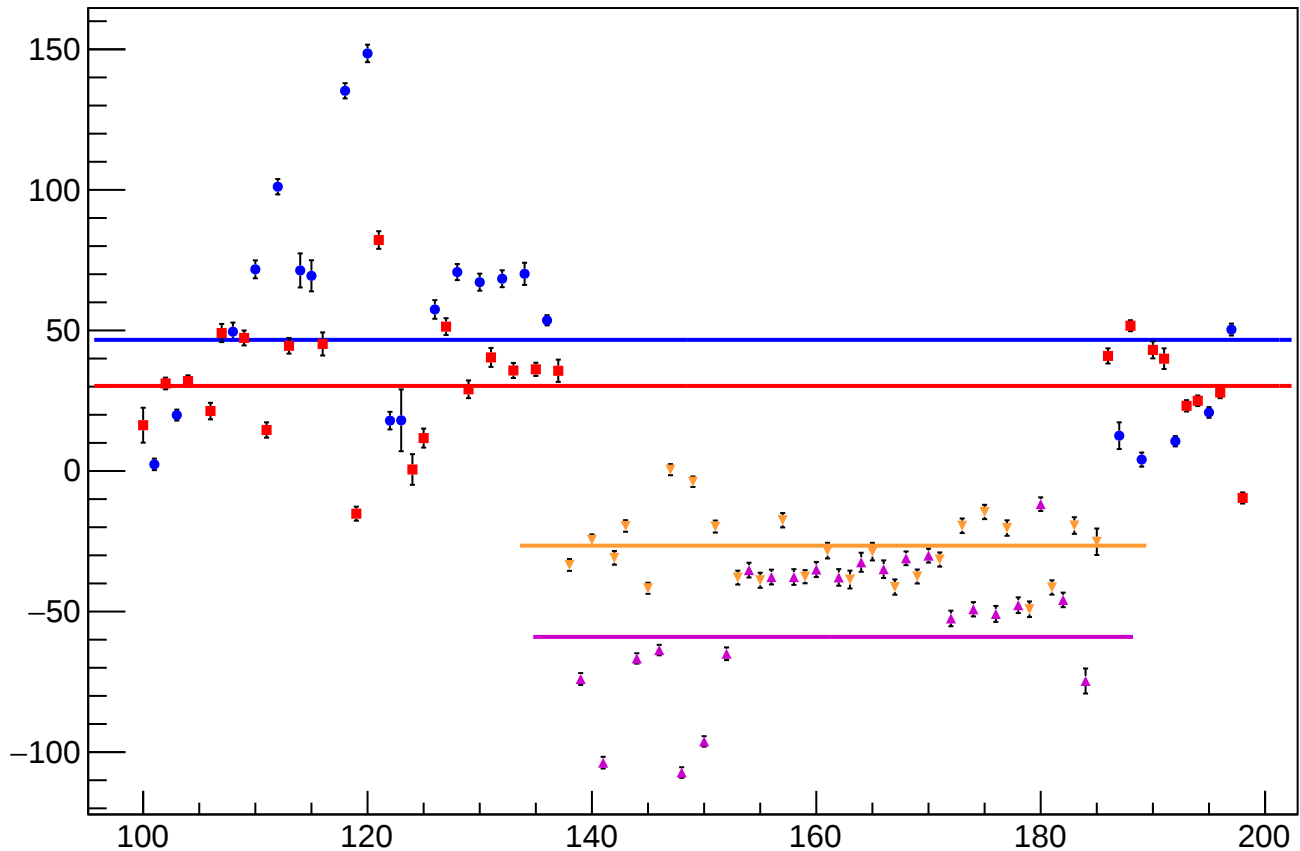
Right: 1636.451 ± 0.248 $\chi^2/\text{NDF}: 338943.2/48$

In: 1495.813 ± 0.205 $\chi^2/\text{NDF}: 773994.1/44$

Out: 1501.583 ± 0.193 $\chi^2/\text{NDF}: 736378.9/51$

All: 1498.862 ± 0.140 $\chi^2/\text{NDF}: 1510793.3/96$

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 46.652 ± 0.574 χ^2/NDF : 4519.7/21

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

Right Out: 30.268 ± 0.509 χ^2/NDF : 1491.0/26

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

Left: -42.178 ± 0.351 χ^2/NDF : 5632.2/47

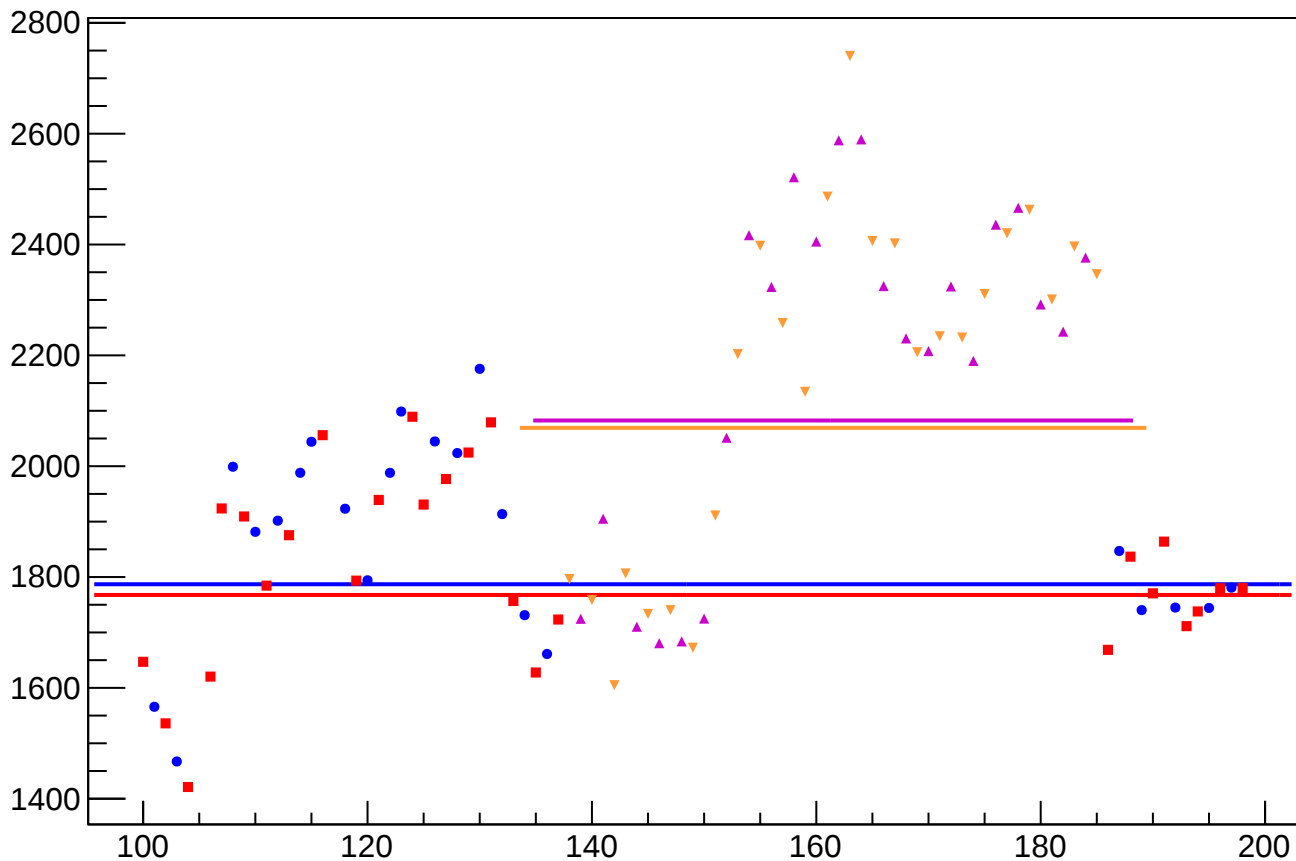
Right: 37.479 ± 0.381 χ^2/NDF : 6467.3/48

In: -12.737 ± 0.380 χ^2/NDF : 26370.2/44

Out: 0.673 ± 0.352 χ^2/NDF : 8708.6/51

All: -5.527 ± 0.258 χ^2/NDF : 35749.4/96

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1786.998 $\pm$ 0.406 χ^2 /NDF: 187550.0/21

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

Right Out: 1767.668 $\pm$ 0.360 χ^2 /NDF: 186636.1/26

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

Left: 2075.572 $\pm$ 0.248 χ^2 /NDF: 1585062.9/47

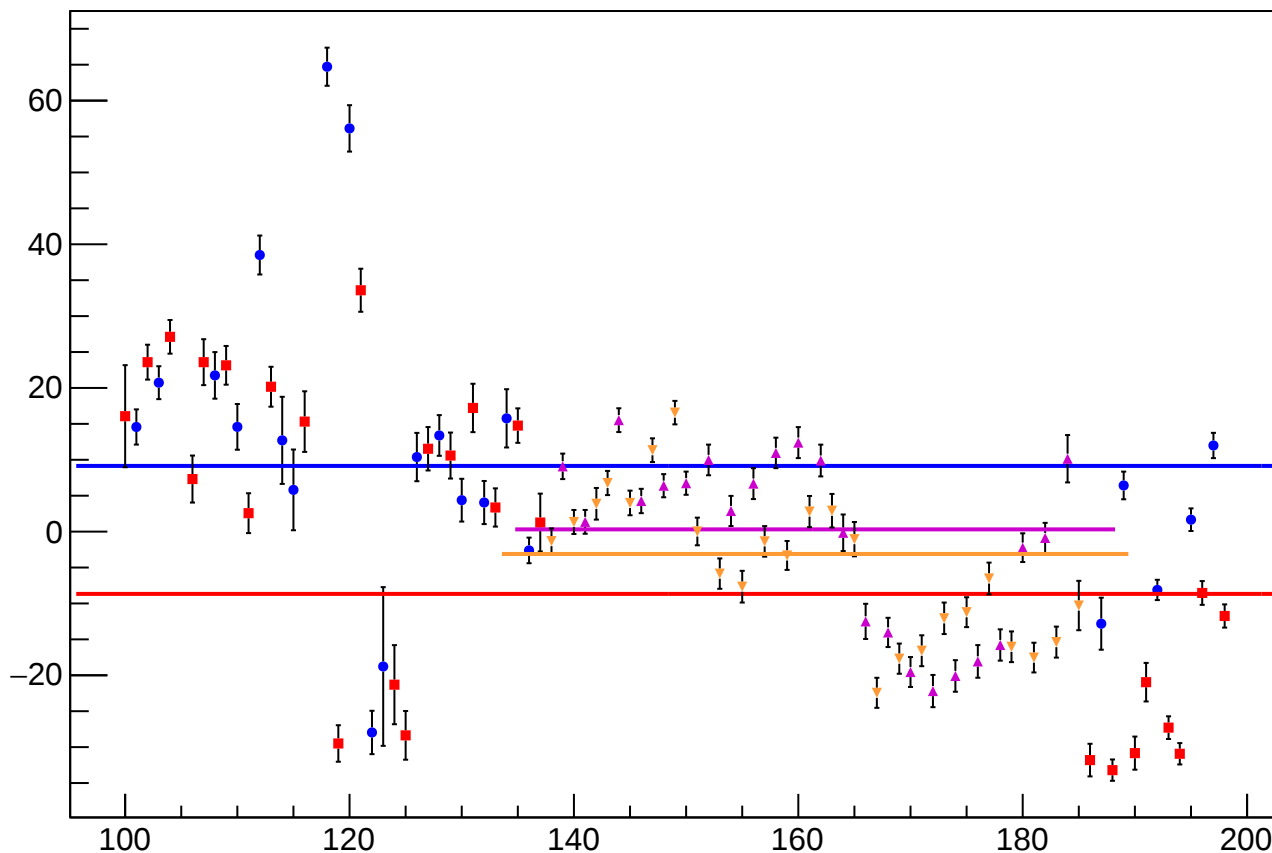
Right: 1776.175 $\pm$ 0.269 χ^2 /NDF: 375457.5/48

In: 1953.081 $\pm$ 0.268 χ^2 /NDF: 1271083.1/44

Out: 1924.691 $\pm$ 0.249 χ^2 /NDF: 1351626.6/51

All: 1937.818 $\pm$ 0.183 χ^2 /NDF: 2628722.1/96

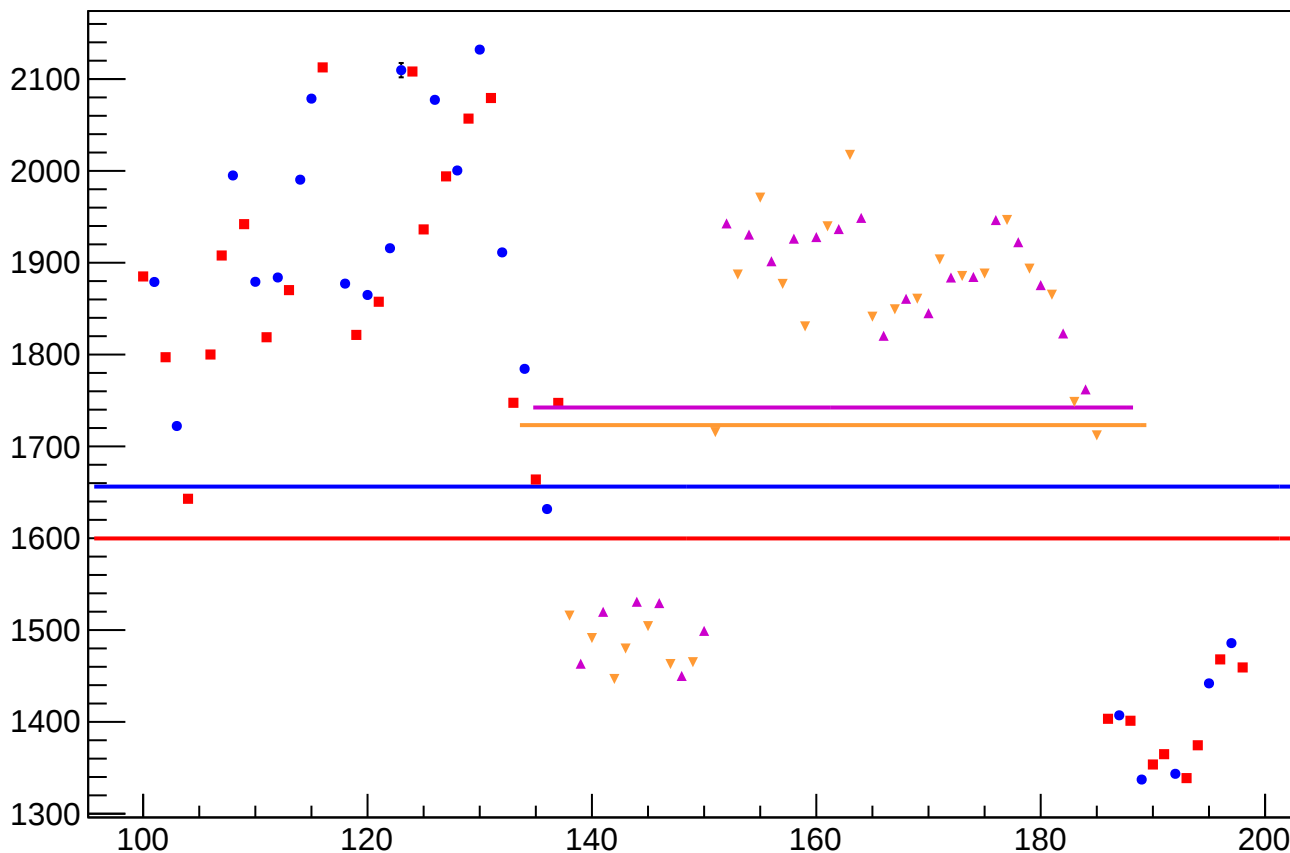
diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 9.146 ± 0.535 $\chi^2/\text{NDF}: 1242.1/21$
 Left Out: -3.112 ± 0.404 $\chi^2/\text{NDF}: 643.7/24$
 Right Out: -8.671 ± 0.464 $\chi^2/\text{NDF}: 2267.4/26$
 Left In: 0.312 ± 0.421 $\chi^2/\text{NDF}: 736.5/22$

Left: -1.470 ± 0.292 $\chi^2/\text{NDF}: 1414.7/47$
 Right: -1.034 ± 0.351 $\chi^2/\text{NDF}: 4142.1/48$
 In: 3.688 ± 0.331 $\chi^2/\text{NDF}: 2146.8/44$
 Out: -5.512 ± 0.305 $\chi^2/\text{NDF}: 2992.8/51$
 All: -1.292 ± 0.224 $\chi^2/\text{NDF}: 5557.7/96$

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1656.227 $\pm$ 0.379 χ^2 /NDF: 468767.7/21

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

Right Out: 1599.765 $\pm$ 0.328 χ^2 /NDF: 545963.5/26

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

Left: 1732.370 $\pm$ 0.206 χ^2 /NDF: 915443.3/47

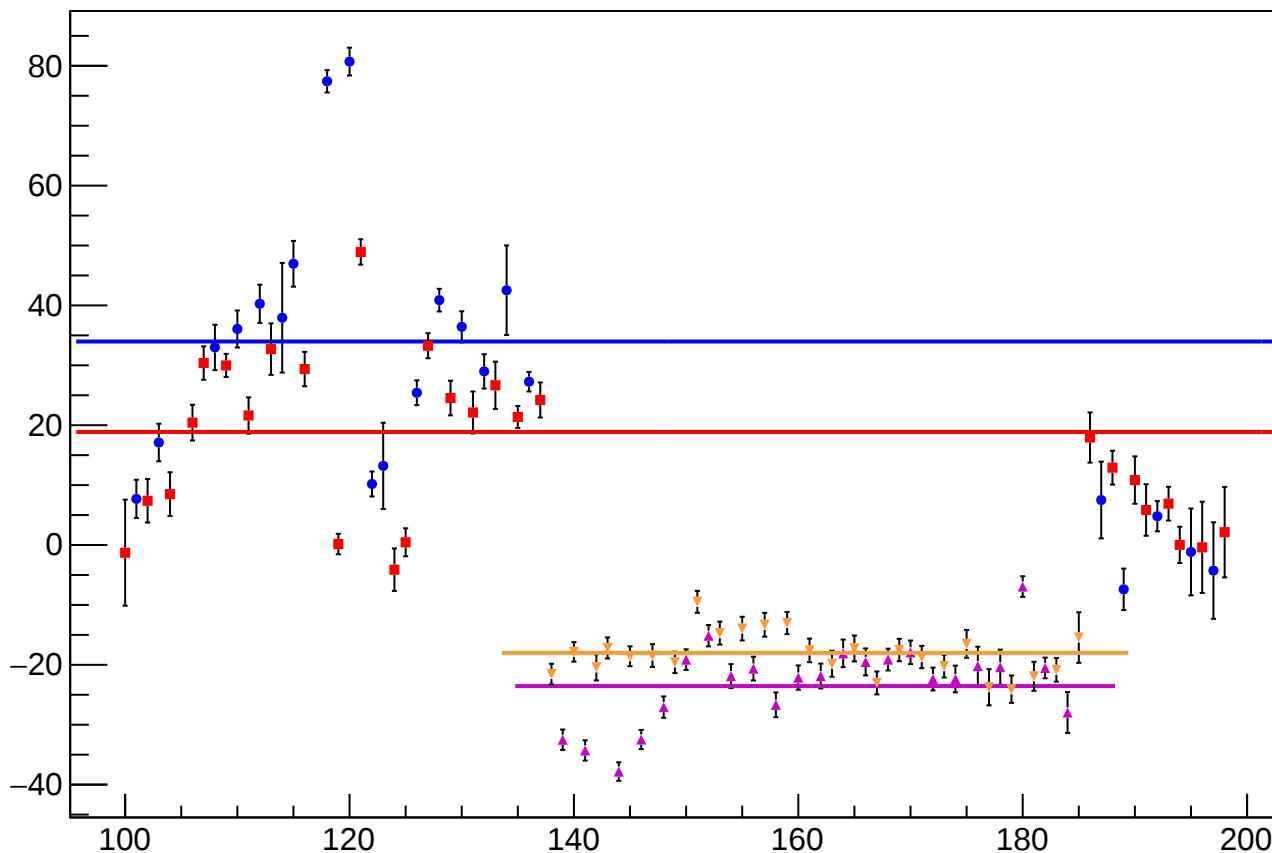
Right: 1623.967 $\pm$ 0.248 χ^2 /NDF: 1027438.3/48

In: 1709.442 $\pm$ 0.234 χ^2 /NDF: 936582.4/44

Out: 1669.889 $\pm$ 0.215 χ^2 /NDF: 1103874.9/51

All: 1688.034 $\pm$ 0.159 χ^2 /NDF: 2055915.7/96

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 33.974 ± 0.603 $\chi^2/\text{NDF}: 1588.8/21$

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

Right Out: 18.872 ± 0.554 $\chi^2/\text{NDF}: 670.3/26$

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

Left: -20.714 ± 0.284 $\chi^2/\text{NDF}: 515.7/47$

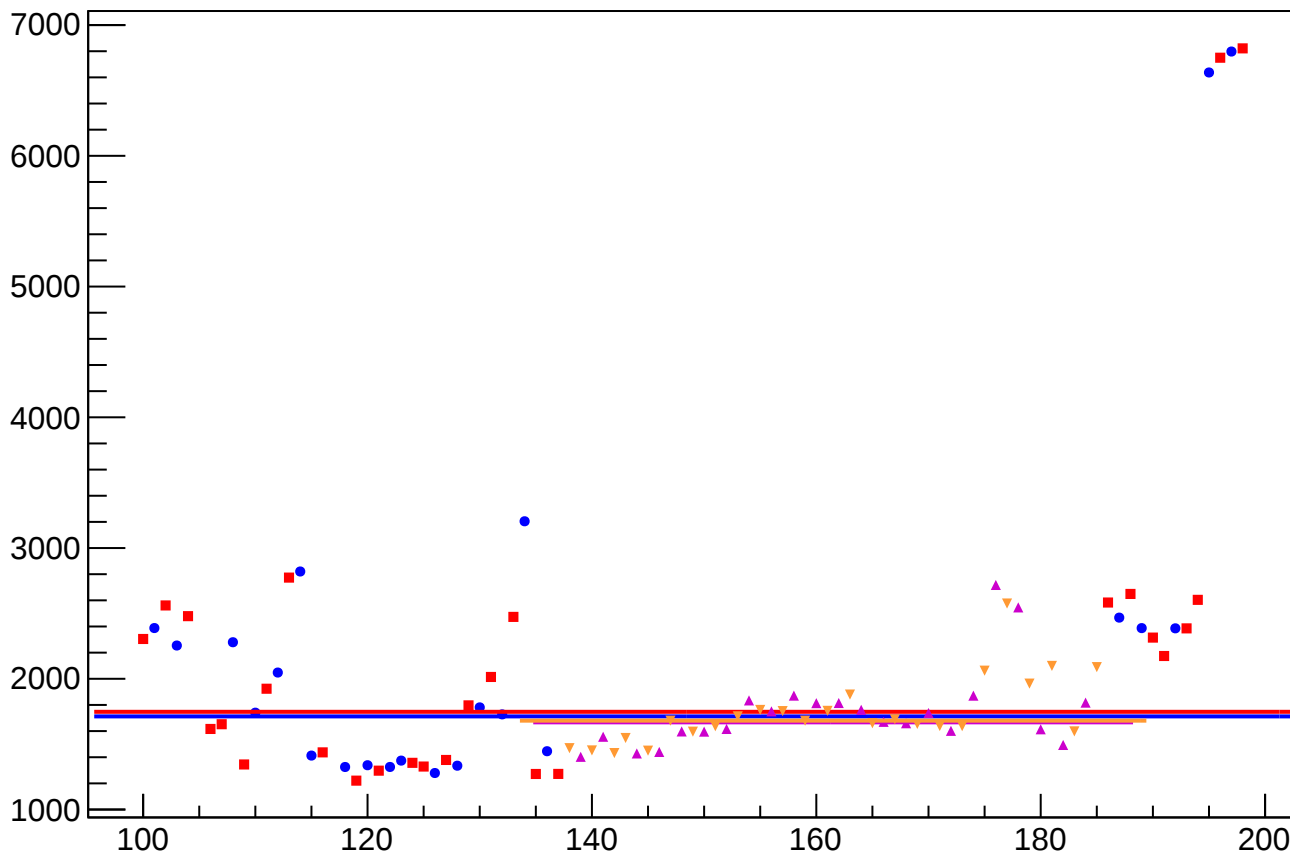
Right: 25.783 ± 0.408 $\chi^2/\text{NDF}: 2599.3/48$

In: -5.619 ± 0.337 $\chi^2/\text{NDF}: 8200.9/44$

Out: -5.501 ± 0.322 $\chi^2/\text{NDF}: 3675.1/51$

All: -5.557 ± 0.233 $\chi^2/\text{NDF}: 11876.2/96$

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1712.327+/-0.426 χ^2/NDF : 2737461.0/21

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

Right Out: 1747.487+/-0.392 χ^2/NDF : 3494793.6/26

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

Left: 1673.462+/-0.201 χ^2/NDF : 1174835.7/47

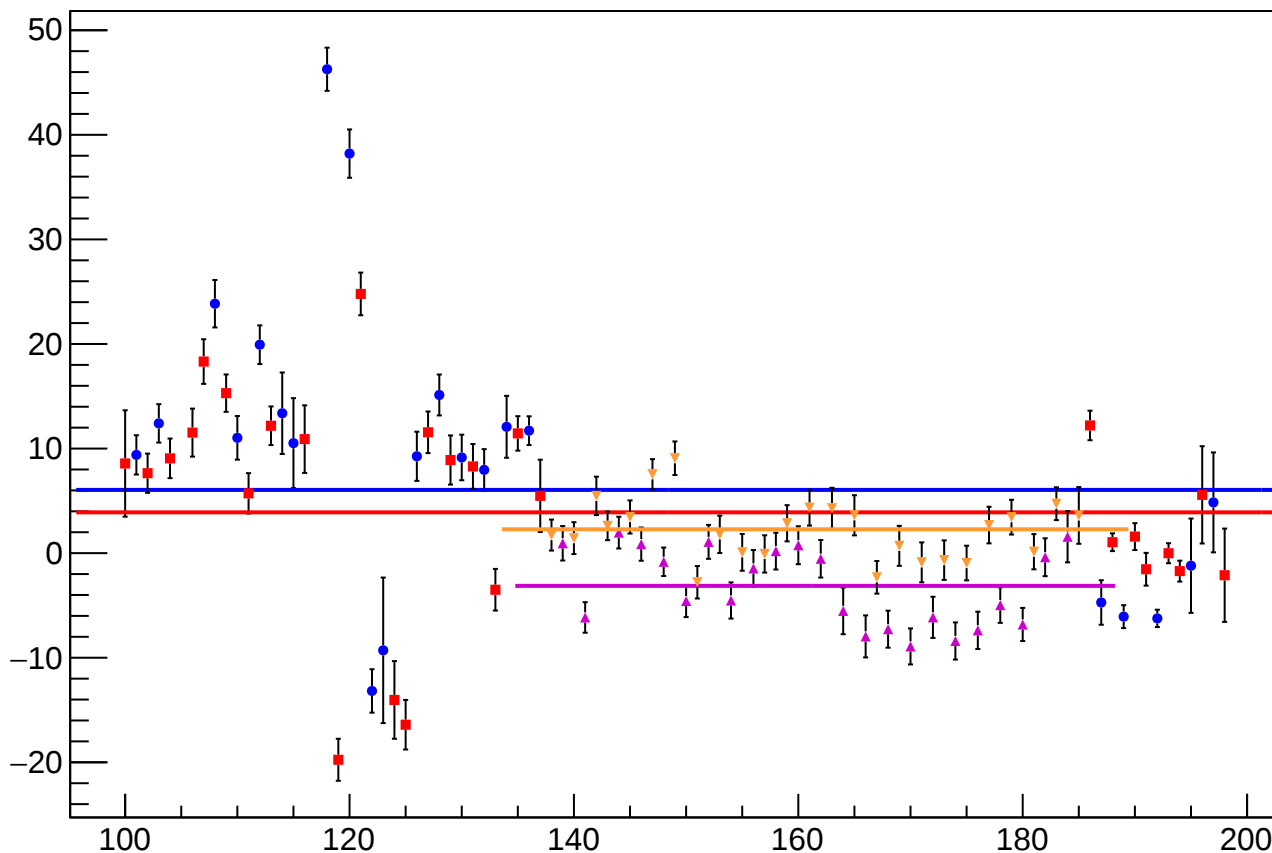
Right: 1731.397+/-0.288 χ^2/NDF : 6235944.1/48

In: 1681.001+/-0.238 χ^2/NDF : 3396295.9/44

Out: 1702.764+/-0.228 χ^2/NDF : 4037327.5/51

All: 1692.347+/-0.165 χ^2/NDF : 7437983.1/96

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 6.048 $\pm$ 0.400 χ^2/NDF : 1224.6/21

Left Out: 2.280 $\pm$ 0.338 χ^2/NDF : 75.6/24

Right Out: 3.902 $\pm$ 0.330 χ^2/NDF : 645.5/26

Left In: -3.129 $\pm$ 0.358 χ^2/NDF : 103.4/22

Left: -0.274 $\pm$ 0.246 χ^2/NDF : 299.7/47

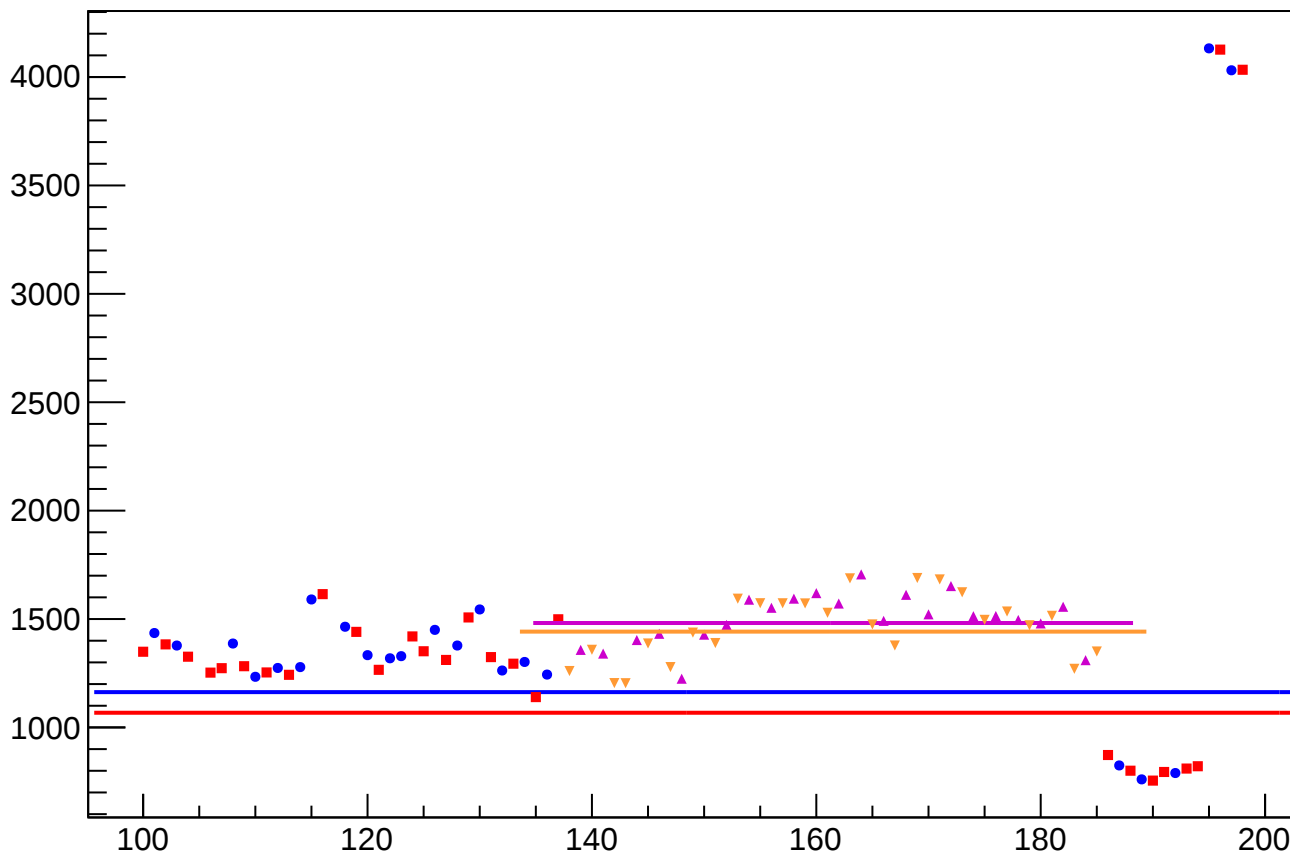
Right: 4.771 $\pm$ 0.255 χ^2/NDF : 1887.2/48

In: 0.944 $\pm$ 0.267 χ^2/NDF : 1620.1/44

Out: 3.110 $\pm$ 0.236 χ^2/NDF : 732.8/51

All: 2.158 $\pm$ 0.177 χ^2/NDF : 2389.9/96

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1162.856 $\pm$ 0.283 χ^2 /NDF: 2630601.8/21

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

Right Out: 1067.719 $\pm$ 0.234 χ^2 /NDF: 3009547.3/26

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

Left: 1460.716 $\pm$ 0.174 χ^2 /NDF: 592125.7/47

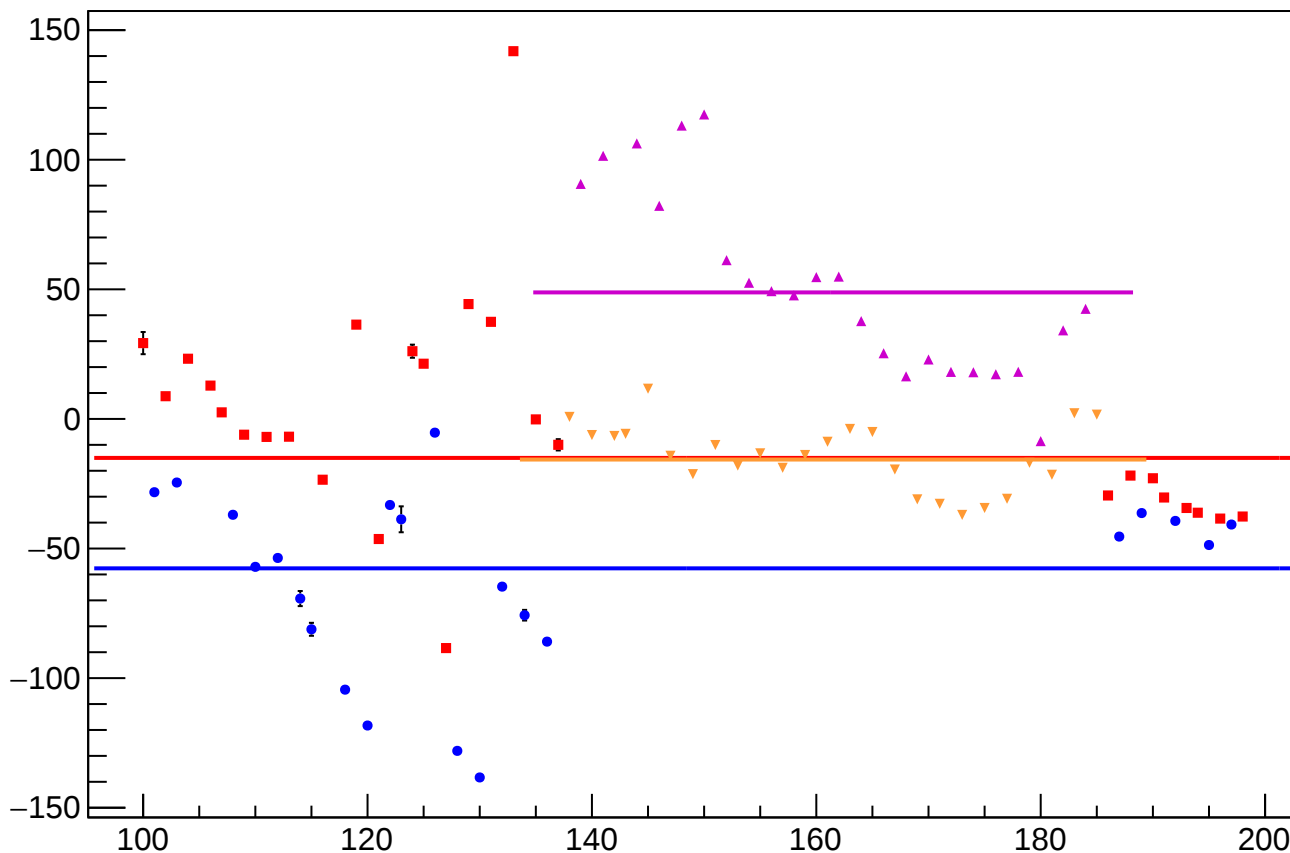
Right: 1106.240 $\pm$ 0.180 χ^2 /NDF: 5707339.9/48

In: 1340.208 $\pm$ 0.189 χ^2 /NDF: 3544473.4/44

Out: 1250.380 $\pm$ 0.167 χ^2 /NDF: 4633422.9/51

All: 1289.882 $\pm$ 0.125 χ^2 /NDF: 8304977.9/96

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -57.646 ± 0.259 $\chi^2/\text{NDF}: 15245.8/21$

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

Right Out: -15.038 ± 0.223 $\chi^2/\text{NDF}: 27391.0/26$

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

Left: 15.324 ± 0.152 $\chi^2/\text{NDF}: 73443.2/47$

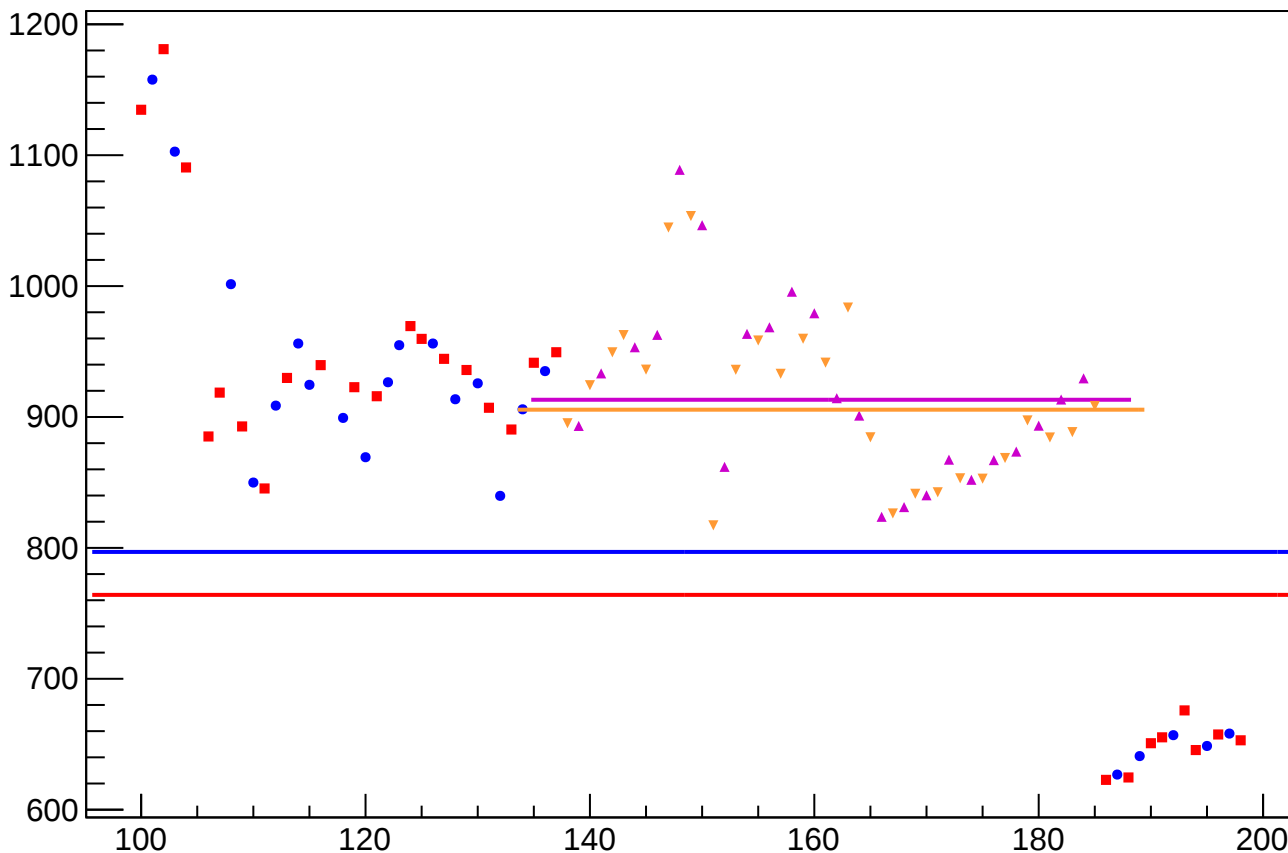
Right: -33.177 ± 0.169 $\chi^2/\text{NDF}: 58161.2/48$

In: 4.254 ± 0.168 $\chi^2/\text{NDF}: 138629.0/44$

Out: -15.369 ± 0.154 $\chi^2/\text{NDF}: 30913.3/51$

All: -6.421 ± 0.113 $\chi^2/\text{NDF}: 176993.6/96$

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 796.920 ± 0.183 χ^2/NDF : 711240.3/21

Left Out: 905.578 ± 0.150 χ^2/NDF : 162073.5/24

Right Out: 764.106 ± 0.158 χ^2/NDF : 917723.3/26

Left In: 913.165 ± 0.155 χ^2/NDF : 174438.8/22

Left: 909.225 ± 0.108 χ^2/NDF : 337749.0/47

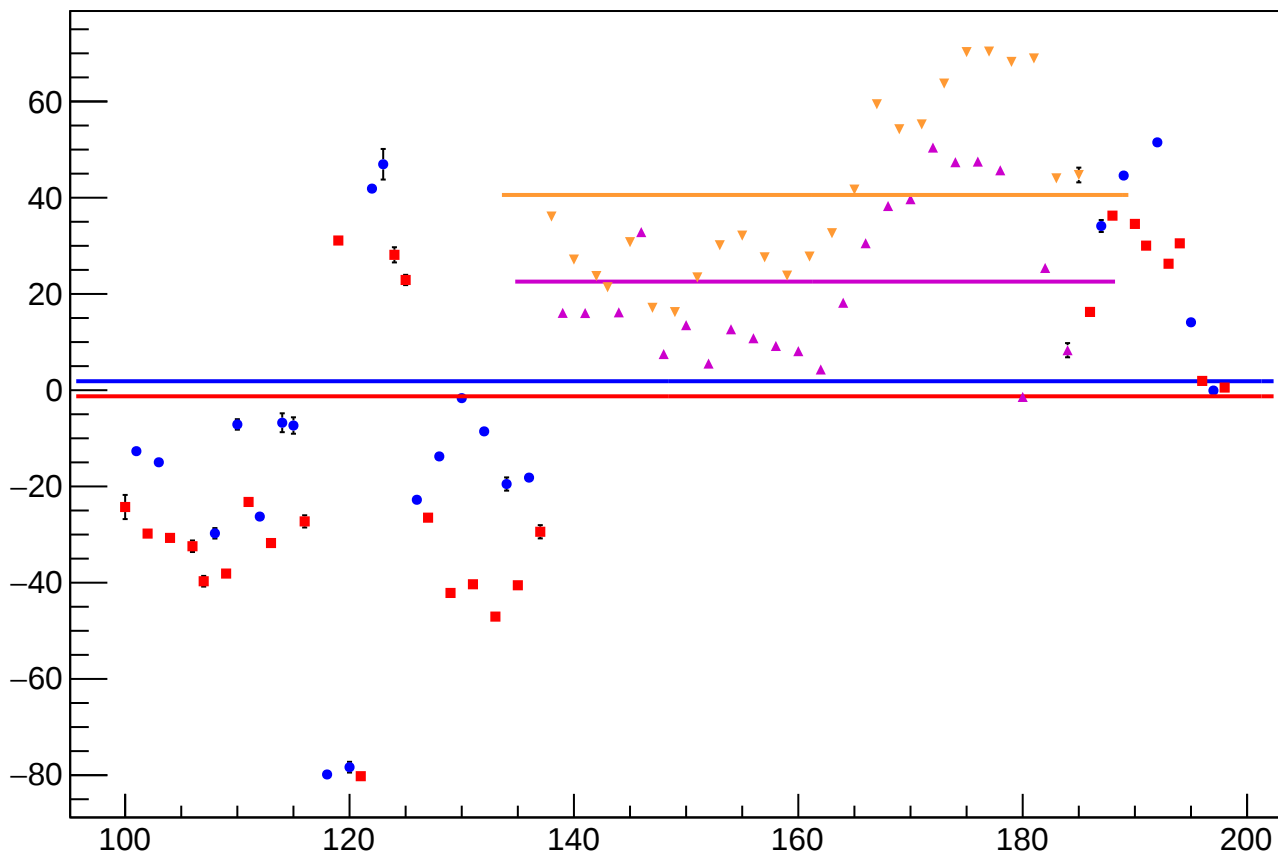
Right: 778.075 ± 0.120 χ^2/NDF : 1647378.9/48

In: 864.510 ± 0.119 χ^2/NDF : 1119663.6/44

Out: 838.618 ± 0.109 χ^2/NDF : 1503283.2/51

All: 850.425 ± 0.080 χ^2/NDF : 2648893.3/96

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.865 ± 0.182 χ^2/NDF : 35131.8/21

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

Right Out: -1.268 ± 0.159 χ^2/NDF : 40925.1/26

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

Left: 31.959 ± 0.121 χ^2/NDF : 25752.7/47

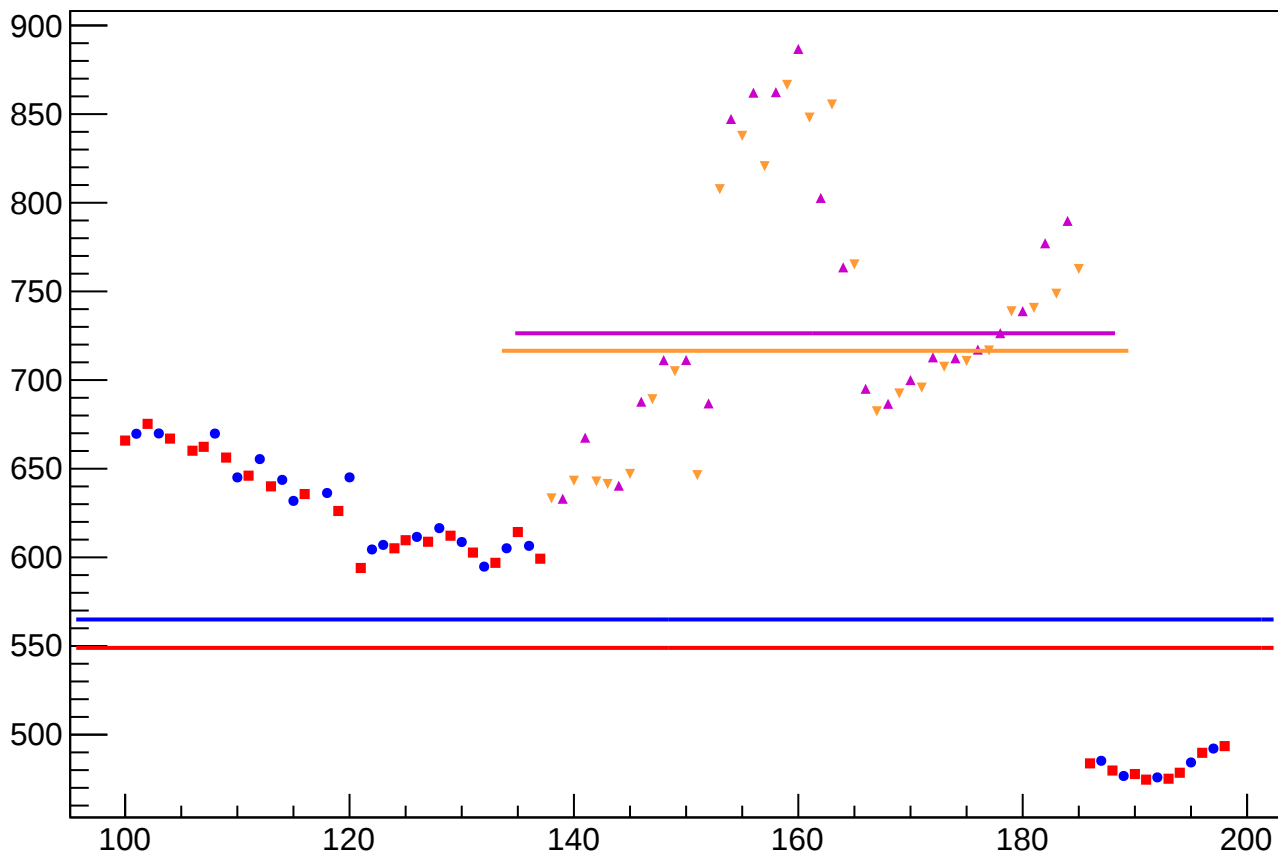
Right: 0.086 ± 0.120 χ^2/NDF : 76225.4/48

In: 12.600 ± 0.126 χ^2/NDF : 50013.7/44

Out: 18.480 ± 0.115 χ^2/NDF : 85818.4/51

All: 15.805 ± 0.085 χ^2/NDF : 137015.0/96

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 564.959+/-0.129 χ^2/NDF : 348297.8/21

Left Out: 716.515+/-0.119 χ^2/NDF : 342740.2/24

Right Out: 548.941+/-0.112 χ^2/NDF : 452631.9/26

Left In: 726.390+/-0.124 χ^2/NDF : 289788.8/22

Left: 721.238+/-0.086 χ^2/NDF : 635840.6/47

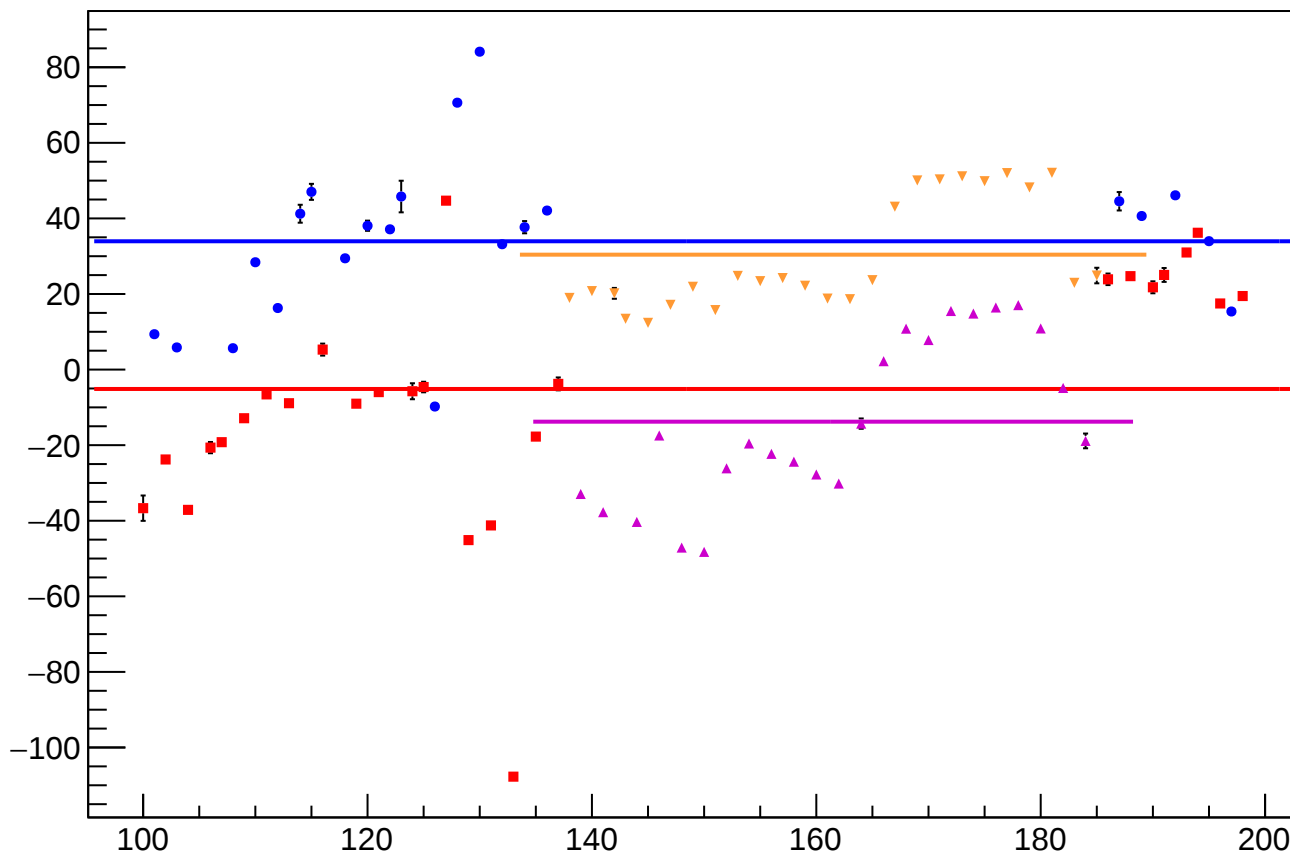
Right: 555.862+/-0.085 χ^2/NDF : 809734.2/48

In: 648.676+/-0.089 χ^2/NDF : 1454748.1/44

Out: 628.033+/-0.082 χ^2/NDF : 1848075.2/51

All: 637.423+/-0.060 χ^2/NDF : 3331982.7/96

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 33.953+/-0.261 χ^2/NDF : 6908.3/21

Left Out: 30.408+/-0.237 χ^2/NDF : 3808.0/24

Right Out: -5.131+/-0.239 χ^2/NDF : 19585.0/26

Left In: -13.787+/-0.246 χ^2/NDF : 7979.7/22

Left: 9.082+/-0.171 χ^2/NDF : 28511.9/47

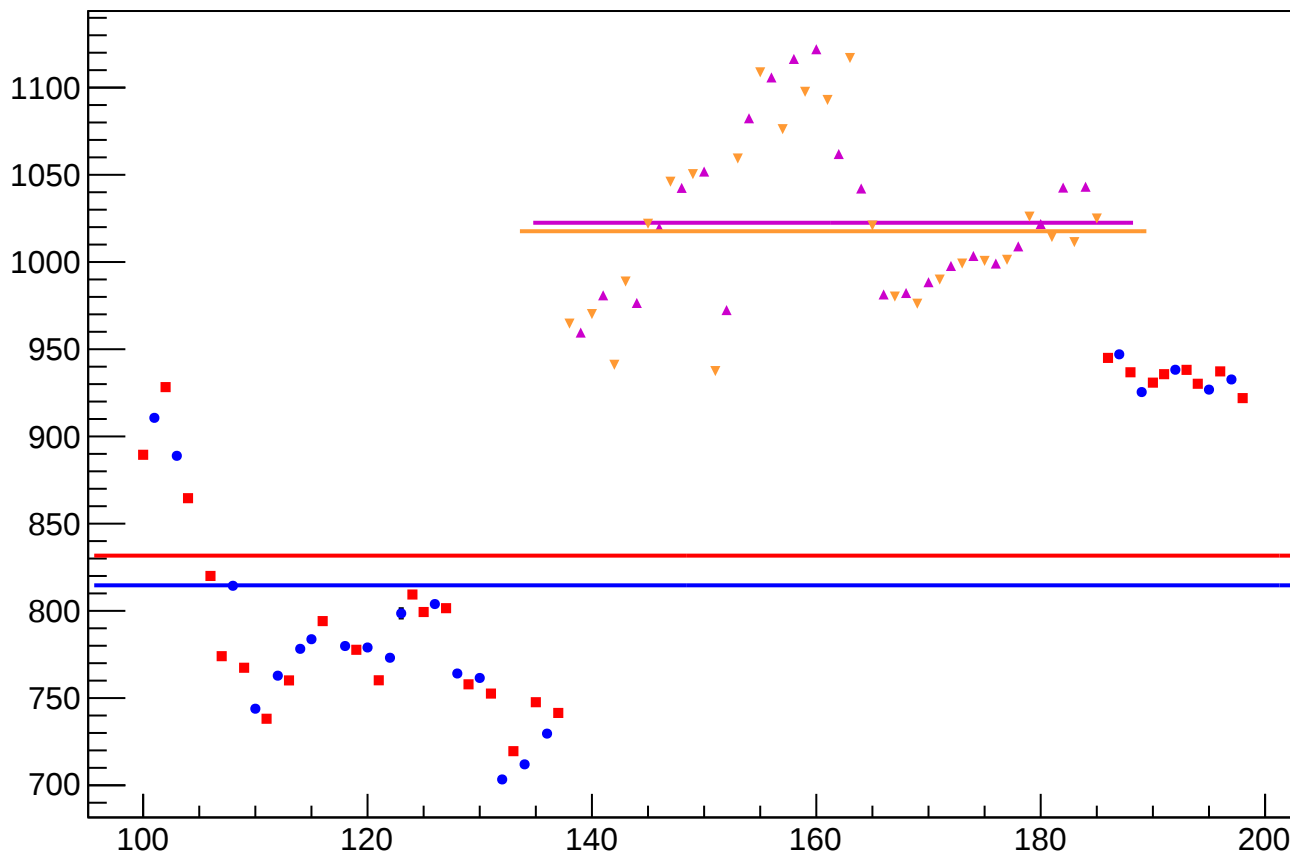
Right: 12.698+/-0.177 χ^2/NDF : 38653.4/48

In: 8.621+/-0.179 χ^2/NDF : 32589.9/44

Out: 12.787+/-0.169 χ^2/NDF : 34505.4/51

All: 10.830+/-0.123 χ^2/NDF : 67382.1/96

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 814.641 ± 0.185 $\chi^2/\text{NDF}: 197726.9/21$

Left Out: 1017.653 ± 0.168 $\chi^2/\text{NDF}: 83612.5/24$

Right Out: 831.667 ± 0.169 $\chi^2/\text{NDF}: 238654.9/26$

Left In: 1022.511 ± 0.174 $\chi^2/\text{NDF}: 69635.5/22$

Left: 1019.997 ± 0.121 $\chi^2/\text{NDF}: 153652.2/47$

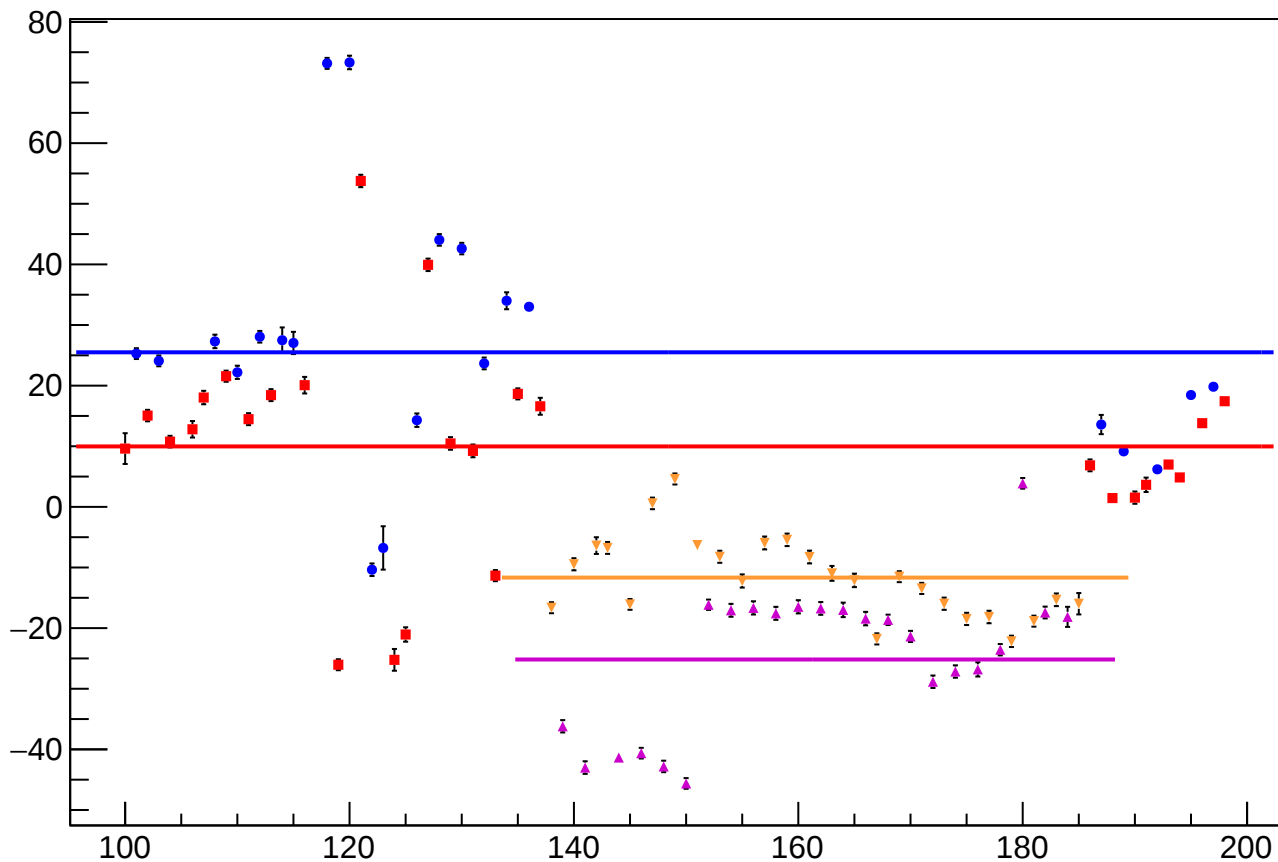
Right: 823.900 ± 0.125 $\chi^2/\text{NDF}: 440997.0/48$

In: 924.940 ± 0.127 $\chi^2/\text{NDF}: 938607.4/44$

Out: 925.435 ± 0.119 $\chi^2/\text{NDF}: 930921.7/51$

All: 925.202 ± 0.087 $\chi^2/\text{NDF}: 1869537.2/96$

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 25.498 ± 0.201 $\chi^2/\text{NDF}: 8477.2/21$

Left Out: -11.664 ± 0.200 $\chi^2/\text{NDF}: 1147.4/24$

Right Out: 9.972 ± 0.181 $\chi^2/\text{NDF}: 6888.6/26$

Left In: -25.174 ± 0.207 $\chi^2/\text{NDF}: 3747.1/22$

Left: -18.184 ± 0.144 $\chi^2/\text{NDF}: 7090.4/47$

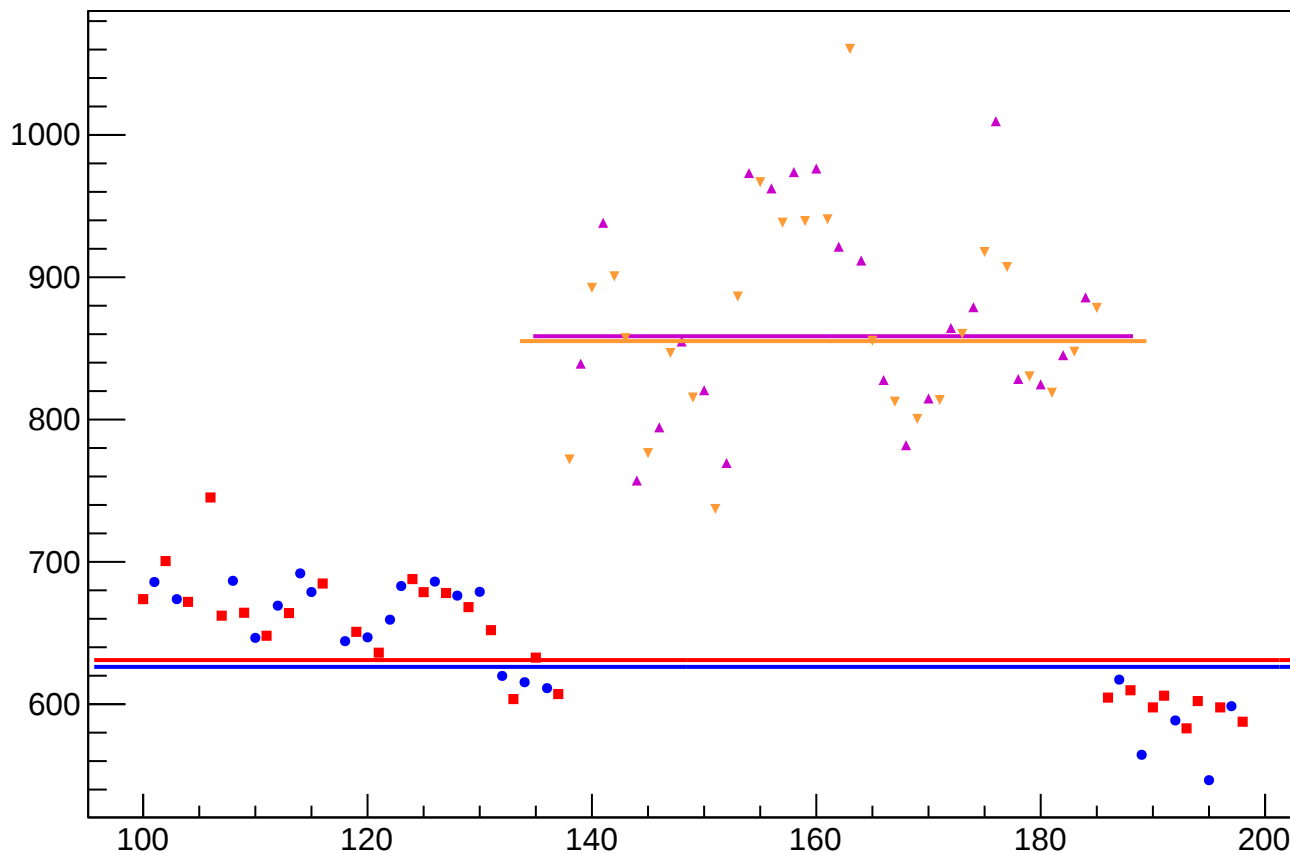
Right: 16.942 ± 0.135 $\chi^2/\text{NDF}: 18660.3/48$

In: 0.978 ± 0.144 $\chi^2/\text{NDF}: 43038.7/44$

Out: 0.232 ± 0.134 $\chi^2/\text{NDF}: 14452.2/51$

All: 0.579 ± 0.098 $\chi^2/\text{NDF}: 57505.3/96$

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 626.196 ± 0.142 $\chi^2/\text{NDF}: 108060.1/21$

Left Out: 855.131 ± 0.142 $\chi^2/\text{NDF}: 233746.7/24$

Right Out: 630.999 ± 0.128 $\chi^2/\text{NDF}: 89344.9/26$

Left In: 858.563 ± 0.147 $\chi^2/\text{NDF}: 239019.8/22$

Left: 856.788 ± 0.102 $\chi^2/\text{NDF}: 473049.9/47$

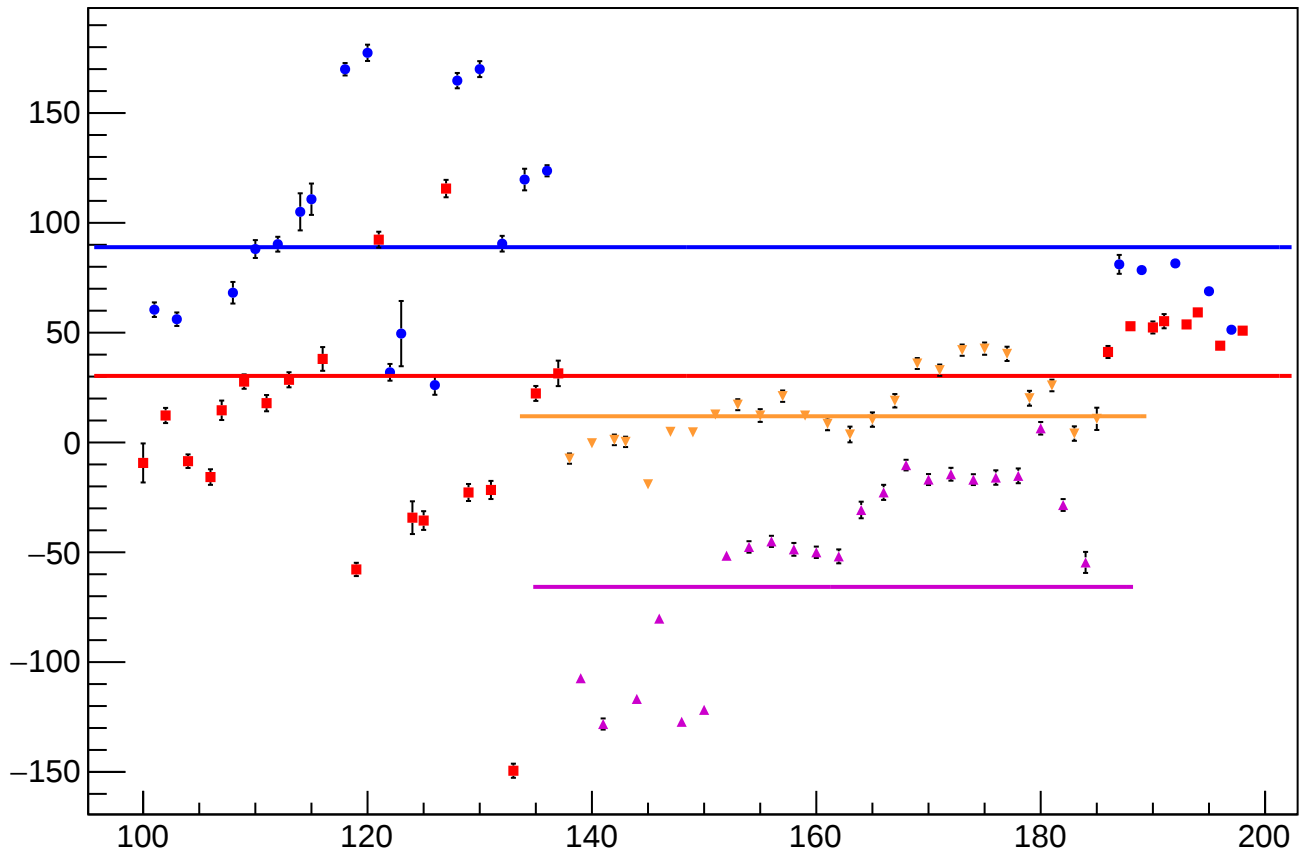
Right: 628.843 ± 0.095 $\chi^2/\text{NDF}: 198035.7/48$

In: 738.640 ± 0.102 $\chi^2/\text{NDF}: 1643071.4/44$

Out: 731.901 ± 0.095 $\chi^2/\text{NDF}: 1700174.9/51$

All: 735.032 ± 0.070 $\chi^2/\text{NDF}: 3345582.4/96$

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 88.921 ± 0.643 $\chi^2/\text{NDF}: 3789.2/21$

Left Out: 11.938 ± 0.505 $\chi^2/\text{NDF}: 976.6/24$

Right Out: 30.307 ± 0.562 $\chi^2/\text{NDF}: 6717.4/26$

Left In: -65.752 ± 0.518 $\chi^2/\text{NDF}: 7335.8/22$

Left: -25.968 ± 0.362 $\chi^2/\text{NDF}: 19845.5/47$

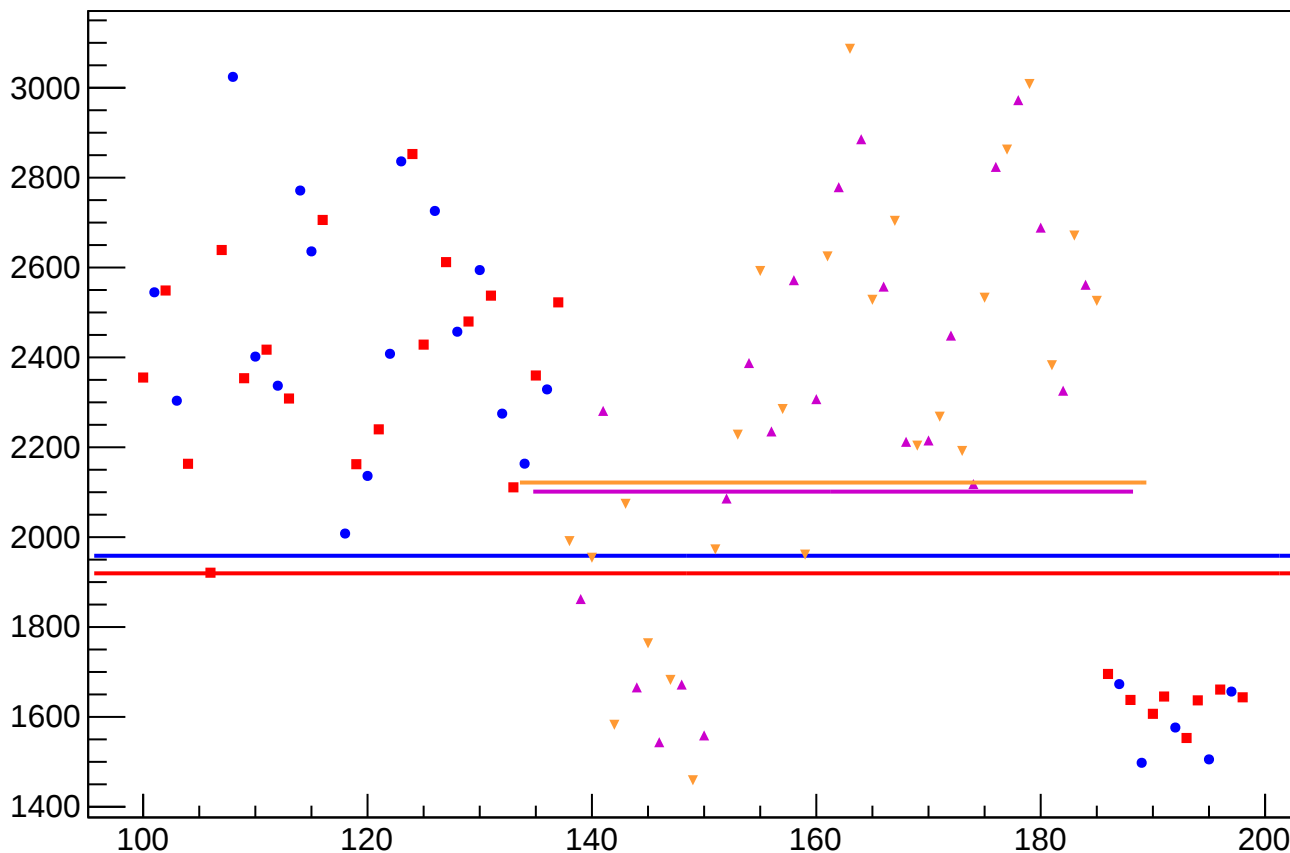
Right: 55.677 ± 0.423 $\chi^2/\text{NDF}: 15216.0/48$

In: -4.950 ± 0.403 $\chi^2/\text{NDF}: 46216.9/44$

Out: 20.151 ± 0.376 $\chi^2/\text{NDF}: 8284.9/51$

All: 8.488 ± 0.275 $\chi^2/\text{NDF}: 56575.6/96$

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 1958.616 ± 0.455 $\chi^2/\text{NDF}: 929259.8/21$

Left Out: 2121.567 ± 0.357 $\chi^2/\text{NDF}: 1387847.6/24$

Right Out: 1919.493 ± 0.397 $\chi^2/\text{NDF}: 894063.0/26$

Left In: 2101.325 ± 0.366 $\chi^2/\text{NDF}: 1360518.3/22$

Left: 2111.691 ± 0.256 $\chi^2/\text{NDF}: 2749931.8/47$

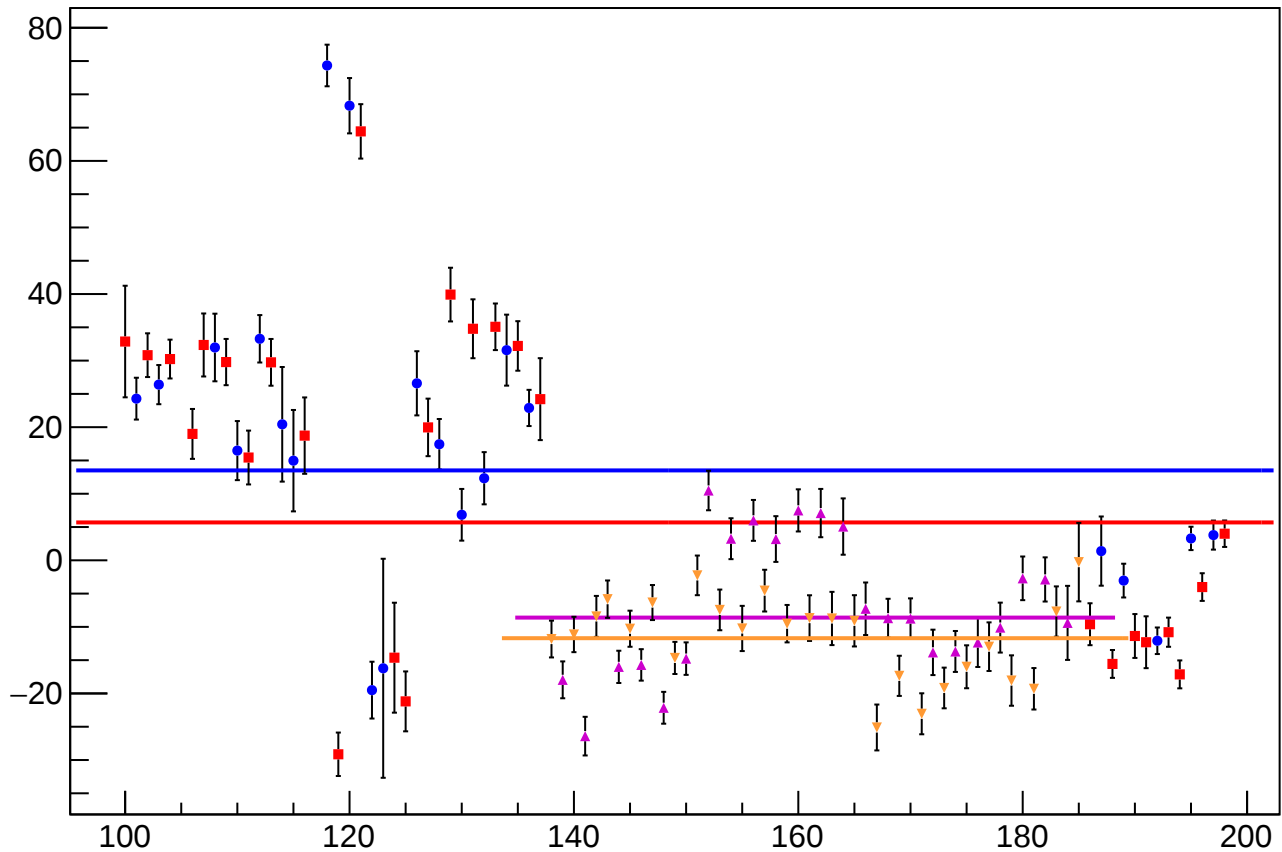
Right: 1936.426 ± 0.299 $\chi^2/\text{NDF}: 1827519.1/48$

In: 2045.226 ± 0.285 $\chi^2/\text{NDF}: 2349525.0/44$

Out: 2031.216 ± 0.266 $\chi^2/\text{NDF}: 2424913.8/51$

All: 2037.726 ± 0.194 $\chi^2/\text{NDF}: 4775730.9/96$

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 13.505 $\pm$ 0.702 χ^2/NDF : 993.0/21

Left Out: -11.700 $\pm$ 0.625 χ^2/NDF : 85.0/24

Right Out: 5.690 $\pm$ 0.624 χ^2/NDF : 1281.3/26

Left In: -8.606 $\pm$ 0.642 χ^2/NDF : 264.2/22

Left: -10.193 $\pm$ 0.448 χ^2/NDF : 361.1/47

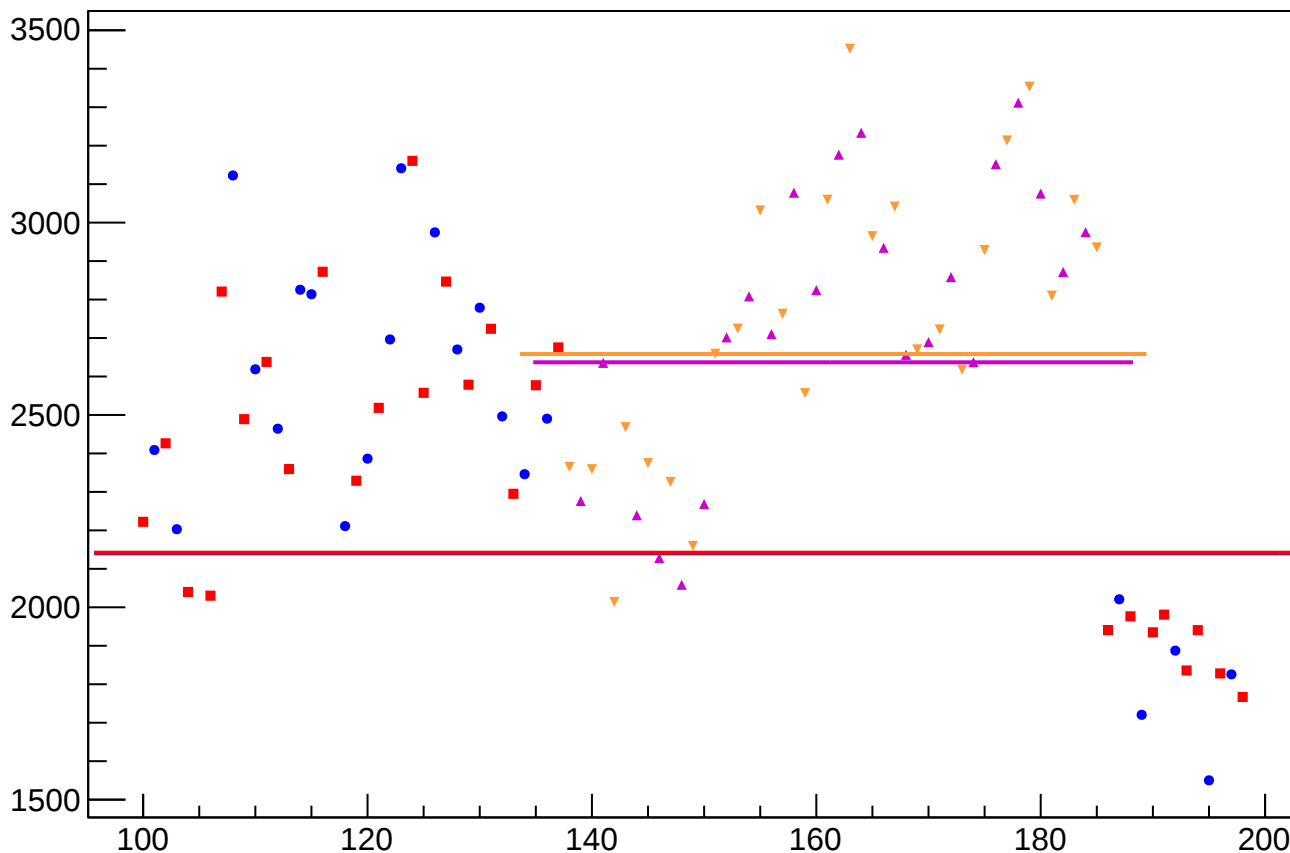
Right: 9.139 $\pm$ 0.466 χ^2/NDF : 2343.5/48

In: 1.460 $\pm$ 0.474 χ^2/NDF : 1797.4/44

Out: -2.987 $\pm$ 0.442 χ^2/NDF : 1753.7/51

All: -0.918 $\pm$ 0.323 χ^2/NDF : 3598.2/96

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2140.578 $\pm$ 0.497 χ^2 /NDF: 769483.4/21

Left Out: 2658.486 $\pm$ 0.442 χ^2 /NDF: 618133.8/24

Right Out: 2141.918 $\pm$ 0.441 χ^2 /NDF: 585322.8/26

Left In: 2636.885 $\pm$ 0.454 χ^2 /NDF: 652894.5/22

Left: 2647.967 $\pm$ 0.317 χ^2 /NDF: 1272190.1/47

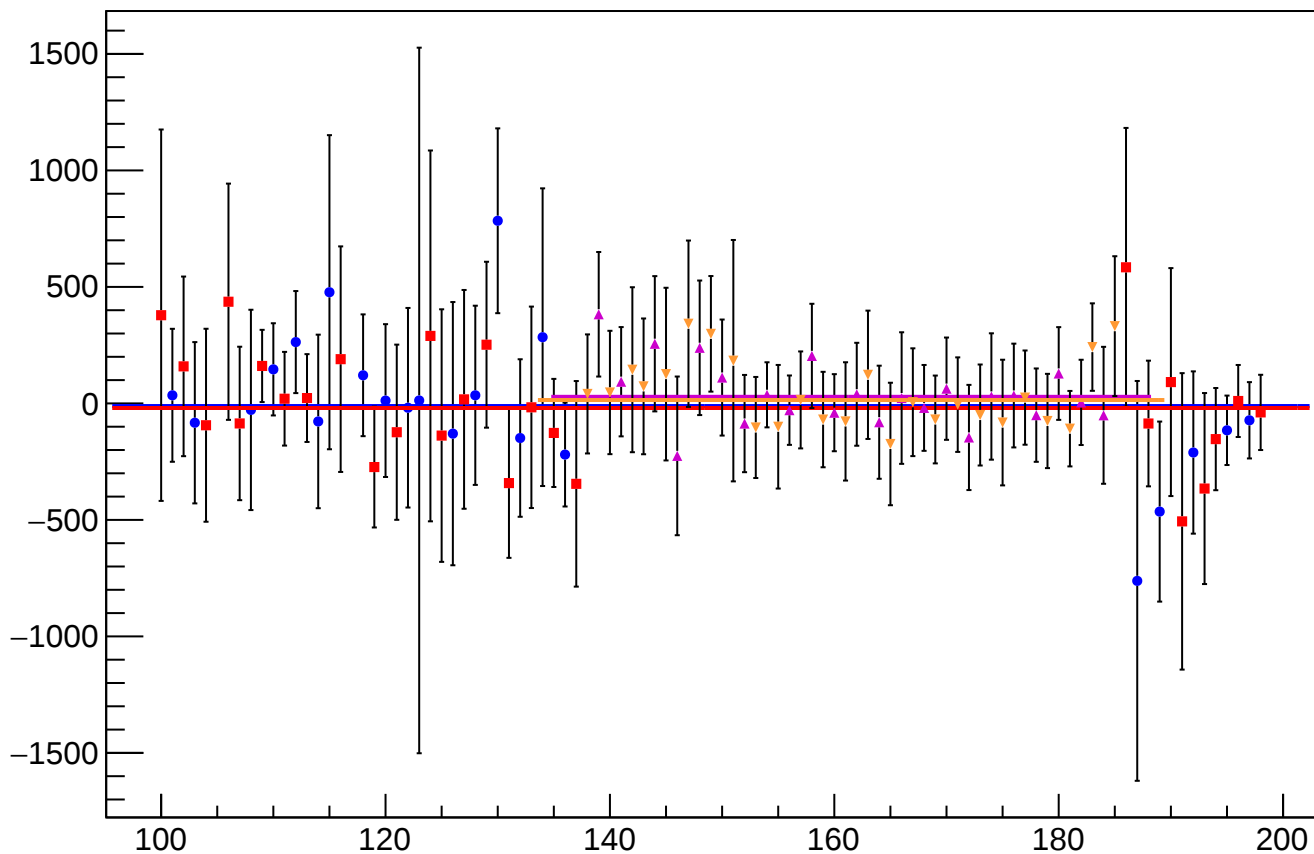
Right: 2141.326 $\pm$ 0.330 χ^2 /NDF: 1354810.3/48

In: 2410.933 $\pm$ 0.335 χ^2 /NDF: 1966662.1/44

Out: 2399.658 $\pm$ 0.312 χ^2 /NDF: 1887041.8/51

All: 2404.902 $\pm$ 0.228 χ^2 /NDF: 3854309.7/96

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -11.304 ± 62.272 $\chi^2/\text{NDF}: 11.5/21$

Left Out: 14.520 ± 47.528 $\chi^2/\text{NDF}: 7.8/24$

Right Out: -19.697 ± 54.696 $\chi^2/\text{NDF}: 9.4/26$

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

Left: 21.847 ± 32.538 $\chi^2/\text{NDF}: 14.1/47$

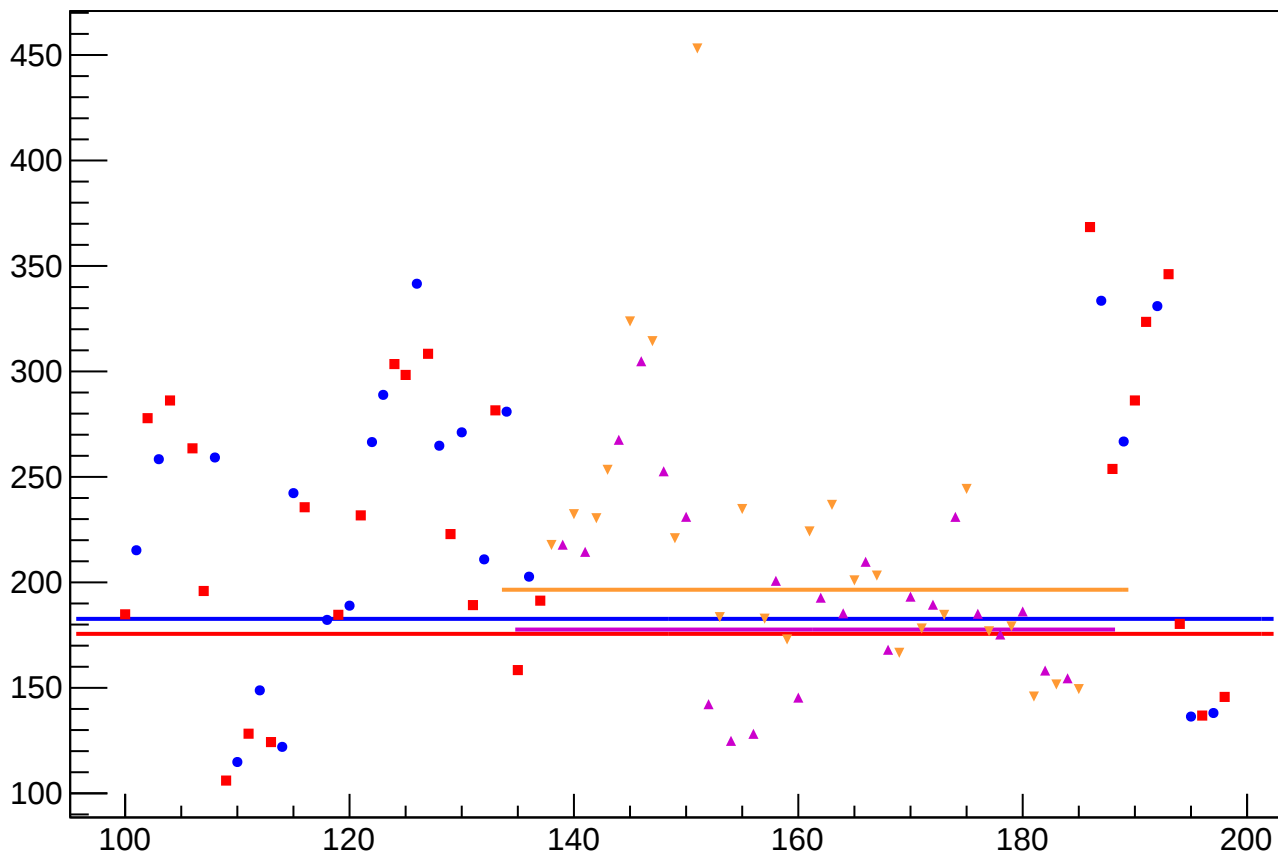
Right: -16.042 ± 41.095 $\chi^2/\text{NDF}: 20.9/48$

In: 14.864 ± 36.280 $\chi^2/\text{NDF}: 18.1/44$

Out: -0.201 ± 35.876 $\chi^2/\text{NDF}: 17.4/51$

All: 7.247 ± 25.510 $\chi^2/\text{NDF}: 35.6/96$

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 182.704 $\pm$ 0.044 χ^2 /NDF: 1910598.5/21

Left Out: 196.514 $\pm$ 0.034 χ^2 /NDF:1789504.4/24

Right Out: 175.597 $\pm$ 0.039 χ^2 /NDF: 2704782.2/26

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

Left: 186.488 $\pm$ 0.023 χ^2 /NDF: 3587689.7/47

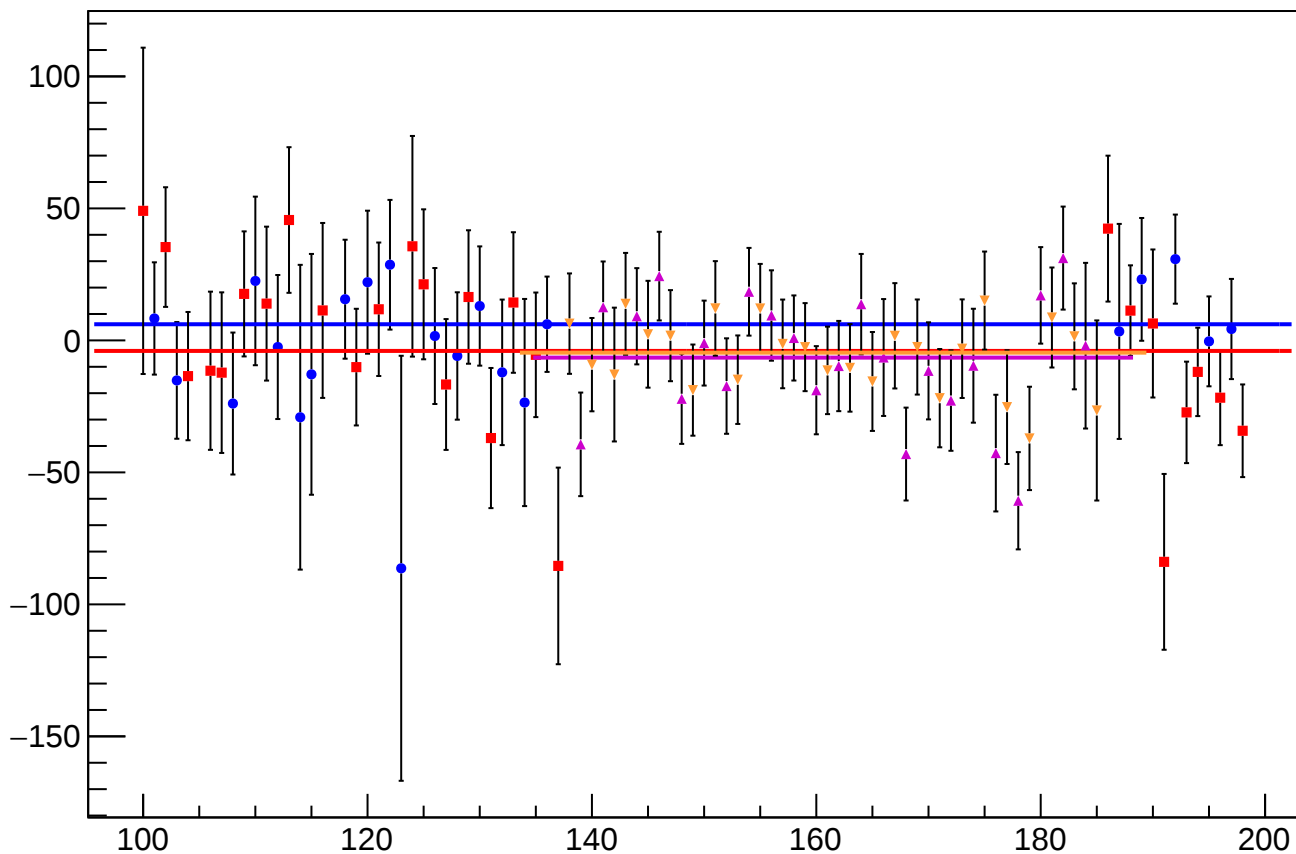
Right: 178.692 $\pm$ 0.029 χ^2 /NDF: 4630084.7/48

In: 179.361 $\pm$ 0.026 χ^2 /NDF:3549988.5/44

Out: 187.515 $\pm$ 0.025 χ^2 /NDF:4660937.6/51

All: 183.484 $\pm$ 0.018 χ^2 /NDF: 8262007.7/96

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.115+/-5.249 χ^2/NDF : 10.0/21

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

Right Out: -3.989+/-4.728 χ^2/NDF : 33.7/26

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

Left: -5.561+/-2.670 χ^2/NDF : 48.6/47

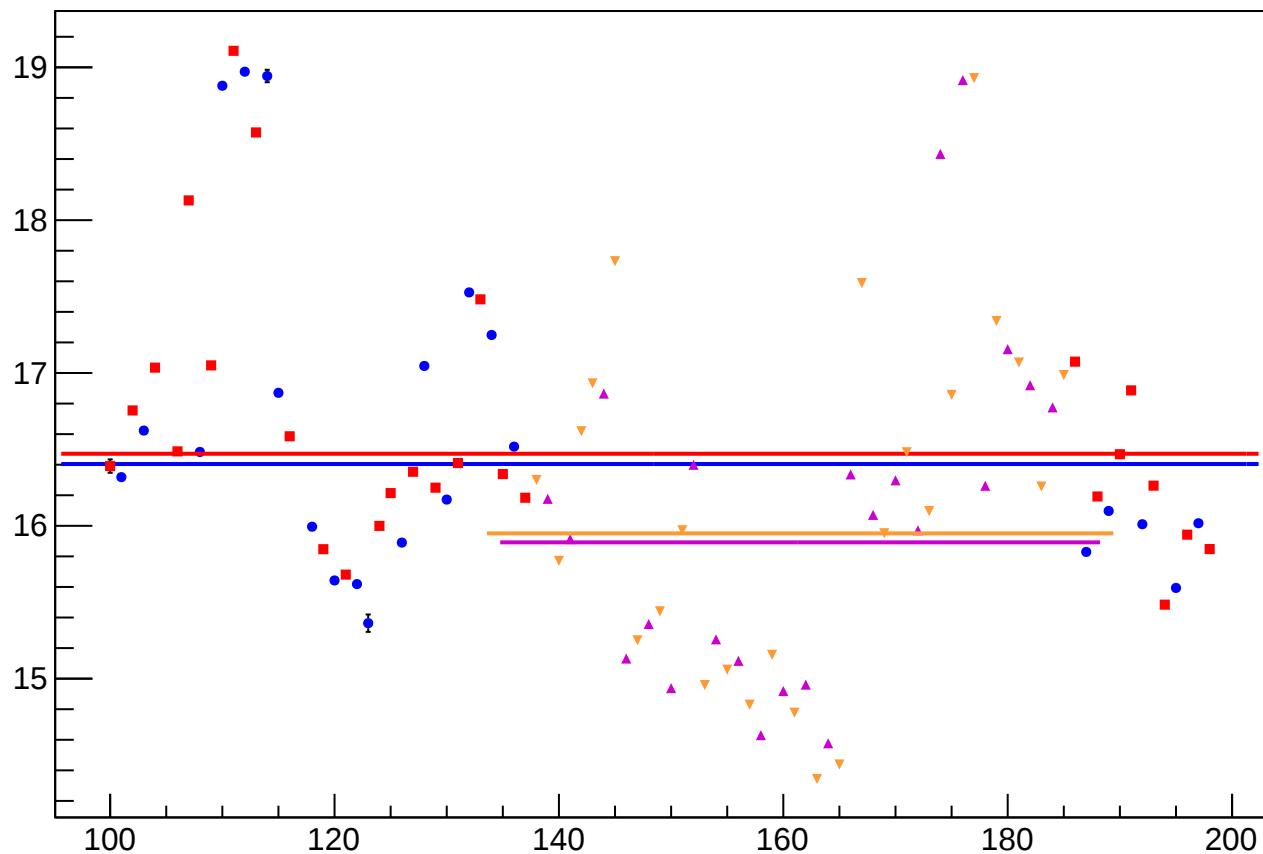
Right: 0.537+/-3.513 χ^2/NDF : 45.7/48

In: -2.138+/-3.093 χ^2/NDF : 50.2/44

Out: -4.394+/-2.927 χ^2/NDF : 45.8/51

All: -3.328+/-2.126 χ^2/NDF : 96.2/96

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.404 $\pm$ 0.004 χ^2/NDF : 52632.8/21

Left Out: 15.951 $\pm$ 0.003 χ^2/NDF :173458.5/24

Right Out: 16.472 $\pm$ 0.003 χ^2/NDF : 57011.7/26

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

Left: 15.922 $\pm$ 0.002 χ^2/NDF : 320794.5/47

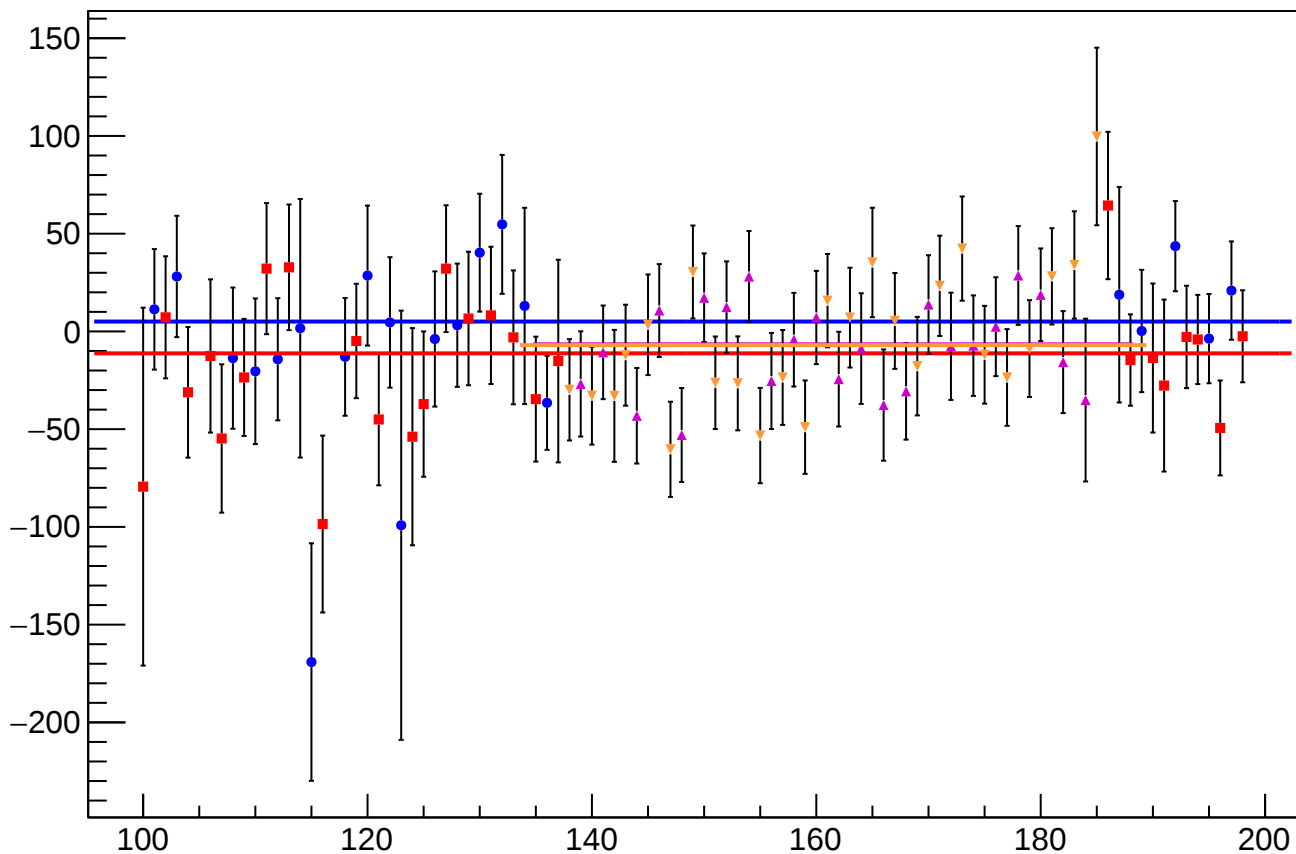
Right: 16.441 $\pm$ 0.002 χ^2/NDF : 109825.6/48

In: 16.070 $\pm$ 0.002 χ^2/NDF :212174.3/44

Out: 16.150 $\pm$ 0.002 χ^2/NDF :245438.9/51

All: 16.112 $\pm$ 0.002 χ^2/NDF : 458329.9/96

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.051 ± 6.975 $\chi^2/\text{NDF}: 21.5/21$

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

Right Out: -11.211 ± 6.276 $\chi^2/\text{NDF}: 22.1/26$

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

Left: -6.820 ± 3.666 $\chi^2/\text{NDF}: 56.6/47$

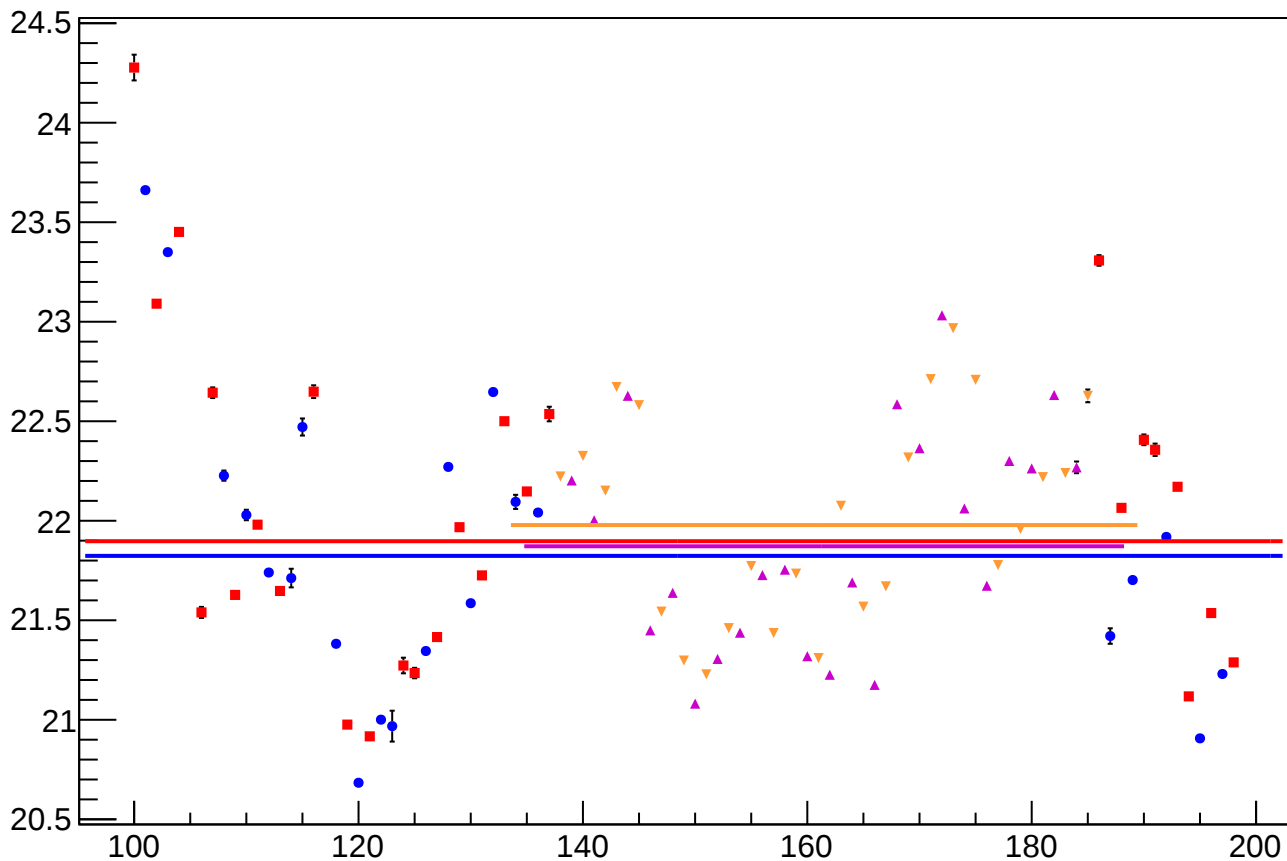
Right: -3.935 ± 4.665 $\chi^2/\text{NDF}: 46.6/48$

In: -2.392 ± 4.195 $\chi^2/\text{NDF}: 42.4/44$

Out: -8.693 ± 3.968 $\chi^2/\text{NDF}: 59.8/51$

All: -5.718 ± 2.883 $\chi^2/\text{NDF}: 103.4/96$

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.824+/-0.005 χ^2/NDF : 23010.5/21

Left Out: 21.978+/-0.004 χ^2/NDF : 19430.2/24

Right Out: 21.897+/-0.004 χ^2/NDF : 24312.0/26

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

Left: 21.926+/-0.003 χ^2/NDF : 40377.5/47

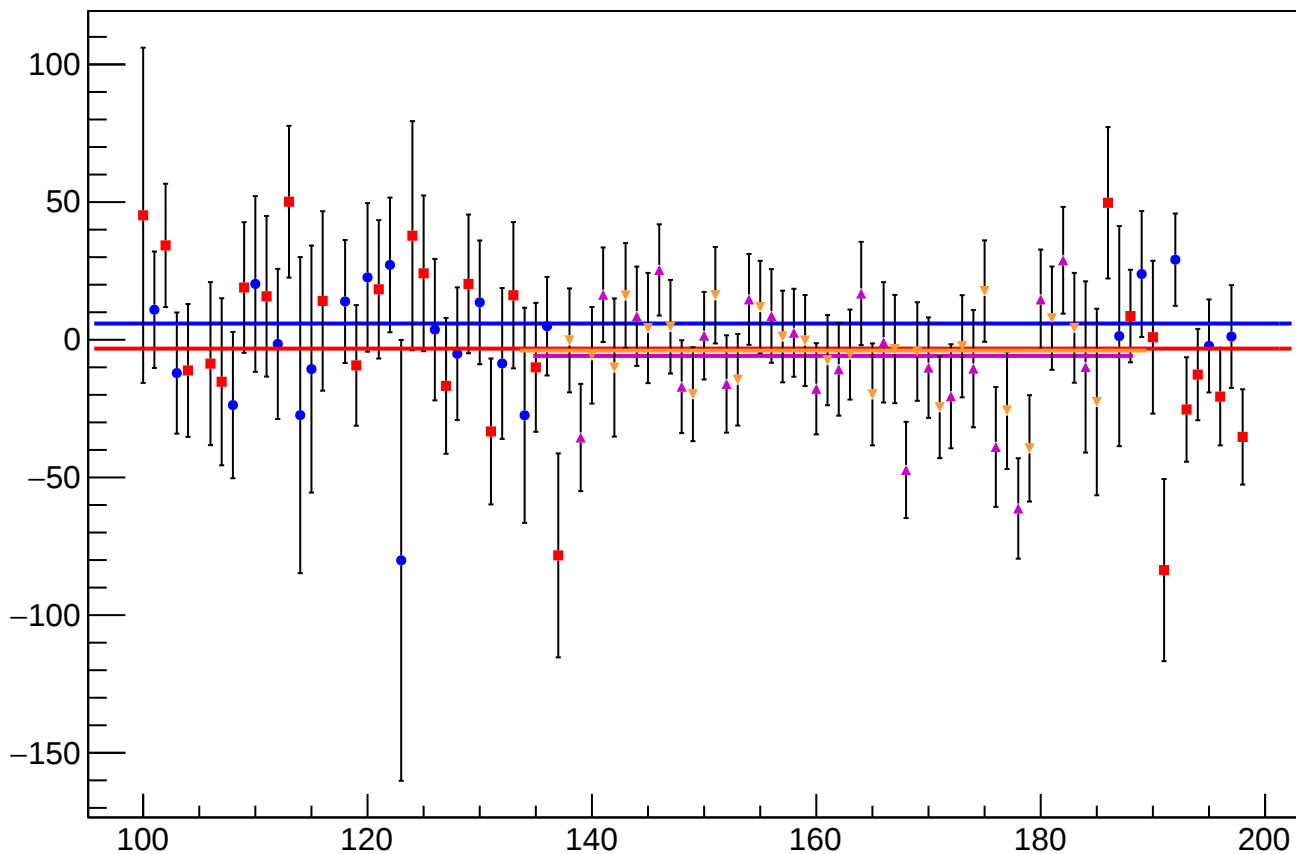
Right: 21.864+/-0.003 χ^2/NDF : 47445.7/48

In: 21.854+/-0.003 χ^2/NDF : 43596.4/44

Out: 21.946+/-0.003 χ^2/NDF : 43942.9/51

All: 21.903+/-0.002 χ^2/NDF : 88042.5/96

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.901 ± 5.209 $\chi^2/\text{NDF}: 9.3/21$

Left Out: -3.927 ± 3.688 $\chi^2/\text{NDF}: 14.0/24$

Right Out: -3.201 ± 4.685 $\chi^2/\text{NDF}: 35.2/26$

Left In: -5.861 ± 3.787 $\chi^2/\text{NDF}: 36.2/22$

Left: -4.869 ± 2.642 $\chi^2/\text{NDF}: 50.3/47$

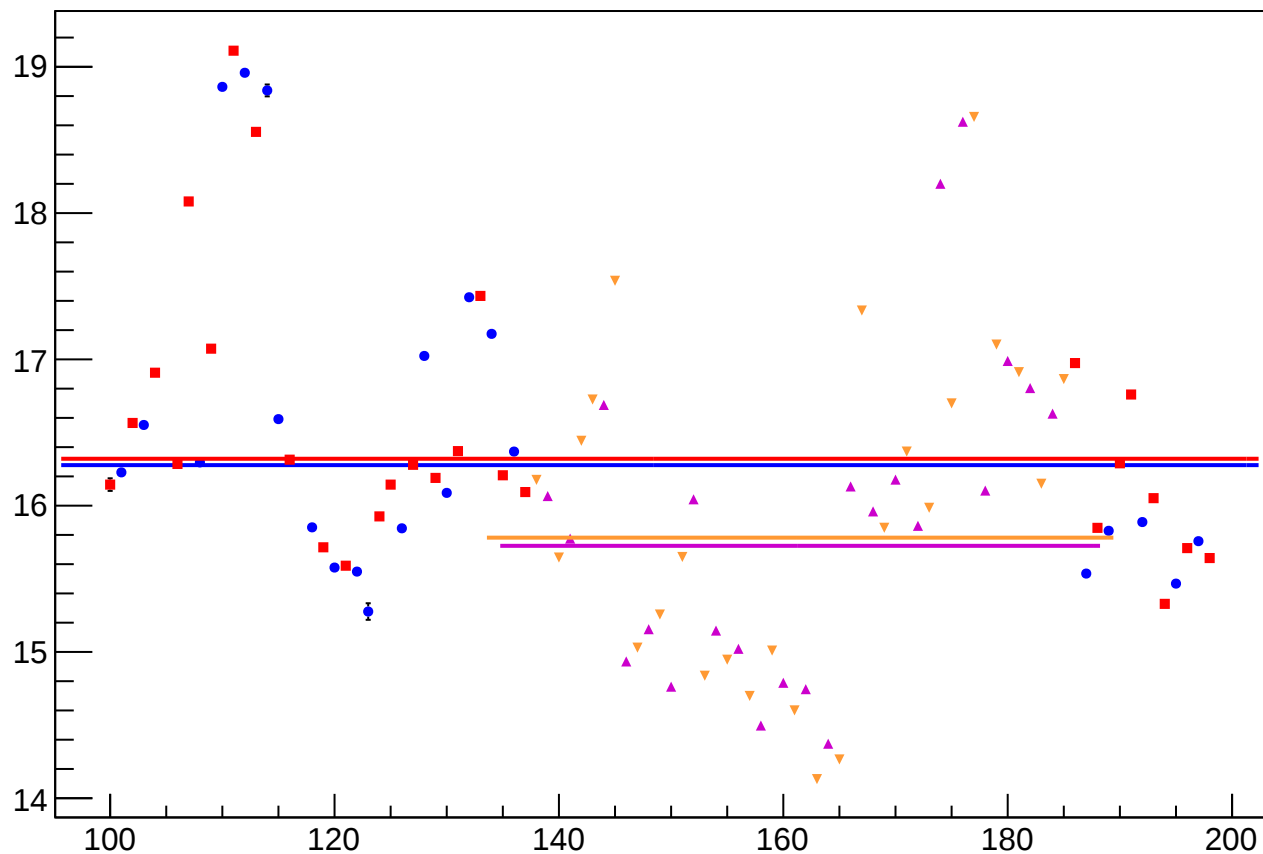
Right: 0.870 ± 3.483 $\chi^2/\text{NDF}: 46.2/48$

In: -1.794 ± 3.063 $\chi^2/\text{NDF}: 48.9/44$

Out: -3.650 ± 2.898 $\chi^2/\text{NDF}: 49.2/51$

All: -2.773 ± 2.105 $\chi^2/\text{NDF}: 98.2/96$

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.277 $\pm$ 0.004 χ^2 /NDF: 56992.6/21

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

Right Out: 16.321 $\pm$ 0.003 χ^2 /NDF: 64910.0/26

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

Left: 15.754 $\pm$ 0.002 χ^2 /NDF: 318948.8/47

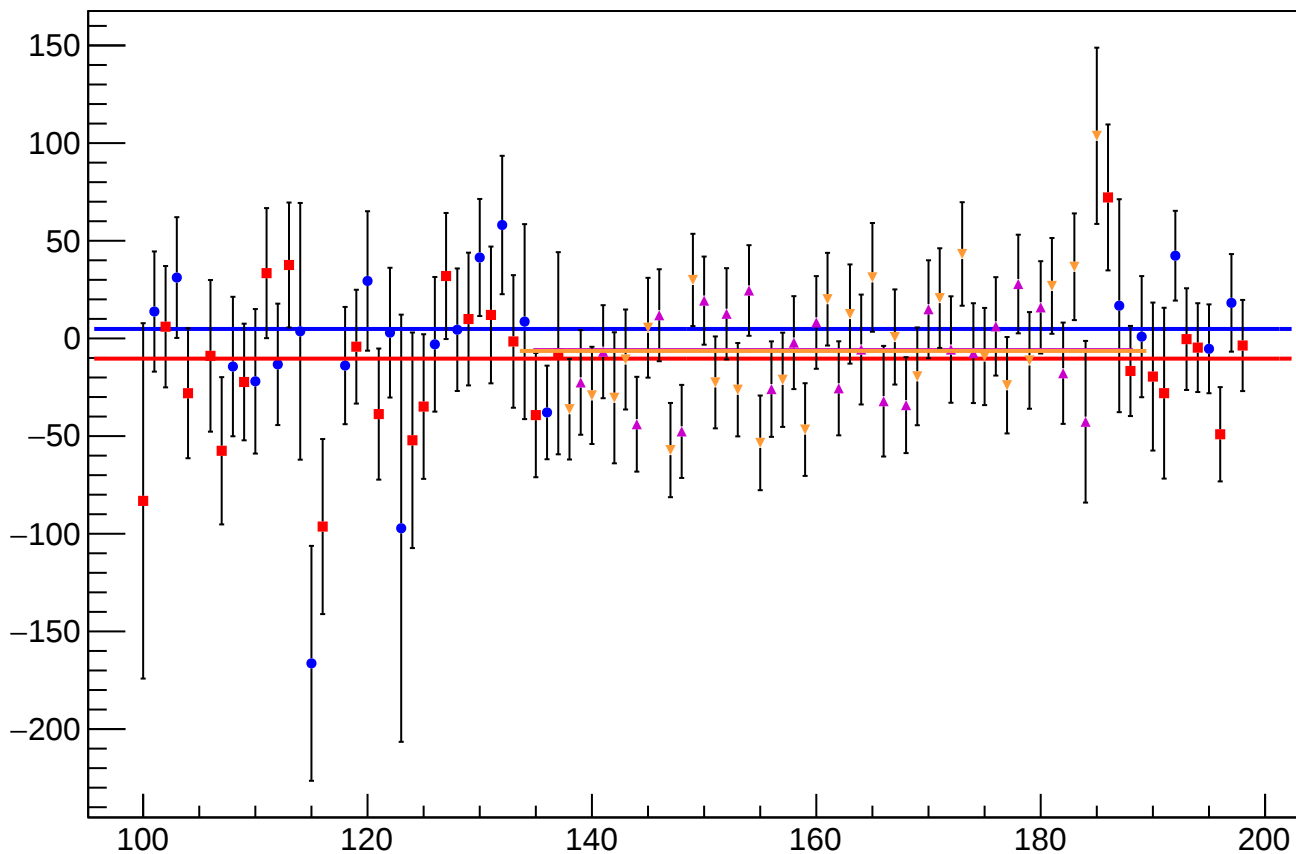
Right: 16.301 $\pm$ 0.002 χ^2 /NDF: 121979.9/48

In: 15.916 $\pm$ 0.002 χ^2 /NDF: 217500.3/44

Out: 15.988 $\pm$ 0.002 χ^2 /NDF: 254167.5/51

All: 15.954 $\pm$ 0.001 χ^2 /NDF: 472242.0/96

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.851 ± 6.940 $\chi^2/\text{NDF}: 22.0/21$

Left Out: -6.404 ± 5.091 $\chi^2/\text{NDF}: 37.4/24$

Right Out: -10.340 ± 6.238 $\chi^2/\text{NDF}: 23.8/26$

Left In: -5.978 ± 5.222 $\chi^2/\text{NDF}: 18.5/22$

Left: -6.196 ± 3.646 $\chi^2/\text{NDF}: 55.9/47$

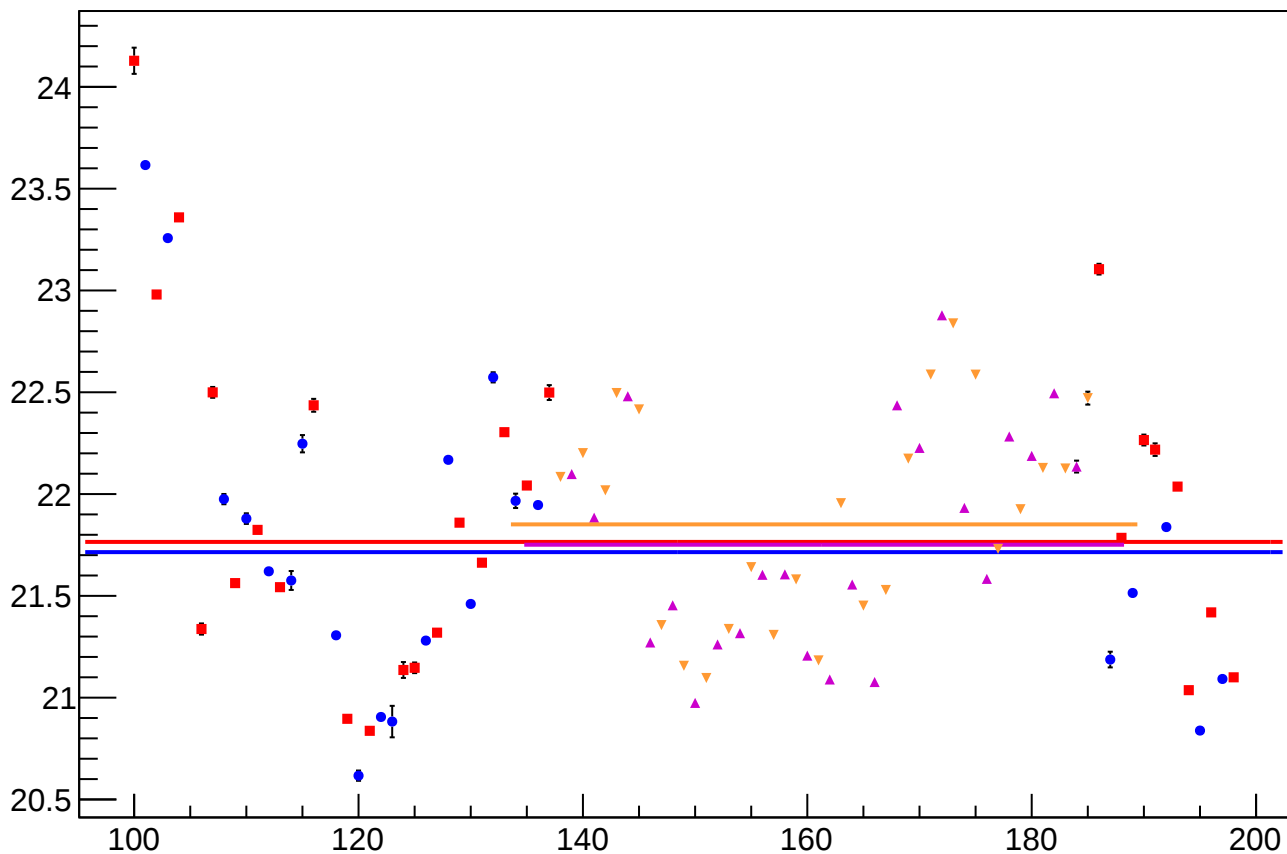
Right: -3.551 ± 4.639 $\chi^2/\text{NDF}: 48.4/48$

In: -2.063 ± 4.173 $\chi^2/\text{NDF}: 42.1/44$

Out: -7.978 ± 3.944 $\chi^2/\text{NDF}: 61.4/51$

All: -5.187 ± 2.866 $\chi^2/\text{NDF}: 104.6/96$

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.715 $\pm$ 0.005 χ^2 /NDF: 23343.8/21

Left Out: 21.851 $\pm$ 0.004 χ^2 /NDF: 19631.8/24

Right Out: 21.765 $\pm$ 0.004 χ^2 /NDF: 23680.5/26

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

Left: 21.802 $\pm$ 0.003 χ^2 /NDF: 40523.6/47

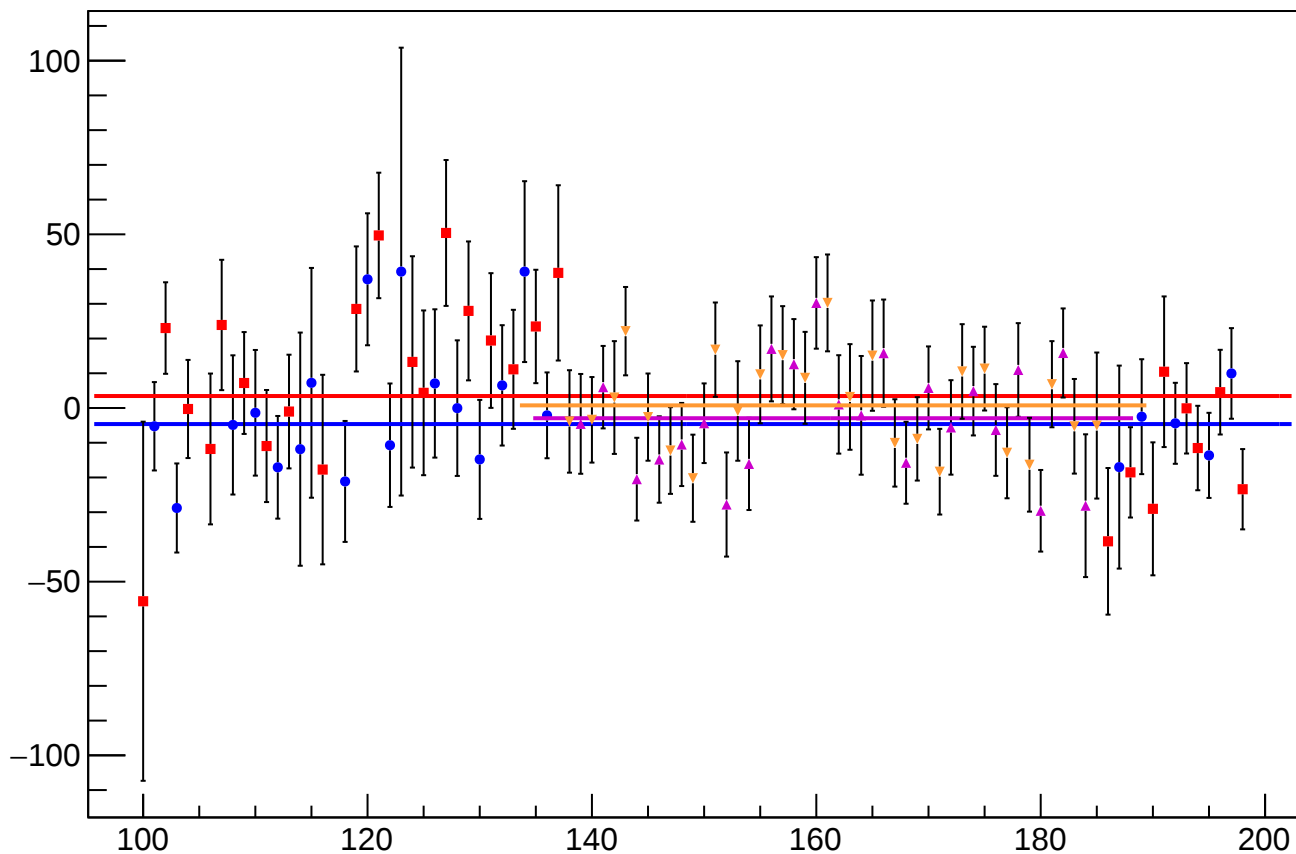
Right: 21.743 $\pm$ 0.003 χ^2 /NDF: 47082.1/48

In: 21.738 $\pm$ 0.003 χ^2 /NDF: 43895.2/44

Out: 21.817 $\pm$ 0.003 χ^2 /NDF: 43541.0/51

All: 21.780 $\pm$ 0.002 χ^2 /NDF: 87811.5/96

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.626 ± 3.581 χ^2/NDF : 16.8/21

Left Out: 0.759 ± 2.698 χ^2/NDF : 23.8/24

Right Out: 3.449 ± 3.249 χ^2/NDF : 43.0/26

Left In: -2.944 ± 2.757 χ^2/NDF : 30.9/22

Left: -1.053 ± 1.929 χ^2/NDF : 55.7/47

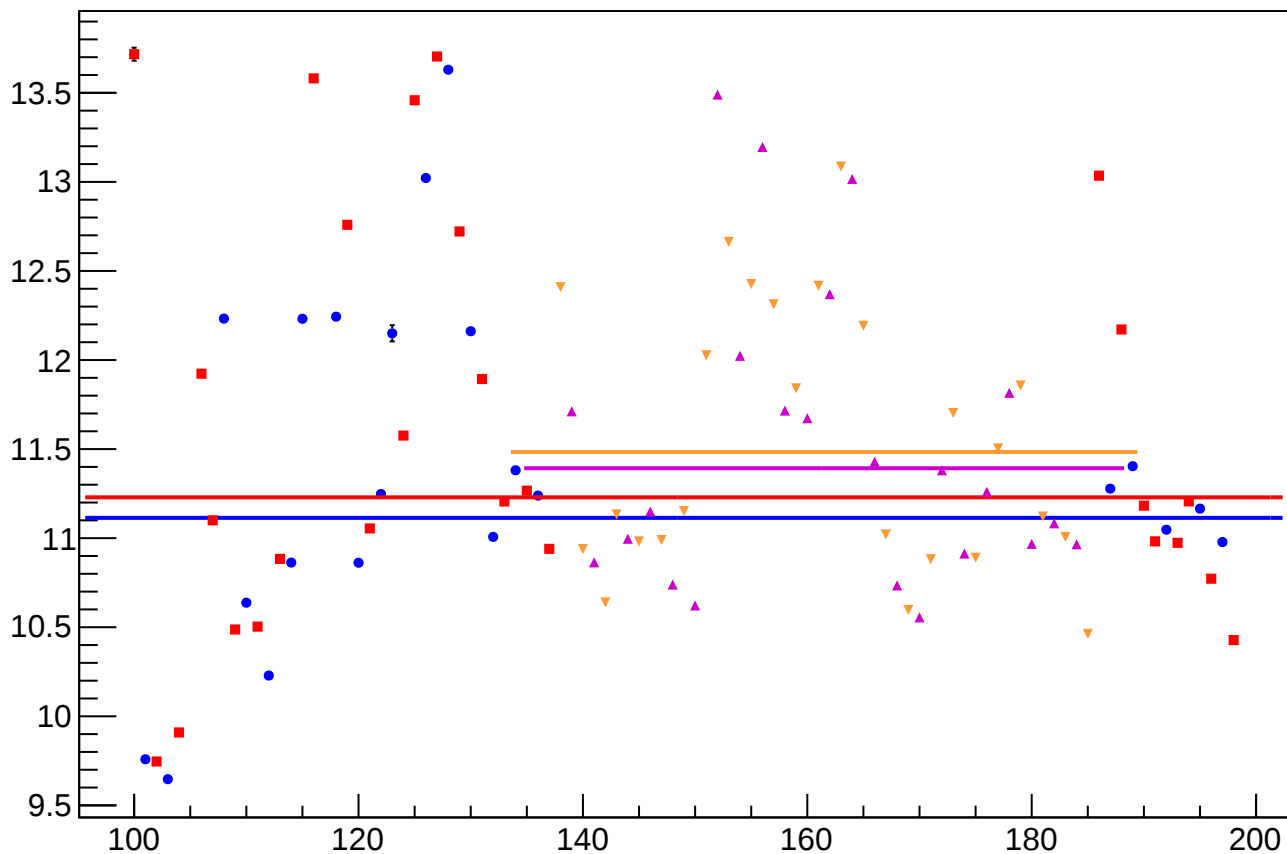
Right: -0.197 ± 2.406 χ^2/NDF : 62.6/48

In: -3.570 ± 2.185 χ^2/NDF : 47.8/44

Out: 1.857 ± 2.076 χ^2/NDF : 67.2/51

All: -0.718 ± 1.505 χ^2/NDF : 118.3/96

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.114 $\pm$ 0.003 χ^2 /NDF: 133593.3/21

Left Out: 11.484 $\pm$ 0.002 χ^2 /NDF:129805.4/24

Right Out: 11.229 $\pm$ 0.002 χ^2 /NDF: 187160.9/26

Left In: 11.392 $\pm$ 0.002 χ^2 /NDF:150493.3/22

Left: 11.439 $\pm$ 0.001 χ^2 /NDF: 281419.2/47

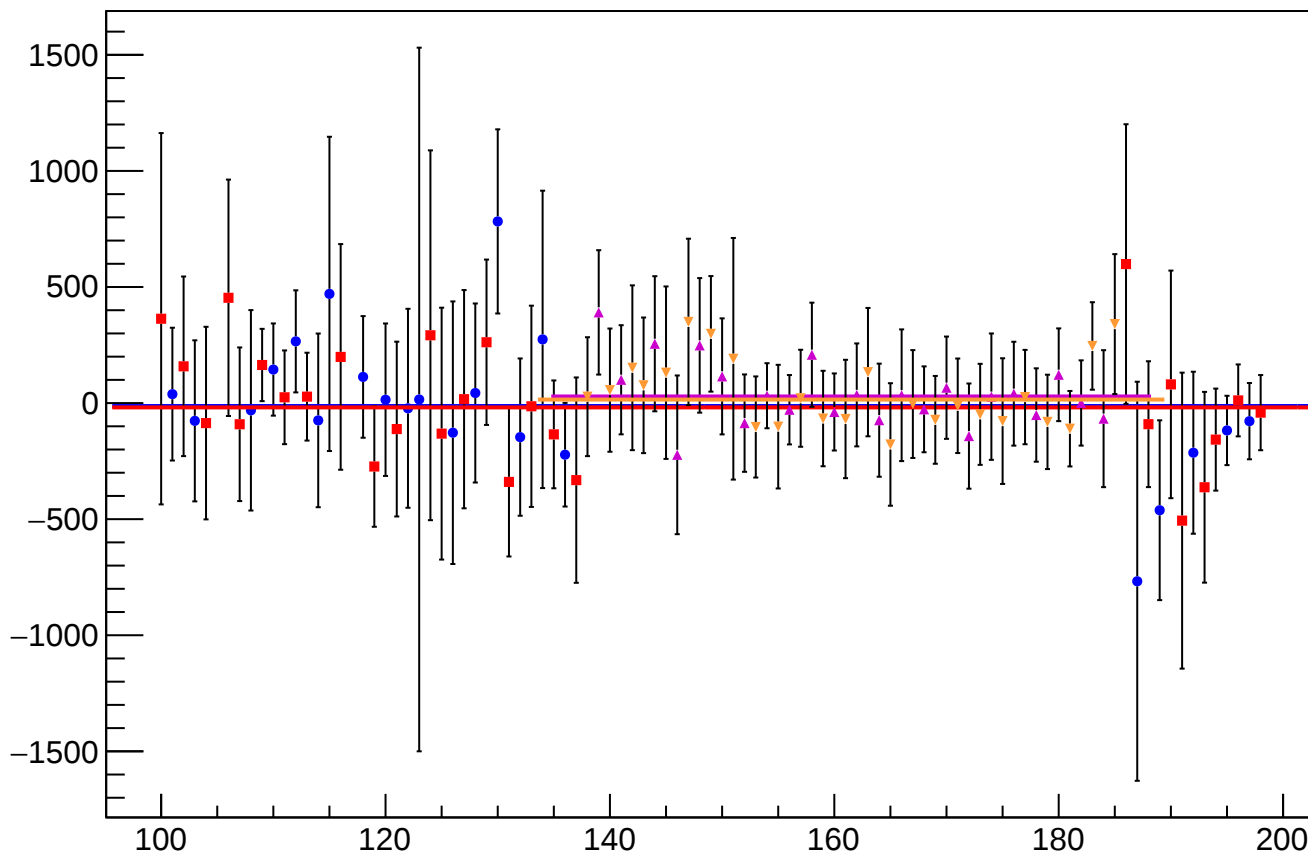
Right: 11.177 $\pm$ 0.002 χ^2 /NDF: 321887.3/48

In: 11.289 $\pm$ 0.002 χ^2 /NDF:291669.6/44

Out: 11.380 $\pm$ 0.001 χ^2 /NDF:324231.6/51

All: 11.337 $\pm$ 0.001 χ^2 /NDF: 617724.7/96

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: -12.680 $\pm$ 62.429 χ^2 /NDF: 11.5/21

Left Out: 15.130 $\pm$ 47.705 χ^2 /NDF:8.0/24

Right Out: -18.666 $\pm$ 54.852 χ^2 /NDF: 9.6/26

Left In: 28.500 $\pm$ 44.797 χ^2 /NDF:6.4/22

Left: 22.235 $\pm$ 32.656 χ^2 /NDF: 14.4/47

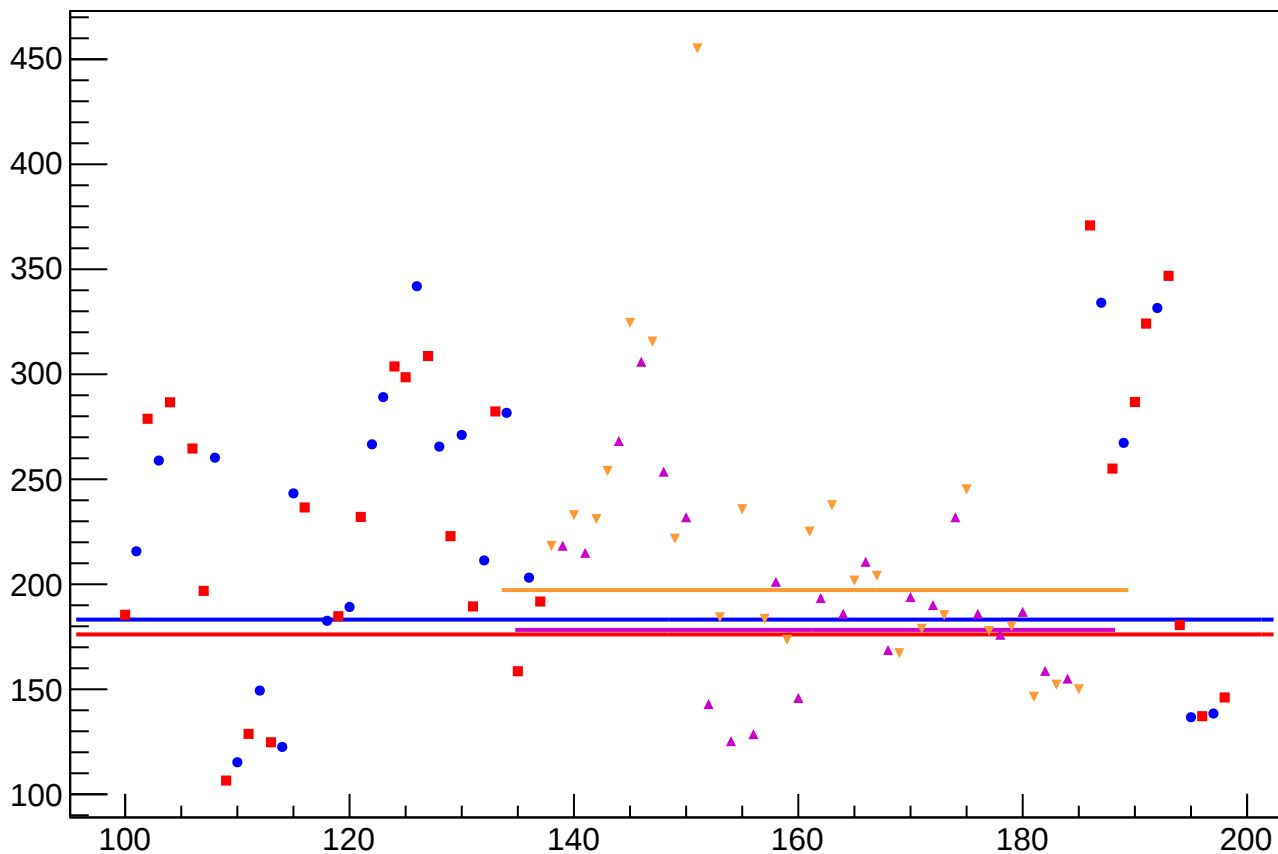
Right: -16.058 $\pm$ 41.206 χ^2 /NDF: 21.1/48

In: 14.504 $\pm$ 36.396 χ^2 /NDF:18.2/44

Out: 0.576 $\pm$ 35.996 χ^2 /NDF:17.8/51

All: 7.463 $\pm$ 25.593 χ^2 /NDF: 36.0/96

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 183.193+/-0.044 χ^2/NDF : 1905421.7/21

Left Out: 197.249+/-0.034 χ^2/NDF :1786808.1/24

Right Out: 176.115+/-0.039 χ^2/NDF : 2700246.1/26

Left In: 178.277+/-0.032 χ^2/NDF :1628916.6/22

Left: 187.167+/-0.023 χ^2/NDF : 3583826.5/47

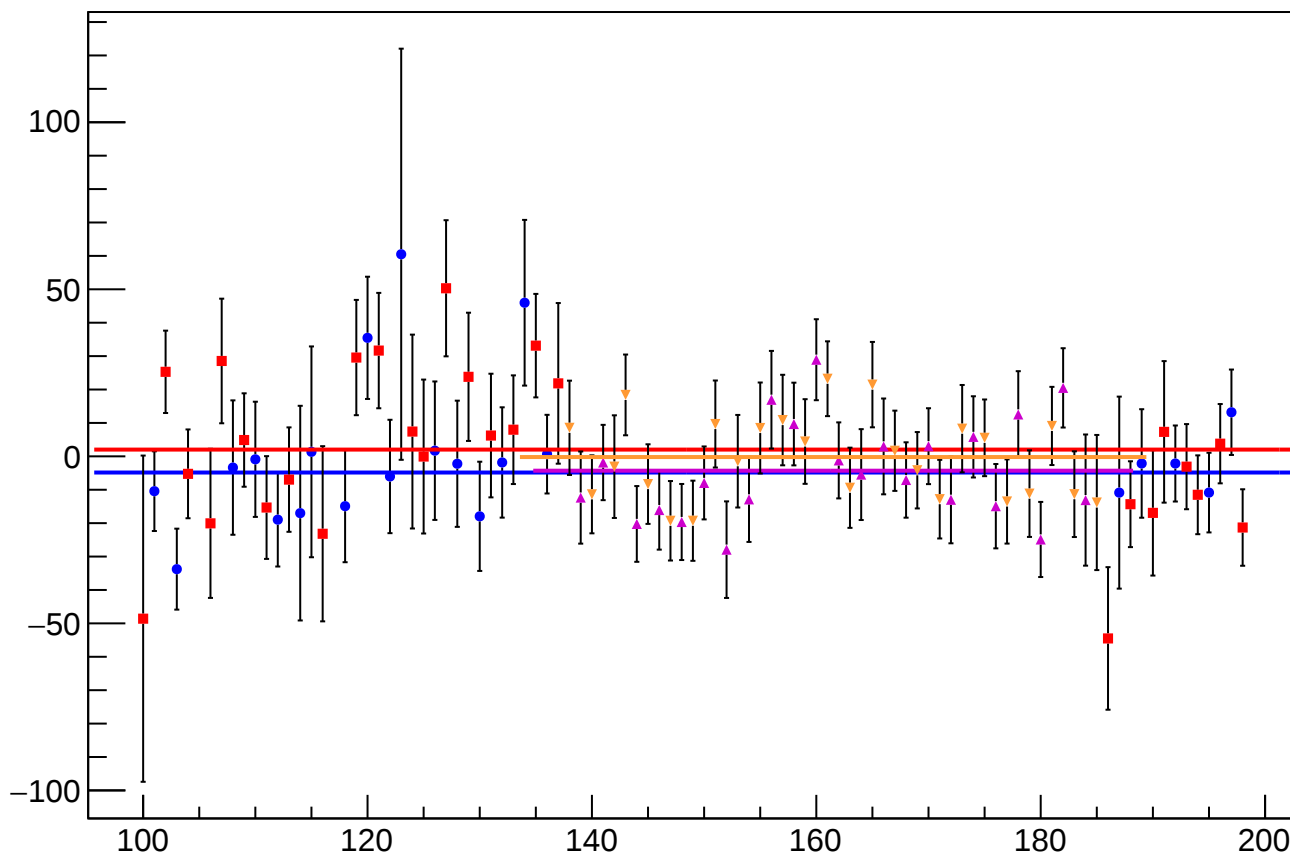
Right: 179.199+/-0.029 χ^2/NDF : 4620174.6/48

In: 179.948+/-0.026 χ^2/NDF :3542524.6/44

Out: 188.148+/-0.025 χ^2/NDF :4656094.7/51

All: 184.093+/-0.018 χ^2/NDF : 8249941.3/96

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.845 ± 3.445 $\chi^2/\text{NDF}: 21.1/21$

Left Out: -0.211 ± 2.523 $\chi^2/\text{NDF}: 24.5/24$

Right Out: 2.021 ± 3.141 $\chi^2/\text{NDF}: 43.2/26$

Left In: -4.298 ± 2.589 $\chi^2/\text{NDF}: 31.6/22$

Left: -2.202 ± 1.807 $\chi^2/\text{NDF}: 57.4/47$

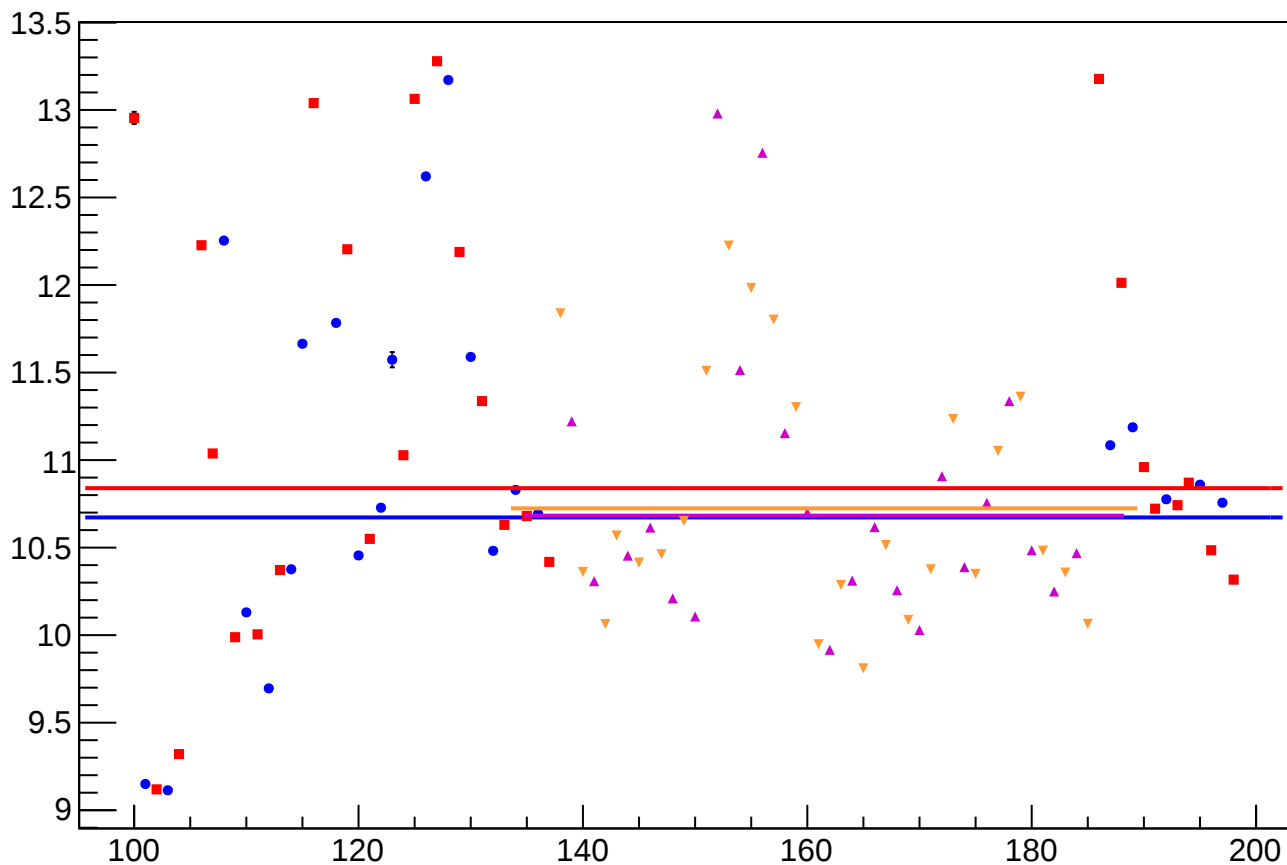
Right: -1.097 ± 2.321 $\chi^2/\text{NDF}: 66.5/48$

In: -4.495 ± 2.070 $\chi^2/\text{NDF}: 52.7/44$

Out: 0.664 ± 1.967 $\chi^2/\text{NDF}: 68.1/51$

All: -1.785 ± 1.426 $\chi^2/\text{NDF}: 124.0/96$

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.672 $\pm$ 0.002 χ^2 /NDF: 163867.7/21

Left Out: 10.724 $\pm$ 0.002 χ^2 /NDF:132558.9/24

Right Out: 10.840 $\pm$ 0.002 χ^2 /NDF: 225790.1/26

Left In: 10.683 $\pm$ 0.002 χ^2 /NDF:147835.6/22

Left: 10.704 $\pm$ 0.001 χ^2 /NDF: 280658.8/47

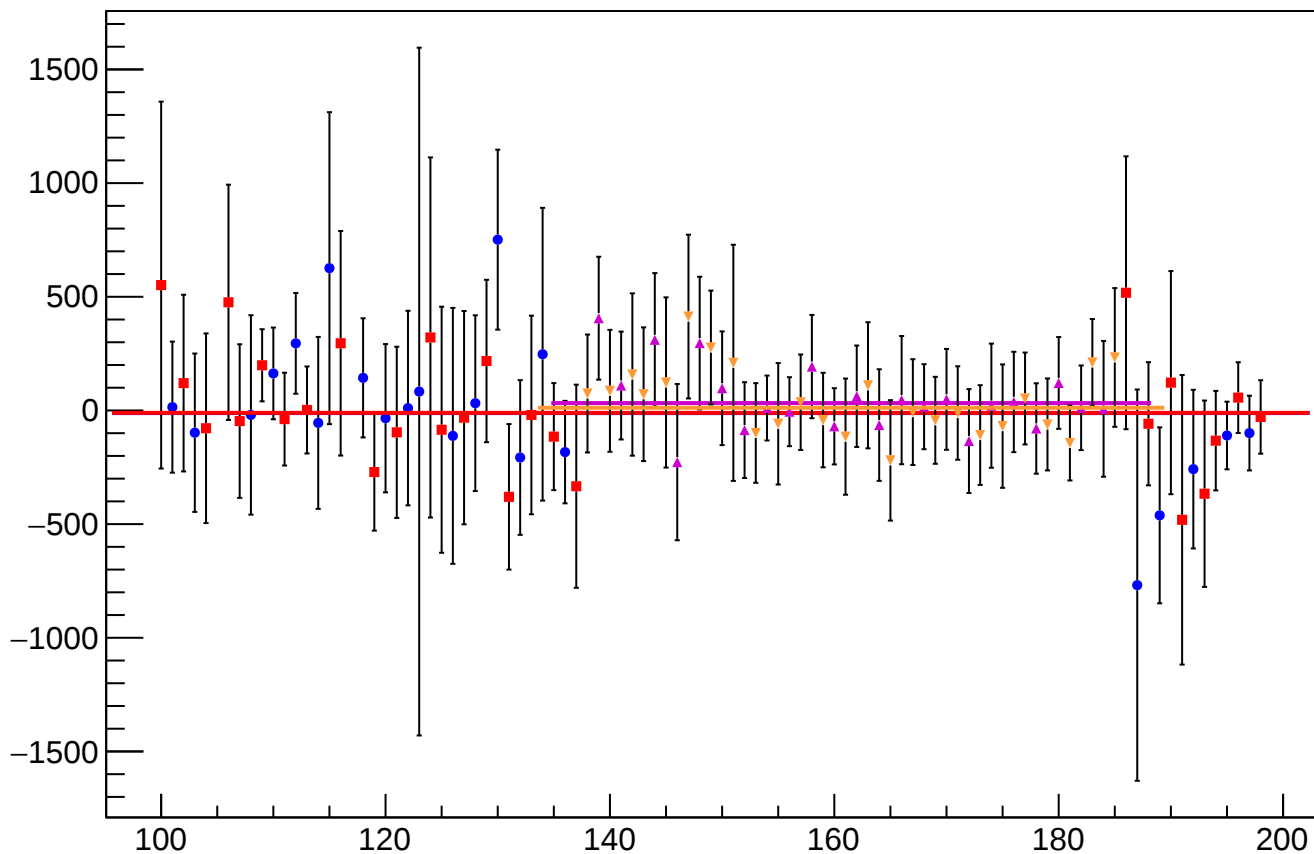
Right: 10.764 $\pm$ 0.002 χ^2 /NDF: 392229.8/48

In: 10.679 $\pm$ 0.001 χ^2 /NDF:311714.6/44

Out: 10.769 $\pm$ 0.001 χ^2 /NDF:359989.2/51

All: 10.726 $\pm$ 0.001 χ^2 /NDF: 673713.4/96

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -11.606 ± 62.643 χ^2/NDF : 12.1/21

Left Out: 11.891 ± 48.022 χ^2/NDF : 7.6/24

Right Out: -10.621 ± 55.166 χ^2/NDF : 10.1/26

Left In: 32.413 ± 45.155 χ^2/NDF : 6.9/22

Left: 22.783 ± 32.896 χ^2/NDF : 14.6/47

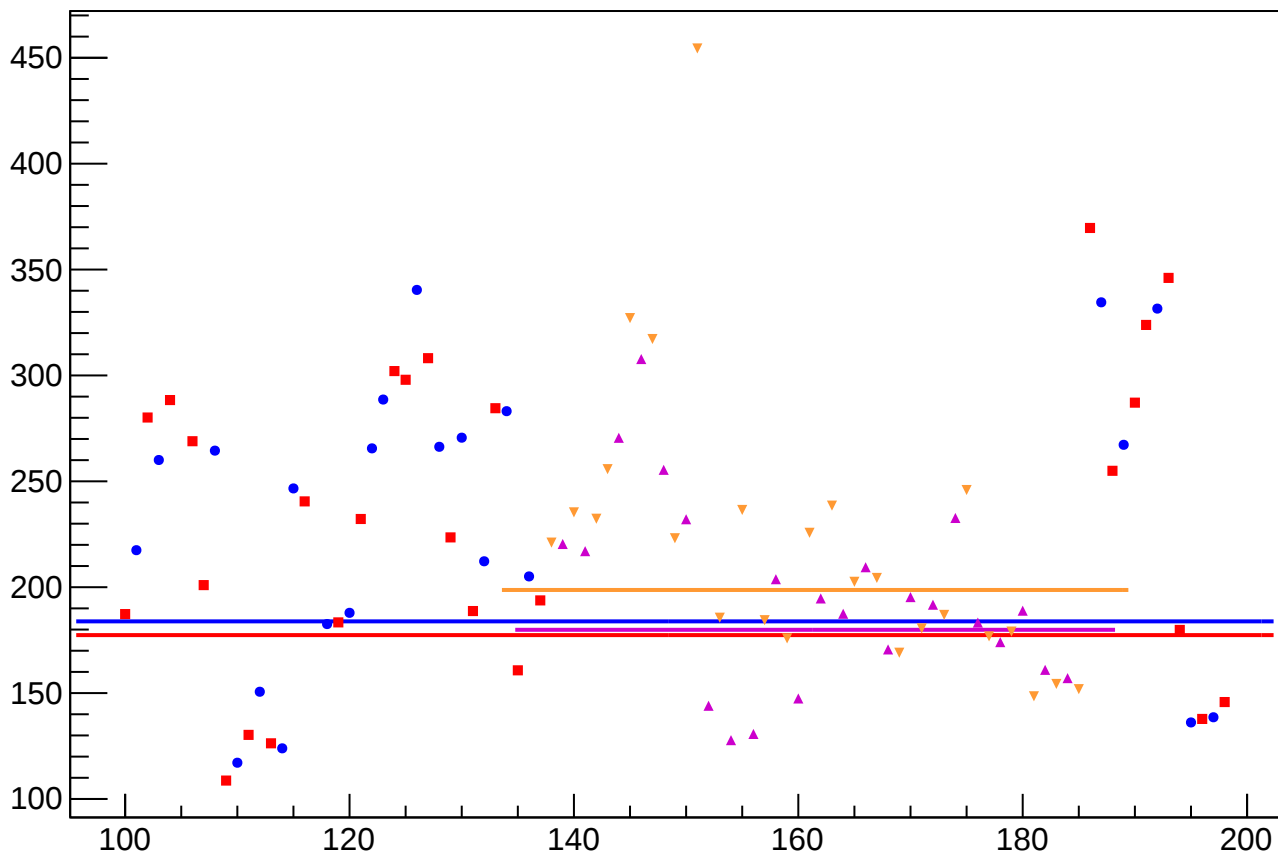
Right: -11.051 ± 41.401 χ^2/NDF : 22.2/48

In: 17.361 ± 36.630 χ^2/NDF : 19.4/44

Out: 2.186 ± 36.221 χ^2/NDF : 17.8/51

All: 9.688 ± 25.756 χ^2/NDF : 37.3/96

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 183.869 $\pm$ 0.044 χ^2 /NDF: 1895472.0/21

Left Out: 198.695 $\pm$ 0.034 χ^2 /NDF:1759311.9/24

Right Out: 177.381 $\pm$ 0.039 χ^2 /NDF: 2647723.3/26

Left In: 179.886 $\pm$ 0.032 χ^2 /NDF:1580636.4/22

Left: 188.712 $\pm$ 0.023 χ^2 /NDF: 3502782.6/47

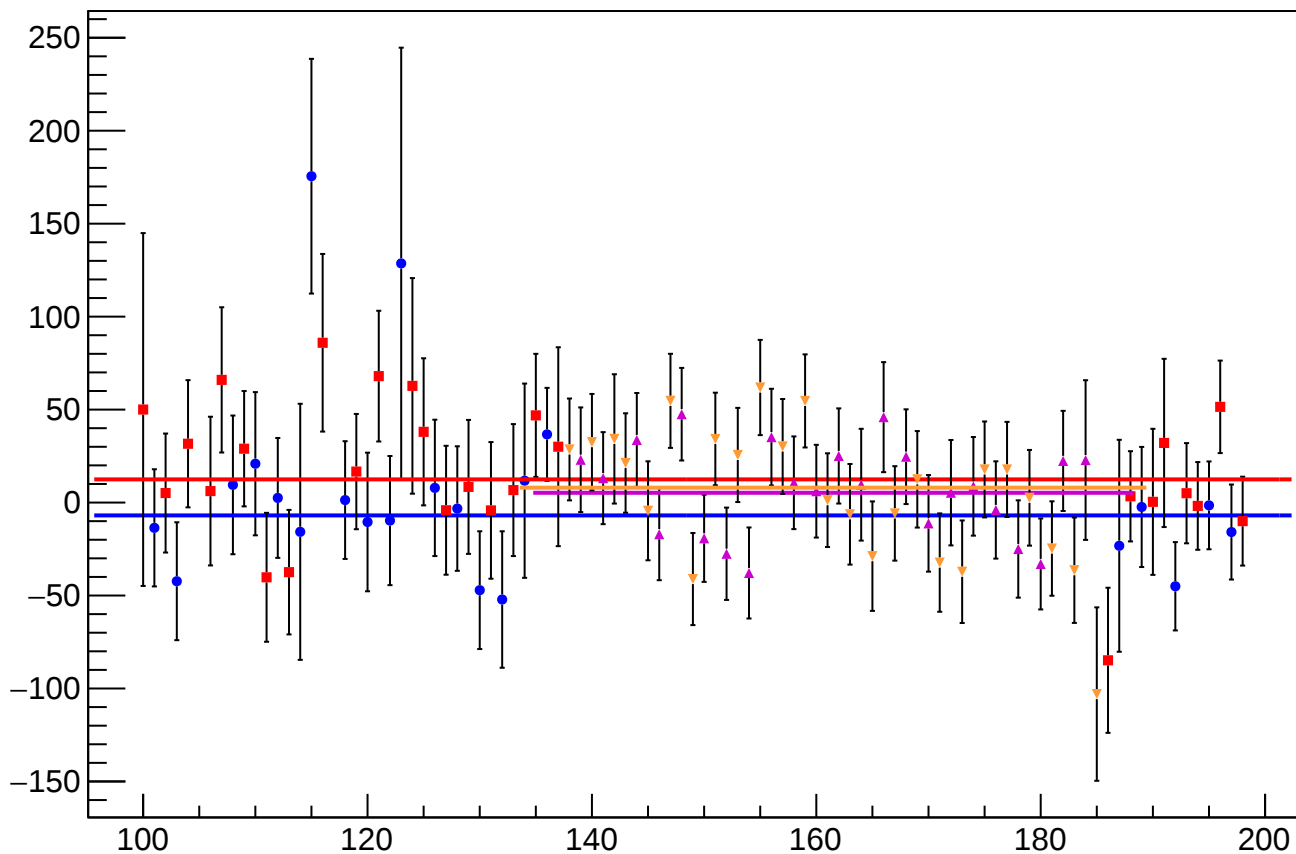
Right: 180.215 $\pm$ 0.029 χ^2 /NDF: 4555279.3/48

In: 181.248 $\pm$ 0.026 χ^2 /NDF:3481429.1/44

Out: 189.507 $\pm$ 0.026 χ^2 /NDF:4576879.7/51

All: 185.424 $\pm$ 0.018 χ^2 /NDF: 8109707.4/96

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.912 ± 7.228 χ^2/NDF : 21.2/21

Left Out: 8.004 ± 5.334 χ^2/NDF : 37.4/24

Right Out: 12.473 ± 6.504 χ^2/NDF : 25.4/26

Left In: 5.261 ± 5.465 χ^2/NDF : 20.8/22

Left: 6.665 ± 3.817 χ^2/NDF : 58.3/47

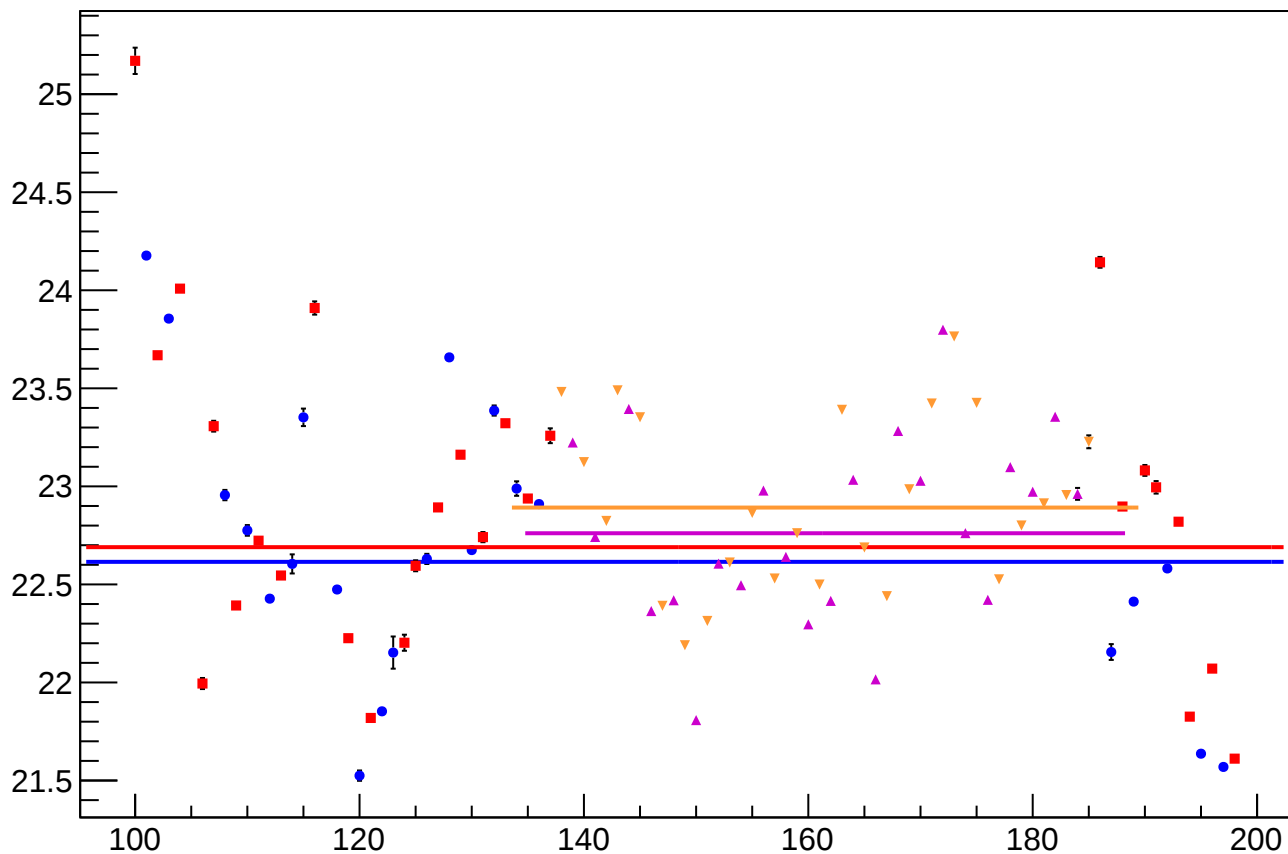
Right: 3.800 ± 4.835 χ^2/NDF : 50.6/48

In: 0.833 ± 4.359 χ^2/NDF : 43.8/44

Out: 9.801 ± 4.124 χ^2/NDF : 63.1/51

All: 5.565 ± 2.996 χ^2/NDF : 109.1/96

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.615 $\pm$ 0.005 χ^2 /NDF: 21469.5/21

Left Out: 22.892 $\pm$ 0.004 χ^2 /NDF:12995.5/24

Right Out: 22.690 $\pm$ 0.005 χ^2 /NDF: 23301.0/26

Left In: 22.761 $\pm$ 0.004 χ^2 /NDF:14550.0/22

Left: 22.828 $\pm$ 0.003 χ^2 /NDF: 28133.9/47

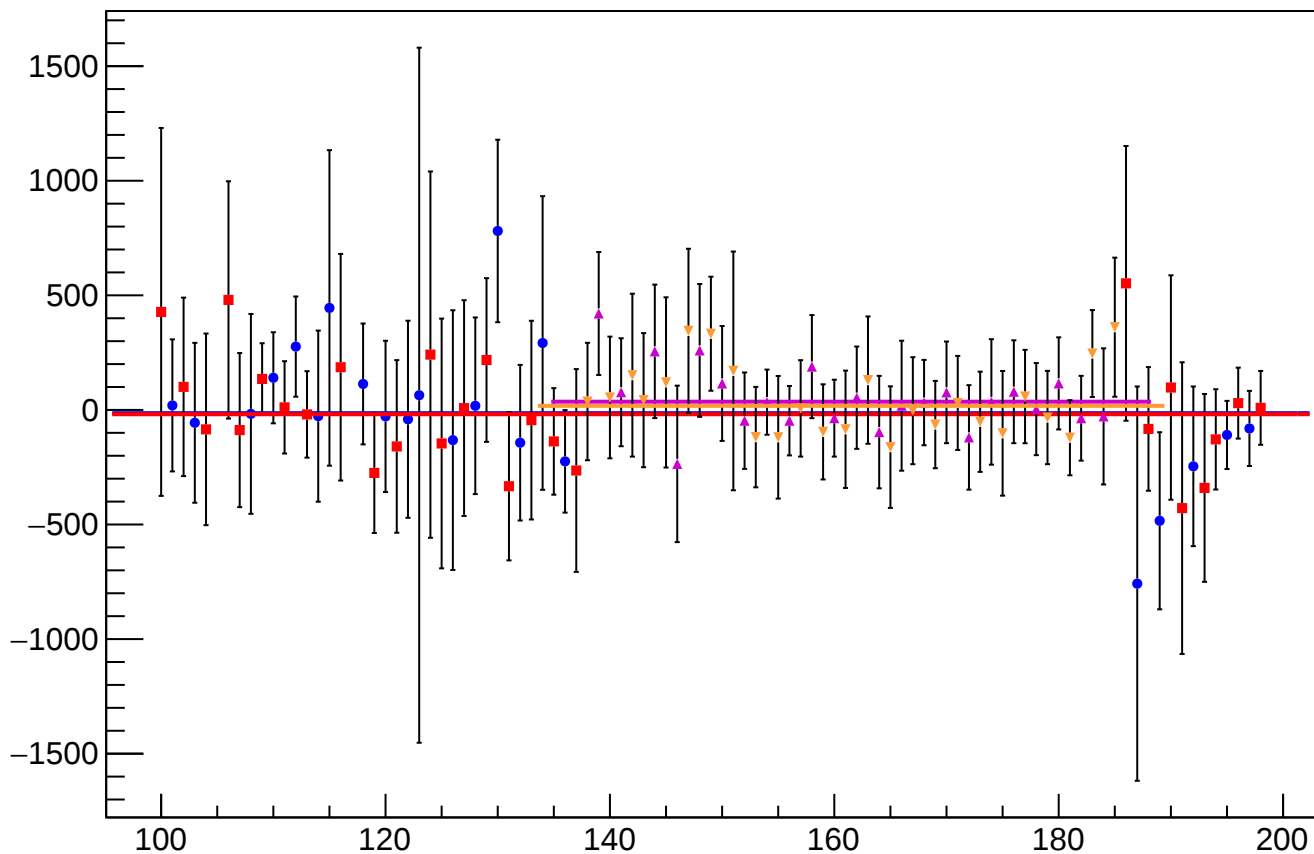
Right: 22.656 $\pm$ 0.003 χ^2 /NDF: 44889.0/48

In: 22.708 $\pm$ 0.003 χ^2 /NDF:36537.5/44

Out: 22.811 $\pm$ 0.003 χ^2 /NDF:37449.5/51

All: 22.762 $\pm$ 0.002 χ^2 /NDF: 74574.0/96

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -14.327 ± 62.450 χ^2/NDF : 11.6/21

Left Out: 17.777 ± 47.941 χ^2/NDF : 8.5/24

Right Out: -18.849 ± 54.866 χ^2/NDF : 8.2/26

Left In: 35.879 ± 45.087 χ^2/NDF : 6.3/22

Left: 27.383 ± 32.844 χ^2/NDF : 14.9/47

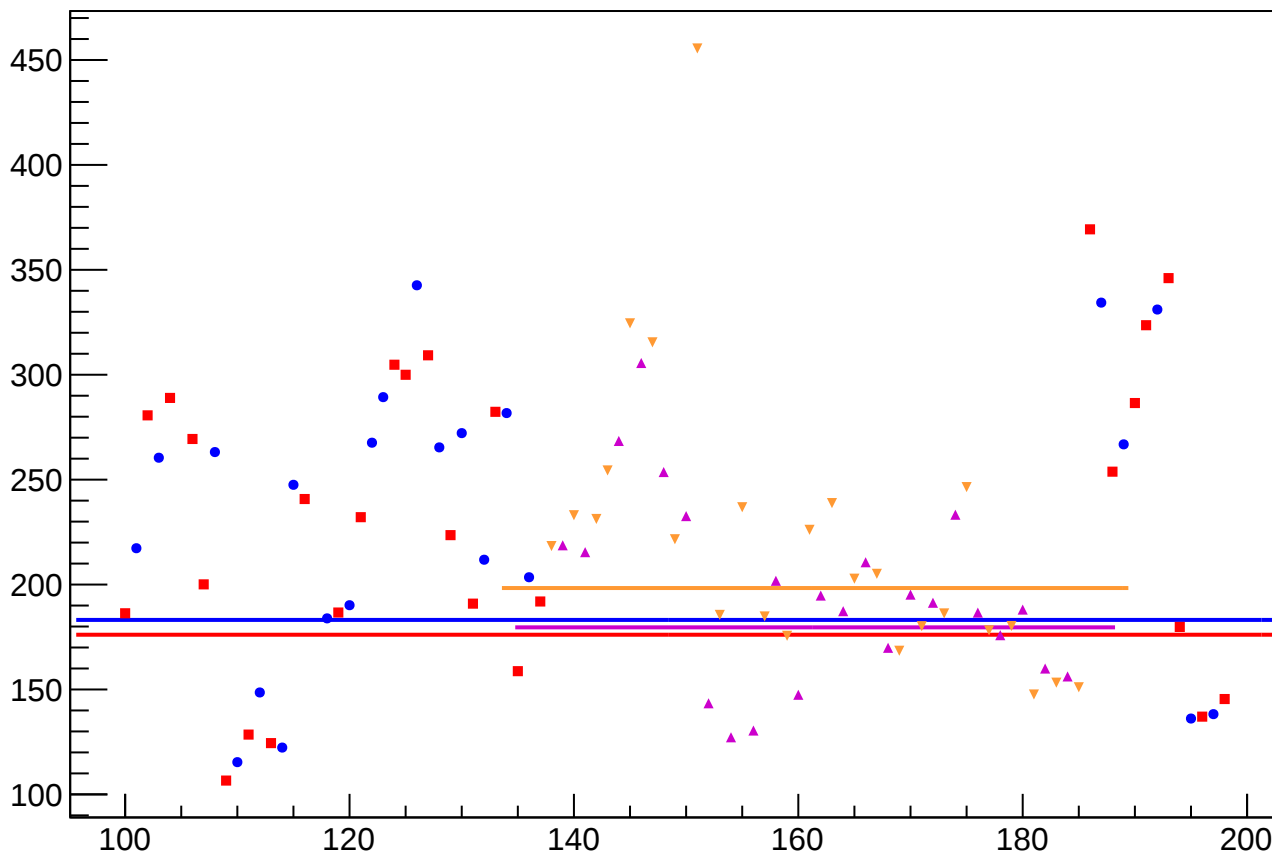
Right: -16.879 ± 41.218 χ^2/NDF : 19.8/48

In: 18.676 ± 36.556 χ^2/NDF : 18.4/44

Out: 1.920 ± 36.101 χ^2/NDF : 17.0/51

All: 10.193 ± 25.687 χ^2/NDF : 35.5/96

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 183.150+/-0.044 χ^2/NDF : 1928457.4/21

Left Out: 198.344+/-0.034 χ^2/NDF : 1757450.6/24

Right Out: 176.090+/-0.039 χ^2/NDF : 2723190.0/26

Left In: 179.605+/-0.032 χ^2/NDF : 1575744.0/22

Left: 188.400+/-0.023 χ^2/NDF : 3495336.8/47

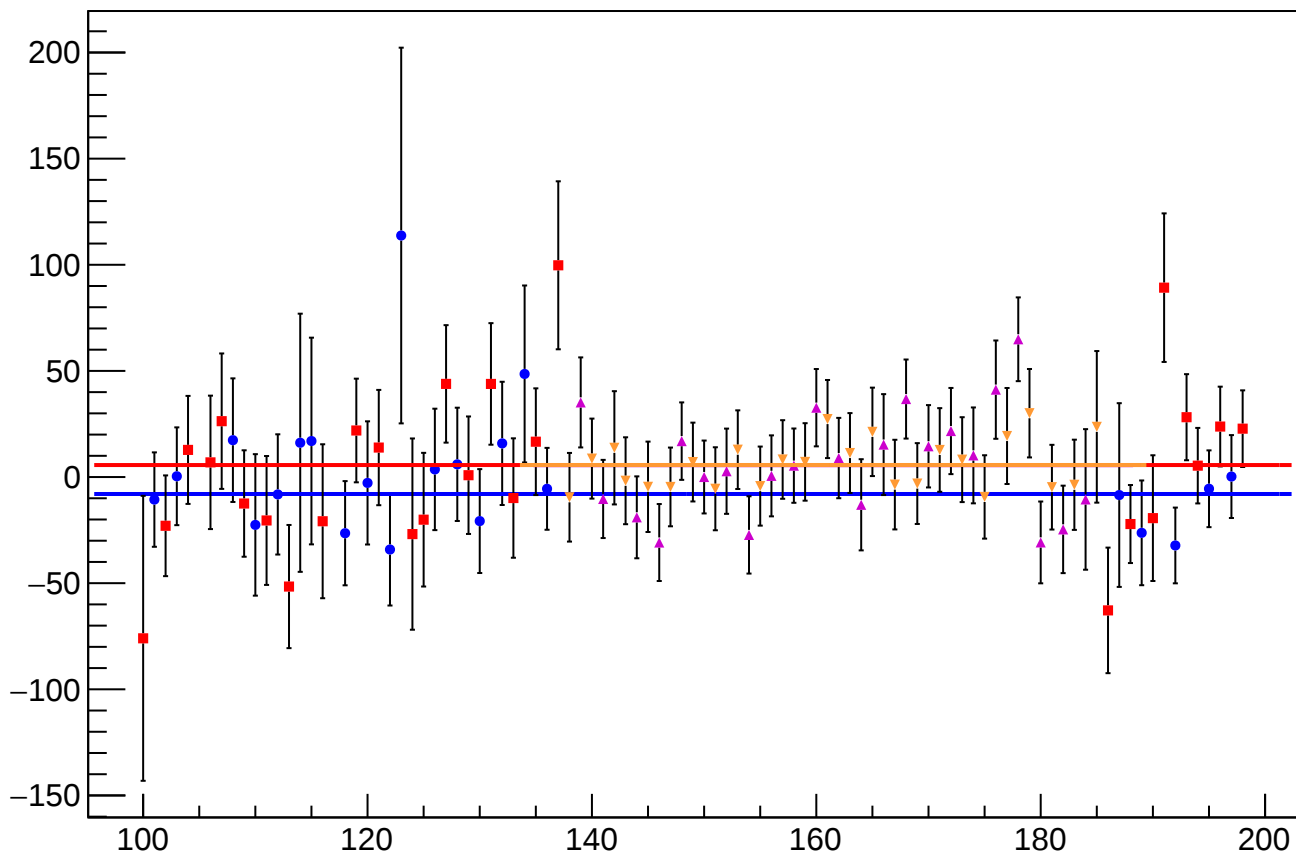
Right: 179.165+/-0.029 χ^2/NDF : 4666070.3/48

In: 180.820+/-0.026 χ^2/NDF : 3508437.0/44

Out: 188.709+/-0.026 χ^2/NDF : 4667207.6/51

All: 184.814+/-0.018 χ^2/NDF : 8222807.6/96

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -7.986 ± 5.583 χ^2/NDF : 10.8/21

Left Out: 5.680 ± 4.024 χ^2/NDF : 7.7/24

Right Out: 5.652 ± 5.027 χ^2/NDF : 37.8/26

Left In: 5.595 ± 4.121 χ^2/NDF : 36.4/22

Left: 5.639 ± 2.879 χ^2/NDF : 44.1/47

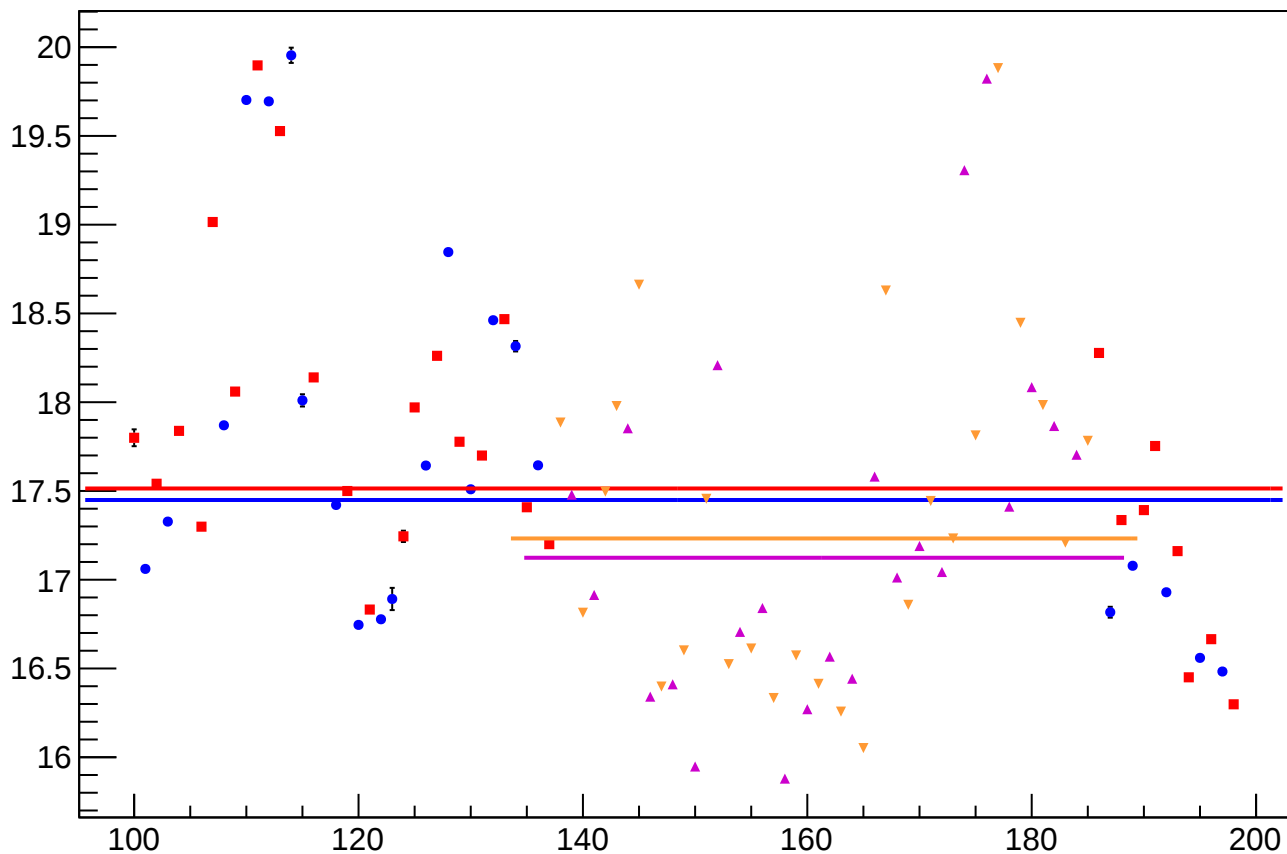
Right: -0.455 ± 3.736 χ^2/NDF : 52.0/48

In: 0.805 ± 3.316 χ^2/NDF : 51.0/44

Out: 5.669 ± 3.141 χ^2/NDF : 45.6/51

All: 3.368 ± 2.280 χ^2/NDF : 97.8/96

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.449 $\pm$ 0.004 χ^2 /NDF: 50407.8/21

Left Out: 17.232 $\pm$ 0.003 χ^2 /NDF:98701.0/24

Right Out: 17.514 $\pm$ 0.004 χ^2 /NDF: 56883.4/26

Left In: 17.124 $\pm$ 0.003 χ^2 /NDF:100747.0/22

Left: 17.179 $\pm$ 0.002 χ^2 /NDF: 200160.6/47

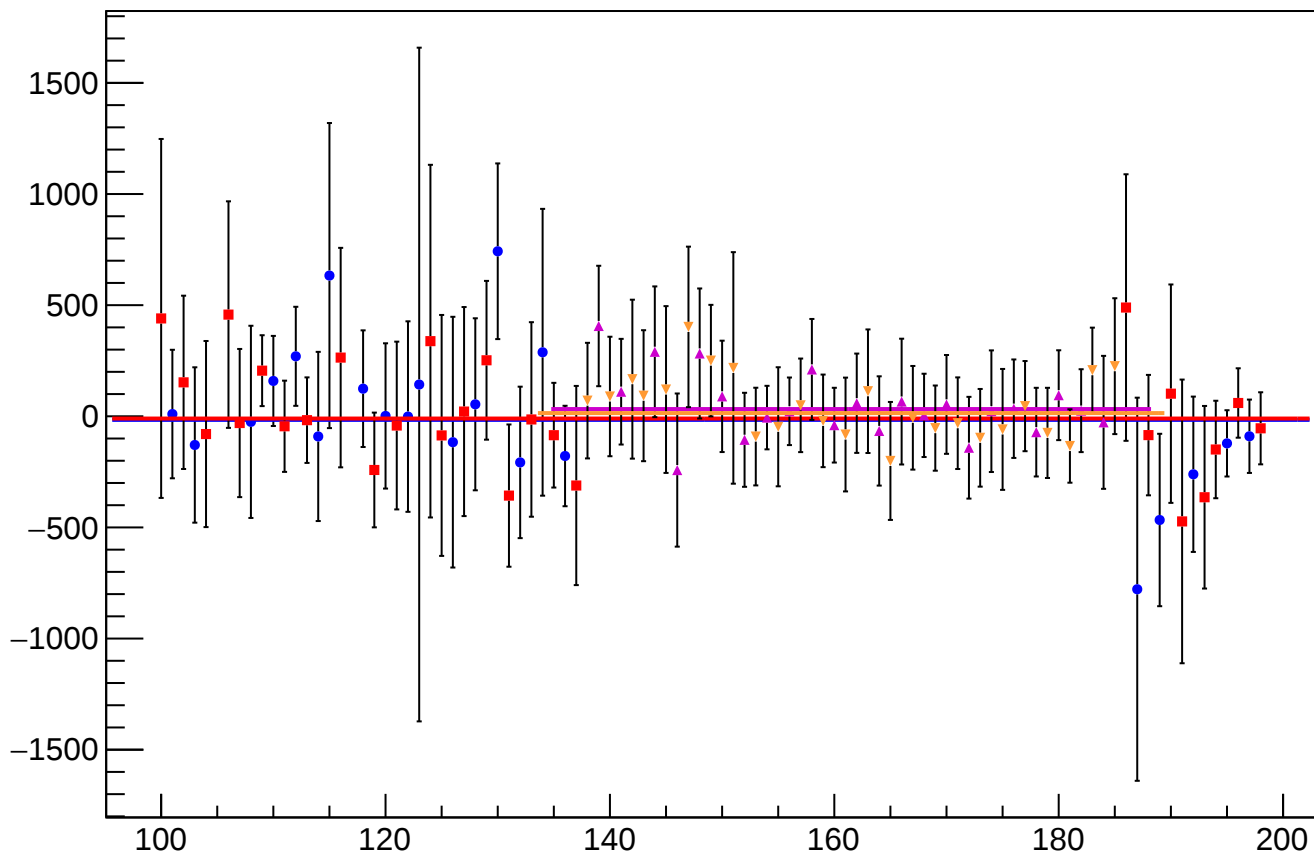
Right: 17.485 $\pm$ 0.003 χ^2 /NDF: 107440.3/48

In: 17.239 $\pm$ 0.002 χ^2 /NDF:155552.1/44

Out: 17.342 $\pm$ 0.002 χ^2 /NDF:159407.3/51

All: 17.293 $\pm$ 0.002 χ^2 /NDF: 315993.6/96

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -16.082 ± 62.810 $\chi^2/\text{NDF}: 11.9/21$

Left Out: 14.362 ± 48.130 $\chi^2/\text{NDF}: 6.9/24$

Right Out: -10.106 ± 55.298 $\chi^2/\text{NDF}: 9.6/26$

Left In: 32.571 ± 45.248 $\chi^2/\text{NDF}: 6.7/22$

Left: 24.028 ± 32.967 $\chi^2/\text{NDF}: 13.7/47$

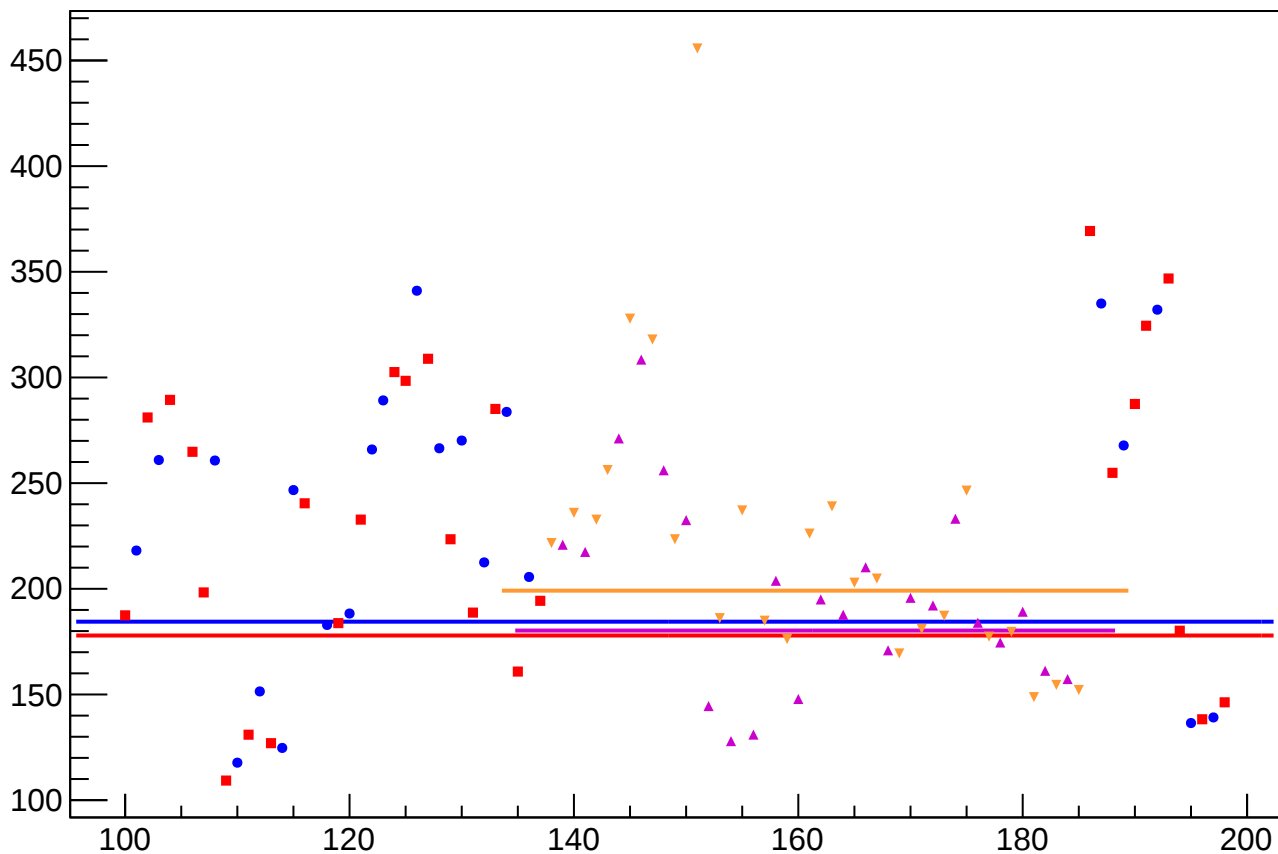
Right: -12.716 ± 41.504 $\chi^2/\text{NDF}: 21.5/48$

In: 15.948 ± 36.713 $\chi^2/\text{NDF}: 19.0/44$

Out: 3.816 ± 36.304 $\chi^2/\text{NDF}: 16.6/51$

All: 9.814 ± 25.814 $\chi^2/\text{NDF}: 35.7/96$

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 184.447 $\pm$ 0.044 χ^2 /NDF: 1878352.1/21

Left Out: 199.136 $\pm$ 0.034 χ^2 /NDF:1760298.1/24

Right Out: 177.904 $\pm$ 0.039 χ^2 /NDF: 2623500.3/26

Left In: 180.256 $\pm$ 0.032 χ^2 /NDF:1580553.5/22

Left: 189.114 $\pm$ 0.023 χ^2 /NDF: 3504211.1/47

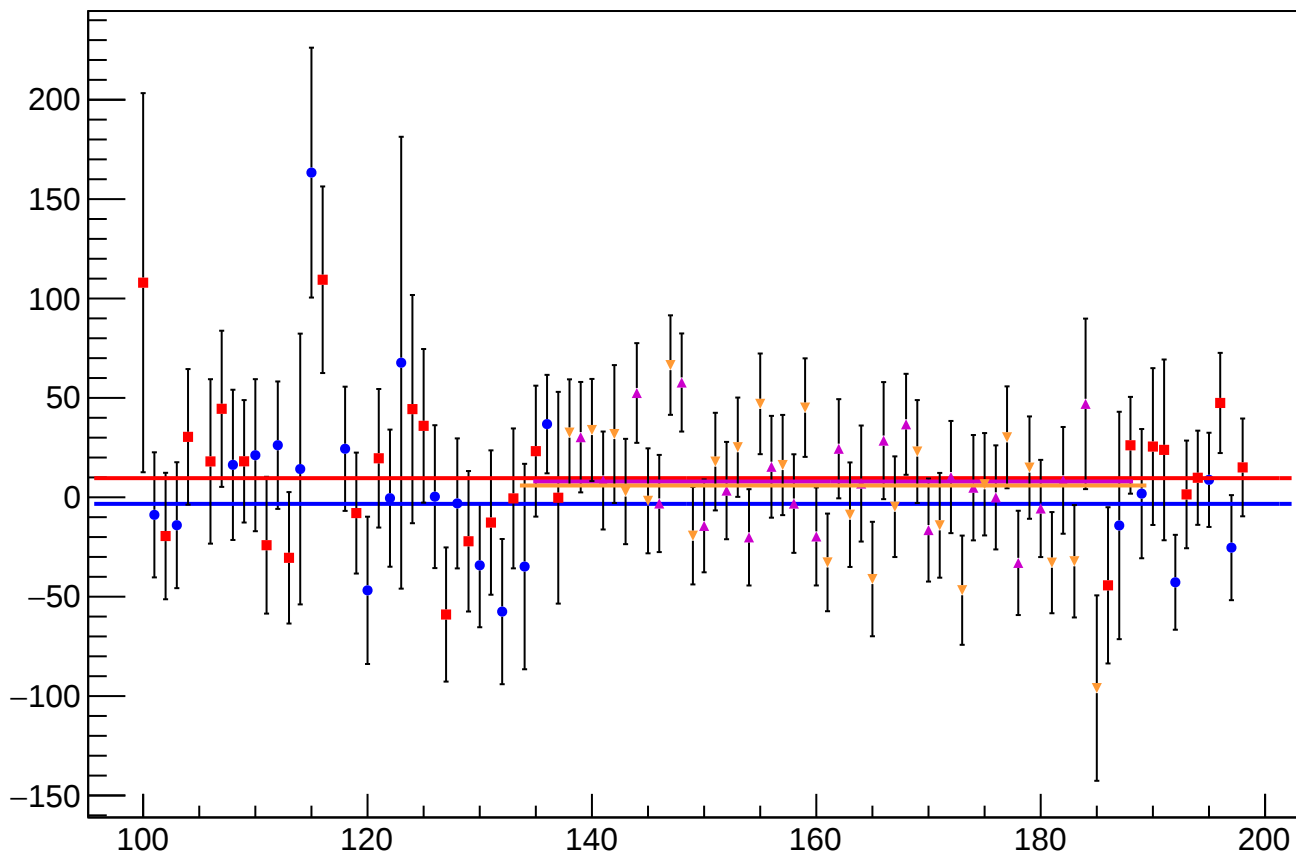
Right: 180.761 $\pm$ 0.029 χ^2 /NDF: 4514079.9/48

In: 181.688 $\pm$ 0.026 χ^2 /NDF:3464767.2/44

Out: 189.984 $\pm$ 0.026 χ^2 /NDF:4551558.5/51

All: 185.883 $\pm$ 0.018 χ^2 /NDF: 8067960.5/96

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.304 ± 7.214 χ^2/NDF : 21.3/21

Left Out: 5.937 ± 5.285 χ^2/NDF : 36.1/24

Right Out: 9.629 ± 6.497 χ^2/NDF : 22.0/26

Left In: 7.915 ± 5.422 χ^2/NDF : 18.7/22

Left: 6.901 ± 3.784 χ^2/NDF : 54.9/47

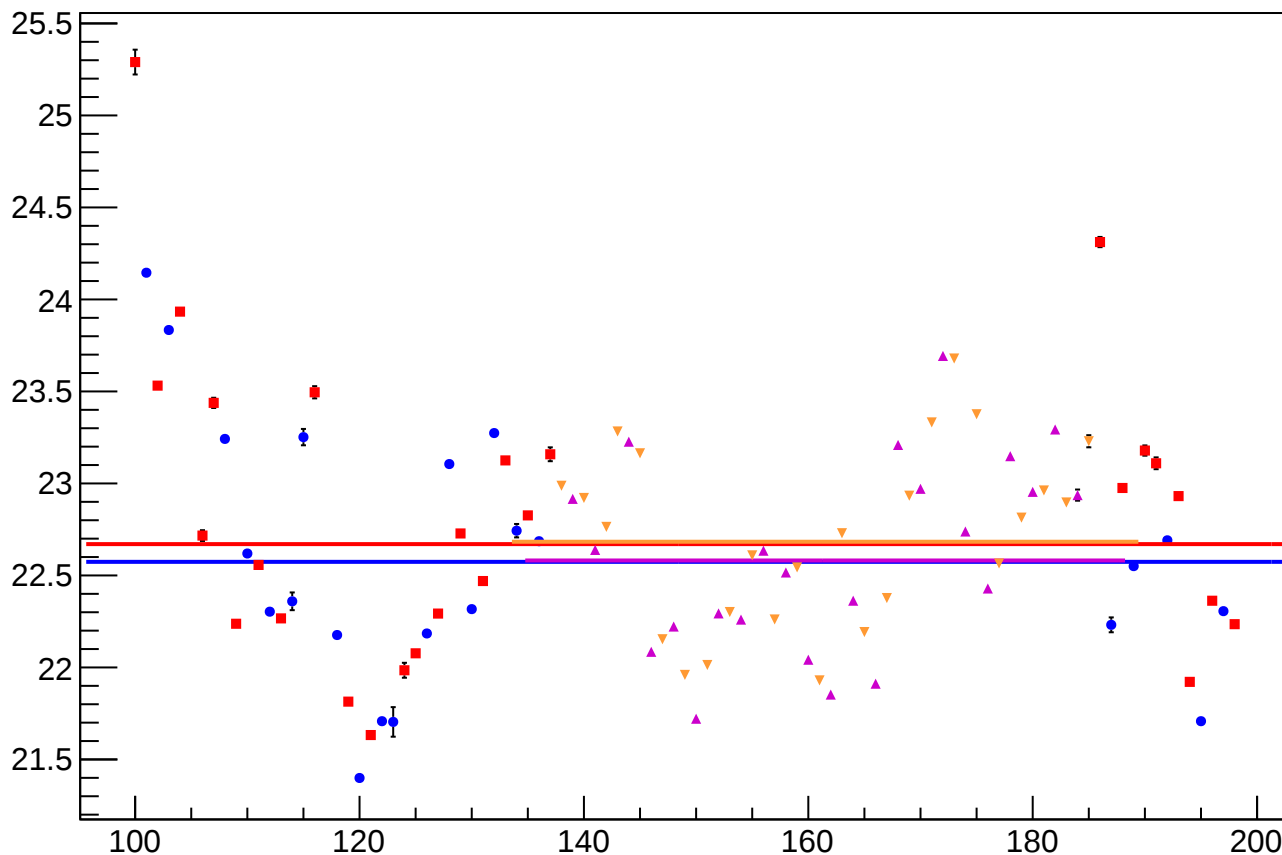
Right: 3.836 ± 4.828 χ^2/NDF : 45.0/48

In: 3.865 ± 4.334 χ^2/NDF : 41.5/44

Out: 7.407 ± 4.100 χ^2/NDF : 58.3/51

All: 5.735 ± 2.978 χ^2/NDF : 100.2/96

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.574+/-0.005 χ^2/NDF : 17580.9/21

Left Out: 22.683+/-0.004 χ^2/NDF :16320.2/24

Right Out: 22.670+/-0.005 χ^2/NDF : 20226.6/26

Left In: 22.581+/-0.004 χ^2/NDF :17904.5/22

Left: 22.634+/-0.003 χ^2/NDF : 34586.9/47

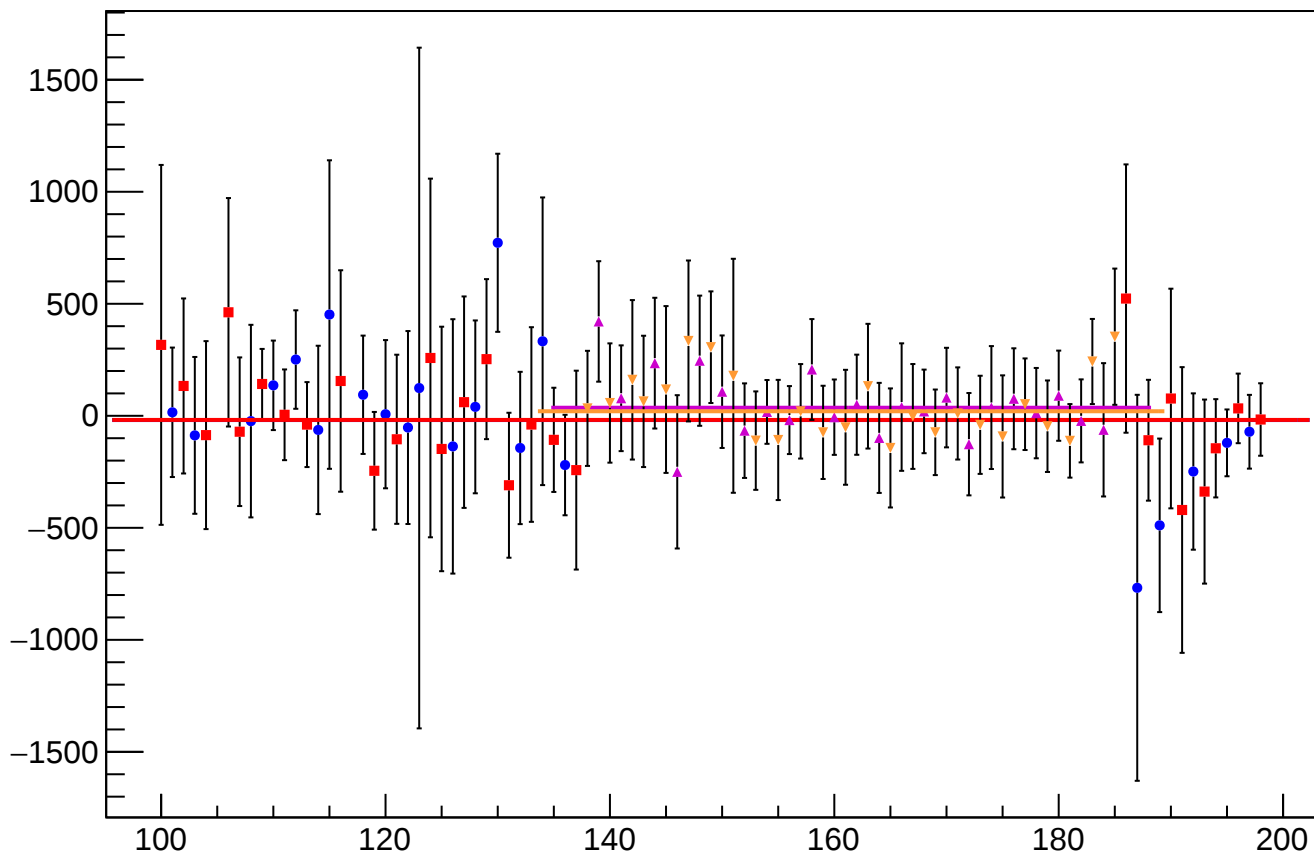
Right: 22.627+/-0.003 χ^2/NDF : 38004.6/48

In: 22.579+/-0.003 χ^2/NDF :35486.7/44

Out: 22.678+/-0.003 χ^2/NDF :36551.6/51

All: 22.631+/-0.002 χ^2/NDF : 72593.7/96

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -18.926 ± 62.619 $\chi^2/\text{NDF}: 11.3/21$

Left Out: 20.306 ± 48.049 $\chi^2/\text{NDF}: 7.7/24$

Right Out: -18.414 ± 55.001 $\chi^2/\text{NDF}: 7.7/26$

Left In: 35.996 ± 45.180 $\chi^2/\text{NDF}: 6.1/22$

Left: 28.633 ± 32.915 $\chi^2/\text{NDF}: 13.8/47$

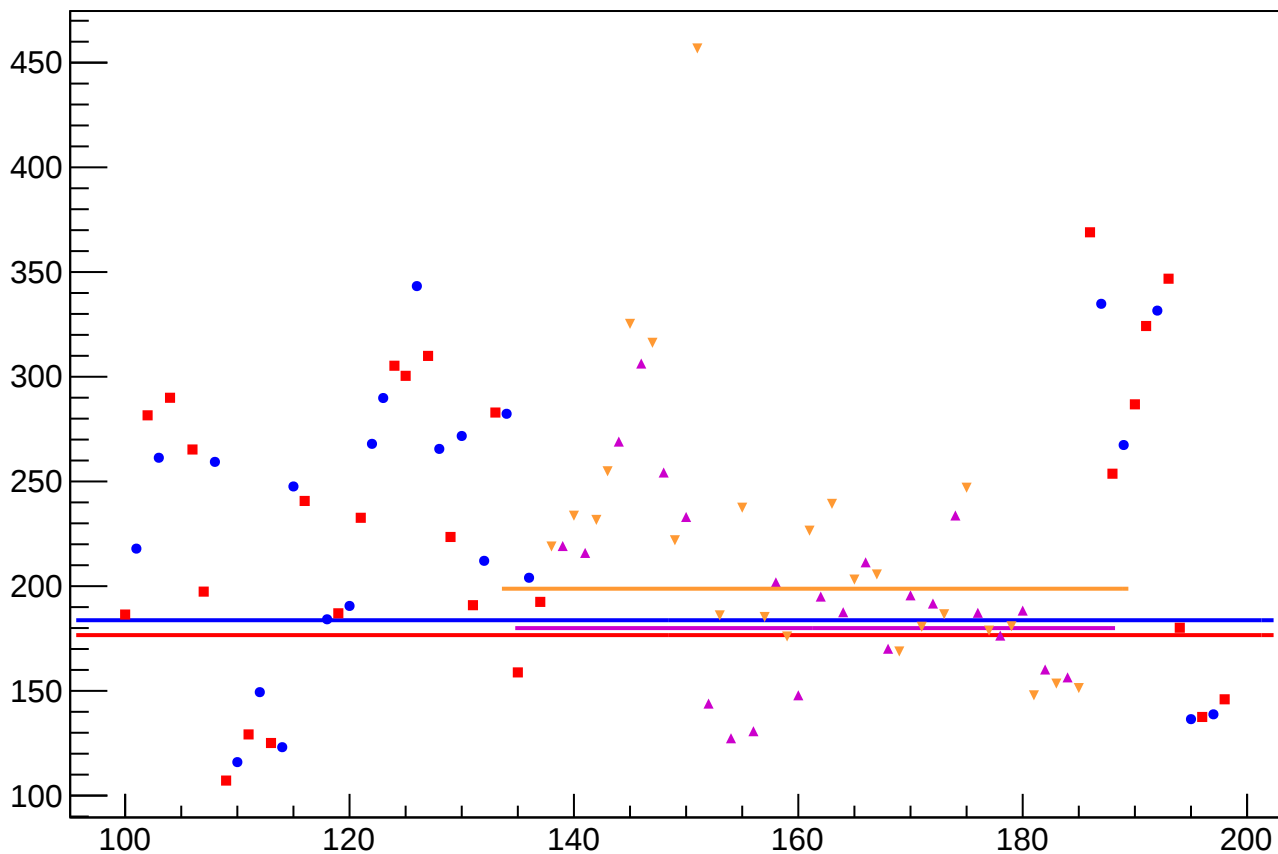
Right: -18.637 ± 41.324 $\chi^2/\text{NDF}: 19.0/48$

In: 17.193 ± 36.639 $\chi^2/\text{NDF}: 17.9/44$

Out: 3.547 ± 36.185 $\chi^2/\text{NDF}: 15.6/51$

All: 10.285 ± 25.746 $\chi^2/\text{NDF}: 33.6/96$

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 183.736 $\pm$ 0.044 χ^2 /NDF: 1910673.6/21

Left Out: 198.784 $\pm$ 0.034 χ^2 /NDF:1758481.8/24

Right Out: 176.625 $\pm$ 0.039 χ^2 /NDF: 2697946.6/26

Left In: 179.972 $\pm$ 0.032 χ^2 /NDF:1575888.3/22

Left: 188.800 $\pm$ 0.023 χ^2 /NDF: 3497081.8/47

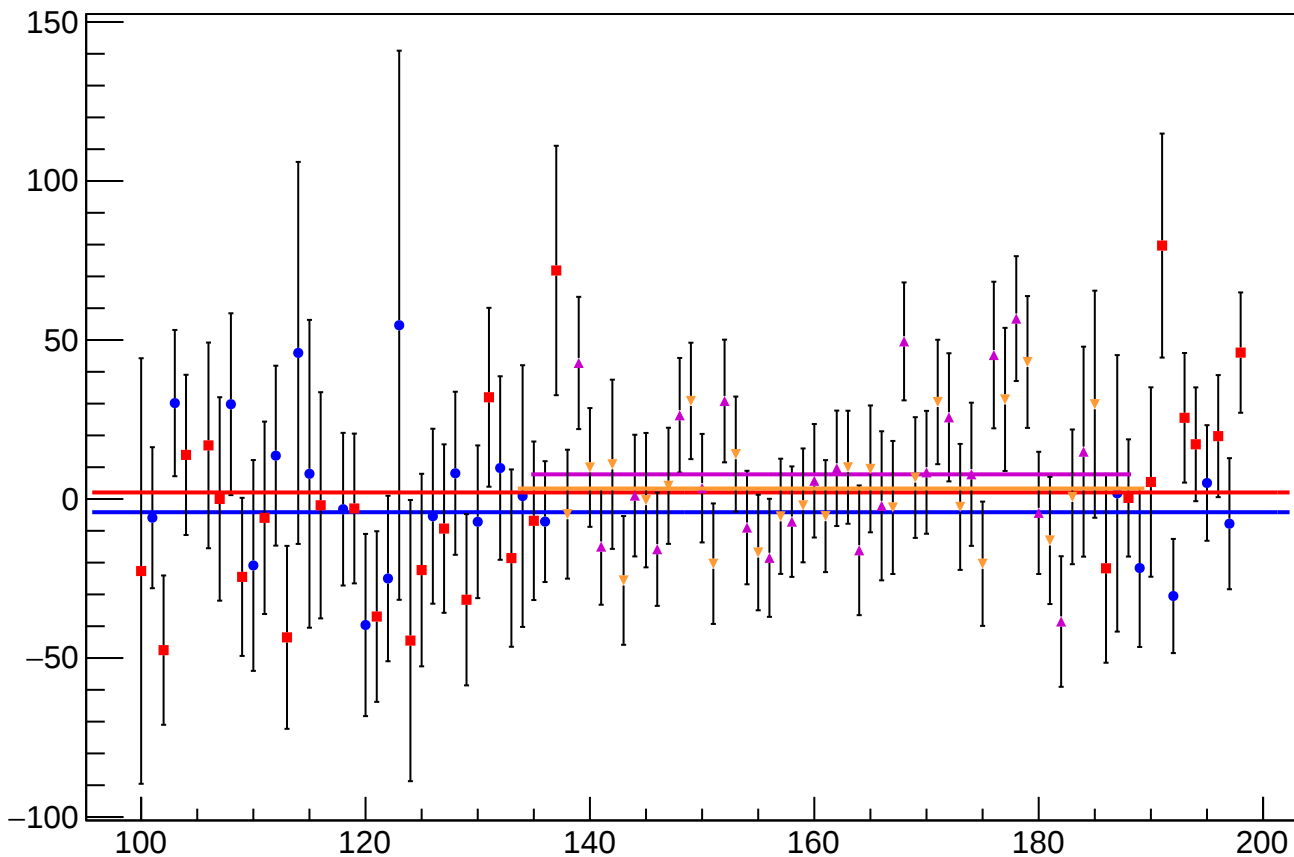
Right: 179.722 $\pm$ 0.029 χ^2 /NDF: 4623179.9/48

In: 181.261 $\pm$ 0.026 χ^2 /NDF:3491313.1/44

Out: 189.193 $\pm$ 0.026 χ^2 /NDF:4640555.4/51

All: 185.276 $\pm$ 0.018 χ^2 /NDF: 8179319.2/96

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.152 ± 5.560 $\chi^2/\text{NDF}: 11.2/21$

Left Out: 3.307 ± 3.954 $\chi^2/\text{NDF}: 18.7/24$

Right Out: 2.067 ± 5.018 $\chi^2/\text{NDF}: 33.2/26$

Left In: 7.756 ± 4.061 $\chi^2/\text{NDF}: 34.3/22$

Left: 5.472 ± 2.833 $\chi^2/\text{NDF}: 53.6/47$

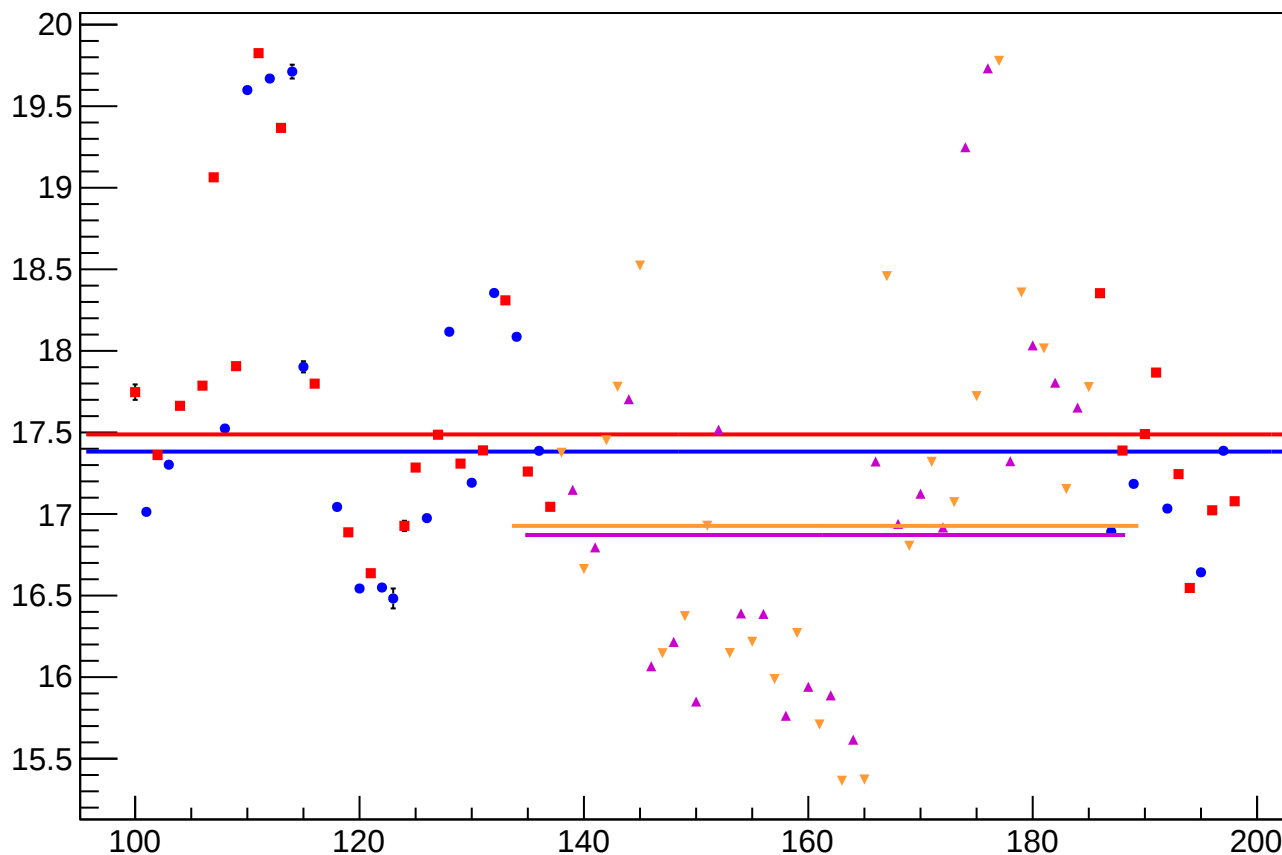
Right: -0.725 ± 3.725 $\chi^2/\text{NDF}: 45.1/48$

In: 3.613 ± 3.279 $\chi^2/\text{NDF}: 48.4/44$

Out: 2.832 ± 3.105 $\chi^2/\text{NDF}: 52.0/51$

All: 3.202 ± 2.255 $\chi^2/\text{NDF}: 100.4/96$

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.383 $\pm$ 0.004 χ^2 /NDF: 39788.9/21

Left Out: 16.927 $\pm$ 0.003 χ^2 /NDF:138533.2/24

Right Out: 17.488 $\pm$ 0.004 χ^2 /NDF: 42325.1/26

Left In: 16.871 $\pm$ 0.003 χ^2 /NDF:117993.8/22

Left: 16.900 $\pm$ 0.002 χ^2 /NDF: 256722.4/47

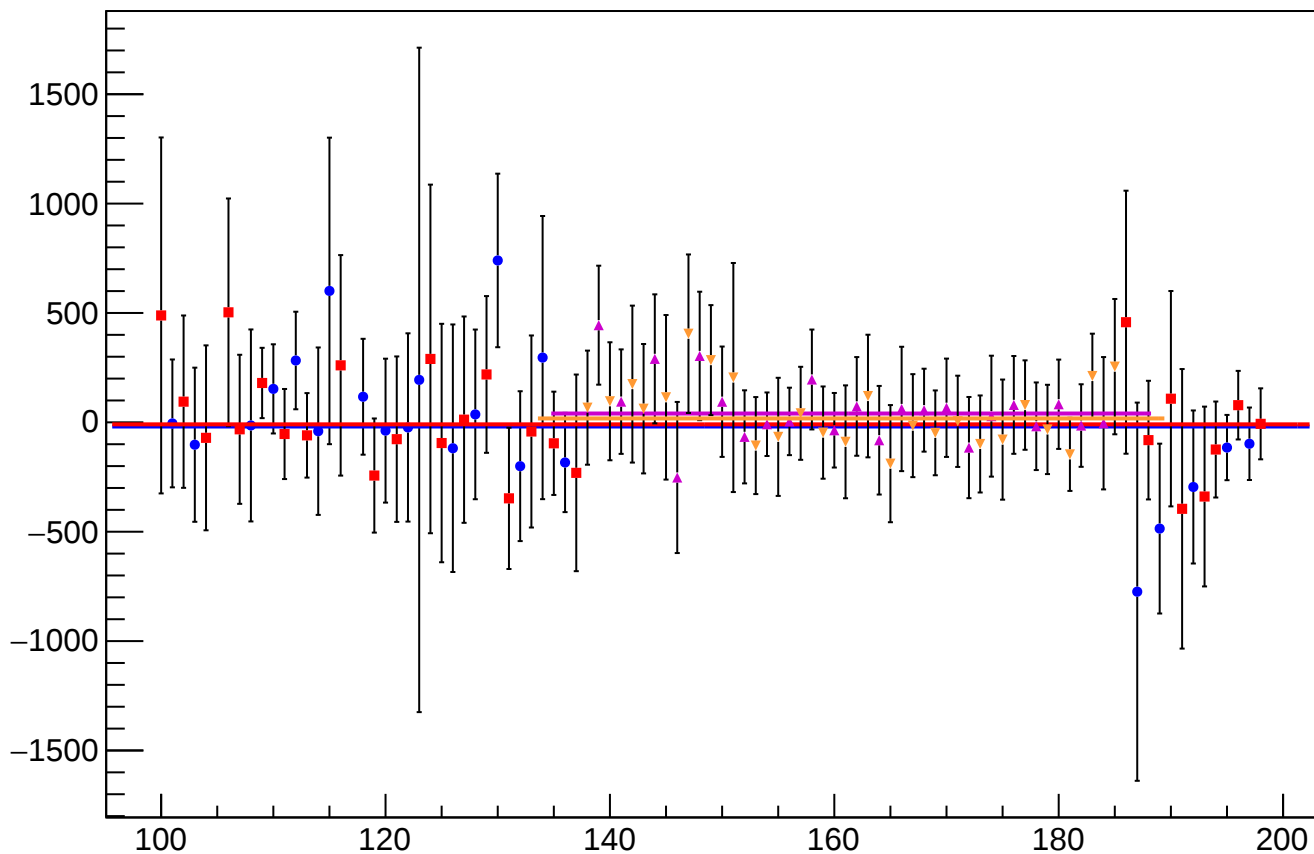
Right: 17.441 $\pm$ 0.003 χ^2 /NDF: 82509.2/48

In: 17.049 $\pm$ 0.002 χ^2 /NDF:168815.7/44

Out: 17.142 $\pm$ 0.002 χ^2 /NDF:196261.4/51

All: 17.098 $\pm$ 0.002 χ^2 /NDF: 365922.5/96

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -18.999 ± 63.079 $\chi^2/\text{NDF}: 11.9/21$

Left Out: 17.828 ± 48.547 $\chi^2/\text{NDF}: 7.5/24$

Right Out: -9.143 ± 55.573 $\chi^2/\text{NDF}: 8.4/26$

Left In: 40.355 ± 45.689 $\chi^2/\text{NDF}: 6.6/22$

Left: 29.774 ± 33.271 $\chi^2/\text{NDF}: 14.2/47$

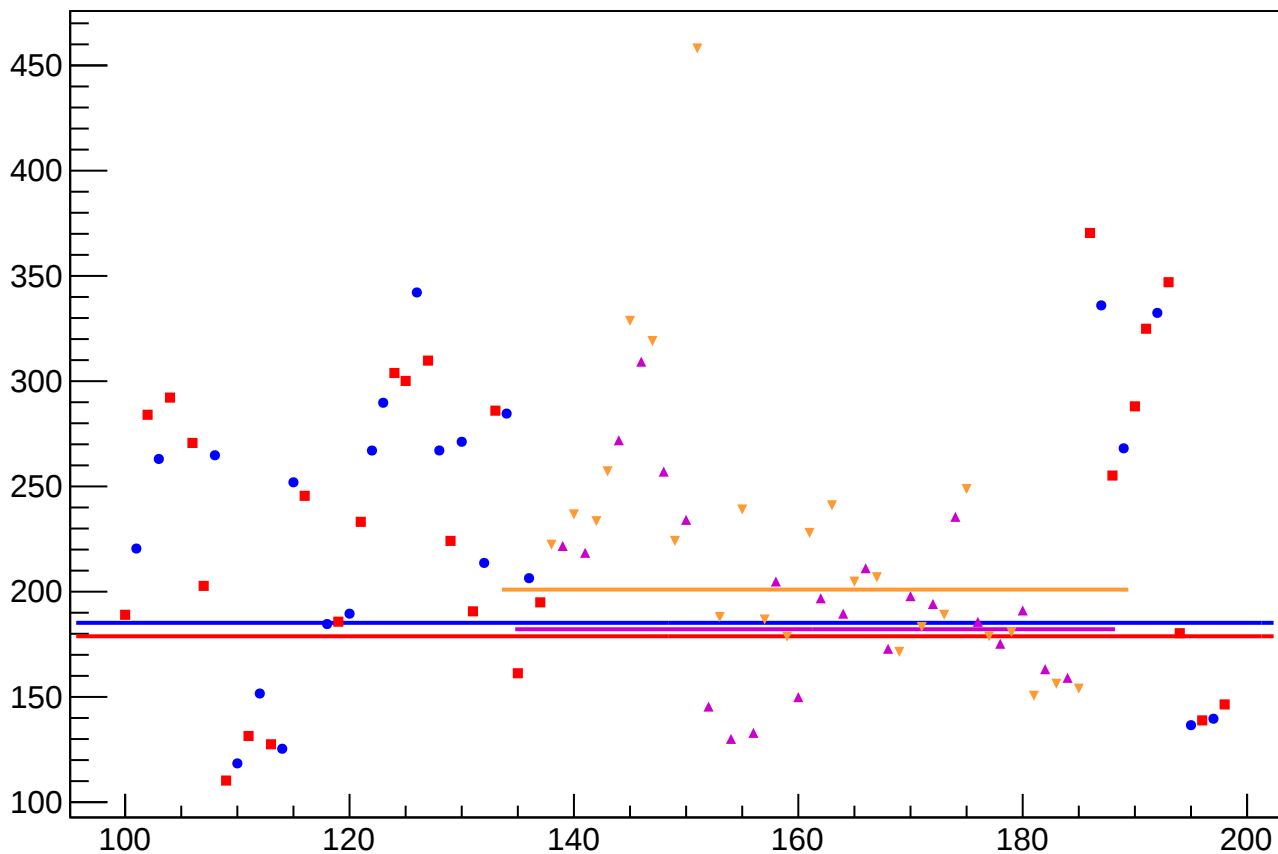
Right: -13.450 ± 41.698 $\chi^2/\text{NDF}: 20.4/48$

In: 19.931 ± 37.002 $\chi^2/\text{NDF}: 19.1/44$

Out: 6.154 ± 36.561 $\chi^2/\text{NDF}: 16.0/51$

All: 12.960 ± 26.007 $\chi^2/\text{NDF}: 35.2/96$

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 185.208 ± 0.045 χ^2/NDF : 1887505.3/21

Left Out: 200.985 ± 0.034 χ^2/NDF : 1727291.4/24

Right Out: 178.815 ± 0.039 χ^2/NDF : 2627194.9/26

Left In: 182.158 ± 0.032 χ^2/NDF : 1535922.8/22

Left: 191.001 ± 0.024 χ^2/NDF : 3422724.8/47

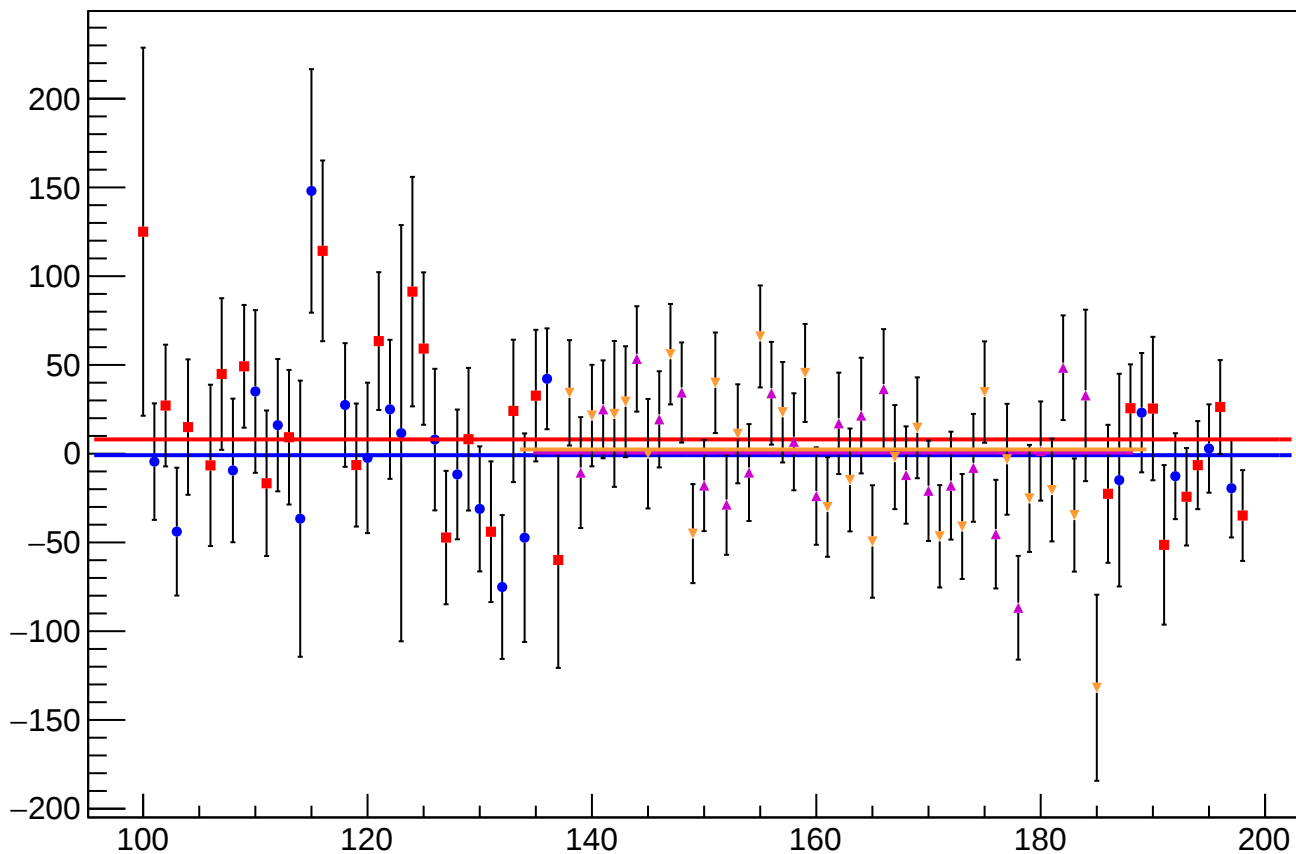
Right: 181.609 ± 0.029 χ^2/NDF : 4526264.6/48

In: 183.208 ± 0.026 χ^2/NDF : 3426494.3/44

Out: 191.389 ± 0.026 χ^2/NDF : 4535015.1/51

All: 187.348 ± 0.018 χ^2/NDF : 8010988.3/96

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.848 ± 7.882 χ^2/NDF : 16.8/21

Left Out: 2.390 ± 5.980 χ^2/NDF : 39.1/24

Right Out: 8.052 ± 7.008 χ^2/NDF : 27.7/26

Left In: 0.641 ± 6.091 χ^2/NDF : 27.3/22

Left: 1.531 ± 4.267 χ^2/NDF : 66.5/47

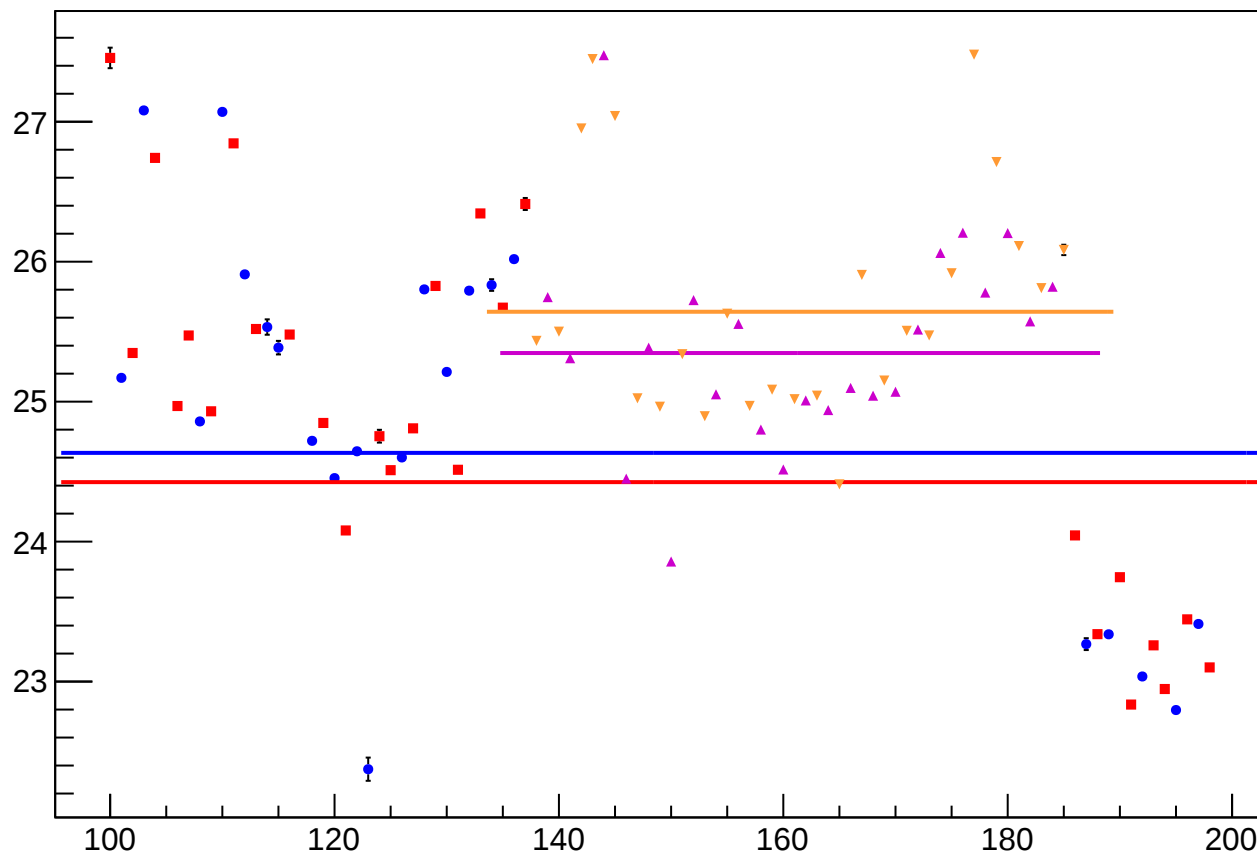
Right: 4.122 ± 5.237 χ^2/NDF : 45.2/48

In: 0.084 ± 4.820 χ^2/NDF : 44.1/44

Out: 4.775 ± 4.549 χ^2/NDF : 67.2/51

All: 2.565 ± 3.308 χ^2/NDF : 111.8/96

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 24.634 $\pm$ 0.006 χ^2/NDF : 56432.8/21

Left Out: 25.642 $\pm$ 0.004 χ^2/NDF : 34802.2/24

Right Out: 24.425 $\pm$ 0.005 χ^2/NDF : 60051.2/26

Left In: 25.347 $\pm$ 0.004 χ^2/NDF : 29389.5/22

Left: 25.498 $\pm$ 0.003 χ^2/NDF : 66578.5/47

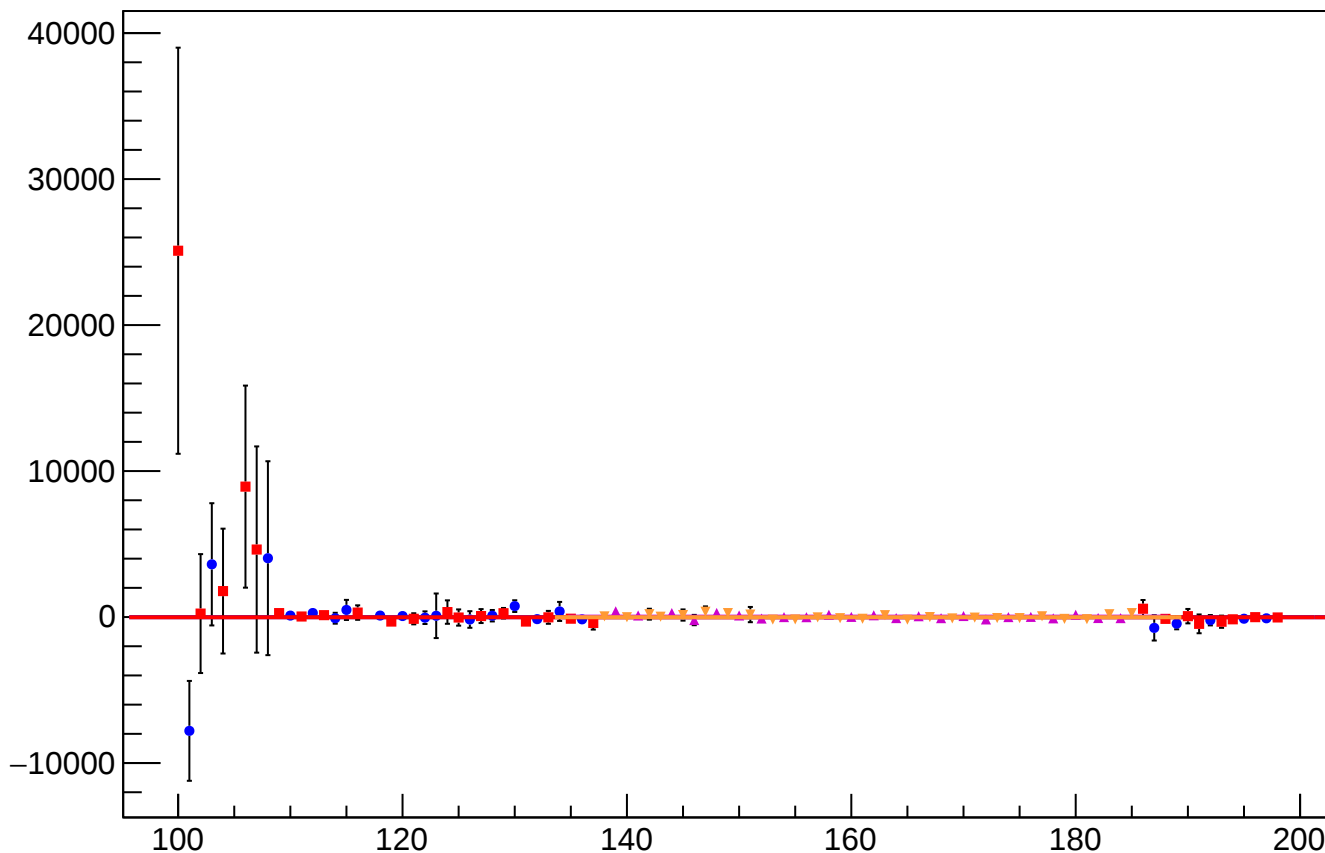
Right: 24.517 $\pm$ 0.004 χ^2/NDF : 117269.6/48

In: 25.081 $\pm$ 0.003 χ^2/NDF : 96080.3/44

Out: 25.129 $\pm$ 0.003 χ^2/NDF : 129773.6/51

All: 25.106 $\pm$ 0.002 χ^2/NDF : 225962.0/96

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -8.208 ± 67.285 $\chi^2/\text{NDF}: 16.7/21$

Left Out: -11.432 ± 48.263 $\chi^2/\text{NDF}: 8.0/24$

Right Out: -15.302 ± 60.414 $\chi^2/\text{NDF}: 14.7/26$

Left In: 27.098 ± 45.999 $\chi^2/\text{NDF}: 7.2/22$

Left: 8.758 ± 33.298 $\chi^2/\text{NDF}: 15.5/47$

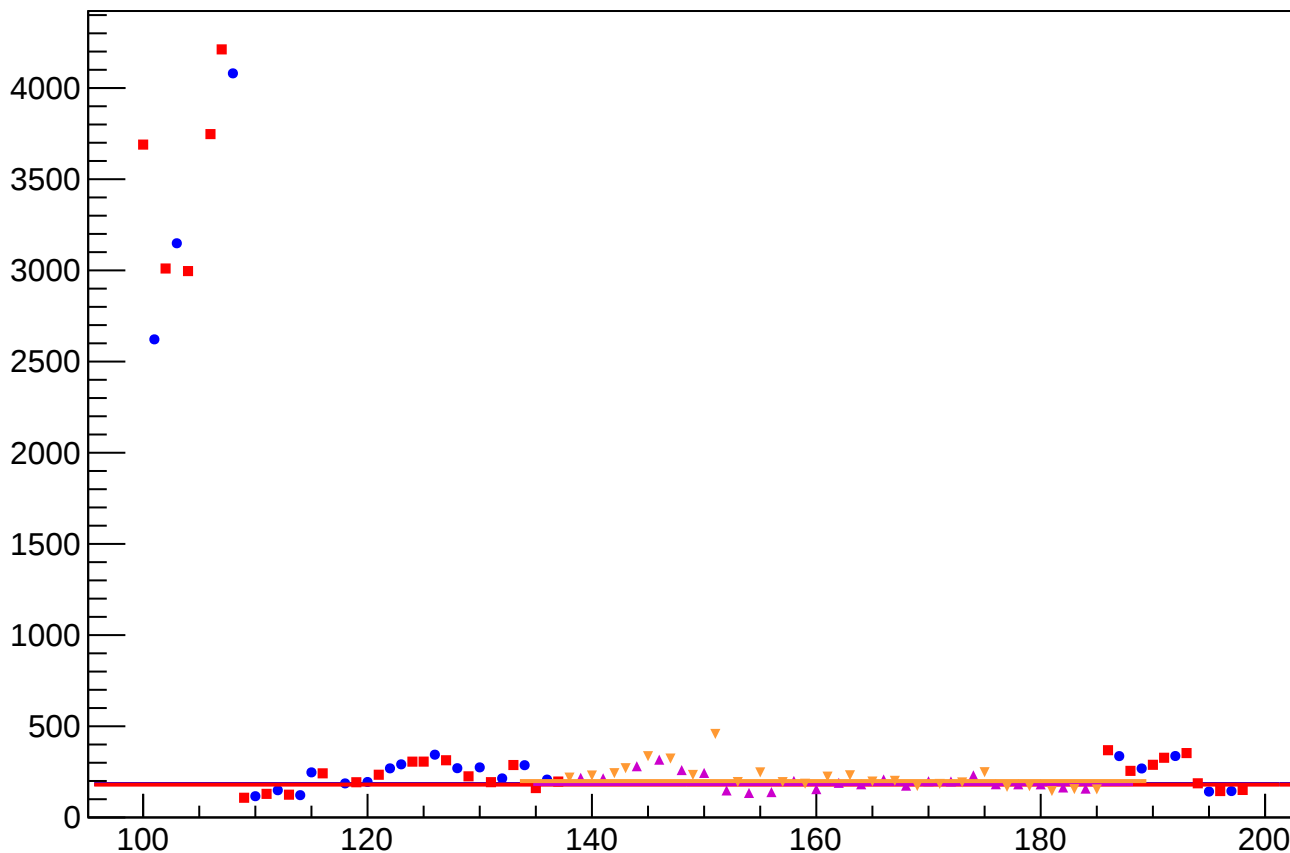
Right: -12.136 ± 44.953 $\chi^2/\text{NDF}: 31.4/48$

In: 15.853 ± 37.973 $\chi^2/\text{NDF}: 24.1/44$

Out: -12.940 ± 37.708 $\chi^2/\text{NDF}: 22.7/51$

All: 1.356 ± 26.757 $\chi^2/\text{NDF}: 47.1/96$

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 183.318+/-0.048 χ^2/NDF : 4369437.8/21

Left Out: 199.438+/-0.034 χ^2/NDF :1877848.7/24

Right Out: 180.227+/-0.043 χ^2/NDF : 5270095.3/26

Left In: 183.805+/-0.033 χ^2/NDF :1412869.6/22

Left: 191.246+/-0.024 χ^2/NDF : 3400676.1/47

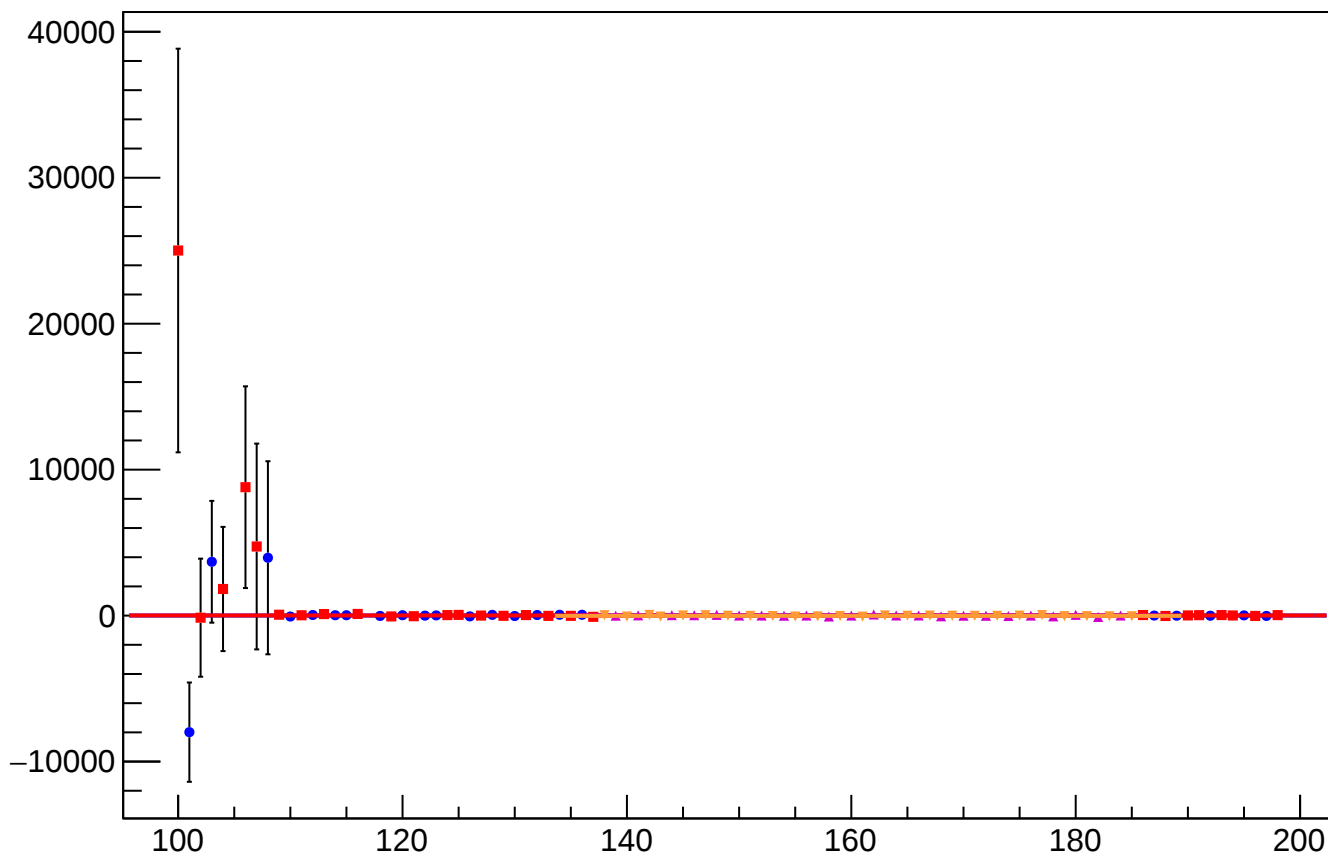
Right: 181.607+/-0.032 χ^2/NDF : 9641869.8/48

In: 183.650+/-0.027 χ^2/NDF :5782378.9/44

Out: 191.954+/-0.027 χ^2/NDF :7271390.1/51

All: 187.831+/-0.019 χ^2/NDF : 13101927.7/96

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.594+/-9.605 χ^2/NDF : 19.6/21

Left Out: -18.118+/-6.704 χ^2/NDF :21.7/24

Right Out: 10.996+/-8.720 χ^2/NDF : 28.2/26

Left In: 1.267+/-6.908 χ^2/NDF :32.0/22

Left: -8.716+/-4.811 χ^2/NDF : 57.8/47

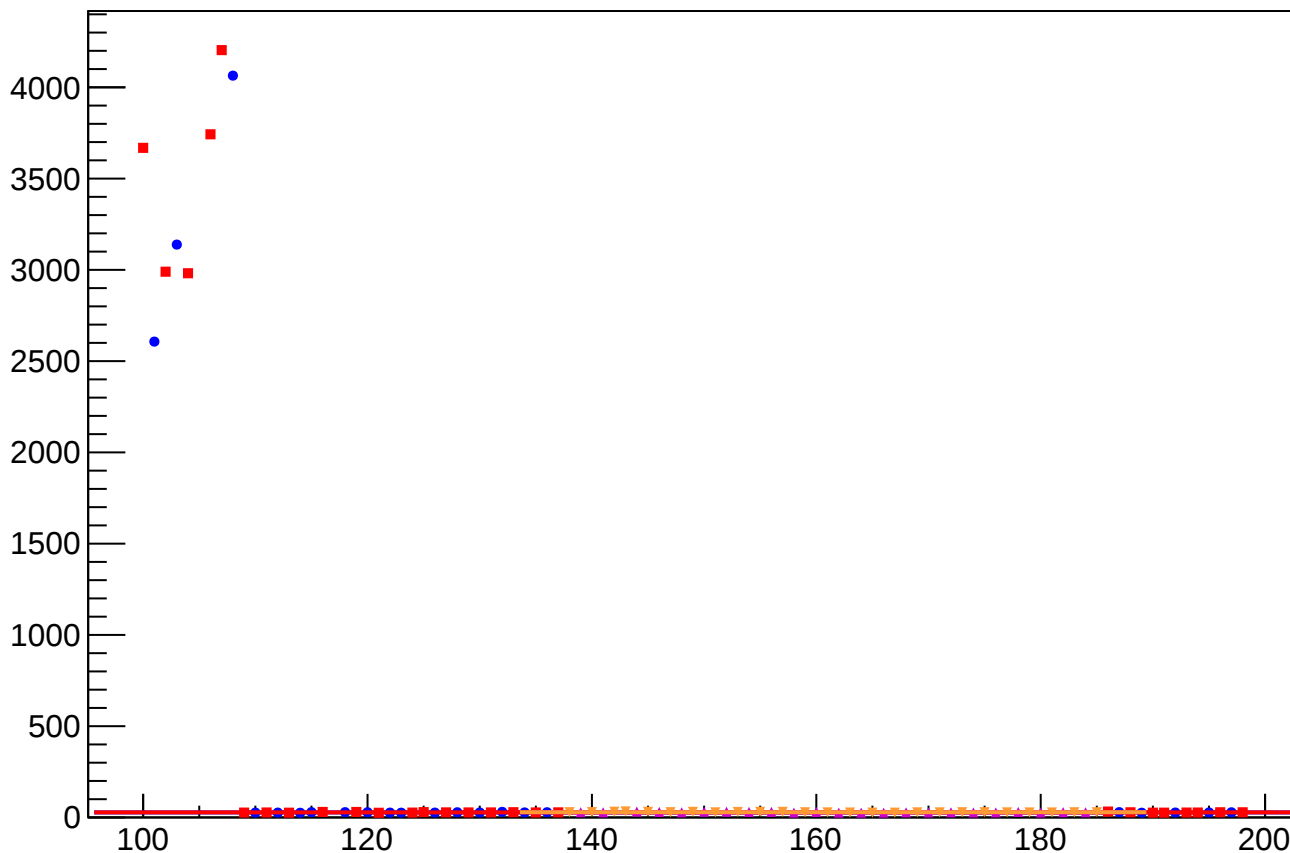
Right: 8.556+/-6.456 χ^2/NDF : 47.9/48

In: 2.743+/-5.608 χ^2/NDF :51.7/44

Out: -7.302+/-5.315 χ^2/NDF :56.9/51

All: -2.550+/-3.858 χ^2/NDF : 110.3/96

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.629 $\pm$ 0.007 χ^2 /NDF: 3034285.8/21

Left Out: 28.694 $\pm$ 0.005 χ^2 /NDF:110466.9/24

Right Out: 27.741 $\pm$ 0.006 χ^2 /NDF: 3500643.0/26

Left In: 28.677 $\pm$ 0.005 χ^2 /NDF:123814.4/22

Left: 28.685 $\pm$ 0.003 χ^2 /NDF: 234287.5/47

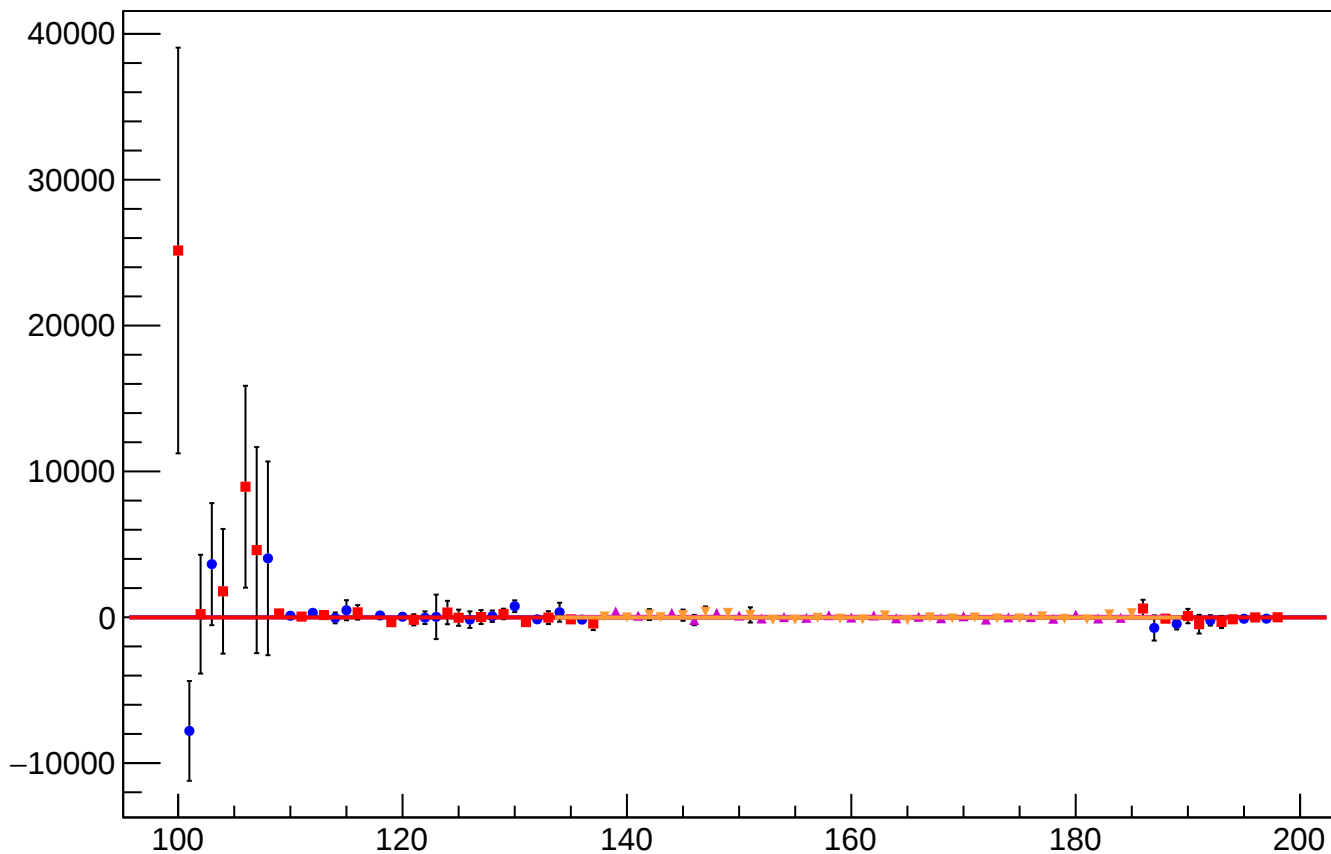
Right: 27.690 $\pm$ 0.005 χ^2 /NDF: 6535077.9/48

In: 28.320 $\pm$ 0.004 χ^2 /NDF:3173789.2/44

Out: 28.340 $\pm$ 0.004 χ^2 /NDF:3626119.3/51

All: 28.330 $\pm$ 0.003 χ^2 /NDF: 6799922.2/96

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -4.264 ± 67.086 $\chi^2/\text{NDF}: 17.0/21$

Left Out: -13.878 ± 48.155 $\chi^2/\text{NDF}: 8.8/24$

Right Out: -14.940 ± 60.239 $\chi^2/\text{NDF}: 15.4/26$

Left In: 27.286 ± 45.907 $\chi^2/\text{NDF}: 7.5/22$

Left: 7.688 ± 33.228 $\chi^2/\text{NDF}: 16.7/47$

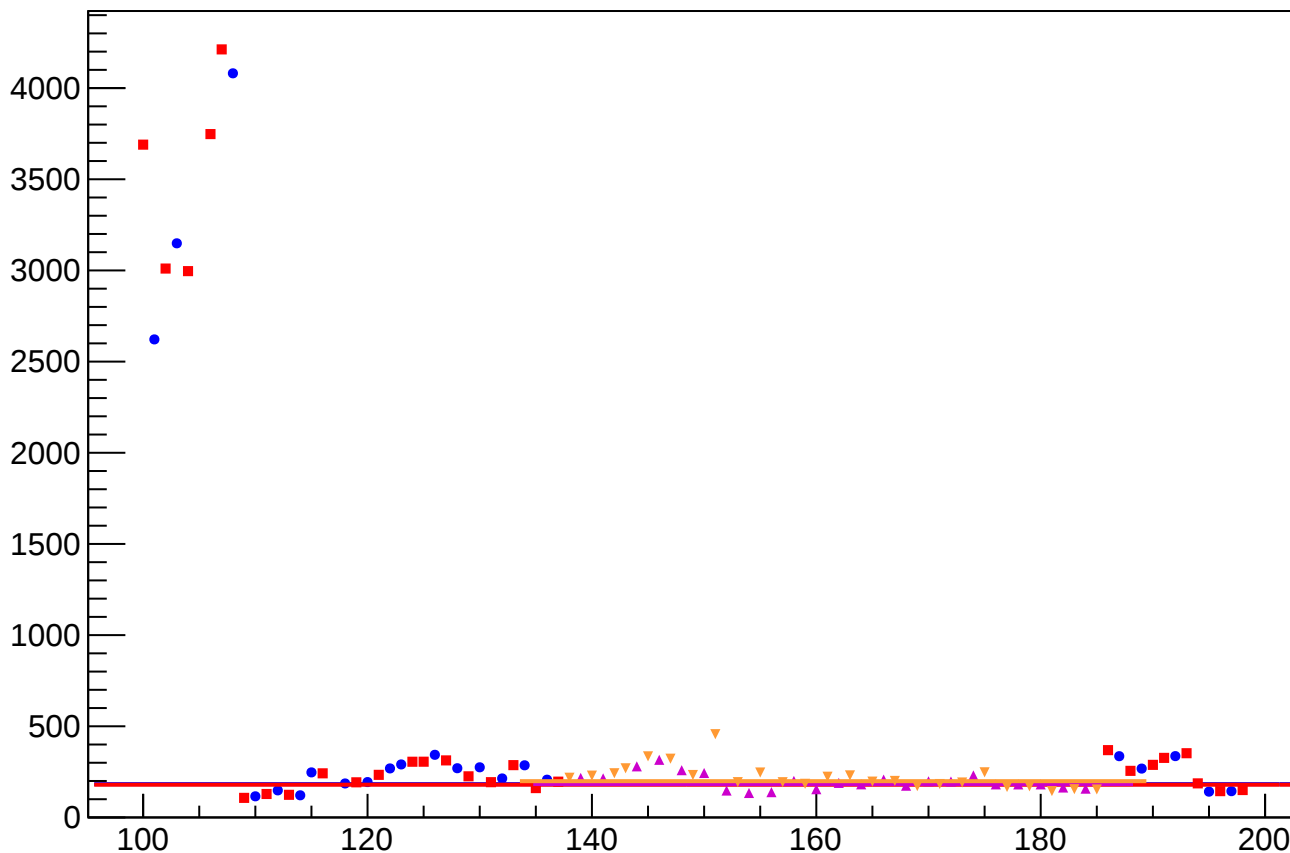
Right: -10.174 ± 44.821 $\chi^2/\text{NDF}: 32.4/48$

In: 17.224 ± 37.886 $\chi^2/\text{NDF}: 24.6/44$

Out: -14.292 ± 37.614 $\chi^2/\text{NDF}: 24.2/51$

All: 1.353 ± 26.693 $\chi^2/\text{NDF}: 49.2/96$

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 182.697 $\pm$ 0.047 χ^2 /NDF: 4382534.5/21

Left Out: 198.997 $\pm$ 0.034 χ^2 /NDF:1877636.0/24

Right Out: 179.619 $\pm$ 0.043 χ^2 /NDF: 5288192.1/26

Left In: 183.442 $\pm$ 0.032 χ^2 /NDF:1412341.8/22

Left: 190.847 $\pm$ 0.023 χ^2 /NDF: 3399302.2/47

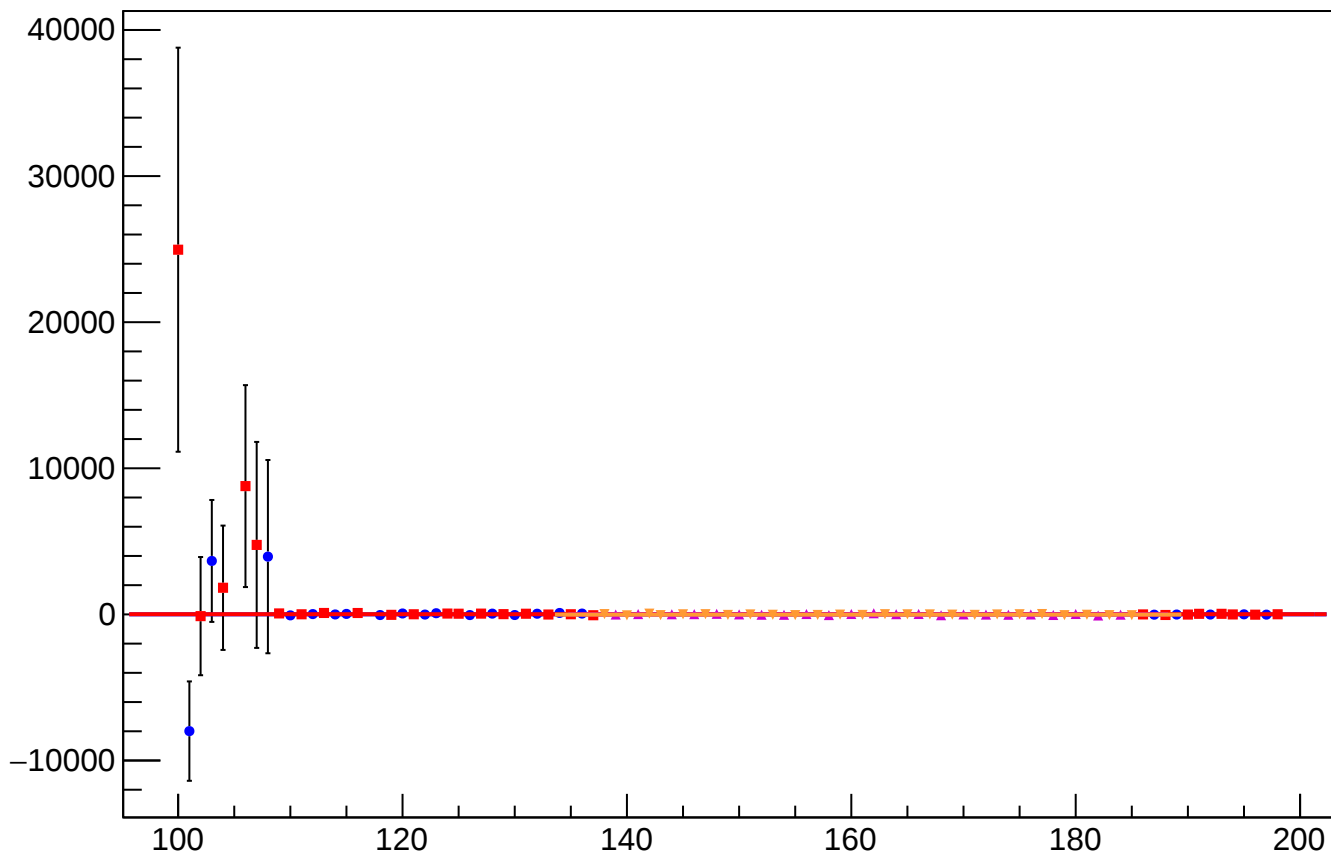
Right: 180.993 $\pm$ 0.032 χ^2 /NDF: 9673058.1/48

In: 183.204 $\pm$ 0.027 χ^2 /NDF:5795044.0/44

Out: 191.441 $\pm$ 0.027 χ^2 /NDF:7292094.7/51

All: 187.352 $\pm$ 0.019 χ^2 /NDF: 13134751.9/96

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.697+/-9.626 χ^2/NDF : 23.6/21

Left Out: -15.829+/-6.733 χ^2/NDF :16.5/24

Right Out: 13.539+/-8.734 χ^2/NDF : 23.5/26

Left In: -0.498+/-6.937 χ^2/NDF :26.1/22

Left: -8.392+/-4.831 χ^2/NDF : 45.1/47

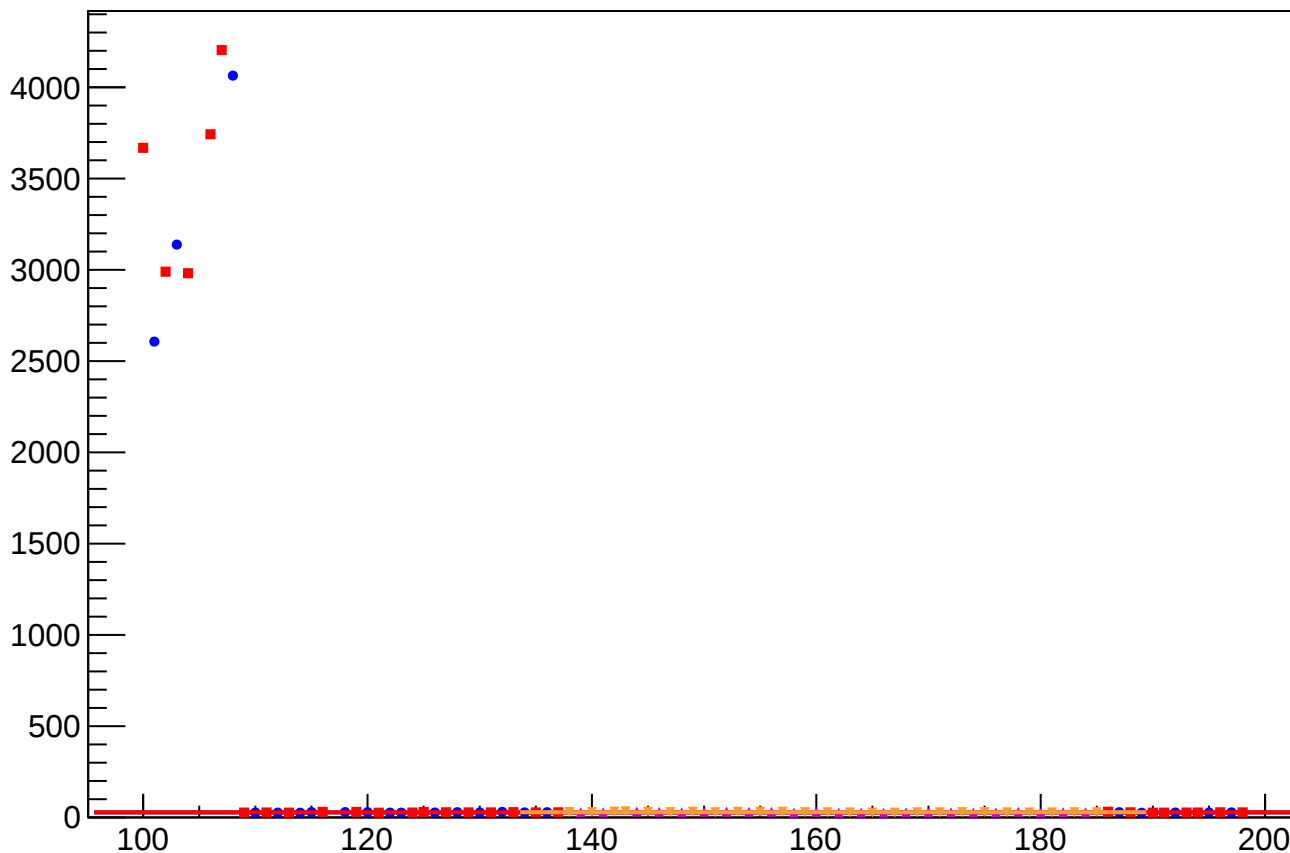
Right: 8.644+/-6.468 χ^2/NDF : 47.8/48

In: 0.594+/-5.628 χ^2/NDF :49.7/44

Out: -4.881+/-5.332 χ^2/NDF :47.1/51

All: -2.291+/-3.871 χ^2/NDF : 97.3/96

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.685 $\pm$ 0.007 χ^2 /NDF: 3036075.7/21

Left Out: 28.814 $\pm$ 0.005 χ^2 /NDF:122153.6/24

Right Out: 27.786 $\pm$ 0.006 χ^2 /NDF: 3497672.3/26

Left In: 28.797 $\pm$ 0.005 χ^2 /NDF:128279.2/22

Left: 28.806 $\pm$ 0.003 χ^2 /NDF: 250439.0/47

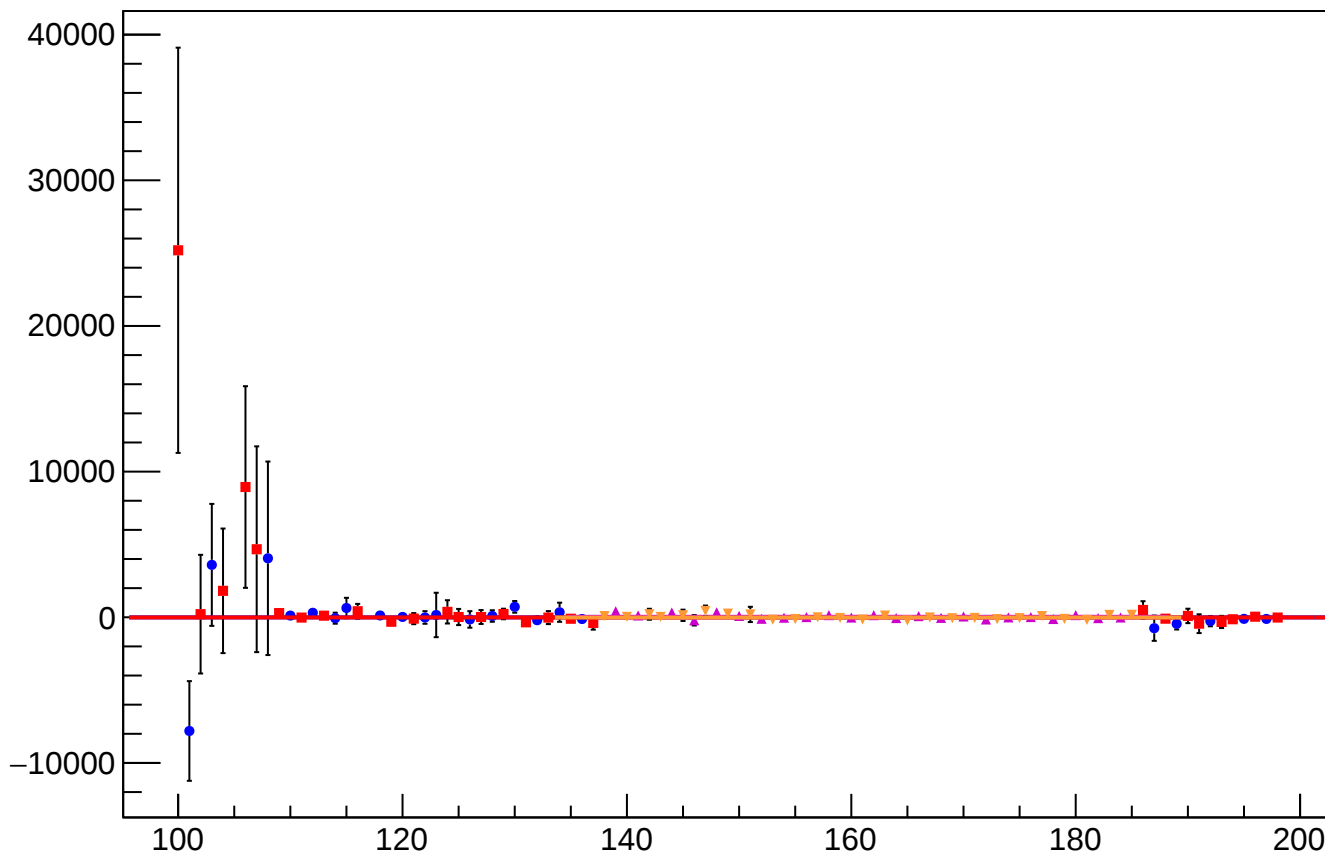
Right: 27.740 $\pm$ 0.005 χ^2 /NDF: 6533869.2/48

In: 28.417 $\pm$ 0.004 χ^2 /NDF:3181940.7/44

Out: 28.431 $\pm$ 0.004 χ^2 /NDF:3637218.7/51

All: 28.424 $\pm$ 0.003 χ^2 /NDF: 6819165.8/96

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -6.495+/-67.642 χ^2/NDF : 17.4/21

Left Out: -13.966+/-48.735 χ^2/NDF : 8.1/24

Right Out: -11.443+/-60.815 χ^2/NDF : 14.6/26

Left In: 31.477+/-46.483 χ^2/NDF : 7.8/22

Left: 9.830+/-33.637 χ^2/NDF : 16.4/47

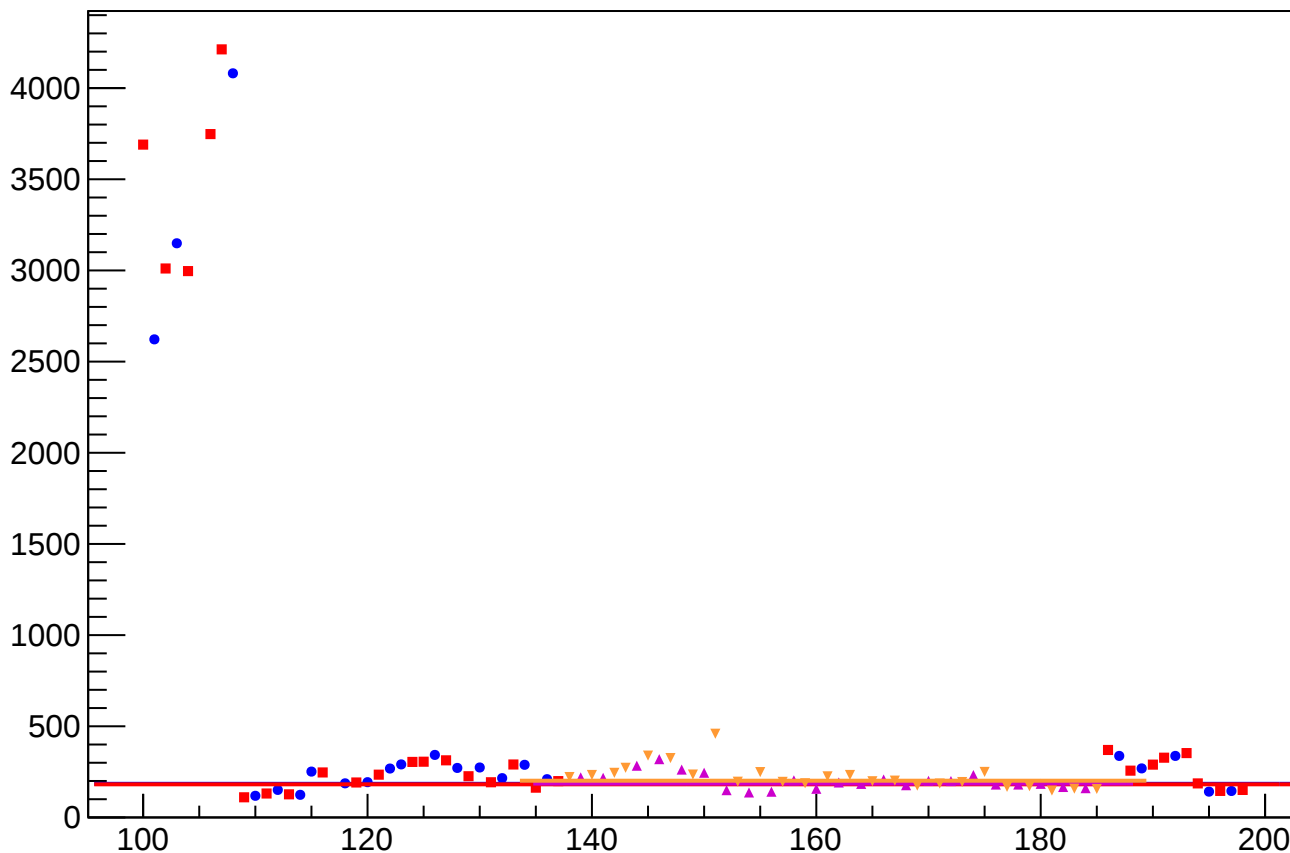
Right: -9.232+/-45.224 χ^2/NDF : 32.0/48

In: 19.297+/-38.309 χ^2/NDF : 25.4/44

Out: -12.979+/-38.031 χ^2/NDF : 22.7/51

All: 3.041+/-26.990 χ^2/NDF : 48.5/96

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 184.435 $\pm$ 0.048 χ^2 /NDF: 4344764.8/21

Left Out: 201.503 $\pm$ 0.034 χ^2 /NDF:1854905.1/24

Right Out: 181.709 $\pm$ 0.043 χ^2 /NDF: 5219362.9/26

Left In: 185.878 $\pm$ 0.033 χ^2 /NDF:1380877.6/22

Left: 193.321 $\pm$ 0.024 χ^2 /NDF: 3343425.2/47

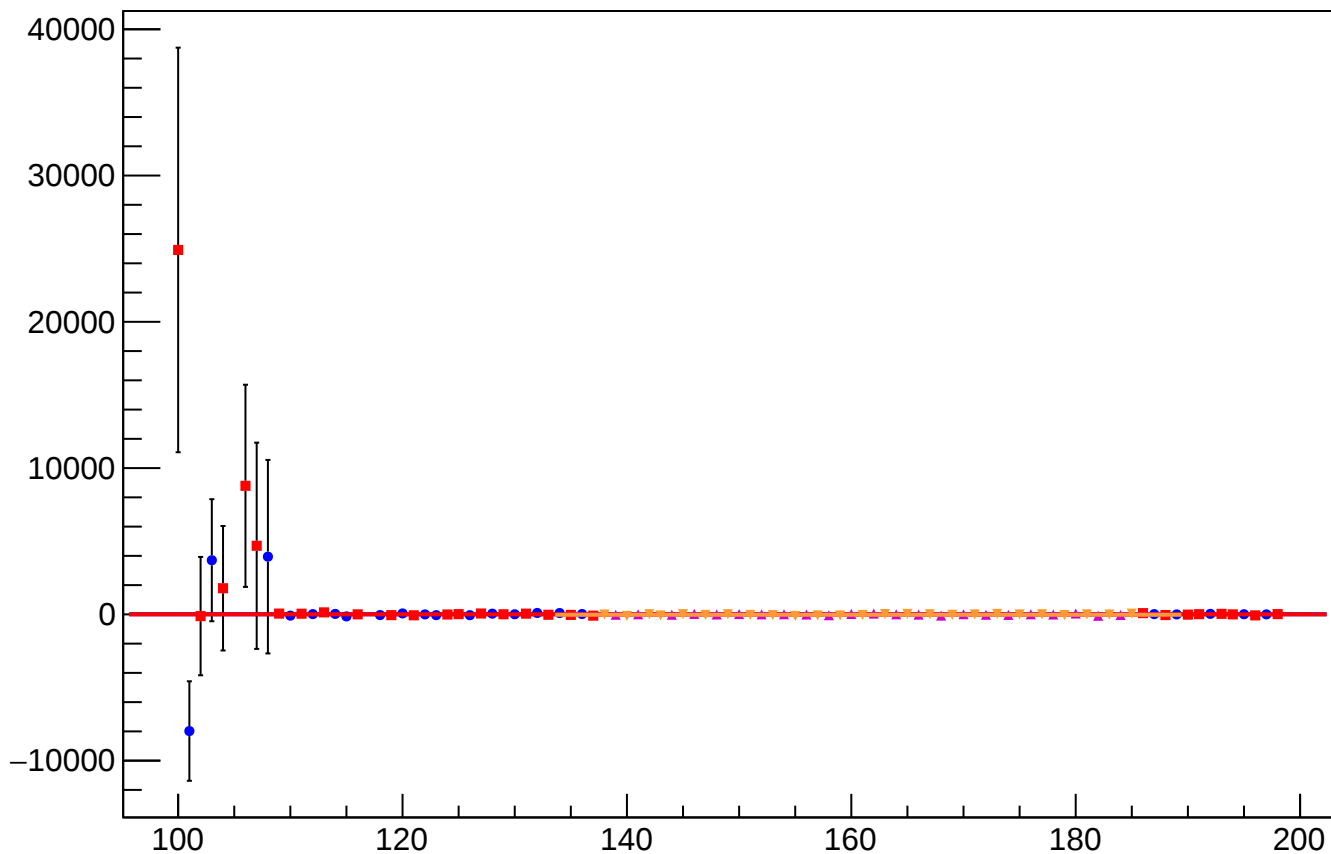
Right: 182.927 $\pm$ 0.032 χ^2 /NDF: 9565923.4/48

In: 185.415 $\pm$ 0.027 χ^2 /NDF:5726261.4/44

Out: 193.762 $\pm$ 0.027 χ^2 /NDF:7203283.3/51

All: 189.619 $\pm$ 0.019 χ^2 /NDF: 12977365.3/96

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 8.957 ± 11.737 $\chi^2/\text{NDF}: 20.9/21$

Left Out: -24.144 ± 8.076 $\chi^2/\text{NDF}: 24.9/24$

Right Out: 2.911 ± 10.632 $\chi^2/\text{NDF}: 29.8/26$

Left In: -5.924 ± 8.340 $\chi^2/\text{NDF}: 21.0/22$

Left: -15.326 ± 5.802 $\chi^2/\text{NDF}: 48.4/47$

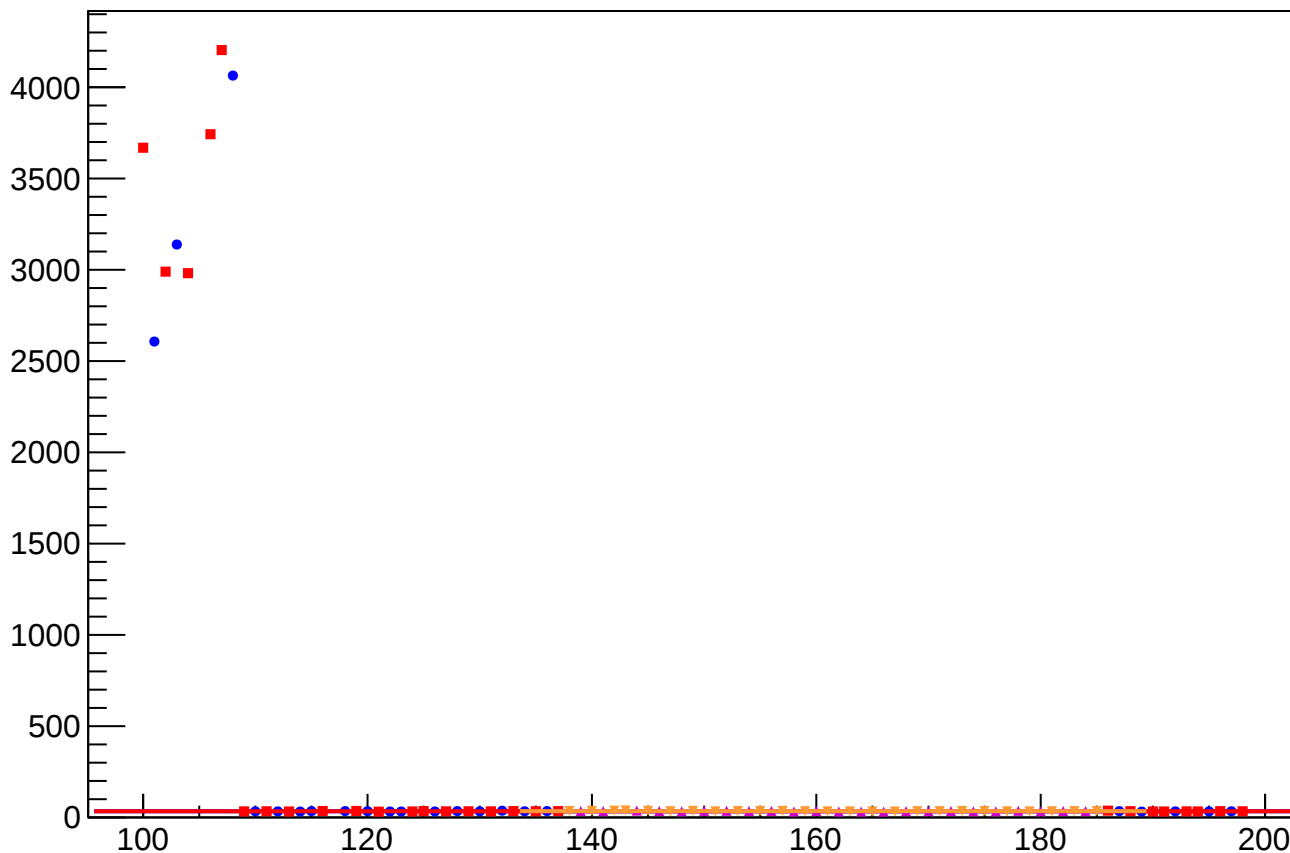
Right: 5.636 ± 7.880 $\chi^2/\text{NDF}: 50.8/48$

In: -0.931 ± 6.798 $\chi^2/\text{NDF}: 42.9/44$

Out: -14.245 ± 6.431 $\chi^2/\text{NDF}: 58.8/51$

All: -7.957 ± 4.672 $\chi^2/\text{NDF}: 103.7/96$

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.788 $\pm$ 0.008 χ^2 /NDF: 3011075.0/21

Left Out: 34.617 $\pm$ 0.006 χ^2 /NDF: 57868.4/24

Right Out: 33.883 $\pm$ 0.008 χ^2 /NDF: 3462368.3/26

Left In: 34.682 $\pm$ 0.006 χ^2 /NDF: 59834.3/22

Left: 34.649 $\pm$ 0.004 χ^2 /NDF: 117764.0/47

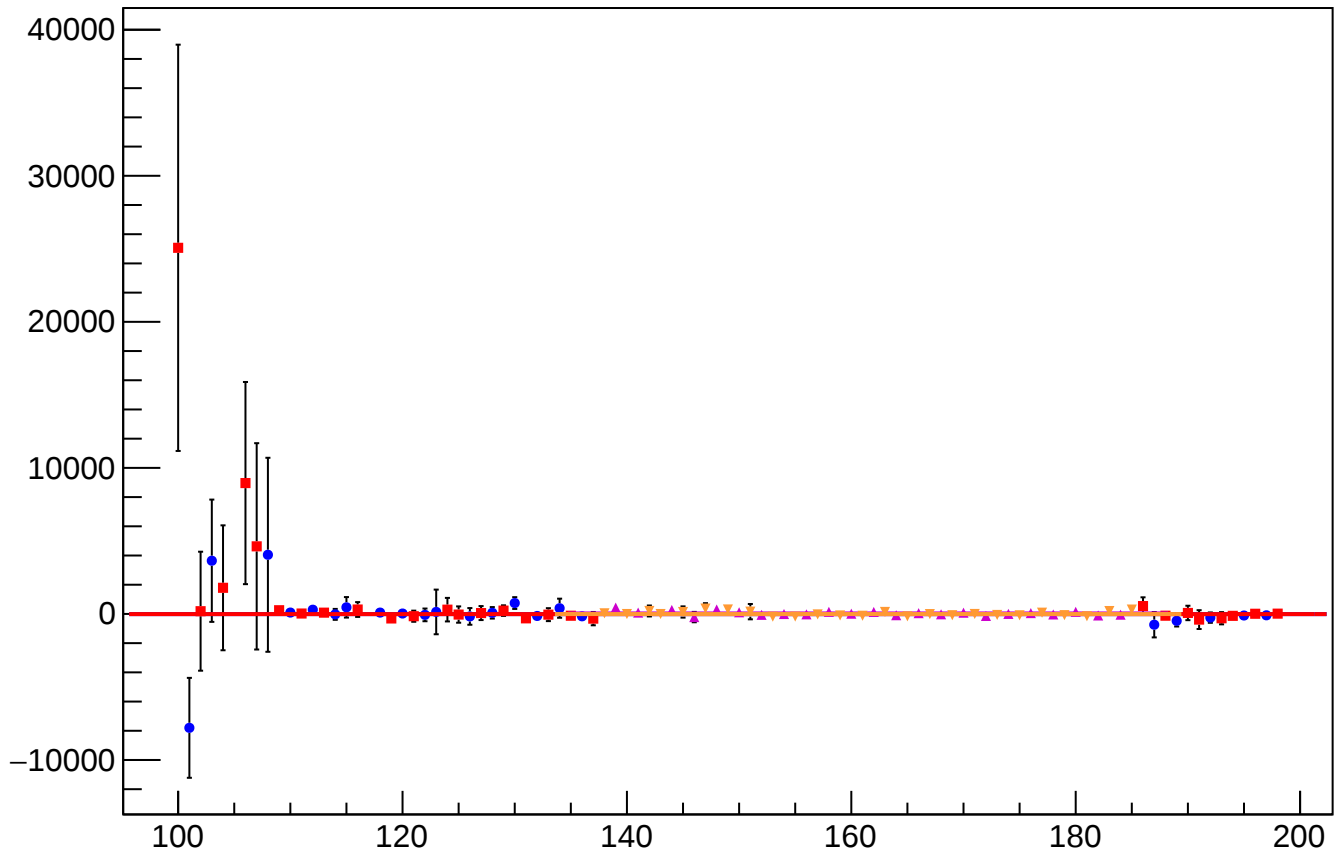
Right: 33.840 $\pm$ 0.006 χ^2 /NDF: 6473514.9/48

In: 34.382 $\pm$ 0.005 χ^2 /NDF: 3078618.6/44

Out: 34.349 $\pm$ 0.005 χ^2 /NDF: 3526296.2/51

All: 34.364 $\pm$ 0.003 χ^2 /NDF: 6604940.0/96

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -12.091 $\pm$ 67.415 χ^2 /NDF: 16.9/21

Left Out: -7.558 $\pm$ 48.662 χ^2 /NDF: 8.8/24

Right Out: -12.087 $\pm$ 60.529 χ^2 /NDF: 13.3/26

Left In: 34.977 $\pm$ 46.421 χ^2 /NDF: 7.1/22

Left: 14.712 $\pm$ 33.589 χ^2 /NDF: 16.3/47

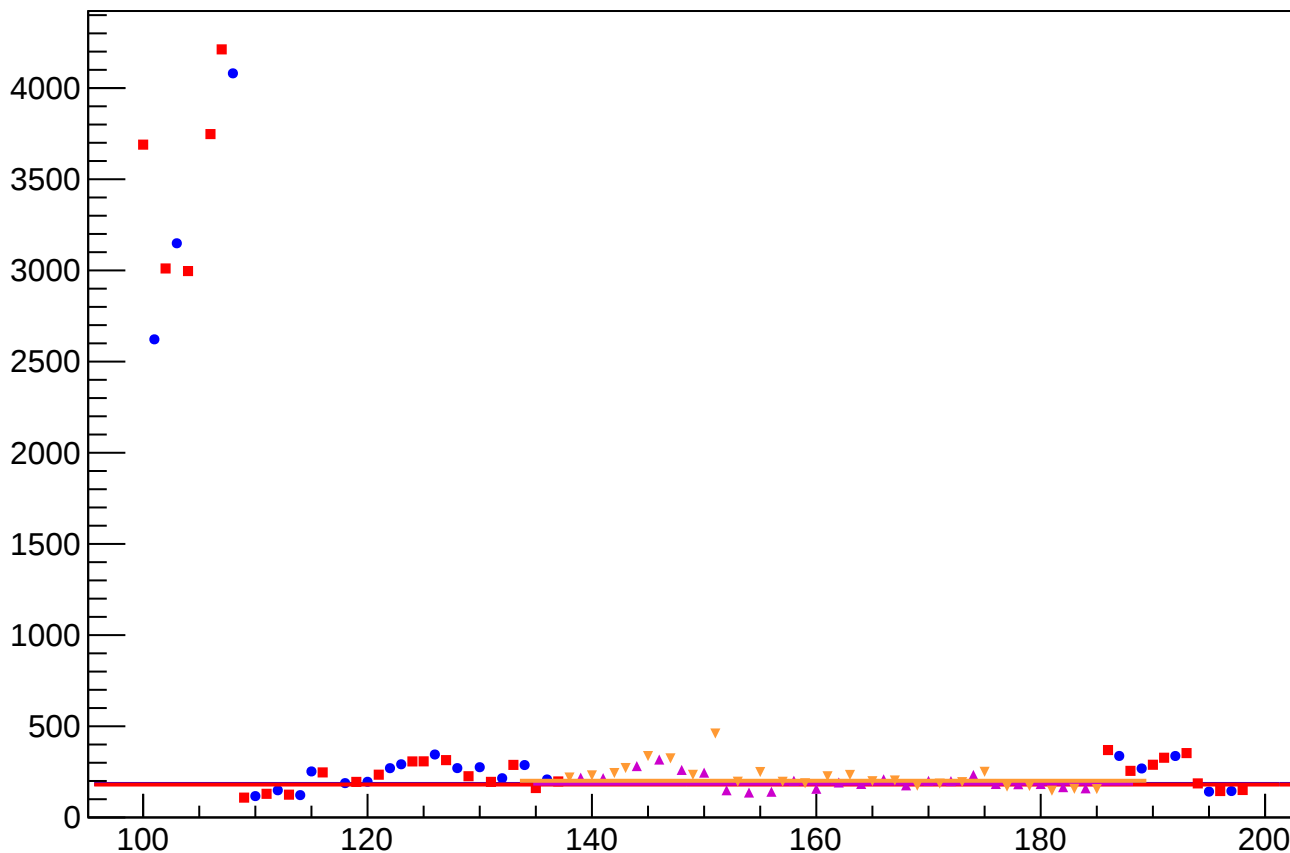
Right: -12.089 $\pm$ 45.039 χ^2 /NDF: 30.2/48

In: 19.838 $\pm$ 38.233 χ^2 /NDF: 24.3/44

Out: -9.336 $\pm$ 37.925 χ^2 /NDF: 22.1/51

All: 5.133 $\pm$ 26.926 χ^2 /NDF: 46.7/96

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 183.639+/-0.048 χ^2/NDF : 4376497.1/21

Left Out: 201.198+/-0.034 χ^2/NDF :1848437.4/24

Right Out: 180.574+/-0.043 χ^2/NDF : 5272778.7/26

Left In: 185.627+/-0.033 χ^2/NDF :1371411.2/22

Left: 193.046+/-0.024 χ^2/NDF : 3327061.1/47

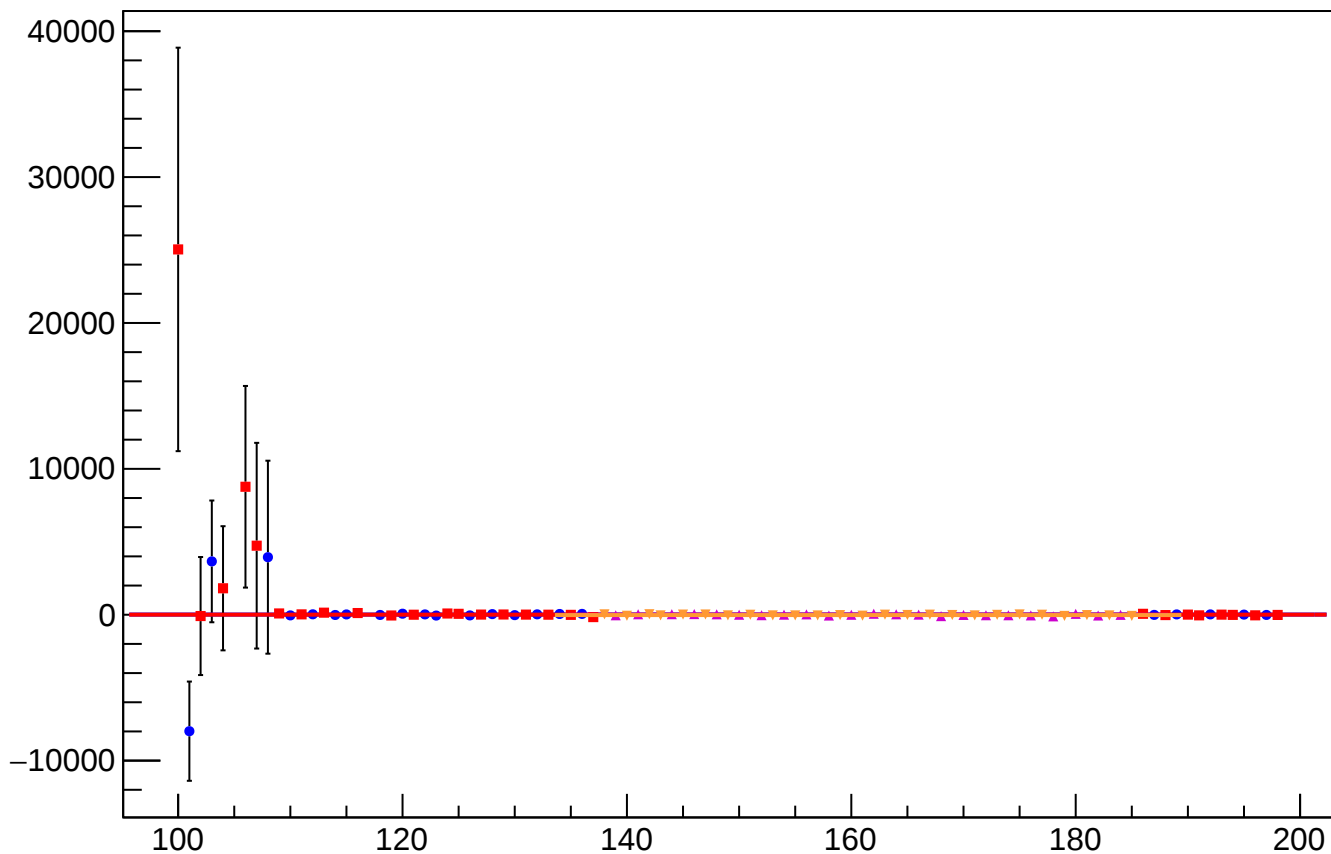
Right: 181.942+/-0.032 χ^2/NDF : 9651565.0/48

In: 184.988+/-0.027 χ^2/NDF :5749088.8/44

Out: 193.101+/-0.027 χ^2/NDF :7262261.4/51

All: 189.077+/-0.019 χ^2/NDF : 13056747.6/96

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 12.363+/-10.658 χ^2/NDF : 15.6/21

Left Out: -23.320+/-7.352 χ^2/NDF : 18.3/24

Right Out: 5.620+/-9.652 χ^2/NDF : 33.8/26

Left In: -6.386+/-7.577 χ^2/NDF : 38.7/22

Left: -15.108+/-5.276 χ^2/NDF : 59.6/47

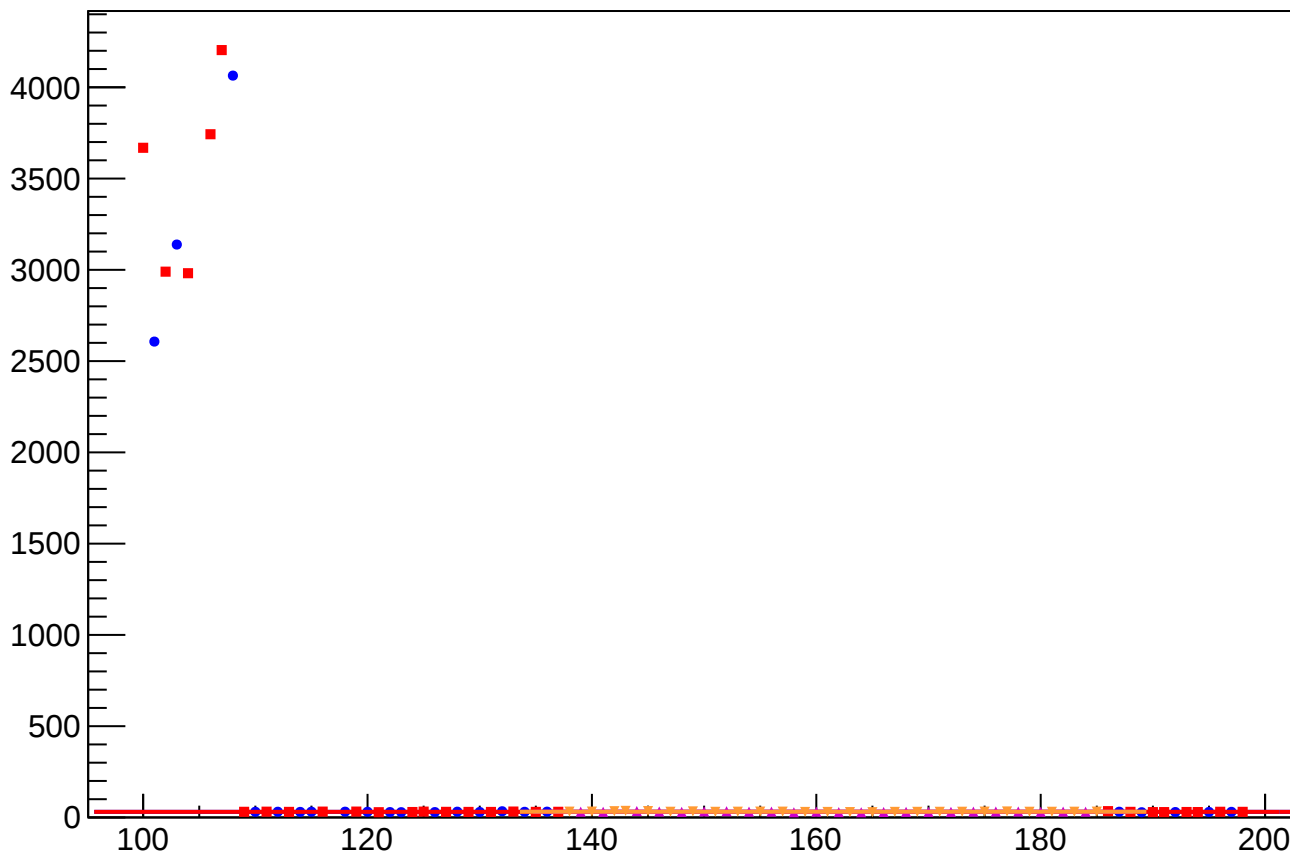
Right: 8.659+/-7.154 χ^2/NDF : 49.6/48

In: -0.091+/-6.175 χ^2/NDF : 56.3/44

Out: -12.694+/-5.849 χ^2/NDF : 57.8/51

All: -6.735+/-4.246 χ^2/NDF : 116.4/96

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.672 $\pm$ 0.008 χ^2 /NDF: 3024323.0/21

Left Out: 31.488 $\pm$ 0.005 χ^2 /NDF: 81938.2/24

Right Out: 30.731 $\pm$ 0.007 χ^2 /NDF: 3475793.8/26

Left In: 31.475 $\pm$ 0.005 χ^2 /NDF: 87797.5/22

Left: 31.482 $\pm$ 0.004 χ^2 /NDF: 169738.8/47

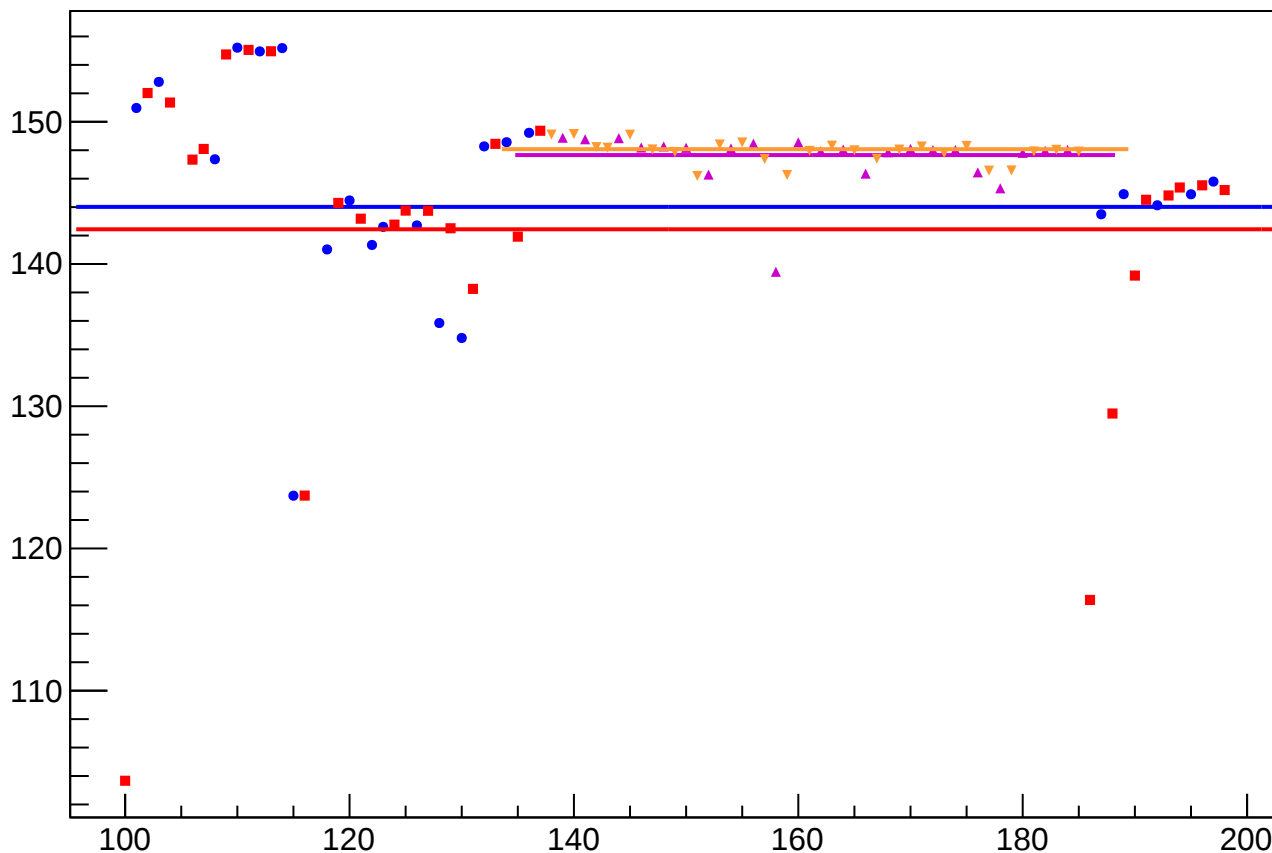
Right: 30.705 $\pm$ 0.005 χ^2 /NDF: 6500150.7/48

In: 31.206 $\pm$ 0.004 χ^2 /NDF: 3119669.3/44

Out: 31.210 $\pm$ 0.004 χ^2 /NDF: 3565521.9/51

All: 31.208 $\pm$ 0.003 χ^2 /NDF: 6685191.9/96

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.017 $\pm$ 0.000 χ^2 /NDF: 3460826086.9/21

Left Out: 148.074 $\pm$ 0.000 χ^2 /NDF: 65673678.9/24

Right Out: 142.441 $\pm$ 0.000 χ^2 /NDF: 7351330614.0/26

Left In: 147.660 $\pm$ 0.000 χ^2 /NDF: 343892338.9/22

Left: 147.875 $\pm$ 0.000 χ^2 /NDF: 417177881.5/47

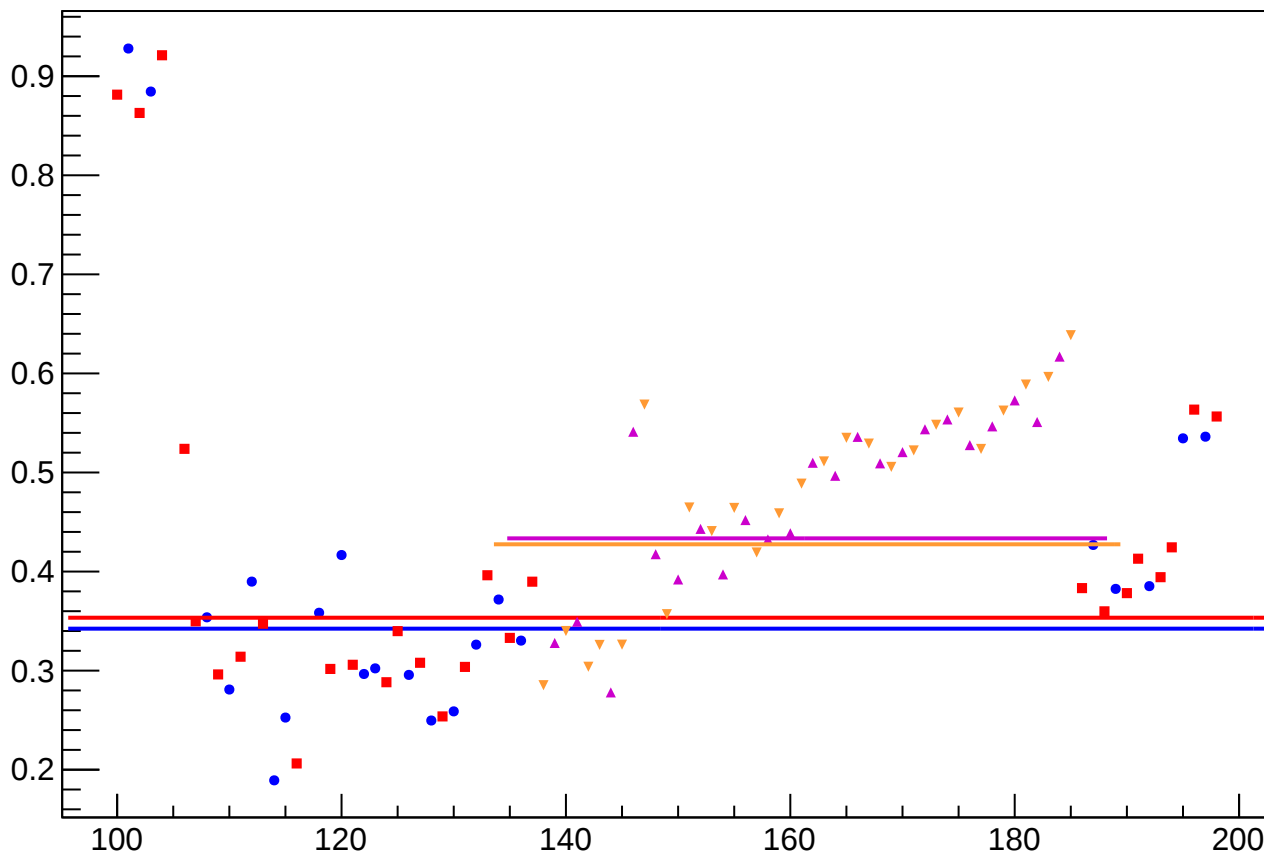
Right: 143.160 $\pm$ 0.000 χ^2 /NDF: 10906513261.9/48

In: 146.025 $\pm$ 0.000 χ^2 /NDF: 4316226868.1/44

Out: 145.407 $\pm$ 0.000 χ^2 /NDF: 8808208309.5/51

All: 145.697 $\pm$ 0.000 χ^2 /NDF: 13156022694.0/100

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.342 $\pm$ 0.000 χ^2 /NDF: 1743748.6/21

Left Out: 0.428 $\pm$ 0.000 χ^2 /NDF:1892802.8/24

Right Out: 0.353 $\pm$ 0.000 χ^2 /NDF: 1822879.5/26

Left In: 0.434 $\pm$ 0.000 χ^2 /NDF:1479367.0/22

Left: 0.430 $\pm$ 0.000 χ^2 /NDF: 3375366.2/47

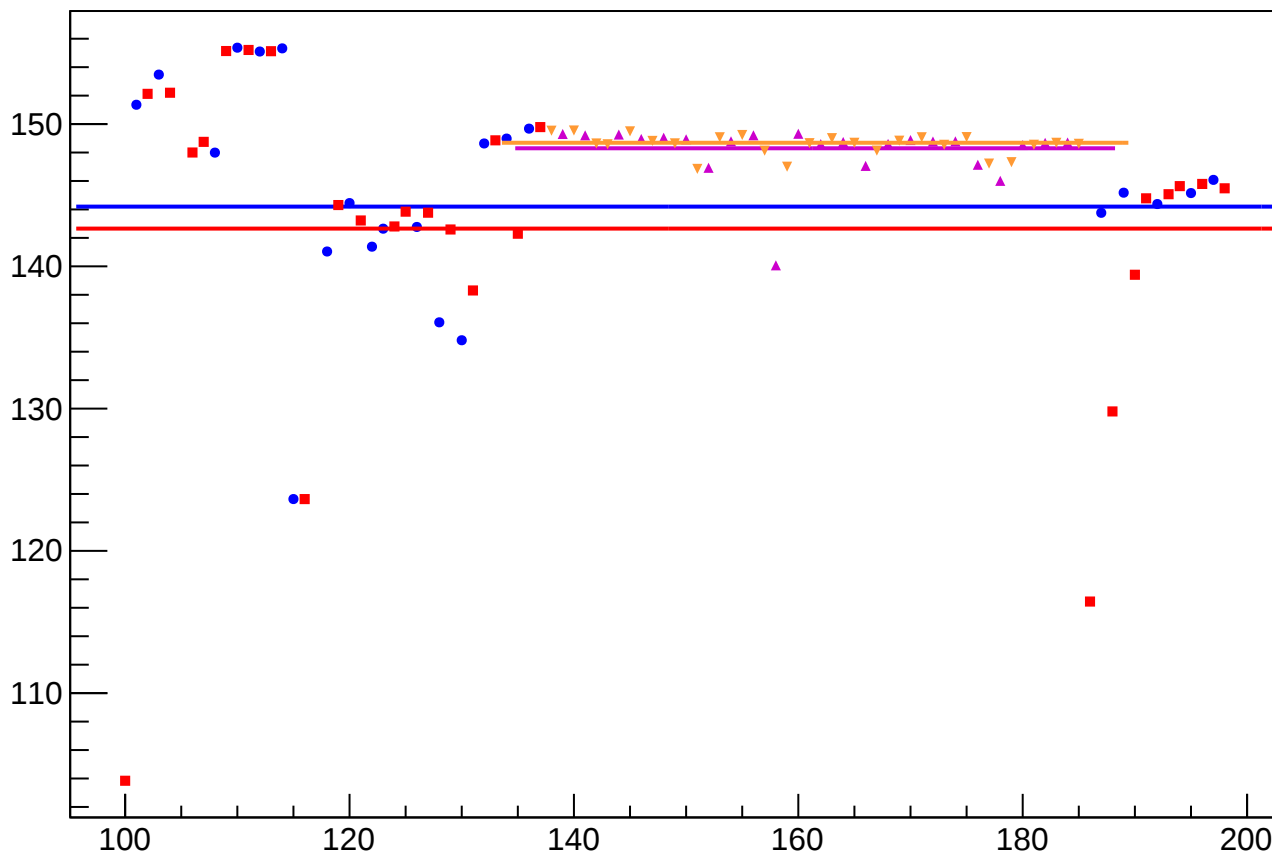
Right: 0.348 $\pm$ 0.000 χ^2 /NDF: 3575904.5/48

In: 0.393 $\pm$ 0.000 χ^2 /NDF:3863242.9/44

Out: 0.392 $\pm$ 0.000 χ^2 /NDF:4197270.6/51

All: 0.393 $\pm$ 0.000 χ^2 /NDF: 8060518.6/96

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.198 $\pm$ 0.000 χ^2 /NDF: 3506506632.6/21

Left Out: 148.687 $\pm$ 0.000 χ^2 /NDF: 52285197.5/24

Right Out: 142.653 $\pm$ 0.000 χ^2 /NDF: 7297489534.7/26

Left In: 148.298 $\pm$ 0.000 χ^2 /NDF: 332527463.6/22

Left: 148.500 $\pm$ 0.000 χ^2 /NDF: 391414535.1/47

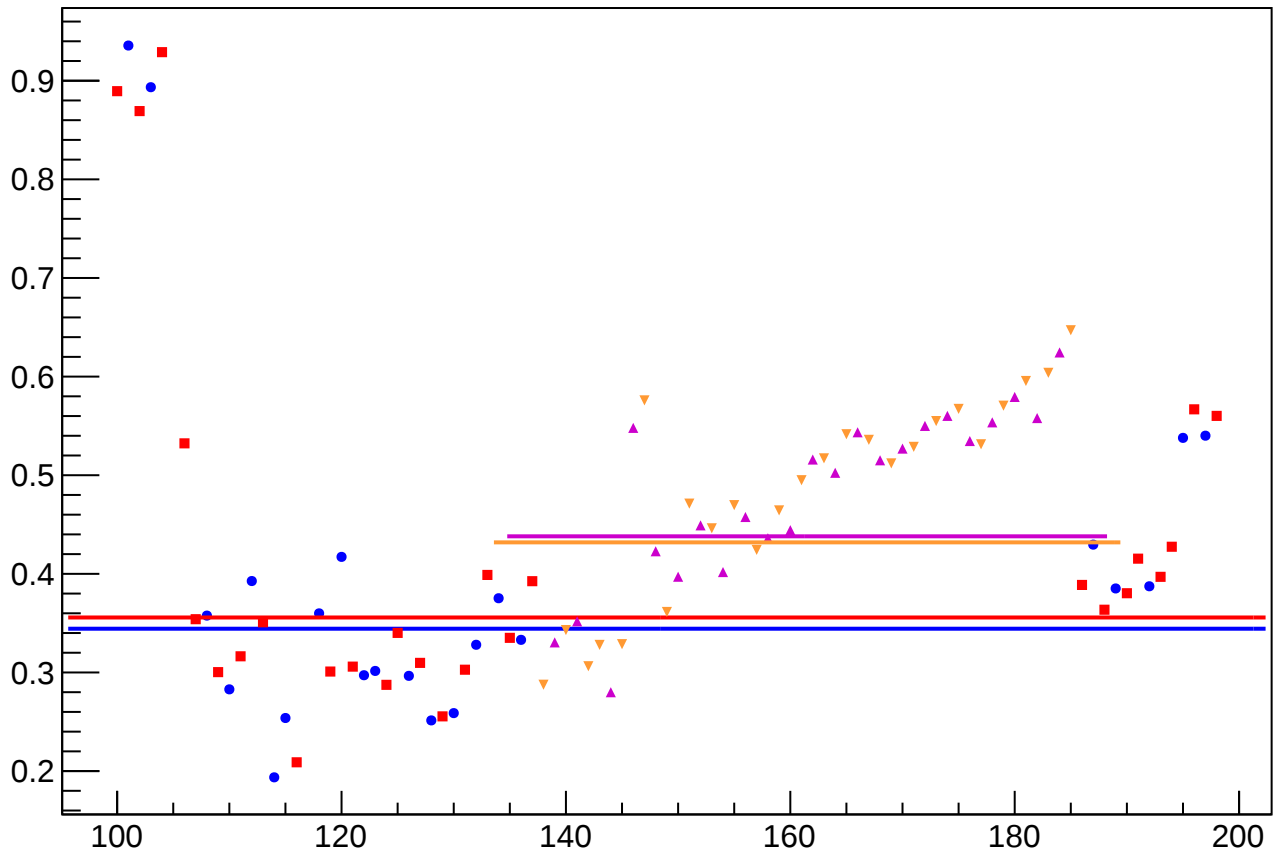
Right: 143.359 $\pm$ 0.000 χ^2 /NDF: 10893588379.7/48

In: 146.448 $\pm$ 0.000 χ^2 /NDF: 4476035921.6/44

Out: 145.819 $\pm$ 0.000 χ^2 /NDF: 8918704014.3/51

All: 146.114 $\pm$ 0.000 χ^2 /NDF: 13426942947.0

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.344 $\pm$ 0.000 χ^2 /NDF: 1746771.8/21

Left Out: 0.432 $\pm$ 0.000 χ^2 /NDF:1924979.0/24

Right Out: 0.356 $\pm$ 0.000 χ^2 /NDF: 1827588.4/26

Left In: 0.438 $\pm$ 0.000 χ^2 /NDF:1504635.6/22

Left: 0.435 $\pm$ 0.000 χ^2 /NDF: 3432903.3/47

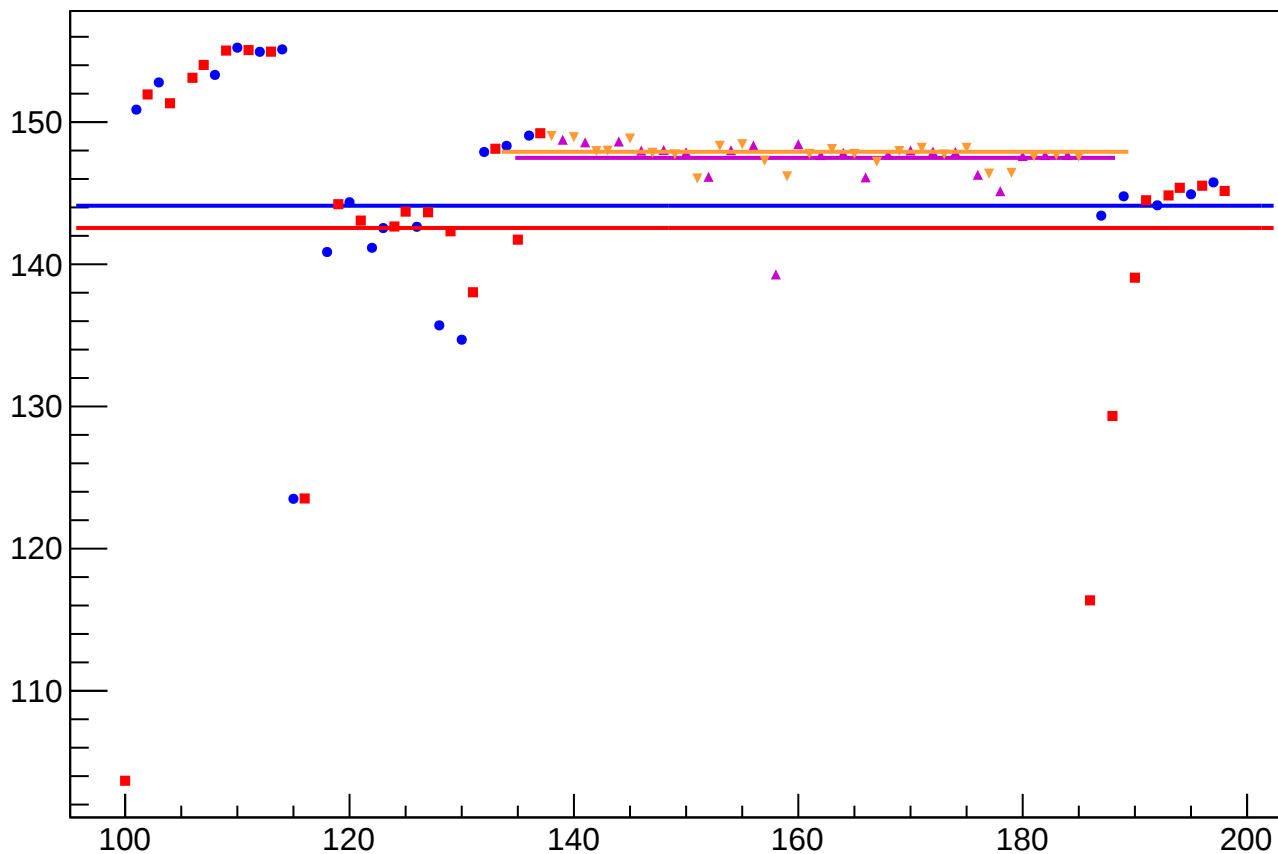
Right: 0.351 $\pm$ 0.000 χ^2 /NDF: 3584099.0/48

In: 0.396 $\pm$ 0.000 χ^2 /NDF:3916965.7/44

Out: 0.396 $\pm$ 0.000 χ^2 /NDF:4252550.9/51

All: 0.396 $\pm$ 0.000 χ^2 /NDF: 8169517.6/96

yield_bcm_an_us_mean vs Slug, Sign Corrected



Left: 147.706 ± 0.000 $\chi^2/\text{NDF}: 415263003.2/47$

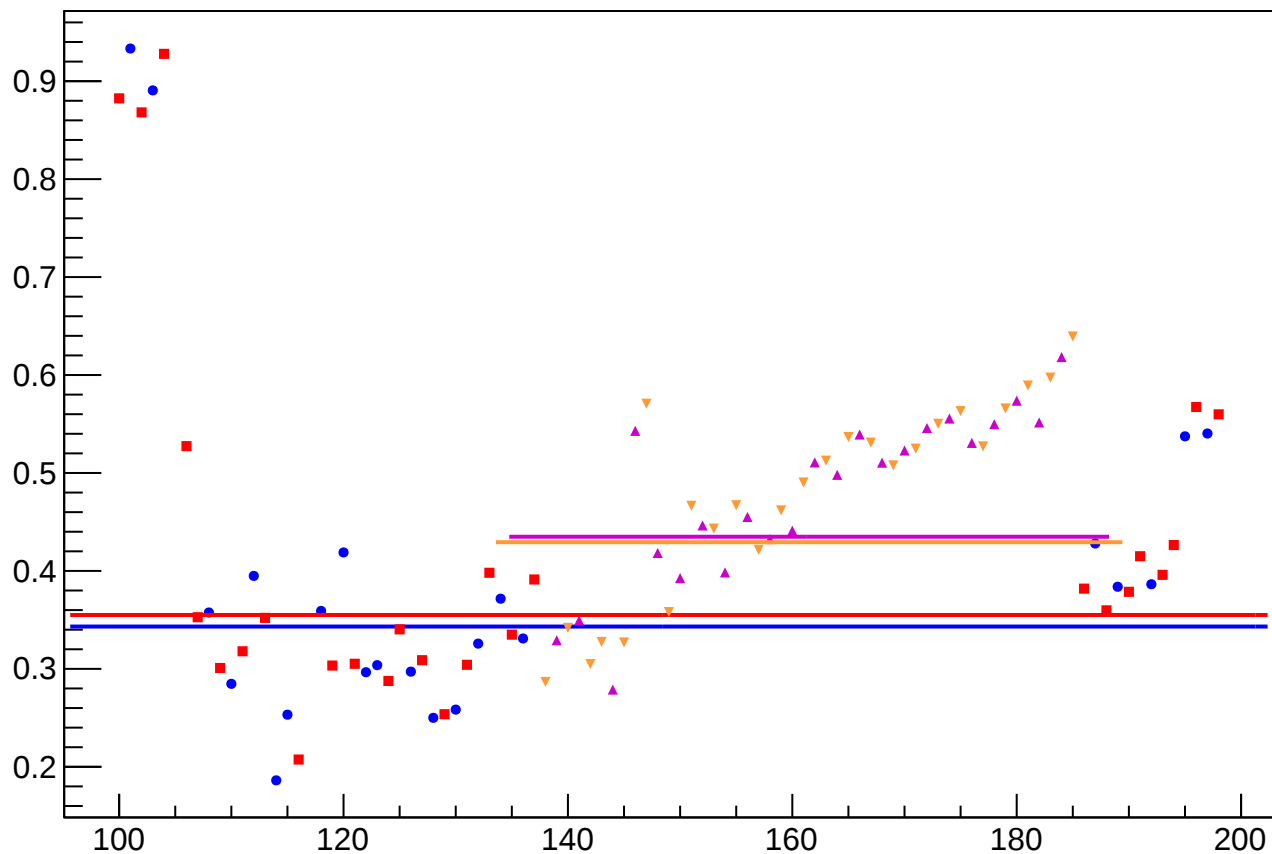
Right: 143.269 ± 0.000 $\chi^2/\text{NDF}: 11499170558.9/48$

In: 145.973 ± 0.000 $\chi^2/\text{NDF}: 4447470376.8/44$

Out: 145.377 ± 0.000 $\chi^2/\text{NDF}: 9047449909.5/51$

All: 145.657 ± 0.000 $\chi^2/\text{NDF}: 13524094337.7$

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.343+/-0.000 χ^2/NDF : 1764417.2/21

Left Out: 0.429+/-0.000 χ^2/NDF :1891709.3/24

Right Out: 0.355+/-0.000 χ^2/NDF : 1827162.9/26

Left In: 0.435+/-0.000 χ^2/NDF :1485915.1/22

Left: 0.432+/-0.000 χ^2/NDF : 3380372.0/47

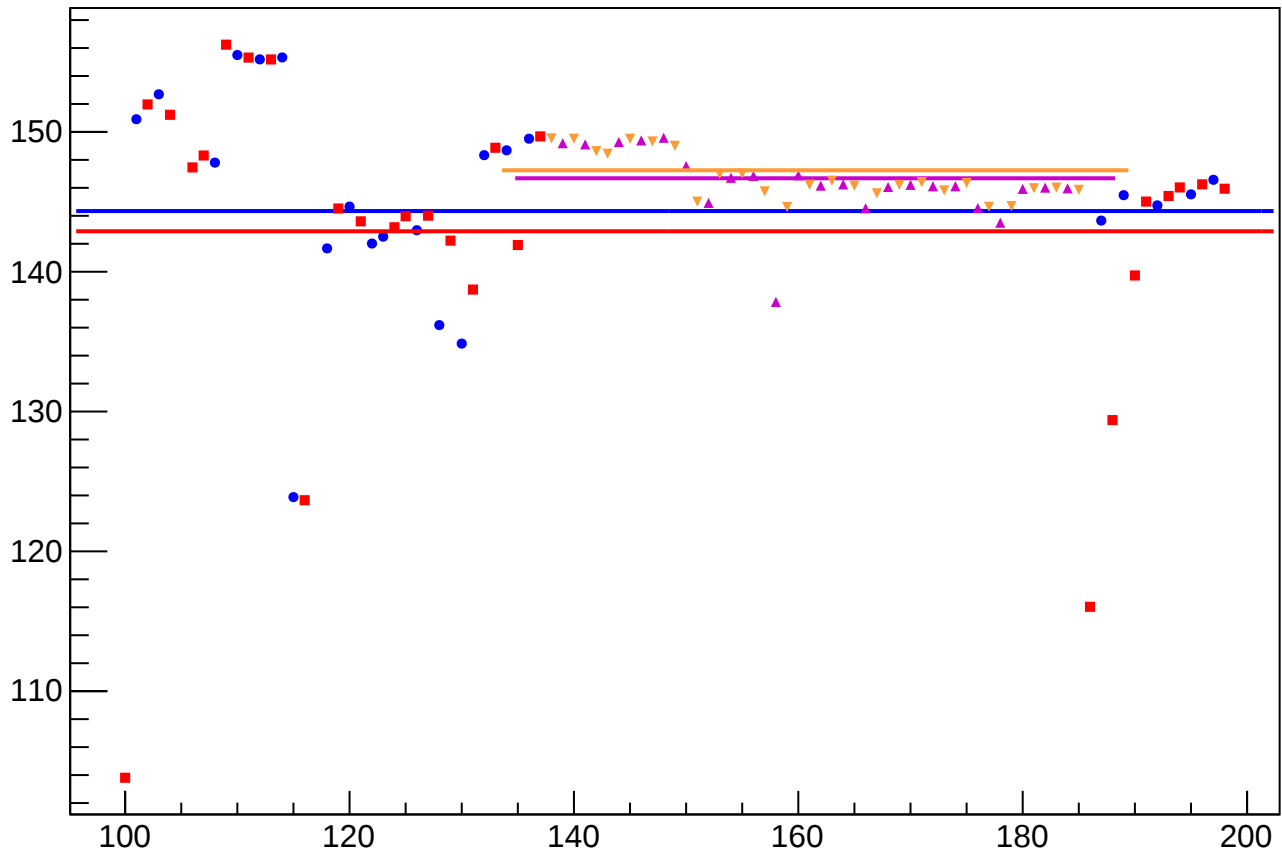
Right: 0.350+/-0.000 χ^2/NDF : 3602058.3/48

In: 0.394+/-0.000 χ^2/NDF :3893610.1/44

Out: 0.394+/-0.000 χ^2/NDF :4198833.5/51

All: 0.394+/-0.000 χ^2/NDF : 8092468.8/96

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.340 $\pm$ 0.000 χ^2/NDF : 3180815205.9/21

Left Out: 147.257 $\pm$ 0.000 χ^2/NDF : 261906278.3/24

Right Out: 142.895 $\pm$ 0.000 χ^2/NDF : 7057247684.9/26

Left In: 146.685 $\pm$ 0.000 χ^2/NDF : 554922388.0/22

Left: 146.981 $\pm$ 0.000 χ^2/NDF : 830580031.2/47

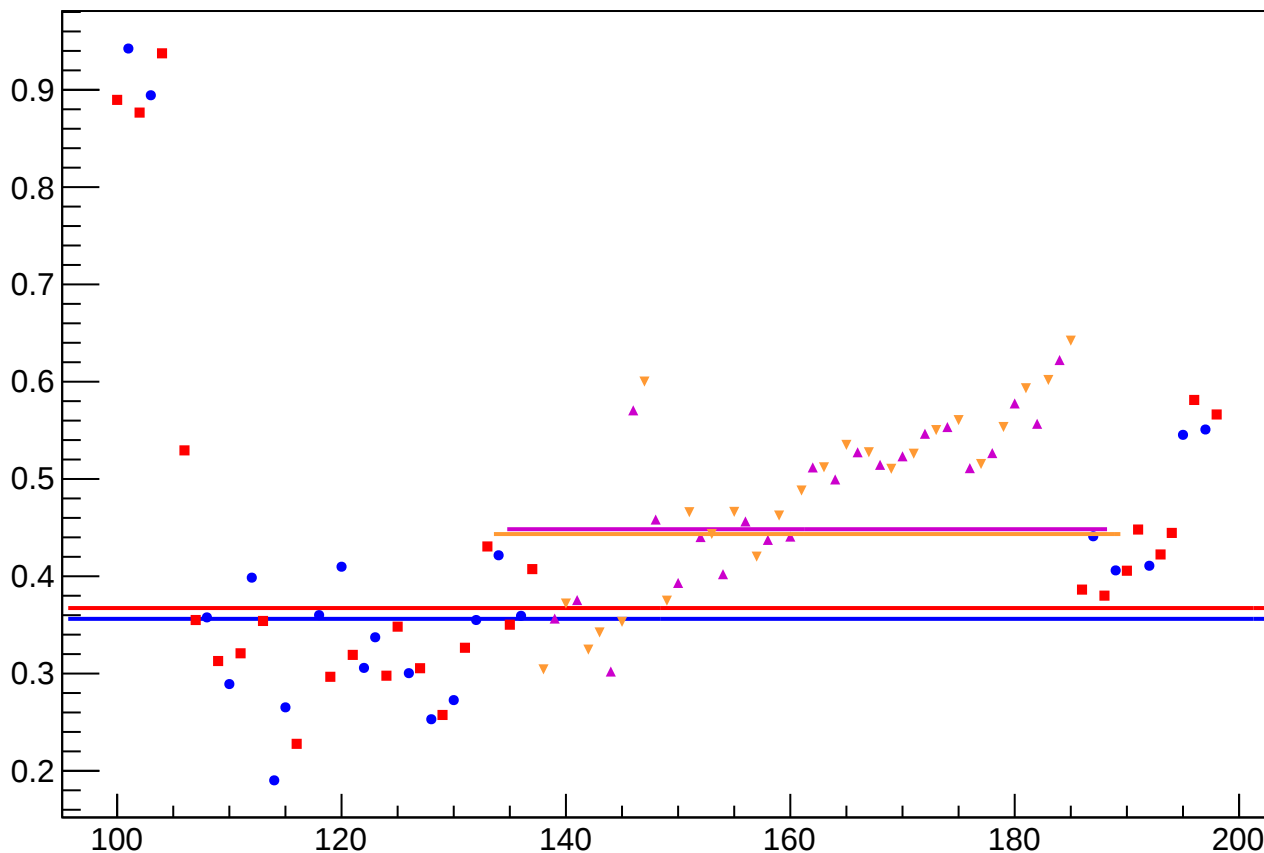
Right: 143.553 $\pm$ 0.000 χ^2/NDF : 10311168141.7/48

In: 145.648 $\pm$ 0.000 χ^2/NDF : 3932905066.5/44

Out: 145.210 $\pm$ 0.000 χ^2/NDF : 8095433288.5/51

All: 145.416 $\pm$ 0.000 χ^2/NDF : 12043067569.0

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.356 $\pm$ 0.000 χ^2/NDF : 1735527.4/21

Left Out: 0.443 $\pm$ 0.000 χ^2/NDF :1480479.3/24

Right Out: 0.367 $\pm$ 0.000 χ^2/NDF : 1794502.1/26

Left In: 0.448 $\pm$ 0.000 χ^2/NDF :1120261.8/22

Left: 0.446 $\pm$ 0.000 χ^2/NDF : 2602838.0/47

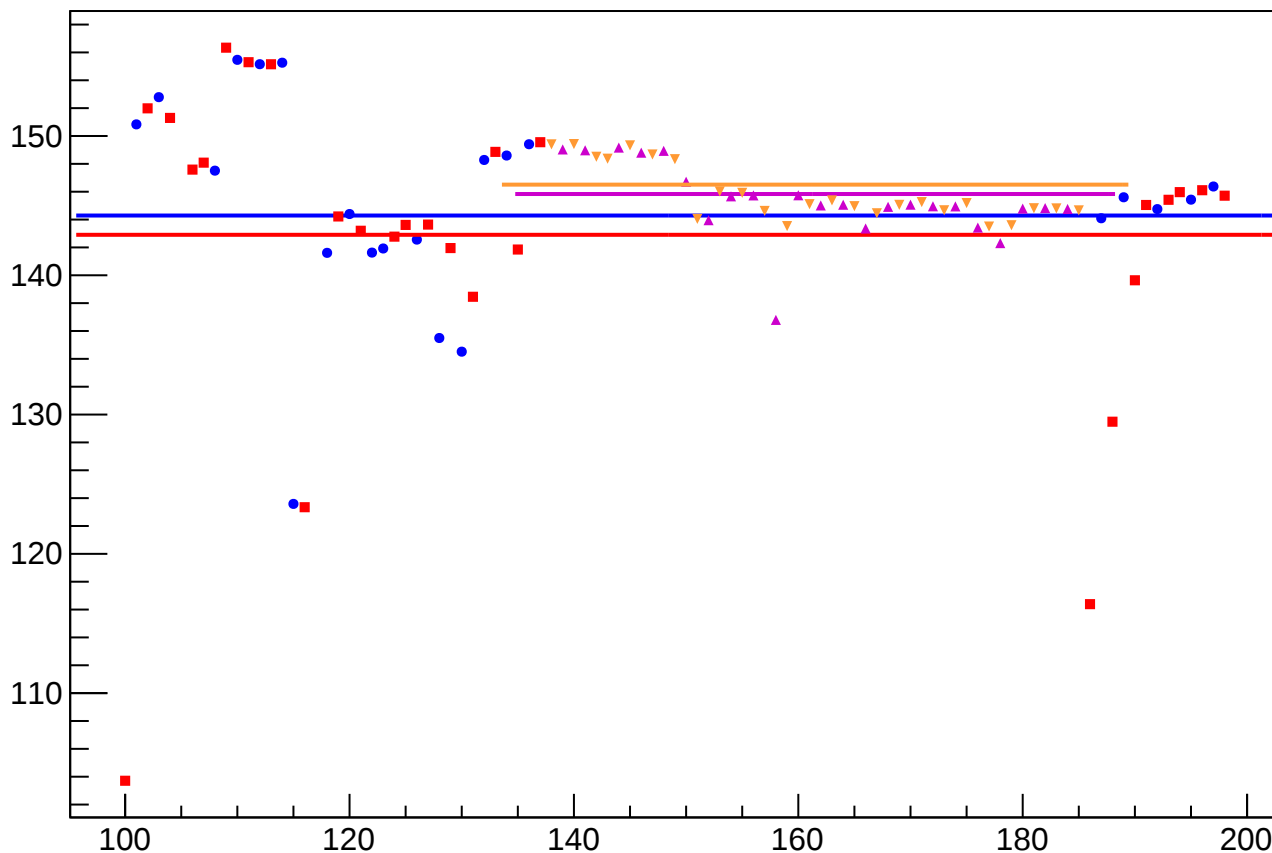
Right: 0.362 $\pm$ 0.000 χ^2/NDF : 3538656.3/48

In: 0.408 $\pm$ 0.000 χ^2/NDF :3464788.5/44

Out: 0.408 $\pm$ 0.000 χ^2/NDF :3746812.1/51

All: 0.408 $\pm$ 0.000 χ^2/NDF : 7211601.4/96

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 144.290 +/- 0.000 χ^2/NDF : 3299111763.3/21

Left Out: 146.508 +/- 0.000 χ^2/NDF : 401248837.9/24

Right Out: 142.906 +/- 0.000 χ^2/NDF : 7025129032.4/26

Left In: 145.834 +/- 0.000 χ^2/NDF : 690172810.0/22

Left: 146.184 +/- 0.000 χ^2/NDF : 1110403123.5/47

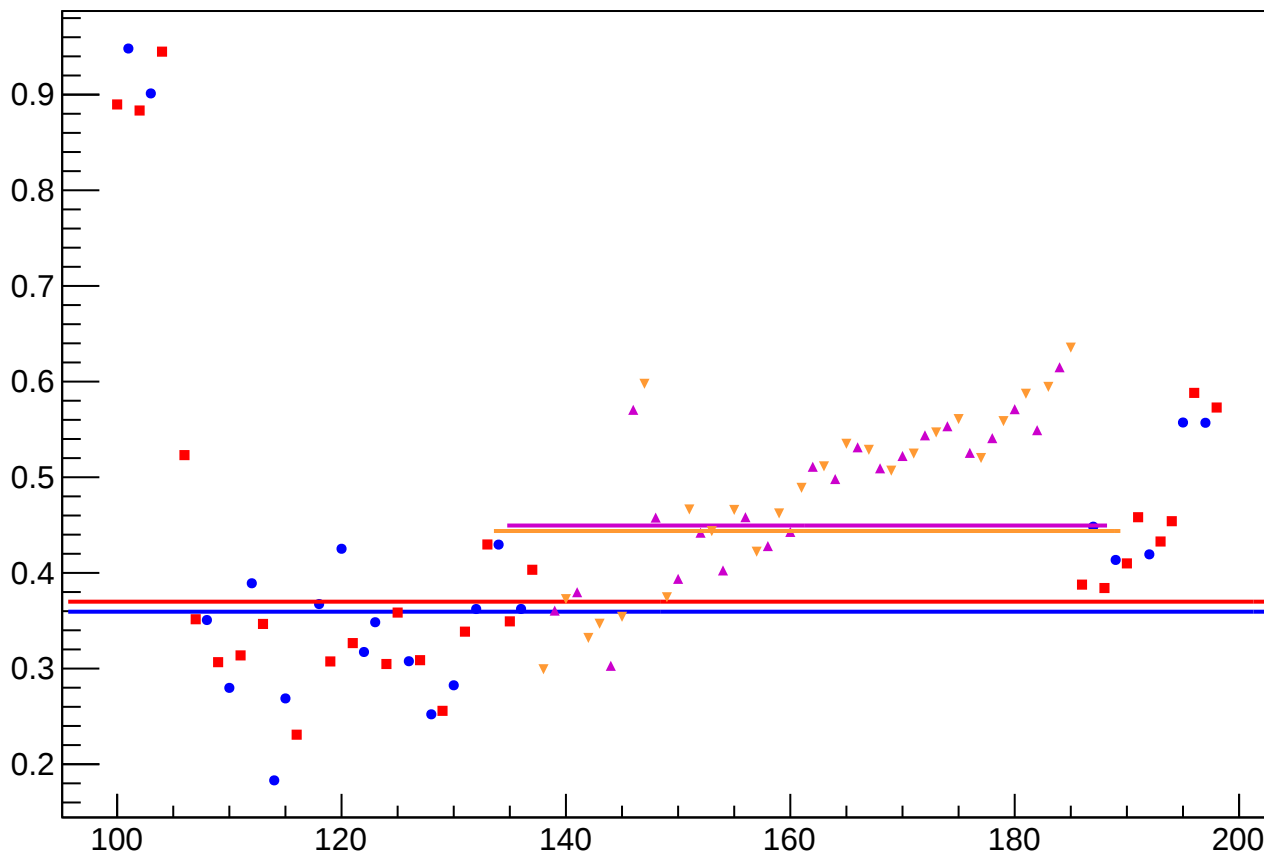
Right: 143.535 +/- 0.000 χ^2/NDF : 10389966096.2/48

In: 145.158 +/- 0.000 χ^2/NDF : 4073514505.1/44

Out: 144.832 +/- 0.000 χ^2/NDF : 7950227564.2/51

All: 144.985 +/- 0.000 χ^2/NDF : 12031846230.0

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.359+/-0.000 χ^2/NDF : 1773588.6/21

Left Out: 0.444+/-0.000 χ^2/NDF :1460383.7/24

Right Out: 0.370+/-0.000 χ^2/NDF : 1811600.7/26

Left In: 0.450+/-0.000 χ^2/NDF :1092776.5/22

Left: 0.447+/-0.000 χ^2/NDF : 2555905.8/47

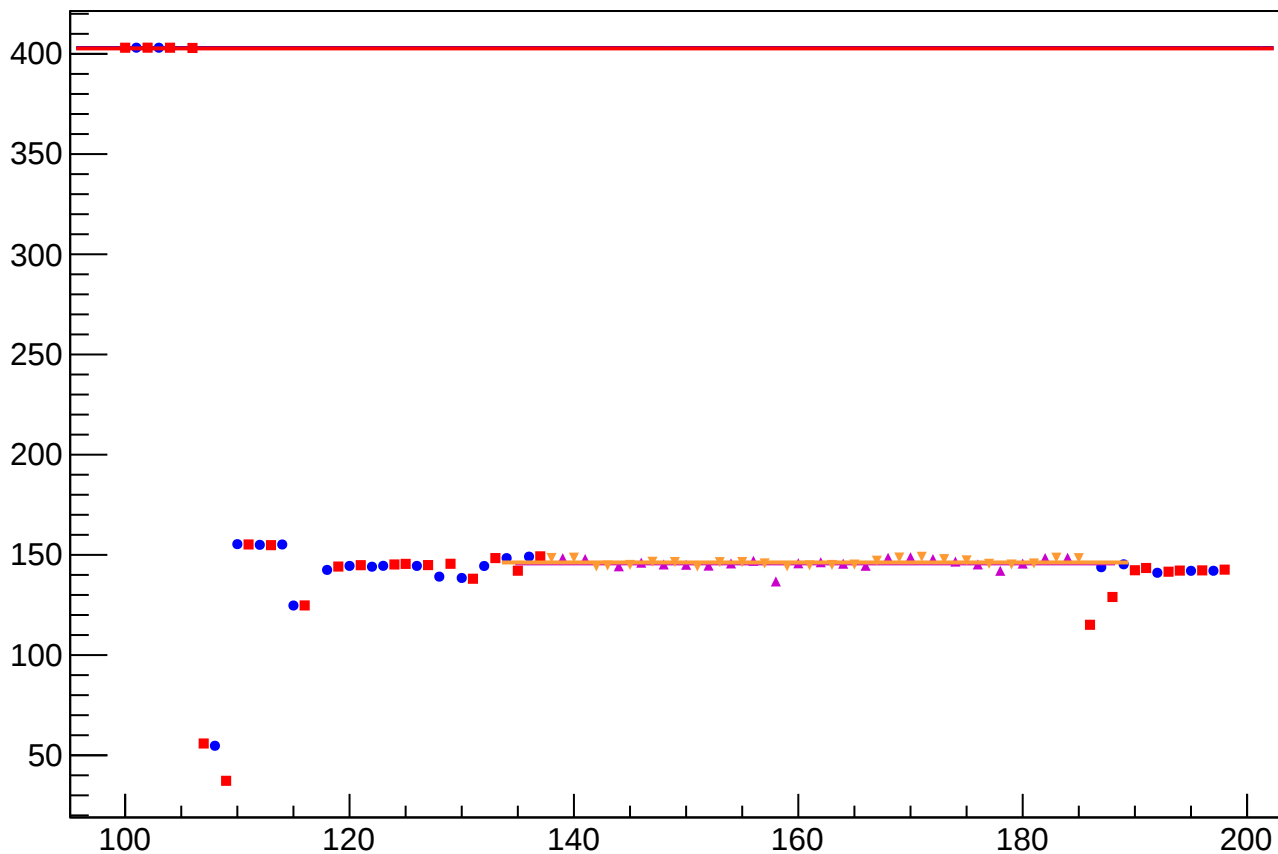
Right: 0.365+/-0.000 χ^2/NDF : 3592727.7/48

In: 0.410+/-0.000 χ^2/NDF :3439751.1/44

Out: 0.409+/-0.000 χ^2/NDF :3712607.6/51

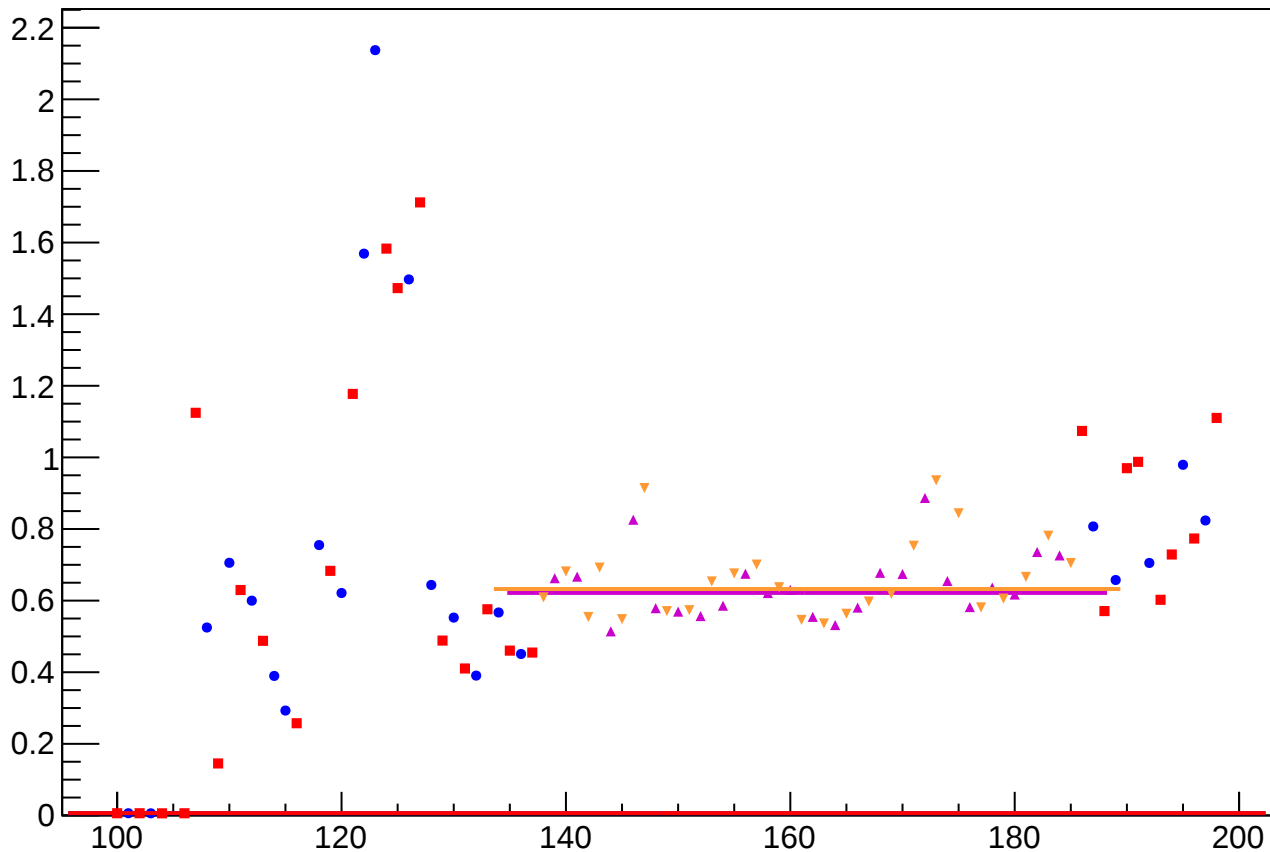
All: 0.410+/-0.000 χ^2/NDF : 7152423.7/96

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.925+/-0.000 χ^2/NDF : 1357436513583.2/21
 Left Out: 146.216+/-0.000 χ^2/NDF : 86042286.3/24
 Right Out: 402.740+/-0.000 χ^2/NDF : 3648541800756.2/26
 Left In: 145.755+/-0.000 χ^2/NDF : 206171532.0/22
 Left: 145.987+/-0.000 χ^2/NDF : 295994641.0/47
 Right: 402.827+/-0.000 χ^2/NDF : 5006542373724.7
 In: 402.634+/-0.000 χ^2/NDF : 3689123757778.9/44
 Out: 402.480+/-0.000 χ^2/NDF : 6006166950021.0/5
 All: 402.552+/-0.000 χ^2/NDF : 969568461120

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 13738240.5/21

Left Out: 0.632+/-0.000 χ^2/NDF : 613604.5/24

Right Out: 0.006+/-0.000 χ^2/NDF : 17298144.2/26

Left In: 0.622+/-0.000 χ^2/NDF : 399965.3/22

Left: 0.627+/-0.000 χ^2/NDF : 1017722.4/47

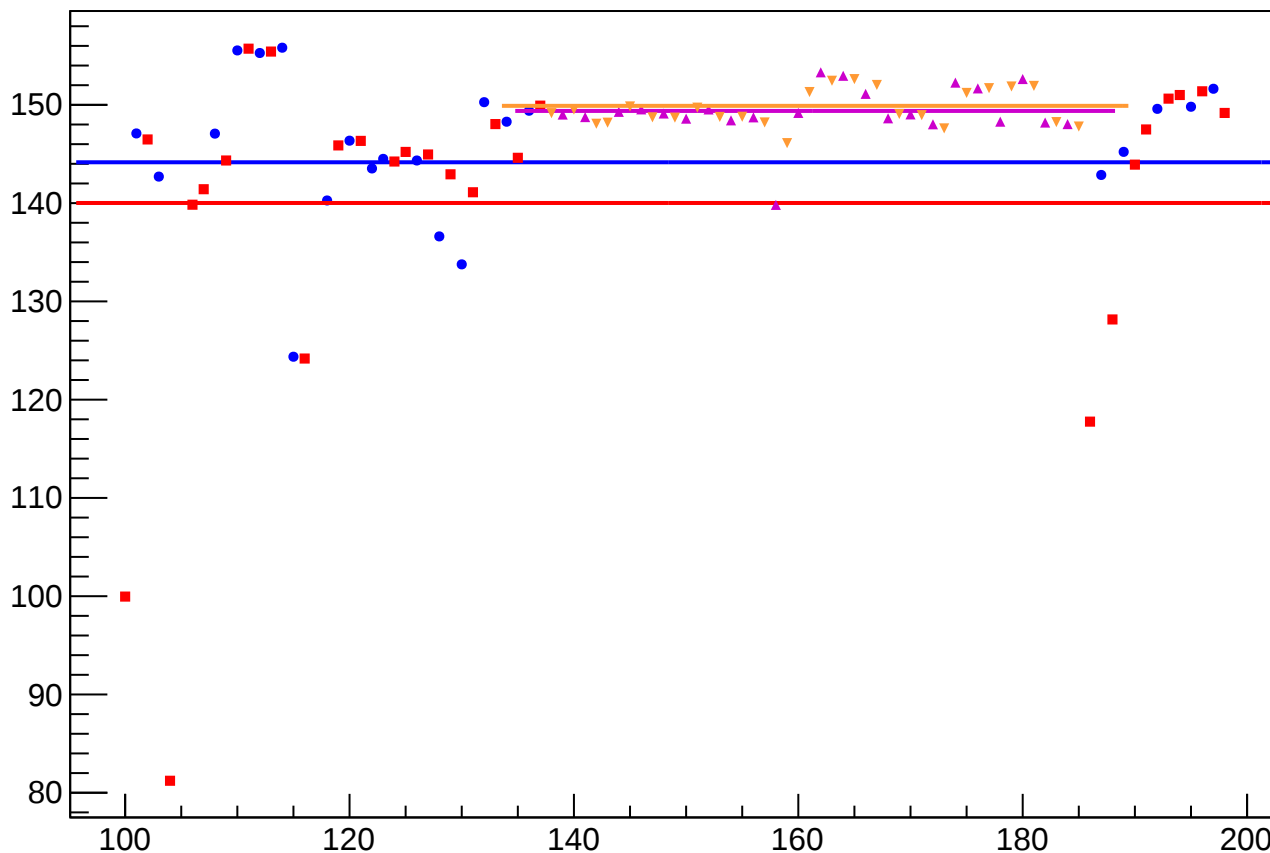
Right: 0.006+/-0.000 χ^2/NDF : 31036462.7/48

In: 0.007+/-0.000 χ^2/NDF : 40819848.6/44

Out: 0.007+/-0.000 χ^2/NDF : 45984046.7/51

All: 0.007+/-0.000 χ^2/NDF : 86803899.8/96

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 144.157 $\pm$ 0.000

χ^2/NDF : 1192512146.1/21

Left: 149.650 $\pm$ 0.000

χ^2/NDF : 604081739.6/47

Left Out: 149.900 $\pm$ 0.000

χ^2/NDF : 162845622.6/24

Right: 141.720 $\pm$ 0.000

χ^2/NDF : 4335079863.0/48

Right Out: 140.015 $\pm$ 0.000

χ^2/NDF : 2985105628.7/26

In: 148.085 $\pm$ 0.000

χ^2/NDF : 1947449751.9/44

Out: 146.883 $\pm$ 0.000

χ^2/NDF : 4661431193.3/51

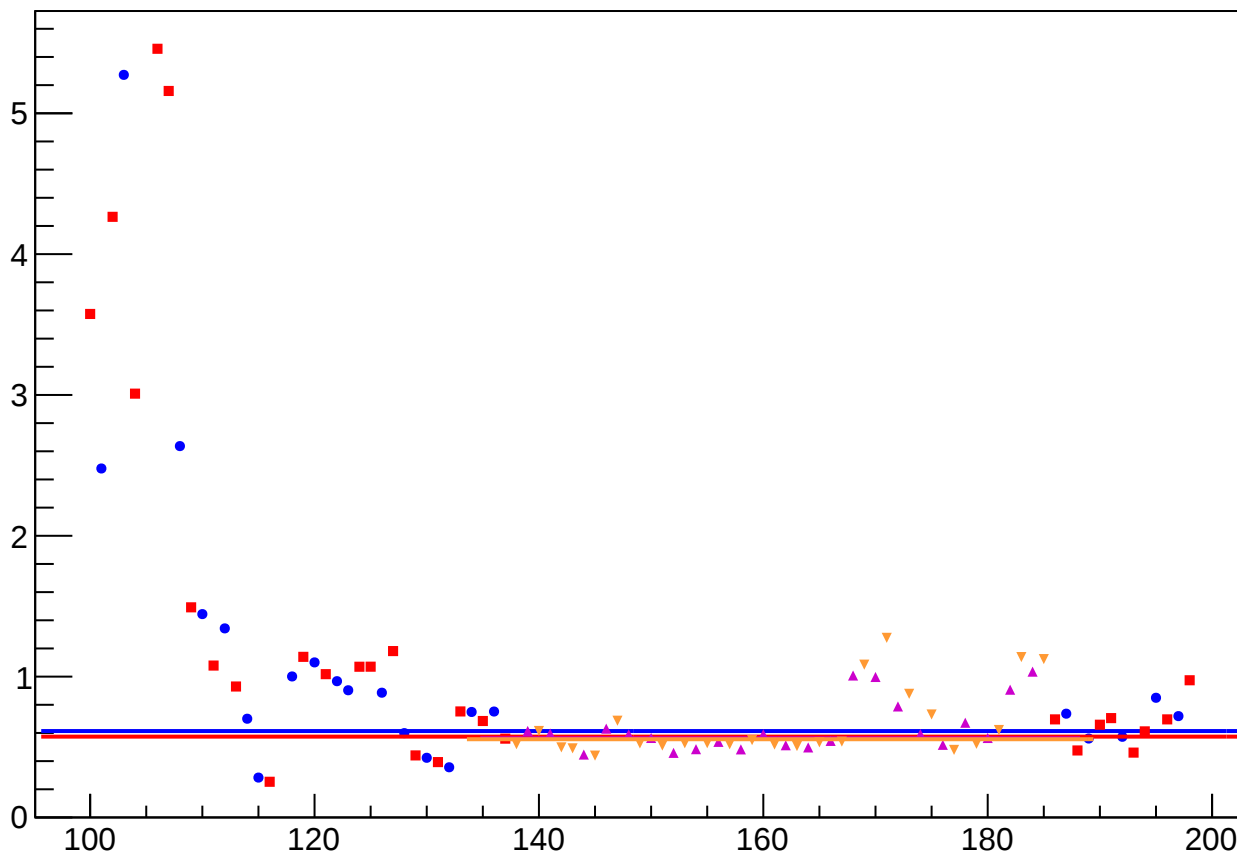
Left In: 149.382 $\pm$ 0.000

χ^2/NDF : 434657827.5/22

All: 147.439 $\pm$ 0.000

χ^2/NDF : 6657743386.9

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.614 $\pm$ 0.000 χ^2 /NDF: 3683965.1/21

Left Out: 0.555 $\pm$ 0.000 χ^2 /NDF:1773688.1/24

Right Out: 0.574 $\pm$ 0.000 χ^2 /NDF: 5112745.7/26

Left In: 0.562 $\pm$ 0.000 χ^2 /NDF:1305573.4/22

Left: 0.559 $\pm$ 0.000 χ^2 /NDF: 3081194.0/47

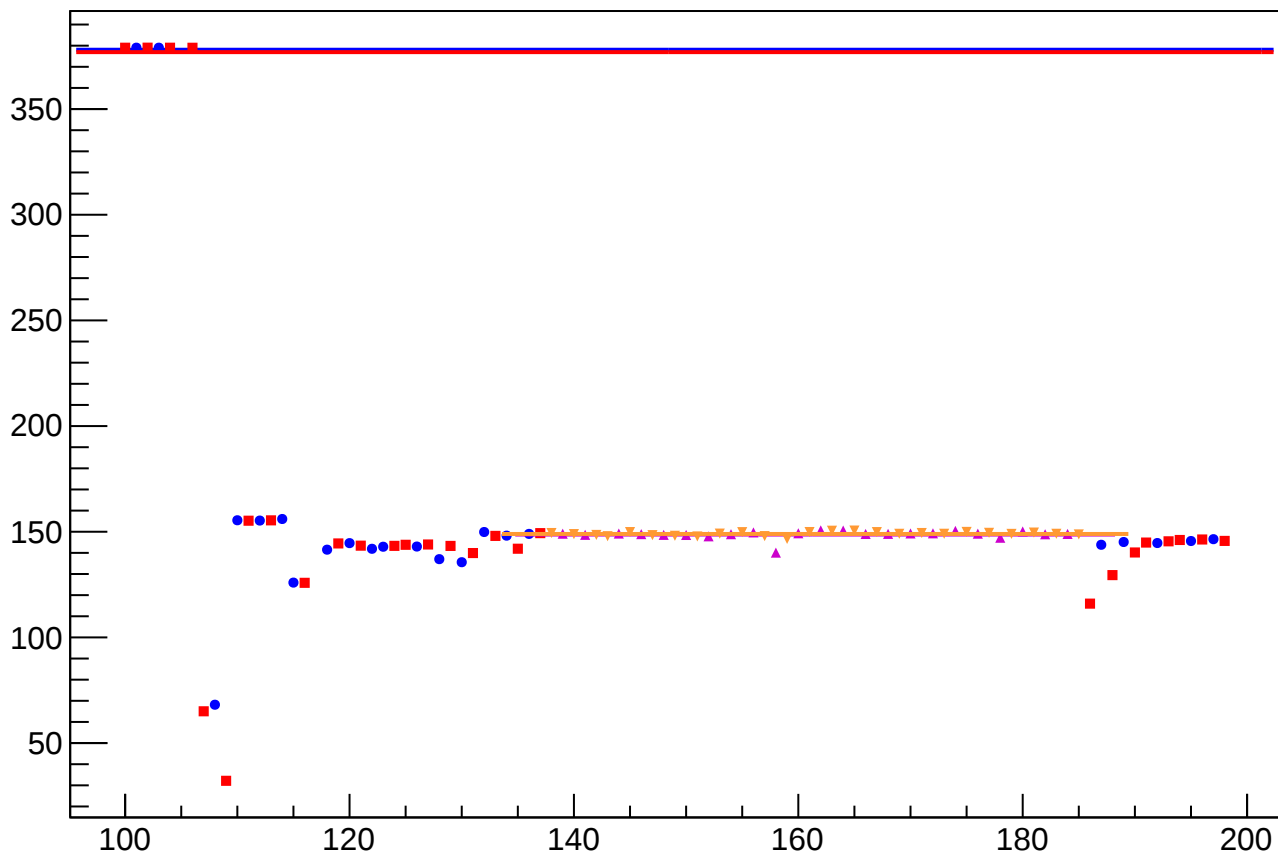
Right: 0.590 $\pm$ 0.000 χ^2 /NDF: 8825421.3/48

In: 0.575 $\pm$ 0.000 χ^2 /NDF:5052379.2/44

Out: 0.561 $\pm$ 0.000 χ^2 /NDF:6897021.3/51

All: 0.567 $\pm$ 0.000 χ^2 /NDF: 11961681.5/96

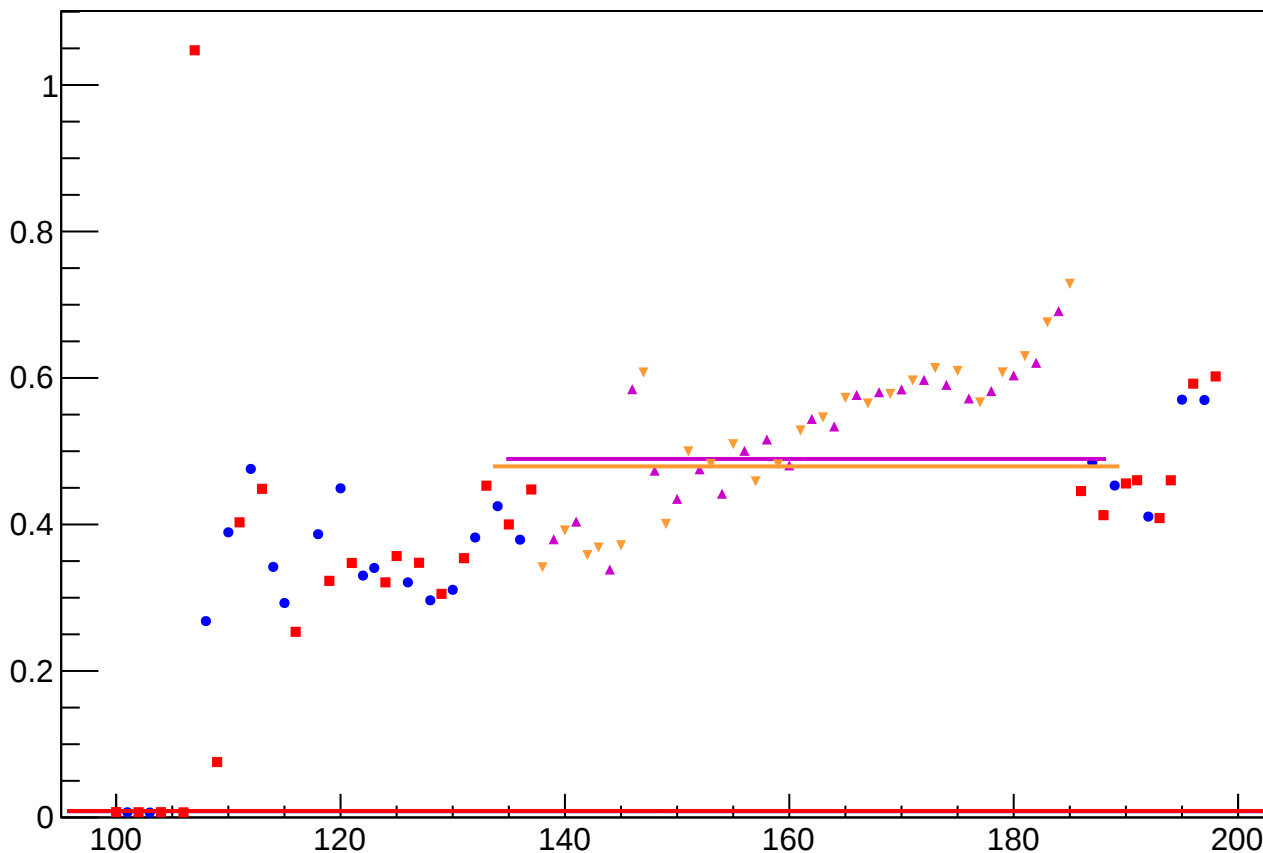
yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.073 $\pm$ 0.000 χ^2 /NDF: 3157974702136.3/21
 Left Out: 148.944 $\pm$ 0.000 χ^2 /NDF: 63976941.3/24
 Right Out: 376.946 $\pm$ 0.000 χ^2 /NDF: 9521016592574.0/26
 Left In: 148.672 $\pm$ 0.000 χ^2 /NDF: 252846428.3/22

Left: 148.814 $\pm$ 0.000 χ^2 /NDF: 319467494.9/47
 Right: 377.473 $\pm$ 0.000 χ^2 /NDF: 12688008119394.1
 In: 376.902 $\pm$ 0.000 χ^2 /NDF: 6739187437258.8/44
 Out: 375.832 $\pm$ 0.000 χ^2 /NDF: 13385495408685.3
 All: 376.332 $\pm$ 0.000 χ^2 /NDF: 201328593387.1

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 15353961.3/21

Left Out: 0.479+/-0.000 χ^2/NDF : 1516566.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 18834408.9/26

Left In: 0.489+/-0.000 χ^2/NDF : 1076134.2/22

Left: 0.484+/-0.000 χ^2/NDF : 2600075.4/47

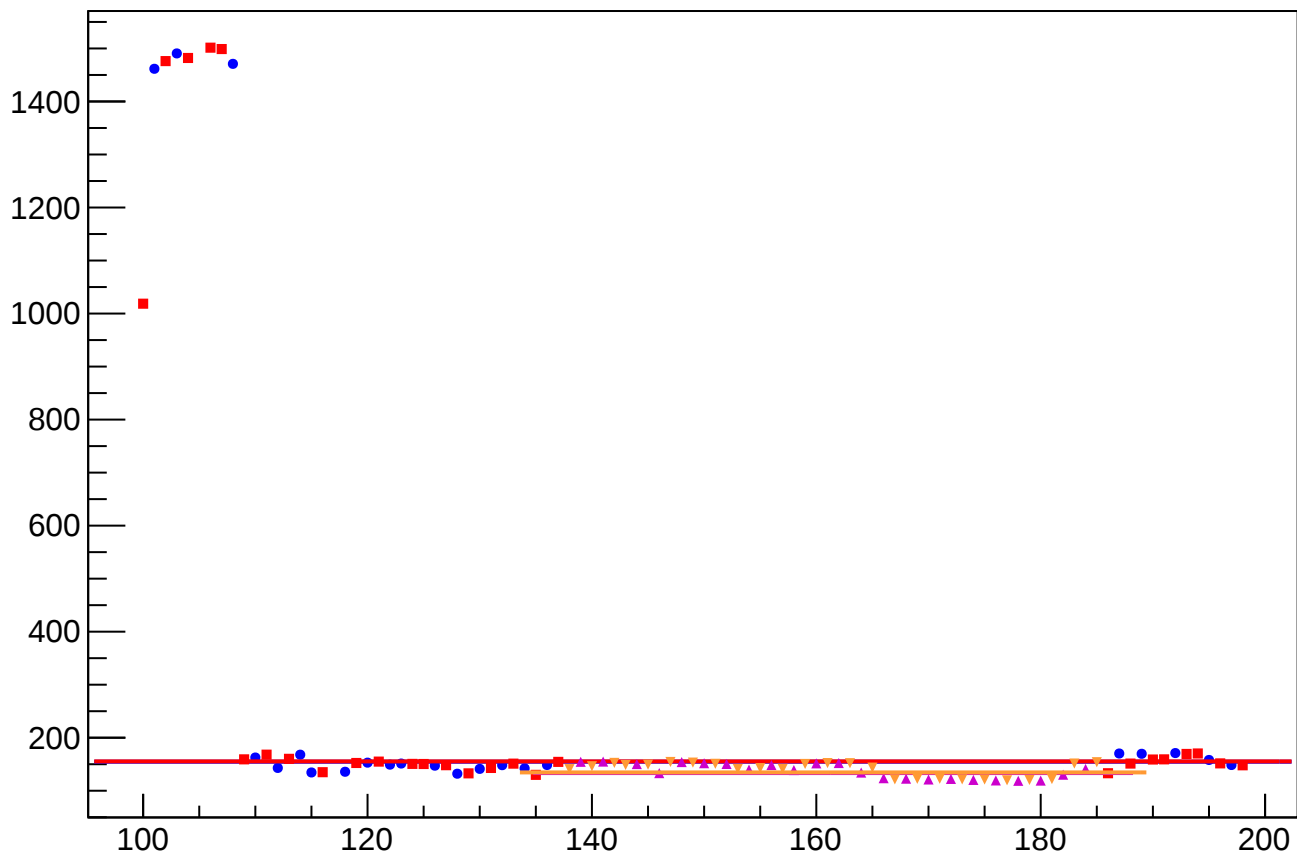
Right: 0.009+/-0.000 χ^2/NDF : 34189262.9/48

In: 0.011+/-0.000 χ^2/NDF : 47905784.3/44

Out: 0.011+/-0.000 χ^2/NDF : 53263275.5/51

All: 0.011+/-0.000 χ^2/NDF : 101169190.7/96

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 154.727+/-0.000 χ^2/NDF : 25452281513.3/21

Left Out: 134.554+/-0.000 χ^2/NDF : 4376966869.3/24

Right Out: 155.350+/-0.000 χ^2/NDF : 34742469932.2/26

Left In: 133.337+/-0.000 χ^2/NDF : 4303812119.2/22

Left: 133.958+/-0.000 χ^2/NDF : 8697951676.8/47

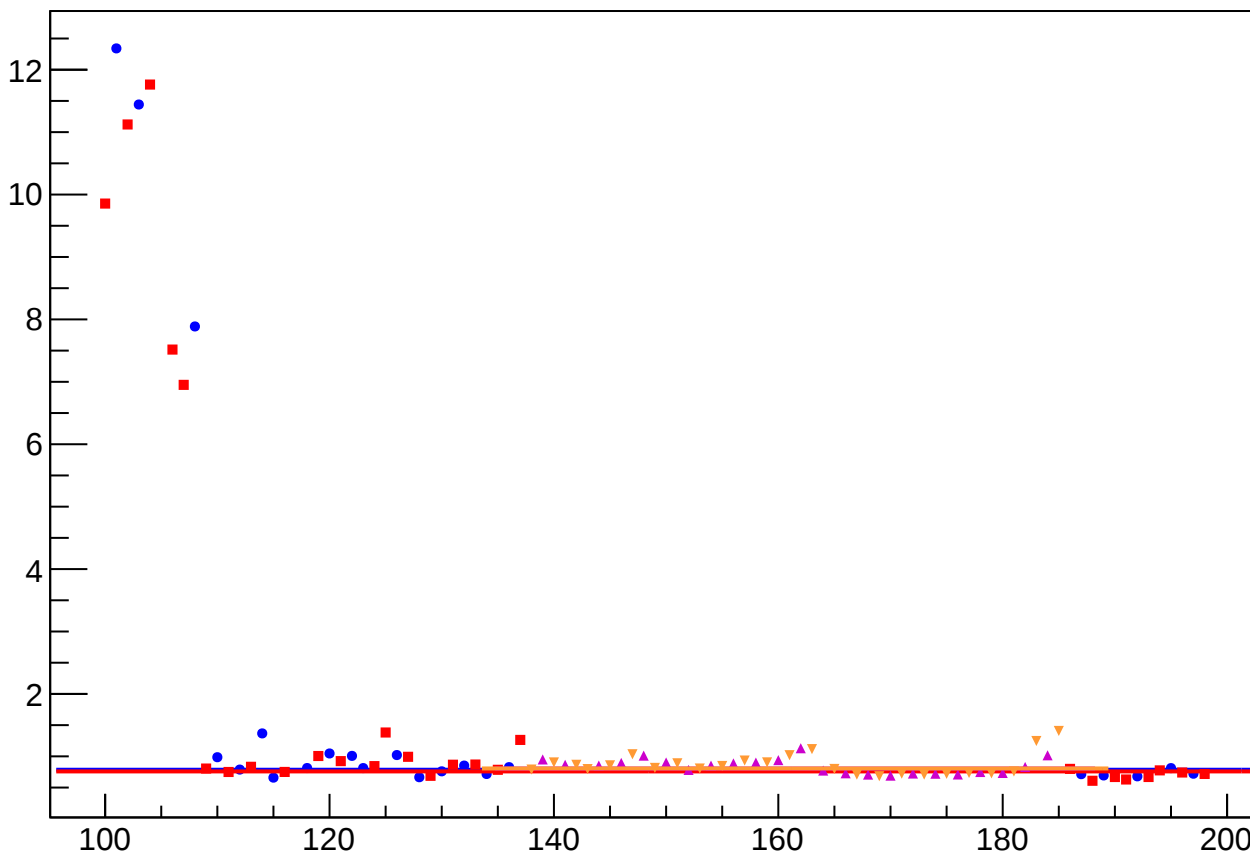
Right: 155.092+/-0.000 χ^2/NDF : 60197103574.4/48

In: 140.023+/-0.000 χ^2/NDF : 33008185555.0/44

Out: 142.487+/-0.000 χ^2/NDF : 43031598941.6/51

All: 141.346+/-0.000 χ^2/NDF : 76147570101.0

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.785 $\pm$ 0.000 χ^2 /NDF: 2763611.7/21

Left Out: 0.806 $\pm$ 0.000 χ^2 /NDF:690578.5/24

Right Out: 0.759 $\pm$ 0.000 χ^2 /NDF: 3128366.7/26

Left In: 0.805 $\pm$ 0.000 χ^2 /NDF:480510.8/22

Left: 0.805 $\pm$ 0.000 χ^2 /NDF: 1171131.4/47

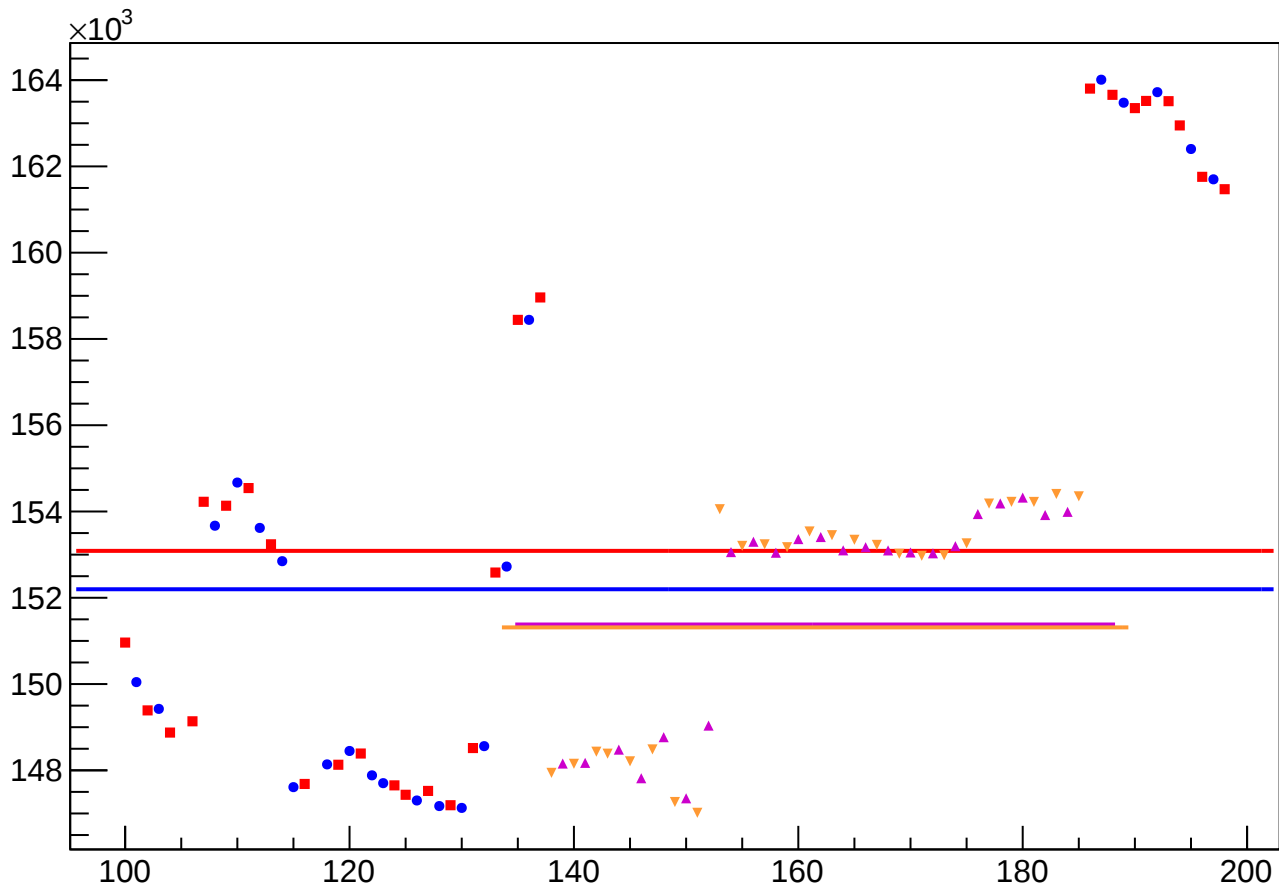
Right: 0.770 $\pm$ 0.000 χ^2 /NDF: 5900726.9/48

In: 0.799 $\pm$ 0.000 χ^2 /NDF:3249402.0/44

Out: 0.788 $\pm$ 0.000 χ^2 /NDF:3859747.8/51

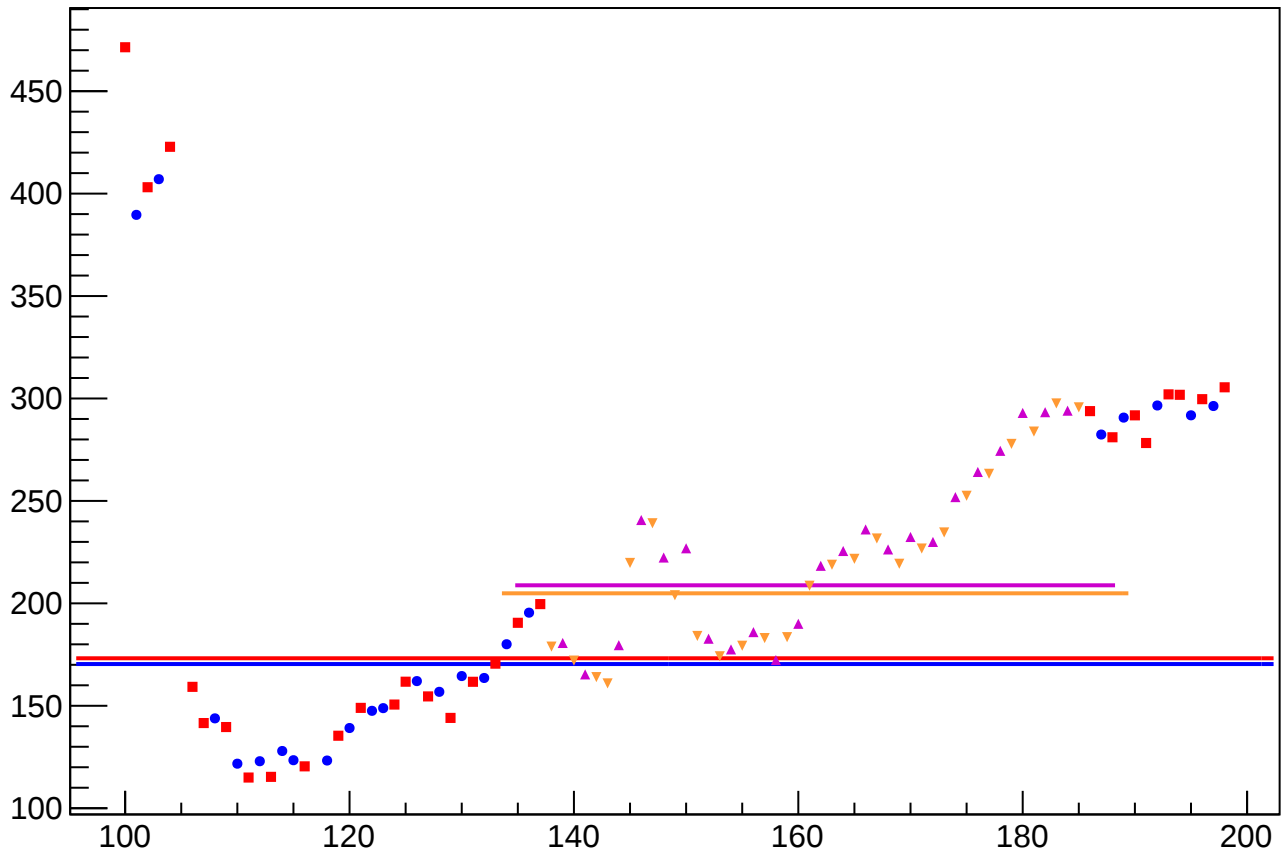
All: 0.793 $\pm$ 0.000 χ^2 /NDF: 7113250.8/96

yield_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 152197.455 $\pm$ 0.059	χ^2 /NDF: 7963160478.1/21	Left: 151345.082 $\pm$ 0.035	χ^2 /NDF: 5518562148.3/4
Left Out: 151313.284 $\pm$ 0.049	χ^2 /NDF: 3153768134.8/24	Right: 152678.590 $\pm$ 0.040	χ^2 /NDF: 18050337235.4/4
Right Out: 153087.207 $\pm$ 0.054	χ^2 /NDF: 9964397250.7/26	In: 151730.882 $\pm$ 0.039	χ^2 /NDF: 10436413867.4/4
Left In: 151380.236 $\pm$ 0.051	χ^2 /NDF: 2363895785.3/22	Out: 152101.921 $\pm$ 0.036	χ^2 /NDF: 13708417903.0/4
		All: 151928.247 $\pm$ 0.026	χ^2 /NDF: 241937816.4/4

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 170.373 $\pm$ 0.042 χ^2 /NDF: 2388514.7/21

Left Out: 204.900 $\pm$ 0.034 χ^2 /NDF:1056380.8/24

Right Out: 173.189 $\pm$ 0.038 χ^2 /NDF: 3257536.4/26

Left In: 208.813 $\pm$ 0.036 χ^2 /NDF:1001936.6/22

Left: 206.758 $\pm$ 0.025 χ^2 /NDF: 2064453.9/47

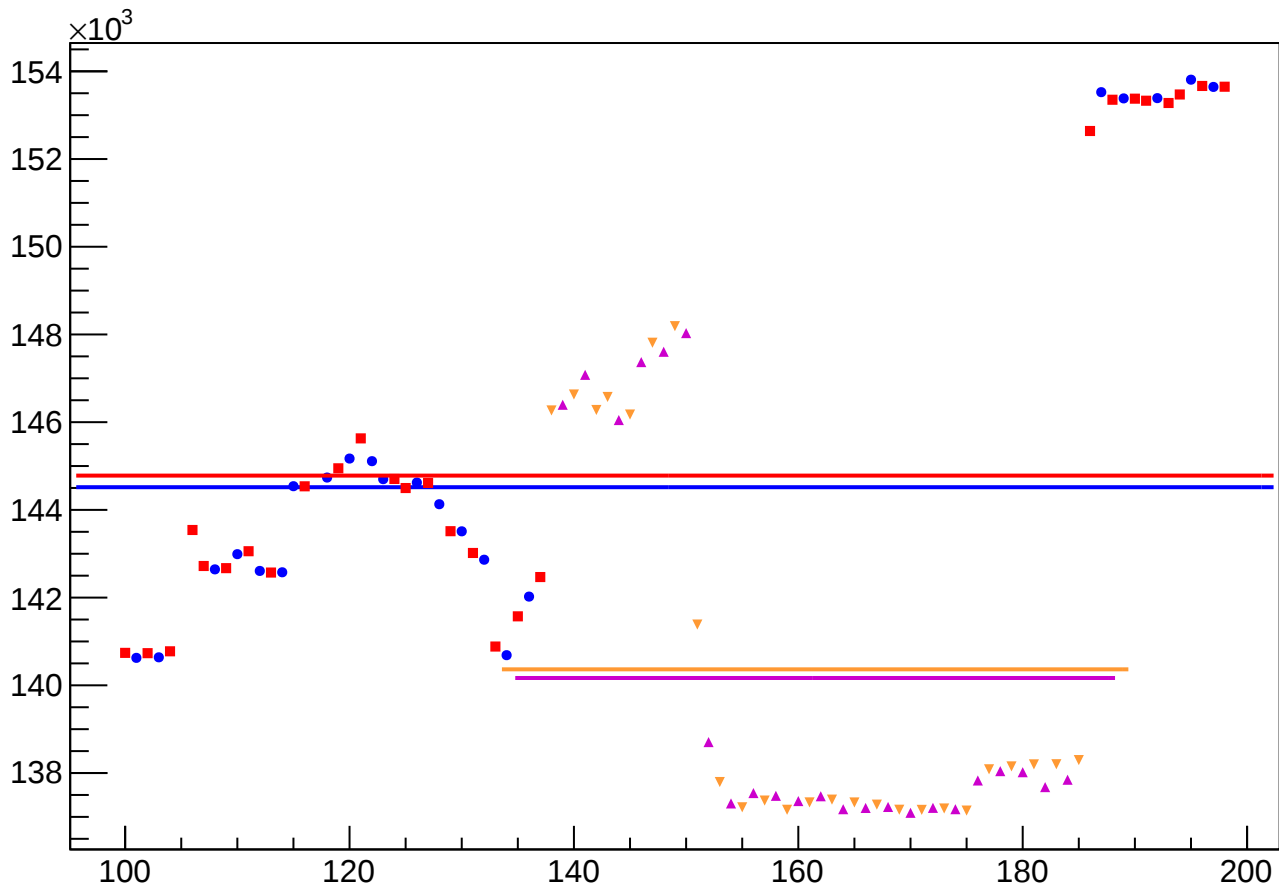
Right: 171.896 $\pm$ 0.028 χ^2 /NDF: 5648509.8/48

In: 192.319 $\pm$ 0.027 χ^2 /NDF:3874353.3/44

Out: 190.802 $\pm$ 0.026 χ^2 /NDF:4691157.6/51

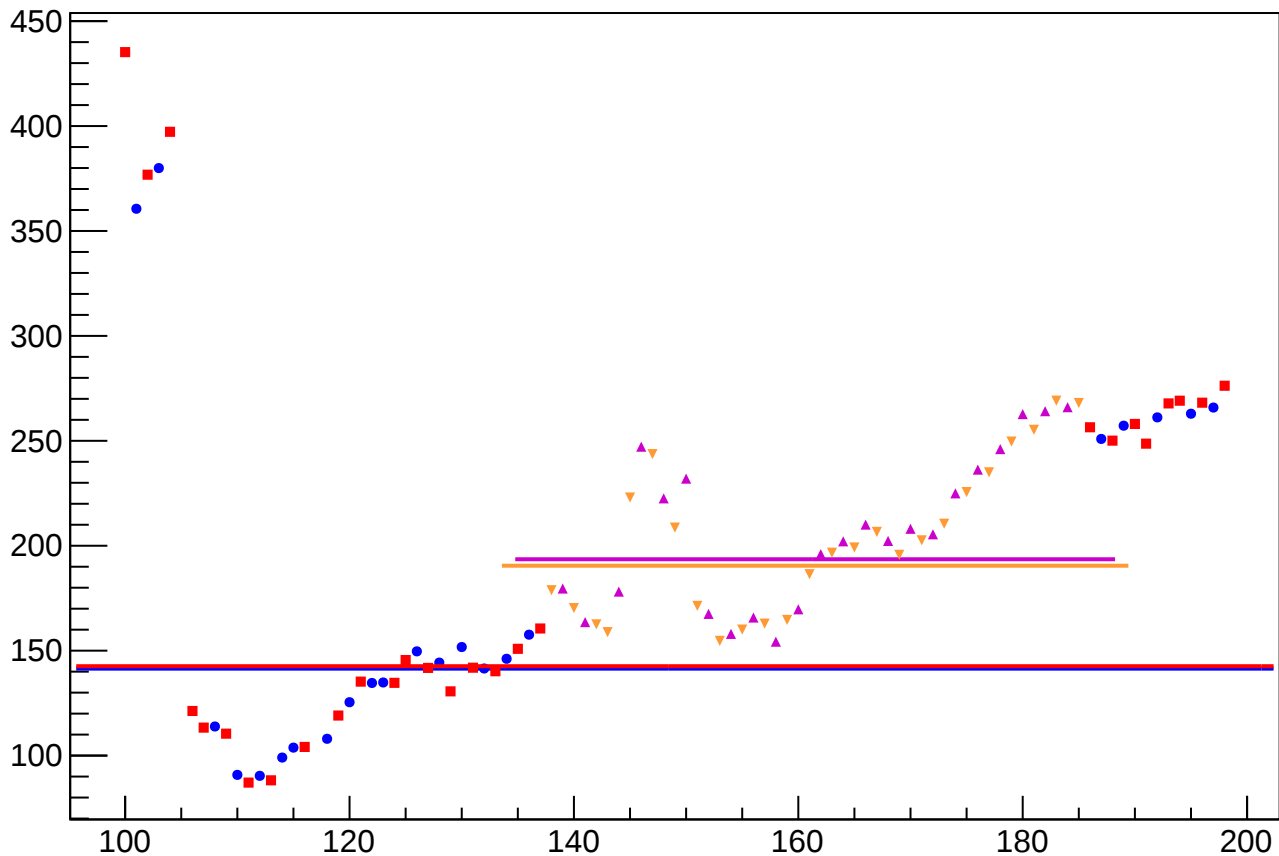
All: 191.512 $\pm$ 0.019 χ^2 /NDF: 8567148.6/96

yield_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 144517.231+/-0.050	χ^2/NDF : 4653661193.3/21	Left: 140270.460+/-0.033	χ^2/NDF : 16714620354.4
Left Out: 140364.444+/-0.045	χ^2/NDF : 8677078677.7/24	Right: 144661.869+/-0.034	χ^2/NDF : 11560353959.7
Right Out: 144781.830+/-0.045	χ^2/NDF : 6891244310.8/26	In: 142238.195+/-0.034	χ^2/NDF : 16684160292.6/4
Left In: 140166.971+/-0.047	χ^2/NDF : 8028464654.6/22	Out: 142567.750+/-0.032	χ^2/NDF : 20328432921.9
		All: 142414.534+/-0.023	χ^2/NDF : 370618627

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 141.442 $\pm$ 0.035 χ^2 /NDF: 2898618.8/21

Left Out: 190.486 $\pm$ 0.032 χ^2 /NDF: 950233.2/24

Right Out: 142.594 $\pm$ 0.032 χ^2 /NDF: 3931994.7/26

Left In: 193.558 $\pm$ 0.034 χ^2 /NDF: 963675.0/22

Left: 191.948 $\pm$ 0.023 χ^2 /NDF: 1918302.4/47

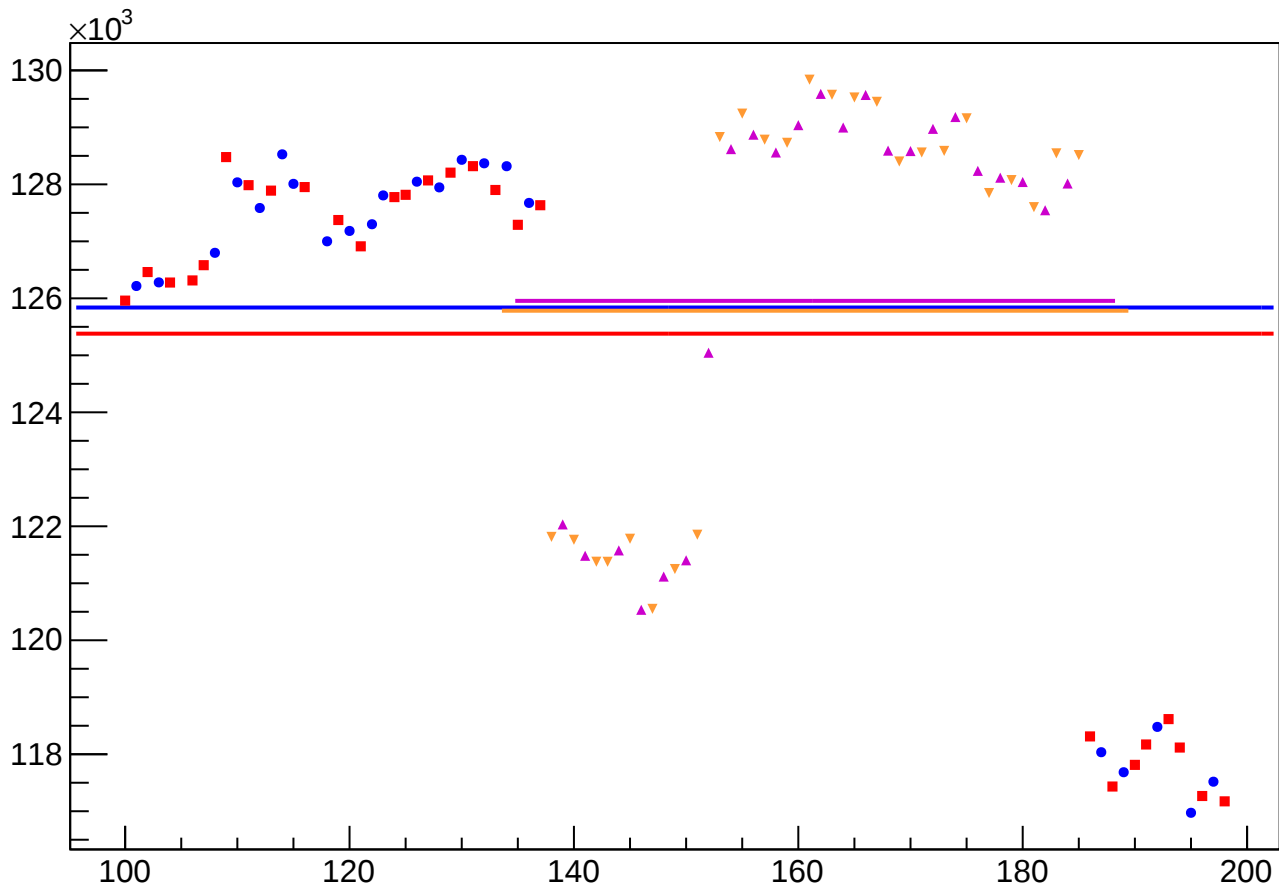
Right: 142.072 $\pm$ 0.024 χ^2 /NDF: 6831199.7/48

In: 168.745 $\pm$ 0.024 χ^2 /NDF: 5011058.7/44

Out: 166.598 $\pm$ 0.023 χ^2 /NDF: 6001246.7/51

All: 167.596 $\pm$ 0.017 χ^2 /NDF: 11016484.9/96

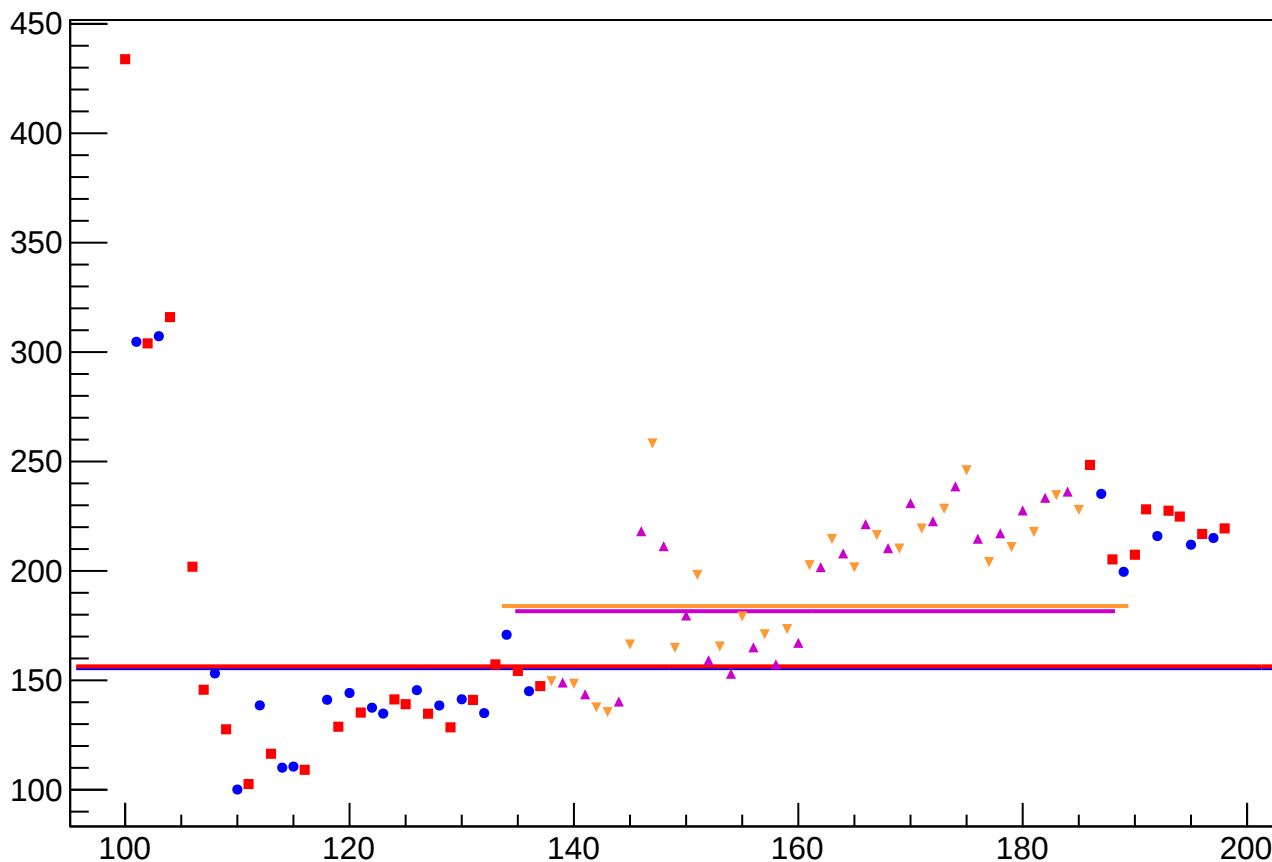
yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 125838.865 $\pm$ 0.052 χ^2 /NDF: 5637518961.1/21
 Left Out: 125782.764 $\pm$ 0.044 χ^2 /NDF: 6729761889.8/24
 Right Out: 125380.130 $\pm$ 0.048 χ^2 /NDF: 7998067879.3/26
 Left In: 125955.637 $\pm$ 0.045 χ^2 /NDF: 5804088930.1/22

Left: 125867.639 $\pm$ 0.031 χ^2 /NDF: 12541428458.9/21
 Right: 125587.741 $\pm$ 0.035 χ^2 /NDF: 13677422944.4/21
 In: 125906.400 $\pm$ 0.034 χ^2 /NDF: 11444471854.7/24
 Out: 125597.703 $\pm$ 0.032 χ^2 /NDF: 14766311435.8/24
 All: 125744.029 $\pm$ 0.023 χ^2 /NDF: 262539537.1/24

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 155.565+/-0.037 χ^2/NDF : 1382747.3/21

Left Out: 183.947+/-0.031 χ^2/NDF : 1123194.0/24

Right Out: 156.387+/-0.034 χ^2/NDF : 2050682.5/26

Left In: 181.596+/-0.032 χ^2/NDF : 1103524.3/22

Left: 182.792+/-0.022 χ^2/NDF : 2229521.2/47

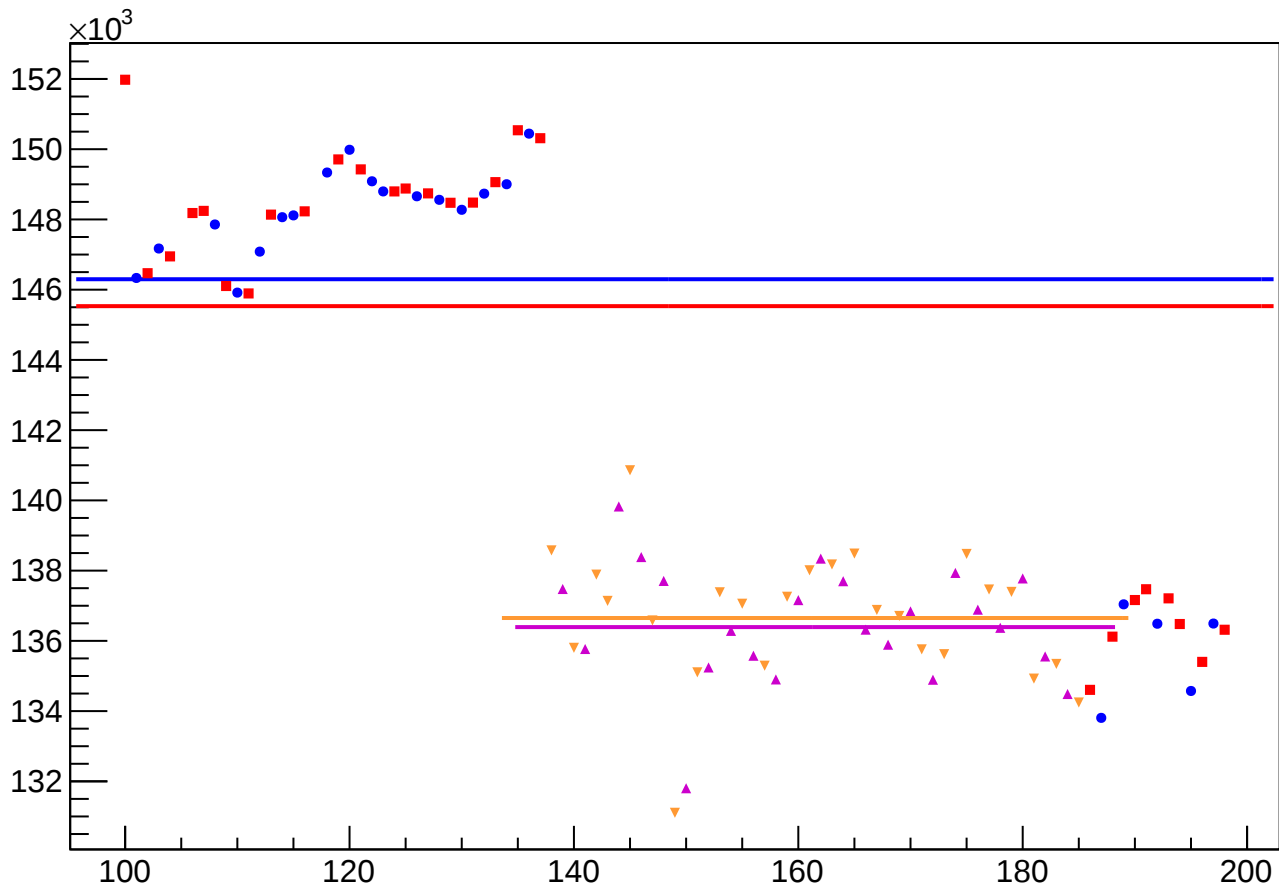
Right: 156.015+/-0.025 χ^2/NDF : 3433698.6/48

In: 170.620+/-0.024 χ^2/NDF : 2770907.0/44

Out: 171.280+/-0.023 χ^2/NDF : 3534458.3/51

All: 170.967+/-0.017 χ^2/NDF : 6305759.8/96

yield_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: 146297.407 $\pm$ 0.075

χ^2 /NDF: 4405693847.8/21

Left: 136524.219 $\pm$ 0.046

χ^2 /NDF: 1640486942.5/4

Left Out: 136650.935 $\pm$ 0.065

χ^2 /NDF: 930649595.5/24

Right: 145873.557 $\pm$ 0.050

χ^2 /NDF: 10488954392.0/4

Right Out: 145531.057 $\pm$ 0.067

χ^2 /NDF: 6024955608.8/26

In: 140736.186 $\pm$ 0.049

χ^2 /NDF: 14995491082.2/4

Out: 140924.582 $\pm$ 0.047

χ^2 /NDF: 16042281473.9/4

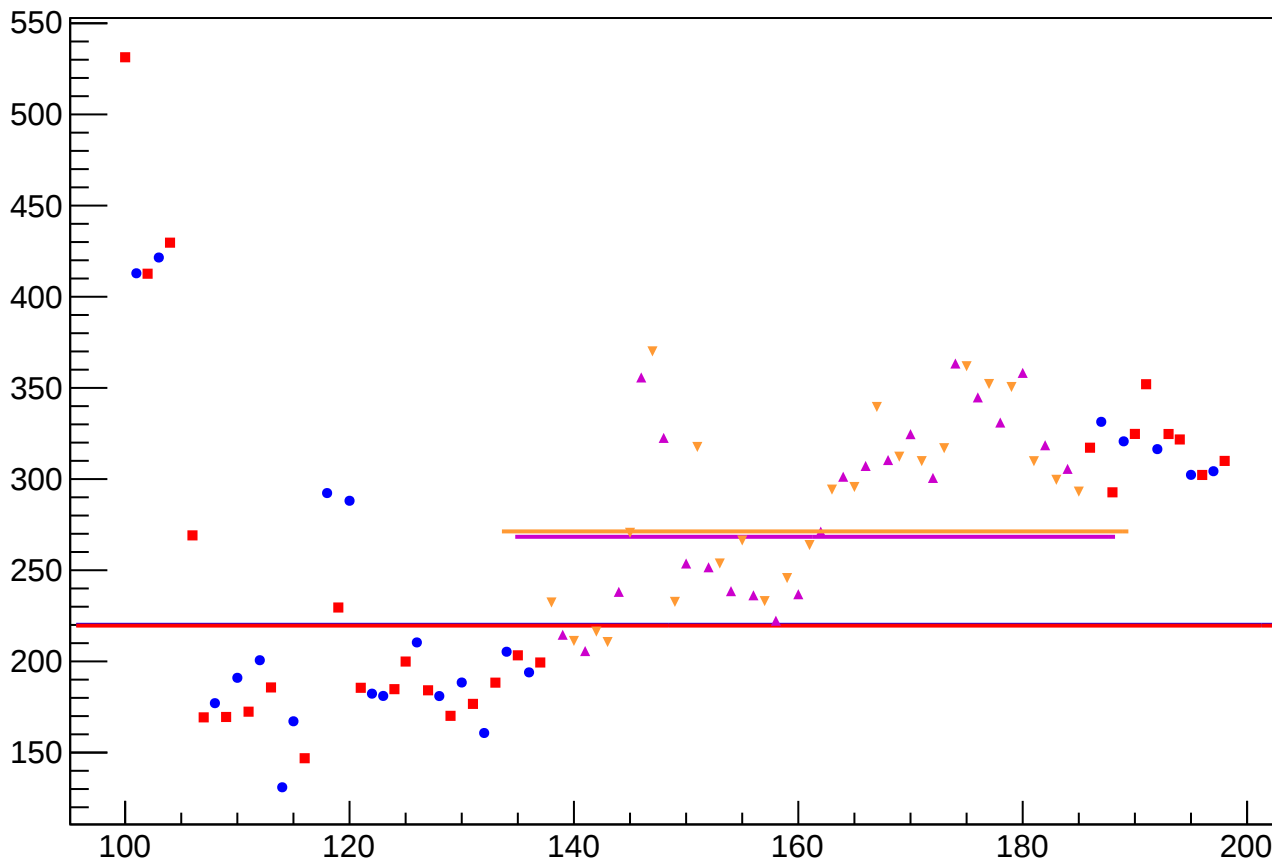
Left In: 136392.188 $\pm$ 0.066

χ^2 /NDF: 701986841.4/22

All: 140836.038 $\pm$ 0.034

χ^2 /NDF: 310454723.0/4

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 220.074+/-0.053 χ^2/NDF : 1574493.2/21

Left Out: 271.295+/-0.046 χ^2/NDF :1064485.7/24

Right Out: 219.642+/-0.047 χ^2/NDF : 2001361.9/26

Left In: 268.344+/-0.047 χ^2/NDF :1077364.0/22

Left: 269.850+/-0.033 χ^2/NDF : 2143892.9/47

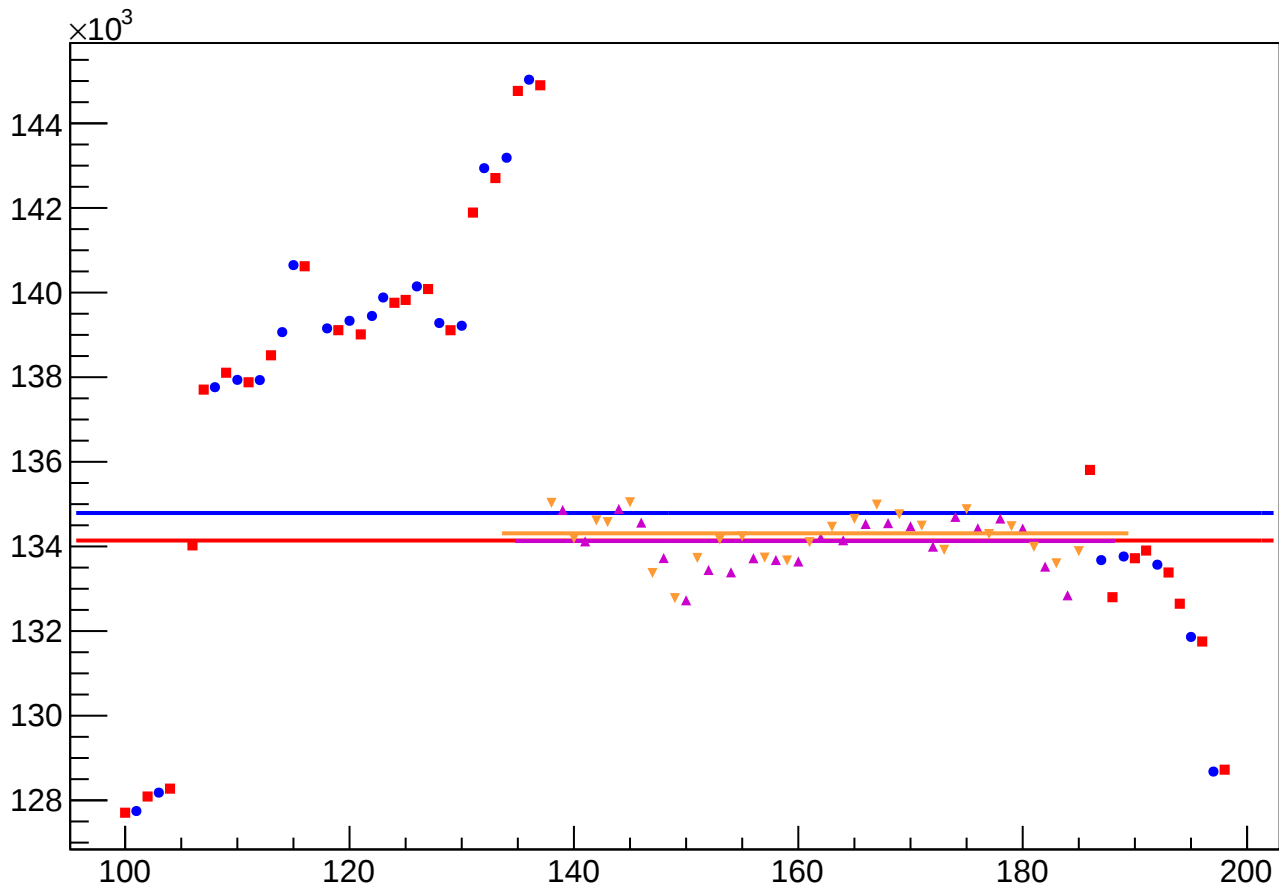
Right: 219.835+/-0.035 χ^2/NDF : 3575892.2/48

In: 247.175+/-0.035 χ^2/NDF :3121480.8/44

Out: 246.436+/-0.033 χ^2/NDF :3680733.7/51

All: 246.783+/-0.024 χ^2/NDF : 6802450.9/96

yield_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: 134790.400 ± 0.134

Left Out: 134310.250 ± 0.139

Right Out: 134140.172 ± 0.124

Left In: 134128.172 ± 0.142

$\chi^2/\text{NDF}: 1856397199.6/21$

$\chi^2/\text{NDF}: 15518632.9/24$

$\chi^2/\text{NDF}: 1368929493.8/26$

$\chi^2/\text{NDF}: 15533736.2/22$

Left: 134221.438 ± 0.099

Right: 134438.718 ± 0.091

In: 134477.800 ± 0.098

Out: 134215.608 ± 0.092

All: 134339.421 ± 0.067

$\chi^2/\text{NDF}: 31894688.0/47$

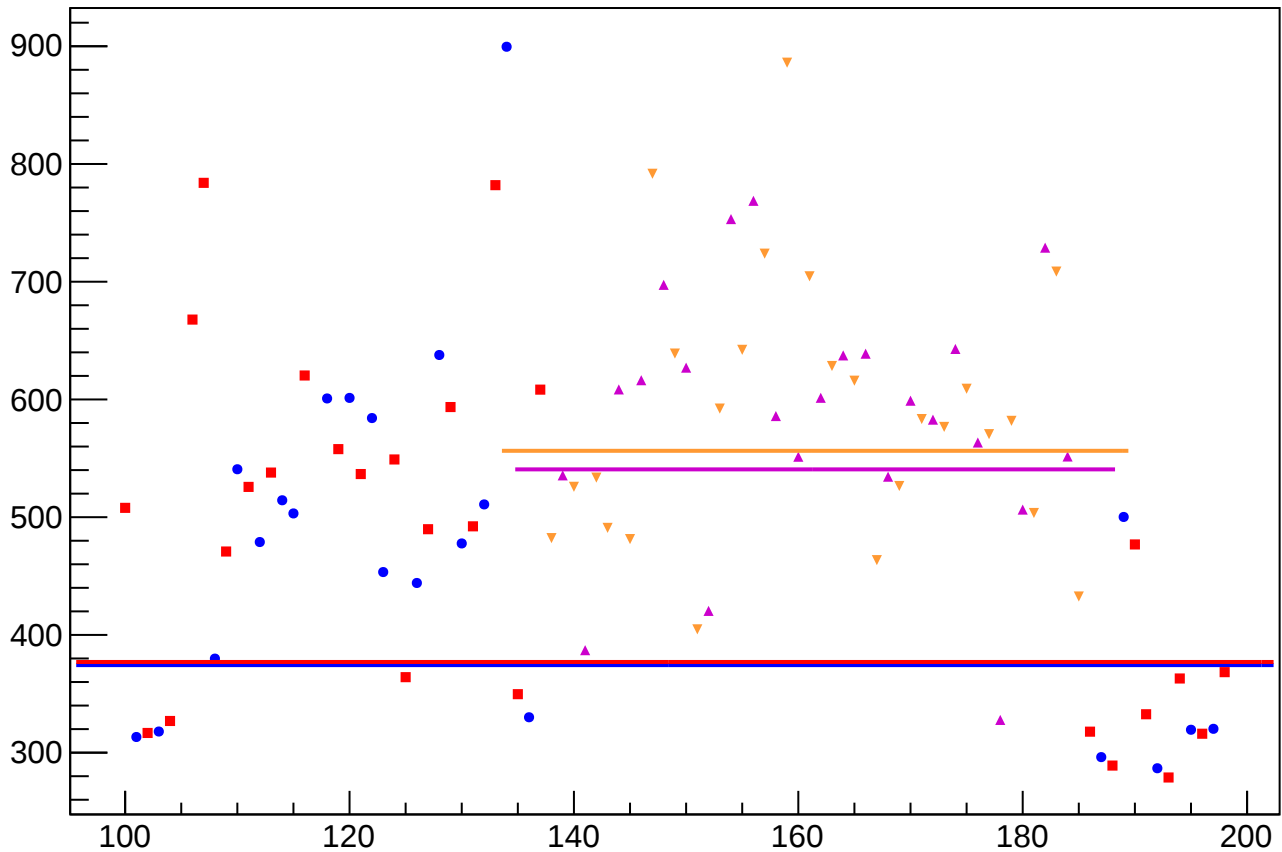
$\chi^2/\text{NDF}: 3238012878.1/$

$\chi^2/\text{NDF}: 1883415433.9/4$

$\chi^2/\text{NDF}: 1385286577.9/5$

$\chi^2/\text{NDF}: 327251446$

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 374.357 $\pm$ 0.095 χ^2 /NDF: 1155091.9/21

Left Out: 556.381 $\pm$ 0.098 χ^2 /NDF: 1002064.0/24

Right Out: 377.029 $\pm$ 0.087 χ^2 /NDF: 1540778.0/26

Left In: 540.607 $\pm$ 0.100 χ^2 /NDF: 1409015.2/22

Left: 548.687 $\pm$ 0.070 χ^2 /NDF: 2423723.9/47

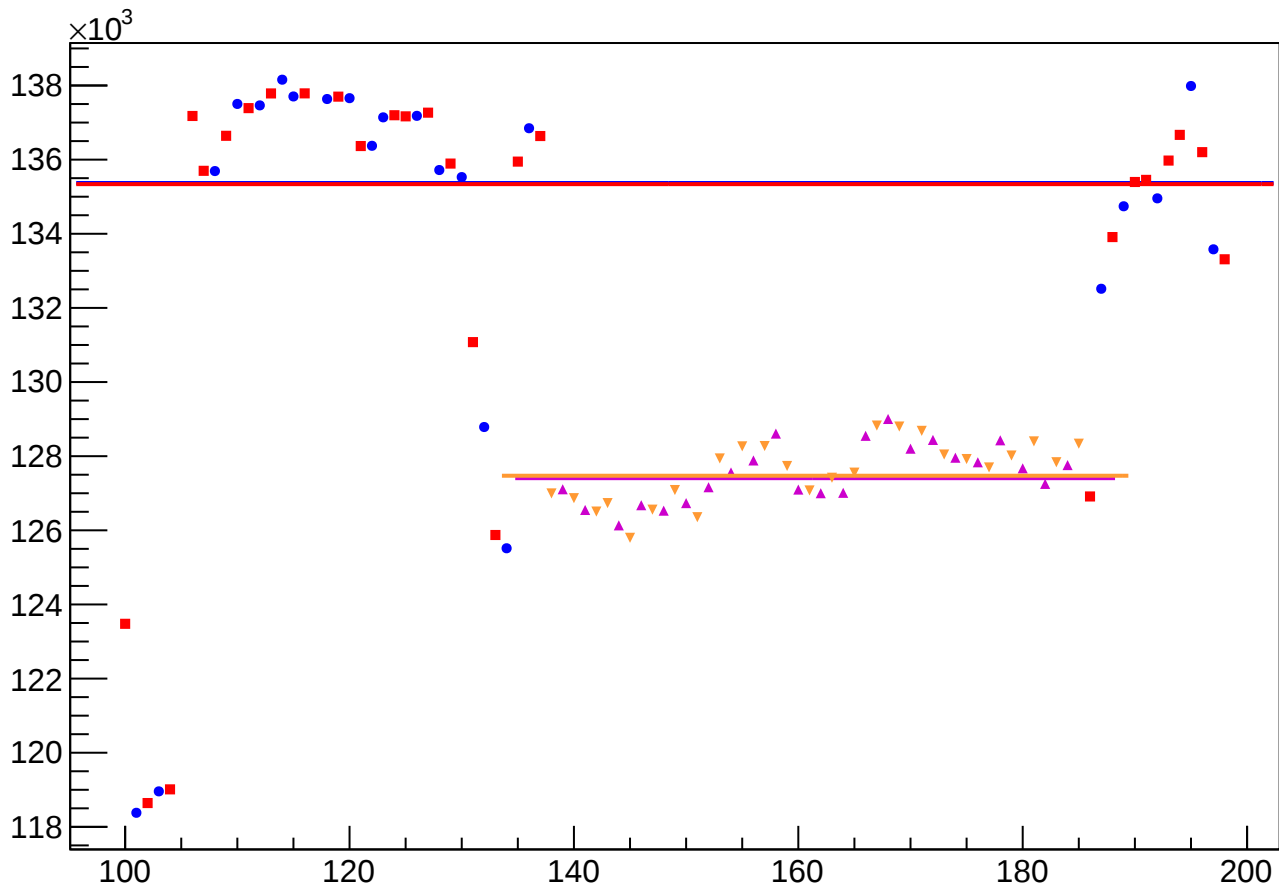
Right: 375.802 $\pm$ 0.064 χ^2 /NDF: 2696298.6/48

In: 452.834 $\pm$ 0.069 χ^2 /NDF: 4011718.0/44

Out: 456.578 $\pm$ 0.065 χ^2 /NDF: 4407628.2/51

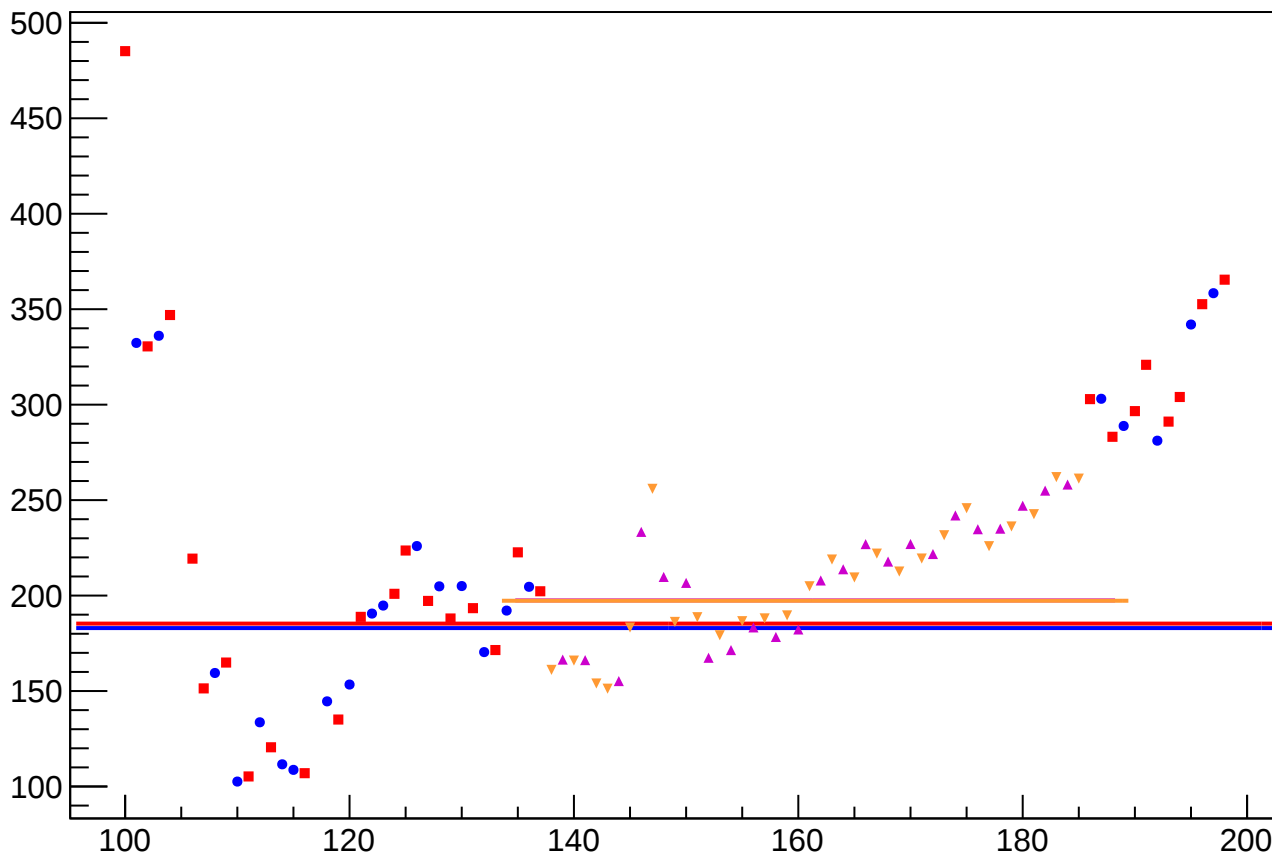
All: 454.810 $\pm$ 0.047 χ^2 /NDF: 8420901.3/96

yield_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: 135369.281+/-0.064	χ^2/NDF : 4661407538.0/21	Left: 127440.757+/-0.034	χ^2/NDF : 574486725.7/47
Left Out: 127472.525+/-0.047	χ^2/NDF : 303609315.6/24	Right: 135352.715+/-0.043	χ^2/NDF : 9762433529.0/47
Right Out: 135338.800+/-0.059	χ^2/NDF : 5100902122.2/26	In: 130309.910+/-0.039	χ^2/NDF : 14813643271.2/47
Left In: 127406.911+/-0.048	χ^2/NDF : 269927988.0/22	Out: 130545.781+/-0.037	χ^2/NDF : 16415889703.3/47
		All: 130434.048+/-0.027	χ^2/NDF : 31249234.0/47

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 182.976+/-0.045 χ^2/NDF : 2469031.9/21

Left Out: 197.289+/-0.033 χ^2/NDF : 852024.1/24

Right Out: 185.321+/-0.041 χ^2/NDF : 3407085.3/26

Left In: 197.471+/-0.034 χ^2/NDF : 791577.5/22

Left: 197.377+/-0.024 χ^2/NDF : 1643616.2/47

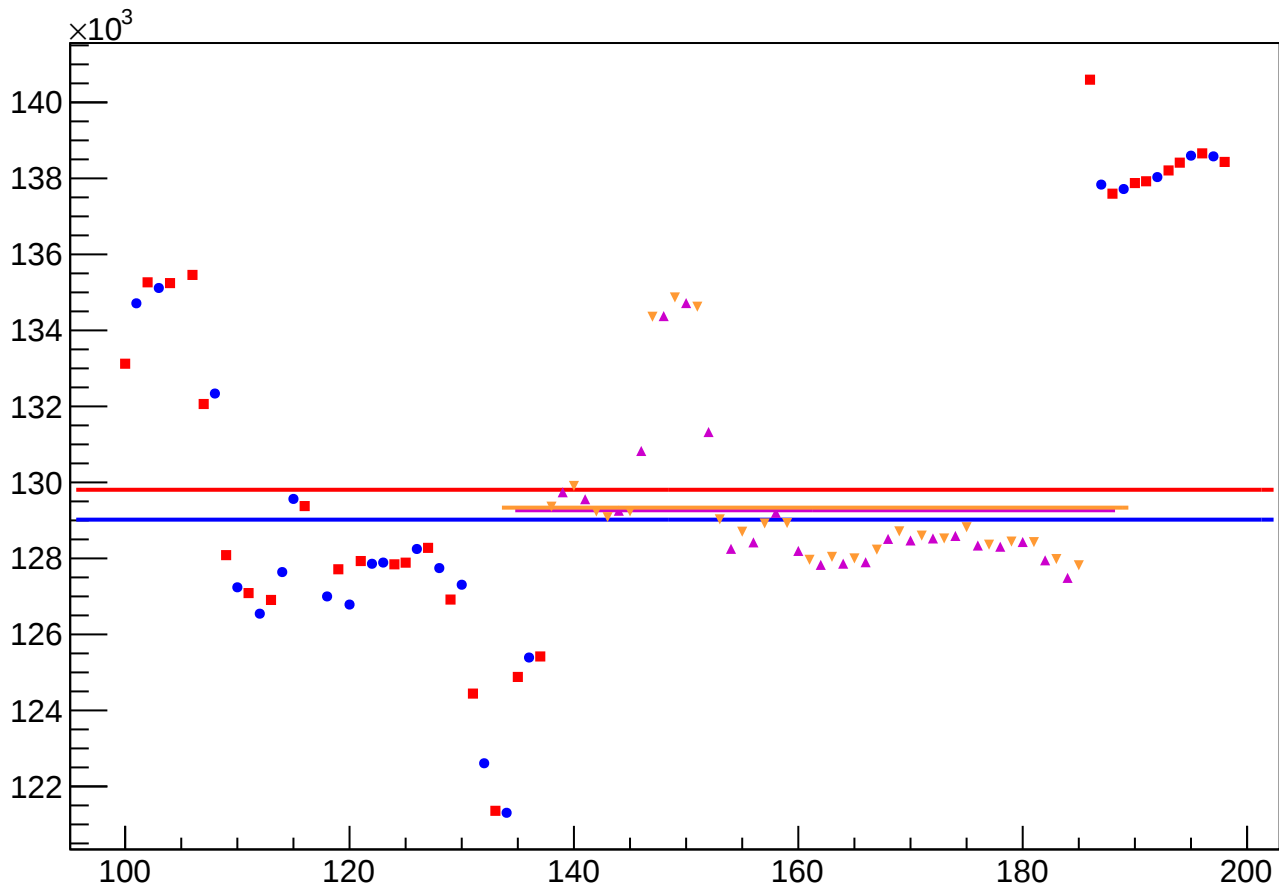
Right: 184.250+/-0.031 χ^2/NDF : 5877582.9/48

In: 192.186+/-0.027 χ^2/NDF : 3326108.3/44

Out: 192.613+/-0.026 χ^2/NDF : 4310092.7/51

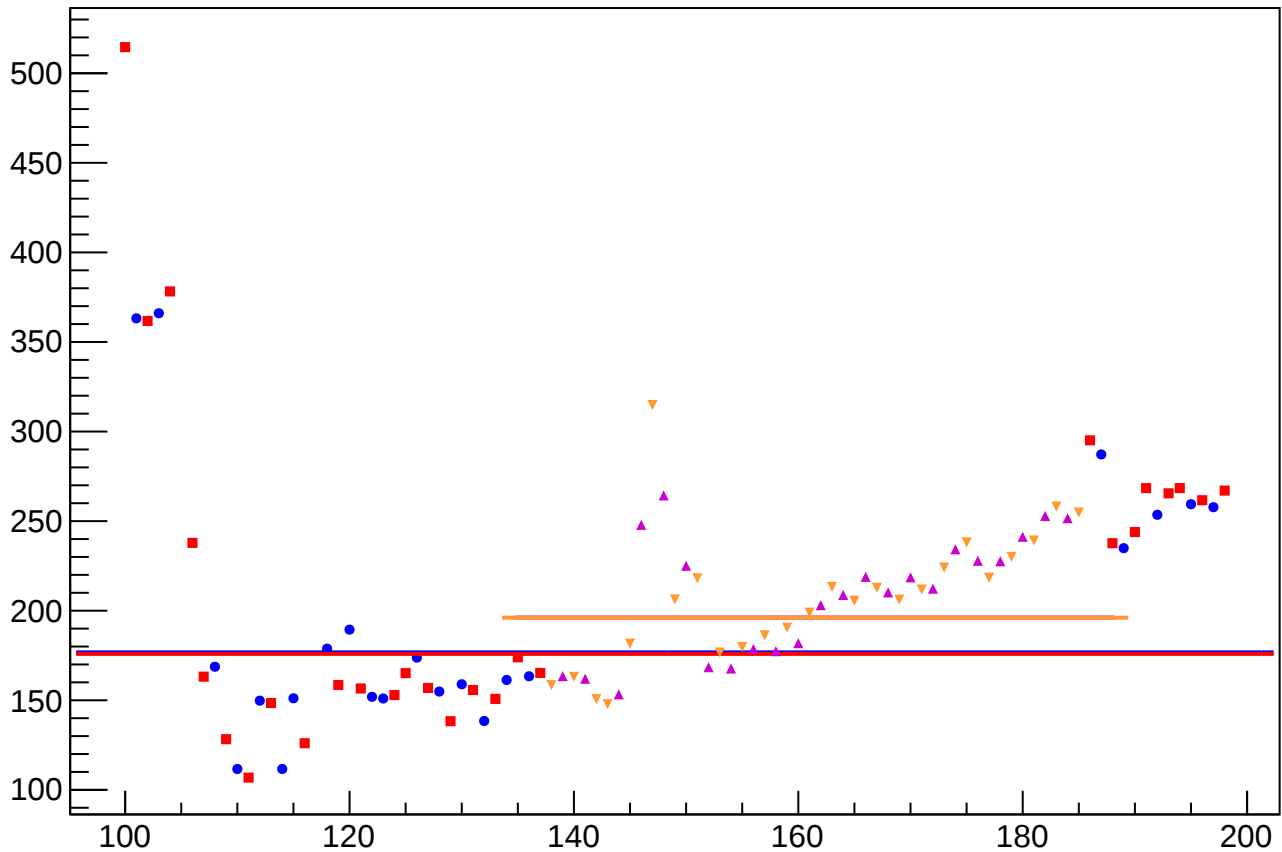
All: 192.411+/-0.019 χ^2/NDF : 7636330.1/96

yield_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: 129020.004 $\pm$ 0.060	χ^2 /NDF: 6602364454.8/21	Left: 129302.466 $\pm$ 0.034	χ^2 /NDF: 2665755007.2/4
Left Out: 129335.946 $\pm$ 0.047	χ^2 /NDF: 1450933621.0/24	Right: 129453.759 $\pm$ 0.040	χ^2 /NDF: 15623814759.4
Right Out: 129806.144 $\pm$ 0.054	χ^2 /NDF: 8928006000.7/26	In: 129170.974 $\pm$ 0.038	χ^2 /NDF: 7826341996.8/4
Left In: 129266.909 $\pm$ 0.048	χ^2 /NDF: 1213762773.1/22	Out: 129535.371 $\pm$ 0.035	χ^2 /NDF: 10421885614.7
		All: 129364.104 $\pm$ 0.026	χ^2 /NDF: 182978622

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 176.745 $\pm$ 0.043 χ^2 /NDF: 1636417.5/21

Left Out: 196.077 $\pm$ 0.033 χ^2 /NDF: 975710.9/24

Right Out: 175.895 $\pm$ 0.039 χ^2 /NDF: 2448086.6/26

Left In: 196.186 $\pm$ 0.034 χ^2 /NDF: 898058.0/22

Left: 196.130 $\pm$ 0.024 χ^2 /NDF: 1873774.2/47

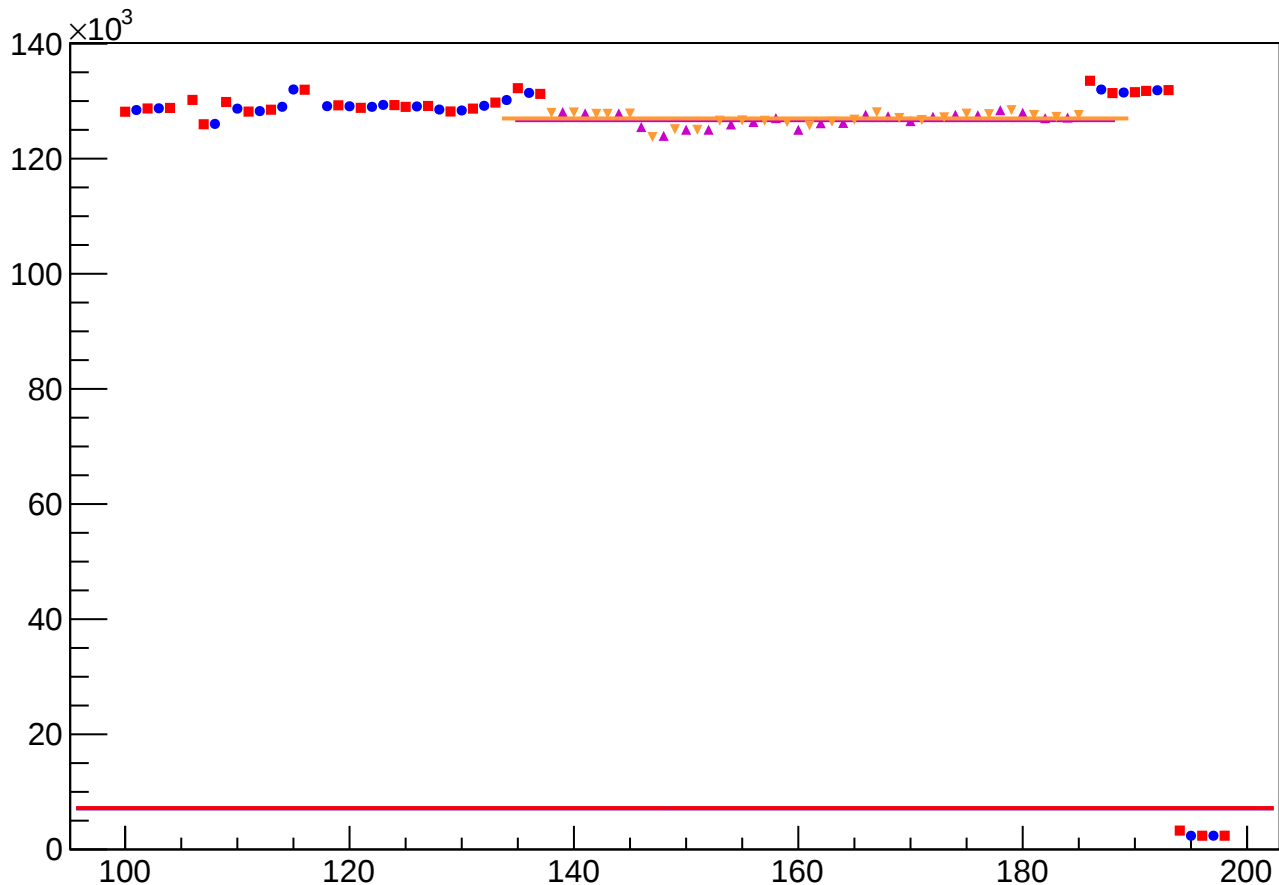
Right: 176.276 $\pm$ 0.029 χ^2 /NDF: 4084722.7/48

In: 188.632 $\pm$ 0.027 χ^2 /NDF: 2661130.8/44

Out: 187.517 $\pm$ 0.025 χ^2 /NDF: 3582043.3/51

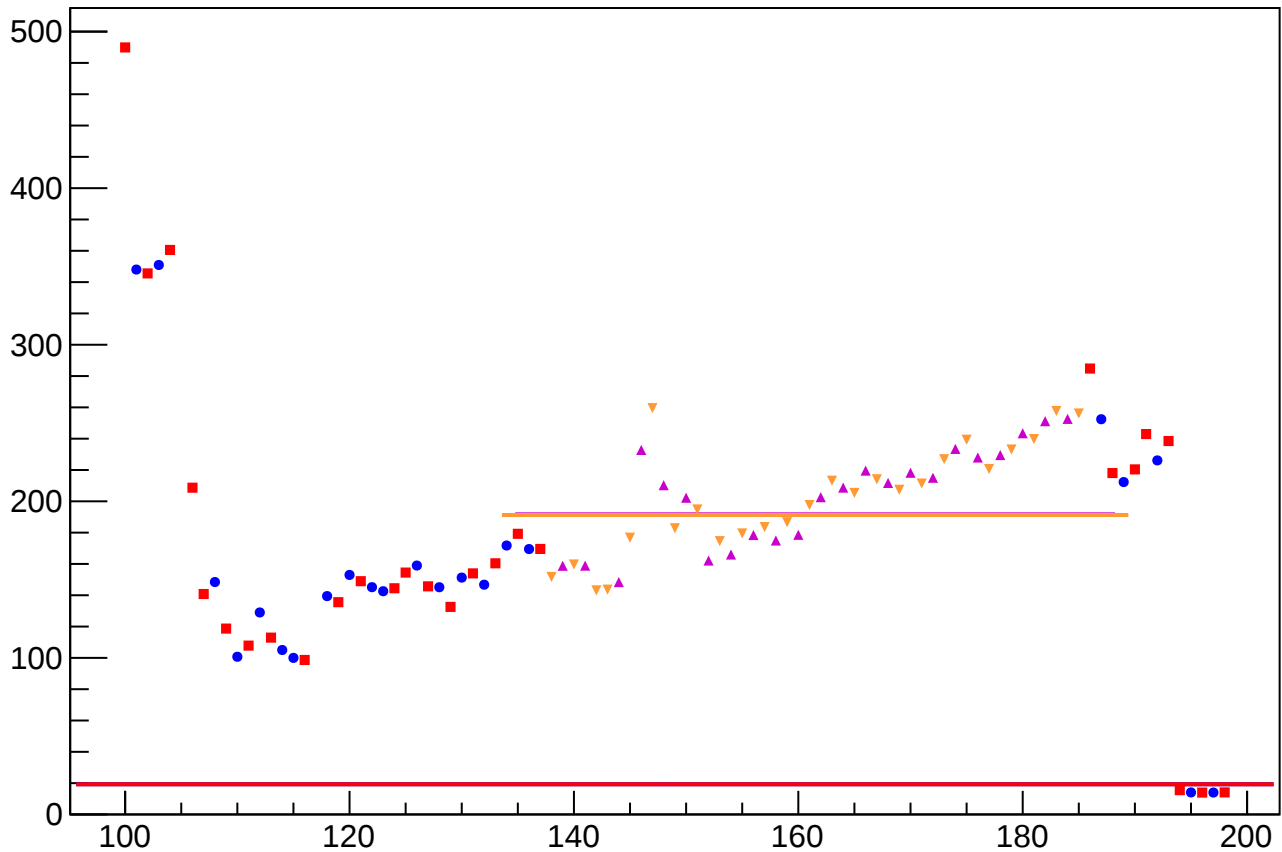
All: 188.041 $\pm$ 0.018 χ^2 /NDF: 6244103.6/96

yield_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: 7140.778 $\pm$ 0.011 χ^2 /NDF: 4747147281849.2/21
 Left Out: 126981.724 $\pm$ 0.046 χ^2 /NDF: 530573115.8/24
 Right Out: 7175.570 $\pm$ 0.010 χ^2 /NDF: 5660965086616.1/26
 Left In: 126682.659 $\pm$ 0.047 χ^2 /NDF: 660415880.0/22
 Left: 126836.943 $\pm$ 0.033 χ^2 /NDF: 1211882944.2/24
 Right: 7159.875 $\pm$ 0.007 χ^2 /NDF: 10408117796779
 In: 13418.549 $\pm$ 0.011 χ^2 /NDF: 10879069766957.1
 Out: 12721.728 $\pm$ 0.010 χ^2 /NDF: 12267195913899
 All: 13037.193 $\pm$ 0.007 χ^2 /NDF: 2314855709

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 19.285+/-0.008 χ^2/NDF : 12957193.2/21

Left Out: 191.263+/-0.032 χ^2/NDF : 992566.2/24

Right Out: 19.292+/-0.007 χ^2/NDF : 15212619.4/26

Left In: 191.683+/-0.033 χ^2/NDF : 864384.9/22

Left: 191.466+/-0.023 χ^2/NDF : 1857033.4/47

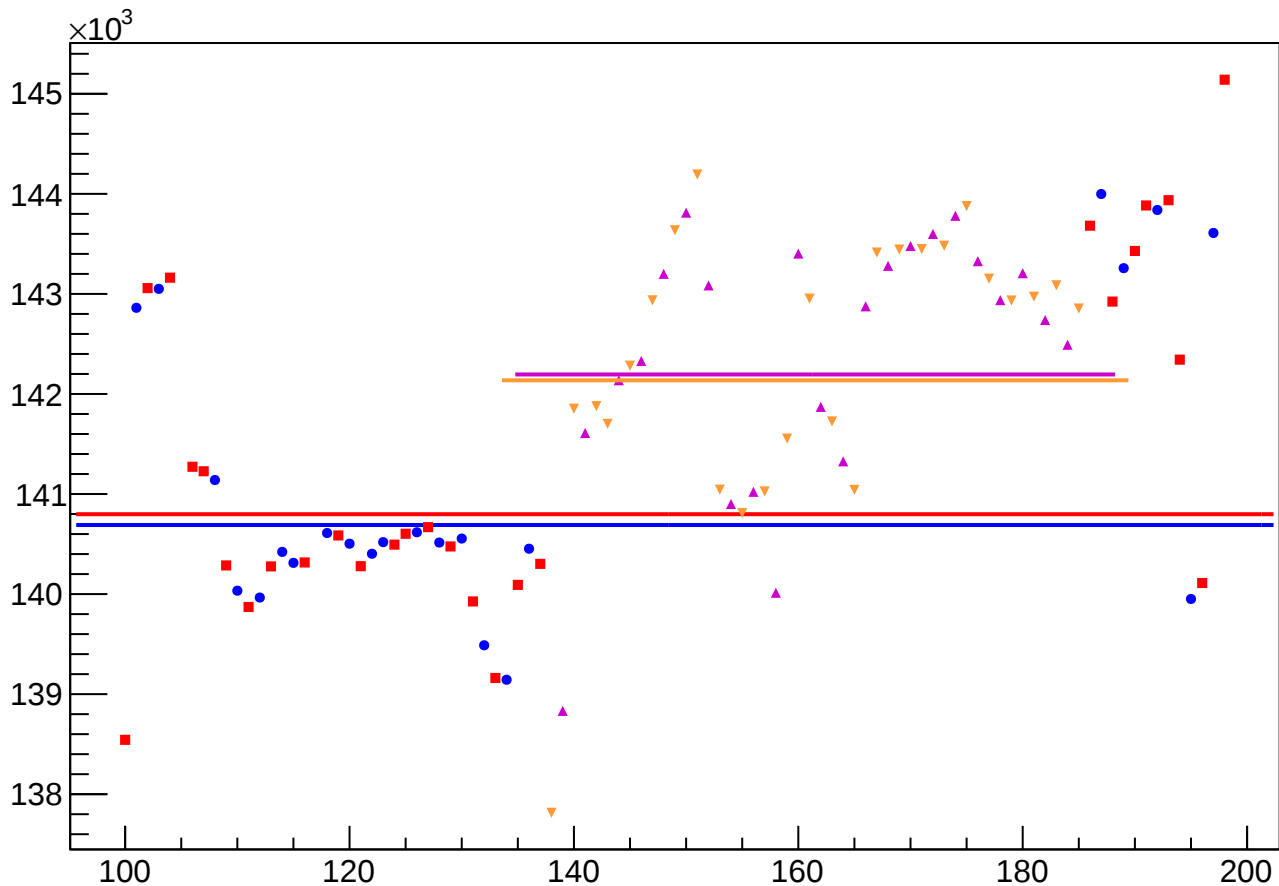
Right: 19.289+/-0.005 χ^2/NDF : 28169813.1/48

In: 28.339+/-0.008 χ^2/NDF : 39325132.0/44

Out: 27.253+/-0.007 χ^2/NDF : 43425942.7/51

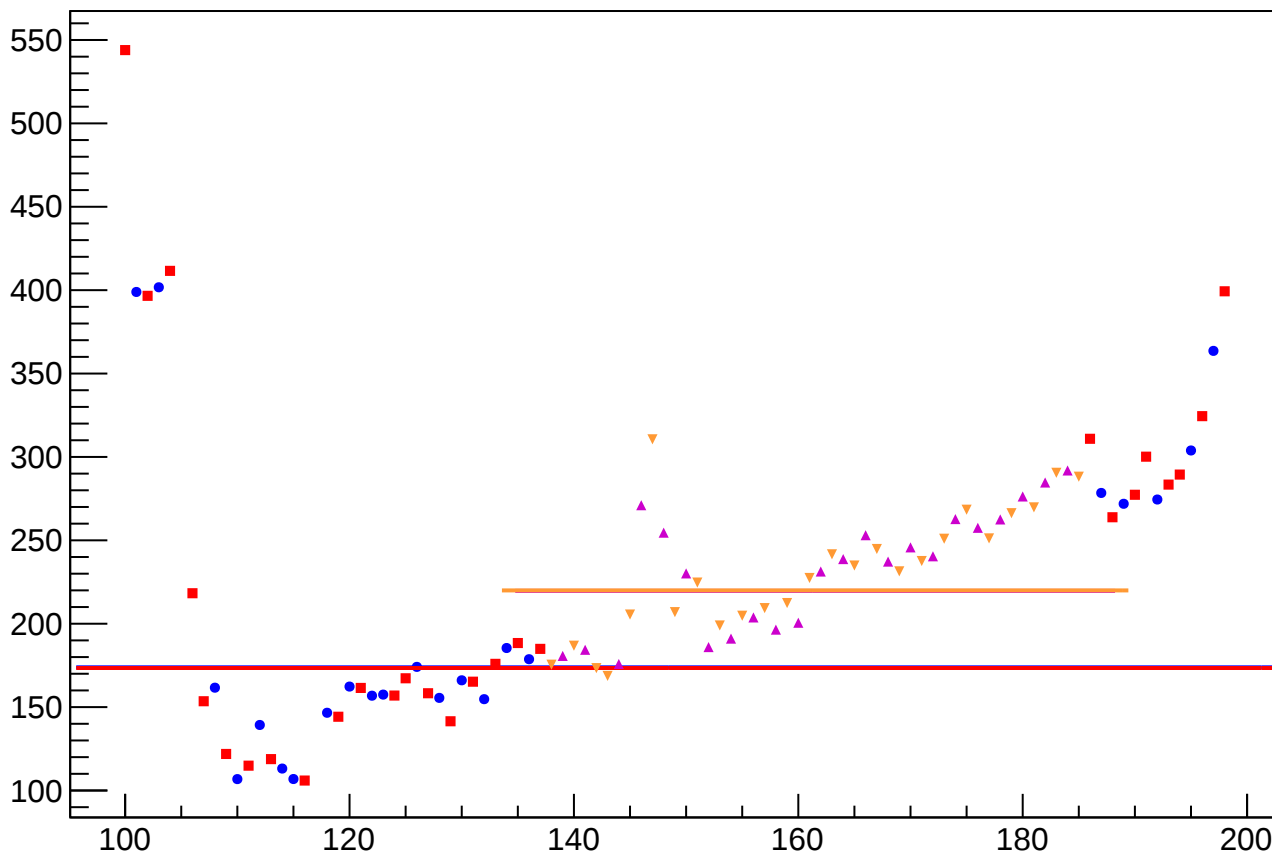
All: 27.745+/-0.005 χ^2/NDF : 82762195.8/96

yield_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: 140690.414+/-0.060	χ^2/NDF : 340420142.0/21	Left: 142164.953+/-0.038	χ^2/NDF : 1460209902.9/4
Left Out: 142136.579+/-0.052	χ^2/NDF : 815573343.0/24	Right: 140749.588+/-0.041	χ^2/NDF : 849403816.6/4
Right Out: 140798.383+/-0.055	χ^2/NDF : 507225218.5/26	In: 141527.003+/-0.040	χ^2/NDF : 1330899254.0/4
Left In: 142195.020+/-0.054	χ^2/NDF : 644030906.9/22	Out: 141497.594+/-0.038	χ^2/NDF : 1635108897.9/5
		All: 141511.417+/-0.028	χ^2/NDF : 296629232

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 173.843+/-0.043 χ^2/NDF : 2391910.8/21

Left Out: 219.969+/-0.037 χ^2/NDF : 866616.3/24

Right Out: 173.451+/-0.039 χ^2/NDF : 3518395.1/26

Left In: 219.685+/-0.038 χ^2/NDF : 812745.1/22

Left: 219.831+/-0.027 χ^2/NDF : 1679390.1/47

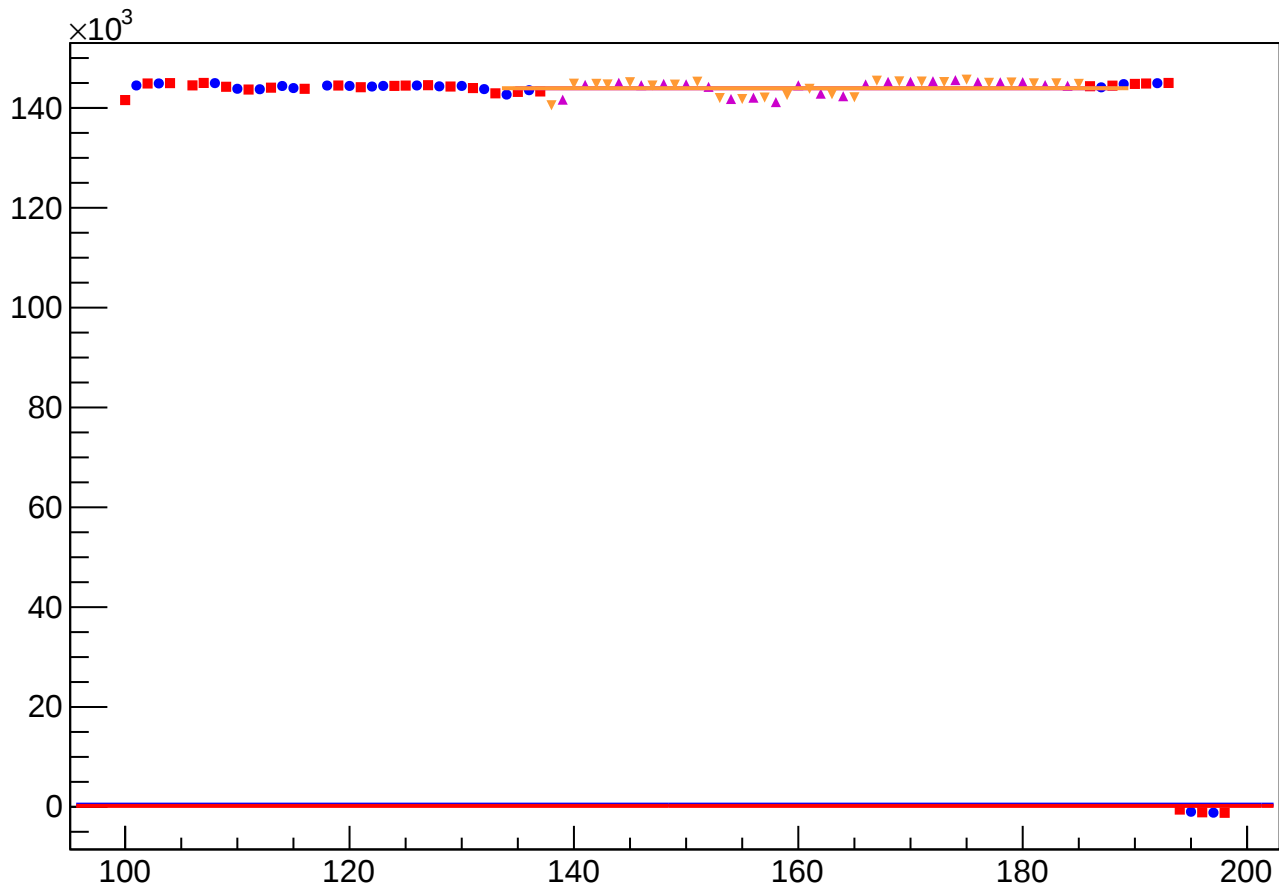
Right: 173.628+/-0.029 χ^2/NDF : 5910352.4/48

In: 199.332+/-0.028 χ^2/NDF : 3847839.0/44

Out: 197.757+/-0.027 χ^2/NDF : 5139792.2/51

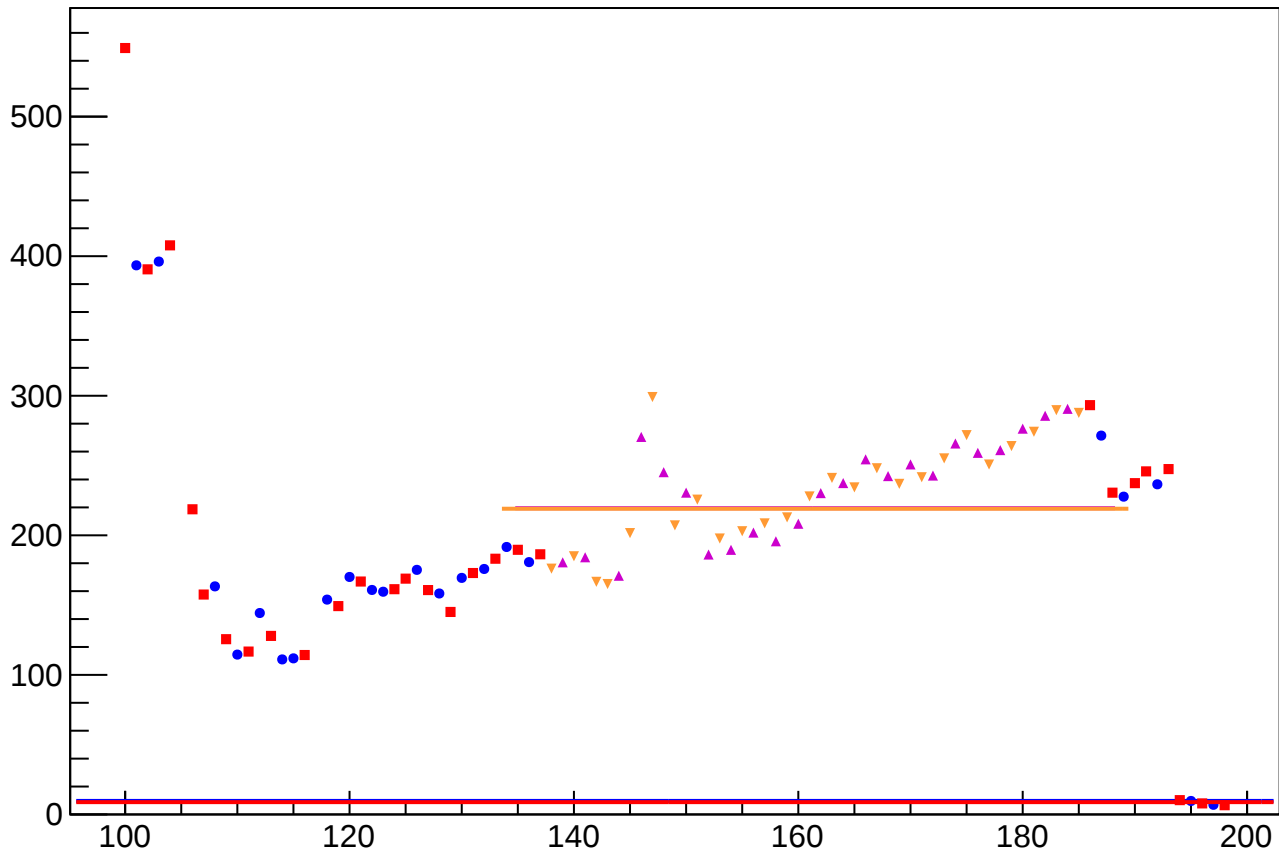
All: 198.497+/-0.019 χ^2/NDF : 8989261.4/96

yield_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: 438.940 $\pm$ 0.006 χ^2 /NDF: 5245040575259.5/21
 Left Out: 143951.284 $\pm$ 0.052 χ^2 /NDF: 864679545.2/24
 Right Out: 189.938 $\pm$ 0.005 χ^2 /NDF: 6353512287847.1/26
 Left In: 143938.288 $\pm$ 0.054 χ^2 /NDF: 719814685.6/22
 Left: 143944.995 $\pm$ 0.037 χ^2 /NDF: 1584524299.4/21
 Right: 291.953 $\pm$ 0.004 χ^2 /NDF: 11599421226774.1/21
 In: 2495.455 $\pm$ 0.006 χ^2 /NDF: 12247427477998.1/21
 Out: 1720.626 $\pm$ 0.005 χ^2 /NDF: 13876931012200.1/21
 All: 2038.768 $\pm$ 0.004 χ^2 /NDF: 26132875994.1/21

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 9.692 $\pm$ 0.005 χ^2 /NDF: 14572626.3/21

Left Out: 219.050 $\pm$ 0.037 χ^2 /NDF:934417.6/24

Right Out: 8.827 $\pm$ 0.004 χ^2 /NDF: 17232625.1/26

Left In: 219.426 $\pm$ 0.038 χ^2 /NDF:850089.5/22

Left: 219.232 $\pm$ 0.026 χ^2 /NDF: 1784557.4/47

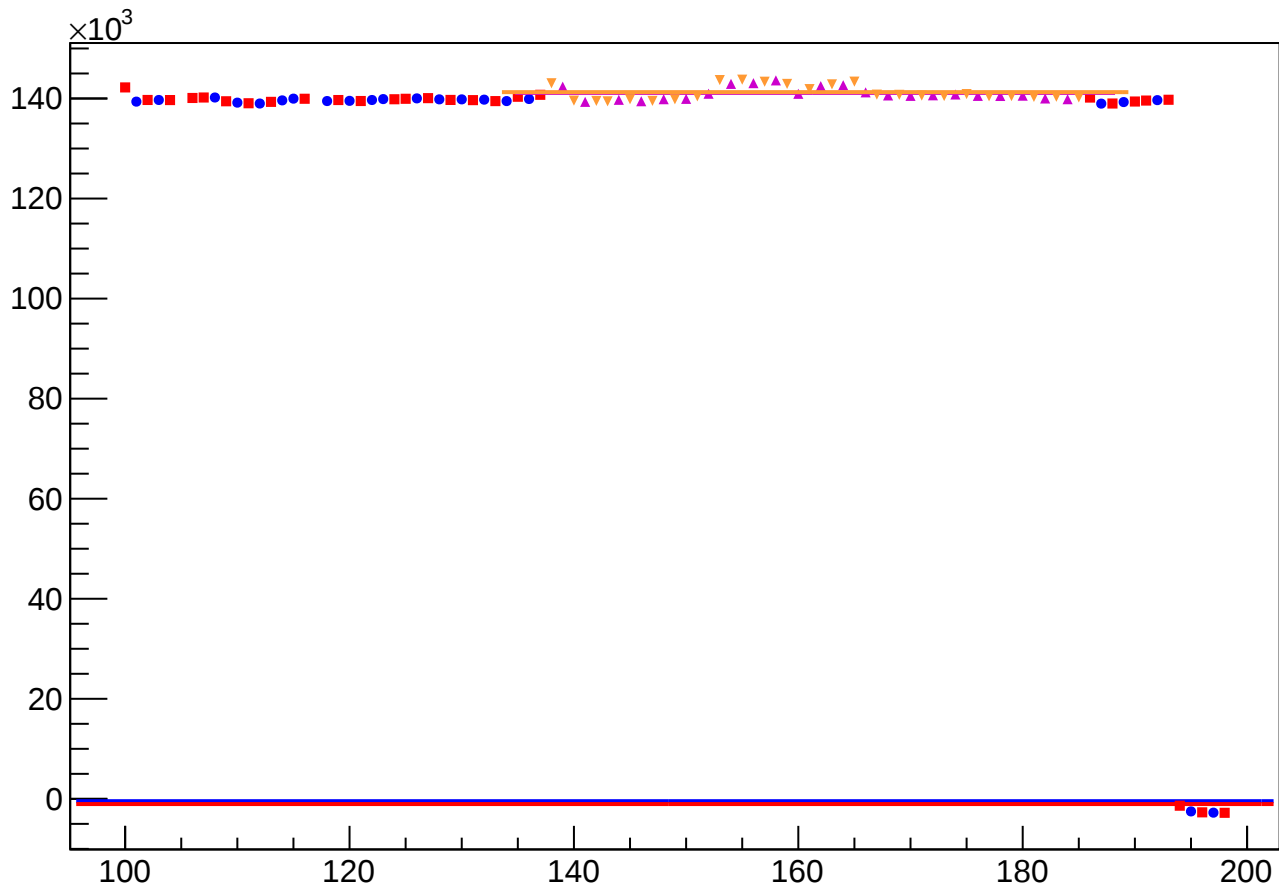
Right: 9.181 $\pm$ 0.003 χ^2 /NDF: 31826242.5/48

In: 12.698 $\pm$ 0.005 χ^2 /NDF:45336170.7/44

Out: 11.065 $\pm$ 0.004 χ^2 /NDF:50338544.0/51

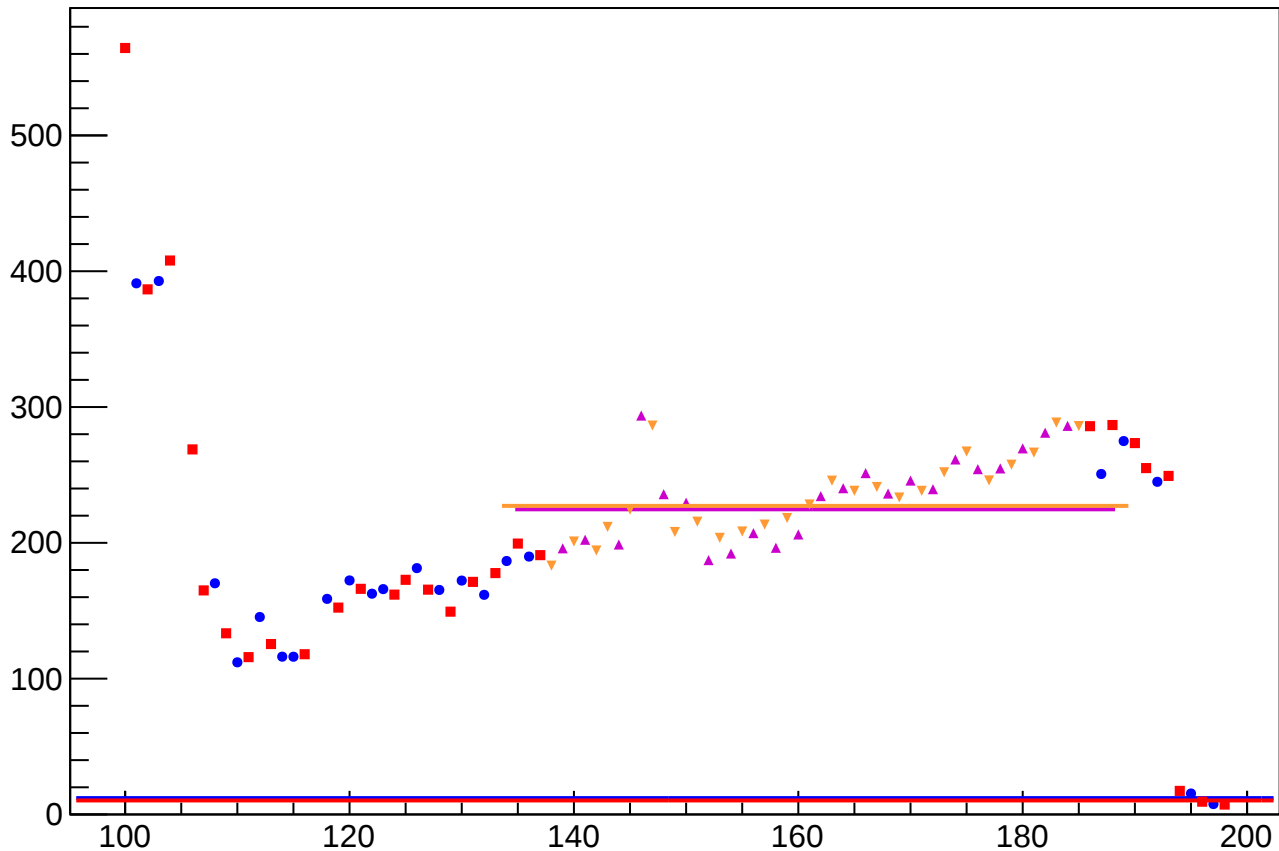
All: 11.736 $\pm$ 0.003 χ^2 /NDF: 95750387.3/96

yield_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -464.937 ± 0.008 $\chi^2/\text{NDF}: 4795616762760.6/21$ Left: 141195.809 ± 0.038 $\chi^2/\text{NDF}: 1365080862.2/24$
 Left Out: 141268.791 ± 0.054 $\chi^2/\text{NDF}: 795989244.2/24$ Right: -821.071 ± 0.005 $\chi^2/\text{NDF}: 10532734731036$
 Right Out: -1041.700 ± 0.006 $\chi^2/\text{NDF}: 5733972477920.4/26$ In: 2535.971 ± 0.008 $\chi^2/\text{NDF}: 11302651694924.9$
 Left In: 141119.484 ± 0.055 $\chi^2/\text{NDF}: 565312728.1/22$ Out: 927.210 ± 0.006 $\chi^2/\text{NDF}: 12660907986469.6$
 All: 1545.458 ± 0.005 $\chi^2/\text{NDF}: 23988490284$

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 12.037 $\pm$ 0.006 χ^2 /NDF: 14507638.5/21

Left Out: 227.224 $\pm$ 0.038 χ^2 /NDF: 484955.3/24

Right Out: 10.317 $\pm$ 0.004 χ^2 /NDF: 17174409.6/26

Left In: 224.686 $\pm$ 0.039 χ^2 /NDF: 578366.0/22

Left: 225.984 $\pm$ 0.027 χ^2 /NDF: 1065504.5/47

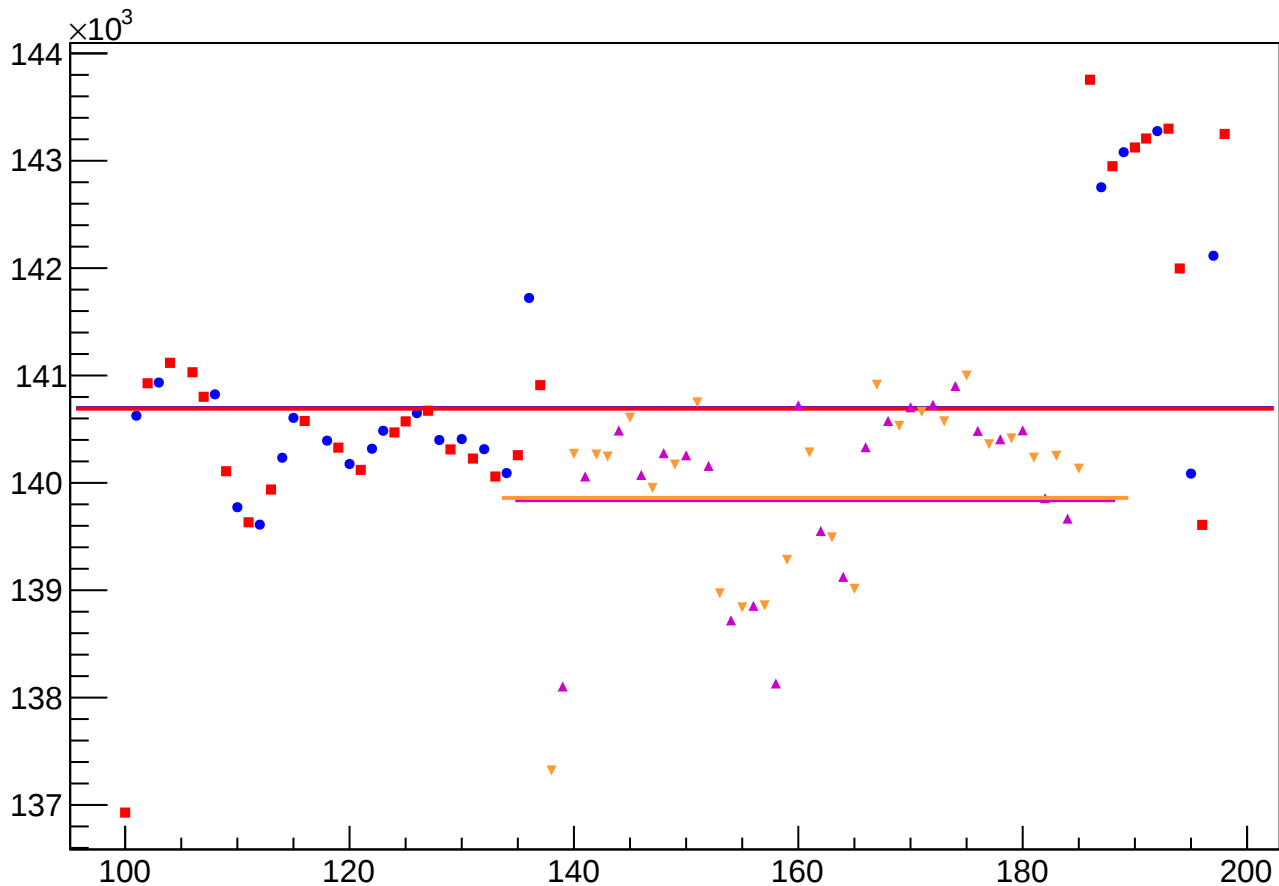
Right: 10.975 $\pm$ 0.004 χ^2 /NDF: 31737977.3/48

In: 16.544 $\pm$ 0.006 χ^2 /NDF: 44440376.1/44

Out: 13.318 $\pm$ 0.004 χ^2 /NDF: 49839927.5/51

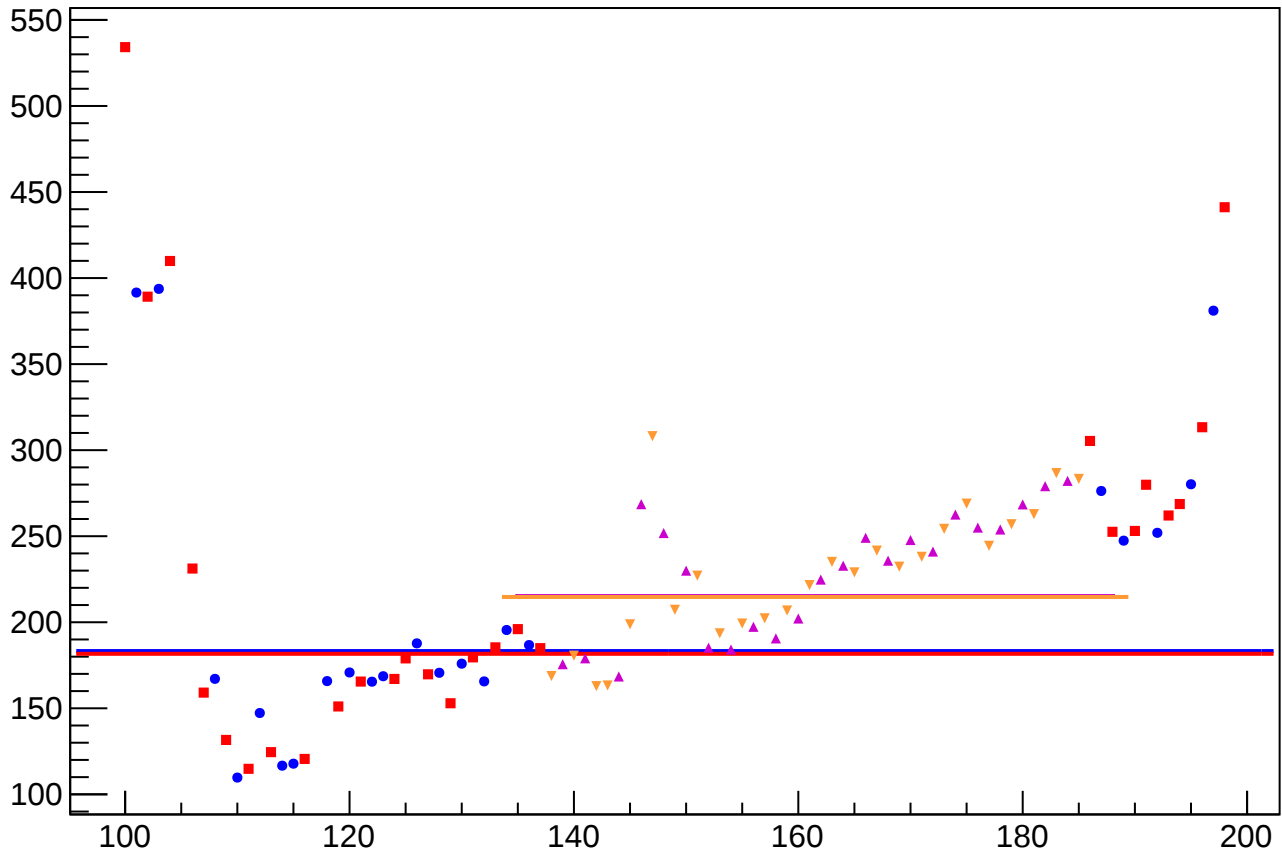
All: 14.558 $\pm$ 0.004 χ^2 /NDF: 94480787.2/96

yield_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 140696.009 $\pm$ 0.063	χ^2/NDF : 247434173.5/21	Left: 139849.553 $\pm$ 0.037	χ^2/NDF : 609773442.9/47
Left Out: 139859.696 $\pm$ 0.051	χ^2/NDF : 330118281.5/24	Right: 140693.551 $\pm$ 0.042	χ^2/NDF : 618507930.1/47
Right Out: 140691.554 $\pm$ 0.057	χ^2/NDF : 371070993.7/26	In: 140192.688 $\pm$ 0.040	χ^2/NDF : 635860455.9/44
Left In: 139838.724 $\pm$ 0.053	χ^2/NDF : 279573689.3/22	Out: 140232.255 $\pm$ 0.038	χ^2/NDF : 819889968.1/51
		All: 140213.725 $\pm$ 0.028	χ^2/NDF : 145625900.0/100

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 183.254+/-0.045 χ^2/NDF : 1999461.6/21

Left Out: 214.693+/-0.036 χ^2/NDF : 981105.5/24

Right Out: 181.664+/-0.040 χ^2/NDF : 3040188.0/26

Left In: 215.222+/-0.037 χ^2/NDF : 881945.0/22

Left: 214.949+/-0.026 χ^2/NDF : 1863154.2/47

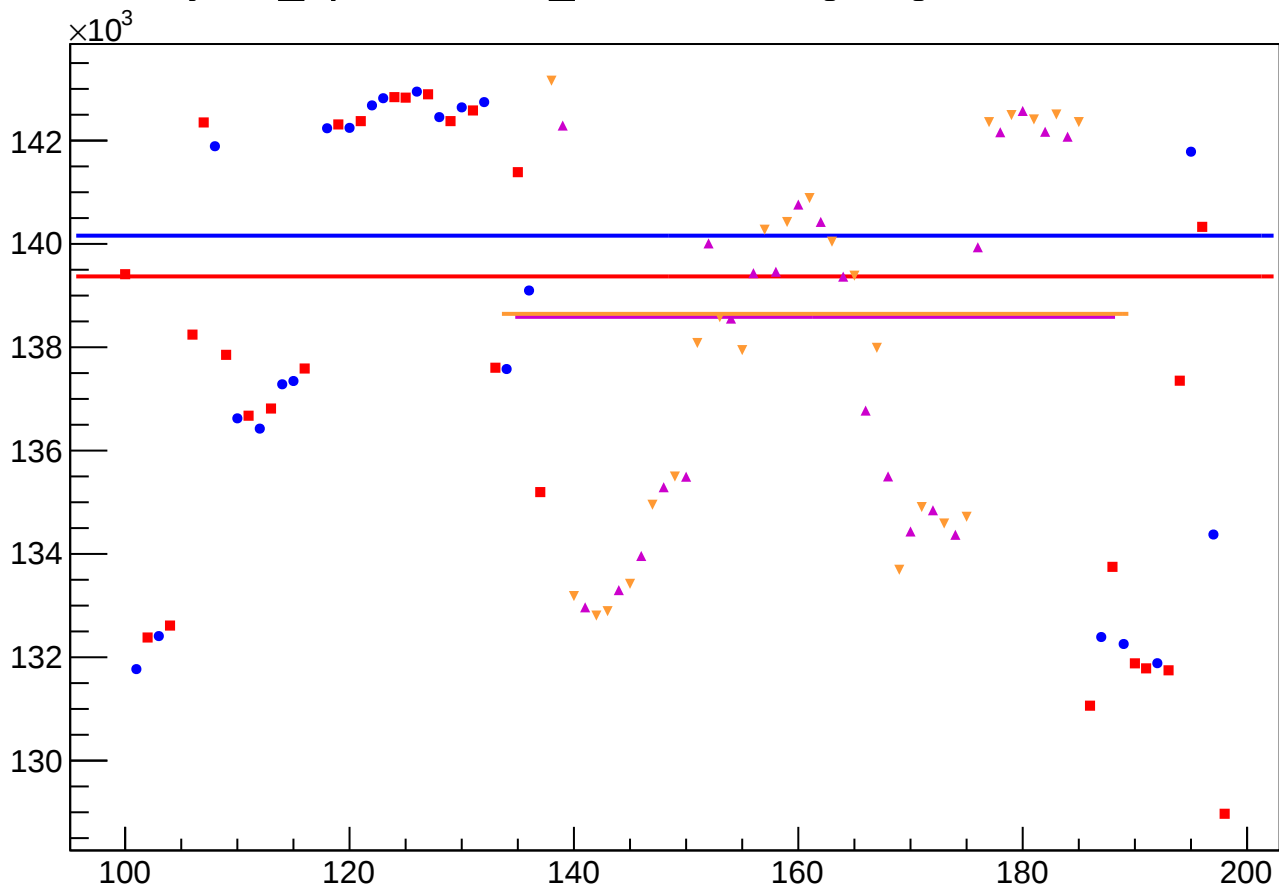
Right: 182.377+/-0.030 χ^2/NDF : 5040353.7/48

In: 202.023+/-0.029 χ^2/NDF : 3184124.1/44

Out: 199.900+/-0.027 χ^2/NDF : 4395548.7/51

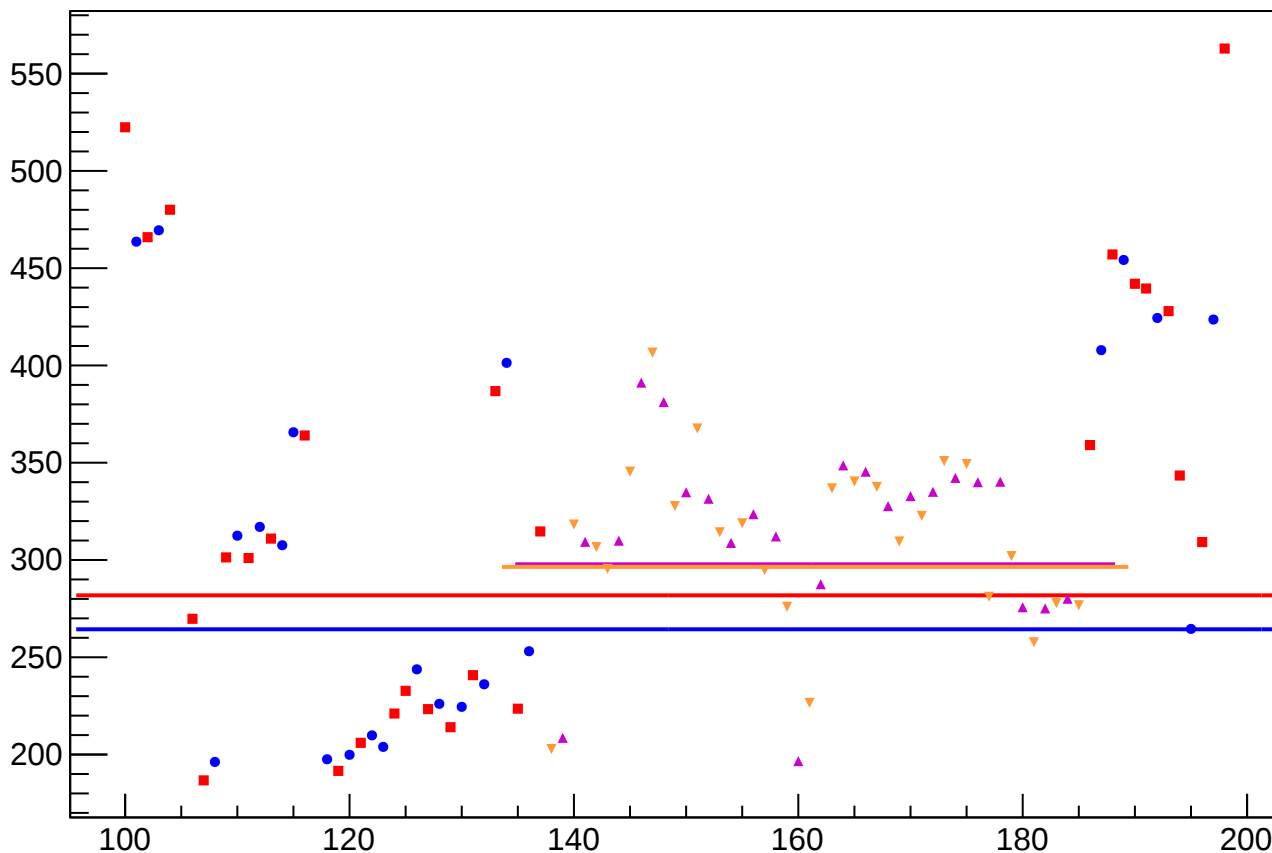
All: 200.894+/-0.020 χ^2/NDF : 7582599.3/96

yield_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: 140159.701 $\pm$ 0.090	χ^2 /NDF: 1552984148.8/21	Left: 138618.660 $\pm$ 0.051	χ^2 /NDF: 4497021019.3/4
Left Out: 138646.366 $\pm$ 0.071	χ^2 /NDF: 2548637600.4/24	Right: 139750.660 $\pm$ 0.063	χ^2 /NDF: 3646181622.4/
Right Out: 139370.813 $\pm$ 0.087	χ^2 /NDF: 2053498886.5/26	In: 139217.607 $\pm$ 0.057	χ^2 /NDF: 3683128530.7/4
Left In: 138588.711 $\pm$ 0.074	χ^2 /NDF: 1948065195.1/22	Out: 138935.715 $\pm$ 0.055	χ^2 /NDF: 4643894994.0/5
		All: 139071.284 $\pm$ 0.040	χ^2 /NDF: 83396995

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 264.380 $\pm$ 0.064 χ^2 /NDF: 1576648.4/21

Left Out: 296.464 $\pm$ 0.050 χ^2 /NDF:893579.7/24

Right Out: 281.834 $\pm$ 0.061 χ^2 /NDF: 2308617.1/26

Left In: 297.774 $\pm$ 0.052 χ^2 /NDF:1061489.5/22

Left: 297.094 $\pm$ 0.036 χ^2 /NDF: 1955397.8/47

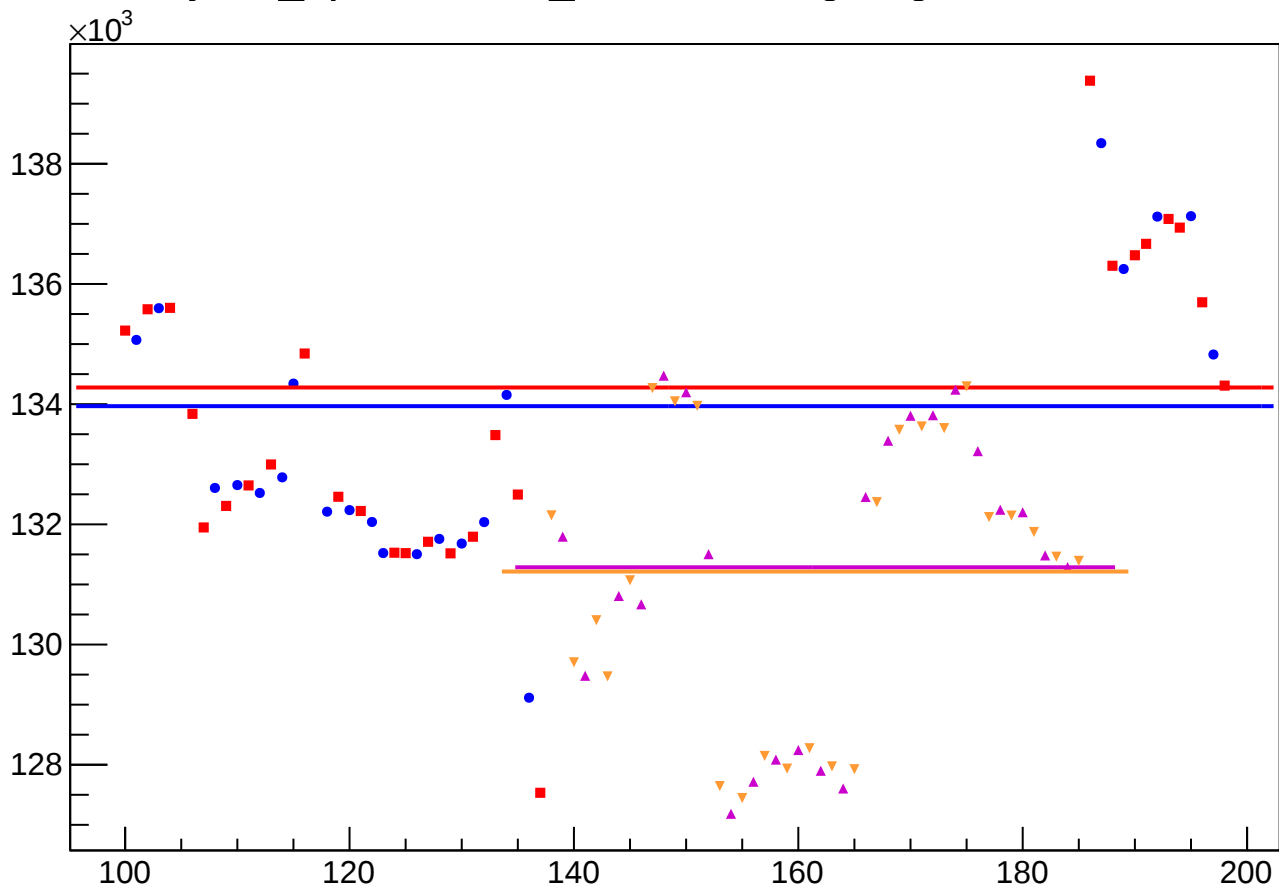
Right: 273.430 $\pm$ 0.044 χ^2 /NDF: 3924127.4/48

In: 284.406 $\pm$ 0.040 χ^2 /NDF:2802681.0/44

Out: 290.621 $\pm$ 0.039 χ^2 /NDF:3236261.4/51

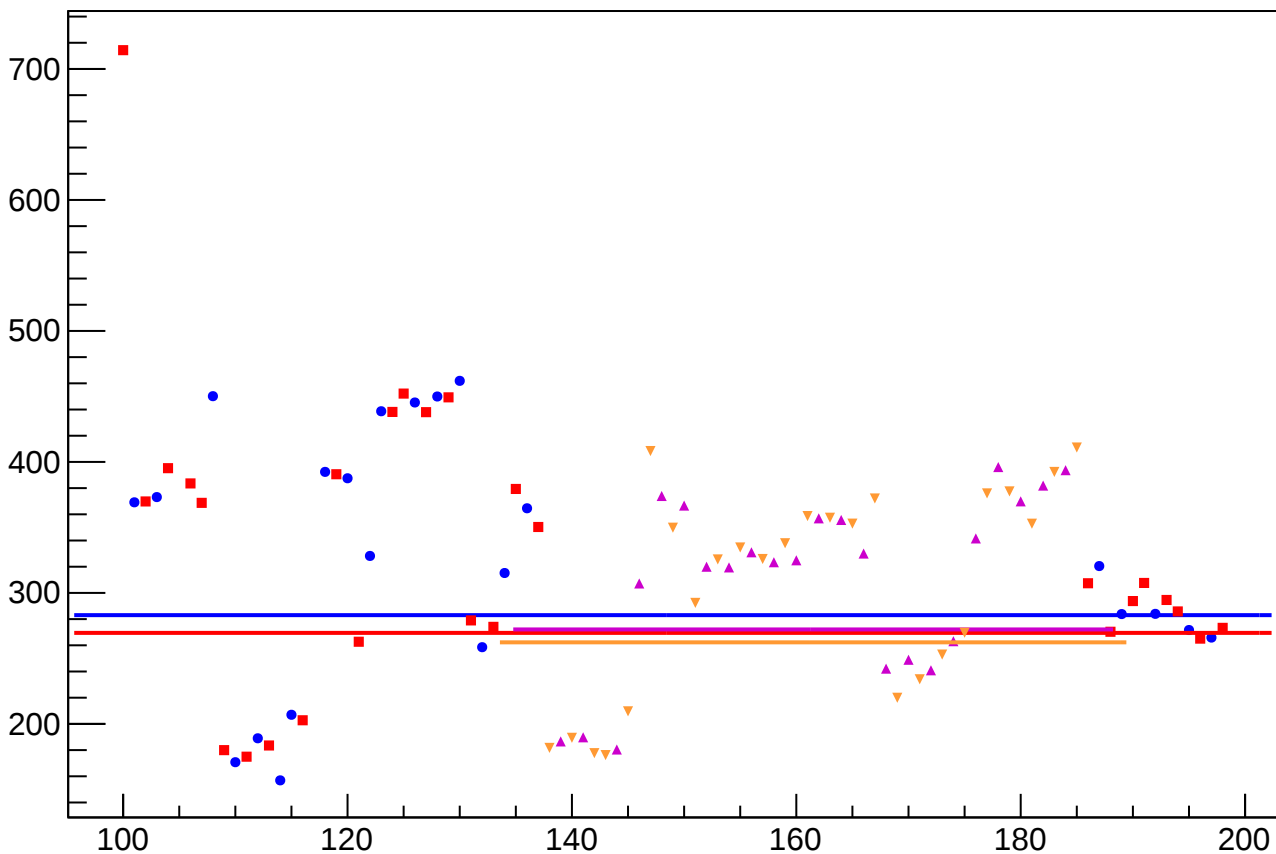
All: 287.632 $\pm$ 0.028 χ^2 /NDF: 6051264.5/96

yield_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: 133966.945 $\pm$ 0.095	χ^2 /NDF: 589836569.8/21	Left: 131248.166 $\pm$ 0.047	χ^2 /NDF: 2230223308.9/4
Left Out: 131214.985 $\pm$ 0.064	χ^2 /NDF: 1173424494.6/24	Right: 134146.428 $\pm$ 0.062	χ^2 /NDF: 1272450371.3/4
Right Out: 134277.653 $\pm$ 0.082	χ^2 /NDF: 676498267.3/26	In: 132193.690 $\pm$ 0.056	χ^2 /NDF: 2167476878.3/4
Left In: 131285.623 $\pm$ 0.068	χ^2 /NDF: 1056232192.1/22	Out: 132387.632 $\pm$ 0.051	χ^2 /NDF: 2718143679.5/5
		All: 132299.867 $\pm$ 0.037	χ^2 /NDF: 489228849.1/1

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 283.027+/-0.068 χ^2/NDF : 1528327.2/21

Left Out: 262.260+/-0.045 χ^2/NDF :2818169.1/24

Right Out: 269.483+/-0.058 χ^2/NDF : 1666909.9/26

Left In: 272.115+/-0.048 χ^2/NDF :2221925.0/22

Left: 266.889+/-0.033 χ^2/NDF : 5062151.8/47

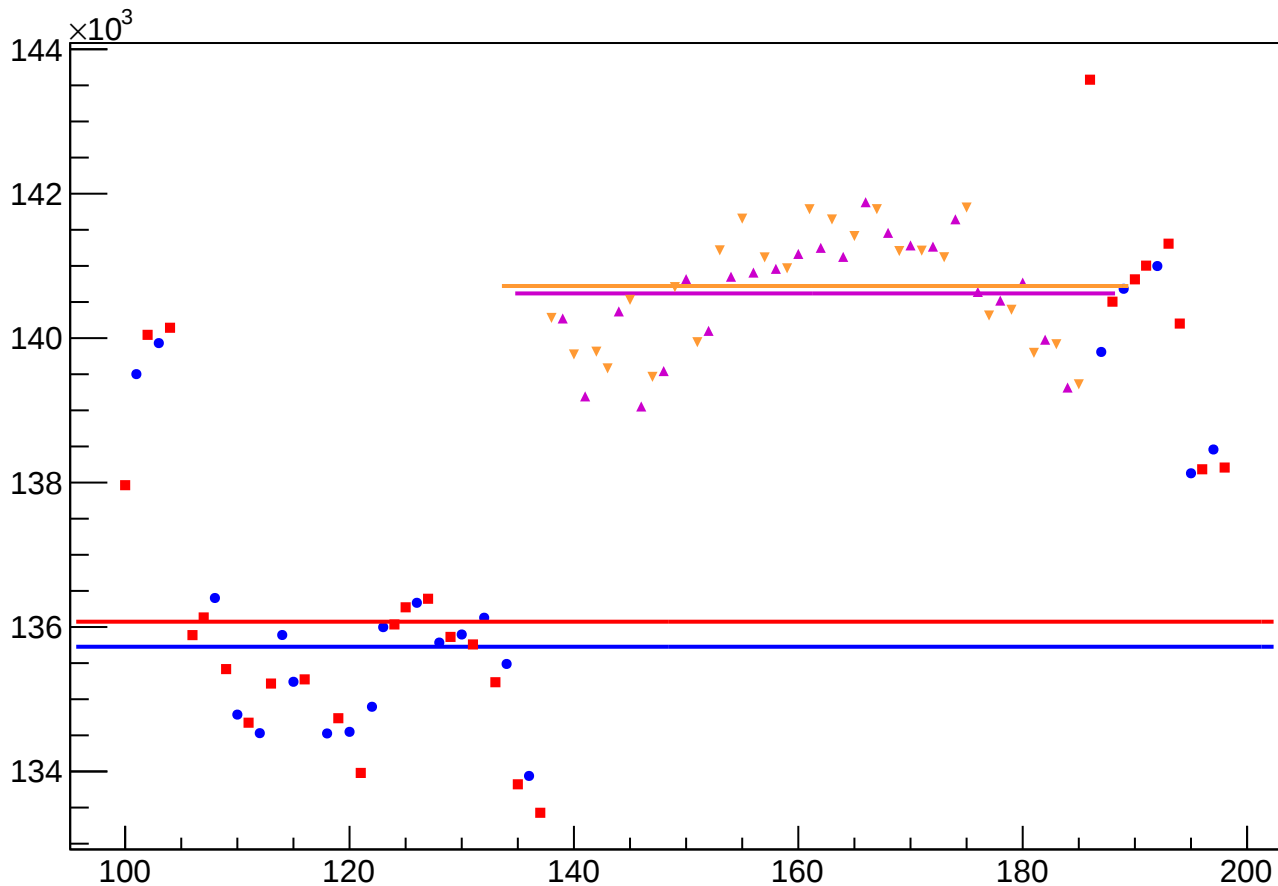
Right: 275.203+/-0.044 χ^2/NDF : 3218476.3/48

In: 275.810+/-0.039 χ^2/NDF :3767523.1/44

Out: 265.025+/-0.036 χ^2/NDF :4494738.5/51

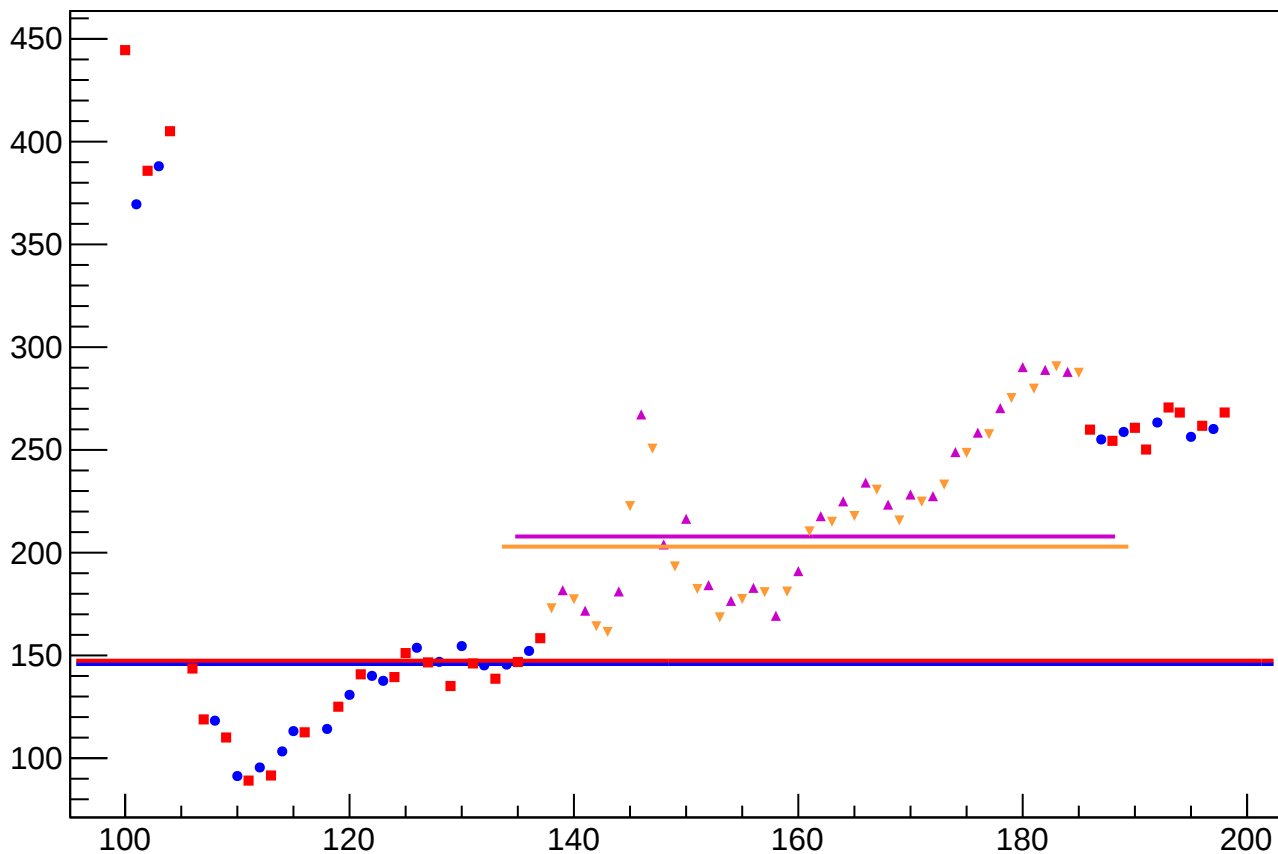
All: 269.906+/-0.026 χ^2/NDF : 8303499.9/96

yield_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 135726.872 $\pm$ 0.051 χ^2 /NDF: 1186514974.2/21
 Left Out: 140721.823 $\pm$ 0.048 χ^2 /NDF: 247257762.8/24
 Right Out: 136073.630 $\pm$ 0.047 χ^2 /NDF: 1948661081.1/26
 Left In: 140619.038 $\pm$ 0.051 χ^2 /NDF: 200370178.0/22
 Left: 140673.196 $\pm$ 0.035 χ^2 /NDF: 449761004.9/47
 Right: 135915.032 $\pm$ 0.035 χ^2 /NDF: 3160169757.2/47
 In: 138173.315 $\pm$ 0.036 χ^2 /NDF: 5971614650.6/44
 Out: 138324.656 $\pm$ 0.034 χ^2 /NDF: 6951177748.9/50
 All: 138254.267 $\pm$ 0.025 χ^2 /NDF: 129321800.0/100

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 145.826 $\pm$ 0.036 χ^2 /NDF: 2710917.6/21

Left Out: 202.934 $\pm$ 0.034 χ^2 /NDF:1052283.6/24

Right Out: 147.431 $\pm$ 0.033 χ^2 /NDF: 3729963.8/26

Left In: 207.872 $\pm$ 0.036 χ^2 /NDF:949200.3/22

Left: 205.270 $\pm$ 0.025 χ^2 /NDF: 2011329.4/47

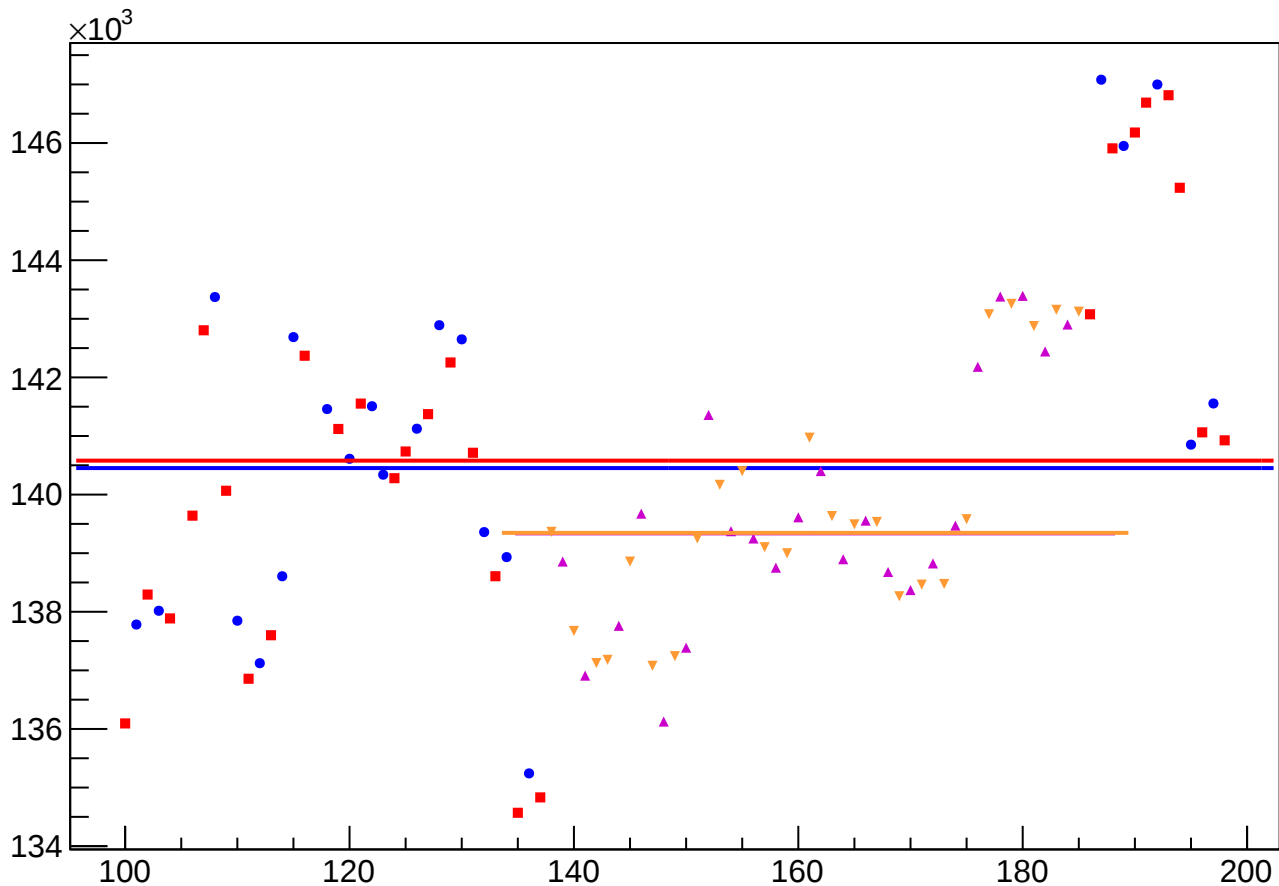
Right: 146.697 $\pm$ 0.024 χ^2 /NDF: 6441953.0/48

In: 176.853 $\pm$ 0.026 χ^2 /NDF:5135054.3/44

Out: 174.310 $\pm$ 0.024 χ^2 /NDF:6138273.9/51

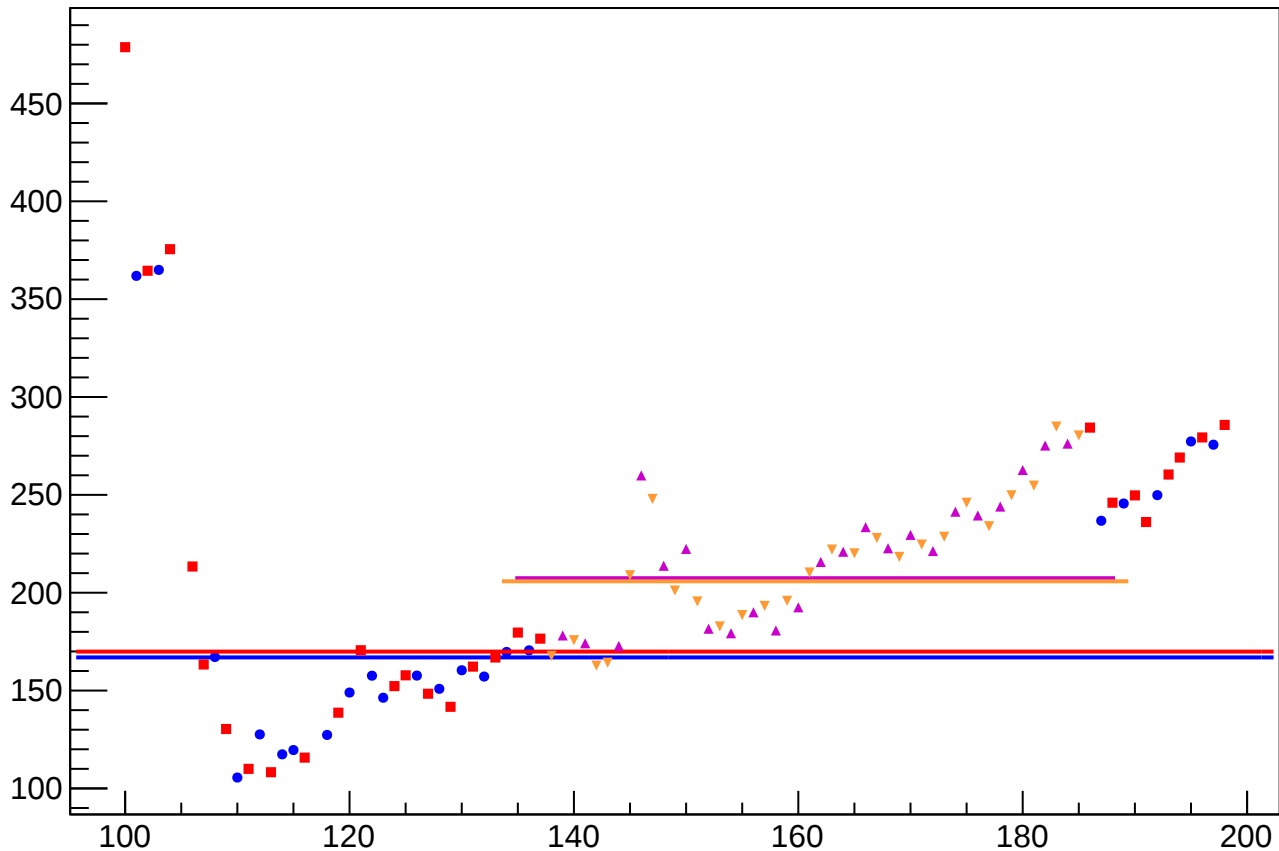
All: 175.493 $\pm$ 0.017 χ^2 /NDF: 11278630.3/96

yield_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 140452.390 $\pm$ 0.057	χ^2 /NDF: 2767206293.0/21	Left: 139342.403 $\pm$ 0.035	χ^2 /NDF: 2564192227.9/4
Left Out: 139346.604 $\pm$ 0.049	χ^2 /NDF: 1271172976.7/24	Right: 140521.037 $\pm$ 0.039	χ^2 /NDF: 5980898350.5/
Right Out: 140579.517 $\pm$ 0.053	χ^2 /NDF: 3211032799.6/26	In: 139828.910 $\pm$ 0.038	χ^2 /NDF: 4271953522.8/4
Left In: 139337.874 $\pm$ 0.051	χ^2 /NDF: 1293003954.9/22	Out: 139915.809 $\pm$ 0.036	χ^2 /NDF: 4774908902.9/5
		All: 139874.824 $\pm$ 0.026	χ^2 /NDF: 904962192

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 166.945 $\pm$ 0.041 χ^2 /NDF: 1989707.0/21

Left Out: 205.833 $\pm$ 0.035 χ^2 /NDF: 738666.4/24

Right Out: 169.907 $\pm$ 0.037 χ^2 /NDF: 2815287.0/26

Left In: 207.416 $\pm$ 0.036 χ^2 /NDF: 701955.3/22

Left: 206.595 $\pm$ 0.025 χ^2 /NDF: 1441628.2/47

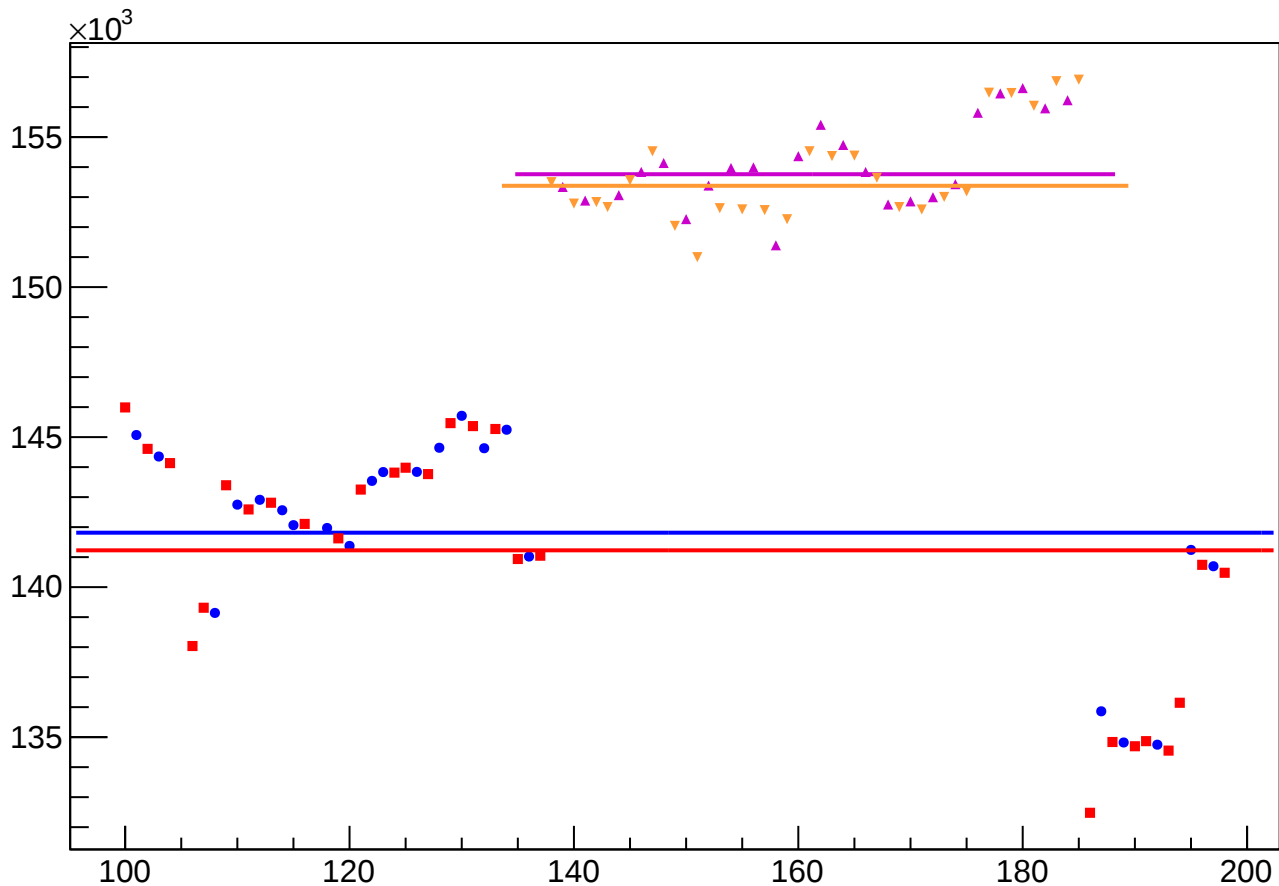
Right: 168.545 $\pm$ 0.027 χ^2 /NDF: 4807880.5/48

In: 189.585 $\pm$ 0.027 χ^2 /NDF: 3250070.4/44

Out: 189.247 $\pm$ 0.025 χ^2 /NDF: 4051010.2/51

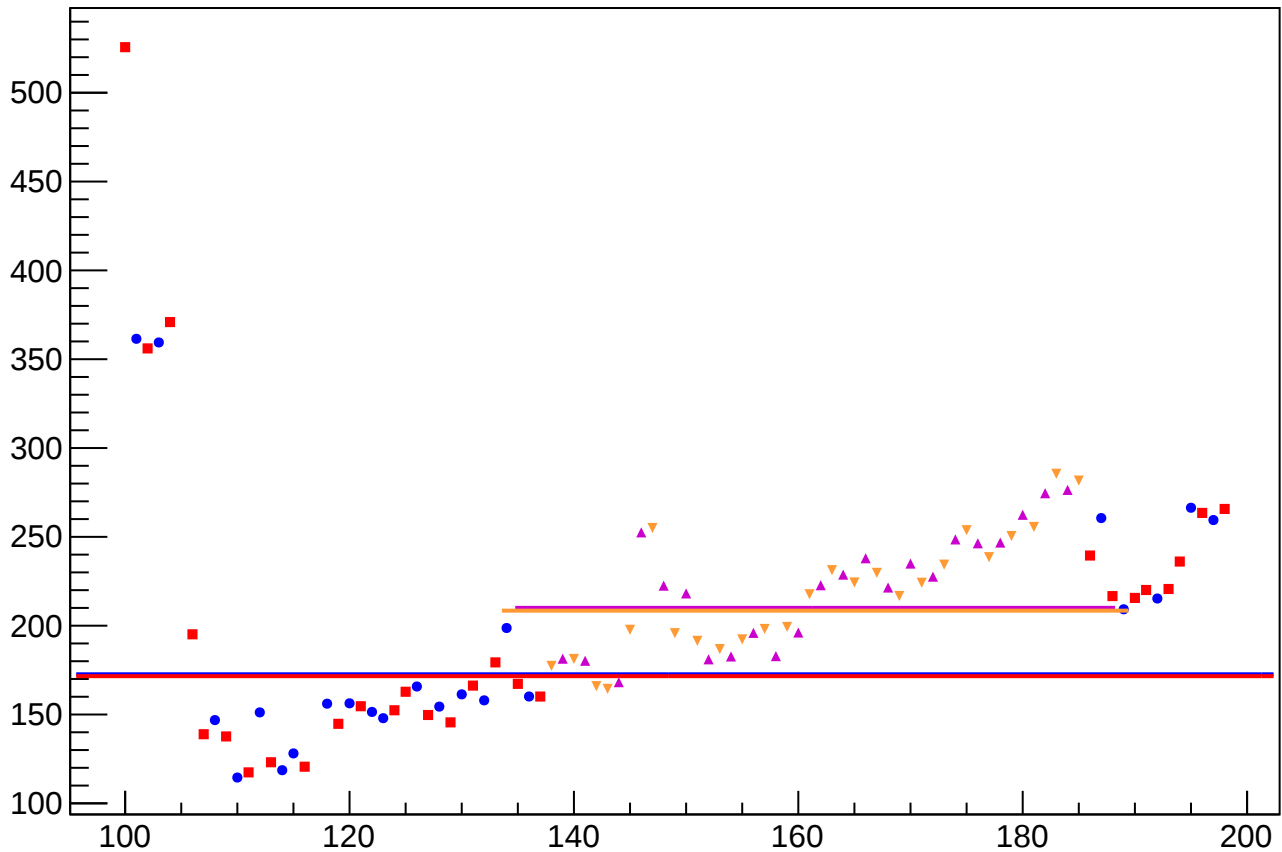
All: 189.406 $\pm$ 0.018 χ^2 /NDF: 7301164.5/96

yield_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 141814.484 $\pm$ 0.058	χ^2 /NDF: 2593841629.1/21	Left: 153562.262 $\pm$ 0.036	χ^2 /NDF: 1468093411.3/4
Left Out: 153376.698 $\pm$ 0.050	χ^2 /NDF: 803848095.1/24	Right: 141488.893 $\pm$ 0.039	χ^2 /NDF: 7047113617.7
Right Out: 141226.584 $\pm$ 0.052	χ^2 /NDF: 4397171073.3/26	In: 148542.979 $\pm$ 0.039	χ^2 /NDF: 26790540420.8/4
Left In: 153762.419 $\pm$ 0.051	χ^2 /NDF: 635075685.0/22	Out: 147646.136 $\pm$ 0.036	χ^2 /NDF: 33576253087.6
		All: 148063.336 $\pm$ 0.026	χ^2 /NDF: 606553947

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 172.635 $\pm$ 0.041 χ^2 /NDF: 1479982.2/21

Left Out: 208.466 $\pm$ 0.035 χ^2 /NDF: 720894.7/24

Right Out: 171.584 $\pm$ 0.037 χ^2 /NDF: 2007292.7/26

Left In: 210.038 $\pm$ 0.036 χ^2 /NDF: 702369.5/22

Left: 209.222 $\pm$ 0.025 χ^2 /NDF: 1424233.1/47

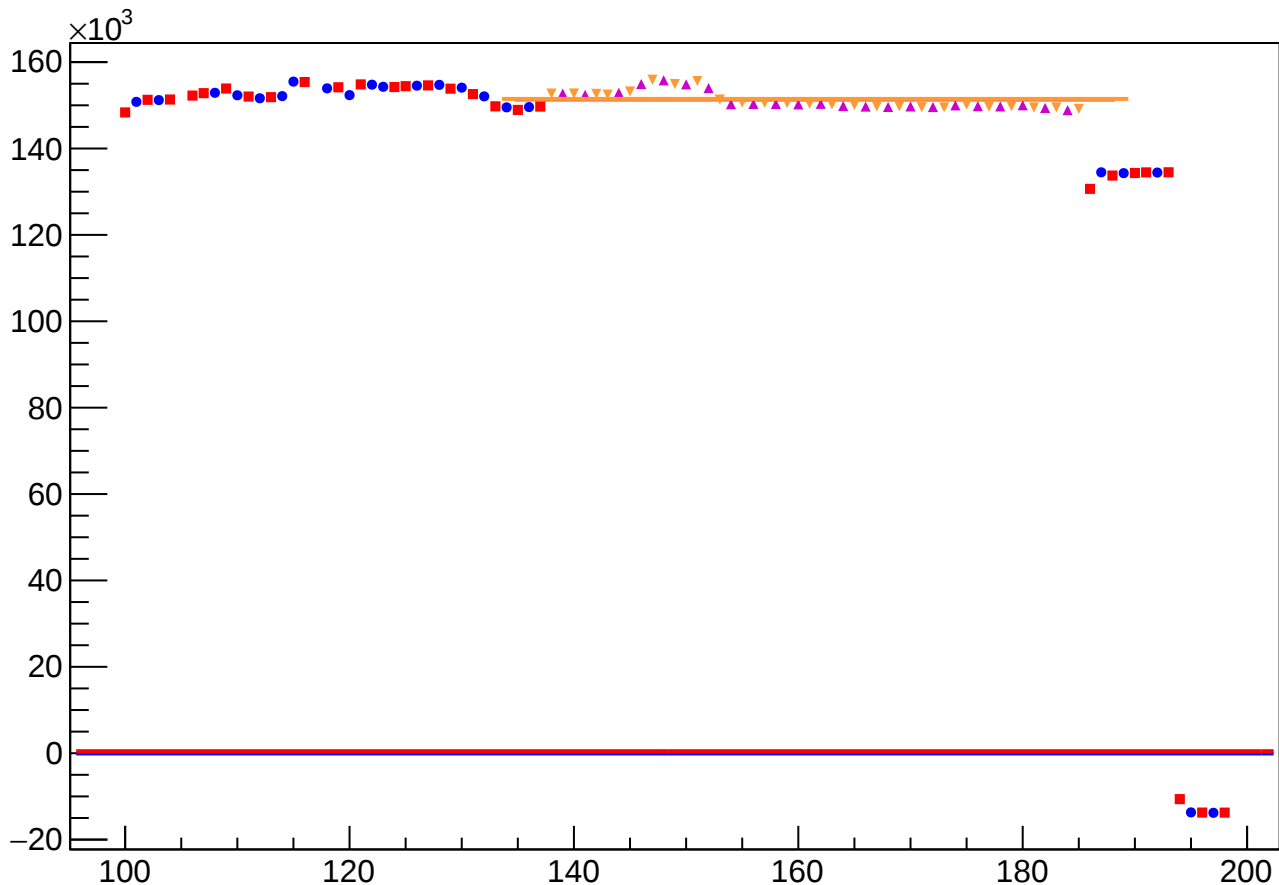
Right: 172.053 $\pm$ 0.028 χ^2 /NDF: 3487633.4/48

In: 193.698 $\pm$ 0.027 χ^2 /NDF: 2644158.9/44

Out: 191.071 $\pm$ 0.025 χ^2 /NDF: 3251111.8/51

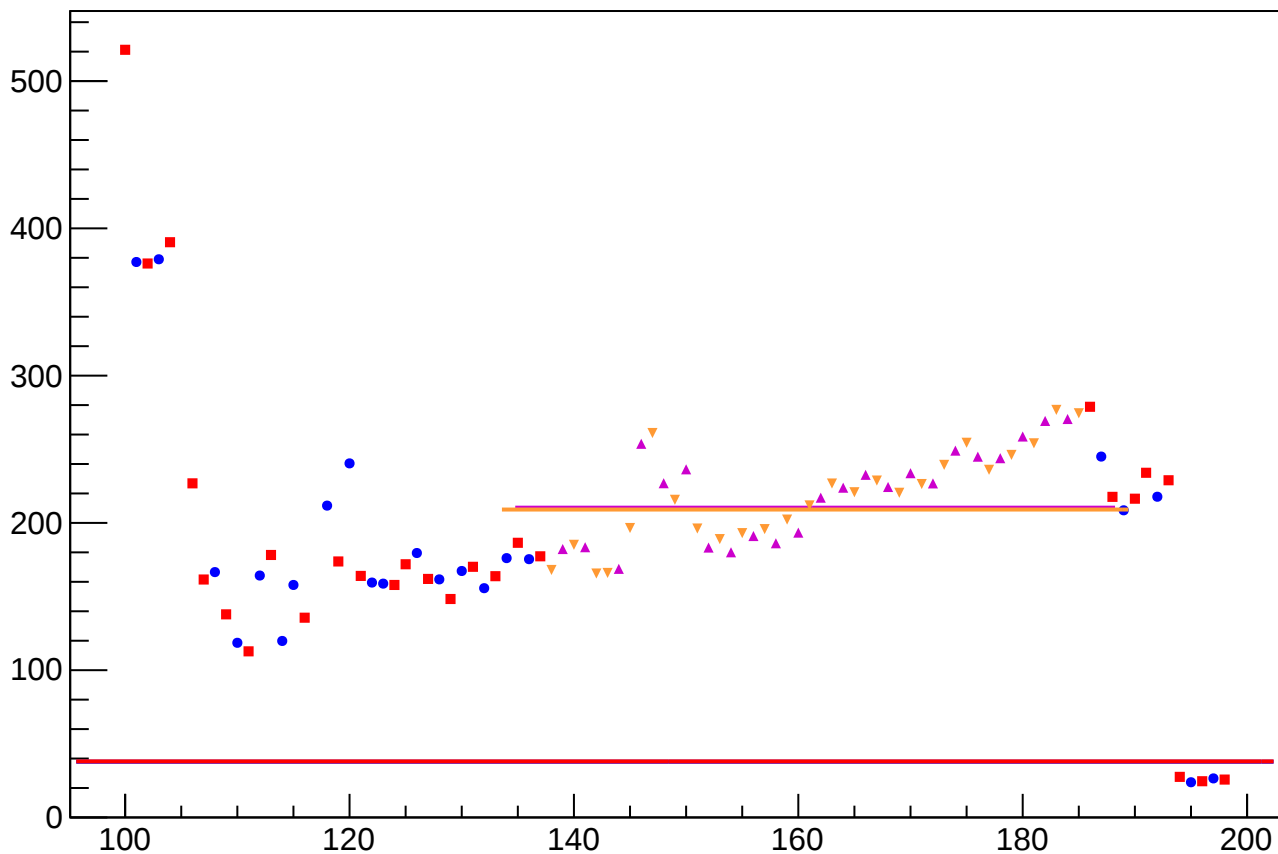
All: 192.293 $\pm$ 0.019 χ^2 /NDF: 5900226.1/96

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -58.063 ± 0.019 $\chi^2/\text{NDF}: 5510254475404.6/21$
 Left Out: 151483.385 ± 0.050 $\chi^2/\text{NDF}: 1481910066.9/24$
 Right Out: 472.483 ± 0.017 $\chi^2/\text{NDF}: 6726889354911.2/26$
 Left In: 151363.165 ± 0.051 $\chi^2/\text{NDF}: 1421662089.0/22$
 Left: 151425.512 ± 0.036 $\chi^2/\text{NDF}: 2906409079.9/21$
 Right: 234.291 ± 0.013 $\chi^2/\text{NDF}: 12237559631140.4/24$
 In: 18675.956 ± 0.018 $\chi^2/\text{NDF}: 13116197895736.4/26$
 Out: 17123.156 ± 0.016 $\chi^2/\text{NDF}: 15001600926815.4/26$
 All: 17826.157 ± 0.012 $\chi^2/\text{NDF}: 2812183568.4/26$

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 37.849+/-0.014 χ^2/NDF : 10828263.1/21

Left Out: 209.076+/-0.035 χ^2/NDF : 708260.3/24

Right Out: 38.077+/-0.012 χ^2/NDF : 12645750.6/26

Left In: 210.345+/-0.036 χ^2/NDF : 677747.7/22

Left: 209.687+/-0.025 χ^2/NDF : 1386640.1/47

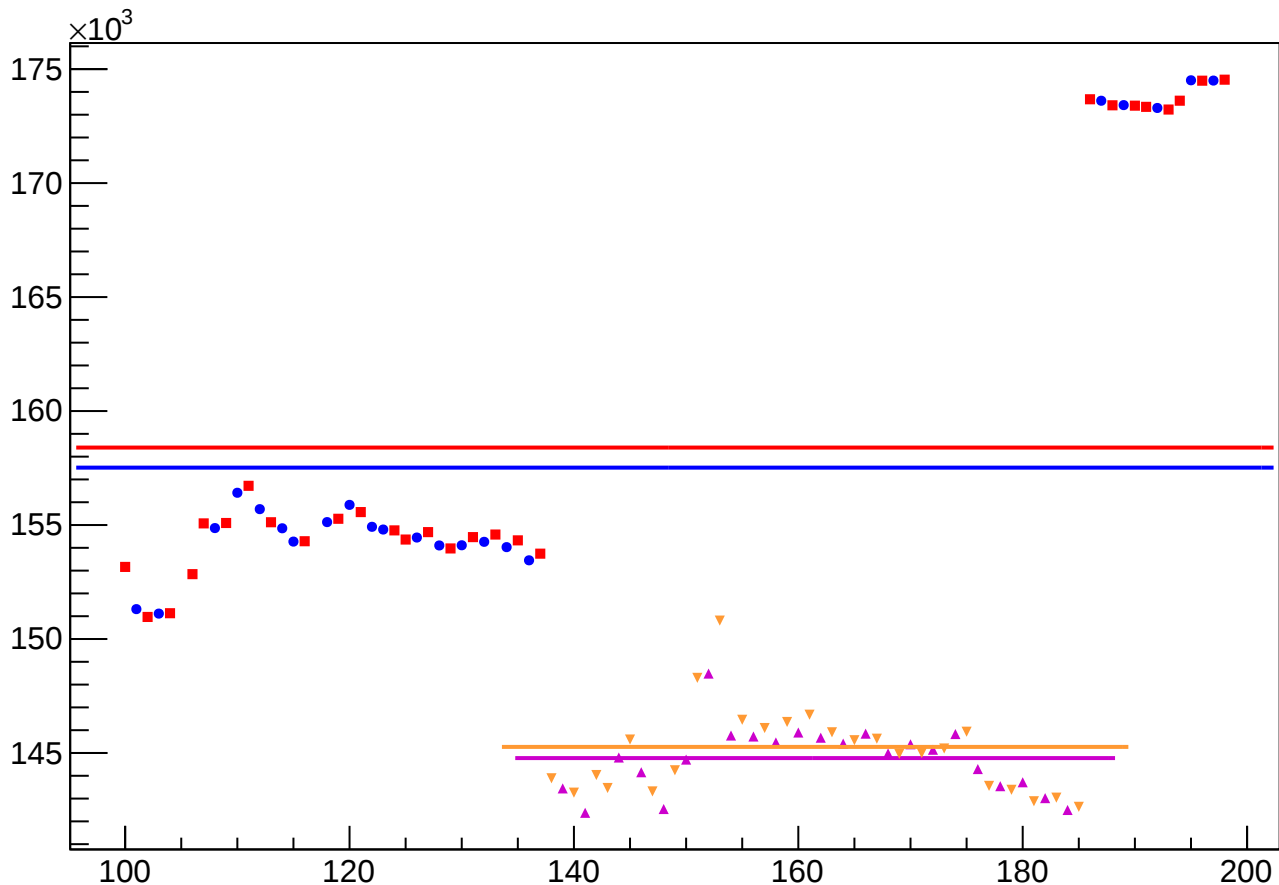
Right: 37.975+/-0.009 χ^2/NDF : 23474167.2/48

In: 59.191+/-0.013 χ^2/NDF : 31243111.4/44

Out: 56.932+/-0.012 χ^2/NDF : 34570490.6/51

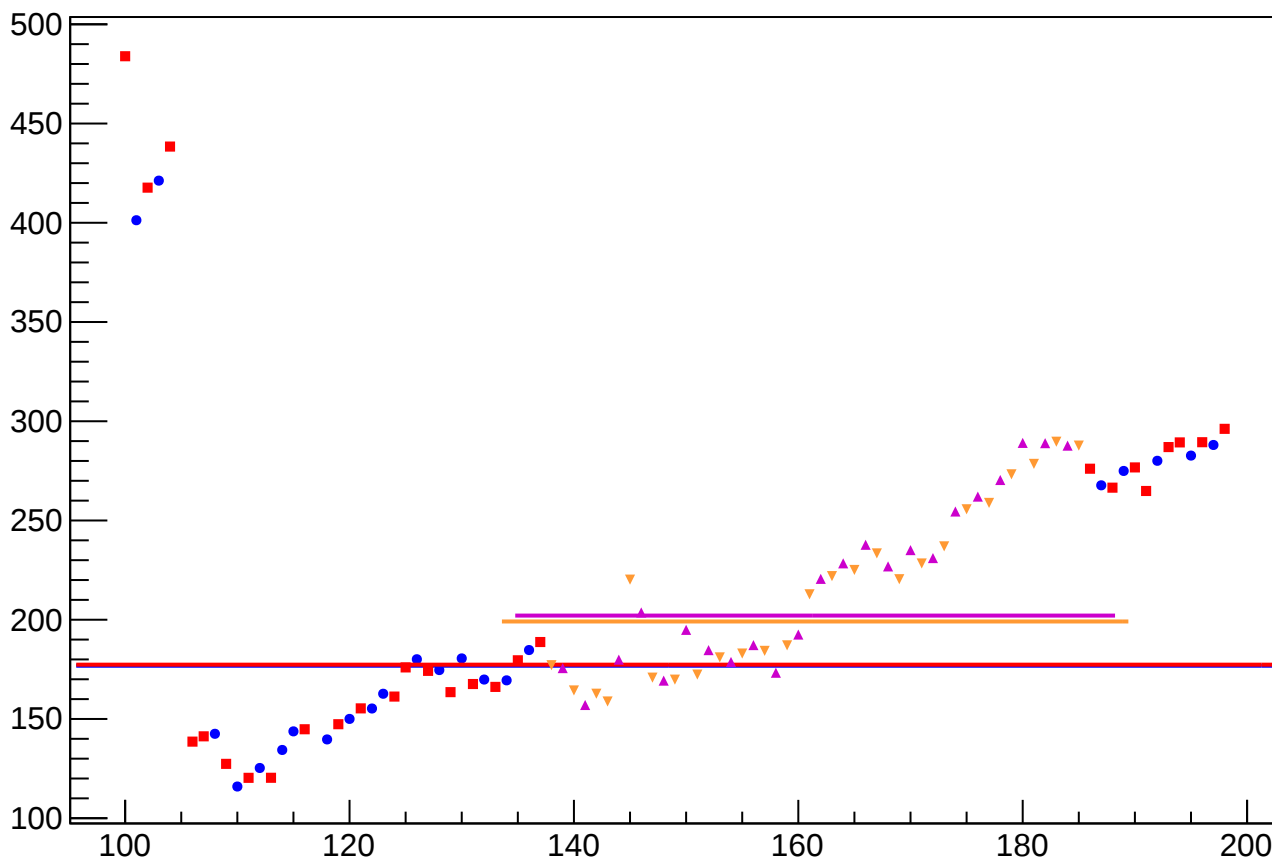
All: 57.955+/-0.009 χ^2/NDF : 65830686.8/96

yield_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 157518.219 $\pm$ 0.061	χ^2 /NDF: 12479693919.9/21	Left: 145032.324 $\pm$ 0.034	χ^2 /NDF: 2687033506.0/21
Left Out: 145266.717 $\pm$ 0.047	χ^2 /NDF: 1717707352.7/24	Right: 158002.019 $\pm$ 0.041	χ^2 /NDF: 31162074481.2/24
Right Out: 158398.137 $\pm$ 0.055	χ^2 /NDF: 18566526431.5/26	In: 149881.015 $\pm$ 0.038	χ^2 /NDF: 39881691376.1/26
Left In: 144776.016 $\pm$ 0.050	χ^2 /NDF: 918120275.4/22	Out: 150879.850 $\pm$ 0.036	χ^2 /NDF: 53099497233.0/22
		All: 150414.132 $\pm$ 0.026	χ^2 /NDF: 933429053.0/22

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 176.824+/-0.043 χ^2/NDF : 2118710.7/21

Left Out: 199.118+/-0.034 χ^2/NDF : 1152231.0/24

Right Out: 177.359+/-0.039 χ^2/NDF : 2884634.7/26

Left In: 202.090+/-0.035 χ^2/NDF : 1057833.2/22

Left: 200.538+/-0.024 χ^2/NDF : 2213821.5/47

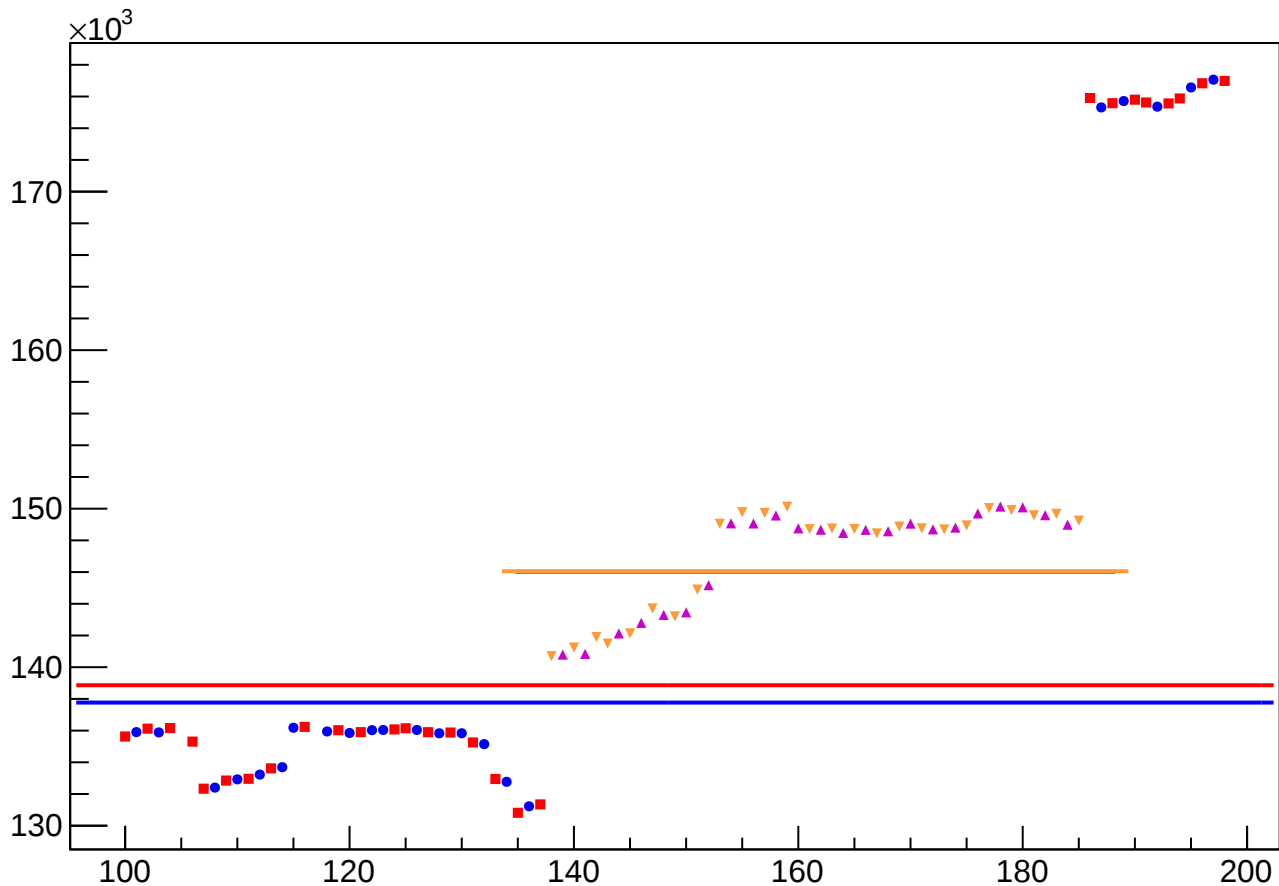
Right: 177.118+/-0.029 χ^2/NDF : 5003431.1/48

In: 191.968+/-0.027 χ^2/NDF : 3384802.5/44

Out: 189.817+/-0.025 χ^2/NDF : 4217070.6/51

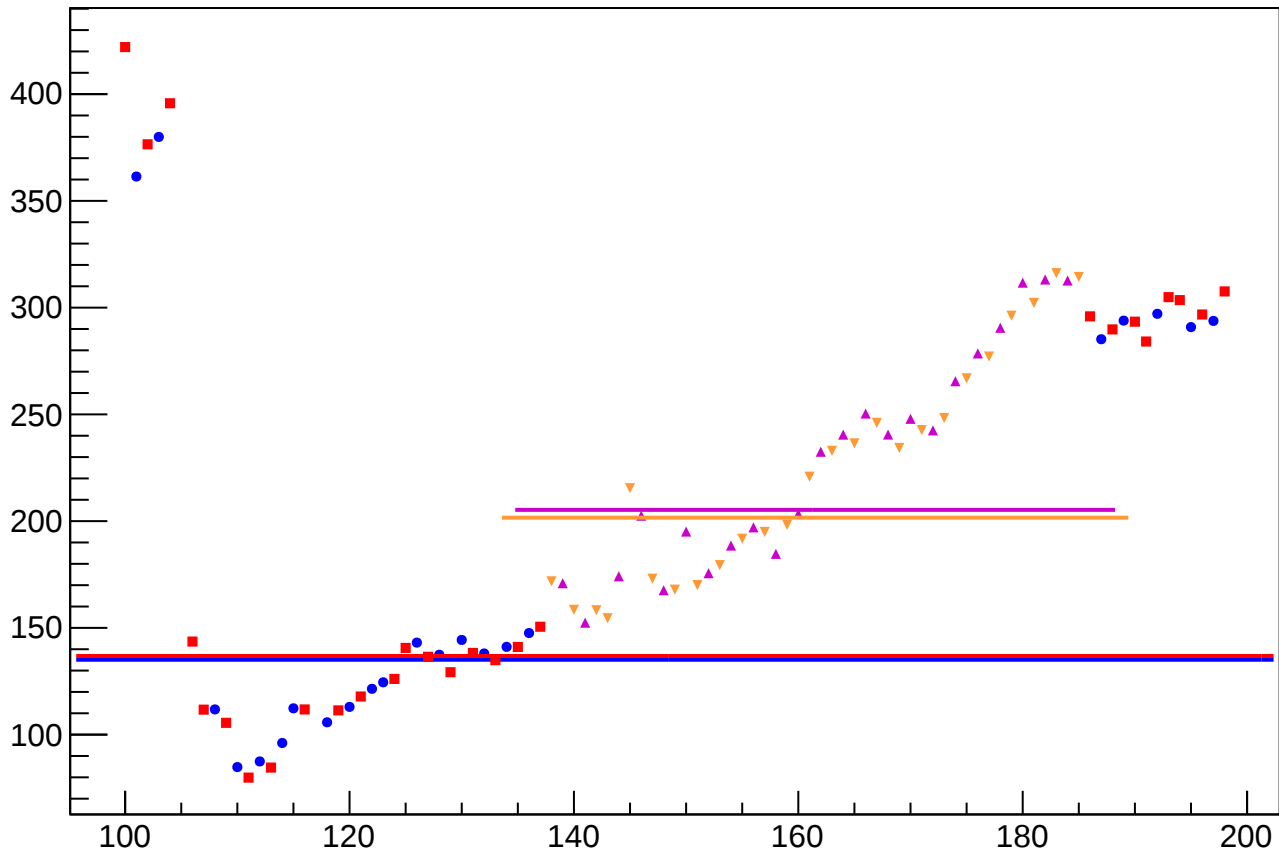
All: 190.820+/-0.019 χ^2/NDF : 7605227.3/96

yield_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 137768.249 $\pm$ 0.048	χ^2 /NDF: 58348360656.8/21	Left: 146036.626 $\pm$ 0.035	χ^2 /NDF: 9994930852.8/4
Left Out: 146051.733 $\pm$ 0.048	χ^2 /NDF: 5403300123.1/24	Right: 138357.472 $\pm$ 0.033	χ^2 /NDF: 147478676647
Right Out: 138862.202 $\pm$ 0.045	χ^2 /NDF: 88853575748.1/26	In: 141694.789 $\pm$ 0.035	χ^2 /NDF: 76850552209.4/4
Left In: 146020.015 $\pm$ 0.051	χ^2 /NDF: 4591425371.4/22	Out: 142176.179 $\pm$ 0.033	χ^2 /NDF: 106198524986.
		All: 141950.719 $\pm$ 0.024	χ^2 /NDF: 183149990

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 135.086 $\pm$ 0.034 χ^2 /NDF: 3415902.0/21

Left Out: 201.632 $\pm$ 0.034 χ^2 /NDF:1589564.0/24

Right Out: 136.838 $\pm$ 0.032 χ^2 /NDF: 4841694.9/26

Left In: 205.286 $\pm$ 0.036 χ^2 /NDF:1425292.7/22

Left: 203.372 $\pm$ 0.025 χ^2 /NDF: 3020309.5/47

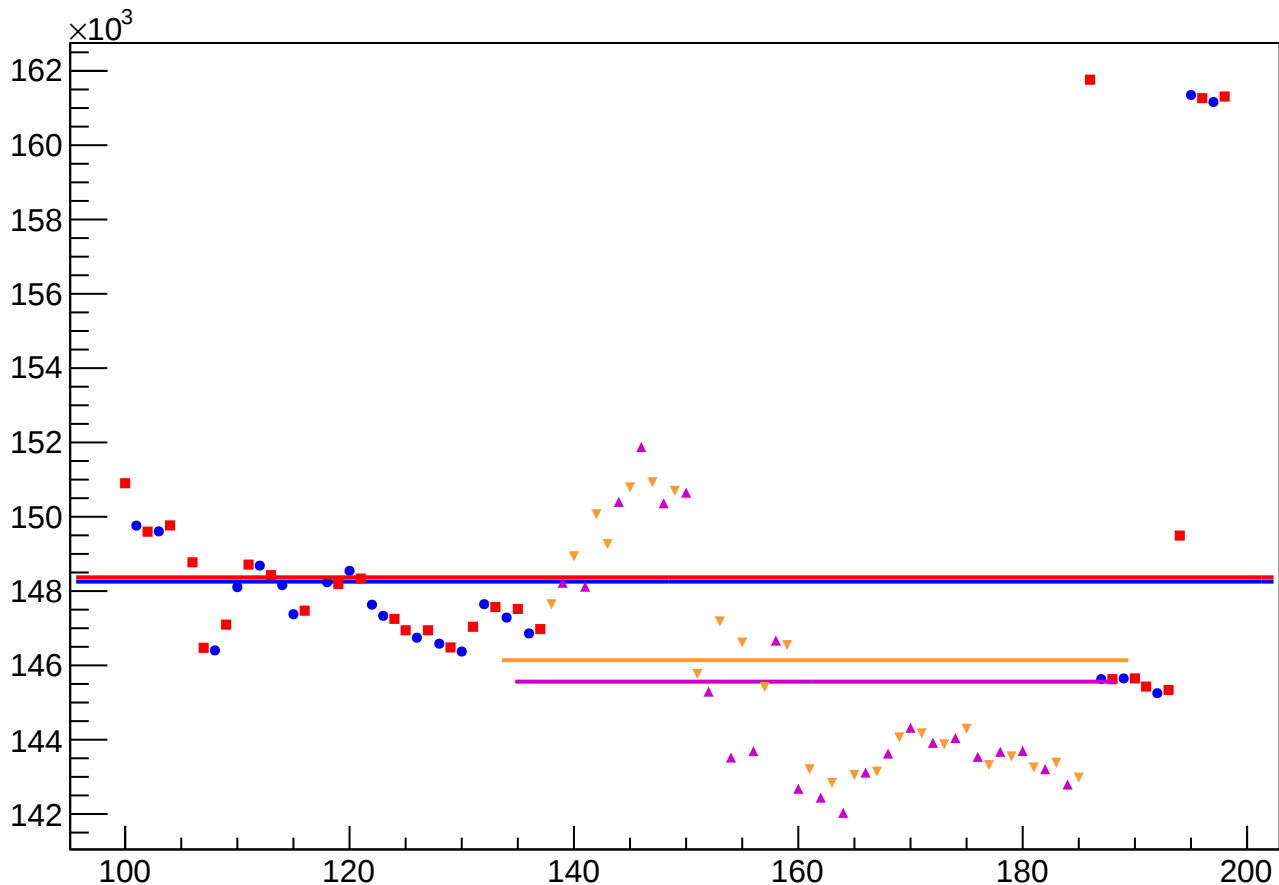
Right: 136.030 $\pm$ 0.023 χ^2 /NDF: 8259017.8/48

In: 168.490 $\pm$ 0.025 χ^2 /NDF:6854779.3/44

Out: 166.704 $\pm$ 0.023 χ^2 /NDF:8371034.4/51

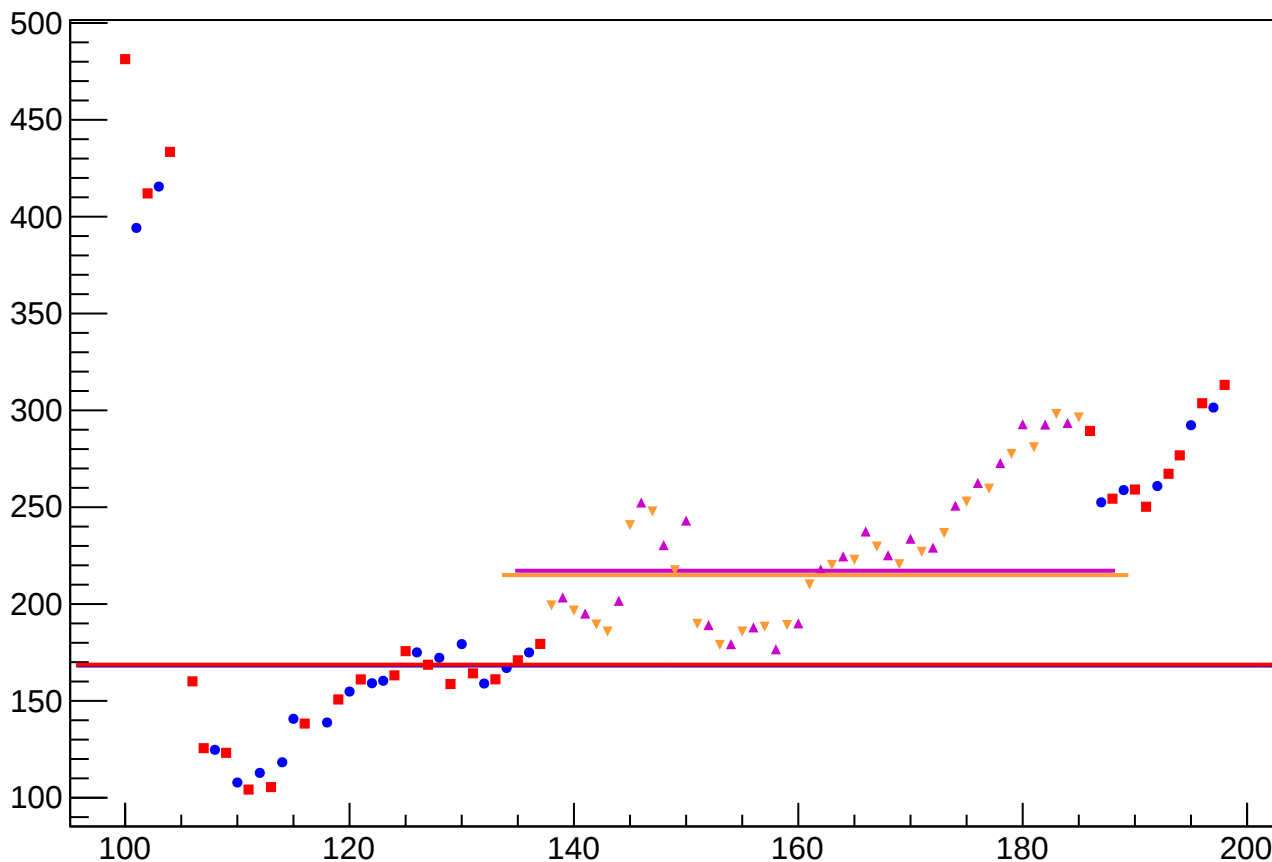
All: 167.541 $\pm$ 0.017 χ^2 /NDF: 15228590.4/96

yield_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 148254.393+/-0.058	χ^2/NDF : 3441935652.9/21	Left: 145862.850+/-0.037	χ^2/NDF : 5815743509.5/4
Left Out: 146139.326+/-0.051	χ^2/NDF : 2699546907.6/24	Right: 148317.812+/-0.039	χ^2/NDF : 7633503815.4/4
Right Out: 148370.060+/-0.053	χ^2/NDF : 4189400170.4/26	In: 146785.217+/-0.039	χ^2/NDF : 7665484072.9/4
Left In: 145562.386+/-0.053	χ^2/NDF : 3054641996.0/22	Out: 147214.017+/-0.037	χ^2/NDF : 7814075938.1/5
		All: 147014.061+/-0.027	χ^2/NDF : 15543405

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 168.261+/-0.041 χ^2/NDF : 2358670.4/21

Left Out: 214.945+/-0.036 χ^2/NDF : 728515.5/24

Right Out: 168.709+/-0.037 χ^2/NDF : 3275295.7/26

Left In: 217.203+/-0.038 χ^2/NDF : 764798.3/22

Left: 216.027+/-0.026 χ^2/NDF : 1495200.1/47

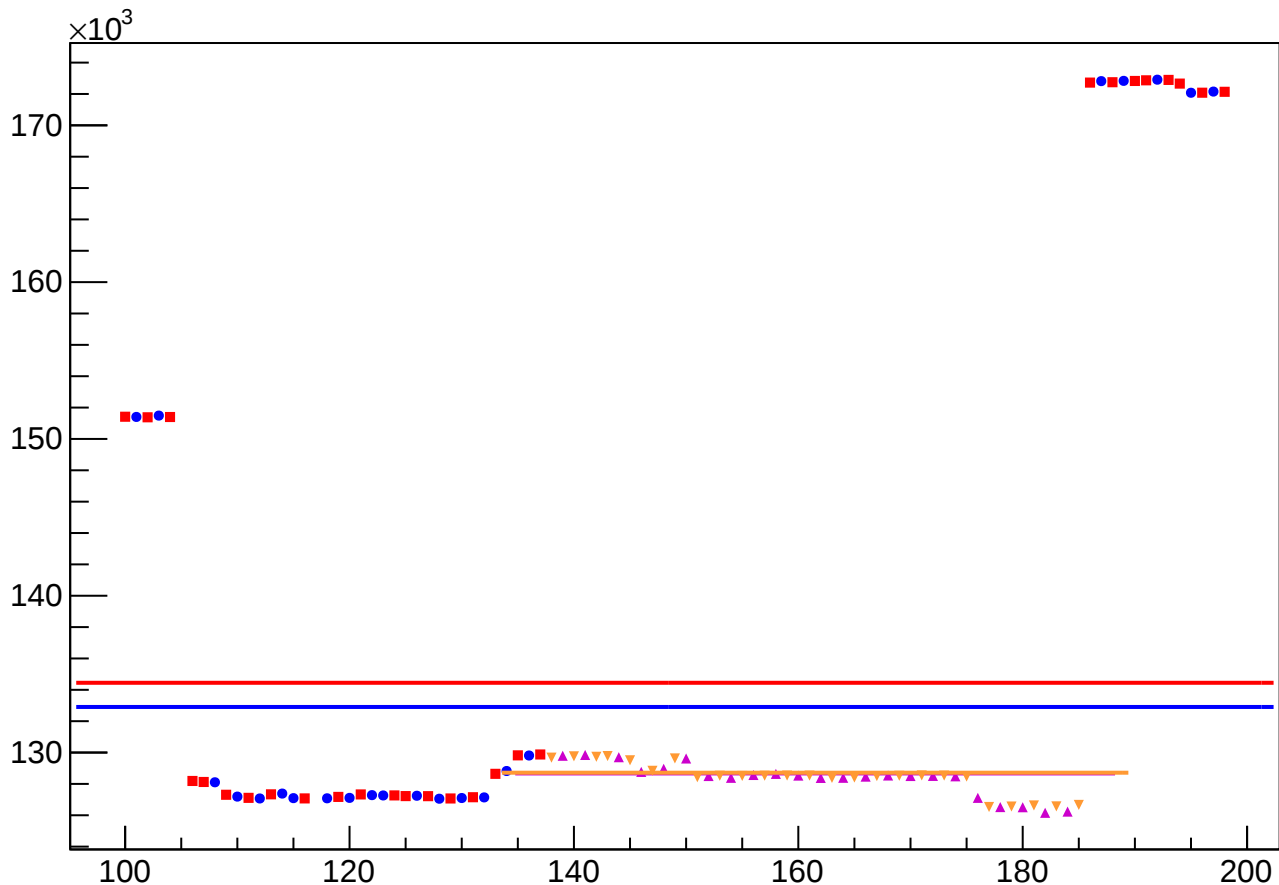
Right: 168.507+/-0.028 χ^2/NDF : 5634031.2/48

In: 194.971+/-0.028 χ^2/NDF : 3896204.7/44

Out: 192.670+/-0.026 χ^2/NDF : 4798683.8/51

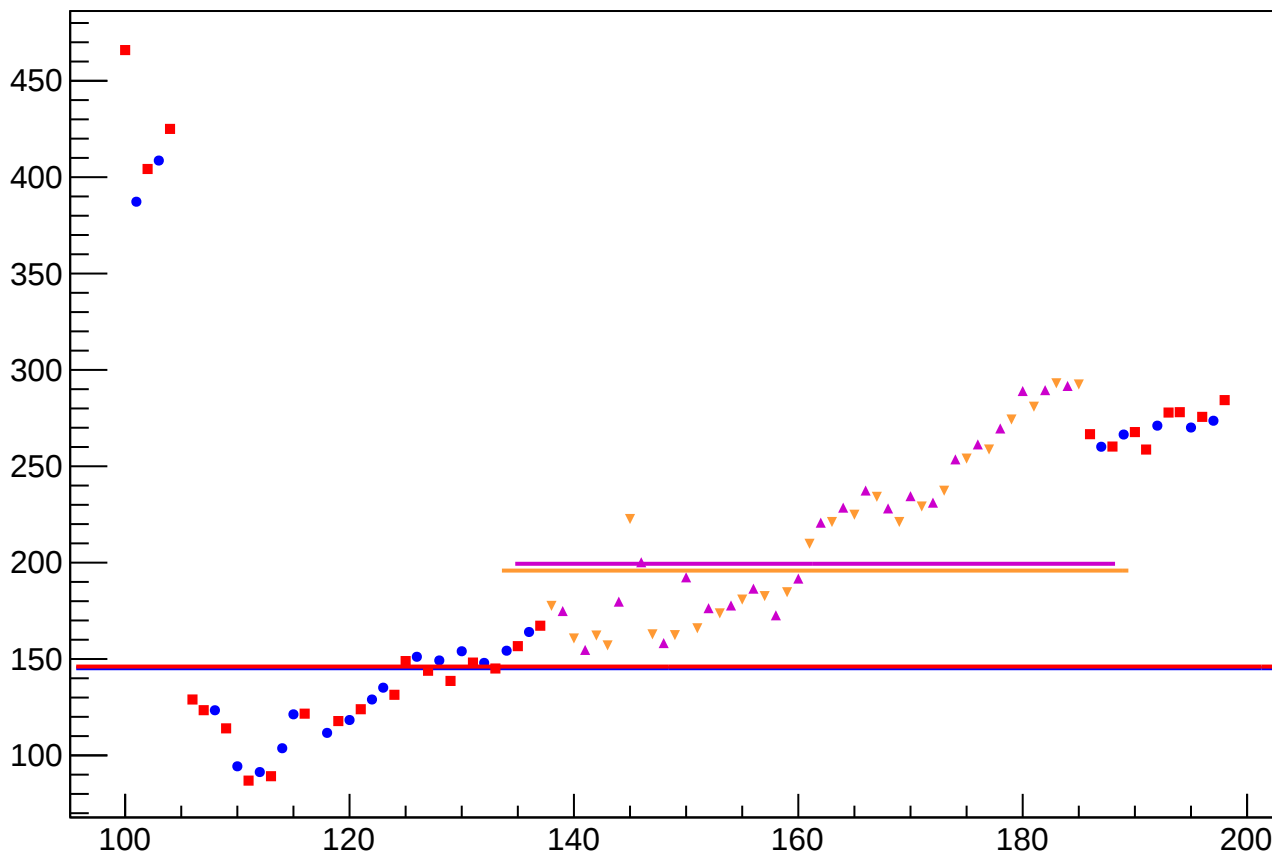
All: 193.743+/-0.019 χ^2/NDF : 8698566.5/96

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 132906.928 $\pm$ 0.051	χ^2 /NDF: 78449848808.9/21	Left: 128691.898 $\pm$ 0.034	χ^2 /NDF: 681729975.4/47
Left Out: 128714.507 $\pm$ 0.047	χ^2 /NDF: 348178101.1/24	Right: 133749.985 $\pm$ 0.034	χ^2 /NDF: 197322865461
Right Out: 134448.942 $\pm$ 0.047	χ^2 /NDF: 118376007426.0/26	In: 130695.935 $\pm$ 0.035	χ^2 /NDF: 82366873481.1/4
Left In: 128667.013 $\pm$ 0.049	χ^2 /NDF: 333059477.6/22	Out: 131589.724 $\pm$ 0.033	χ^2 /NDF: 126284910320
		All: 131174.232 $\pm$ 0.024	χ^2 /NDF: 208993325

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 145.213+/-0.036 χ^2/NDF : 2959085.3/21

Left Out: 195.883+/-0.033 χ^2/NDF : 1313361.5/24

Right Out: 146.081+/-0.033 χ^2/NDF : 4054124.9/26

Left In: 199.413+/-0.035 χ^2/NDF : 1165698.7/22

Left: 197.564+/-0.024 χ^2/NDF : 2484502.8/47

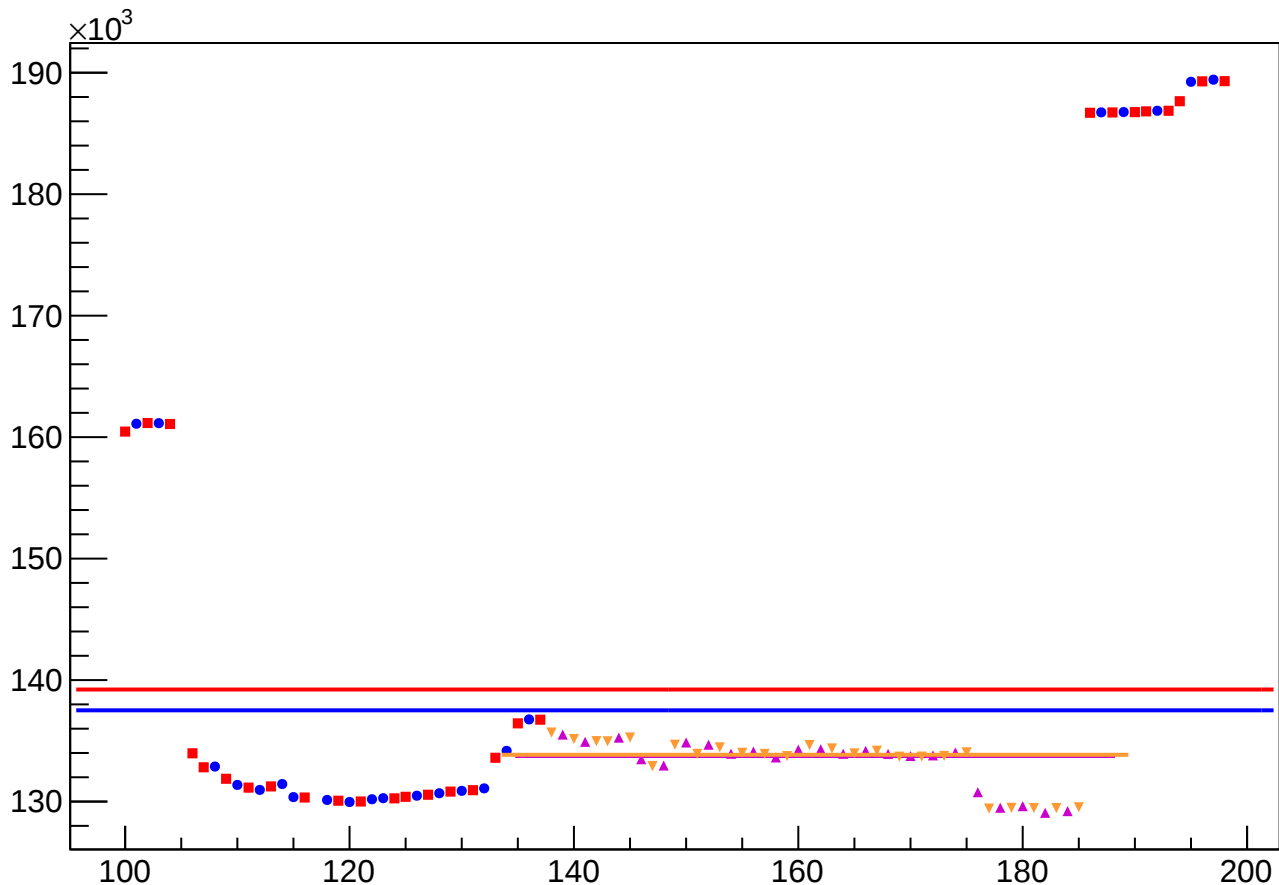
Right: 145.688+/-0.024 χ^2/NDF : 7013525.6/48

In: 173.477+/-0.025 χ^2/NDF : 5296142.6/44

Out: 170.913+/-0.023 χ^2/NDF : 6507982.0/51

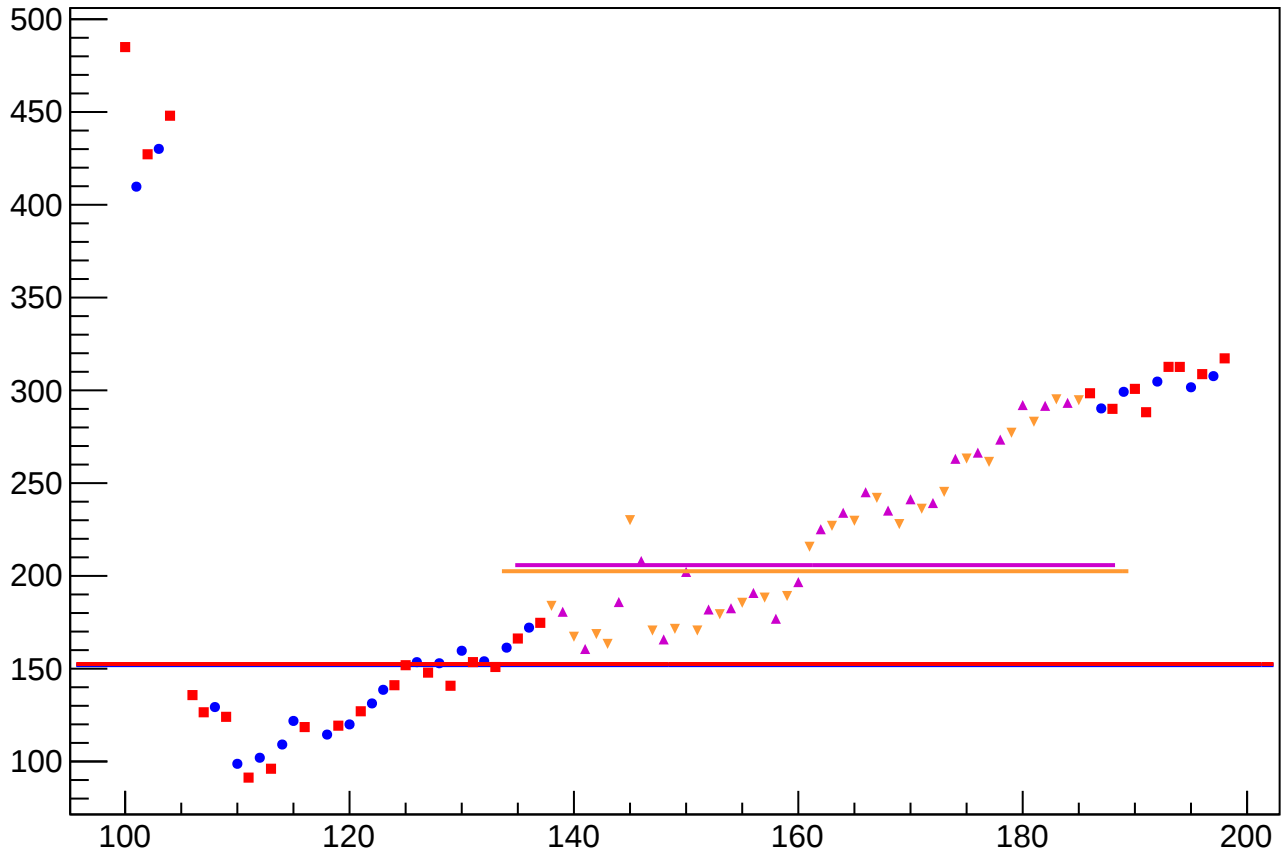
All: 172.105+/-0.017 χ^2/NDF : 11809747.2/96

yield_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 137510.875 $\pm$ 0.054 χ^2 /NDF: 101466090495.5/21
 Left Out: 133850.586 $\pm$ 0.048 χ^2 /NDF: 1080107831.1/24
 Right Out: 139223.012 $\pm$ 0.049 χ^2 /NDF: 150764498453.2/26
 Left In: 133749.630 $\pm$ 0.051 χ^2 /NDF: 954069486.7/22
 Left: 133802.452 $\pm$ 0.035 χ^2 /NDF: 2036267179.3/4
 Right: 138446.214 $\pm$ 0.036 χ^2 /NDF: 252783879123
 In: 135511.919 $\pm$ 0.037 χ^2 /NDF: 105017807325.7
 Out: 136492.195 $\pm$ 0.034 χ^2 /NDF: 157947967776.
 All: 136035.697 $\pm$ 0.025 χ^2 /NDF: 263344388

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 151.919+/-0.038 χ^2/NDF : 3132630.4/21

Left Out: 202.527+/-0.034 χ^2/NDF :1211991.5/24

Right Out: 152.523+/-0.035 χ^2/NDF : 4378476.8/26

Left In: 205.808+/-0.036 χ^2/NDF :1094330.7/22

Left: 204.091+/-0.025 χ^2/NDF : 2310735.8/47

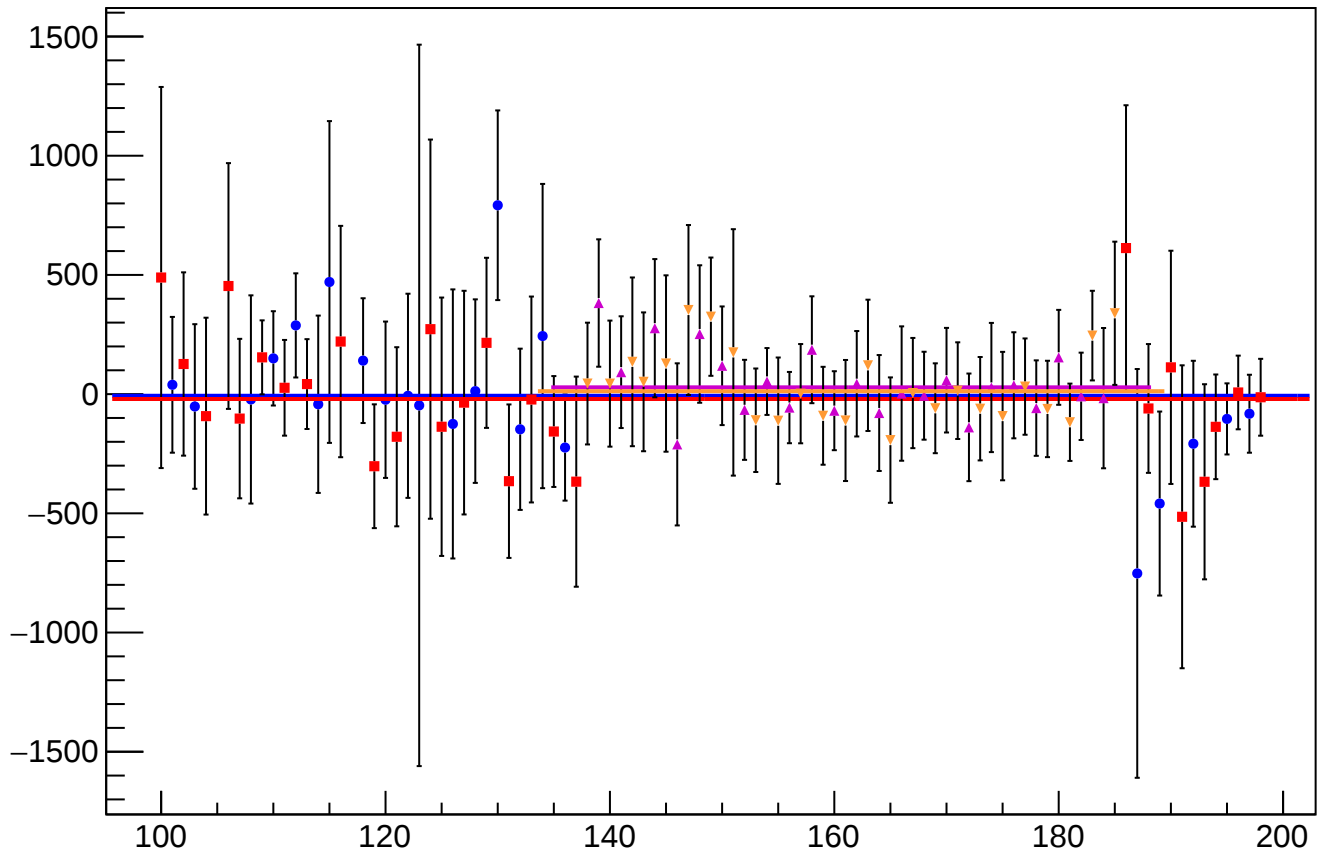
Right: 152.249+/-0.026 χ^2/NDF : 7511244.6/48

In: 180.559+/-0.026 χ^2/NDF :5293418.5/44

Out: 177.940+/-0.024 χ^2/NDF :6647969.0/51

All: 179.160+/-0.018 χ^2/NDF : 11946791.9/96

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -6.899 ± 62.260 $\chi^2/\text{NDF}: 11.8/21$

Left Out: 12.180 ± 47.531 $\chi^2/\text{NDF}: 8.6/24$

Right Out: -20.417 ± 54.731 $\chi^2/\text{NDF}: 10.1/26$

Left In: 28.452 ± 44.688 $\chi^2/\text{NDF}: 6.7/22$

Left: 20.817 ± 32.558 $\chi^2/\text{NDF}: 15.3/47$

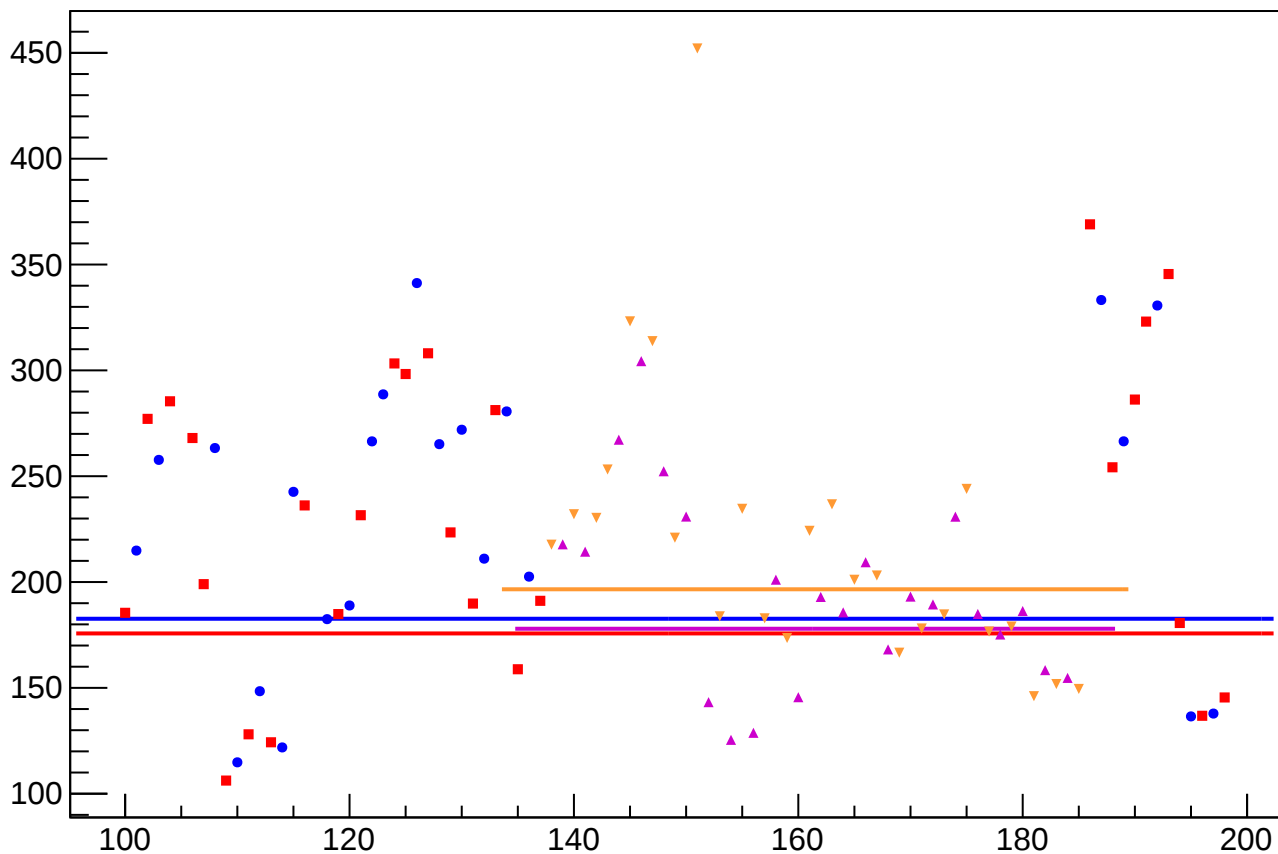
Right: -14.524 ± 41.106 $\chi^2/\text{NDF}: 21.9/48$

In: 16.432 ± 36.304 $\chi^2/\text{NDF}: 18.7/44$

Out: -1.835 ± 35.887 $\chi^2/\text{NDF}: 18.9/51$

All: 7.193 ± 25.522 $\chi^2/\text{NDF}: 37.7/96$

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 182.654 $\pm$ 0.044 χ^2/NDF : 1916185.5/21

Left Out: 196.576 $\pm$ 0.034 χ^2/NDF :1778719.0/24

Right Out: 175.718 $\pm$ 0.039 χ^2/NDF : 2709295.4/26

Left In: 177.933 $\pm$ 0.032 χ^2/NDF :1605780.8/22

Left: 186.680 $\pm$ 0.023 χ^2/NDF : 3547823.4/47

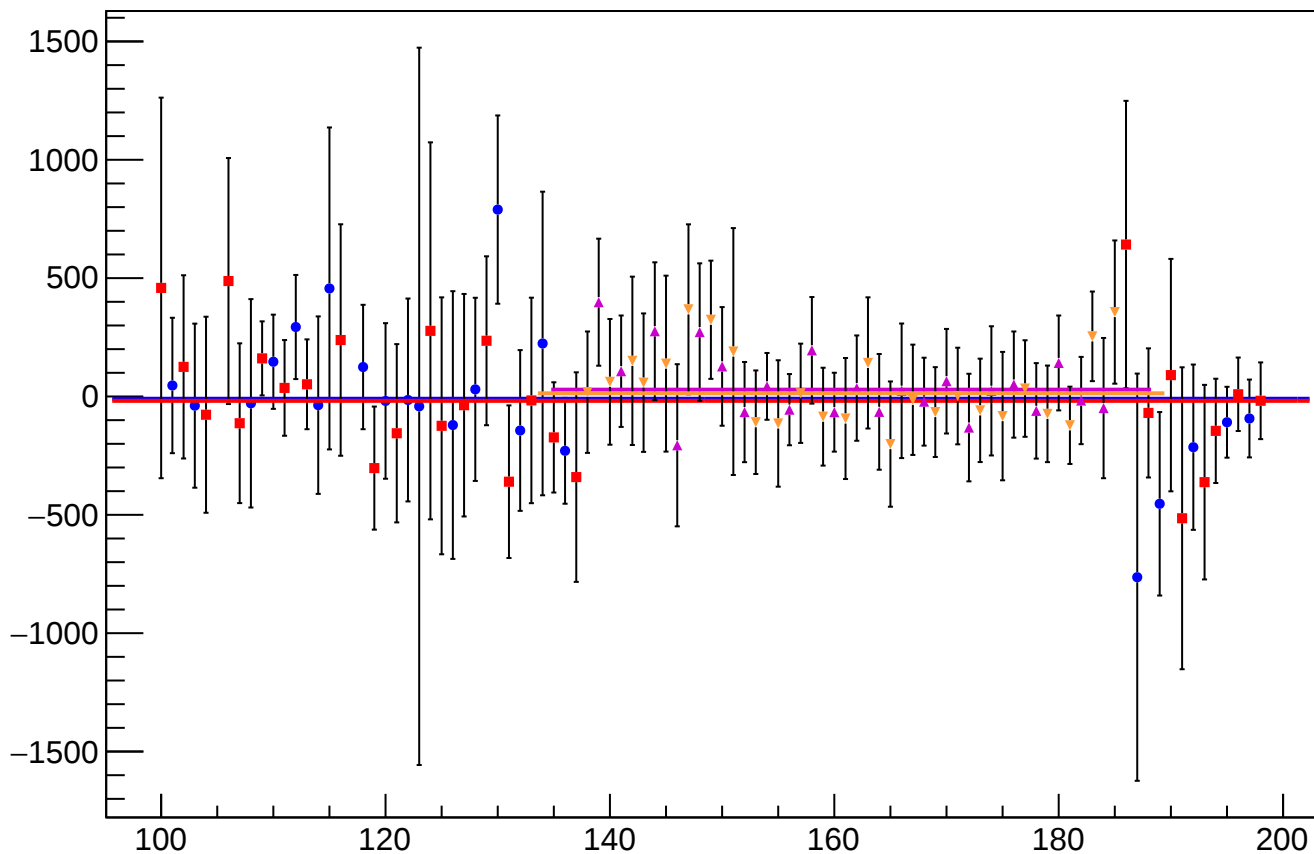
Right: 178.742 $\pm$ 0.029 χ^2/NDF : 4639481.6/48

In: 179.538 $\pm$ 0.026 χ^2/NDF :3529556.5/44

Out: 187.609 $\pm$ 0.025 χ^2/NDF :4653599.8/51

All: 183.620 $\pm$ 0.018 χ^2/NDF : 8233144.2/96

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -9.604 ± 62.554 χ^2/NDF : 11.8/21

Left Out: 13.395 ± 47.862 χ^2/NDF : 9.0/24

Right Out: -18.370 ± 55.019 χ^2/NDF : 10.4/26

Left In: 28.806 ± 44.980 χ^2/NDF : 6.8/22

Left: 21.578 ± 32.777 χ^2/NDF : 15.9/47

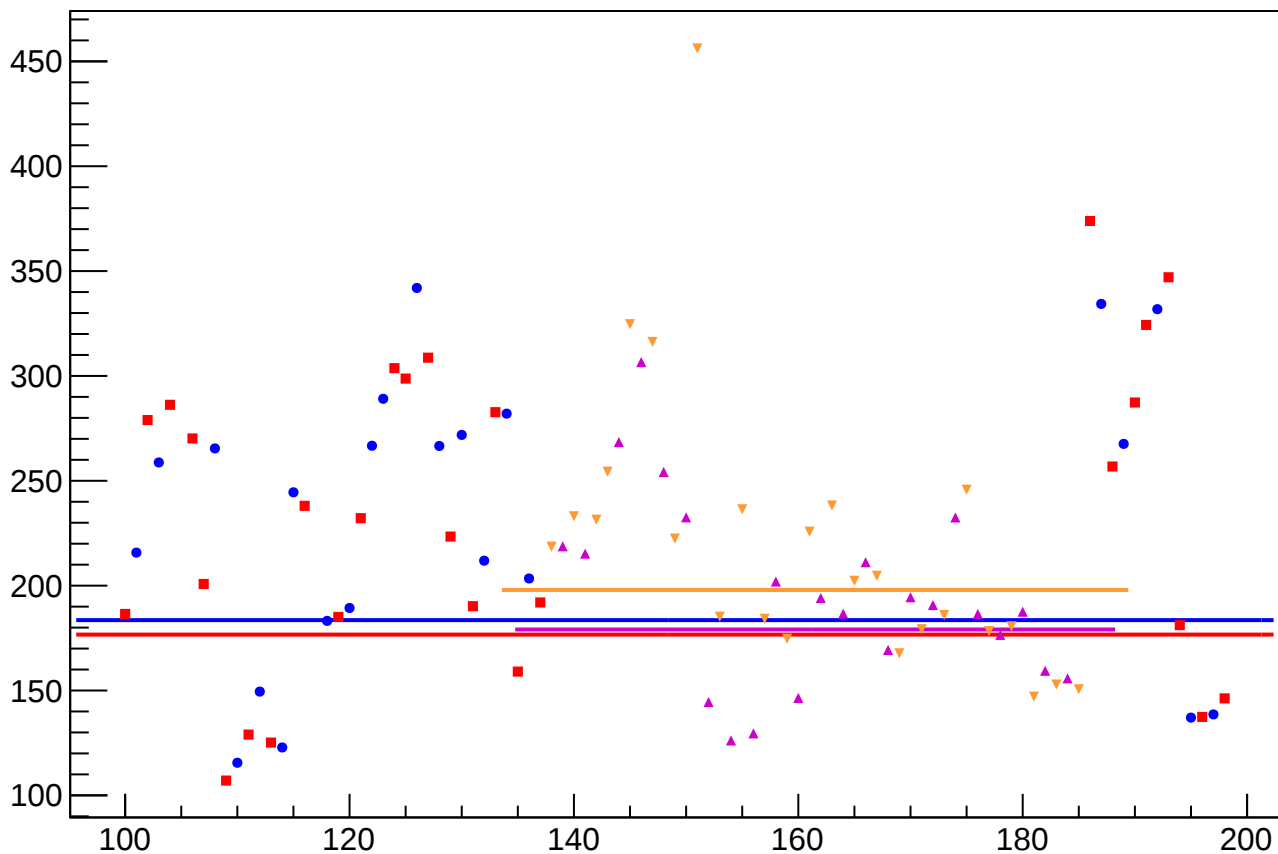
Right: -14.547 ± 41.313 χ^2/NDF : 22.1/48

In: 15.715 ± 36.519 χ^2/NDF : 18.9/44

Out: -0.289 ± 36.111 χ^2/NDF : 19.5/51

All: 7.623 ± 25.677 χ^2/NDF : 38.5/96

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 183.560 ± 0.044 χ^2/NDF : 1907367.7/21

Left Out: 197.953 ± 0.034 χ^2/NDF : 1774524.3/24

Right Out: 176.665 ± 0.039 χ^2/NDF : 2703153.2/26

Left In: 179.090 ± 0.032 χ^2/NDF : 1605113.3/22

Left: 187.936 ± 0.023 χ^2/NDF : 3544595.8/47

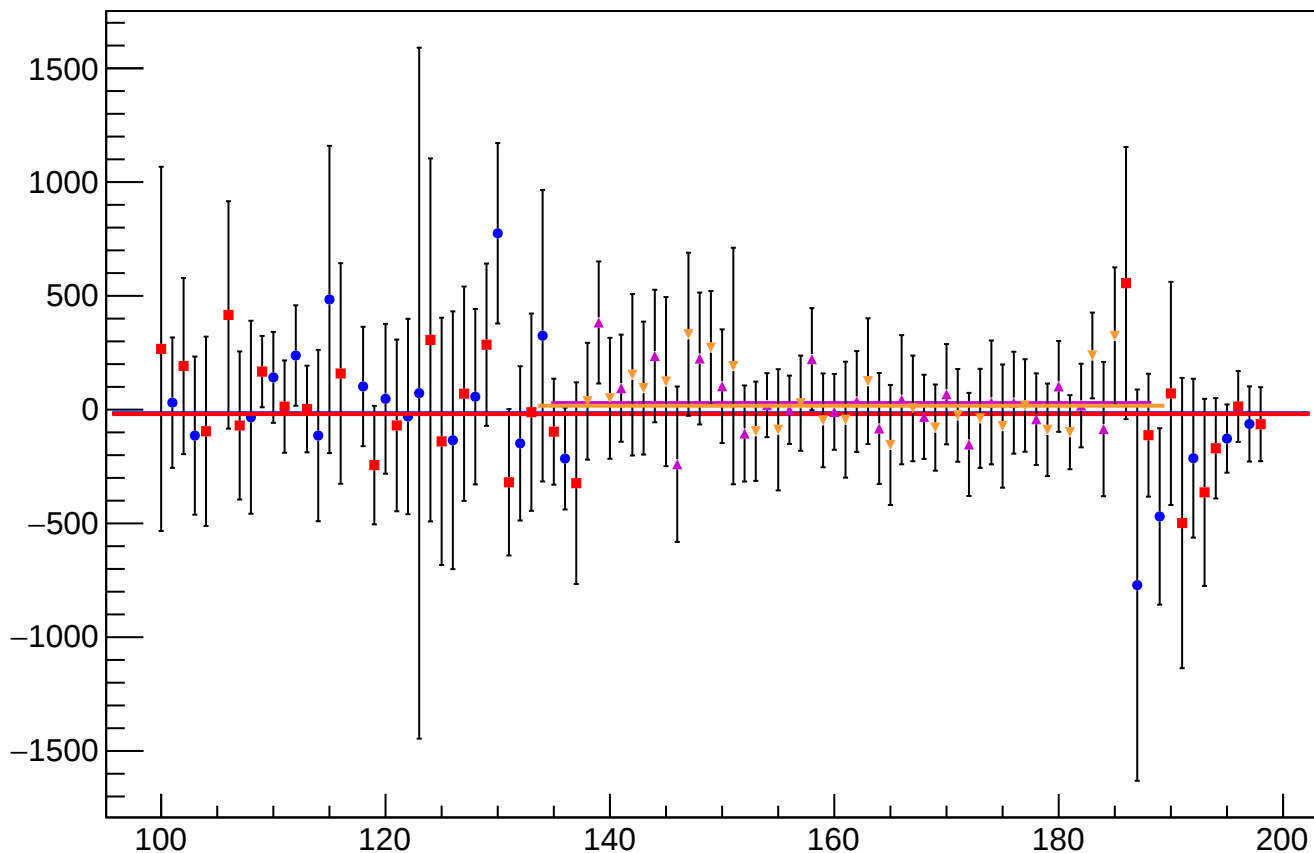
Right: 179.673 ± 0.029 χ^2/NDF : 4624220.7/48

In: 180.613 ± 0.026 χ^2/NDF : 3519214.6/44

Out: 188.783 ± 0.026 χ^2/NDF : 4648102.4/51

All: 184.744 ± 0.018 χ^2/NDF : 8217922.0/96

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: -15.887 ± 62.603 $\chi^2/\text{NDF}: 11.3/21$

Left Out: 17.142 ± 47.738 $\chi^2/\text{NDF}: 7.1/24$

Right Out: -19.537 ± 54.996 $\chi^2/\text{NDF}: 9.0/26$

Left In: 28.655 ± 44.859 $\chi^2/\text{NDF}: 6.1/22$

Left: 23.256 ± 32.690 $\chi^2/\text{NDF}: 13.2/47$

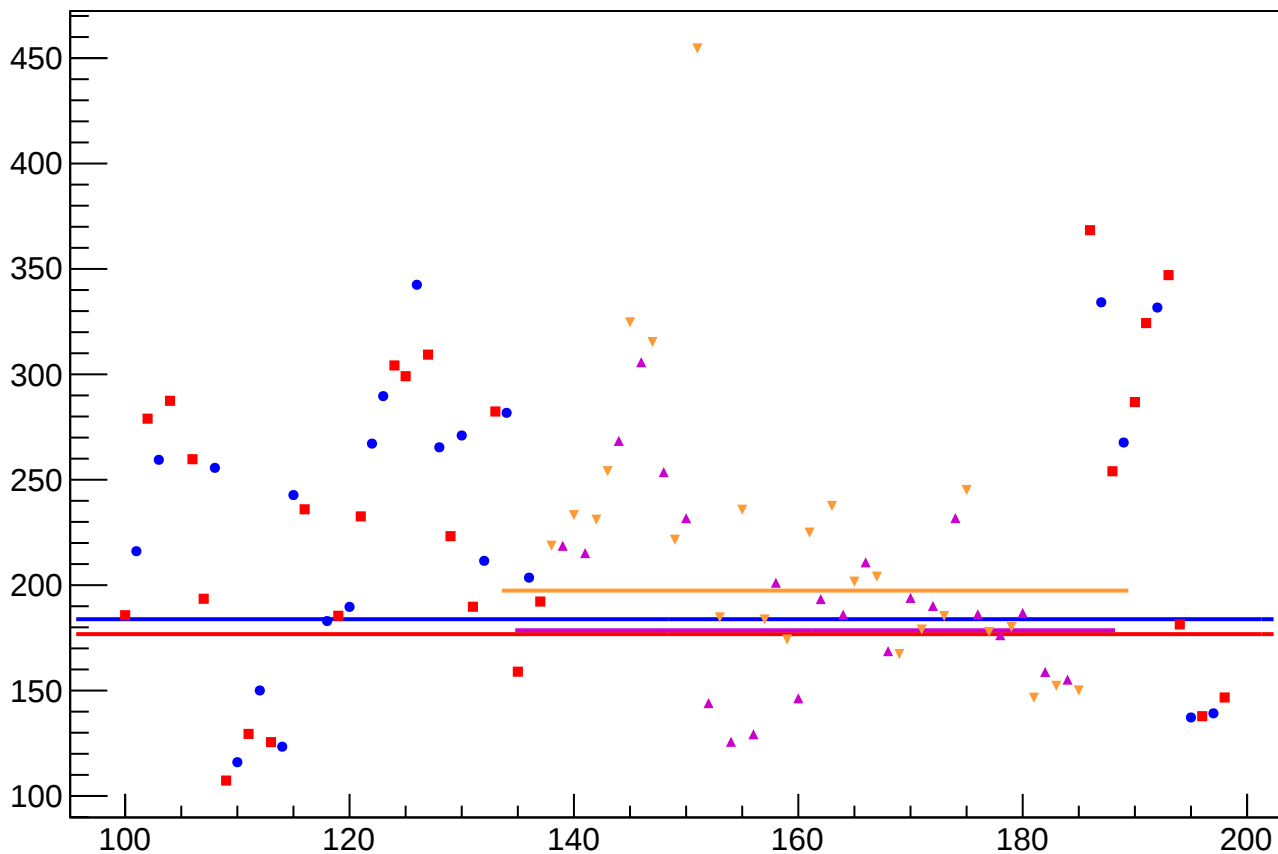
Right: -17.947 ± 41.317 $\chi^2/\text{NDF}: 20.2/48$

In: 13.544 ± 36.464 $\chi^2/\text{NDF}: 17.8/44$

Out: 1.381 ± 36.051 $\chi^2/\text{NDF}: 16.3/51$

All: 7.393 ± 25.637 $\chi^2/\text{NDF}: 34.1/96$

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 183.853 $\pm$ 0.044 χ^2/NDF : 1878992.3/21

Left Out: 197.422 $\pm$ 0.034 χ^2/NDF : 1780261.9/24

Right Out: 176.769 $\pm$ 0.039 χ^2/NDF : 2659498.1/26

Left In: 178.601 $\pm$ 0.032 χ^2/NDF : 1608998.1/22

Left: 187.427 $\pm$ 0.023 χ^2/NDF : 3554344.1/47

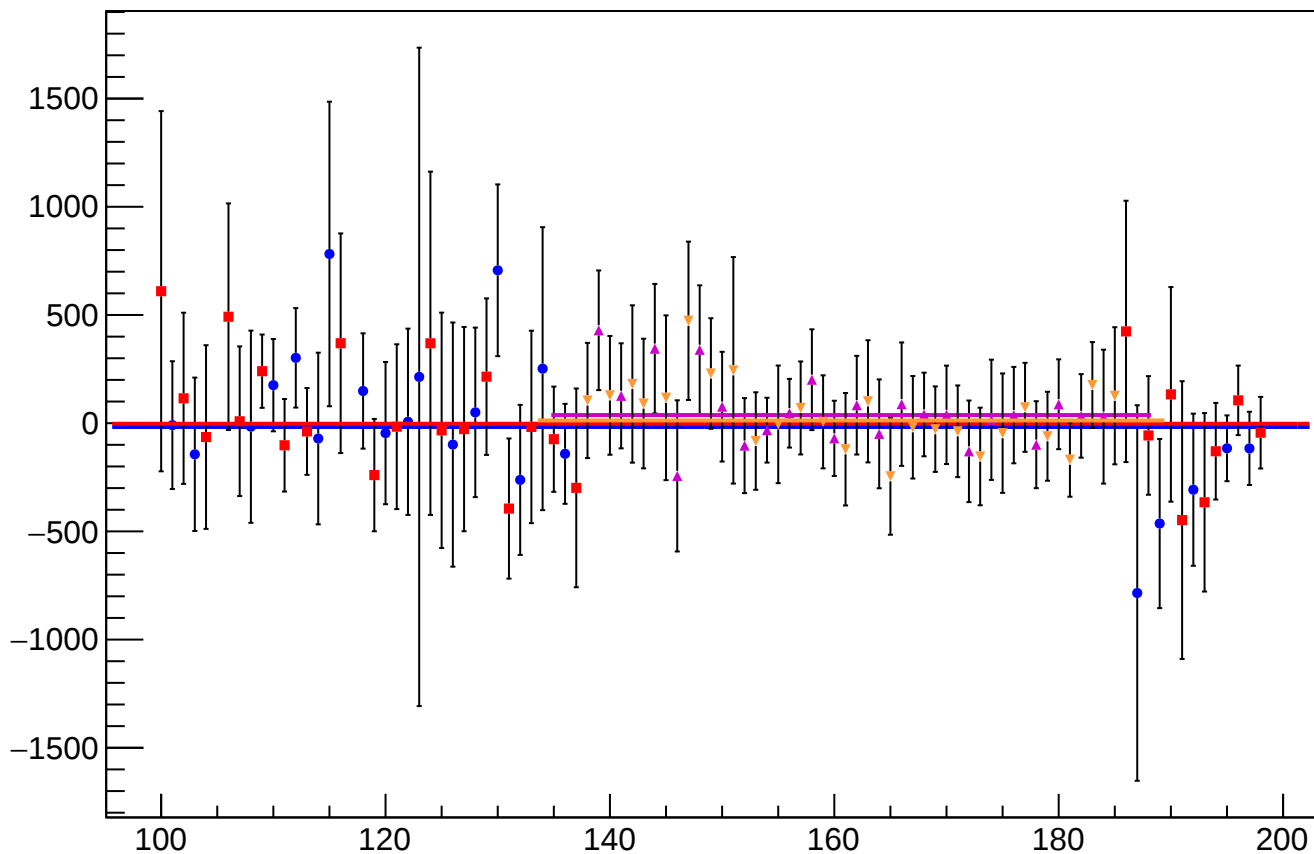
Right: 179.855 $\pm$ 0.029 χ^2/NDF : 4552942.5/48

In: 180.383 $\pm$ 0.026 χ^2/NDF : 3497288.7/44

Out: 188.547 $\pm$ 0.025 χ^2/NDF : 4600609.4/51

All: 184.512 $\pm$ 0.018 χ^2/NDF : 8148602.2/96

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: -17.429 ± 64.213 χ^2/NDF : 12.5/21

Left Out: 12.632 ± 49.242 χ^2/NDF : 7.5/24

Right Out: -2.767 ± 56.816 χ^2/NDF : 10.5/26

Left In: 37.460 ± 46.479 χ^2/NDF : 7.6/22

Left: 25.762 ± 33.800 χ^2/NDF : 15.3/47

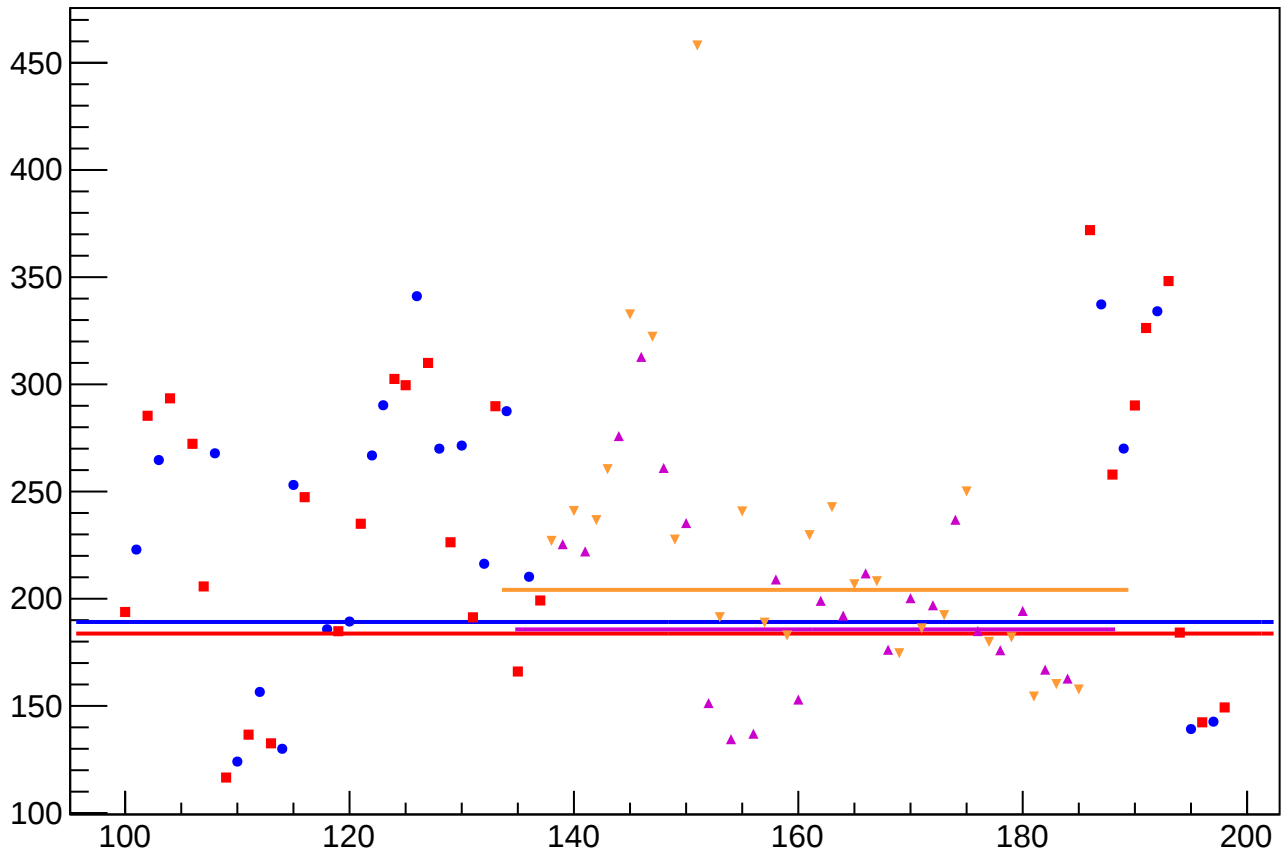
Right: -9.205 ± 42.551 χ^2/NDF : 23.0/48

In: 18.590 ± 37.651 χ^2/NDF : 20.6/44

Out: 6.027 ± 37.211 χ^2/NDF : 18.1/51

All: 12.234 ± 26.466 χ^2/NDF : 38.7/96

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 189.157 ± 0.045 χ^2/NDF : 1783259.4/21

Left Out: 204.132 ± 0.035 χ^2/NDF : 1672287.6/24

Right Out: 183.751 ± 0.040 χ^2/NDF : 2444385.0/26

Left In: 185.694 ± 0.033 χ^2/NDF : 1447767.0/22

Left: 194.381 ± 0.024 χ^2/NDF : 3268347.9/47

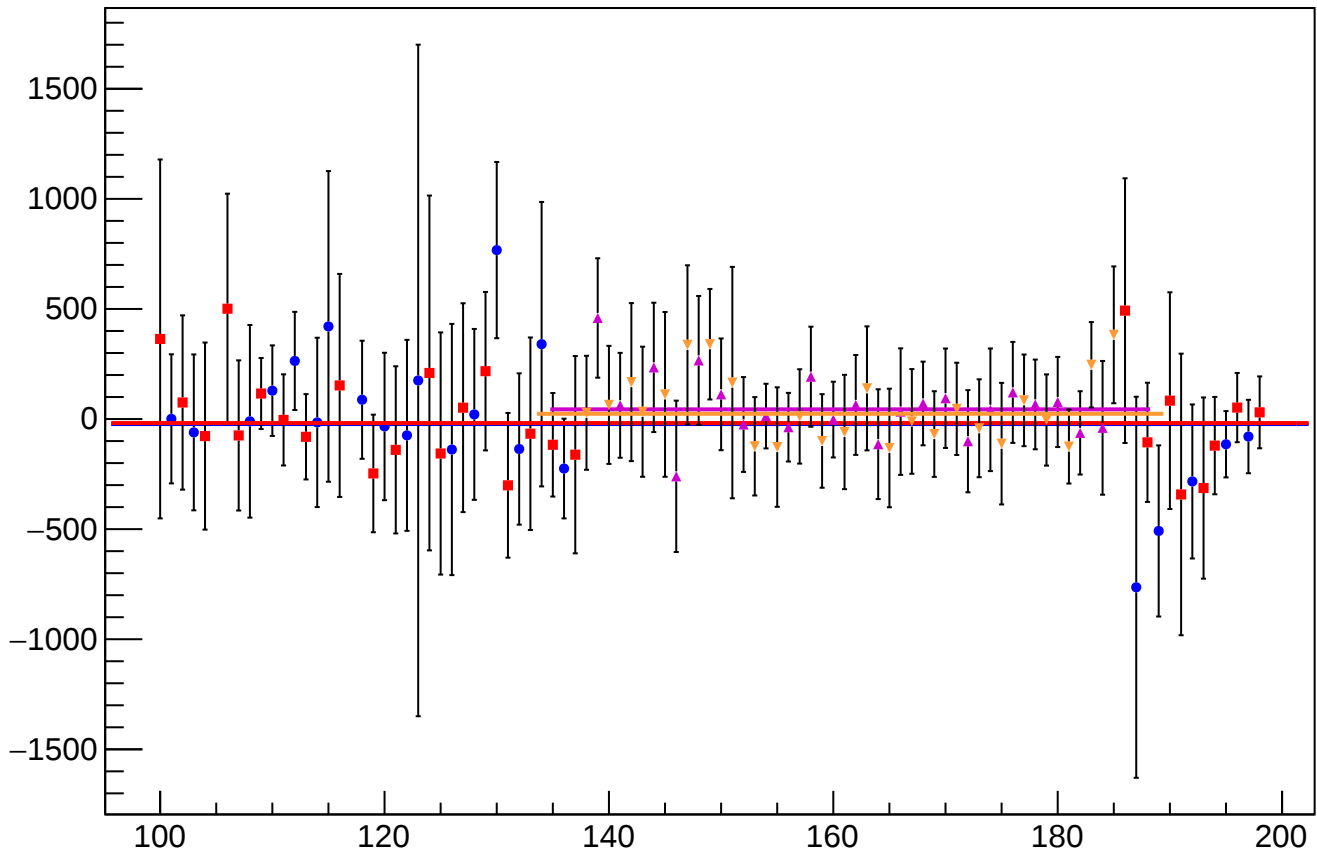
Right: 186.125 ± 0.030 χ^2/NDF : 4235594.4/48

In: 186.884 ± 0.027 χ^2/NDF : 3234844.6/44

Out: 195.390 ± 0.026 χ^2/NDF : 4263629.0/51

All: 191.187 ± 0.019 χ^2/NDF : 7550103.0/96

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: -22.732 ± 63.436 $\chi^2/\text{NDF}: 11.3/21$

Left Out: 23.843 ± 48.783 $\chi^2/\text{NDF}: 8.5/24$

Right Out: -18.129 ± 55.830 $\chi^2/\text{NDF}: 6.8/26$

Left In: 43.978 ± 45.981 $\chi^2/\text{NDF}: 6.5/22$

Left: 34.506 ± 33.460 $\chi^2/\text{NDF}: 15.1/47$

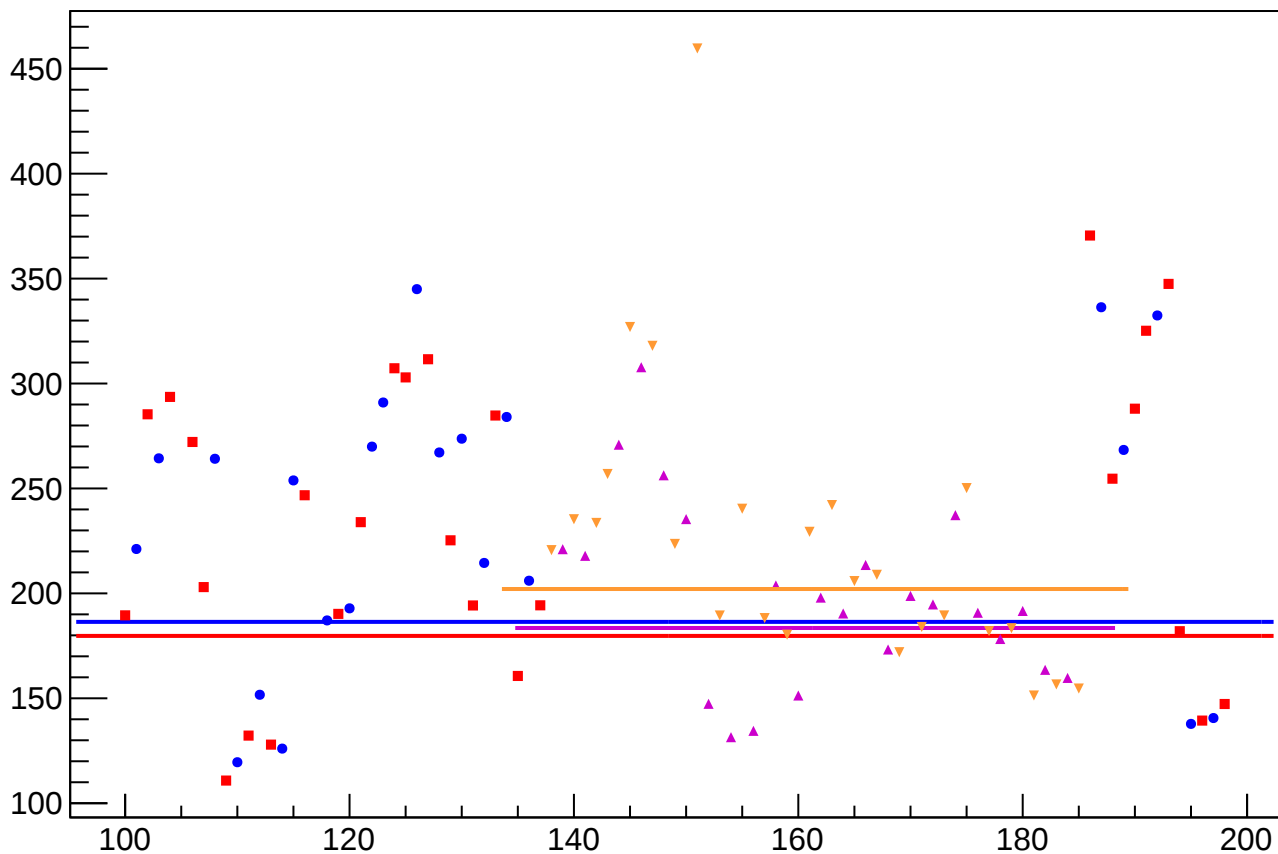
Right: -20.138 ± 41.910 $\chi^2/\text{NDF}: 18.2/48$

In: 21.002 ± 37.229 $\chi^2/\text{NDF}: 18.6/44$

Out: 5.672 ± 36.735 $\chi^2/\text{NDF}: 15.6/51$

All: 13.234 ± 26.149 $\chi^2/\text{NDF}: 34.3/96$

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 186.420+/-0.045 χ^2/NDF : 1867390.1/21

Left Out: 202.081+/-0.034 χ^2/NDF : 1692787.9/24

Right Out: 179.733+/-0.039 χ^2/NDF : 2620329.4/26

Left In: 183.498+/-0.033 χ^2/NDF : 1483383.4/22

Left: 192.240+/-0.024 χ^2/NDF : 3329846.6/47

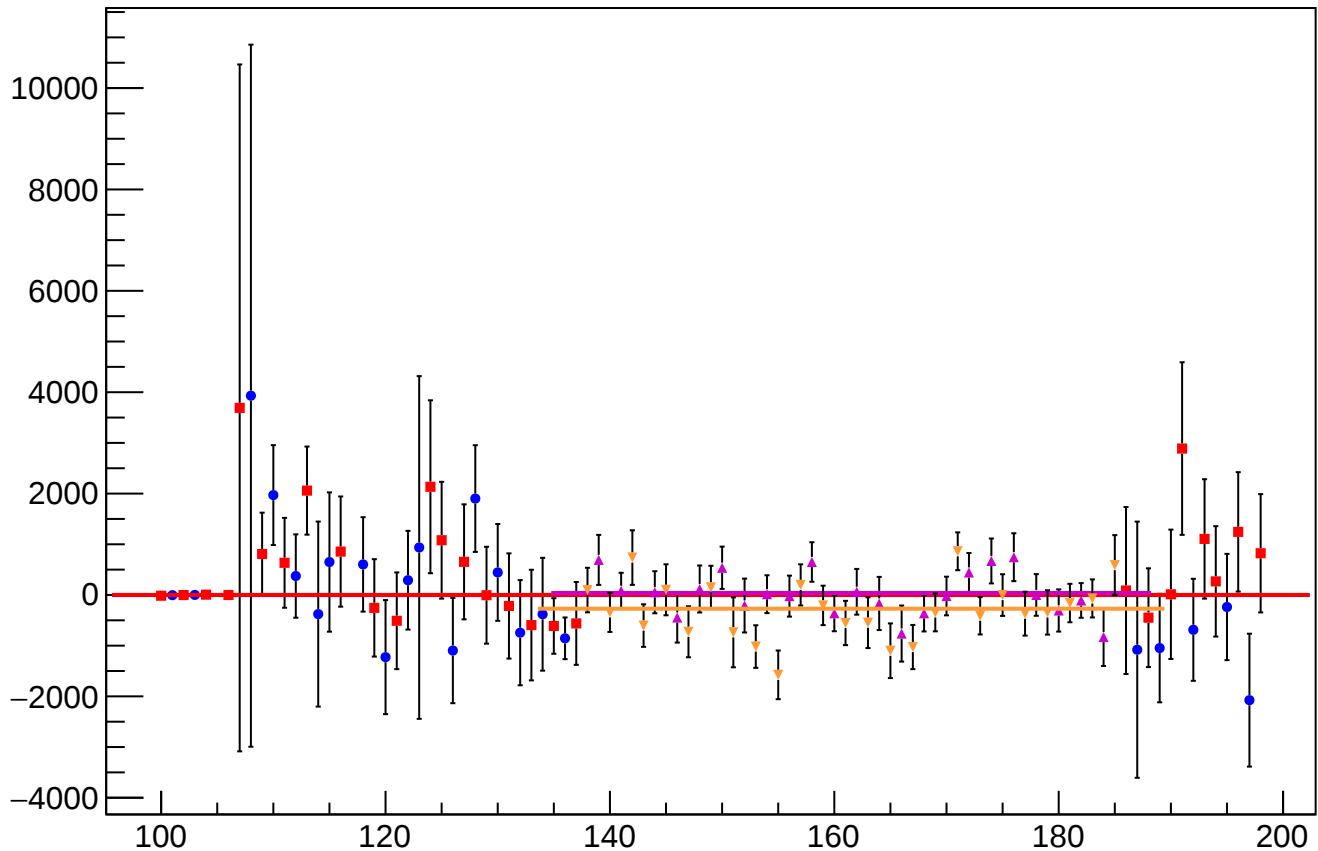
Right: 182.652+/-0.030 χ^2/NDF : 4500242.0/48

In: 184.505+/-0.026 χ^2/NDF : 3353555.0/44

Out: 192.406+/-0.026 χ^2/NDF : 4494825.4/51

All: 188.508+/-0.018 χ^2/NDF : 7894022.6/96

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.546 ± 2.251 χ^2/NDF : 21.6/21

Left Out: -270.969 ± 86.967 χ^2/NDF : 38.1/24

Right Out: 0.740 ± 2.111 χ^2/NDF : 24.8/26

Left In: 39.078 ± 87.769 χ^2/NDF : 20.3/22

Left: -117.369 ± 61.777 χ^2/NDF : 64.7/47

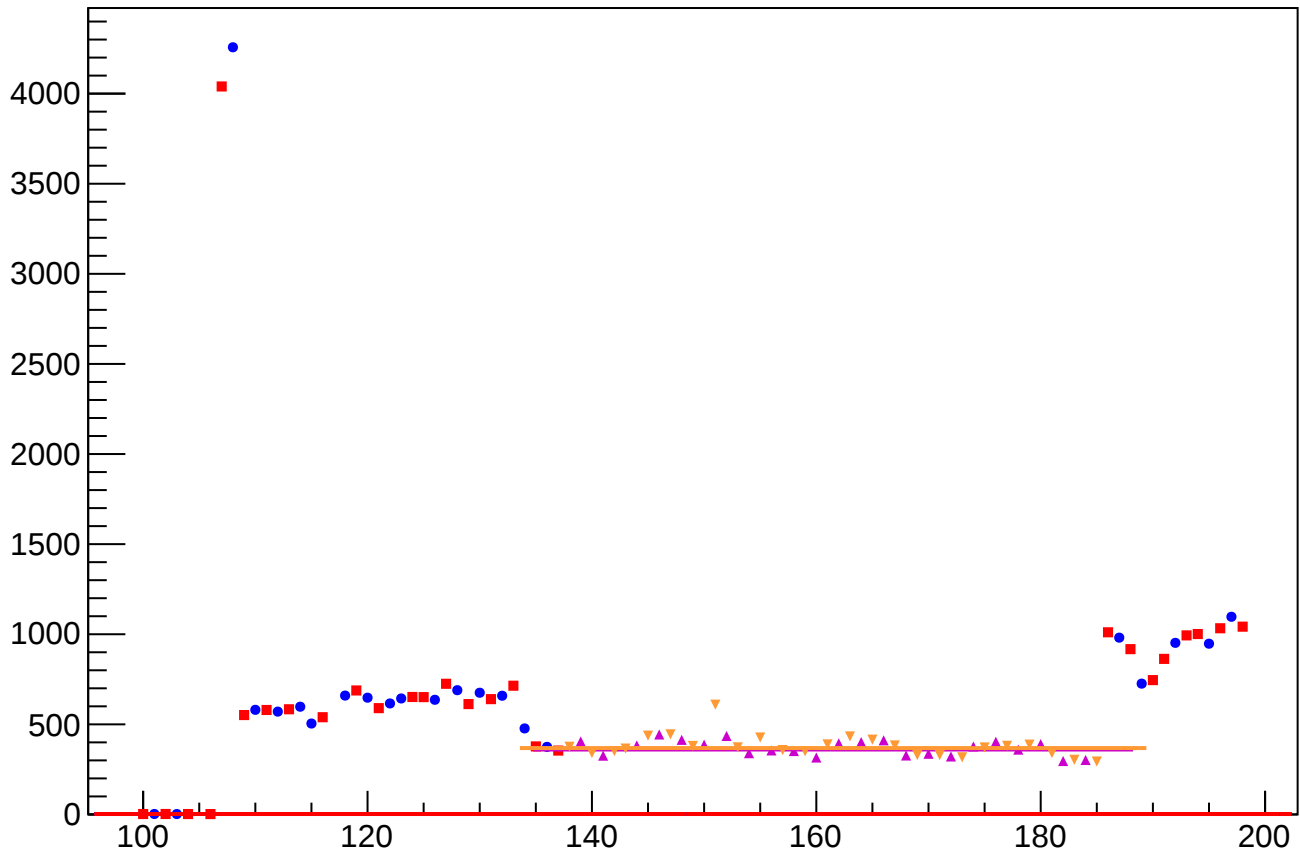
Right: -0.330 ± 1.540 χ^2/NDF : 46.9/48

In: -1.519 ± 2.251 χ^2/NDF : 42.0/44

Out: 0.580 ± 2.110 χ^2/NDF : 72.6/51

All: -0.402 ± 1.540 χ^2/NDF : 115.1/96

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.473+/-0.002 χ^2/NDF : 16823865.9/21

Left Out: 368.397+/-0.061 χ^2/NDF : 622466.1/24

Right Out: 2.460+/-0.001 χ^2/NDF : 21022762.3/26

Left In: 360.408+/-0.062 χ^2/NDF : 417739.4/22

Left: 364.439+/-0.044 χ^2/NDF : 1048566.0/47

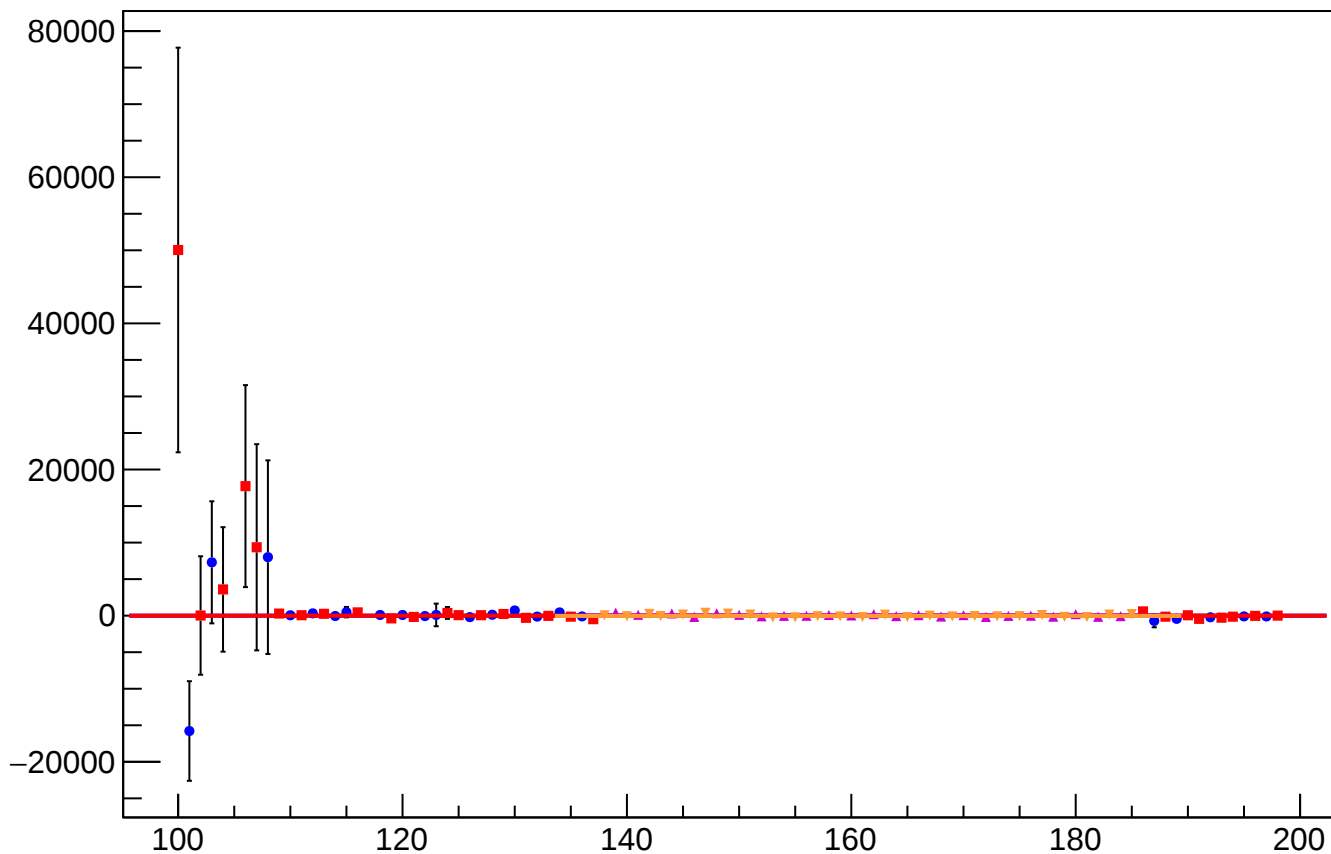
Right: 2.466+/-0.001 χ^2/NDF : 37846664.8/48

In: 2.708+/-0.002 χ^2/NDF : 50482059.5/44

Out: 2.675+/-0.001 χ^2/NDF : 57034846.3/51

All: 2.690+/-0.001 χ^2/NDF : 107517135.5/96

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: -0.426 ± 70.382 $\chi^2/\text{NDF}: 16.2/21$

Left Out: -38.013 ± 49.628 $\chi^2/\text{NDF}: 9.3/24$

Right Out: -1.313 ± 63.389 $\chi^2/\text{NDF}: 16.7/26$

Left In: 28.205 ± 48.167 $\chi^2/\text{NDF}: 9.2/22$

Left: -3.915 ± 34.564 $\chi^2/\text{NDF}: 19.4/47$

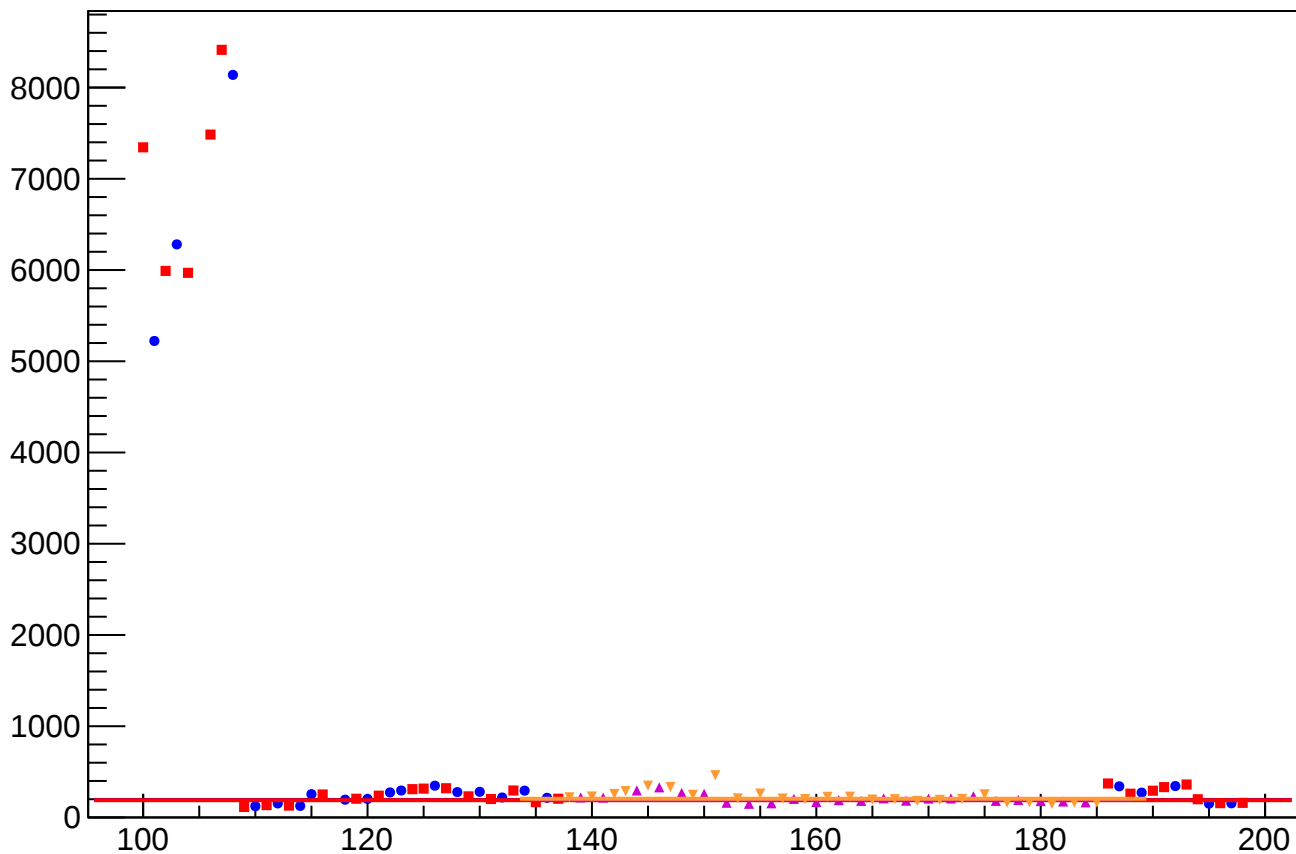
Right: -0.915 ± 47.102 $\chi^2/\text{NDF}: 32.8/48$

In: 19.073 ± 39.750 $\chi^2/\text{NDF}: 25.5/44$

Out: -24.066 ± 39.076 $\chi^2/\text{NDF}: 26.2/51$

All: -2.865 ± 27.866 $\chi^2/\text{NDF}: 52.2/96$

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 191.652 $\pm$ 0.050 χ^2 /NDF: 4398923.7/21

Left Out: 205.027 $\pm$ 0.035 χ^2 /NDF:1956045.1/24

Right Out: 189.216 $\pm$ 0.045 χ^2 /NDF: 5288839.2/26

Left In: 193.405 $\pm$ 0.034 χ^2 /NDF:1172169.3/22

Left: 199.042 $\pm$ 0.024 χ^2 /NDF: 3184695.4/47

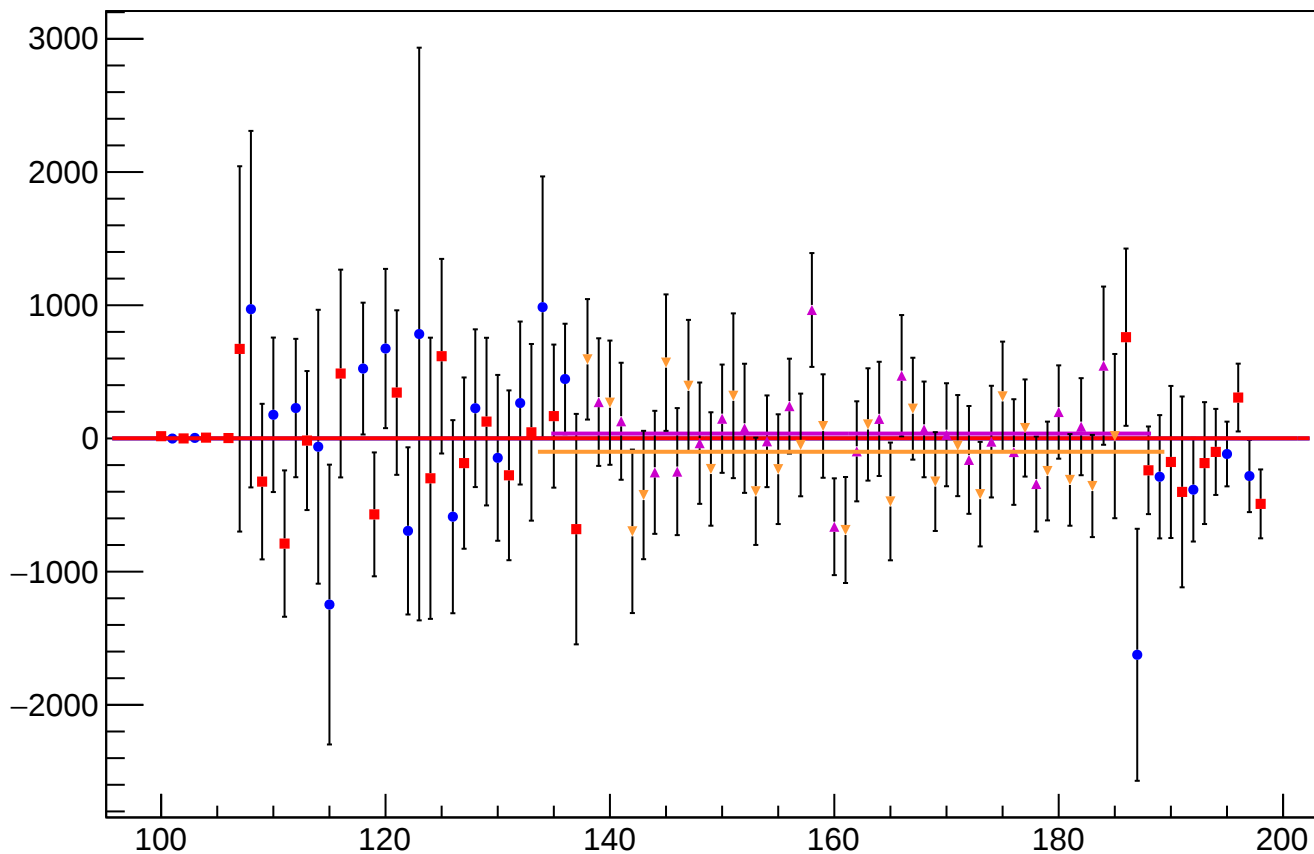
Right: 190.307 $\pm$ 0.033 χ^2 /NDF: 9689085.7/48

In: 192.846 $\pm$ 0.028 χ^2 /NDF:5571938.0/44

Out: 199.018 $\pm$ 0.028 χ^2 /NDF:7322030.8/51

All: 195.985 $\pm$ 0.020 χ^2 /NDF: 12918495.6/96

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.174 ± 1.736 χ^2/NDF : 15.7/21

Left Out: -100.058 ± 84.190 χ^2/NDF : 15.7/24

Right Out: 1.306 ± 1.622 χ^2/NDF : 17.0/26

Left In: 36.497 ± 84.675 χ^2/NDF : 13.5/22

Left: -32.173 ± 59.702 χ^2/NDF : 30.5/47

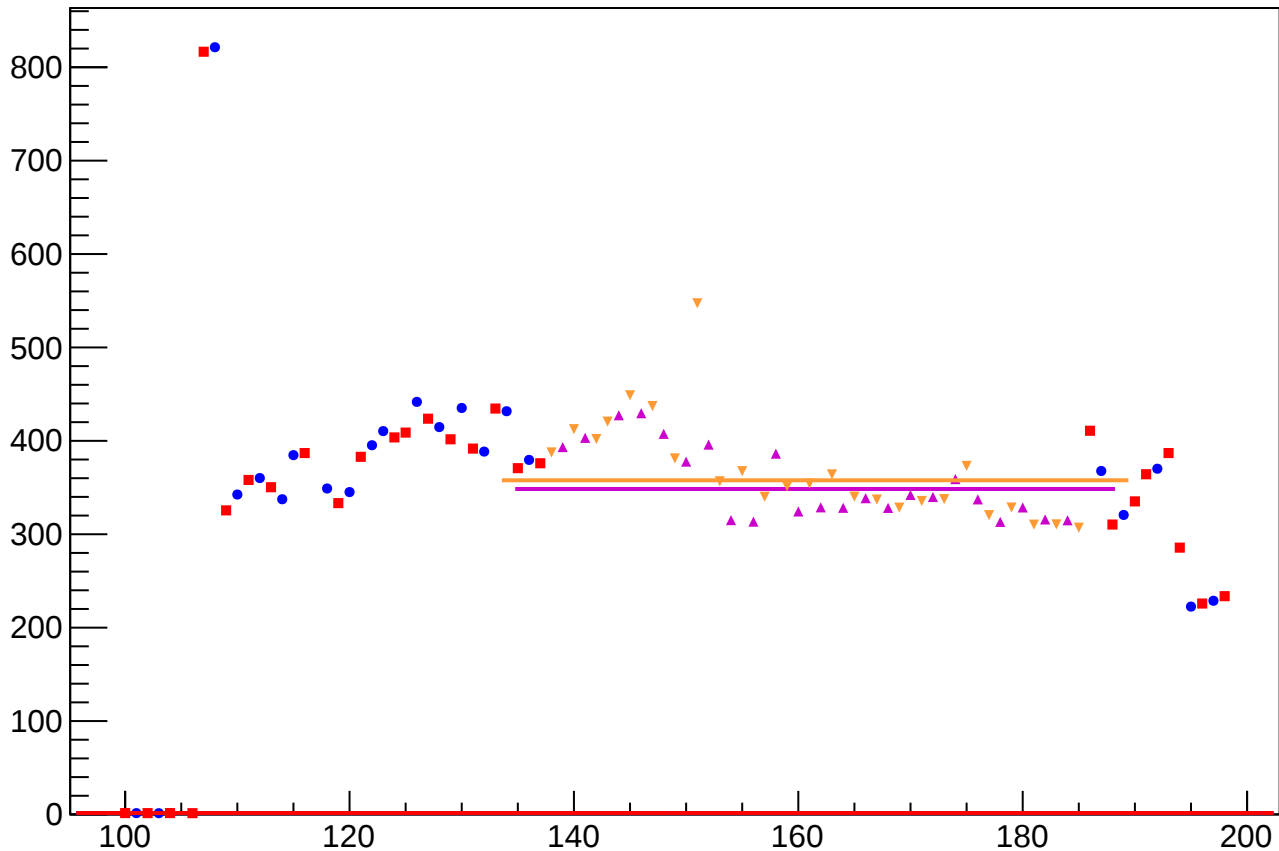
Right: 0.616 ± 1.186 χ^2/NDF : 33.0/48

In: -0.159 ± 1.736 χ^2/NDF : 29.4/44

Out: 1.268 ± 1.622 χ^2/NDF : 34.1/51

All: 0.603 ± 1.185 χ^2/NDF : 63.9/96

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.486+/-0.001 χ^2/NDF : 17024820.9/21

Left Out: 357.771+/-0.060 χ^2/NDF : 547124.8/24

Right Out: 1.496+/-0.001 χ^2/NDF : 20689710.8/26

Left In: 348.464+/-0.060 χ^2/NDF : 360425.7/22

Left: 353.145+/-0.042 χ^2/NDF : 919701.2/47

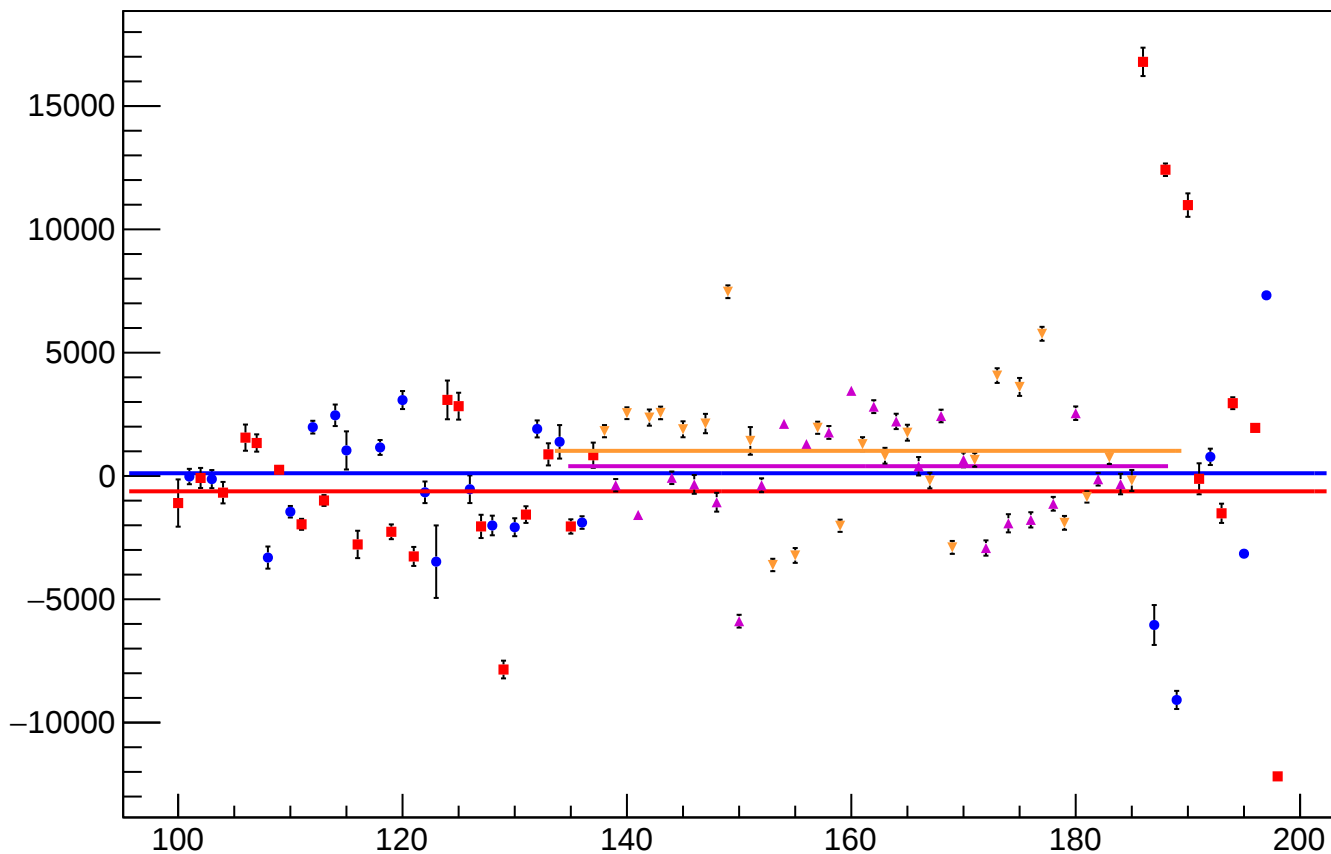
Right: 1.491+/-0.001 χ^2/NDF : 37714562.9/48

In: 1.632+/-0.001 χ^2/NDF : 50954161.4/44

Out: 1.628+/-0.001 χ^2/NDF : 57040044.2/51

All: 1.630+/-0.001 χ^2/NDF : 107994211.9/96

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: 110.427+/-69.510 χ^2/NDF : 2884.2/21

Left Out: 1018.965+/-57.402 χ^2/NDF : 2310.1/24

Right Out: -622.896+/-60.523 χ^2/NDF : 9443.1/26

Left In: 396.609+/-55.090 χ^2/NDF : 1581.0/22

Left: 695.002+/-39.747 χ^2/NDF : 3952.3/47

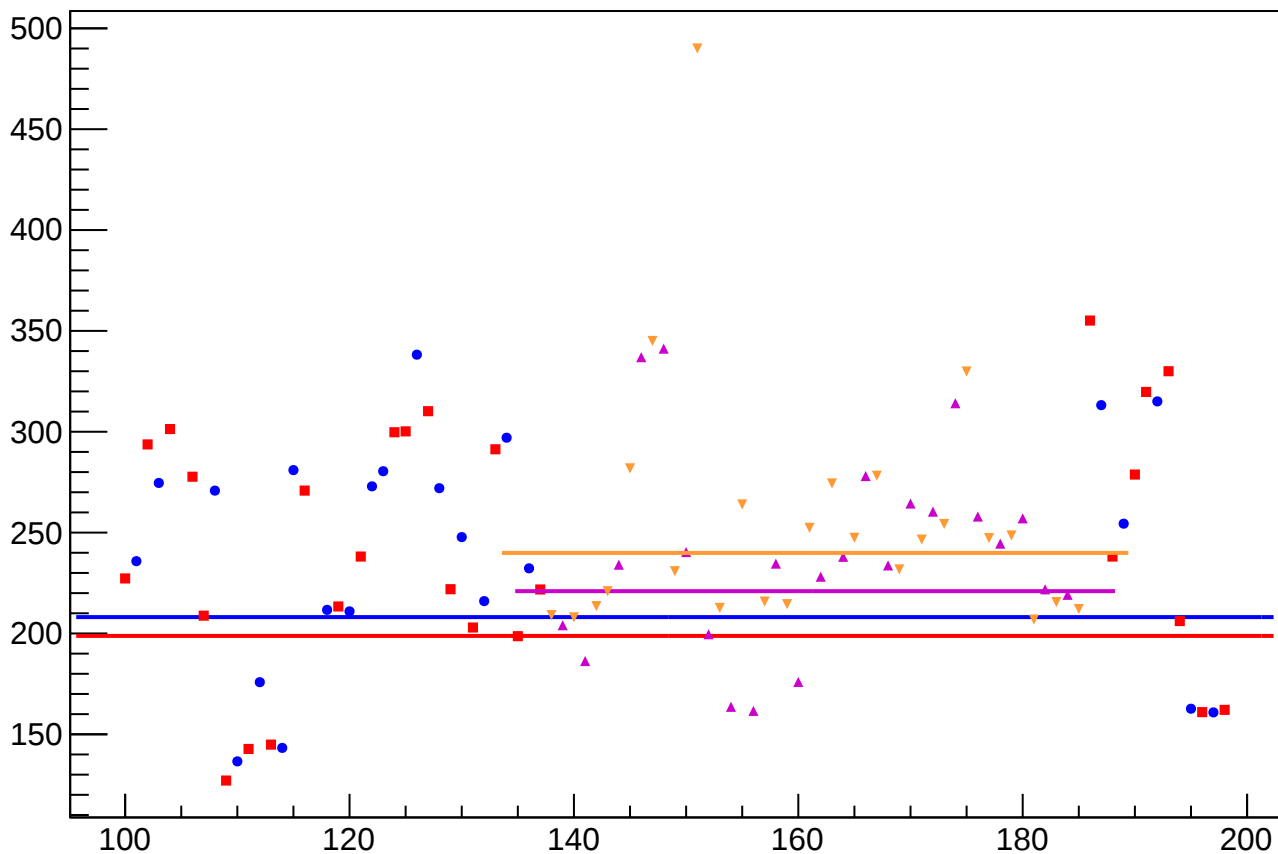
Right: -306.679+/-45.645 χ^2/NDF : 12390.6/48

In: 286.201+/-43.175 χ^2/NDF : 4475.7/44

Out: 241.455+/-41.649 χ^2/NDF : 12140.6/51

All: 263.023+/-29.975 χ^2/NDF : 16616.9/96

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 208.110 $\pm$ 0.049 χ^2/NDF : 1212247.2/21

Left Out: 239.942 $\pm$ 0.041 χ^2/NDF :1000770.0/24

Right Out: 198.785 $\pm$ 0.043 χ^2/NDF : 1914938.5/26

Left In: 220.972 $\pm$ 0.039 χ^2/NDF :1327680.6/22

Left: 230.067 $\pm$ 0.028 χ^2/NDF : 2442154.9/47

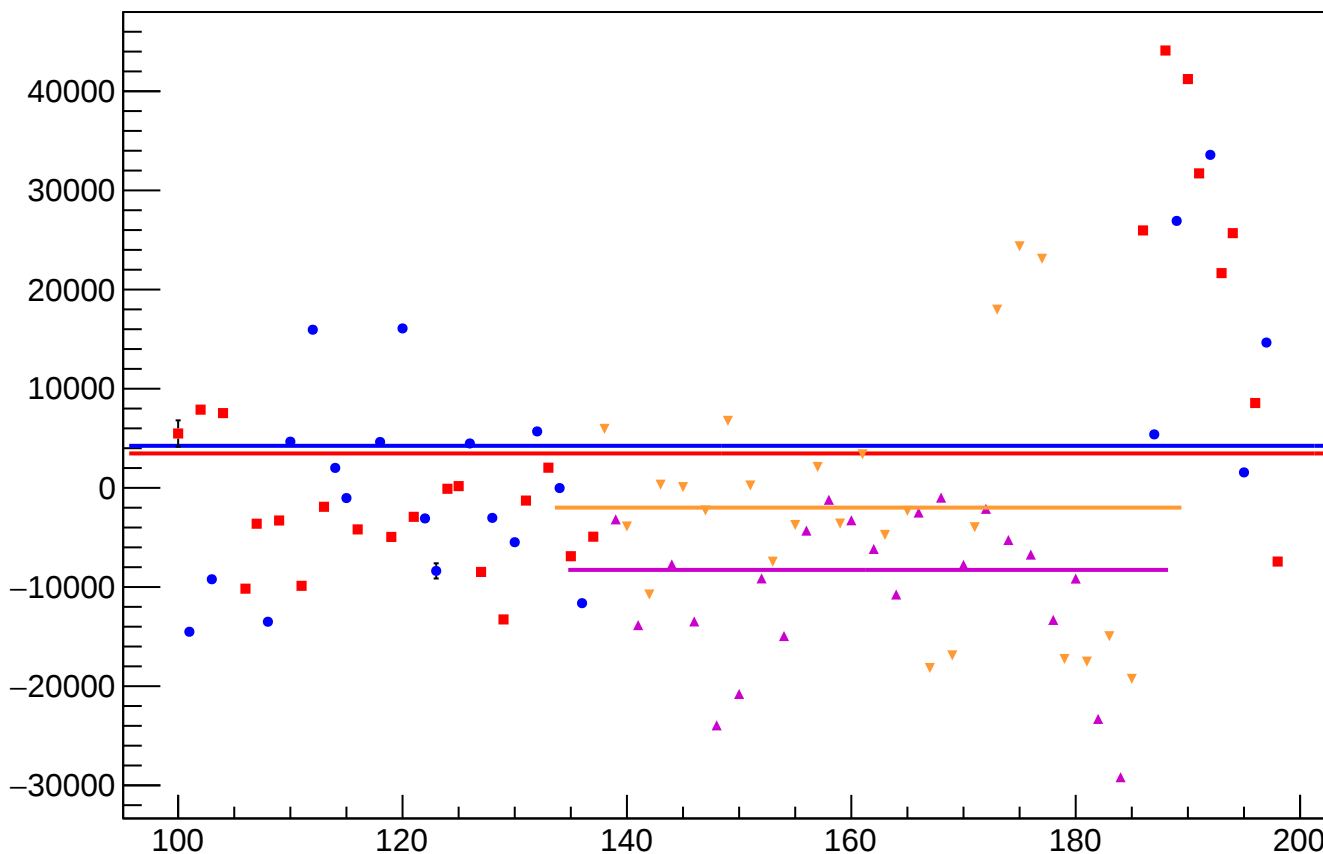
Right: 202.806 $\pm$ 0.032 χ^2/NDF : 3147659.0/48

In: 216.010 $\pm$ 0.031 χ^2/NDF :2581985.4/44

Out: 220.452 $\pm$ 0.029 χ^2/NDF :3402602.9/51

All: 218.310 $\pm$ 0.021 χ^2/NDF : 5995555.0/96

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 4240.789+/-48.060 χ^2/NDF : 70934.3/21

Left Out: -1991.788+/-42.427 χ^2/NDF : 63766.6/24

Right Out: 3471.578+/-43.661 χ^2/NDF : 130291.2/26

Left In: -8273.228+/-44.301 χ^2/NDF : 22870.2/22

Left: -4996.810+/-30.641 χ^2/NDF : 97123.2/47

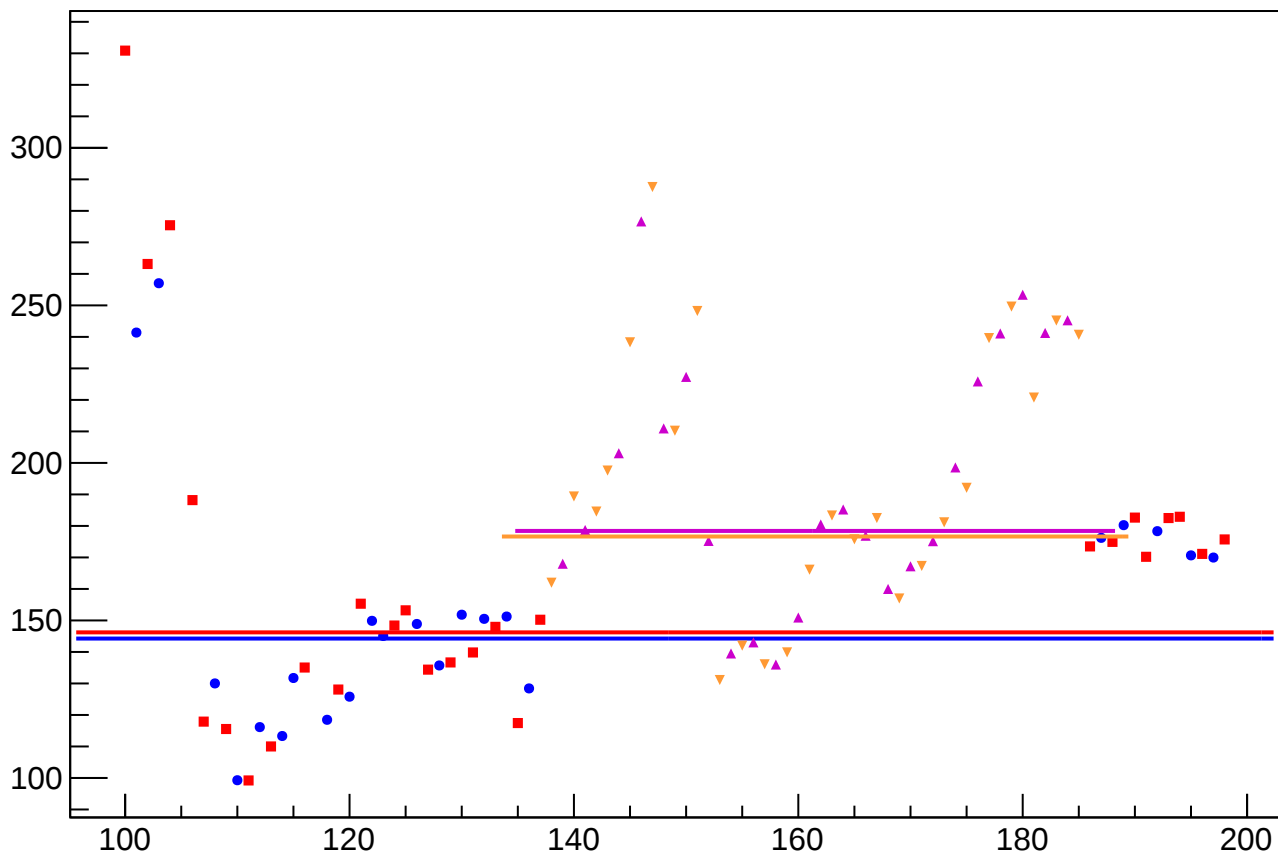
Right: 3819.372+/-32.317 χ^2/NDF : 201365.9/48

In: -2524.718+/-32.574 χ^2/NDF : 130458.5/44

Out: 661.591+/-30.427 χ^2/NDF : 202111.2/51

All: -823.127+/-22.235 χ^2/NDF : 337679.6/96

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 144.251 ± 0.034 χ^2/NDF : 899396.0/21

Left Out: 176.641 ± 0.030 χ^2/NDF : 1551048.8/24

Right Out: 146.215 ± 0.031 χ^2/NDF : 1270197.5/26

Left In: 178.413 ± 0.031 χ^2/NDF : 1293736.2/22

Left: 177.489 ± 0.022 χ^2/NDF : 2846455.0/47

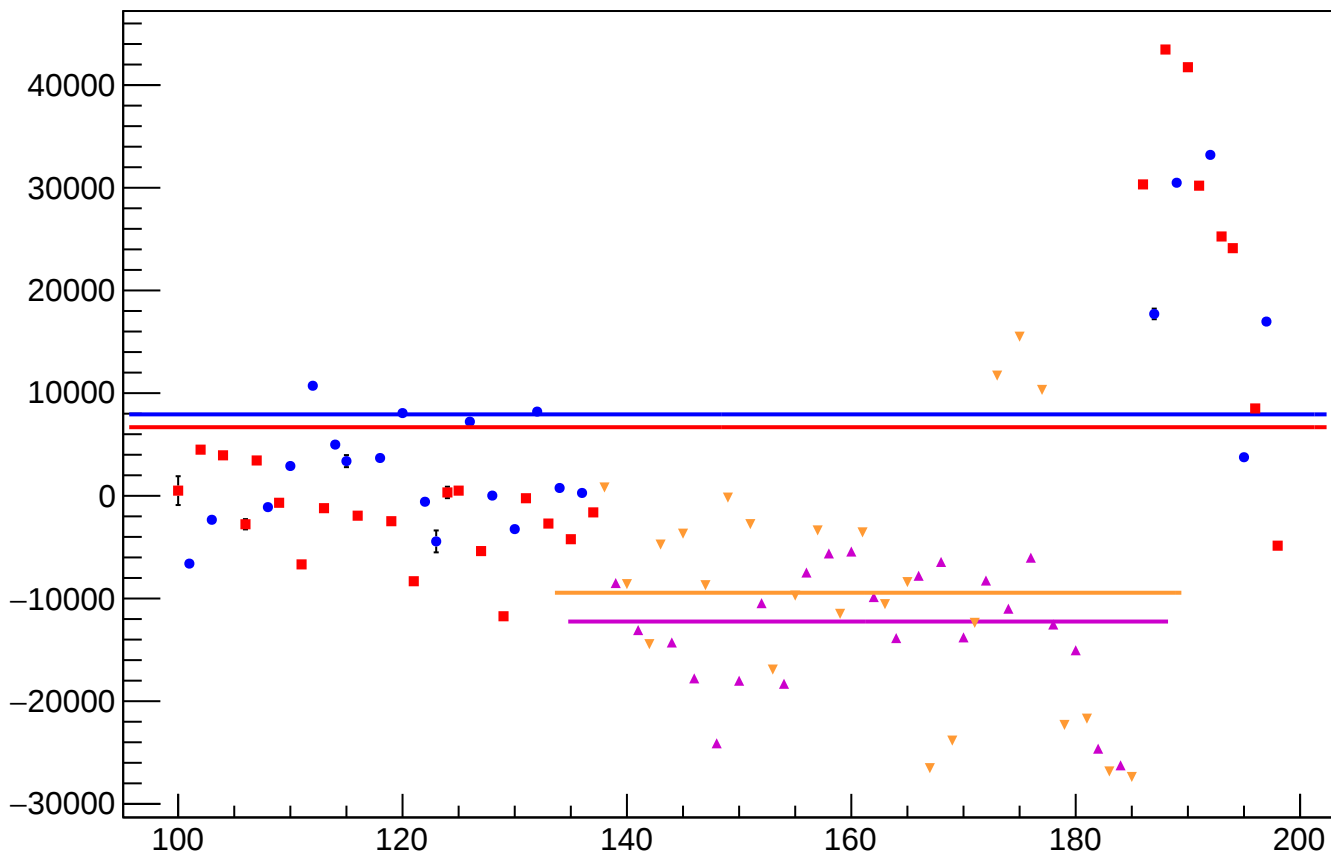
Right: 145.327 ± 0.023 χ^2/NDF : 2171422.7/48

In: 162.720 ± 0.023 χ^2/NDF : 2739449.1/44

Out: 161.864 ± 0.022 χ^2/NDF : 3320789.1/51

All: 162.263 ± 0.016 χ^2/NDF : 6060976.7/96

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 7932.653+/-58.102 χ^2/NDF : 33338.7/21

Left Out: -9437.408+/-45.534 χ^2/NDF : 62220.4/24

Right Out: 6682.746+/-51.116 χ^2/NDF : 100329.4/26

Left In: -12242.226+/-43.944 χ^2/NDF : 16615.8/22

Left: -10889.638+/-31.621 χ^2/NDF : 80800.7/47

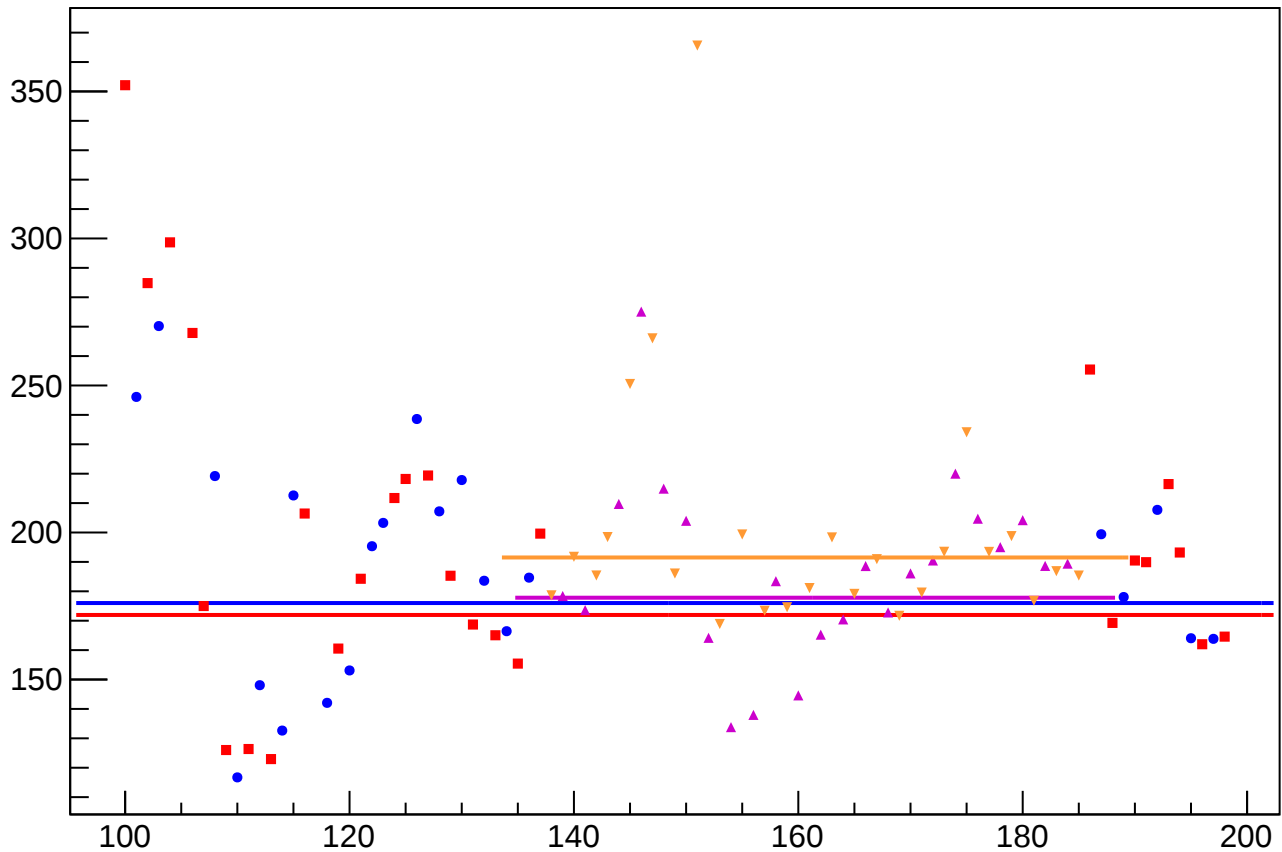
Right: 7228.072+/-38.378 χ^2/NDF : 133928.9/48

In: -4901.001+/-35.049 χ^2/NDF : 126650.3/44

Out: -2305.207+/-34.000 χ^2/NDF : 218001.4/51

All: -3563.701+/-24.404 χ^2/NDF : 347477.6/9

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 176.010 $\pm$ 0.041 χ^2 /NDF: 750925.5/21

Left Out: 191.507 $\pm$ 0.032 χ^2 /NDF: 727251.6/24

Right Out: 171.955 $\pm$ 0.036 χ^2 /NDF: 1123366.7/26

Left In: 177.821 $\pm$ 0.031 χ^2 /NDF: 862494.4/22

Left: 184.421 $\pm$ 0.022 χ^2 /NDF: 1683284.8/47

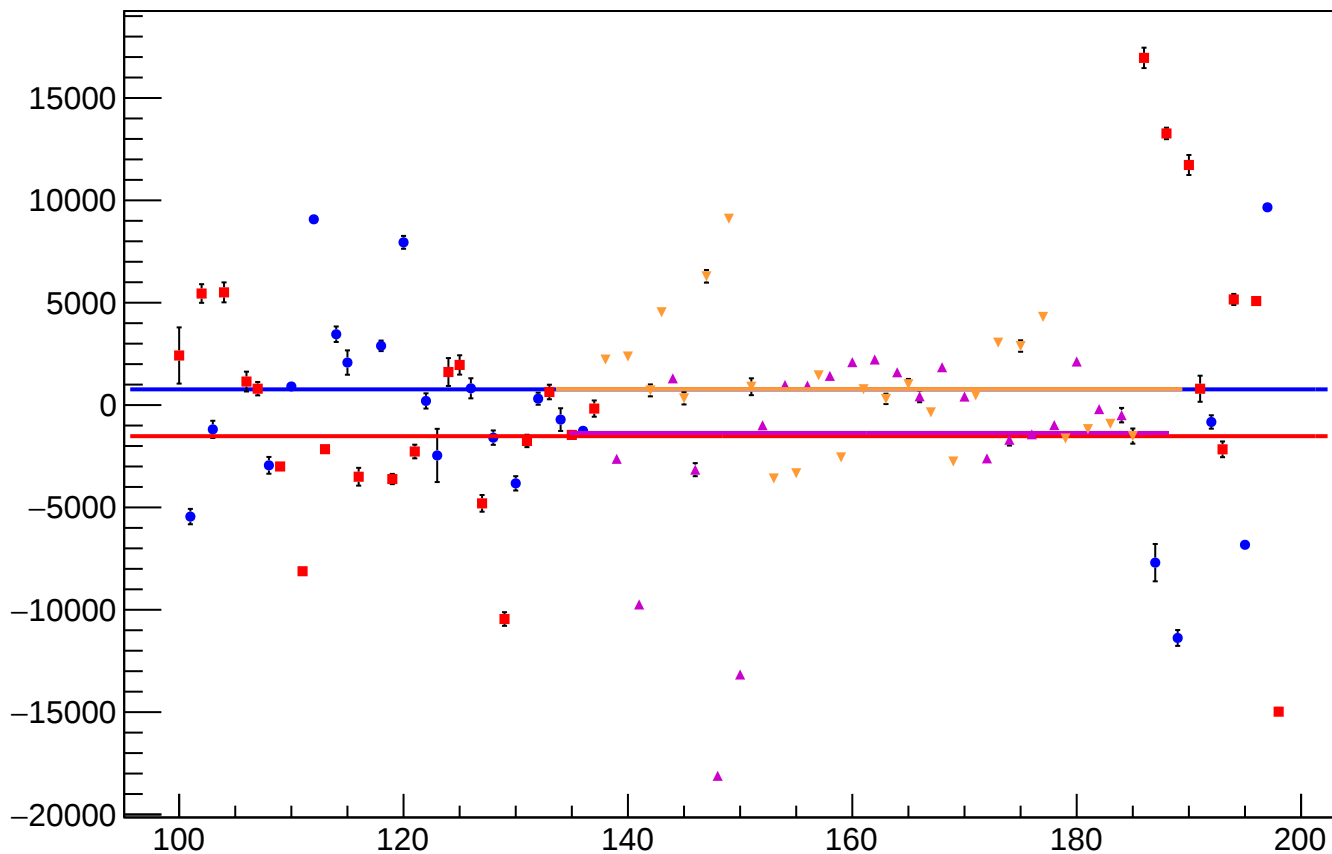
Right: 173.724 $\pm$ 0.027 χ^2 /NDF: 1879784.3/48

In: 177.162 $\pm$ 0.025 χ^2 /NDF: 1614656.1/44

Out: 182.856 $\pm$ 0.024 χ^2 /NDF: 2013763.5/51

All: 180.096 $\pm$ 0.017 χ^2 /NDF: 3655612.7/96

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 767.204 $\pm$ 65.545 χ^2 /NDF: 7071.7/21

Left Out: 779.983 $\pm$ 47.457 χ^2 /NDF:4260.8/24

Right Out: -1519.582 $\pm$ 57.980 χ^2 /NDF: 13834.7/26

Left In: -1363.043 $\pm$ 45.807 χ^2 /NDF:11632.9/22

Left: -329.448 $\pm$ 32.958 χ^2 /NDF: 16949.3/47

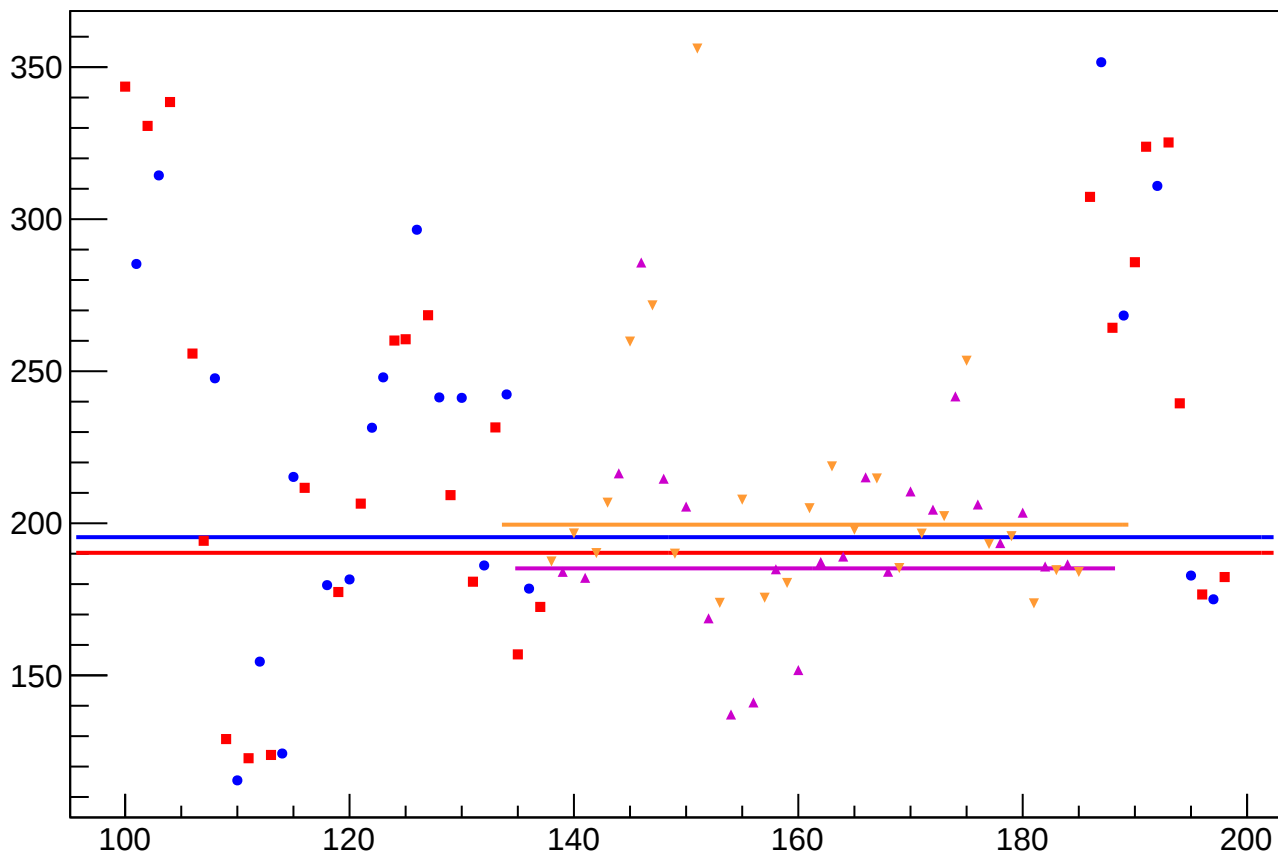
Right: -515.712 $\pm$ 43.428 χ^2 /NDF: 21589.4/48

In: -664.031 $\pm$ 37.546 χ^2 /NDF:19414.3/44

Out: -142.558 $\pm$ 36.724 χ^2 /NDF:19037.4/51

All: -397.521 $\pm$ 26.254 χ^2 /NDF: 38550.3/96

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 195.435 ± 0.046 $\chi^2/\text{NDF}: 1394457.9/21$

Left Out: 199.547 ± 0.034 $\chi^2/\text{NDF}: 729356.3/24$

Right Out: 190.288 ± 0.041 $\chi^2/\text{NDF}: 2127451.8/26$

Left In: 185.171 ± 0.032 $\chi^2/\text{NDF}: 882752.2/22$

Left: 192.104 ± 0.023 $\chi^2/\text{NDF}: 1707122.0/47$

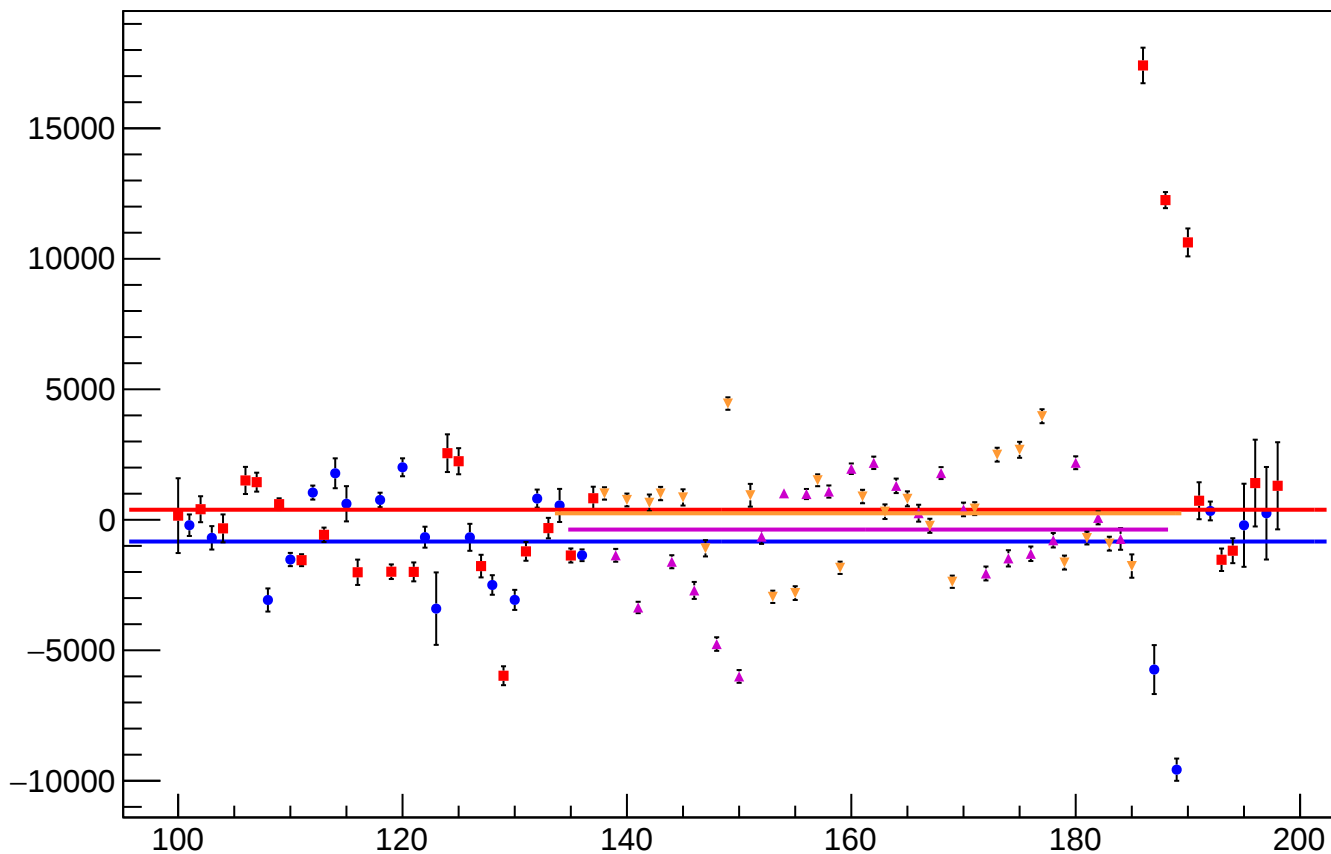
Right: 192.547 ± 0.031 $\chi^2/\text{NDF}: 3528828.6/48$

In: 188.539 ± 0.027 $\chi^2/\text{NDF}: 2310162.6/44$

Out: 195.832 ± 0.026 $\chi^2/\text{NDF}: 2887349.2/51$

All: 192.266 ± 0.019 $\chi^2/\text{NDF}: 5236082.7/96$

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -832.754 ± 83.944 $\chi^2/\text{NDF}: 760.0/21$

Left Out: 247.844 ± 53.555 $\chi^2/\text{NDF}: 1355.1/24$

Right Out: 385.536 ± 75.263 $\chi^2/\text{NDF}: 3162.5/26$

Left In: -374.122 ± 52.049 $\chi^2/\text{NDF}: 1801.0/22$

Left: -72.006 ± 37.325 $\chi^2/\text{NDF}: 3225.5/47$

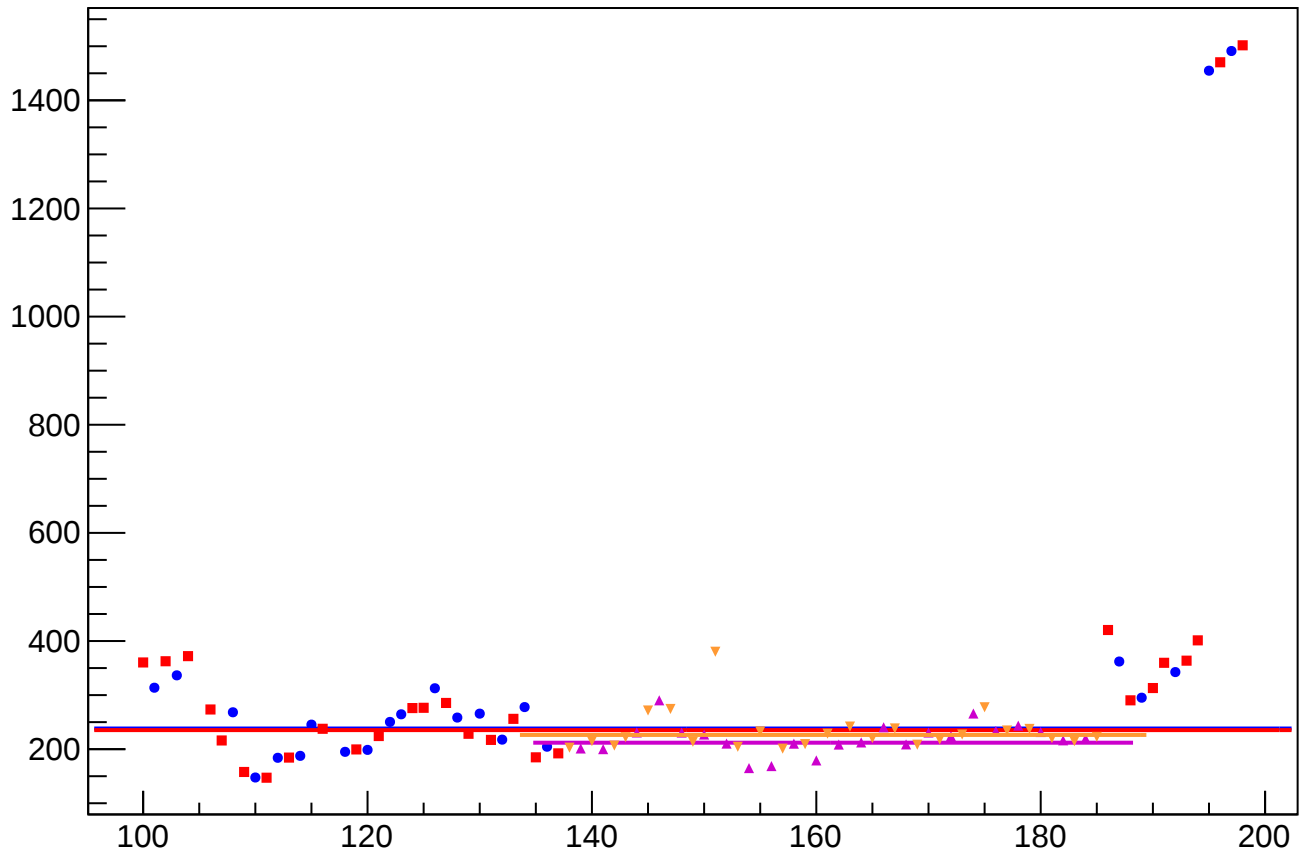
Right: -157.374 ± 56.038 $\chi^2/\text{NDF}: 4039.2/48$

In: -501.481 ± 44.236 $\chi^2/\text{NDF}: 2582.6/44$

Out: 294.127 ± 43.635 $\chi^2/\text{NDF}: 4519.8/51$

All: -98.241 ± 31.065 $\chi^2/\text{NDF}: 7266.3/96$

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 238.192 $\pm$ 0.059 χ^2 /NDF: 3123082.0/21

Left Out: 226.322 $\pm$ 0.038 χ^2 /NDF: 521041.8/24

Right Out: 235.260 $\pm$ 0.053 χ^2 /NDF: 4067046.2/26

Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

Left: 218.941 $\pm$ 0.026 χ^2 /NDF: 1179246.7/47

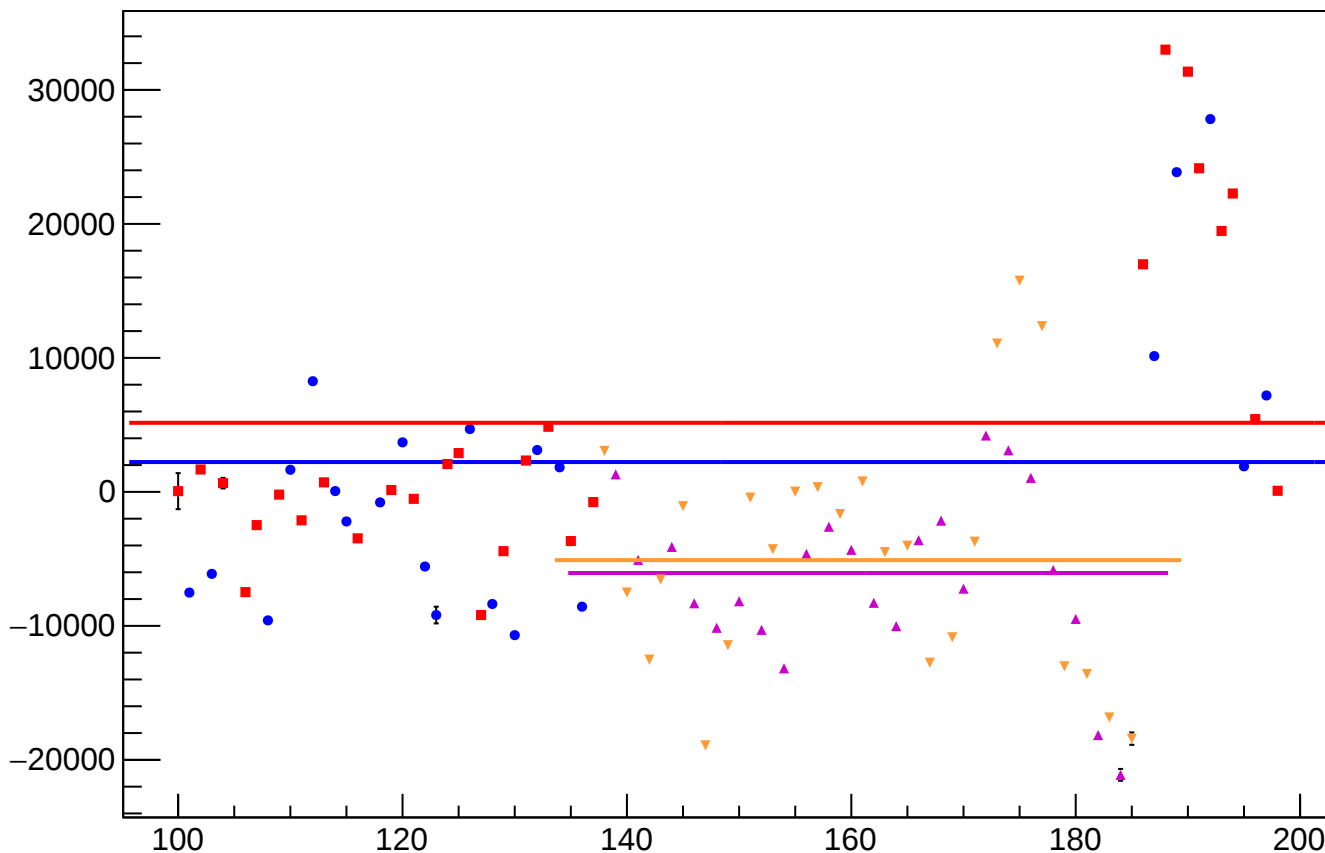
Right: 236.567 $\pm$ 0.040 χ^2 /NDF: 7191480.5/48

In: 219.252 $\pm$ 0.031 χ^2 /NDF: 3848385.0/44

Out: 229.326 $\pm$ 0.031 χ^2 /NDF: 4606815.0/51

All: 224.358 $\pm$ 0.022 χ^2 /NDF: 8507777.3/96

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 2226.329+/-40.889 χ^2/NDF : 67216.7/21

Left Out: -5095.305+/-33.703 χ^2/NDF : 54395.4/24

Right Out: 5155.853+/-36.799 χ^2/NDF : 100652.6/26

Left In: -6053.569+/-34.998 χ^2/NDF : 17590.3/22

Left: -5556.386+/-24.277 χ^2/NDF : 72374.6/47

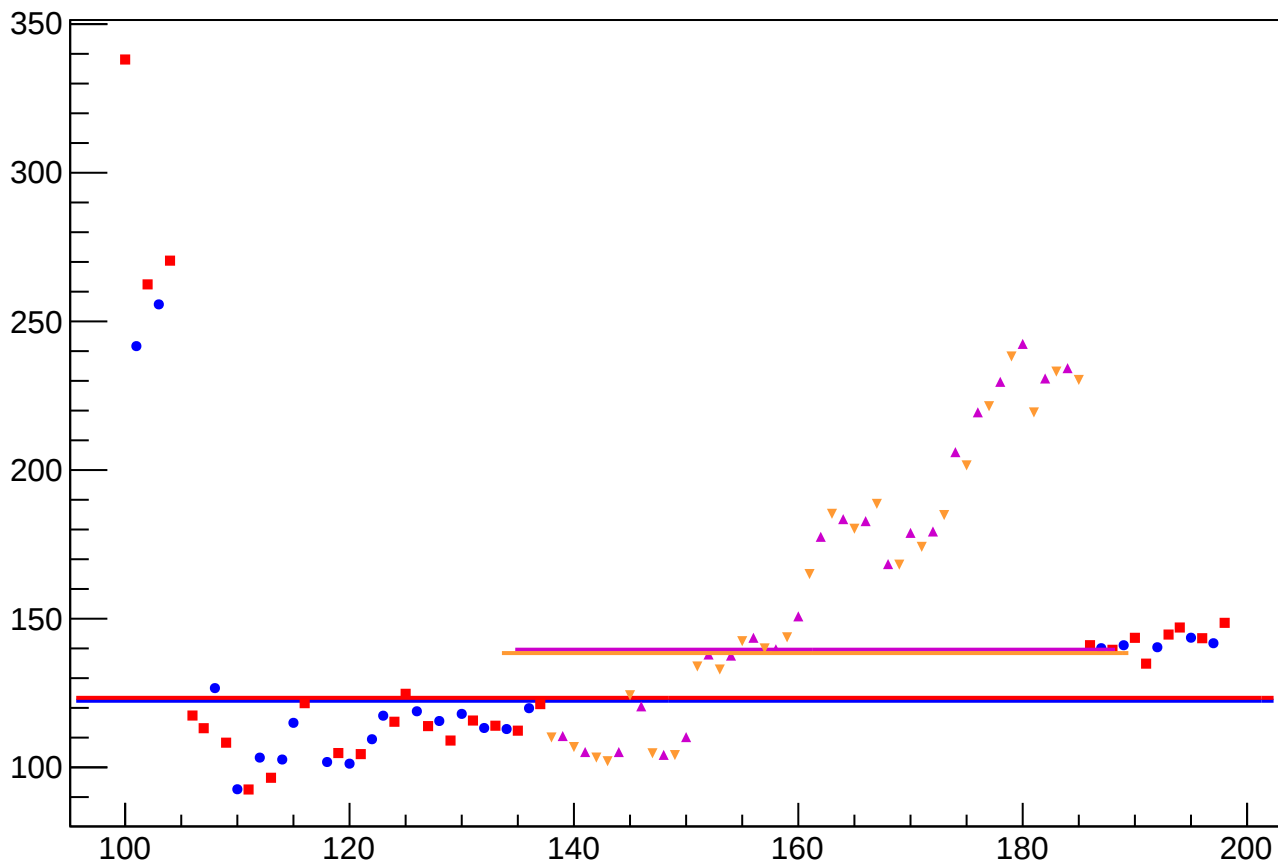
Right: 3844.919+/-27.353 χ^2/NDF : 170705.3/48

In: -2552.565+/-26.589 χ^2/NDF : 108473.3/44

Out: -418.921+/-24.854 χ^2/NDF : 197250.1/51

All: -1413.894+/-18.157 χ^2/NDF : 309159.9/99

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 122.395+/-0.029 χ^2/NDF : 896815.7/21

Left Out: 138.436+/-0.024 χ^2/NDF : 2549435.8/24

Right Out: 123.385+/-0.026 χ^2/NDF : 1099476.3/26

Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

Left: 138.985+/-0.017 χ^2/NDF : 4964199.7/47

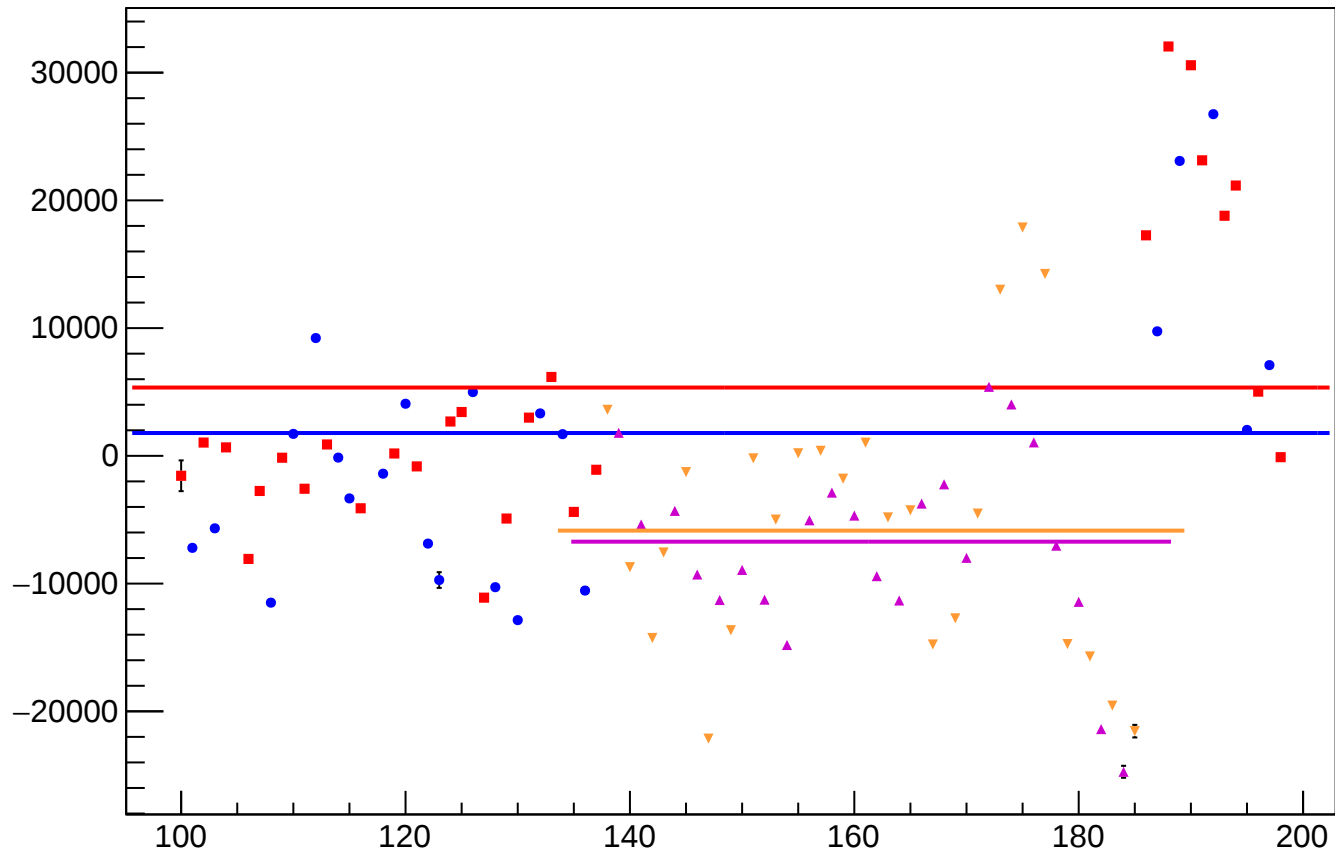
Right: 122.942+/-0.019 χ^2/NDF : 1996939.4/48

In: 132.312+/-0.019 χ^2/NDF : 3514313.2/44

Out: 131.570+/-0.018 χ^2/NDF : 3830856.8/51

All: 131.916+/-0.013 χ^2/NDF : 7346002.6/96

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 1787.948+/-41.346

χ^2/NDF : 72353.3/21

Left: -6268.993+/-25.850

χ^2/NDF : 84625.8/47

Left Out: -5852.544+/-35.880

χ^2/NDF : 63411.4/24

Right: 3752.360+/-27.680

χ^2/NDF : 177546.3/48

Right Out: 5347.935+/-37.263

χ^2/NDF : 101102.3/26

In: -2904.512+/-27.685

χ^2/NDF : 116636.9/44

Out: -464.059+/-25.846

χ^2/NDF : 211395.5/51

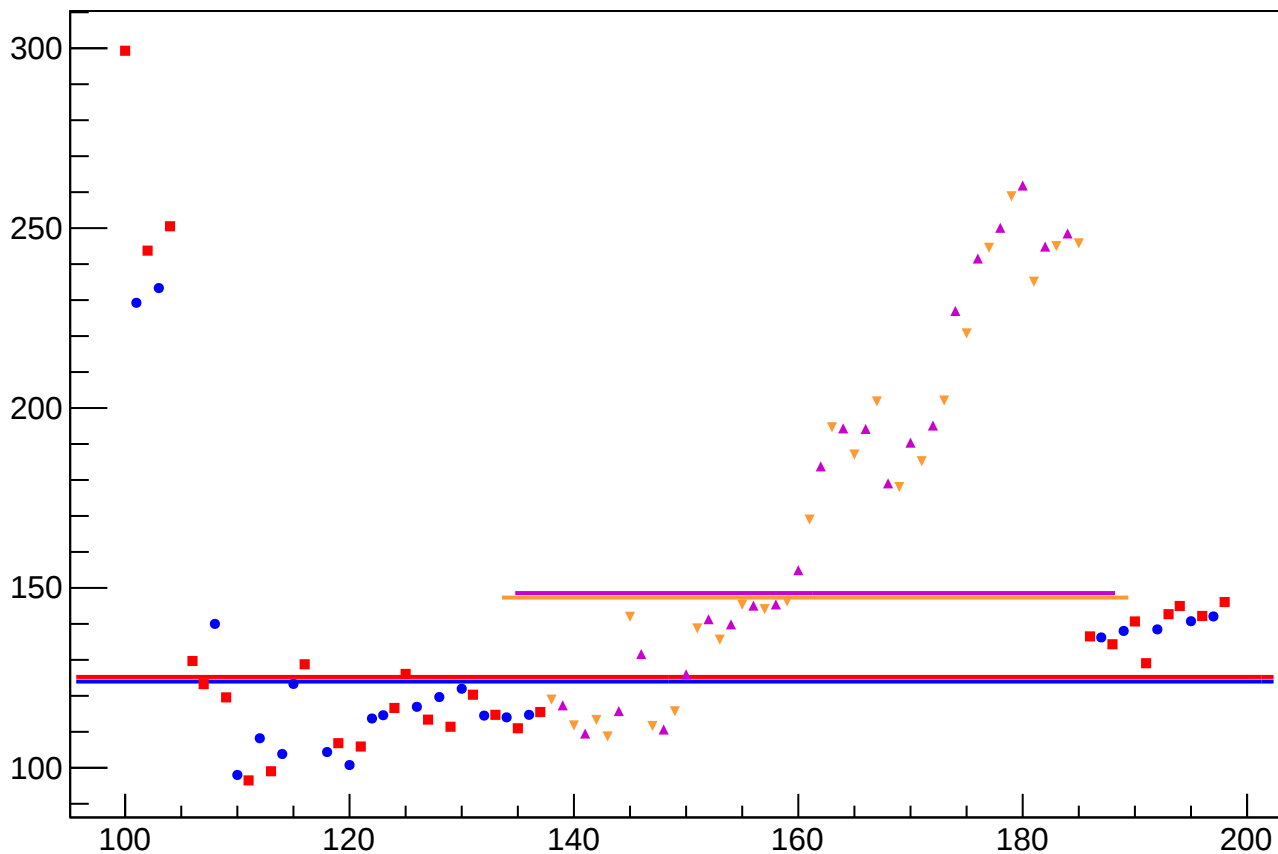
Left In: -6718.475+/-37.276

χ^2/NDF : 20934.3/22

All: -1600.528+/-18.893

χ^2/NDF : 332184.2/9

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 123.976+/-0.029 χ^2/NDF : 743847.3/21

Left Out: 147.317+/-0.025 χ^2/NDF : 2511679.9/24

Right Out: 125.261+/-0.026 χ^2/NDF : 883999.2/26

Left In: 148.569+/-0.026 χ^2/NDF : 2393185.0/22

Left: 147.919+/-0.018 χ^2/NDF : 4906034.9/47

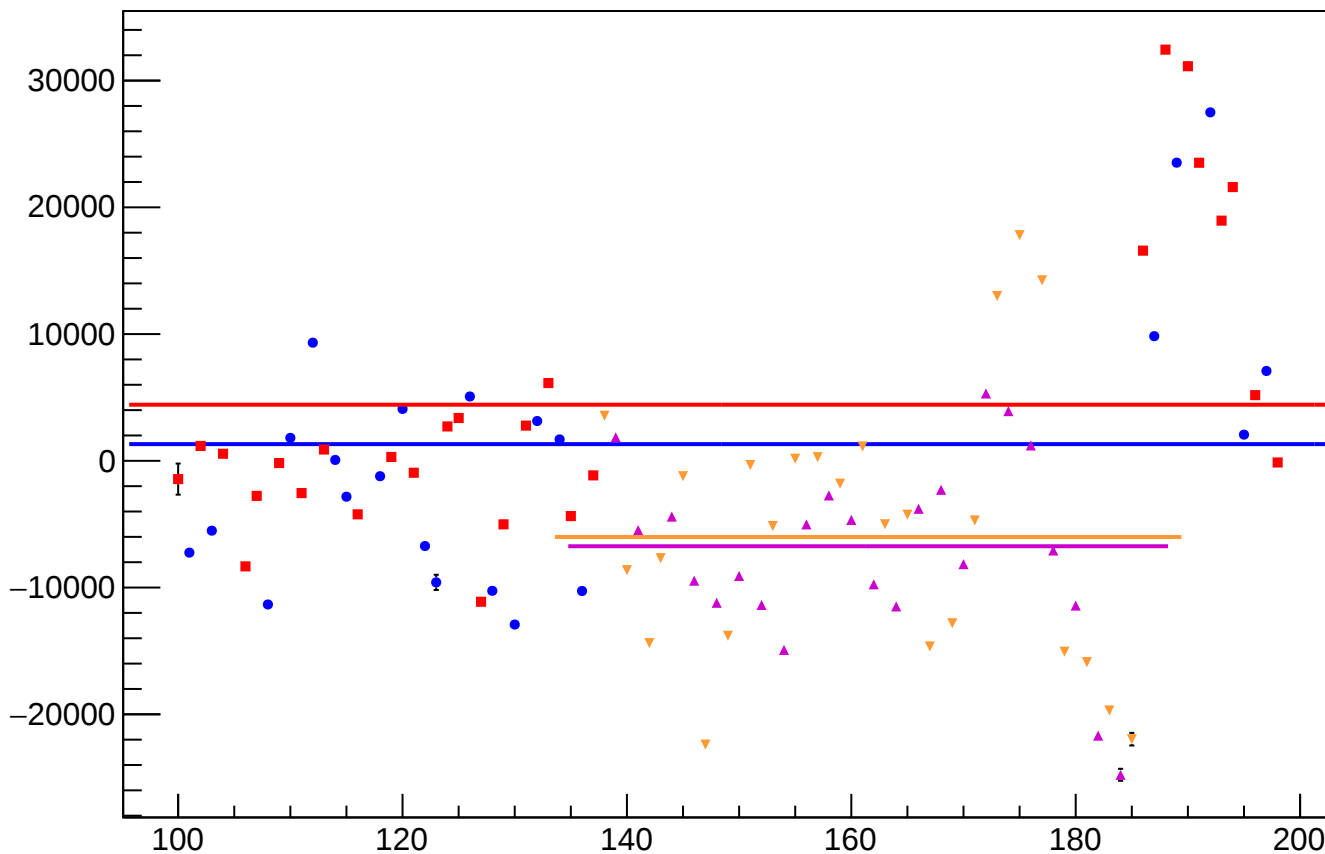
Right: 124.685+/-0.020 χ^2/NDF : 1628913.6/48

In: 137.542+/-0.020 χ^2/NDF : 3527358.9/44

Out: 136.706+/-0.018 χ^2/NDF : 3759264.4/51

All: 137.095+/-0.013 χ^2/NDF : 7287597.2/96

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 1316.465+/-40.484 χ^2/NDF : 71130.5/21

Left Out: -6009.913+/-35.082 χ^2/NDF :67852.2/24

Right Out: 4427.035+/-36.808 χ^2/NDF : 95764.9/26

Left In: -6740.666+/-36.379 χ^2/NDF :22071.8/22

Left: -6362.031+/-25.253 χ^2/NDF : 90133.1/47

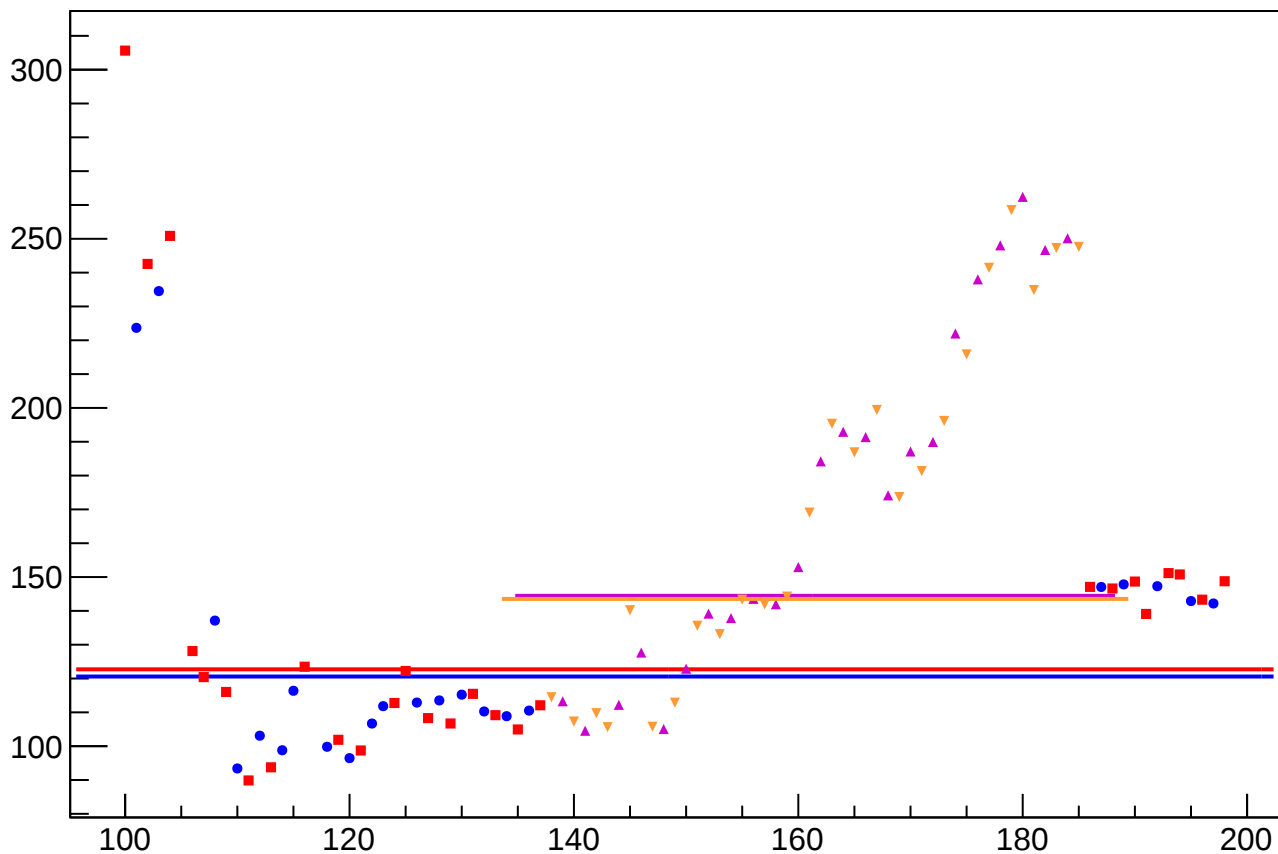
Right: 3019.340+/-27.234 χ^2/NDF : 170127.3/48

In: -3141.113+/-27.059 χ^2/NDF :115116.2/44

Out: -1041.837+/-25.395 χ^2/NDF :205746.4/51

All: -2024.946+/-18.517 χ^2/NDF : 324062.7/9

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 120.595+/-0.029 χ^2/NDF : 909166.6/21

Left Out: 143.531+/-0.025 χ^2/NDF : 2704790.3/24

Right Out: 122.724+/-0.026 χ^2/NDF : 1180747.8/26

Left In: 144.440+/-0.026 χ^2/NDF : 2586926.1/22

Left: 143.969+/-0.018 χ^2/NDF : 5292363.3/47

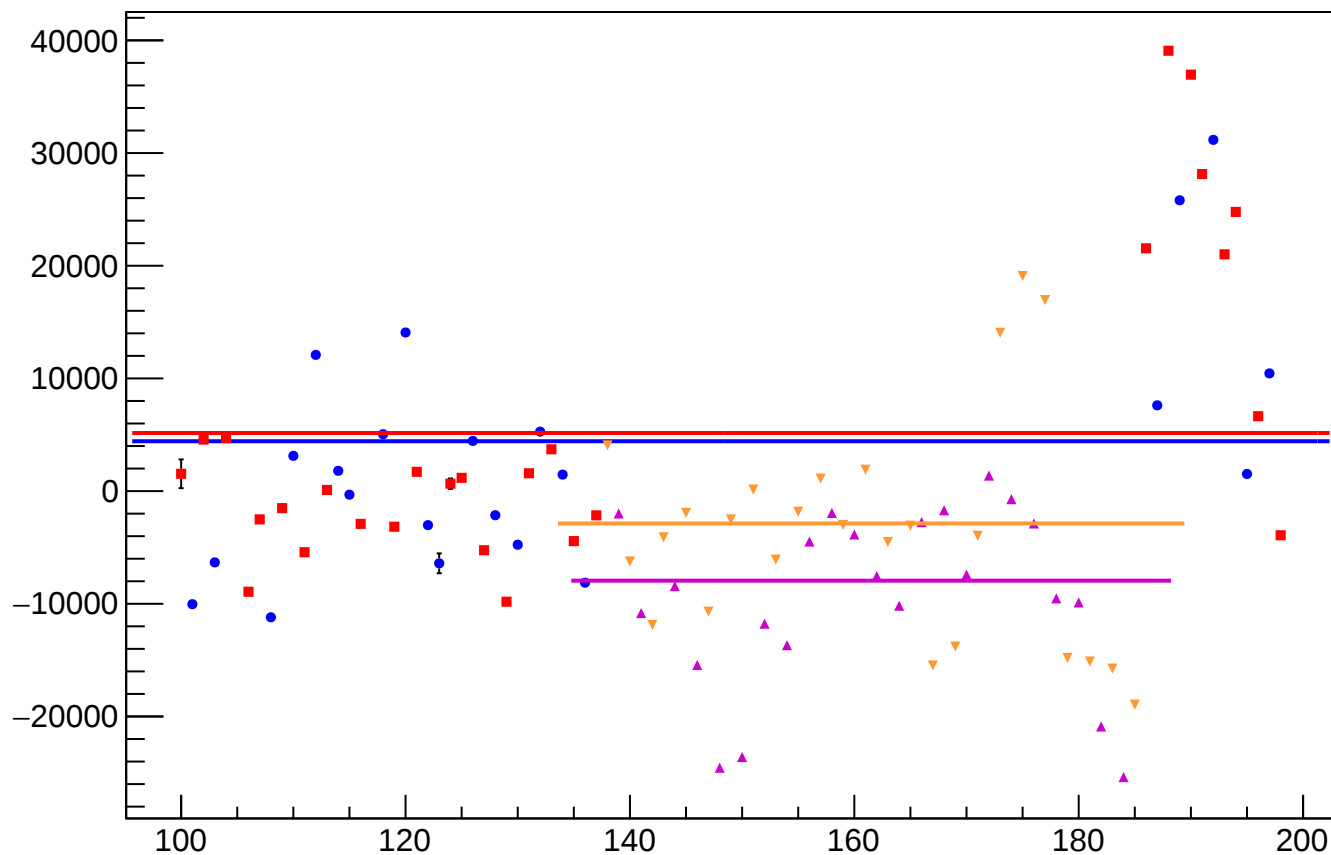
Right: 121.760+/-0.019 χ^2/NDF : 2092942.2/48

In: 133.787+/-0.019 χ^2/NDF : 3879948.6/44

Out: 133.626+/-0.018 χ^2/NDF : 4220407.6/51

All: 133.702+/-0.013 χ^2/NDF : 8100393.5/96

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 4425.301 $\pm$ 48.956 χ^2/NDF : 52490.4/21

Left Out: -2870.473 $\pm$ 39.482 χ^2/NDF : 46420.3/24

Right Out: 5155.266 $\pm$ 44.498 χ^2/NDF : 94406.3/26

Left In: -7947.160 $\pm$ 41.726 χ^2/NDF : 23874.5/22

Left: -5268.670 $\pm$ 28.678 χ^2/NDF : 78105.0/47

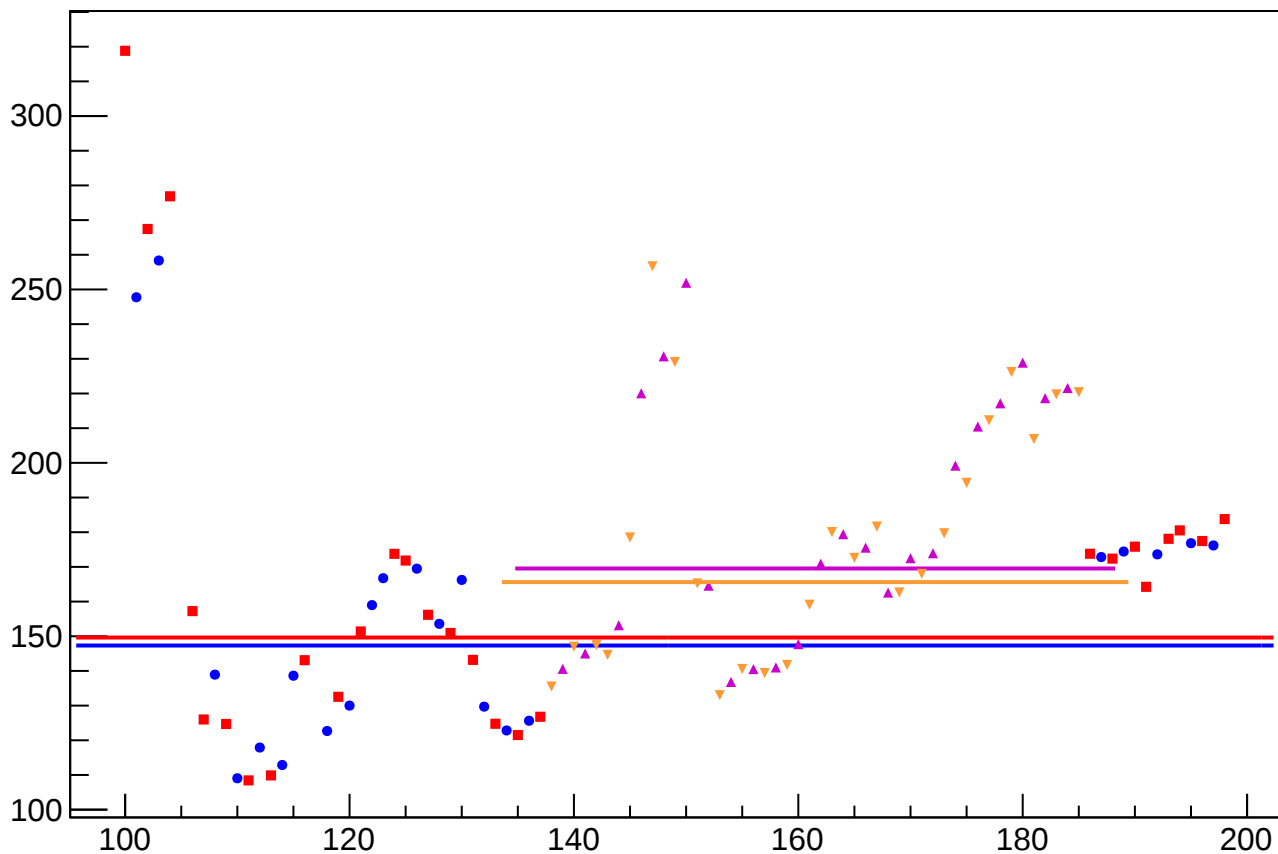
Right: 4825.031 $\pm$ 32.928 χ^2/NDF : 147018.5/48

In: -2741.235 $\pm$ 31.756 χ^2/NDF : 113360.2/44

Out: 664.784 $\pm$ 29.533 χ^2/NDF : 159027.9/51

All: -914.821 $\pm$ 21.626 χ^2/NDF : 278556.8/96

asym_bpm0i01WS_rms vs Slug, Sign Corrected

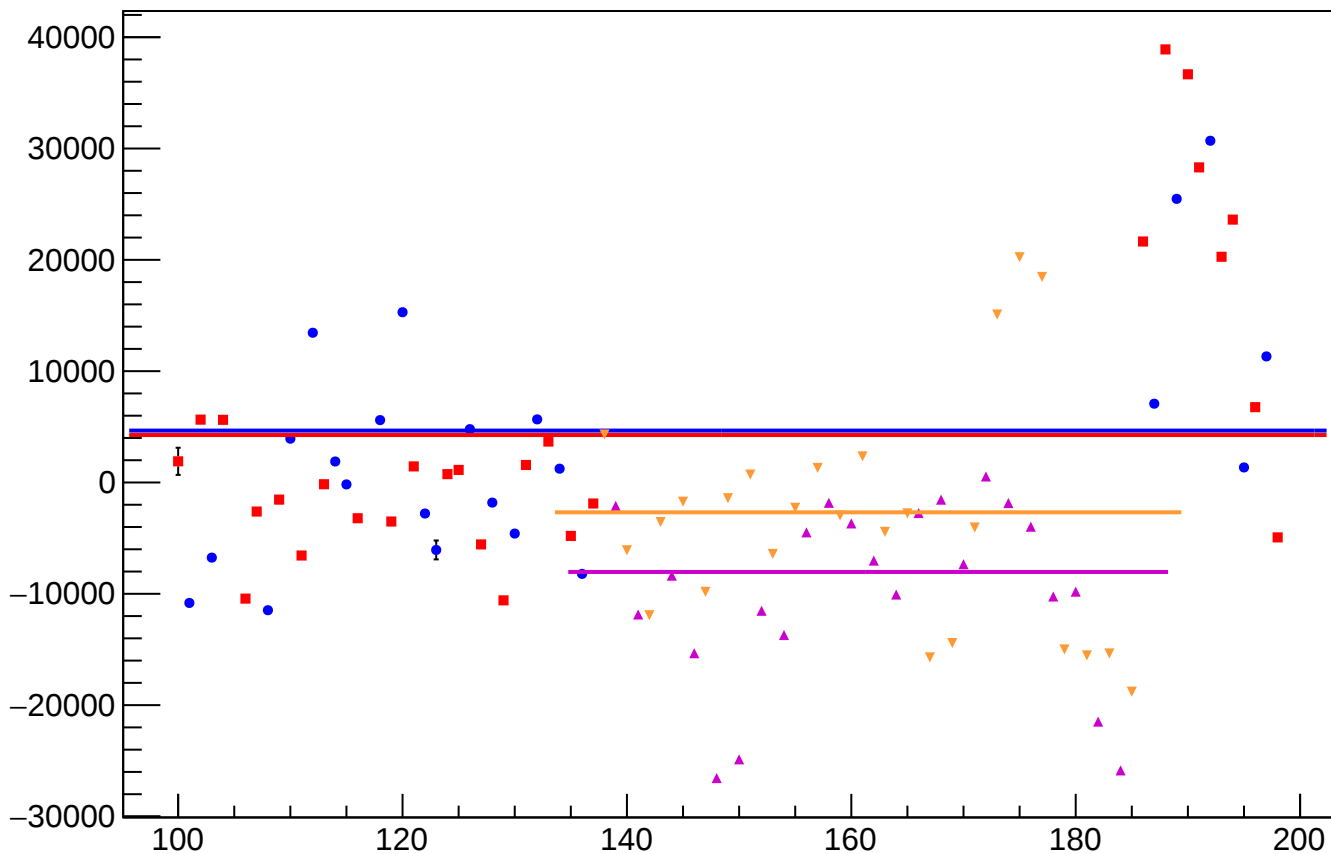


Right In: 147.331 $\pm$ 0.035 χ^2/NDF : 871940.3/21
 Left Out: 165.616 $\pm$ 0.028 χ^2/NDF :1144779.3/24
 Right Out: 149.629 $\pm$ 0.031 χ^2/NDF : 1109401.8/26
 Left In: 169.542 $\pm$ 0.030 χ^2/NDF :1159241.9/22

Left: 167.471 $\pm$ 0.020 χ^2/NDF : 2313359.6/47
 Right: 148.589 $\pm$ 0.023 χ^2/NDF : 1983754.9/48
 In: 160.196 $\pm$ 0.022 χ^2/NDF :2269630.9/44
 Out: 158.574 $\pm$ 0.021 χ^2/NDF :2398637.5/51

All: 159.326 $\pm$ 0.015 χ^2/NDF : 4671066.6/96

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 4661.918+/-41.070

χ^2/NDF : 73240.1/21

Left Out: -2680.012+/-35.764

χ^2/NDF : 56820.4/24

Right Out: 4263.063+/-37.125

χ^2/NDF : 131083.1/26

Left In: -8036.826+/-37.924

χ^2/NDF : 29261.6/22

Left: -5201.473+/-26.019

χ^2/NDF : 96642.3/47

Right: 4442.421+/-27.541

χ^2/NDF : 204375.1/48

In: -2192.262+/-27.862

χ^2/NDF : 154104.7/44

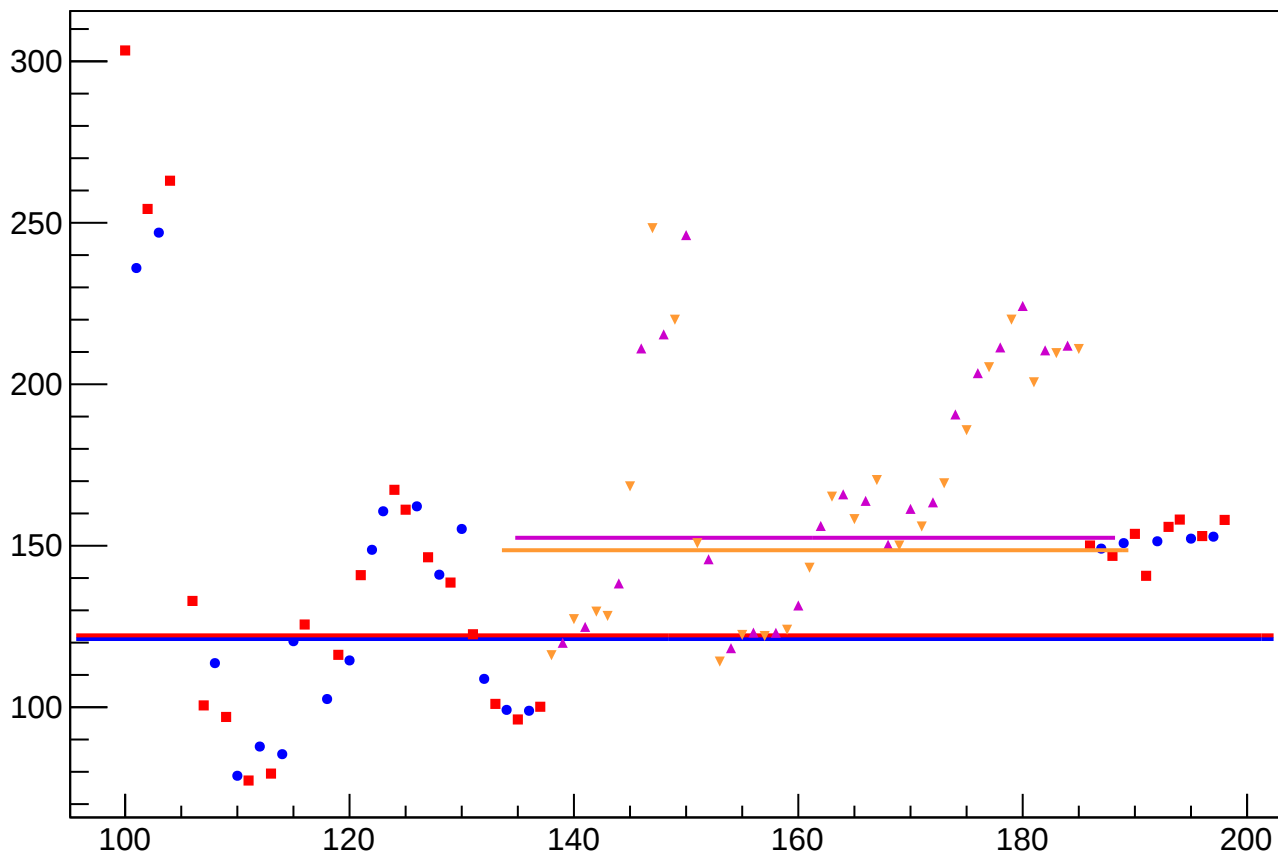
Out: 661.893+/-25.757

χ^2/NDF : 206044.6/51

All: -653.269+/-18.913

χ^2/NDF : 365807.6/96

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 121.123 ± 0.029 χ^2/NDF : 1445923.4/21

Left Out: 148.611 ± 0.025 χ^2/NDF : 1685424.1/24

Right Out: 122.252 ± 0.026 χ^2/NDF : 1847160.0/26

Left In: 152.463 ± 0.027 χ^2/NDF : 1691517.7/22

Left: 150.424 ± 0.018 χ^2/NDF : 3387867.0/47

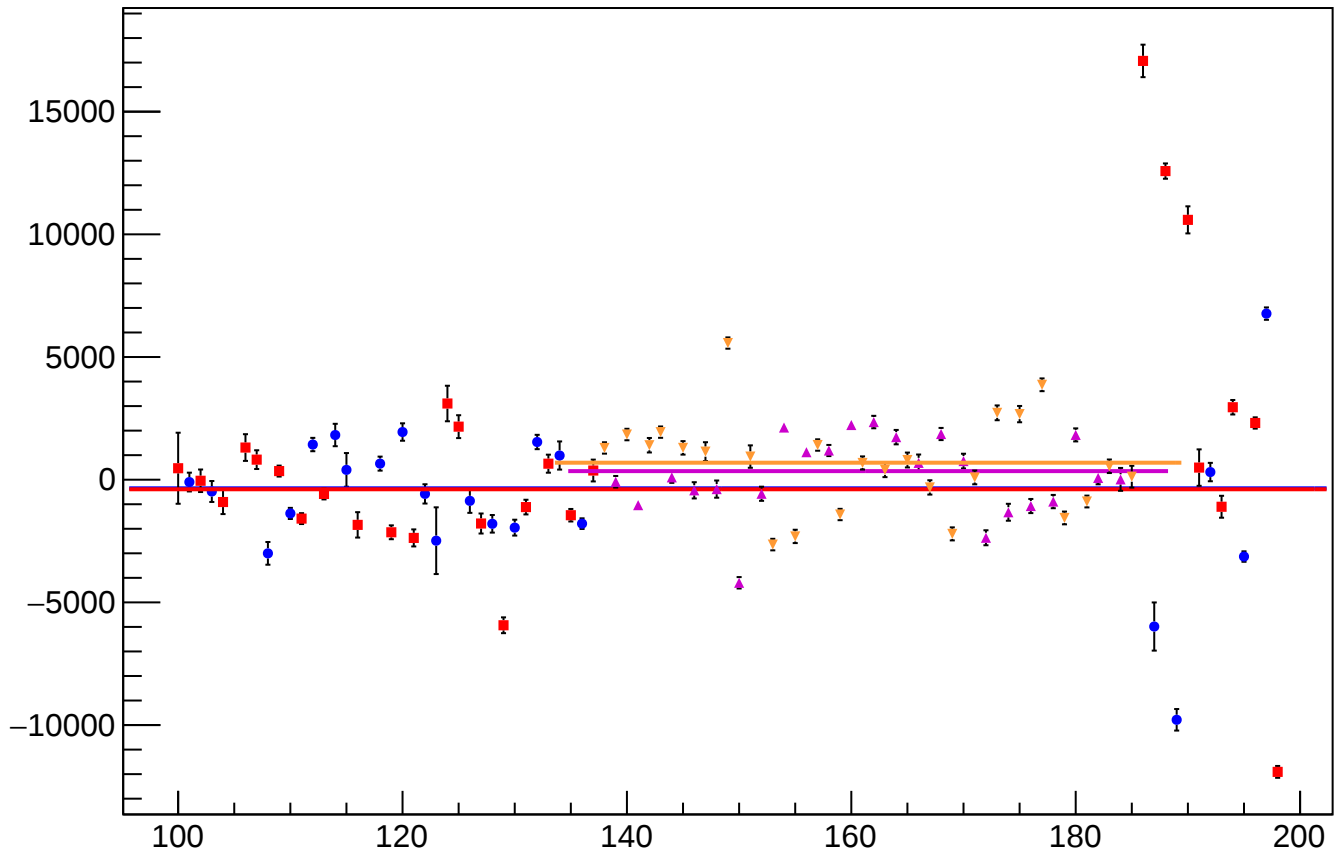
Right: 121.744 ± 0.019 χ^2/NDF : 3293916.2/48

In: 138.039 ± 0.020 χ^2/NDF : 3766078.1/44

Out: 135.924 ± 0.018 χ^2/NDF : 4055487.5/51

All: 136.898 ± 0.013 χ^2/NDF : 7827781.1/96

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -351.744+/-72.030 χ^2/NDF : 1774.5/21

Left Out: 692.998+/-54.303 χ^2/NDF :1422.0/24

Right Out: -390.327+/-65.079 χ^2/NDF : 5906.4/26

Left In: 349.623+/-53.094 χ^2/NDF :981.0/22

Left: 517.444+/-37.963 χ^2/NDF : 2423.4/47

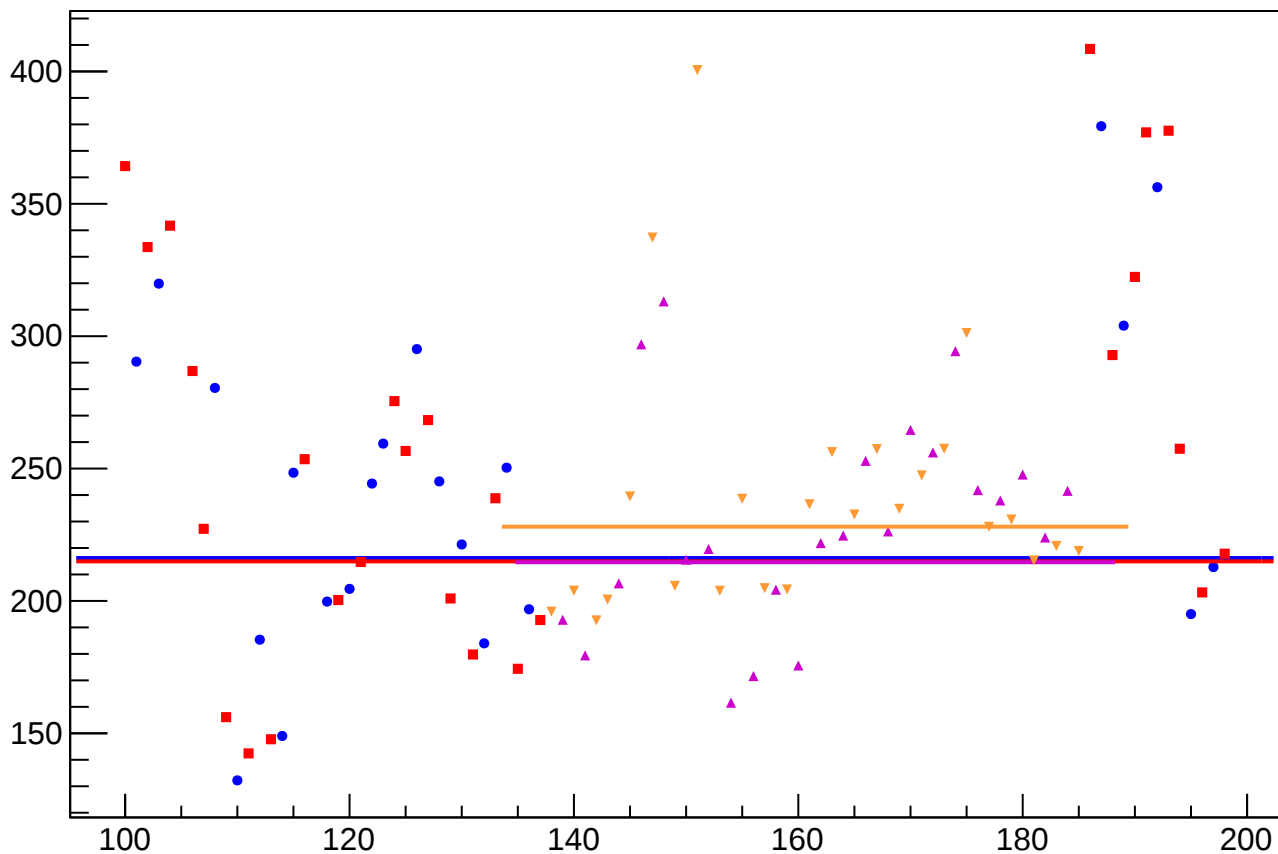
Right: -372.986+/-48.289 χ^2/NDF : 7681.1/48

In: 102.706+/-42.738 χ^2/NDF :2816.9/44

Out: 248.330+/-41.695 χ^2/NDF :7491.8/51

All: 177.317+/-29.845 χ^2/NDF : 10314.7/96

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 216.209 $\pm$ 0.051 χ^2/NDF : 1148815.1/21

Left Out: 228.061 $\pm$ 0.038 χ^2/NDF : 826343.8/24

Right Out: 214.946 $\pm$ 0.046 χ^2/NDF : 1814629.8/26

Left In: 214.627 $\pm$ 0.038 χ^2/NDF : 1025683.3/22

Left: 221.193 $\pm$ 0.027 χ^2/NDF : 1914604.4/47

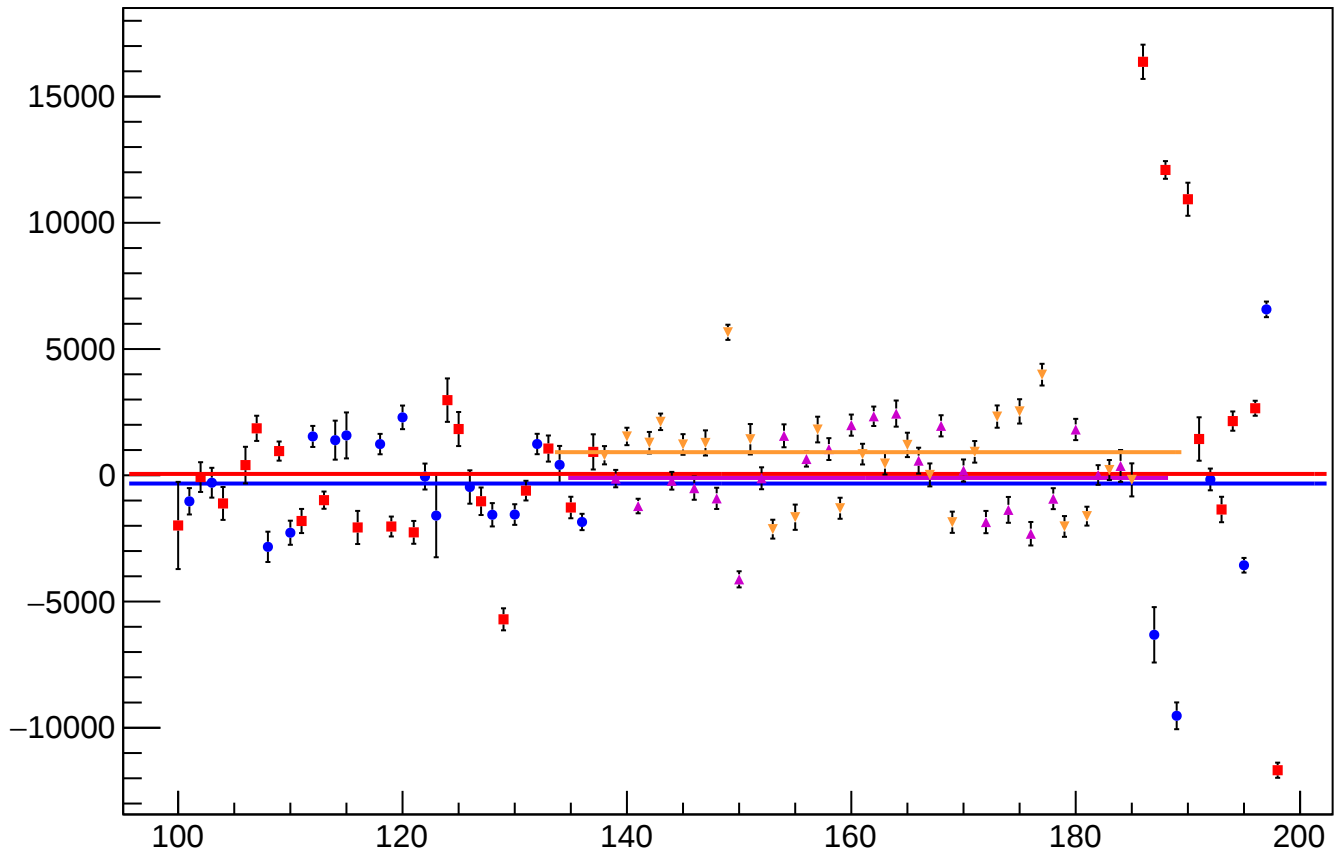
Right: 215.514 $\pm$ 0.034 χ^2/NDF : 2963783.6/48

In: 215.184 $\pm$ 0.030 χ^2/NDF : 2175123.7/44

Out: 222.678 $\pm$ 0.029 χ^2/NDF : 2688857.3/51

All: 219.023 $\pm$ 0.021 χ^2/NDF : 4895483.6/96

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -326.449 ± 100.115 $\chi^2/\text{NDF}: 1120.2/21$

Left Out: 915.968 ± 83.398 $\chi^2/\text{NDF}: 618.3/24$

Right Out: 54.066 ± 90.387 $\chi^2/\text{NDF}: 4010.7/26$

Left In: -106.116 ± 84.393 $\chi^2/\text{NDF}: 390.3/22$

Left: 410.985 ± 59.320 $\chi^2/\text{NDF}: 1082.8/47$

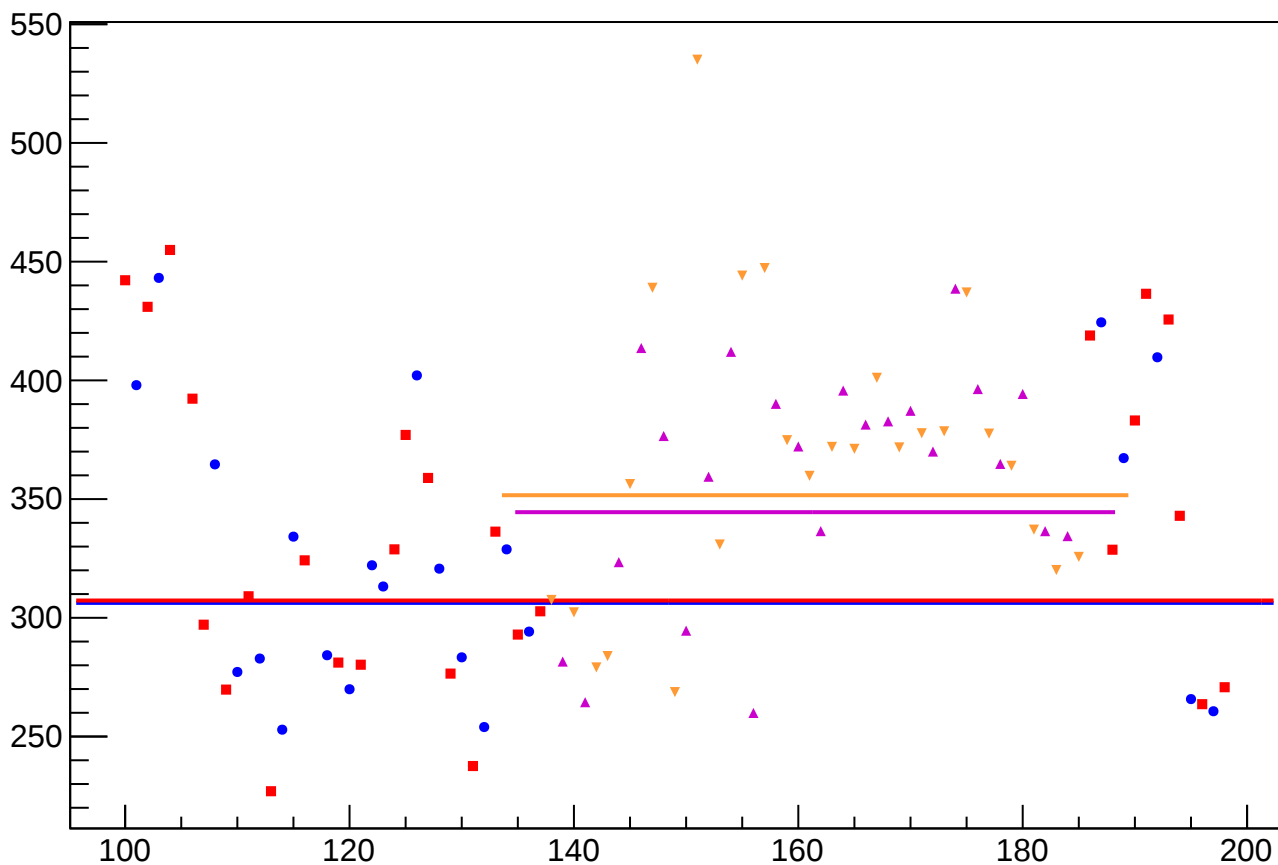
Right: -116.811 ± 67.089 $\chi^2/\text{NDF}: 5138.9/48$

In: -197.643 ± 64.526 $\chi^2/\text{NDF}: 1513.3/44$

Out: 519.621 ± 61.293 $\chi^2/\text{NDF}: 4678.2/51$

All: 179.405 ± 44.440 $\chi^2/\text{NDF}: 6256.4/96$

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 306.289 ± 0.071 $\chi^2/\text{NDF}: 569183.1/21$

Left Out: 351.633 ± 0.059 $\chi^2/\text{NDF}: 907849.3/24$

Right Out: 307.287 ± 0.064 $\chi^2/\text{NDF}: 836611.8/26$

Left In: 344.491 ± 0.060 $\chi^2/\text{NDF}: 768885.4/22$

Left: 348.104 ± 0.042 $\chi^2/\text{NDF}: 1683981.7/47$

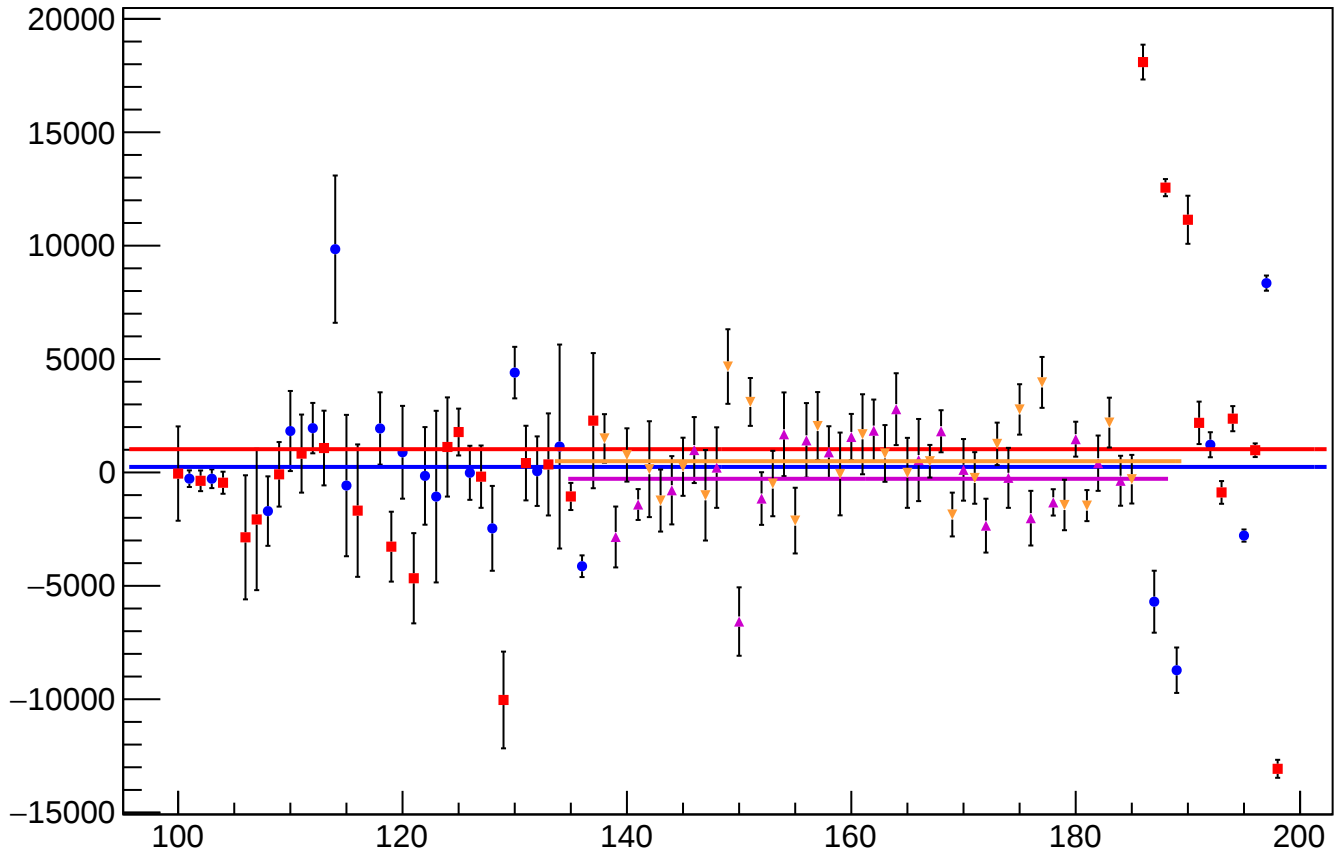
Right: 306.839 ± 0.047 $\chi^2/\text{NDF}: 1405904.5/48$

In: 328.622 ± 0.046 $\chi^2/\text{NDF}: 1508308.0/44$

Out: 331.241 ± 0.043 $\chi^2/\text{NDF}: 2004498.1/51$

All: 329.998 ± 0.031 $\chi^2/\text{NDF}: 3514538.1/96$

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: 243.287 ± 141.172 χ^2/NDF : 932.6/21

Left Out: 495.014 ± 231.058 χ^2/NDF : 56.2/24

Right Out: 1025.738 ± 138.398 χ^2/NDF : 2881.7/26

Left In: -280.692 ± 232.048 χ^2/NDF : 57.2/22

Left: 108.818 ± 163.732 χ^2/NDF : 119.1/47

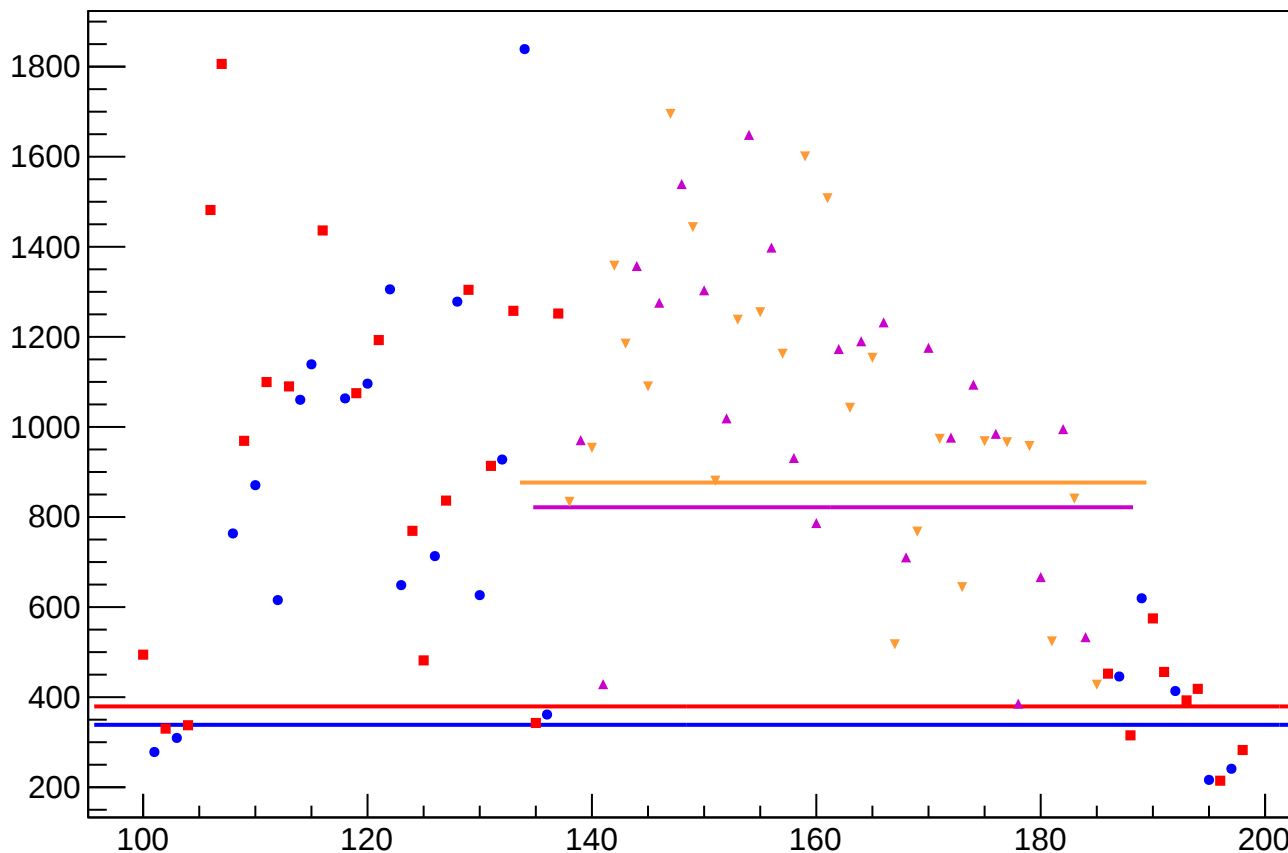
Right: 642.274 ± 98.828 χ^2/NDF : 3829.9/48

In: 101.741 ± 120.606 χ^2/NDF : 993.6/44

Out: 885.605 ± 118.729 χ^2/NDF : 2941.8/51

All: 499.820 ± 84.610 χ^2/NDF : 3956.8/96

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 338.620 ± 0.100 $\chi^2/\text{NDF}: 4003425.5/21$

Left Out: 876.560 ± 0.163 $\chi^2/\text{NDF}: 3434698.7/24$

Right Out: 379.451 ± 0.098 $\chi^2/\text{NDF}: 5119150.6/26$

Left In: 821.657 ± 0.164 $\chi^2/\text{NDF}: 4443094.2/22$

Left: 849.226 ± 0.116 $\chi^2/\text{NDF}: 7934012.4/47$

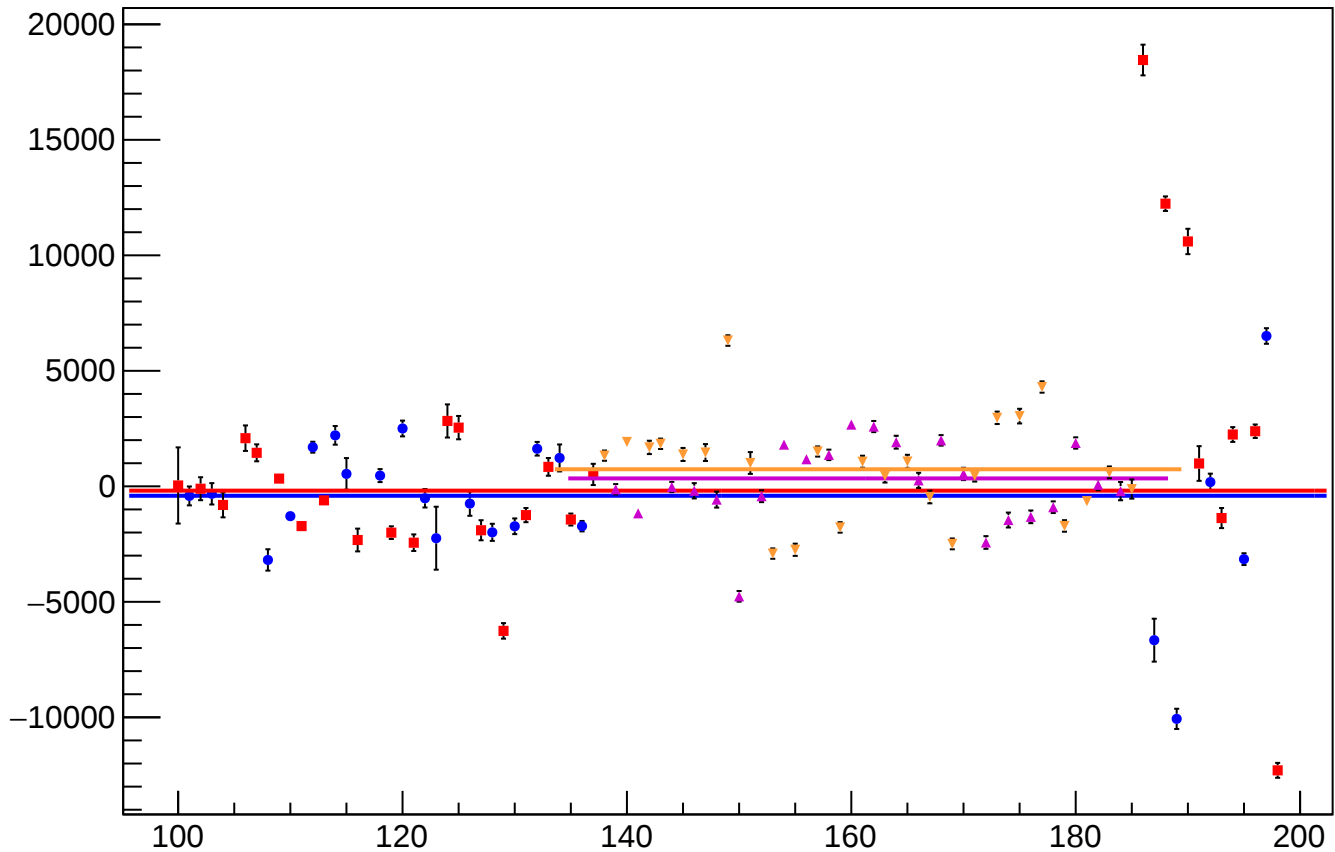
Right: 359.440 ± 0.070 $\chi^2/\text{NDF}: 9207891.0/48$

In: 469.106 ± 0.085 $\chi^2/\text{NDF}: 14771802.9/44$

Out: 510.708 ± 0.084 $\chi^2/\text{NDF}: 15366947.6/51$

All: 490.233 ± 0.060 $\chi^2/\text{NDF}: 30259604.7/96$

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -408.109 ± 73.565 $\chi^2/\text{NDF}: 1455.4/21$

Left Out: 738.847 ± 51.649 $\chi^2/\text{NDF}: 1935.2/24$

Right Out: -186.601 ± 65.791 $\chi^2/\text{NDF}: 4921.0/26$

Left In: 342.465 ± 50.044 $\chi^2/\text{NDF}: 1254.9/22$

Left: 534.403 ± 35.941 $\chi^2/\text{NDF}: 3220.5/47$

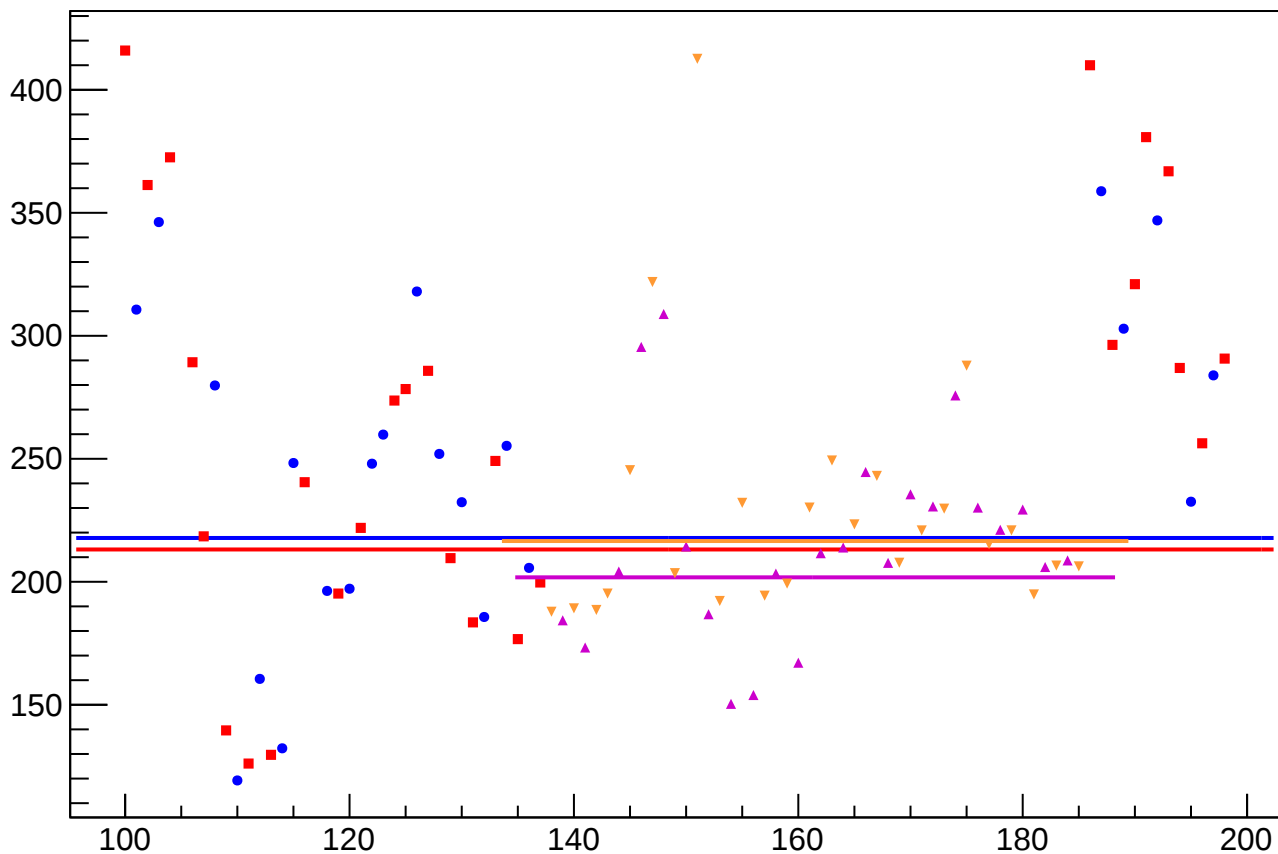
Right: -285.036 ± 49.040 $\chi^2/\text{NDF}: 6381.4/48$

In: 105.008 ± 41.378 $\chi^2/\text{NDF}: 2781.4/44$

Out: 385.971 ± 40.626 $\chi^2/\text{NDF}: 6978.6/51$

All: 248.066 ± 28.989 $\chi^2/\text{NDF}: 9783.5/96$

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 217.812 $\pm$ 0.052 χ^2/NDF : 1585026.6/21

Left Out: 216.574 $\pm$ 0.037 χ^2/NDF :886214.1/24

Right Out: 213.137 $\pm$ 0.047 χ^2/NDF : 2646449.5/26

Left In: 201.805 $\pm$ 0.035 χ^2/NDF :1087243.4/22

Left: 208.957 $\pm$ 0.025 χ^2/NDF : 2057801.5/47

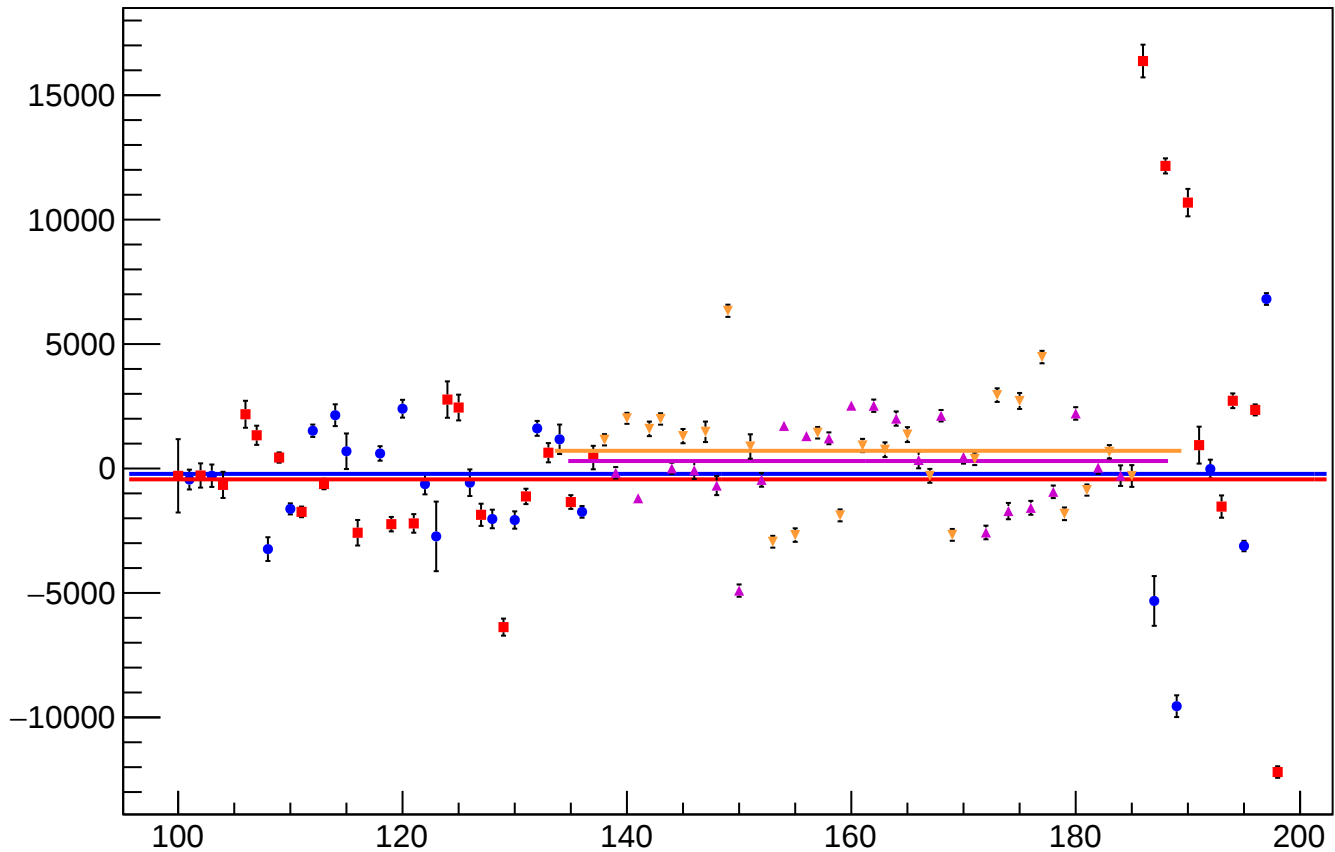
Right: 215.215 $\pm$ 0.035 χ^2/NDF : 4235964.2/48

In: 206.869 $\pm$ 0.029 χ^2/NDF :2737003.0/44

Out: 215.264 $\pm$ 0.029 χ^2/NDF :3536040.7/51

All: 211.143 $\pm$ 0.020 χ^2/NDF : 6314953.0/96

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -216.055+/-72.489 χ^2/NDF : 1922.3/21

Left Out: 711.174+/-53.245 χ^2/NDF : 1835.3/24

Right Out: -436.093+/-65.036 χ^2/NDF : 6211.3/26

Left In: 300.516+/-51.984 χ^2/NDF : 1208.6/22

Left: 500.925+/-37.196 χ^2/NDF : 3074.4/47

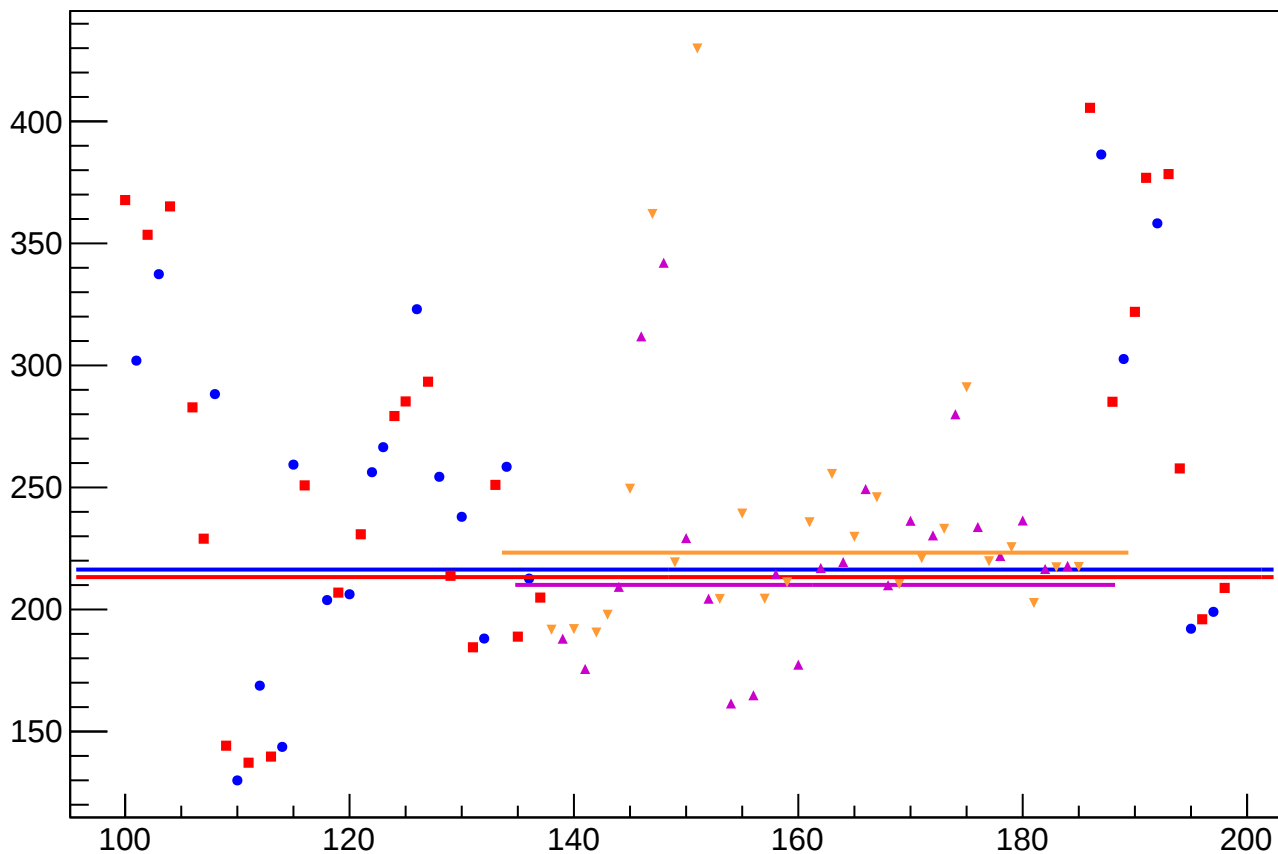
Right: -337.964+/-48.408 χ^2/NDF : 8138.7/48

In: 125.080+/-42.244 χ^2/NDF : 3164.4/44

Out: 250.782+/-41.199 χ^2/NDF : 8232.9/51

All: 189.505+/-29.495 χ^2/NDF : 11401.9/96

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 216.357 ± 0.051 $\chi^2/\text{NDF}: 1338184.5/21$

Left Out: 223.296 ± 0.038 $\chi^2/\text{NDF}: 922768.4/24$

Right Out: 213.270 ± 0.046 $\chi^2/\text{NDF}: 2084195.7/26$

Left In: 210.080 ± 0.037 $\chi^2/\text{NDF}: 1015274.5/22$

Left: 216.530 ± 0.026 $\chi^2/\text{NDF}: 2001132.1/47$

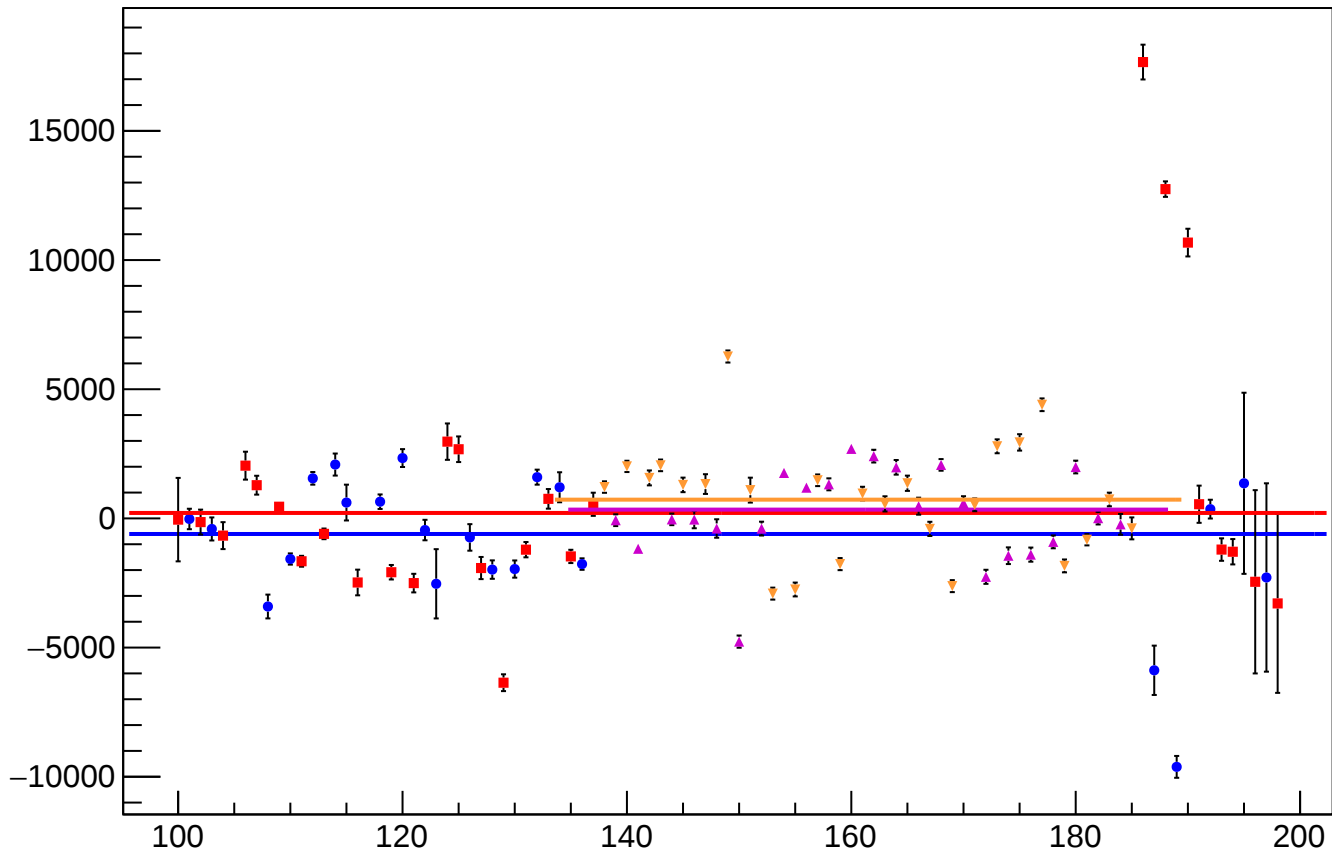
Right: 214.647 ± 0.034 $\chi^2/\text{NDF}: 3424388.8/48$

In: 212.212 ± 0.030 $\chi^2/\text{NDF}: 2363361.8/44$

Out: 219.273 ± 0.029 $\chi^2/\text{NDF}: 3035420.5/51$

All: 215.831 ± 0.021 $\chi^2/\text{NDF}: 5427423.5/96$

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -603.203 ± 79.160 $\chi^2/\text{NDF}: 892.1/21$

Left Out: 725.866 ± 52.158 $\chi^2/\text{NDF}: 1912.7/24$

Right Out: 211.007 ± 70.032 $\chi^2/\text{NDF}: 3633.2/26$

Left In: 340.502 ± 50.802 $\chi^2/\text{NDF}: 1201.8/22$

Left: 528.110 ± 36.393 $\chi^2/\text{NDF}: 3142.6/47$

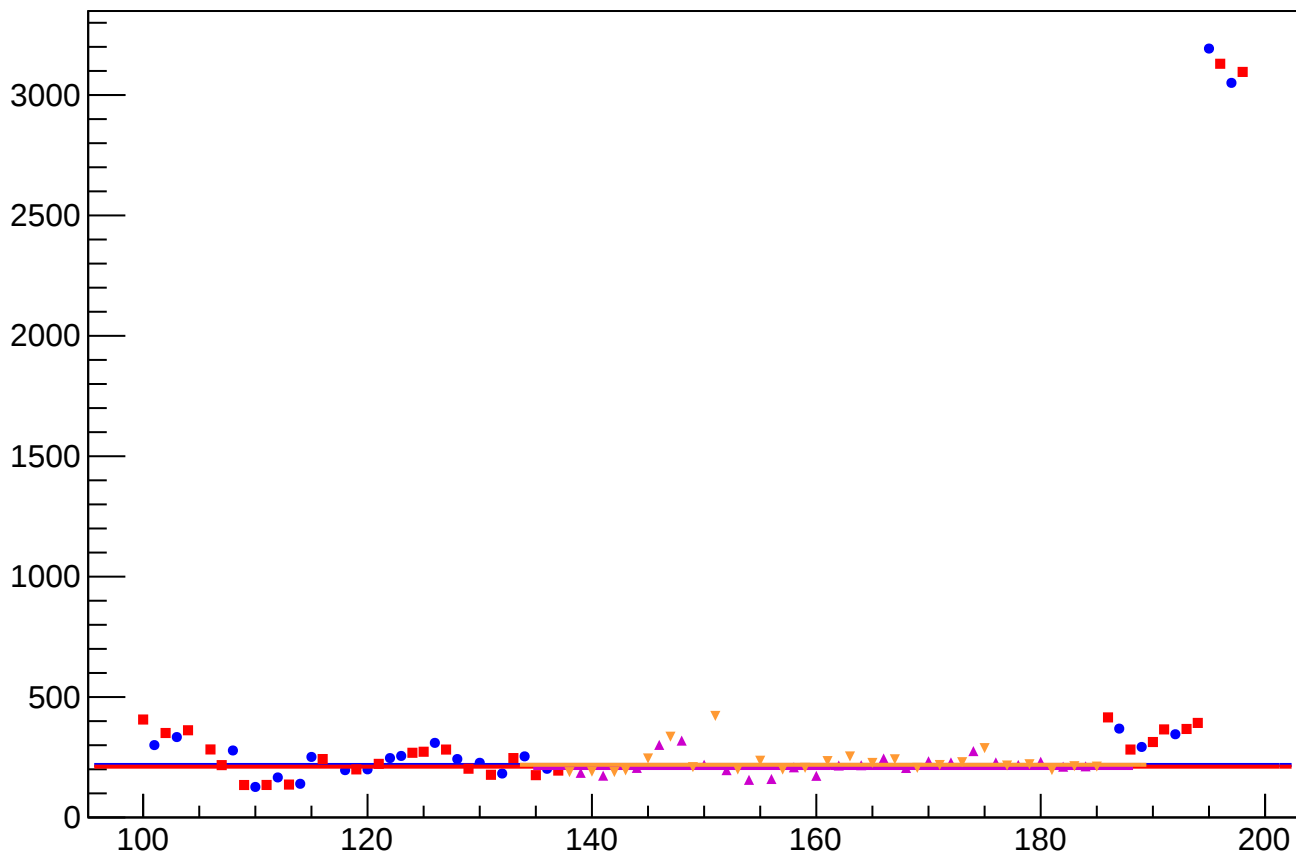
Right: -146.466 ± 52.452 $\chi^2/\text{NDF}: 4584.7/48$

In: 65.208 ± 42.755 $\chi^2/\text{NDF}: 2194.6/44$

Out: 542.170 ± 41.831 $\chi^2/\text{NDF}: 5580.7/51$

All: 308.898 ± 29.900 $\chi^2/\text{NDF}: 7838.9/96$

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 218.016+/-0.056 χ^2/NDF : 3928106.9/21

Left Out: 218.768+/-0.037 χ^2/NDF : 896914.5/24

Right Out: 210.885+/-0.050 χ^2/NDF : 5163724.4/26

Left In: 205.249+/-0.036 χ^2/NDF : 997168.8/22

Left: 211.831+/-0.026 χ^2/NDF : 1963037.5/47

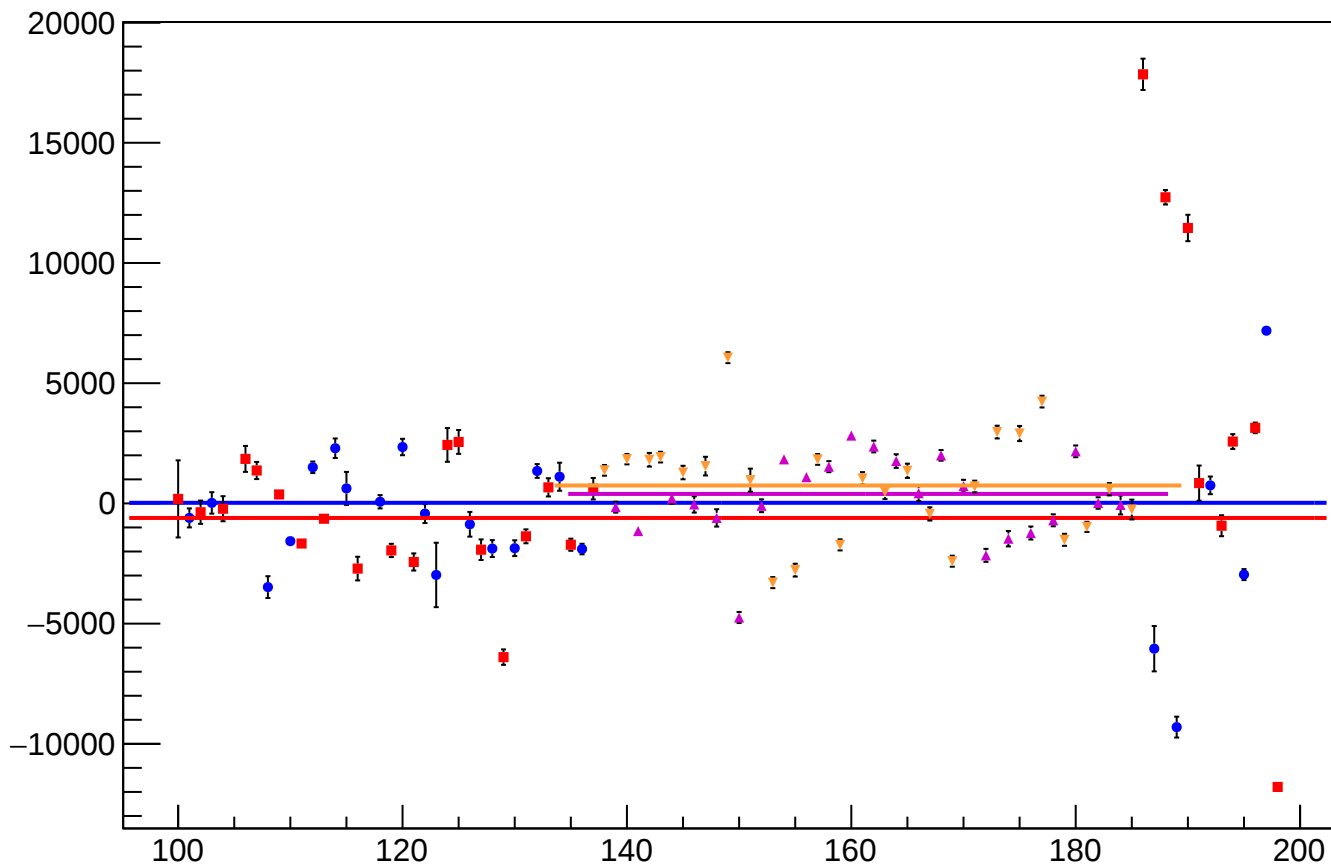
Right: 214.016+/-0.037 χ^2/NDF : 9100937.2/48

In: 208.973+/-0.030 χ^2/NDF : 4962124.5/44

Out: 215.956+/-0.030 χ^2/NDF : 6076941.6/51

All: 212.541+/-0.021 χ^2/NDF : 11066317.6/96

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: 25.461 $\pm$ 69.582 χ^2/NDF : 2271.7/21

Left Out: 746.405 $\pm$ 51.592 χ^2/NDF :1942.1/24

Right Out: -604.791 $\pm$ 61.673 χ^2/NDF : 7345.1/26

Left In: 394.379 $\pm$ 50.311 χ^2/NDF :1236.4/22

Left: 565.969 $\pm$ 36.020 χ^2/NDF : 3202.4/47

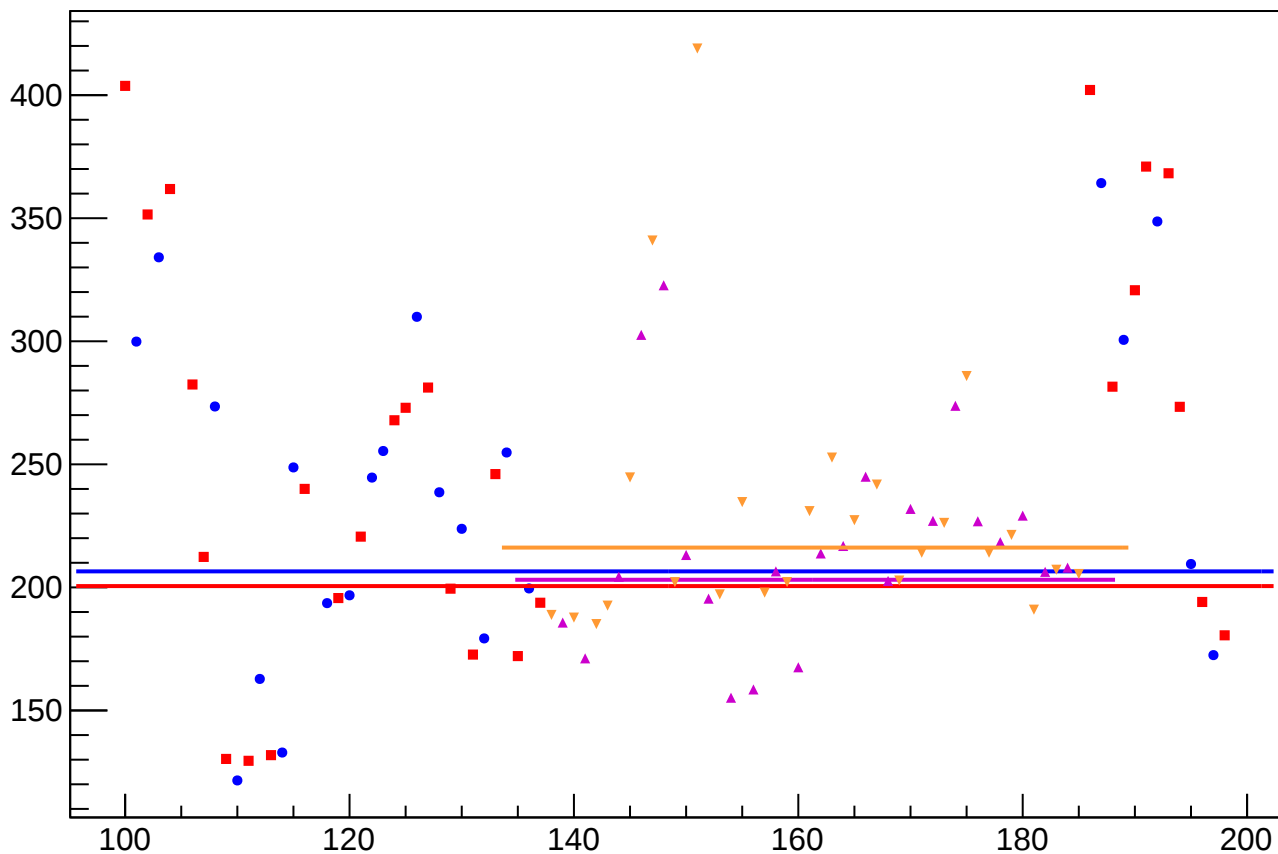
Right: -327.506 $\pm$ 46.153 χ^2/NDF : 9662.7/48

In: 267.724 $\pm$ 40.770 χ^2/NDF :3526.5/44

Out: 190.126 $\pm$ 39.571 χ^2/NDF :9569.6/51

All: 227.767 $\pm$ 28.396 χ^2/NDF : 13098.0/96

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 206.513 ± 0.049 $\chi^2/\text{NDF}: 1458283.0/21$

Left Out: 216.178 ± 0.036 $\chi^2/\text{NDF}: 946050.8/24$

Right Out: 200.533 ± 0.044 $\chi^2/\text{NDF}: 2423519.6/26$

Left In: 203.101 ± 0.036 $\chi^2/\text{NDF}: 1038013.0/22$

Left: 209.475 ± 0.025 $\chi^2/\text{NDF}: 2049926.5/47$

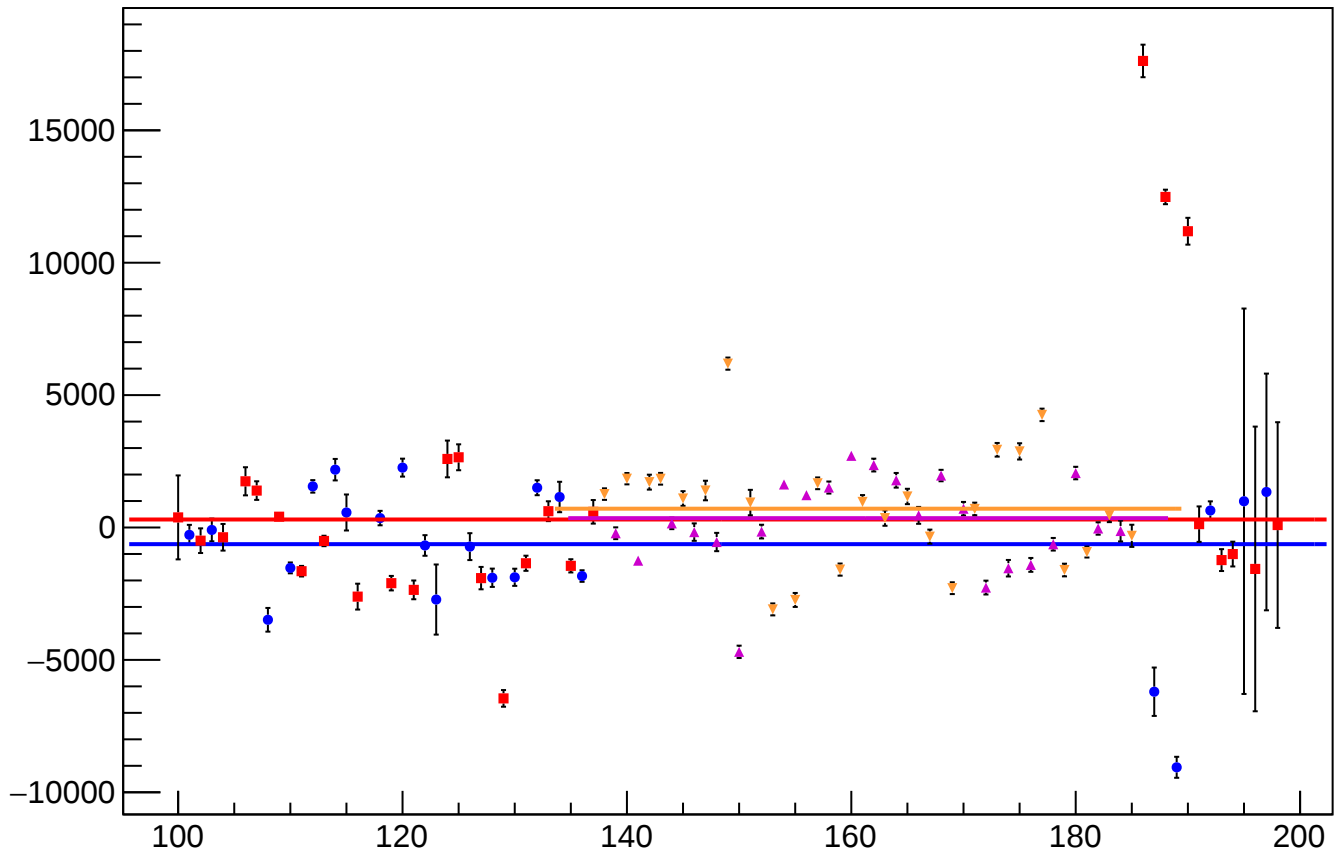
Right: 203.164 ± 0.033 $\chi^2/\text{NDF}: 3890076.7/48$

In: 204.272 ± 0.029 $\chi^2/\text{NDF}: 2499454.3/44$

Out: 209.737 ± 0.028 $\chi^2/\text{NDF}: 3445291.1/51$

All: 207.086 ± 0.020 $\chi^2/\text{NDF}: 5963246.1/96$

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -629.141 ± 76.504 χ^2/NDF : 914.9/21

Left Out: 710.238 ± 50.750 χ^2/NDF : 1932.3/24

Right Out: 302.407 ± 67.157 χ^2/NDF : 4161.3/26

Left In: 352.432 ± 49.316 χ^2/NDF : 1233.1/22

Left: 526.207 ± 35.368 χ^2/NDF : 3190.9/47

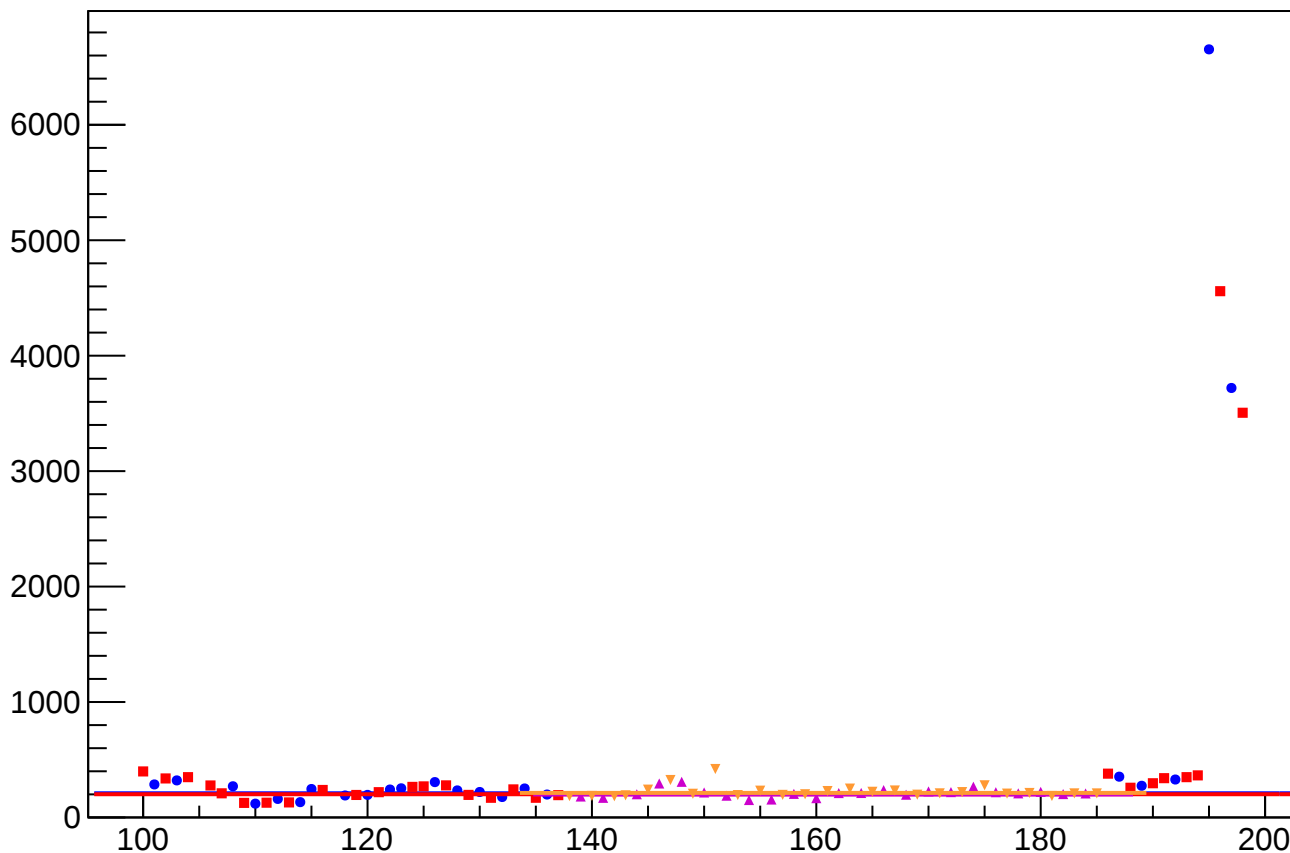
Right: -103.015 ± 50.470 χ^2/NDF : 5160.0/48

In: 64.290 ± 41.450 χ^2/NDF : 2264.3/44

Out: 561.994 ± 40.489 χ^2/NDF : 6117.1/51

All: 318.978 ± 28.964 χ^2/NDF : 8455.1/96

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 209.332 $\pm$ 0.054 χ^2 /NDF: 4099122.8/21

Left Out: 212.718 $\pm$ 0.036 χ^2 /NDF: 916225.9/24

Right Out: 201.152 $\pm$ 0.047 χ^2 /NDF: 5171812.6/26

Left In: 199.142 $\pm$ 0.035 χ^2 /NDF: 985932.4/22

Left: 205.736 $\pm$ 0.025 χ^2 /NDF: 1975772.3/47

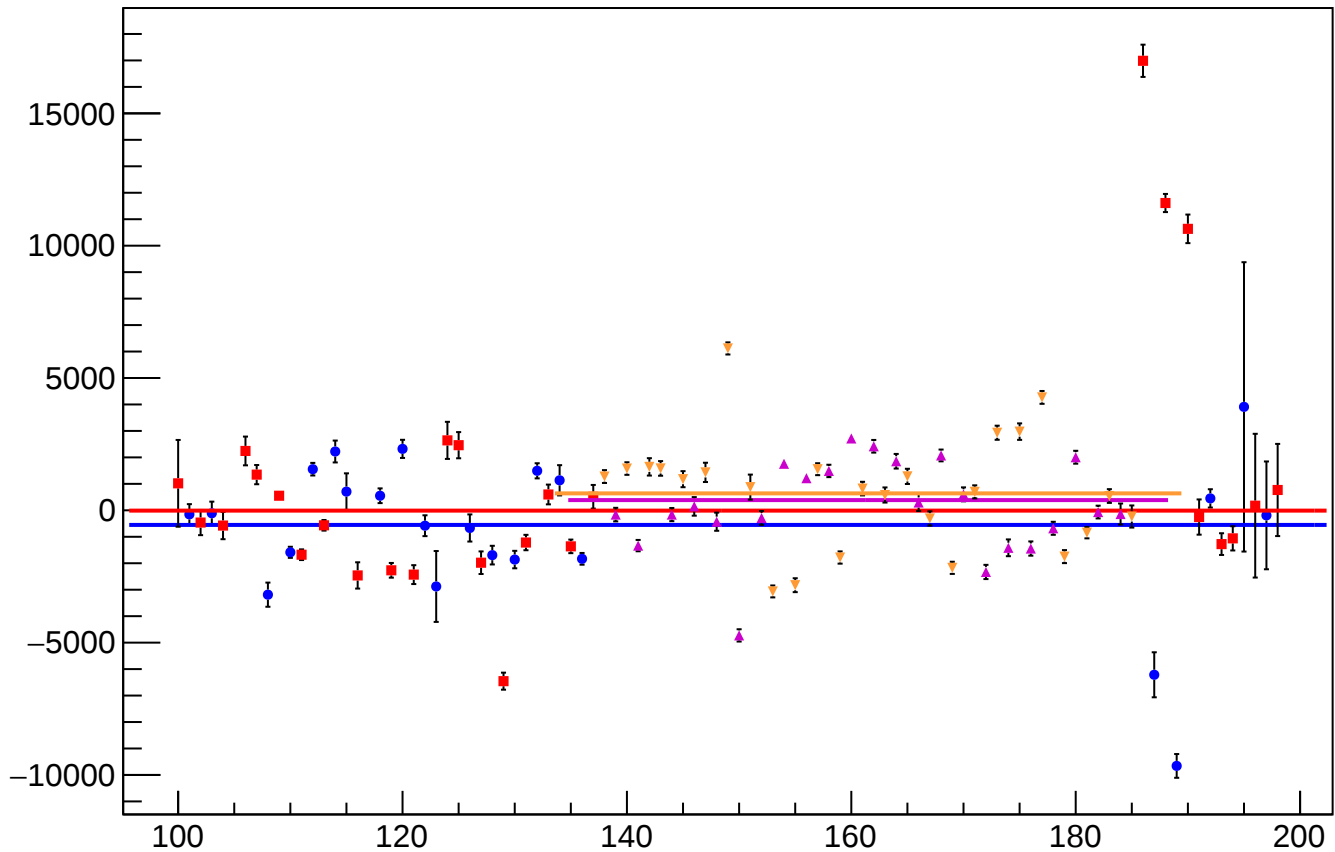
Right: 204.712 $\pm$ 0.036 χ^2 /NDF: 9283849.4/48

In: 202.133 $\pm$ 0.029 χ^2 /NDF: 5110121.3/44

Out: 208.514 $\pm$ 0.029 χ^2 /NDF: 6125799.8/51

All: 205.399 $\pm$ 0.020 χ^2 /NDF: 11260173.5/96

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -551.934 +/- 77.809 χ^2/NDF : 859.7/21

Left Out: 639.995 +/- 52.708 χ^2/NDF : 1859.2/24

Right Out: -11.340 +/- 69.031 χ^2/NDF : 3096.1/26

Left In: 386.248 +/- 50.994 χ^2/NDF : 1238.0/22

Left: 508.926 +/- 36.649 χ^2/NDF : 3109.2/47

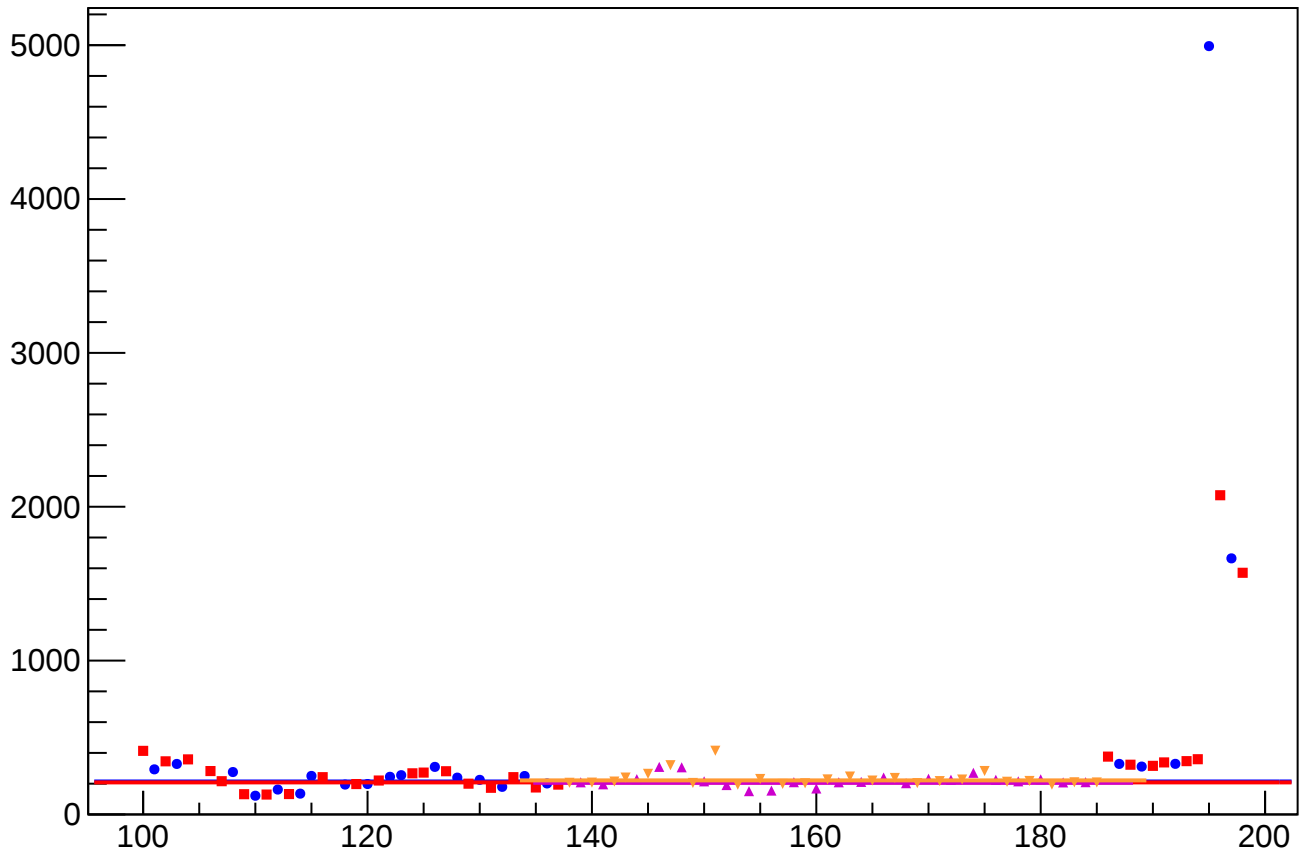
Right: -249.433 +/- 51.638 χ^2/NDF : 3982.8/48

In: 104.365 +/- 42.650 χ^2/NDF : 2199.4/44

Out: 400.113 +/- 41.893 χ^2/NDF : 5011.6/51

All: 254.889 +/- 29.887 χ^2/NDF : 7235.5/96

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 214.277 $\pm$ 0.055 χ^2 /NDF: 3866461.3/21

Left Out: 221.398 $\pm$ 0.037 χ^2 /NDF: 777833.8/24

Right Out: 208.351 $\pm$ 0.049 χ^2 /NDF: 4665171.1/26

Left In: 205.803 $\pm$ 0.036 χ^2 /NDF: 994903.5/22

Left: 213.343 $\pm$ 0.026 χ^2 /NDF: 1863169.5/47

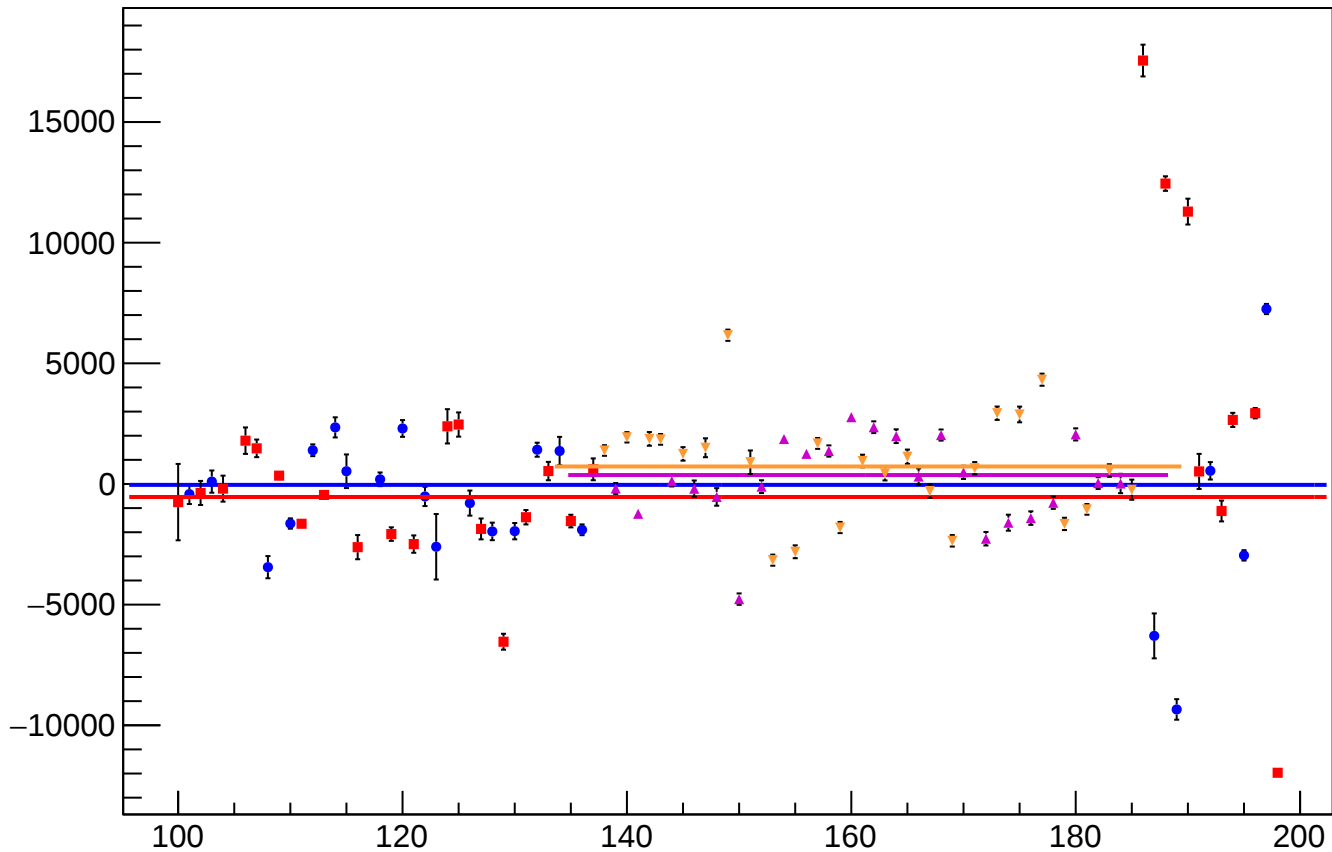
Right: 210.961 $\pm$ 0.037 χ^2 /NDF: 8538123.2/48

In: 208.349 $\pm$ 0.030 χ^2 /NDF: 4877956.2/44

Out: 216.593 $\pm$ 0.030 χ^2 /NDF: 5488137.8/51

All: 212.545 $\pm$ 0.021 χ^2 /NDF: 10404123.1/96

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -37.198 ± 70.303 χ^2/NDF : 2291.3/21

Left Out: 725.250 ± 52.307 χ^2/NDF : 1883.1/24

Right Out: -539.143 ± 62.672 χ^2/NDF : 7074.7/26

Left In: 370.408 ± 50.884 χ^2/NDF : 1223.2/22

Left: 542.938 ± 36.473 χ^2/NDF : 3129.9/47

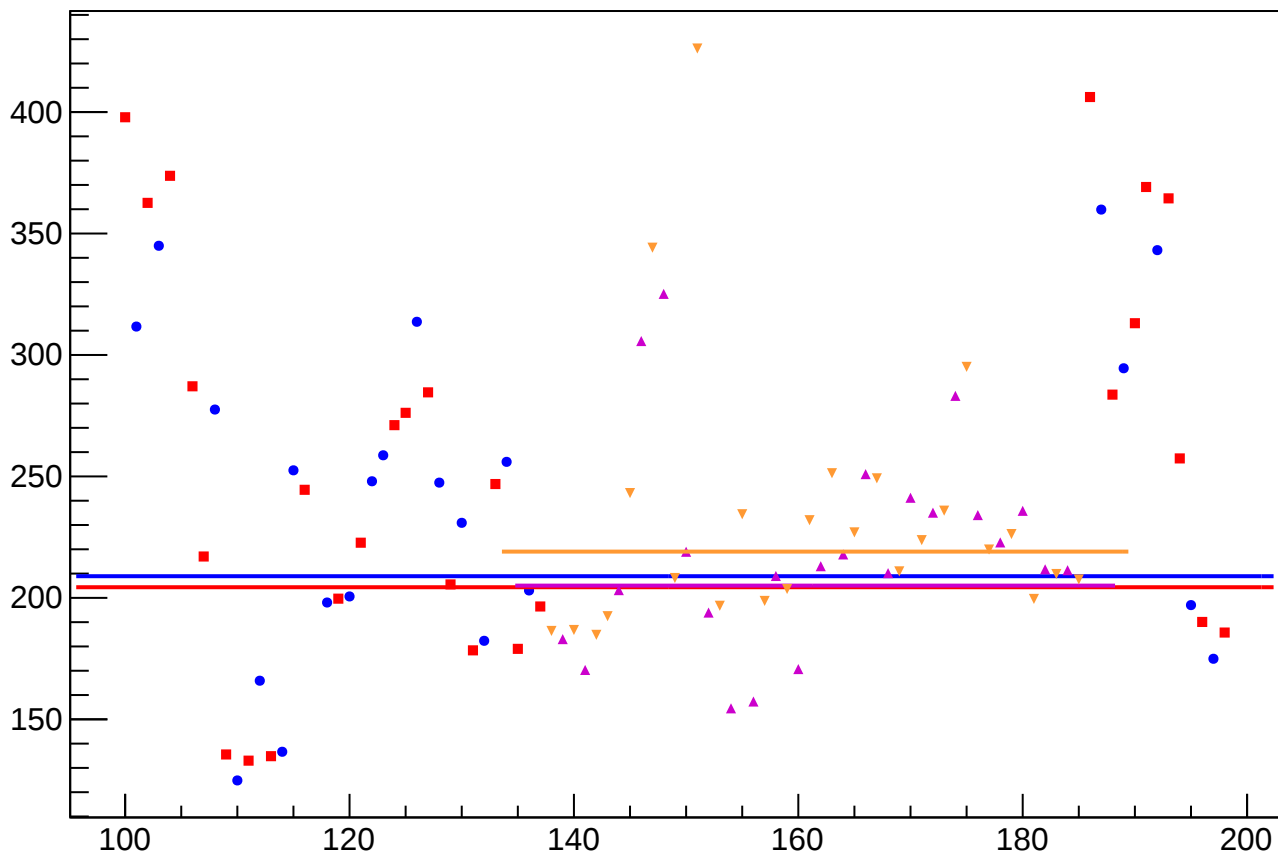
Right: -316.881 ± 46.782 χ^2/NDF : 9394.5/48

In: 230.282 ± 41.220 χ^2/NDF : 3536.6/44

Out: 206.113 ± 40.158 χ^2/NDF : 9197.7/51

All: 217.882 ± 28.764 χ^2/NDF : 12734.5/96

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 208.920 ± 0.050 χ^2/NDF : 1418657.3/21

Left Out: 219.049 ± 0.037 χ^2/NDF : 975564.4/24

Right Out: 204.381 ± 0.044 χ^2/NDF : 2275104.2/26

Left In: 205.046 ± 0.036 χ^2/NDF : 1144197.1/22

Left: 211.855 ± 0.026 χ^2/NDF : 2193394.9/47

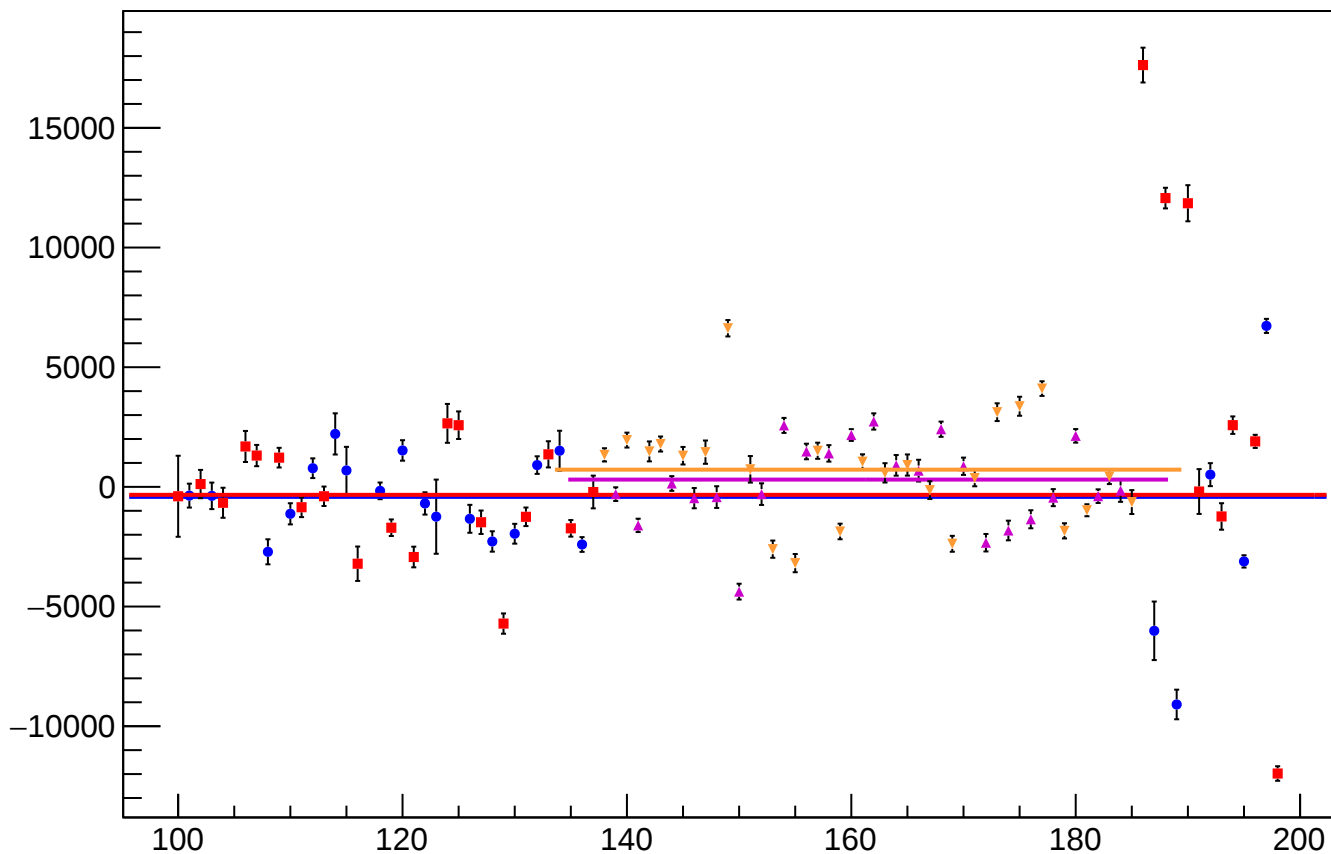
Right: 206.391 ± 0.033 χ^2/NDF : 3698407.7/48

In: 206.378 ± 0.029 χ^2/NDF : 2566839.2/44

Out: 213.026 ± 0.028 χ^2/NDF : 3315239.3/51

All: 209.789 ± 0.020 χ^2/NDF : 5908769.2/96

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -417.331 ± 94.917 $\chi^2/\text{NDF}: 1078.3/21$

Left Out: 718.705 ± 69.601 $\chi^2/\text{NDF}: 1018.5/24$

Right Out: -332.630 ± 88.952 $\chi^2/\text{NDF}: 3640.2/26$

Left In: 304.161 ± 70.958 $\chi^2/\text{NDF}: 643.5/22$

Left: 515.435 ± 49.688 $\chi^2/\text{NDF}: 1679.4/47$

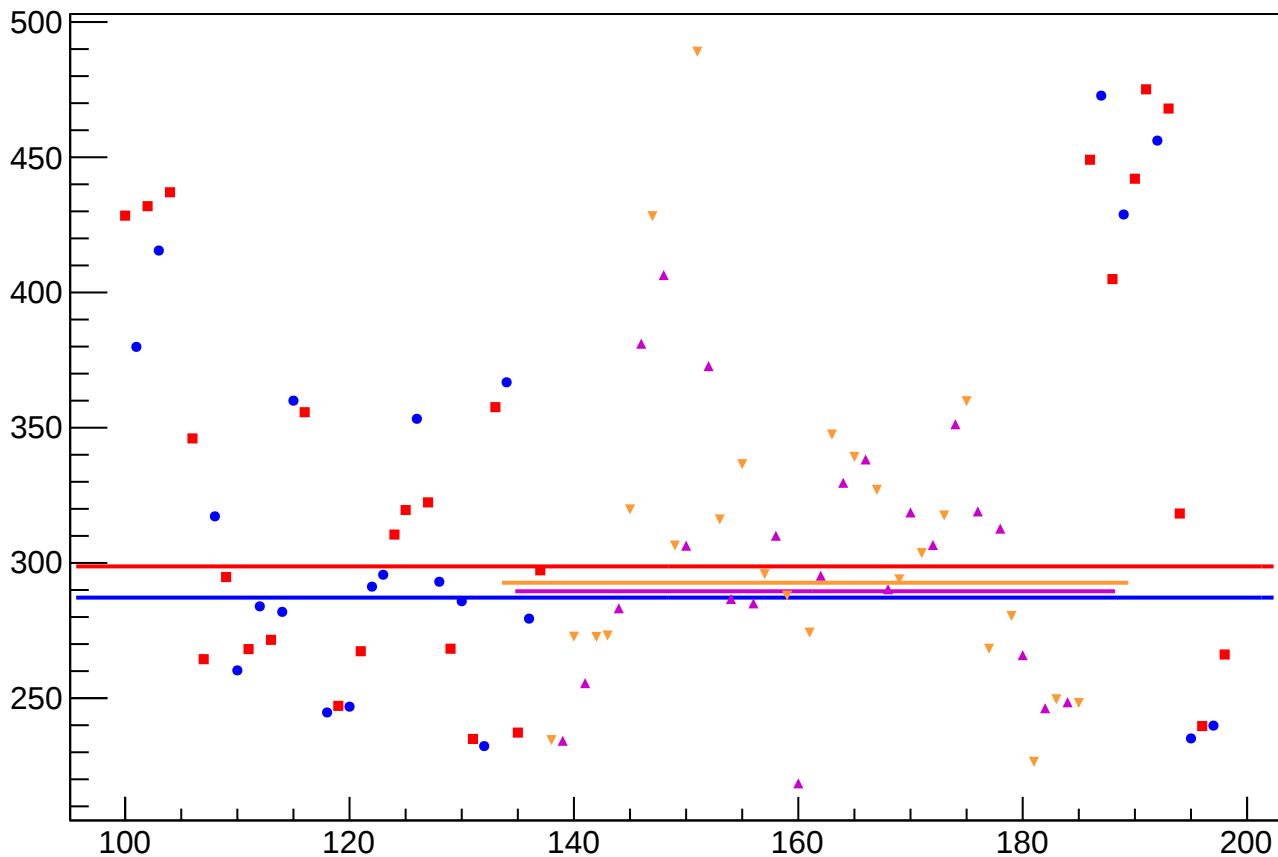
Right: -372.236 ± 64.905 $\chi^2/\text{NDF}: 4718.9/48$

In: 45.498 ± 56.832 $\chi^2/\text{NDF}: 1758.8/44$

Out: 319.473 ± 54.815 $\chi^2/\text{NDF}: 4745.4/51$

All: 187.434 ± 39.454 $\chi^2/\text{NDF}: 6516.3/96$

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 287.183 ± 0.067 χ^2/NDF : 871751.7/21

Left Out: 292.686 ± 0.049 χ^2/NDF : 925193.6/24

Right Out: 298.720 ± 0.063 χ^2/NDF : 1136962.5/26

Left In: 289.522 ± 0.050 χ^2/NDF : 777901.0/22

Left: 291.134 ± 0.035 χ^2/NDF : 1705121.5/47

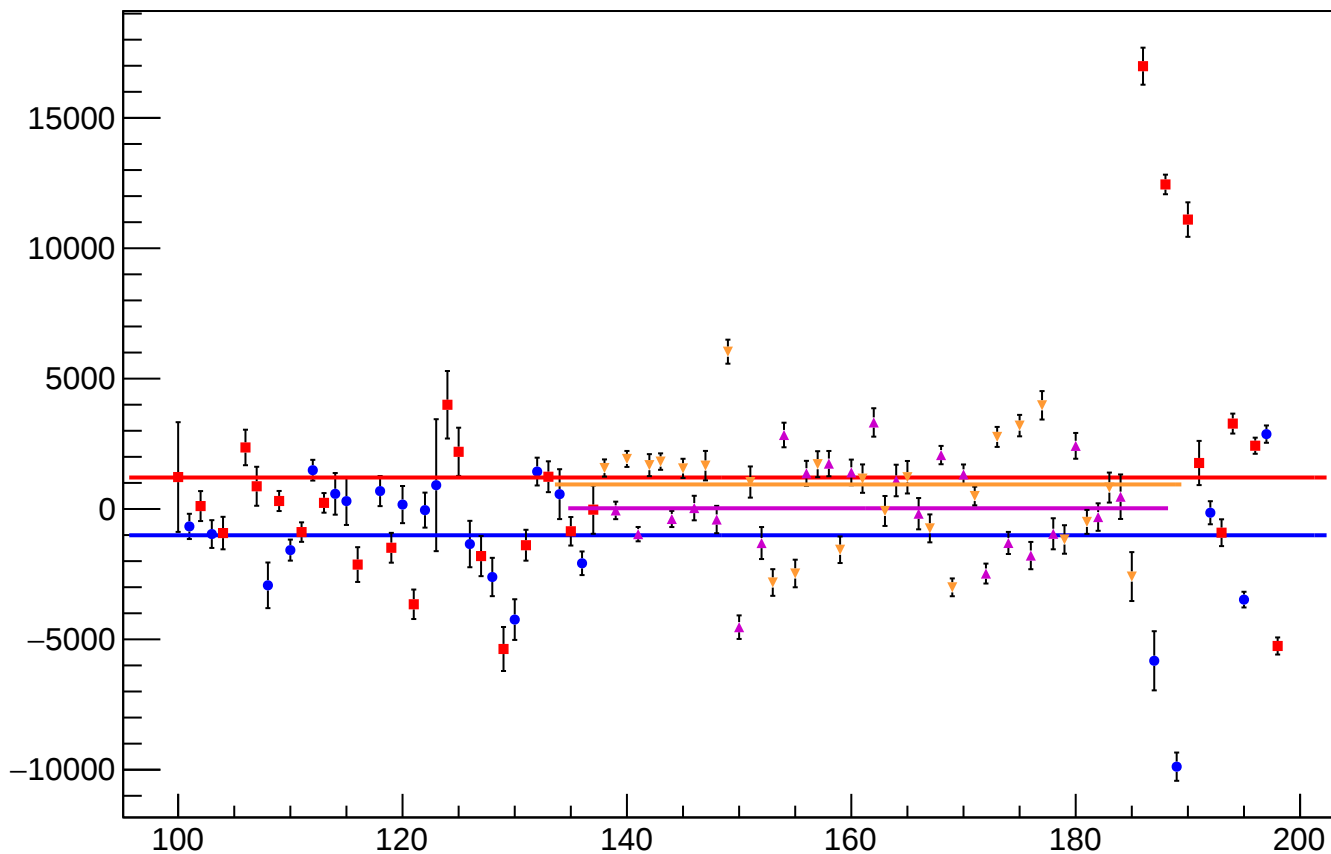
Right: 293.326 ± 0.046 χ^2/NDF : 2024447.3/48

In: 288.683 ± 0.040 χ^2/NDF : 1650431.6/44

Out: 294.977 ± 0.039 χ^2/NDF : 2067865.4/51

All: 291.944 ± 0.028 χ^2/NDF : 3731006.0/96

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -1007.785 ± 115.205 χ^2/NDF : 612.1/21

Left Out: 941.598 ± 89.119 χ^2/NDF : 544.6/24

Right Out: 1207.701 ± 101.343 χ^2/NDF : 2362.3/26

Left In: 27.763 ± 92.331 χ^2/NDF : 362.5/22

Left: 500.853 ± 64.122 χ^2/NDF : 957.8/47

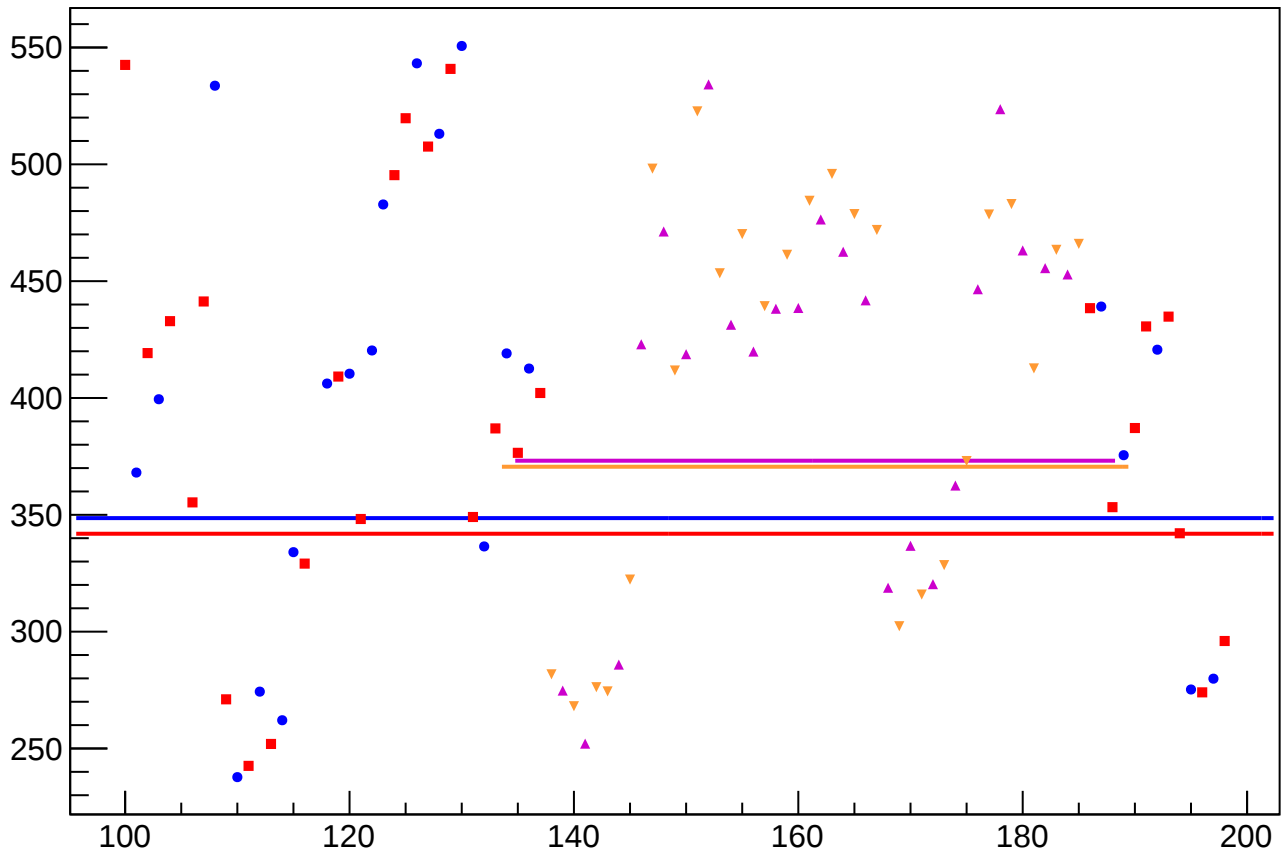
Right: 241.194 ± 76.092 χ^2/NDF : 3182.9/48

In: -377.248 ± 72.047 χ^2/NDF : 1023.8/44

Out: 1057.641 ± 66.924 χ^2/NDF : 2910.8/51

All: 393.029 ± 49.034 χ^2/NDF : 4147.6/96

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 348.595 $\pm$ 0.081 χ^2/NDF : 1076480.6/21

Left Out: 370.580 $\pm$ 0.063 χ^2/NDF : 1878118.9/24

Right Out: 341.904 $\pm$ 0.072 χ^2/NDF : 1090131.3/26

Left In: 373.161 $\pm$ 0.065 χ^2/NDF : 1636244.2/22

Left: 371.824 $\pm$ 0.045 χ^2/NDF : 3515172.3/47

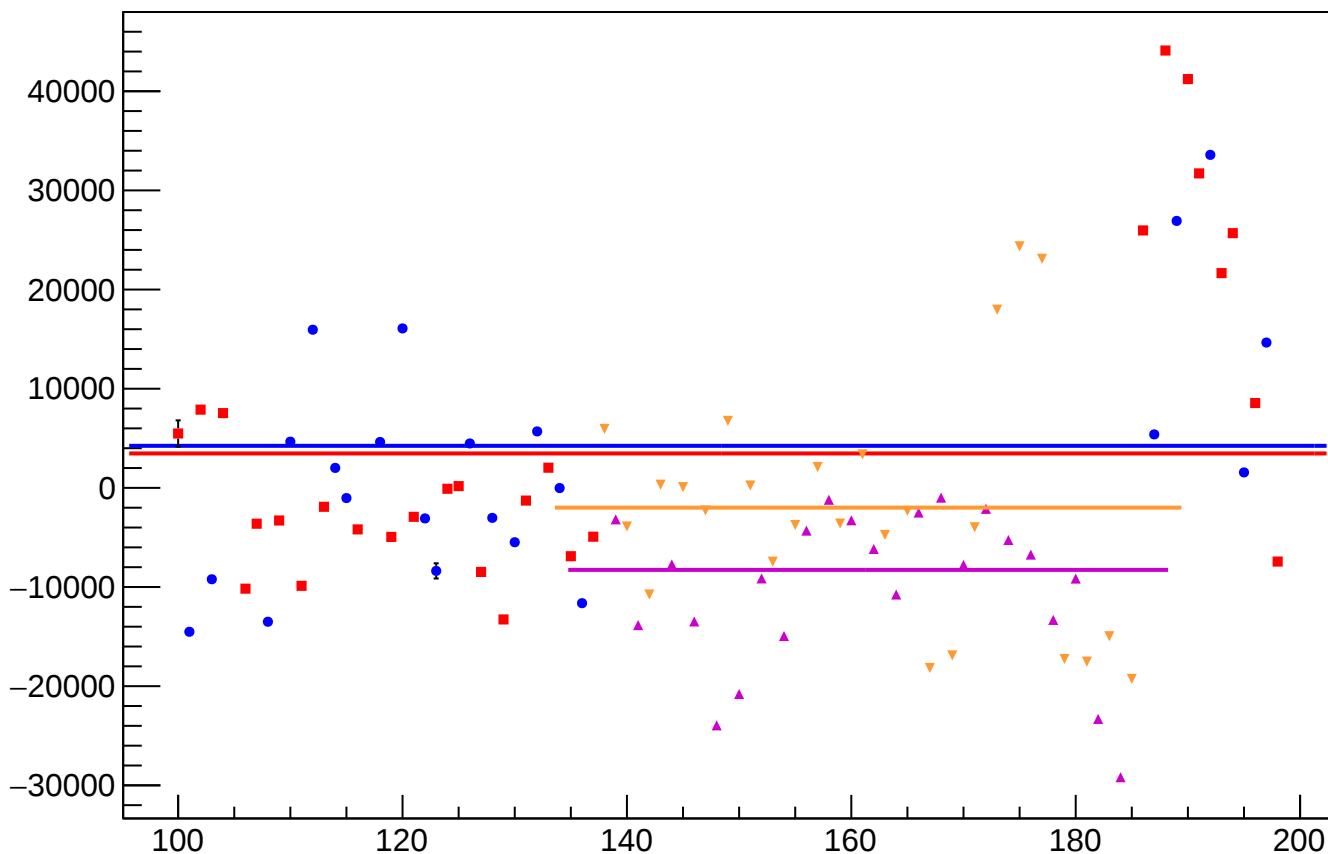
Right: 344.823 $\pm$ 0.054 χ^2/NDF : 2170414.6/48

In: 363.553 $\pm$ 0.051 χ^2/NDF : 2768098.3/44

Out: 358.075 $\pm$ 0.047 χ^2/NDF : 3058548.2/51

All: 360.612 $\pm$ 0.035 χ^2/NDF : 5832853.2/96

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 4240.789+/-48.060 χ^2/NDF : 70934.3/21

Left Out: -1991.788+/-42.427 χ^2/NDF : 63766.6/24

Right Out: 3471.578+/-43.661 χ^2/NDF : 130291.2/26

Left In: -8273.228+/-44.301 χ^2/NDF : 22870.2/22

Left: -4996.810+/-30.641 χ^2/NDF : 97123.2/47

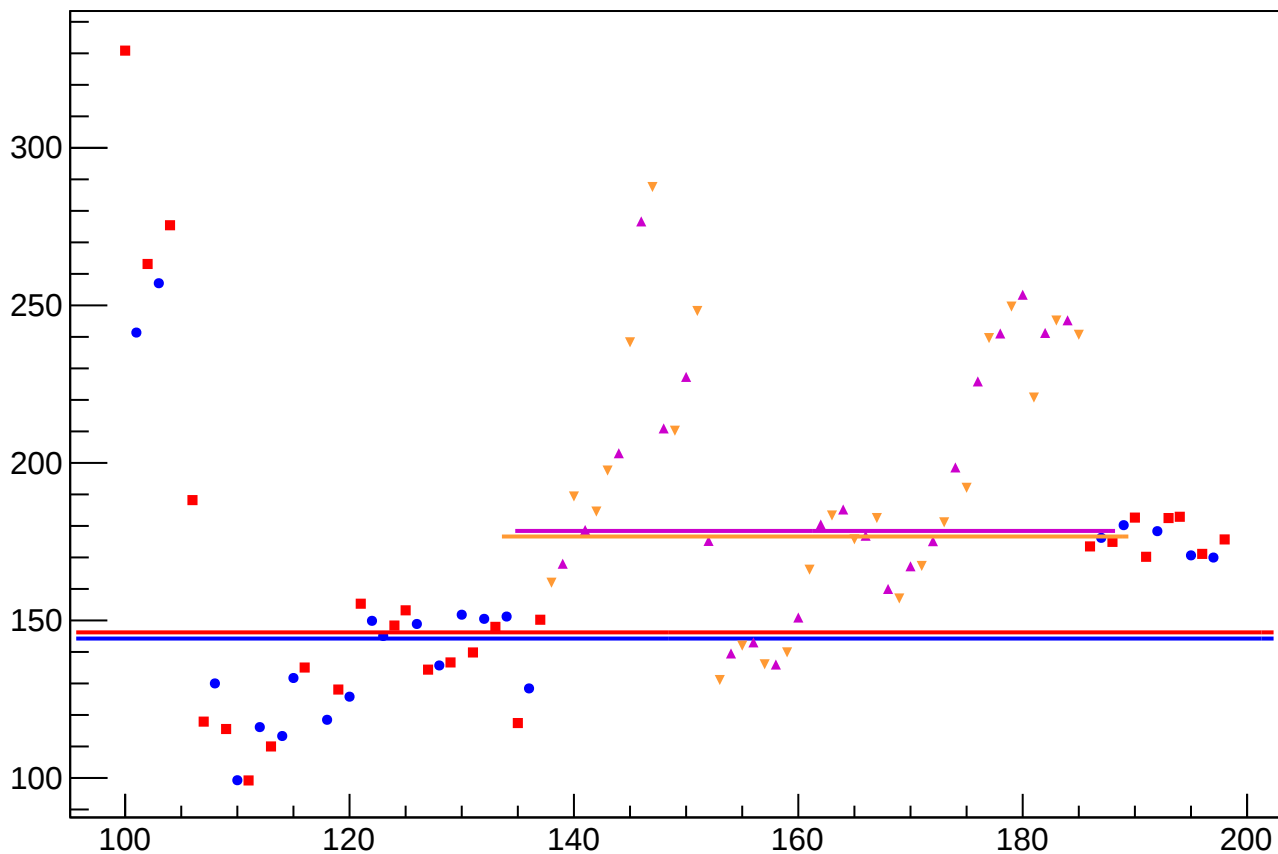
Right: 3819.372+/-32.317 χ^2/NDF : 201365.9/48

In: -2524.718+/-32.574 χ^2/NDF : 130458.5/44

Out: 661.591+/-30.427 χ^2/NDF : 202111.2/51

All: -823.127+/-22.235 χ^2/NDF : 337679.6/96

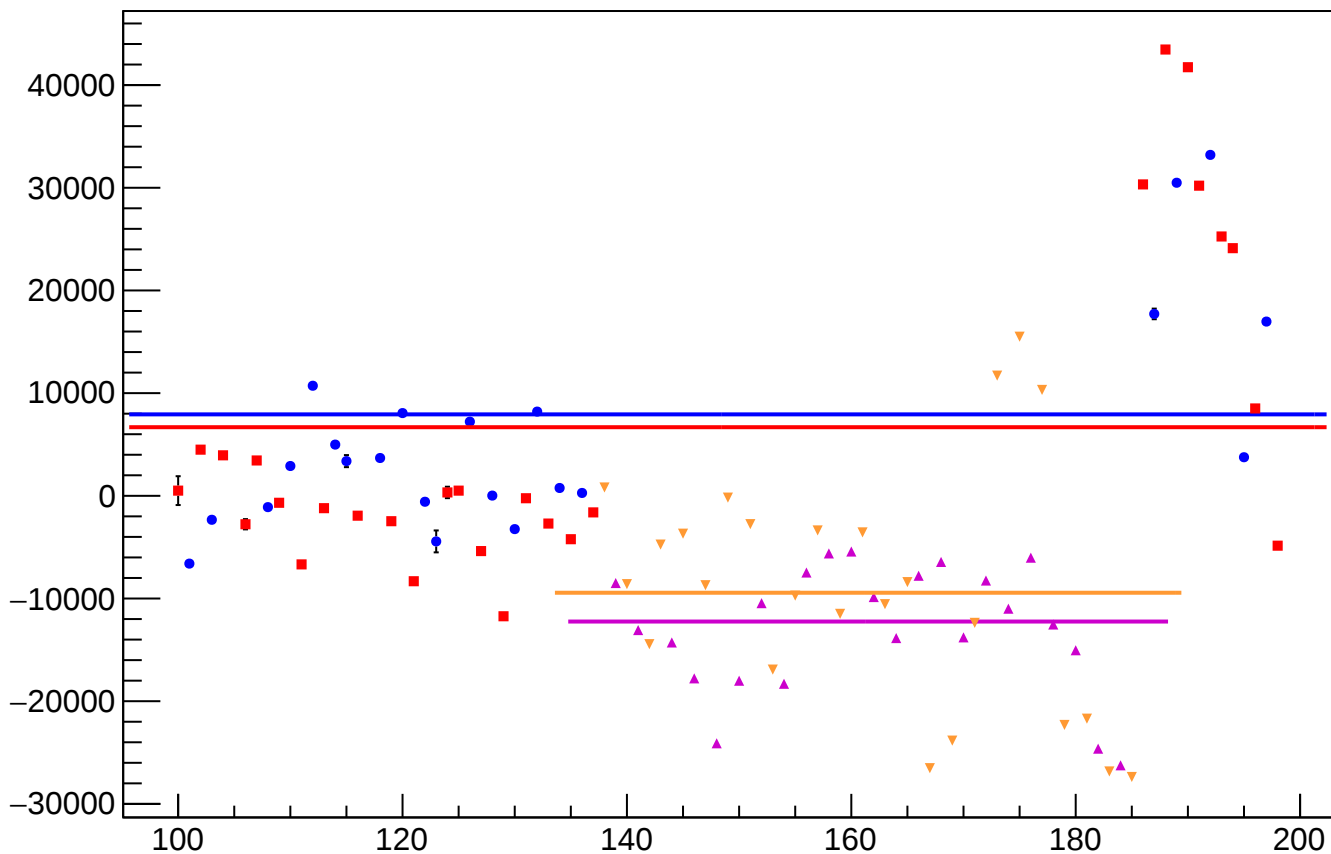
asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 144.251 ± 0.034 χ^2/NDF : 899396.0/21
 Left Out: 176.641 ± 0.030 χ^2/NDF : 1551048.8/24
 Right Out: 146.215 ± 0.031 χ^2/NDF : 1270197.5/26
 Left In: 178.413 ± 0.031 χ^2/NDF : 1293736.2/22

Left: 177.489 ± 0.022 χ^2/NDF : 2846455.0/47
 Right: 145.327 ± 0.023 χ^2/NDF : 2171422.7/48
 In: 162.720 ± 0.023 χ^2/NDF : 2739449.1/44
 Out: 161.864 ± 0.022 χ^2/NDF : 3320789.1/51
 All: 162.263 ± 0.016 χ^2/NDF : 6060976.7/96

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 7932.653 ± 58.102 $\chi^2/\text{NDF}: 33338.7/21$

Left Out: -9437.408 ± 45.534 $\chi^2/\text{NDF}: 62220.4/24$

Right Out: 6682.746 ± 51.116 $\chi^2/\text{NDF}: 100329.4/26$

Left In: -12242.226 ± 43.944 $\chi^2/\text{NDF}: 16615.8/22$

Left: -10889.638 ± 31.621 $\chi^2/\text{NDF}: 80800.7/47$

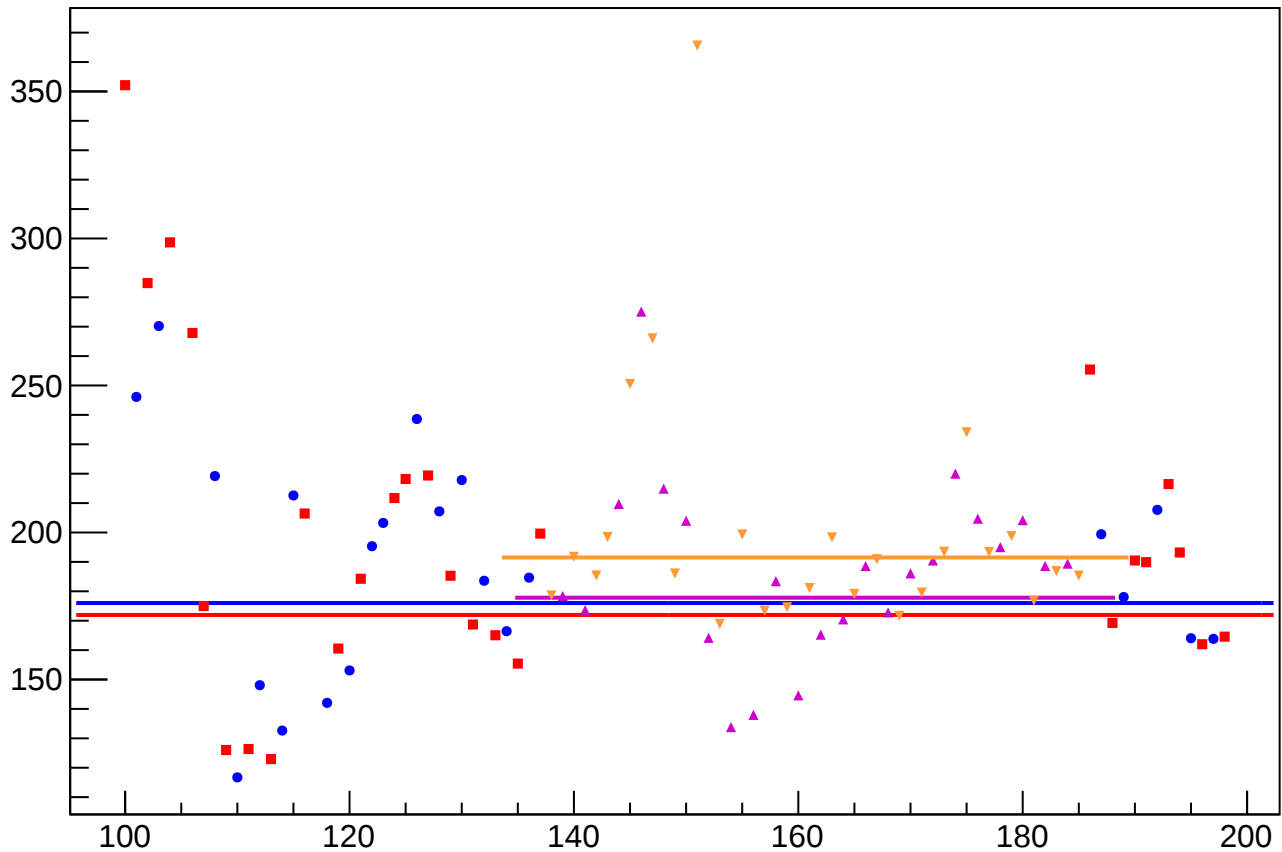
Right: 7228.072 ± 38.378 $\chi^2/\text{NDF}: 133928.9/48$

In: -4901.001 ± 35.049 $\chi^2/\text{NDF}: 126650.3/44$

Out: -2305.207 ± 34.000 $\chi^2/\text{NDF}: 218001.4/51$

All: -3563.701 ± 24.404 $\chi^2/\text{NDF}: 347477.6/9$

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 176.010 $\pm$ 0.041 χ^2 /NDF: 750925.5/21

Left Out: 191.507 $\pm$ 0.032 χ^2 /NDF: 727251.6/24

Right Out: 171.955 $\pm$ 0.036 χ^2 /NDF: 1123366.7/26

Left In: 177.821 $\pm$ 0.031 χ^2 /NDF: 862494.4/22

Left: 184.421 $\pm$ 0.022 χ^2 /NDF: 1683284.8/47

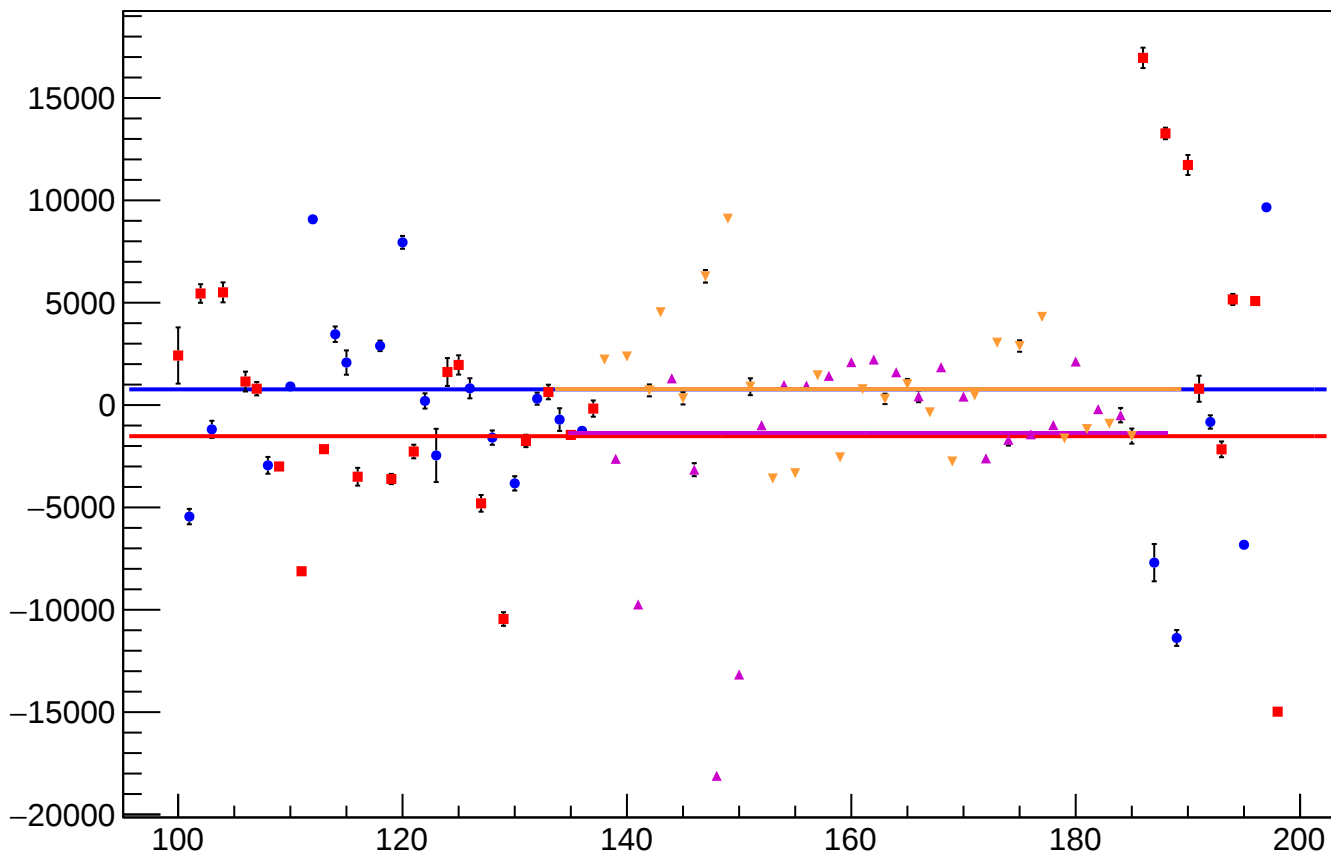
Right: 173.724 $\pm$ 0.027 χ^2 /NDF: 1879784.3/48

In: 177.162 $\pm$ 0.025 χ^2 /NDF: 1614656.1/44

Out: 182.856 $\pm$ 0.024 χ^2 /NDF: 2013763.5/51

All: 180.096 $\pm$ 0.017 χ^2 /NDF: 3655612.7/96

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 767.204 $\pm$ 65.545 χ^2/NDF : 7071.7/21

Left Out: 779.983 $\pm$ 47.457 χ^2/NDF :4260.8/24

Right Out: -1519.582 $\pm$ 57.980 χ^2/NDF : 13834.7/26

Left In: -1363.043 $\pm$ 45.807 χ^2/NDF :11632.9/22

Left: -329.448 $\pm$ -32.958 χ^2/NDF : 16949.3/47

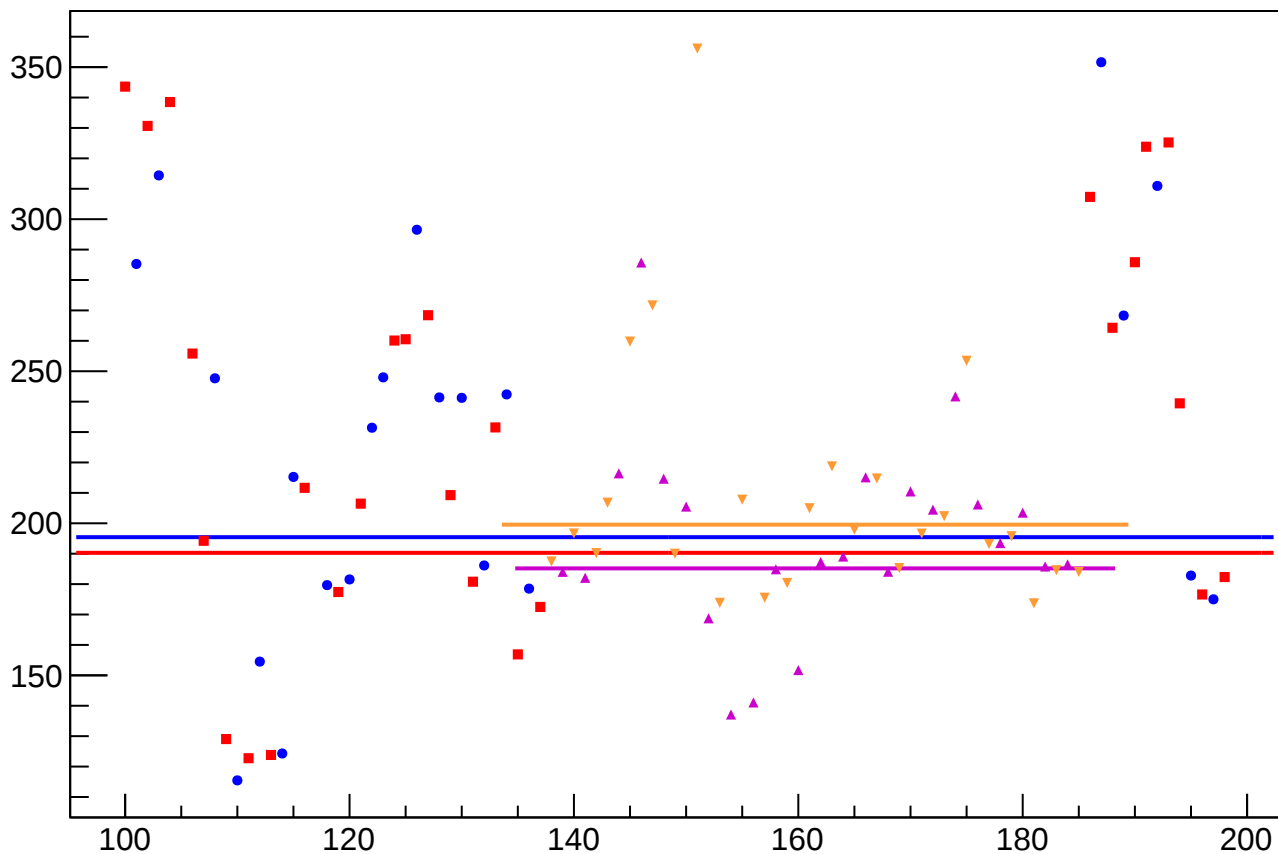
Right: -515.712 $\pm$ -43.428 χ^2/NDF : 21589.4/48

In: -664.031 $\pm$ -37.546 χ^2/NDF :19414.3/44

Out: -142.558 $\pm$ -36.724 χ^2/NDF :19037.4/51

All: -397.521 $\pm$ -26.254 χ^2/NDF : 38550.3/96

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 195.435 ± 0.046 χ^2/NDF : 1394457.9/21

Left Out: 199.547 ± 0.034 χ^2/NDF : 729356.3/24

Right Out: 190.288 ± 0.041 χ^2/NDF : 2127451.8/26

Left In: 185.171 ± 0.032 χ^2/NDF : 882752.2/22

Left: 192.104 ± 0.023 χ^2/NDF : 1707122.0/47

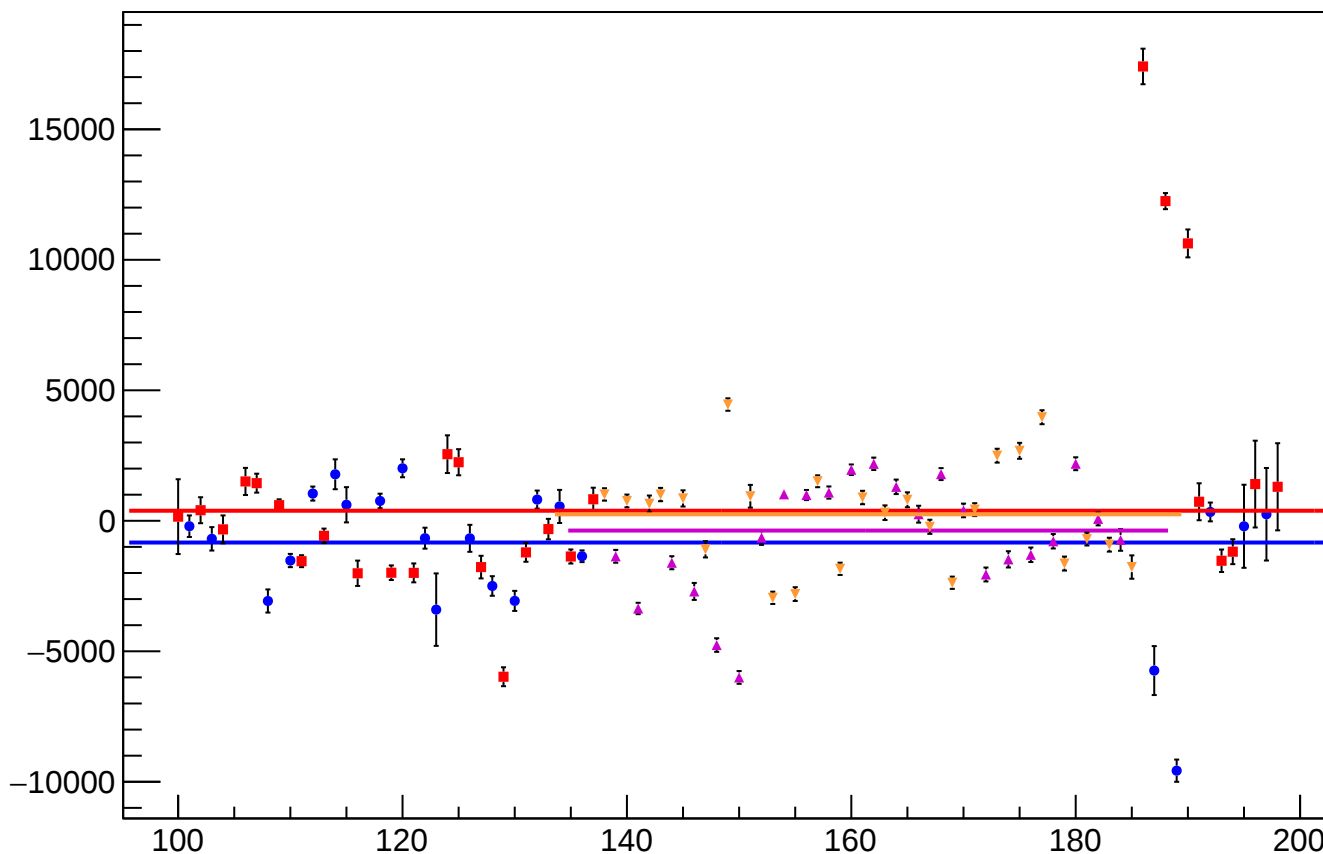
Right: 192.547 ± 0.031 χ^2/NDF : 3528828.6/48

In: 188.539 ± 0.027 χ^2/NDF : 2310162.6/44

Out: 195.832 ± 0.026 χ^2/NDF : 2887349.2/51

All: 192.266 ± 0.019 χ^2/NDF : 5236082.7/96

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -832.754 ± 83.944 $\chi^2/\text{NDF}: 760.0/21$

Left Out: 247.844 ± 53.555 $\chi^2/\text{NDF}: 1355.1/24$

Right Out: 385.536 ± 75.263 $\chi^2/\text{NDF}: 3162.5/26$

Left In: -374.122 ± 52.049 $\chi^2/\text{NDF}: 1801.0/22$

Left: -72.006 ± 37.325 $\chi^2/\text{NDF}: 3225.5/47$

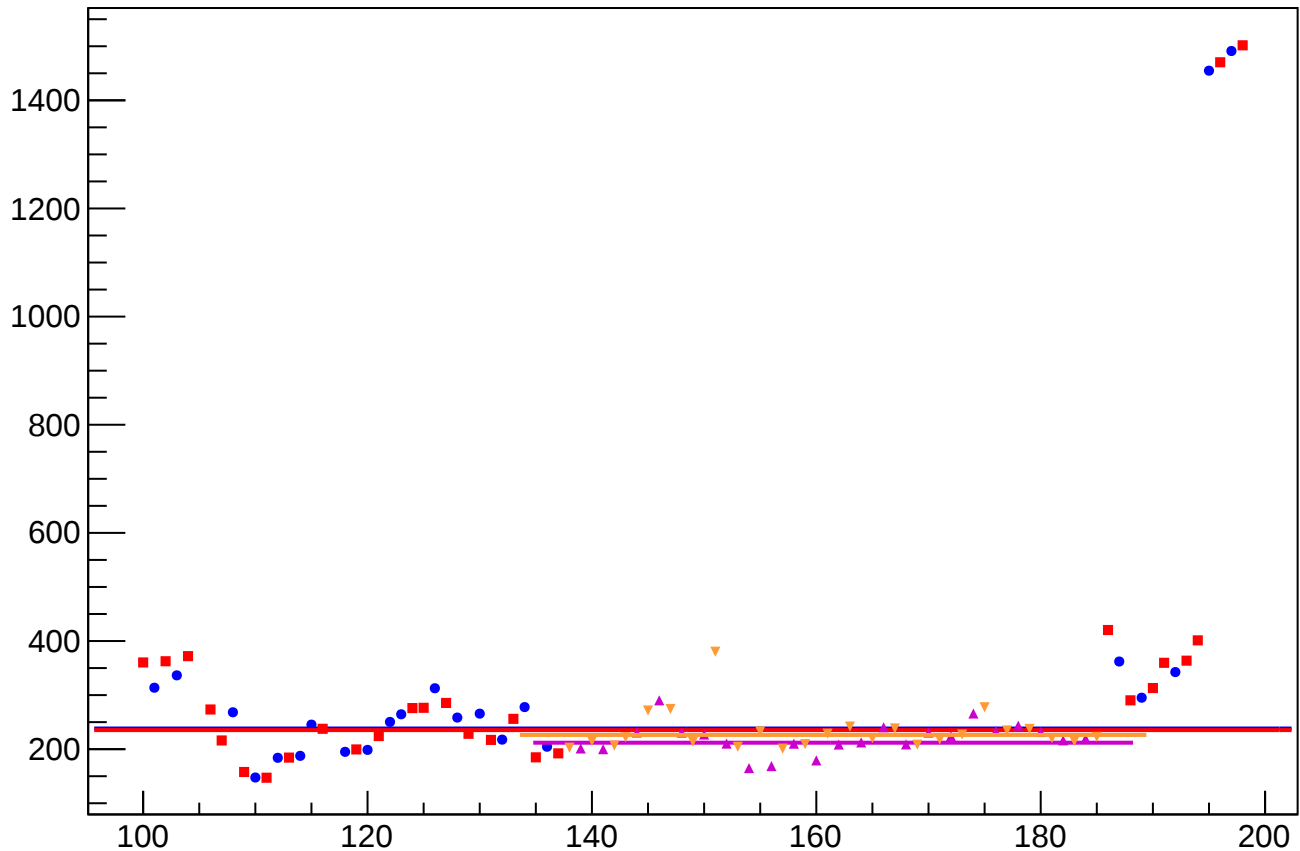
Right: -157.374 ± 56.038 $\chi^2/\text{NDF}: 4039.2/48$

In: -501.481 ± 44.236 $\chi^2/\text{NDF}: 2582.6/44$

Out: 294.127 ± 43.635 $\chi^2/\text{NDF}: 4519.8/51$

All: -98.241 ± 31.065 $\chi^2/\text{NDF}: 7266.3/96$

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 238.192 $\pm$ 0.059 χ^2 /NDF: 3123082.0/21

Left Out: 226.322 $\pm$ 0.038 χ^2 /NDF: 521041.8/24

Right Out: 235.260 $\pm$ 0.053 χ^2 /NDF: 4067046.2/26

Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

Left: 218.941 $\pm$ 0.026 χ^2 /NDF: 1179246.7/47

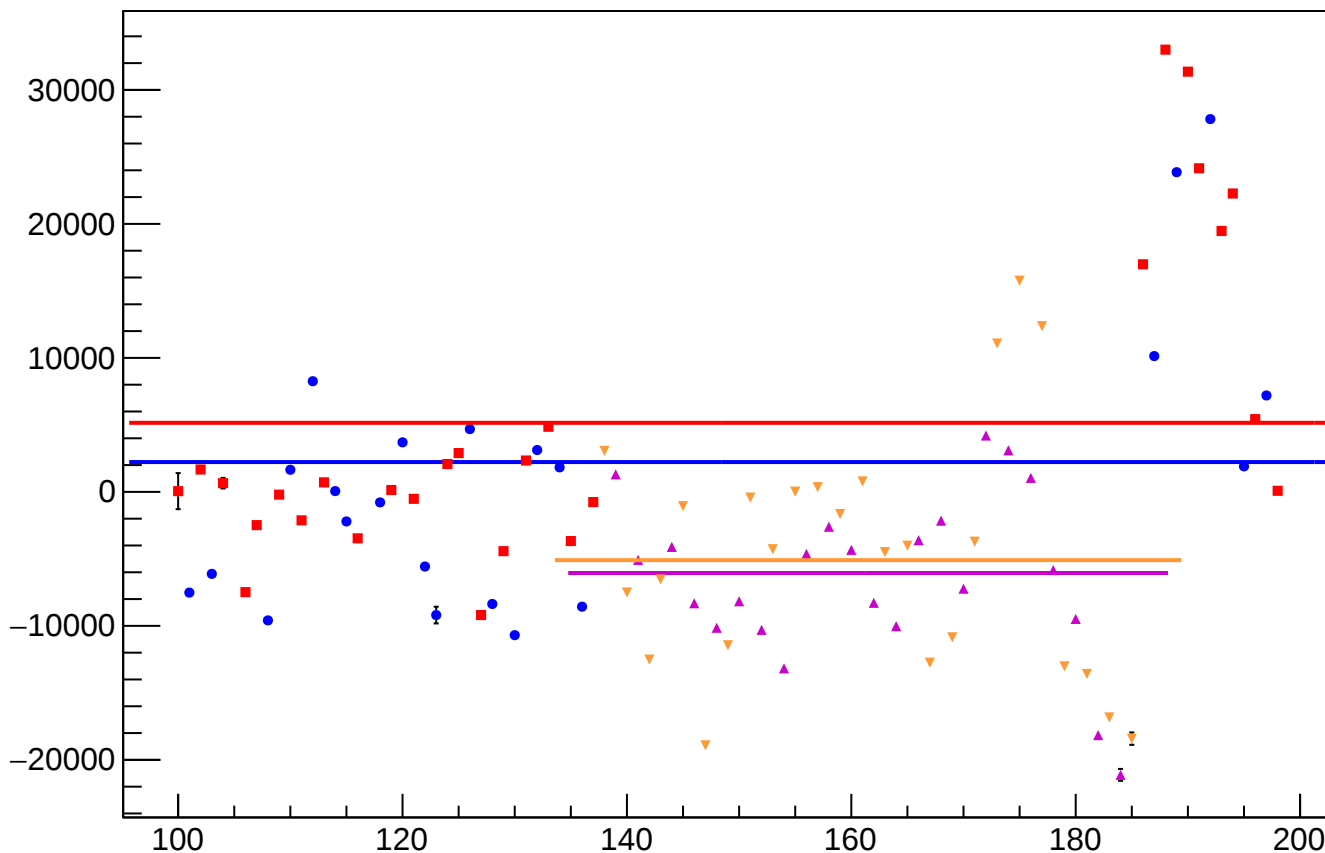
Right: 236.567 $\pm$ 0.040 χ^2 /NDF: 7191480.5/48

In: 219.252 $\pm$ 0.031 χ^2 /NDF: 3848385.0/44

Out: 229.326 $\pm$ 0.031 χ^2 /NDF: 4606815.0/51

All: 224.358 $\pm$ 0.022 χ^2 /NDF: 8507777.3/96

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 2226.329 $\pm$ 40.889 χ^2/NDF : 67216.7/21

Left Out: -5095.305 $\pm$ 33.703 χ^2/NDF : 54395.4/24

Right Out: 5155.853 $\pm$ 36.799 χ^2/NDF : 100652.6/26

Left In: -6053.569 $\pm$ 34.998 χ^2/NDF : 17590.3/22

Left: -5556.386 $\pm$ 24.277 χ^2/NDF : 72374.6/47

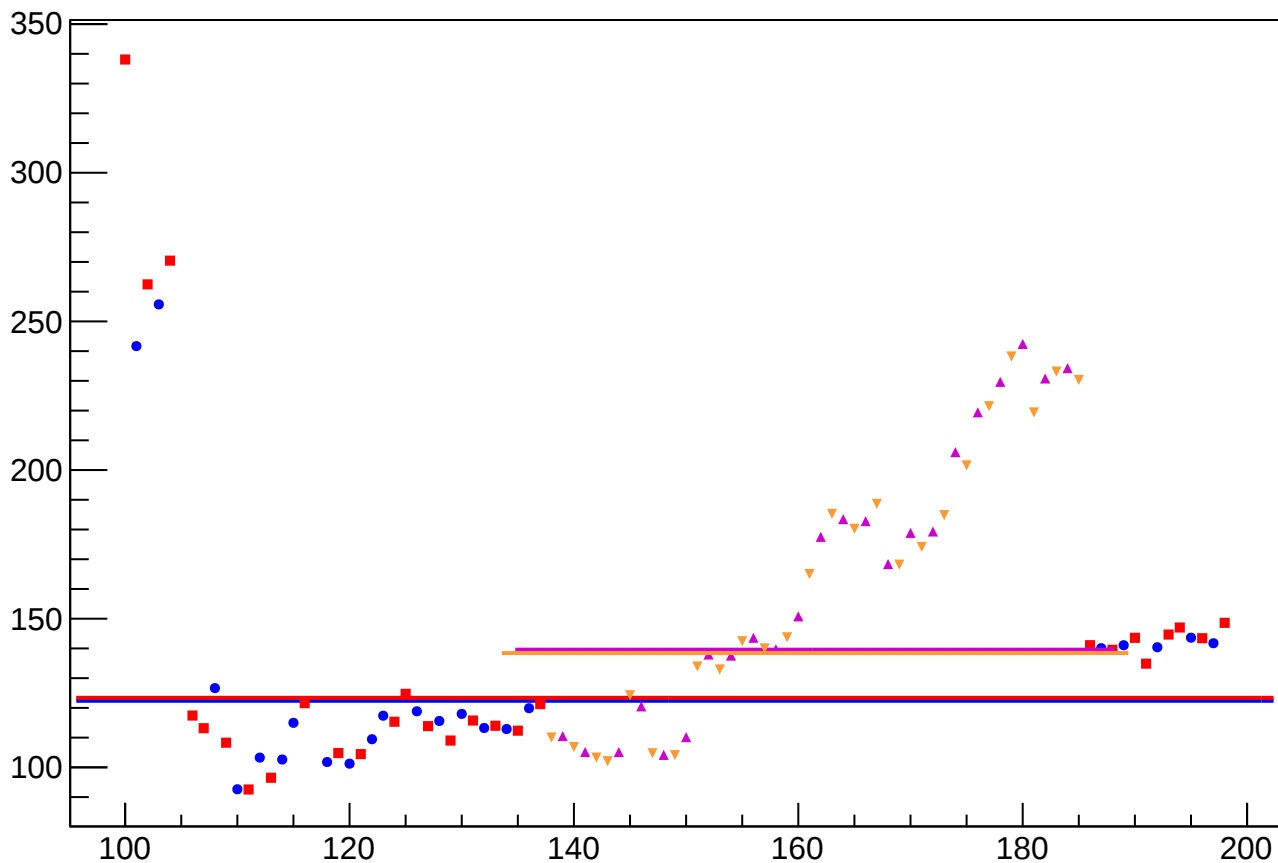
Right: 3844.919 $\pm$ 27.353 χ^2/NDF : 170705.3/48

In: -2552.565 $\pm$ 26.589 χ^2/NDF : 108473.3/44

Out: -418.921 $\pm$ 24.854 χ^2/NDF : 197250.1/51

All: -1413.894 $\pm$ 18.157 χ^2/NDF : 309159.9/99

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 122.395+/-0.029 χ^2/NDF : 896815.7/21

Left Out: 138.436+/-0.024 χ^2/NDF : 2549435.8/24

Right Out: 123.385+/-0.026 χ^2/NDF : 1099476.3/26

Left In: 139.578+/-0.025 χ^2/NDF : 2413658.9/22

Left: 138.985+/-0.017 χ^2/NDF : 4964199.7/47

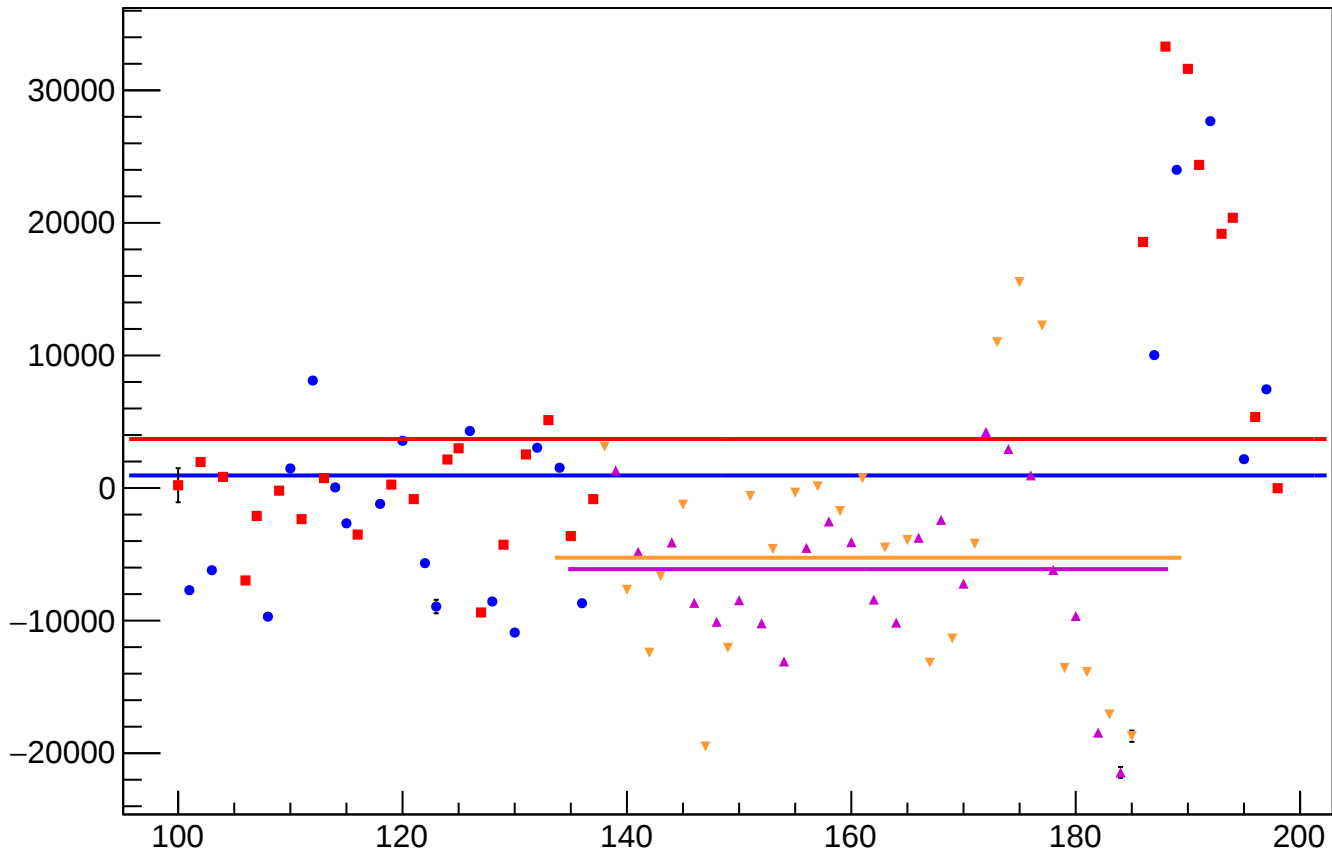
Right: 122.942+/-0.019 χ^2/NDF : 1996939.4/48

In: 132.312+/-0.019 χ^2/NDF : 3514313.2/44

Out: 131.570+/-0.018 χ^2/NDF : 3830856.8/51

All: 131.916+/-0.013 χ^2/NDF : 7346002.6/96

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 949.476+/-35.939 χ^2 /NDF: 72413.0/21

Left Out: -5255.652+/-30.622 χ^2 /NDF:64324.6/24

Right Out: 3696.838+/-32.735 χ^2 /NDF: 107617.7/26

Left In: -6114.901+/-32.126 χ^2 /NDF:21260.9/22

Left: -5664.697+/-22.166 χ^2 /NDF: 85960.3/47

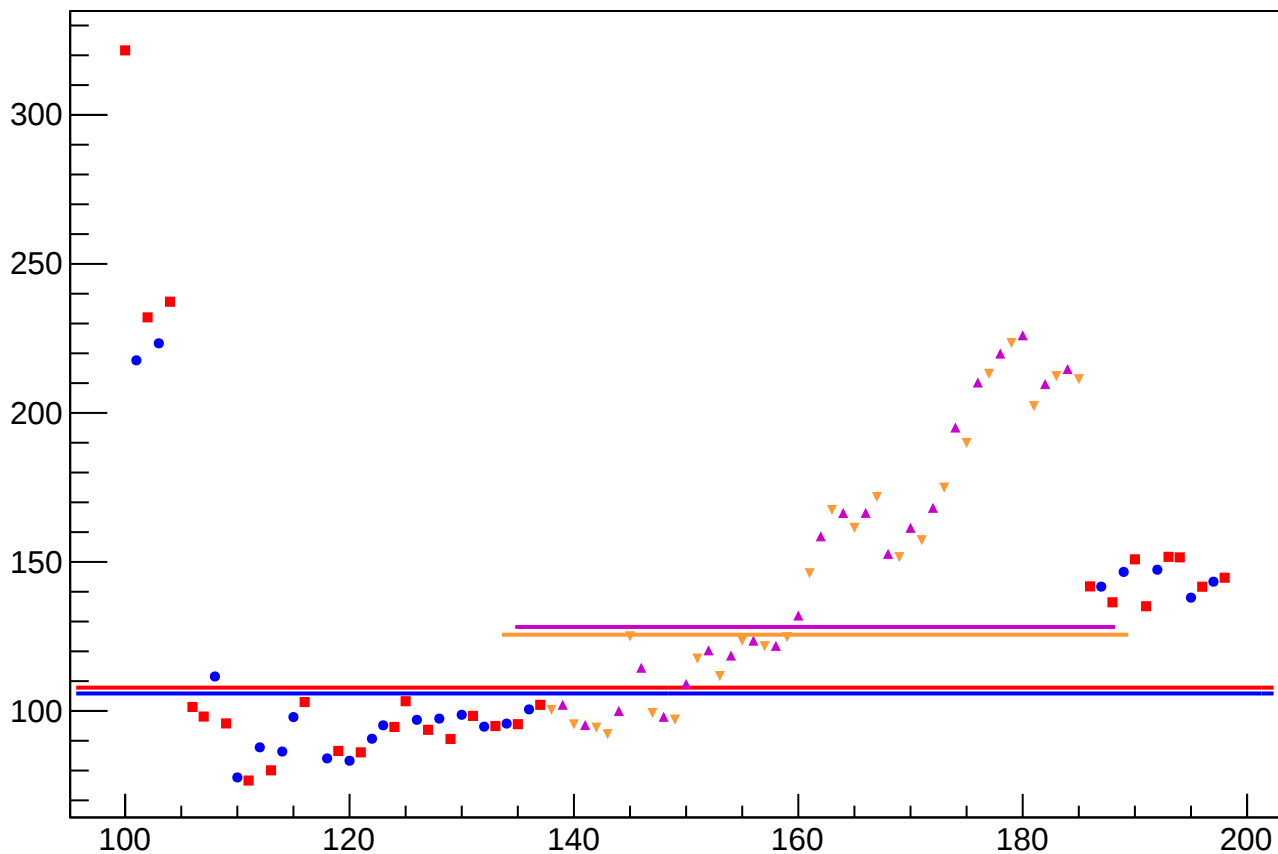
Right: 2451.080+/-24.201 χ^2 /NDF: 183224.6/48

In: -2977.297+/-23.951 χ^2 /NDF:115150.6/44

Out: -1077.626+/-22.363 χ^2 /NDF:211831.0/51

All: -1962.369+/-16.346 χ^2 /NDF: 330342.4/9

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 105.859 $\pm$ 0.025 χ^2/NDF : 1341244.0/21

Left Out: 125.577 $\pm$ 0.022 χ^2/NDF :2595752.6/24

Right Out: 107.822 $\pm$ 0.023 χ^2/NDF : 1736163.7/26

Left In: 128.184 $\pm$ 0.023 χ^2/NDF :2332977.5/22

Left: 126.818 $\pm$ 0.016 χ^2/NDF : 4935627.6/47

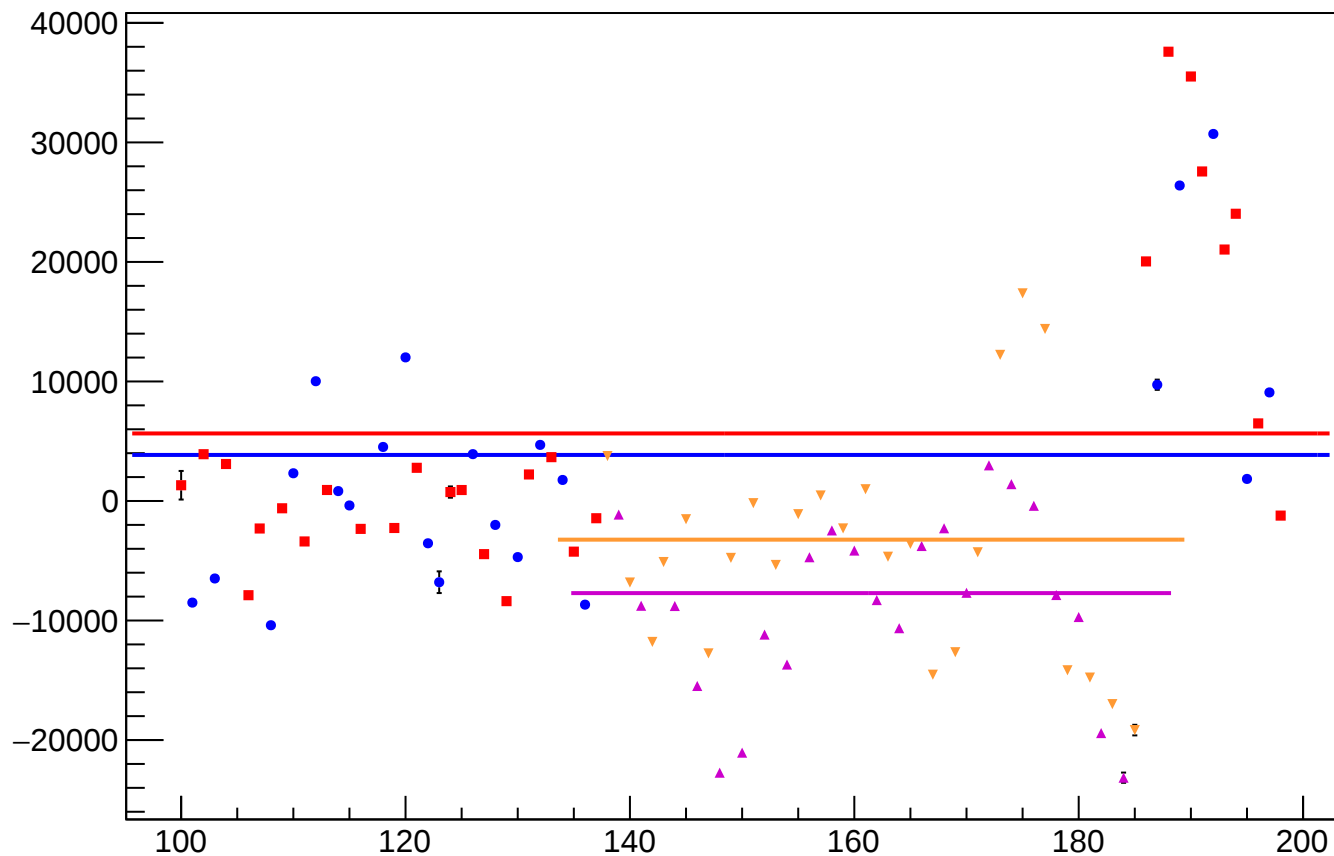
Right: 106.932 $\pm$ 0.017 χ^2/NDF : 3080671.0/48

In: 118.268 $\pm$ 0.017 χ^2/NDF :4103198.3/44

Out: 117.291 $\pm$ 0.016 χ^2/NDF :4645700.1/51

All: 117.746 $\pm$ 0.012 χ^2/NDF : 8750676.0/96

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 3852.978 ± 47.923 $\chi^2/\text{NDF}: 53039.4/21$

Left Out: -3234.922 ± 40.583 $\chi^2/\text{NDF}: 36739.9/24$

Right Out: 5650.659 ± 43.415 $\chi^2/\text{NDF}: 89910.4/26$

Left In: -7707.068 ± 42.990 $\chi^2/\text{NDF}: 21268.3/22$

Left: -5342.284 ± 29.511 $\chi^2/\text{NDF}: 63730.6/47$

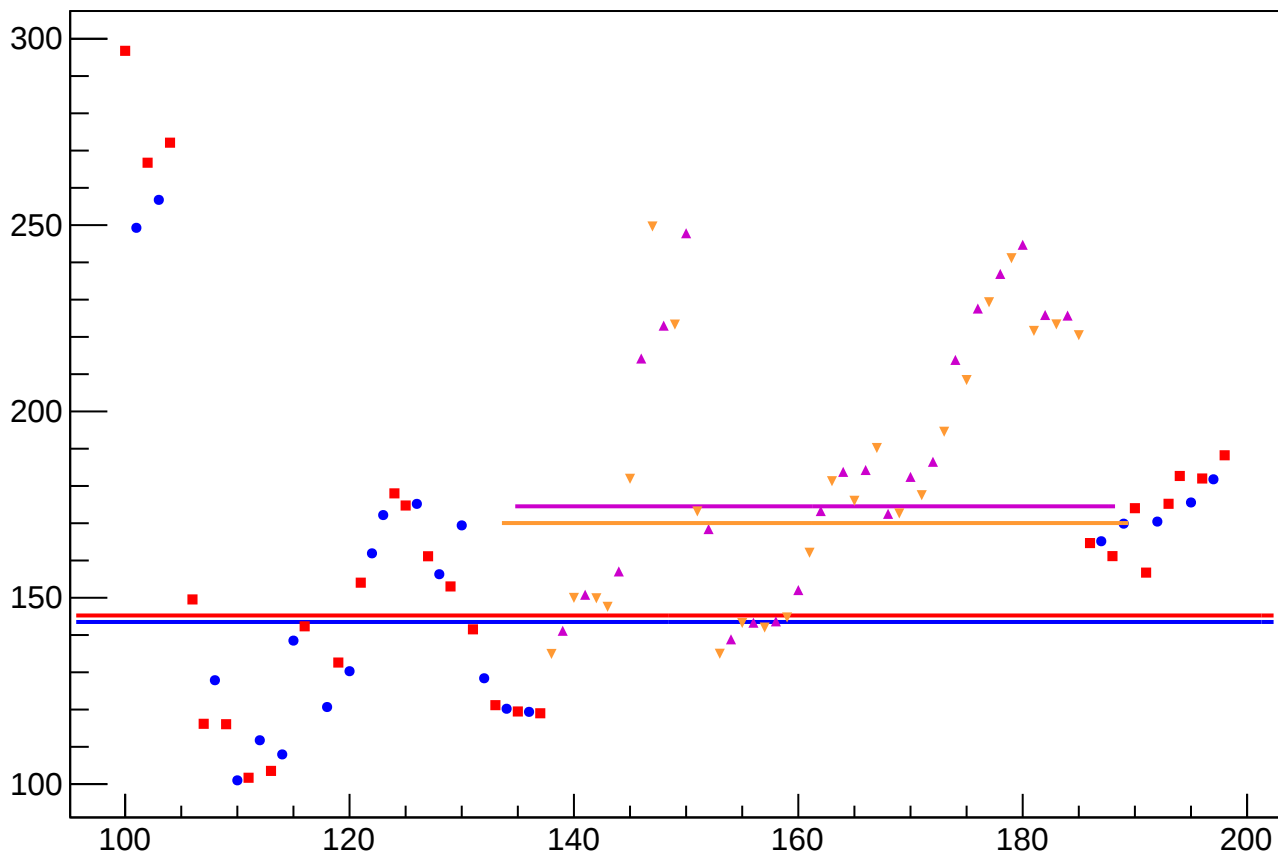
Right: 4840.331 ± 32.175 $\chi^2/\text{NDF}: 143722.7/48$

In: -2552.509 ± 32.001 $\chi^2/\text{NDF}: 106549.5/44$

Out: 908.583 ± 29.647 $\chi^2/\text{NDF}: 149005.2/51$

All: -690.003 ± 21.748 $\chi^2/\text{NDF}: 261849.5/96$

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 143.503 $\pm$ 0.034 χ^2 /NDF: 1035955.5/21

Left Out: 170.050 $\pm$ 0.029 χ^2 /NDF:1240866.9/24

Right Out: 145.246 $\pm$ 0.031 χ^2 /NDF: 1302148.8/26

Left In: 174.539 $\pm$ 0.030 χ^2 /NDF:1210071.2/22

Left: 172.165 $\pm$ 0.021 χ^2 /NDF: 2462472.2/47

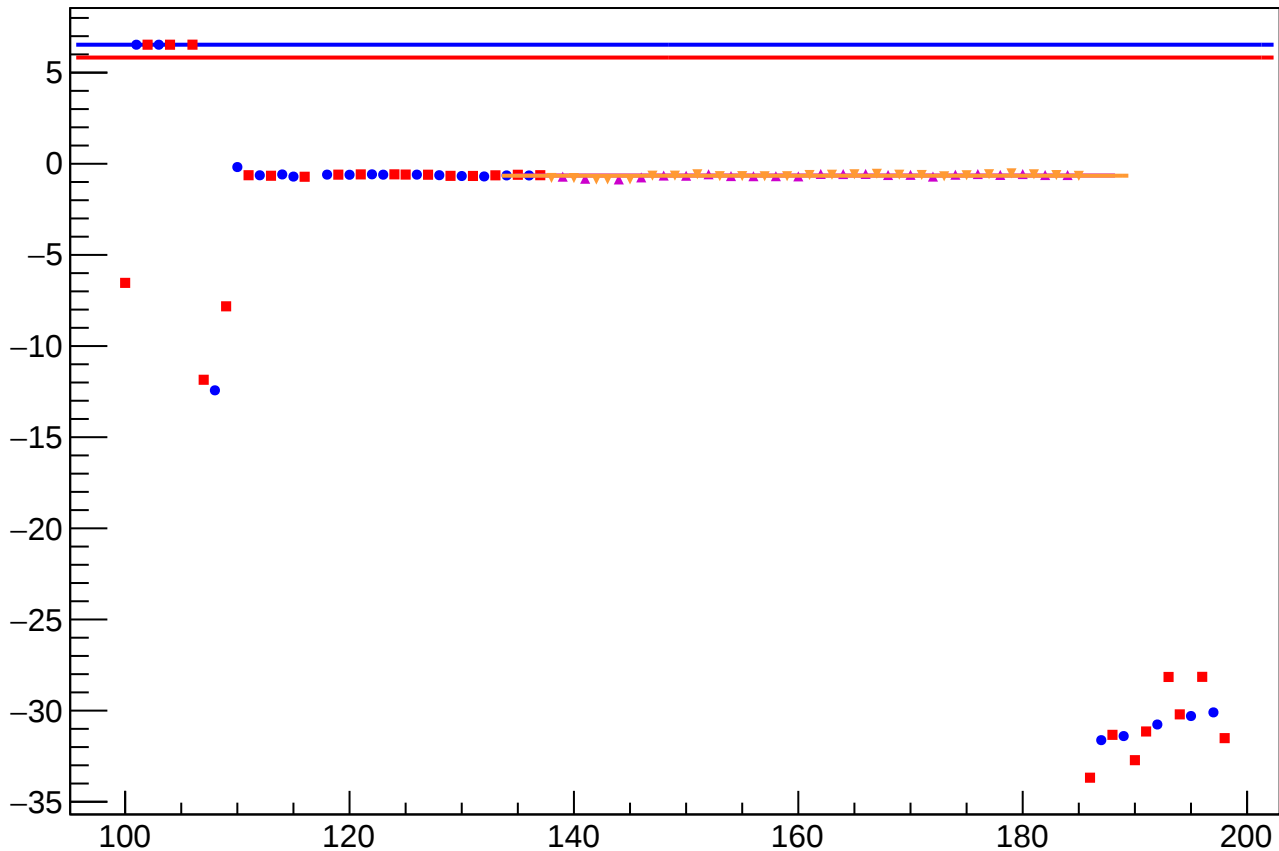
Right: 144.460 $\pm$ 0.023 χ^2 /NDF: 2339556.8/48

In: 160.700 $\pm$ 0.023 χ^2 /NDF:2710822.6/44

Out: 158.483 $\pm$ 0.021 χ^2 /NDF:2891408.6/51

All: 159.507 $\pm$ 0.015 χ^2 /NDF: 5607398.0/96

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532+/-0.000 χ^2/NDF : 127769063985.6/21

Left Out: -0.654+/-0.000 χ^2/NDF : 179109810.4/24

Right Out: 5.827+/-0.000 χ^2/NDF : 755947680056508.2/26

Left In: -0.644+/-0.000 χ^2/NDF : 122913584.0/22

Left: -0.649+/-0.000 χ^2/NDF : 302910331.9/47

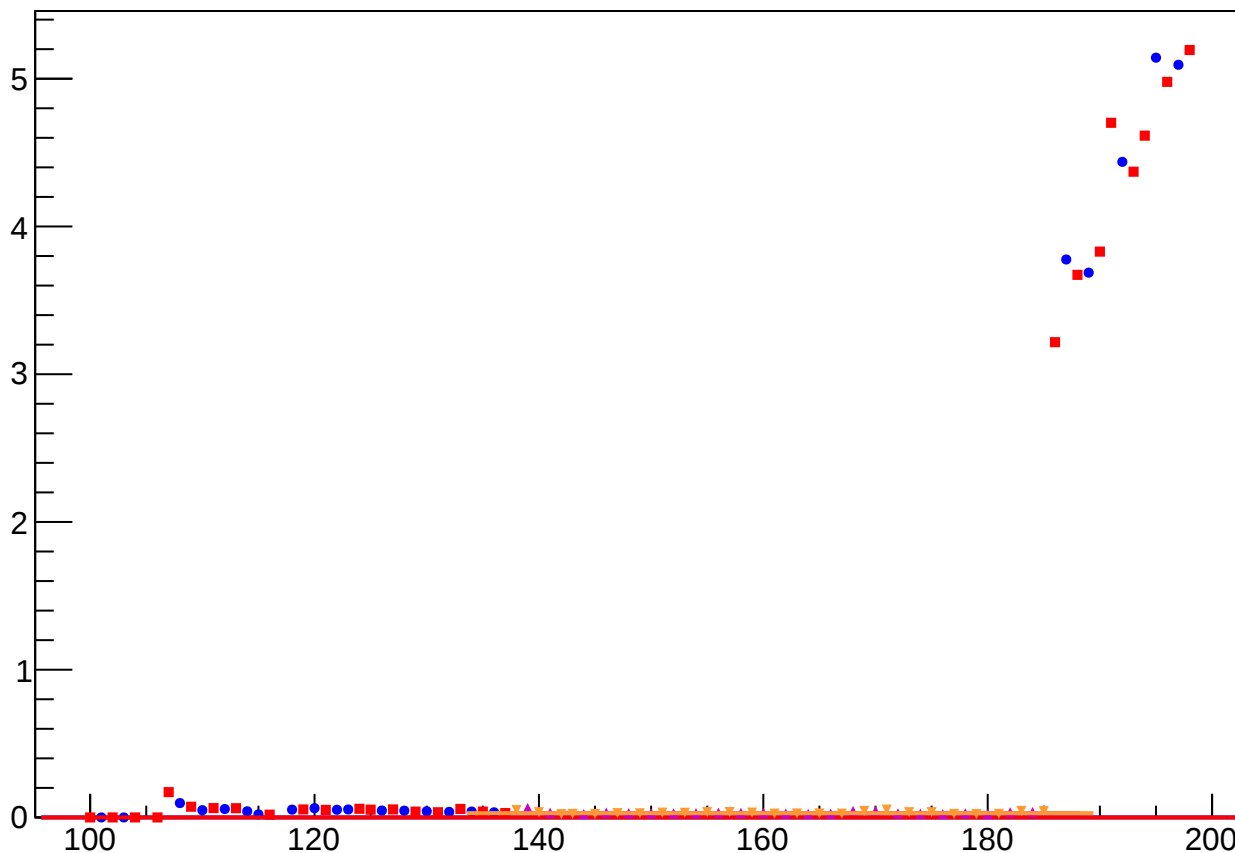
Right: 6.155+/-0.000 χ^2/NDF : 776078618865973.9/47

In: 6.530+/-0.000 χ^2/NDF : 953116465174.1/44

Out: 5.826+/-0.000 χ^2/NDF : 756656708709918.1/50

All: 6.153+/-0.000 χ^2/NDF : 77760198863724.0/97

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 15017135.1/21

Left Out: 0.029+/-0.000 χ^2/NDF :1487017.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 19144901.5/26

Left In: 0.029+/-0.000 χ^2/NDF :1164030.9/22

Left: 0.029+/-0.000 χ^2/NDF : 2651180.7/47

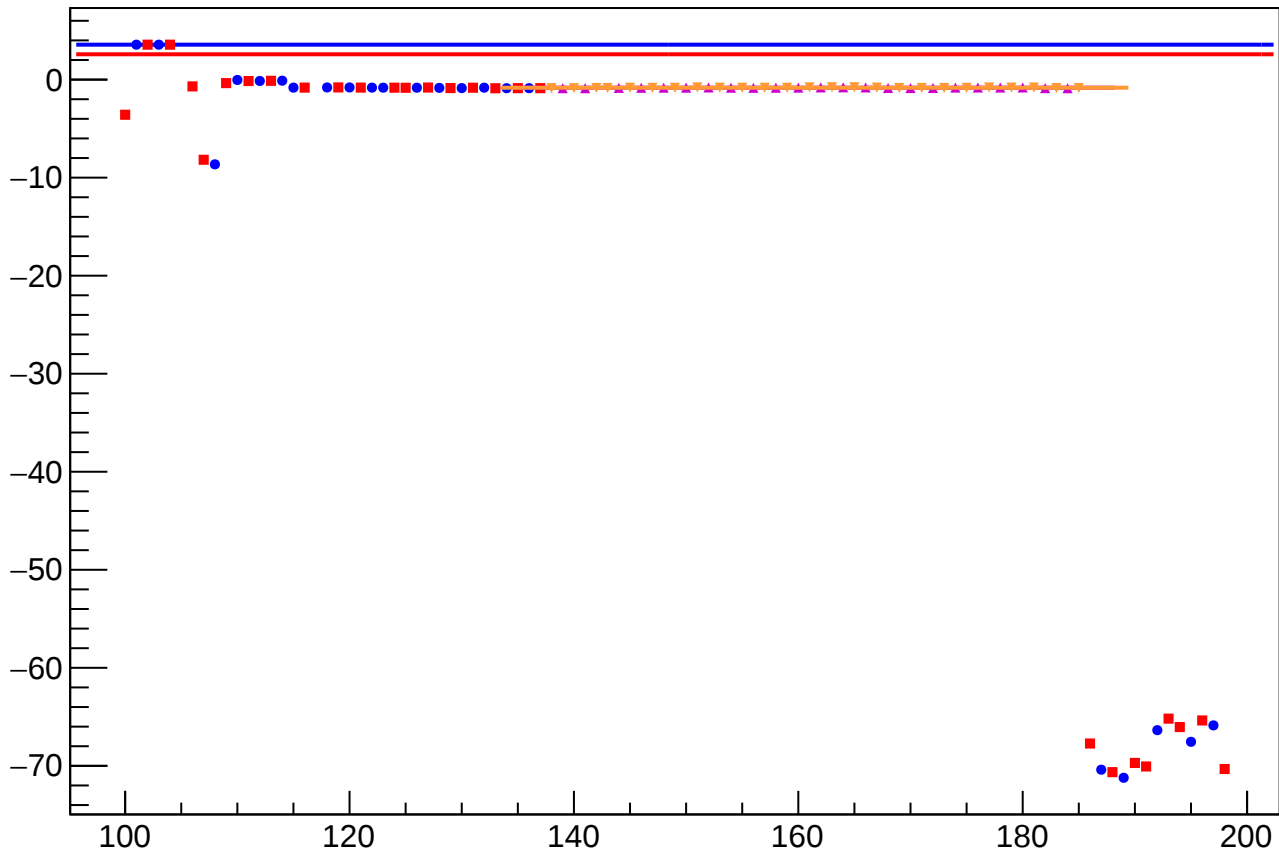
Right: 0.000+/-0.000 χ^2/NDF : 34162285.6/48

In: 0.000+/-0.000 χ^2/NDF :42978824.8/44

Out: 0.000+/-0.000 χ^2/NDF :49020578.2/51

All: 0.000+/-0.000 χ^2/NDF : 91999817.4/96

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000 χ^2/NDF : 496487965653.5/21

Left Out: -0.828+/-0.000 χ^2/NDF : 168178464.8/24

Right Out: 2.583+/-0.000 χ^2/NDF : 1253522282387404.2/26

Left In: -0.827+/-0.000 χ^2/NDF : 172640246.1/22

Left: -0.827+/-0.000 χ^2/NDF : 340927693.4/47

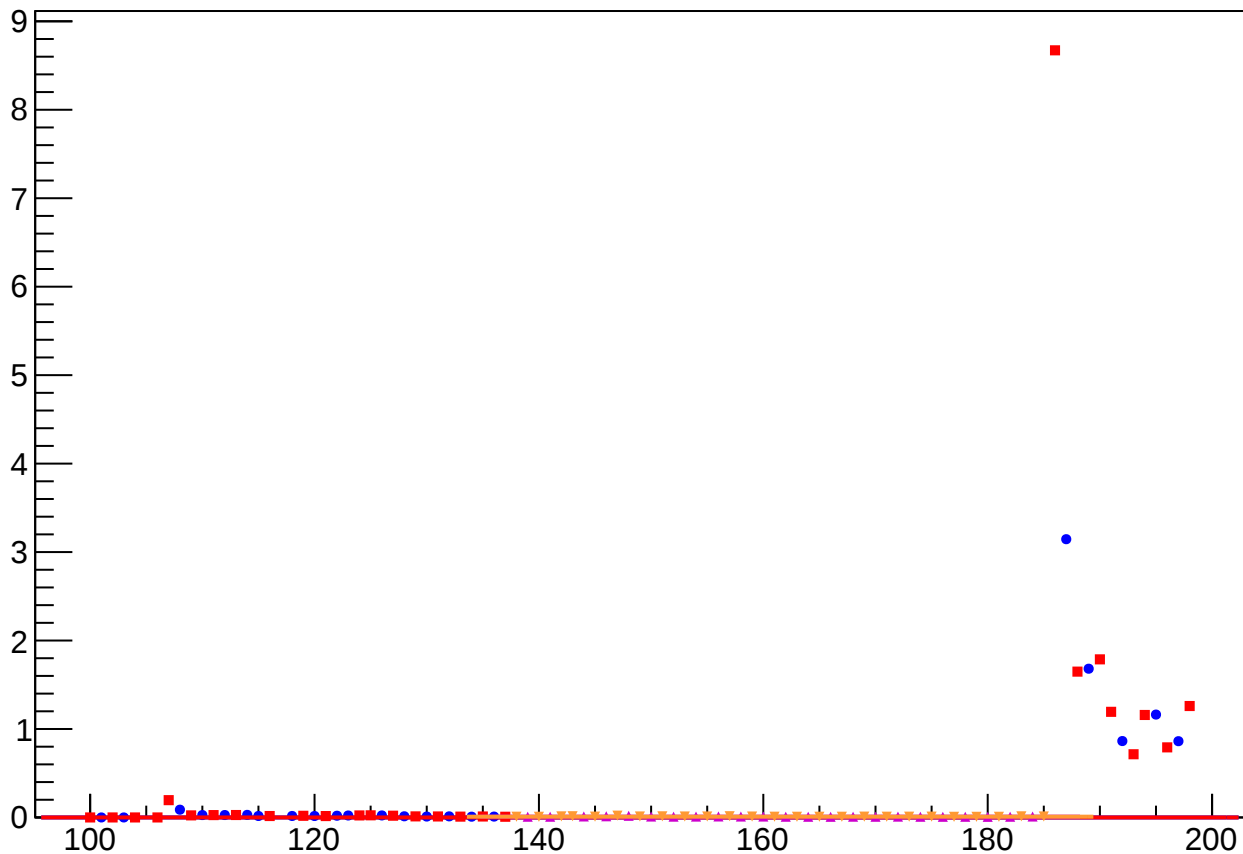
Right: 3.040+/-0.000 χ^2/NDF : 1382290022182156.7

In: 3.560+/-0.000 χ^2/NDF : 4142240310938.8/44

Out: 2.581+/-0.000 χ^2/NDF : 1255744613826039.2

All: 3.038+/-0.000 χ^2/NDF : 13879764955373

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 14752089.1/21

Left Out: 0.009+/-0.000 χ^2/NDF :1454710.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 18304994.0/26

Left In: 0.009+/-0.000 χ^2/NDF :1041524.9/22

Left: 0.009+/-0.000 χ^2/NDF : 2502231.5/47

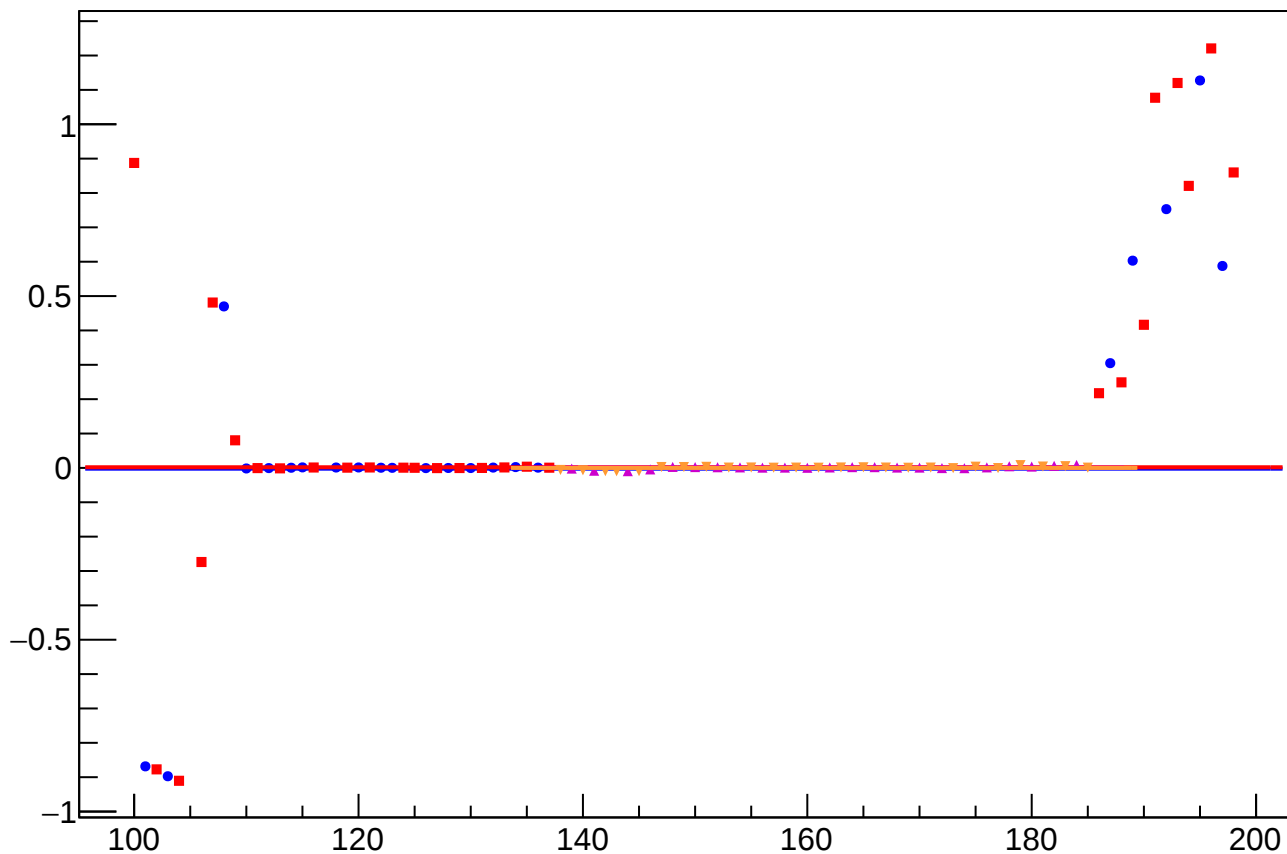
Right: 0.000+/-0.000 χ^2/NDF : 33057362.4/48

In: 0.000+/-0.000 χ^2/NDF :44288183.6/44

Out: 0.000+/-0.000 χ^2/NDF :49723624.2/51

All: 0.000+/-0.000 χ^2/NDF : 94012559.2/96

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.000 χ^2/NDF : 9796097590.1/21

Left Out: -0.000+/-0.000 χ^2/NDF : 151482851.1/24

Right Out: 0.002+/-0.000 χ^2/NDF : 3042481402.7/26

Left In: 0.001+/-0.000 χ^2/NDF : 101439617.3/22

Left: 0.000+/-0.000 χ^2/NDF : 254436385.6/47

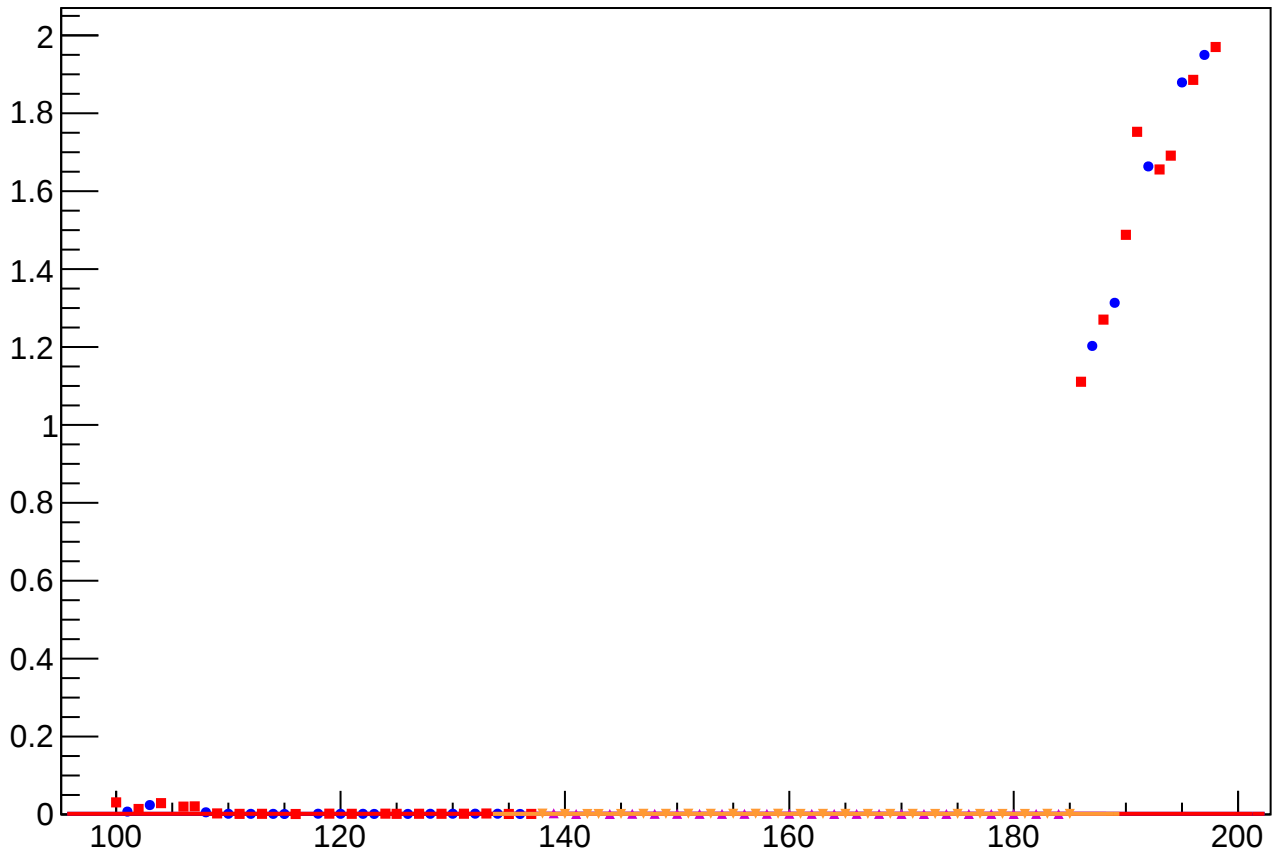
Right: -0.000+/-0.000 χ^2/NDF : 12852348413.6/48

In: -0.000+/-0.000 χ^2/NDF : 9908553463.4/44

Out: 0.000+/-0.000 χ^2/NDF : 3198694643.5/51

All: 0.000+/-0.000 χ^2/NDF : 13107585195.8/99

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 7891574.1/21

Left Out: 0.001+/-0.000 χ^2/NDF :539817.3/24

Right Out: 0.002+/-0.000 χ^2/NDF : 12794072.9/26

Left In: 0.001+/-0.000 χ^2/NDF :626044.8/22

Left: 0.001+/-0.000 χ^2/NDF : 1169603.9/47

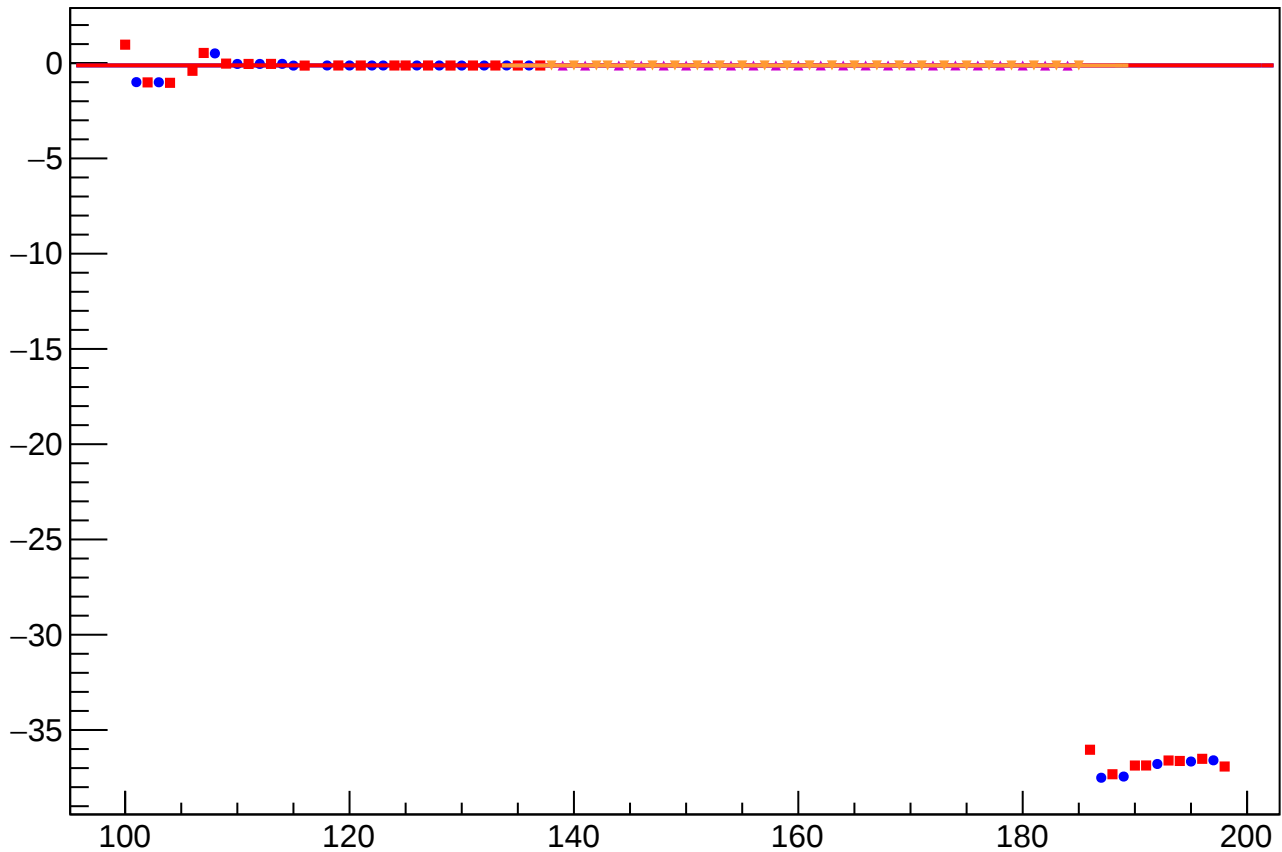
Right: 0.002+/-0.000 χ^2/NDF : 20694240.5/48

In: 0.002+/-0.000 χ^2/NDF :8568292.8/44

Out: 0.002+/-0.000 χ^2/NDF :13471681.5/51

All: 0.002+/-0.000 χ^2/NDF : 22040868.2/96

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.121+/-0.000 χ^2/NDF : 29312456526.5/21

Left Out: -0.121+/-0.000 χ^2/NDF : 58120109.3/24

Right Out: -0.116+/-0.000 χ^2/NDF : 43295364286.1/26

Left In: -0.121+/-0.000 χ^2/NDF : 52113932.9/22

Left: -0.121+/-0.000 χ^2/NDF : 110482905.6/47

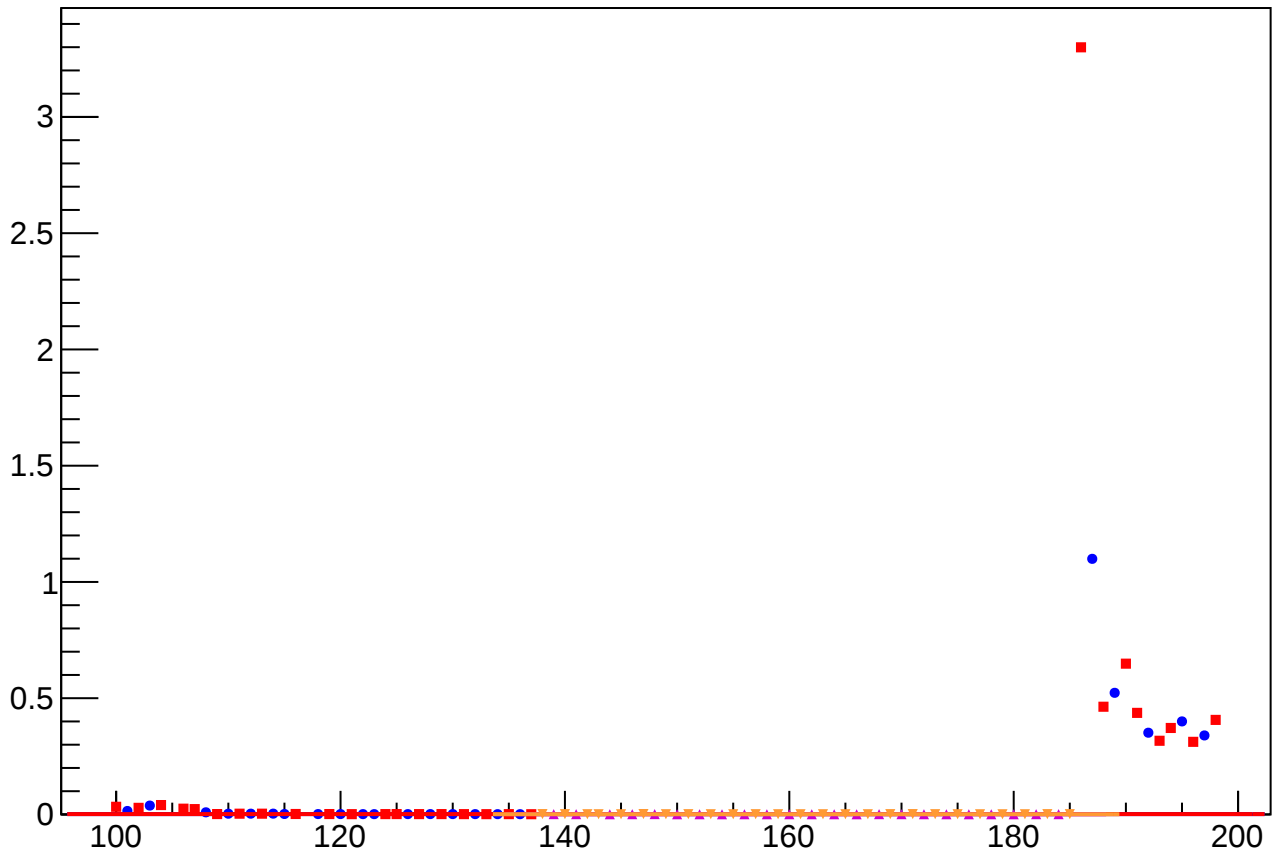
Right: -0.118+/-0.000 χ^2/NDF : 72628859695.1/48

In: -0.121+/-0.000 χ^2/NDF : 29364645382.9/44

Out: -0.121+/-0.000 χ^2/NDF : 43397864460.3/51

All: -0.121+/-0.000 χ^2/NDF : 72763352081.0/100

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 8527732.9/21

Left Out: 0.001+/-0.000 χ^2/NDF :1363316.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 12889062.9/26

Left In: 0.001+/-0.000 χ^2/NDF :970801.8/22

Left: 0.001+/-0.000 χ^2/NDF : 2335161.7/47

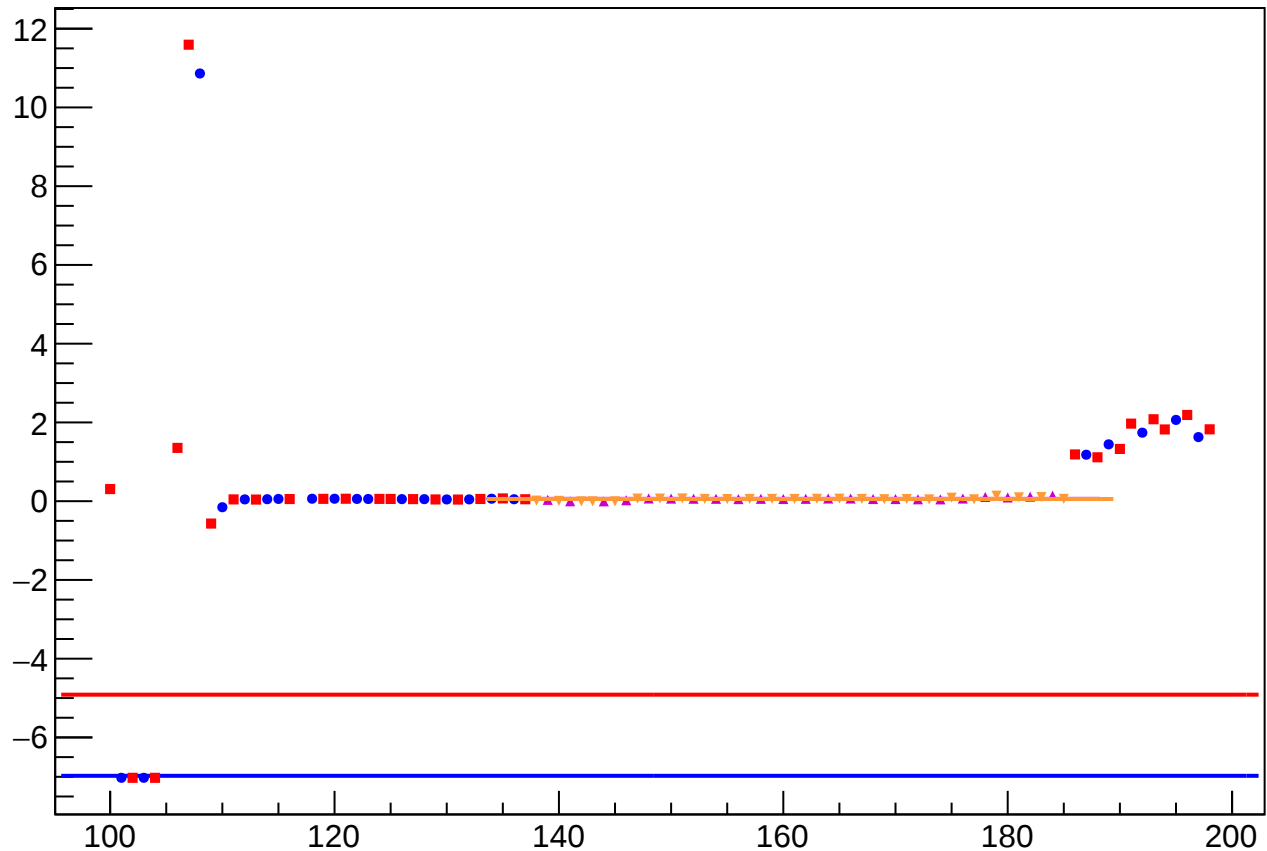
Right: 0.002+/-0.000 χ^2/NDF : 21416870.9/48

In: 0.001+/-0.000 χ^2/NDF :10653491.3/44

Out: 0.001+/-0.000 χ^2/NDF :15419365.5/51

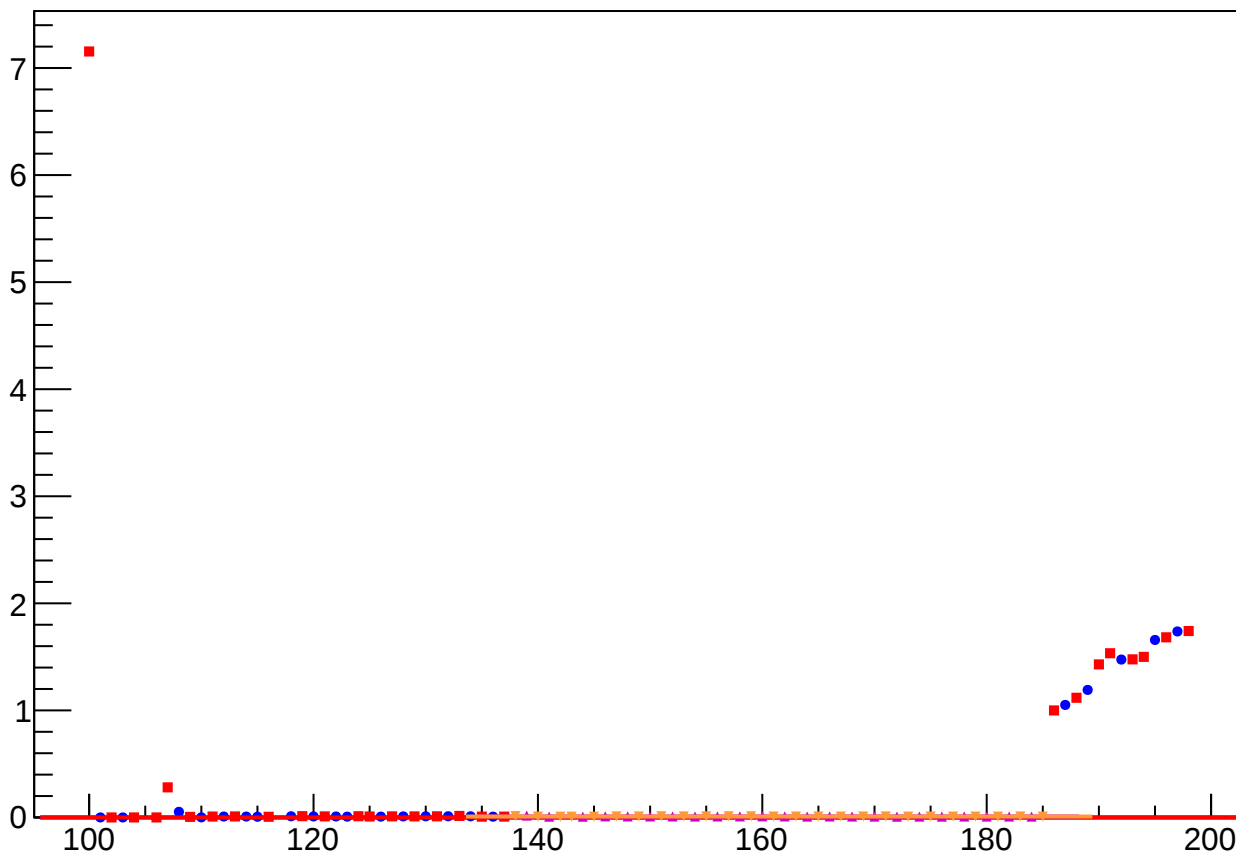
All: 0.001+/-0.000 χ^2/NDF : 26075334.5/96

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975 ± 0.000 $\chi^2/\text{NDF}: 8797461431086.6/21$ Left: 0.057 ± 0.000 $\chi^2/\text{NDF}: 423736513.4/47$
 Left Out: 0.055 ± 0.000 $\chi^2/\text{NDF}: 243682351.4/24$ Right: -5.900 ± 0.000 $\chi^2/\text{NDF}: 430333488499892.2$
 Right Out: -4.914 ± 0.000 $\chi^2/\text{NDF}: 365352764057705.6/26$ In: -6.926 ± 0.000 $\chi^2/\text{NDF}: 17552980707704.4/44$
 Left In: 0.059 ± 0.000 $\chi^2/\text{NDF}: 178541521.9/22$ Out: -4.879 ± 0.000 $\chi^2/\text{NDF}: 370165327653881.4/26$
 All: -5.858 ± 0.000 $\chi^2/\text{NDF}: 4435287804963$

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 14333970.8/21

Left Out: 0.009+/-0.000 χ^2/NDF : 514432.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 18571741.8/26

Left In: 0.009+/-0.000 χ^2/NDF : 602517.2/22

Left: 0.009+/-0.000 χ^2/NDF : 1122225.0/47

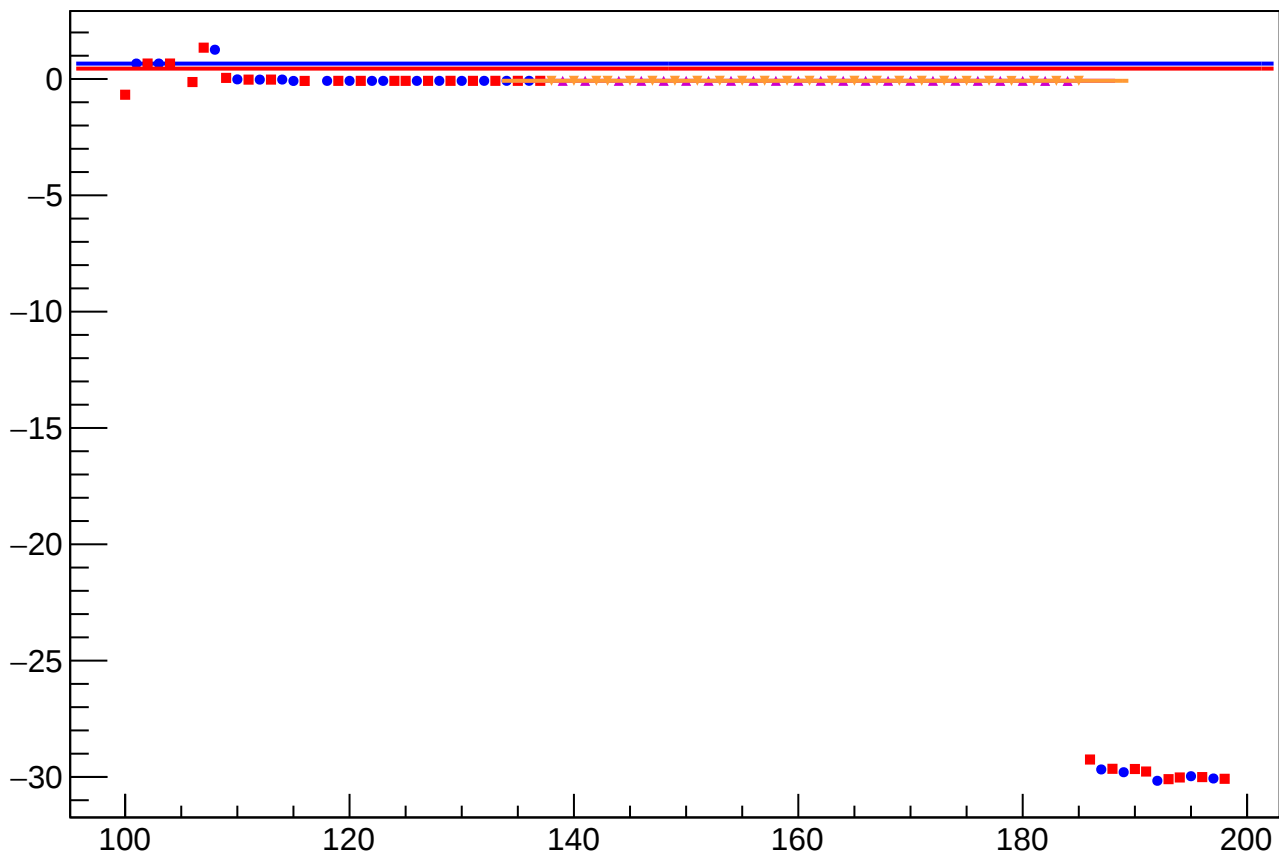
Right: 0.000+/-0.000 χ^2/NDF : 32906054.7/48

In: 0.000+/-0.000 χ^2/NDF : 41752459.3/44

Out: 0.000+/-0.000 χ^2/NDF : 47516212.7/51

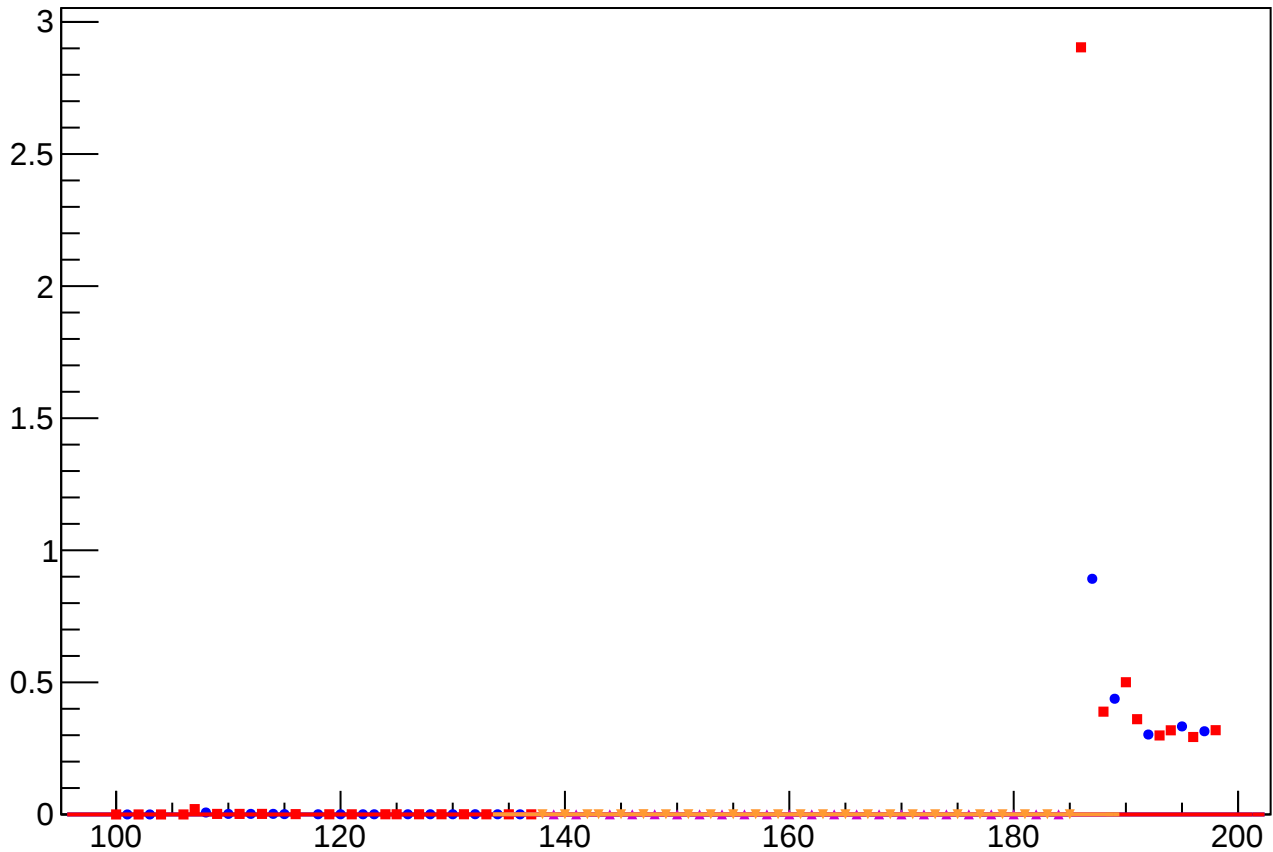
All: 0.000+/-0.000 χ^2/NDF : 89269130.0/96

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661+/-0.000	χ^2/NDF : 5683162520159.8/21	Left: -0.078+/-0.000	χ^2/NDF : 267206251.1/47
Left Out: -0.078+/-0.000	χ^2/NDF : 156404795.7/24	Right: 0.549+/-0.000	χ^2/NDF : 474062932321121.9
Right Out: 0.446+/-0.000	χ^2/NDF : 405466403234044.5/26	In: 0.647+/-0.000	χ^2/NDF : 33723874463565.6/44
Left In: -0.077+/-0.000	χ^2/NDF : 110762924.1/22	Out: 0.436+/-0.000	χ^2/NDF : 420627496674178.1/5
		All: 0.537+/-0.000	χ^2/NDF : 51590736459742

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 15811408.8/21

Left Out: 0.001+/-0.000 χ^2/NDF : 465981.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 19097374.9/26

Left In: 0.001+/-0.000 χ^2/NDF : 355509.7/22

Left: 0.001+/-0.000 χ^2/NDF : 822503.5/47

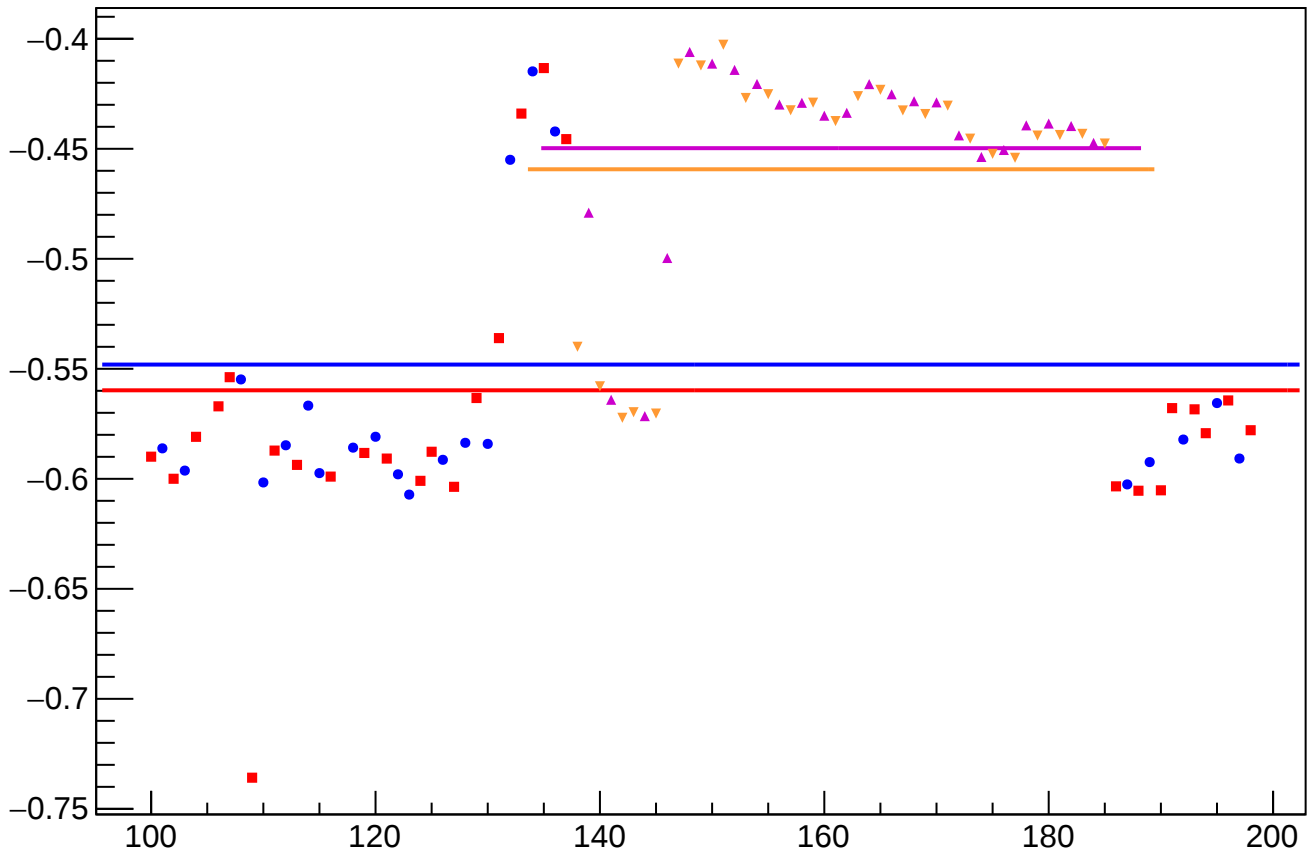
Right: 0.000+/-0.000 χ^2/NDF : 34908798.7/48

In: 0.000+/-0.000 χ^2/NDF : 46544178.5/44

Out: 0.000+/-0.000 χ^2/NDF : 51718841.5/51

All: 0.000+/-0.000 χ^2/NDF : 98263353.1/96

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.548 $\pm$ 0.000 χ^2 /NDF: 47403308.2/21

Left Out: -0.459 $\pm$ 0.000 χ^2 /NDF: 113602161.0/24

Right Out: -0.560 $\pm$ 0.000 χ^2 /NDF: 65642680.9/26

Left In: -0.450 $\pm$ 0.000 χ^2 /NDF: 76117957.8/22

Left: -0.455 $\pm$ 0.000 χ^2 /NDF: 191493218.8/47

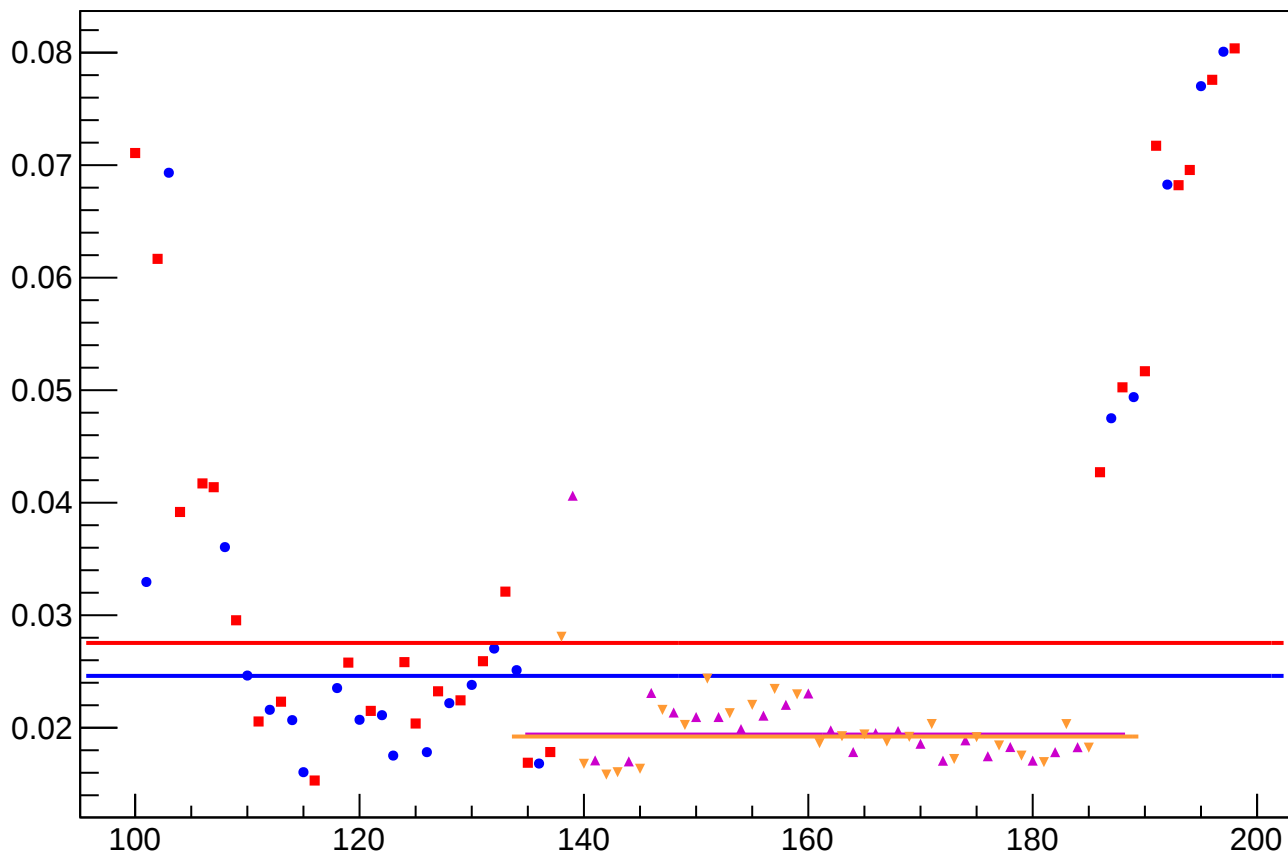
Right: -0.554 $\pm$ 0.000 χ^2 /NDF: 113809959.0/48

In: -0.473 $\pm$ 0.000 χ^2 /NDF: 206831321.8/44

Out: -0.481 $\pm$ 0.000 χ^2 /NDF: 267043929.0/51

All: -0.477 $\pm$ 0.000 χ^2 /NDF: 475676791.7/96

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.025+/-0.000 χ^2/NDF : 3539105.0/21

Left Out: 0.019+/-0.000 χ^2/NDF : 501711.6/24

Right Out: 0.028+/-0.000 χ^2/NDF : 4722568.9/26

Left In: 0.019+/-0.000 χ^2/NDF : 626443.5/22

Left: 0.019+/-0.000 χ^2/NDF : 1129330.7/47

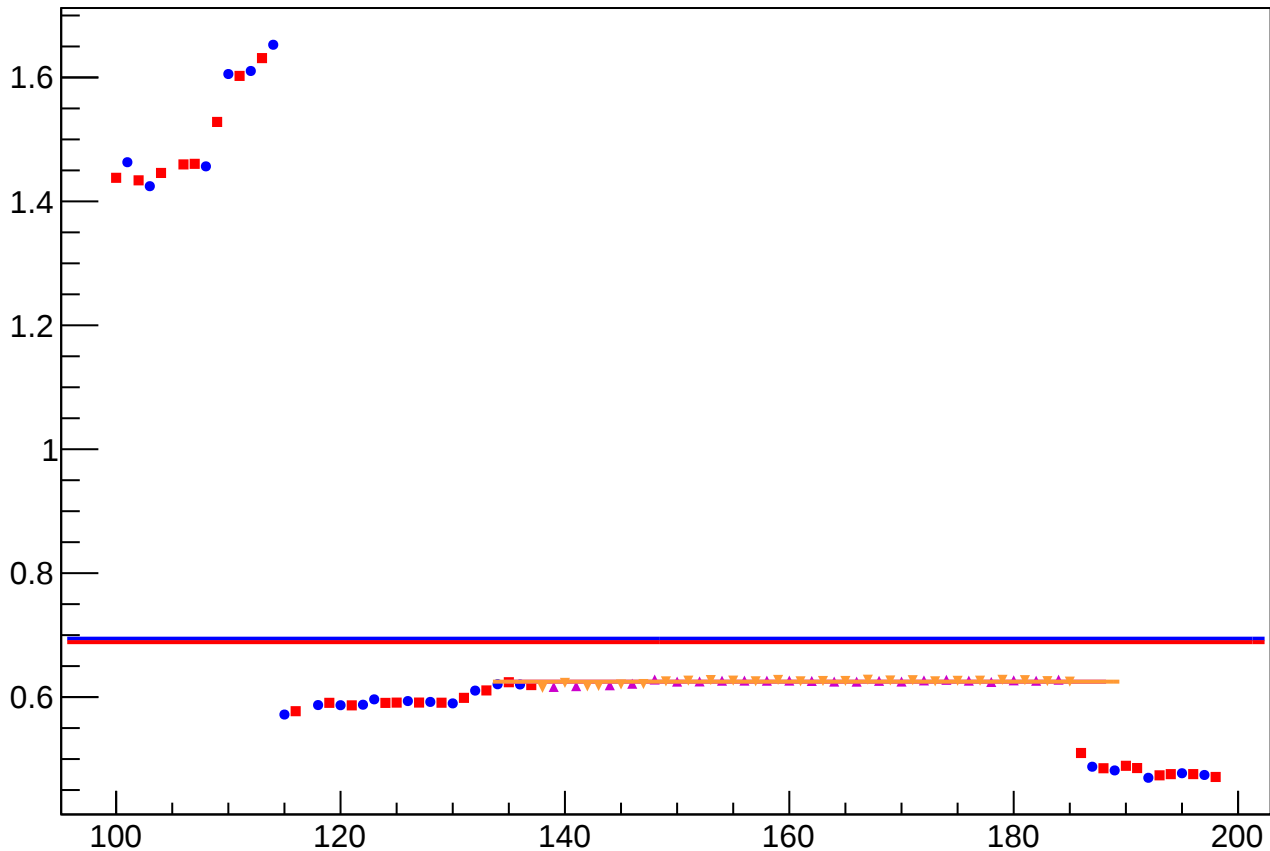
Right: 0.026+/-0.000 χ^2/NDF : 8357399.8/48

In: 0.021+/-0.000 χ^2/NDF : 4634077.0/44

Out: 0.021+/-0.000 χ^2/NDF : 6428251.5/51

All: 0.021+/-0.000 χ^2/NDF : 11070946.4/96

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.694 $\pm$ 0.000 χ^2 /NDF: 4421992475.7/21

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1445169.1/24

Right Out: 0.689 $\pm$ 0.000 χ^2 /NDF: 5601895304.5/26

Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1143954.1/22

Left: 0.625 $\pm$ 0.000 χ^2 /NDF: 2589565.7/47

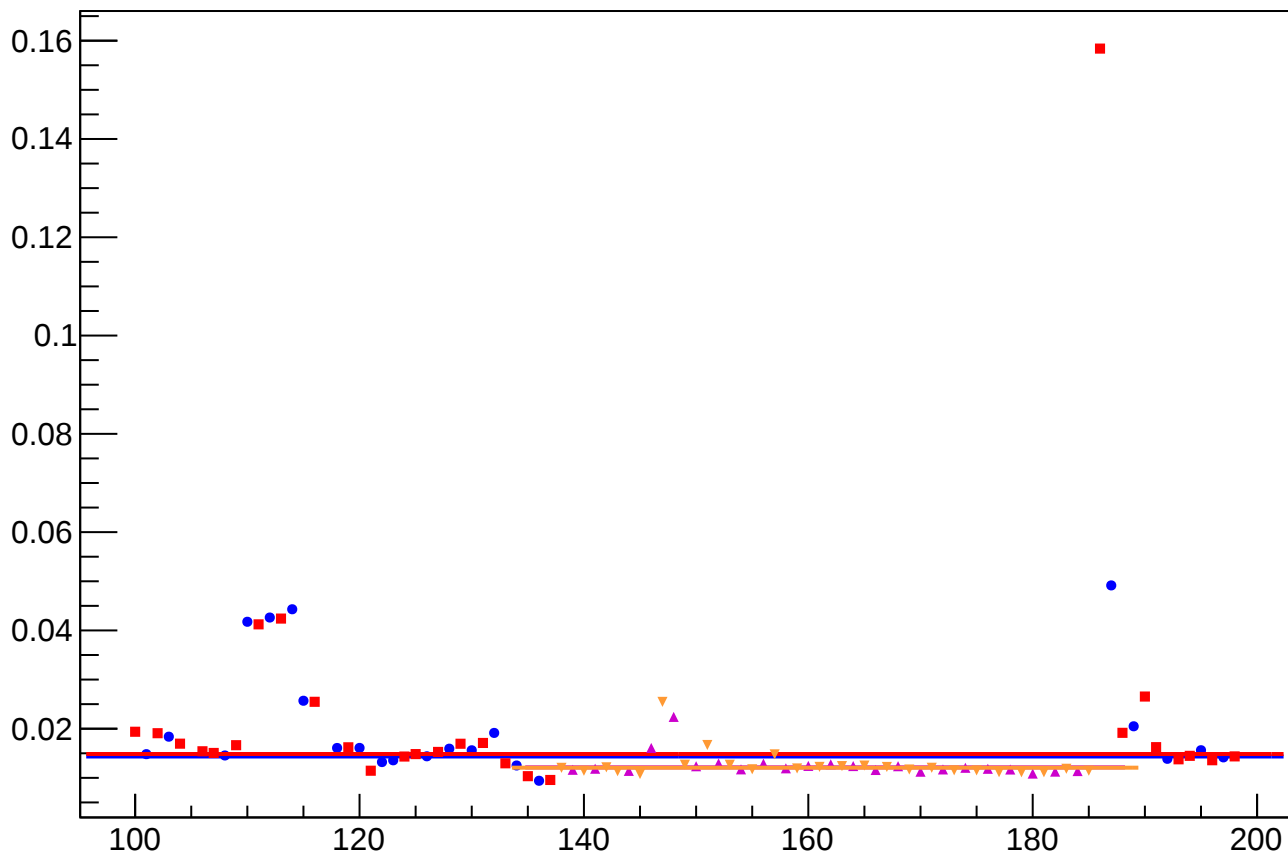
Right: 0.691 $\pm$ 0.000 χ^2 /NDF: 10024580552.3/48

In: 0.643 $\pm$ 0.000 χ^2 /NDF:4568245188.1/44

Out: 0.643 $\pm$ 0.000 χ^2 /NDF:5740846972.0/51

All: 0.643 $\pm$ 0.000 χ^2 /NDF: 10309114533.8/95

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1634799.5/21

Left Out: 0.012+/-0.000 χ^2/NDF : 657199.9/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2074313.5/26

Left In: 0.012+/-0.000 χ^2/NDF : 488363.6/22

Left: 0.012+/-0.000 χ^2/NDF : 1146061.0/47

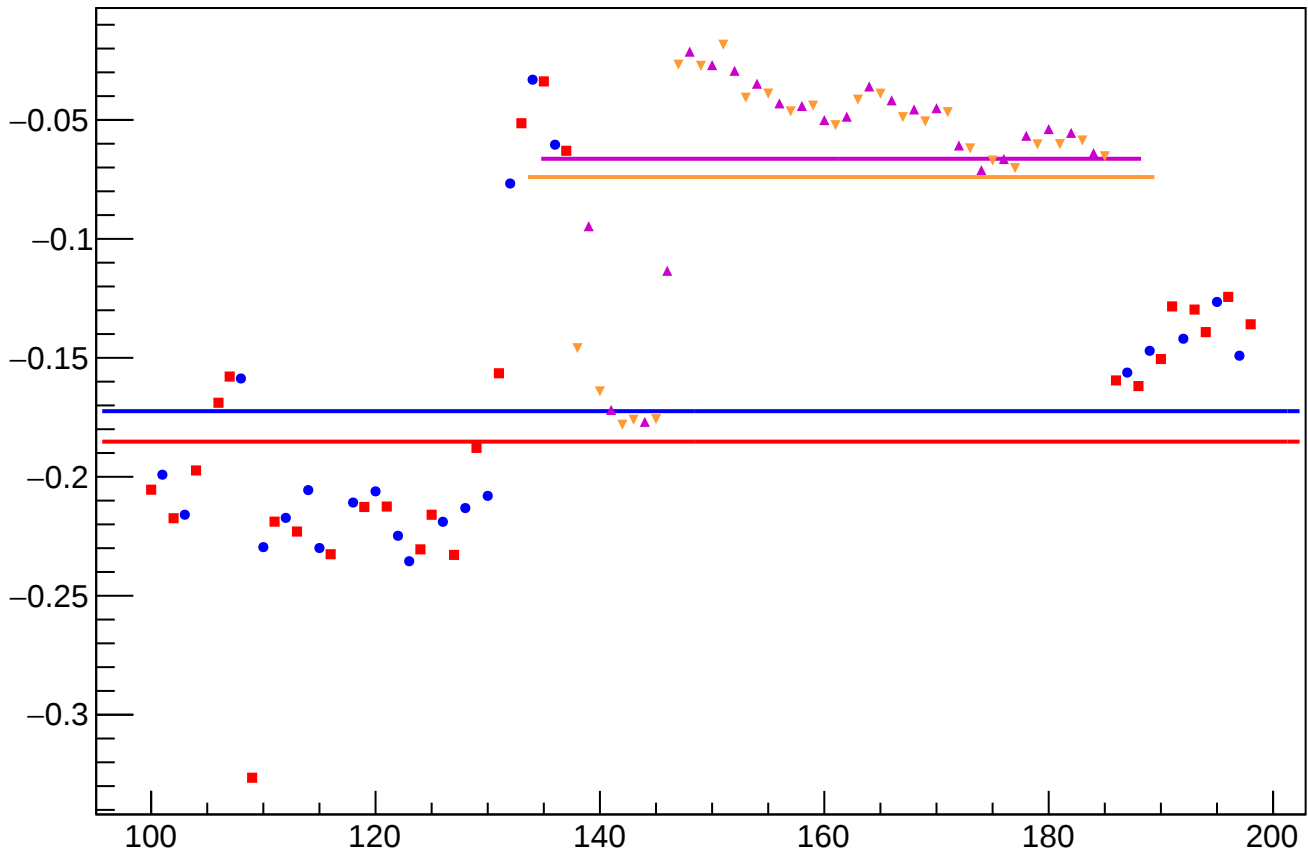
Right: 0.015+/-0.000 χ^2/NDF : 3720246.6/48

In: 0.013+/-0.000 χ^2/NDF : 2417611.6/44

Out: 0.013+/-0.000 χ^2/NDF : 3255350.1/51

All: 0.013+/-0.000 χ^2/NDF : 5675491.8/96

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.172 ± 0.000 $\chi^2/\text{NDF}: 67486200.2/21$

Left Out: -0.074 ± 0.000 $\chi^2/\text{NDF}: 107676601.9/24$

Right Out: -0.185 ± 0.000 $\chi^2/\text{NDF}: 84446407.7/26$

Left In: -0.066 ± 0.000 $\chi^2/\text{NDF}: 76243051.8/22$

Left: -0.070 ± 0.000 $\chi^2/\text{NDF}: 185076997.5/47$

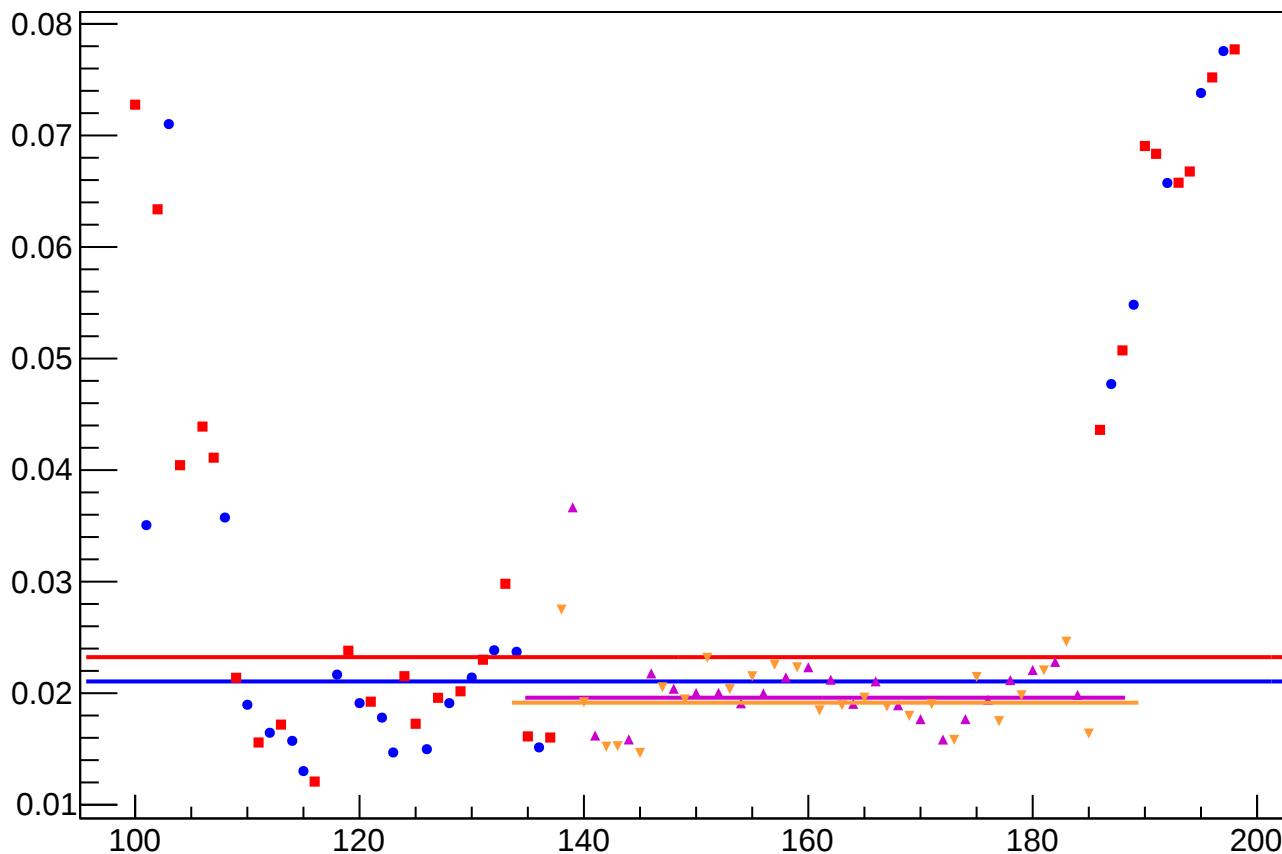
Right: -0.179 ± 0.000 $\chi^2/\text{NDF}: 153135787.2/48$

In: -0.096 ± 0.000 $\chi^2/\text{NDF}: 262219498.0/44$

Out: -0.103 ± 0.000 $\chi^2/\text{NDF}: 325757714.5/51$

All: -0.100 ± 0.000 $\chi^2/\text{NDF}: 589235837.9/96$

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF : 4166131.4/21

Left Out: 0.019+/-0.000 χ^2/NDF : 641277.0/24

Right Out: 0.023+/-0.000 χ^2/NDF : 5787637.7/26

Left In: 0.020+/-0.000 χ^2/NDF : 623148.2/22

Left: 0.019+/-0.000 χ^2/NDF : 1272240.9/47

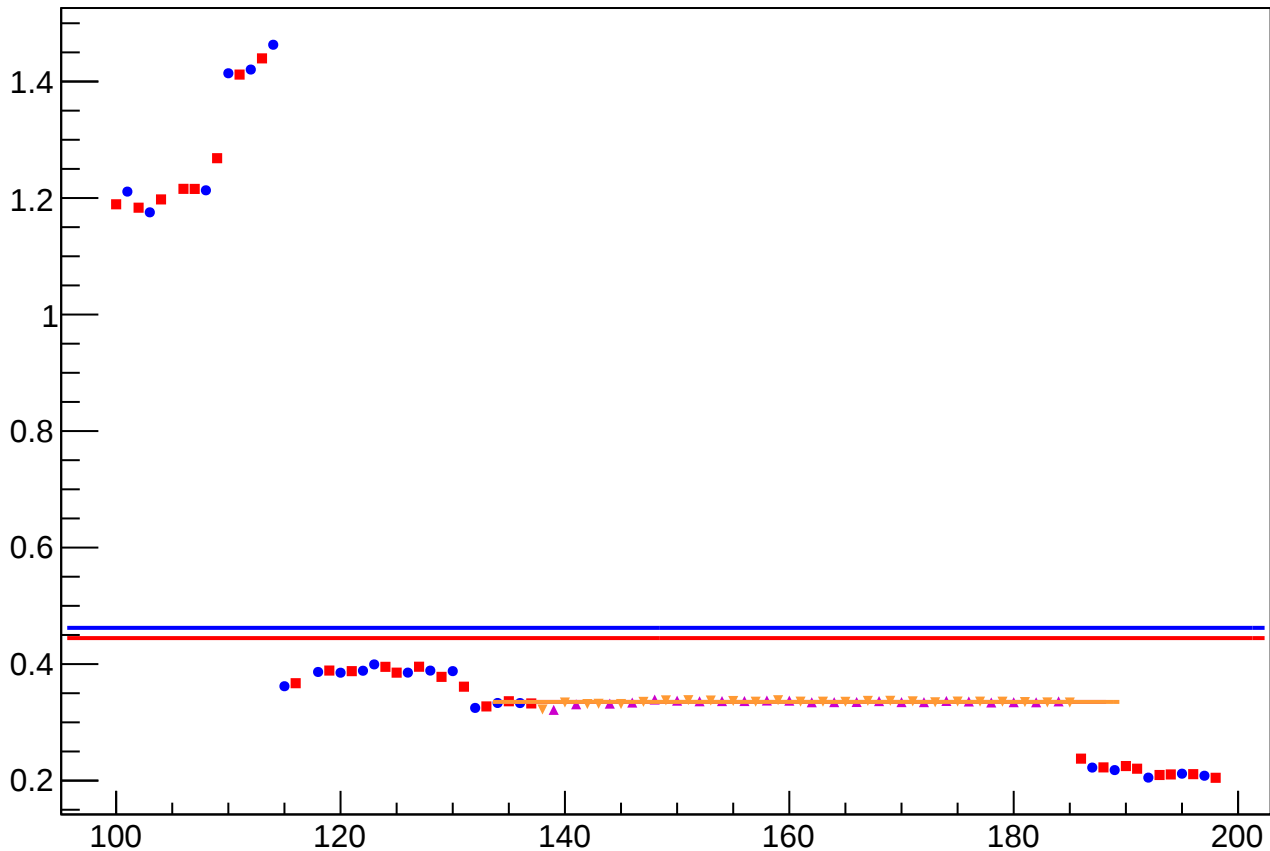
Right: 0.022+/-0.000 χ^2/NDF : 10023407.0/48

In: 0.020+/-0.000 χ^2/NDF : 4833981.1/44

Out: 0.020+/-0.000 χ^2/NDF : 6789244.4/51

All: 0.020+/-0.000 χ^2/NDF : 11625650.9/96

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.462+/-0.000 χ^2/NDF : 6427688624.6/21

Left Out: 0.335+/-0.000 χ^2/NDF :1154310.3/24

Right Out: 0.445+/-0.000 χ^2/NDF : 7860048627.8/26

Left In: 0.335+/-0.000 χ^2/NDF :1202194.8/22

Left: 0.335+/-0.000 χ^2/NDF : 2356931.1/47

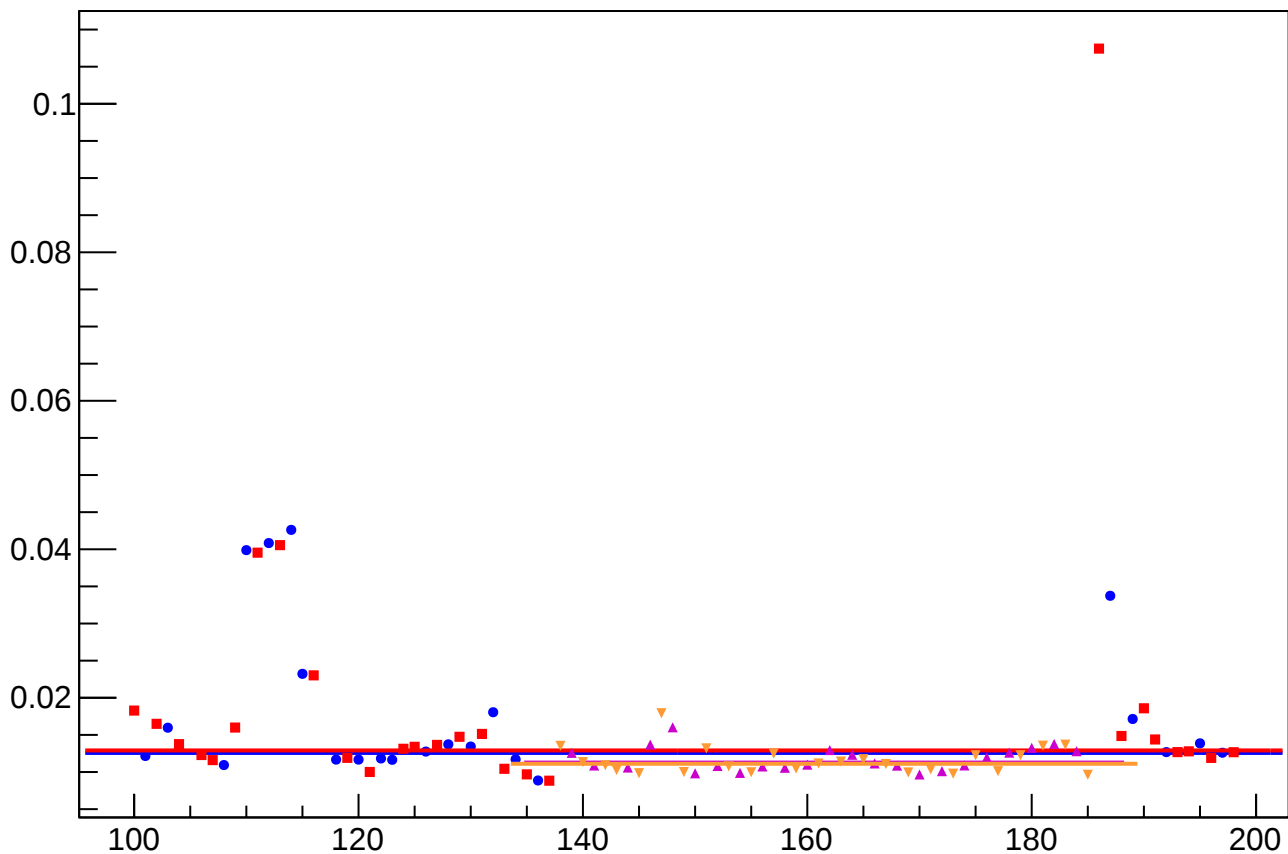
Right: 0.453+/-0.000 χ^2/NDF : 14296645191.6/48

In: 0.372+/-0.000 χ^2/NDF :7042911241.0/44

Out: 0.369+/-0.000 χ^2/NDF :8379388963.8/51

All: 0.370+/-0.000 χ^2/NDF : 15423594940.8/9

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1507150.5/21

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:607532.0/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1932459.5/26

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:502455.5/22

Left: 0.011 $\pm$ 0.000 χ^2 /NDF: 1113465.5/47

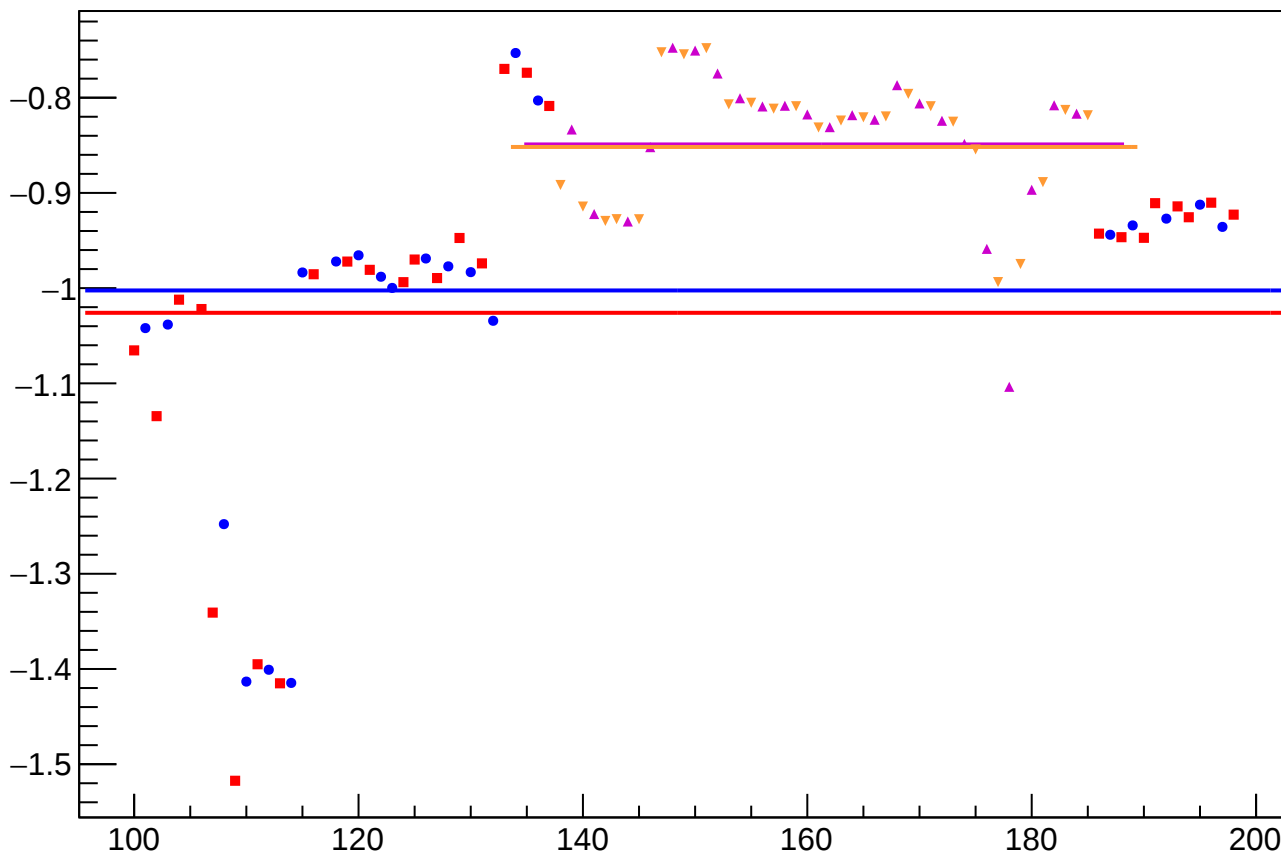
Right: 0.013 $\pm$ 0.000 χ^2 /NDF: 3446026.7/48

In: 0.012 $\pm$ 0.000 χ^2 /NDF:2138196.9/44

Out: 0.012 $\pm$ 0.000 χ^2 /NDF:2818539.8/51

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 4956747.7/96

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.002 $\pm$ 0.000 χ^2 /NDF: 397790482.9/21

Left Out: -0.852 $\pm$ 0.000 χ^2 /NDF:189103962.4/24

Right Out: -1.026 $\pm$ 0.000 χ^2 /NDF: 549290183.7/26

Left In: -0.849 $\pm$ 0.000 χ^2 /NDF:256391274.4/22

Left: -0.850 $\pm$ 0.000 χ^2 /NDF: 445636655.2/47

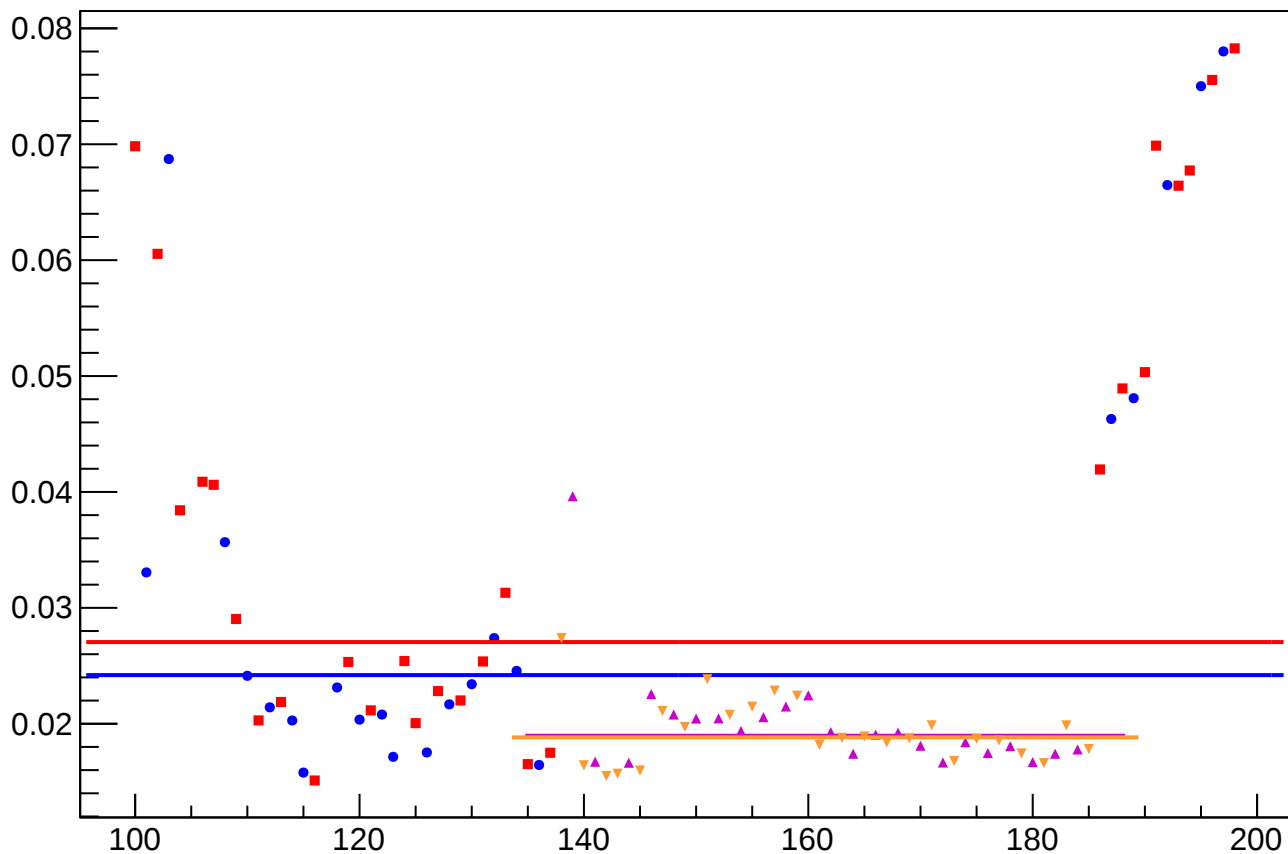
Right: -1.014 $\pm$ 0.000 χ^2 /NDF: 950268755.6/48

In: -0.884 $\pm$ 0.000 χ^2 /NDF:864265088.4/44

Out: -0.889 $\pm$ 0.000 χ^2 /NDF:1012424405.9/51

All: -0.887 $\pm$ 0.000 χ^2 /NDF: 1877322882.7/99

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.024 $\pm$ 0.000 χ^2 /NDF: 3538958.8/21

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 490509.4/24

Right Out: 0.027 $\pm$ 0.000 χ^2 /NDF: 4682944.1/26

Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 615173.8/22

Left: 0.019 $\pm$ 0.000 χ^2 /NDF: 1106521.0/47

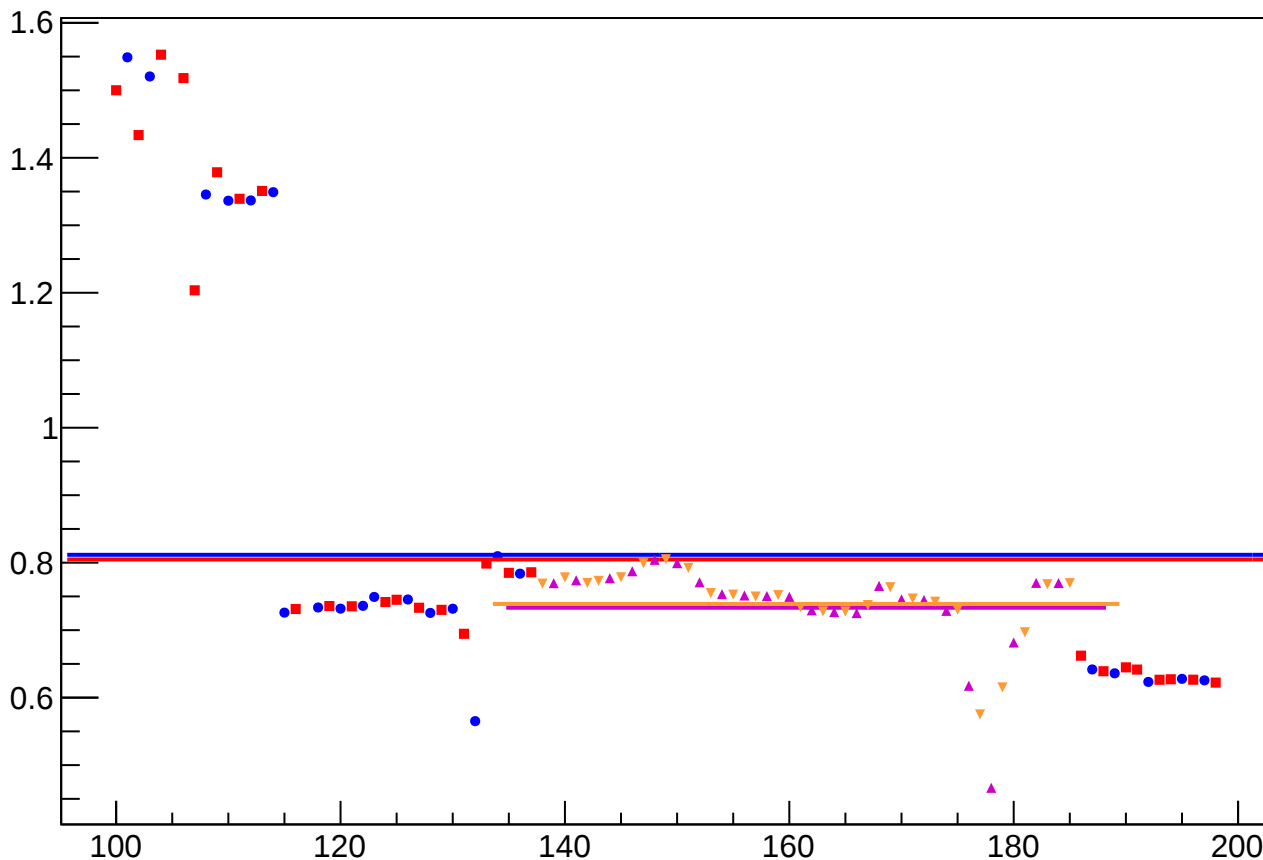
Right: 0.026 $\pm$ 0.000 χ^2 /NDF: 8315778.0/48

In: 0.020 $\pm$ 0.000 χ^2 /NDF: 4643291.2/44

Out: 0.021 $\pm$ 0.000 χ^2 /NDF: 6395809.5/51

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 11048544.1/96

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.812 $\pm$ 0.000 χ^2/NDF : 3011744875.0/21

Left Out: 0.739 $\pm$ 0.000 χ^2/NDF :333013236.5/24

Right Out: 0.805 $\pm$ 0.000 χ^2/NDF : 3446325960.8/26

Left In: 0.733 $\pm$ 0.000 χ^2/NDF :569611347.7/22

Left: 0.736 $\pm$ 0.000 χ^2/NDF : 904456968.5/47

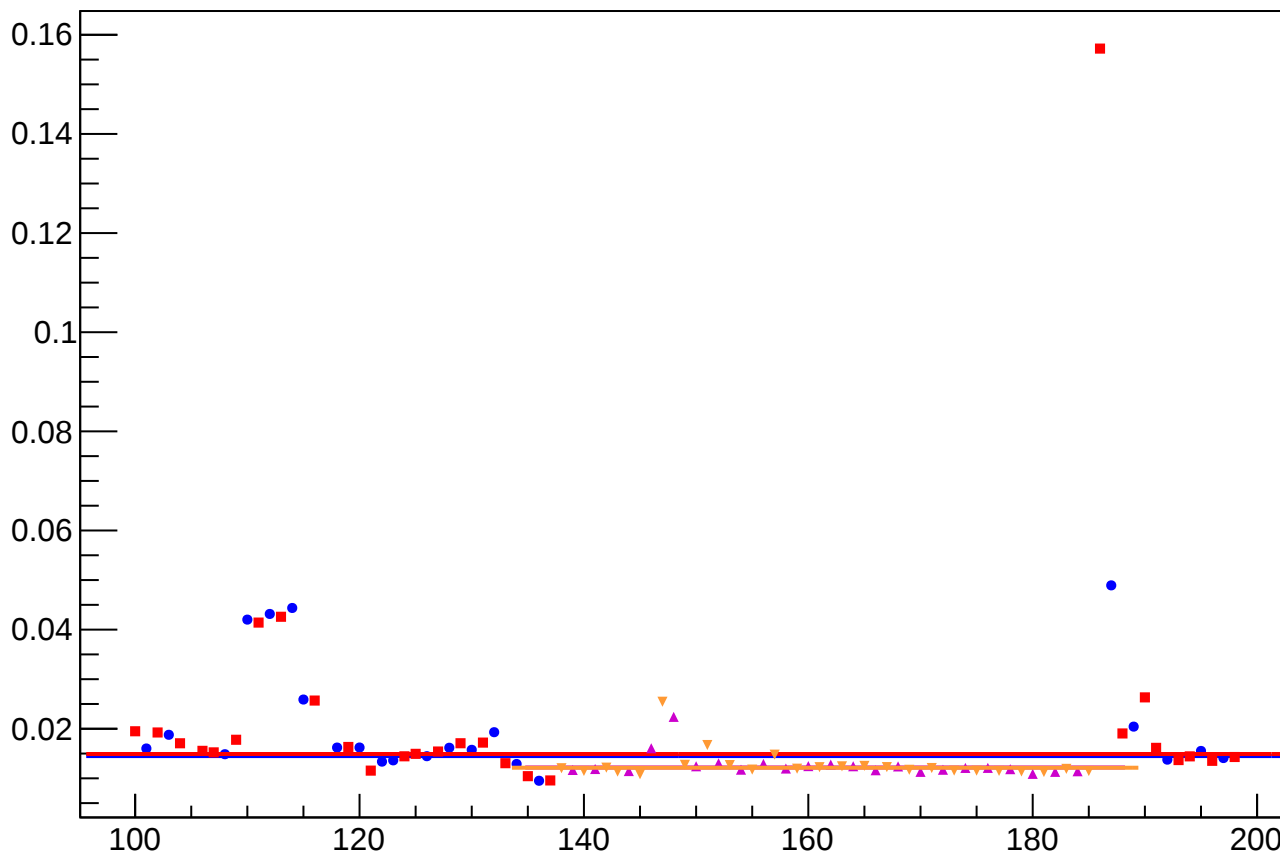
Right: 0.808 $\pm$ 0.000 χ^2/NDF : 6459098420.1/48

In: 0.754 $\pm$ 0.000 χ^2/NDF :3762914581.1/44

Out: 0.757 $\pm$ 0.000 χ^2/NDF :3924814924.2/51

All: 0.756 $\pm$ 0.000 χ^2/NDF : 7688693923.9/96

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1635830.6/21

Left Out: 0.012+/-0.000 χ^2/NDF : 637986.2/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2078451.1/26

Left In: 0.012+/-0.000 χ^2/NDF : 481830.1/22

Left: 0.012+/-0.000 χ^2/NDF : 1120125.6/47

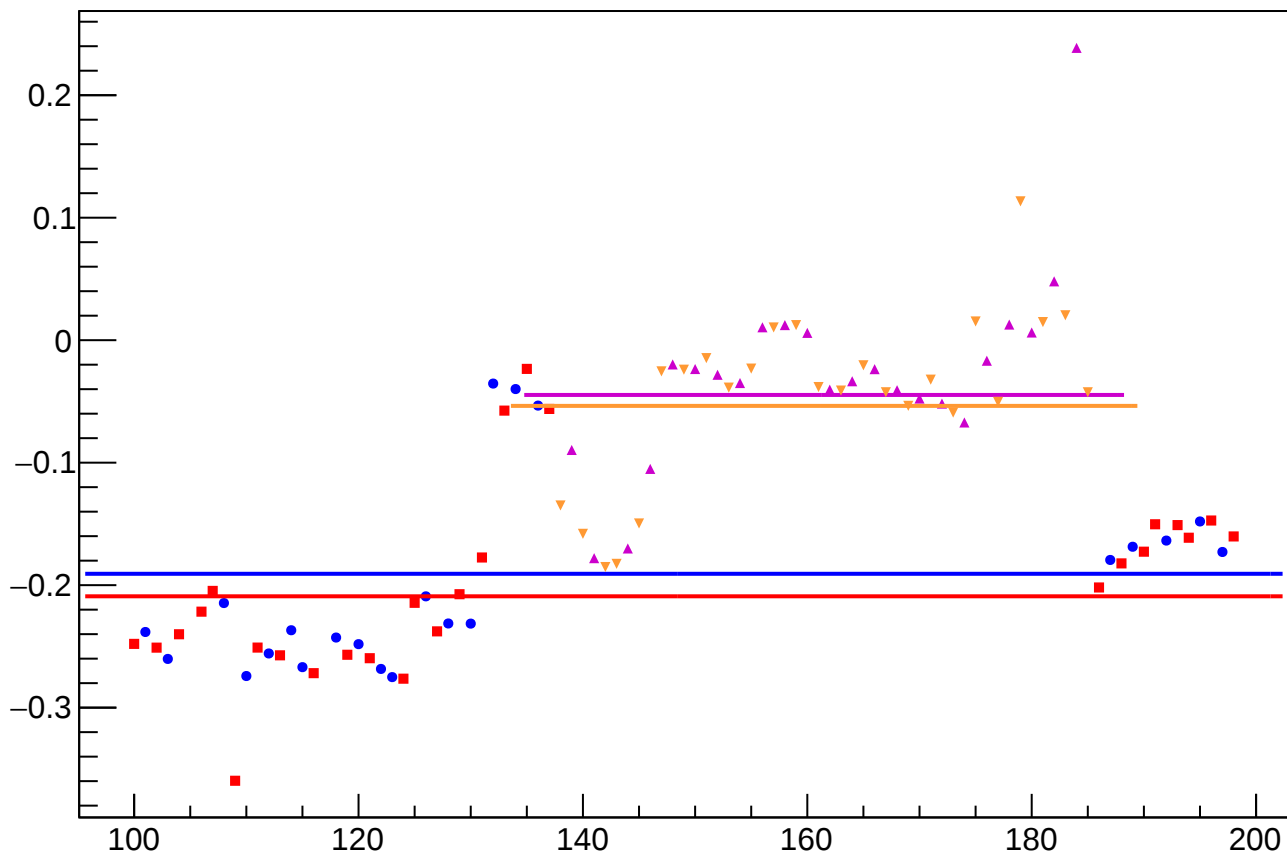
Right: 0.015+/-0.000 χ^2/NDF : 3721790.6/48

In: 0.013+/-0.000 χ^2/NDF : 2429581.6/44

Out: 0.013+/-0.000 χ^2/NDF : 3229831.5/51

All: 0.013+/-0.000 χ^2/NDF : 5661708.4/96

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.191 ± 0.000 $\chi^2/\text{NDF}: 106750231.5/21$

Left Out: -0.054 ± 0.000 $\chi^2/\text{NDF}: 167834173.6/24$

Right Out: -0.209 ± 0.000 $\chi^2/\text{NDF}: 112992675.2/26$

Left In: -0.045 ± 0.000 $\chi^2/\text{NDF}: 127192425.2/22$

Left: -0.049 ± 0.000 $\chi^2/\text{NDF}: 296566503.6/47$

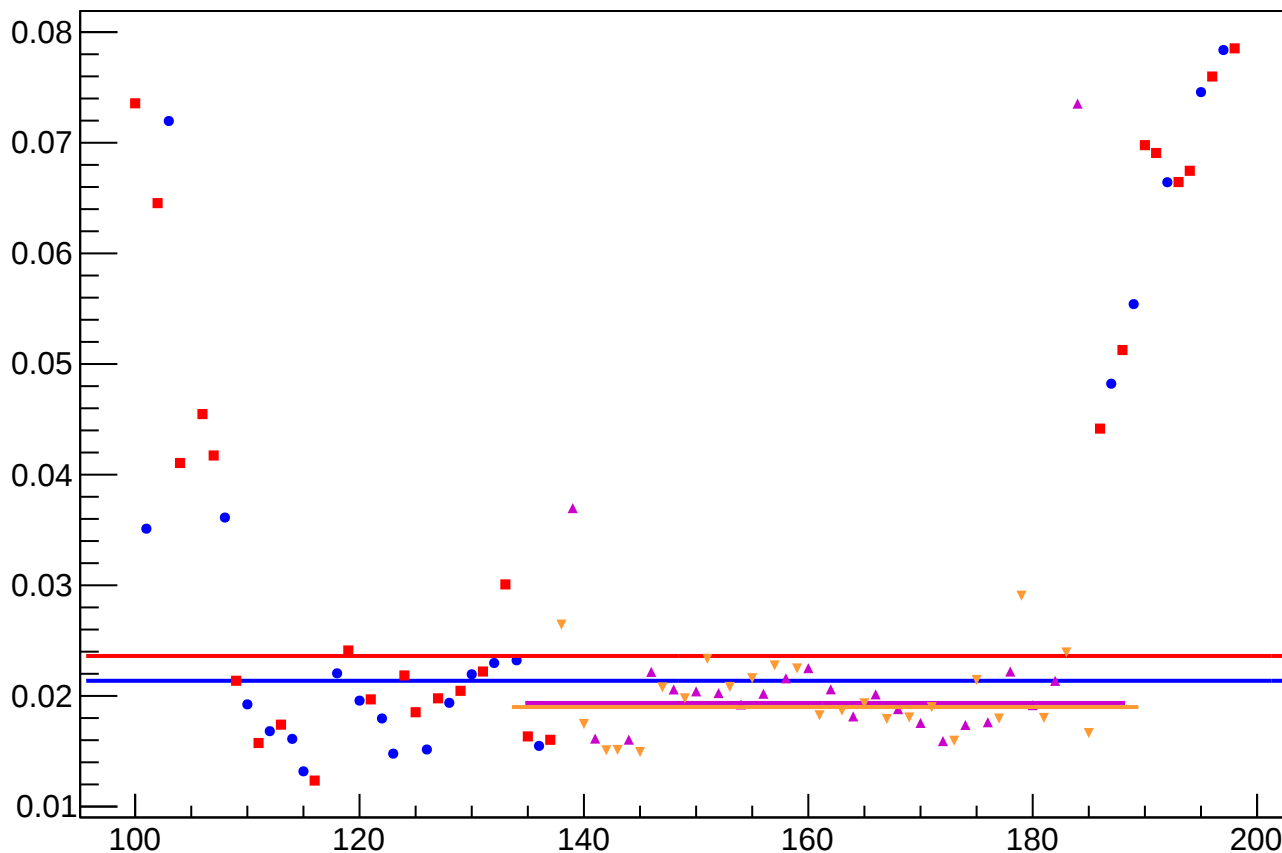
Right: -0.200 ± 0.000 $\chi^2/\text{NDF}: 222149425.7/48$

In: -0.085 ± 0.000 $\chi^2/\text{NDF}: 453654214.2/44$

Out: -0.094 ± 0.000 $\chi^2/\text{NDF}: 534910610.1/51$

All: -0.090 ± 0.000 $\chi^2/\text{NDF}: 990507941.2/96$

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF : 4126580.8/21

Left Out: 0.019+/-0.000 χ^2/NDF : 700229.7/24

Right Out: 0.024+/-0.000 χ^2/NDF : 5755805.0/26

Left In: 0.019+/-0.000 χ^2/NDF : 858216.8/22

Left: 0.019+/-0.000 χ^2/NDF : 1563699.1/47

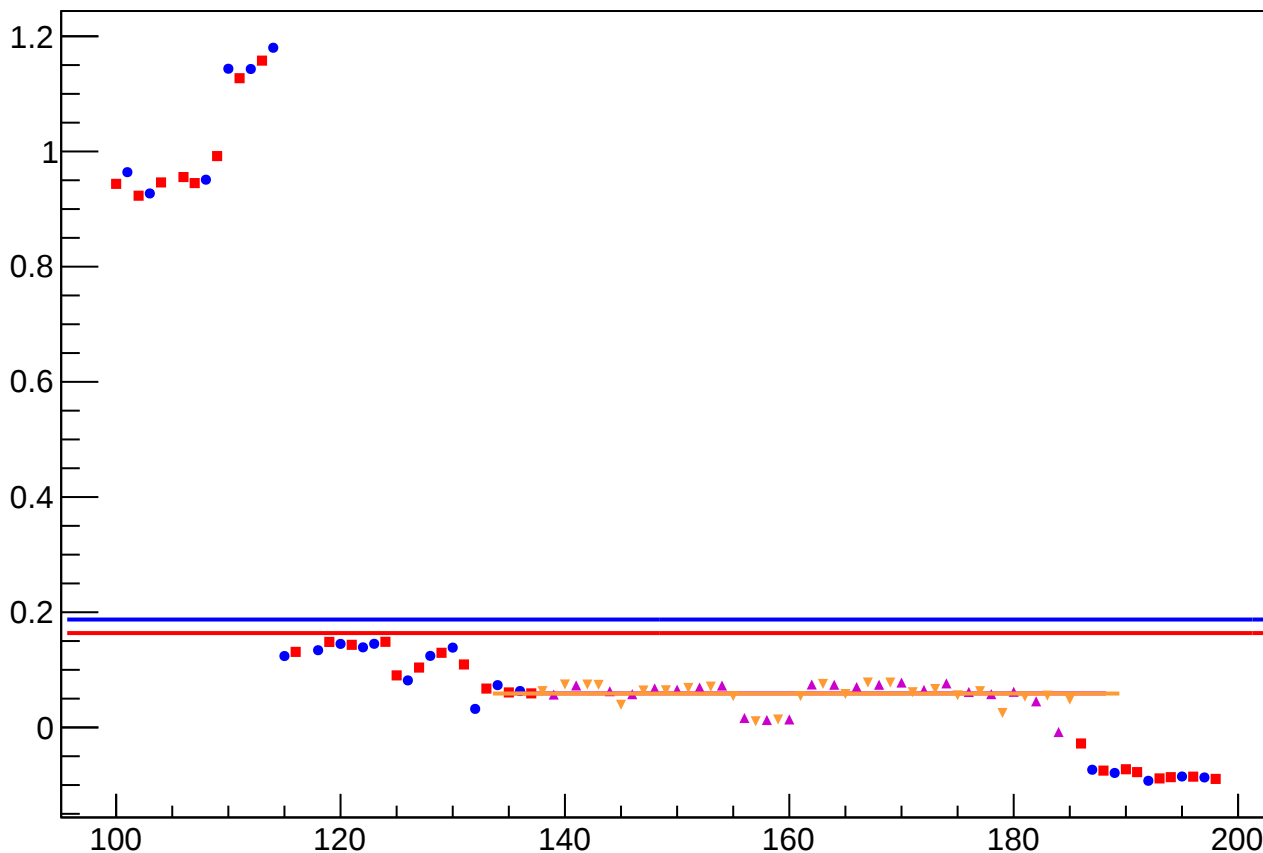
Right: 0.022+/-0.000 χ^2/NDF : 9954029.8/48

In: 0.020+/-0.000 χ^2/NDF : 5067558.7/44

Out: 0.020+/-0.000 χ^2/NDF : 6903853.4/51

All: 0.020+/-0.000 χ^2/NDF : 11975295.8/96

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.187+/-0.000 χ^2/NDF : 6850301976.0/21

Left Out: 0.059+/-0.000 χ^2/NDF : 46821236.8/24

Right Out: 0.164+/-0.000 χ^2/NDF : 8231790925.4/26

Left In: 0.059+/-0.000 χ^2/NDF : 58518655.0/22

Left: 0.059+/-0.000 χ^2/NDF : 105343775.2/47

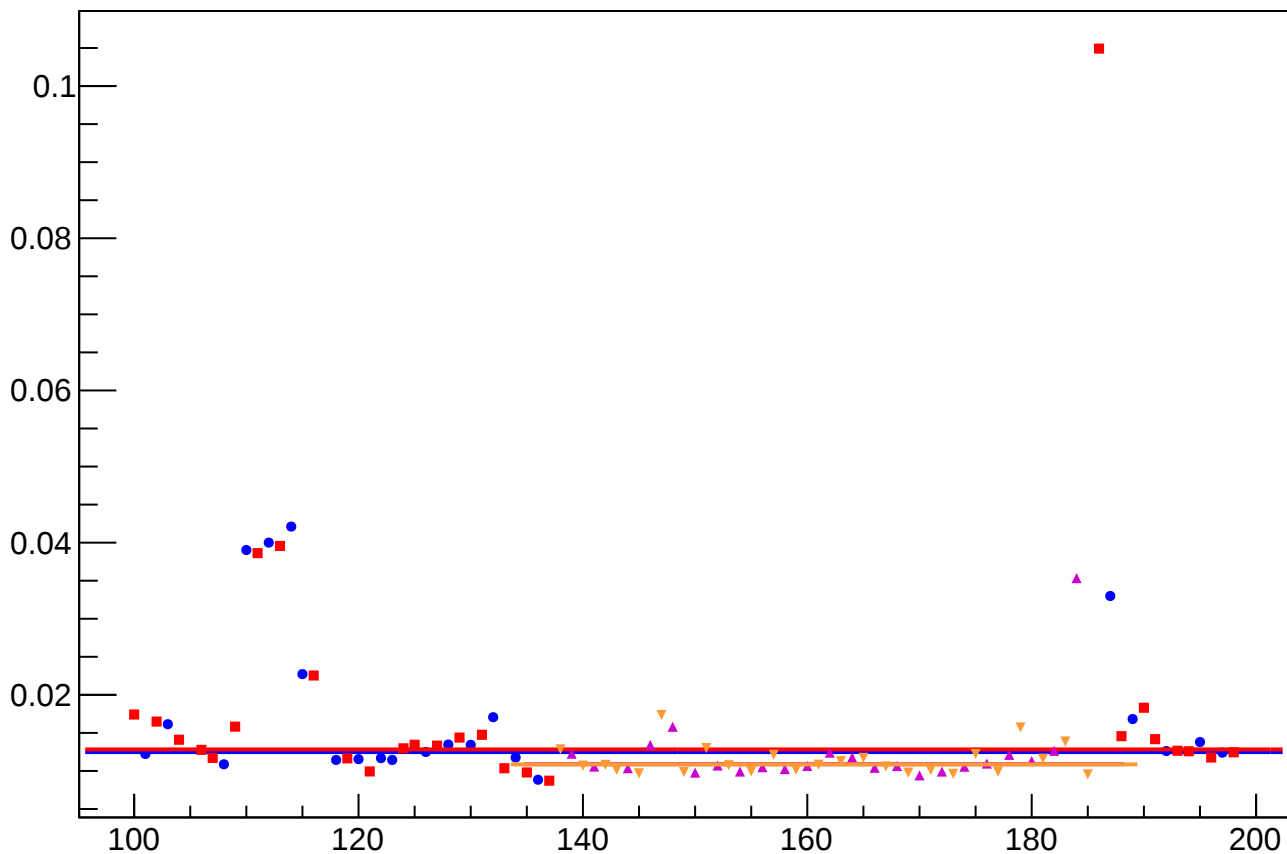
Right: 0.175+/-0.000 χ^2/NDF : 15098252323.6/48

In: 0.096+/-0.000 χ^2/NDF : 7548667680.7/44

Out: 0.091+/-0.000 χ^2/NDF : 8761482910.2/51

All: 0.093+/-0.000 χ^2/NDF : 16312626564.7/9

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1474014.4/21

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:604787.9/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1889341.1/26

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:530077.5/22

Left: 0.011 $\pm$ 0.000 χ^2 /NDF: 1134994.9/47

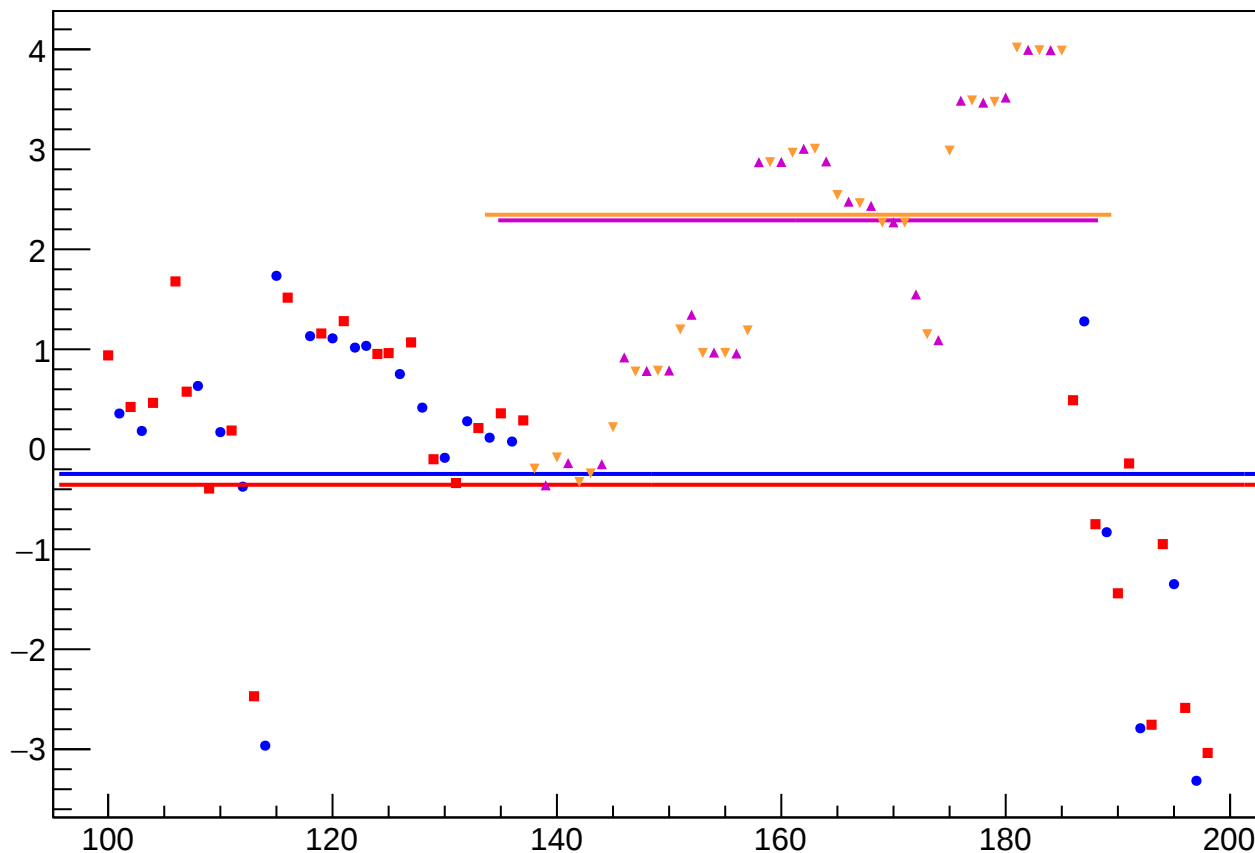
Right: 0.013 $\pm$ 0.000 χ^2 /NDF: 3370419.8/48

In: 0.011 $\pm$ 0.000 χ^2 /NDF:2200734.2/44

Out: 0.011 $\pm$ 0.000 χ^2 /NDF:2833548.0/51

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5036836.6/96

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: -0.247+/-0.000 χ^2/NDF : 3956714095.5/21

Left Out: 2.346+/-0.000 χ^2/NDF : 63481331015.4/24

Right Out: -0.355+/-0.000 χ^2/NDF : 5337465479.1/26

Left In: 2.290+/-0.000 χ^2/NDF : 60875537647.3/22

Left: 2.318+/-0.000 χ^2/NDF : 124438674298.4/47

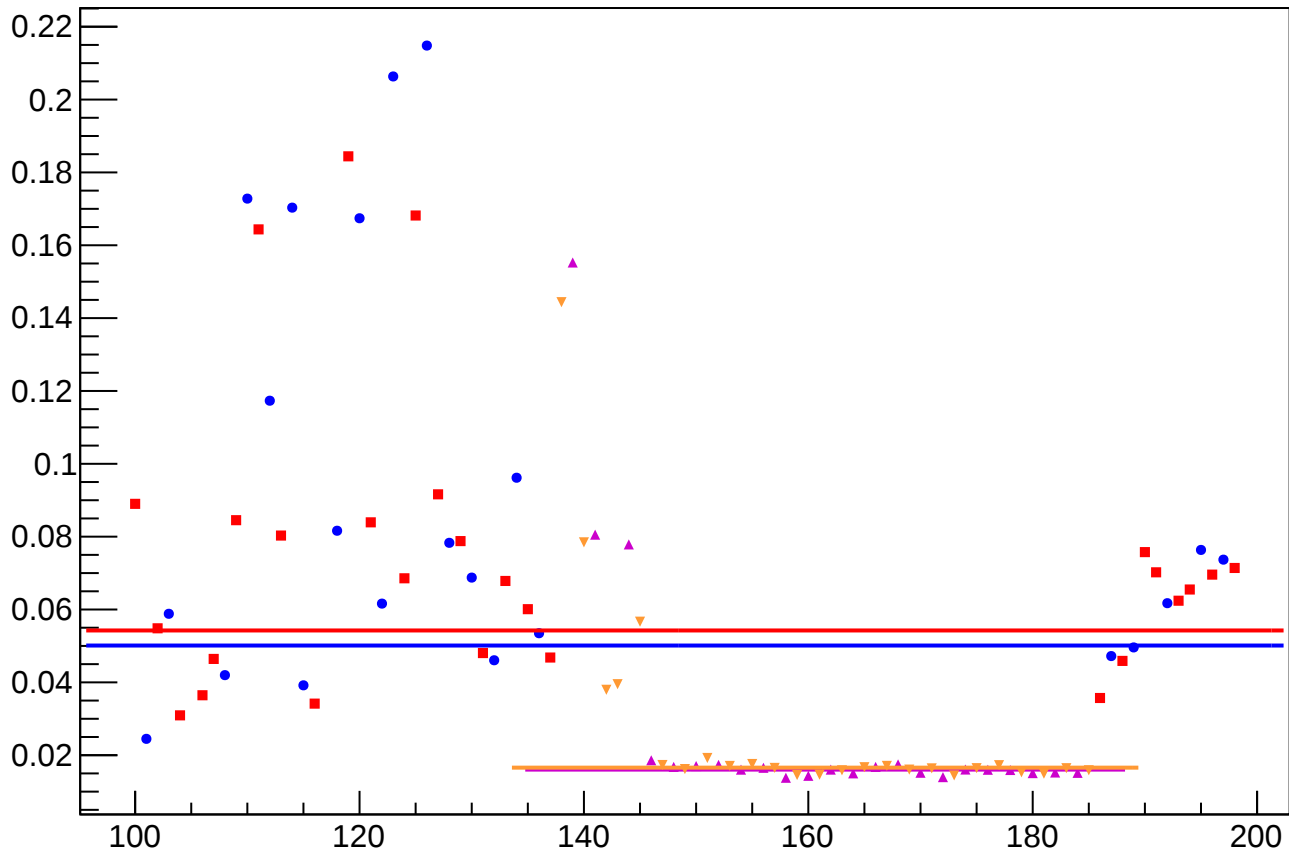
Right: -0.305+/-0.000 χ^2/NDF : 9309802426.5/48

In: 2.174+/-0.000 χ^2/NDF : 79986394842.8/44

Out: 2.200+/-0.000 χ^2/NDF : 88953625150.6/51

All: 2.187+/-0.000 χ^2/NDF : 168957375690.9

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.050+/-0.000 χ^2/NDF : 3307498.2/21

Left Out: 0.017+/-0.000 χ^2/NDF : 2621162.1/24

Right Out: 0.054+/-0.000 χ^2/NDF : 2729846.9/26

Left In: 0.016+/-0.000 χ^2/NDF : 2394376.5/22

Left: 0.016+/-0.000 χ^2/NDF : 5030430.5/47

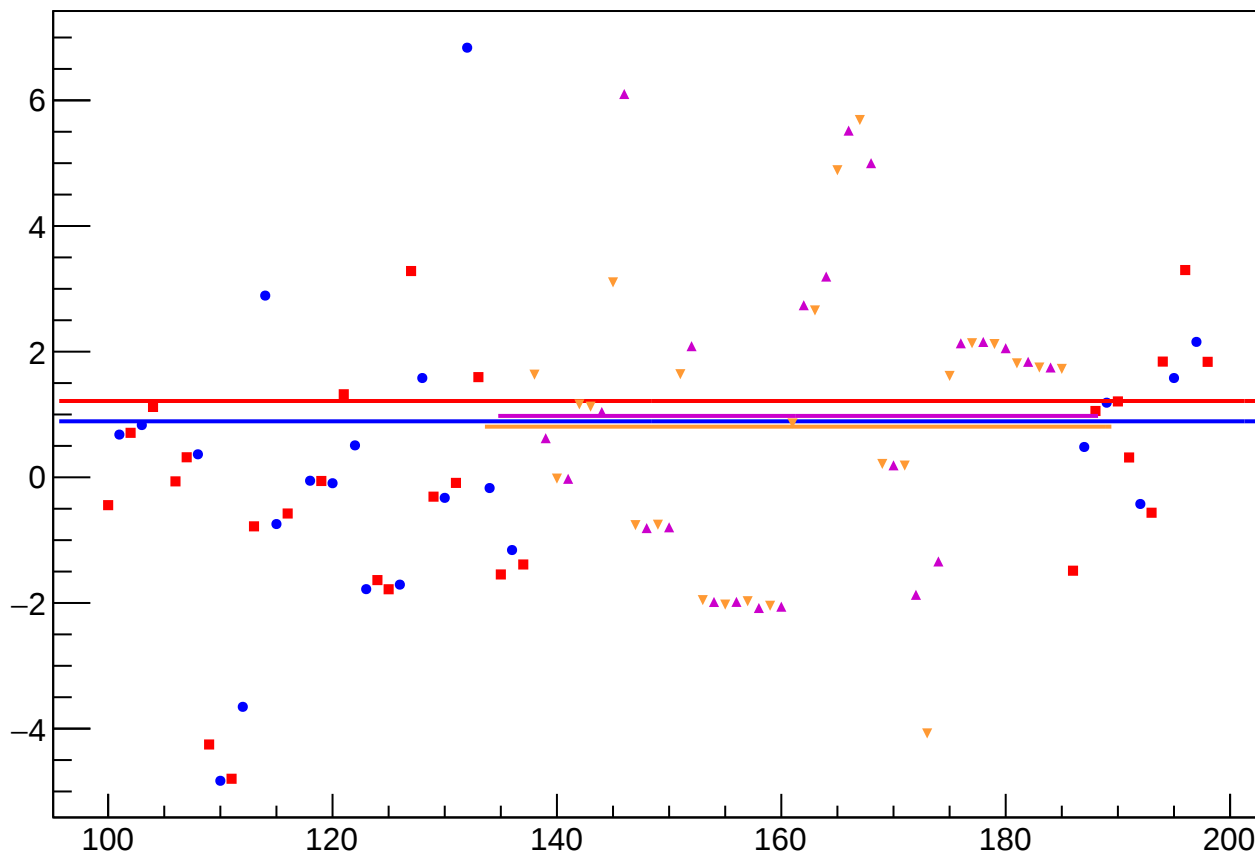
Right: 0.052+/-0.000 χ^2/NDF : 6083138.1/48

In: 0.018+/-0.000 χ^2/NDF : 11168620.7/44

Out: 0.019+/-0.000 χ^2/NDF : 13181702.6/51

All: 0.018+/-0.000 χ^2/NDF : 24407840.0/96

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.891 ± 0.000 $\chi^2/\text{NDF}: 18369626144.8/21$

Left Out: 0.806 ± 0.000 $\chi^2/\text{NDF}: 507578952196.2/24$

Right Out: 1.215 ± 0.000 $\chi^2/\text{NDF}: 23557664616.0/26$

Left In: 0.977 ± 0.000 $\chi^2/\text{NDF}: 568209676597.4/22$

Left: 0.892 ± 0.000 $\chi^2/\text{NDF}: 1077036497291.8/47$

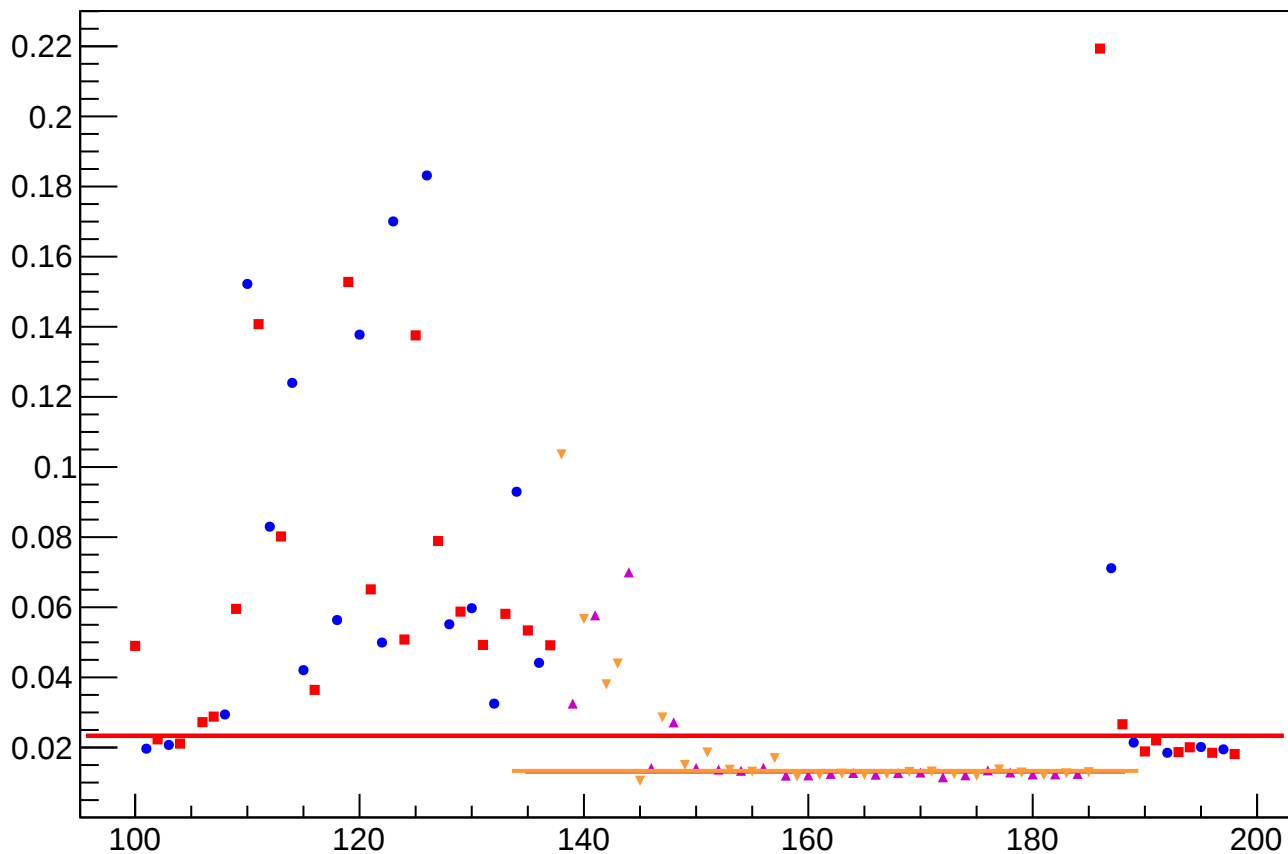
Right: 1.074 ± 0.000 $\chi^2/\text{NDF}: 42545910193.3/48$

In: 0.968 ± 0.000 $\chi^2/\text{NDF}: 586648045330.3/44$

Out: 0.863 ± 0.000 $\chi^2/\text{NDF}: 533100122545.7/51$

All: 0.914 ± 0.000 $\chi^2/\text{NDF}: 1120286652134.$

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF : 3648425.0/21

Left Out: 0.013+/-0.000 χ^2/NDF : 2829753.9/24

Right Out: 0.023+/-0.000 χ^2/NDF : 4693077.4/26

Left In: 0.013+/-0.000 χ^2/NDF : 1946693.6/22

Left: 0.013+/-0.000 χ^2/NDF : 4779900.3/47

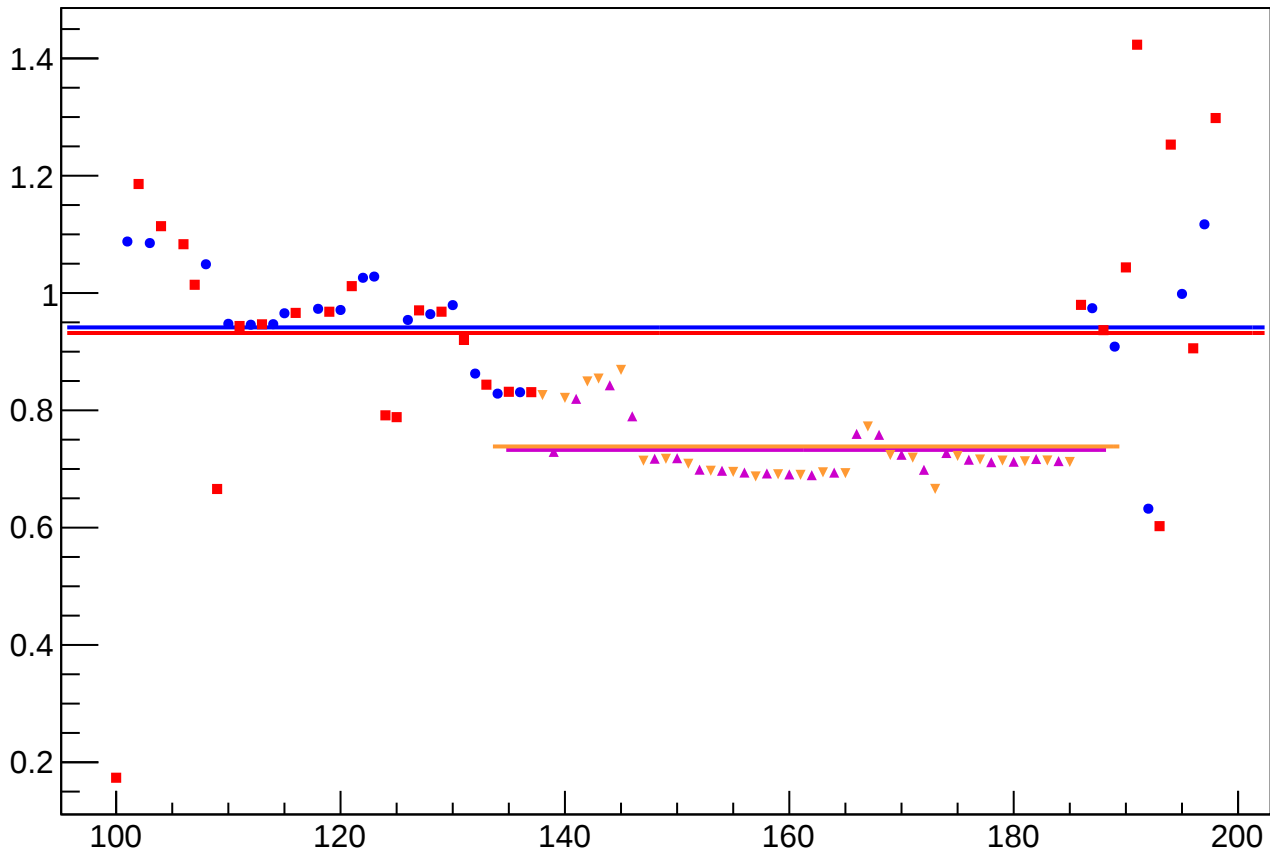
Right: 0.023+/-0.000 χ^2/NDF : 8341685.0/48

In: 0.014+/-0.000 χ^2/NDF : 7554664.4/44

Out: 0.015+/-0.000 χ^2/NDF : 9841437.6/51

All: 0.014+/-0.000 χ^2/NDF : 17416128.4/96

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.941 $\pm$ 0.000 χ^2 /NDF: 312416196.5/21

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF: 310195180.4/24

Right Out: 0.932 $\pm$ 0.000 χ^2 /NDF: 729908355.0/26

Left In: 0.733 $\pm$ 0.000 χ^2 /NDF: 170102394.7/22

Left: 0.736 $\pm$ 0.000 χ^2 /NDF: 481708989.2/47

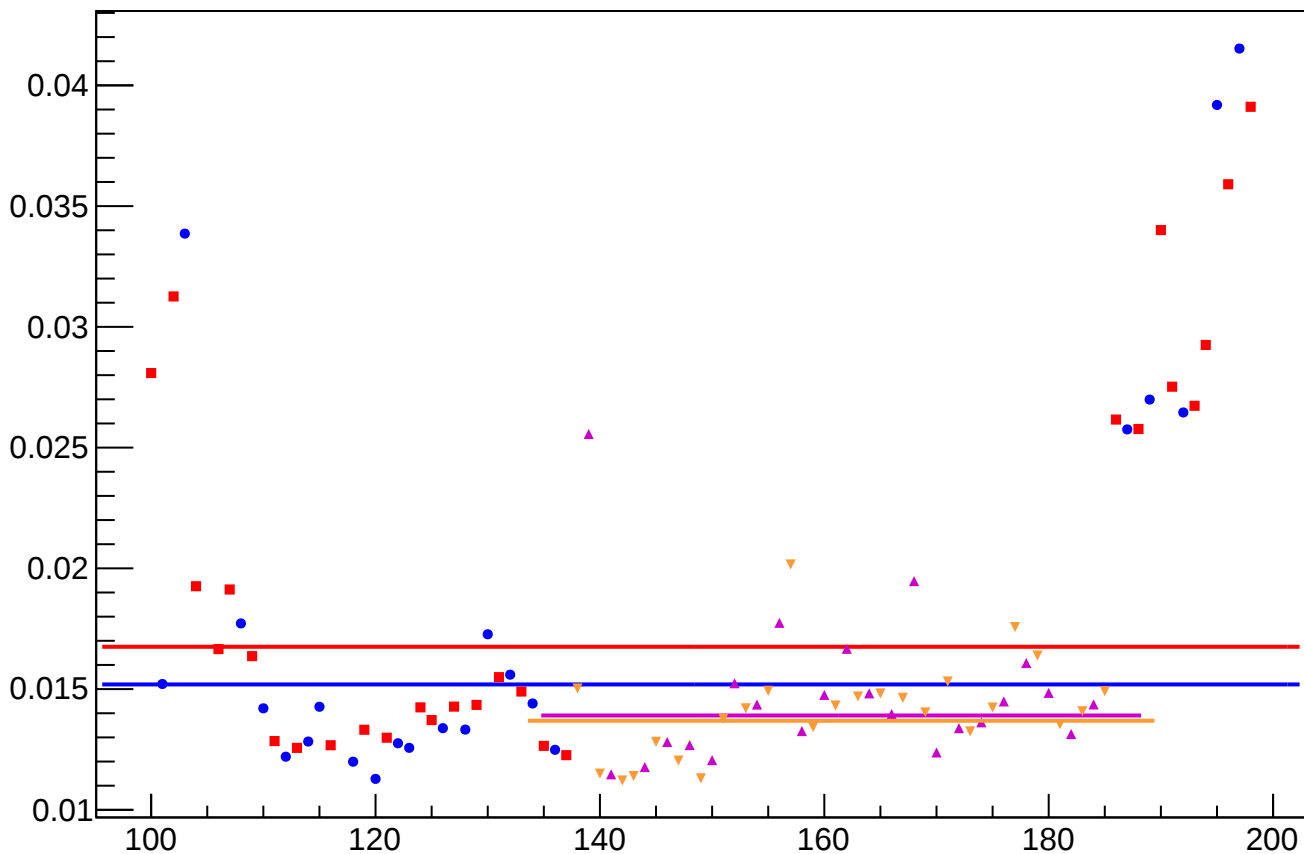
Right: 0.937 $\pm$ 0.000 χ^2 /NDF: 1043882991.8/48

In: 0.795 $\pm$ 0.000 χ^2 /NDF: 1518187239.7/44

Out: 0.794 $\pm$ 0.000 χ^2 /NDF: 1965625467.6/51

All: 0.794 $\pm$ 0.000 χ^2 /NDF: 3483855634.2/96

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 2310656.6/21

Left Out: 0.014 $\pm$ 0.000 χ^2 /NDF:528480.6/24

Right Out: 0.017 $\pm$ 0.000 χ^2 /NDF: 2774793.9/26

Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:768161.9/22

Left: 0.014 $\pm$ 0.000 χ^2 /NDF: 1300553.4/47

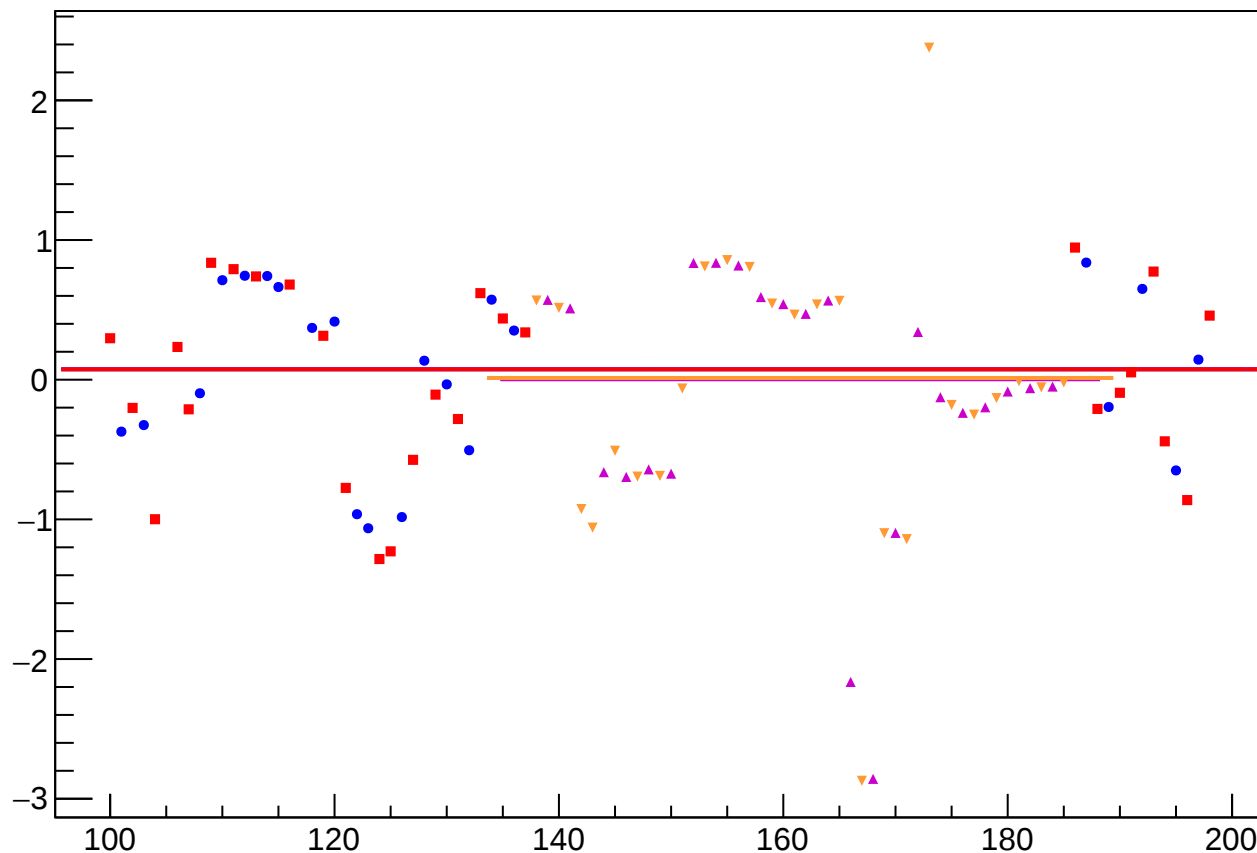
Right: 0.016 $\pm$ 0.000 χ^2 /NDF: 5168729.7/48

In: 0.014 $\pm$ 0.000 χ^2 /NDF:3157329.0/44

Out: 0.015 $\pm$ 0.000 χ^2 /NDF:3767224.3/51

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 6933603.2/96

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.074+/-0.000 χ^2/NDF : 12272454730.4/21

Left Out: 0.012+/-0.000 χ^2/NDF : 96383858927.1/24

Right Out: 0.074+/-0.000 χ^2/NDF : 23603857719.3/26

Left In: 0.003+/-0.000 χ^2/NDF : 78826489573.0/22

Left: 0.008+/-0.000 χ^2/NDF : 175214894006.3/47

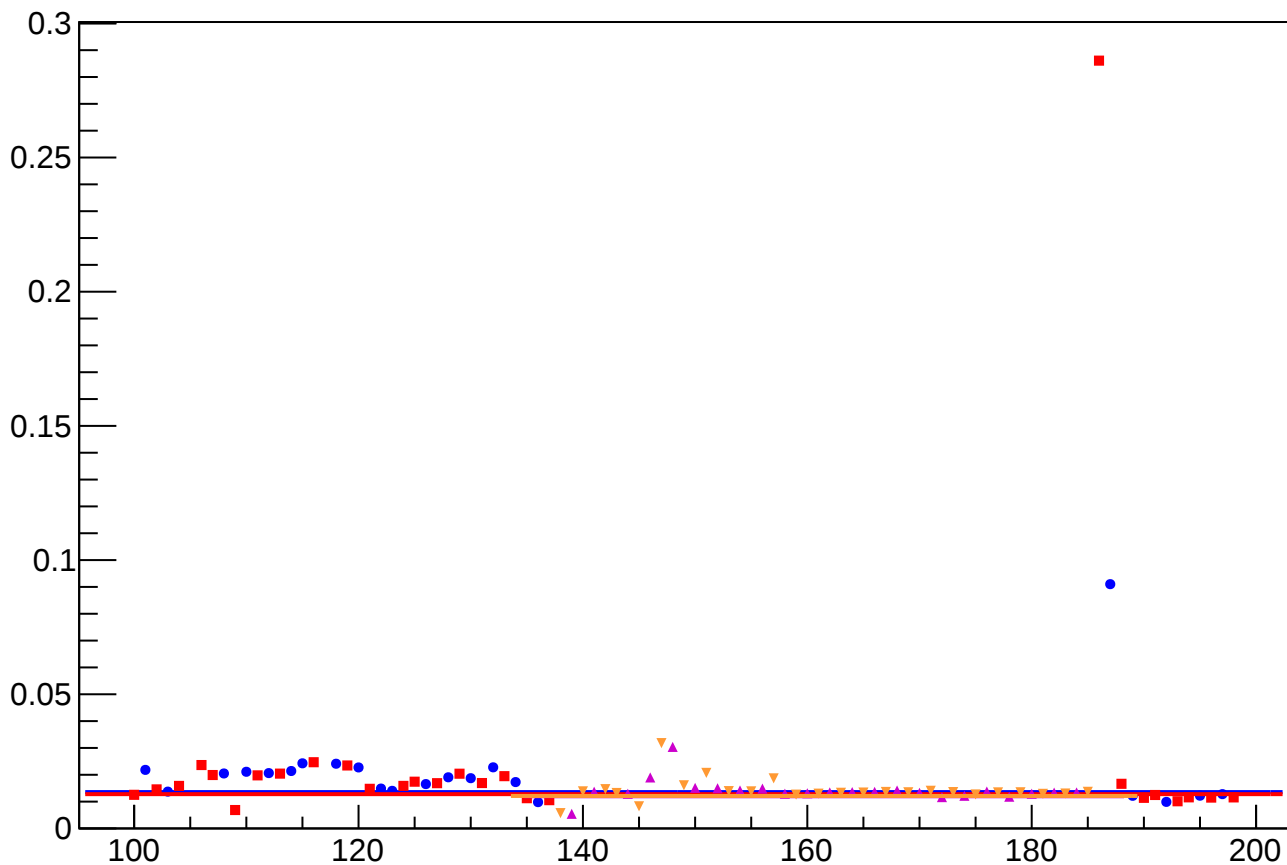
Right: 0.074+/-0.000 χ^2/NDF : 35876312487.5/48

In: 0.024+/-0.000 χ^2/NDF : 91255612181.3/44

Out: 0.034+/-0.000 χ^2/NDF : 120135272956.2/51

All: 0.029+/-0.000 χ^2/NDF : 211398716317.9

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1805928.0/21

Left Out: 0.012+/-0.000 χ^2/NDF : 3105238.9/24

Right Out: 0.013+/-0.000 χ^2/NDF : 2498865.8/26

Left In: 0.012+/-0.000 χ^2/NDF : 3003502.9/22

Left: 0.012+/-0.000 χ^2/NDF : 6110012.2/47

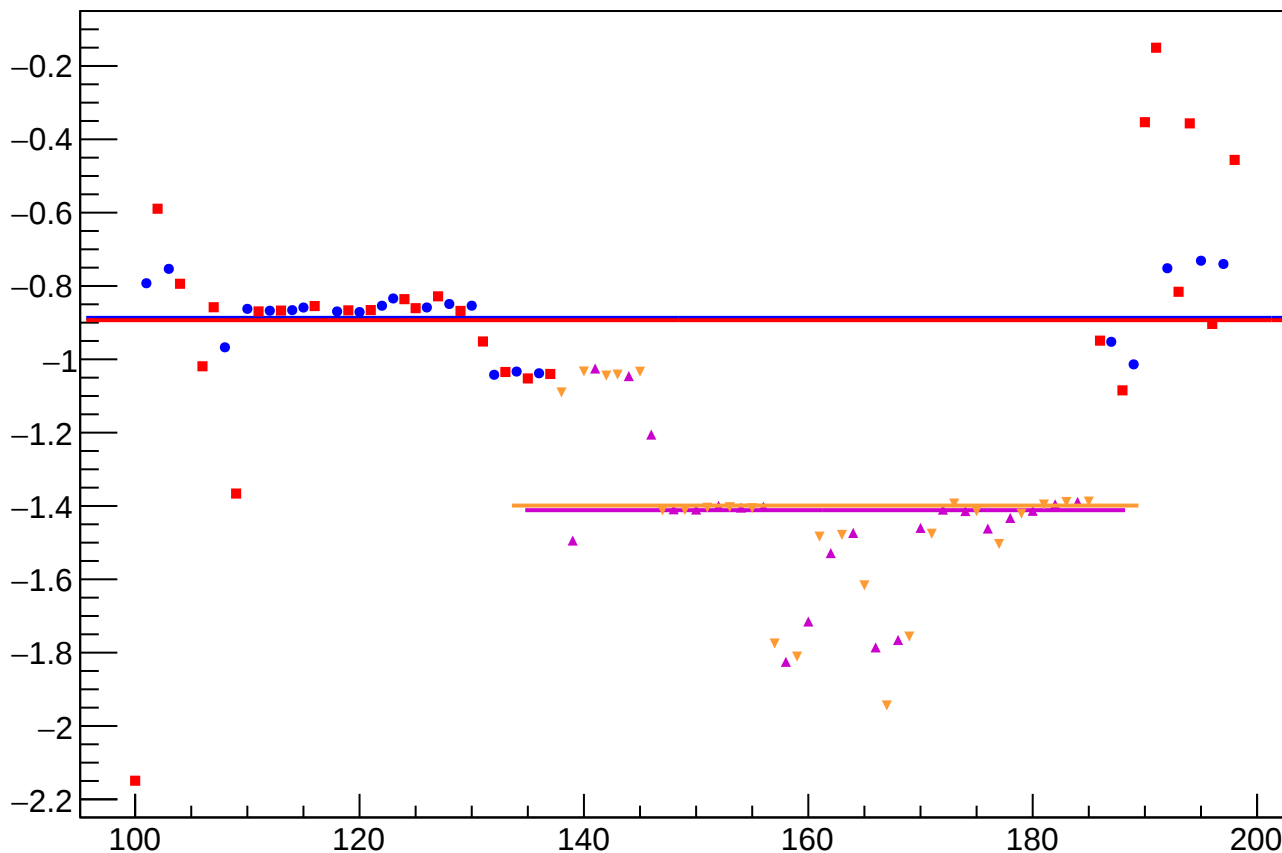
Right: 0.013+/-0.000 χ^2/NDF : 4334228.9/48

In: 0.012+/-0.000 χ^2/NDF : 4957535.1/44

Out: 0.012+/-0.000 χ^2/NDF : 5638979.1/51

All: 0.012+/-0.000 χ^2/NDF : 10598470.4/96

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.887 ± 0.000 $\chi^2/\text{NDF}: 48941004.4/21$

Left Out: -1.399 ± 0.000 $\chi^2/\text{NDF}: 738251911.1/24$

Right Out: -0.893 ± 0.000 $\chi^2/\text{NDF}: 258608949.9/26$

Left In: -1.411 ± 0.000 $\chi^2/\text{NDF}: 512547995.0/22$

Left: -1.405 ± 0.000 $\chi^2/\text{NDF}: 1251791467.1/47$

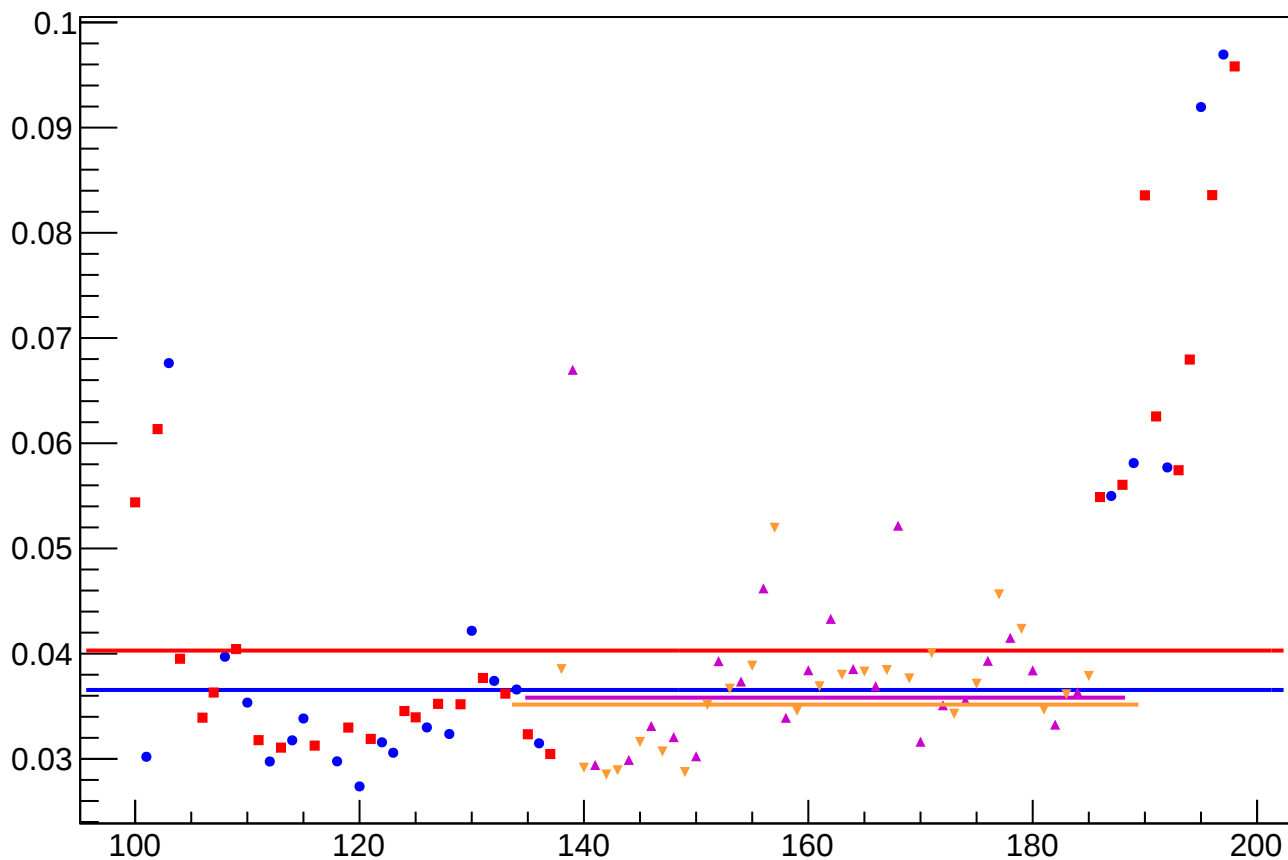
Right: -0.890 ± 0.000 $\chi^2/\text{NDF}: 307669102.1/48$

In: -1.237 ± 0.000 $\chi^2/\text{NDF}: 1653044052.9/44$

Out: -1.237 ± 0.000 $\chi^2/\text{NDF}: 2058396173.0/51$

All: -1.237 ± 0.000 $\chi^2/\text{NDF}: 3711440751.4/9$

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.037 $\pm$ 0.000 χ^2 /NDF: 1984841.8/21

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF:595219.5/24

Right Out: 0.040 $\pm$ 0.000 χ^2 /NDF: 2286732.5/26

Left In: 0.036 $\pm$ 0.000 χ^2 /NDF:864147.6/22

Left: 0.035 $\pm$ 0.000 χ^2 /NDF: 1464751.5/47

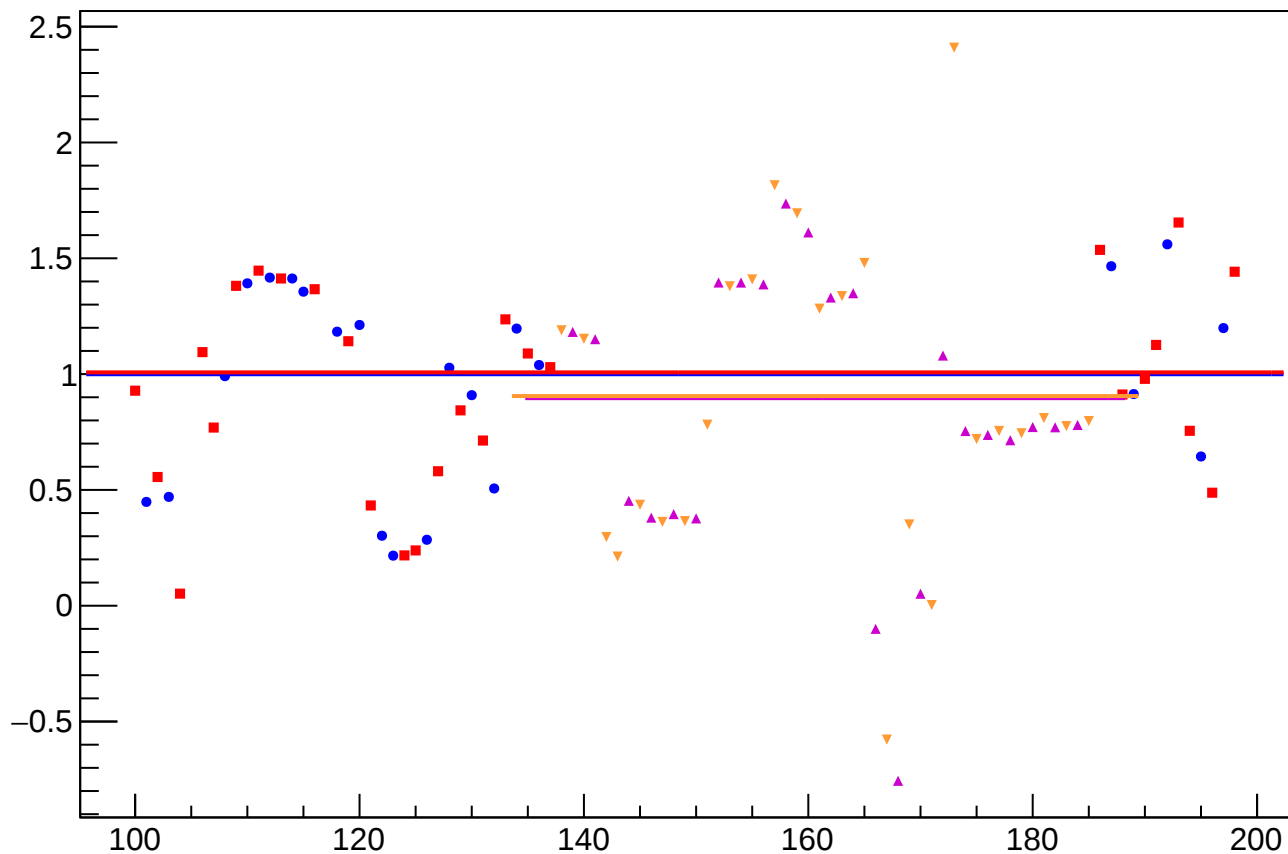
Right: 0.038 $\pm$ 0.000 χ^2 /NDF: 4356117.2/48

In: 0.036 $\pm$ 0.000 χ^2 /NDF:2853232.0/44

Out: 0.037 $\pm$ 0.000 χ^2 /NDF:3100896.6/51

All: 0.036 $\pm$ 0.000 χ^2 /NDF: 5964293.7/96

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.999+/-0.000

χ^2/NDF : 14278678737.9/21

Left: 0.901+/-0.000 χ^2/NDF : 150868618084.6/47

Right: 1.004+/-0.000 χ^2/NDF : 35824193262.7/48

Left Out: 0.905+/-0.000

χ^2/NDF : 84265726513.8/24

In: 0.929+/-0.000 χ^2/NDF : 81557571874.3/44

Right Out: 1.007+/-0.000

χ^2/NDF : 21542165889.0/26

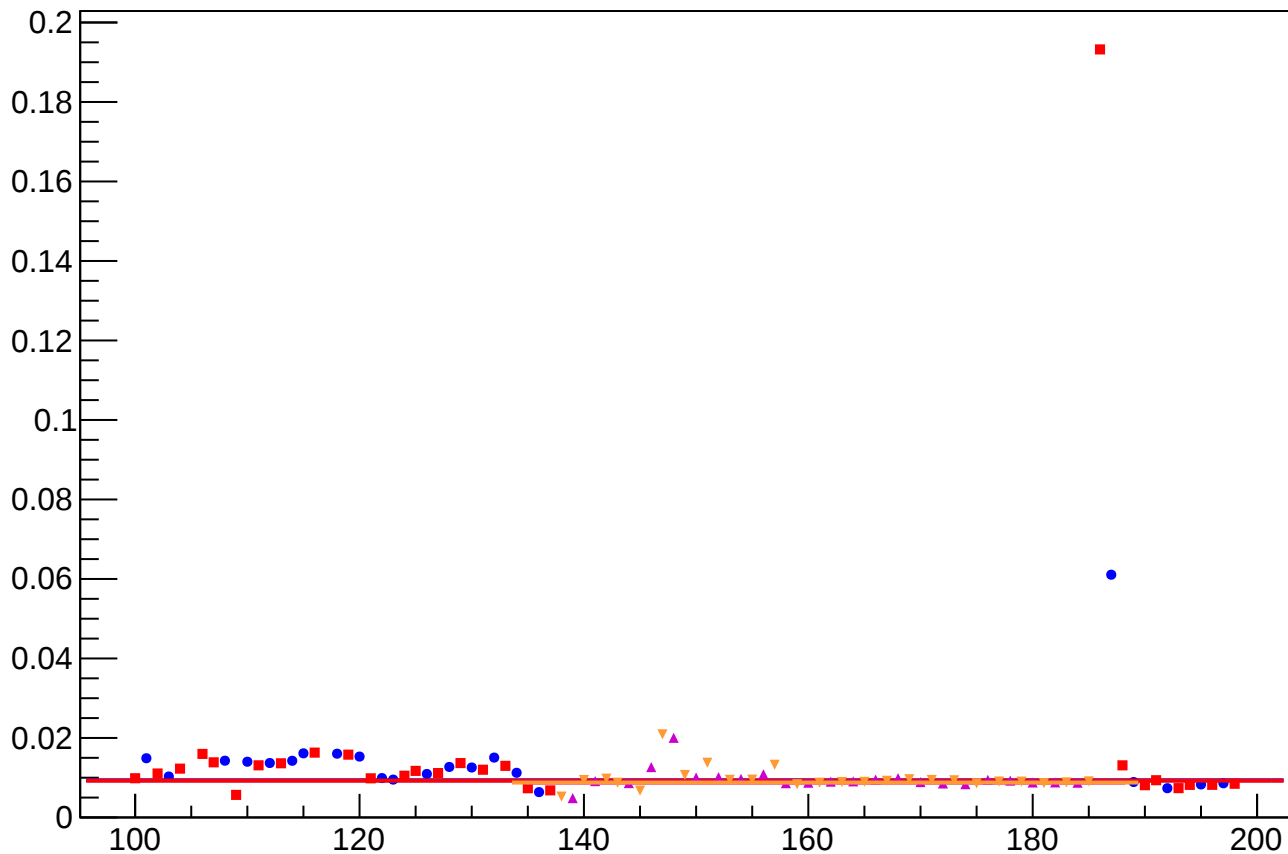
Out: 0.941+/-0.000 χ^2/NDF : 106599145992.2/51

Left In: 0.896+/-0.000

χ^2/NDF : 66594200889.6/22

All: 0.935+/-0.000 χ^2/NDF : 188179650410.6

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 1694404.9/21

Left Out: 0.009+/-0.000 χ^2/NDF : 1697568.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 2169854.7/26

Left In: 0.009+/-0.000 χ^2/NDF : 1607939.0/22

Left: 0.009+/-0.000 χ^2/NDF : 3305514.2/47

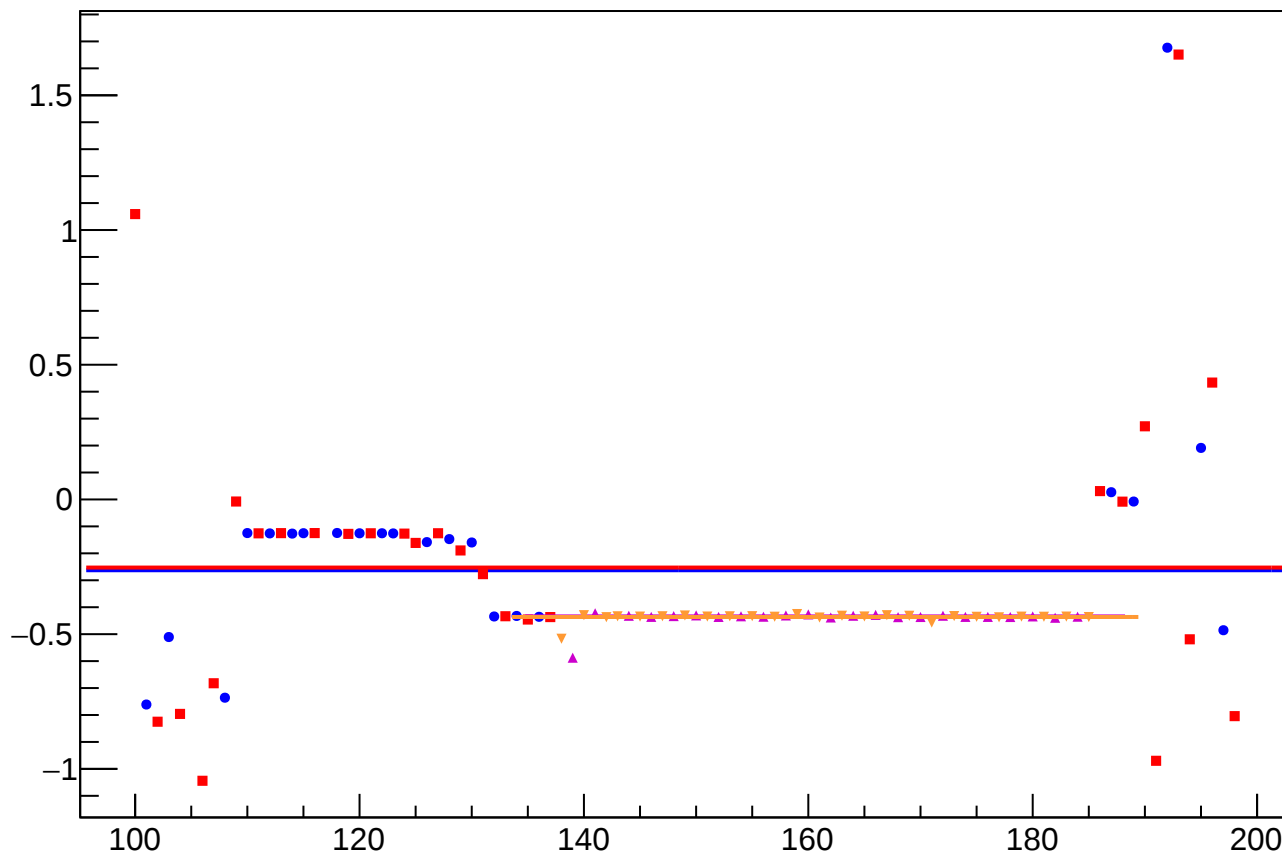
Right: 0.009+/-0.000 χ^2/NDF : 3864902.5/48

In: 0.009+/-0.000 χ^2/NDF : 3344021.7/44

Out: 0.009+/-0.000 χ^2/NDF : 3903039.8/51

All: 0.009+/-0.000 χ^2/NDF : 7247069.5/96

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.263 ± 0.000 $\chi^2/\text{NDF}: 1897822852.1/21$

Left Out: -0.436 ± 0.000 $\chi^2/\text{NDF}: 28774660.0/24$

Right Out: -0.253 ± 0.000 $\chi^2/\text{NDF}: 1883117475.8/26$

Left In: -0.434 ± 0.000 $\chi^2/\text{NDF}: 23984173.0/22$

Left: -0.435 ± 0.000 $\chi^2/\text{NDF}: 53122221.7/47$

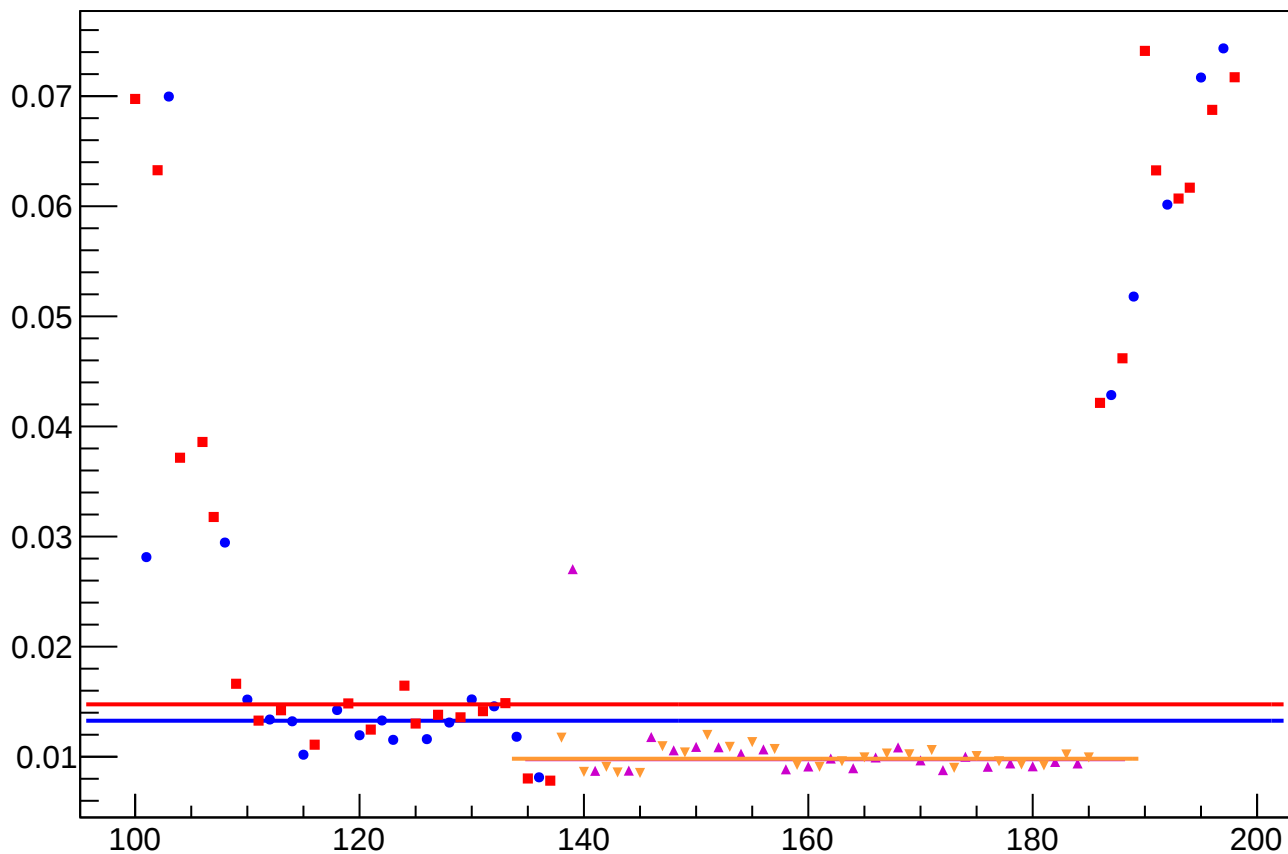
Right: -0.258 ± 0.000 $\chi^2/\text{NDF}: 3782522047.9/48$

In: -0.404 ± 0.000 $\chi^2/\text{NDF}: 2712597268.7/44$

Out: -0.407 ± 0.000 $\chi^2/\text{NDF}: 2792598128.1/51$

All: -0.405 ± 0.000 $\chi^2/\text{NDF}: 5505952119.1/9$

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.013 $\pm$ 0.000 χ^2/NDF : 5465274.0/21

Left Out: 0.010 $\pm$ 0.000 χ^2/NDF :269242.6/24

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 7670348.3/26

Left In: 0.010 $\pm$ 0.000 χ^2/NDF :747550.0/22

Left: 0.010 $\pm$ 0.000 χ^2/NDF : 1017115.3/47

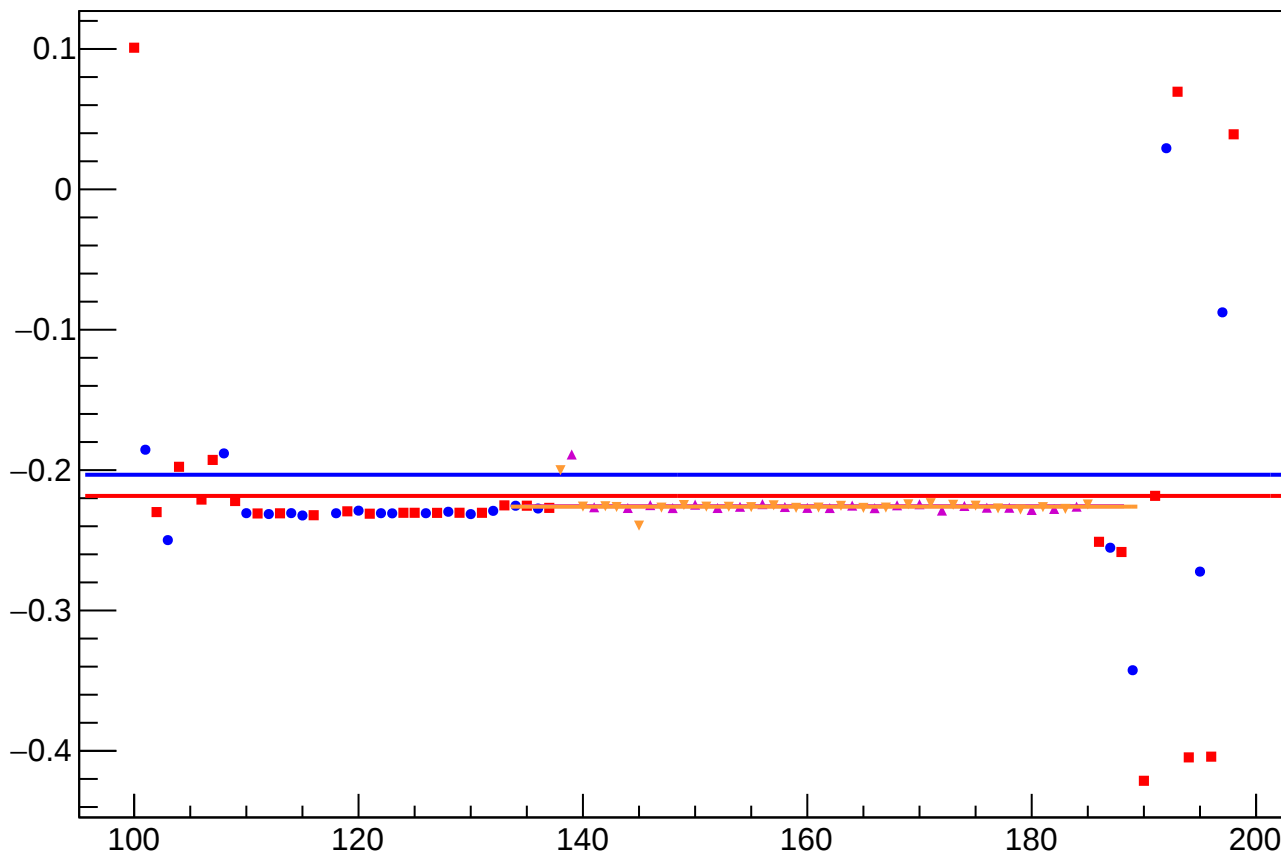
Right: 0.014 $\pm$ 0.000 χ^2/NDF : 13206413.1/48

In: 0.010 $\pm$ 0.000 χ^2/NDF :6871902.0/44

Out: 0.011 $\pm$ 0.000 χ^2/NDF :9217285.3/51

All: 0.011 $\pm$ 0.000 χ^2/NDF : 16098741.4/96

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.203 ± 0.000 $\chi^2/\text{NDF}: 2211958581.9/21$

Left Out: -0.226 ± 0.000 $\chi^2/\text{NDF}: 21205667.4/24$

Right Out: -0.218 ± 0.000 $\chi^2/\text{NDF}: 5464319689.5/26$

Left In: -0.226 ± 0.000 $\chi^2/\text{NDF}: 15245251.1/22$

Left: -0.226 ± 0.000 $\chi^2/\text{NDF}: 36480793.2/47$

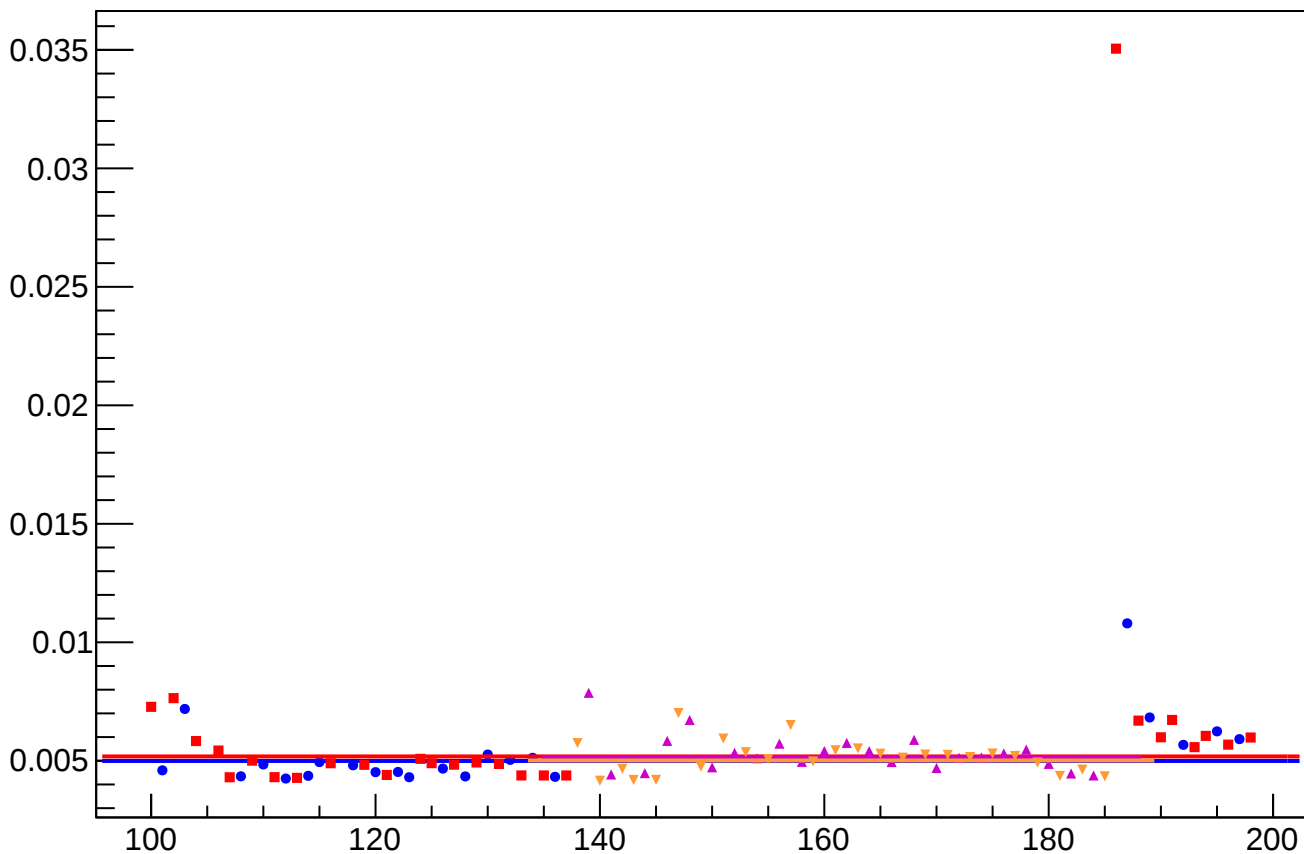
Right: -0.211 ± 0.000 $\chi^2/\text{NDF}: 7718839818.6/48$

In: -0.218 ± 0.000 $\chi^2/\text{NDF}: 2339557265.8/44$

Out: -0.223 ± 0.000 $\chi^2/\text{NDF}: 5500273266.4/51$

All: -0.221 ± 0.000 $\chi^2/\text{NDF}: 7856109365.0/9$

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 499816.3/21

Left Out: 0.005+/-0.000 χ^2/NDF : 530632.6/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1053289.9/26

Left In: 0.005+/-0.000 χ^2/NDF : 493107.7/22

Left: 0.005+/-0.000 χ^2/NDF : 1035156.6/47

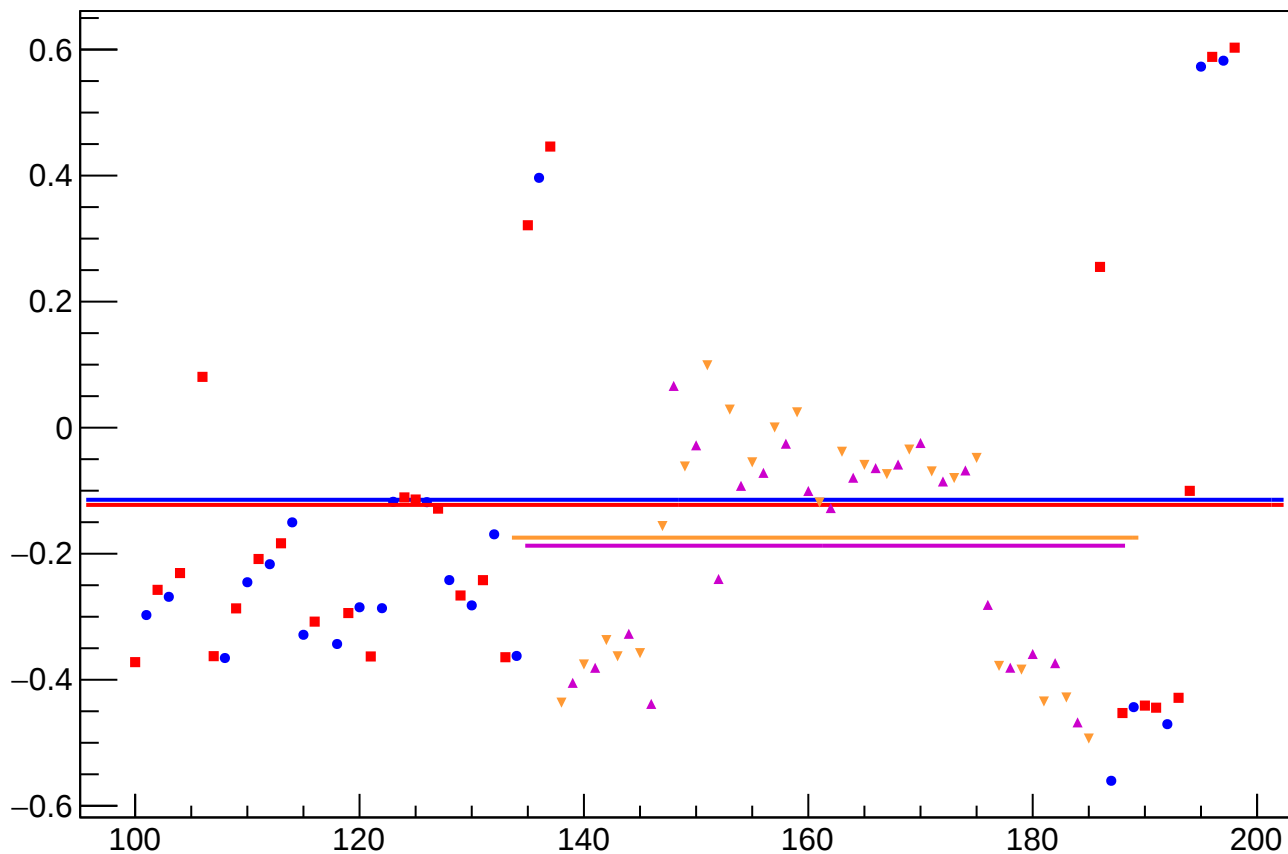
Right: 0.005+/-0.000 χ^2/NDF : 1566803.2/48

In: 0.005+/-0.000 χ^2/NDF : 1003558.1/44

Out: 0.005+/-0.000 χ^2/NDF : 1598498.0/51

All: 0.005+/-0.000 χ^2/NDF : 2602255.2/96

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.114 ± 0.000 $\chi^2/\text{NDF}: 27627894957.0/21$

Left Out: -0.174 ± 0.000 $\chi^2/\text{NDF}: 18025533236.1/24$

Right Out: -0.123 ± 0.000 $\chi^2/\text{NDF}: 30123438349.4/26$

Left In: -0.187 ± 0.000 $\chi^2/\text{NDF}: 12816646575.4/22$

Left: -0.181 ± 0.000 $\chi^2/\text{NDF}: 30888184231.6/47$

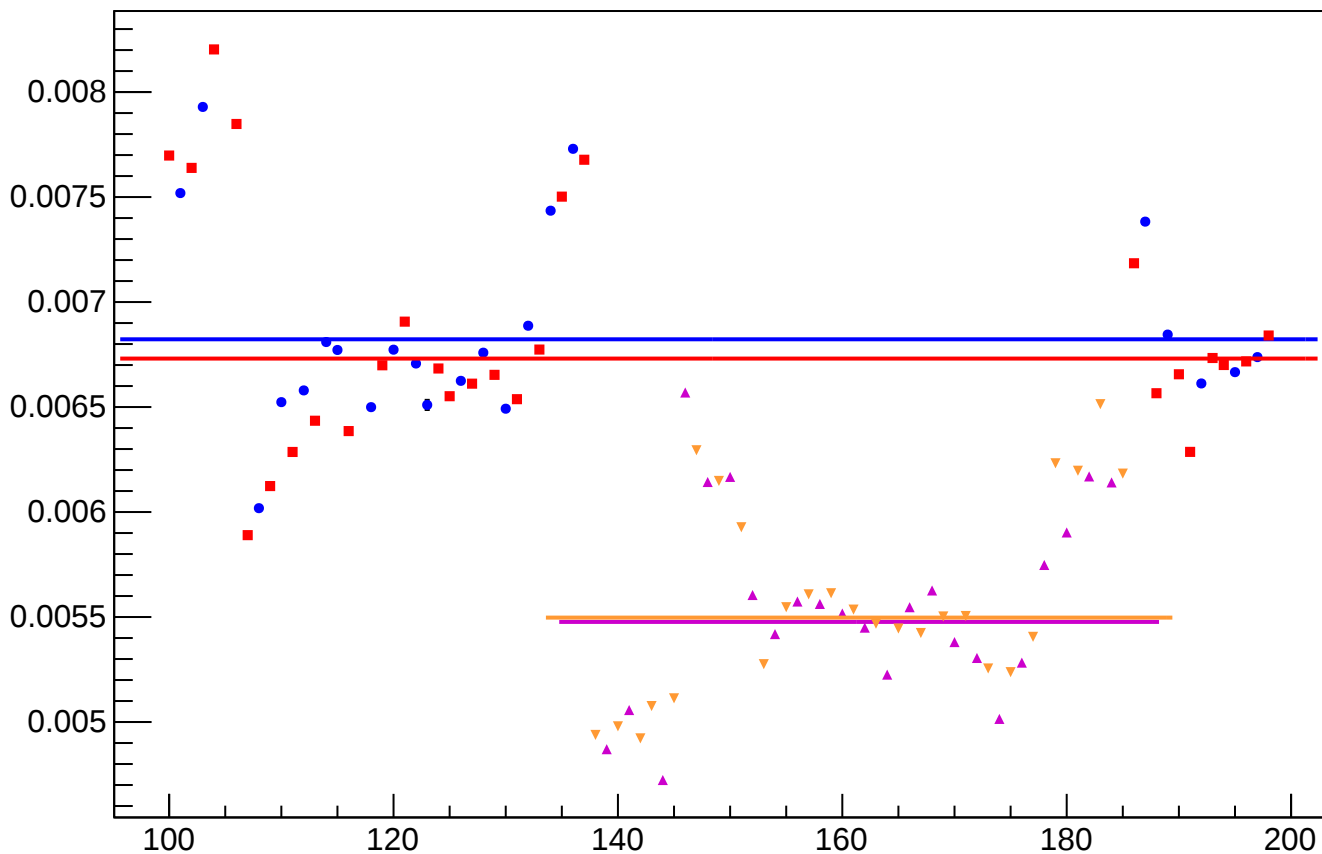
Right: -0.119 ± 0.000 $\chi^2/\text{NDF}: 57758932538.1/48$

In: -0.167 ± 0.000 $\chi^2/\text{NDF}: 41239867741.4/44$

Out: -0.158 ± 0.000 $\chi^2/\text{NDF}: 48635295326.8/51$

All: -0.163 ± 0.000 $\chi^2/\text{NDF}: 89907648201.5/100$

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 84031.1/21

Left Out: 0.005+/-0.000 χ^2/NDF :198746.4/24

Right Out: 0.007+/-0.000 χ^2/NDF : 112713.1/26

Left In: 0.005+/-0.000 χ^2/NDF :202181.4/22

Left: 0.005+/-0.000 χ^2/NDF : 401165.3/47

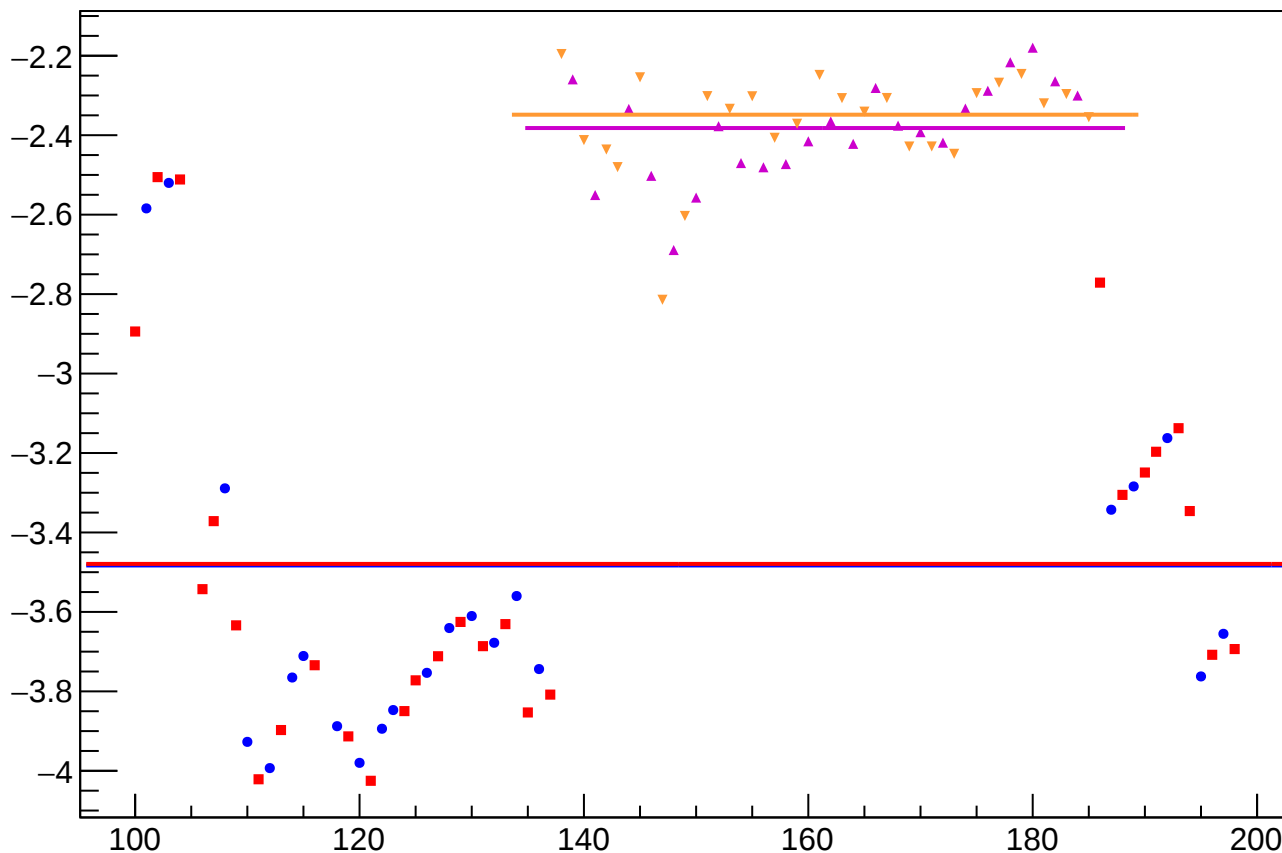
Right: 0.007+/-0.000 χ^2/NDF : 198687.8/48

In: 0.006+/-0.000 χ^2/NDF :828854.4/44

Out: 0.006+/-0.000 χ^2/NDF :859685.5/51

All: 0.006+/-0.000 χ^2/NDF : 1689608.8/96

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.483+/-0.000 χ^2/NDF : 28631439479.5/21

Left Out: -2.348+/-0.000 χ^2/NDF : 2158686333.4/24

Right Out: -3.479+/-0.000 χ^2/NDF : 29776200579.9/26

Left In: -2.382+/-0.000 χ^2/NDF : 2318395228.4/22

Left: -2.365+/-0.000 χ^2/NDF : 4600738143.2/47

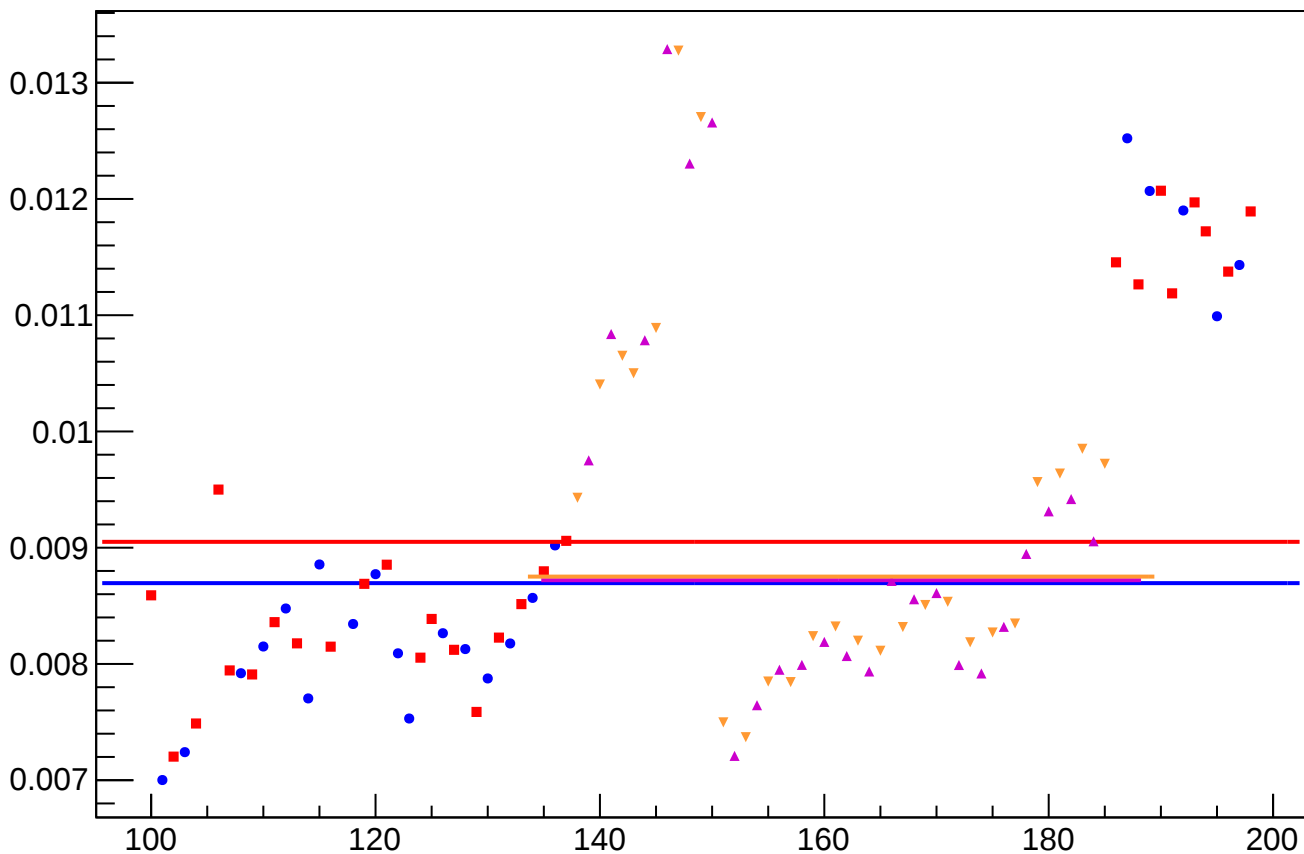
Right: -3.481+/-0.000 χ^2/NDF : 58408615950.0/48

In: -2.784+/-0.000 χ^2/NDF : 125342201893.5/44

Out: -2.780+/-0.000 χ^2/NDF : 141751895229.8/51

All: -2.782+/-0.000 χ^2/NDF : 267096405329.5

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 537078.7/21

Left Out: 0.009+/-0.000 χ^2/NDF : 663672.8/24

Right Out: 0.009+/-0.000 χ^2/NDF : 719645.1/26

Left In: 0.009+/-0.000 χ^2/NDF : 747867.0/22

Left: 0.009+/-0.000 χ^2/NDF : 1411749.0/47

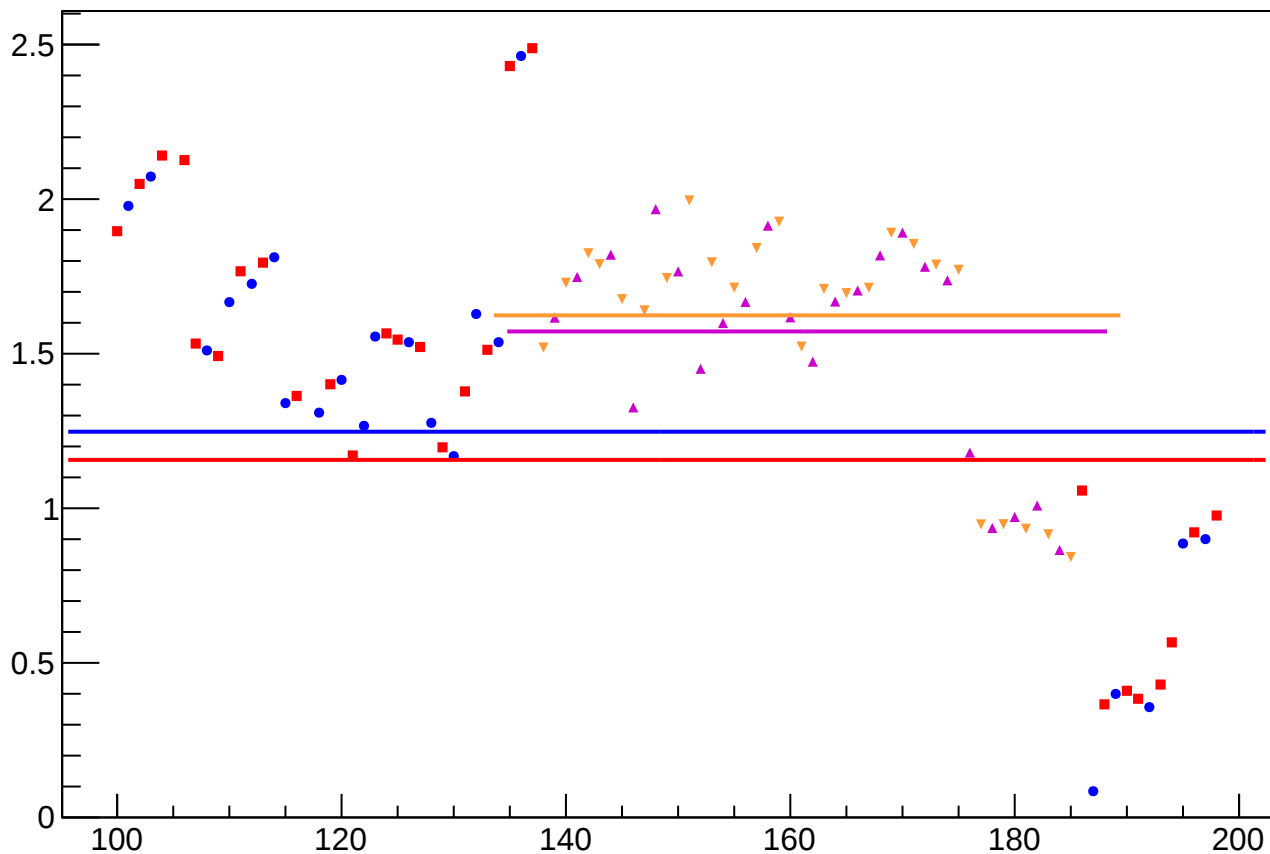
Right: 0.009+/-0.000 χ^2/NDF : 1273166.4/48

In: 0.009+/-0.000 χ^2/NDF : 1285045.6/44

Out: 0.009+/-0.000 χ^2/NDF : 1398680.3/51

All: 0.009+/-0.000 χ^2/NDF : 2692047.6/96

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.248+/-0.000 χ^2/NDF : 26144635654.0/21

Left Out: 1.624+/-0.000 χ^2/NDF : 16631112386.4/24

Right Out: 1.157+/-0.000 χ^2/NDF : 32233576101.3/26

Left In: 1.572+/-0.000 χ^2/NDF : 14230484809.4/22

Left: 1.599+/-0.000 χ^2/NDF : 31067753064.6/47

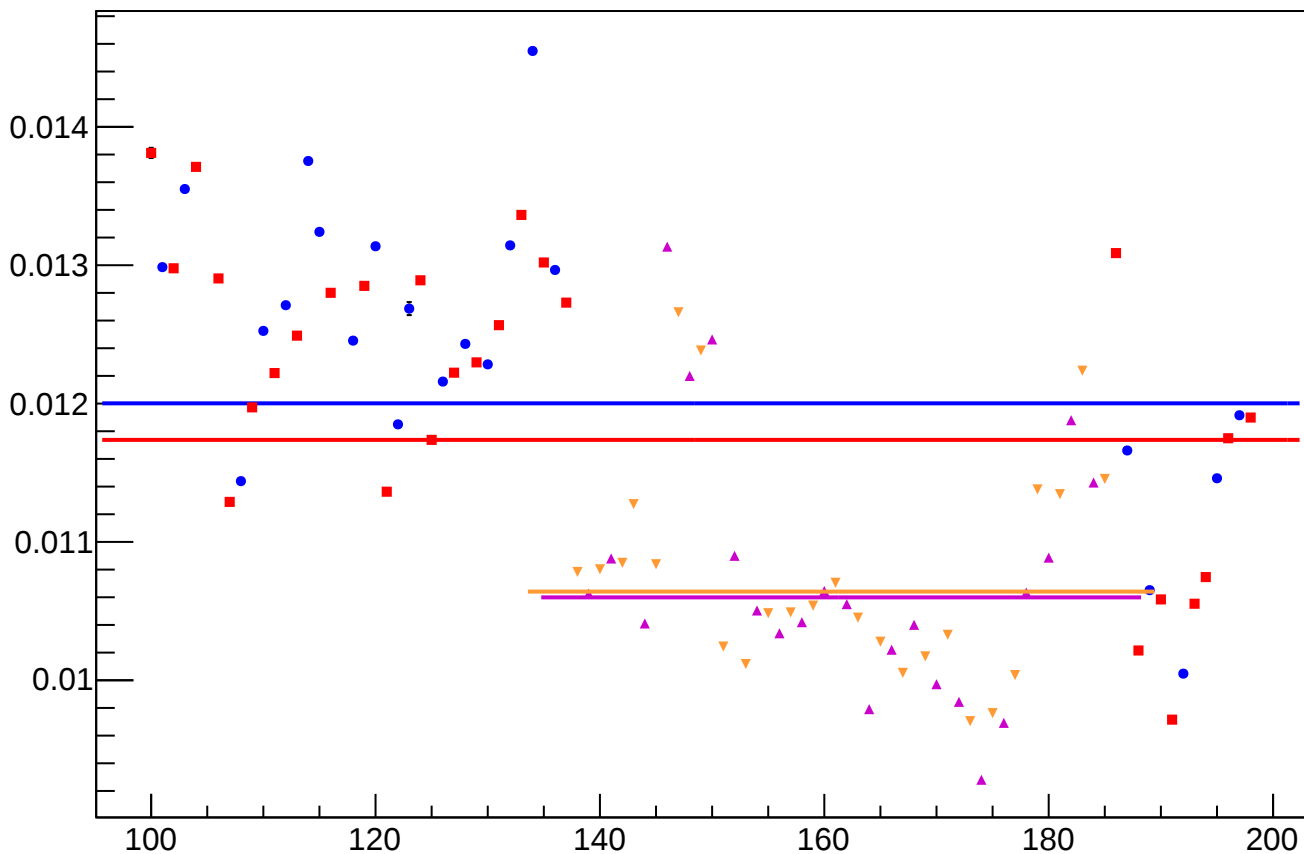
Right: 1.196+/-0.000 χ^2/NDF : 58687168011.7/48

In: 1.472+/-0.000 χ^2/NDF : 45177189134.1/44

Out: 1.459+/-0.000 χ^2/NDF : 60919018087.7/51

All: 1.465+/-0.000 χ^2/NDF : 106115095951.2

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 154913.1/21

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:159760.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 195582.7/26

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:204531.5/22

Left: 0.011 $\pm$ 0.000 χ^2 /NDF: 364556.9/47

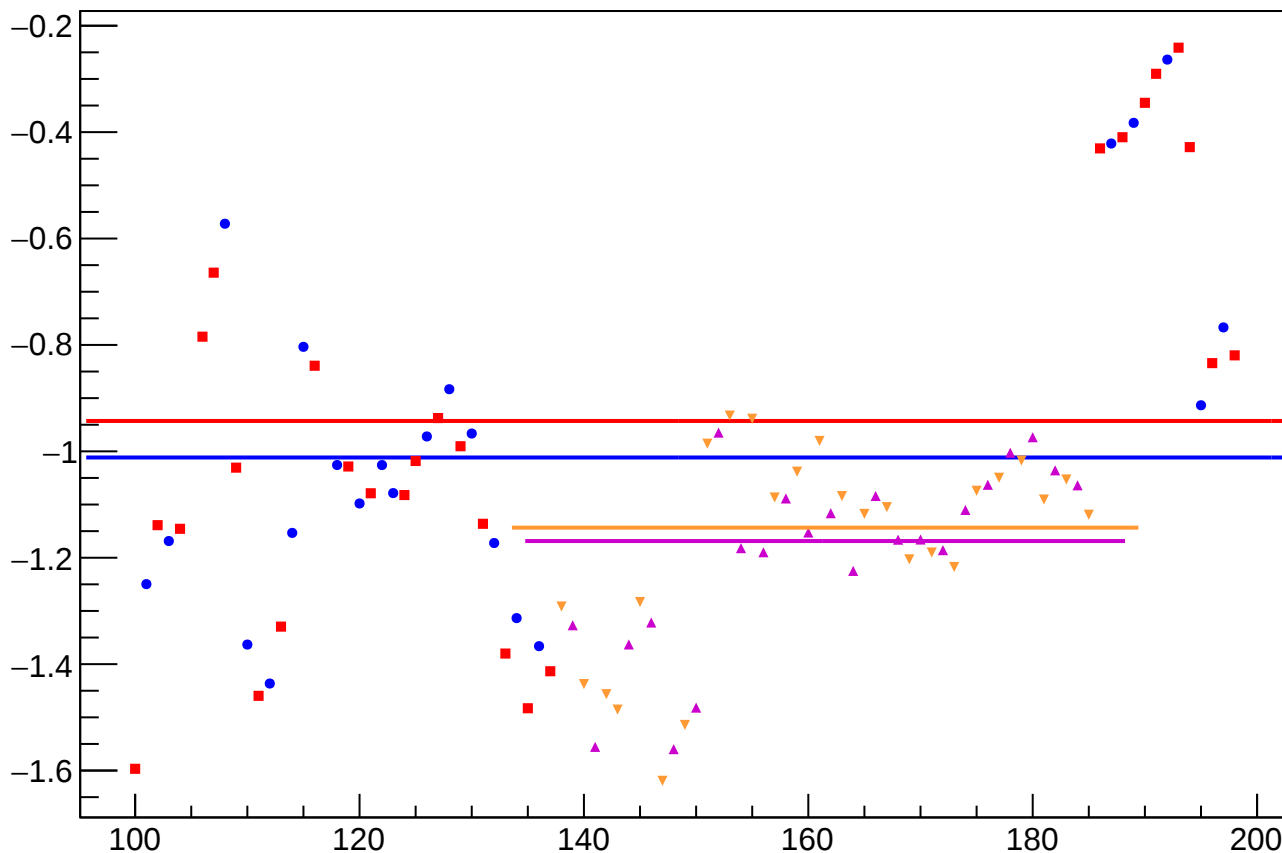
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 355694.8/48

In: 0.011 $\pm$ 0.000 χ^2 /NDF:539089.2/44

Out: 0.011 $\pm$ 0.000 χ^2 /NDF:487992.3/51

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 1027085.3/96

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -1.012 ± 0.000 $\chi^2/\text{NDF}: 10440864490.5/21$

Left Out: -1.143 ± 0.000 $\chi^2/\text{NDF}: 7976364534.0/24$

Right Out: -0.943 ± 0.000 $\chi^2/\text{NDF}: 15704390039.3/26$

Left In: -1.169 ± 0.000 $\chi^2/\text{NDF}: 6362643368.6/22$

Left: -1.156 ± 0.000 $\chi^2/\text{NDF}: 14424995220.9/47$

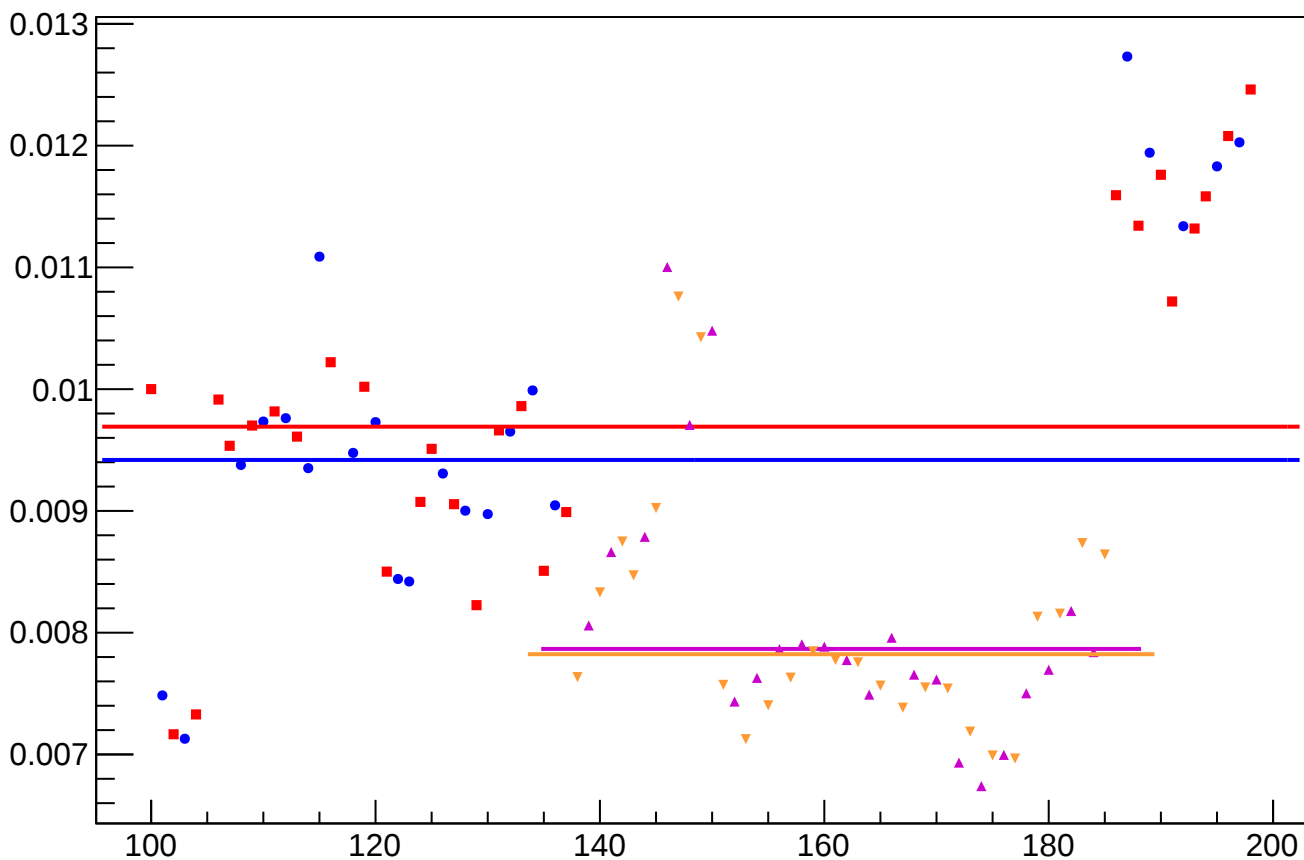
Right: -0.975 ± 0.000 $\chi^2/\text{NDF}: 26407716136.6/48$

In: -1.124 ± 0.000 $\chi^2/\text{NDF}: 18634877394.4/44$

Out: -1.083 ± 0.000 $\chi^2/\text{NDF}: 27065265045.8/51$

All: -1.103 ± 0.000 $\chi^2/\text{NDF}: 46021532128.2/100$

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 458700.7/21

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:336387.6/24

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 587833.9/26

Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:379901.3/22

Left: 0.008 $\pm$ 0.000 χ^2 /NDF: 716803.8/47

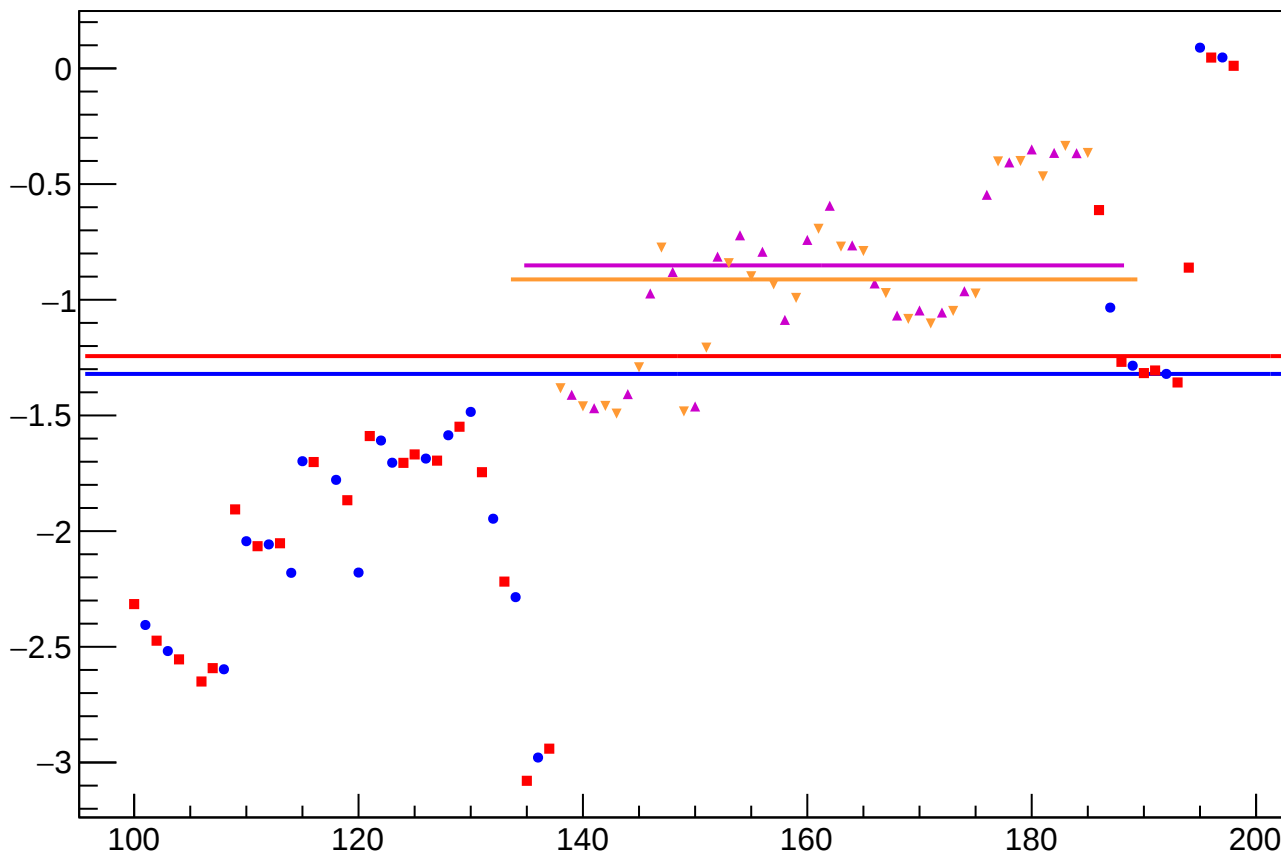
Right: 0.010 $\pm$ 0.000 χ^2 /NDF: 1054855.9/48

In: 0.008 $\pm$ 0.000 χ^2 /NDF:1196240.2/44

Out: 0.008 $\pm$ 0.000 χ^2 /NDF:1512347.9/51

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2710958.7/96

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -1.321+/-0.000 χ^2/NDF : 211743562483.4/21

Left Out: -0.912+/-0.000 χ^2/NDF : 49039425818.1/24

Right Out: -1.244+/-0.000 χ^2/NDF : 244724246979.5/26

Left In: -0.851+/-0.000 χ^2/NDF : 46438446008.2/22

Left: -0.882+/-0.000 χ^2/NDF : 96285672564.6/47

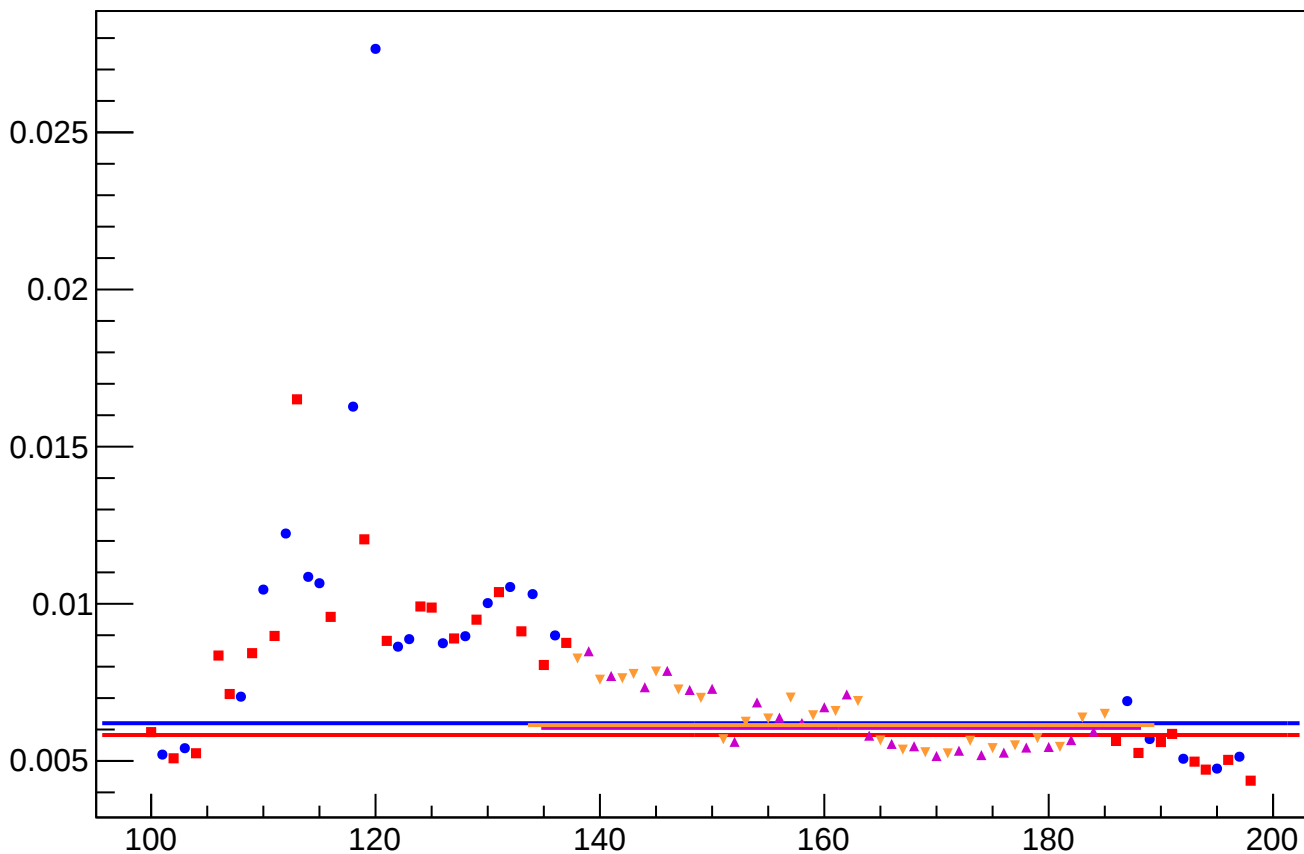
Right: -1.275+/-0.000 χ^2/NDF : 457164033794.8/48

In: -0.998+/-0.000 χ^2/NDF : 288016944931.2/44

Out: -1.043+/-0.000 χ^2/NDF : 313090948299.6/51

All: -1.022+/-0.000 χ^2/NDF : 601806981534.6

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 1829279.3/21

Left Out: 0.006+/-0.000 χ^2/NDF : 637765.4/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1833068.5/26

Left In: 0.006+/-0.000 χ^2/NDF : 697577.8/22

Left: 0.006+/-0.000 χ^2/NDF : 1338871.2/47

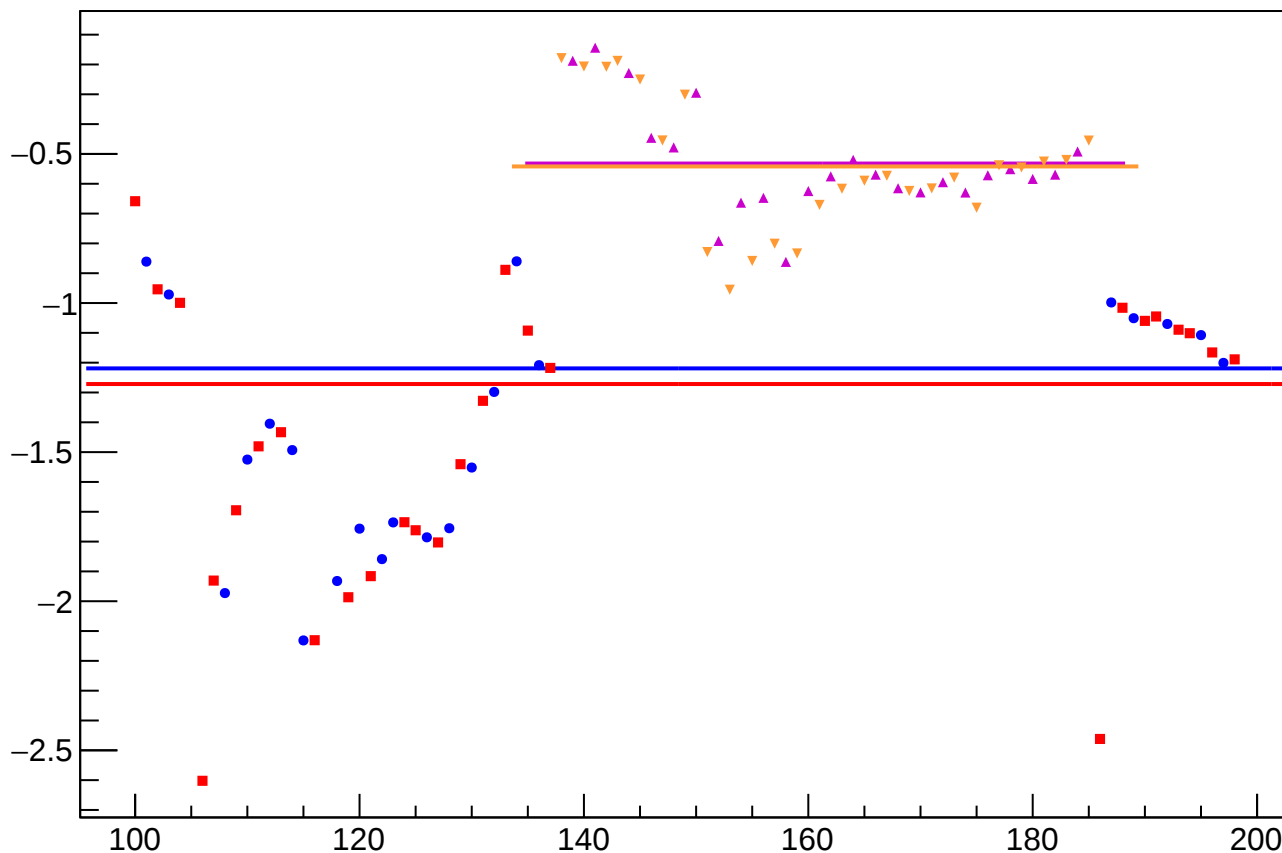
Right: 0.006+/-0.000 χ^2/NDF : 3695368.3/48

In: 0.006+/-0.000 χ^2/NDF : 2532814.6/44

Out: 0.006+/-0.000 χ^2/NDF : 2506021.3/51

All: 0.006+/-0.000 χ^2/NDF : 5043367.0/96

yield_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: -1.219+/-0.000 χ^2/NDF : 26161033181.6/21

Left Out: -0.542+/-0.000 χ^2/NDF : 47268284910.3/24

Right Out: -1.272+/-0.000 χ^2/NDF : 77949403733.1/26

Left In: -0.532+/-0.000 χ^2/NDF : 30715235426.8/22

Left: -0.537+/-0.000 χ^2/NDF : 78028833870.1/47

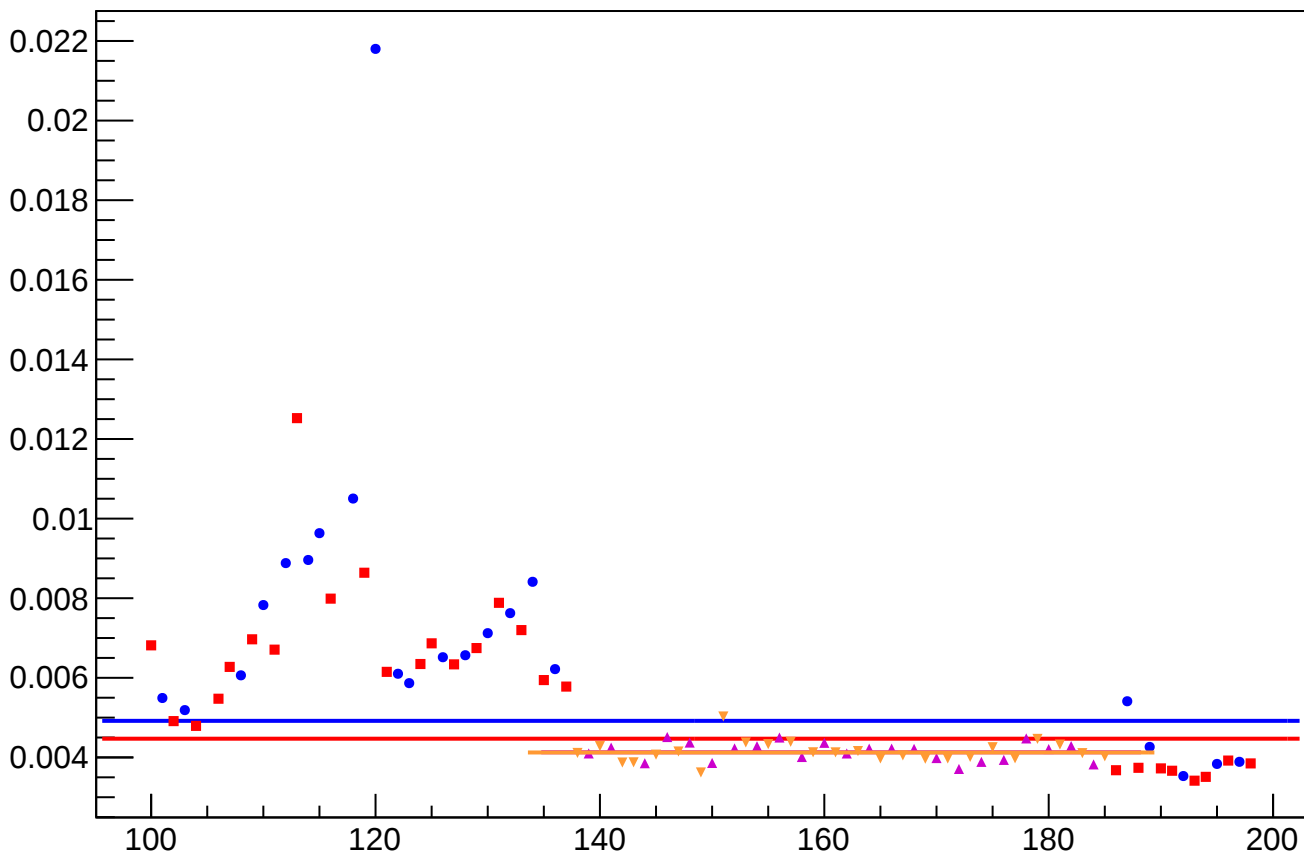
Right: -1.251+/-0.000 χ^2/NDF : 104635815442.3/48

In: -0.705+/-0.000 χ^2/NDF : 167965551071.6/44

Out: -0.782+/-0.000 χ^2/NDF : 299041001150.9/51

All: -0.747+/-0.000 χ^2/NDF : 471043913721.4

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 1675324.9/21

Left Out: 0.004+/-0.000 χ^2/NDF :113033.9/24

Right Out: 0.004+/-0.000 χ^2/NDF : 1781598.2/26

Left In: 0.004+/-0.000 χ^2/NDF :93111.2/22

Left: 0.004+/-0.000 χ^2/NDF : 206172.1/47

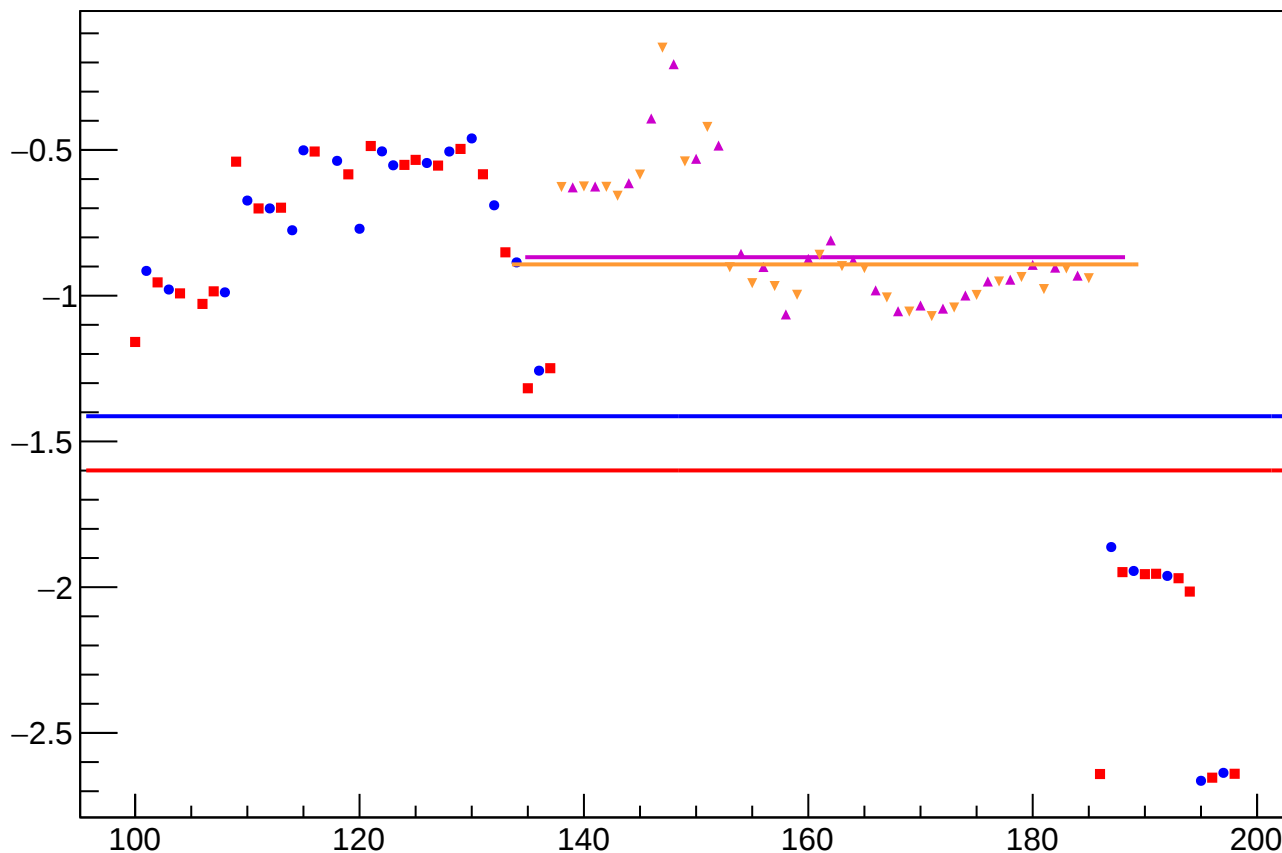
Right: 0.005+/-0.000 χ^2/NDF : 3533740.3/48

In: 0.004+/-0.000 χ^2/NDF :2061685.2/44

Out: 0.004+/-0.000 χ^2/NDF :1972839.1/51

All: 0.004+/-0.000 χ^2/NDF : 4045445.4/96

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -1.414+/-0.000 χ^2/NDF : 167850601871.6/21

Left Out: -0.893+/-0.000 χ^2/NDF : 40787012603.8/24

Right Out: -1.599+/-0.000 χ^2/NDF : 259729070064.1/26

Left In: -0.868+/-0.000 χ^2/NDF : 43853190177.2/22

Left: -0.880+/-0.000 χ^2/NDF : 84980637247.0/47

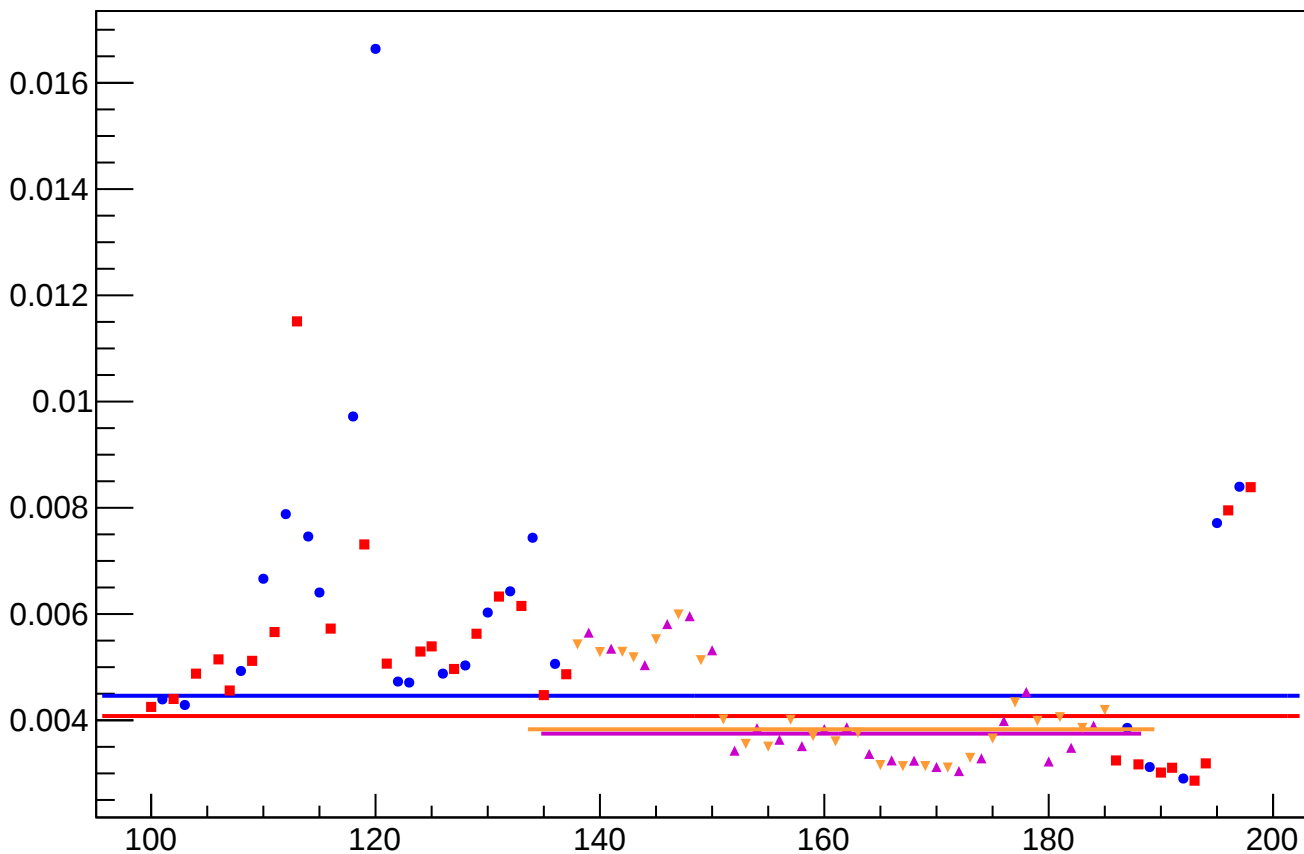
Right: -1.526+/-0.000 χ^2/NDF : 435576929848.8/48

In: -1.007+/-0.000 χ^2/NDF : 296406421709.8/44

Out: -1.135+/-0.000 χ^2/NDF : 493114706398.0/51

All: -1.075+/-0.000 χ^2/NDF : 802530656149.9

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 2182166.3/21

Left Out: 0.004+/-0.000 χ^2/NDF :1179801.7/24

Right Out: 0.004+/-0.000 χ^2/NDF : 2379448.8/26

Left In: 0.004+/-0.000 χ^2/NDF :1288490.4/22

Left: 0.004+/-0.000 χ^2/NDF : 2475792.1/47

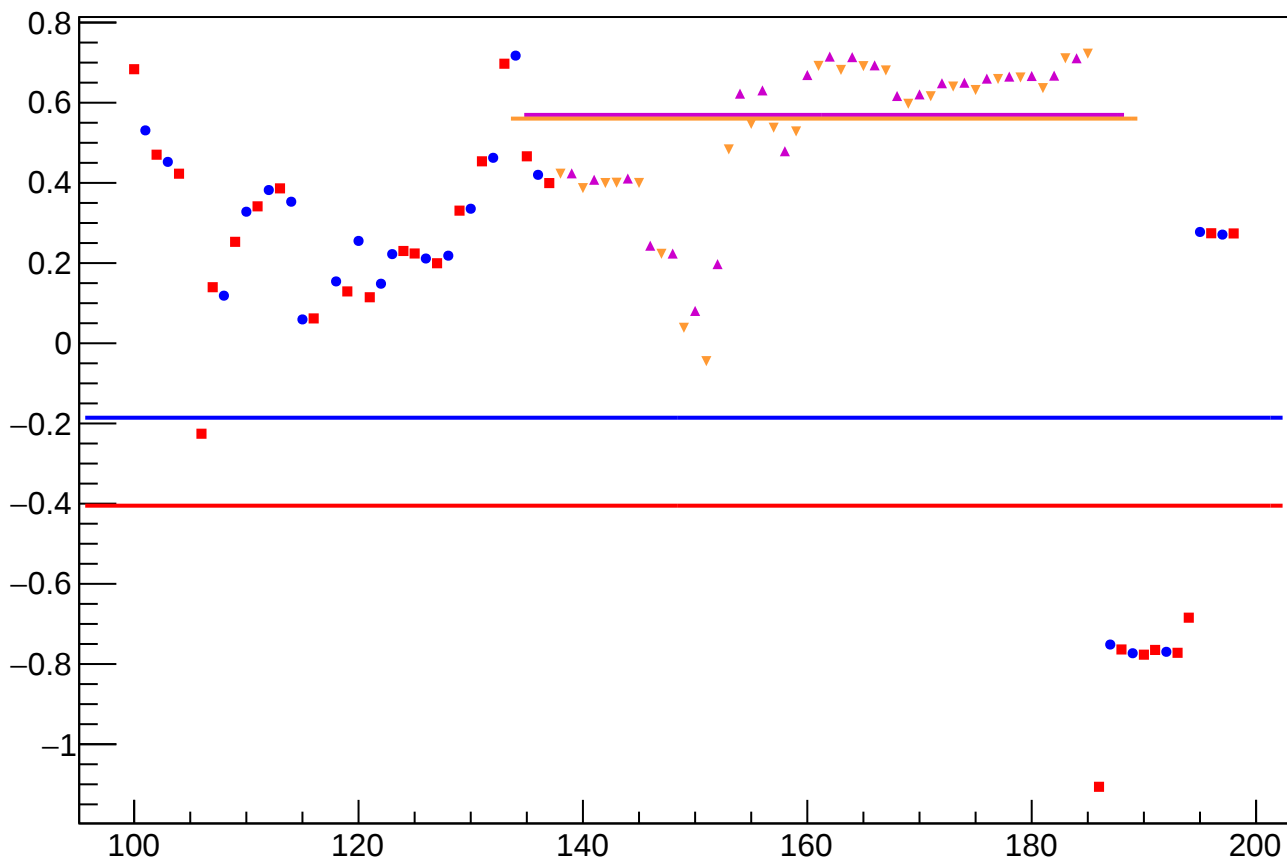
Right: 0.004+/-0.000 χ^2/NDF : 4628965.2/48

In: 0.004+/-0.000 χ^2/NDF :3759520.7/44

Out: 0.004+/-0.000 χ^2/NDF :3607055.9/51

All: 0.004+/-0.000 χ^2/NDF : 7366915.6/96

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: -0.186 ± 0.000 $\chi^2/\text{NDF}: 250807183097.3/21$

Left Out: 0.560 ± 0.000 $\chi^2/\text{NDF}: 45205806387.2/24$

Right Out: -0.405 ± 0.000 $\chi^2/\text{NDF}: 393755847220.2/26$

Left In: 0.570 ± 0.000 $\chi^2/\text{NDF}: 42104067973.0/22$

Left: 0.565 ± 0.000 $\chi^2/\text{NDF}: 87378176036.1/47$

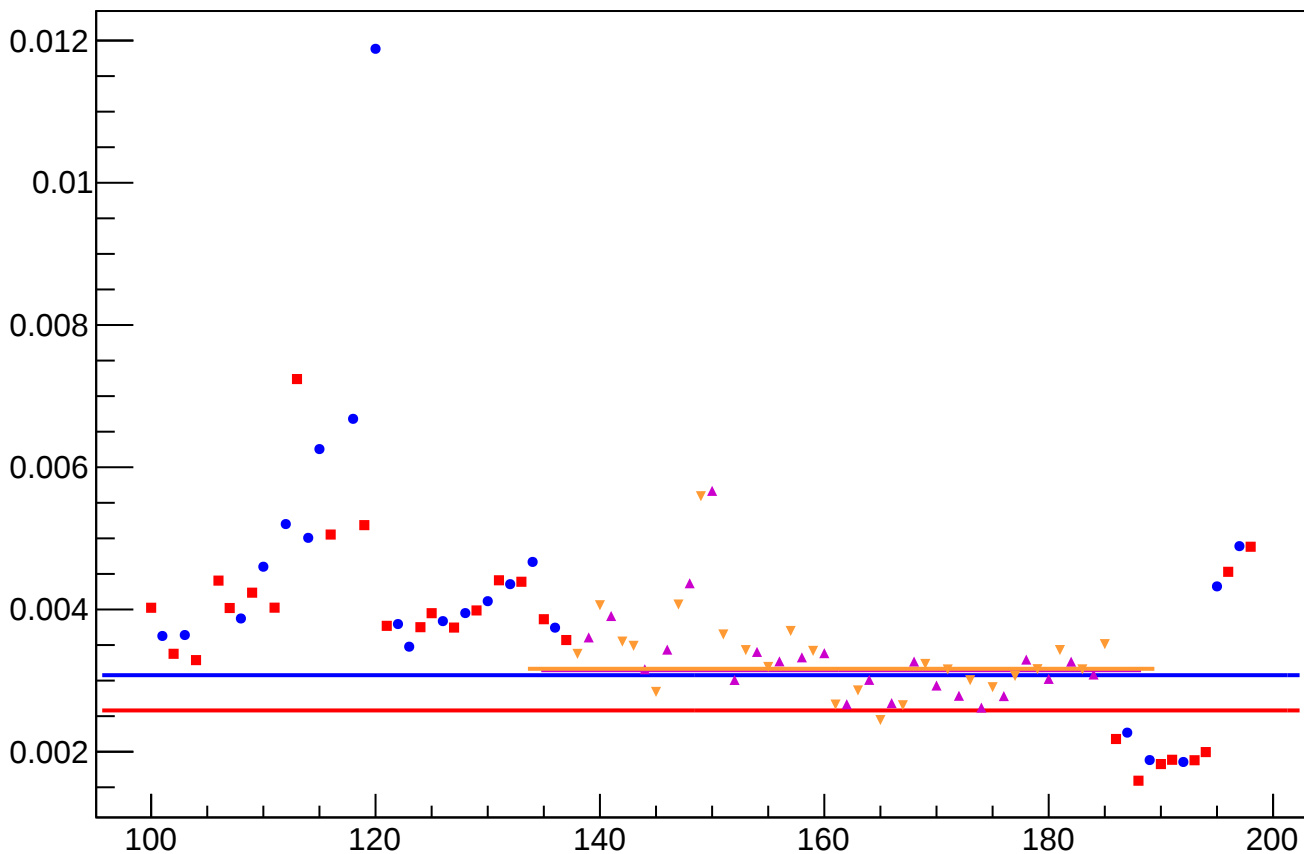
Right: -0.324 ± 0.000 $\chi^2/\text{NDF}: 668770865252.2/48$

In: 0.314 ± 0.000 $\chi^2/\text{NDF}: 593237657759.6/44$

Out: 0.118 ± 0.000 $\chi^2/\text{NDF}: 1129973249596.9/51$

All: 0.205 ± 0.000 $\chi^2/\text{NDF}: 1773886603164.$

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF : 2510919.1/21

Left Out: 0.003+/-0.000 χ^2/NDF : 744886.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 3460227.3/26

Left In: 0.003+/-0.000 χ^2/NDF : 716402.8/22

Left: 0.003+/-0.000 χ^2/NDF : 1461906.1/47

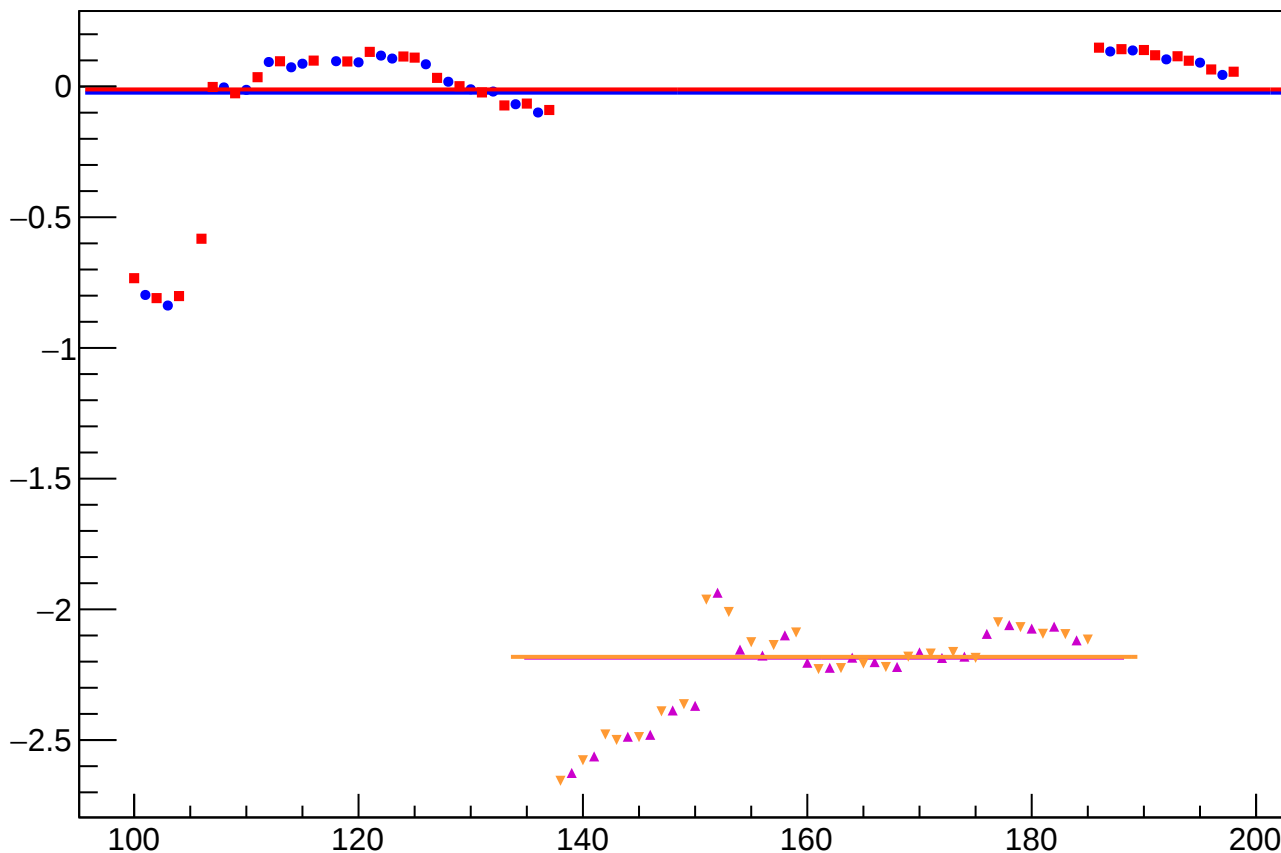
Right: 0.003+/-0.000 χ^2/NDF : 6218298.9/48

In: 0.003+/-0.000 χ^2/NDF : 3232508.4/44

Out: 0.003+/-0.000 χ^2/NDF : 4713644.0/51

All: 0.003+/-0.000 χ^2/NDF : 8079170.5/96

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.023 ± 0.000 $\chi^2/\text{NDF}: 5659327024.7/21$

Left Out: -2.182 ± 0.000 $\chi^2/\text{NDF}: 4008829567.0/24$

Right Out: -0.011 ± 0.000 $\chi^2/\text{NDF}: 6816660618.7/26$

Left In: -2.185 ± 0.000 $\chi^2/\text{NDF}: 3372742534.3/22$

Left: -2.183 ± 0.000 $\chi^2/\text{NDF}: 7382310821.5/47$

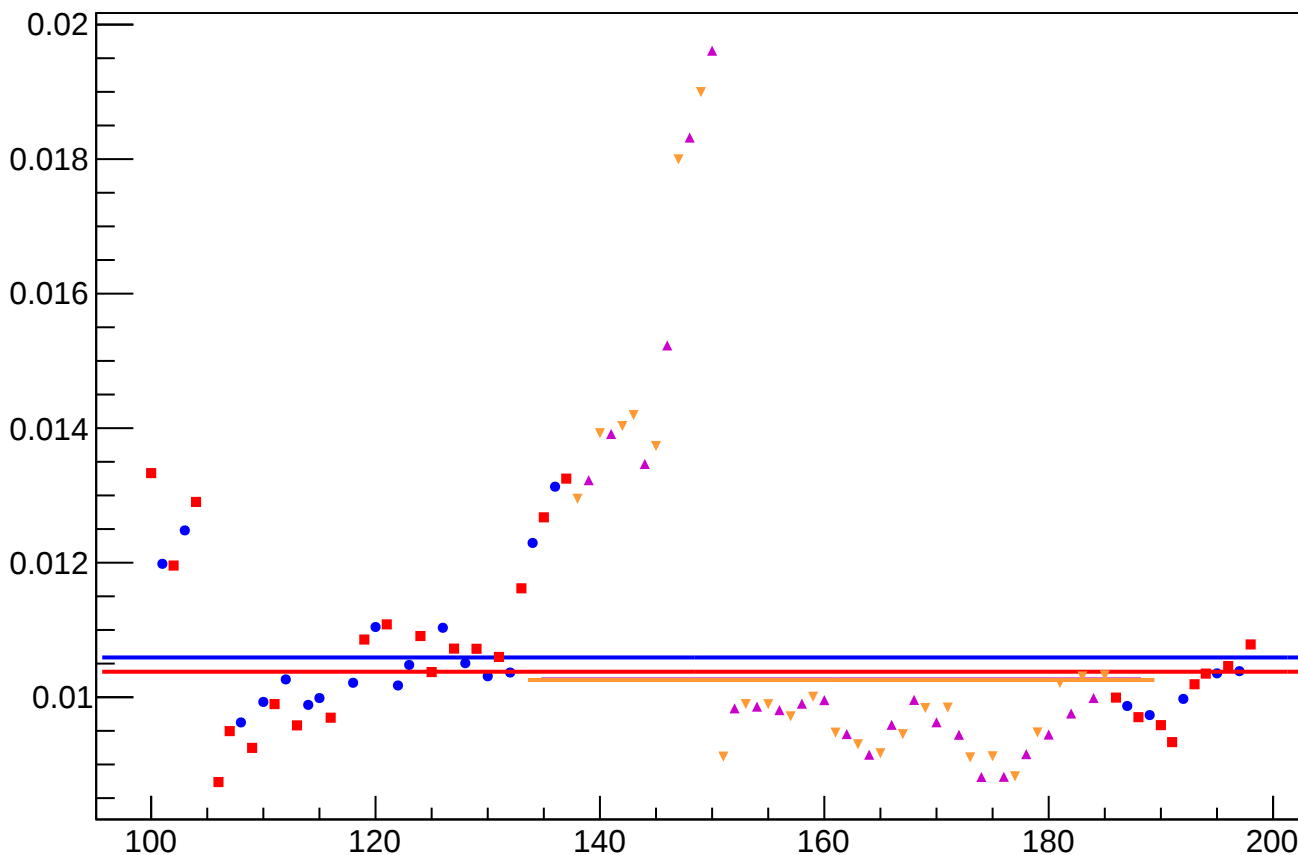
Right: -0.016 ± 0.000 $\chi^2/\text{NDF}: 12483389134.1/48$

In: -1.420 ± 0.000 $\chi^2/\text{NDF}: 269225359529.1/44$

Out: -1.315 ± 0.000 $\chi^2/\text{NDF}: 326391840354.4/51$

All: -1.364 ± 0.000 $\chi^2/\text{NDF}: 597043951413.5$

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 148701.2/21

Left Out: 0.010+/-0.000 χ^2/NDF :1270617.6/24

Right Out: 0.010+/-0.000 χ^2/NDF : 207157.6/26

Left In: 0.010+/-0.000 χ^2/NDF :1340264.2/22

Left: 0.010+/-0.000 χ^2/NDF : 2610893.2/47

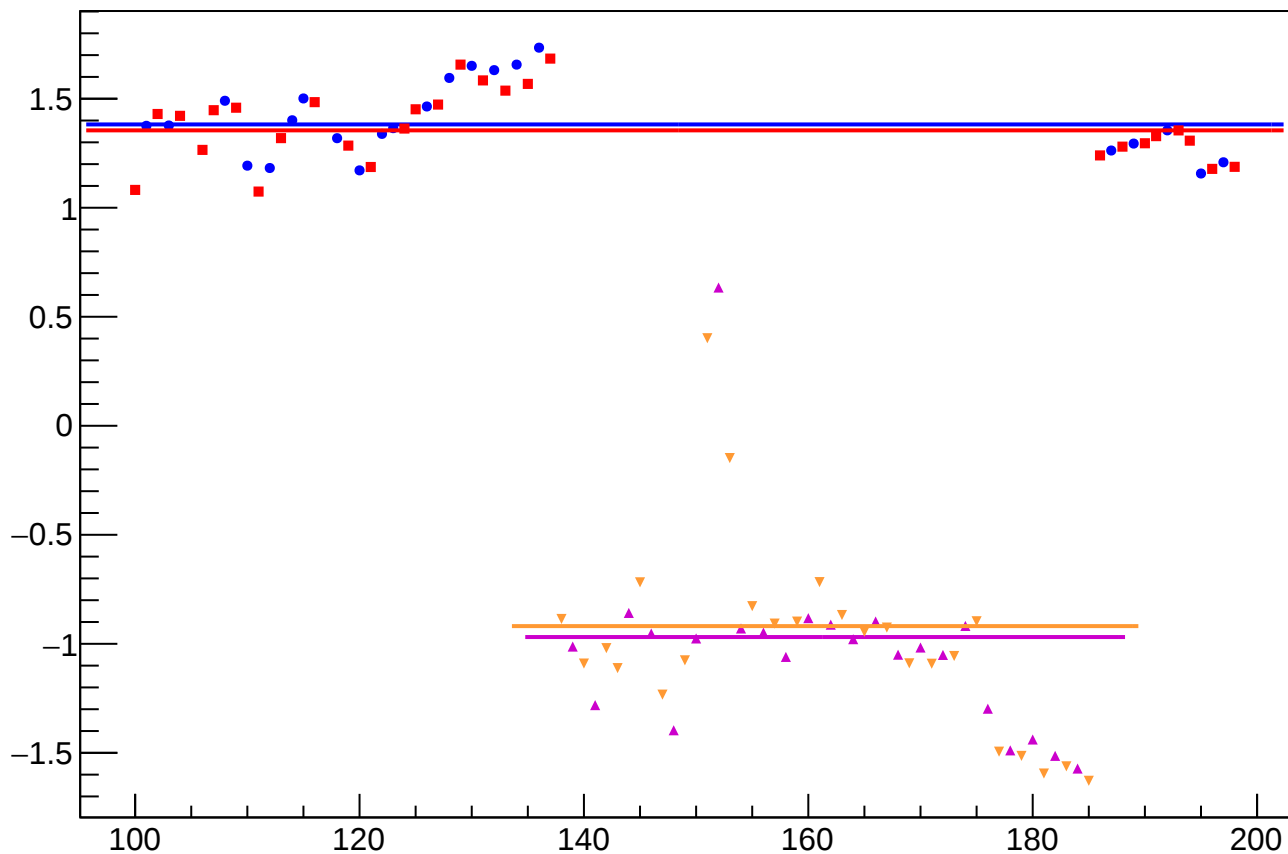
Right: 0.010+/-0.000 χ^2/NDF : 360237.5/48

In: 0.010+/-0.000 χ^2/NDF :1500860.1/44

Out: 0.010+/-0.000 χ^2/NDF :1479798.9/51

All: 0.010+/-0.000 χ^2/NDF : 2982120.1/96

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.382 $\pm$ 0.000 χ^2 /NDF: 5091101717.2/21

Left Out: -0.919 $\pm$ 0.000 χ^2 /NDF: 55622252895.8/24

Right Out: 1.355 $\pm$ 0.000 χ^2 /NDF: 4206190040.0/26

Left In: -0.969 $\pm$ 0.000 χ^2 /NDF: 54895002535.8/22

Left: -0.943 $\pm$ 0.000 χ^2 /NDF: 110825900215.1/47

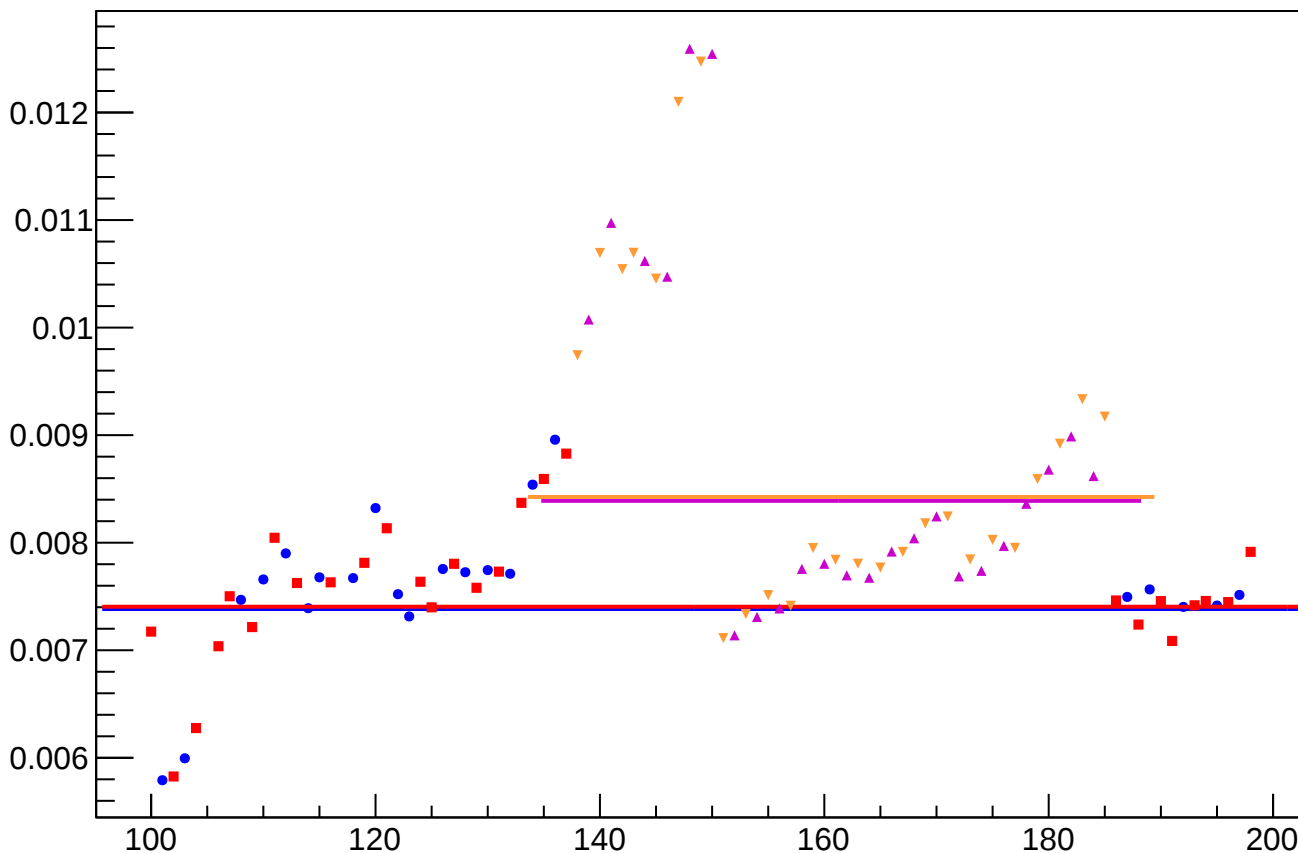
Right: 1.367 $\pm$ 0.000 χ^2 /NDF: 9369677209.5/48

In: 0.028 $\pm$ 0.000 χ^2 /NDF: 621224026493.6/44

Out: 0.138 $\pm$ 0.000 χ^2 /NDF: 665799077113.7/51

All: 0.087 $\pm$ 0.000 χ^2 /NDF: 1289706164378.

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 230052.1/21

Left Out: 0.008+/-0.000 χ^2/NDF : 792337.0/24

Right Out: 0.007+/-0.000 χ^2/NDF : 181694.2/26

Left In: 0.008+/-0.000 χ^2/NDF : 839880.4/22

Left: 0.008+/-0.000 χ^2/NDF : 1632536.0/47

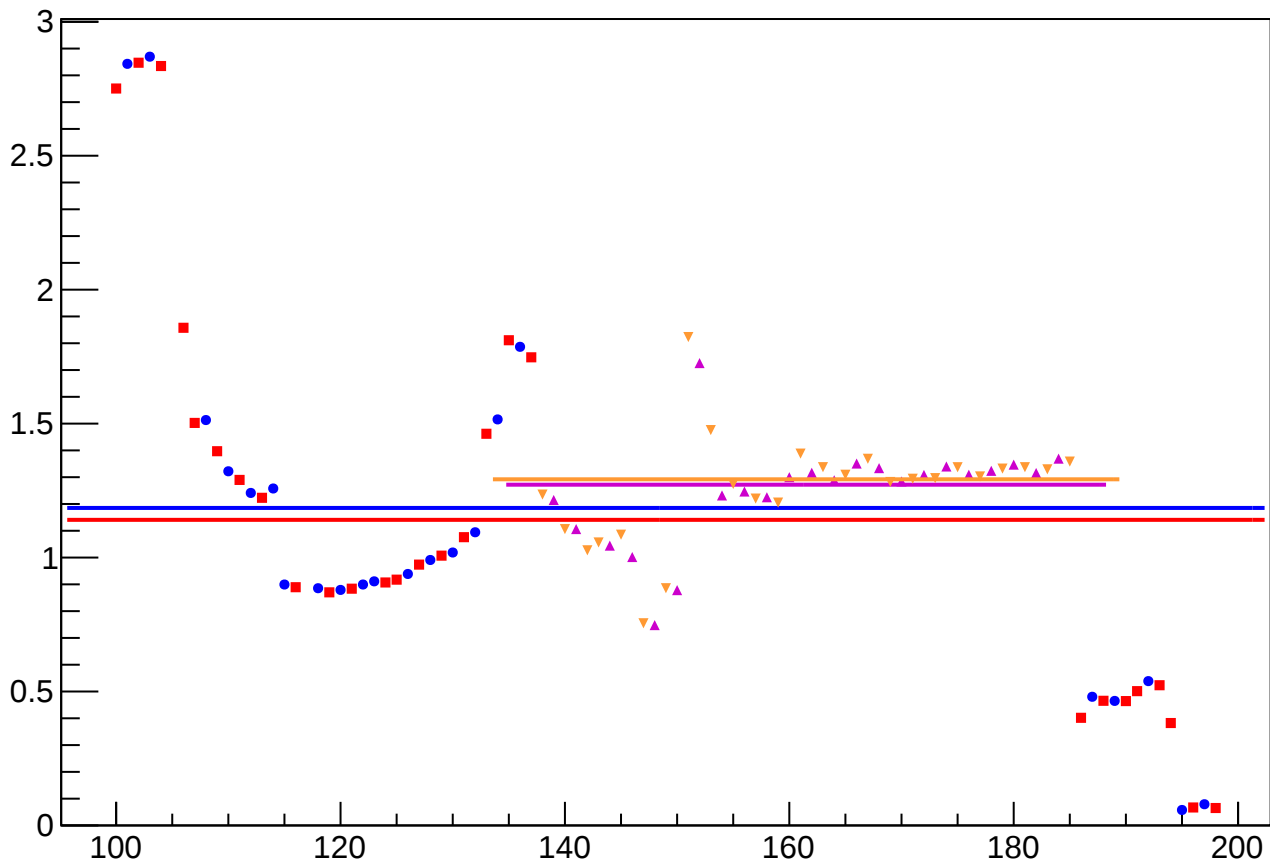
Right: 0.007+/-0.000 χ^2/NDF : 411833.0/48

In: 0.008+/-0.000 χ^2/NDF : 1275446.7/44

Out: 0.008+/-0.000 χ^2/NDF : 1218389.2/51

All: 0.008+/-0.000 χ^2/NDF : 2493899.8/96

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.185 $\pm$ 0.000 χ^2/NDF : 84348067609.4/21

Left Out: 1.292 $\pm$ 0.000 χ^2/NDF : 9305298695.5/24

Right Out: 1.141 $\pm$ 0.000 χ^2/NDF : 91719826337.3/26

Left In: 1.272 $\pm$ 0.000 χ^2/NDF : 7573930981.2/22

Left: 1.282 $\pm$ 0.000 χ^2/NDF : 16930321584.4/47

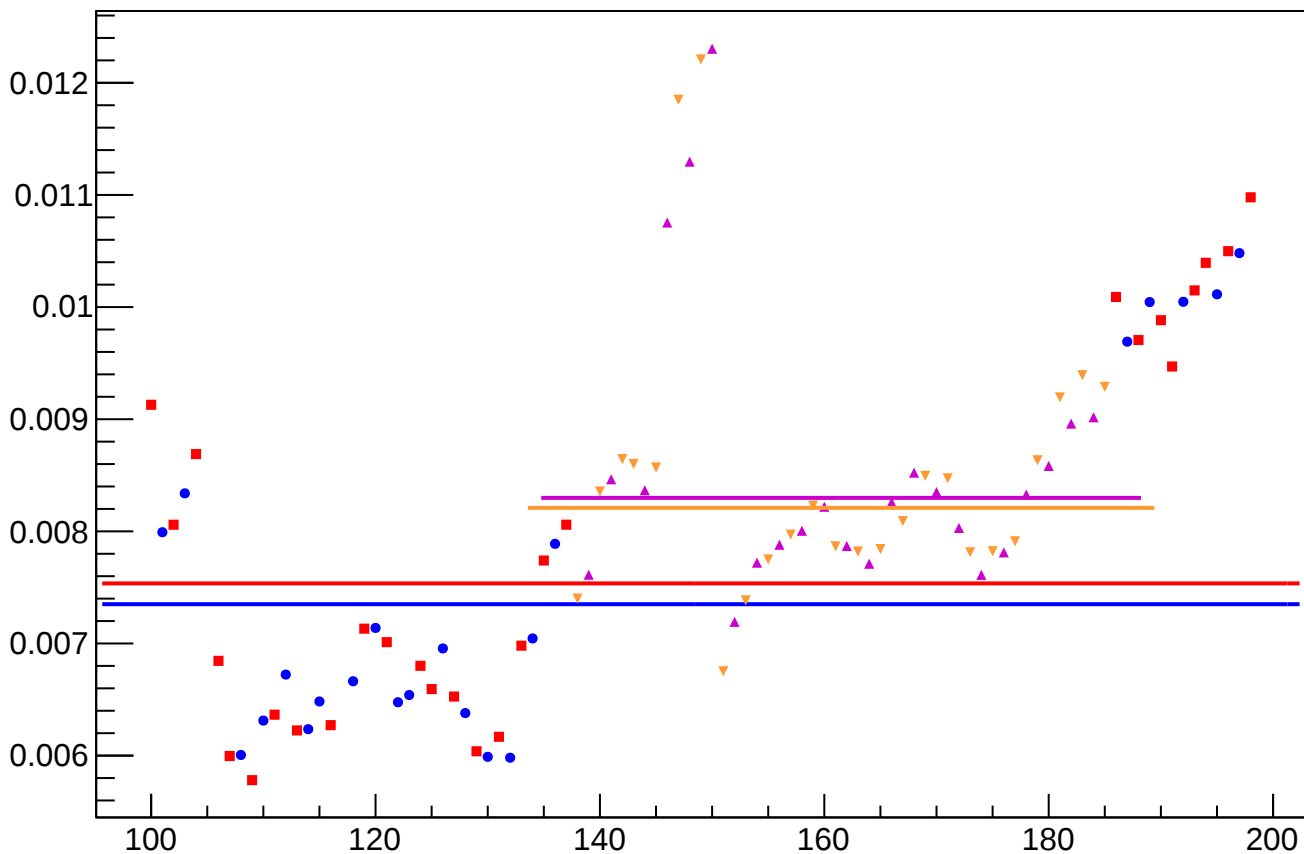
Right: 1.161 $\pm$ 0.000 χ^2/NDF : 176253178382.9/48

In: 1.236 $\pm$ 0.000 χ^2/NDF : 92685126360.5/44

Out: 1.226 $\pm$ 0.000 χ^2/NDF : 103651178822.2/51

All: 1.231 $\pm$ 0.000 χ^2/NDF : 196357452336.0

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 723757.6/21

Left Out: 0.008+/-0.000 χ^2/NDF : 478864.9/24

Right Out: 0.008+/-0.000 χ^2/NDF : 1109870.9/26

Left In: 0.008+/-0.000 χ^2/NDF : 462022.1/22

Left: 0.008+/-0.000 χ^2/NDF : 942877.3/47

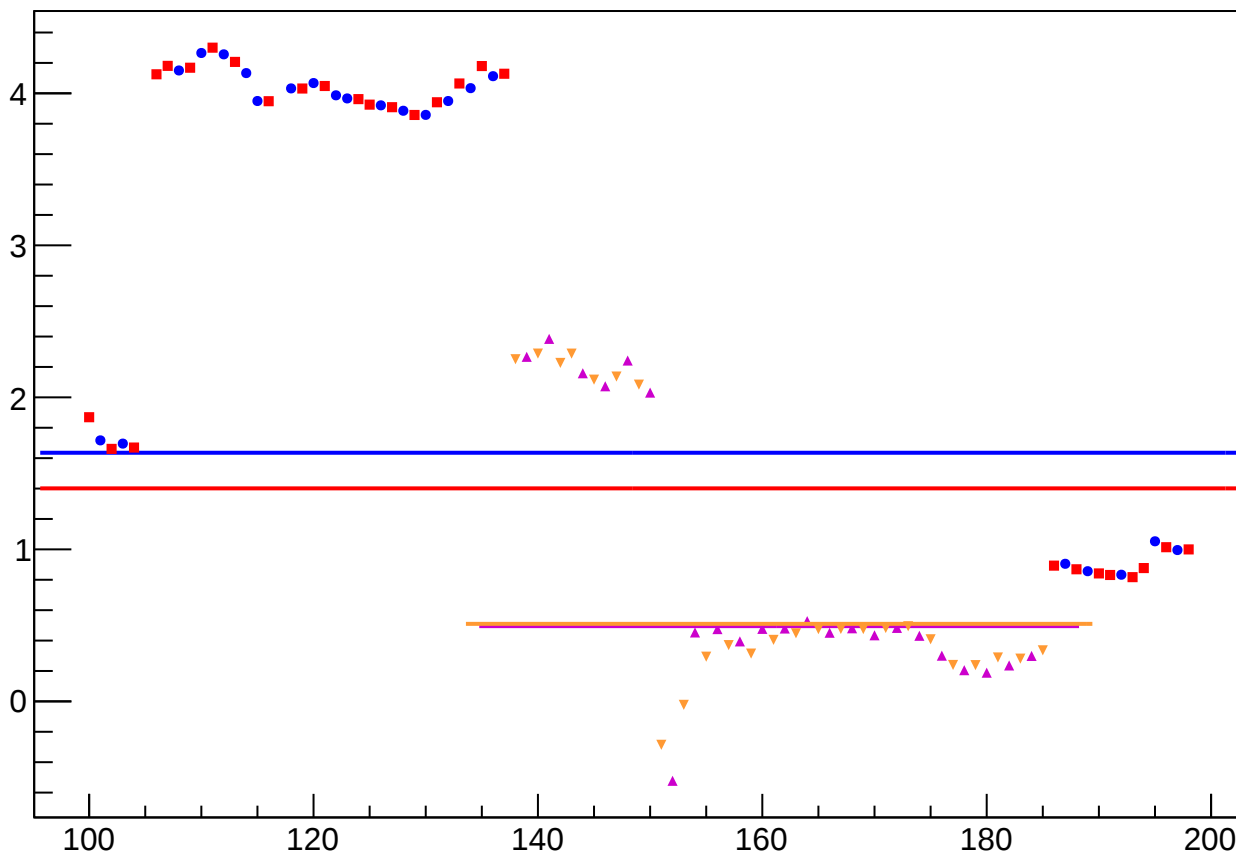
Right: 0.007+/-0.000 χ^2/NDF : 1840075.3/48

In: 0.008+/-0.000 χ^2/NDF : 1368029.8/44

Out: 0.008+/-0.000 χ^2/NDF : 1692868.9/51

All: 0.008+/-0.000 χ^2/NDF : 3060962.0/96

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 1.636 $\pm$ 0.000

χ^2/NDF : 1317118803217.6/21

Left Out: 0.510 $\pm$ 0.000

χ^2/NDF : 274818814912.4/24

Right Out: 1.401 $\pm$ 0.000

χ^2/NDF : 1622722049243.0/26

Left In: 0.495 $\pm$ 0.000

χ^2/NDF : 268863202792.4/22

Left: 0.503 $\pm$ 0.000

χ^2/NDF : 543767842878.3/47

Right: 1.493 $\pm$ 0.000

χ^2/NDF : 2967087014197.3/48

In: 1.087 $\pm$ 0.000

χ^2/NDF : 2097713678776.9/44

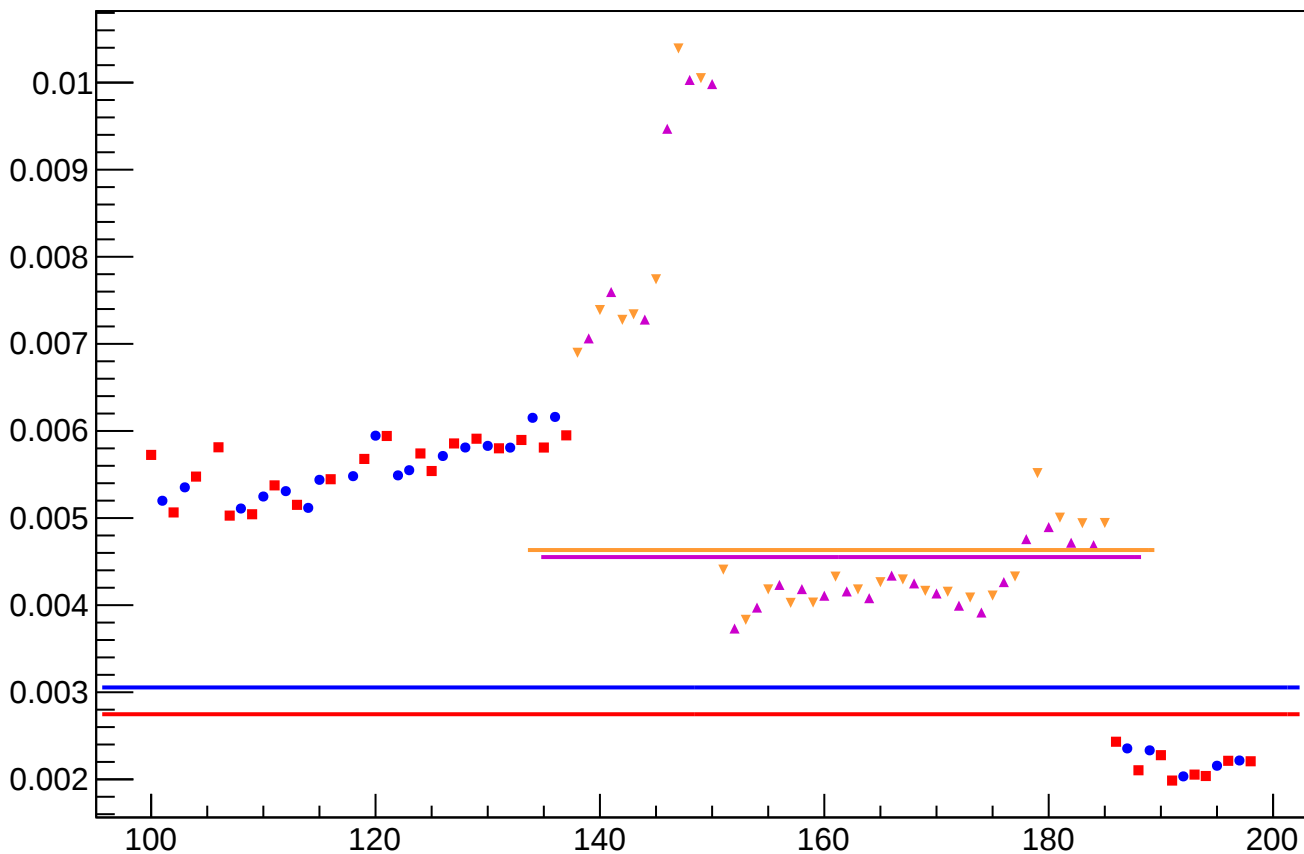
Out: 1.061 $\pm$ 0.000

χ^2/NDF : 2279255457512.6/51

All: 1.073 $\pm$ 0.000

χ^2/NDF : 4377551200928.3/100

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF : 3737807.9/21

Left Out: 0.005+/-0.000 χ^2/NDF : 2114007.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 4330361.2/26

Left In: 0.005+/-0.000 χ^2/NDF : 2237666.9/22

Left: 0.005+/-0.000 χ^2/NDF : 4356682.7/47

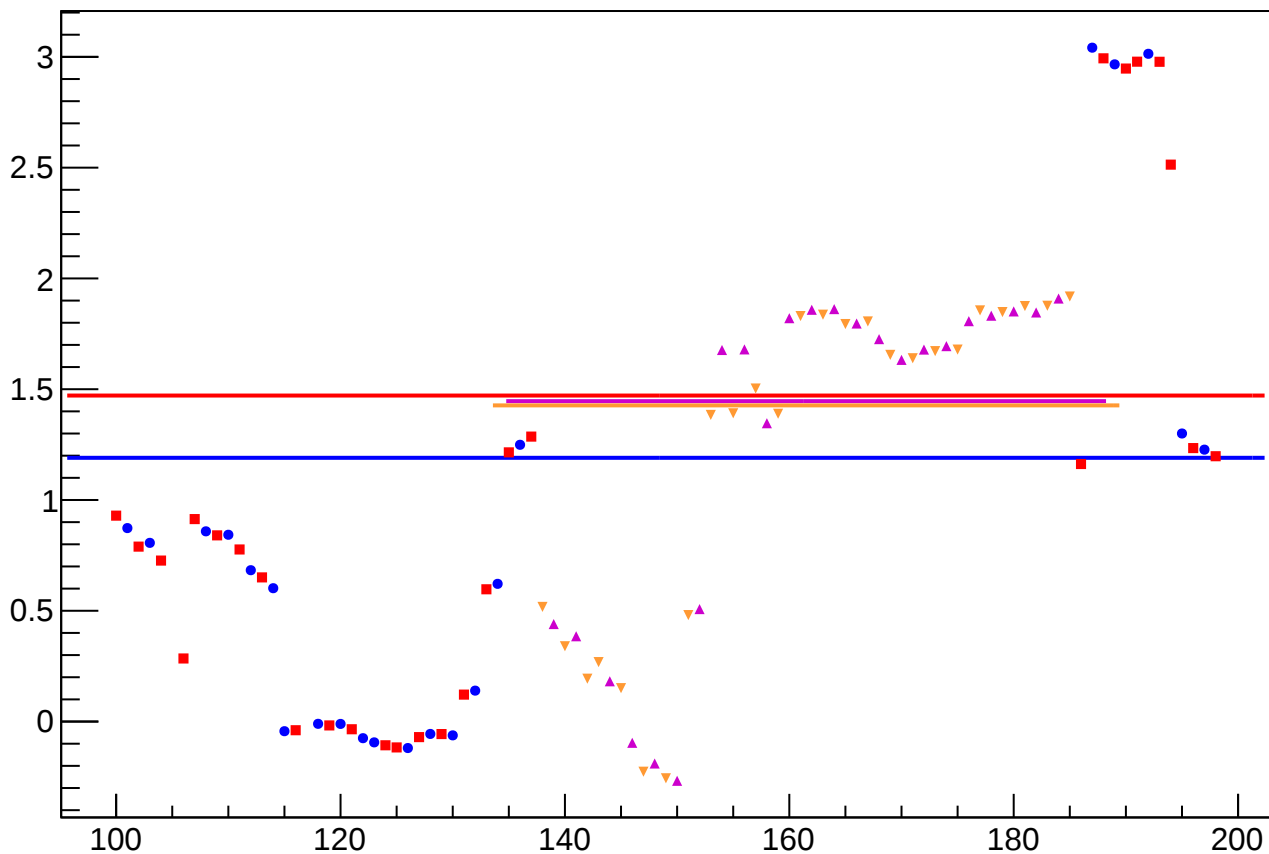
Right: 0.003+/-0.000 χ^2/NDF : 8162092.4/48

In: 0.004+/-0.000 χ^2/NDF : 7738266.3/44

Out: 0.003+/-0.000 χ^2/NDF : 9860661.8/51

All: 0.004+/-0.000 χ^2/NDF : 17768417.3/96

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 1.190 $\pm$ 0.000

χ^2 /NDF: 72596848191.6/21

Left: 1.436 $\pm$ 0.000

χ^2 /NDF: 103768857952.7/47

Left Out: 1.427 $\pm$ 0.000

χ^2 /NDF: 49990787038.3/24

Right: 1.351 $\pm$ 0.000

χ^2 /NDF: 173207637971.4/48

Right Out: 1.471 $\pm$ 0.000

χ^2 /NDF: 98093493316.6/26

In: 1.372 $\pm$ 0.000

χ^2 /NDF: 128948651951.4/44

Out: 1.442 $\pm$ 0.000

χ^2 /NDF: 148180447394.2/51

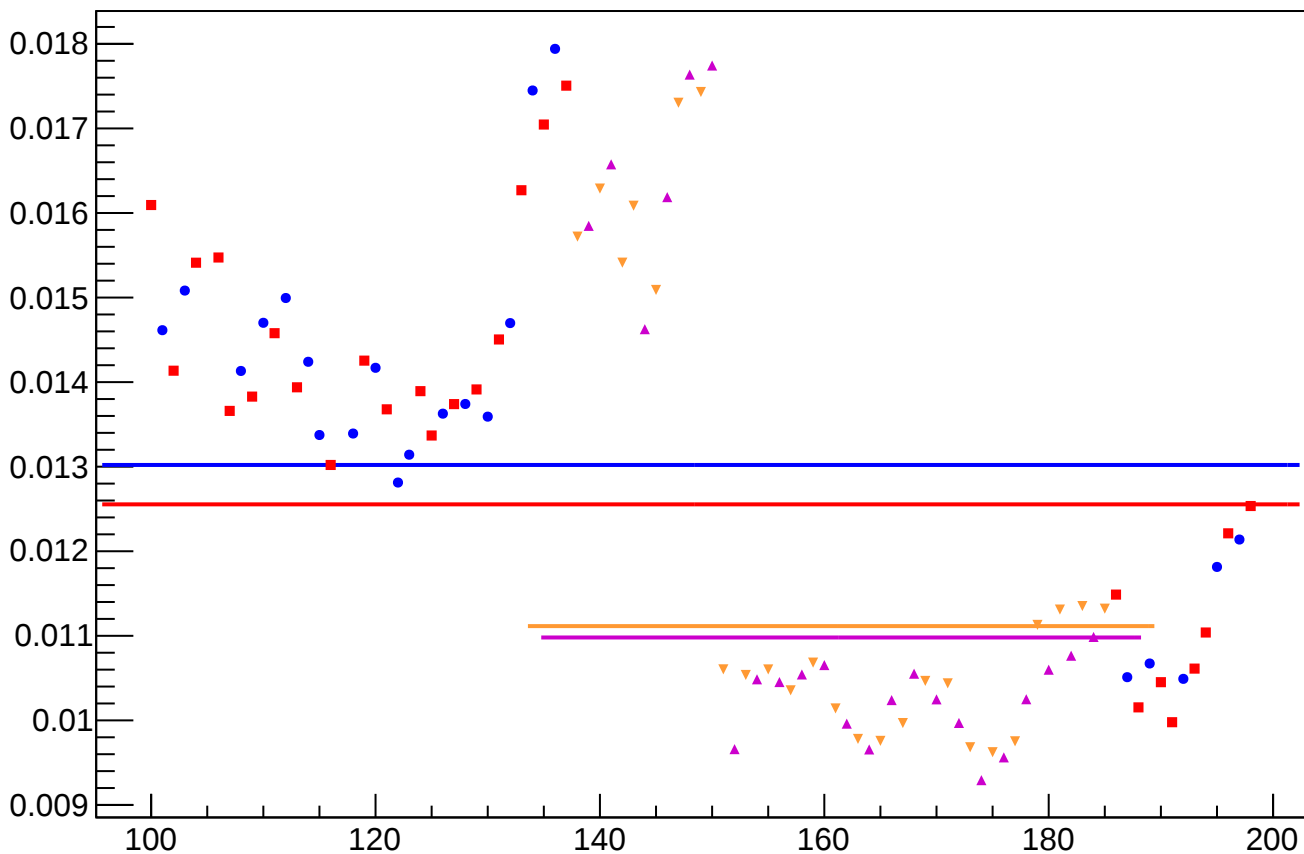
Left In: 1.446 $\pm$ 0.000

χ^2 /NDF: 53752493130.3/22

All: 1.409 $\pm$ 0.000

χ^2 /NDF: 277630553208.6

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF : 428923.0/21

Left Out: 0.011+/-0.000 χ^2/NDF :1227493.2/24

Right Out: 0.013+/-0.000 χ^2/NDF : 548131.0/26

Left In: 0.011+/-0.000 χ^2/NDF :1264827.0/22

Left: 0.011+/-0.000 χ^2/NDF : 2494847.1/47

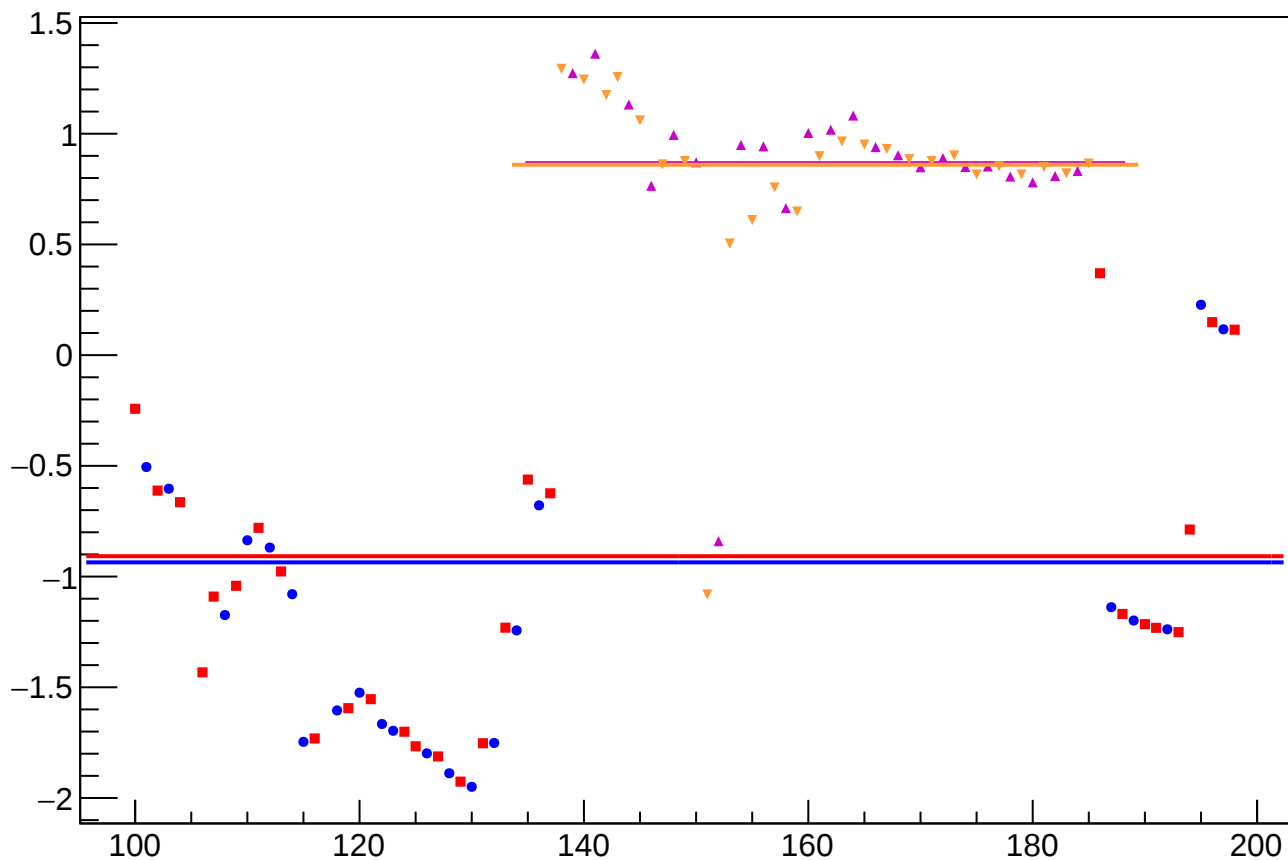
Right: 0.013+/-0.000 χ^2/NDF : 990892.0/48

In: 0.012+/-0.000 χ^2/NDF :2024635.8/44

Out: 0.012+/-0.000 χ^2/NDF :1977611.0/51

All: 0.012+/-0.000 χ^2/NDF : 4002532.1/96

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -0.936 ± 0.000 $\chi^2/\text{NDF}: 106179876271.1/21$

Left Out: 0.860 ± 0.000 $\chi^2/\text{NDF}: 126335891175.4/24$

Right Out: -0.908 ± 0.000 $\chi^2/\text{NDF}: 107013994586.2/26$

Left In: 0.867 ± 0.000 $\chi^2/\text{NDF}: 147039402944.6/22$

Left: 0.863 ± 0.000 $\chi^2/\text{NDF}: 273407894621.9/47$

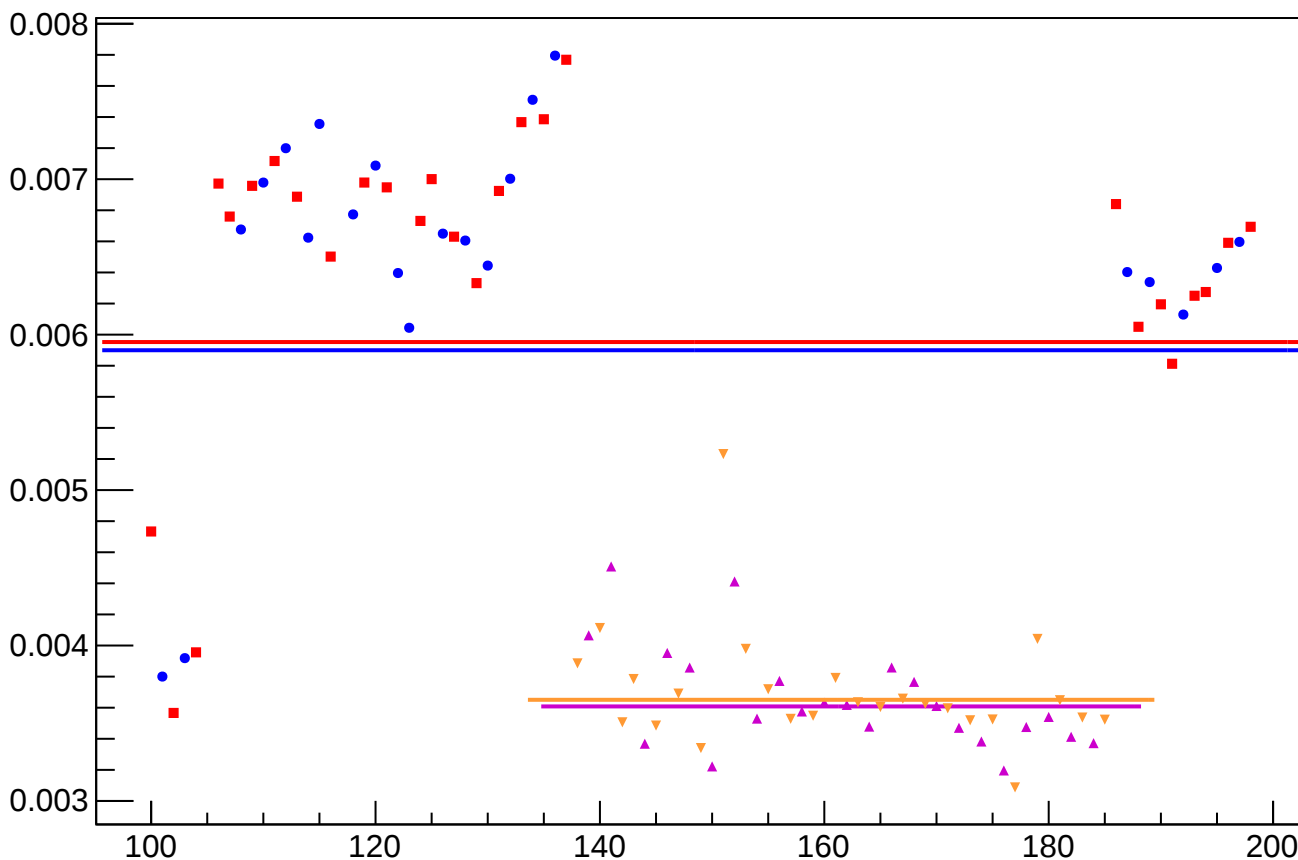
Right: -0.921 ± 0.000 $\chi^2/\text{NDF}: 213301836330.4/48$

In: 0.554 ± 0.000 $\chi^2/\text{NDF}: 935241158407.5/44$

Out: 0.510 ± 0.000 $\chi^2/\text{NDF}: 1009462080167.5/51$

All: 0.531 ± 0.000 $\chi^2/\text{NDF}: 1946176004717.0$

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 884699.8/21

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:237262.6/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 998137.0/26

Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:227861.4/22

Left: 0.004 $\pm$ 0.000 χ^2 /NDF: 467360.2/47

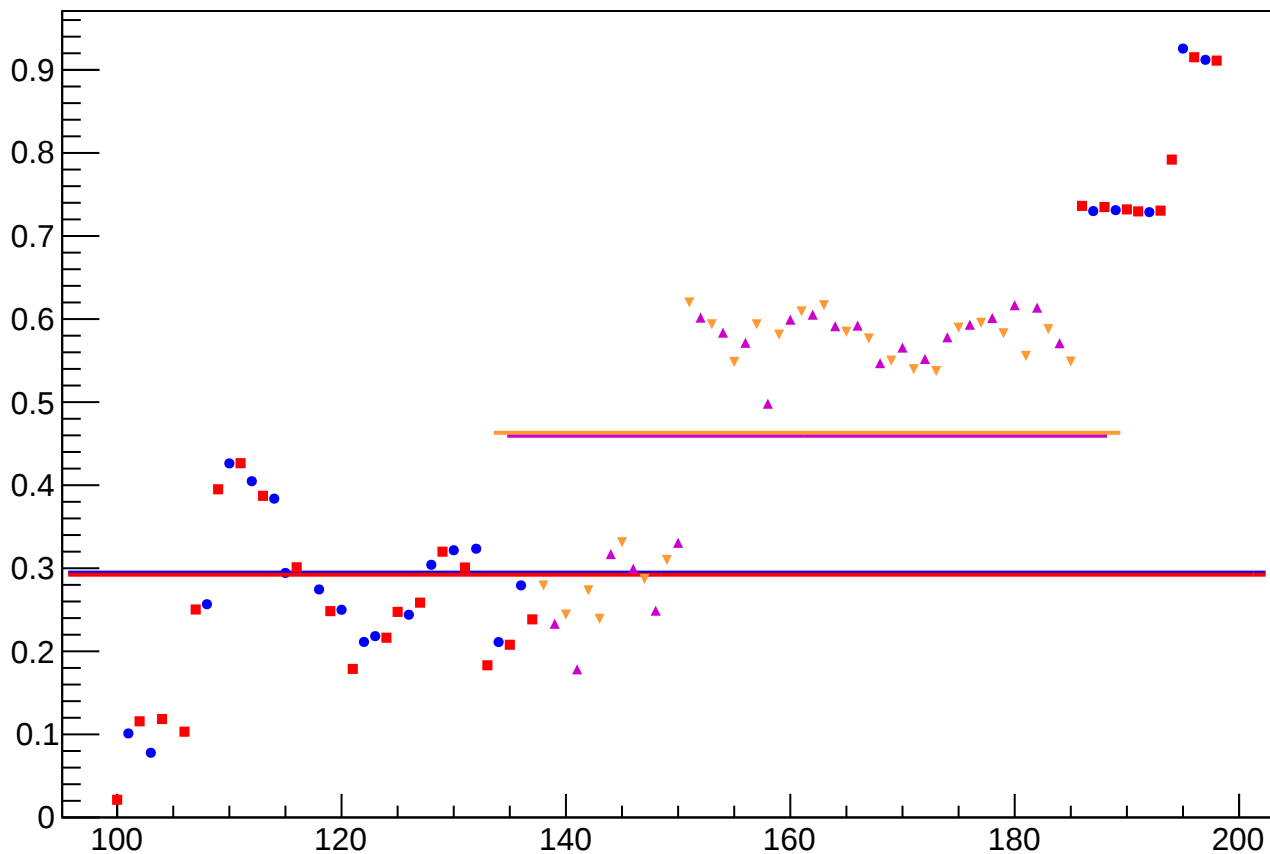
Right: 0.006 $\pm$ 0.000 χ^2 /NDF: 1883613.8/48

In: 0.004 $\pm$ 0.000 χ^2 /NDF:3315641.7/44

Out: 0.004 $\pm$ 0.000 χ^2 /NDF:3866036.6/51

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 7196889.2/96

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.295+/-0.000

χ^2/NDF : 76890536080.9/21

Left: 0.461+/-0.000

χ^2/NDF : 207093695005.5/47

Left Out: 0.463+/-0.000

χ^2/NDF : 102506270538.7/24

Right: 0.293+/-0.000

χ^2/NDF : 187657198769.1/48

Right Out: 0.292+/-0.000

χ^2/NDF : 110758132062.3/26

In: 0.396+/-0.000

χ^2/NDF : 225267490304.7/44

Out: 0.396+/-0.000

χ^2/NDF : 266401842457.8/51

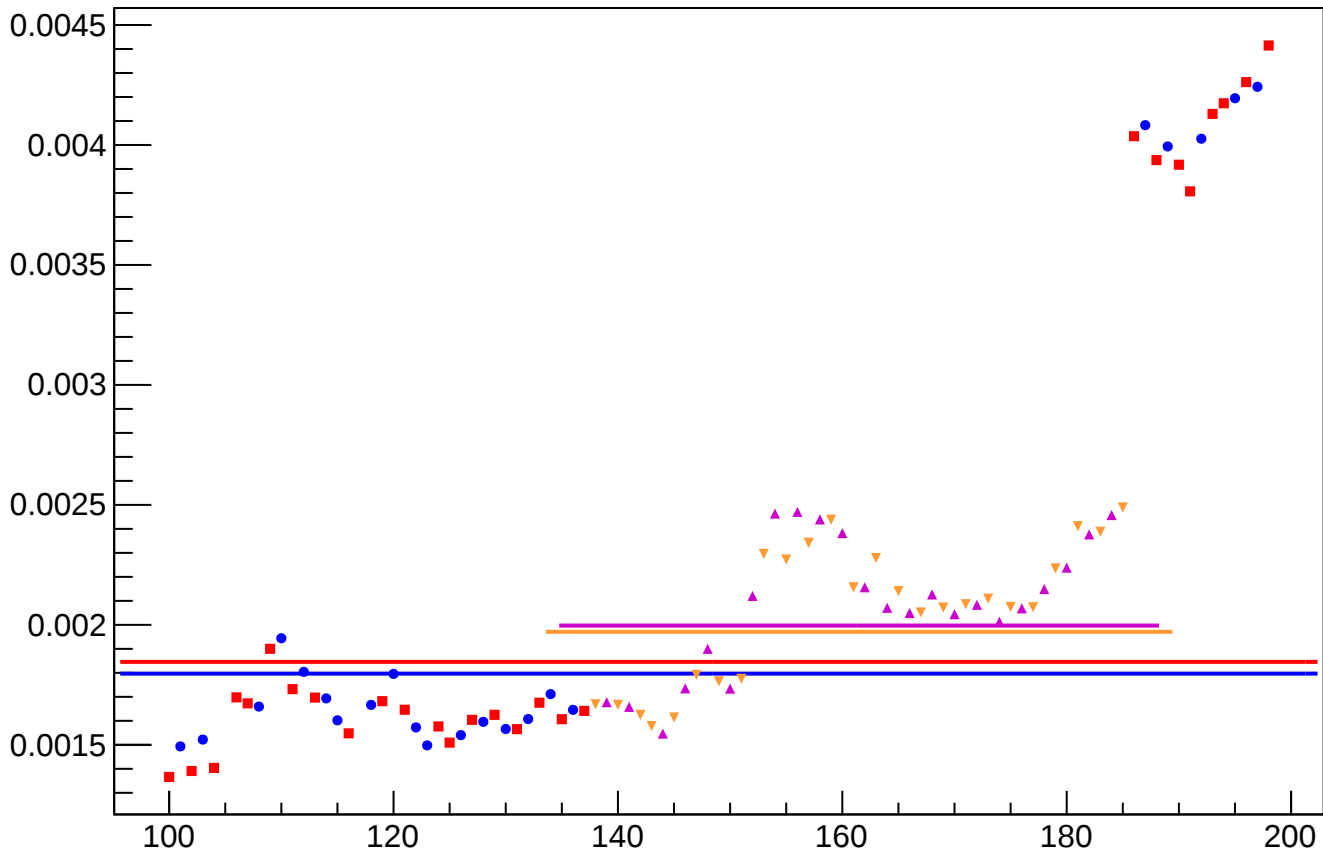
Left In: 0.460+/-0.000

χ^2/NDF : 104559088628.4/22

All: 0.396+/-0.000

χ^2/NDF : 491671740758.1

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 2152985.1/21

Left Out: 0.002+/-0.000 χ^2/NDF : 730203.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 3499001.3/26

Left In: 0.002+/-0.000 χ^2/NDF : 666404.2/22

Left: 0.002+/-0.000 χ^2/NDF : 1399578.1/47

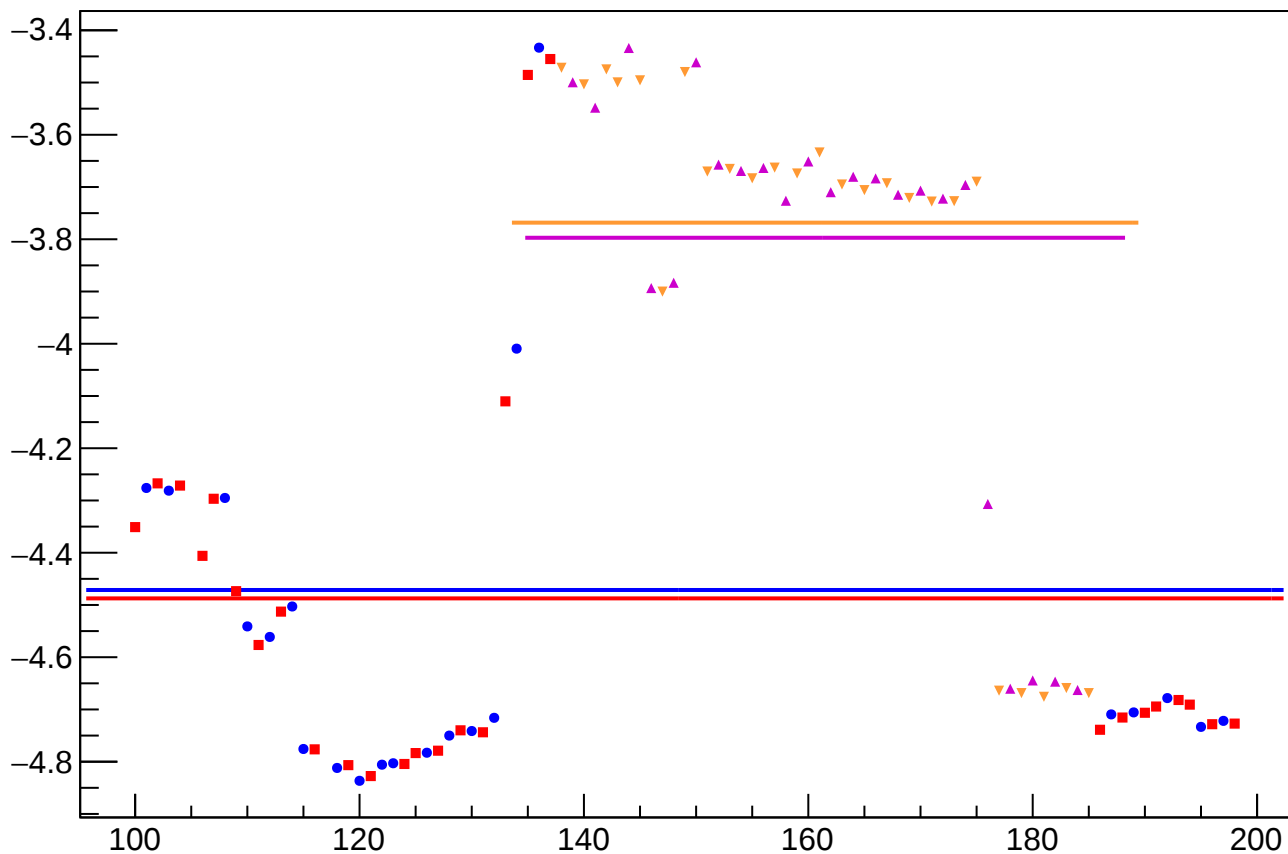
Right: 0.002+/-0.000 χ^2/NDF : 5658692.7/48

In: 0.002+/-0.000 χ^2/NDF : 2948790.9/44

Out: 0.002+/-0.000 χ^2/NDF : 4286384.0/51

All: 0.002+/-0.000 χ^2/NDF : 7235185.5/96

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.471+/-0.000 χ^2/NDF : 411678094049.1/21

Left Out: -3.768+/-0.000 χ^2/NDF : 516780173940.8/24

Right Out: -4.487+/-0.000 χ^2/NDF : 355139977345.0/26

Left In: -3.797+/-0.000 χ^2/NDF : 444886272608.9/22

Left: -3.782+/-0.000 χ^2/NDF : 963205684454.6/47

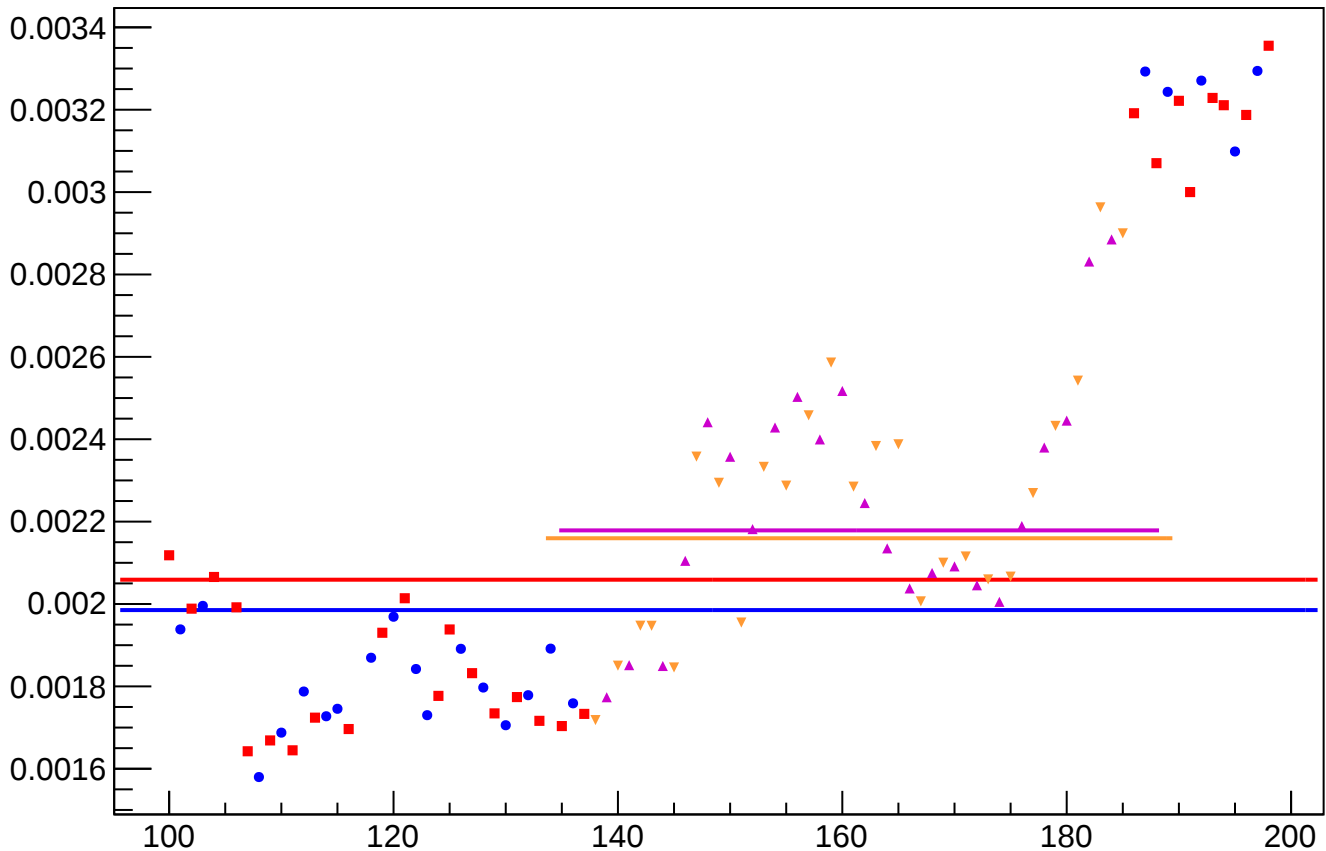
Right: -4.480+/-0.000 χ^2/NDF : 767133523121.1/48

In: -4.061+/-0.000 χ^2/NDF : 1488397046805.8/44

Out: -4.061+/-0.000 χ^2/NDF : 1673759796081.2/51

All: -4.061+/-0.000 χ^2/NDF : 3162157655916

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 1076074.6/21

Left Out: 0.002+/-0.000 χ^2/NDF :547831.5/24

Right Out: 0.002+/-0.000 χ^2/NDF : 1638019.8/26

Left In: 0.002+/-0.000 χ^2/NDF :463279.7/22

Left: 0.002+/-0.000 χ^2/NDF : 1012449.5/47

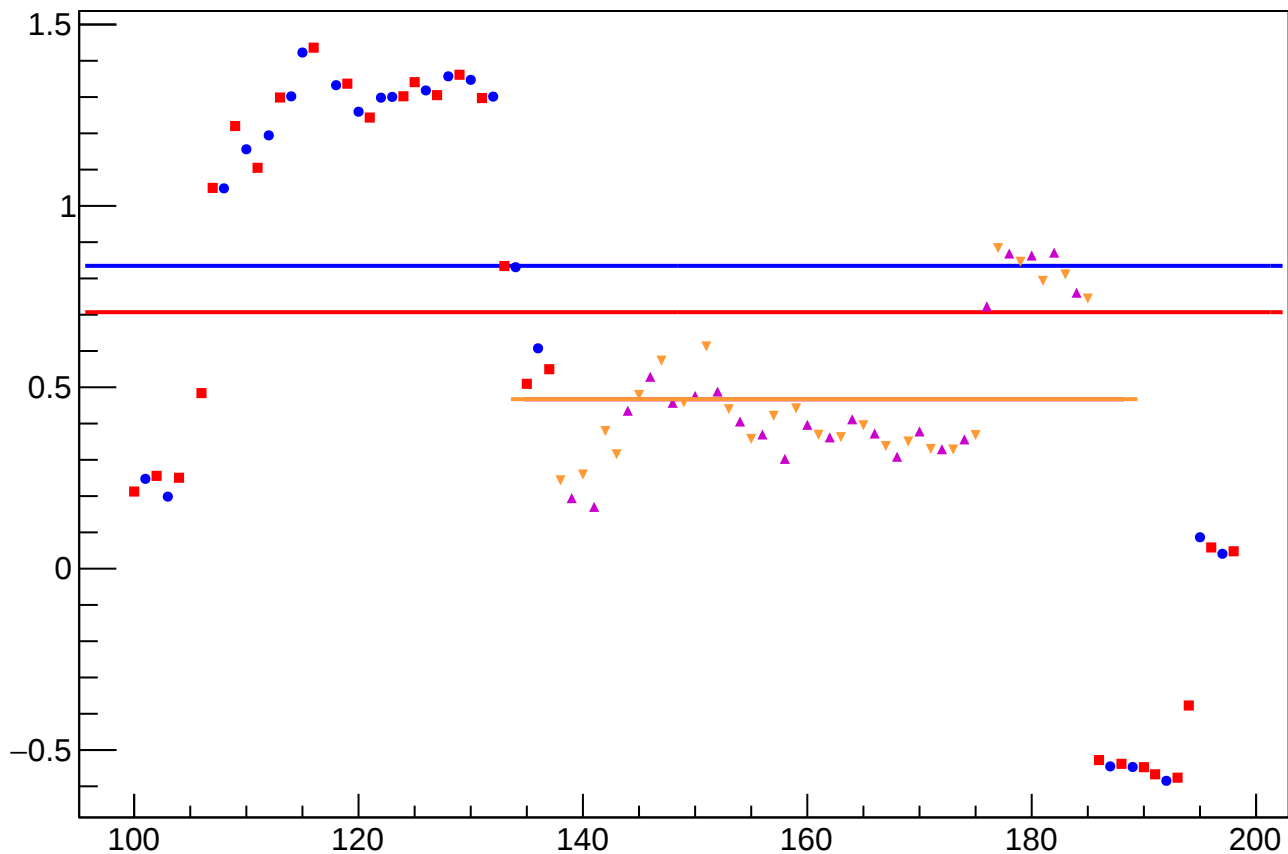
Right: 0.002+/-0.000 χ^2/NDF : 2727349.7/48

In: 0.002+/-0.000 χ^2/NDF :1643416.6/44

Out: 0.002+/-0.000 χ^2/NDF :2217257.5/51

All: 0.002+/-0.000 χ^2/NDF : 3862192.9/96

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.835 ± 0.000 $\chi^2/\text{NDF}: 60367032445.5/21$

Left Out: 0.467 ± 0.000 $\chi^2/\text{NDF}: 7359344143.3/24$

Right Out: 0.707 ± 0.000 $\chi^2/\text{NDF}: 87910855625.9/26$

Left In: 0.467 ± 0.000 $\chi^2/\text{NDF}: 8036741308.0/22$

Left: 0.467 ± 0.000 $\chi^2/\text{NDF}: 15396100488.4/47$

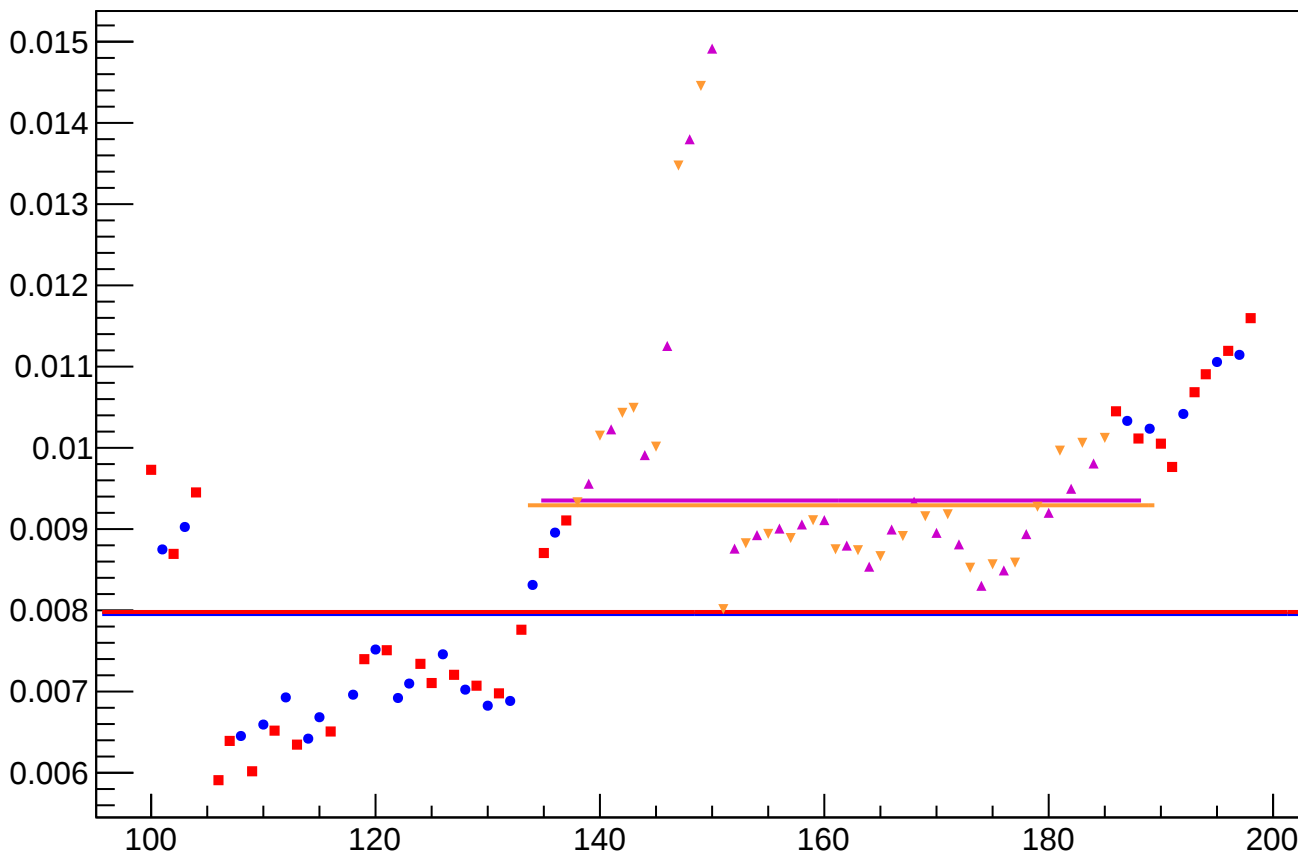
Right: 0.765 ± 0.000 $\chi^2/\text{NDF}: 149612192807.2/48$

In: 0.626 ± 0.000 $\chi^2/\text{NDF}: 79809088841.1/44$

Out: 0.579 ± 0.000 $\chi^2/\text{NDF}: 100853255847.1/51$

All: 0.601 ± 0.000 $\chi^2/\text{NDF}: 181078763998.6$

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 682314.4/21

Left Out: 0.009+/-0.000 χ^2/NDF :528279.5/24

Right Out: 0.008+/-0.000 χ^2/NDF : 1134981.8/26

Left In: 0.009+/-0.000 χ^2/NDF :557555.2/22

Left: 0.009+/-0.000 χ^2/NDF : 1086539.3/47

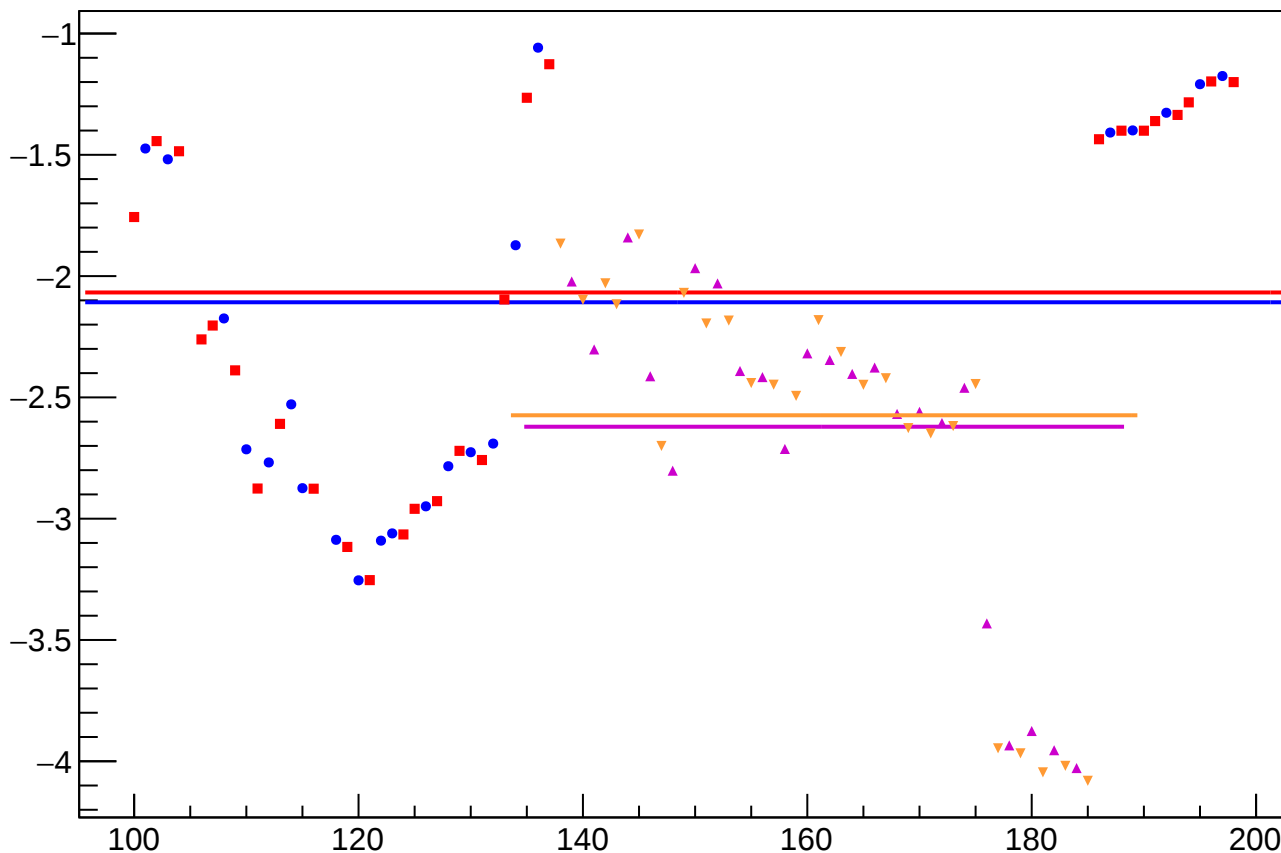
Right: 0.008+/-0.000 χ^2/NDF : 1817404.8/48

In: 0.009+/-0.000 χ^2/NDF :1569203.8/44

Out: 0.009+/-0.000 χ^2/NDF :1998126.0/51

All: 0.009+/-0.000 χ^2/NDF : 3568781.4/96

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.108+/-0.000 χ^2/NDF : 102199000762.6/21

Left Out: -2.574+/-0.000 χ^2/NDF : 99176112704.9/24

Right Out: -2.067+/-0.000 χ^2/NDF : 106501598536.0/26

Left In: -2.621+/-0.000 χ^2/NDF : 80862402796.4/22

Left: -2.597+/-0.000 χ^2/NDF : 180296288698.4/47

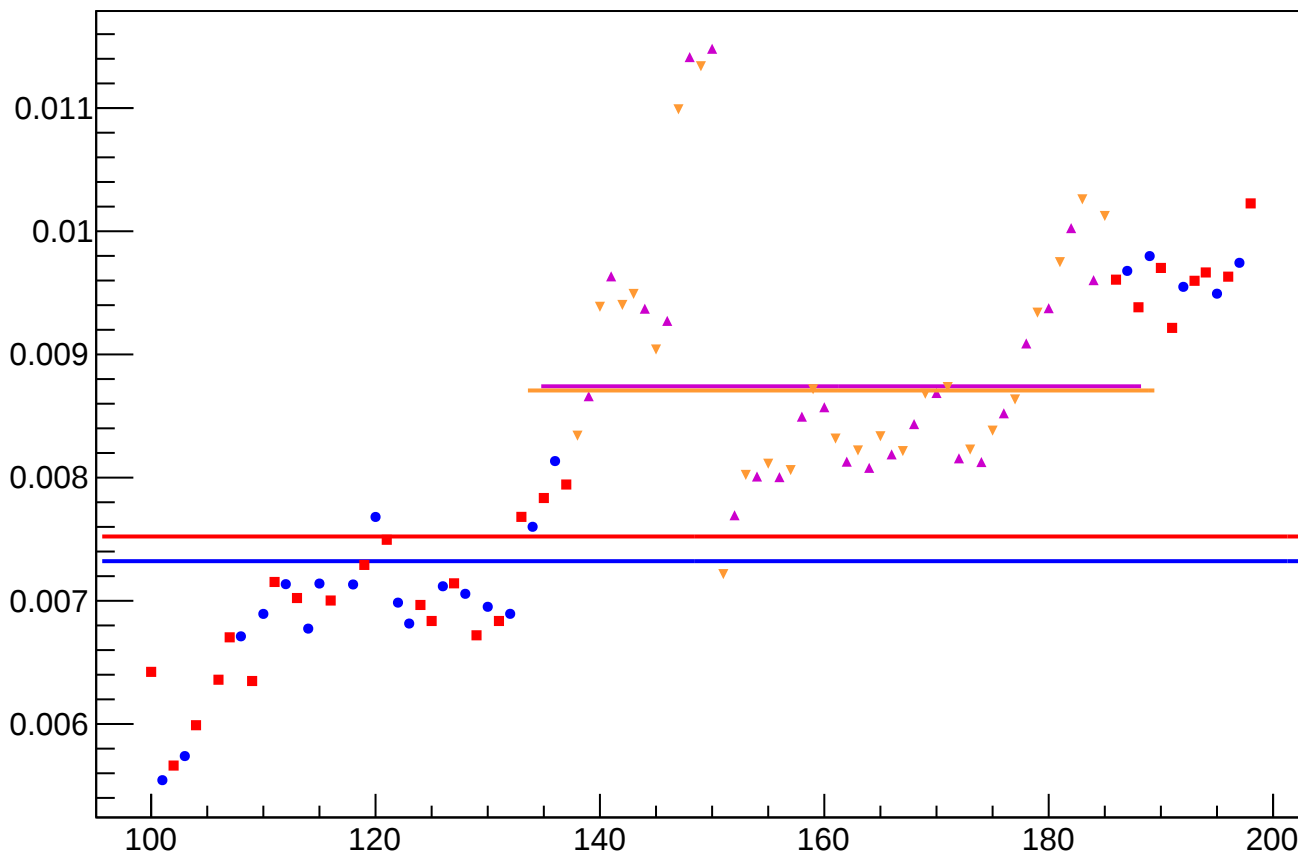
Right: -2.086+/-0.000 χ^2/NDF : 208856672472.1/48

In: -2.395+/-0.000 χ^2/NDF : 209064882847.8/44

Out: -2.339+/-0.000 χ^2/NDF : 234173389530.5/51

All: -2.365+/-0.000 χ^2/NDF : 443902854044.8

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 598024.1/21

Left Out: 0.009+/-0.000 χ^2/NDF :369376.5/24

Right Out: 0.008+/-0.000 χ^2/NDF : 793219.3/26

Left In: 0.009+/-0.000 χ^2/NDF :353750.0/22

Left: 0.009+/-0.000 χ^2/NDF : 723390.7/47

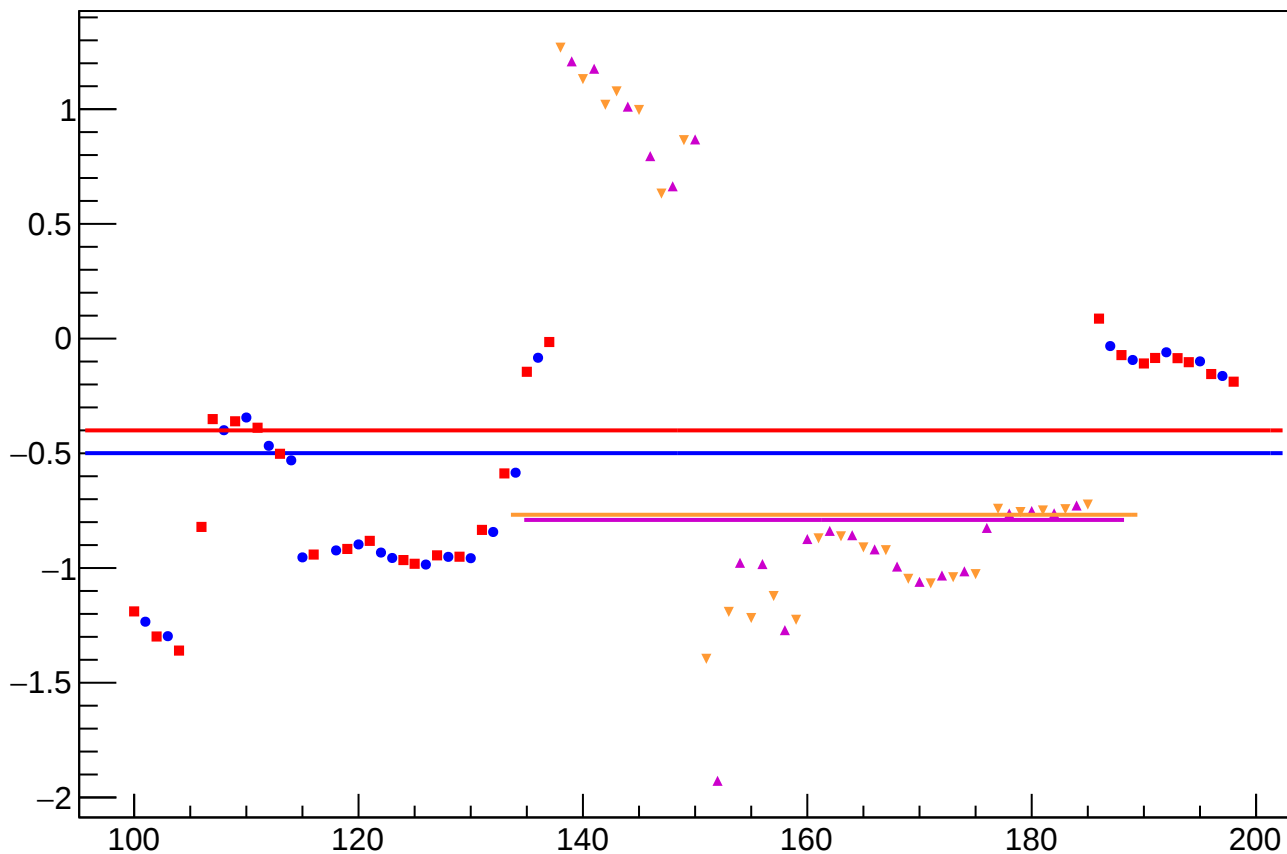
Right: 0.007+/-0.000 χ^2/NDF : 1398901.8/48

In: 0.008+/-0.000 χ^2/NDF :1349830.6/44

Out: 0.008+/-0.000 χ^2/NDF :1474903.6/51

All: 0.008+/-0.000 χ^2/NDF : 2825466.1/96

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.499+/-0.000 χ^2 /NDF: 20453792442.4/21

Left Out: -0.768+/-0.000 χ^2 /NDF: 120774855982.9/24

Right Out: -0.400+/-0.000 χ^2 /NDF: 24556969916.0/26

Left In: -0.790+/-0.000 χ^2 /NDF: 123452478408.2/22

Left: -0.779+/-0.000 χ^2 /NDF: 244297726249.8/47

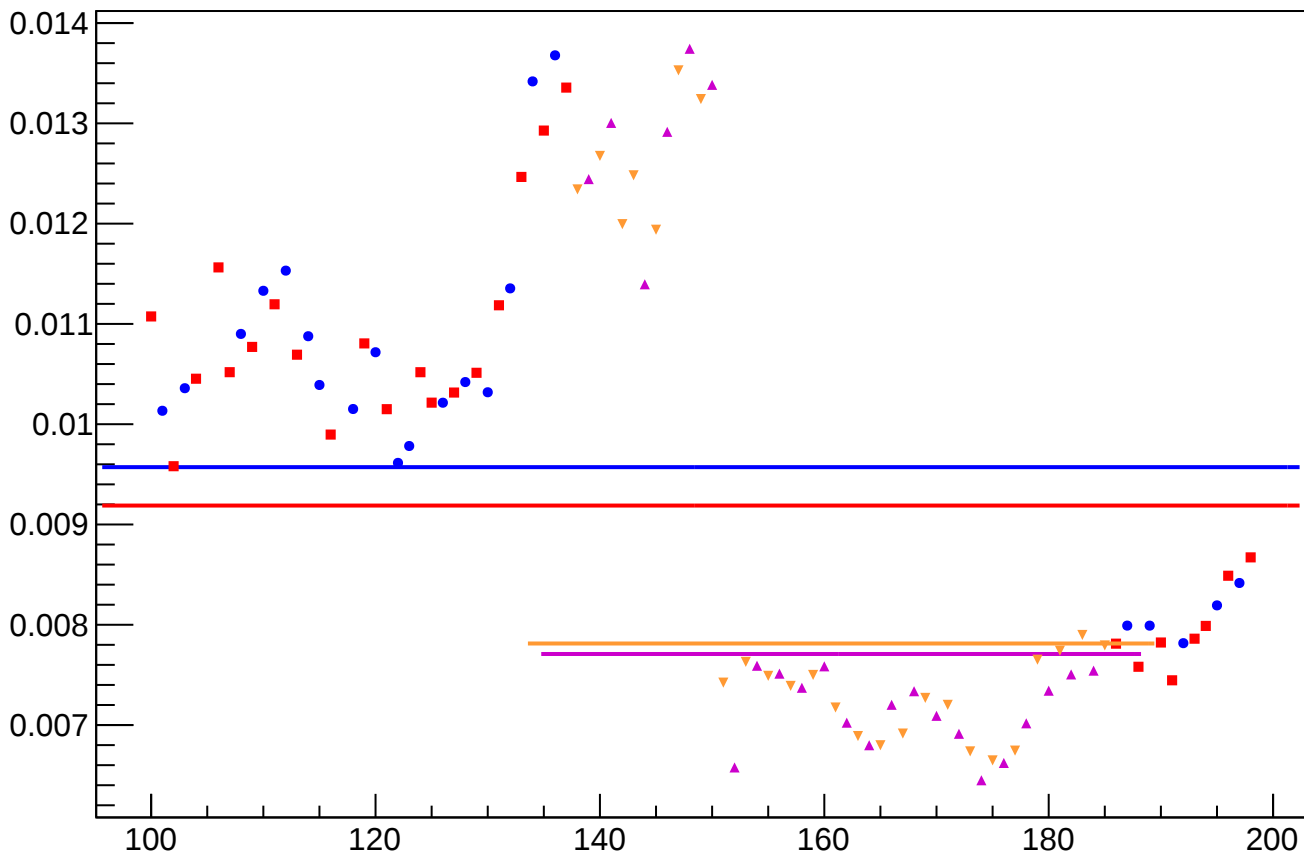
Right: -0.442+/-0.000 χ^2 /NDF: 45587686349.0/48

In: -0.711+/-0.000 χ^2 /NDF: 150207537931.1/44

Out: -0.647+/-0.000 χ^2 /NDF: 157806019405.9/51

All: -0.677+/-0.000 χ^2 /NDF: 308808078666.5

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 504267.7/21

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:1705997.6/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 625130.6/26

Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:1746653.6/22

Left: 0.008 $\pm$ 0.000 χ^2 /NDF: 3455681.9/47

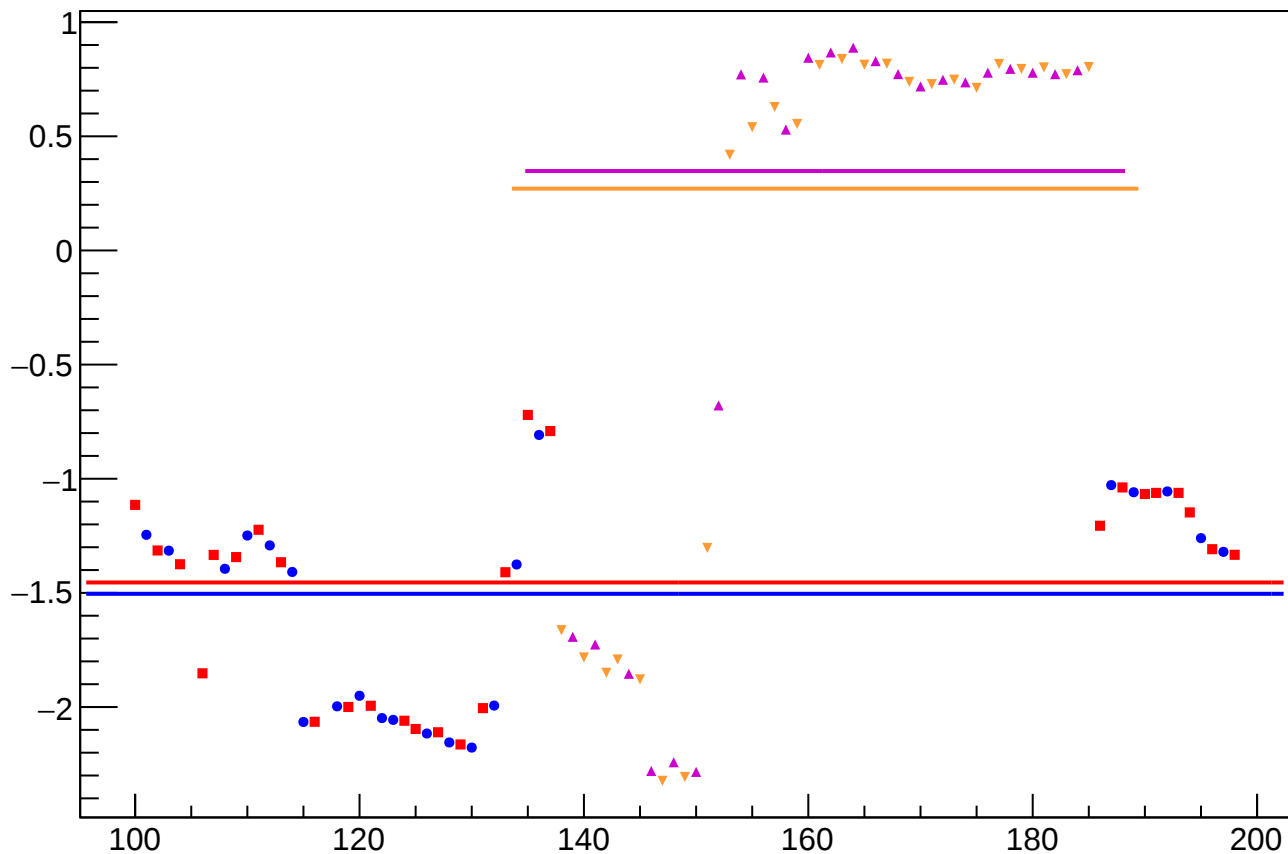
Right: 0.009 $\pm$ 0.000 χ^2 /NDF: 1146595.9/48

In: 0.008 $\pm$ 0.000 χ^2 /NDF:2767360.6/44

Out: 0.008 $\pm$ 0.000 χ^2 /NDF:2680241.8/51

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 5448429.9/96

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.504 ± 0.000 $\chi^2/\text{NDF}: 171781916920.5/21$

Left Out: 0.271 ± 0.000 $\chi^2/\text{NDF}: 2583233987355.9/24$

Right Out: -1.454 ± 0.000 $\chi^2/\text{NDF}: 163414049684.4/26$

Left In: 0.348 ± 0.000 $\chi^2/\text{NDF}: 2274004426513.8/22$

Left: 0.308 ± 0.000 $\chi^2/\text{NDF}: 4864843200778.2/47$

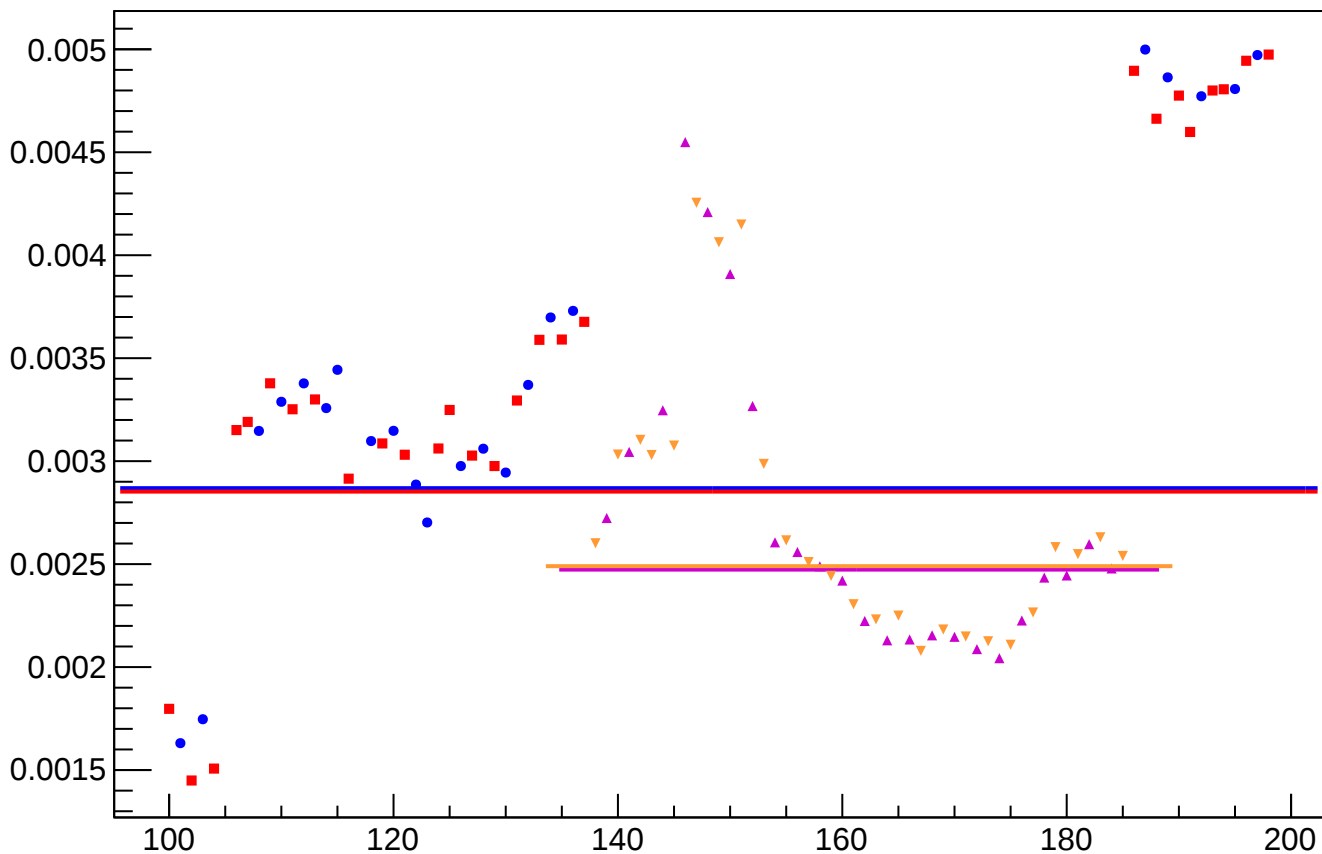
Right: -1.477 ± 0.000 $\chi^2/\text{NDF}: 336512398835.2/48$

In: -0.175 ± 0.000 $\chi^2/\text{NDF}: 4848822477047.0/44$

Out: -0.264 ± 0.000 $\chi^2/\text{NDF}: 5163810989610.2/51$

All: -0.221 ± 0.000 $\chi^2/\text{NDF}: 1002695153293$

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF : 2154173.6/21

Left Out: 0.002+/-0.000 χ^2/NDF :1070282.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 3484911.7/26

Left In: 0.002+/-0.000 χ^2/NDF :1135279.8/22

Left: 0.002+/-0.000 χ^2/NDF : 2206266.8/47

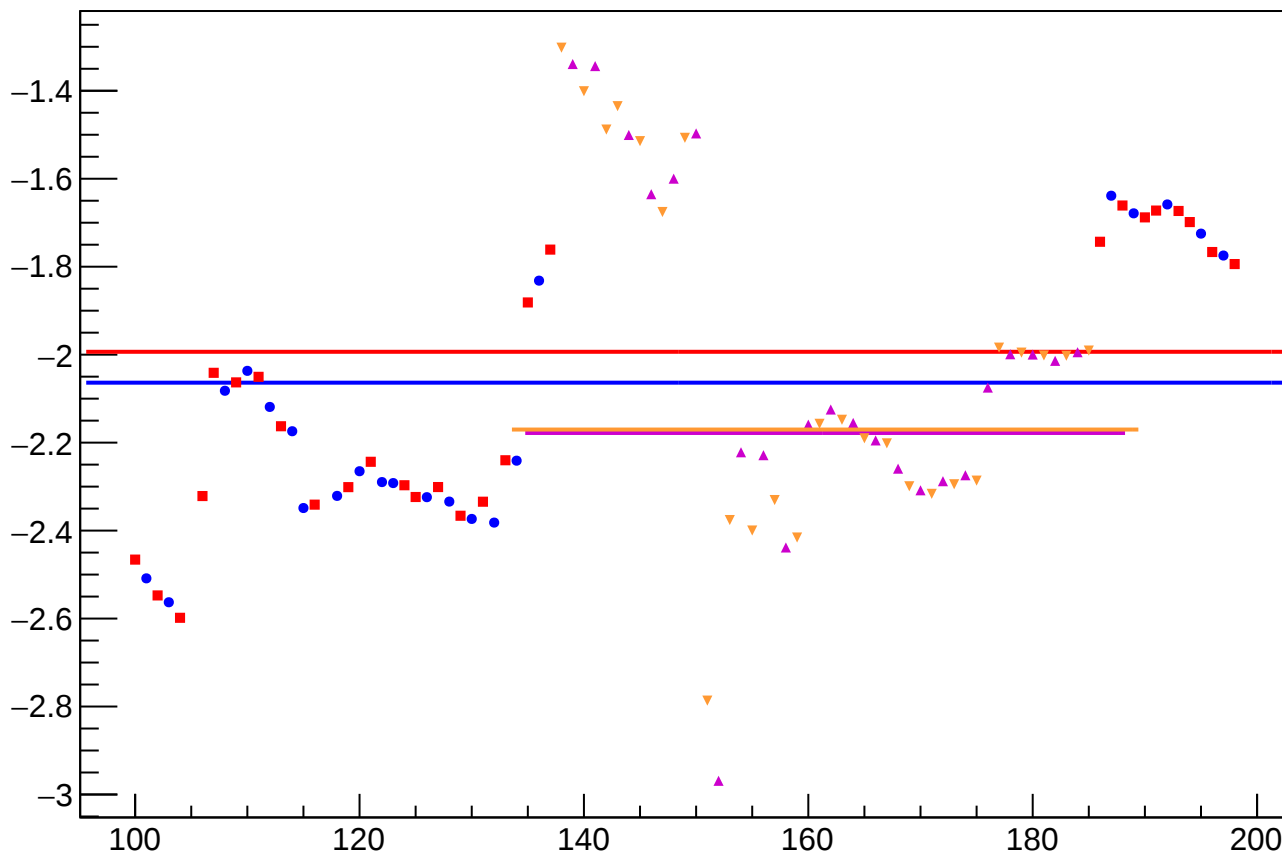
Right: 0.003+/-0.000 χ^2/NDF : 5639380.8/48

In: 0.003+/-0.000 χ^2/NDF :3508543.7/44

Out: 0.003+/-0.000 χ^2/NDF :4768255.0/51

All: 0.003+/-0.000 χ^2/NDF : 8277870.8/96

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -2.064 $\pm$ 0.000 χ^2 /NDF: 26809091014.1/21

Left Out: -2.170 $\pm$ 0.000 χ^2 /NDF: 59967315241.9/24

Right Out: -1.993 $\pm$ 0.000 χ^2 /NDF: 33474051794.5/26

Left In: -2.178 $\pm$ 0.000 χ^2 /NDF: 73402051113.3/22

Left: -2.174 $\pm$ 0.000 χ^2 /NDF: 133392029481.5/47

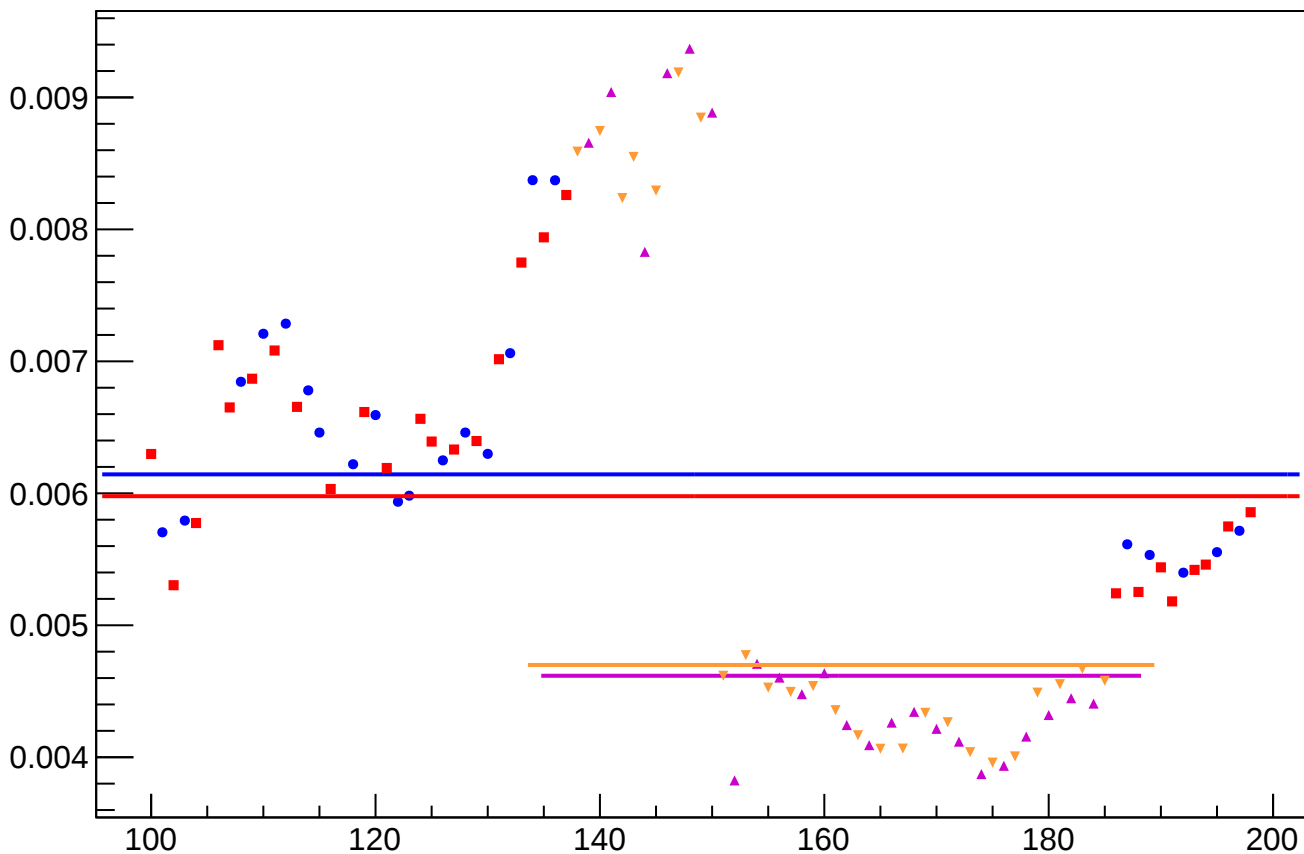
Right: -2.024 $\pm$ 0.000 χ^2 /NDF: 60977650079.4/48

In: -2.149 $\pm$ 0.000 χ^2 /NDF: 102638171460.7/44

Out: -2.117 $\pm$ 0.000 χ^2 /NDF: 100542669280.3/51

All: -2.132 $\pm$ 0.000 χ^2 /NDF: 203708662325.2

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 294868.2/21

Left Out: 0.005+/-0.000 χ^2/NDF :2319588.7/24

Right Out: 0.006+/-0.000 χ^2/NDF : 349617.7/26

Left In: 0.005+/-0.000 χ^2/NDF :2367440.9/22

Left: 0.005+/-0.000 χ^2/NDF : 4691984.4/47

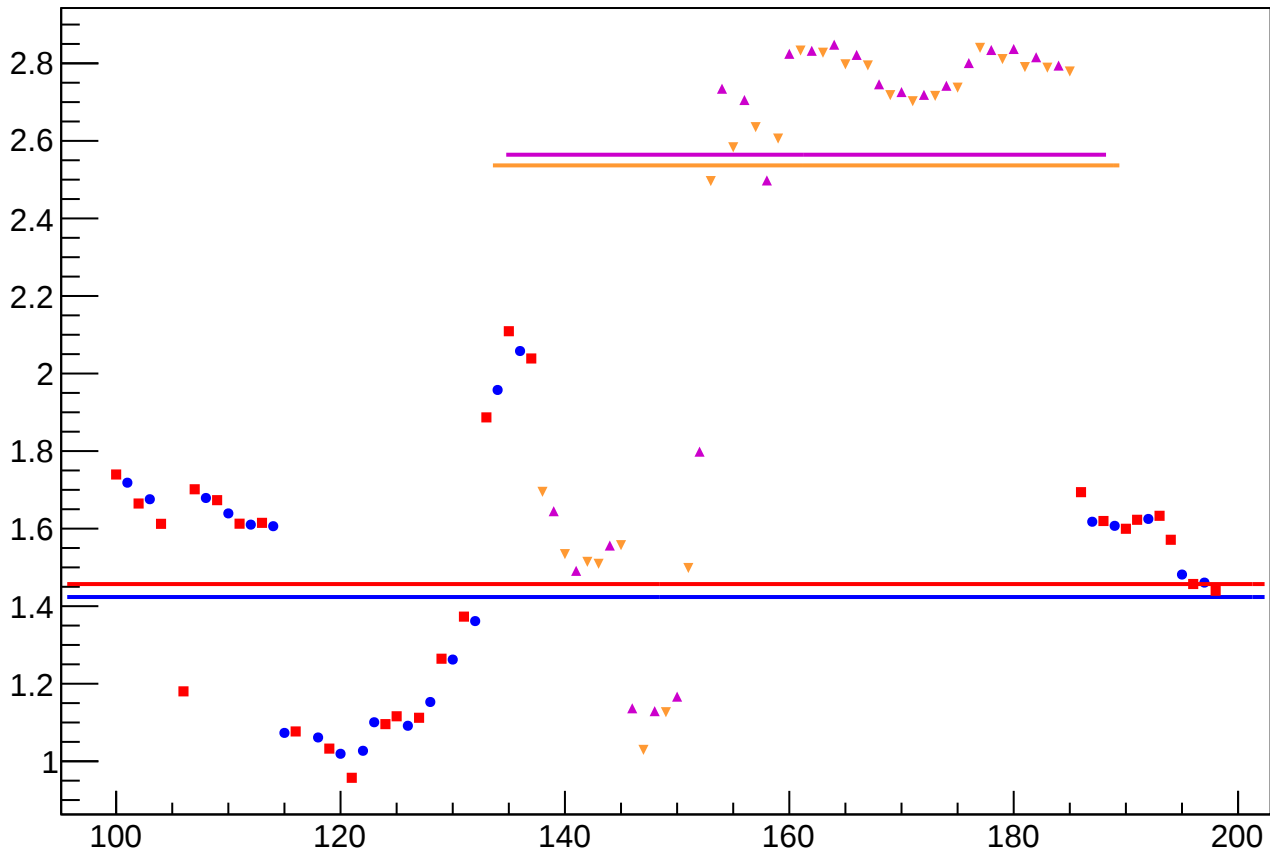
Right: 0.006+/-0.000 χ^2/NDF : 652194.1/48

In: 0.005+/-0.000 χ^2/NDF :3526542.1/44

Out: 0.005+/-0.000 χ^2/NDF :3412687.2/51

All: 0.005+/-0.000 χ^2/NDF : 6945799.0/96

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.424+/-0.000 χ^2/NDF : 174087393162.2/21

Left Out: 2.537+/-0.000 χ^2/NDF : 269554948115.3/24

Right Out: 1.457+/-0.000 χ^2/NDF : 176661707479.4/26

Left In: 2.564+/-0.000 χ^2/NDF : 260287937727.8/22

Left: 2.550+/-0.000 χ^2/NDF : 530319507083.6/47

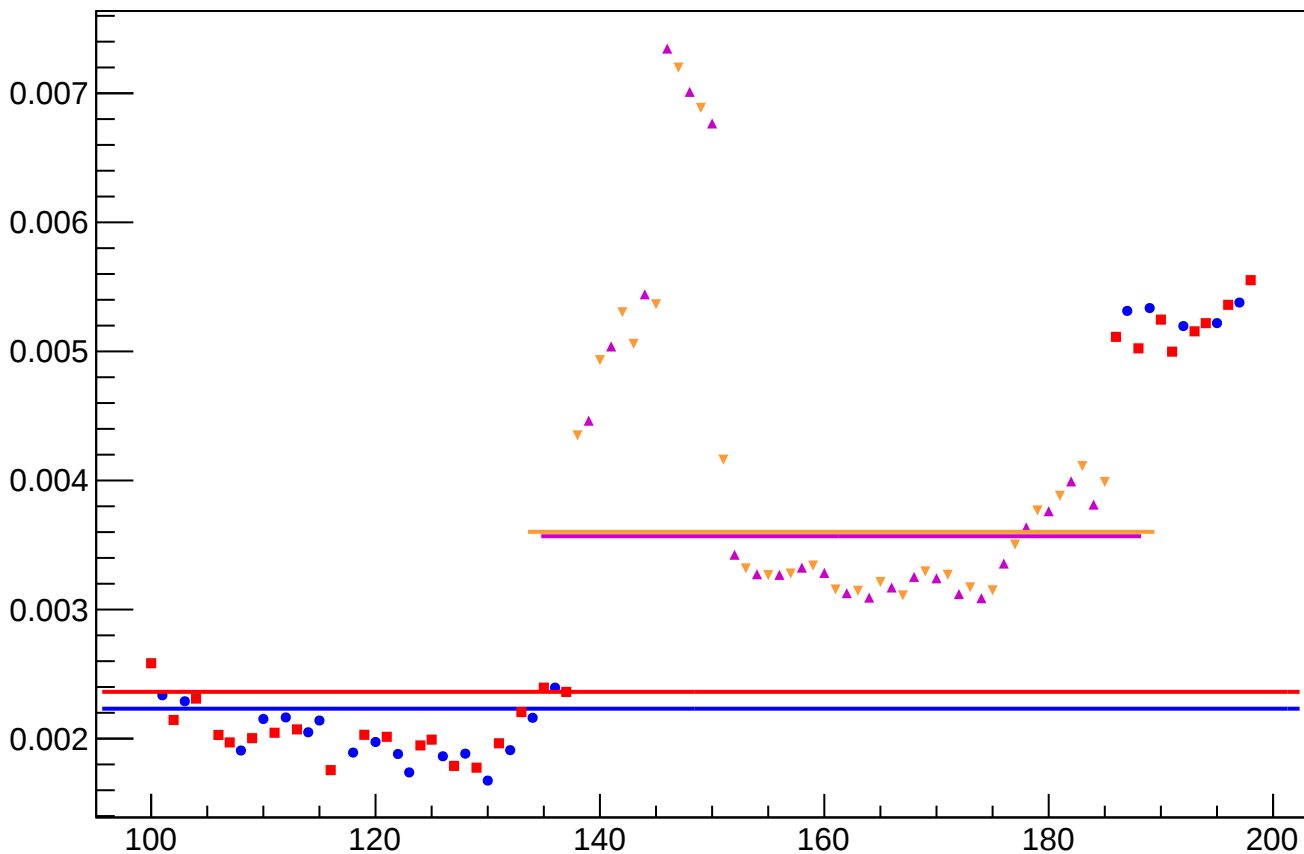
Right: 1.441+/-0.000 χ^2/NDF : 351692057746.2/48

In: 1.914+/-0.000 χ^2/NDF : 1344123122578.7/44

Out: 1.914+/-0.000 χ^2/NDF : 1312511930858.5/51

All: 1.914+/-0.000 χ^2/NDF : 2656635062222.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2317357.5/21

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1410717.8/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3471178.7/26

Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:1563028.0/22

Left: 0.004 $\pm$ 0.000 χ^2 /NDF: 2975225.3/47

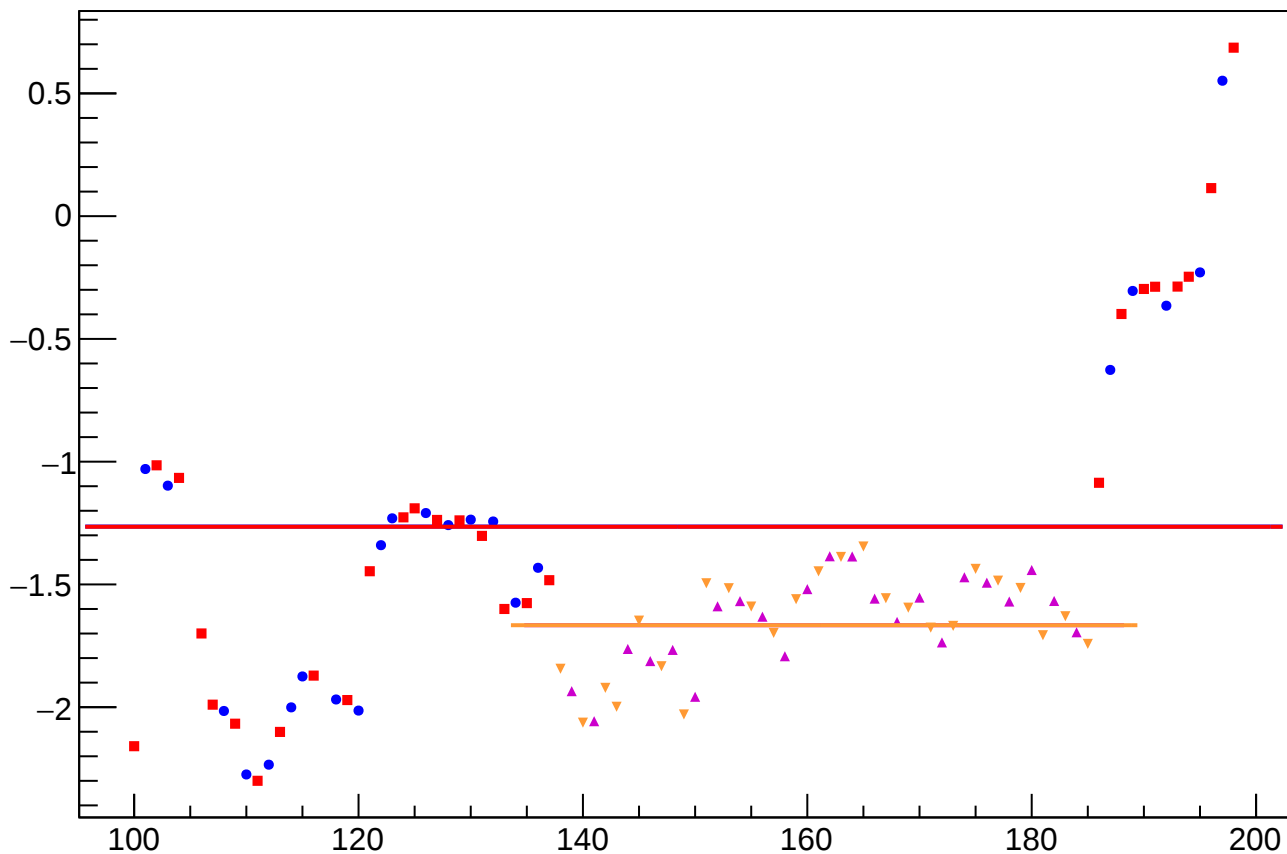
Right: 0.002 $\pm$ 0.000 χ^2 /NDF: 5817345.7/48

In: 0.003 $\pm$ 0.000 χ^2 /NDF:6376291.6/44

Out: 0.003 $\pm$ 0.000 χ^2 /NDF:7165945.6/51

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 13561574.3/96

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.264+/-0.000 χ^2/NDF : 69693904744.5/21

Left Out: -1.666+/-0.000 χ^2/NDF : 18325162131.2/24

Right Out: -1.265+/-0.000 χ^2/NDF : 119639822007.3/26

Left In: -1.666+/-0.000 χ^2/NDF : 14292570816.9/22

Left: -1.666+/-0.000 χ^2/NDF : 32617732948.1/47

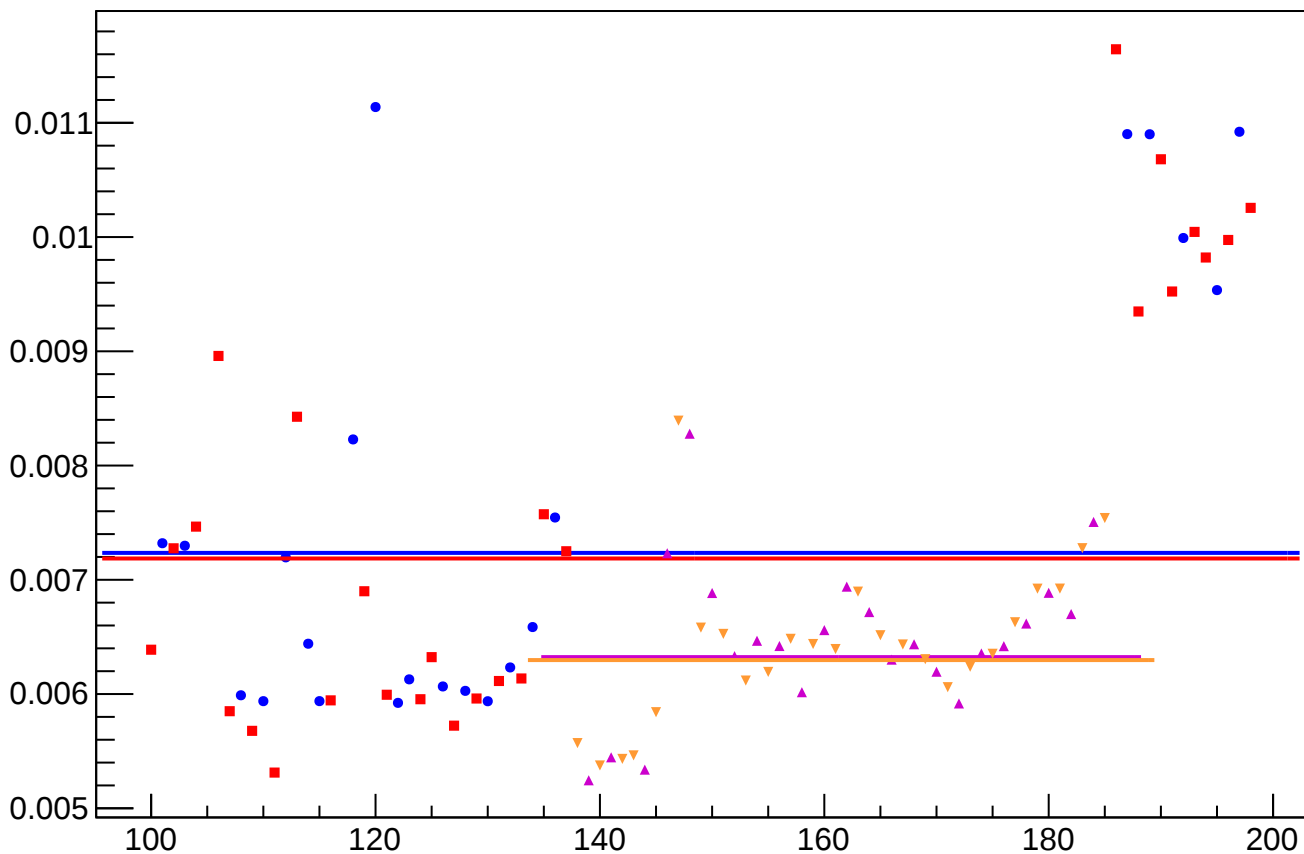
Right: -1.265+/-0.000 χ^2/NDF : 189333799246.8/48

In: -1.550+/-0.000 χ^2/NDF : 103130098856.9/44

Out: -1.536+/-0.000 χ^2/NDF : 161013661785.5/51

All: -1.542+/-0.000 χ^2/NDF : 264205637201.3

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 852946.7/21

Left Out: 0.006+/-0.000 χ^2/NDF :310757.0/24

Right Out: 0.007+/-0.000 χ^2/NDF : 1253296.5/26

Left In: 0.006+/-0.000 χ^2/NDF :330859.7/22

Left: 0.006+/-0.000 χ^2/NDF : 641901.9/47

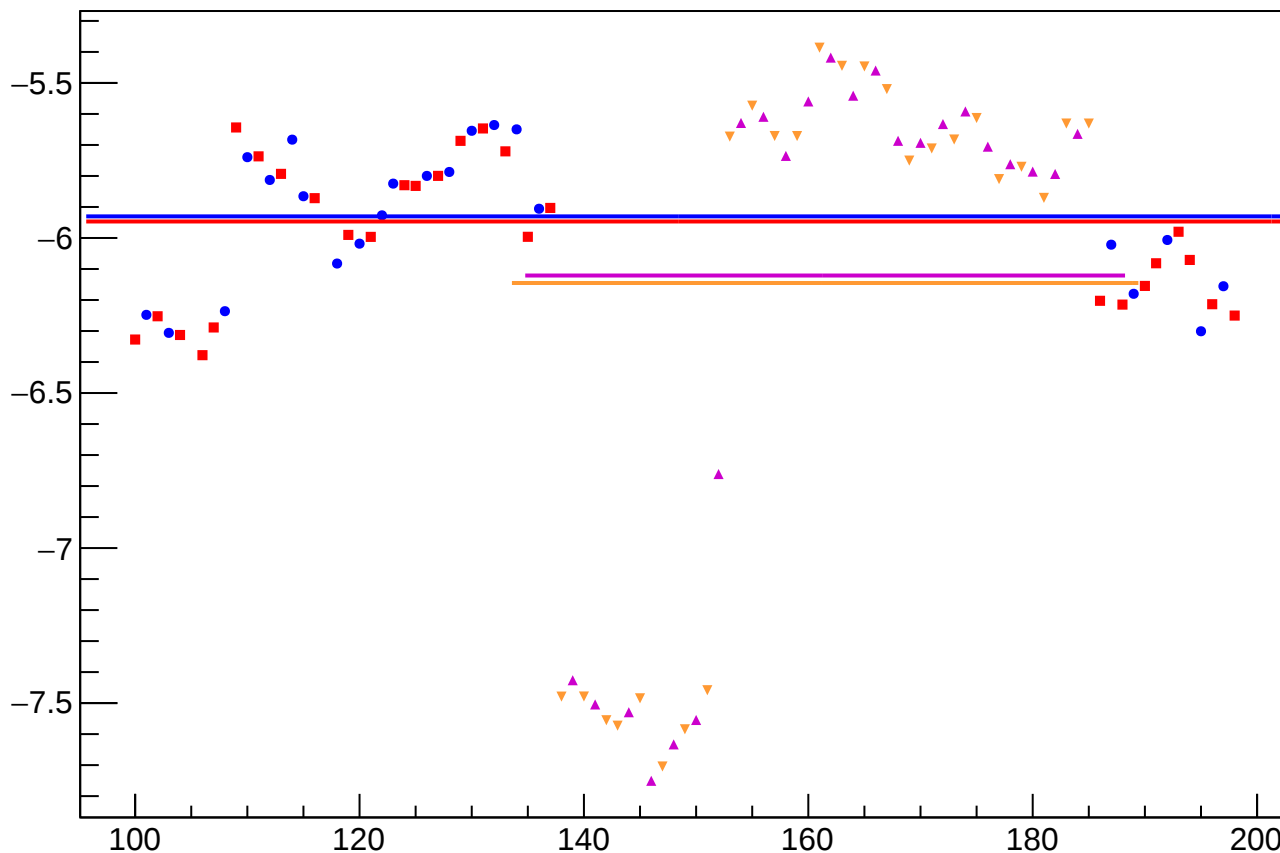
Right: 0.007+/-0.000 χ^2/NDF : 2106692.6/48

In: 0.007+/-0.000 χ^2/NDF :1381146.8/44

Out: 0.007+/-0.000 χ^2/NDF :1790751.8/51

All: 0.007+/-0.000 χ^2/NDF : 3171898.8/96

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.930 $\pm$ 0.000 χ^2/NDF : 12309525071.5/21

Left Out: -6.145 $\pm$ 0.000 χ^2/NDF : 185364150237.7/24

Right Out: -5.947 $\pm$ 0.000 χ^2/NDF : 14459643462.6/26

Left In: -6.121 $\pm$ 0.000 χ^2/NDF : 158315913062.3/22

Left: -6.133 $\pm$ 0.000 χ^2/NDF : 343753122832.9/47

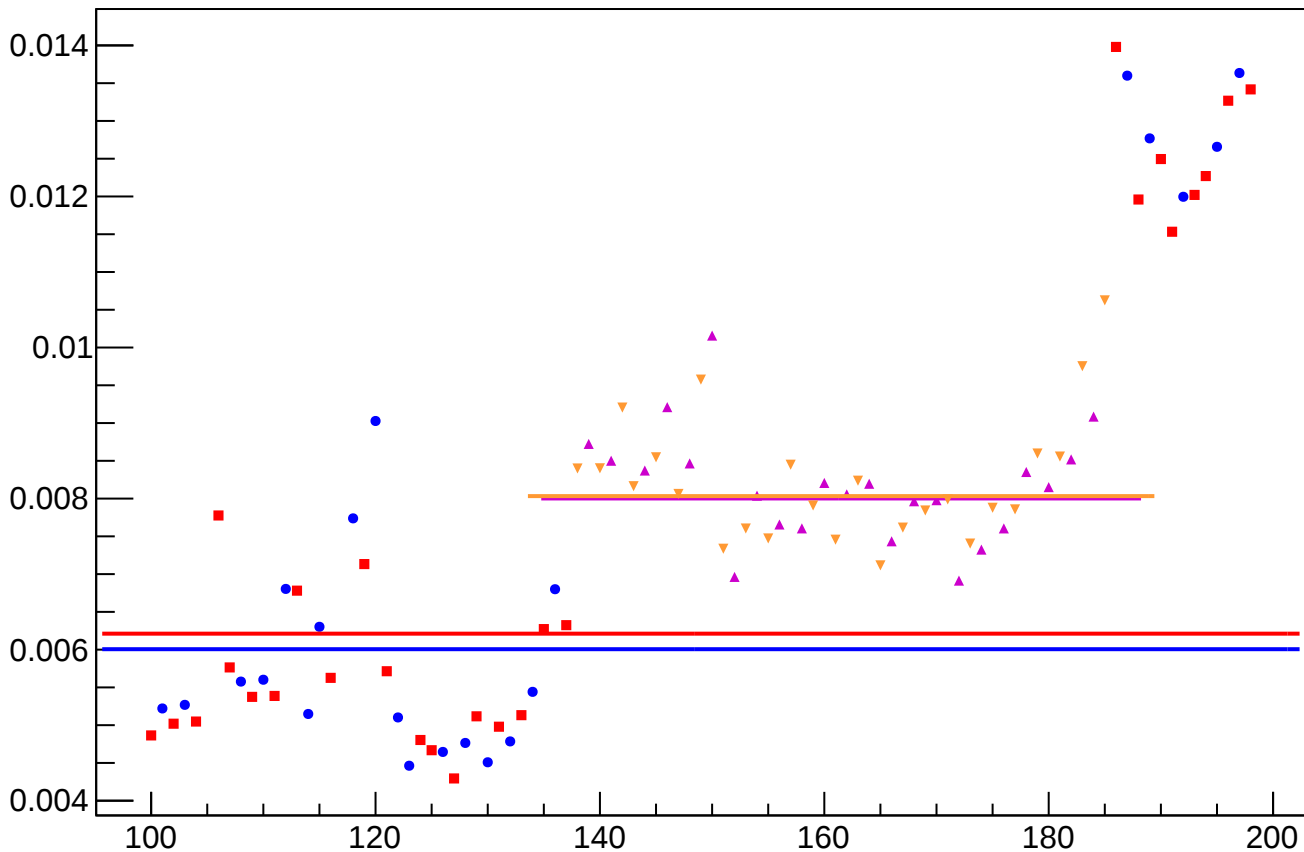
Right: -5.939 $\pm$ 0.000 χ^2/NDF : 26801063604.9/48

In: -6.031 $\pm$ 0.000 χ^2/NDF : 174857195353.2/44

Out: -6.047 $\pm$ 0.000 χ^2/NDF : 204845129738.9/51

All: -6.039 $\pm$ 0.000 χ^2/NDF : 379761693660.4

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 2168763.4/21

Left Out: 0.008+/-0.000 χ^2/NDF :205762.2/24

Right Out: 0.006+/-0.000 χ^2/NDF : 3080168.9/26

Left In: 0.008+/-0.000 χ^2/NDF :220756.1/22

Left: 0.008+/-0.000 χ^2/NDF : 426763.2/47

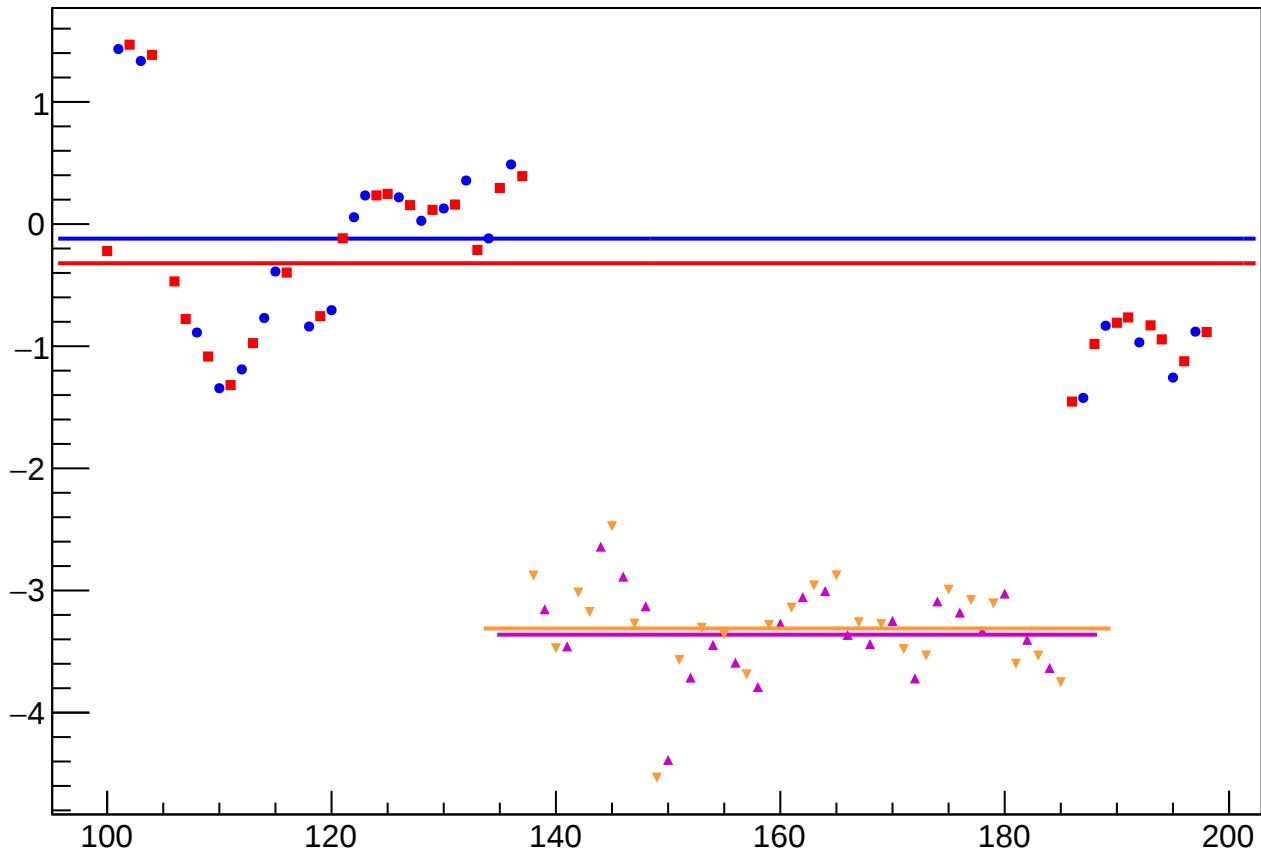
Right: 0.006+/-0.000 χ^2/NDF : 5258905.6/48

In: 0.007+/-0.000 χ^2/NDF :3316087.9/44

Out: 0.007+/-0.000 χ^2/NDF :4132292.6/51

All: 0.007+/-0.000 χ^2/NDF : 7450682.1/96

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -0.119+/-0.000 χ^2/NDF : 27383818490.4/21

Left Out: -3.311+/-0.000 χ^2/NDF : 9354397456.2/24

Right Out: -0.321+/-0.000 χ^2/NDF : 30749688363.3/26

Left In: -3.362+/-0.000 χ^2/NDF : 8171803777.4/22

Left: -3.336+/-0.000 χ^2/NDF : 17613895190.9/47

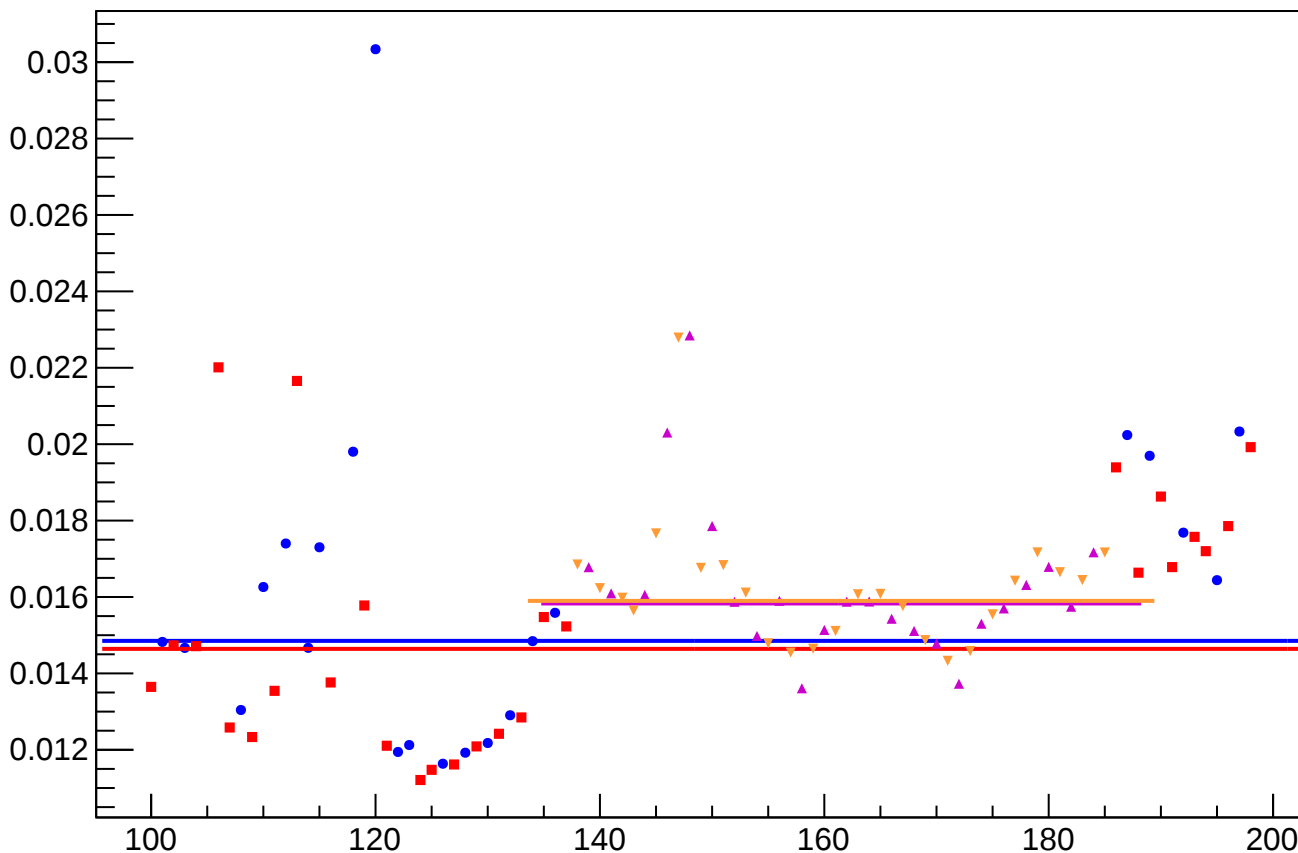
Right: -0.233+/-0.000 χ^2/NDF : 59045900384.5/48

In: -2.149+/-0.000 χ^2/NDF : 296149444811.2/44

Out: -2.039+/-0.000 χ^2/NDF : 306058567129.3/51

All: -2.090+/-0.000 χ^2/NDF : 602889150790.7

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF : 691961.6/21

Left Out: 0.016+/-0.000 χ^2/NDF :251912.7/24

Right Out: 0.015+/-0.000 χ^2/NDF : 767537.9/26

Left In: 0.016+/-0.000 χ^2/NDF :339542.1/22

Left: 0.016+/-0.000 χ^2/NDF : 591766.7/47

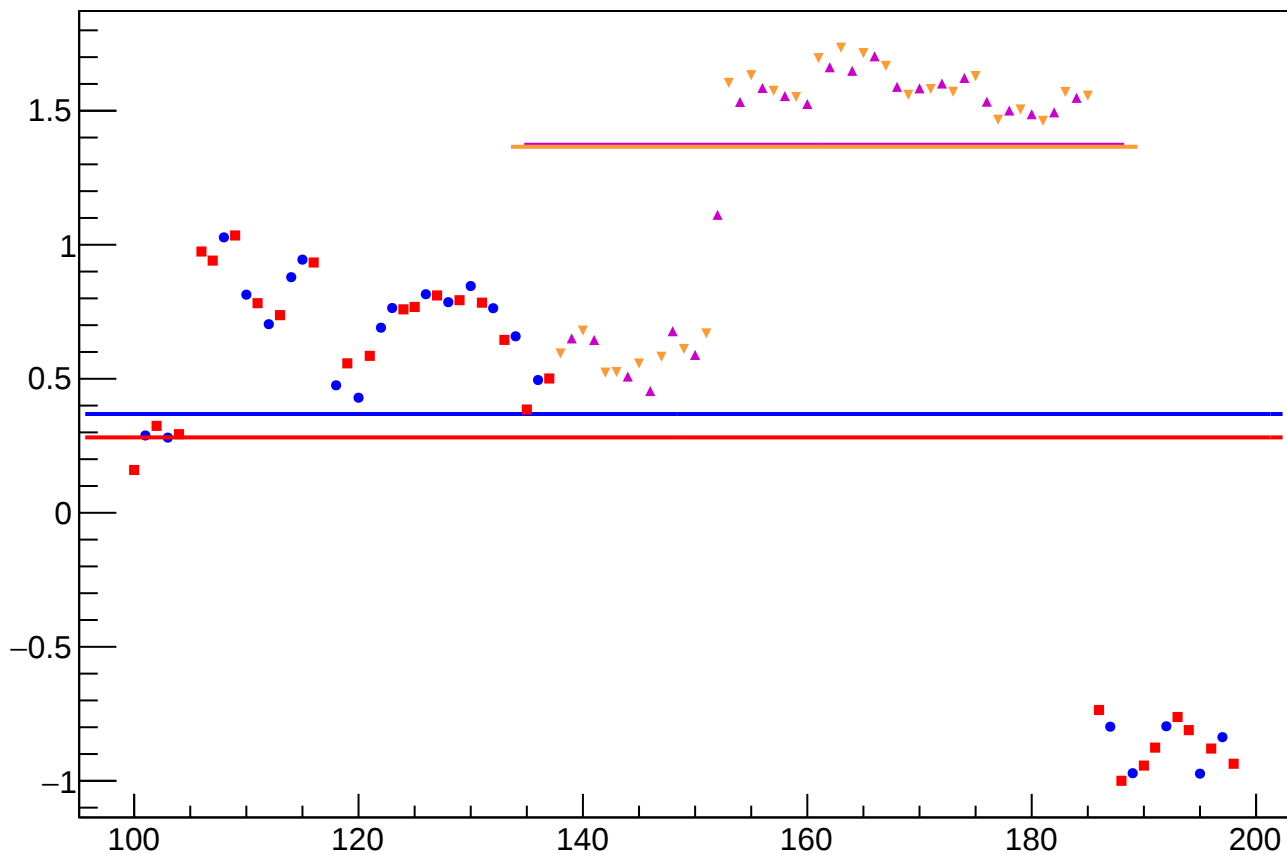
Right: 0.015+/-0.000 χ^2/NDF : 1461466.1/48

In: 0.015+/-0.000 χ^2/NDF :1079031.5/44

Out: 0.015+/-0.000 χ^2/NDF :1113337.9/51

All: 0.015+/-0.000 χ^2/NDF : 2193509.6/96

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.369+/-0.000

χ^2/NDF : 40951821267.8/21

Left: 1.369+/-0.000

χ^2/NDF : 138167468300.7/47

Left Out: 1.366+/-0.000

χ^2/NDF : 74741956067.9/24

Right: 0.320+/-0.000

χ^2/NDF : 104354920577.1/48

Right Out: 0.281+/-0.000

χ^2/NDF : 62922040085.6/26

In: 1.162+/-0.000

χ^2/NDF : 195169840164.0/44

Out: 1.096+/-0.000

χ^2/NDF : 262305543823.5/51

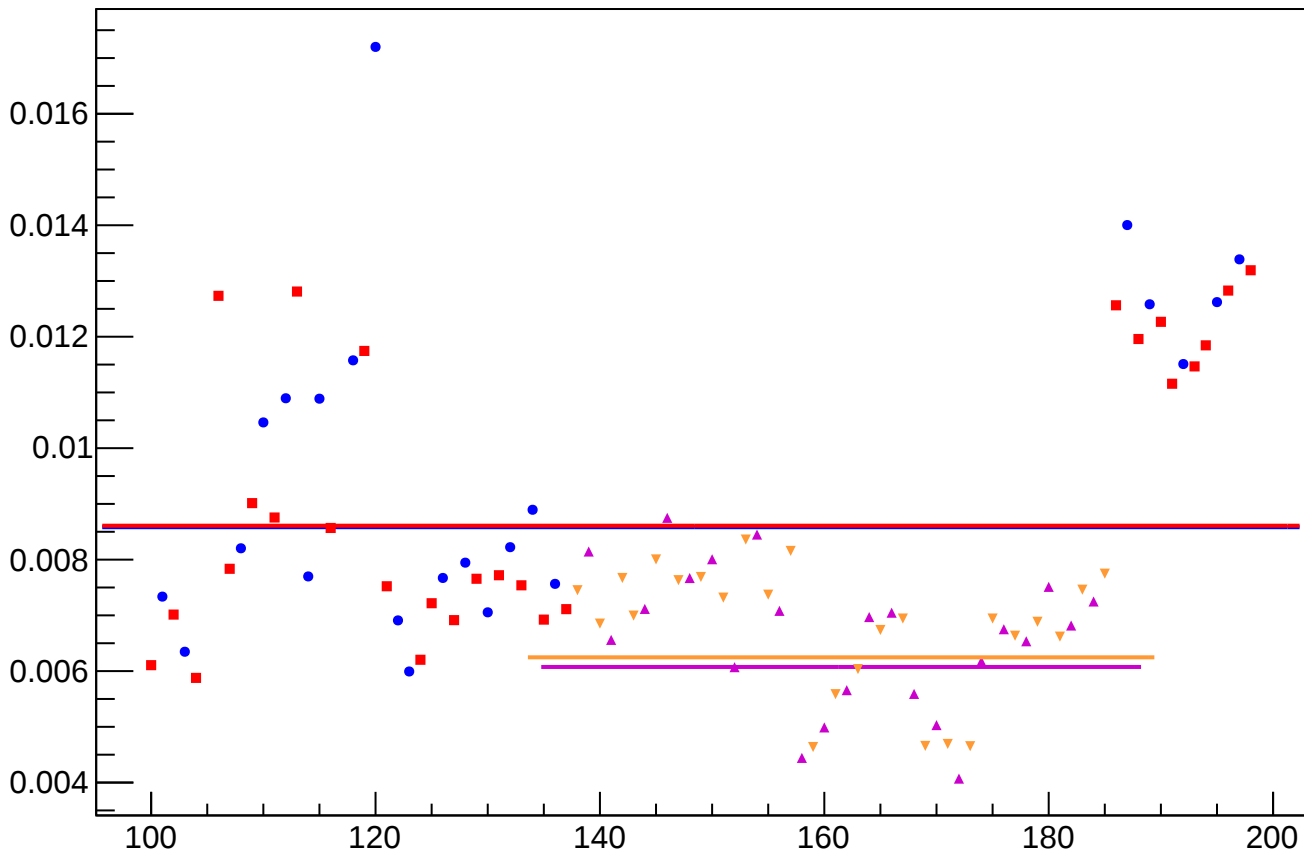
Left In: 1.373+/-0.000

χ^2/NDF : 63413151416.3/22

All: 1.128+/-0.000

χ^2/NDF : 458680809691.4

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 1167003.7/21

Left Out: 0.006+/-0.000 χ^2/NDF :1330867.5/24

Right Out: 0.009+/-0.000 χ^2/NDF : 1540468.4/26

Left In: 0.006+/-0.000 χ^2/NDF :1431986.5/22

Left: 0.006+/-0.000 χ^2/NDF : 2775615.7/47

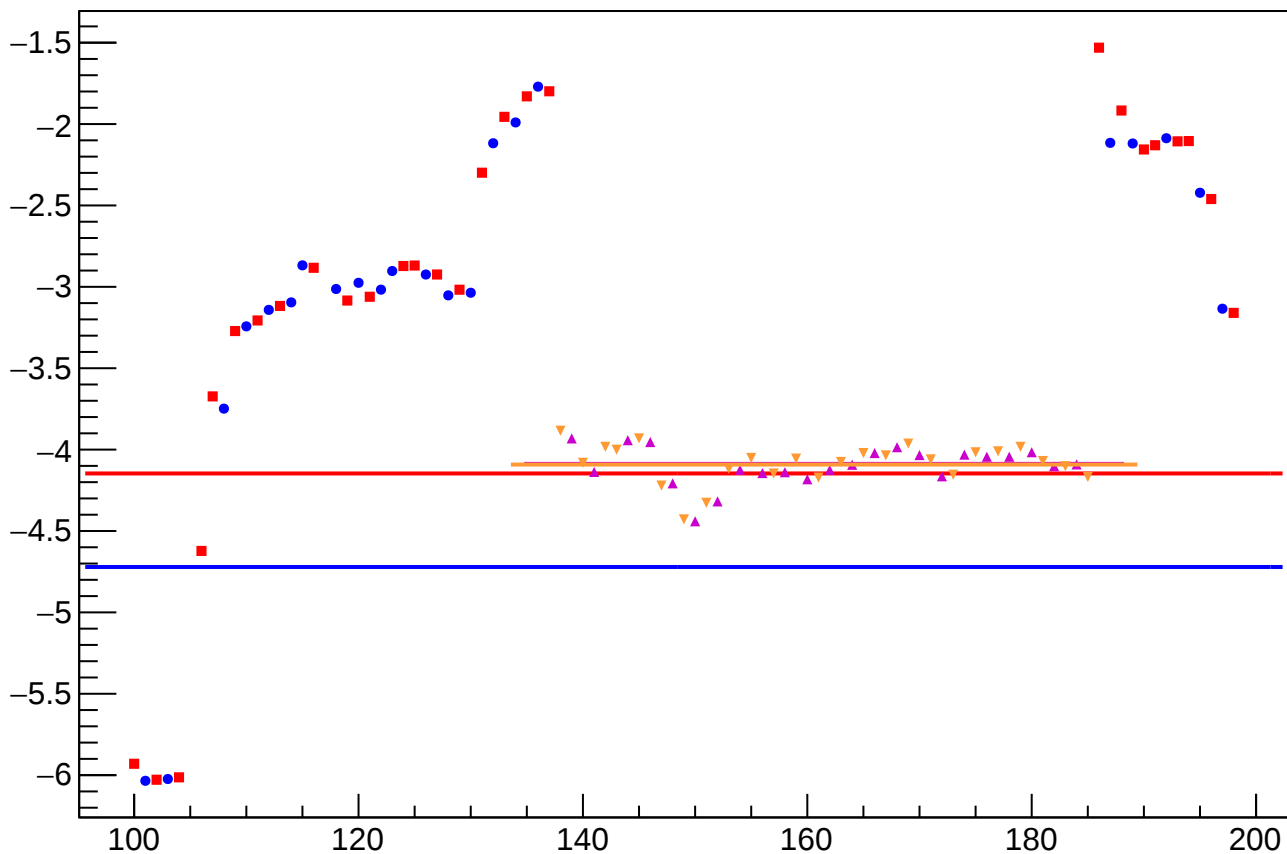
Right: 0.009+/-0.000 χ^2/NDF : 2707562.8/48

In: 0.007+/-0.000 χ^2/NDF :3730888.0/44

Out: 0.007+/-0.000 χ^2/NDF :4054036.0/51

All: 0.007+/-0.000 χ^2/NDF : 7814925.2/96

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -4.721+/-0.000 χ^2/NDF : 217781892198.6/21

Left Out: -4.092+/-0.000 χ^2/NDF : 39806766.7/24

Right Out: -4.146+/-0.000 χ^2/NDF : 264551900412.2/26

Left In: -4.088+/-0.000 χ^2/NDF : 34412880.7/22

Left: -4.089+/-0.000 χ^2/NDF : 74248792.8/47

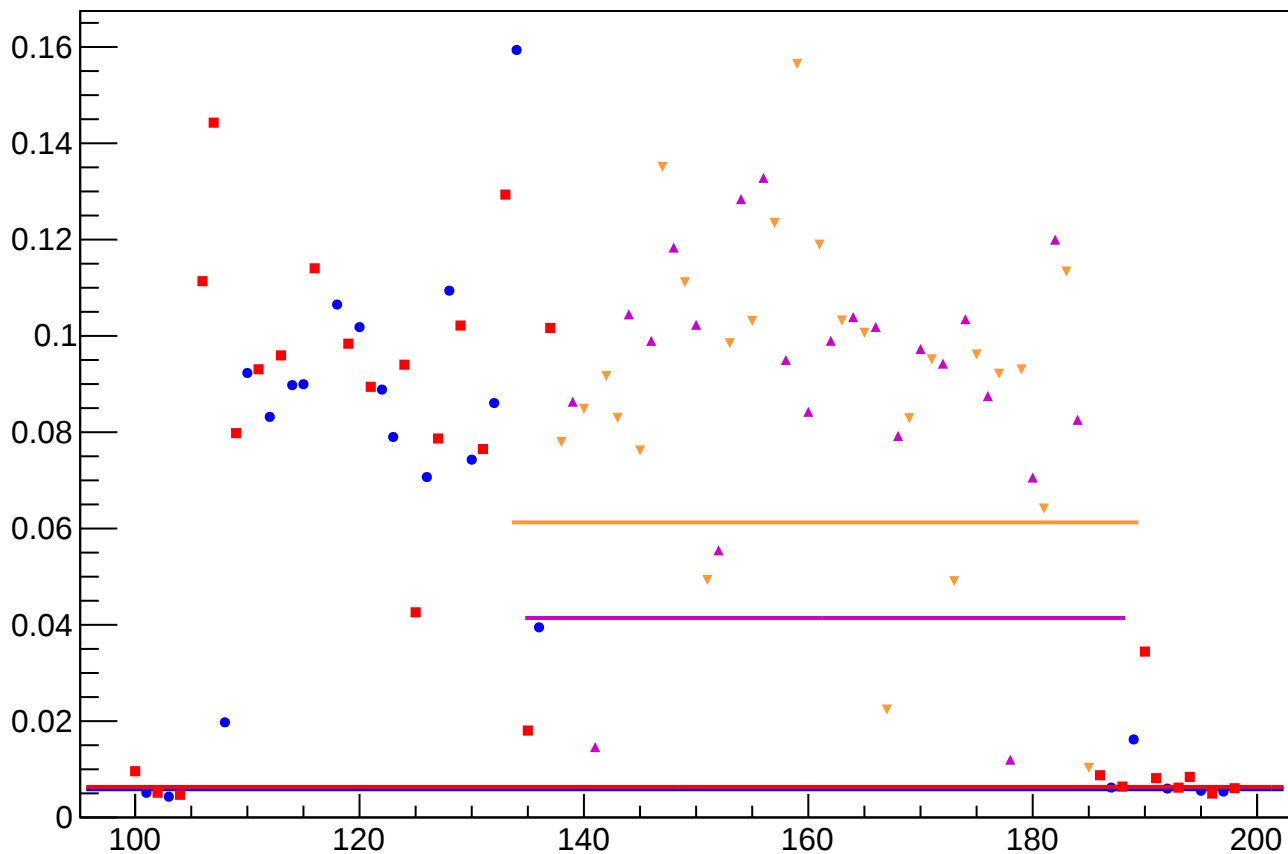
Right: -4.432+/-0.000 χ^2/NDF : 494563350909.0/48

In: -4.686+/-0.000 χ^2/NDF : 219433201898.1/44

Out: -4.144+/-0.000 χ^2/NDF : 264600200017.2/51

All: -4.416+/-0.000 χ^2/NDF : 495444905470.8

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 7995976.6/21

Left Out: 0.061 $\pm$ 0.000 χ^2 /NDF:8355266.0/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 8745660.0/26

Left In: 0.041 $\pm$ 0.000 χ^2 /NDF:13124468.7/22

Left: 0.050 $\pm$ 0.000 χ^2 /NDF: 22855159.2/47

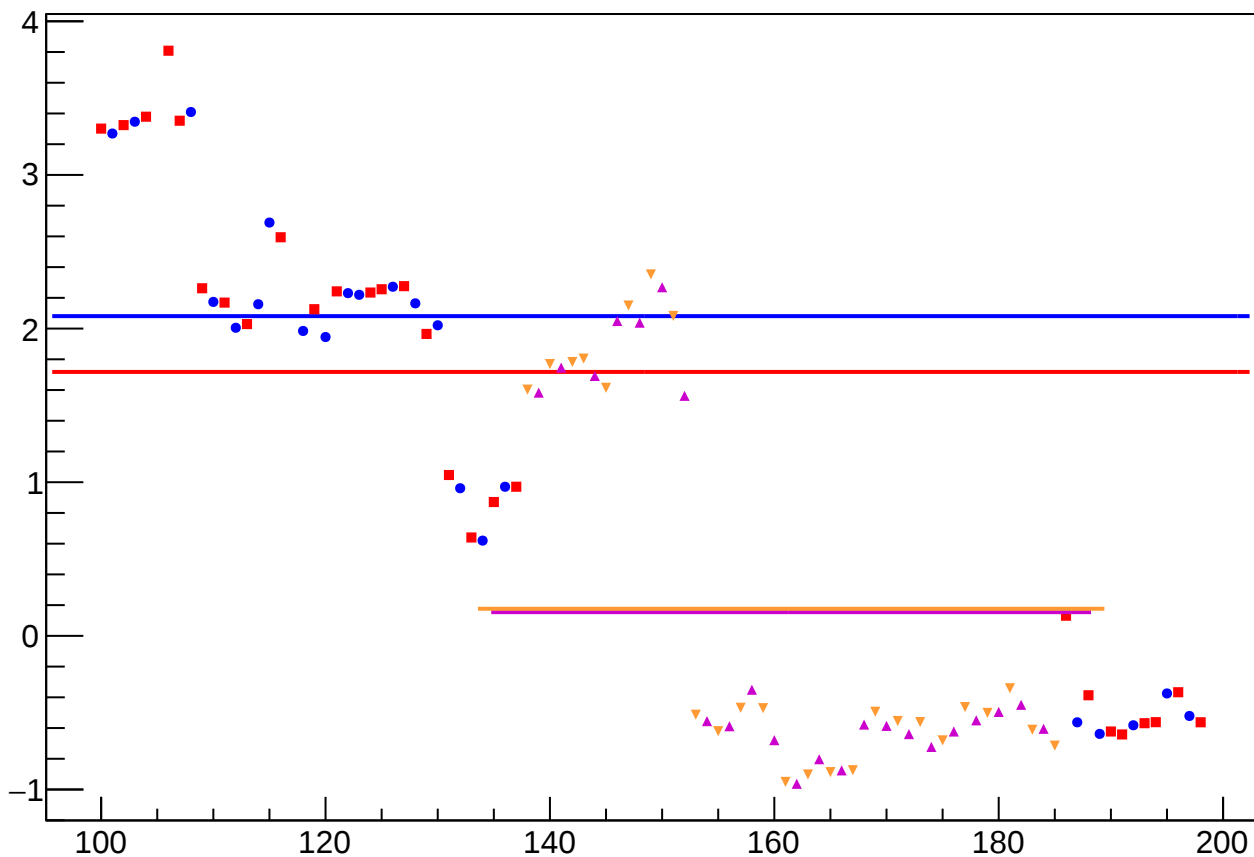
Right: 0.006 $\pm$ 0.000 χ^2 /NDF: 16757760.8/48

In: 0.008 $\pm$ 0.000 χ^2 /NDF:31317538.2/44

Out: 0.008 $\pm$ 0.000 χ^2 /NDF:34253975.6/51

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 65600582.2/96

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 2.081+/-0.000 χ^2/NDF : 130493786448.7/21

Left Out: 0.177+/-0.000 χ^2/NDF : 3275313367.7/24

Right Out: 1.718+/-0.000 χ^2/NDF : 159269401104.0/26

Left In: 0.154+/-0.000 χ^2/NDF : 3163553595.0/22

Left: 0.165+/-0.000 χ^2/NDF : 6439465655.5/47

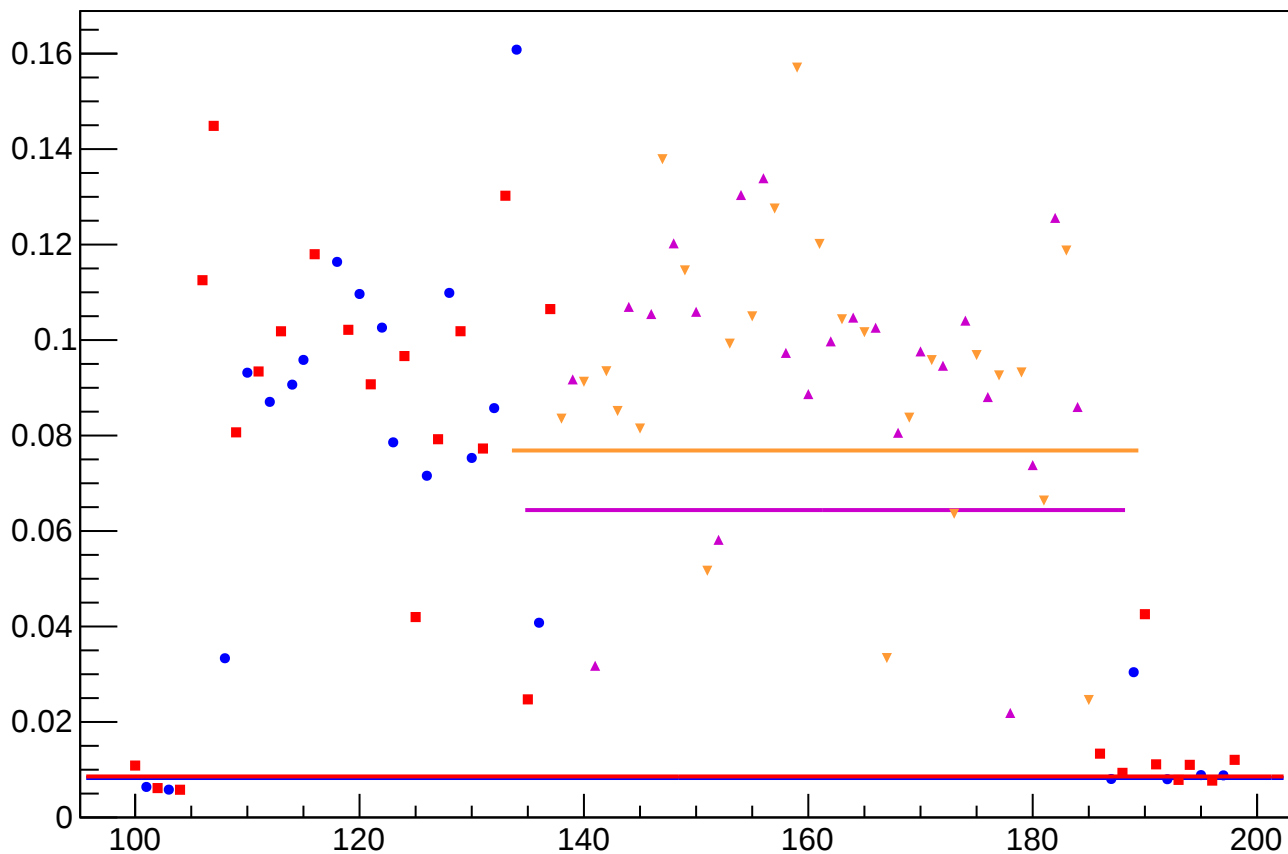
Right: 1.892+/-0.000 χ^2/NDF : 292646711714.8/48

In: 1.969+/-0.000 χ^2/NDF : 142677051895.0/44

Out: 1.645+/-0.000 χ^2/NDF : 167675865805.5/51

All: 1.801+/-0.000 χ^2/NDF : 312780174538.0

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7897734.0/21

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF: 4217954.3/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 8629590.4/26

Left In: 0.064 $\pm$ 0.000 χ^2 /NDF: 6990231.5/22

Left: 0.070 $\pm$ 0.000 χ^2 /NDF: 11584112.3/47

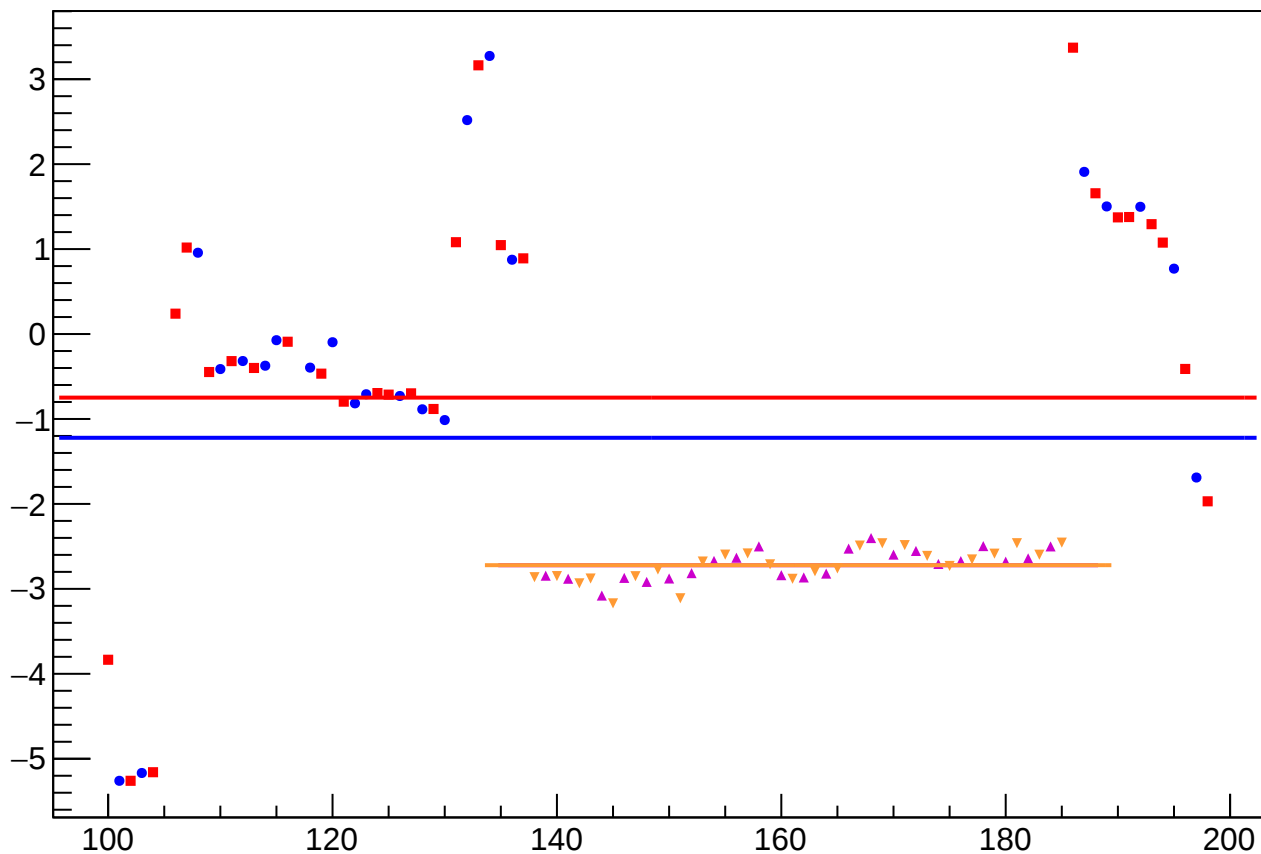
Right: 0.008 $\pm$ 0.000 χ^2 /NDF: 16531942.2/48

In: 0.012 $\pm$ 0.000 χ^2 /NDF: 30195449.5/44

Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 32988627.9/51

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 63188145.2/96

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.222+/-0.000 χ^2/NDF : 201426452993.2/21

Left Out: -2.721+/-0.000 χ^2/NDF : 10397156971.6/24

Right Out: -0.749+/-0.000 χ^2/NDF : 228203923105.0/26

Left In: -2.722+/-0.000 χ^2/NDF : 8146484592.1/22

Left: -2.722+/-0.000 χ^2/NDF : 18543711860.5/47

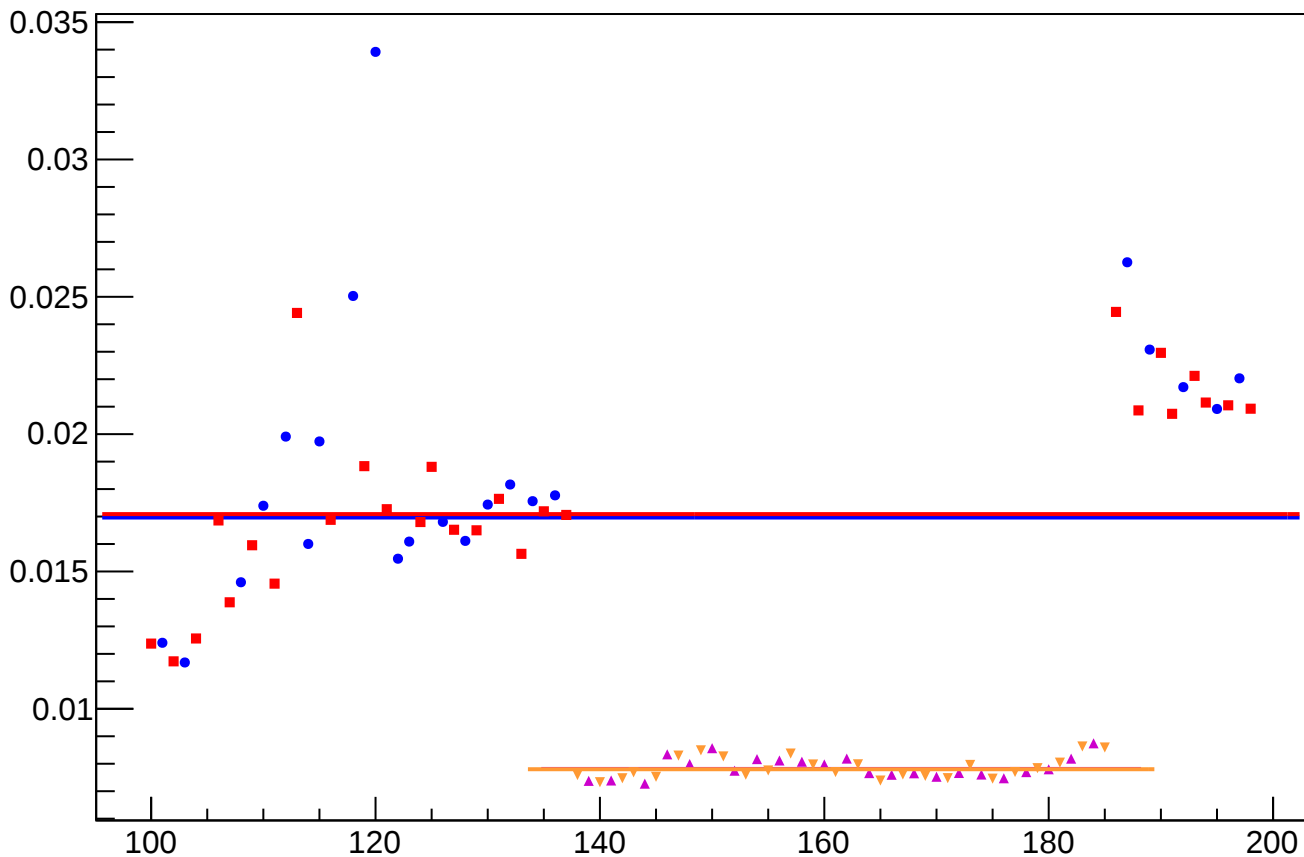
Right: -0.957+/-0.000 χ^2/NDF : 433275439761.4/48

In: -2.578+/-0.000 χ^2/NDF : 268842236365.5/44

Out: -2.499+/-0.000 χ^2/NDF : 366342203337.3/51

All: -2.537+/-0.000 χ^2/NDF : 636165948734.5

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.017+/-0.000 χ^2/NDF : 972867.0/21

Left Out: 0.008+/-0.000 χ^2/NDF : 71164.4/24

Right Out: 0.017+/-0.000 χ^2/NDF : 933662.1/26

Left In: 0.008+/-0.000 χ^2/NDF : 67610.2/22

Left: 0.008+/-0.000 χ^2/NDF : 138804.4/47

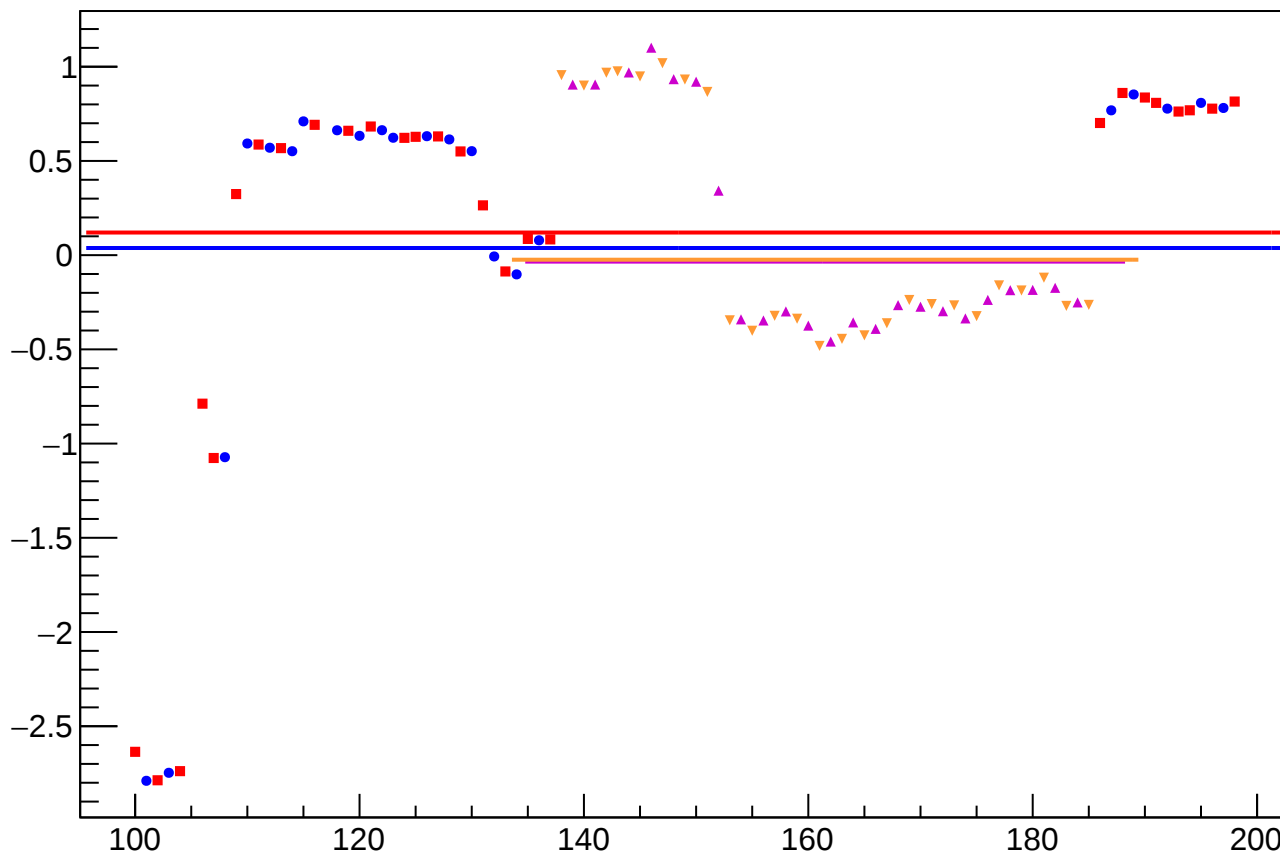
Right: 0.017+/-0.000 χ^2/NDF : 1907034.7/48

In: 0.009+/-0.000 χ^2/NDF : 5452481.6/44

Out: 0.009+/-0.000 χ^2/NDF : 6669456.6/51

All: 0.009+/-0.000 χ^2/NDF : 12129729.5/96

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000

χ^2/NDF : 800158603881.9/21

Left: -0.029+/-0.000

χ^2/NDF : 249405201350.6/47

Left Out: -0.024+/-0.000

χ^2/NDF : 135451649275.0/24

Right: 0.083+/-0.000

χ^2/NDF : 1690813370196.6/48

Right Out: 0.120+/-0.000

χ^2/NDF : 888325996402.9/26

In: 0.007+/-0.000

χ^2/NDF : 915487645637.5/44

Out: 0.064+/-0.000

χ^2/NDF : 1029929654323.8/51

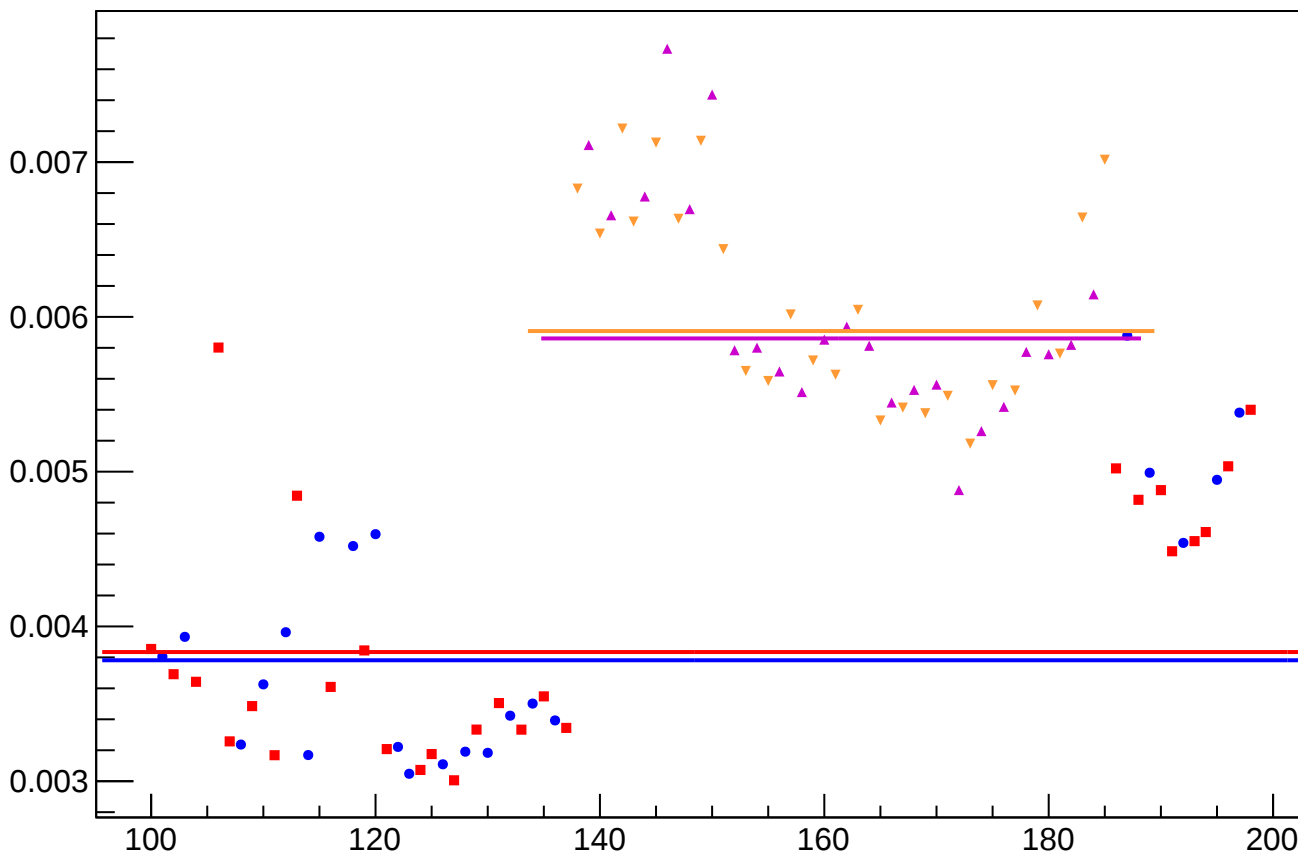
Left In: -0.034+/-0.000

χ^2/NDF : 113929060918.1/22

All: 0.038+/-0.000

χ^2/NDF : 1947305713557.0

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 595167.4/21

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:314309.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 820917.9/26

Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:364512.1/22

Left: 0.006 $\pm$ 0.000 χ^2 /NDF: 679905.3/47

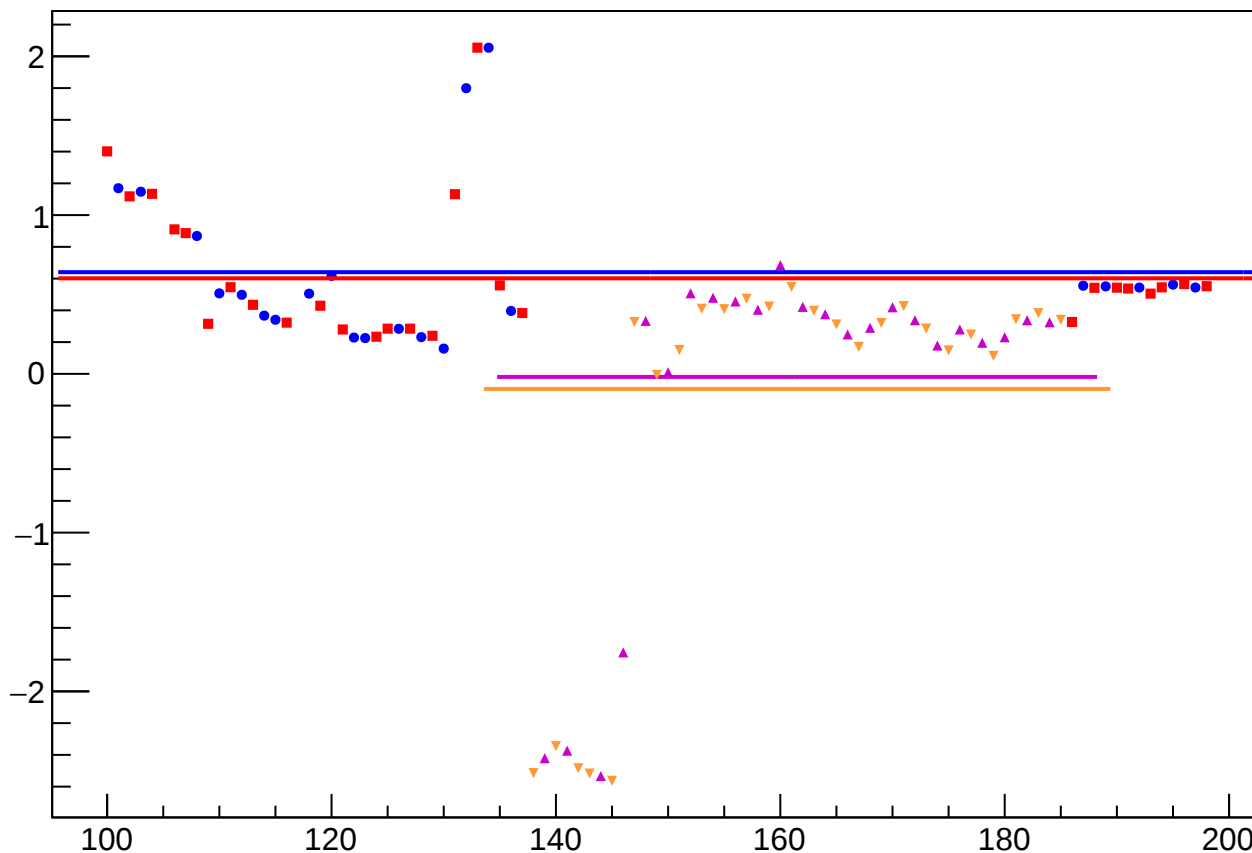
Right: 0.004 $\pm$ 0.000 χ^2 /NDF: 1418040.3/48

In: 0.005 $\pm$ 0.000 χ^2 /NDF:3276968.2/44

Out: 0.005 $\pm$ 0.000 χ^2 /NDF:3679273.8/51

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 6957022.3/96

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.641 ± 0.000 $\chi^2/\text{NDF}: 38983423990.3/21$

Left Out: -0.095 ± 0.000 $\chi^2/\text{NDF}: 505606573631.9/24$

Right Out: 0.602 ± 0.000 $\chi^2/\text{NDF}: 45390867299.2/26$

Left In: -0.019 ± 0.000 $\chi^2/\text{NDF}: 417104863944.5/22$

Left: -0.058 ± 0.000 $\chi^2/\text{NDF}: 924153662333.7/47$

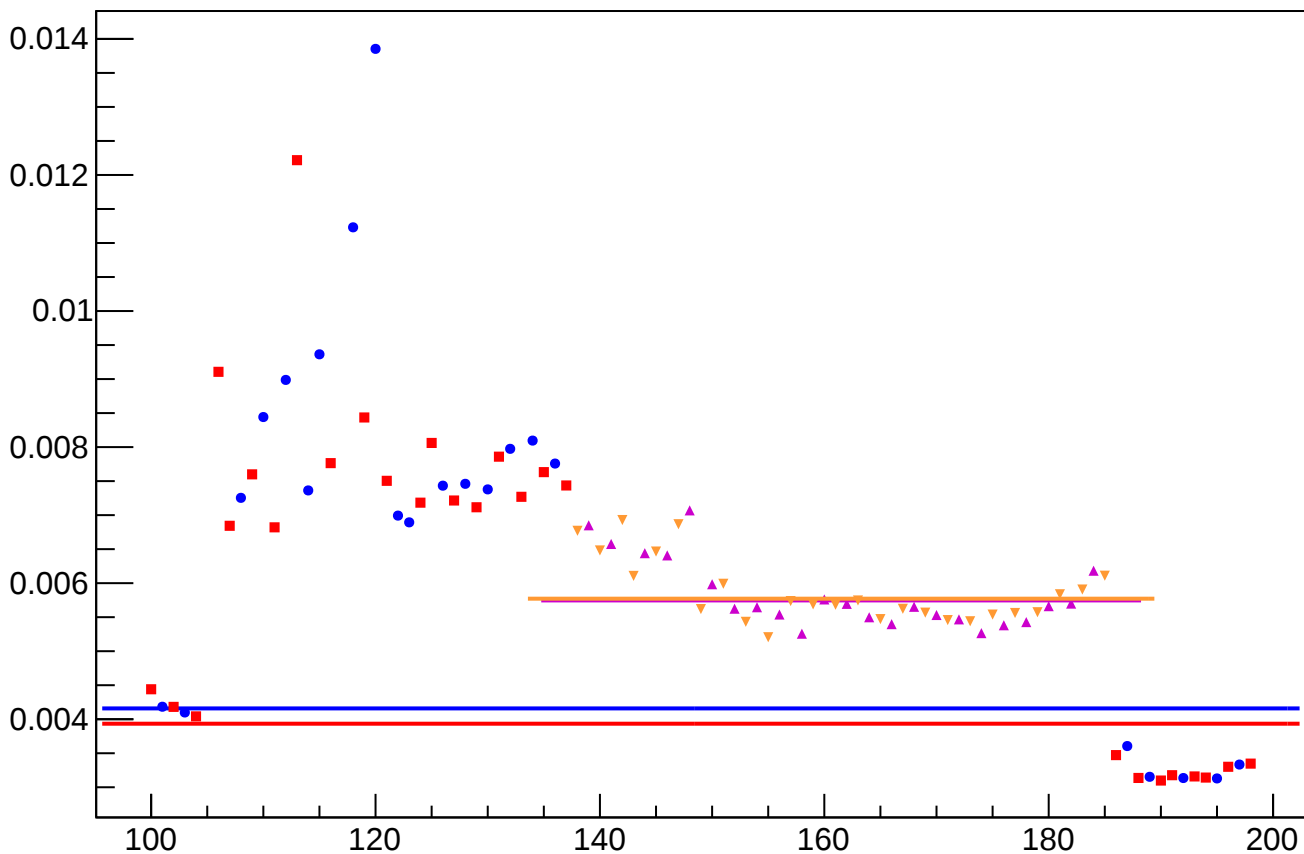
Right: 0.618 ± 0.000 $\chi^2/\text{NDF}: 84756789013.6/48$

In: 0.288 ± 0.000 $\chi^2/\text{NDF}: 556190980378.5/44$

Out: 0.288 ± 0.000 $\chi^2/\text{NDF}: 688361119151.6/51$

All: 0.288 ± 0.000 $\chi^2/\text{NDF}: 1244552220080.$

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 2900051.3/21

Left Out: 0.006+/-0.000 χ^2/NDF :177680.7/24

Right Out: 0.004+/-0.000 χ^2/NDF : 3048821.7/26

Left In: 0.006+/-0.000 χ^2/NDF :204066.4/22

Left: 0.006+/-0.000 χ^2/NDF : 382076.8/47

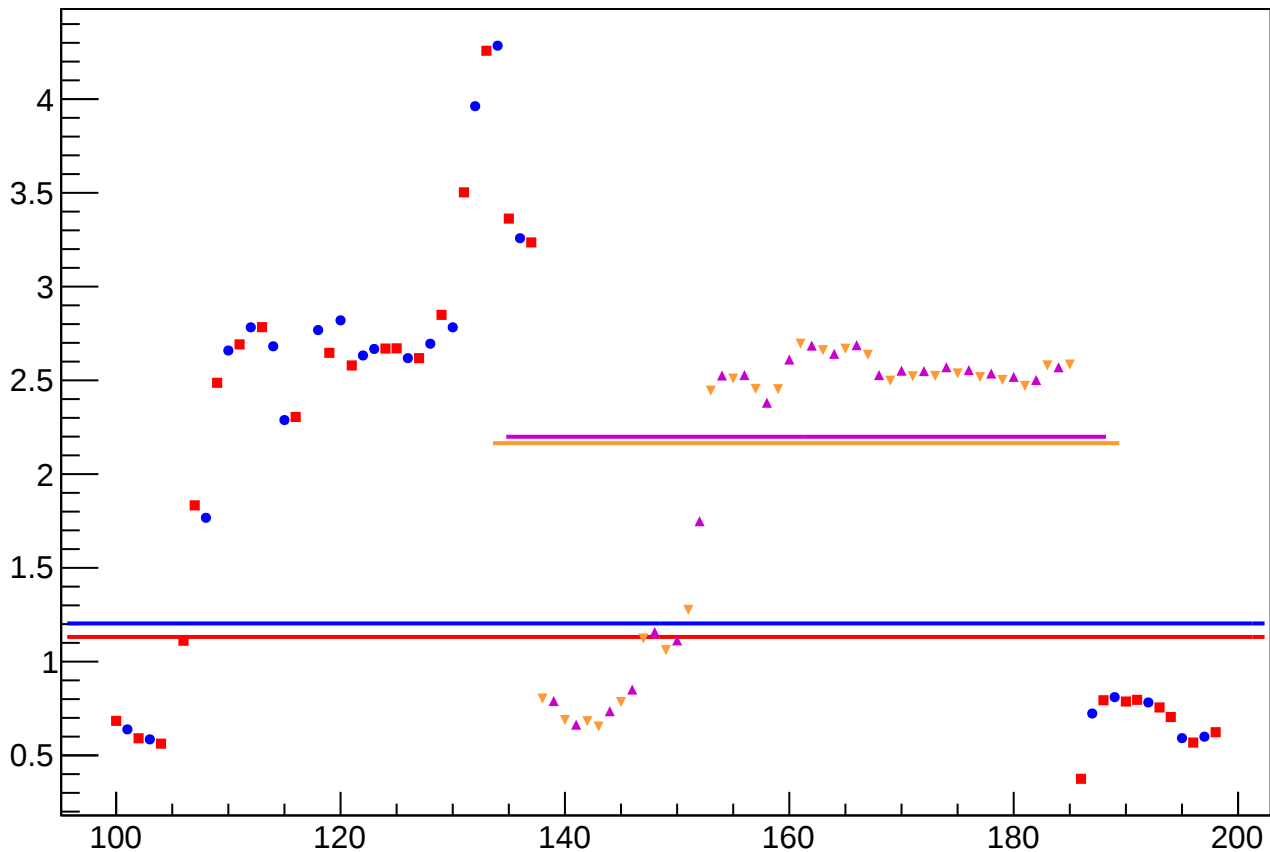
Right: 0.004+/-0.000 χ^2/NDF : 5974659.0/48

In: 0.005+/-0.000 χ^2/NDF :4262773.5/44

Out: 0.005+/-0.000 χ^2/NDF :5137510.9/51

All: 0.005+/-0.000 χ^2/NDF : 9461048.7/96

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.204 $\pm$ 0.000 χ^2/NDF : 257812457650.3/21

Left Out: 2.165 $\pm$ 0.000 χ^2/NDF : 292800056899.6/24

Right Out: 1.132 $\pm$ 0.000 χ^2/NDF : 317423769203.6/26

Left In: 2.199 $\pm$ 0.000 χ^2/NDF : 253166239065.4/22

Left: 2.182 $\pm$ 0.000 χ^2/NDF : 546302258971.9/47

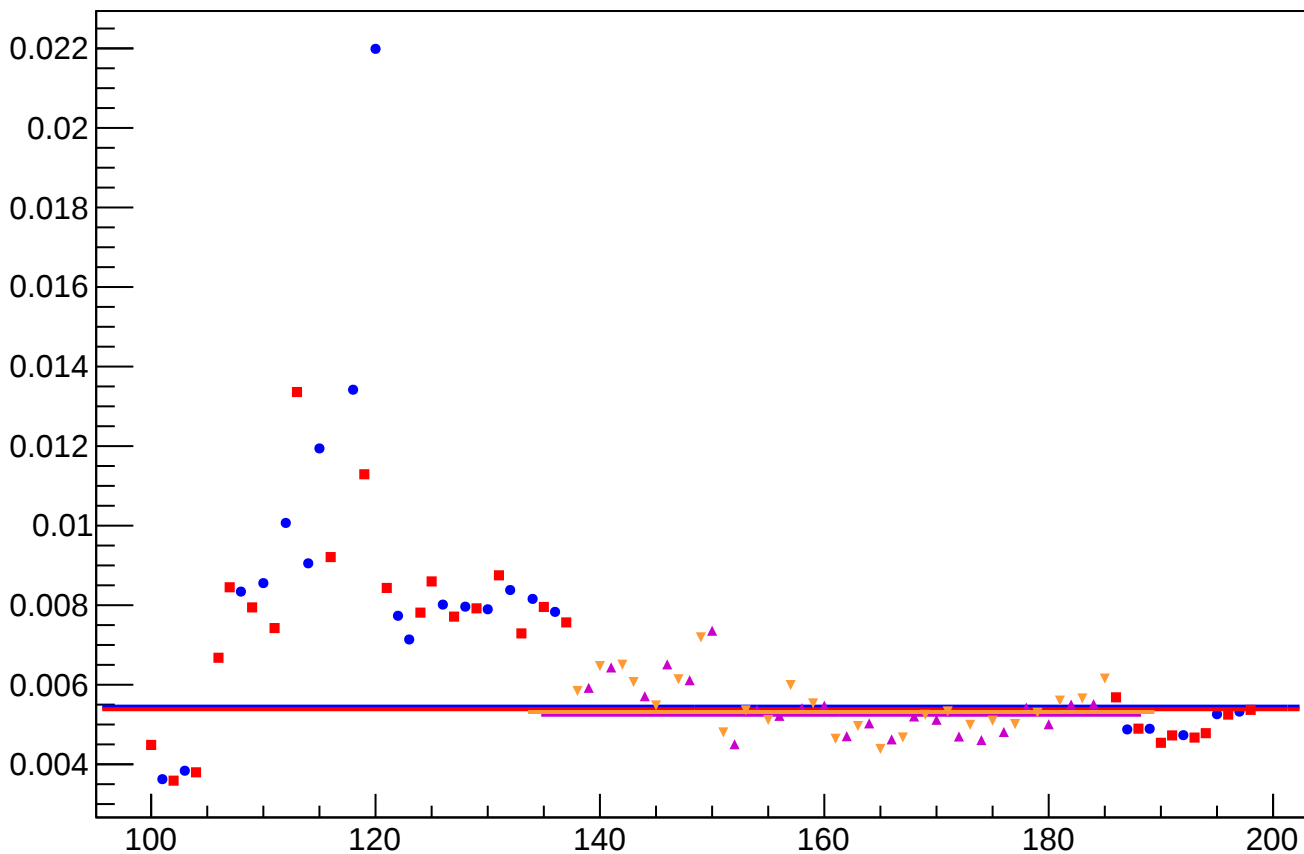
Right: 1.162 $\pm$ 0.000 χ^2/NDF : 576006228118.4/48

In: 1.888 $\pm$ 0.000 χ^2/NDF : 688063676072.8/44

Out: 1.780 $\pm$ 0.000 χ^2/NDF : 843802255598.3/51

All: 1.831 $\pm$ 0.000 χ^2/NDF : 1537012164361.0

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 2004301.1/21

Left Out: 0.005+/-0.000 χ^2/NDF :398795.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1875945.6/26

Left In: 0.005+/-0.000 χ^2/NDF :425864.8/22

Left: 0.005+/-0.000 χ^2/NDF : 827475.4/47

Right: 0.005+/-0.000 χ^2/NDF : 3881541.1/48

In: 0.005+/-0.000 χ^2/NDF :2445080.0/44

Out: 0.005+/-0.000 χ^2/NDF :2276802.9/51

All: 0.005+/-0.000 χ^2/NDF : 4722756.4/96

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 1.894 $\pm$ 0.000 χ^2 /NDF: 51810397557.4/21

Left Out: 2.508 $\pm$ 0.000 χ^2 /NDF: 52355332406.0/24

Right Out: 1.773 $\pm$ 0.000 χ^2 /NDF: 67283306752.3/26

Left In: 2.548 $\pm$ 0.000 χ^2 /NDF: 45350336058.7/22

Left: 2.527 $\pm$ 0.000 χ^2 /NDF: 97963993742.3/47

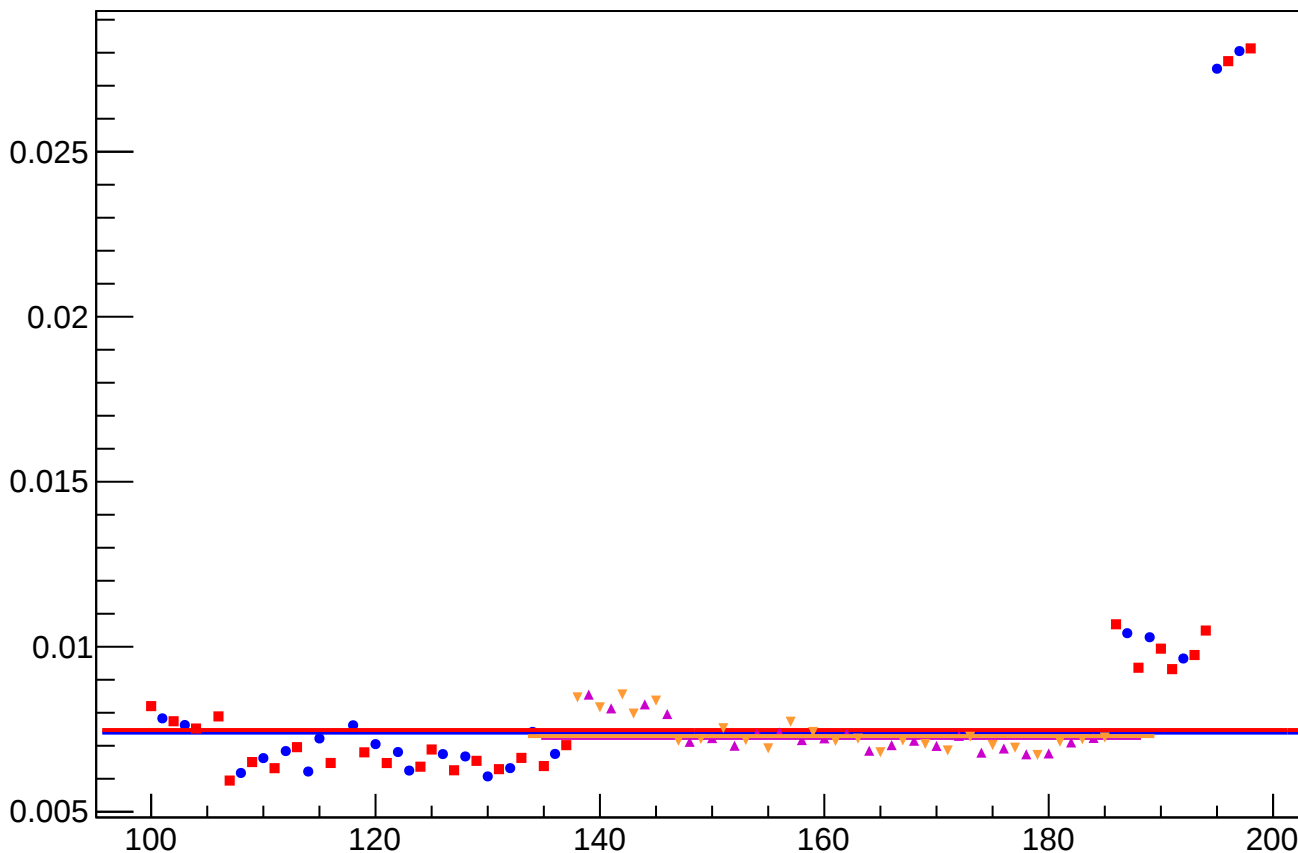
Right: 1.827 $\pm$ 0.000 χ^2 /NDF: 120328435666.9/48

In: 2.334 $\pm$ 0.000 χ^2 /NDF: 141415089803.1/44

Out: 2.241 $\pm$ 0.000 χ^2 /NDF: 184108967316.0/51

All: 2.285 $\pm$ 0.000 χ^2 /NDF: 327676270038.6

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 2029951.9/21

Left Out: 0.007+/-0.000 χ^2/NDF :140788.4/24

Right Out: 0.007+/-0.000 χ^2/NDF : 2387544.2/26

Left In: 0.007+/-0.000 χ^2/NDF :125233.2/22

Left: 0.007+/-0.000 χ^2/NDF : 266945.6/47

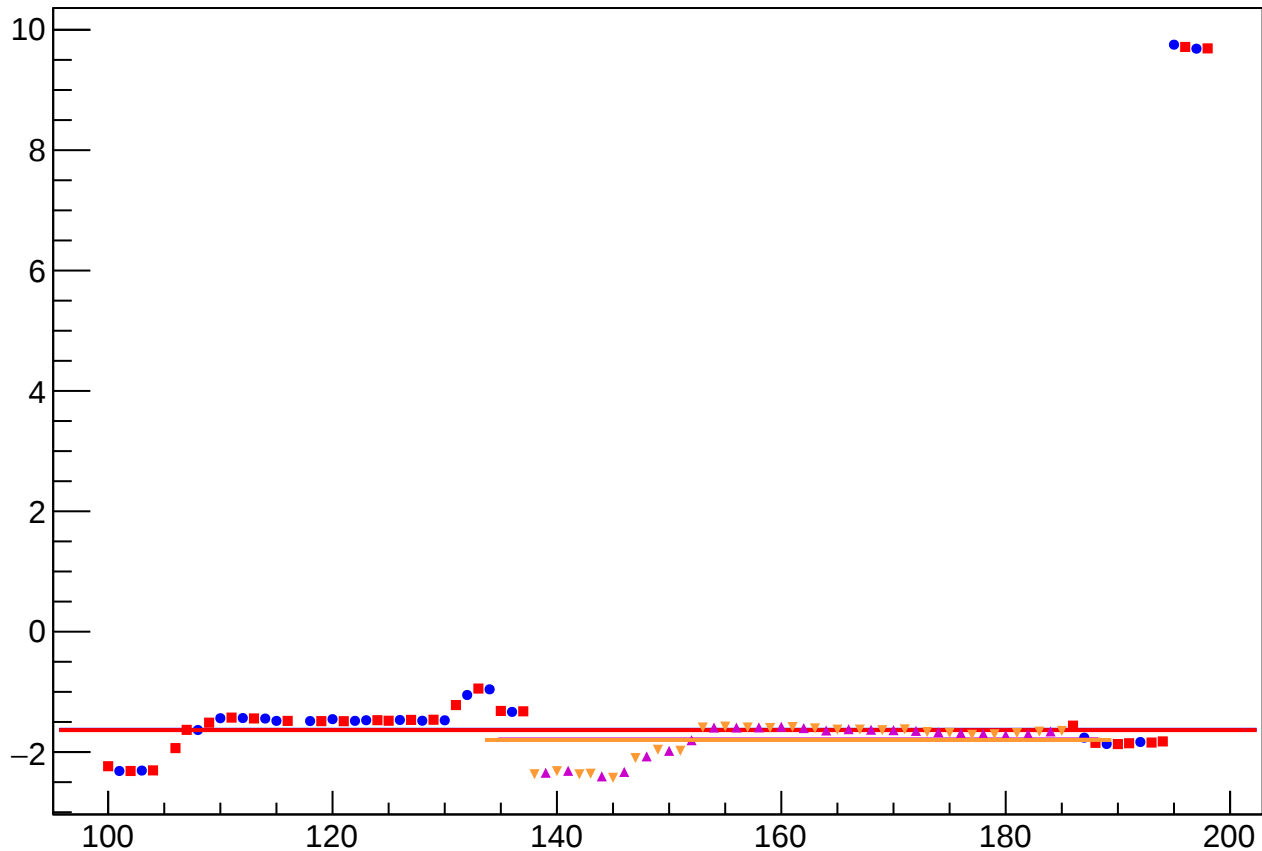
Right: 0.007+/-0.000 χ^2/NDF : 4418533.7/48

In: 0.007+/-0.000 χ^2/NDF :2160460.8/44

Out: 0.007+/-0.000 χ^2/NDF :2536463.3/51

All: 0.007+/-0.000 χ^2/NDF : 4699229.6/96

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.630+/-0.000 χ^2/NDF : 200266475207.5/21

Left Out: -1.799+/-0.000 χ^2/NDF : 185362087438.8/24

Right Out: -1.635+/-0.000 χ^2/NDF : 213293182194.8/26

Left In: -1.790+/-0.000 χ^2/NDF : 159648935510.8/22

Left: -1.795+/-0.000 χ^2/NDF : 345099435201.4/47

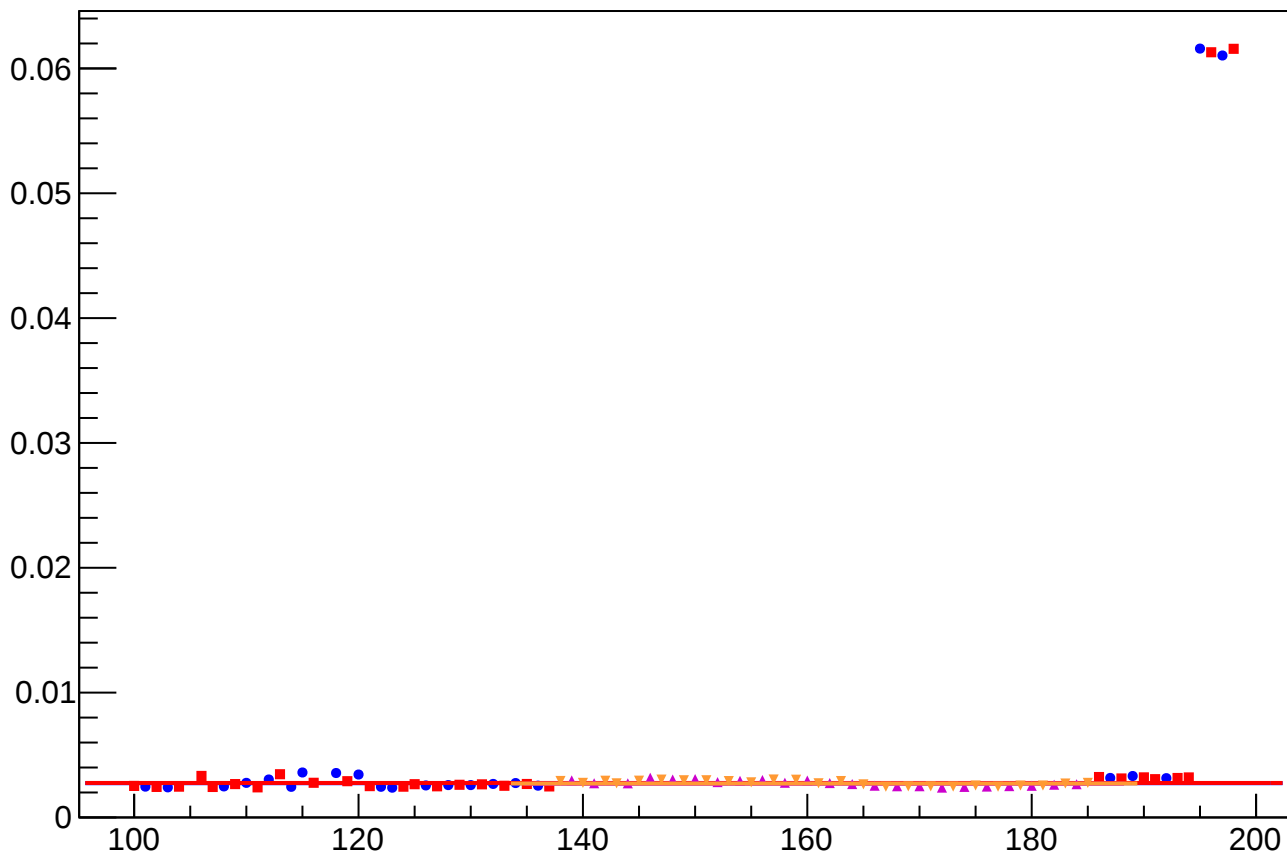
Right: -1.633+/-0.000 χ^2/NDF : 413574565581.1/48

In: -1.740+/-0.000 χ^2/NDF : 378192074959.0/44

Out: -1.741+/-0.000 χ^2/NDF : 420997987048.9/51

All: -1.741+/-0.000 χ^2/NDF : 799193086488.4

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF : 3063397.6/21

Left Out: 0.003+/-0.000 χ^2/NDF :199695.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 3177845.8/26

Left In: 0.003+/-0.000 χ^2/NDF :220327.9/22

Left: 0.003+/-0.000 χ^2/NDF : 420716.9/47

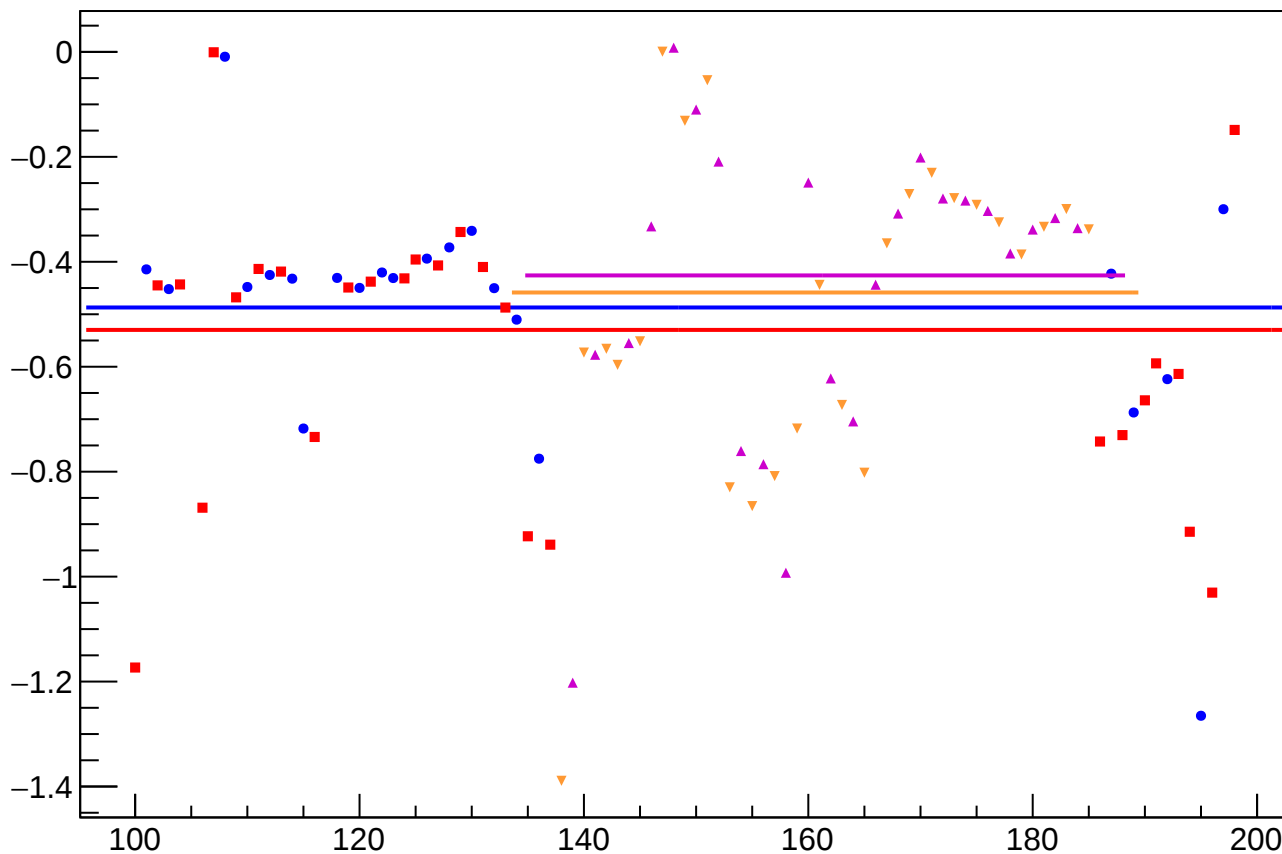
Right: 0.003+/-0.000 χ^2/NDF : 6241721.6/48

In: 0.003+/-0.000 χ^2/NDF :3286268.9/44

Out: 0.003+/-0.000 χ^2/NDF :3380959.3/51

All: 0.003+/-0.000 χ^2/NDF : 6668618.7/96

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.487+/-0.000 χ^2/NDF : 3448362454.2/21

Left Out: -0.459+/-0.000 χ^2/NDF : 9916462814.9/24

Right Out: -0.530+/-0.000 χ^2/NDF : 4551909082.1/26

Left In: -0.426+/-0.000 χ^2/NDF : 8424222576.0/22

Left: -0.443+/-0.000 χ^2/NDF : 18401926676.9/47

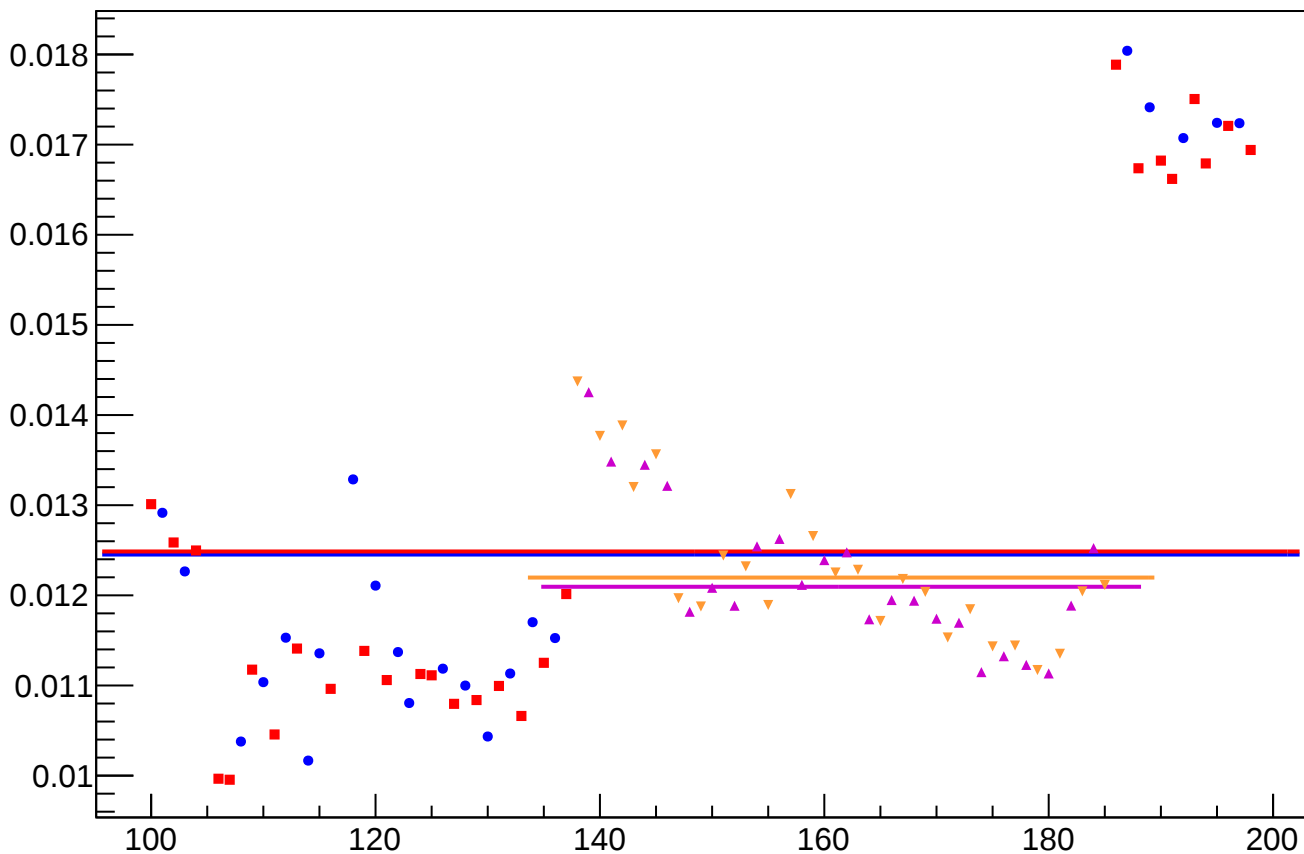
Right: -0.511+/-0.000 χ^2/NDF : 8060116735.5/48

In: -0.447+/-0.000 χ^2/NDF : 12017913282.8/44

Out: -0.486+/-0.000 χ^2/NDF : 14698194483.3/51

All: -0.467+/-0.000 χ^2/NDF : 26853169469.8/100

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 629986.6/21

Left Out: 0.012+/-0.000 χ^2/NDF :141850.9/24

Right Out: 0.012+/-0.000 χ^2/NDF : 983038.1/26

Left In: 0.012+/-0.000 χ^2/NDF :127308.3/22

Left: 0.012+/-0.000 χ^2/NDF : 270367.5/47

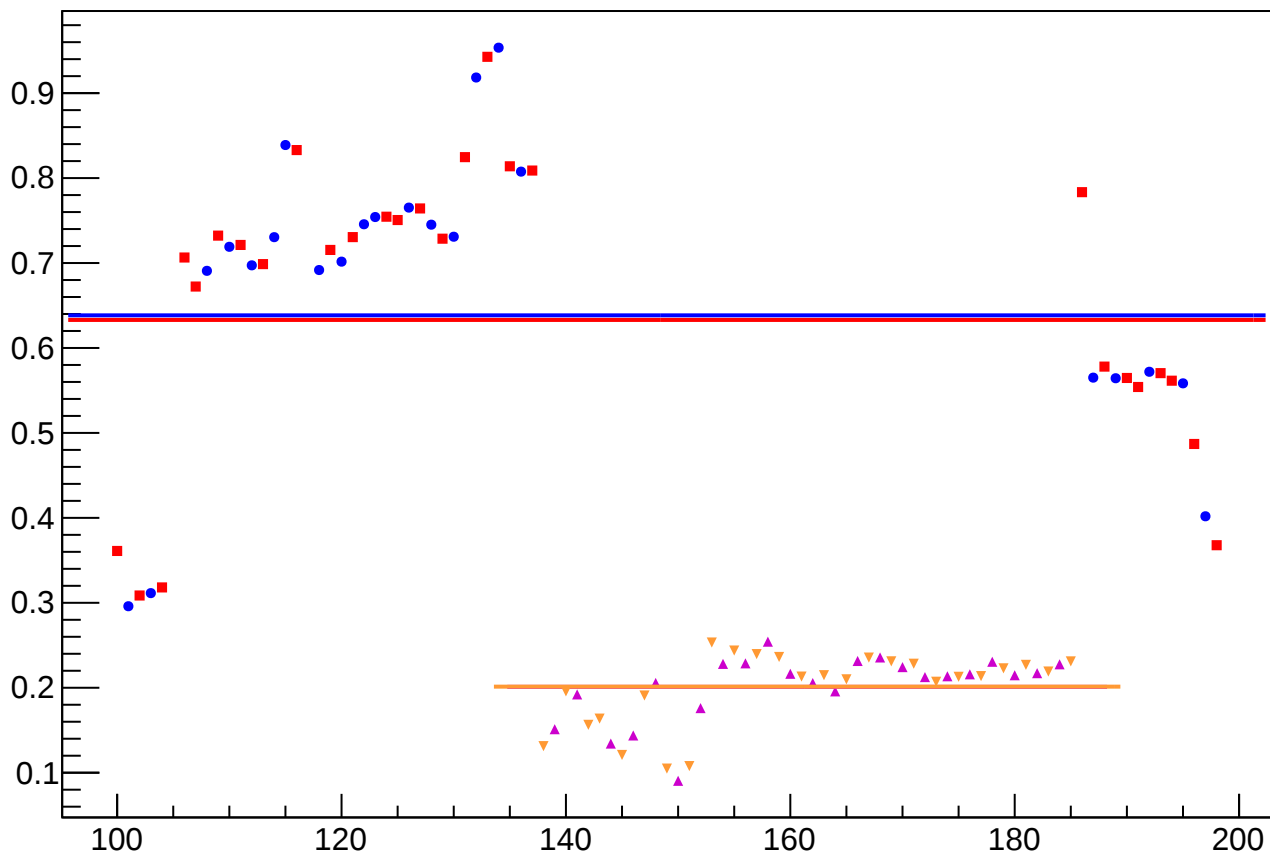
Right: 0.012+/-0.000 χ^2/NDF : 1613101.0/48

In: 0.012+/-0.000 χ^2/NDF :767243.4/44

Out: 0.012+/-0.000 χ^2/NDF :1132459.7/51

All: 0.012+/-0.000 χ^2/NDF : 1901182.5/96

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.638 $\pm$ 0.000 χ^2 /NDF: 46079215134.9/21

Left Out: 0.201 $\pm$ 0.000 χ^2 /NDF: 7090760823.7/24

Right Out: 0.633 $\pm$ 0.000 χ^2 /NDF: 49805597433.8/26

Left In: 0.201 $\pm$ 0.000 χ^2 /NDF: 5671770181.2/22

Left: 0.201 $\pm$ 0.000 χ^2 /NDF: 12762673178.0/47

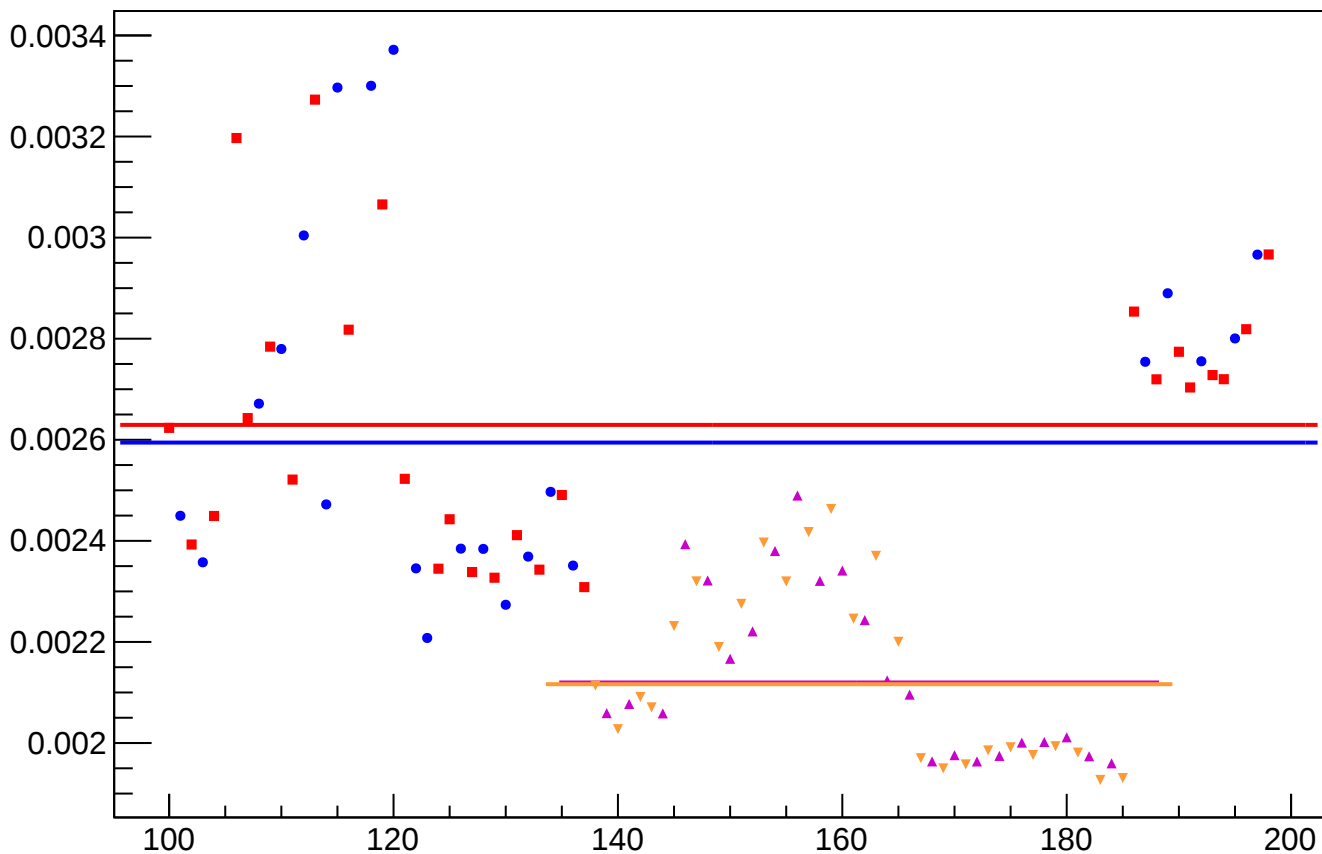
Right: 0.635 $\pm$ 0.000 χ^2 /NDF: 95906949895.6/48

In: 0.318 $\pm$ 0.000 χ^2 /NDF: 245849308400.6/44

Out: 0.328 $\pm$ 0.000 χ^2 /NDF: 277723582566.9/51

All: 0.323 $\pm$ 0.000 χ^2 /NDF: 523854206736.5

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF : 237351.2/21

Left Out: 0.002+/-0.000 χ^2/NDF :224498.3/24

Right Out: 0.003+/-0.000 χ^2/NDF : 190557.4/26

Left In: 0.002+/-0.000 χ^2/NDF :189228.6/22

Left: 0.002+/-0.000 χ^2/NDF : 413772.2/47

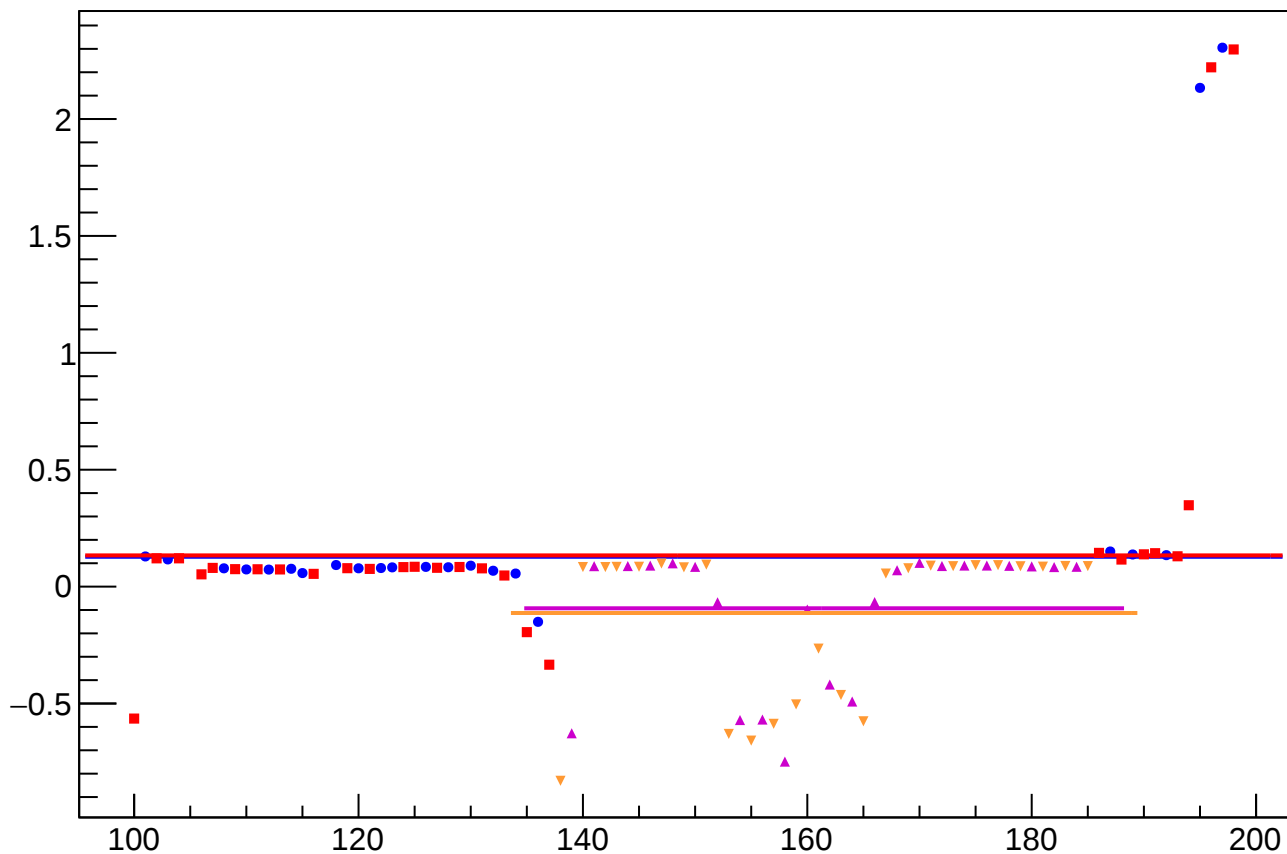
Right: 0.003+/-0.000 χ^2/NDF : 429761.7/48

In: 0.002+/-0.000 χ^2/NDF :883827.6/44

Out: 0.002+/-0.000 χ^2/NDF :1038855.9/51

All: 0.002+/-0.000 χ^2/NDF : 1924944.2/96

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.128+/-0.000

χ^2/NDF : 10891127330.2/21

Left: -0.103+/-0.000

χ^2/NDF : 24747894543.0/47

Left Out: -0.113+/-0.000

χ^2/NDF : 13667354077.1/24

Right: 0.131+/-0.000

χ^2/NDF : 25456832962.1/48

Right Out: 0.134+/-0.000

χ^2/NDF : 14564284448.9/26

In: -0.015+/-0.000

χ^2/NDF : 24320490575.3/44

Out: -0.016+/-0.000

χ^2/NDF : 31677280262.7/51

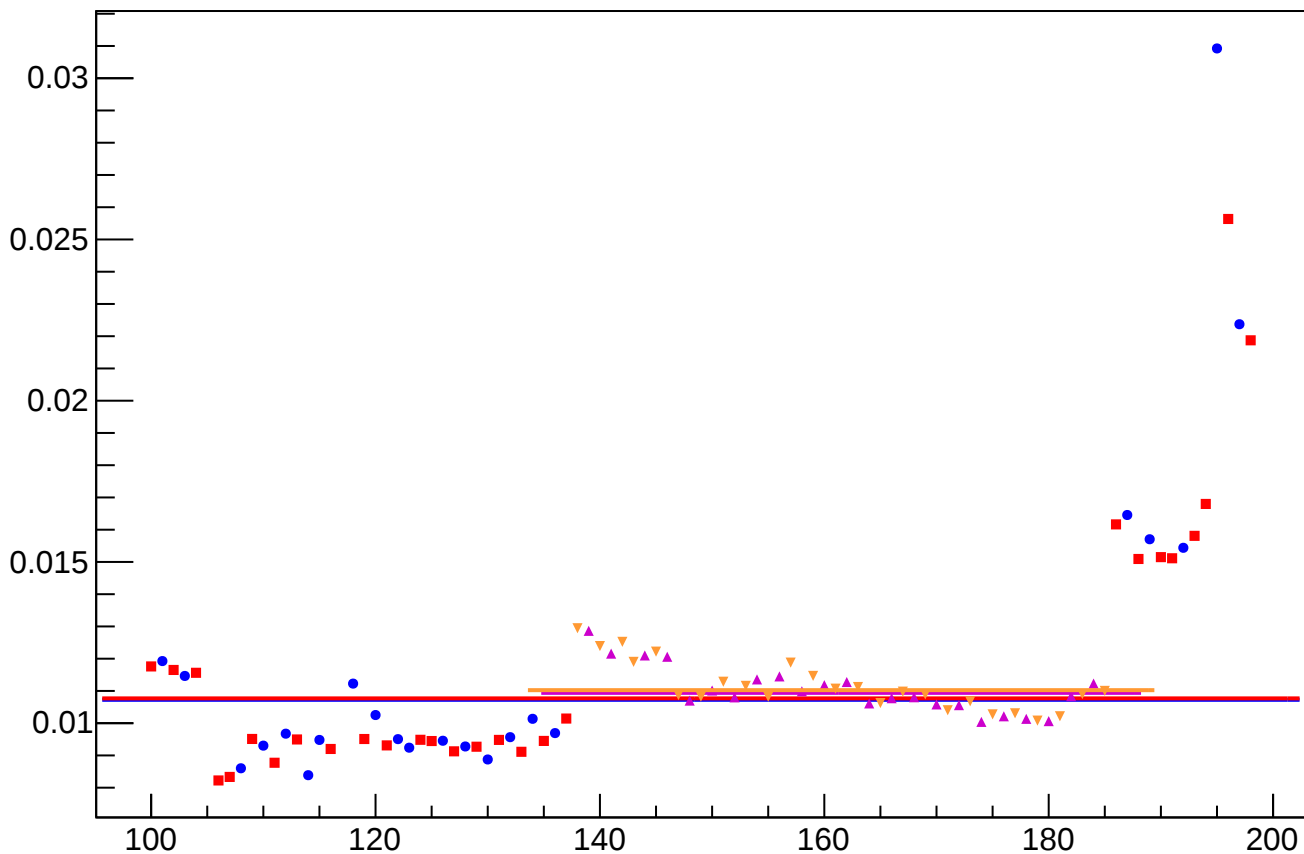
Left In: -0.093+/-0.000

χ^2/NDF : 11051944893.7/22

All: -0.016+/-0.000

χ^2/NDF : 55997951122.2/100

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 1627115.1/21

Left Out: 0.011+/-0.000 χ^2/NDF :141501.7/24

Right Out: 0.011+/-0.000 χ^2/NDF : 1984063.5/26

Left In: 0.011+/-0.000 χ^2/NDF :128914.2/22

Left: 0.011+/-0.000 χ^2/NDF : 271400.1/47

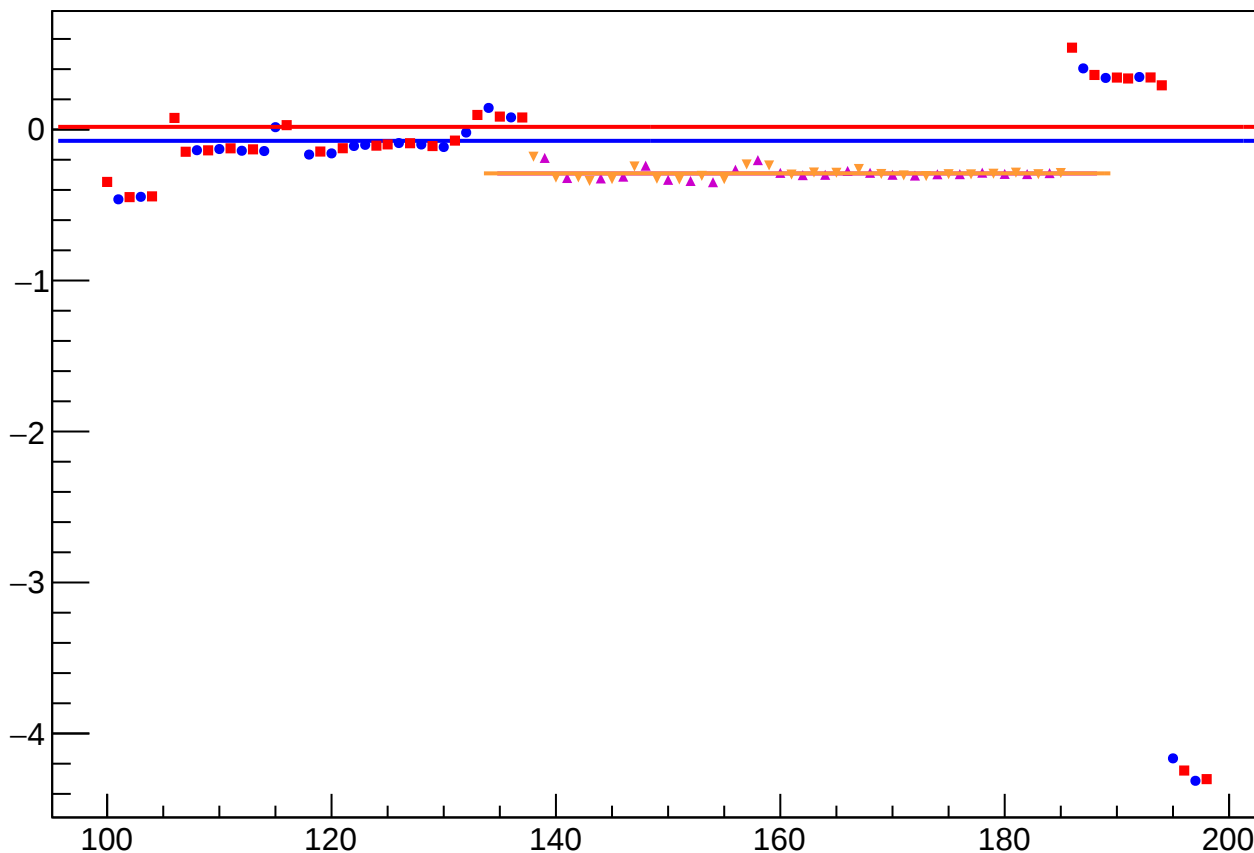
Right: 0.011+/-0.000 χ^2/NDF : 3611342.0/48

In: 0.011+/-0.000 χ^2/NDF :1760588.7/44

Out: 0.011+/-0.000 χ^2/NDF :2132948.0/51

All: 0.011+/-0.000 χ^2/NDF : 3894335.9/96

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.075+/-0.000 χ^2/NDF : 90518623233.2/21

Left Out: -0.290+/-0.000 χ^2/NDF : 2877519093.0/24

Right Out: 0.018+/-0.000 χ^2/NDF : 123260312406.1/26

Left In: -0.291+/-0.000 χ^2/NDF : 3125402243.3/22

Left: -0.291+/-0.000 χ^2/NDF : 6003615293.4/47

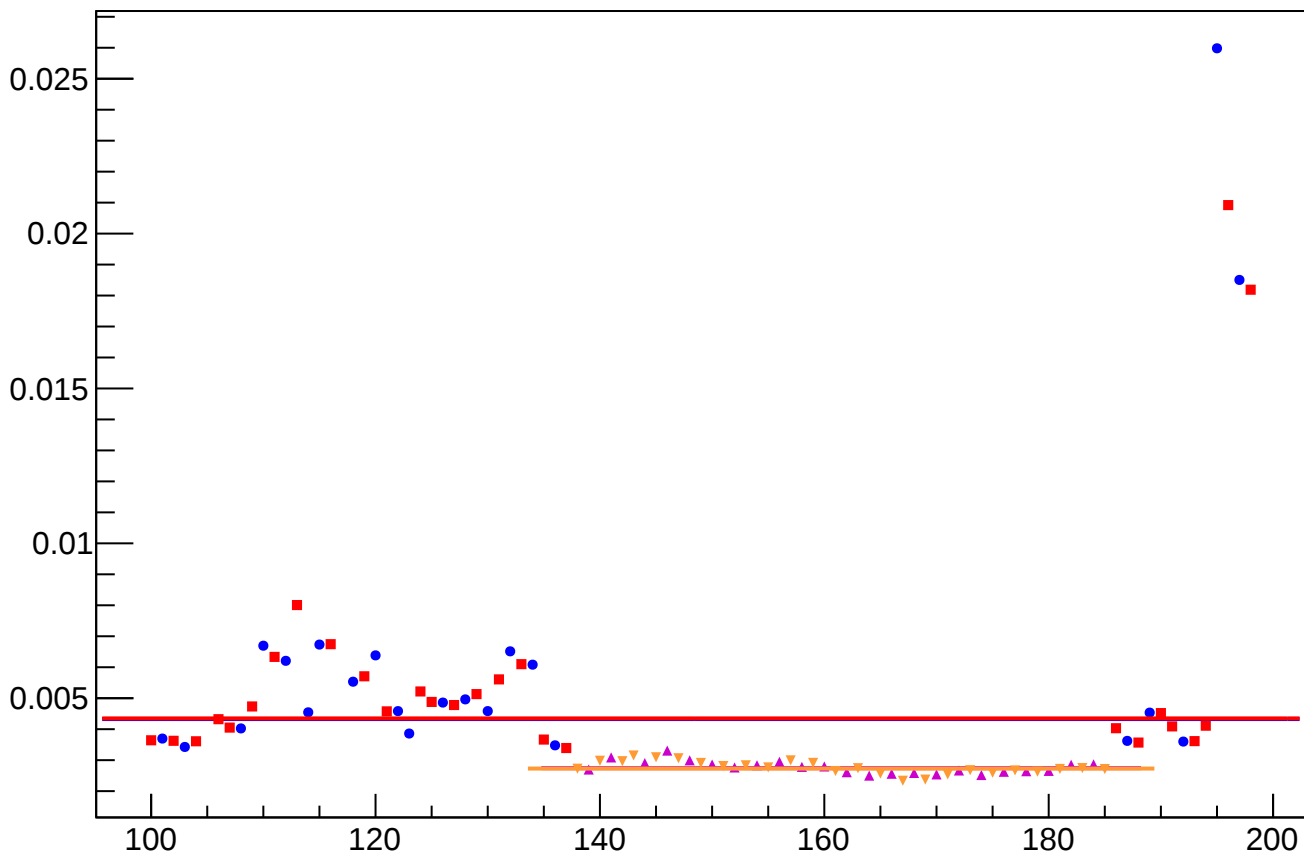
Right: -0.023+/-0.000 χ^2/NDF : 215757083741.0/48

In: -0.257+/-0.000 χ^2/NDF : 109939694776.8/44

Out: -0.235+/-0.000 χ^2/NDF : 166641627103.7/51

All: -0.245+/-0.000 χ^2/NDF : 277258043769.4

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 2682715.6/21

Left Out: 0.003+/-0.000 χ^2/NDF :206527.1/24

Right Out: 0.004+/-0.000 χ^2/NDF : 2692896.8/26

Left In: 0.003+/-0.000 χ^2/NDF :147778.8/22

Left: 0.003+/-0.000 χ^2/NDF : 354733.7/47

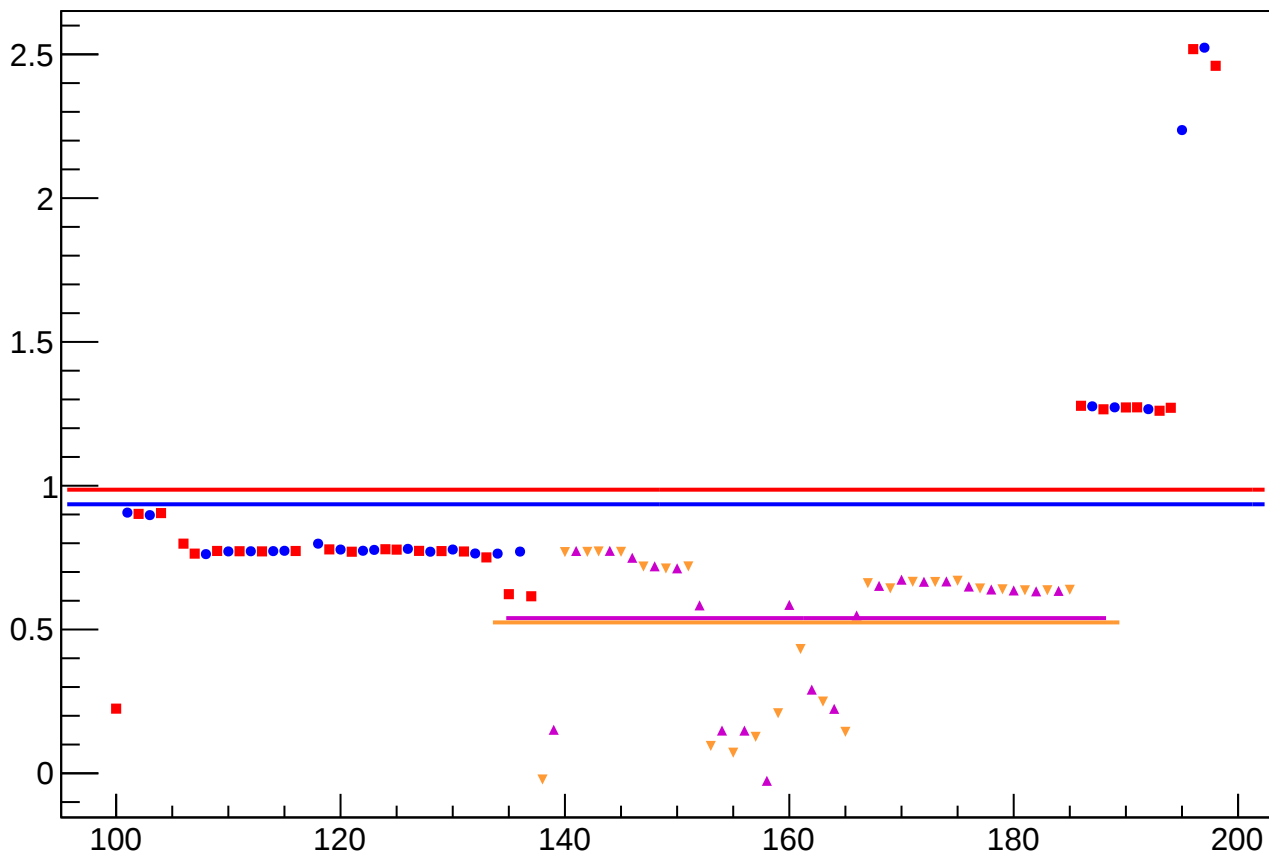
Right: 0.004+/-0.000 χ^2/NDF : 5375819.1/48

In: 0.003+/-0.000 χ^2/NDF :4580851.3/44

Out: 0.003+/-0.000 χ^2/NDF :5138552.9/51

All: 0.003+/-0.000 χ^2/NDF : 9721563.0/96

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.935 $\pm$ 0.000 χ^2 /NDF: 10674819401.3/21

Left Out: 0.525 $\pm$ 0.000 χ^2 /NDF: 9623503169.9/24

Right Out: 0.986 $\pm$ 0.000 χ^2 /NDF: 18459987699.0/26

Left In: 0.540 $\pm$ 0.000 χ^2 /NDF: 7860539135.5/22

Left: 0.532 $\pm$ 0.000 χ^2 /NDF: 17500739852.2/47

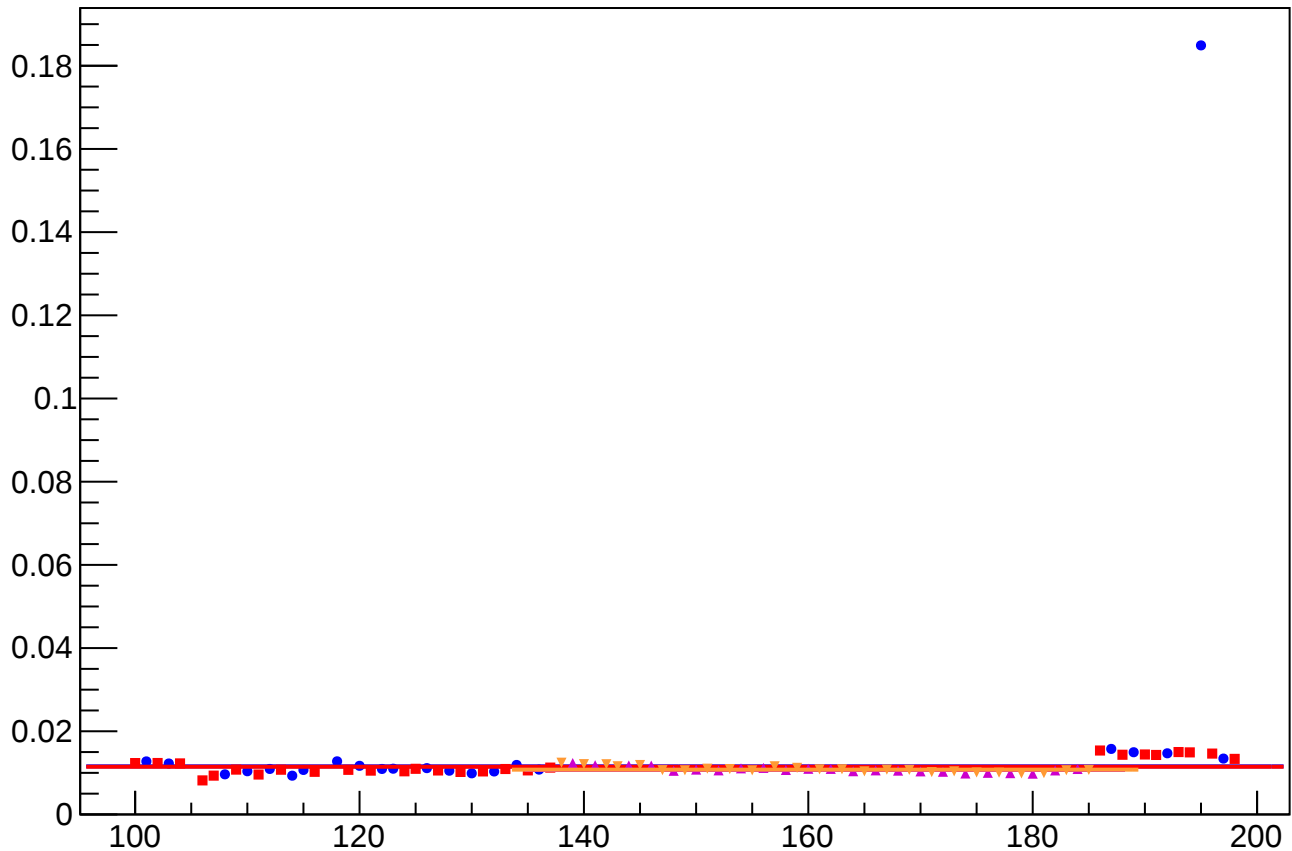
Right: 0.964 $\pm$ 0.000 χ^2 /NDF: 29227961682.2/48

In: 0.660 $\pm$ 0.000 χ^2 /NDF: 25494293433.7/44

Out: 0.688 $\pm$ 0.000 χ^2 /NDF: 39563146069.8/51

All: 0.675 $\pm$ 0.000 χ^2 /NDF: 65142434107.8/95

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1788236.2/21

Left Out: 0.011+/-0.000 χ^2/NDF :131630.9/24

Right Out: 0.011+/-0.000 χ^2/NDF : 616839.0/26

Left In: 0.011+/-0.000 χ^2/NDF :119273.2/22

Left: 0.011+/-0.000 χ^2/NDF : 251802.6/47

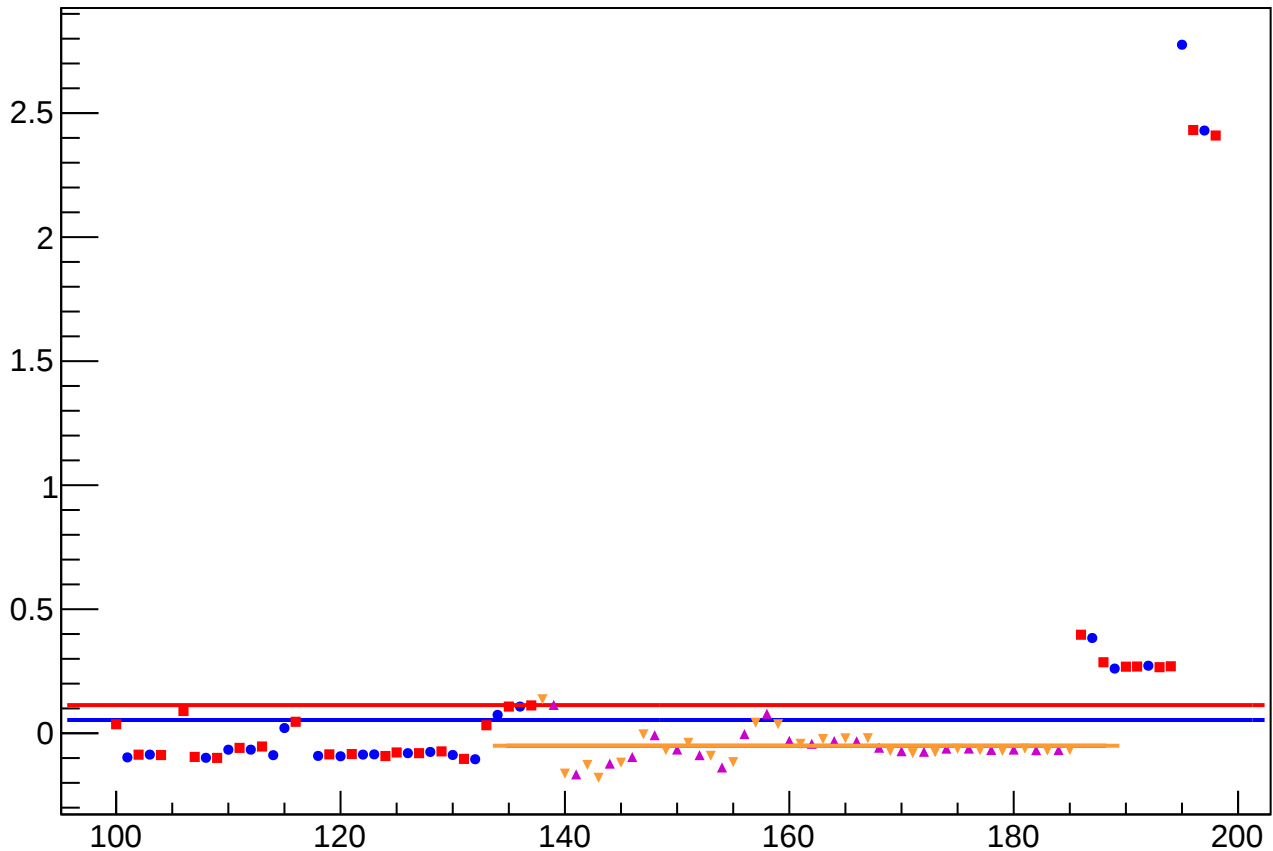
Right: 0.012+/-0.000 χ^2/NDF : 2405748.4/48

In: 0.011+/-0.000 χ^2/NDF :1975277.8/44

Out: 0.011+/-0.000 χ^2/NDF :801179.4/51

All: 0.011+/-0.000 χ^2/NDF : 2777228.1/96

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.053 ± 0.000 $\chi^2/\text{NDF}: 29634672054.4/21$

Left Out: -0.050 ± 0.000 $\chi^2/\text{NDF}: 7271496478.6/24$

Right Out: 0.113 ± 0.000 $\chi^2/\text{NDF}: 48557624108.5/26$

Left In: -0.051 ± 0.000 $\chi^2/\text{NDF}: 6128769990.8/22$

Left: -0.050 ± 0.000 $\chi^2/\text{NDF}: 13400329490.2/47$

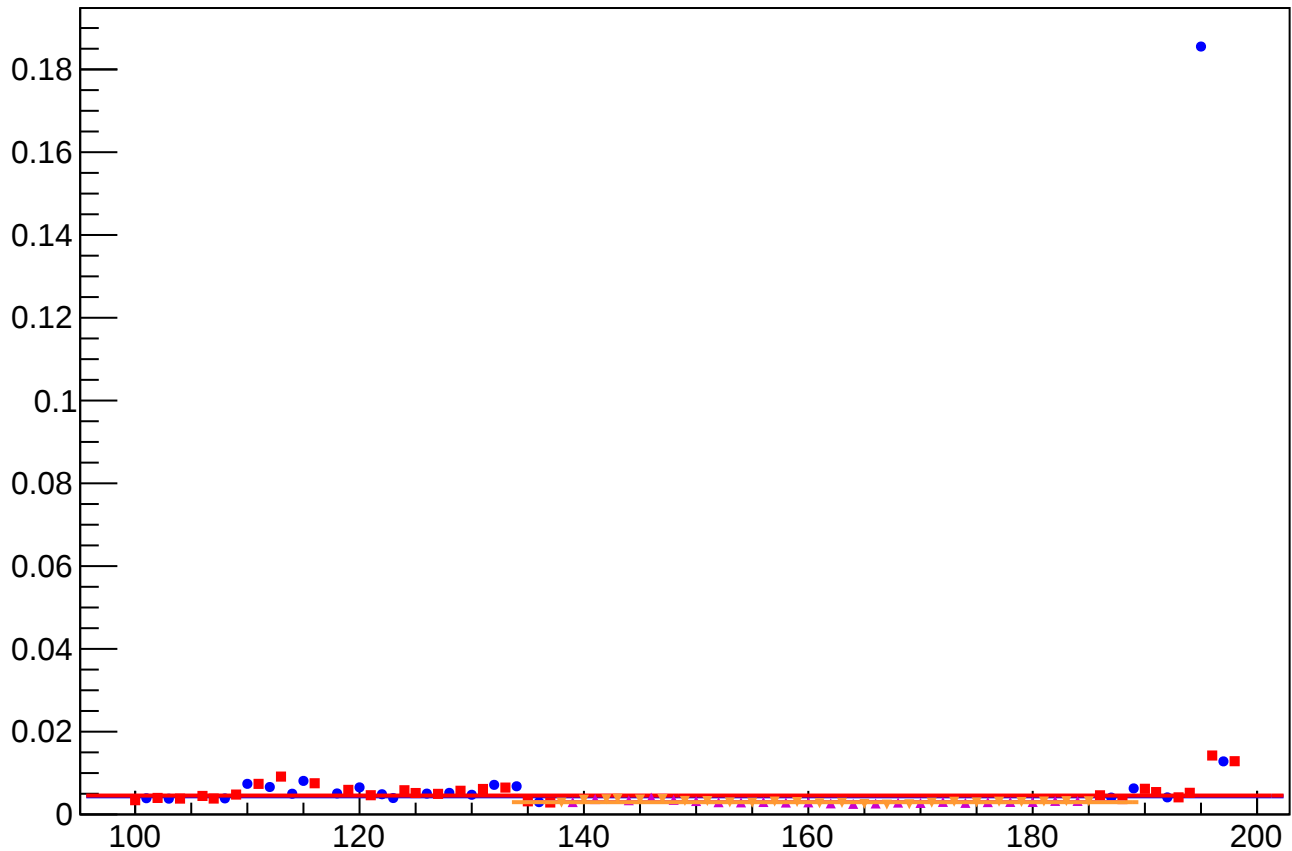
Right: 0.086 ± 0.000 $\chi^2/\text{NDF}: 78931110779.0/48$

In: -0.032 ± 0.000 $\chi^2/\text{NDF}: 39134581528.5/44$

Out: -0.020 ± 0.000 $\chi^2/\text{NDF}: 65580454398.4/51$

All: -0.026 ± 0.000 $\chi^2/\text{NDF}: 104898757054.0$

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 3118321.4/21

Left Out: 0.003+/-0.000 χ^2/NDF : 499039.1/24

Right Out: 0.005+/-0.000 χ^2/NDF : 2164346.2/26

Left In: 0.003+/-0.000 χ^2/NDF : 329068.1/22

Left: 0.003+/-0.000 χ^2/NDF : 831077.6/47

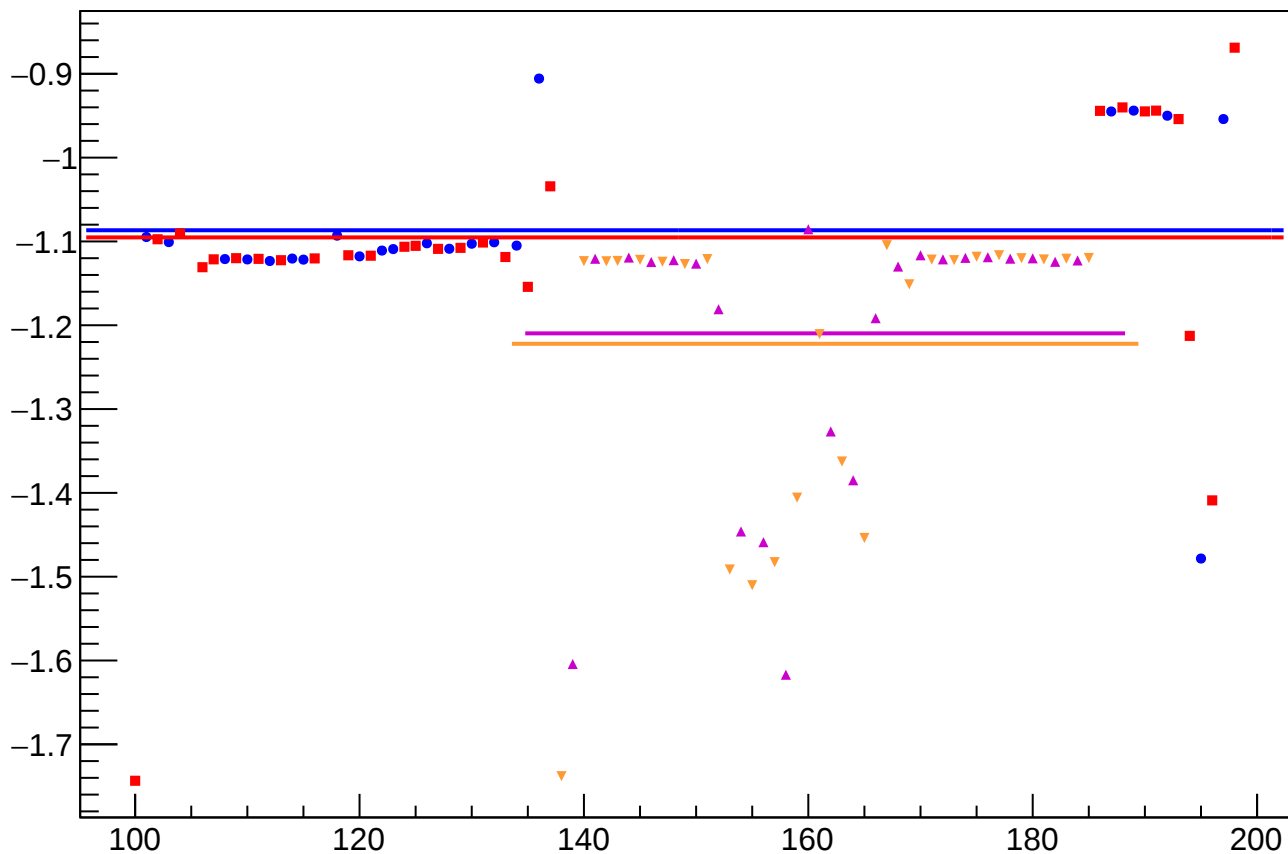
Right: 0.004+/-0.000 χ^2/NDF : 5298457.1/48

In: 0.003+/-0.000 χ^2/NDF : 4613429.9/44

Out: 0.003+/-0.000 χ^2/NDF : 4533519.3/51

All: 0.003+/-0.000 χ^2/NDF : 9147946.2/96

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -1.087 ± 0.000 $\chi^2/\text{NDF}: 1208293123.5/21$

Left Out: -1.222 ± 0.000 $\chi^2/\text{NDF}: 5279548861.3/24$

Right Out: -1.095 ± 0.000 $\chi^2/\text{NDF}: 1394087870.6/26$

Left In: -1.210 ± 0.000 $\chi^2/\text{NDF}: 4502367902.8/22$

Left: -1.216 ± 0.000 $\chi^2/\text{NDF}: 9796254294.5/47$

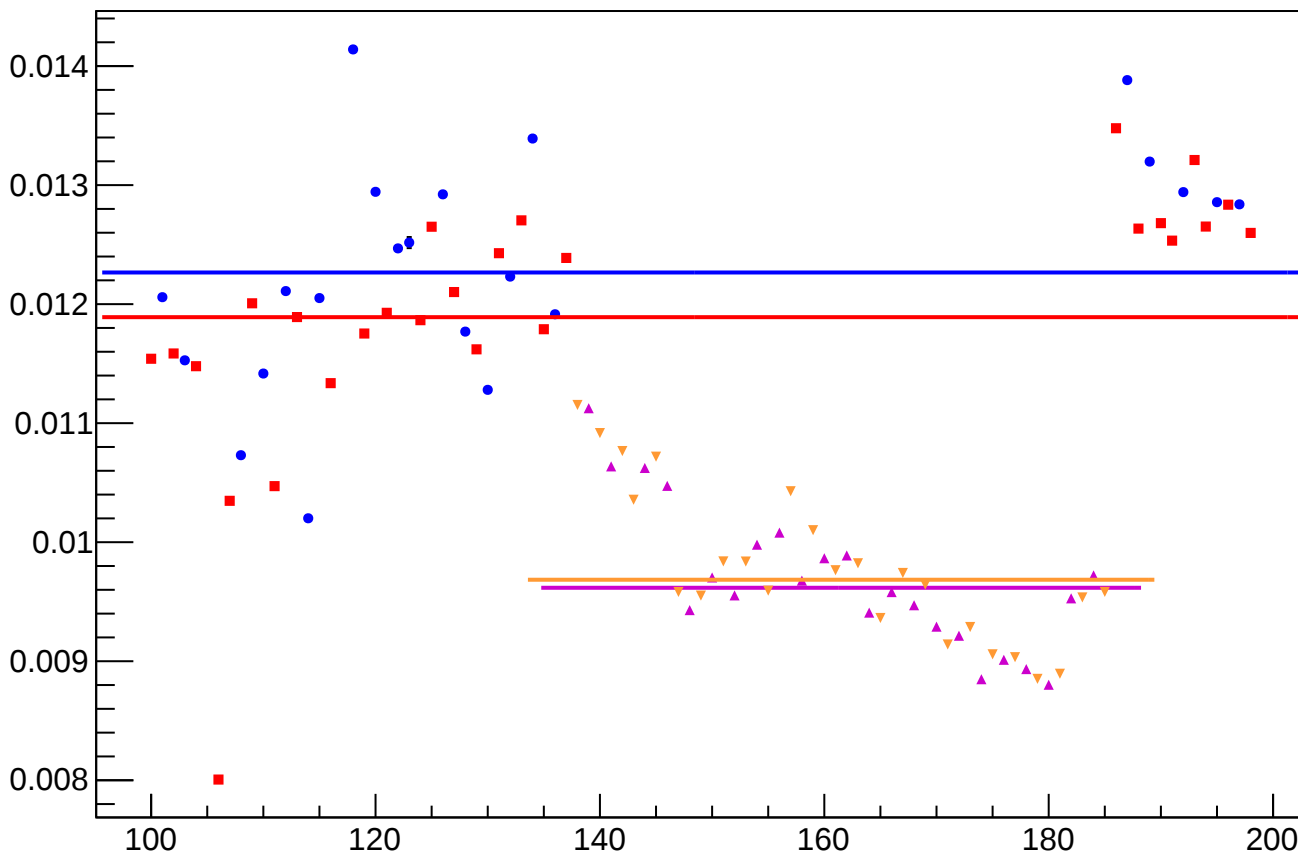
Right: -1.092 ± 0.000 $\chi^2/\text{NDF}: 2604973919.7/48$

In: -1.178 ± 0.000 $\chi^2/\text{NDF}: 6415180495.1/44$

Out: -1.183 ± 0.000 $\chi^2/\text{NDF}: 7604345962.1/51$

All: -1.181 ± 0.000 $\chi^2/\text{NDF}: 14023182847.7/100$

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 85525.4/21

Left Out: 0.010+/-0.000 χ^2/NDF :134863.6/24

Right Out: 0.012+/-0.000 χ^2/NDF : 234973.8/26

Left In: 0.010+/-0.000 χ^2/NDF :119823.1/22

Left: 0.010+/-0.000 χ^2/NDF : 255532.7/47

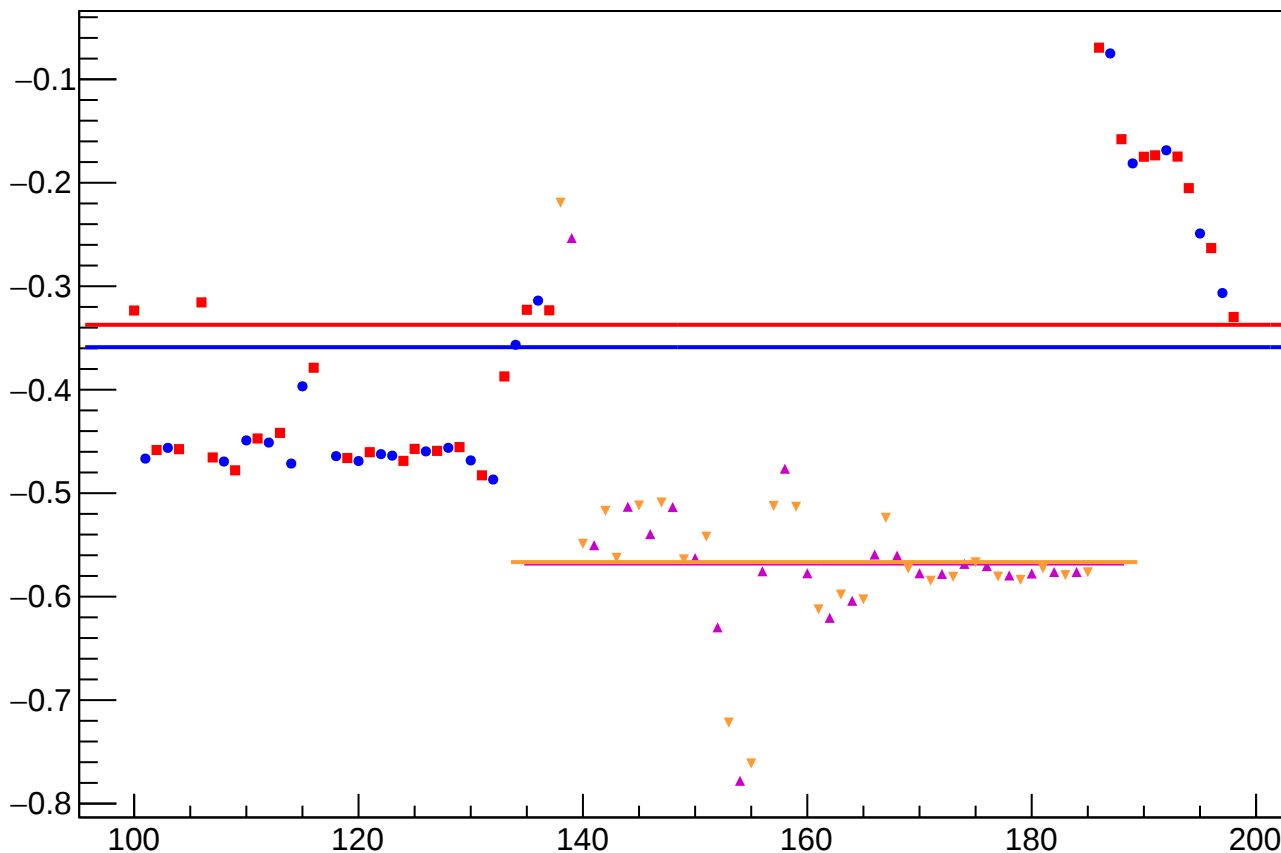
Right: 0.012+/-0.000 χ^2/NDF : 330567.1/48

In: 0.010+/-0.000 χ^2/NDF :858727.8/44

Out: 0.010+/-0.000 χ^2/NDF :932032.2/51

All: 0.010+/-0.000 χ^2/NDF : 1791683.4/96

yield_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -0.359 ± 0.000 $\chi^2/\text{NDF}: 7501788579.4/21$

Left Out: -0.567 ± 0.000 $\chi^2/\text{NDF}: 13368458519.3/24$

Right Out: -0.337 ± 0.000 $\chi^2/\text{NDF}: 10321135563.8/26$

Left In: -0.568 ± 0.000 $\chi^2/\text{NDF}: 10458990019.9/22$

Left: -0.567 ± 0.000 $\chi^2/\text{NDF}: 23829000396.4/47$

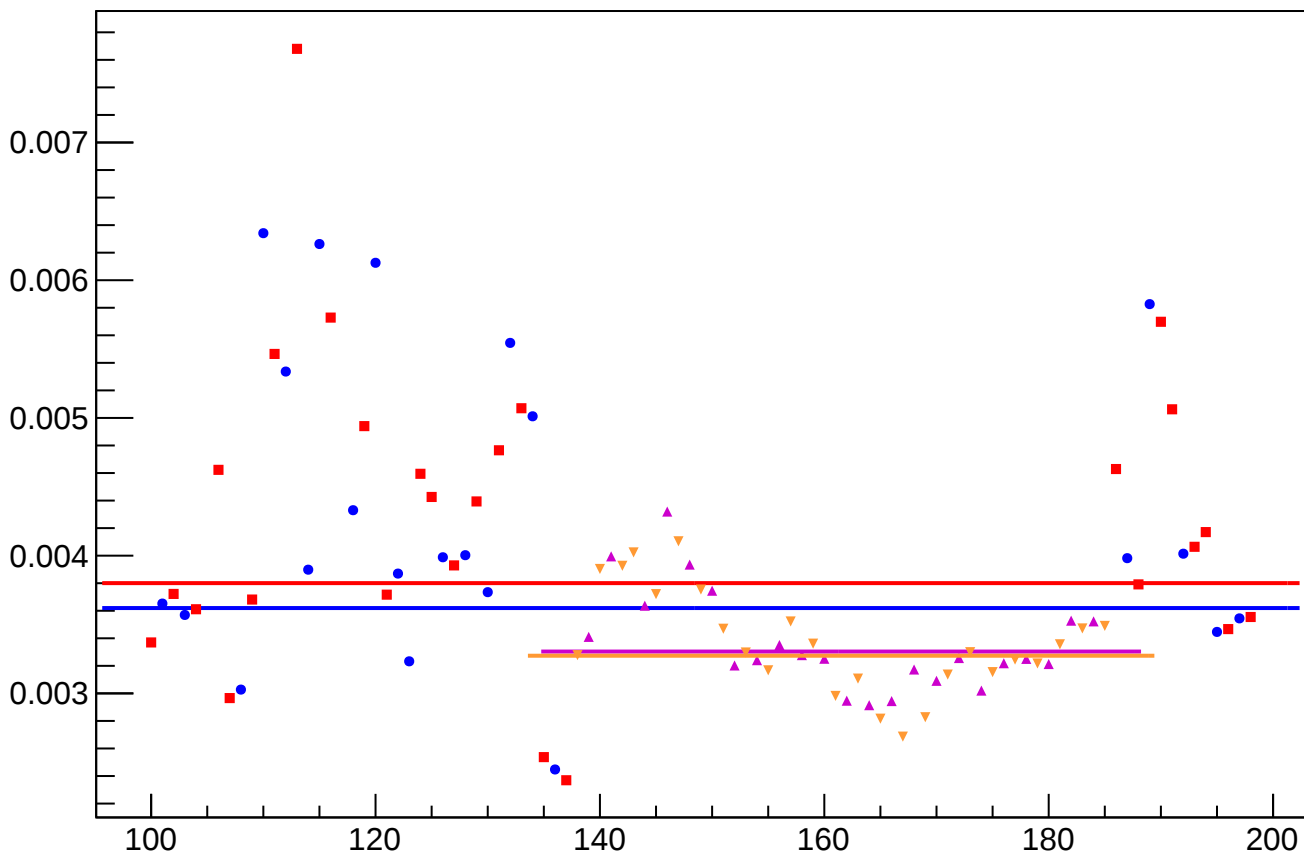
Right: -0.347 ± 0.000 $\chi^2/\text{NDF}: 17981326368.7/48$

In: -0.505 ± 0.000 $\chi^2/\text{NDF}: 37342388792.7/44$

Out: -0.495 ± 0.000 $\chi^2/\text{NDF}: 50025941349.7/51$

All: -0.500 ± 0.000 $\chi^2/\text{NDF}: 87489059737.4/100$

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 991805.7/21

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:394865.4/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 1054418.2/26

Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:286064.1/22

Left: 0.003 $\pm$ 0.000 χ^2 /NDF: 682340.4/47

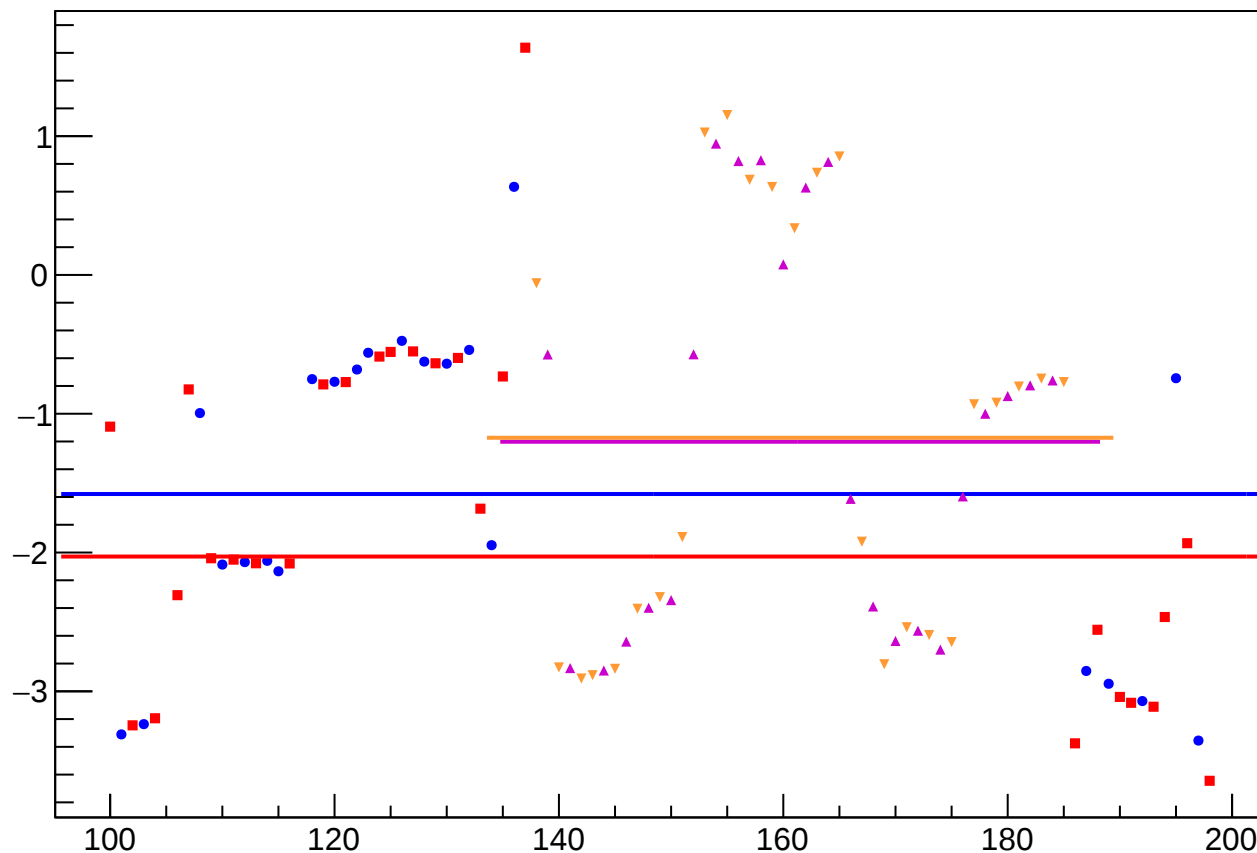
Right: 0.004 $\pm$ 0.000 χ^2 /NDF: 2068421.6/48

In: 0.003 $\pm$ 0.000 χ^2 /NDF:1366320.7/44

Out: 0.003 $\pm$ 0.000 χ^2 /NDF:1727661.2/51

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3097503.3/96

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.578+/-0.000 χ^2/NDF : 3184393241.0/21

Left Out: -1.173+/-0.000 χ^2/NDF : 6882684653.2/24

Right Out: -2.029+/-0.000 χ^2/NDF : 2838020600.7/26

Left In: -1.202+/-0.000 χ^2/NDF : 5606782515.9/22

Left: -1.187+/-0.000 χ^2/NDF : 12490828303.3/47

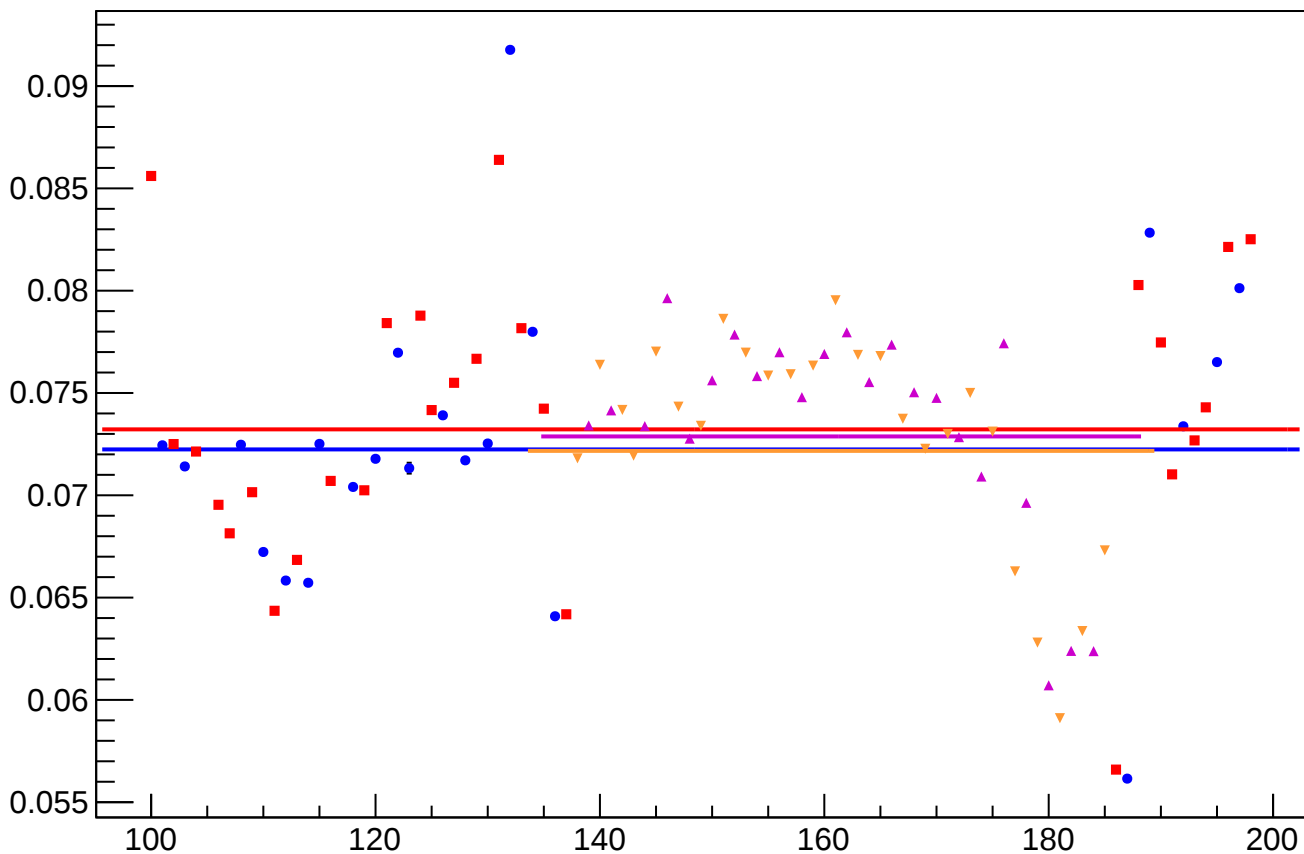
Right: -1.825+/-0.000 χ^2/NDF : 6226037321.4/48

In: -1.339+/-0.000 χ^2/NDF : 8956436629.1/44

Out: -1.507+/-0.000 χ^2/NDF : 10709937553.5/51

All: -1.428+/-0.000 χ^2/NDF : 19741583071.0/79

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.072+/-0.000 χ^2/NDF : 139010.6/21

Left Out: 0.072+/-0.000 χ^2/NDF :222263.8/24

Right Out: 0.073+/-0.000 χ^2/NDF : 191171.8/26

Left In: 0.073+/-0.000 χ^2/NDF :183503.0/22

Left: 0.073+/-0.000 χ^2/NDF : 407423.5/47

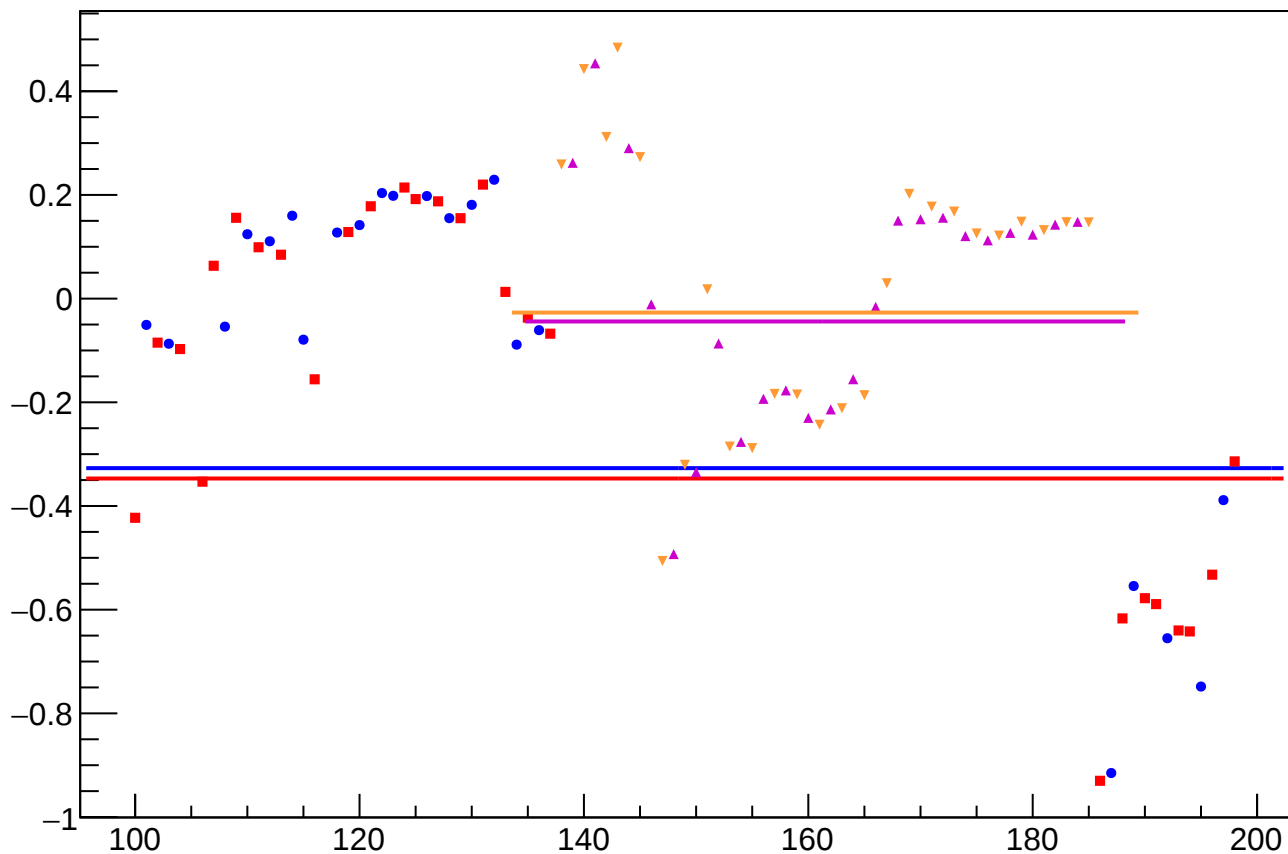
Right: 0.073+/-0.000 χ^2/NDF : 332109.5/48

In: 0.073+/-0.000 χ^2/NDF :323452.7/44

Out: 0.073+/-0.000 χ^2/NDF :416421.5/51

All: 0.073+/-0.000 χ^2/NDF : 739896.3/96

yield_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -0.327 ± 0.000 $\chi^2/\text{NDF}: 11991644534.5/21$

Left Out: -0.027 ± 0.000 $\chi^2/\text{NDF}: 20376761328.6/24$

Right Out: -0.347 ± 0.000 $\chi^2/\text{NDF}: 10917282278.8/26$

Left In: -0.044 ± 0.000 $\chi^2/\text{NDF}: 15718556282.1/22$

Left: -0.035 ± 0.000 $\chi^2/\text{NDF}: 36148383394.4/47$

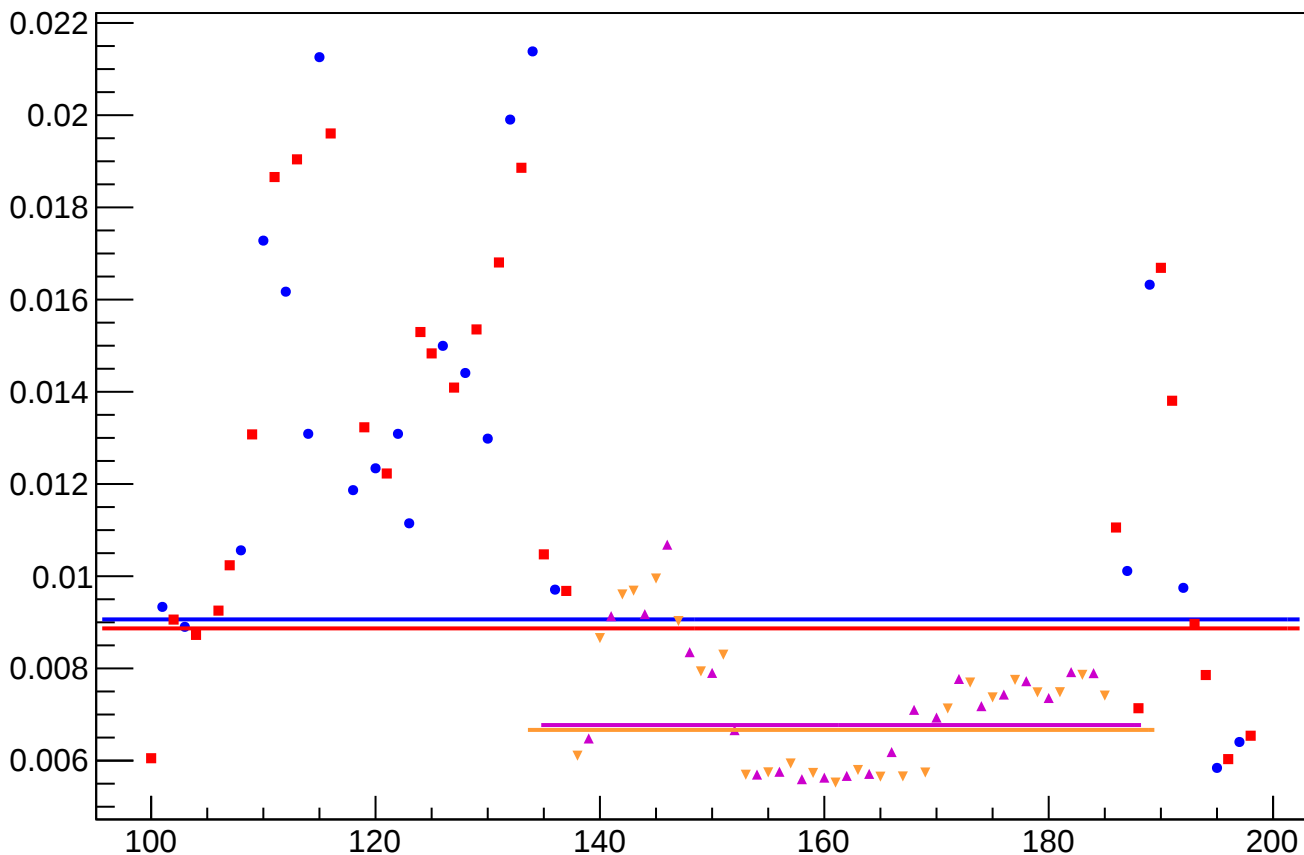
Right: -0.338 ± 0.000 $\chi^2/\text{NDF}: 22930705996.8/48$

In: -0.106 ± 0.000 $\chi^2/\text{NDF}: 33791624227.2/44$

Out: -0.106 ± 0.000 $\chi^2/\text{NDF}: 40841792909.0/51$

All: -0.106 ± 0.000 $\chi^2/\text{NDF}: 74633478940.7/100$

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 2103745.0/21

Left Out: 0.007+/-0.000 χ^2/NDF :1143768.6/24

Right Out: 0.009+/-0.000 χ^2/NDF : 2504297.2/26

Left In: 0.007+/-0.000 χ^2/NDF :934050.3/22

Left: 0.007+/-0.000 χ^2/NDF : 2081836.1/47

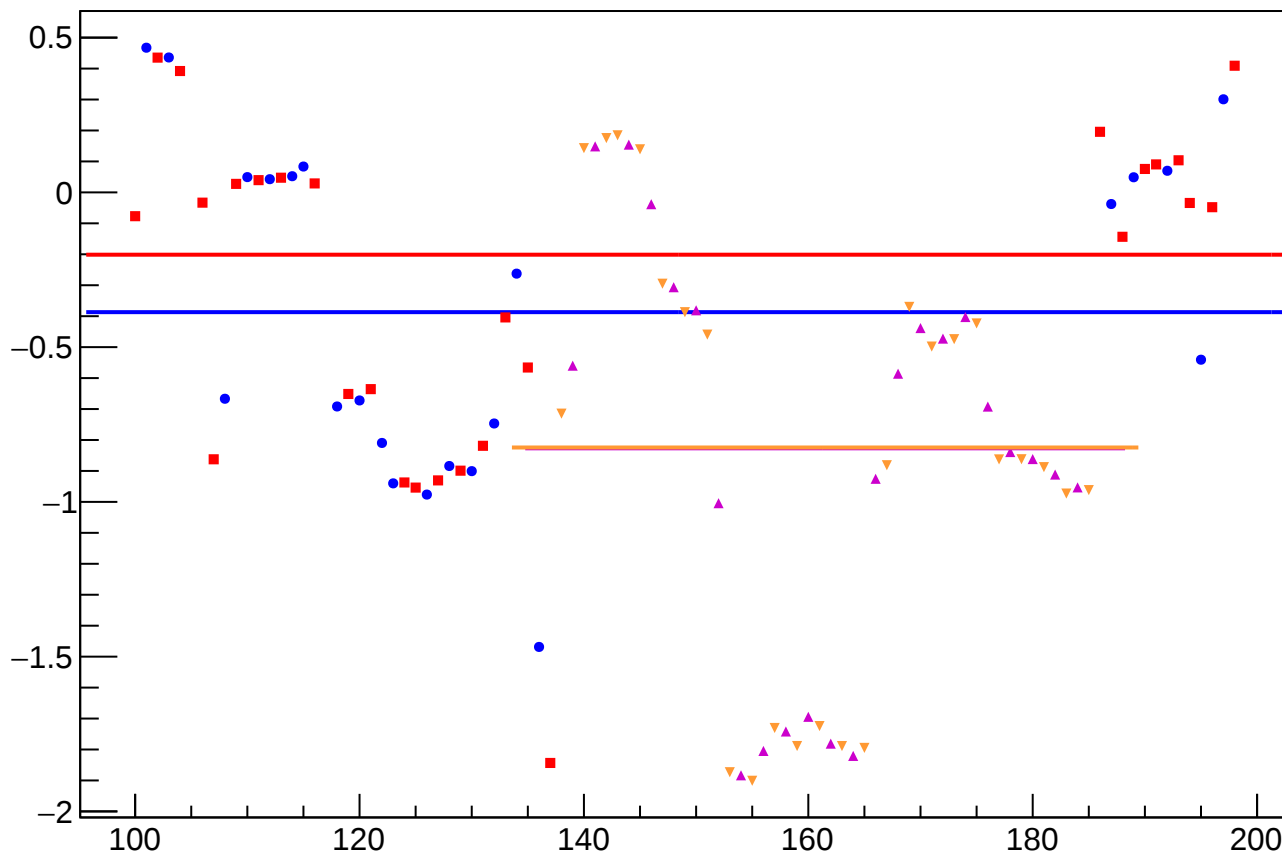
Right: 0.009+/-0.000 χ^2/NDF : 4612209.4/48

In: 0.007+/-0.000 χ^2/NDF :3835785.8/44

Out: 0.007+/-0.000 χ^2/NDF :4551617.9/51

All: 0.007+/-0.000 χ^2/NDF : 8389522.9/96

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.387+/-0.000 χ^2/NDF : 423622308.8/21

Left Out: -0.824+/-0.000 χ^2/NDF : 1103610806.5/24

Right Out: -0.201+/-0.000 χ^2/NDF : 355592567.1/26

Left In: -0.827+/-0.000 χ^2/NDF : 921651117.3/22

Left: -0.826+/-0.000 χ^2/NDF : 2025270716.0/47

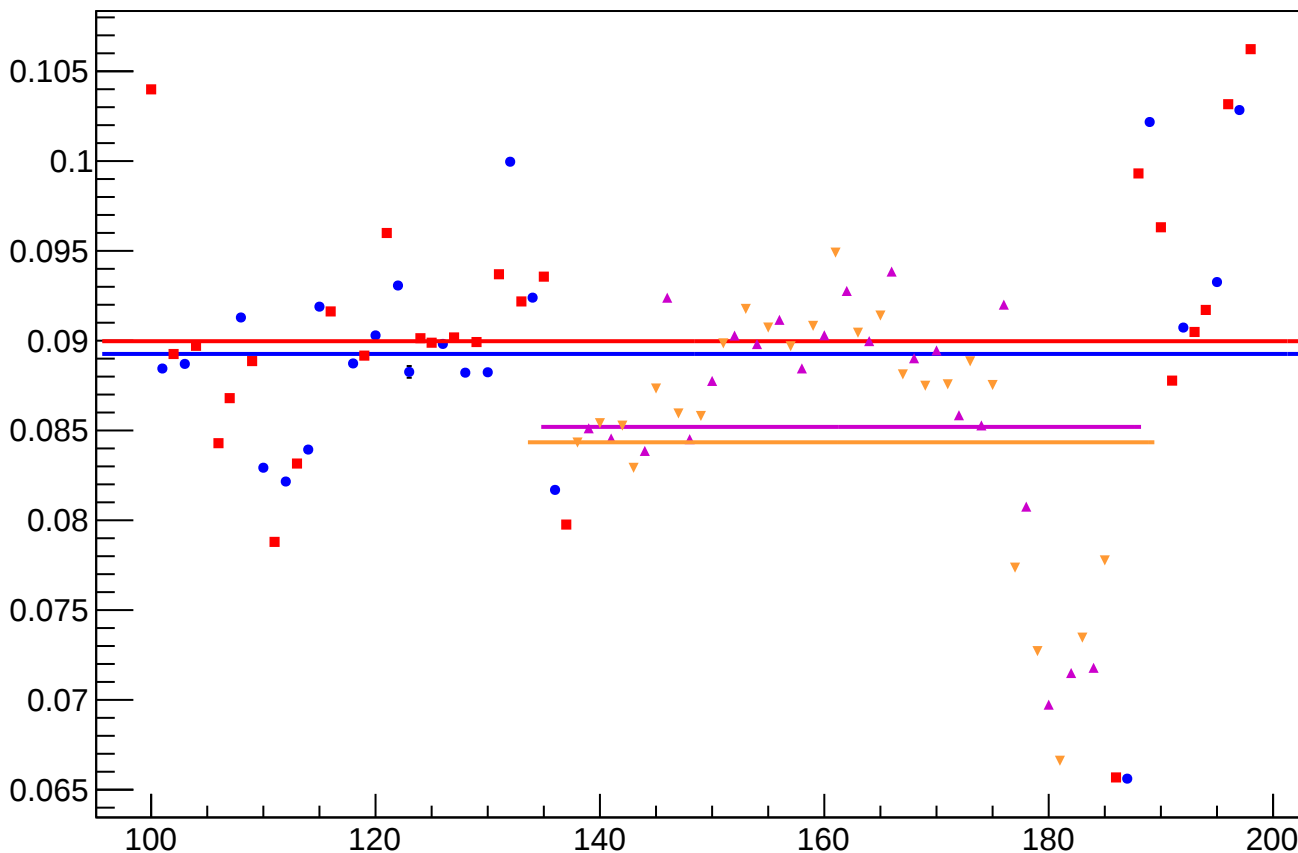
Right: -0.285+/-0.000 χ^2/NDF : 802256276.5/48

In: -0.677+/-0.000 χ^2/NDF : 1500696554.0/44

Out: -0.595+/-0.000 χ^2/NDF : 1823375850.4/51

All: -0.634+/-0.000 χ^2/NDF : 3336745196.8/9

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.089 $\pm$ 0.000 χ^2 /NDF: 120807.4/21

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF:288312.6/24

Right Out: 0.090 $\pm$ 0.000 χ^2 /NDF: 229890.1/26

Left In: 0.085 $\pm$ 0.000 χ^2 /NDF:238313.9/22

Left: 0.085 $\pm$ 0.000 χ^2 /NDF: 528427.1/47

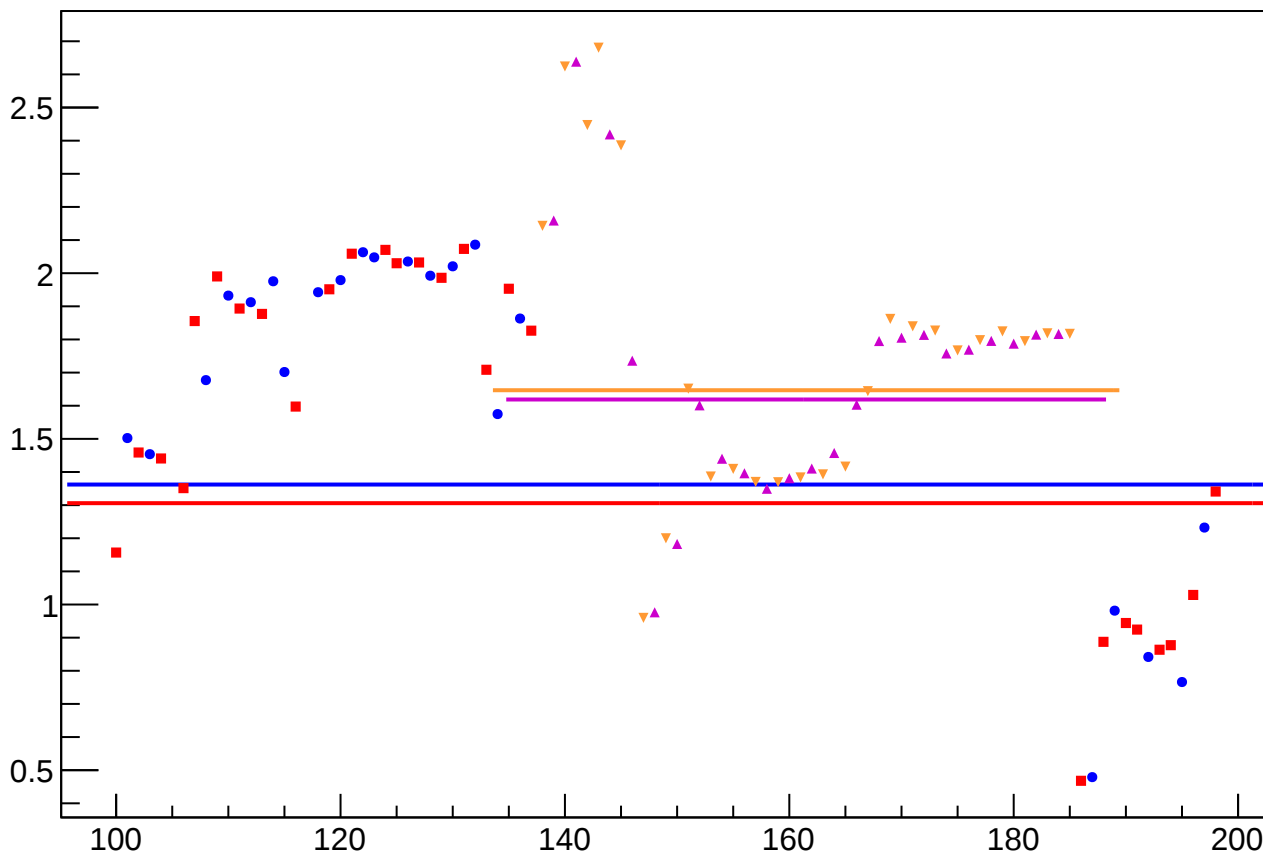
Right: 0.090 $\pm$ 0.000 χ^2 /NDF: 351370.1/48

In: 0.087 $\pm$ 0.000 χ^2 /NDF:385618.3/44

Out: 0.086 $\pm$ 0.000 χ^2 /NDF:577660.8/51

All: 0.086 $\pm$ 0.000 χ^2 /NDF: 963391.3/96

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.362 $\pm$ 0.000 χ^2/NDF : 12495810229.3/21

Left Out: 1.647 $\pm$ 0.000 χ^2/NDF : 26535241545.7/24

Right Out: 1.306 $\pm$ 0.000 χ^2/NDF : 11980446905.6/26

Left In: 1.619 $\pm$ 0.000 χ^2/NDF : 20618198188.1/22

Left: 1.633 $\pm$ 0.000 χ^2/NDF : 47231460201.8/47

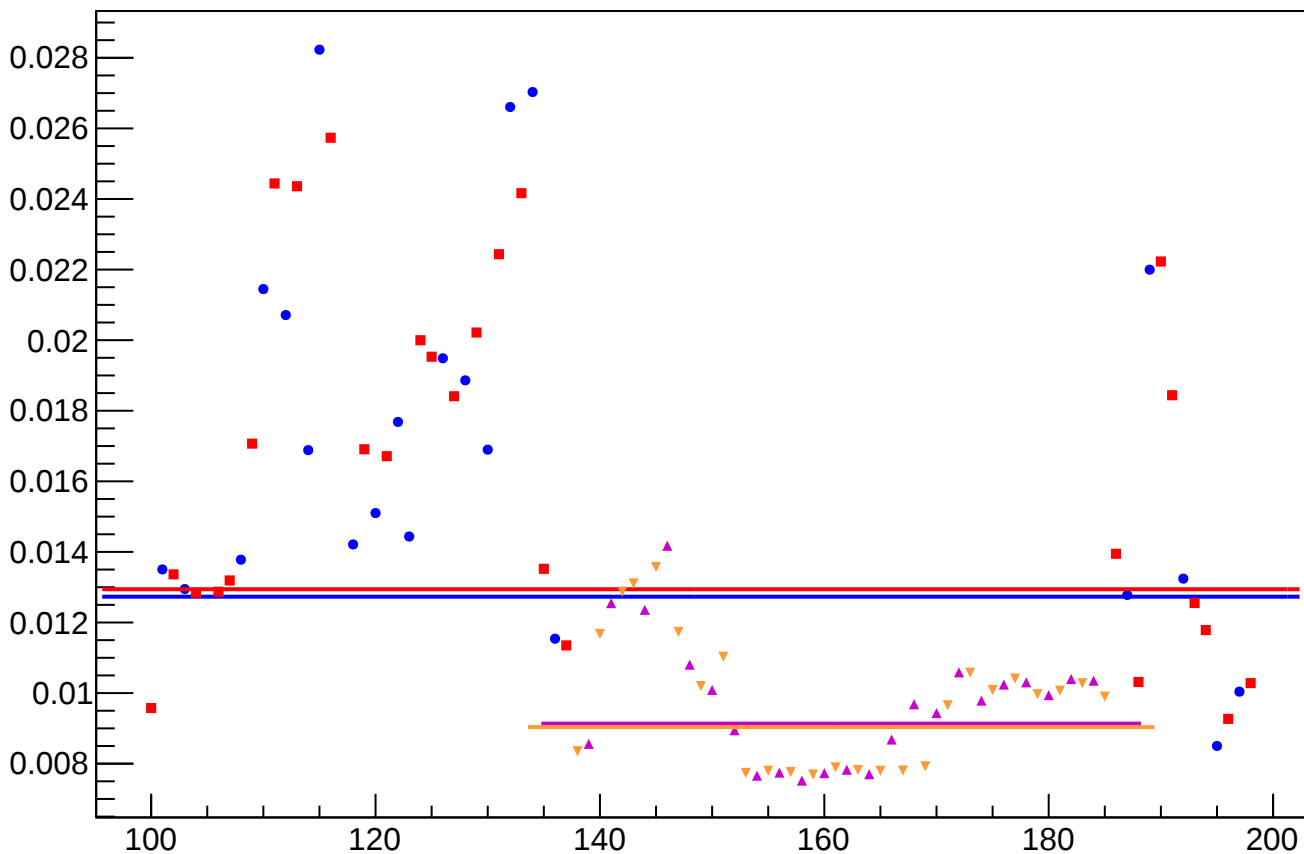
Right: 1.332 $\pm$ 0.000 χ^2/NDF : 24563681484.5/48

In: 1.565 $\pm$ 0.000 χ^2/NDF : 35765535308.5/44

Out: 1.570 $\pm$ 0.000 χ^2/NDF : 43961908901.5/51

All: 1.568 $\pm$ 0.000 χ^2/NDF : 79730837070.0/9

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF : 1557214.4/21

Left Out: 0.009+/-0.000 χ^2/NDF :1042871.8/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1773649.1/26

Left In: 0.009+/-0.000 χ^2/NDF :878356.2/22

Left: 0.009+/-0.000 χ^2/NDF : 1923188.0/47

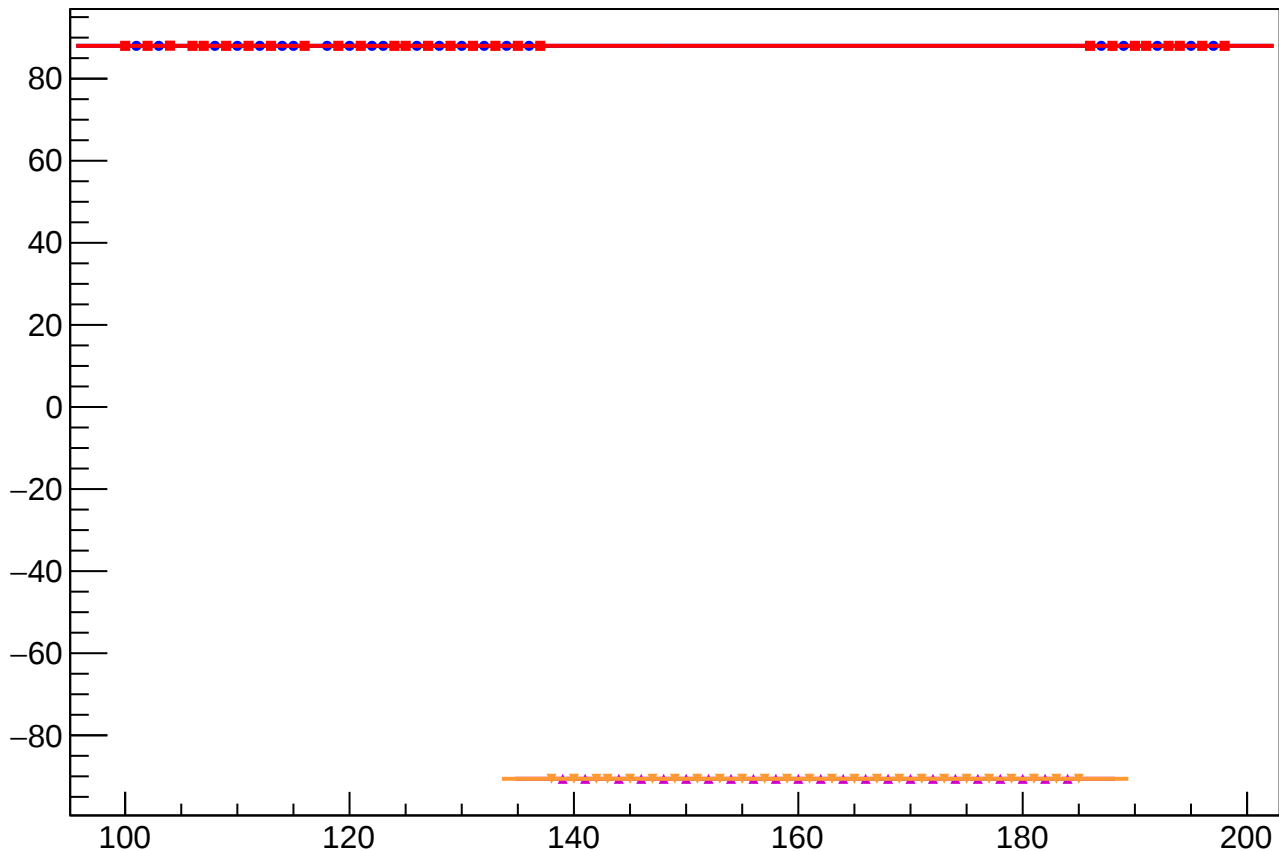
Right: 0.013+/-0.000 χ^2/NDF : 3333341.8/48

In: 0.010+/-0.000 χ^2/NDF :3476658.9/44

Out: 0.010+/-0.000 χ^2/NDF :4247662.6/51

All: 0.010+/-0.000 χ^2/NDF : 7724478.6/96

epics_VWienAngles_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2 /NDF: 2186899.1/21

Left Out: -90.599+/-0.000 χ^2 /NDF: 5785821.4/24

Right Out: 88.002+/-0.000 χ^2 /NDF: 80021825320771164734989795328.0/26

Left In: -90.599+/-0.000 χ^2 /NDF: 7134230.8/22

Left: -90.599+/-0.000 χ^2 /NDF: 11903242.1/47

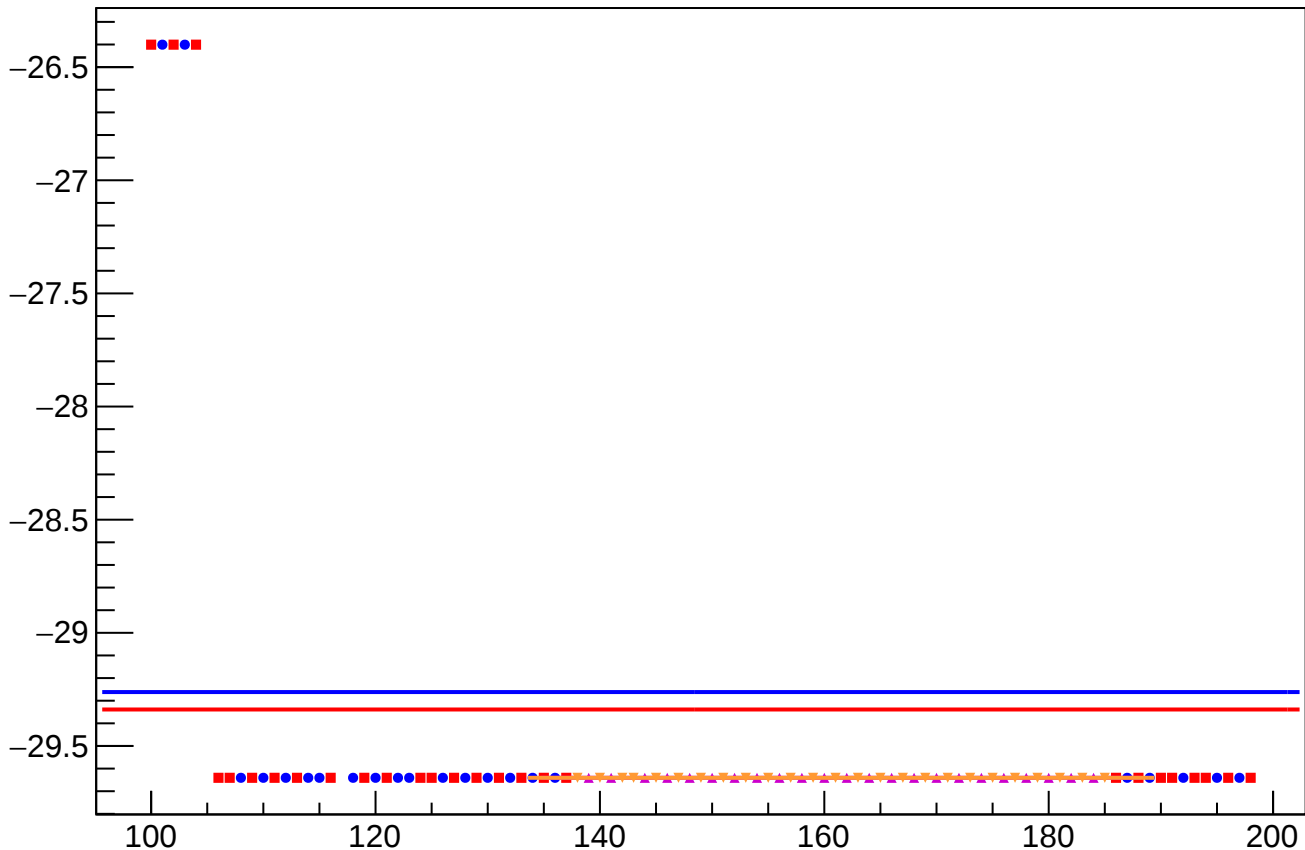
Right: 88.002+/-0.000 χ^2 /NDF: 8155189622737536

In: -26.354+/-0.000 χ^2 /NDF: 20607605984114059

Out: -20.009+/-0.000 χ^2 /NDF: 2401733115948288

All: -22.998+/-0.000 χ^2 /NDF: 446846737885

epics_HWienAngles_mean vs Slug, Sign Corrected



Right In: -29.262+/-0.000

χ^2/NDF : 1093852000792868215142386474418176.0/21

Left Out: -29.641+/-0.000

χ^2/NDF : 530354.3/24

Right Out: -29.339+/-0.000

χ^2/NDF : 1104263201927704281663099610595328.0/26

Left In: -29.641+/-0.000

χ^2/NDF : 382603.8/22

Left: -29.641+/-0.000 χ^2/NDF : 741150.6/47

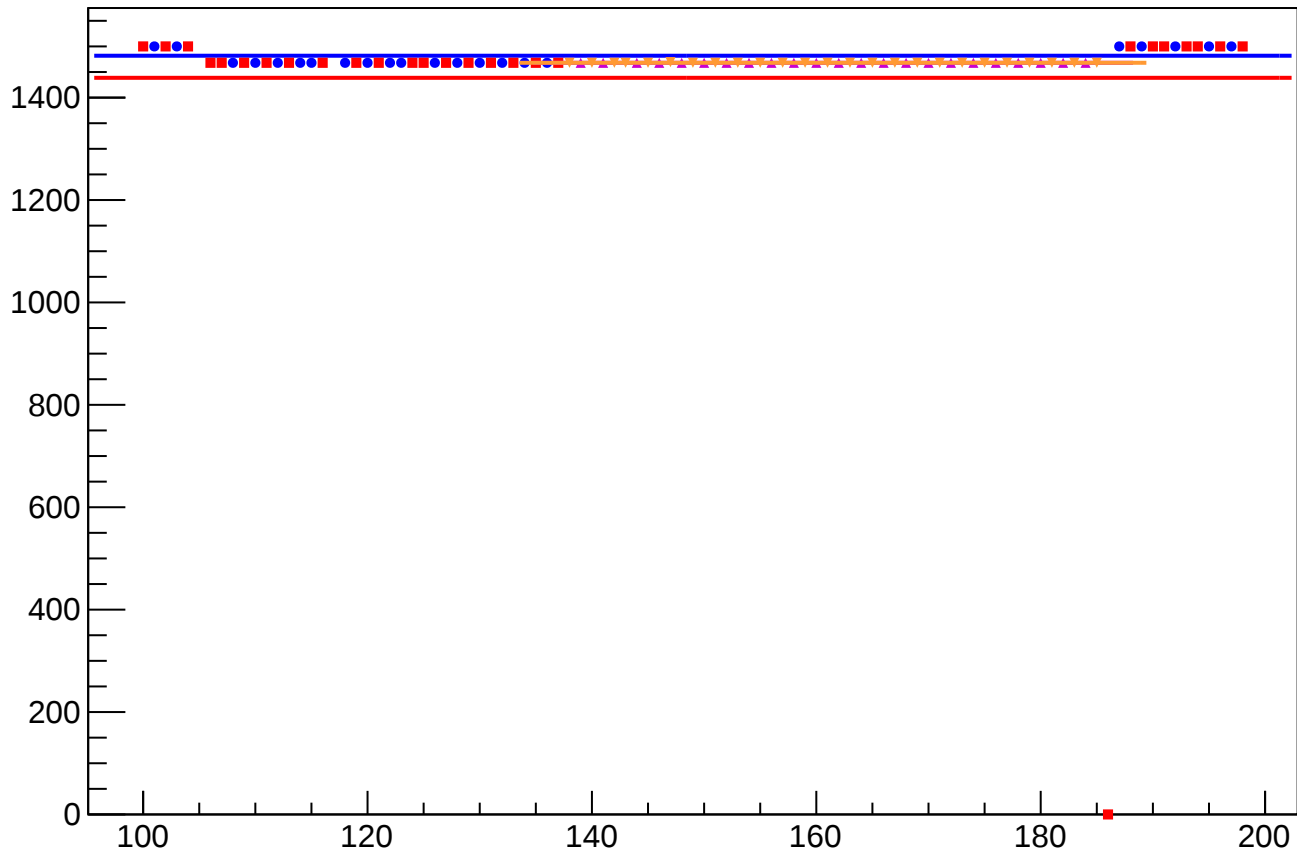
Right: -29.304+/-0.000 χ^2/NDF : 220142216858917.0/21

In: -29.504+/-0.000 χ^2/NDF : 11866067884491838.0/21

Out: -29.521+/-0.000 χ^2/NDF : 1172878518857117.0/21

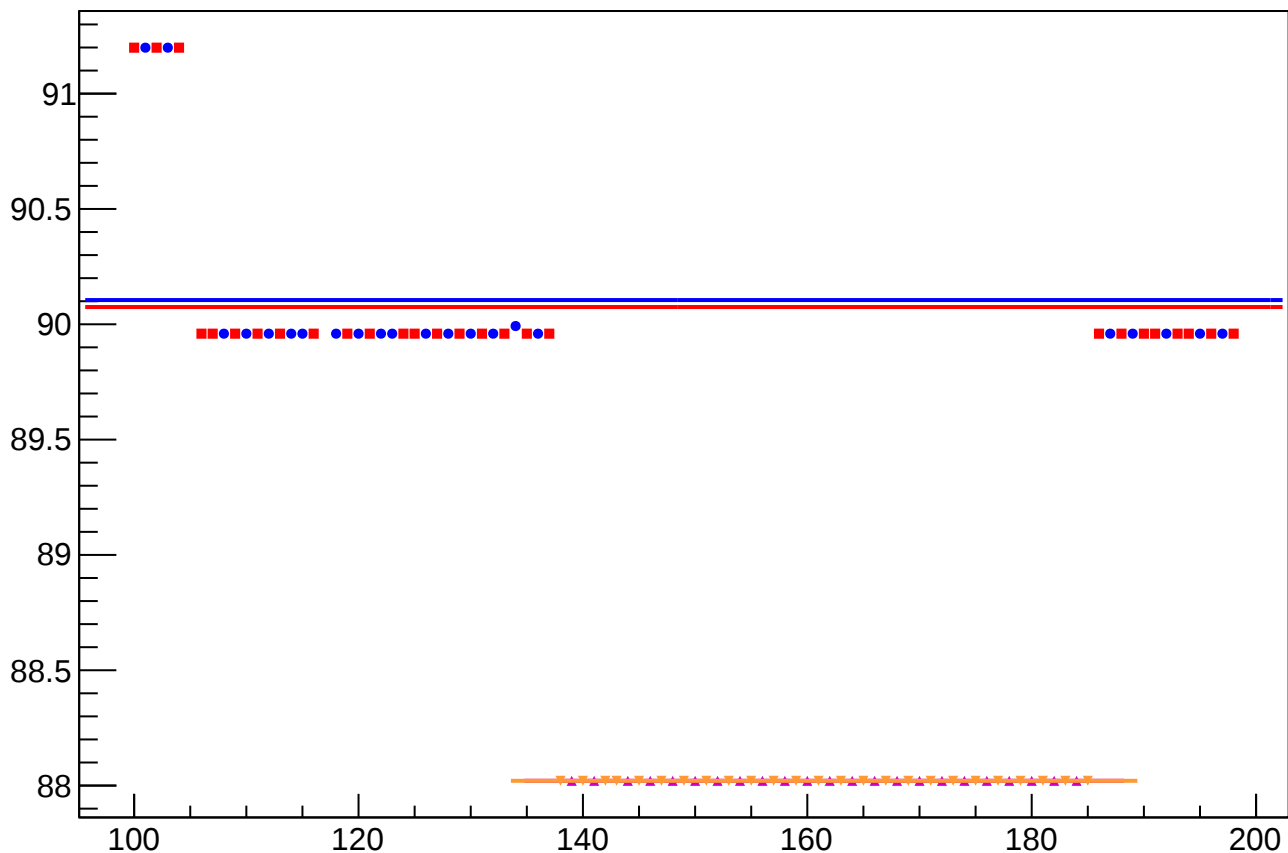
All: -29.513+/-0.000 χ^2/NDF : 235991336463.0/21

epics_psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1481.816+/-0.000	χ^2/NDF : 253881318967309036095263453330014208.0/21	Left: 1468.022+/-0.000	χ^2/NDF : 130807817753460
Left Out: 1468.048+/-0.000	χ^2/NDF : 127949199501977668488138456039424.0/24	Right: 1457.991+/-0.000	χ^2/NDF : 82728063532784
Right Out: 1438.683+/-0.000	χ^2/NDF : 81437301282741478379576783010866921472.0/26	In: 1472.966+/-0.000	χ^2/NDF : 3773141980391993
Left In: 1467.994+/-0.000	χ^2/NDF : 144497772795444989723550941184.0/22	Out: 1456.442+/-0.000	χ^2/NDF : 820866797501790
	All: 1464.225+/-0.000	χ^2/NDF : 82869125529	

epics_Phi_FGs_mean vs Slug, Sign Corrected



Right In: 90.105+/-0.000

χ^2/NDF : 160039395003156667996047191048192.0/21

Left Out: 88.021+/-0.000

χ^2/NDF : 5679798.5/24

Right Out: 90.075+/-0.000

χ^2/NDF : 161743169799235022468024595644416.0/26

Left In: 88.021+/-0.000

χ^2/NDF : 6257169.0/22

Left: 88.021+/-0.000 χ^2/NDF : 13134723.4/47

Right: 90.088+/-0.000

χ^2/NDF : 3222898077775864

In: 88.770+/-0.000

χ^2/NDF : 296665937874773157

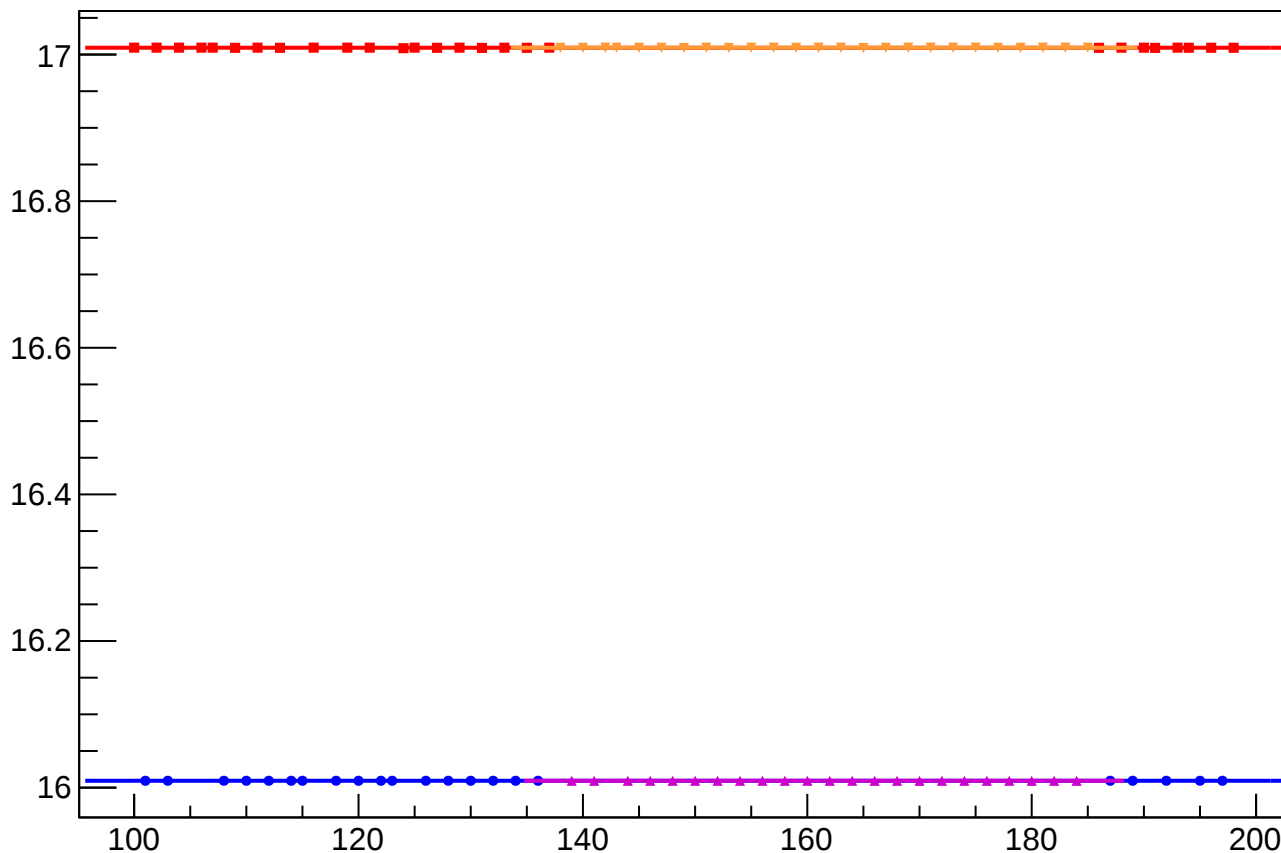
Out: 88.833+/-0.000

χ^2/NDF : 33386811359677147

All: 88.803+/-0.000

χ^2/NDF : 6311065667560

epics_IGL1I00DI24_24Ms_mean vs Slug, Sign Corrected



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 149050.5/21

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 26194929080144976634970112.0/24

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 16500604474486560068206592.0/26

Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127920993667935400624128.0/22

Left: 16.524 $\pm$ 0.000 χ^2 /NDF: 85855870772921272

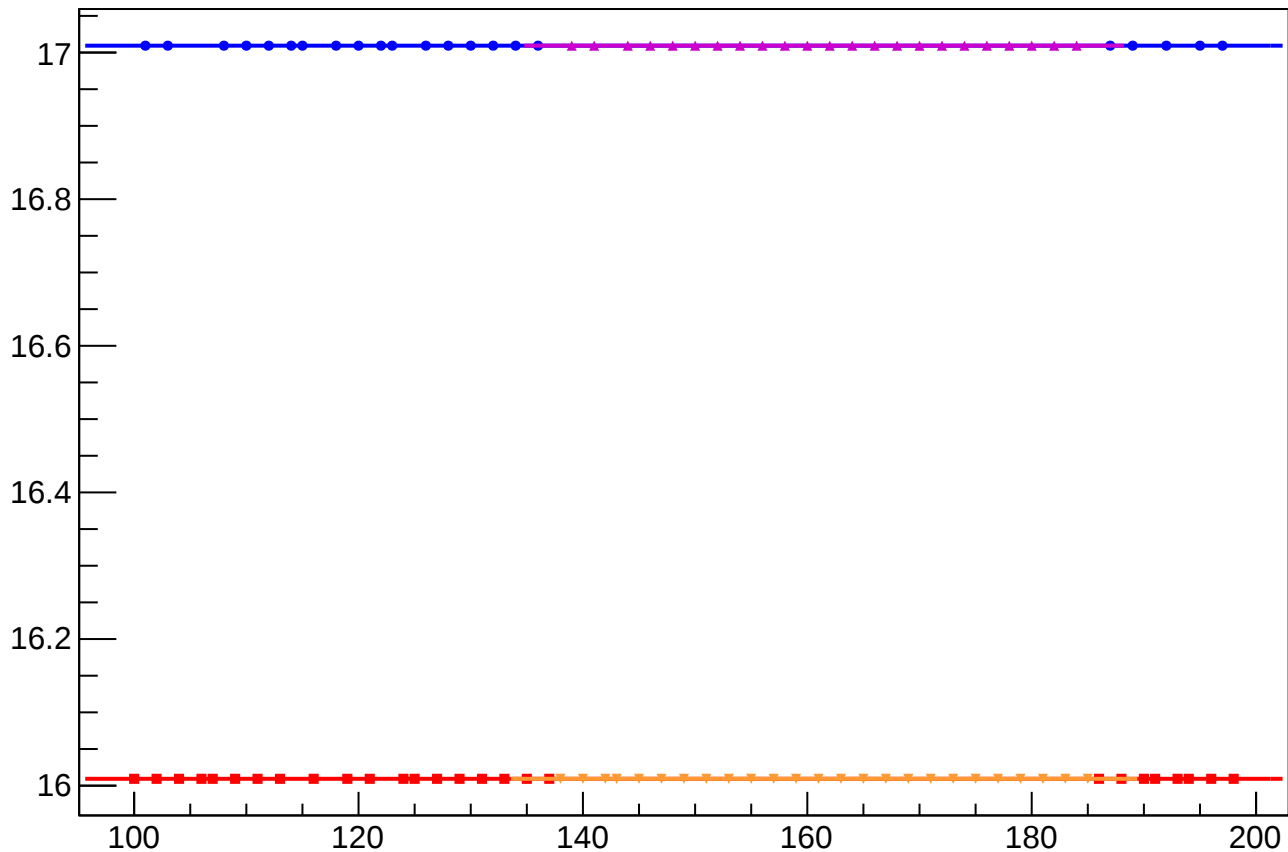
Right: 16.556 $\pm$ 0.000 χ^2 /NDF: 5339625400886064

In: 16.009 $\pm$ 0.000 χ^2 /NDF: 130083577183754419

Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 42860858924636247

All: 16.536 $\pm$ 0.000 χ^2 /NDF: 1393861424990

epics_IGL1I00OD16_16s_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF : 219921.8/21

Left Out: 16.009+/-0.000 χ^2/NDF : 61253.5/24

Right Out: 16.009+/-0.000 χ^2/NDF : 264779.6/26

Left In: 17.009+/-0.000 χ^2/NDF : 114986101427233622065152.0/22

Left: 16.491+/-0.000 χ^2/NDF : 90683349233974458

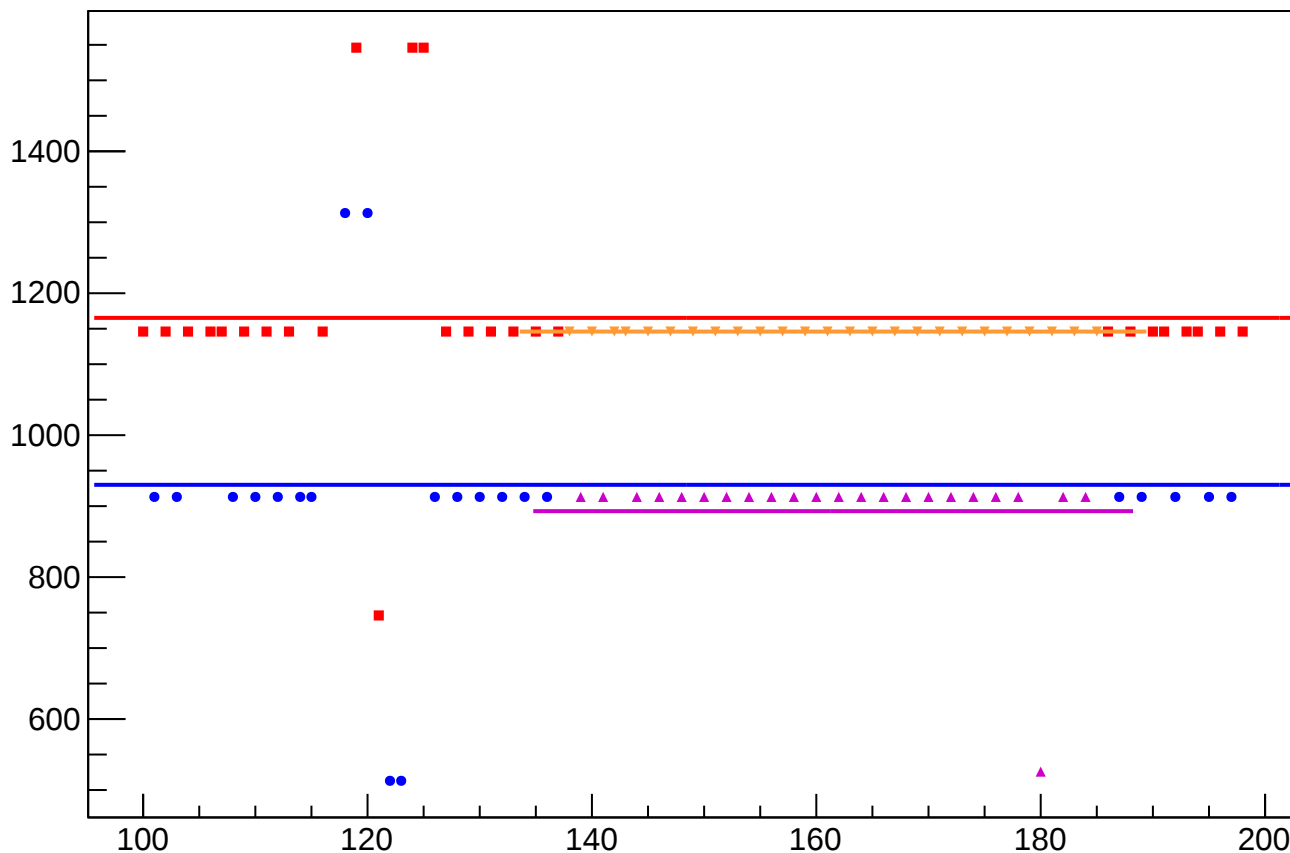
Right: 16.450+/-0.000 χ^2/NDF : 5460613995485117

In: 17.009+/-0.000 χ^2/NDF : 116983497088272603

Out: 16.009+/-0.000 χ^2/NDF : 385203.9/51

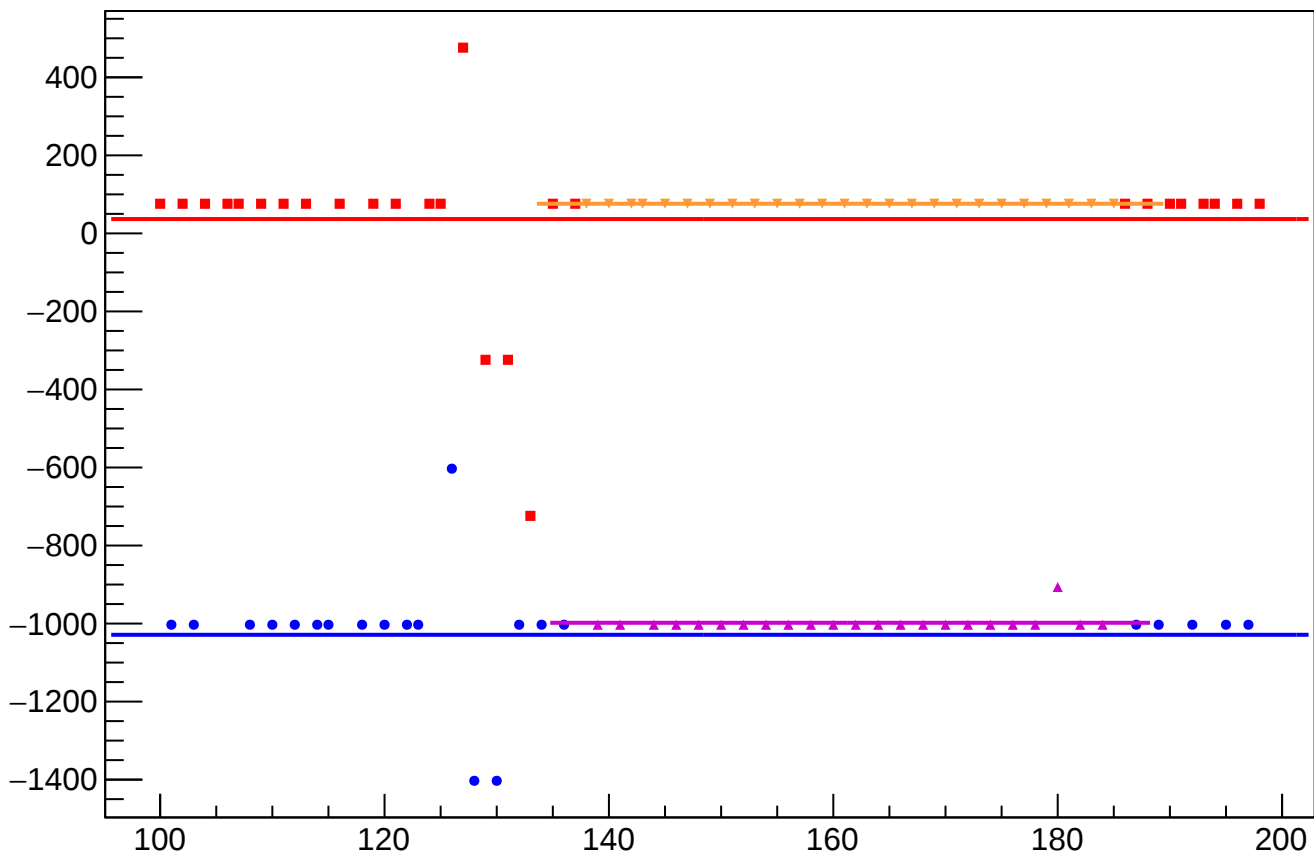
All: 16.476+/-0.000 χ^2/NDF : 1455209937907

epics_RTPAPOSUCNTs_mean vs Slug, Sign Corrected



Right In: 930.042+/-0.000 χ^2/NDF : 20988135599359619715797098285257195520.0/21
 Left Out: 1146.011+/-0.000 χ^2/NDF : 8056834670270133849999540224.0/24
 Right Out: 1165.287+/-0.000 χ^2/NDF : 21618065084013468391252921642425253888.0/26
 Left In: 892.950+/-0.000 χ^2/NDF : 13213852485930520518972295012897783808.0/22
 All: 1037.126+/-0.000 χ^2/NDF : 14775810321

epics_RTPAPOSVCNTs_mean vs Slug, Sign Corrected



Right In: -1028.758 $\pm$ 0.000 χ^2/NDF : 22529676945638889668390032433194467328.0/21
 Left Out: 76.011 $\pm$ 0.000 χ^2/NDF : 11479003589933272170007363584.0/24
 Right Out: 36.813 $\pm$ 0.000 χ^2/NDF : 45126896423442663250284951167110742016.0/26
 Left In: -997.979 $\pm$ 0.000 χ^2/NDF : 825858066518991041870194619245920256.0/22
 All: -443.283 $\pm$ 0.000 χ^2/NDF : 17676315918