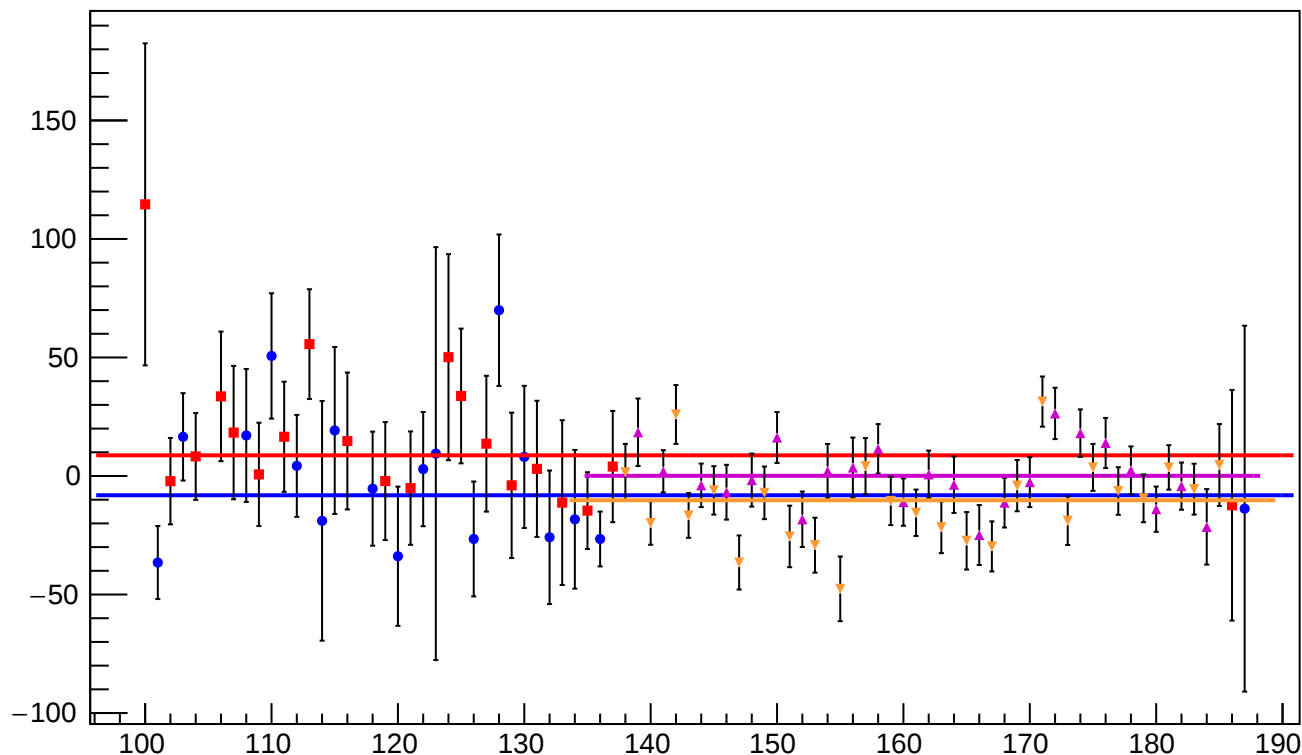


diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -8.127 ± 5.605

$\chi^2/\text{NDF}: 22.9/17$

Left Out: -10.238 ± 2.170

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

Right Out: 8.727 ± 5.649

$\chi^2/\text{NDF}: 13.2/19$

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: 0.234 ± 3.979

$\chi^2/\text{NDF}: 40.6/37$

In: -1.059 ± 2.088

$\chi^2/\text{NDF}: 54.6/40$

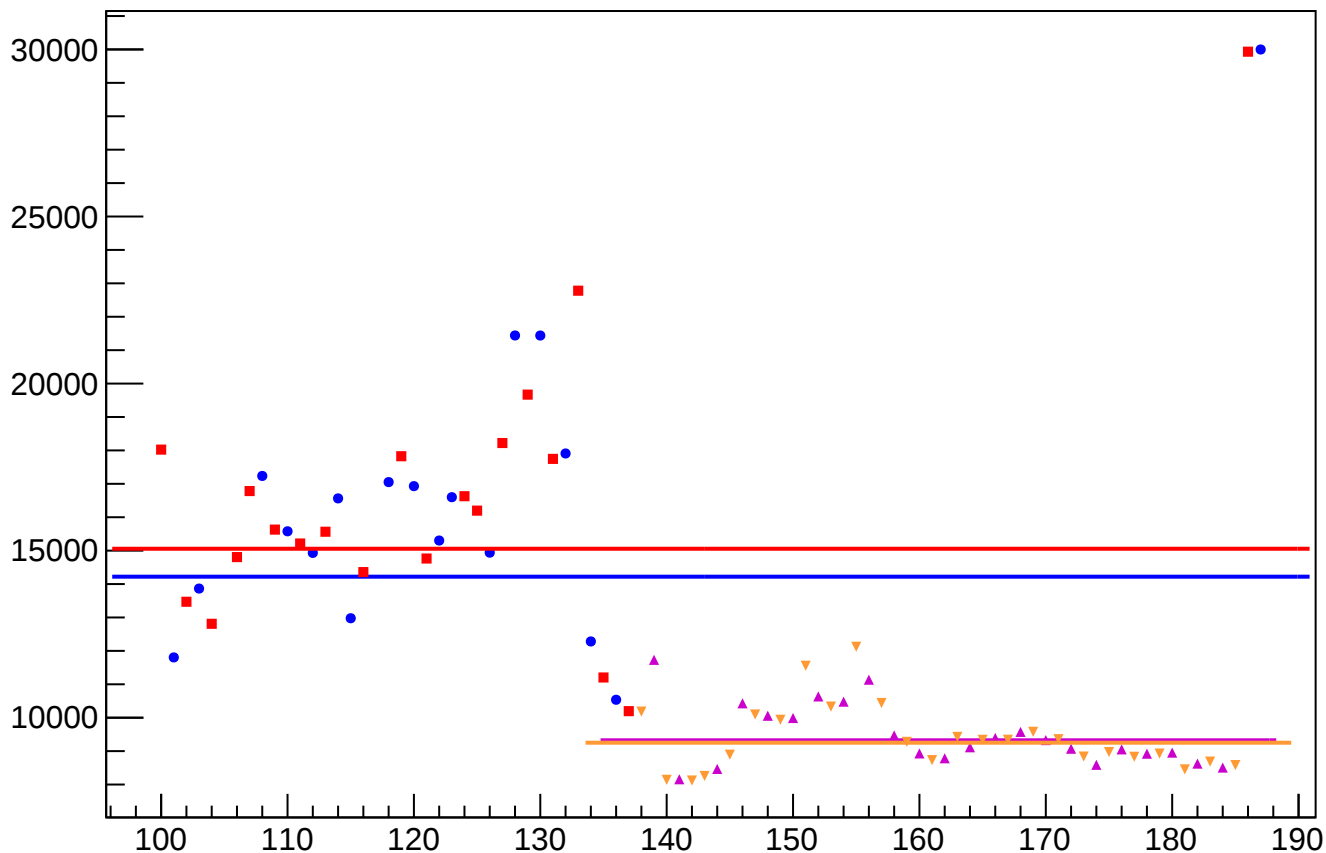
Out: -7.799 ± 2.026

$\chi^2/\text{NDF}: 81.2/44$

All: -4.532 ± 1.454

$\chi^2/\text{NDF}: 141.1/85$

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14220.685 $\pm$ 3.963 χ^2 /NDF: 687071.8/17

Left Out: 9251.811 $\pm$ 1.535 χ^2 /NDF:332323.3/24

Right Out: 15056.763 $\pm$ 3.994 χ^2 /NDF: 663489.3/19

Left In: 9323.983 $\pm$ 1.591 χ^2 /NDF:275717.0/22

Left: 9286.587 $\pm$ 1.105 χ^2 /NDF: 609106.1/47

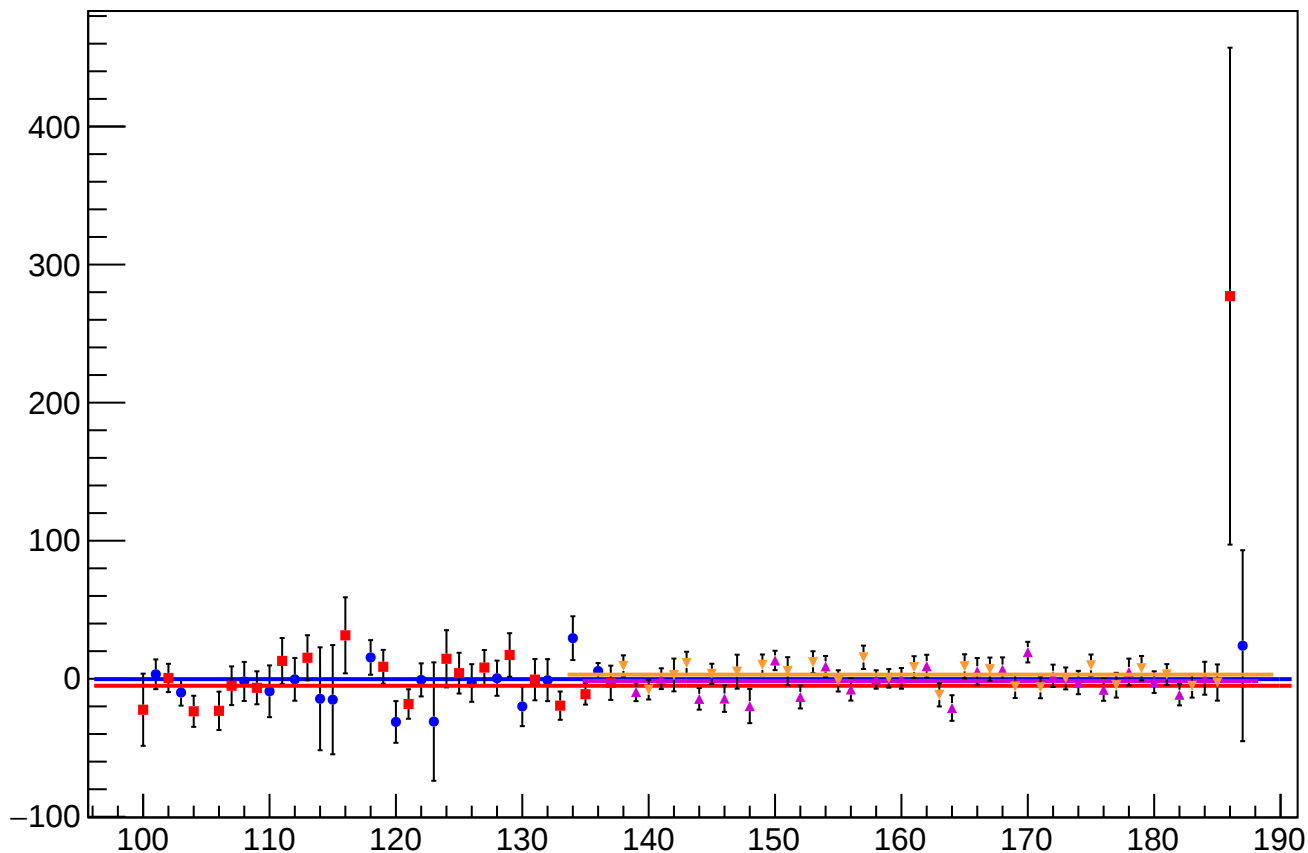
Right: 14635.443 $\pm$ 2.813 χ^2 /NDF: 1372639.9/37

In: 10003.904 $\pm$ 1.477 χ^2 /NDF:2277463.0/40

Out: 9998.441 $\pm$ 1.433 χ^2 /NDF:2836247.1/44

All: 10001.089 $\pm$ 1.028 χ^2 /NDF: 5113717.1/8

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.267 ± 3.074 χ^2/NDF : 14.6/17

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

Right Out: -5.052 ± 2.942 χ^2/NDF : 22.0/19

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

Left: 0.777 ± 1.189 χ^2/NDF : 57.8/47

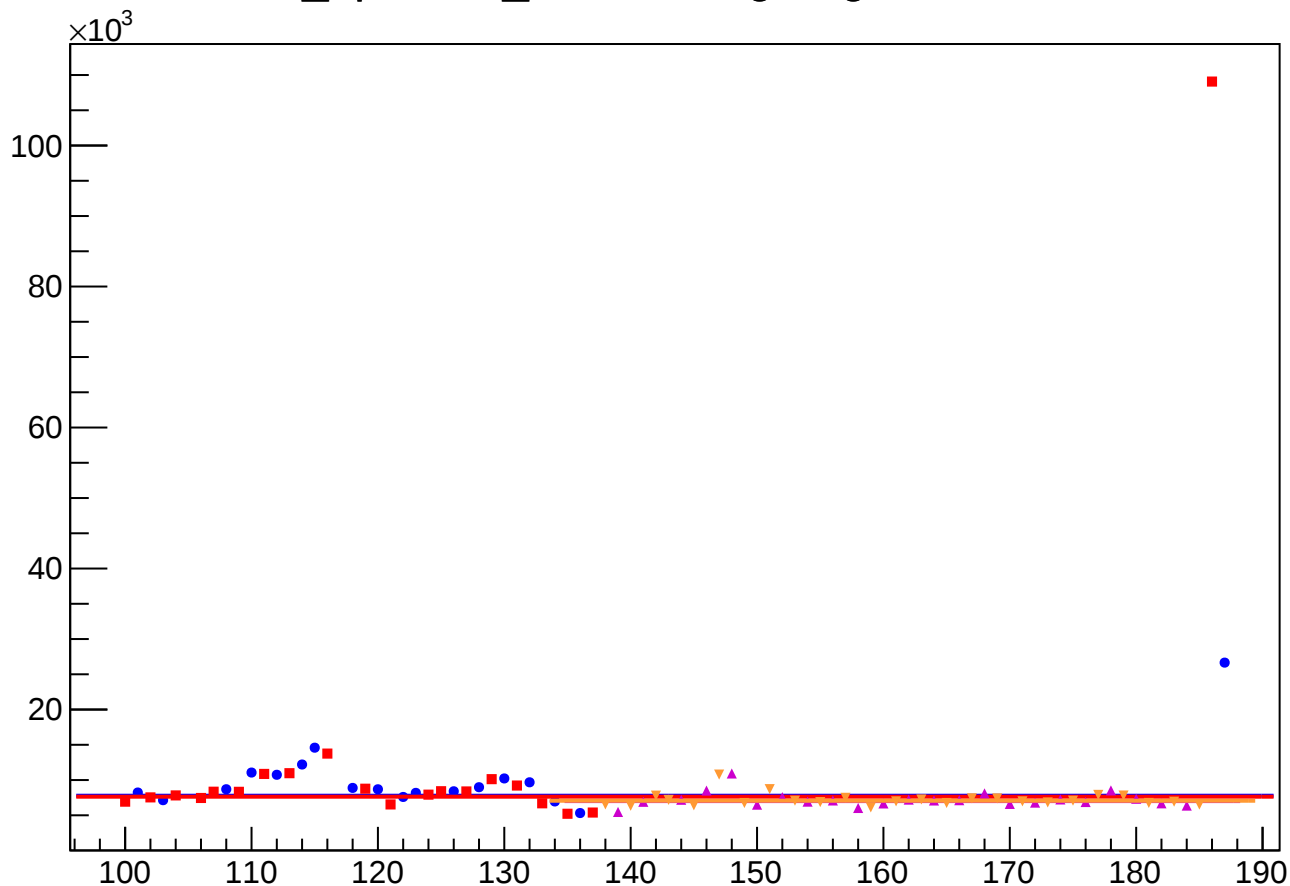
Right: -2.764 ± 2.125 χ^2/NDF : 37.8/37

In: -1.278 ± 1.489 χ^2/NDF : 50.2/40

Out: 1.075 ± 1.446 χ^2/NDF : 46.3/44

All: -0.067 ± 1.037 χ^2/NDF : 97.8/85

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7776.297 $\pm$ 2.173 χ^2/NDF : 890288.6/17

Left Out: 7064.457 $\pm$ 1.174 χ^2/NDF : 386814.9/24

Right Out: 7638.501 $\pm$ 2.080 χ^2/NDF : 1318822.6/19

Left In: 7014.572 $\pm$ 1.204 χ^2/NDF : 525313.7/22

Left: 7040.137 $\pm$ 0.841 χ^2/NDF : 913008.5/47

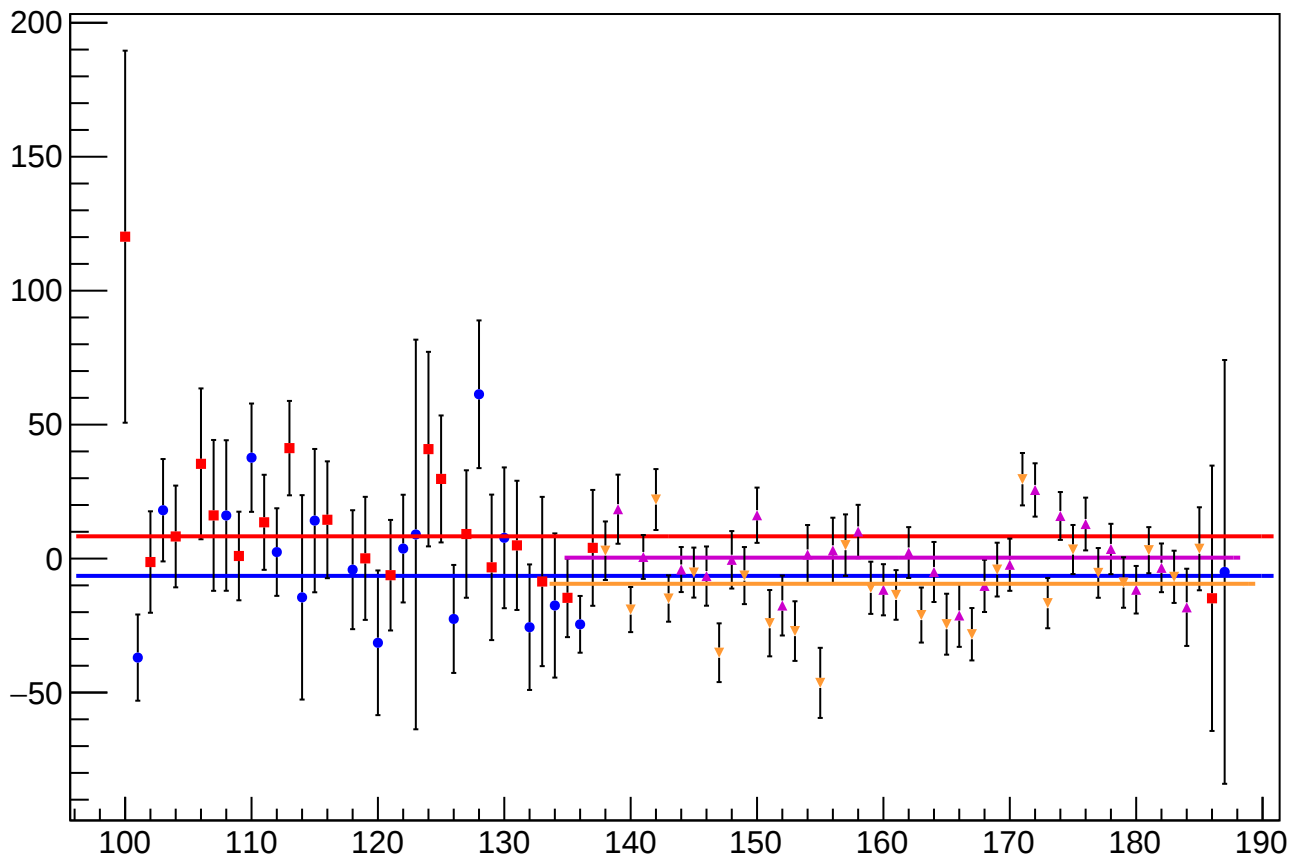
Right: 7704.374 $\pm$ 1.503 χ^2/NDF : 2211209.1/37

In: 7193.409 $\pm$ 1.053 χ^2/NDF : 1509589.3/40

Out: 7203.177 $\pm$ 1.023 χ^2/NDF : 1763393.3/44

All: 7198.437 $\pm$ 0.734 χ^2/NDF : 3273026.9/85

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.457 ± 5.018 $\chi^2/\text{NDF}: 23.5/17$

Left Out: -9.411 ± 2.021 $\chi^2/\text{NDF}: 58.8/24$

Right Out: 8.311 ± 4.983 $\chi^2/\text{NDF}: 13.1/19$

Left In: 0.344 ± 2.100 $\chi^2/\text{NDF}: 29.9/22$

Left: -4.722 ± 1.456 $\chi^2/\text{NDF}: 99.9/47$

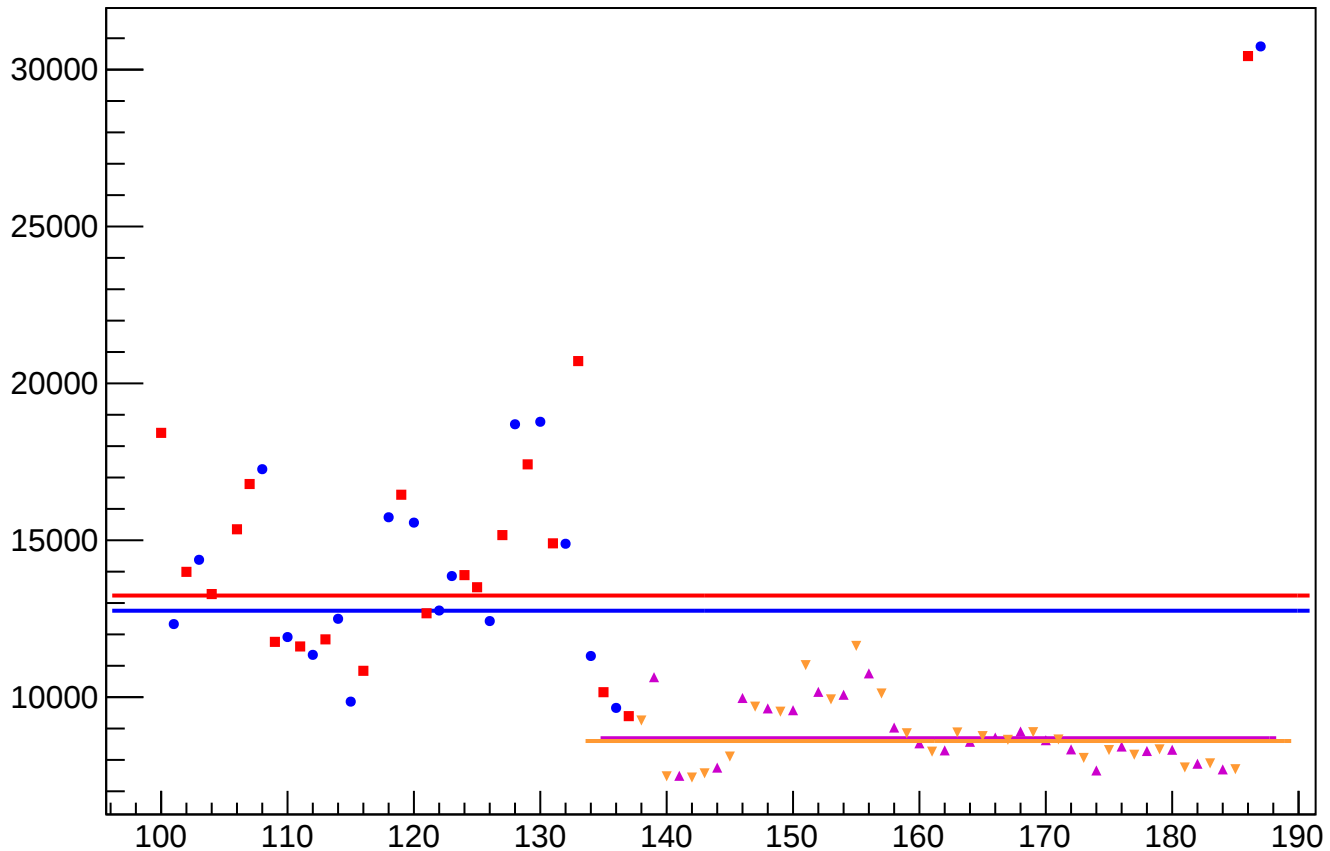
Right: 0.979 ± 3.536 $\chi^2/\text{NDF}: 41.0/37$

In: -0.670 ± 1.938 $\chi^2/\text{NDF}: 55.0/40$

Out: -6.908 ± 1.873 $\chi^2/\text{NDF}: 82.8/44$

All: -3.895 ± 1.347 $\chi^2/\text{NDF}: 143.1/85$

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12754.564 $\pm$ 3.549 χ^2 /NDF: 662469.7/17

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

Right Out: 13238.554 $\pm$ 3.524 χ^2 /NDF: 742770.6/19

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

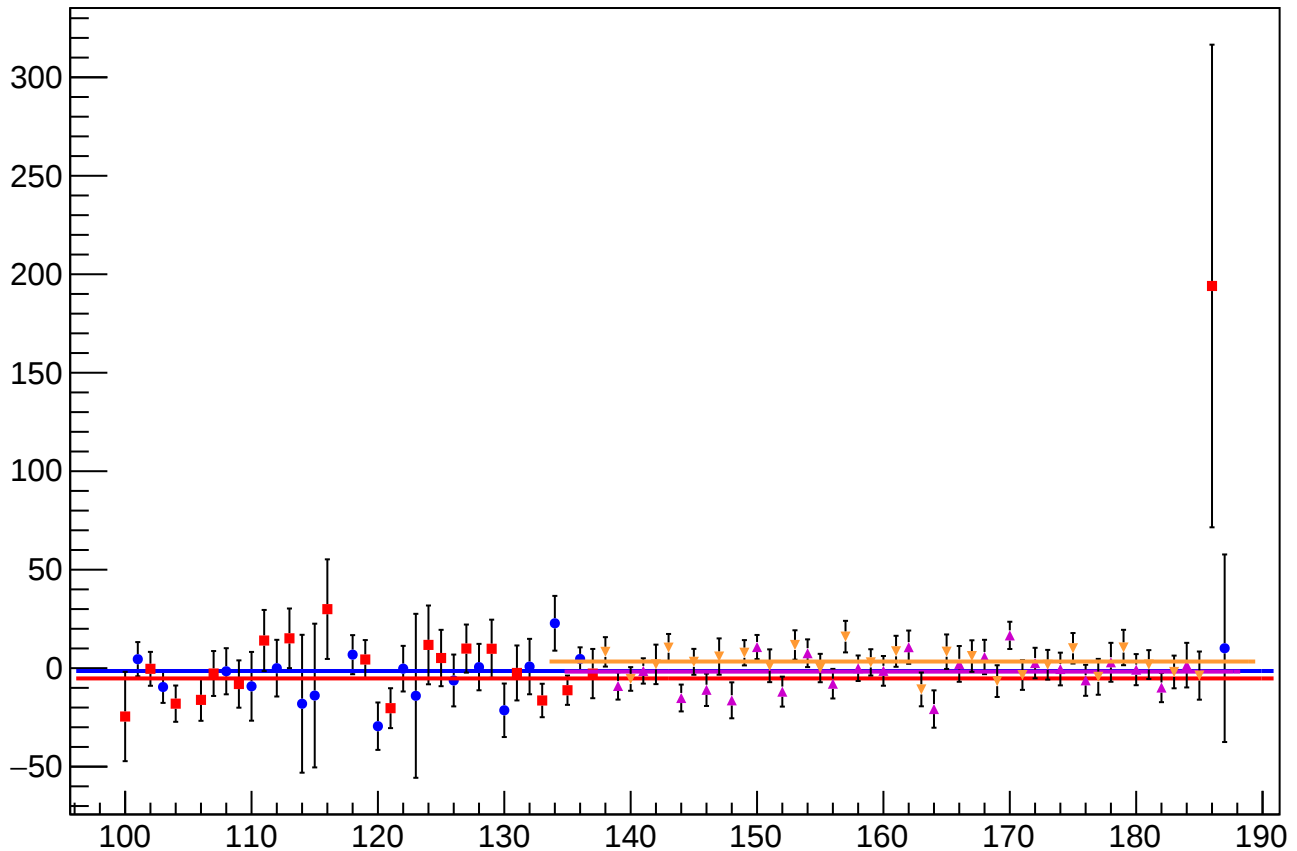
Right: 12998.256 $\pm$ 2.500 χ^2 /NDF: 1414606.8/37

In: 9296.952 $\pm$ 1.370 χ^2 /NDF:2143468.4/40

Out: 9257.068 $\pm$ 1.324 χ^2 /NDF:2668247.2/44

All: 9276.332 $\pm$ 0.952 χ^2 /NDF: 4812153.7/85

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.437 ± 2.790 χ^2/NDF : 14.8/17

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

Right Out: -5.214 ± 2.644 χ^2/NDF : 21.5/19

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

Left: 0.899 ± 1.116 χ^2/NDF : 56.0/47

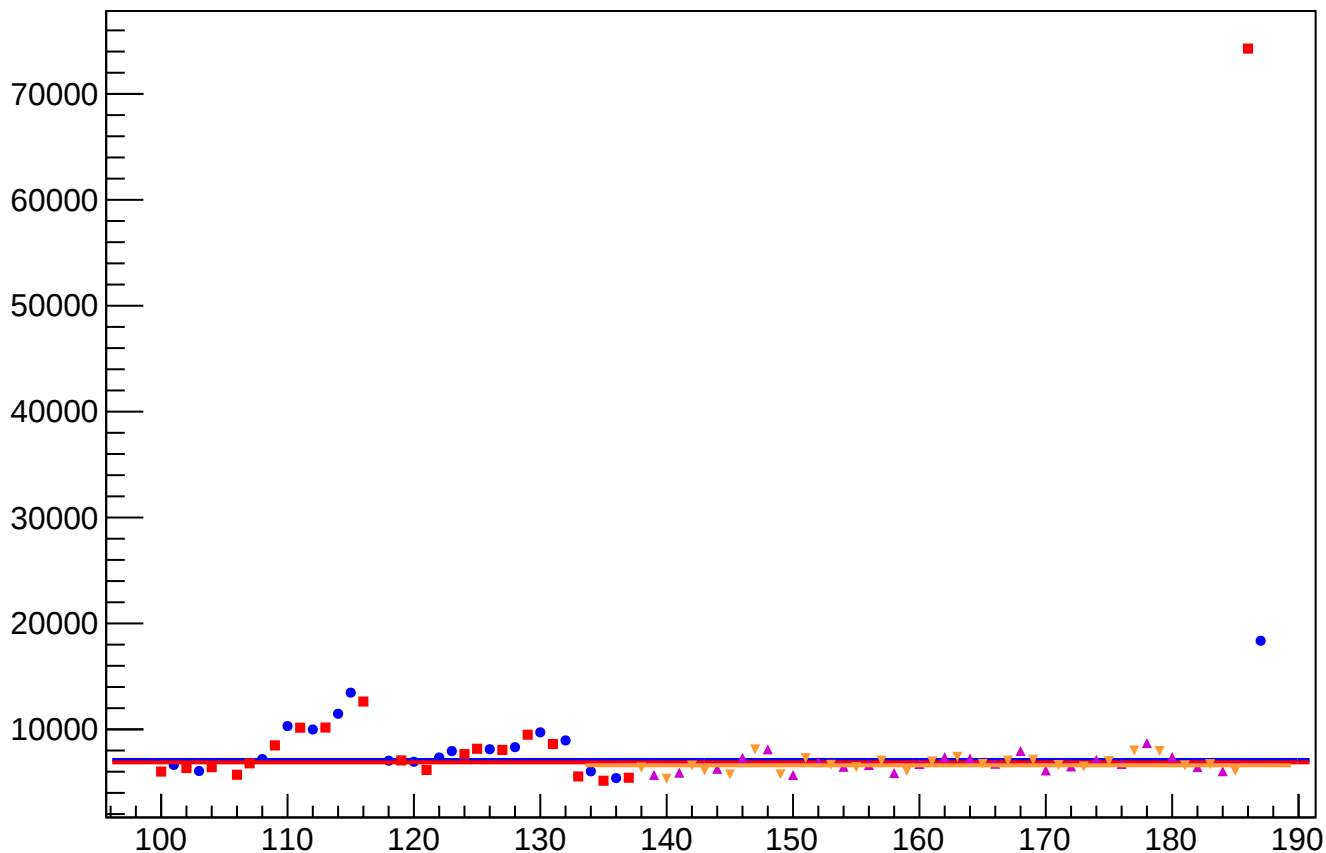
Right: -3.427 ± 1.919 χ^2/NDF : 37.3/37

In: -1.677 ± 1.393 χ^2/NDF : 48.3/40

Out: 1.174 ± 1.338 χ^2/NDF : 46.6/44

All: -0.195 ± 0.965 χ^2/NDF : 97.1/85

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7109.003 $\pm$ 1.973 χ^2/NDF : 713002.0/17

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

Right Out: 6882.992 $\pm$ 1.870 χ^2/NDF : 1294031.7/19

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

Left: 6619.974 $\pm$ 0.789 χ^2/NDF : 811236.9/47

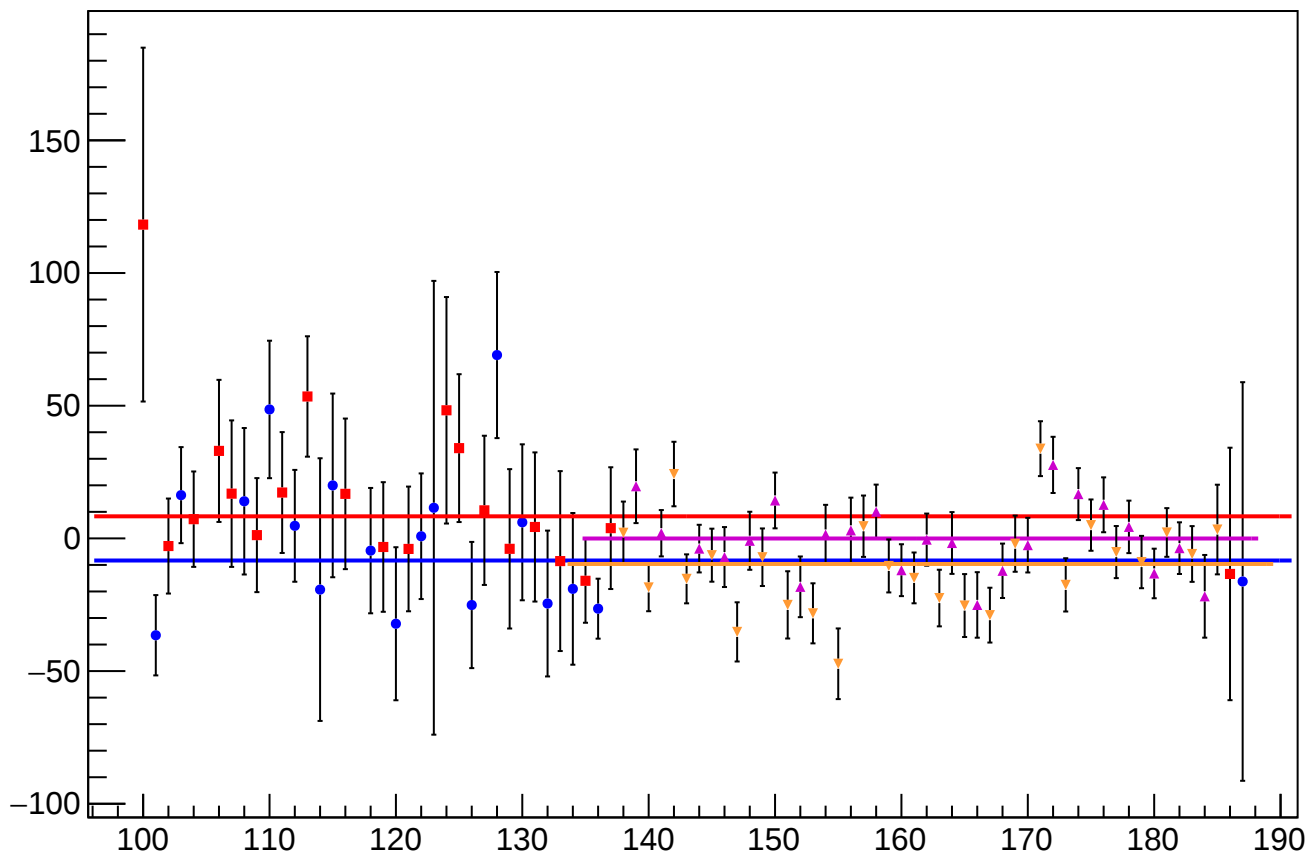
Right: 6989.912 $\pm$ 1.357 χ^2/NDF : 2013947.3/37

In: 6754.673 $\pm$ 0.985 χ^2/NDF : 1171494.1/40

Out: 6675.448 $\pm$ 0.946 χ^2/NDF : 1705848.1/44

All: 6713.487 $\pm$ 0.682 χ^2/NDF : 2880707.3/85

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -8.334 $\pm$ 5.493 χ^2/NDF : 22.7/17

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

Right Out: 8.316 $\pm$ 5.538 χ^2/NDF : 13.6/19

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

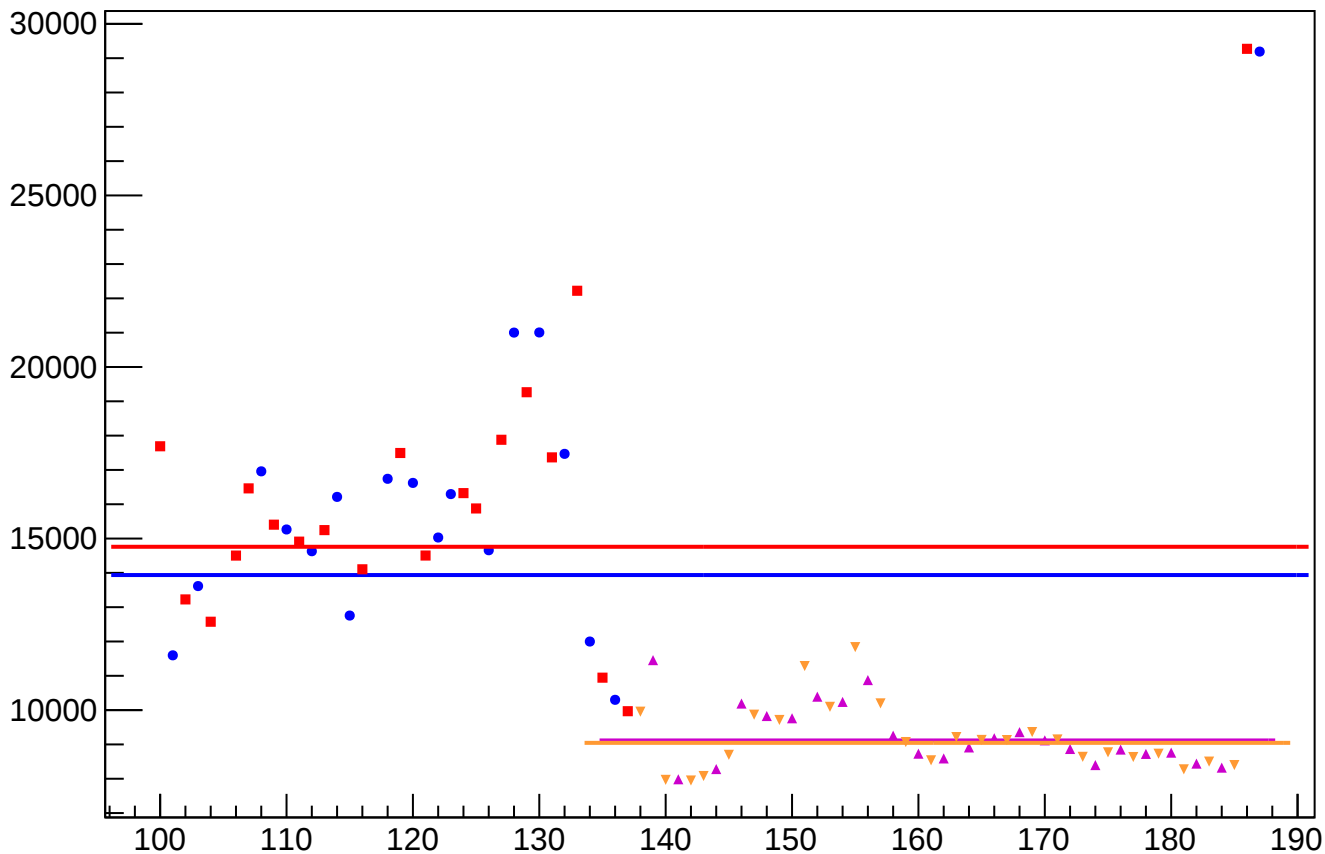
Right: -0.076 $\pm$ 3.900 χ^2/NDF : 41.0/37

In: -1.188 $\pm$ 2.042 χ^2/NDF : 55.5/40

Out: -7.341 $\pm$ 1.981 χ^2/NDF : 82.7/44

All: -4.358 $\pm$ 1.422 χ^2/NDF : 142.9/85

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13936.549 $\pm$ 3.884 χ^2 /NDF: 689170.9/17

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

Right Out: 14760.410 $\pm$ 3.916 χ^2 /NDF: 664468.3/19

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

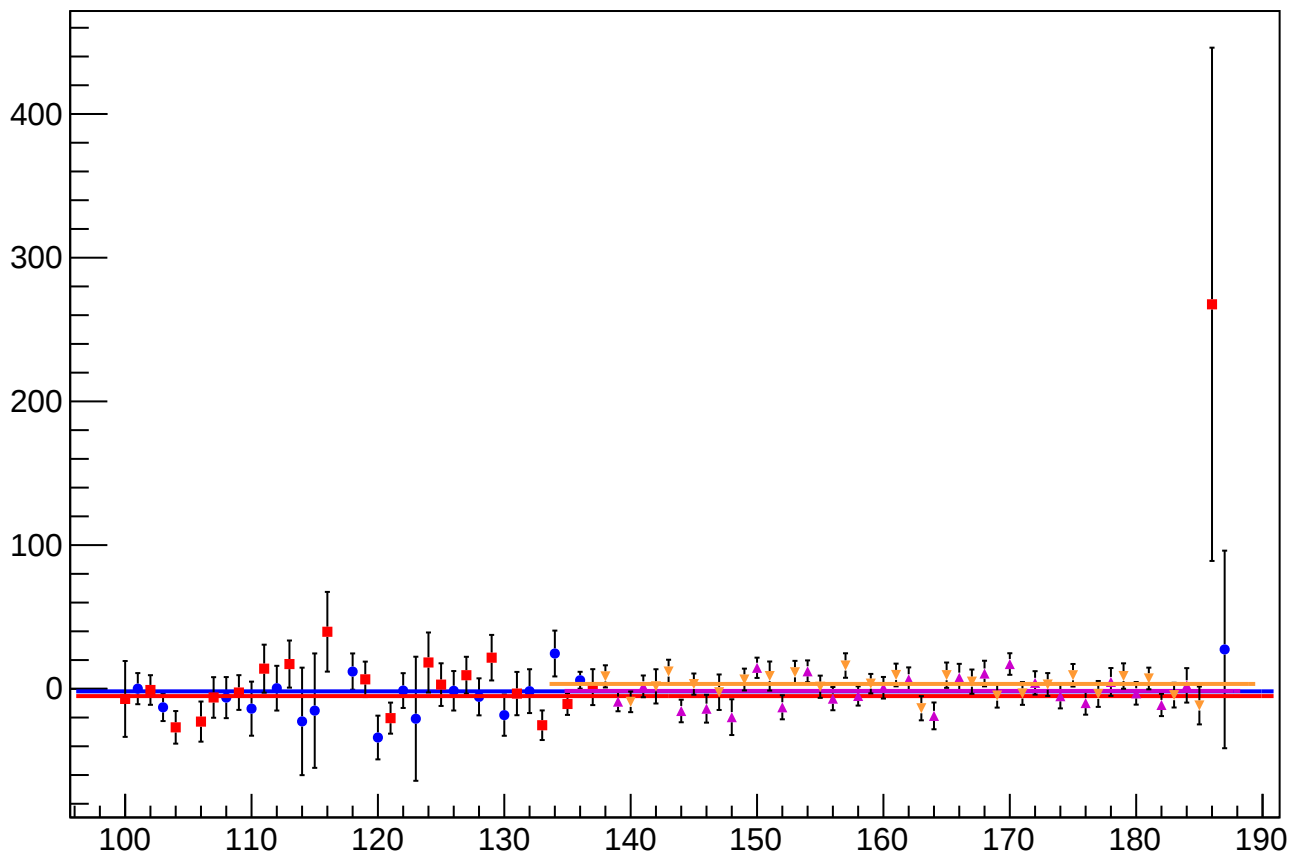
Right: 14345.145 $\pm$ 2.758 χ^2 /NDF: 1375950.9/37

In: 9782.249 $\pm$ 1.444 χ^2 /NDF:2289027.9/40

Out: 9777.354 $\pm$ 1.401 χ^2 /NDF:2850061.0/44

All: 9779.727 $\pm$ 1.006 χ^2 /NDF: 5139094.8/85

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -1.768 ± 3.096 $\chi^2/\text{NDF}: 14.2/17$

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

Right Out: -5.080 ± 2.964 $\chi^2/\text{NDF}: 26.8/19$

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

Left: 1.015 ± 1.194 $\chi^2/\text{NDF}: 60.3/47$

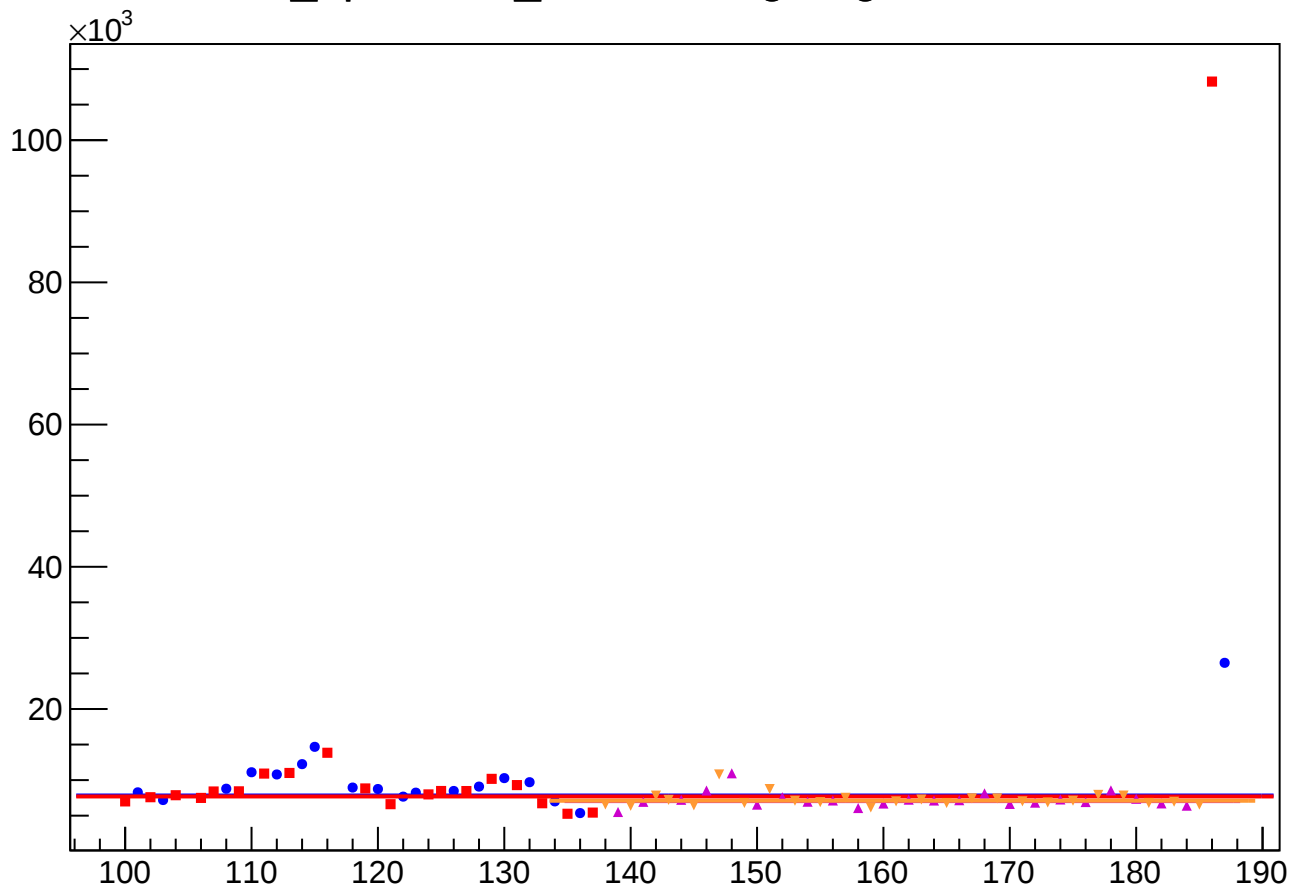
Right: -3.497 ± 2.141 $\chi^2/\text{NDF}: 41.7/37$

In: -1.547 ± 1.497 $\chi^2/\text{NDF}: 51.0/40$

Out: 1.351 ± 1.454 $\chi^2/\text{NDF}: 52.4/44$

All: -0.055 ± 1.043 $\chi^2/\text{NDF}: 105.3/85$

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7835.922 $\pm$ 2.190 χ^2/NDF : 883959.1/17

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

Right Out: 7700.137 $\pm$ 2.096 χ^2/NDF : 1310729.9/19

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

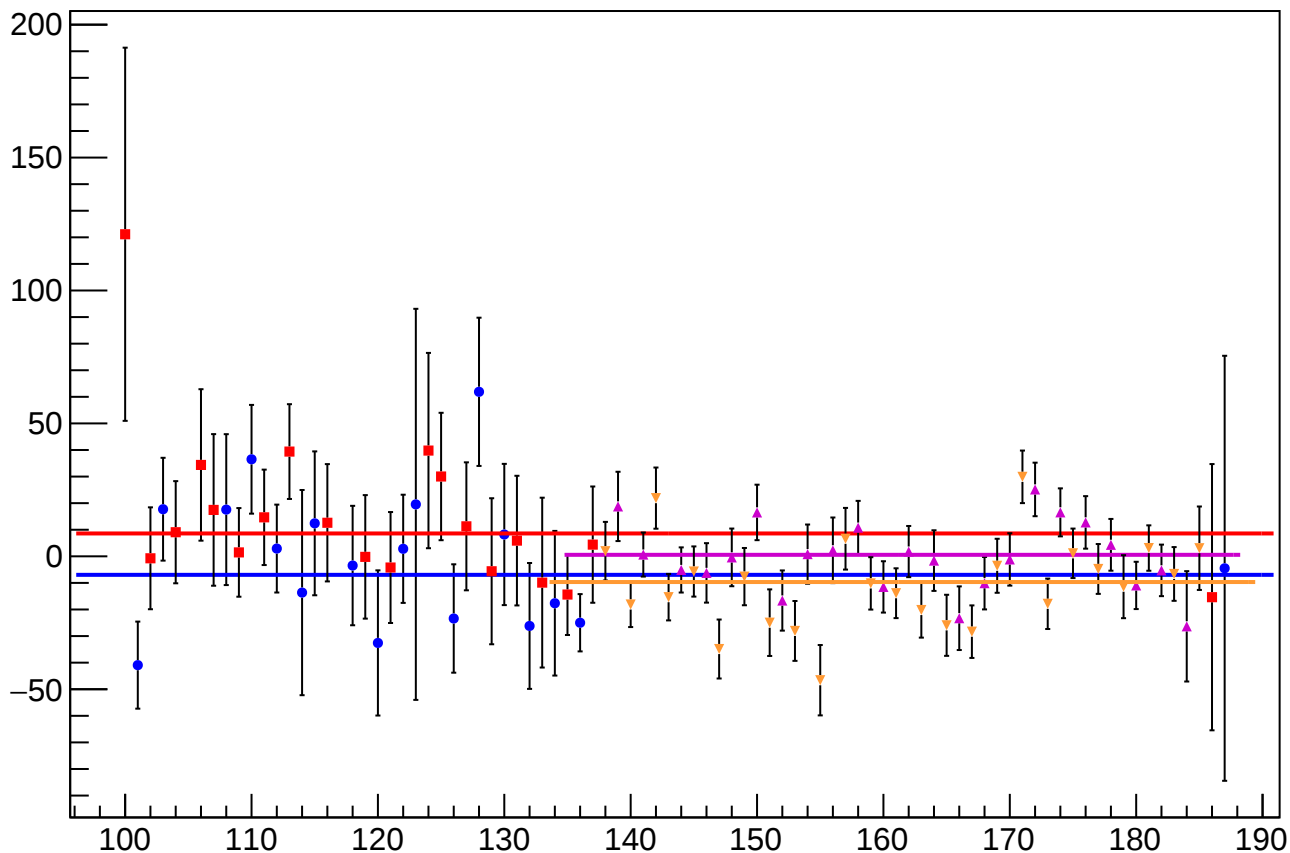
Right: 7765.071 $\pm$ 1.514 χ^2/NDF : 2196695.7/37

In: 7231.613 $\pm$ 1.059 χ^2/NDF : 1500805.1/40

Out: 7241.525 $\pm$ 1.028 χ^2/NDF : 1755694.5/44

All: 7236.715 $\pm$ 0.737 χ^2/NDF : 3256544.8/85

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.965 ± 5.086 $\chi^2/\text{NDF}: 24.0/17$

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

Right Out: 8.602 ± 5.054 $\chi^2/\text{NDF}: 12.3/19$

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

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

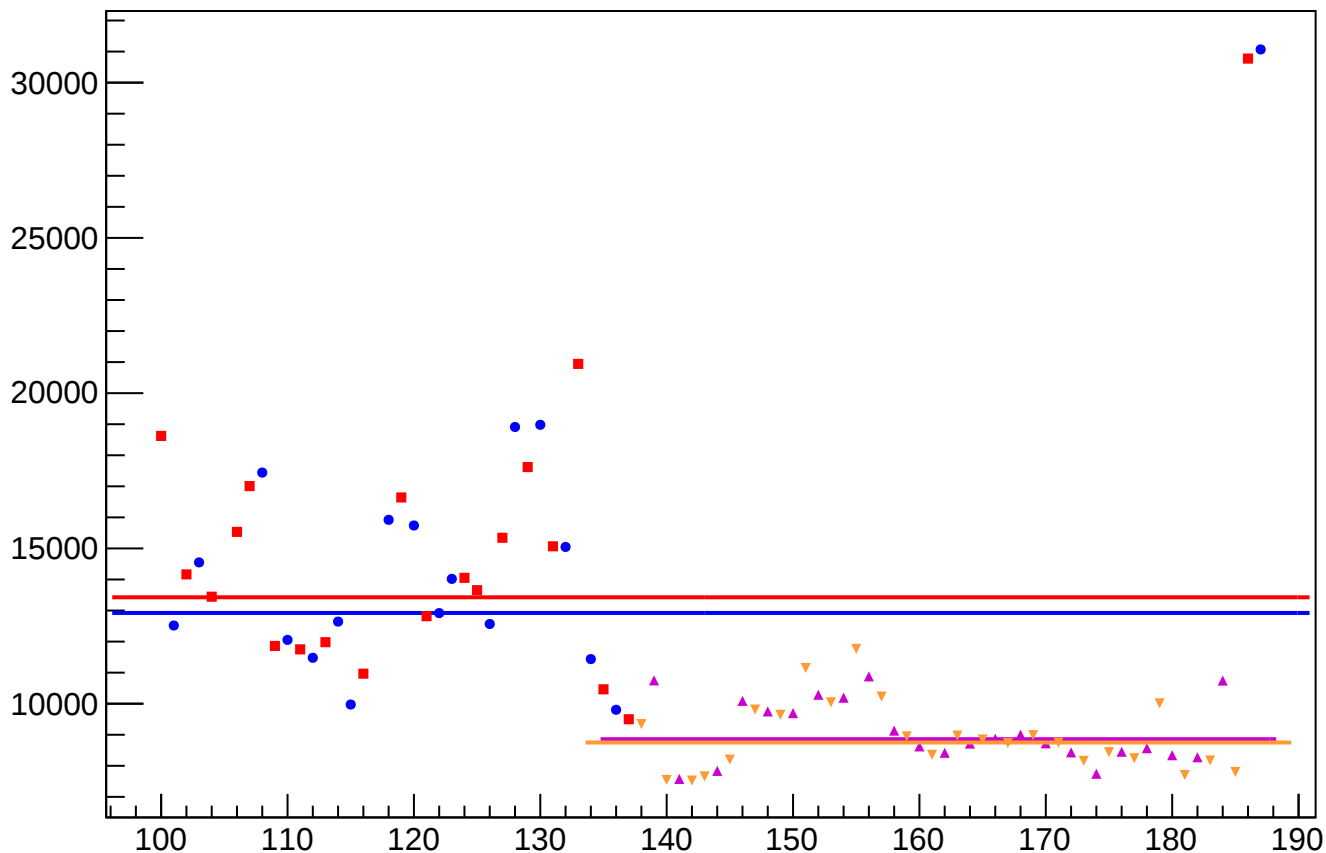
Right: 0.867 ± 3.585 $\chi^2/\text{NDF}: 41.0/37$

In: -0.572 ± 1.975 $\chi^2/\text{NDF}: 55.7/40$

Out: -7.066 ± 1.908 $\chi^2/\text{NDF}: 81.4/44$

All: -3.931 ± 1.372 $\chi^2/\text{NDF}: 142.6/85$

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12922.452 $\pm$ 3.596 χ^2 /NDF: 655686.7/17

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

Right Out: 13426.617 $\pm$ 3.574 χ^2 /NDF: 729665.5/19

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

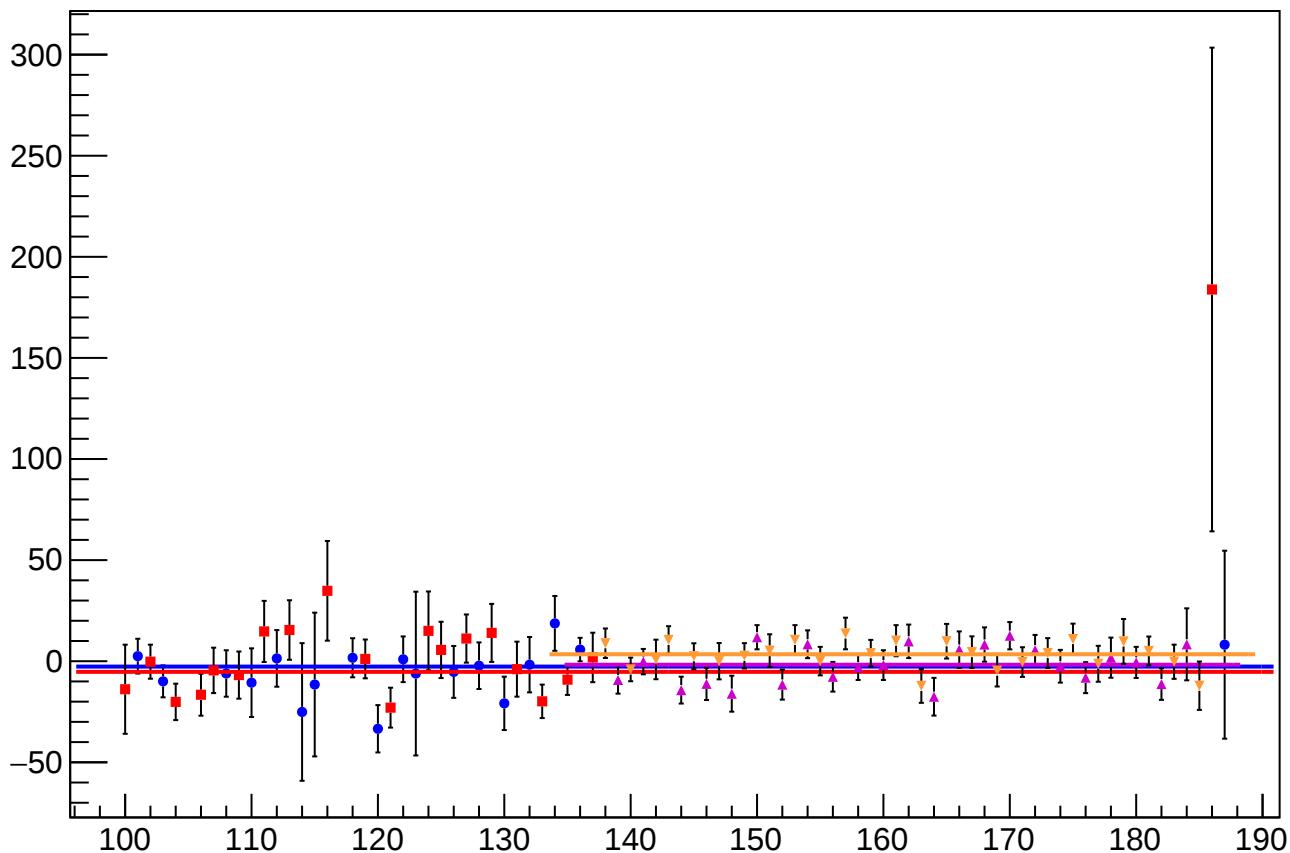
Right: 13176.104 $\pm$ 2.535 χ^2 /NDF: 1395241.0/37

In: 9470.622 $\pm$ 1.397 χ^2 /NDF: 2102531.7/40

Out: 9416.953 $\pm$ 1.349 χ^2 /NDF: 2661608.2/44

All: 9442.859 $\pm$ 0.970 χ^2 /NDF: 4764903.6/85

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.656 $\pm$ 2.732 χ^2/NDF : 15.9/17

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

Right Out: -5.250 $\pm$ 2.592 χ^2/NDF : 26.1/19

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

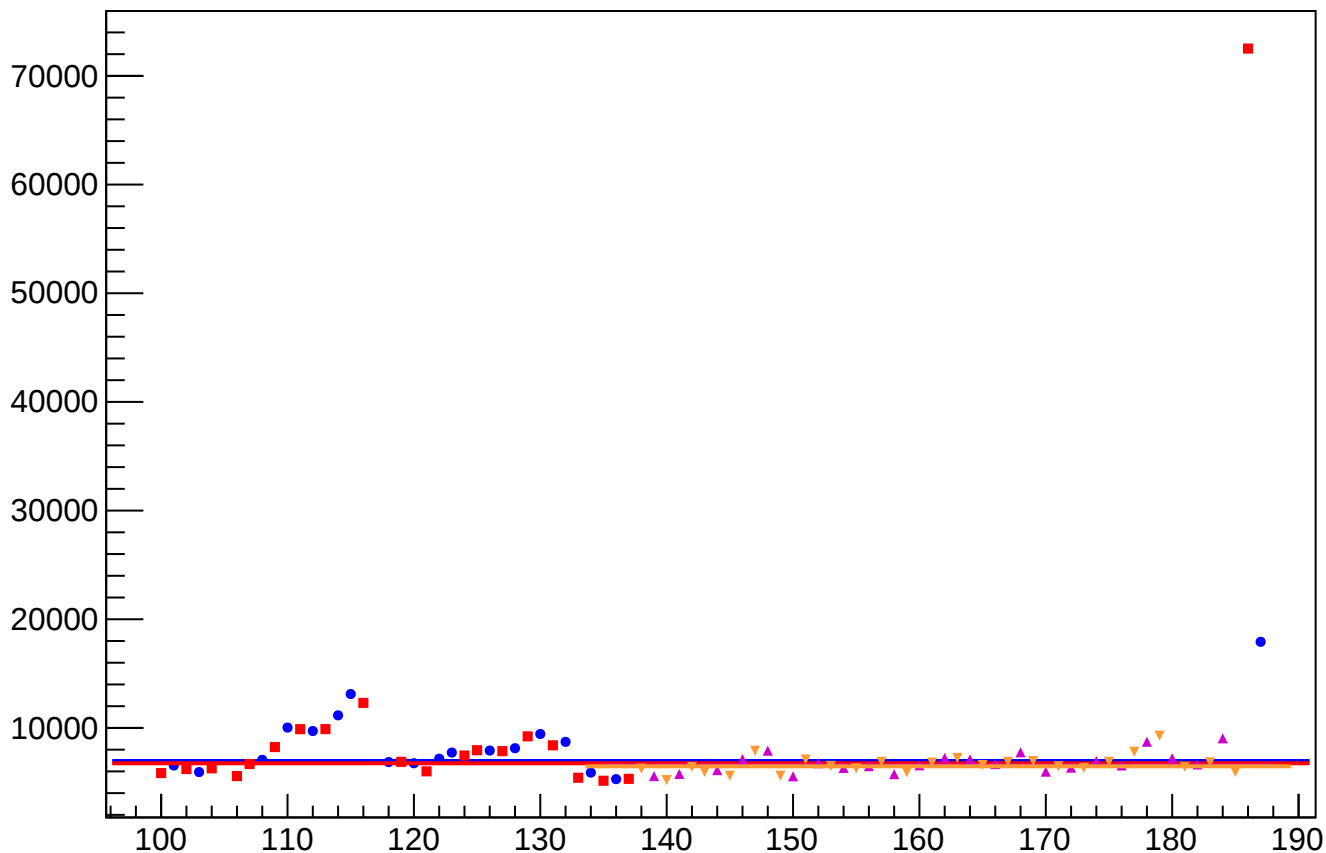
Right: -4.021 $\pm$ 1.880 χ^2/NDF : 42.5/37

In: -1.967 $\pm$ 1.371 χ^2/NDF : 49.6/40

Out: 1.198 $\pm$ 1.315 χ^2/NDF : 50.6/44

All: -0.317 $\pm$ 0.949 χ^2/NDF : 103.0/85

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6955.717 $\pm$ 1.932 χ^2 /NDF: 698936.5/17

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

Right Out: 6745.982 $\pm$ 1.833 χ^2 /NDF: 1265007.3/19

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

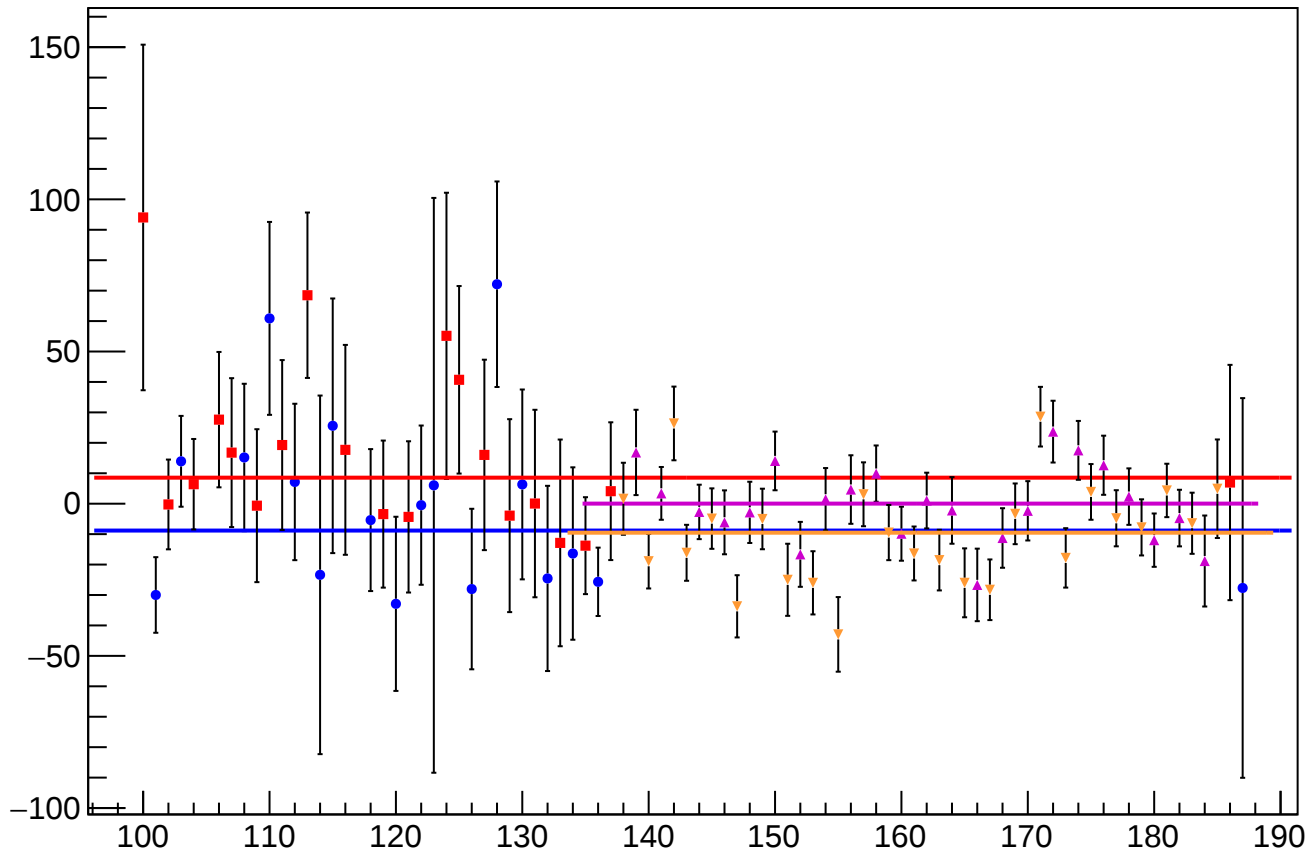
Right: 6845.339 $\pm$ 1.329 χ^2 /NDF: 1970148.5/37

In: 6638.024 $\pm$ 0.970 χ^2 /NDF: 1199773.4/40

Out: 6540.186 $\pm$ 0.930 χ^2 /NDF: 1769175.0/44

All: 6587.040 $\pm$ 0.671 χ^2 /NDF: 2974252.2/85

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.827 ± 5.381 $\chi^2/\text{NDF}: 22.2/17$

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

Right Out: 8.553 ± 5.461 $\chi^2/\text{NDF}: 14.0/19$

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

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

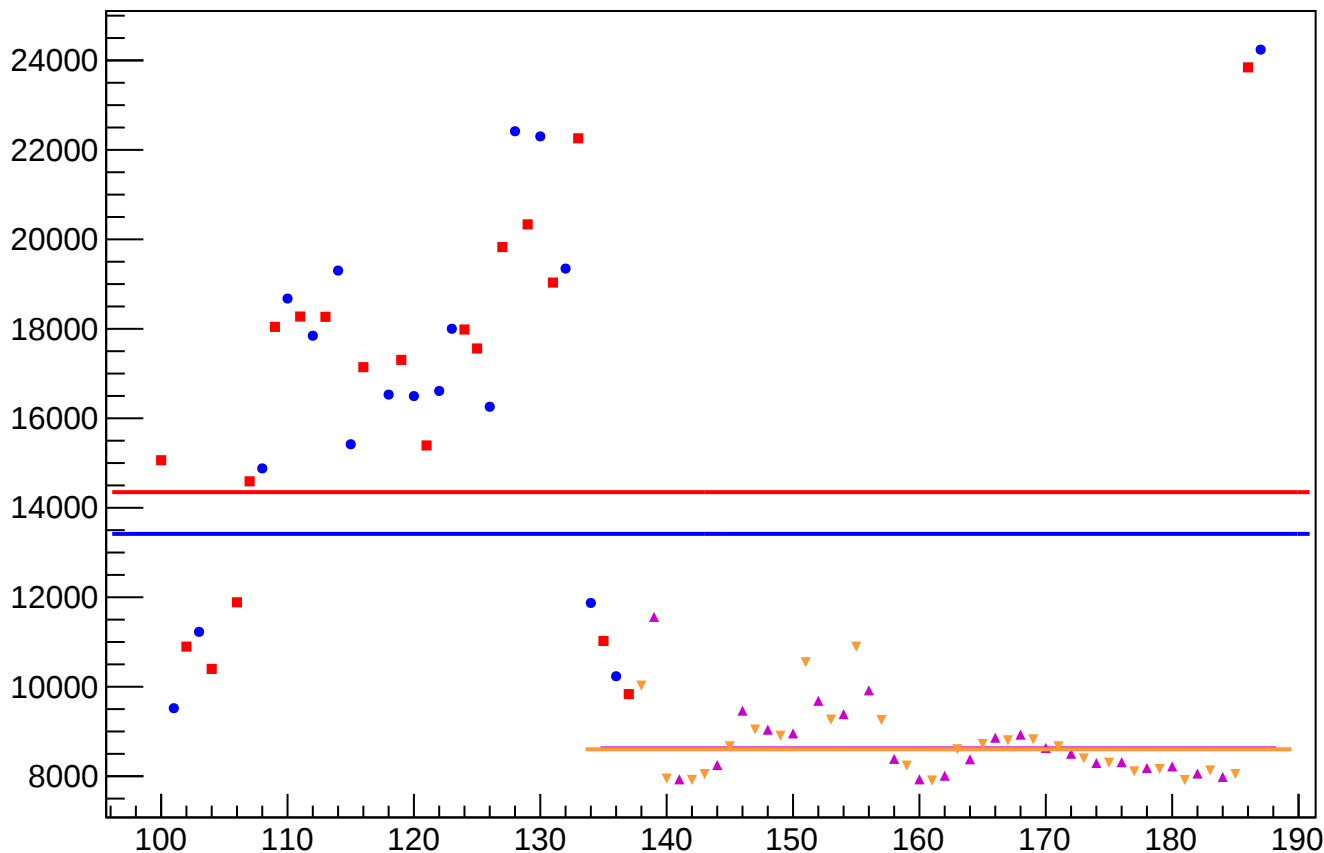
Right: -0.264 ± 3.833 $\chi^2/\text{NDF}: 41.4/37$

In: -1.124 ± 1.940 $\chi^2/\text{NDF}: 54.5/40$

Out: -7.361 ± 1.891 $\chi^2/\text{NDF}: 83.2/44$

All: -4.323 ± 1.354 $\chi^2/\text{NDF}: 143.0/85$

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13417.004 $\pm$ 3.805 χ^2 /NDF: 1109920.8/17

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

Right Out: 14349.308 $\pm$ 3.861 χ^2 /NDF: 1055546.2/19

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

Left: 8611.634 $\pm$ 1.023 χ^2 /NDF: 479823.8/47

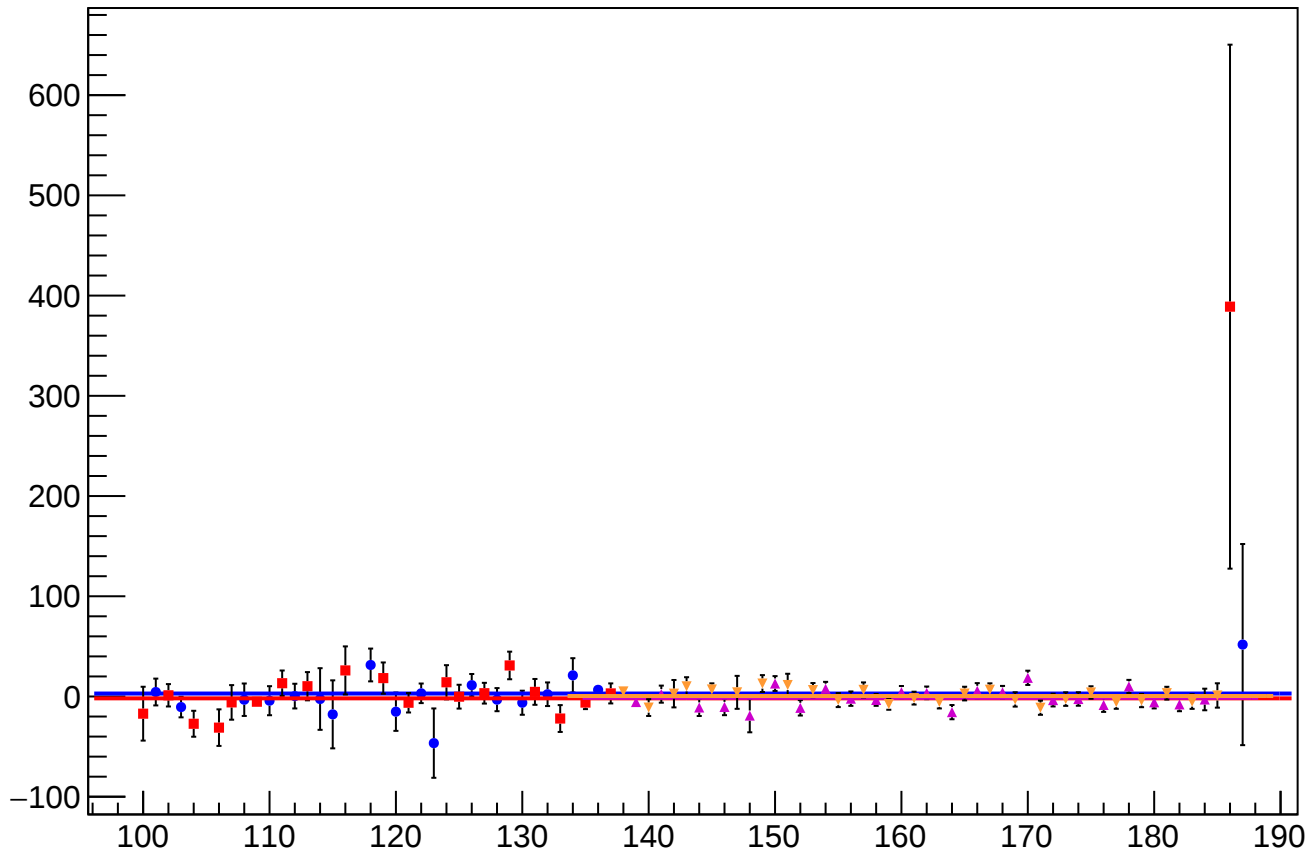
Right: 13876.298 $\pm$ 2.710 χ^2 /NDF: 2195042.4/37

In: 9245.197 $\pm$ 1.372 χ^2 /NDF:2722396.9/40

Out: 9290.809 $\pm$ 1.337 χ^2 /NDF:3254273.2/44

All: 9268.591 $\pm$ 0.957 χ^2 /NDF: 5977237.1/85

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.948 ± 2.757 $\chi^2/\text{NDF}: 12.0/17$

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

Right Out: -1.858 ± 2.444 $\chi^2/\text{NDF}: 25.0/19$

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

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

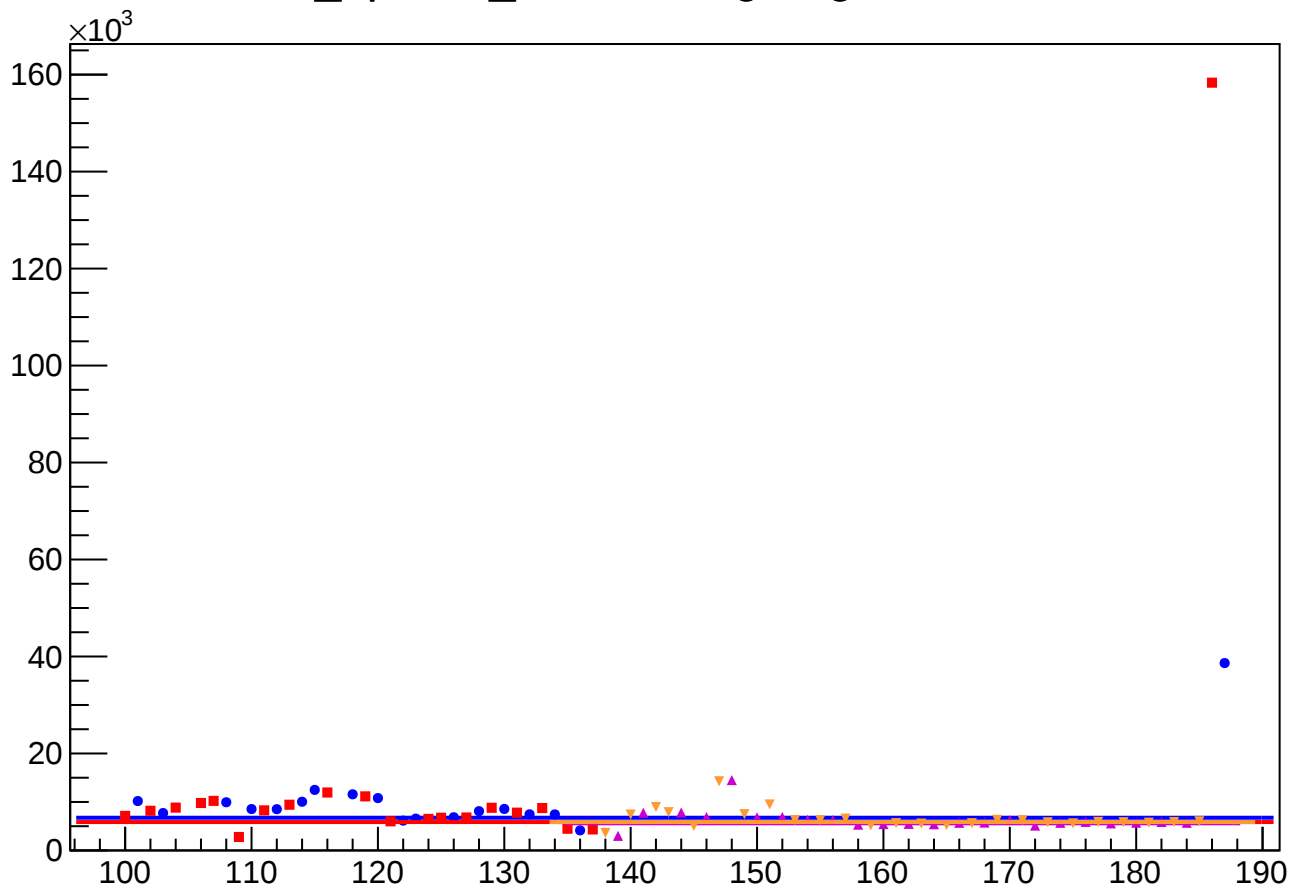
Right: 0.257 ± 1.829 $\chi^2/\text{NDF}: 38.7/37$

In: -0.421 ± 1.253 $\chi^2/\text{NDF}: 47.0/40$

Out: -0.109 ± 1.227 $\chi^2/\text{NDF}: 45.3/44$

All: -0.262 ± 0.877 $\chi^2/\text{NDF}: 92.2/85$

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6748.496 $\pm$ 1.949 χ^2/NDF : 1593956.1/17

Left Out: 5858.642 $\pm$ 1.004 χ^2/NDF : 1691344.1/24

Right Out: 5856.335 $\pm$ 1.728 χ^2/NDF : 2961333.6/19

Left In: 5596.879 $\pm$ 0.994 χ^2/NDF : 2089750.1/22

Left: 5726.555 $\pm$ 0.706 χ^2/NDF : 3815425.5/47

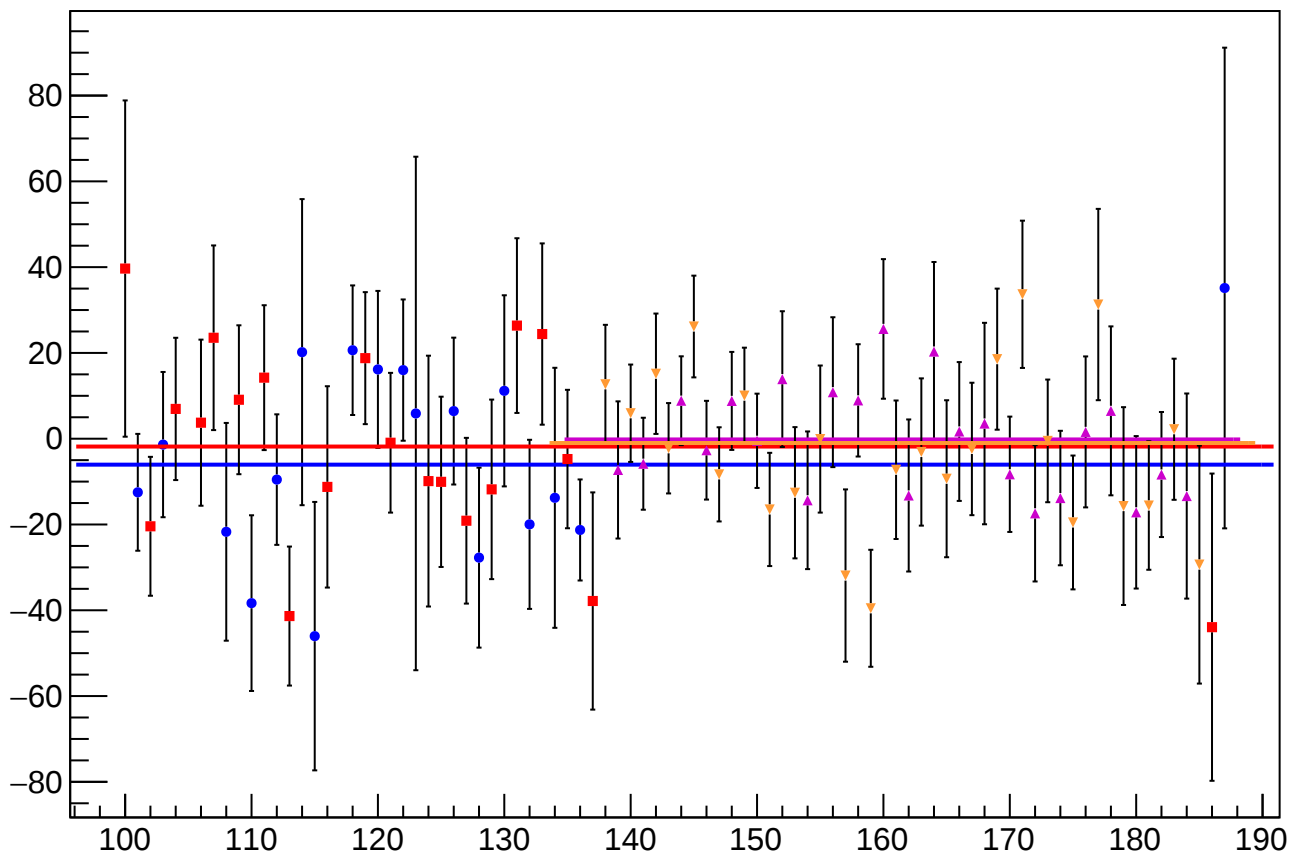
Right: 6248.946 $\pm$ 1.293 χ^2/NDF : 4672589.1/37

In: 5834.679 $\pm$ 0.886 χ^2/NDF : 3960681.4/40

Out: 5858.060 $\pm$ 0.868 χ^2/NDF : 4652679.1/44

All: 5846.609 $\pm$ 0.620 χ^2/NDF : 8613716.0/85

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -6.049 $\pm$ 4.510 χ^2/NDF : 16.8/17

Left Out: -1.007 $\pm$ 2.942 χ^2/NDF : 33.5/24

Right Out: -1.828 $\pm$ 4.349 χ^2/NDF : 21.6/19

Left In: -0.172 $\pm$ 3.067 χ^2/NDF : 12.4/22

Left: -0.607 $\pm$ 2.123 χ^2/NDF : 45.9/47

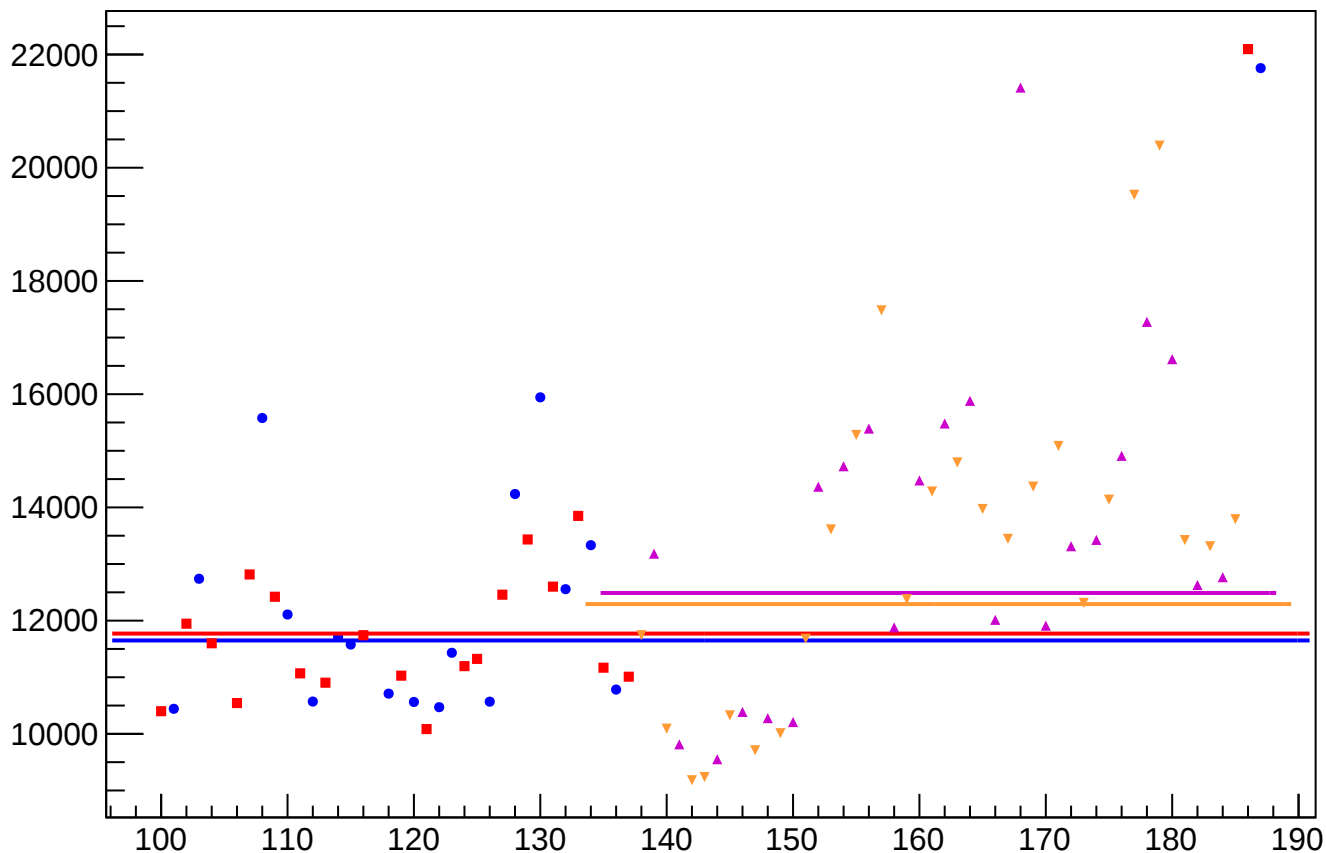
Right: -3.862 $\pm$ 3.131 χ^2/NDF : 38.8/37

In: -2.031 $\pm$ 2.536 χ^2/NDF : 30.3/40

Out: -1.265 $\pm$ 2.437 χ^2/NDF : 55.1/44

All: -1.632 $\pm$ 1.757 χ^2/NDF : 85.4/85

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11649.964+/-3.189

χ^2/NDF : 307069.1/17

Left: 12386.599+/-1.501

χ^2/NDF : 2861298.1/47

Left Out: 12292.583+/-2.080

χ^2/NDF : 1502548.3/24

Right: 11712.870+/-2.214

χ^2/NDF : 571947.3/37

Right Out: 11771.367+/-3.075

χ^2/NDF : 264127.4/19

In: 12223.548+/-1.793

χ^2/NDF : 1708859.8/40

Out: 12128.997+/-1.723

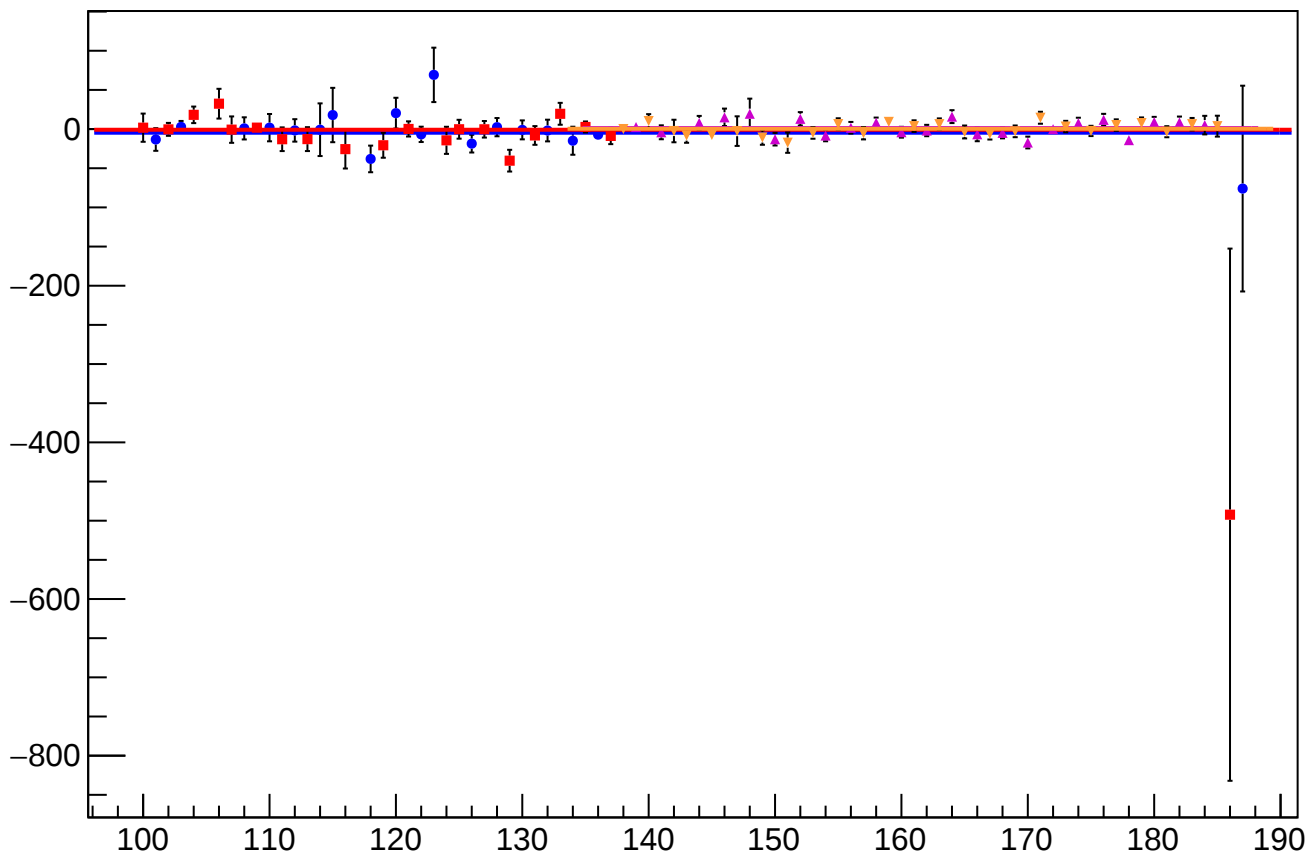
χ^2/NDF : 1786383.6/44

Left In: 12488.821+/-2.169

χ^2/NDF : 1354485.4/22

All: 12174.377+/-1.242 χ^2/NDF : 3496688.9/8

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.648 ± 2.781 χ^2/NDF : 15.1/17

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

Right Out: -0.866 ± 2.431 χ^2/NDF : 24.6/19

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

Left: 0.859 ± 0.997 χ^2/NDF : 53.5/47

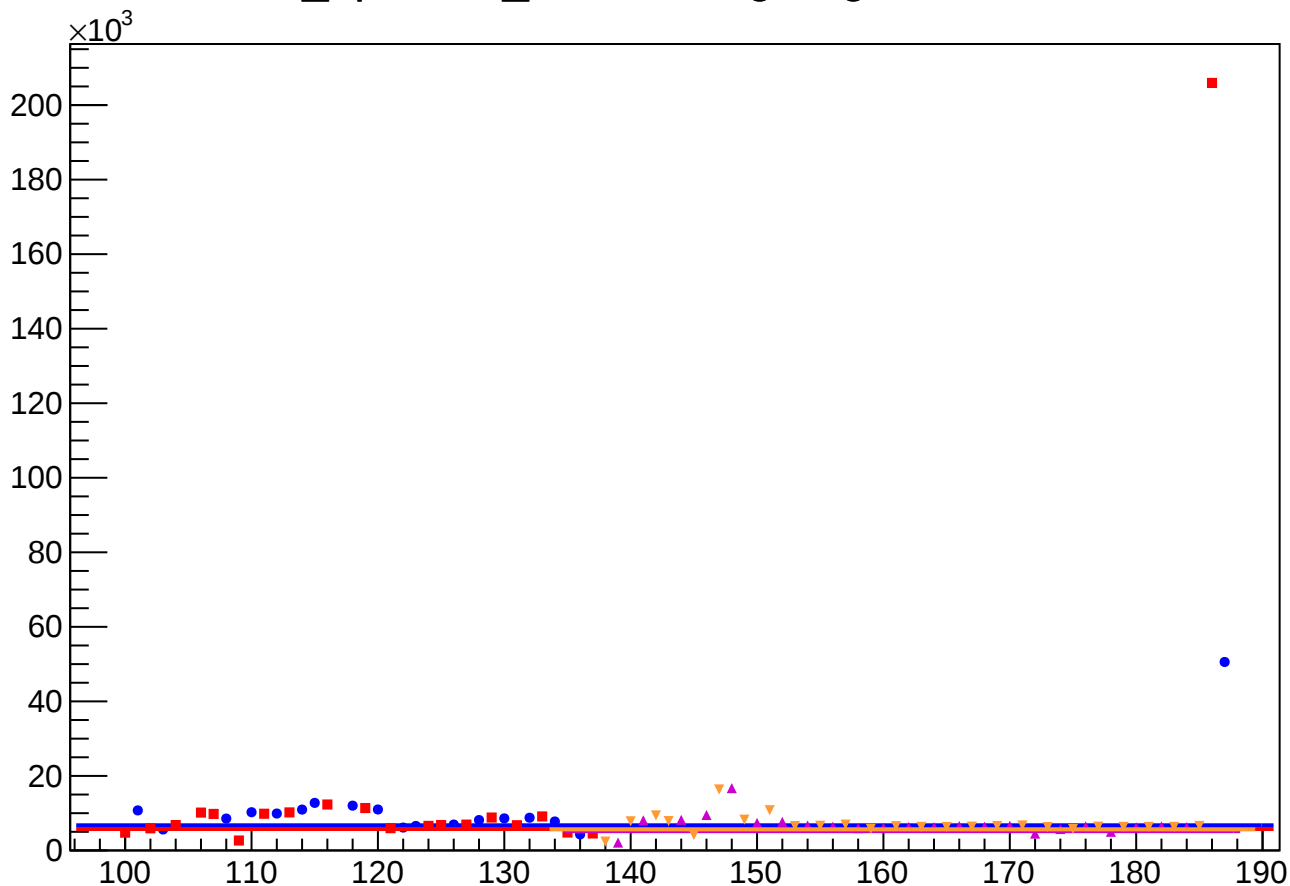
Right: -2.504 ± 1.830 χ^2/NDF : 40.8/37

In: 0.100 ± 1.240 χ^2/NDF : 52.7/40

Out: 0.081 ± 1.235 χ^2/NDF : 44.1/44

All: 0.090 ± 0.875 χ^2/NDF : 96.8/85

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6750.584 $\pm$ 1.967 χ^2/NDF : 1667269.3/17

Left Out: 5655.639 $\pm$ 1.014 χ^2/NDF : 4124124.3/24

Right Out: 5755.953 $\pm$ 1.719 χ^2/NDF : 2859050.8/19

Left In: 5180.743 $\pm$ 0.980 χ^2/NDF : 5350053.6/22

Left: 5409.966 $\pm$ 0.705 χ^2/NDF : 9587556.1/47

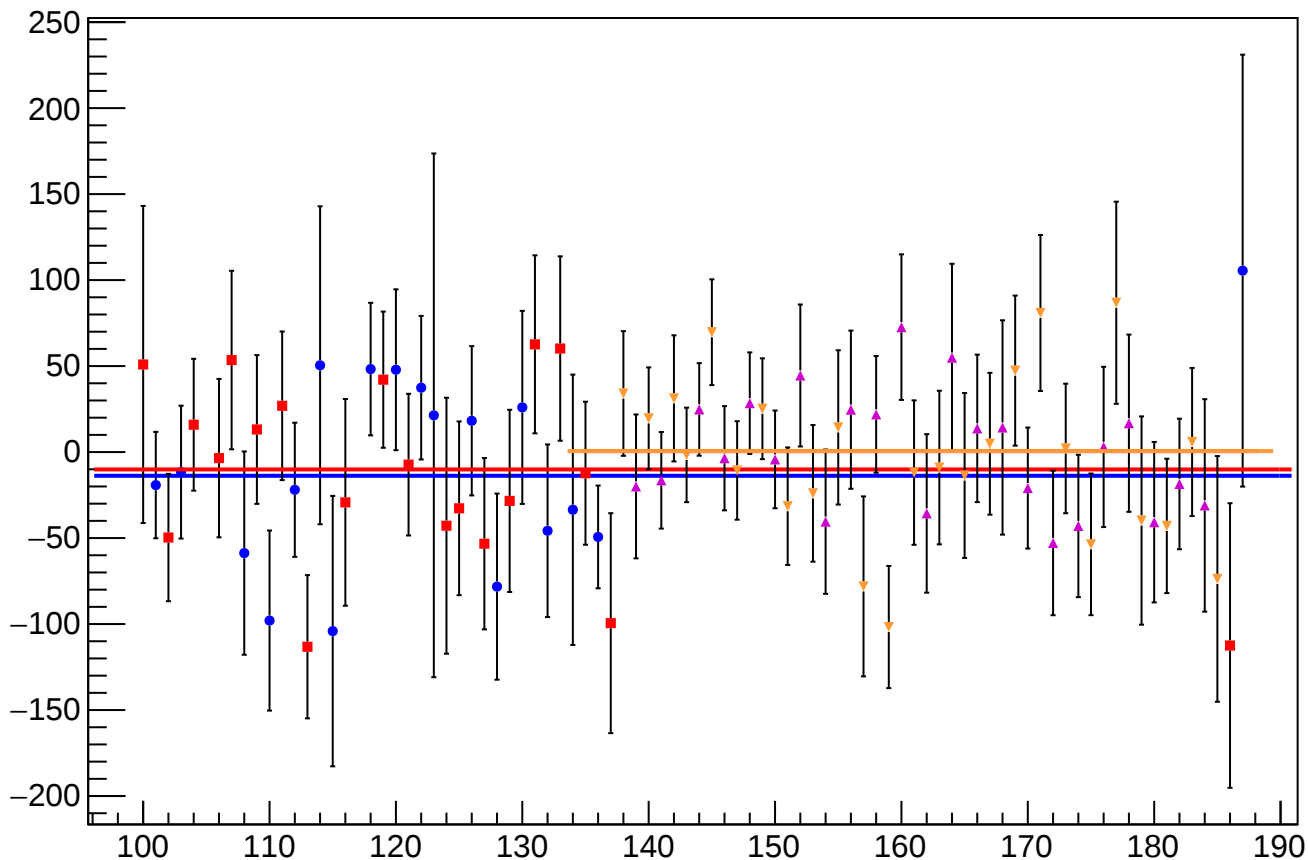
Right: 6186.661 $\pm$ 1.294 χ^2/NDF : 4671345.0/37

In: 5492.950 $\pm$ 0.877 χ^2/NDF : 7527794.2/40

Out: 5681.556 $\pm$ 0.874 χ^2/NDF : 6985701.6/44

All: 5587.623 $\pm$ 0.619 χ^2/NDF : 14536710.1/8

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -13.779 ± 11.192 χ^2/NDF : 16.2/17

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

Right Out: -10.104 ± 10.819 χ^2/NDF : 21.0/19

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

Left: 0.572 ± 5.549 χ^2/NDF : 45.3/47

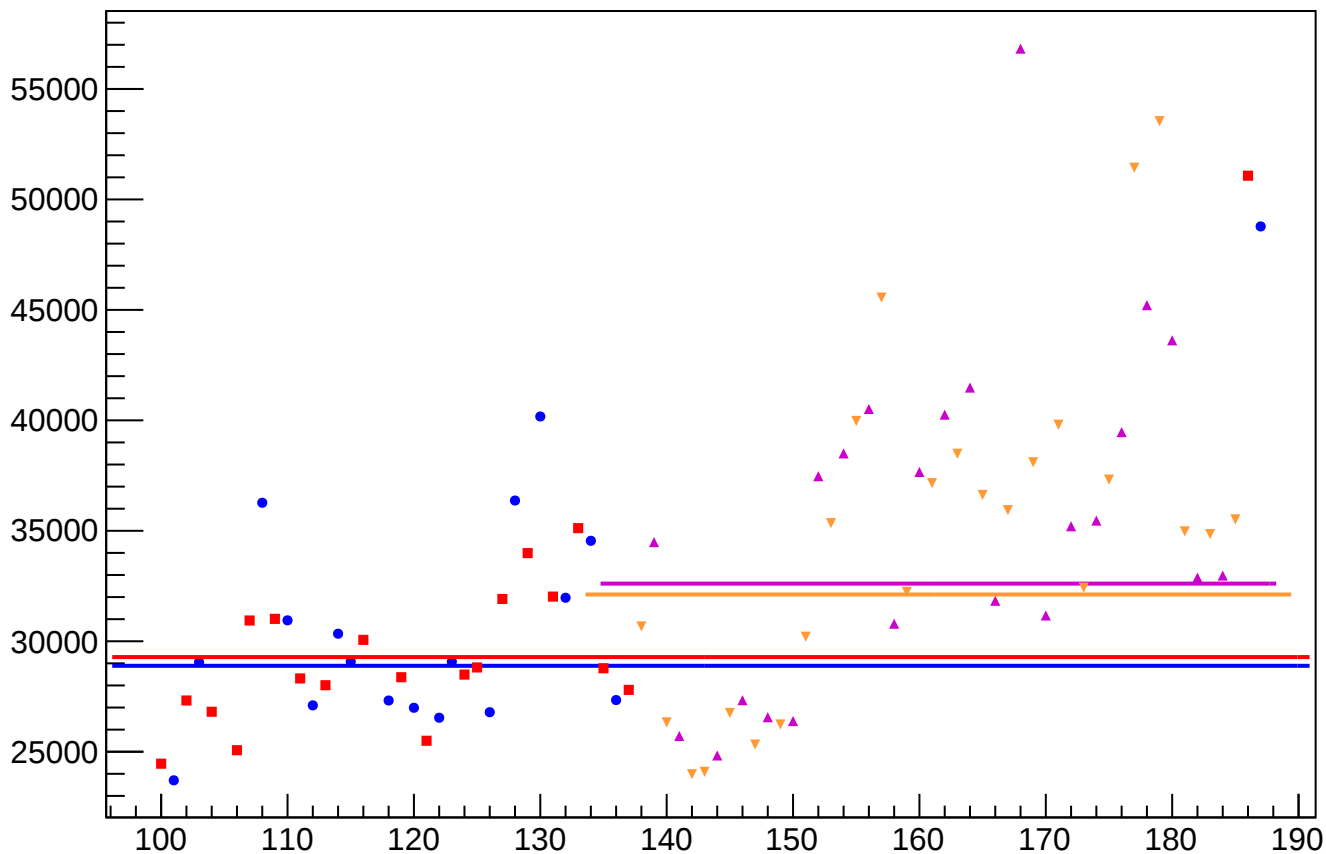
Right: -11.879 ± 7.779 χ^2/NDF : 37.3/37

In: -4.297 ± 6.516 χ^2/NDF : 31.5/40

Out: -3.007 ± 6.268 χ^2/NDF : 52.7/44

All: -3.627 ± 4.517 χ^2/NDF : 84.2/85

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28889.172+/-7.914

χ^2/NDF : 305387.1/17

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

Right: 29093.731+/-5.500 χ^2/NDF : 560487.0/37

Left Out: 32117.184+/-5.438

χ^2/NDF : 1536740.0/24

In: 31348.849+/-4.608 χ^2/NDF : 1849990.8/40

Out: 31166.389+/-4.432 χ^2/NDF : 1881610.5/44

Right Out: 29284.863+/-7.650

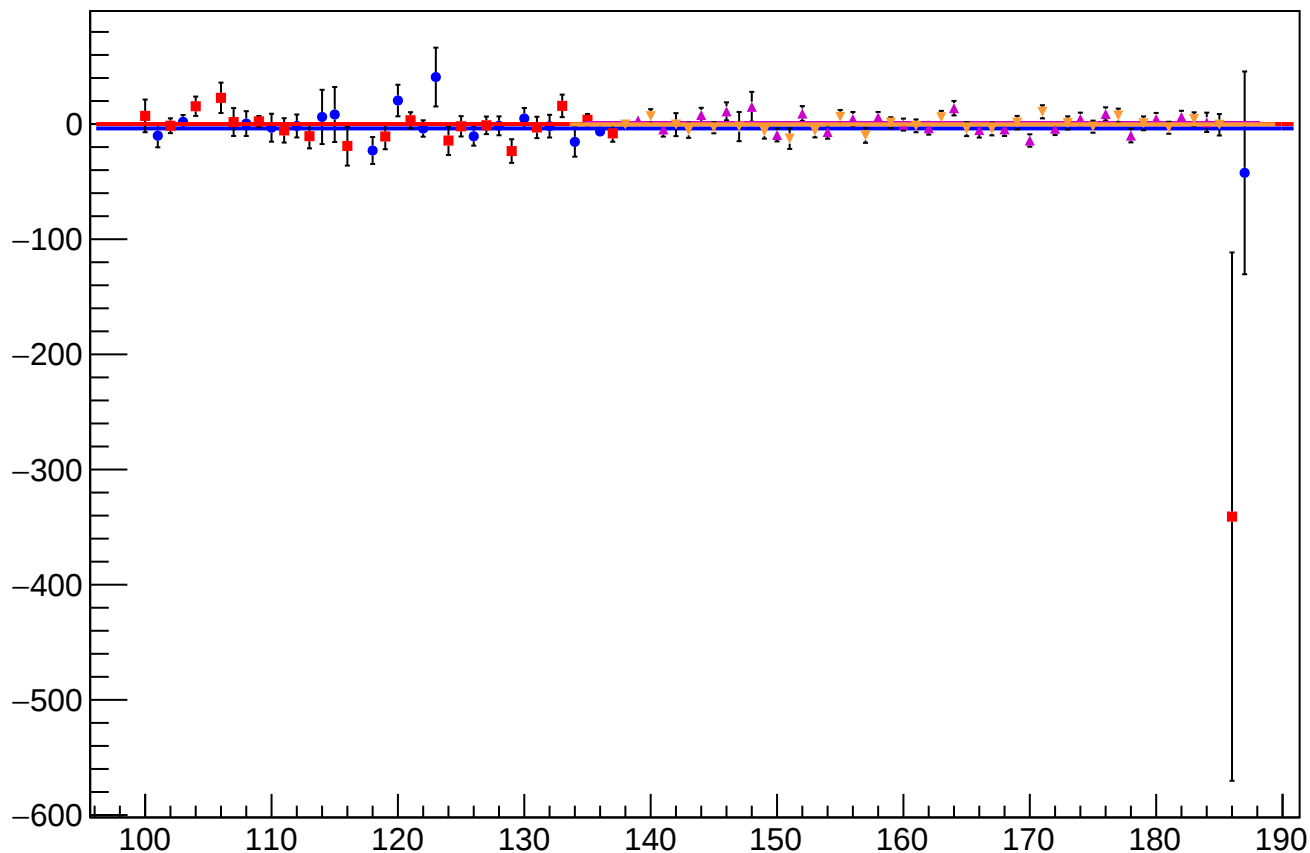
χ^2/NDF : 253807.5/19

Left In: 32610.108+/-5.667

χ^2/NDF : 1398475.8/22

All: 31254.082+/-3.194 χ^2/NDF : 3732415.8/6

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -3.793 ± 2.010 χ^2/NDF : 14.2/17

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

Right Out: 0.019 ± 1.894 χ^2/NDF : 23.9/19

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

Left: 0.345 ± 0.822 χ^2/NDF : 54.7/47

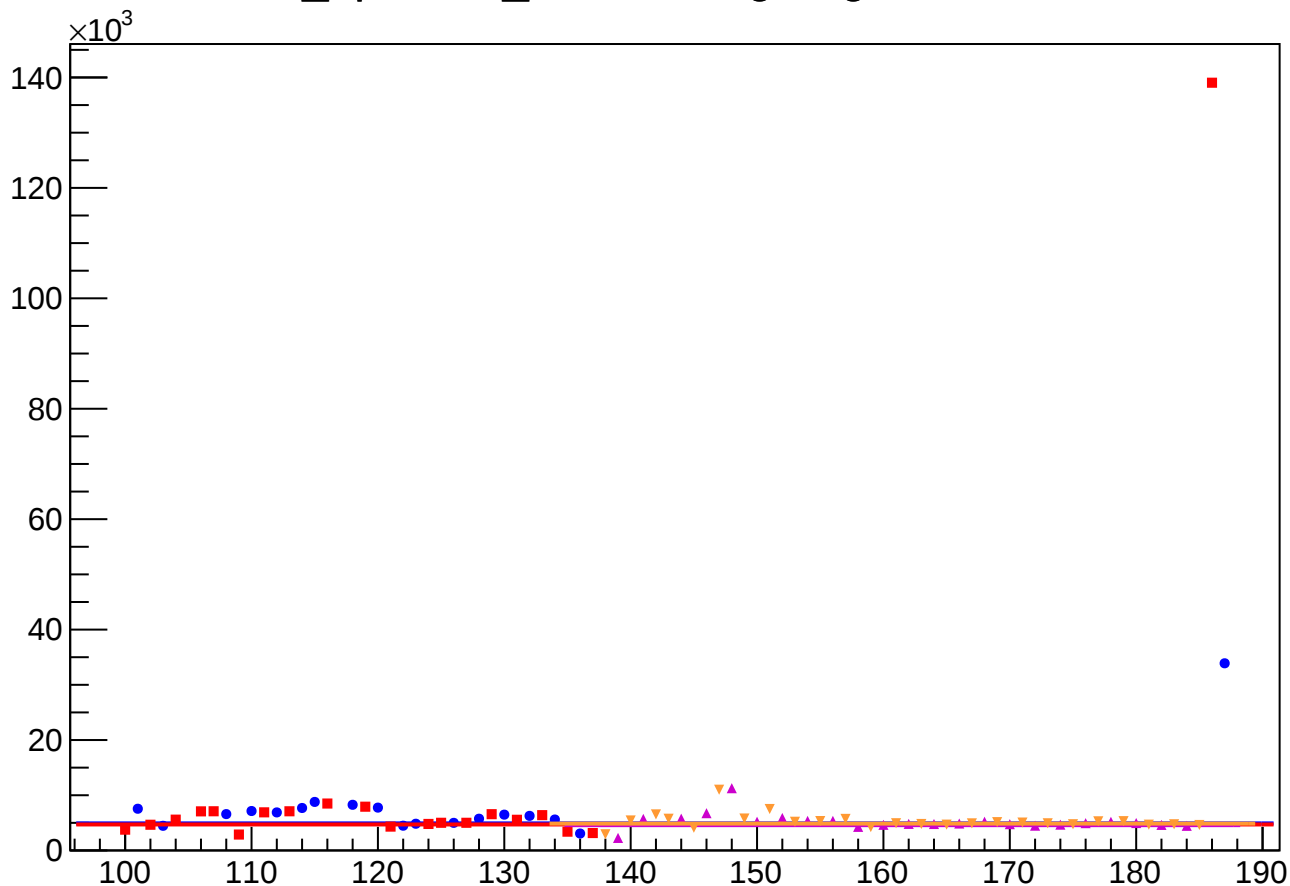
Right: -1.774 ± 1.378 χ^2/NDF : 40.0/37

In: -0.244 ± 1.001 χ^2/NDF : 54.5/40

Out: -0.179 ± 0.997 χ^2/NDF : 41.9/44

All: -0.212 ± 0.706 χ^2/NDF : 96.4/85

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4902.875 ± 1.421 $\chi^2/\text{NDF}: 1625704.1/17$

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

Right Out: 4707.532 ± 1.339 $\chi^2/\text{NDF}: 2001998.7/19$

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

Left: 4722.017 ± 0.582 $\chi^2/\text{NDF}: 4049906.1/47$

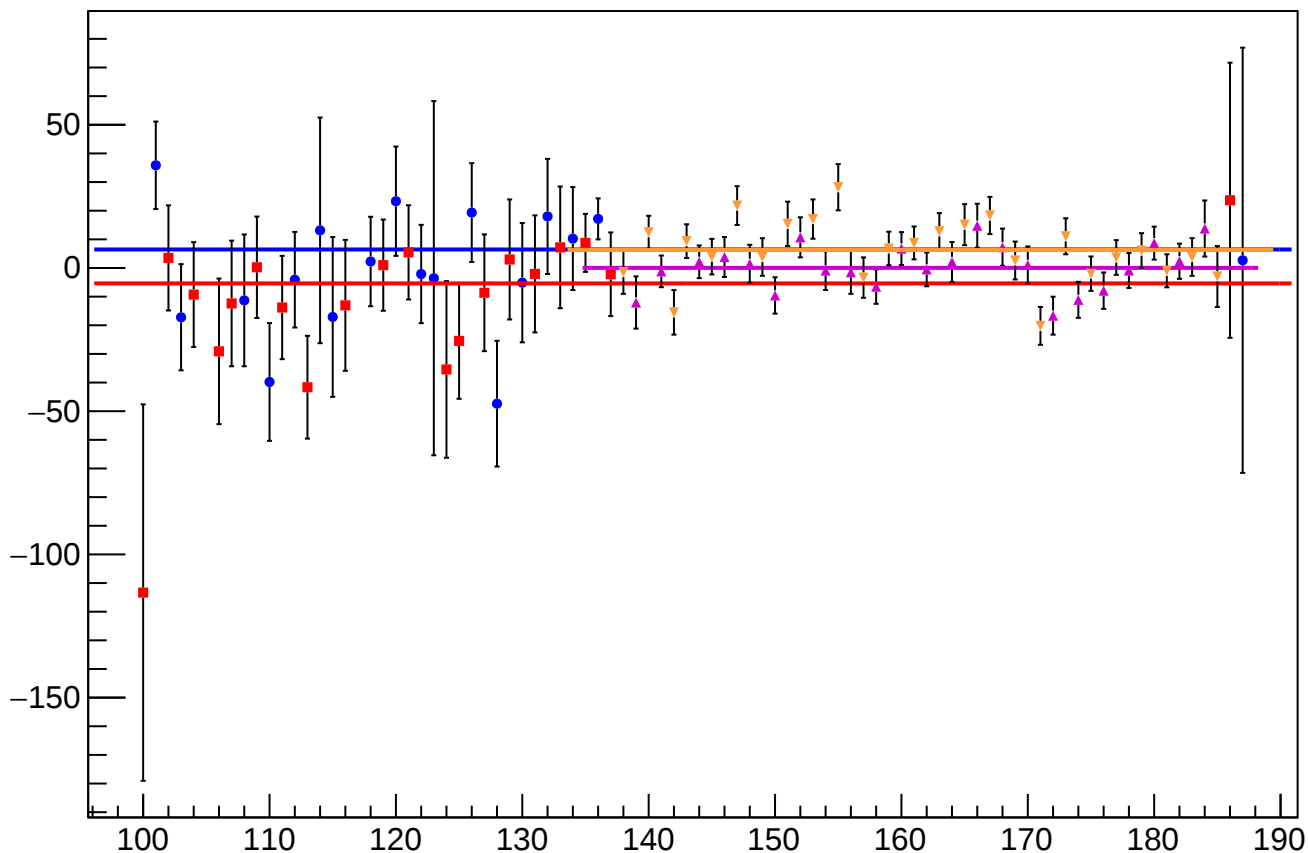
Right: 4799.427 ± 0.975 $\chi^2/\text{NDF}: 3637711.1/37$

In: 4661.690 ± 0.707 $\chi^2/\text{NDF}: 4142691.0/40$

Out: 4822.456 ± 0.705 $\chi^2/\text{NDF}: 3523672.6/44$

All: 4742.344 ± 0.499 $\chi^2/\text{NDF}: 7692269.2/85$

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.470 $\pm$ 4.066 χ^2/NDF : 22.8/17

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

Right Out: -5.376 $\pm$ -4.211 χ^2/NDF : 13.9/19

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

Left: 3.279 $\pm$ -0.944 χ^2/NDF : 97.7/47

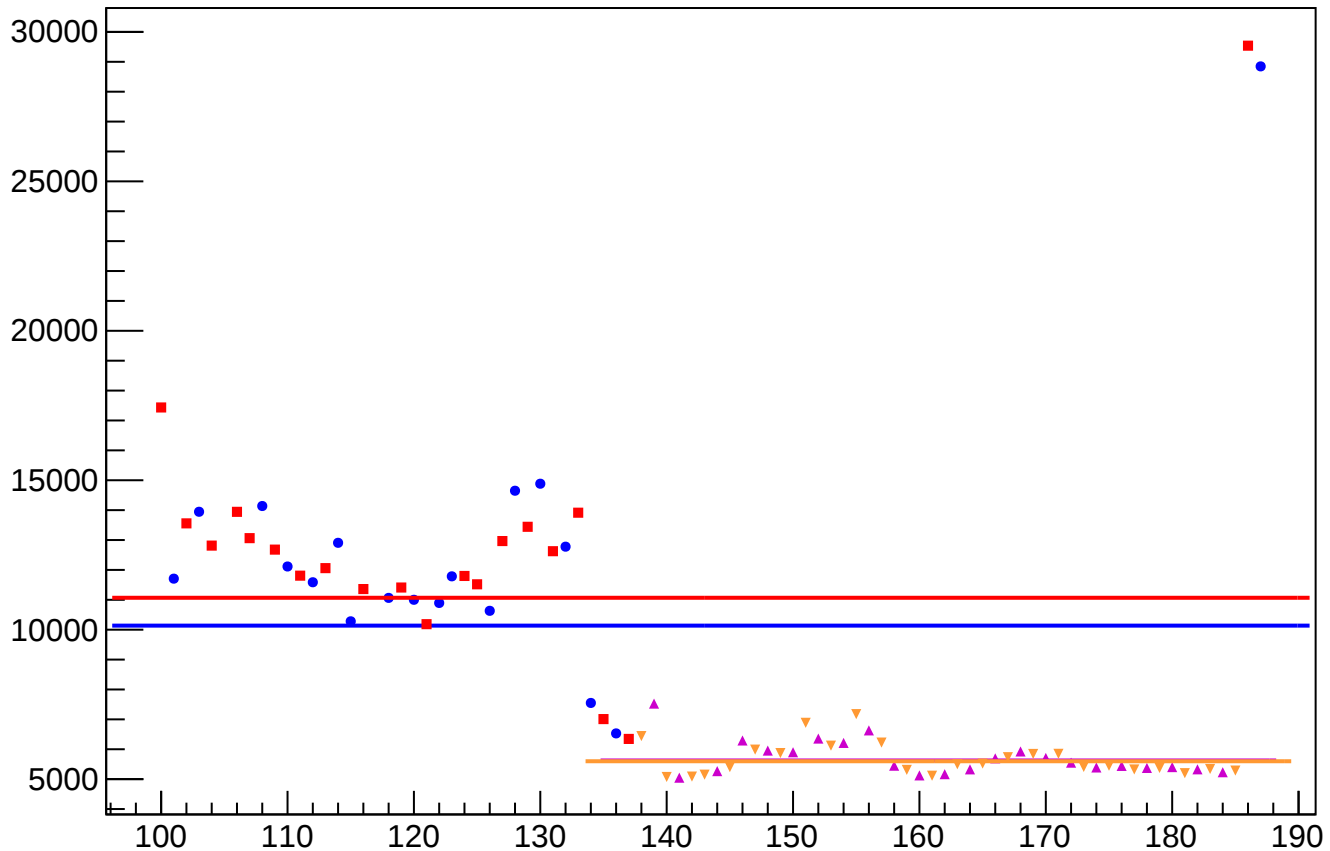
Right: 0.754 $\pm$ -2.925 χ^2/NDF : 40.8/37

In: 0.689 $\pm$ -1.288 χ^2/NDF :55.0/40

Out: 5.268 $\pm$ -1.253 χ^2/NDF :77.6/44

All: 3.041 $\pm$ -0.898 χ^2/NDF : 139.1/85

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10136.252+/-2.875 χ^2/NDF : 1126878.1/17

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

Right Out: 11067.999+/-2.977 χ^2/NDF : 1067733.4/19

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

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

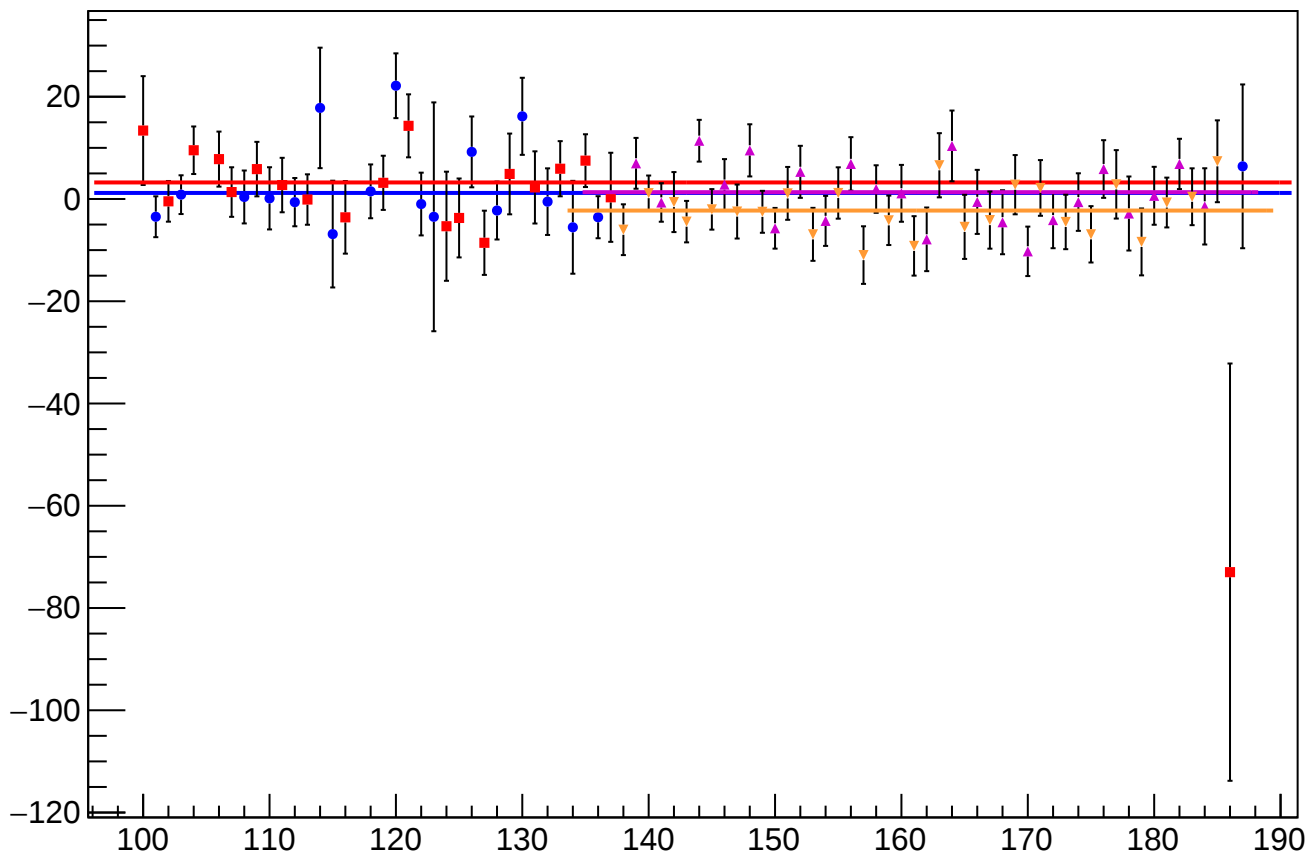
Right: 10585.850+/-2.068 χ^2/NDF : 2245287.8/37

In: 6077.697+/-0.911 χ^2/NDF : 3614241.8/40

Out: 6083.160+/-0.886 χ^2/NDF : 4426383.0/44

All: 6080.503+/-0.635 χ^2/NDF : 8040643.3/85

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.184 ± 1.392 $\chi^2/\text{NDF}: 23.0/17$

Left Out: -2.262 ± 1.030 $\chi^2/\text{NDF}: 15.5/24$

Right Out: 3.234 ± 1.335 $\chi^2/\text{NDF}: 18.9/19$

Left In: 1.328 ± 1.082 $\chi^2/\text{NDF}: 30.6/22$

Left: -0.555 ± 0.746 $\chi^2/\text{NDF}: 51.9/47$

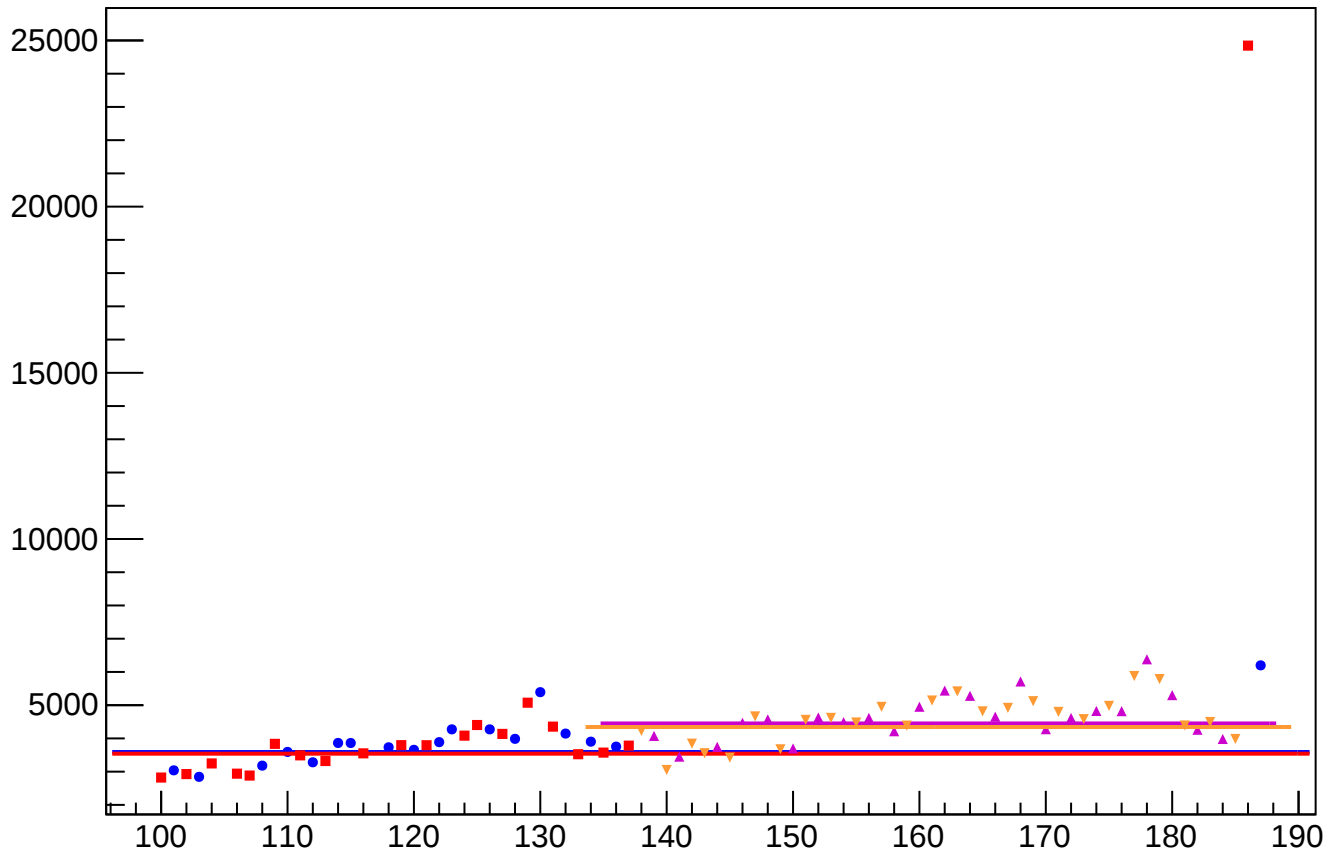
Right: 2.252 ± 0.963 $\chi^2/\text{NDF}: 43.0/37$

In: 1.274 ± 0.854 $\chi^2/\text{NDF}: 53.6/40$

Out: -0.210 ± 0.815 $\chi^2/\text{NDF}: 45.1/44$

All: 0.497 ± 0.590 $\chi^2/\text{NDF}: 100.2/85$

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3590.400 ± 0.985 $\chi^2/\text{NDF}: 363813.1/17$

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

Right Out: 3540.761 ± 0.944 $\chi^2/\text{NDF}: 841814.8/19$

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

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

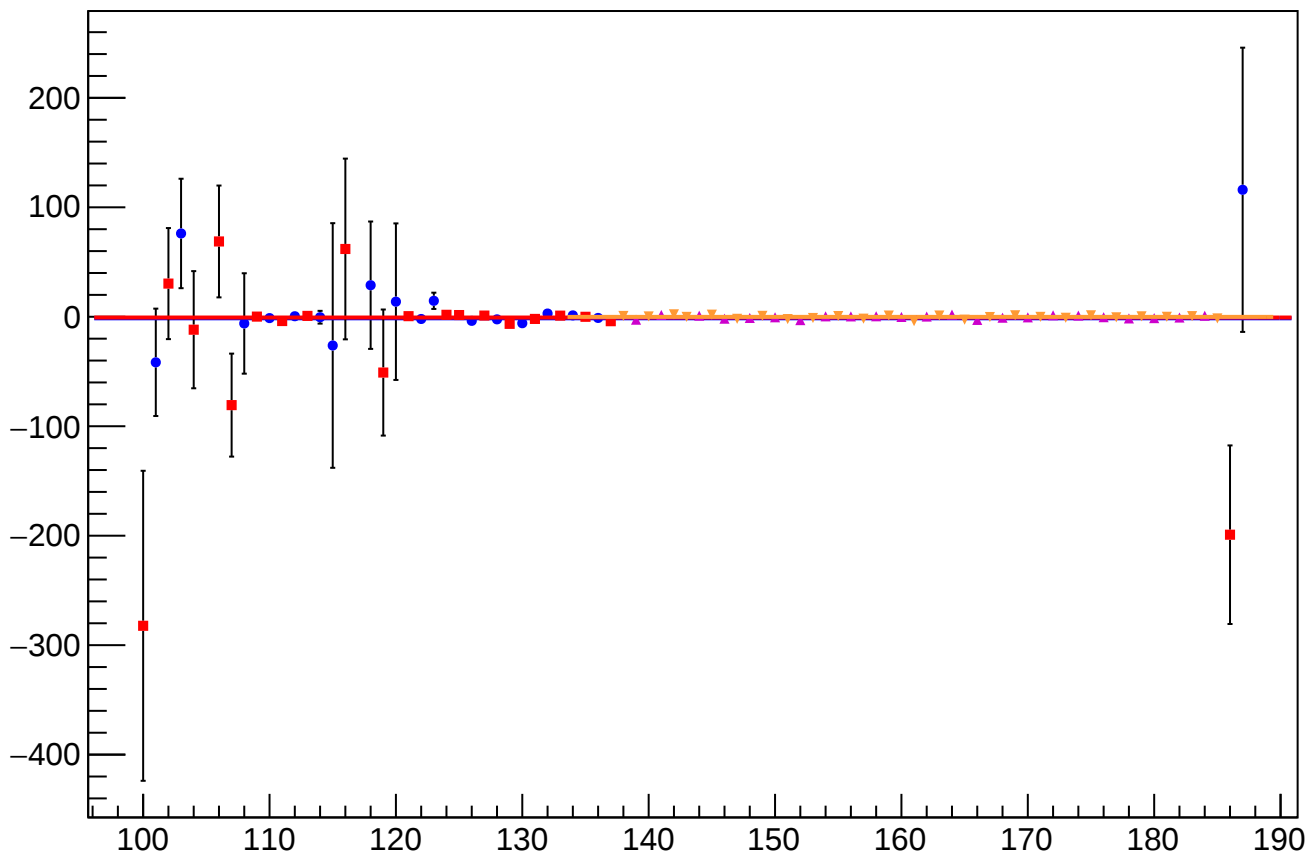
Right: 3564.528 ± 0.681 $\chi^2/\text{NDF}: 1206952.7/37$

In: 4126.364 ± 0.604 $\chi^2/\text{NDF}: 1532306.8/40$

Out: 4043.240 ± 0.577 $\chi^2/\text{NDF}: 2287314.9/44$

All: 4082.866 ± 0.417 $\chi^2/\text{NDF}: 3829528.3/85$

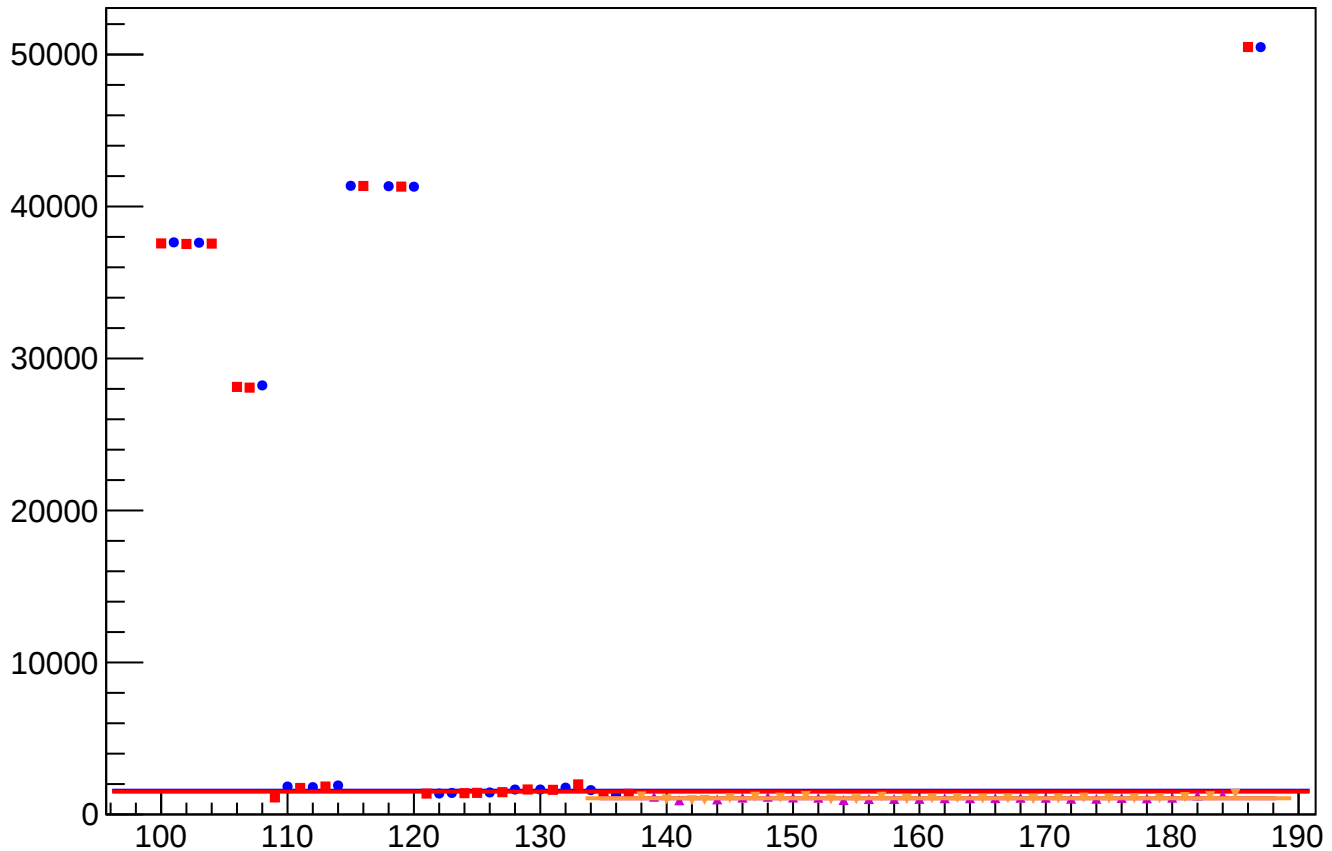
diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.398 ± 0.751 $\chi^2/\text{NDF}: 17.5/17$
Left Out: -0.092 ± 0.249 $\chi^2/\text{NDF}: 34.4/24$
Right Out: -0.679 ± 0.713 $\chi^2/\text{NDF}: 27.4/19$
Left In: -0.259 ± 0.257 $\chi^2/\text{NDF}: 27.2/22$

Left: -0.173 ± 0.179 $\chi^2/\text{NDF}: 61.9/47$
Right: -1.020 ± 0.517 $\chi^2/\text{NDF}: 45.4/37$
In: -0.379 ± 0.243 $\chi^2/\text{NDF}: 46.8/40$
Out: -0.155 ± 0.235 $\chi^2/\text{NDF}: 62.4/44$
All: -0.263 ± 0.169 $\chi^2/\text{NDF}: 109.7/85$

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1562.166+/-0.531 χ^2/NDF : 5037205.0/17

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

Right Out: 1500.090+/-0.504 χ^2/NDF : 5615018.0/19

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

Left: 1065.454+/-0.126 χ^2/NDF : 350781.3/47

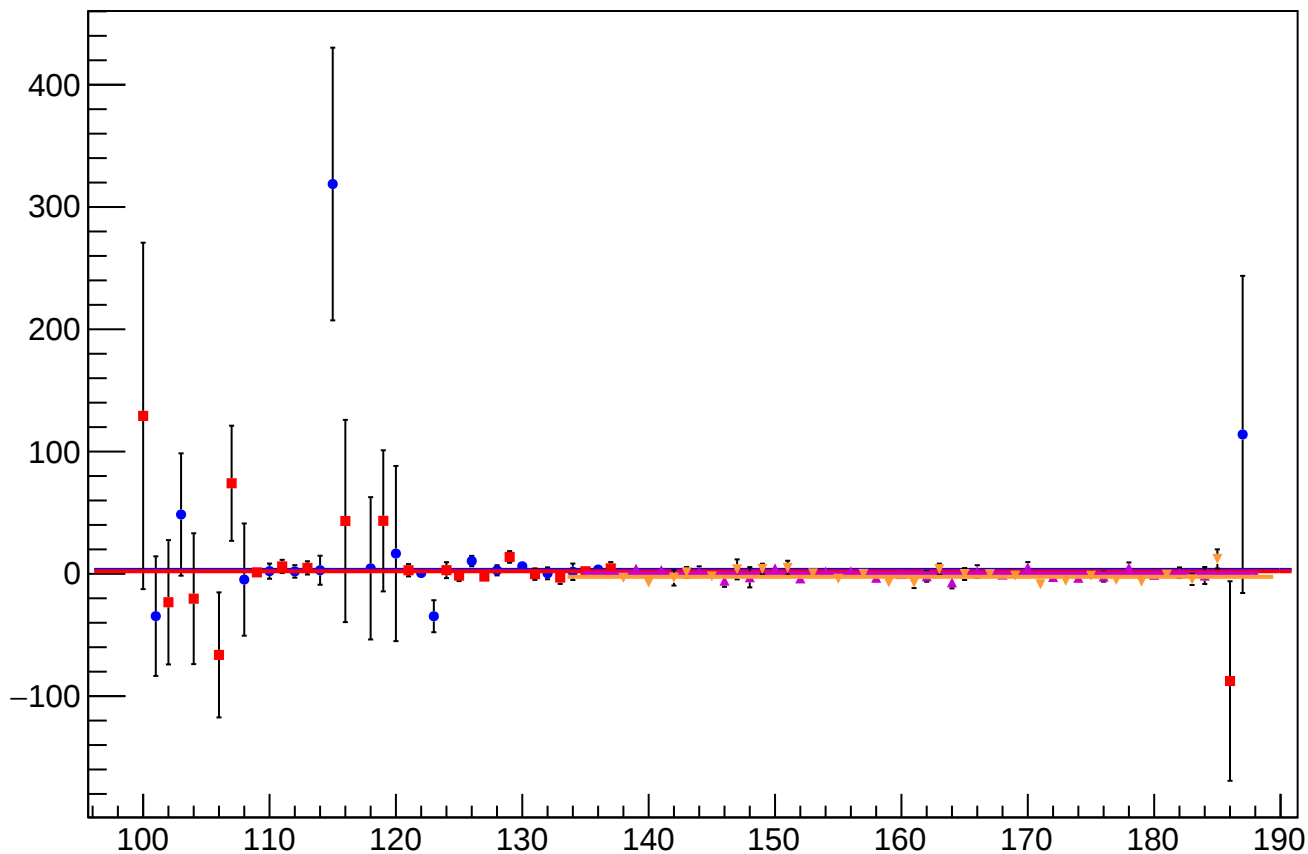
Right: 1529.535+/-0.366 χ^2/NDF : 10659413.7/37

In: 1118.279+/-0.172 χ^2/NDF : 5982864.9/40

Out: 1112.041+/-0.166 χ^2/NDF : 6466166.5/44

All: 1115.056+/-0.120 χ^2/NDF : 12449711.6/80

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 3.244 ± 1.328 $\chi^2/\text{NDF}: 23.0/17$

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

Right Out: 2.118 ± 1.239 $\chi^2/\text{NDF}: 17.7/19$

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

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

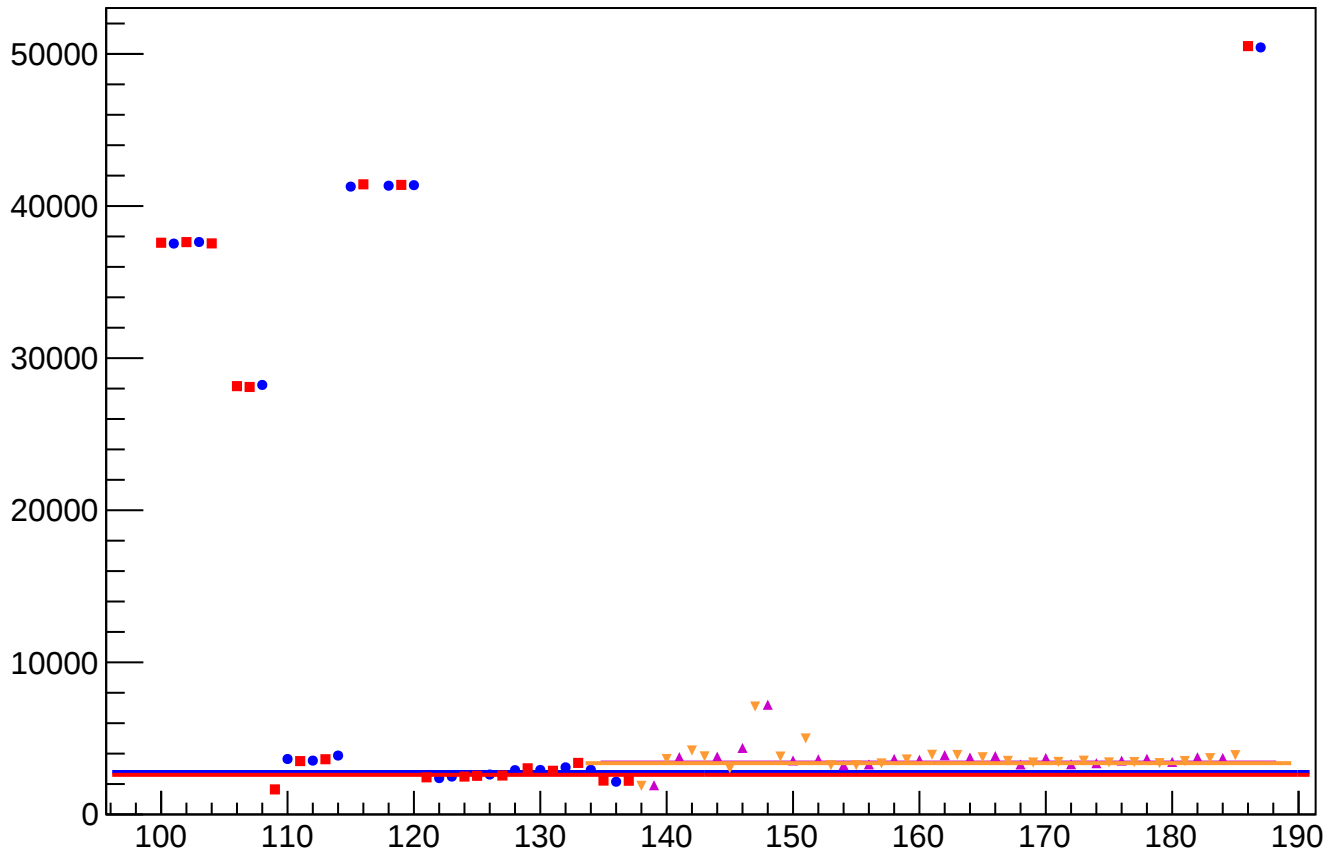
Right: 2.642 ± 0.906 $\chi^2/\text{NDF}: 41.1/37$

In: 1.266 ± 0.712 $\chi^2/\text{NDF}: 41.5/40$

Out: -1.061 ± 0.678 $\chi^2/\text{NDF}: 48.4/44$

All: 0.046 ± 0.491 $\chi^2/\text{NDF}: 95.5/85$

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2791.128+/-0.939 χ^2/NDF : 4846570.5/17

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

Right Out: 2604.892+/-0.876 χ^2/NDF : 5537918.7/19

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

Left: 3391.680+/-0.413 χ^2/NDF : 3093609.1/47

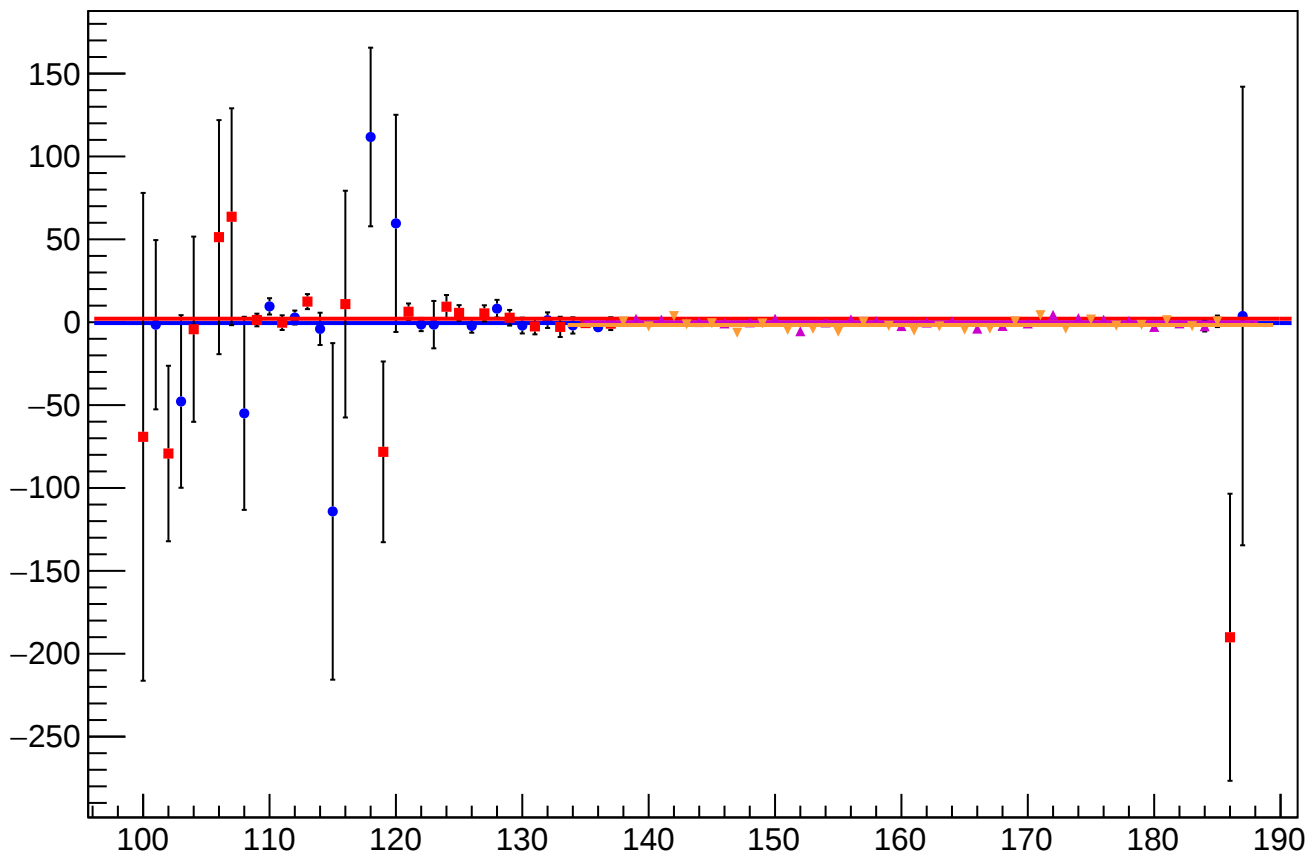
Right: 2691.593+/-0.641 χ^2/NDF : 10405521.8/37

In: 3233.600+/-0.503 χ^2/NDF : 6592756.9/40

Out: 3142.796+/-0.480 χ^2/NDF : 7732941.1/44

All: 3186.026+/-0.347 χ^2/NDF : 14342761.0/8

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -0.510 ± 1.222 χ^2/NDF : 18.0/17

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

Right Out: 2.112 ± 1.250 χ^2/NDF : 22.5/19

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

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

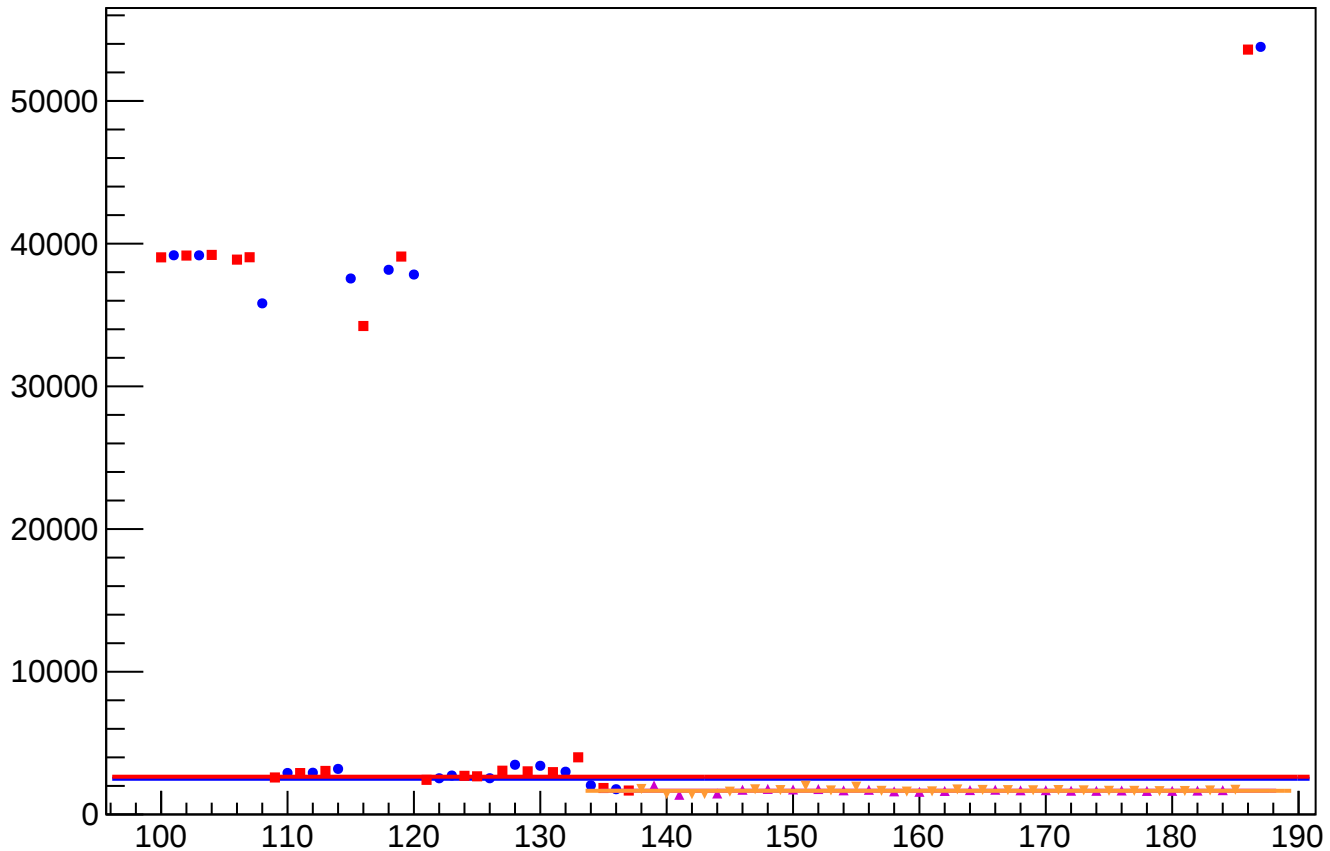
Right: 0.772 ± 0.874 χ^2/NDF : 42.7/37

In: -0.114 ± 0.381 χ^2/NDF : 46.3/40

Out: -1.340 ± 0.371 χ^2/NDF : 76.5/44

All: -0.744 ± 0.266 χ^2/NDF : 128.2/85

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2500.857 $\pm$ 0.864 χ^2 /NDF: 5162752.7/17

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

Right Out: 2645.220 $\pm$ 0.884 χ^2 /NDF: 5554445.6/19

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

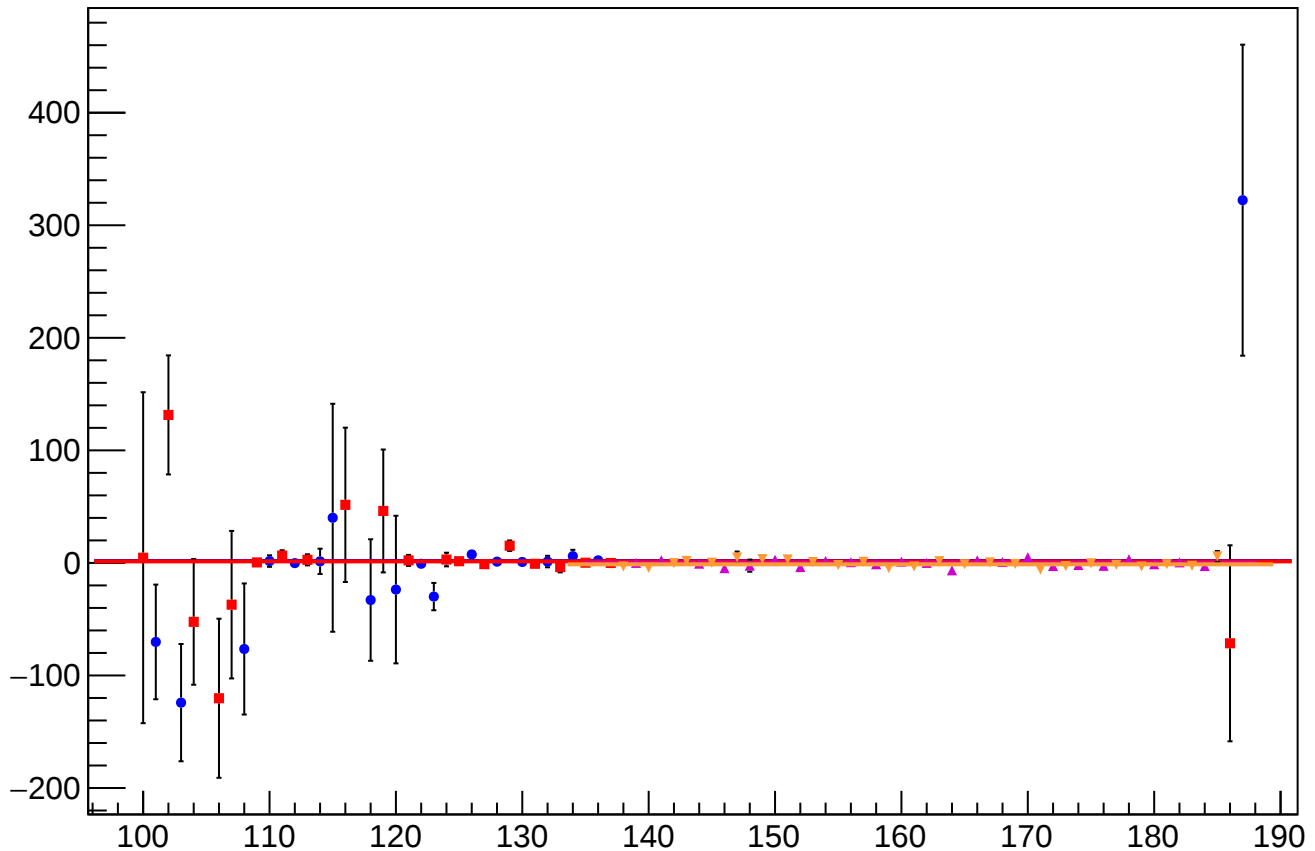
Right: 2571.401 $\pm$ 0.618 χ^2 /NDF: 10730841.5/37

In: 1745.050 $\pm$ 0.269 χ^2 /NDF: 6189349.9/40

Out: 1744.594 $\pm$ 0.262 χ^2 /NDF: 6916464.1/44

All: 1744.815 $\pm$ 0.188 χ^2 /NDF: 13105815.5/80

diff_bpm1p03aY_mean vs Slug, Sign Corrected



Right In: 1.693 ± 1.146 $\chi^2/\text{NDF}: 26.1/17$

Left Out: -1.251 ± 0.535 $\chi^2/\text{NDF}: 21.7/24$

Right Out: 1.369 ± 1.065 $\chi^2/\text{NDF}: 24.8/19$

Left In: -0.098 ± 0.541 $\chi^2/\text{NDF}: 19.3/22$

Left: -0.681 ± 0.380 $\chi^2/\text{NDF}: 43.3/47$

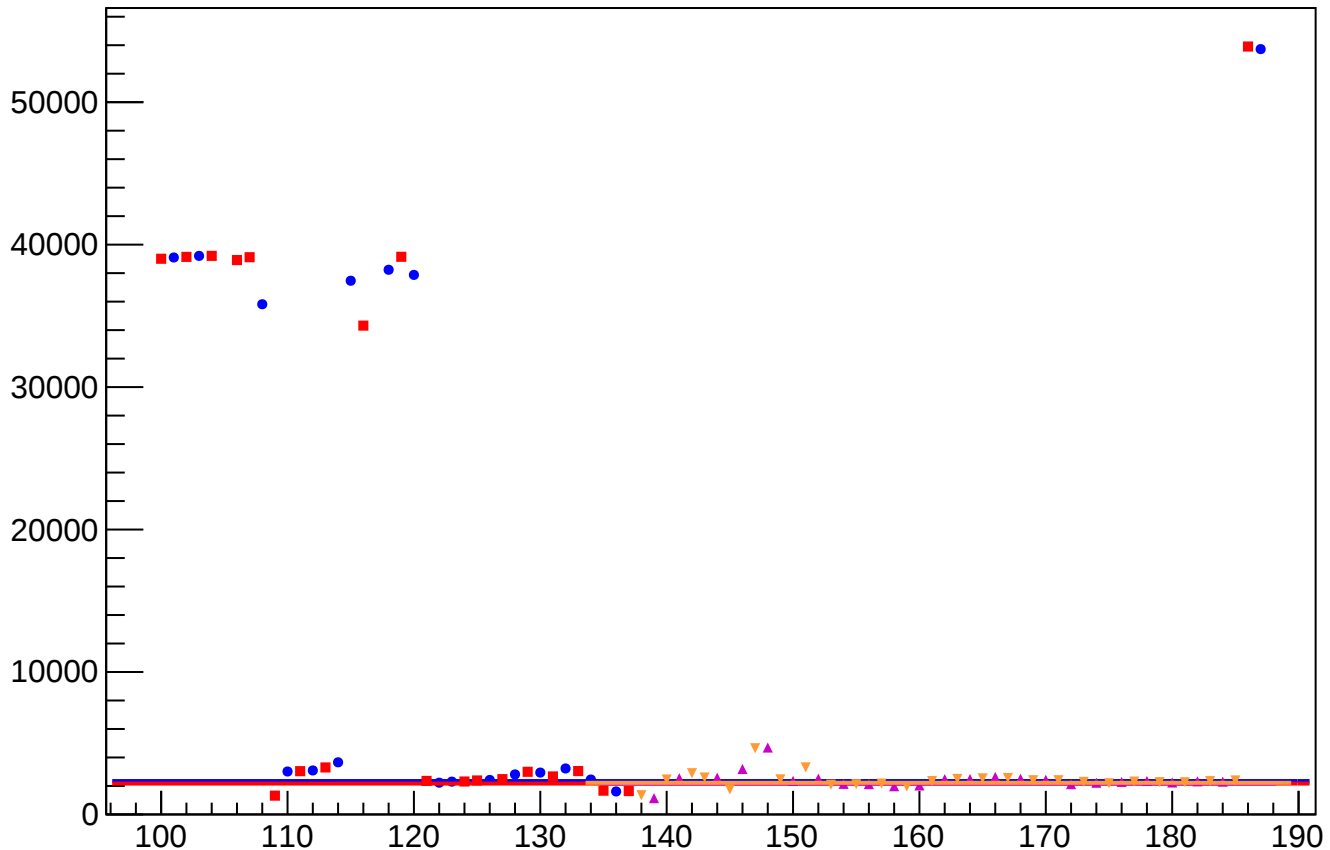
Right: 1.519 ± 0.780 $\chi^2/\text{NDF}: 51.0/37$

In: 0.229 ± 0.489 $\chi^2/\text{NDF}: 47.4/40$

Out: -0.723 ± 0.478 $\chi^2/\text{NDF}: 51.3/44$

All: -0.258 ± 0.342 $\chi^2/\text{NDF}: 100.7/85$

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2344.756 $\pm$ 0.810 χ^2 /NDF: 5283061.0/17

Left Out: 2222.081 $\pm$ 0.378 χ^2 /NDF: 1422440.9/24

Right Out: 2168.955 $\pm$ 0.753 χ^2 /NDF: 6007828.0/19

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

Left: 2196.064 $\pm$ 0.269 χ^2 /NDF: 3406878.6/47

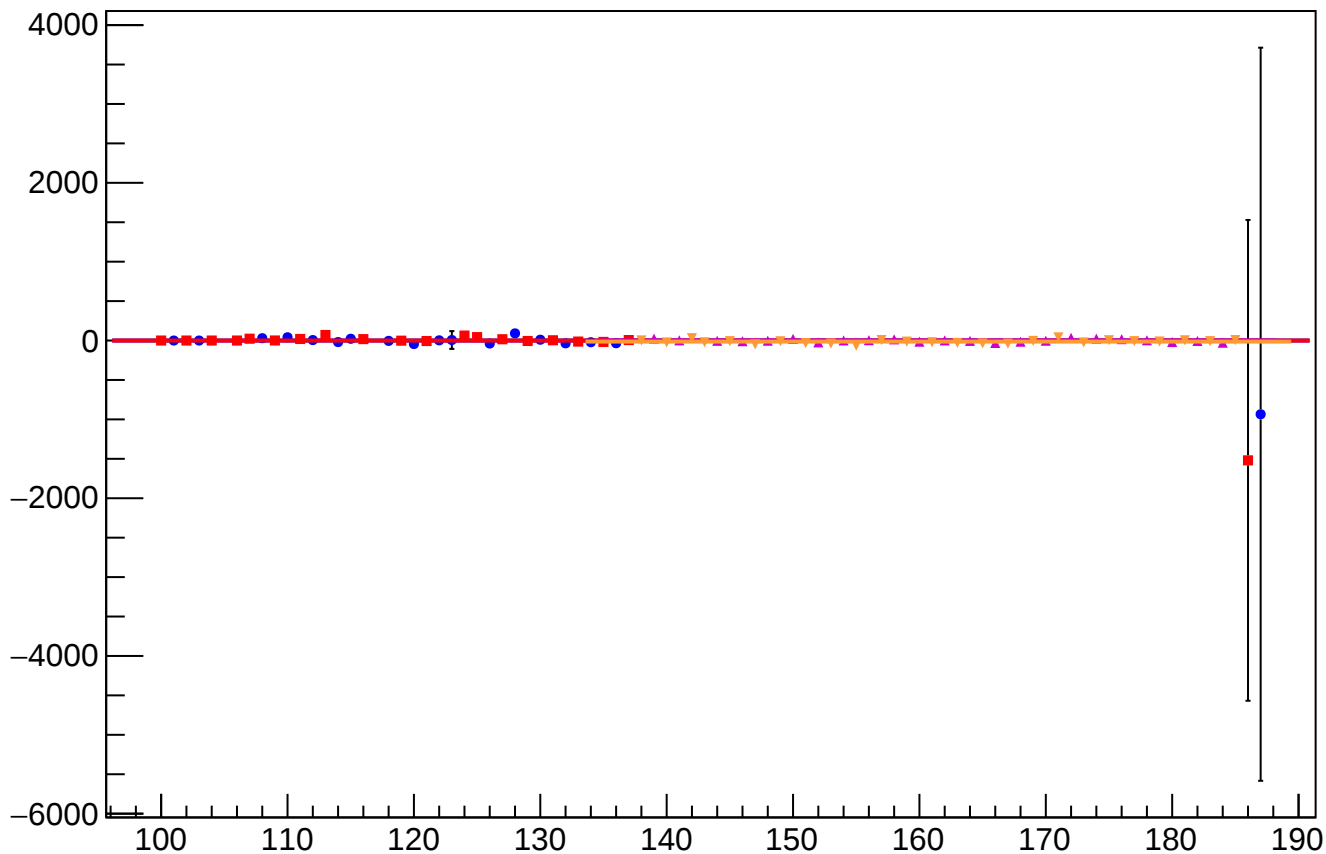
Right: 2250.437 $\pm$ 0.552 χ^2 /NDF: 11316132.9/37

In: 2201.406 $\pm$ 0.346 χ^2 /NDF: 7296191.2/40

Out: 2211.380 $\pm$ 0.338 χ^2 /NDF: 7434240.9/44

All: 2206.509 $\pm$ 0.242 χ^2 /NDF: 14730857.0/80

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013 $\pm$ 0.017 χ^2/NDF : 16.6/17

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

Right Out: -0.003 $\pm$ 0.016 χ^2/NDF : 15.8/19

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

Left: -6.796 $\pm$ 2.020 χ^2/NDF : 99.5/47

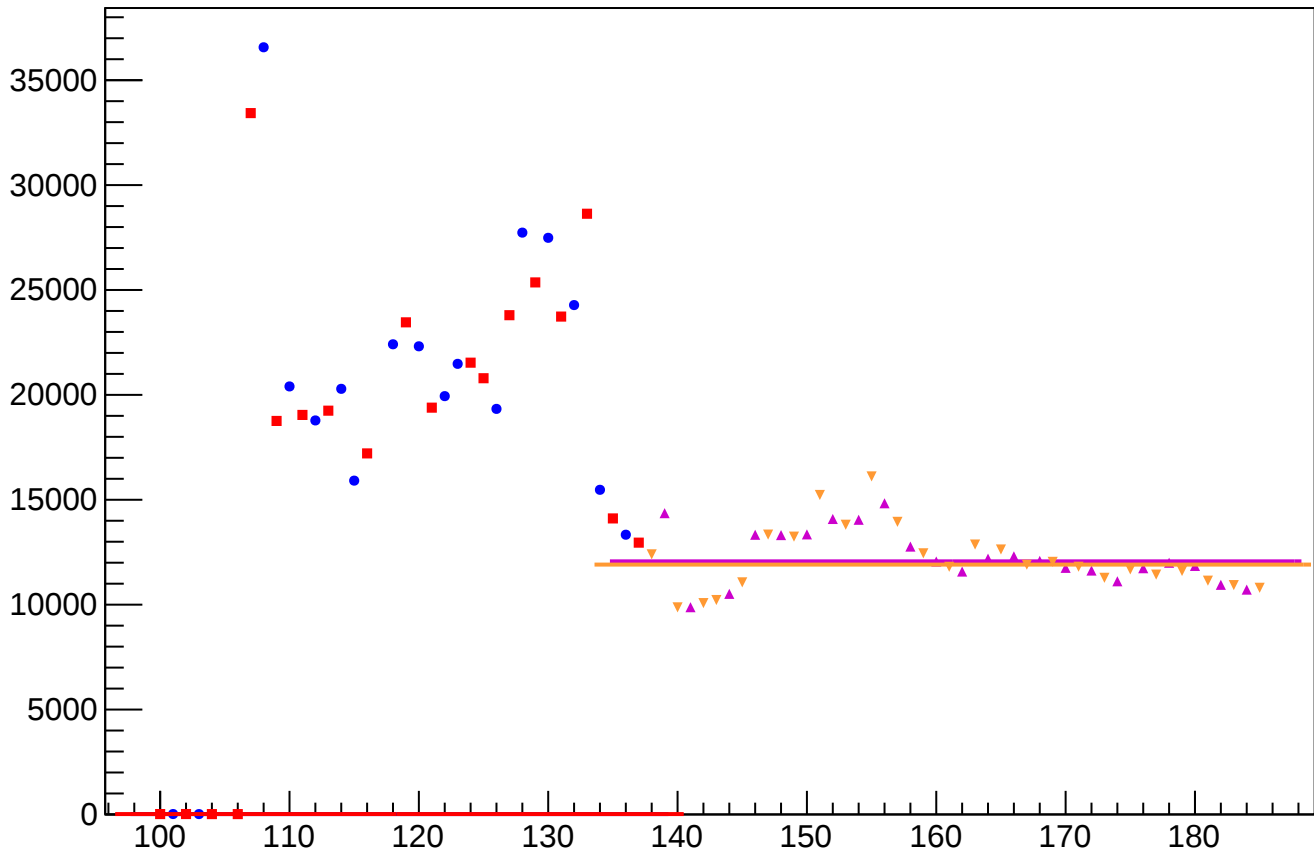
Right: 0.004 $\pm$ 0.012 χ^2/NDF : 32.9/37

In: 0.013 $\pm$ 0.017 χ^2/NDF : 45.6/40

Out: -0.004 $\pm$ 0.016 χ^2/NDF : 97.6/44

All: 0.004 $\pm$ 0.012 χ^2/NDF : 143.7/85

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.641+/-0.012 χ^2/NDF : 10941777.3/16

Left Out: 11910.325+/-1.980 χ^2/NDF : 476504.3/24

Right Out: 18.311+/-0.011 χ^2/NDF : 11063399.8/18

Left In: 12064.761+/-2.062 χ^2/NDF : 368452.5/22

Left: 11984.403+/-1.428 χ^2/NDF : 847874.4/47

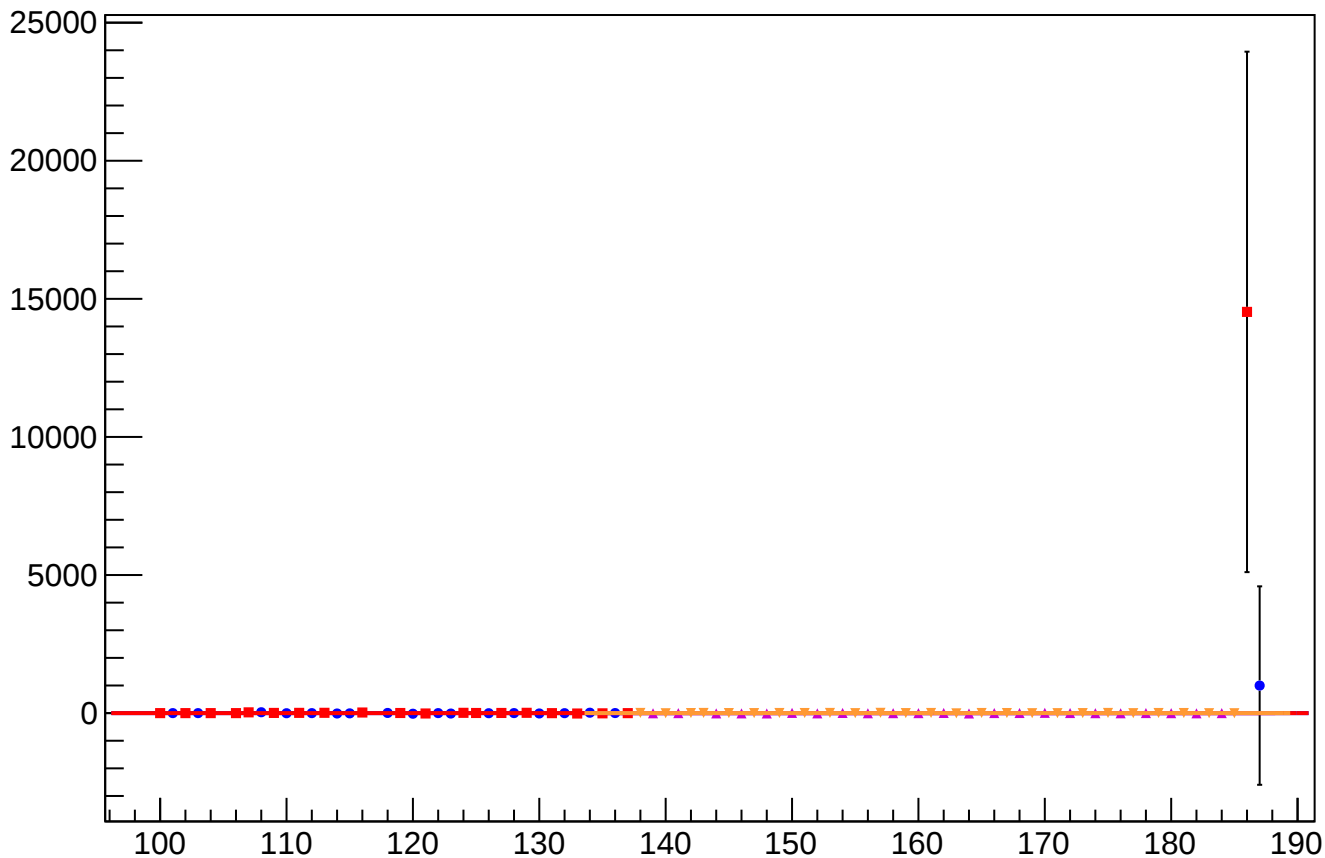
Right: 18.464+/-0.008 χ^2/NDF : 22005567.3/35

In: 19.067+/-0.012 χ^2/NDF : 45424095.9/39

Out: 18.703+/-0.011 χ^2/NDF : 47605245.6/43

All: 18.871+/-0.008 χ^2/NDF : 93029815.5/83

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 13.0/17

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

Right Out: -0.014 $\pm$ 0.009 χ^2 /NDF: 21.1/19

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

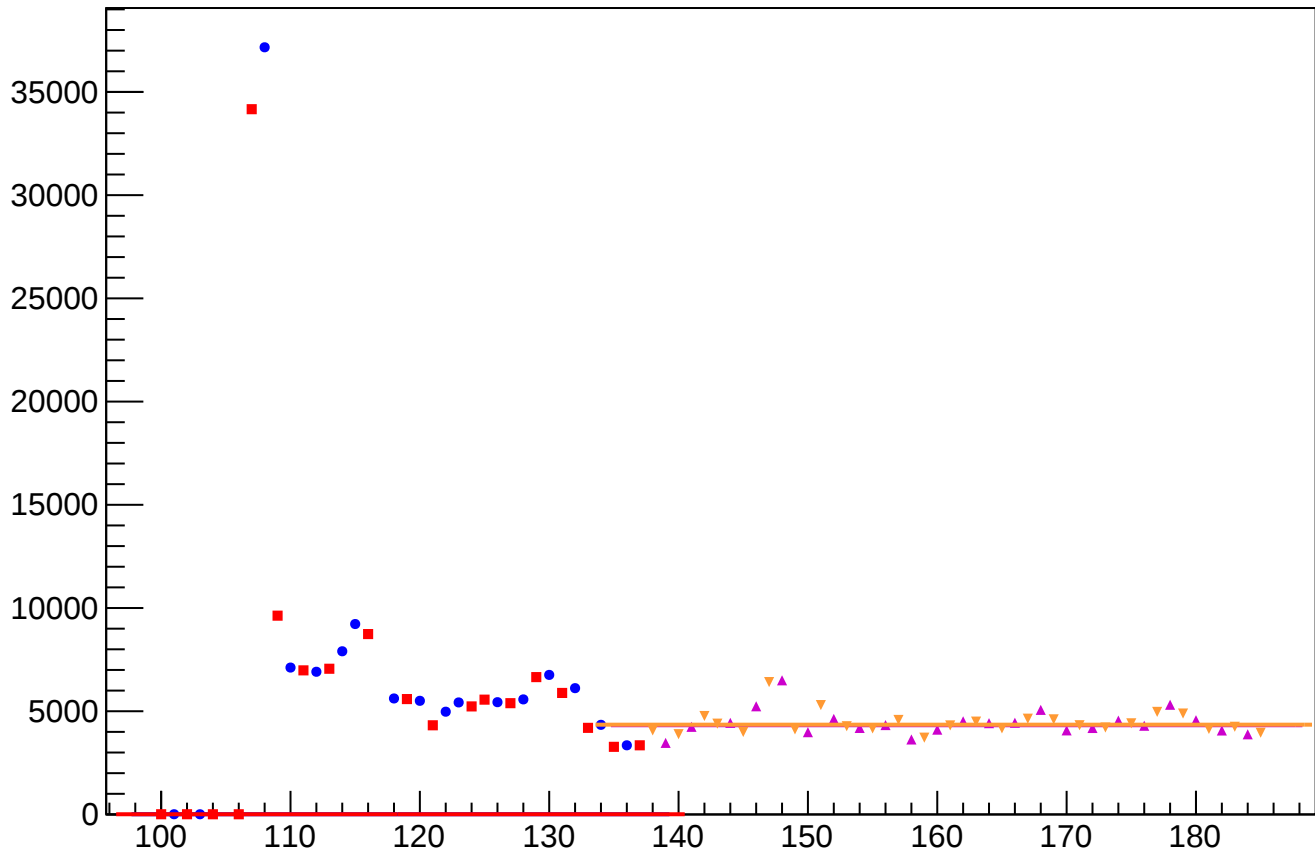
Right: -0.007 $\pm$ 0.006 χ^2 /NDF: 35.5/37

In: 0.001 $\pm$ 0.009 χ^2 /NDF: 49.4/40

Out: -0.014 $\pm$ 0.009 χ^2 /NDF: 42.2/44

All: -0.007 $\pm$ 0.006 χ^2 /NDF: 92.9/85

diff_cav4bY_rms vs Slug, Sign Corrected



Right In: 9.939 $\pm$ 0.007 χ^2 /NDF: 11067258.7/16

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

Right Out: 9.854 $\pm$ 0.006 χ^2 /NDF: 11113759.9/18

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

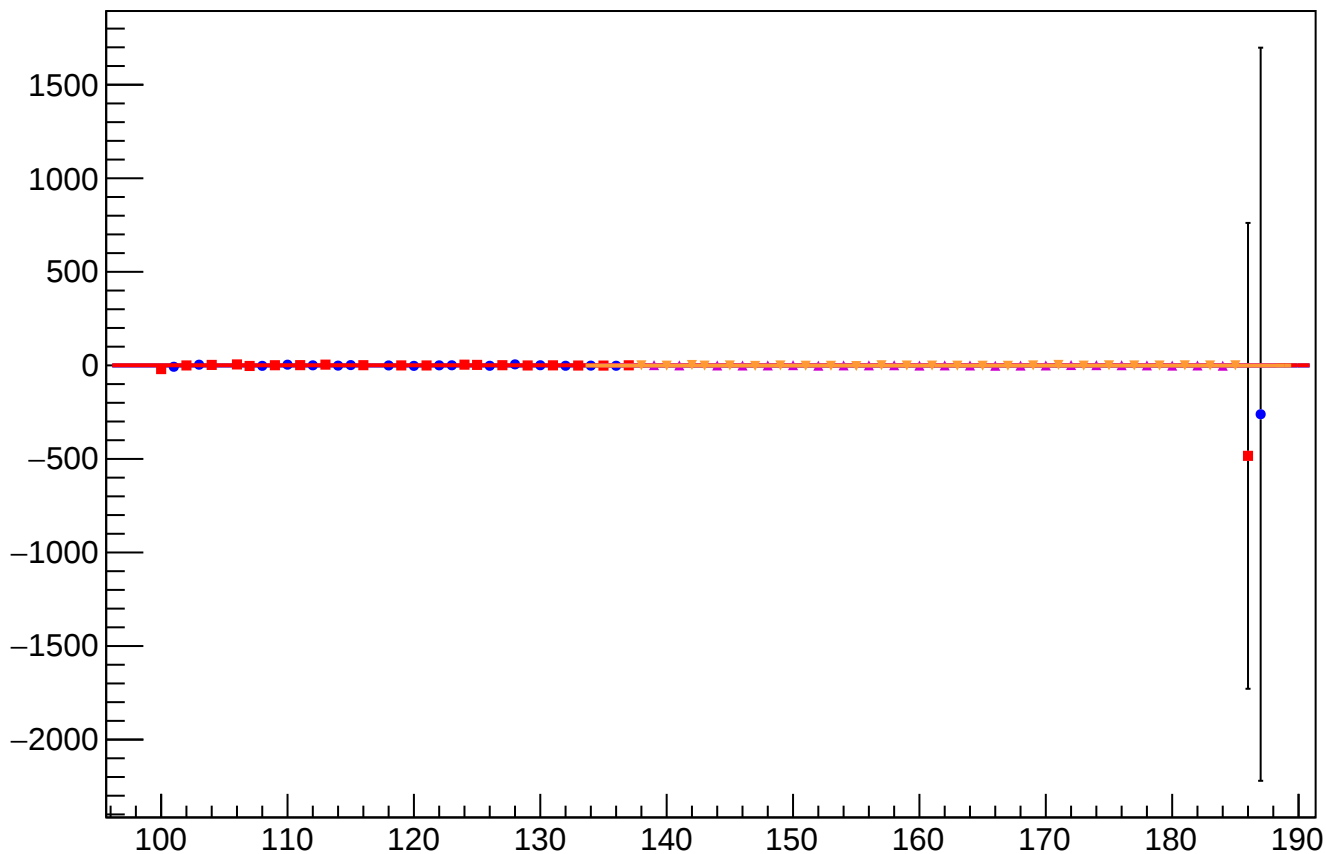
Right: 9.894 $\pm$ 0.004 χ^2 /NDF: 22181108.5/35

In: 10.271 $\pm$ 0.007 χ^2 /NDF: 45399007.8/39

Out: 10.165 $\pm$ 0.006 χ^2 /NDF: 47542935.2/43

All: 10.214 $\pm$ 0.004 χ^2 /NDF: 92942083.6/83

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.713 ± 0.483 $\chi^2/\text{NDF}: 22.7/17$

Left Out: -0.775 ± 0.165 $\chi^2/\text{NDF}: 58.5/24$

Right Out: 0.638 ± 0.501 $\chi^2/\text{NDF}: 13.2/19$

Left In: 0.018 ± 0.171 $\chi^2/\text{NDF}: 29.4/22$

Left: -0.393 ± 0.119 $\chi^2/\text{NDF}: 99.1/47$

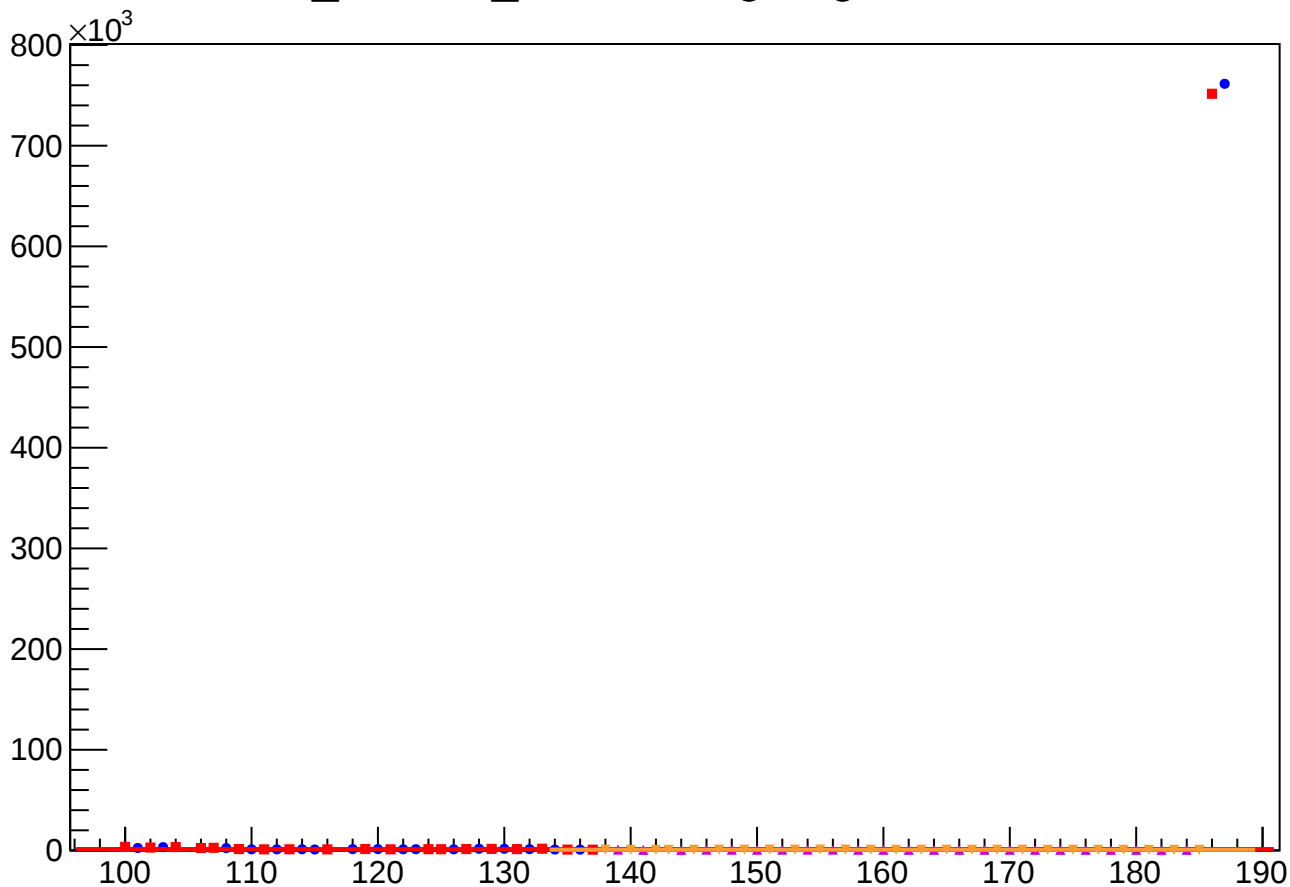
Right: -0.063 ± 0.348 $\chi^2/\text{NDF}: 39.7/37$

In: -0.063 ± 0.161 $\chi^2/\text{NDF}: 54.2/40$

Out: -0.638 ± 0.156 $\chi^2/\text{NDF}: 78.9/44$

All: -0.359 ± 0.112 $\chi^2/\text{NDF}: 139.7/85$

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1167.167 $\pm$ 0.342 χ^2 /NDF: 1881425.6/17

Left Out: 700.984 $\pm$ 0.116 χ^2 /NDF: 392855.4/24

Right Out: 1248.031 $\pm$ 0.355 χ^2 /NDF: 2346762.6/19

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

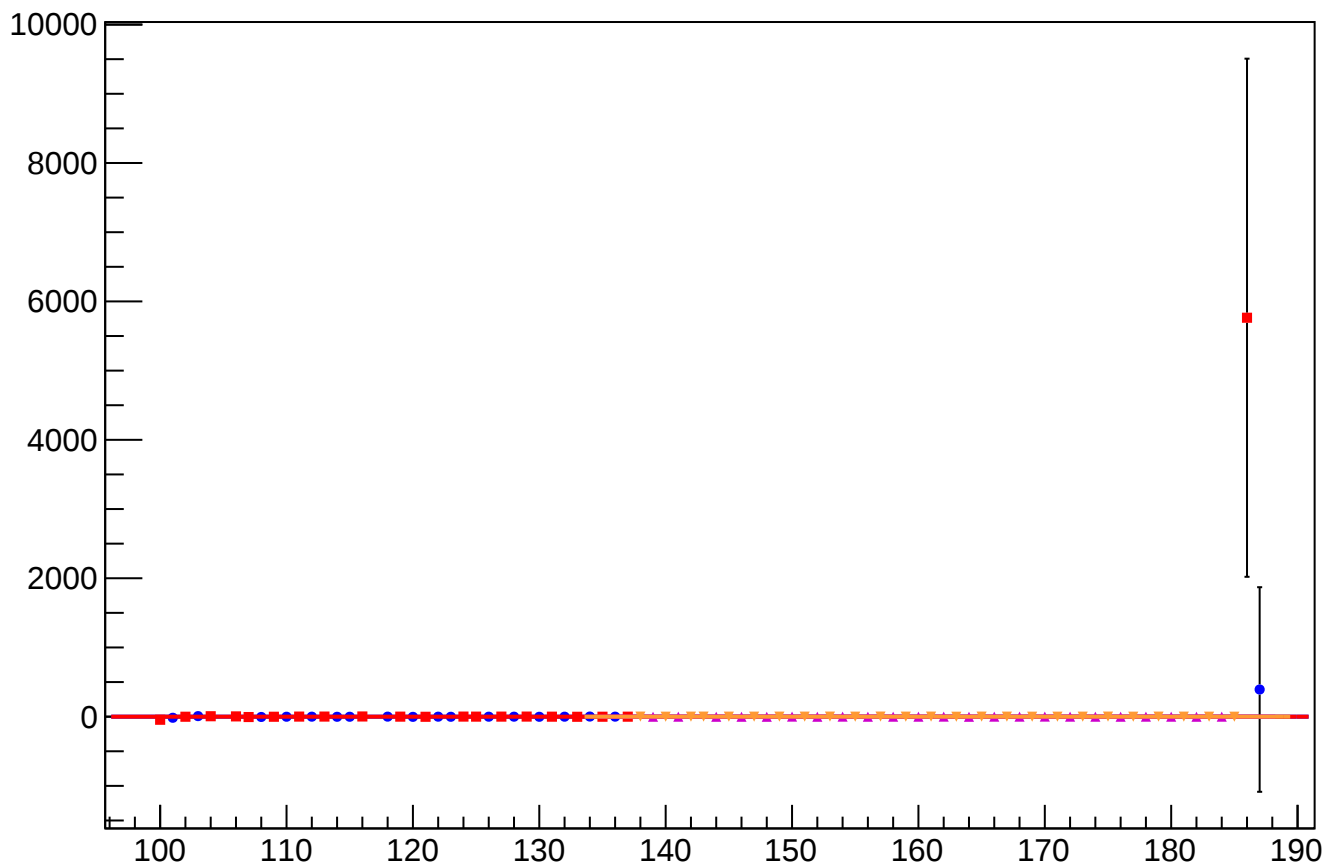
Right: 1206.092 $\pm$ 0.246 χ^2 /NDF: 4255159.4/37

In: 758.087 $\pm$ 0.114 χ^2 /NDF: 3826556.8/40

Out: 754.174 $\pm$ 0.111 χ^2 /NDF: 4888197.2/44

All: 756.073 $\pm$ 0.079 χ^2 /NDF: 8715362.0/85

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.060 ± 0.269 χ^2/NDF : 19.2/17

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

Right Out: -0.280 ± 0.264 χ^2/NDF : 22.9/19

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

Left: 0.059 ± 0.088 χ^2/NDF : 57.1/47

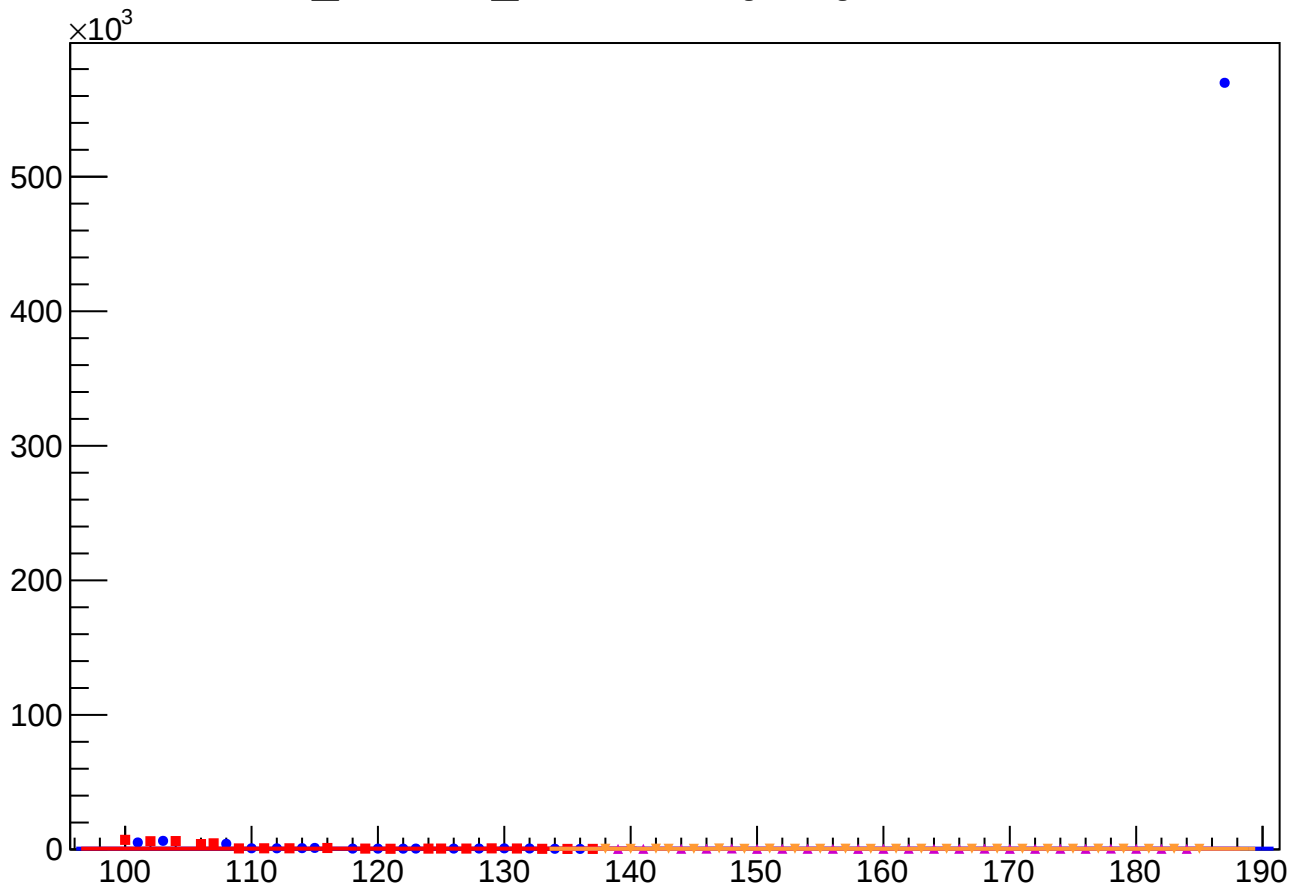
Right: -0.172 ± 0.189 χ^2/NDF : 42.4/37

In: -0.114 ± 0.114 χ^2/NDF : 54.2/40

Out: 0.142 ± 0.111 χ^2/NDF : 44.0/44

All: 0.018 ± 0.080 χ^2/NDF : 100.8/85

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 609.404 $\pm$ 0.190 χ^2 /NDF: 3430909.1/17

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

Right Out: 598.820 $\pm$ 0.187 χ^2 /NDF: 3552236.2/18

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

Left: 521.481 $\pm$ 0.062 χ^2 /NDF: 758275.0/47

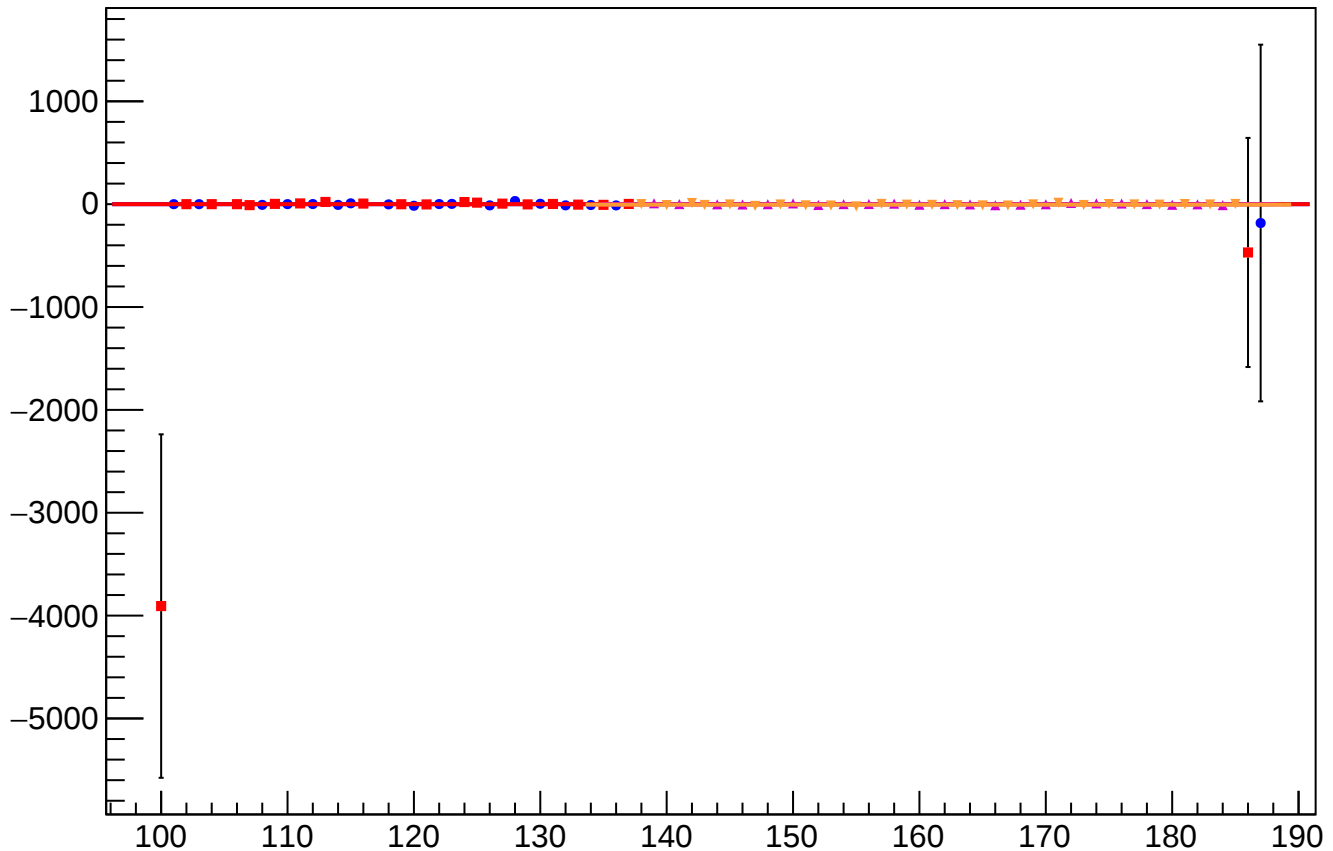
Right: 604.021 $\pm$ 0.133 χ^2 /NDF: 6984719.9/36

In: 536.690 $\pm$ 0.081 χ^2 /NDF: 4036903.8/40

Out: 535.774 $\pm$ 0.079 χ^2 /NDF: 4020784.9/43

All: 536.220 $\pm$ 0.056 χ^2 /NDF: 8057754.8/84

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022 ± 0.021 $\chi^2/\text{NDF}: 16.0/17$

Left Out: -4.480 ± 0.957 $\chi^2/\text{NDF}: 58.4/24$

Right Out: 0.027 ± 0.020 $\chi^2/\text{NDF}: 17.6/19$

Left In: 0.183 ± 0.994 $\chi^2/\text{NDF}: 29.5/22$

Left: -2.236 ± 0.689 $\chi^2/\text{NDF}: 99.3/47$

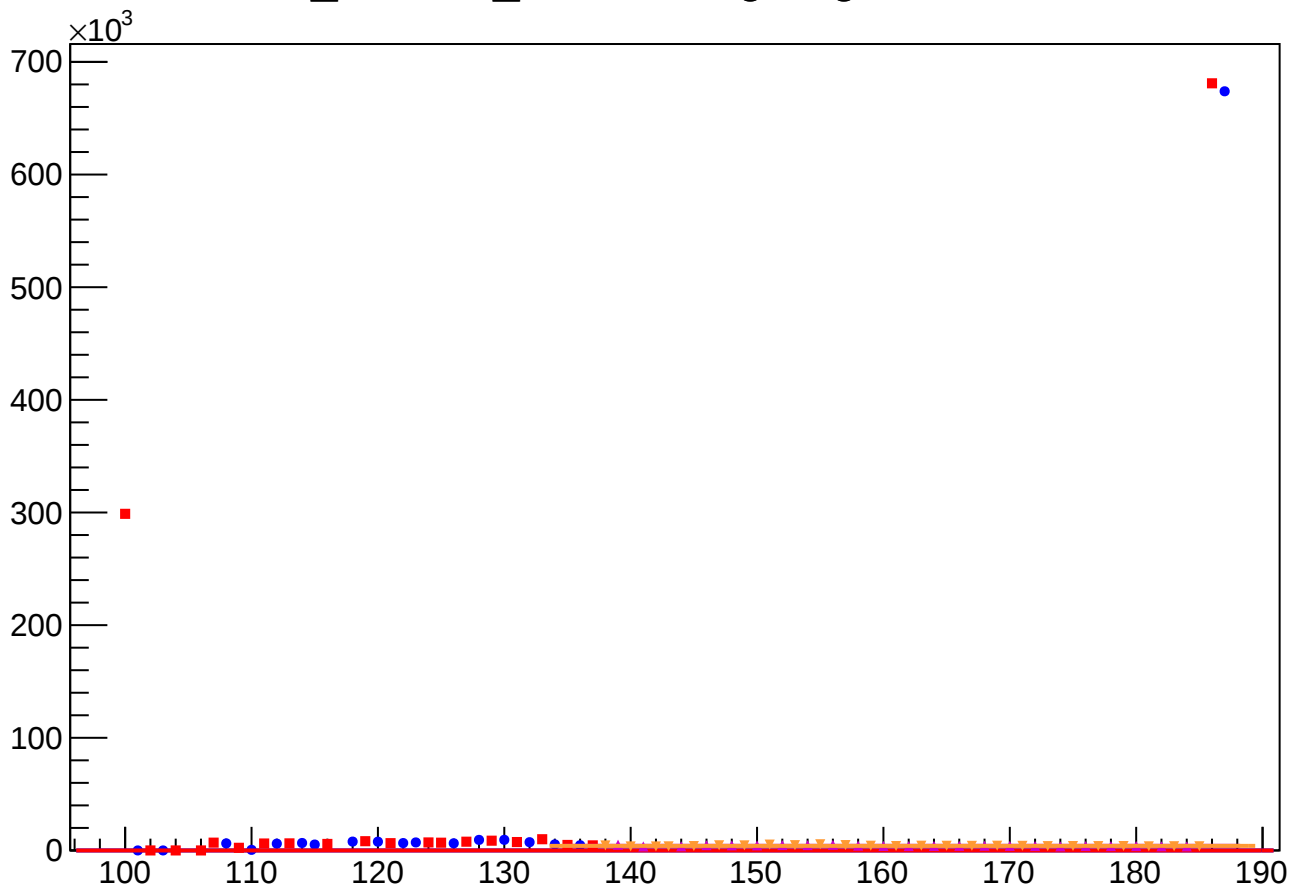
Right: 0.004 ± 0.014 $\chi^2/\text{NDF}: 36.4/37$

In: -0.022 ± 0.021 $\chi^2/\text{NDF}: 45.5/40$

Out: 0.025 ± 0.020 $\chi^2/\text{NDF}: 98.2/44$

All: 0.003 ± 0.014 $\chi^2/\text{NDF}: 146.3/85$

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.339 $\pm$ 0.015 χ^2/NDF : 10759446.0/17

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

Right Out: 17.268 $\pm$ 0.014 χ^2/NDF : 11513263.6/19

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

Left: 4093.835 $\pm$ 0.488 χ^2/NDF : 768256.5/47

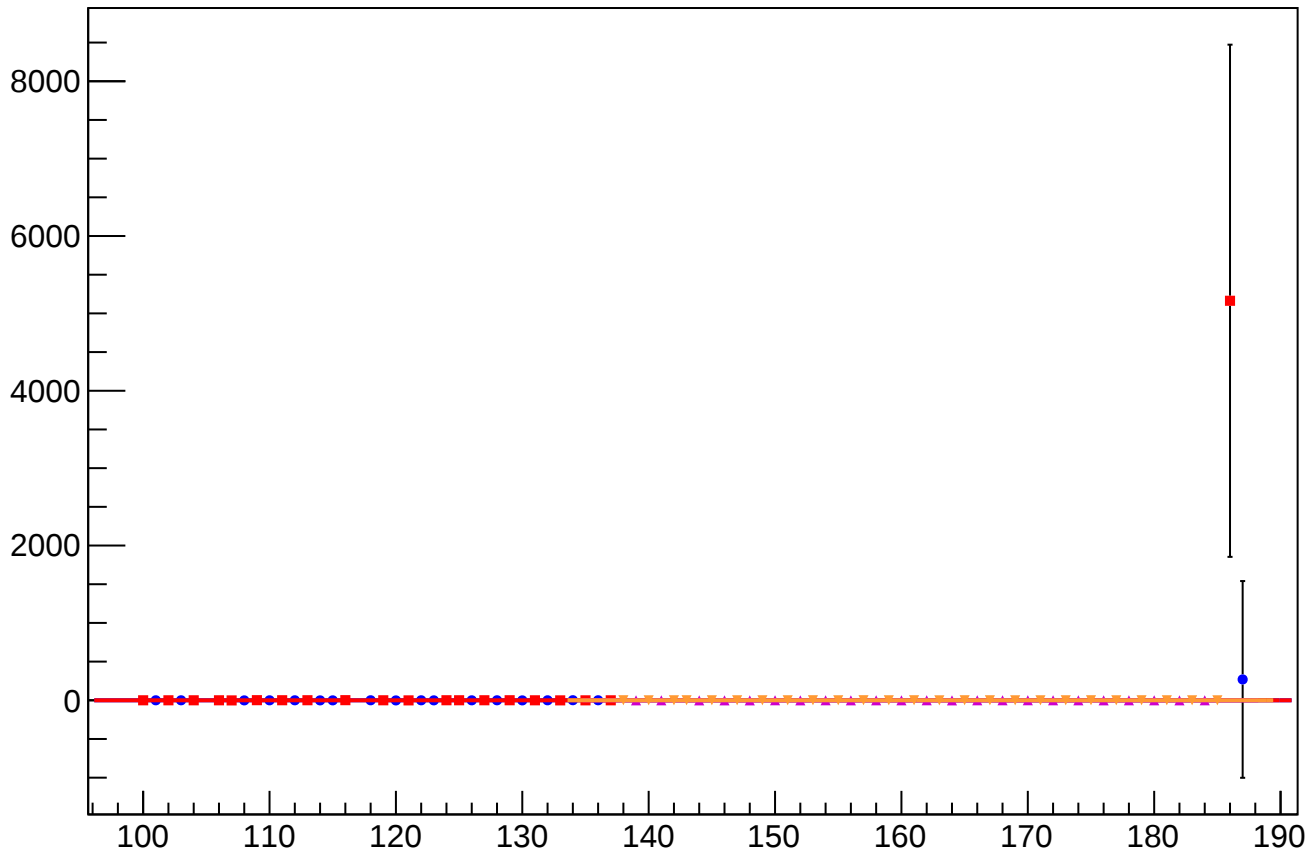
Right: 17.302 $\pm$ 0.010 χ^2/NDF : 22272722.0/37

In: 19.131 $\pm$ 0.015 χ^2/NDF : 45061981.1/40

Out: 18.999 $\pm$ 0.014 χ^2/NDF : 47866318.1/44

All: 19.062 $\pm$ 0.010 χ^2/NDF : 92928341.4/85

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 13.6/17

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

Right Out: -0.001 $\pm$ 0.002 χ^2 /NDF: 20.6/19

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

Left: 0.038 $\pm$ 0.055 χ^2 /NDF: 56.3/47

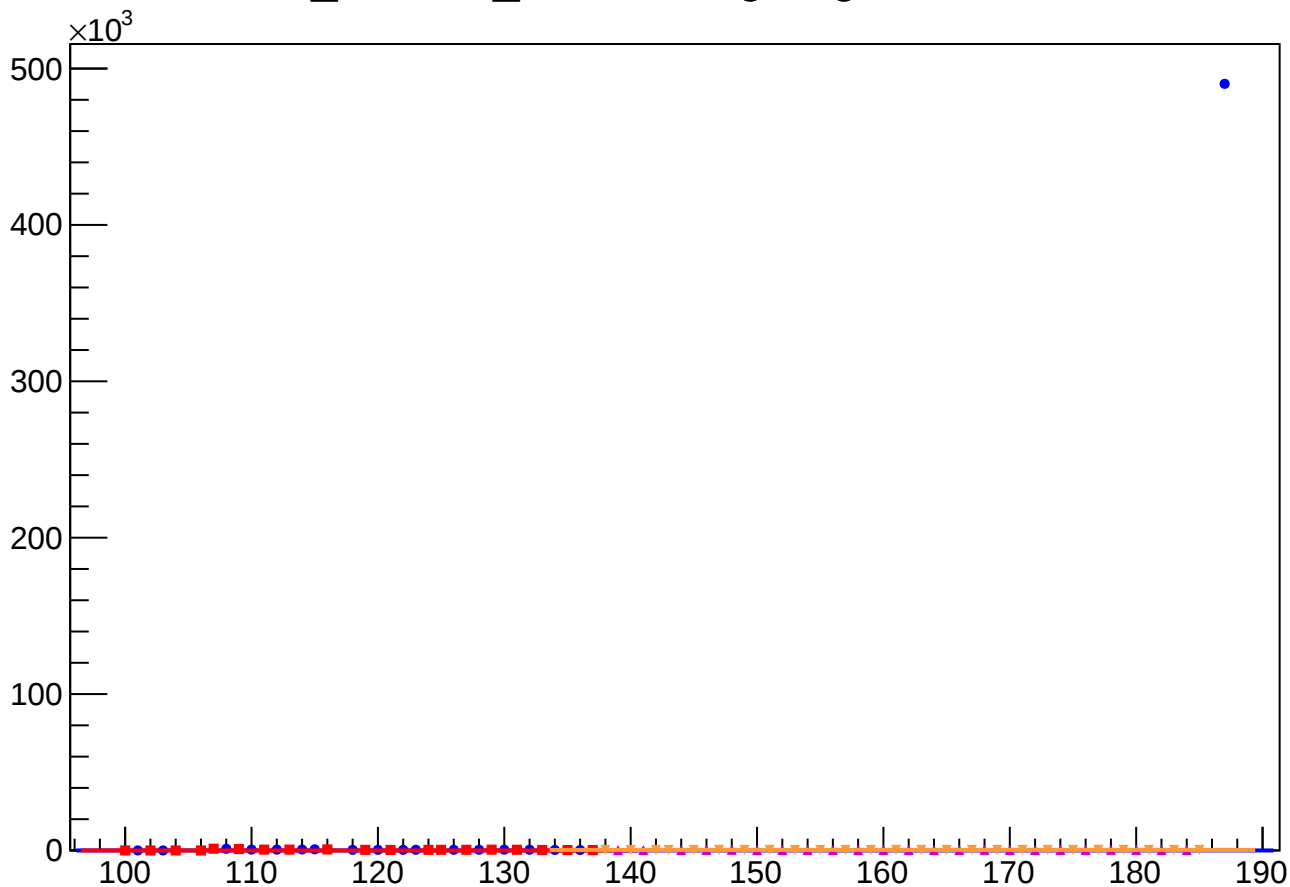
Right: -0.000 $\pm$ 0.001 χ^2 /NDF: 34.4/37

In: 0.000 $\pm$ 0.002 χ^2 /NDF:49.3/40

Out: -0.001 $\pm$ 0.002 χ^2 /NDF:41.7/44

All: -0.000 $\pm$ 0.001 χ^2 /NDF: 91.2/85

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.699 $\pm$ 0.001 χ^2/NDF : 11303807.8/17

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

Right Out: 1.728 $\pm$ 0.001 χ^2/NDF : 10697829.6/18

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

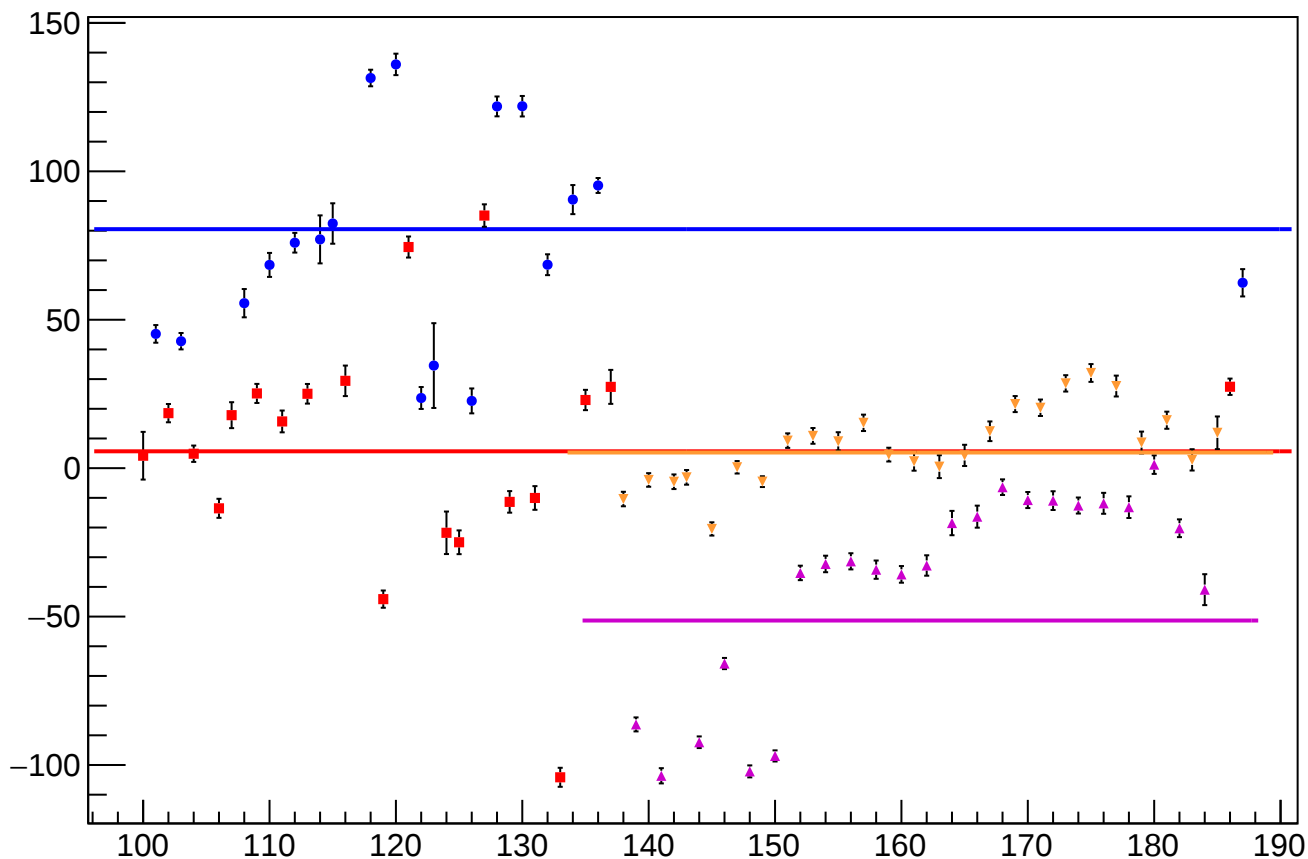
Right: 1.714 $\pm$ 0.001 χ^2/NDF : 22001854.4/36

In: 1.912 $\pm$ 0.001 χ^2/NDF : 45445967.4/40

Out: 1.936 $\pm$ 0.001 χ^2/NDF : 46905365.8/43

All: 1.925 $\pm$ 0.001 χ^2/NDF : 92351479.5/84

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.516 ± 0.871 $\chi^2/\text{NDF}: 1734.2/17$

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

Right Out: 5.679 ± 0.807 $\chi^2/\text{NDF}: 2661.5/19$

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

Left: -22.298 ± 0.390 $\chi^2/\text{NDF}: 10084.6/47$

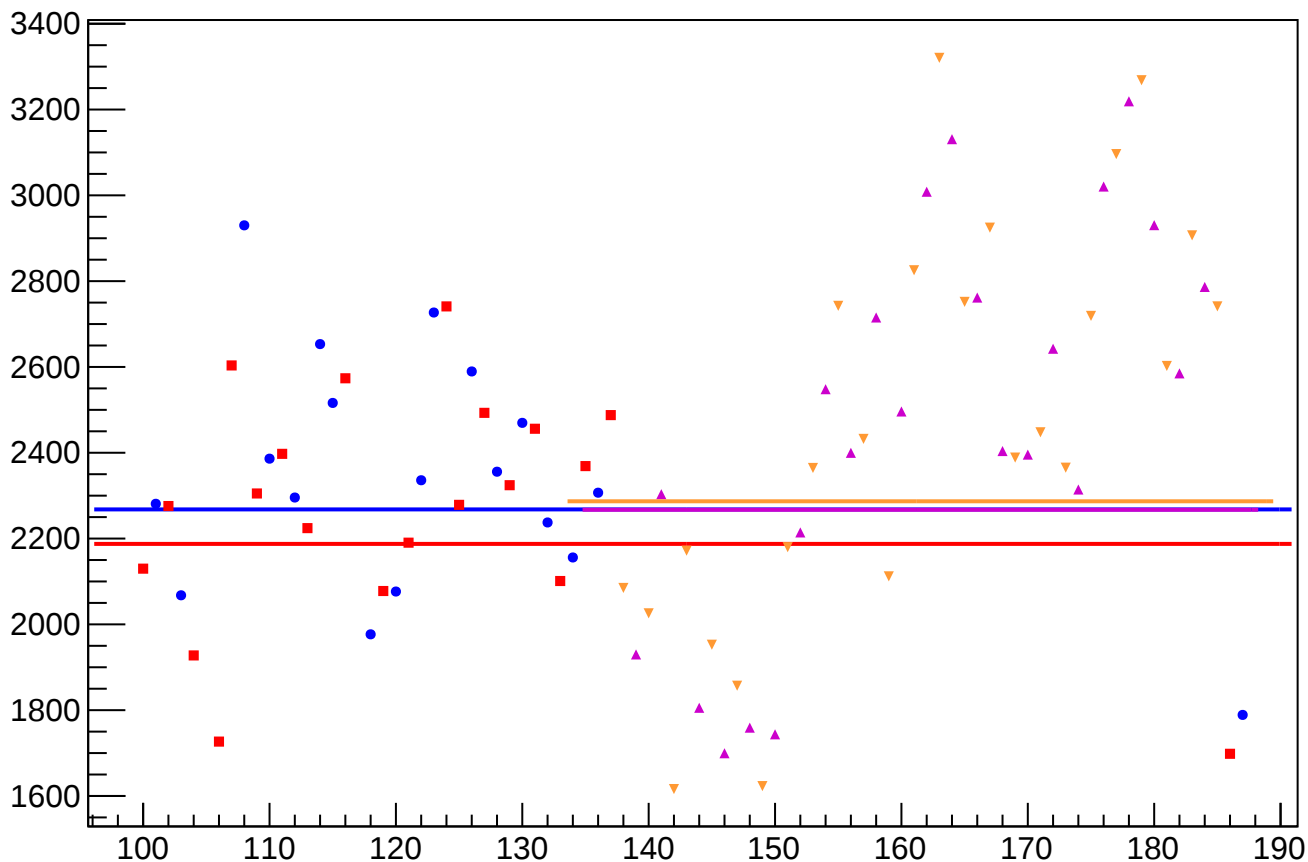
Right: 40.234 ± 0.592 $\chi^2/\text{NDF}: 8368.1/37$

In: -12.937 ± 0.470 $\chi^2/\text{NDF}: 22227.7/40$

Out: 5.402 ± 0.451 $\chi^2/\text{NDF}: 3217.8/44$

All: -3.391 ± 0.326 $\chi^2/\text{NDF}: 26237.7/85$

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2267.948 $\pm$ 0.616 χ^2 /NDF: 131640.5/17

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

Right Out: 2187.554 $\pm$ 0.571 χ^2 /NDF: 216275.6/19

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

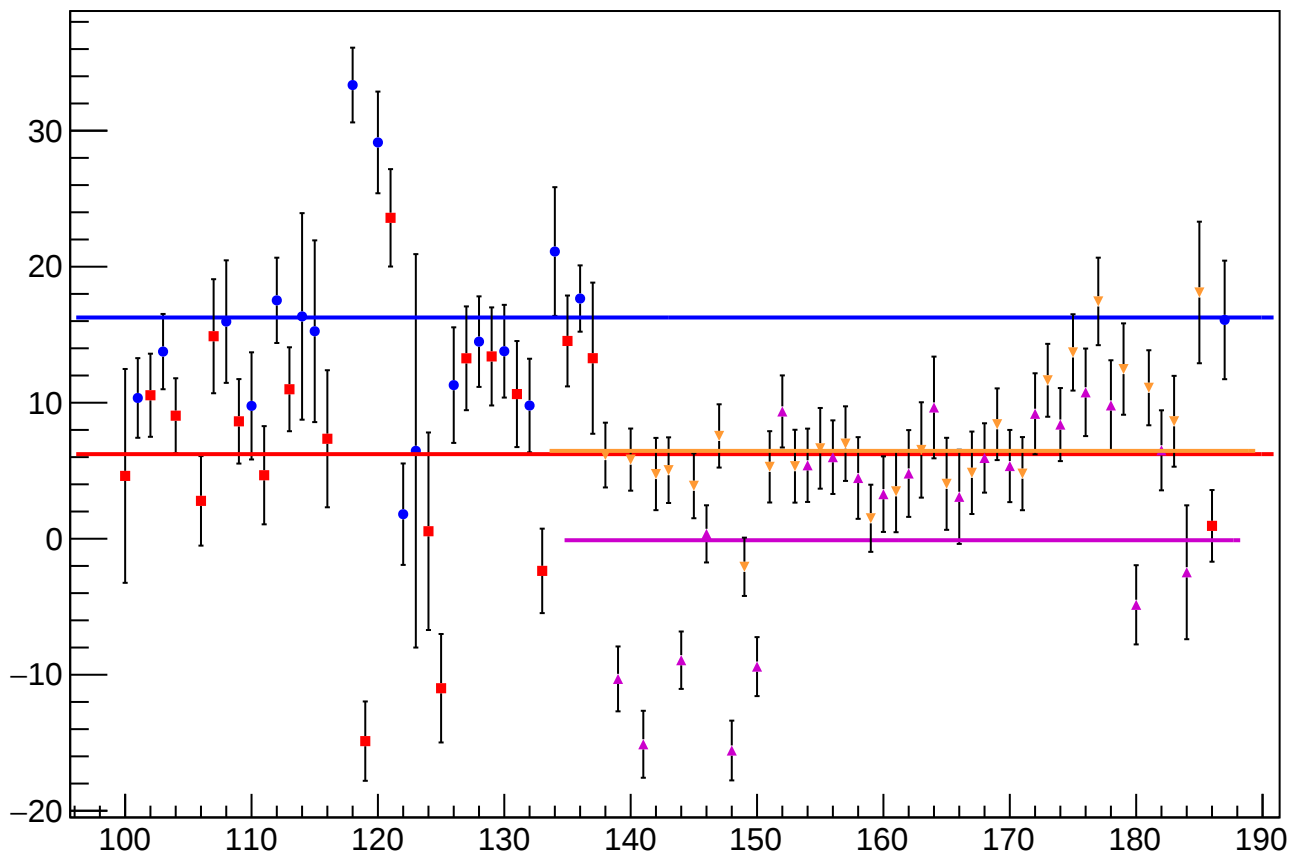
Right: 2224.674 $\pm$ 0.419 χ^2 /NDF: 357084.5/37

In: 2267.345 $\pm$ 0.332 χ^2 /NDF:1445006.3/40

Out: 2255.818 $\pm$ 0.319 χ^2 /NDF:1597596.0/44

All: 2261.345 $\pm$ 0.230 χ^2 /NDF: 3043228.2/85

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.266 $\pm$ 0.856 χ^2 /NDF: 81.0/17

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

Right Out: 6.219 $\pm$ 0.794 χ^2 /NDF: 134.9/19

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

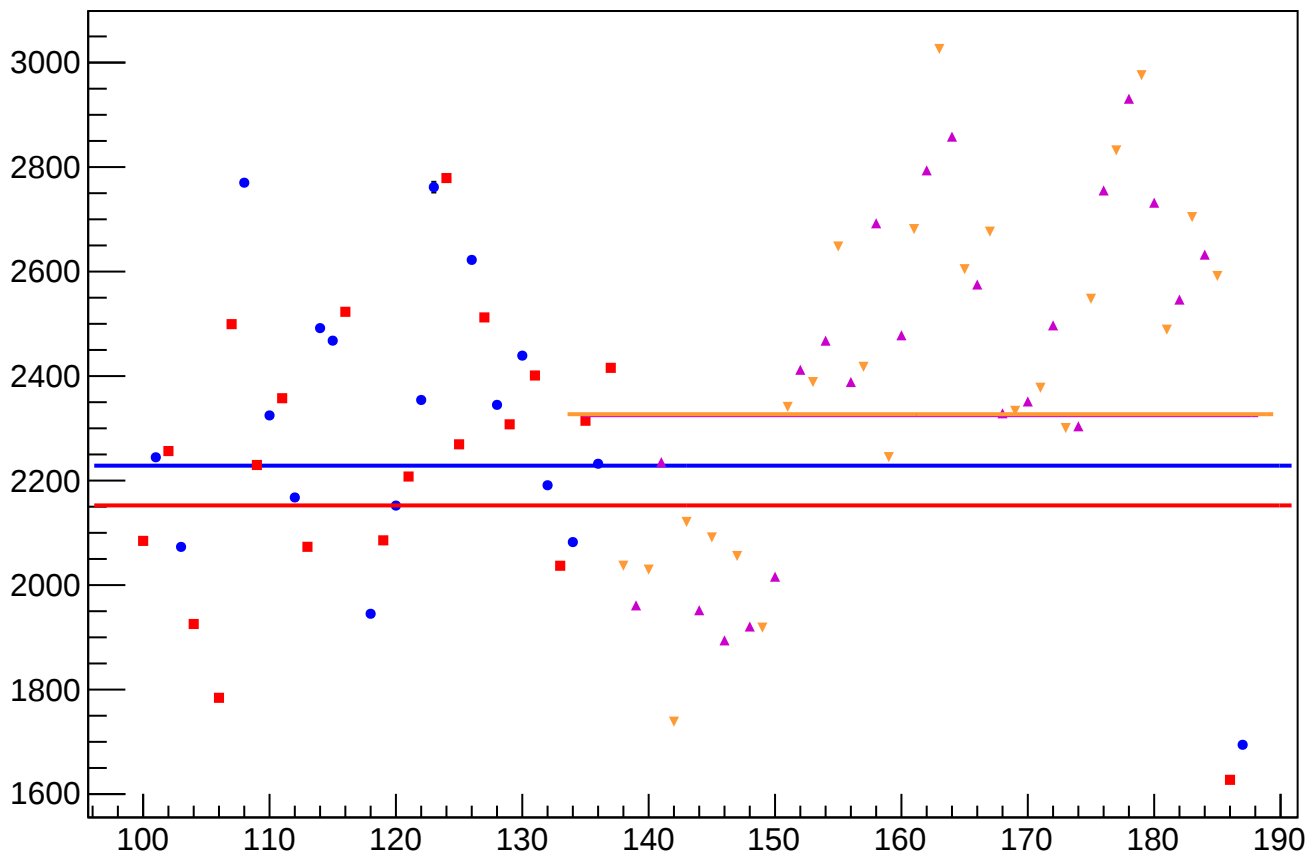
Right: 10.863 $\pm$ 0.582 χ^2 /NDF: 290.0/37

In: 4.861 $\pm$ 0.472 χ^2 /NDF:570.4/40

Out: 6.381 $\pm$ 0.451 χ^2 /NDF:193.7/44

All: 5.656 $\pm$ 0.326 χ^2 /NDF: 769.6/85

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2228.560 $\pm$ 0.605 χ^2/NDF : 128761.6/17

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

Right Out: 2152.466 $\pm$ 0.561 χ^2/NDF : 213824.0/19

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

Left: 2326.139 $\pm$ 0.278 χ^2/NDF : 1257447.2/47

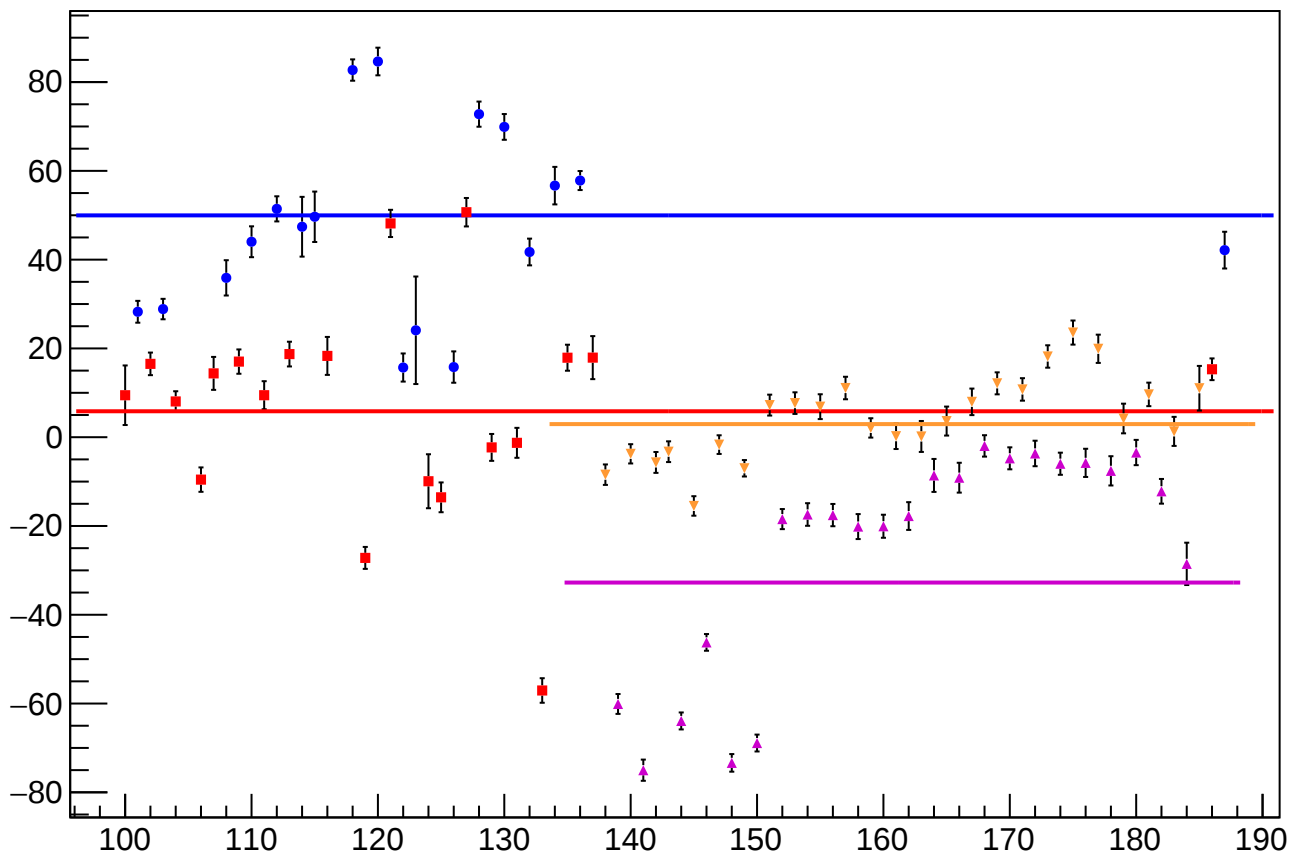
Right: 2187.637 $\pm$ 0.411 χ^2/NDF : 351085.8/37

In: 2295.843 $\pm$ 0.333 χ^2/NDF : 757236.2/40

Out: 2270.733 $\pm$ 0.319 χ^2/NDF : 926108.1/44

All: 2282.718 $\pm$ 0.230 χ^2/NDF : 1686307.7/85

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 49.971 ± 0.740 χ^2/NDF : 841.2/17

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

Right Out: 5.842 ± 0.686 χ^2/NDF : 1275.6/19

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

Left: -14.409 ± 0.367 χ^2/NDF : 5335.1/47

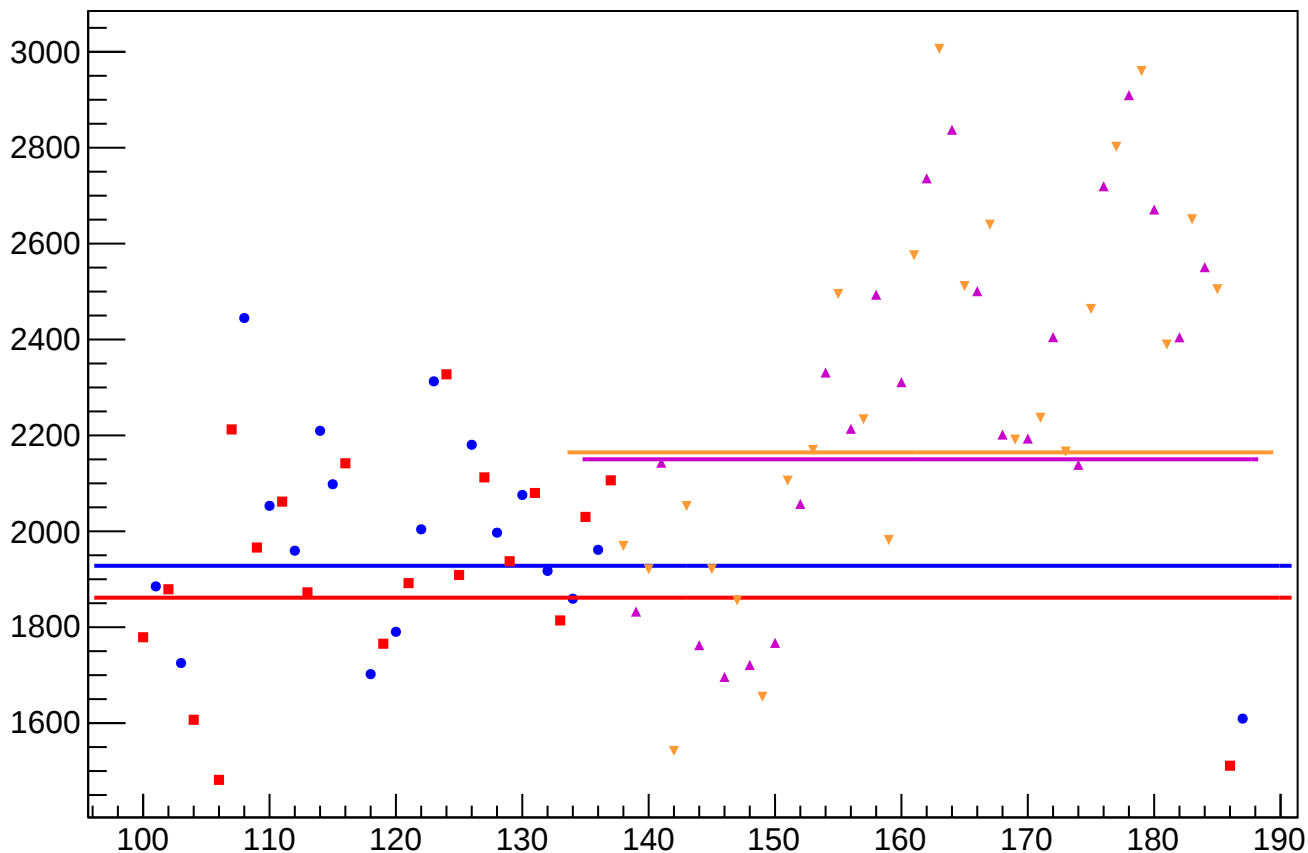
Right: 26.238 ± 0.503 χ^2/NDF : 4029.7/37

In: -4.970 ± 0.429 χ^2/NDF : 11773.9/40

Out: 3.986 ± 0.410 χ^2/NDF : 1624.8/44

All: -0.294 ± 0.296 χ^2/NDF : 13626.4/85

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1928.090+/-0.523 χ^2/NDF : 112257.0/17

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

Right Out: 1861.568+/-0.485 χ^2/NDF : 191247.2/19

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

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

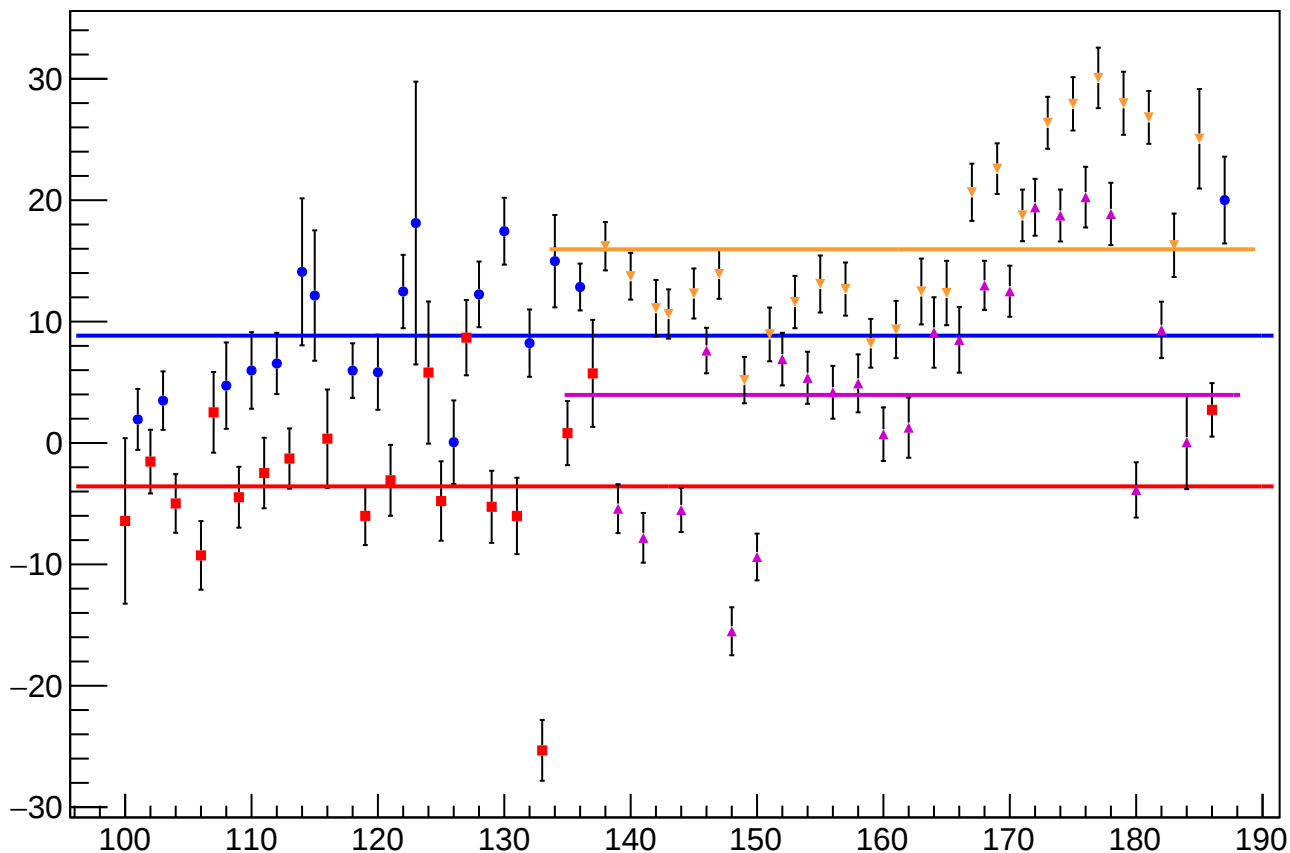
Right: 1892.313+/-0.356 χ^2/NDF : 312197.6/37

In: 2075.610+/-0.303 χ^2/NDF : 1143788.6/40

Out: 2056.179+/-0.290 χ^2/NDF : 1407502.3/44

All: 2065.466+/-0.210 χ^2/NDF : 2553434.9/85

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.841 ± 0.699 $\chi^2/\text{NDF}: 55.9/17$

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

Right Out: -3.574 ± 0.653 $\chi^2/\text{NDF}: 121.9/19$

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

Left: 10.161 ± 0.322 $\chi^2/\text{NDF}: 1057.3/47$

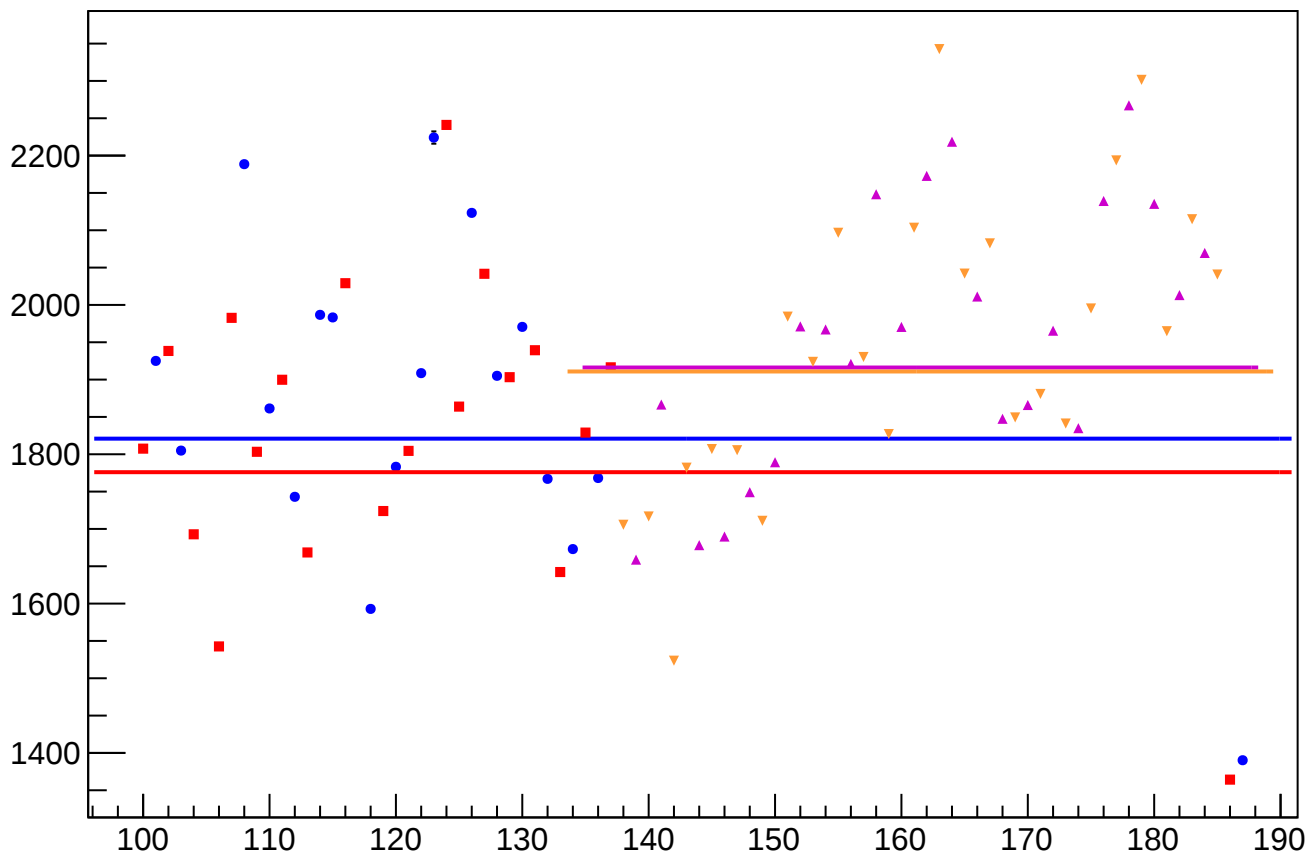
Right: 2.214 ± 0.477 $\chi^2/\text{NDF}: 346.3/37$

In: 5.449 ± 0.386 $\chi^2/\text{NDF}: 554.7/40$

Out: 9.716 ± 0.369 $\chi^2/\text{NDF}: 975.9/44$

All: 7.677 ± 0.267 $\chi^2/\text{NDF}: 1594.4/85$

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1820.909 ± 0.494 $\chi^2/\text{NDF}: 113004.4/17$

Left Out: 1910.859 ± 0.316 $\chi^2/\text{NDF}: 328970.6/24$

Right Out: 1775.996 ± 0.462 $\chi^2/\text{NDF}: 164073.8/19$

Left In: 1916.159 ± 0.327 $\chi^2/\text{NDF}: 274285.3/22$

Left: 1913.419 ± 0.227 $\chi^2/\text{NDF}: 603391.5/47$

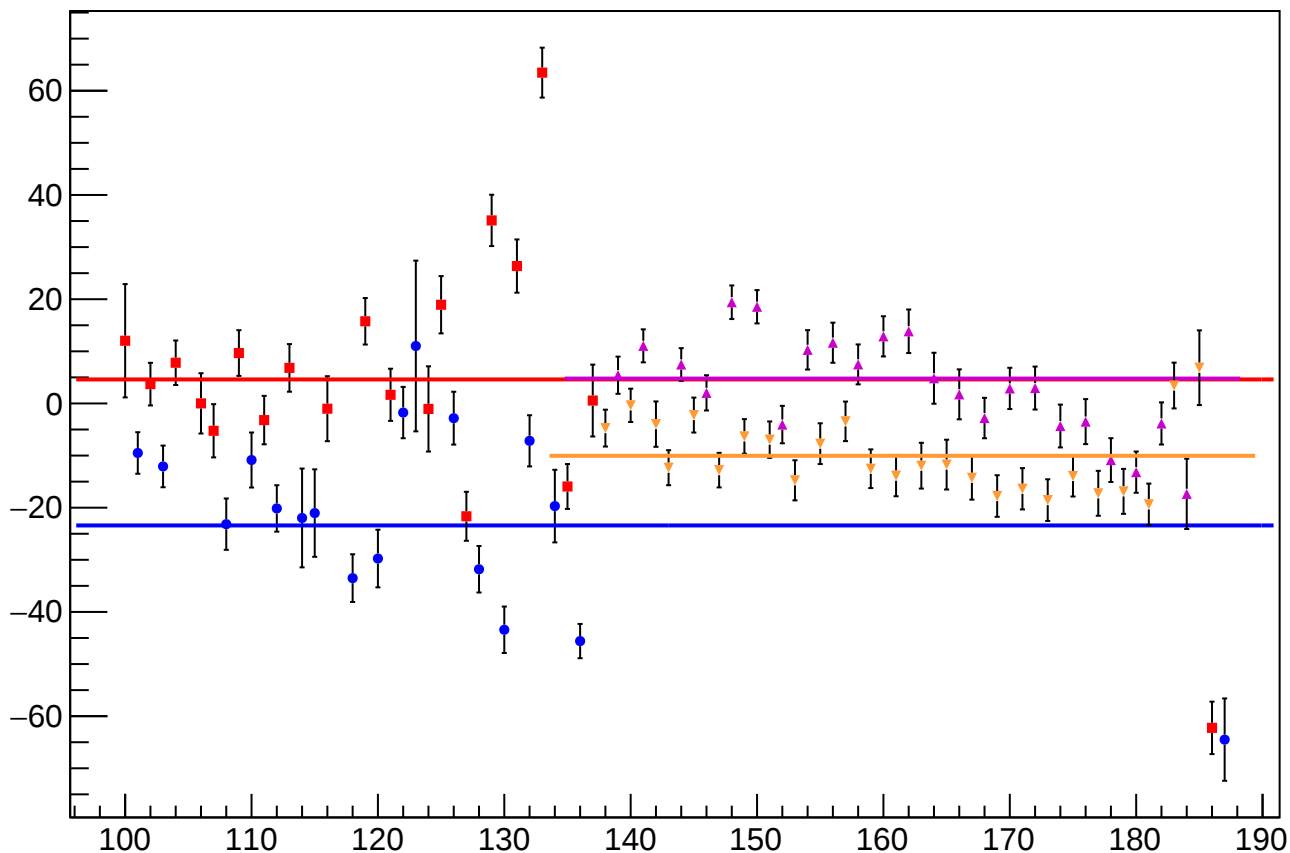
Right: 1796.934 ± 0.337 $\chi^2/\text{NDF}: 281489.7/37$

In: 1887.110 ± 0.273 $\chi^2/\text{NDF}: 413124.0/40$

Out: 1867.769 ± 0.261 $\chi^2/\text{NDF}: 551105.7/44$

All: 1877.010 ± 0.189 $\chi^2/\text{NDF}: 966853.7/85$

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -23.406 ± 1.183 χ^2/NDF : 180.5/17

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

Right Out: 4.609 ± 1.129 χ^2/NDF : 462.8/19

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

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

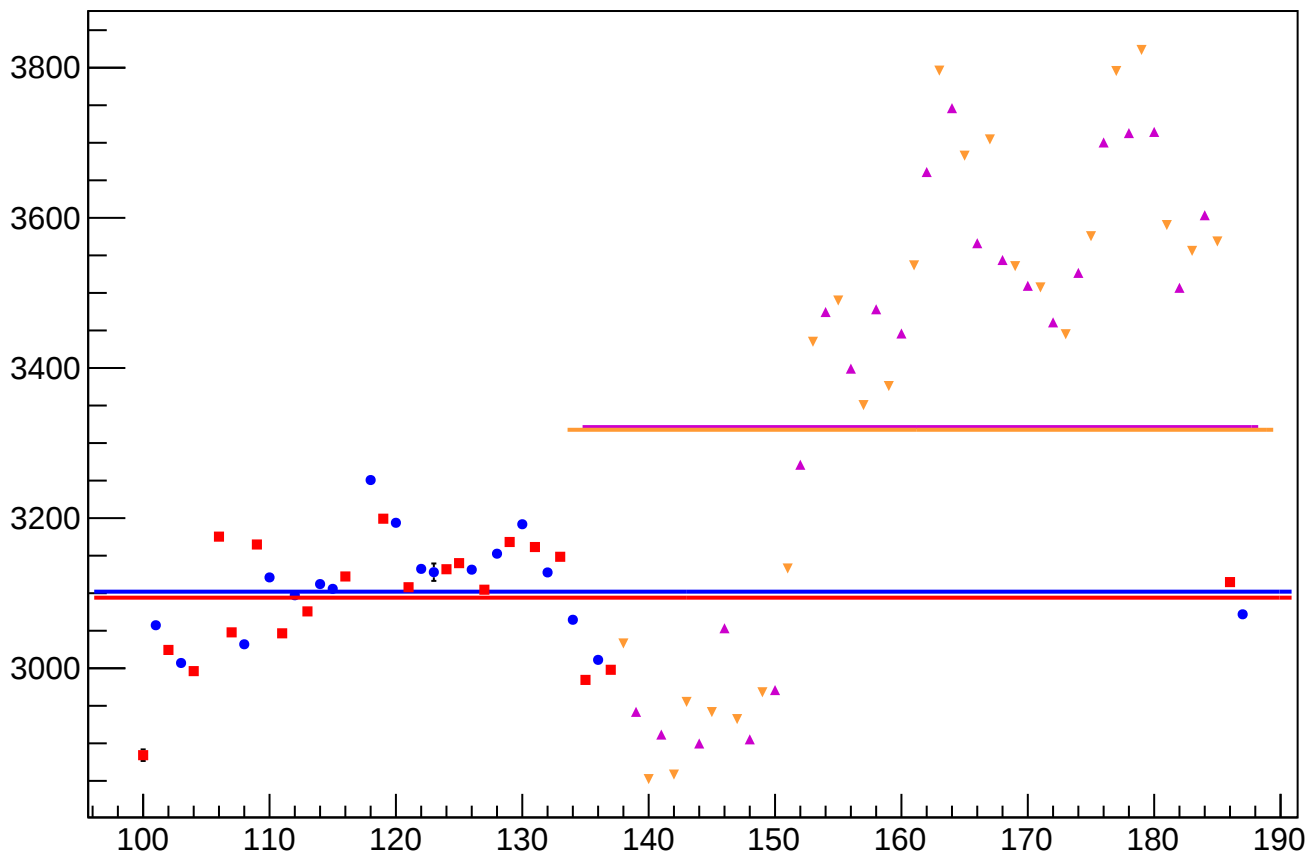
Right: -8.740 ± 0.817 χ^2/NDF : 936.8/37

In: -4.073 ± 0.663 χ^2/NDF : 698.1/40

Out: -5.338 ± 0.640 χ^2/NDF : 644.3/44

All: -4.728 ± 0.460 χ^2/NDF : 1344.3/85

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3102.052 $\pm$ 0.837 χ^2 /NDF: 7367.5/17

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

Right Out: 3094.054 $\pm$ 0.798 χ^2 /NDF: 7838.4/19

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

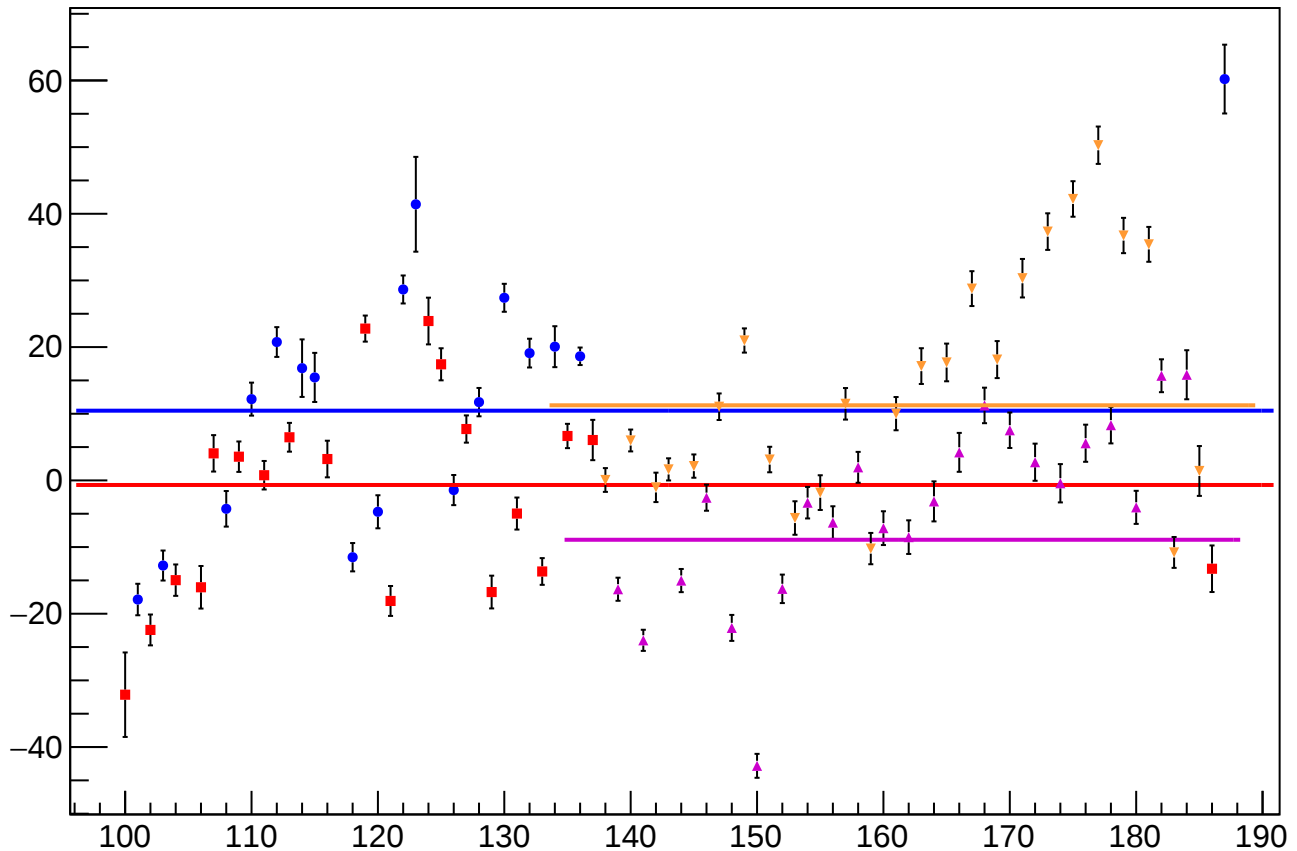
Right: 3097.865 $\pm$ 0.578 χ^2 /NDF: 15253.8/37

In: 3252.449 $\pm$ 0.469 χ^2 /NDF:338796.7/40

Out: 3245.896 $\pm$ 0.452 χ^2 /NDF:398003.2/44

All: 3249.055 $\pm$ 0.326 χ^2 /NDF: 736901.1/85

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 10.459 $\pm$ 0.557 χ^2 /NDF: 795.6/17

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

Right Out: -0.686 $\pm$ 0.541 χ^2 /NDF: 641.3/19

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

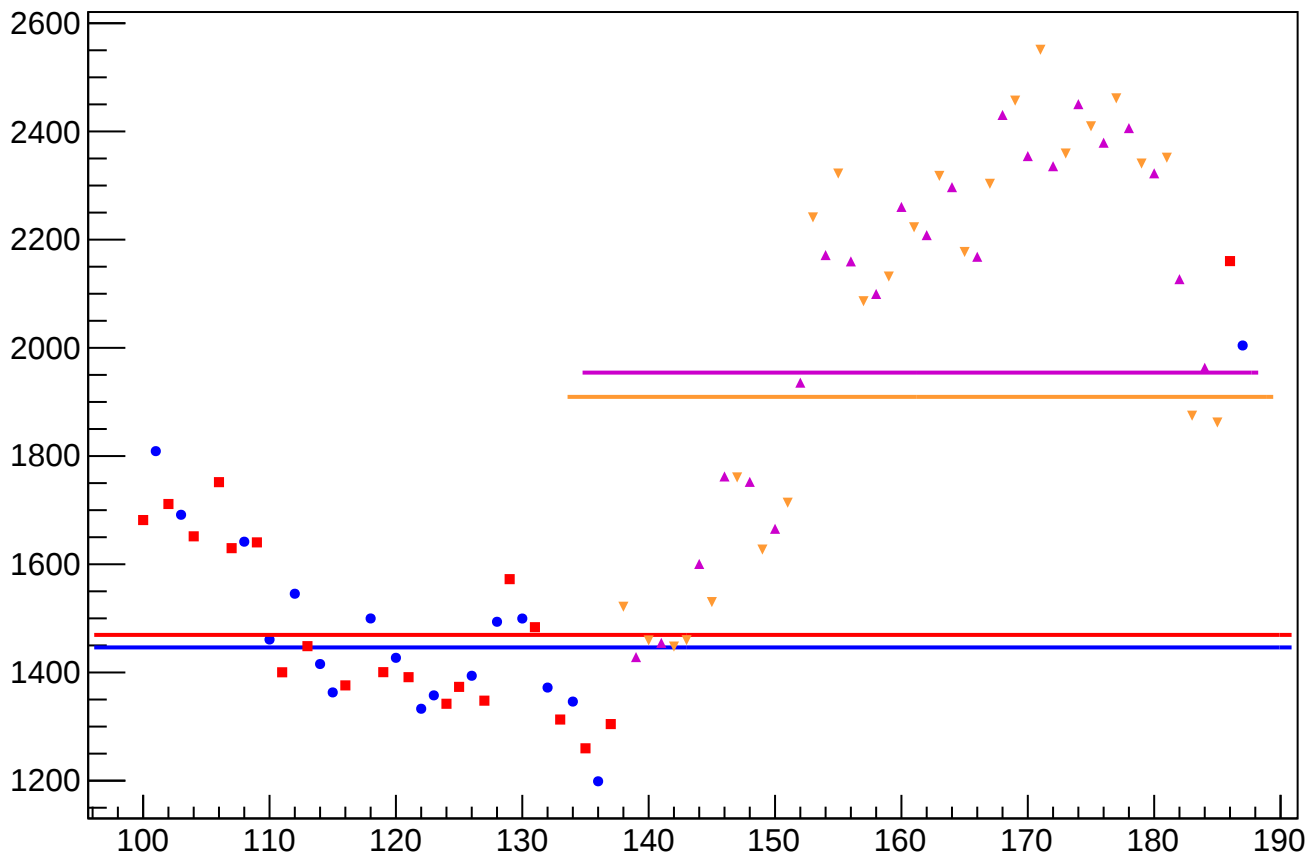
Right: 4.724 $\pm$ 0.388 χ^2 /NDF: 1642.8/37

In: -0.705 $\pm$ 0.363 χ^2 /NDF:2428.3/40

Out: 6.326 $\pm$ 0.348 χ^2 /NDF:2069.3/44

All: 2.955 $\pm$ 0.251 χ^2 /NDF: 4693.2/85

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1446.313 $\pm$ 0.394 χ^2 /NDF: 196524.2/17

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

Right Out: 1469.445 $\pm$ 0.383 χ^2 /NDF: 218610.4/19

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

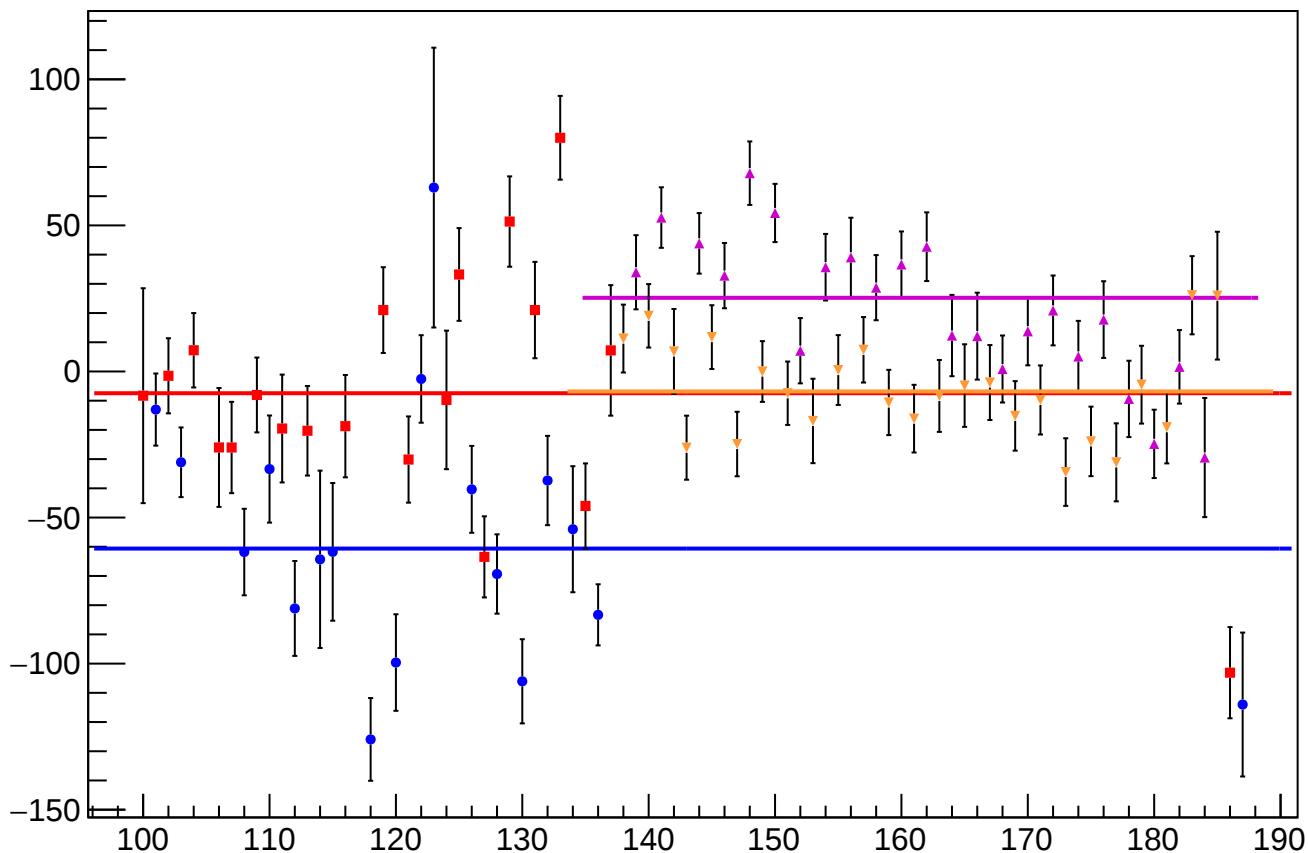
Right: 1458.216 $\pm$ 0.274 χ^2 /NDF: 416908.4/37

In: 1739.145 $\pm$ 0.256 χ^2 /NDF:2199575.6/40

Out: 1727.489 $\pm$ 0.246 χ^2 /NDF:2392372.4/44

All: 1733.077 $\pm$ 0.178 χ^2 /NDF: 4593023.9/85

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -60.620 $\pm$ 3.693 χ^2/NDF : 97.4/17

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

Right Out: -7.445 $\pm$ 3.542 χ^2/NDF : 133.9/19

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

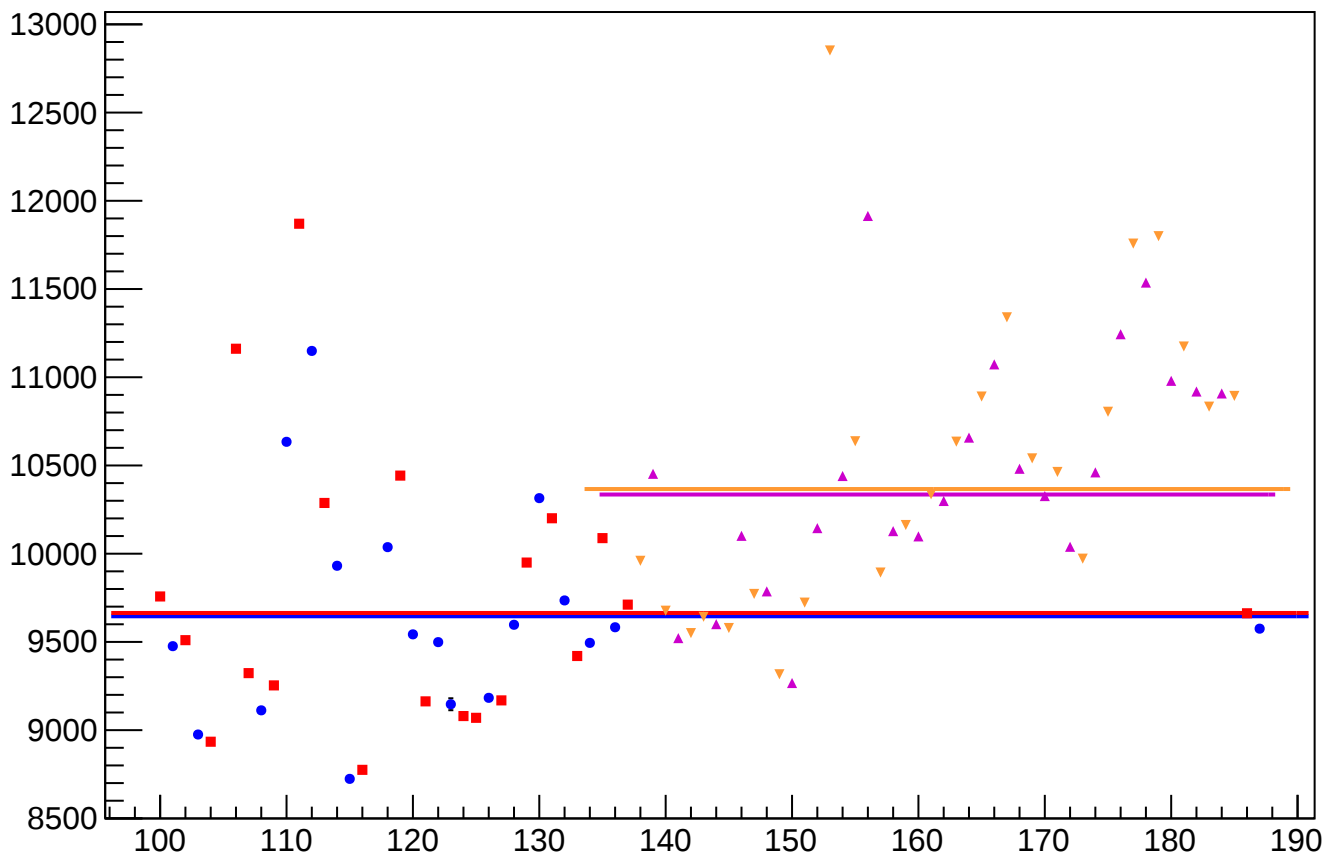
Right: -32.917 $\pm$ 2.556 χ^2/NDF : 339.3/37

In: -1.557 $\pm$ 2.063 χ^2/NDF : 558.3/40

Out: -7.022 $\pm$ 2.000 χ^2/NDF : 176.3/44

All: -4.375 $\pm$ 1.436 χ^2/NDF : 738.2/85

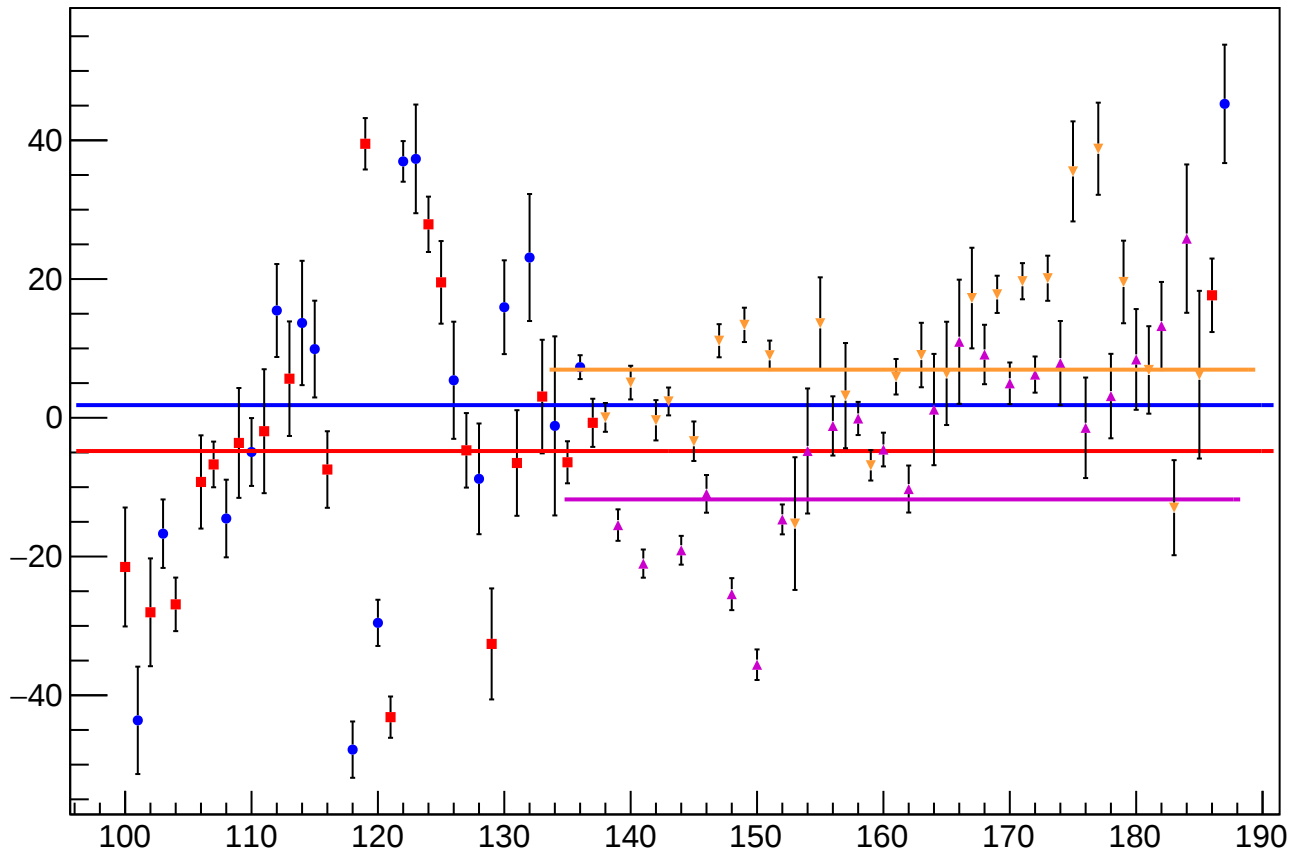
diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9645.307 ± 2.612 $\chi^2/\text{NDF}: 44013.7/17$
 Left Out: 10366.534 ± 1.713 $\chi^2/\text{NDF}: 211402.8/24$
 Right Out: 9664.096 ± 2.504 $\chi^2/\text{NDF}: 77326.5/19$
 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: 9655.095 ± 1.808 $\chi^2/\text{NDF}: 121367.2/37$
 In: 10120.156 ± 1.459 $\chi^2/\text{NDF}: 219232.5/40$
 Out: 10142.629 ± 1.414 $\chi^2/\text{NDF}: 342328.9/44$
 All: 10131.742 ± 1.015 $\chi^2/\text{NDF}: 561683.8/85$

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 1.826 ± 1.059 $\chi^2/\text{NDF}: 517.0/17$

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

Right Out: -4.793 ± 1.069 $\chi^2/\text{NDF}: 473.7/19$

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

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

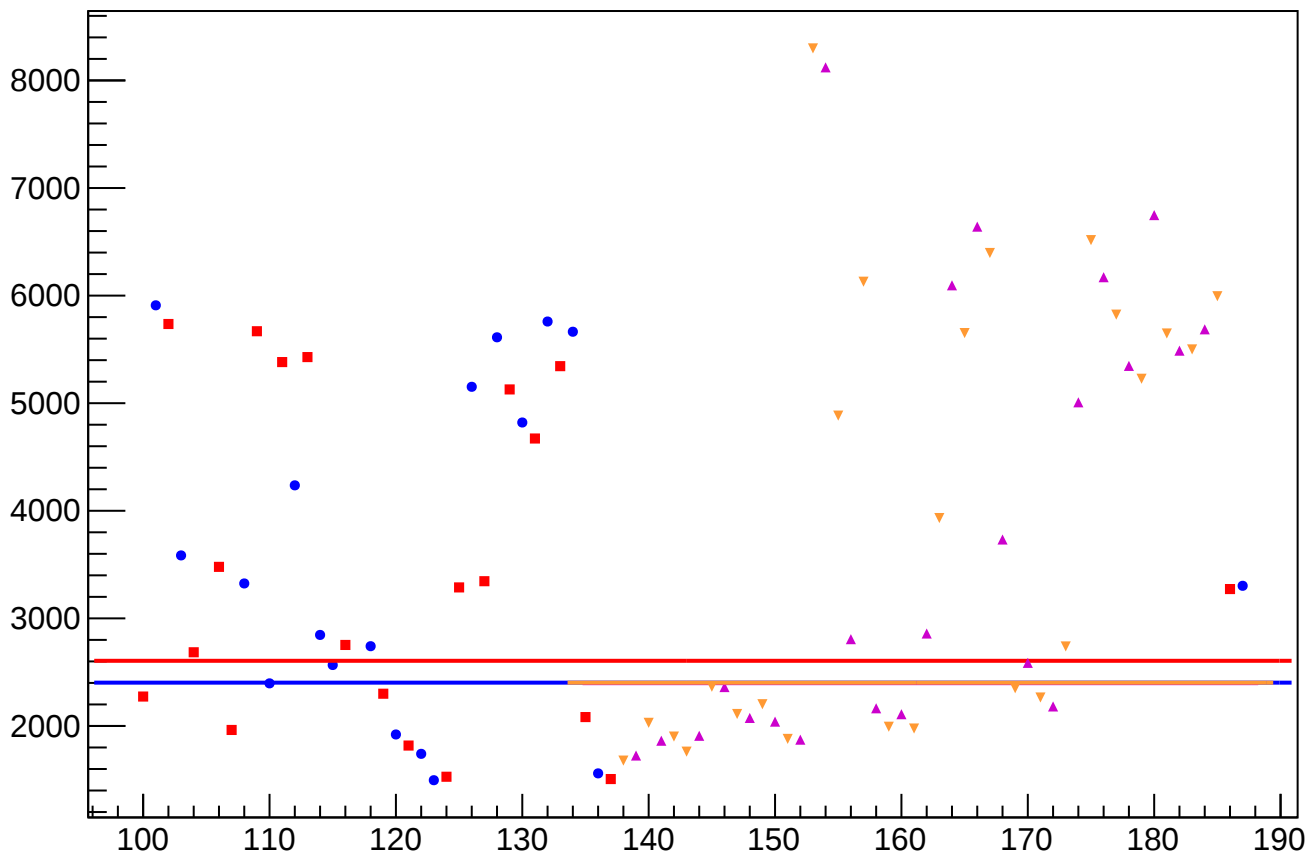
Right: -1.451 ± 0.752 $\chi^2/\text{NDF}: 1010.0/37$

In: -8.060 ± 0.553 $\chi^2/\text{NDF}: 1031.9/40$

Out: 3.854 ± 0.548 $\chi^2/\text{NDF}: 766.3/44$

All: -2.054 ± 0.389 $\chi^2/\text{NDF}: 2032.2/85$

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2402.611+/-0.749 χ^2/NDF : 2611294.1/17

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

Right Out: 2605.683+/-0.756 χ^2/NDF : 2391818.2/19

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

Left: 2400.065+/-0.322 χ^2/NDF : 11744955.3/47

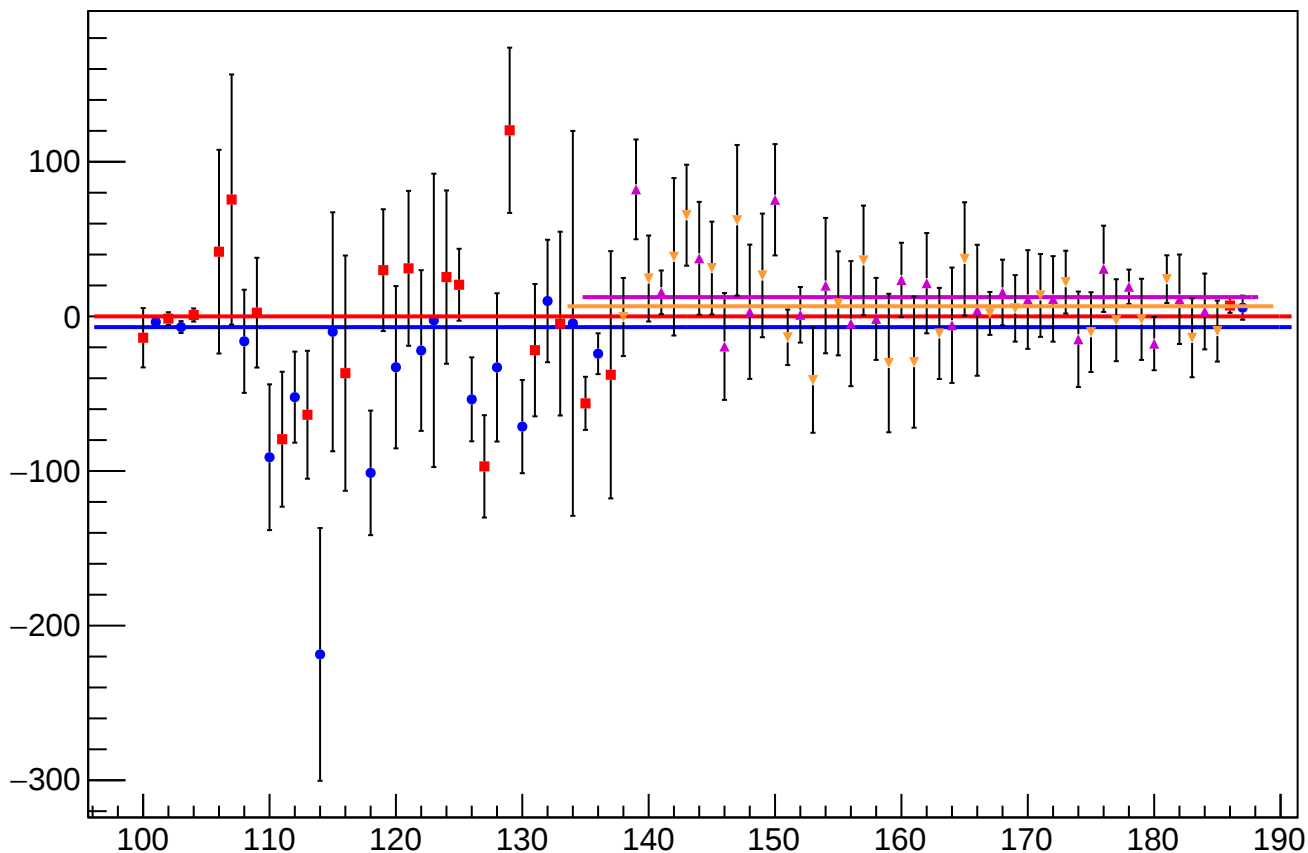
Right: 2503.144+/-0.532 χ^2/NDF : 5039525.1/37

In: 2399.040+/-0.391 χ^2/NDF : 8010245.5/40

Out: 2455.821+/-0.388 χ^2/NDF : 8791085.0/44

All: 2427.665+/-0.275 χ^2/NDF : 16811962.8/86

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -6.950 $\pm$ 2.456 χ^2 /NDF: 31.2/17

Left Out: 6.560 $\pm$ 5.077 χ^2 /NDF:16.8/24

Right Out: 0.000 $\pm$ 2.404 χ^2 /NDF: 36.9/19

Left In: 12.469 $\pm$ 5.025 χ^2 /NDF:15.4/22

Left: 9.545 $\pm$ 3.572 χ^2 /NDF: 32.8/47

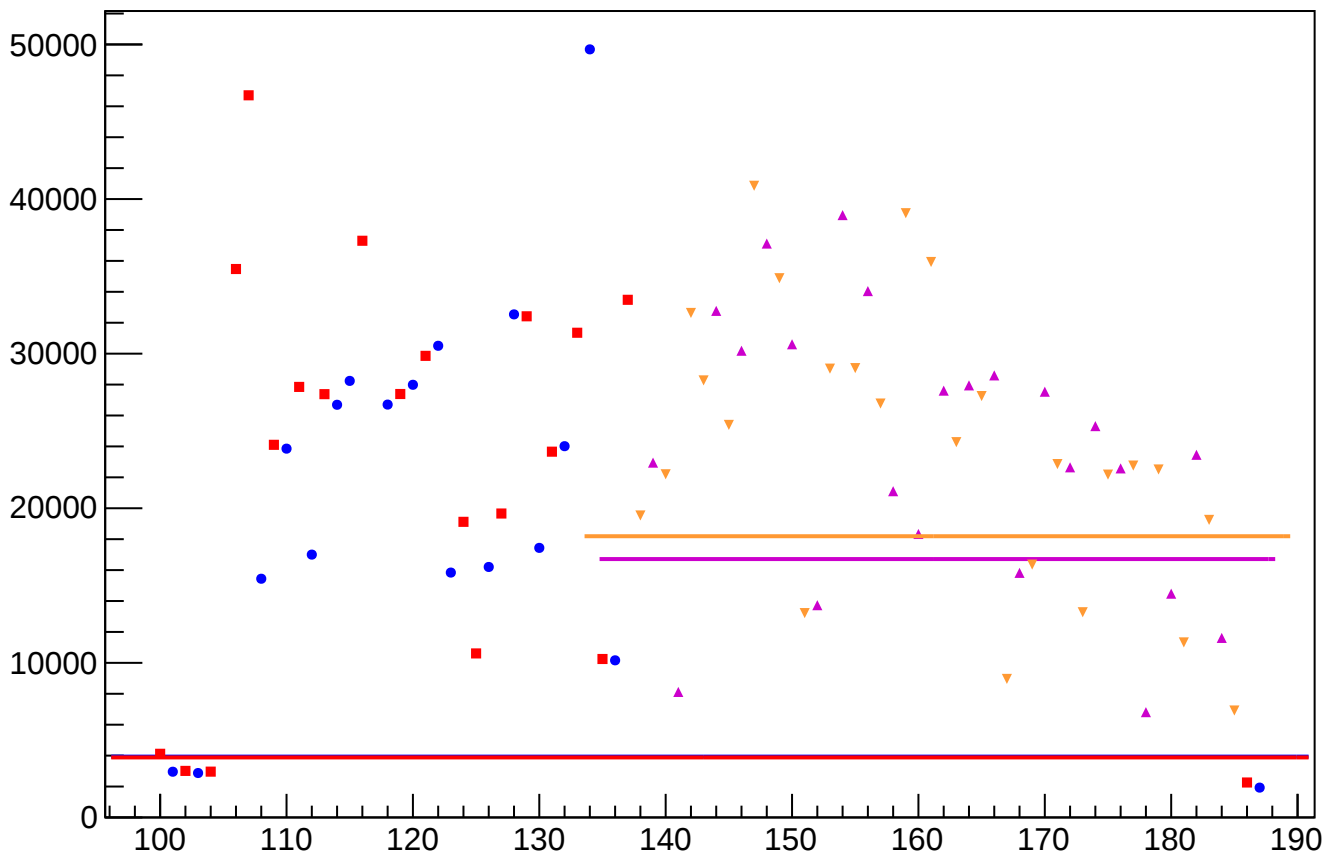
Right: -3.400 $\pm$ 1.718 χ^2 /NDF: 72.2/37

In: -3.205 $\pm$ 2.207 χ^2 /NDF:58.6/40

Out: 1.201 $\pm$ 2.173 χ^2 /NDF:55.0/44

All: -0.968 $\pm$ 1.548 χ^2 /NDF: 115.7/85

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 3934.913 ± 1.737 $\chi^2/\text{NDF}: 6121540.7/17$

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

Right Out: 3882.941 ± 1.700 $\chi^2/\text{NDF}: 7713485.7/19$

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

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

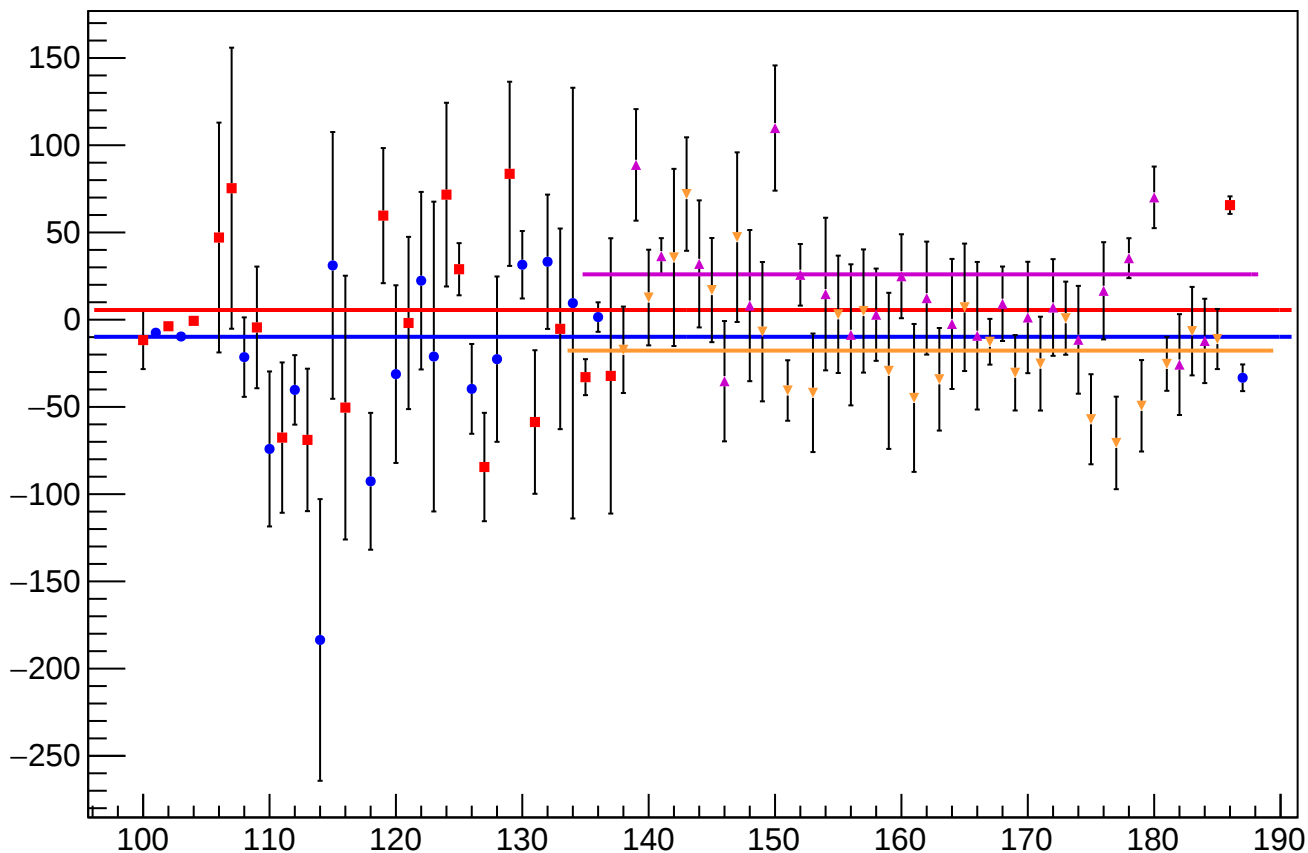
Right: 3908.366 ± 1.215 $\chi^2/\text{NDF}: 13835483.8/37$

In: 6398.992 ± 1.560 $\chi^2/\text{NDF}: 22754572.4/40$

Out: 6502.396 ± 1.536 $\chi^2/\text{NDF}: 25947925.7/44$

All: 6451.501 ± 1.095 $\chi^2/\text{NDF}: 48704728.1/8$

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -9.805 $\pm$ 1.732 χ^2/NDF : 33.9/17

Left Out: -17.717 $\pm$ 4.974 χ^2/NDF : 27.2/24

Right Out: 5.556 $\pm$ 1.795 χ^2/NDF : 201.1/19

Left In: 25.991 $\pm$ 4.789 χ^2/NDF : 32.6/22

Left: 4.967 $\pm$ 3.450 χ^2/NDF : 99.8/47

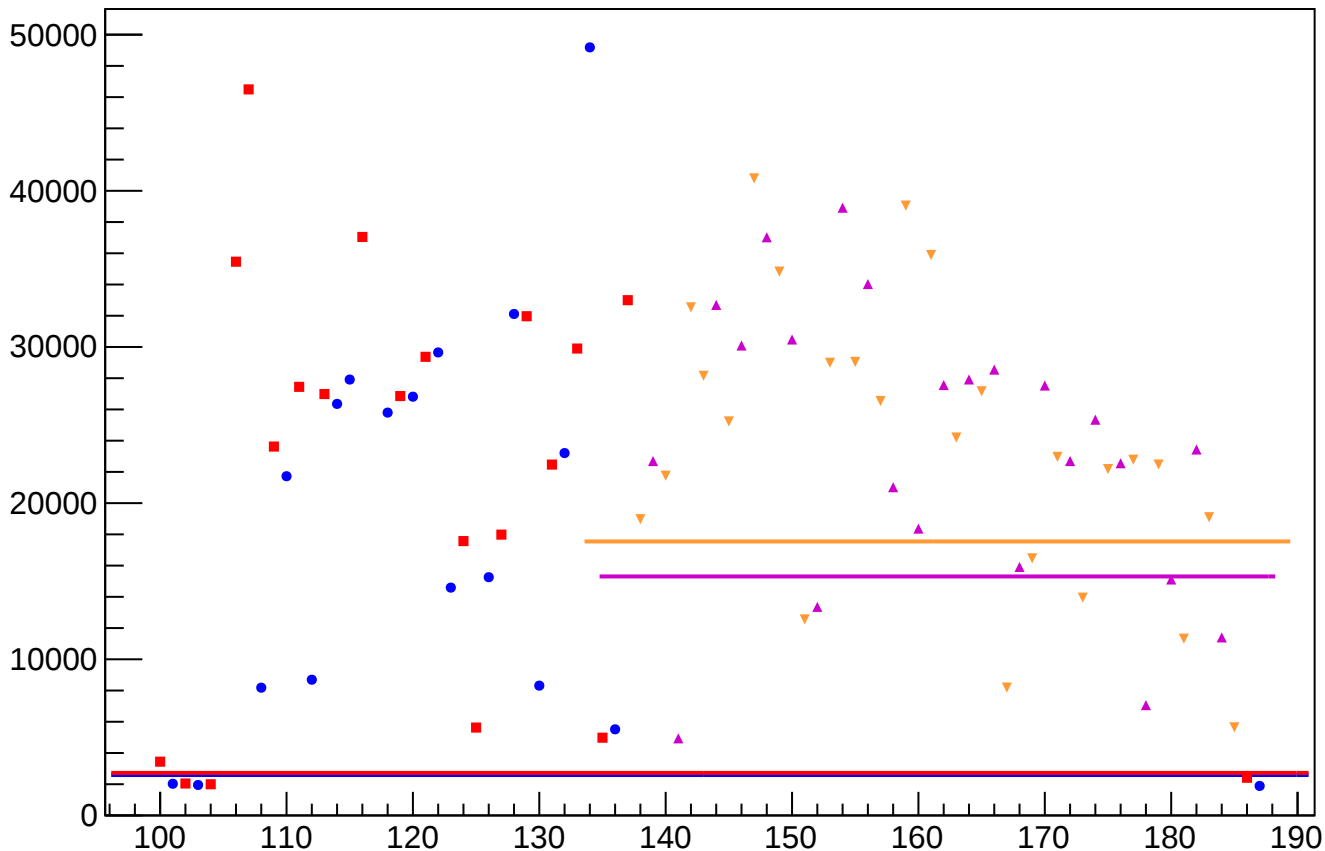
Right: -2.401 $\pm$ 1.246 χ^2/NDF : 272.9/37

In: -5.665 $\pm$ 1.629 χ^2/NDF : 115.9/40

Out: 2.874 $\pm$ 1.689 χ^2/NDF : 247.6/44

All: -1.550 $\pm$ 1.172 χ^2/NDF : 376.8/85

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2589.350 ± 1.225 $\chi^2/\text{NDF}: 5587460.5/17$

Left Out: 17546.173 ± 3.517 $\chi^2/\text{NDF}: 5902620.4/24$

Right Out: 2725.200 ± 1.269 $\chi^2/\text{NDF}: 7821531.7/19$

Left In: 15305.311 ± 3.386 $\chi^2/\text{NDF}: 7721177.0/22$

Left: 16383.216 ± 2.439 $\chi^2/\text{NDF}: 13834445.4/47$

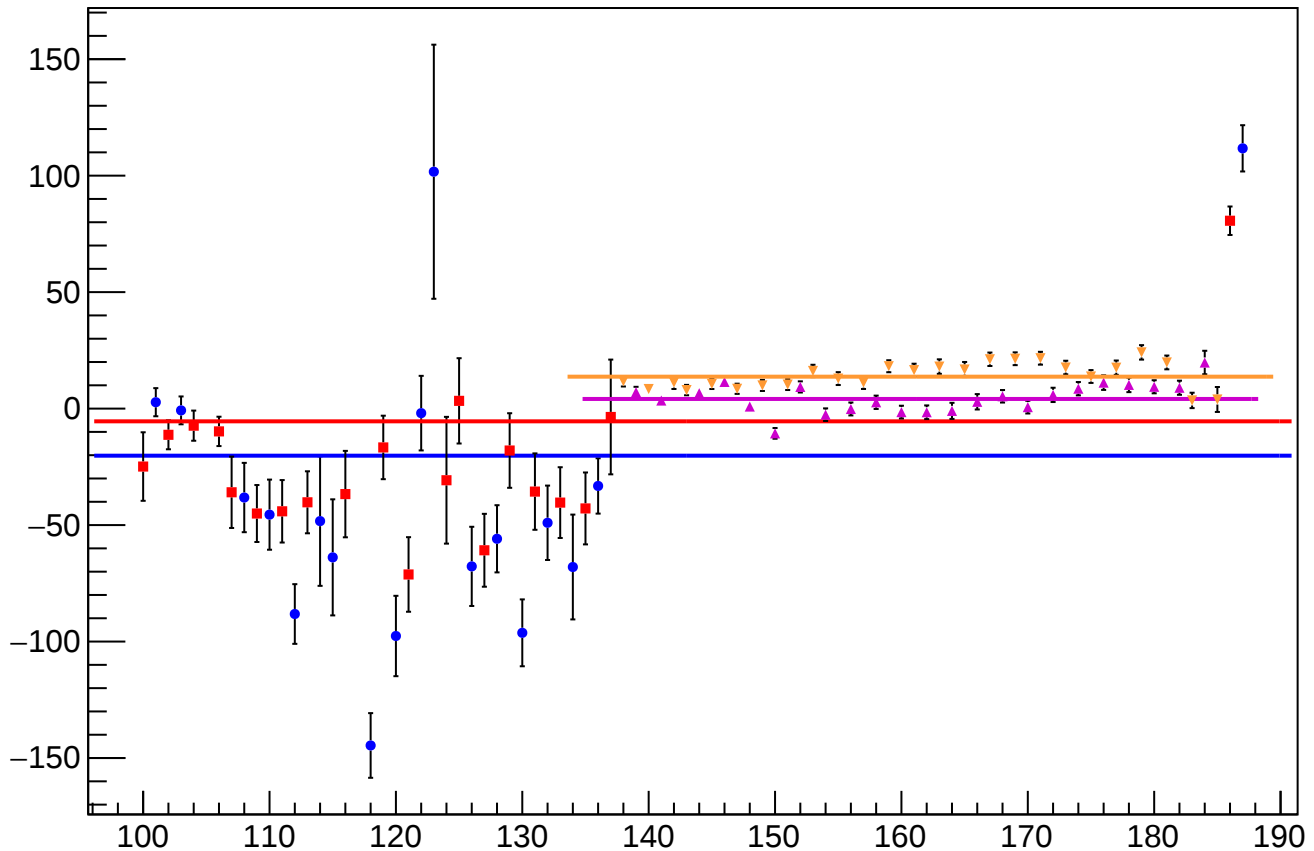
Right: 2654.833 ± 0.881 $\chi^2/\text{NDF}: 13414924.1/37$

In: 4060.053 ± 1.152 $\chi^2/\text{NDF}: 25779041.9/40$

Out: 4433.317 ± 1.194 $\chi^2/\text{NDF}: 29433298.6/44$

All: 4239.931 ± 0.829 $\chi^2/\text{NDF}: 55262967.3/86$

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -20.210 ± 2.858 χ^2/NDF : 395.7/17

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

Right Out: -5.463 ± 2.448 χ^2/NDF : 280.4/19

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

Left: 9.097 ± 0.385 χ^2/NDF : 355.6/47

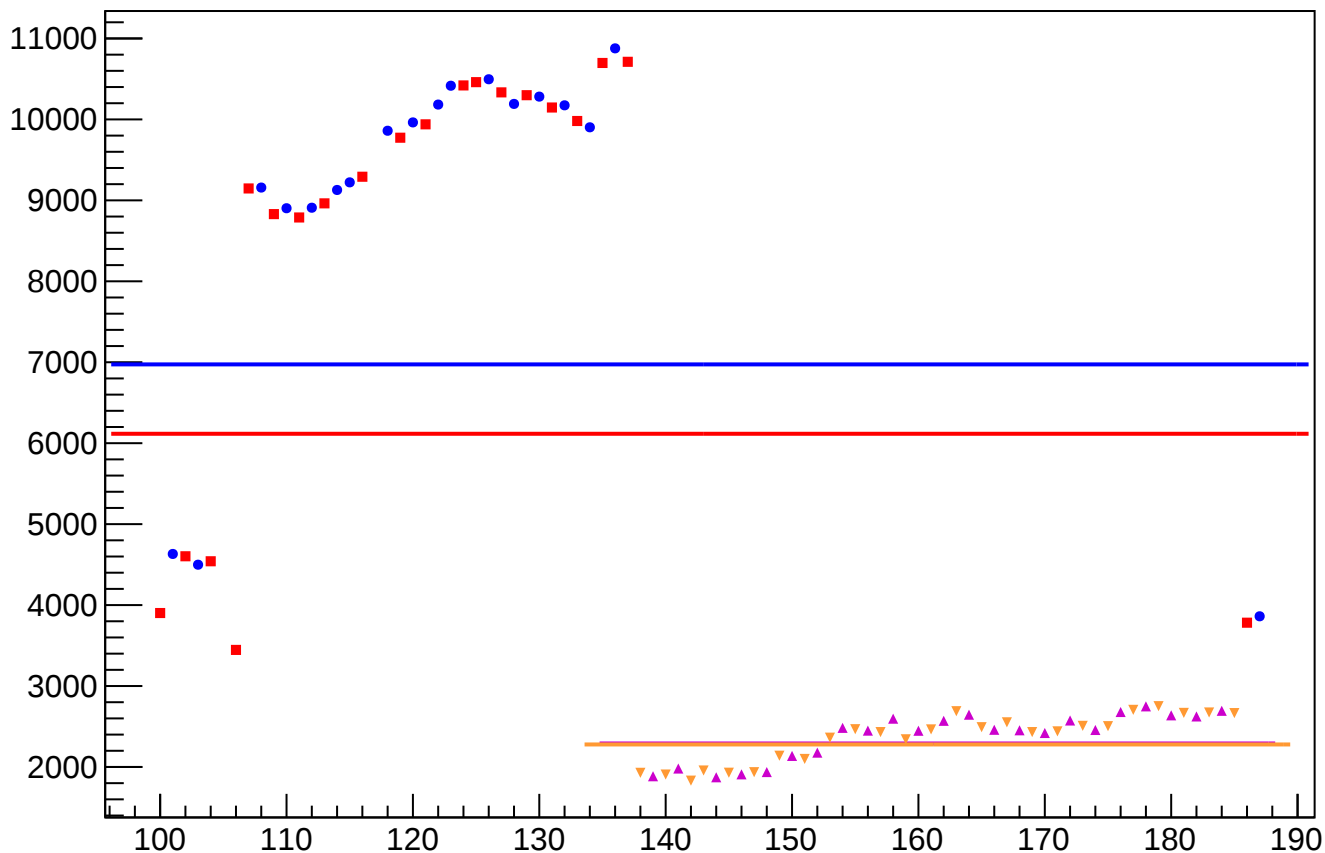
Right: -11.702 ± 1.859 χ^2/NDF : 691.5/37

In: 3.256 ± 0.545 χ^2/NDF : 577.4/40

Out: 12.835 ± 0.523 χ^2/NDF : 428.8/44

All: 8.241 ± 0.377 χ^2/NDF : 1167.1/85

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 6973.467+/-2.021 χ^2/NDF : 1847166.9/17

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

Right Out: 6116.322+/-1.731 χ^2/NDF : 2538489.1/19

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

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

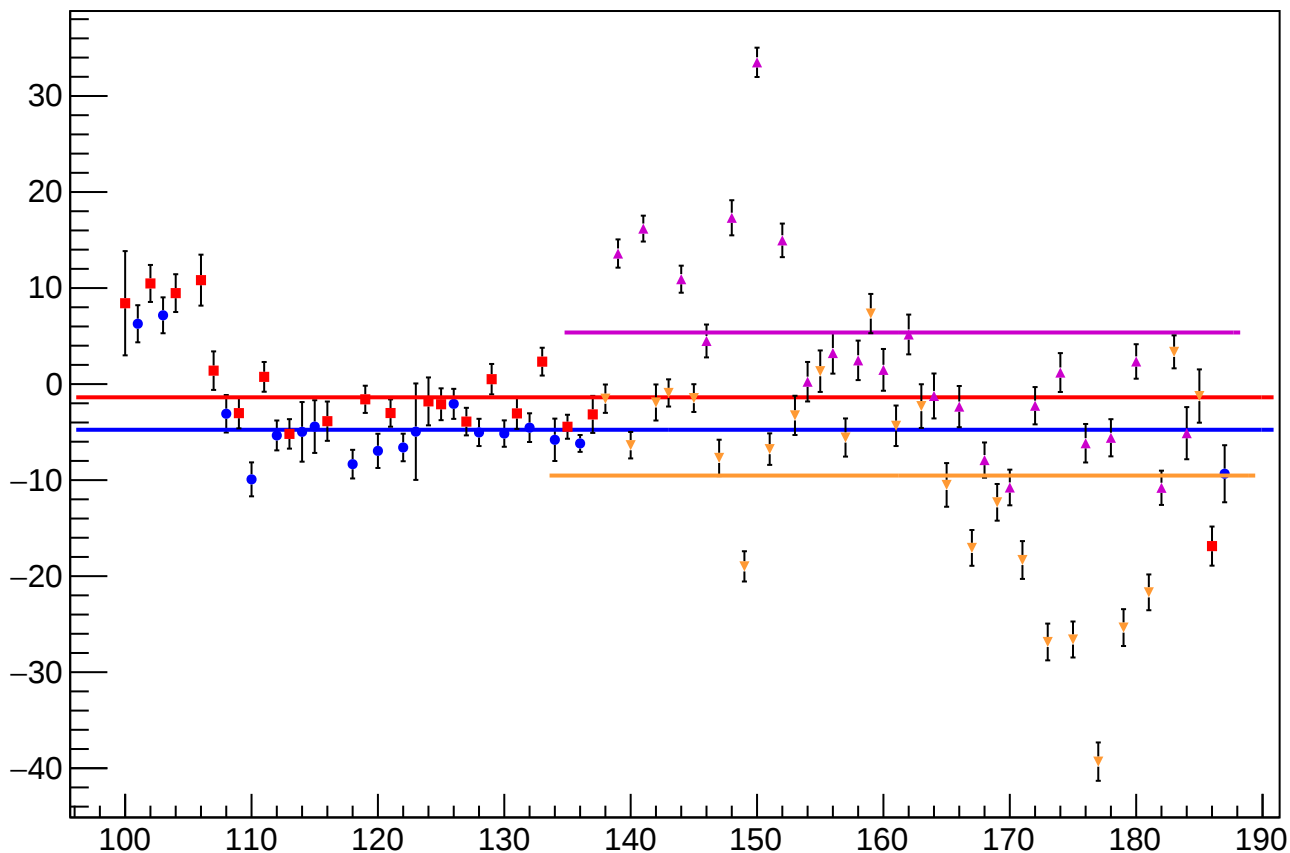
Right: 6478.975+/-1.315 χ^2/NDF : 4489411.7/37

In: 2460.484+/-0.385 χ^2/NDF : 7610966.8/40

Out: 2453.259+/-0.370 χ^2/NDF : 7838474.1/44

All: 2456.724+/-0.267 χ^2/NDF : 15449624.0/8

diff_bpm0l04Y_mean vs Slug, Sign Corrected



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

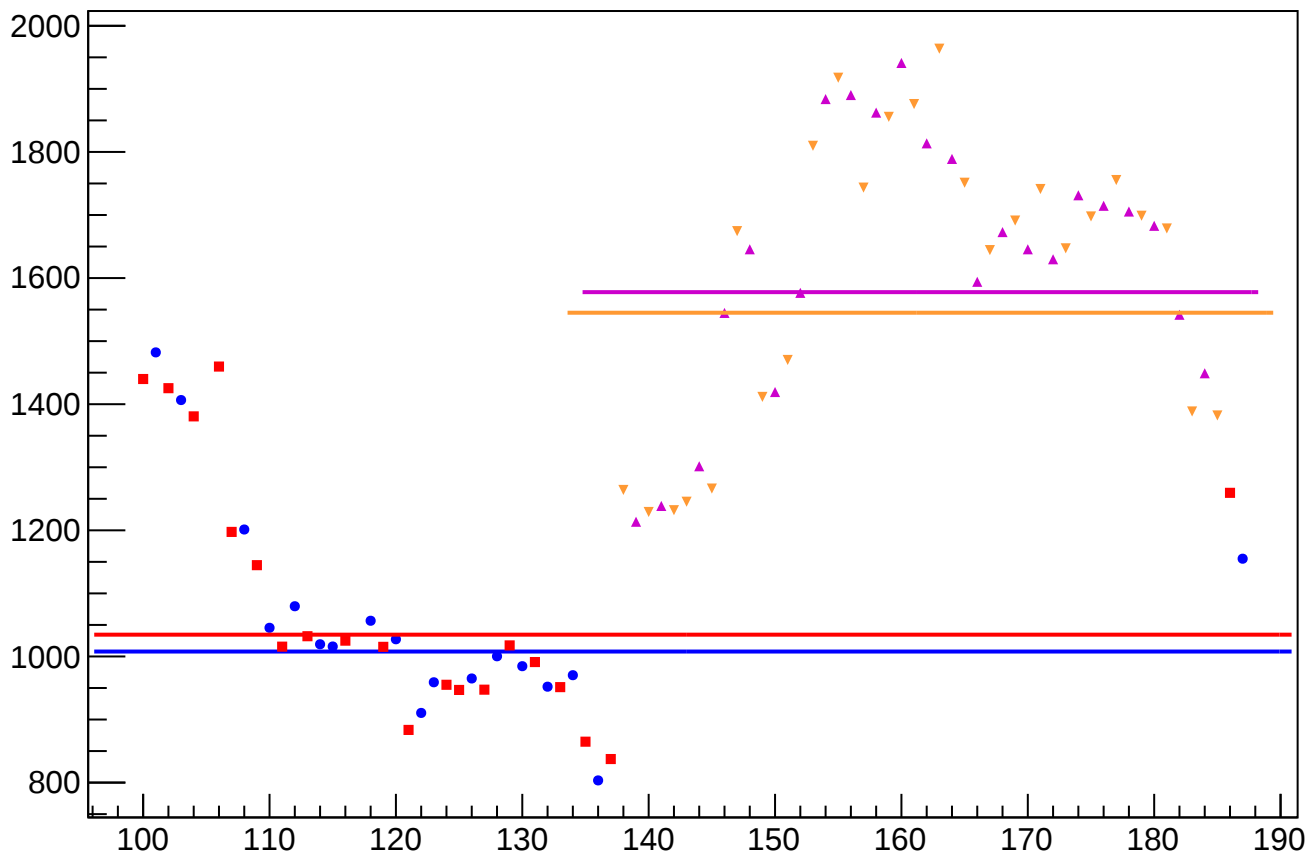
Right: -3.033 ± 0.273 $\chi^2/\text{NDF}: 322.0/37$

In: 0.400 ± 0.273 $\chi^2/\text{NDF}: 1313.3/40$

Out: -5.641 ± 0.264 $\chi^2/\text{NDF}: 1305.5/44$

All: -2.725 ± 0.190 $\chi^2/\text{NDF}: 2871.8/85$

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1007.814 ± 0.276 χ^2/NDF : 366926.9/17

Left Out: 1545.053 ± 0.258 χ^2/NDF : 842722.3/24

Right Out: 1034.556 ± 0.270 χ^2/NDF : 358246.6/19

Left In: 1577.685 ± 0.271 χ^2/NDF : 625406.2/22

Left: 1560.578 ± 0.187 χ^2/NDF : 1475743.3/47

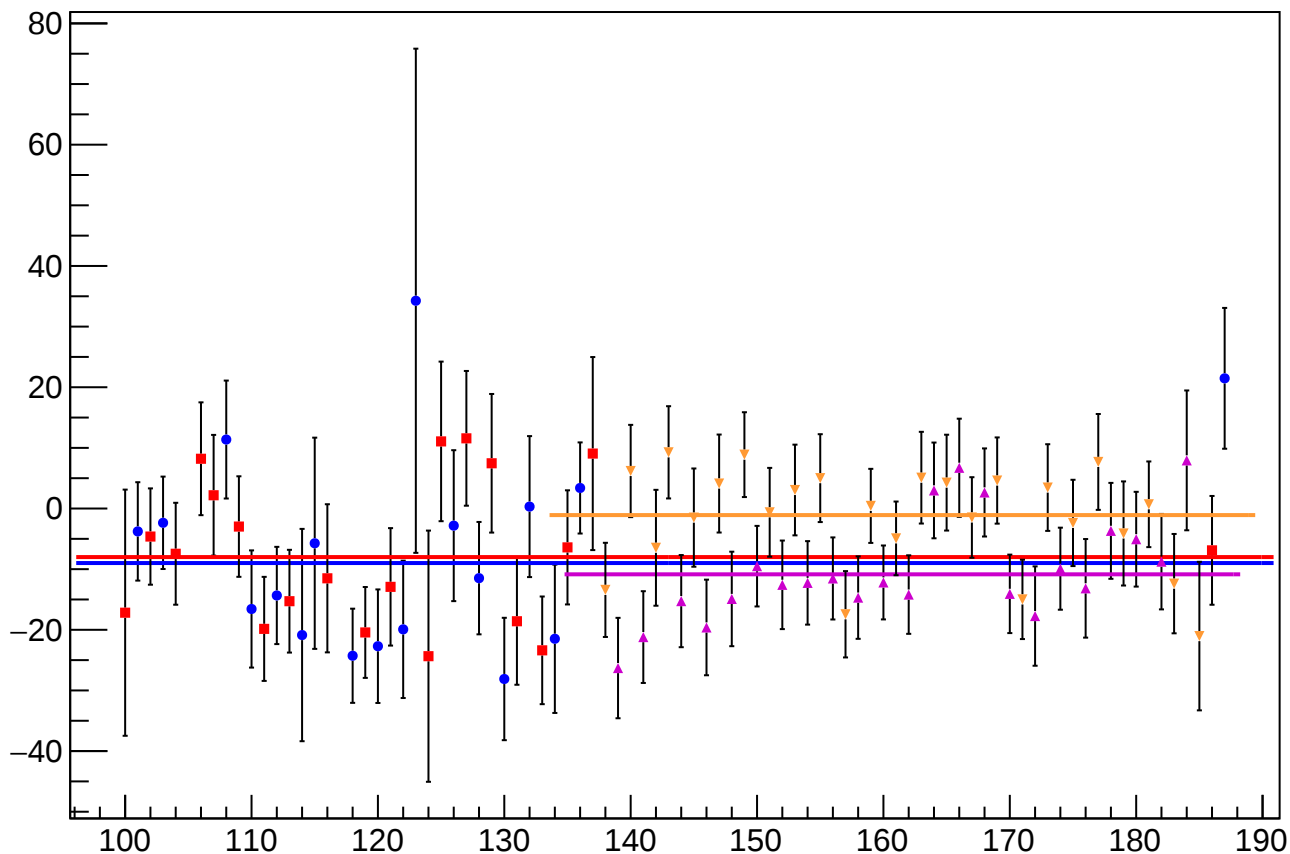
Right: 1021.449 ± 0.193 χ^2/NDF : 729969.8/37

In: 1297.936 ± 0.193 χ^2/NDF : 3167039.2/40

Out: 1301.776 ± 0.187 χ^2/NDF : 3067668.2/44

All: 1299.922 ± 0.134 χ^2/NDF : 6234911.8/85

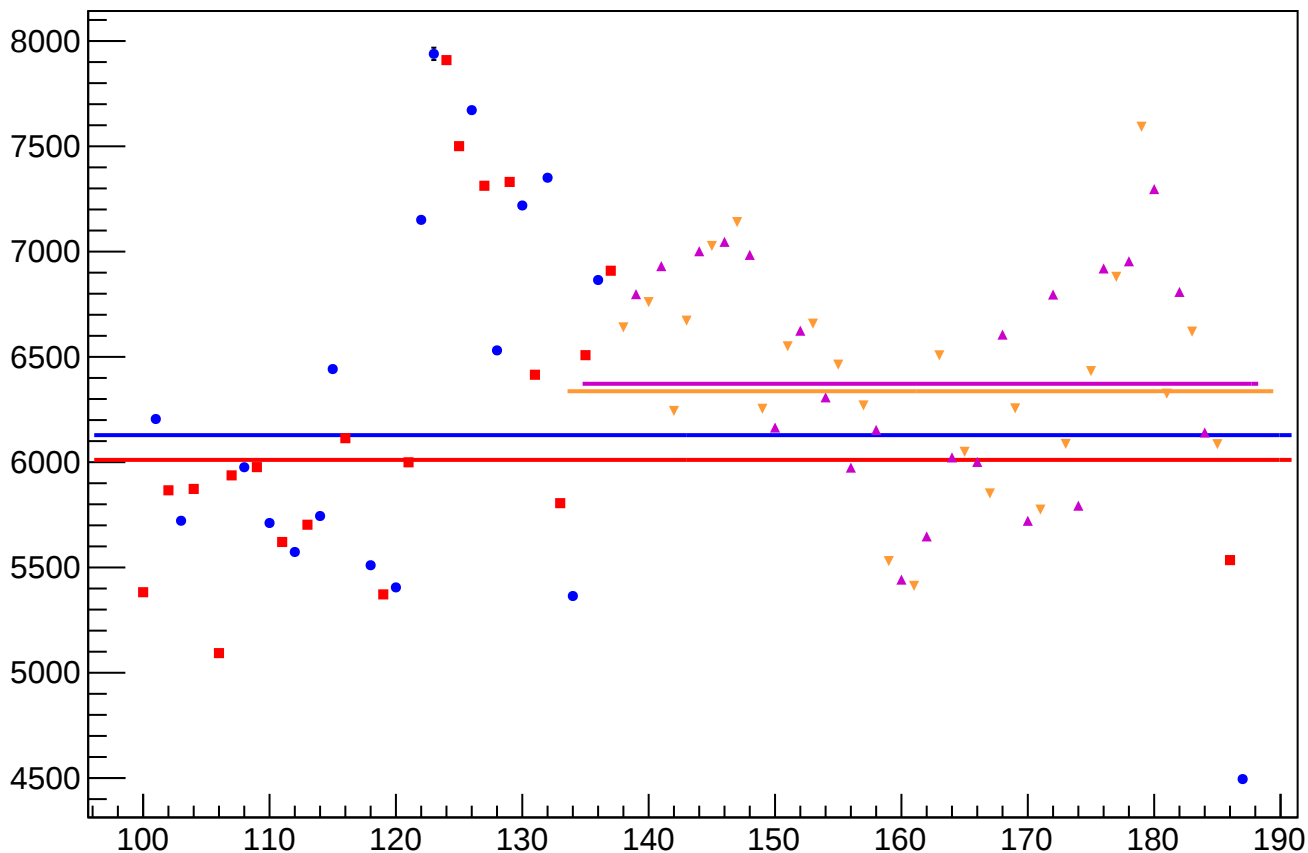
diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -8.991 $\pm$ 2.361 χ^2/NDF : 30.3/17
Left Out: -1.083 $\pm$ 1.487 χ^2/NDF :27.5/24
Right Out: -8.007 $\pm$ 2.210 χ^2/NDF : 23.5/19
Left In: -10.851 $\pm$ 1.542 χ^2/NDF :24.4/22

Left: -5.792 $\pm$ 1.070 χ^2/NDF : 72.7/47
Right: -8.467 $\pm$ 1.614 χ^2/NDF : 53.9/37
In: -10.295 $\pm$ 1.291 χ^2/NDF :55.1/40
Out: -3.241 $\pm$ 1.234 χ^2/NDF :57.7/44
All: -6.609 $\pm$ 0.892 χ^2/NDF : 128.5/85

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 6128.408 $\pm$ 1.670 χ^2/NDF : 212583.5/17

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

Right Out: 6010.865 $\pm$ 1.563 χ^2/NDF : 162378.3/19

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

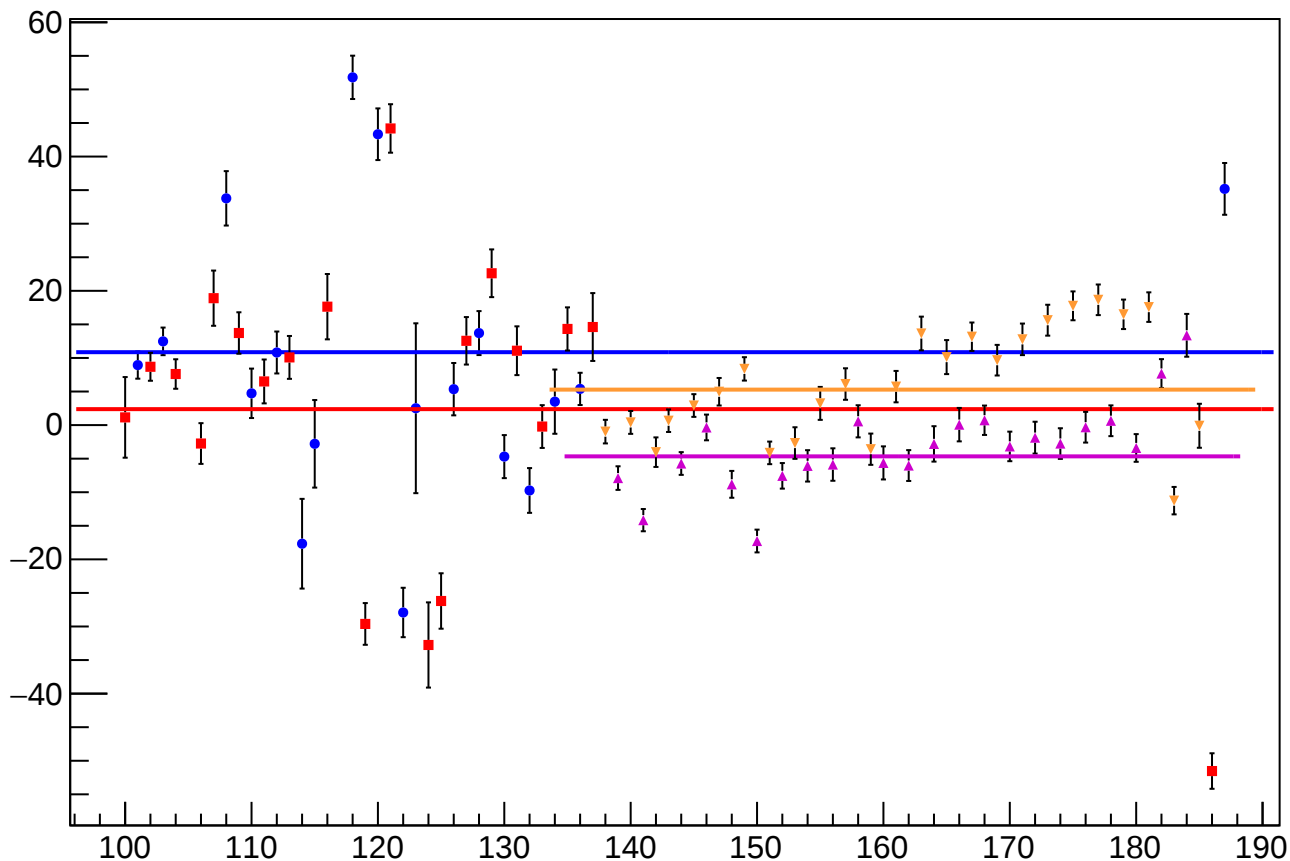
Right: 6065.758 $\pm$ 1.141 χ^2/NDF : 377603.1/37

In: 6299.449 $\pm$ 0.913 χ^2/NDF : 474805.7/40

Out: 6235.287 $\pm$ 0.872 χ^2/NDF : 415240.7/44

All: 6265.920 $\pm$ 0.631 χ^2/NDF : 892628.4/85

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 10.860 $\pm$ 0.781 χ^2/NDF : 514.1/17

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

Right Out: 2.377 $\pm$ 0.736 χ^2/NDF : 865.1/19

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

Left: 0.574 $\pm$ 0.305 χ^2/NDF : 827.2/47

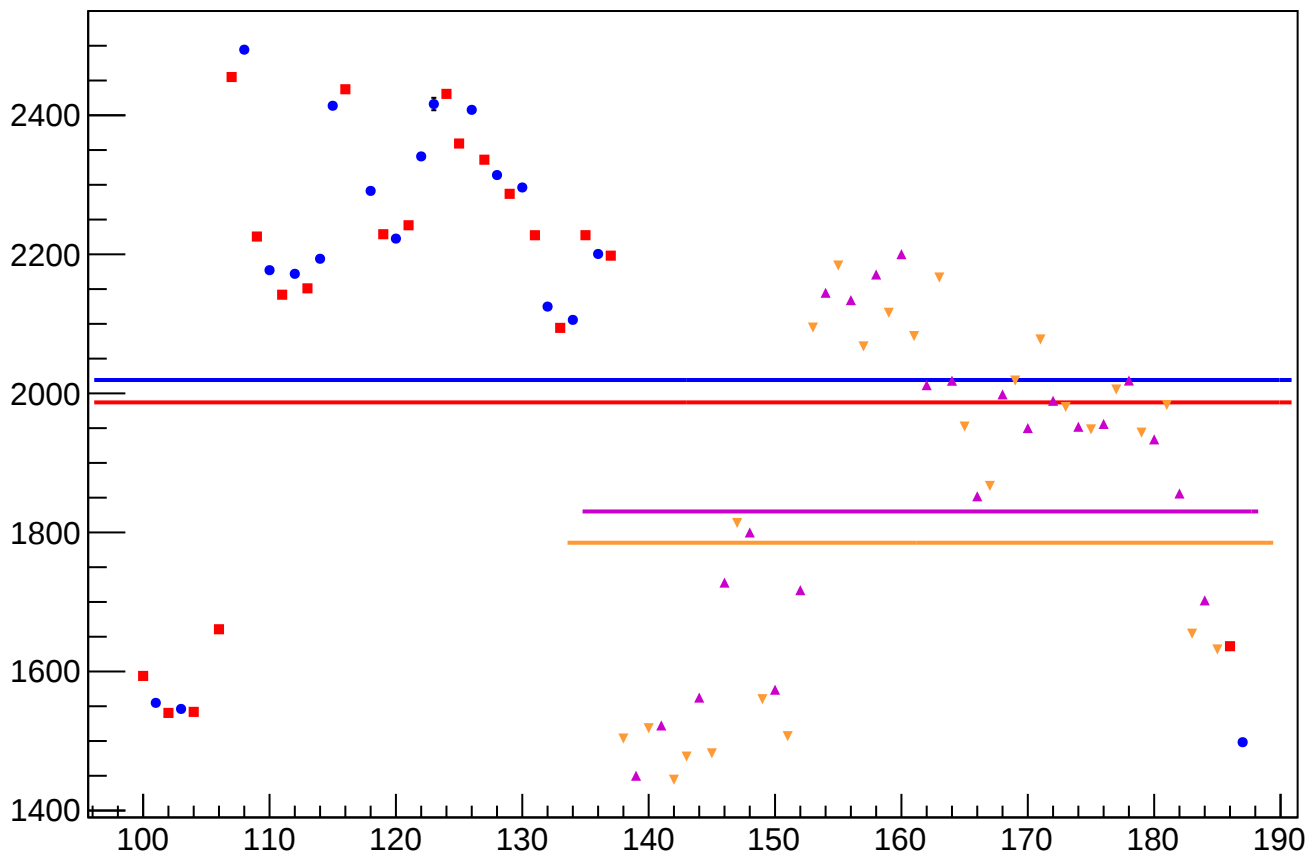
Right: 6.363 $\pm$ 0.536 χ^2/NDF : 1441.7/37

In: -0.879 $\pm$ 0.386 χ^2/NDF :1009.0/40

Out: 4.568 $\pm$ 0.365 χ^2/NDF :1242.9/44

All: 1.992 $\pm$ 0.265 χ^2/NDF : 2357.1/85

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 2019.241 $\pm$ 0.553 χ^2/NDF : 394276.4/17

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

Right Out: 1987.040 $\pm$ 0.520 χ^2/NDF : 413226.9/19

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

Left: 1806.491 $\pm$ 0.216 χ^2/NDF : 1269853.4/47

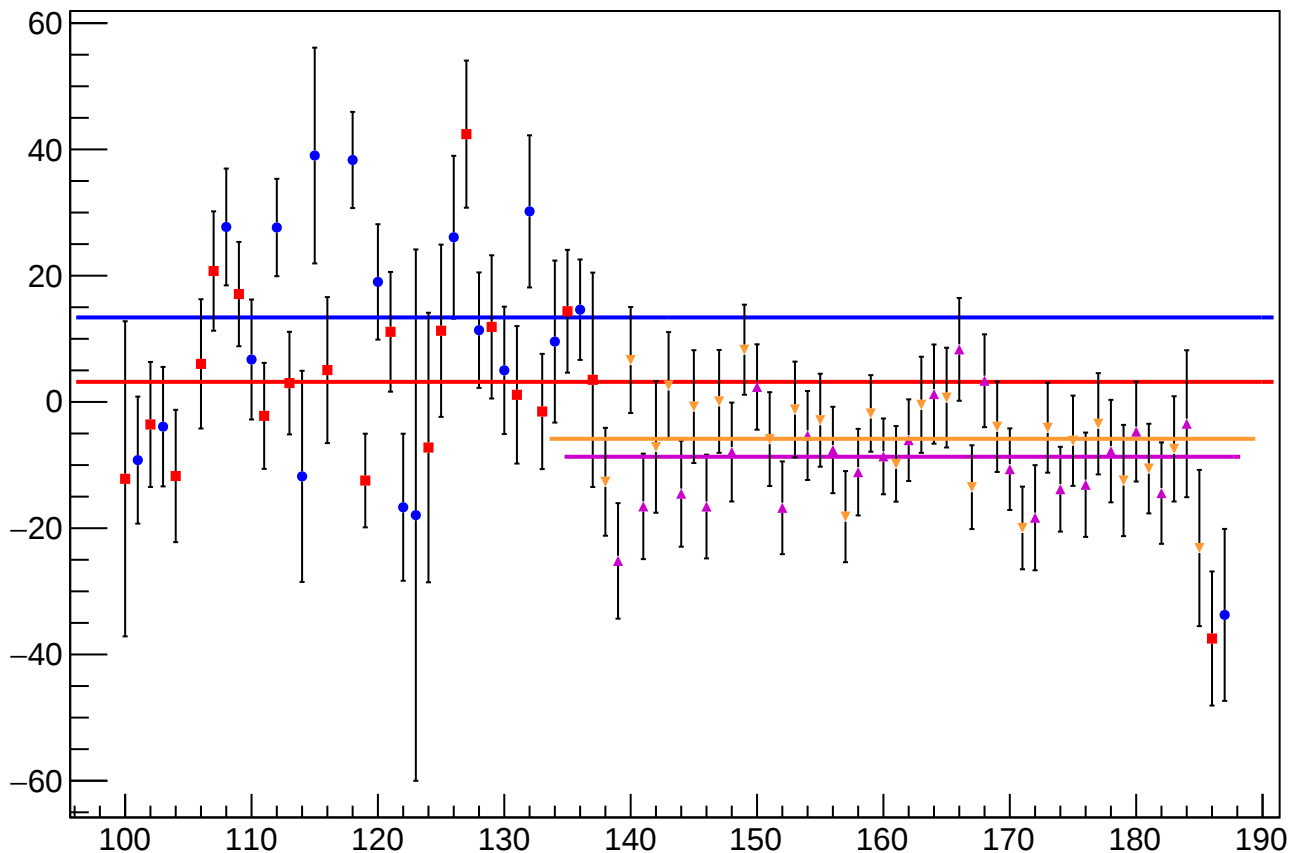
Right: 2002.169 $\pm$ 0.379 χ^2/NDF : 809303.9/37

In: 1876.201 $\pm$ 0.273 χ^2/NDF : 991253.5/40

Out: 1834.927 $\pm$ 0.258 χ^2/NDF : 1277340.9/44

All: 1854.443 $\pm$ 0.187 χ^2/NDF : 2280674.3/85

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 13.387 ± 2.449 $\chi^2/\text{NDF}: 53.3/17$

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

Right Out: 3.181 ± 2.304 $\chi^2/\text{NDF}: 43.6/19$

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

Left: -7.214 ± 1.092 $\chi^2/\text{NDF}: 47.0/47$

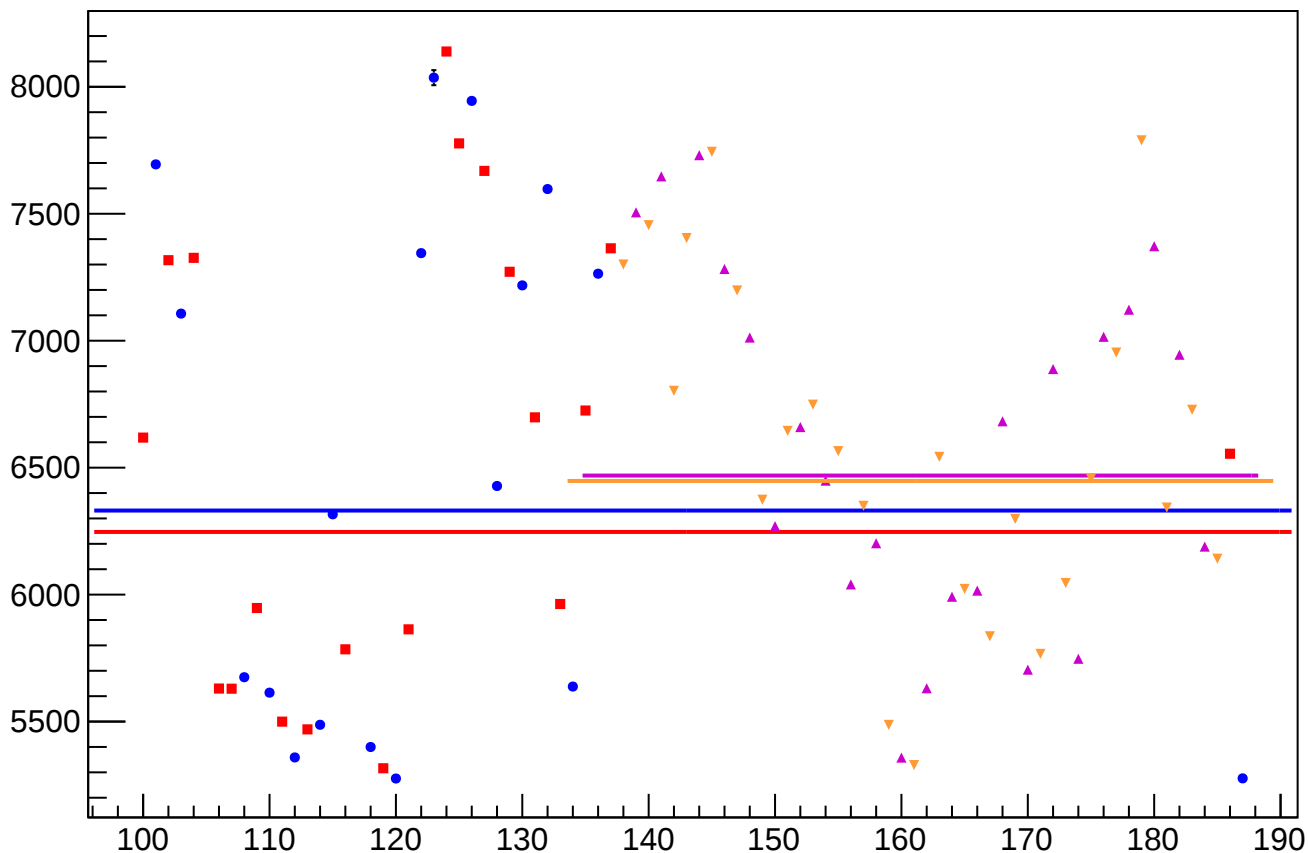
Right: 7.972 ± 1.678 $\chi^2/\text{NDF}: 106.1/37$

In: -2.252 ± 1.322 $\chi^2/\text{NDF}: 132.7/40$

Out: -3.108 ± 1.268 $\chi^2/\text{NDF}: 77.6/44$

All: -2.698 ± 0.915 $\chi^2/\text{NDF}: 210.6/85$

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6331.092 ± 1.732 χ^2/NDF : 297964.3/17

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

Right Out: 6246.858 ± 1.629 χ^2/NDF : 243073.0/19

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

Left: 6457.948 ± 0.772 χ^2/NDF : 755184.7/47

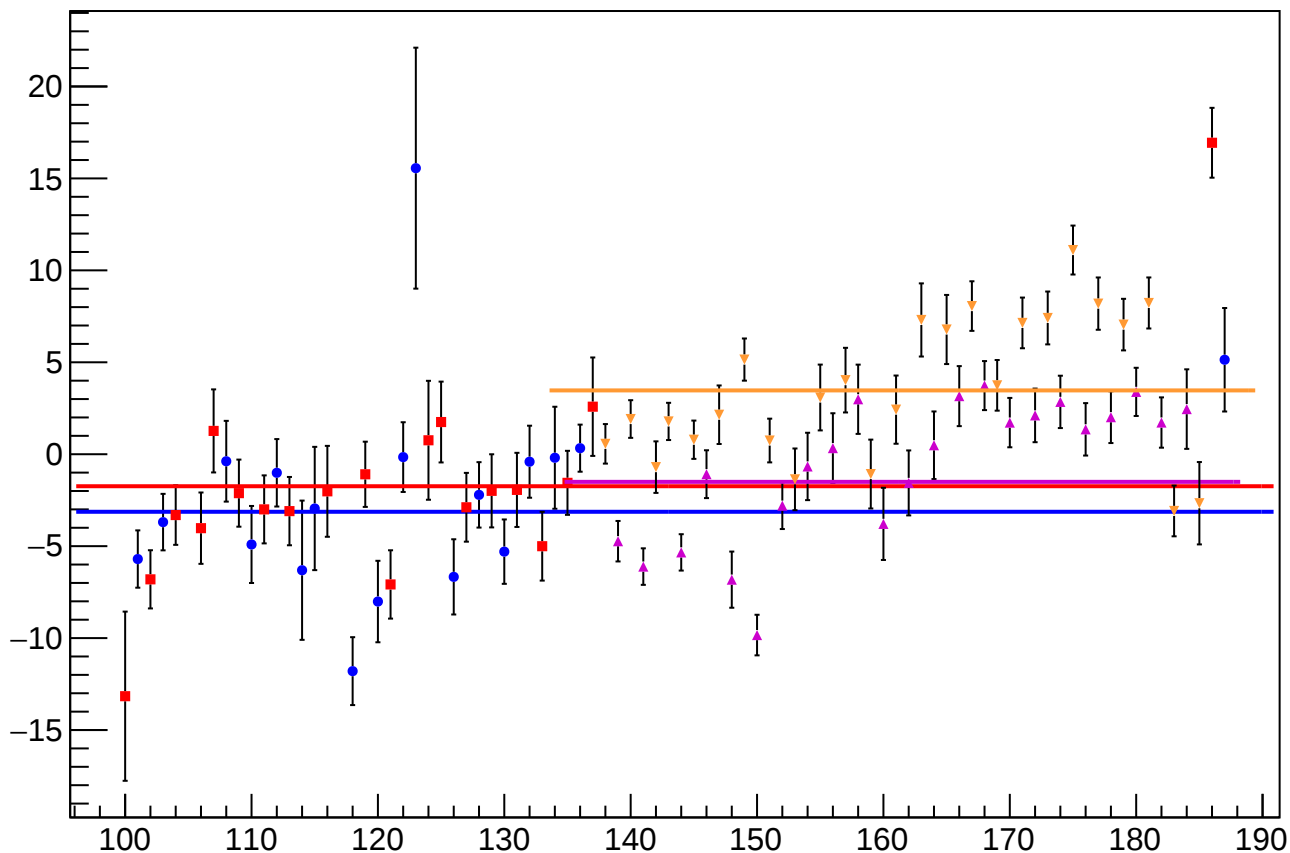
Right: 6286.401 ± 1.187 χ^2/NDF : 542292.6/37

In: 6428.742 ± 0.935 χ^2/NDF : 685776.9/40

Out: 6386.886 ± 0.896 χ^2/NDF : 625343.6/44

All: 6406.936 ± 0.647 χ^2/NDF : 1312165.0/85

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.130 ± 0.470 χ^2/NDF : 68.4/17

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

Right Out: -1.741 ± 0.444 χ^2/NDF : 135.8/19

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

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

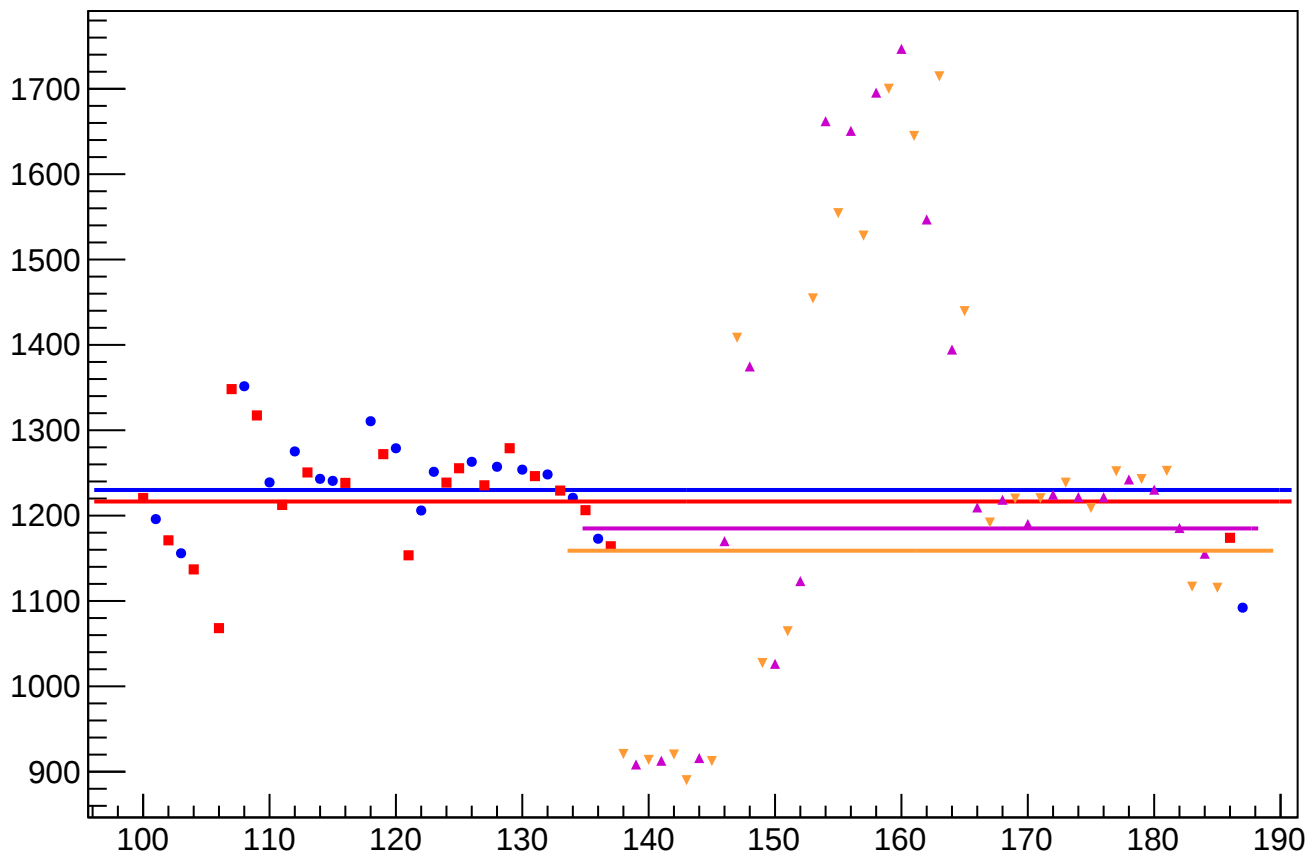
Right: -2.397 ± 0.323 χ^2/NDF : 208.9/37

In: -1.953 ± 0.247 χ^2/NDF : 279.8/40

Out: 2.017 ± 0.235 χ^2/NDF : 410.9/44

All: 0.135 ± 0.170 χ^2/NDF : 826.5/85

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1230.027 $\pm$ 0.332 χ^2/NDF : 28496.6/17

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

Right Out: 1216.522 $\pm$ 0.314 χ^2/NDF : 41433.7/19

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

Left: 1171.274 $\pm$ 0.142 χ^2/NDF : 2609306.9/47

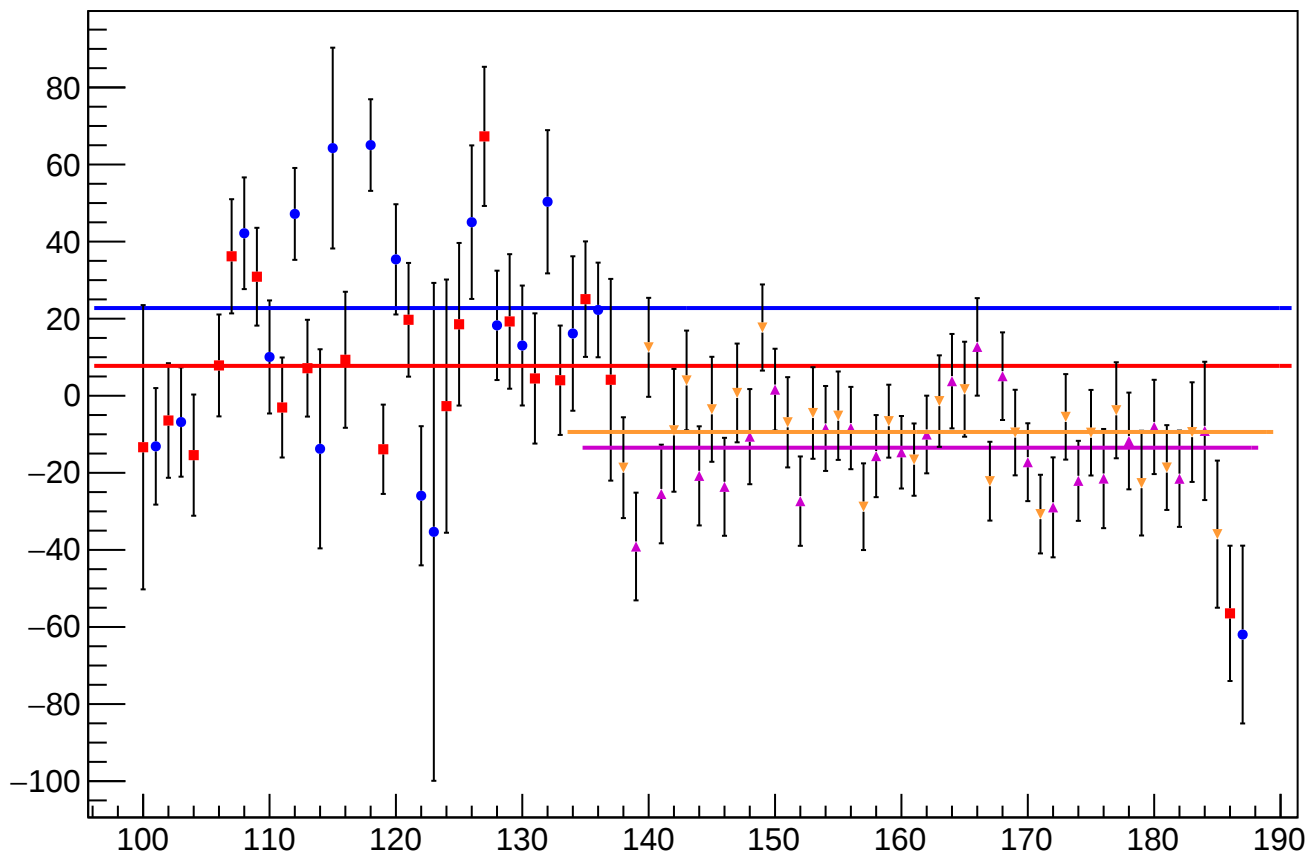
Right: 1222.902 $\pm$ 0.228 χ^2/NDF : 70802.9/37

In: 1197.444 $\pm$ 0.175 χ^2/NDF : 1232240.6/40

Out: 1174.964 $\pm$ 0.166 χ^2/NDF : 1476105.4/44

All: 1185.623 $\pm$ 0.120 χ^2/NDF : 2717047.2/85

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 22.756 ± 3.792 $\chi^2/\text{NDF}: 60.3/17$

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

Right Out: 7.751 ± 3.525 $\chi^2/\text{NDF}: 41.8/19$

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

Left: -11.369 ± 1.697 $\chi^2/\text{NDF}: 49.3/47$

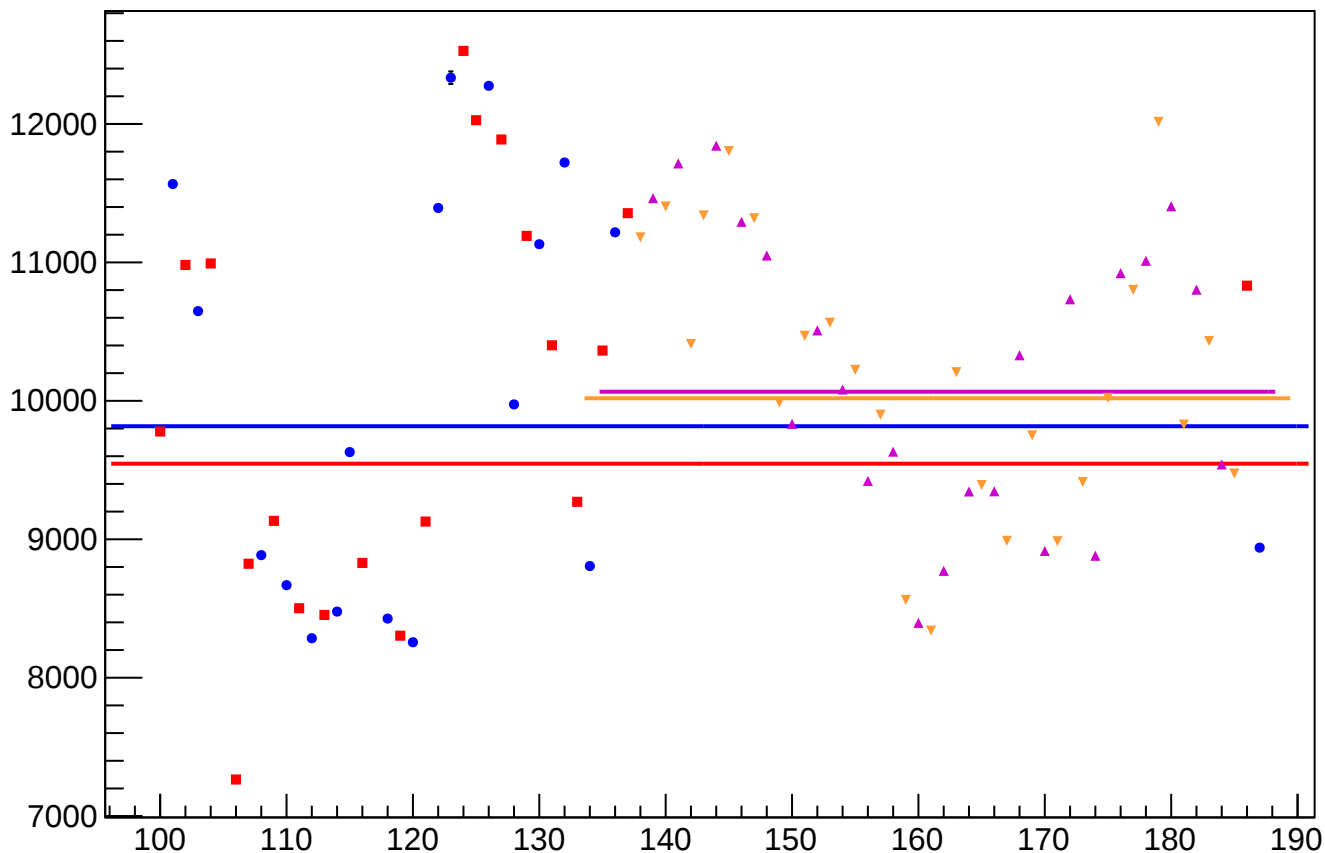
Right: 14.707 ± 2.582 $\chi^2/\text{NDF}: 110.5/37$

In: -2.855 ± 2.054 $\chi^2/\text{NDF}: 146.4/40$

Out: -4.095 ± 1.960 $\chi^2/\text{NDF}: 84.4/44$

All: -3.504 ± 1.418 $\chi^2/\text{NDF}: 231.1/85$

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9816.612 $\pm$ 2.681 χ^2/NDF : 262078.0/17

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

Right Out: 9546.034 $\pm$ 2.493 χ^2/NDF : 285765.5/19

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

Left: 10041.404 $\pm$ 1.200 χ^2/NDF : 702792.3/47

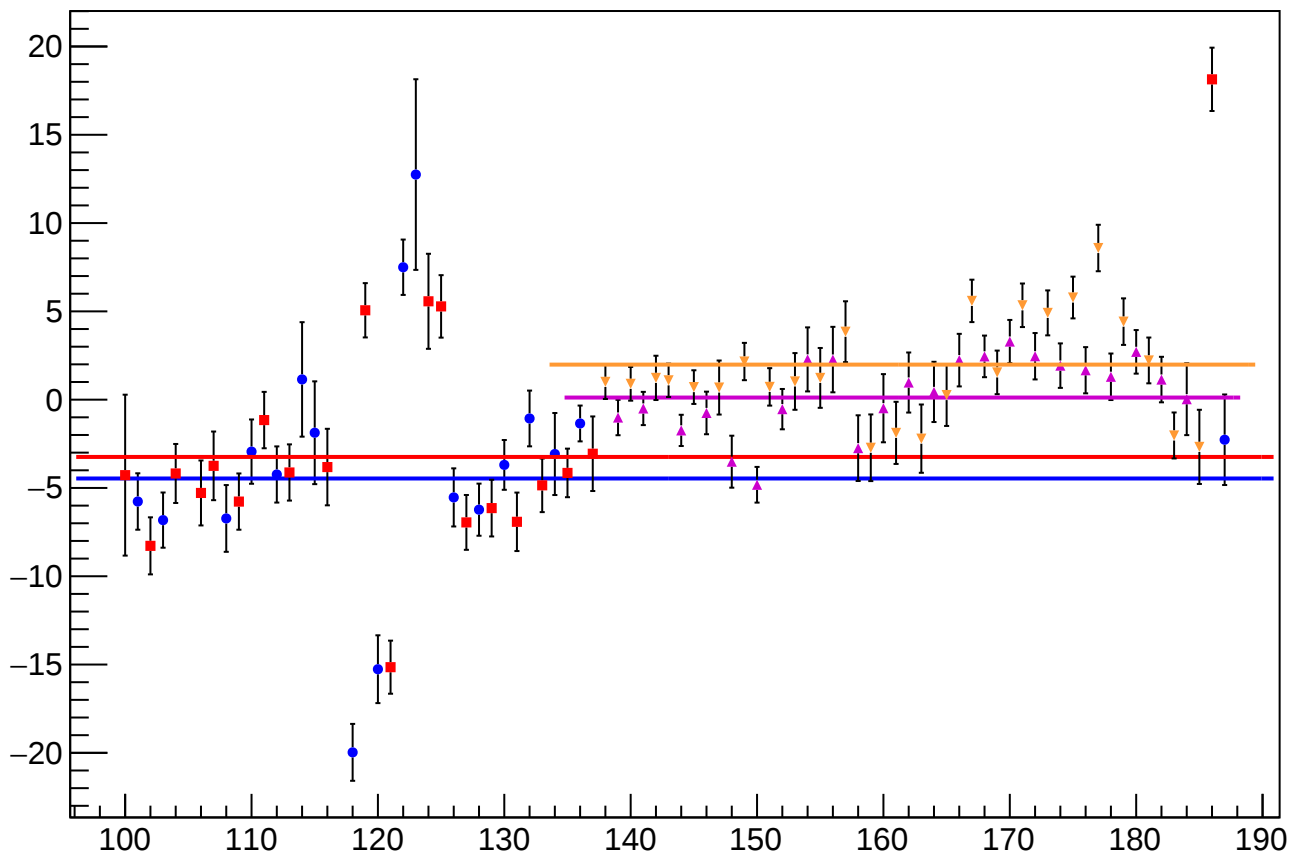
Right: 9671.470 $\pm$ 1.826 χ^2/NDF : 553306.6/37

In: 9992.788 $\pm$ 1.452 χ^2/NDF : 626056.4/40

Out: 9872.443 $\pm$ 1.386 χ^2/NDF : 655125.9/44

All: 9929.818 $\pm$ 1.003 χ^2/NDF : 1284776.4/85

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.464 ± 0.404 $\chi^2/\text{NDF}: 218.9/17$

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

Right Out: -3.244 ± 0.385 $\chi^2/\text{NDF}: 299.6/19$

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

Left: 1.102 ± 0.185 $\chi^2/\text{NDF}: 194.2/47$

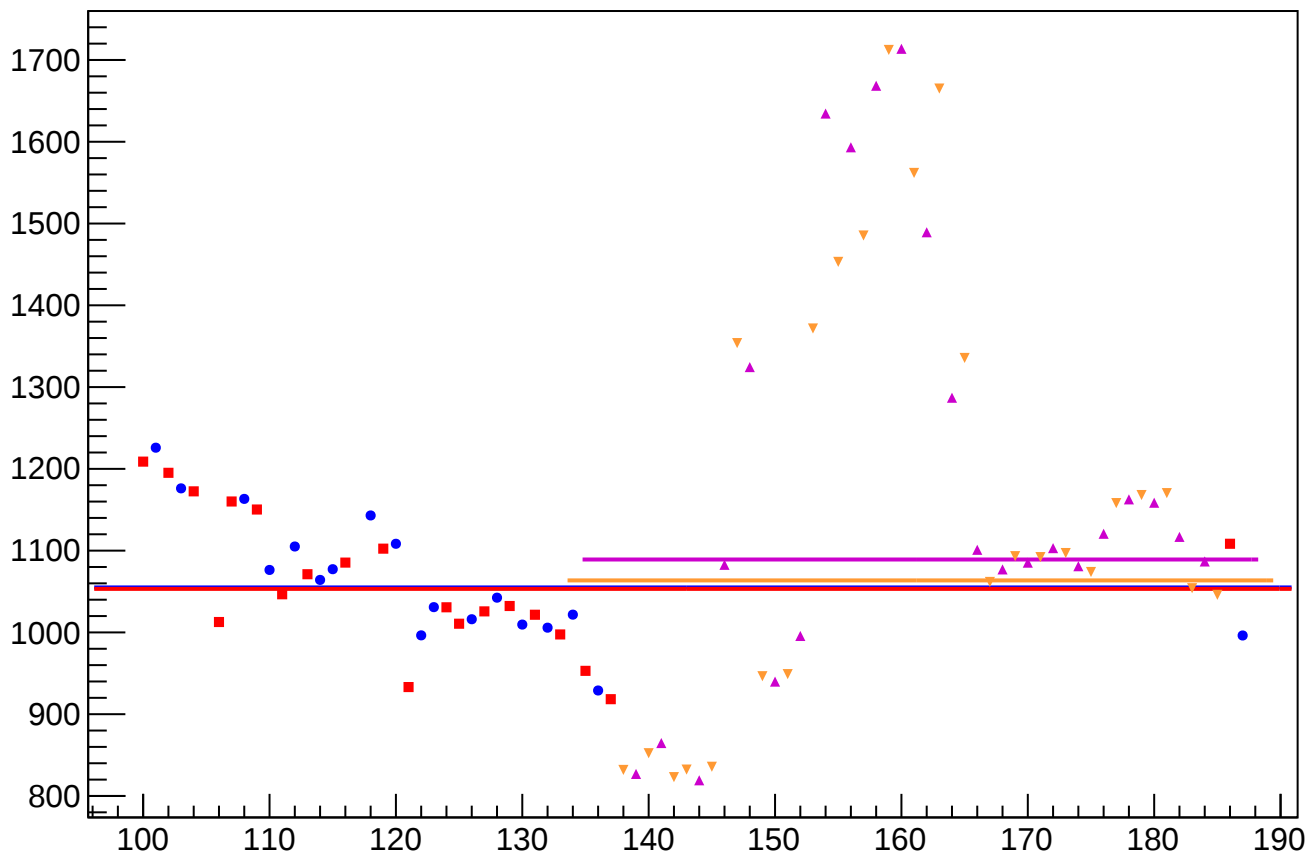
Right: -3.825 ± 0.279 $\chi^2/\text{NDF}: 523.3/37$

In: -1.287 ± 0.224 $\chi^2/\text{NDF}: 375.8/40$

Out: 0.394 ± 0.213 $\chi^2/\text{NDF}: 528.8/44$

All: -0.403 ± 0.154 $\chi^2/\text{NDF}: 934.3/85$

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1054.999 $\pm$ 0.286 χ^2 /NDF: 91836.9/17

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

Right Out: 1053.250 $\pm$ 0.273 χ^2 /NDF: 84313.3/19

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

Left: 1075.700 $\pm$ 0.131 χ^2 /NDF: 3057378.7/47

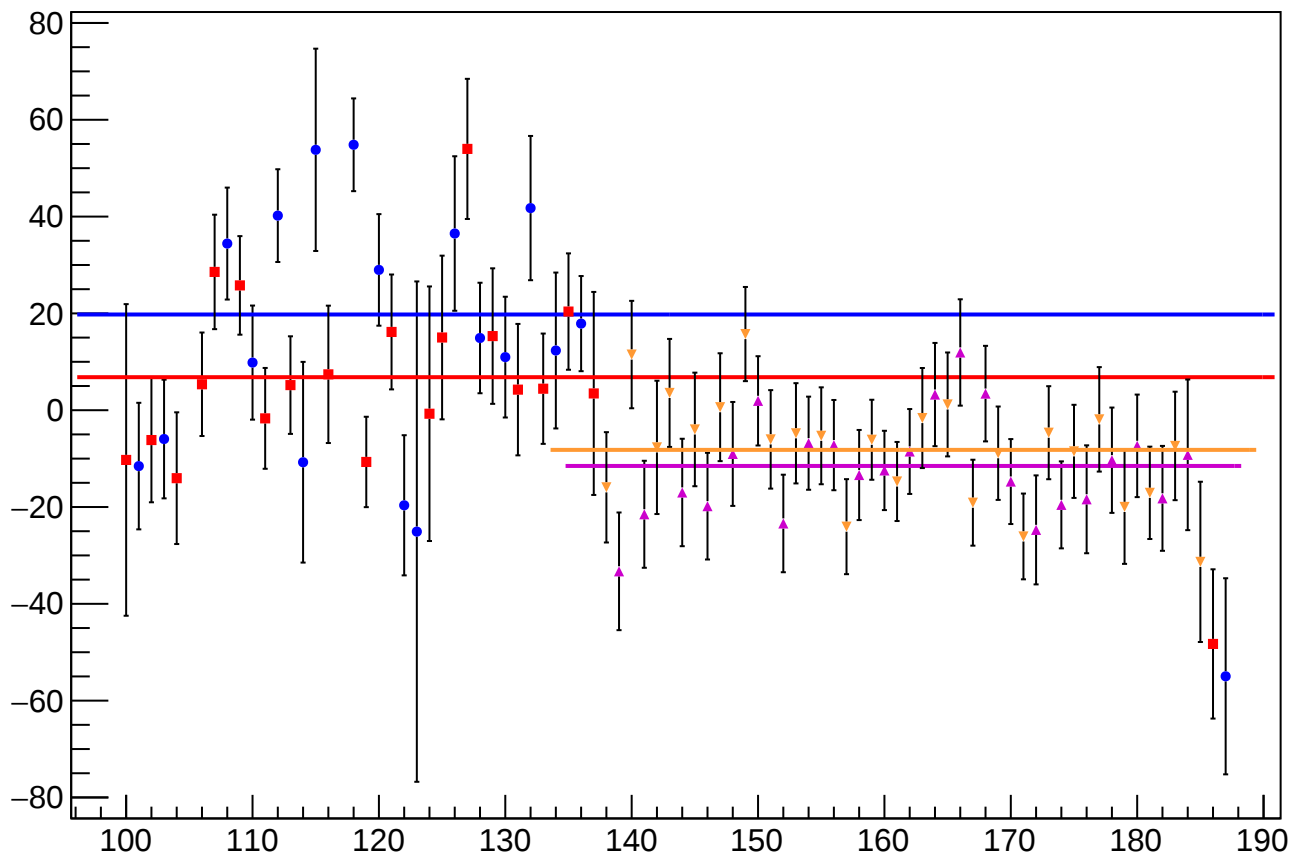
Right: 1054.084 $\pm$ 0.197 χ^2 /NDF: 176169.8/37

In: 1078.672 $\pm$ 0.158 χ^2 /NDF:1532232.9/40

Out: 1060.452 $\pm$ 0.150 χ^2 /NDF:1702693.3/44

All: 1069.097 $\pm$ 0.109 χ^2 /NDF: 3241899.3/85

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 19.773+/-3.080 χ^2/NDF : 61.8/17

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

Right Out: 6.823+/-2.864 χ^2/NDF : 40.8/19

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

Left: -9.796+/-1.474 χ^2/NDF : 48.5/47

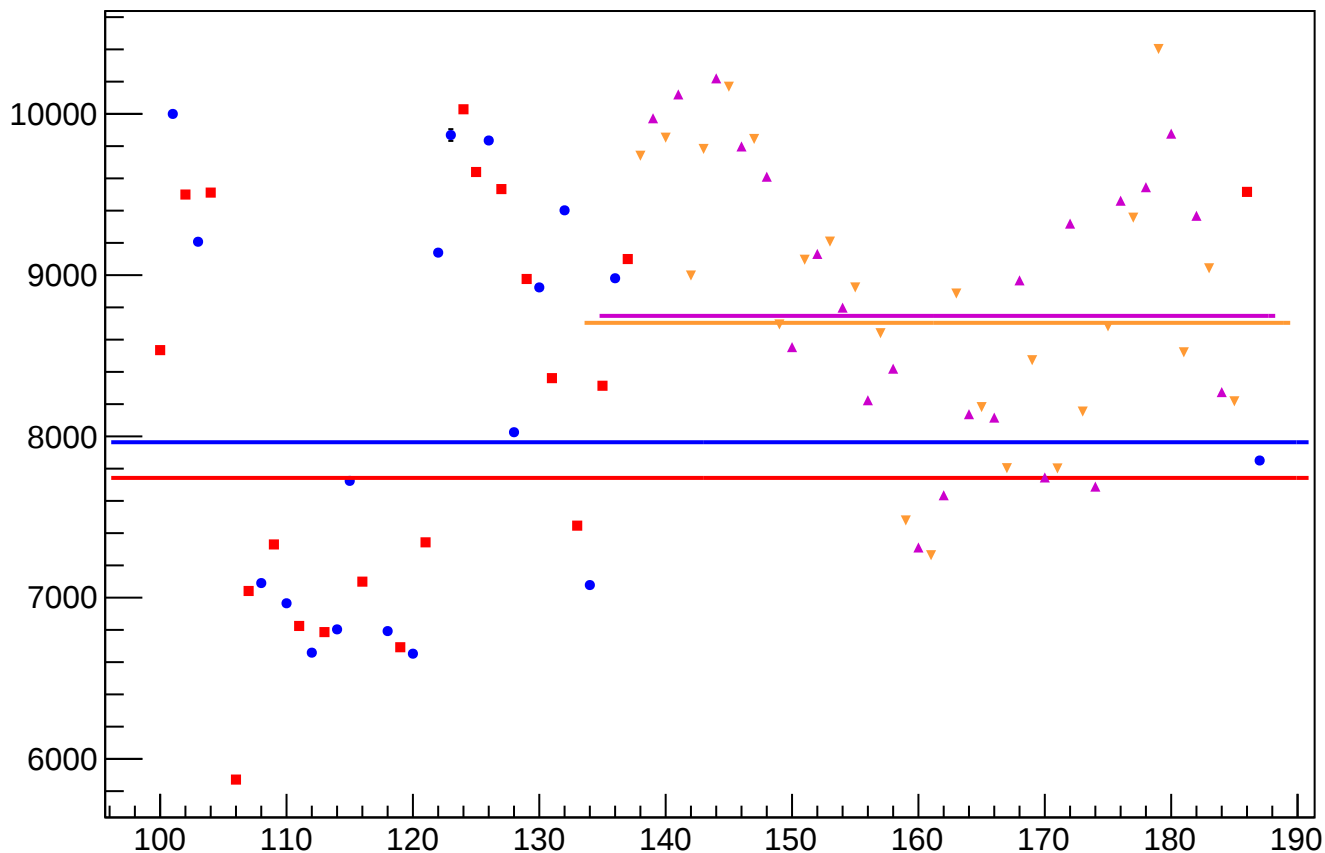
Right: 12.829+/-2.097 χ^2/NDF : 112.1/37

In: -1.440+/-1.748 χ^2/NDF : 152.9/40

Out: -3.112+/-1.666 χ^2/NDF : 85.1/44

All: -2.316+/-1.206 χ^2/NDF : 238.5/85

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7963.771 $\pm$ 2.178 χ^2/NDF : 295724.2/17

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

Right Out: 7742.517 $\pm$ 2.025 χ^2/NDF : 340463.1/19

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

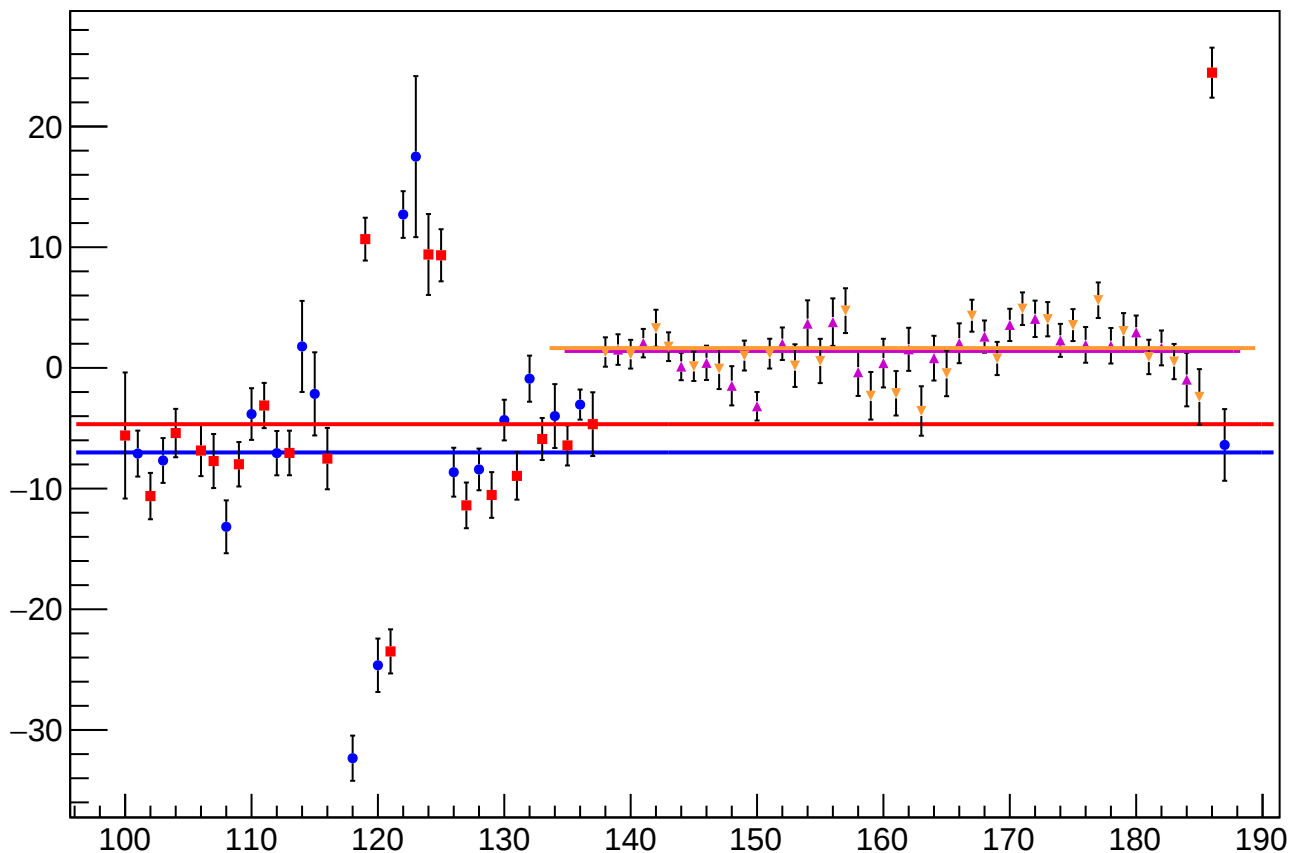
Right: 7845.133 $\pm$ 1.483 χ^2/NDF : 641722.6/37

In: 8495.080 $\pm$ 1.236 χ^2/NDF :730634.3/40

Out: 8378.708 $\pm$ 1.178 χ^2/NDF :821987.9/44

All: 8434.125 $\pm$ 0.853 χ^2/NDF : 1557267.5/85

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.006 ± 0.481 χ^2/NDF : 407.3/17

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

Right Out: -4.664 ± 0.456 χ^2/NDF : 486.0/19

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

Left: 1.528 ± 0.213 χ^2/NDF : 85.8/47

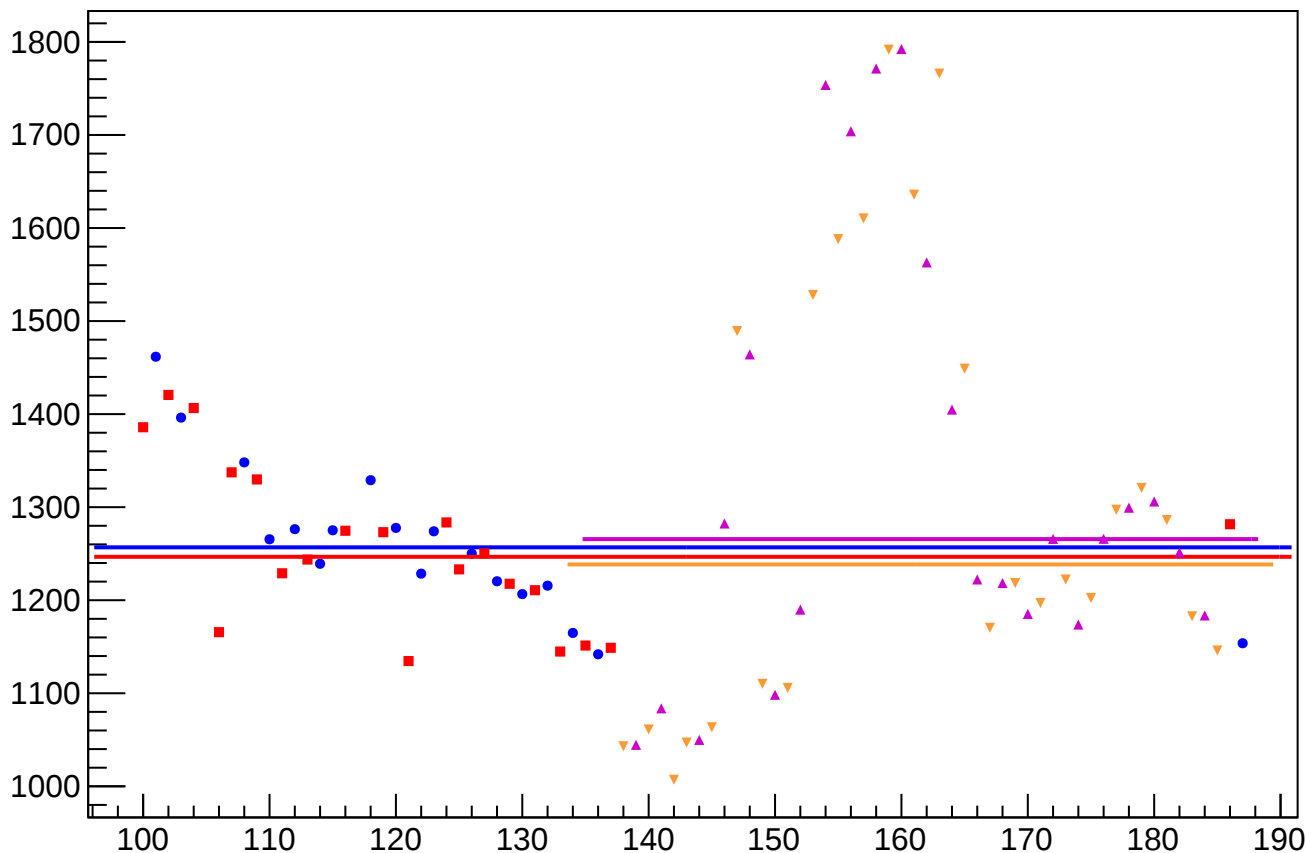
Right: -5.773 ± 0.331 χ^2/NDF : 905.8/37

In: -1.055 ± 0.260 χ^2/NDF : 658.1/40

Out: -0.208 ± 0.247 χ^2/NDF : 672.4/44

All: -0.610 ± 0.179 χ^2/NDF : 1336.1/85

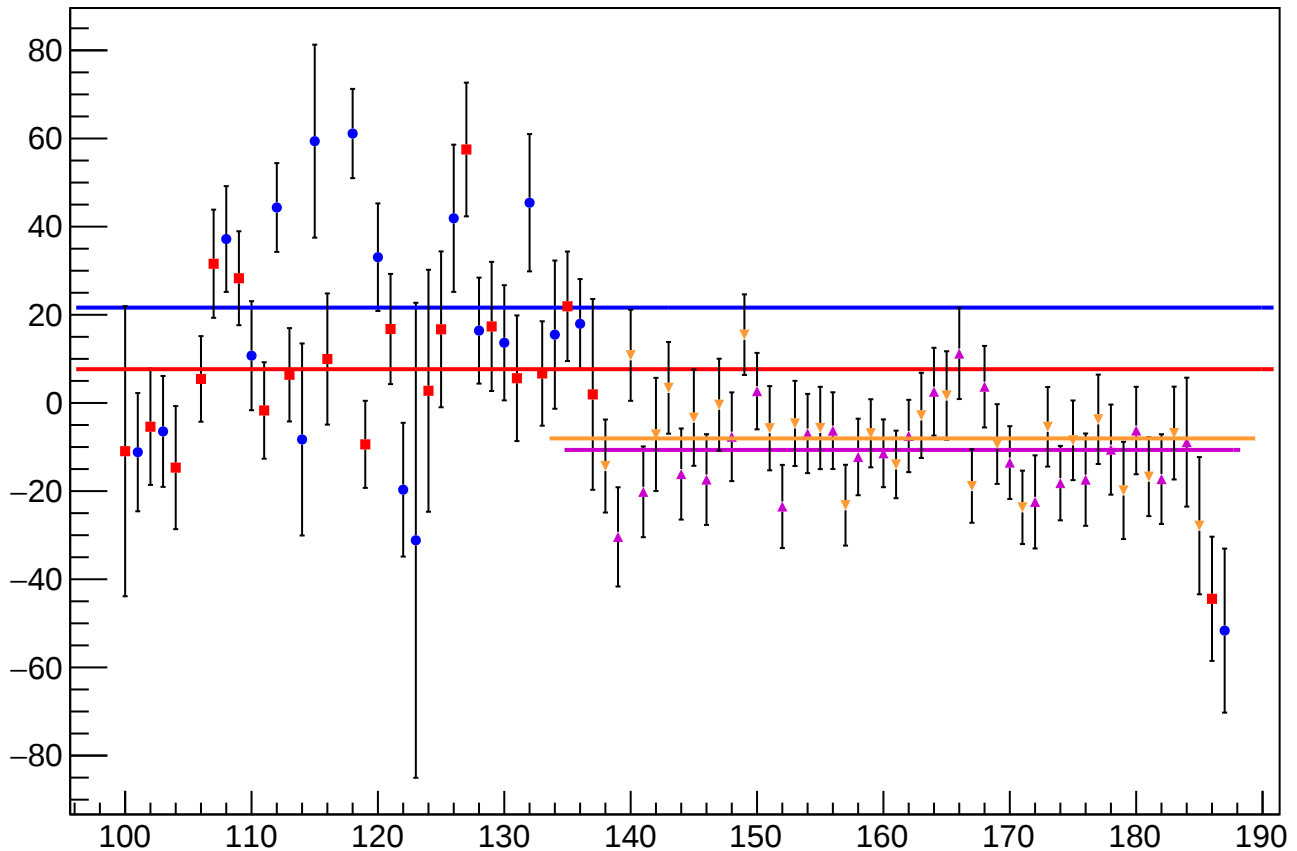
diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1256.828 $\pm$ 0.340 χ^2/NDF : 67291.9/17
 Left Out: 1238.437 $\pm$ 0.208 χ^2/NDF : 965173.0/24
 Right Out: 1246.656 $\pm$ 0.322 χ^2/NDF : 67419.6/19
 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: 1251.475 $\pm$ 0.234 χ^2/NDF : 135182.9/37
 In: 1263.087 $\pm$ 0.184 χ^2/NDF : 912928.1/40
 Out: 1240.846 $\pm$ 0.175 χ^2/NDF : 1033052.0/44
 All: 1251.394 $\pm$ 0.127 χ^2/NDF : 1953679.7/85

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 21.632 ± 3.208 $\chi^2/\text{NDF}: 68.0/17$

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

Right Out: 7.661 ± 2.942 $\chi^2/\text{NDF}: 42.4/19$

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

Left: -9.301 ± 1.380 $\chi^2/\text{NDF}: 48.6/47$

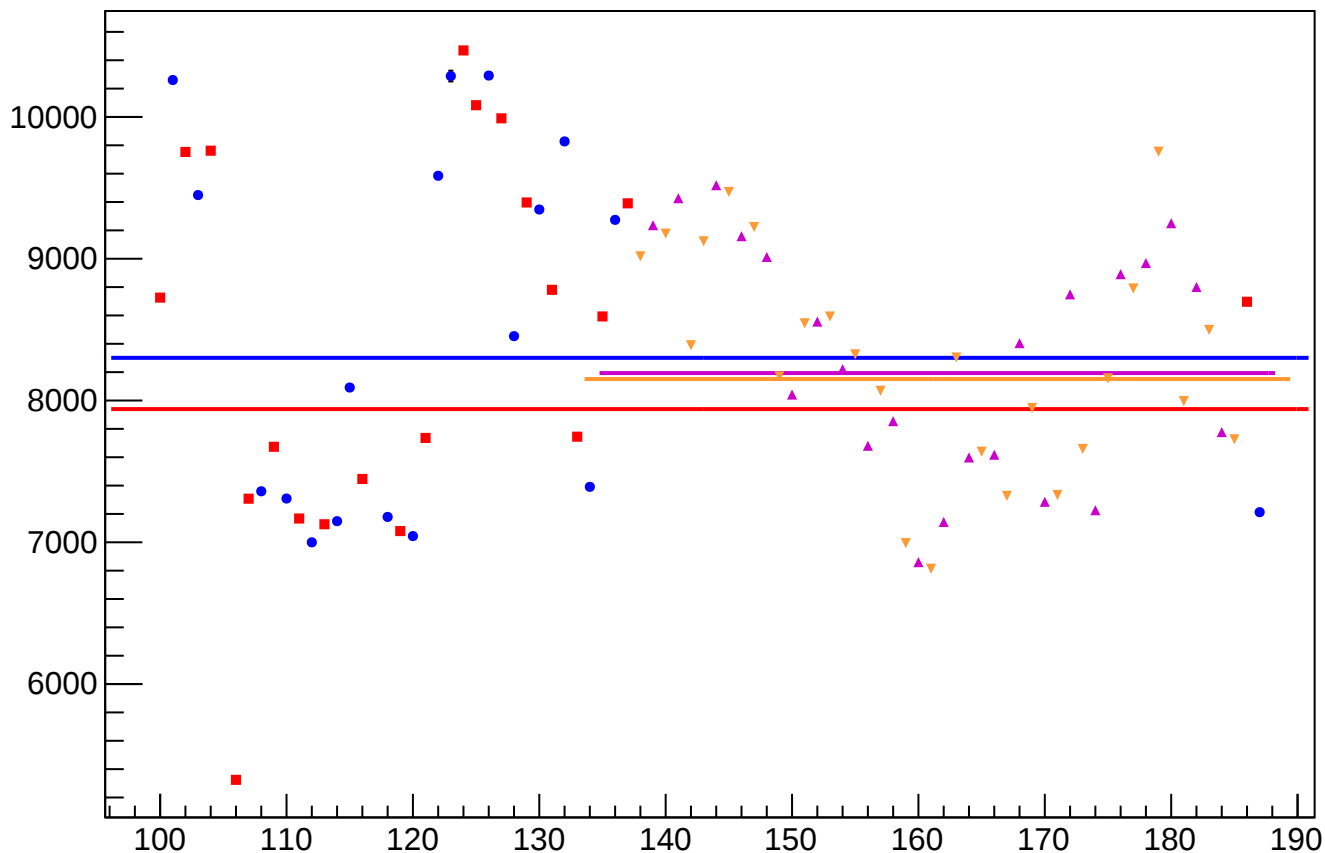
Right: 14.045 ± 2.168 $\chi^2/\text{NDF}: 120.6/37$

In: -1.696 ± 1.690 $\chi^2/\text{NDF}: 162.6/40$

Out: -3.359 ± 1.607 $\chi^2/\text{NDF}: 88.6/44$

All: -2.569 ± 1.164 $\chi^2/\text{NDF}: 251.7/85$

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 8301.096 $\pm$ 2.268 χ^2/NDF : 278421.4/17

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

Right Out: 7939.506 $\pm$ 2.081 χ^2/NDF : 394635.0/19

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

Left: 8171.814 $\pm$ 0.976 χ^2/NDF : 660646.6/47

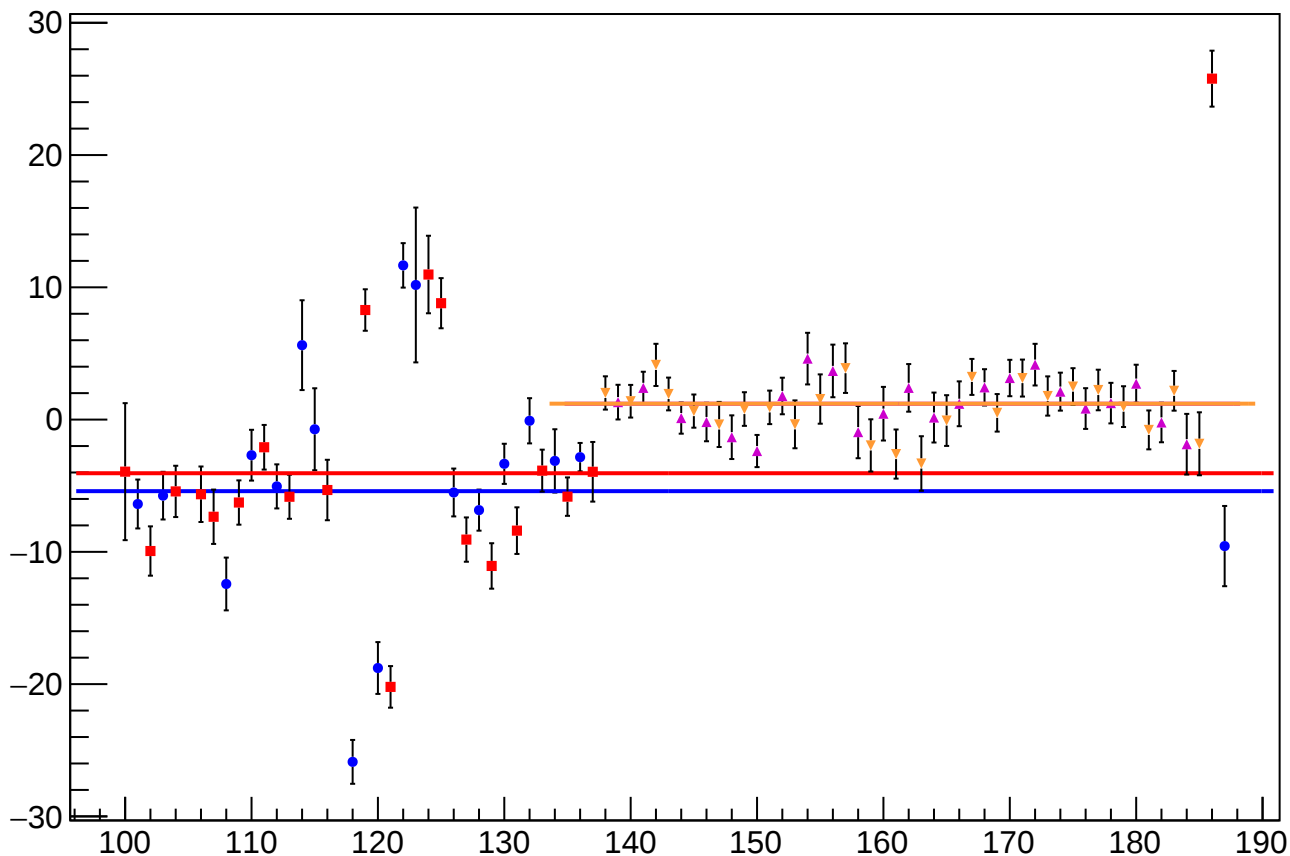
Right: 8104.735 $\pm$ 1.533 χ^2/NDF : 686858.8/37

In: 8223.450 $\pm$ 1.195 χ^2/NDF : 618421.0/40

Out: 8088.266 $\pm$ 1.136 χ^2/NDF : 723723.4/44

All: 8152.471 $\pm$ 0.823 χ^2/NDF : 1348867.6/85

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.411 $\pm$ 0.433 χ^2/NDF : 357.8/17

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

Right Out: -4.056 $\pm$ 0.414 χ^2/NDF : 489.9/19

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

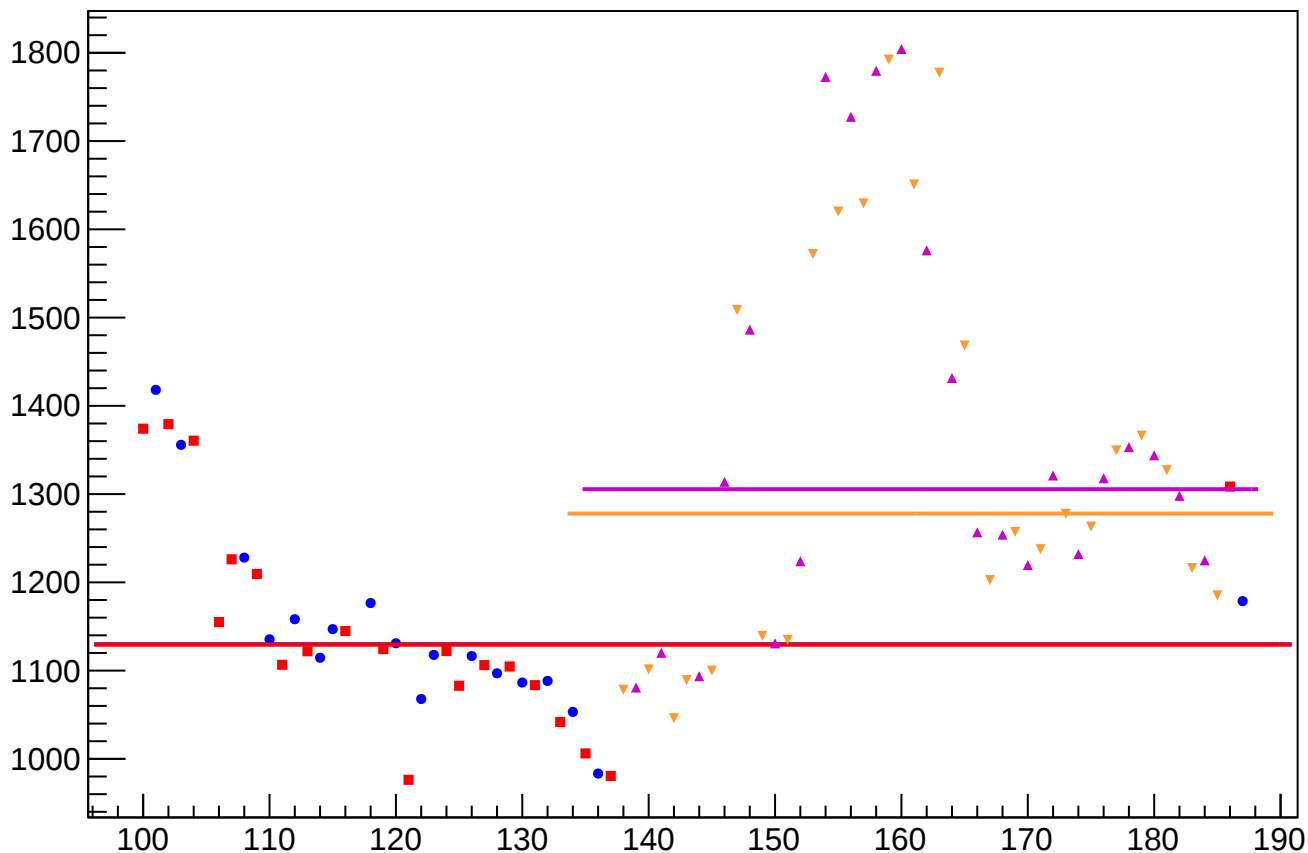
Right: -4.703 $\pm$ 0.299 χ^2/NDF : 852.8/37

In: -1.118 $\pm$ 0.256 χ^2/NDF :540.1/40

Out: -0.625 $\pm$ 0.244 χ^2/NDF :625.0/44

All: -0.860 $\pm$ 0.177 χ^2/NDF : 1167.0/85

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1129.816 $\pm$ 0.306 χ^2 /NDF: 133608.5/17

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

Right Out: 1129.445 $\pm$ 0.293 χ^2 /NDF: 144513.4/19

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

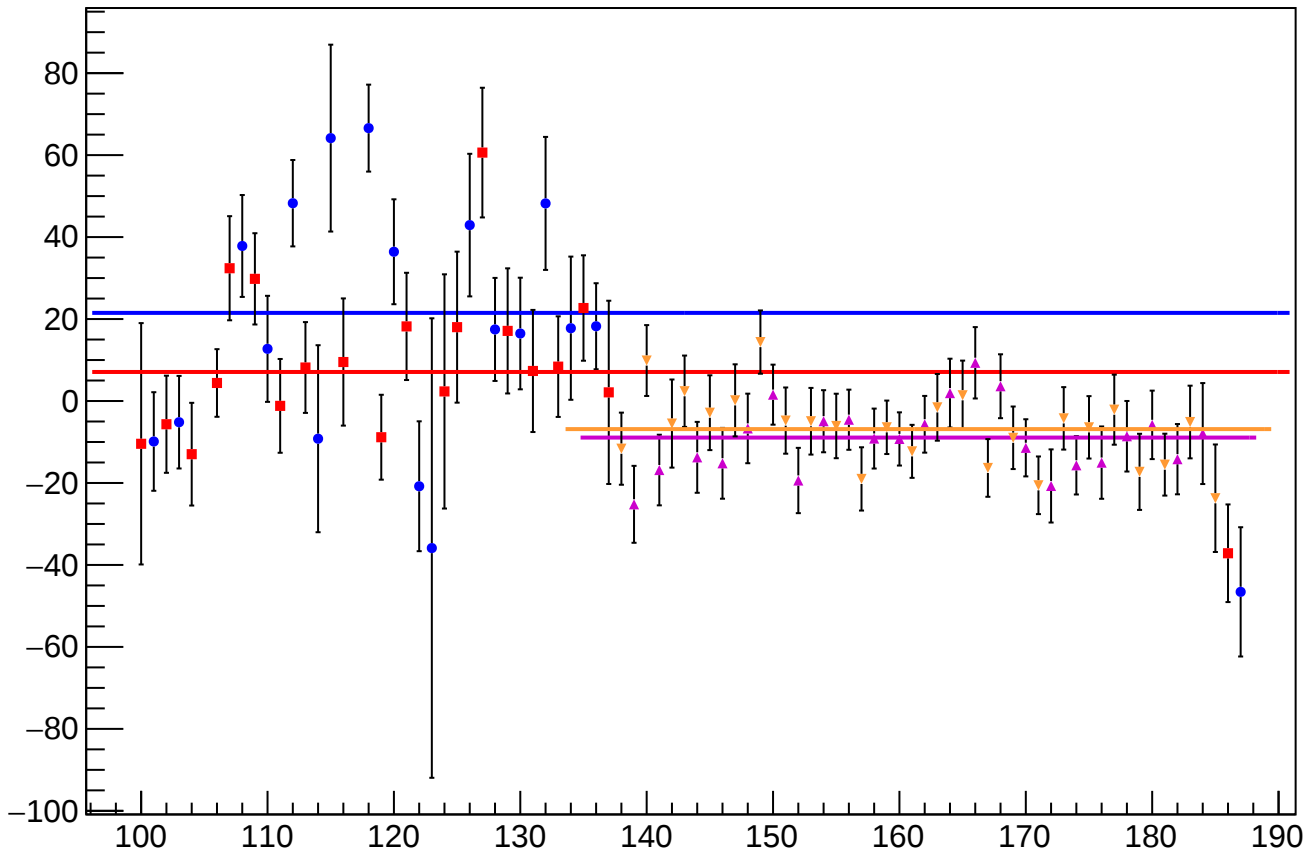
Right: 1129.622 $\pm$ 0.212 χ^2 /NDF: 278122.7/37

In: 1243.962 $\pm$ 0.181 χ^2 /NDF: 1107876.6/40

Out: 1226.285 $\pm$ 0.173 χ^2 /NDF: 1190251.3/44

All: 1234.695 $\pm$ 0.125 χ^2 /NDF: 2303110.8/85

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 21.504 $\pm$ 3.252 χ^2/NDF : 77.2/17

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

Right Out: 7.086 $\pm$ 2.919 χ^2/NDF : 43.5/19

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

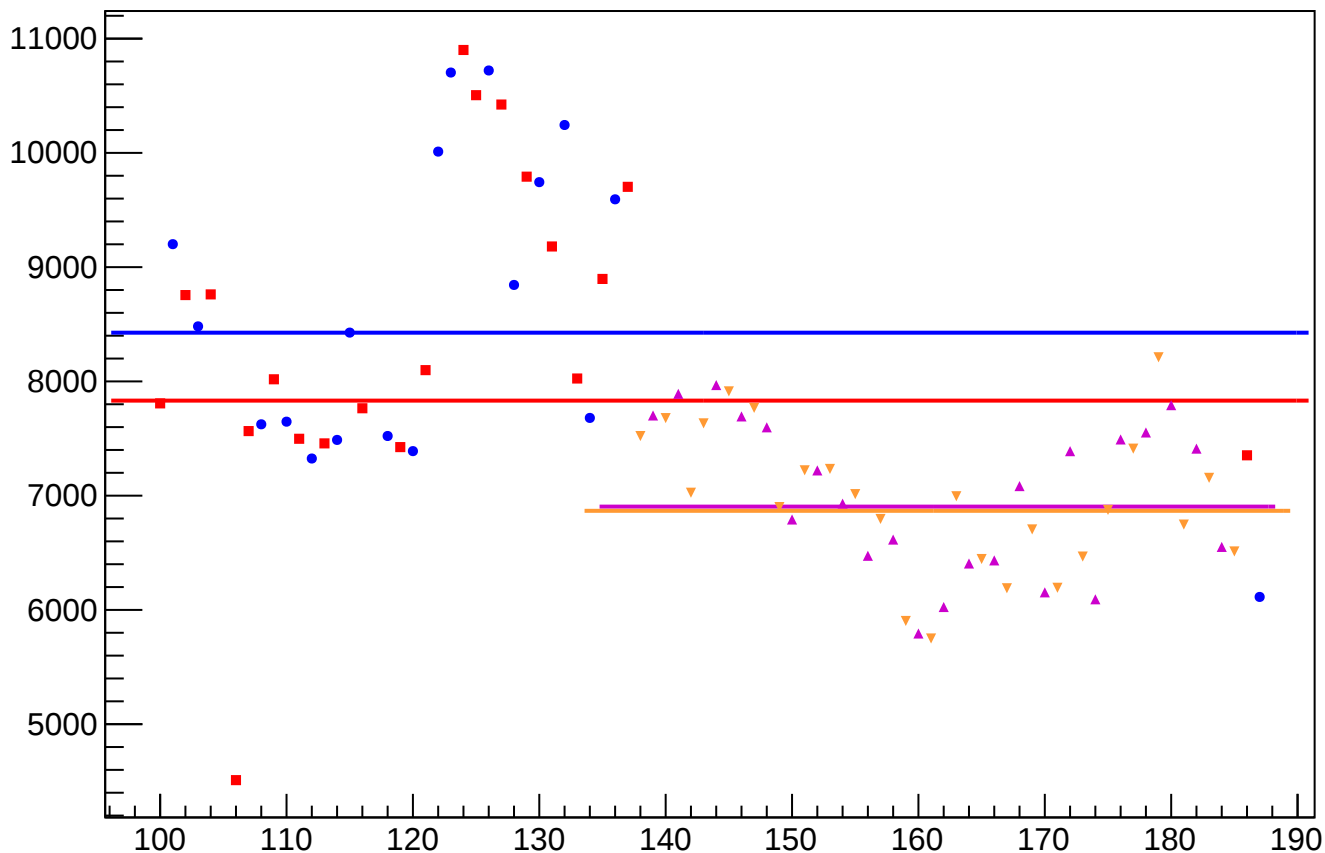
Right: 13.517 $\pm$ 2.172 χ^2/NDF : 131.6/37

In: -2.549 $\pm$ 1.489 χ^2/NDF : 168.2/40

Out: -3.585 $\pm$ 1.413 χ^2/NDF : 89.7/44

All: -3.094 $\pm$ 1.025 χ^2/NDF : 258.1/85

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8426.418 ± 2.300 $\chi^2/\text{NDF}: 252313.6/17$

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

Right Out: 7831.873 ± 2.064 $\chi^2/\text{NDF}: 556261.0/19$

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

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

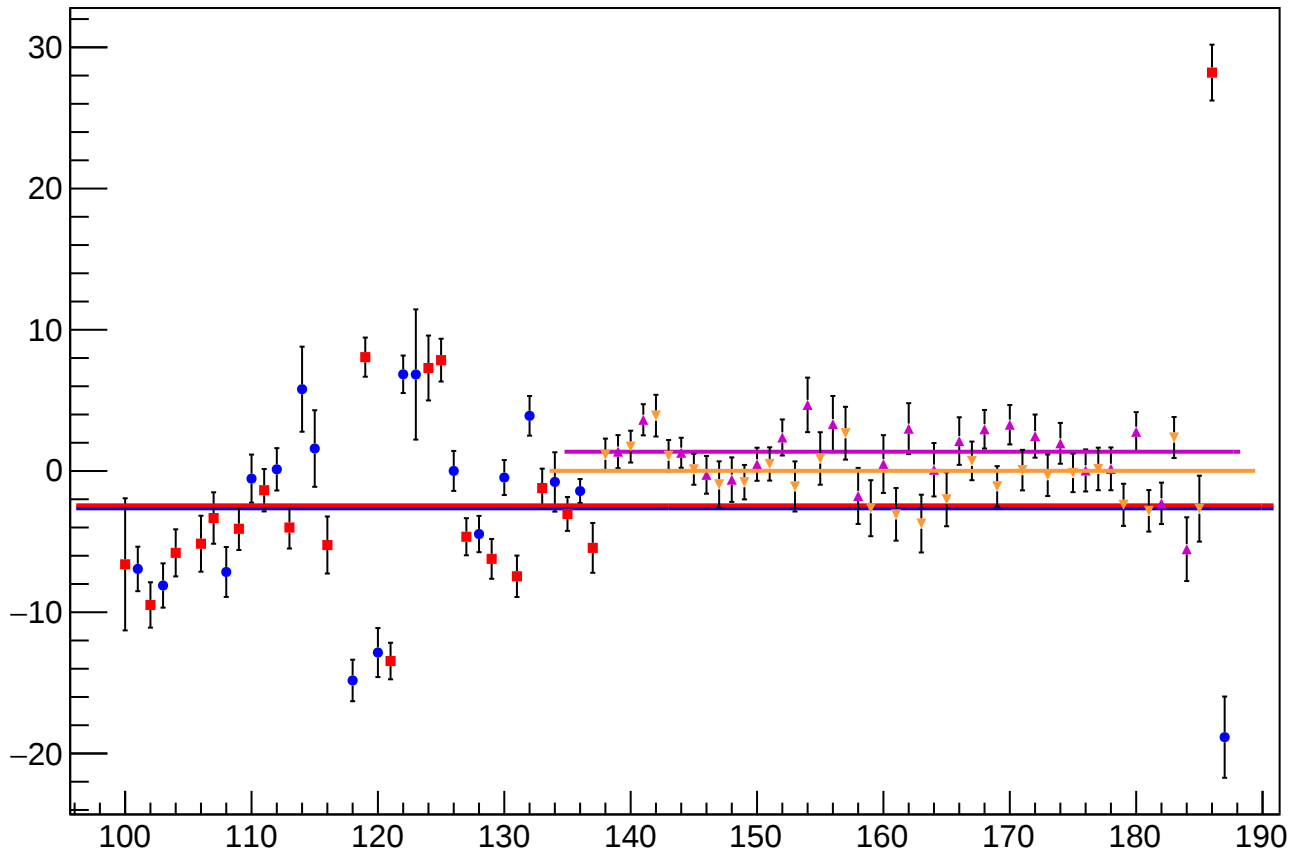
Right: 8097.083 ± 1.536 $\chi^2/\text{NDF}: 845593.3/37$

In: 7223.018 ± 1.053 $\chi^2/\text{NDF}: 924572.1/40$

Out: 7093.568 ± 0.999 $\chi^2/\text{NDF}: 1030337.1/44$

All: 7154.941 ± 0.725 $\chi^2/\text{NDF}: 1962862.4/85$

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.642 $\pm$ 0.363 χ^2/NDF : 264.8/17

Left Out: 0.014 $\pm$ 0.290 χ^2/NDF :35.0/24

Right Out: -2.430 $\pm$ 0.353 χ^2/NDF : 490.6/19

Left In: 1.365 $\pm$ 0.306 χ^2/NDF :38.5/22

Left: 0.654 $\pm$ 0.210 χ^2/NDF : 83.8/47

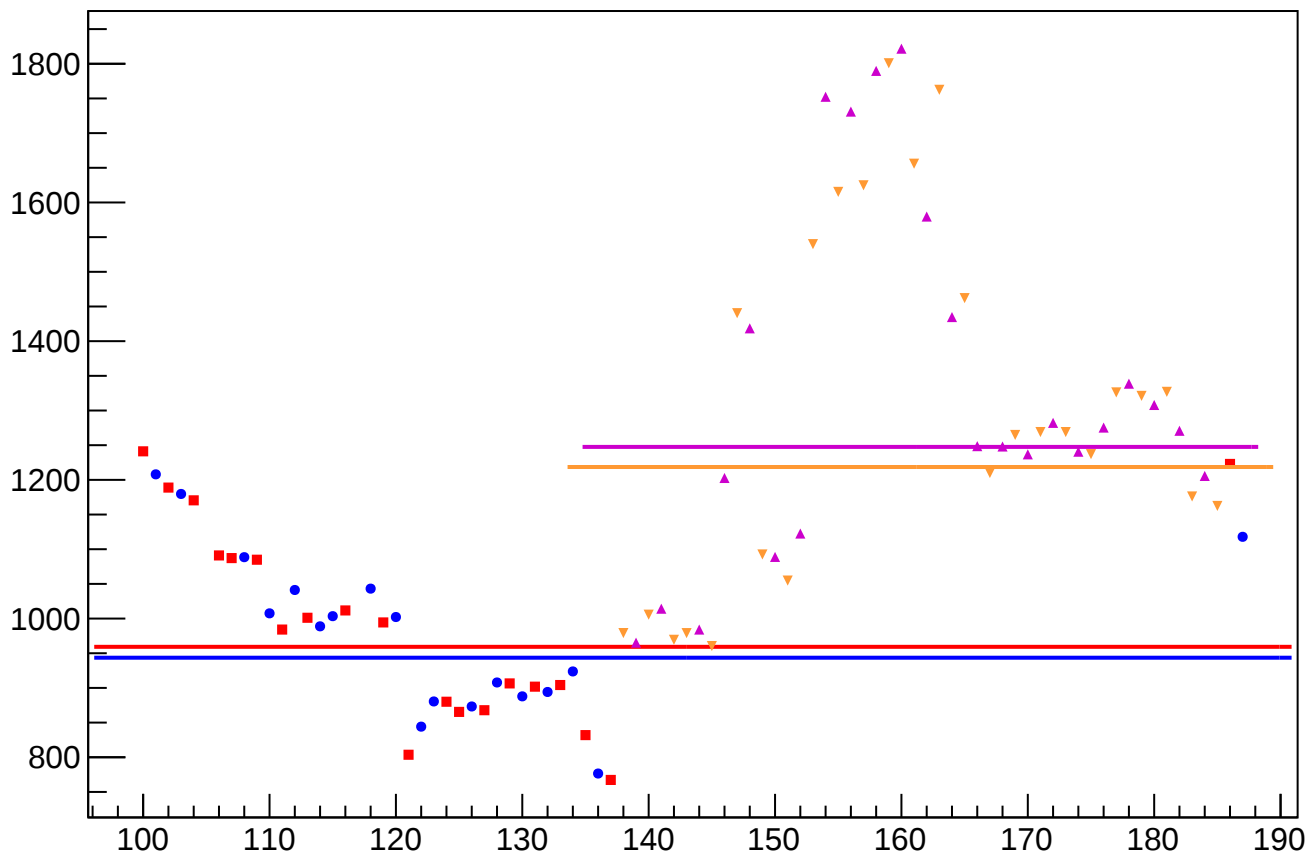
Right: -2.533 $\pm$ 0.253 χ^2/NDF : 755.5/37

In: -0.294 $\pm$ 0.234 χ^2/NDF :374.6/40

Out: -0.970 $\pm$ 0.224 χ^2/NDF :554.2/44

All: -0.647 $\pm$ 0.162 χ^2/NDF : 933.1/85

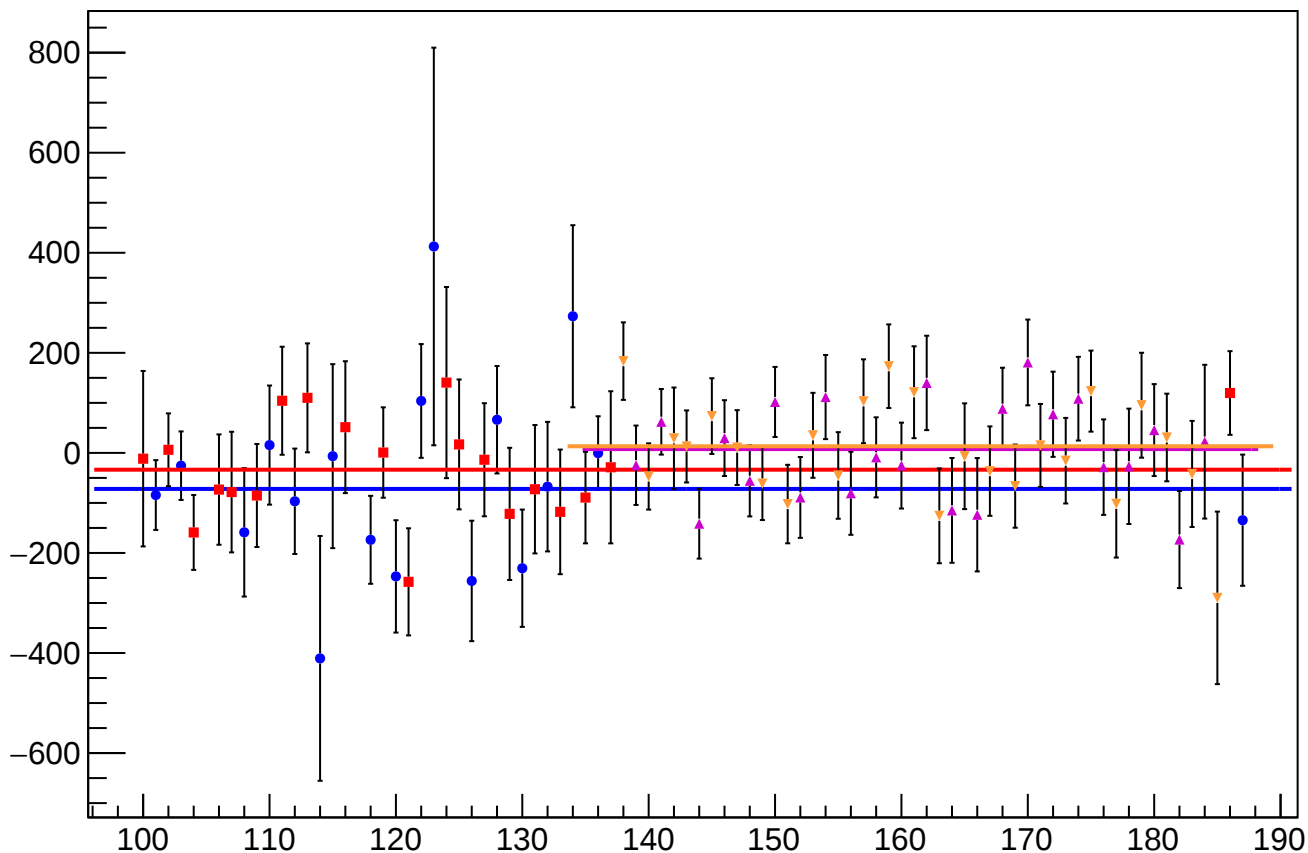
diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 943.558 $\pm$ 0.257 χ^2/NDF : 249168.3/17
 Left Out: 1218.543 $\pm$ 0.205 χ^2/NDF :1265847.5/24
 Right Out: 959.255 $\pm$ 0.250 χ^2/NDF : 257069.6/19
 Left In: 1247.538 $\pm$ 0.216 χ^2/NDF :1073390.3/22

Left: 1232.283 $\pm$ 0.149 χ^2/NDF : 2348717.2/47
 Right: 951.629 $\pm$ 0.179 χ^2/NDF : 508158.0/37
 In: 1121.619 $\pm$ 0.165 χ^2/NDF :2142809.2/40
 Out: 1114.138 $\pm$ 0.158 χ^2/NDF :2167028.5/44
 All: 1117.719 $\pm$ 0.114 χ^2/NDF : 4310904.8/85

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -72.013 $\pm$ 25.485 χ^2/NDF : 21.8/17

Left Out: 13.207 $\pm$ 17.146 χ^2/NDF : 26.8/24

Right Out: -33.576 $\pm$ 24.000 χ^2/NDF : 17.7/19

Left In: 7.618 $\pm$ 17.672 χ^2/NDF : 28.1/22

Left: 10.497 $\pm$ 12.306 χ^2/NDF : 55.0/47

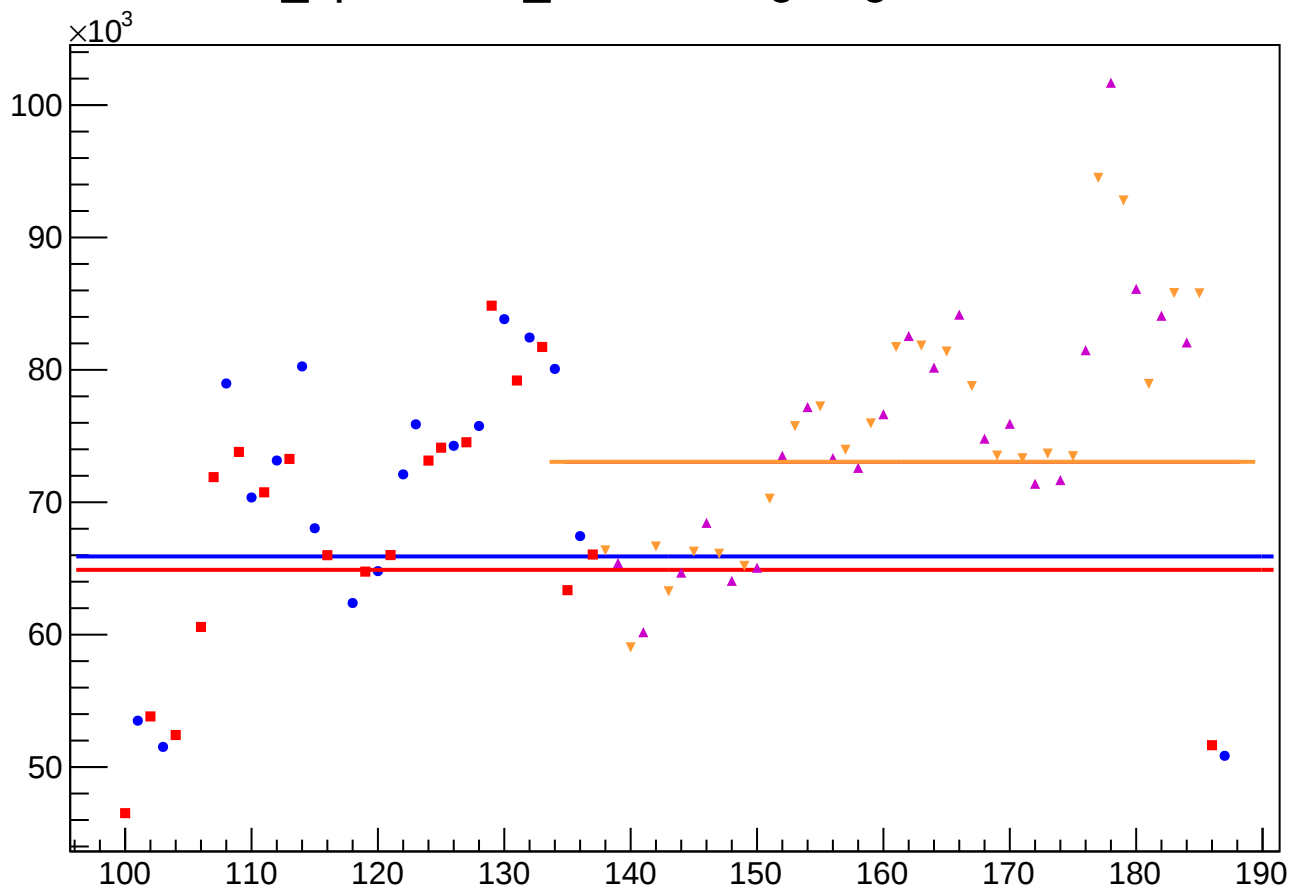
Right: -51.642 $\pm$ 17.472 χ^2/NDF : 40.7/37

In: -18.237 $\pm$ 14.522 χ^2/NDF : 56.5/40

Out: -2.603 $\pm$ 13.951 χ^2/NDF : 47.0/44

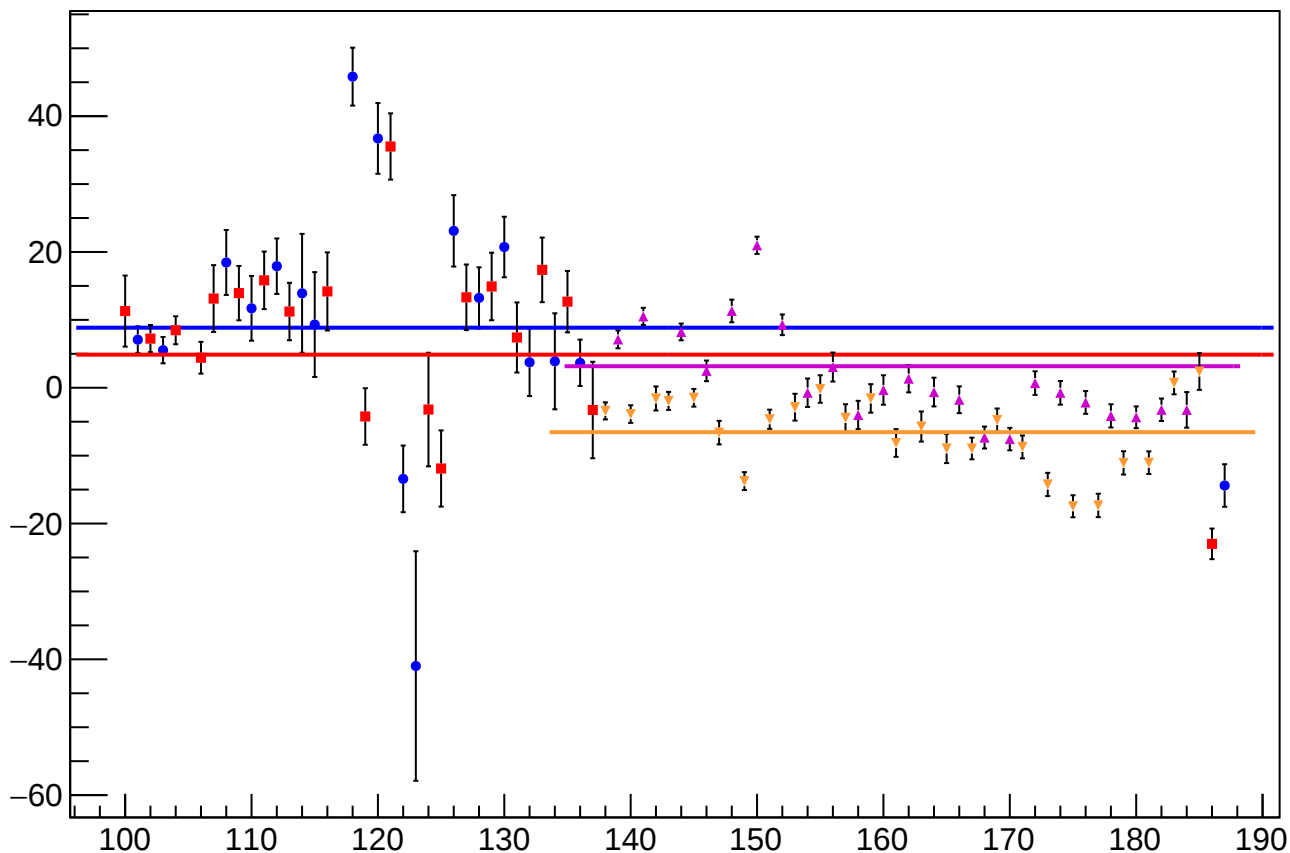
All: -10.107 $\pm$ 10.061 χ^2/NDF : 104.1/85

diff_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 65908.732 $\pm$ 18.021	χ^2 /NDF: 347468.0/17	Left: 73050.085 $\pm$ 8.701	χ^2 /NDF: 936576.6/47
Left Out: 73054.401 $\pm$ 12.124	χ^2 /NDF: 473050.9/24	Right: 65372.312 $\pm$ 12.355	χ^2 /NDF: 702134.2/37
Right Out: 64896.611 $\pm$ 16.970	χ^2 /NDF: 352994.4/19	In: 70728.249 $\pm$ 10.269	χ^2 /NDF: 916907.4/40
Left In: 73045.500 $\pm$ 12.496	χ^2 /NDF: 463525.5/22	Out: 70297.643 $\pm$ 9.865	χ^2 /NDF: 979036.9/44
		All: 70504.320 $\pm$ 7.114	χ^2 /NDF: 1896858.8/8

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 8.847 ± 0.904 $\chi^2/\text{NDF}: 220.7/17$

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

Right Out: 4.877 ± 0.809 $\chi^2/\text{NDF}: 251.2/19$

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

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

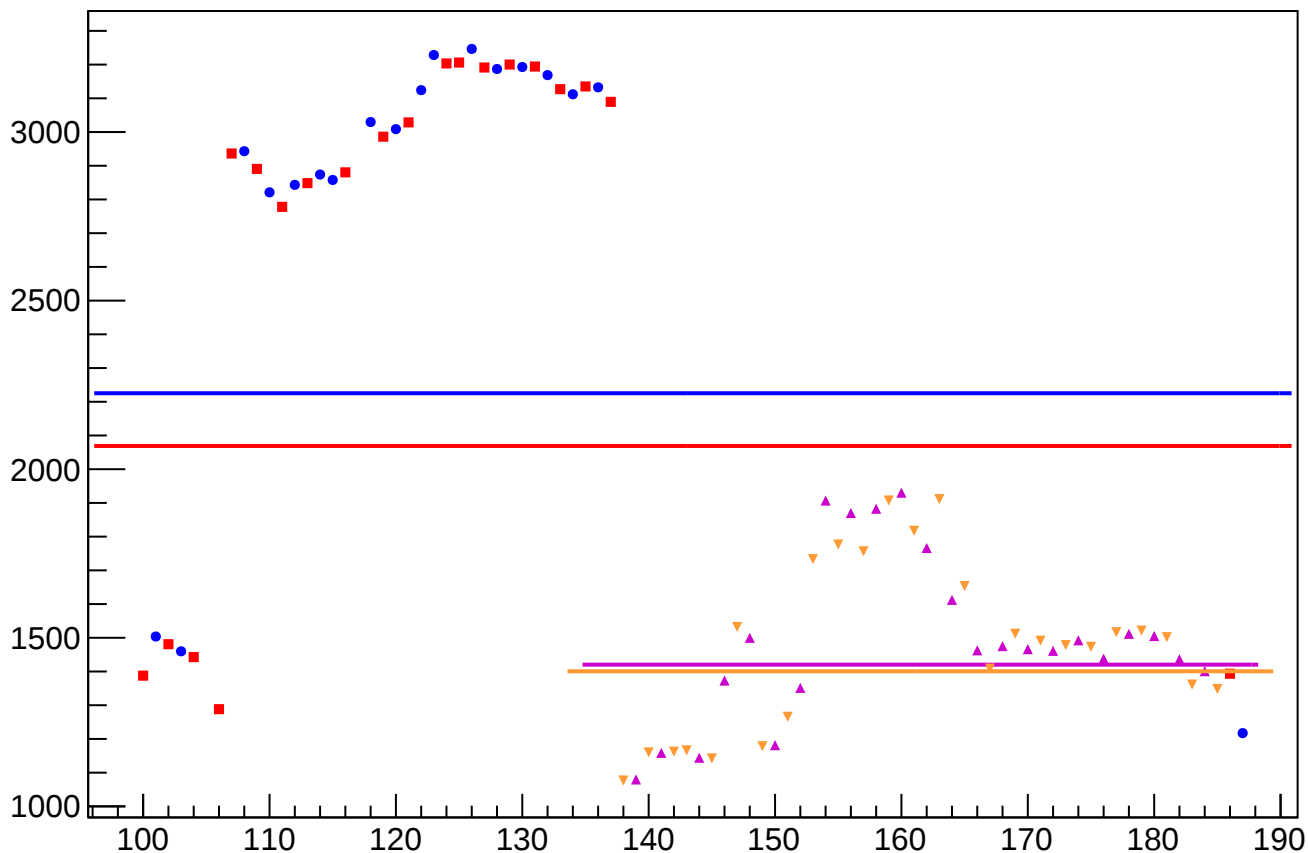
Right: 6.643 ± 0.603 $\chi^2/\text{NDF}: 482.6/37$

In: 3.898 ± 0.324 $\chi^2/\text{NDF}: 742.4/40$

Out: -4.894 ± 0.307 $\chi^2/\text{NDF}: 674.2/44$

All: -0.728 ± 0.223 $\chi^2/\text{NDF}: 1805.2/85$

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2225.324 $\pm$ 0.639 χ^2 /NDF: 1631007.8/17

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

Right Out: 2068.952 $\pm$ 0.572 χ^2 /NDF: 1955627.2/19

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

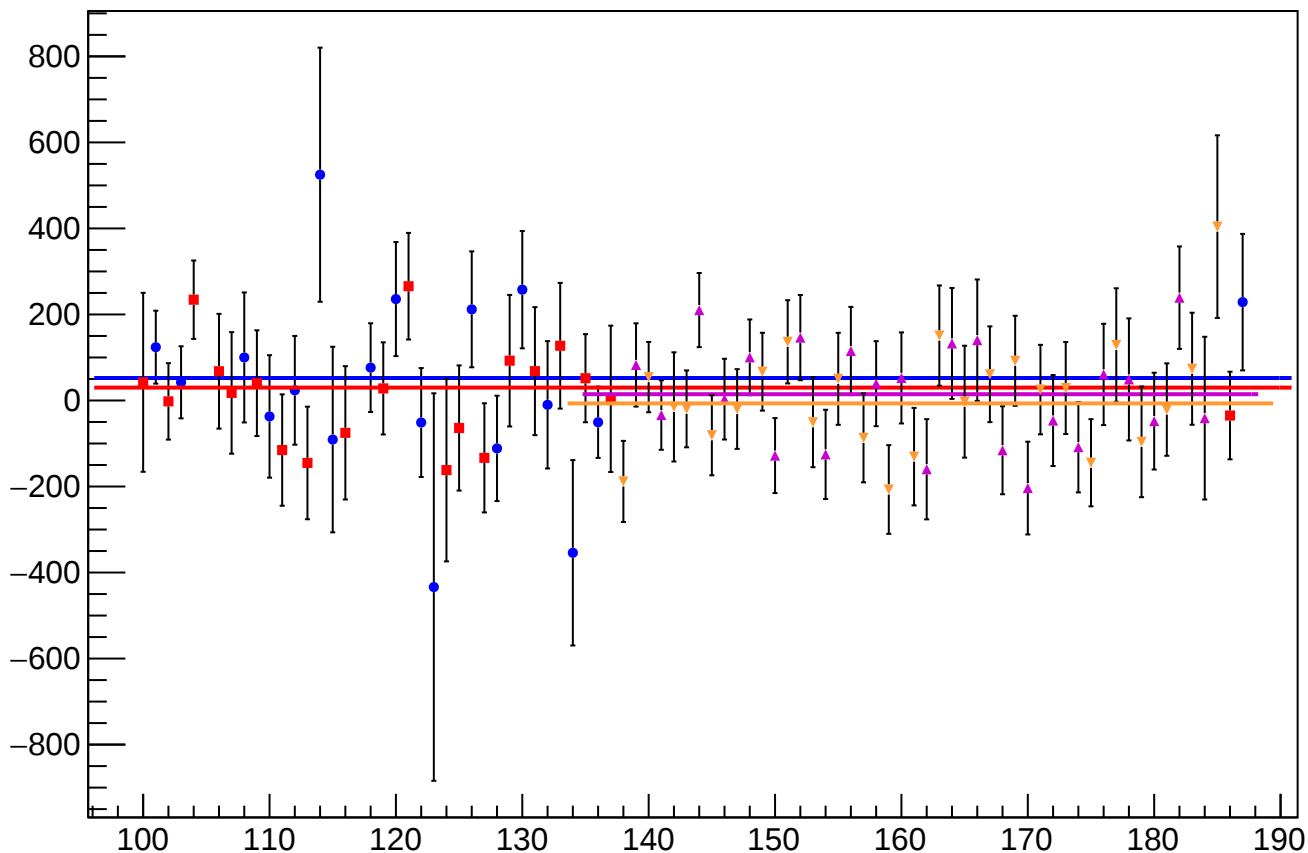
Right: 2138.513 $\pm$ 0.426 χ^2 /NDF: 3619855.0/37

In: 1523.379 $\pm$ 0.229 χ^2 /NDF: 3919077.4/40

Out: 1496.827 $\pm$ 0.217 χ^2 /NDF: 4161292.7/44

All: 1509.408 $\pm$ 0.157 χ^2 /NDF: 8087458.7/85

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 52.257 $\pm$ 29.926 χ^2/NDF : 20.0/17

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

Right Out: 29.950 $\pm$ 28.317 χ^2/NDF : 16.4/19

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

Left: 3.596 $\pm$ 15.219 χ^2/NDF : 55.0/47

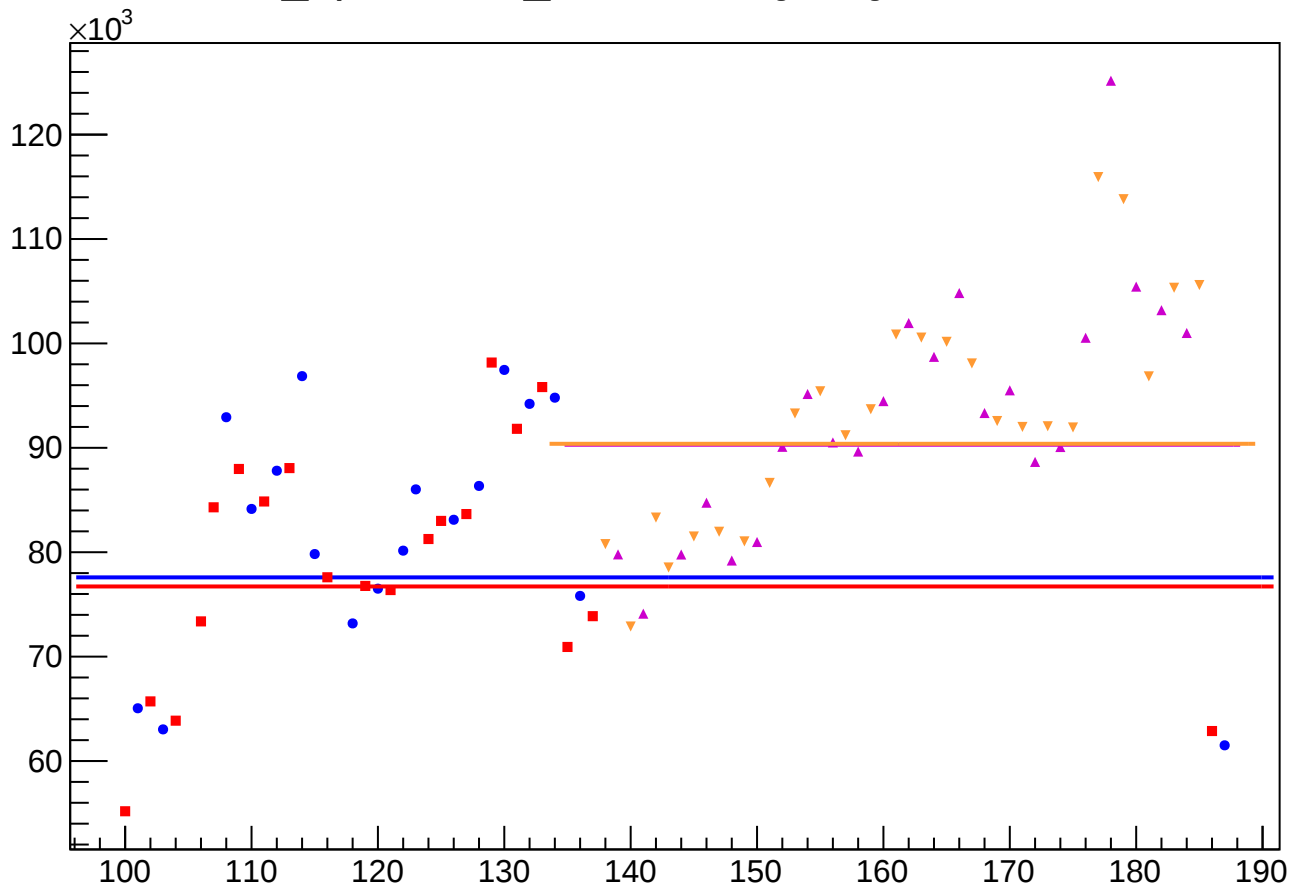
Right: 40.488 $\pm$ 20.569 χ^2/NDF : 36.8/37

In: 27.698 $\pm$ 17.645 χ^2/NDF : 50.9/40

Out: 6.417 $\pm$ 16.978 χ^2/NDF : 42.2/44

All: 16.647 $\pm$ 12.234 χ^2/NDF : 93.8/85

diff_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 77590.135 $\pm$ 21.161 χ^2/NDF : 271596.2/17

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

Right Out: 76719.924 $\pm$ 20.023 χ^2/NDF : 287354.9/19

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

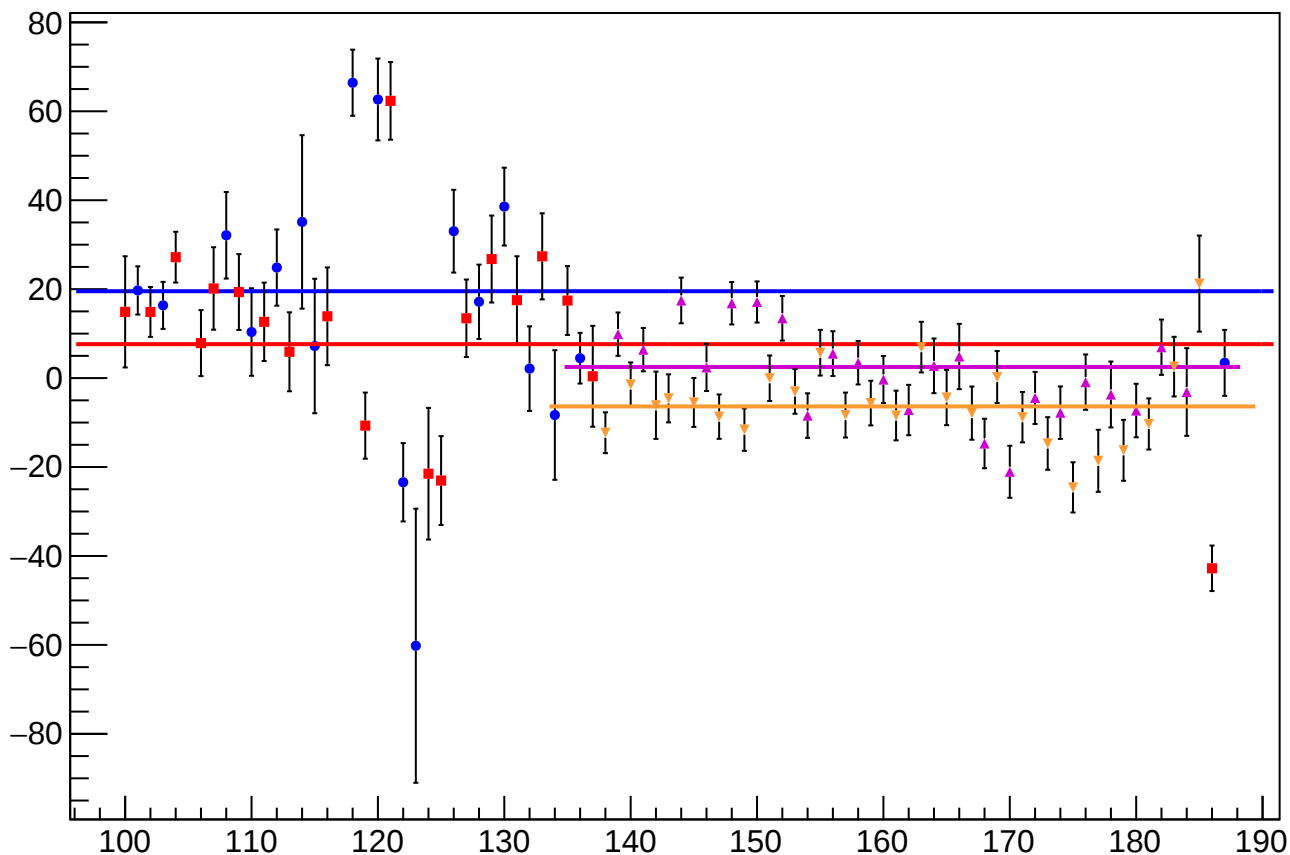
Right: 77131.004 $\pm$ 14.544 χ^2/NDF : 559843.3/37

In: 85877.390 $\pm$ 12.477 χ^2/NDF : 968033.3/40

Out: 85472.827 $\pm$ 12.005 χ^2/NDF : 1047327.4/44

All: 85667.315 $\pm$ 8.651 χ^2/NDF : 2015906.6/8

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 19.536 $\pm$ 1.966 χ^2/NDF : 122.4/17

Left Out: -6.370 $\pm$ 1.124 χ^2/NDF : 45.5/24

Right Out: 7.629 $\pm$ 1.828 χ^2/NDF : 185.3/19

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

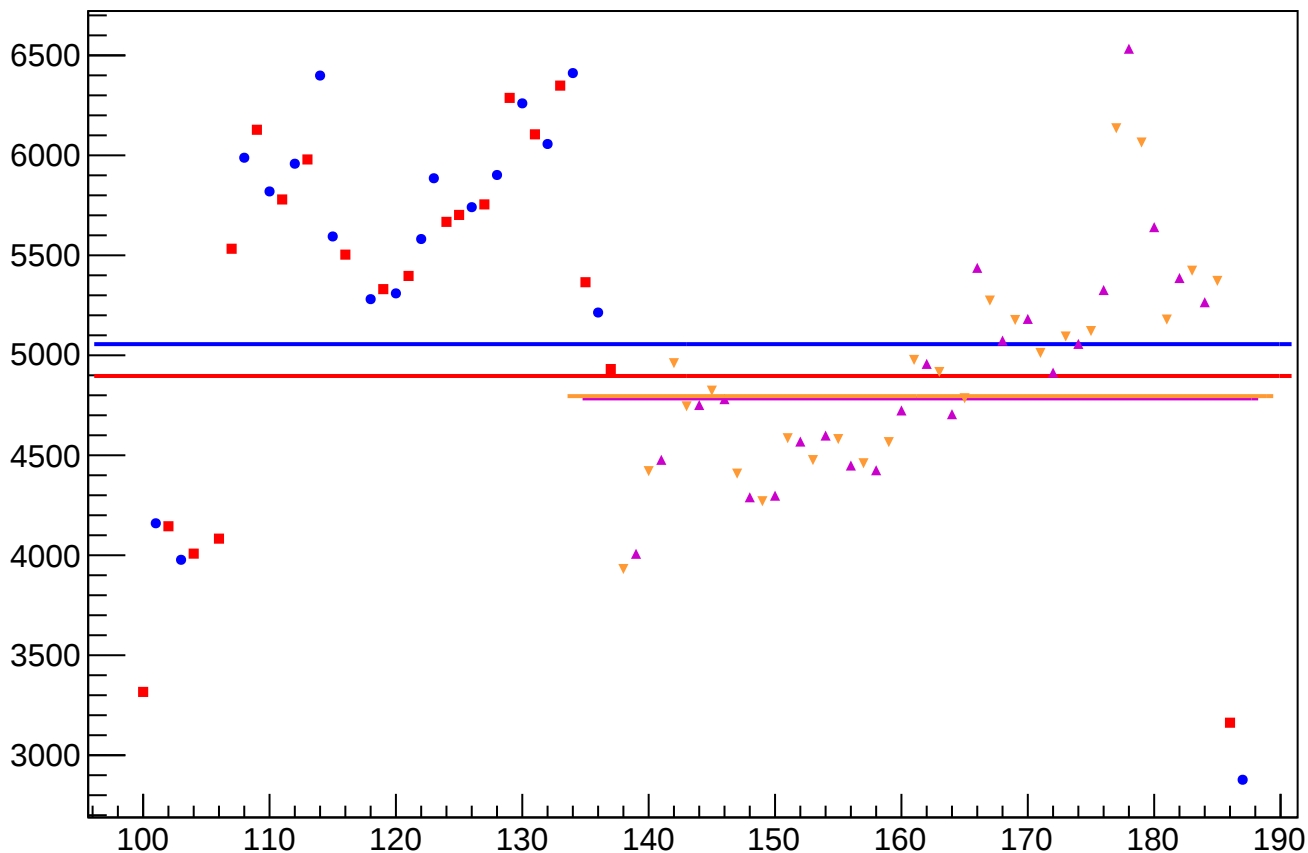
Right: 13.152 $\pm$ 1.339 χ^2/NDF : 327.4/37

In: 6.878 $\pm$ 0.996 χ^2/NDF : 256.7/40

Out: -2.531 $\pm$ 0.957 χ^2/NDF : 273.3/44

All: 1.986 $\pm$ 0.690 χ^2/NDF : 576.3/85

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 5055.802 ± 1.390 $\chi^2/\text{NDF}: 497257.0/17$

Left Out: 4795.847 ± 0.795 $\chi^2/\text{NDF}: 361249.7/24$

Right Out: 4896.577 ± 1.293 $\chi^2/\text{NDF}: 650805.2/19$

Left In: 4784.434 ± 0.817 $\chi^2/\text{NDF}: 357507.2/22$

Left: 4790.301 ± 0.570 $\chi^2/\text{NDF}: 718857.1/47$

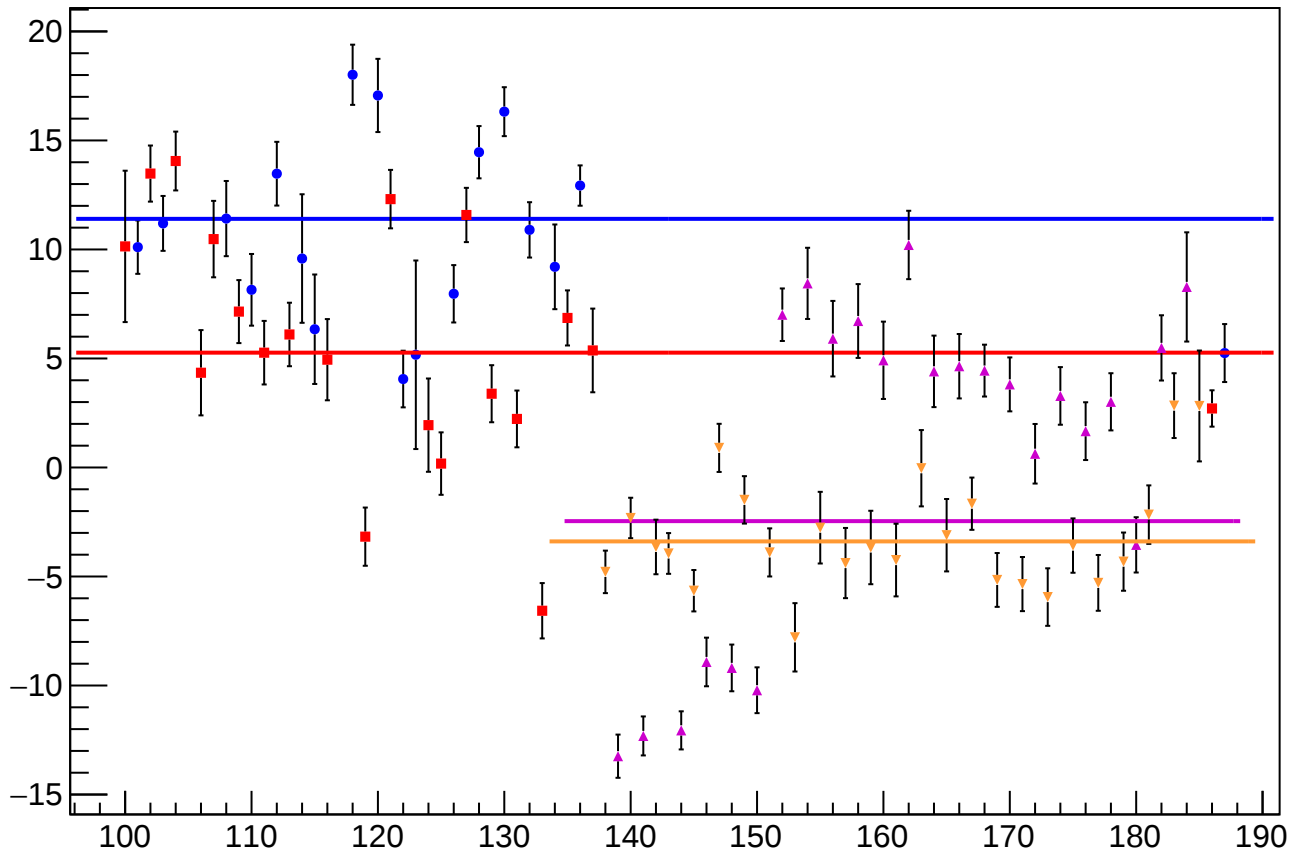
Right: 4970.435 ± 0.947 $\chi^2/\text{NDF}: 1155098.3/37$

In: 4854.165 ± 0.705 $\chi^2/\text{NDF}: 883088.6/40$

Out: 4823.470 ± 0.677 $\chi^2/\text{NDF}: 1016460.8/44$

All: 4838.206 ± 0.488 $\chi^2/\text{NDF}: 1900536.3/85$

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 11.404 ± 0.334 $\chi^2/\text{NDF}: 138.0/17$

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

Right Out: 5.267 ± 0.314 $\chi^2/\text{NDF}: 310.2/19$

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

Left: -2.947 ± 0.183 $\chi^2/\text{NDF}: 1012.2/47$

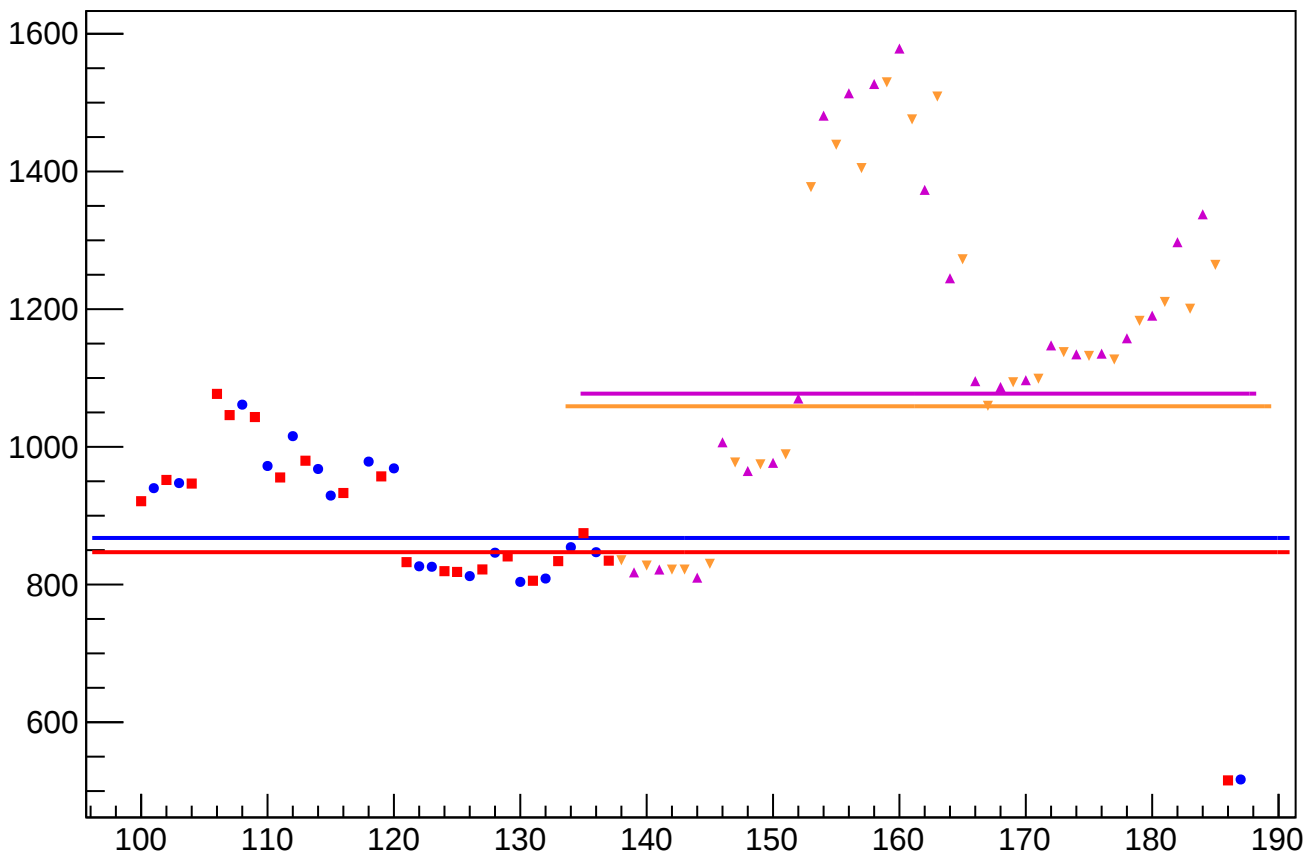
Right: 8.147 ± 0.229 $\chi^2/\text{NDF}: 627.2/37$

In: 2.878 ± 0.207 $\chi^2/\text{NDF}: 2125.1/40$

Out: 0.004 ± 0.197 $\chi^2/\text{NDF}: 849.6/44$

All: 1.365 ± 0.143 $\chi^2/\text{NDF}: 3075.8/85$

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 867.653 ± 0.236 χ^2/NDF : 249971.8/17

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

Right Out: 847.008 ± 0.222 χ^2/NDF : 482900.2/19

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

Left: 1067.683 ± 0.129 χ^2/NDF : 2688612.0/47

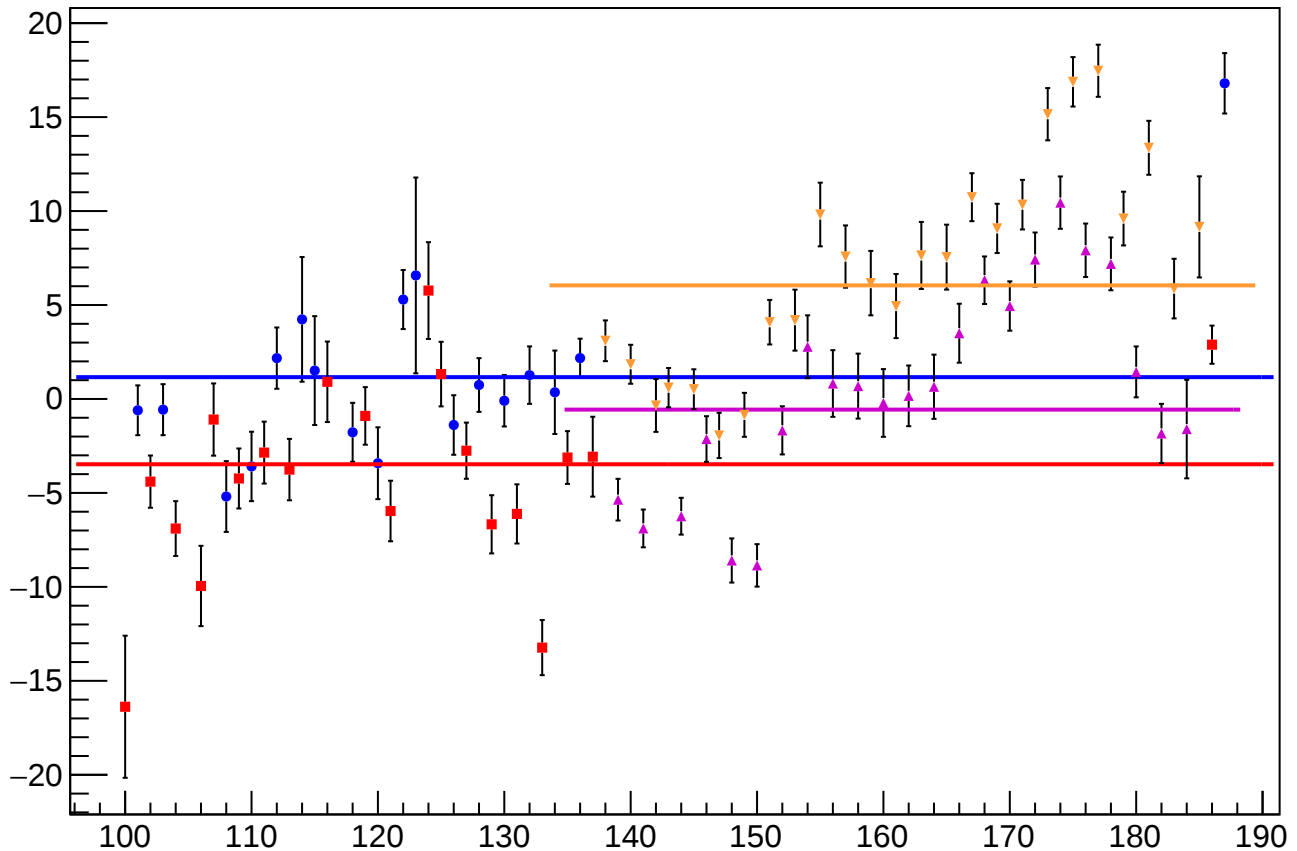
Right: 856.696 ± 0.162 χ^2/NDF : 736925.6/37

In: 996.563 ± 0.147 χ^2/NDF : 2014562.8/40

Out: 975.855 ± 0.139 χ^2/NDF : 2439574.6/44

All: 985.665 ± 0.101 χ^2/NDF : 4464639.9/85

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 1.161 ± 0.384 χ^2/NDF : 139.2/17

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

Right Out: -3.474 ± 0.362 χ^2/NDF : 149.7/19

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

Left: 2.888 ± 0.196 χ^2/NDF : 1130.7/47

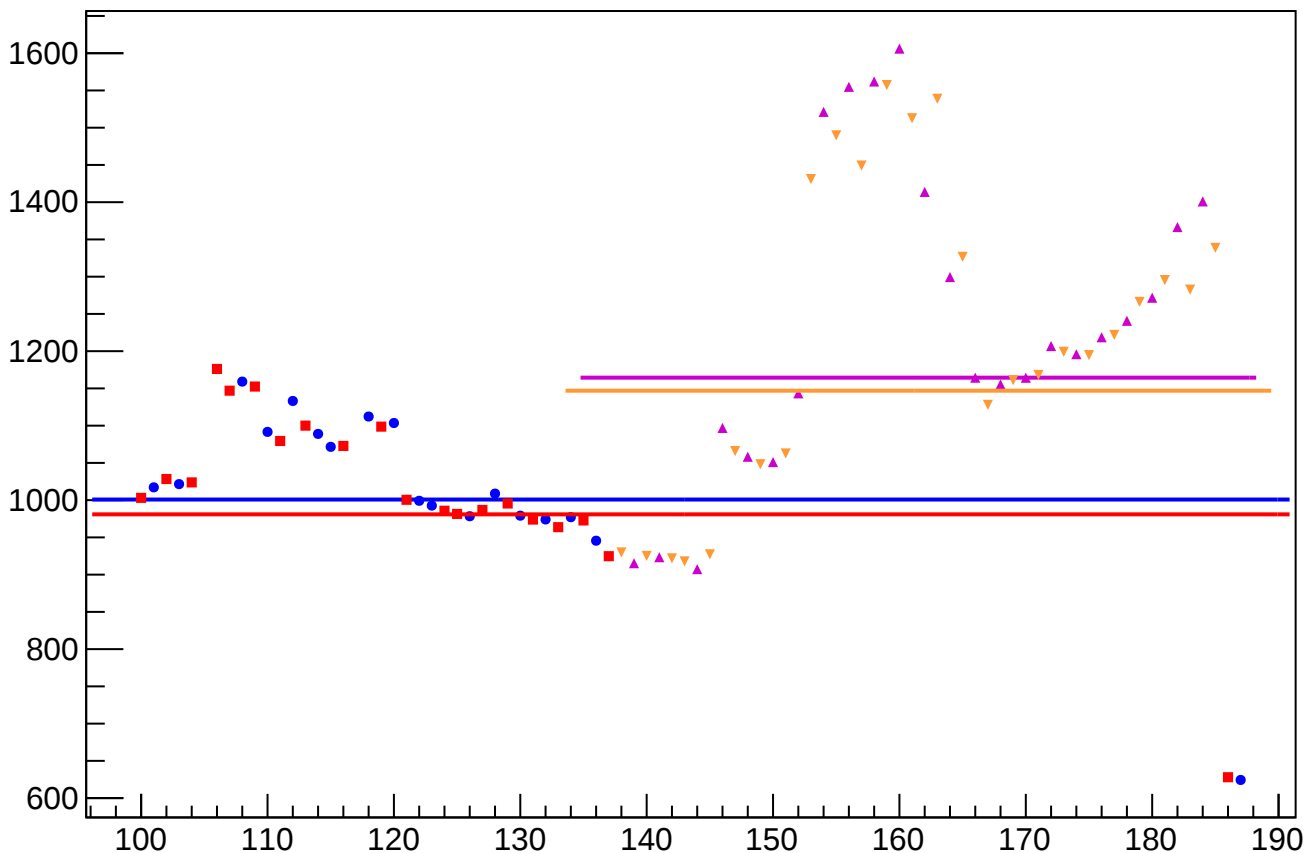
Right: -1.295 ± 0.263 χ^2/NDF : 366.0/37

In: 0.045 ± 0.228 χ^2/NDF : 569.2/40

Out: 2.615 ± 0.217 χ^2/NDF : 1023.0/44

All: 1.394 ± 0.157 χ^2/NDF : 1658.7/85

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 1000.825 ± 0.272 $\chi^2/\text{NDF}: 168665.6/17$

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

Right Out: 980.929 ± 0.256 $\chi^2/\text{NDF}: 335976.8/19$

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

Left: 1155.305 ± 0.139 $\chi^2/\text{NDF}: 1993824.0/47$

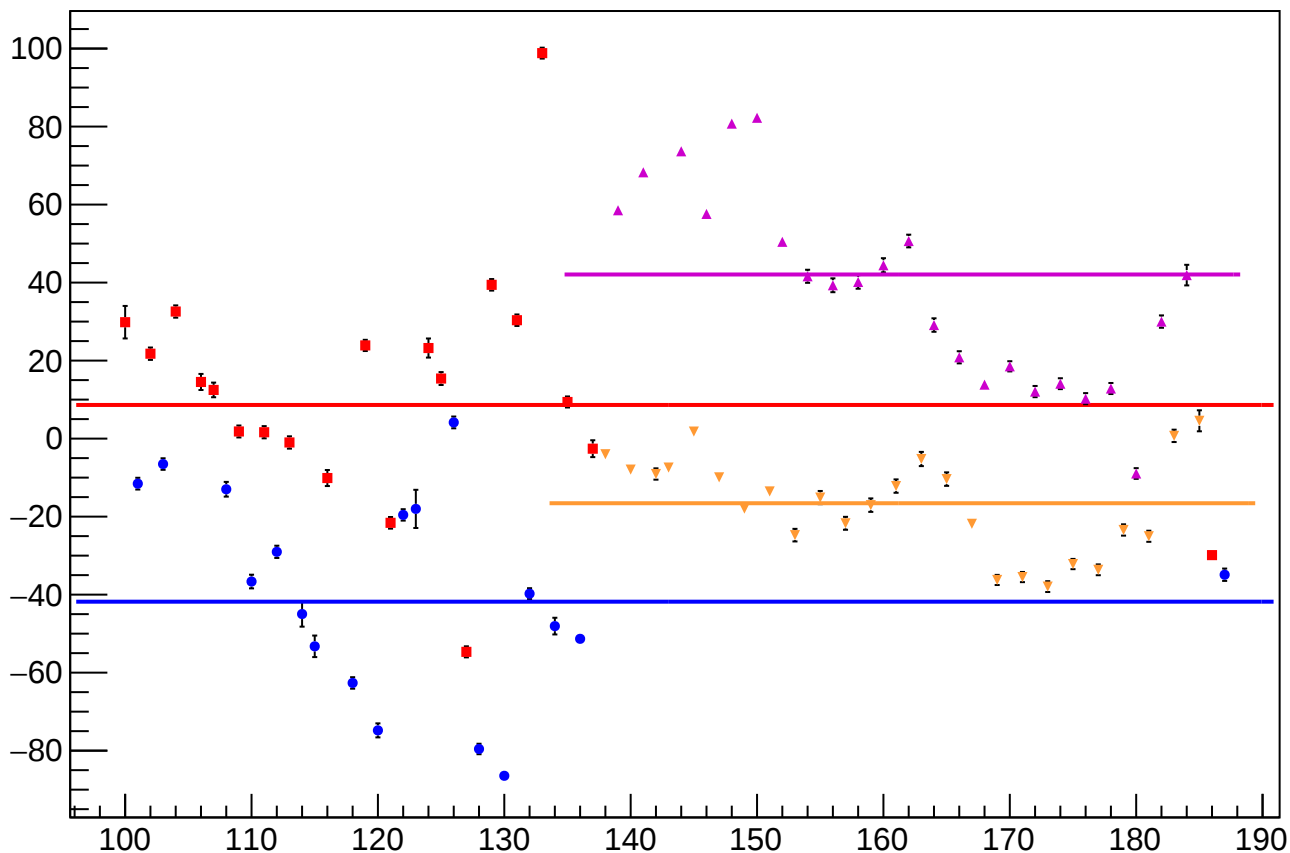
Right: 990.285 ± 0.186 $\chi^2/\text{NDF}: 507483.6/37$

In: 1106.591 ± 0.162 $\chi^2/\text{NDF}: 1347231.4/40$

Out: 1087.136 ± 0.154 $\chi^2/\text{NDF}: 1650896.5/44$

All: 1096.377 ± 0.111 $\chi^2/\text{NDF}: 3005743.6/85$

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -41.807 ± 0.377 $\chi^2/\text{NDF}: 5117.4/17$

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

Right Out: 8.628 ± 0.354 $\chi^2/\text{NDF}: 9428.3/19$

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

Left: 11.318 ± 0.199 $\chi^2/\text{NDF}: 31846.5/47$

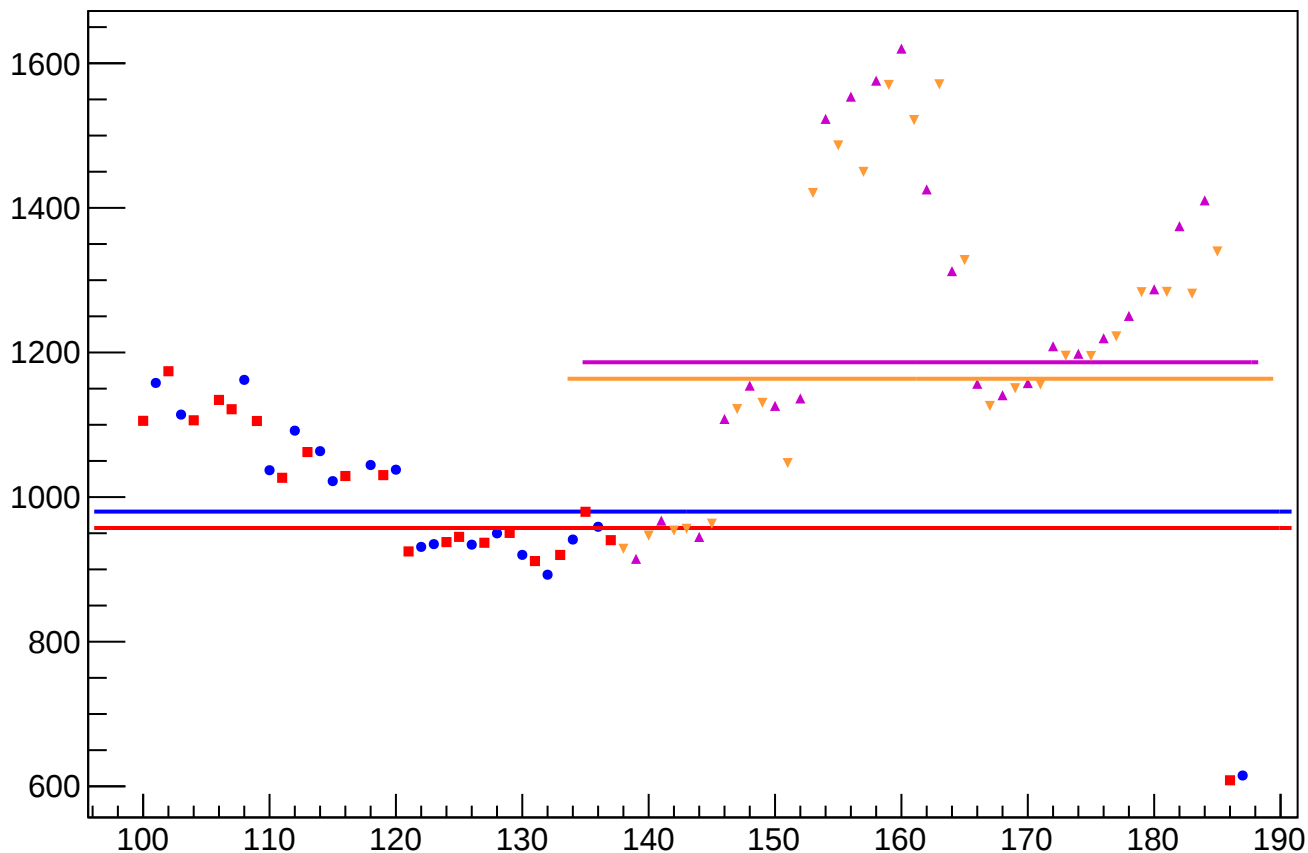
Right: -15.009 ± 0.258 $\chi^2/\text{NDF}: 24069.2/37$

In: 10.987 ± 0.229 $\chi^2/\text{NDF}: 44654.7/40$

Out: -7.067 ± 0.217 $\chi^2/\text{NDF}: 14518.5/44$

All: 1.471 ± 0.158 $\chi^2/\text{NDF}: 62439.2/85$

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 979.948 $\pm$ 0.266 χ^2 /NDF: 208113.3/17

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

Right Out: 957.252 $\pm$ 0.250 χ^2 /NDF: 384317.1/19

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

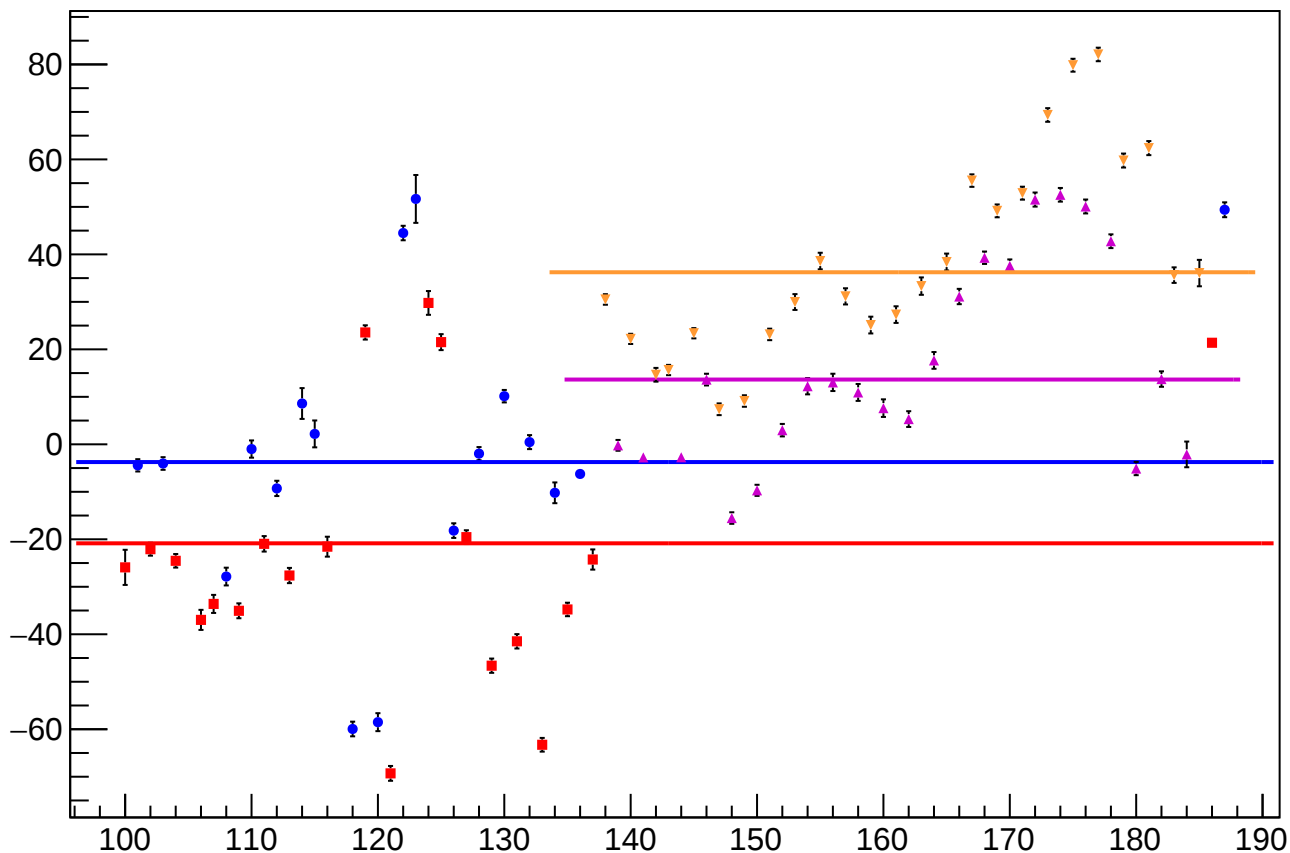
Right: 967.888 $\pm$ 0.182 χ^2 /NDF: 596287.5/37

In: 1109.929 $\pm$ 0.162 χ^2 /NDF: 1419857.4/40

Out: 1085.850 $\pm$ 0.154 χ^2 /NDF: 1744566.1/44

All: 1097.238 $\pm$ 0.112 χ^2 /NDF: 3176042.9/85

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -3.736 ± 0.377 χ^2/NDF : 4857.6/17

Left Out: 36.234 ± 0.280 χ^2/NDF : 5794.2/24

Right Out: -20.848 ± 0.355 χ^2/NDF : 6367.2/19

Left In: 13.640 ± 0.293 χ^2/NDF : 5178.0/22

Left: 25.447 ± 0.202 χ^2/NDF : 14084.0/47

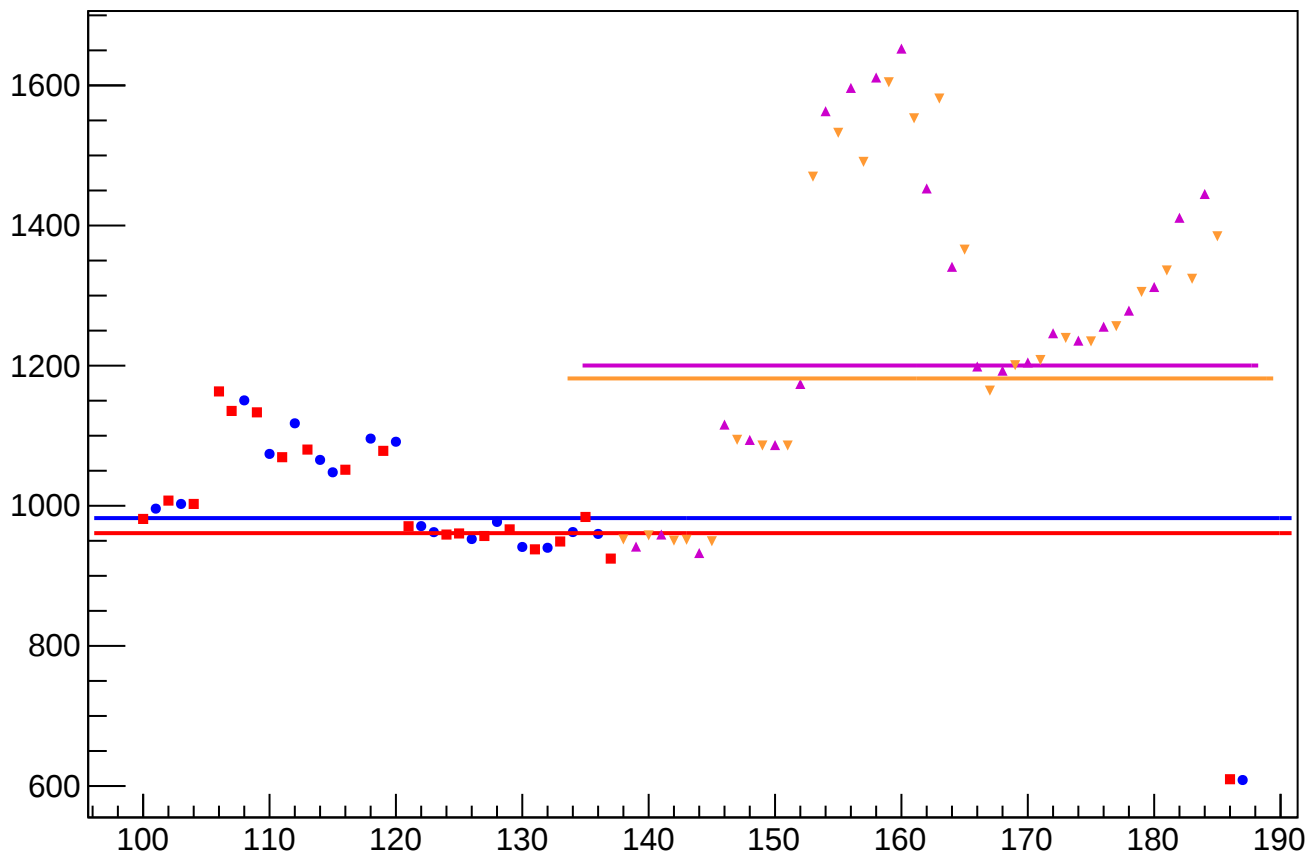
Right: -12.816 ± 0.258 χ^2/NDF : 12316.9/37

In: 7.107 ± 0.231 χ^2/NDF : 11359.7/40

Out: 14.338 ± 0.220 χ^2/NDF : 28118.3/44

All: 10.908 ± 0.159 χ^2/NDF : 39991.8/85

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 982.409 ± 0.267 $\chi^2/\text{NDF}: 175592.1/17$

Left Out: 1181.732 ± 0.198 $\chi^2/\text{NDF}: 1043520.8/24$

Right Out: 960.936 ± 0.251 $\chi^2/\text{NDF}: 355021.8/19$

Left In: 1200.198 ± 0.207 $\chi^2/\text{NDF}: 938224.7/22$

Left: 1190.549 ± 0.143 $\chi^2/\text{NDF}: 1985902.3/47$

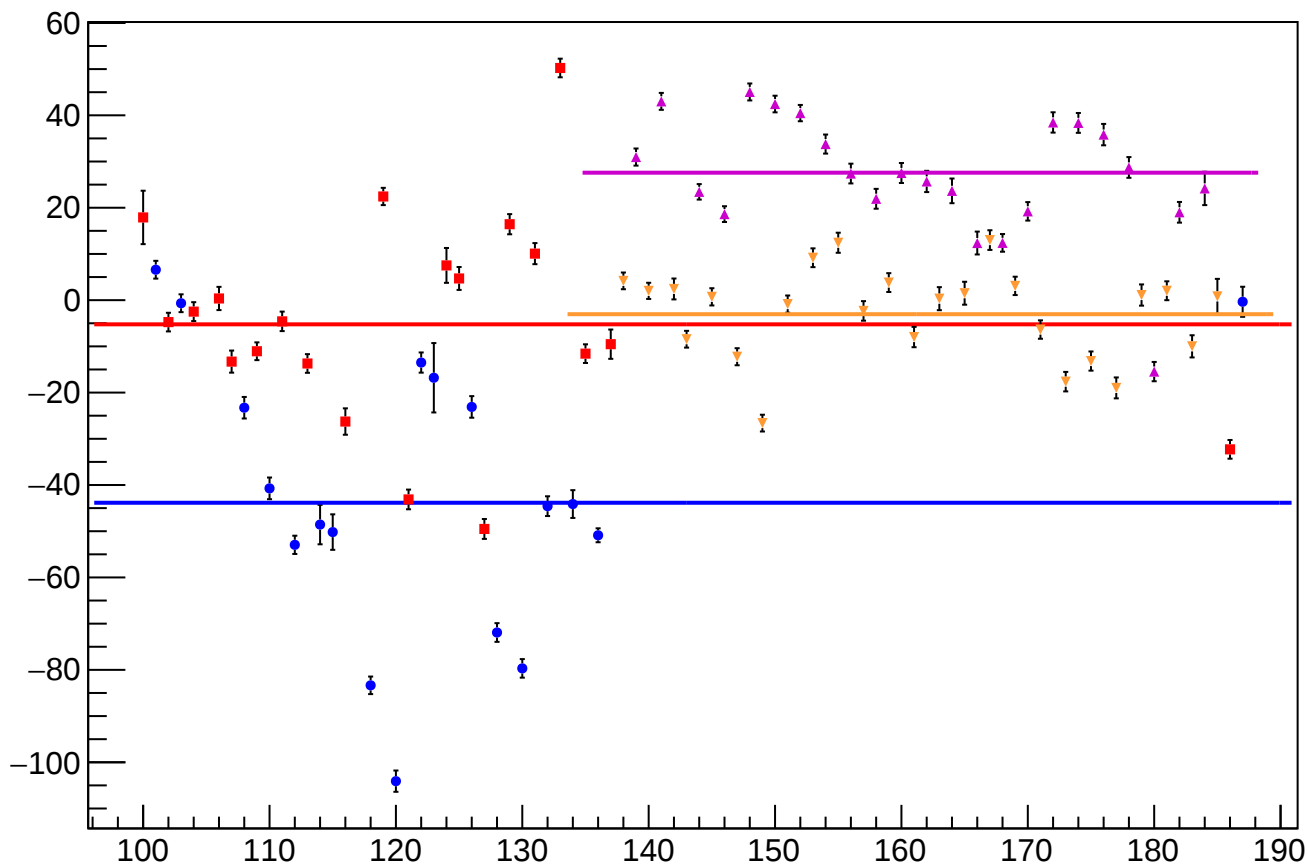
Right: 971.015 ± 0.183 $\chi^2/\text{NDF}: 534052.8/37$

In: 1118.313 ± 0.164 $\chi^2/\text{NDF}: 1529872.3/40$

Out: 1097.038 ± 0.155 $\chi^2/\text{NDF}: 1876019.7/44$

All: 1107.131 ± 0.113 $\chi^2/\text{NDF}: 3414786.2/85$

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -43.840 ± 0.533 χ^2/NDF : 3407.3/17

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

Right Out: -5.231 ± 0.506 χ^2/NDF : 2192.2/19

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

Left: 11.767 ± 0.298 χ^2/NDF : 4146.6/47

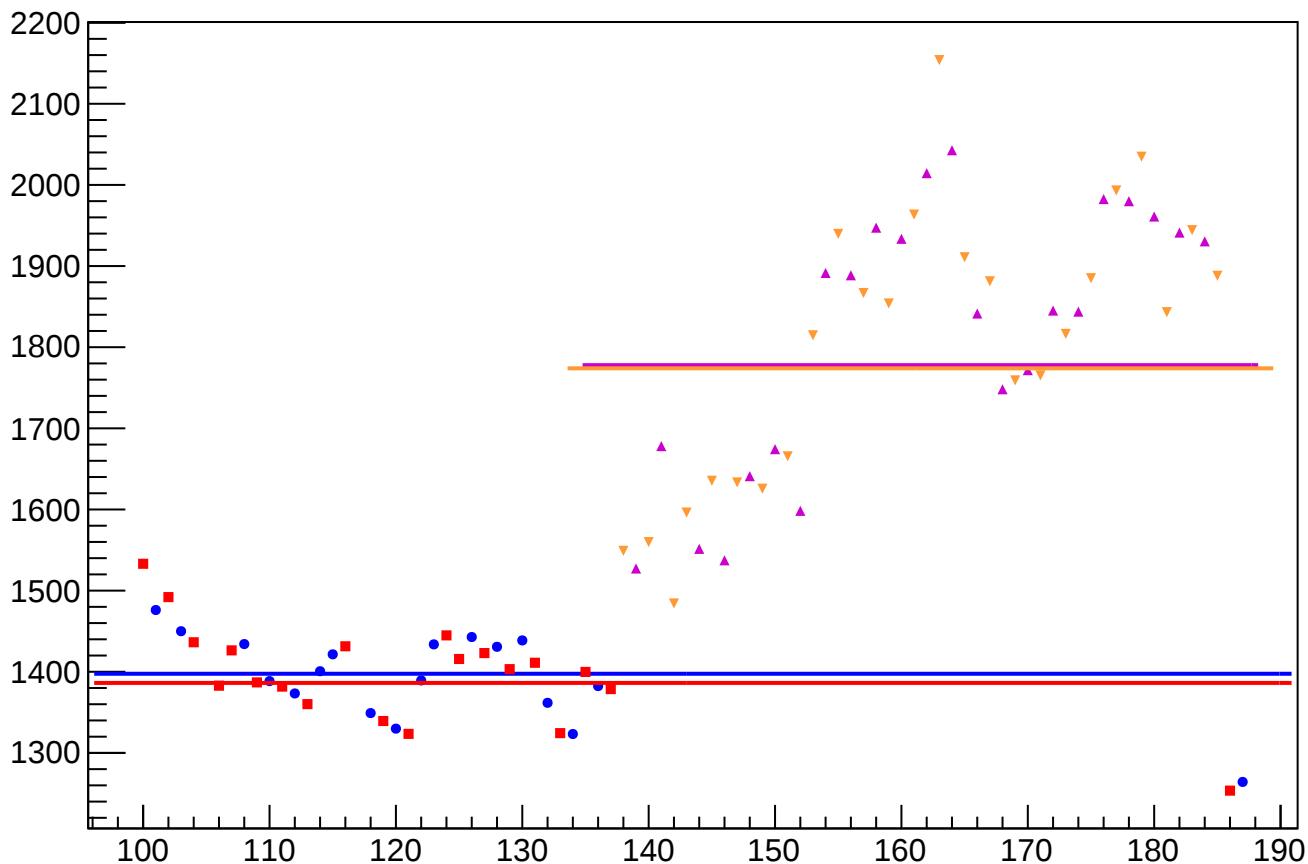
Right: -23.526 ± 0.367 χ^2/NDF : 8357.3/37

In: -0.480 ± 0.334 χ^2/NDF : 15256.8/40

Out: -3.919 ± 0.321 χ^2/NDF : 2759.1/44

All: -2.270 ± 0.232 χ^2/NDF : 18070.9/85

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1397.549 $\pm$ 0.377 χ^2/NDF : 16295.0/17

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

Right Out: 1386.256 $\pm$ 0.358 χ^2/NDF : 24690.7/19

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

Left: 1775.860 $\pm$ 0.211 χ^2/NDF : 612631.3/47

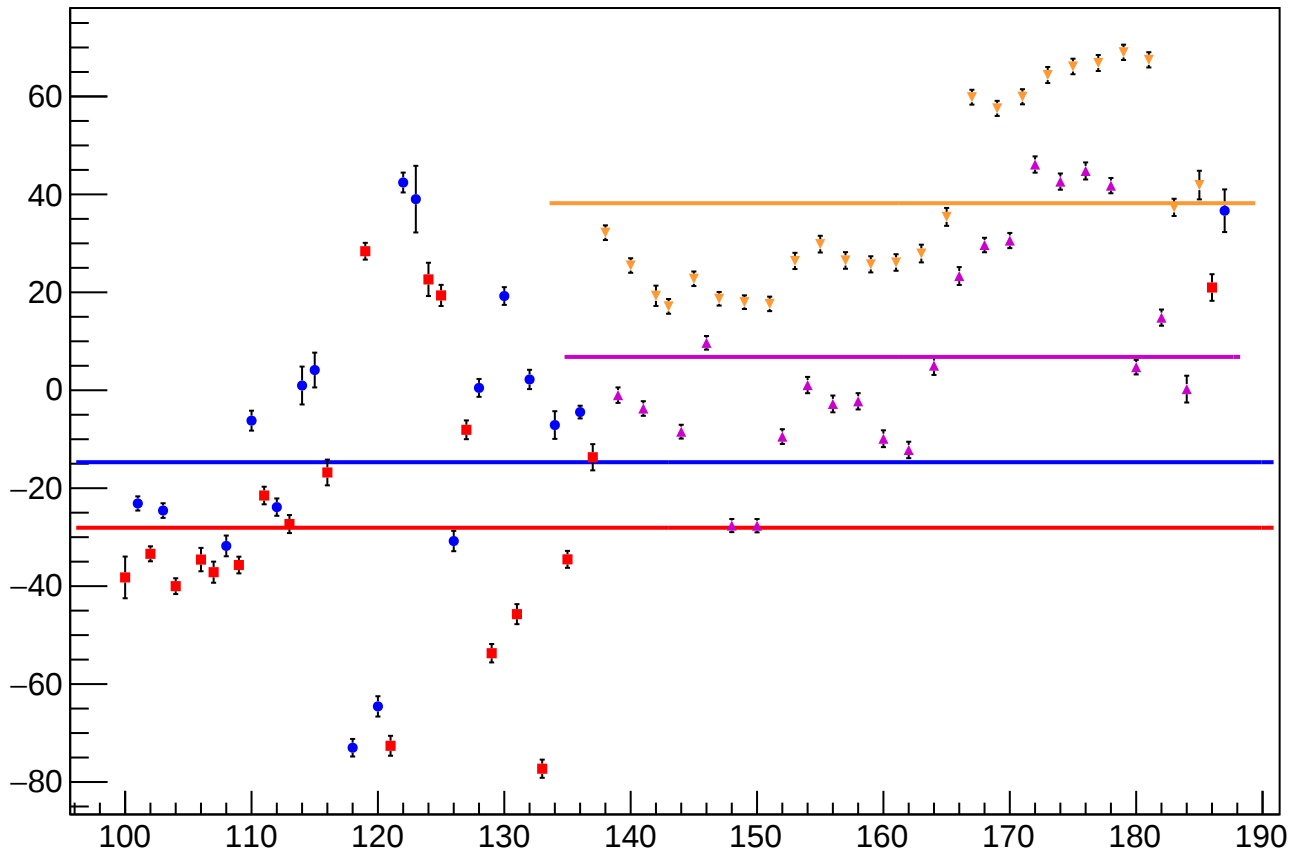
Right: 1391.607 $\pm$ 0.260 χ^2/NDF : 41457.6/37

In: 1628.447 $\pm$ 0.236 χ^2/NDF : 933381.4/40

Out: 1618.042 $\pm$ 0.227 χ^2/NDF : 1039456.3/44

All: 1623.033 $\pm$ 0.164 χ^2/NDF : 1973846.0/85

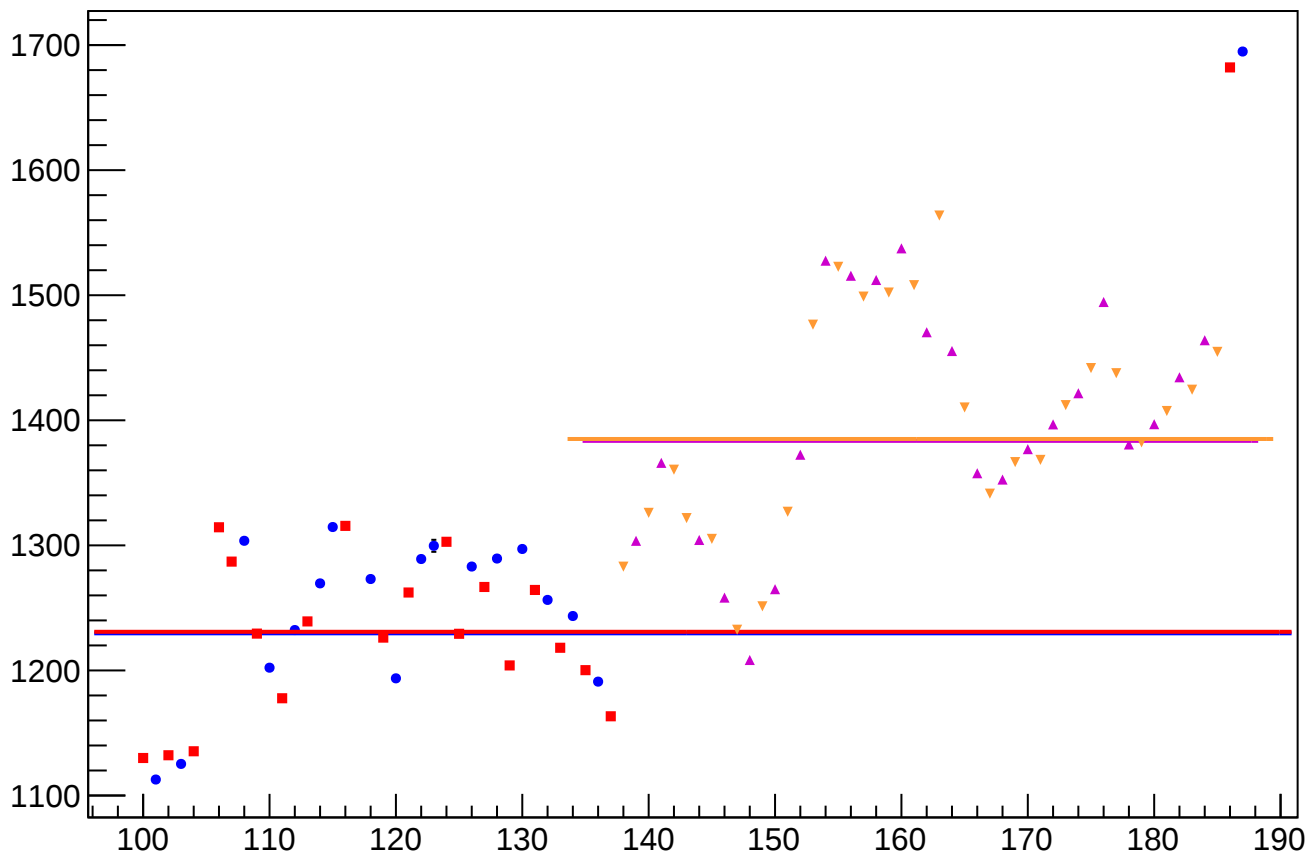
diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -14.691 $\pm$ 0.470 χ^2 /NDF: 3486.0/17
 Left Out: 38.206 $\pm$ 0.323 χ^2 /NDF:3514.2/24
 Right Out: -28.074 $\pm$ 0.451 χ^2 /NDF: 3863.0/19
 Left In: 6.808 $\pm$ 0.333 χ^2 /NDF:4494.5/22

Left: 22.967 $\pm$ 0.232 χ^2 /NDF: 12584.4/47
 Right: -21.667 $\pm$ 0.325 χ^2 /NDF: 7771.4/37
 In: -0.374 $\pm$ 0.272 χ^2 /NDF:9373.2/40
 Out: 15.673 $\pm$ 0.263 χ^2 /NDF:21659.7/44
 All: 7.920 $\pm$ 0.189 χ^2 /NDF: 32835.4/85

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1229.687 $\pm$ 0.332 χ^2 /NDF: 61817.9/17

Left Out: 1385.063 $\pm$ 0.229 χ^2 /NDF:146001.5/24

Right Out: 1230.906 $\pm$ 0.319 χ^2 /NDF: 84247.5/19

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

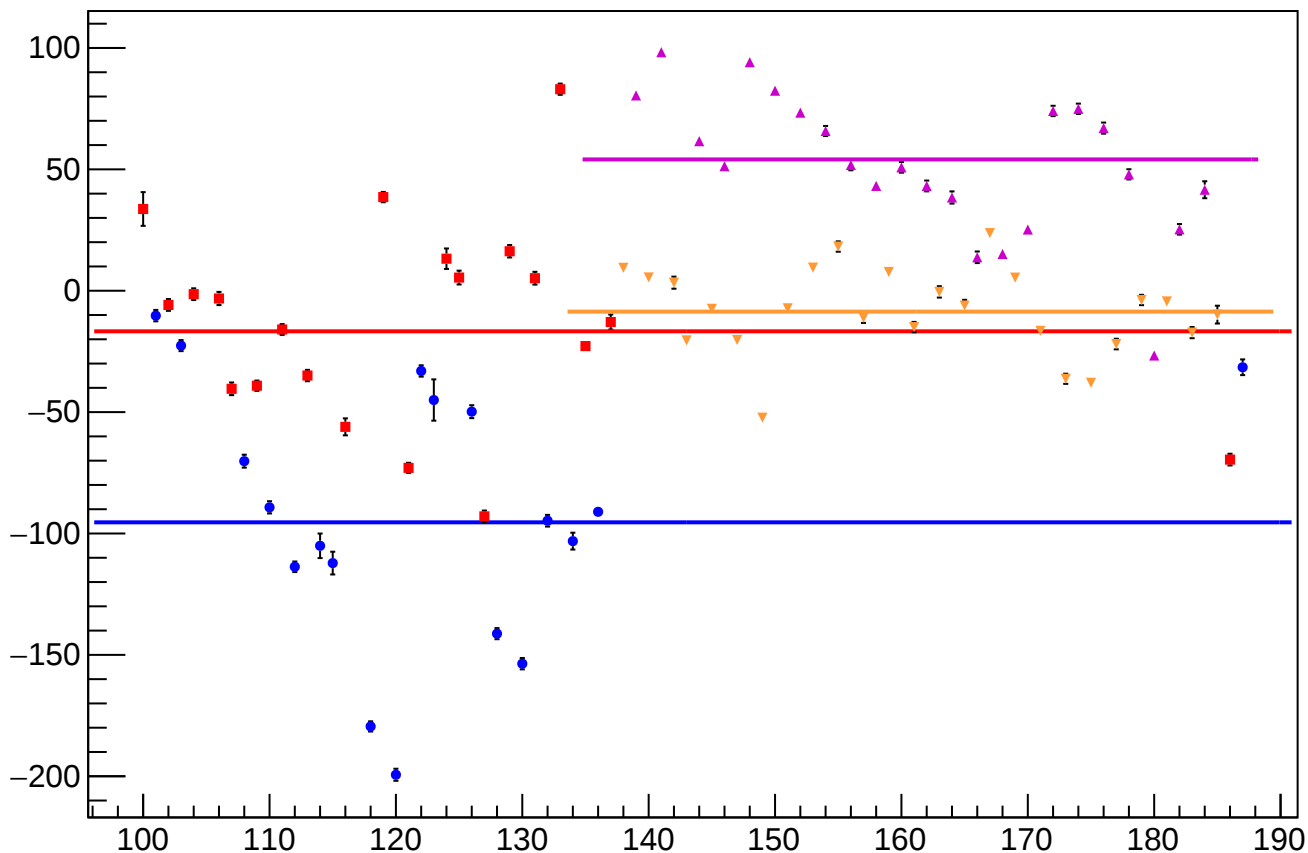
Right: 1230.322 $\pm$ 0.230 χ^2 /NDF: 146072.5/37

In: 1332.156 $\pm$ 0.192 χ^2 /NDF:359180.2/40

Out: 1332.654 $\pm$ 0.186 χ^2 /NDF:384769.5/44

All: 1332.413 $\pm$ 0.134 χ^2 /NDF: 743953.2/85

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -95.400 ± 0.592 $\chi^2/\text{NDF}: 8321.9/17$

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

Right Out: -16.718 ± 0.564 $\chi^2/\text{NDF}: 5622.7/19$

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

Left: 21.586 ± 0.295 $\chi^2/\text{NDF}: 17900.0/47$

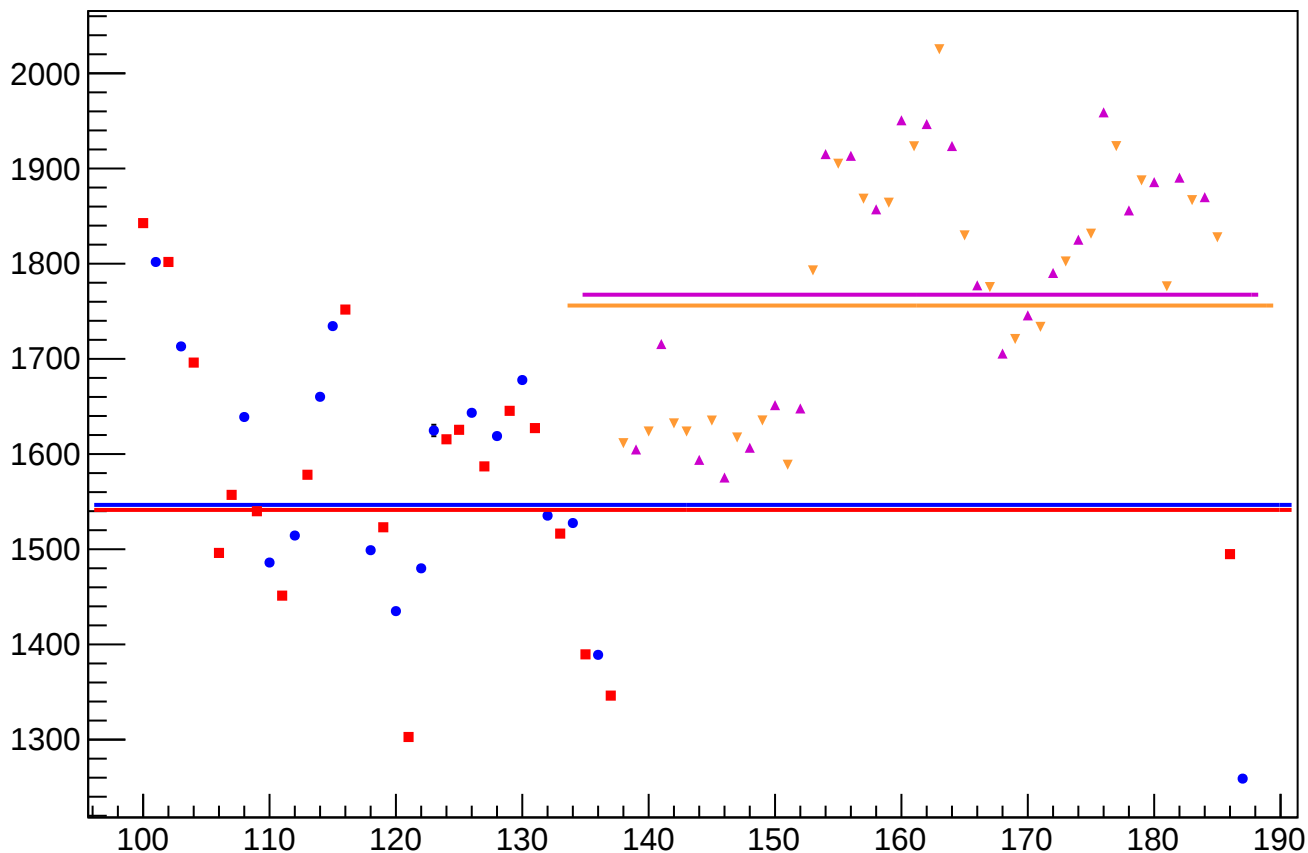
Right: -54.164 ± 0.408 $\chi^2/\text{NDF}: 23198.8/37$

In: 3.160 ± 0.346 $\chi^2/\text{NDF}: 55066.9/40$

Out: -11.411 ± 0.332 $\chi^2/\text{NDF}: 7688.5/44$

All: -4.422 ± 0.239 $\chi^2/\text{NDF}: 63680.3/85$

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1546.591 $\pm$ 0.419 χ^2 /NDF: 97756.5/17

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

Right Out: 1541.312 $\pm$ 0.399 χ^2 /NDF: 101382.0/19

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

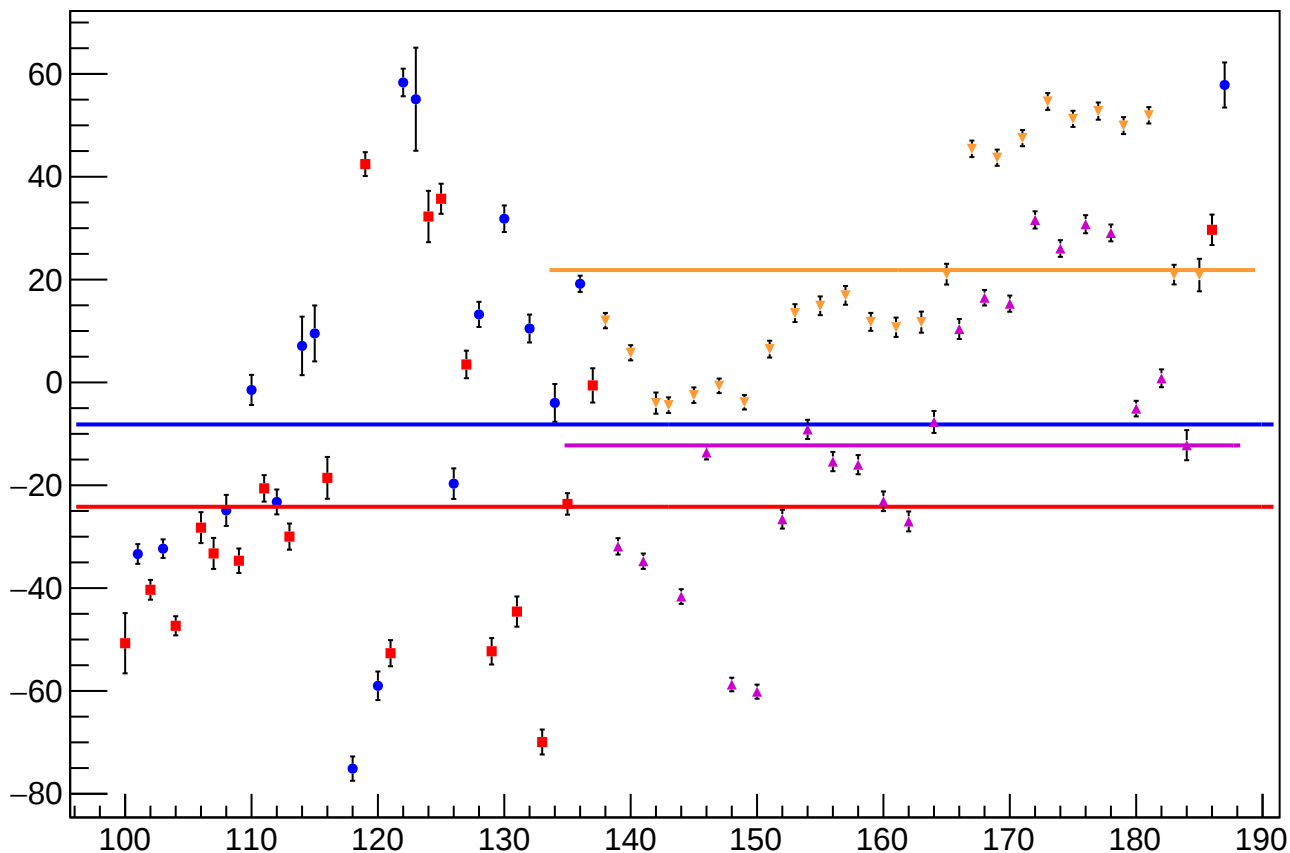
Right: 1543.824 $\pm$ 0.289 χ^2 /NDF: 199221.8/37

In: 1692.180 $\pm$ 0.244 χ^2 /NDF:469104.1/40

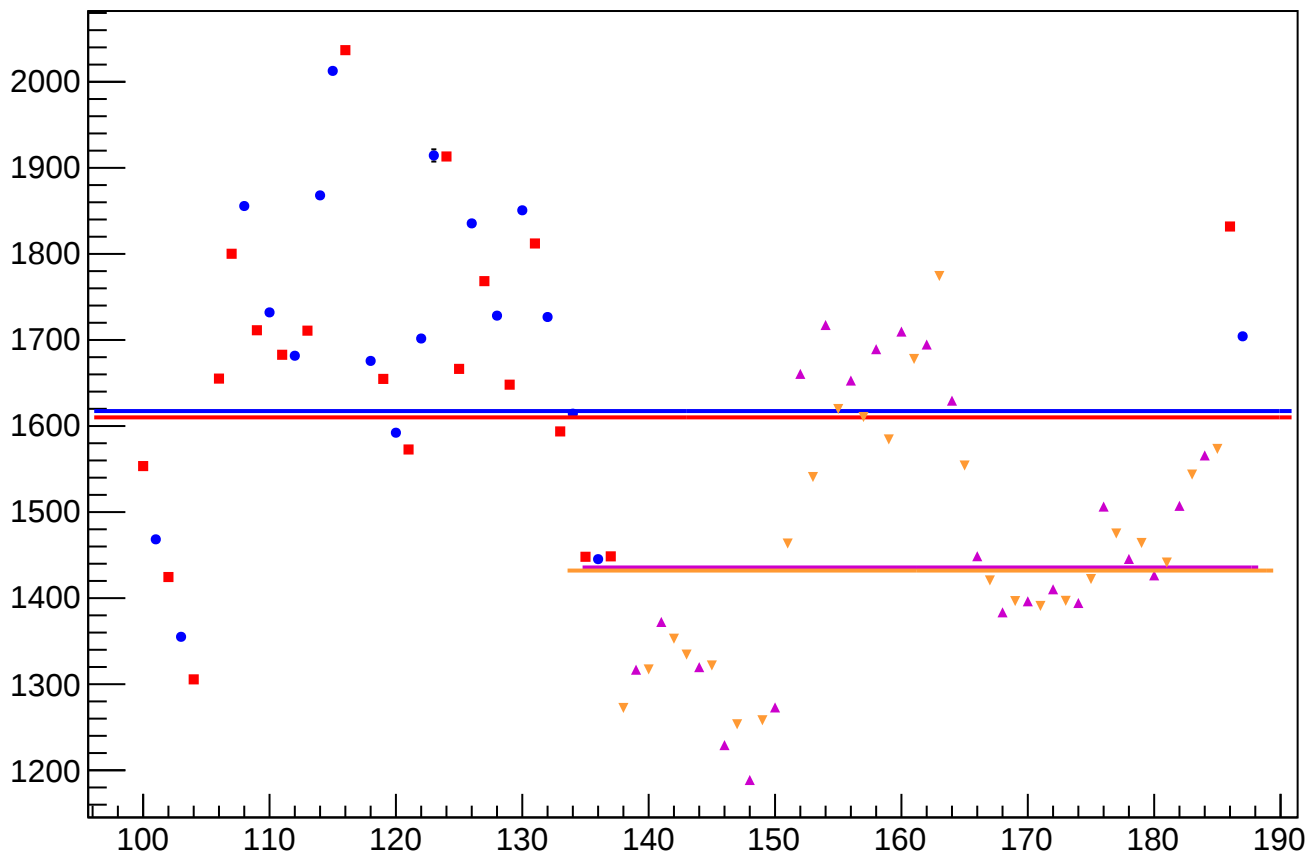
Out: 1681.787 $\pm$ 0.235 χ^2 /NDF:466619.4/44

All: 1686.772 $\pm$ 0.169 χ^2 /NDF: 936664.7/85

diff_bpm0i02aY_mean vs Slug, Sign Corrected



diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1617.406 ± 0.439 $\chi^2/\text{NDF}: 149991.1/17$

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

Right Out: 1610.055 ± 0.418 $\chi^2/\text{NDF}: 165216.8/19$

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

Left: 1433.791 ± 0.171 $\chi^2/\text{NDF}: 718305.7/47$

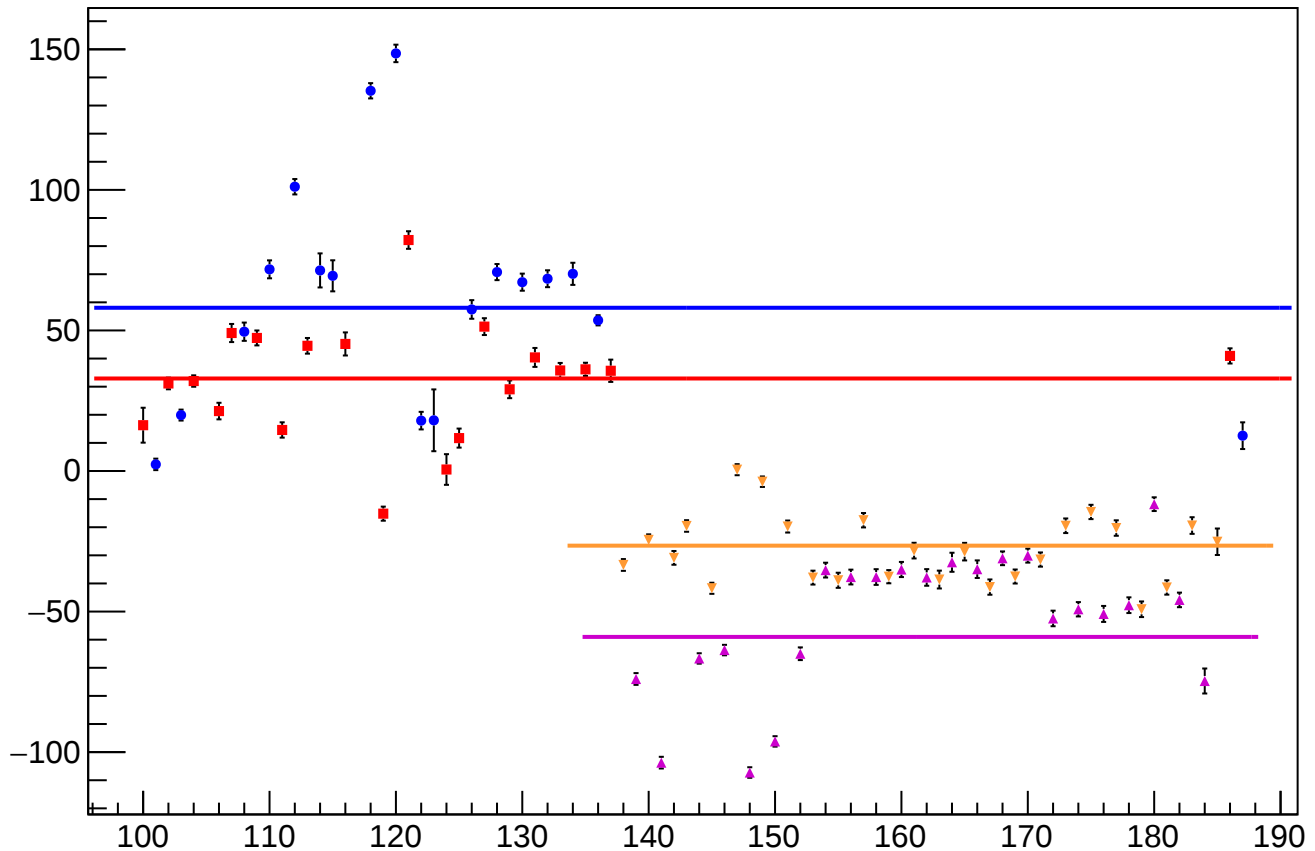
Right: 1613.551 ± 0.303 $\chi^2/\text{NDF}: 315354.8/37$

In: 1478.898 ± 0.214 $\chi^2/\text{NDF}: 701369.9/40$

Out: 1475.348 ± 0.206 $\chi^2/\text{NDF}: 599630.2/44$

All: 1477.056 ± 0.149 $\chi^2/\text{NDF}: 1301142.6/85$

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.068 $\pm$ 0.693 χ^2 /NDF: 3386.9/17

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

Right Out: 32.909 $\pm$ 0.648 χ^2 /NDF: 897.5/19

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

Left: -42.178 $\pm$ 0.351 χ^2 /NDF: 5632.2/47

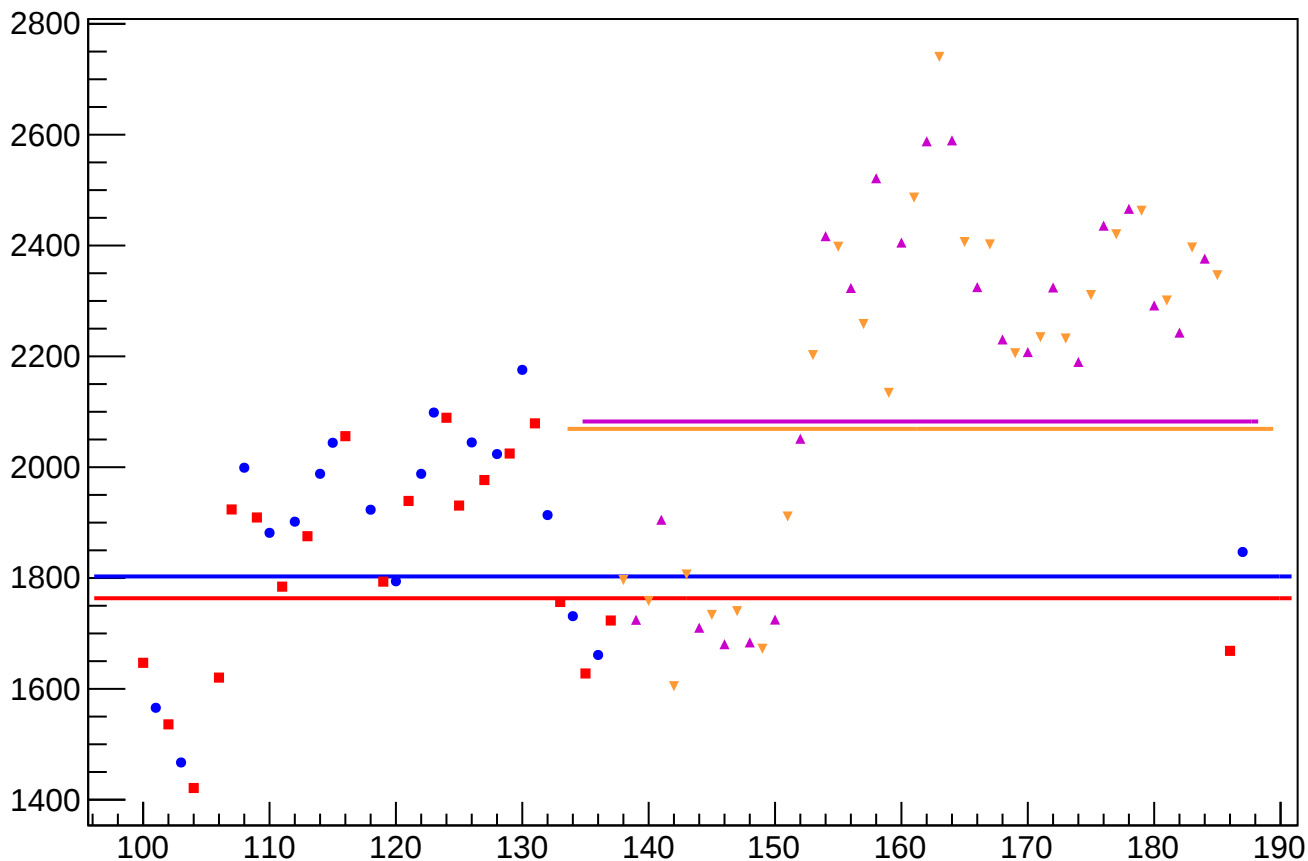
Right: 44.644 $\pm$ 0.473 χ^2 /NDF: 4987.8/37

In: -18.253 $\pm$ 0.409 χ^2 /NDF: 24779.0/40

Out: -5.039 $\pm$ 0.390 χ^2 /NDF: 6990.3/44

All: -11.329 $\pm$ 0.282 χ^2 /NDF: 32316.6/85

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1802.880 ± 0.490 $\chi^2/\text{NDF}: 183732.1/17$

Left Out: 2069.146 ± 0.345 $\chi^2/\text{NDF}: 799037.9/24$

Right Out: 1763.544 ± 0.458 $\chi^2/\text{NDF}: 180440.8/19$

Left In: 2082.497 ± 0.358 $\chi^2/\text{NDF}: 785304.0/22$

Left: 2075.572 ± 0.248 $\chi^2/\text{NDF}: 1585062.9/47$

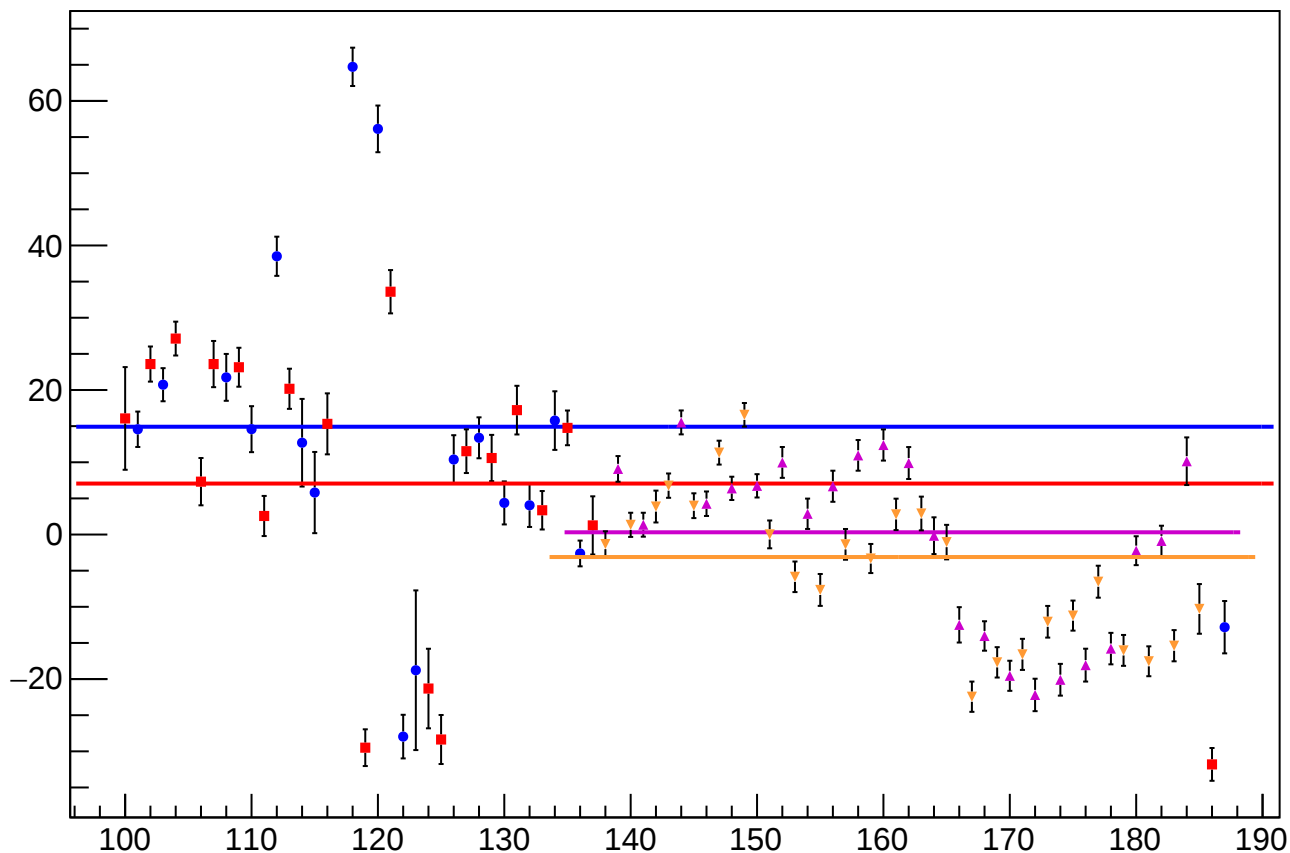
Right: 1781.892 ± 0.335 $\chi^2/\text{NDF}: 367611.3/37$

In: 1985.151 ± 0.289 $\chi^2/\text{NDF}: 1181306.4/40$

Out: 1958.571 ± 0.276 $\chi^2/\text{NDF}: 1263434.1/44$

All: 1971.224 ± 0.199 $\chi^2/\text{NDF}: 2449169.2/85$

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 14.918+/-0.709 χ^2/NDF : 999.1/17

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

Right Out: 7.055+/-0.664 χ^2/NDF : 953.5/19

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

Left: -1.470+/-0.292 χ^2/NDF : 1414.7/47

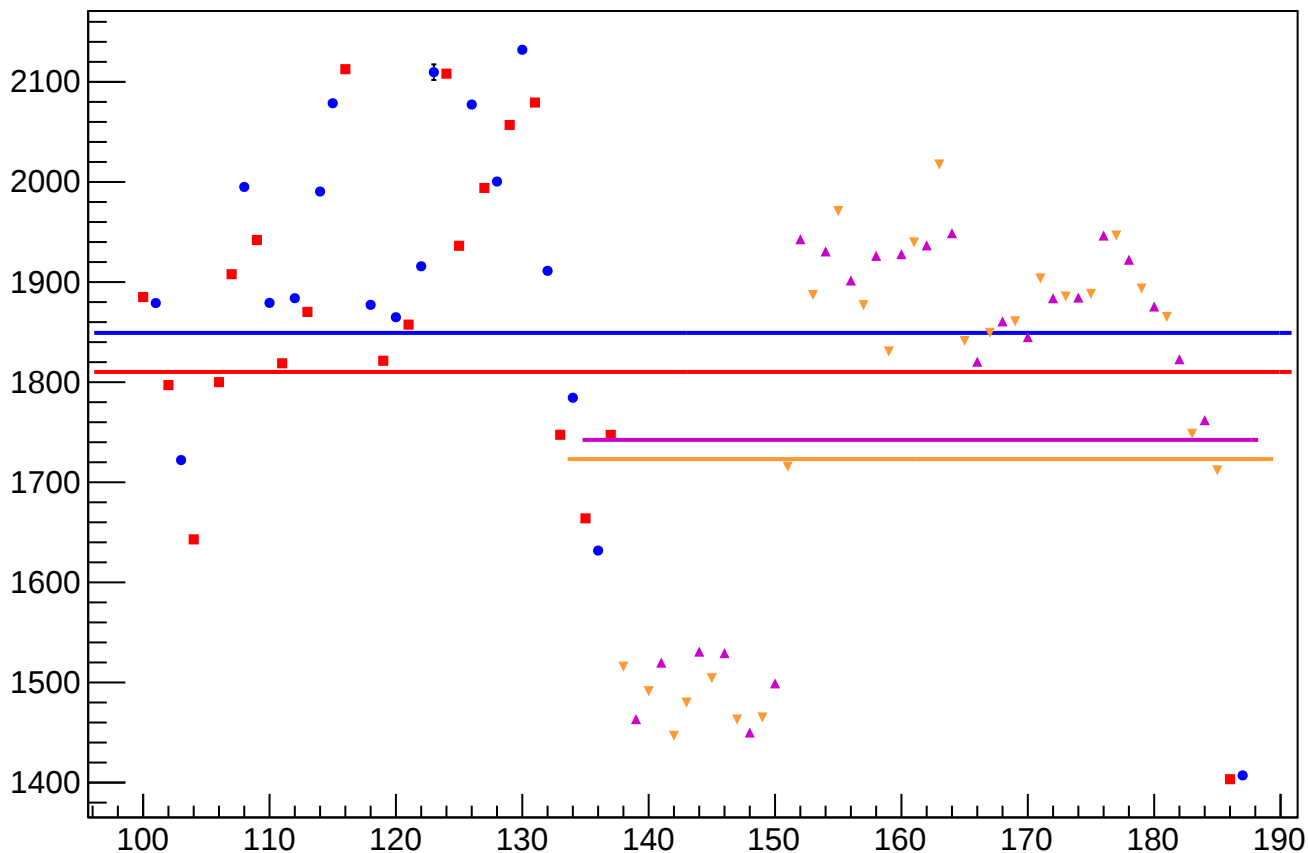
Right: 10.731+/-0.485 χ^2/NDF : 2018.2/37

In: 4.123+/-0.362 χ^2/NDF : 2049.5/40

Out: -0.363+/-0.345 χ^2/NDF : 1768.3/44

All: 1.774+/-0.250 χ^2/NDF : 3898.2/85

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1849.248 $\pm$ 0.501 χ^2 /NDF: 111651.1/17

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

Right Out: 1810.228 $\pm$ 0.470 χ^2 /NDF: 142906.1/19

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

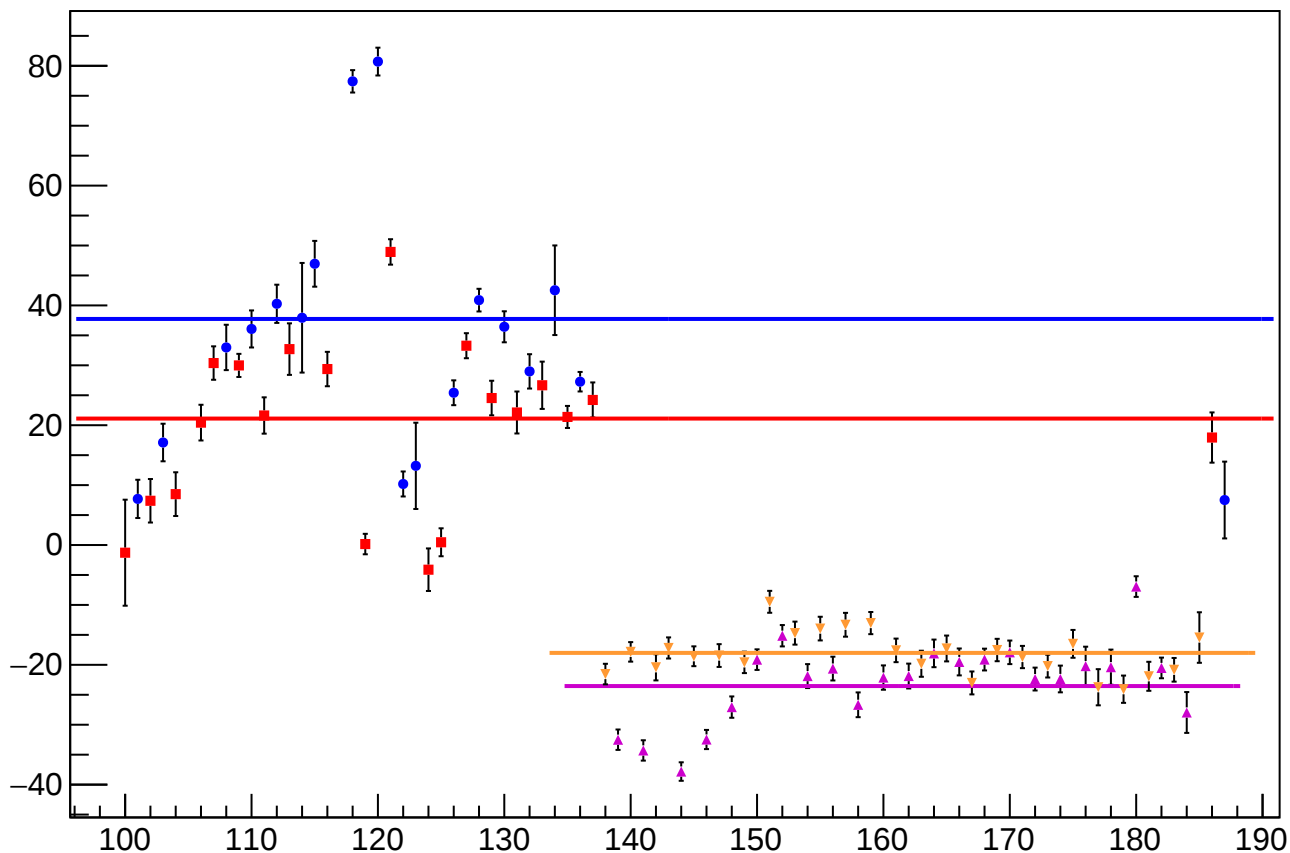
Right: 1828.469 $\pm$ 0.343 χ^2 /NDF: 257785.6/37

In: 1770.243 $\pm$ 0.256 χ^2 /NDF: 581119.8/40

Out: 1746.709 $\pm$ 0.244 χ^2 /NDF: 645430.9/44

All: 1757.920 $\pm$ 0.177 χ^2 /NDF: 1230976.6/85

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.741 ± 0.636 $\chi^2/\text{NDF}: 1230.1/17$

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

Right Out: 21.111 ± 0.603 $\chi^2/\text{NDF}: 570.6/19$

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

Left: -20.714 ± 0.284 $\chi^2/\text{NDF}: 515.7/47$

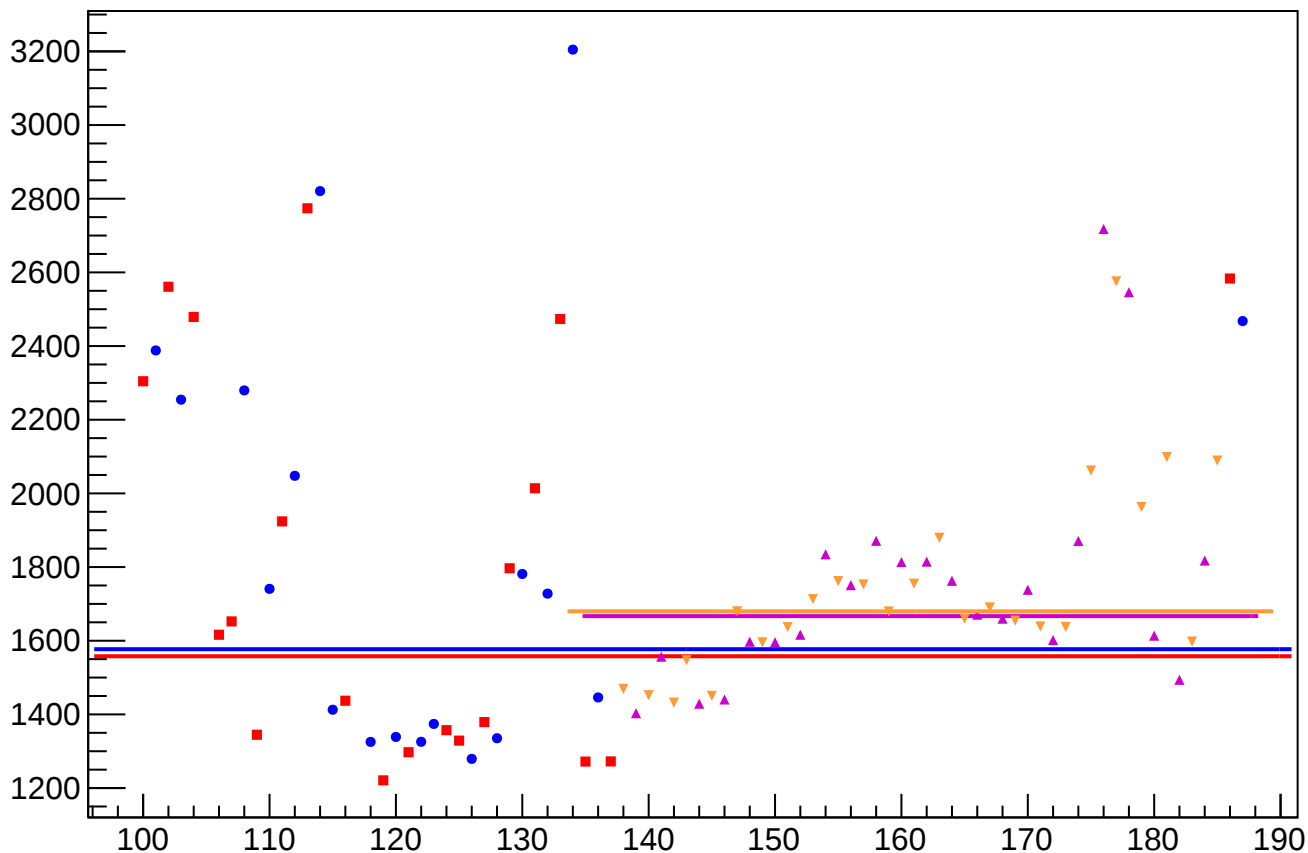
Right: 28.992 ± 0.438 $\chi^2/\text{NDF}: 2160.9/37$

In: -5.807 ± 0.342 $\chi^2/\text{NDF}: 8182.8/40$

Out: -6.197 ± 0.331 $\chi^2/\text{NDF}: 3580.2/44$

All: -6.008 ± 0.238 $\chi^2/\text{NDF}: 11763.7/85$

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1577.016 ± 0.449 $\chi^2/\text{NDF}: 707071.8/17$

Left Out: 1679.814 ± 0.281 $\chi^2/\text{NDF}: 522795.6/24$

Right Out: 1557.869 ± 0.427 $\chi^2/\text{NDF}: 1004398.4/19$

Left In: 1666.819 ± 0.287 $\chi^2/\text{NDF}: 650990.8/22$

Left: 1673.462 ± 0.201 $\chi^2/\text{NDF}: 1174835.7/47$

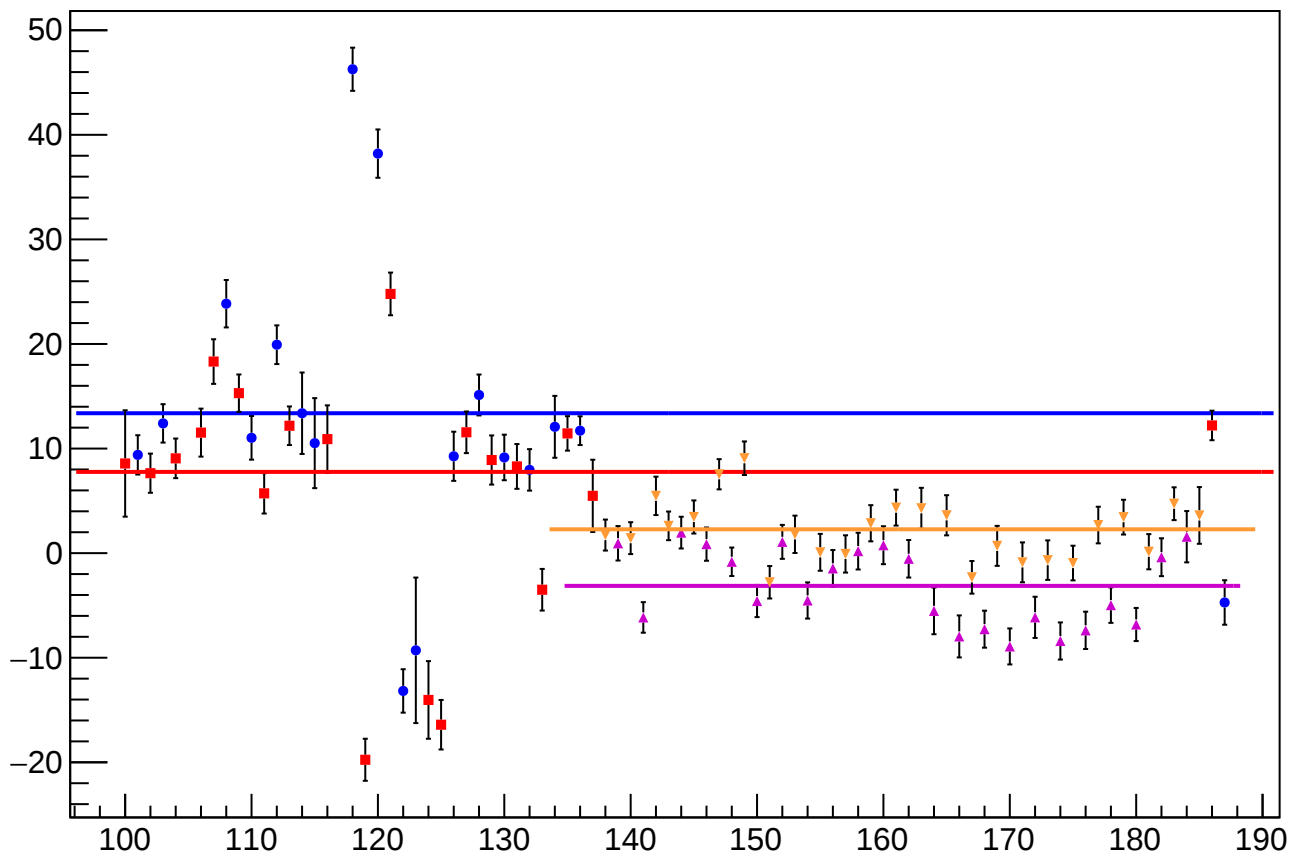
Right: 1566.942 ± 0.309 $\chi^2/\text{NDF}: 1712425.0/37$

In: 1640.827 ± 0.242 $\chi^2/\text{NDF}: 1386430.6/40$

Out: 1642.999 ± 0.234 $\chi^2/\text{NDF}: 1584252.6/44$

All: 1641.947 ± 0.168 $\chi^2/\text{NDF}: 2970724.8/85$

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 13.378 ± 0.509 $\chi^2/\text{NDF}: 673.3/17$

Left Out: 2.280 ± 0.338 $\chi^2/\text{NDF}: 75.6/24$

Right Out: 7.769 ± 0.467 $\chi^2/\text{NDF}: 500.1/19$

Left In: -3.129 ± 0.358 $\chi^2/\text{NDF}: 103.4/22$

Left: -0.274 ± 0.246 $\chi^2/\text{NDF}: 299.7/47$

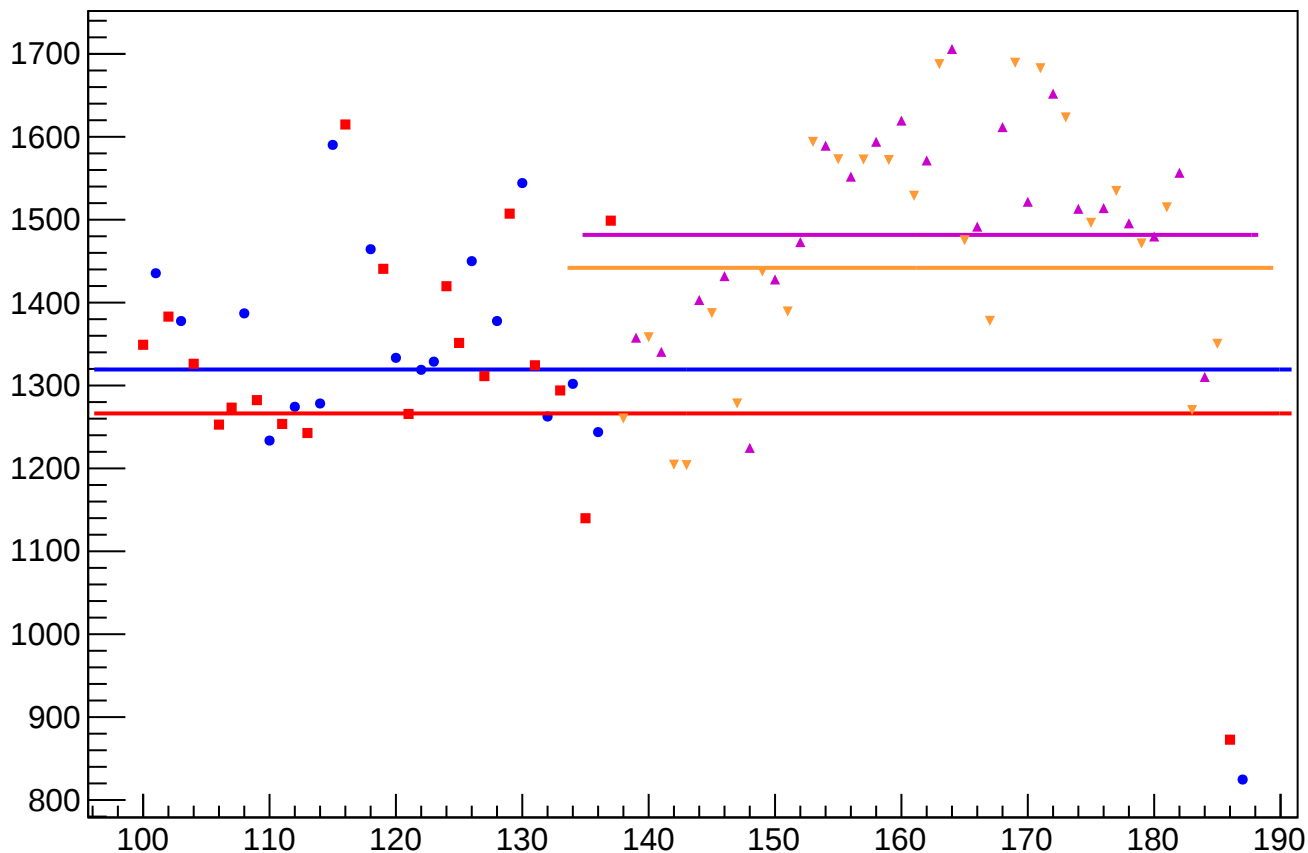
Right: 10.336 ± 0.344 $\chi^2/\text{NDF}: 1239.3/37$

In: 2.329 ± 0.293 $\chi^2/\text{NDF}: 1481.1/40$

Out: 4.167 ± 0.274 $\chi^2/\text{NDF}: 666.2/44$

All: 3.308 ± 0.200 $\chi^2/\text{NDF}: 2168.3/85$

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1319.321 ± 0.360 $\chi^2/\text{NDF}: 179344.8/17$

Left Out: 1441.951 ± 0.239 $\chi^2/\text{NDF}: 370617.4/24$

Right Out: 1266.316 ± 0.330 $\chi^2/\text{NDF}: 255260.9/19$

Left In: 1481.695 ± 0.253 $\chi^2/\text{NDF}: 208470.6/22$

Left: 1460.716 ± 0.174 $\chi^2/\text{NDF}: 592125.7/47$

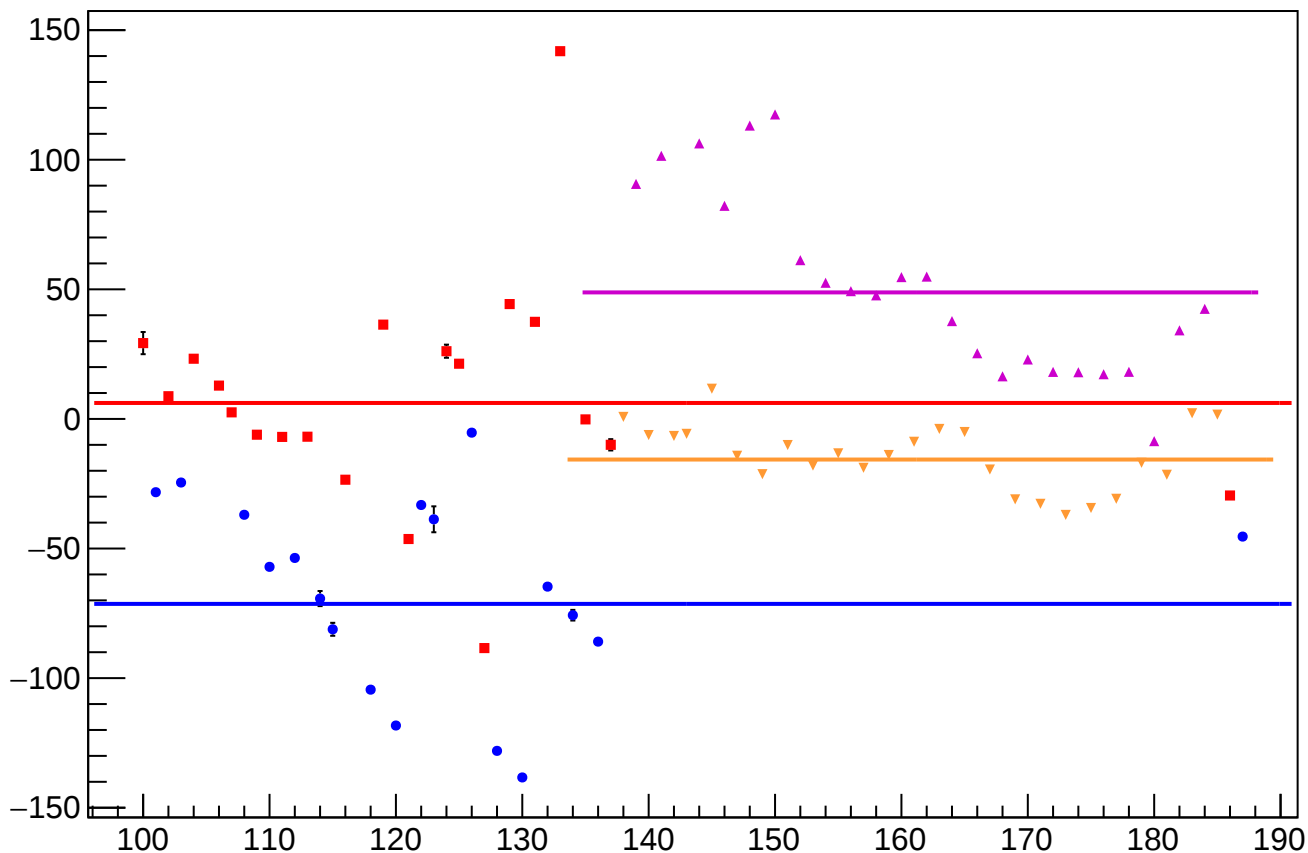
Right: 1290.571 ± 0.243 $\chi^2/\text{NDF}: 446376.7/37$

In: 1428.007 ± 0.207 $\chi^2/\text{NDF}: 524130.2/40$

Out: 1381.581 ± 0.194 $\chi^2/\text{NDF}: 811231.7/44$

All: 1403.273 ± 0.141 $\chi^2/\text{NDF}: 1362186.9/85$

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -71.357 ± 0.354 $\chi^2/\text{NDF}: 11876.4/17$

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

Right Out: 6.159 ± 0.333 $\chi^2/\text{NDF}: 19558.8/19$

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

Left: 15.324 ± 0.152 $\chi^2/\text{NDF}: 73443.2/47$

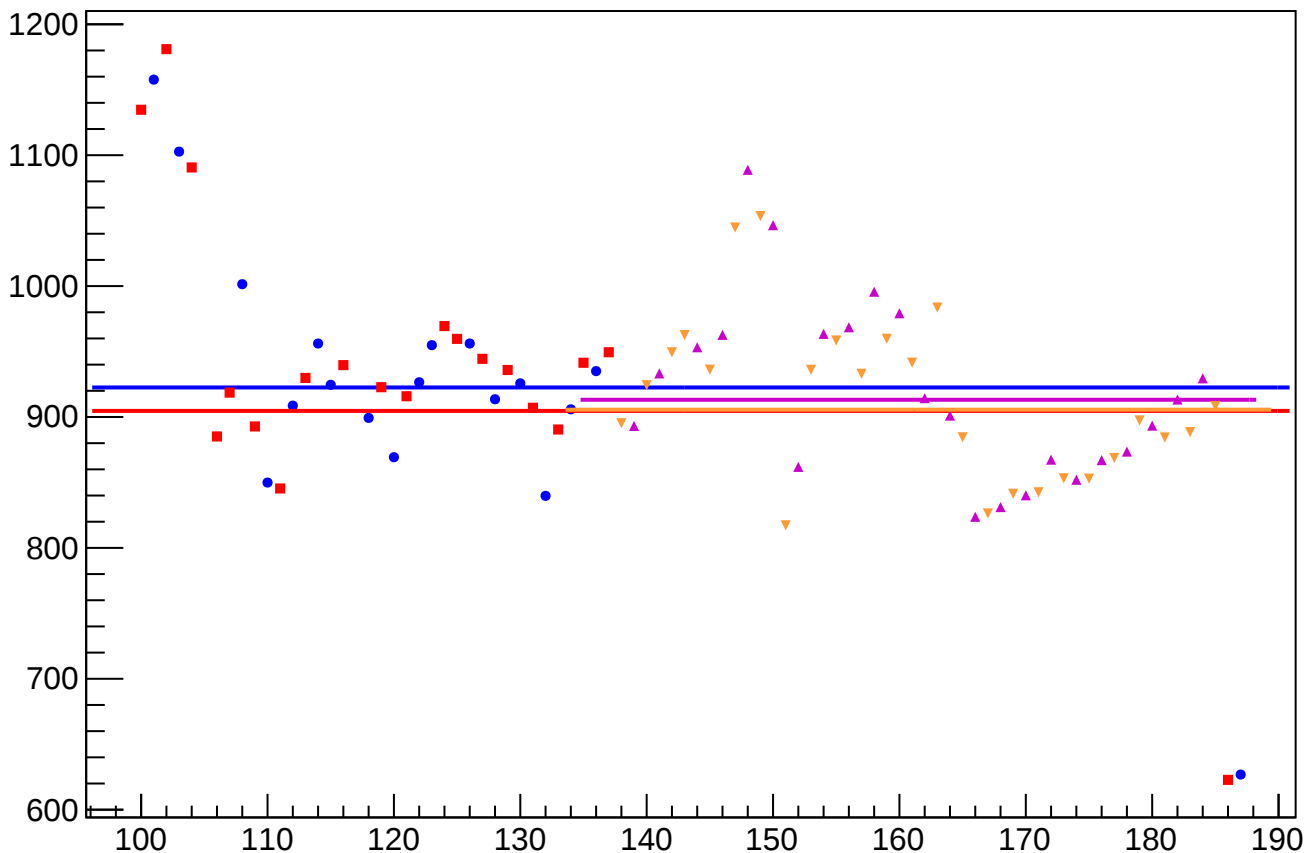
Right: -30.223 ± 0.243 $\chi^2/\text{NDF}: 56855.9/37$

In: 15.381 ± 0.187 $\chi^2/\text{NDF}: 120237.1/40$

Out: -9.394 ± 0.179 $\chi^2/\text{NDF}: 26136.6/44$

All: 2.435 ± 0.129 $\chi^2/\text{NDF}: 155565.8/85$

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 922.557 $\pm$ 0.250 χ^2 /NDF: 168929.1/17

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

Right Out: 904.655 $\pm$ 0.236 χ^2 /NDF: 266339.6/19

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

Left: 909.225 $\pm$ 0.108 χ^2 /NDF: 337749.0/47

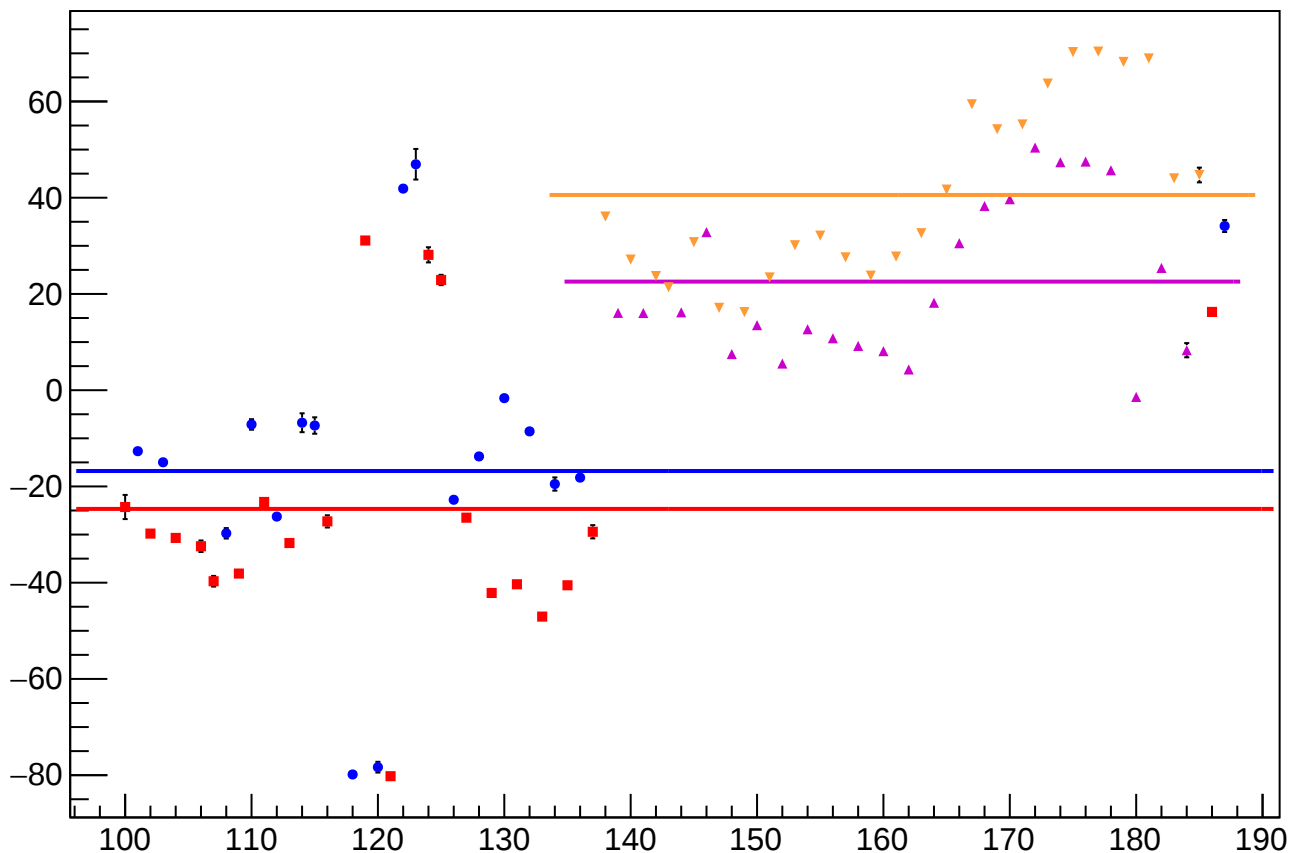
Right: 913.057 $\pm$ 0.172 χ^2 /NDF: 437980.4/37

In: 915.778 $\pm$ 0.132 χ^2 /NDF:344383.1/40

Out: 905.313 $\pm$ 0.126 χ^2 /NDF:428424.1/44

All: 910.309 $\pm$ 0.091 χ^2 /NDF: 776087.2/85

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -16.791 ± 0.239 $\chi^2/\text{NDF}: 14726.8/17$

Left Out: 40.573 ± 0.168 $\chi^2/\text{NDF}: 12079.0/24$

Right Out: -24.668 ± 0.226 $\chi^2/\text{NDF}: 15416.2/19$

Left In: 22.565 ± 0.175 $\chi^2/\text{NDF}: 8167.7/22$

Left: 31.959 ± 0.121 $\chi^2/\text{NDF}: 25752.7/47$

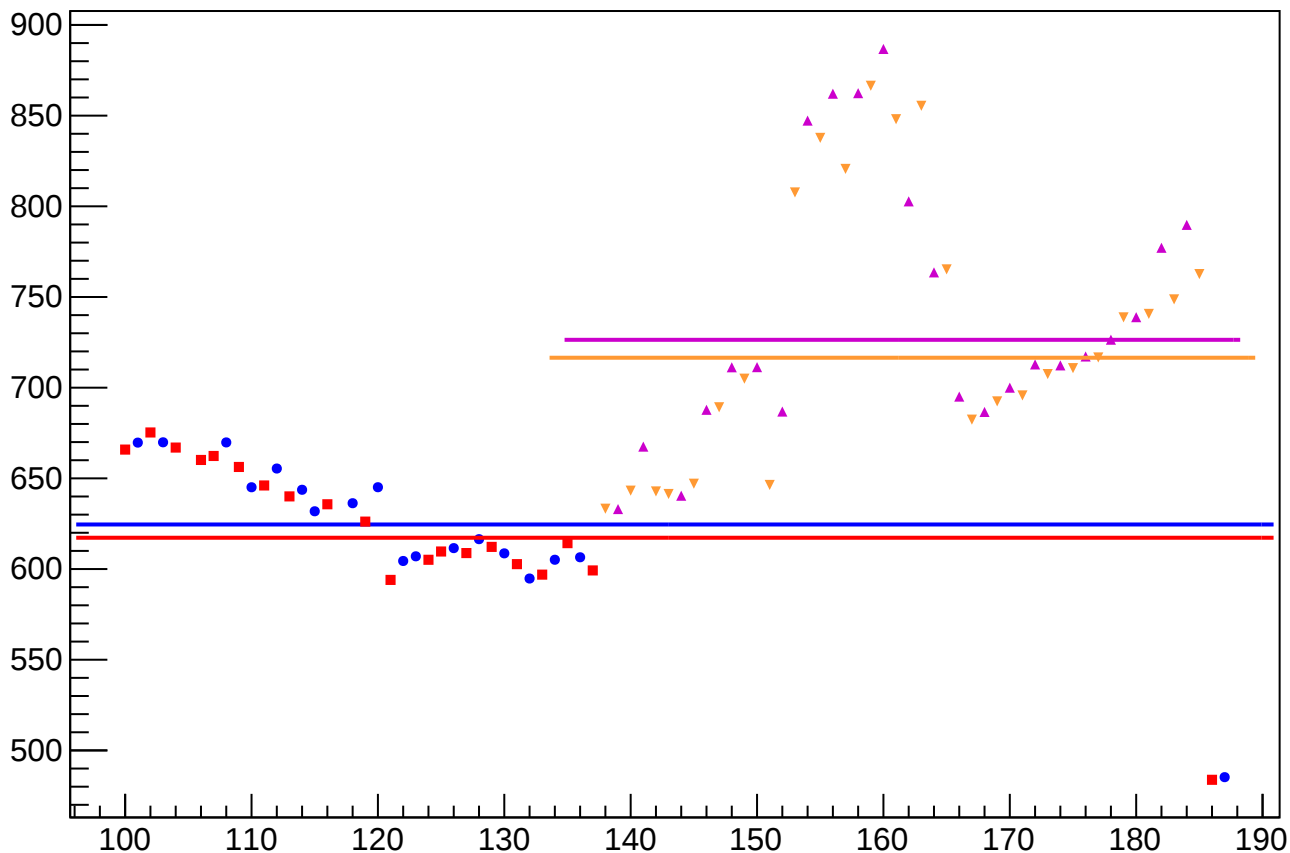
Right: -20.946 ± 0.164 $\chi^2/\text{NDF}: 30717.9/37$

In: 8.772 ± 0.141 $\chi^2/\text{NDF}: 40563.6/40$

Out: 17.357 ± 0.135 $\chi^2/\text{NDF}: 81261.7/44$

All: 13.268 ± 0.097 $\chi^2/\text{NDF}: 123759.9/85$

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 624.571 $\pm$ 0.169 χ^2/NDF : 49121.4/17

Left Out: 716.515 $\pm$ 0.119 χ^2/NDF : 342740.2/24

Right Out: 617.260 $\pm$ 0.160 χ^2/NDF : 89098.3/19

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

Left: 721.238 $\pm$ 0.086 χ^2/NDF : 635840.6/47

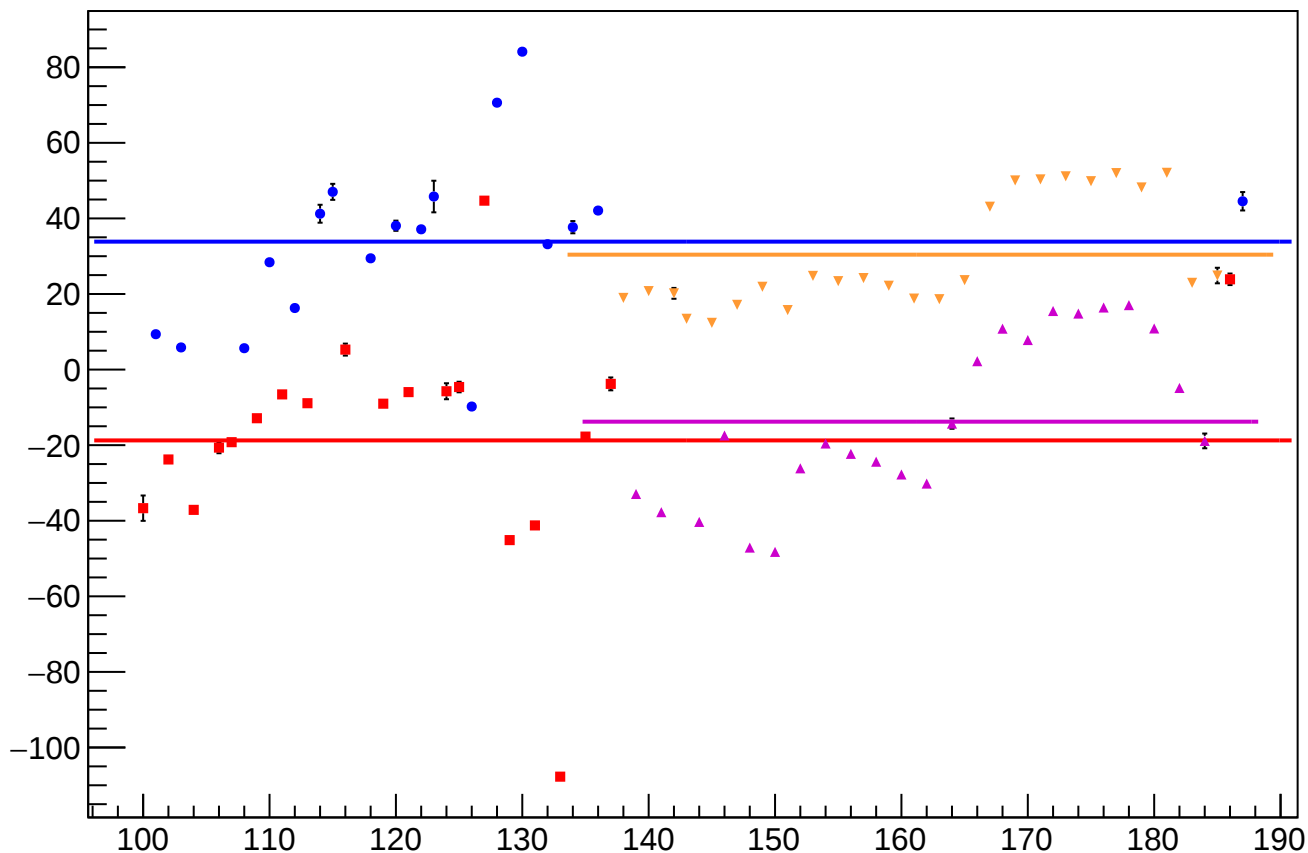
Right: 620.714 $\pm$ 0.116 χ^2/NDF : 139210.3/37

In: 690.704 $\pm$ 0.100 χ^2/NDF : 575431.2/40

Out: 681.195 $\pm$ 0.095 χ^2/NDF : 680731.0/44

All: 685.724 $\pm$ 0.069 χ^2/NDF : 1260908.9/85

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 33.855+/-0.298 χ^2/NDF : 6447.7/17

Left Out: 30.408+/-0.237 χ^2/NDF : 3808.0/24

Right Out: -18.743+/-0.288 χ^2/NDF : 12086.4/19

Left In: -13.787+/-0.246 χ^2/NDF : 7979.7/22

Left: 9.082+/-0.171 χ^2/NDF : 28511.9/47

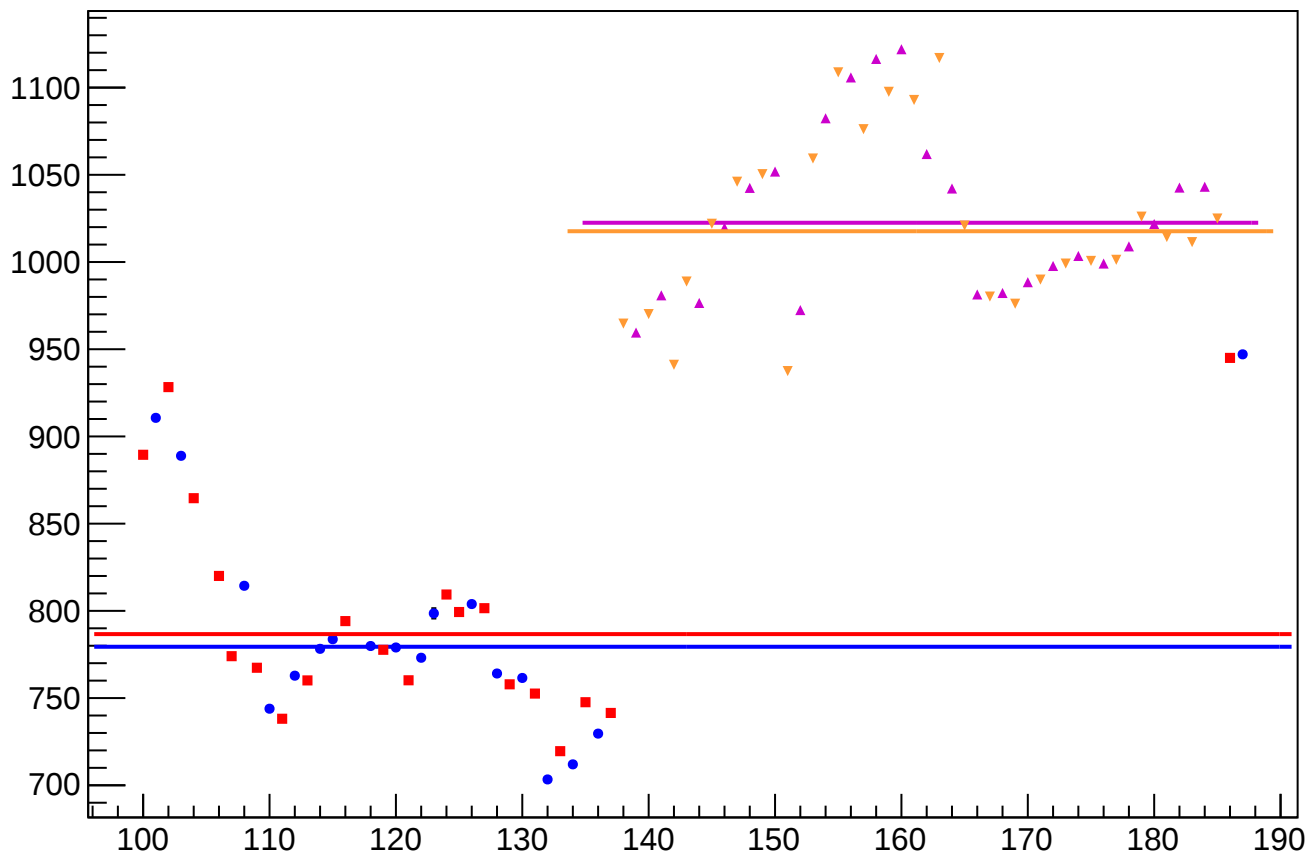
Right: 6.623+/-0.207 χ^2/NDF : 34644.1/37

In: 5.492+/-0.190 χ^2/NDF : 29625.7/40

Out: 10.505+/-0.183 χ^2/NDF : 33252.6/44

All: 8.086+/-0.132 χ^2/NDF : 63239.8/85

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 779.420 $\pm$ 0.211 χ^2 /NDF: 77067.5/17

Left Out: 1017.653 $\pm$ 0.168 χ^2 /NDF: 83612.5/24

Right Out: 786.673 $\pm$ 0.203 χ^2 /NDF: 79606.1/19

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

Left: 1019.997 $\pm$ 0.121 χ^2 /NDF: 153652.2/47

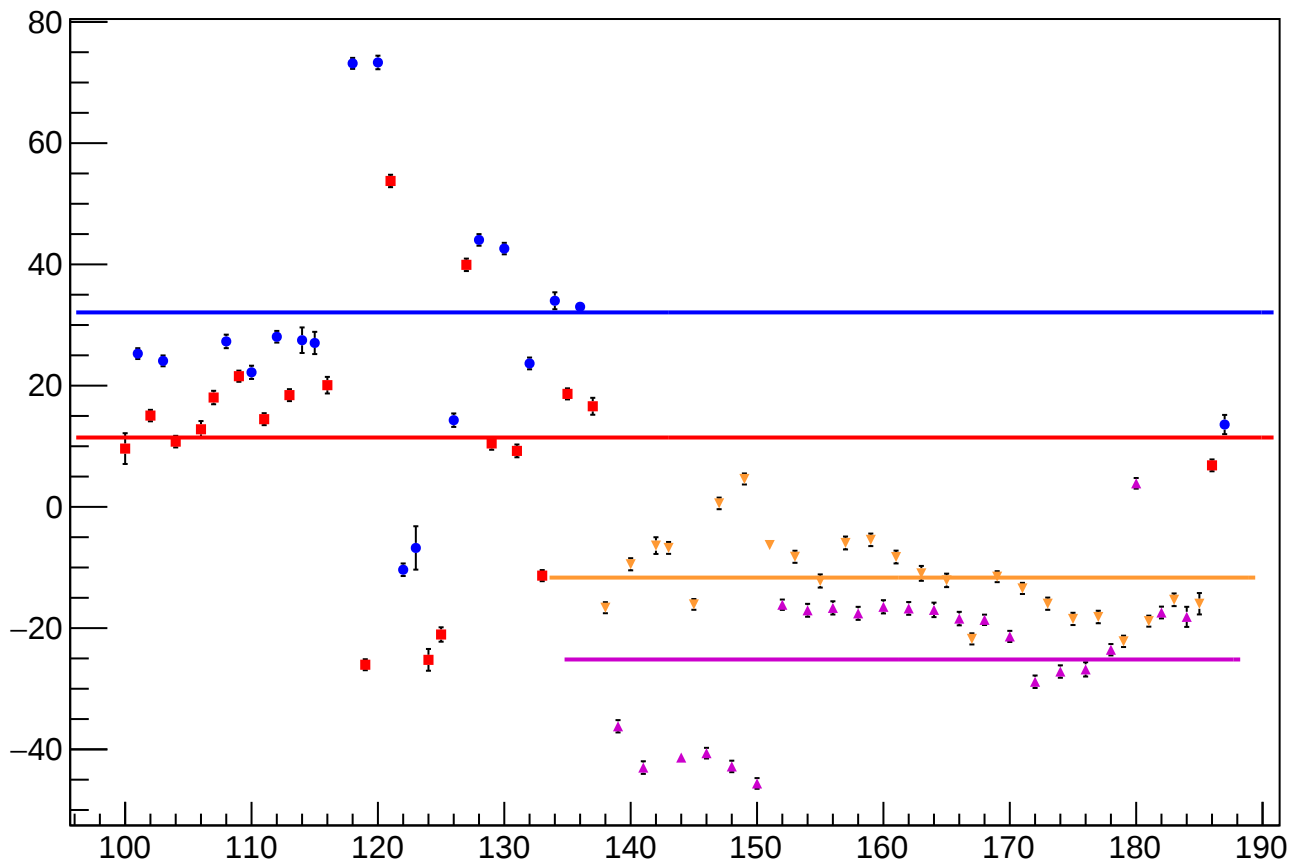
Right: 783.175 $\pm$ 0.146 χ^2 /NDF: 157286.4/37

In: 924.142 $\pm$ 0.134 χ^2 /NDF: 938102.3/40

Out: 924.121 $\pm$ 0.129 χ^2 /NDF: 929885.9/44

All: 924.131 $\pm$ 0.093 χ^2 /NDF: 1867988.3/85

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.079 $\pm$ 0.250 χ^2/NDF : 6216.7/17

Left Out: -11.664 $\pm$ 0.200 χ^2/NDF : 1147.4/24

Right Out: 11.443 $\pm$ 0.240 χ^2/NDF : 6336.7/19

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

Left: -18.184 $\pm$ 0.144 χ^2/NDF : 7090.4/47

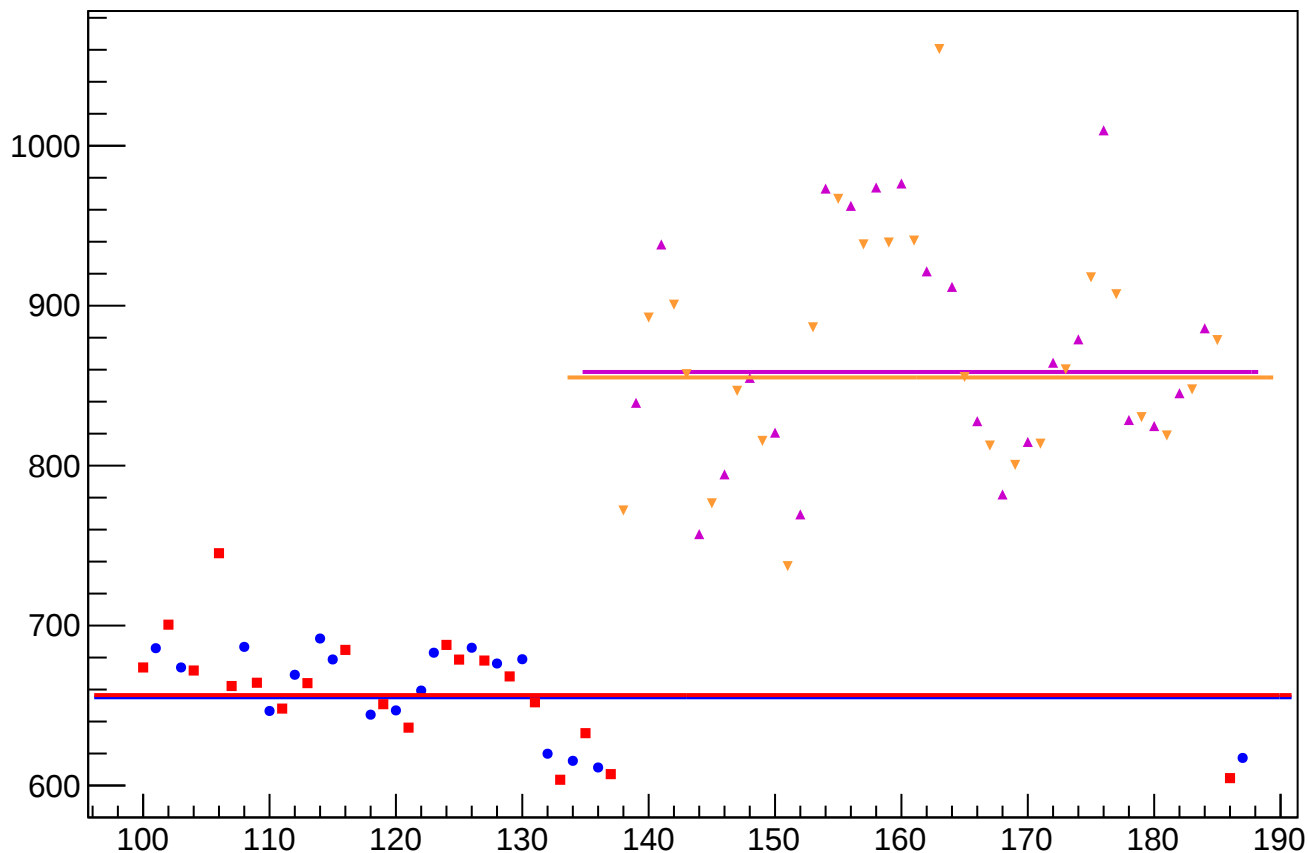
Right: 21.329 $\pm$ 0.173 χ^2/NDF : 16099.2/37

In: -1.851 $\pm$ 0.160 χ^2/NDF : 41014.2/40

Out: -2.172 $\pm$ 0.154 χ^2/NDF : 12951.9/44

All: -2.017 $\pm$ 0.111 χ^2/NDF : 53968.2/85

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 655.167 ± 0.177 χ^2/NDF : 24687.9/17

Left Out: 855.131 ± 0.142 χ^2/NDF : 233746.7/24

Right Out: 656.535 ± 0.170 χ^2/NDF : 34261.9/19

Left In: 858.563 ± 0.147 χ^2/NDF : 239019.8/22

Left: 856.788 ± 0.102 χ^2/NDF : 473049.9/47

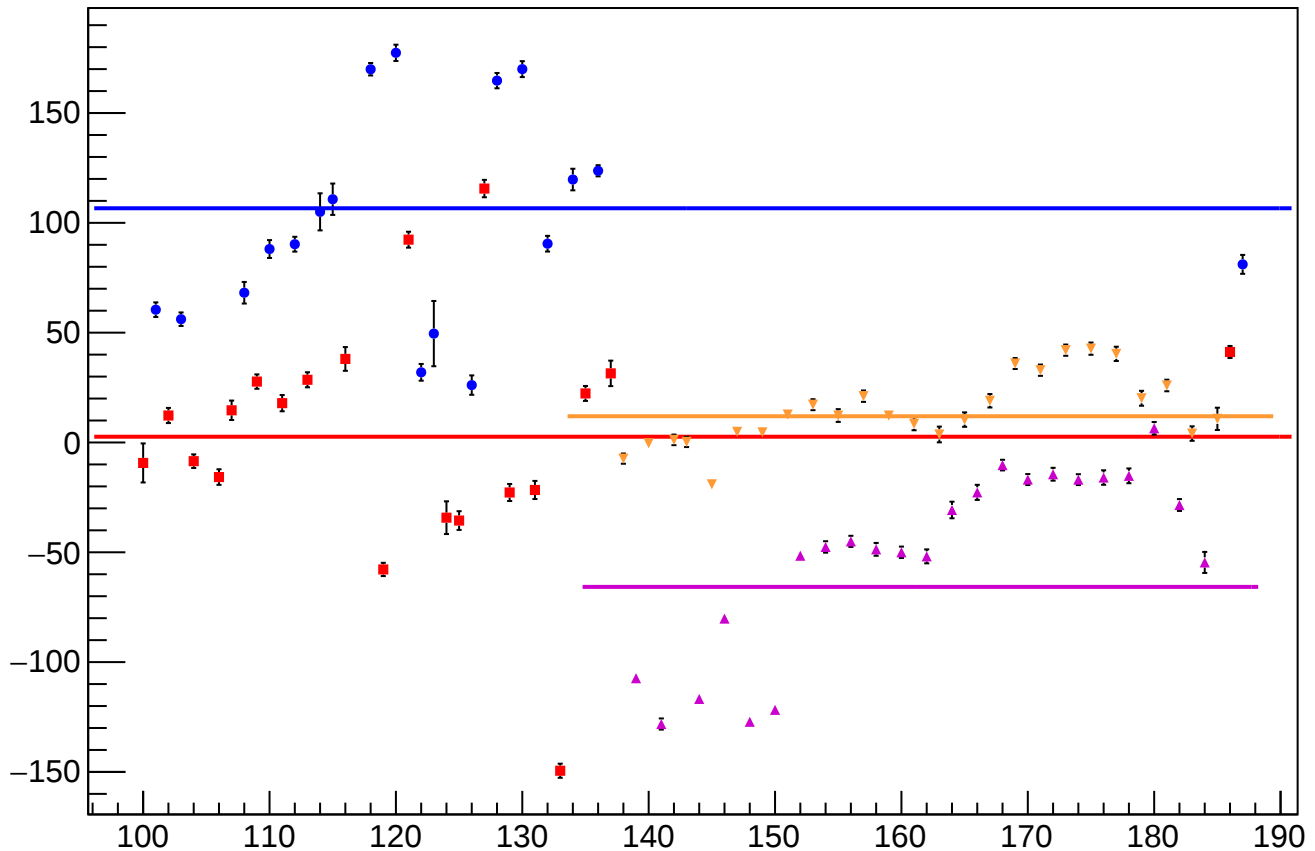
Right: 655.879 ± 0.122 χ^2/NDF : 58981.0/37

In: 775.706 ± 0.113 χ^2/NDF : 1047491.4/40

Out: 773.549 ± 0.109 χ^2/NDF : 1075817.9/44

All: 774.587 ± 0.078 χ^2/NDF : 2123498.8/85

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 106.640 $\pm$ 0.903 χ^2 /NDF: 2852.7/17

Left Out: 11.938 $\pm$ 0.505 χ^2 /NDF: 976.6/24

Right Out: 2.621 $\pm$ 0.842 χ^2 /NDF: 4733.1/19

Left In: -65.752 $\pm$ 0.518 χ^2 /NDF: 7335.8/22

Left: -25.968 $\pm$ 0.362 χ^2 /NDF: 19845.5/47

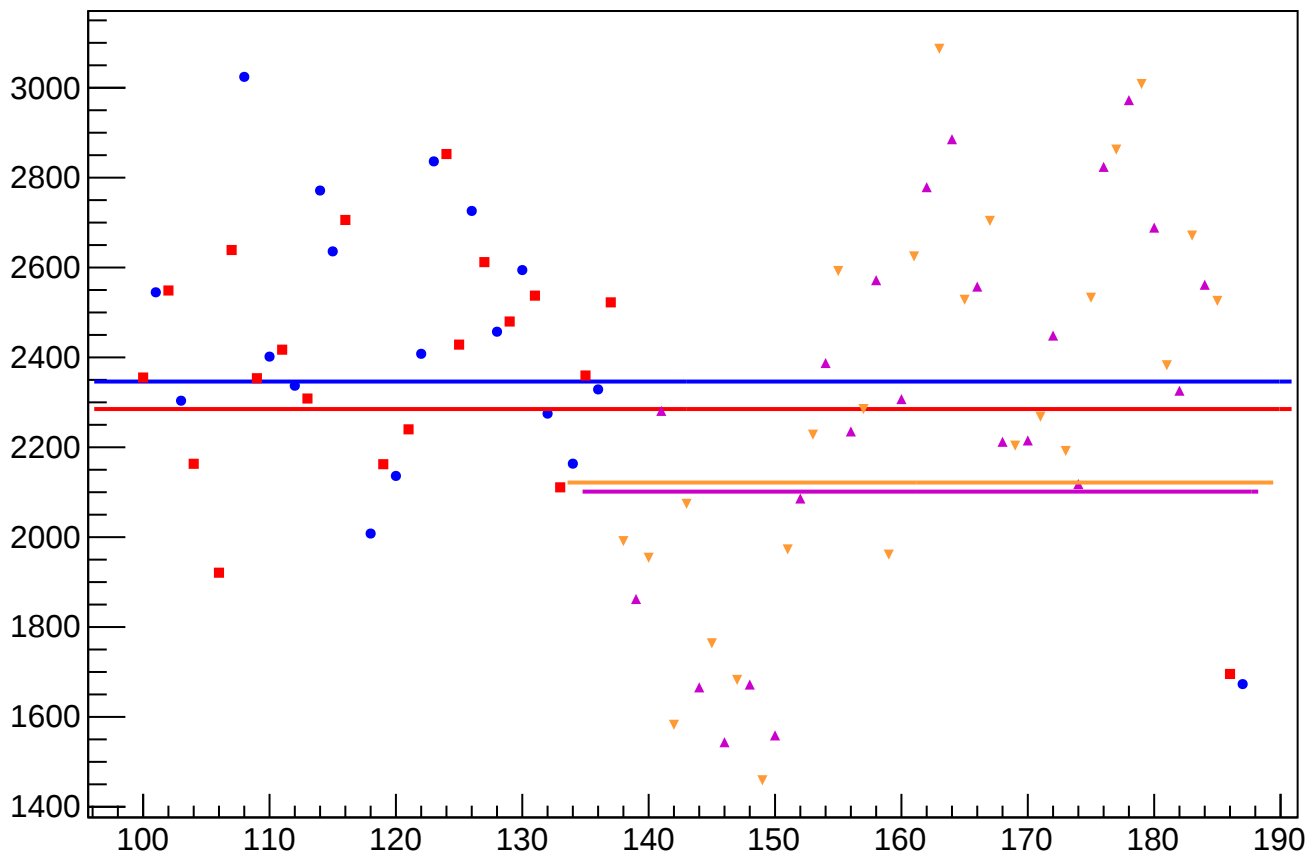
Right: 51.037 $\pm$ 0.616 χ^2 /NDF: 14686.0/37

In: -23.076 $\pm$ 0.449 χ^2 /NDF: 37640.4/40

Out: 9.472 $\pm$ 0.433 χ^2 /NDF: 5799.7/44

All: -6.221 $\pm$ 0.312 χ^2 /NDF: 46160.6/85

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2346.288 $\pm$ 0.638 χ^2/NDF : 170655.7/17

Left Out: 2121.567 $\pm$ 0.357 χ^2/NDF : 1387847.6/24

Right Out: 2285.093 $\pm$ 0.596 χ^2/NDF : 210443.1/19

Left In: 2101.325 $\pm$ 0.366 χ^2/NDF : 1360518.3/22

Left: 2111.691 $\pm$ 0.256 χ^2/NDF : 2749931.8/47

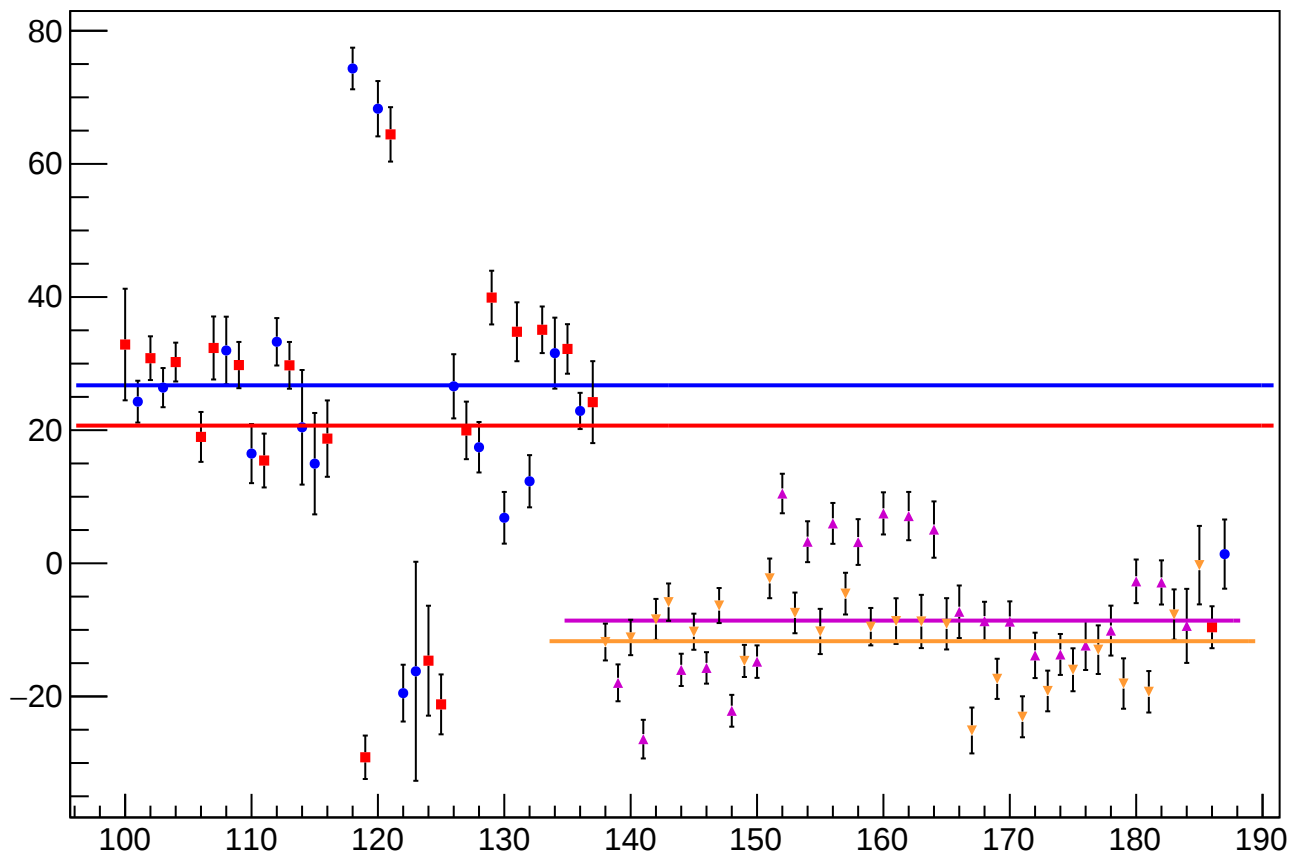
Right: 2313.576 $\pm$ 0.435 χ^2/NDF : 386013.7/37

In: 2161.966 $\pm$ 0.318 χ^2/NDF : 1642033.1/40

Out: 2164.854 $\pm$ 0.306 χ^2/NDF : 1653732.3/44

All: 2163.461 $\pm$ 0.220 χ^2/NDF : 3295808.2/85

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 26.738 ± 0.960 $\chi^2/\text{NDF}: 541.7/17$

Left Out: -11.700 ± 0.625 $\chi^2/\text{NDF}: 85.0/24$

Right Out: 20.688 ± 0.891 $\chi^2/\text{NDF}: 648.8/19$

Left In: -8.606 ± 0.642 $\chi^2/\text{NDF}: 264.2/22$

Left: -10.193 ± 0.448 $\chi^2/\text{NDF}: 361.1/47$

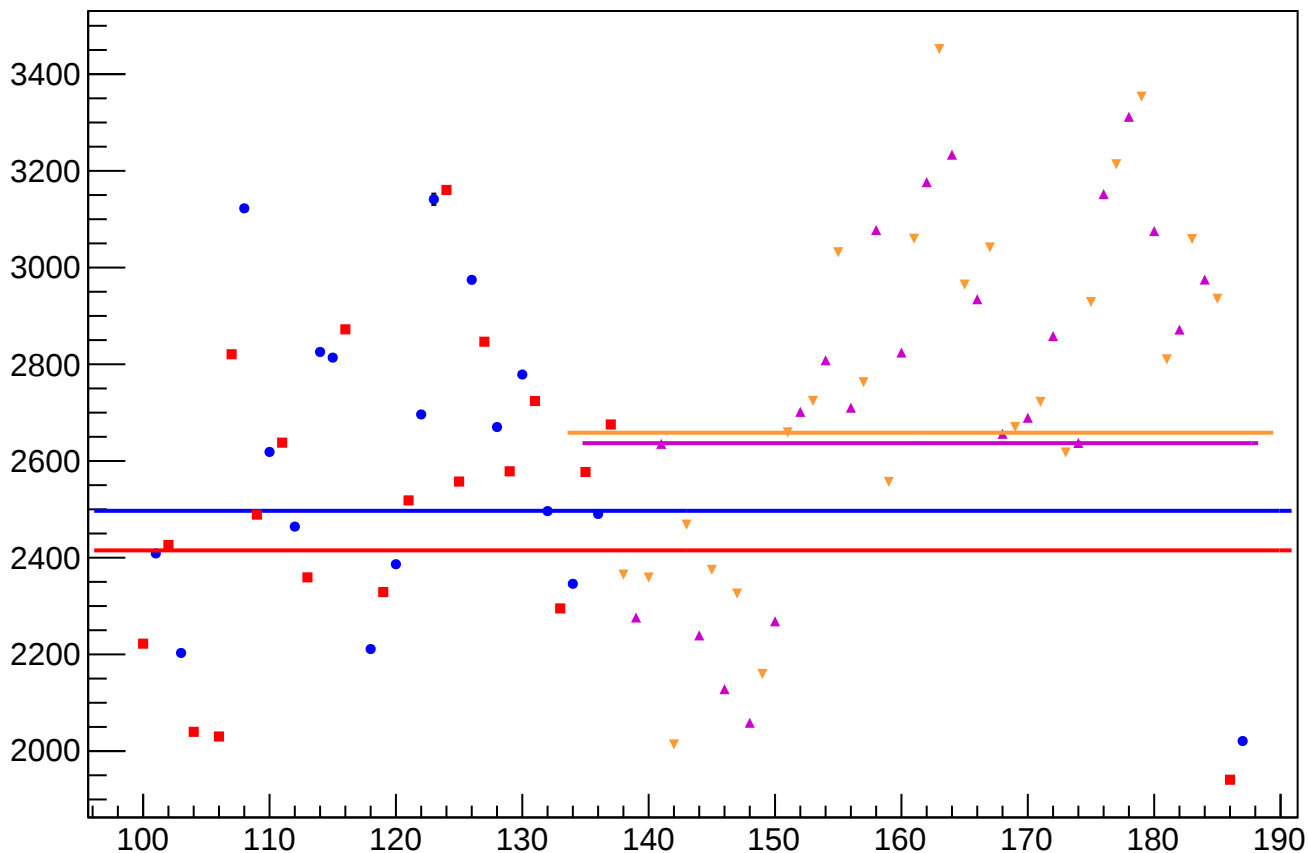
Right: 23.488 ± 0.653 $\chi^2/\text{NDF}: 1211.9/37$

In: 2.321 ± 0.534 $\chi^2/\text{NDF}: 1743.2/40$

Out: -1.003 ± 0.512 $\chi^2/\text{NDF}: 1619.5/44$

All: 0.590 ± 0.369 $\chi^2/\text{NDF}: 3382.9/85$

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2496.962 $\pm$ 0.679 χ^2 /NDF: 138237.9/17

Left Out: 2658.486 $\pm$ 0.442 χ^2 /NDF: 618133.8/24

Right Out: 2415.101 $\pm$ 0.630 χ^2 /NDF: 199197.7/19

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

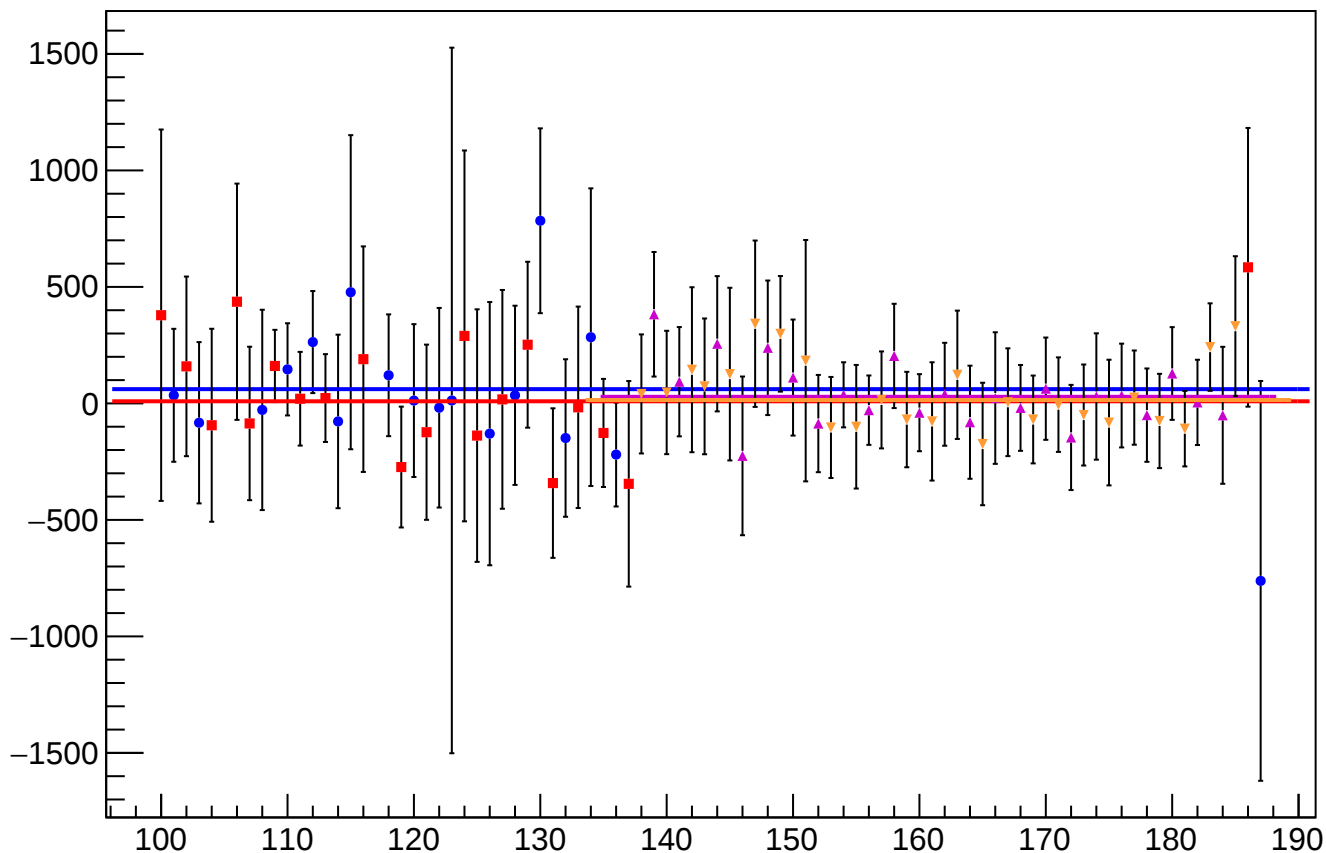
Right: 2452.984 $\pm$ 0.462 χ^2 /NDF: 345255.2/37

In: 2593.625 $\pm$ 0.377 χ^2 /NDF: 820511.4/40

Out: 2578.098 $\pm$ 0.362 χ^2 /NDF: 917363.4/44

All: 2585.540 $\pm$ 0.261 χ^2 /NDF: 1738756.9/85

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 61.219 $\pm$ 78.904 χ^2 /NDF: 8.3/17

Left Out: 14.520 $\pm$ 47.528 χ^2 /NDF: 7.8/24

Right Out: 9.074 $\pm$ 69.516 χ^2 /NDF: 7.4/19

Left In: 28.310 $\pm$ 44.638 χ^2 /NDF: 6.3/22

Left: 21.847 $\pm$ 32.538 χ^2 /NDF: 14.1/47

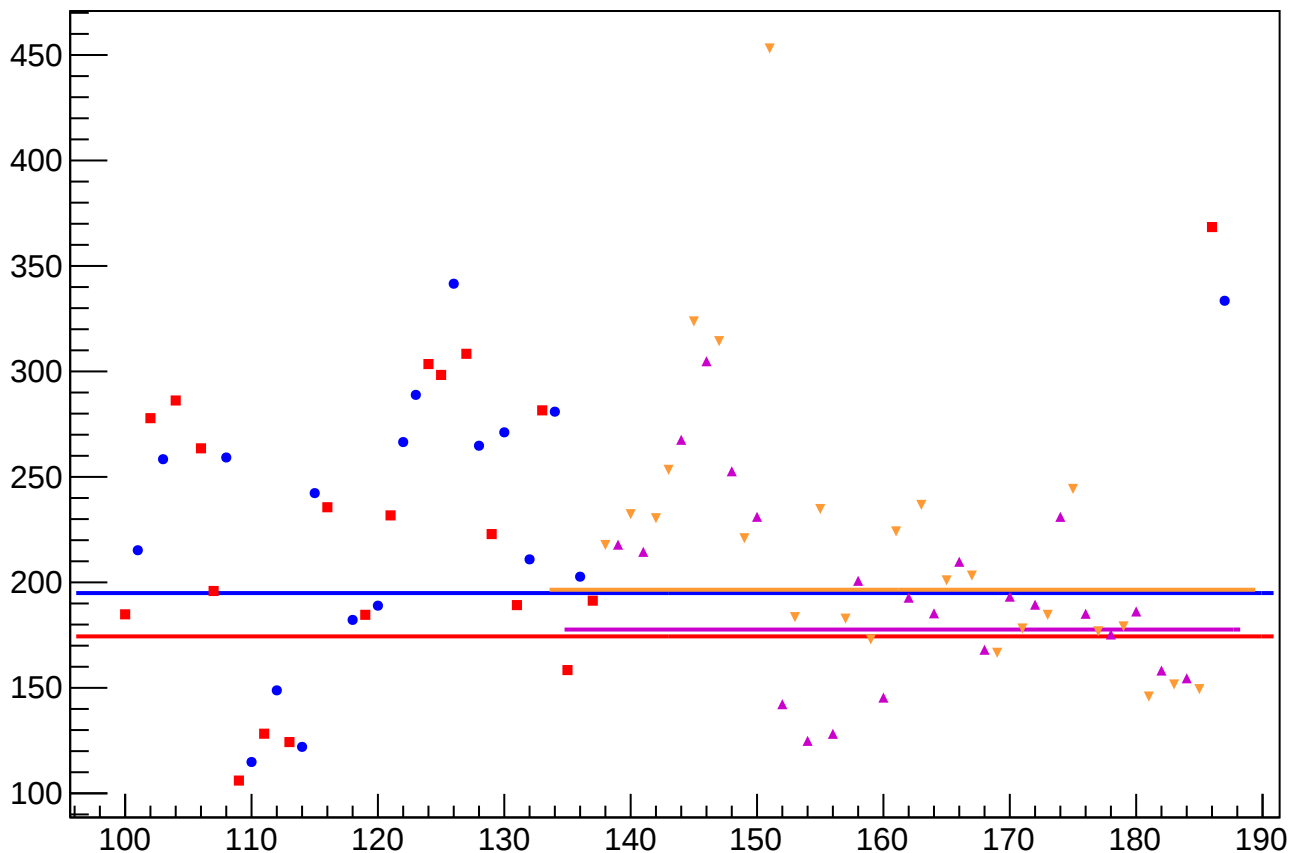
Right: 31.861 $\pm$ 52.160 χ^2 /NDF: 16.0/37

In: 36.289 $\pm$ 38.852 χ^2 /NDF: 14.8/40

Out: 12.785 $\pm$ 39.235 χ^2 /NDF: 15.2/44

All: 24.652 $\pm$ 27.607 χ^2 /NDF: 30.1/85

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.931 $\pm$ 0.056 χ^2 /NDF: 1063725.8/17

Left Out: 196.514 $\pm$ 0.034 χ^2 /NDF: 1789504.4/24

Right Out: 174.398 $\pm$ 0.049 χ^2 /NDF: 1784755.5/19

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

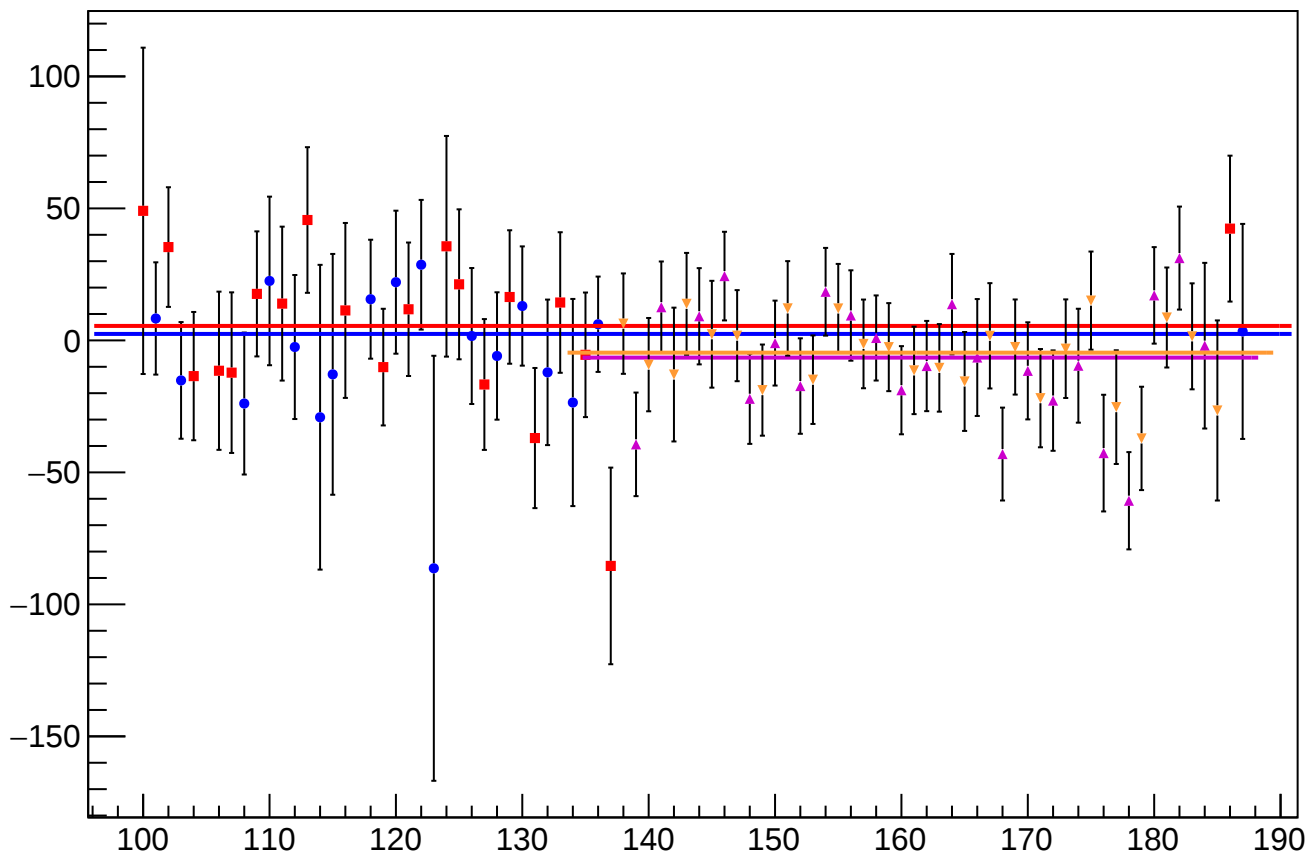
Right: 183.371 $\pm$ 0.037 χ^2 /NDF: 2924733.2/37

In: 181.835 $\pm$ 0.027 χ^2 /NDF: 2767119.1/40

Out: 189.469 $\pm$ 0.028 χ^2 /NDF: 3712211.7/44

All: 185.614 $\pm$ 0.020 χ^2 /NDF: 6517564.1/85

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.447 ± 6.361 χ^2/NDF : 6.8/17

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

Right Out: 5.481 ± 6.137 χ^2/NDF : 19.0/19

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

Left: -5.561 ± 2.670 χ^2/NDF : 48.6/47

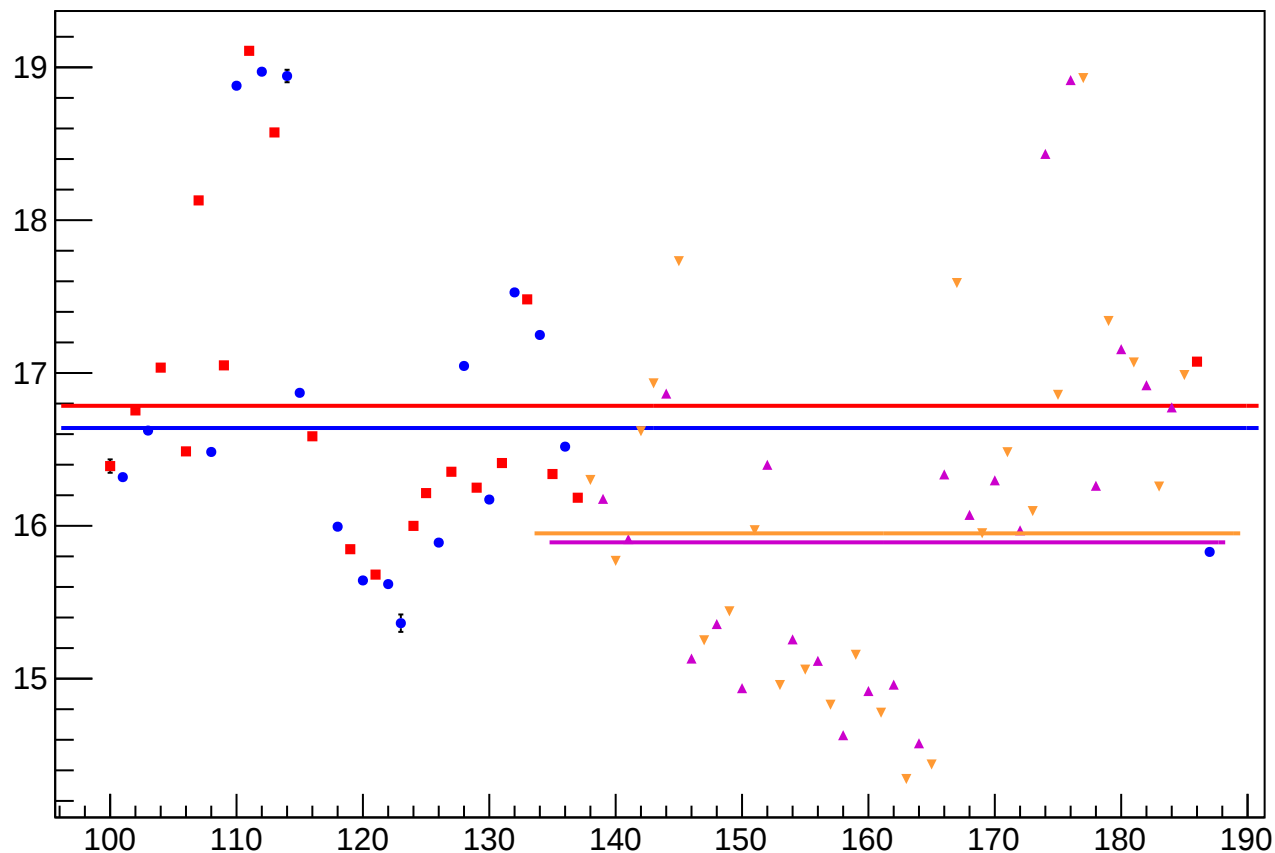
Right: 4.018 ± 4.417 χ^2/NDF : 26.0/37

In: -4.141 ± 3.280 χ^2/NDF : 44.7/40

Out: -1.916 ± 3.186 χ^2/NDF : 33.0/44

All: -2.996 ± 2.285 χ^2/NDF : 78.0/85

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.640 $\pm$ 0.004 χ^2 /NDF: 43081.7/17

Left Out: 15.951 $\pm$ 0.003 χ^2 /NDF:173458.5/24

Right Out: 16.785 $\pm$ 0.004 χ^2 /NDF: 39489.1/19

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

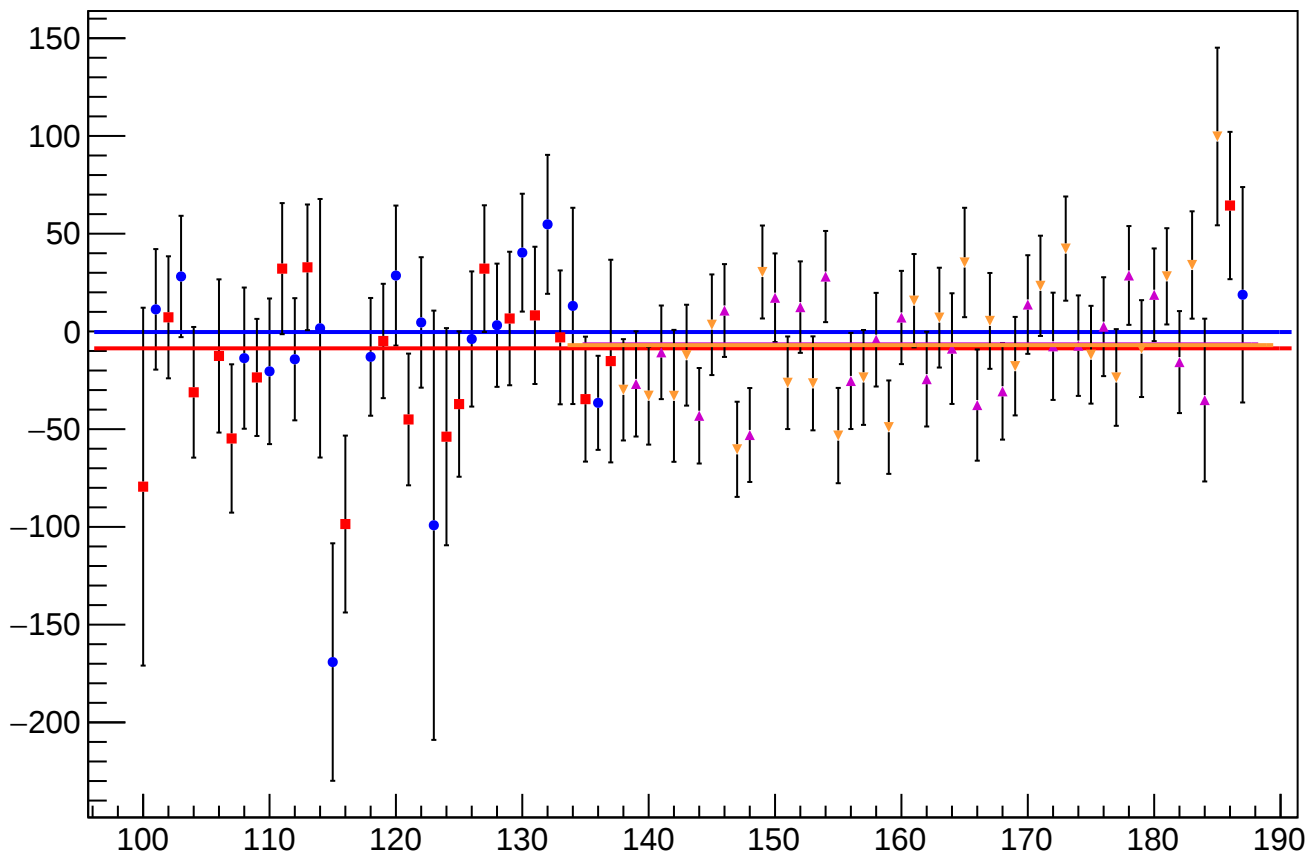
Right: 16.715 $\pm$ 0.003 χ^2 /NDF: 83111.4/37

In: 16.091 $\pm$ 0.002 χ^2 /NDF:210485.1/40

Out: 16.176 $\pm$ 0.002 χ^2 /NDF:239968.5/44

All: 16.134 $\pm$ 0.002 χ^2 /NDF: 451143.9/85

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.310 ± 8.406 $\chi^2/\text{NDF}: 17.7/17$

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

Right Out: -8.651 ± 8.039 $\chi^2/\text{NDF}: 19.0/19$

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

Left: -6.820 ± 3.666 $\chi^2/\text{NDF}: 56.6/47$

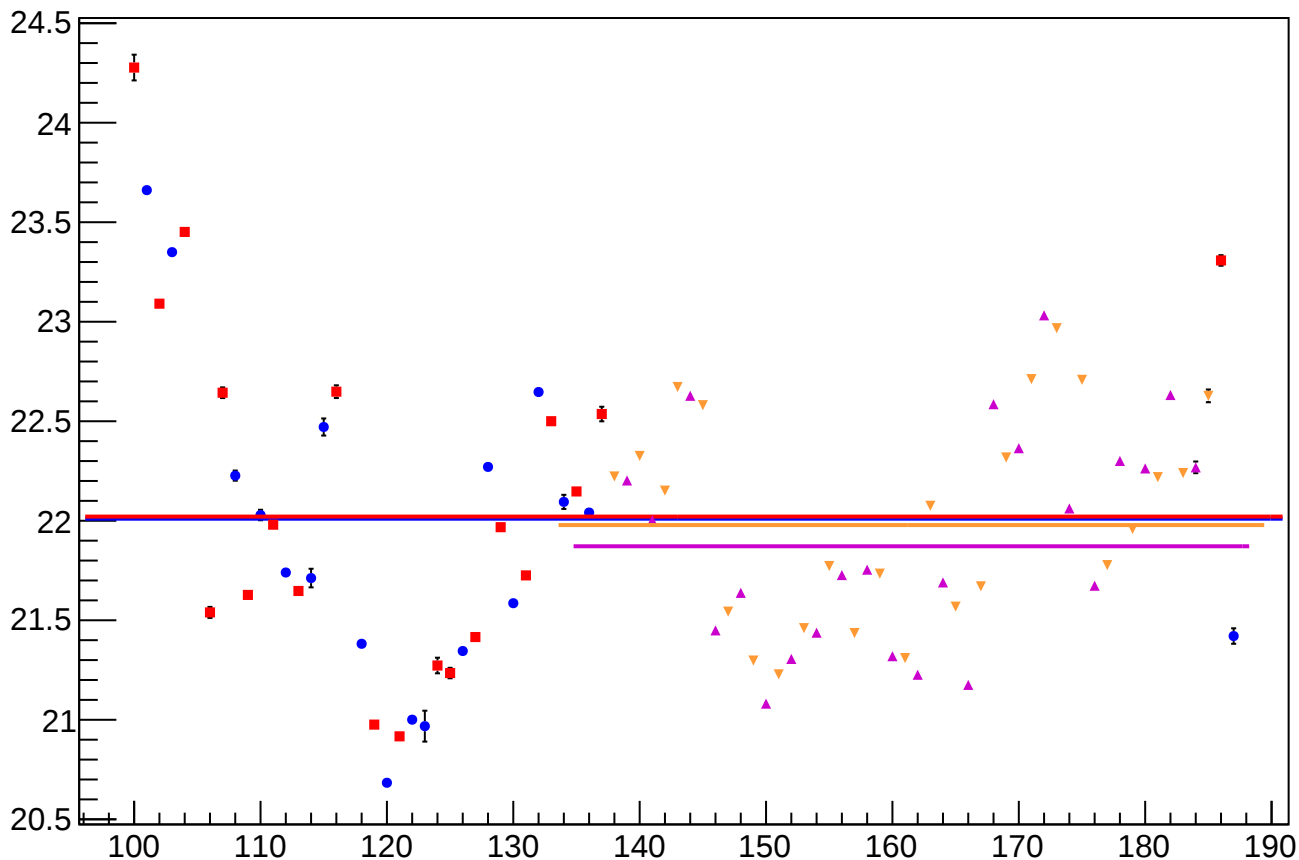
Right: -4.666 ± 5.810 $\chi^2/\text{NDF}: 37.2/37$

In: -4.843 ± 4.454 $\chi^2/\text{NDF}: 37.2/40$

Out: -7.489 ± 4.319 $\chi^2/\text{NDF}: 56.5/44$

All: -6.206 ± 3.101 $\chi^2/\text{NDF}: 93.9/85$

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.010 $\pm$ 0.006 χ^2 /NDF: 17615.5/17

Left Out: 21.978 $\pm$ 0.004 χ^2 /NDF:19430.2/24

Right Out: 22.021 $\pm$ 0.006 χ^2 /NDF: 18827.9/19

Left In: 21.872 $\pm$ 0.004 χ^2 /NDF:20524.9/22

Left: 21.926 $\pm$ 0.003 χ^2 /NDF: 40377.5/47

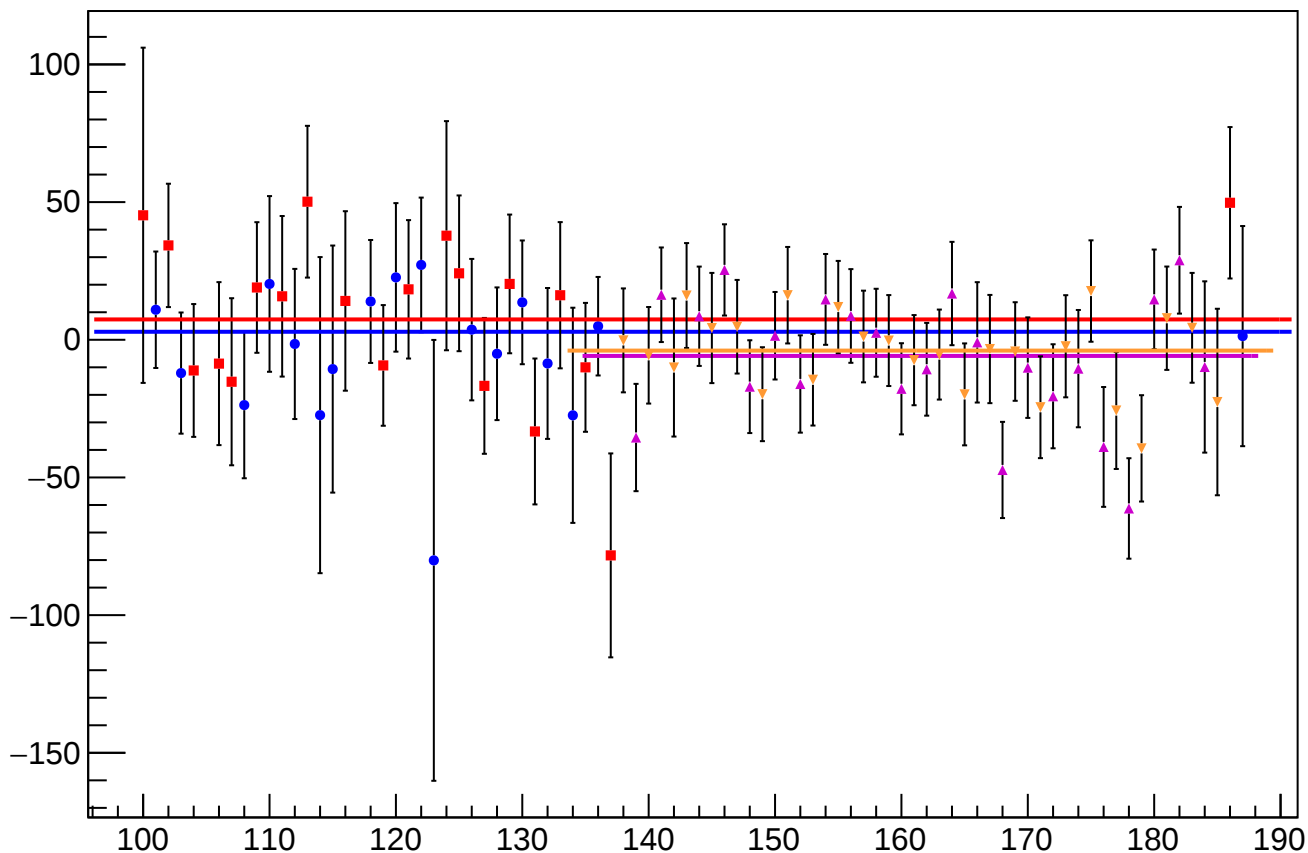
Right: 22.016 $\pm$ 0.004 χ^2 /NDF: 36445.0/37

In: 21.911 $\pm$ 0.003 χ^2 /NDF:38531.7/40

Out: 21.991 $\pm$ 0.003 χ^2 /NDF:38298.0/44

All: 21.952 $\pm$ 0.002 χ^2 /NDF: 77162.1/85

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.908 $\pm$ 6.323 χ^2 /NDF: 6.3/17

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

Right Out: 7.394 $\pm$ 6.102 χ^2 /NDF: 19.7/19

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

Left: -4.869 $\pm$ 2.642 χ^2 /NDF: 50.3/47

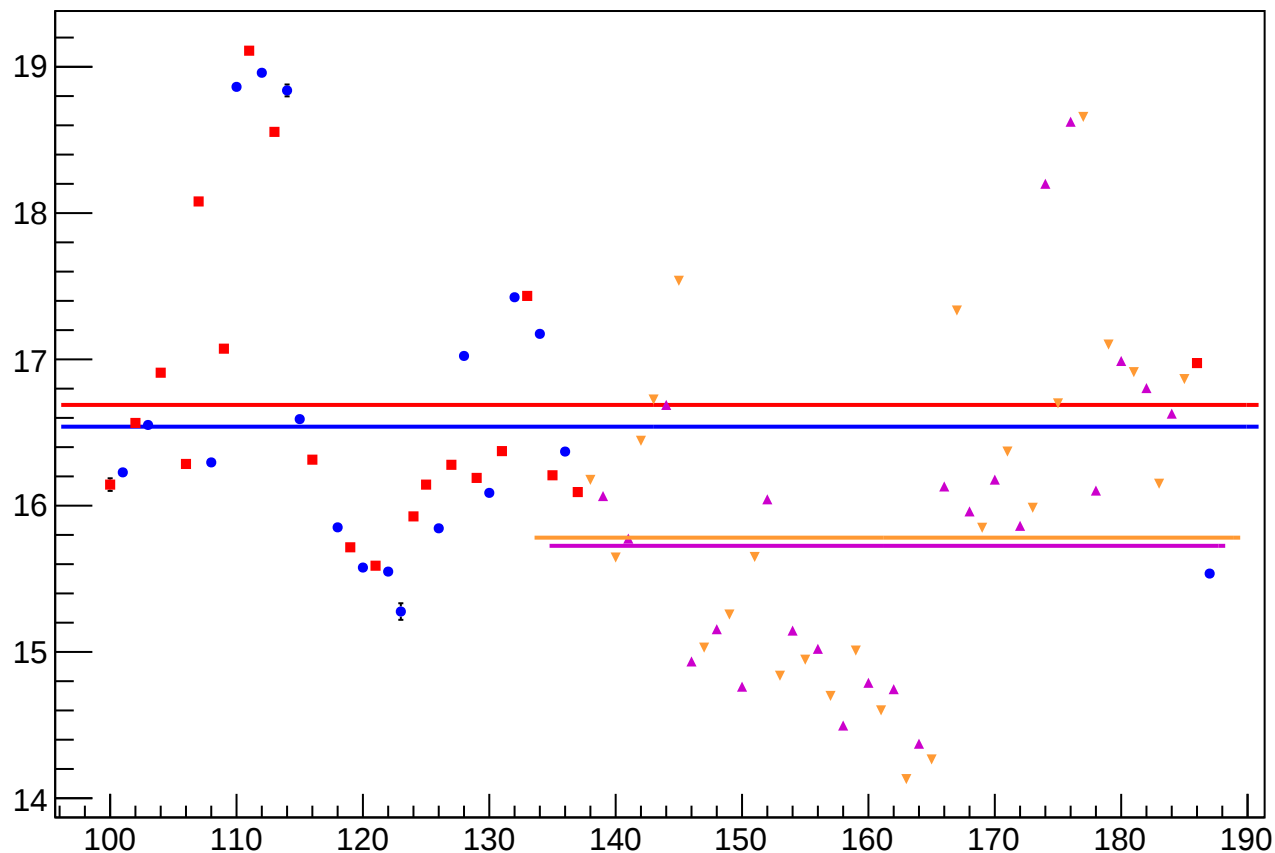
Right: 5.231 $\pm$ 4.391 χ^2 /NDF: 26.2/37

In: -3.546 $\pm$ 3.249 χ^2 /NDF:43.9/40

Out: -0.899 $\pm$ 3.156 χ^2 /NDF:36.2/44

All: -2.184 $\pm$ 2.264 χ^2 /NDF: 80.4/85

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.540 $\pm$ 0.004 χ^2 /NDF: 45537.3/17

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

Right Out: 16.689 $\pm$ 0.004 χ^2 /NDF: 42681.2/19

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

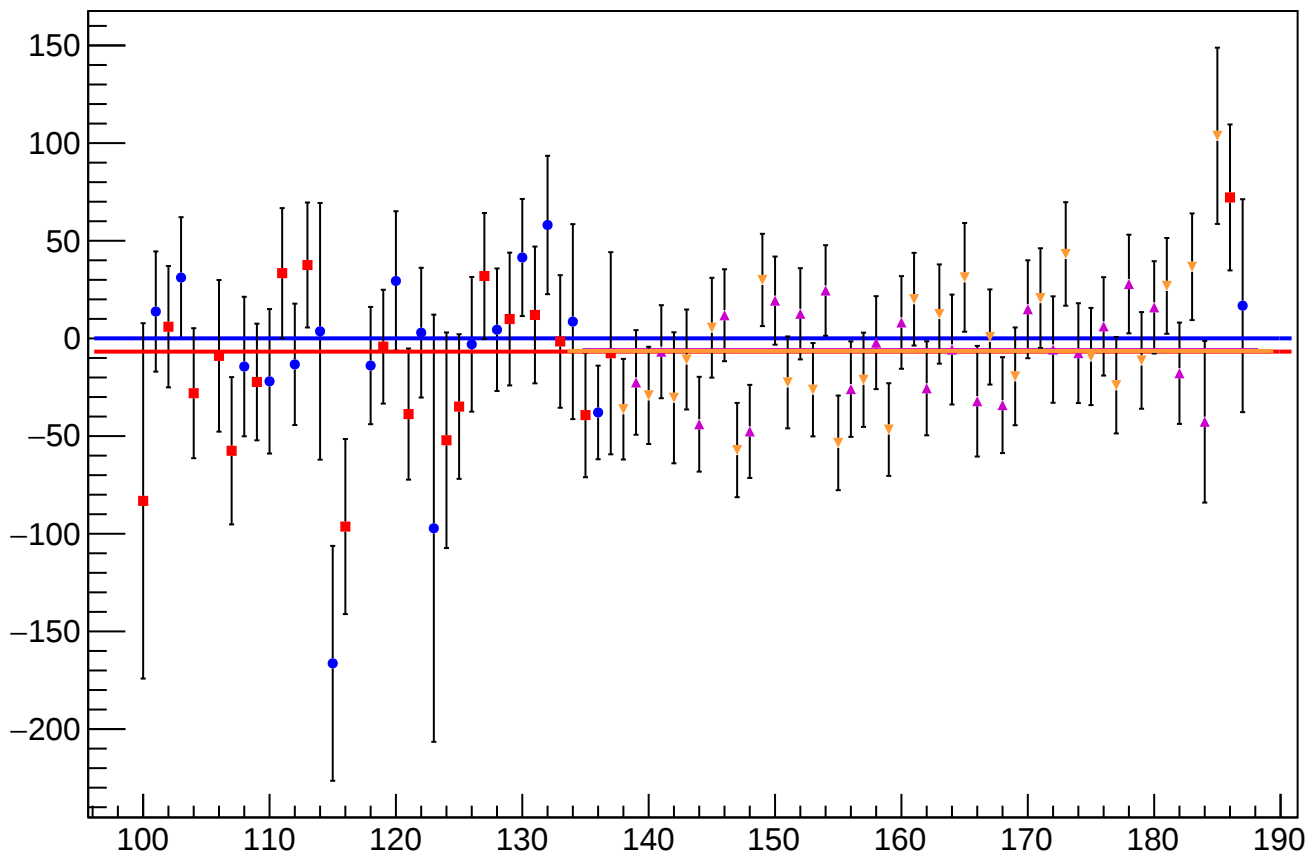
Right: 16.617 $\pm$ 0.003 χ^2 /NDF: 88791.3/37

In: 15.940 $\pm$ 0.002 χ^2 /NDF:215794.7/40

Out: 16.024 $\pm$ 0.002 χ^2 /NDF:247963.5/44

All: 15.983 $\pm$ 0.002 χ^2 /NDF: 464439.6/85

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.045 ± 8.364 $\chi^2/\text{NDF}: 18.5/17$

Left Out: -6.404 ± 5.091 $\chi^2/\text{NDF}: 37.4/24$

Right Out: -6.757 ± 7.997 $\chi^2/\text{NDF}: 20.4/19$

Left In: -5.978 ± 5.222 $\chi^2/\text{NDF}: 18.5/22$

Left: -6.196 ± 3.646 $\chi^2/\text{NDF}: 55.9/47$

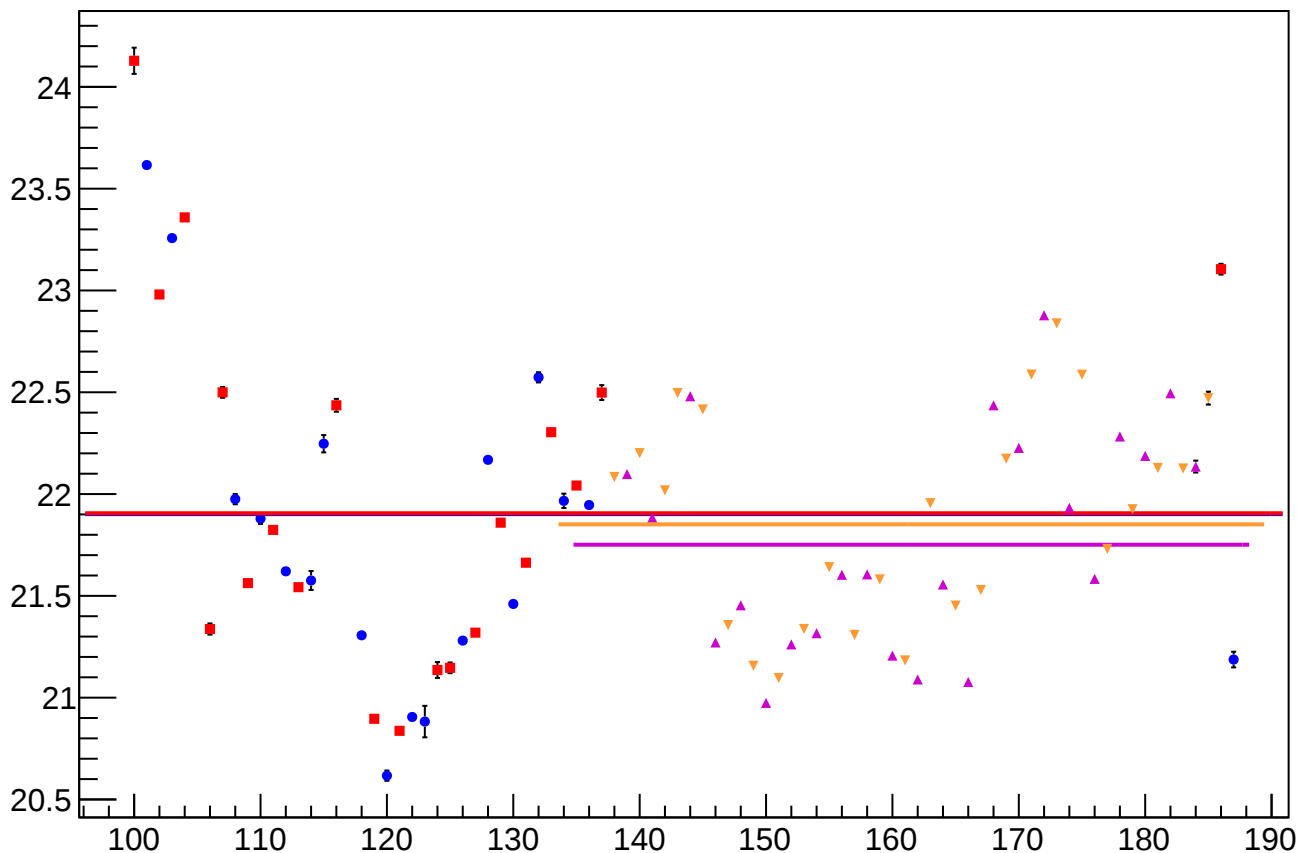
Right: -3.509 ± 5.780 $\chi^2/\text{NDF}: 39.3/37$

In: -4.288 ± 4.430 $\chi^2/\text{NDF}: 37.4/40$

Out: -6.506 ± 4.295 $\chi^2/\text{NDF}: 57.8/44$

All: -5.431 ± 3.084 $\chi^2/\text{NDF}: 95.4/85$

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.901 $\pm$ 0.006 χ^2 /NDF: 17993.6/17

Left Out: 21.851 $\pm$ 0.004 χ^2 /NDF:19631.8/24

Right Out: 21.906 $\pm$ 0.006 χ^2 /NDF: 18190.5/19

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

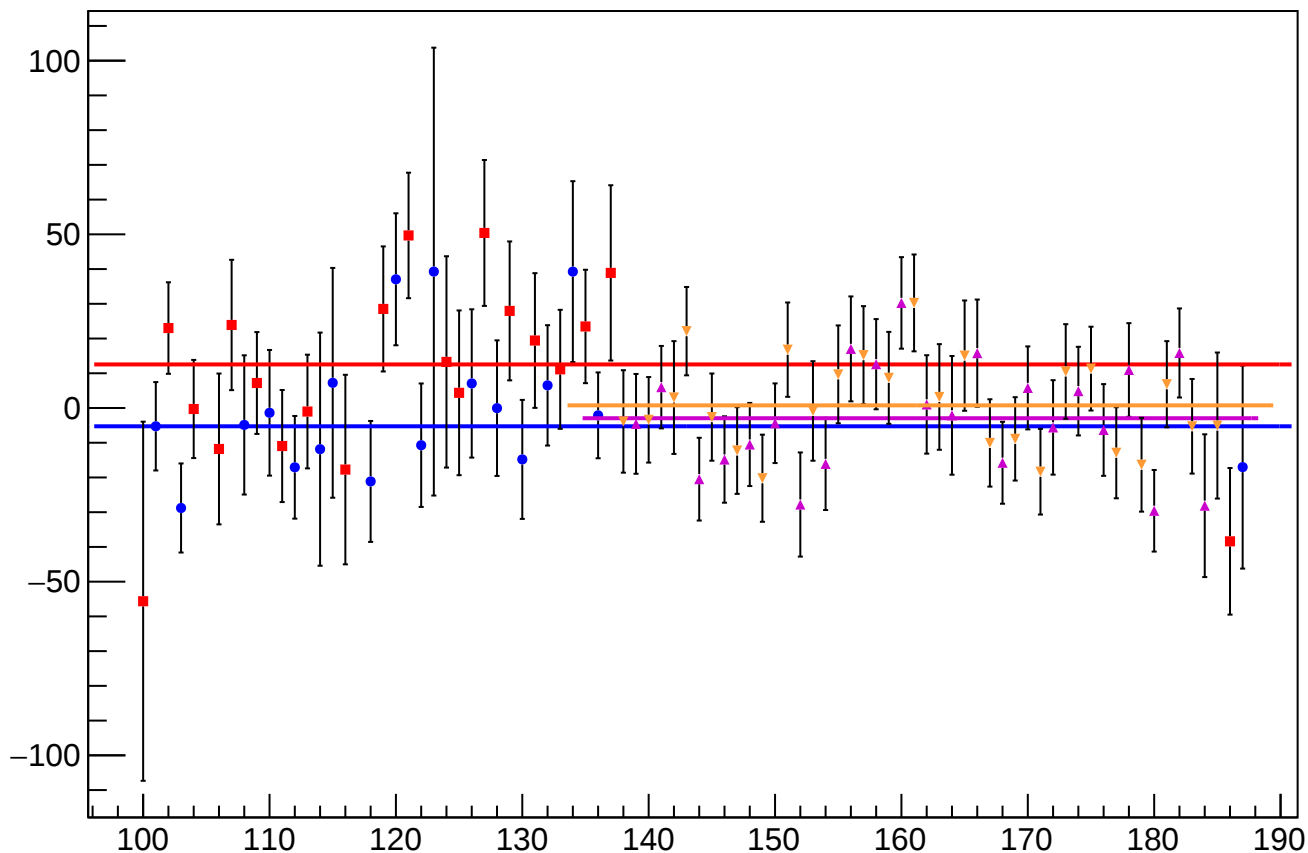
Right: 21.904 $\pm$ 0.004 χ^2 /NDF: 36184.3/37

In: 21.793 $\pm$ 0.003 χ^2 /NDF:38974.3/40

Out: 21.867 $\pm$ 0.003 χ^2 /NDF:37888.6/44

All: 21.831 $\pm$ 0.002 χ^2 /NDF: 77146.9/85

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.268 ± 4.287 $\chi^2/\text{NDF}: 14.9/17$

Left Out: 0.759 ± 2.698 $\chi^2/\text{NDF}: 23.8/24$

Right Out: 12.545 ± 4.186 $\chi^2/\text{NDF}: 25.5/19$

Left In: -2.944 ± 2.757 $\chi^2/\text{NDF}: 30.9/22$

Left: -1.053 ± 1.929 $\chi^2/\text{NDF}: 55.7/47$

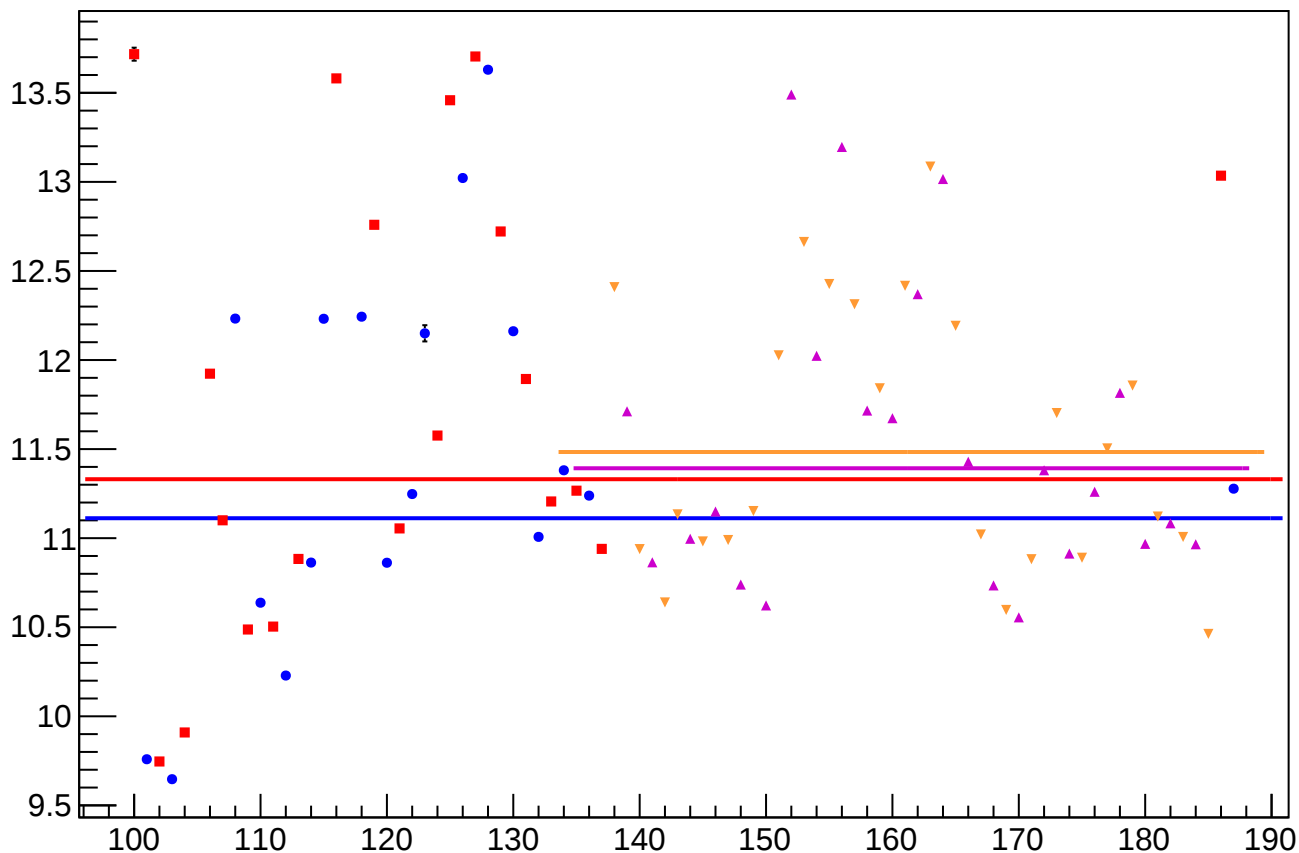
Right: 3.852 ± 2.995 $\chi^2/\text{NDF}: 49.2/37$

In: -3.624 ± 2.319 $\chi^2/\text{NDF}: 46.1/40$

Out: 4.219 ± 2.268 $\chi^2/\text{NDF}: 54.9/44$

All: 0.385 ± 1.621 $\chi^2/\text{NDF}: 106.8/85$

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.112 $\pm$ 0.003 χ^2 /NDF: 132660.5/17

Left Out: 11.484 $\pm$ 0.002 χ^2 /NDF:129805.4/24

Right Out: 11.331 $\pm$ 0.003 χ^2 /NDF: 162016.3/19

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

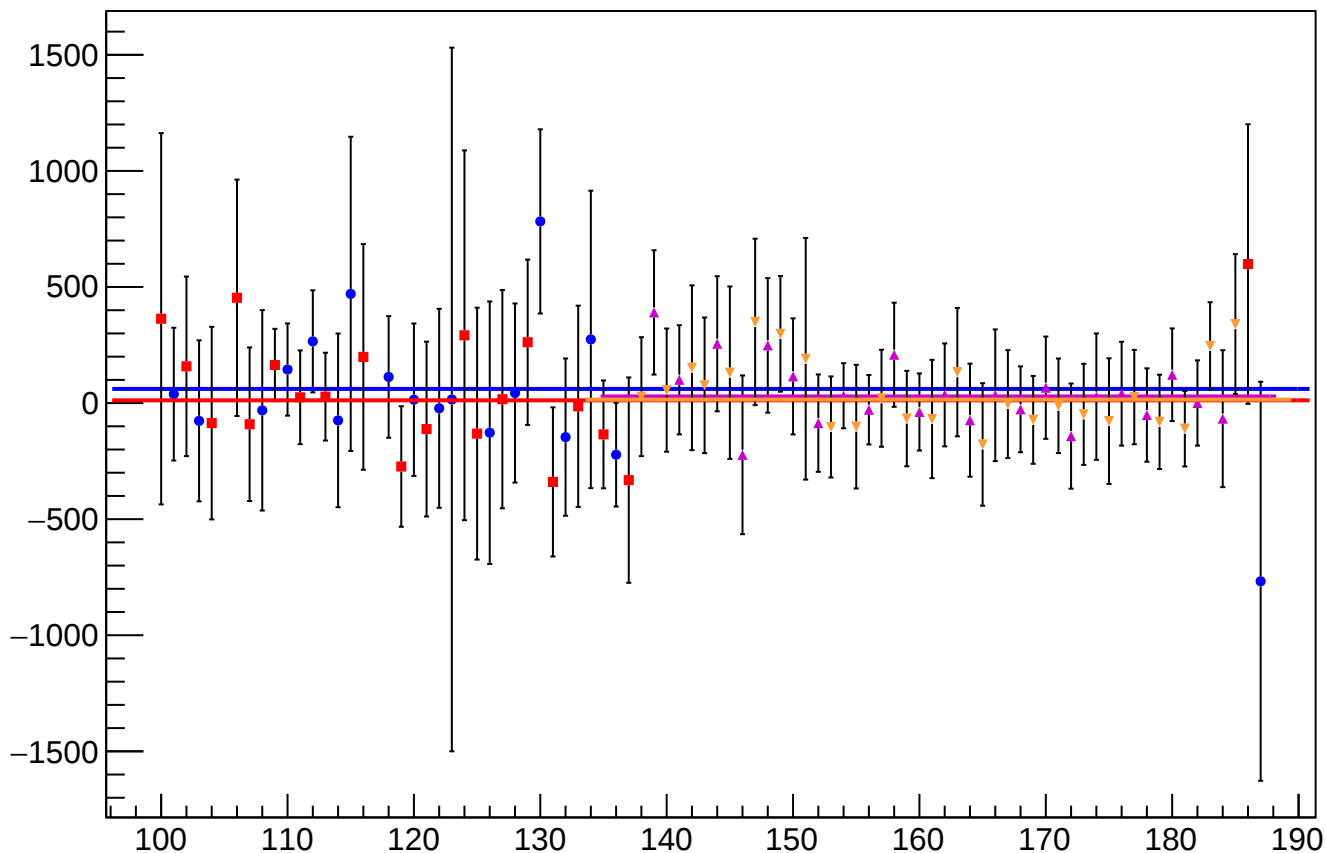
Right: 11.224 $\pm$ 0.002 χ^2 /NDF: 297348.9/37

In: 11.310 $\pm$ 0.002 χ^2 /NDF:289208.3/40

Out: 11.439 $\pm$ 0.002 χ^2 /NDF:293704.0/44

All: 11.376 $\pm$ 0.001 χ^2 /NDF: 586053.1/85

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: 61.034 $\pm$ 79.112 χ^2 /NDF: 8.3/17

Left Out: 15.130 $\pm$ 47.705 χ^2 /NDF:8.0/24

Right Out: 11.852 $\pm$ 69.722 χ^2 /NDF: 7.5/19

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

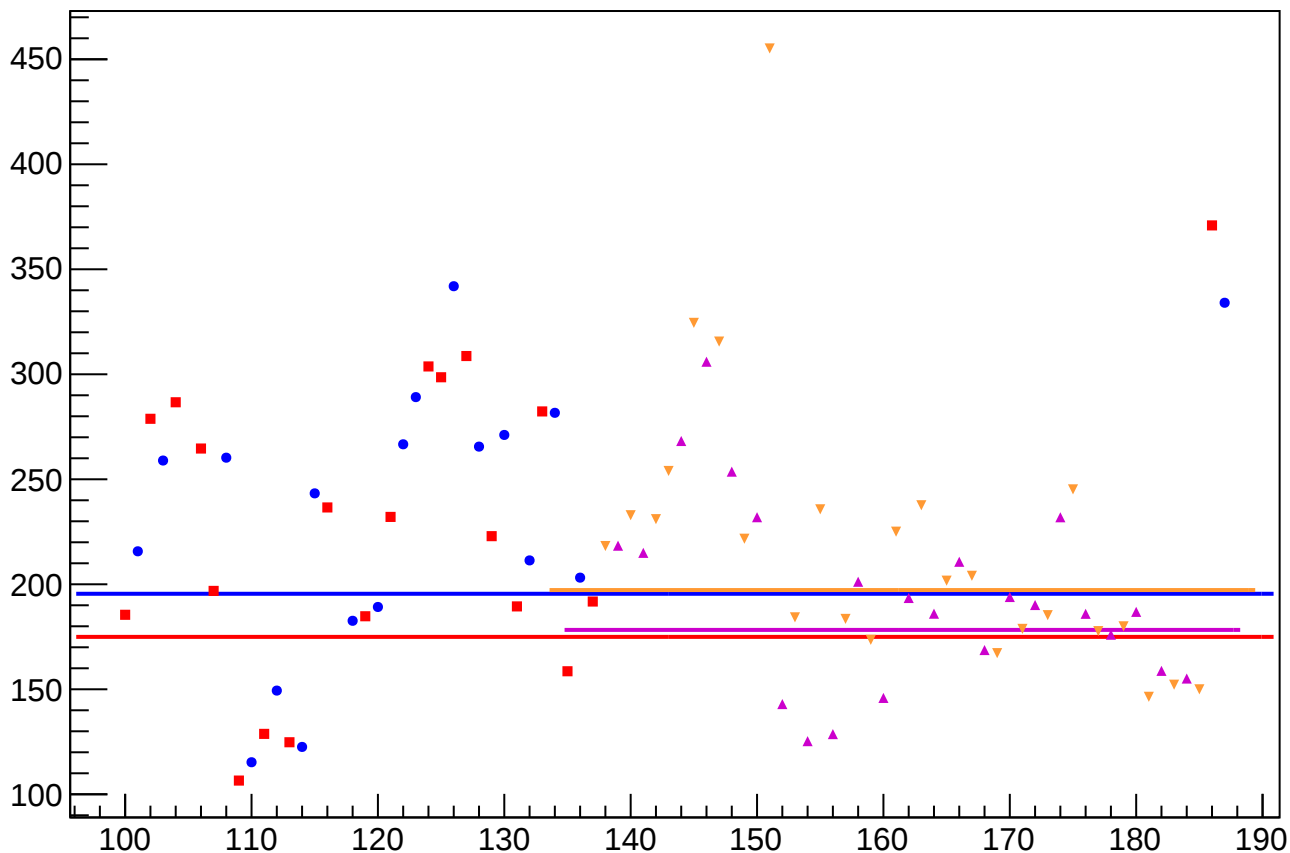
Right: 33.352 $\pm$ 52.307 χ^2 /NDF: 16.0/37

In: 36.399 $\pm$ 38.981 χ^2 /NDF:14.8/40

Out: 14.085 $\pm$ 39.371 χ^2 /NDF:15.5/44

All: 25.353 $\pm$ 27.701 χ^2 /NDF: 30.5/85

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.482 $\pm$ 0.056 χ^2 /NDF: 1058657.3/17

Left Out: 197.249 $\pm$ 0.034 χ^2 /NDF:1786808.1/24

Right Out: 174.955 $\pm$ 0.049 χ^2 /NDF: 1778748.1/19

Left In: 178.277 $\pm$ 0.032 χ^2 /NDF:1628916.6/22

Left: 187.167 $\pm$ 0.023 χ^2 /NDF: 3583826.5/47

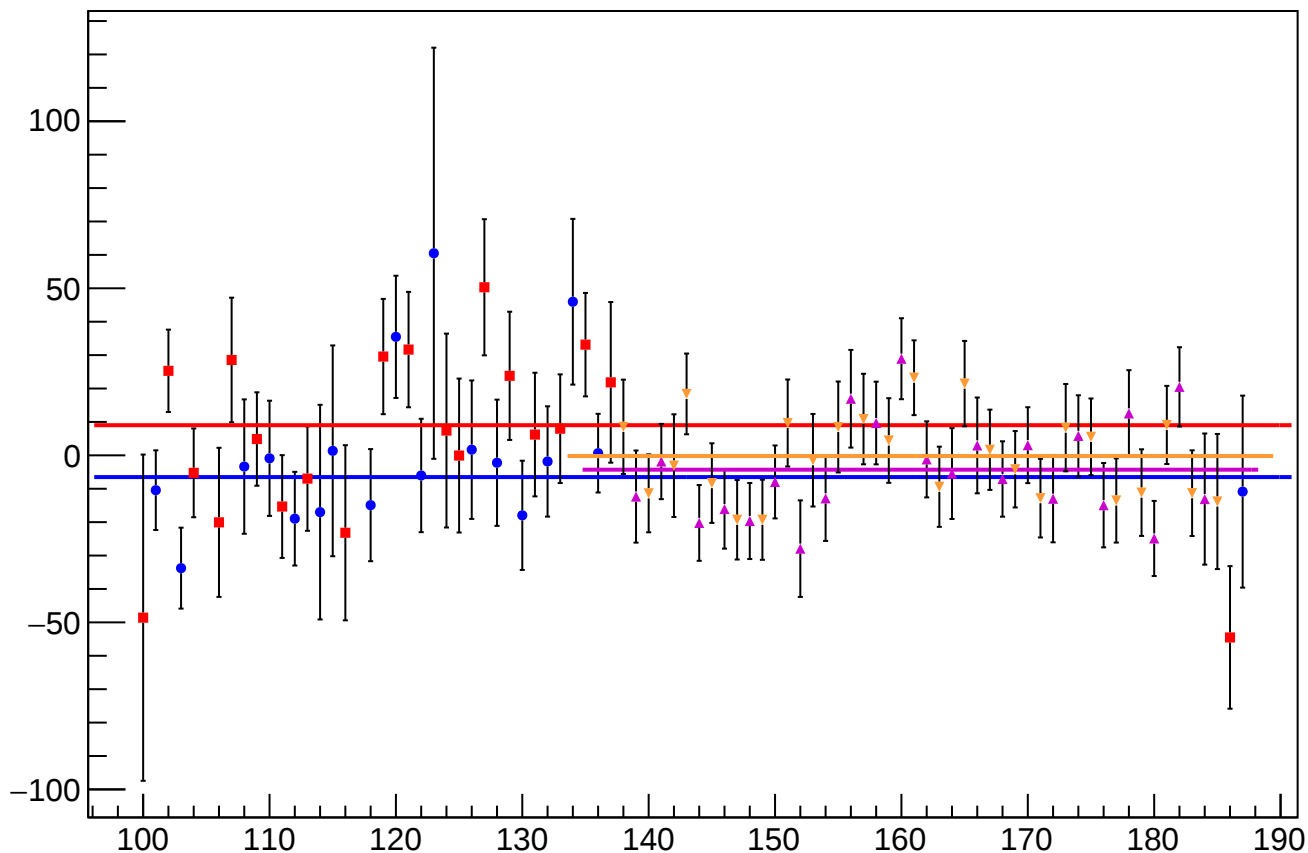
Right: 183.929 $\pm$ 0.037 χ^2 /NDF: 2913188.9/37

In: 182.454 $\pm$ 0.028 χ^2 /NDF:2759200.3/40

Out: 190.140 $\pm$ 0.028 χ^2 /NDF:3704839.5/44

All: 186.259 $\pm$ 0.020 χ^2 /NDF: 6502532.0/85

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.509 ± 4.096 χ^2/NDF : 18.6/17

Left Out: -0.211 ± 2.523 χ^2/NDF : 24.5/24

Right Out: 9.023 ± 4.012 χ^2/NDF : 31.8/19

Left In: -4.298 ± 2.589 χ^2/NDF : 31.6/22

Left: -2.202 ± 1.807 χ^2/NDF : 57.4/47

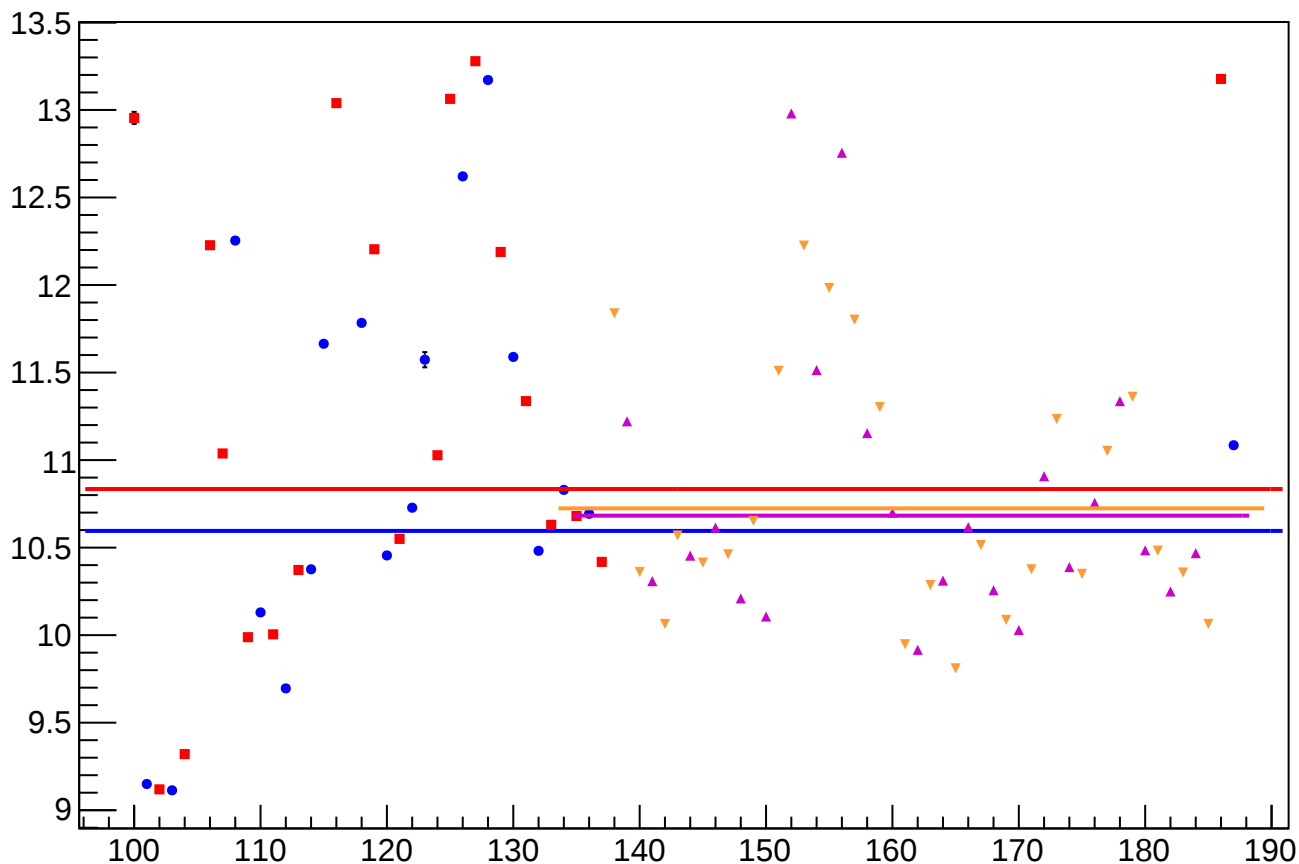
Right: 1.418 ± 2.866 χ^2/NDF : 57.8/37

In: -4.929 ± 2.188 χ^2/NDF : 50.4/40

Out: 2.407 ± 2.136 χ^2/NDF : 60.2/44

All: -1.172 ± 1.529 χ^2/NDF : 116.3/85

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.595 $\pm$ 0.003 χ^2 /NDF: 160405.9/17

Left Out: 10.724 $\pm$ 0.002 χ^2 /NDF:132558.9/24

Right Out: 10.835 $\pm$ 0.003 χ^2 /NDF: 202889.4/19

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

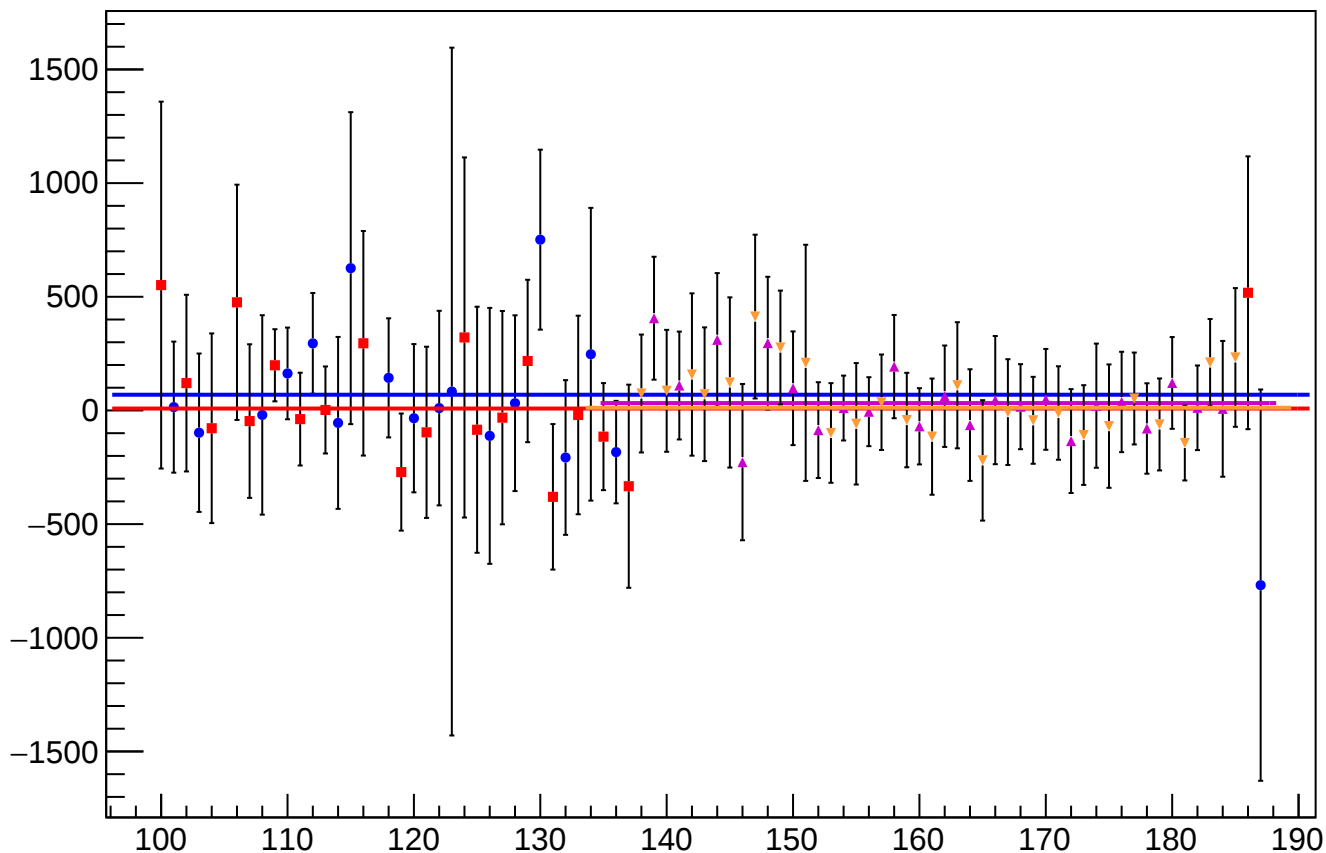
Right: 10.718 $\pm$ 0.002 χ^2 /NDF: 366776.1/37

In: 10.658 $\pm$ 0.002 χ^2 /NDF:308888.5/40

Out: 10.755 $\pm$ 0.002 χ^2 /NDF:336534.7/44

All: 10.708 $\pm$ 0.001 χ^2 /NDF: 647467.2/85

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 69.165 $\pm$ 79.626 χ^2 /NDF: 8.5/17

Left Out: 11.891 $\pm$ 48.022 χ^2 /NDF: 7.6/24

Right Out: 8.456 $\pm$ 70.378 χ^2 /NDF: 8.1/19

Left In: 32.413 $\pm$ 45.155 χ^2 /NDF: 6.9/22

Left: 22.783 $\pm$ 32.896 χ^2 /NDF: 14.6/47

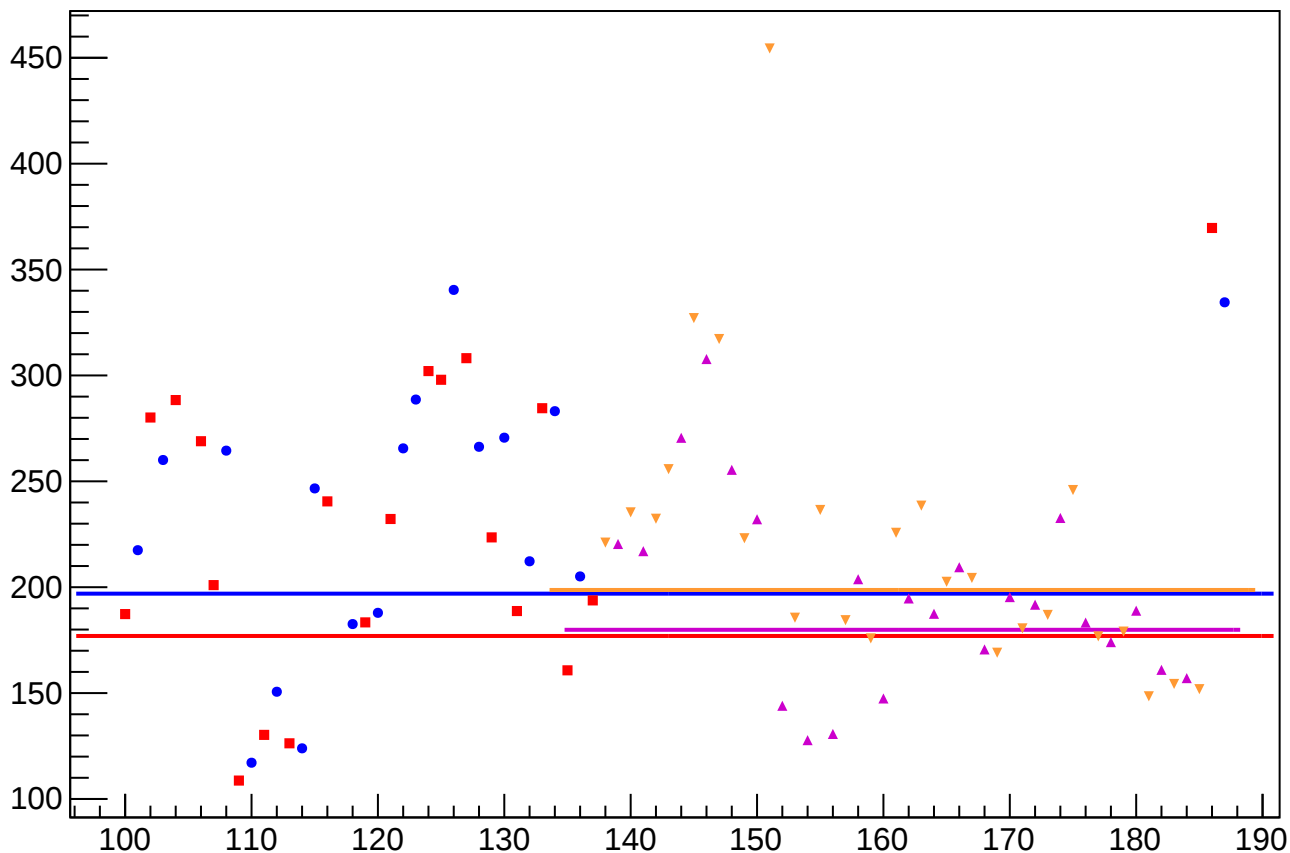
Right: 35.082 $\pm$ 52.733 χ^2 /NDF: 17.0/37

In: 41.356 $\pm$ 39.279 χ^2 /NDF: 15.6/40

Out: 10.800 $\pm$ 39.668 χ^2 /NDF: 15.7/44

All: 26.228 $\pm$ 27.911 χ^2 /NDF: 31.6/85

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.953 $\pm$ 0.056 χ^2 /NDF: 1032460.5/17

Left Out: 198.695 $\pm$ 0.034 χ^2 /NDF:1759311.9/24

Right Out: 176.972 $\pm$ 0.050 χ^2 /NDF: 1732744.9/19

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

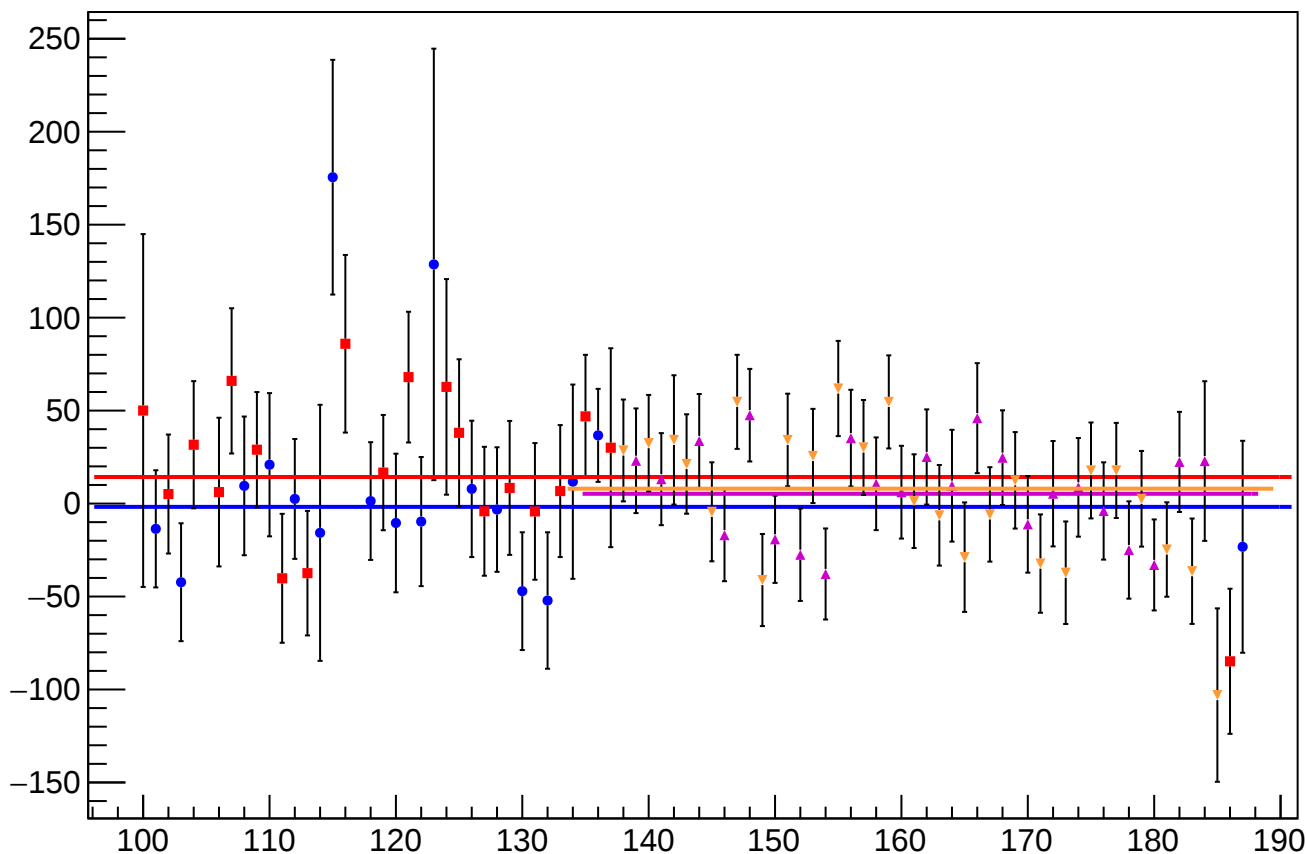
Right: 185.736 $\pm$ 0.037 χ^2 /NDF: 2835908.9/37

In: 184.039 $\pm$ 0.028 χ^2 /NDF:2682622.1/40

Out: 191.794 $\pm$ 0.028 χ^2 /NDF:3622062.2/44

All: 187.879 $\pm$ 0.020 χ^2 /NDF: 6343278.9/85

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.777 ± 8.741 χ^2/NDF : 18.1/17

Left Out: 8.004 ± 5.334 χ^2/NDF : 37.4/24

Right Out: 14.289 ± 8.372 χ^2/NDF : 21.1/19

Left In: 5.261 ± 5.465 χ^2/NDF : 20.8/22

Left: 6.665 ± 3.817 χ^2/NDF : 58.3/47

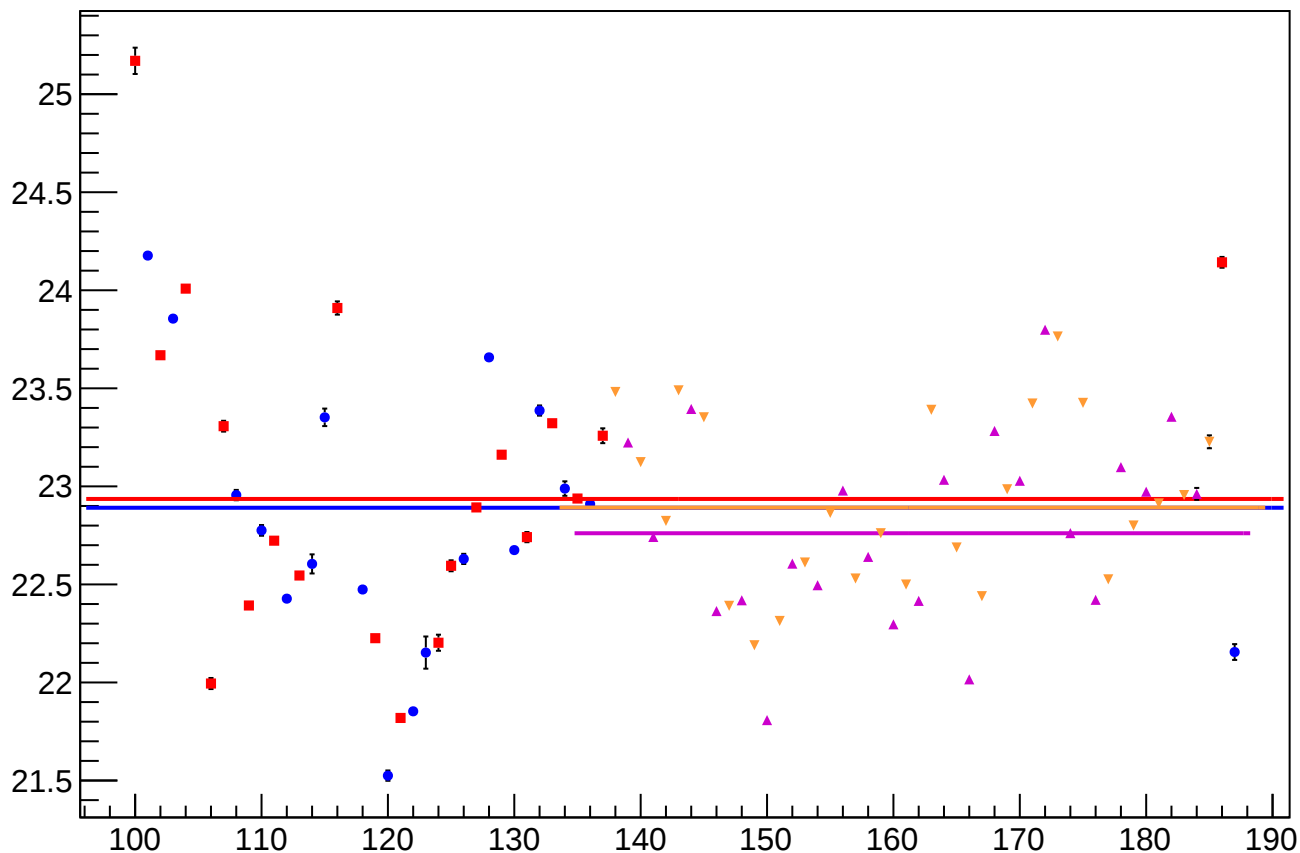
Right: 6.602 ± 6.046 χ^2/NDF : 41.0/37

In: 3.283 ± 4.634 χ^2/NDF : 39.3/40

Out: 9.818 ± 4.499 χ^2/NDF : 59.0/44

All: 6.647 ± 3.228 χ^2/NDF : 99.3/85

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.891 $\pm$ 0.006 χ^2 /NDF: 12611.7/17

Left Out: 22.892 $\pm$ 0.004 χ^2 /NDF:12995.5/24

Right Out: 22.936 $\pm$ 0.006 χ^2 /NDF: 13098.5/19

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

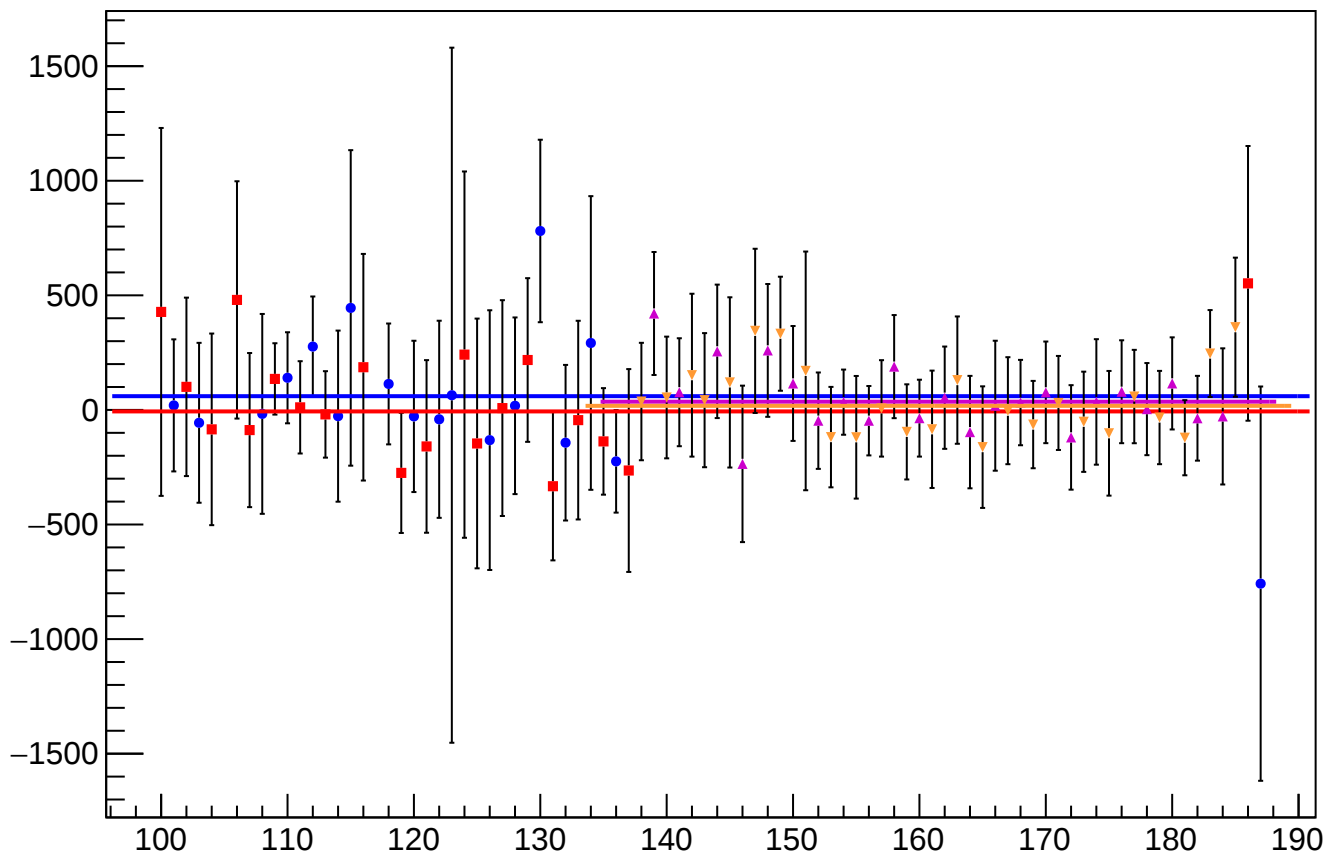
Right: 22.914 $\pm$ 0.004 χ^2 /NDF: 25737.7/37

In: 22.797 $\pm$ 0.003 χ^2 /NDF:27479.8/40

Out: 22.905 $\pm$ 0.003 χ^2 /NDF:26133.2/44

All: 22.853 $\pm$ 0.002 χ^2 /NDF: 54163.3/85

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 59.954+/-79.286 χ^2/NDF : 8.3/17

Left Out: 17.777+/-47.941 χ^2/NDF : 8.5/24

Right Out: -6.550+/-69.887 χ^2/NDF : 6.7/19

Left In: 35.879+/-45.087 χ^2/NDF : 6.3/22

Left: 27.383+/-32.844 χ^2/NDF : 14.9/47

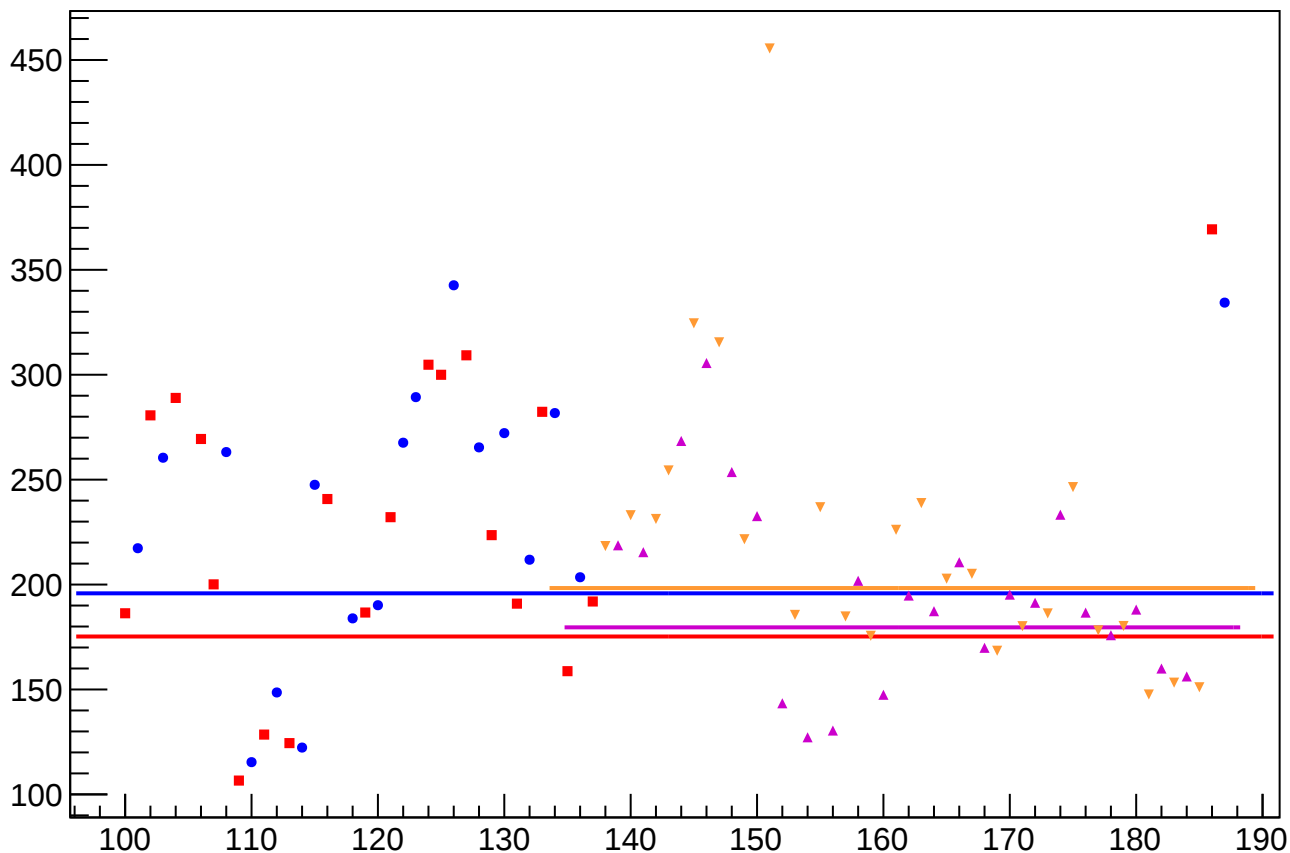
Right: 22.528+/-52.427 χ^2/NDF : 15.3/37

In: 41.762+/-39.193 χ^2/NDF : 14.6/40

Out: 9.992+/-39.534 χ^2/NDF : 15.3/44

All: 26.015+/-27.833 χ^2/NDF : 30.3/85

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.820 ± 0.056 $\chi^2/\text{NDF}: 1073305.3/17$

Left Out: 198.344 ± 0.034 $\chi^2/\text{NDF}: 1757450.6/24$

Right Out: 175.246 ± 0.049 $\chi^2/\text{NDF}: 1803778.0/19$

Left In: 179.605 ± 0.032 $\chi^2/\text{NDF}: 1575744.0/22$

Left: 188.400 ± 0.023 $\chi^2/\text{NDF}: 3495336.8/47$

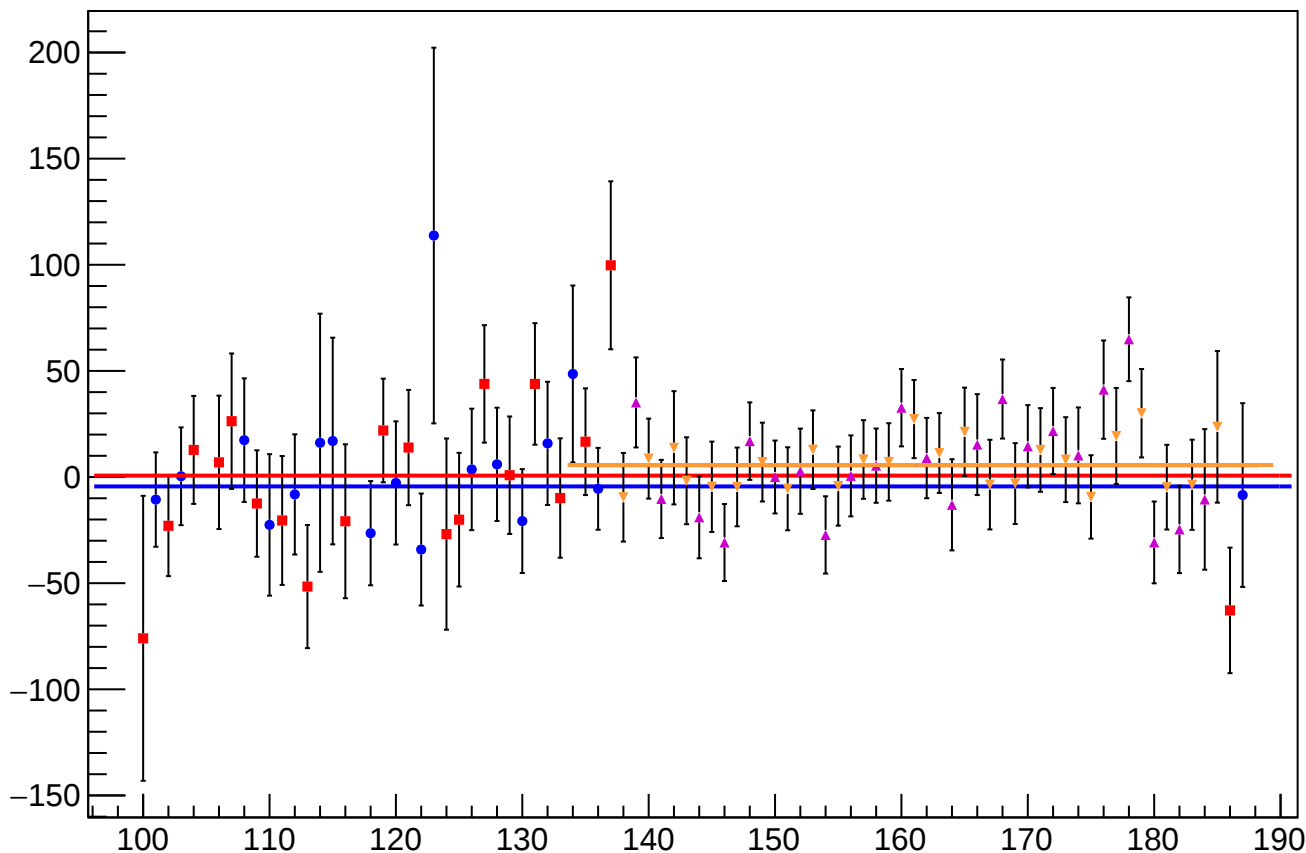
Right: 184.242 ± 0.037 $\chi^2/\text{NDF}: 2952874.3/37$

In: 183.567 ± 0.028 $\chi^2/\text{NDF}: 2712259.7/40$

Out: 190.952 ± 0.028 $\chi^2/\text{NDF}: 3709789.7/44$

All: 187.228 ± 0.020 $\chi^2/\text{NDF}: 6457247.5/85$

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.417 $\pm$ 6.801 χ^2 /NDF: 8.0/17

Left Out: 5.680 $\pm$ 4.024 χ^2 /NDF:7.7/24

Right Out: 0.673 $\pm$ 6.572 χ^2 /NDF: 25.5/19

Left In: 5.595 $\pm$ 4.121 χ^2 /NDF:36.4/22

Left: 5.639 $\pm$ 2.879 χ^2 /NDF: 44.1/47

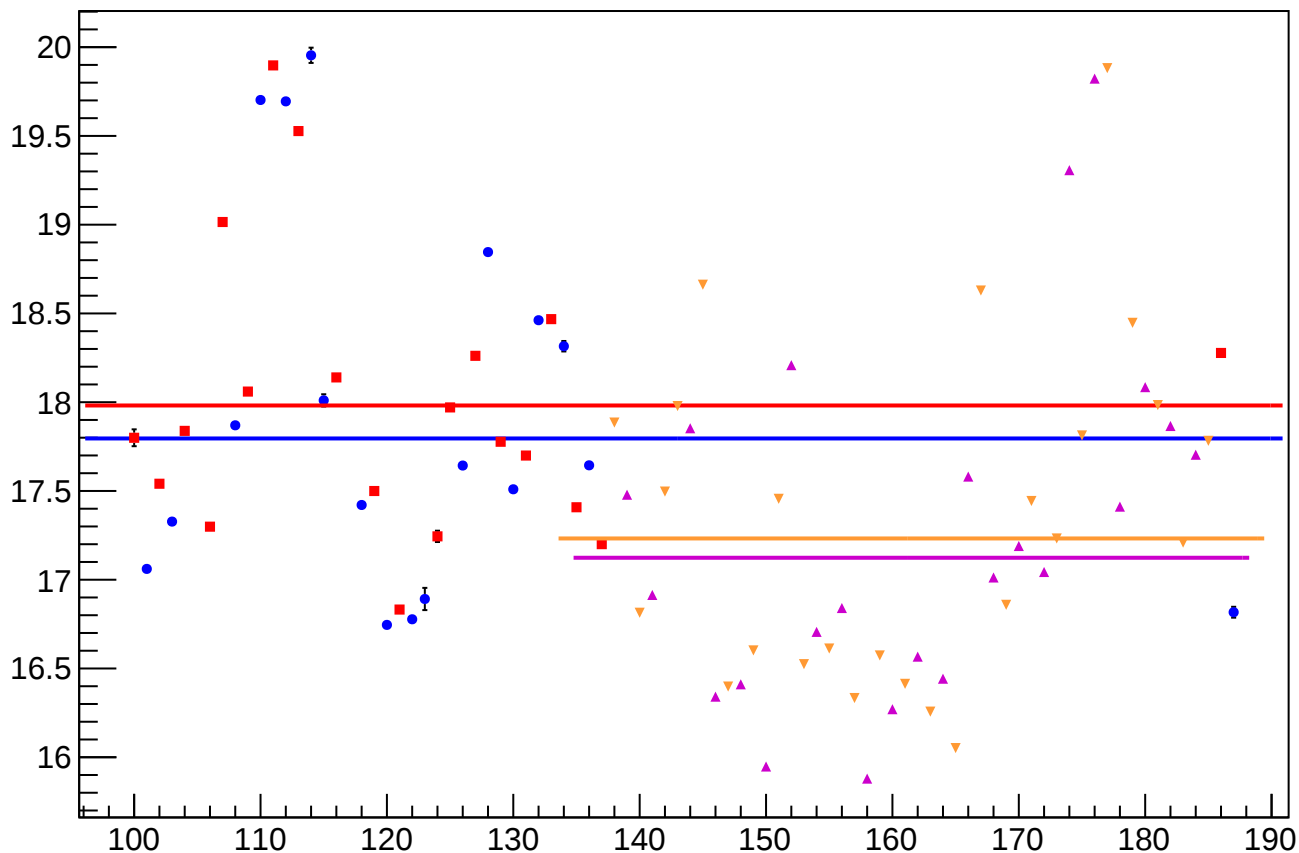
Right: -1.785 $\pm$ 4.726 χ^2 /NDF: 33.7/37

In: 2.906 $\pm$ 3.525 χ^2 /NDF:45.9/40

Out: 4.315 $\pm$ 3.431 χ^2 /NDF:33.7/44

All: 3.629 $\pm$ 2.459 χ^2 /NDF: 79.7/85

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.796 $\pm$ 0.005 χ^2 /NDF: 33332.6/17

Left Out: 17.232 $\pm$ 0.003 χ^2 /NDF:98701.0/24

Right Out: 17.982 $\pm$ 0.005 χ^2 /NDF: 25530.9/19

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

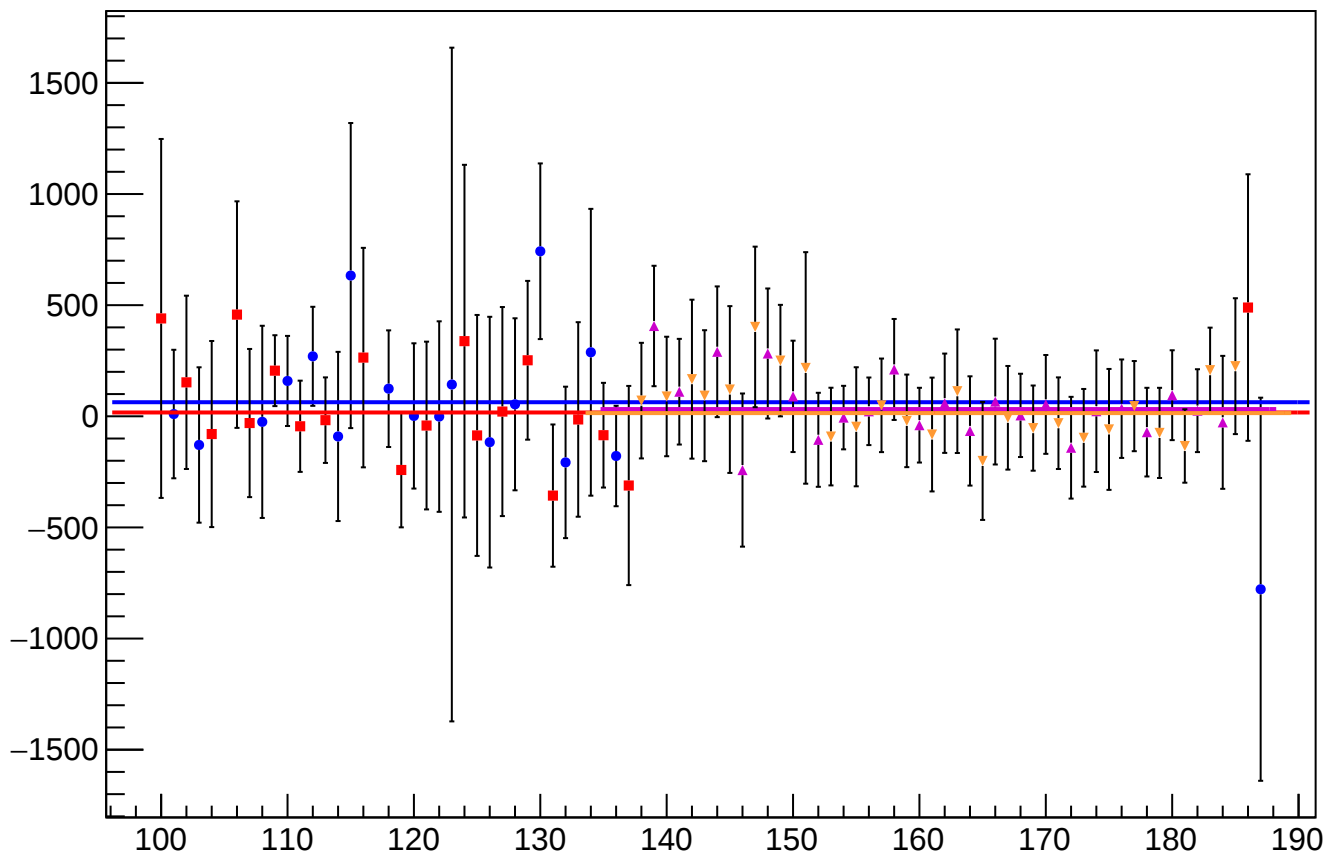
Right: 17.892 $\pm$ 0.003 χ^2 /NDF: 59635.4/37

In: 17.304 $\pm$ 0.002 χ^2 /NDF:148361.5/40

Out: 17.437 $\pm$ 0.002 χ^2 /NDF:143132.3/44

All: 17.372 $\pm$ 0.002 χ^2 /NDF: 292944.0/85

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 63.323+/-79.823 χ^2/NDF : 8.3/17

Left Out: 14.362+/-48.130 χ^2/NDF : 6.9/24

Right Out: 17.182+/-70.532 χ^2/NDF : 7.4/19

Left In: 32.571+/-45.248 χ^2/NDF : 6.7/22

Left: 24.028+/-32.967 χ^2/NDF : 13.7/47

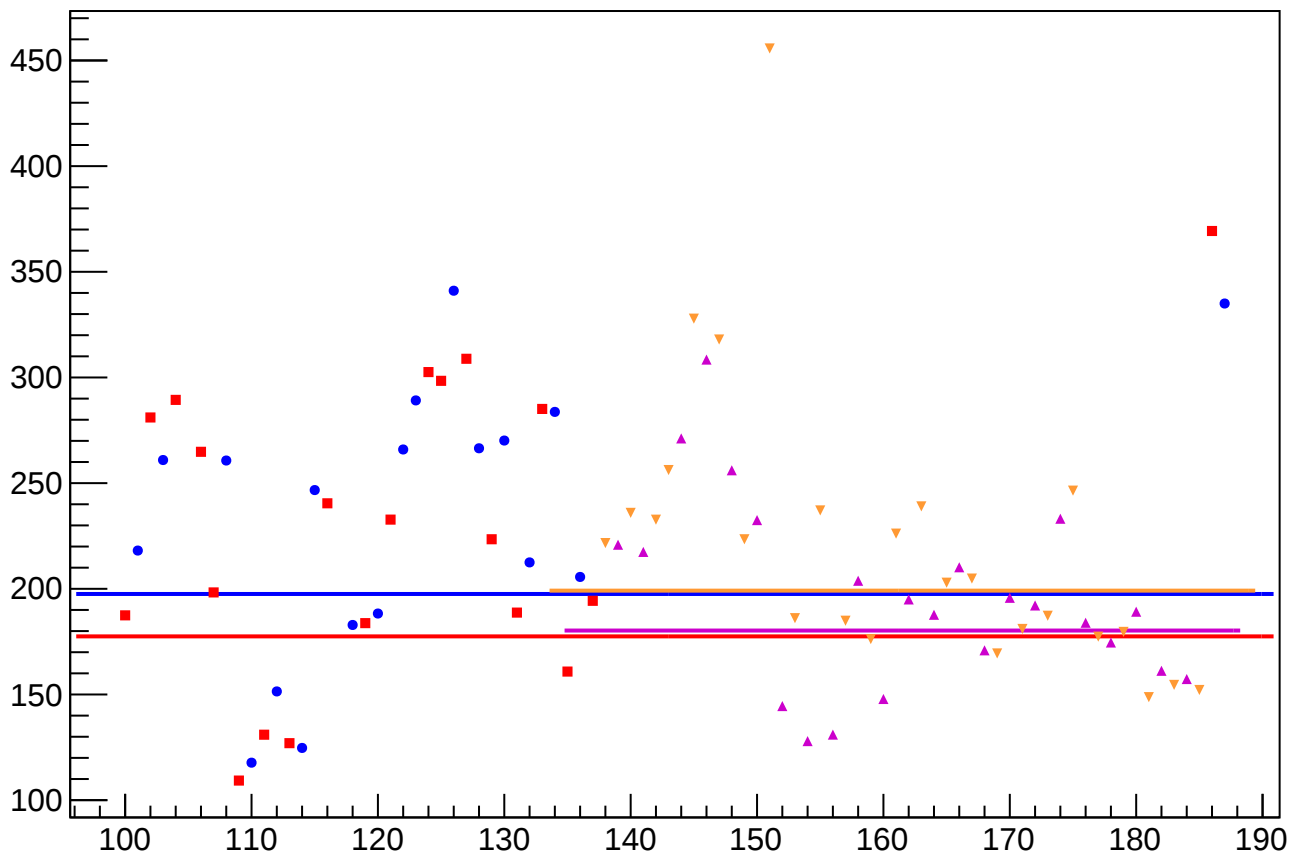
Right: 37.412+/-52.855 χ^2/NDF : 15.9/37

In: 40.049+/-39.363 χ^2/NDF : 15.2/40

Out: 15.258+/-39.756 χ^2/NDF : 14.3/44

All: 27.777+/-27.972 χ^2/NDF : 29.7/85

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.558 $\pm$ 0.056 χ^2 /NDF: 1017262.4/17

Left Out: 199.136 $\pm$ 0.034 χ^2 /NDF:1760298.1/24

Right Out: 177.492 $\pm$ 0.050 χ^2 /NDF: 1713633.3/19

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

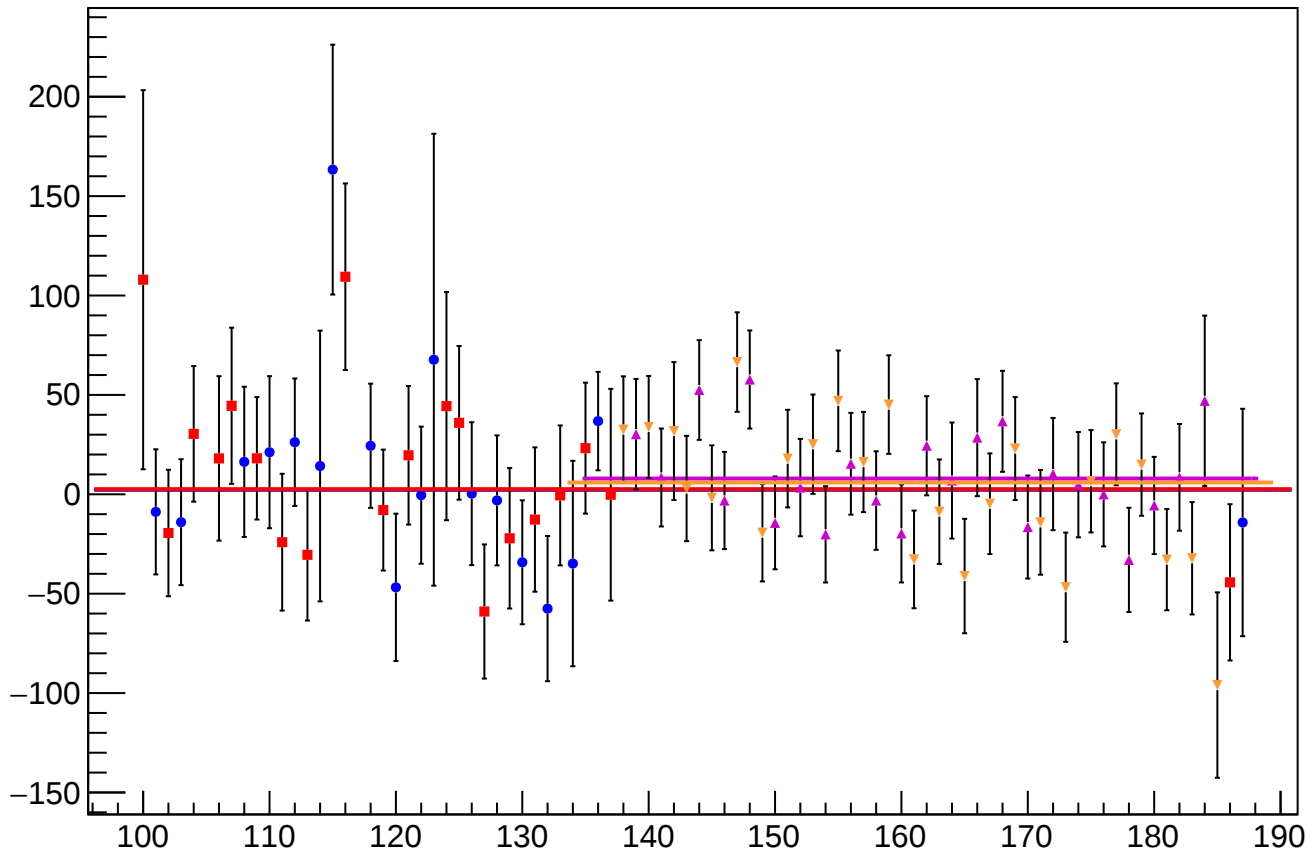
Right: 186.290 $\pm$ 0.037 χ^2 /NDF: 2801870.7/37

In: 184.464 $\pm$ 0.028 χ^2 /NDF:2668928.7/40

Out: 192.259 $\pm$ 0.028 χ^2 /NDF:3602432.1/44

All: 188.323 $\pm$ 0.020 χ^2 /NDF: 6310192.9/85

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.289 ± 8.670 $\chi^2/\text{NDF}: 17.1/17$

Left Out: 5.937 ± 5.285 $\chi^2/\text{NDF}: 36.1/24$

Right Out: 2.547 ± 8.304 $\chi^2/\text{NDF}: 18.1/19$

Left In: 7.915 ± 5.422 $\chi^2/\text{NDF}: 18.7/22$

Left: 6.901 ± 3.784 $\chi^2/\text{NDF}: 54.9/47$

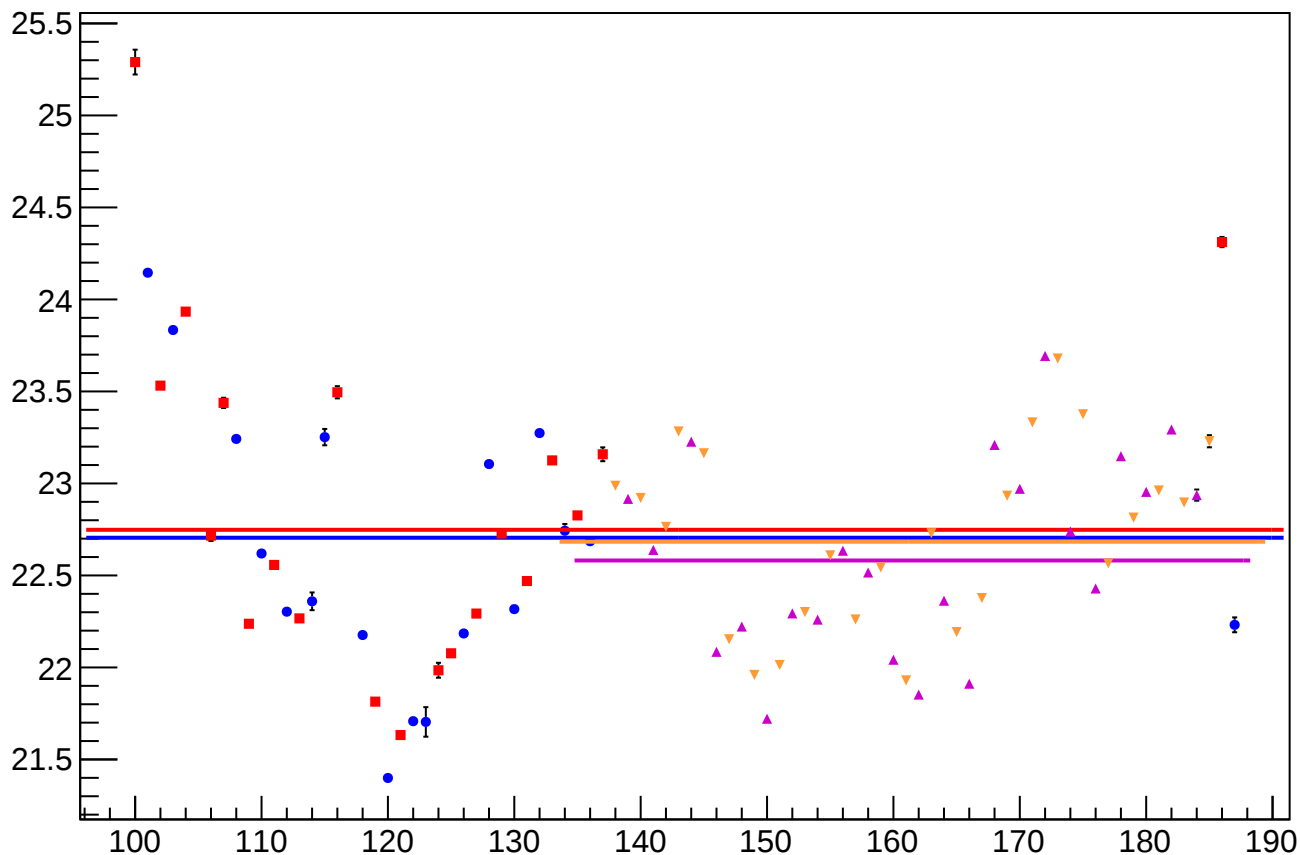
Right: 2.423 ± 5.997 $\chi^2/\text{NDF}: 35.3/37$

In: 6.334 ± 4.597 $\chi^2/\text{NDF}: 36.1/40$

Out: 4.960 ± 4.459 $\chi^2/\text{NDF}: 54.4/44$

All: 5.626 ± 3.200 $\chi^2/\text{NDF}: 90.6/85$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.705+/-0.006 χ^2/NDF : 14198.3/17

Left Out: 22.683+/-0.004 χ^2/NDF : 16320.2/24

Right Out: 22.748+/-0.006 χ^2/NDF : 16111.3/19

Left In: 22.581+/-0.004 χ^2/NDF : 17904.5/22

Left: 22.634+/-0.003 χ^2/NDF : 34586.9/47

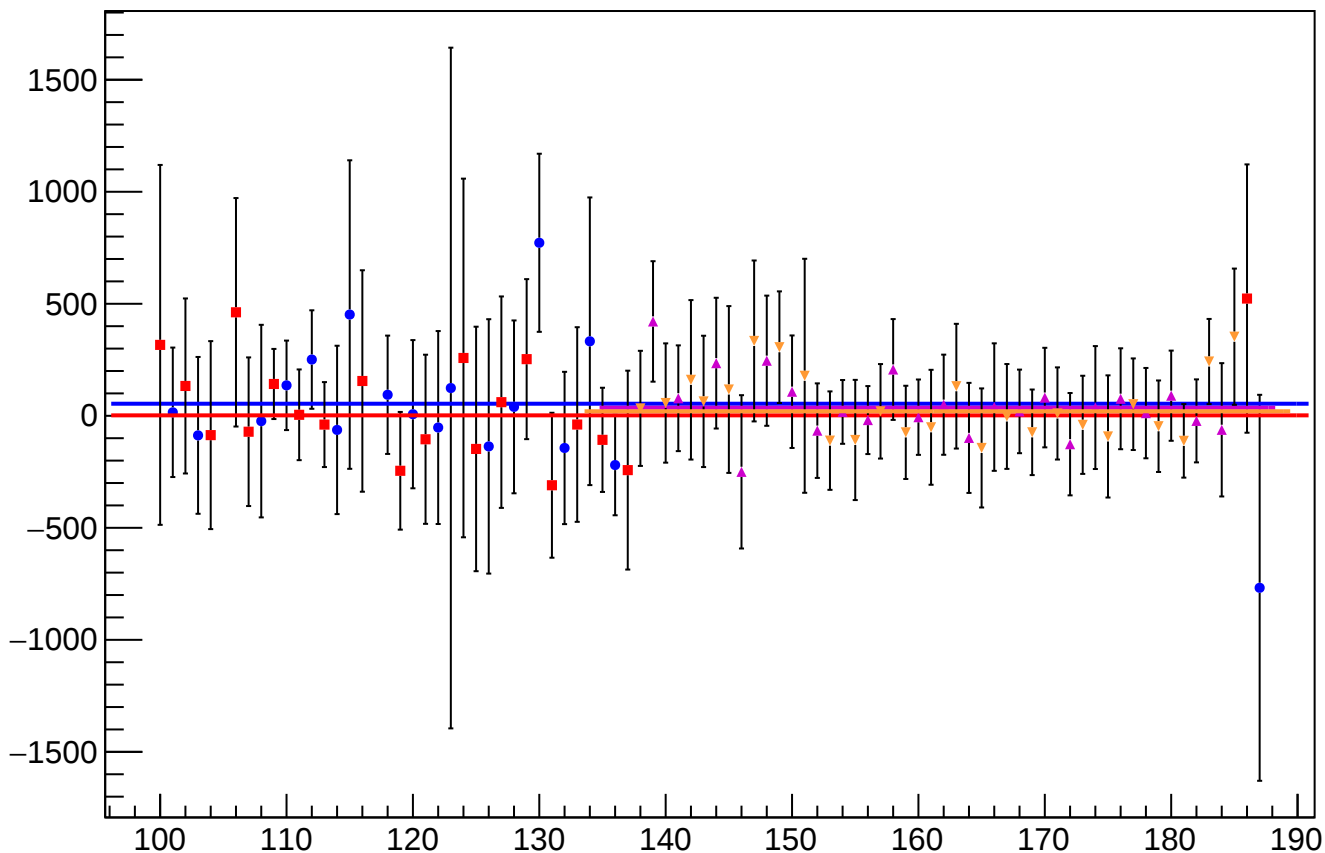
Right: 22.727+/-0.004 χ^2/NDF : 30335.5/37

In: 22.616+/-0.003 χ^2/NDF : 32395.0/40

Out: 22.702+/-0.003 χ^2/NDF : 32518.3/44

All: 22.660+/-0.002 χ^2/NDF : 65272.6/85

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 53.921 $\pm$ 79.486 χ^2 /NDF: 8.0/17

Left Out: 20.306 $\pm$ 48.049 χ^2 /NDF: 7.7/24

Right Out: 1.998 $\pm$ 70.045 χ^2 /NDF: 6.0/19

Left In: 35.996 $\pm$ 45.180 χ^2 /NDF: 6.1/22

Left: 28.633 $\pm$ 32.915 χ^2 /NDF: 13.8/47

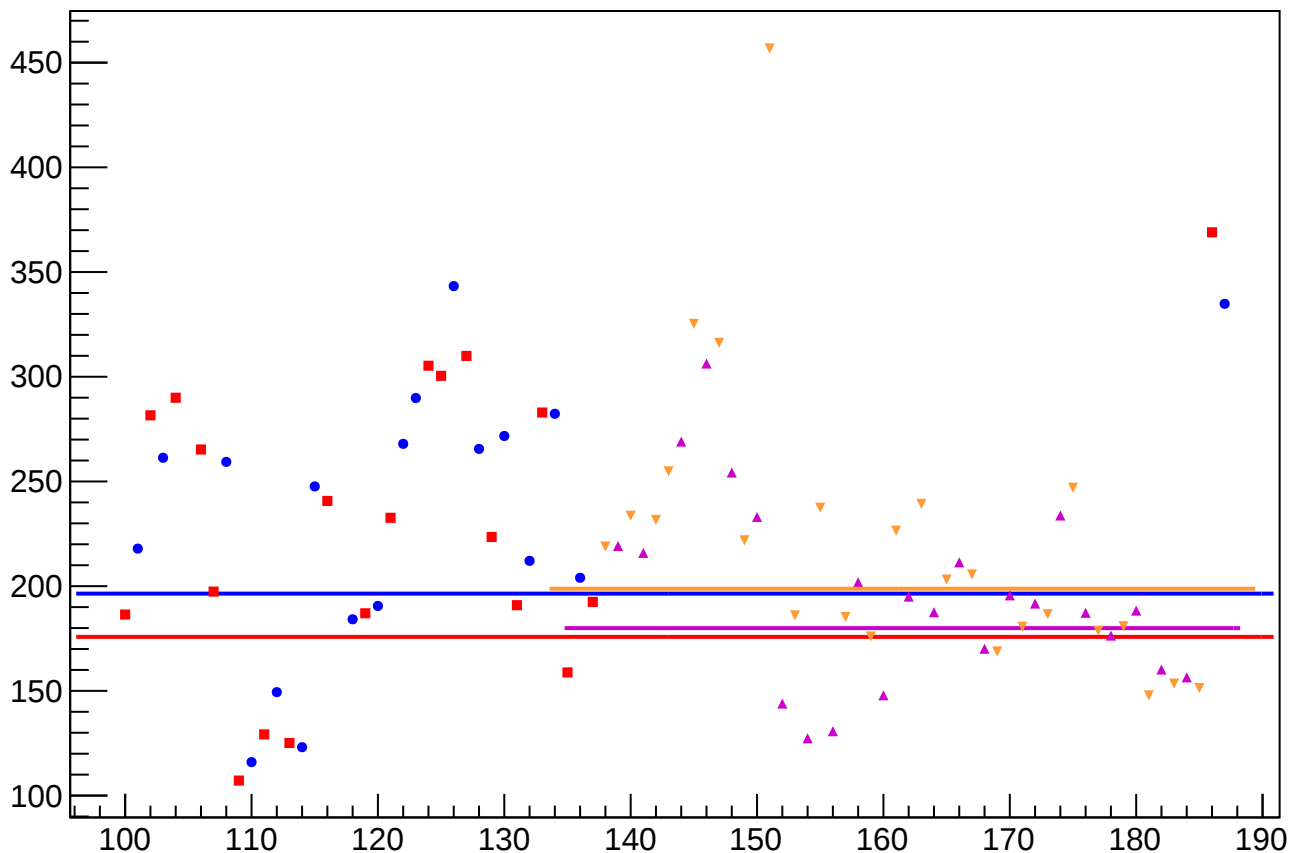
Right: 24.694 $\pm$ 52.552 χ^2 /NDF: 14.3/37

In: 40.373 $\pm$ 39.278 χ^2 /NDF: 14.1/40

Out: 14.448 $\pm$ 39.623 χ^2 /NDF: 13.7/44

All: 27.523 $\pm$ 27.895 χ^2 /NDF: 28.1/85

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.437 $\pm$ 0.056 χ^2 /NDF: 1057397.0/17

Left Out: 198.784 $\pm$ 0.034 χ^2 /NDF:1758481.8/24

Right Out: 175.781 $\pm$ 0.050 χ^2 /NDF: 1783748.8/19

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

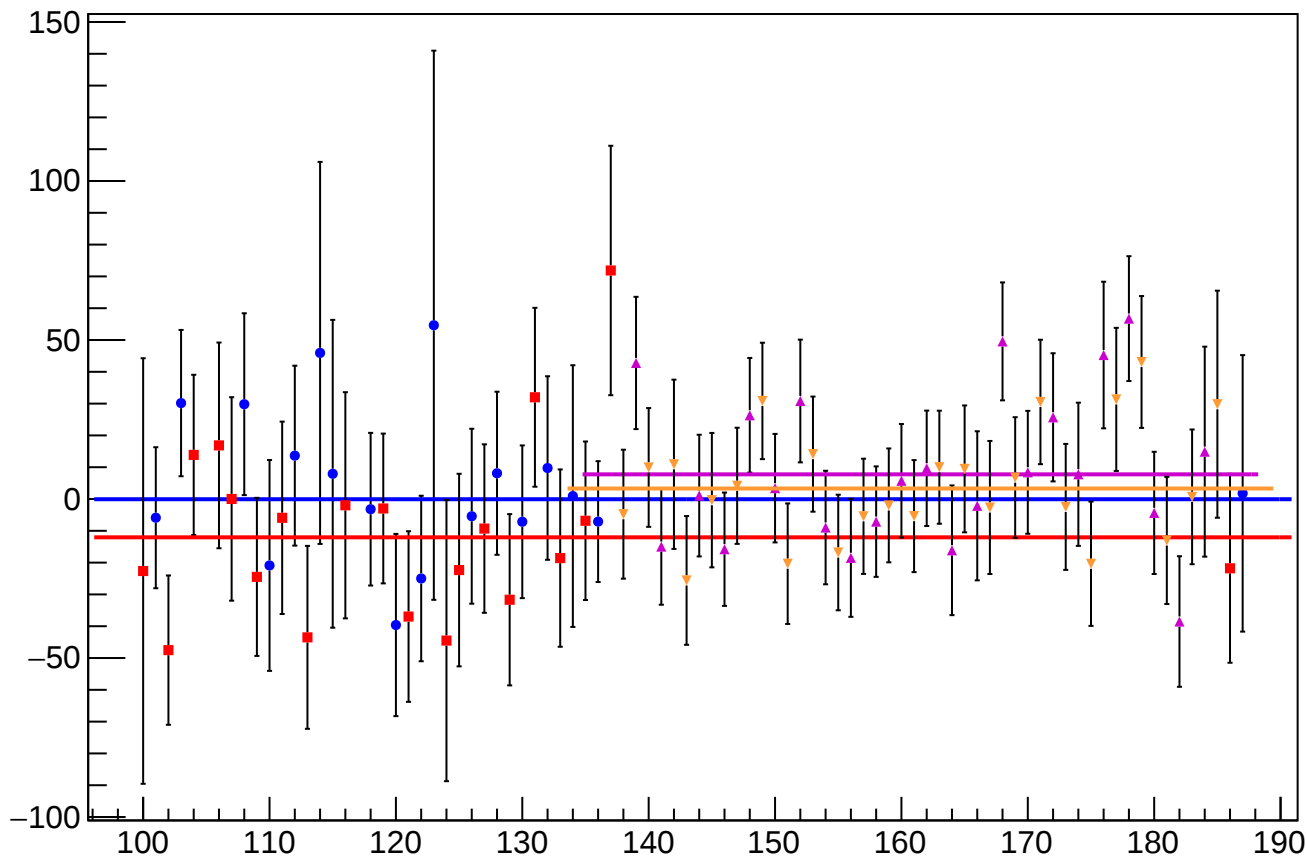
Right: 184.810 $\pm$ 0.037 χ^2 /NDF: 2917167.9/37

In: 183.993 $\pm$ 0.028 χ^2 /NDF:2698140.0/40

Out: 191.424 $\pm$ 0.028 χ^2 /NDF:3688911.7/44

All: 187.676 $\pm$ 0.020 χ^2 /NDF: 6422531.1/85

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.066 ± 6.705 χ^2/NDF : 7.9/17

Left Out: 3.307 ± 3.954 χ^2/NDF : 18.7/24

Right Out: -12.047 ± 6.482 χ^2/NDF : 15.3/19

Left In: 7.756 ± 4.061 χ^2/NDF : 34.3/22

Left: 5.472 ± 2.833 χ^2/NDF : 53.6/47

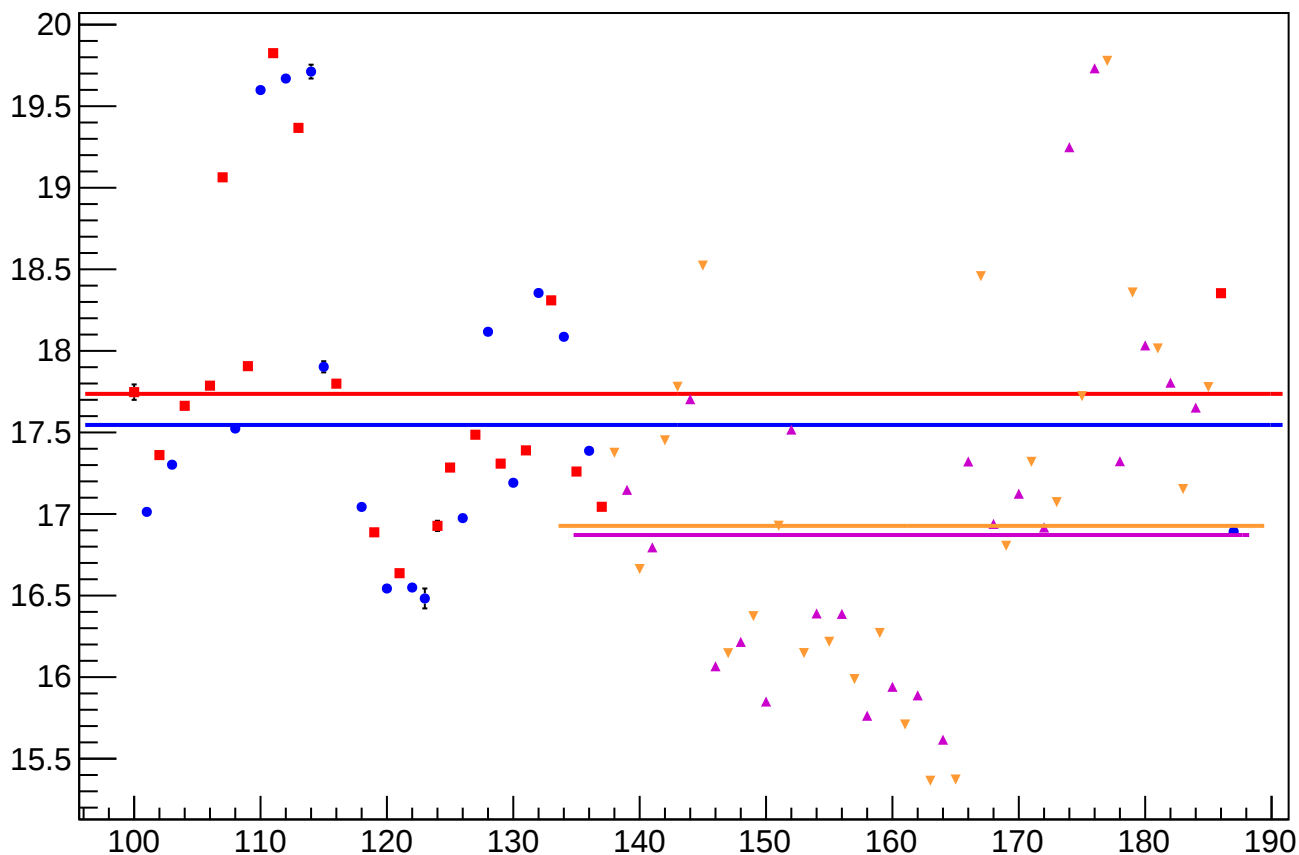
Right: -6.259 ± 4.660 χ^2/NDF : 24.8/37

In: 5.657 ± 3.473 χ^2/NDF : 43.1/40

Out: -0.856 ± 3.375 χ^2/NDF : 38.1/44

All: 2.307 ± 2.421 χ^2/NDF : 83.0/85

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.546 $\pm$ 0.005 χ^2 /NDF: 34401.0/17

Left Out: 16.927 $\pm$ 0.003 χ^2 /NDF:138533.2/24

Right Out: 17.737 $\pm$ 0.005 χ^2 /NDF: 31158.4/19

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

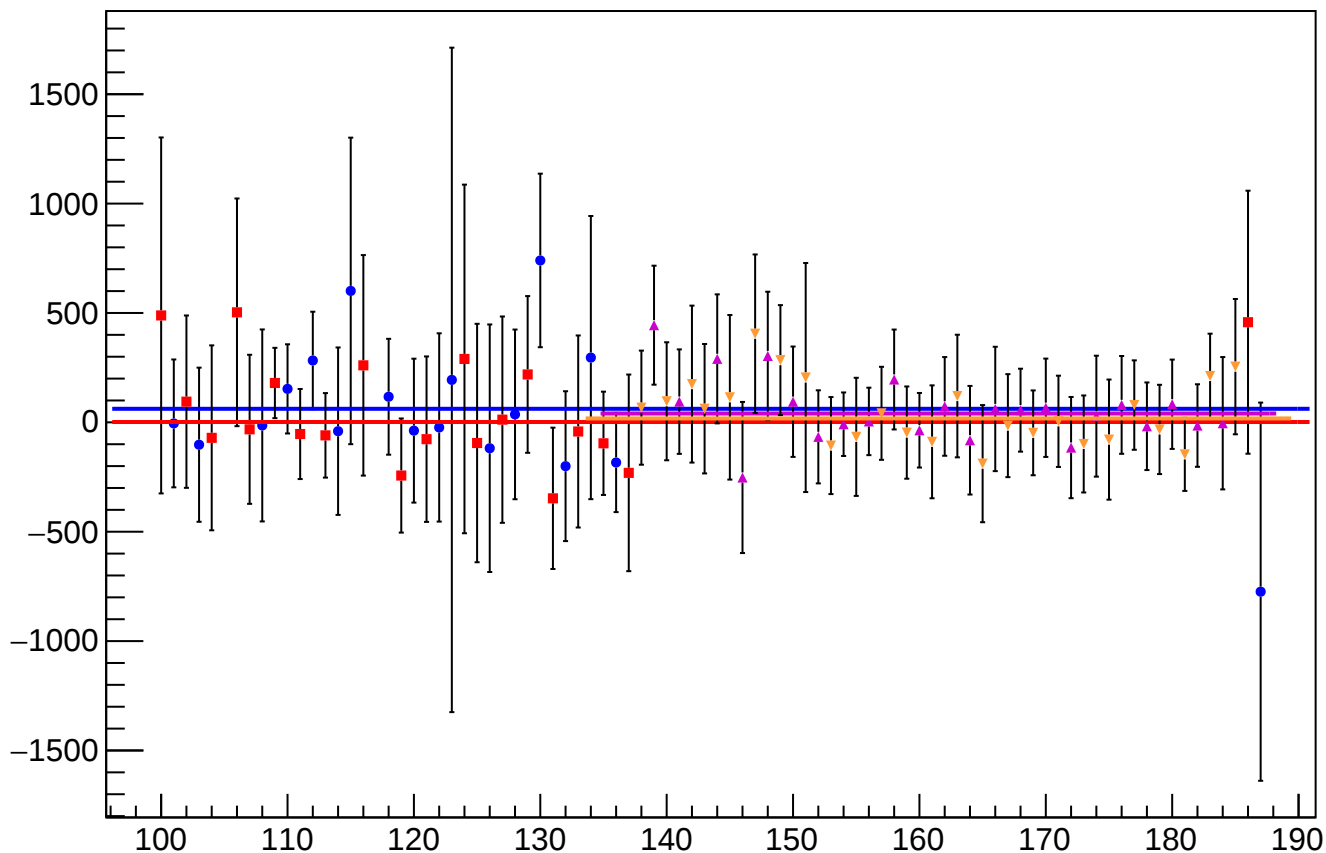
Right: 17.644 $\pm$ 0.003 χ^2 /NDF: 66394.1/37

In: 17.052 $\pm$ 0.002 χ^2 /NDF:167212.4/40

Out: 17.147 $\pm$ 0.002 χ^2 /NDF:192411.0/44

All: 17.101 $\pm$ 0.002 χ^2 /NDF: 360382.7/85

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 61.943 $\pm$ 80.285 χ^2 /NDF: 8.2/17

Left Out: 17.828 $\pm$ 48.547 χ^2 /NDF: 7.5/24

Right Out: 1.608 $\pm$ 71.020 χ^2 /NDF: 6.7/19

Left In: 40.355 $\pm$ 45.689 χ^2 /NDF: 6.6/22

Left: 29.774 $\pm$ 33.271 χ^2 /NDF: 14.2/47

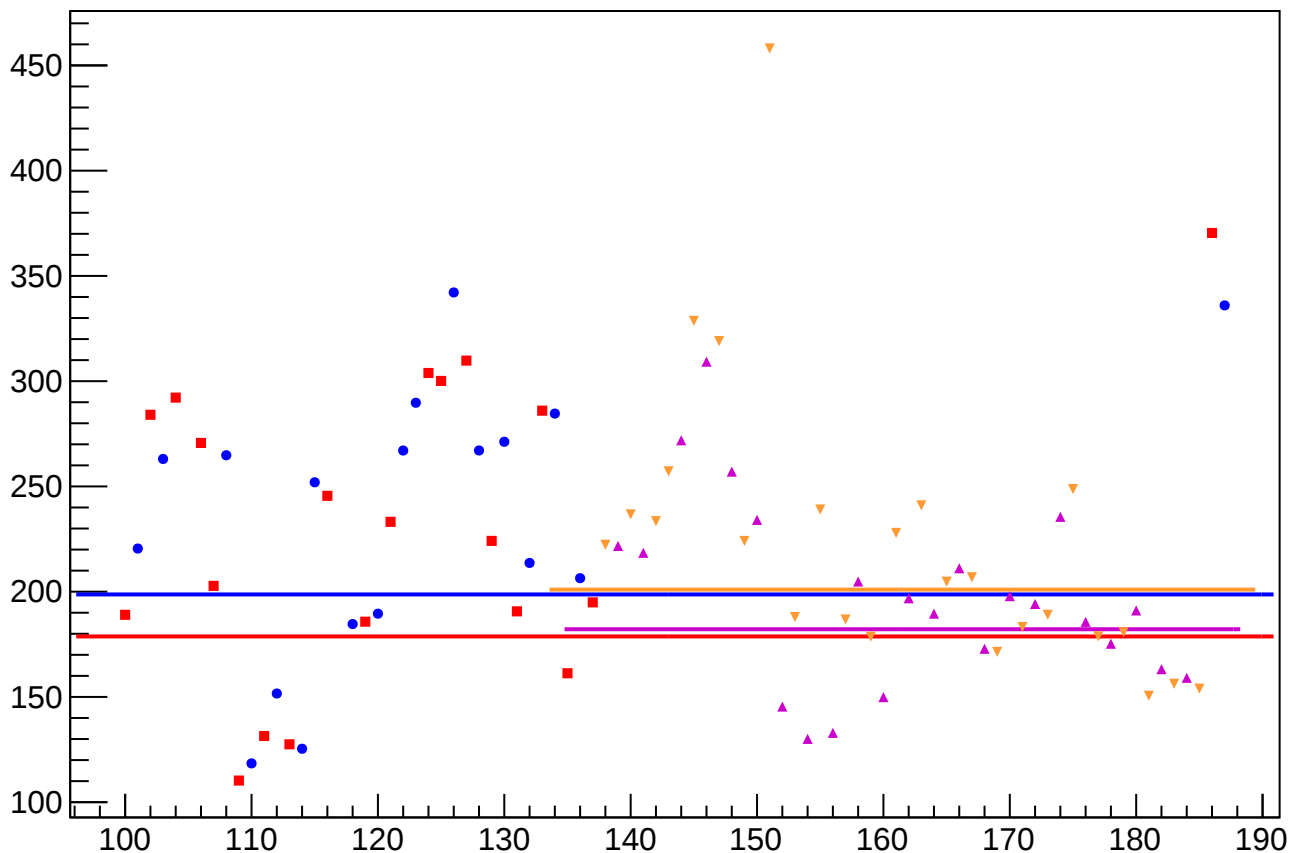
Right: 28.095 $\pm$ 53.194 χ^2 /NDF: 15.2/37

In: 45.636 $\pm$ 39.709 χ^2 /NDF: 14.9/40

Out: 12.663 $\pm$ 40.078 χ^2 /NDF: 14.2/44

All: 29.302 $\pm$ 28.208 χ^2 /NDF: 29.4/85

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 198.692 $\pm$ 0.057 χ^2 /NDF: 1021779.6/17

Left Out: 200.985 $\pm$ 0.034 χ^2 /NDF:1727291.4/24

Right Out: 178.729 $\pm$ 0.050 χ^2 /NDF: 1720996.8/19

Left In: 182.158 $\pm$ 0.032 χ^2 /NDF:1535922.8/22

Left: 191.001 $\pm$ 0.024 χ^2 /NDF: 3422724.8/47

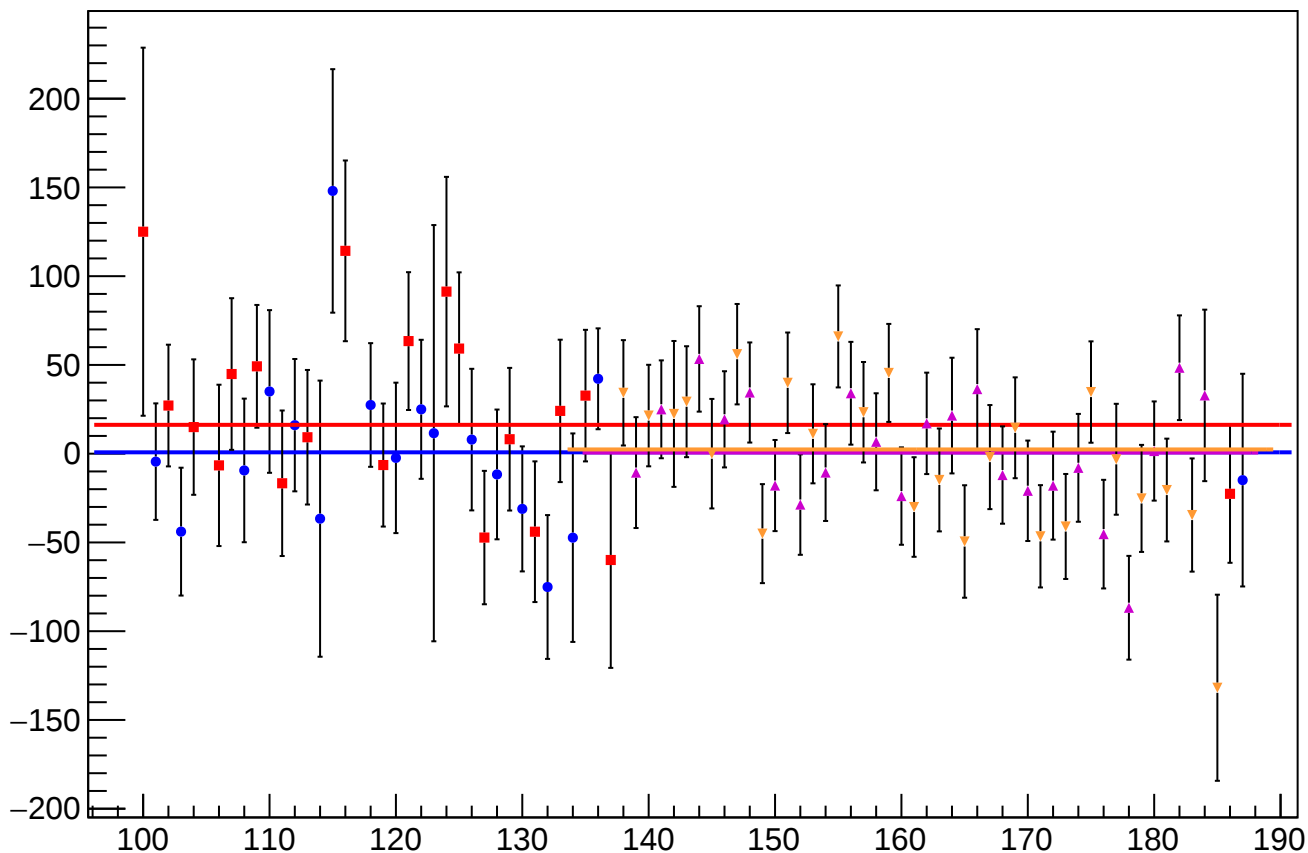
Right: 187.493 $\pm$ 0.038 χ^2 /NDF: 2812149.0/37

In: 186.203 $\pm$ 0.028 χ^2 /NDF:2621776.4/40

Out: 193.898 $\pm$ 0.028 χ^2 /NDF:3582150.0/44

All: 190.015 $\pm$ 0.020 χ^2 /NDF: 6241127.0/85

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.766 ± 9.718 $\chi^2/\text{NDF}: 15.5/17$

Left Out: 2.390 ± 5.980 $\chi^2/\text{NDF}: 39.1/24$

Right Out: 16.252 ± 9.244 $\chi^2/\text{NDF}: 19.5/19$

Left In: 0.641 ± 6.091 $\chi^2/\text{NDF}: 27.3/22$

Left: 1.531 ± 4.267 $\chi^2/\text{NDF}: 66.5/47$

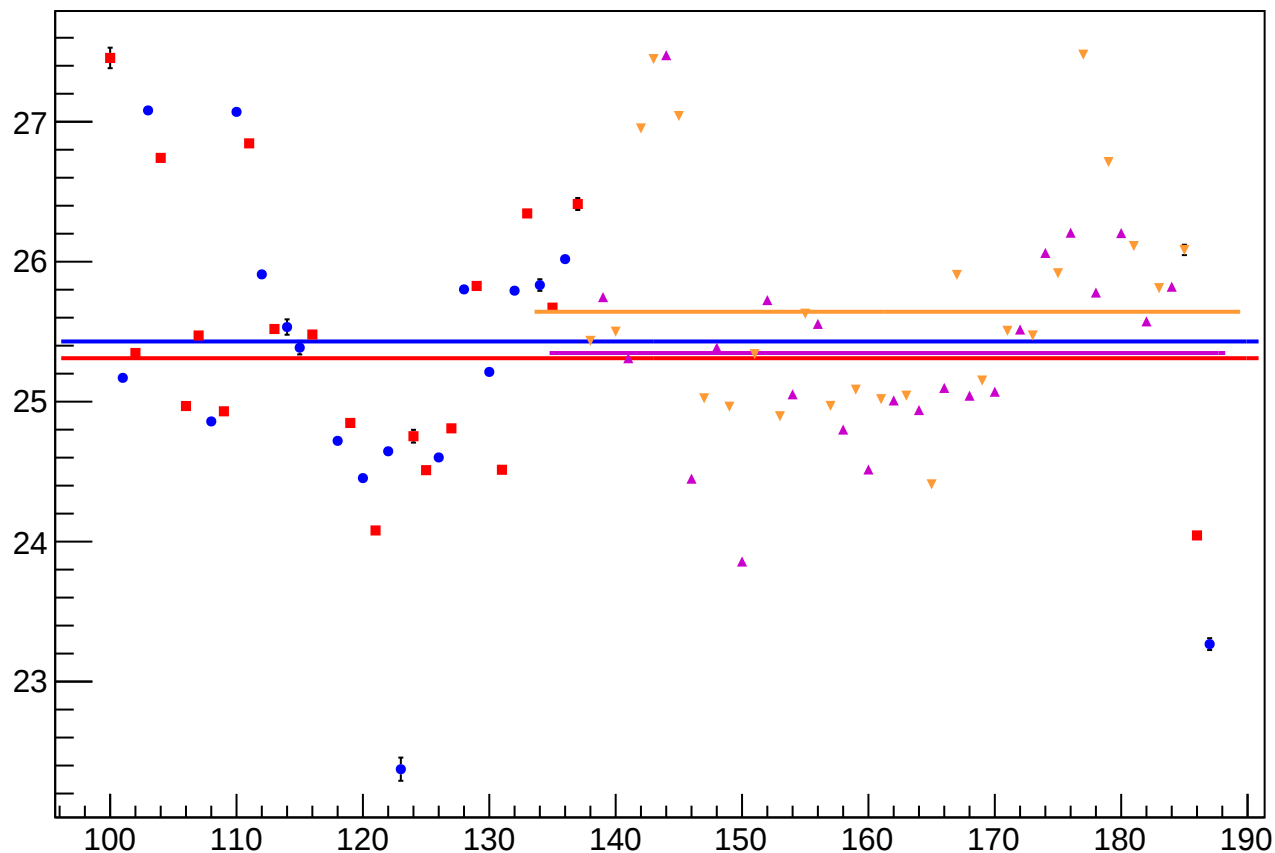
Right: 8.895 ± 6.698 $\chi^2/\text{NDF}: 36.3/37$

In: 0.676 ± 5.161 $\chi^2/\text{NDF}: 42.8/40$

Out: 6.479 ± 5.021 $\chi^2/\text{NDF}: 60.2/44$

All: 3.657 ± 3.599 $\chi^2/\text{NDF}: 103.6/85$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.430 $\pm$ 0.007 χ^2 /NDF: 16543.9/17

Left Out: 25.642 $\pm$ 0.004 χ^2 /NDF:34802.2/24

Right Out: 25.310 $\pm$ 0.007 χ^2 /NDF: 15949.1/19

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

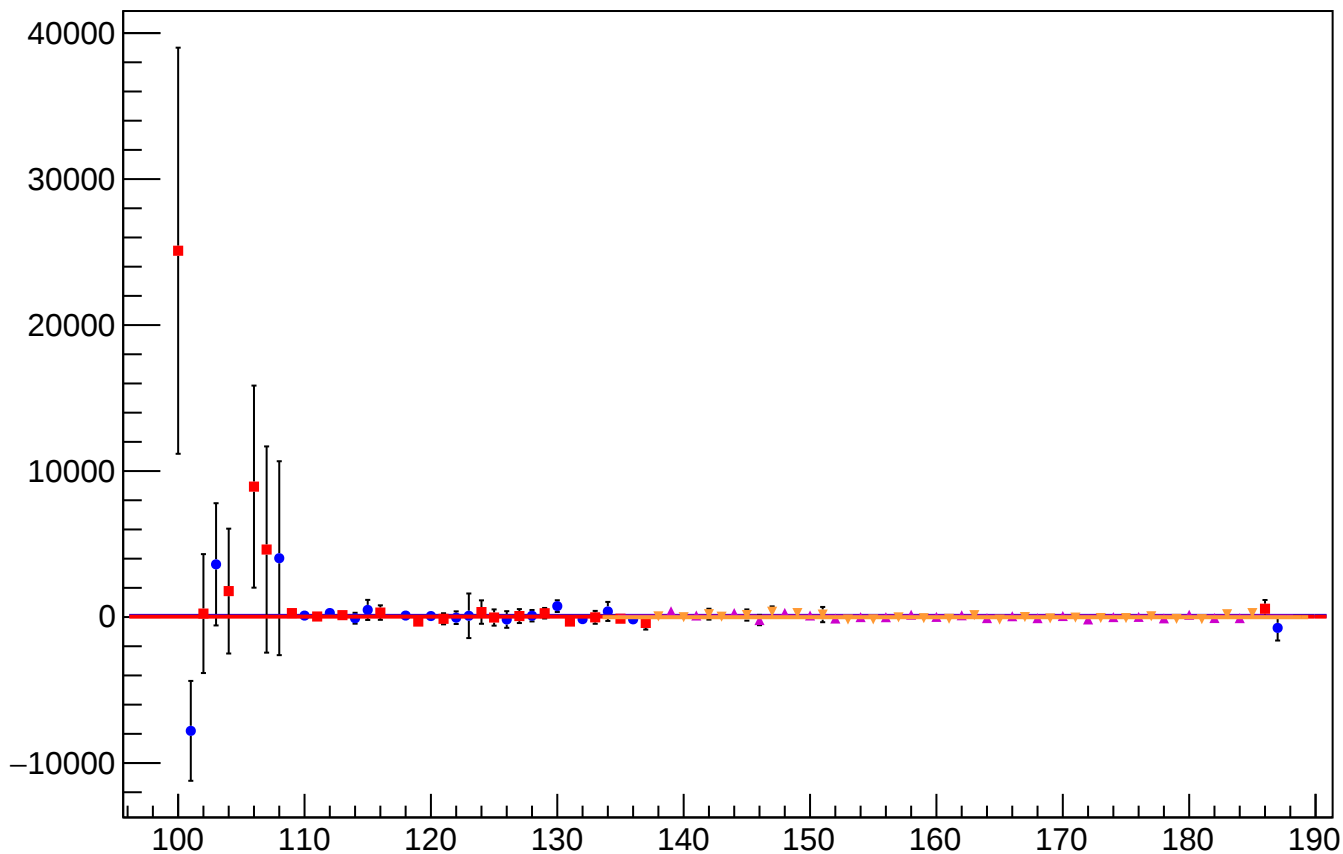
Right: 25.367 $\pm$ 0.005 χ^2 /NDF: 32652.1/37

In: 25.371 $\pm$ 0.004 χ^2 /NDF:46037.1/40

Out: 25.544 $\pm$ 0.004 χ^2 /NDF:52569.3/44

All: 25.460 $\pm$ 0.003 χ^2 /NDF: 99769.9/85

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 80.739+/-87.470 χ^2/NDF : 13.4/17

Left Out: -11.432+/-48.263 χ^2/NDF : 8.0/24

Right Out: 28.738+/-80.194 χ^2/NDF : 12.8/19

Left In: 27.098+/-45.999 χ^2/NDF : 7.2/22

Left: 8.758+/-33.298 χ^2/NDF : 15.5/47

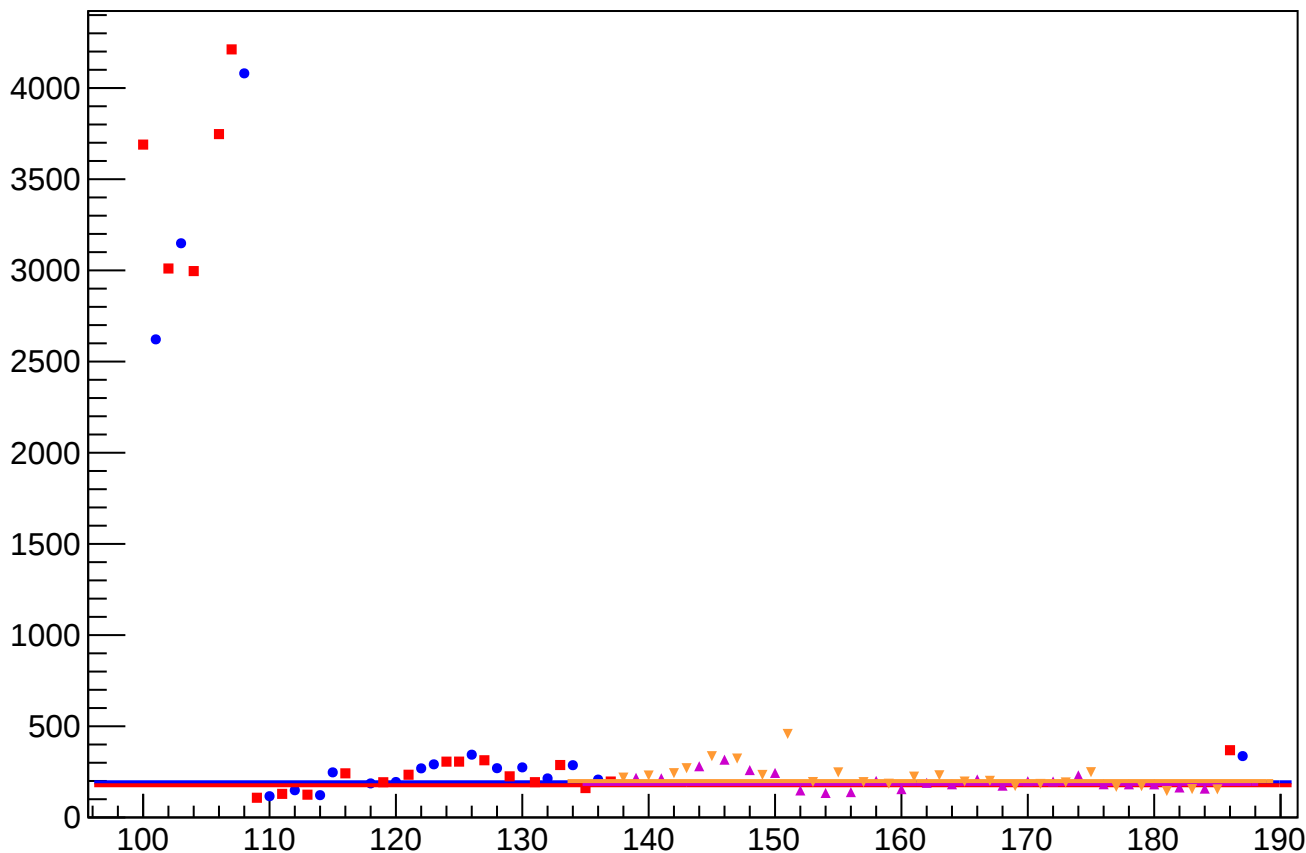
Right: 52.486+/-59.111 χ^2/NDF : 26.4/37

In: 38.718+/-40.712 χ^2/NDF : 20.9/40

Out: -0.751+/-41.352 χ^2/NDF : 21.0/44

All: 19.291+/-29.011 χ^2/NDF : 42.3/85

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.904+/-0.062 χ^2/NDF : 3629147.6/17

Left Out: 199.438+/-0.034 χ^2/NDF : 1877848.7/24

Right Out: 176.580+/-0.057 χ^2/NDF : 4411445.5/19

Left In: 183.805+/-0.033 χ^2/NDF : 1412869.6/22

Left: 191.246+/-0.024 χ^2/NDF : 3400676.1/47

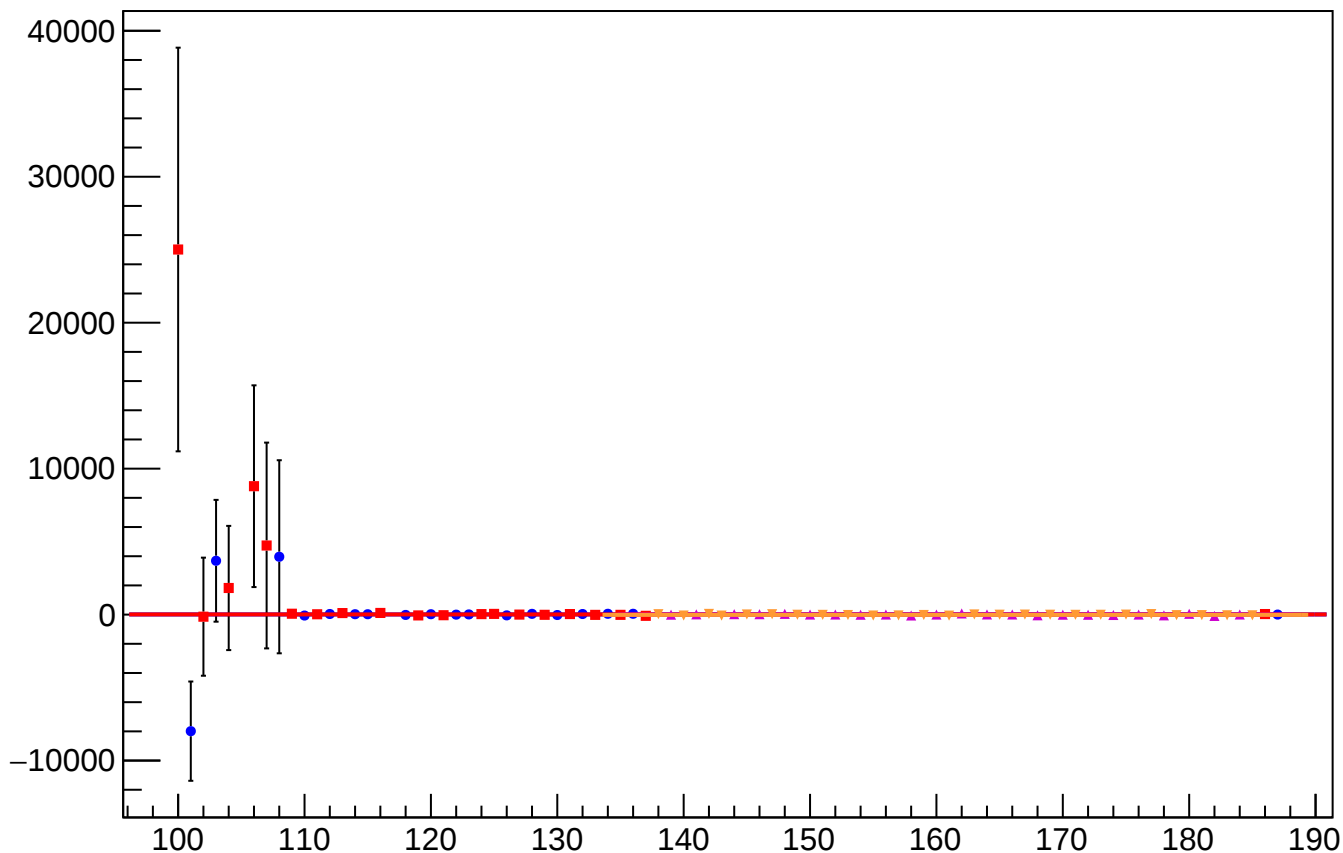
Right: 184.035+/-0.042 χ^2/NDF : 8078436.4/37

In: 185.776+/-0.029 χ^2/NDF : 5058968.8/40

Out: 193.360+/-0.029 χ^2/NDF : 6408579.1/44

All: 189.509+/-0.021 χ^2/NDF : 11501710.2/85

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 11.240+/-12.069 χ^2/NDF : 18.3/17

Left Out: -18.118+/-6.704 χ^2/NDF : 21.7/24

Right Out: 13.271+/-11.938 χ^2/NDF : 24.1/19

Left In: 1.267+/-6.908 χ^2/NDF : 32.0/22

Left: -8.716+/-4.811 χ^2/NDF : 57.8/47

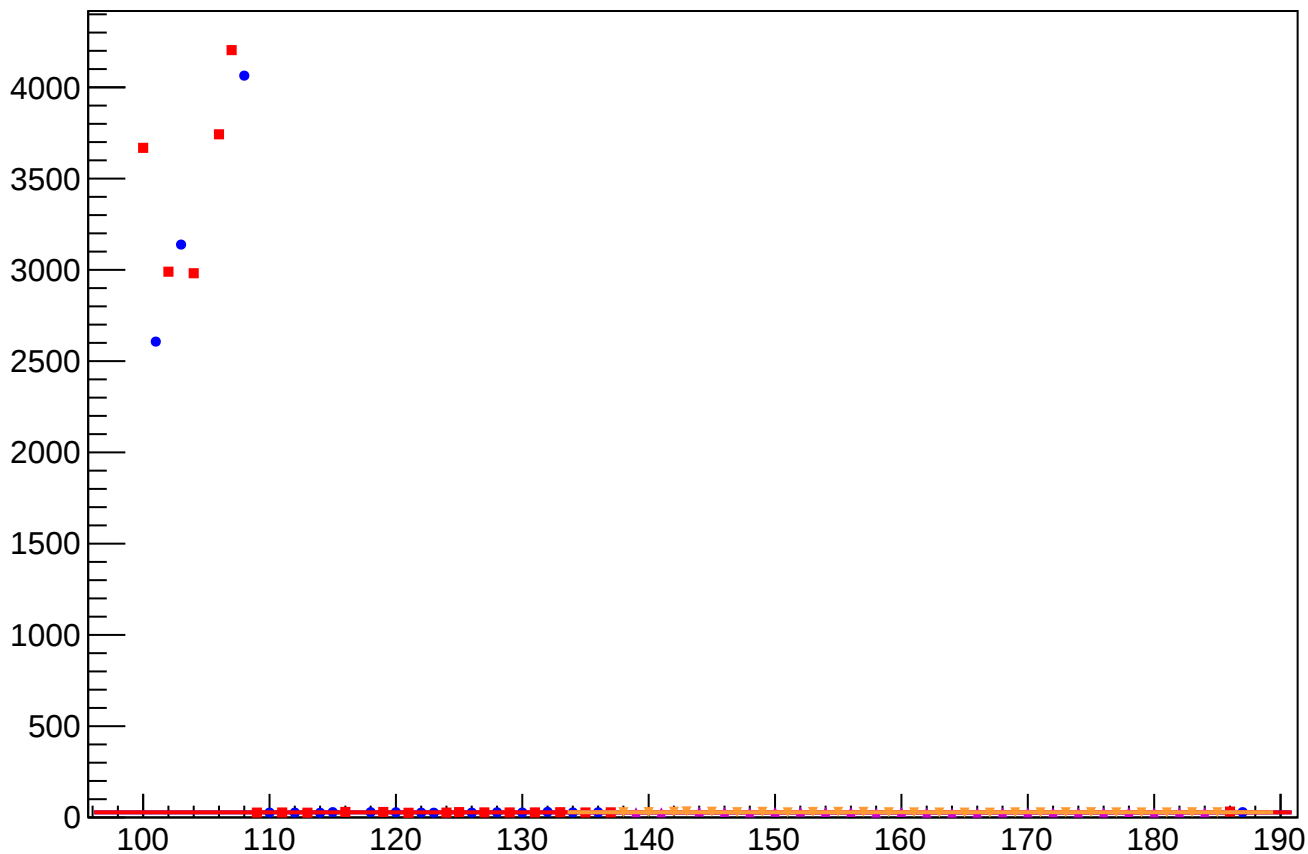
Right: 12.266+/-8.487 χ^2/NDF : 42.4/37

In: 3.728+/-5.995 χ^2/NDF : 50.8/40

Out: -10.593+/-5.845 χ^2/NDF : 51.1/44

All: -3.614+/-4.185 χ^2/NDF : 104.9/85

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.889 $\pm$ 0.009 χ^2 /NDF: 3027439.1/17

Left Out: 28.694 $\pm$ 0.005 χ^2 /NDF: 110466.9/24

Right Out: 27.950 $\pm$ 0.008 χ^2 /NDF: 3491010.9/19

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

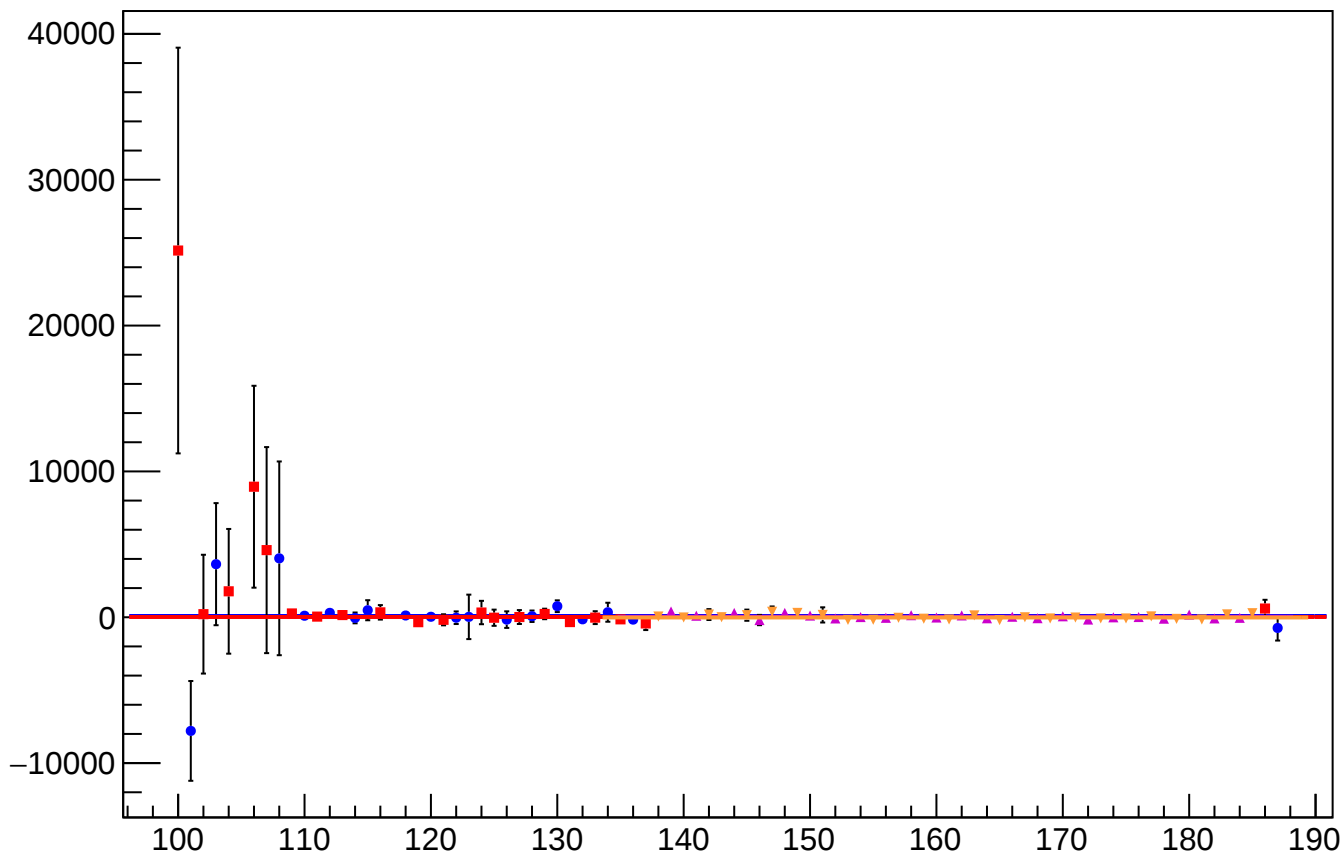
Right: 27.919 $\pm$ 0.006 χ^2 /NDF: 6518476.0/37

In: 28.482 $\pm$ 0.004 χ^2 /NDF: 3157678.2/40

Out: 28.515 $\pm$ 0.004 χ^2 /NDF: 3607383.2/44

All: 28.499 $\pm$ 0.003 χ^2 /NDF: 6765092.7/85

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 85.396+/-87.199 χ^2/NDF : 13.6/17

Left Out: -13.878+/-48.155 χ^2/NDF : 8.8/24

Right Out: 19.587+/-79.941 χ^2/NDF : 13.7/19

Left In: 27.286+/-45.907 χ^2/NDF : 7.5/22

Left: 7.688+/-33.228 χ^2/NDF : 16.7/47

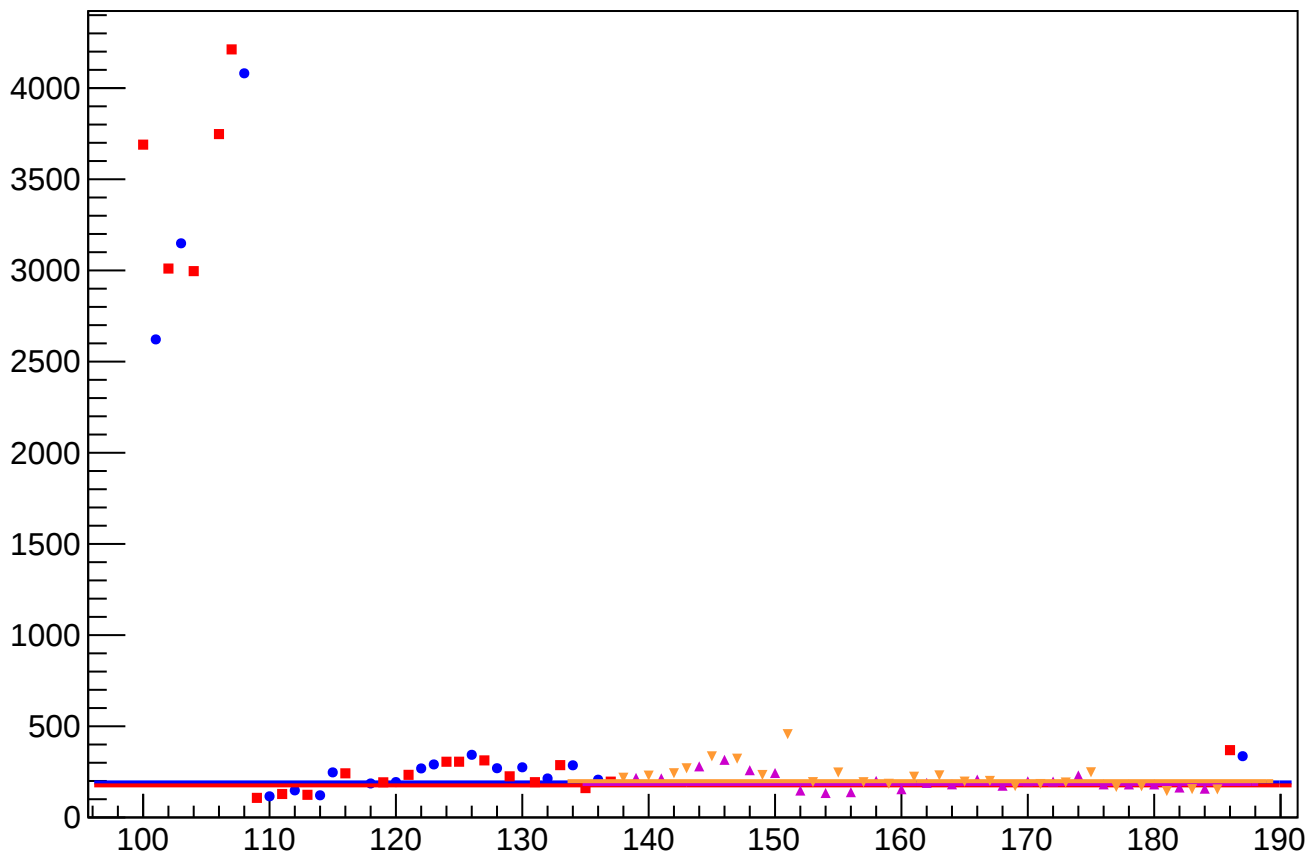
Right: 49.639+/-58.926 χ^2/NDF : 27.6/37

In: 39.897+/-40.622 χ^2/NDF : 21.4/40

Out: -4.968+/-41.249 χ^2/NDF : 22.7/44

All: 17.809+/-28.943 χ^2/NDF : 44.7/85

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.191+/-0.062 χ^2/NDF : 3641346.7/17

Left Out: 198.997+/-0.034 χ^2/NDF : 1877636.0/24

Right Out: 175.903+/-0.057 χ^2/NDF : 4424479.4/19

Left In: 183.442+/-0.032 χ^2/NDF : 1412341.8/22

Left: 190.847+/-0.023 χ^2/NDF : 3399302.2/47

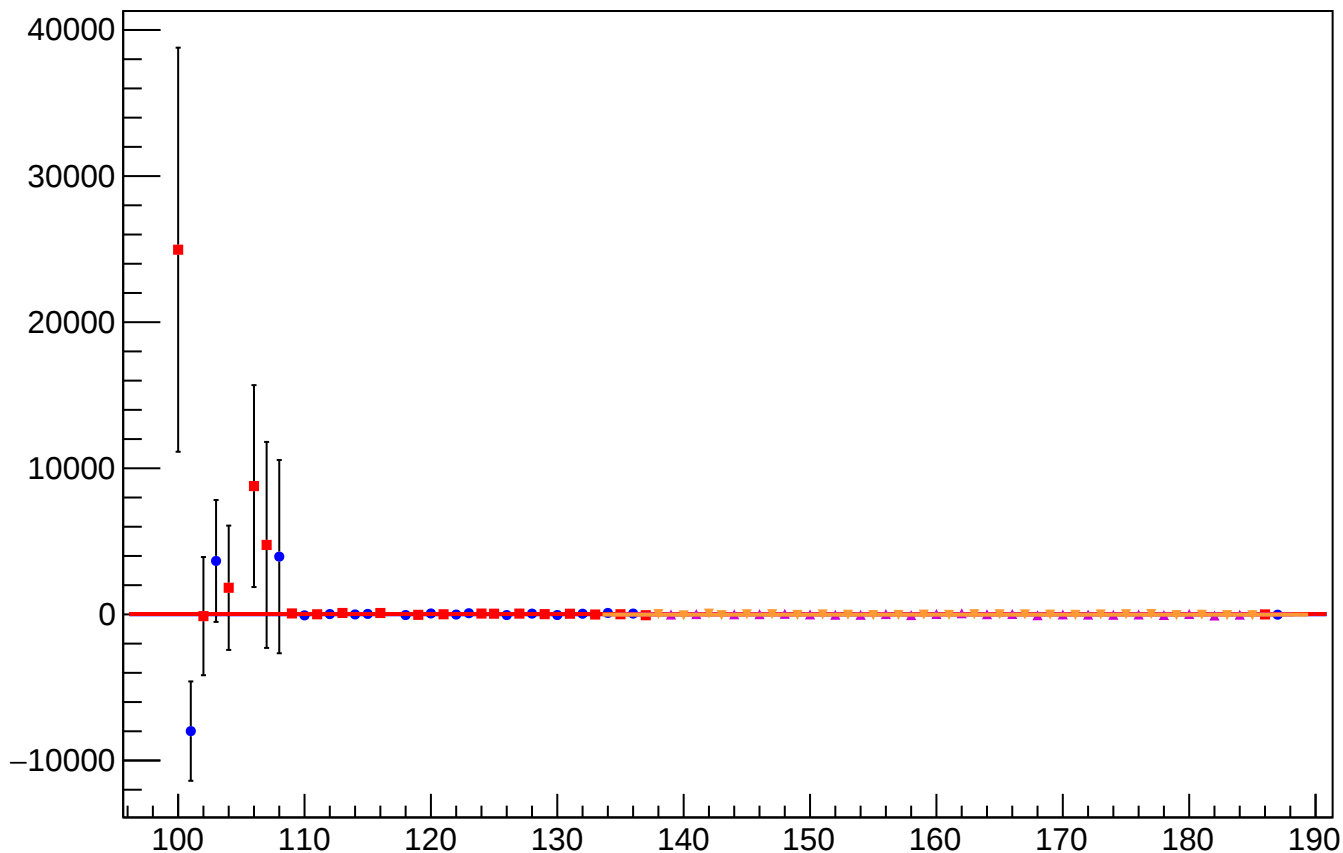
Right: 183.341+/-0.042 χ^2/NDF : 8103739.3/37

In: 185.340+/-0.029 χ^2/NDF : 5069454.1/40

Out: 192.848+/-0.029 χ^2/NDF : 6424577.9/44

All: 189.037+/-0.020 χ^2/NDF : 11527665.6/83

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 8.744 ± 12.147 $\chi^2/\text{NDF}: 22.6/17$

Left Out: -15.829 ± 6.733 $\chi^2/\text{NDF}: 16.5/24$

Right Out: 26.741 ± 12.012 $\chi^2/\text{NDF}: 16.5/19$

Left In: -0.498 ± 6.937 $\chi^2/\text{NDF}: 26.1/22$

Left: -8.392 ± 4.831 $\chi^2/\text{NDF}: 45.1/47$

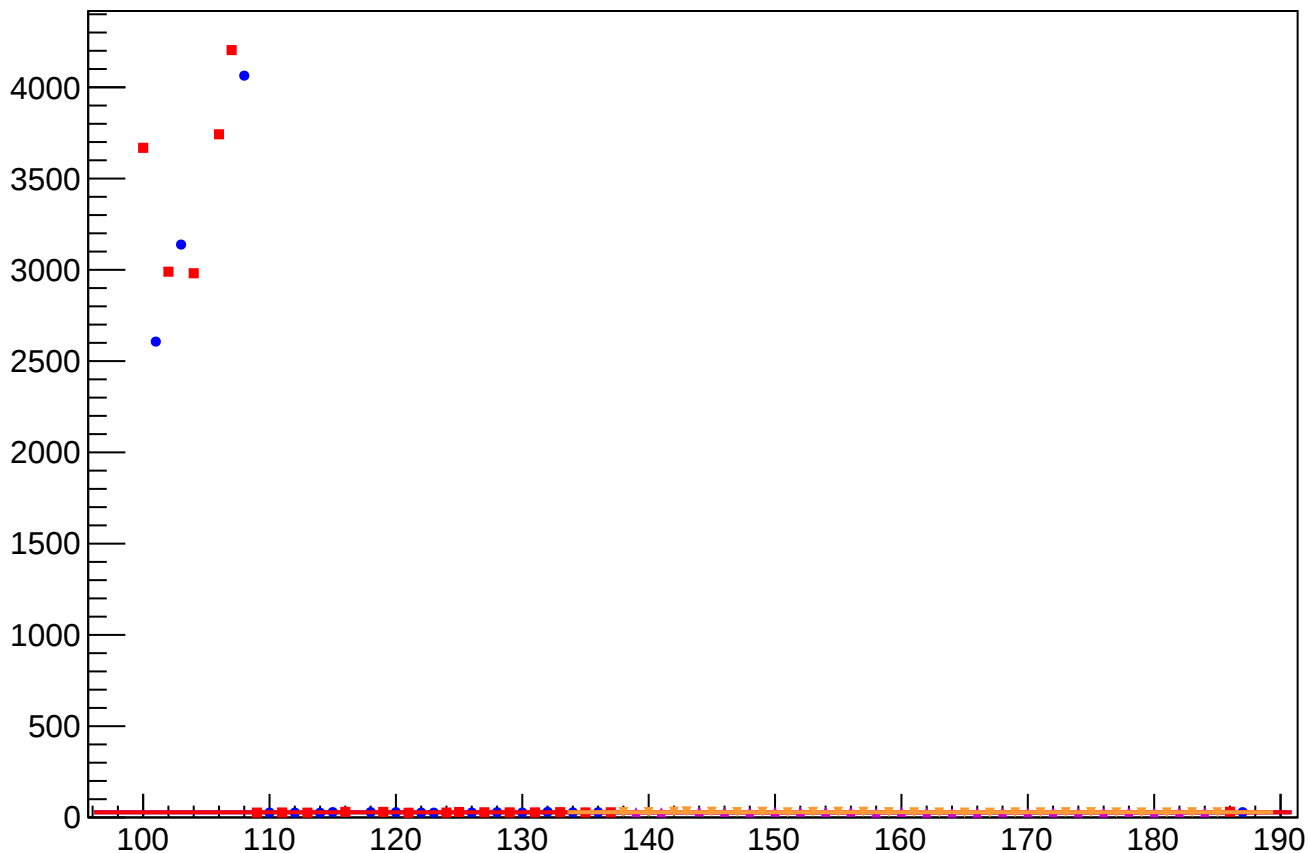
Right: 17.843 ± 8.541 $\chi^2/\text{NDF}: 40.3/37$

In: 1.775 ± 6.024 $\chi^2/\text{NDF}: 49.2/40$

Out: -5.651 ± 5.873 $\chi^2/\text{NDF}: 42.6/44$

All: -2.032 ± 4.205 $\chi^2/\text{NDF}: 92.6/85$

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 28.064+/-0.009 χ^2/NDF : 3027574.7/17

Left Out: 28.814+/-0.005 χ^2/NDF : 122153.6/24

Right Out: 28.125+/-0.008 χ^2/NDF : 3488197.0/19

Left In: 28.797+/-0.005 χ^2/NDF : 128279.2/22

Left: 28.806+/-0.003 χ^2/NDF : 250439.0/47

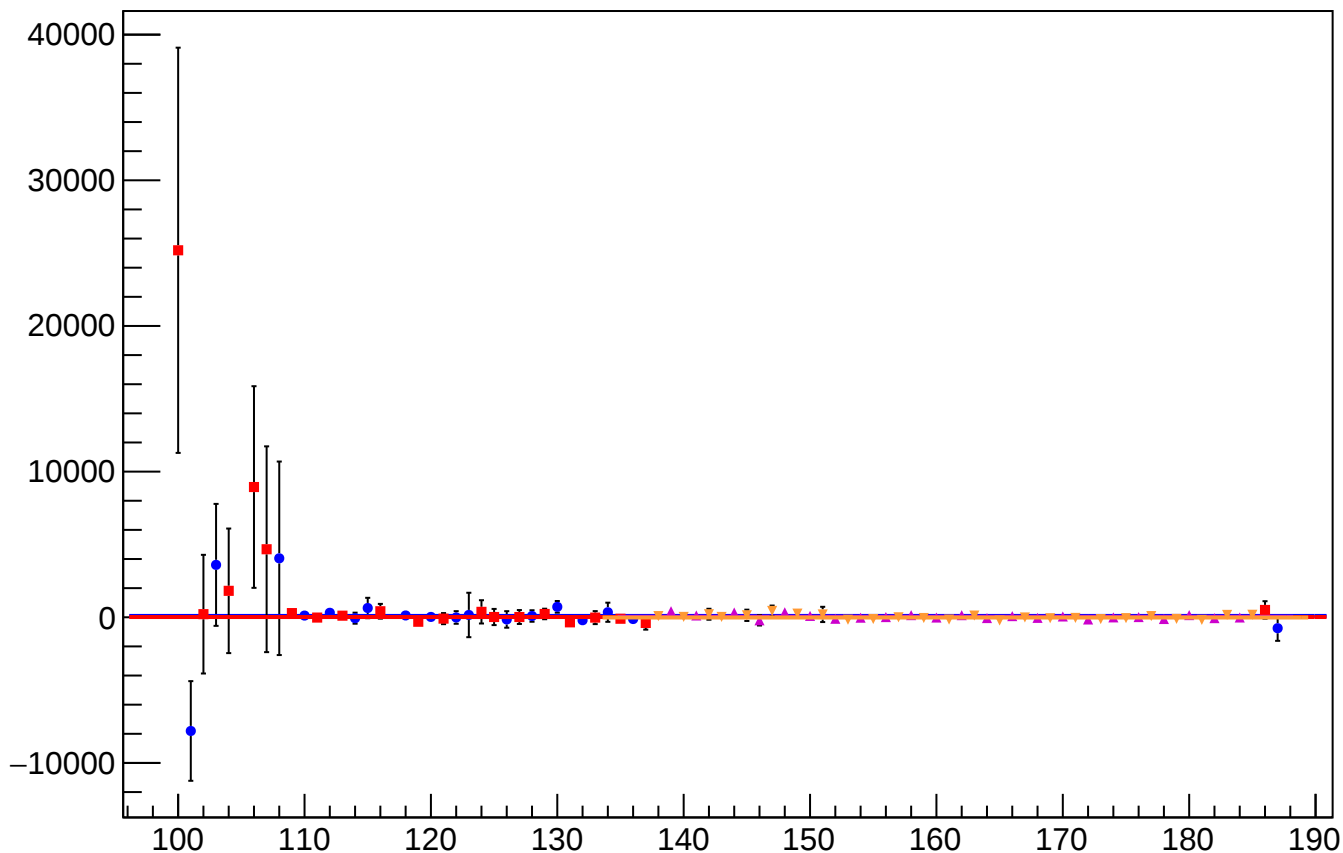
Right: 28.095+/-0.006 χ^2/NDF : 6515797.1/37

In: 28.617+/-0.004 χ^2/NDF : 3161351.7/40

Out: 28.649+/-0.004 χ^2/NDF : 3615366.3/44

All: 28.634+/-0.003 χ^2/NDF : 6776747.8/85

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 92.806+/-88.223 χ^2/NDF : 13.5/17

Left Out: -13.966+/-48.735 χ^2/NDF : 8.1/24

Right Out: 16.951+/-81.005 χ^2/NDF : 12.9/19

Left In: 31.477+/-46.483 χ^2/NDF : 7.8/22

Left: 9.830+/-33.637 χ^2/NDF : 16.4/47

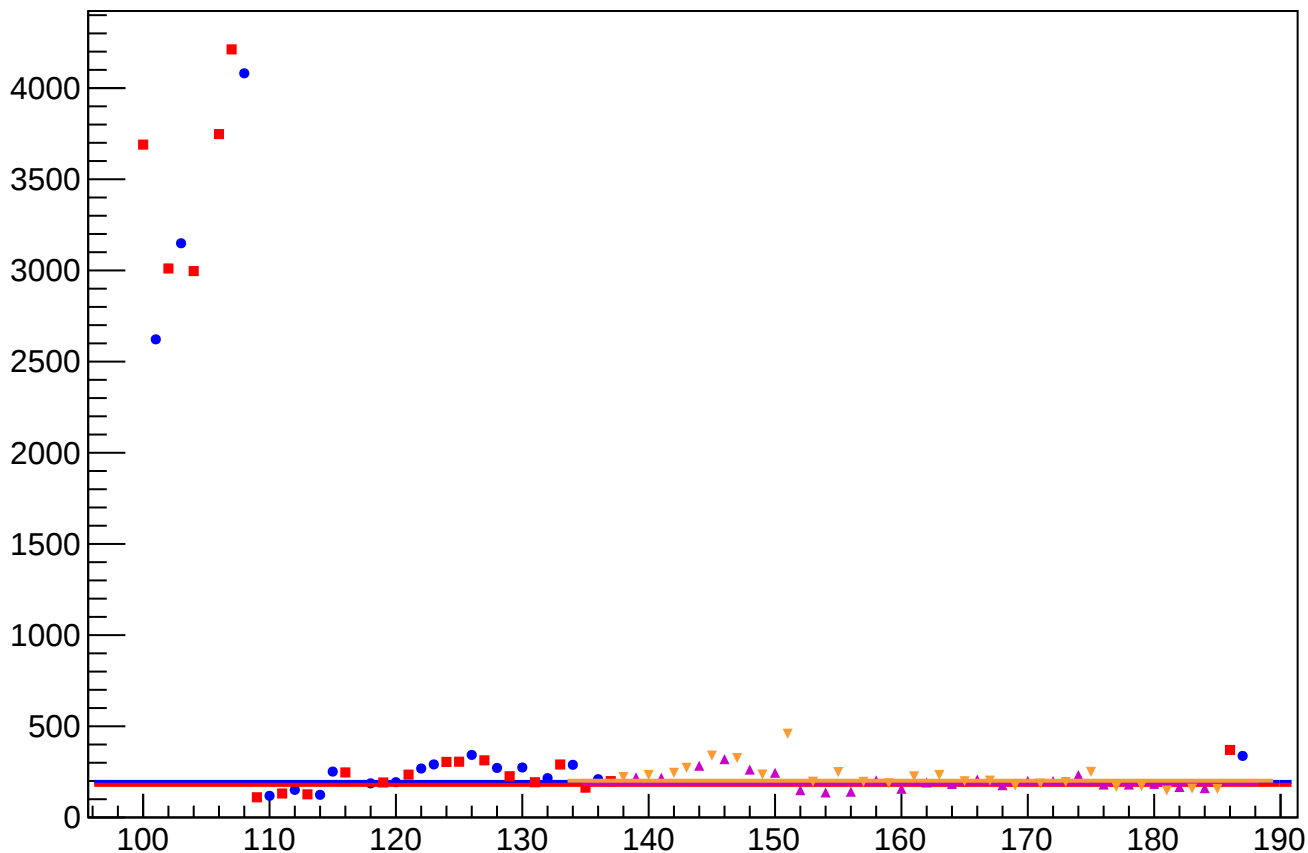
Right: 51.649+/-59.668 χ^2/NDF : 26.8/37

In: 44.803+/-41.124 χ^2/NDF : 21.7/40

Out: -5.749+/-41.760 χ^2/NDF : 21.2/44

All: 19.915+/-29.301 χ^2/NDF : 43.6/85

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.907+/-0.062 χ^2/NDF : 3592755.3/17

Left Out: 201.503+/-0.034 χ^2/NDF : 1854905.1/24

Right Out: 178.823+/-0.057 χ^2/NDF : 4366660.4/19

Left In: 185.878+/-0.033 χ^2/NDF : 1380877.6/22

Left: 193.321+/-0.024 χ^2/NDF : 3343425.2/47

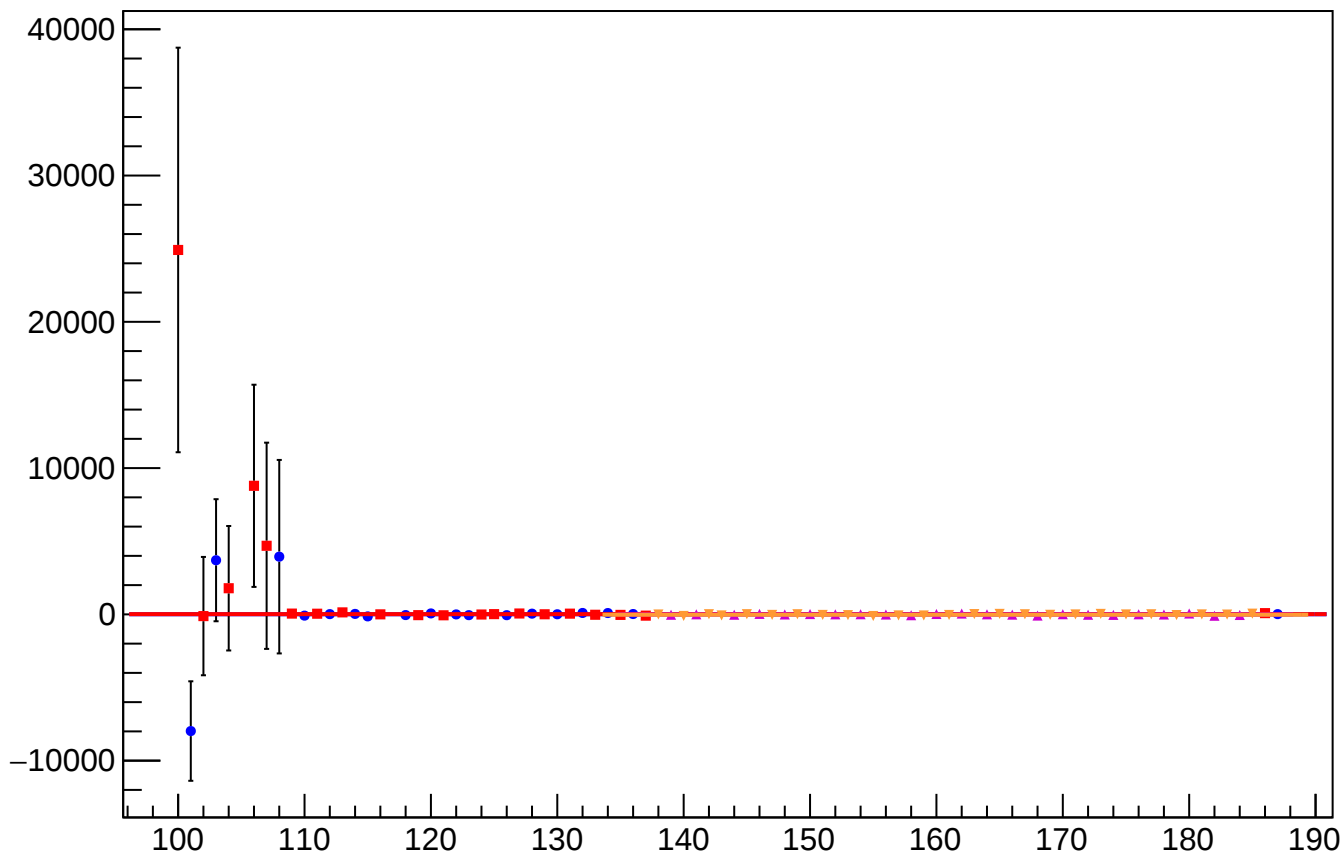
Right: 186.180+/-0.042 χ^2/NDF : 7995486.2/37

In: 187.840+/-0.029 χ^2/NDF : 4990028.5/40

Out: 195.475+/-0.030 χ^2/NDF : 6336683.3/44

All: 191.599+/-0.021 χ^2/NDF : 11360650.9/85

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.464+/-14.776 χ^2/NDF : 20.1/17

Left Out: -24.144+/-8.076 χ^2/NDF : 24.9/24

Right Out: 15.873+/-14.548 χ^2/NDF : 22.6/19

Left In: -5.924+/-8.340 χ^2/NDF : 21.0/22

Left: -15.326+/-5.802 χ^2/NDF : 48.4/47

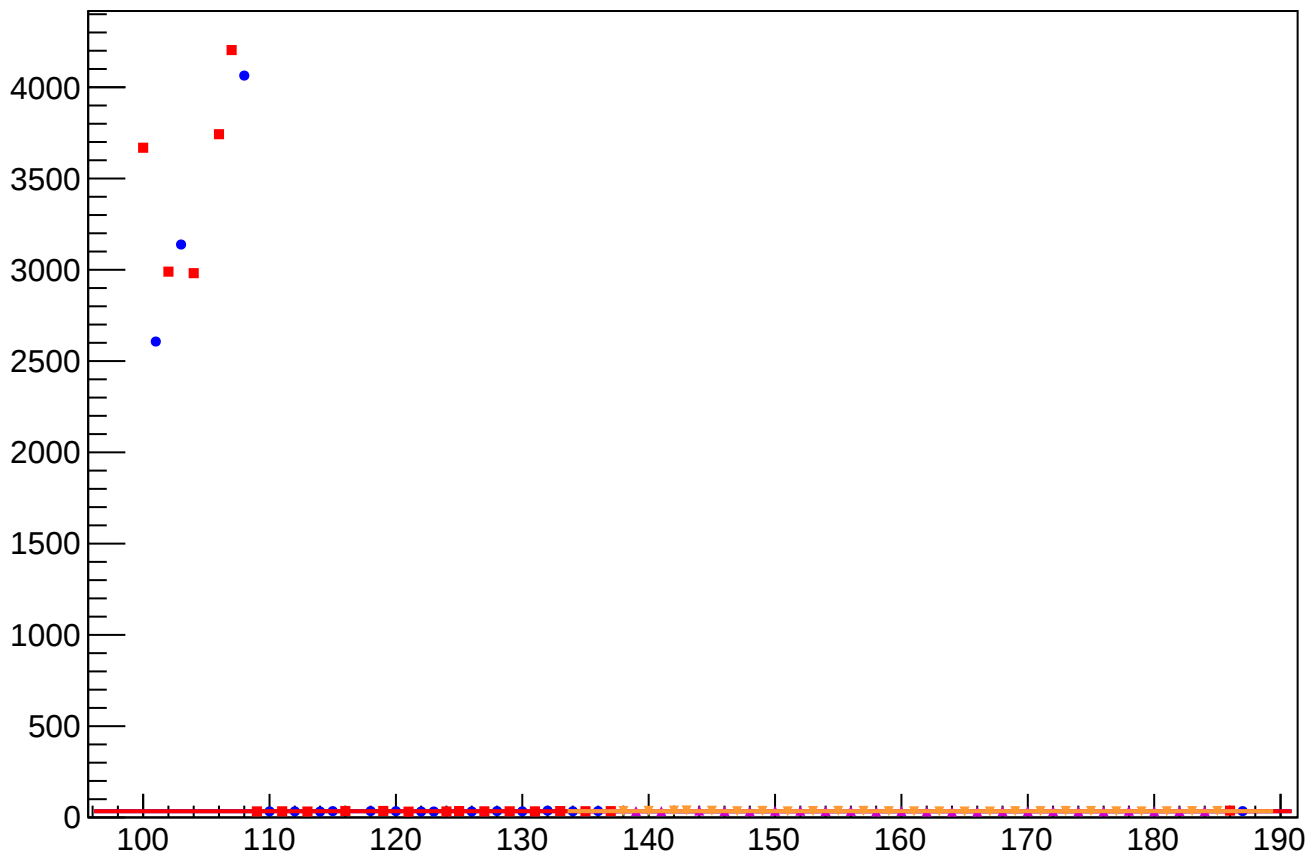
Right: 11.242+/-10.367 χ^2/NDF : 42.9/37

In: -2.931+/-7.263 χ^2/NDF : 41.6/40

Out: -14.716+/-7.061 χ^2/NDF : 53.3/44

All: -8.990+/-5.063 χ^2/NDF : 96.2/85

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 34.179+/-0.010 χ^2/NDF : 3006162.0/17

Left Out: 34.617+/-0.006 χ^2/NDF : 57868.4/24

Right Out: 34.131+/-0.010 χ^2/NDF : 3457990.6/19

Left In: 34.682+/-0.006 χ^2/NDF : 59834.3/22

Left: 34.649+/-0.004 χ^2/NDF : 117764.0/47

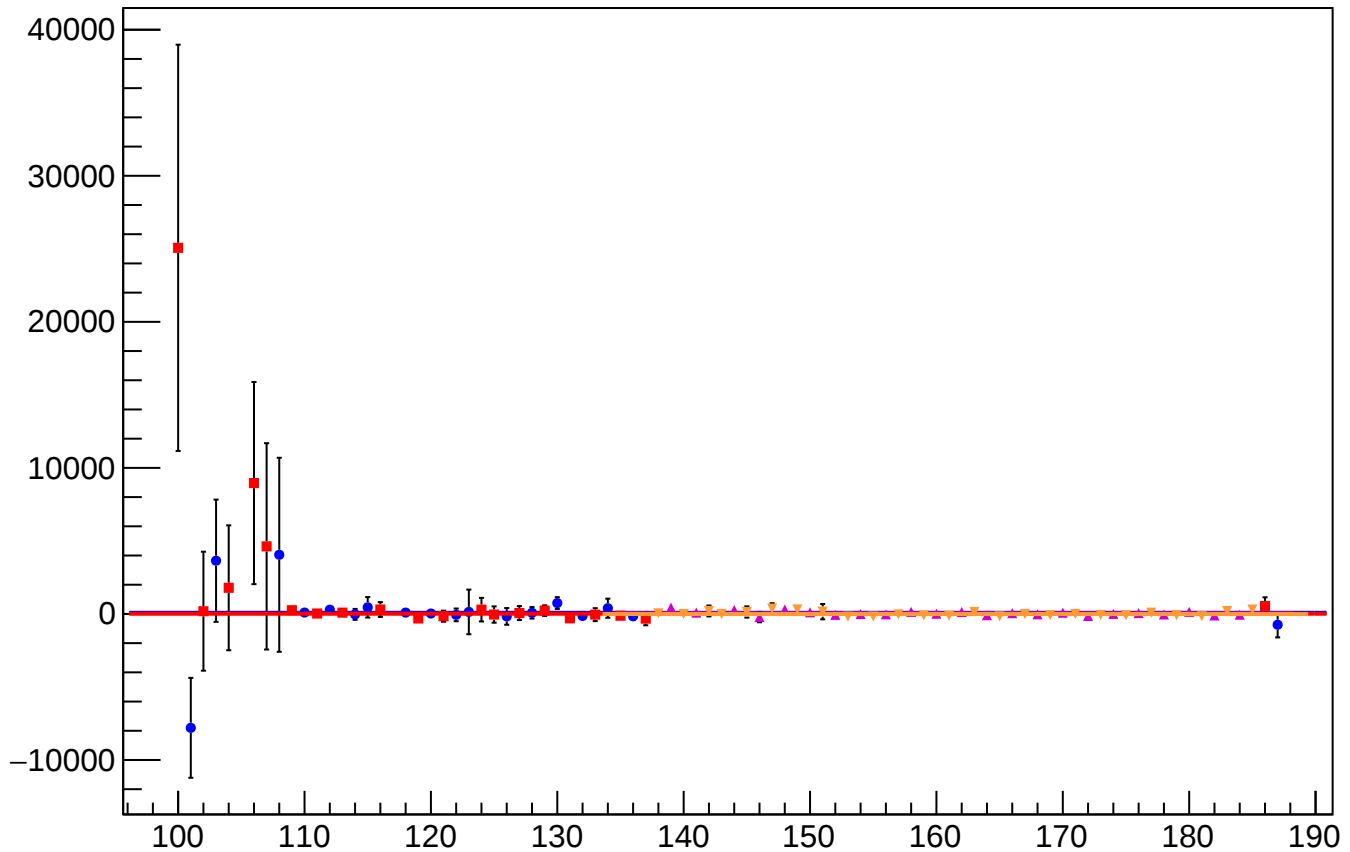
Right: 34.154+/-0.007 χ^2/NDF : 6464163.4/37

In: 34.560+/-0.005 χ^2/NDF : 3067753.8/40

Out: 34.503+/-0.005 χ^2/NDF : 3517571.7/44

All: 34.531+/-0.004 χ^2/NDF : 6585389.9/85

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 78.269+/-87.789 χ^2/NDF : 13.4/17

Left Out: -7.558+/-48.662 χ^2/NDF : 8.8/24

Right Out: 13.443+/-80.496 χ^2/NDF : 11.9/19

Left In: 34.977+/-46.421 χ^2/NDF : 7.1/22

Left: 14.712+/-33.589 χ^2/NDF : 16.3/47

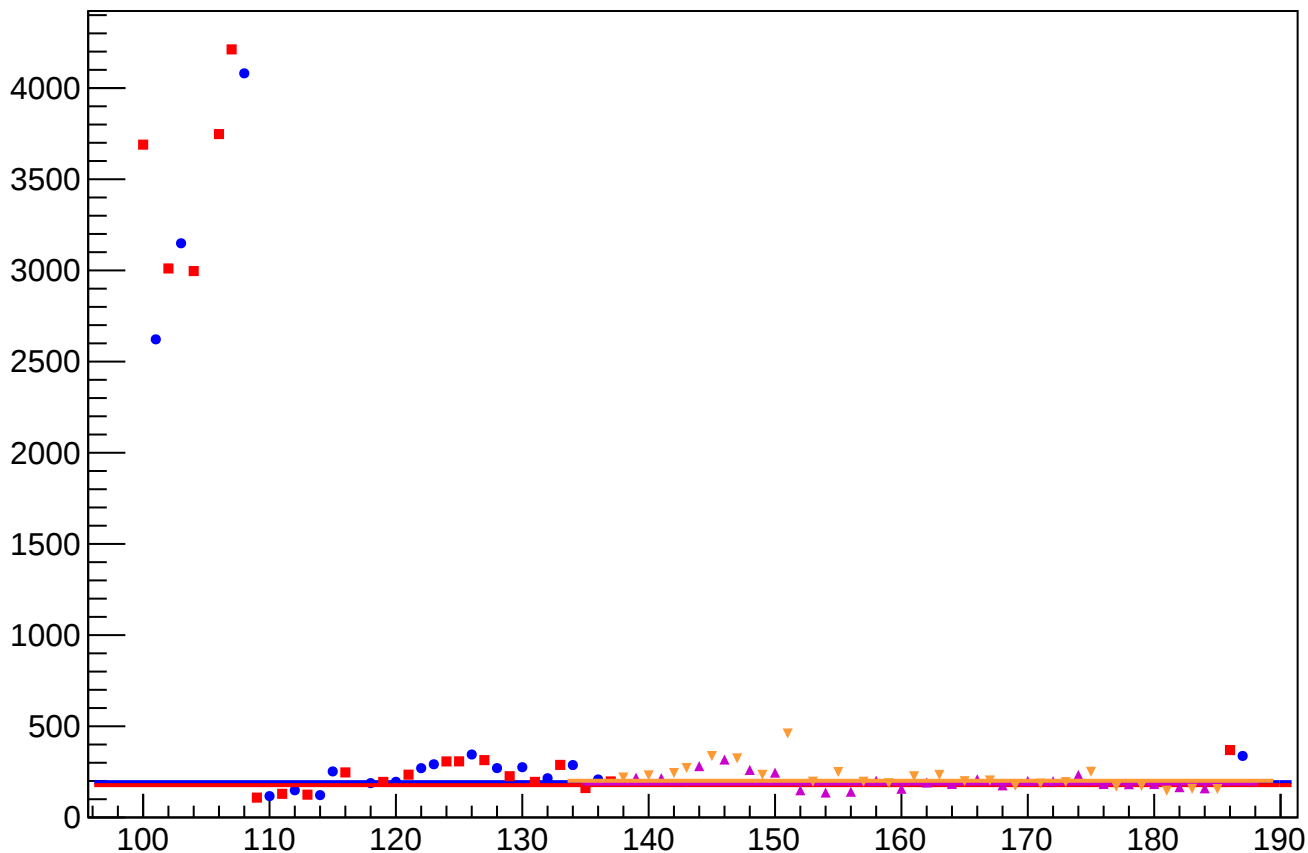
Right: 43.052+/-59.330 χ^2/NDF : 25.6/37

In: 44.437+/-41.037 χ^2/NDF : 20.7/40

Out: -1.937+/-41.644 χ^2/NDF : 20.7/44

All: 21.590+/-29.230 χ^2/NDF : 42.0/85

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.604 $\pm$ 0.062 χ^2 /NDF: 3630752.4/17

Left Out: 201.198 $\pm$ 0.034 χ^2 /NDF:1848437.4/24

Right Out: 177.256 $\pm$ 0.057 χ^2 /NDF: 4415157.9/19

Left In: 185.627 $\pm$ 0.033 χ^2 /NDF:1371411.2/22

Left: 193.046 $\pm$ 0.024 χ^2 /NDF: 3327061.1/47

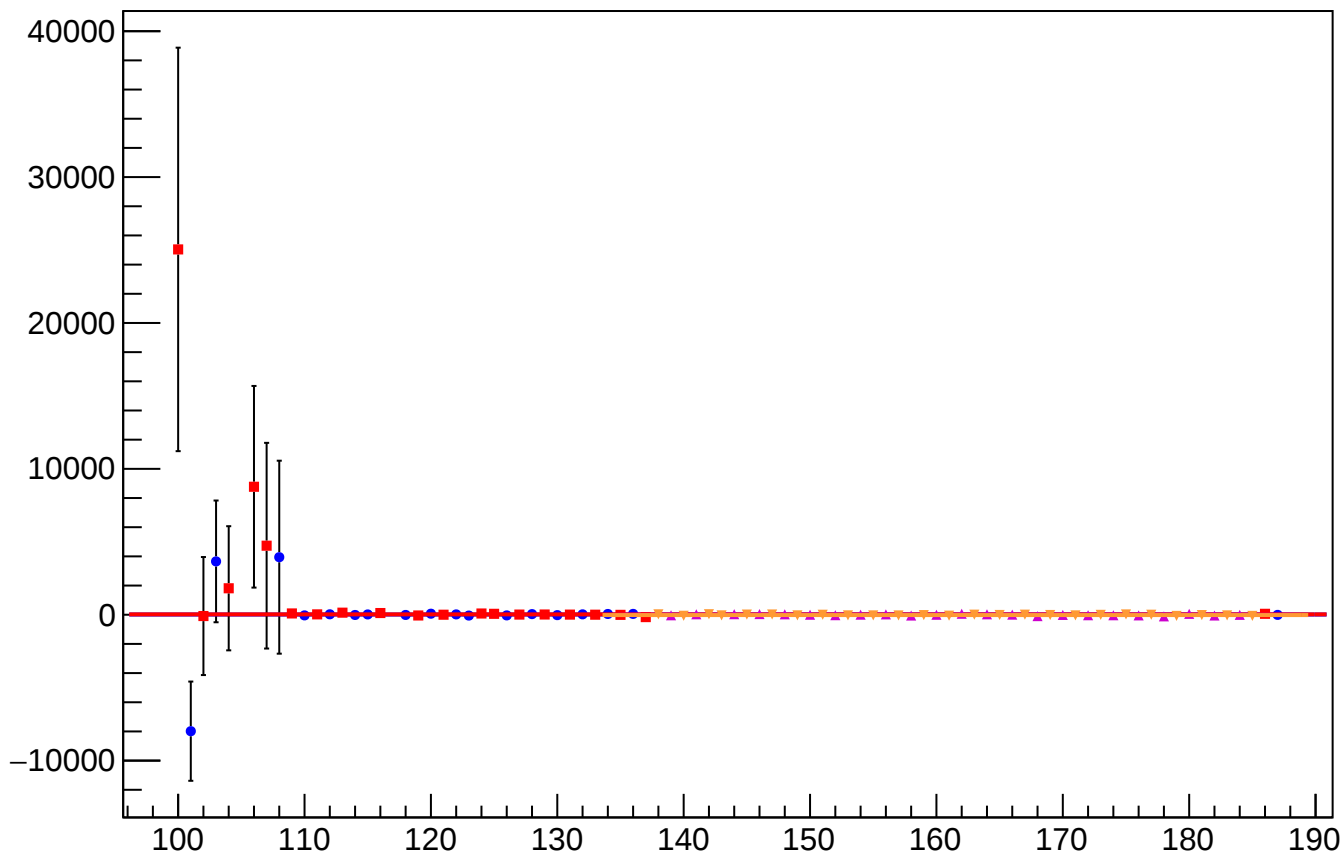
Right: 184.723 $\pm$ 0.042 χ^2 /NDF: 8083589.6/37

In: 187.370 $\pm$ 0.029 χ^2 /NDF:5015067.3/40

Out: 194.790 $\pm$ 0.029 χ^2 /NDF:6393178.1/44

All: 191.026 $\pm$ 0.021 χ^2 /NDF: 11440458.2/85

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 13.551 $\pm$ 13.472 χ^2 /NDF: 14.9/17

Left Out: -23.320 $\pm$ 7.352 χ^2 /NDF:18.3/24

Right Out: 25.143 $\pm$ 13.303 χ^2 /NDF: 27.8/19

Left In: -6.386 $\pm$ 7.577 χ^2 /NDF:38.7/22

Left: -15.108 $\pm$ 5.276 χ^2 /NDF: 59.6/47

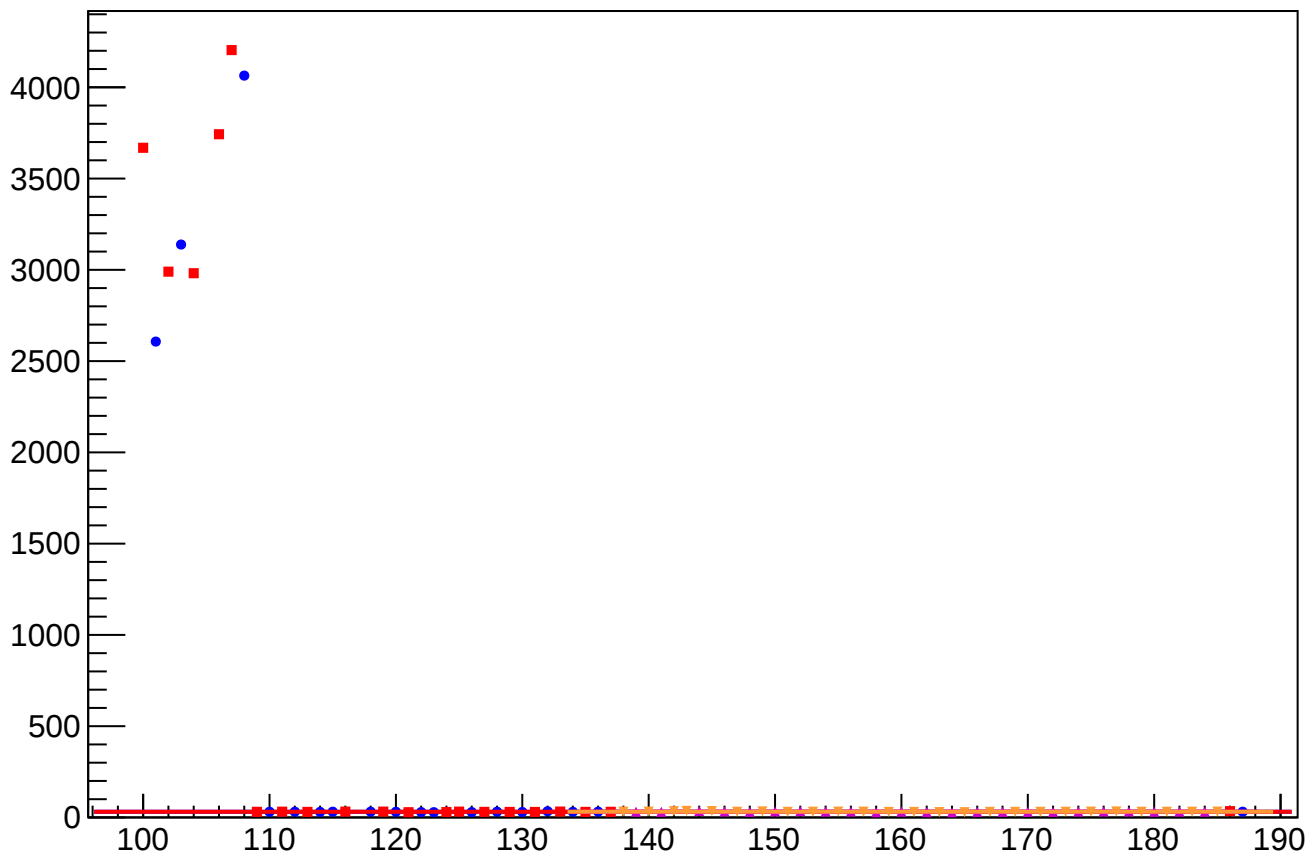
Right: 19.421 $\pm$ 9.466 χ^2 /NDF: 43.1/37

In: -1.595 $\pm$ 6.604 χ^2 /NDF:55.3/40

Out: -11.982 $\pm$ 6.435 χ^2 /NDF:56.3/44

All: -6.923 $\pm$ 4.609 χ^2 /NDF: 112.8/85

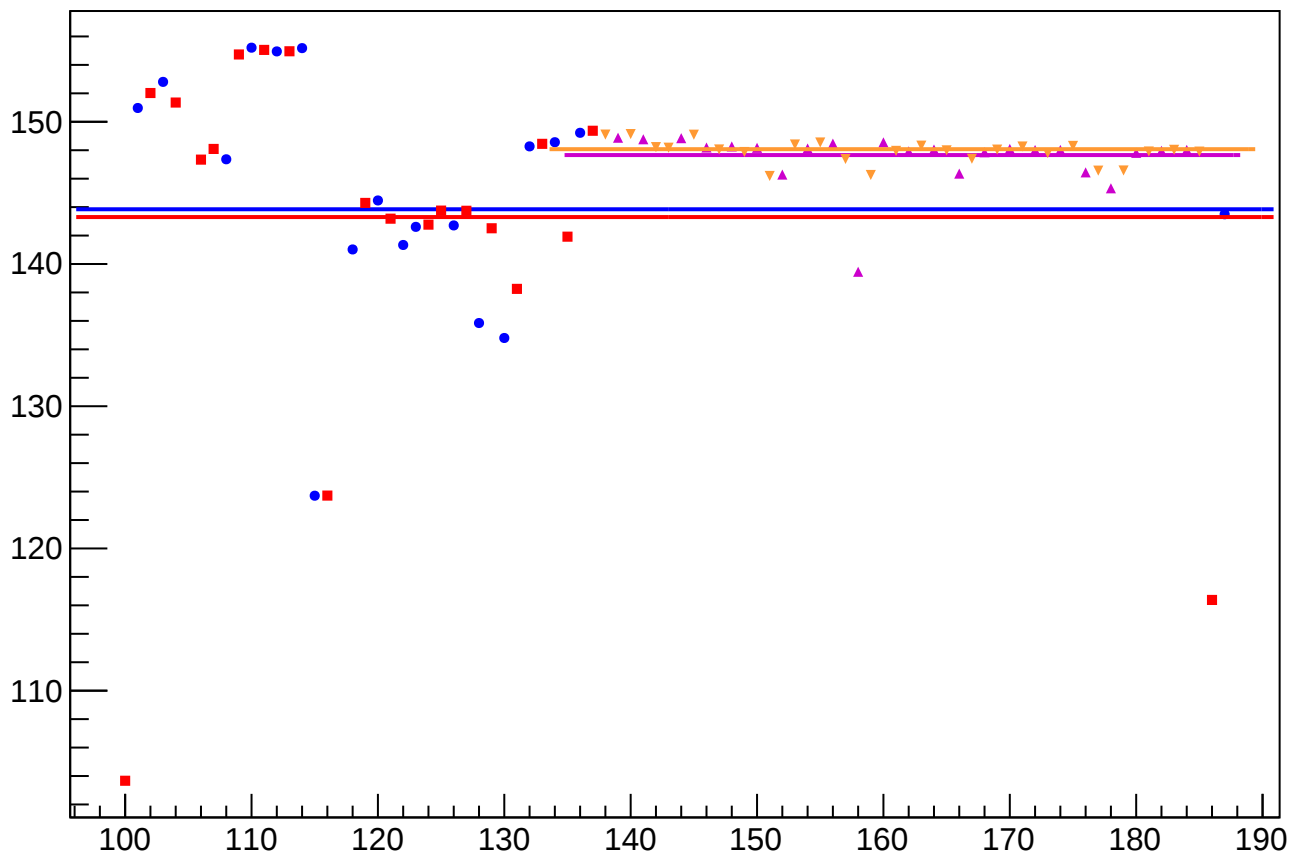
asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 31.163+/-0.010 χ^2/NDF : 3014178.2/17
 Left Out: 31.488+/-0.005 χ^2/NDF : 81938.2/24
 Right Out: 31.188+/-0.009 χ^2/NDF : 3466638.6/19
 Left In: 31.475+/-0.005 χ^2/NDF : 87797.5/22

Left: 31.482+/-0.004 χ^2/NDF : 169738.8/47
 Right: 31.176+/-0.007 χ^2/NDF : 6480820.1/37
 In: 31.400+/-0.005 χ^2/NDF : 3102792.1/40
 Out: 31.418+/-0.005 χ^2/NDF : 3549360.2/44
 All: 31.409+/-0.003 χ^2/NDF : 6652159.7/85

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.849 $\pm$ 0.000 χ^2 /NDF: 3448402978.1/17

Left Out: 148.074 $\pm$ 0.000 χ^2 /NDF: 65673678.9/24

Right Out: 143.301 $\pm$ 0.000 χ^2 /NDF: 6071566594.1/19

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

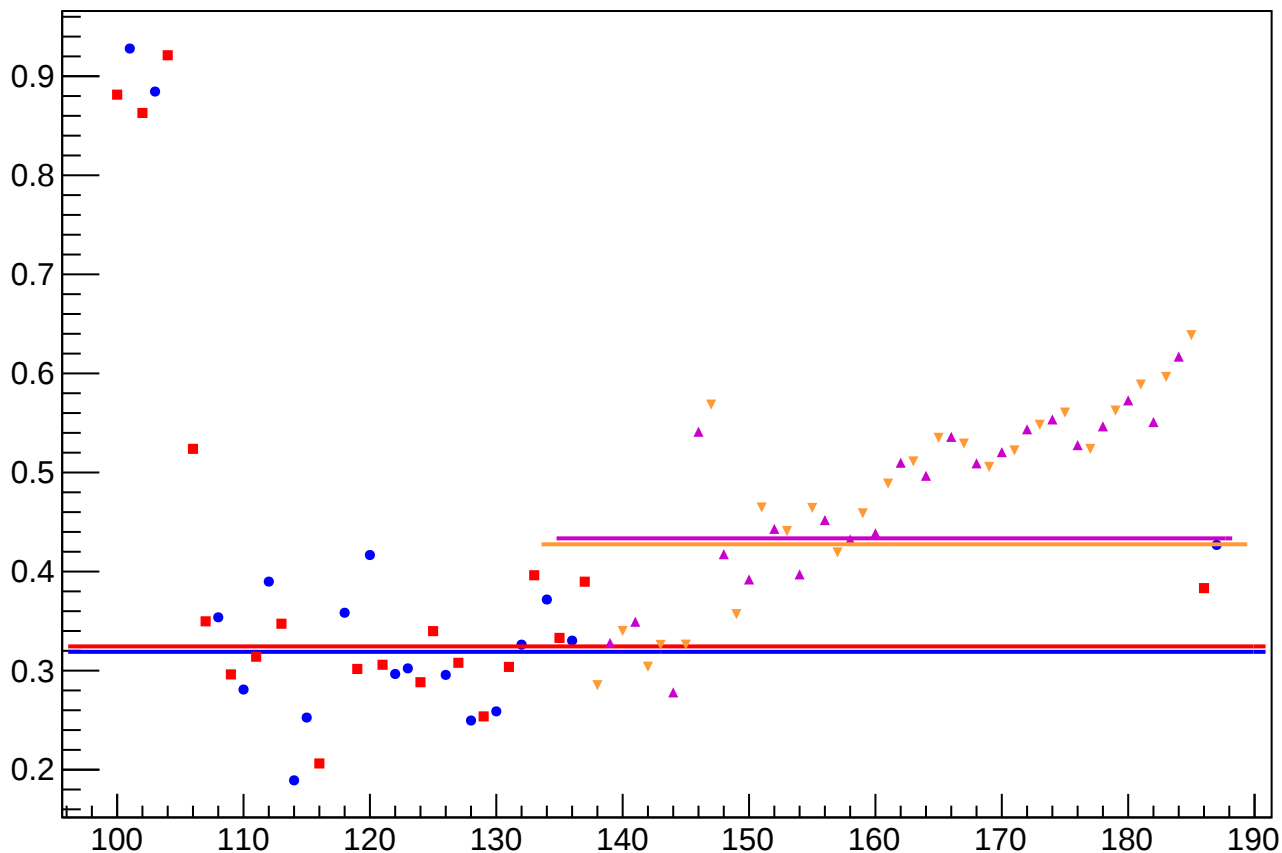
Right: 143.568 $\pm$ 0.000 χ^2 /NDF: 9528590727.3/37

In: 146.155 $\pm$ 0.000 χ^2 /NDF: 4284816531.8/40

Out: 146.218 $\pm$ 0.000 χ^2 /NDF: 6957436673.5/44

All: 146.188 $\pm$ 0.000 χ^2 /NDF: 11242541740.

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.319 $\pm$ 0.000 χ^2 /NDF: 1291491.6/17

Left Out: 0.428 $\pm$ 0.000 χ^2 /NDF:1892802.8/24

Right Out: 0.324 $\pm$ 0.000 χ^2 /NDF: 1233247.1/19

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

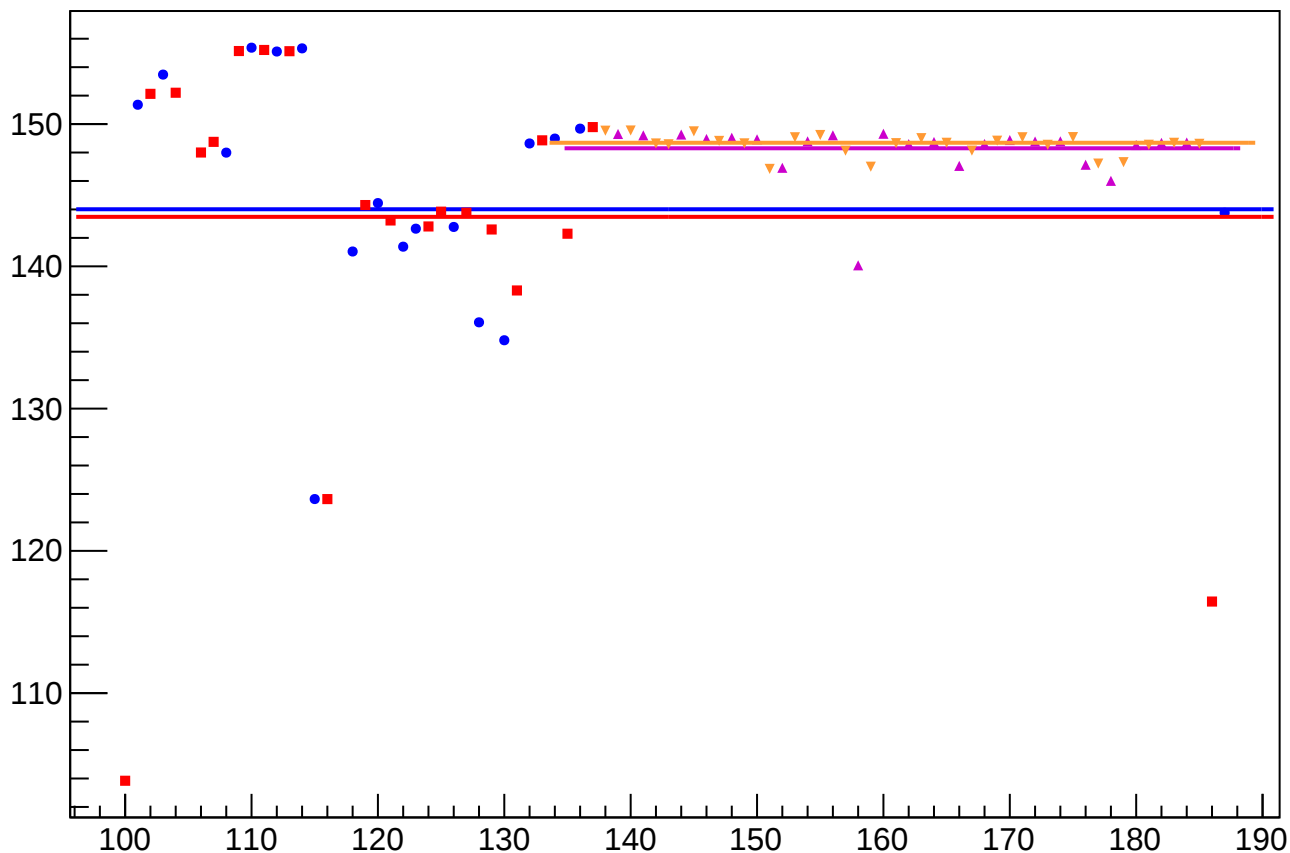
Right: 0.322 $\pm$ 0.000 χ^2 /NDF: 2526463.6/37

In: 0.388 $\pm$ 0.000 χ^2 /NDF:3660353.5/40

Out: 0.387 $\pm$ 0.000 χ^2 /NDF:3891007.0/44

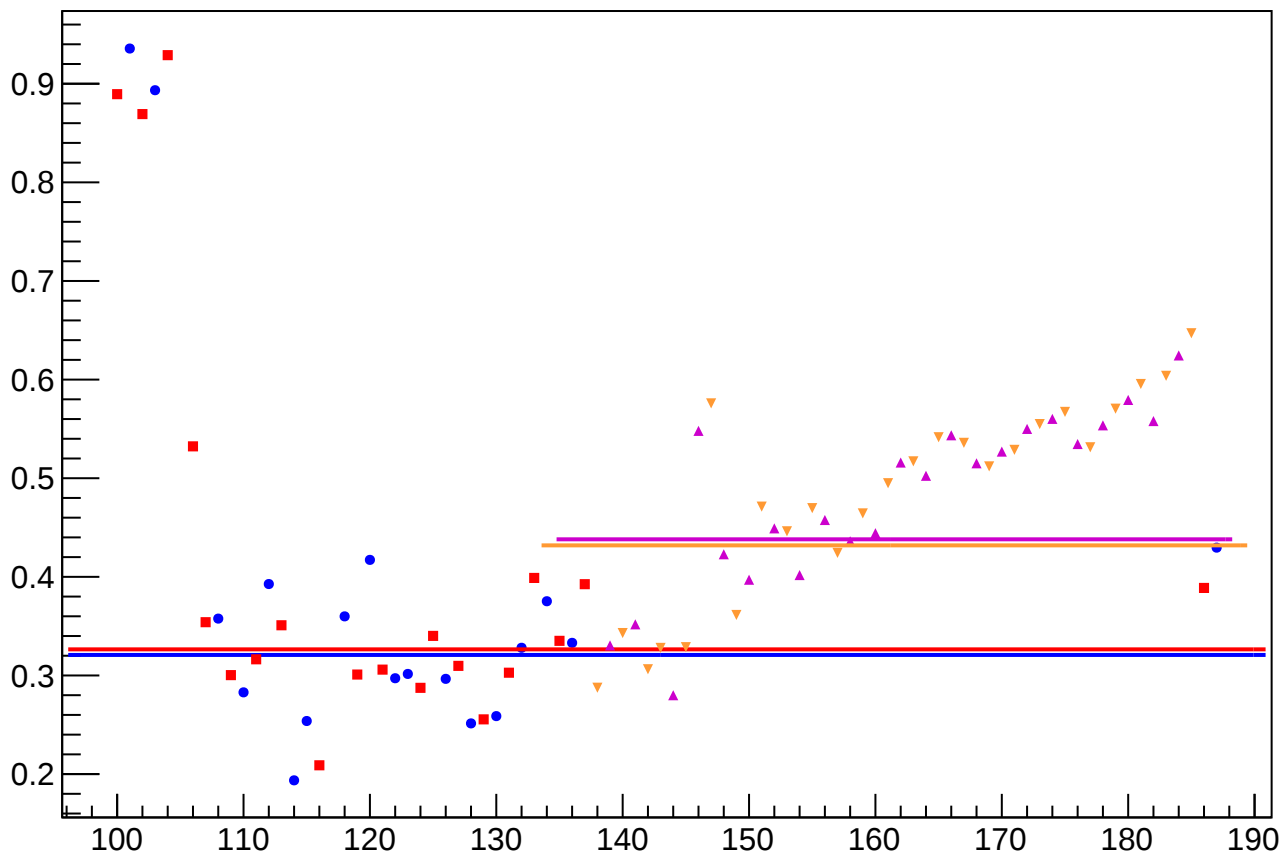
All: 0.388 $\pm$ 0.000 χ^2 /NDF: 7551462.5/85

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.013 $\pm$ 0.000	χ^2 /NDF: 3492269657.2/17	Left: 148.500 $\pm$ 0.000	χ^2 /NDF: 391414535.1/47
Left Out: 148.687 $\pm$ 0.000	χ^2 /NDF: 52285197.5/24	Right: 143.739 $\pm$ 0.000	χ^2 /NDF: 9558623267.5/37
Right Out: 143.479 $\pm$ 0.000	χ^2 /NDF: 6058269547.2/19	In: 146.595 $\pm$ 0.000	χ^2 /NDF: 4437745096.5/40
Left In: 148.298 $\pm$ 0.000	χ^2 /NDF: 332527463.6/22	Out: 146.651 $\pm$ 0.000	χ^2 /NDF: 7071590272.6/44
		All: 146.624 $\pm$ 0.000	χ^2 /NDF: 11509560813.

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF : 1293131.8/17

Left Out: 0.432+/-0.000 χ^2/NDF :1924979.0/24

Right Out: 0.326+/-0.000 χ^2/NDF : 1237167.2/19

Left In: 0.438+/-0.000 χ^2/NDF :1504635.6/22

Left: 0.435+/-0.000 χ^2/NDF : 3432903.3/47

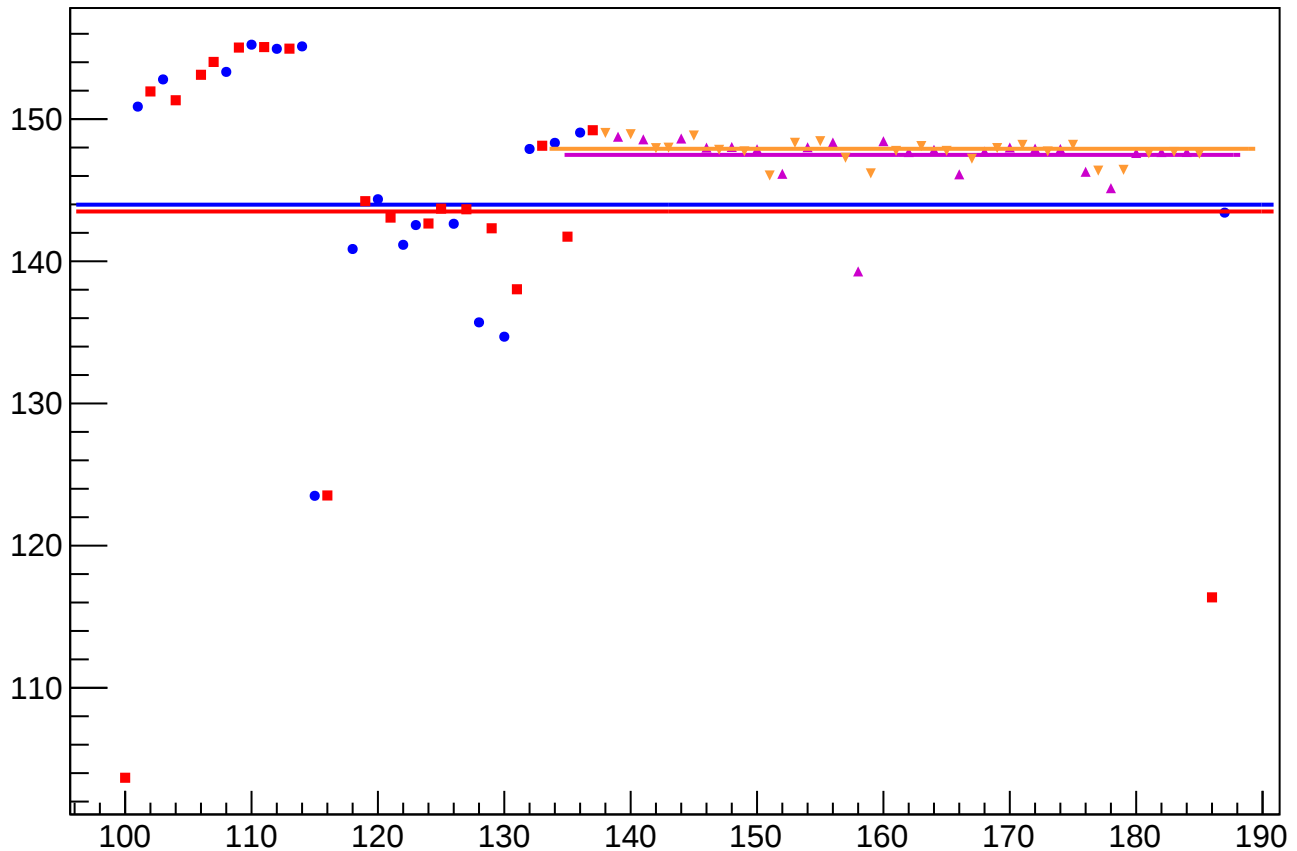
Right: 0.324+/-0.000 χ^2/NDF : 2532116.4/37

In: 0.391+/-0.000 χ^2/NDF :3715373.7/40

Out: 0.391+/-0.000 χ^2/NDF :3949930.6/44

All: 0.391+/-0.000 χ^2/NDF : 7665390.5/85

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.982 $\pm$ 0.000 χ^2 /NDF: 3662003860.9/17

Left Out: 147.912 $\pm$ 0.000 χ^2 /NDF: 64463426.1/24

Right Out: 143.503 $\pm$ 0.000 χ^2 /NDF: 6407120582.8/19

Left In: 147.483 $\pm$ 0.000 χ^2 /NDF: 342674720.4/22

Left: 147.706 $\pm$ 0.000 χ^2 /NDF: 415263003.2/47

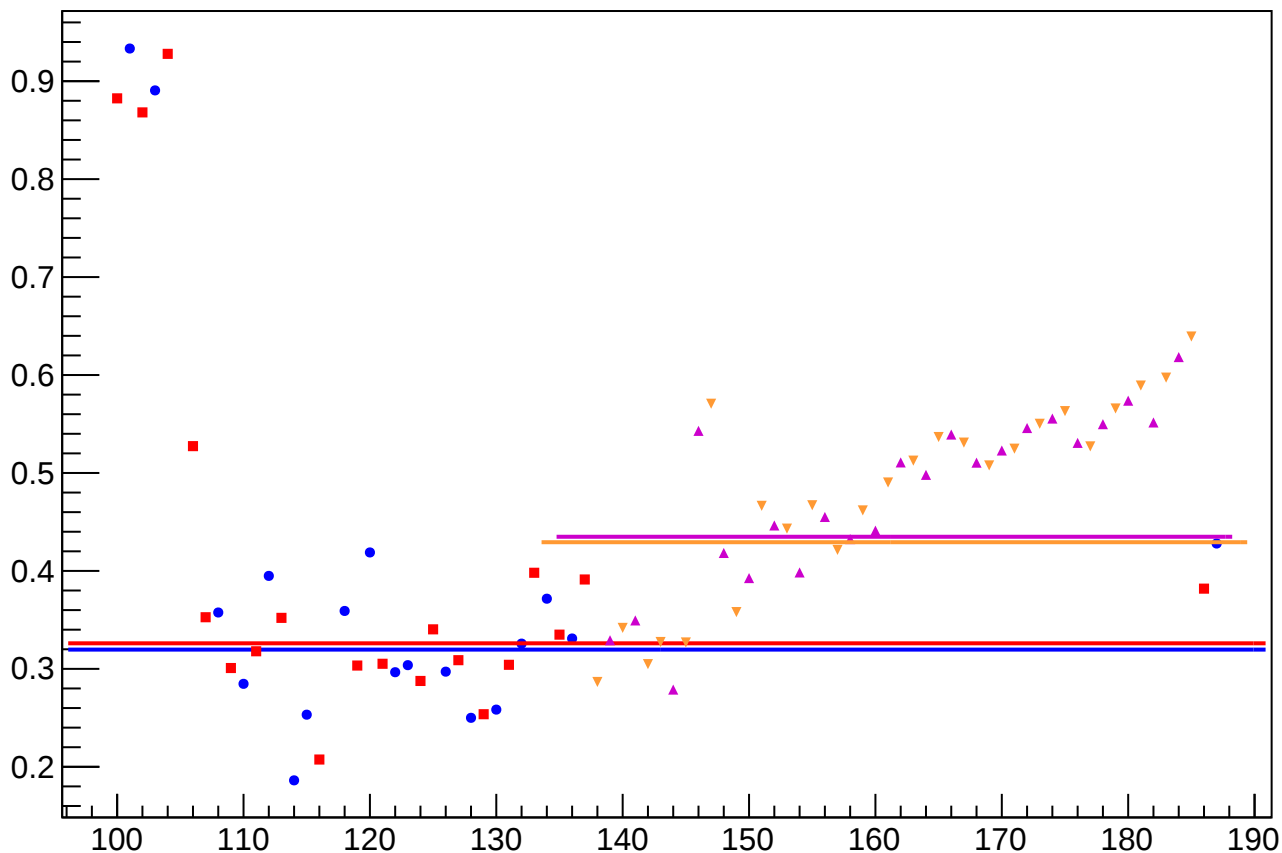
Right: 143.737 $\pm$ 0.000 χ^2 /NDF: 10075660626.2/37

In: 146.100 $\pm$ 0.000 χ^2 /NDF: 4417801325.0/40

Out: 146.200 $\pm$ 0.000 χ^2 /NDF: 7165055277.8/44

All: 146.152 $\pm$ 0.000 χ^2 /NDF: 11583571057.0

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.320+/-0.000 χ^2/NDF : 1306270.8/17

Left Out: 0.429+/-0.000 χ^2/NDF :1891709.3/24

Right Out: 0.326+/-0.000 χ^2/NDF : 1236452.5/19

Left In: 0.435+/-0.000 χ^2/NDF :1485915.1/22

Left: 0.432+/-0.000 χ^2/NDF : 3380372.0/47

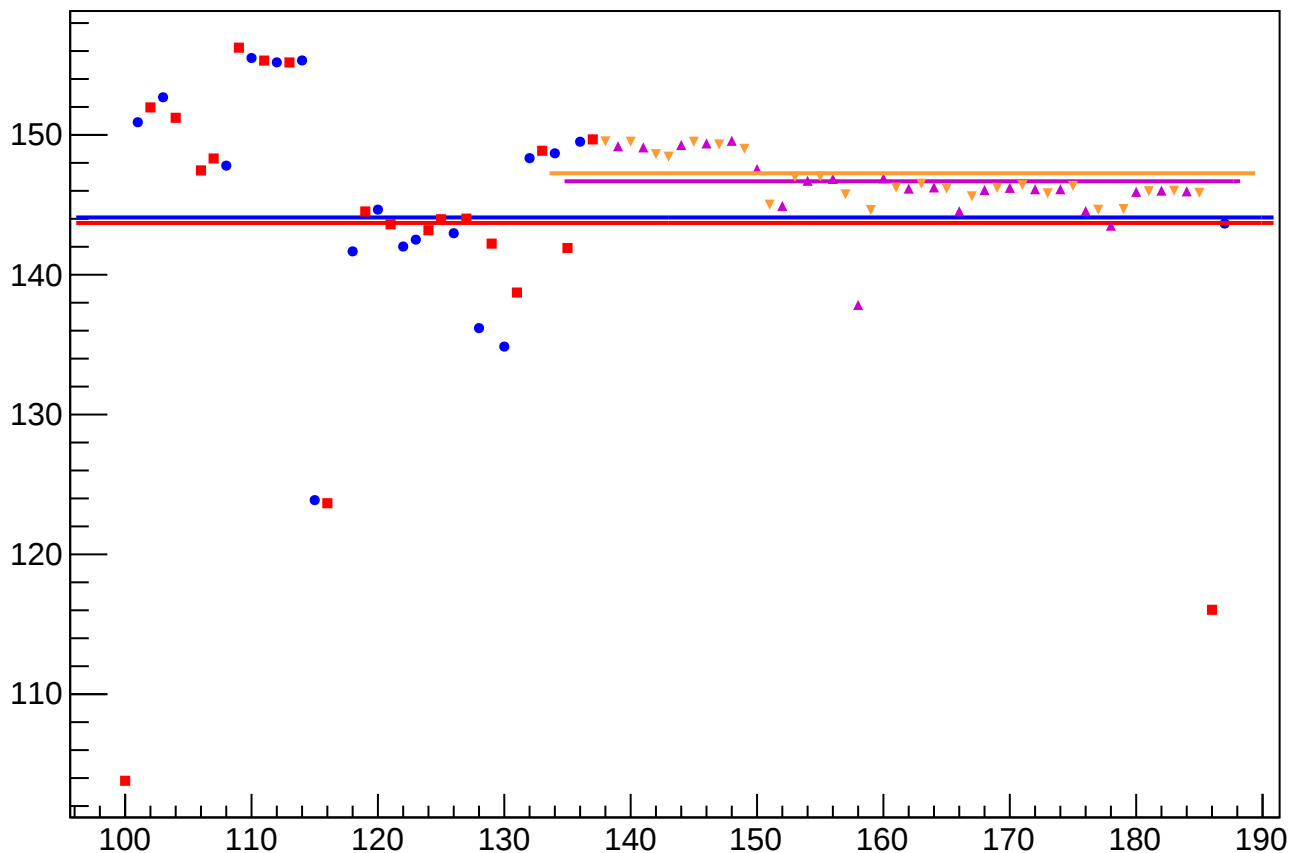
Right: 0.323+/-0.000 χ^2/NDF : 2545078.1/37

In: 0.389+/-0.000 χ^2/NDF :3686811.8/40

Out: 0.389+/-0.000 χ^2/NDF :3888235.1/44

All: 0.389+/-0.000 χ^2/NDF : 7575050.3/85

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.098 $\pm$ 0.000 χ^2 /NDF: 3160421315.8/17

Left Out: 147.257 $\pm$ 0.000 χ^2 /NDF: 261906278.3/24

Right Out: 143.703 $\pm$ 0.000 χ^2 /NDF: 5819996538.2/19

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

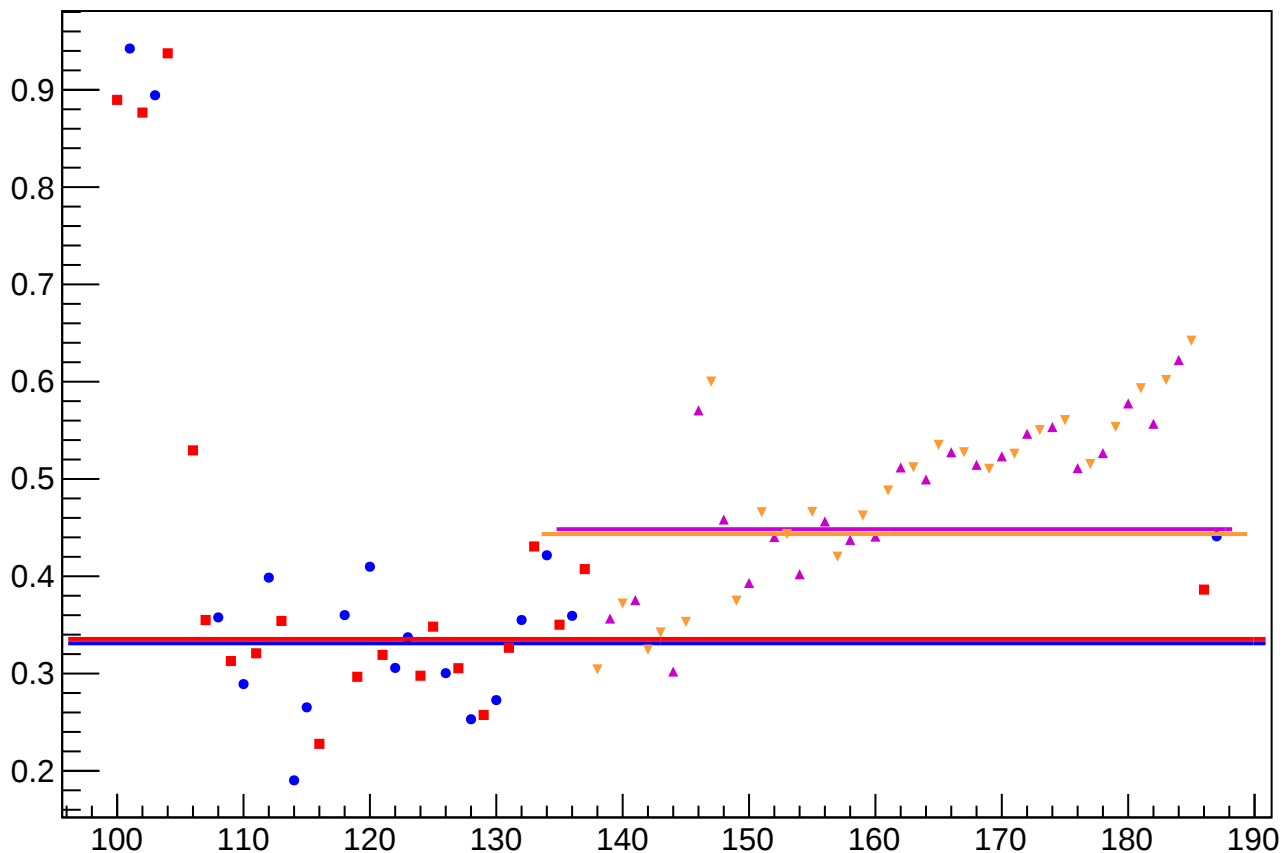
Right: 143.894 $\pm$ 0.000 χ^2 /NDF: 8984562341.5/37

In: 145.676 $\pm$ 0.000 χ^2 /NDF: 3926883759.8/40

Out: 145.880 $\pm$ 0.000 χ^2 /NDF: 6507502092.4/44

All: 145.781 $\pm$ 0.000 χ^2 /NDF: 10437226537.

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.331+/-0.000 χ^2/NDF : 1288074.6/17

Left Out: 0.443+/-0.000 χ^2/NDF :1480479.3/24

Right Out: 0.336+/-0.000 χ^2/NDF : 1192203.5/19

Left In: 0.448+/-0.000 χ^2/NDF :1120261.8/22

Left: 0.446+/-0.000 χ^2/NDF : 2602838.0/47

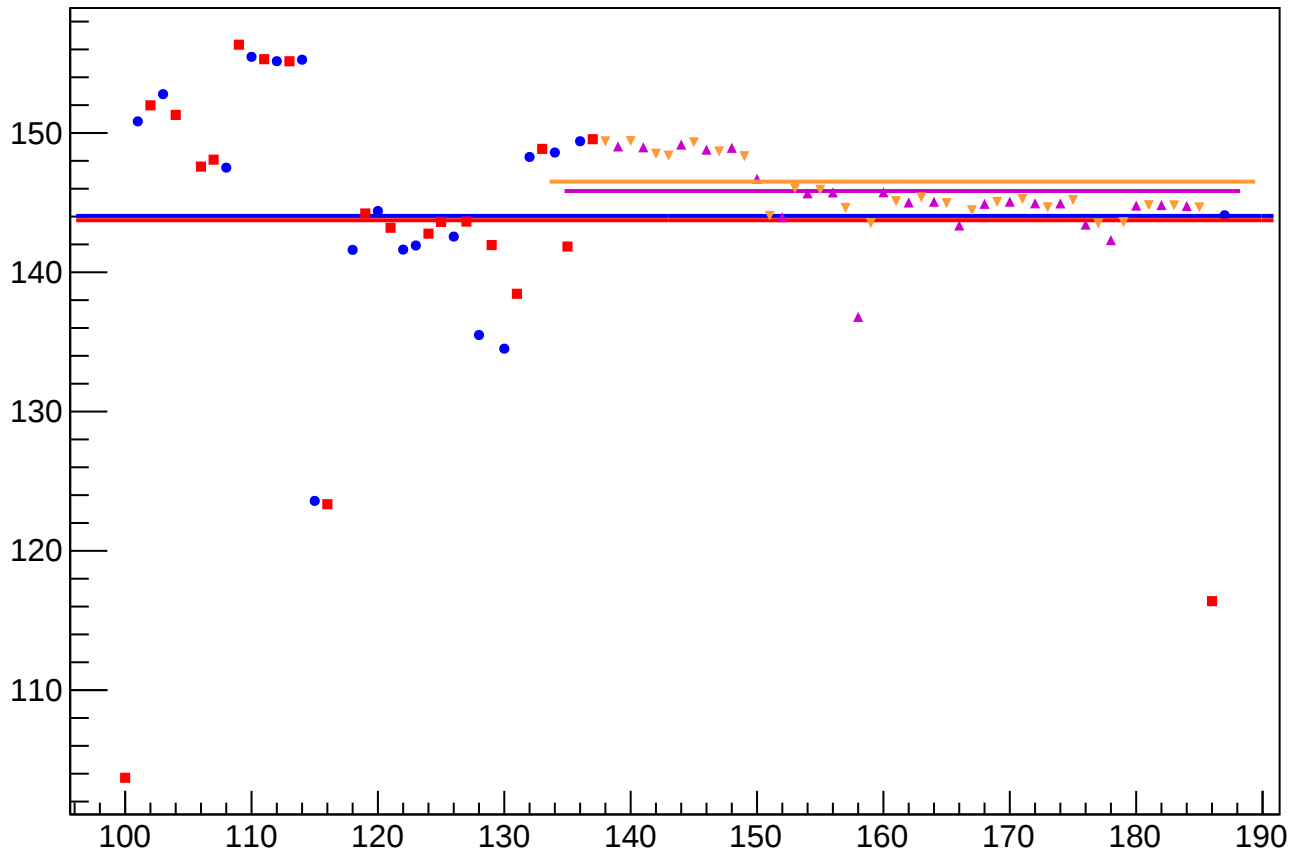
Right: 0.333+/-0.000 χ^2/NDF : 2481350.2/37

In: 0.403+/-0.000 χ^2/NDF :3277495.4/40

Out: 0.402+/-0.000 χ^2/NDF :3455632.7/44

All: 0.402+/-0.000 χ^2/NDF : 6733285.0/85

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 144.046 $\pm$ 0.000 χ^2 /NDF: 3279469523.9/17

Left Out: 146.508 $\pm$ 0.000 χ^2 /NDF: 401248837.9/24

Right Out: 143.733 $\pm$ 0.000 χ^2 /NDF: 5835517282.7/19

Left In: 145.834 $\pm$ 0.000 χ^2 /NDF: 690172810.0/22

Left: 146.184 $\pm$ 0.000 χ^2 /NDF: 1110403123.5/47

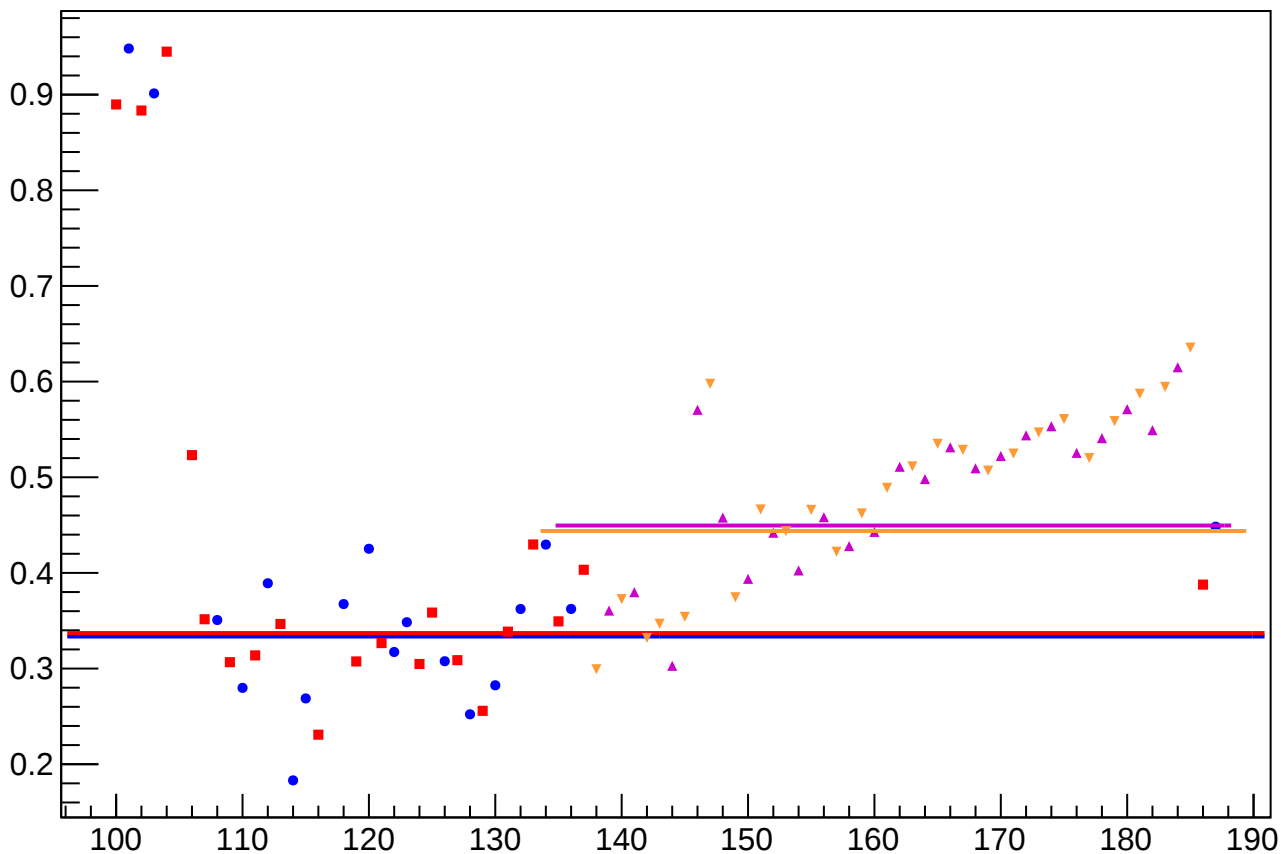
Right: 143.884 $\pm$ 0.000 χ^2 /NDF: 9117563729.1/37

In: 145.143 $\pm$ 0.000 χ^2 /NDF: 4069347159.9/40

Out: 145.438 $\pm$ 0.000 χ^2 /NDF: 6494308149.8/44

All: 145.296 $\pm$ 0.000 χ^2 /NDF: 10569597414.0

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.334 $\pm$ 0.000 χ^2 /NDF: 1306532.3/17

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1460383.7/24

Right Out: 0.337 $\pm$ 0.000 χ^2 /NDF: 1181516.7/19

Left In: 0.450 $\pm$ 0.000 χ^2 /NDF:1092776.5/22

Left: 0.447 $\pm$ 0.000 χ^2 /NDF: 2555905.8/47

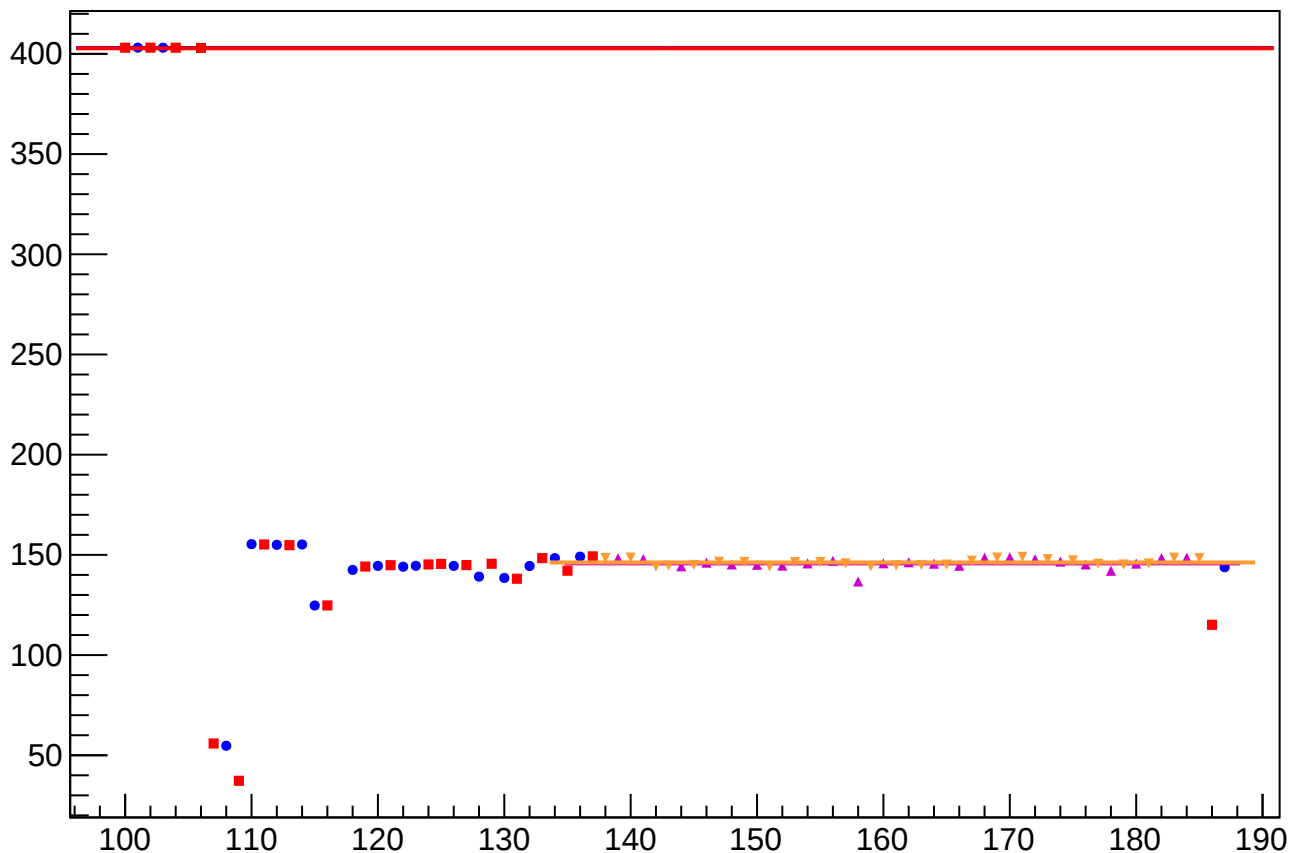
Right: 0.335 $\pm$ 0.000 χ^2 /NDF: 2488728.3/37

In: 0.405 $\pm$ 0.000 χ^2 /NDF:3238644.4/40

Out: 0.403 $\pm$ 0.000 χ^2 /NDF:3403054.7/44

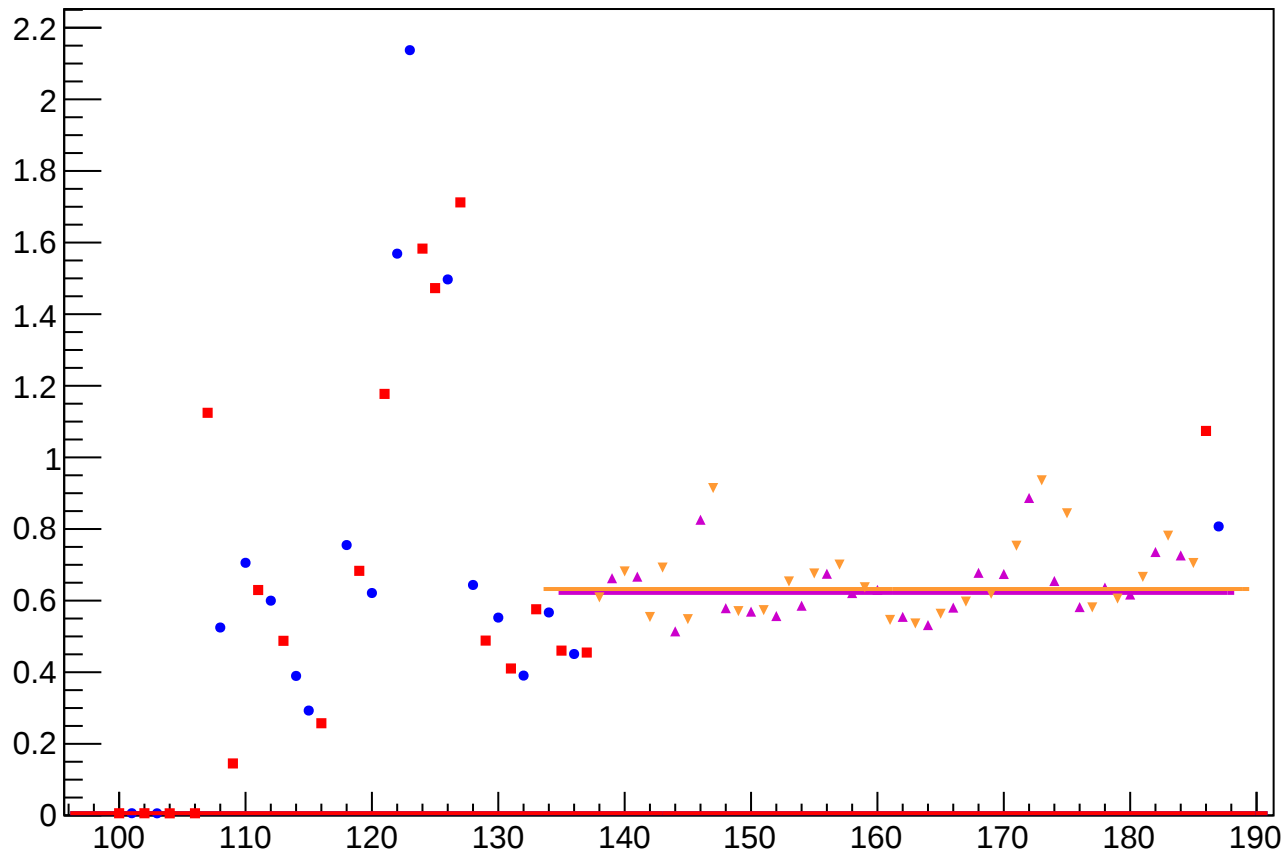
All: 0.404 $\pm$ 0.000 χ^2 /NDF: 6642245.1/85

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.956+/-0.000	χ^2/NDF : 1110327882789.6/17	Left: 145.987+/-0.000	χ^2/NDF : 295994641.0/47
Left Out: 146.216+/-0.000	χ^2/NDF : 86042286.3/24	Right: 402.871+/-0.000	χ^2/NDF : 4240209027455.3
Right Out: 402.796+/-0.000	χ^2/NDF : 3129460217421.3/19	In: 402.665+/-0.000	χ^2/NDF : 3442566778152.9/40
Left In: 145.755+/-0.000	χ^2/NDF : 206171532.0/22	Out: 402.535+/-0.000	χ^2/NDF : 5488106283598.1/4
		All: 402.596+/-0.000	χ^2/NDF : 893094920777.0

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 9363822.0/17

Left Out: 0.632 $\pm$ 0.000 χ^2 /NDF:613604.5/24

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 9811287.7/19

Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:399965.3/22

Left: 0.627 $\pm$ 0.000 χ^2 /NDF: 1017722.4/47

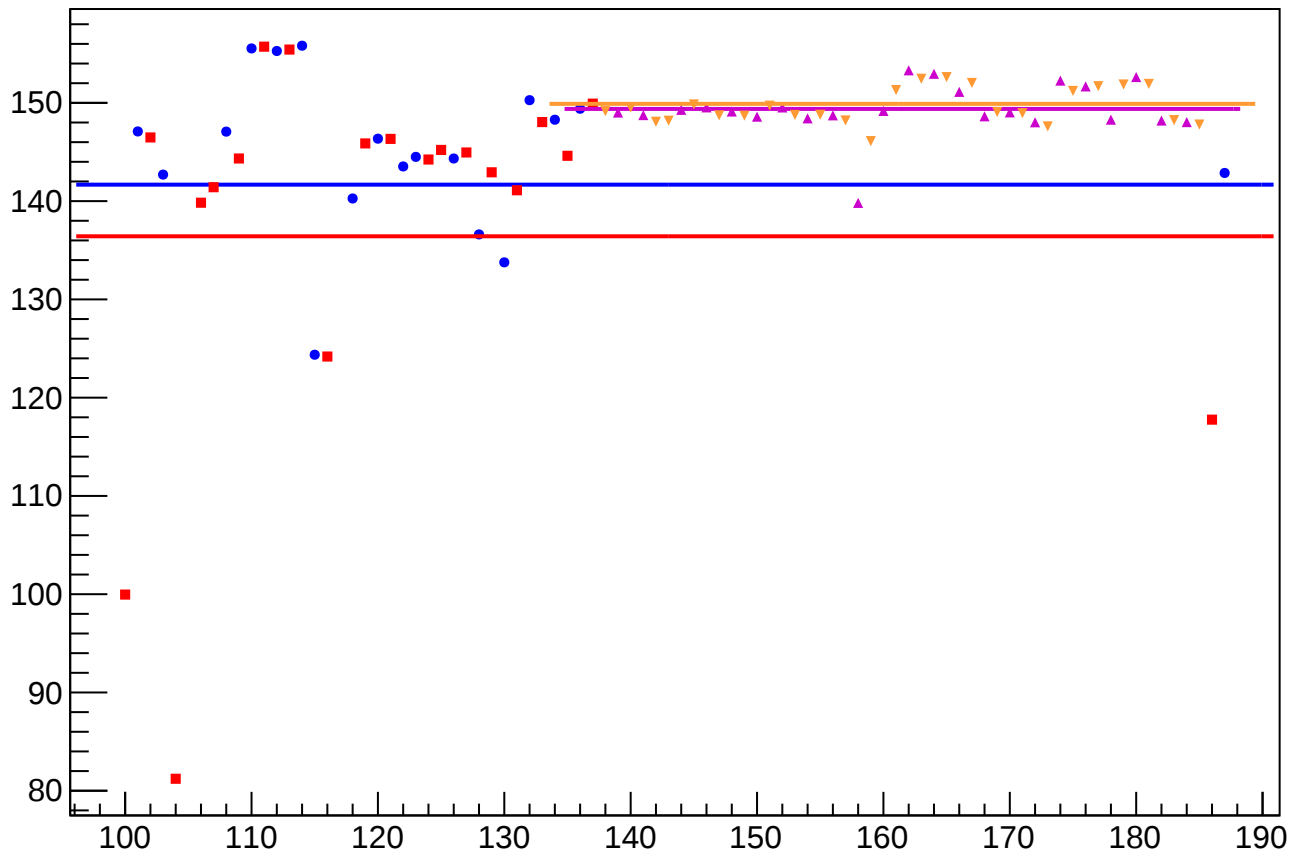
Right: 0.006 $\pm$ 0.000 χ^2 /NDF: 19175111.5/37

In: 0.007 $\pm$ 0.000 χ^2 /NDF:36453193.1/40

Out: 0.007 $\pm$ 0.000 χ^2 /NDF:38510233.8/44

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 74963578.2/85

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.676 $\pm$ 0.000

χ^2 /NDF: 979298915.1/17

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: 138.951 $\pm$ 0.000

χ^2 /NDF: 2679311332.4/37

Right Out: 136.422 $\pm$ 0.000

χ^2 /NDF: 1552130628.5/19

In: 148.000 $\pm$ 0.000

χ^2 /NDF: 1917326328.0/40

Out: 147.476 $\pm$ 0.000

χ^2 /NDF: 3372919259.5/44

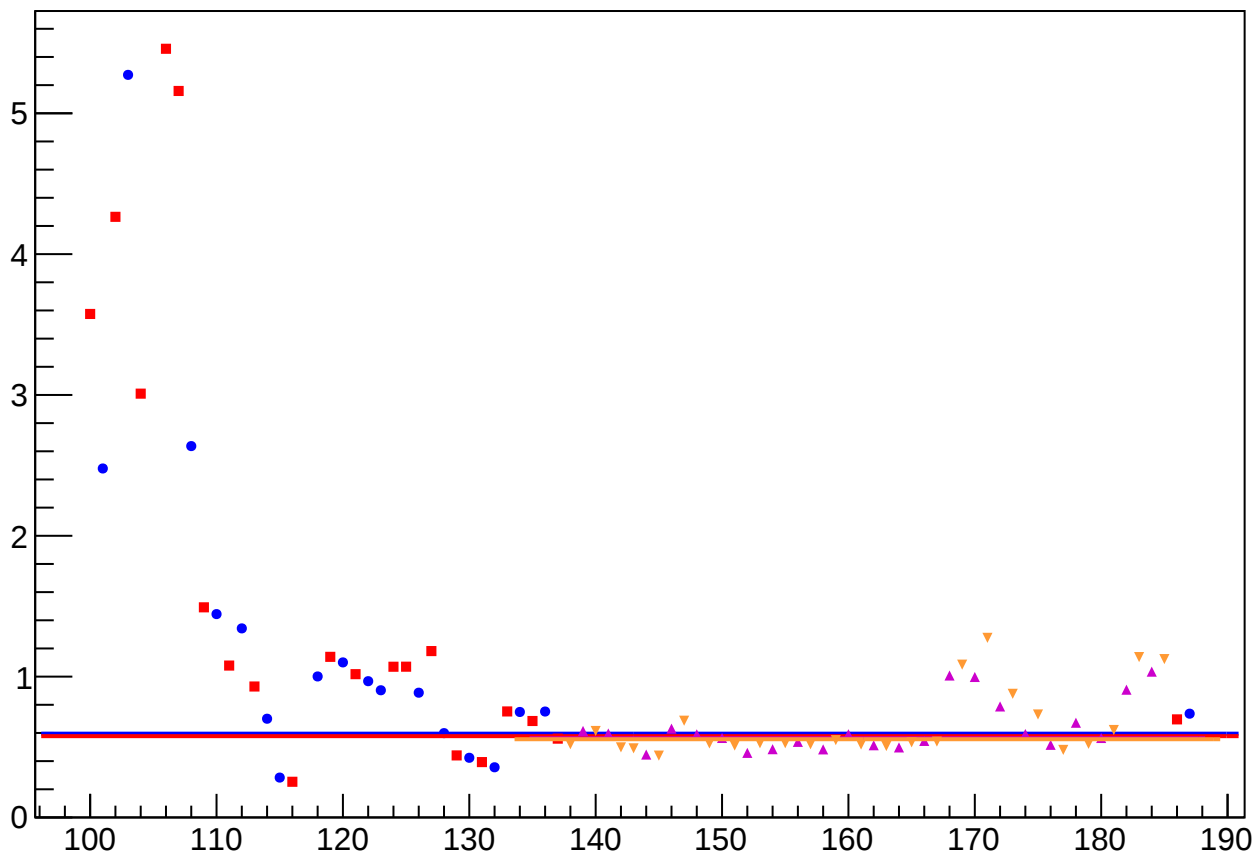
Left In: 149.382 $\pm$ 0.000

χ^2 /NDF: 434657827.5/22

All: 147.729 $\pm$ 0.000

χ^2 /NDF: 5298445156.4

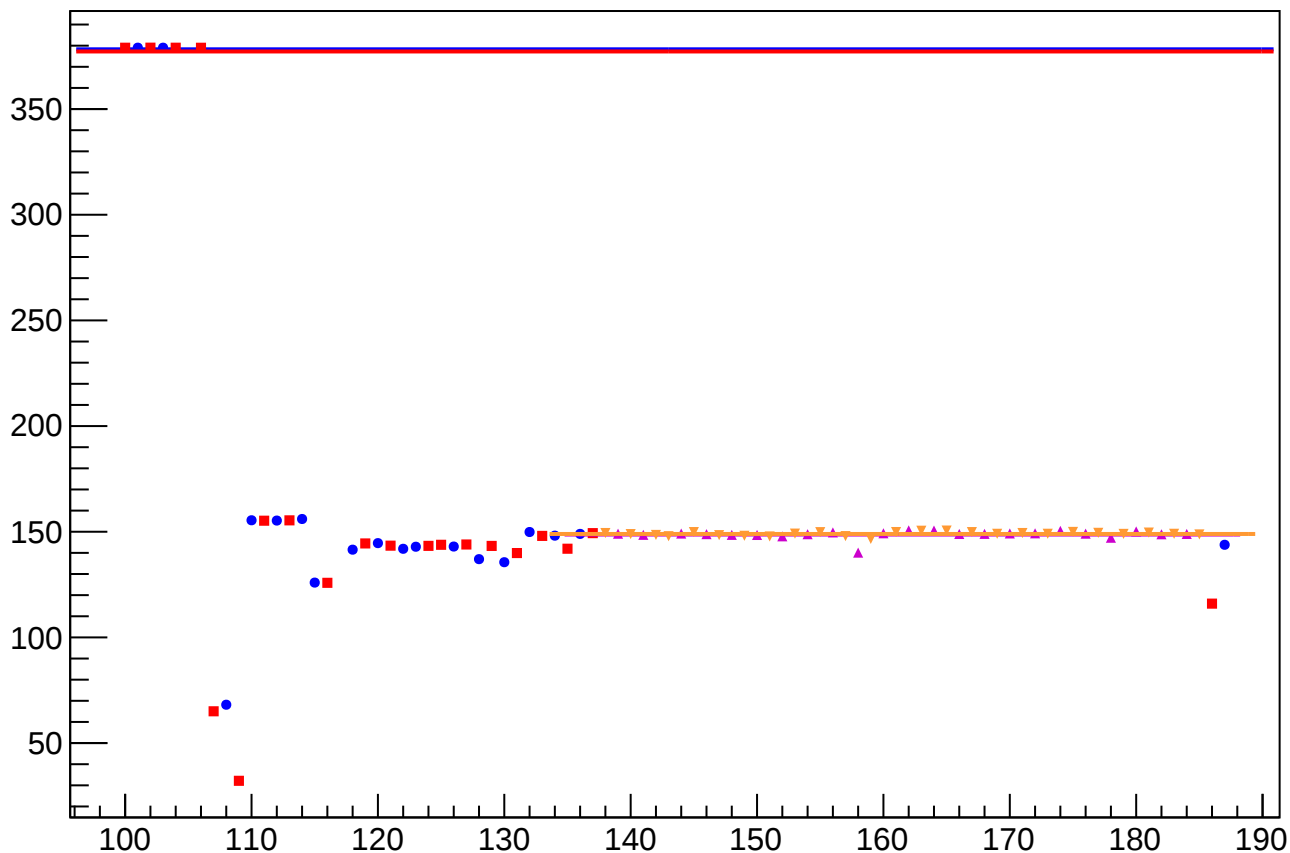
yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.595 $\pm$ 0.000 χ^2 /NDF: 3528332.0/17
Left Out: 0.555 $\pm$ 0.000 χ^2 /NDF:1773688.1/24
Right Out: 0.577 $\pm$ 0.000 χ^2 /NDF: 4664067.9/19
Left In: 0.562 $\pm$ 0.000 χ^2 /NDF:1305573.4/22

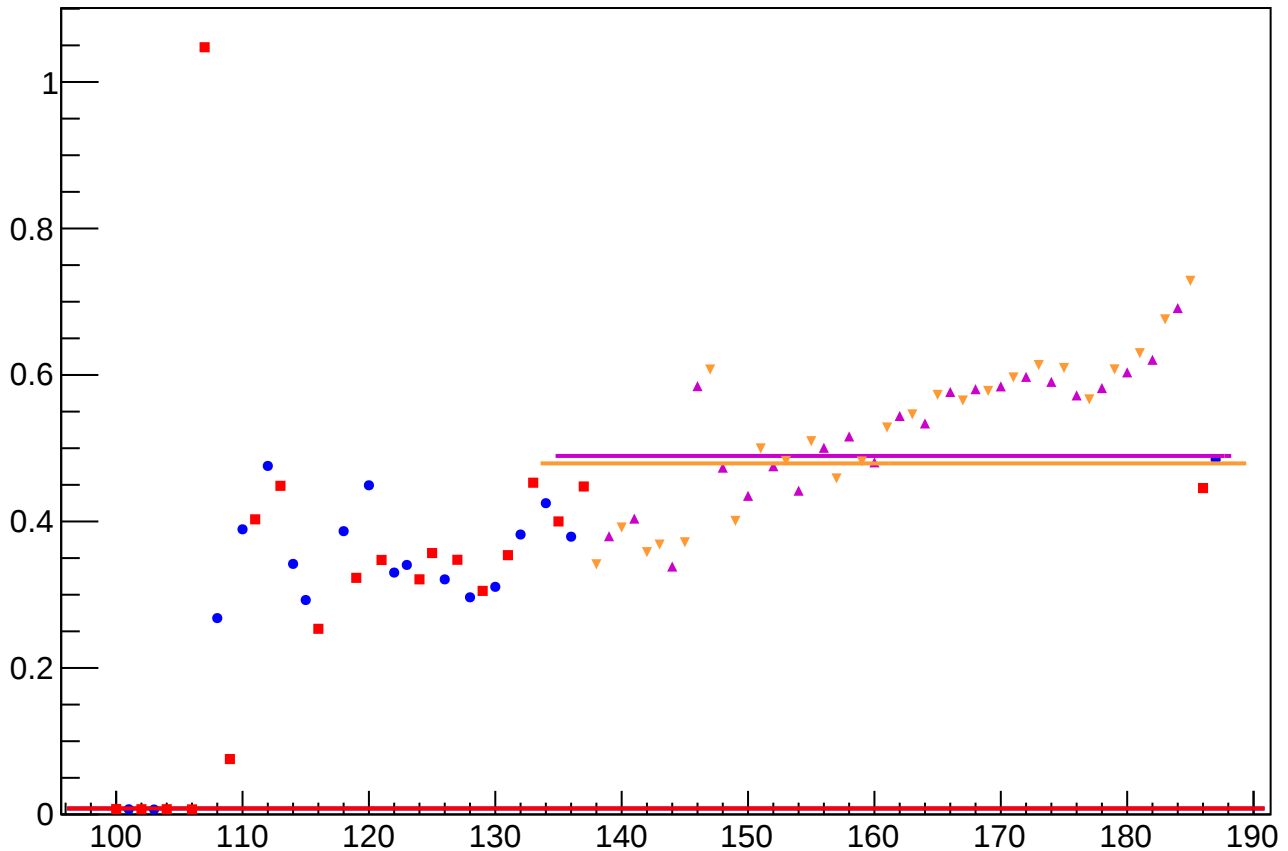
Left: 0.559 $\pm$ 0.000 χ^2 /NDF: 3081194.0/47
Right: 0.586 $\pm$ 0.000 χ^2 /NDF: 8195758.4/37
In: 0.568 $\pm$ 0.000 χ^2 /NDF:4852557.6/40
Out: 0.559 $\pm$ 0.000 χ^2 /NDF:6446387.8/44
All: 0.563 $\pm$ 0.000 χ^2 /NDF: 11303074.2/85

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.277+/-0.000	χ^2/NDF : 2525418143225.7/17	Left: 148.814+/-0.000	χ^2/NDF : 319467494.9/47
Left Out: 148.944+/-0.000	χ^2/NDF : 63976941.3/24	Right: 377.734+/-0.000	χ^2/NDF : 10934942501425.7
Right Out: 377.258+/-0.000	χ^2/NDF : 8402164295905.2/19	In: 377.104+/-0.000	χ^2/NDF : 6112981348729.9/40
Left In: 148.672+/-0.000	χ^2/NDF : 252846428.3/22	Out: 376.141+/-0.000	χ^2/NDF : 12277203077385.4
		All: 376.591+/-0.000	χ^2/NDF : 183967968075.7

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 10114218.8/17

Left Out: 0.479+/-0.000 χ^2/NDF :1516566.1/24

Right Out: 0.008+/-0.000 χ^2/NDF : 10192547.3/19

Left In: 0.489+/-0.000 χ^2/NDF :1076134.2/22

Left: 0.484+/-0.000 χ^2/NDF : 2600075.4/47

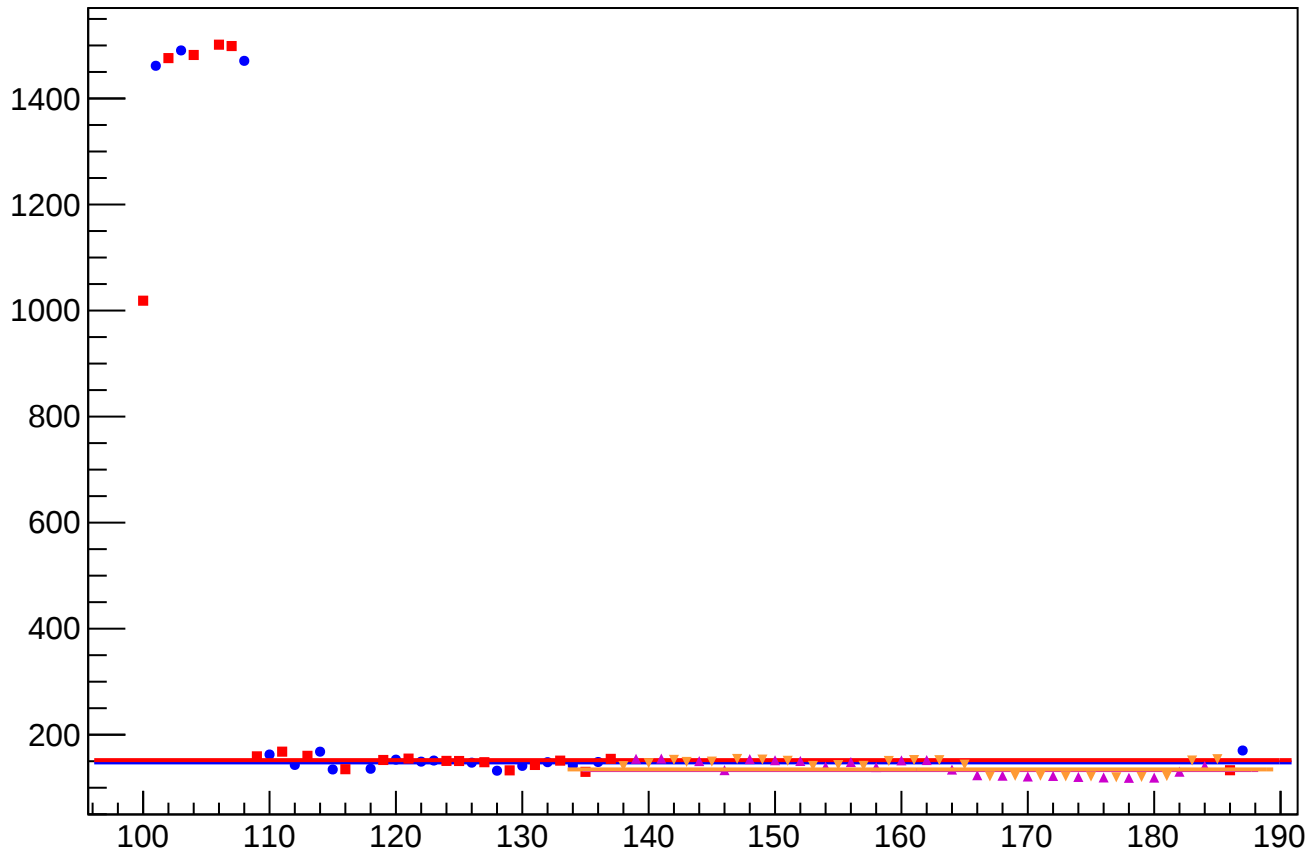
Right: 0.008+/-0.000 χ^2/NDF : 20306808.2/37

In: 0.011+/-0.000 χ^2/NDF :42719586.7/40

Out: 0.010+/-0.000 χ^2/NDF :44706063.4/44

All: 0.011+/-0.000 χ^2/NDF : 87425789.2/85

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 147.767+/-0.000

χ^2/NDF : 24468065806.1/17

Left: 133.958+/-0.000

χ^2/NDF : 8697951676.8/47

Left Out: 134.554+/-0.000

χ^2/NDF : 4376966869.3/24

Right: 149.946+/-0.000

χ^2/NDF : 58479163203.5/37

Right Out: 152.060+/-0.000

χ^2/NDF : 33959063459.9/19

In: 136.172+/-0.000

χ^2/NDF : 29702074626.6/40

Out: 137.962+/-0.000

χ^2/NDF : 39751024363.9/44

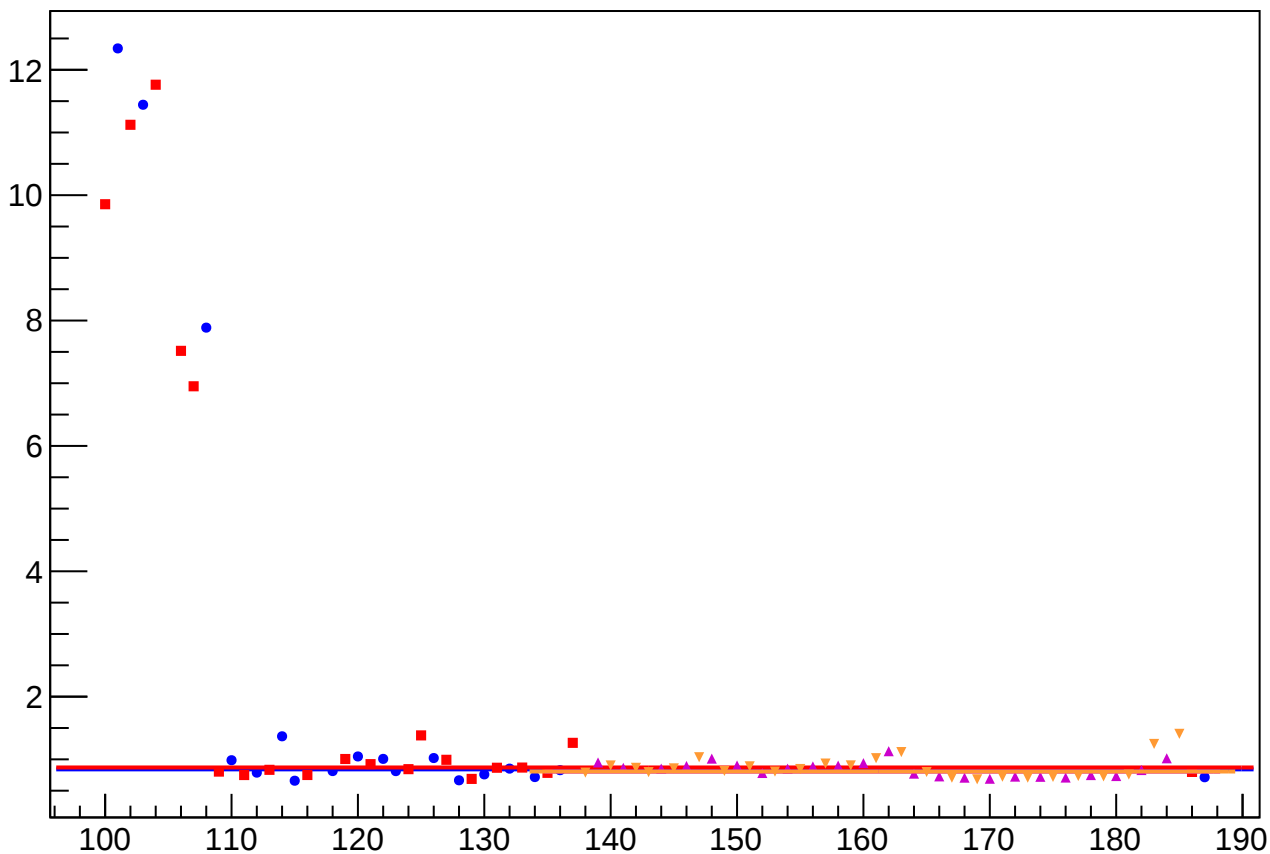
Left In: 133.337+/-0.000

χ^2/NDF : 4303812119.2/22

All: 137.085+/-0.000

χ^2/NDF : 69499341772.0/100

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.840 $\pm$ 0.000 χ^2 /NDF: 2666350.7/17

Left Out: 0.806 $\pm$ 0.000 χ^2 /NDF:690578.5/24

Right Out: 0.870 $\pm$ 0.000 χ^2 /NDF: 2831470.9/19

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

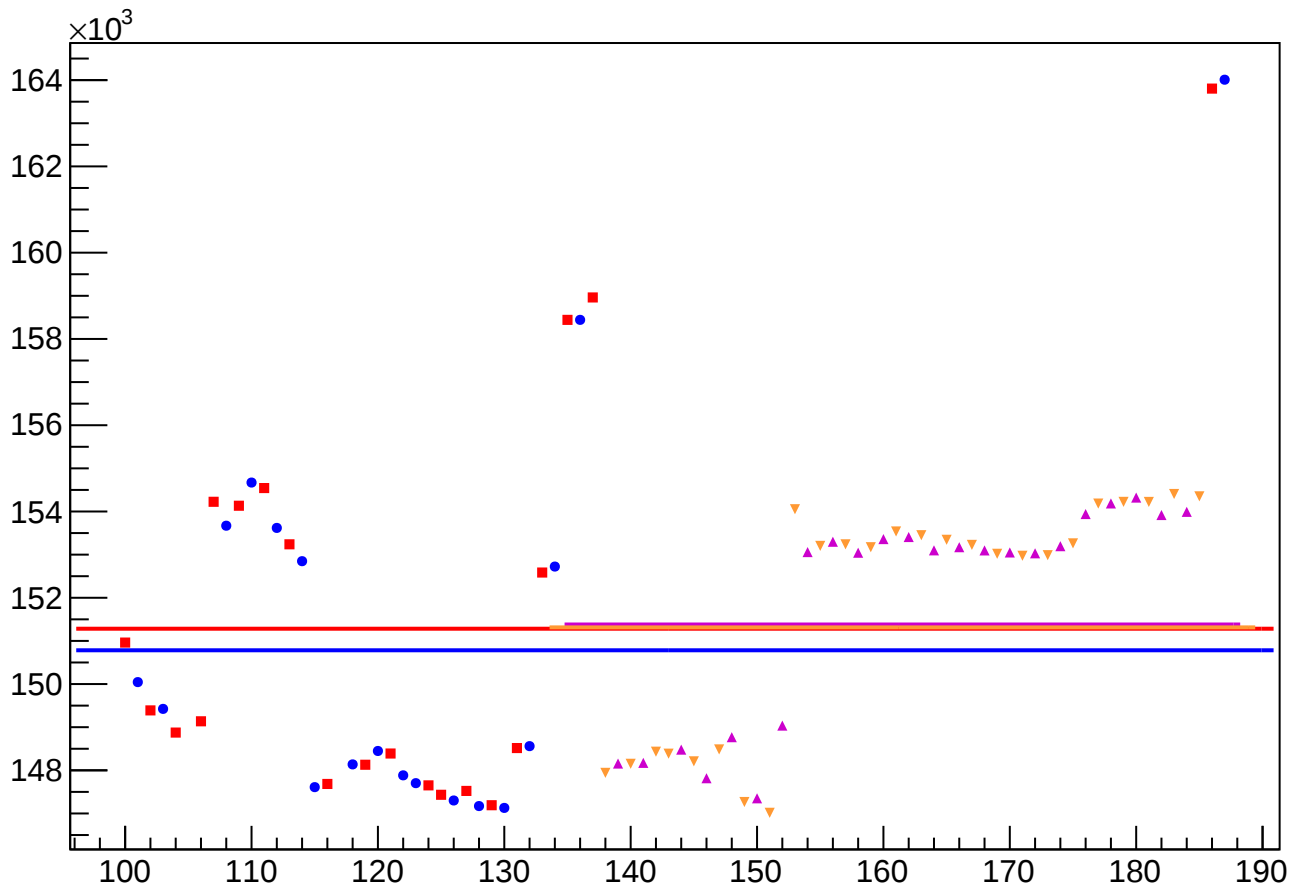
Right: 0.855 $\pm$ 0.000 χ^2 /NDF: 5502964.4/37

In: 0.812 $\pm$ 0.000 χ^2 /NDF:3158039.8/40

Out: 0.819 $\pm$ 0.000 χ^2 /NDF:3560114.3/44

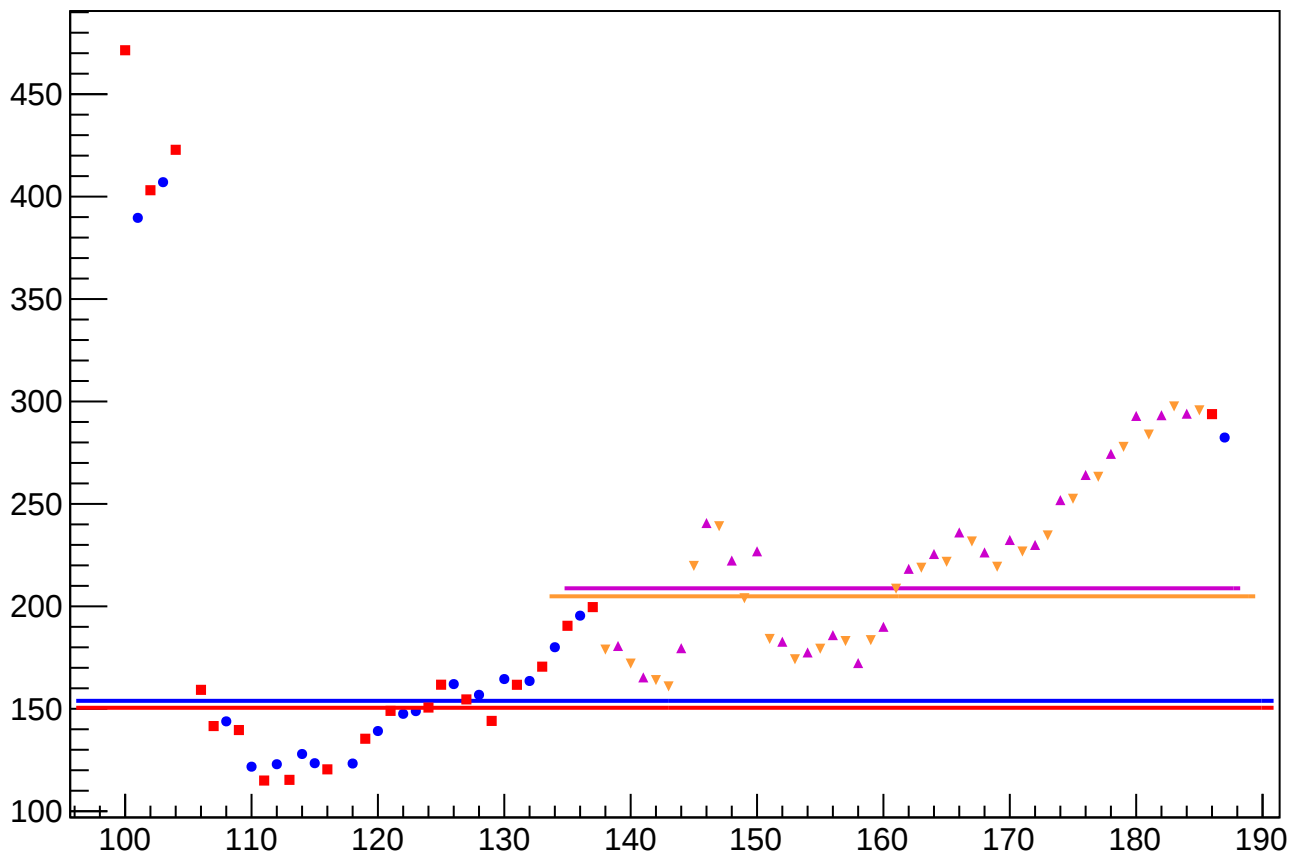
All: 0.815 $\pm$ 0.000 χ^2 /NDF: 6719527.9/85

yield_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 150782.780 $\pm$ 0.063	χ^2 /NDF: 3632312138.3/17	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: 151047.461 $\pm$ 0.043	χ^2 /NDF: 7663662357.5/4
Right Out: 151282.628 $\pm$ 0.059	χ^2 /NDF: 3997866554.1/19	In: 151142.006 $\pm$ 0.040	χ^2 /NDF: 6050526212.2/40
Left In: 151380.236 $\pm$ 0.051	χ^2 /NDF: 2363895785.3/22	Out: 151300.929 $\pm$ 0.038	χ^2 /NDF: 7151794495.3/4
		All: 151225.735 $\pm$ 0.027	χ^2 /NDF: 132107665

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 153.882 $\pm$ 0.044 χ^2 /NDF: 1217246.3/17

Left Out: 204.900 $\pm$ 0.034 χ^2 /NDF:1056380.8/24

Right Out: 150.493 $\pm$ 0.042 χ^2 /NDF: 1372589.5/19

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

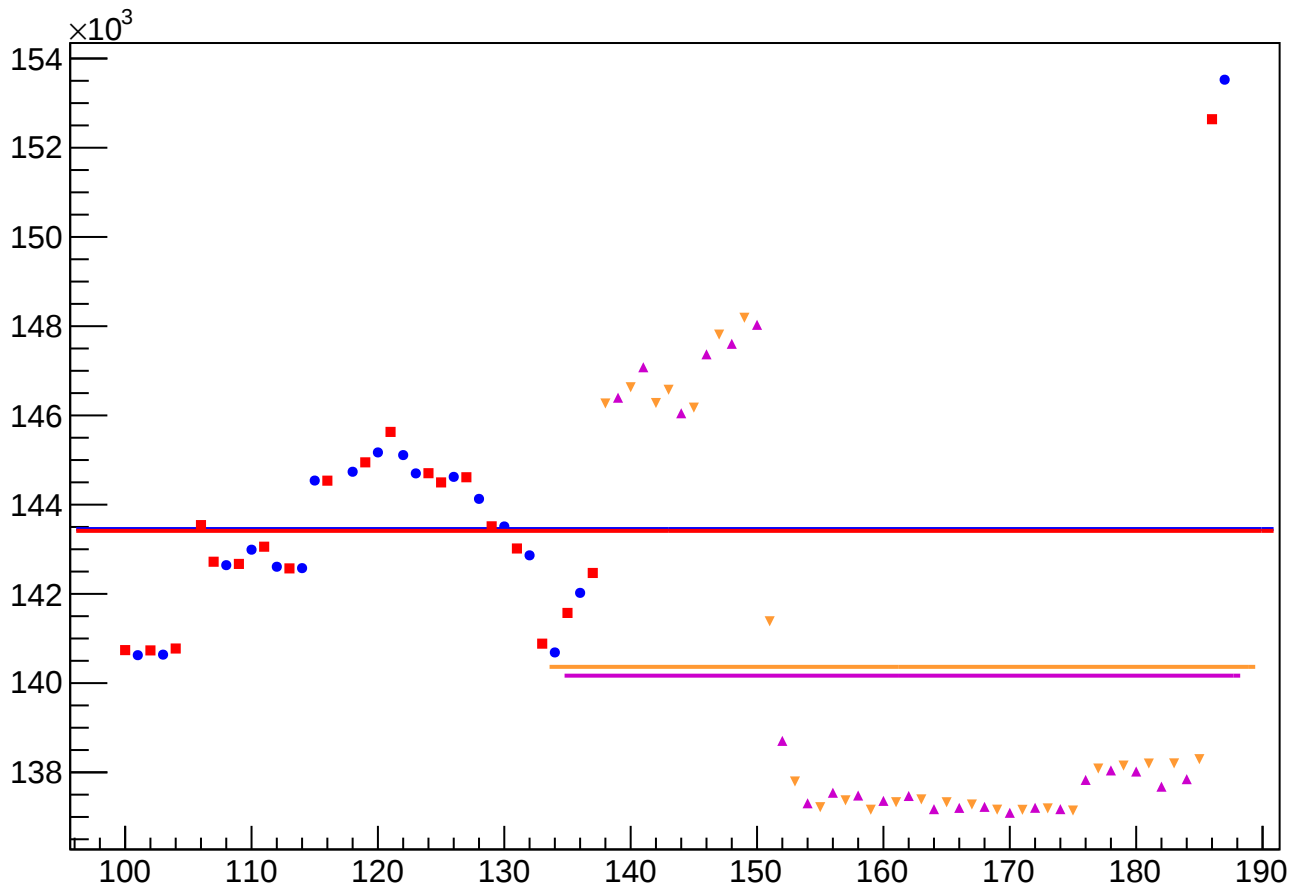
Right: 152.088 $\pm$ 0.030 χ^2 /NDF: 2592914.5/37

In: 186.910 $\pm$ 0.028 χ^2 /NDF:3137484.4/40

Out: 182.972 $\pm$ 0.027 χ^2 /NDF:3435658.7/44

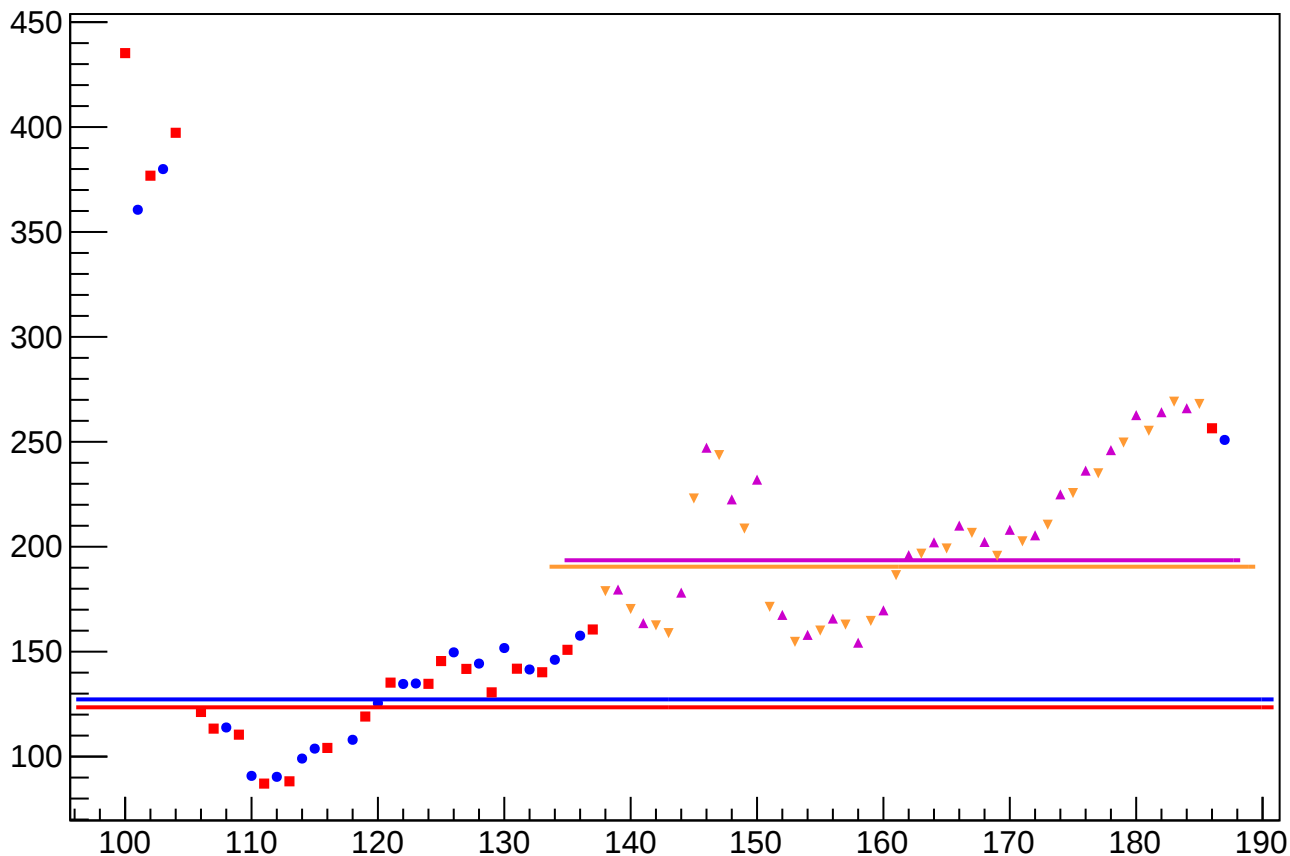
All: 184.835 $\pm$ 0.019 χ^2 /NDF: 6583513.1/85

yield_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 143452.963 $\pm$ 0.053	χ^2 /NDF: 764760007.2/17	Left: 140270.460 $\pm$ 0.033	χ^2 /NDF: 16714620354.4
Left Out: 140364.444 $\pm$ 0.045	χ^2 /NDF: 8677078677.7/24	Right: 143431.280 $\pm$ 0.036	χ^2 /NDF: 1871589168.4
Right Out: 143412.651 $\pm$ 0.049	χ^2 /NDF: 1106513459.0/19	In: 141640.679 $\pm$ 0.035	χ^2 /NDF: 10944106637.2/4
Left In: 140166.971 $\pm$ 0.047	χ^2 /NDF: 8028464654.6/22	Out: 141773.418 $\pm$ 0.033	χ^2 /NDF: 11884099311.6
		All: 141711.078 $\pm$ 0.024	χ^2 /NDF: 228357315

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 127.252 $\pm$ 0.037 χ^2 /NDF: 1515784.1/17

Left Out: 190.486 $\pm$ 0.032 χ^2 /NDF: 950233.2/24

Right Out: 123.480 $\pm$ 0.034 χ^2 /NDF: 1665440.9/19

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

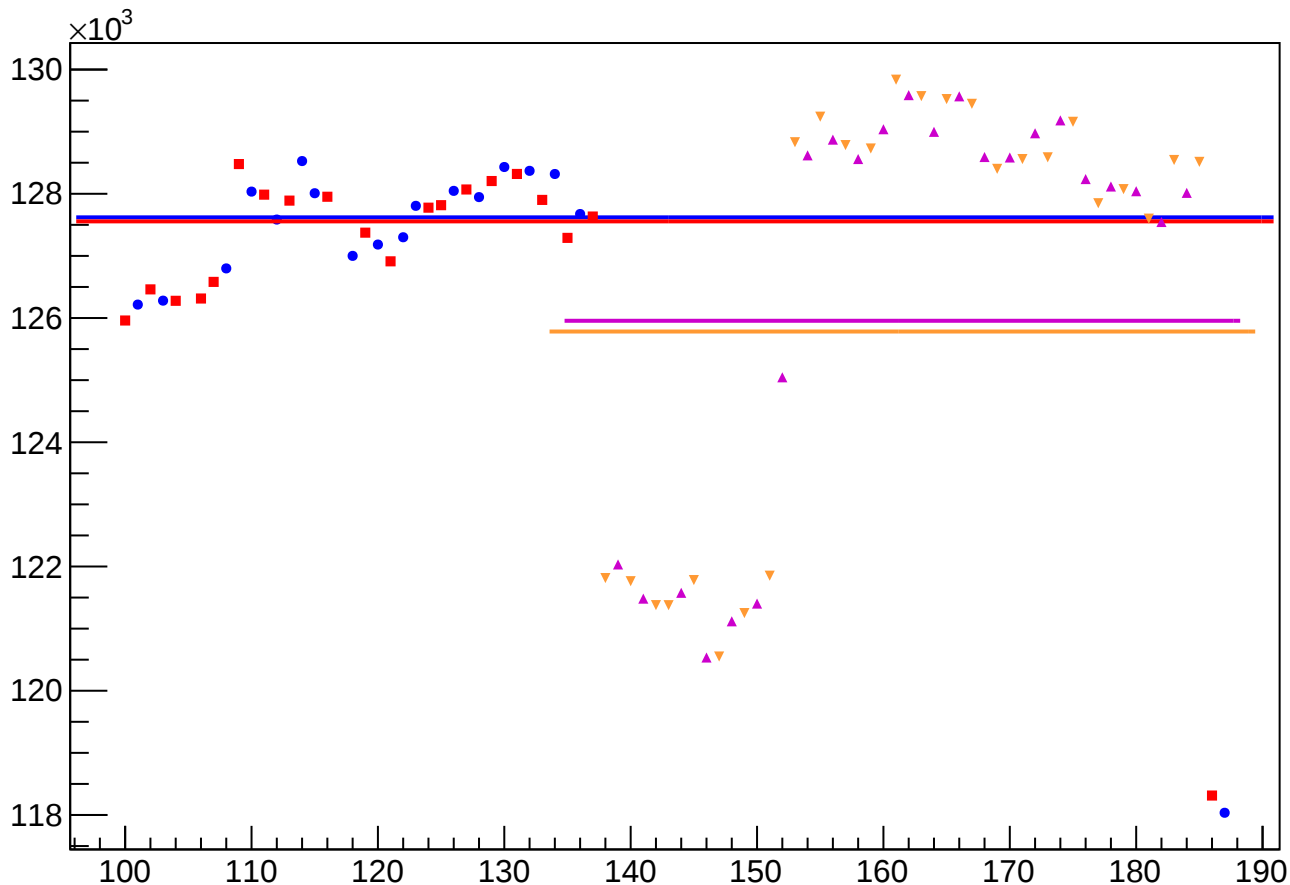
Right: 125.223 $\pm$ 0.025 χ^2 /NDF: 3186753.4/37

In: 163.821 $\pm$ 0.025 χ^2 /NDF: 4231022.2/40

Out: 159.514 $\pm$ 0.023 χ^2 /NDF: 4645677.3/44

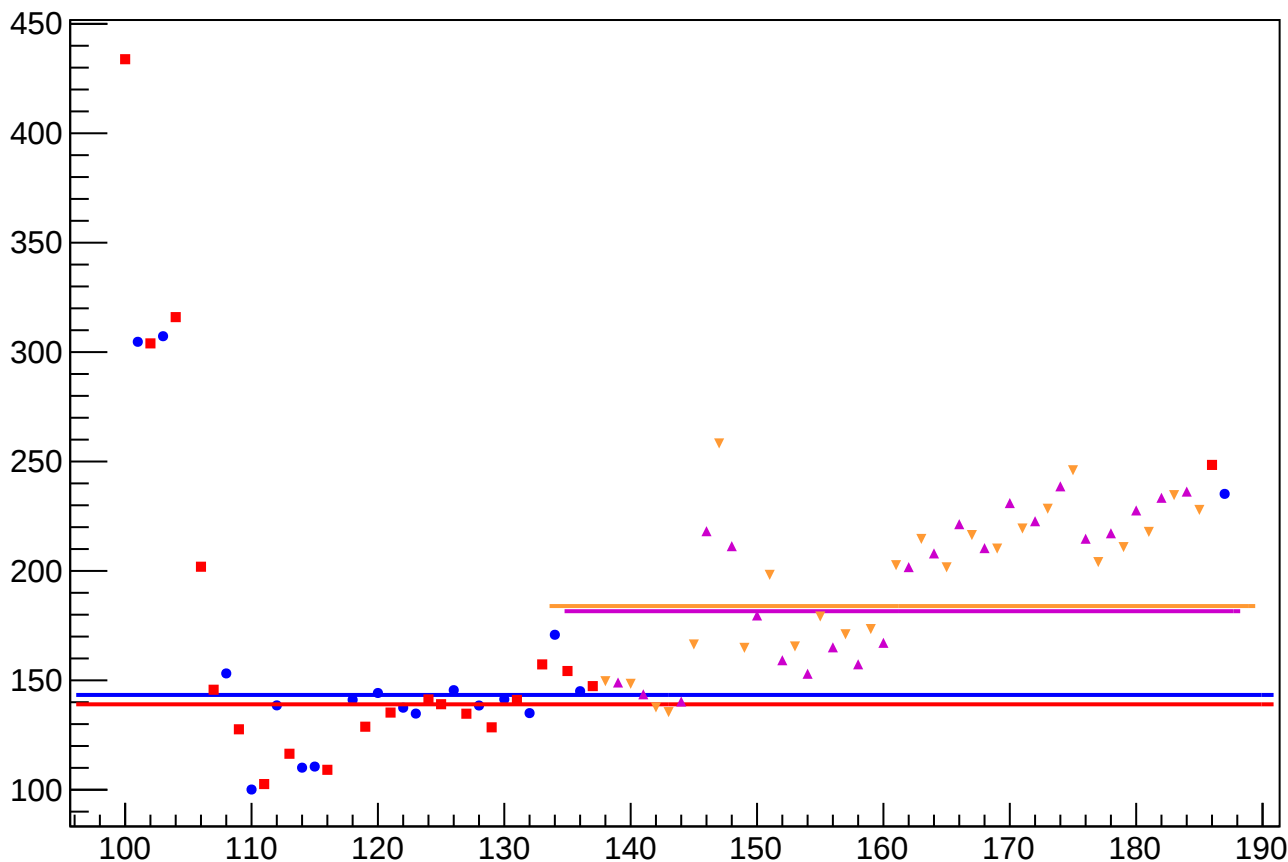
All: 161.536 $\pm$ 0.017 χ^2 /NDF: 8892548.4/85

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127620.559 $\pm$ 0.058	χ^2 /NDF: 337524570.6/17	Left: 125867.639 $\pm$ 0.031	χ^2 /NDF: 12541428458.9/17
Left Out: 125782.764 $\pm$ 0.044	χ^2 /NDF: 6729761889.8/24	Right: 127585.995 $\pm$ 0.040	χ^2 /NDF: 983447534.1/30
Right Out: 127555.886 $\pm$ 0.054	χ^2 /NDF: 645256687.1/19	In: 126578.922 $\pm$ 0.035	χ^2 /NDF: 6658522557.2/40
Left In: 125955.637 $\pm$ 0.045	χ^2 /NDF: 5804088930.1/22	Out: 126489.383 $\pm$ 0.034	χ^2 /NDF: 8022088760.0/40
		All: 126532.464 $\pm$ 0.025	χ^2 /NDF: 1468392330.1/100

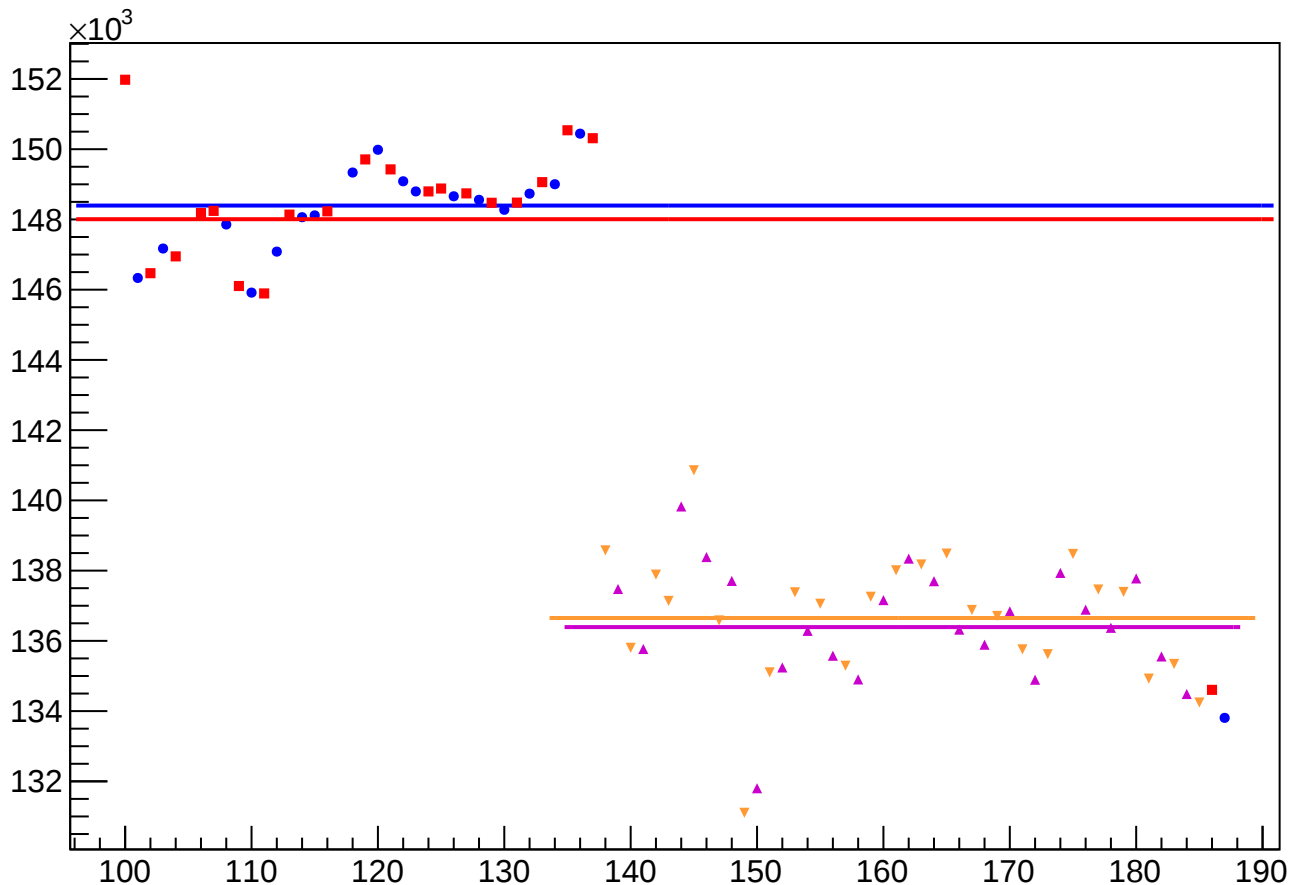
yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 143.329 $\pm$ 0.041 χ^2/NDF : 880315.2/17
 Left Out: 183.947 $\pm$ 0.031 χ^2/NDF : 1123194.0/24
 Right Out: 139.043 $\pm$ 0.038 χ^2/NDF : 1105720.1/19
 Left In: 181.596 $\pm$ 0.032 χ^2/NDF : 1103524.3/22

Left: 182.792 $\pm$ 0.022 χ^2/NDF : 2229521.2/47
 Right: 141.038 $\pm$ 0.028 χ^2/NDF : 1991889.0/37
 In: 167.270 $\pm$ 0.025 χ^2/NDF : 2529963.9/40
 Out: 166.052 $\pm$ 0.024 χ^2/NDF : 3058898.4/44
 All: 166.638 $\pm$ 0.017 χ^2/NDF : 5590088.9/85

yield_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: 148394.980 $\pm$ 0.082 χ^2 /NDF: 503074087.5/17

Left Out: 136650.935 $\pm$ 0.065 χ^2 /NDF: 930649595.5/24

Right Out: 148006.736 $\pm$ 0.076 χ^2 /NDF: 971991863.5/19

Left In: 136392.188 $\pm$ 0.066 χ^2 /NDF: 701986841.4/22

Left: 136524.219 $\pm$ 0.046 χ^2 /NDF: 1640486942.5/4

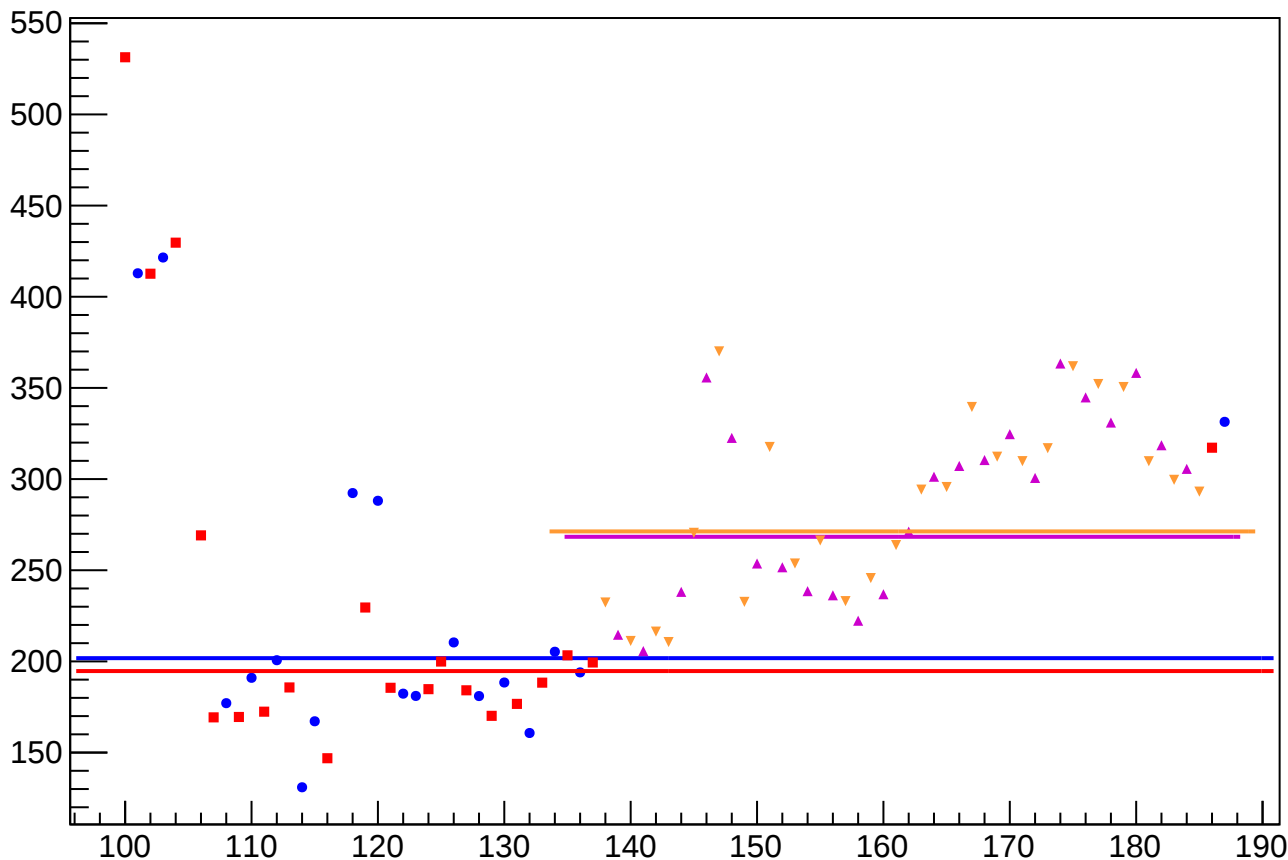
Right: 148185.432 $\pm$ 0.056 χ^2 /NDF: 1487196980.2/4

In: 141115.620 $\pm$ 0.051 χ^2 /NDF: 14233318849.9/4

Out: 141443.763 $\pm$ 0.049 χ^2 /NDF: 14934220434.1

All: 141287.010 $\pm$ 0.036 χ^2 /NDF: 291888492

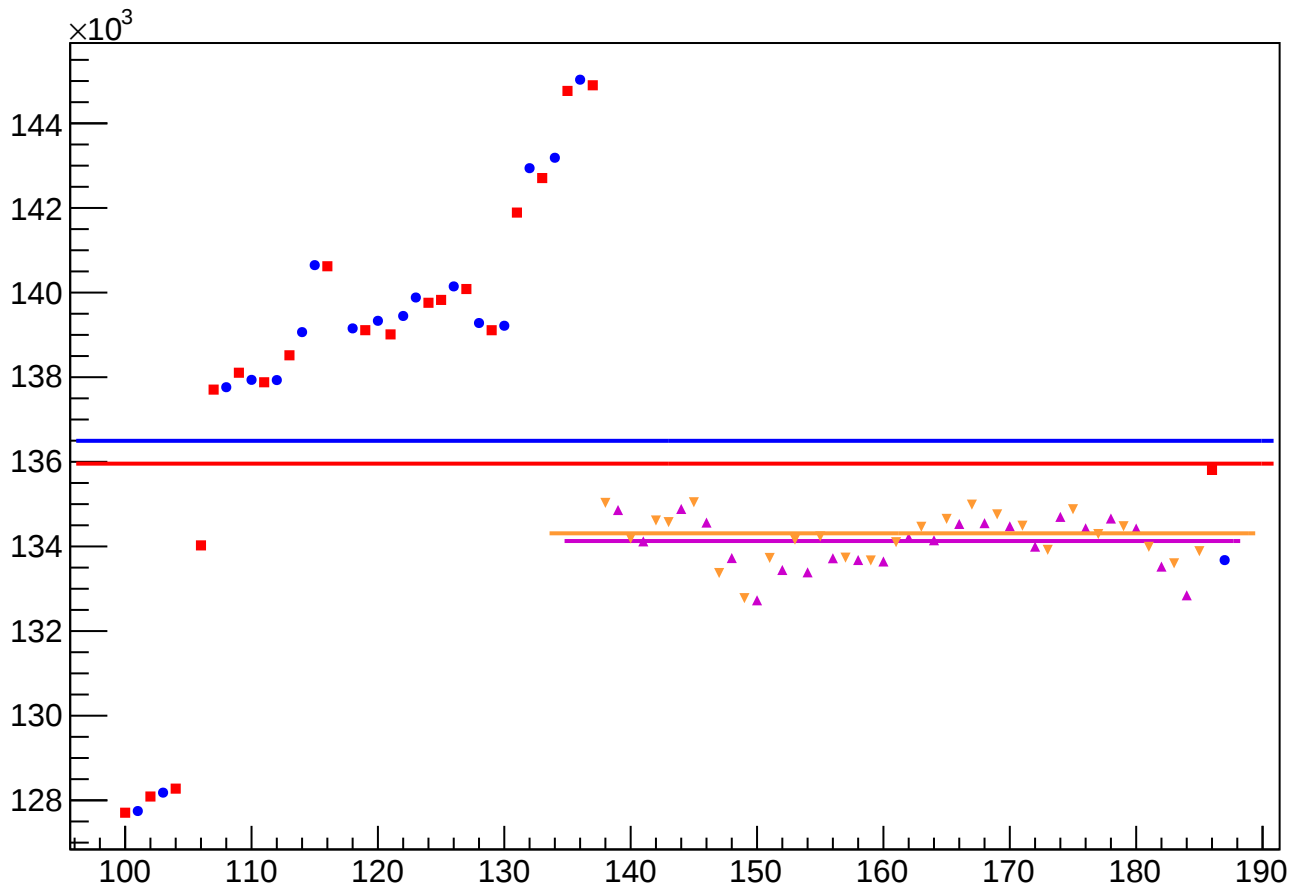
yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 201.782 $\pm$ 0.058 χ^2 /NDF: 981737.8/17
 Left Out: 271.295 $\pm$ 0.046 χ^2 /NDF:1064485.7/24
 Right Out: 194.702 $\pm$ 0.053 χ^2 /NDF: 958812.2/19
 Left In: 268.344 $\pm$ 0.047 χ^2 /NDF:1077364.0/22

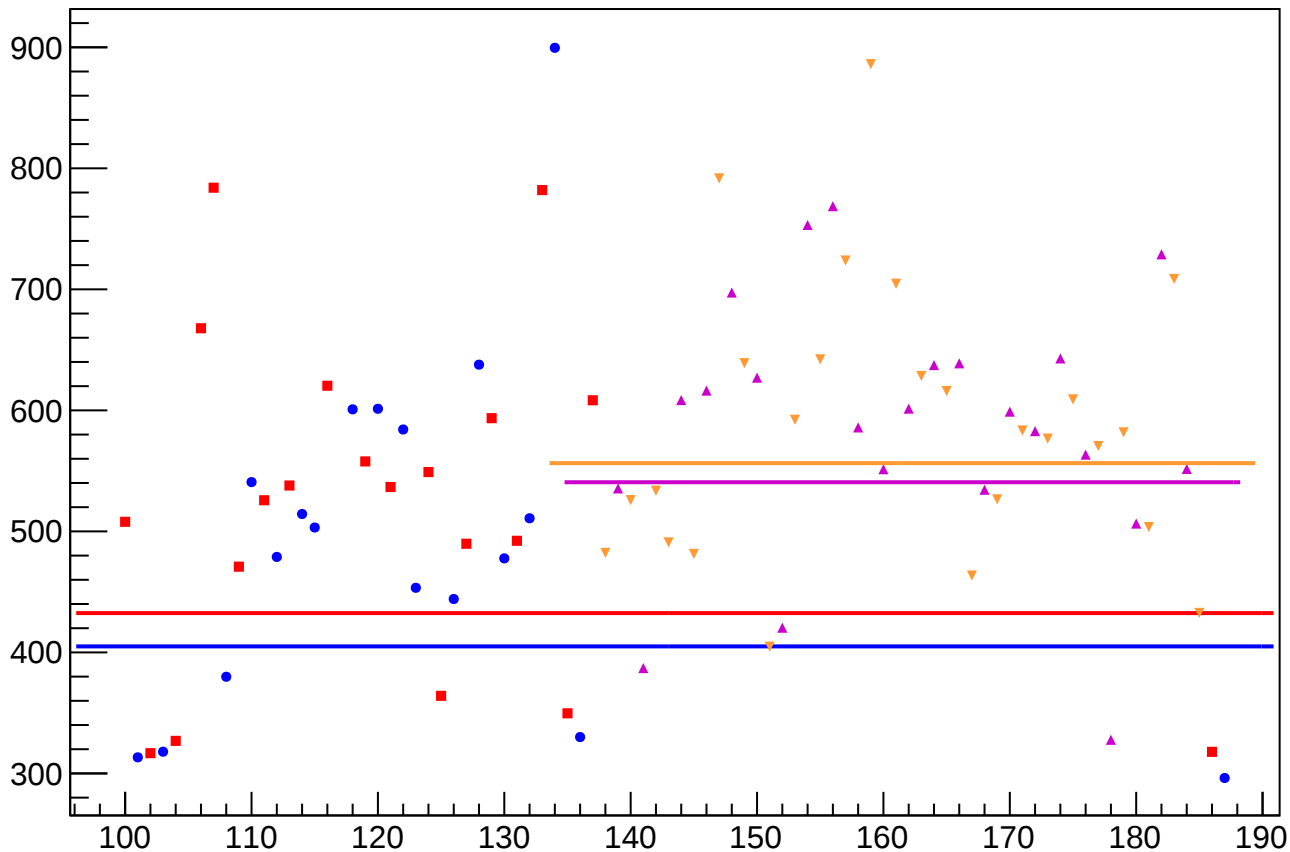
Left: 269.850 $\pm$ 0.033 χ^2 /NDF: 2143892.9/47
 Right: 197.961 $\pm$ 0.039 χ^2 /NDF: 1948619.2/37
 In: 242.150 $\pm$ 0.036 χ^2 /NDF:2860403.0/40
 Out: 238.968 $\pm$ 0.035 χ^2 /NDF:3208994.8/44
 All: 240.488 $\pm$ 0.025 χ^2 /NDF: 6073404.4/85

yield_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: 136496.352 $\pm$ 0.169	χ^2 /NDF: 1502959714.0/17	Left: 134221.438 $\pm$ 0.099	χ^2 /NDF: 31894688.0/47
Left Out: 134310.250 $\pm$ 0.139	χ^2 /NDF: 15518632.9/24	Right: 136236.093 $\pm$ 0.121	χ^2 /NDF: 2588765509.3/17
Right Out: 135956.953 $\pm$ 0.175	χ^2 /NDF: 1080883657.8/19	In: 135108.910 $\pm$ 0.109	χ^2 /NDF: 1633697127.3/40
Left In: 134128.172 $\pm$ 0.142	χ^2 /NDF: 15533736.2/22	Out: 134945.207 $\pm$ 0.109	χ^2 /NDF: 1150865974.0/40
		All: 135027.002 $\pm$ 0.077	χ^2 /NDF: 278569832.0/100

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 404.959+/-0.119 χ^2/NDF : 859062.5/17

Left Out: 556.381+/-0.098 χ^2/NDF :1002064.0/24

Right Out: 432.495+/-0.124 χ^2/NDF : 997356.9/19

Left In: 540.607+/-0.100 χ^2/NDF :1409015.2/22

Left: 548.687+/-0.070 χ^2/NDF : 2423723.9/47

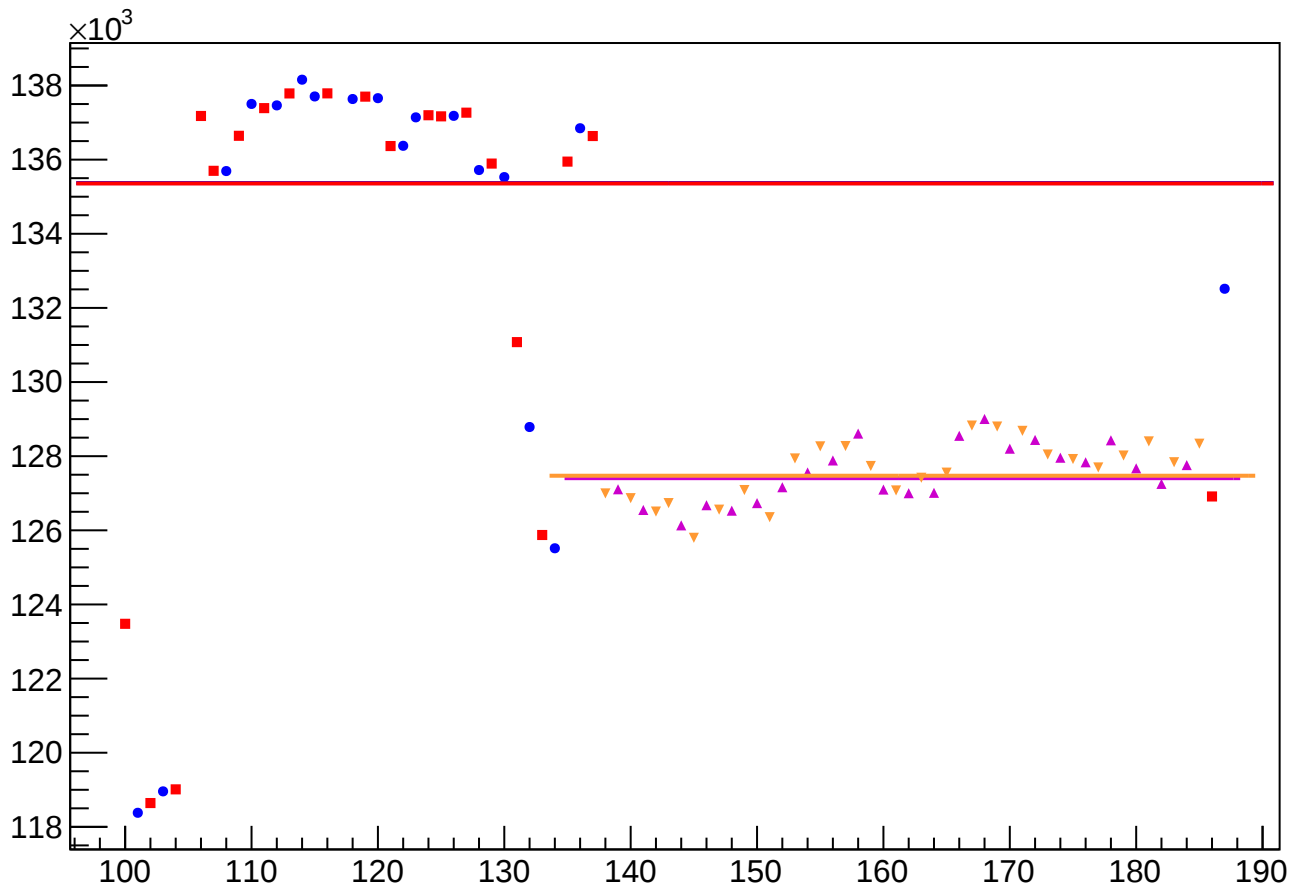
Right: 418.245+/-0.086 χ^2/NDF : 1882074.8/37

In: 484.431+/-0.077 χ^2/NDF :3024029.1/40

Out: 508.612+/-0.077 χ^2/NDF :2615947.4/44

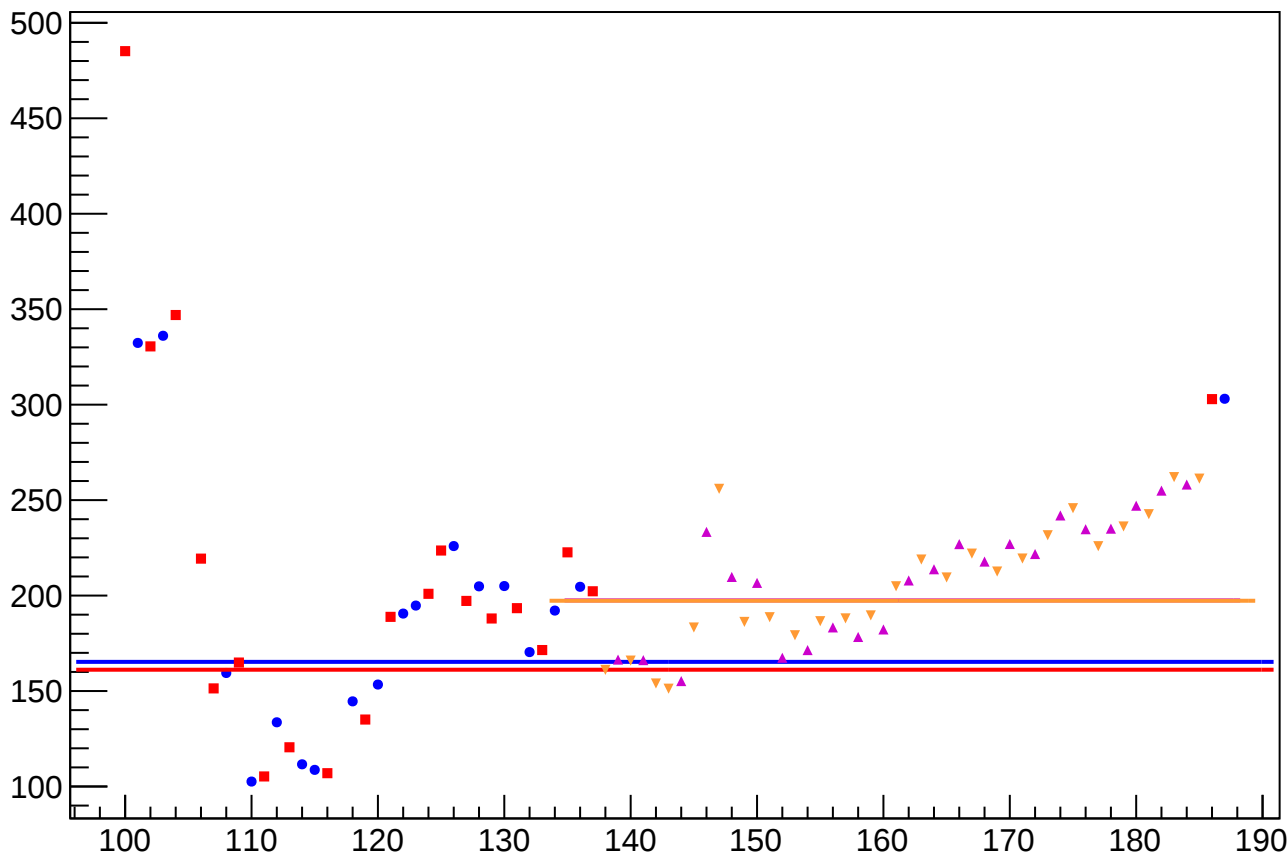
All: 496.530+/-0.054 χ^2/NDF : 5689515.3/85

yield_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: 135368.176 $\pm$ 0.068	χ^2 /NDF: 4591195704.4/17	Left: 127440.757 $\pm$ 0.034	χ^2 /NDF: 574486725.7/47
Left Out: 127472.525 $\pm$ 0.047	χ^2 /NDF: 303609315.6/24	Right: 135362.383 $\pm$ 0.047	χ^2 /NDF: 9620610901.7/17
Right Out: 135357.288 $\pm$ 0.064	χ^2 /NDF: 5029401597.9/19	In: 130075.926 $\pm$ 0.039	χ^2 /NDF: 13945648846.4/47
Left In: 127406.911 $\pm$ 0.048	χ^2 /NDF: 269927988.0/22	Out: 130231.475 $\pm$ 0.038	χ^2 /NDF: 15241474217.6/17
		All: 130157.028 $\pm$ 0.027	χ^2 /NDF: 291952360.0/17

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 165.278 $\pm$ 0.048 χ^2/NDF : 1288892.4/17

Left Out: 197.289 $\pm$ 0.033 χ^2/NDF : 852024.1/24

Right Out: 161.162 $\pm$ 0.045 χ^2/NDF : 1540795.7/19

Left In: 197.471 $\pm$ 0.034 χ^2/NDF : 791577.5/22

Left: 197.377 $\pm$ 0.024 χ^2/NDF : 1643616.2/47

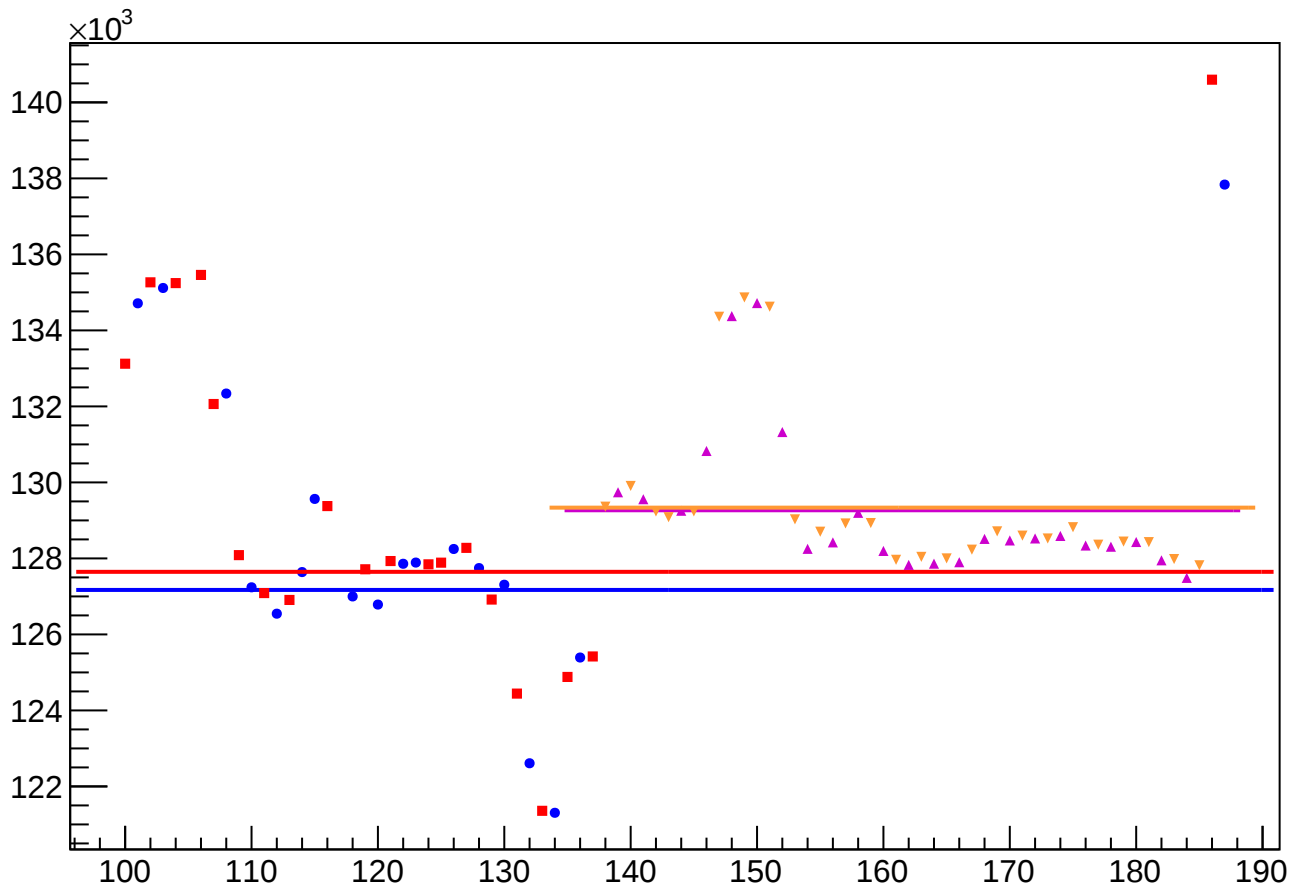
Right: 163.088 $\pm$ 0.033 χ^2/NDF : 2833574.3/37

In: 186.678 $\pm$ 0.028 χ^2/NDF : 2377570.3/40

Out: 184.648 $\pm$ 0.027 χ^2/NDF : 2808853.1/44

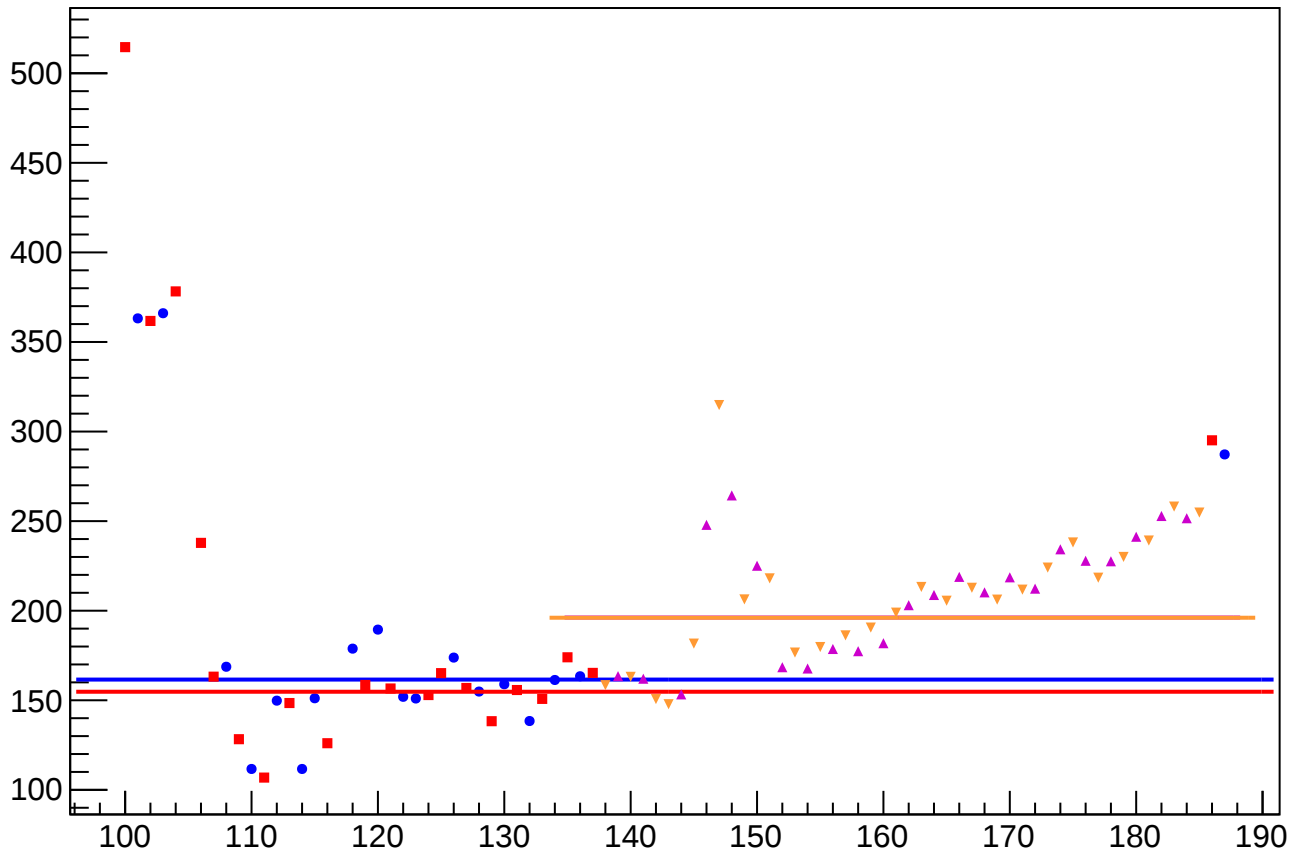
All: 185.620 $\pm$ 0.019 χ^2/NDF : 5189187.4/85

yield_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: 127170.427 $\pm$ 0.066	χ^2 /NDF: 1916908085.7/17	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: 127427.780 $\pm$ 0.045	χ^2 /NDF: 4768150846.5/17
Right Out: 127646.907 $\pm$ 0.061	χ^2 /NDF: 2823247586.9/19	In: 128541.214 $\pm$ 0.039	χ^2 /NDF: 3786772033.7/40
Left In: 129266.909 $\pm$ 0.048	χ^2 /NDF: 1213762773.1/22	Out: 128712.254 $\pm$ 0.037	χ^2 /NDF: 4756655050.5/4
		All: 128630.843 $\pm$ 0.027	χ^2 /NDF: 855353807.1/17

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 161.558 $\pm$ 0.047 χ^2 /NDF: 998142.0/17

Left Out: 196.077 $\pm$ 0.033 χ^2 /NDF:975710.9/24

Right Out: 154.766 $\pm$ 0.043 χ^2 /NDF: 1259155.7/19

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

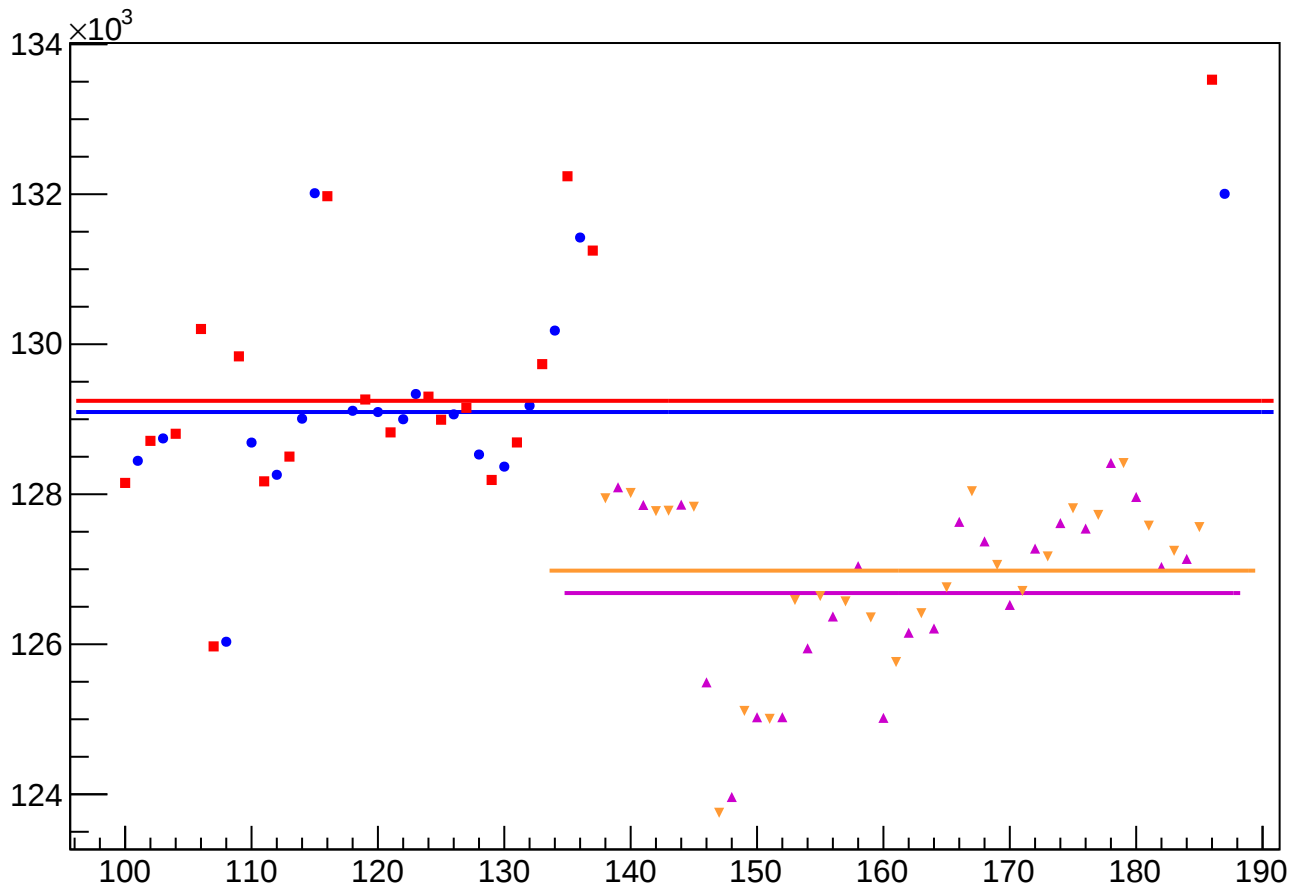
Right: 157.890 $\pm$ 0.032 χ^2 /NDF: 2268673.4/37

In: 184.200 $\pm$ 0.028 χ^2 /NDF:2254197.3/40

Out: 180.823 $\pm$ 0.026 χ^2 /NDF:2812110.6/44

All: 182.430 $\pm$ 0.019 χ^2 /NDF: 5074189.5/85

yield_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: 129096.265 $\pm$ 0.060

χ^2 /NDF: 496195410.7/17

Left: 126836.943 $\pm$ 0.033

χ^2 /NDF: 1211882944.2/4

Left Out: 126981.724 $\pm$ 0.046

χ^2 /NDF: 530573115.8/24

Right: 129176.424 $\pm$ 0.041

χ^2 /NDF: 1211846801.7/7

Right Out: 129245.504 $\pm$ 0.056

χ^2 /NDF: 712330504.6/19

In: 127599.945 $\pm$ 0.037

χ^2 /NDF: 2159166286.8/40

Out: 127887.943 $\pm$ 0.035

χ^2 /NDF: 2232853533.3/4

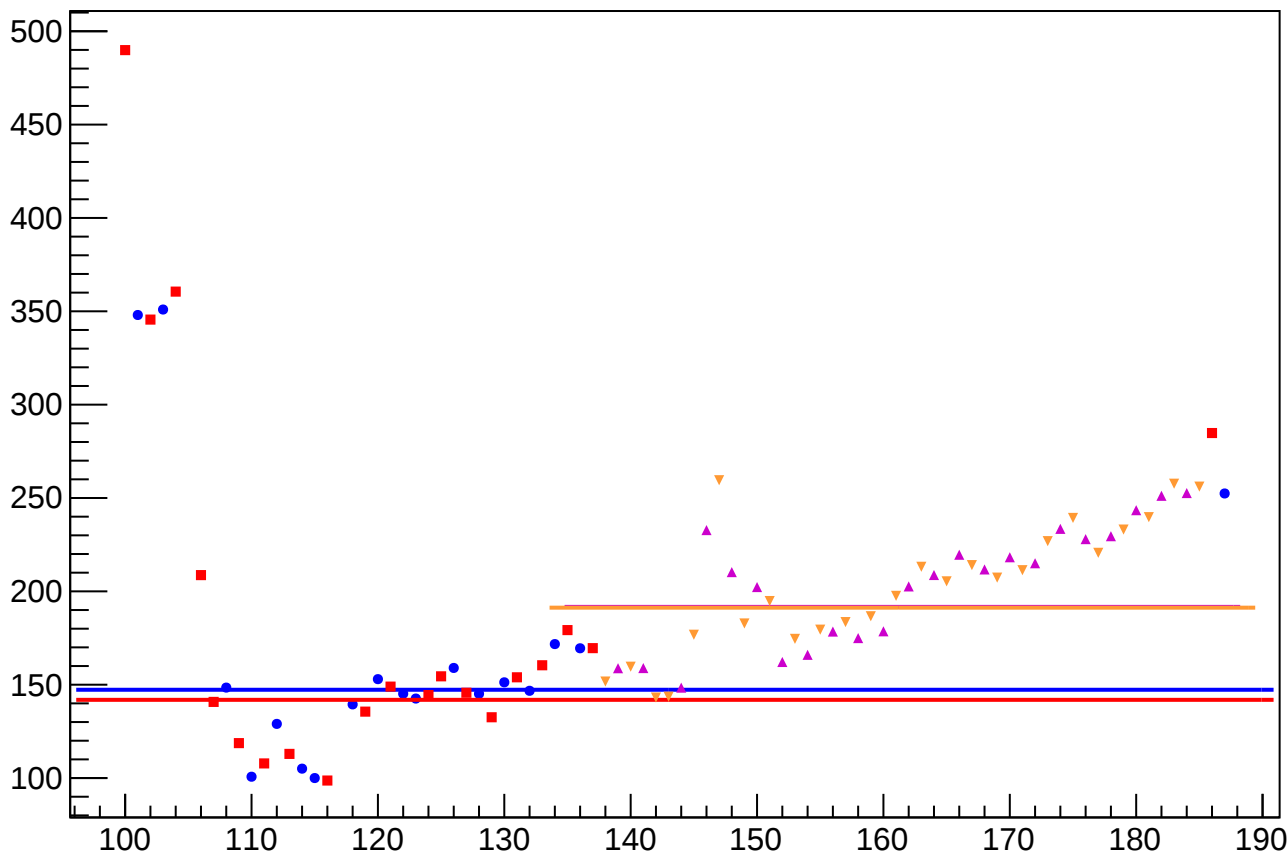
Left In: 126682.659 $\pm$ 0.047

χ^2 /NDF: 660415880.0/22

All: 127750.908 $\pm$ 0.026

χ^2 /NDF: 442377683.3/100

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 147.292 $\pm$ 0.042 χ^2 /NDF: 1118969.7/17

Left Out: 191.263 $\pm$ 0.032 χ^2 /NDF: 992566.2/24

Right Out: 141.897 $\pm$ 0.039 χ^2 /NDF: 1394525.6/19

Left In: 191.683 $\pm$ 0.033 χ^2 /NDF: 864384.9/22

Left: 191.466 $\pm$ 0.023 χ^2 /NDF: 1857033.4/47

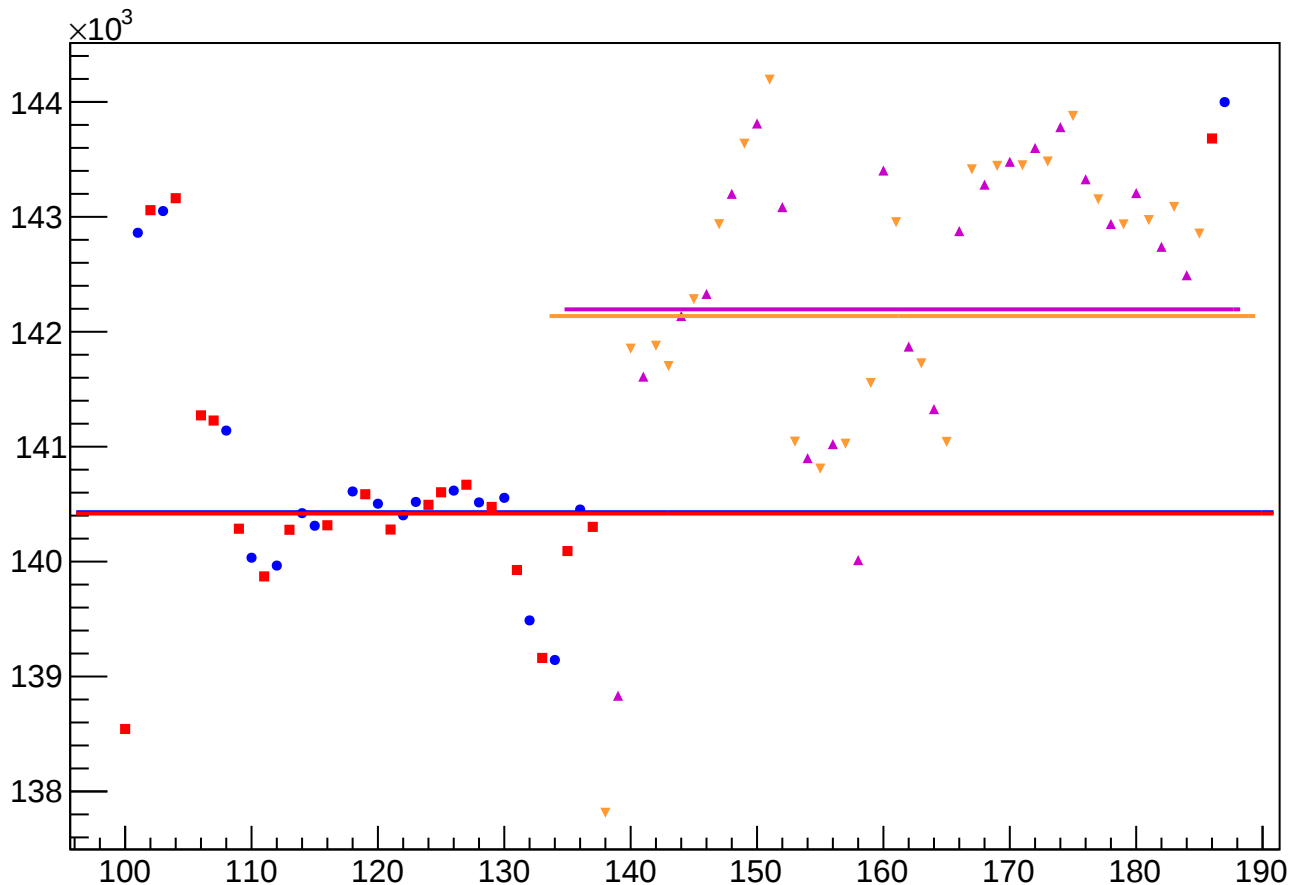
Right: 144.394 $\pm$ 0.029 χ^2 /NDF: 2522175.9/37

In: 174.812 $\pm$ 0.026 χ^2 /NDF: 2661604.1/40

Out: 171.501 $\pm$ 0.025 χ^2 /NDF: 3328632.5/44

All: 173.076 $\pm$ 0.018 χ^2 /NDF: 5998631.1/85

yield_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: 140429.759 $\pm$ 0.064

χ^2/NDF : 112455414.0/17

Left: 142164.953 $\pm$ 0.038

χ^2/NDF : 1460209902.9/4

Left Out: 142136.579 $\pm$ 0.052

χ^2/NDF : 815573343.0/24

Right: 140423.563 $\pm$ 0.044

χ^2/NDF : 254168847.4/3

Right Out: 140418.247 $\pm$ 0.059

χ^2/NDF : 141696132.3/19

In: 141465.914 $\pm$ 0.041

χ^2/NDF : 1200123085.4/40

Out: 141386.826 $\pm$ 0.039

χ^2/NDF : 1427814195.5/4

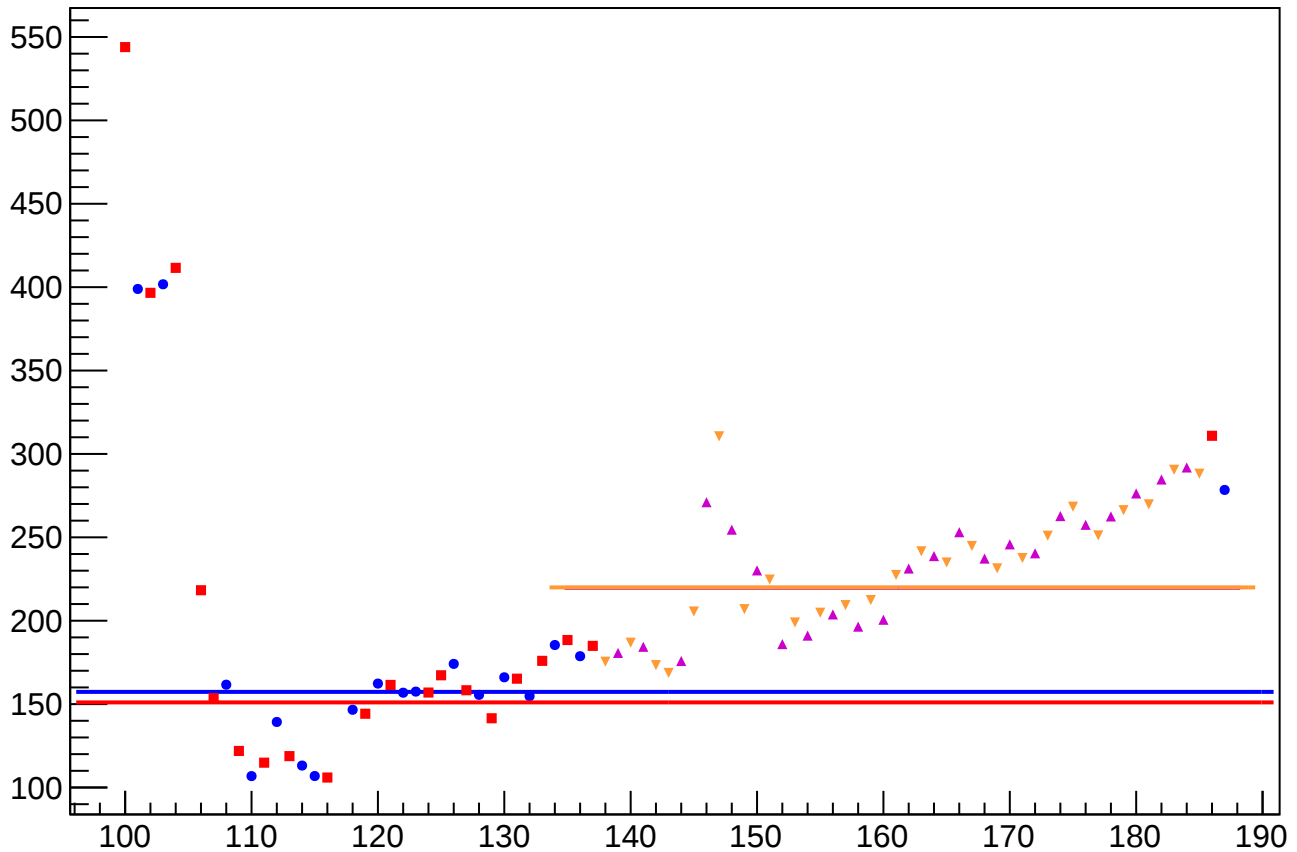
Left In: 142195.020 $\pm$ 0.054

χ^2/NDF : 644030906.9/22

All: 141424.426 $\pm$ 0.028

χ^2/NDF : 262986414

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 157.333 $\pm$ 0.045 χ^2 /NDF: 1210639.6/17

Left Out: 219.969 $\pm$ 0.037 χ^2 /NDF: 866616.3/24

Right Out: 151.022 $\pm$ 0.042 χ^2 /NDF: 1505366.0/19

Left In: 219.685 $\pm$ 0.038 χ^2 /NDF: 812745.1/22

Left: 219.831 $\pm$ 0.027 χ^2 /NDF: 1679390.1/47

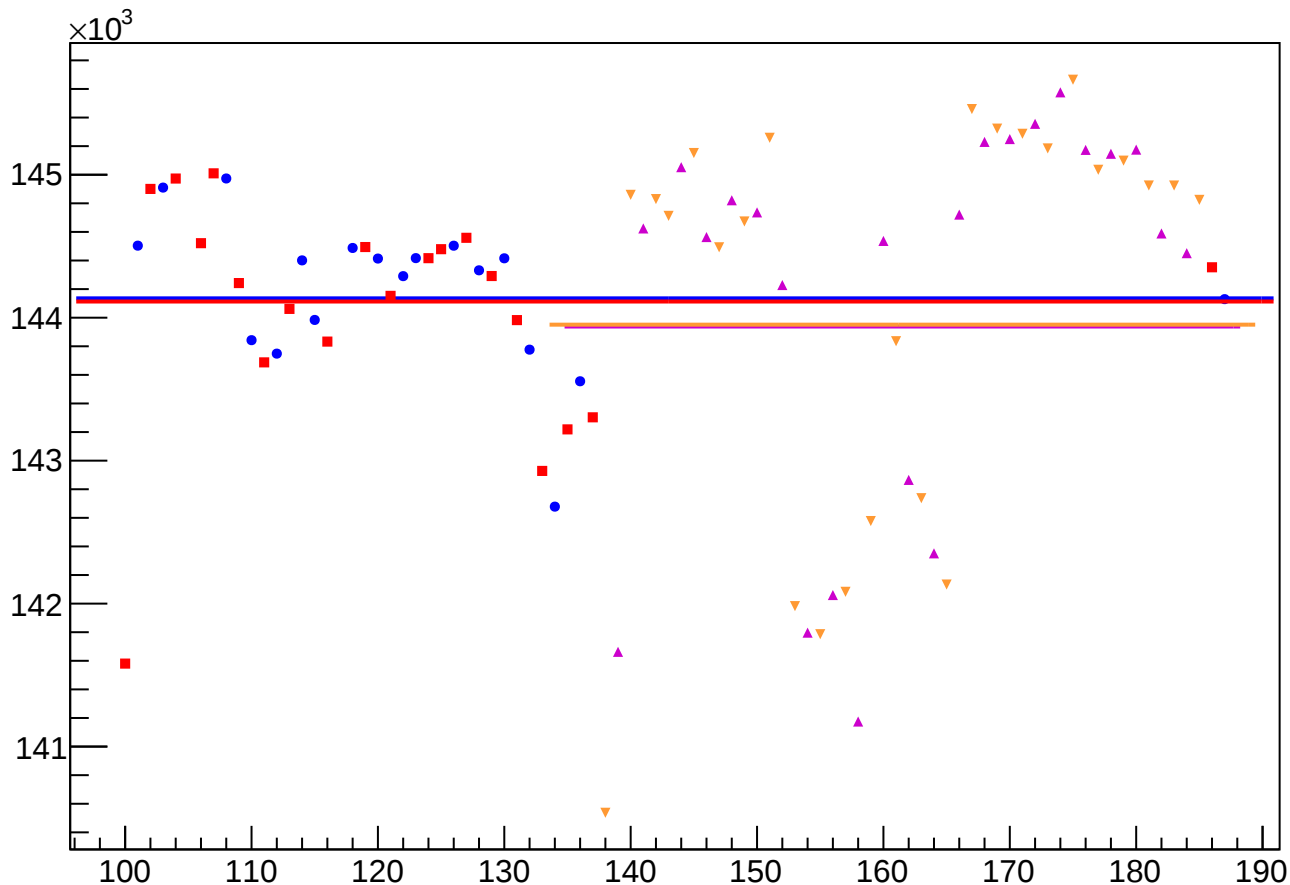
Right: 153.936 $\pm$ 0.031 χ^2 /NDF: 2726405.7/37

In: 193.931 $\pm$ 0.029 χ^2 /NDF: 3130357.1/40

Out: 189.885 $\pm$ 0.028 χ^2 /NDF: 3887130.5/44

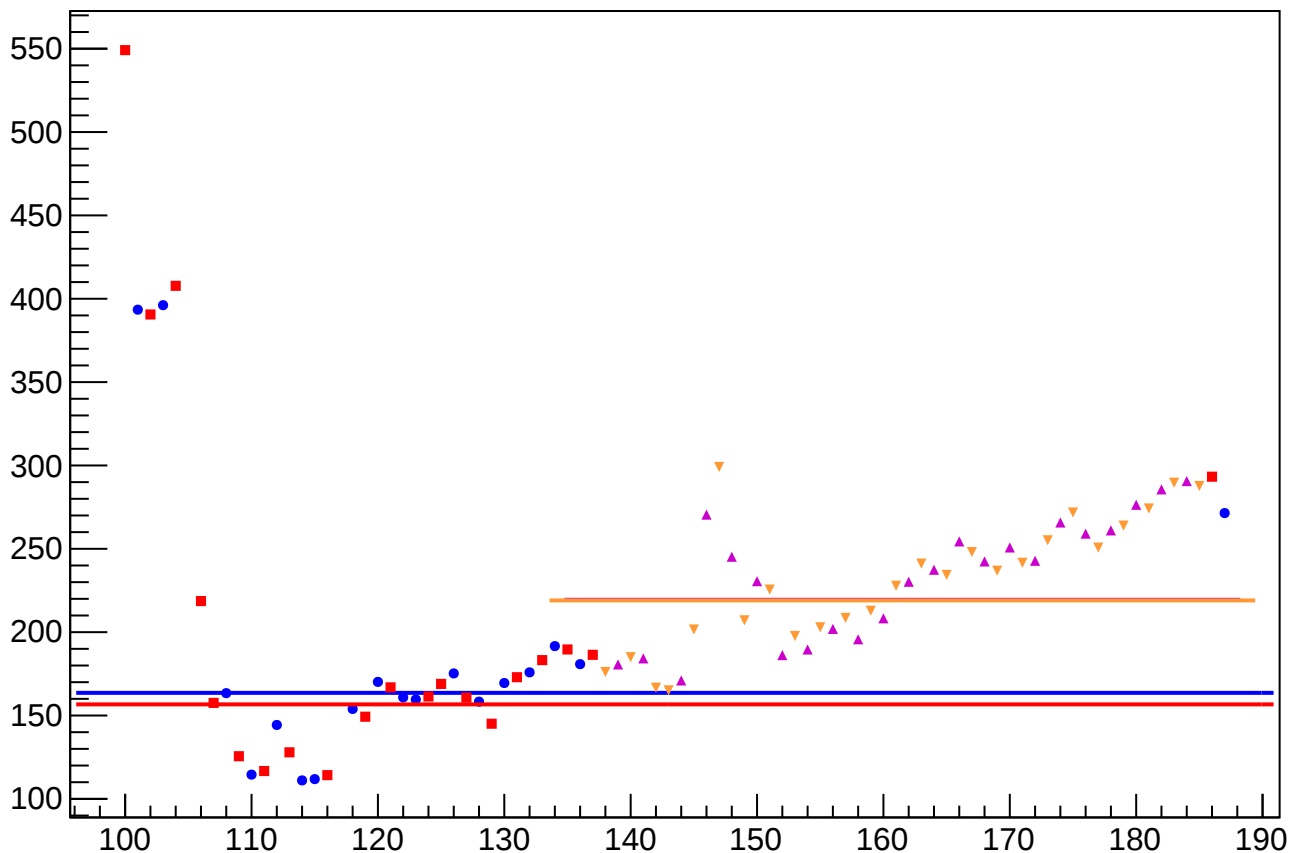
All: 191.809 $\pm$ 0.020 χ^2 /NDF: 7027572.9/85

yield_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: 144135.314 $\pm$ 0.067	χ^2 /NDF: 47030778.0/17	Left: 143944.995 $\pm$ 0.037	χ^2 /NDF: 1584524299.4/4
Left Out: 143951.284 $\pm$ 0.052	χ^2 /NDF: 864679545.2/24	Right: 144123.346 $\pm$ 0.045	χ^2 /NDF: 112580357.1/3
Right Out: 144113.174 $\pm$ 0.061	χ^2 /NDF: 65489799.3/19	In: 144016.193 $\pm$ 0.042	χ^2 /NDF: 772140403.7/40
Left In: 143938.288 $\pm$ 0.054	χ^2 /NDF: 719814685.6/22	Out: 144019.131 $\pm$ 0.040	χ^2 /NDF: 934210266.5/44
		All: 144017.739 $\pm$ 0.029	χ^2 /NDF: 170635326.5/100

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 163.600 $\pm$ 0.047 χ^2 /NDF: 1116510.4/17

Left Out: 219.050 $\pm$ 0.037 χ^2 /NDF:934417.6/24

Right Out: 156.680 $\pm$ 0.043 χ^2 /NDF: 1381422.2/19

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

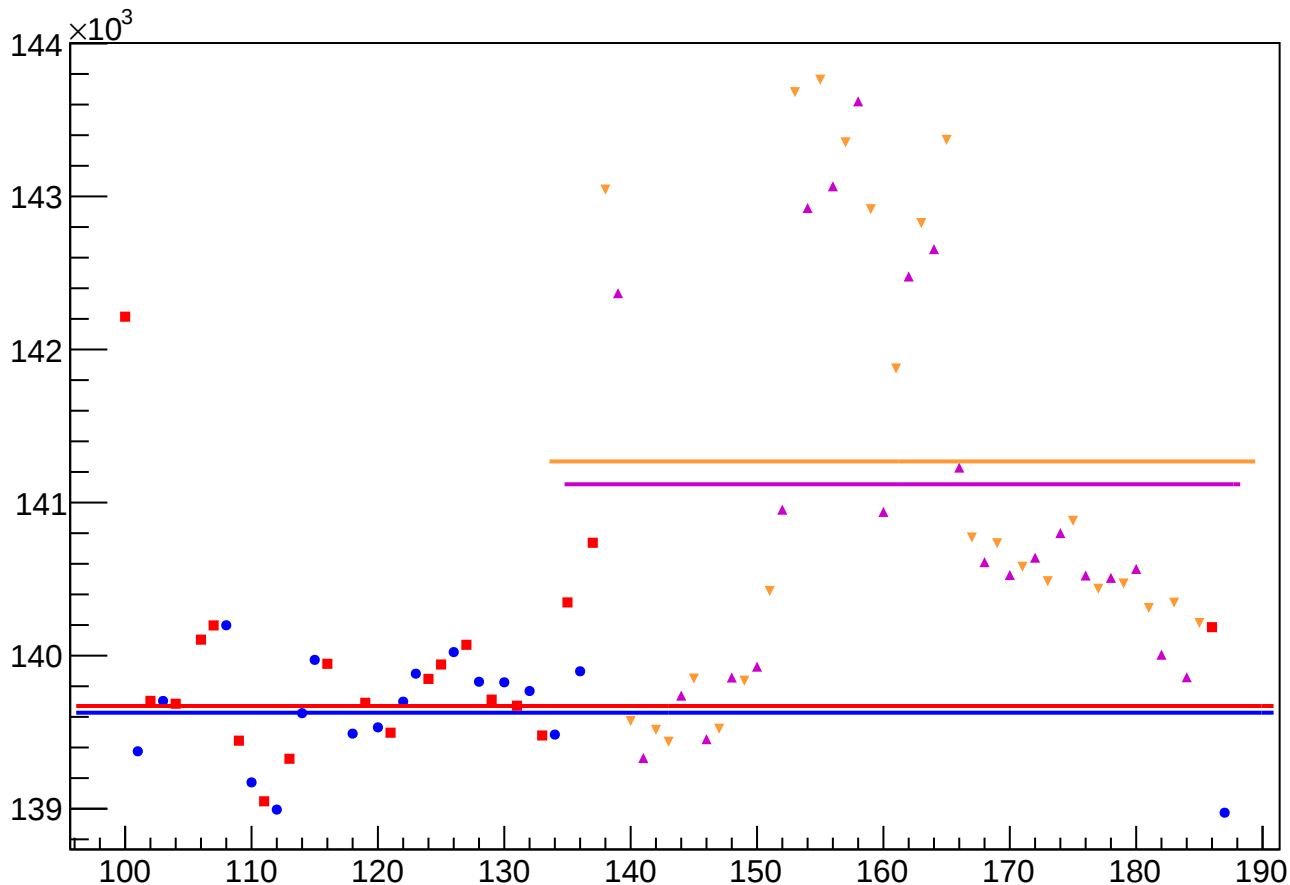
Right: 159.859 $\pm$ 0.032 χ^2 /NDF: 2509610.9/37

In: 197.352 $\pm$ 0.030 χ^2 /NDF:2816790.4/40

Out: 192.911 $\pm$ 0.028 χ^2 /NDF:3515388.7/44

All: 195.016 $\pm$ 0.020 χ^2 /NDF: 6344018.3/85

yield_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: 139627.258 $\pm$ 0.068 χ^2 /NDF: 25816914.8/17

Left Out: 141268.791 $\pm$ 0.054 χ^2 /NDF: 795989244.2/24

Right Out: 139671.075 $\pm$ 0.063 χ^2 /NDF: 39588939.4/19

Left In: 141119.484 $\pm$ 0.055 χ^2 /NDF: 565312728.1/22

Left: 141195.809 $\pm$ 0.038 χ^2 /NDF: 1365080862.2/4

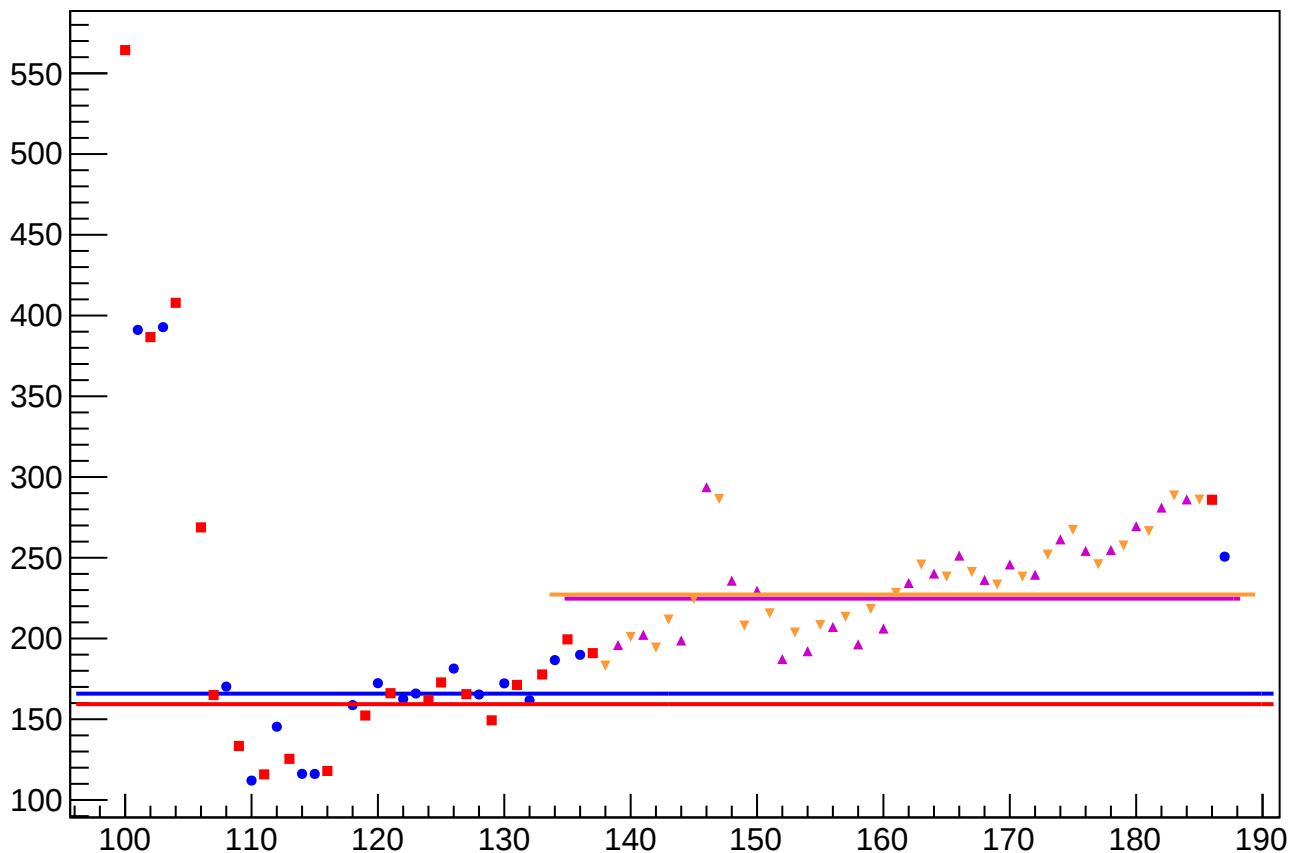
Right: 139650.866 $\pm$ 0.046 χ^2 /NDF: 65632487.4/37

In: 140525.821 $\pm$ 0.043 χ^2 /NDF: 884889808.0/40

Out: 140590.362 $\pm$ 0.041 χ^2 /NDF: 1211477445.3/4

All: 140559.548 $\pm$ 0.029 χ^2 /NDF: 209756596

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 165.846 $\pm$ 0.048 χ^2/NDF : 1098163.7/17

Left Out: 227.224 $\pm$ 0.038 χ^2/NDF : 484955.3/24

Right Out: 159.349 $\pm$ 0.044 χ^2/NDF : 1391767.8/19

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

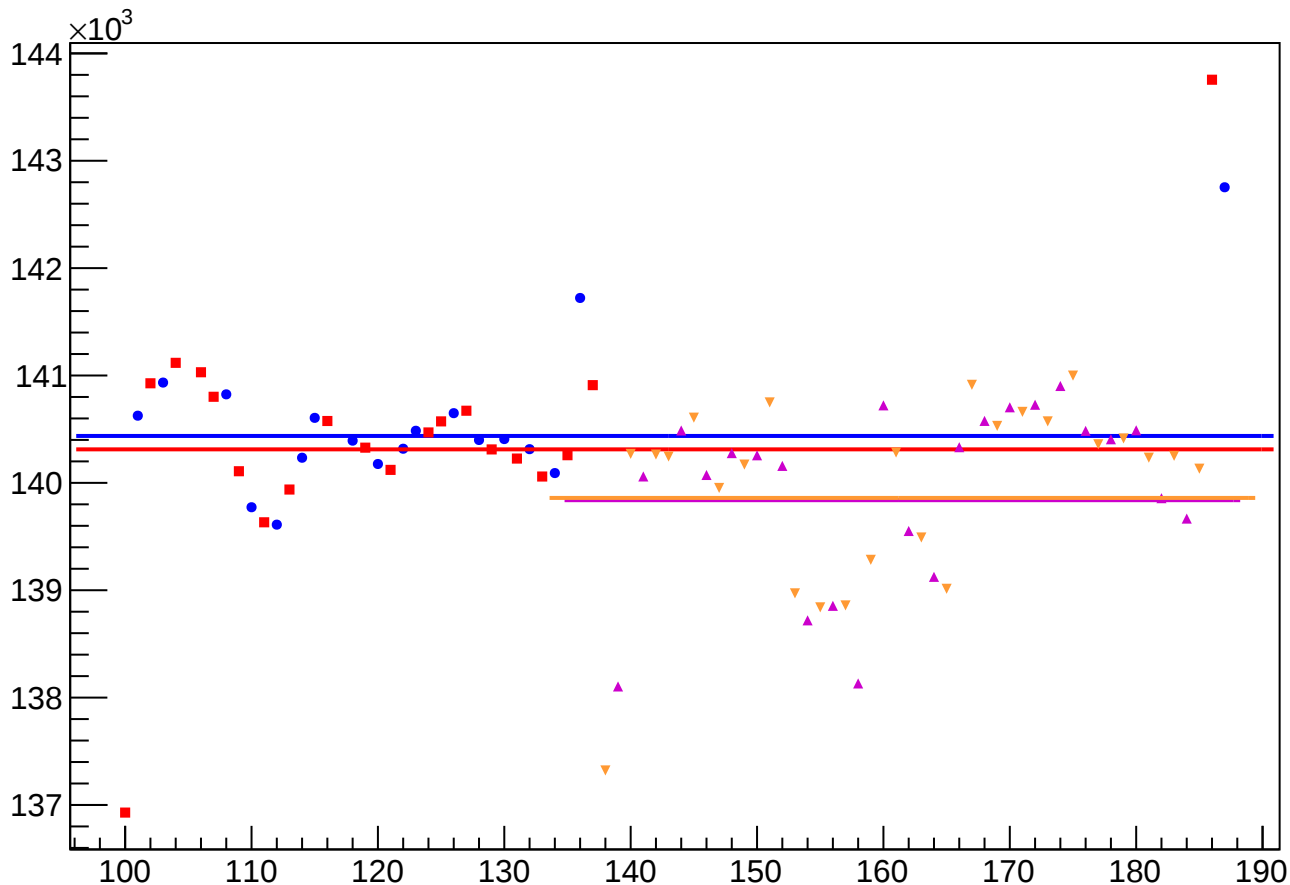
Right: 162.346 $\pm$ 0.032 χ^2/NDF : 2499895.0/37

In: 201.277 $\pm$ 0.030 χ^2/NDF : 2590029.1/40

Out: 198.403 $\pm$ 0.029 χ^2/NDF : 3233533.9/44

All: 199.775 $\pm$ 0.021 χ^2/NDF : 5828318.9/85

yield_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 140436.960 $\pm$ 0.068 χ^2/NDF : 80303566.2/17

Left Out: 139859.696 $\pm$ 0.051 χ^2/NDF : 330118281.5/24

Right Out: 140312.085 $\pm$ 0.063 χ^2/NDF : 86654919.6/19

Left In: 139838.724 $\pm$ 0.053 χ^2/NDF : 279573689.3/22

Left: 139849.553 $\pm$ 0.037 χ^2/NDF : 609773442.9/47

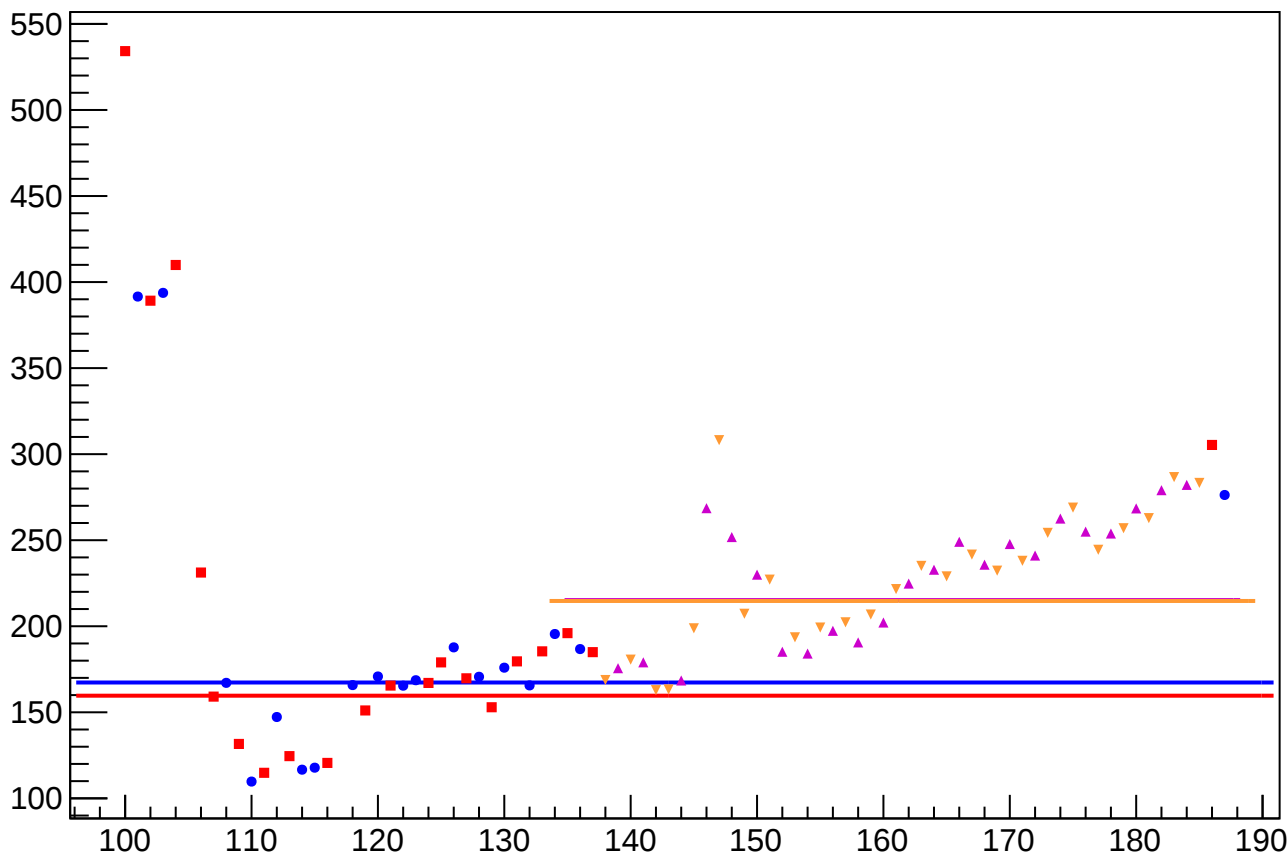
Right: 140369.257 $\pm$ 0.046 χ^2/NDF : 168776238.1/3

In: 140062.914 $\pm$ 0.042 χ^2/NDF : 407988190.8/40

Out: 140040.341 $\pm$ 0.040 χ^2/NDF : 448073278.0/44

All: 140051.032 $\pm$ 0.029 χ^2/NDF : 85621535

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 167.315 $\pm$ 0.048 χ^2 /NDF: 1126806.4/17

Left Out: 214.693 $\pm$ 0.036 χ^2 /NDF: 981105.5/24

Right Out: 159.650 $\pm$ 0.044 χ^2 /NDF: 1400370.0/19

Left In: 215.222 $\pm$ 0.037 χ^2 /NDF: 881945.0/22

Left: 214.949 $\pm$ 0.026 χ^2 /NDF: 1863154.2/47

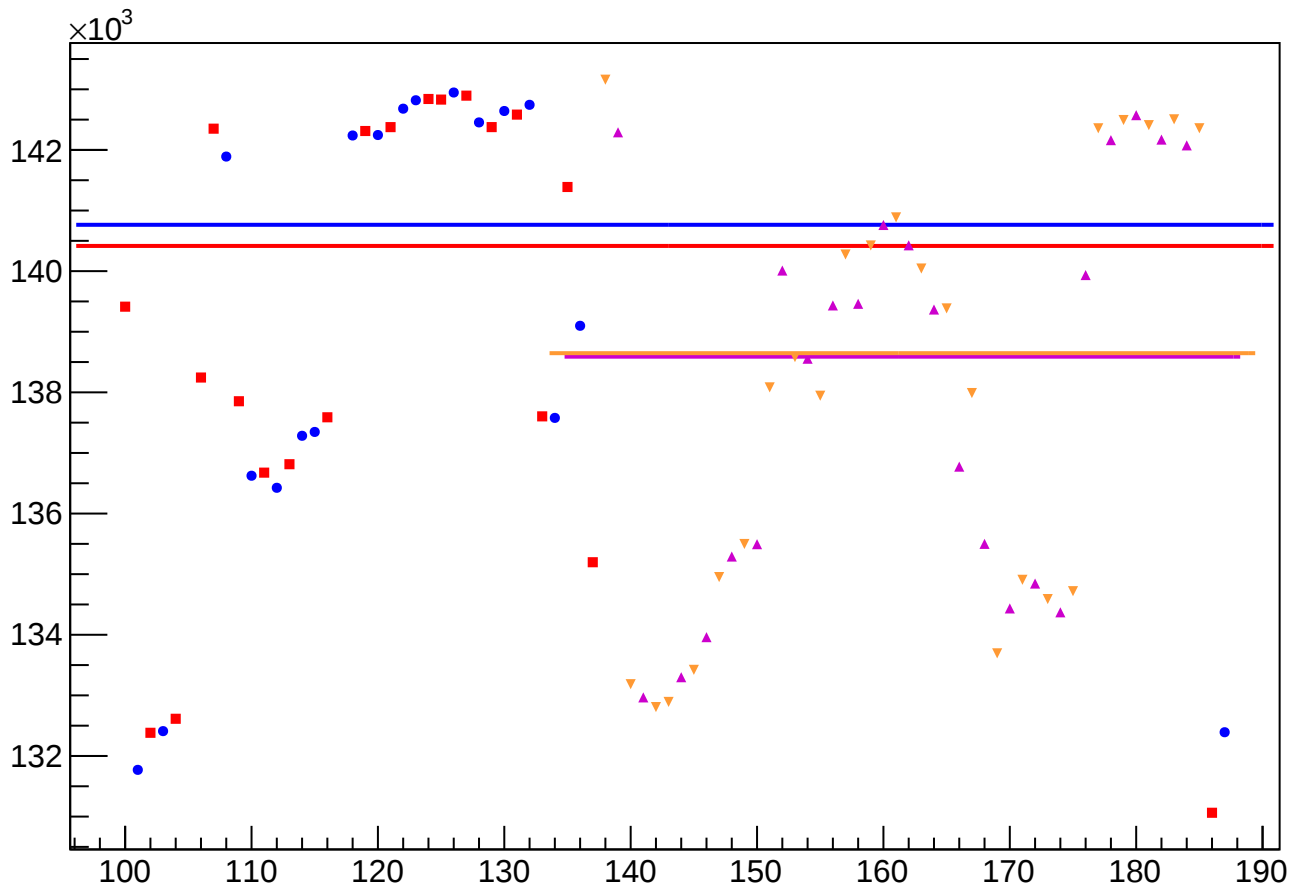
Right: 163.159 $\pm$ 0.033 χ^2 /NDF: 2540874.7/37

In: 197.269 $\pm$ 0.030 χ^2 /NDF: 2625800.5/40

Out: 192.713 $\pm$ 0.028 χ^2 /NDF: 3308208.6/44

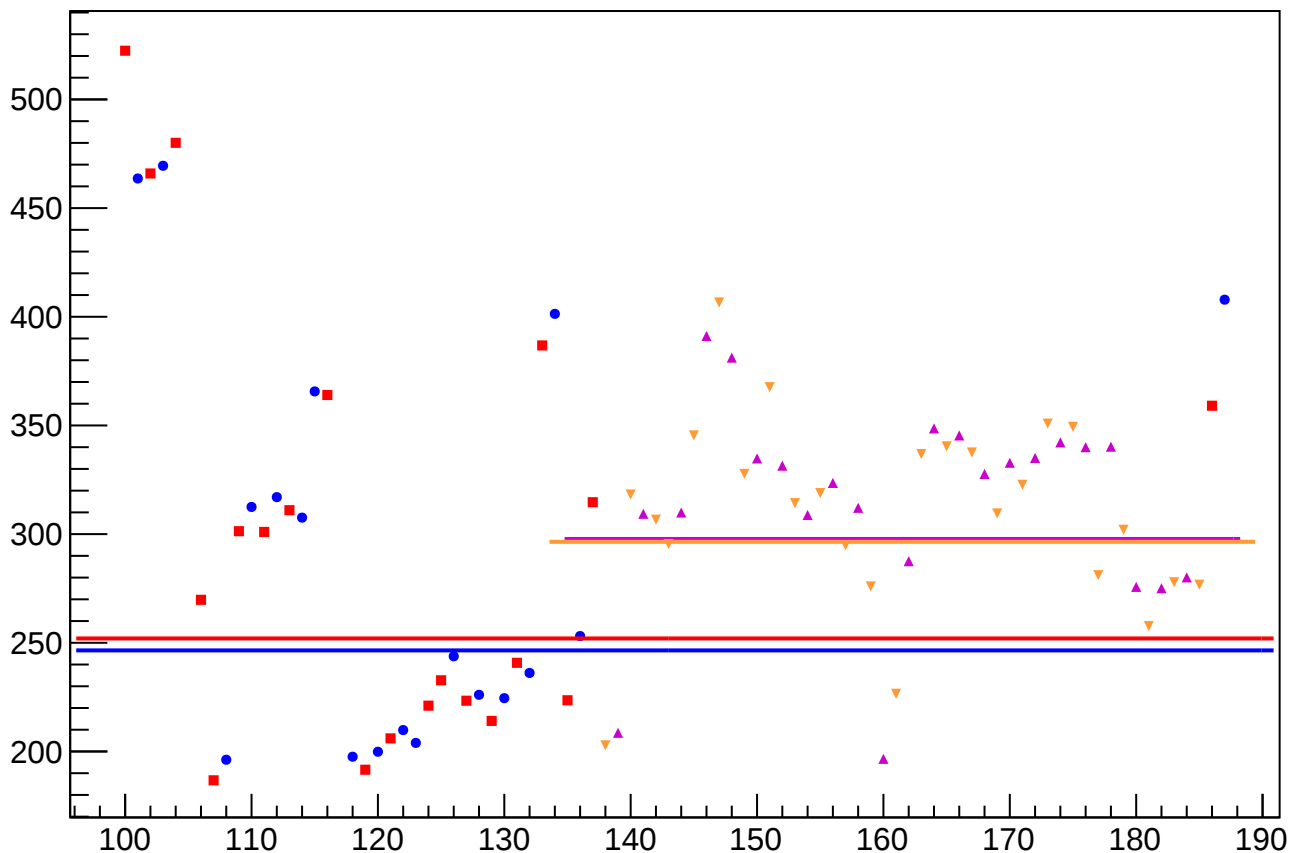
All: 194.871 $\pm$ 0.020 χ^2 /NDF: 5946542.0/85

yield_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: 140764.643 $\pm$ 0.100	χ^2 /NDF: 881835774.6/17	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: 140586.770 $\pm$ 0.070	χ^2 /NDF: 1986107288.4/4
Right Out: 140415.944 $\pm$ 0.098	χ^2 /NDF: 1098037520.0/19	In: 139356.620 $\pm$ 0.059	χ^2 /NDF: 3137838688.0/40
Left In: 138588.711 $\pm$ 0.074	χ^2 /NDF: 1948065195.1/22	Out: 139255.828 $\pm$ 0.057	χ^2 /NDF: 3861524190.7/4
		All: 139304.592 $\pm$ 0.041	χ^2 /NDF: 700085638

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 246.504 $\pm$ 0.071 χ^2/NDF : 913053.7/17

Left Out: 296.464 $\pm$ 0.050 χ^2/NDF :893579.7/24

Right Out: 251.992 $\pm$ 0.069 χ^2/NDF : 1078759.6/19

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

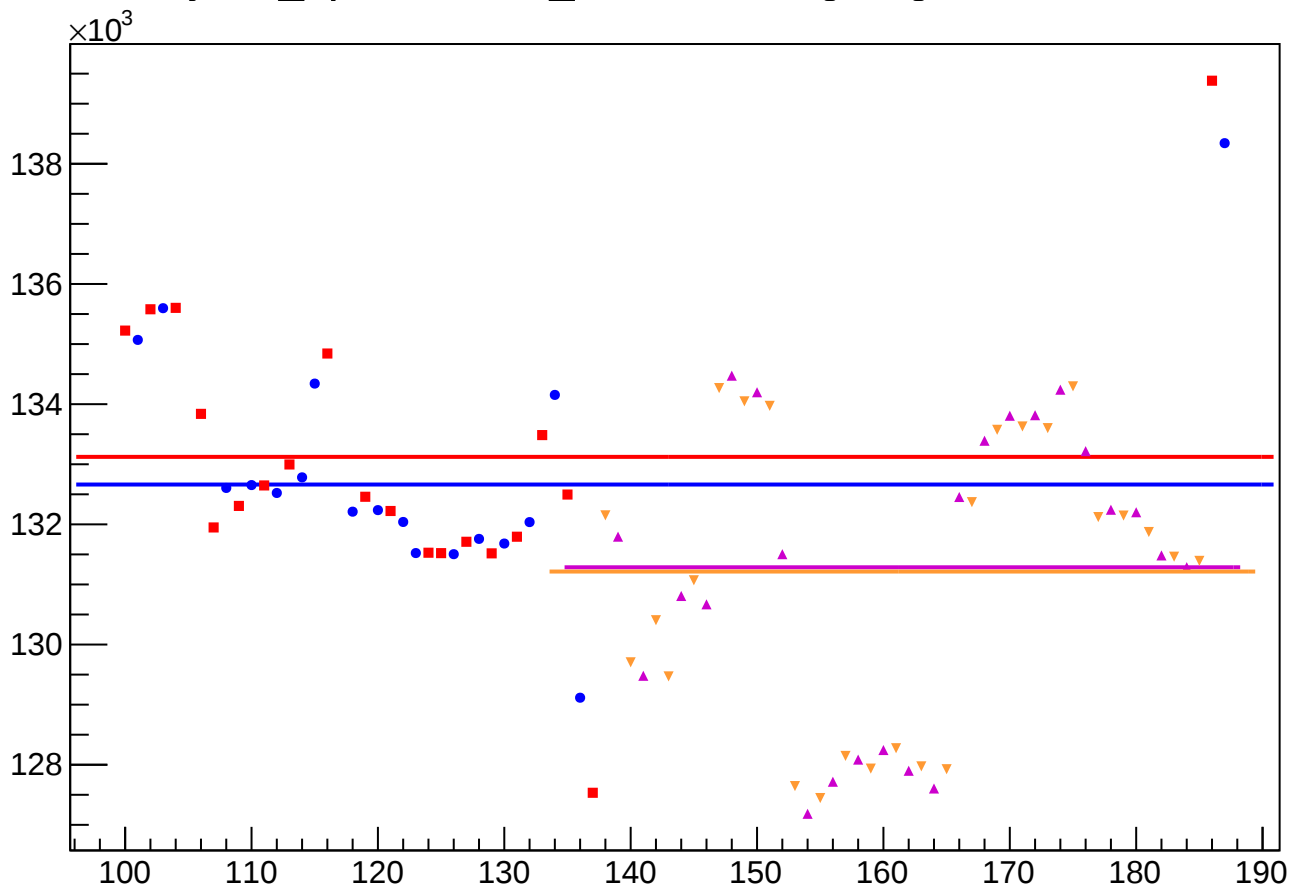
Right: 249.303 $\pm$ 0.049 χ^2/NDF : 1994901.3/37

In: 279.681 $\pm$ 0.042 χ^2/NDF :2316469.0/40

Out: 281.148 $\pm$ 0.041 χ^2/NDF :2243738.9/44

All: 280.438 $\pm$ 0.029 χ^2/NDF : 4560840.7/85

yield_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: 132662.891 $\pm$ 0.118 χ^2 /NDF: 207002004.5/17

Left Out: 131214.985 $\pm$ 0.064 χ^2 /NDF: 1173424494.6/24

Right Out: 133123.173 $\pm$ 0.105 χ^2 /NDF: 312614101.8/19

Left In: 131285.623 $\pm$ 0.068 χ^2 /NDF: 1056232192.1/22

Left: 131248.166 $\pm$ 0.047

Right: 132921.275 $\pm$ 0.078

In: 131629.482 $\pm$ 0.059

Out: 131737.633 $\pm$ 0.055

All: 131687.715 $\pm$ 0.040

χ^2 /NDF: 2230223308.9/4

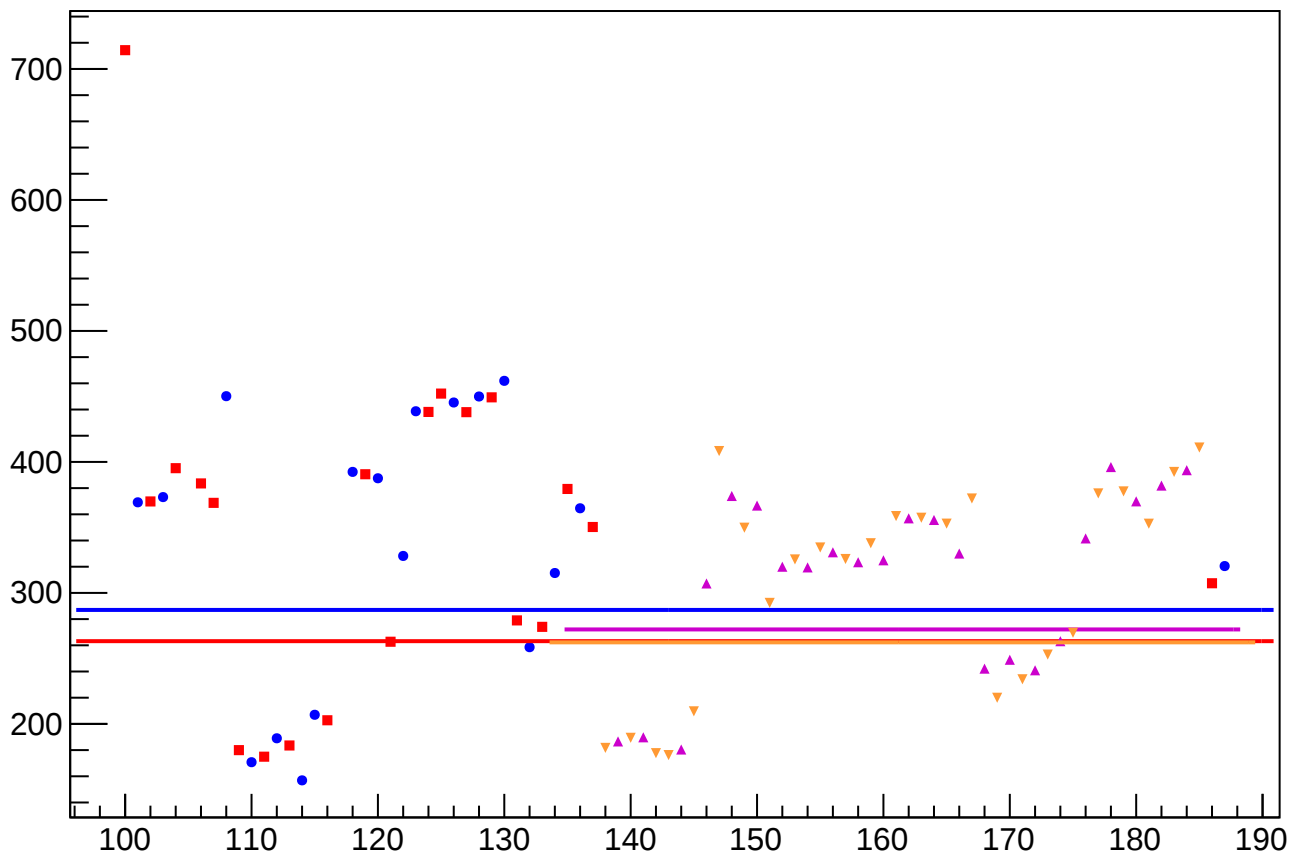
χ^2 /NDF: 528090547.2/3

χ^2 /NDF: 1364650976.1/40

χ^2 /NDF: 1727136748.1/4

χ^2 /NDF: 309358516

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 287.007 $\pm$ 0.084 χ^2/NDF : 1517245.1/17

Left Out: 262.260 $\pm$ 0.045 χ^2/NDF : 2818169.1/24

Right Out: 263.162 $\pm$ 0.074 χ^2/NDF : 1630639.6/19

Left In: 272.115 $\pm$ 0.048 χ^2/NDF : 2221925.0/22

Left: 266.889 $\pm$ 0.033 χ^2/NDF : 5062151.8/47

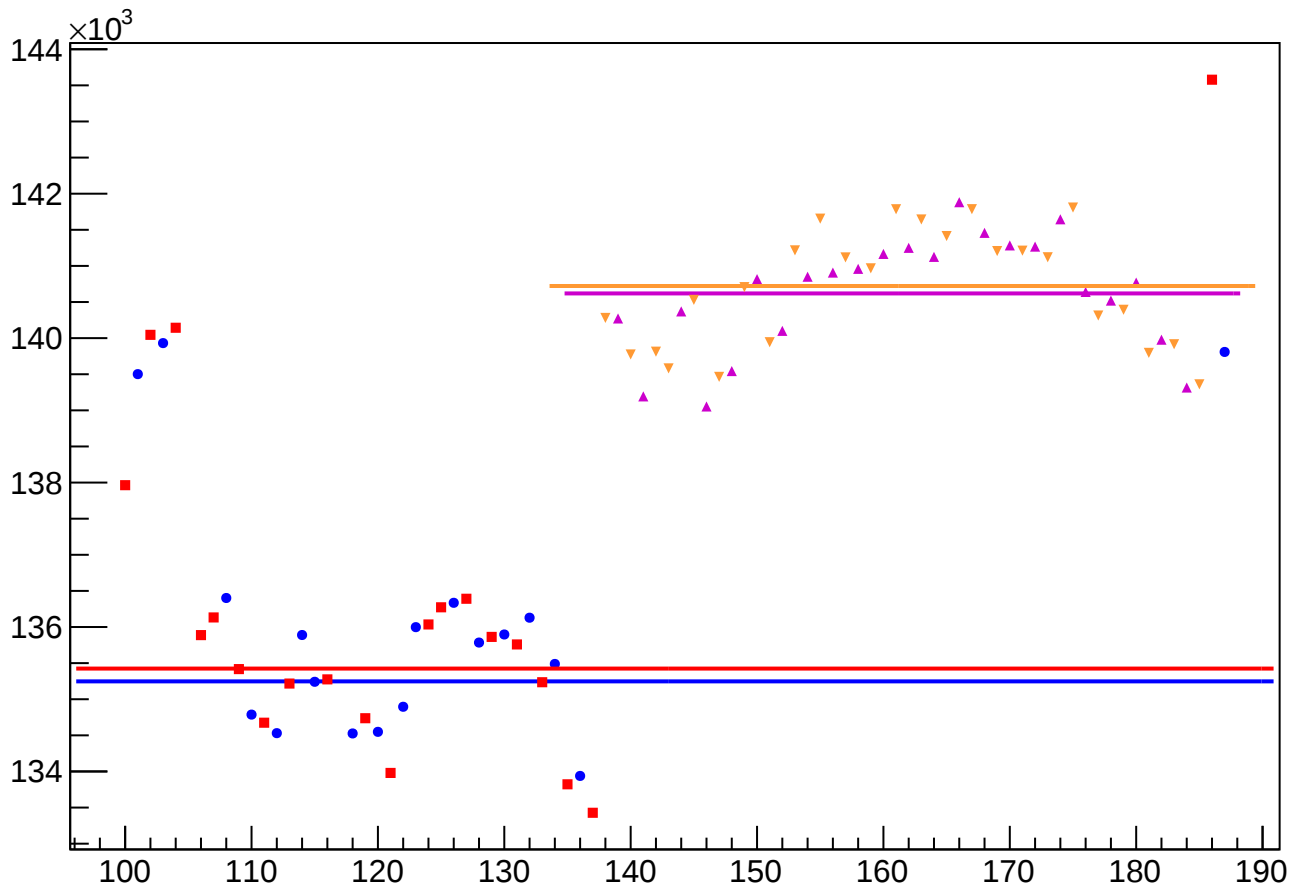
Right: 273.622 $\pm$ 0.055 χ^2/NDF : 3193370.2/37

In: 275.833 $\pm$ 0.042 χ^2/NDF : 3762885.7/40

Out: 262.507 $\pm$ 0.039 χ^2/NDF : 4448916.7/44

All: 268.658 $\pm$ 0.028 χ^2/NDF : 8266380.7/85

yield_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 135247.337 $\pm$ 0.054

χ^2 /NDF: 419912915.3/17

Left: 140673.196 $\pm$ 0.035

χ^2 /NDF: 449761004.9/47

Left Out: 140721.823 $\pm$ 0.048

χ^2 /NDF: 247257762.8/24

Right: 135341.801 $\pm$ 0.037

χ^2 /NDF: 1162402015.9/

Right Out: 135424.591 $\pm$ 0.051

χ^2 /NDF: 736798972.8/19

In: 138094.223 $\pm$ 0.037

χ^2 /NDF: 5817210326.0/40

Out: 138200.093 $\pm$ 0.035

χ^2 /NDF: 6684904043.3/4

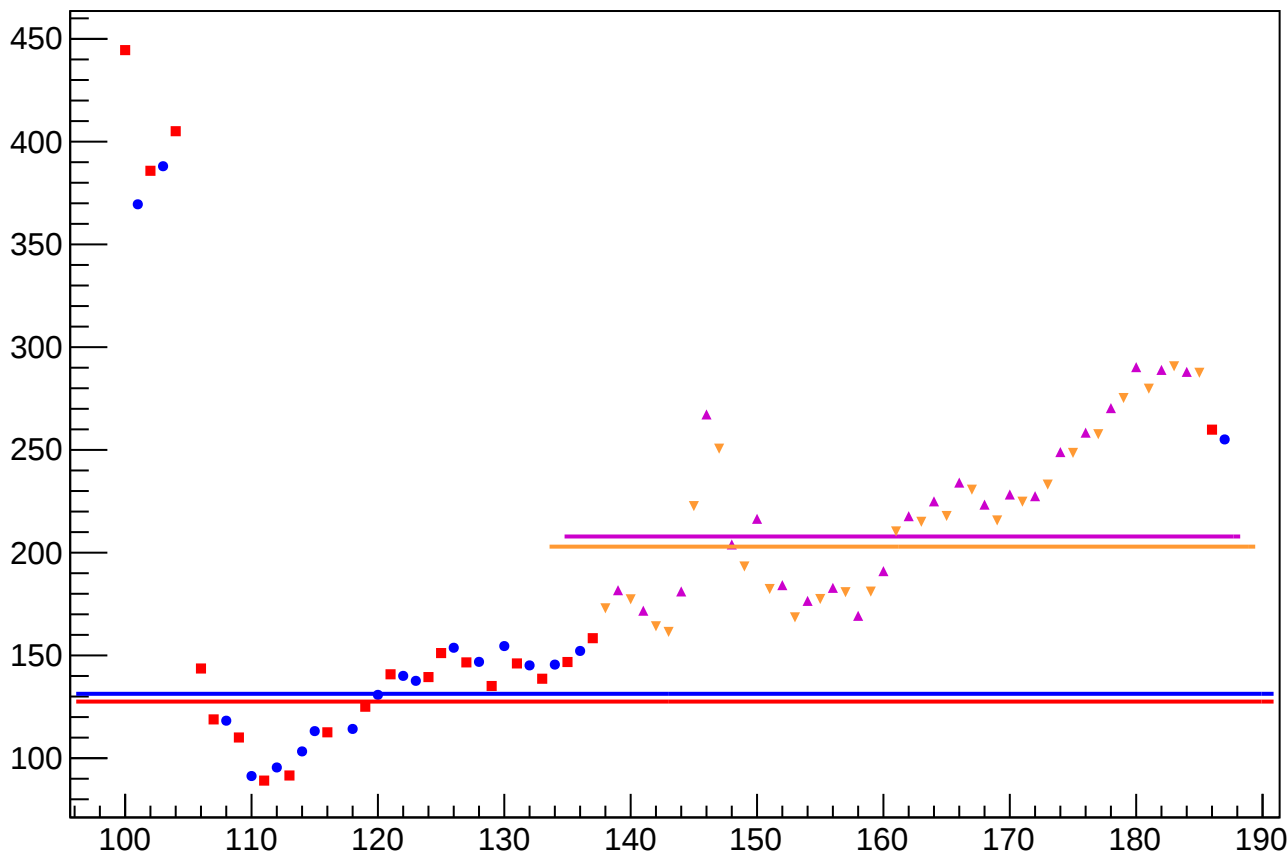
Left In: 140619.038 $\pm$ 0.051

χ^2 /NDF: 200370178.0/22

All: 138150.308 $\pm$ 0.026

χ^2 /NDF: 125064074

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 131.326+/-0.038 χ^2/NDF : 1444379.1/17

Left Out: 202.934+/-0.034 χ^2/NDF : 1052283.6/24

Right Out: 127.541+/-0.036 χ^2/NDF : 1634654.1/19

Left In: 207.872+/-0.036 χ^2/NDF : 949200.3/22

Left: 205.270+/-0.025 χ^2/NDF : 2011329.4/47

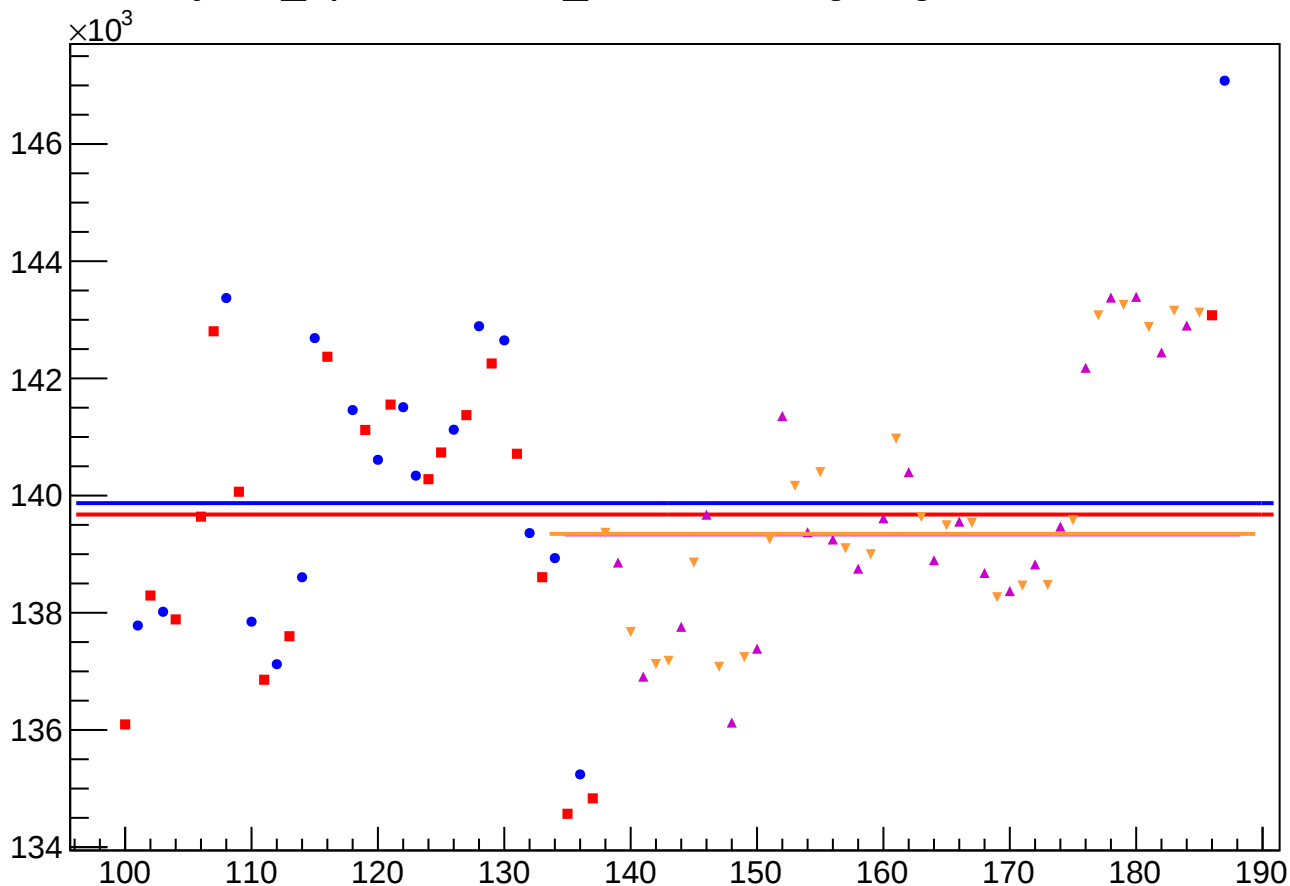
Right: 129.309+/-0.026 χ^2/NDF : 3084222.4/37

In: 171.894+/-0.026 χ^2/NDF : 4504108.3/40

Out: 167.044+/-0.025 χ^2/NDF : 4996495.9/44

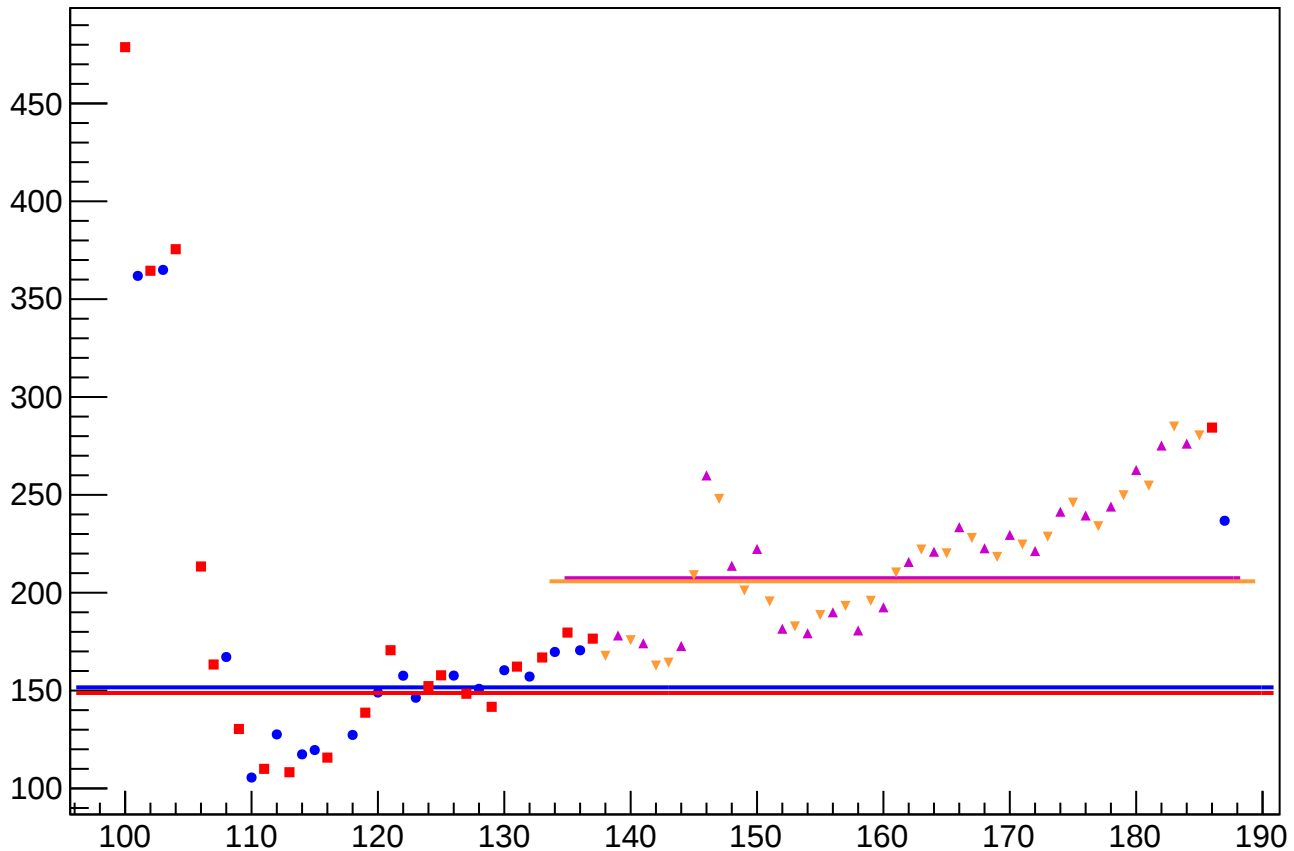
All: 169.324+/-0.018 χ^2/NDF : 9518625.2/85

yield_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 139870.997 $\pm$ 0.062	χ^2 /NDF: 1808143019.8/17	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: 139768.816 $\pm$ 0.042	χ^2 /NDF: 3372993121.1/4
Right Out: 139676.830 $\pm$ 0.059	χ^2 /NDF: 1559645300.0/19	In: 139553.288 $\pm$ 0.039	χ^2 /NDF: 3145580620.6/40
Left In: 139337.874 $\pm$ 0.051	χ^2 /NDF: 1293003954.9/22	Out: 139482.428 $\pm$ 0.038	χ^2 /NDF: 2849525720.3/4
		All: 139516.312 $\pm$ 0.027	χ^2 /NDF: 59968074

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 151.640 $\pm$ 0.044 χ^2 /NDF: 1089144.2/17

Left Out: 205.833 $\pm$ 0.035 χ^2 /NDF: 738666.4/24

Right Out: 148.764 $\pm$ 0.041 χ^2 /NDF: 1376110.1/19

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

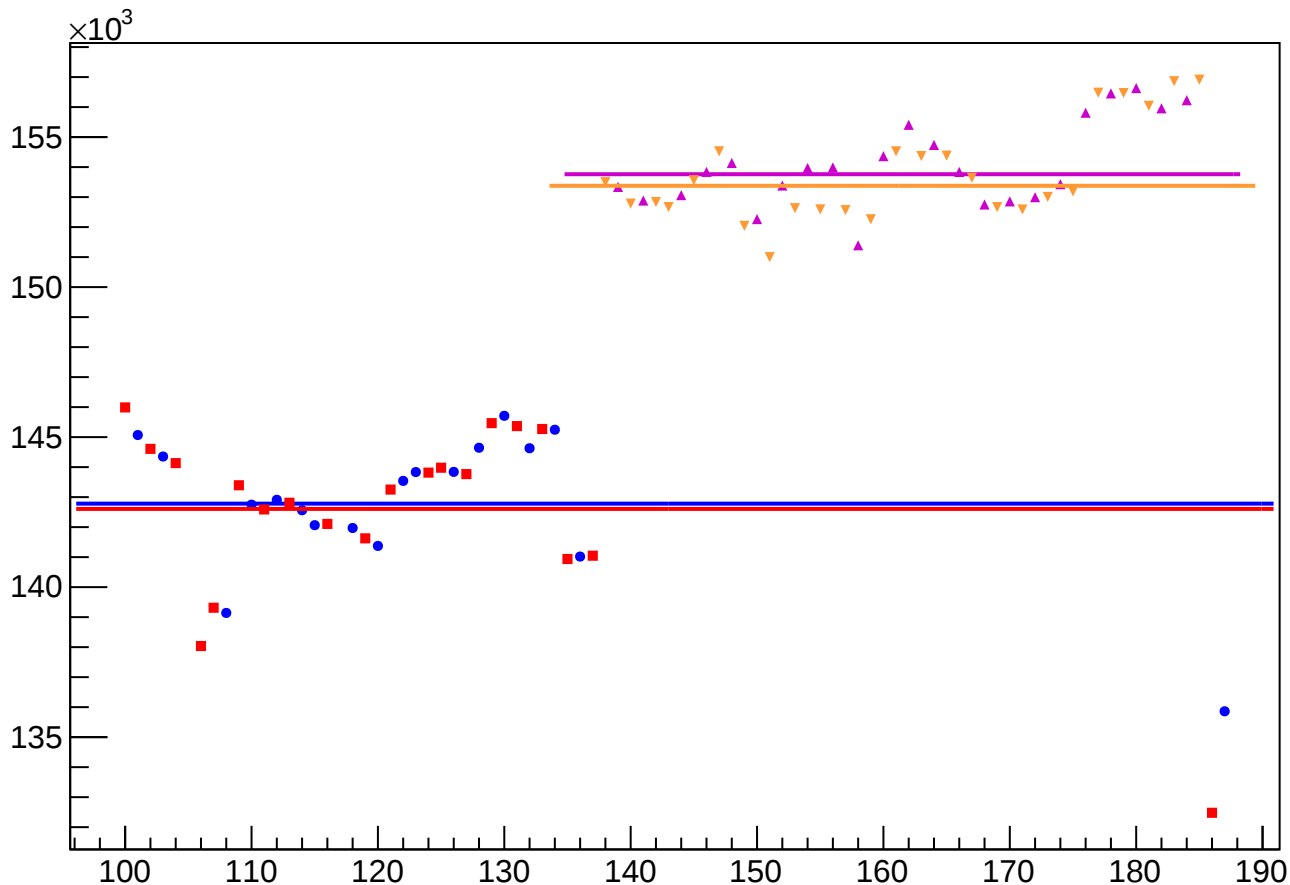
Right: 150.127 $\pm$ 0.030 χ^2 /NDF: 2467537.8/37

In: 184.879 $\pm$ 0.028 χ^2 /NDF: 2763810.0/40

Out: 182.360 $\pm$ 0.027 χ^2 /NDF: 3232194.5/44

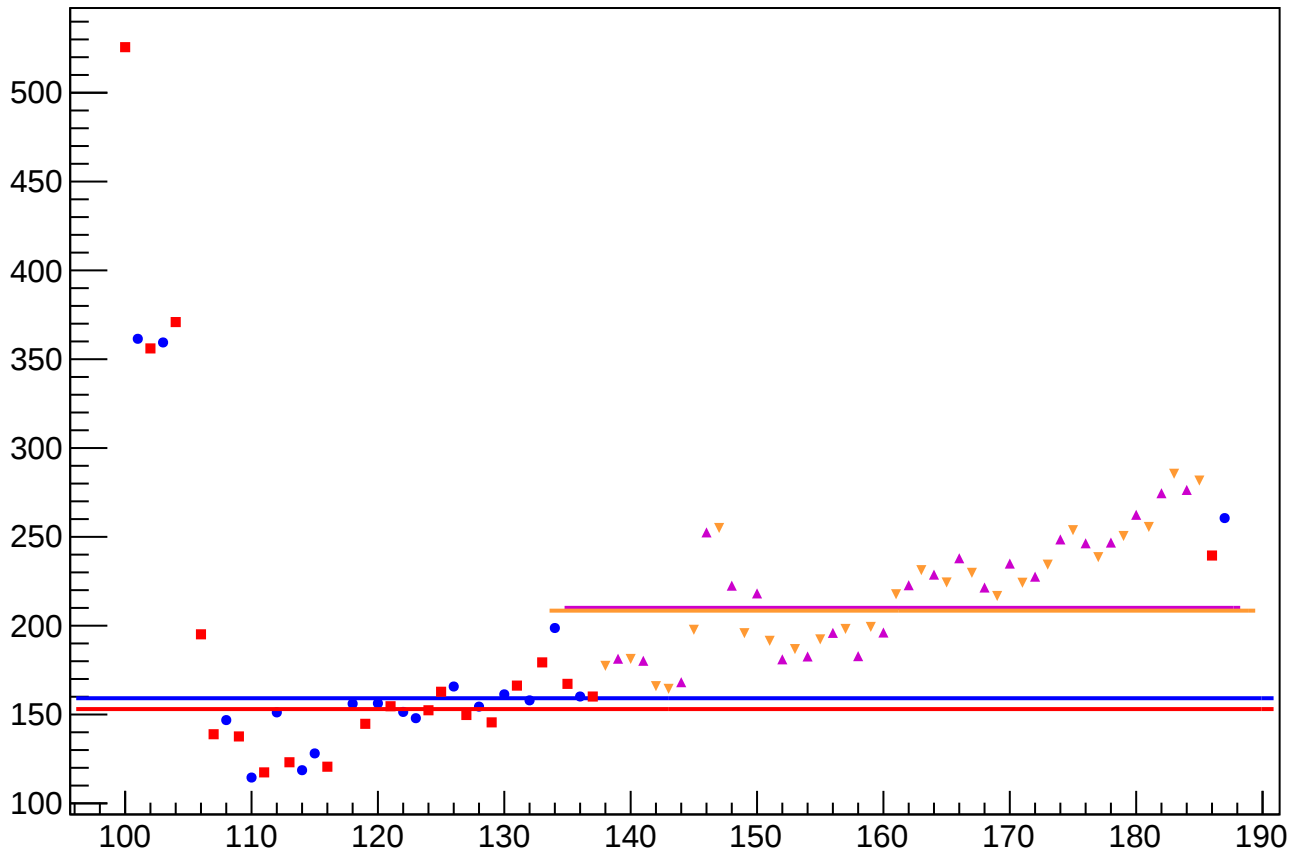
All: 183.565 $\pm$ 0.019 χ^2 /NDF: 6000304.6/85

yield_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 142782.980+/-0.064	χ^2/NDF : 841917755.6/17	Left: 153562.262+/-0.036	χ^2/NDF : 1468093411.3/4
Left Out: 153376.698+/-0.050	χ^2/NDF : 803848095.1/24	Right: 142688.324+/-0.044	χ^2/NDF : 2381718756.1/4
Right Out: 142607.187+/-0.060	χ^2/NDF : 1535799823.2/19	In: 149492.348+/-0.040	χ^2/NDF : 19190463838.7/4
Left In: 153762.419+/-0.051	χ^2/NDF : 635075685.0/22	Out: 148985.915+/-0.038	χ^2/NDF : 21610452555.8/4
		All: 149225.607+/-0.028	χ^2/NDF : 408844382.0/4

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 159.169 $\pm$ 0.046 χ^2 /NDF: 929194.7/17

Left Out: 208.466 $\pm$ 0.035 χ^2 /NDF: 720894.7/24

Right Out: 153.060 $\pm$ 0.042 χ^2 /NDF: 1100524.0/19

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

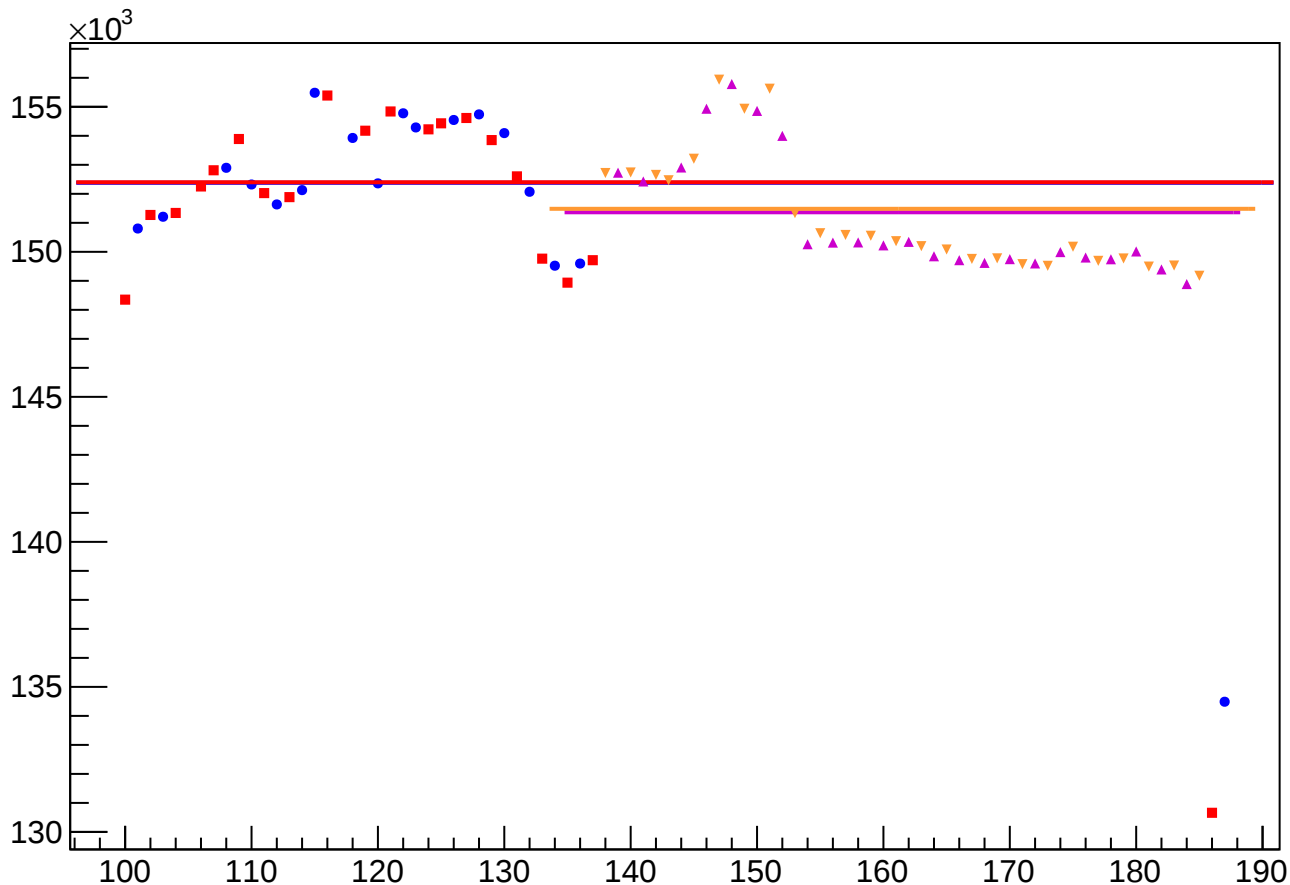
Right: 155.880 $\pm$ 0.031 χ^2 /NDF: 2039382.8/37

In: 190.254 $\pm$ 0.028 χ^2 /NDF: 2392017.8/40

Out: 185.877 $\pm$ 0.027 χ^2 /NDF: 2841528.1/44

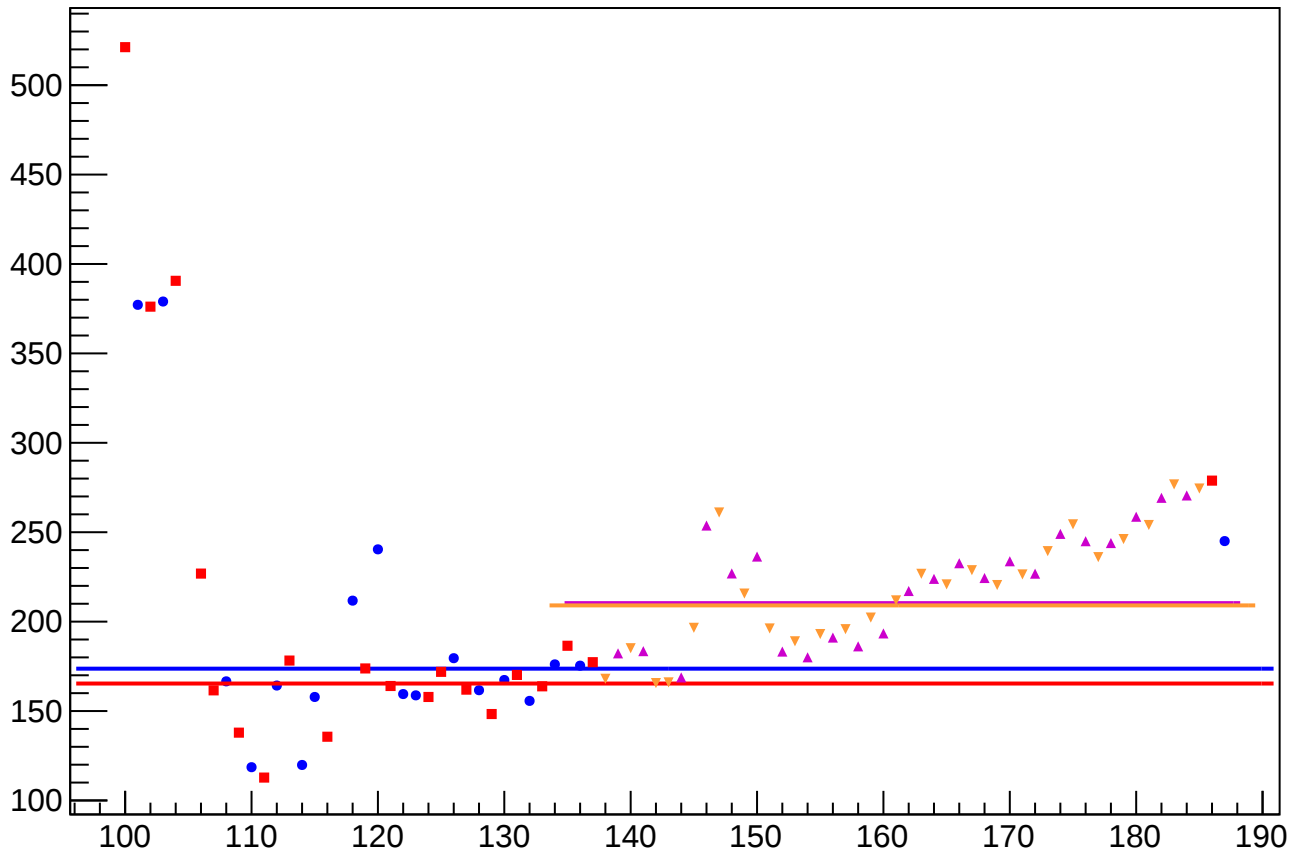
All: 187.949 $\pm$ 0.020 χ^2 /NDF: 5246026.9/85

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152380.252 $\pm$ 0.072	χ^2 /NDF: 1394284120.3/17	Left: 151425.512 $\pm$ 0.036	χ^2 /NDF: 2906409079.9/4
Left Out: 151483.385 $\pm$ 0.050	χ^2 /NDF: 1481910066.9/24	Right: 152390.283 $\pm$ 0.048	χ^2 /NDF: 4471481379.3/4
Right Out: 152398.637 $\pm$ 0.066	χ^2 /NDF: 3077161503.7/19	In: 151707.656 $\pm$ 0.042	χ^2 /NDF: 2948561222.1/40
Left In: 151363.165 $\pm$ 0.051	χ^2 /NDF: 1421662089.0/22	Out: 151816.013 $\pm$ 0.040	χ^2 /NDF: 4683206983.5/4
		All: 151764.881 $\pm$ 0.029	χ^2 /NDF: 763531710

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 173.697 $\pm$ 0.051 χ^2 /NDF: 970378.1/17

Left Out: 209.076 $\pm$ 0.035 χ^2 /NDF: 708260.3/24

Right Out: 165.384 $\pm$ 0.046 χ^2 /NDF: 1160671.2/19

Left In: 210.345 $\pm$ 0.036 χ^2 /NDF: 677747.7/22

Left: 209.687 $\pm$ 0.025 χ^2 /NDF: 1386640.1/47

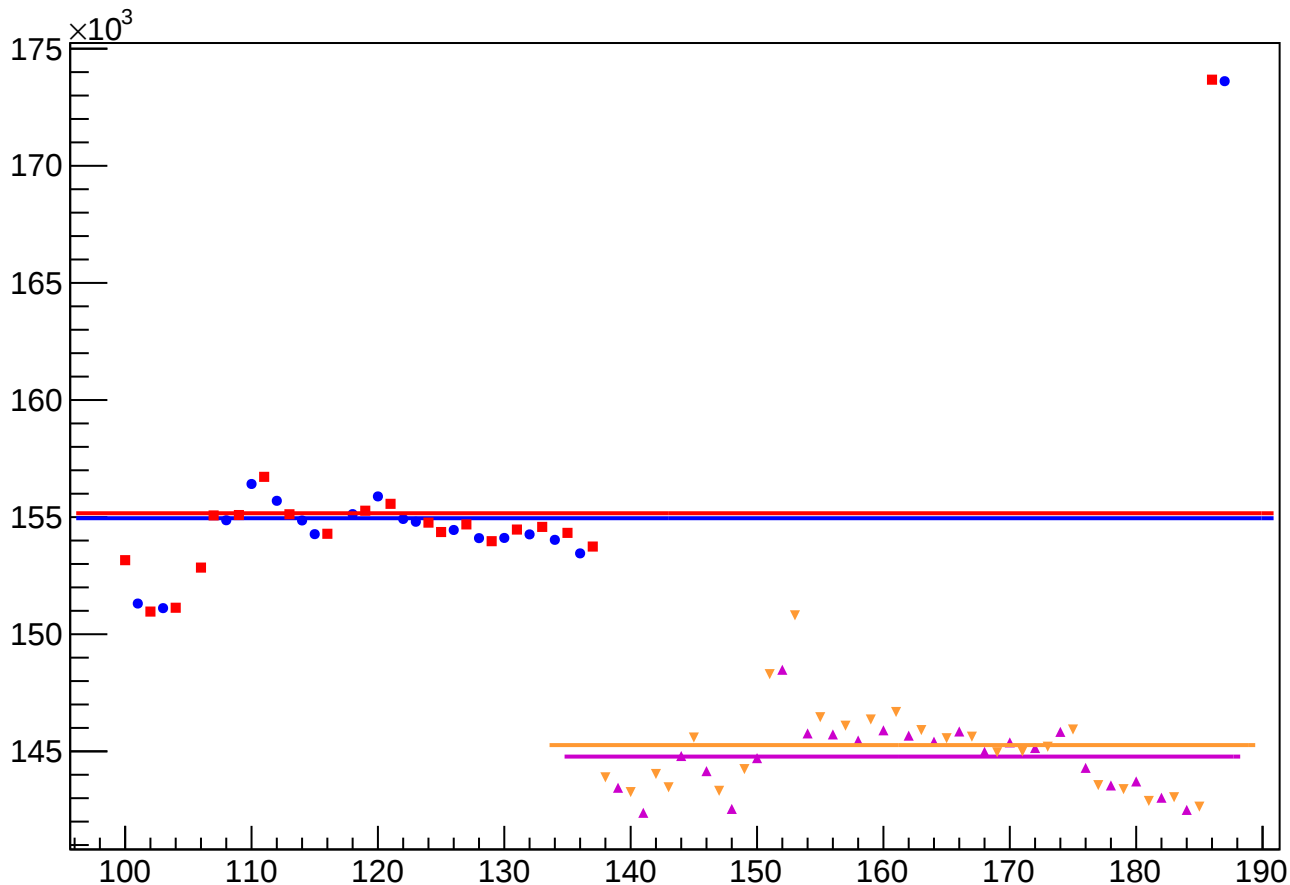
Right: 169.161 $\pm$ 0.034 χ^2 /NDF: 2145667.2/37

In: 197.932 $\pm$ 0.030 χ^2 /NDF: 1992482.6/40

Out: 193.197 $\pm$ 0.028 χ^2 /NDF: 2434707.3/44

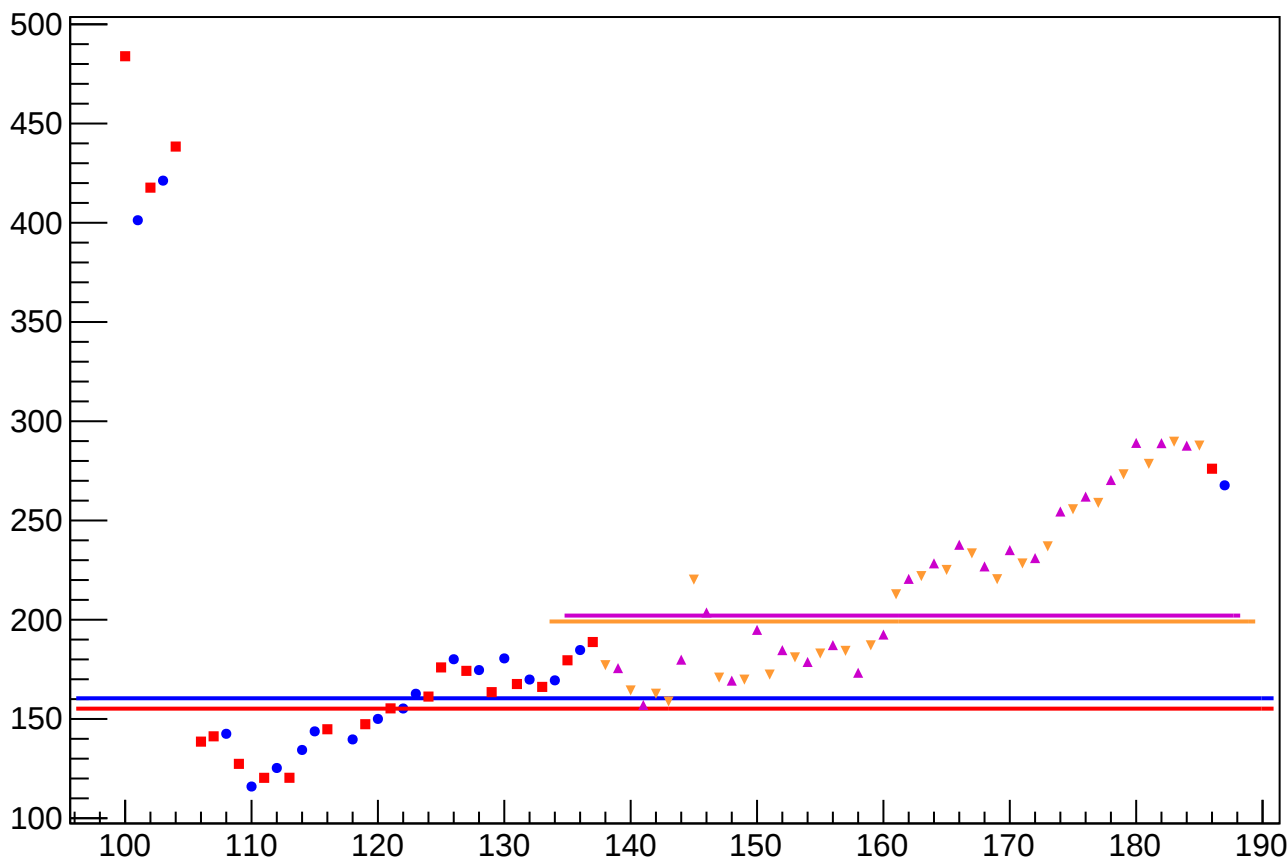
All: 195.431 $\pm$ 0.020 χ^2 /NDF: 4440742.6/85

yield_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 154953.012 $\pm$ 0.065	χ^2 /NDF: 1003515564.5/17	Left: 145032.324 $\pm$ 0.034	χ^2 /NDF: 2687033506.0/17
Left Out: 145266.717 $\pm$ 0.047	χ^2 /NDF: 1717707352.7/24	Right: 155067.359 $\pm$ 0.044	χ^2 /NDF: 3046354622.0/24
Right Out: 155165.366 $\pm$ 0.060	χ^2 /NDF: 2037123651.3/19	In: 148504.227 $\pm$ 0.039	χ^2 /NDF: 17369252683.5/19
Left In: 144776.016 $\pm$ 0.050	χ^2 /NDF: 918120275.4/22	Out: 149043.150 $\pm$ 0.037	χ^2 /NDF: 20397256842.1/22
		All: 148788.980 $\pm$ 0.027	χ^2 /NDF: 378651099.0/22

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 160.426 $\pm$ 0.046 χ^2 /NDF: 1180453.4/17

Left Out: 199.118 $\pm$ 0.034 χ^2 /NDF:1152231.0/24

Right Out: 155.201 $\pm$ 0.043 χ^2 /NDF: 1318465.4/19

Left In: 202.090 $\pm$ 0.035 χ^2 /NDF:1057833.2/22

Left: 200.538 $\pm$ 0.024 χ^2 /NDF: 2213821.5/47

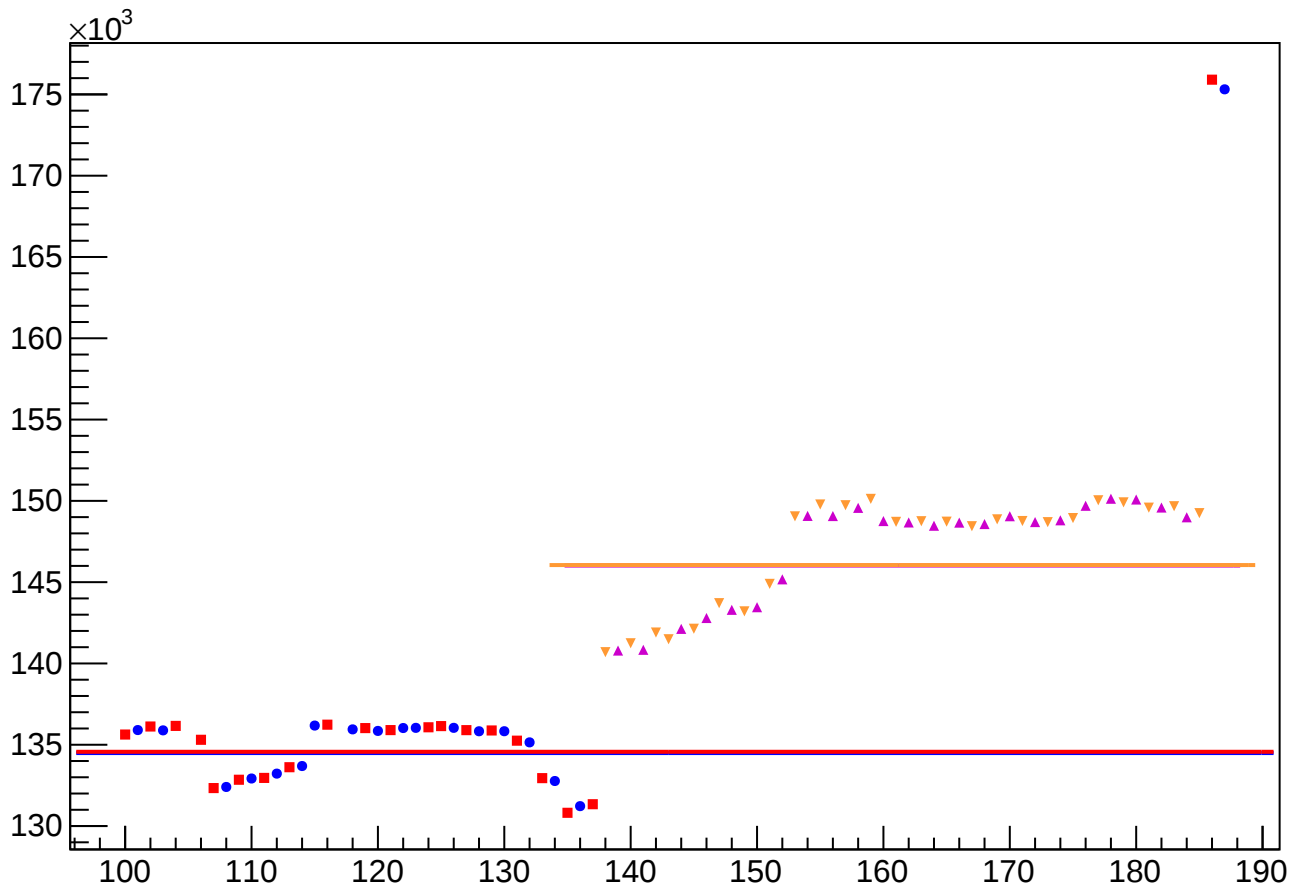
Right: 157.612 $\pm$ 0.031 χ^2 /NDF: 2505839.8/37

In: 186.827 $\pm$ 0.028 χ^2 /NDF:2756109.5/40

Out: 182.363 $\pm$ 0.026 χ^2 /NDF:3125887.2/44

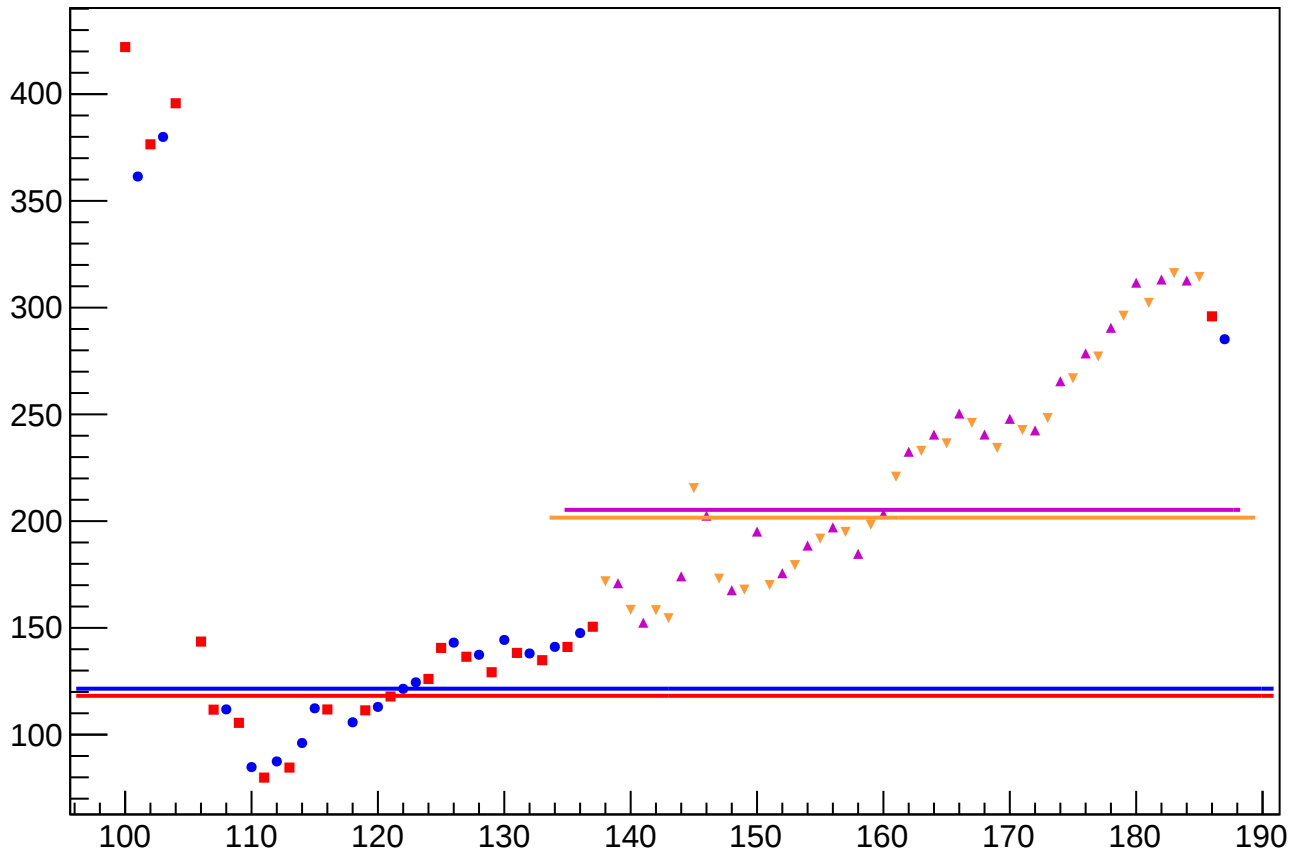
All: 184.468 $\pm$ 0.019 χ^2 /NDF: 5895526.4/85

yield_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 134488.933 $\pm$ 0.050	χ^2 /NDF: 4246589041.6/17	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: 134530.968 $\pm$ 0.034	χ^2 /NDF: 12951512271.3/4
Right Out: 134567.970 $\pm$ 0.047	χ^2 /NDF: 8703609029.6/19	In: 140211.840 $\pm$ 0.036	χ^2 /NDF: 34941900933.7/4
Left In: 146020.015 $\pm$ 0.051	χ^2 /NDF: 4591425371.4/22	Out: 140173.851 $\pm$ 0.034	χ^2 /NDF: 43036020564.4/4
		All: 140191.788 $\pm$ 0.025	χ^2 /NDF: 779785197.1/4

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 121.522 $\pm$ 0.036 χ^2 /NDF: 1564882.6/17

Left Out: 201.632 $\pm$ 0.034 χ^2 /NDF:1589564.0/24

Right Out: 118.187 $\pm$ 0.033 χ^2 /NDF: 1812624.0/19

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

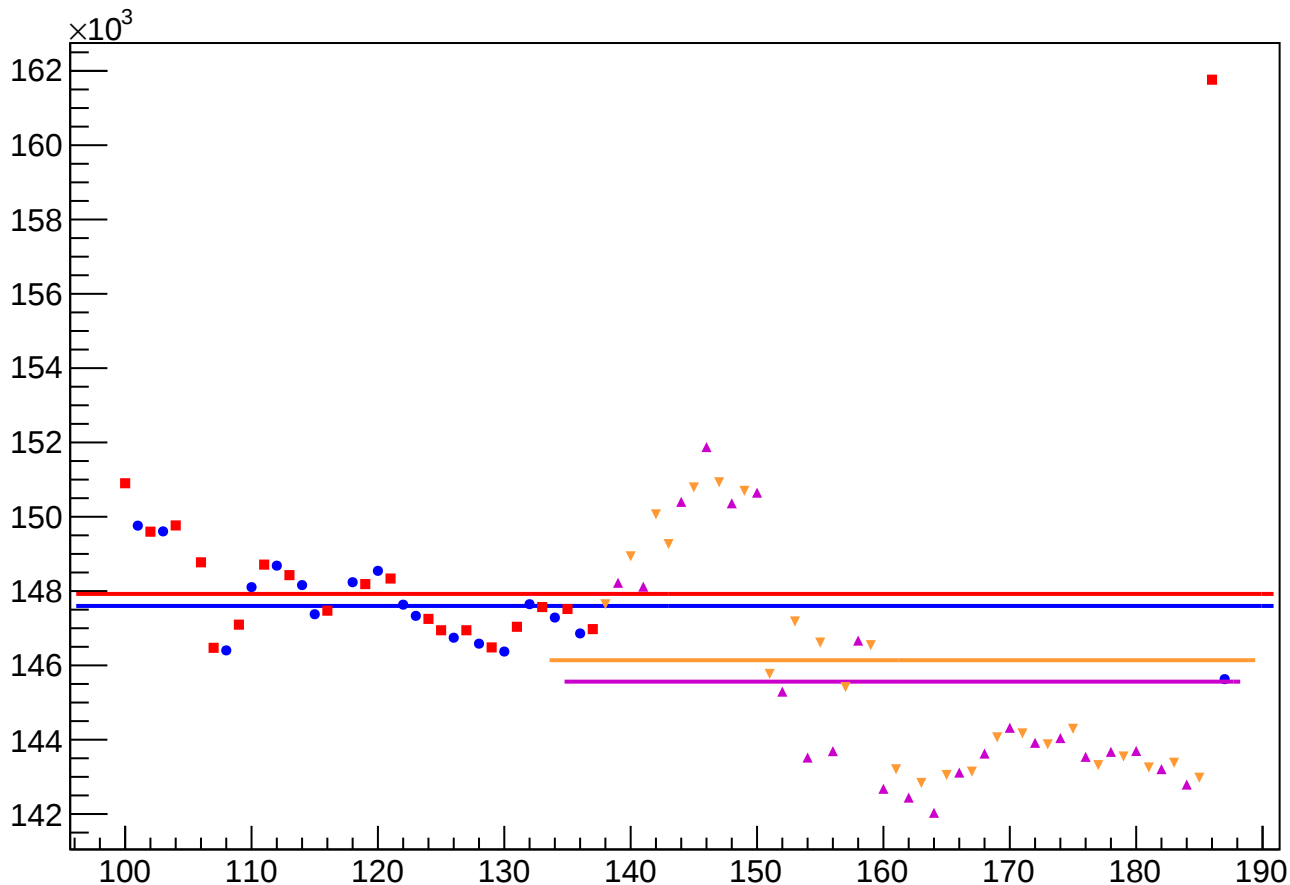
Right: 119.748 $\pm$ 0.024 χ^2 /NDF: 3382185.6/37

In: 163.094 $\pm$ 0.025 χ^2 /NDF:5745143.2/40

Out: 158.921 $\pm$ 0.024 χ^2 /NDF:6457068.9/44

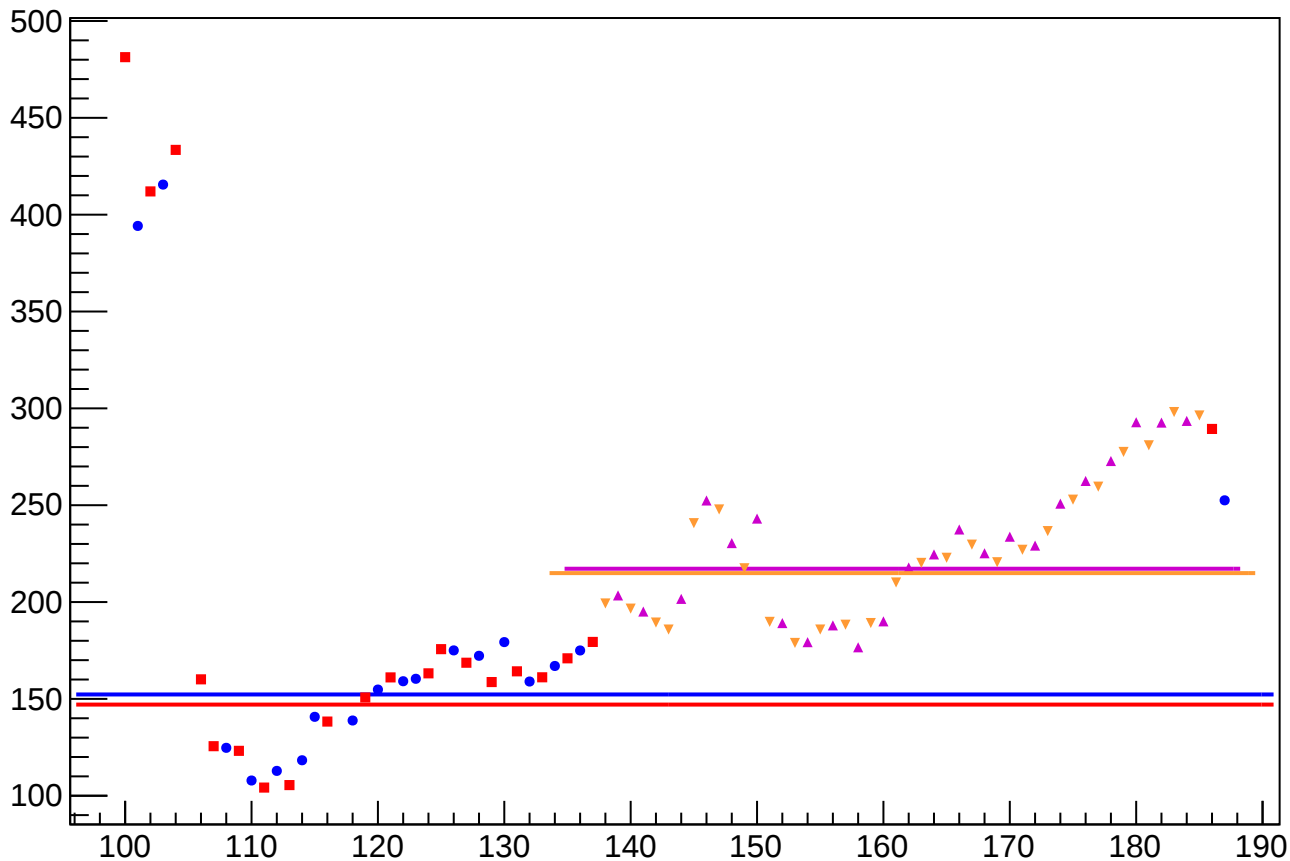
All: 160.891 $\pm$ 0.017 χ^2 /NDF: 12216650.9/83

yield_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 147600.024 $\pm$ 0.062	χ^2/NDF : 207831024.2/17	Left: 145862.850 $\pm$ 0.037	χ^2/NDF : 5815743509.5/4
Left Out: 146139.326 $\pm$ 0.051	χ^2/NDF : 2699546907.6/24	Right: 147773.644 $\pm$ 0.042	χ^2/NDF : 1306529160.6/4
Right Out: 147923.608 $\pm$ 0.058	χ^2/NDF : 1084222245.5/19	In: 146419.220 $\pm$ 0.040	χ^2/NDF : 3882429360.0/40
Left In: 145562.386 $\pm$ 0.053	χ^2/NDF : 3054641996.0/22	Out: 146917.267 $\pm$ 0.038	χ^2/NDF : 4319418713.9/4
		All: 146681.963 $\pm$ 0.028	χ^2/NDF : 828203187.0/100

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 152.289 $\pm$ 0.044 χ^2 /NDF: 1307665.0/17

Left Out: 214.945 $\pm$ 0.036 χ^2 /NDF: 728515.5/24

Right Out: 147.063 $\pm$ 0.041 χ^2 /NDF: 1557504.1/19

Left In: 217.203 $\pm$ 0.038 χ^2 /NDF: 764798.3/22

Left: 216.027 $\pm$ 0.026 χ^2 /NDF: 1495200.1/47

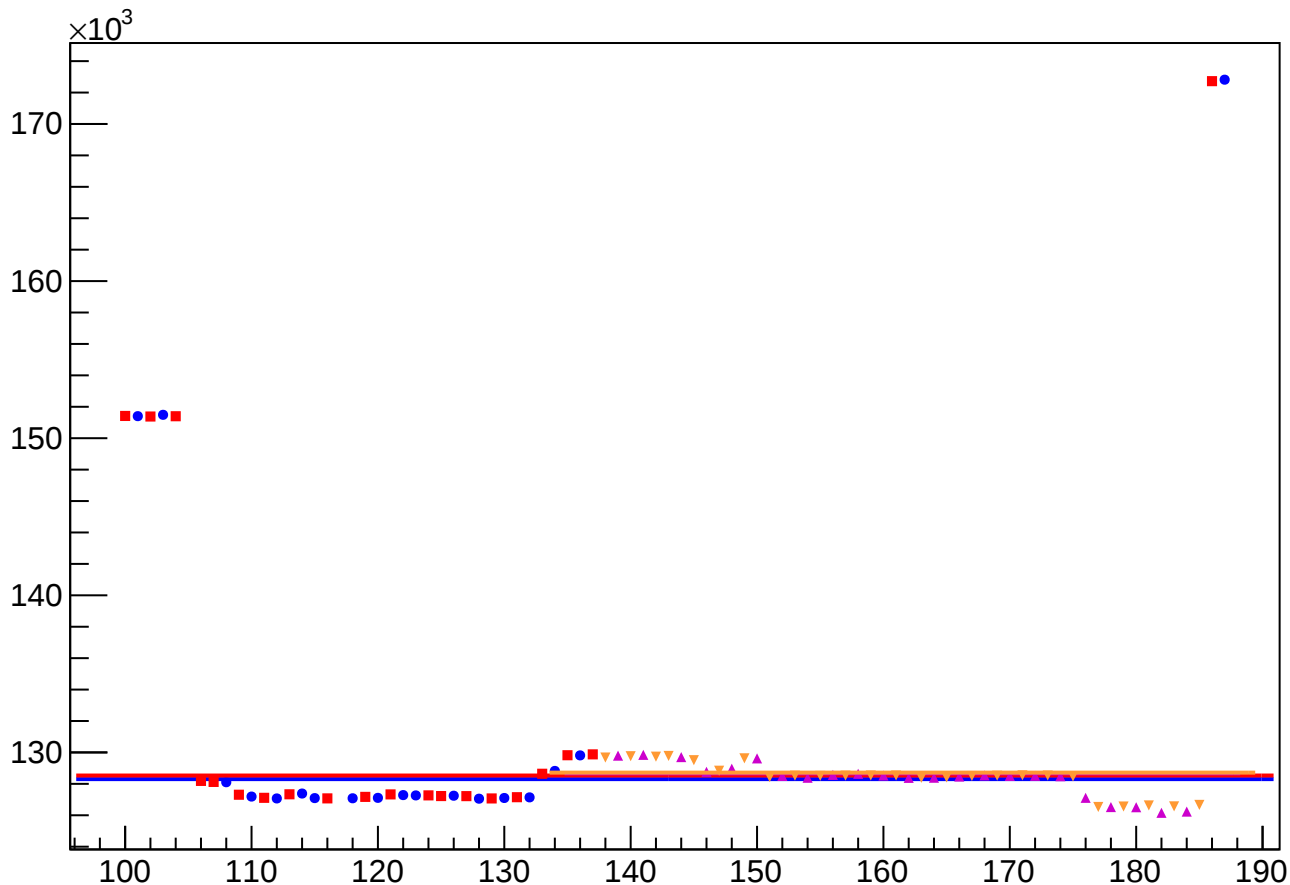
Right: 149.485 $\pm$ 0.030 χ^2 /NDF: 2872722.6/37

In: 189.907 $\pm$ 0.029 χ^2 /NDF: 3330846.4/40

Out: 185.349 $\pm$ 0.027 χ^2 /NDF: 3836604.8/44

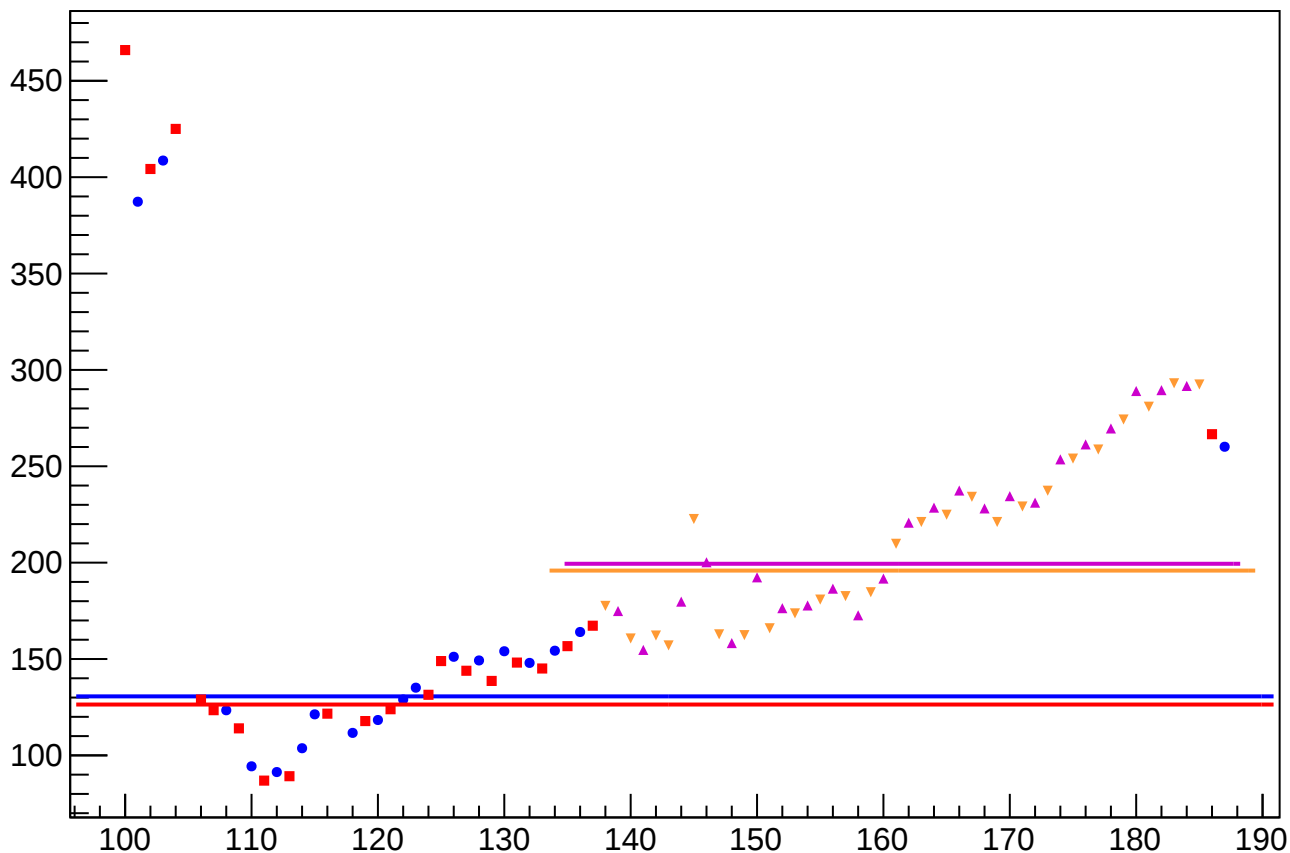
All: 187.502 $\pm$ 0.020 χ^2 /NDF: 7180884.0/85

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128301.264+/-0.054	χ^2/NDF : 8761051550.8/17	Left: 128691.898+/-0.034	χ^2/NDF : 681729975.4/47
Left Out: 128714.507+/-0.047	χ^2/NDF : 348178101.1/24	Right: 128424.290+/-0.037	χ^2/NDF : 23112053928.4
Right Out: 128529.843+/-0.050	χ^2/NDF : 14341372109.8/19	In: 128502.006+/-0.036	χ^2/NDF : 9119254597.5/40
Left In: 128667.013+/-0.049	χ^2/NDF : 333059477.6/22	Out: 128628.572+/-0.034	χ^2/NDF : 14696827206.0
		All: 128569.149+/-0.025	χ^2/NDF : 238225325

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 130.617 $\pm$ 0.038 χ^2/NDF : 1558933.5/17

Left Out: 195.883 $\pm$ 0.033 χ^2/NDF :1313361.5/24

Right Out: 126.380 $\pm$ 0.035 χ^2/NDF : 1739305.5/19

Left In: 199.413 $\pm$ 0.035 χ^2/NDF :1165698.7/22

Left: 197.564 $\pm$ 0.024 χ^2/NDF : 2484502.8/47

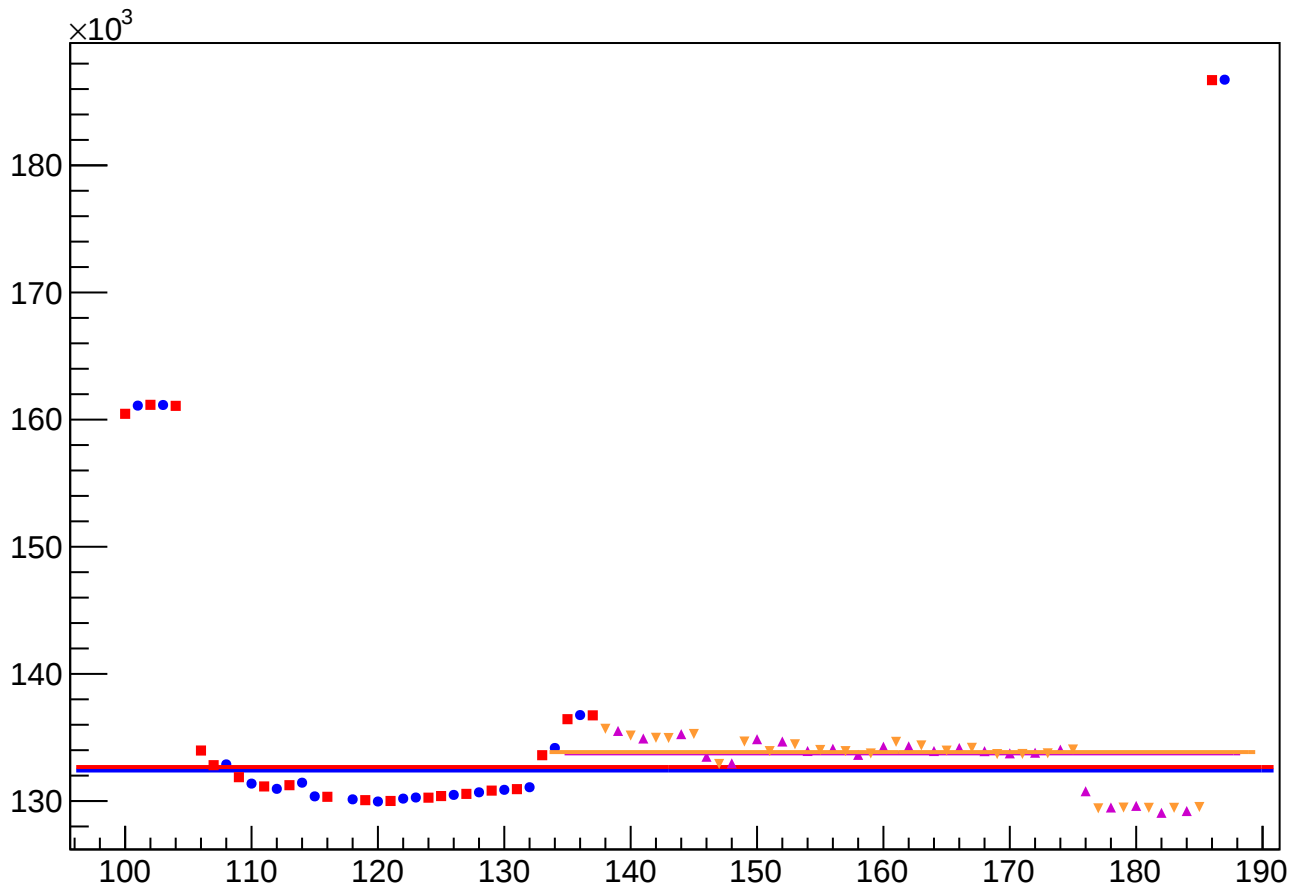
Right: 128.336 $\pm$ 0.026 χ^2/NDF : 3304856.3/37

In: 168.376 $\pm$ 0.026 χ^2/NDF :4503848.5/40

Out: 163.539 $\pm$ 0.024 χ^2/NDF :5114374.2/44

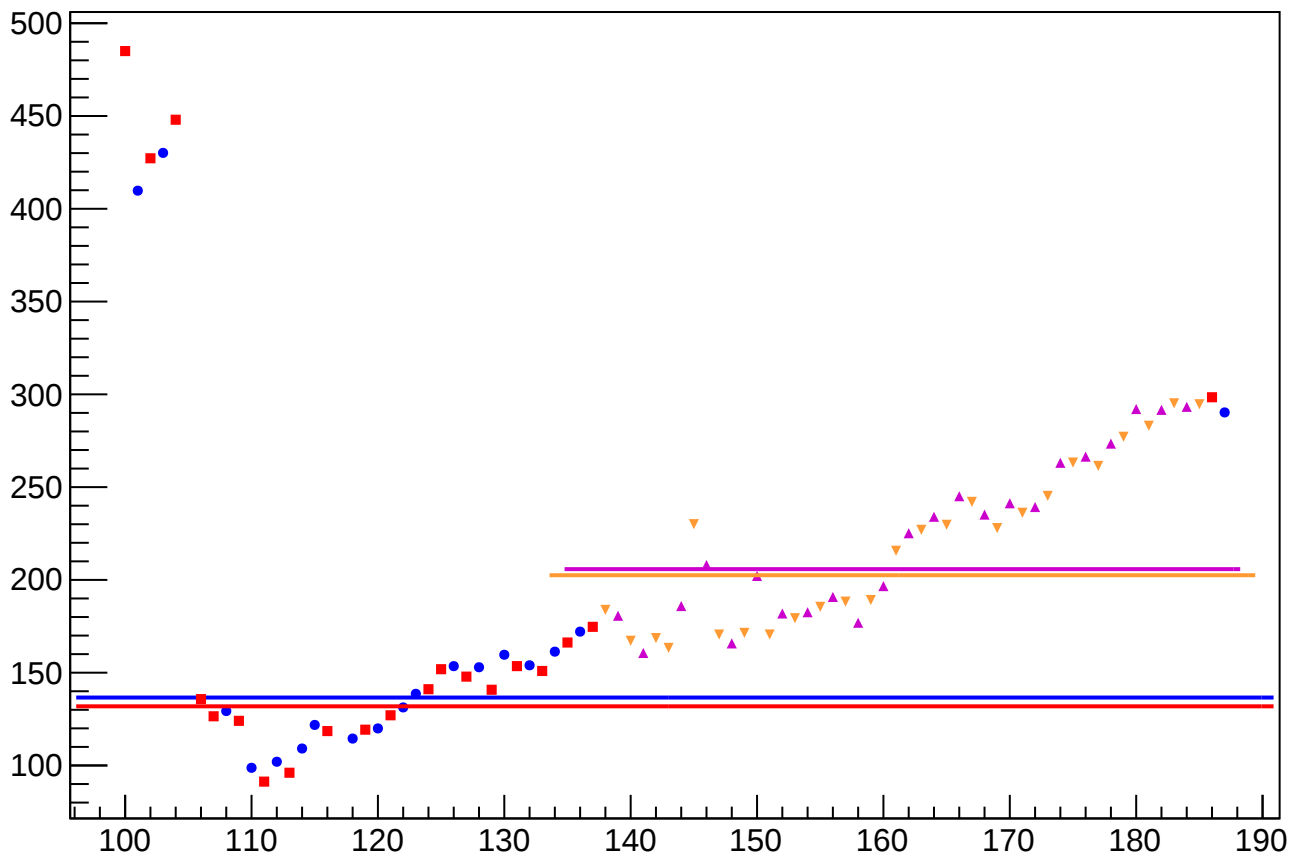
All: 165.810 $\pm$ 0.018 χ^2/NDF : 9637065.6/85

yield_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 132401.703 $\pm$ 0.056	χ^2/NDF : 12044446837.5/17	Left: 133802.452 $\pm$ 0.035	χ^2/NDF : 2036267179.3/4
Left Out: 133850.586 $\pm$ 0.048	χ^2/NDF : 1080107831.1/24	Right: 132548.669 $\pm$ 0.038	χ^2/NDF : 30542503364.1/4
Right Out: 132674.496 $\pm$ 0.052	χ^2/NDF : 18485474706.3/19	In: 133150.221 $\pm$ 0.038	χ^2/NDF : 13315153066.1/4
Left In: 133749.630 $\pm$ 0.051	χ^2/NDF : 954069486.7/22	Out: 133309.421 $\pm$ 0.035	χ^2/NDF : 19839298895.9/4
		All: 133234.637 $\pm$ 0.026	χ^2/NDF : 331639363.1/4

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 136.611 $\pm$ 0.040 χ^2 /NDF: 1527520.5/17

Left Out: 202.527 $\pm$ 0.034 χ^2 /NDF:1211991.5/24

Right Out: 131.874 $\pm$ 0.037 χ^2 /NDF: 1738329.1/19

Left In: 205.808 $\pm$ 0.036 χ^2 /NDF:1094330.7/22

Left: 204.091 $\pm$ 0.025 χ^2 /NDF: 2310735.8/47

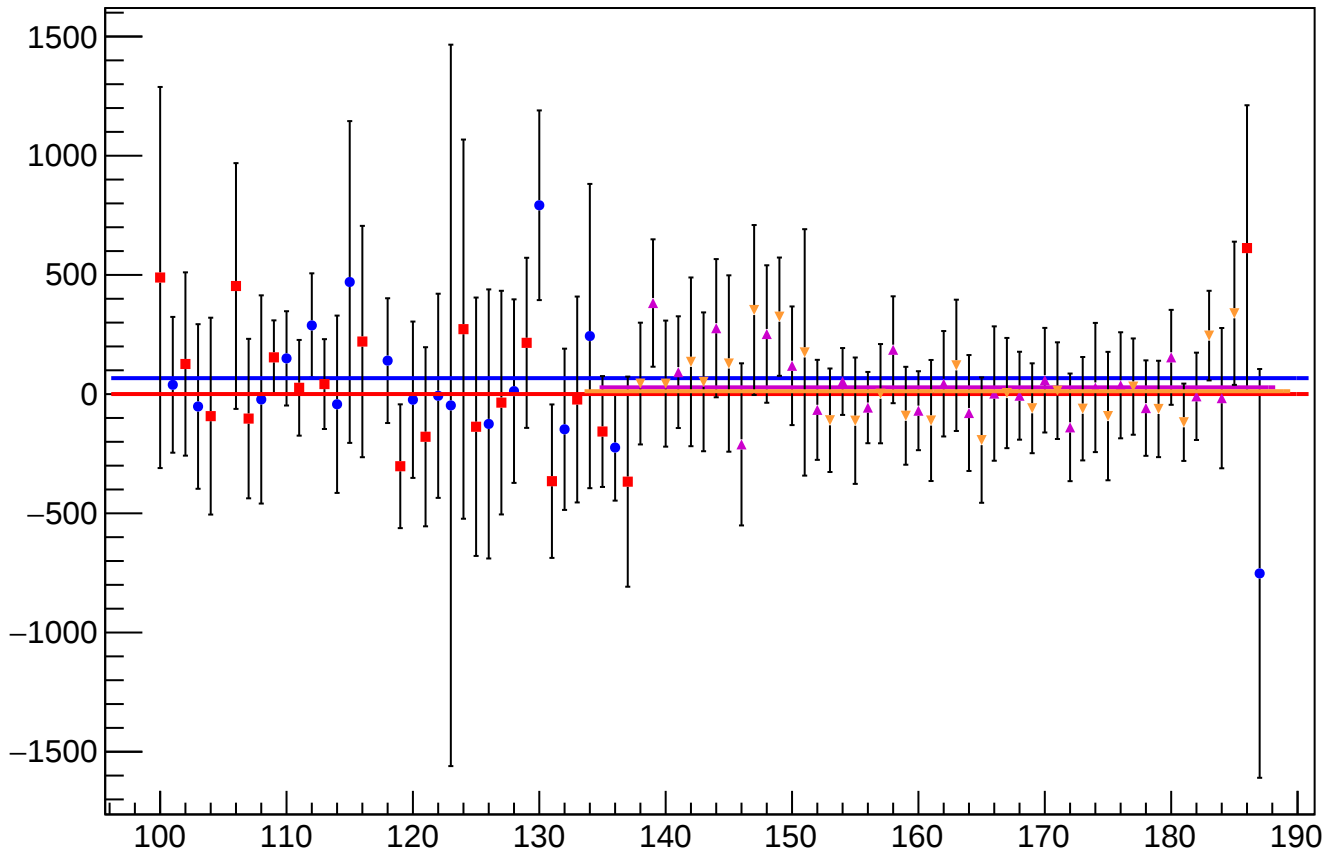
Right: 134.059 $\pm$ 0.027 χ^2 /NDF: 3273438.0/37

In: 175.037 $\pm$ 0.027 χ^2 /NDF:4290740.5/40

Out: 170.017 $\pm$ 0.025 χ^2 /NDF:4925982.7/44

All: 172.375 $\pm$ 0.018 χ^2 /NDF: 9235583.0/85

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 67.041+/-78.896 χ^2/NDF : 8.6/17

Left Out: 12.180+/-47.531 χ^2/NDF :8.6/24

Right Out: 0.333+/-69.605 χ^2/NDF : 8.3/19

Left In: 28.452+/-44.688 χ^2/NDF :6.7/22

Left: 20.817+/-32.558 χ^2/NDF : 15.3/47

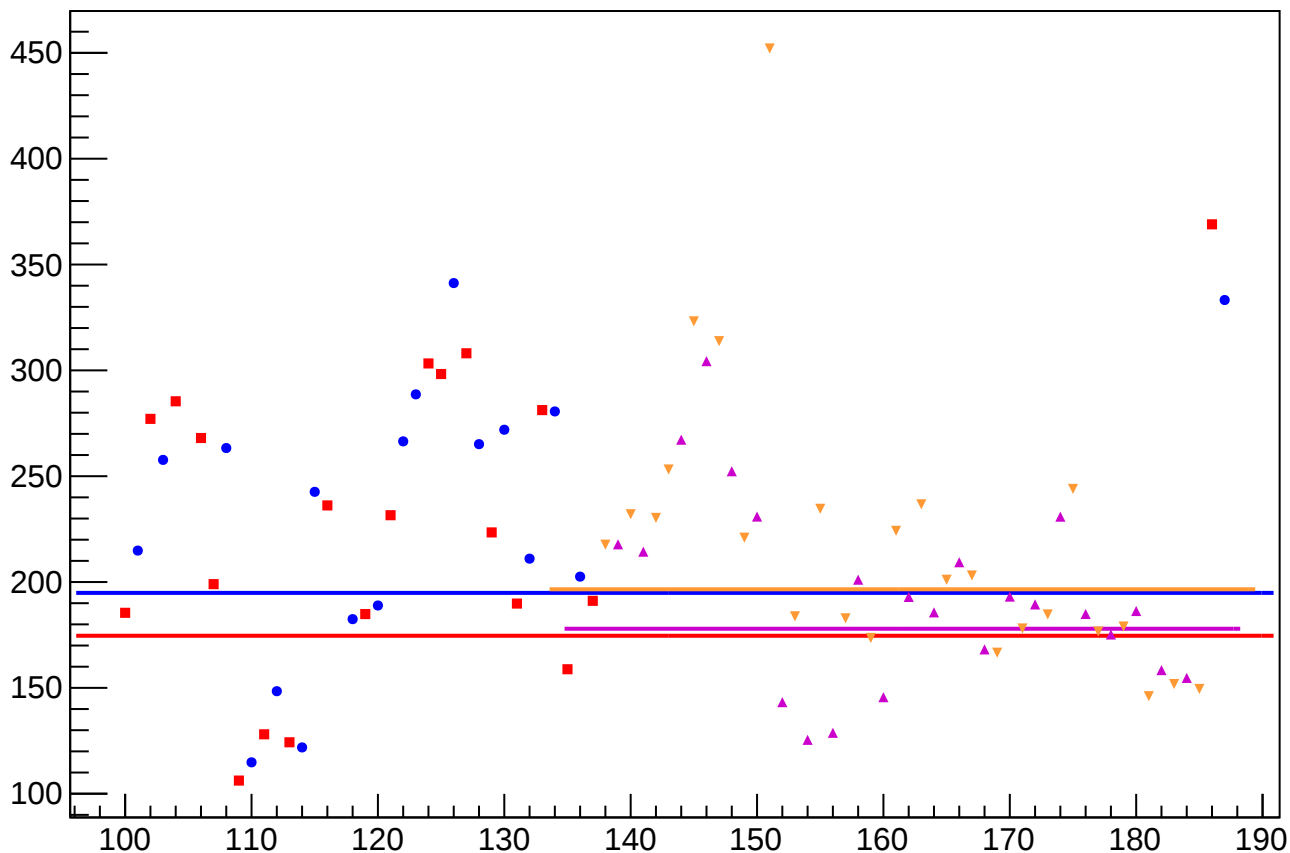
Right: 29.530+/-52.196 χ^2/NDF : 17.3/37

In: 37.825+/-38.884 χ^2/NDF :15.4/40

Out: 8.413+/-39.252 χ^2/NDF :16.9/44

All: 23.257+/-27.624 χ^2/NDF : 32.6/85

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 194.877 $\pm$ 0.056 χ^2 /NDF: 1070573.5/17

Left Out: 196.576 $\pm$ 0.034 χ^2 /NDF: 1778719.0/24

Right Out: 174.623 $\pm$ 0.049 χ^2 /NDF: 1787822.7/19

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

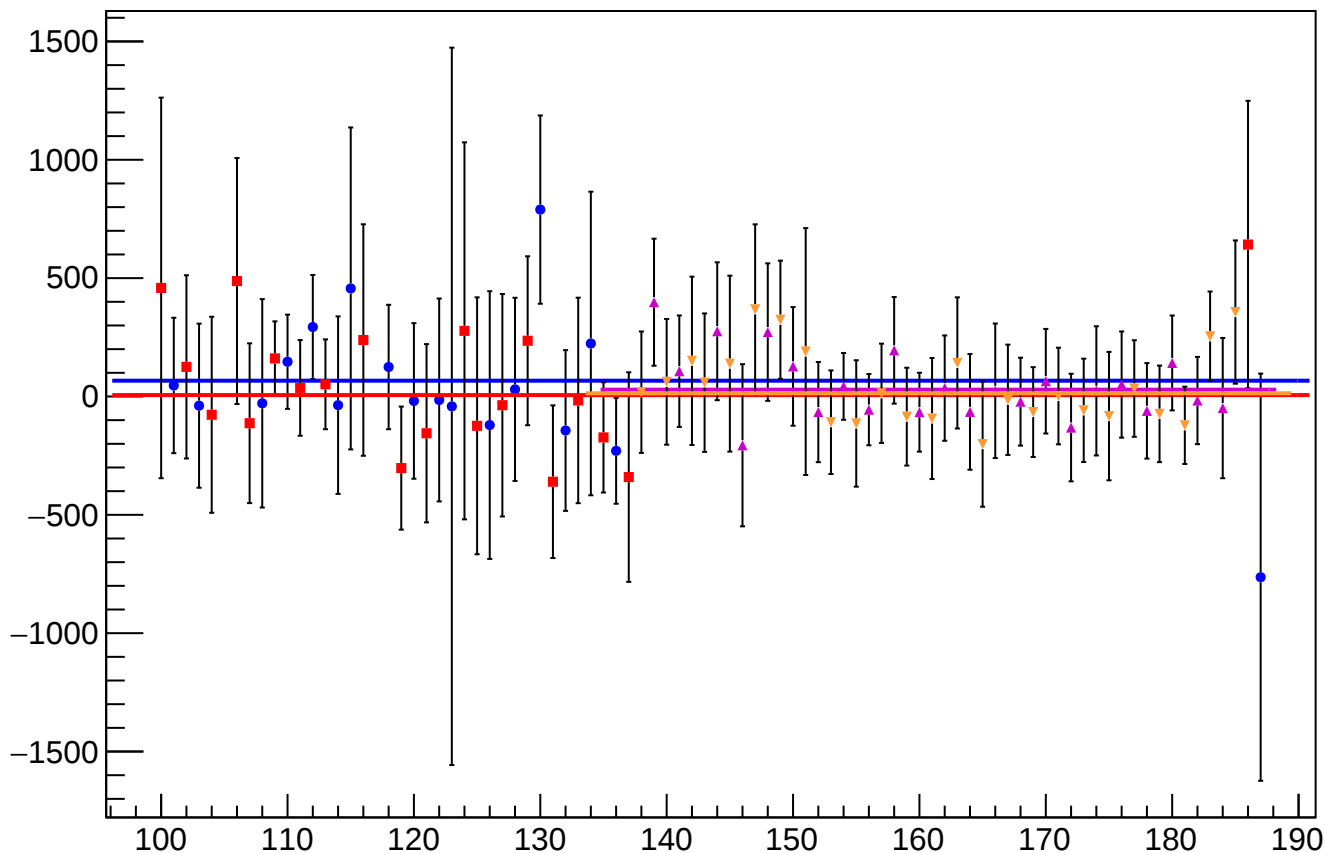
Right: 183.488 $\pm$ 0.037 χ^2 /NDF: 2932513.7/37

In: 182.049 $\pm$ 0.027 χ^2 /NDF: 2746193.8/40

Out: 189.595 $\pm$ 0.028 χ^2 /NDF: 3702222.4/44

All: 185.786 $\pm$ 0.020 χ^2 /NDF: 6485724.3/85

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 66.709 $\pm$ 79.281 χ^2 /NDF: 8.5/17

Left Out: 13.395 $\pm$ 47.862 χ^2 /NDF:9.0/24

Right Out: 5.845 $\pm$ 69.980 χ^2 /NDF: 8.5/19

Left In: 28.806 $\pm$ 44.980 χ^2 /NDF:6.8/22

Left: 21.578 $\pm$ 32.777 χ^2 /NDF: 15.9/47

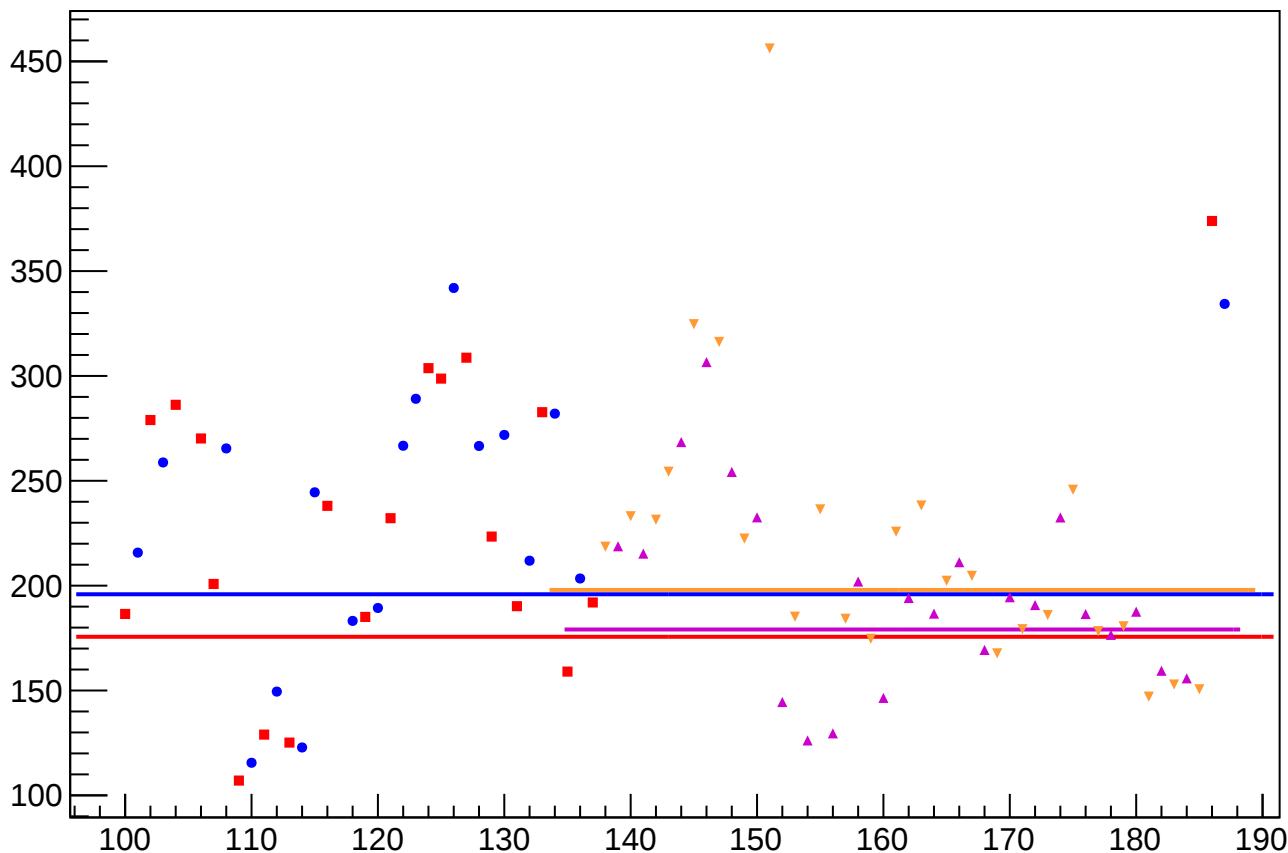
Right: 32.499 $\pm$ 52.465 χ^2 /NDF: 17.3/37

In: 38.035 $\pm$ 39.122 χ^2 /NDF:15.5/40

Out: 10.988 $\pm$ 39.506 χ^2 /NDF:17.5/44

All: 24.644 $\pm$ 27.798 χ^2 /NDF: 33.2/85

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 195.891 $\pm$ 0.056 χ^2/NDF : 1061866.0/17

Left Out: 197.953 $\pm$ 0.034 χ^2/NDF :1774524.3/24

Right Out: 175.623 $\pm$ 0.049 χ^2/NDF : 1778387.4/19

Left In: 179.090 $\pm$ 0.032 χ^2/NDF :1605113.3/22

Left: 187.936 $\pm$ 0.023 χ^2/NDF : 3544595.8/47

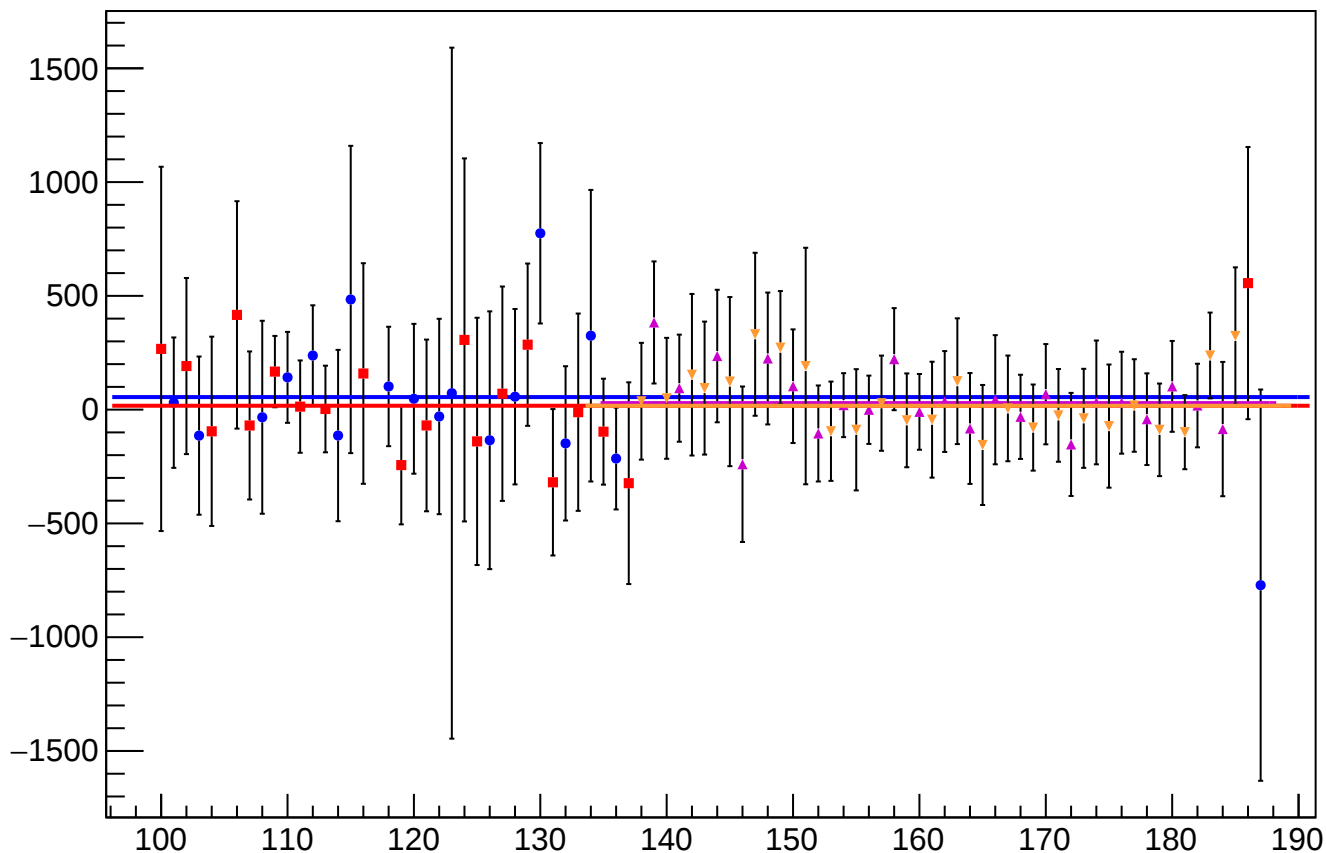
Right: 184.499 $\pm$ 0.037 χ^2/NDF : 2913716.8/37

In: 183.181 $\pm$ 0.028 χ^2/NDF :2734924.4/40

Out: 190.836 $\pm$ 0.028 χ^2/NDF :3691643.1/44

All: 186.971 $\pm$ 0.020 χ^2/NDF : 6464487.0/85

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 55.197 $\pm$ 79.277 χ^2 /NDF: 8.2/17

Left Out: 17.142 $\pm$ 47.738 χ^2 /NDF: 7.1/24

Right Out: 17.123 $\pm$ 69.890 χ^2 /NDF: 6.7/19

Left In: 28.655 $\pm$ 44.859 χ^2 /NDF: 6.1/22

Left: 23.256 $\pm$ 32.690 χ^2 /NDF: 13.2/47

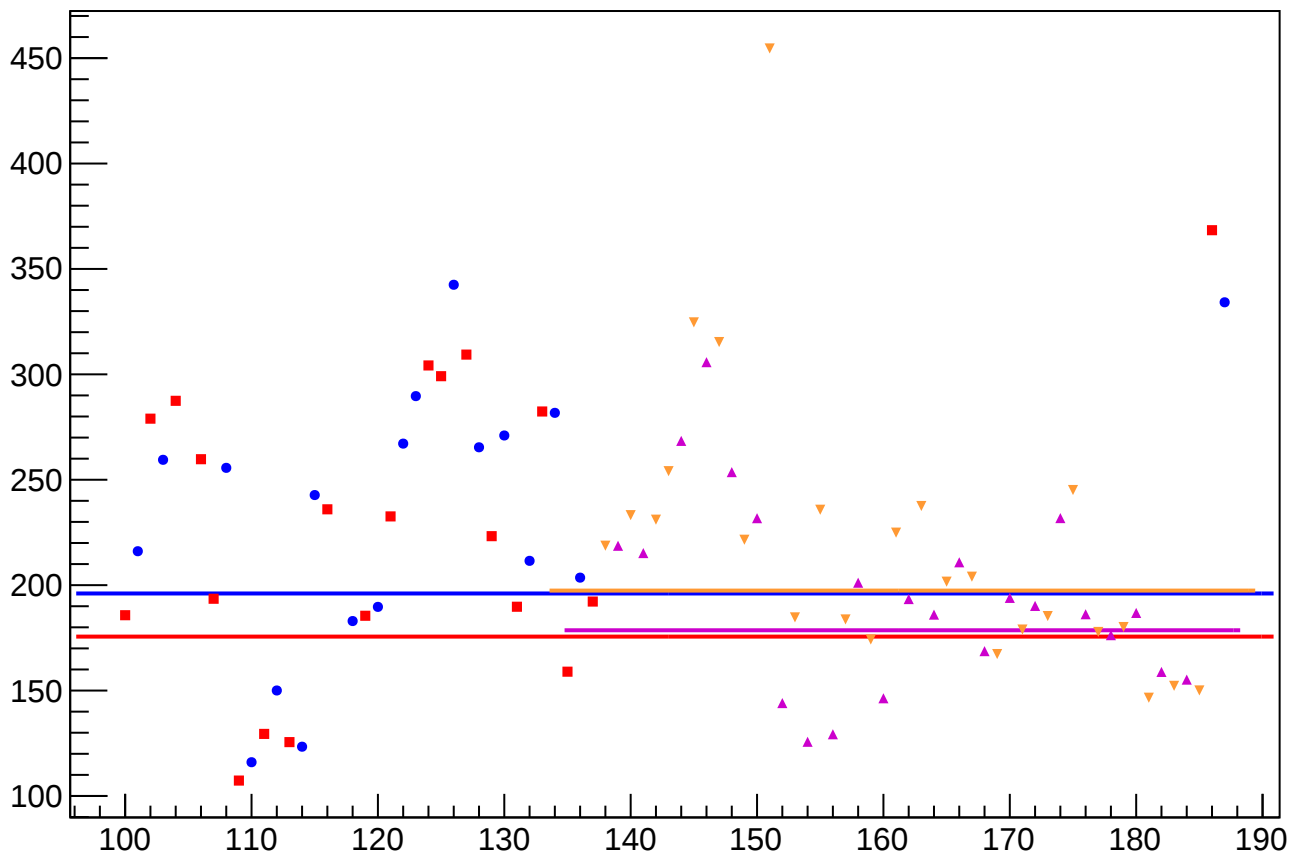
Right: 33.773 $\pm$ 52.426 χ^2 /NDF: 15.0/37

In: 35.093 $\pm$ 39.042 χ^2 /NDF: 14.4/40

Out: 17.136 $\pm$ 39.420 χ^2 /NDF: 13.8/44

All: 26.201 $\pm$ 27.739 χ^2 /NDF: 28.2/85

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 196.053 $\pm$ 0.056 χ^2 /NDF: 1039608.4/17

Left Out: 197.422 $\pm$ 0.034 χ^2 /NDF:1780261.9/24

Right Out: 175.597 $\pm$ 0.049 χ^2 /NDF: 1749789.5/19

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

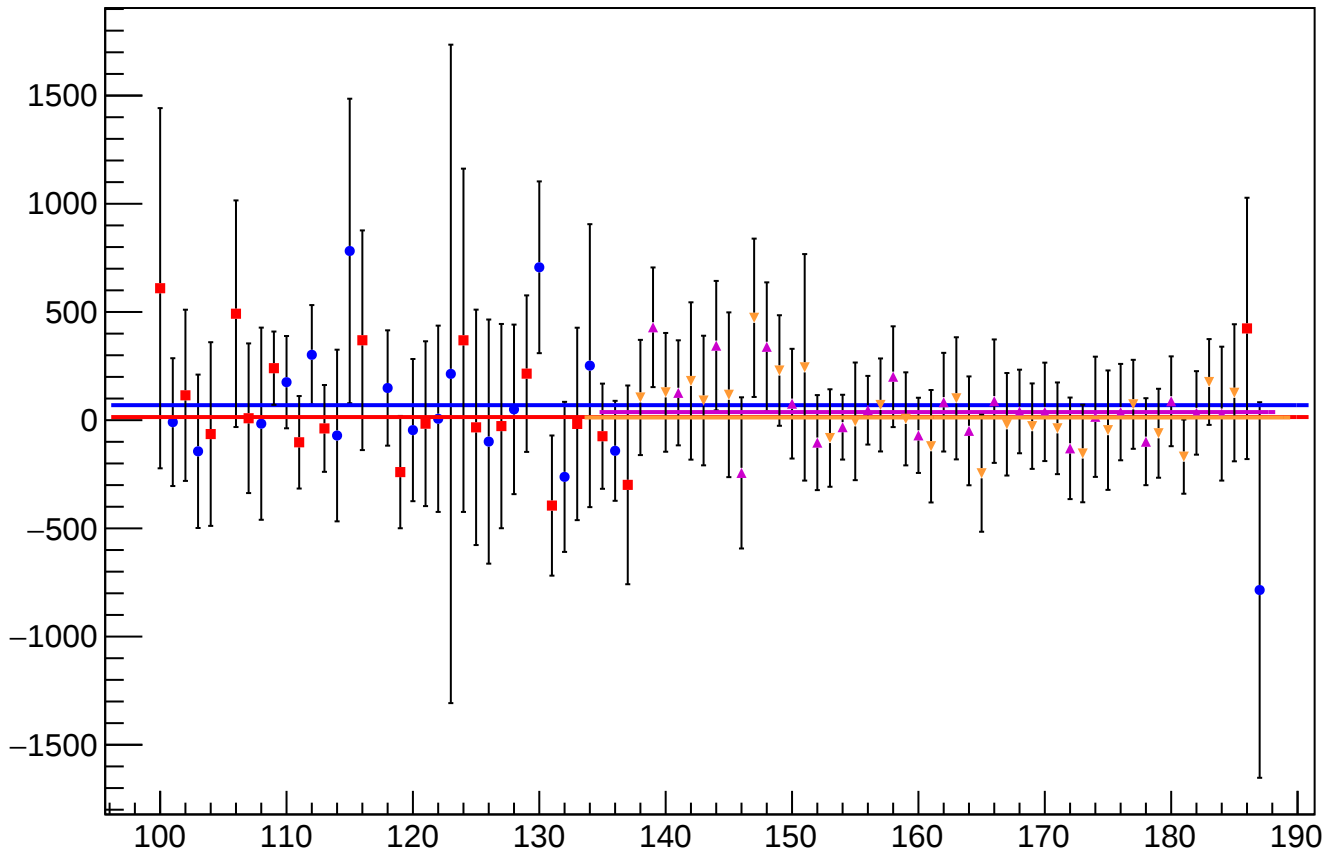
Right: 184.542 $\pm$ 0.037 χ^2 /NDF: 2864327.6/37

In: 182.834 $\pm$ 0.028 χ^2 /NDF:2722018.2/40

Out: 190.478 $\pm$ 0.028 χ^2 /NDF:3663042.5/44

All: 186.619 $\pm$ 0.020 χ^2 /NDF: 6423031.5/85

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 69.384 ± 81.733 $\chi^2/\text{NDF}: 8.6/17$

Left Out: 12.632 ± 49.242 $\chi^2/\text{NDF}: 7.5/24$

Right Out: 14.406 ± 72.791 $\chi^2/\text{NDF}: 8.2/19$

Left In: 37.460 ± 46.479 $\chi^2/\text{NDF}: 7.6/22$

Left: 25.762 ± 33.800 $\chi^2/\text{NDF}: 15.3/47$

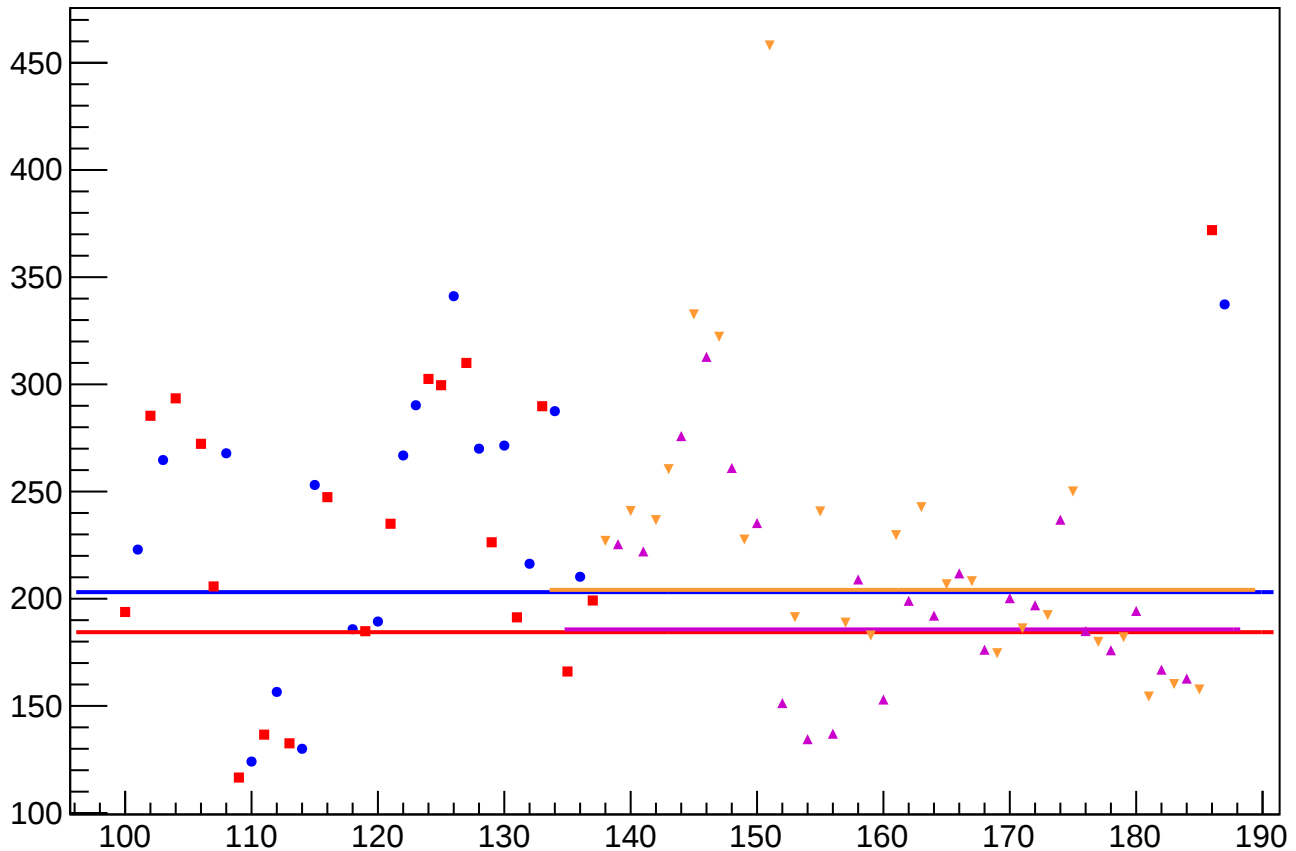
Right: 38.724 ± 54.359 $\chi^2/\text{NDF}: 17.1/37$

In: 45.261 ± 40.403 $\chi^2/\text{NDF}: 16.3/40$

Out: 13.189 ± 40.786 $\chi^2/\text{NDF}: 15.8/44$

All: 29.376 ± 28.704 $\chi^2/\text{NDF}: 32.4/85$

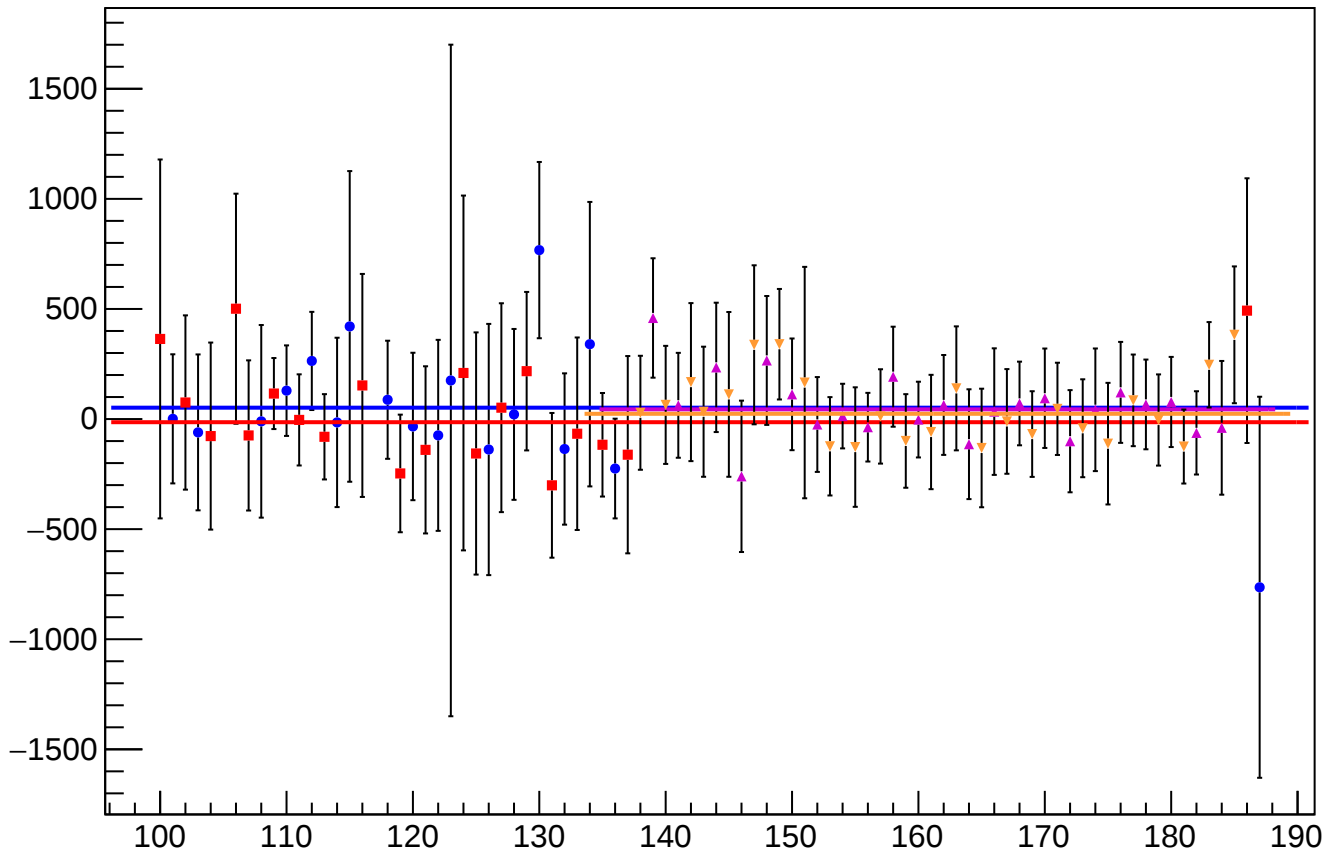
asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 203.074 ± 0.058 $\chi^2/NDF: 932688.9/17$
 Left Out: 204.132 ± 0.035 $\chi^2/NDF: 1672287.6/24$
 Right Out: 184.392 ± 0.051 $\chi^2/NDF: 1569198.0/19$
 Left In: 185.694 ± 0.033 $\chi^2/NDF: 1447767.0/22$

Left: 194.381 ± 0.024 $\chi^2/NDF: 3268347.9/47$
 Right: 192.656 ± 0.038 $\chi^2/NDF: 2560162.1/37$
 In: 189.941 ± 0.029 $\chi^2/NDF: 2448797.0/40$
 Out: 197.934 ± 0.029 $\chi^2/NDF: 3342392.3/44$
 All: 193.900 ± 0.020 $\chi^2/NDF: 5829963.0/85$

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 51.681 $\pm$ 80.683 χ^2 /NDF: 7.9/17

Left Out: 23.843 $\pm$ 48.783 χ^2 /NDF:8.5/24

Right Out: -14.314 $\pm$ 71.371 χ^2 /NDF: 5.4/19

Left In: 43.978 $\pm$ 45.981 χ^2 /NDF:6.5/22

Left: 34.506 $\pm$ 33.460 χ^2 /NDF: 15.1/47

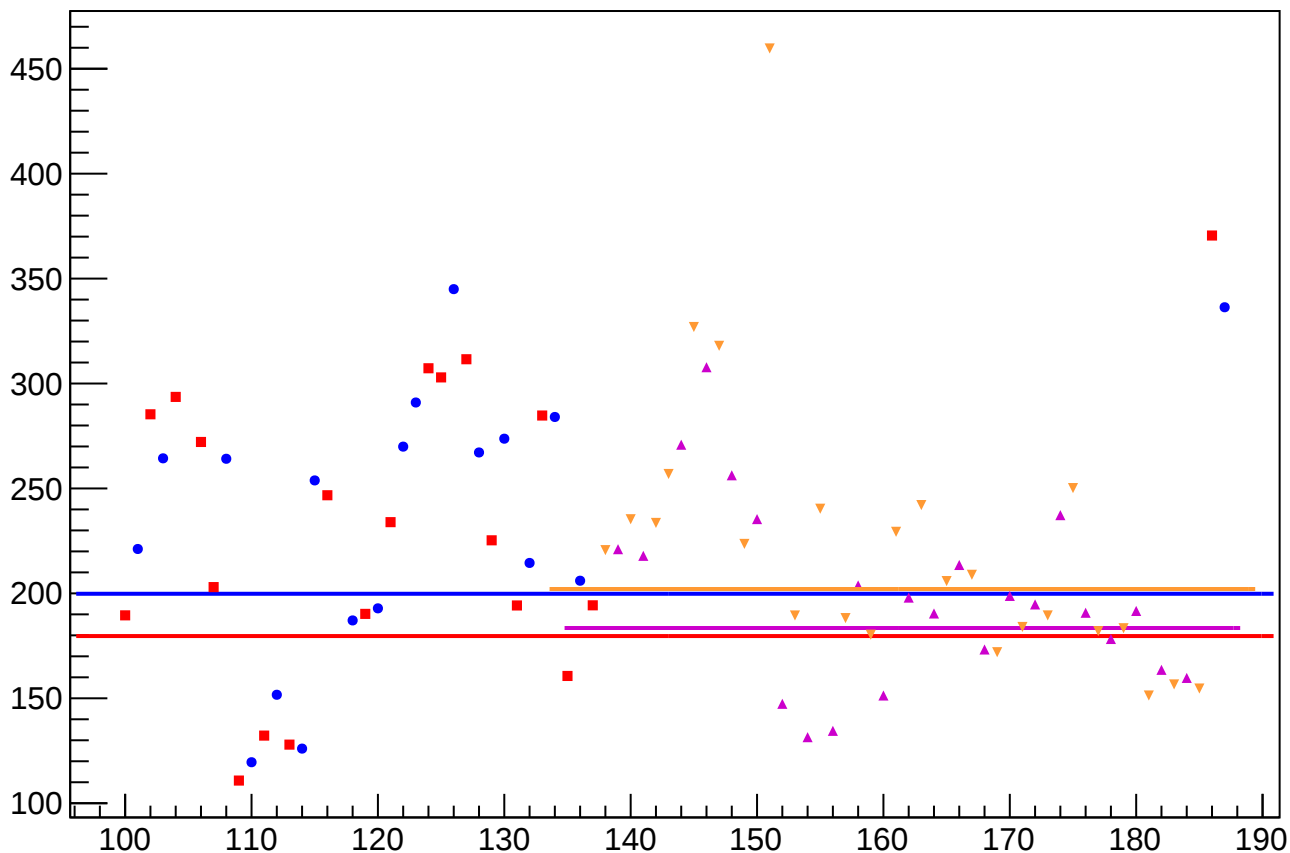
Right: 14.657 $\pm$ 53.458 χ^2 /NDF: 13.6/37

In: 45.867 $\pm$ 39.949 χ^2 /NDF:14.4/40

Out: 11.693 $\pm$ 40.274 χ^2 /NDF:14.1/44

All: 28.918 $\pm$ 28.362 χ^2 /NDF: 28.8/85

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 199.812 ± 0.057 χ^2/NDF : 1015305.1/17

Left Out: 202.081 ± 0.034 χ^2/NDF : 1692787.9/24

Right Out: 179.662 ± 0.050 χ^2/NDF : 1723930.9/19

Left In: 183.498 ± 0.033 χ^2/NDF : 1483383.4/22

Left: 192.240 ± 0.024 χ^2/NDF : 3329846.6/47

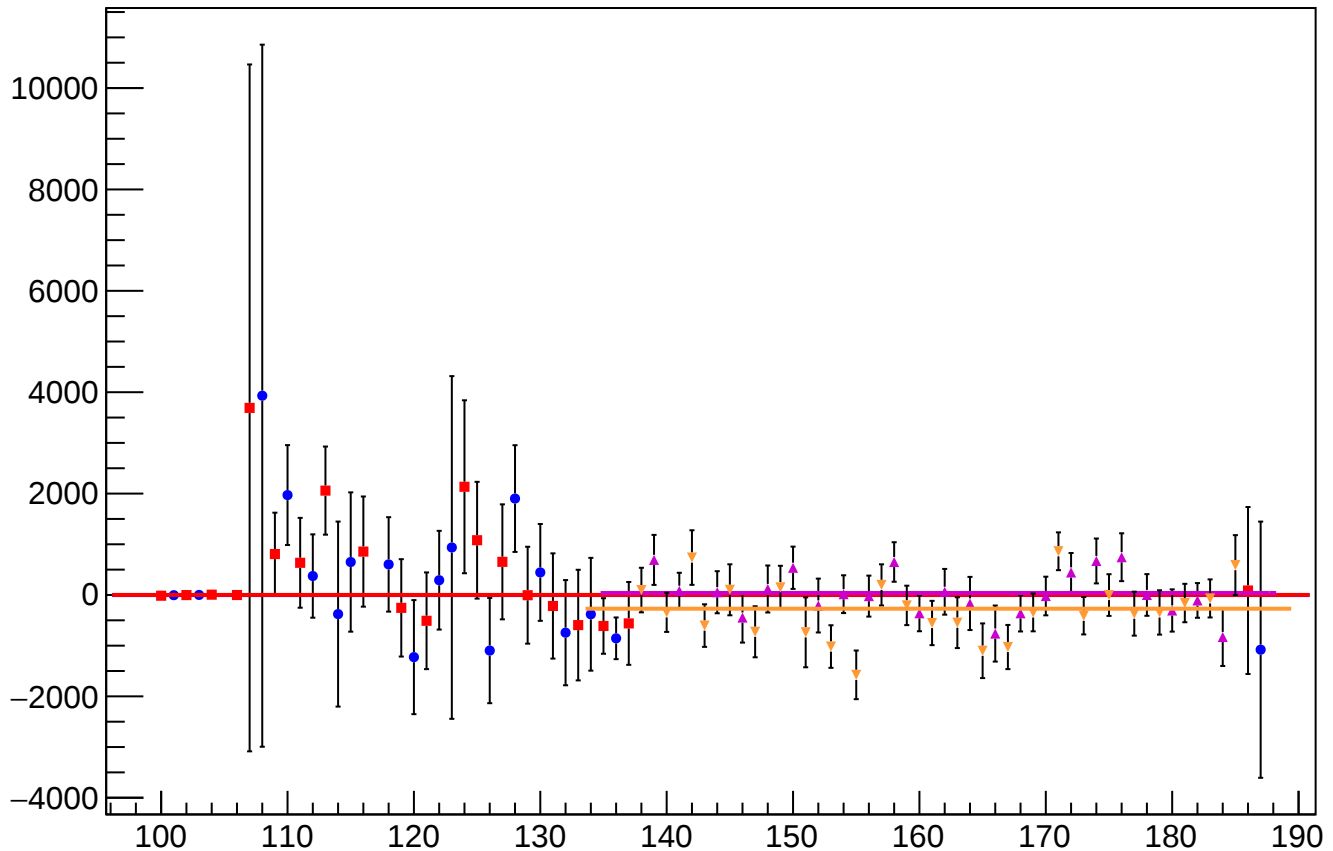
Right: 188.508 ± 0.038 χ^2/NDF : 2809219.9/37

In: 187.498 ± 0.028 χ^2/NDF : 2560411.4/40

Out: 194.942 ± 0.028 χ^2/NDF : 3551217.3/44

All: 191.190 ± 0.020 χ^2/NDF : 6146072.8/85

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.530 ± 2.251 χ^2/NDF : 17.6/17

Left Out: -270.969 ± 86.967 χ^2/NDF : 38.1/24

Right Out: 0.726 ± 2.111 χ^2/NDF : 19.1/19

Left In: 39.078 ± 87.769 χ^2/NDF : 20.3/22

Left: -117.369 ± 61.777 χ^2/NDF : 64.7/47

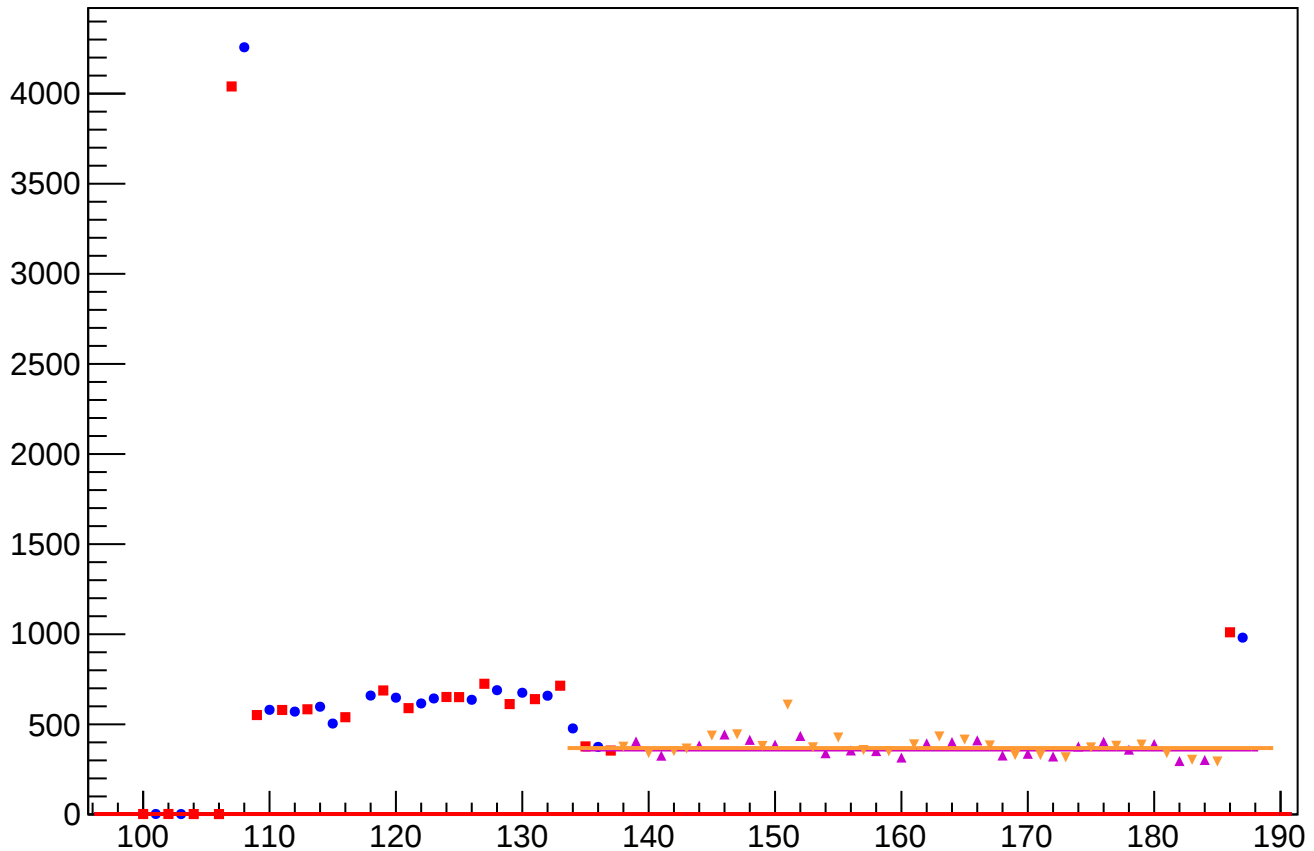
Right: -0.330 ± 1.540 χ^2/NDF : 37.3/37

In: -1.504 ± 2.251 χ^2/NDF : 38.1/40

Out: 0.566 ± 2.111 χ^2/NDF : 67.0/44

All: -0.402 ± 1.540 χ^2/NDF : 105.5/85

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.457+/-0.002 χ^2/NDF : 11108555.3/17

Left Out: 368.397+/-0.061 χ^2/NDF : 622466.1/24

Right Out: 2.438+/-0.001 χ^2/NDF : 11851162.3/19

Left In: 360.408+/-0.062 χ^2/NDF : 417739.4/22

Left: 364.439+/-0.044 χ^2/NDF : 1048566.0/47

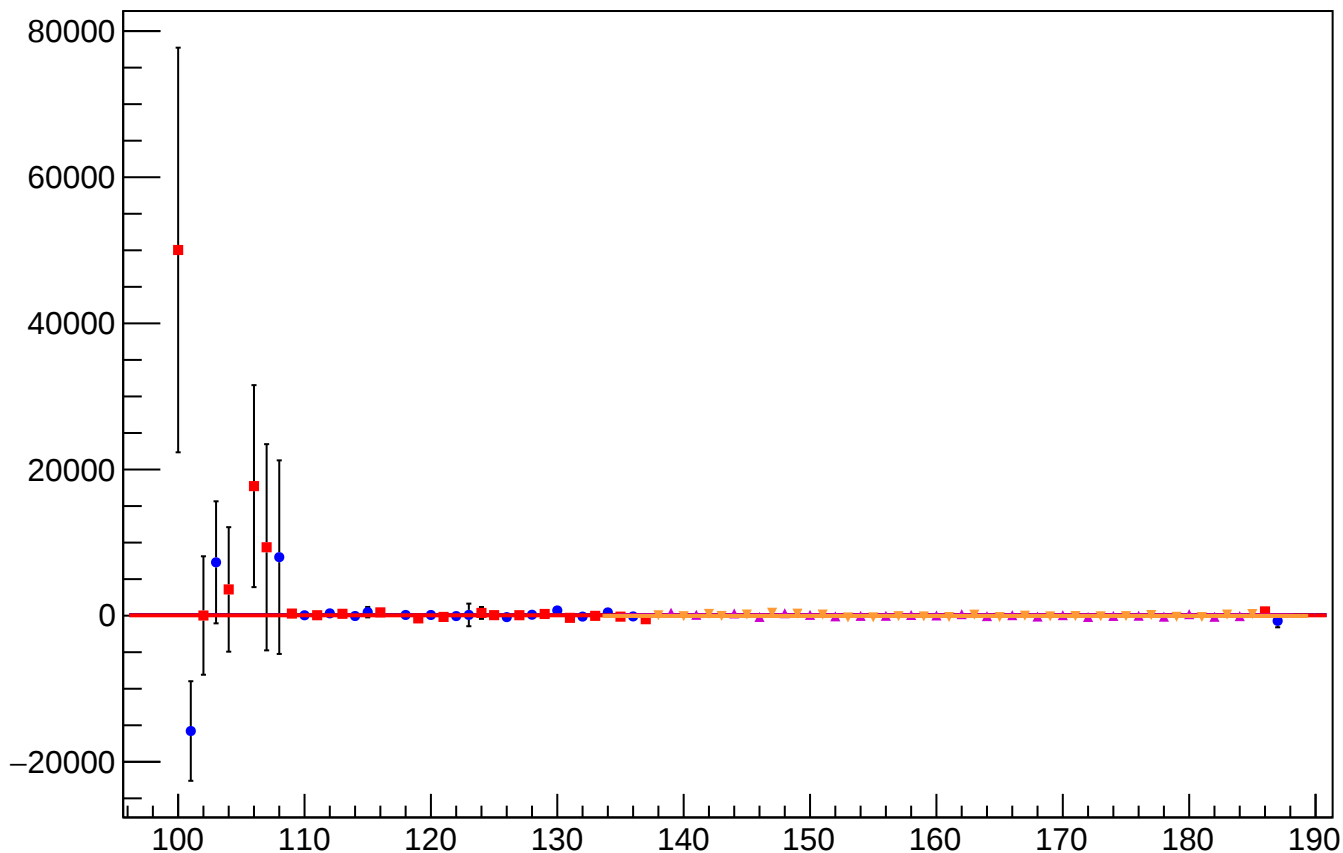
Right: 2.447+/-0.001 χ^2/NDF : 22959793.2/37

In: 2.693+/-0.002 χ^2/NDF : 44769635.6/40

Out: 2.654+/-0.001 χ^2/NDF : 47867366.8/44

All: 2.672+/-0.001 χ^2/NDF : 92637319.1/85

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 92.063+/-90.672 χ^2/NDF : 12.8/17

Left Out: -38.013+/-49.628 χ^2/NDF : 9.3/24

Right Out: 48.353+/-83.710 χ^2/NDF : 14.8/19

Left In: 28.205+/-48.167 χ^2/NDF : 9.2/22

Left: -3.915+/-34.564 χ^2/NDF : 19.4/47

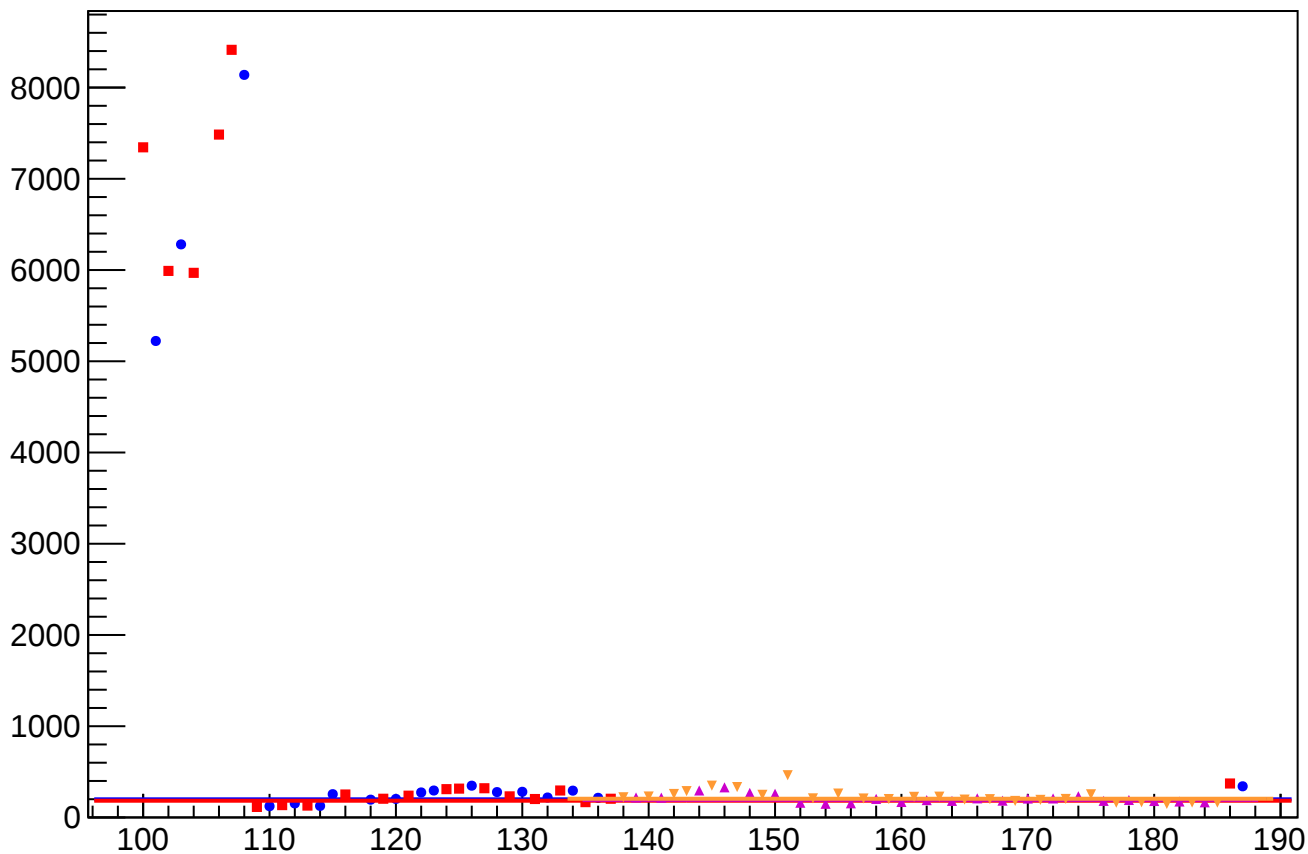
Right: 68.466+/-61.506 χ^2/NDF : 27.8/37

In: 42.259+/-42.537 χ^2/NDF : 22.4/40

Out: -15.552+/-42.690 χ^2/NDF : 24.9/44

All: 13.457+/-30.132 χ^2/NDF : 48.3/85

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 198.844+/-0.064 χ^2/NDF : 3749571.4/17

Left Out: 205.027+/-0.035 χ^2/NDF :1956045.1/24

Right Out: 183.444+/-0.059 χ^2/NDF : 4514700.5/19

Left In: 193.405+/-0.034 χ^2/NDF :1172169.3/22

Left: 199.042+/-0.024 χ^2/NDF : 3184695.4/47

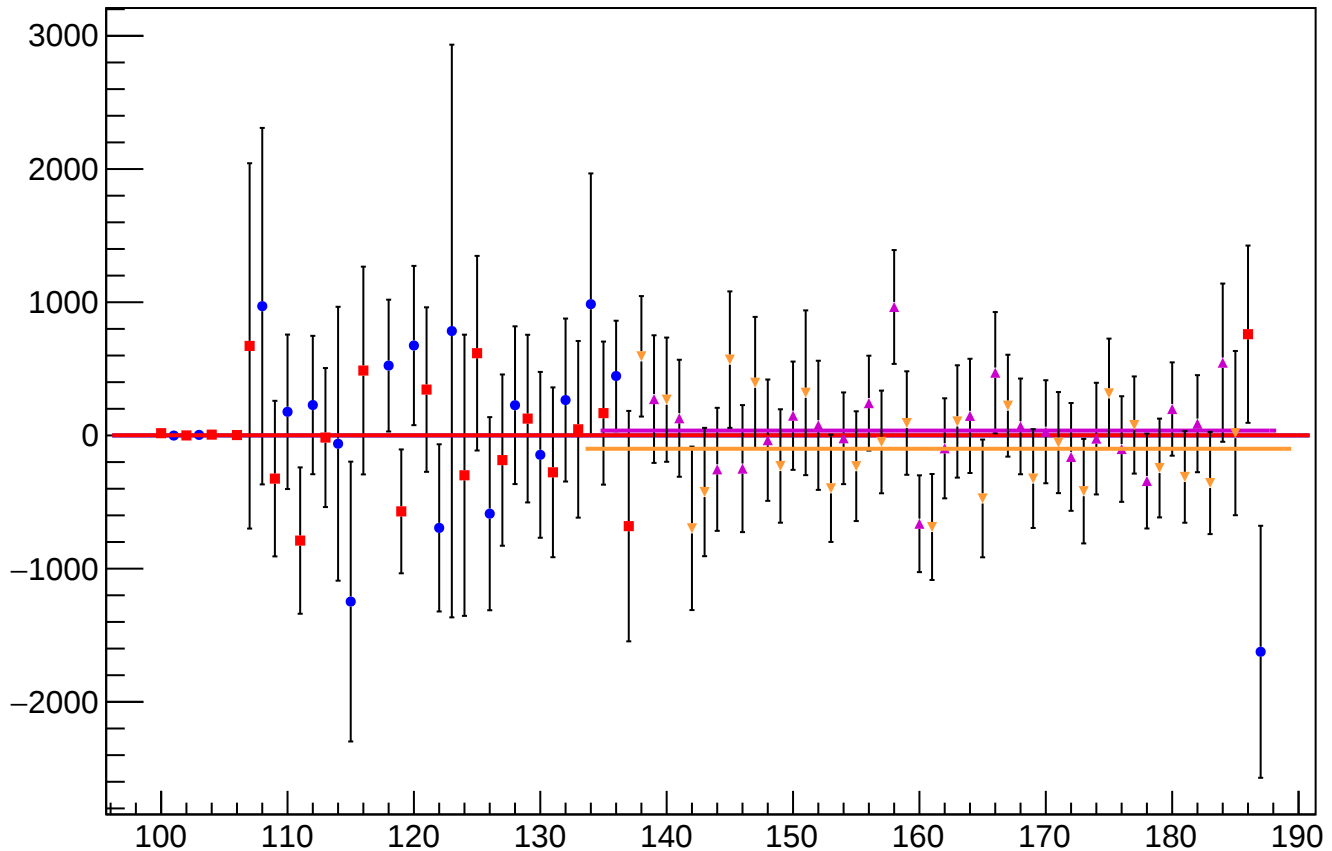
Right: 190.530+/-0.043 χ^2/NDF : 8295415.0/37

In: 194.602+/-0.030 χ^2/NDF :4927353.0/40

Out: 199.414+/-0.030 χ^2/NDF :6569117.9/44

All: 196.999+/-0.021 χ^2/NDF : 11509222.8/85

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.145 $\pm$ 1.737 χ^2/NDF : 13.0/17

Left Out: -100.058 $\pm$ 84.190 χ^2/NDF :15.7/24

Right Out: 1.327 $\pm$ 1.623 χ^2/NDF : 10.7/19

Left In: 36.497 $\pm$ 84.675 χ^2/NDF :13.5/22

Left: -32.173 $\pm$ 59.702 χ^2/NDF : 30.5/47

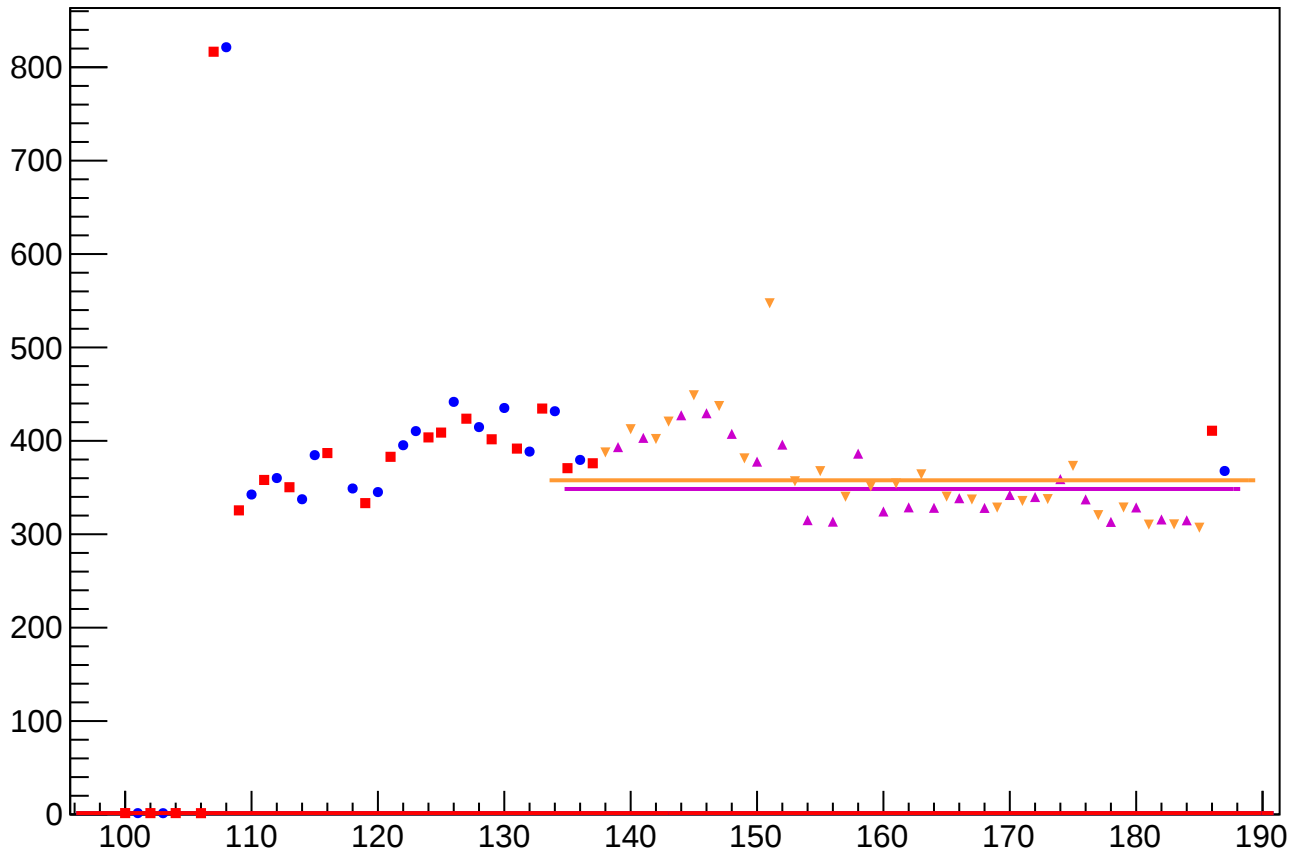
Right: 0.641 $\pm$ 1.186 χ^2/NDF : 24.0/37

In: -0.130 $\pm$ 1.736 χ^2/NDF :26.7/40

Out: 1.289 $\pm$ 1.622 χ^2/NDF :27.8/44

All: 0.628 $\pm$ 1.185 χ^2/NDF : 54.9/85

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.454+/-0.001 χ^2/NDF : 11214484.2/17

Left Out: 357.771+/-0.060 χ^2/NDF : 547124.8/24

Right Out: 1.453+/-0.001 χ^2/NDF : 11595819.9/19

Left In: 348.464+/-0.060 χ^2/NDF : 360425.7/22

Left: 353.145+/-0.042 χ^2/NDF : 919701.2/47

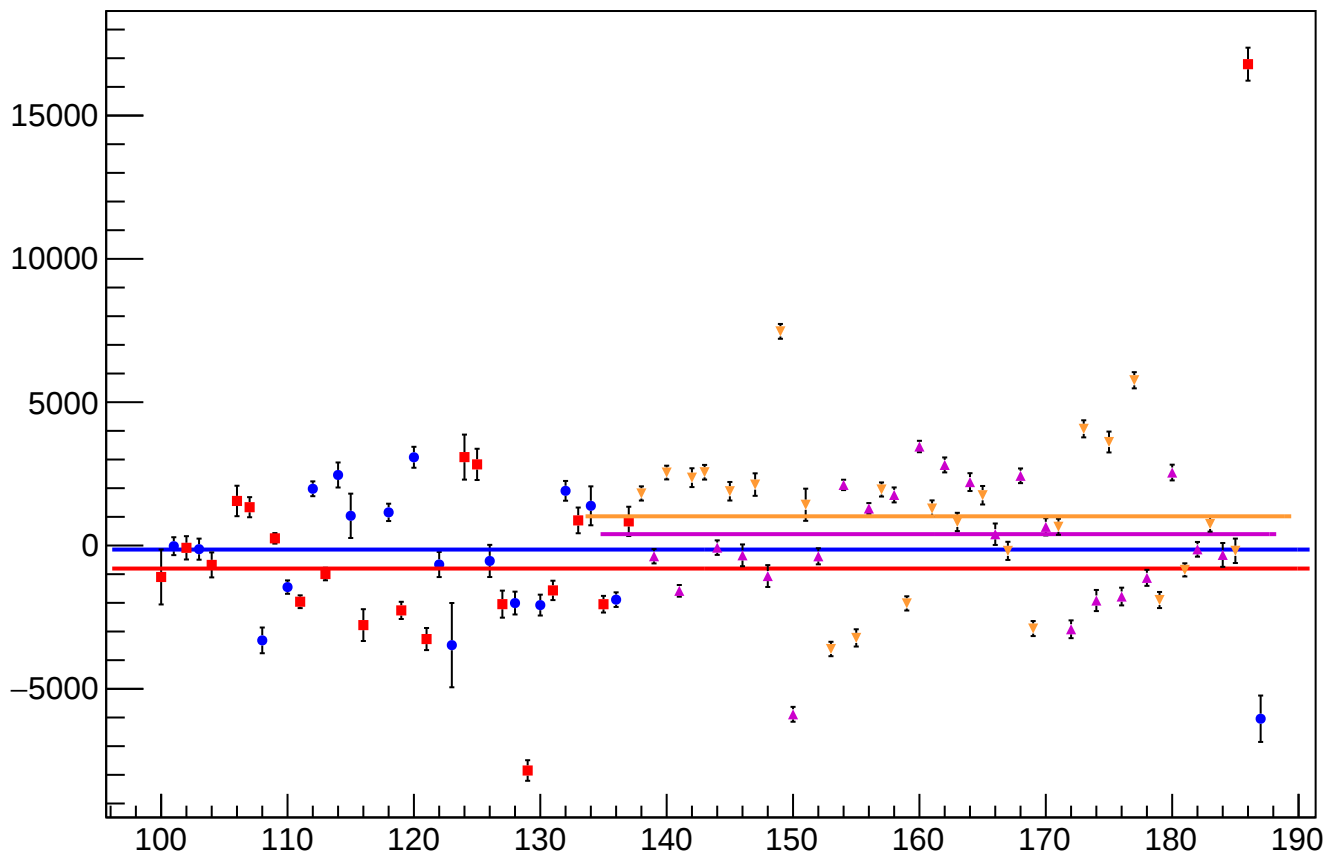
Right: 1.454+/-0.001 χ^2/NDF : 22810304.2/37

In: 1.600+/-0.001 χ^2/NDF : 45150105.6/40

Out: 1.586+/-0.001 χ^2/NDF : 47954662.3/44

All: 1.592+/-0.001 χ^2/NDF : 93104838.2/85

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -140.970 ± 87.252 $\chi^2/\text{NDF}: 480.2/17$

Left Out: 1018.965 ± 57.402 $\chi^2/\text{NDF}: 2310.1/24$

Right Out: -803.658 ± 77.718 $\chi^2/\text{NDF}: 1640.7/19$

Left In: 396.609 ± 55.090 $\chi^2/\text{NDF}: 1581.0/22$

Left: 695.002 ± 39.747 $\chi^2/\text{NDF}: 3952.3/47$

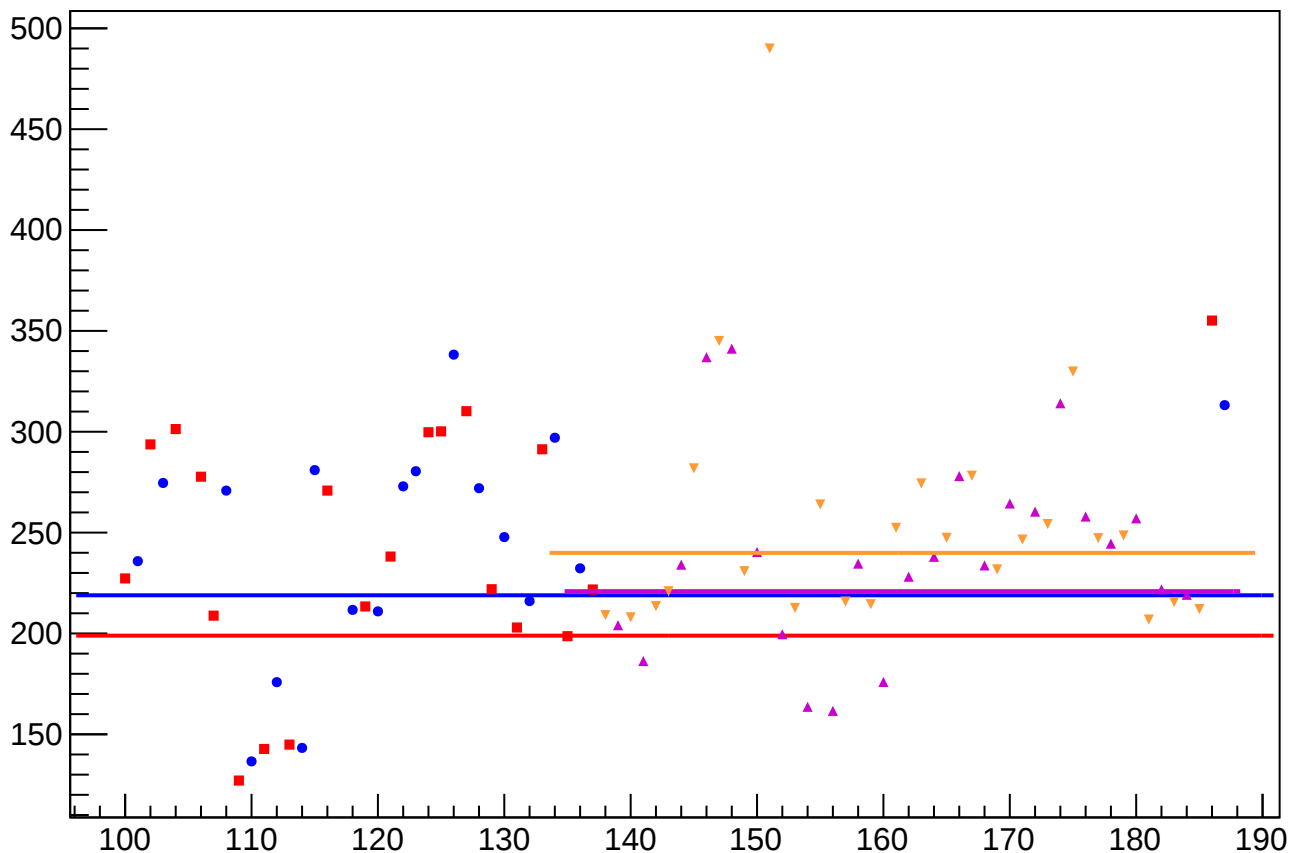
Right: -510.487 ± 58.034 $\chi^2/\text{NDF}: 2153.0/37$

In: 243.385 ± 46.582 $\chi^2/\text{NDF}: 2088.3/40$

Out: 375.636 ± 46.173 $\chi^2/\text{NDF}: 4306.7/44$

All: 310.094 ± 32.793 $\chi^2/\text{NDF}: 6399.1/85$

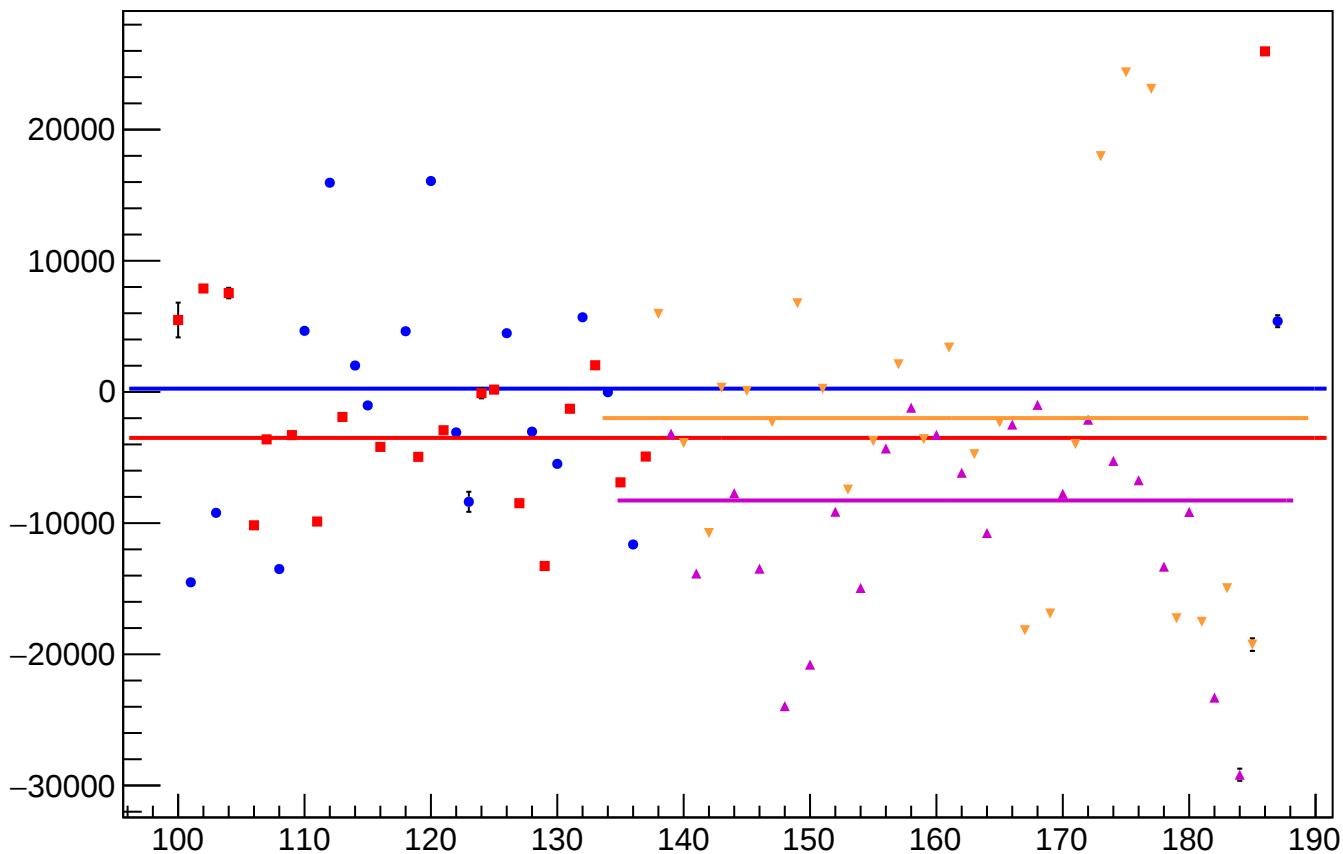
asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 218.923 ± 0.062 $\chi^2/\text{NDF}: 688514.0/17$
 Left Out: 239.942 ± 0.041 $\chi^2/\text{NDF}: 1000770.0/24$
 Right Out: 198.914 ± 0.055 $\chi^2/\text{NDF}: 1339161.4/19$
 Left In: 220.972 ± 0.039 $\chi^2/\text{NDF}: 1327680.6/22$

Left: 230.067 ± 0.028 $\chi^2/\text{NDF}: 2442154.9/47$
 Right: 207.766 ± 0.041 $\chi^2/\text{NDF}: 2086321.3/37$
 In: 220.388 ± 0.033 $\chi^2/\text{NDF}: 2016982.9/40$
 Out: 225.460 ± 0.033 $\chi^2/\text{NDF}: 2700562.8/44$
 All: 222.946 ± 0.023 $\chi^2/\text{NDF}: 4729508.9/85$

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 252.866 $\pm$ 54.505 χ^2/NDF : 30790.4/17

Left Out: -1991.788 $\pm$ 42.427 χ^2/NDF : 63766.6/24

Right Out: -3503.372 $\pm$ 51.555 χ^2/NDF : 18780.9/19

Left In: -8273.228 $\pm$ 44.301 χ^2/NDF : 22870.2/22

Left: -4996.810 $\pm$ 30.641 χ^2/NDF : 97123.2/47

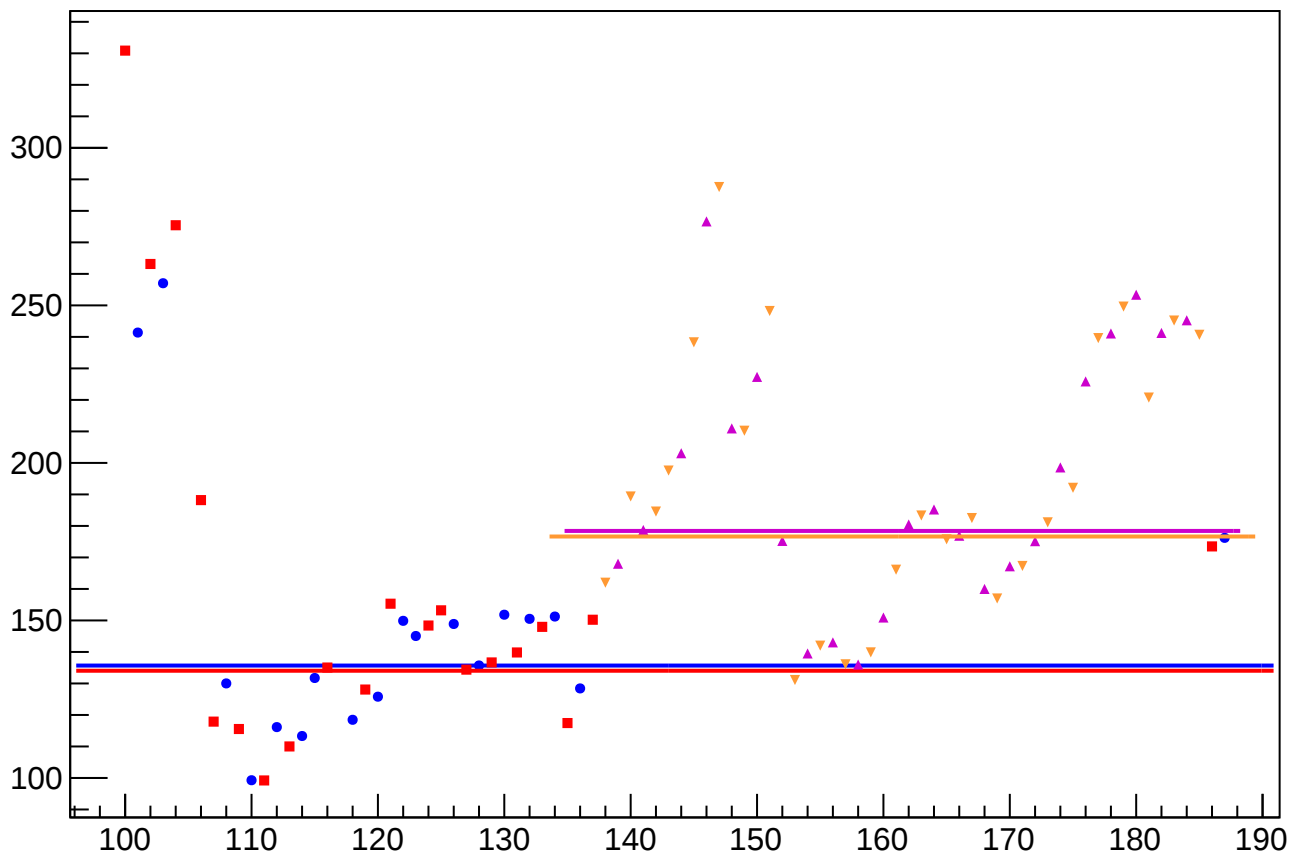
Right: -1729.646 $\pm$ 37.455 χ^2/NDF : 52077.9/37

In: -4881.400 $\pm$ 34.378 χ^2/NDF : 68395.7/40

Out: -2602.131 $\pm$ 32.760 χ^2/NDF : 83060.0/44

All: -3686.871 $\pm$ 23.716 χ^2/NDF : 153759.4/8

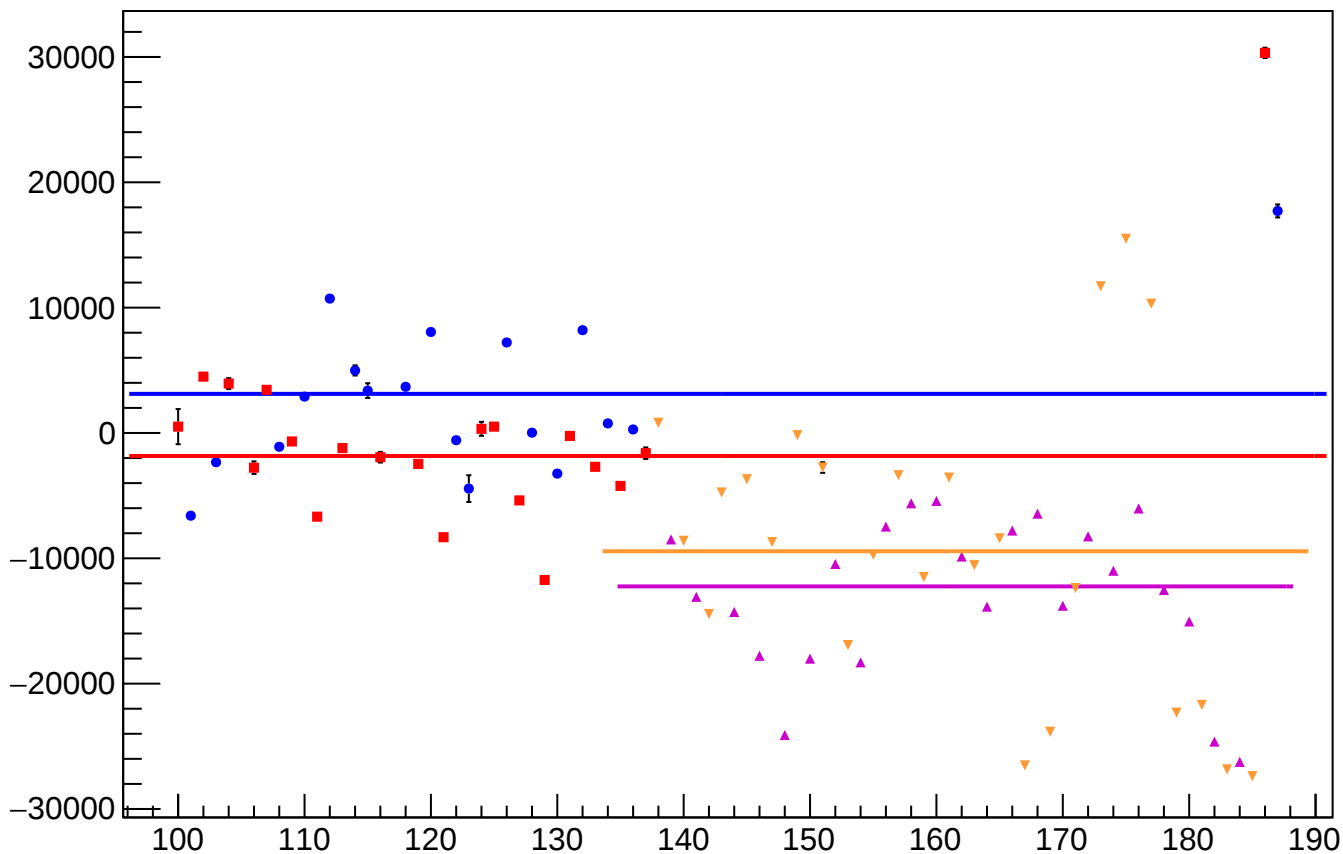
asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 135.683 $\pm$ 0.039 χ^2/NDF : 673595.0/17
 Left Out: 176.641 $\pm$ 0.030 χ^2/NDF :1551048.8/24
 Right Out: 134.038 $\pm$ 0.036 χ^2/NDF : 868914.0/19
 Left In: 178.413 $\pm$ 0.031 χ^2/NDF :1293736.2/22

Left: 177.489 $\pm$ 0.022 χ^2/NDF : 2846455.0/47
 Right: 134.814 $\pm$ 0.026 χ^2/NDF : 1543470.3/37
 In: 161.414 $\pm$ 0.024 χ^2/NDF :2707554.7/40
 Out: 159.439 $\pm$ 0.023 χ^2/NDF :3234241.3/44
 All: 160.379 $\pm$ 0.017 χ^2/NDF : 5945257.8/85

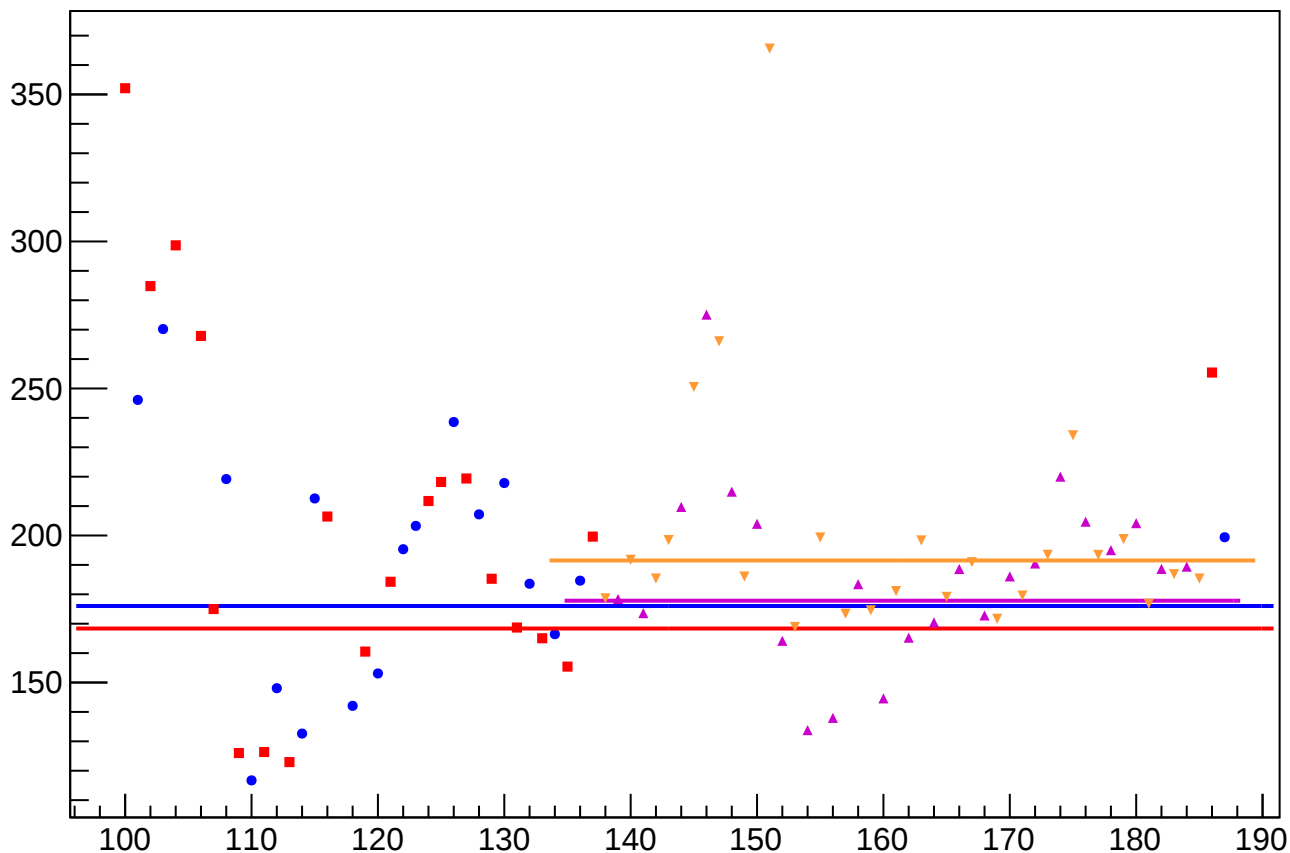
asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 3120.005+/-70.238 χ^2/NDF : 4970.3/17
 Left Out: -9437.408+/-45.534 χ^2/NDF : 62220.4/24
 Right Out: -1834.858+/-64.900 χ^2/NDF : 9352.3/19
 Left In: -12242.226+/-43.944 χ^2/NDF : 16615.8/22

Left: -10889.638+/-31.621 χ^2/NDF : 80800.7/47
 Right: 447.161+/-47.667 χ^2/NDF : 17007.1/37
 In: -7920.540+/-37.254 χ^2/NDF : 55965.6/40
 Out: -6929.542+/-37.275 χ^2/NDF : 80768.4/44
 All: -7425.322+/-26.350 χ^2/NDF : 137087.7/8

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 176.021+/-0.050 χ^2/NDF : 692014.8/17

Left Out: 191.507+/-0.032 χ^2/NDF : 727251.6/24

Right Out: 168.369+/-0.046 χ^2/NDF : 1016035.2/19

Left In: 177.821+/-0.031 χ^2/NDF : 862494.4/22

Left: 184.421+/-0.022 χ^2/NDF : 1683284.8/47

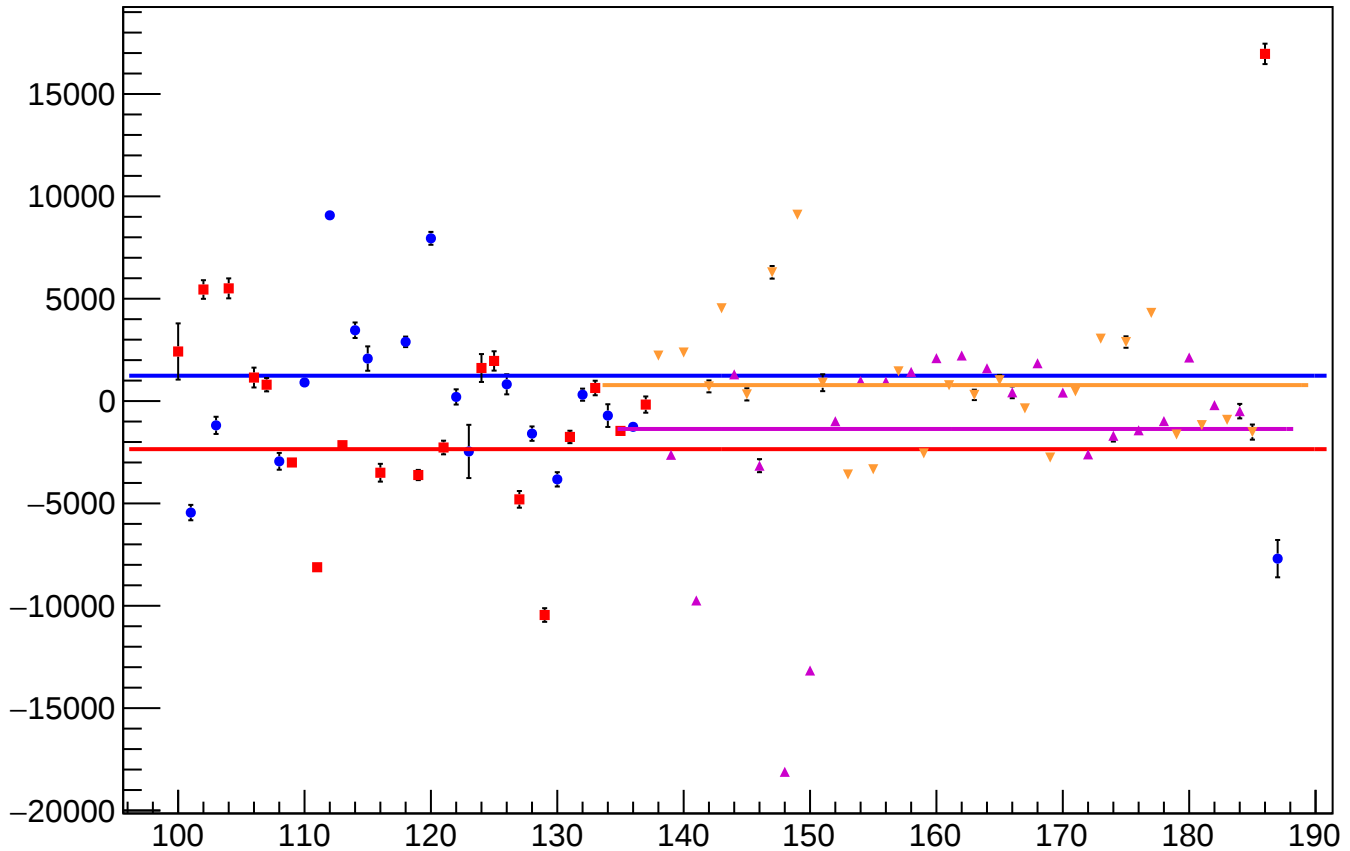
Right: 171.893+/-0.034 χ^2/NDF : 1720854.7/37

In: 177.315+/-0.026 χ^2/NDF : 1555453.8/40

Out: 183.874+/-0.026 χ^2/NDF : 1913637.8/44

All: 180.593+/-0.019 χ^2/NDF : 3500075.0/85

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1238.656 $\pm$ 77.046 χ^2 /NDF: 2746.7/17

Left Out: 779.983 $\pm$ 47.457 χ^2 /NDF:4260.8/24

Right Out: -2348.875 $\pm$ 69.332 χ^2 /NDF: 4025.5/19

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

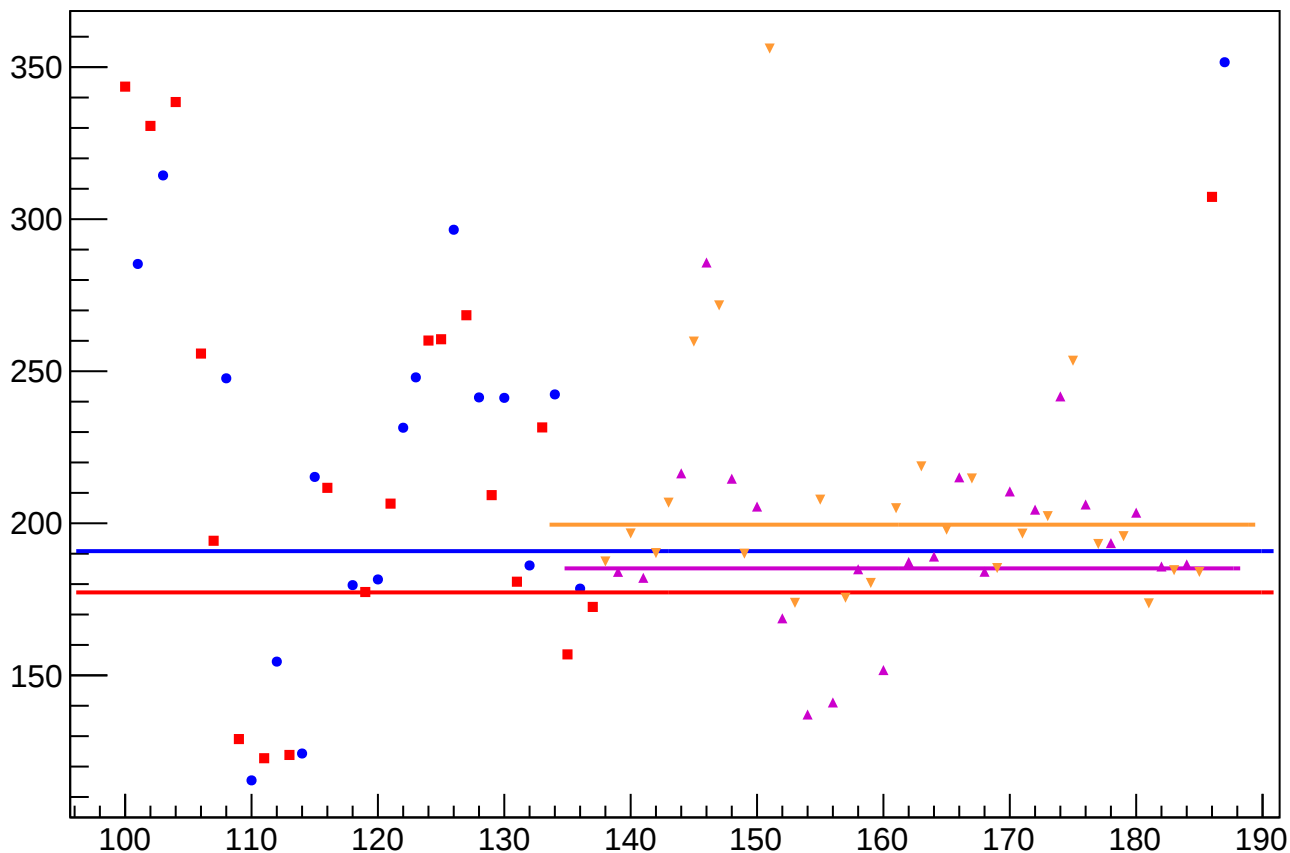
Right: -743.662 $\pm$ 51.537 χ^2 /NDF: 7970.2/37

In: -683.589 $\pm$ 39.373 χ^2 /NDF:15222.0/40

Out: -218.276 $\pm$ 39.162 χ^2 /NDF:9673.1/44

All: -449.678 $\pm$ 27.766 χ^2 /NDF: 24965.3/85

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 190.844 $\pm$ 0.054 χ^2 /NDF: 1039853.4/17

Left Out: 199.547 $\pm$ 0.034 χ^2 /NDF: 729356.3/24

Right Out: 177.270 $\pm$ 0.049 χ^2 /NDF: 1429809.6/19

Left In: 185.171 $\pm$ 0.032 χ^2 /NDF: 882752.2/22

Left: 192.104 $\pm$ 0.023 χ^2 /NDF: 1707122.0/47

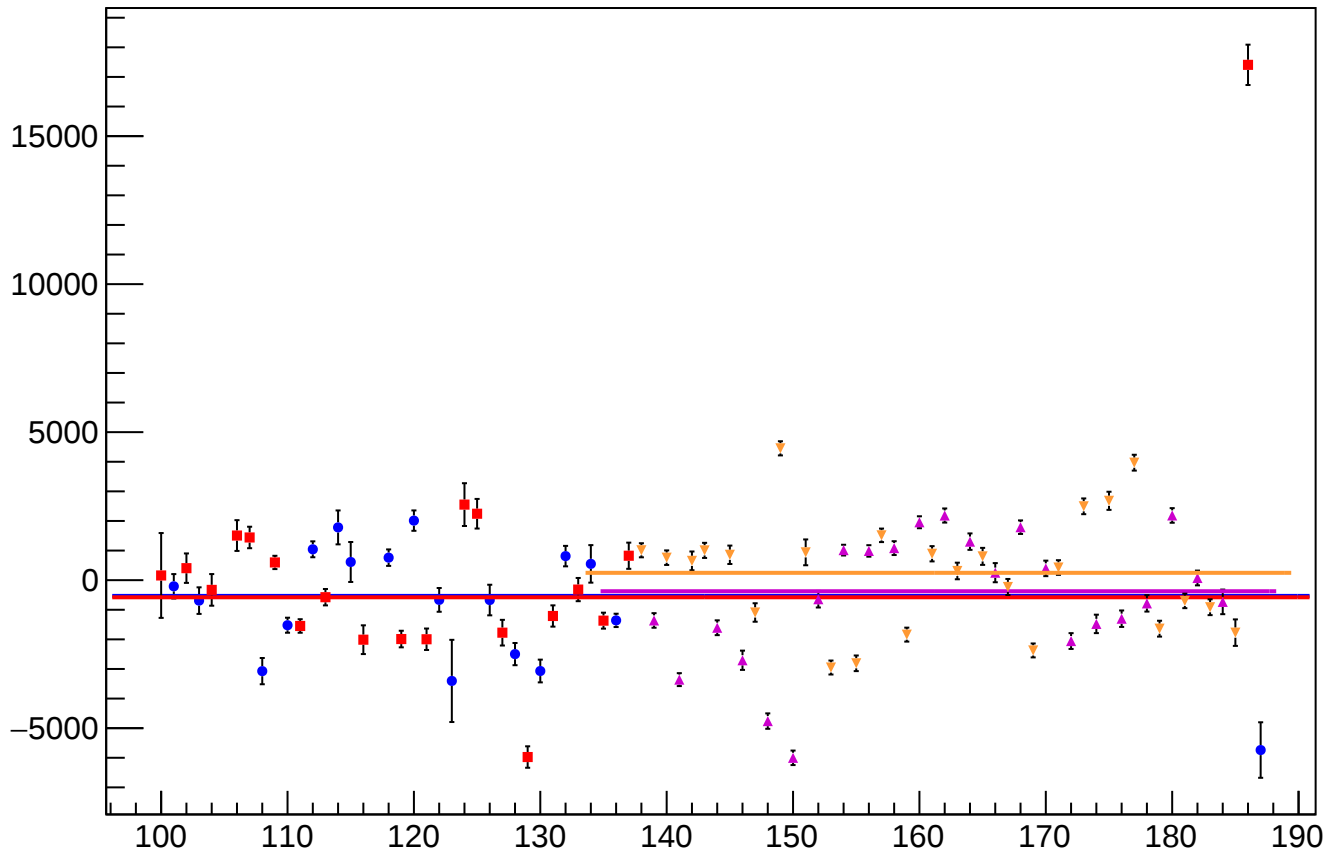
Right: 183.343 $\pm$ 0.036 χ^2 /NDF: 2503964.3/37

In: 186.652 $\pm$ 0.028 χ^2 /NDF: 1930616.9/40

Out: 192.439 $\pm$ 0.028 χ^2 /NDF: 2299769.9/44

All: 189.561 $\pm$ 0.020 χ^2 /NDF: 4252106.9/85

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -531.718+/-88.393 χ^2/NDF : 316.4/17

Left Out: 247.844+/-53.555 χ^2/NDF :1355.1/24

Right Out: -578.583+/-81.640 χ^2/NDF : 1145.3/19

Left In: -374.122+/-52.049 χ^2/NDF :1801.0/22

Left: -72.006+/-37.325 χ^2/NDF : 3225.5/47

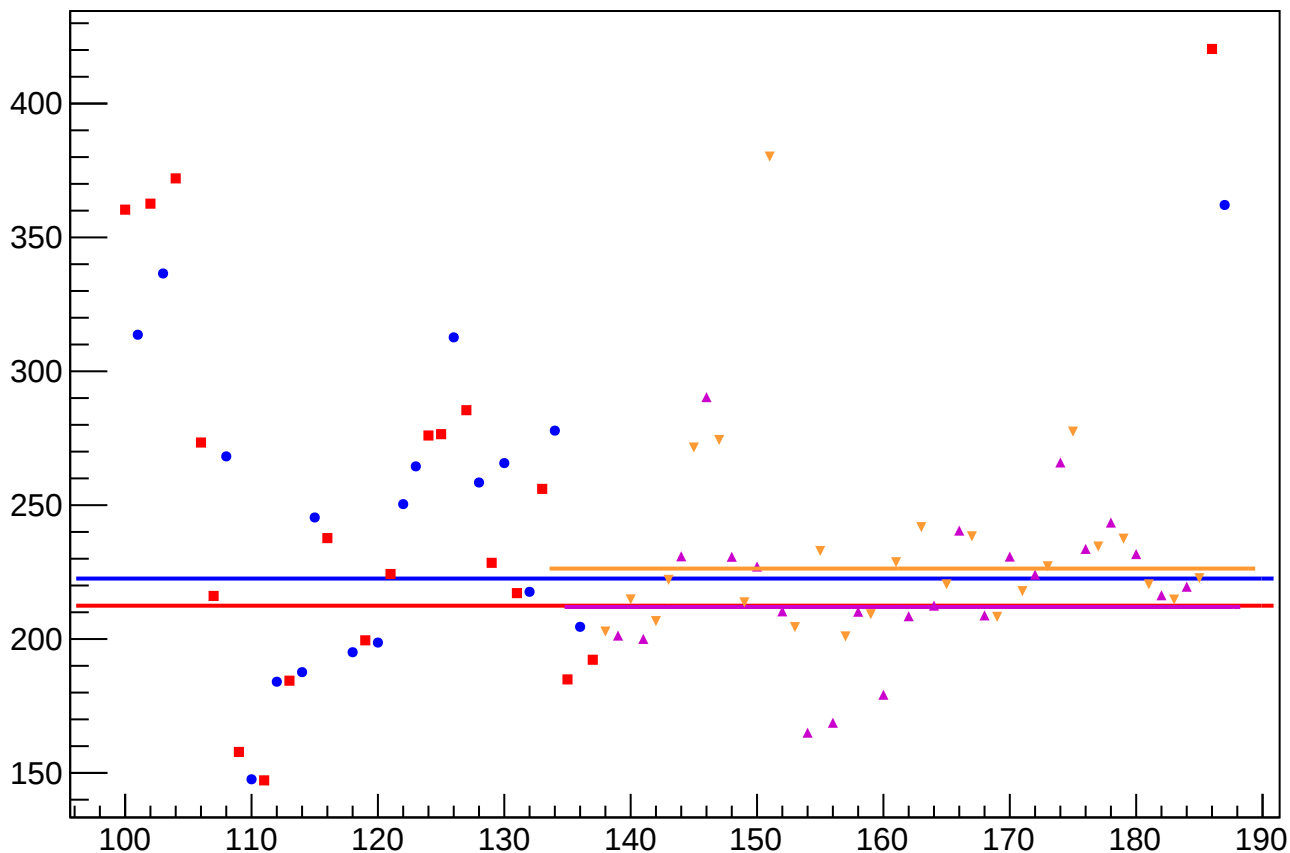
Right: -557.009+/-59.974 χ^2/NDF : 1461.9/37

In: -414.696+/-44.851 χ^2/NDF :2119.8/40

Out: -0.792+/-44.780 χ^2/NDF :2572.1/44

All: -207.415+/-31.689 χ^2/NDF : 4734.5/85

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 222.590 ± 0.063 $\chi^2/\text{NDF}: 690184.4/17$

Left Out: 226.322 ± 0.038 $\chi^2/\text{NDF}: 521041.8/24$

Right Out: 212.457 ± 0.058 $\chi^2/\text{NDF}: 1068273.5/19$

Left In: 211.970 ± 0.037 $\chi^2/\text{NDF}: 584344.5/22$

Left: 218.941 ± 0.026 $\chi^2/\text{NDF}: 1179246.7/47$

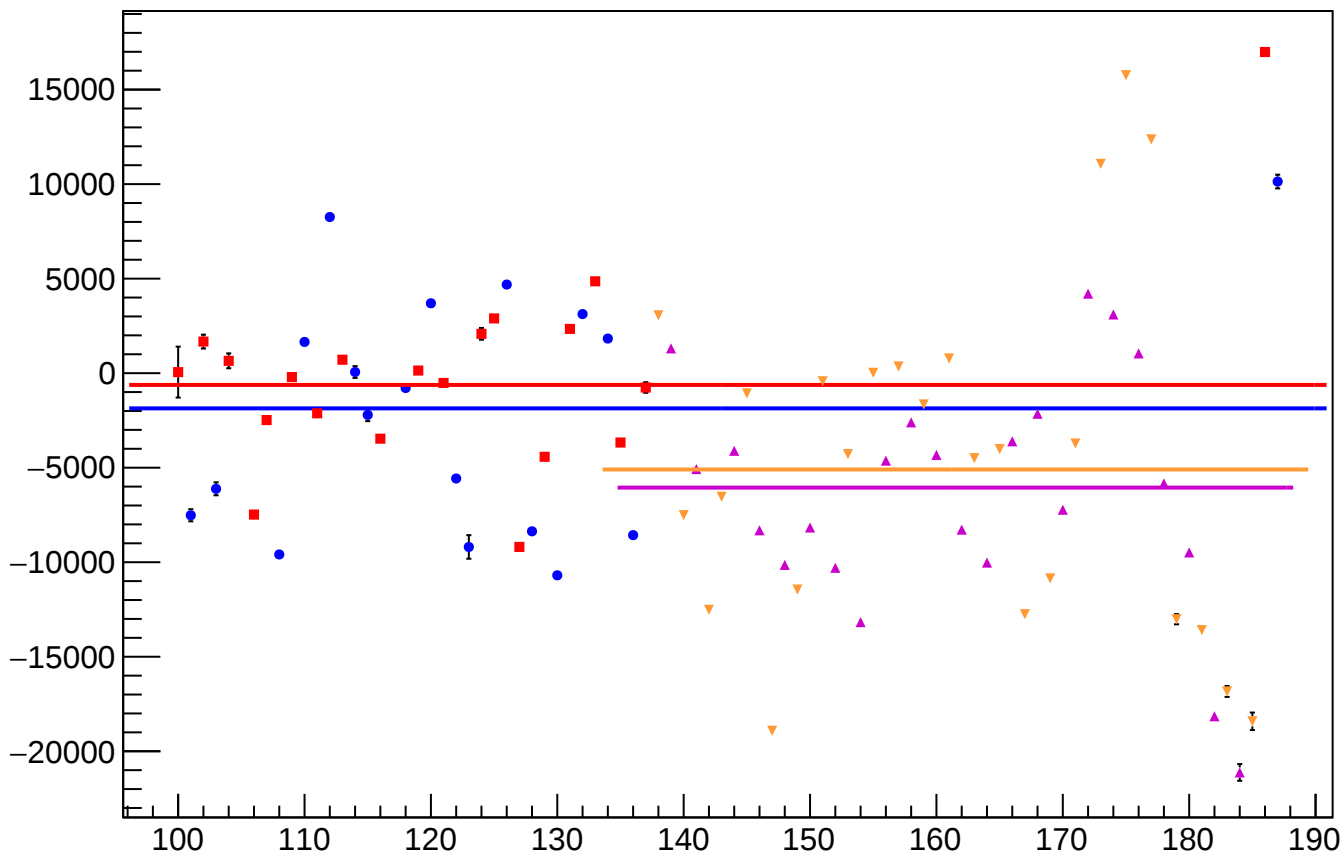
Right: 217.121 ± 0.042 $\chi^2/\text{NDF}: 1772641.9/37$

In: 214.704 ± 0.032 $\chi^2/\text{NDF}: 1295964.5/40$

Out: 222.150 ± 0.032 $\chi^2/\text{NDF}: 1629645.8/44$

All: 218.433 ± 0.022 $\chi^2/\text{NDF}: 2953216.1/85$

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -1861.595+/-47.009

χ^2/NDF : 17642.7/17

Left Out: -5095.305+/-33.703

χ^2/NDF : 54395.4/24

Right Out: -622.036+/-44.140

χ^2/NDF : 12024.8/19

Left In: -6053.569+/-34.998

χ^2/NDF : 17590.3/22

Left: -5556.386+/-24.277 χ^2/NDF : 72374.6/47

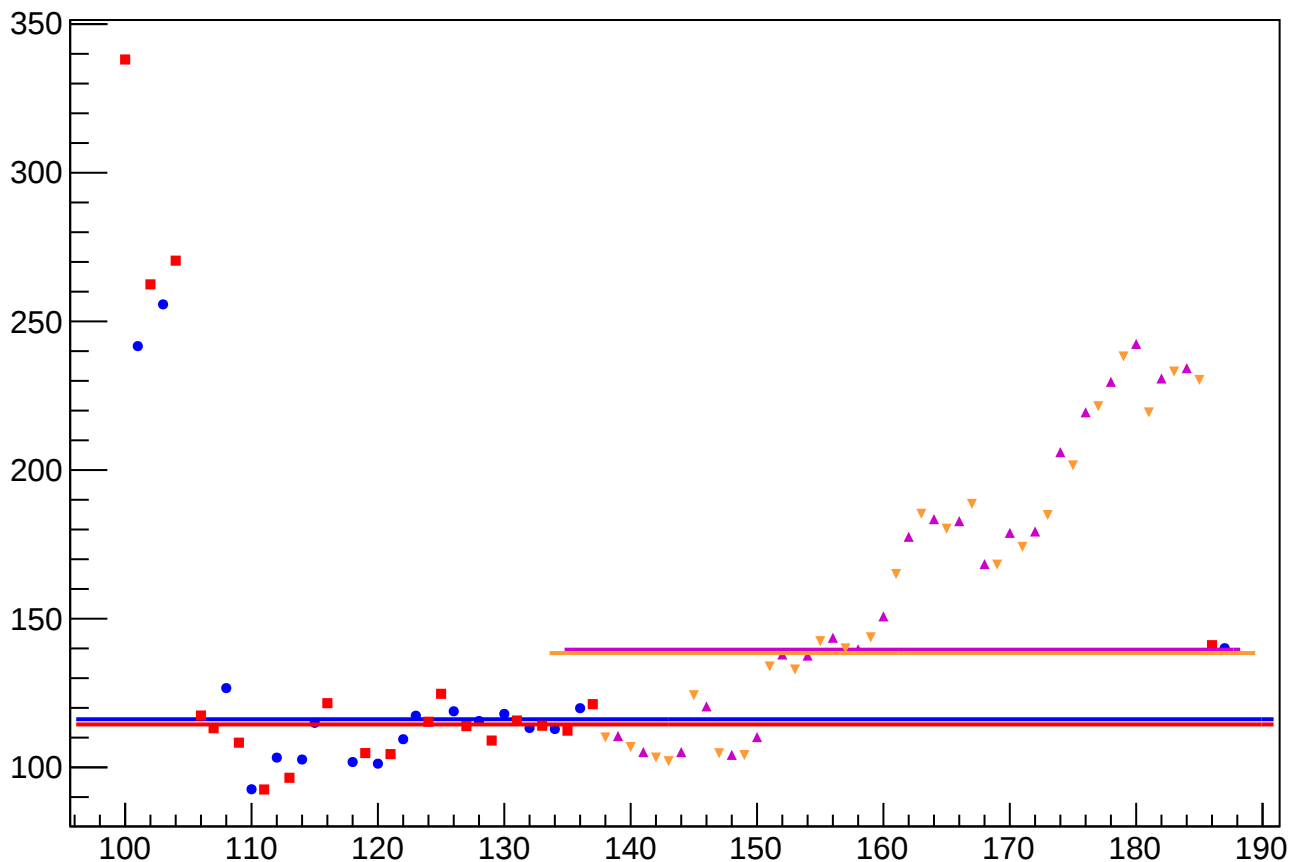
Right: -1202.843+/-32.178 χ^2/NDF : 30037.0/37

In: -4558.654+/-28.072 χ^2/NDF : 40349.2/40

Out: -3447.831+/-26.788 χ^2/NDF : 72907.9/44

All: -3977.240+/-19.380 χ^2/NDF : 114076.7/8

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 116.174 $\pm$ 0.033 χ^2 /NDF: 752454.3/17

Left Out: 138.436 $\pm$ 0.024 χ^2 /NDF: 2549435.8/24

Right Out: 114.434 $\pm$ 0.031 χ^2 /NDF: 823324.5/19

Left In: 139.578 $\pm$ 0.025 χ^2 /NDF: 2413658.9/22

Left: 138.985 $\pm$ 0.017 χ^2 /NDF: 4964199.7/47

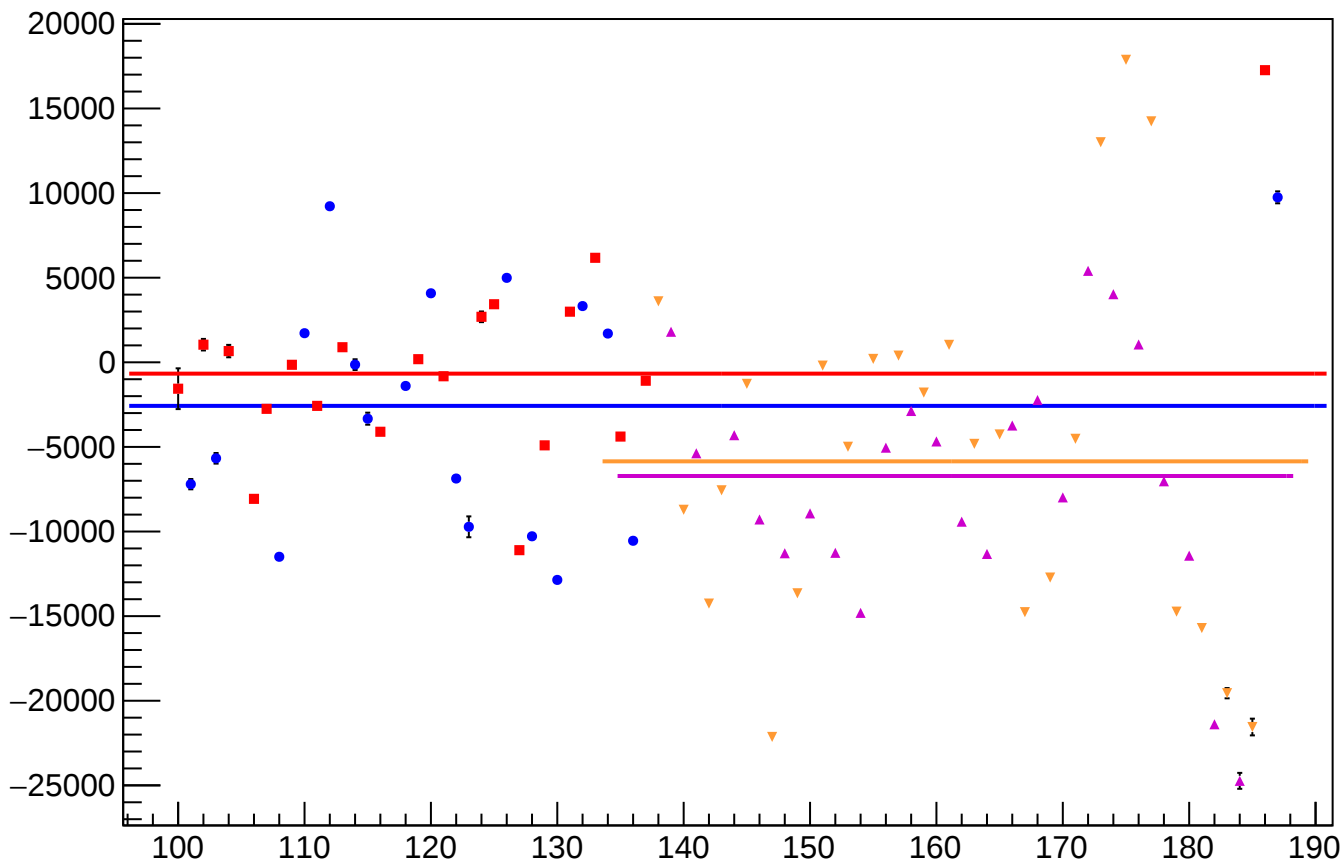
Right: 115.250 $\pm$ 0.023 χ^2 /NDF: 1577235.0/37

In: 131.232 $\pm$ 0.020 χ^2 /NDF: 3485047.7/40

Out: 129.596 $\pm$ 0.019 χ^2 /NDF: 3746309.7/44

All: 130.376 $\pm$ 0.014 χ^2 /NDF: 7234911.1/85

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2574.585 $\pm$ 47.912 χ^2/NDF : 22498.8/17

Left Out: -5852.544 $\pm$ 35.880 χ^2/NDF :63411.4/24

Right Out: -669.627 $\pm$ 45.390 χ^2/NDF : 14851.1/19

Left In: -6718.475 $\pm$ 37.276 χ^2/NDF :20934.3/22

Left: -6268.993 $\pm$ 25.850 χ^2/NDF : 84625.8/47

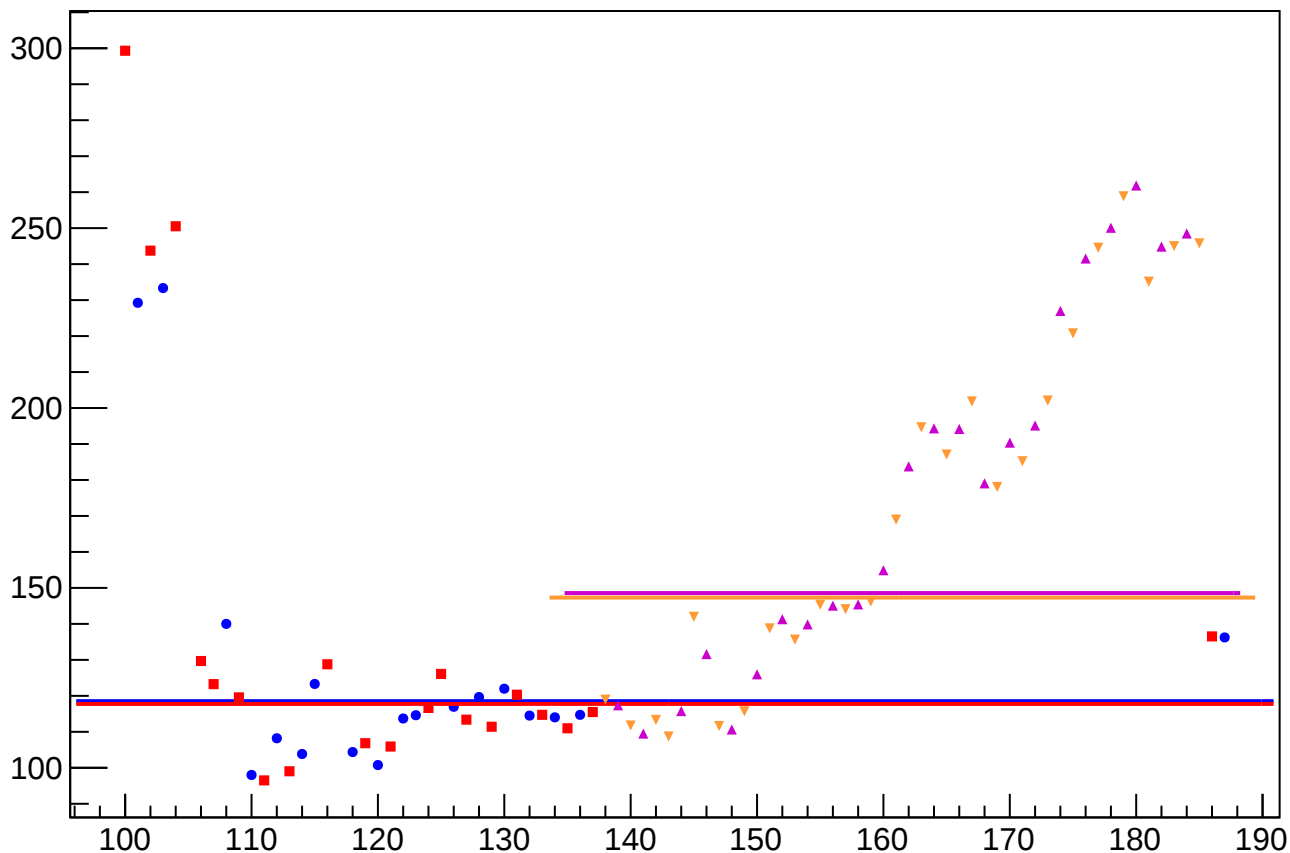
Right: -1570.649 $\pm$ 32.951 χ^2/NDF : 38183.0/37

In: -5155.977 $\pm$ 29.420 χ^2/NDF :48093.0/40

Out: -3859.380 $\pm$ 28.148 χ^2/NDF :86287.1/44

All: -4479.027 $\pm$ 20.338 χ^2/NDF : 135394.1/8

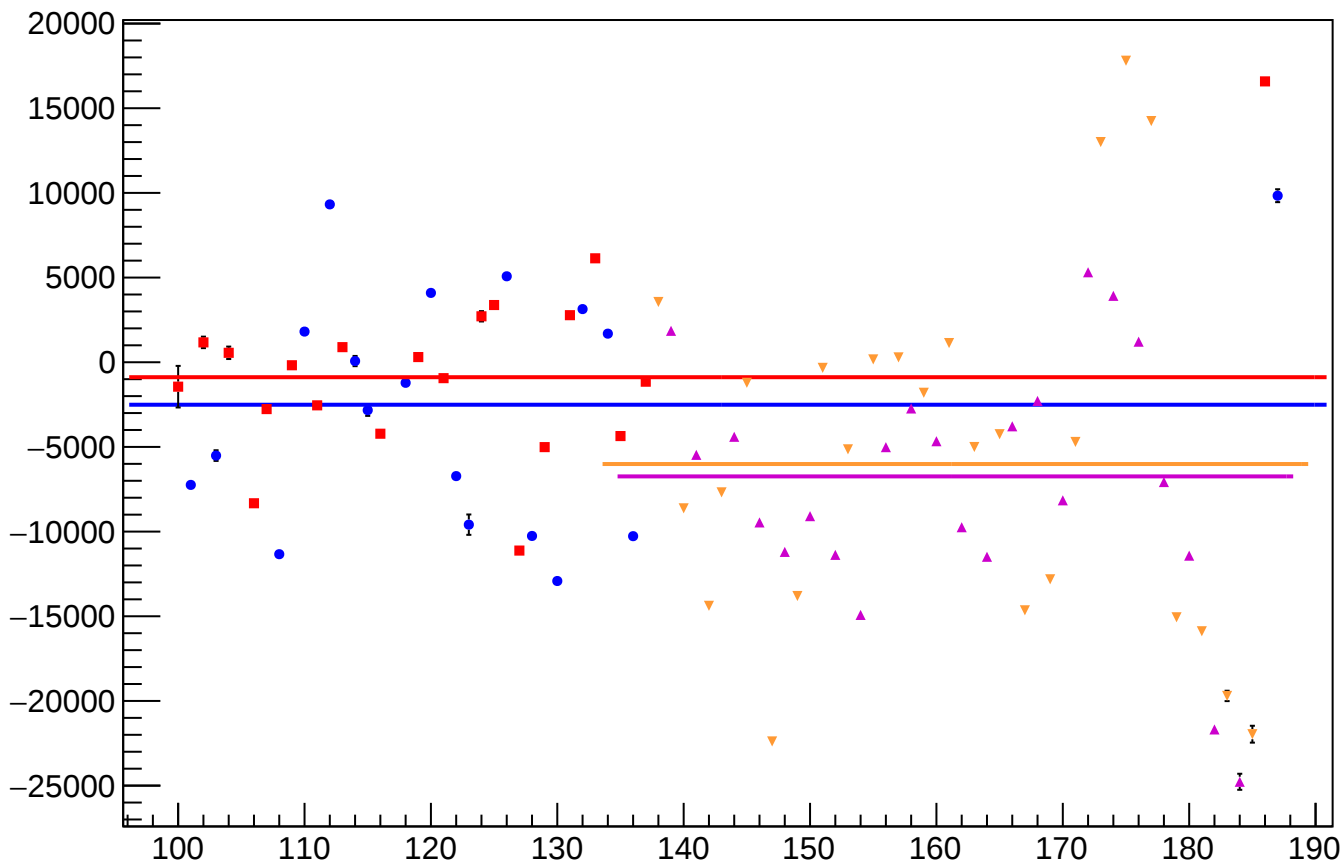
asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.519+/-0.034 χ^2/NDF : 641468.3/17
 Left Out: 147.317+/-0.025 χ^2/NDF : 2511679.9/24
 Right Out: 117.764+/-0.032 χ^2/NDF : 704319.5/19
 Left In: 148.569+/-0.026 χ^2/NDF : 2393185.0/22

Left: 147.919+/-0.018 χ^2/NDF : 4906034.9/47
 Right: 118.121+/-0.023 χ^2/NDF : 1346049.2/37
 In: 137.238+/-0.021 χ^2/NDF : 3524737.1/40
 Out: 135.952+/-0.020 χ^2/NDF : 3737787.6/44
 All: 136.567+/-0.014 χ^2/NDF : 7264519.0/85

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2508.877+/-46.080

χ^2/NDF : 23909.7/17

Left Out: -6009.913+/-35.082

χ^2/NDF : 67852.2/24

Right Out: -883.279+/-43.675

χ^2/NDF : 14233.2/19

Left In: -6740.666+/-36.379

χ^2/NDF : 22071.8/22

Left: -6362.031+/-25.253

χ^2/NDF : 90133.1/47

Right: -1652.553+/-31.699

χ^2/NDF : 38798.5/37

In: -5115.799+/-28.553

χ^2/NDF : 51177.0/40

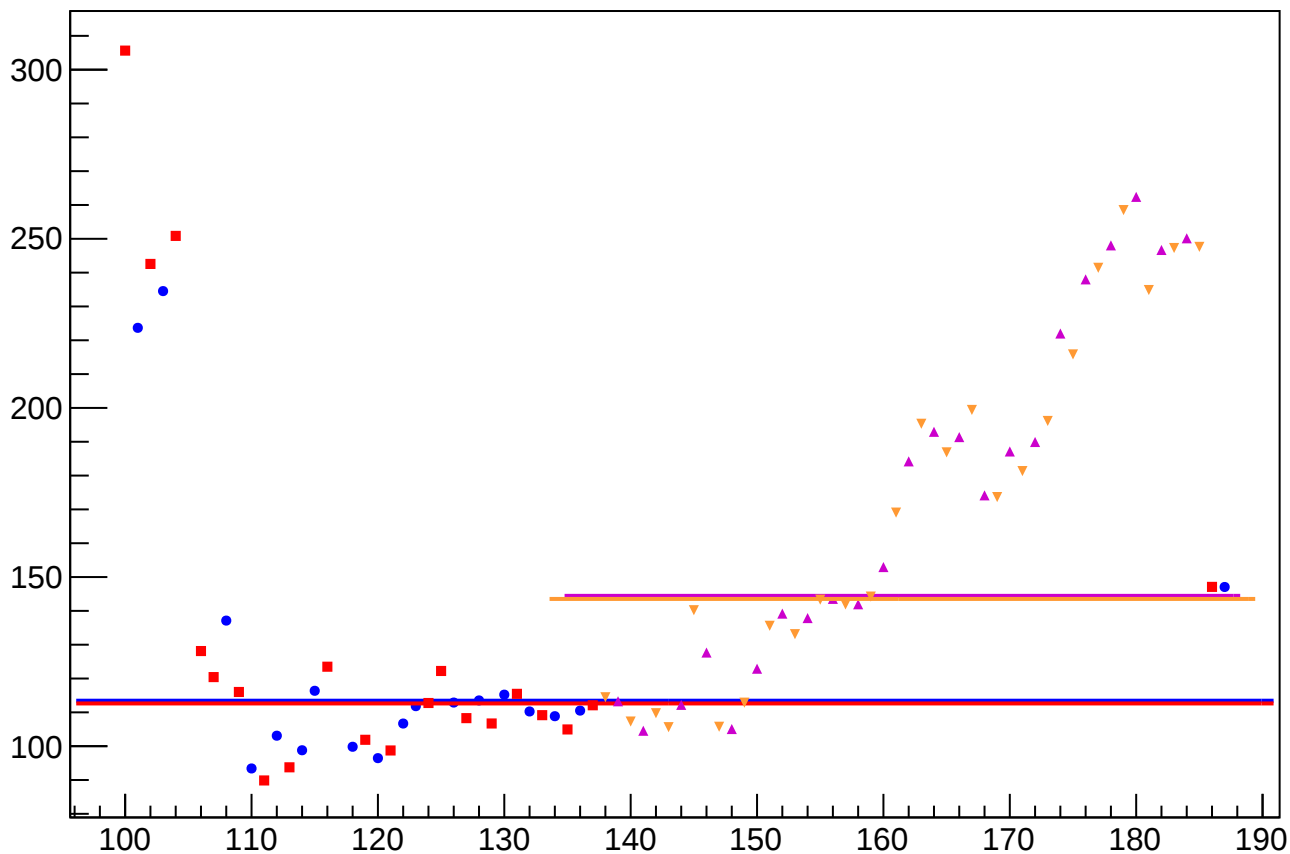
Out: -3999.339+/-27.351

χ^2/NDF : 90460.3/44

All: -4533.571+/-19.752

χ^2/NDF : 142434.6/8

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 113.441 $\pm$ 0.033 χ^2 /NDF: 696198.9/17

Left Out: 143.531 $\pm$ 0.025 χ^2 /NDF: 2704790.3/24

Right Out: 112.631 $\pm$ 0.031 χ^2 /NDF: 807022.4/19

Left In: 144.440 $\pm$ 0.026 χ^2 /NDF: 2586926.1/22

Left: 143.969 $\pm$ 0.018 χ^2 /NDF: 5292363.3/47

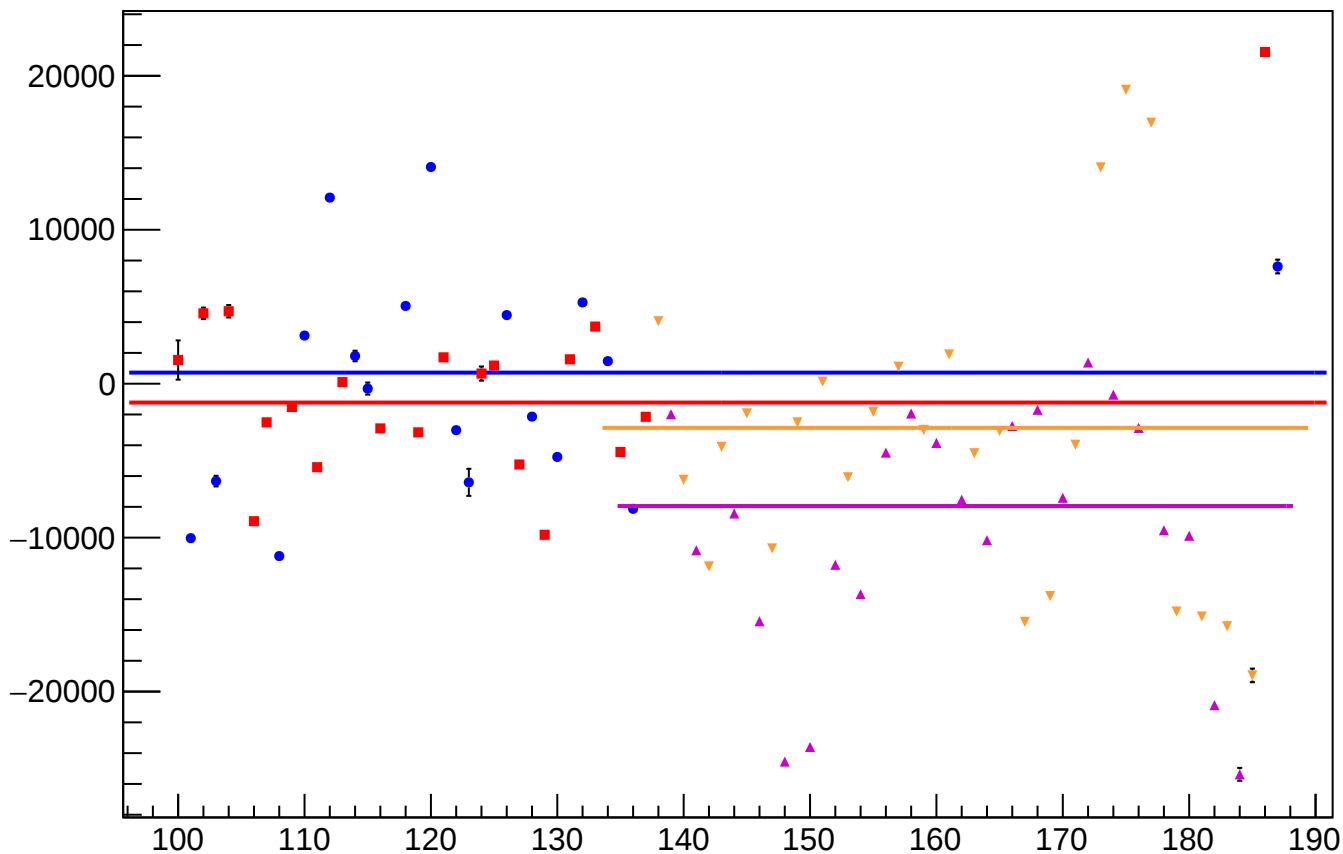
Right: 113.015 $\pm$ 0.022 χ^2 /NDF: 1503547.1/37

In: 132.537 $\pm$ 0.020 χ^2 /NDF: 3840677.1/40

Out: 131.412 $\pm$ 0.019 χ^2 /NDF: 4120290.9/44

All: 131.951 $\pm$ 0.014 χ^2 /NDF: 7962586.9/85

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 719.190+/-55.718 χ^2/NDF : 18488.6/17

Left Out: -2870.473+/-39.482 χ^2/NDF : 46420.3/24

Right Out: -1226.550+/-52.947 χ^2/NDF : 11400.2/19

Left In: -7947.160+/-41.726 χ^2/NDF : 23874.5/22

Left: -5268.670+/-28.678 χ^2/NDF : 78105.0/47

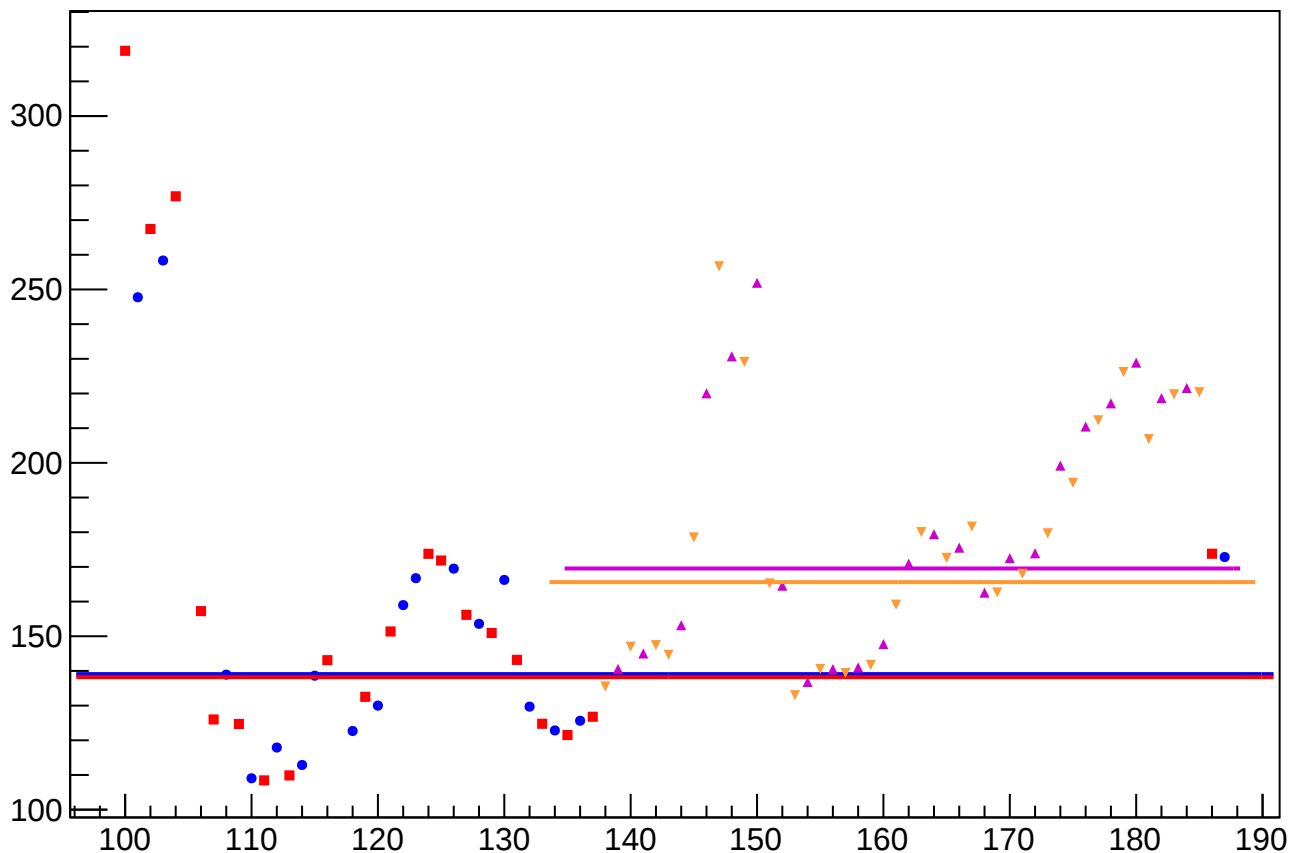
Right: -303.272+/-38.381 χ^2/NDF : 30529.6/37

In: -4833.279+/-33.399 χ^2/NDF : 57863.0/40

Out: -2283.012+/-31.651 χ^2/NDF : 58440.0/44

All: -3489.679+/-22.974 χ^2/NDF : 119374.9/8

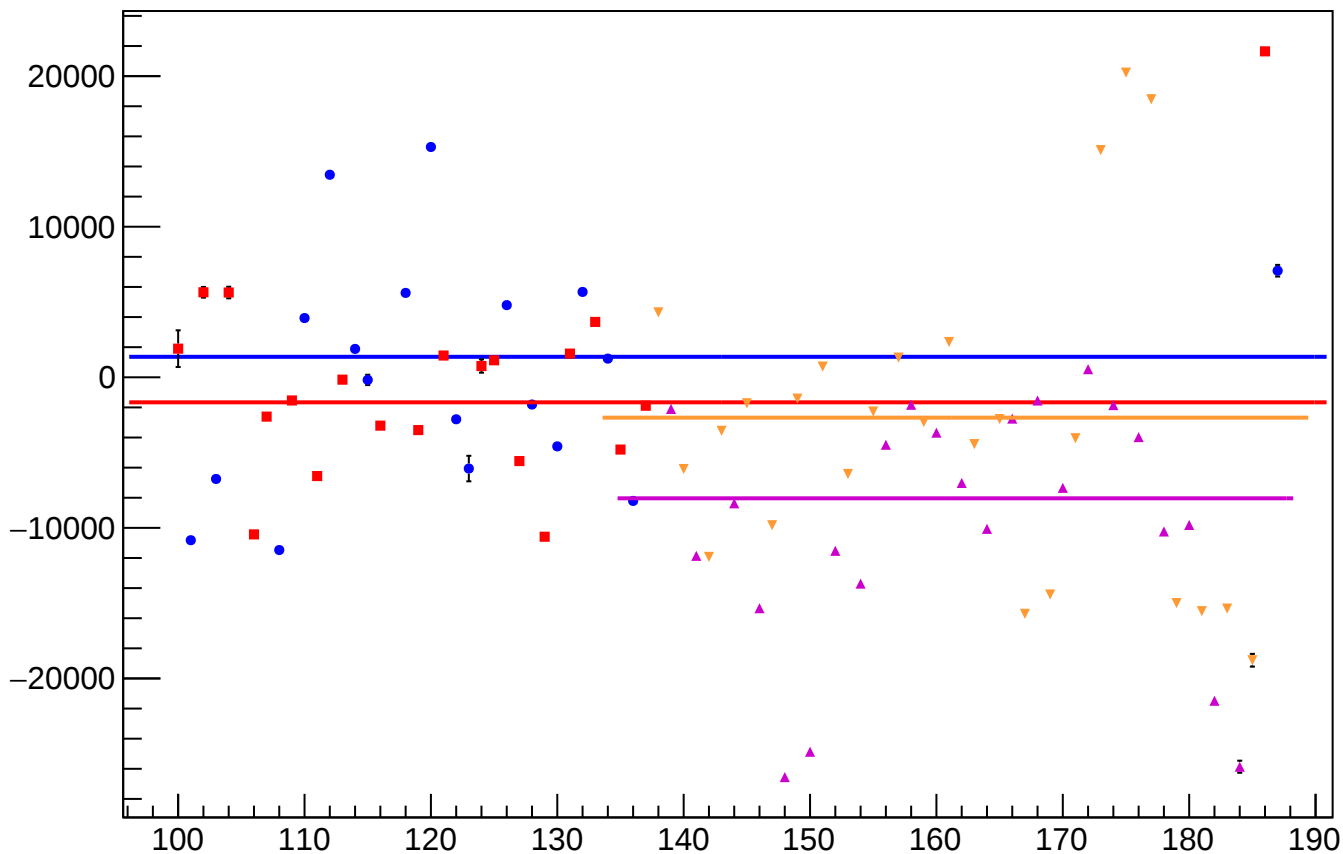
asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 139.079+/-0.039 χ^2/NDF : 679194.8/17
 Left Out: 165.616+/-0.028 χ^2/NDF :1144779.3/24
 Right Out: 138.194+/-0.037 χ^2/NDF : 784436.1/19
 Left In: 169.542+/-0.030 χ^2/NDF :1159241.9/22

Left: 167.471+/-0.020 χ^2/NDF : 2313359.6/47
 Right: 138.614+/-0.027 χ^2/NDF : 1463896.2/37
 In: 158.596+/-0.024 χ^2/NDF :2221447.0/40
 Out: 155.817+/-0.022 χ^2/NDF :2273986.9/44
 All: 157.132+/-0.016 χ^2/NDF : 4502731.2/85

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1360.785 $\pm$ 46.311 χ^2 /NDF: 30770.5/17

Left Out: -2680.012 $\pm$ 35.764 χ^2 /NDF:56820.4/24

Right Out: -1662.747 $\pm$ 43.553 χ^2 /NDF: 17128.8/19

Left In: -8036.826 $\pm$ 37.924 χ^2 /NDF:29261.6/22

Left: -5201.473 $\pm$ 26.019 χ^2 /NDF: 96642.3/47

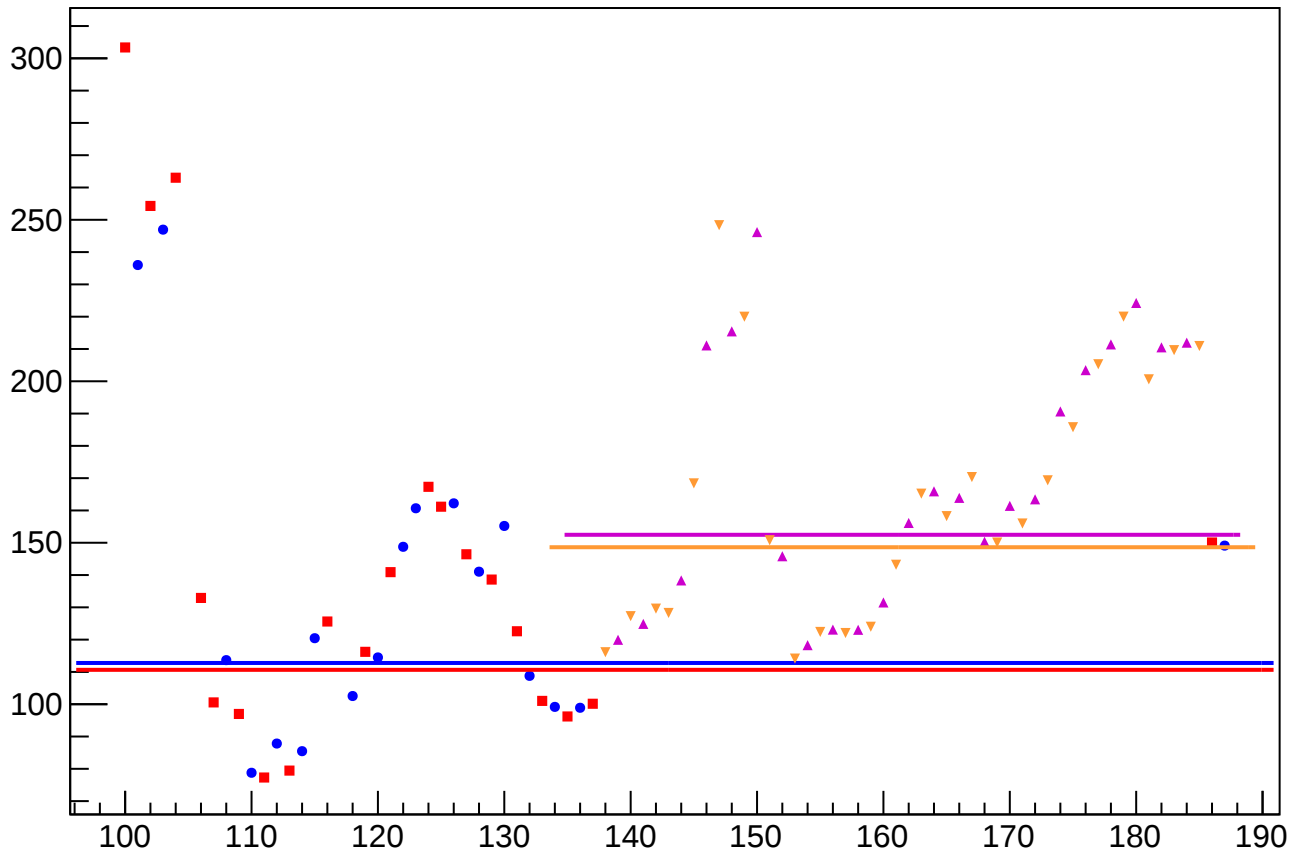
Right: -243.672 $\pm$ 31.727 χ^2 /NDF: 50161.2/37

In: -4264.451 $\pm$ 29.341 χ^2 /NDF:84680.9/40

Out: -2270.330 $\pm$ 27.639 χ^2 /NDF:74275.0/44

All: -3207.877 $\pm$ 20.119 χ^2 /NDF: 161403.2/8

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 112.775 $\pm$ 0.033 χ^2 /NDF: 1141481.0/17

Left Out: 148.611 $\pm$ 0.025 χ^2 /NDF:1685424.1/24

Right Out: 110.649 $\pm$ 0.031 χ^2 /NDF: 1317004.4/19

Left In: 152.463 $\pm$ 0.027 χ^2 /NDF:1691517.7/22

Left: 150.424 $\pm$ 0.018 χ^2 /NDF: 3387867.0/47

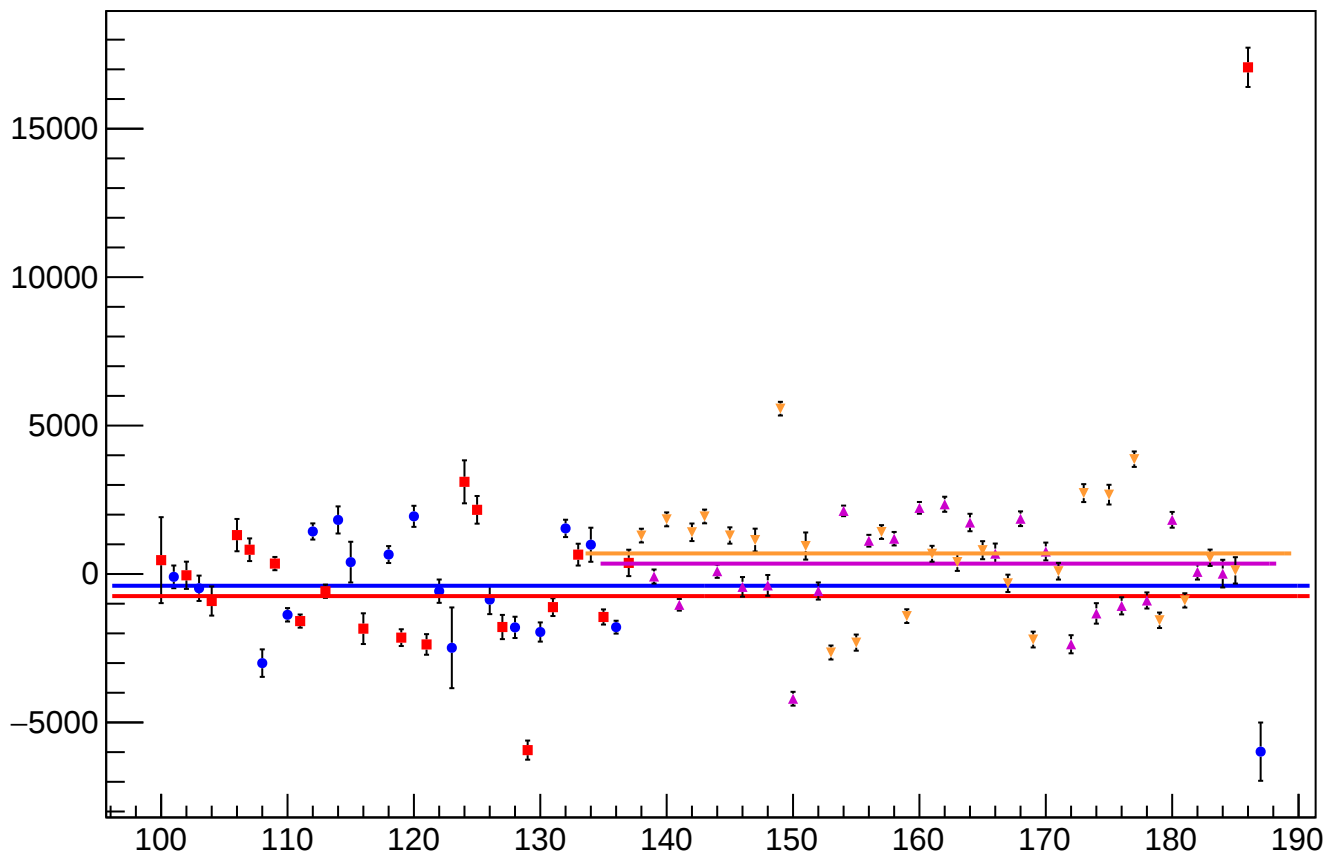
Right: 111.647 $\pm$ 0.022 χ^2 /NDF: 2460722.0/37

In: 136.532 $\pm$ 0.021 χ^2 /NDF:3712256.2/40

Out: 133.322 $\pm$ 0.020 χ^2 /NDF:3909932.9/44

All: 134.831 $\pm$ 0.014 χ^2 /NDF: 7634866.9/85

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -395.888 ± 83.709 $\chi^2/\text{NDF}: 343.2/17$

Left Out: 692.998 ± 54.303 $\chi^2/\text{NDF}: 1422.0/24$

Right Out: -744.115 ± 77.124 $\chi^2/\text{NDF}: 1211.1/19$

Left In: 349.623 ± 53.094 $\chi^2/\text{NDF}: 981.0/22$

Left: 517.444 ± 37.963 $\chi^2/\text{NDF}: 2423.4/47$

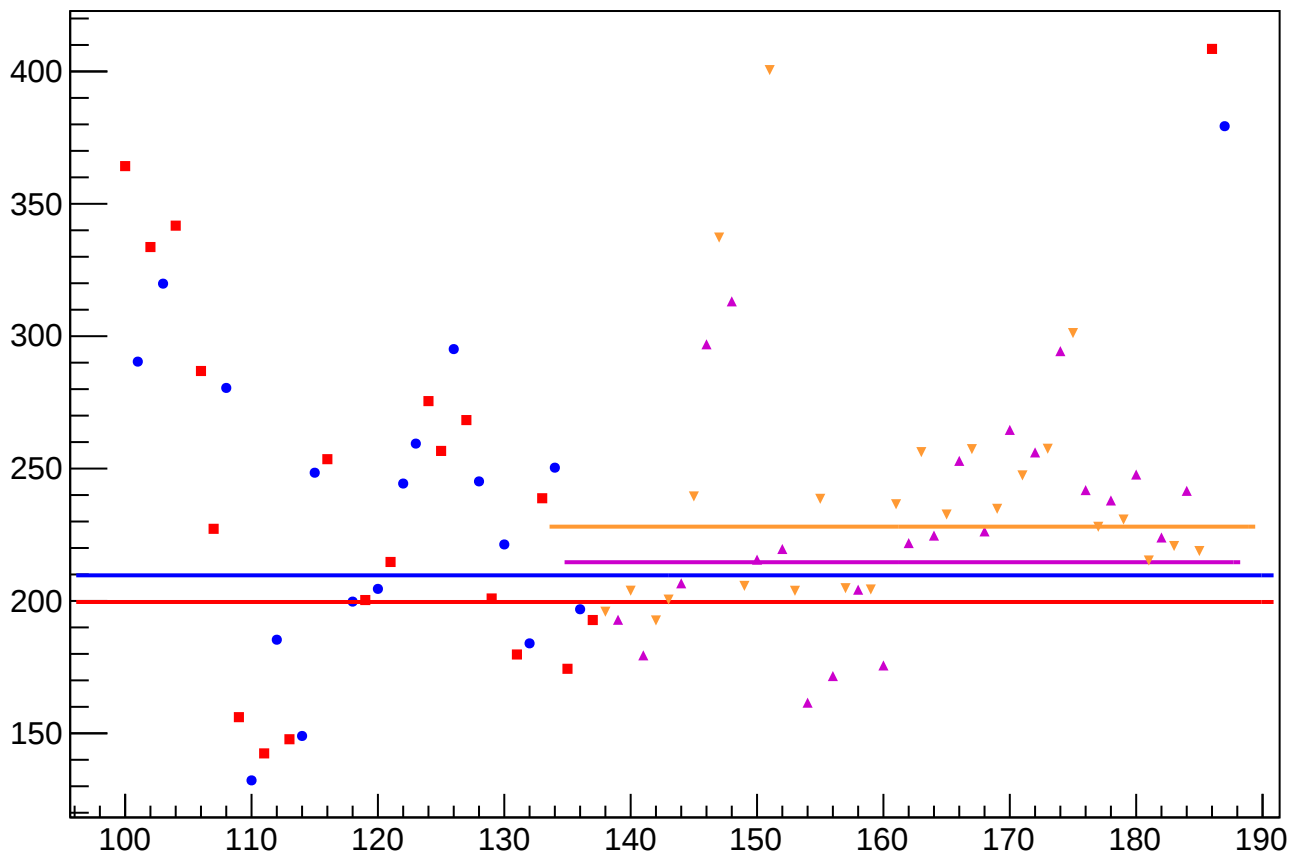
Right: -584.236 ± 56.720 $\chi^2/\text{NDF}: 1563.7/37$

In: 135.749 ± 44.836 $\chi^2/\text{NDF}: 1380.8/40$

Out: 216.675 ± 44.401 $\chi^2/\text{NDF}: 2865.3/44$

All: 176.606 ± 31.549 $\chi^2/\text{NDF}: 4247.7/85$

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 209.672 $\pm$ 0.059 χ^2/NDF : 757152.6/17

Left Out: 228.061 $\pm$ 0.038 χ^2/NDF : 826343.8/24

Right Out: 199.605 $\pm$ 0.055 χ^2/NDF : 1127364.9/19

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

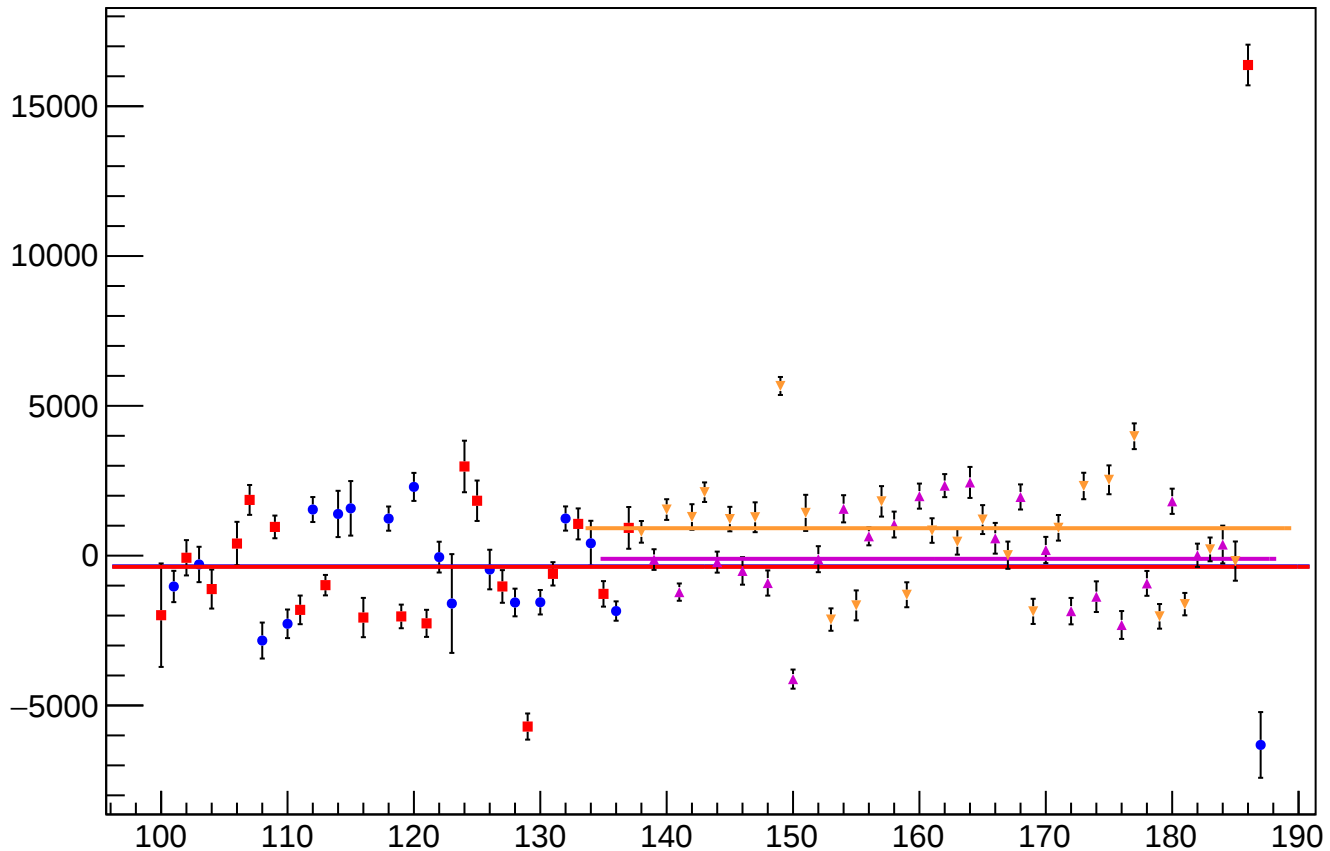
Right: 204.227 $\pm$ 0.040 χ^2/NDF : 1900163.7/37

In: 213.206 $\pm$ 0.032 χ^2/NDF : 1787832.5/40

Out: 218.629 $\pm$ 0.031 χ^2/NDF : 2135733.0/44

All: 215.944 $\pm$ 0.022 χ^2/NDF : 3938341.2/85

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -356.367 ± 120.824 $\chi^2/\text{NDF}: 196.8/17$

Left Out: 915.968 ± 83.398 $\chi^2/\text{NDF}: 618.3/24$

Right Out: -373.461 ± 113.711 $\chi^2/\text{NDF}: 891.6/19$

Left In: -106.116 ± 84.393 $\chi^2/\text{NDF}: 390.3/22$

Left: 410.985 ± 59.320 $\chi^2/\text{NDF}: 1082.8/47$

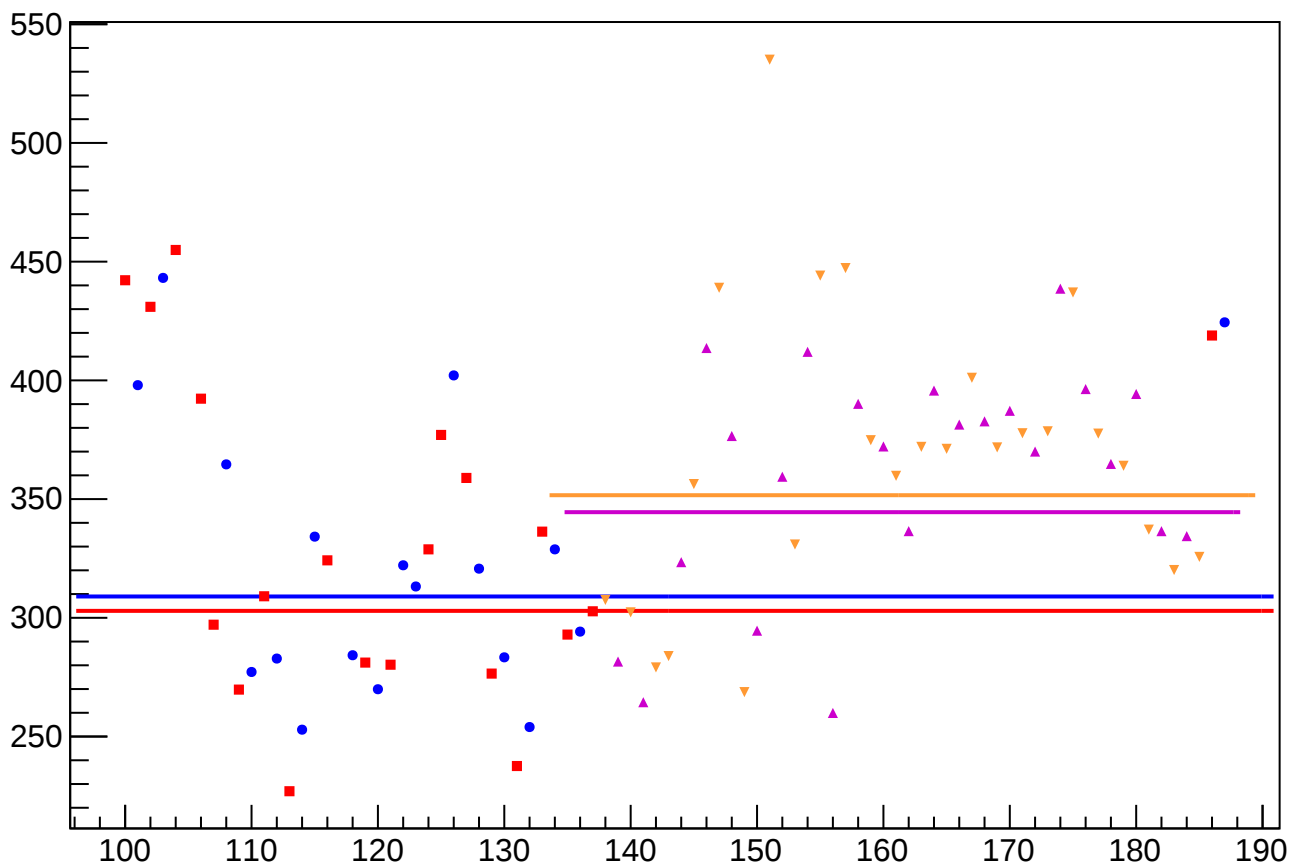
Right: -365.432 ± 82.806 $\chi^2/\text{NDF}: 1088.4/37$

In: -188.173 ± 69.187 $\chi^2/\text{NDF}: 590.0/40$

Out: 464.969 ± 67.250 $\chi^2/\text{NDF}: 1593.5/44$

All: 147.669 ± 48.223 $\chi^2/\text{NDF}: 2229.3/85$

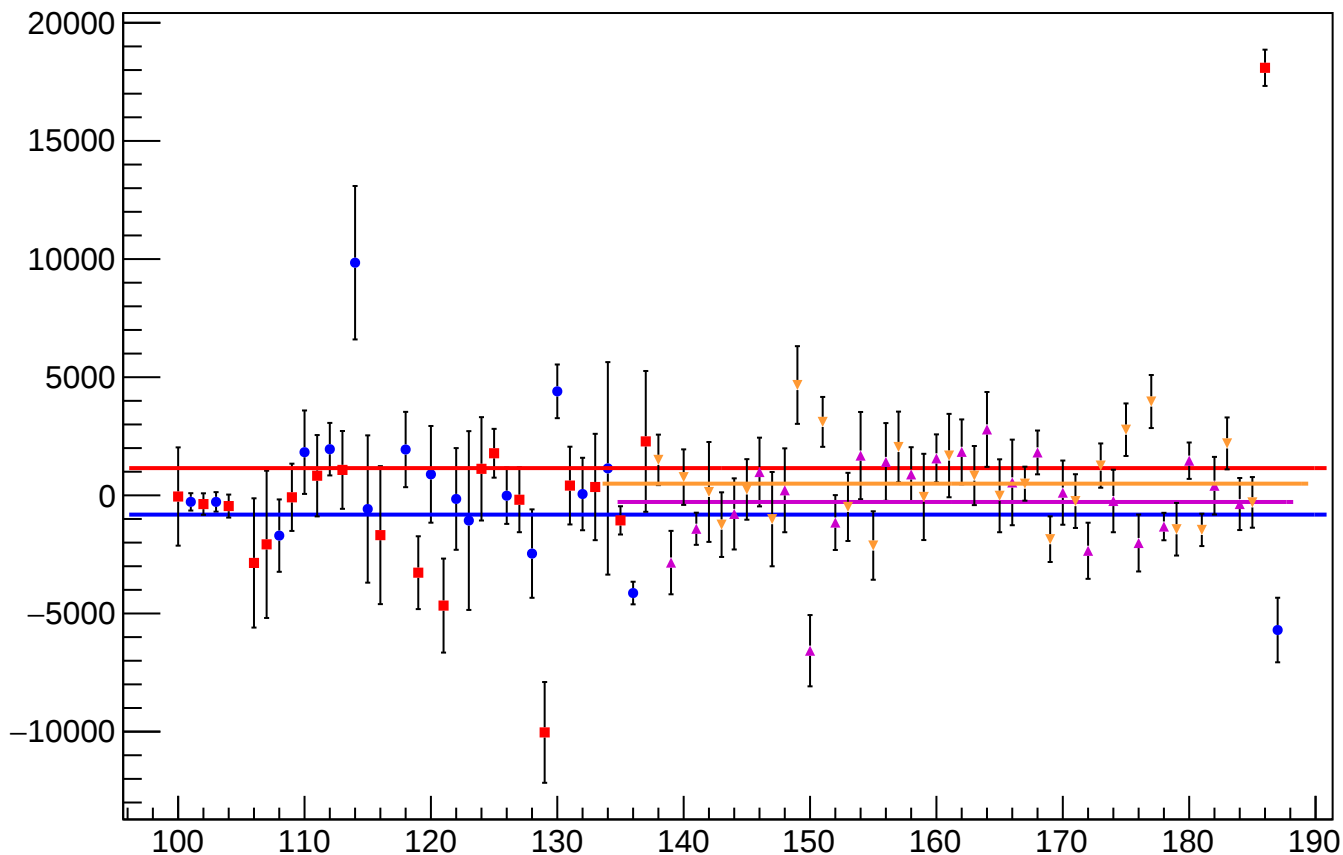
asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 308.984 ± 0.085 $\chi^2/\text{NDF}: 343954.1/17$
 Left Out: 351.633 ± 0.059 $\chi^2/\text{NDF}: 907849.3/24$
 Right Out: 302.926 ± 0.080 $\chi^2/\text{NDF}: 553623.2/19$
 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: 305.772 ± 0.059 $\chi^2/\text{NDF}: 900243.9/37$
 In: 332.848 ± 0.049 $\chi^2/\text{NDF}: 1228923.6/40$
 Out: 334.597 ± 0.048 $\chi^2/\text{NDF}: 1700075.8/44$
 All: 333.747 ± 0.034 $\chi^2/\text{NDF}: 2929656.3/85$

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -815.349 ± 208.049 $\chi^2/\text{NDF}: 111.0/17$

Left Out: 495.014 ± 231.058 $\chi^2/\text{NDF}: 56.2/24$

Right Out: 1152.766 ± 232.030 $\chi^2/\text{NDF}: 574.4/19$

Left In: -280.692 ± 232.048 $\chi^2/\text{NDF}: 57.2/22$

Left: 108.818 ± 163.732 $\chi^2/\text{NDF}: 119.1/47$

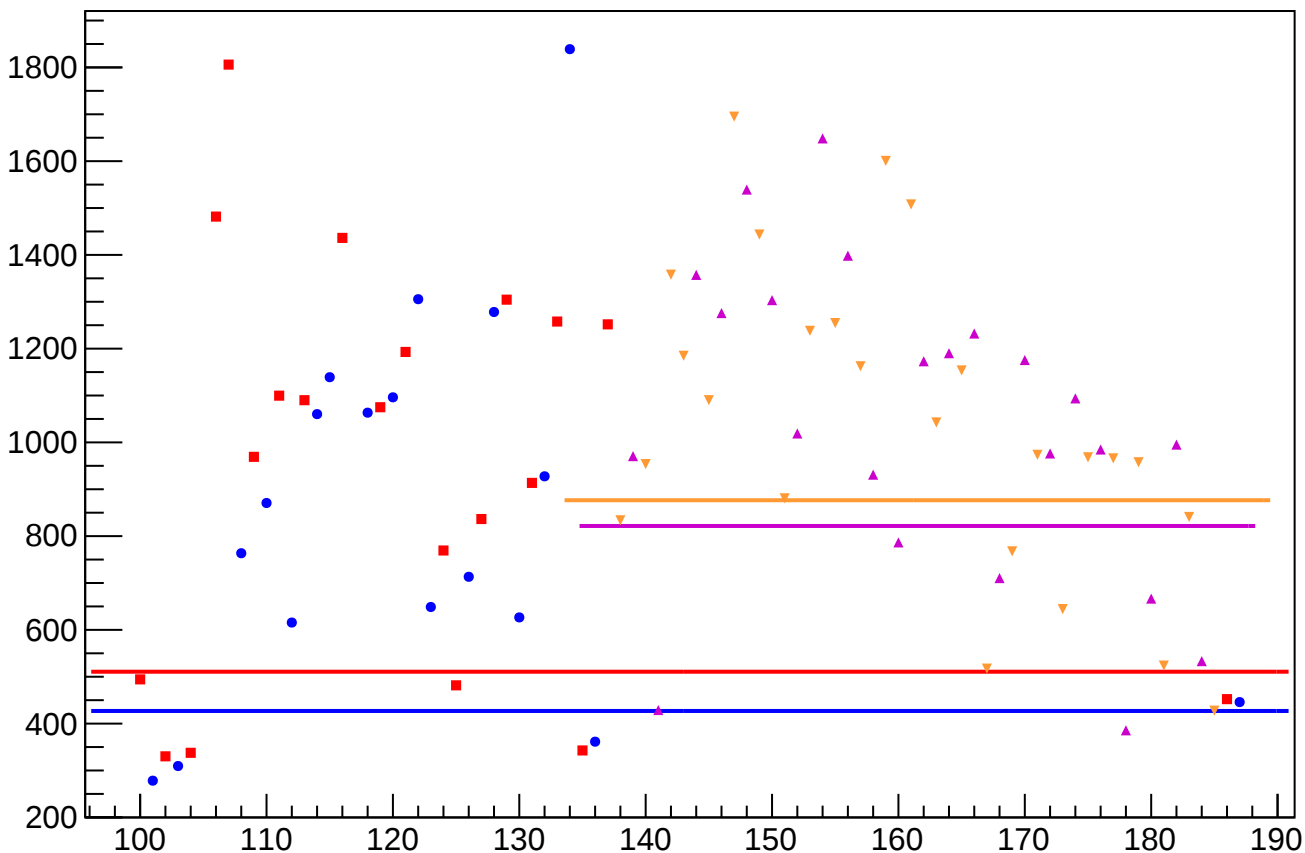
Right: 61.780 ± 154.900 $\chi^2/\text{NDF}: 725.3/37$

In: -577.089 ± 154.905 $\chi^2/\text{NDF}: 171.1/40$

Out: 822.510 ± 163.725 $\chi^2/\text{NDF}: 634.7/44$

All: 83.996 ± 112.523 $\chi^2/\text{NDF}: 844.4/85$

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 426.971 ± 0.147 $\chi^2/\text{NDF}: 2863467.5/17$

Left Out: 876.560 ± 0.163 $\chi^2/\text{NDF}: 3434698.7/24$

Right Out: 510.714 ± 0.164 $\chi^2/\text{NDF}: 3610808.4/19$

Left In: 821.657 ± 0.164 $\chi^2/\text{NDF}: 4443094.2/22$

Left: 849.226 ± 0.116 $\chi^2/\text{NDF}: 7934012.4/47$

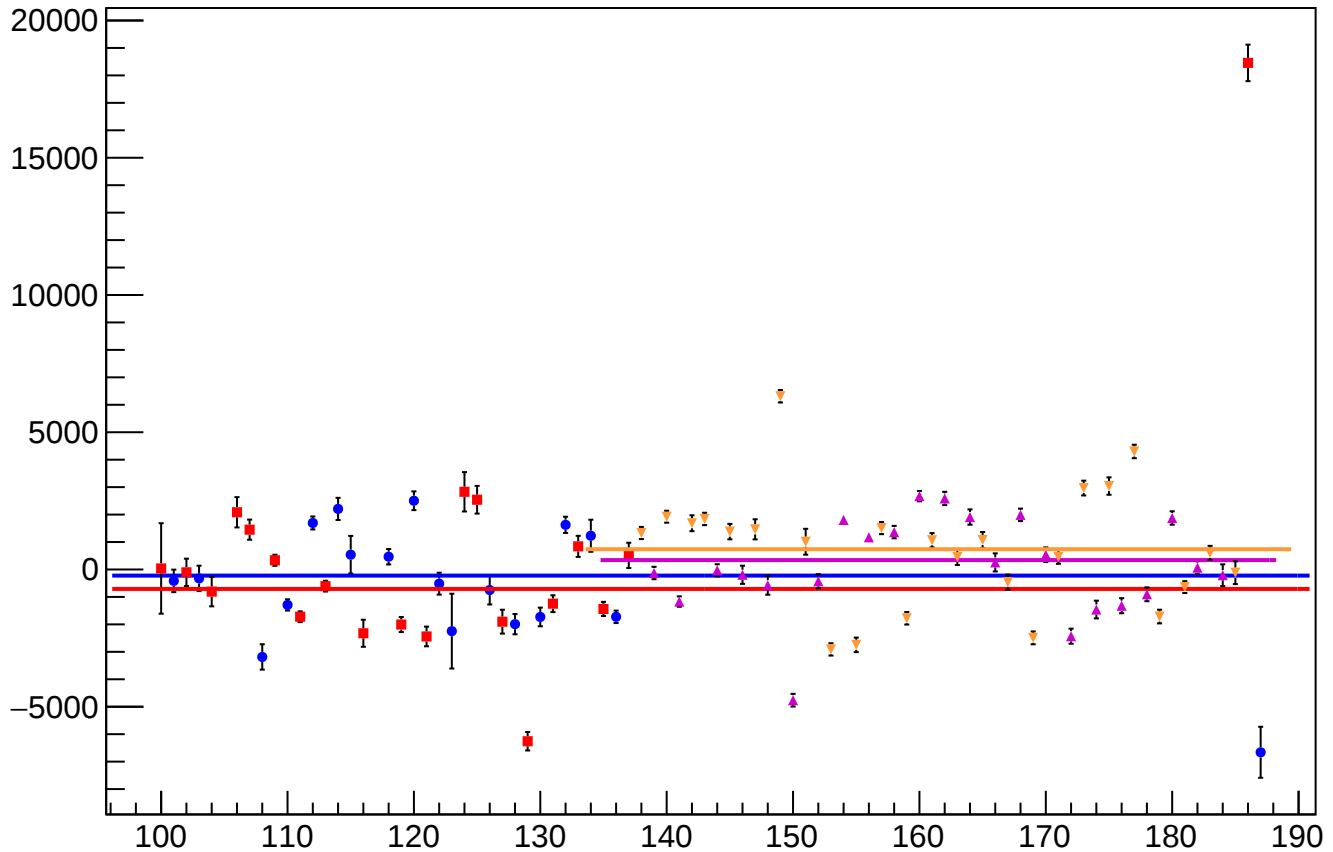
Right: 464.293 ± 0.110 $\chi^2/\text{NDF}: 6618689.4/37$

In: 602.856 ± 0.110 $\chi^2/\text{NDF}: 10514149.7/40$

Out: 694.405 ± 0.116 $\chi^2/\text{NDF}: 9541988.1/44$

All: 646.098 ± 0.080 $\chi^2/\text{NDF}: 20386097.1/83$

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -223.313 ± 82.221 $\chi^2/\text{NDF}: 424.9/17$

Left Out: 738.847 ± 51.649 $\chi^2/\text{NDF}: 1935.2/24$

Right Out: -708.658 ± 74.629 $\chi^2/\text{NDF}: 1383.5/19$

Left In: 342.465 ± 50.044 $\chi^2/\text{NDF}: 1254.9/22$

Left: 534.403 ± 35.941 $\chi^2/\text{NDF}: 3220.5/47$

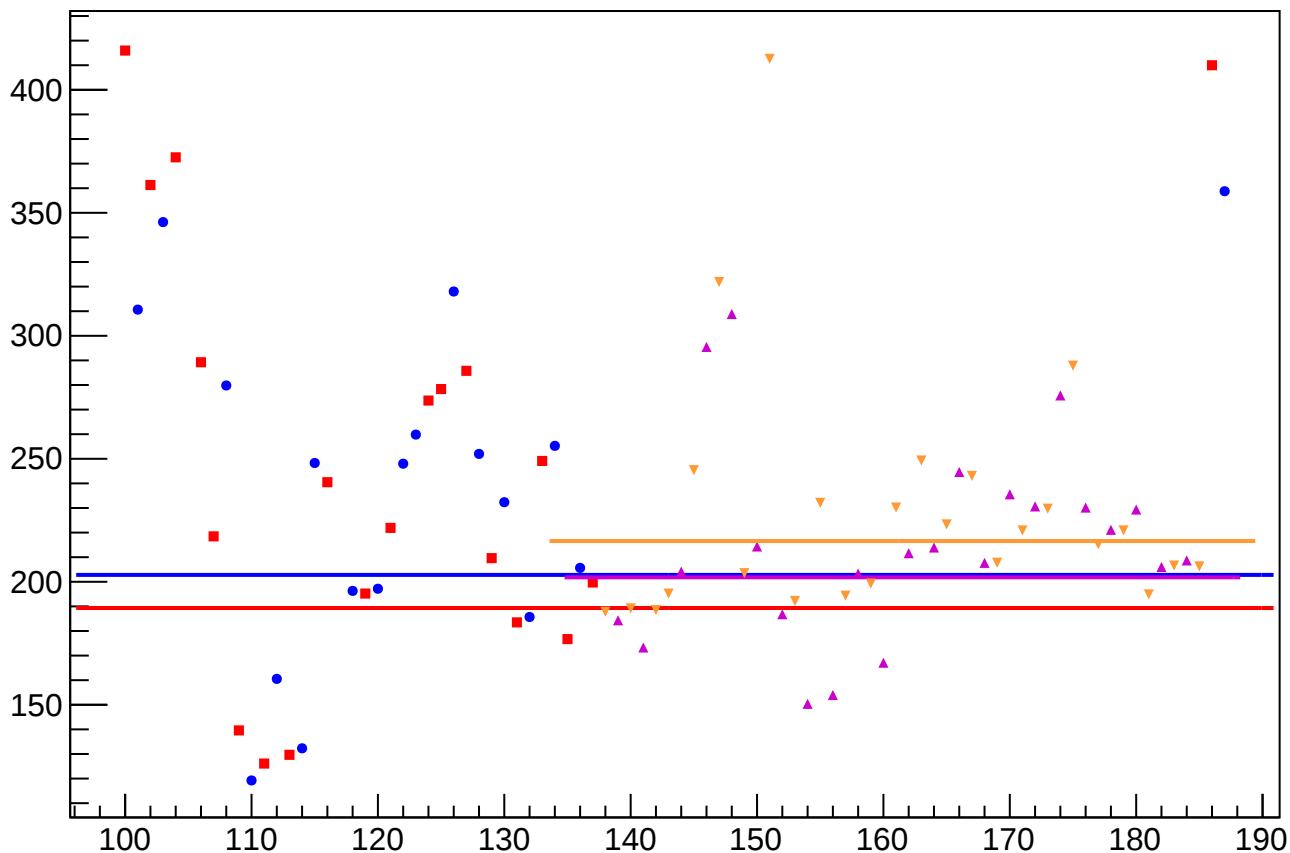
Right: -489.422 ± 55.260 $\chi^2/\text{NDF}: 1827.5/37$

In: 189.523 ± 42.748 $\chi^2/\text{NDF}: 1714.3/40$

Out: 270.064 ± 42.470 $\chi^2/\text{NDF}: 3573.1/44$

All: 230.057 ± 30.129 $\chi^2/\text{NDF}: 5289.2/85$

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.803 $\pm$ 0.058 χ^2/NDF : 1109125.6/17

Left Out: 216.574 $\pm$ 0.037 χ^2/NDF : 886214.1/24

Right Out: 189.339 $\pm$ 0.053 χ^2/NDF : 1611739.0/19

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

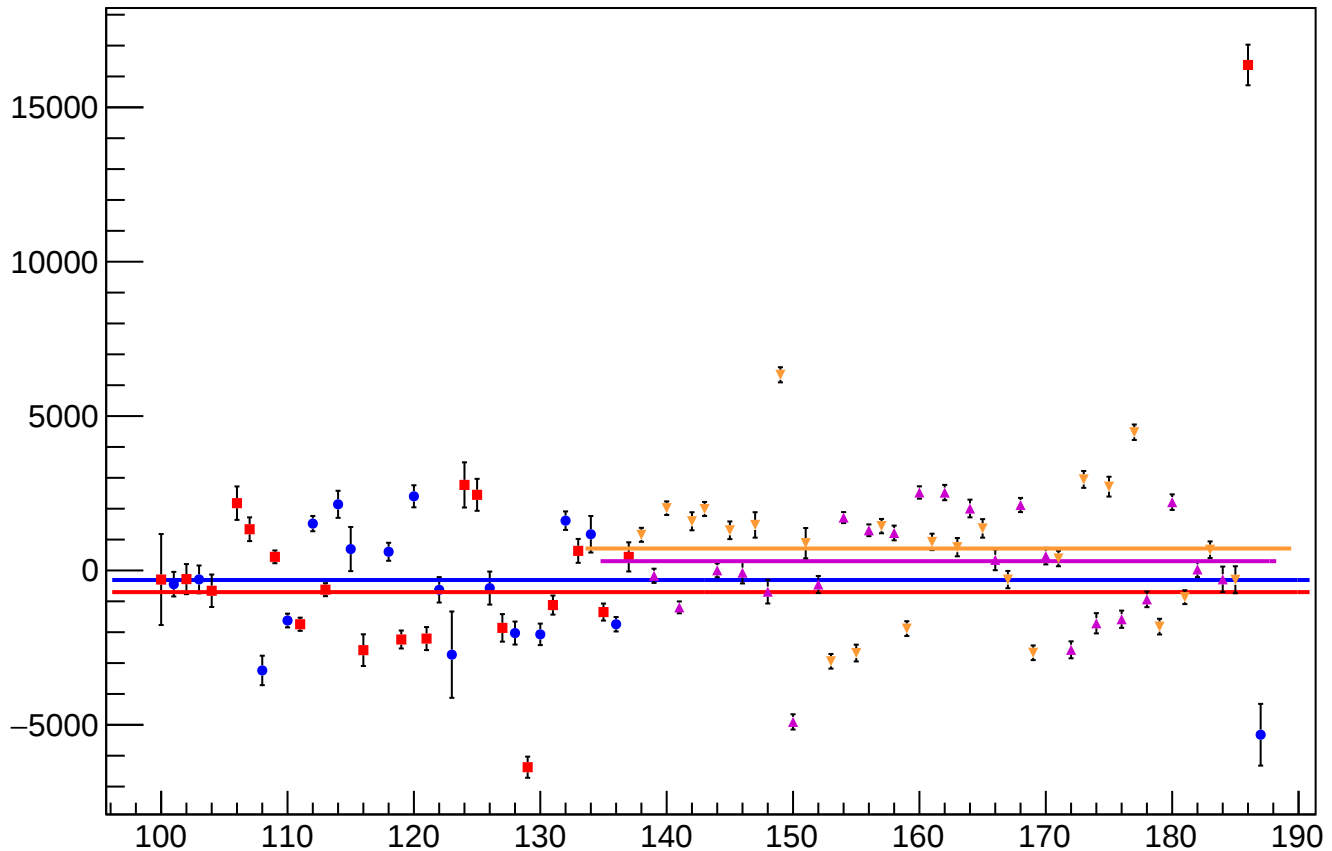
Right: 195.420 $\pm$ 0.039 χ^2/NDF : 2750270.4/37

In: 202.075 $\pm$ 0.030 χ^2/NDF : 2196583.7/40

Out: 207.754 $\pm$ 0.030 χ^2/NDF : 2678059.6/44

All: 204.933 $\pm$ 0.021 χ^2/NDF : 4892405.6/85

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -310.037 ± 85.318 $\chi^2/\text{NDF}: 388.1/17$

Left Out: 711.174 ± 53.245 $\chi^2/\text{NDF}: 1835.3/24$

Right Out: -701.475 ± 77.847 $\chi^2/\text{NDF}: 1208.6/19$

Left In: 300.516 ± 51.984 $\chi^2/\text{NDF}: 1208.6/22$

Left: 500.925 ± 37.196 $\chi^2/\text{NDF}: 3074.4/47$

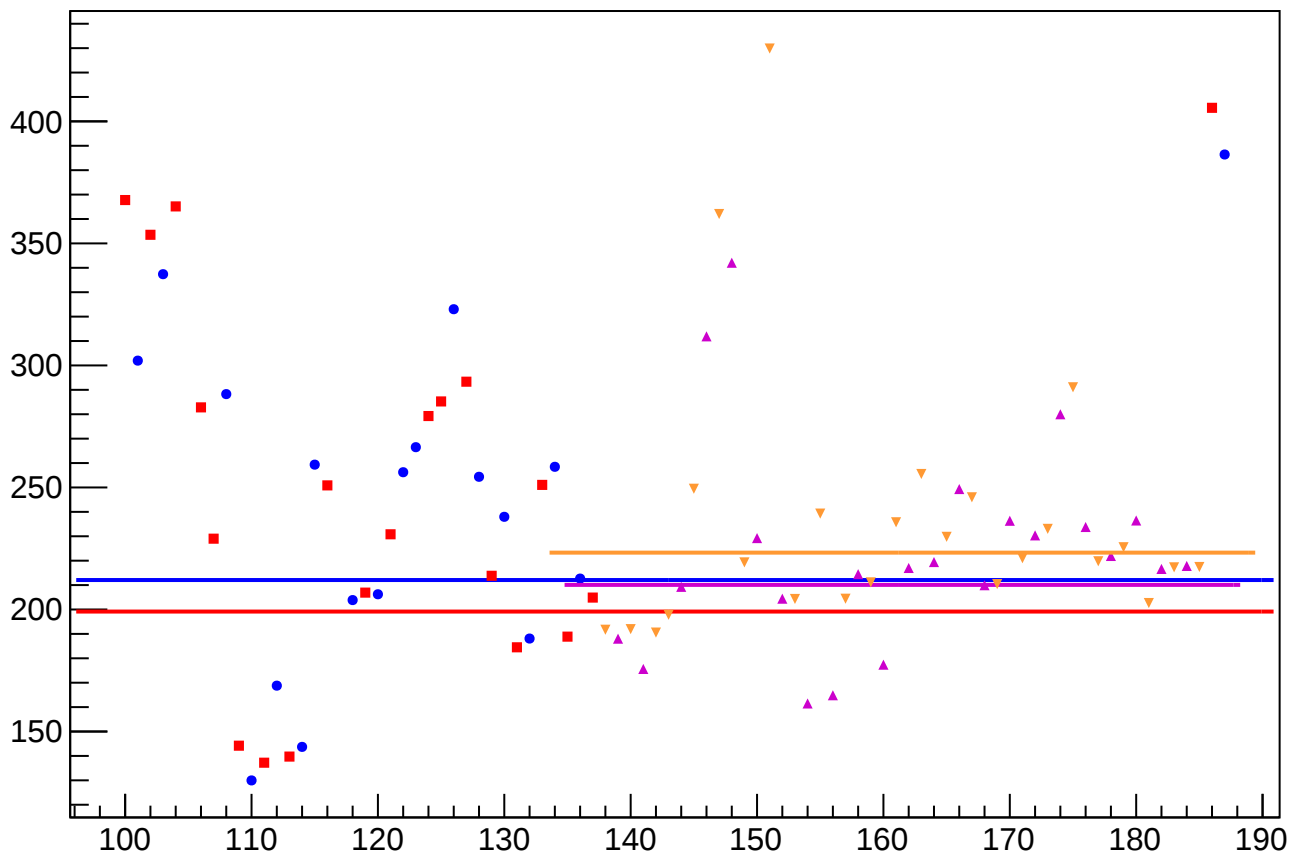
Right: -523.641 ± 57.506 $\chi^2/\text{NDF}: 1608.2/37$

In: 135.219 ± 44.393 $\chi^2/\text{NDF}: 1634.0/40$

Out: 260.942 ± 43.948 $\chi^2/\text{NDF}: 3268.3/44$

All: 198.712 ± 31.232 $\chi^2/\text{NDF}: 4906.4/85$

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 212.069 $\pm$ 0.060 χ^2/NDF : 934358.2/17

Left Out: 223.296 $\pm$ 0.038 χ^2/NDF : 922768.4/24

Right Out: 199.152 $\pm$ 0.055 χ^2/NDF : 1401581.9/19

Left In: 210.080 $\pm$ 0.037 χ^2/NDF : 1015274.5/22

Left: 216.530 $\pm$ 0.026 χ^2/NDF : 2001132.1/47

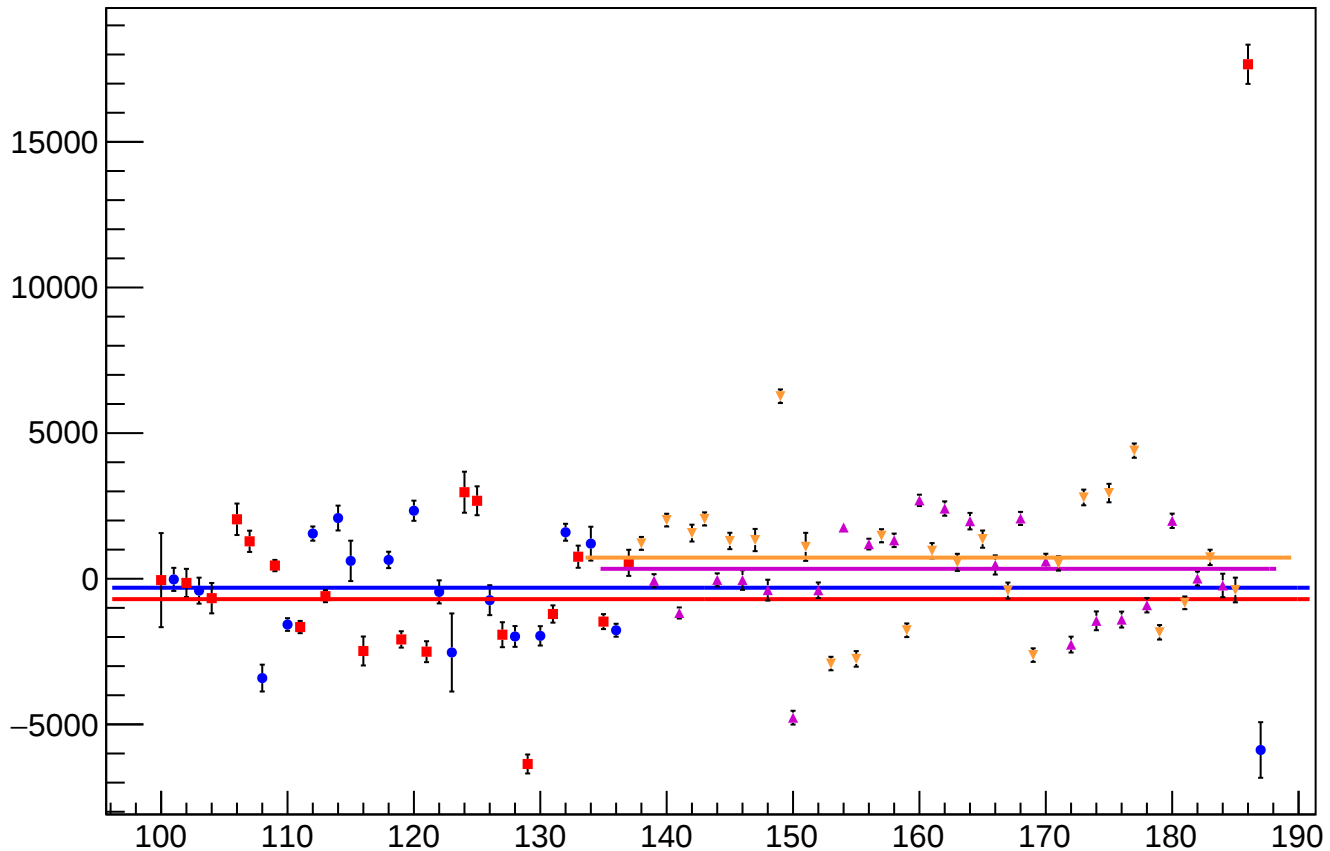
Right: 205.020 $\pm$ 0.041 χ^2/NDF : 2360958.0/37

In: 210.619 $\pm$ 0.031 χ^2/NDF : 1950425.8/40

Out: 215.601 $\pm$ 0.031 χ^2/NDF : 2455421.4/44

All: 213.135 $\pm$ 0.022 χ^2/NDF : 4418571.7/85

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -308.768 ± 82.685 $\chi^2/\text{NDF}: 417.7/17$

Left Out: 725.866 ± 52.158 $\chi^2/\text{NDF}: 1912.7/24$

Right Out: -700.526 ± 75.000 $\chi^2/\text{NDF}: 1337.5/19$

Left In: 340.502 ± 50.802 $\chi^2/\text{NDF}: 1201.8/22$

Left: 528.110 ± 36.393 $\chi^2/\text{NDF}: 3142.6/47$

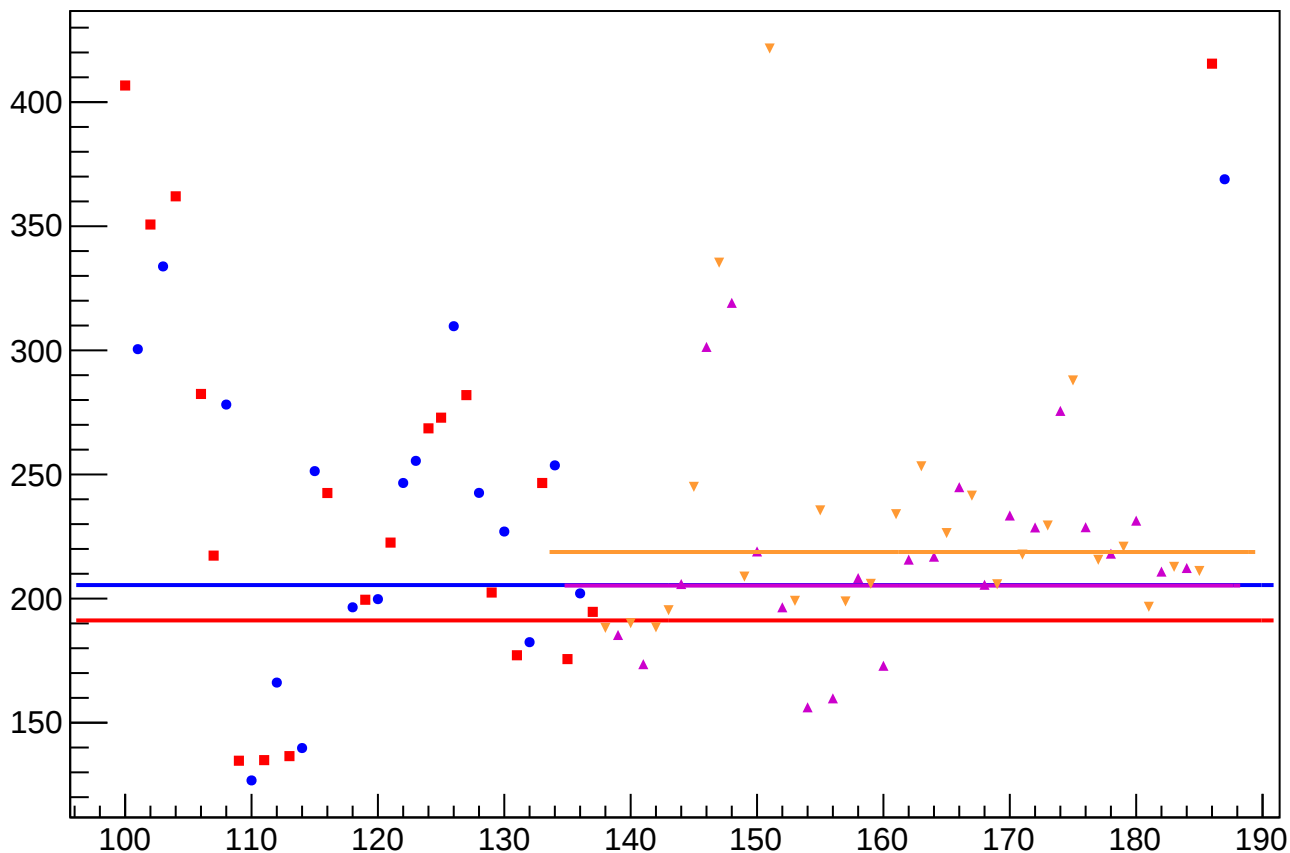
Right: -523.696 ± 55.552 $\chi^2/\text{NDF}: 1767.5/37$

In: 162.572 ± 43.285 $\chi^2/\text{NDF}: 1664.3/40$

Out: 260.883 ± 42.821 $\chi^2/\text{NDF}: 3494.0/44$

All: 212.257 ± 30.442 $\chi^2/\text{NDF}: 5160.9/85$

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.447 $\pm$ 0.058 χ^2/NDF : 925184.8/17

Left Out: 218.768 $\pm$ 0.037 χ^2/NDF : 896914.5/24

Right Out: 191.202 $\pm$ 0.053 χ^2/NDF : 1472429.0/19

Left In: 205.249 $\pm$ 0.036 χ^2/NDF : 997168.8/22

Left: 211.831 $\pm$ 0.026 χ^2/NDF : 1963037.5/47

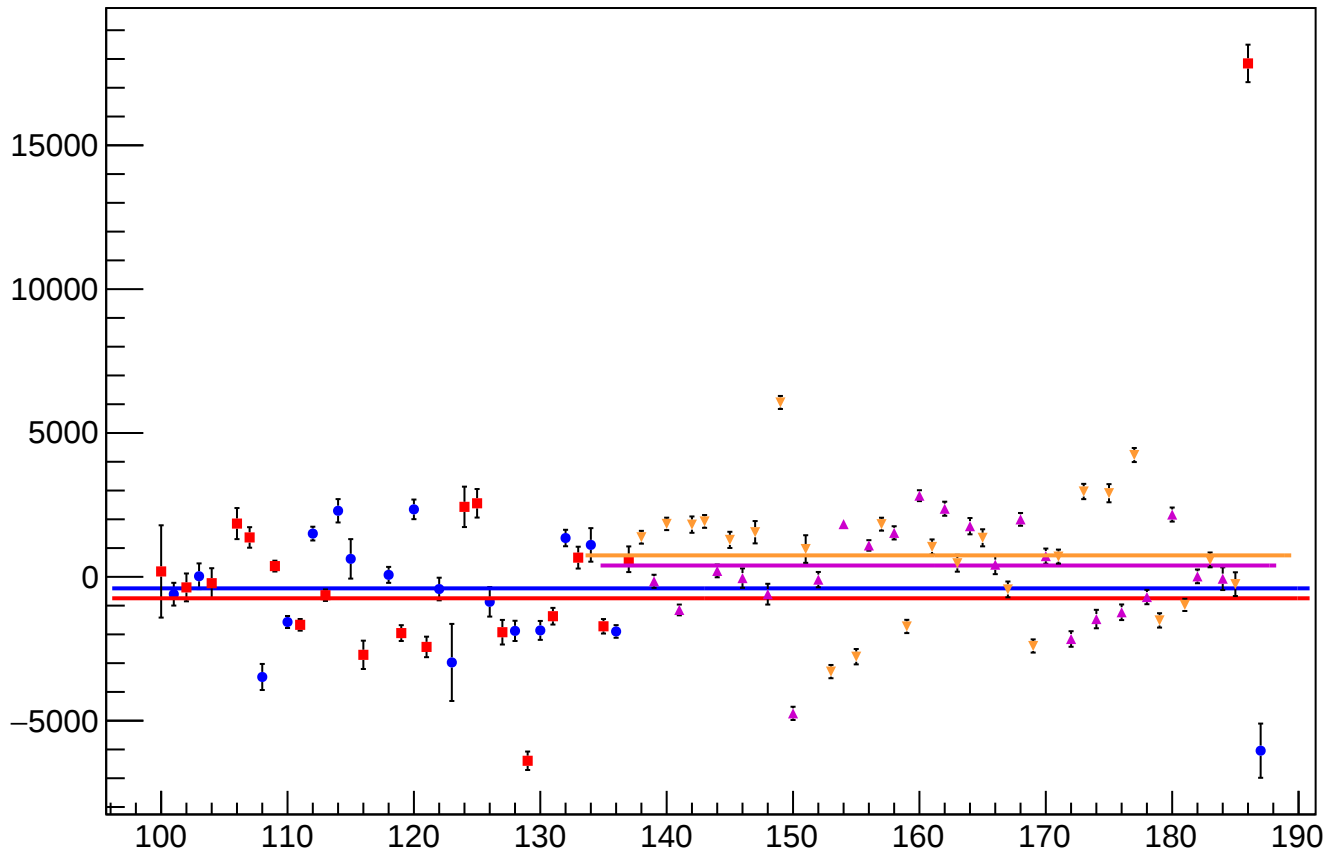
Right: 197.631 $\pm$ 0.039 χ^2/NDF : 2430180.7/37

In: 205.303 $\pm$ 0.031 χ^2/NDF : 1922361.9/40

Out: 209.782 $\pm$ 0.030 χ^2/NDF : 2551462.7/44

All: 207.567 $\pm$ 0.022 χ^2/NDF : 4484646.9/85

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -400.046 ± 81.214 $\chi^2/\text{NDF}: 424.4/17$

Left Out: 746.405 ± 51.592 $\chi^2/\text{NDF}: 1942.1/24$

Right Out: -745.366 ± 73.381 $\chi^2/\text{NDF}: 1413.3/19$

Left In: 394.379 ± 50.311 $\chi^2/\text{NDF}: 1236.4/22$

Left: 565.969 ± 36.020 $\chi^2/\text{NDF}: 3202.4/47$

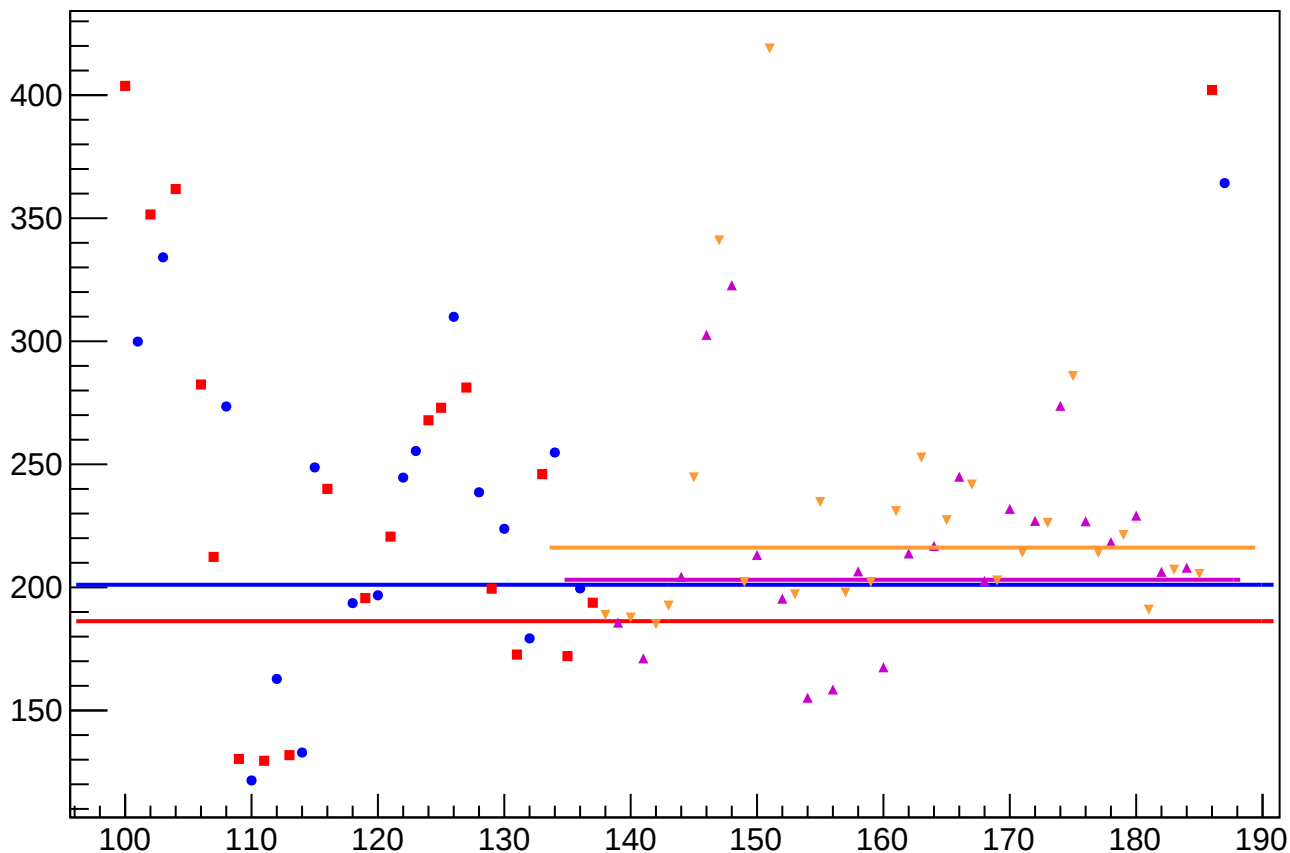
Right: -590.157 ± 54.447 $\chi^2/\text{NDF}: 1847.6/37$

In: 174.055 ± 42.769 $\chi^2/\text{NDF}: 1729.9/40$

Out: 252.941 ± 42.205 $\chi^2/\text{NDF}: 3632.0/44$

All: 214.022 ± 30.041 $\chi^2/\text{NDF}: 5363.6/85$

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 201.068 $\pm$ 0.057 χ^2/NDF : 1001231.4/17

Left Out: 216.178 $\pm$ 0.036 χ^2/NDF : 946050.8/24

Right Out: 186.287 $\pm$ 0.052 χ^2/NDF : 1568249.2/19

Left In: 203.101 $\pm$ 0.036 χ^2/NDF : 1038013.0/22

Left: 209.475 $\pm$ 0.025 χ^2/NDF : 2049926.5/47

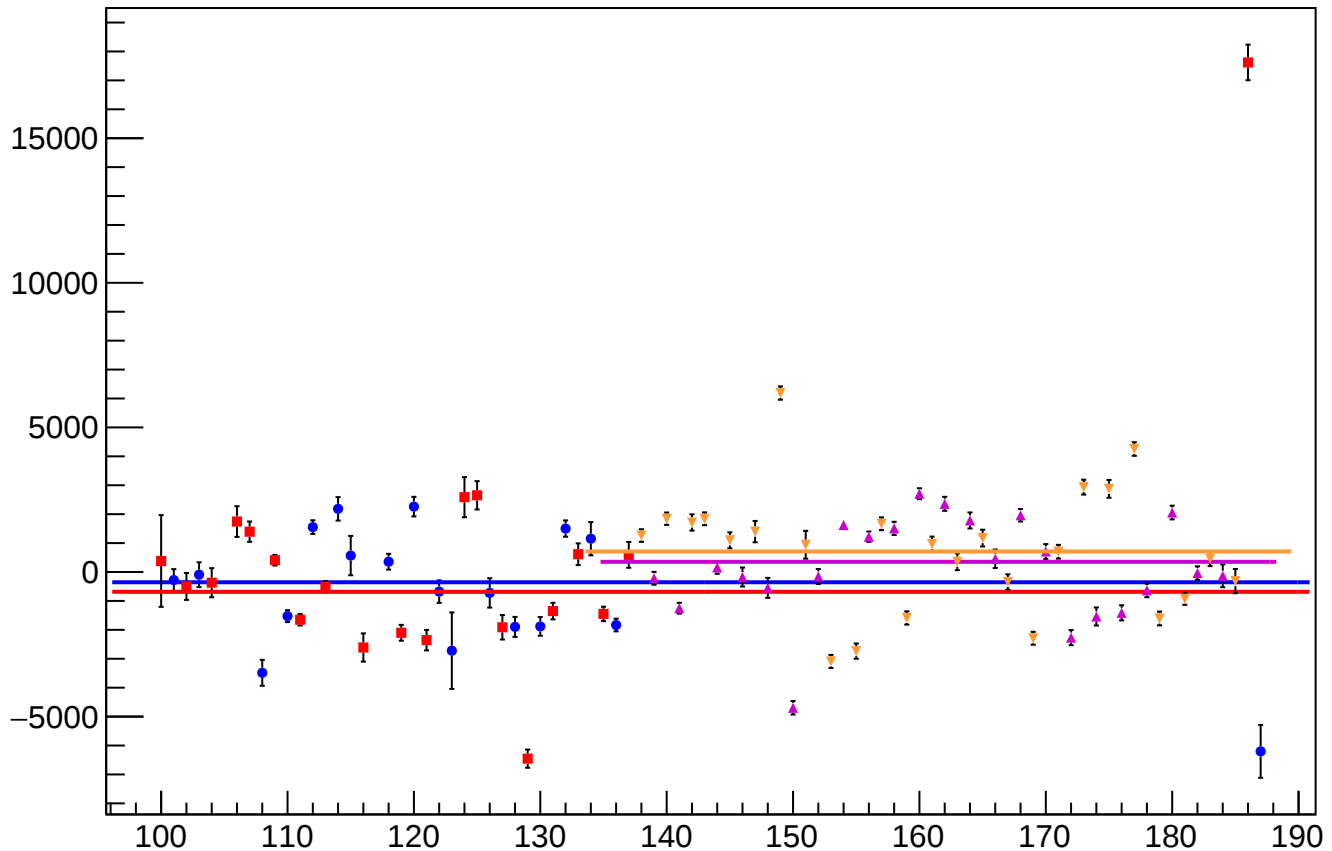
Right: 192.931 $\pm$ 0.039 χ^2/NDF : 2605953.6/37

In: 202.537 $\pm$ 0.030 χ^2/NDF : 2040149.5/40

Out: 206.290 $\pm$ 0.030 χ^2/NDF : 2736371.5/44

All: 204.439 $\pm$ 0.021 χ^2/NDF : 4784324.2/85

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -354.657 ± 80.048 $\chi^2/\text{NDF}: 437.7/17$

Left Out: 710.238 ± 50.750 $\chi^2/\text{NDF}: 1932.3/24$

Right Out: -683.927 ± 72.212 $\chi^2/\text{NDF}: 1516.1/19$

Left In: 352.432 ± 49.316 $\chi^2/\text{NDF}: 1233.1/22$

Left: 526.207 ± 35.368 $\chi^2/\text{NDF}: 3190.9/47$

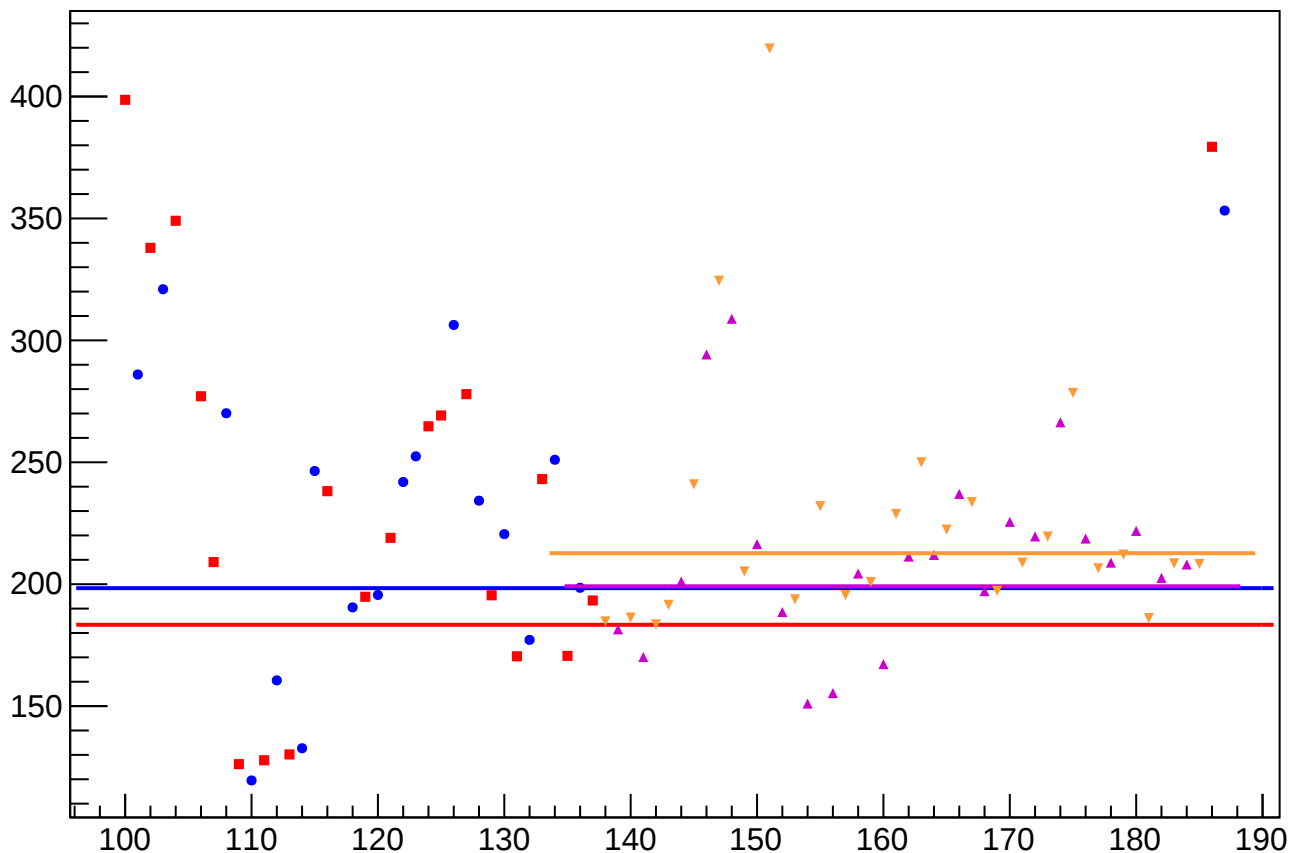
Right: -536.192 ± 53.619 $\chi^2/\text{NDF}: 1963.2/37$

In: 157.891 ± 41.987 $\chi^2/\text{NDF}: 1727.3/40$

Out: 249.299 ± 41.522 $\chi^2/\text{NDF}: 3697.9/44$

All: 204.105 ± 29.524 $\chi^2/\text{NDF}: 5427.7/85$

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.383 ± 0.057 $\chi^2/\text{NDF}: 967823.0/17$

Left Out: 212.718 ± 0.036 $\chi^2/\text{NDF}: 916225.9/24$

Right Out: 183.368 ± 0.051 $\chi^2/\text{NDF}: 1548110.1/19$

Left In: 199.142 ± 0.035 $\chi^2/\text{NDF}: 985932.4/22$

Left: 205.736 ± 0.025 $\chi^2/\text{NDF}: 1975772.3/47$

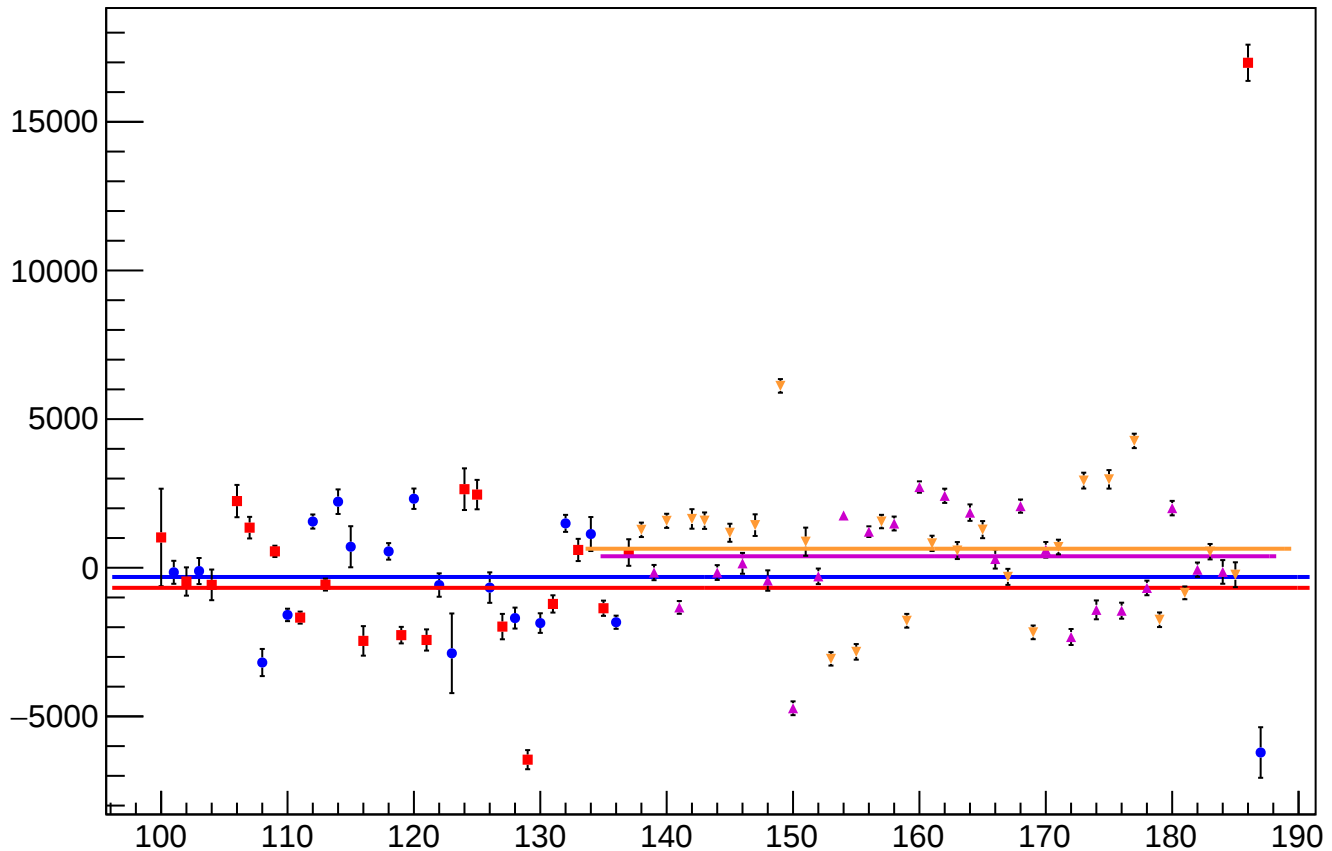
Right: 190.105 ± 0.038 $\chi^2/\text{NDF}: 2554728.0/37$

In: 198.933 ± 0.030 $\chi^2/\text{NDF}: 1953885.8/40$

Out: 203.015 ± 0.029 $\chi^2/\text{NDF}: 2685495.1/44$

All: 200.997 ± 0.021 $\chi^2/\text{NDF}: 4648935.3/85$

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -310.748+/-81.221 χ^2/NDF : 430.5/17

Left Out: 639.995+/-52.708 χ^2/NDF :1859.2/24

Right Out: -675.791+/-73.625 χ^2/NDF : 1461.7/19

Left In: 386.248+/-50.994 χ^2/NDF :1238.0/22

Left: 508.926+/-36.649 χ^2/NDF : 3109.2/47

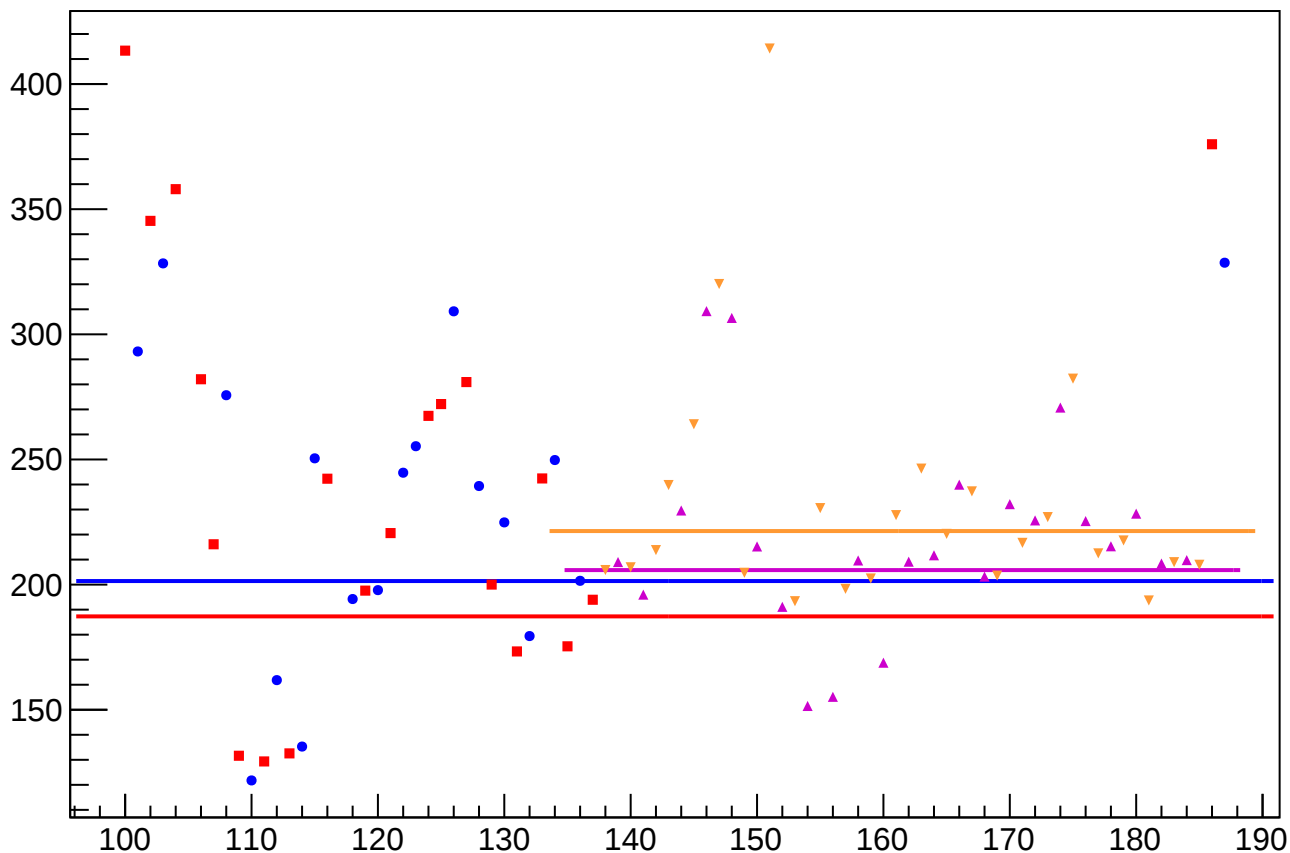
Right: -511.134+/-54.549 χ^2/NDF : 1903.3/37

In: 189.184+/-43.187 χ^2/NDF :1721.3/40

Out: 194.139+/-42.858 χ^2/NDF :3532.1/44

All: 191.681+/-30.421 χ^2/NDF : 5253.4/85

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.426+/-0.057 χ^2/NDF : 961032.4/17

Left Out: 221.398+/-0.037 χ^2/NDF : 777833.8/24

Right Out: 187.305+/-0.052 χ^2/NDF : 1509263.8/19

Left In: 205.803+/-0.036 χ^2/NDF : 994903.5/22

Left: 213.343+/-0.026 χ^2/NDF : 1863169.5/47

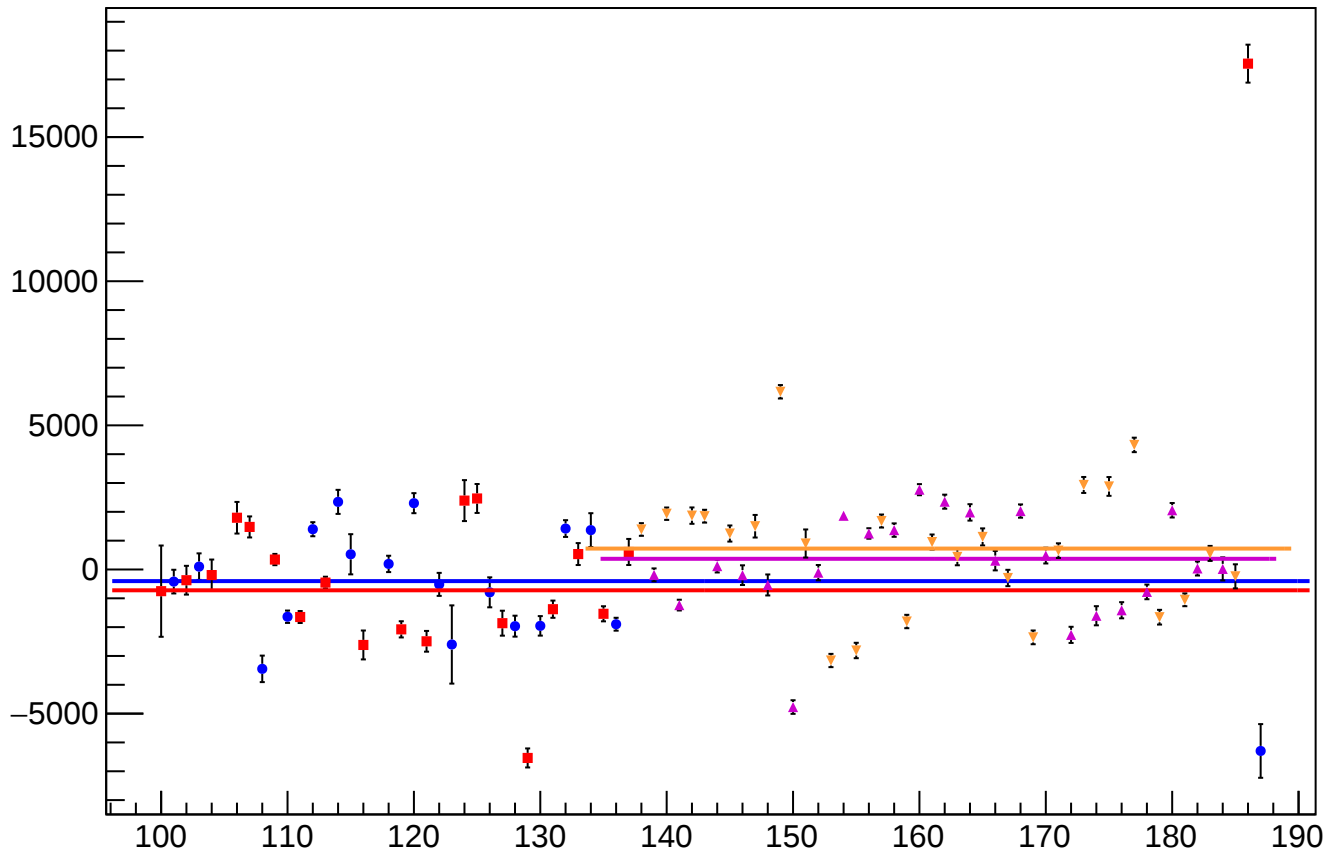
Right: 193.674+/-0.039 χ^2/NDF : 2503483.0/37

In: 204.566+/-0.031 χ^2/NDF : 1960102.7/40

Out: 209.845+/-0.030 χ^2/NDF : 2570642.0/44

All: 207.226+/-0.022 χ^2/NDF : 4545804.9/85

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -403.276+/-82.990 χ^2/NDF : 418.9/17

Left Out: 725.250+/-52.307 χ^2/NDF :1883.1/24

Right Out: -722.111+/-75.217 χ^2/NDF : 1352.7/19

Left In: 370.408+/-50.884 χ^2/NDF :1223.2/22

Left: 542.938+/-36.473 χ^2/NDF : 3129.9/47

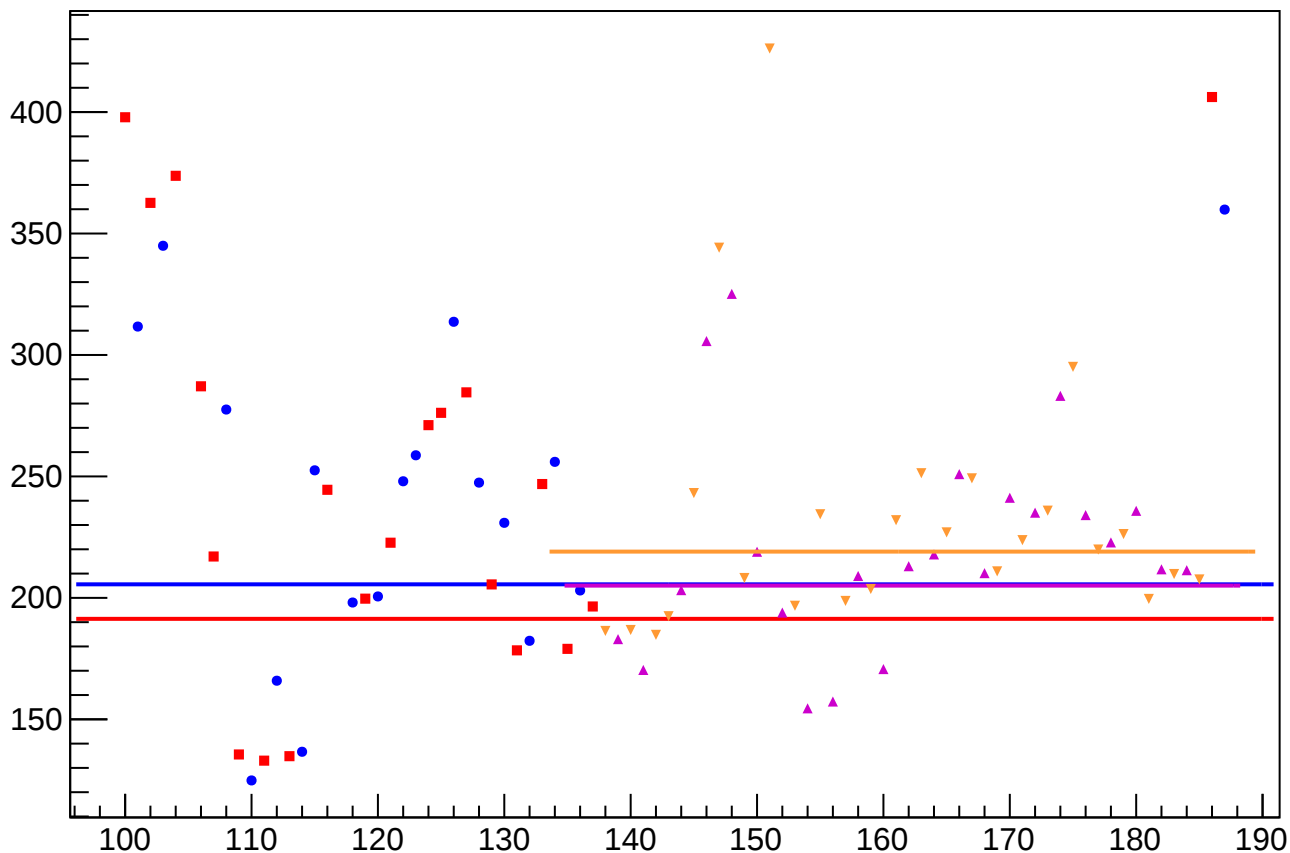
Right: -578.320+/-55.732 χ^2/NDF : 1779.7/37

In: 159.018+/-43.380 χ^2/NDF :1705.2/40

Out: 253.462+/-42.944 χ^2/NDF :3485.4/44

All: 206.717+/-30.519 χ^2/NDF : 5193.0/85

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.577 ± 0.059 $\chi^2/\text{NDF}: 1000238.2/17$

Left Out: 219.049 ± 0.037 $\chi^2/\text{NDF}: 975564.4/24$

Right Out: 191.365 ± 0.053 $\chi^2/\text{NDF}: 1526884.6/19$

Left In: 205.046 ± 0.036 $\chi^2/\text{NDF}: 1144197.1/22$

Left: 211.855 ± 0.026 $\chi^2/\text{NDF}: 2193394.9/47$

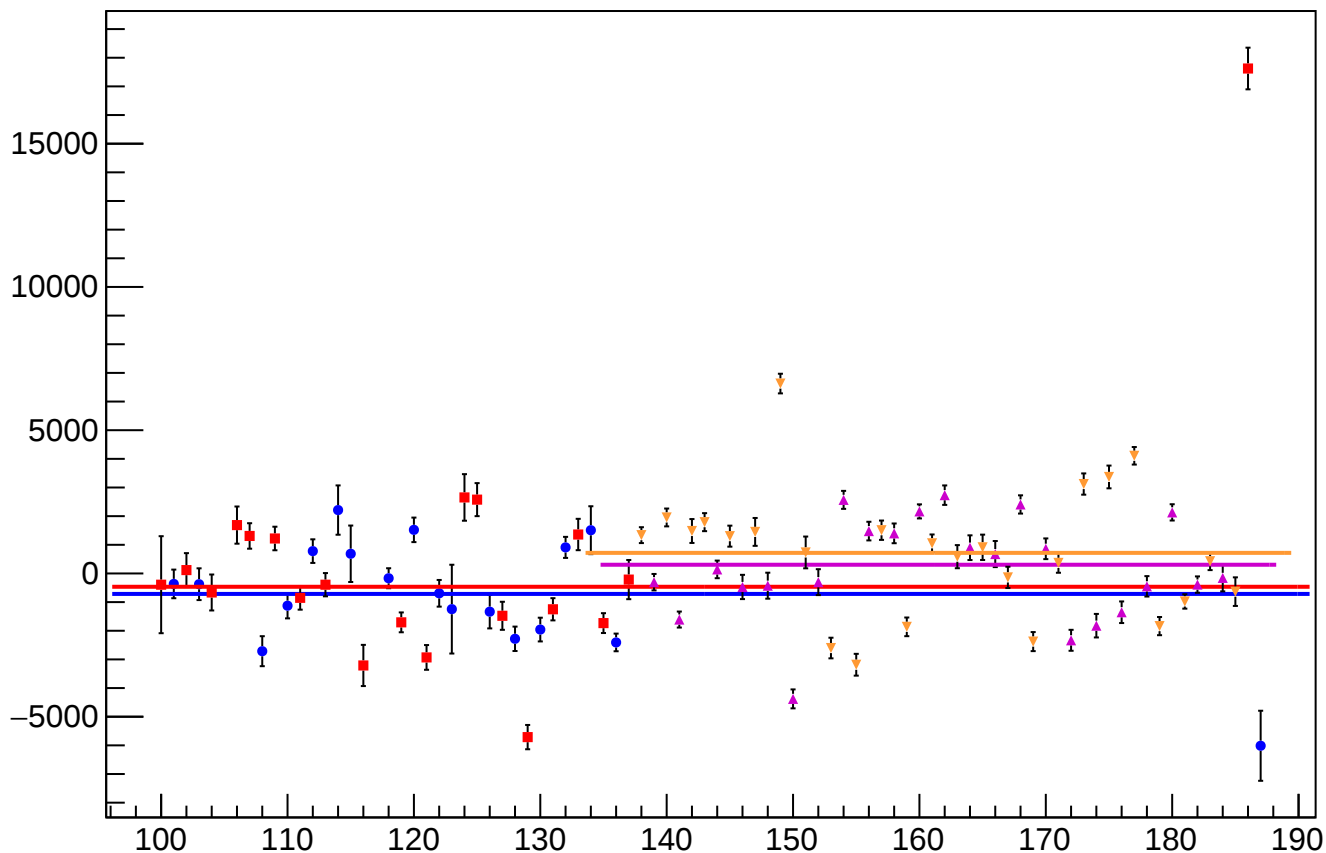
Right: 197.774 ± 0.039 $\chi^2/\text{NDF}: 2559327.1/37$

In: 205.192 ± 0.031 $\chi^2/\text{NDF}: 2144494.8/40$

Out: 210.025 ± 0.030 $\chi^2/\text{NDF}: 2685062.3/44$

All: 207.632 ± 0.022 $\chi^2/\text{NDF}: 4842095.5/85$

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -714.349+/-113.695 χ^2/NDF : 172.3/17

Left Out: 718.705+/-69.601 χ^2/NDF :1018.5/24

Right Out: -464.576+/-109.577 χ^2/NDF : 953.3/19

Left In: 304.161+/-70.958 χ^2/NDF :643.5/22

Left: 515.435+/-49.688 χ^2/NDF : 1679.4/47

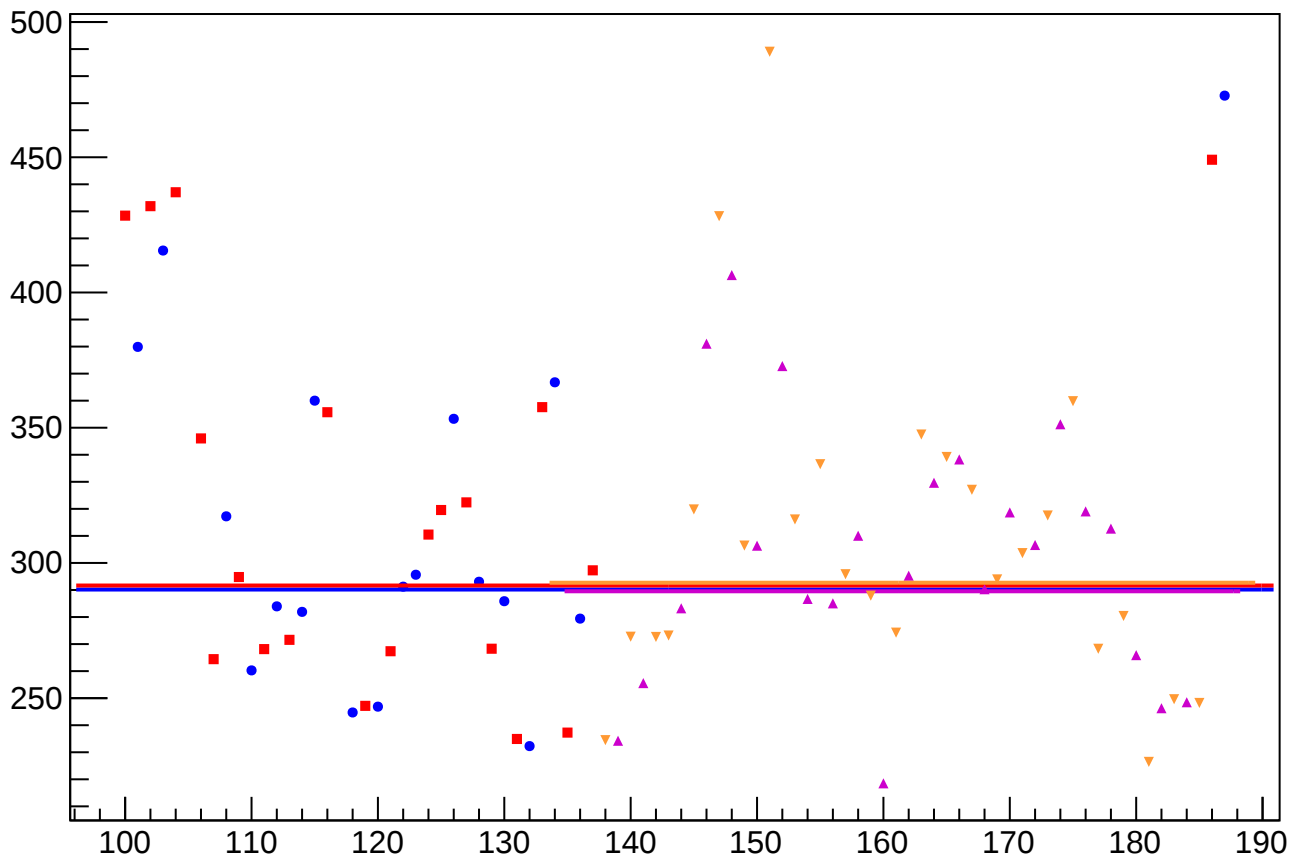
Right: -584.858+/-78.898 χ^2/NDF : 1128.1/37

In: 18.650+/-60.196 χ^2/NDF :873.6/40

Out: 378.549+/-58.751 χ^2/NDF :2054.9/44

All: 202.971+/-42.045 χ^2/NDF : 2946.8/85

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.170+/-0.080 χ^2/NDF : 383802.4/17

Left Out: 292.686+/-0.049 χ^2/NDF : 925193.6/24

Right Out: 291.653+/-0.077 χ^2/NDF : 555880.0/19

Left In: 289.522+/-0.050 χ^2/NDF : 777901.0/22

Left: 291.134+/-0.035 χ^2/NDF : 1705121.5/47

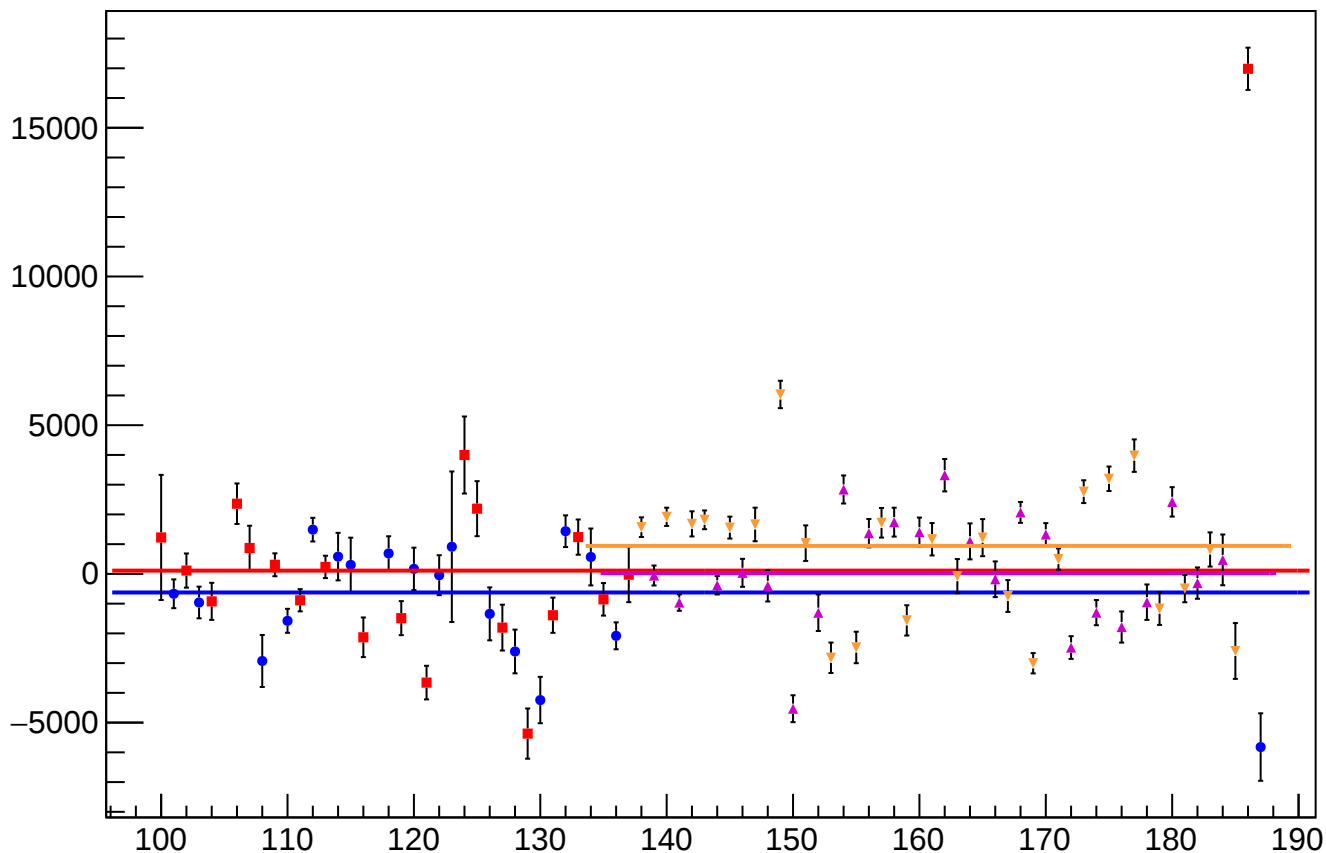
Right: 290.939+/-0.056 χ^2/NDF : 939858.8/37

In: 289.703+/-0.043 χ^2/NDF : 1161750.1/40

Out: 292.389+/-0.042 χ^2/NDF : 1481200.3/44

All: 291.079+/-0.030 χ^2/NDF : 2644989.1/85

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -624.491 ± 146.338 $\chi^2/\text{NDF}: 129.2/17$

Left Out: 941.598 ± 89.119 $\chi^2/\text{NDF}: 544.6/24$

Right Out: 110.149 ± 133.347 $\chi^2/\text{NDF}: 725.9/19$

Left In: 27.763 ± 92.331 $\chi^2/\text{NDF}: 362.5/22$

Left: 500.853 ± 64.122 $\chi^2/\text{NDF}: 957.8/47$

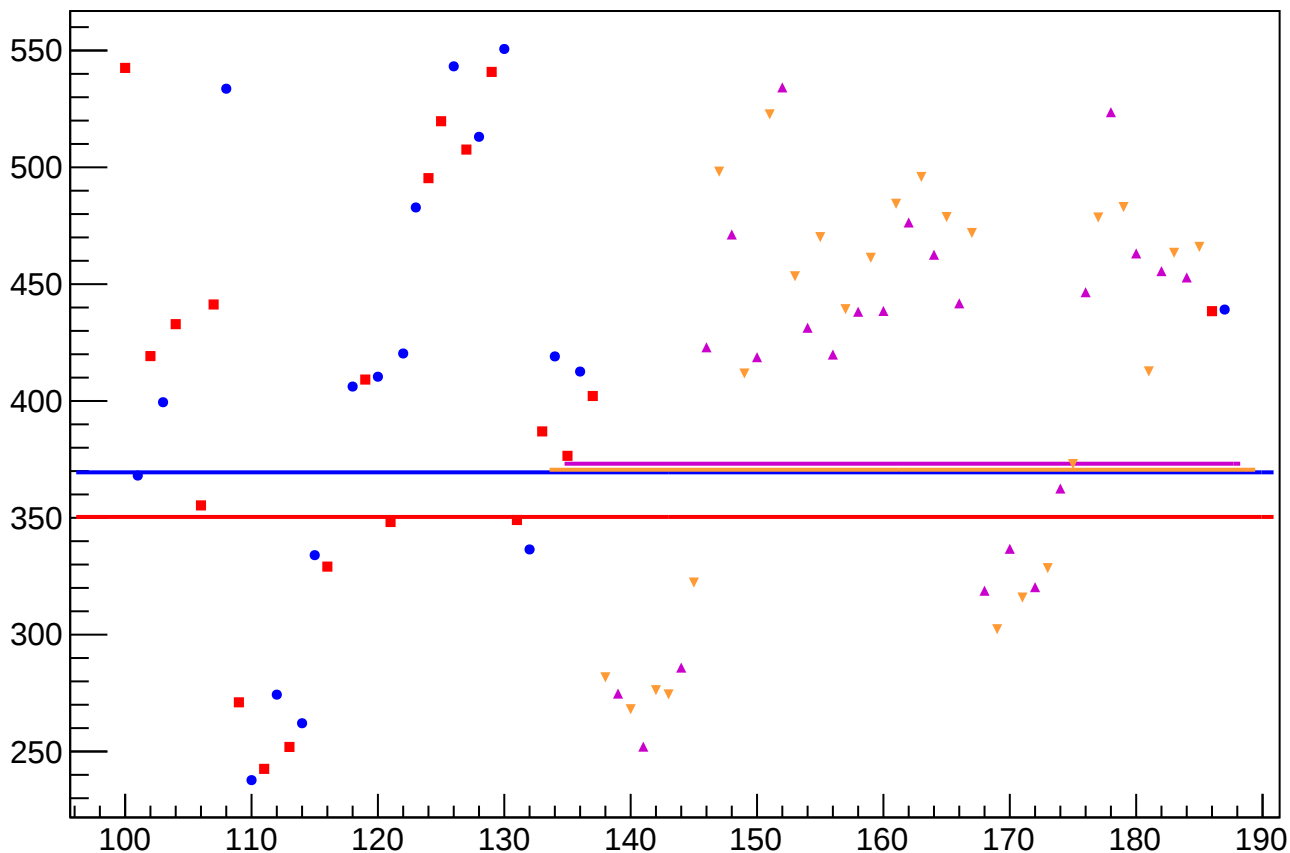
Right: -223.119 ± 98.564 $\chi^2/\text{NDF}: 868.9/37$

In: -157.958 ± 78.087 $\chi^2/\text{NDF}: 506.0/40$

Out: 684.886 ± 74.095 $\chi^2/\text{NDF}: 1297.4/44$

All: 285.562 ± 53.749 $\chi^2/\text{NDF}: 1864.6/85$

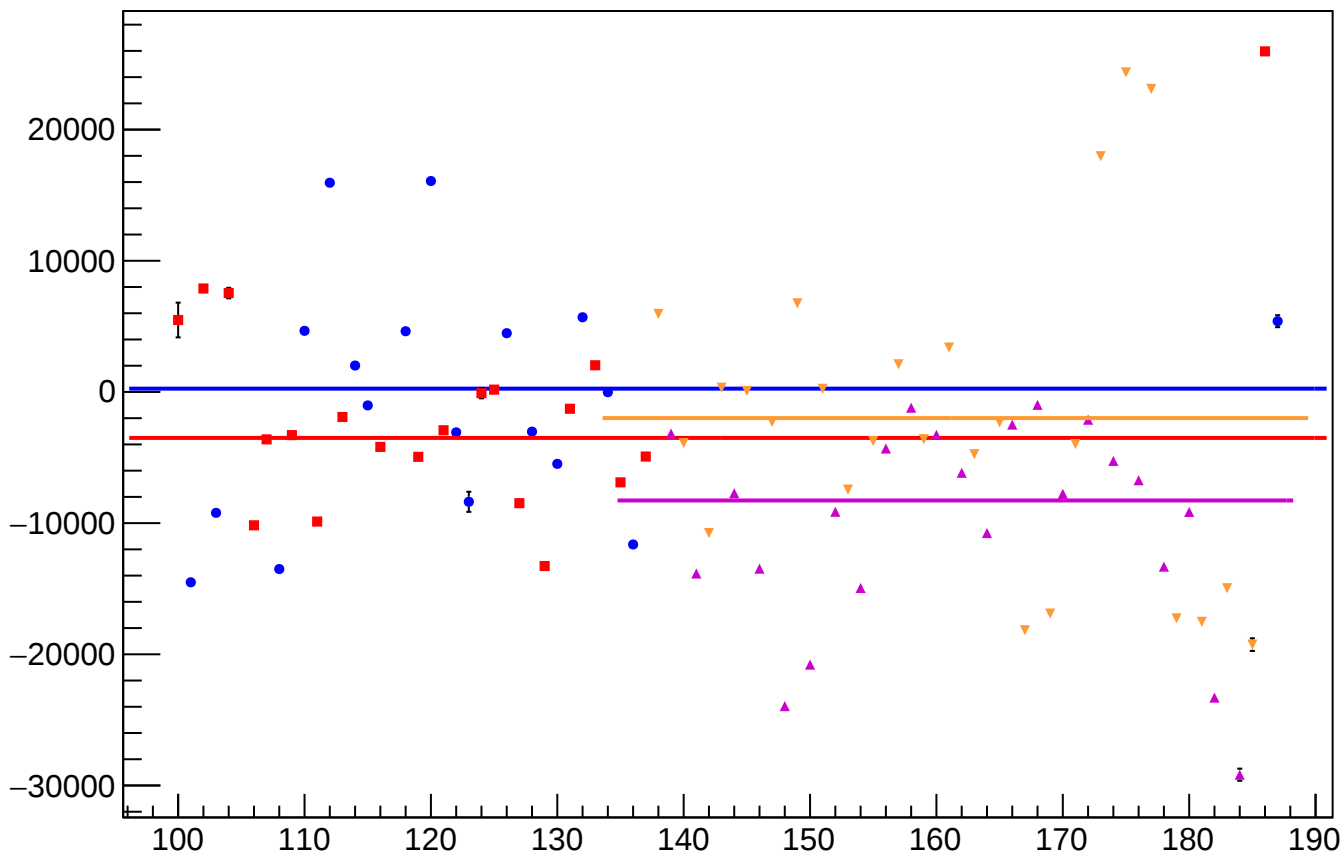
asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 369.466 $\pm$ 0.103 χ^2/NDF : 773086.0/17
 Left Out: 370.580 $\pm$ 0.063 χ^2/NDF : 1878118.9/24
 Right Out: 350.376 $\pm$ 0.094 χ^2/NDF : 848177.8/19
 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: 359.036 $\pm$ 0.070 χ^2/NDF : 1639858.1/37
 In: 372.109 $\pm$ 0.055 χ^2/NDF : 2410242.2/40
 Out: 364.342 $\pm$ 0.052 χ^2/NDF : 2758032.1/44
 All: 368.022 $\pm$ 0.038 χ^2/NDF : 5178686.1/85

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 252.866 $\pm$ 54.505 χ^2/NDF : 30790.4/17

Left Out: -1991.788 $\pm$ 42.427 χ^2/NDF : 63766.6/24

Right Out: -3503.372 $\pm$ 51.555 χ^2/NDF : 18780.9/19

Left In: -8273.228 $\pm$ 44.301 χ^2/NDF : 22870.2/22

Left: -4996.810 $\pm$ 30.641 χ^2/NDF : 97123.2/47

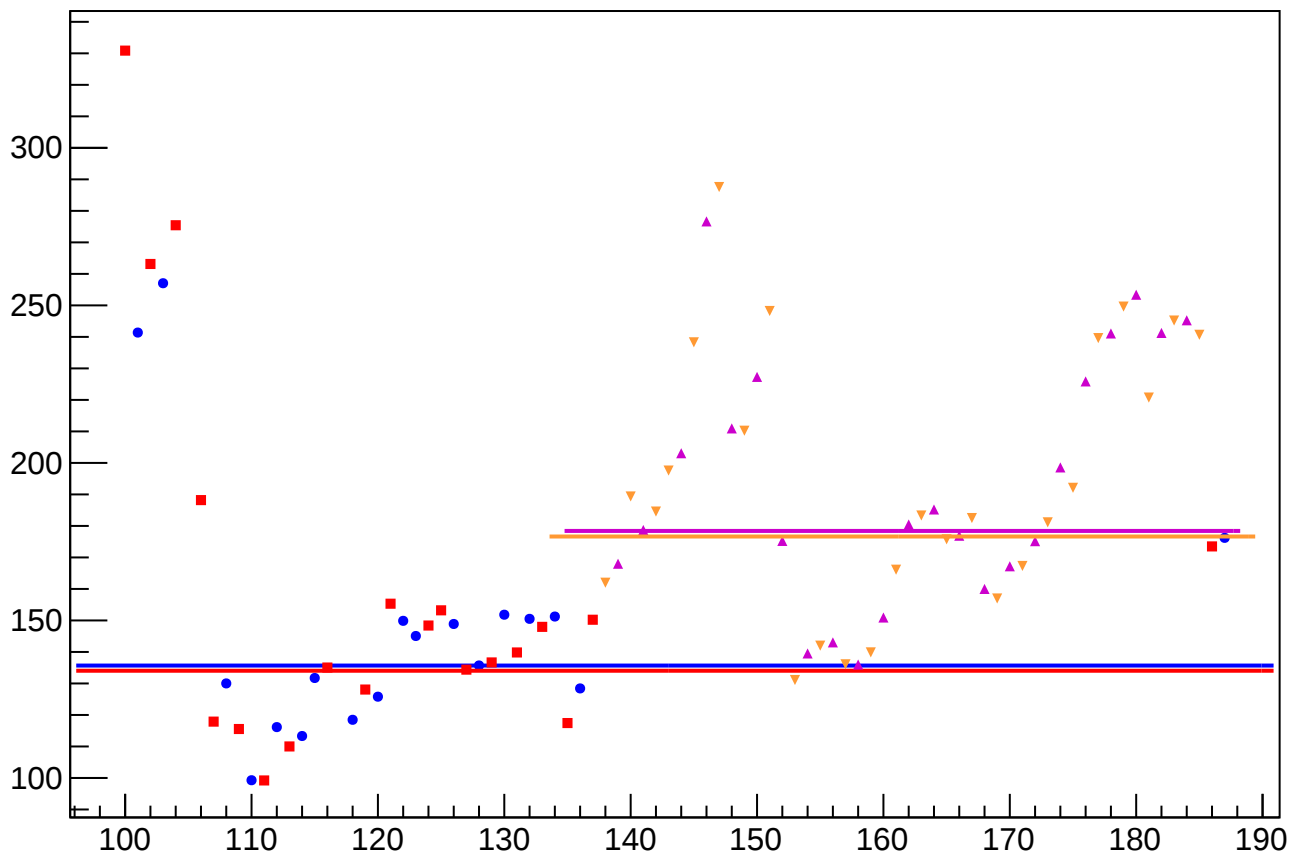
Right: -1729.646 $\pm$ 37.455 χ^2/NDF : 52077.9/37

In: -4881.400 $\pm$ 34.378 χ^2/NDF : 68395.7/40

Out: -2602.131 $\pm$ 32.760 χ^2/NDF : 83060.0/44

All: -3686.871 $\pm$ 23.716 χ^2/NDF : 153759.4/8

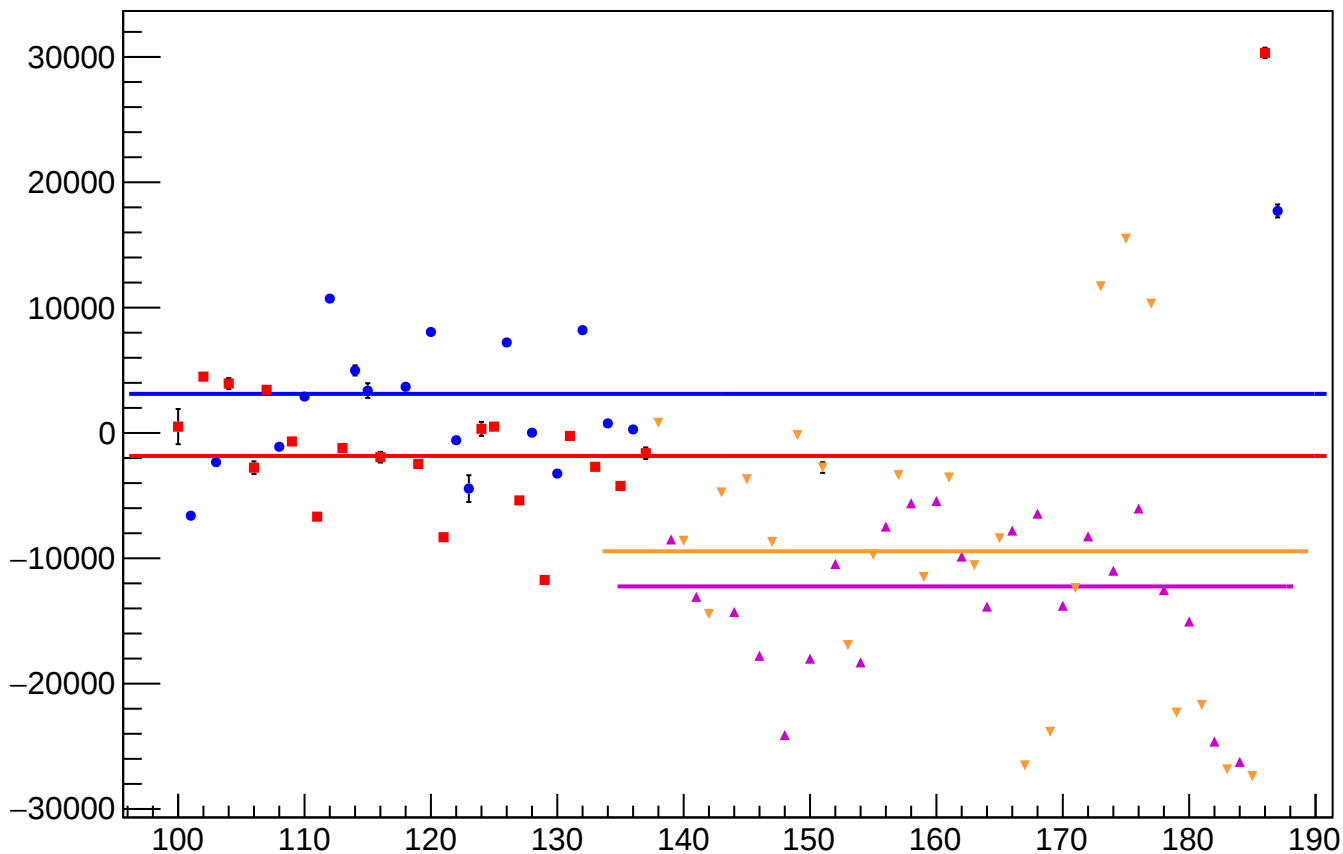
asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 135.683 $\pm$ 0.039 χ^2/NDF : 673595.0/17
 Left Out: 176.641 $\pm$ 0.030 χ^2/NDF :1551048.8/24
 Right Out: 134.038 $\pm$ 0.036 χ^2/NDF : 868914.0/19
 Left In: 178.413 $\pm$ 0.031 χ^2/NDF :1293736.2/22

Left: 177.489 $\pm$ 0.022 χ^2/NDF : 2846455.0/47
 Right: 134.814 $\pm$ 0.026 χ^2/NDF : 1543470.3/37
 In: 161.414 $\pm$ 0.024 χ^2/NDF :2707554.7/40
 Out: 159.439 $\pm$ 0.023 χ^2/NDF :3234241.3/44
 All: 160.379 $\pm$ 0.017 χ^2/NDF : 5945257.8/85

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 3120.005 ± 70.238 $\chi^2/\text{NDF}: 4970.3/17$

Left Out: -9437.408 ± 45.534 $\chi^2/\text{NDF}: 62220.4/24$

Right Out: -1834.858 ± 64.900 $\chi^2/\text{NDF}: 9352.3/19$

Left In: -12242.226 ± 43.944 $\chi^2/\text{NDF}: 16615.8/22$

Left: -10889.638 ± 31.621 $\chi^2/\text{NDF}: 80800.7/47$

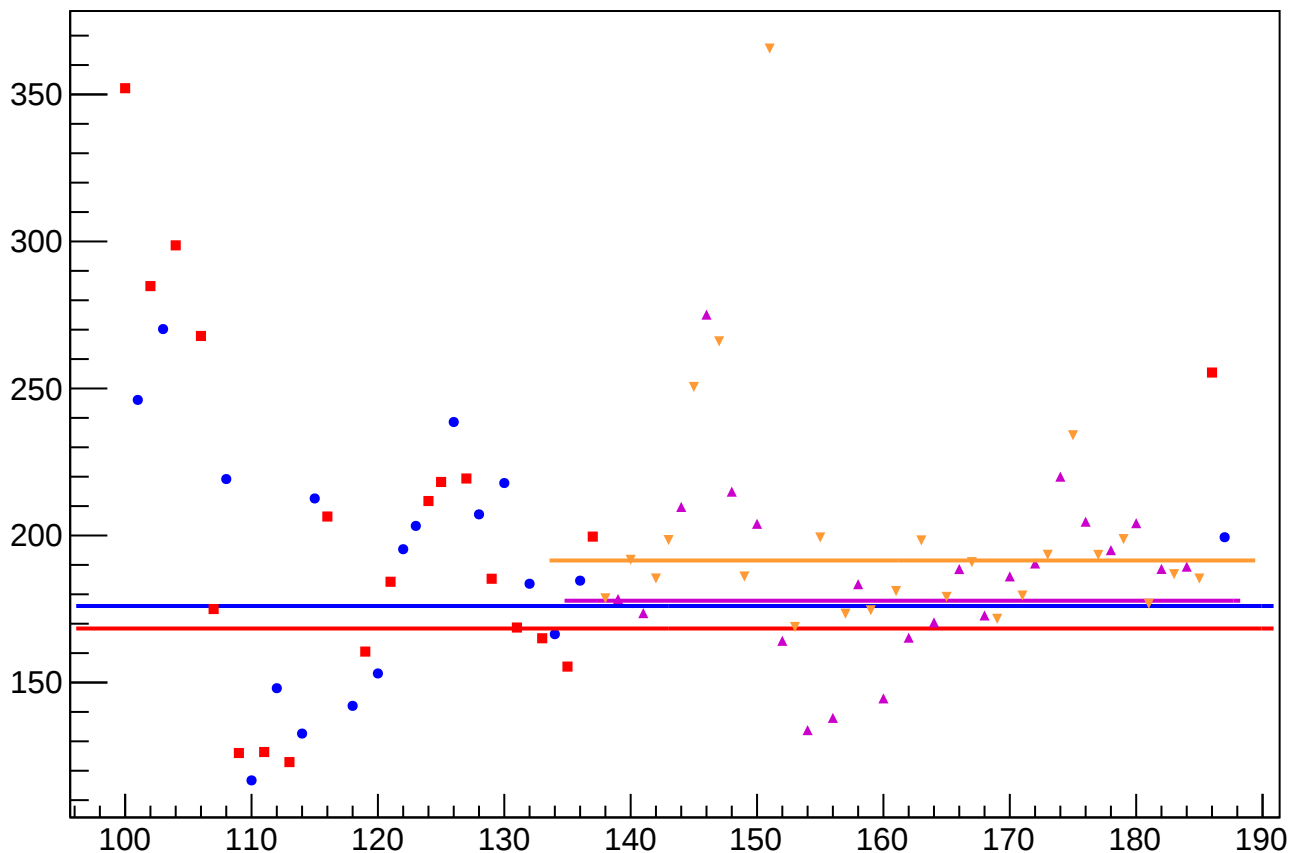
Right: 447.161 ± 47.667 $\chi^2/\text{NDF}: 17007.1/37$

In: -7920.540 ± 37.254 $\chi^2/\text{NDF}: 55965.6/40$

Out: -6929.542 ± 37.275 $\chi^2/\text{NDF}: 80768.4/44$

All: -7425.322 ± 26.350 $\chi^2/\text{NDF}: 137087.7/8$

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 176.021 ± 0.050 χ^2/NDF : 692014.8/17

Left Out: 191.507 ± 0.032 χ^2/NDF : 727251.6/24

Right Out: 168.369 ± 0.046 χ^2/NDF : 1016035.2/19

Left In: 177.821 ± 0.031 χ^2/NDF : 862494.4/22

Left: 184.421 ± 0.022 χ^2/NDF : 1683284.8/47

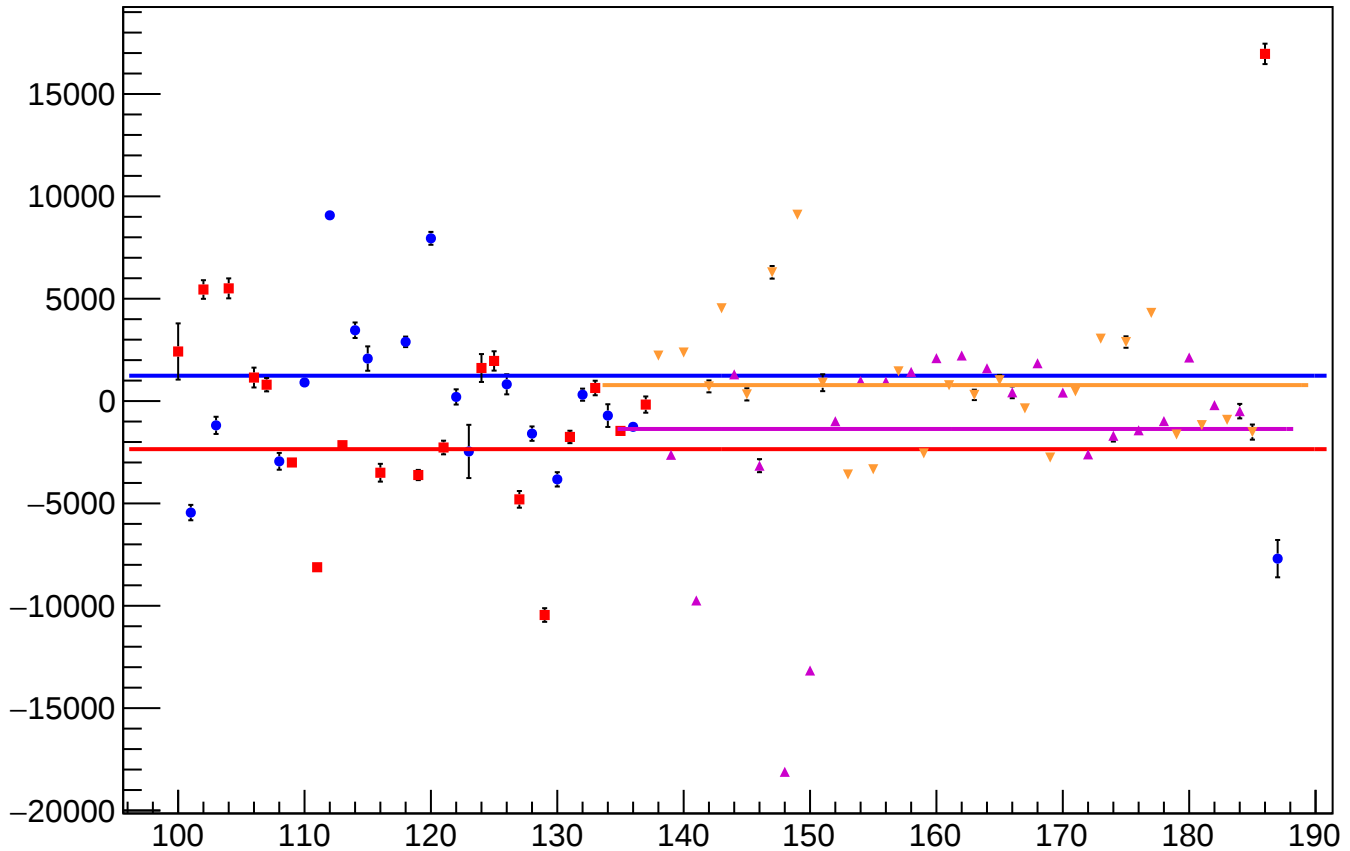
Right: 171.893 ± 0.034 χ^2/NDF : 1720854.7/37

In: 177.315 ± 0.026 χ^2/NDF : 1555453.8/40

Out: 183.874 ± 0.026 χ^2/NDF : 1913637.8/44

All: 180.593 ± 0.019 χ^2/NDF : 3500075.0/85

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1238.656 $\pm$ 77.046 χ^2 /NDF: 2746.7/17

Left Out: 779.983 $\pm$ 47.457 χ^2 /NDF:4260.8/24

Right Out: -2348.875 $\pm$ 69.332 χ^2 /NDF: 4025.5/19

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

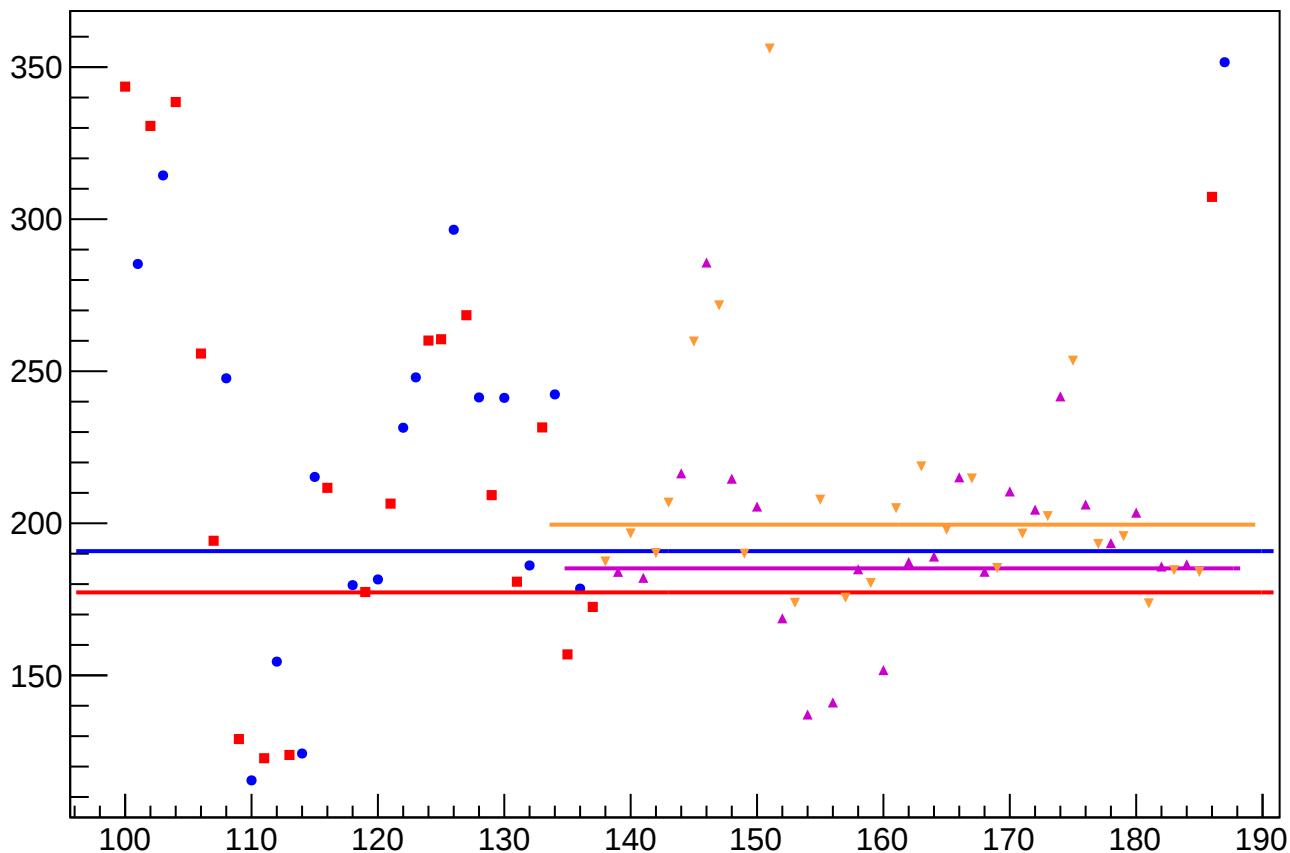
Right: -743.662 $\pm$ 51.537 χ^2 /NDF: 7970.2/37

In: -683.589 $\pm$ 39.373 χ^2 /NDF:15222.0/40

Out: -218.276 $\pm$ 39.162 χ^2 /NDF:9673.1/44

All: -449.678 $\pm$ 27.766 χ^2 /NDF: 24965.3/85

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 190.844+/-0.054 χ^2/NDF : 1039853.4/17

Left Out: 199.547+/-0.034 χ^2/NDF : 729356.3/24

Right Out: 177.270+/-0.049 χ^2/NDF : 1429809.6/19

Left In: 185.171+/-0.032 χ^2/NDF : 882752.2/22

Left: 192.104+/-0.023 χ^2/NDF : 1707122.0/47

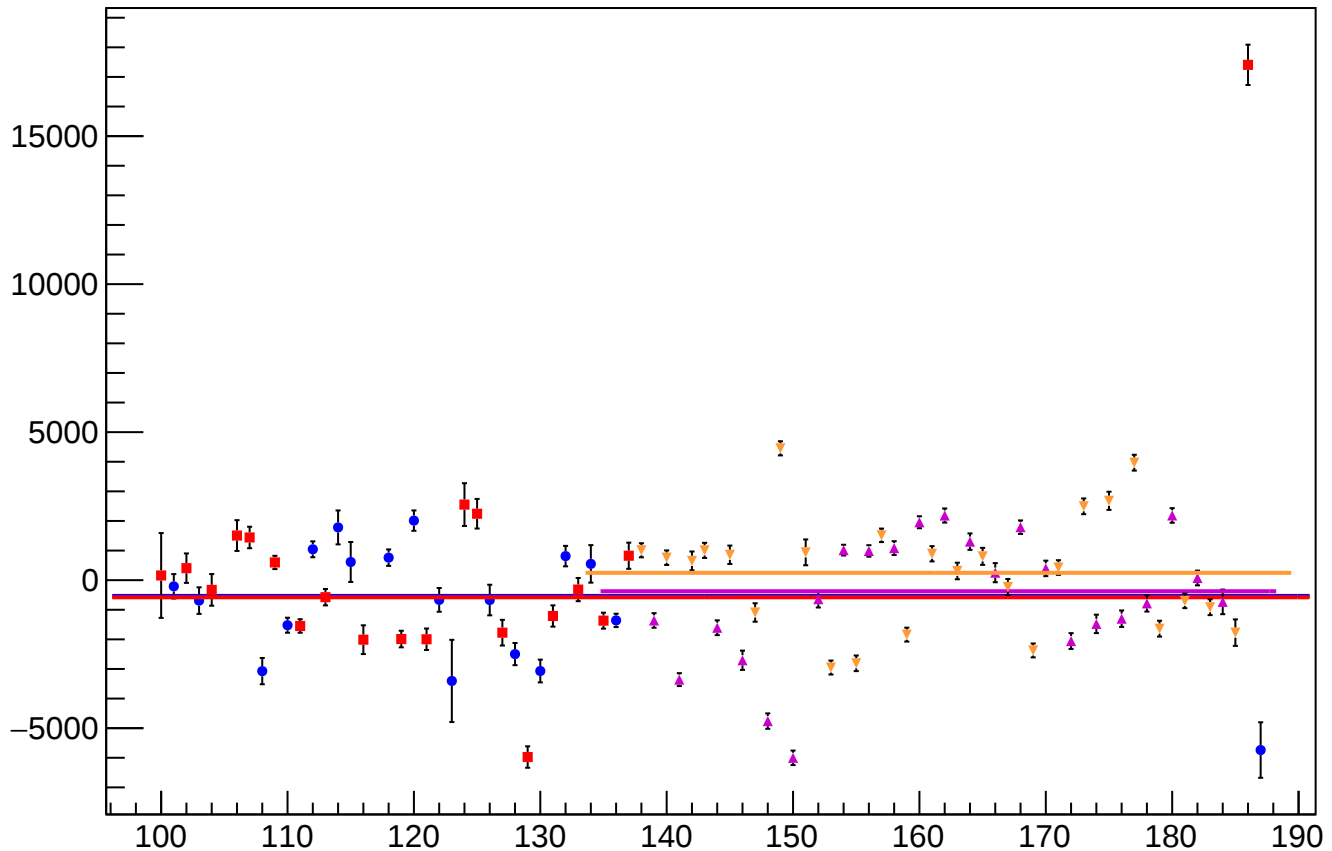
Right: 183.343+/-0.036 χ^2/NDF : 2503964.3/37

In: 186.652+/-0.028 χ^2/NDF : 1930616.9/40

Out: 192.439+/-0.028 χ^2/NDF : 2299769.9/44

All: 189.561+/-0.020 χ^2/NDF : 4252106.9/85

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -531.718+/-88.393 χ^2/NDF : 316.4/17

Left Out: 247.844+/-53.555 χ^2/NDF :1355.1/24

Right Out: -578.583+/-81.640 χ^2/NDF : 1145.3/19

Left In: -374.122+/-52.049 χ^2/NDF :1801.0/22

Left: -72.006+/-37.325 χ^2/NDF : 3225.5/47

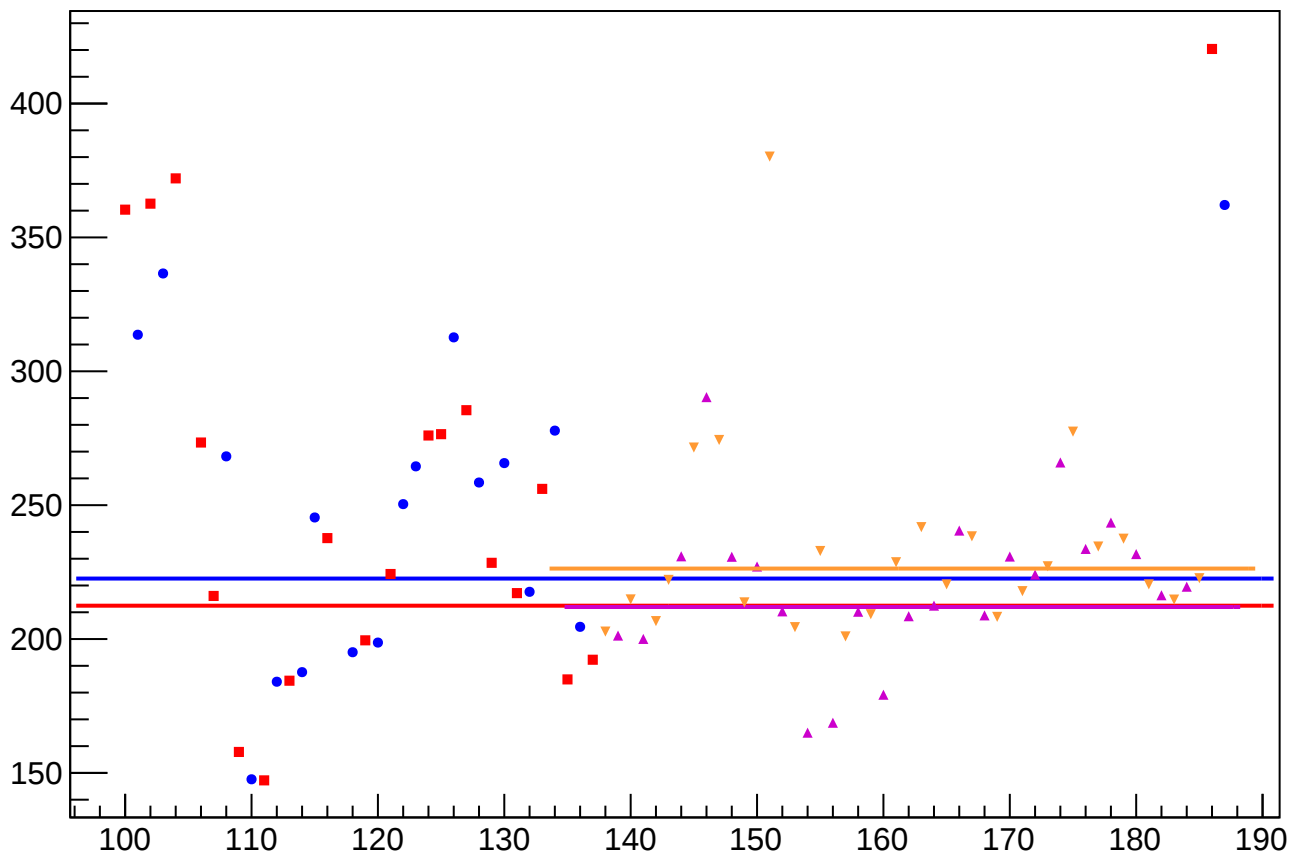
Right: -557.009+/-59.974 χ^2/NDF : 1461.9/37

In: -414.696+/-44.851 χ^2/NDF :2119.8/40

Out: -0.792+/-44.780 χ^2/NDF :2572.1/44

All: -207.415+/-31.689 χ^2/NDF : 4734.5/85

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 222.590 ± 0.063 $\chi^2/\text{NDF}: 690184.4/17$

Left Out: 226.322 ± 0.038 $\chi^2/\text{NDF}: 521041.8/24$

Right Out: 212.457 ± 0.058 $\chi^2/\text{NDF}: 1068273.5/19$

Left In: 211.970 ± 0.037 $\chi^2/\text{NDF}: 584344.5/22$

Left: 218.941 ± 0.026 $\chi^2/\text{NDF}: 1179246.7/47$

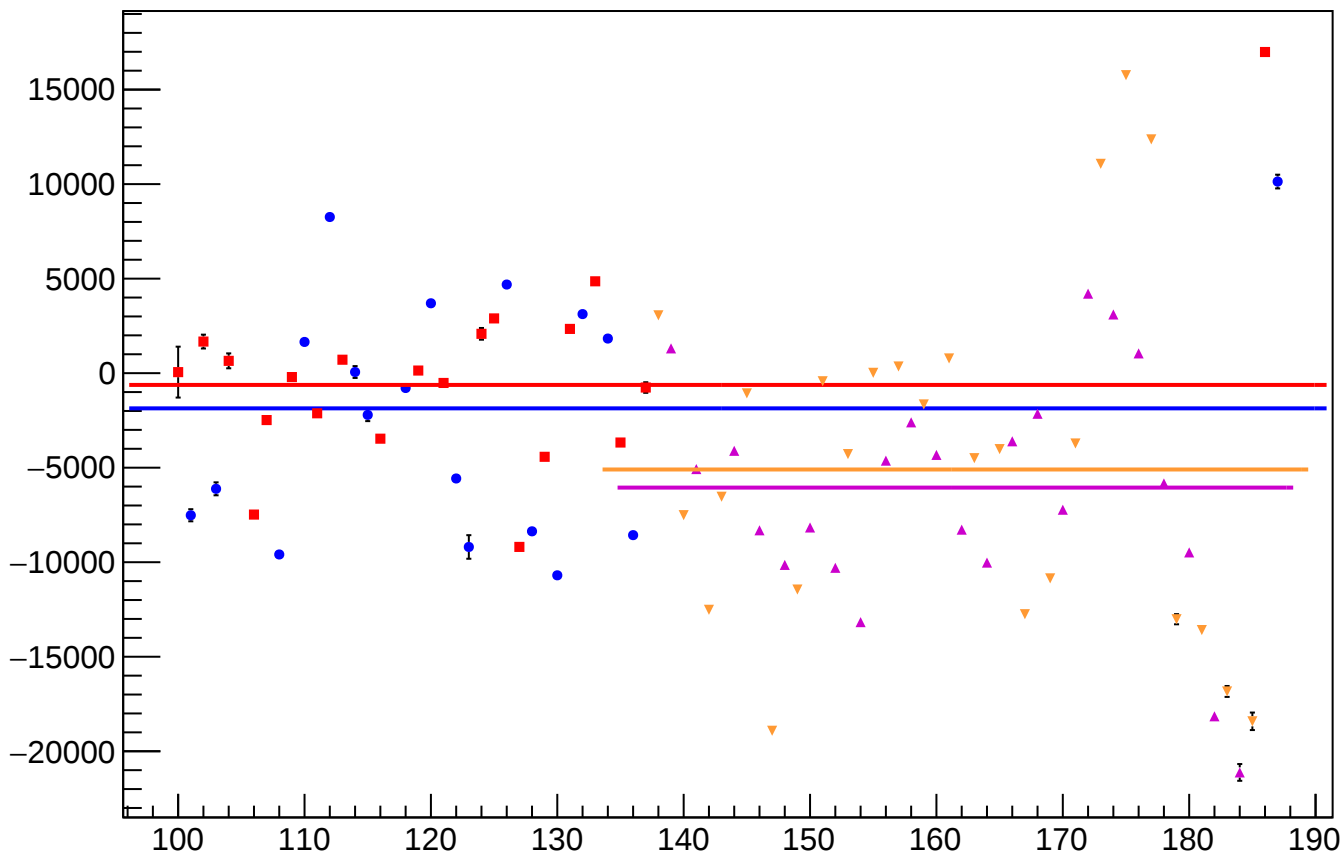
Right: 217.121 ± 0.042 $\chi^2/\text{NDF}: 1772641.9/37$

In: 214.704 ± 0.032 $\chi^2/\text{NDF}: 1295964.5/40$

Out: 222.150 ± 0.032 $\chi^2/\text{NDF}: 1629645.8/44$

All: 218.433 ± 0.022 $\chi^2/\text{NDF}: 2953216.1/85$

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -1861.595+/-47.009

χ^2/NDF : 17642.7/17

Left Out: -5095.305+/-33.703

χ^2/NDF : 54395.4/24

Right Out: -622.036+/-44.140

χ^2/NDF : 12024.8/19

Left In: -6053.569+/-34.998

χ^2/NDF : 17590.3/22

Left: -5556.386+/-24.277 χ^2/NDF : 72374.6/47

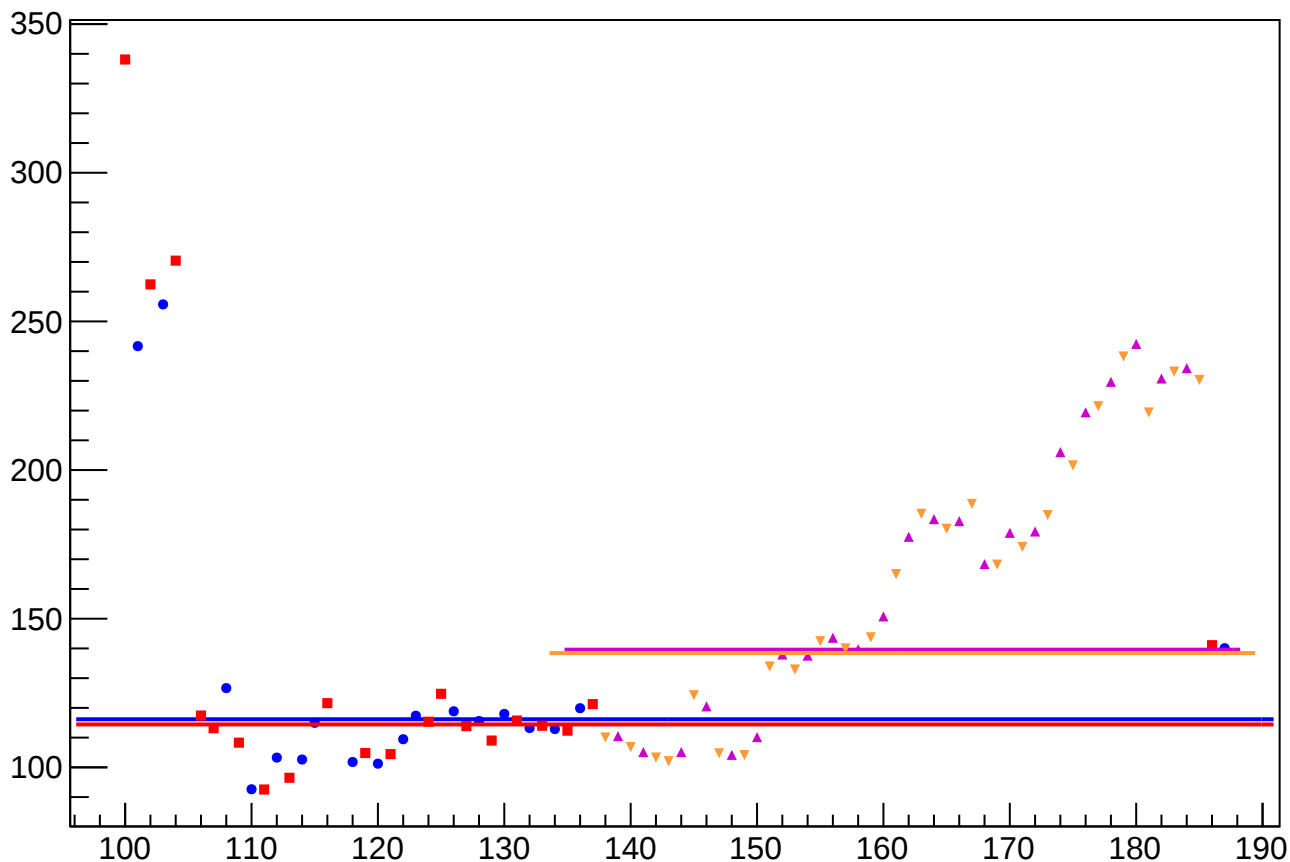
Right: -1202.843+/-32.178 χ^2/NDF : 30037.0/37

In: -4558.654+/-28.072 χ^2/NDF : 40349.2/40

Out: -3447.831+/-26.788 χ^2/NDF : 72907.9/44

All: -3977.240+/-19.380 χ^2/NDF : 114076.7/8

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 116.174 $\pm$ 0.033 χ^2 /NDF: 752454.3/17

Left Out: 138.436 $\pm$ 0.024 χ^2 /NDF: 2549435.8/24

Right Out: 114.434 $\pm$ 0.031 χ^2 /NDF: 823324.5/19

Left In: 139.578 $\pm$ 0.025 χ^2 /NDF: 2413658.9/22

Left: 138.985 $\pm$ 0.017 χ^2 /NDF: 4964199.7/47

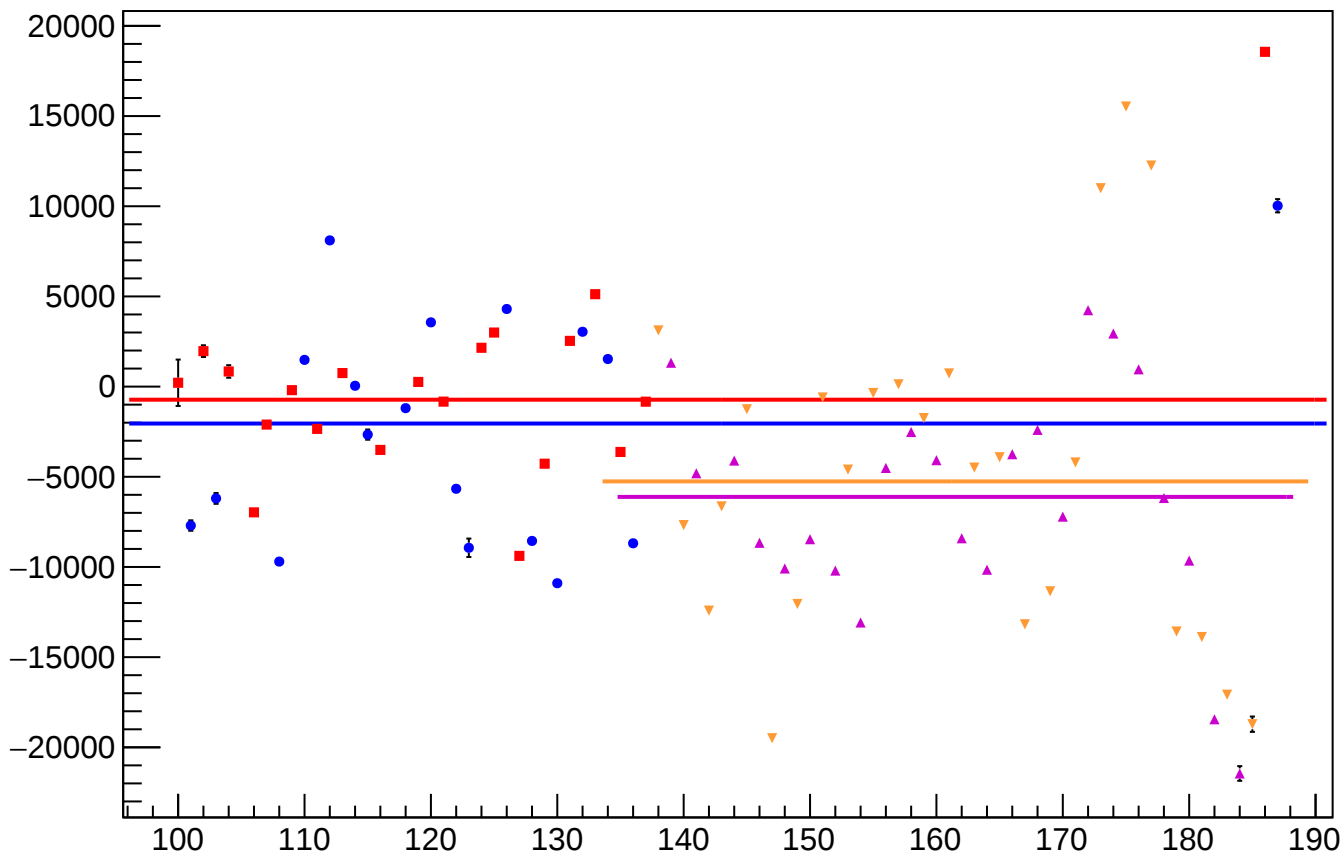
Right: 115.250 $\pm$ 0.023 χ^2 /NDF: 1577235.0/37

In: 131.232 $\pm$ 0.020 χ^2 /NDF: 3485047.7/40

Out: 129.596 $\pm$ 0.019 χ^2 /NDF: 3746309.7/44

All: 130.376 $\pm$ 0.014 χ^2 /NDF: 7234911.1/85

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2047.463+/-39.774 χ^2/NDF : 23900.8/17

Left Out: -5255.652+/-30.622 χ^2/NDF : 64324.6/24

Right Out: -726.093+/-37.520 χ^2/NDF : 15790.3/19

Left In: -6114.901+/-32.126 χ^2/NDF : 21260.9/22

Left: -5664.697+/-22.166 χ^2/NDF : 85960.3/47

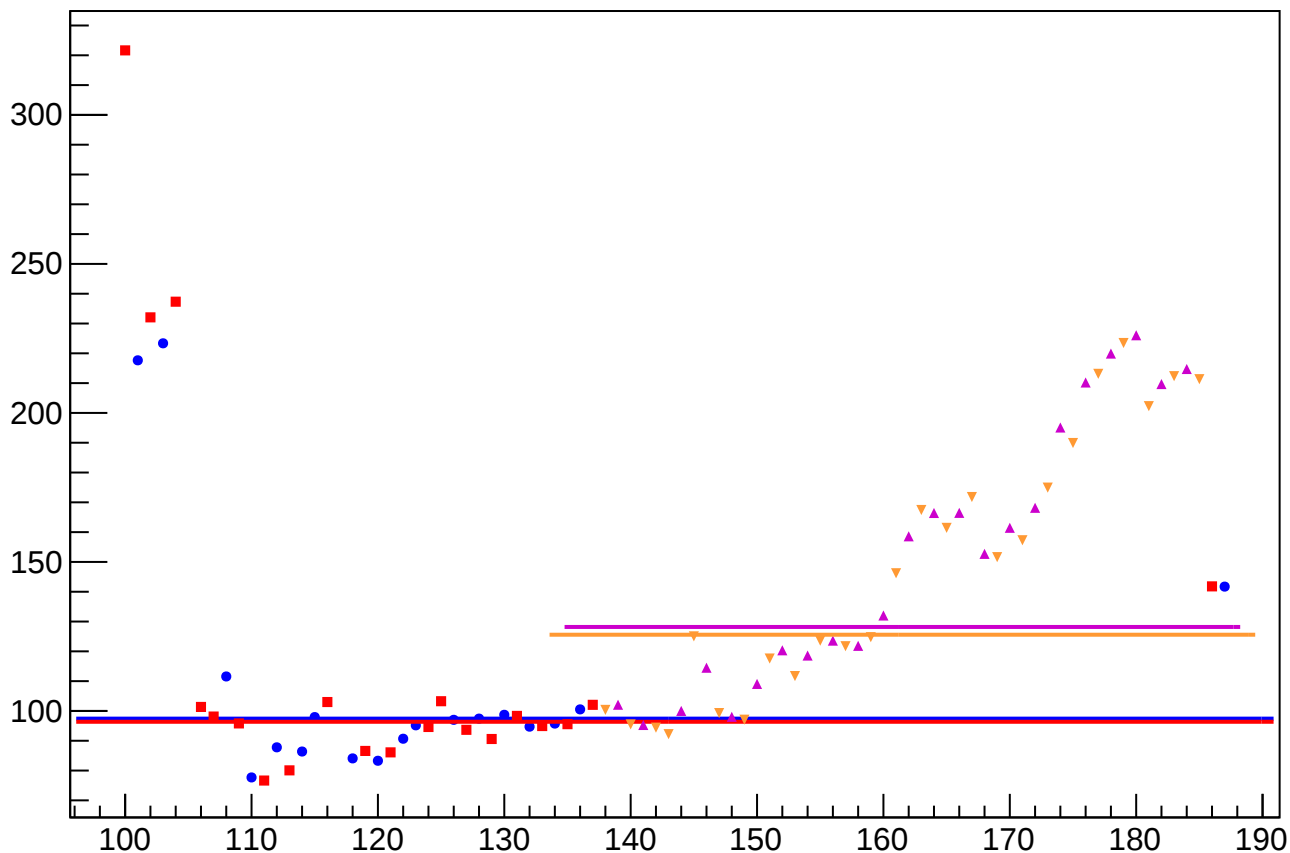
Right: -1348.286+/-27.293 χ^2/NDF : 40275.0/37

In: -4509.008+/-24.992 χ^2/NDF : 51490.6/40

Out: -3444.768+/-23.724 χ^2/NDF : 88862.3/44

All: -3949.209+/-17.206 χ^2/NDF : 141306.8/8

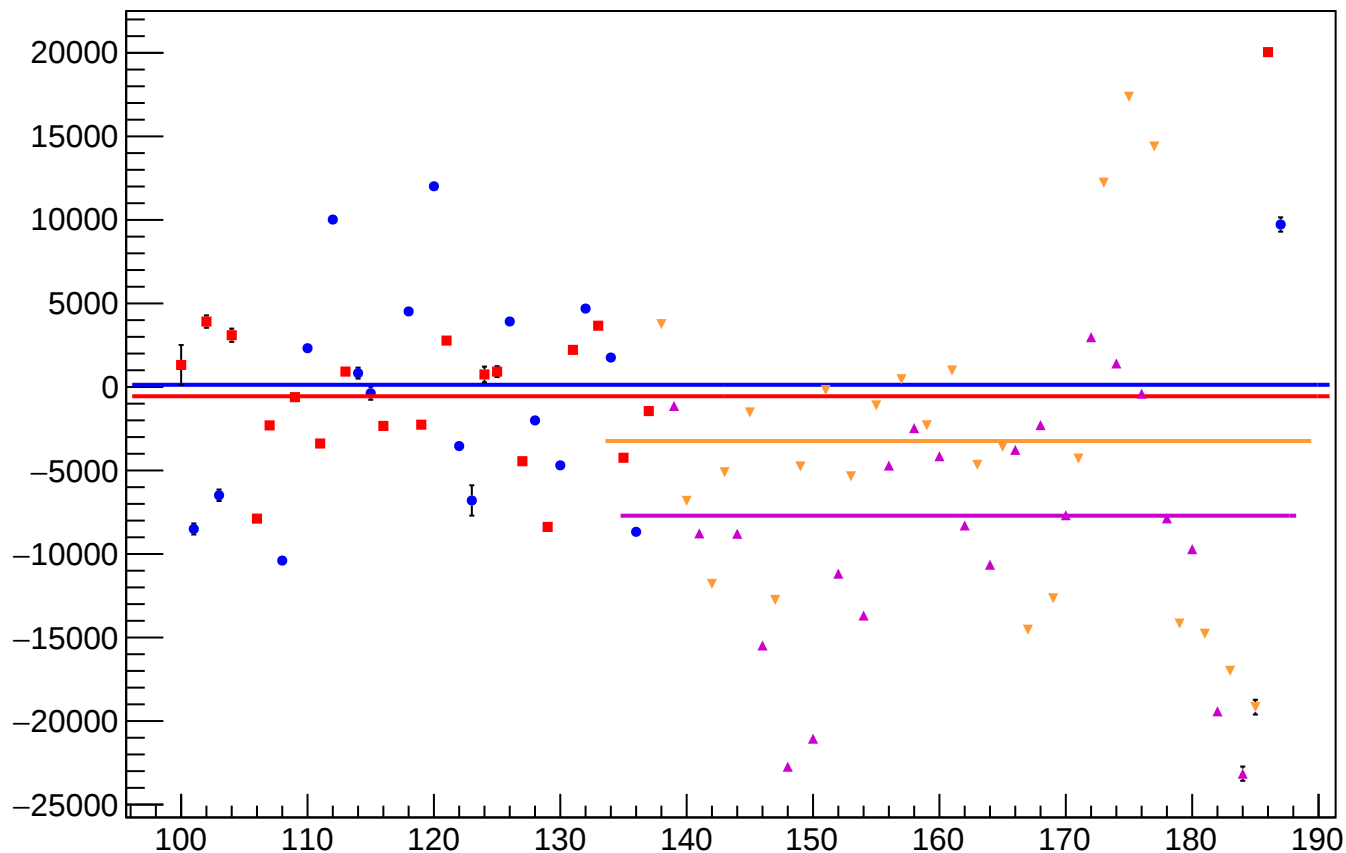
asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 97.422+/-0.028 χ^2/NDF : 846590.3/17
 Left Out: 125.577+/-0.022 χ^2/NDF : 2595752.6/24
 Right Out: 96.369+/-0.027 χ^2/NDF : 938449.8/19
 Left In: 128.184+/-0.023 χ^2/NDF : 2332977.5/22

Left: 126.818+/-0.016 χ^2/NDF : 4935627.6/47
 Right: 96.865+/-0.019 χ^2/NDF : 1785782.1/37
 In: 116.038+/-0.018 χ^2/NDF : 3903565.1/40
 Out: 113.900+/-0.017 χ^2/NDF : 4261662.8/44
 All: 114.914+/-0.012 χ^2/NDF : 8172930.5/85

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 129.304 $\pm$ 54.290 χ^2/NDF : 16875.0/17

Left Out: -3234.922 $\pm$ 40.583 χ^2/NDF :36739.9/24

Right Out: -556.669 $\pm$ 51.372 χ^2/NDF : 9985.5/19

Left In: -7707.068 $\pm$ 42.990 χ^2/NDF :21268.3/22

Left: -5342.284 $\pm$ 29.511 χ^2/NDF : 63730.6/47

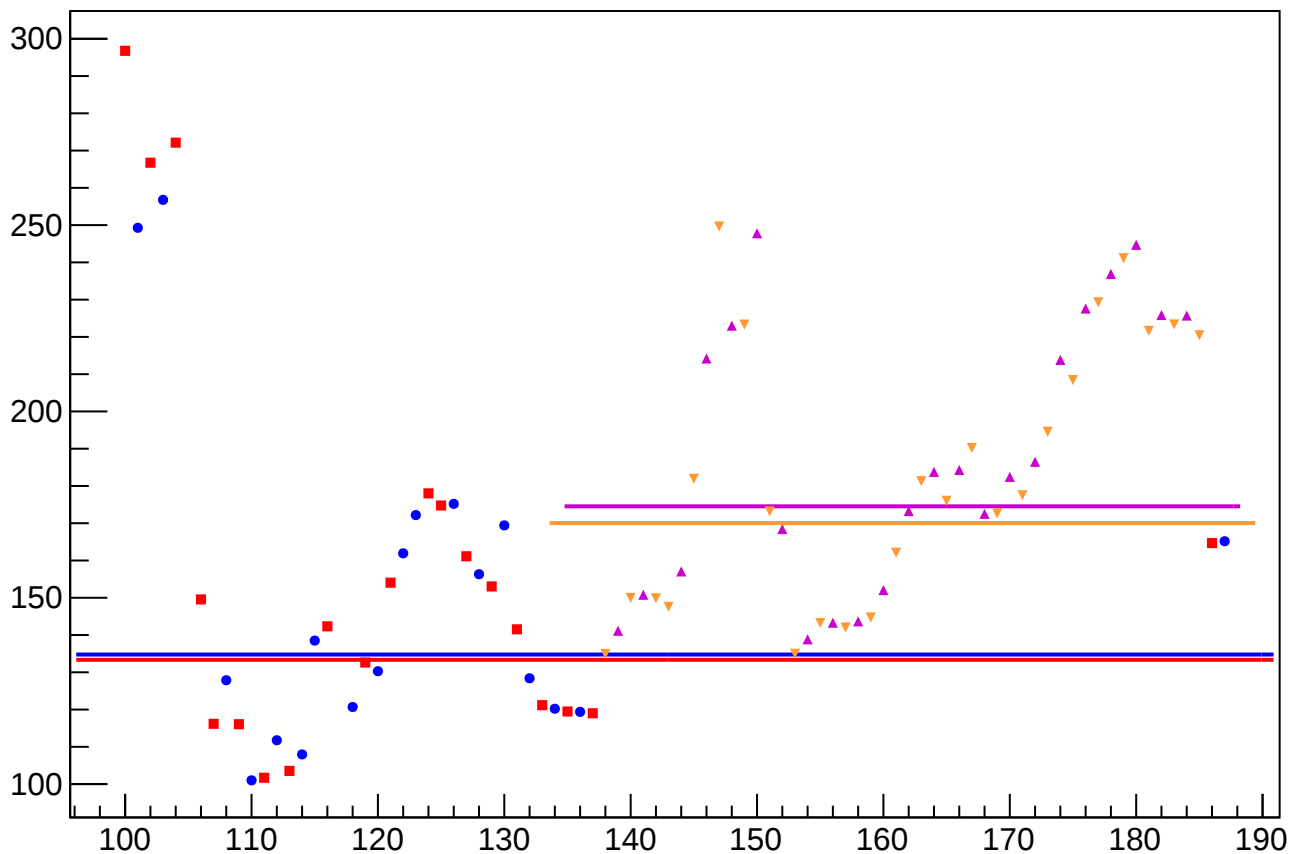
Right: -232.616 $\pm$ 37.315 χ^2/NDF : 26944.7/37

In: -4687.073 $\pm$ 33.703 χ^2/NDF :50948.5/40

Out: -2205.772 $\pm$ 31.845 χ^2/NDF :48399.0/44

All: -3376.135 $\pm$ 23.147 χ^2/NDF : 102211.2/8

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 134.767 $\pm$ 0.038 χ^2/NDF : 797344.7/17

Left Out: 170.050 $\pm$ 0.029 χ^2/NDF :1240866.9/24

Right Out: 133.351 $\pm$ 0.036 χ^2/NDF : 893413.5/19

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

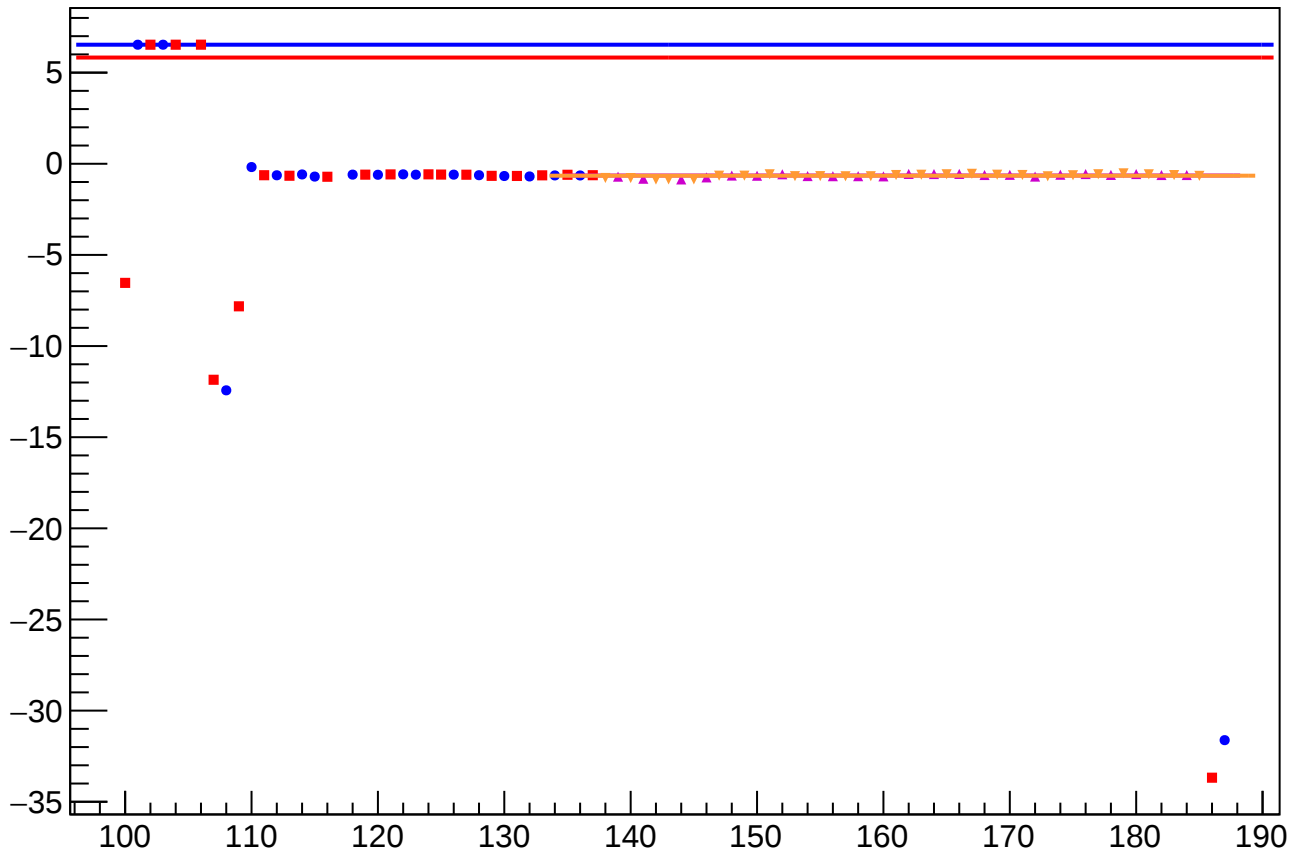
Right: 134.020 $\pm$ 0.026 χ^2/NDF : 1691476.4/37

In: 159.212 $\pm$ 0.024 χ^2/NDF :2667120.1/40

Out: 155.948 $\pm$ 0.023 χ^2/NDF :2762753.9/44

All: 157.487 $\pm$ 0.016 χ^2/NDF : 5439785.1/85

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532+/-0.000 χ^2/NDF : 127579339044.5/17

Left Out: -0.654+/-0.000 χ^2/NDF : 179109810.4/24

Right Out: 5.827+/-0.000 χ^2/NDF : 755947372602930.4/19

Left In: -0.644+/-0.000 χ^2/NDF : 122913584.0/22

Left: -0.649+/-0.000 χ^2/NDF : 302910331.9/47

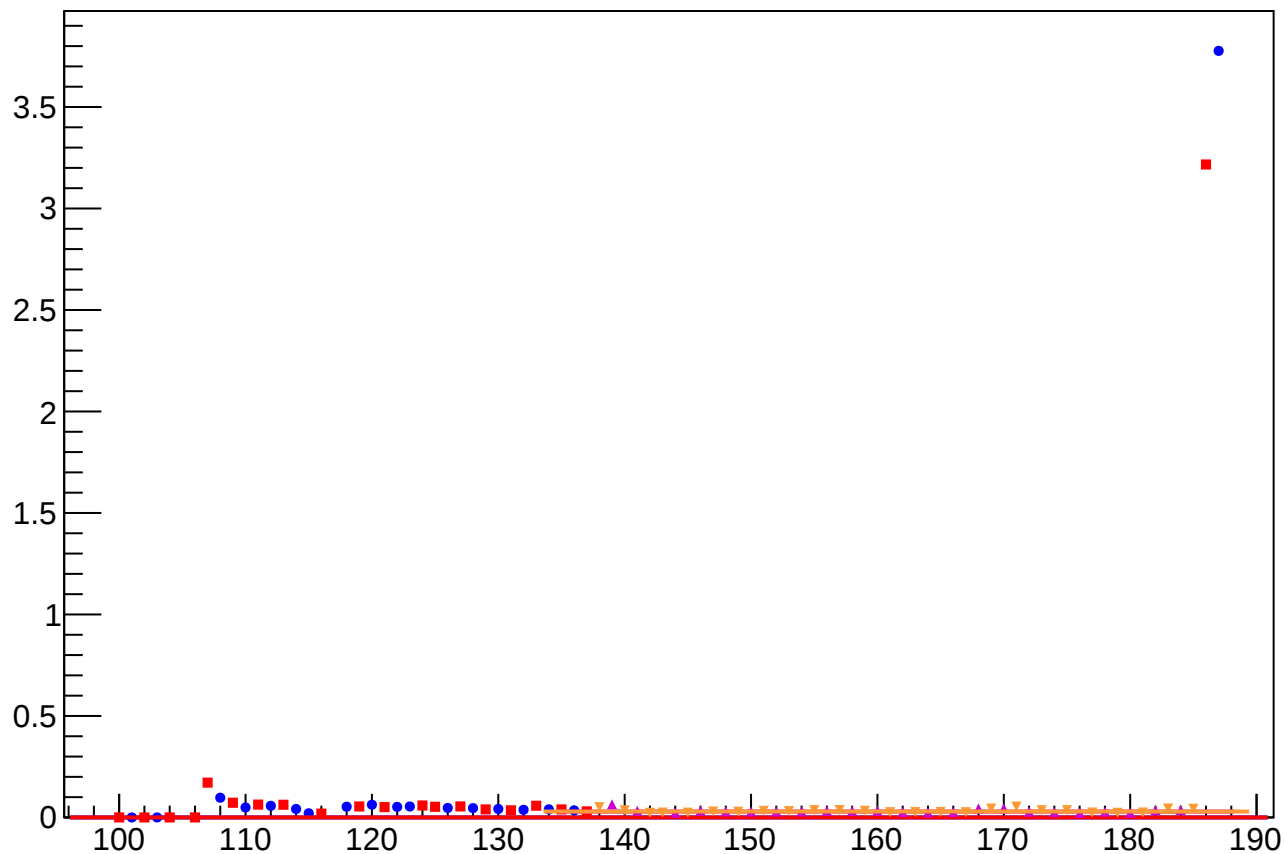
Right: 6.155+/-0.000 χ^2/NDF : 776078119936327.2/47

In: 6.530+/-0.000 χ^2/NDF : 952926755786.5/40

Out: 5.826+/-0.000 χ^2/NDF : 756656401277700.2/40

All: 6.153+/-0.000 χ^2/NDF : 77760148974513.0/87

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9286750.8/17

Left Out: 0.029+/-0.000 χ^2/NDF : 1487017.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10059889.5/19

Left In: 0.029+/-0.000 χ^2/NDF : 1164030.9/22

Left: 0.029+/-0.000 χ^2/NDF : 2651180.7/47

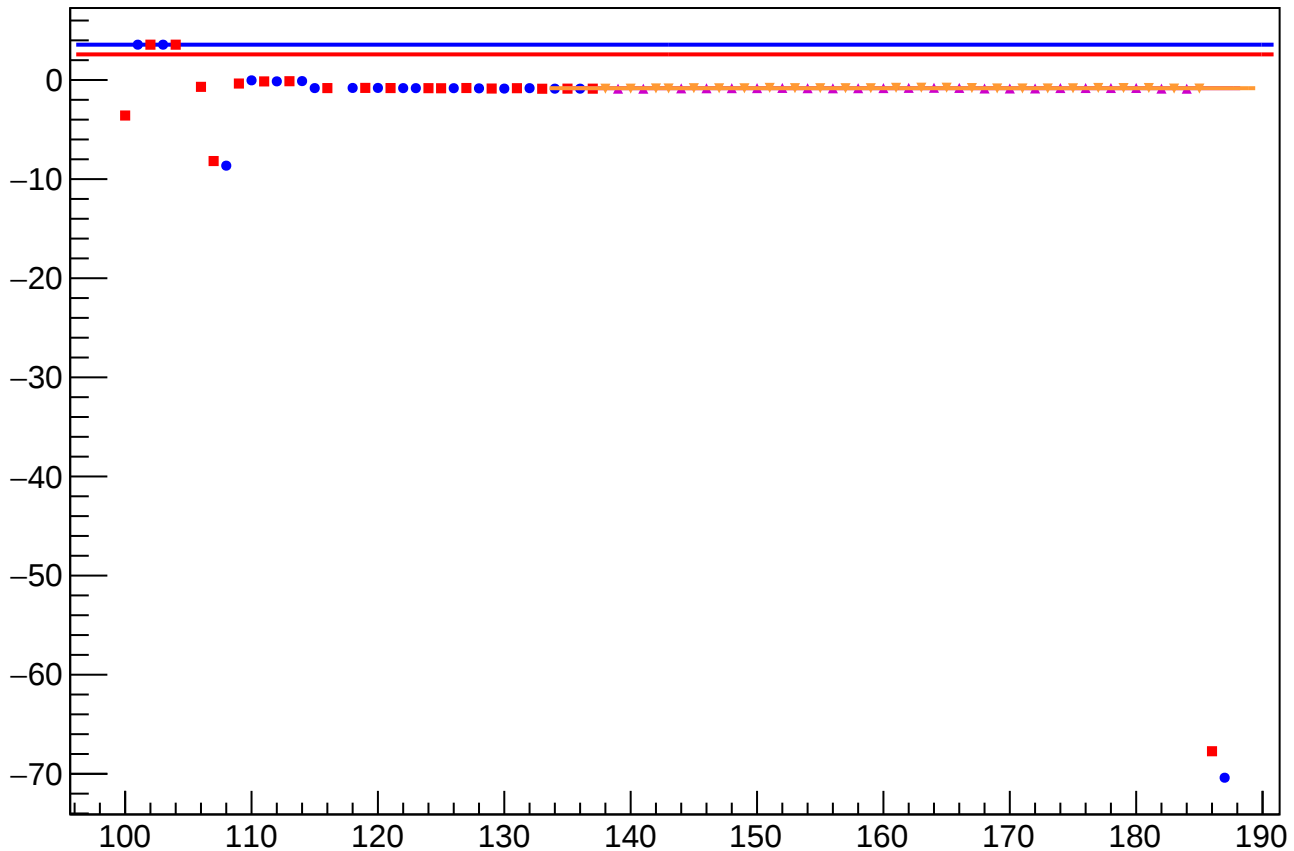
Right: 0.000+/-0.000 χ^2/NDF : 19346890.4/37

In: 0.000+/-0.000 χ^2/NDF : 37248455.8/40

Out: 0.000+/-0.000 χ^2/NDF : 39935589.2/44

All: 0.000+/-0.000 χ^2/NDF : 77184460.8/85

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000 χ^2/NDF : 485100131180.3/17

Left Out: -0.828+/-0.000 χ^2/NDF : 168178464.8/24

Right Out: 2.583+/-0.000 χ^2/NDF : 1253504647368430.8/19

Left In: -0.827+/-0.000 χ^2/NDF : 172640246.1/22

Left: -0.827+/-0.000 χ^2/NDF : 340927693.4/47

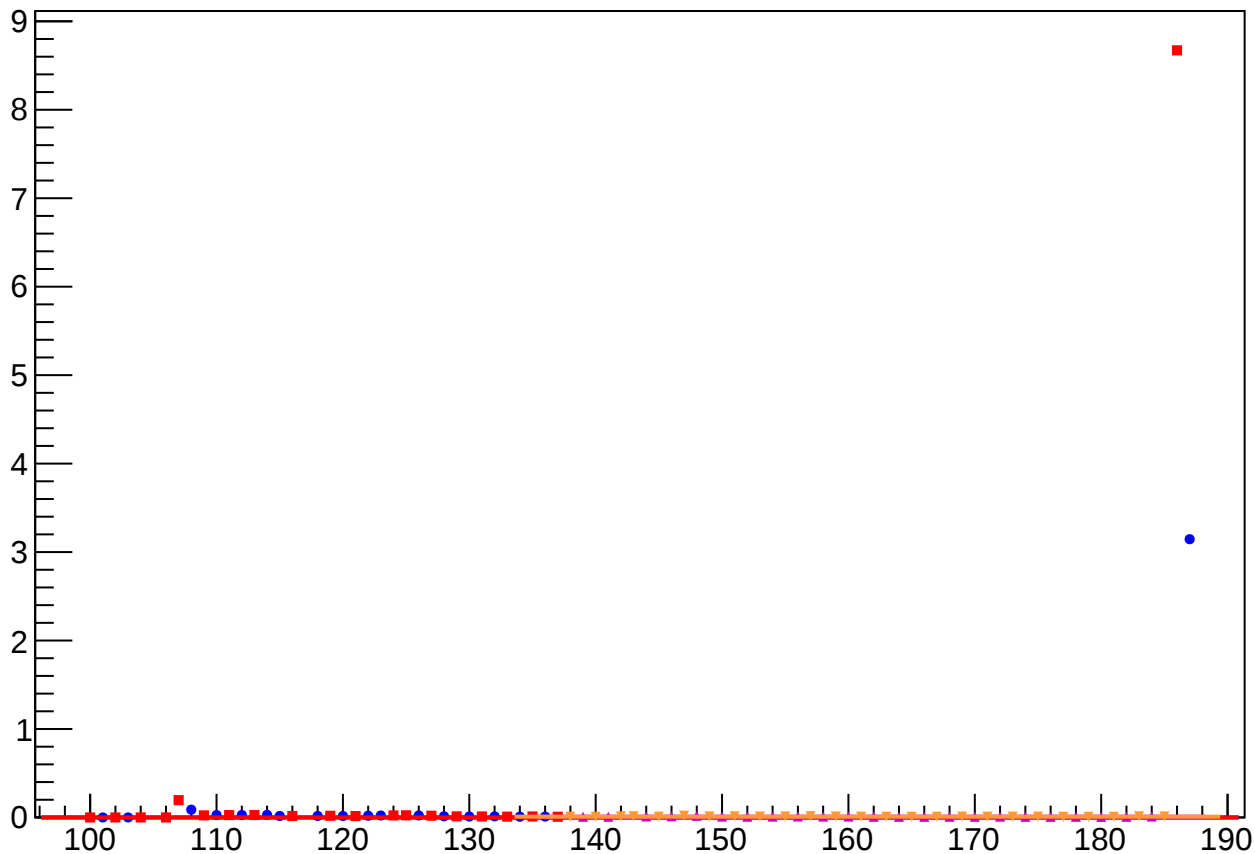
Right: 3.040+/-0.000 χ^2/NDF : 1382260934679157.5

In: 3.560+/-0.000 χ^2/NDF : 4130853550585.0/40

Out: 2.581+/-0.000 χ^2/NDF : 1255726979964484.8

All: 3.038+/-0.000 χ^2/NDF : 13879474103177

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 10105701.3/17

Left Out: 0.009+/-0.000 χ^2/NDF : 1454710.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10558075.3/19

Left In: 0.009+/-0.000 χ^2/NDF : 1041524.9/22

Left: 0.009+/-0.000 χ^2/NDF : 2502231.5/47

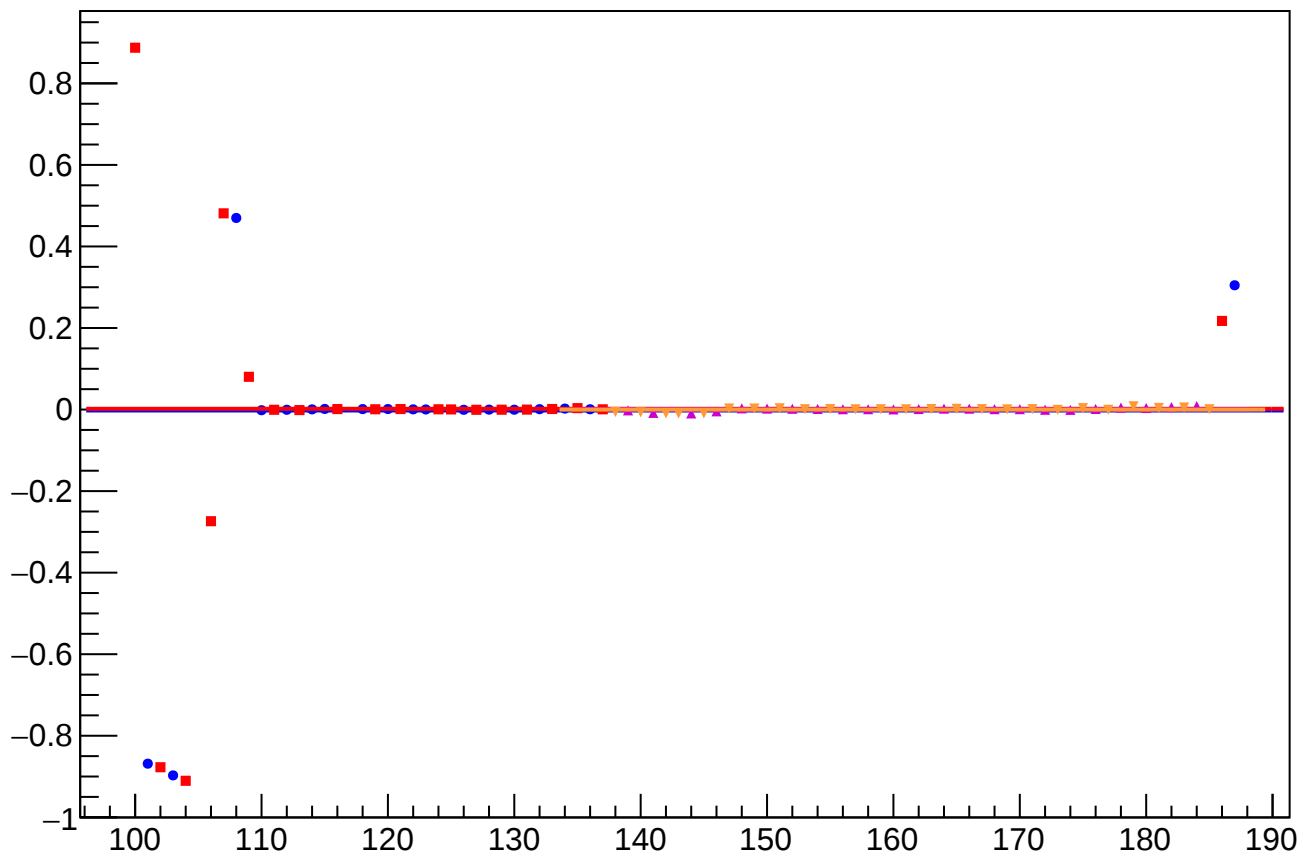
Right: 0.000+/-0.000 χ^2/NDF : 20664057.8/37

In: 0.000+/-0.000 χ^2/NDF : 39641854.9/40

Out: 0.000+/-0.000 χ^2/NDF : 41976790.3/44

All: 0.000+/-0.000 χ^2/NDF : 81619399.8/85

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.000

χ^2/NDF : 9795464847.3/17

Left: 0.000+/-0.000 χ^2/NDF : 254436385.6/47

Left Out: -0.000+/-0.000

χ^2/NDF : 151482851.1/24

Right: -0.000+/-0.000 χ^2/NDF : 12850575925.2/37

Right Out: 0.002+/-0.000

χ^2/NDF : 3041344078.2/19

In: -0.000+/-0.000 χ^2/NDF : 9907924179.7/40

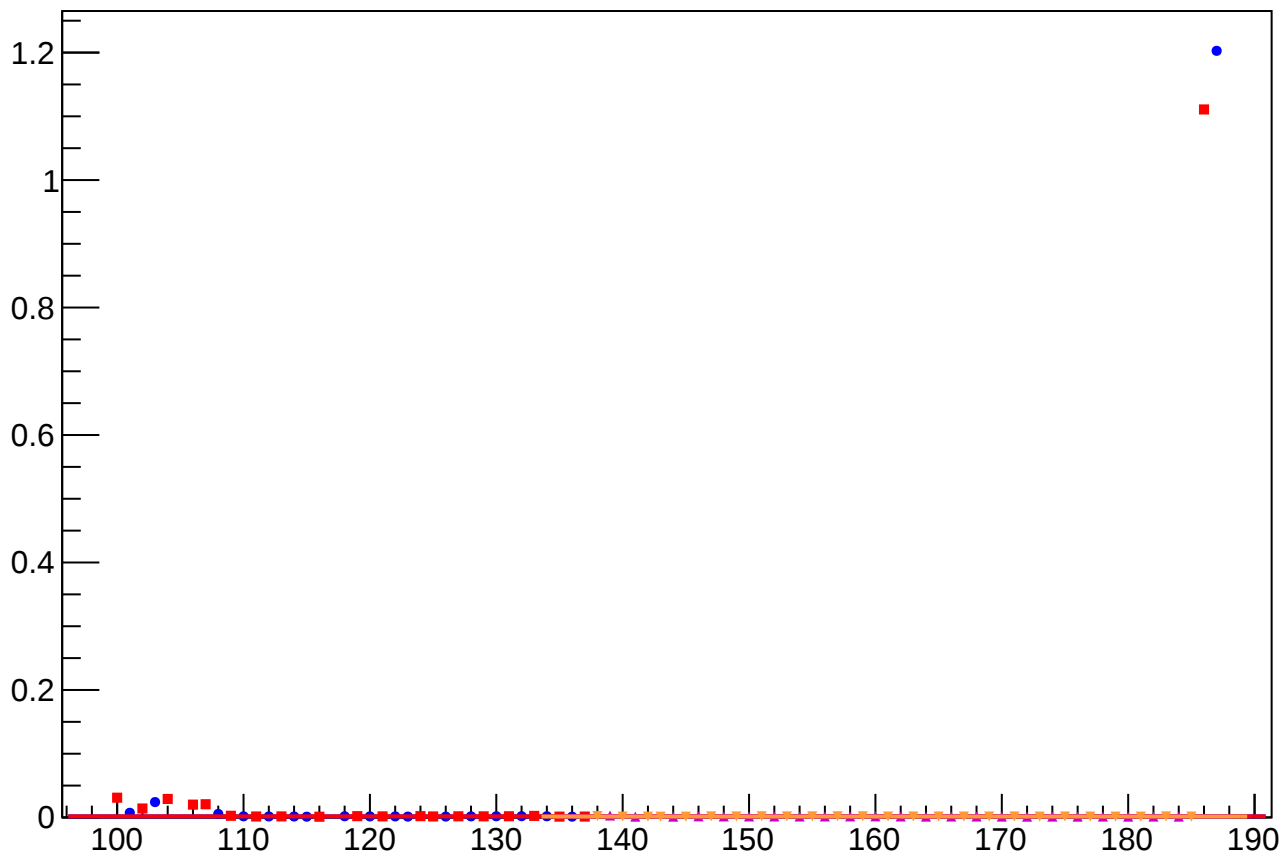
Out: 0.000+/-0.000 χ^2/NDF : 3197553358.7/44

Left In: 0.001+/-0.000

χ^2/NDF : 101439617.3/22

All: 0.000+/-0.000 χ^2/NDF : 13105814503.6/8

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 2205026.7/17

Left Out: 0.001+/-0.000 χ^2/NDF : 539817.3/24

Right Out: 0.002+/-0.000 χ^2/NDF : 3727951.7/19

Left In: 0.001+/-0.000 χ^2/NDF : 626044.8/22

Left: 0.001+/-0.000 χ^2/NDF : 1169603.9/47

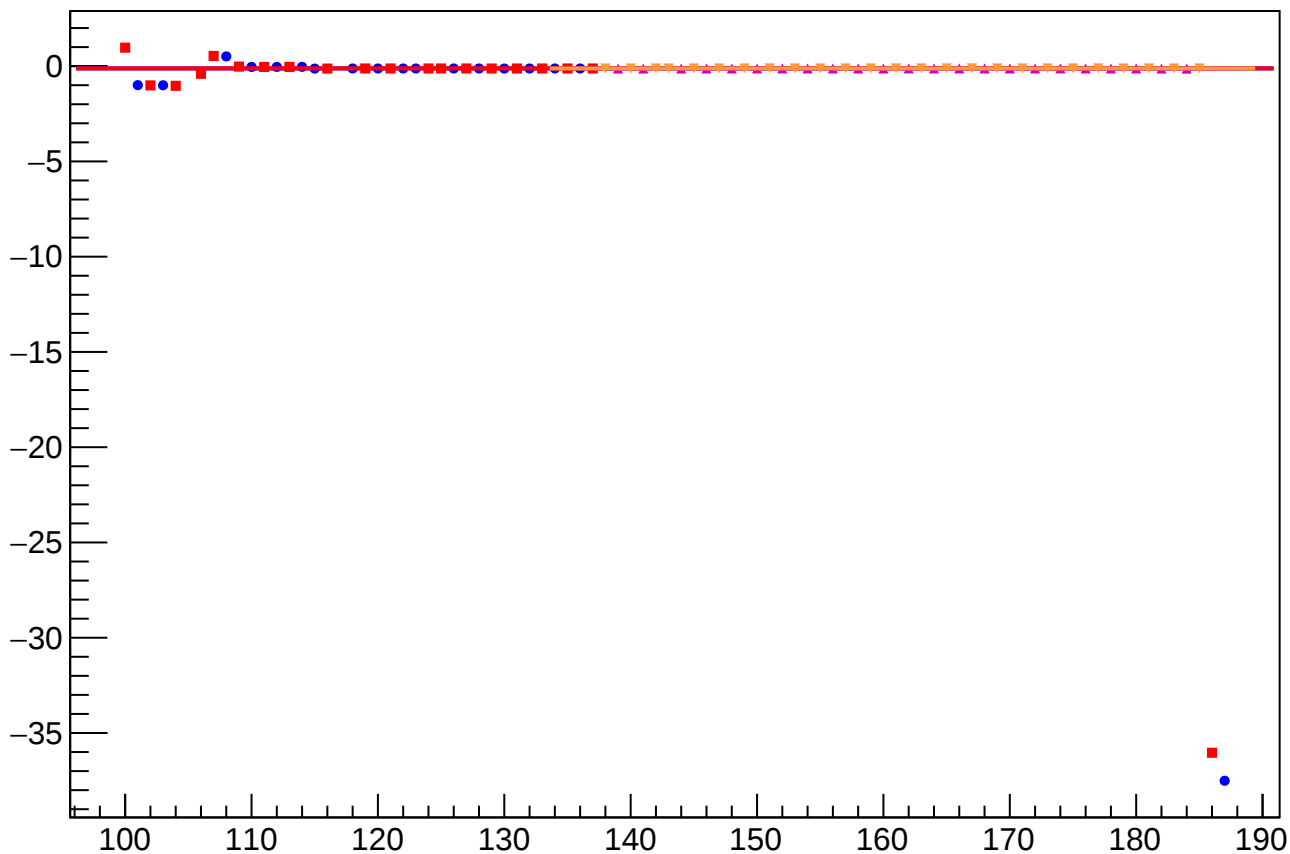
Right: 0.002+/-0.000 χ^2/NDF : 5941378.5/37

In: 0.002+/-0.000 χ^2/NDF : 2881026.3/40

Out: 0.002+/-0.000 χ^2/NDF : 4403446.4/44

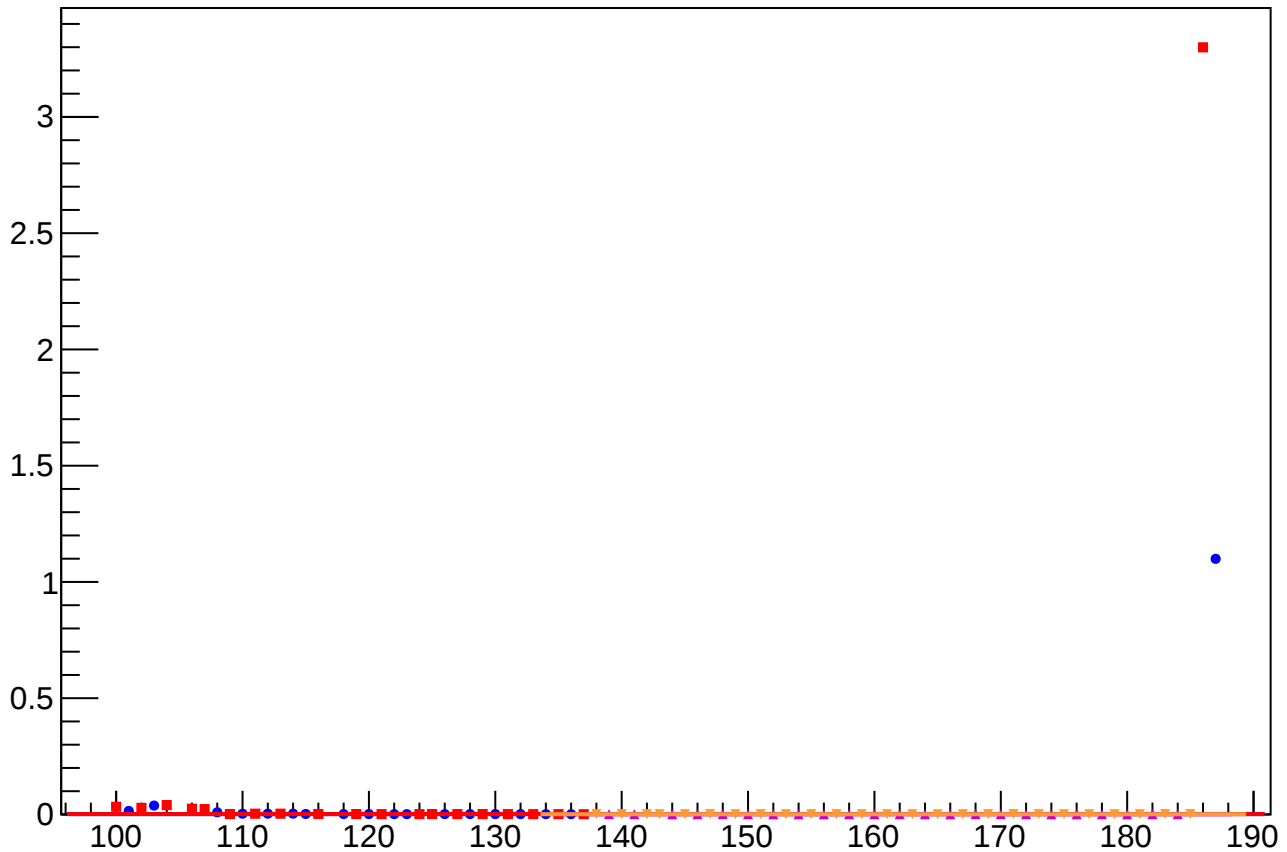
All: 0.002+/-0.000 χ^2/NDF : 7285387.2/85

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.120+/-0.000	χ^2/NDF : 4099200069.0/17	Left: -0.121+/-0.000	χ^2/NDF : 110482905.6/47
Left Out: -0.121+/-0.000	χ^2/NDF : 58120109.3/24	Right: -0.118+/-0.000	χ^2/NDF : 6620866539.6/37
Right Out: -0.115+/-0.000	χ^2/NDF : 2498567355.5/19	In: -0.121+/-0.000	χ^2/NDF : 4151872205.7/40
Left In: -0.121+/-0.000	χ^2/NDF : 52113932.9/22	Out: -0.121+/-0.000	χ^2/NDF : 2611911475.0/44
		All: -0.121+/-0.000	χ^2/NDF : 6764738832.2/8

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 3185245.8/17

Left Out: 0.001+/-0.000 χ^2/NDF :1363316.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 4245931.0/19

Left In: 0.001+/-0.000 χ^2/NDF :970801.8/22

Left: 0.001+/-0.000 χ^2/NDF : 2335161.7/47

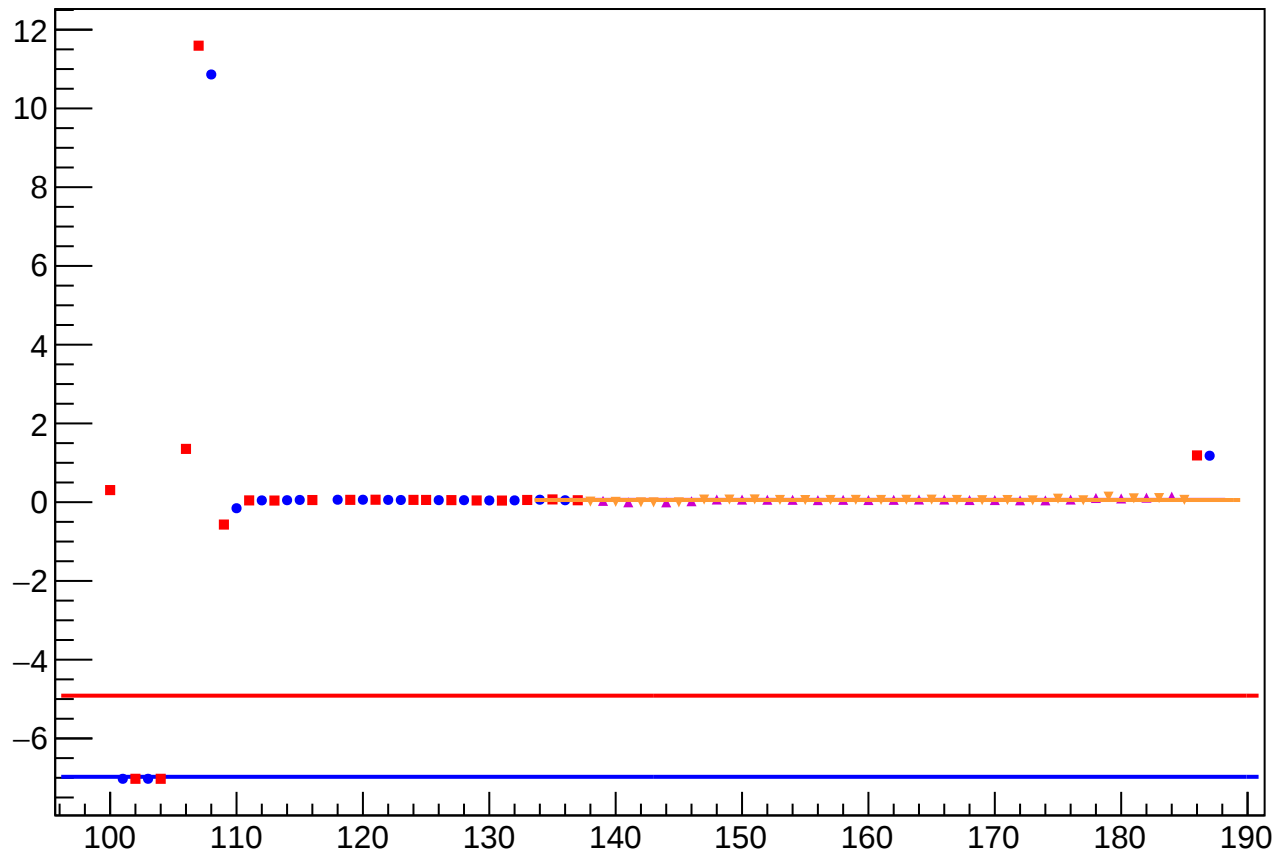
Right: 0.002+/-0.000 χ^2/NDF : 7431314.9/37

In: 0.001+/-0.000 χ^2/NDF :5296363.0/40

Out: 0.001+/-0.000 χ^2/NDF :6752556.2/44

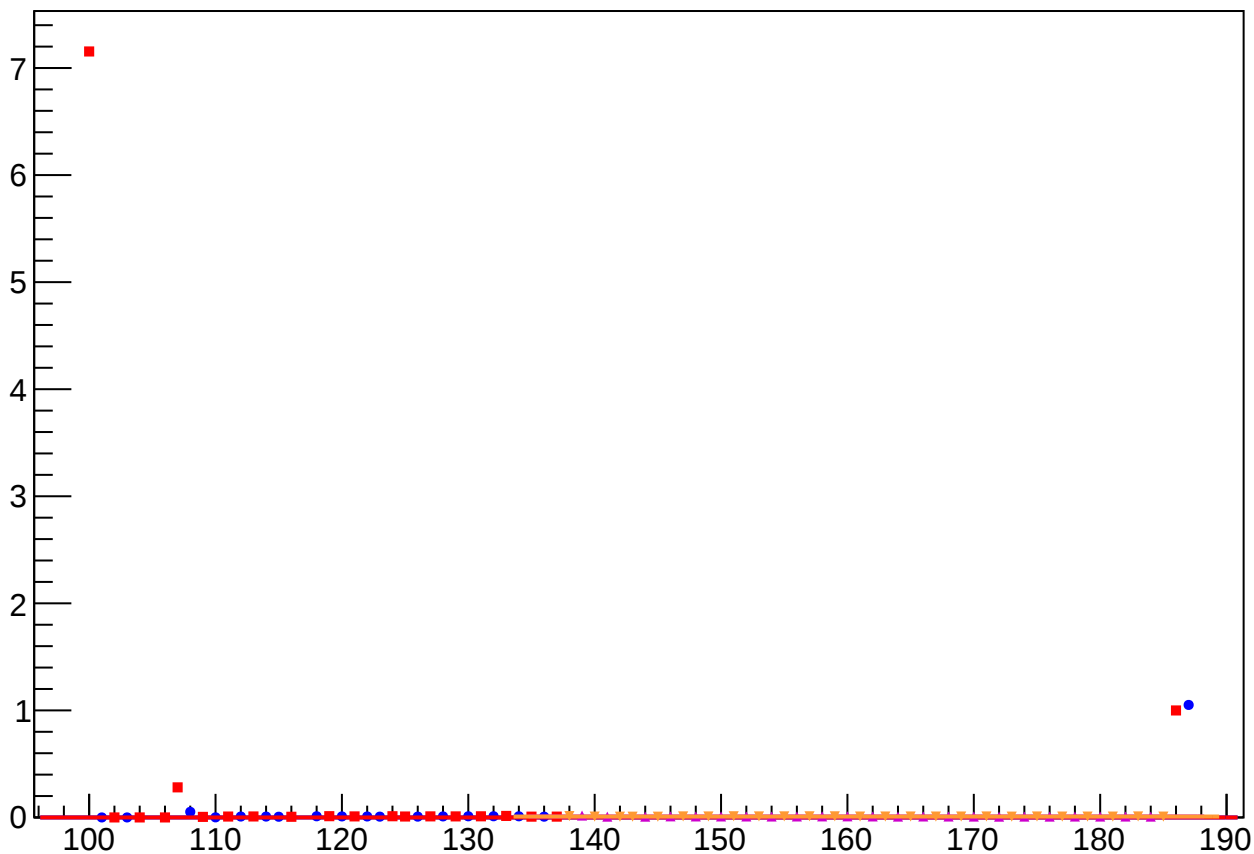
All: 0.001+/-0.000 χ^2/NDF : 12051481.3/85

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975+/-0.000 χ^2/NDF : 8797366557186.8/17
 Left Out: 0.055+/-0.000 χ^2/NDF : 243682351.4/24
 Right Out: -4.914+/-0.000 χ^2/NDF : 365352669559982.0/19
 Left In: 0.059+/-0.000 χ^2/NDF : 178541521.9/22
 Left: 0.057+/-0.000 χ^2/NDF : 423736513.4/47
 Right: -5.900+/-0.000 χ^2/NDF : 430333290754724.2
 In: -6.926+/-0.000 χ^2/NDF : 17552886901530.5/40
 Out: -4.879+/-0.000 χ^2/NDF : 370165234157235.2
 All: -5.858+/-0.000 χ^2/NDF : 4435285849213

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8634426.0/17

Left Out: 0.009+/-0.000 χ^2/NDF : 514432.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9482015.0/19

Left In: 0.009+/-0.000 χ^2/NDF : 602517.2/22

Left: 0.009+/-0.000 χ^2/NDF : 1122225.0/47

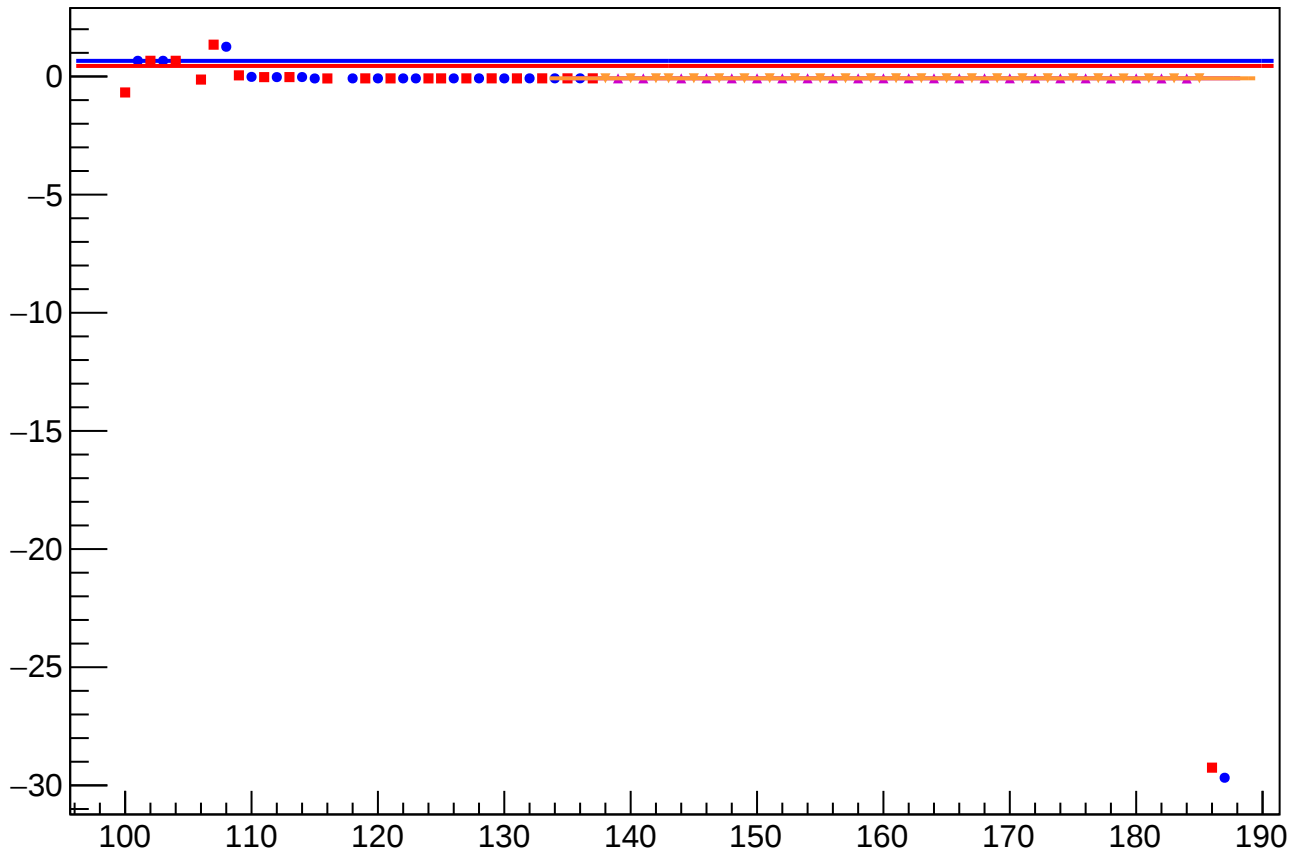
Right: 0.000+/-0.000 χ^2/NDF : 18116790.5/37

In: 0.000+/-0.000 χ^2/NDF : 36053369.8/40

Out: 0.000+/-0.000 χ^2/NDF : 38427234.7/44

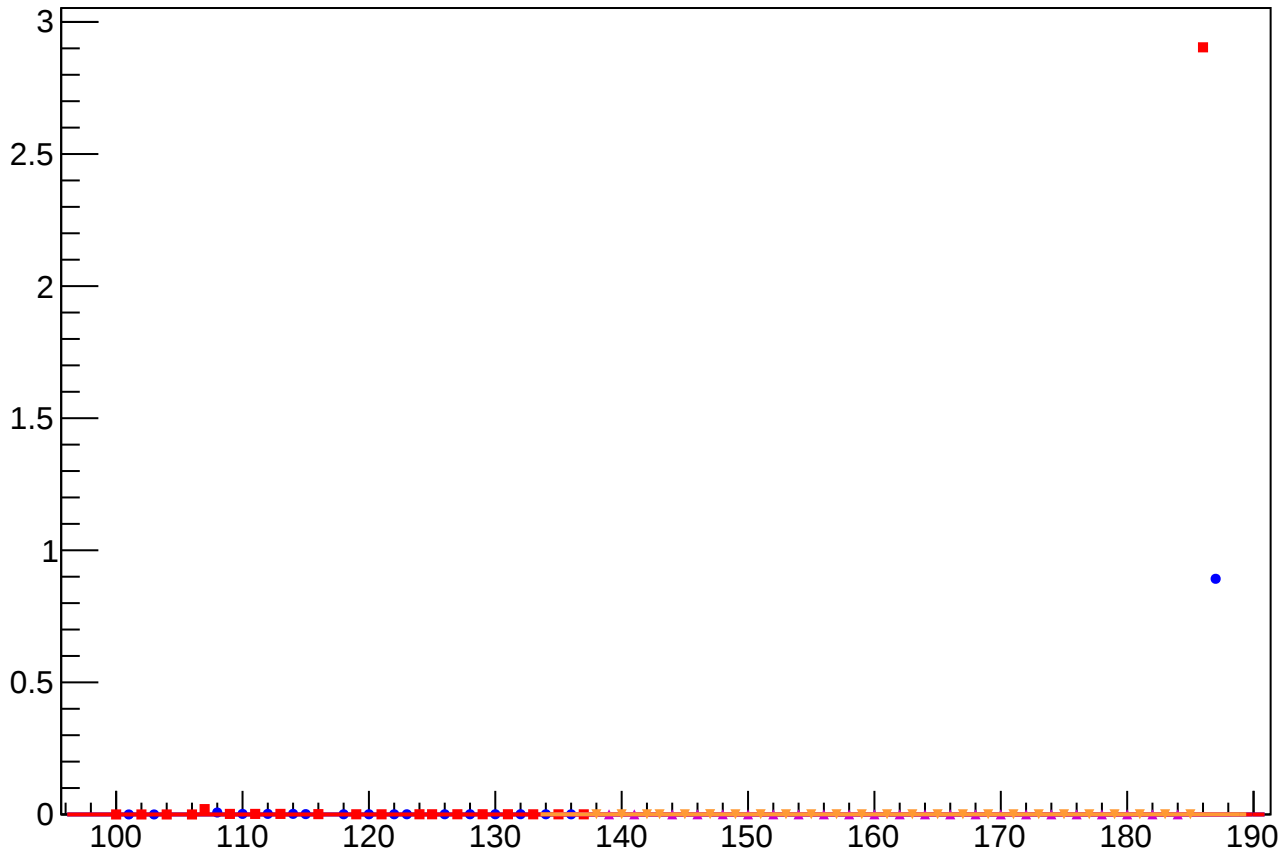
All: 0.000+/-0.000 χ^2/NDF : 74481071.0/85

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661+/-0.000	χ^2/NDF : 5658835185910.0/17	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 : 474000582750332.1
Right Out: 0.446+/-0.000	χ^2/NDF : 405428459804597.9/19	In: 0.647+/-0.000	χ^2/NDF : 33699570194047.6/40
Left In: -0.077+/-0.000	χ^2/NDF : 110762924.1/22	Out: 0.436+/-0.000	χ^2/NDF : 420589578547894.7/4
		All: 0.537+/-0.000	χ^2/NDF : 51584506495498

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 10240118.1/17

Left Out: 0.001+/-0.000 χ^2/NDF : 465981.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 10172950.2/19

Left In: 0.001+/-0.000 χ^2/NDF : 355509.7/22

Left: 0.001+/-0.000 χ^2/NDF : 822503.5/47

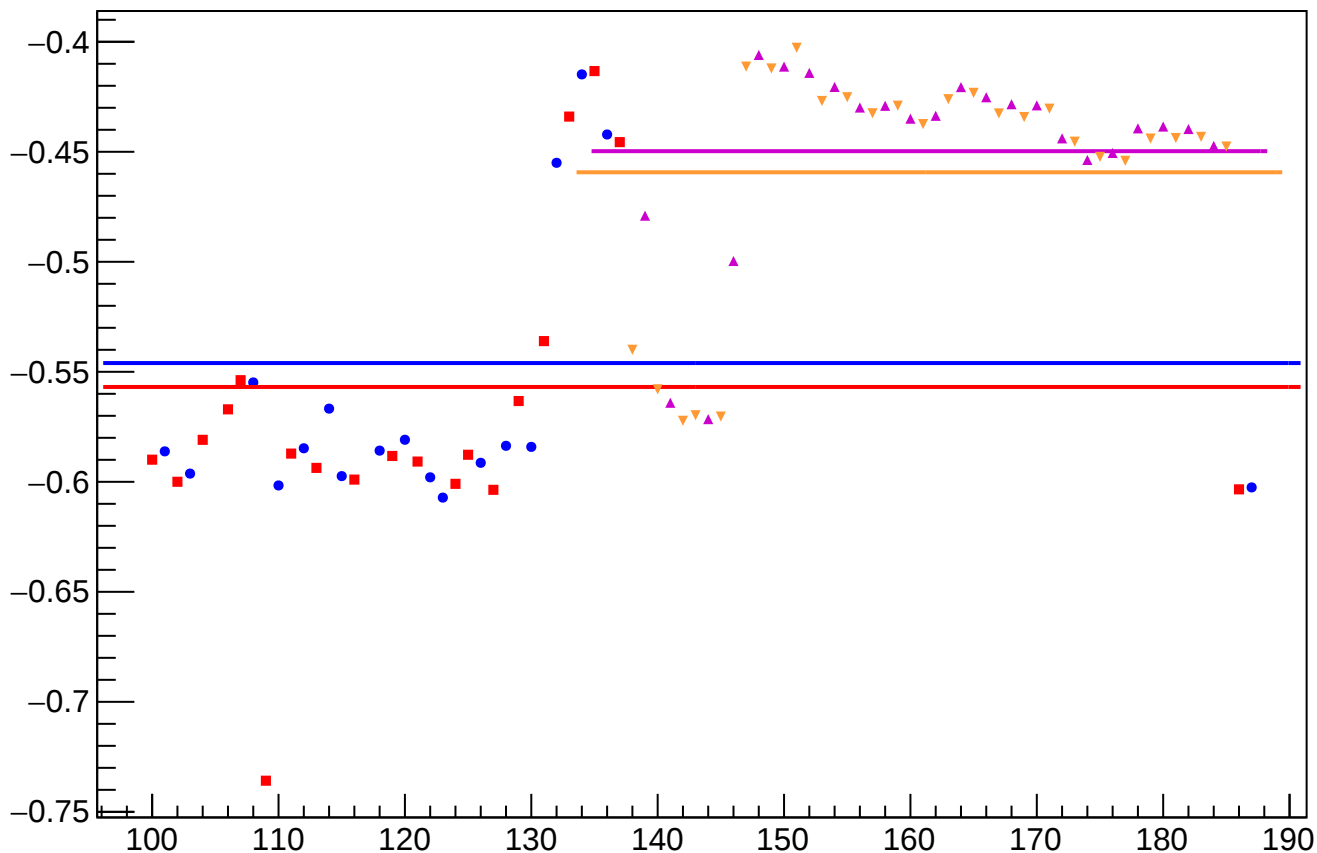
Right: 0.000+/-0.000 χ^2/NDF : 20413084.0/37

In: 0.000+/-0.000 χ^2/NDF : 40973248.9/40

Out: 0.000+/-0.000 χ^2/NDF : 42794977.0/44

All: 0.000+/-0.000 χ^2/NDF : 83768561.8/85

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.546 $\pm$ 0.000 χ^2 /NDF: 46533208.3/17

Left Out: -0.459 $\pm$ 0.000 χ^2 /NDF: 113602161.0/24

Right Out: -0.557 $\pm$ 0.000 χ^2 /NDF: 64480750.5/19

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

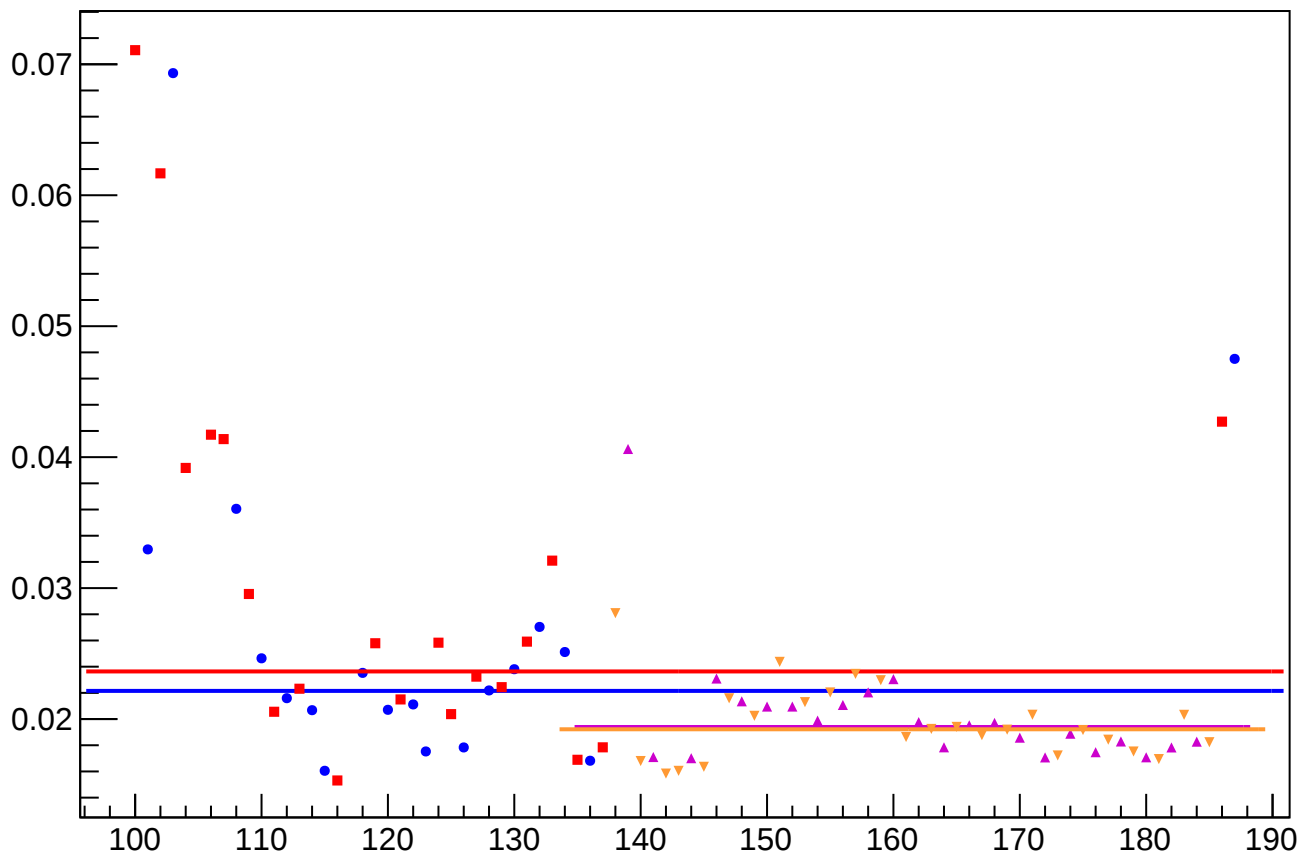
Right: -0.551 $\pm$ 0.000 χ^2 /NDF: 111622420.3/37

In: -0.471 $\pm$ 0.000 χ^2 /NDF: 199092142.9/40

Out: -0.479 $\pm$ 0.000 χ^2 /NDF: 254449506.3/44

All: -0.475 $\pm$ 0.000 χ^2 /NDF: 454981306.6/85

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 1040875.2/17

Left Out: 0.019+/-0.000 χ^2/NDF : 501711.6/24

Right Out: 0.024+/-0.000 χ^2/NDF : 1296968.3/19

Left In: 0.019+/-0.000 χ^2/NDF : 626443.5/22

Left: 0.019+/-0.000 χ^2/NDF : 1129330.7/47

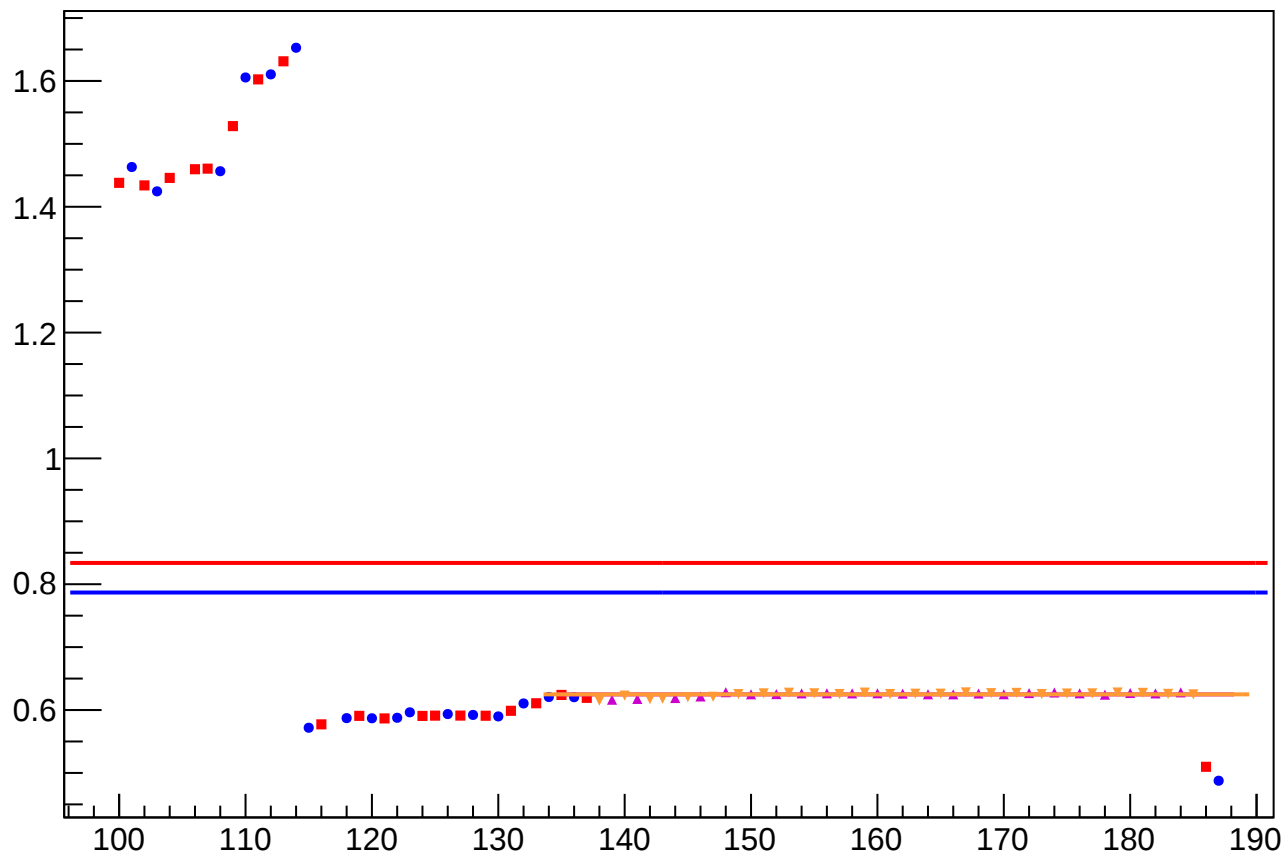
Right: 0.023+/-0.000 χ^2/NDF : 2360593.4/37

In: 0.020+/-0.000 χ^2/NDF : 1792582.6/40

Out: 0.020+/-0.000 χ^2/NDF : 2111656.0/44

All: 0.020+/-0.000 χ^2/NDF : 3904679.2/85

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.787 $\pm$ 0.000

χ^2 /NDF: 3586684382.3/17

Left: 0.625 $\pm$ 0.000 χ^2 /NDF: 2589565.7/47

Right: 0.810 $\pm$ 0.000 χ^2 /NDF: 7770214492.3/37

Left Out: 0.625 $\pm$ 0.000

χ^2 /NDF: 1445169.1/24

In: 0.658 $\pm$ 0.000 χ^2 /NDF: 4191090553.7/40

Right Out: 0.834 $\pm$ 0.000

χ^2 /NDF: 4152142483.9/19

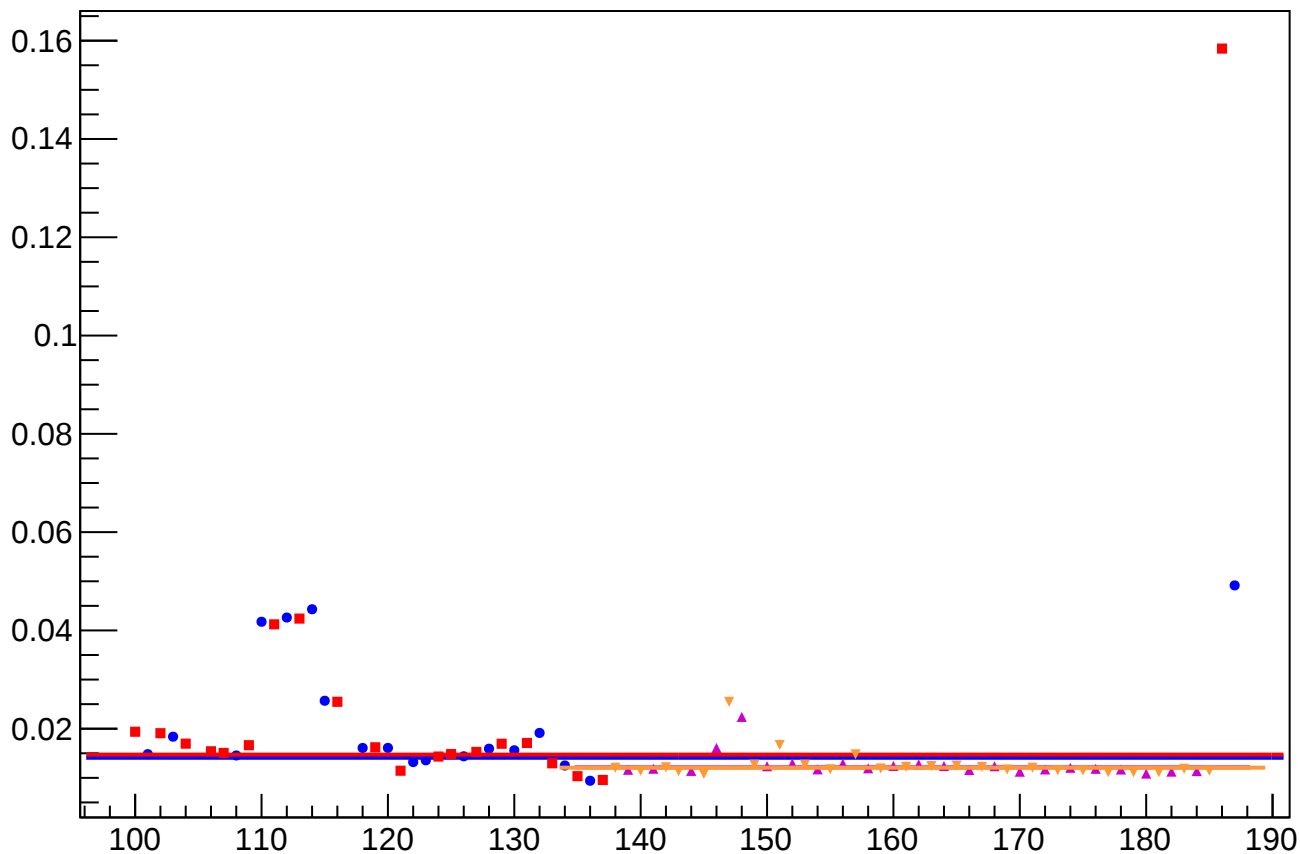
Out: 0.664 $\pm$ 0.000 χ^2 /NDF: 5143654218.8/44

Left In: 0.625 $\pm$ 0.000

χ^2 /NDF: 1143954.1/22

All: 0.661 $\pm$ 0.000 χ^2 /NDF: 9337697552.2/85

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1544691.7/17

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:657199.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1847994.5/19

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:488363.6/22

Left: 0.012 $\pm$ 0.000 χ^2 /NDF: 1146061.0/47

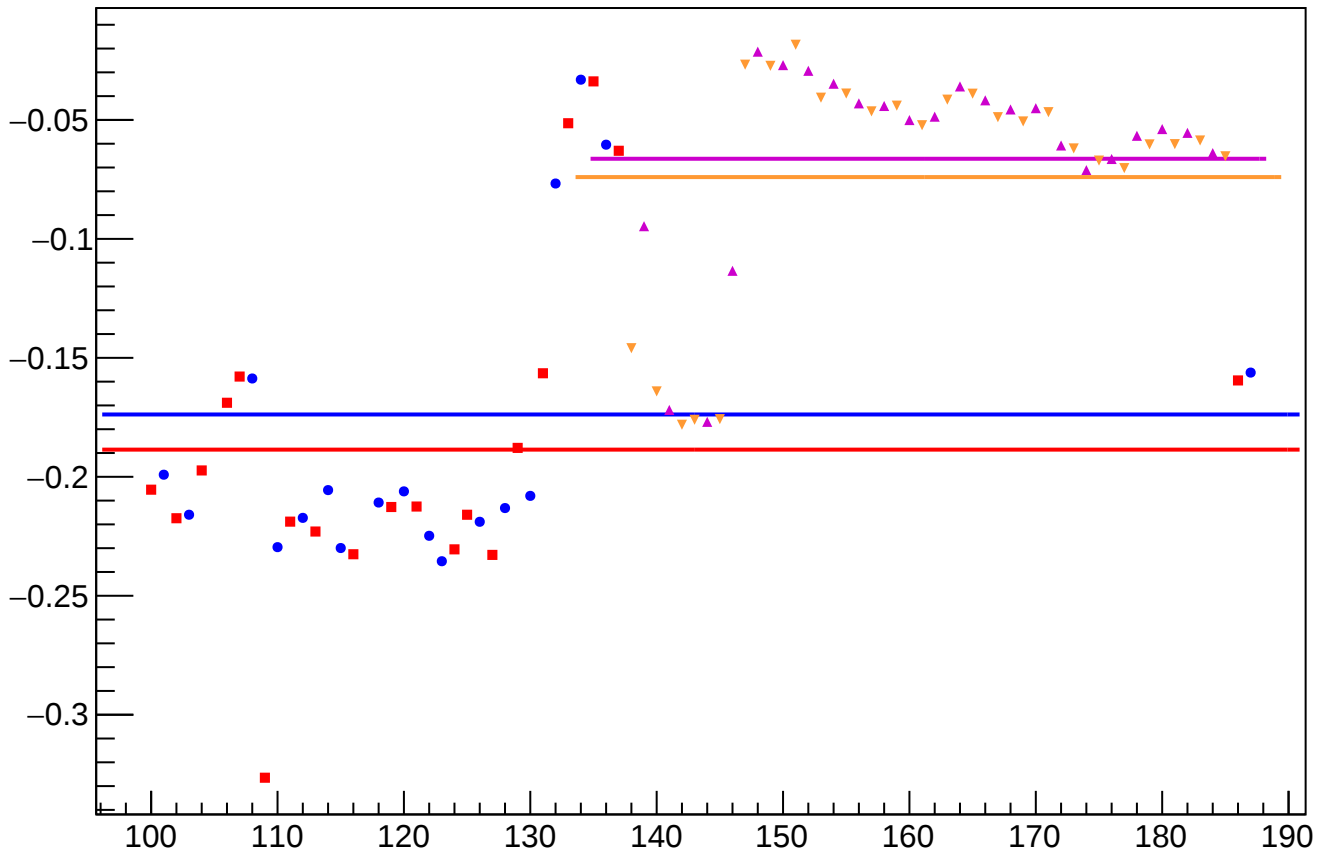
Right: 0.014 $\pm$ 0.000 χ^2 /NDF: 3404151.2/37

In: 0.013 $\pm$ 0.000 χ^2 /NDF:2209010.2/40

Out: 0.013 $\pm$ 0.000 χ^2 /NDF:2825429.4/44

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 5034625.9/85

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.174+/-0.000 χ^2/NDF : 66797845.9/17

Left Out: -0.074+/-0.000 χ^2/NDF : 107676601.9/24

Right Out: -0.189+/-0.000 χ^2/NDF : 82134551.8/19

Left In: -0.066+/-0.000 χ^2/NDF : 76243051.8/22

Left: -0.070+/-0.000 χ^2/NDF : 185076997.5/47

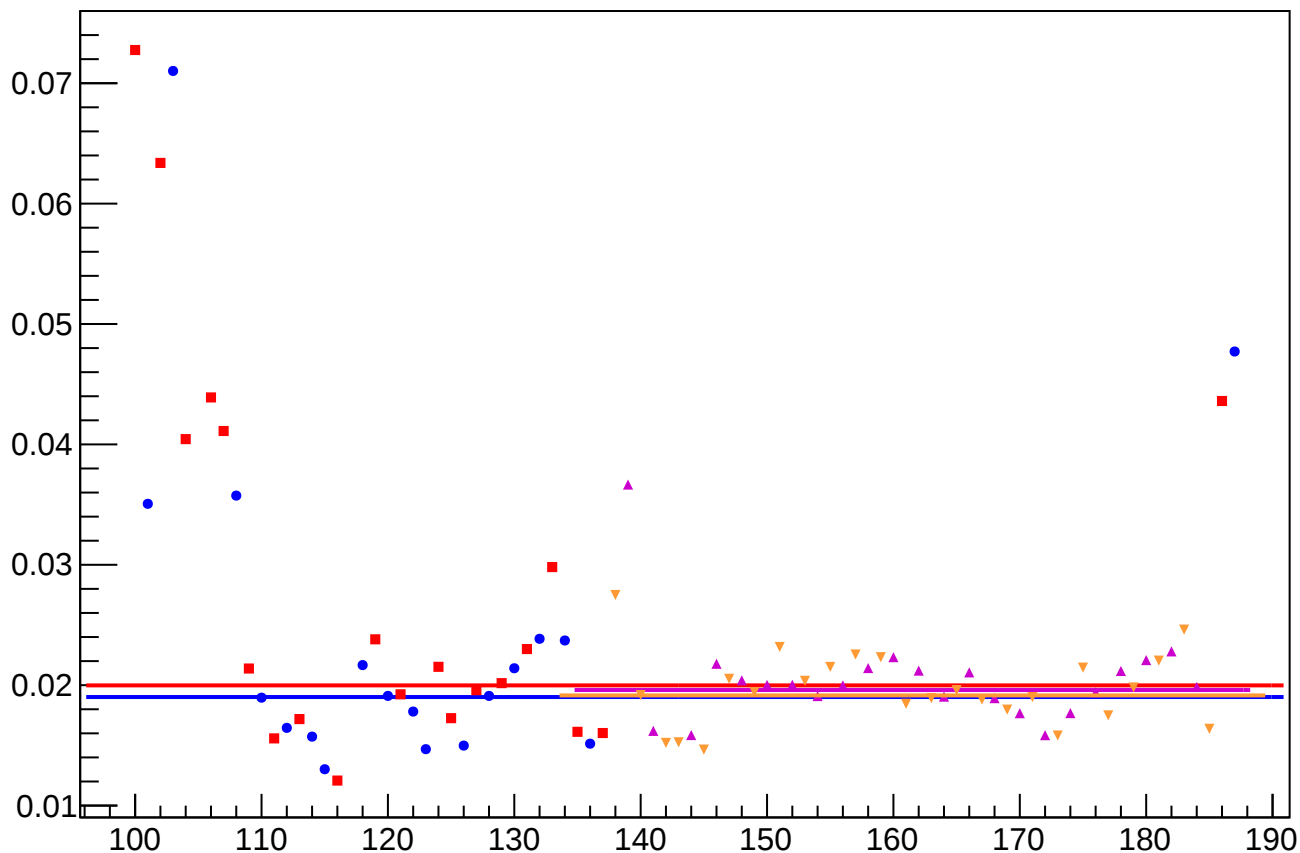
Right: -0.181+/-0.000 χ^2/NDF : 150441369.4/37

In: -0.096+/-0.000 χ^2/NDF : 260930572.6/40

Out: -0.102+/-0.000 χ^2/NDF : 323834402.1/44

All: -0.099+/-0.000 χ^2/NDF : 585920357.5/85

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1314984.1/17

Left Out: 0.019+/-0.000 χ^2/NDF : 641277.0/24

Right Out: 0.020+/-0.000 χ^2/NDF : 1663477.2/19

Left In: 0.020+/-0.000 χ^2/NDF : 623148.2/22

Left: 0.019+/-0.000 χ^2/NDF : 1272240.9/47

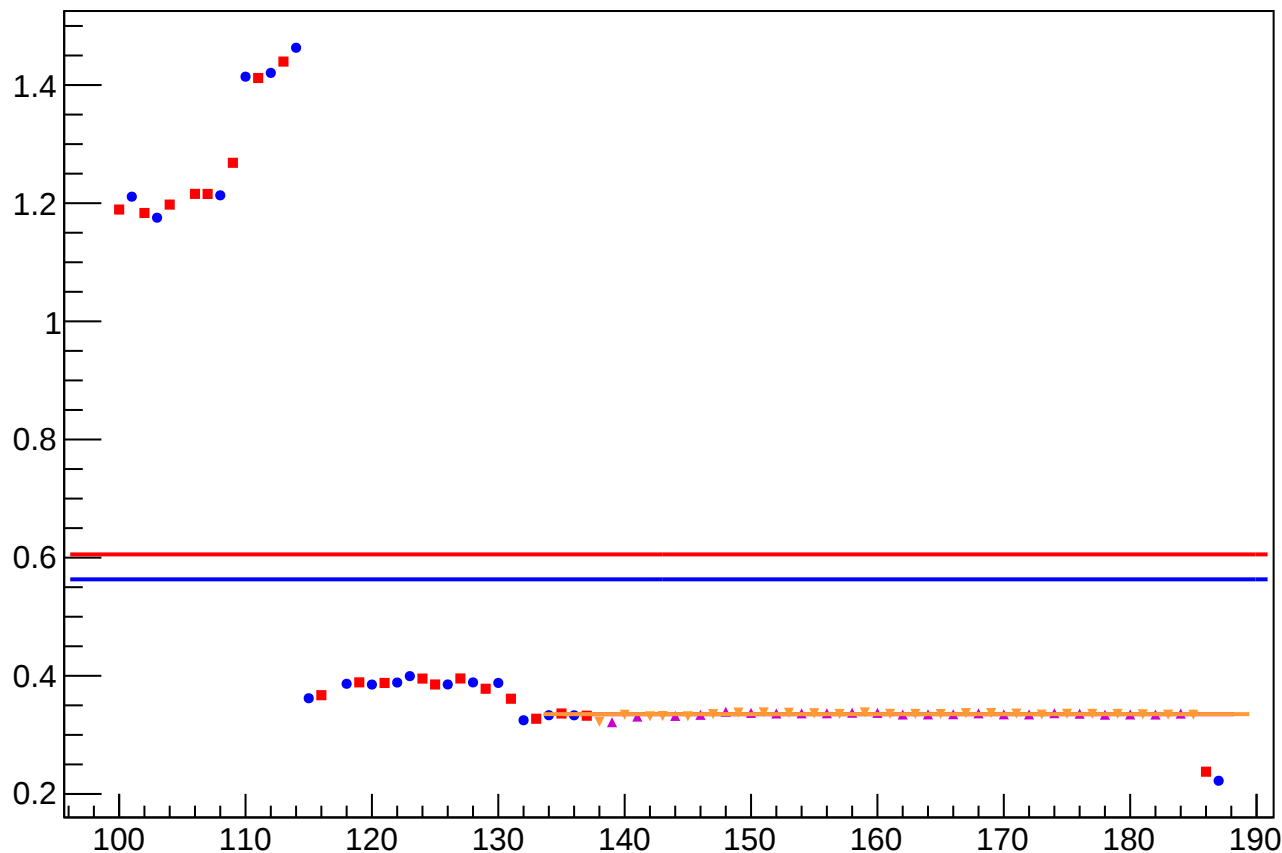
Right: 0.019+/-0.000 χ^2/NDF : 2991396.1/37

In: 0.019+/-0.000 χ^2/NDF : 1945035.2/40

Out: 0.019+/-0.000 χ^2/NDF : 2318934.8/44

All: 0.019+/-0.000 χ^2/NDF : 4264314.7/85

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.563+/-0.000 χ^2/NDF : 5055392059.6/17

Left Out: 0.335+/-0.000 χ^2/NDF : 1154310.3/24

Right Out: 0.605+/-0.000 χ^2/NDF : 5533644928.7/19

Left In: 0.335+/-0.000 χ^2/NDF : 1202194.8/22

Left: 0.335+/-0.000 χ^2/NDF : 2356931.1/47

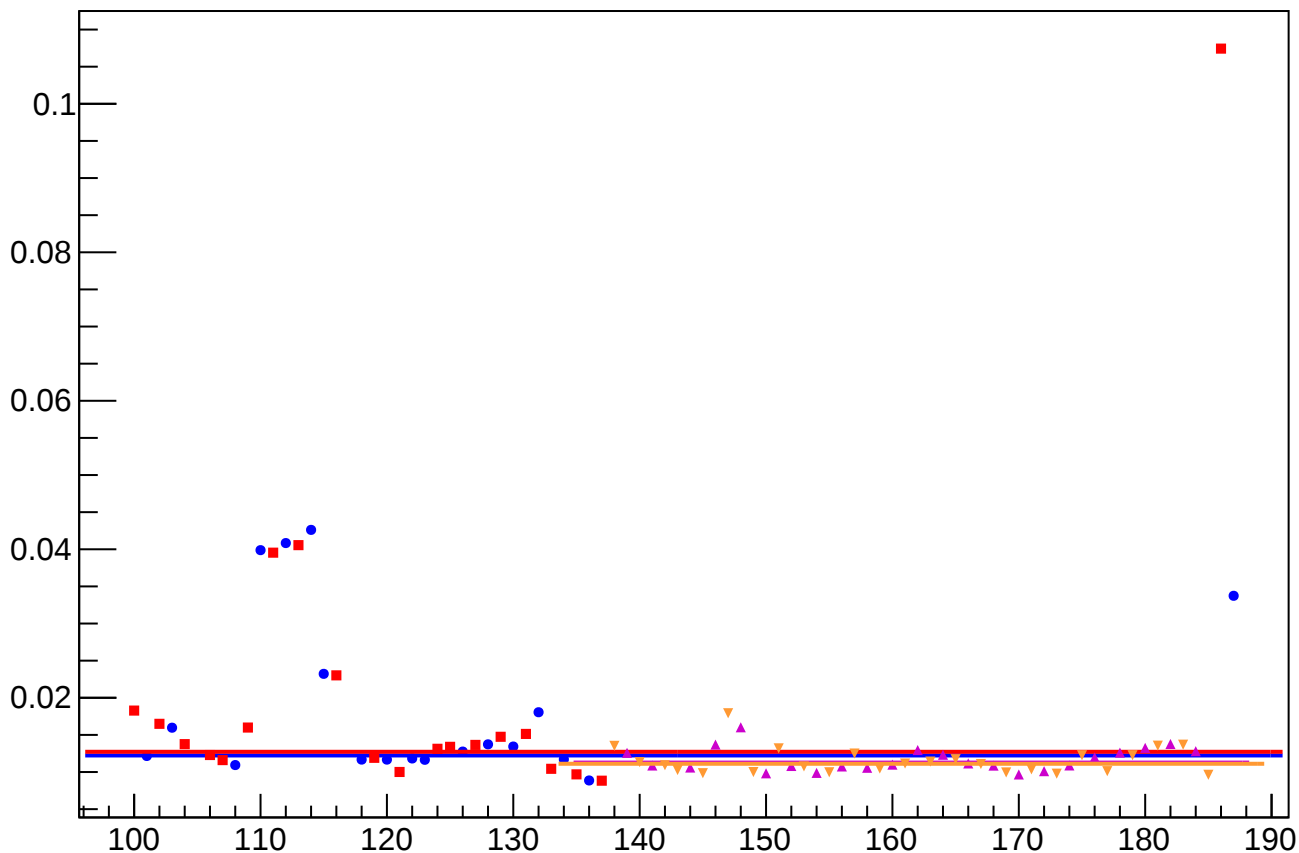
Right: 0.584+/-0.000 χ^2/NDF : 10622446966.0/37

In: 0.387+/-0.000 χ^2/NDF : 6598516625.9/40

Out: 0.391+/-0.000 χ^2/NDF : 7667662594.7/44

All: 0.389+/-0.000 χ^2/NDF : 14267435529.4/88

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1419365.8/17

Left Out: 0.011+/-0.000 χ^2/NDF : 607532.0/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1822789.0/19

Left In: 0.011+/-0.000 χ^2/NDF : 502455.5/22

Left: 0.011+/-0.000 χ^2/NDF : 1113465.5/47

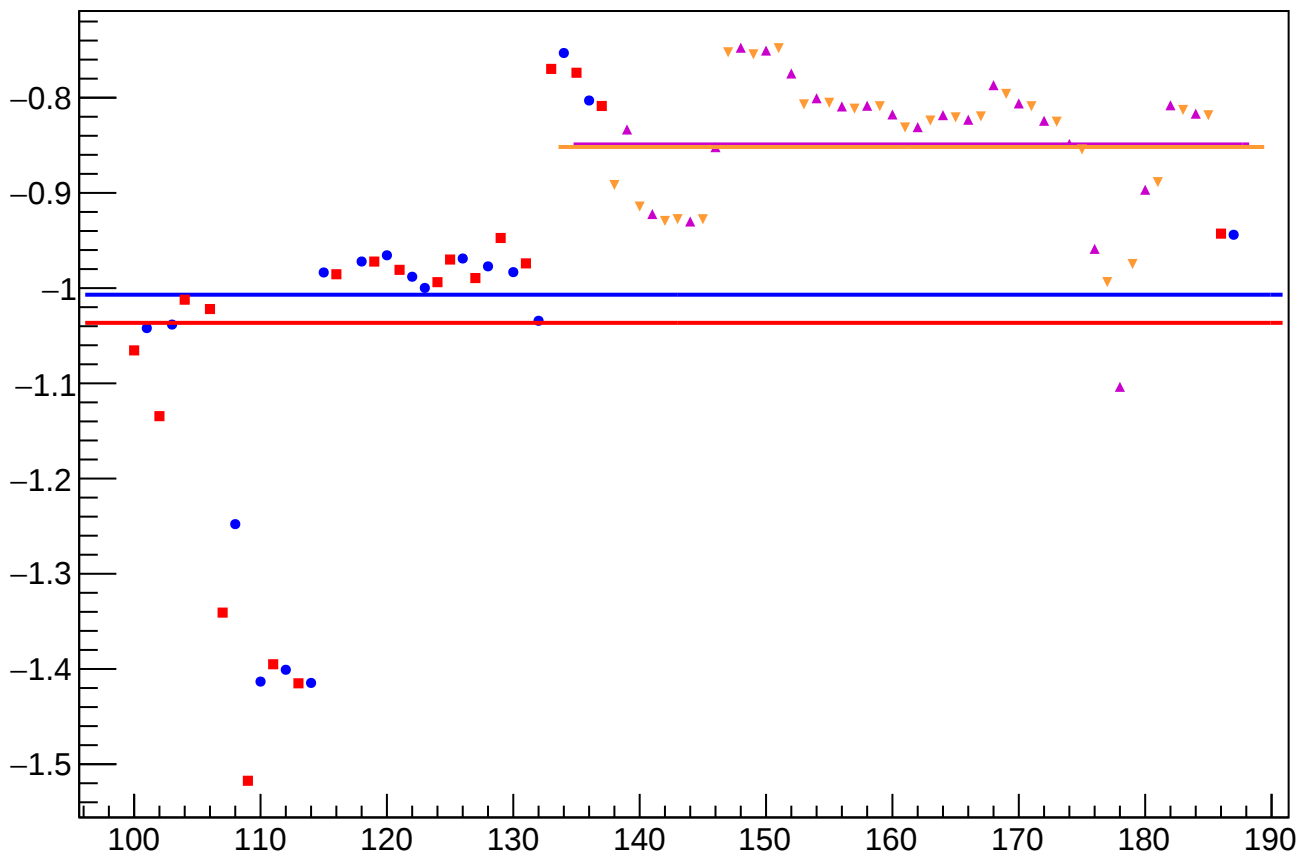
Right: 0.012+/-0.000 χ^2/NDF : 3251358.4/37

In: 0.011+/-0.000 χ^2/NDF : 1976155.3/40

Out: 0.011+/-0.000 χ^2/NDF : 2582256.9/44

All: 0.011+/-0.000 χ^2/NDF : 4558776.3/85

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.007±/0.000 χ^2/NDF : 393852985.8/17

Left Out: -0.852±/0.000 χ^2/NDF :189103962.4/24

Right Out: -1.036±/0.000 χ^2/NDF : 537408917.6/19

Left In: -0.849±/0.000 χ^2/NDF :256391274.4/22

Left: -0.850±/0.000 χ^2/NDF : 445636655.2/47

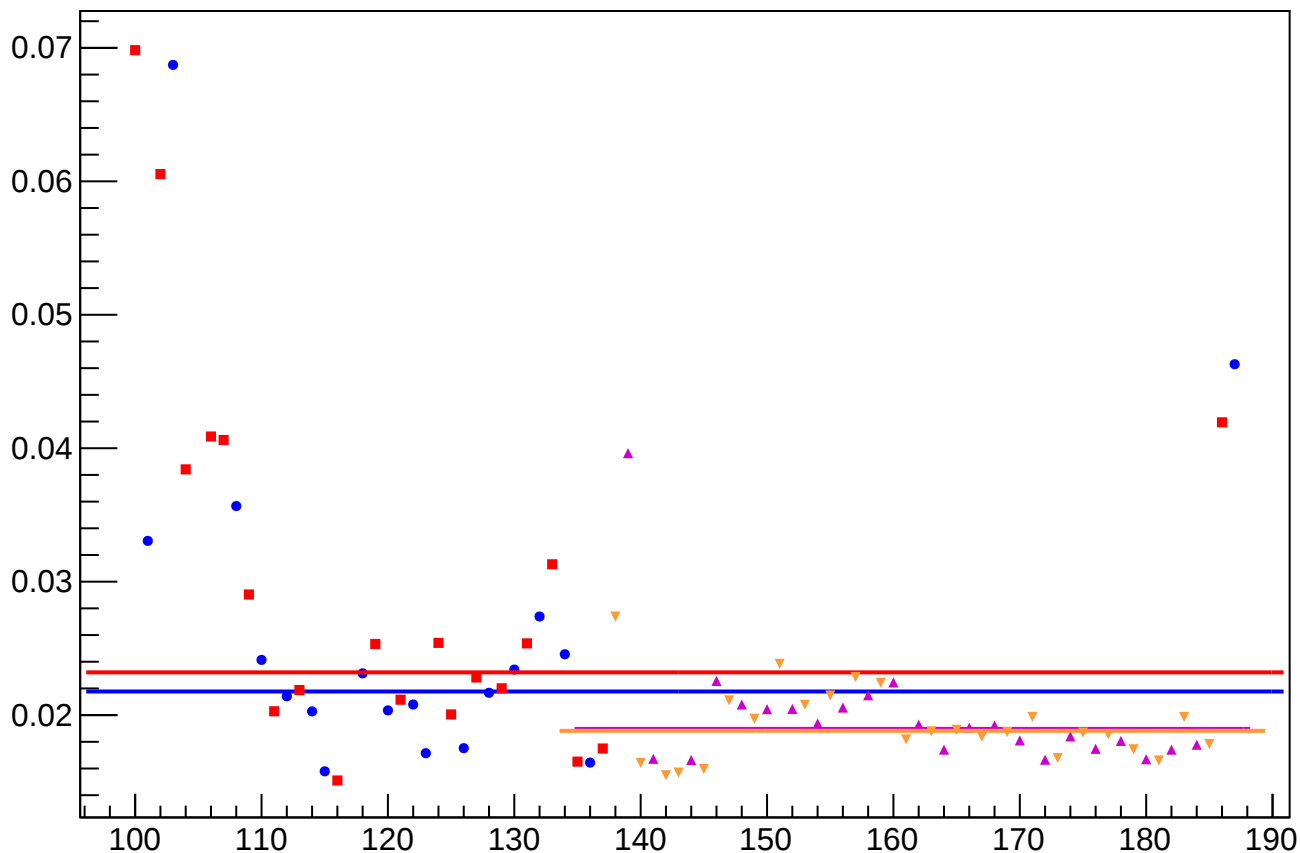
Right: -1.021±/0.000 χ^2/NDF : 935916102.8/37

In: -0.884±/0.000 χ^2/NDF :862987031.5/40

Out: -0.888±/0.000 χ^2/NDF :1010221826.6/44

All: -0.886±/0.000 χ^2/NDF : 1873751610.7/8

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 1064600.9/17

Left Out: 0.019+/-0.000 χ^2/NDF : 490509.4/24

Right Out: 0.023+/-0.000 χ^2/NDF : 1293192.5/19

Left In: 0.019+/-0.000 χ^2/NDF : 615173.8/22

Left: 0.019+/-0.000 χ^2/NDF : 1106521.0/47

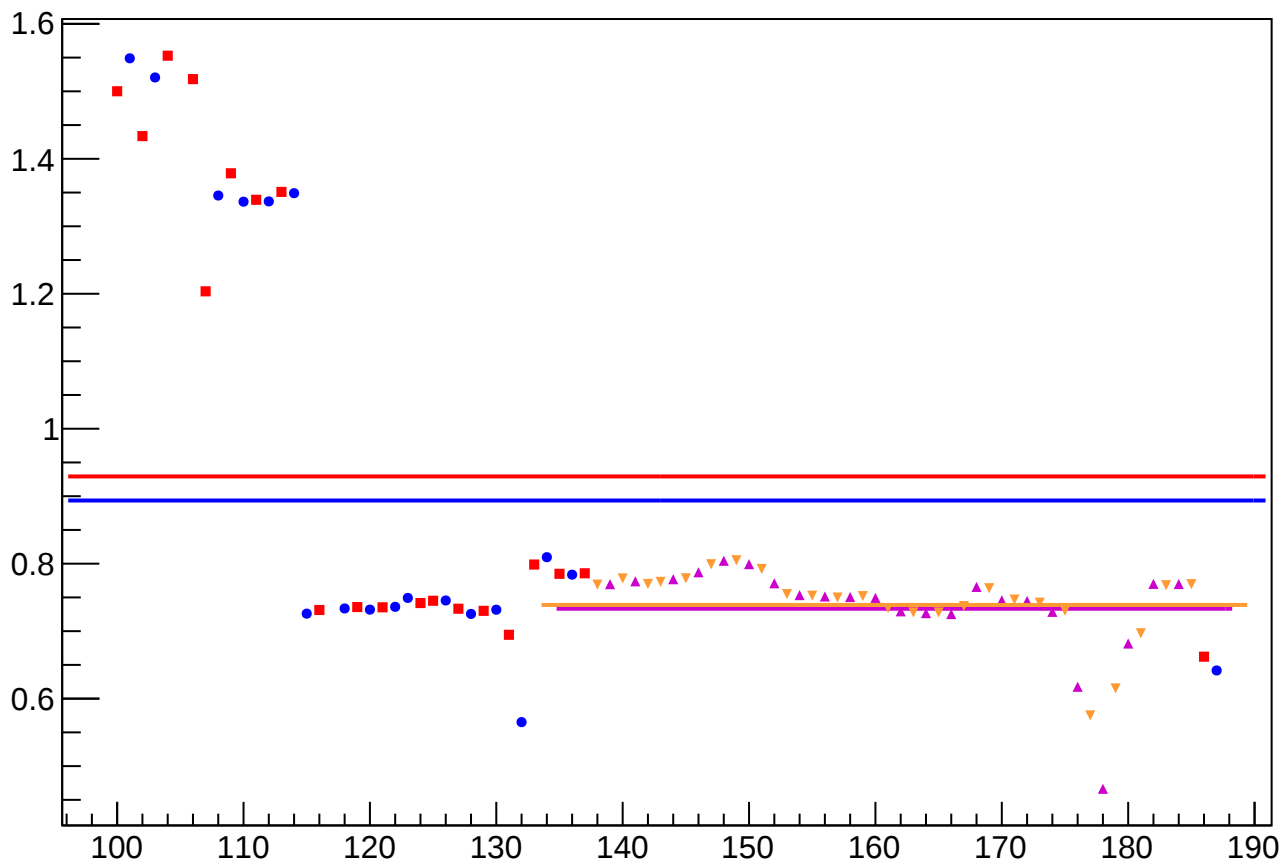
Right: 0.022+/-0.000 χ^2/NDF : 2379723.5/37

In: 0.020+/-0.000 χ^2/NDF : 1814010.8/40

Out: 0.020+/-0.000 χ^2/NDF : 2103000.3/44

All: 0.020+/-0.000 χ^2/NDF : 3917621.3/85

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.894 $\pm$ 0.000 χ^2 /NDF: 2402792113.3/17

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF:333013236.5/24

Right Out: 0.929 $\pm$ 0.000 χ^2 /NDF: 2423051847.2/19

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

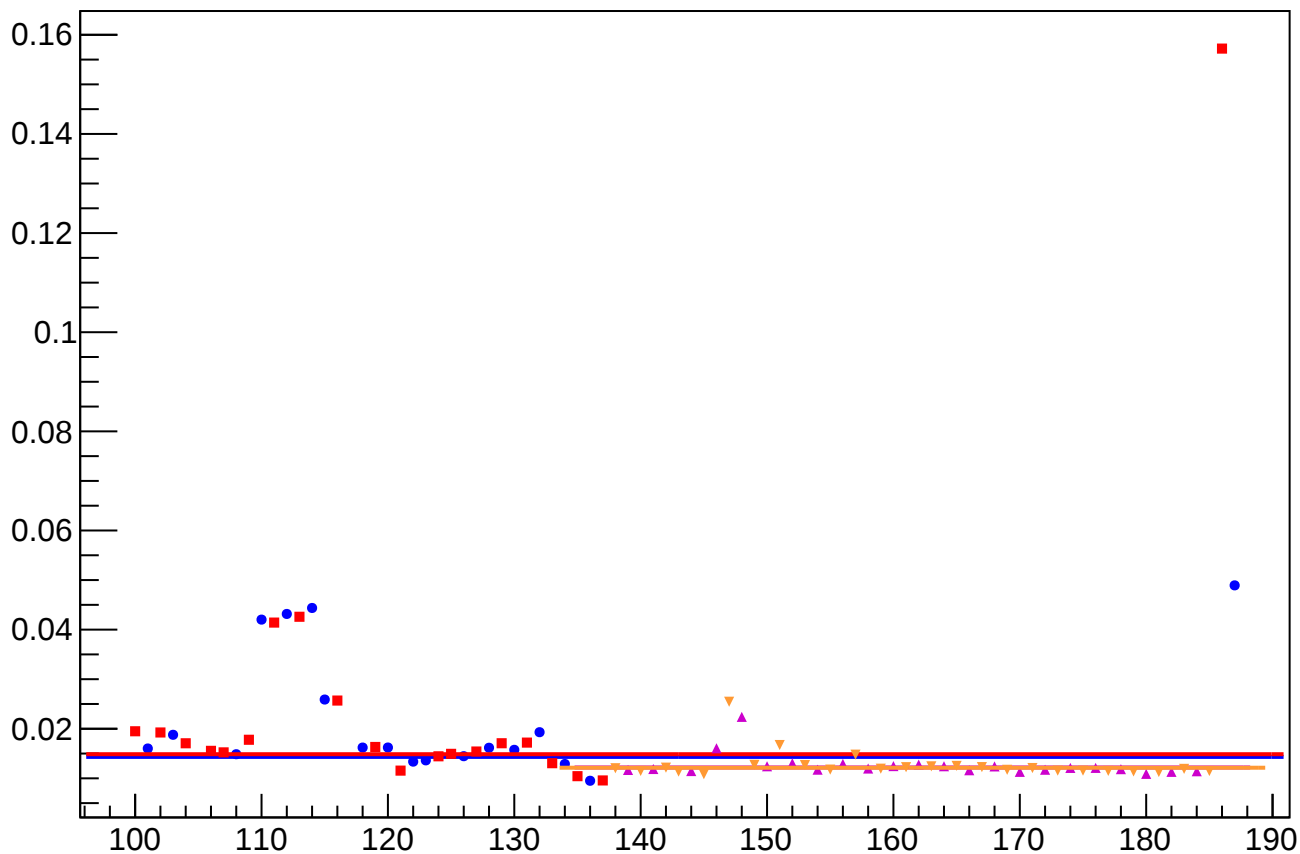
Right: 0.911 $\pm$ 0.000 χ^2 /NDF: 4843345068.2/37

In: 0.765 $\pm$ 0.000 χ^2 /NDF:3545171505.4/40

Out: 0.774 $\pm$ 0.000 χ^2 /NDF:3561630771.0/44

All: 0.770 $\pm$ 0.000 χ^2 /NDF: 7112902397.5/85

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2 /NDF: 1552295.8/17

Left Out: 0.012+/-0.000 χ^2 /NDF:637986.2/24

Right Out: 0.015+/-0.000 χ^2 /NDF: 1855724.0/19

Left In: 0.012+/-0.000 χ^2 /NDF:481830.1/22

Left: 0.012+/-0.000 χ^2 /NDF: 1120125.6/47

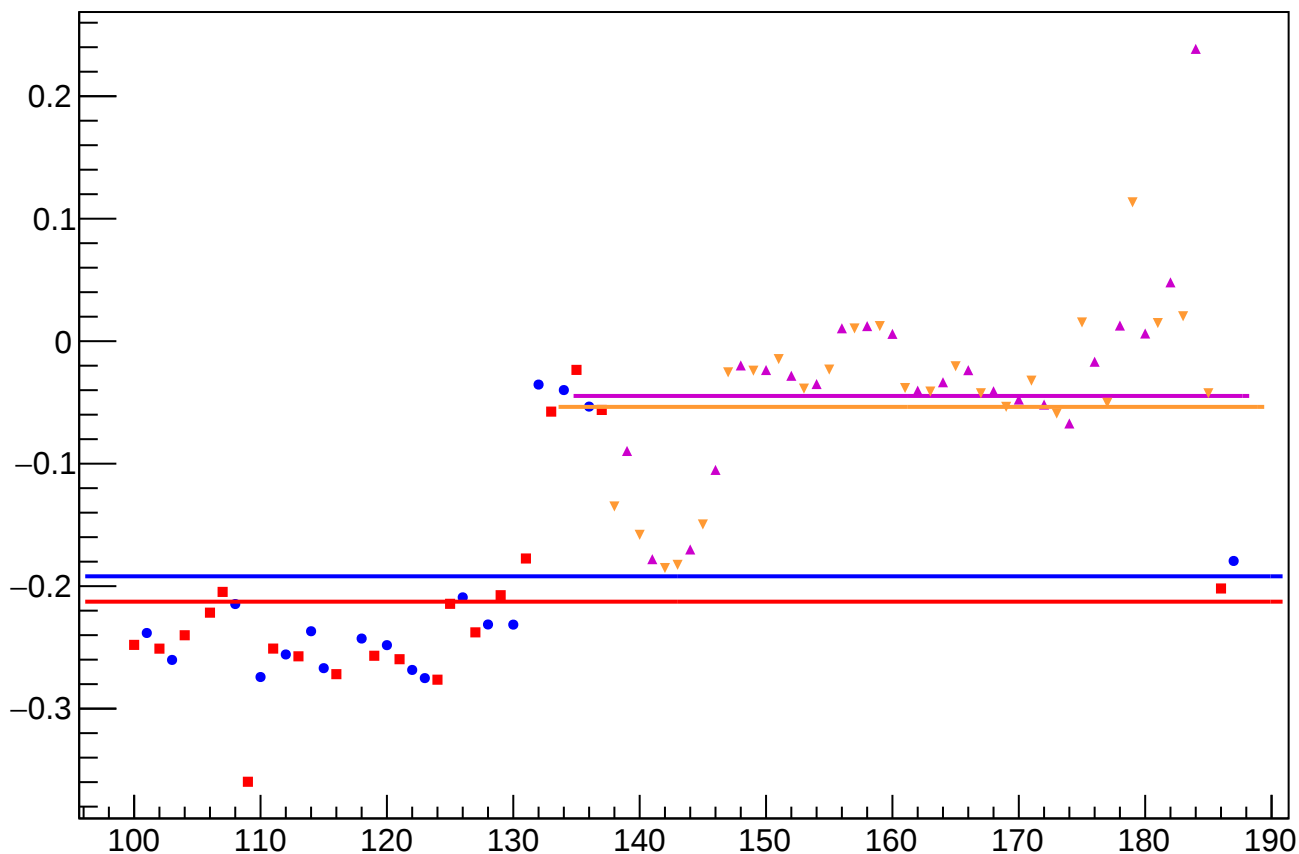
Right: 0.015+/-0.000 χ^2 /NDF: 3416097.7/37

In: 0.013+/-0.000 χ^2 /NDF:2237049.2/40

Out: 0.013+/-0.000 χ^2 /NDF:2824403.3/44

All: 0.013+/-0.000 χ^2 /NDF: 5061601.6/85

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.192 ± 0.000 $\chi^2/\text{NDF}: 106210097.7/17$

Left Out: -0.054 ± 0.000 $\chi^2/\text{NDF}: 167834173.6/24$

Right Out: -0.213 ± 0.000 $\chi^2/\text{NDF}: 110543823.5/19$

Left In: -0.045 ± 0.000 $\chi^2/\text{NDF}: 127192425.2/22$

Left: -0.049 ± 0.000 $\chi^2/\text{NDF}: 296566503.6/47$

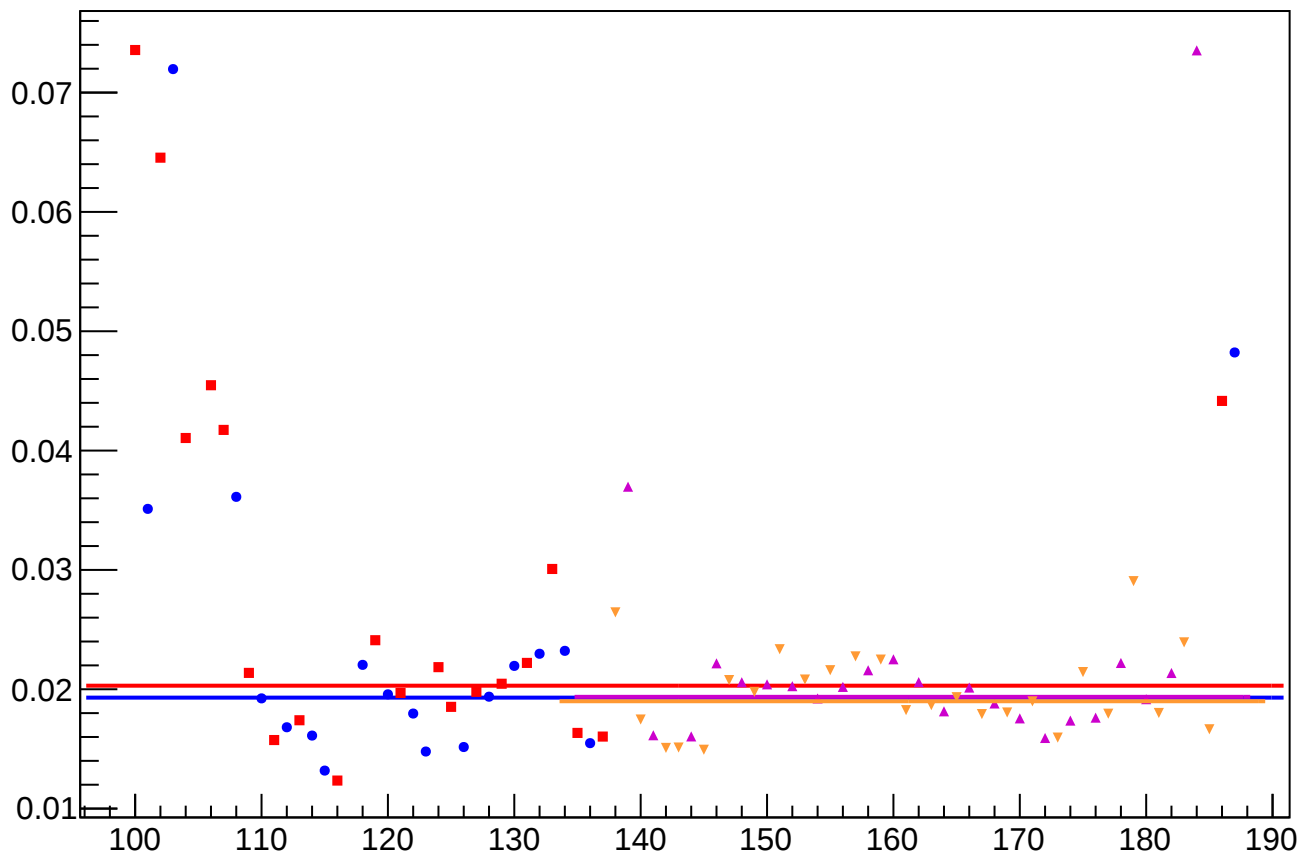
Right: -0.202 ± 0.000 $\chi^2/\text{NDF}: 219630590.7/37$

In: -0.085 ± 0.000 $\chi^2/\text{NDF}: 449912859.5/40$

Out: -0.093 ± 0.000 $\chi^2/\text{NDF}: 529388882.2/44$

All: -0.089 ± 0.000 $\chi^2/\text{NDF}: 981018008.4/85$

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1285381.6/17

Left Out: 0.019+/-0.000 χ^2/NDF : 700229.7/24

Right Out: 0.020+/-0.000 χ^2/NDF : 1653440.4/19

Left In: 0.019+/-0.000 χ^2/NDF : 858216.8/22

Left: 0.019+/-0.000 χ^2/NDF : 1563699.1/47

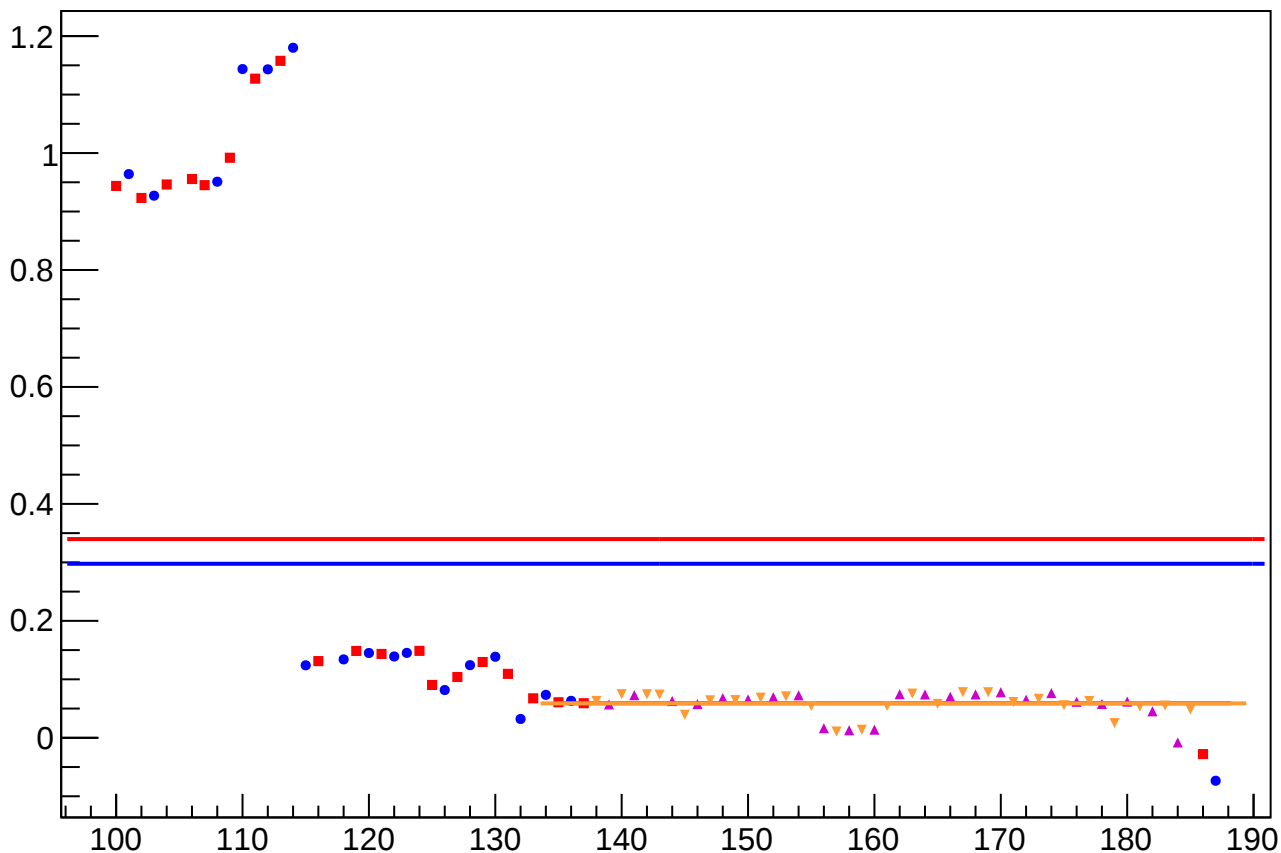
Right: 0.020+/-0.000 χ^2/NDF : 2952250.0/37

In: 0.019+/-0.000 χ^2/NDF : 2143687.1/40

Out: 0.019+/-0.000 χ^2/NDF : 2387357.1/44

All: 0.019+/-0.000 χ^2/NDF : 4531095.1/85

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.298+/-0.000

χ^2/NDF : 5198079836.6/17

Left: 0.059+/-0.000 χ^2/NDF : 105343775.2/47

Right: 0.318+/-0.000 χ^2/NDF : 10709803810.7/37

Left Out: 0.059+/-0.000

χ^2/NDF : 46821236.8/24

In: 0.112+/-0.000 χ^2/NDF : 6976786358.6/40

Right Out: 0.340+/-0.000

χ^2/NDF : 5477919892.5/19

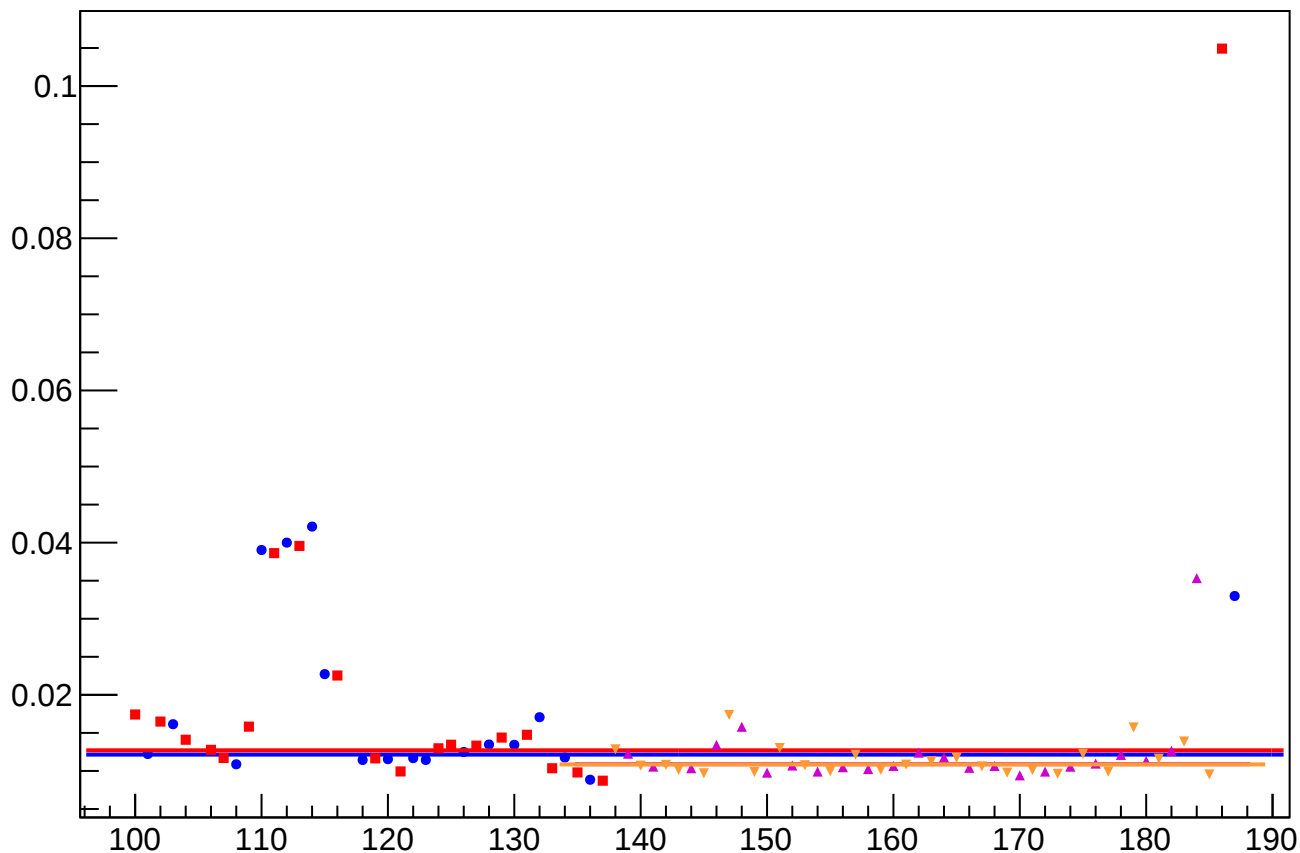
Out: 0.116+/-0.000 χ^2/NDF : 7841833902.7/44

Left In: 0.059+/-0.000

χ^2/NDF : 58518655.0/22

All: 0.114+/-0.000 χ^2/NDF : 14820018658.4/8

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1389923.9/17

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:604787.9/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1786468.3/19

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

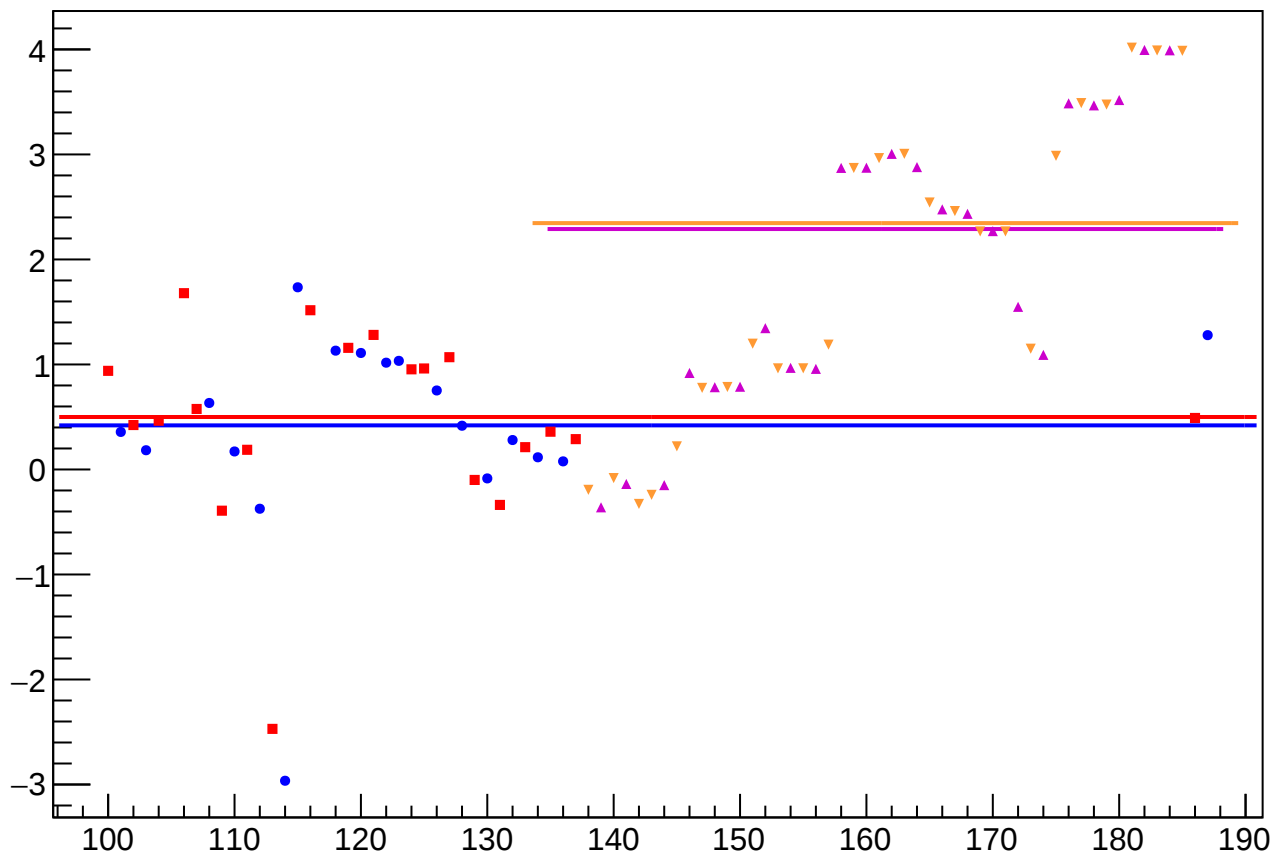
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 3188349.9/37

In: 0.011 $\pm$ 0.000 χ^2 /NDF:2015581.6/40

Out: 0.011 $\pm$ 0.000 χ^2 /NDF:2592035.6/44

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 4608411.2/85

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.420 $\pm$ 0.000

χ^2/NDF : 294495079.0/17

Left: 2.318 $\pm$ 0.000 χ^2/NDF : 124438674298.4/47

Right: 0.459 $\pm$ 0.000 χ^2/NDF : 1283225770.3/37

Left Out: 2.346 $\pm$ 0.000

χ^2/NDF : 63481331015.4/24

In: 2.226 $\pm$ 0.000 χ^2/NDF : 67290220749.4/40

Right Out: 0.500 $\pm$ 0.000

χ^2/NDF : 983060385.2/19

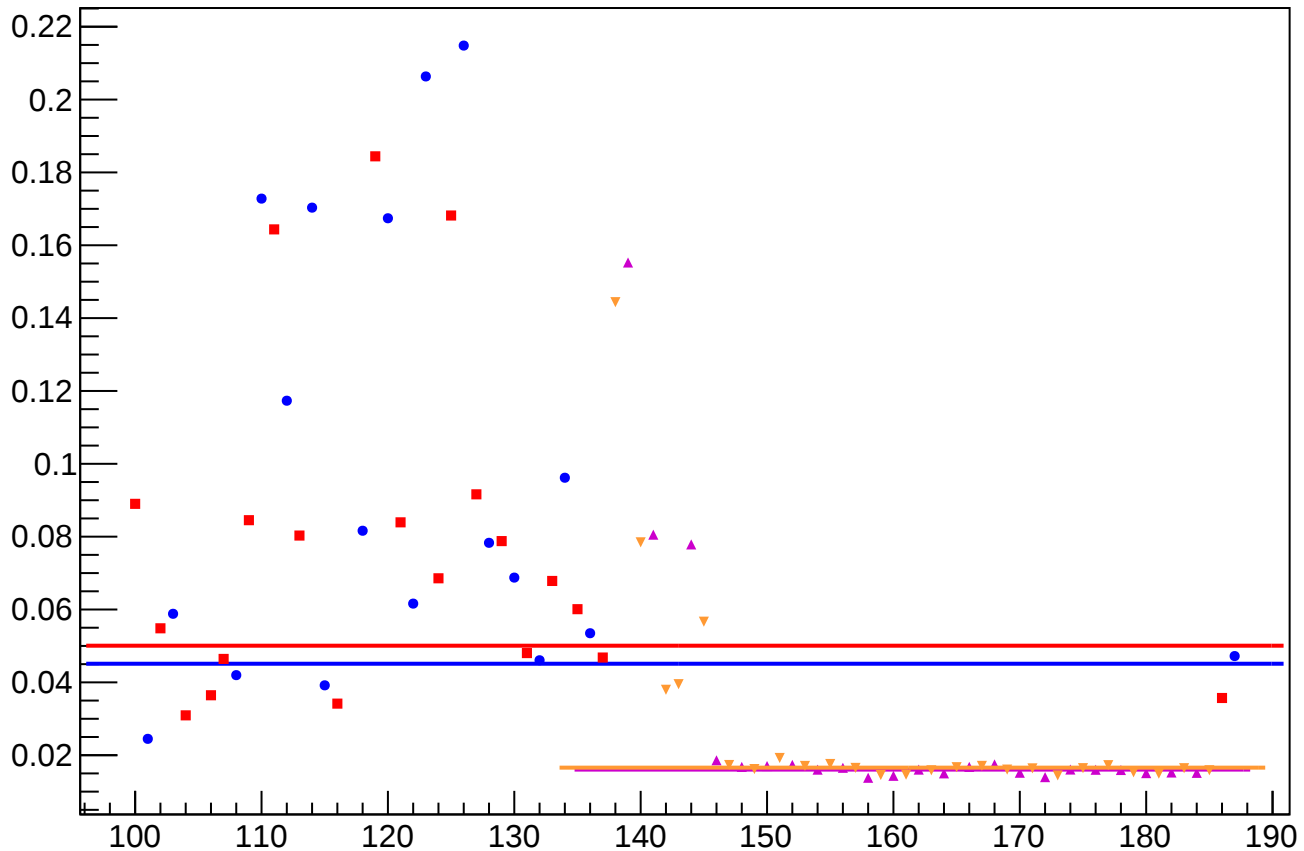
Out: 2.285 $\pm$ 0.000 χ^2/NDF : 70231620841.0/44

Left In: 2.290 $\pm$ 0.000

χ^2/NDF : 60875537647.3/22

All: 2.255 $\pm$ 0.000 χ^2/NDF : 137612063997.0

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045 $\pm$ 0.000 χ^2 /NDF: 2831259.9/17

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2621162.1/24

Right Out: 0.050 $\pm$ 0.000 χ^2 /NDF: 2303294.8/19

Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2394376.5/22

Left: 0.016 $\pm$ 0.000 χ^2 /NDF: 5030430.5/47

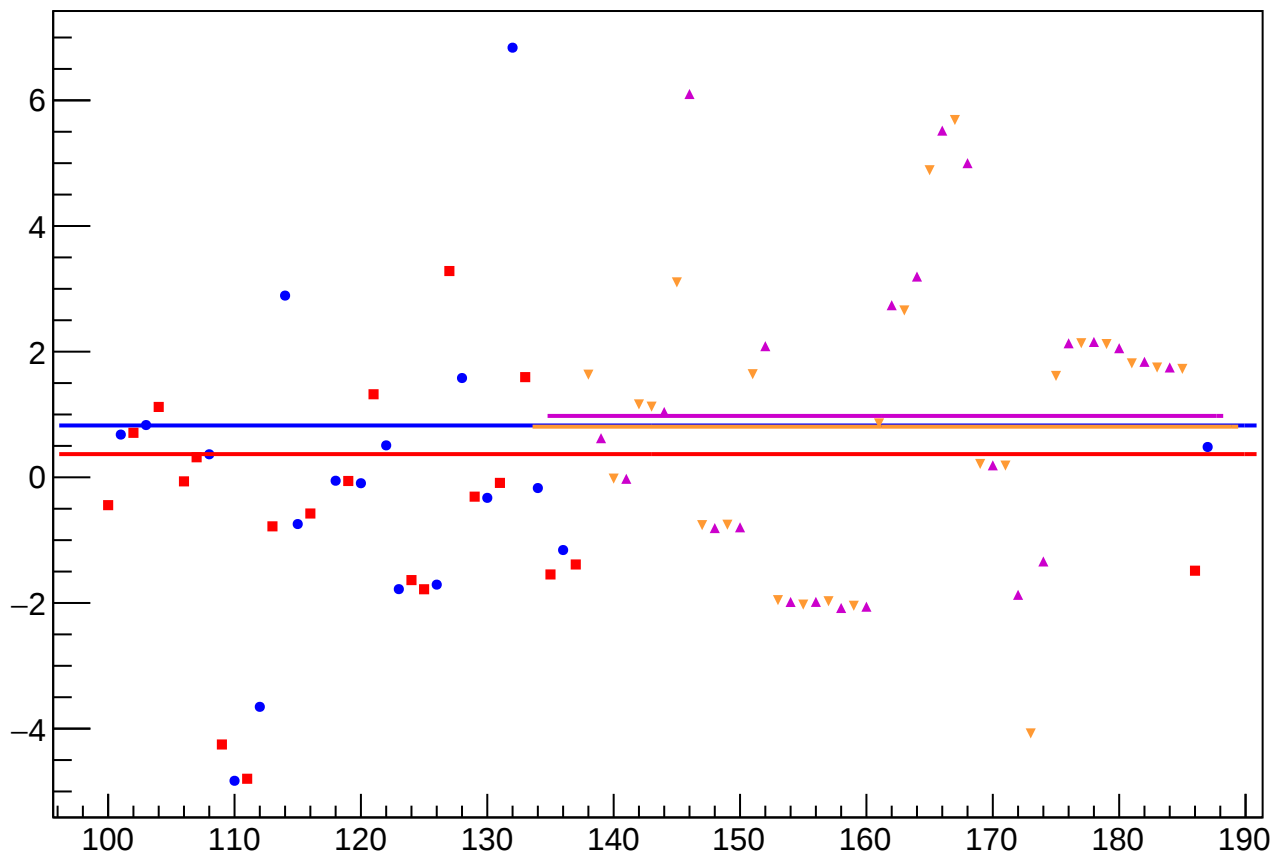
Right: 0.048 $\pm$ 0.000 χ^2 /NDF: 5178225.3/37

In: 0.017 $\pm$ 0.000 χ^2 /NDF:8183772.3/40

Out: 0.018 $\pm$ 0.000 χ^2 /NDF:8717123.1/44

All: 0.017 $\pm$ 0.000 χ^2 /NDF: 16924662.4/85

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.825+/-0.000

χ^2/NDF : 10937836203.8/17

Left Out: 0.806+/-0.000

χ^2/NDF : 507578952196.2/24

Right Out: 0.369+/-0.000

χ^2/NDF : 4993173320.4/19

Left In: 0.977+/-0.000

χ^2/NDF : 568209676597.4/22

Left: 0.892+/-0.000

χ^2/NDF : 1077036497291.8/47

Right: 0.611+/-0.000

χ^2/NDF : 16317425564.4/37

In: 0.971+/-0.000

χ^2/NDF : 579235169065.5/40

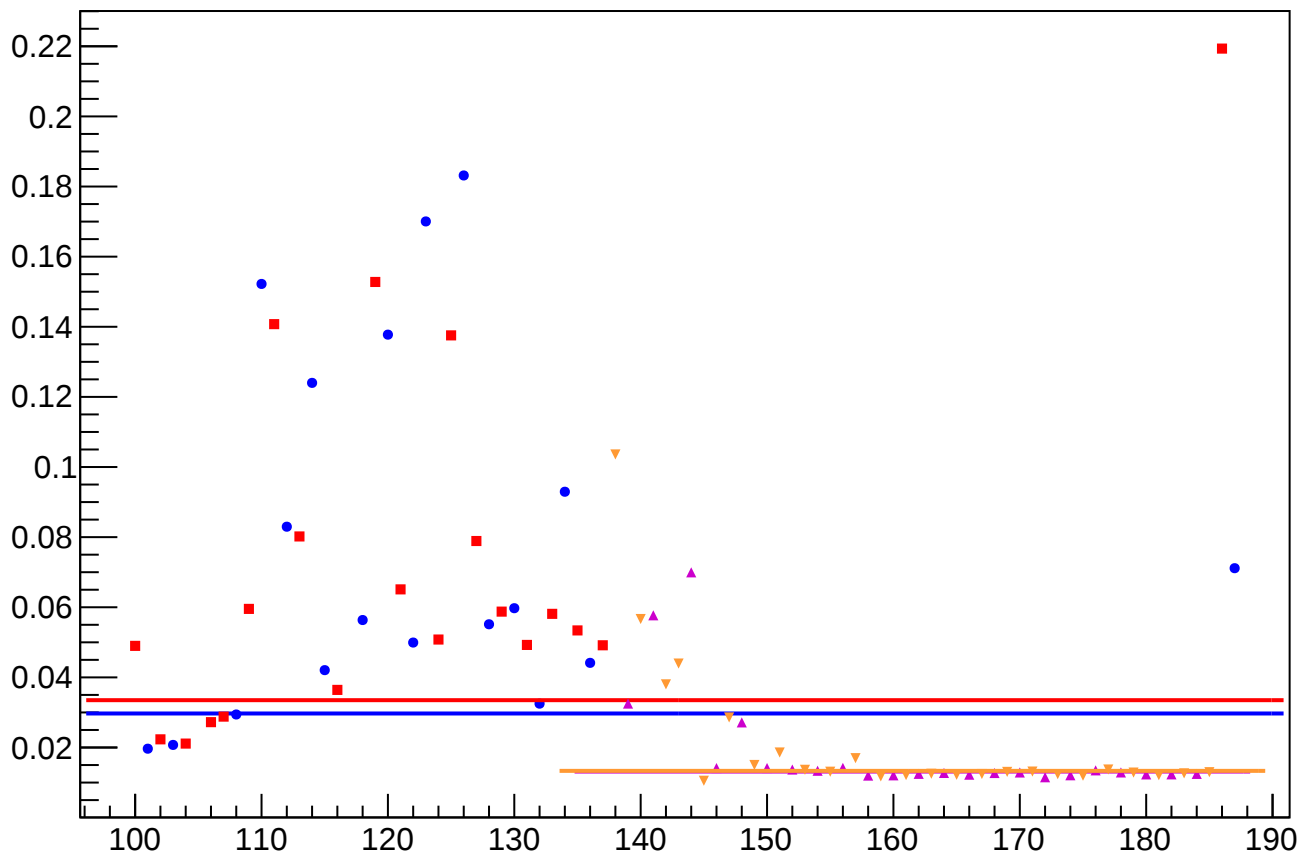
Out: 0.789+/-0.000

χ^2/NDF : 513213836543.6/44

All: 0.880+/-0.000

χ^2/NDF : 1093916973466.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF : 3128717.1/17

Left Out: 0.013+/-0.000 χ^2/NDF : 2829753.9/24

Right Out: 0.033+/-0.000 χ^2/NDF : 3582495.9/19

Left In: 0.013+/-0.000 χ^2/NDF : 1946693.6/22

Left: 0.013+/-0.000 χ^2/NDF : 4779900.3/47

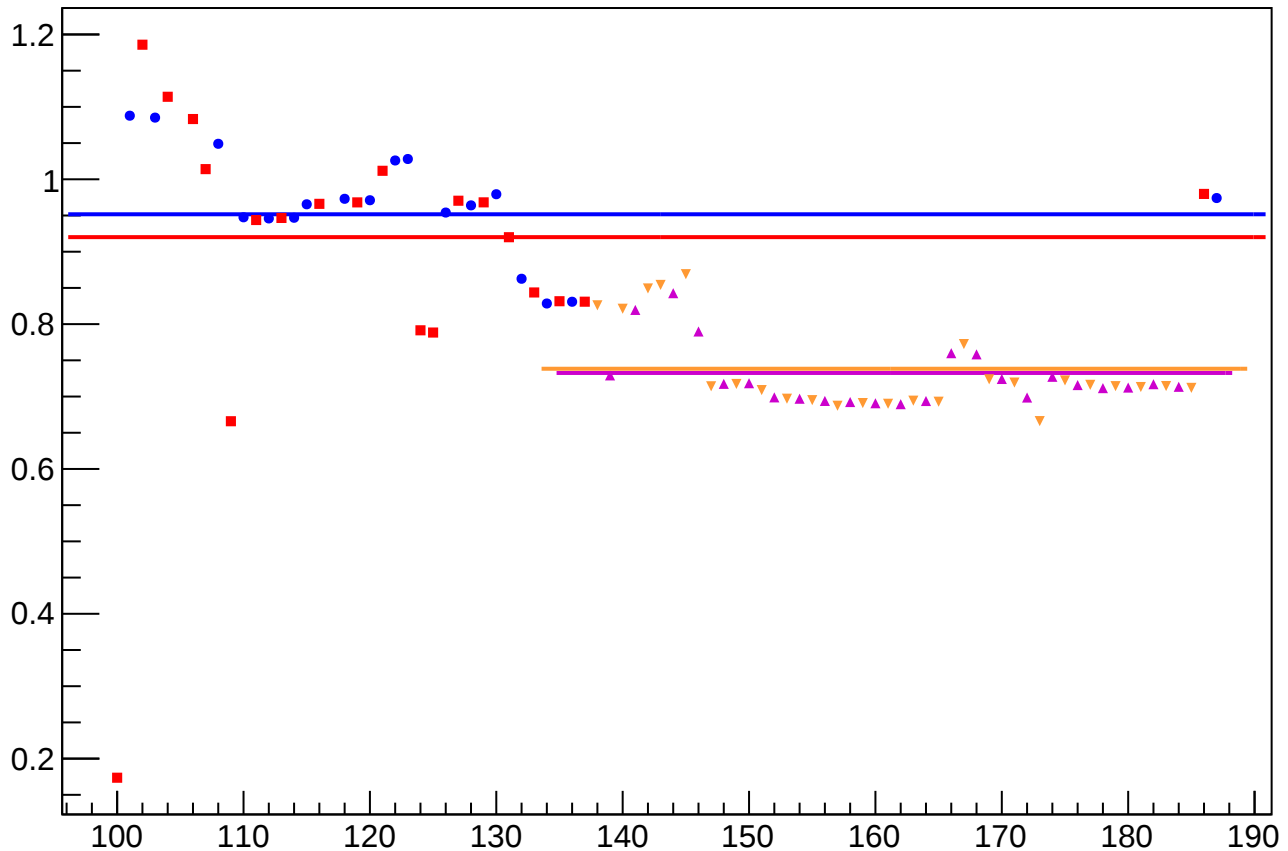
Right: 0.031+/-0.000 χ^2/NDF : 6764780.3/37

In: 0.014+/-0.000 χ^2/NDF : 7152706.3/40

Out: 0.014+/-0.000 χ^2/NDF : 9147810.5/44

All: 0.014+/-0.000 χ^2/NDF : 16306706.4/85

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.952 $\pm$ 0.000 χ^2 /NDF: 174069007.6/17

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF:310195180.4/24

Right Out: 0.920 $\pm$ 0.000 χ^2 /NDF: 376661476.1/19

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

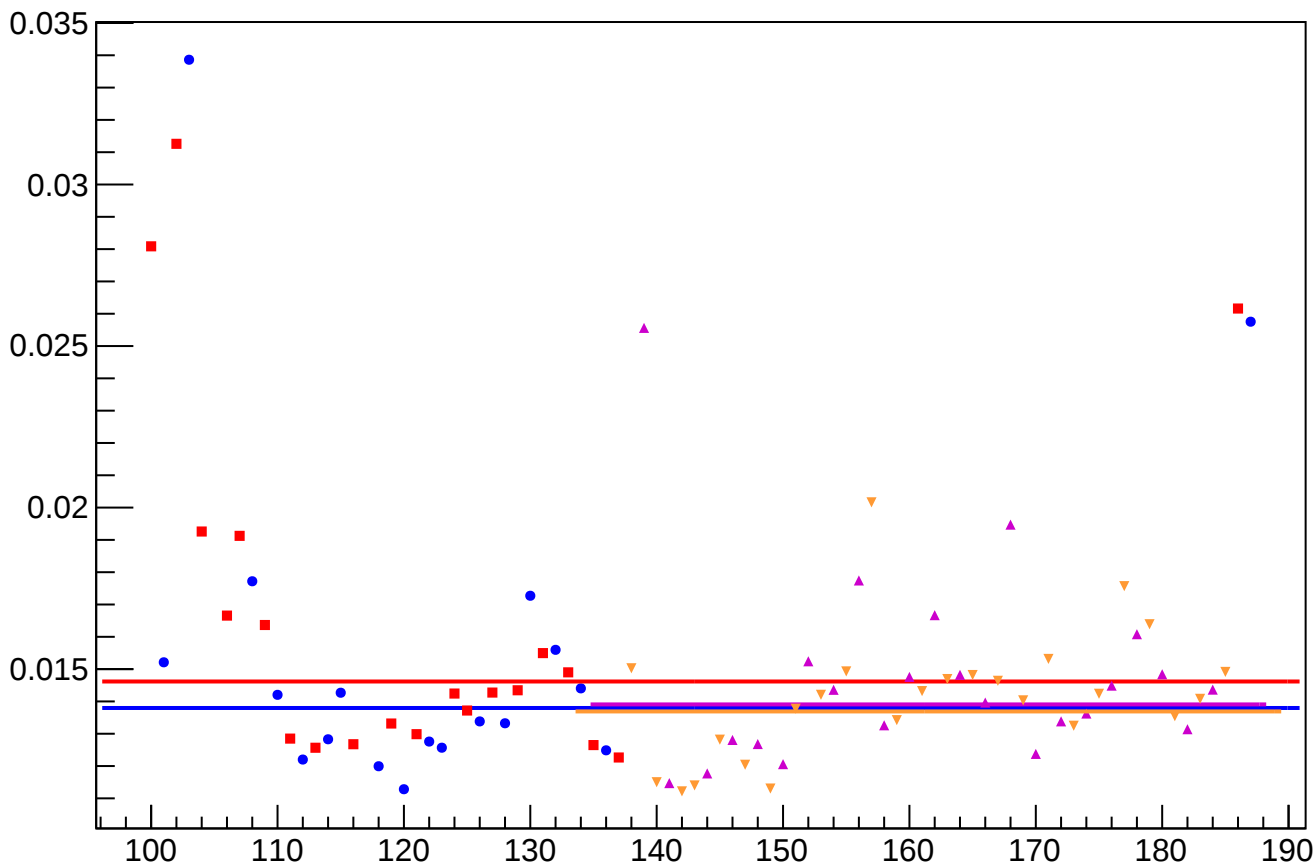
Right: 0.936 $\pm$ 0.000 χ^2 /NDF: 565874493.2/37

In: 0.794 $\pm$ 0.000 χ^2 /NDF:1417447841.3/40

Out: 0.785 $\pm$ 0.000 χ^2 /NDF:1417851722.4/44

All: 0.789 $\pm$ 0.000 χ^2 /NDF: 2839801323.5/85

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 608522.4/17

Left Out: 0.014+/-0.000 χ^2/NDF : 528480.6/24

Right Out: 0.015+/-0.000 χ^2/NDF : 647698.4/19

Left In: 0.014+/-0.000 χ^2/NDF : 768161.9/22

Left: 0.014+/-0.000 χ^2/NDF : 1300553.4/47

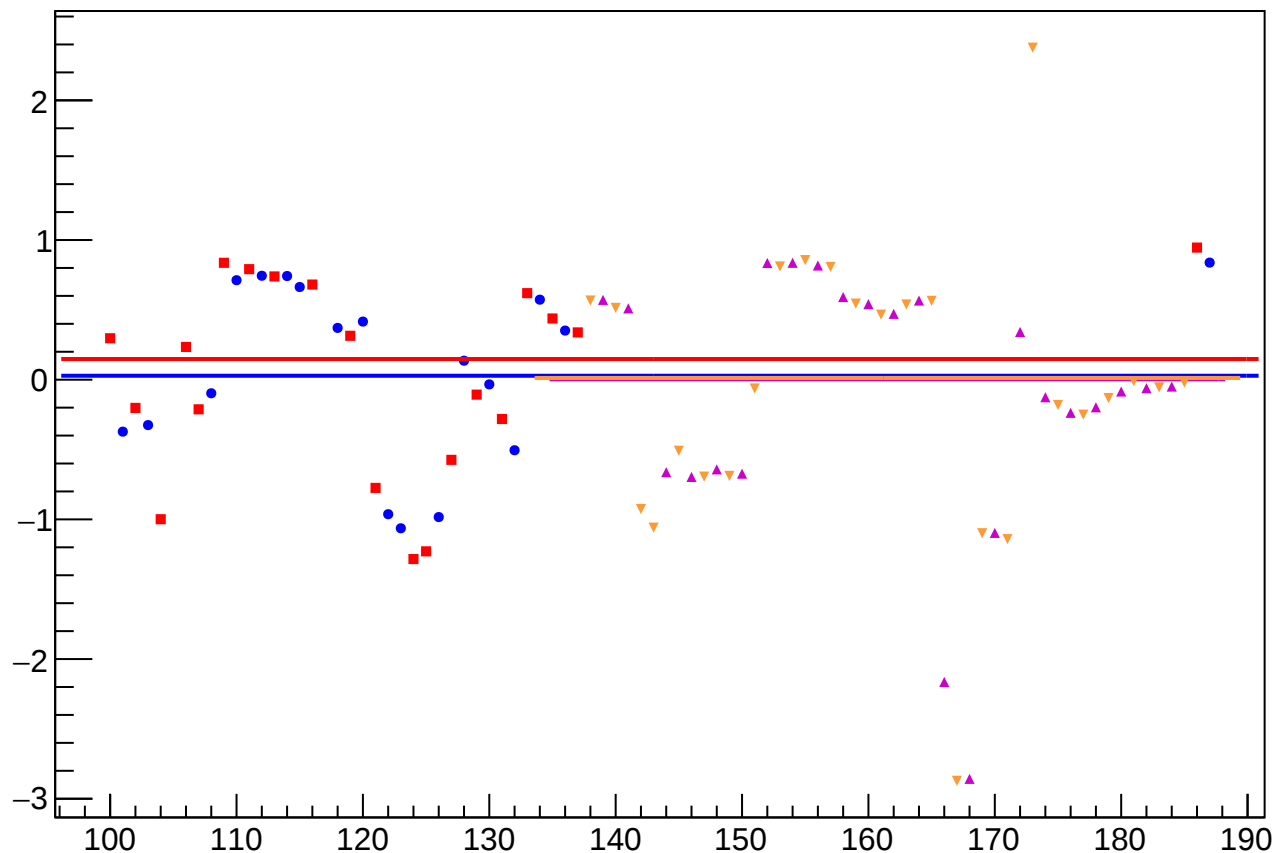
Right: 0.014+/-0.000 χ^2/NDF : 1276656.8/37

In: 0.014+/-0.000 χ^2/NDF : 1377228.4/40

Out: 0.014+/-0.000 χ^2/NDF : 1214206.6/44

All: 0.014+/-0.000 χ^2/NDF : 2591734.7/85

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.000 χ^2/NDF : 6341784919.5/17

Left Out: 0.012+/-0.000 χ^2/NDF : 96383858927.1/24

Right Out: 0.148+/-0.000 χ^2/NDF : 12789617145.9/19

Left In: 0.003+/-0.000 χ^2/NDF : 78826489573.0/22

Left: 0.008+/-0.000 χ^2/NDF : 175214894006.3/47

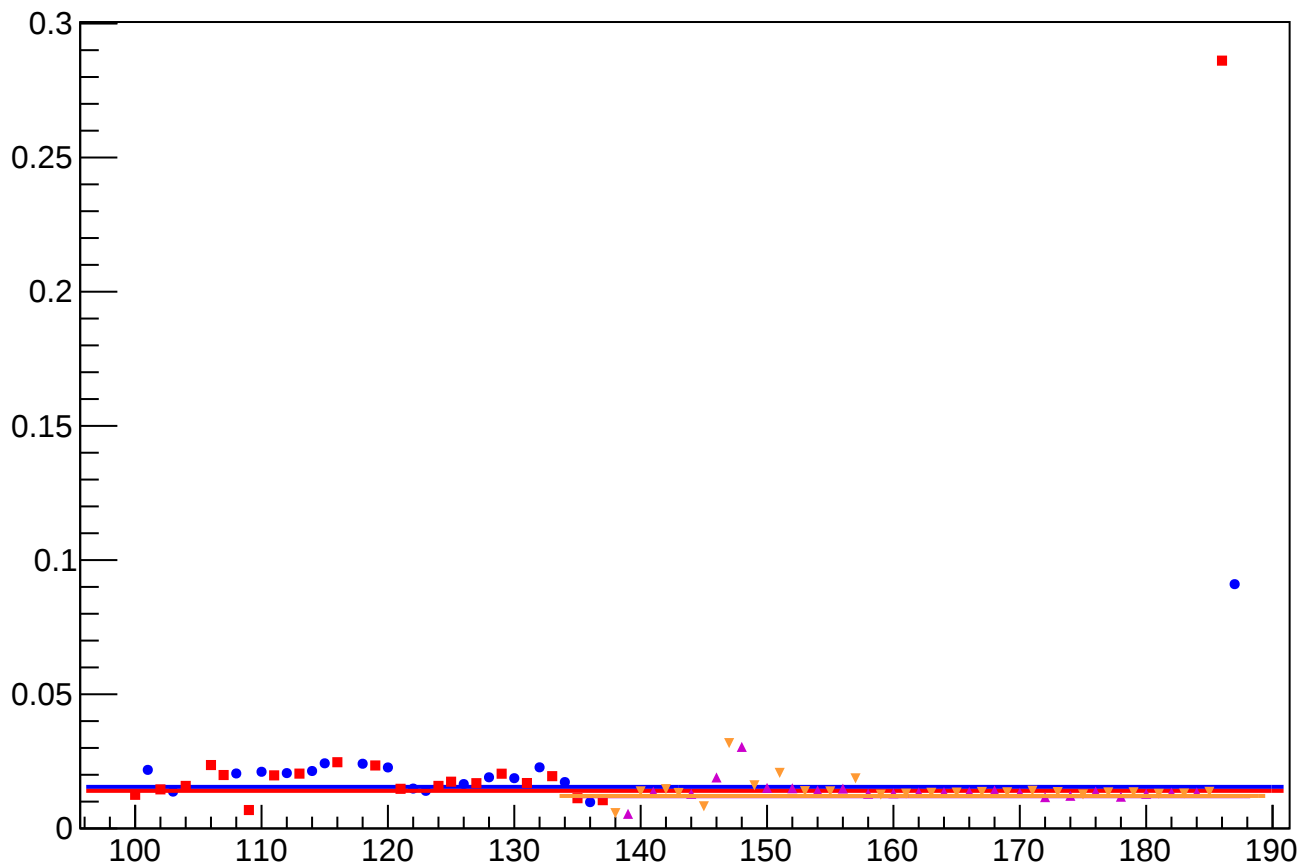
Right: 0.094+/-0.000 χ^2/NDF : 19317037407.0/37

In: 0.008+/-0.000 χ^2/NDF : 85180554009.3/40

Out: 0.041+/-0.000 χ^2/NDF : 109591209059.3/44

All: 0.025+/-0.000 χ^2/NDF : 194843048981.6

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF : 1353536.7/17

Left Out: 0.012+/-0.000 χ^2/NDF :3105238.9/24

Right Out: 0.014+/-0.000 χ^2/NDF : 2192133.8/19

Left In: 0.012+/-0.000 χ^2/NDF :3003502.9/22

Left: 0.012+/-0.000 χ^2/NDF : 6110012.2/47

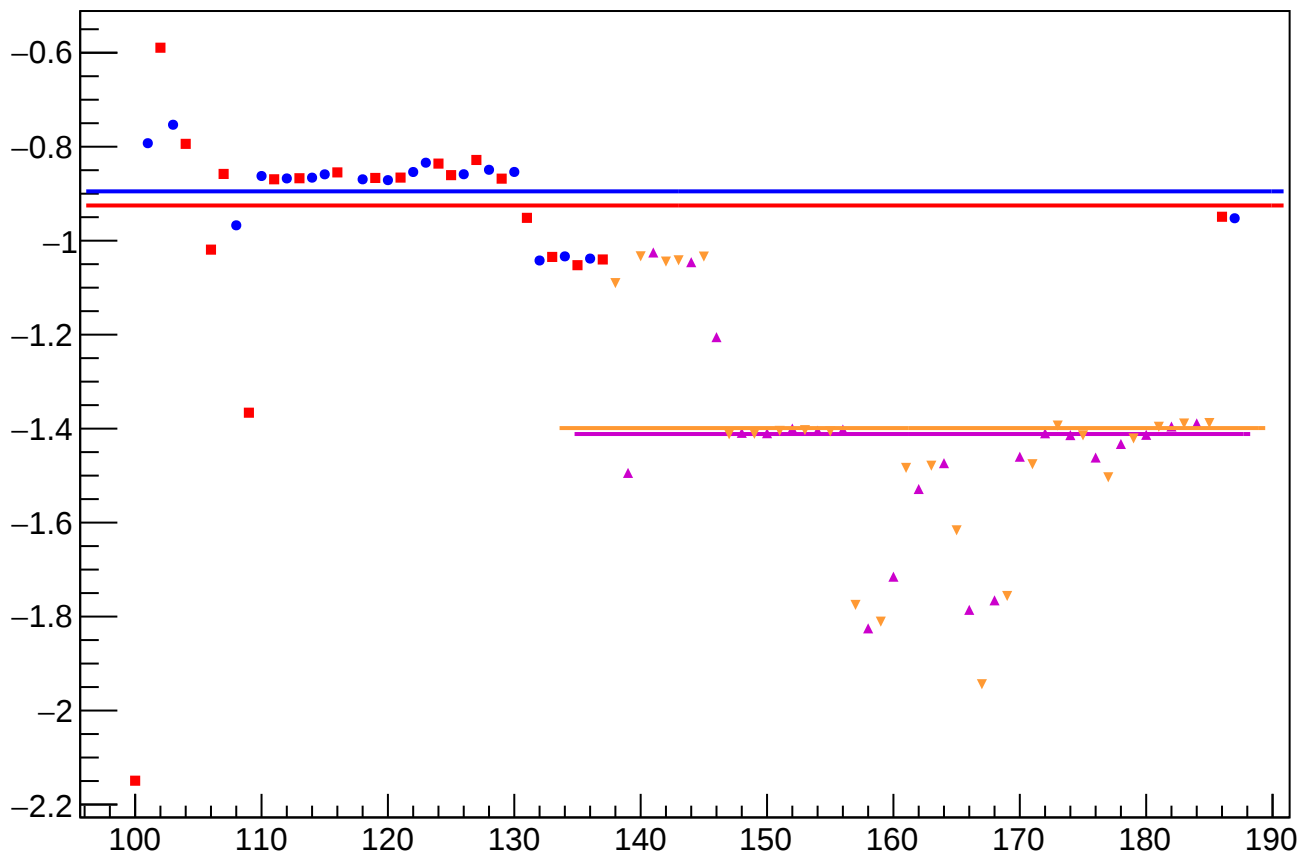
Right: 0.015+/-0.000 χ^2/NDF : 3602401.0/37

In: 0.013+/-0.000 χ^2/NDF :4828223.3/40

Out: 0.013+/-0.000 χ^2/NDF :5462083.1/44

All: 0.013+/-0.000 χ^2/NDF : 10292907.7/85

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.895+/-0.000 χ^2/NDF : 37893729.7/17

Left Out: -1.399+/-0.000 χ^2/NDF : 738251911.1/24

Right Out: -0.925+/-0.000 χ^2/NDF : 128528123.6/19

Left In: -1.411+/-0.000 χ^2/NDF : 512547995.0/22

Left: -1.405+/-0.000 χ^2/NDF : 1251791467.1/47

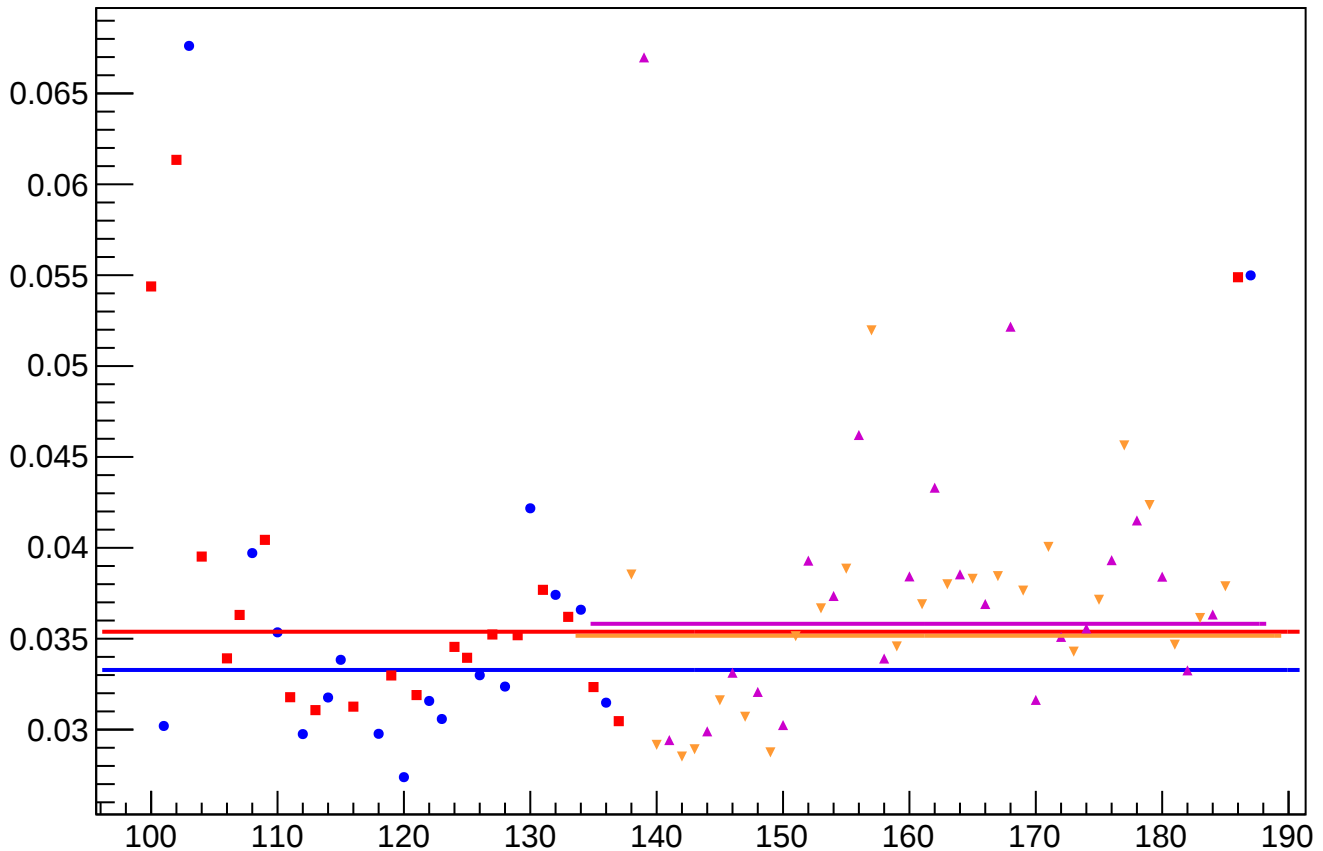
Right: -0.910+/-0.000 χ^2/NDF : 168805036.5/37

In: -1.250+/-0.000 χ^2/NDF : 1540310662.4/40

Out: -1.264+/-0.000 χ^2/NDF : 1694383926.9/44

All: -1.257+/-0.000 χ^2/NDF : 3236338521.2/8

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033 $\pm$ 0.000 χ^2 /NDF: 454058.3/17

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF:595219.5/24

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 369422.4/19

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

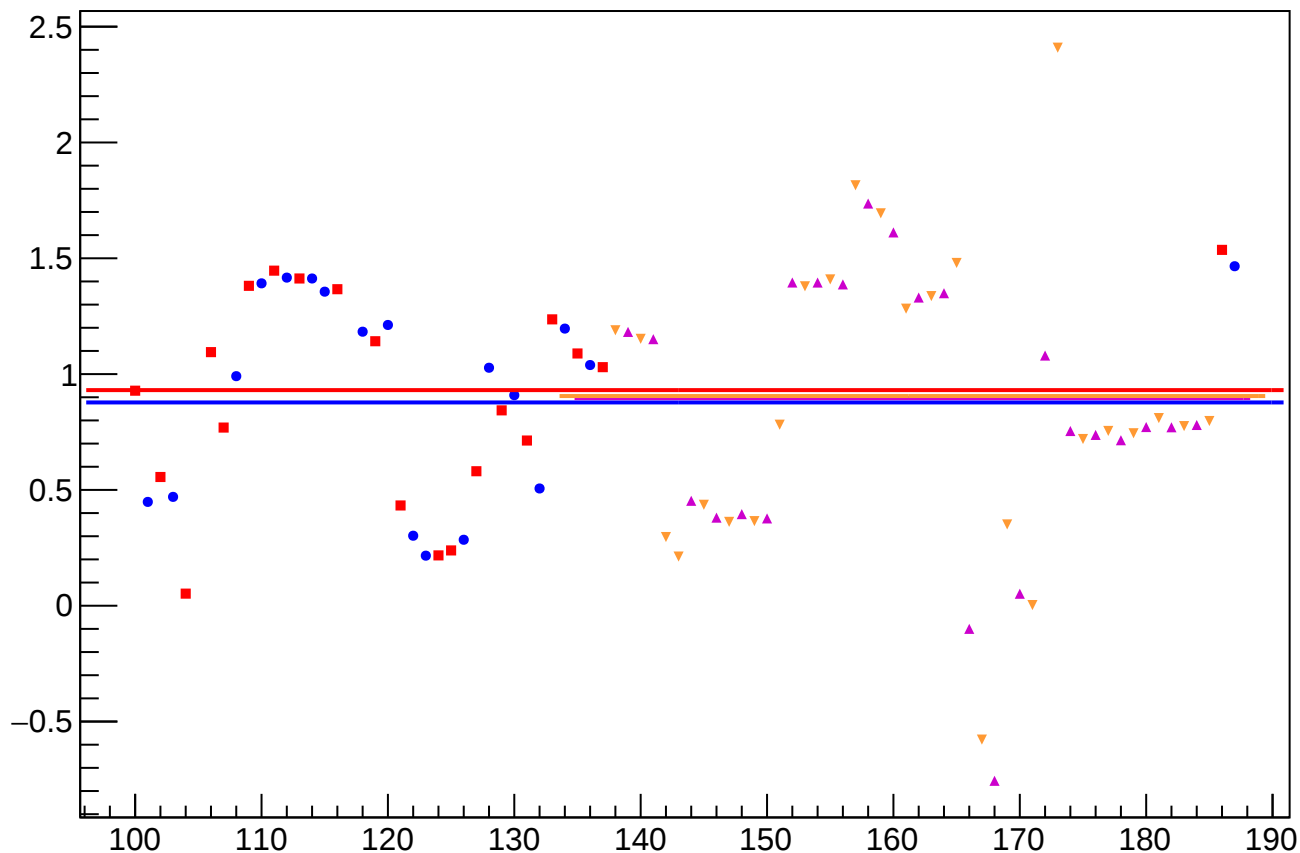
Right: 0.034 $\pm$ 0.000 χ^2 /NDF: 846803.1/37

In: 0.035 $\pm$ 0.000 χ^2 /NDF:1366090.8/40

Out: 0.035 $\pm$ 0.000 χ^2 /NDF:965006.4/44

All: 0.035 $\pm$ 0.000 χ^2 /NDF: 2331780.9/85

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.878+/-0.000

χ^2/NDF : 6505552146.8/17

Left: 0.901+/-0.000 χ^2/NDF : 150868618084.6/47

Right: 0.905+/-0.000 χ^2/NDF : 16549711384.2/37

Left Out: 0.905+/-0.000

χ^2/NDF : 84265726513.8/24

In: 0.892+/-0.000 χ^2/NDF : 73114142081.0/40

Right Out: 0.931+/-0.000

χ^2/NDF : 9966582338.2/19

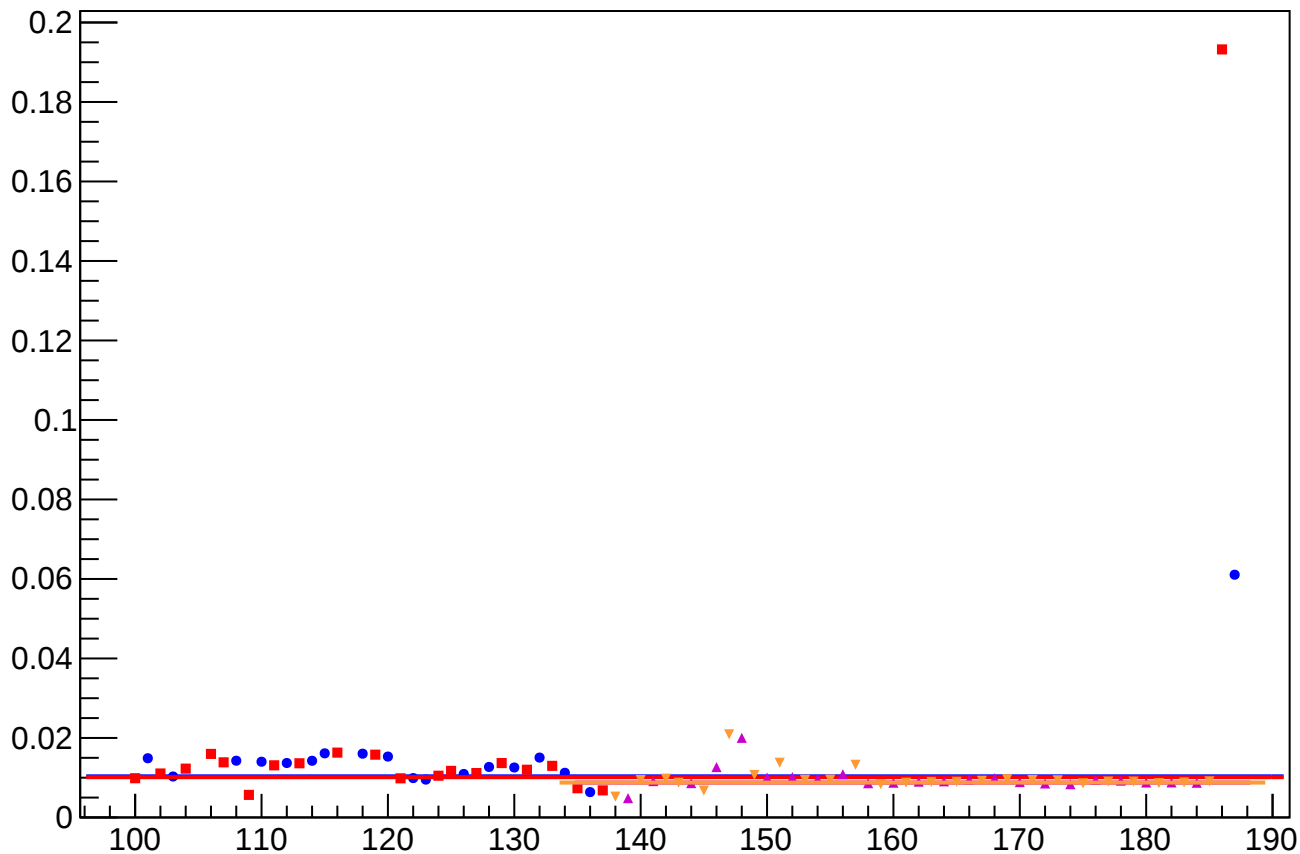
Out: 0.911+/-0.000 χ^2/NDF : 94262042676.7/44

Left In: 0.896+/-0.000

χ^2/NDF : 66594200889.6/22

All: 0.902+/-0.000 χ^2/NDF : 167420085528.6

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF : 1423011.9/17

Left Out: 0.009+/-0.000 χ^2/NDF : 1697568.1/24

Right Out: 0.010+/-0.000 χ^2/NDF : 1806231.0/19

Left In: 0.009+/-0.000 χ^2/NDF : 1607939.0/22

Left: 0.009+/-0.000 χ^2/NDF : 3305514.2/47

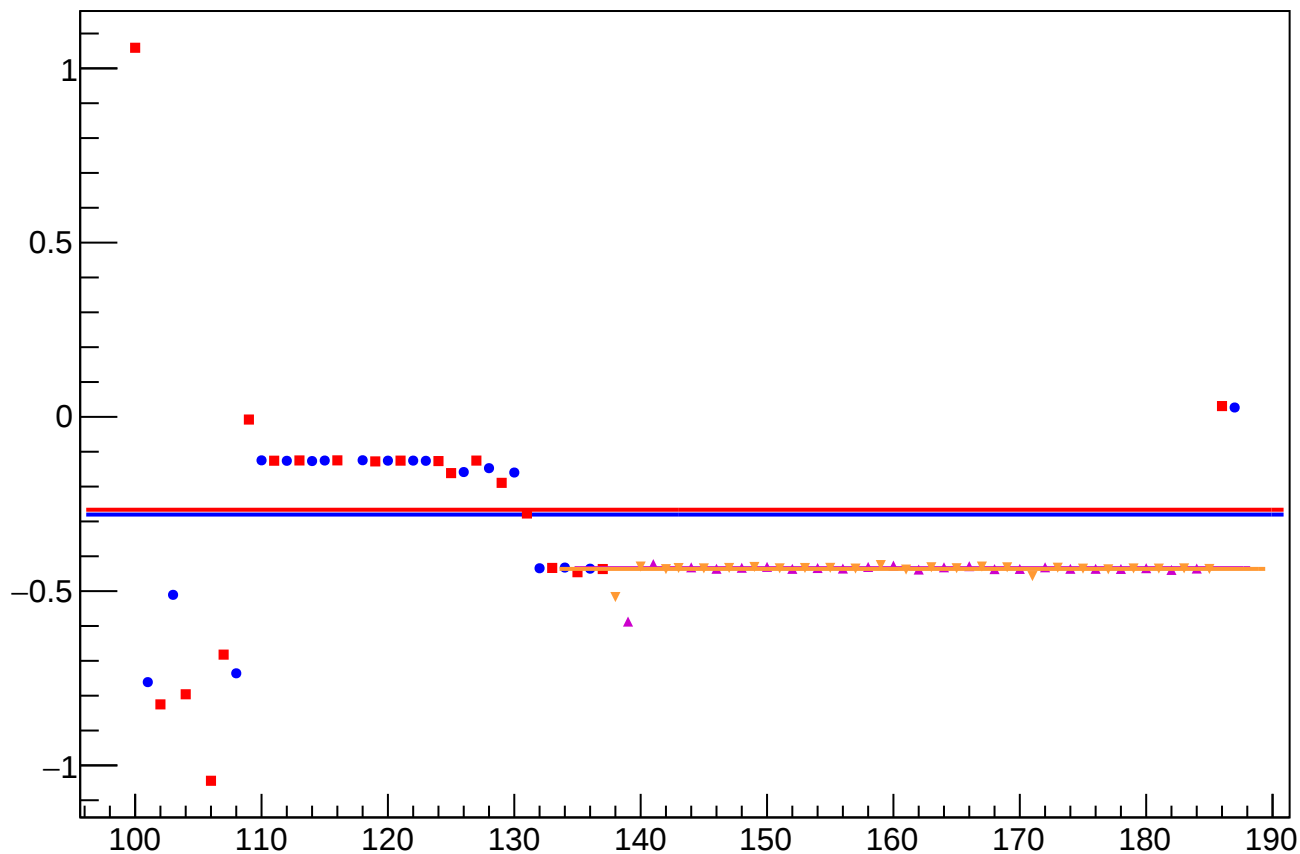
Right: 0.010+/-0.000 χ^2/NDF : 3231852.5/37

In: 0.009+/-0.000 χ^2/NDF : 3238240.7/40

Out: 0.009+/-0.000 χ^2/NDF : 3668849.0/44

All: 0.009+/-0.000 χ^2/NDF : 6907440.9/85

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.280 ± 0.000 $\chi^2/\text{NDF}: 913314811.6/17$

Left Out: -0.436 ± 0.000 $\chi^2/\text{NDF}: 28774660.0/24$

Right Out: -0.266 ± 0.000 $\chi^2/\text{NDF}: 985140062.2/19$

Left In: -0.434 ± 0.000 $\chi^2/\text{NDF}: 23984173.0/22$

Left: -0.435 ± 0.000 $\chi^2/\text{NDF}: 53122221.7/47$

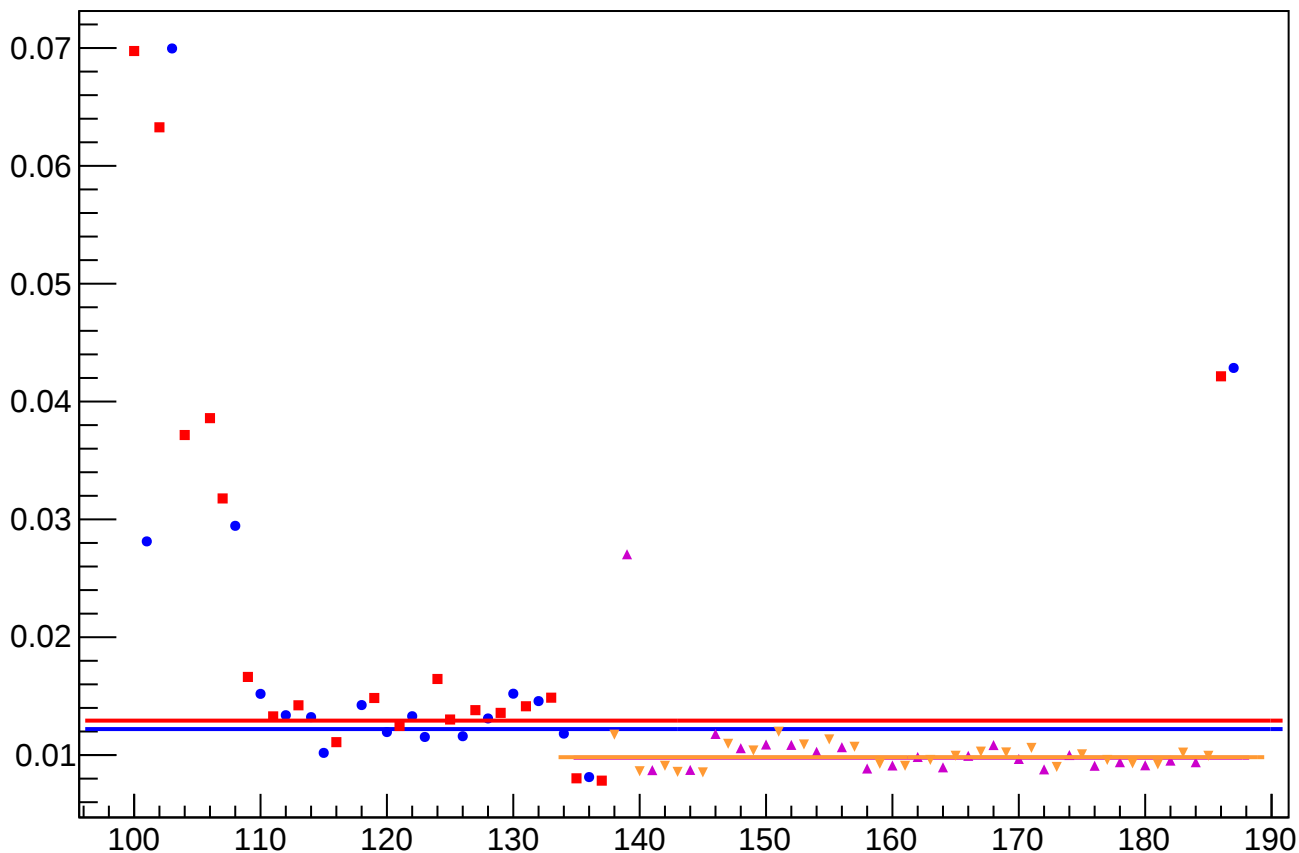
Right: -0.274 ± 0.000 $\chi^2/\text{NDF}: 1901438468.3/37$

In: -0.407 ± 0.000 $\chi^2/\text{NDF}: 1563360742.9/40$

Out: -0.410 ± 0.000 $\chi^2/\text{NDF}: 1743463361.7/44$

All: -0.409 ± 0.000 $\chi^2/\text{NDF}: 3307352707.2/8$

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1873670.5/17

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:269242.6/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2309034.6/19

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

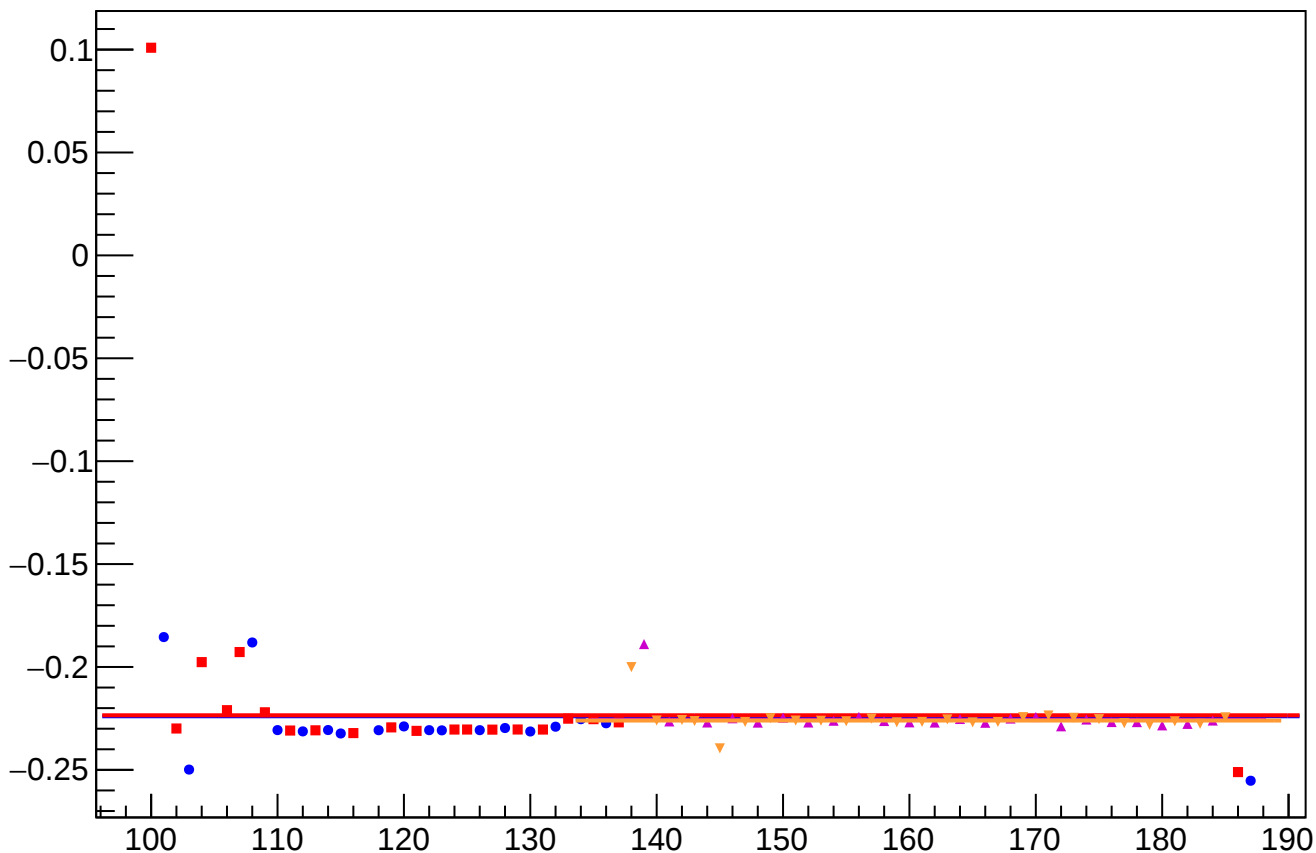
Right: 0.013 $\pm$ 0.000 χ^2 /NDF: 4198677.9/37

In: 0.010 $\pm$ 0.000 χ^2 /NDF:2934151.3/40

Out: 0.010 $\pm$ 0.000 χ^2 /NDF:3065712.2/44

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 6002032.2/85

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.224+/-0.000 χ^2/NDF : 75483068.5/17

Left Out: -0.226+/-0.000 χ^2/NDF : 21205667.4/24

Right Out: -0.223+/-0.000 χ^2/NDF : 168017117.4/19

Left In: -0.226+/-0.000 χ^2/NDF : 15245251.1/22

Left: -0.226+/-0.000 χ^2/NDF : 36480793.2/47

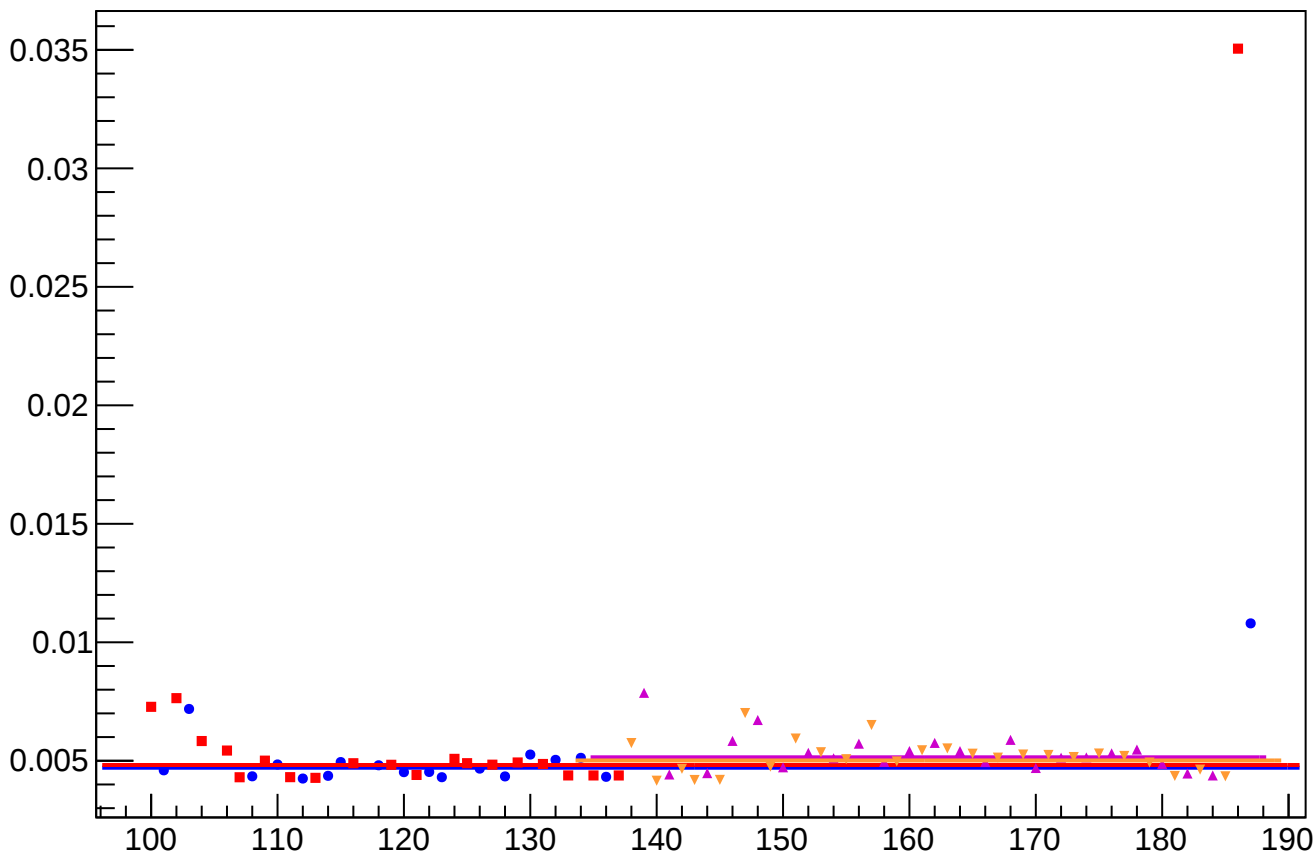
Right: -0.224+/-0.000 χ^2/NDF : 243532600.0/37

In: -0.225+/-0.000 χ^2/NDF : 91321007.8/40

Out: -0.225+/-0.000 χ^2/NDF : 190510790.2/44

All: -0.225+/-0.000 χ^2/NDF : 281837724.6/85

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 269470.8/17

Left Out: 0.005+/-0.000 χ^2/NDF : 530632.6/24

Right Out: 0.005+/-0.000 χ^2/NDF : 778162.2/19

Left In: 0.005+/-0.000 χ^2/NDF : 493107.7/22

Left: 0.005+/-0.000 χ^2/NDF : 1035156.6/47

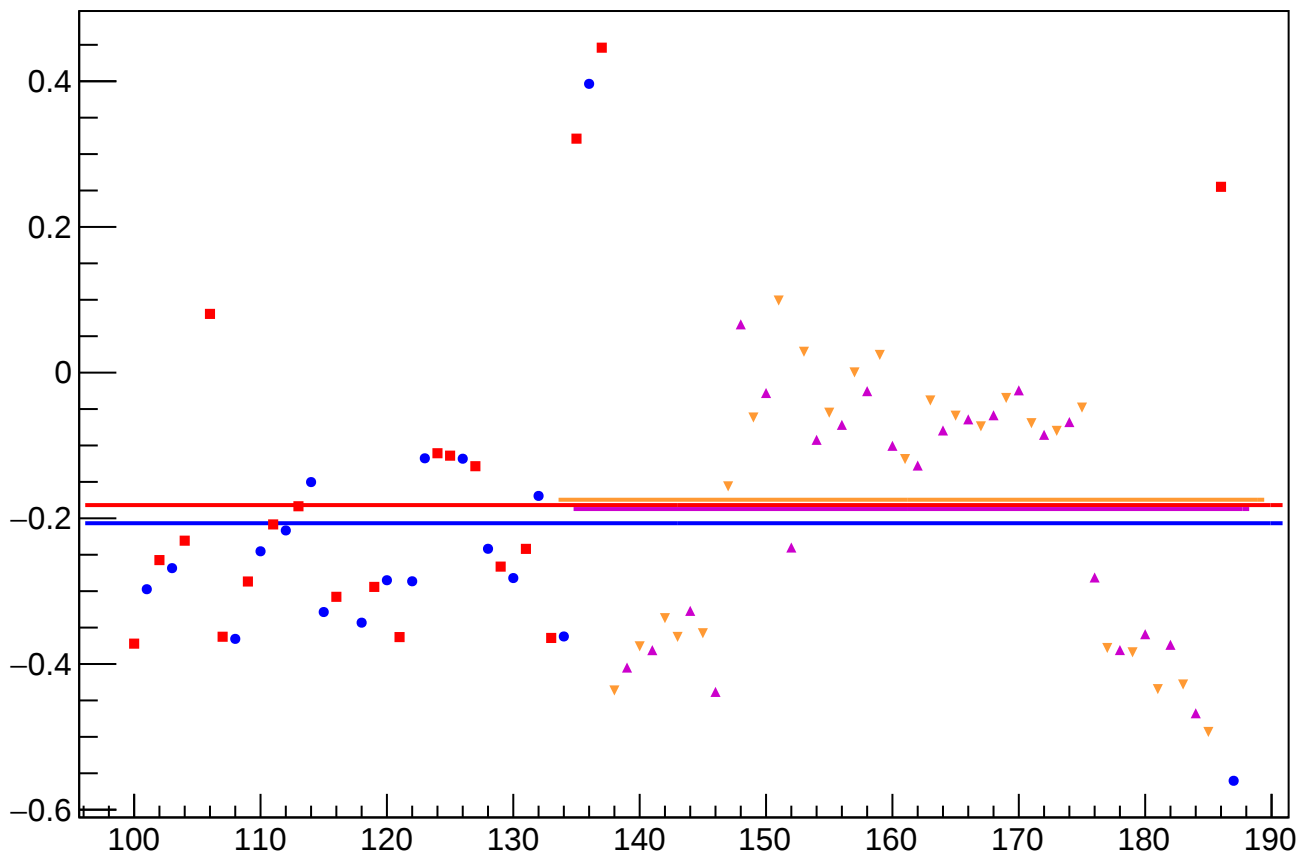
Right: 0.005+/-0.000 χ^2/NDF : 1051259.6/37

In: 0.005+/-0.000 χ^2/NDF : 836091.4/40

Out: 0.005+/-0.000 χ^2/NDF : 1323402.2/44

All: 0.005+/-0.000 χ^2/NDF : 2162006.6/85

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.207+/-0.000

χ^2/NDF : 6310796669.5/17

Left: -0.181+/-0.000

χ^2/NDF : 30888184231.6/47

Left Out: -0.174+/-0.000

χ^2/NDF : 18025533236.1/24

Right: -0.194+/-0.000

χ^2/NDF : 12831155331.0/37

Right Out: -0.182+/-0.000

χ^2/NDF : 6474186876.8/19

In: -0.191+/-0.000

χ^2/NDF : 19169896542.8/40

Out: -0.176+/-0.000

χ^2/NDF : 24506418722.7/44

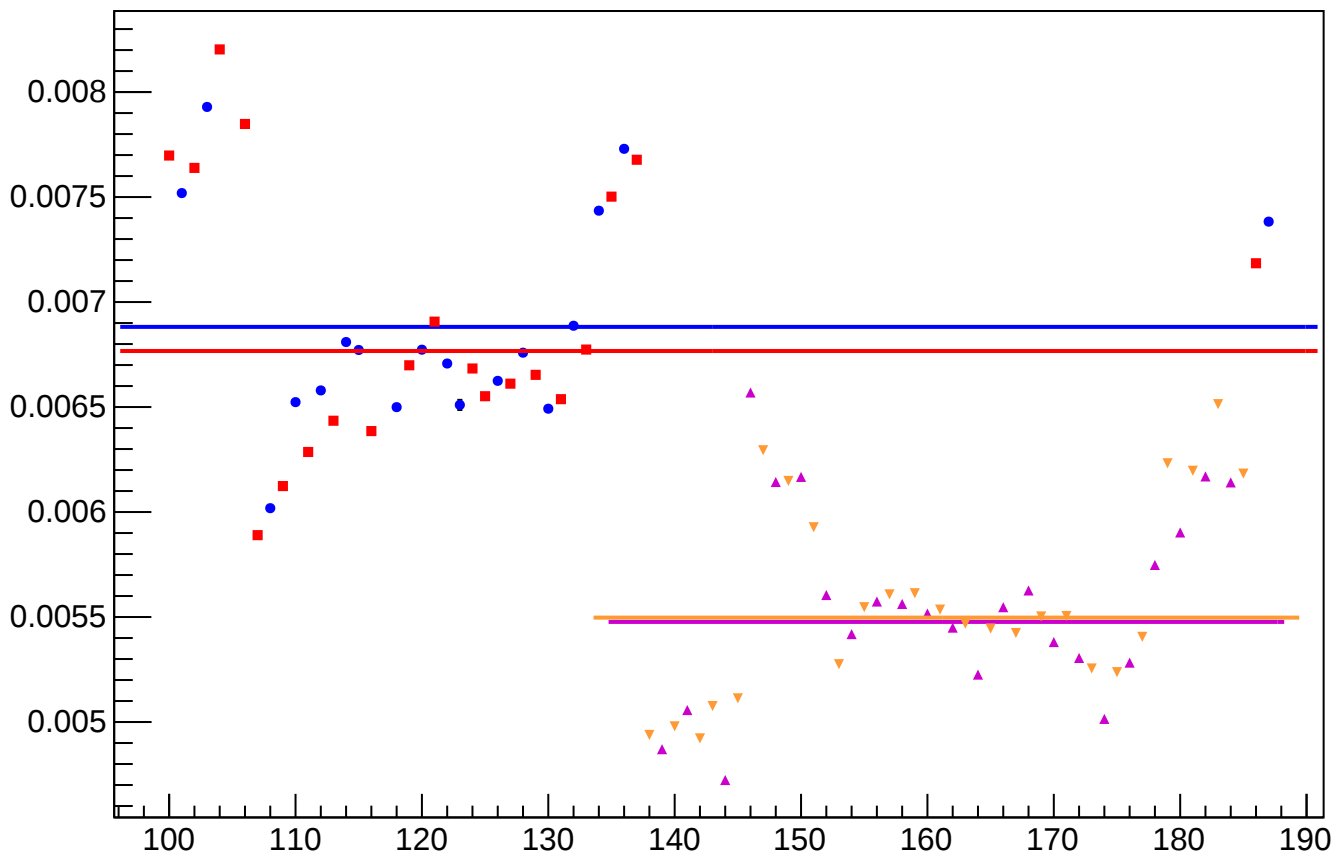
Left In: -0.187+/-0.000

χ^2/NDF : 12816646575.4/22

All: -0.183+/-0.000

χ^2/NDF : 43758542150.5/100

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 80070.5/17

Left Out: 0.005+/-0.000 χ^2/NDF :198746.4/24

Right Out: 0.007+/-0.000 χ^2/NDF : 108069.6/19

Left In: 0.005+/-0.000 χ^2/NDF :202181.4/22

Left: 0.005+/-0.000 χ^2/NDF : 401165.3/47

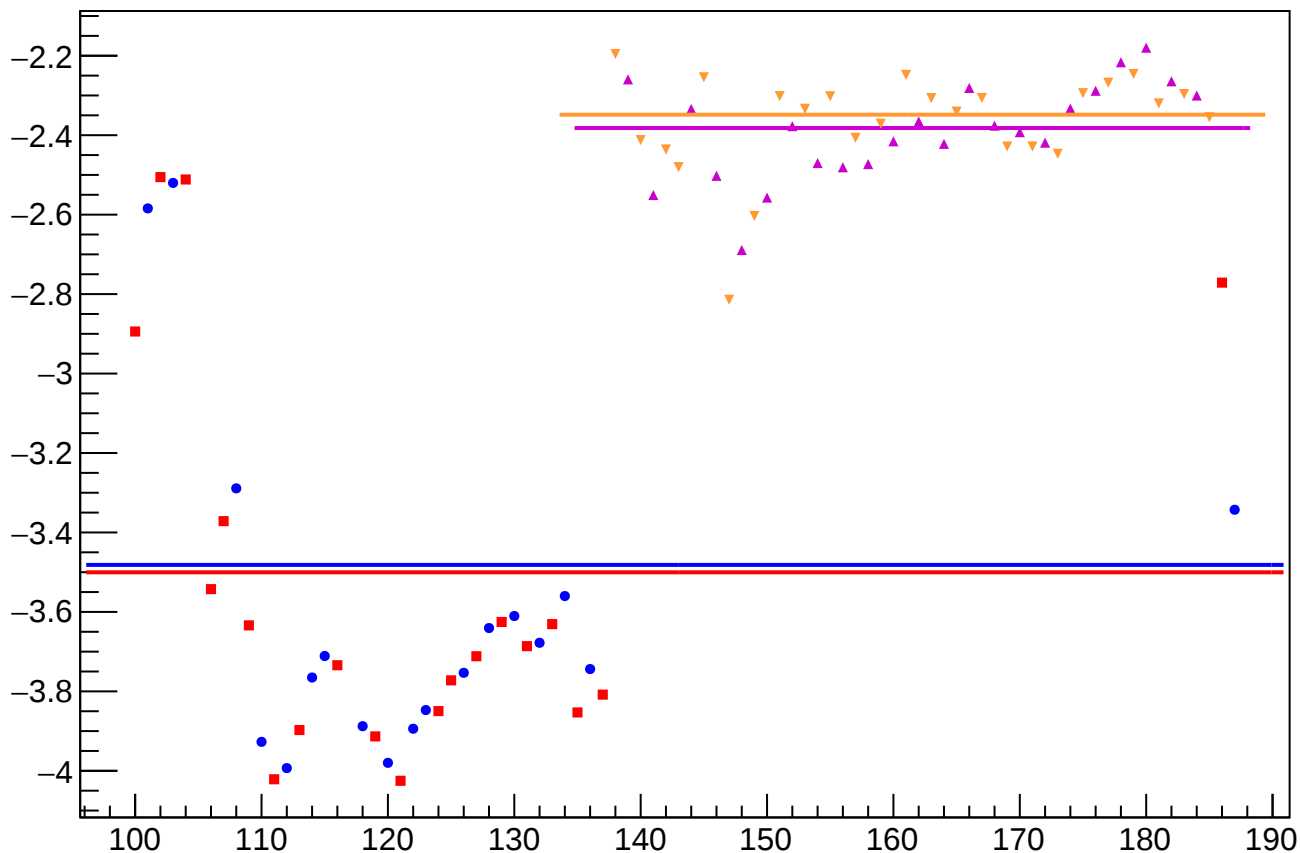
Right: 0.007+/-0.000 χ^2/NDF : 190105.9/37

In: 0.006+/-0.000 χ^2/NDF :725349.5/40

Out: 0.006+/-0.000 χ^2/NDF :706449.7/44

All: 0.006+/-0.000 χ^2/NDF : 1431815.2/85

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.482 $\pm$ 0.000 χ^2 /NDF: 27176070797.1/17

Left Out: -2.348 $\pm$ 0.000 χ^2 /NDF: 2158686333.4/24

Right Out: -3.500 $\pm$ 0.000 χ^2 /NDF: 27982150950.8/19

Left In: -2.382 $\pm$ 0.000 χ^2 /NDF: 2318395228.4/22

Left: -2.365 $\pm$ 0.000 χ^2 /NDF: 4600738143.2/47

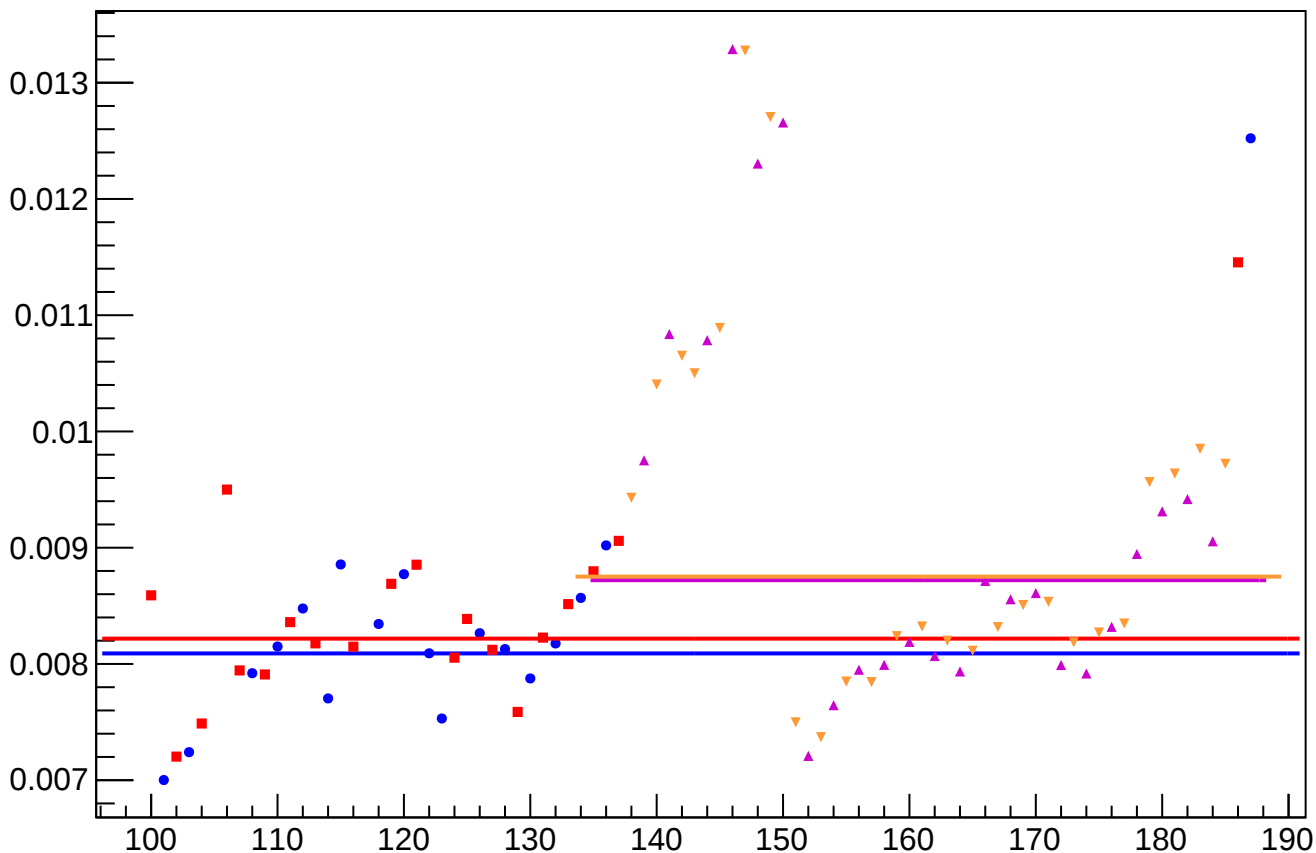
Right: -3.491 $\pm$ 0.000 χ^2 /NDF: 55176202063.3/37

In: -2.735 $\pm$ 0.000 χ^2 /NDF: 112405087088.7/40

Out: -2.715 $\pm$ 0.000 χ^2 /NDF: 125108463285.1/44

All: -2.725 $\pm$ 0.000 χ^2 /NDF: 237580884399.6

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 109687.6/17

Left Out: 0.009+/-0.000 χ^2/NDF : 663672.8/24

Right Out: 0.008+/-0.000 χ^2/NDF : 118030.4/19

Left In: 0.009+/-0.000 χ^2/NDF : 747867.0/22

Left: 0.009+/-0.000 χ^2/NDF : 1411749.0/47

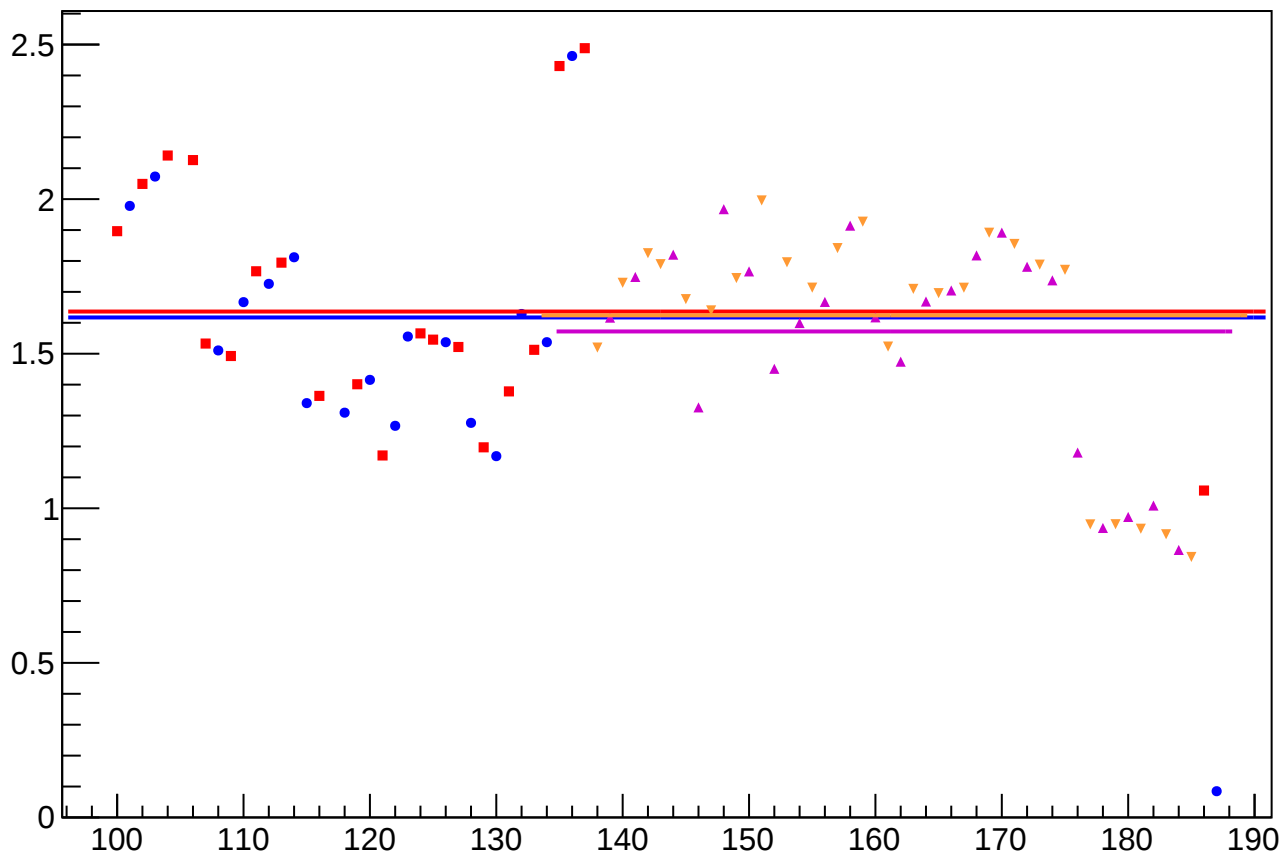
Right: 0.008+/-0.000 χ^2/NDF : 229384.8/37

In: 0.009+/-0.000 χ^2/NDF : 911972.3/40

Out: 0.009+/-0.000 χ^2/NDF : 822460.4/44

All: 0.009+/-0.000 χ^2/NDF : 1735733.2/85

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.617 $\pm$ 0.000 χ^2 /NDF: 8974952940.0/17

Left Out: 1.624 $\pm$ 0.000 χ^2 /NDF: 16631112386.4/24

Right Out: 1.636 $\pm$ 0.000 χ^2 /NDF: 6693390100.6/19

Left In: 1.572 $\pm$ 0.000 χ^2 /NDF: 14230484809.4/22

Left: 1.599 $\pm$ 0.000 χ^2 /NDF: 31067753064.6/47

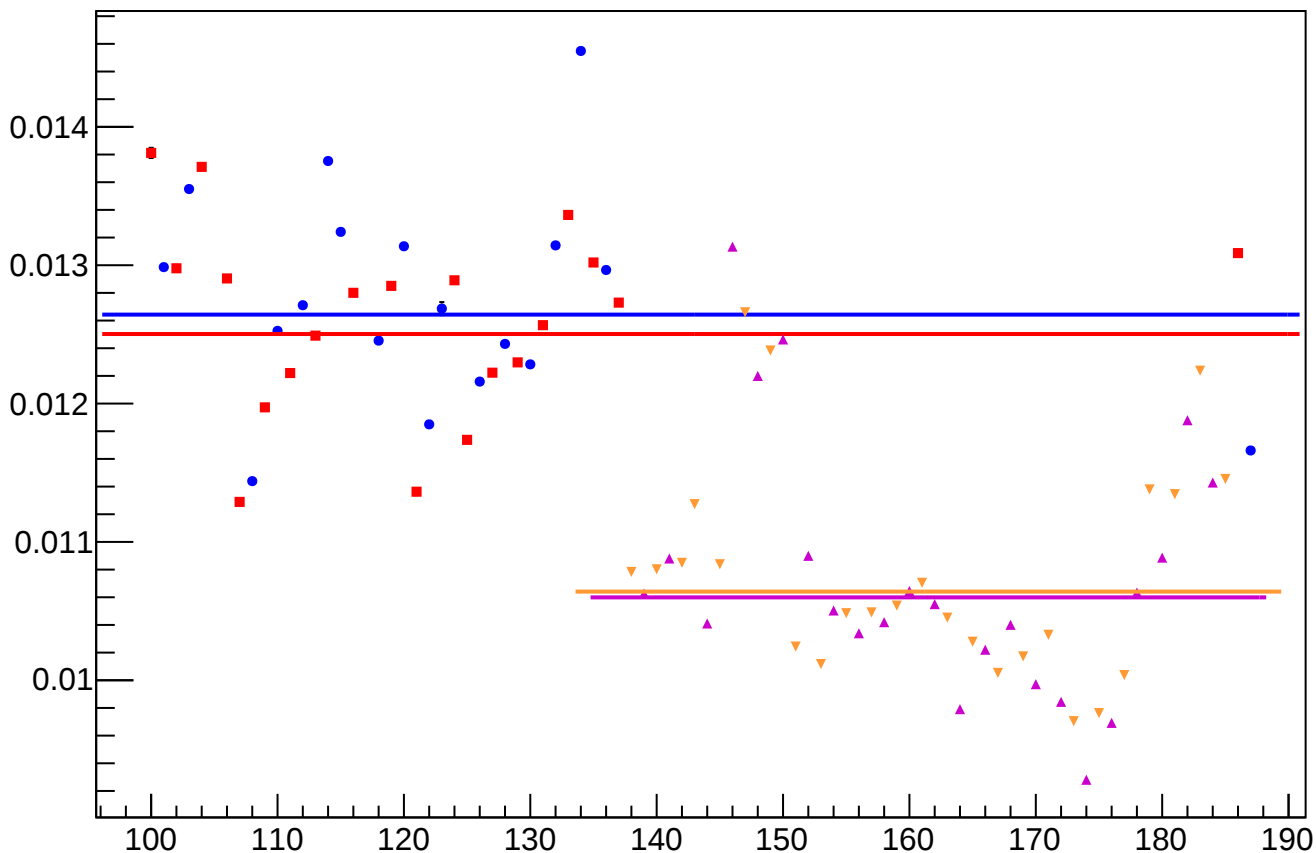
Right: 1.627 $\pm$ 0.000 χ^2 /NDF: 15676376955.1/37

In: 1.582 $\pm$ 0.000 χ^2 /NDF: 23272220735.1/40

Out: 1.627 $\pm$ 0.000 χ^2 /NDF: 23329890086.8/44

All: 1.605 $\pm$ 0.000 χ^2 /NDF: 46799805697.1/8

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF : 33814.3/17

Left Out: 0.011+/-0.000 χ^2/NDF :159760.9/24

Right Out: 0.013+/-0.000 χ^2/NDF : 40095.5/19

Left In: 0.011+/-0.000 χ^2/NDF :204531.5/22

Left: 0.011+/-0.000 χ^2/NDF : 364556.9/47

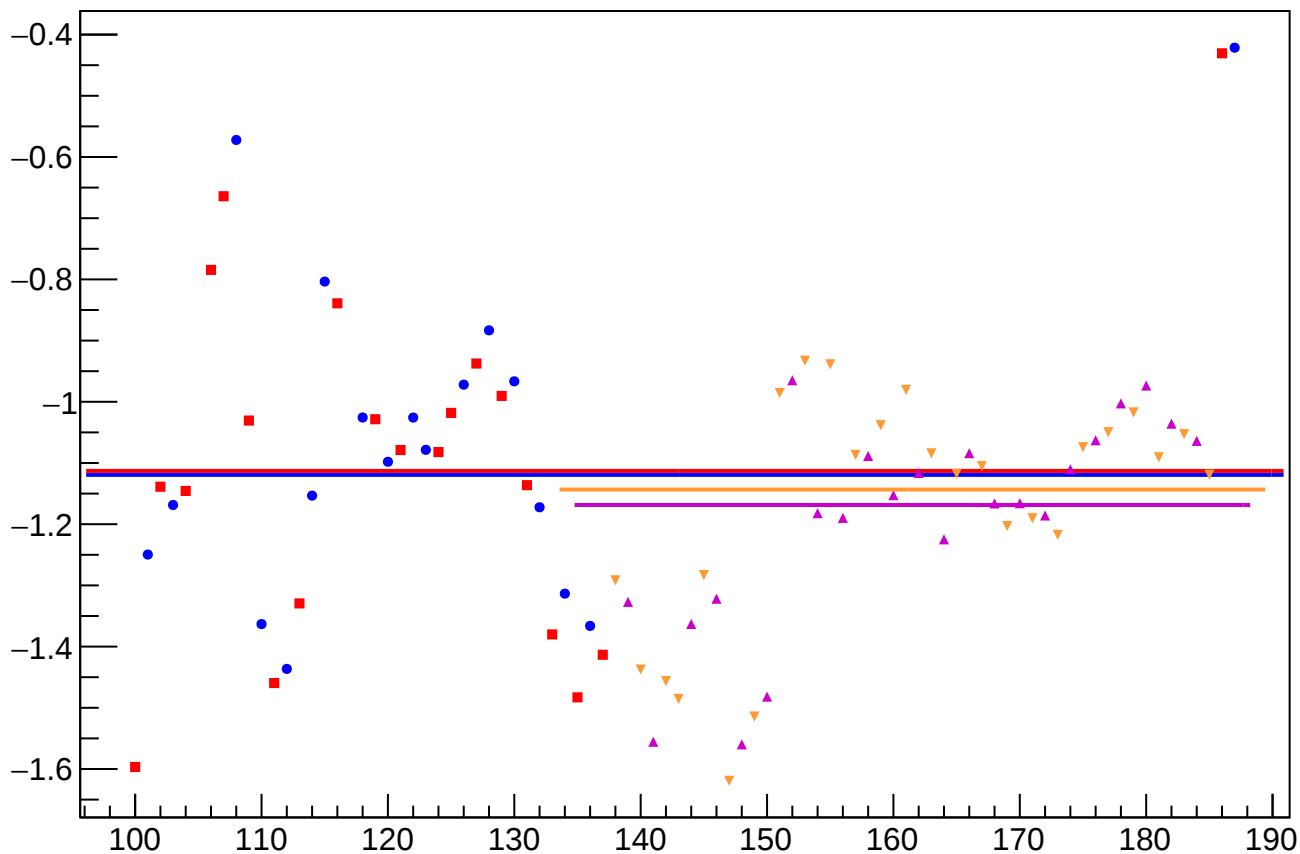
Right: 0.013+/-0.000 χ^2/NDF : 74774.4/37

In: 0.011+/-0.000 χ^2/NDF :510477.5/40

Out: 0.011+/-0.000 χ^2/NDF :447221.4/44

All: 0.011+/-0.000 χ^2/NDF : 957754.8/85

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -1.119 ± 0.000 $\chi^2/\text{NDF}: 3991483454.1/17$

Left Out: -1.143 ± 0.000 $\chi^2/\text{NDF}: 7976364534.0/24$

Right Out: -1.113 ± 0.000 $\chi^2/\text{NDF}: 4963804302.9/19$

Left In: -1.169 ± 0.000 $\chi^2/\text{NDF}: 6362643368.6/22$

Left: -1.156 ± 0.000 $\chi^2/\text{NDF}: 14424995220.9/47$

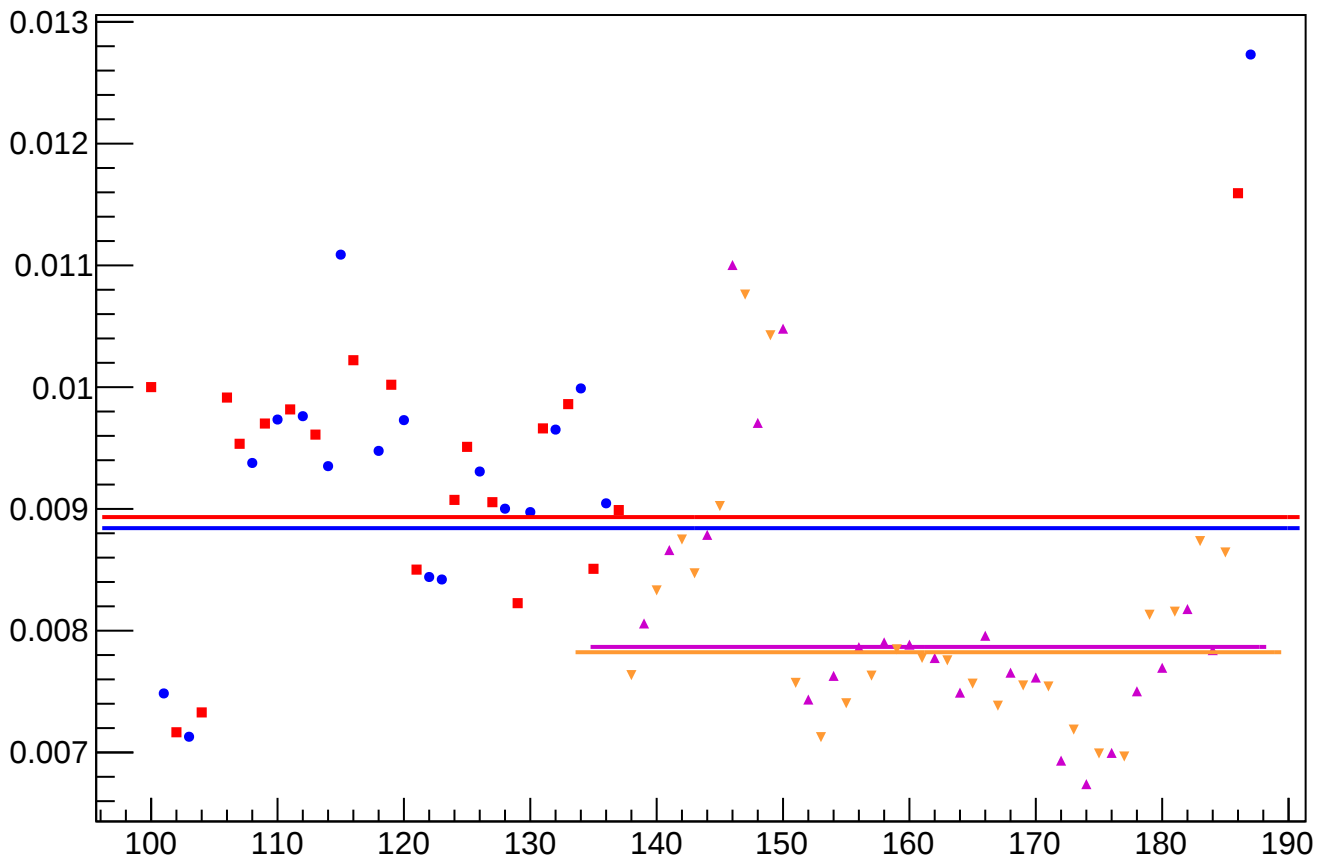
Right: -1.116 ± 0.000 $\chi^2/\text{NDF}: 8957039863.2/37$

In: -1.157 ± 0.000 $\chi^2/\text{NDF}: 10506873835.1/40$

Out: -1.136 ± 0.000 $\chi^2/\text{NDF}: 13001692714.4/44$

All: -1.146 ± 0.000 $\chi^2/\text{NDF}: 23583883932.7/100$

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 179183.5/17

Left Out: 0.008+/-0.000 χ^2/NDF :336387.6/24

Right Out: 0.009+/-0.000 χ^2/NDF : 213184.7/19

Left In: 0.008+/-0.000 χ^2/NDF :379901.3/22

Left: 0.008+/-0.000 χ^2/NDF : 716803.8/47

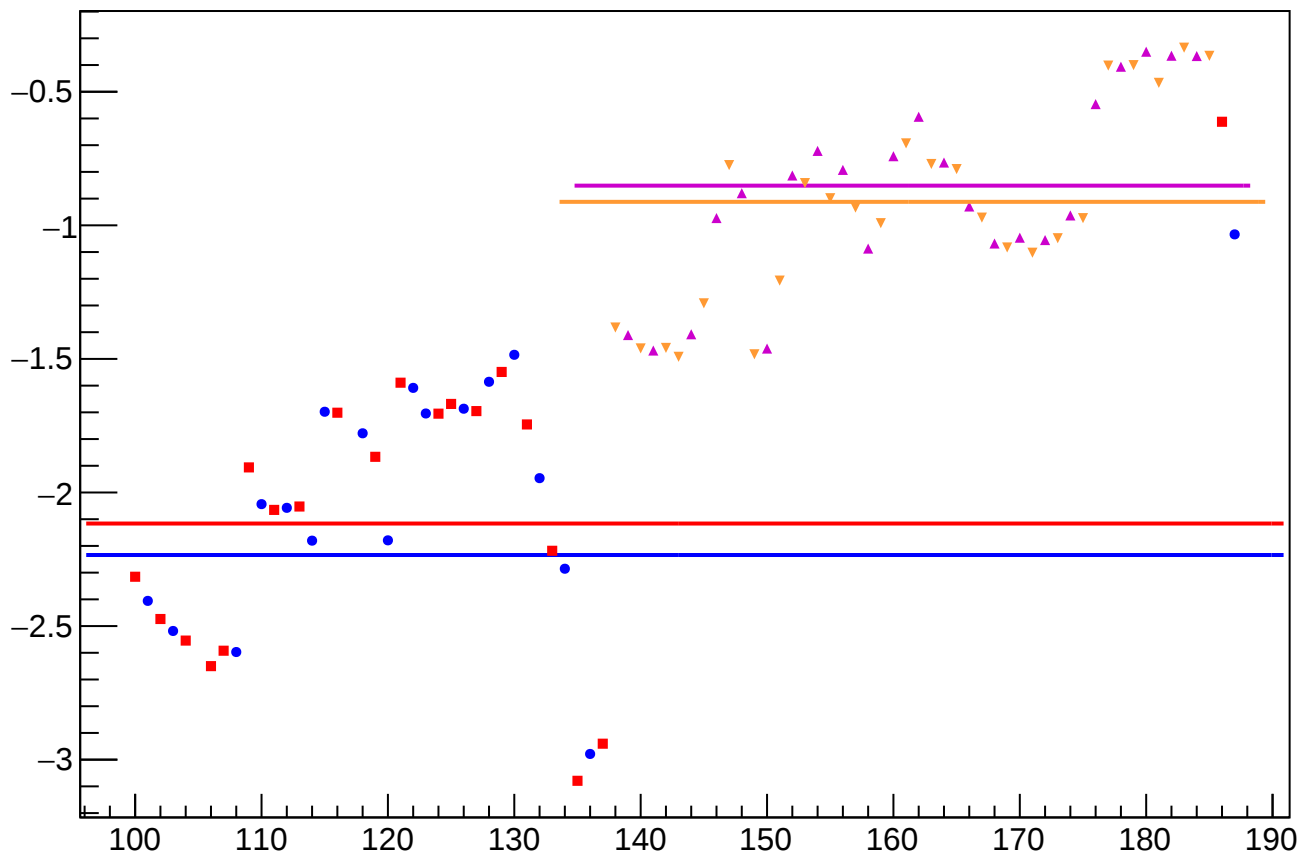
Right: 0.009+/-0.000 χ^2/NDF : 393068.4/37

In: 0.008+/-0.000 χ^2/NDF :678963.6/40

Out: 0.008+/-0.000 χ^2/NDF :712943.0/44

All: 0.008+/-0.000 χ^2/NDF : 1391988.9/85

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -2.234 $\pm$ 0.000 χ^2 /NDF: 21308570046.7/17

Left Out: -0.912 $\pm$ 0.000 χ^2 /NDF: 49039425818.1/24

Right Out: -2.116 $\pm$ 0.000 χ^2 /NDF: 44694206974.7/19

Left In: -0.851 $\pm$ 0.000 χ^2 /NDF: 46438446008.2/22

Left: -0.882 $\pm$ 0.000 χ^2 /NDF: 96285672564.6/47

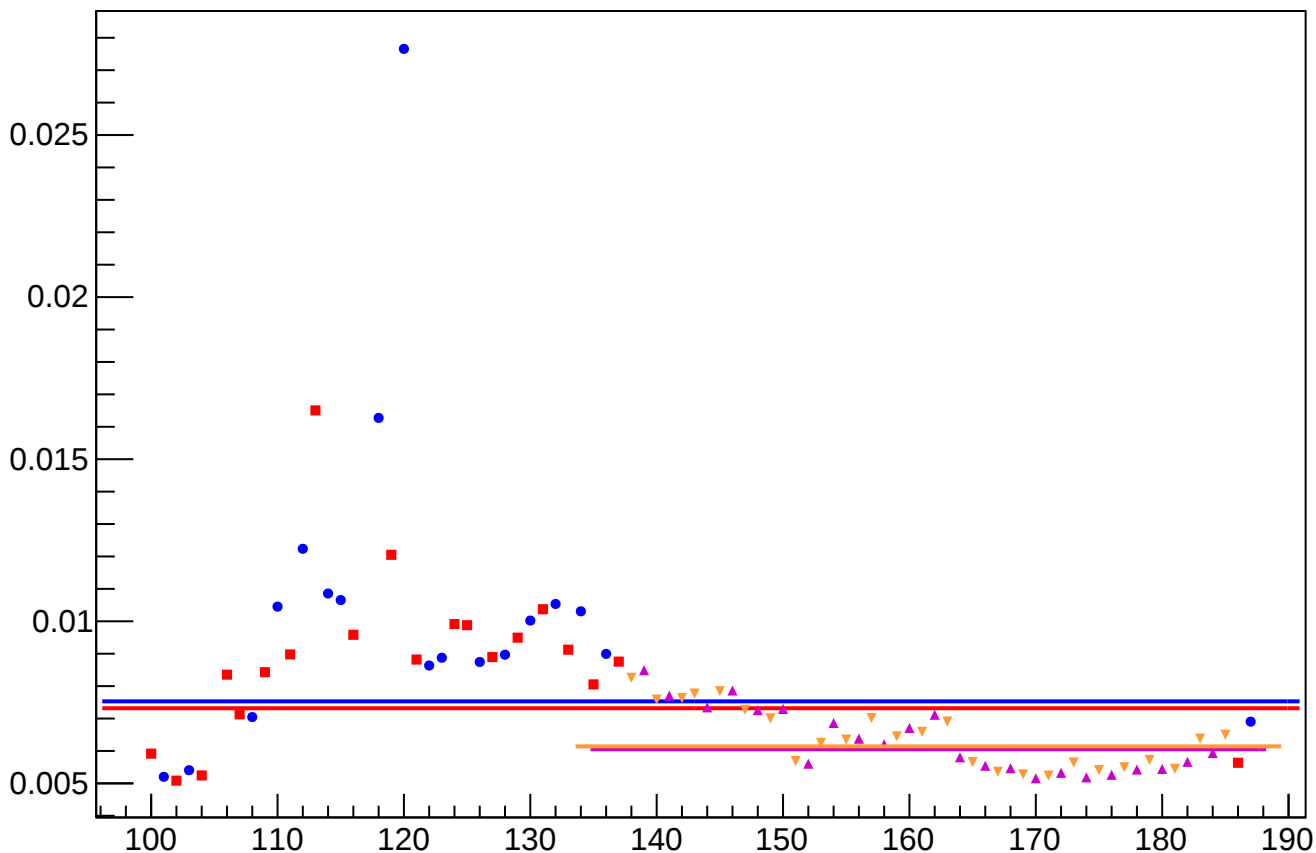
Right: -2.169 $\pm$ 0.000 χ^2 /NDF: 66692598439.5/37

In: -1.090 $\pm$ 0.000 χ^2 /NDF: 211235998625.0/40

Out: -1.150 $\pm$ 0.000 χ^2 /NDF: 221533879852.7/44

All: -1.121 $\pm$ 0.000 χ^2 /NDF: 433755065588.1

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 1217296.6/17

Left Out: 0.006+/-0.000 χ^2/NDF : 637765.4/24

Right Out: 0.007+/-0.000 χ^2/NDF : 990259.9/19

Left In: 0.006+/-0.000 χ^2/NDF : 697577.8/22

Left: 0.006+/-0.000 χ^2/NDF : 1338871.2/47

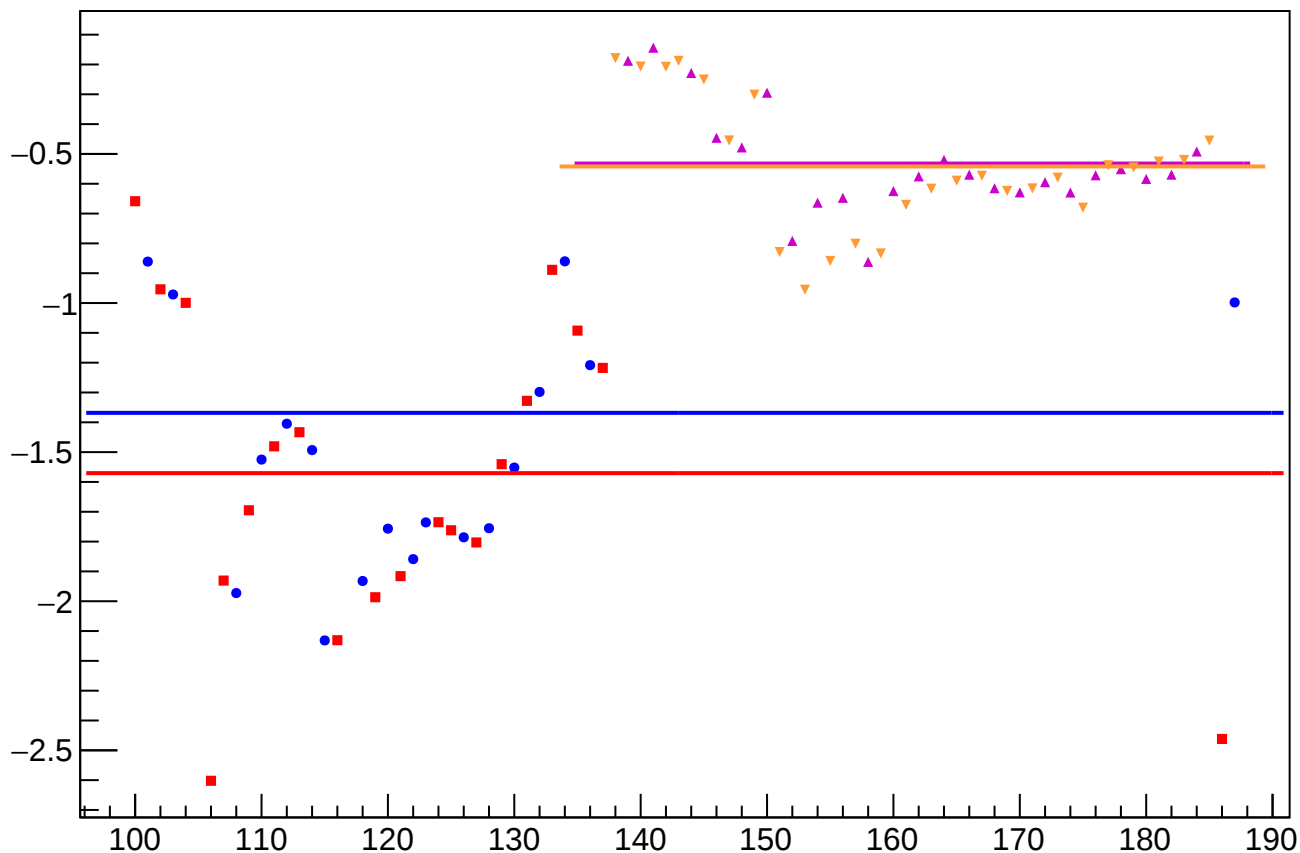
Right: 0.007+/-0.000 χ^2/NDF : 2212051.8/37

In: 0.006+/-0.000 χ^2/NDF : 2242643.8/40

Out: 0.006+/-0.000 χ^2/NDF : 1871544.6/44

All: 0.006+/-0.000 χ^2/NDF : 4116631.0/85

yield_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: -1.368+/-0.000 χ^2/NDF : 20480925641.8/17

Left Out: -0.542+/-0.000 χ^2/NDF : 47268284910.3/24

Right Out: -1.570+/-0.000 χ^2/NDF : 52171143578.1/19

Left In: -0.532+/-0.000 χ^2/NDF : 30715235426.8/22

Left: -0.537+/-0.000 χ^2/NDF : 78028833870.1/47

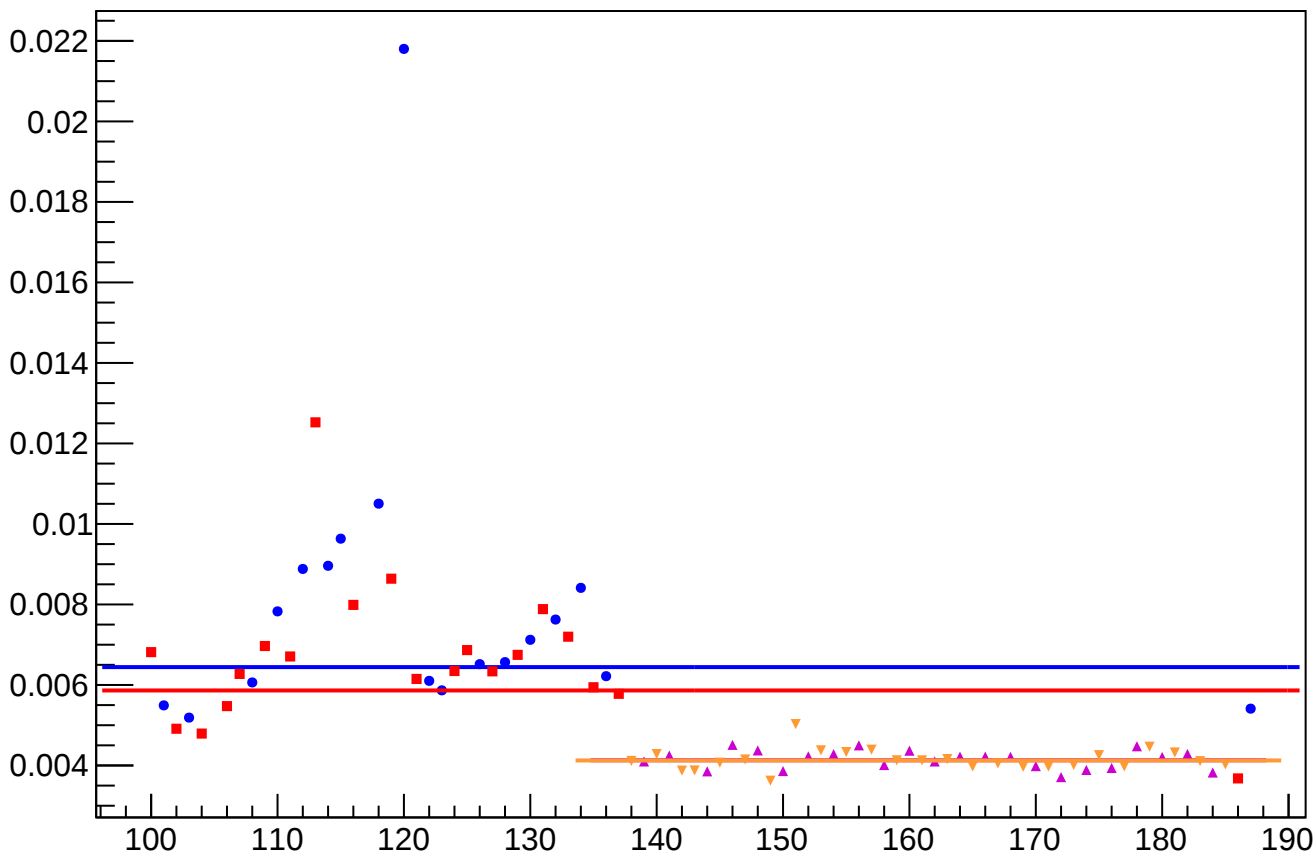
Right: -1.483+/-0.000 χ^2/NDF : 75755120680.3/37

In: -0.636+/-0.000 χ^2/NDF : 132776704889.2/40

Out: -0.697+/-0.000 χ^2/NDF : 257747521083.7/44

All: -0.668+/-0.000 χ^2/NDF : 392580563540.8

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 578944.0/17

Left Out: 0.004+/-0.000 χ^2/NDF : 113033.9/24

Right Out: 0.006+/-0.000 χ^2/NDF : 689554.8/19

Left In: 0.004+/-0.000 χ^2/NDF : 93111.2/22

Left: 0.004+/-0.000 χ^2/NDF : 206172.1/47

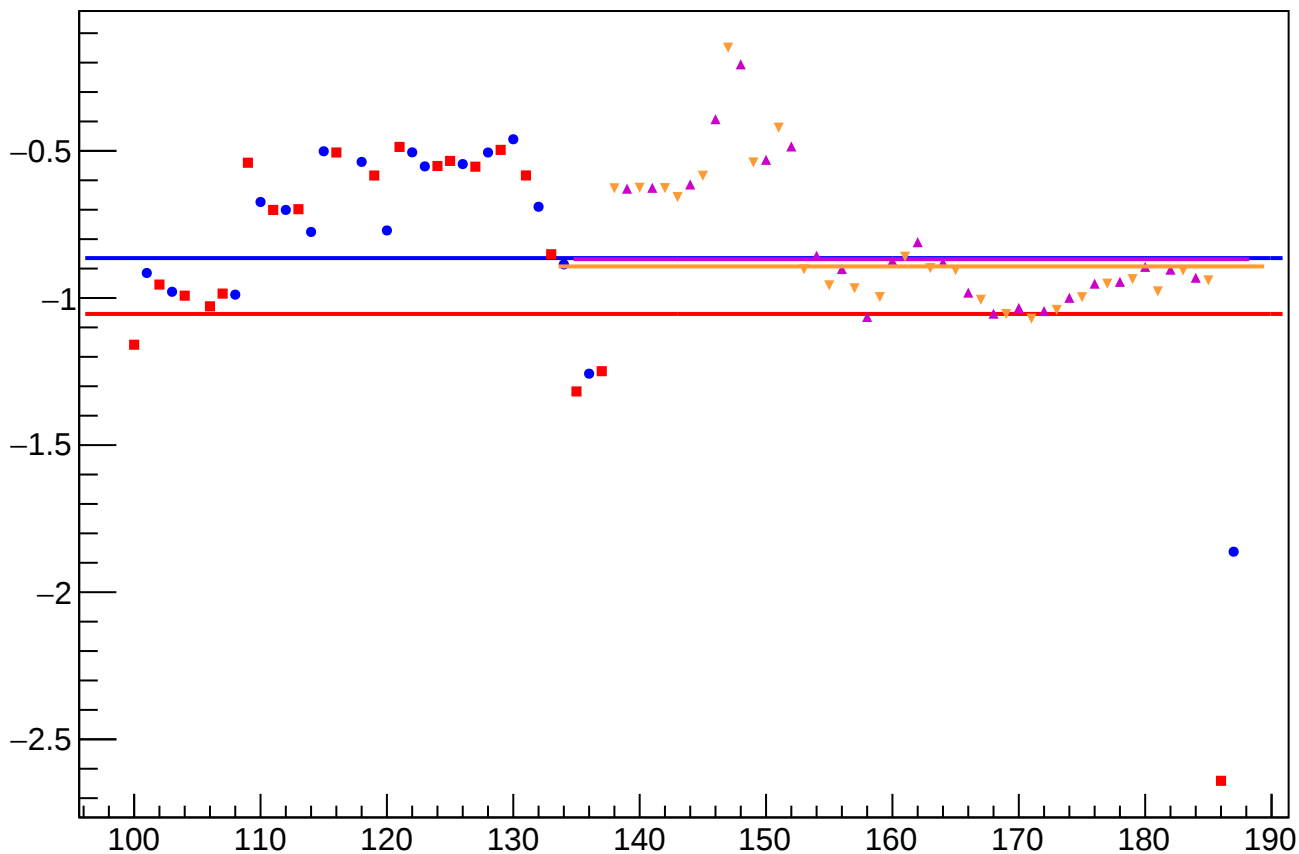
Right: 0.006+/-0.000 χ^2/NDF : 1319645.5/37

In: 0.004+/-0.000 χ^2/NDF : 1922148.1/40

Out: 0.004+/-0.000 χ^2/NDF : 1707698.1/44

All: 0.004+/-0.000 χ^2/NDF : 3630942.8/85

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.864 ± 0.000 $\chi^2/\text{NDF}: 23939465426.5/17$

Left Out: -0.893 ± 0.000 $\chi^2/\text{NDF}: 40787012603.8/24$

Right Out: -1.054 ± 0.000 $\chi^2/\text{NDF}: 114925443180.0/19$

Left In: -0.868 ± 0.000 $\chi^2/\text{NDF}: 43853190177.2/22$

Left: -0.880 ± 0.000 $\chi^2/\text{NDF}: 84980637247.0/47$

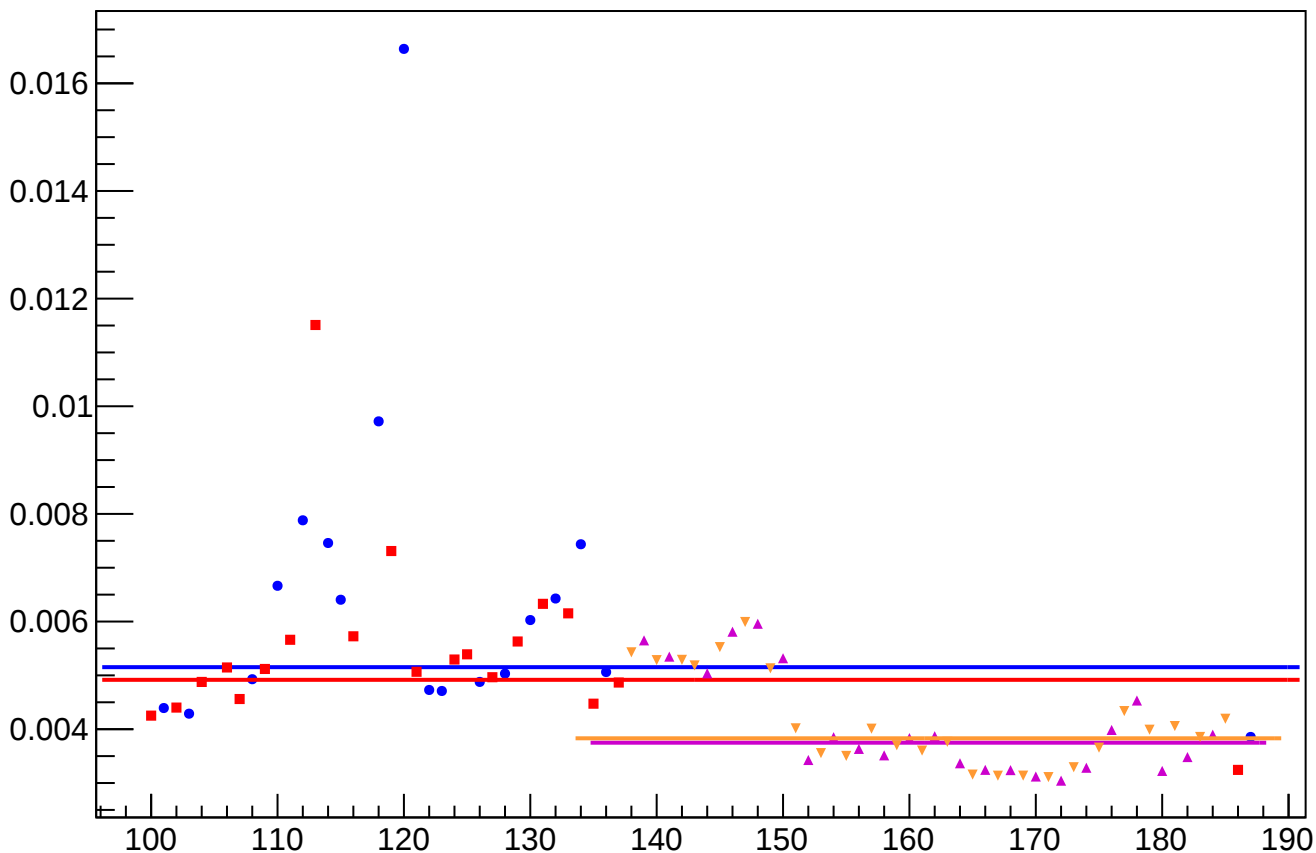
Right: -0.970 ± 0.000 $\chi^2/\text{NDF}: 142963615758.5/37$

In: -0.867 ± 0.000 $\chi^2/\text{NDF}: 67794917320.2/40$

Out: -0.923 ± 0.000 $\chi^2/\text{NDF}: 161142965881.8/44$

All: -0.896 ± 0.000 $\chi^2/\text{NDF}: 230985793039.7$

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 696013.3/17

Left Out: 0.004+/-0.000 χ^2/NDF :1179801.7/24

Right Out: 0.005+/-0.000 χ^2/NDF : 577953.5/19

Left In: 0.004+/-0.000 χ^2/NDF :1288490.4/22

Left: 0.004+/-0.000 χ^2/NDF : 2475792.1/47

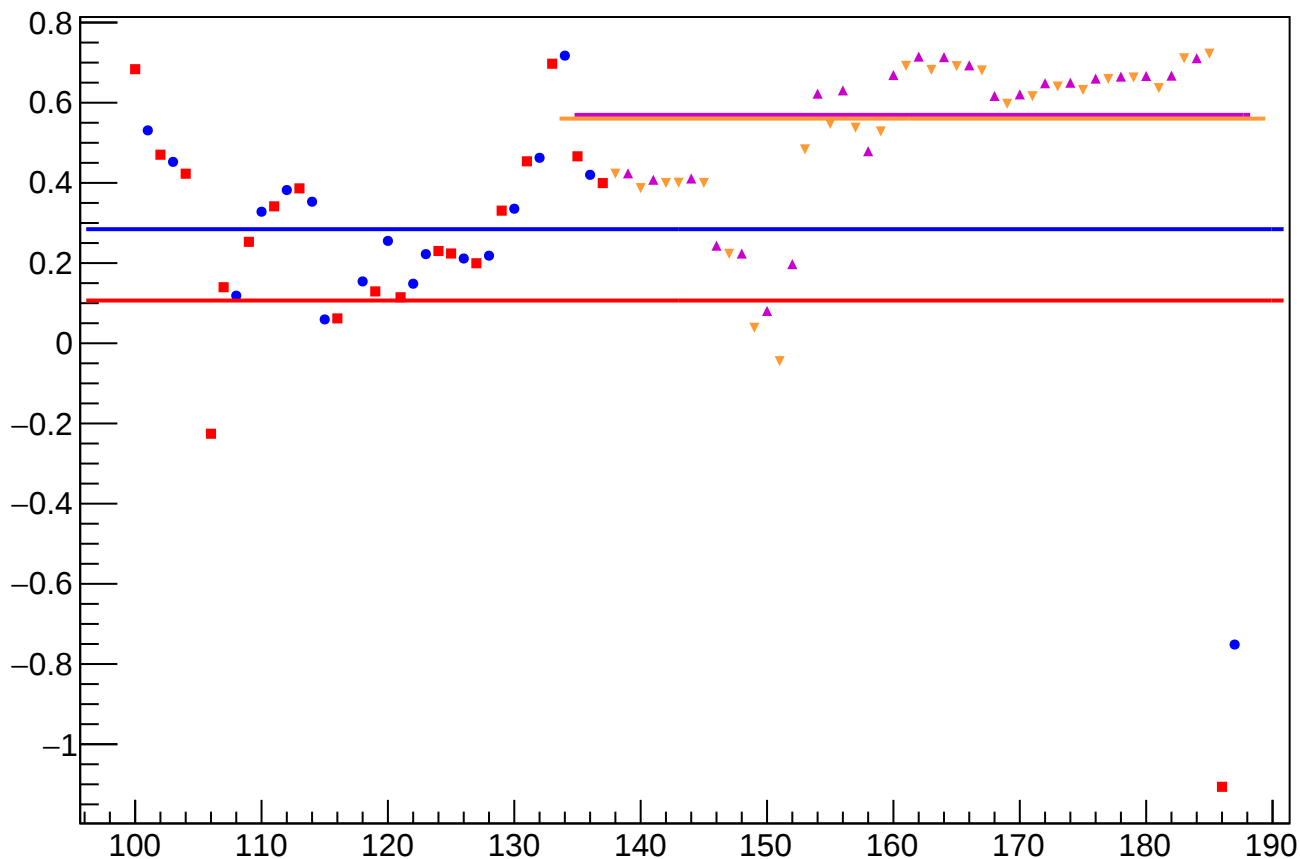
Right: 0.005+/-0.000 χ^2/NDF : 1286573.1/37

In: 0.004+/-0.000 χ^2/NDF :2667549.2/40

Out: 0.004+/-0.000 χ^2/NDF :2248930.6/44

All: 0.004+/-0.000 χ^2/NDF : 4922120.2/85

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.285+/-0.000

χ^2/NDF : 32757932635.6/17

Left Out: 0.560+/-0.000

χ^2/NDF : 45205806387.2/24

Right Out: 0.107+/-0.000

χ^2/NDF : 139125417363.4/19

Left In: 0.570+/-0.000

χ^2/NDF : 42104067973.0/22

Left: 0.565+/-0.000

χ^2/NDF : 87378176036.1/47

Right: 0.185+/-0.000

χ^2/NDF : 178385501614.5/37

In: 0.515+/-0.000

χ^2/NDF : 99029610549.1/40

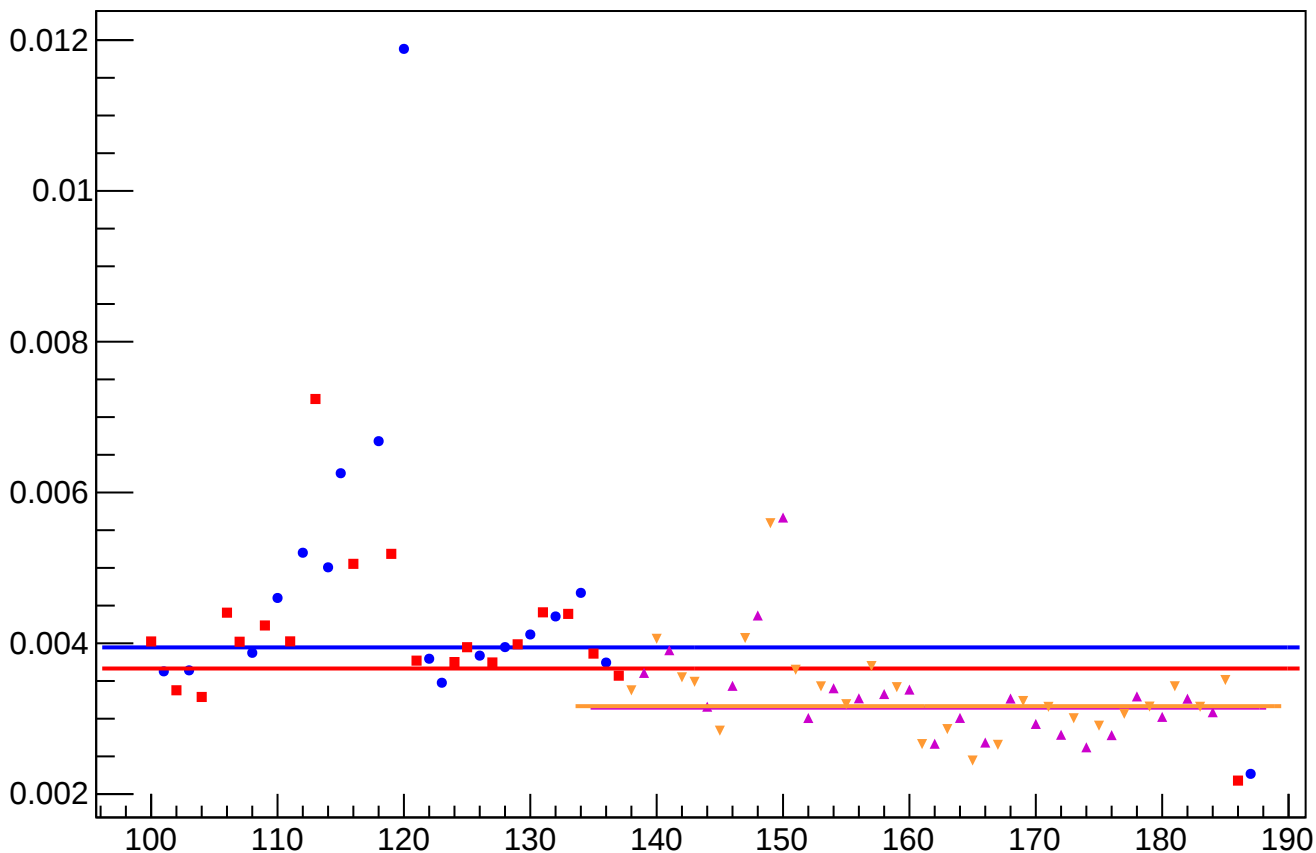
Out: 0.459+/-0.000

χ^2/NDF : 258722554833.8/44

All: 0.486+/-0.000

χ^2/NDF : 360907301375.4

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 586735.0/17

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 744886.7/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 641899.4/19

Left In: 0.003 $\pm$ 0.000 χ^2 /NDF: 716402.8/22

Left: 0.003 $\pm$ 0.000 χ^2 /NDF: 1461906.1/47

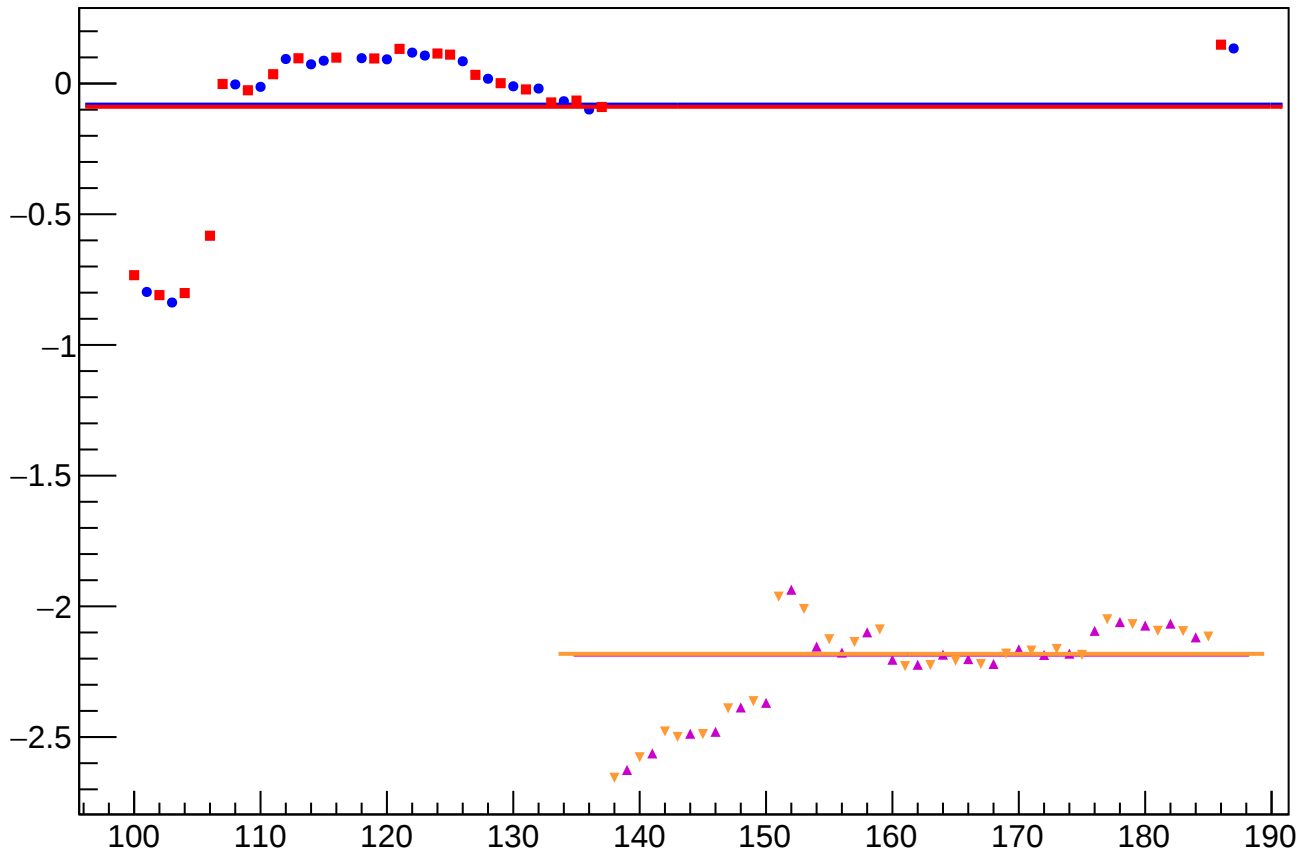
Right: 0.004 $\pm$ 0.000 χ^2 /NDF: 1260851.8/37

In: 0.003 $\pm$ 0.000 χ^2 /NDF: 1683214.6/40

Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 1567143.8/44

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 3251273.0/85

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.081 ± 0.000 $\chi^2/\text{NDF}: 5059249630.2/17$

Left Out: -2.182 ± 0.000 $\chi^2/\text{NDF}: 4008829567.0/24$

Right Out: -0.089 ± 0.000 $\chi^2/\text{NDF}: 5774327081.9/19$

Left In: -2.185 ± 0.000 $\chi^2/\text{NDF}: 3372742534.3/22$

Left: -2.183 ± 0.000 $\chi^2/\text{NDF}: 7382310821.5/47$

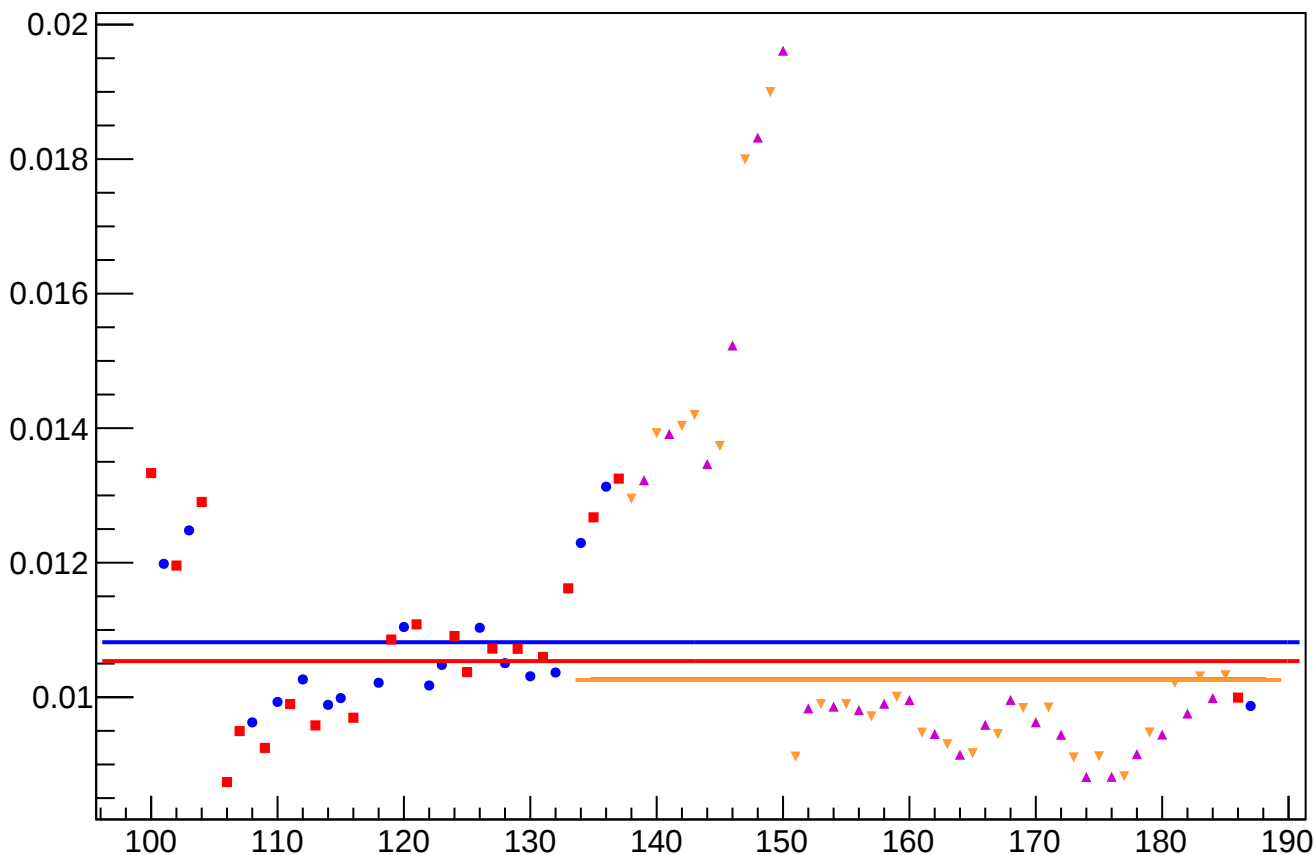
Right: -0.085 ± 0.000 $\chi^2/\text{NDF}: 10835744936.9/37$

In: -1.620 ± 0.000 $\chi^2/\text{NDF}: 195605386398.5/40$

Out: -1.589 ± 0.000 $\chi^2/\text{NDF}: 218071423816.9/44$

All: -1.603 ± 0.000 $\chi^2/\text{NDF}: 413785371165.7$

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 127024.5/17

Left Out: 0.010+/-0.000 χ^2/NDF :1270617.6/24

Right Out: 0.011+/-0.000 χ^2/NDF : 181126.8/19

Left In: 0.010+/-0.000 χ^2/NDF :1340264.2/22

Left: 0.010+/-0.000 χ^2/NDF : 2610893.2/47

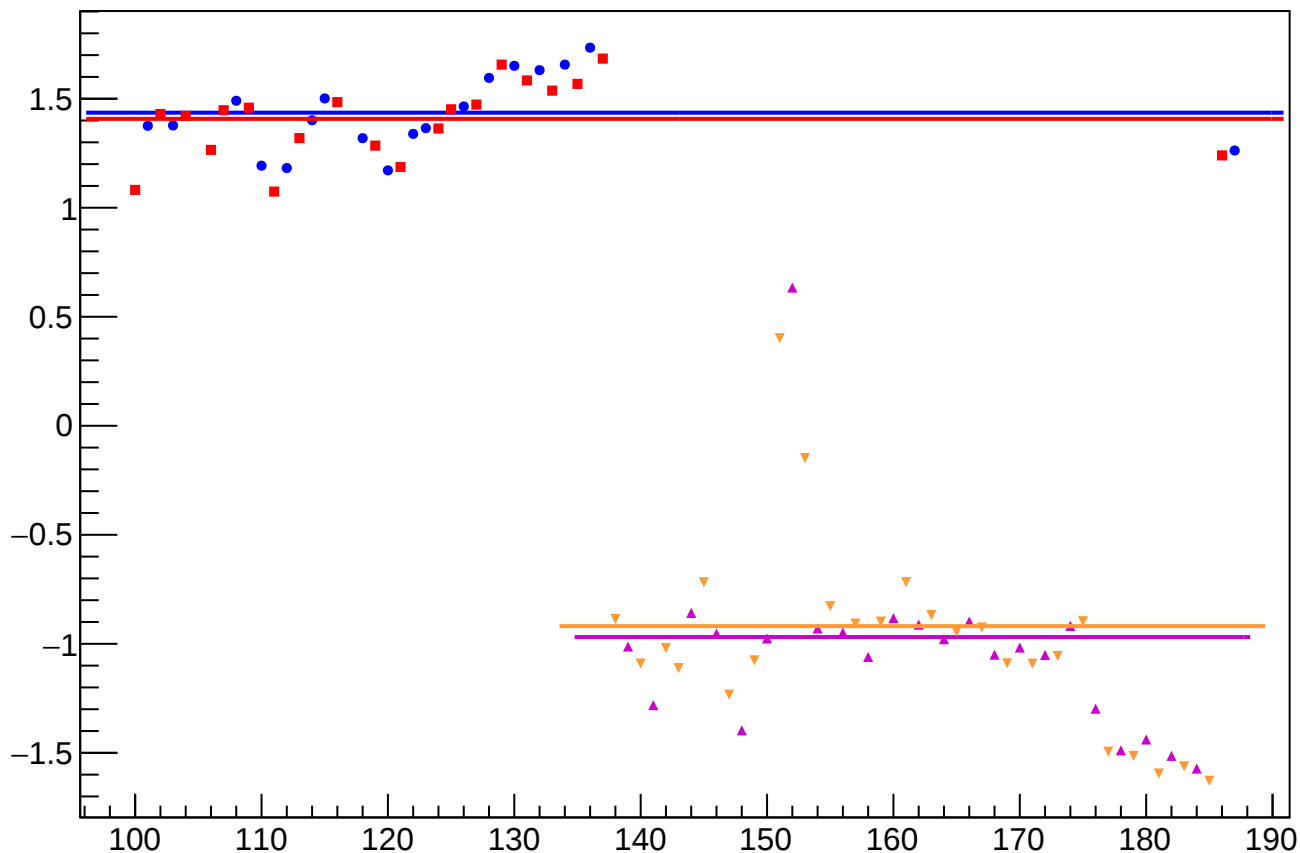
Right: 0.011+/-0.000 χ^2/NDF : 313020.4/37

In: 0.010+/-0.000 χ^2/NDF :1493170.7/40

Out: 0.010+/-0.000 χ^2/NDF :1459251.0/44

All: 0.010+/-0.000 χ^2/NDF : 2953763.0/85

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.436 $\pm$ 0.000

χ^2 /NDF: 3521911595.5/17

Left: -0.943 $\pm$ 0.000

χ^2 /NDF: 110825900215.1/47

Left Out: -0.919 $\pm$ 0.000

χ^2 /NDF: 55622252895.8/24

Right: 1.421 $\pm$ 0.000

χ^2 /NDF: 6444778457.8/37

Right Out: 1.408 $\pm$ 0.000

χ^2 /NDF: 2870792047.3/19

In: -0.147 $\pm$ 0.000

χ^2 /NDF: 531496499247.7/40

Left In: -0.969 $\pm$ 0.000

χ^2 /NDF: 54895002535.8/22

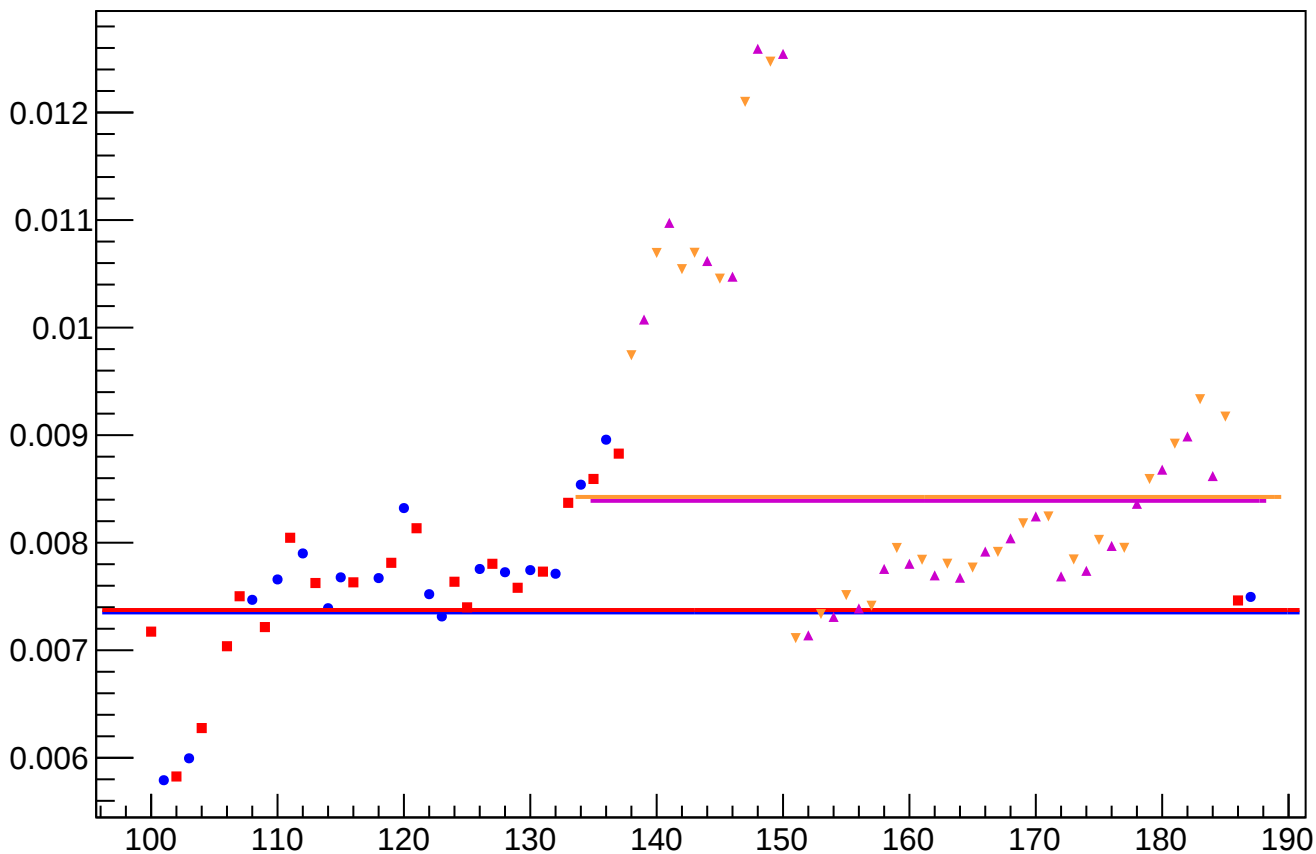
Out: -0.105 $\pm$ 0.000

χ^2 /NDF: 535633016932.9/44

All: -0.126 $\pm$ 0.000

χ^2 /NDF: 1067461175879

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 228780.4/17

Left Out: 0.008+/-0.000 χ^2/NDF : 792337.0/24

Right Out: 0.007+/-0.000 χ^2/NDF : 172531.0/19

Left In: 0.008+/-0.000 χ^2/NDF : 839880.4/22

Left: 0.008+/-0.000 χ^2/NDF : 1632536.0/47

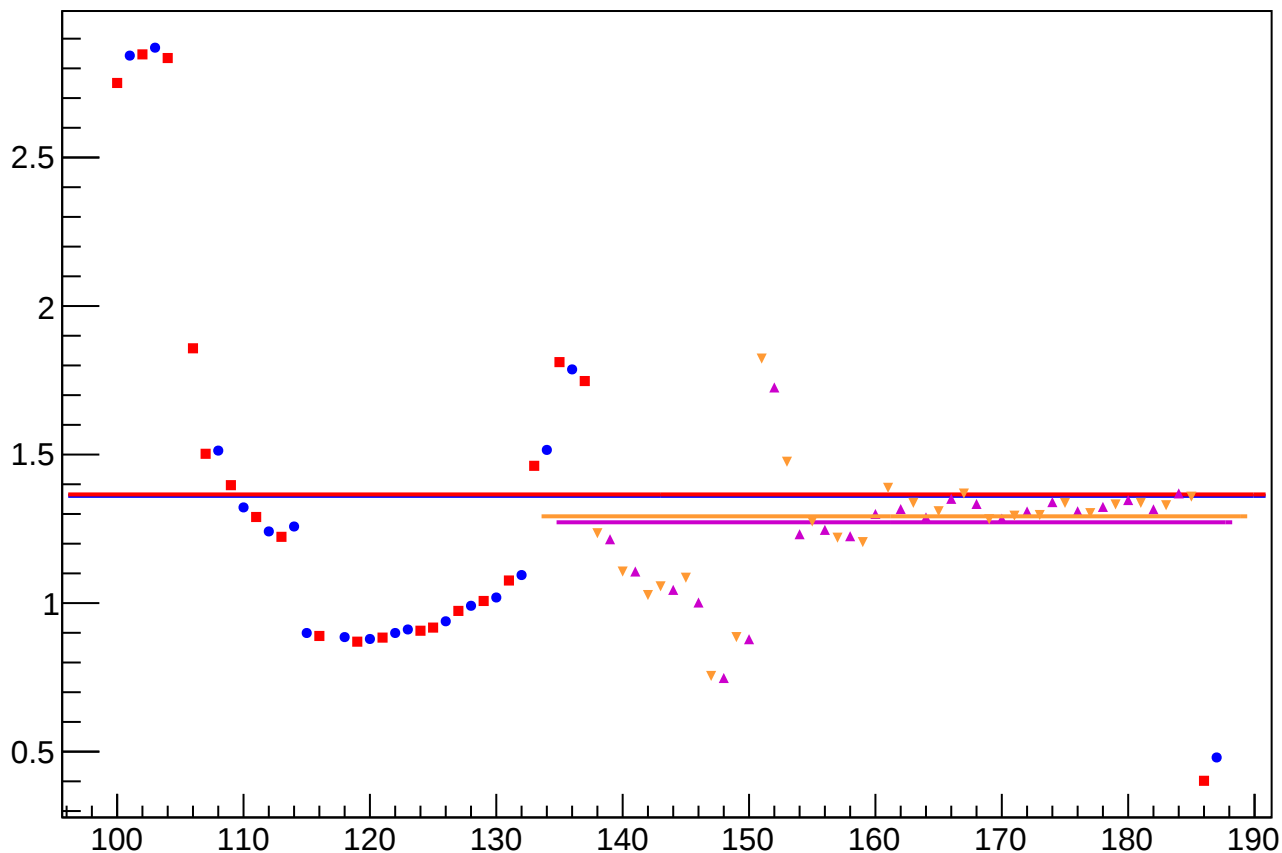
Right: 0.007+/-0.000 χ^2/NDF : 401376.6/37

In: 0.008+/-0.000 χ^2/NDF : 1244819.9/40

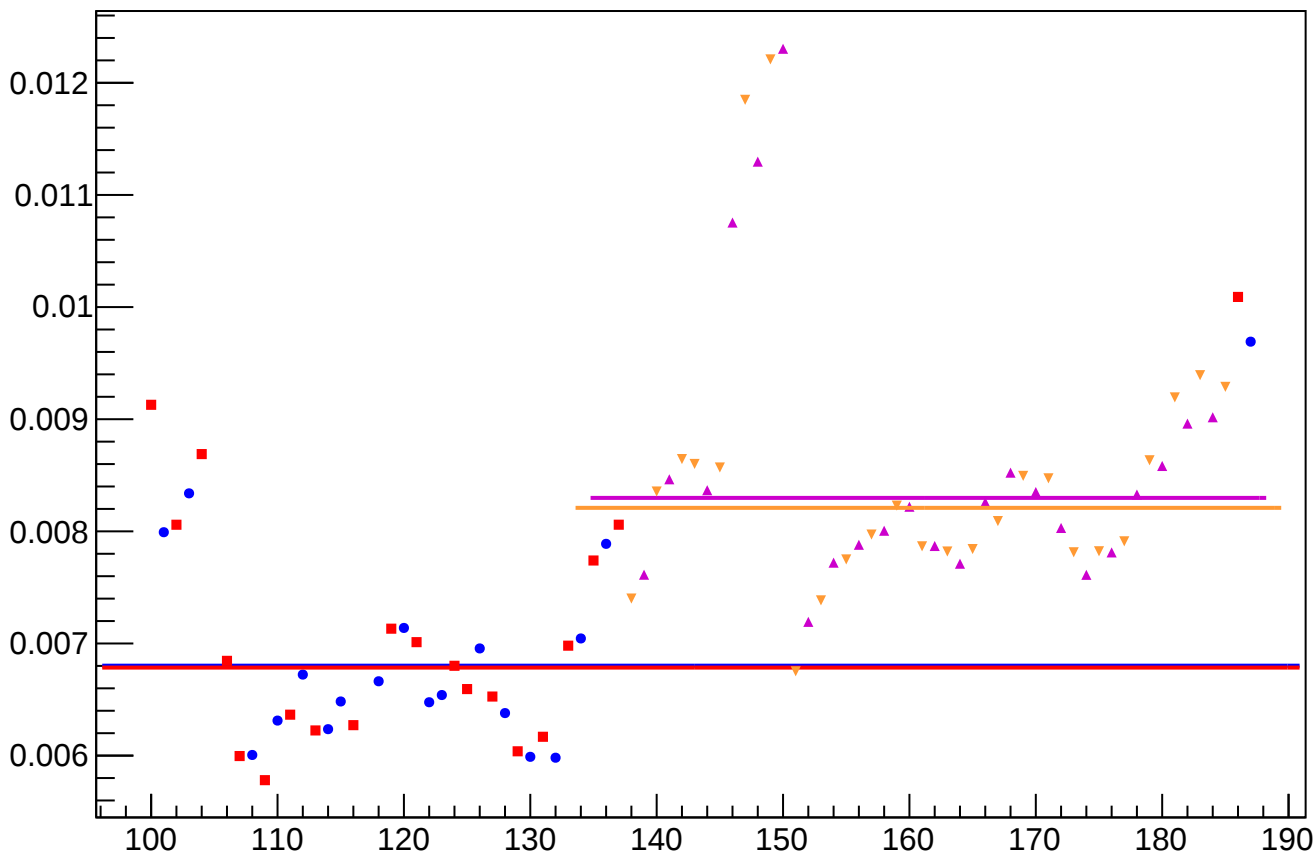
Out: 0.008+/-0.000 χ^2/NDF : 1159734.9/44

All: 0.008+/-0.000 χ^2/NDF : 2404751.9/85

yield_bpm1i04X_mean vs Slug, Sign Corrected



yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 185792.0/17

Left Out: 0.008+/-0.000 χ^2/NDF : 478864.9/24

Right Out: 0.007+/-0.000 χ^2/NDF : 272698.6/19

Left In: 0.008+/-0.000 χ^2/NDF : 462022.1/22

Left: 0.008+/-0.000 χ^2/NDF : 942877.3/47

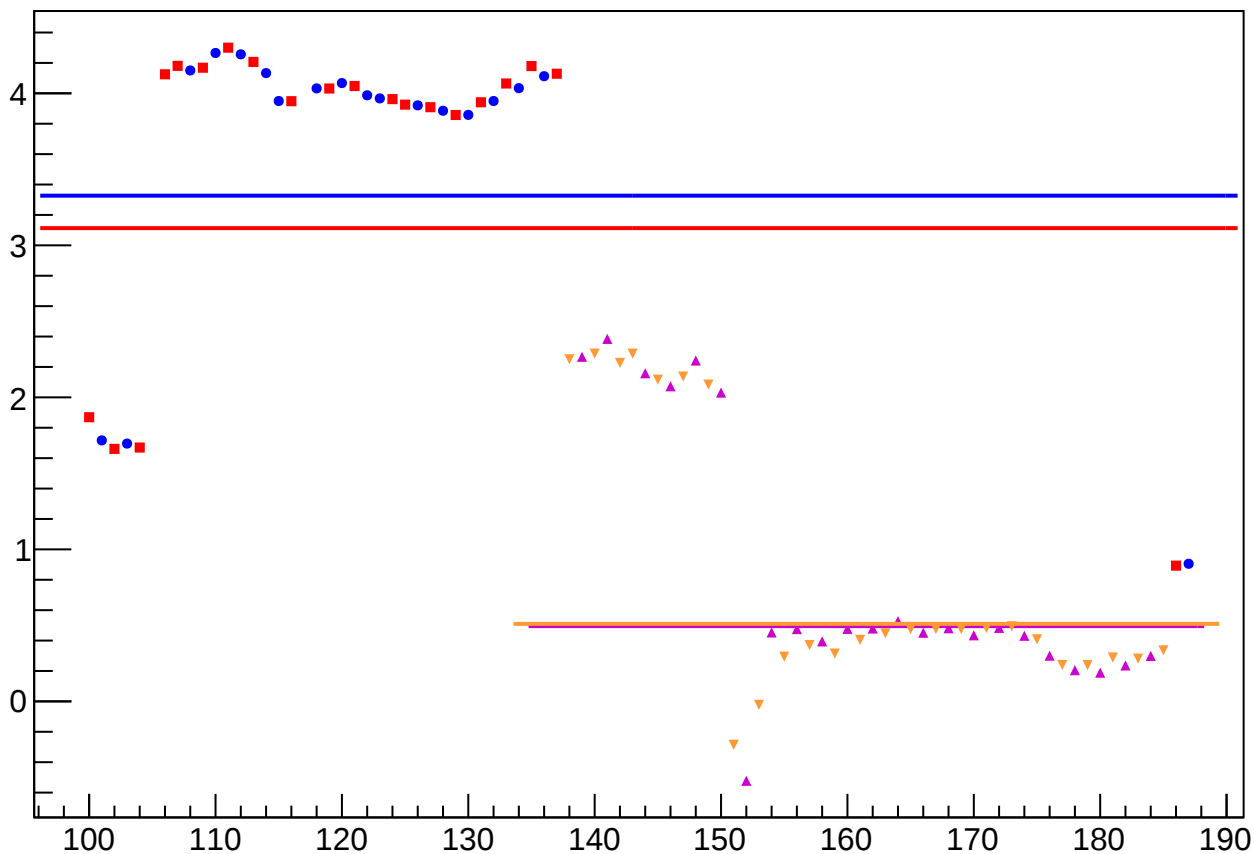
Right: 0.007+/-0.000 χ^2/NDF : 458534.8/37

In: 0.008+/-0.000 χ^2/NDF : 1055495.9/40

Out: 0.008+/-0.000 χ^2/NDF : 1153584.3/44

All: 0.008+/-0.000 χ^2/NDF : 2210850.0/85

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.327+/-0.000

χ^2/NDF : 344062356047.3/17

Left Out: 0.510+/-0.000

χ^2/NDF : 274818814912.4/24

Right Out: 3.113+/-0.000

χ^2/NDF : 538638826481.5/19

Left In: 0.495+/-0.000

χ^2/NDF : 268863202792.4/22

Left: 0.503+/-0.000

χ^2/NDF : 543767842878.3/47

Right: 3.211+/-0.000

χ^2/NDF : 888624525222.1/37

In: 1.175+/-0.000

χ^2/NDF : 2071499678807.9/40

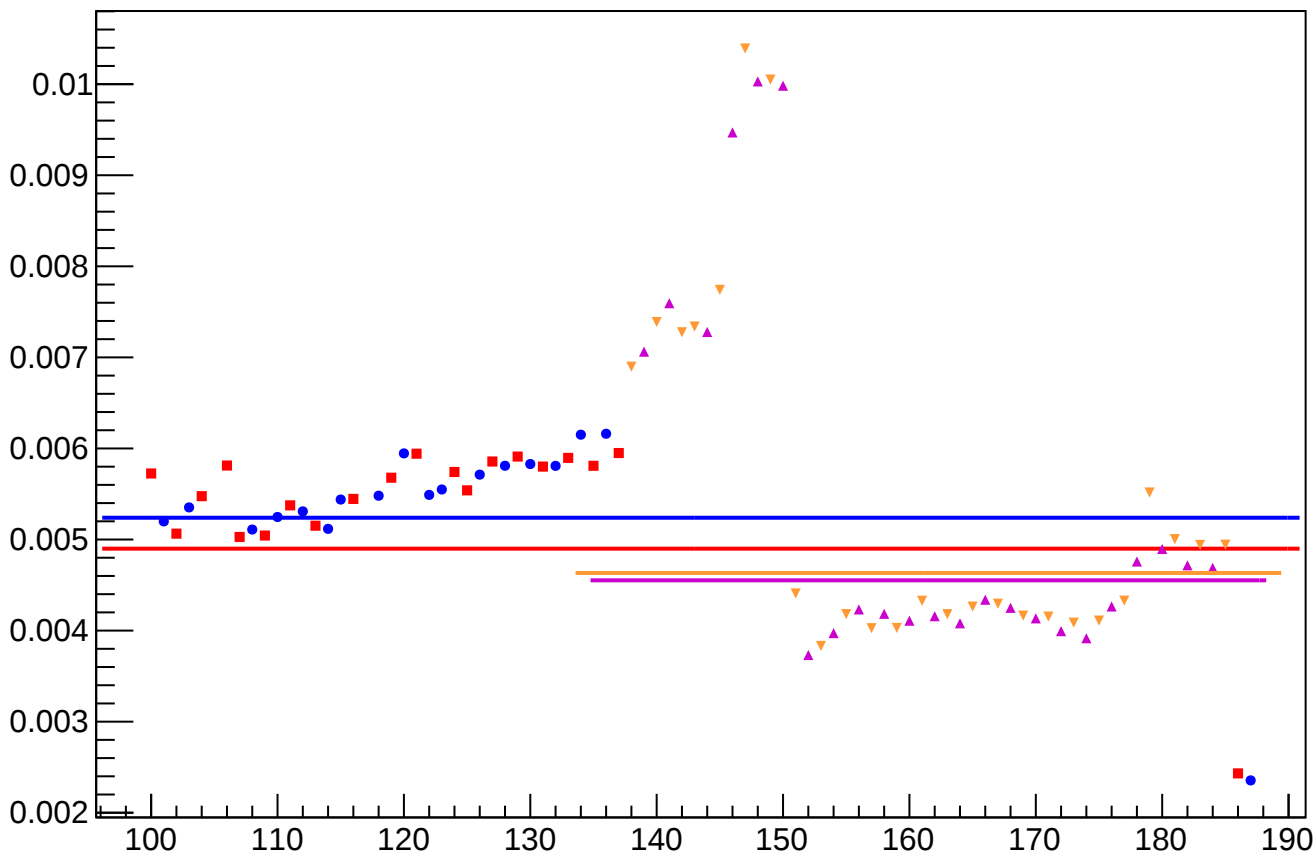
Out: 1.209+/-0.000

χ^2/NDF : 2225904919047.5/44

All: 1.192+/-0.000

χ^2/NDF : 4297994922974.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 497416.3/17

Left Out: 0.005+/-0.000 χ^2/NDF :2114007.7/24

Right Out: 0.005+/-0.000 χ^2/NDF : 907610.4/19

Left In: 0.005+/-0.000 χ^2/NDF :2237666.9/22

Left: 0.005+/-0.000 χ^2/NDF : 4356682.7/47

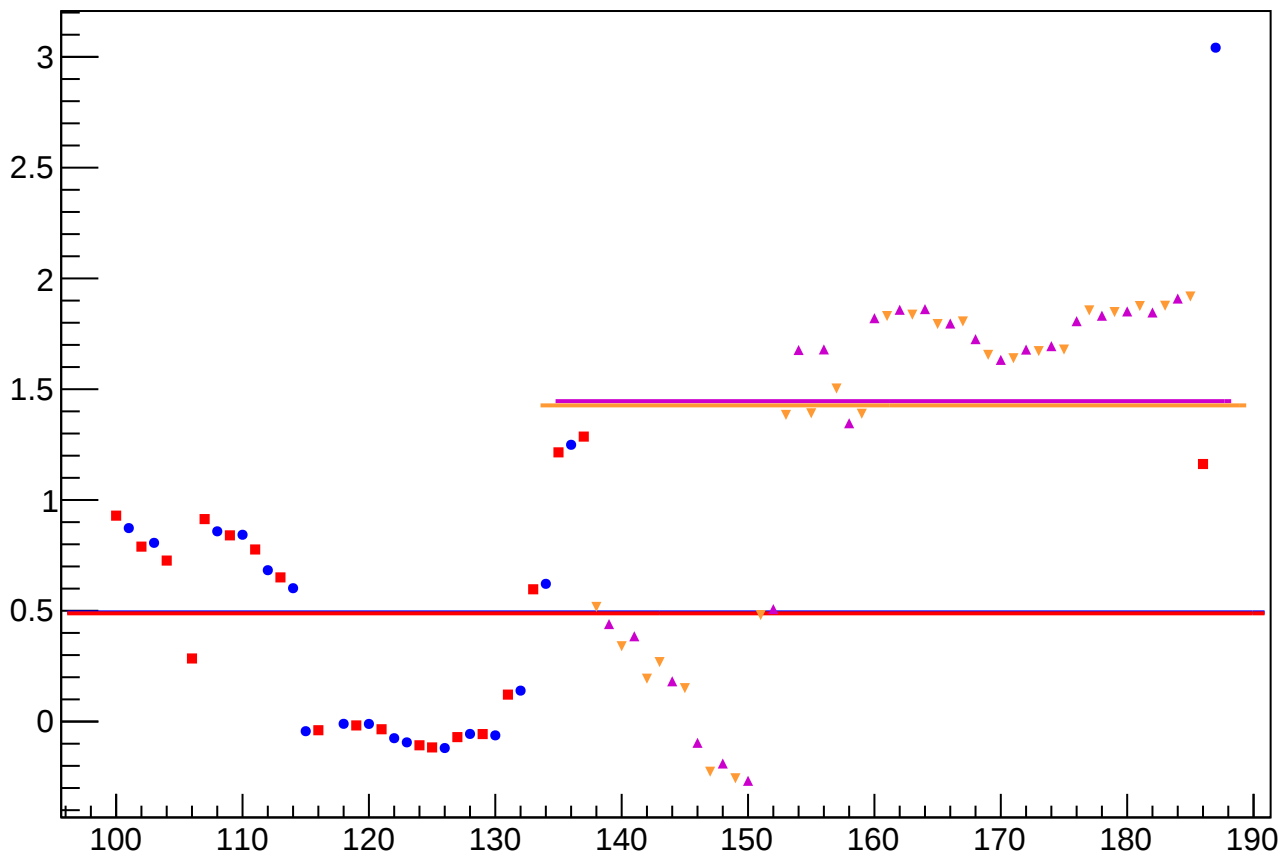
Right: 0.005+/-0.000 χ^2/NDF : 1435077.9/37

In: 0.005+/-0.000 χ^2/NDF :2906940.5/40

Out: 0.005+/-0.000 χ^2/NDF :3051247.7/44

All: 0.005+/-0.000 χ^2/NDF : 5958352.2/85

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.493 $\pm$ 0.000 χ^2/NDF : 16320283512.6/17

Left Out: 1.427 $\pm$ 0.000 χ^2/NDF : 49990787038.3/24

Right Out: 0.488 $\pm$ 0.000 χ^2/NDF : 8043255102.8/19

Left In: 1.446 $\pm$ 0.000 χ^2/NDF : 53752493130.3/22

Left: 1.436 $\pm$ 0.000 χ^2/NDF : 103768857952.7/47

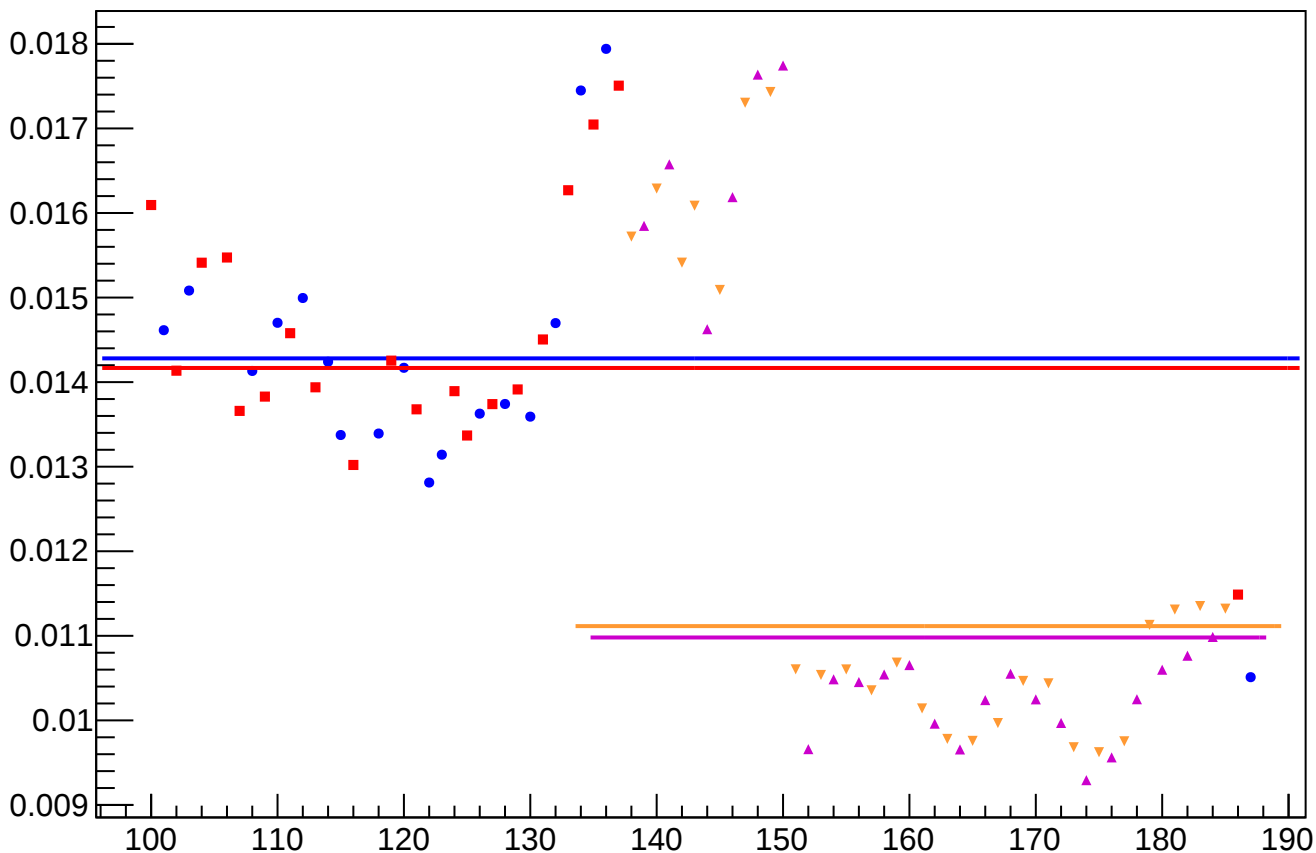
Right: 0.491 $\pm$ 0.000 χ^2/NDF : 24363867966.2/37

In: 1.261 $\pm$ 0.000 χ^2/NDF : 94257919139.3/40

Out: 1.236 $\pm$ 0.000 χ^2/NDF : 83471510977.0/44

All: 1.249 $\pm$ 0.000 χ^2/NDF : 177784069228.1

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 149771.9/17

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF :1227493.2/24

Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 118170.0/19

Left In: 0.011 $\pm$ 0.000 χ^2/NDF :1264827.0/22

Left: 0.011 $\pm$ 0.000 χ^2/NDF : 2494847.1/47

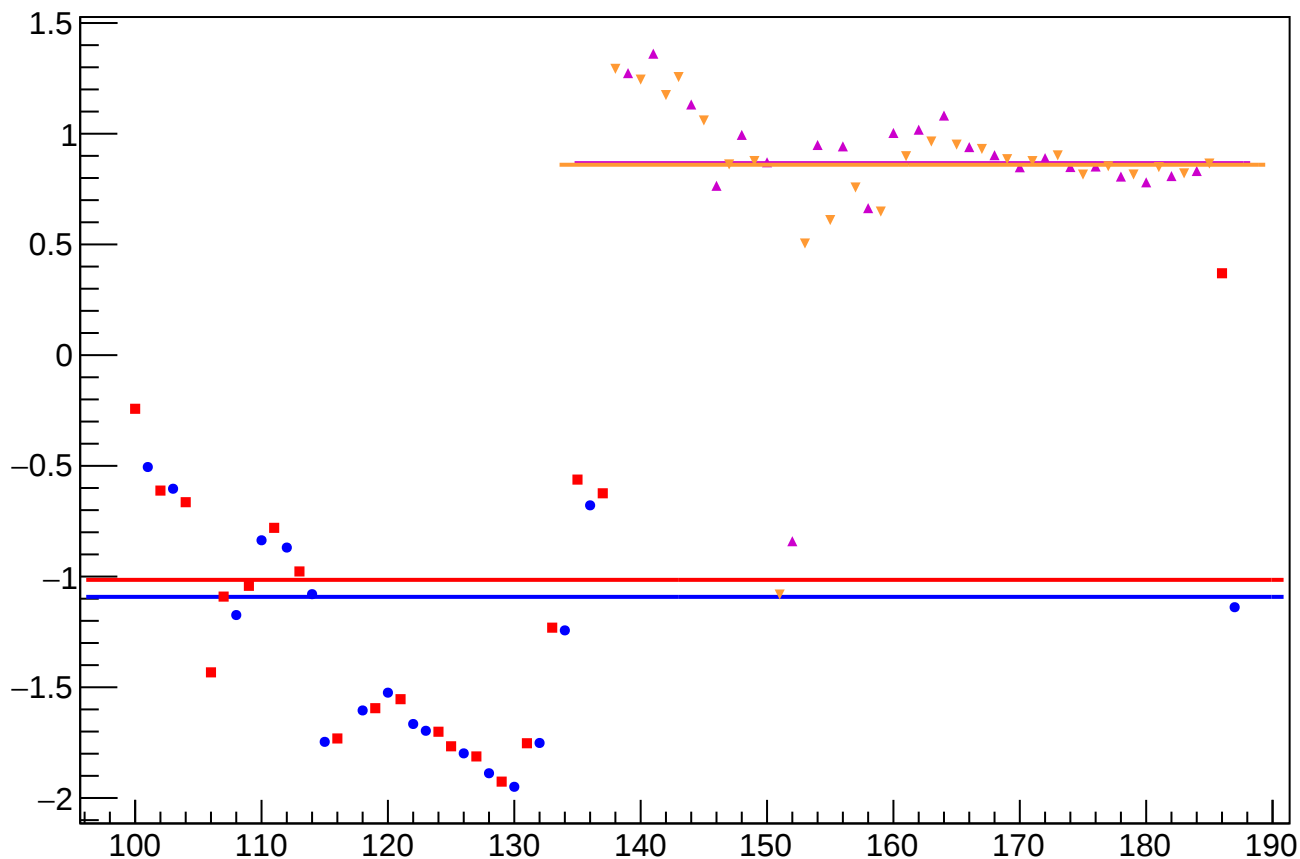
Right: 0.014 $\pm$ 0.000 χ^2/NDF : 268387.1/37

In: 0.012 $\pm$ 0.000 χ^2/NDF :1994399.5/40

Out: 0.012 $\pm$ 0.000 χ^2/NDF :1883829.5/44

All: 0.012 $\pm$ 0.000 χ^2/NDF : 3880531.7/85

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.092 ± 0.000 $\chi^2/\text{NDF}: 55550499732.6/17$

Left Out: 0.860 ± 0.000 $\chi^2/\text{NDF}: 126335891175.4/24$

Right Out: -1.015 ± 0.000 $\chi^2/\text{NDF}: 61847574704.9/19$

Left In: 0.867 ± 0.000 $\chi^2/\text{NDF}: 147039402944.6/22$

Left: 0.863 ± 0.000 $\chi^2/\text{NDF}: 273407894621.9/47$

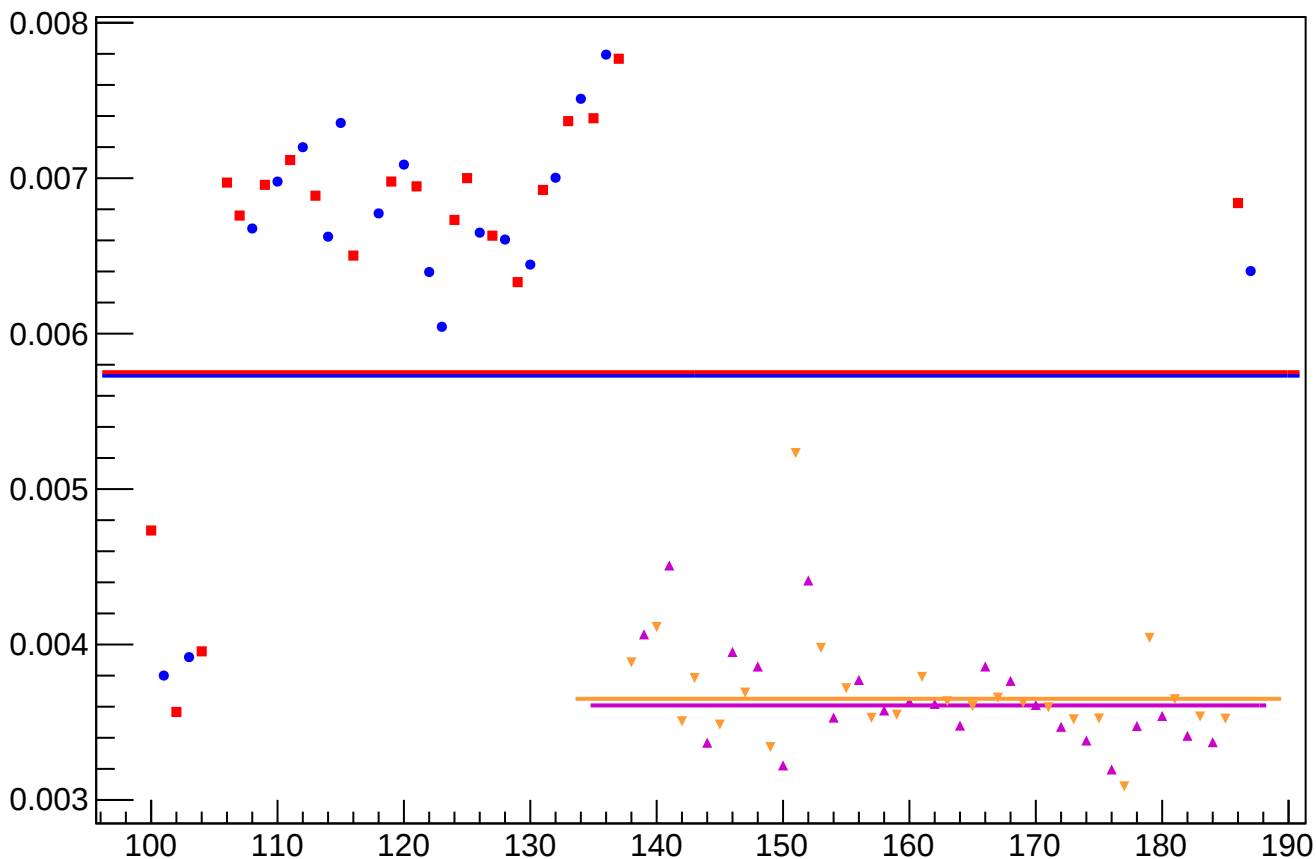
Right: -1.052 ± 0.000 $\chi^2/\text{NDF}: 117959372686.9/37$

In: 0.607 ± 0.000 $\chi^2/\text{NDF}: 816894212070.9/40$

Out: 0.606 ± 0.000 $\chi^2/\text{NDF}: 784081904464.9/44$

All: 0.607 ± 0.000 $\chi^2/\text{NDF}: 1600976943859.$

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 841283.0/17

Left Out: 0.004+/-0.000 χ^2/NDF :237262.6/24

Right Out: 0.006+/-0.000 χ^2/NDF : 940009.4/19

Left In: 0.004+/-0.000 χ^2/NDF :227861.4/22

Left: 0.004+/-0.000 χ^2/NDF : 467360.2/47

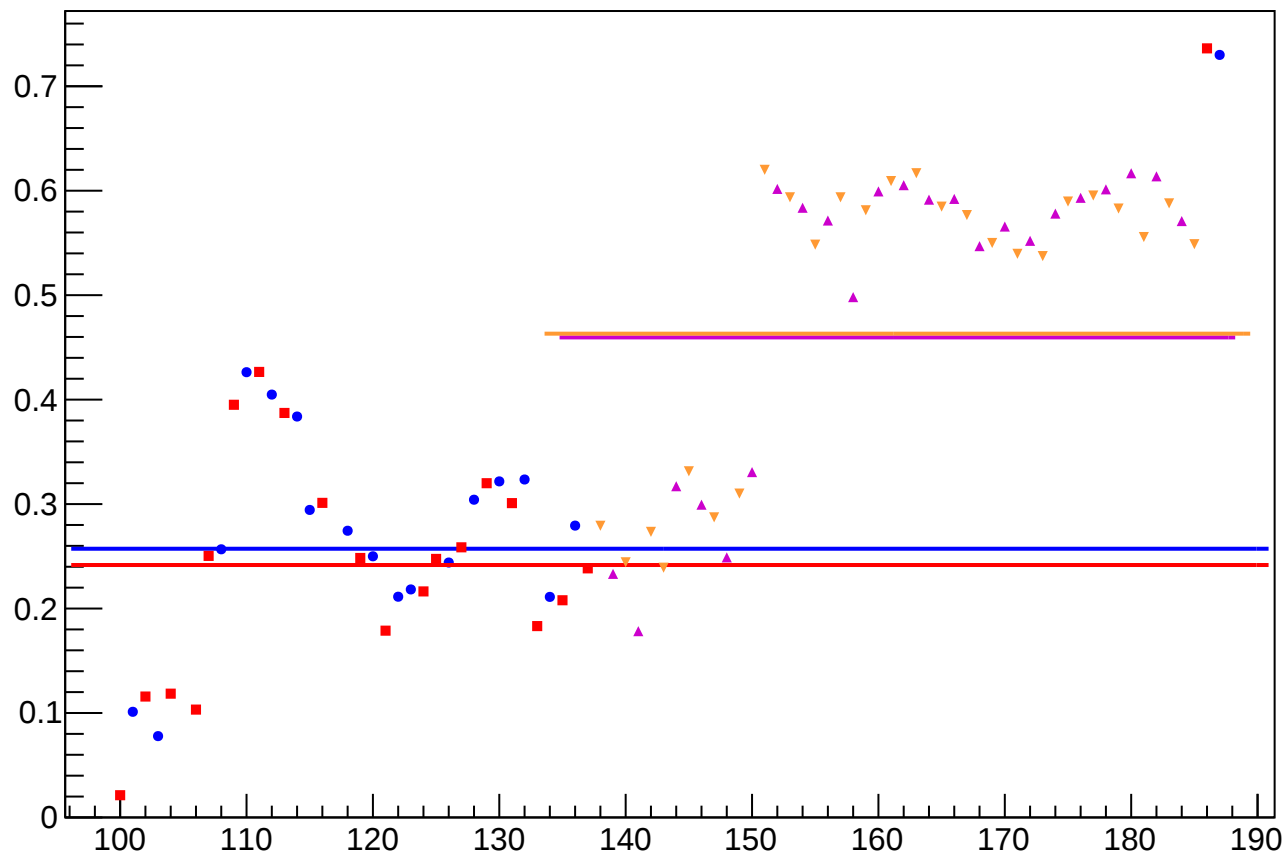
Right: 0.006+/-0.000 χ^2/NDF : 1781386.7/37

In: 0.004+/-0.000 χ^2/NDF :2510314.1/40

Out: 0.004+/-0.000 χ^2/NDF :2674343.3/44

All: 0.004+/-0.000 χ^2/NDF : 5187596.2/85

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.257+/-0.000

χ^2/NDF : 23307781837.1/17

Left: 0.461+/-0.000 χ^2/NDF : 207093695005.5/47

Right: 0.249+/-0.000 χ^2/NDF : 55379770716.6/37

Left Out: 0.463+/-0.000

χ^2/NDF : 102506270538.7/24

In: 0.385+/-0.000 χ^2/NDF : 191125285031.0/40

Right Out: 0.242+/-0.000

χ^2/NDF : 31758588130.7/19

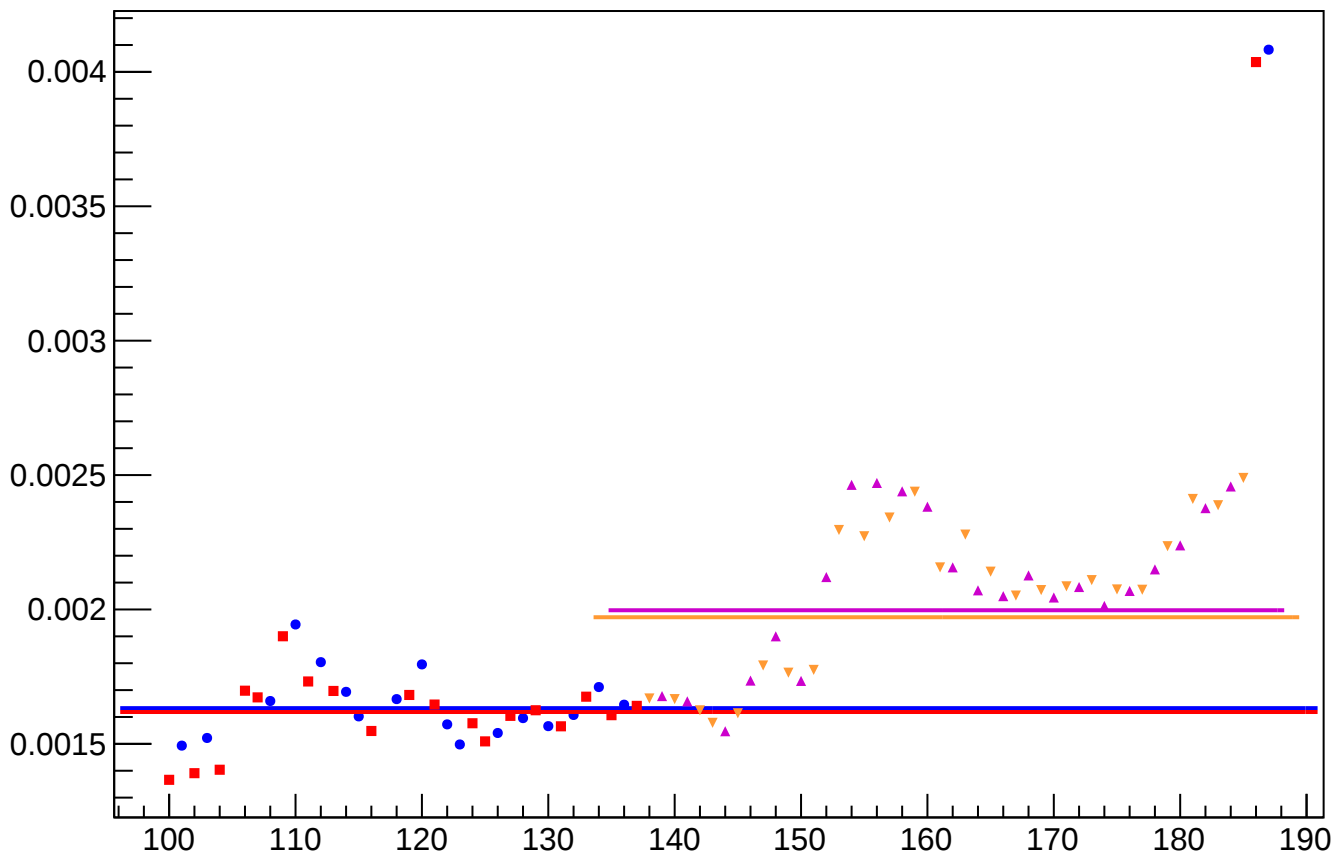
Out: 0.380+/-0.000 χ^2/NDF : 218450901414.1/44

Left In: 0.460+/-0.000

χ^2/NDF : 104559088628.4/22

All: 0.383+/-0.000 χ^2/NDF : 409653880057.3

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 159960.2/17

Left Out: 0.002+/-0.000 χ^2/NDF : 730203.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 363555.5/19

Left In: 0.002+/-0.000 χ^2/NDF : 666404.2/22

Left: 0.002+/-0.000 χ^2/NDF : 1399578.1/47

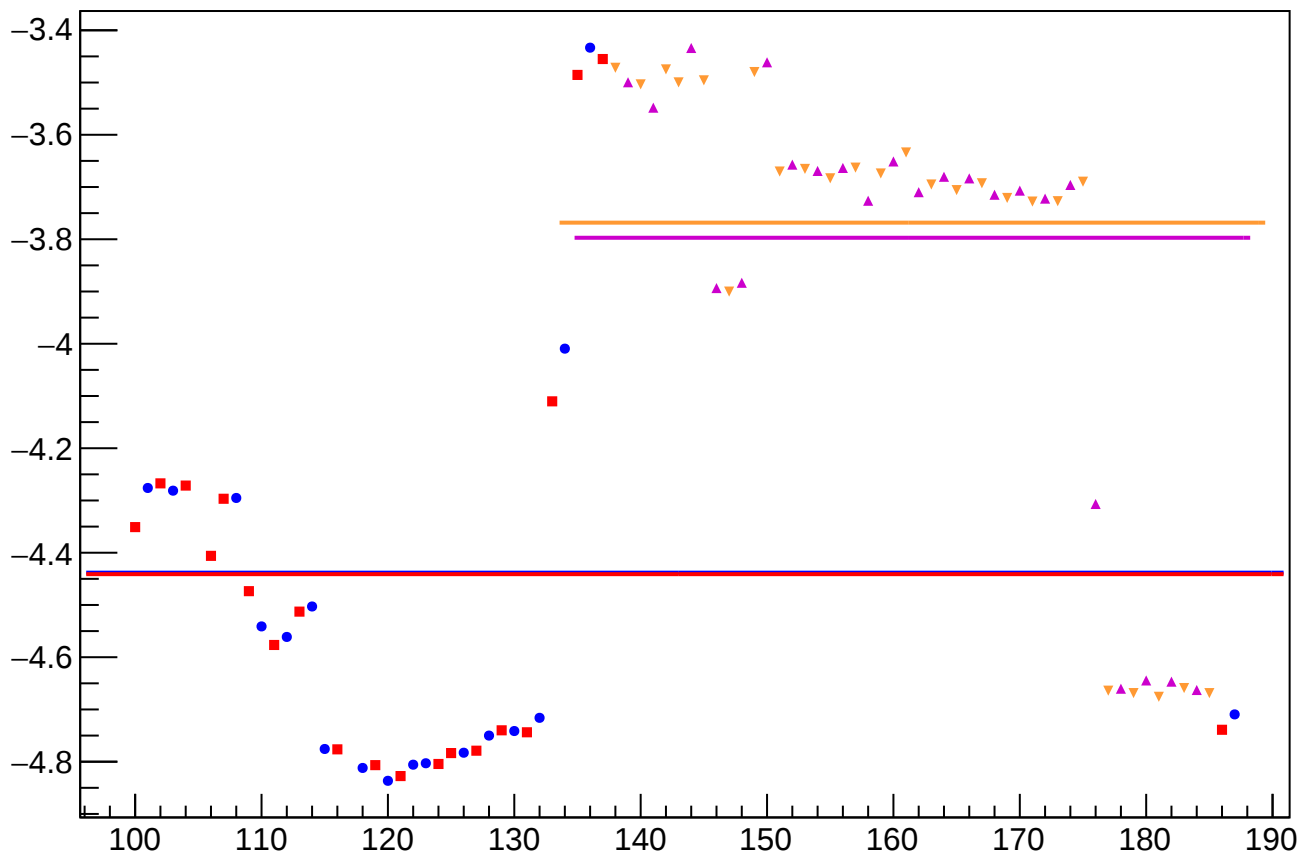
Right: 0.002+/-0.000 χ^2/NDF : 524049.4/37

In: 0.002+/-0.000 χ^2/NDF : 1236365.2/40

Out: 0.002+/-0.000 χ^2/NDF : 1520428.8/44

All: 0.002+/-0.000 χ^2/NDF : 2760726.9/85

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.438+/-0.000 χ^2/NDF : 393458719044.2/17

Left Out: -3.768+/-0.000 χ^2/NDF : 516780173940.8/24

Right Out: -4.441+/-0.000 χ^2/NDF : 328276371518.5/19

Left In: -3.797+/-0.000 χ^2/NDF : 444886272608.9/22

Left: -3.782+/-0.000 χ^2/NDF : 963205684454.6/47

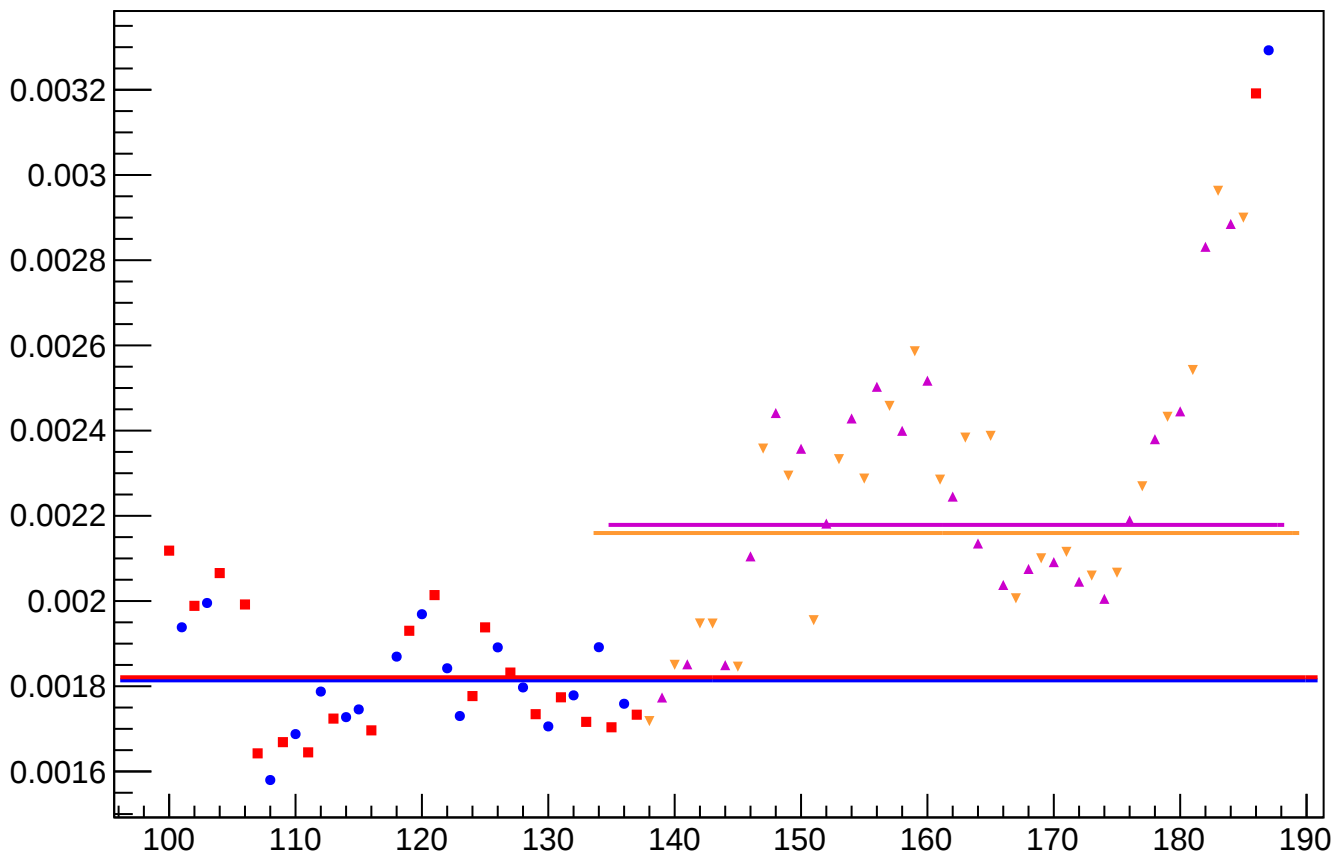
Right: -4.440+/-0.000 χ^2/NDF : 721743747407.1/37

In: -4.029+/-0.000 χ^2/NDF : 1364996598861.3/40

Out: -4.011+/-0.000 χ^2/NDF : 1469021534227.3/44

All: -4.020+/-0.000 χ^2/NDF : 2834863673381

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 106249.3/17

Left Out: 0.002+/-0.000 χ^2/NDF :547831.5/24

Right Out: 0.002+/-0.000 χ^2/NDF : 221843.5/19

Left In: 0.002+/-0.000 χ^2/NDF :463279.7/22

Left: 0.002+/-0.000 χ^2/NDF : 1012449.5/47

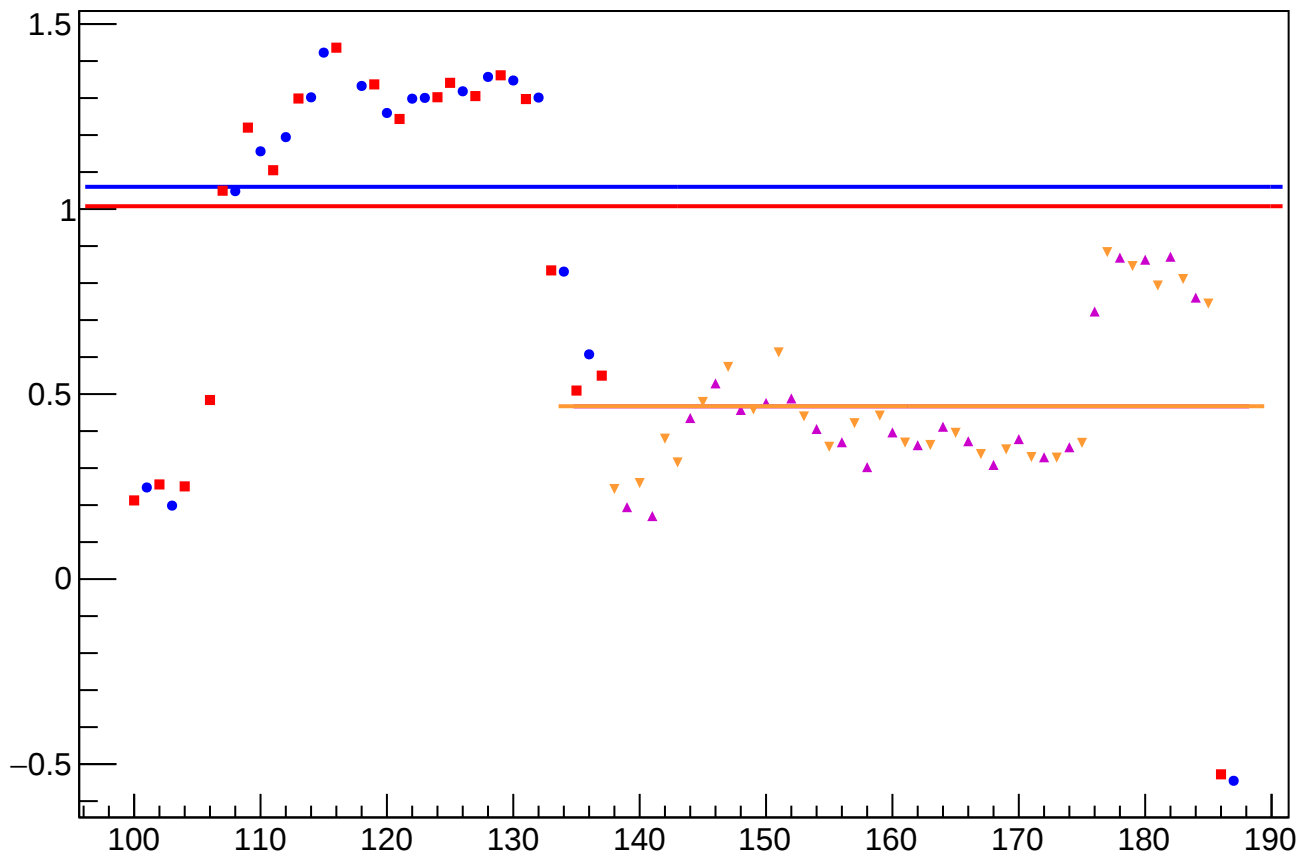
Right: 0.002+/-0.000 χ^2/NDF : 328202.6/37

In: 0.002+/-0.000 χ^2/NDF :910858.4/40

Out: 0.002+/-0.000 χ^2/NDF :1085639.3/44

All: 0.002+/-0.000 χ^2/NDF : 1997041.7/85

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 1.060+/-0.000 χ^2/NDF : 21158359760.3/17

Left Out: 0.467+/-0.000 χ^2/NDF : 7359344143.3/24

Right Out: 1.008+/-0.000 χ^2/NDF : 28013165028.5/19

Left In: 0.467+/-0.000 χ^2/NDF : 8036741308.0/22

Left: 0.467+/-0.000 χ^2/NDF : 15396100488.4/47

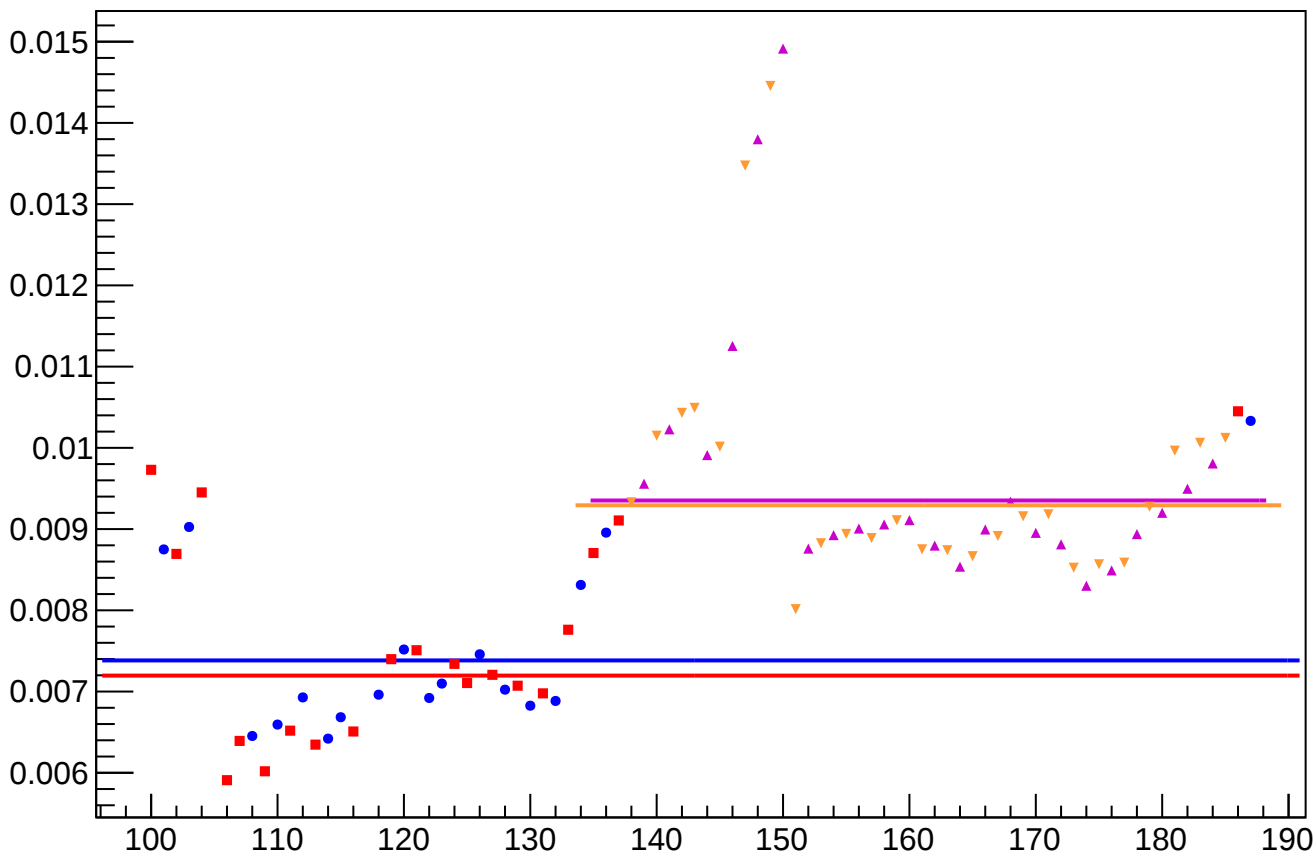
Right: 1.032+/-0.000 χ^2/NDF : 49352565872.7/37

In: 0.697+/-0.000 χ^2/NDF : 55747883333.0/40

Out: 0.685+/-0.000 χ^2/NDF : 59949609020.1/44

All: 0.691+/-0.000 χ^2/NDF : 115722943186.6

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 205525.8/17

Left Out: 0.009+/-0.000 χ^2/NDF :528279.5/24

Right Out: 0.007+/-0.000 χ^2/NDF : 334424.8/19

Left In: 0.009+/-0.000 χ^2/NDF :557555.2/22

Left: 0.009+/-0.000 χ^2/NDF : 1086539.3/47

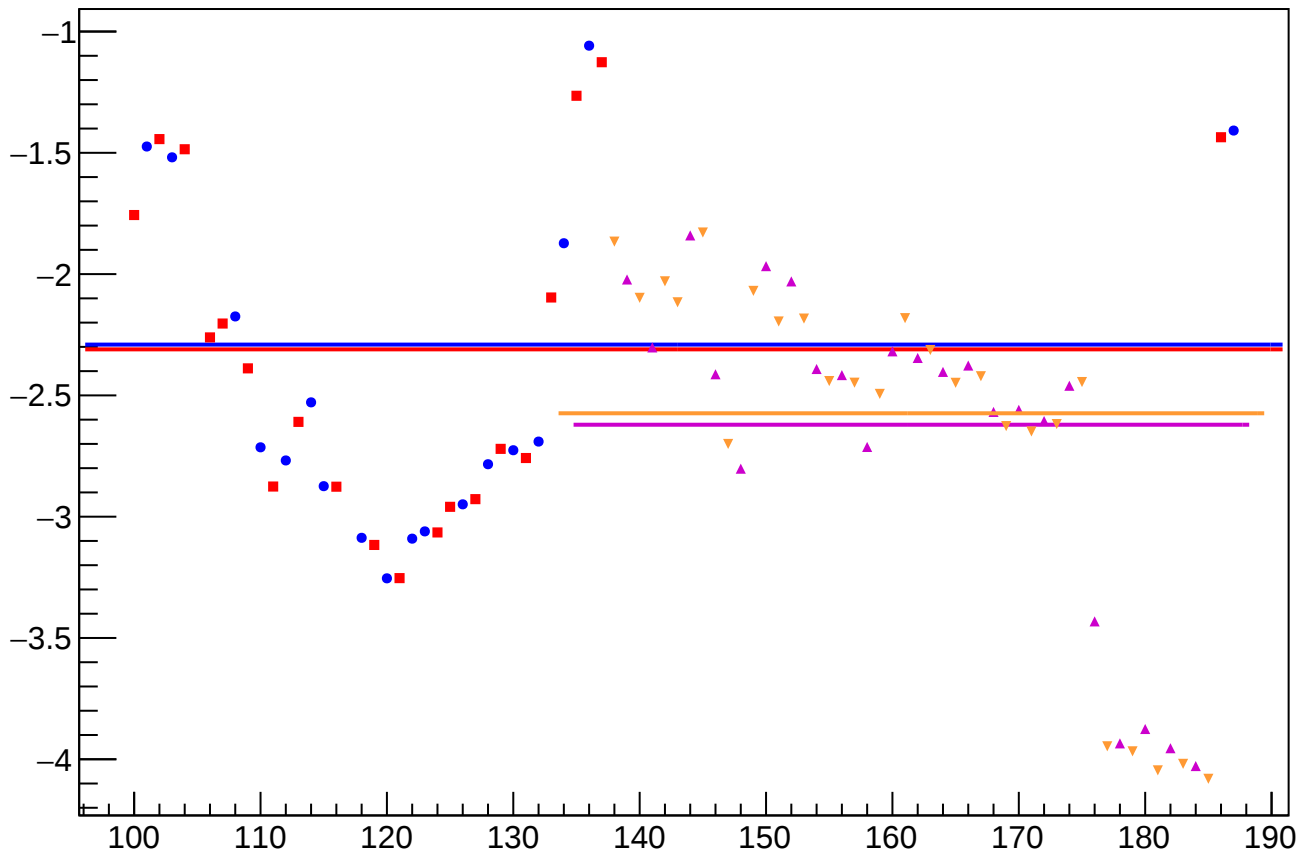
Right: 0.007+/-0.000 χ^2/NDF : 544538.9/37

In: 0.009+/-0.000 χ^2/NDF :1347781.0/40

Out: 0.008+/-0.000 χ^2/NDF :1602242.2/44

All: 0.009+/-0.000 χ^2/NDF : 2956443.8/85

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.291 ± 0.000 $\chi^2/\text{NDF}: 74863386004.6/17$

Left Out: -2.574 ± 0.000 $\chi^2/\text{NDF}: 99176112704.9/24$

Right Out: -2.310 ± 0.000 $\chi^2/\text{NDF}: 67572619948.1/19$

Left In: -2.621 ± 0.000 $\chi^2/\text{NDF}: 80862402796.4/22$

Left: -2.597 ± 0.000 $\chi^2/\text{NDF}: 180296288698.4/47$

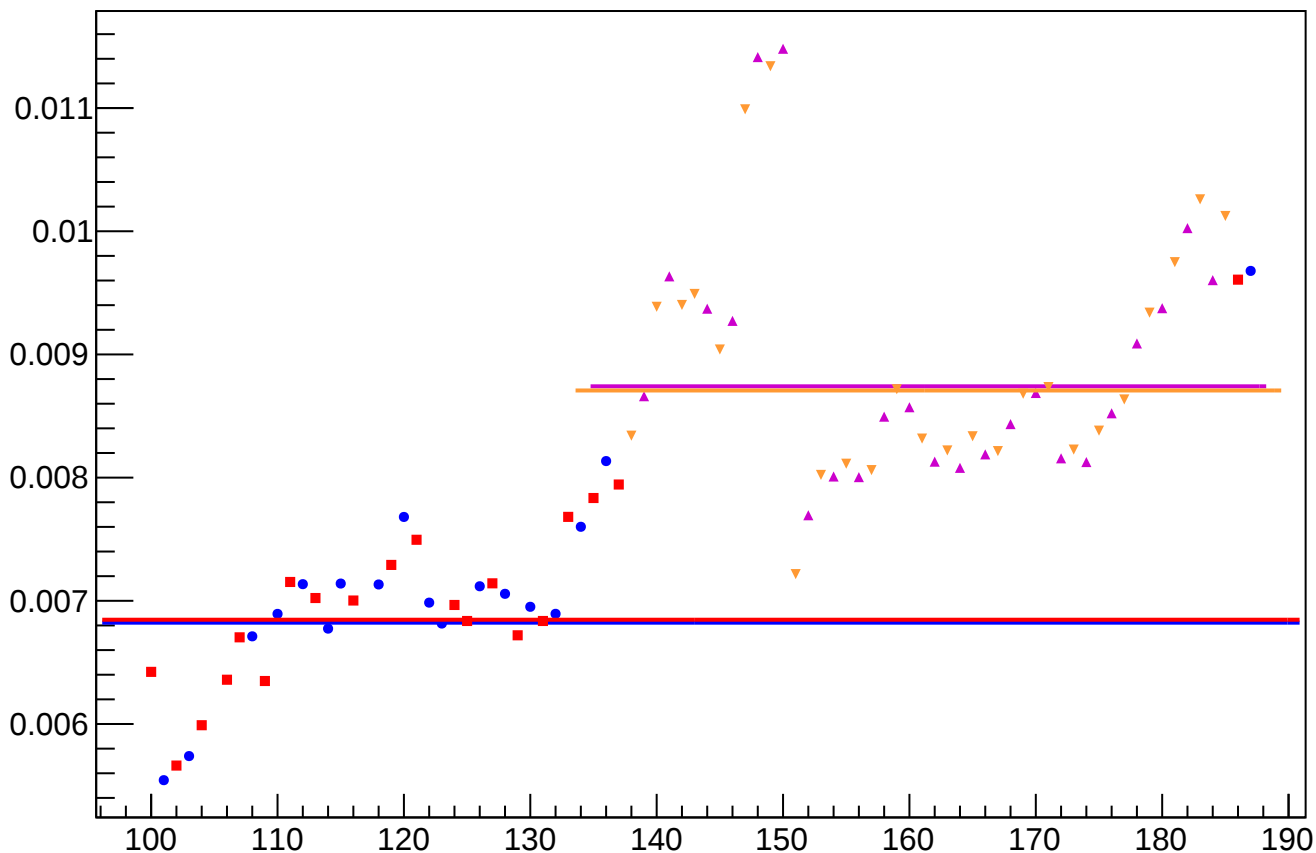
Right: -2.301 ± 0.000 $\chi^2/\text{NDF}: 142465151532.9/37$

In: -2.491 ± 0.000 $\chi^2/\text{NDF}: 165336091271.9/40$

Out: -2.469 ± 0.000 $\chi^2/\text{NDF}: 173346031303.5/44$

All: -2.480 ± 0.000 $\chi^2/\text{NDF}: 338774258083.6$

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 192232.4/17

Left Out: 0.009+/-0.000 χ^2/NDF : 369376.5/24

Right Out: 0.007+/-0.000 χ^2/NDF : 187620.2/19

Left In: 0.009+/-0.000 χ^2/NDF : 353750.0/22

Left: 0.009+/-0.000 χ^2/NDF : 723390.7/47

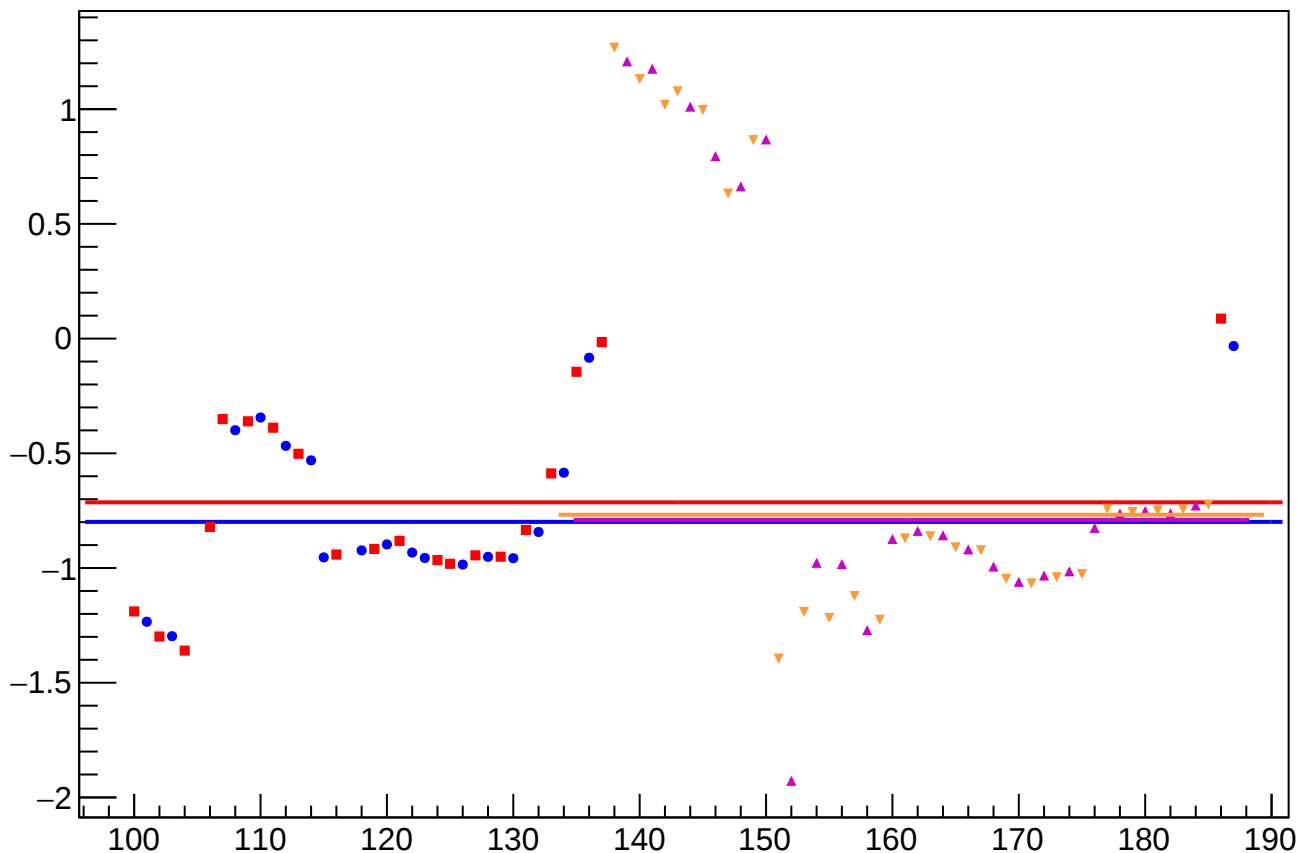
Right: 0.007+/-0.000 χ^2/NDF : 379938.8/37

In: 0.008+/-0.000 χ^2/NDF : 1194418.3/40

Out: 0.008+/-0.000 χ^2/NDF : 1215134.4/44

All: 0.008+/-0.000 χ^2/NDF : 2409680.8/85

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.799+/-0.000

χ^2/NDF : 8129630903.5/17

Left: -0.779+/-0.000

χ^2/NDF : 244297726249.8/47

Left Out: -0.768+/-0.000

χ^2/NDF : 120774855982.9/24

Right: -0.754+/-0.000

χ^2/NDF : 20446937437.0/37

Right Out: -0.714+/-0.000

χ^2/NDF : 12092540082.8/19

In: -0.792+/-0.000

χ^2/NDF : 131585623762.0/40

Out: -0.758+/-0.000

χ^2/NDF : 133023476119.4/44

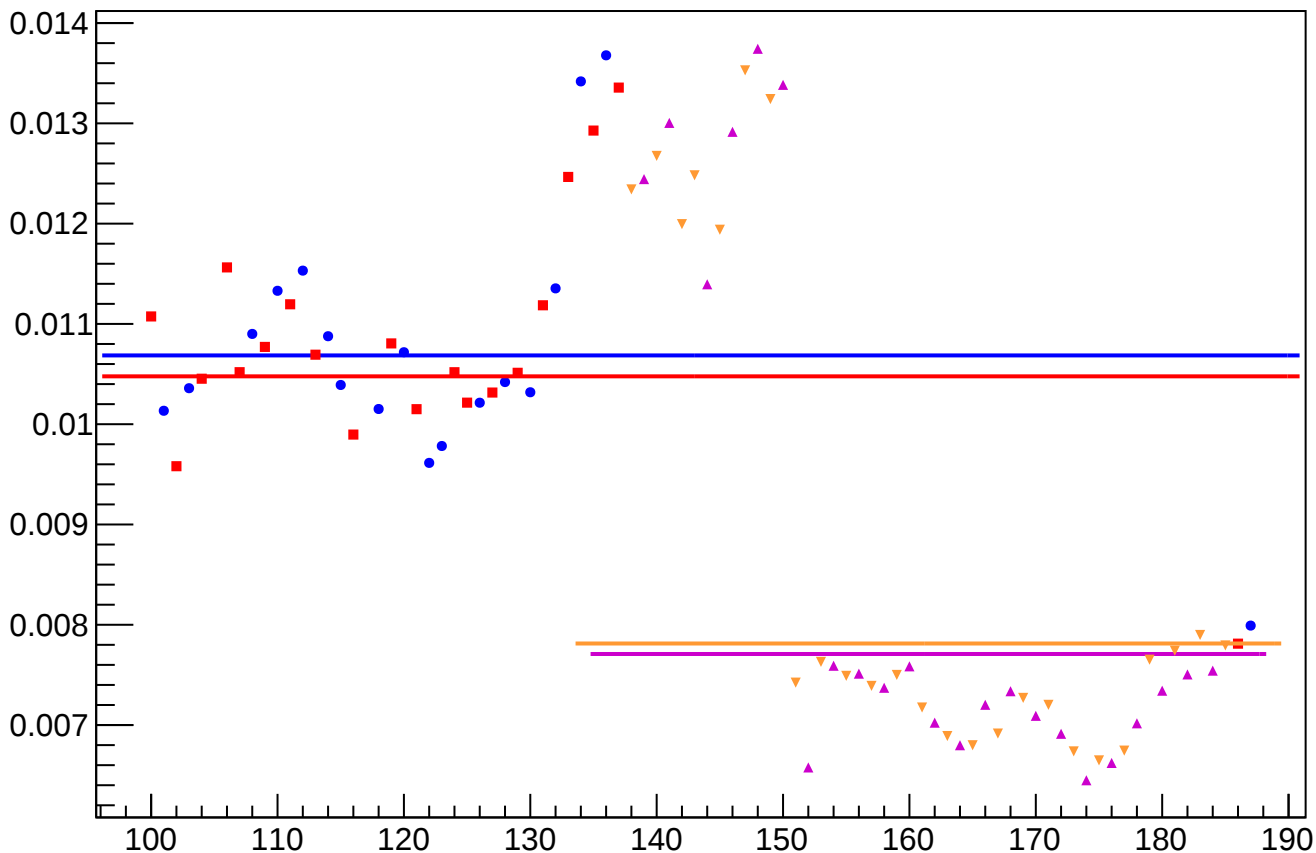
Left In: -0.790+/-0.000

χ^2/NDF : 123452478408.2/22

All: -0.774+/-0.000

χ^2/NDF : 264808219827.6/100

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 160523.5/17

Left Out: 0.008+/-0.000 χ^2/NDF : 1705997.6/24

Right Out: 0.010+/-0.000 χ^2/NDF : 184381.6/19

Left In: 0.008+/-0.000 χ^2/NDF : 1746653.6/22

Left: 0.008+/-0.000 χ^2/NDF : 3455681.9/47

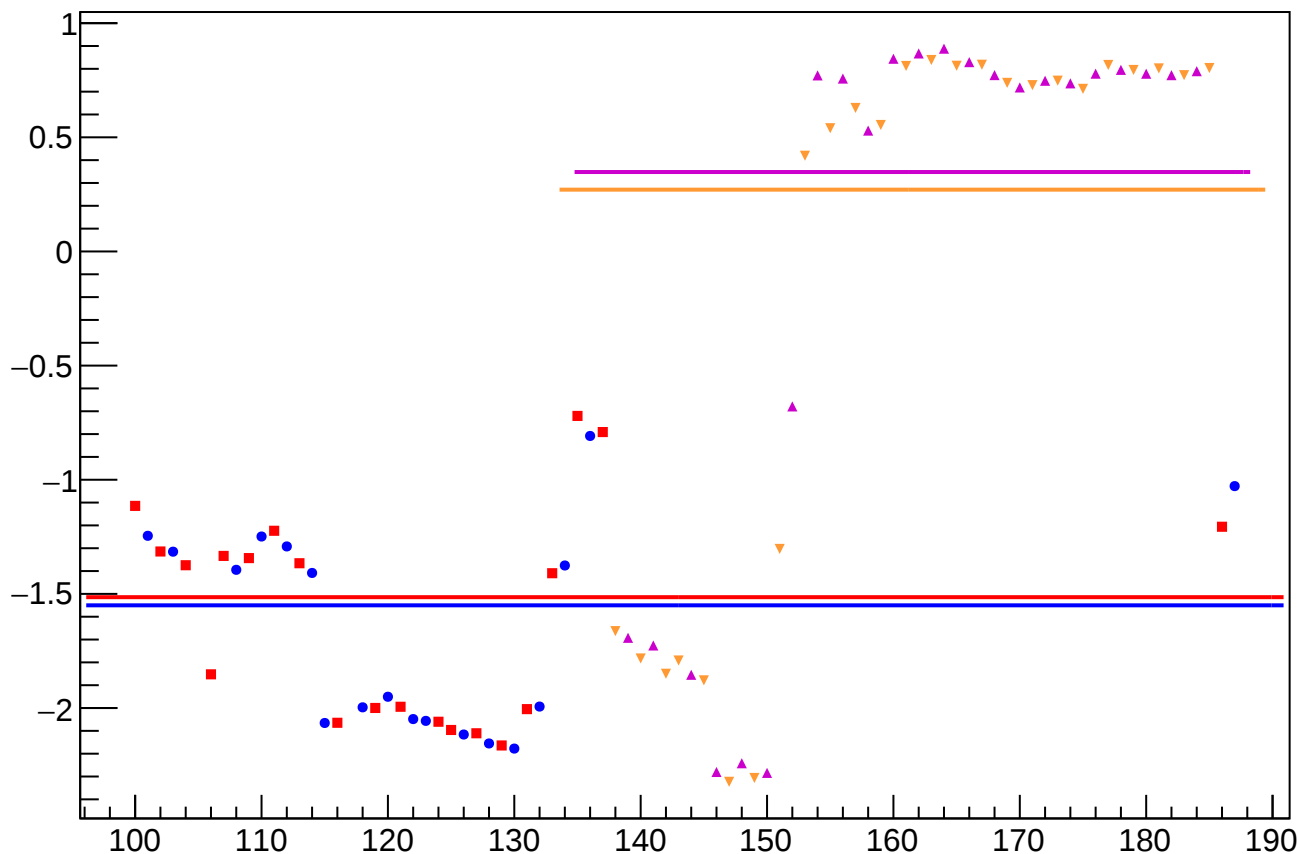
Right: 0.011+/-0.000 χ^2/NDF : 347596.0/37

In: 0.008+/-0.000 χ^2/NDF : 2760936.0/40

Out: 0.008+/-0.000 χ^2/NDF : 2645264.5/44

All: 0.008+/-0.000 χ^2/NDF : 5408401.6/85

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.550 ± 0.000 $\chi^2/\text{NDF}: 155391976275.9/17$

Left Out: 0.271 ± 0.000 $\chi^2/\text{NDF}: 2583233987355.9/24$

Right Out: -1.514 ± 0.000 $\chi^2/\text{NDF}: 139525609632.0/19$

Left In: 0.348 ± 0.000 $\chi^2/\text{NDF}: 2274004426513.8/22$

Left: 0.308 ± 0.000 $\chi^2/\text{NDF}: 4864843200778.2/47$

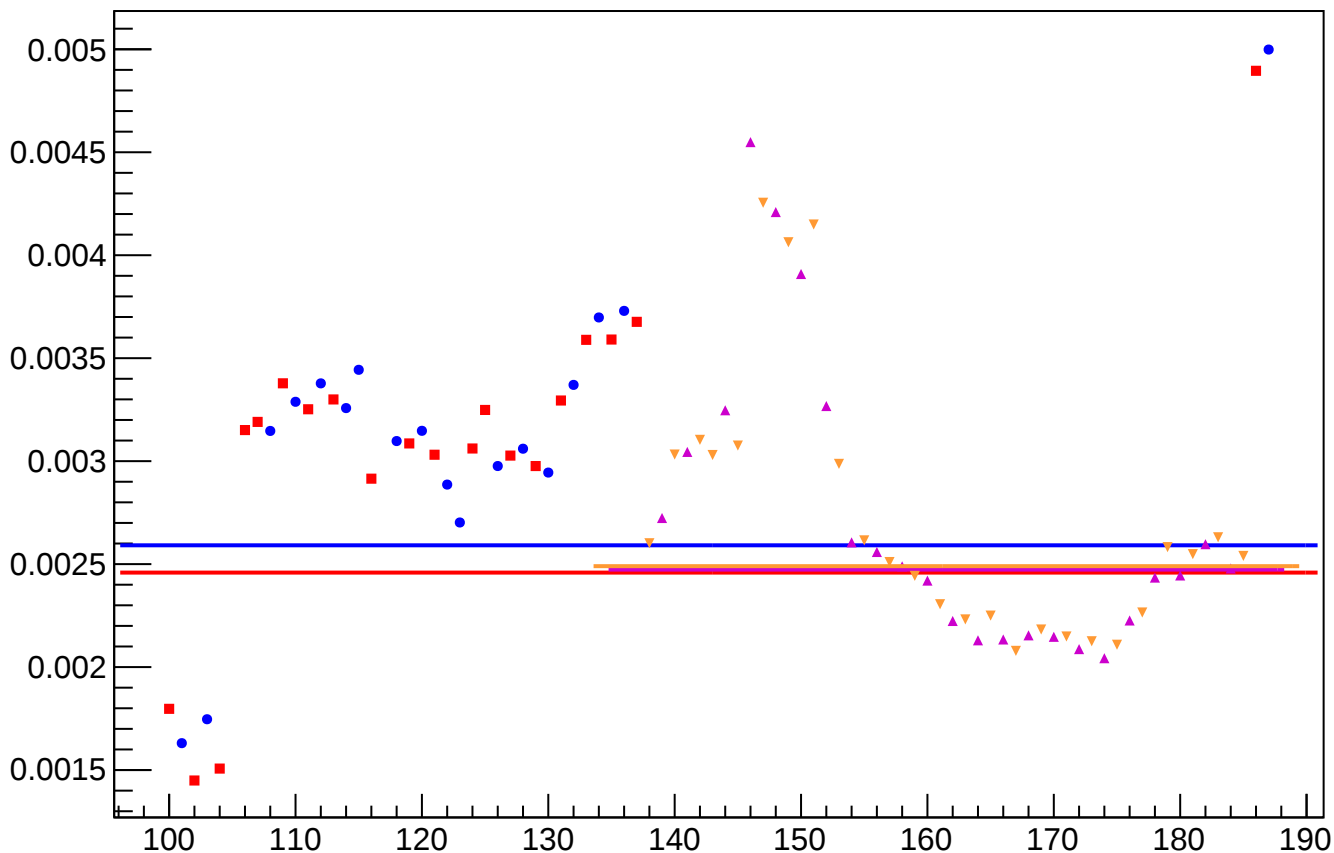
Right: -1.531 ± 0.000 $\chi^2/\text{NDF}: 295500078394.8/37$

In: -0.139 ± 0.000 $\chi^2/\text{NDF}: 4722202675577.8/40$

Out: -0.215 ± 0.000 $\chi^2/\text{NDF}: 4995777823259.5/44$

All: -0.178 ± 0.000 $\chi^2/\text{NDF}: 9728052470098$

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000

χ^2/NDF : 1083283.0/17

Left Out: 0.002+/-0.000

χ^2/NDF : 1070282.7/24

Right Out: 0.002+/-0.000

χ^2/NDF : 1667487.9/19

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 : 2766812.4/37

In: 0.003+/-0.000

χ^2/NDF : 2236269.1/40

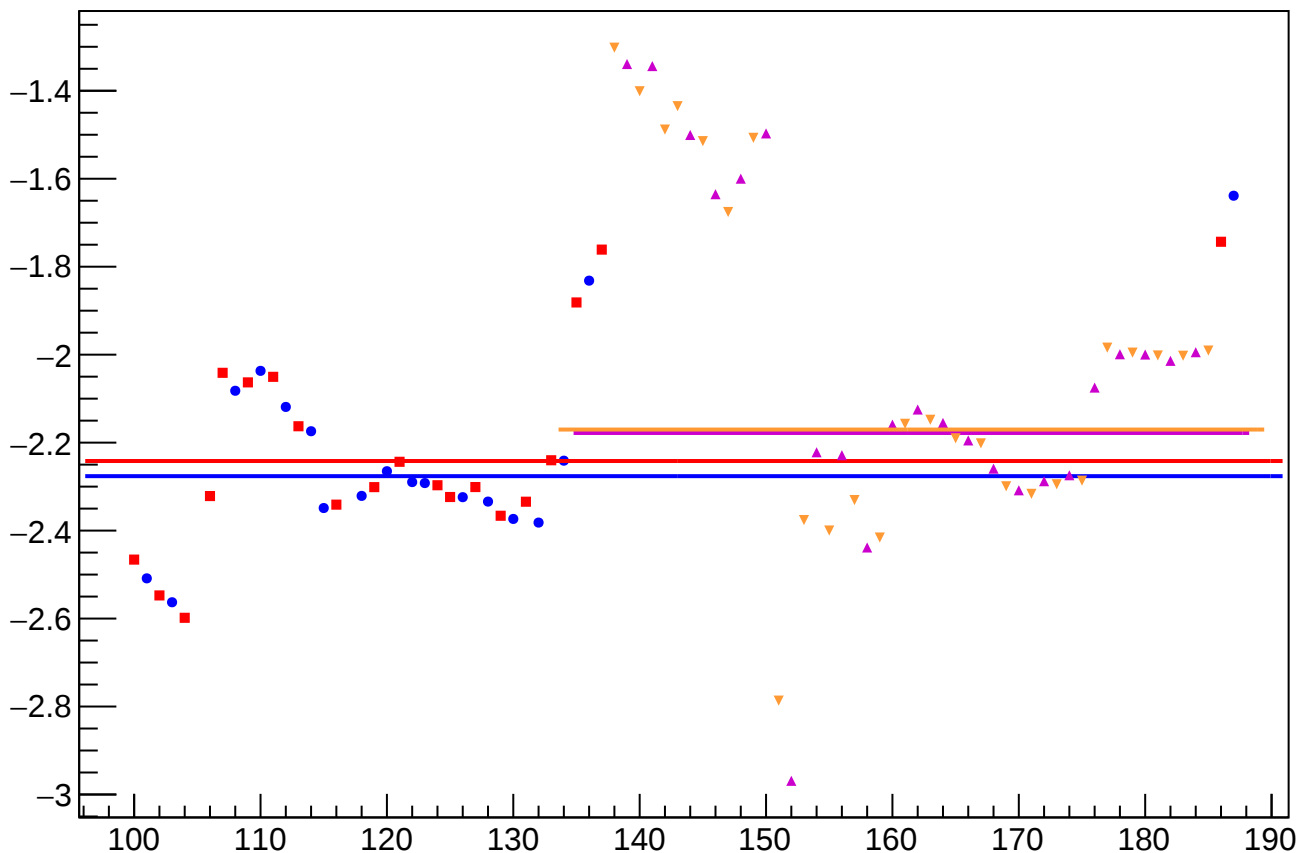
Out: 0.002+/-0.000

χ^2/NDF : 2739157.5/44

All: 0.002+/-0.000

χ^2/NDF : 4977118.9/85

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -2.276+/-0.000 χ^2/NDF : 7783702740.0/17

Left Out: -2.170+/-0.000 χ^2/NDF : 59967315241.9/24

Right Out: -2.242+/-0.000 χ^2/NDF : 10141724054.3/19

Left In: -2.178+/-0.000 χ^2/NDF : 73402051113.3/22

Left: -2.174+/-0.000 χ^2/NDF : 133392029481.5/47

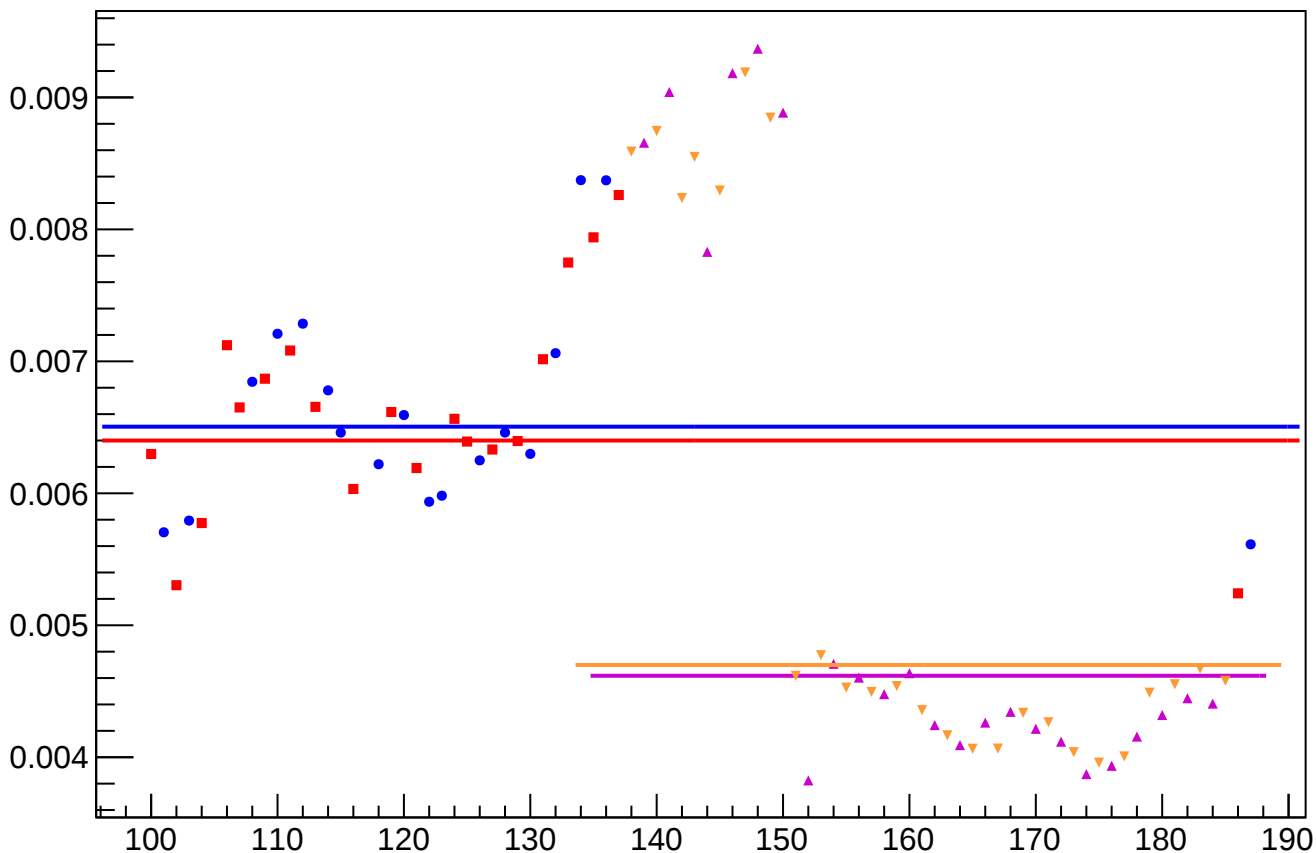
Right: -2.258+/-0.000 χ^2/NDF : 18022781212.7/37

In: -2.195+/-0.000 χ^2/NDF : 82423331406.9/40

Out: -2.184+/-0.000 χ^2/NDF : 70831377963.6/44

All: -2.189+/-0.000 χ^2/NDF : 153316325044.0

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 183418.1/17

Left Out: 0.005+/-0.000 χ^2/NDF :2319588.7/24

Right Out: 0.006+/-0.000 χ^2/NDF : 201980.9/19

Left In: 0.005+/-0.000 χ^2/NDF :2367440.9/22

Left: 0.005+/-0.000 χ^2/NDF : 4691984.4/47

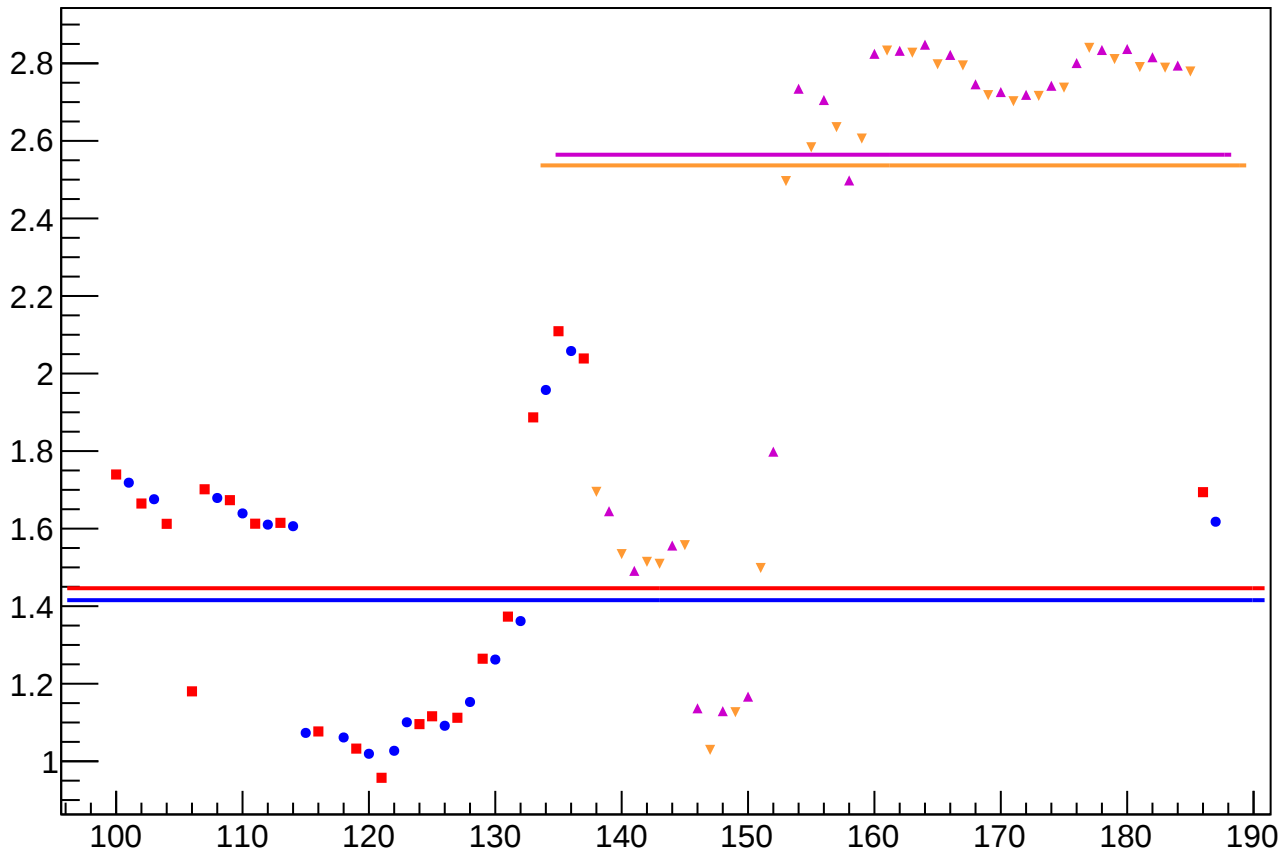
Right: 0.006+/-0.000 χ^2/NDF : 387209.0/37

In: 0.005+/-0.000 χ^2/NDF :3465763.0/40

Out: 0.005+/-0.000 χ^2/NDF :3338036.2/44

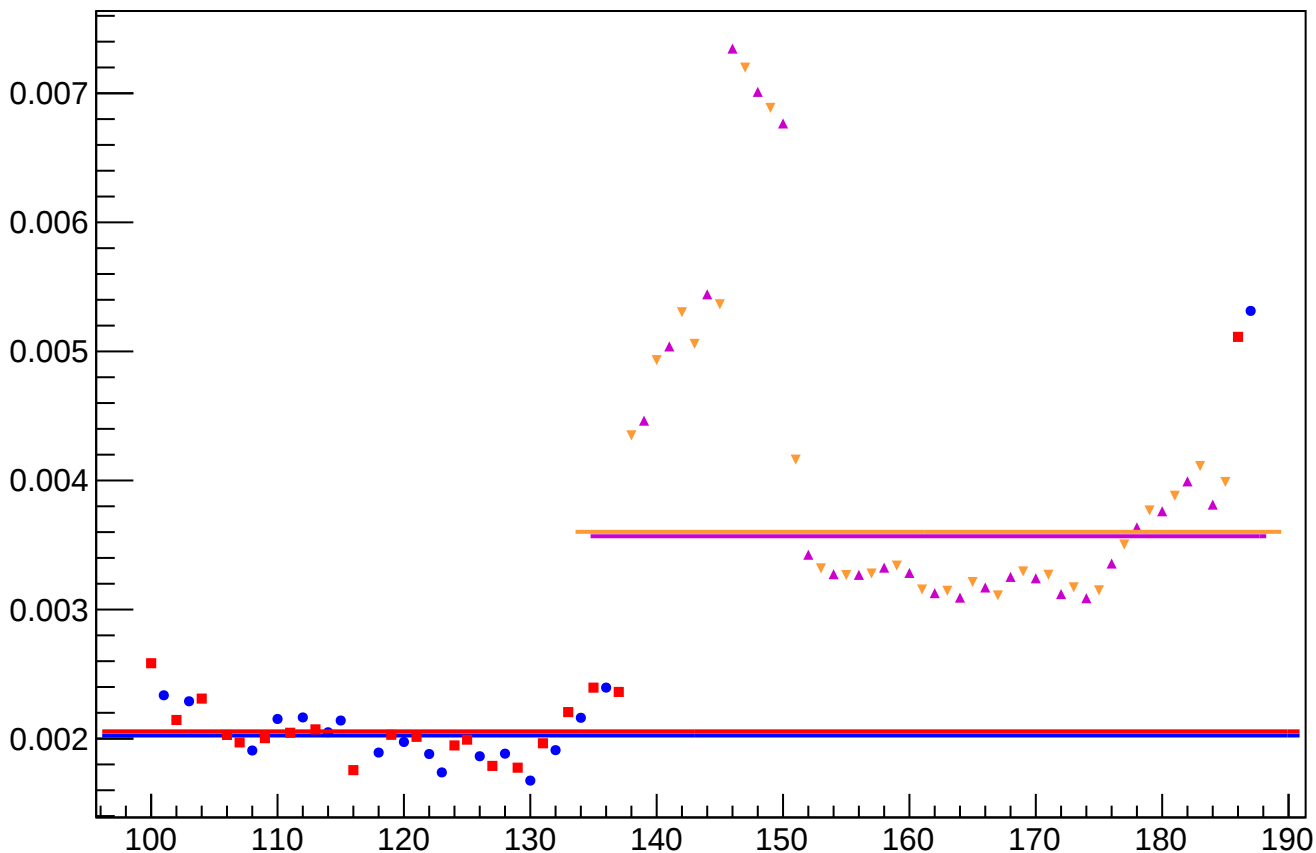
All: 0.005+/-0.000 χ^2/NDF : 6808069.8/85

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Left: 2.550 +/- 0.000 χ^2 /NDF: 530319507083.6/47
 Right: 1.431 +/- 0.000 χ^2 /NDF: 346454119570.0/37
 In: 1.928 +/- 0.000 χ^2 /NDF: 1328628148912.8/40
 Out: 1.935 +/- 0.000 χ^2 /NDF: 1288757026252.4/44
 All: 1.931 +/- 0.000 χ^2 /NDF: 2617453666143.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 264957.5/17

Left Out: 0.004+/-0.000 χ^2/NDF :1410717.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 375619.9/19

Left In: 0.004+/-0.000 χ^2/NDF :1563028.0/22

Left: 0.004+/-0.000 χ^2/NDF : 2975225.3/47

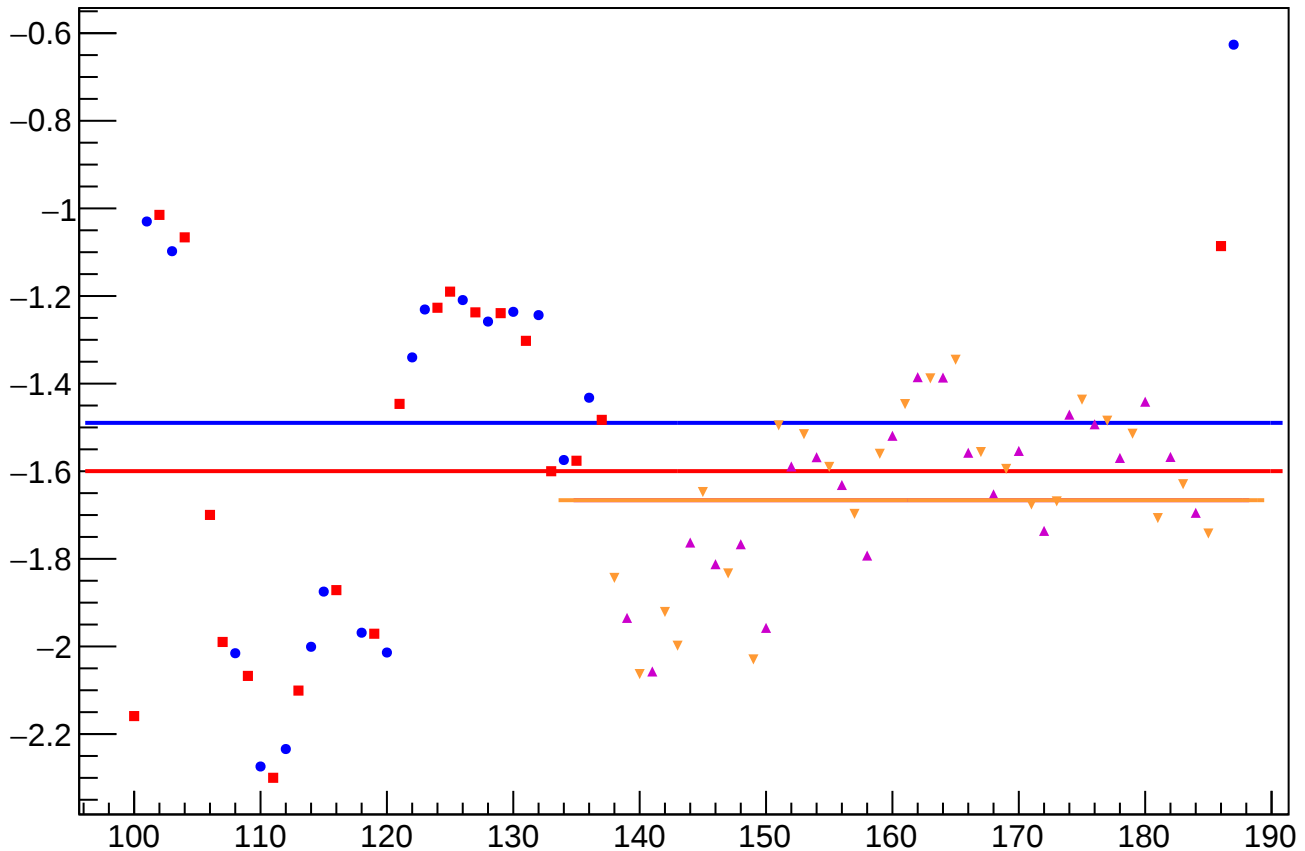
Right: 0.002+/-0.000 χ^2/NDF : 642177.9/37

In: 0.003+/-0.000 χ^2/NDF :5064896.4/40

Out: 0.003+/-0.000 χ^2/NDF :5184390.9/44

All: 0.003+/-0.000 χ^2/NDF : 10252974.3/85

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.490+/-0.000 χ^2/NDF : 23311263811.8/17

Left Out: -1.666+/-0.000 χ^2/NDF : 18325162131.2/24

Right Out: -1.600+/-0.000 χ^2/NDF : 28503601597.9/19

Left In: -1.666+/-0.000 χ^2/NDF : 14292570816.9/22

Left: -1.666+/-0.000 χ^2/NDF : 32617732948.1/47

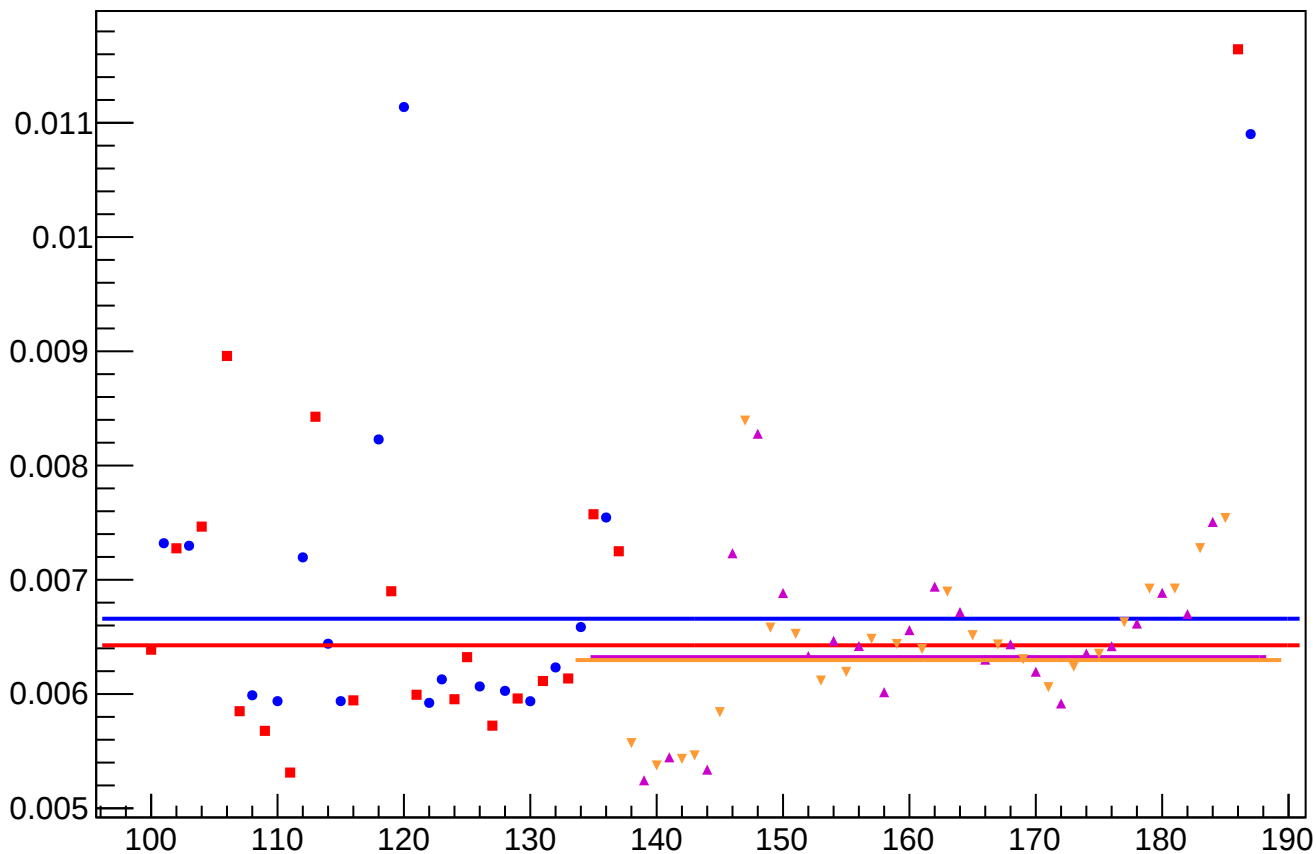
Right: -1.549+/-0.000 χ^2/NDF : 52734246783.7/37

In: -1.621+/-0.000 χ^2/NDF : 40845378599.3/40

Out: -1.648+/-0.000 χ^2/NDF : 47359264765.1/44

All: -1.635+/-0.000 χ^2/NDF : 88409386728.1/100

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 271832.8/17

Left Out: 0.006+/-0.000 χ^2/NDF : 310757.0/24

Right Out: 0.006+/-0.000 χ^2/NDF : 368614.7/19

Left In: 0.006+/-0.000 χ^2/NDF : 330859.7/22

Left: 0.006+/-0.000 χ^2/NDF : 641901.9/47

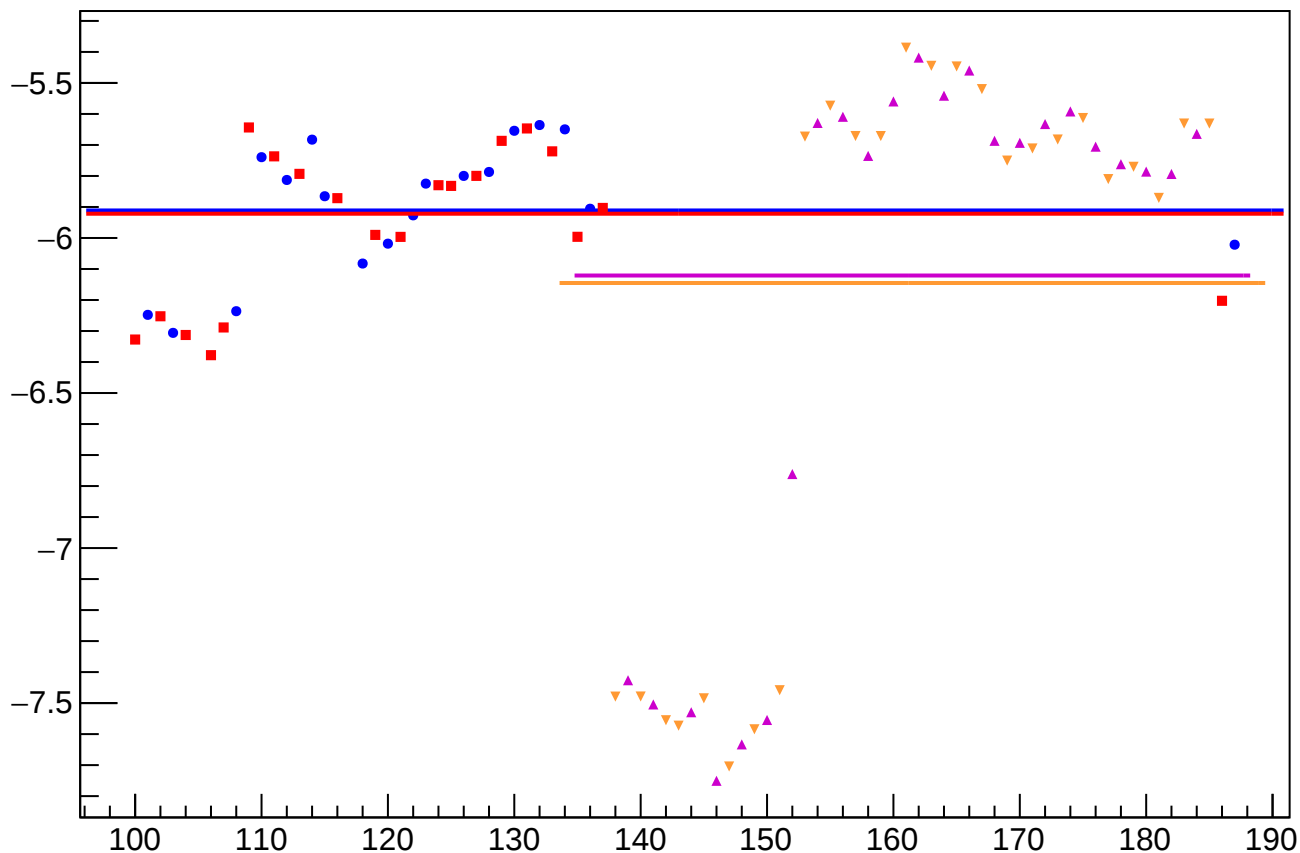
Right: 0.007+/-0.000 χ^2/NDF : 648649.8/37

In: 0.006+/-0.000 χ^2/NDF : 626186.7/40

Out: 0.006+/-0.000 χ^2/NDF : 683398.6/44

All: 0.006+/-0.000 χ^2/NDF : 1312901.5/85

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.911+/-0.000 χ^2/NDF : 11143511547.7/17

Left Out: -6.145+/-0.000 χ^2/NDF : 185364150237.7/24

Right Out: -5.922+/-0.000 χ^2/NDF : 12960370976.1/19

Left In: -6.121+/-0.000 χ^2/NDF : 158315913062.3/22

Left: -6.133+/-0.000 χ^2/NDF : 343753122832.9/47

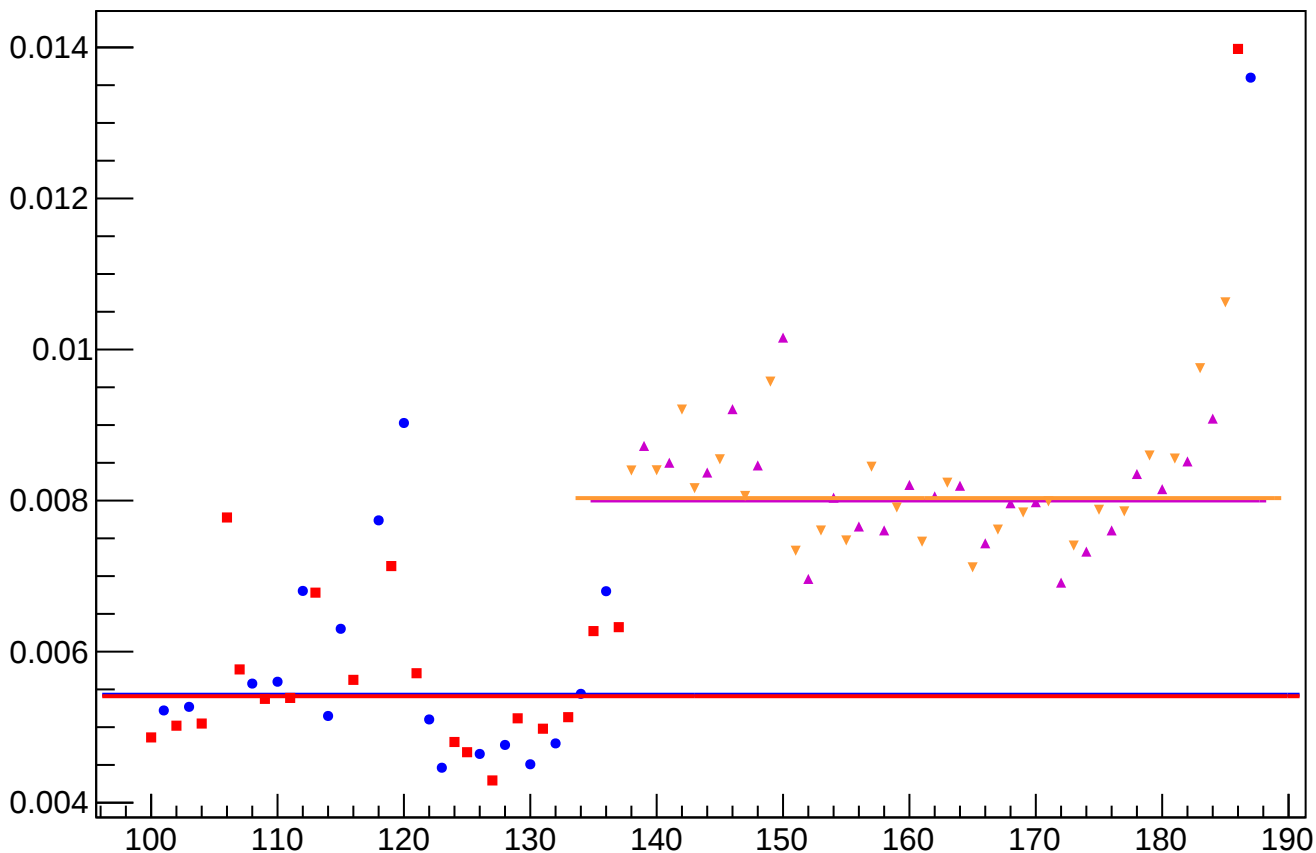
Right: -5.917+/-0.000 χ^2/NDF : 24115644791.0/37

In: -6.026+/-0.000 χ^2/NDF : 174356044526.6/40

Out: -6.041+/-0.000 χ^2/NDF : 204306191808.6/44

All: -6.034+/-0.000 χ^2/NDF : 378711645554.9

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 468052.6/17

Left Out: 0.008+/-0.000 χ^2/NDF :205762.2/24

Right Out: 0.005+/-0.000 χ^2/NDF : 518177.6/19

Left In: 0.008+/-0.000 χ^2/NDF :220756.1/22

Left: 0.008+/-0.000 χ^2/NDF : 426763.2/47

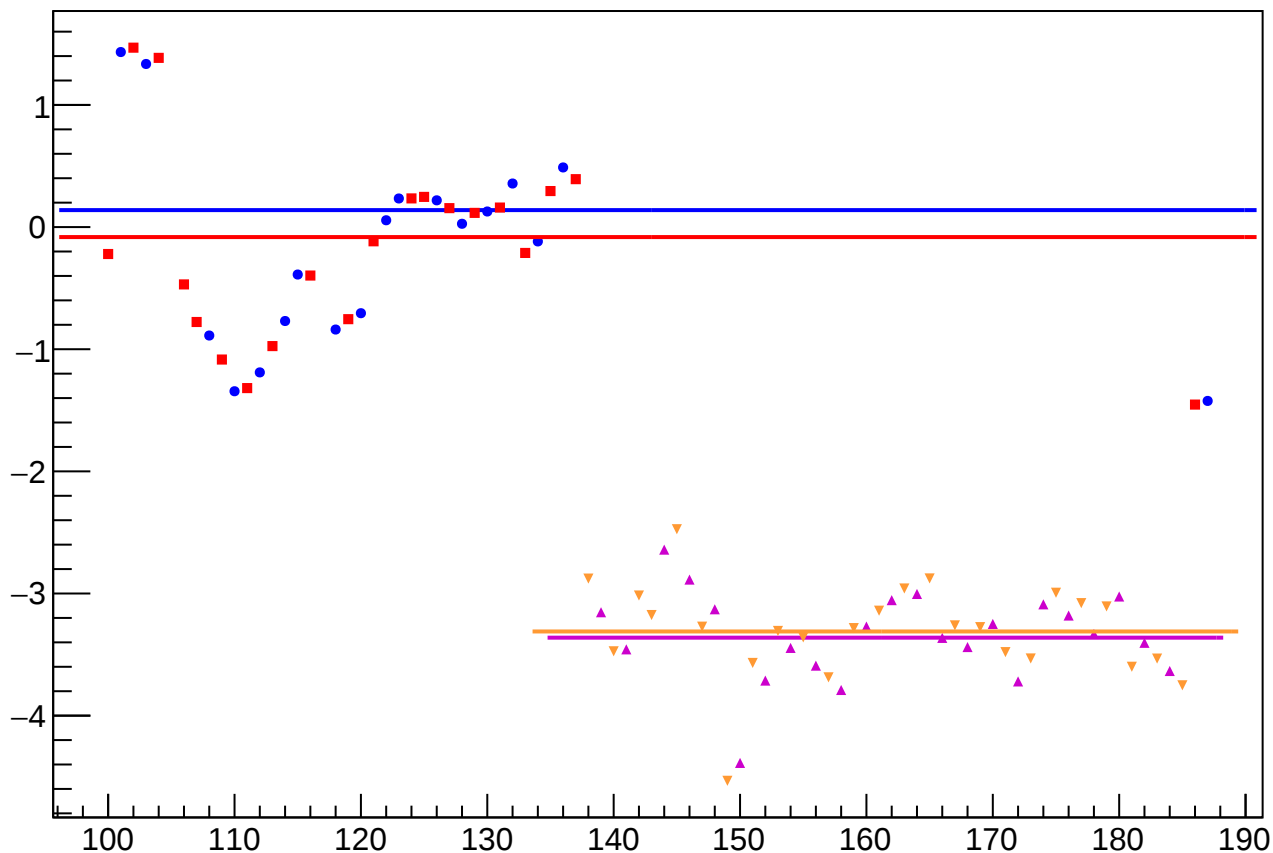
Right: 0.005+/-0.000 χ^2/NDF : 986313.5/37

In: 0.007+/-0.000 χ^2/NDF :2160527.8/40

Out: 0.007+/-0.000 χ^2/NDF :2373165.7/44

All: 0.007+/-0.000 χ^2/NDF : 4534155.9/85

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.139+/-0.000 χ^2/NDF : 17770432618.3/17

Left Out: -3.311+/-0.000 χ^2/NDF : 9354397456.2/24

Right Out: -0.082+/-0.000 χ^2/NDF : 22974726575.4/19

Left In: -3.362+/-0.000 χ^2/NDF : 8171803777.4/22

Left: -3.336+/-0.000 χ^2/NDF : 17613895190.9/47

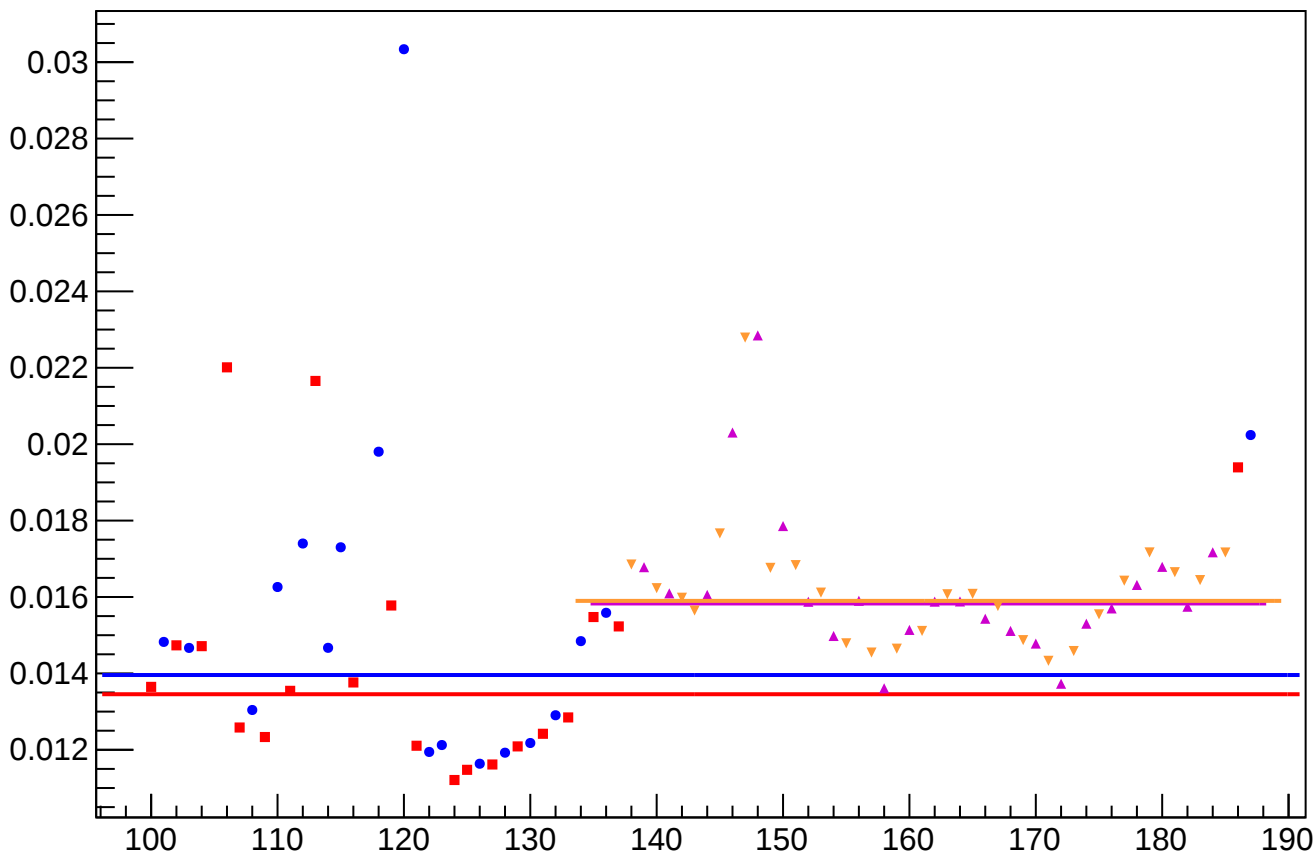
Right: 0.018+/-0.000 χ^2/NDF : 41568806226.5/37

In: -2.249+/-0.000 χ^2/NDF : 284136141650.3/40

Out: -2.188+/-0.000 χ^2/NDF : 285890388516.0/44

All: -2.217+/-0.000 χ^2/NDF : 570212859142.1

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 427217.1/17

Left Out: 0.016 $\pm$ 0.000 χ^2 /NDF:251912.7/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 360027.1/19

Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:339542.1/22

Left: 0.016 $\pm$ 0.000 χ^2 /NDF: 591766.7/47

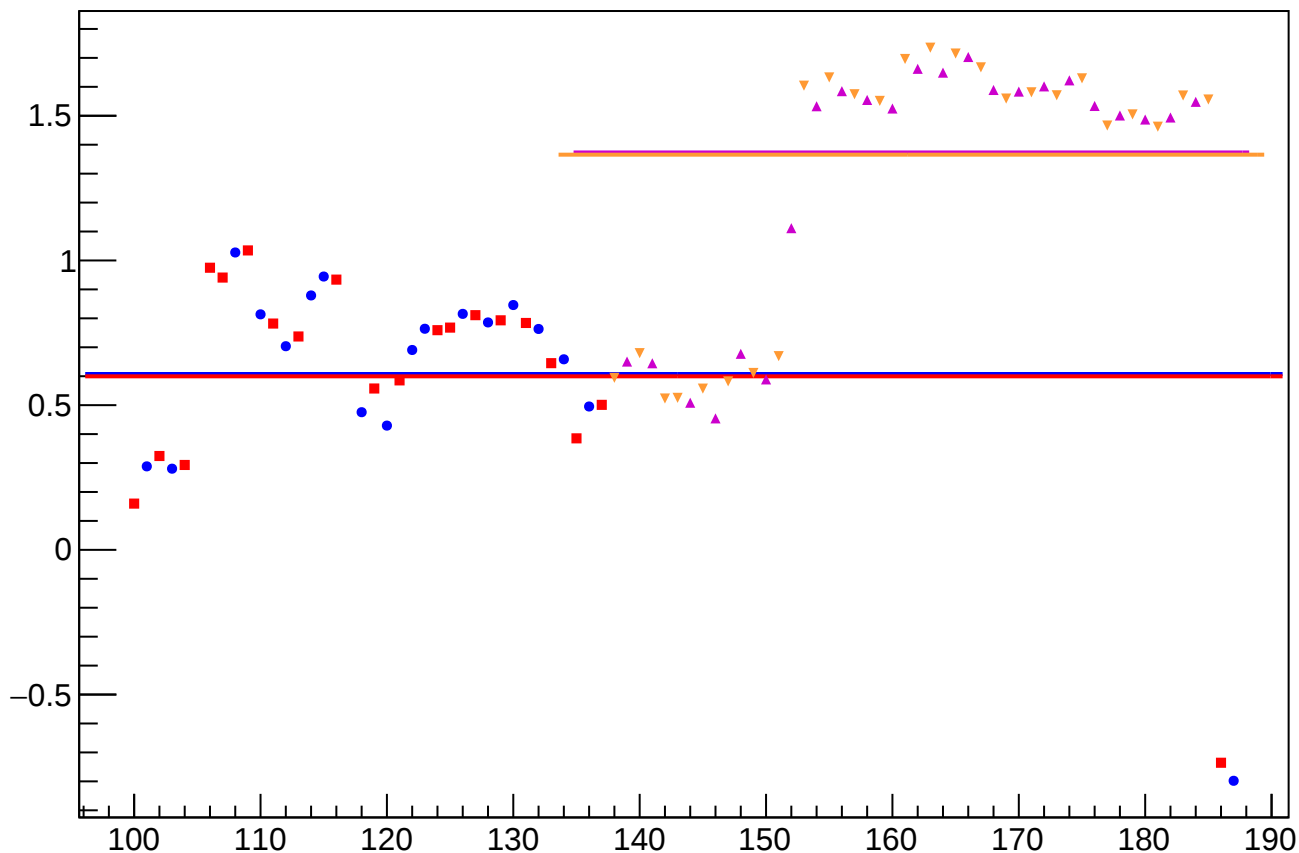
Right: 0.014 $\pm$ 0.000 χ^2 /NDF: 795792.2/37

In: 0.015 $\pm$ 0.000 χ^2 /NDF:914555.4/40

Out: 0.015 $\pm$ 0.000 χ^2 /NDF:902327.8/44

All: 0.015 $\pm$ 0.000 χ^2 /NDF: 1820426.5/85

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.608 $\pm$ 0.000

χ^2 /NDF: 6761523365.3/17

Left: 1.369 $\pm$ 0.000 χ^2 /NDF: 138167468300.7/47

Right: 0.603 $\pm$ 0.000 χ^2 /NDF: 17158718930.1/37

Left Out: 1.366 $\pm$ 0.000

χ^2 /NDF: 74741956067.9/24

In: 1.233 $\pm$ 0.000 χ^2 /NDF: 115994173786.0/40

Out: 1.207 $\pm$ 0.000 χ^2 /NDF: 136739304643.6/44

Right Out: 0.600 $\pm$ 0.000

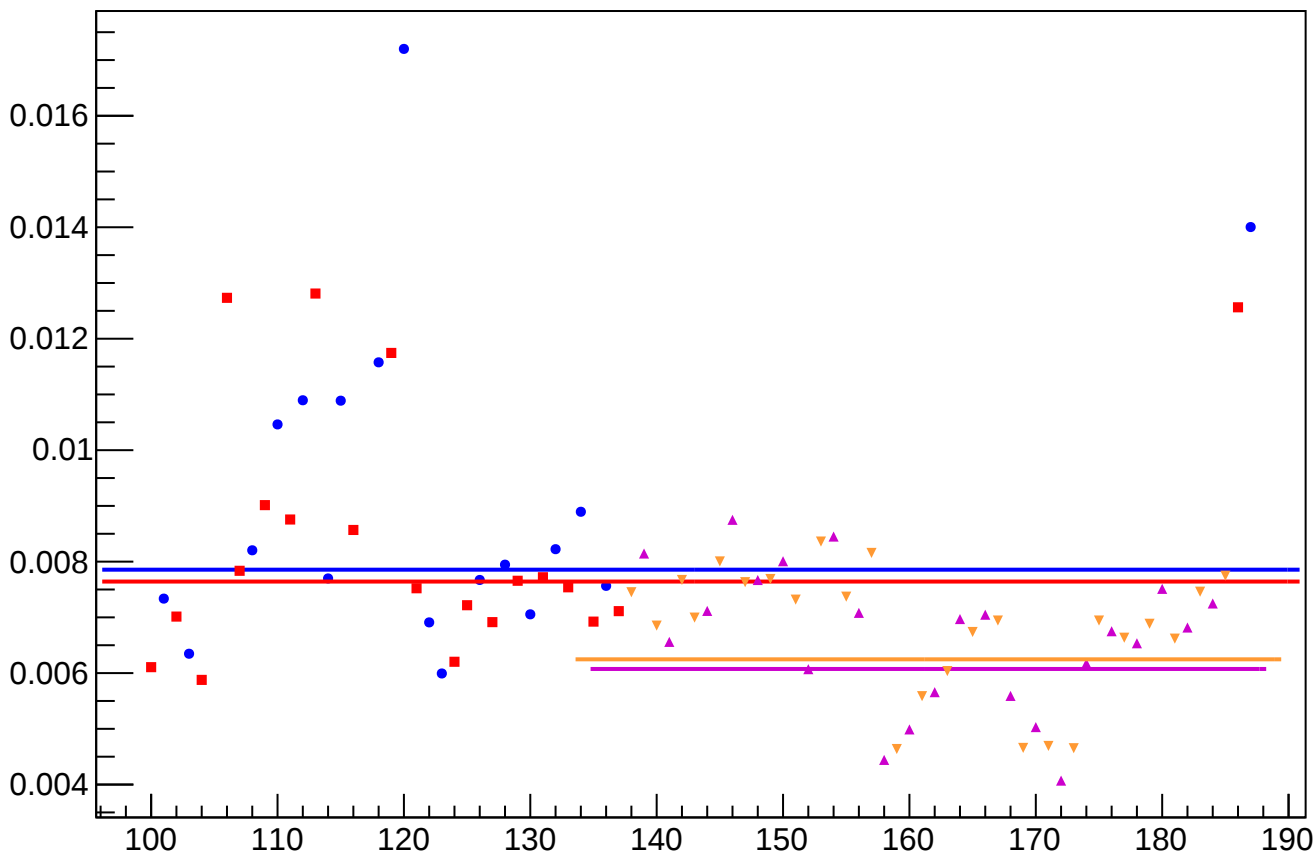
χ^2 /NDF: 10393878513.2/19

Left In: 1.373 $\pm$ 0.000

χ^2 /NDF: 63413151416.3/22

All: 1.220 $\pm$ 0.000 χ^2 /NDF: 252908785547.5

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 519241.4/17

Left Out: 0.006+/-0.000 χ^2/NDF :1330867.5/24

Right Out: 0.008+/-0.000 χ^2/NDF : 551712.9/19

Left In: 0.006+/-0.000 χ^2/NDF :1431986.5/22

Left: 0.006+/-0.000 χ^2/NDF : 2775615.7/47

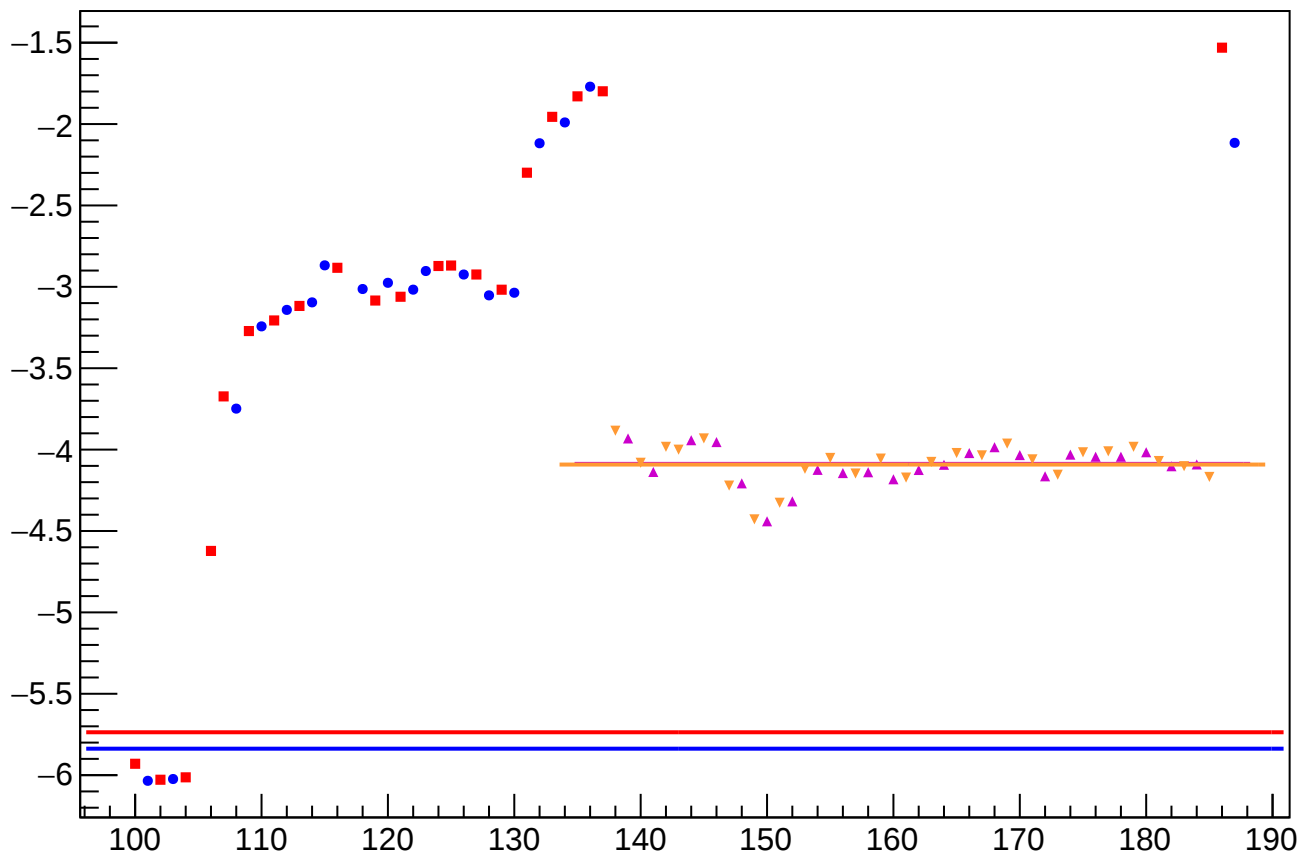
Right: 0.008+/-0.000 χ^2/NDF : 1075616.4/37

In: 0.006+/-0.000 χ^2/NDF :2447491.6/40

Out: 0.007+/-0.000 χ^2/NDF :2225143.6/44

All: 0.006+/-0.000 χ^2/NDF : 4682317.2/85

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.837 $\pm$ 0.000 χ^2/NDF : 33064531592.3/17

Left Out: -4.092 $\pm$ 0.000 χ^2/NDF : 39806766.7/24

Right Out: -5.737 $\pm$ 0.000 χ^2/NDF : 44050217811.6/19

Left In: -4.088 $\pm$ 0.000 χ^2/NDF : 34412880.7/22

Left: -4.089 $\pm$ 0.000 χ^2/NDF : 74248792.8/47

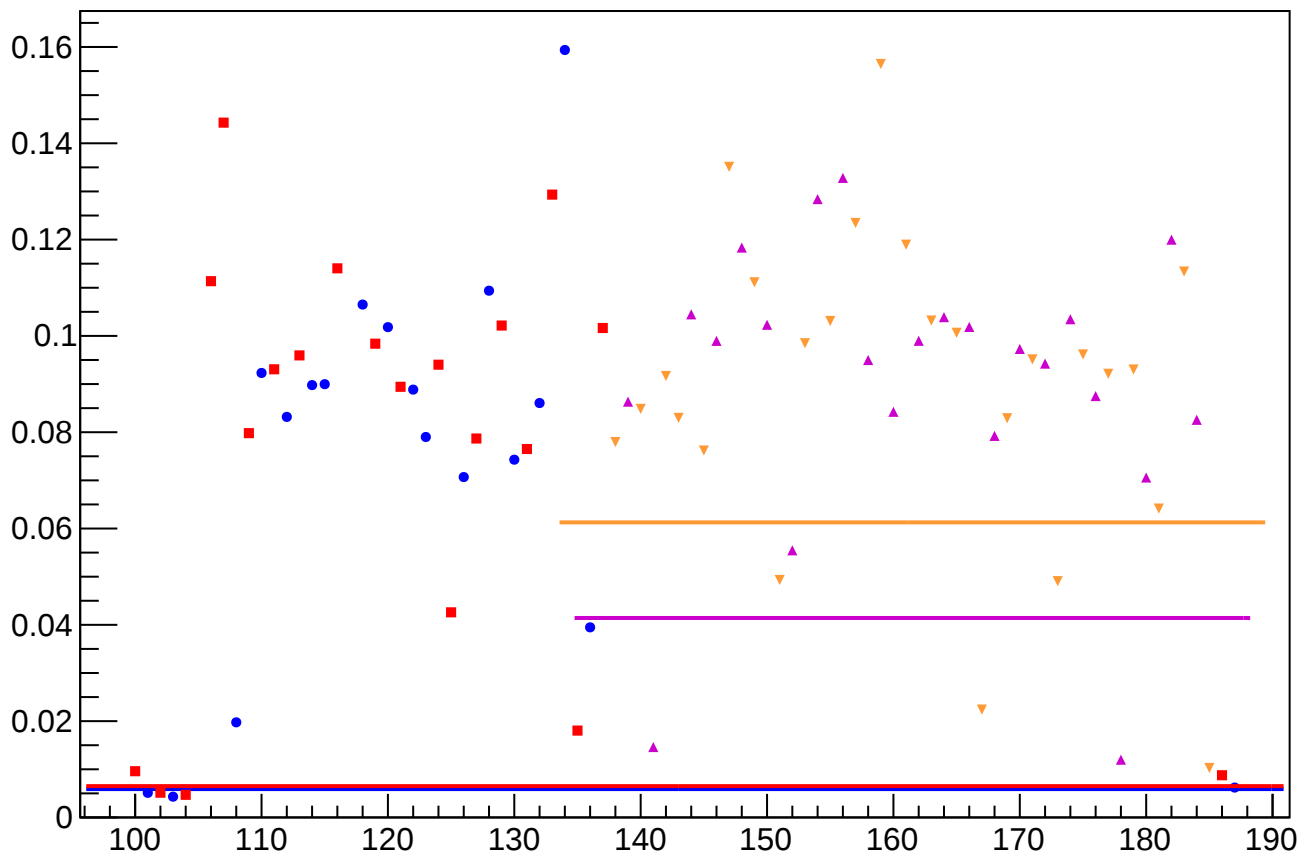
Right: -5.792 $\pm$ 0.000 χ^2/NDF : 77337704684.4/37

In: -5.697 $\pm$ 0.000 χ^2/NDF : 45105259558.3/40

Out: -5.623 $\pm$ 0.000 χ^2/NDF : 51525353623.8/44

All: -5.664 $\pm$ 0.000 χ^2/NDF : 96759859022.1/84

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 7912292.7/17

Left Out: 0.061+/-0.000 χ^2/NDF : 8355266.0/24

Right Out: 0.007+/-0.000 χ^2/NDF : 8479427.7/19

Left In: 0.041+/-0.000 χ^2/NDF : 13124468.7/22

Left: 0.050+/-0.000 χ^2/NDF : 22855159.2/47

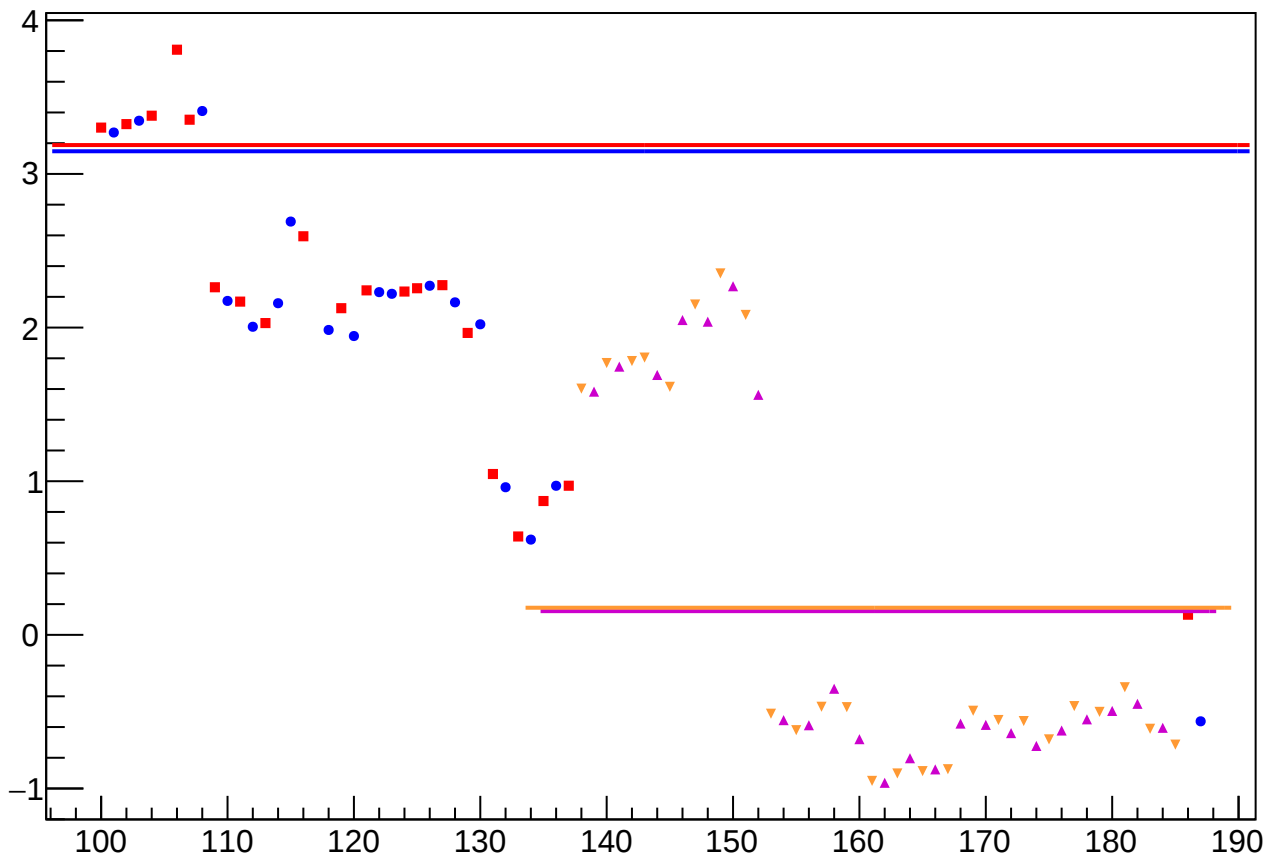
Right: 0.006+/-0.000 χ^2/NDF : 16408118.6/37

In: 0.009+/-0.000 χ^2/NDF : 30938877.3/40

Out: 0.010+/-0.000 χ^2/NDF : 33326689.6/44

All: 0.009+/-0.000 χ^2/NDF : 64377988.7/85

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.148+/-0.000 χ^2/NDF : 15248945241.6/17

Left Out: 0.177+/-0.000 χ^2/NDF : 3275313367.7/24

Right Out: 3.188+/-0.000 χ^2/NDF : 11805023519.0/19

Left In: 0.154+/-0.000 χ^2/NDF : 3163553595.0/22

Left: 0.165+/-0.000 χ^2/NDF : 6439465655.5/47

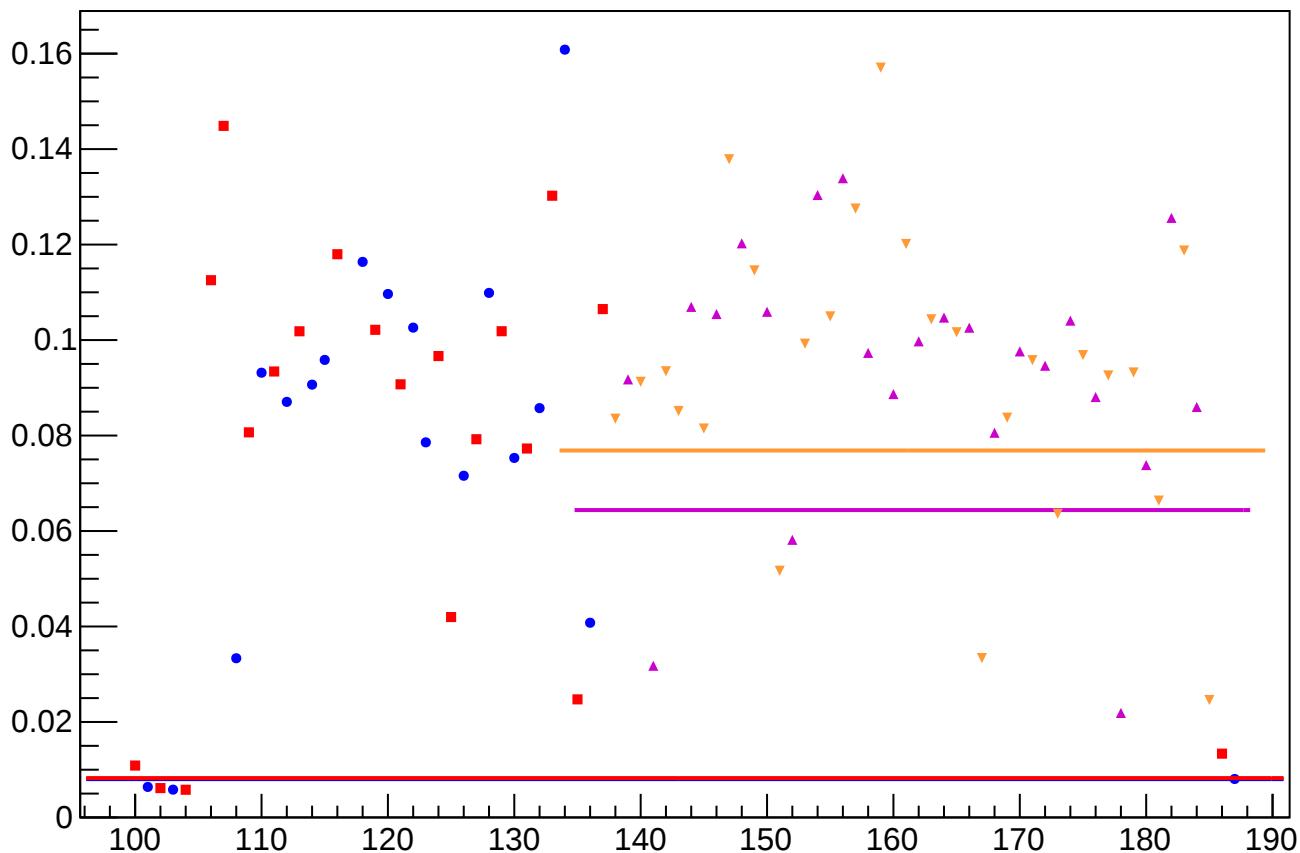
Right: 3.167+/-0.000 χ^2/NDF : 27077150274.9/37

In: 2.908+/-0.000 χ^2/NDF : 39671351417.4/40

Out: 2.957+/-0.000 χ^2/NDF : 34065367702.8/44

All: 2.932+/-0.000 χ^2/NDF : 73774692569.0/88

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7721104.7/17

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF: 4217954.3/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8322262.3/19

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

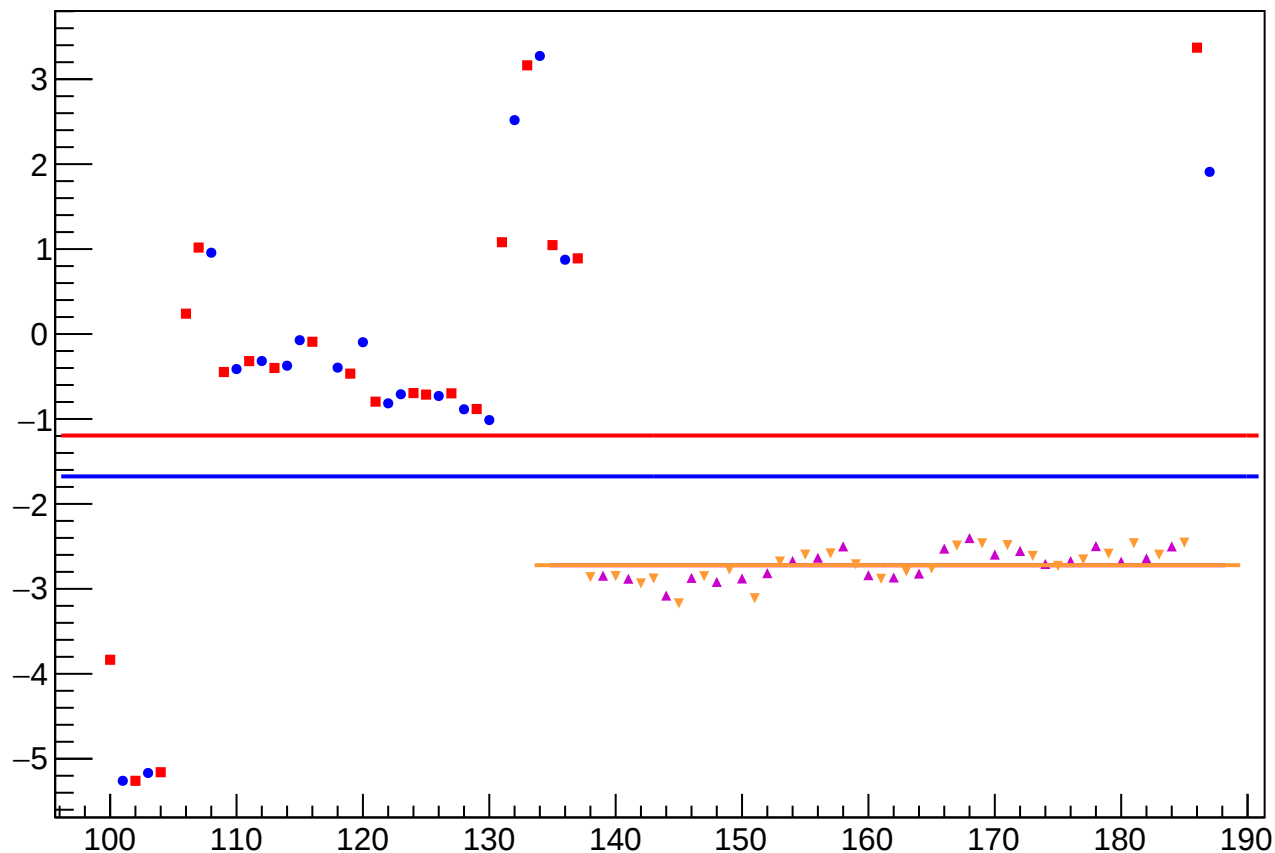
Right: 0.008 $\pm$ 0.000 χ^2 /NDF: 16044703.4/37

In: 0.013 $\pm$ 0.000 χ^2 /NDF: 29784659.7/40

Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 32258510.1/44

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 62071331.5/85

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.676+/-0.000 χ^2/NDF : 168644879539.0/17

Left Out: -2.721+/-0.000 χ^2/NDF : 10397156971.6/24

Right Out: -1.195+/-0.000 χ^2/NDF : 190764365949.6/19

Left In: -2.722+/-0.000 χ^2/NDF : 8146484592.1/22

Left: -2.722+/-0.000 χ^2/NDF : 18543711860.5/47

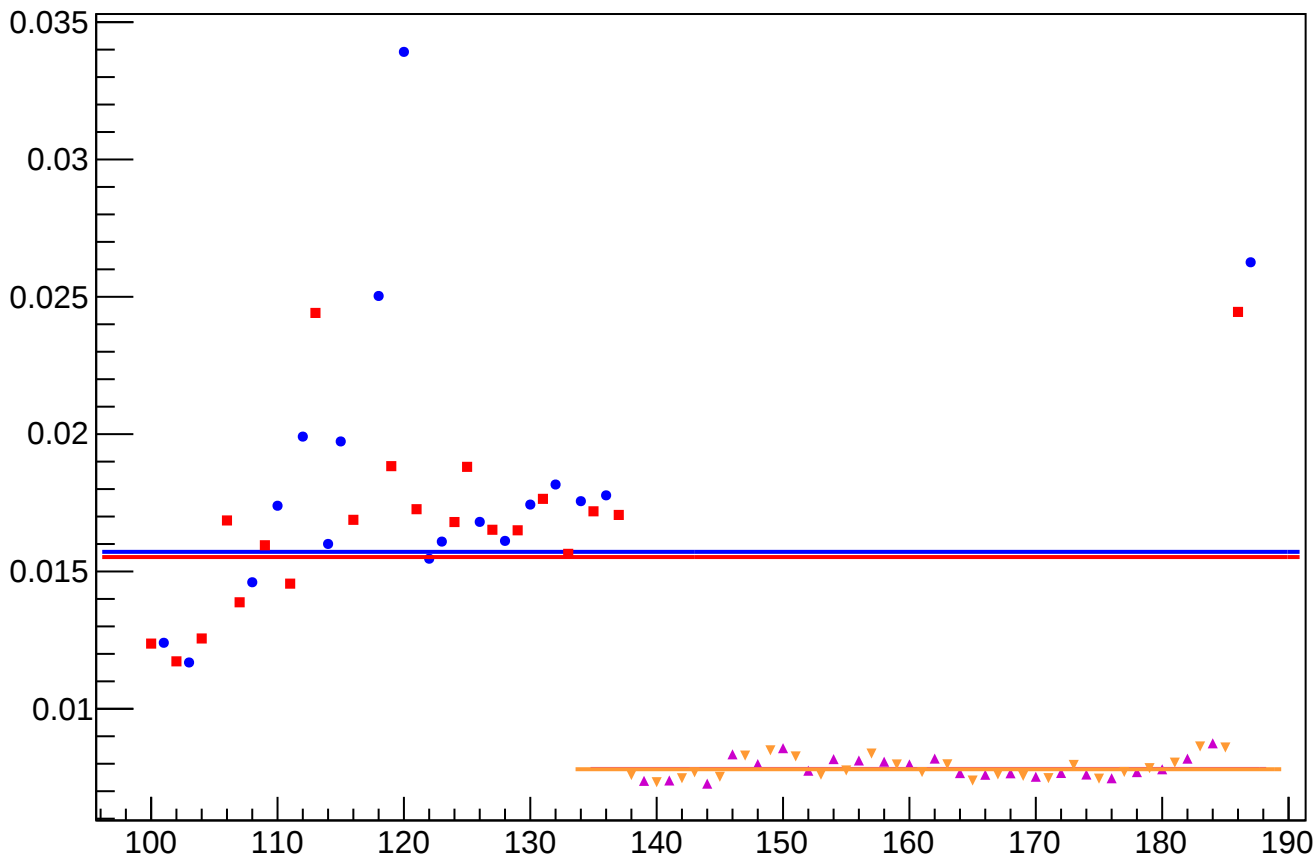
Right: -1.417+/-0.000 χ^2/NDF : 362288836689.2/37

In: -2.641+/-0.000 χ^2/NDF : 200073715912.5/40

Out: -2.592+/-0.000 χ^2/NDF : 258555751528.5/44

All: -2.615+/-0.000 χ^2/NDF : 458991927348.8

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF : 619359.1/17

Left Out: 0.008+/-0.000 χ^2/NDF : 71164.4/24

Right Out: 0.016+/-0.000 χ^2/NDF : 443528.5/19

Left In: 0.008+/-0.000 χ^2/NDF : 67610.2/22

Left: 0.008+/-0.000 χ^2/NDF : 138804.4/47

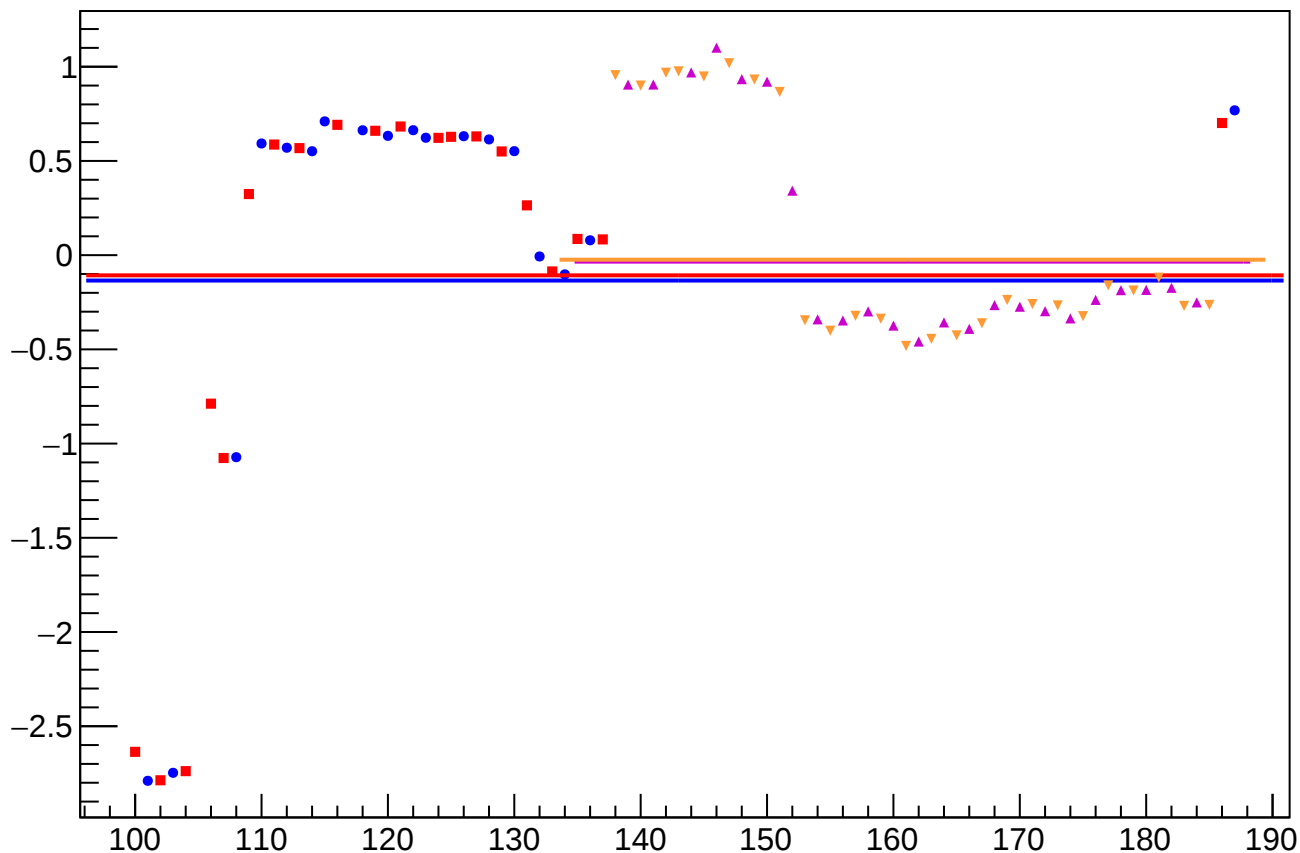
Right: 0.016+/-0.000 χ^2/NDF : 1063783.0/37

In: 0.008+/-0.000 χ^2/NDF : 3346935.2/40

Out: 0.008+/-0.000 χ^2/NDF : 3454063.7/44

All: 0.008+/-0.000 χ^2/NDF : 6801255.6/85

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -0.135+/-0.000

χ^2/NDF : 717133528831.5/17

Left: -0.029+/-0.000

χ^2/NDF : 249405201350.6/47

Left Out: -0.024+/-0.000

χ^2/NDF : 135451649275.0/24

Right: -0.120+/-0.000

χ^2/NDF : 1487366003651.3/3

Right Out: -0.107+/-0.000

χ^2/NDF : 770026930029.3/19

In: -0.087+/-0.000

χ^2/NDF : 833528368970.8/40

Out: -0.069+/-0.000

χ^2/NDF : 907284763402.4/44

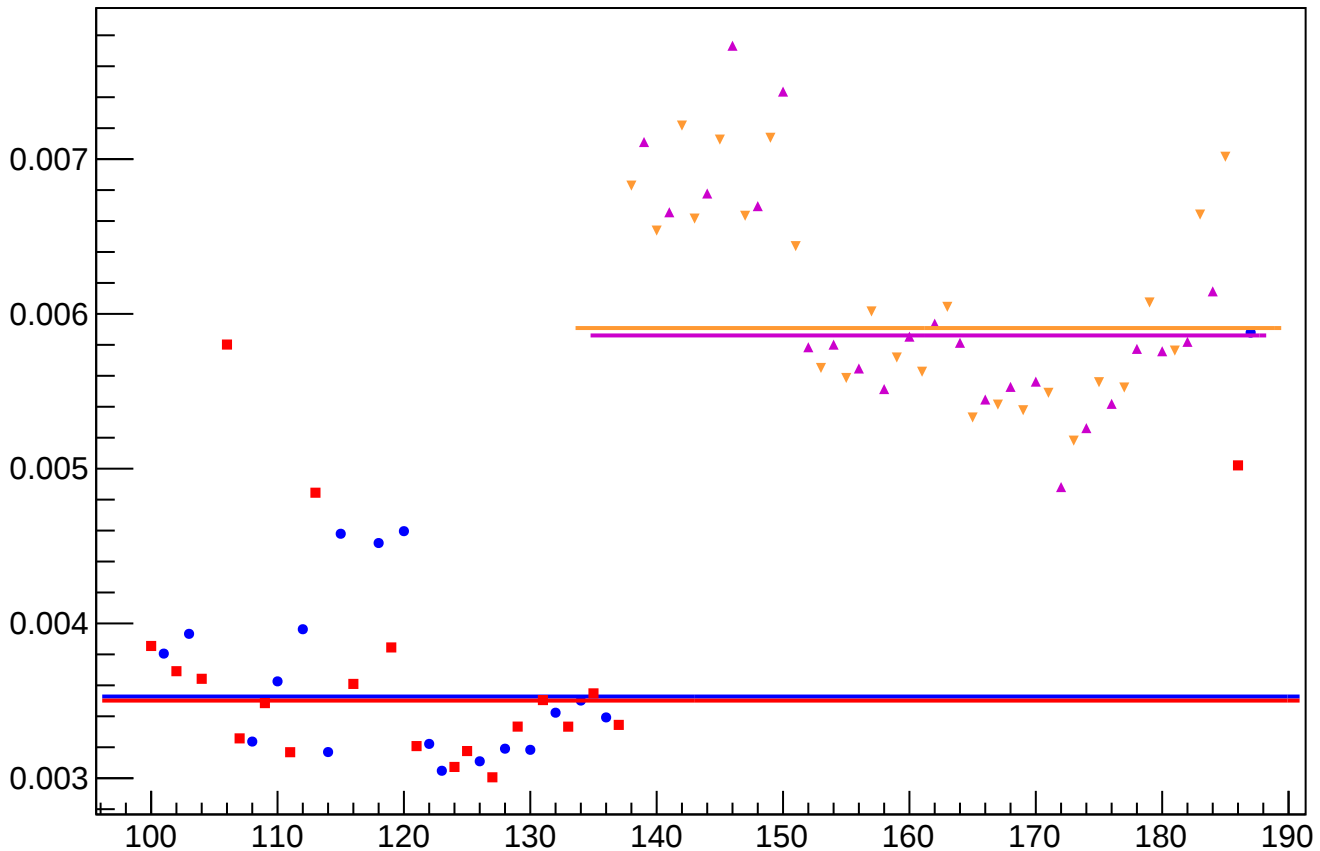
Left In: -0.034+/-0.000

χ^2/NDF : 113929060918.1/22

All: -0.078+/-0.000

χ^2/NDF : 1740974834661

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 214932.0/17

Left Out: 0.006+/-0.000 χ^2/NDF :314309.7/24

Right Out: 0.004+/-0.000 χ^2/NDF : 281822.2/19

Left In: 0.006+/-0.000 χ^2/NDF :364512.1/22

Left: 0.006+/-0.000 χ^2/NDF : 679905.3/47

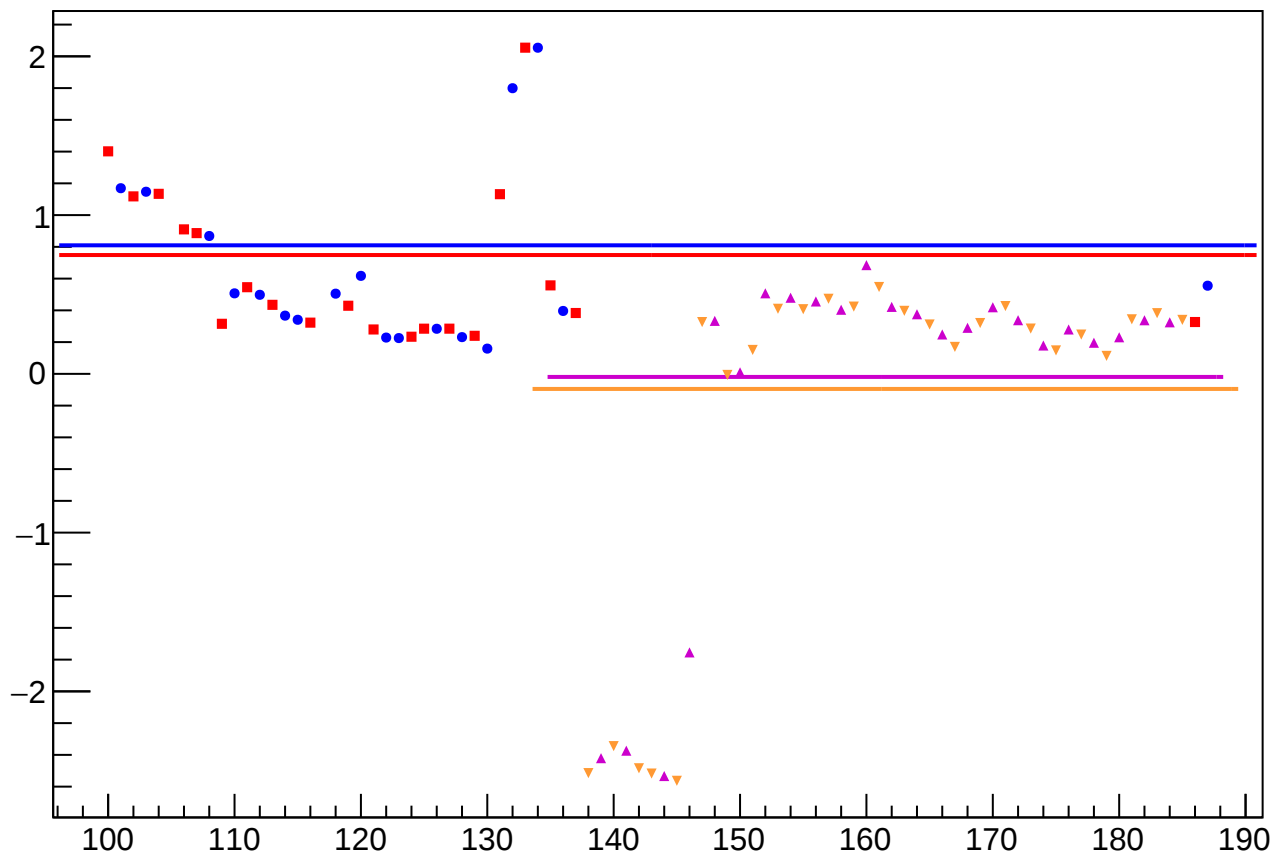
Right: 0.004+/-0.000 χ^2/NDF : 497124.7/37

In: 0.005+/-0.000 χ^2/NDF :3240258.5/40

Out: 0.005+/-0.000 χ^2/NDF :3630239.7/44

All: 0.005+/-0.000 χ^2/NDF : 6871601.4/85

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.810+/-0.000

χ^2/NDF : 32402533284.5/17

Left: -0.058+/-0.000

χ^2/NDF : 924153662333.7/47

Right: 0.776+/-0.000

χ^2/NDF : 72455345566.1/37

Left Out: -0.095+/-0.000

χ^2/NDF : 505606573631.9/24

In: 0.174+/-0.000

χ^2/NDF : 528427656477.1/40

Right Out: 0.748+/-0.000

χ^2/NDF : 39745092507.3/19

Out: 0.125+/-0.000

χ^2/NDF : 640952538804.8/44

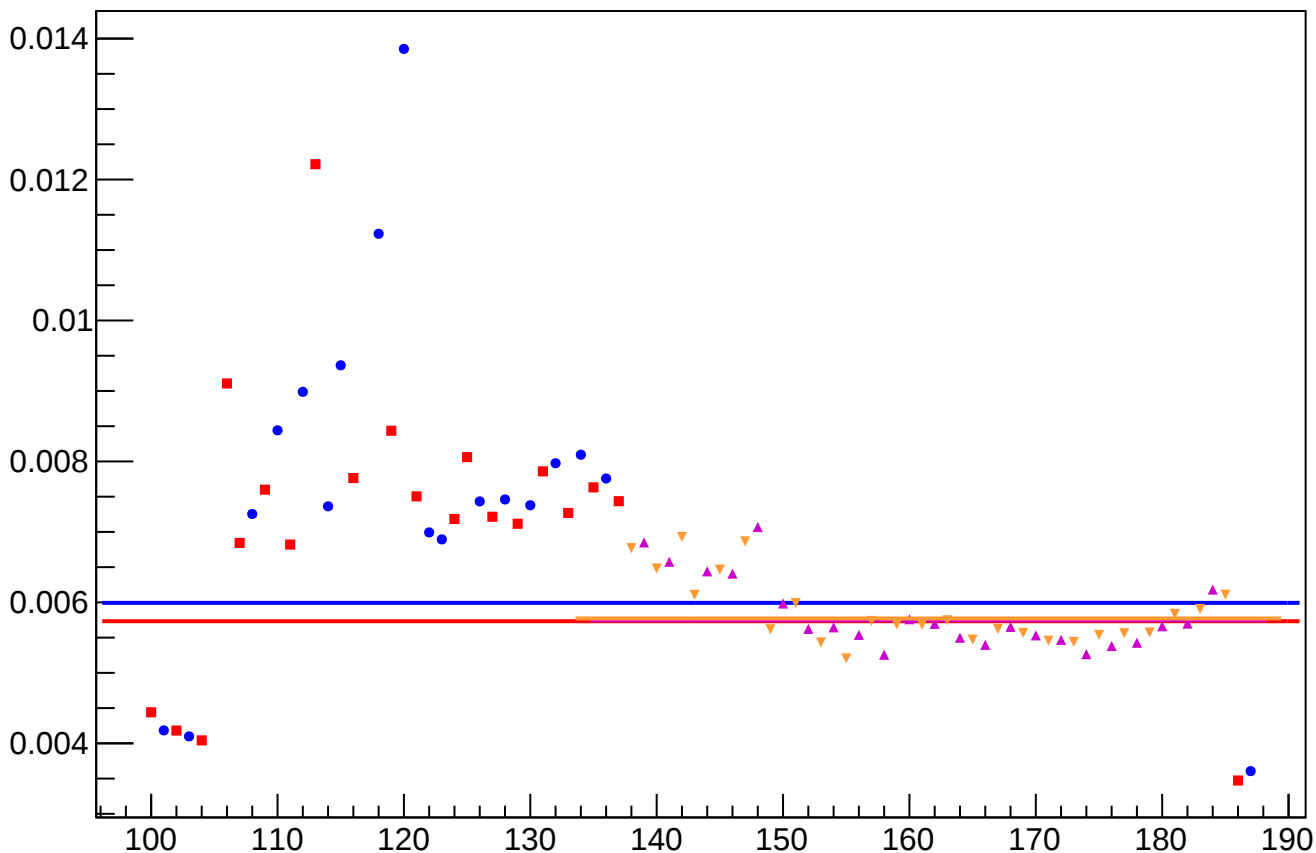
Left In: -0.019+/-0.000

χ^2/NDF : 417104863944.5/22

All: 0.148+/-0.000

χ^2/NDF : 1170169821782.0

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 1352091.1/17

Left Out: 0.006+/-0.000 χ^2/NDF : 177680.7/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1385774.3/19

Left In: 0.006+/-0.000 χ^2/NDF : 204066.4/22

Left: 0.006+/-0.000 χ^2/NDF : 382076.8/47

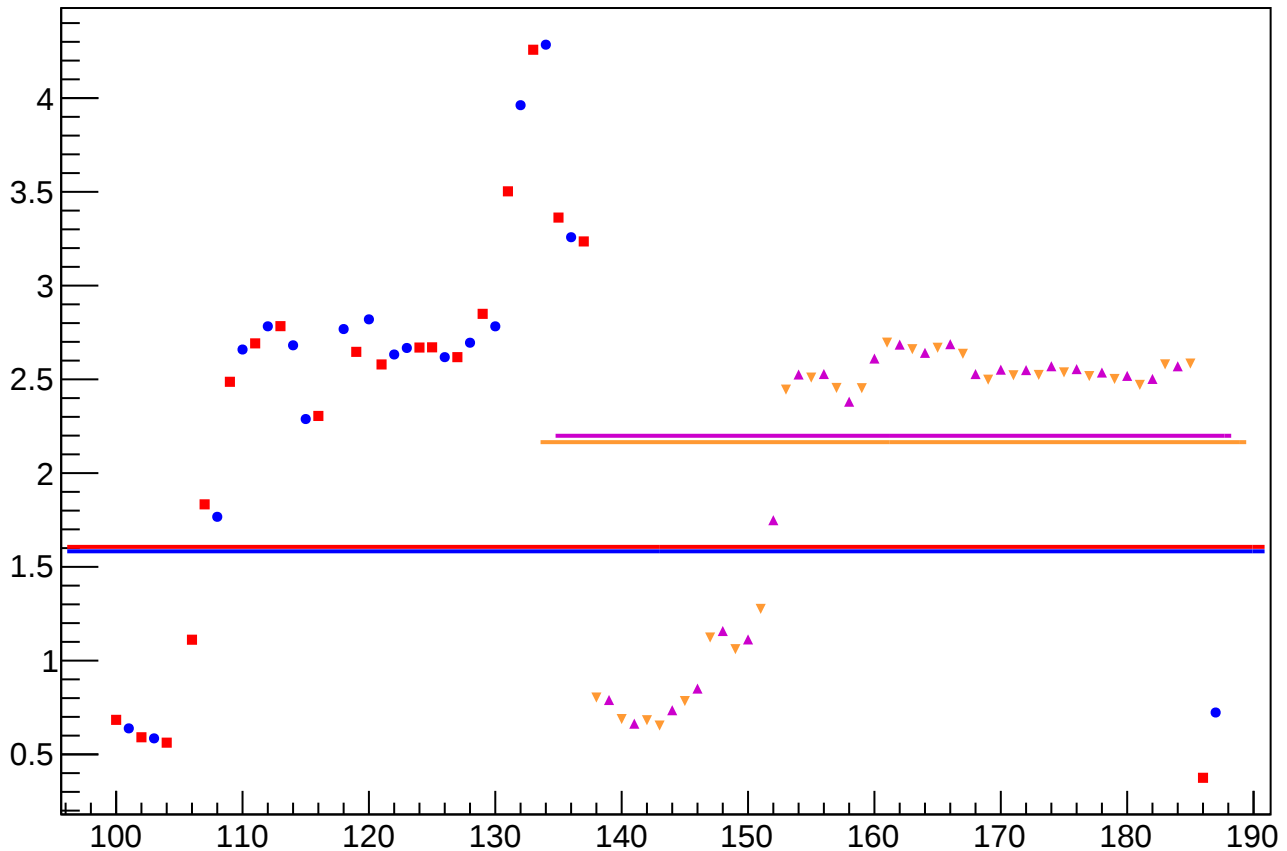
Right: 0.006+/-0.000 χ^2/NDF : 2749011.0/37

In: 0.006+/-0.000 χ^2/NDF : 1570159.0/40

Out: 0.006+/-0.000 χ^2/NDF : 1563868.4/44

All: 0.006+/-0.000 χ^2/NDF : 3135213.9/85

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.583+/-0.000 χ^2/NDF : 206849923995.8/17

Left Out: 2.165+/-0.000 χ^2/NDF : 292800056899.6/24

Right Out: 1.607+/-0.000 χ^2/NDF : 246467374280.5/19

Left In: 2.199+/-0.000 χ^2/NDF : 253166239065.4/22

Left: 2.182+/-0.000 χ^2/NDF : 546302258971.9/47

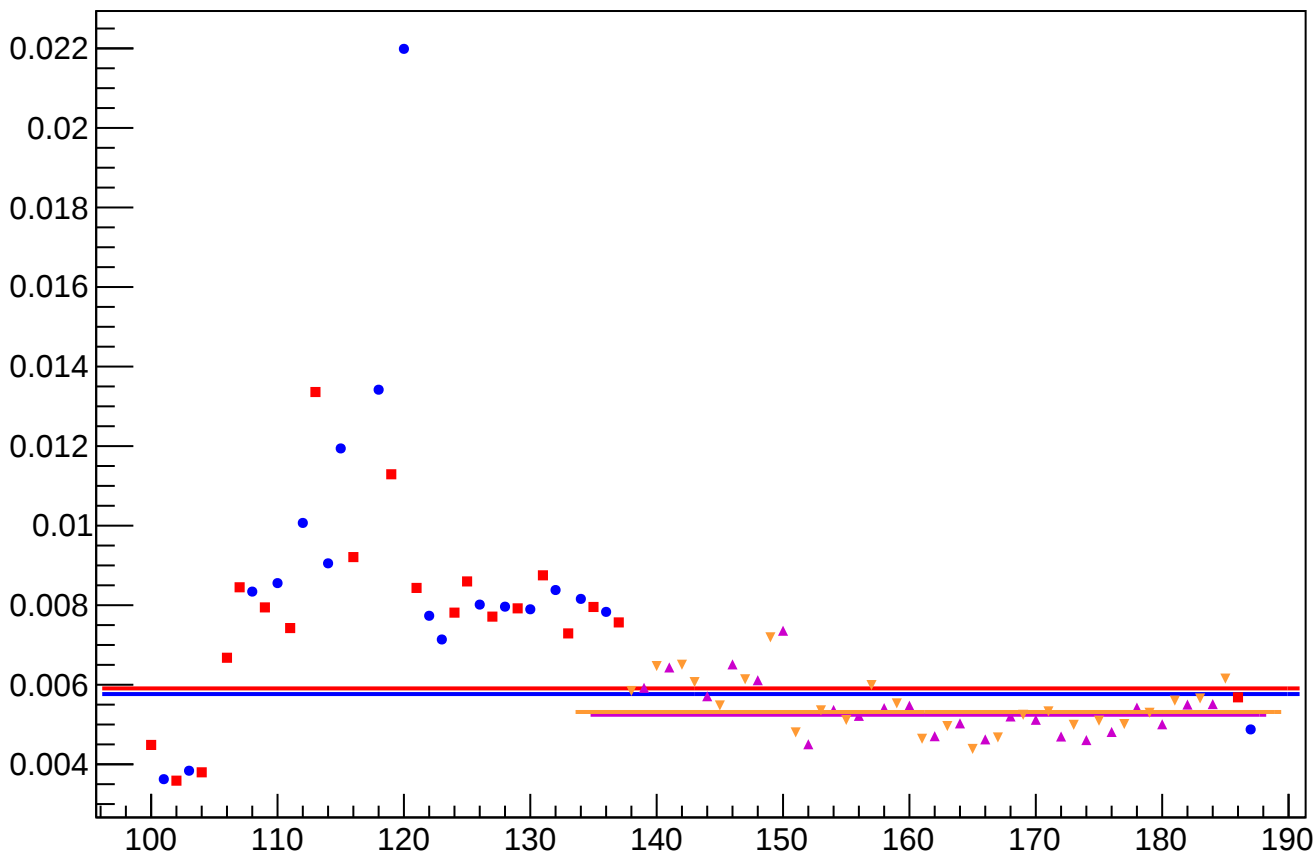
Right: 1.595+/-0.000 χ^2/NDF : 453360951598.8/37

In: 2.072+/-0.000 χ^2/NDF : 504777430425.1/40

Out: 2.043+/-0.000 χ^2/NDF : 579203322205.5/44

All: 2.058+/-0.000 χ^2/NDF : 1084287663682.

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 1920303.3/17

Left Out: 0.005+/-0.000 χ^2/NDF : 398795.0/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1678458.9/19

Left In: 0.005+/-0.000 χ^2/NDF : 425864.8/22

Left: 0.005+/-0.000 χ^2/NDF : 827475.4/47

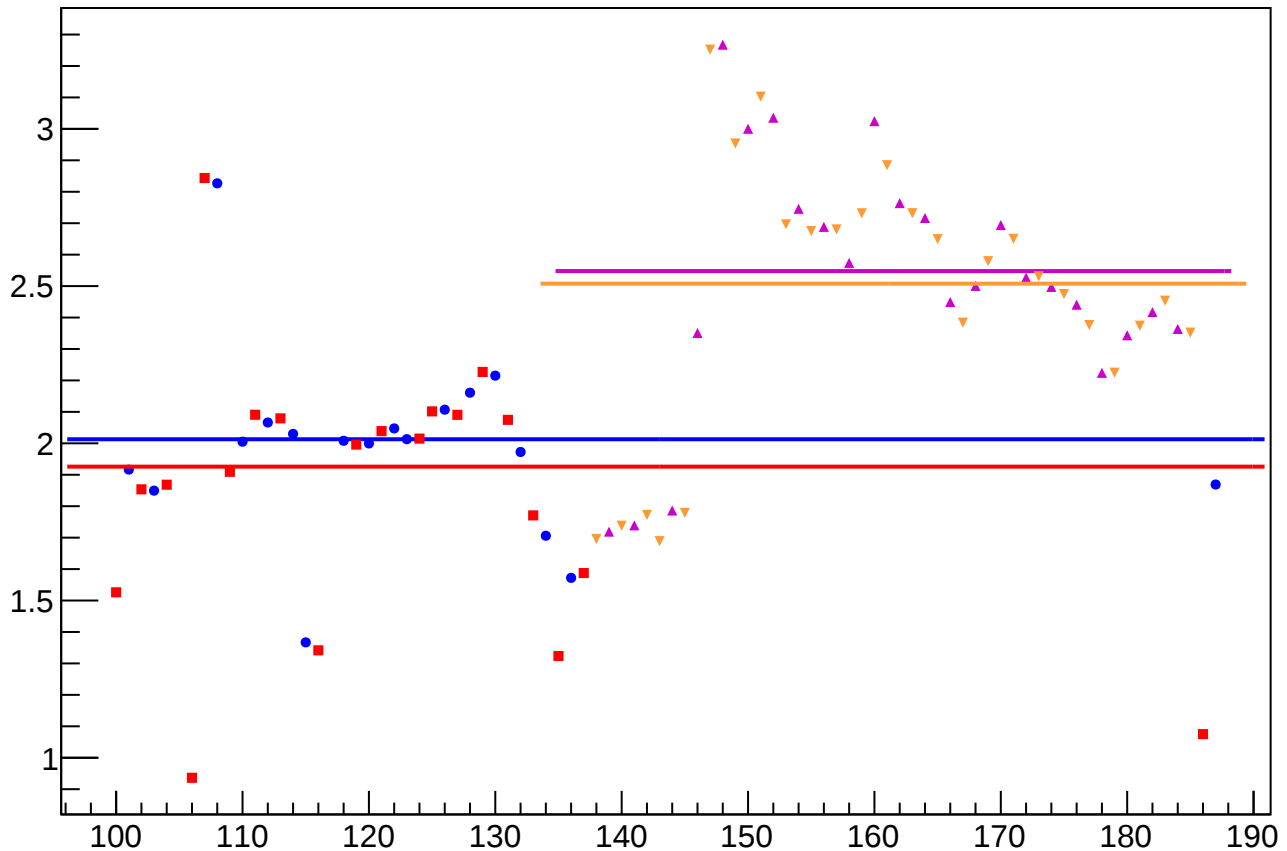
Right: 0.006+/-0.000 χ^2/NDF : 3601908.4/37

In: 0.005+/-0.000 χ^2/NDF : 2409987.6/40

Out: 0.005+/-0.000 χ^2/NDF : 2167224.0/44

All: 0.005+/-0.000 χ^2/NDF : 4583404.4/85

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.013 $\pm$ 0.000 χ^2 /NDF: 12233446558.1/17

Left Out: 2.508 $\pm$ 0.000 χ^2 /NDF: 52355332406.0/24

Right Out: 1.926 $\pm$ 0.000 χ^2 /NDF: 23707679607.4/19

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

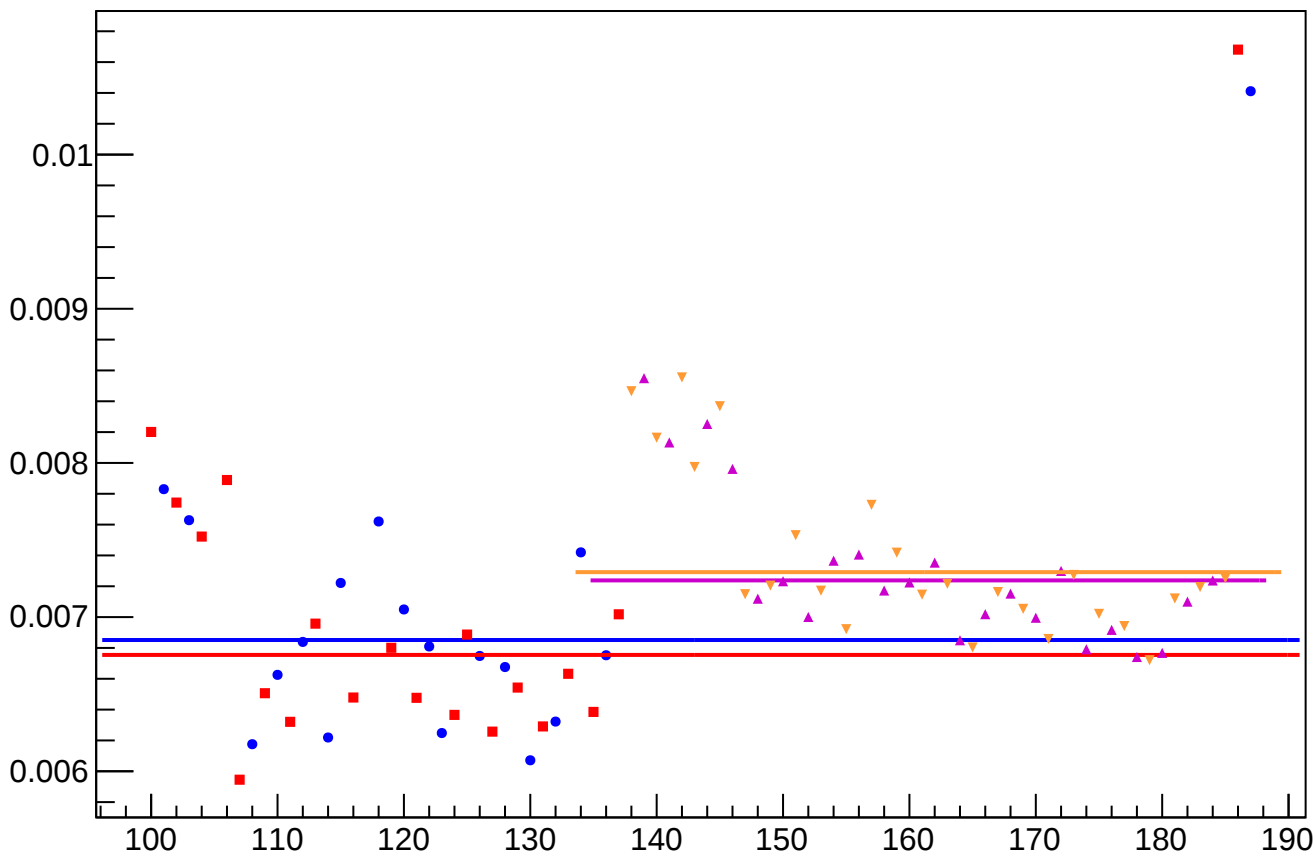
Right: 1.967 $\pm$ 0.000 χ^2 /NDF: 36493682173.4/37

In: 2.386 $\pm$ 0.000 χ^2 /NDF: 85024973653.7/40

Out: 2.321 $\pm$ 0.000 χ^2 /NDF: 111708909952.4/44

All: 2.353 $\pm$ 0.000 χ^2 /NDF: 197711084070.0

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 109151.9/17

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:140788.4/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 174359.1/19

Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:125233.2/22

Left: 0.007 $\pm$ 0.000 χ^2 /NDF: 266945.6/47

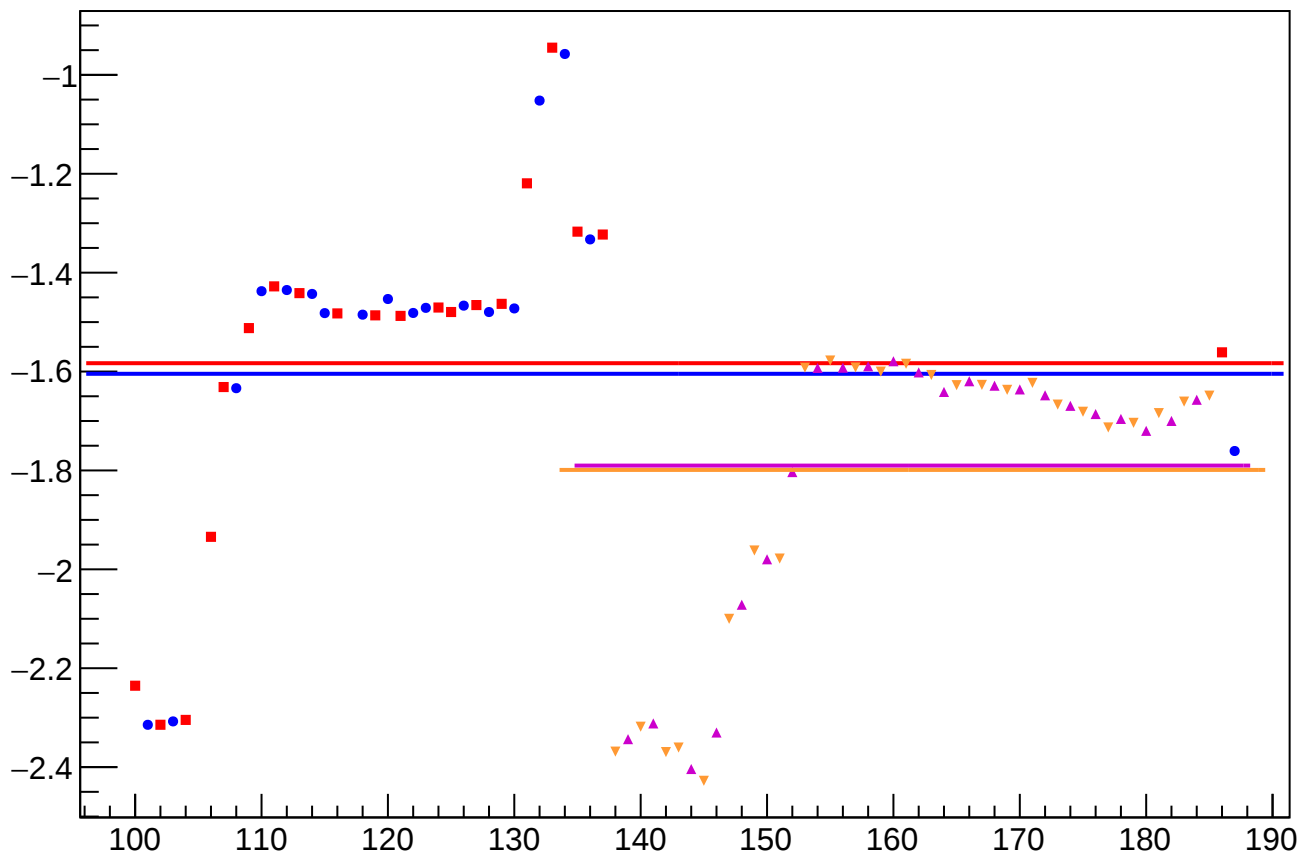
Right: 0.007 $\pm$ 0.000 χ^2 /NDF: 284874.0/37

In: 0.007 $\pm$ 0.000 χ^2 /NDF:263072.8/40

Out: 0.007 $\pm$ 0.000 χ^2 /NDF:375842.8/44

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 638916.7/85

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.605+/-0.000 χ^2/NDF : 140509803030.3/17

Left Out: -1.799+/-0.000 χ^2/NDF : 185362087438.8/24

Right Out: -1.583+/-0.000 χ^2/NDF : 143844659240.6/19

Left In: -1.790+/-0.000 χ^2/NDF : 159648935510.8/22

Left: -1.795+/-0.000 χ^2/NDF : 345099435201.4/47

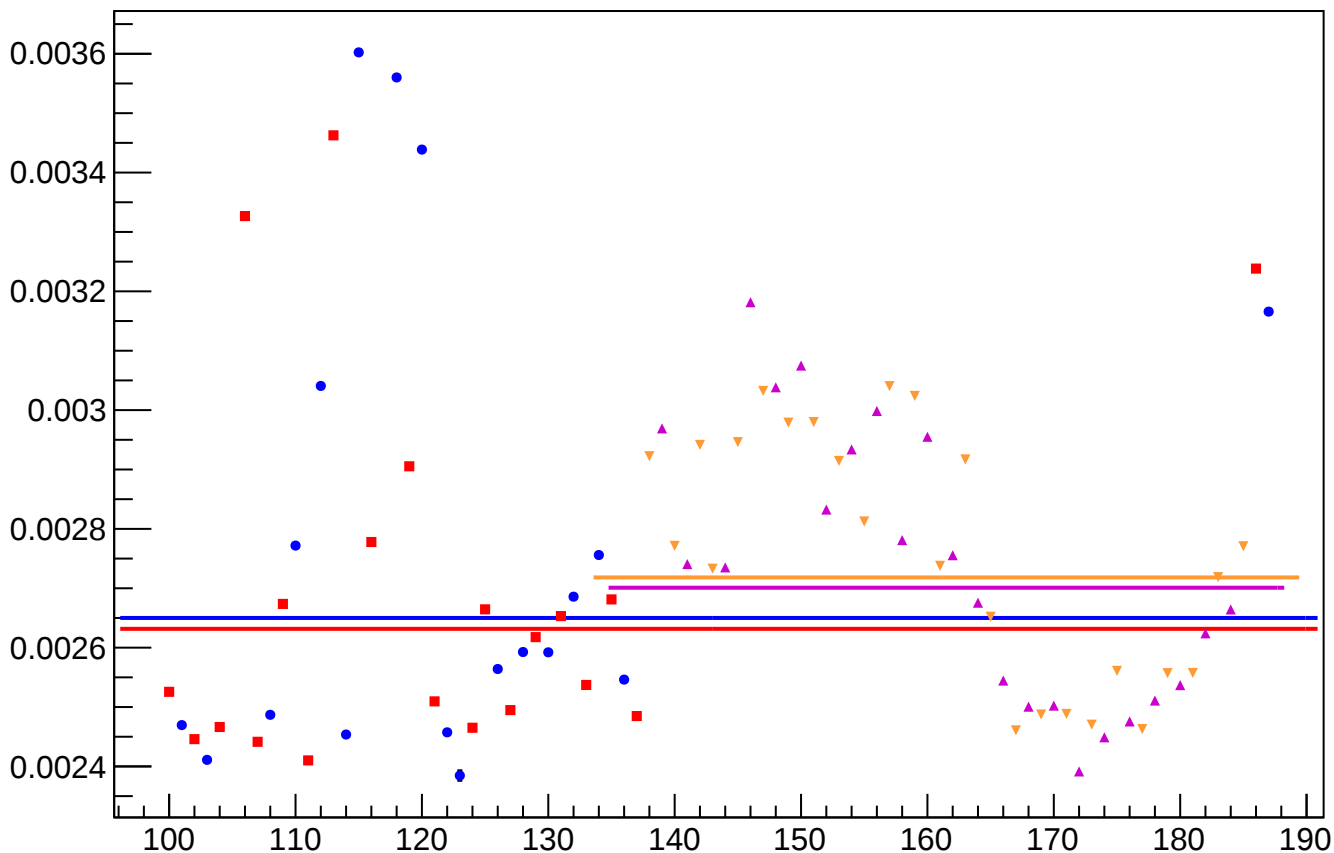
Right: -1.593+/-0.000 χ^2/NDF : 284574892225.7/37

In: -1.737+/-0.000 χ^2/NDF : 322553535109.9/40

Out: -1.734+/-0.000 χ^2/NDF : 362237812394.5/44

All: -1.736+/-0.000 χ^2/NDF : 684804607849.9

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF : 159319.7/17

Left Out: 0.003+/-0.000 χ^2/NDF :199695.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 131580.5/19

Left In: 0.003+/-0.000 χ^2/NDF :220327.9/22

Left: 0.003+/-0.000 χ^2/NDF : 420716.9/47

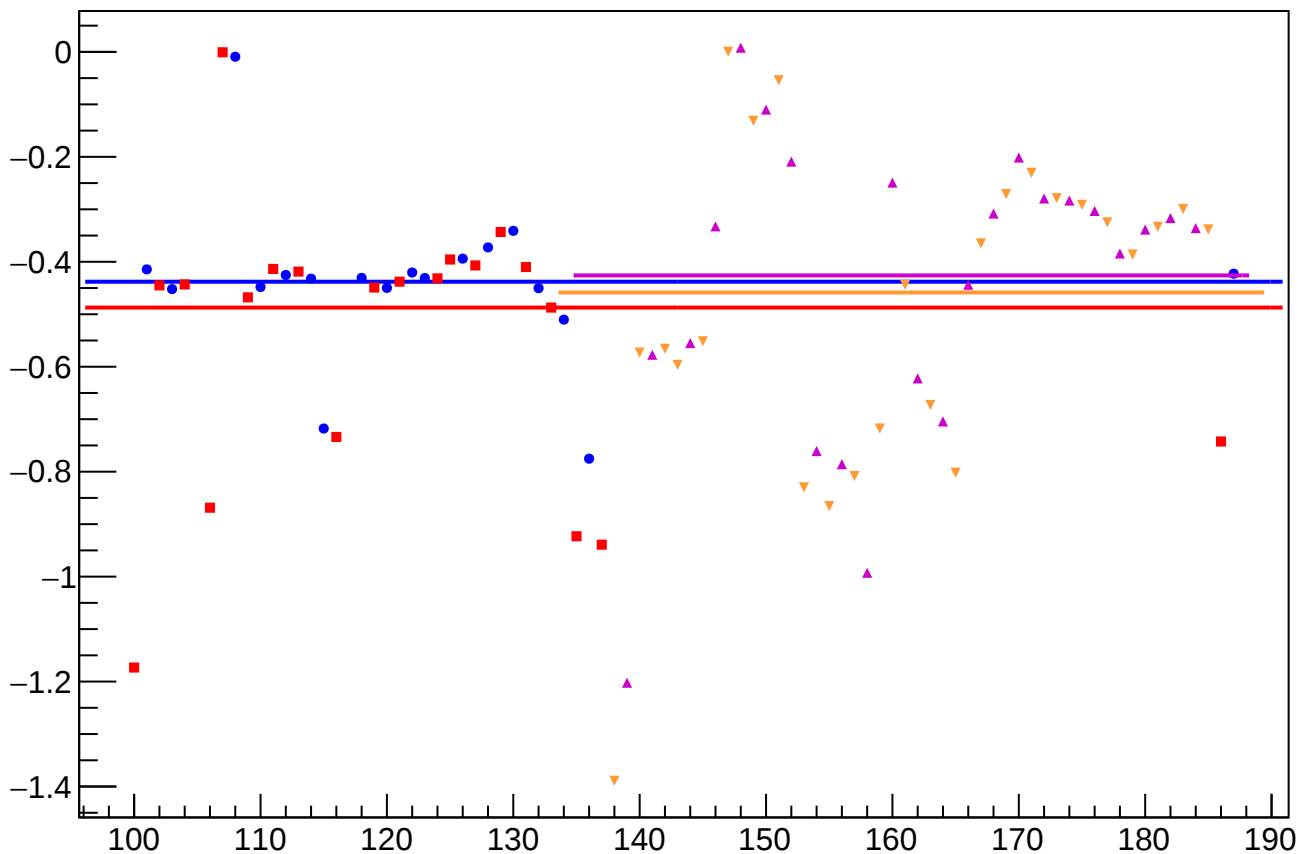
Right: 0.003+/-0.000 χ^2/NDF : 291222.5/37

In: 0.003+/-0.000 χ^2/NDF :383015.3/40

Out: 0.003+/-0.000 χ^2/NDF :341899.2/44

All: 0.003+/-0.000 χ^2/NDF : 725029.4/85

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.438 $\pm$ 0.000 χ^2/NDF : 1461298392.9/17

Left Out: -0.459 $\pm$ 0.000 χ^2/NDF : 9916462814.9/24

Right Out: -0.487 $\pm$ 0.000 χ^2/NDF : 2767234975.8/19

Left In: -0.426 $\pm$ 0.000 χ^2/NDF : 8424222576.0/22

Left: -0.443 $\pm$ 0.000 χ^2/NDF : 18401926676.9/47

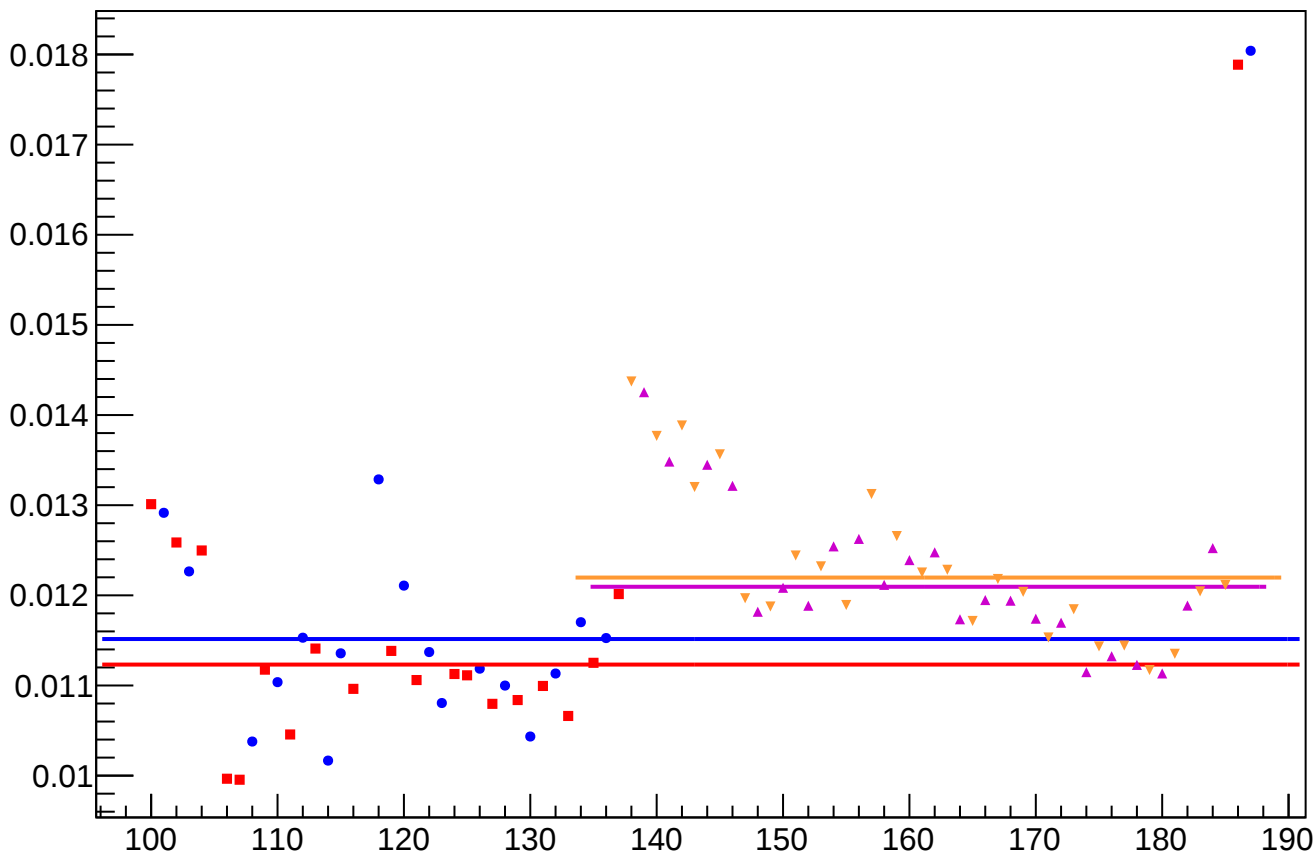
Right: -0.464 $\pm$ 0.000 χ^2/NDF : 4292856770.9/37

In: -0.430 $\pm$ 0.000 χ^2/NDF : 9890483248.1/40

Out: -0.468 $\pm$ 0.000 χ^2/NDF : 12715412043.3/44

All: -0.449 $\pm$ 0.000 χ^2/NDF : 22729466616.3/47

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 100633.6/17

Left Out: 0.012+/-0.000 χ^2/NDF :141850.9/24

Right Out: 0.011+/-0.000 χ^2/NDF : 156444.2/19

Left In: 0.012+/-0.000 χ^2/NDF :127308.3/22

Left: 0.012+/-0.000 χ^2/NDF : 270367.5/47

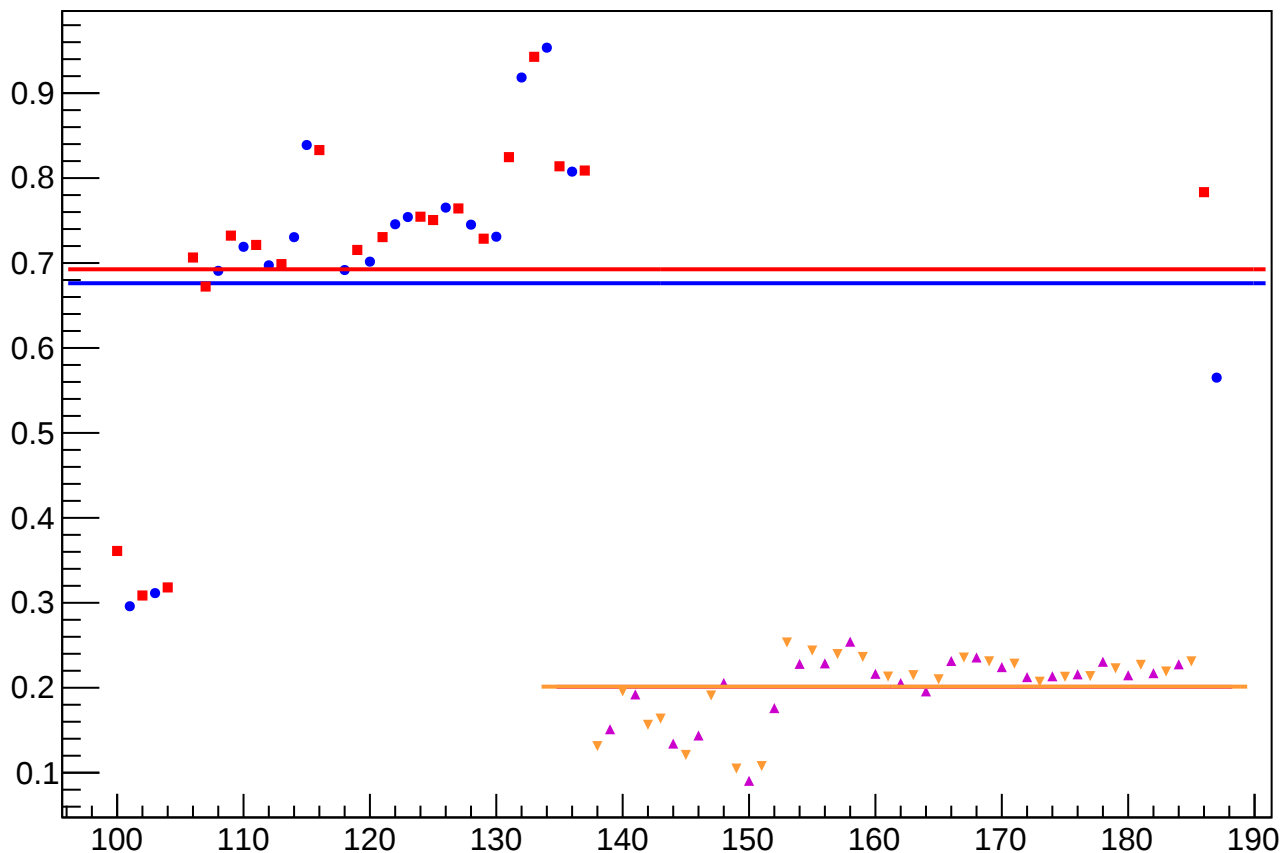
Right: 0.011+/-0.000 χ^2/NDF : 261342.7/37

In: 0.012+/-0.000 χ^2/NDF :251117.6/40

Out: 0.012+/-0.000 χ^2/NDF :370139.8/44

All: 0.012+/-0.000 χ^2/NDF : 621485.0/85

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.676+/-0.000 χ^2/NDF : 38708343978.8/17

Left Out: 0.201+/-0.000 χ^2/NDF : 7090760823.7/24

Right Out: 0.693+/-0.000 χ^2/NDF : 35686377380.0/19

Left In: 0.201+/-0.000 χ^2/NDF : 5671770181.2/22

Left: 0.201+/-0.000 χ^2/NDF : 12762673178.0/47

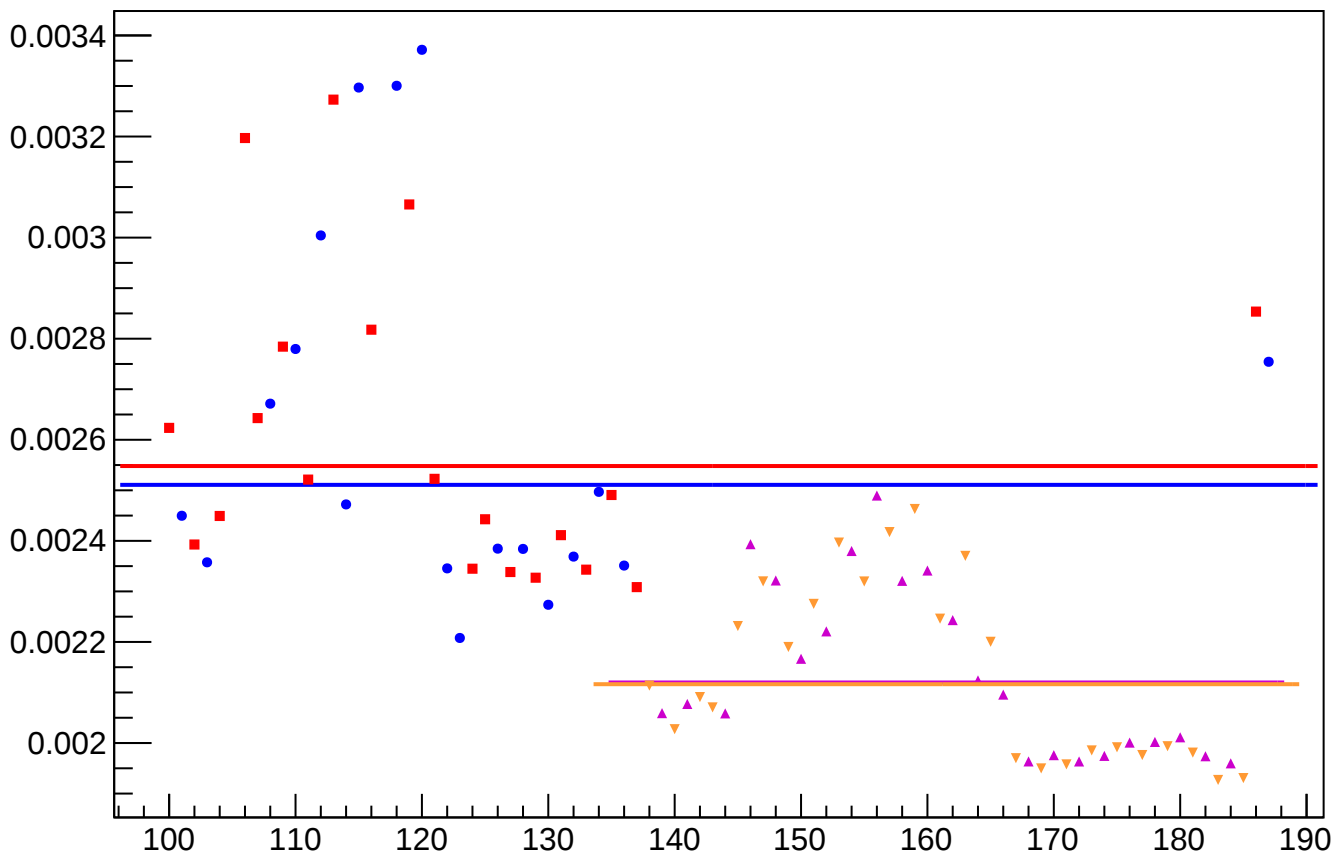
Right: 0.685+/-0.000 χ^2/NDF : 74536890749.8/37

In: 0.302+/-0.000 χ^2/NDF : 227155316003.5/40

Out: 0.305+/-0.000 χ^2/NDF : 249285163136.3/44

All: 0.304+/-0.000 χ^2/NDF : 476465201784.5

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF : 176539.4/17

Left Out: 0.002+/-0.000 χ^2/NDF :224498.3/24

Right Out: 0.003+/-0.000 χ^2/NDF : 140510.1/19

Left In: 0.002+/-0.000 χ^2/NDF :189228.6/22

Left: 0.002+/-0.000 χ^2/NDF : 413772.2/47

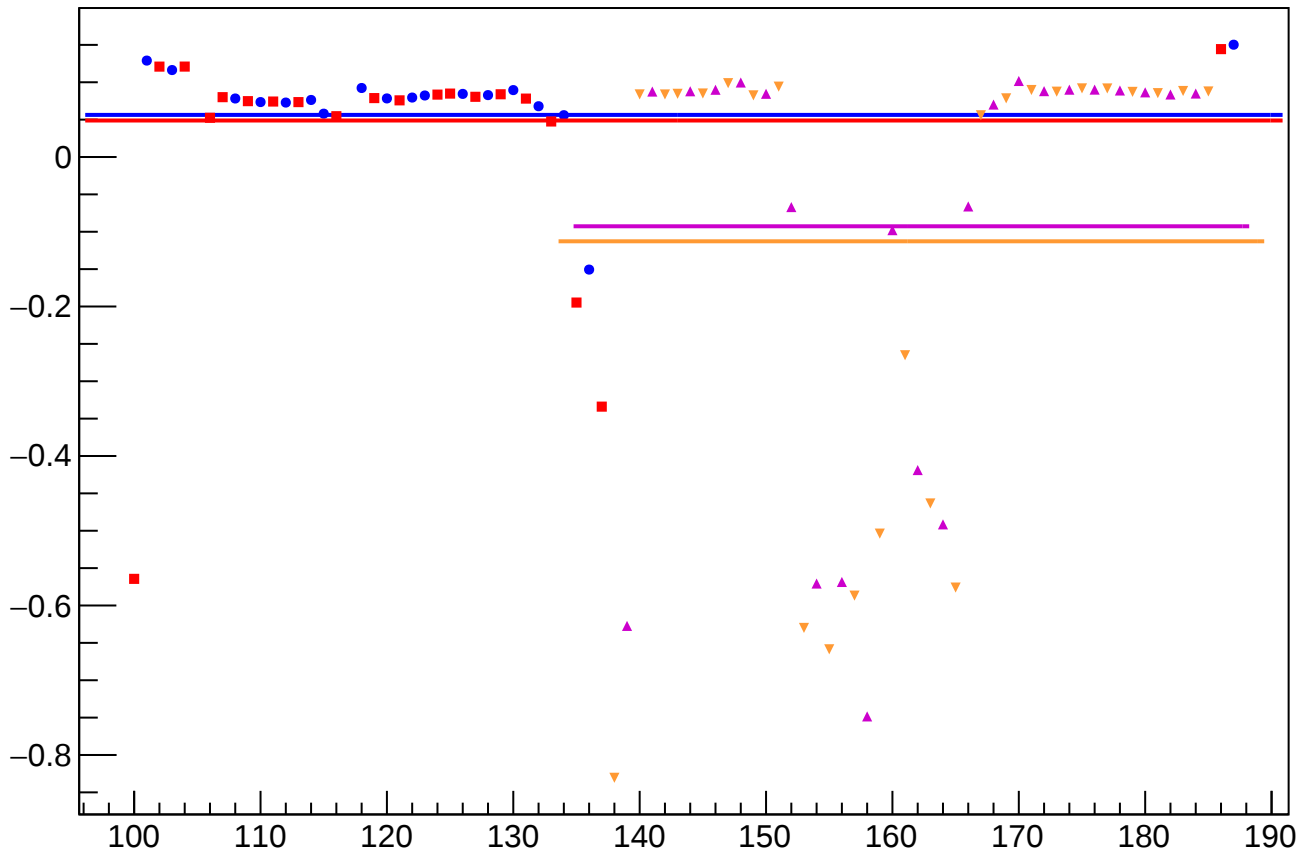
Right: 0.003+/-0.000 χ^2/NDF : 318513.1/37

In: 0.002+/-0.000 χ^2/NDF :613301.2/40

Out: 0.002+/-0.000 χ^2/NDF :683804.5/44

All: 0.002+/-0.000 χ^2/NDF : 1297218.2/85

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.056 $\pm$ 0.000

χ^2 /NDF: 427231839.7/17

Left: -0.103 $\pm$ 0.000

χ^2 /NDF: 24747894543.0/47

Left Out: -0.113 $\pm$ 0.000

χ^2 /NDF: 13667354077.1/24

Right: 0.052 $\pm$ 0.000

χ^2 /NDF: 1261190674.3/37

Right Out: 0.049 $\pm$ 0.000

χ^2 /NDF: 831915971.6/19

In: -0.044 $\pm$ 0.000

χ^2 /NDF: 12489206317.8/40

Left In: -0.093 $\pm$ 0.000

χ^2 /NDF: 11051944893.7/22

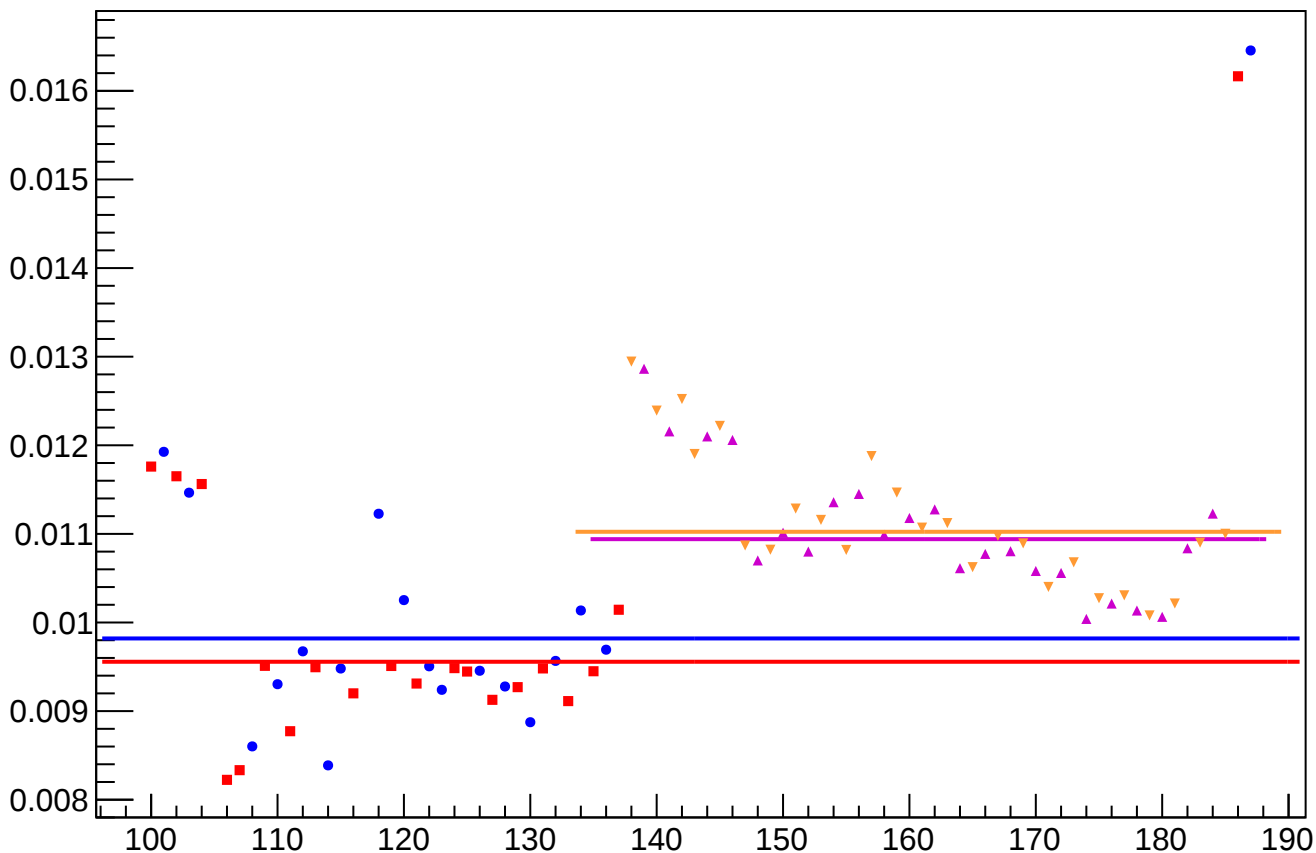
Out: -0.056 $\pm$ 0.000

χ^2 /NDF: 15829060016.8/44

All: -0.050 $\pm$ 0.000

χ^2 /NDF: 28334066873.9/100

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010 $\pm$ 0.000 χ^2/NDF : 160728.5/17

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 141501.7/24

Right Out: 0.010 $\pm$ 0.000 χ^2/NDF : 231168.3/19

Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 128914.2/22

Left: 0.011 $\pm$ 0.000 χ^2/NDF : 271400.1/47

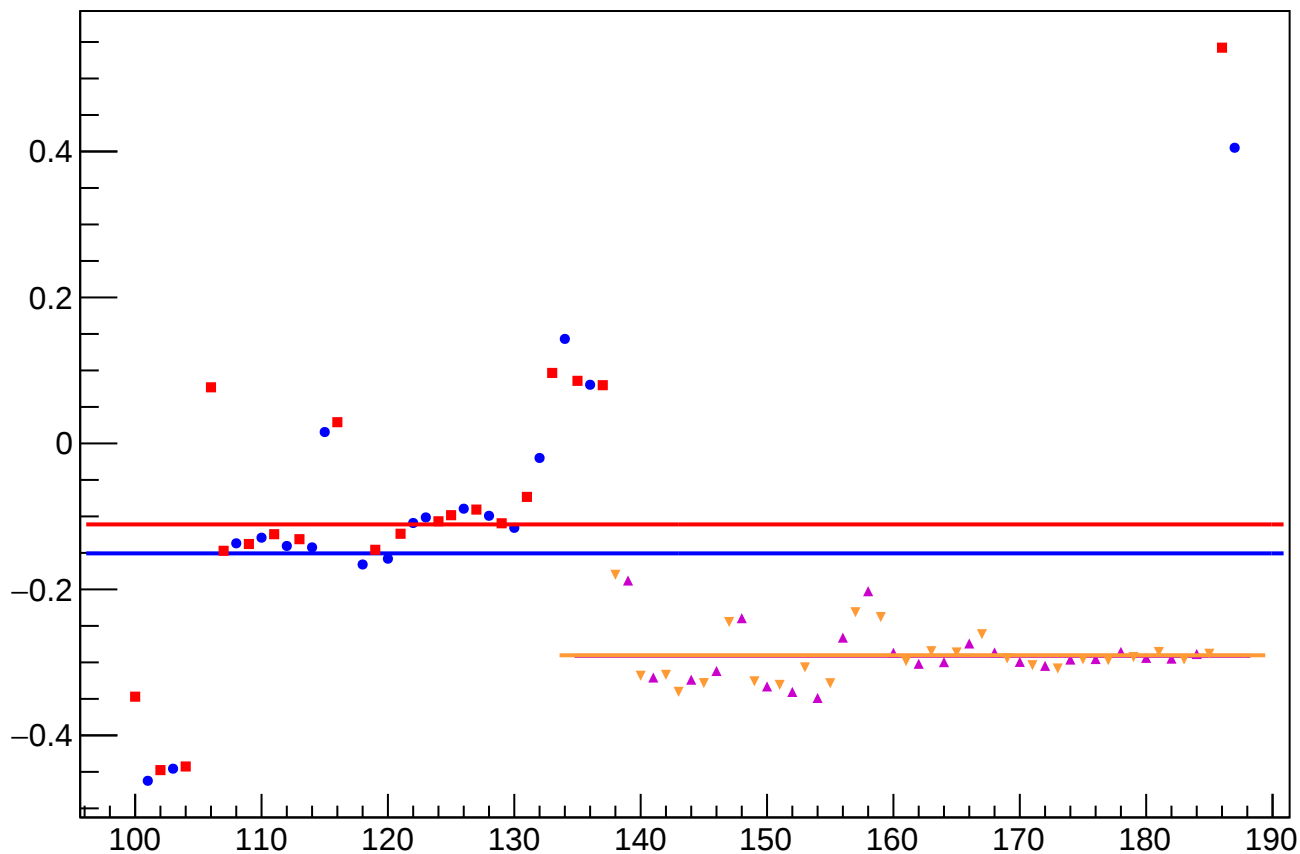
Right: 0.010 $\pm$ 0.000 χ^2/NDF : 396929.2/37

In: 0.011 $\pm$ 0.000 χ^2/NDF : 403870.9/40

Out: 0.011 $\pm$ 0.000 χ^2/NDF : 591820.1/44

All: 0.011 $\pm$ 0.000 χ^2/NDF : 996596.7/85

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.151+/-0.000 χ^2/NDF : 15433303653.5/17

Left Out: -0.290+/-0.000 χ^2/NDF : 2877519093.0/24

Right Out: -0.111+/-0.000 χ^2/NDF : 20862514078.1/19

Left In: -0.291+/-0.000 χ^2/NDF : 3125402243.3/22

Left: -0.291+/-0.000 χ^2/NDF : 6003615293.4/47

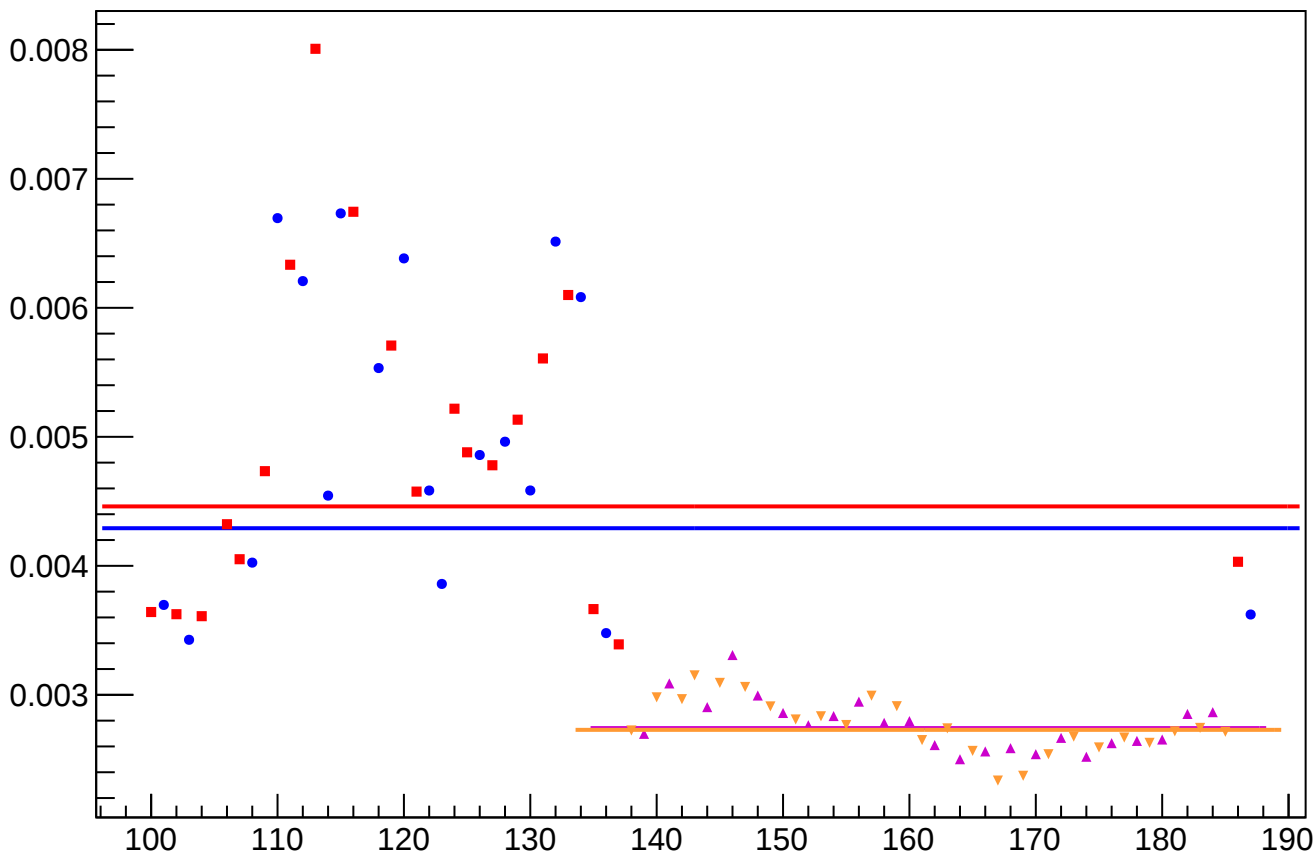
Right: -0.131+/-0.000 χ^2/NDF : 36551731473.6/37

In: -0.273+/-0.000 χ^2/NDF : 24077444138.2/40

Out: -0.268+/-0.000 χ^2/NDF : 33031650952.3/44

All: -0.271+/-0.000 χ^2/NDF : 57139860637.1/47

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 627340.2/17

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:206527.1/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 647747.3/19

Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:147778.8/22

Left: 0.003 $\pm$ 0.000 χ^2 /NDF: 354733.7/47

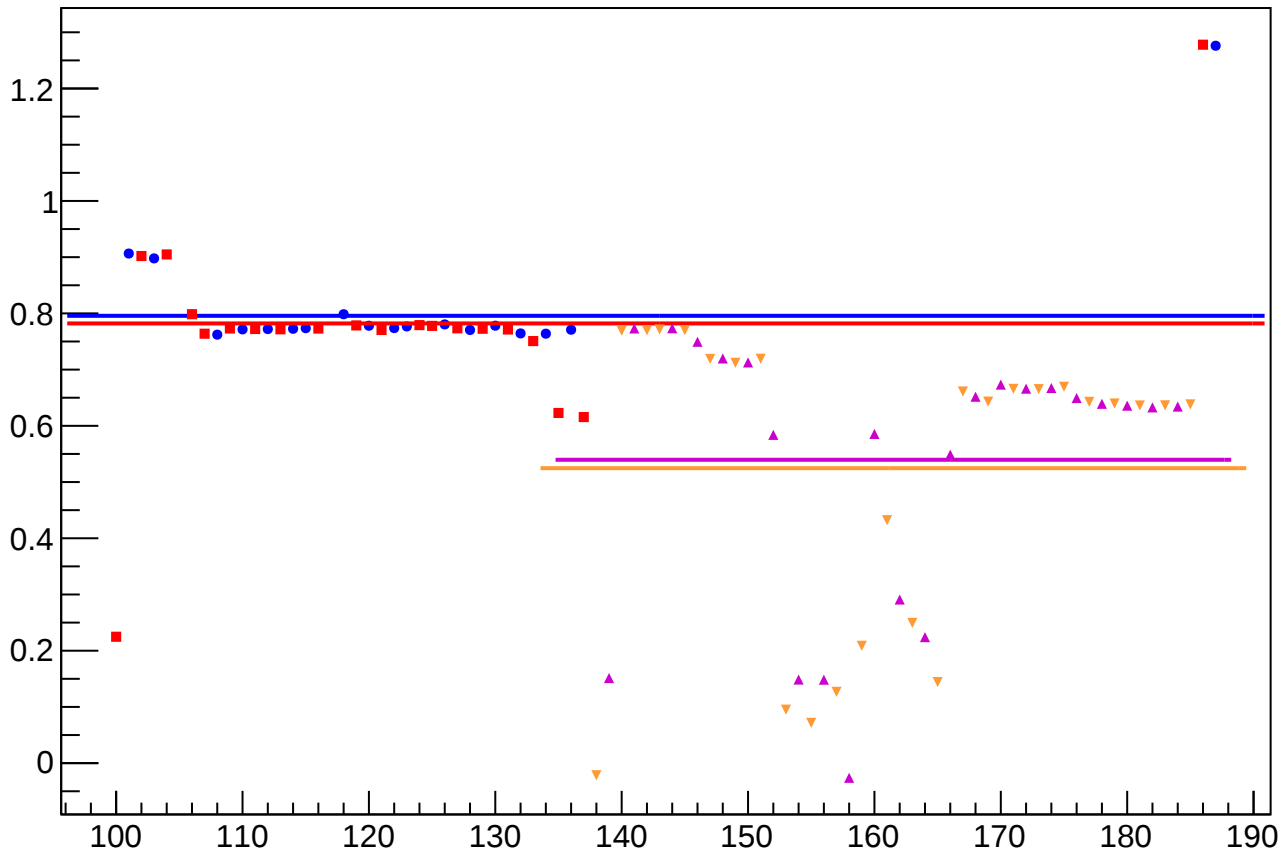
Right: 0.004 $\pm$ 0.000 χ^2 /NDF: 1284370.8/37

In: 0.003 $\pm$ 0.000 χ^2 /NDF:2119104.6/40

Out: 0.003 $\pm$ 0.000 χ^2 /NDF:2588204.4/44

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 4707312.5/85

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.796 $\pm$ 0.000 χ^2 /NDF: 235199909.1/17

Left Out: 0.525 $\pm$ 0.000 χ^2 /NDF:9623503169.9/24

Right Out: 0.782 $\pm$ 0.000 χ^2 /NDF: 753611592.3/19

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

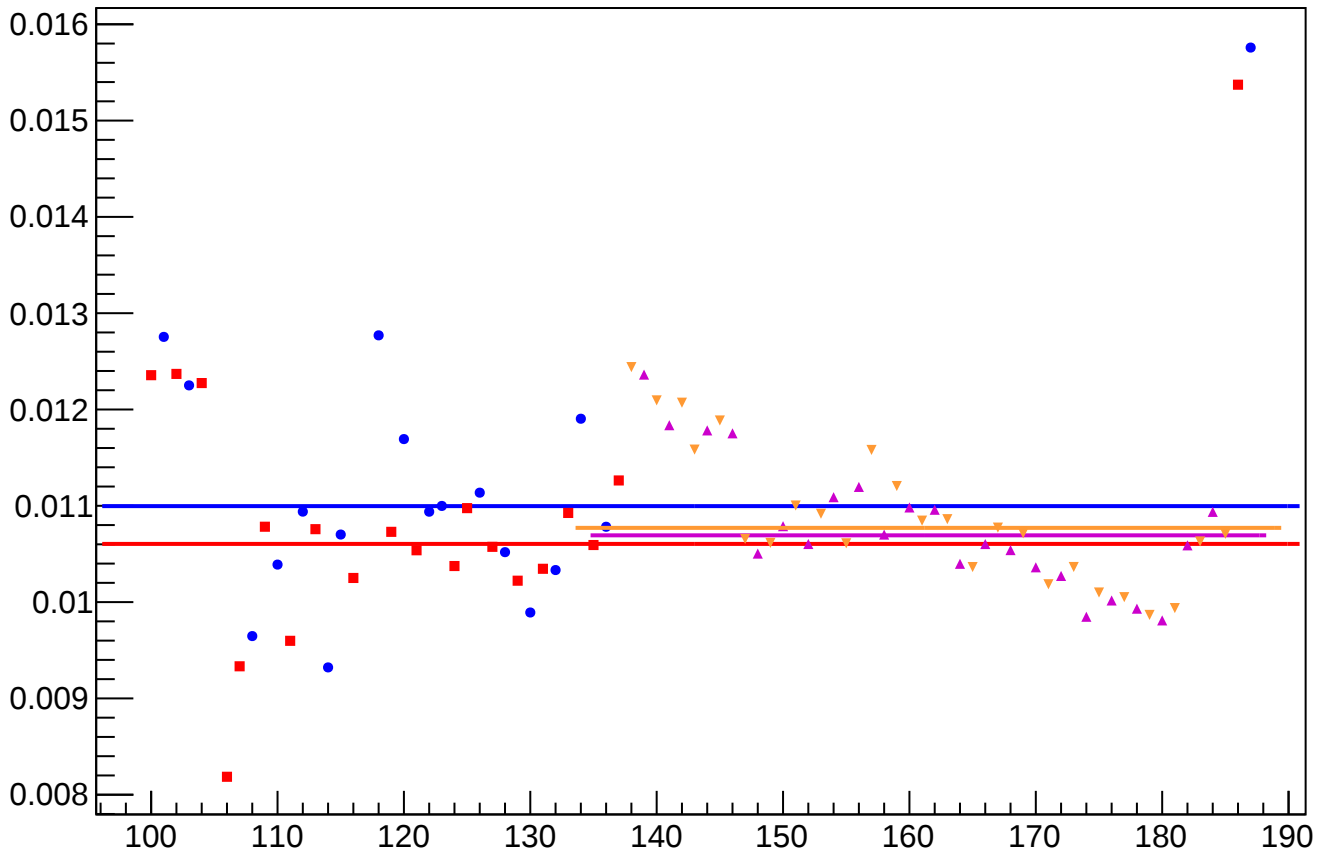
Right: 0.788 $\pm$ 0.000 χ^2 /NDF: 994226184.7/37

In: 0.609 $\pm$ 0.000 χ^2 /NDF:10685048884.7/40

Out: 0.601 $\pm$ 0.000 χ^2 /NDF:13365164482.4/44

All: 0.605 $\pm$ 0.000 χ^2 /NDF: 24057100749.9/86

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 123273.9/17

Left Out: 0.011+/-0.000 χ^2/NDF :131630.9/24

Right Out: 0.011+/-0.000 χ^2/NDF : 189454.3/19

Left In: 0.011+/-0.000 χ^2/NDF :119273.2/22

Left: 0.011+/-0.000 χ^2/NDF : 251802.6/47

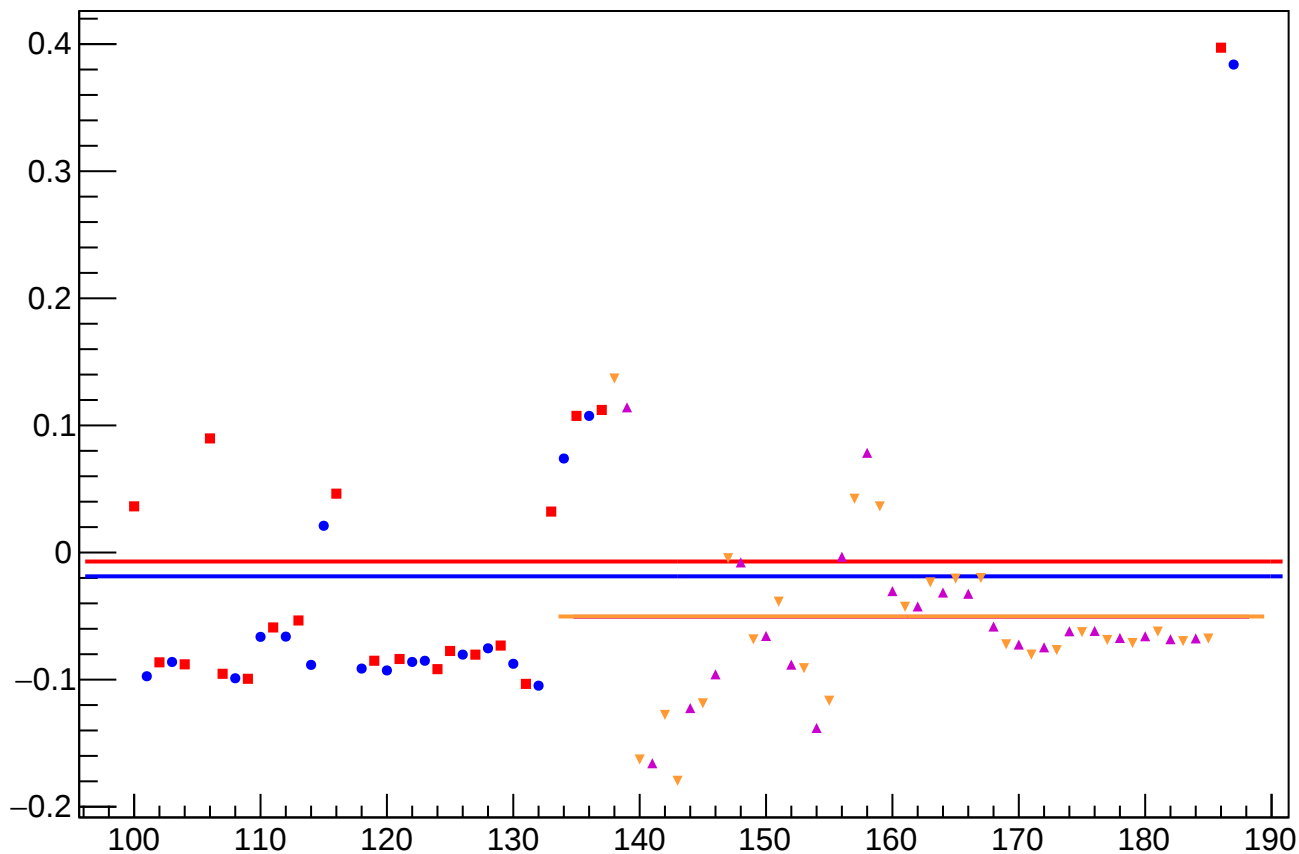
Right: 0.011+/-0.000 χ^2/NDF : 321760.8/37

In: 0.011+/-0.000 χ^2/NDF :249814.6/40

Out: 0.011+/-0.000 χ^2/NDF :323590.4/44

All: 0.011+/-0.000 χ^2/NDF : 574005.2/85

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.000 χ^2/NDF : 3717095572.0/17

Left Out: -0.050+/-0.000 χ^2/NDF : 7271496478.6/24

Right Out: -0.007+/-0.000 χ^2/NDF : 4874030888.1/19

Left In: -0.051+/-0.000 χ^2/NDF : 6128769990.8/22

Left: -0.050+/-0.000 χ^2/NDF : 13400329490.2/47

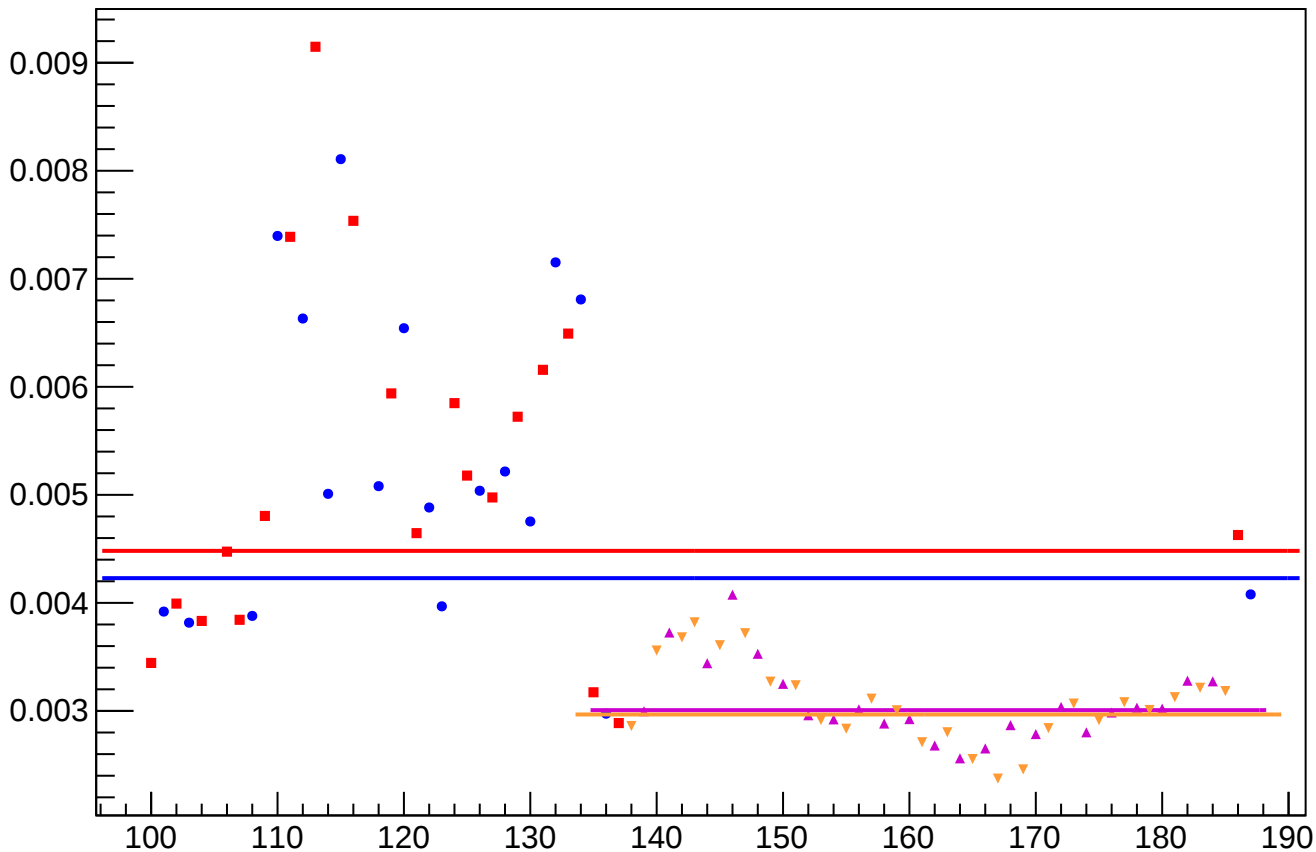
Right: -0.013+/-0.000 χ^2/NDF : 8612186158.2/37

In: -0.046+/-0.000 χ^2/NDF : 10115010421.7/40

Out: -0.044+/-0.000 χ^2/NDF : 12642137357.7/44

All: -0.045+/-0.000 χ^2/NDF : 22759365456.2/100

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 877694.5/17

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:499039.1/24

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 970067.4/19

Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:329068.1/22

Left: 0.003 $\pm$ 0.000 χ^2 /NDF: 831077.6/47

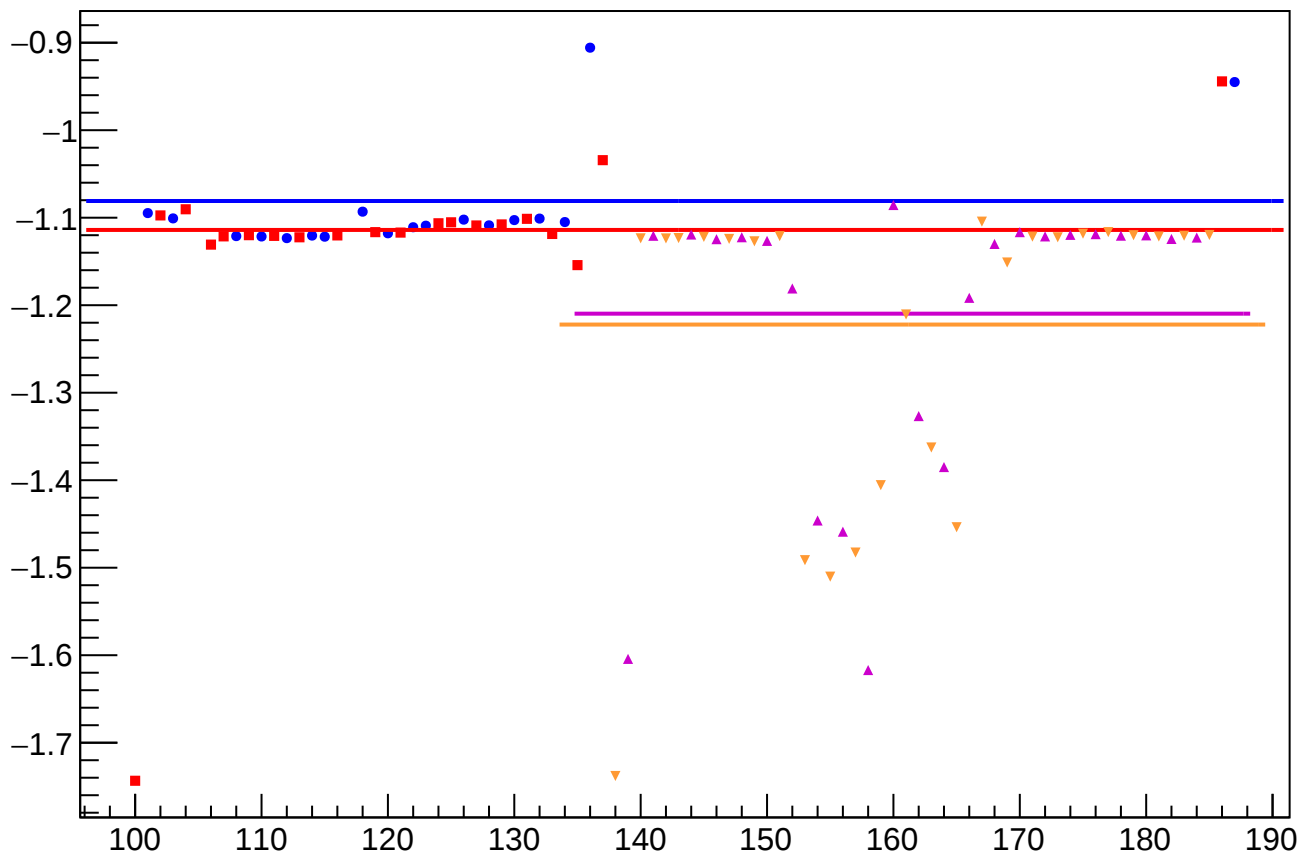
Right: 0.004 $\pm$ 0.000 χ^2 /NDF: 1867512.1/37

In: 0.003 $\pm$ 0.000 χ^2 /NDF:1999125.5/40

Out: 0.003 $\pm$ 0.000 χ^2 /NDF:2686899.1/44

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 4686507.6/85

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -1.081+/-0.000 χ^2/NDF : 216253415.5/17

Left Out: -1.222+/-0.000 χ^2/NDF : 5279548861.3/24

Right Out: -1.114+/-0.000 χ^2/NDF : 279023120.8/19

Left In: -1.210+/-0.000 χ^2/NDF : 4502367902.8/22

Left: -1.216+/-0.000 χ^2/NDF : 9796254294.5/47

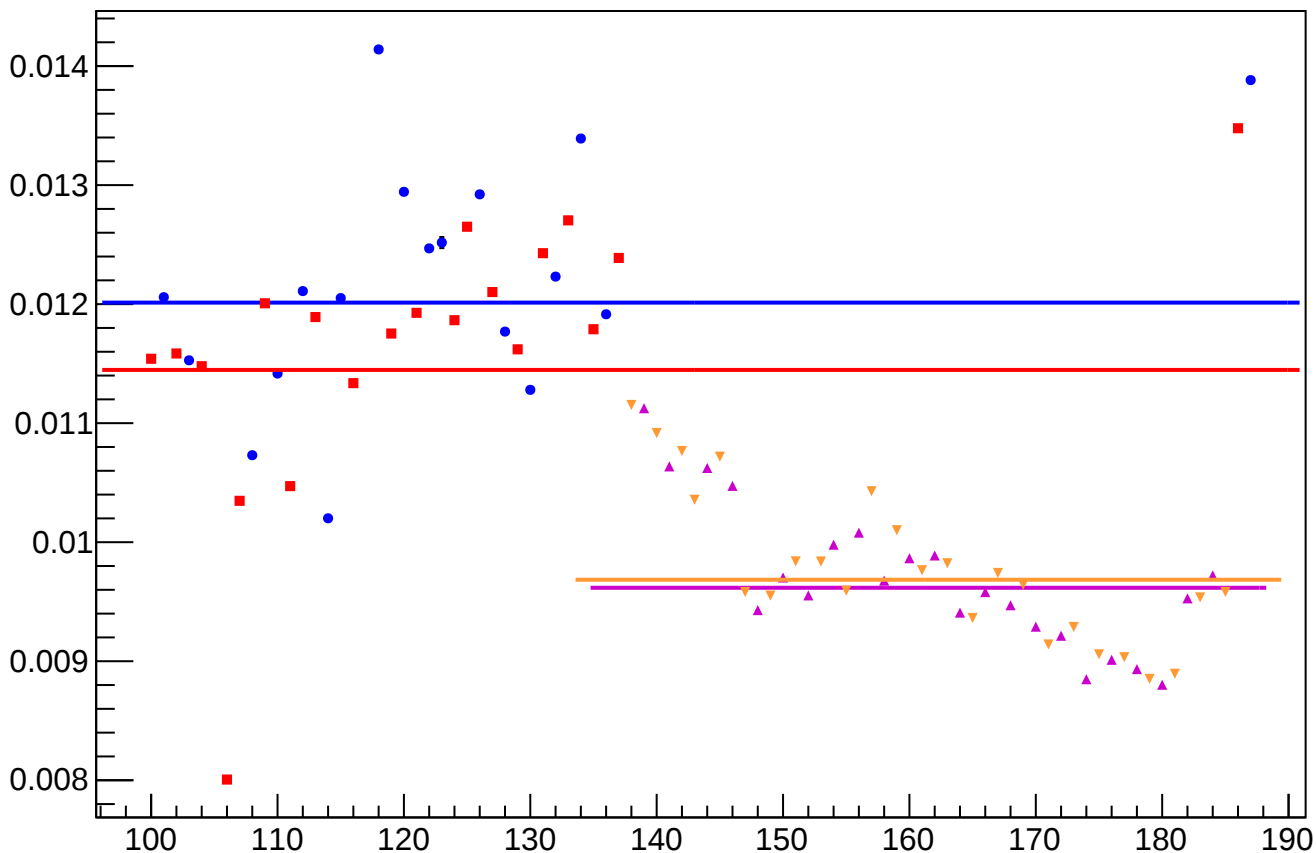
Right: -1.099+/-0.000 χ^2/NDF : 522419975.2/37

In: -1.184+/-0.000 χ^2/NDF : 5320535621.1/40

Out: -1.198+/-0.000 χ^2/NDF : 6055044746.4/44

All: -1.191+/-0.000 χ^2/NDF : 11398586933.4/47

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 63903.5/17

Left Out: 0.010+/-0.000 χ^2/NDF :134863.6/24

Right Out: 0.011+/-0.000 χ^2/NDF : 169600.9/19

Left In: 0.010+/-0.000 χ^2/NDF :119823.1/22

Left: 0.010+/-0.000 χ^2/NDF : 255532.7/47

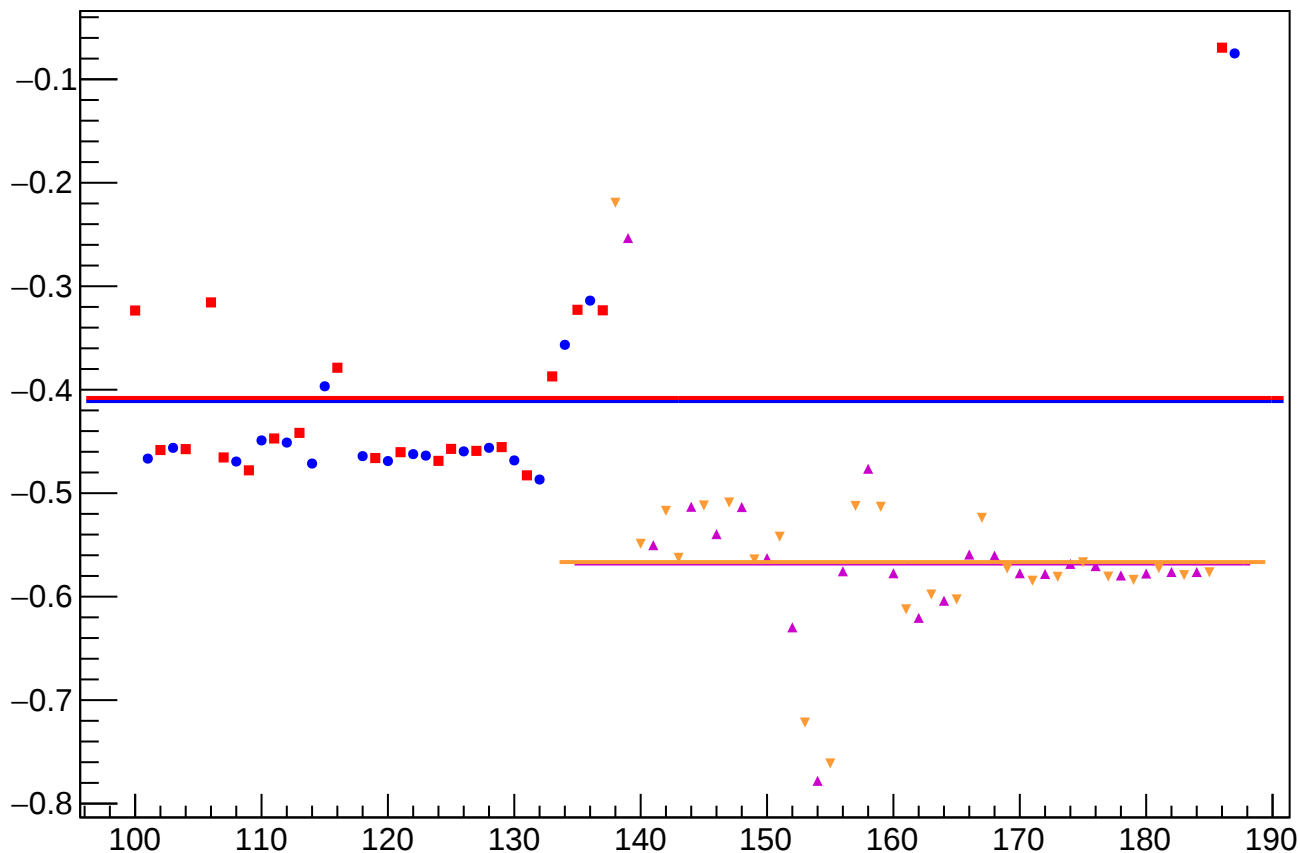
Right: 0.012+/-0.000 χ^2/NDF : 249366.7/37

In: 0.010+/-0.000 χ^2/NDF :600420.8/40

Out: 0.010+/-0.000 χ^2/NDF :568339.0/44

All: 0.010+/-0.000 χ^2/NDF : 1168828.3/85

yield_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -0.411+/-0.000 χ^2/NDF : 2956483340.1/17

Left Out: -0.567+/-0.000 χ^2/NDF : 13368458519.3/24

Right Out: -0.408+/-0.000 χ^2/NDF : 3595455148.4/19

Left In: -0.568+/-0.000 χ^2/NDF : 10458990019.9/22

Left: -0.567+/-0.000 χ^2/NDF : 23829000396.4/47

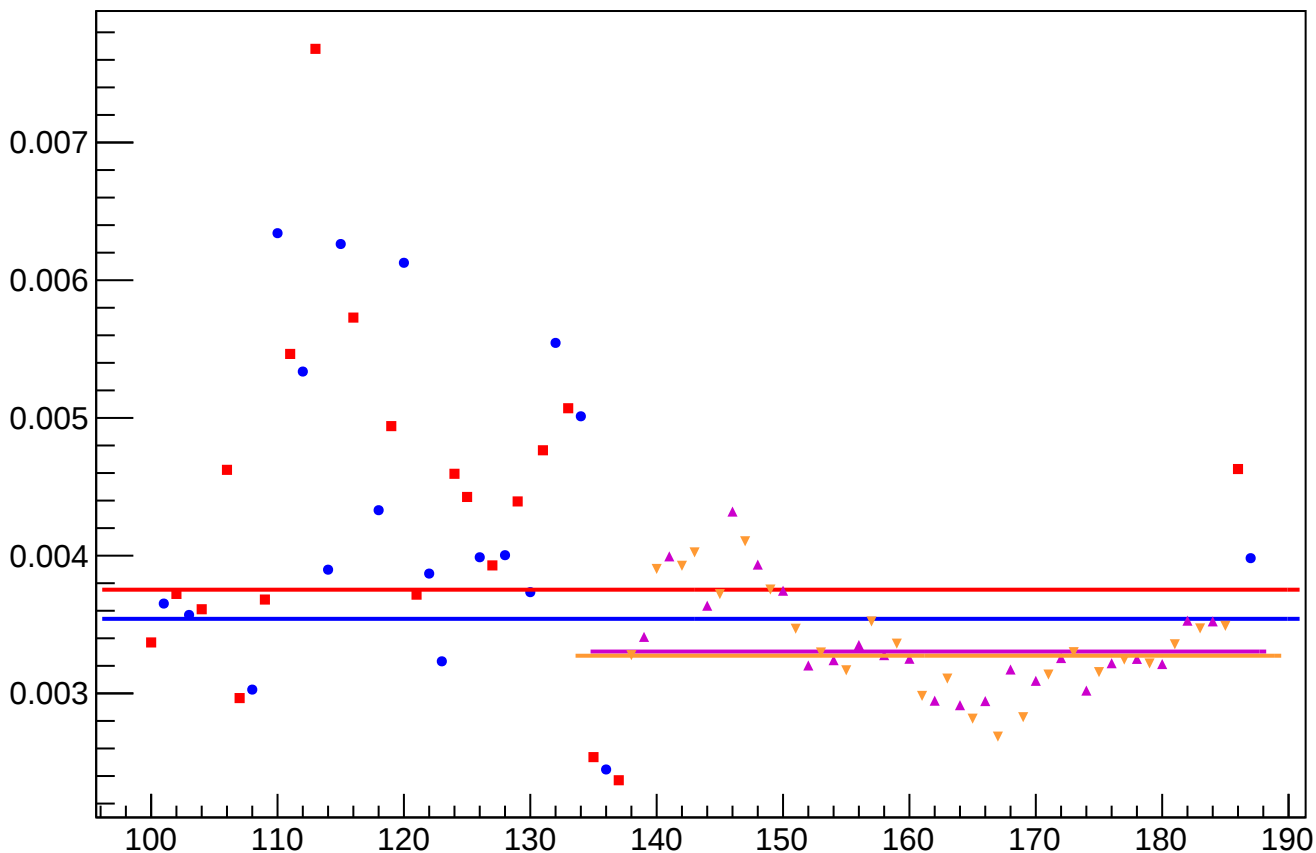
Right: -0.409+/-0.000 χ^2/NDF : 6553934238.3/37

In: -0.532+/-0.000 χ^2/NDF : 21806488982.0/40

Out: -0.532+/-0.000 χ^2/NDF : 25634001217.2/44

All: -0.532+/-0.000 χ^2/NDF : 47440839062.7/77

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004 ± 0.000 $\chi^2/\text{NDF}: 834653.4/17$

Left Out: 0.003 ± 0.000 $\chi^2/\text{NDF}: 394865.4/24$

Right Out: 0.004 ± 0.000 $\chi^2/\text{NDF}: 910773.5/19$

Left In: 0.003 ± 0.000 $\chi^2/\text{NDF}: 286064.1/22$

Left: 0.003 ± 0.000 $\chi^2/\text{NDF}: 682340.4/47$

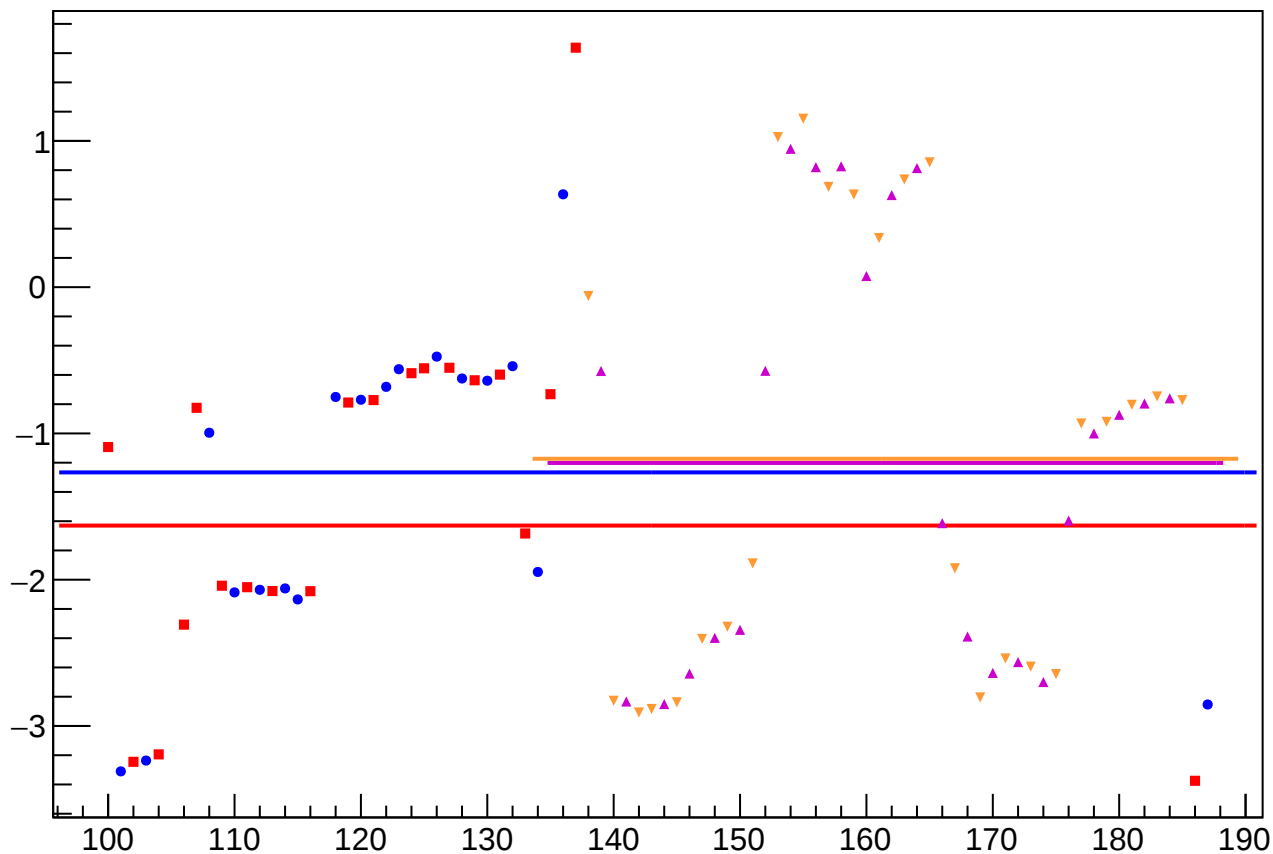
Right: 0.004 ± 0.000 $\chi^2/\text{NDF}: 1765160.7/37$

In: 0.003 ± 0.000 $\chi^2/\text{NDF}: 1159119.3/40$

Out: 0.003 ± 0.000 $\chi^2/\text{NDF}: 1464082.4/44$

All: 0.003 ± 0.000 $\chi^2/\text{NDF}: 2623857.4/85$

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.266+/-0.000

χ^2/NDF : 2105950263.9/17

Left: -1.187+/-0.000

χ^2/NDF : 12490828303.3/47

Left Out: -1.173+/-0.000

χ^2/NDF : 6882684653.2/24

Right: -1.455+/-0.000

χ^2/NDF : 4152923933.2/37

Right Out: -1.630+/-0.000

χ^2/NDF : 1954814672.9/19

In: -1.221+/-0.000

χ^2/NDF : 7716683293.4/40

Out: -1.308+/-0.000

χ^2/NDF : 9050466308.0/44

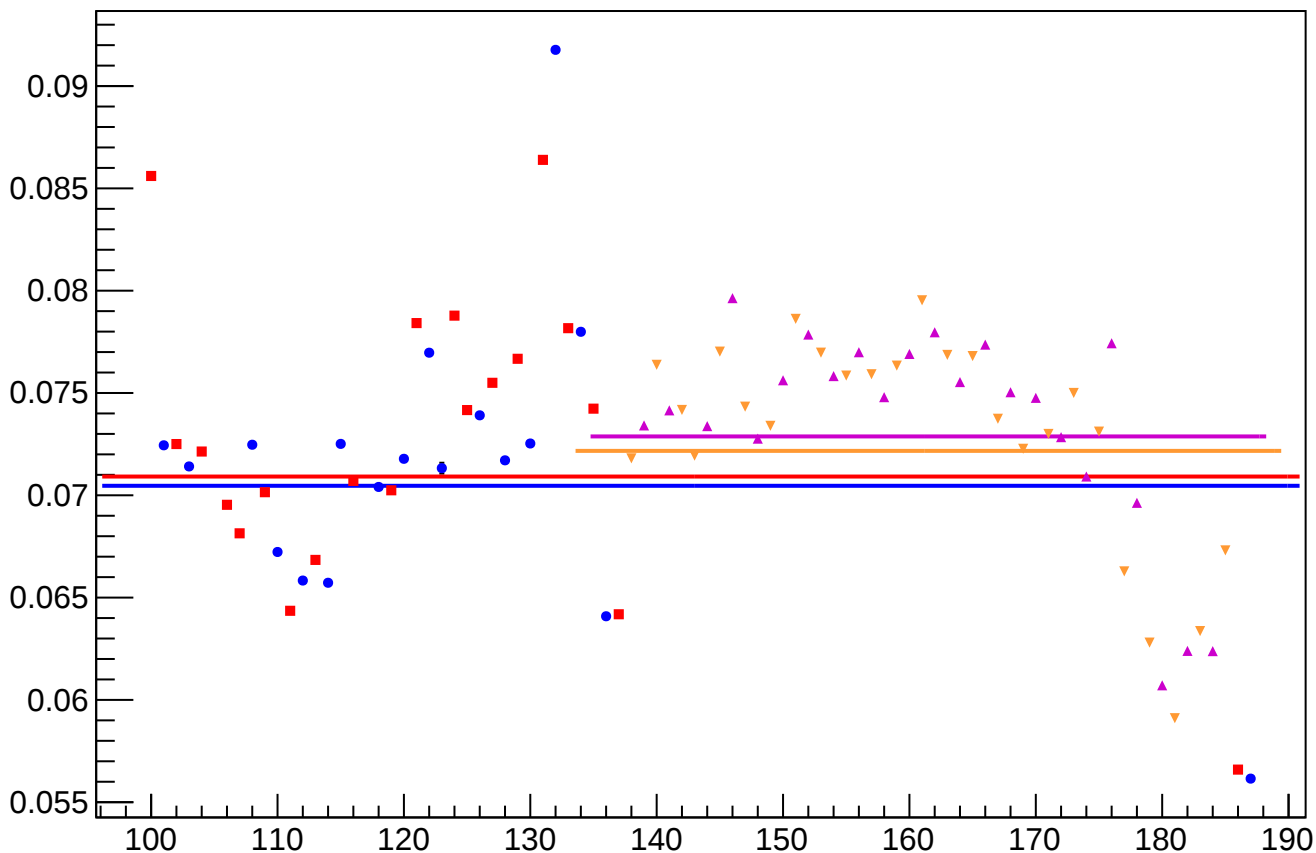
Left In: -1.202+/-0.000

χ^2/NDF : 5606782515.9/22

All: -1.266+/-0.000

χ^2/NDF : 16784969317.8/100

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.070 $\pm$ 0.000 χ^2 /NDF: 95845.8/17

Left Out: 0.072 $\pm$ 0.000 χ^2 /NDF:222263.8/24

Right Out: 0.071 $\pm$ 0.000 χ^2 /NDF: 120064.7/19

Left In: 0.073 $\pm$ 0.000 χ^2 /NDF:183503.0/22

Left: 0.073 $\pm$ 0.000 χ^2 /NDF: 407423.5/47

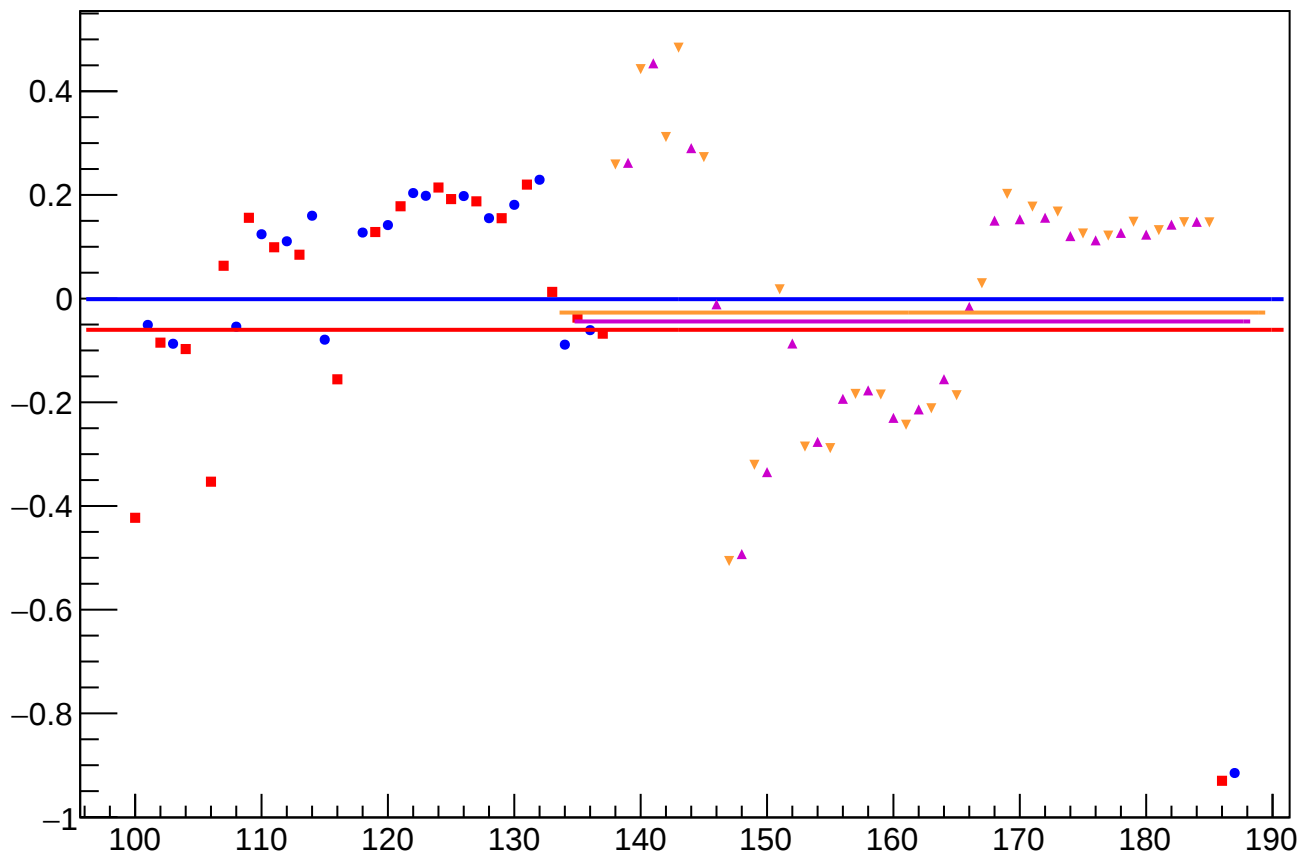
Right: 0.071 $\pm$ 0.000 χ^2 /NDF: 216195.7/37

In: 0.072 $\pm$ 0.000 χ^2 /NDF:290366.4/40

Out: 0.072 $\pm$ 0.000 χ^2 /NDF:345539.1/44

All: 0.072 $\pm$ 0.000 χ^2 /NDF: 636519.7/85

yield_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.000

χ^2/NDF : 1733471191.2/17

Left: -0.035+/-0.000

χ^2/NDF : 36148383394.4/47

Left Out: -0.027+/-0.000

χ^2/NDF : 20376761328.6/24

Right: -0.031+/-0.000

χ^2/NDF : 5235398153.2/37

Right Out: -0.060+/-0.000

χ^2/NDF : 3421421453.5/19

In: -0.039+/-0.000

χ^2/NDF : 17525769020.2/40

Left In: -0.044+/-0.000

χ^2/NDF : 15718556282.1/22

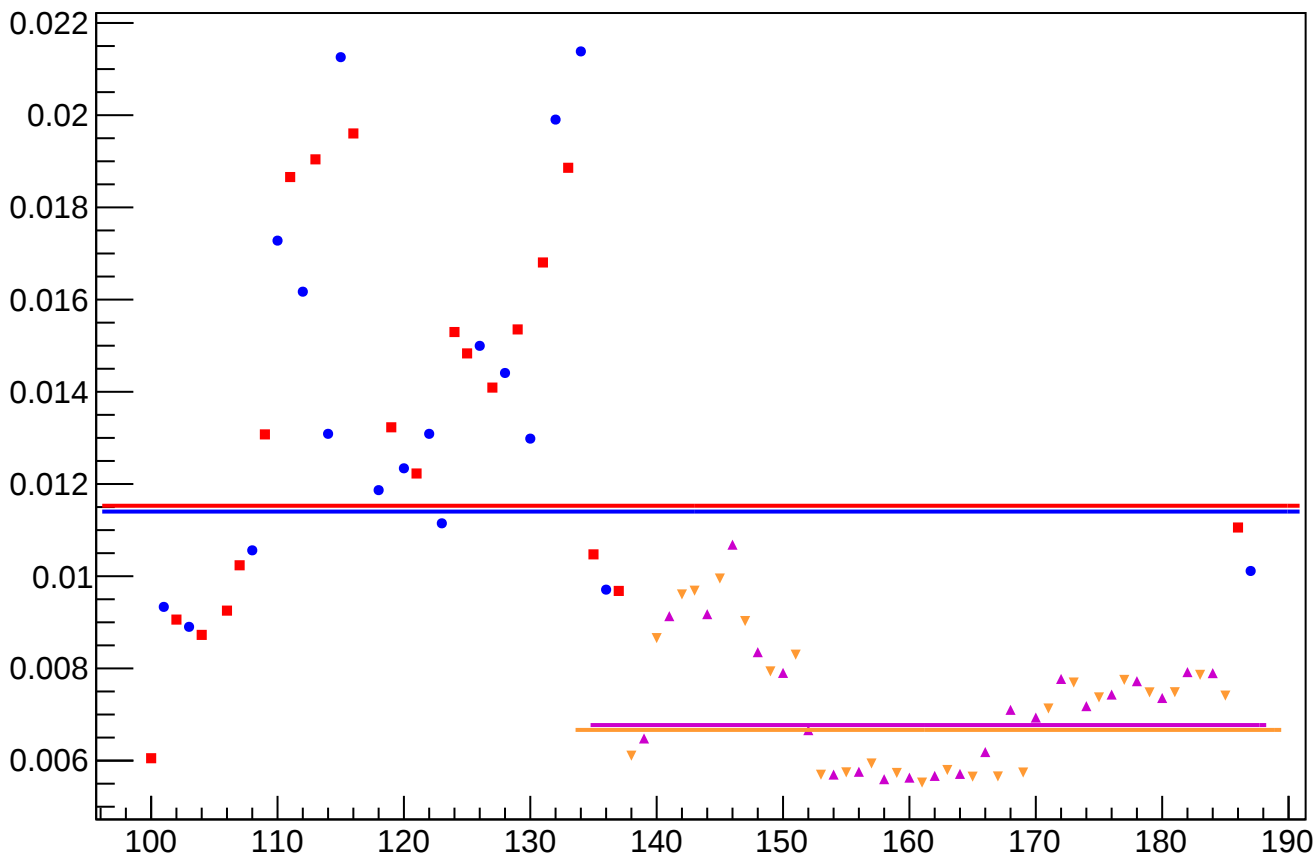
Out: -0.031+/-0.000

χ^2/NDF : 23844540510.2/44

All: -0.035+/-0.000

χ^2/NDF : 41384985983.6/...

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 678392.5/17

Left Out: 0.007+/-0.000 χ^2/NDF :1143768.6/24

Right Out: 0.012+/-0.000 χ^2/NDF : 980603.5/19

Left In: 0.007+/-0.000 χ^2/NDF :934050.3/22

Left: 0.007+/-0.000 χ^2/NDF : 2081836.1/47

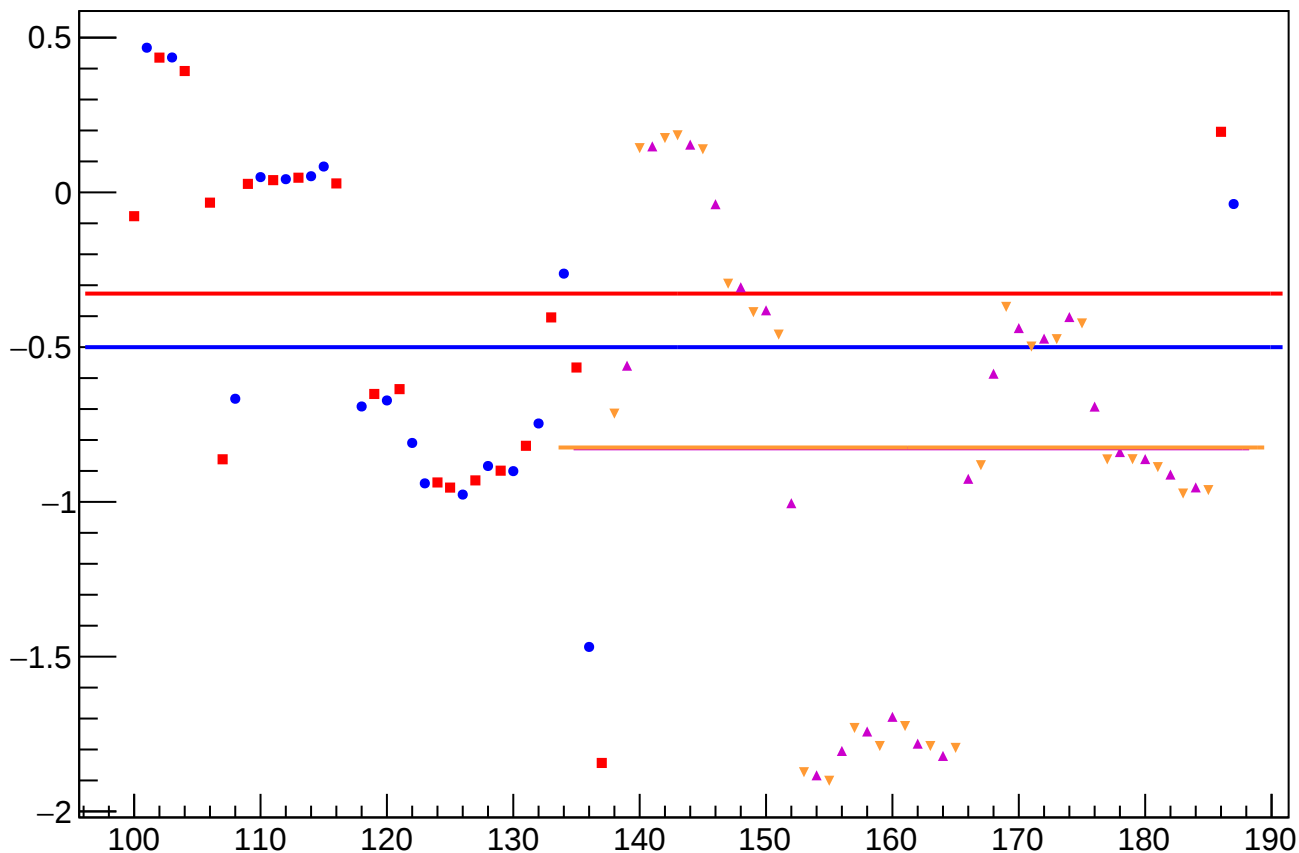
Right: 0.011+/-0.000 χ^2/NDF : 1659733.2/37

In: 0.007+/-0.000 χ^2/NDF :3323826.3/40

Out: 0.007+/-0.000 χ^2/NDF :4104414.9/44

All: 0.007+/-0.000 χ^2/NDF : 7432501.2/85

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.500 ± 0.000 χ^2/NDF : 346429757.8/17

Left Out: -0.824 ± 0.000 χ^2/NDF : 1103610806.5/24

Right Out: -0.327 ± 0.000 χ^2/NDF : 294345929.8/19

Left In: -0.827 ± 0.000 χ^2/NDF : 921651117.3/22

Left: -0.826 ± 0.000 χ^2/NDF : 2025270716.0/47

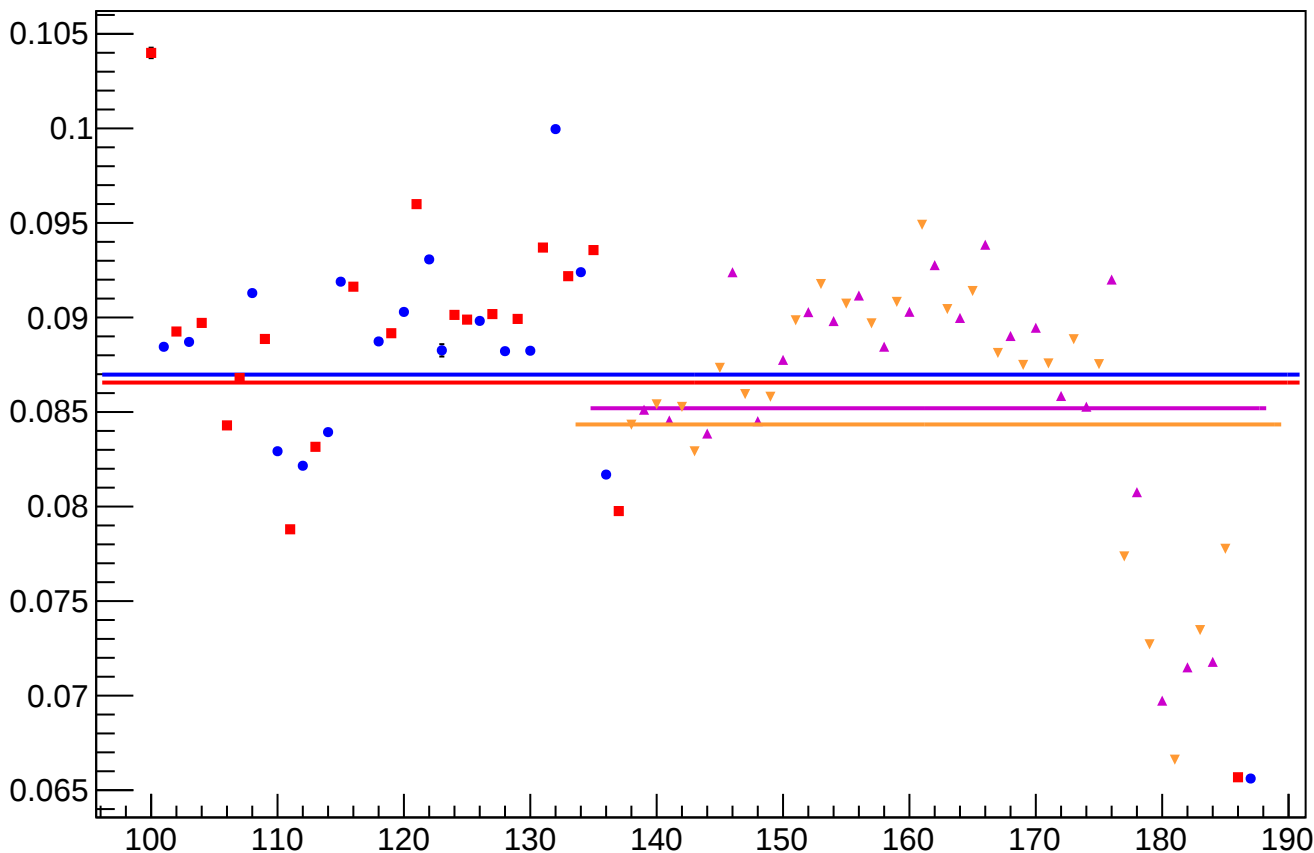
Right: -0.409 ± 0.000 χ^2/NDF : 654880263.4/37

In: -0.737 ± 0.000 χ^2/NDF : 1337560175.0/40

Out: -0.685 ± 0.000 χ^2/NDF : 1574217063.1/44

All: -0.710 ± 0.000 χ^2/NDF : 2916241797.8/8

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.087 $\pm$ 0.000 χ^2 /NDF: 67822.9/17

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF:288312.6/24

Right Out: 0.087 $\pm$ 0.000 χ^2 /NDF: 123219.9/19

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

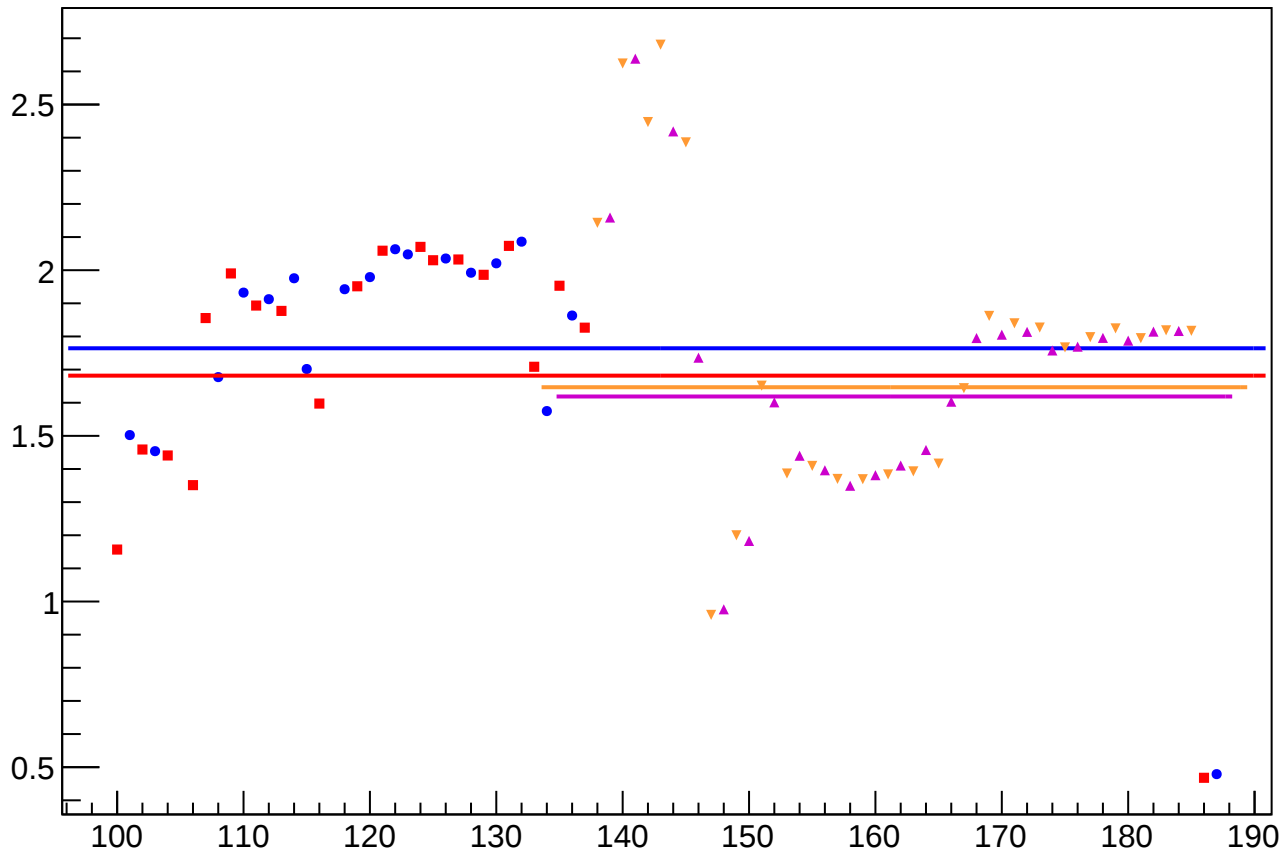
Right: 0.087 $\pm$ 0.000 χ^2 /NDF: 191209.1/37

In: 0.086 $\pm$ 0.000 χ^2 /NDF:310253.5/40

Out: 0.085 $\pm$ 0.000 χ^2 /NDF:418529.4/44

All: 0.085 $\pm$ 0.000 χ^2 /NDF: 730588.0/85

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.764 $\pm$ 0.000 χ^2 /NDF: 2518137277.4/17

Left Out: 1.647 $\pm$ 0.000 χ^2 /NDF: 26535241545.7/24

Right Out: 1.682 $\pm$ 0.000 χ^2 /NDF: 4415456782.7/19

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

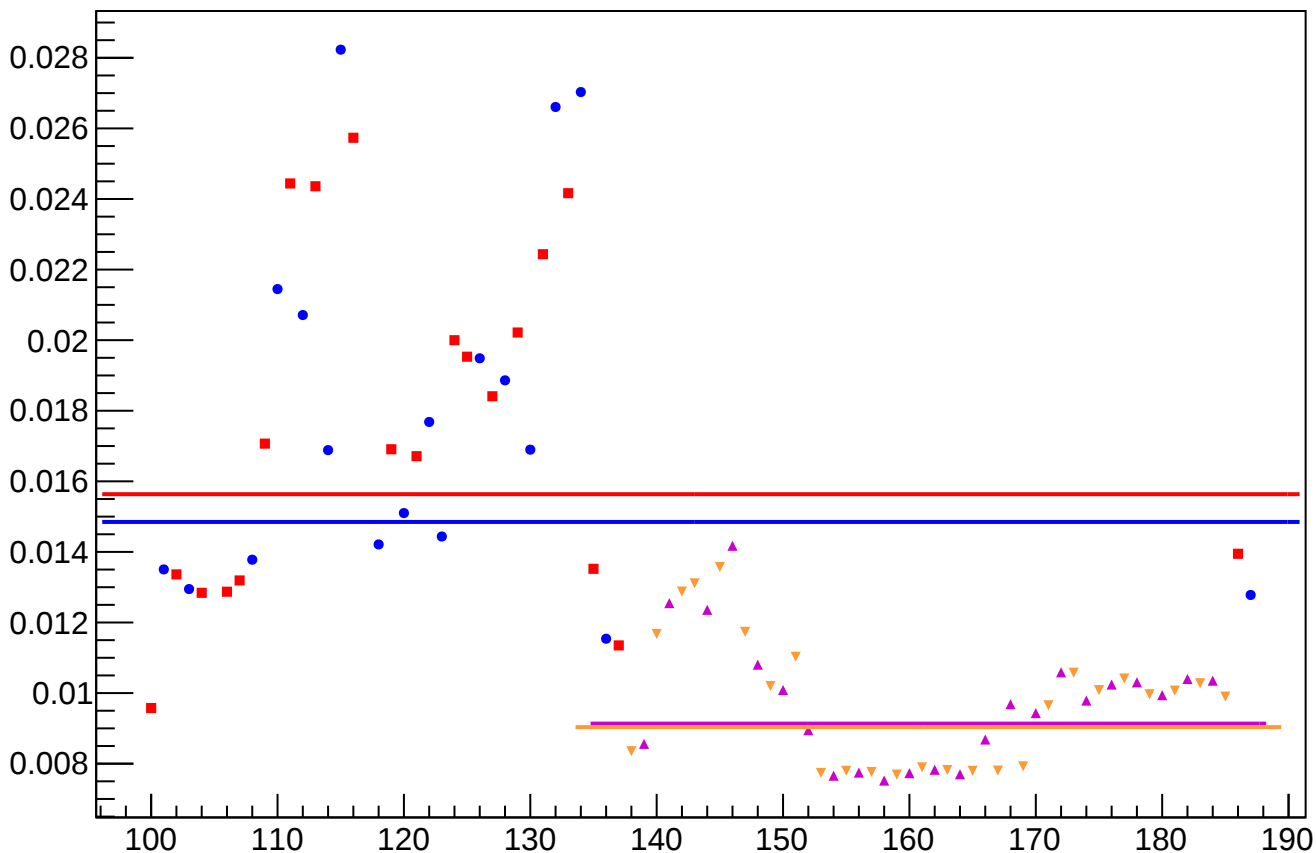
Right: 1.724 $\pm$ 0.000 χ^2 /NDF: 7023231565.7/37

In: 1.637 $\pm$ 0.000 χ^2 /NDF: 23630650160.5/40

Out: 1.651 $\pm$ 0.000 χ^2 /NDF: 30978911210.0/44

All: 1.644 $\pm$ 0.000 χ^2 /NDF: 54632033395.2/8

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF : 645097.9/17

Left Out: 0.009+/-0.000 χ^2/NDF :1042871.8/24

Right Out: 0.016+/-0.000 χ^2/NDF : 780807.2/19

Left In: 0.009+/-0.000 χ^2/NDF :878356.2/22

Left: 0.009+/-0.000 χ^2/NDF : 1923188.0/47

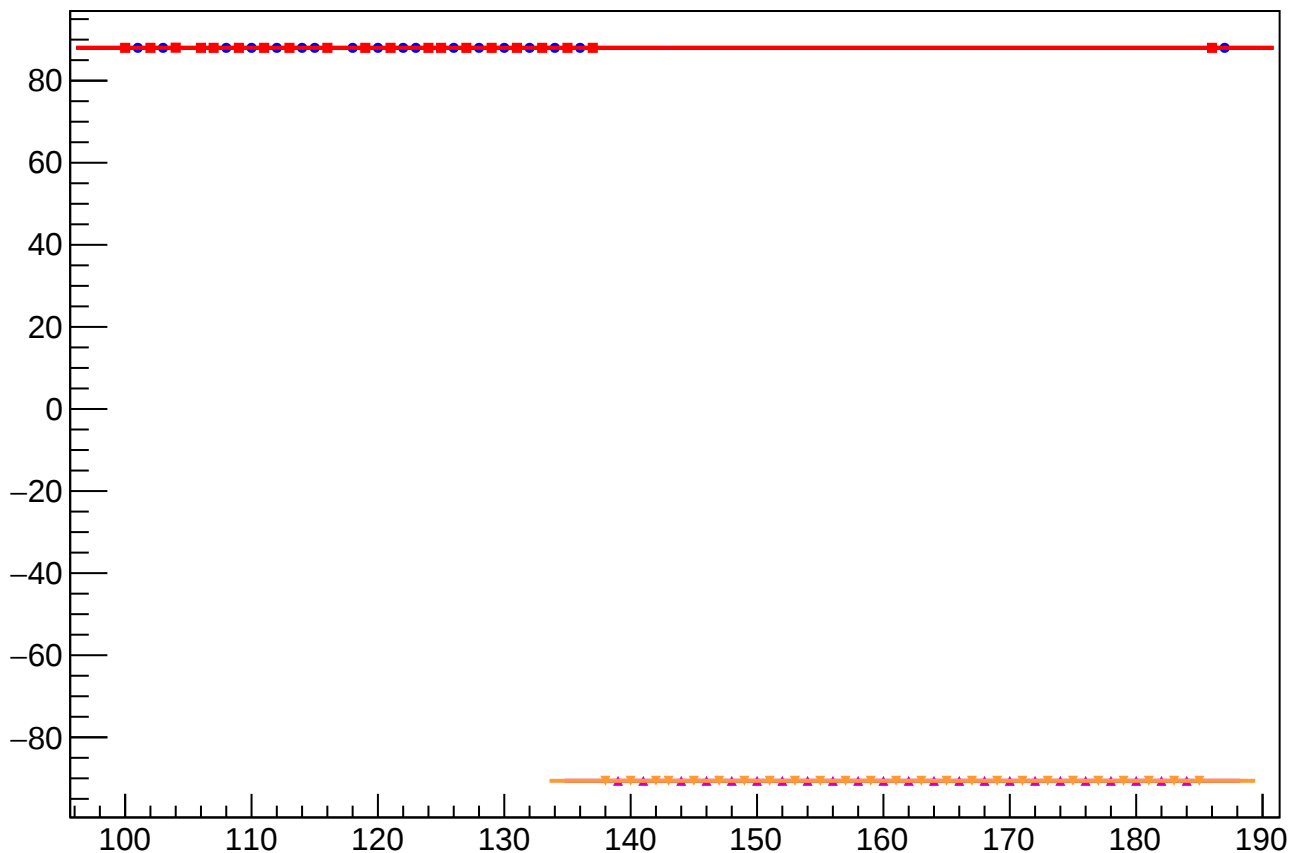
Right: 0.015+/-0.000 χ^2/NDF : 1442155.8/37

In: 0.010+/-0.000 χ^2/NDF :3047943.3/40

Out: 0.010+/-0.000 χ^2/NDF :3835561.5/44

All: 0.010+/-0.000 χ^2/NDF : 6884415.7/85

epics_VWienAngles_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF : 1908412.3/17

Left Out: -90.599+/-0.000 χ^2/NDF : 5785821.4/24

Right Out: 88.003+/-0.000 χ^2/NDF : 77825816610267046188240863232.0/19

Left In: -90.599+/-0.000 χ^2/NDF : 7134230.8/22

Left: -90.599+/-0.000 χ^2/NDF : 11903242.1/47

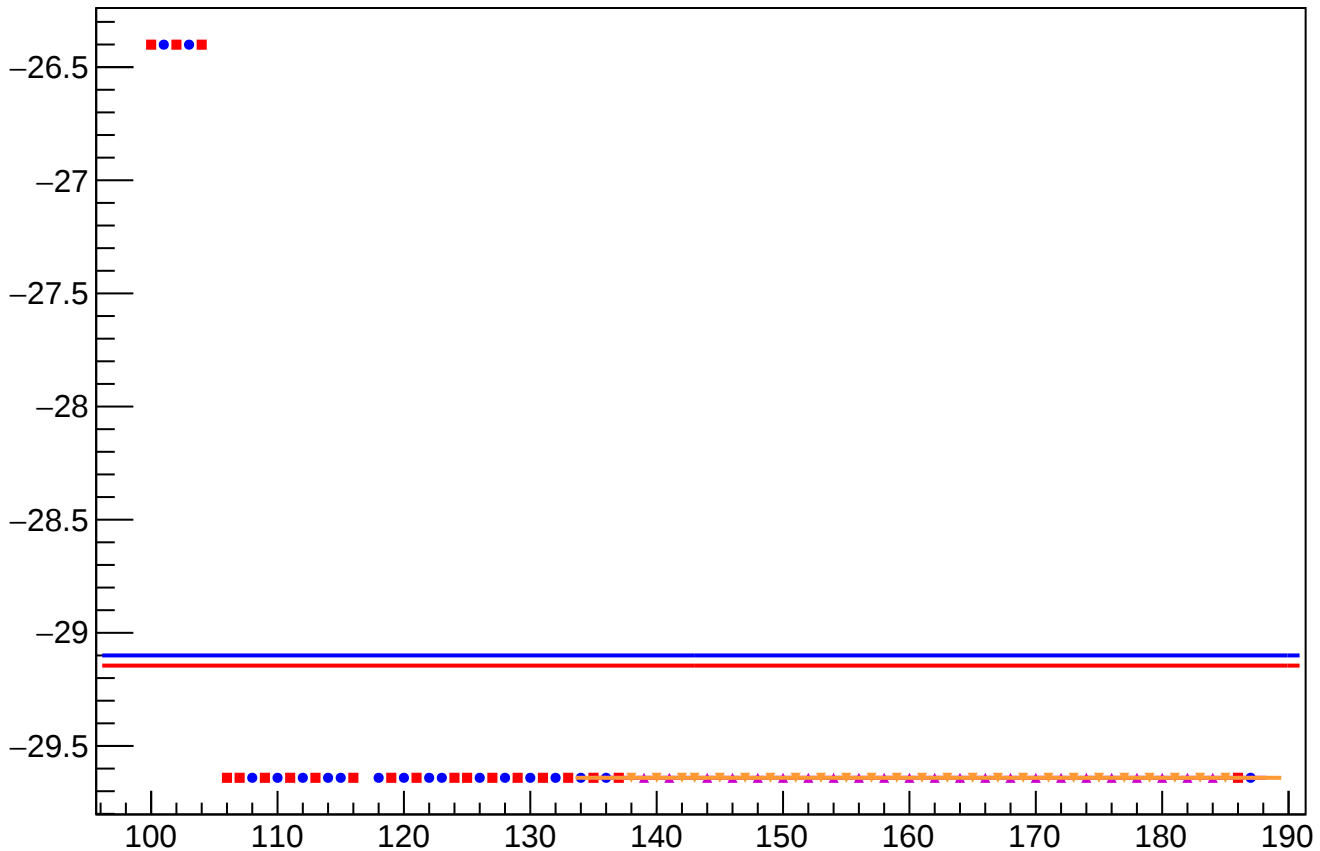
Right: 88.002+/-0.000 χ^2/NDF : 8053511124996272

In: -40.152+/-0.000 χ^2/NDF : 16181836382389108

Out: -39.762+/-0.000 χ^2/NDF : 1729693548296503

All: -39.951+/-0.000 χ^2/NDF : 334789682977

epics_HWienAngles_mean vs Slug, Sign Corrected



Right In: -29.100+/-0.000

χ^2/NDF : 1031971987553053630823669453291520.0/17

Left Out: -29.641+/-0.000

χ^2/NDF : 530354.3/24

Right Out: -29.145+/-0.000

χ^2/NDF : 1031368426385232524829032009695232.0/19

Left In: -29.641+/-0.000

χ^2/NDF : 382603.8/22

Left: -29.641+/-0.000 χ^2/NDF : 741150.6/47

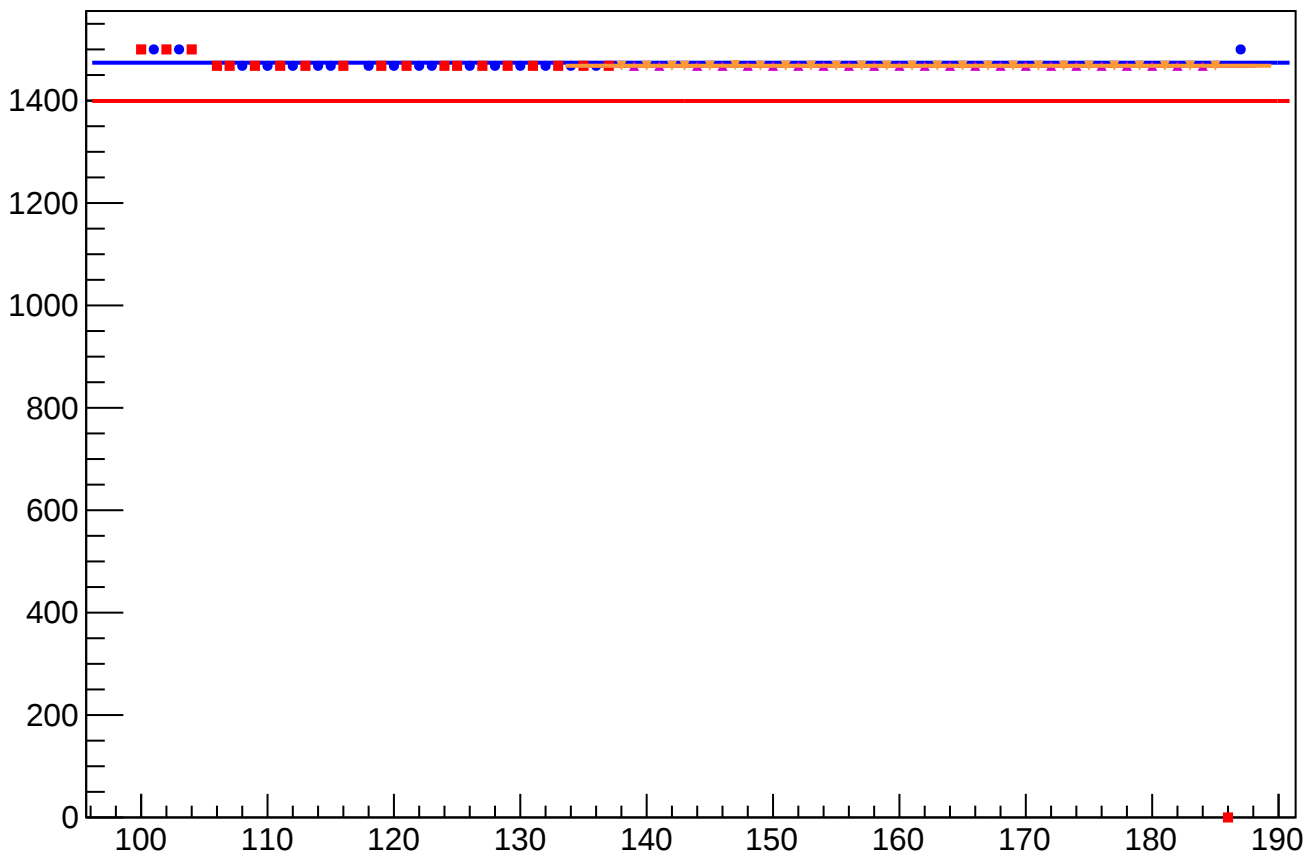
Right: -29.123+/-0.000 χ^2/NDF : 206407895590445

In: -29.488+/-0.000 χ^2/NDF : 11803194438673451

Out: -29.500+/-0.000 χ^2/NDF : 1164677775140793

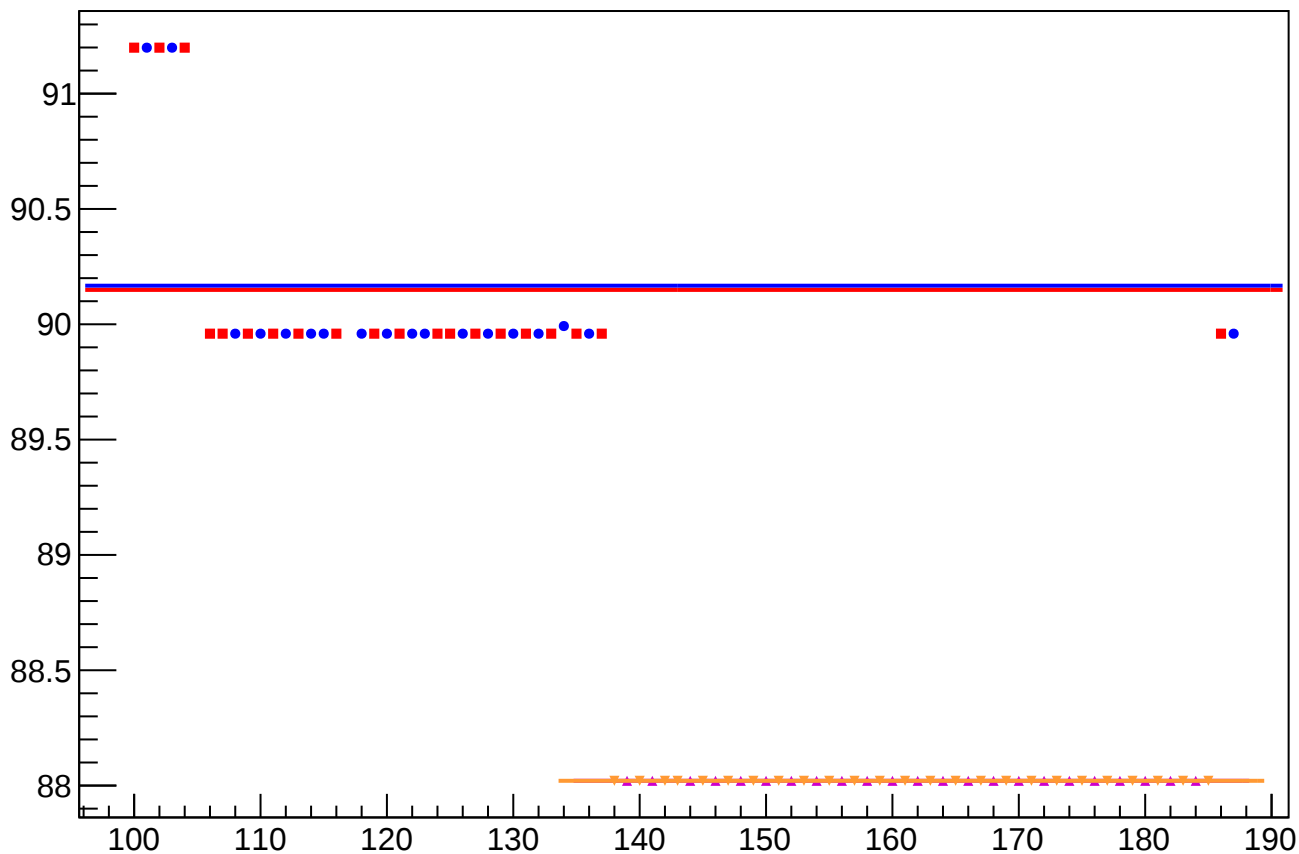
All: -29.494+/-0.000 χ^2/NDF : 234517115540

epics_psub_pl_poss_mean vs Slug, Sign Corrected



Right In: 1474.048+/-0.000 χ^2/NDF : 111357842324780376652682384807821312.0/17
 Left Out: 1468.048+/-0.000 χ^2/NDF : 127949199501977668488138456039424.0/24
 Right Out: 1399.288+/-0.000 χ^2/NDF : 78429829645423881874217030841702285312.0/19
 Left In: 1467.994+/-0.000 χ^2/NDF : 144497772795444989723550941184.0/22
 All: 1458.761+/-0.000 χ^2/NDF : 81705060076

epics_Phi_FGs_mean vs Slug, Sign Corrected



Right In: 90.167+/-0.000

χ^2/NDF : 150889545922426711882929765613568.0/17

Left Out: 88.021+/-0.000

χ^2/NDF : 5679798.5/24

Right Out: 90.149+/-0.000

χ^2/NDF : 151066157255966494669604044931072.0/19

Left In: 88.021+/-0.000

χ^2/NDF : 6257169.0/22

Left: 88.021+/-0.000 χ^2/NDF : 13134723.4/47

Right: 90.158+/-0.000

χ^2/NDF : 3020765814287713

In: 88.627+/-0.000

χ^2/NDF : 24883302194746245

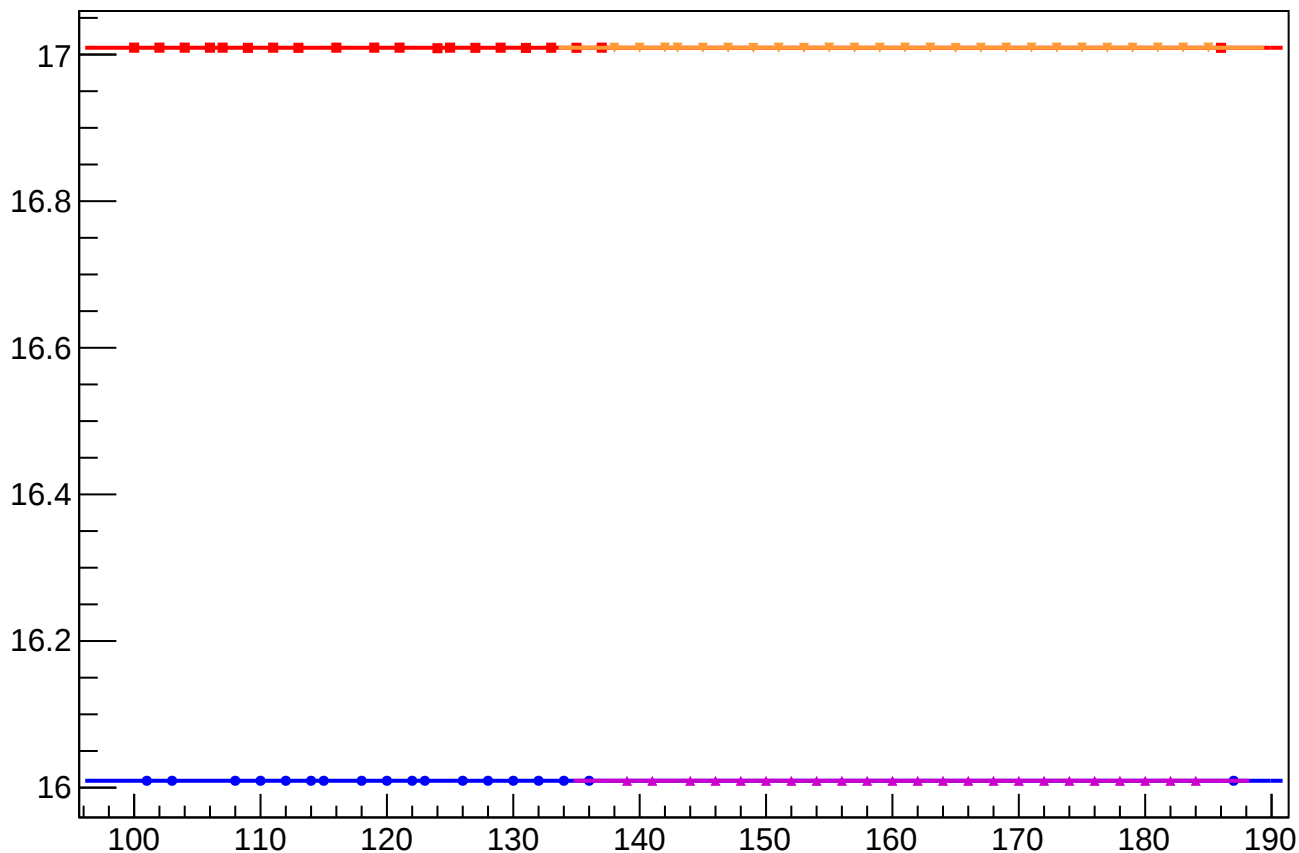
Out: 88.627+/-0.000

χ^2/NDF : 26073676877806105

All: 88.627+/-0.000

χ^2/NDF : 5095698222222

epics_IGL1I00DI24_24Ms_mean vs Slug, Sign Corrected



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 46713.2/17

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 26194929080144976634970112.0/24

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 12979914921503733711896576.0/19

Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 127920993667935400624128.0/22

Left: 16.524 $\pm$ 0.000 χ^2 /NDF: 85855870772921272

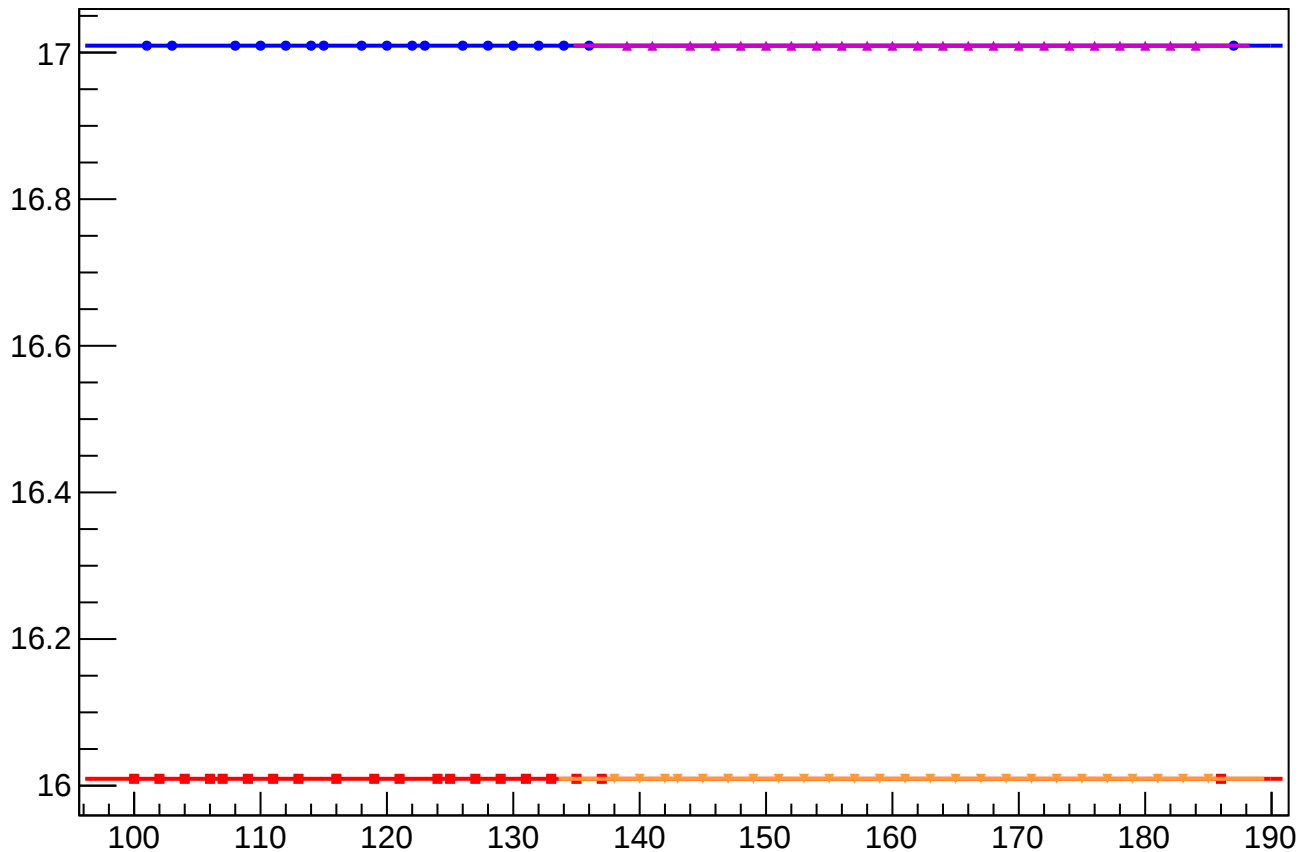
Right: 16.515 $\pm$ 0.000 χ^2 /NDF: 3413867635543097

In: 16.009 $\pm$ 0.000 χ^2 /NDF: 129607684512455547

Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 39249191091324572

All: 16.522 $\pm$ 0.000 χ^2 /NDF: 1200024121670

epics_IGL1I00OD16_16s_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF : 120007.8/17

Left Out: 16.009+/-0.000 χ^2/NDF : 61253.5/24

Right Out: 16.009+/-0.000 χ^2/NDF : 39556.6/19

Left In: 17.009+/-0.000 χ^2/NDF : 114986101427233622065152.0/22

Left: 16.491+/-0.000 χ^2/NDF : 90683349233974458

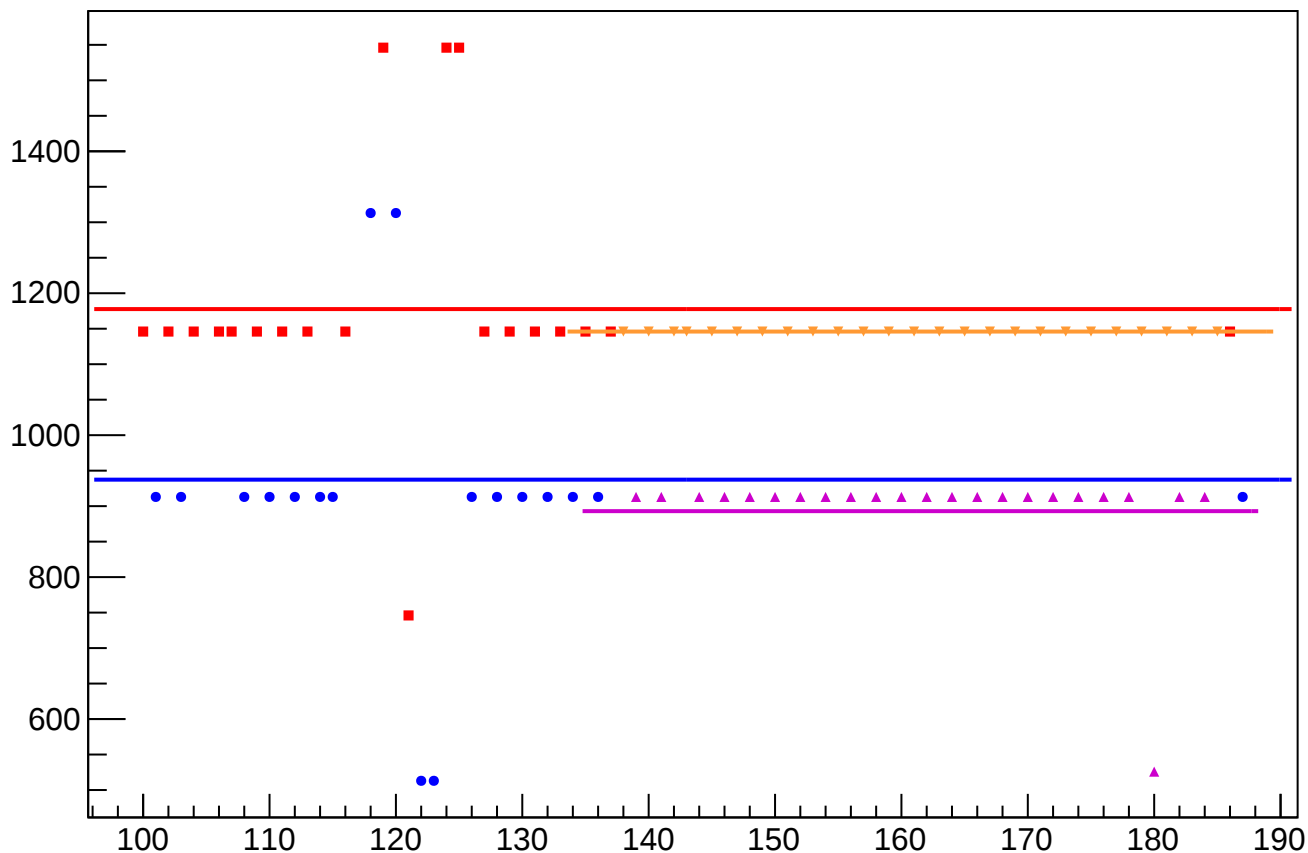
Right: 16.483+/-0.000 χ^2/NDF : 3554873772790866

In: 17.009+/-0.000 χ^2/NDF : 116537869754894875

Out: 16.009+/-0.000 χ^2/NDF : 311492.8/44

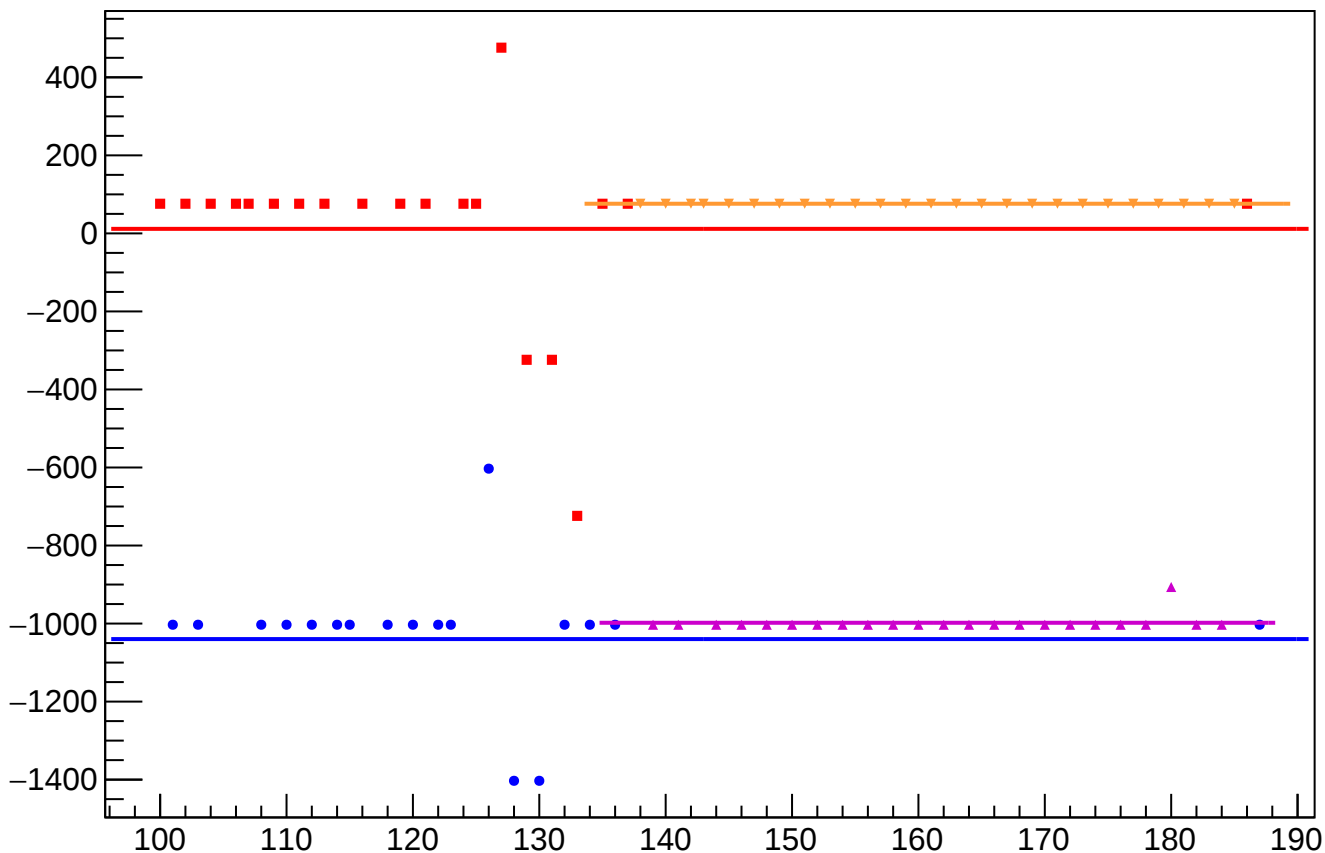
All: 16.489+/-0.000 χ^2/NDF : 1262399278489

epics_RTPAPOSUCNTs_mean vs Slug, Sign Corrected



Right In: 937.323+/-0.000 χ^2/NDF : 20862888511214490429560050003065438208.0/17
 Left Out: 1146.011+/-0.000 χ^2/NDF : 805683.4670270133849999540224.0/24
 Right Out: 1177.672+/-0.000 χ^2/NDF : 213208.0/19
 Left In: 892.950+/-0.000 χ^2/NDF : 13213852485930520518972295012897783808.0/22
 All: 1034.118+/-0.000 χ^2/NDF : 13728425739

epics_RTPAPOSVCNTs_mean vs Slug, Sign Corrected



Right In: -1039.764+/-0.000 χ^2/NDF : 22243510961945917813639904030214848512.0/17
 Left Out: 76.011+/-0.000 χ^2/NDF : 11479003589933272170007363584.0/24
 Right Out: 11.630+/-0.000 χ^2/NDF : 43897956164204836843302096707514269696.0/19
 Left In: -997.979+/-0.000 χ^2/NDF : 825858066518991041870194619245920256.0/22
 All: -459.517+/-0.000 χ^2/NDF : 15403348677