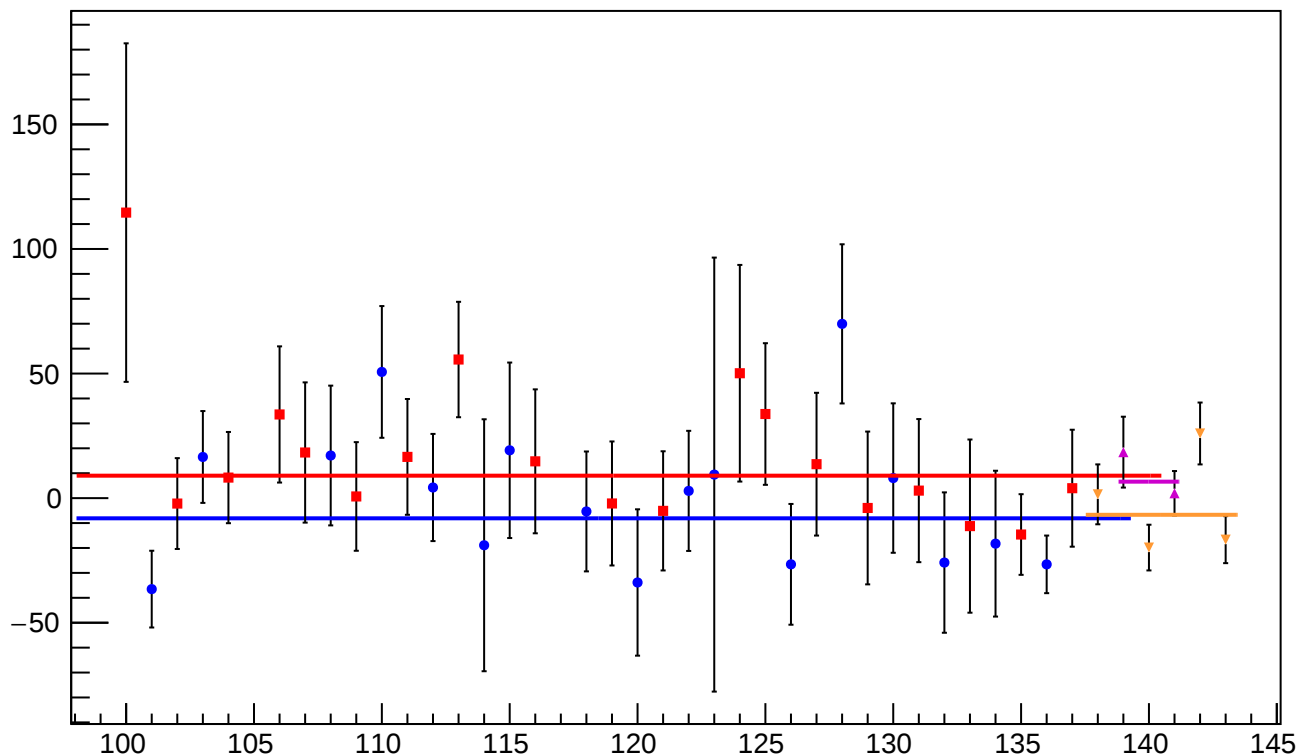


diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -8.097 ± 5.619

$\chi^2/\text{NDF}: 22.9/16$

Left Out: -6.686 ± 5.232

$\chi^2/\text{NDF}: 10.6/3$

Right Out: 9.015 ± 5.687

$\chi^2/\text{NDF}: 13.0/18$

Left In: 6.616 ± 7.557

$\chi^2/\text{NDF}: 1.0/1$

Left: -2.376 ± 4.302

$\chi^2/\text{NDF}: 13.6/5$

Right: 0.356 ± 3.997

$\chi^2/\text{NDF}: 40.5/35$

In: -2.858 ± 4.509

$\chi^2/\text{NDF}: 26.3/18$

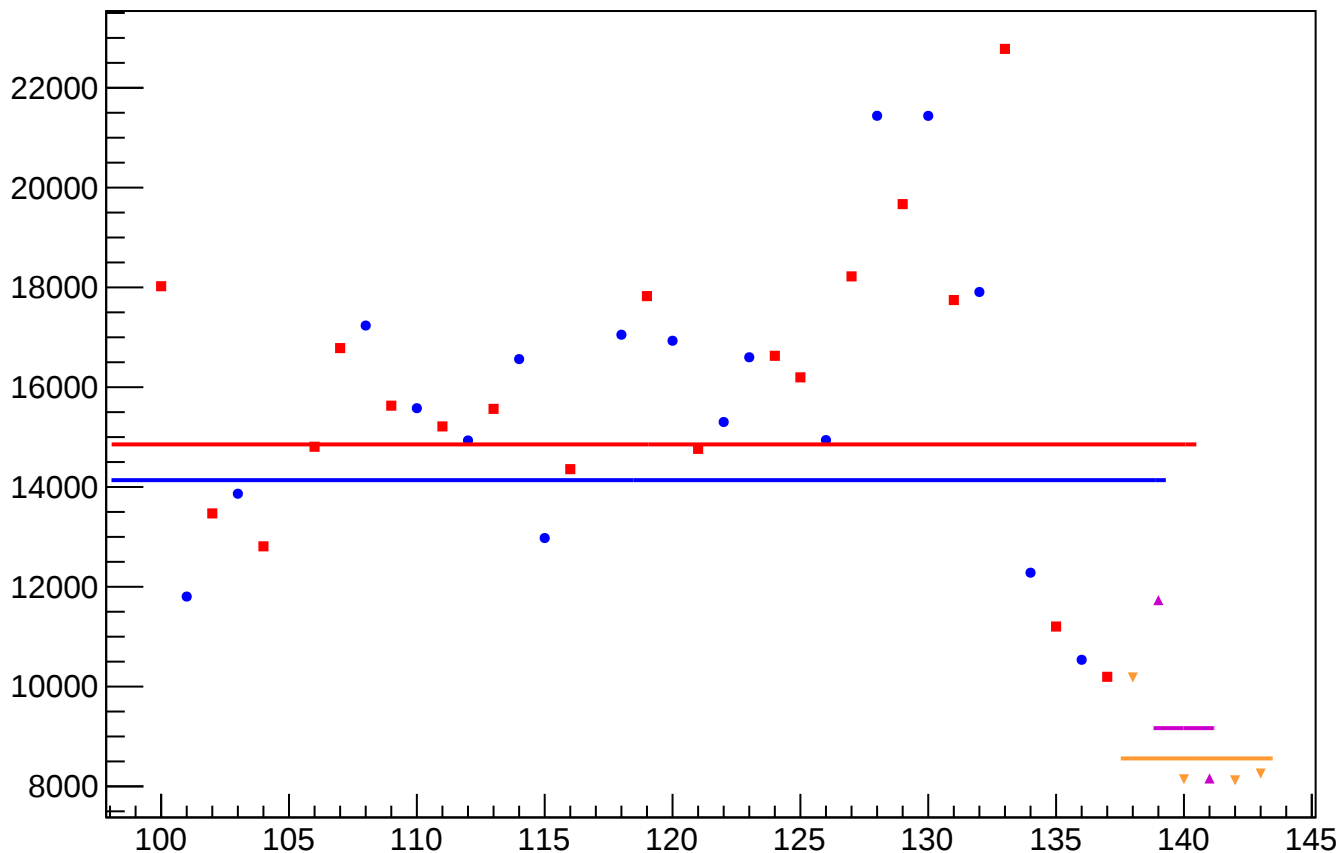
Out: 0.511 ± 3.850

$\chi^2/\text{NDF}: 27.7/22$

All: -0.910 ± 2.928

$\chi^2/\text{NDF}: 54.3/41$

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14137.038+/-3.974 χ^2/NDF : 603041.9/16

Left Out: 8560.061+/-3.699 χ^2/NDF : 45192.7/3

Right Out: 14853.365+/-4.022 χ^2/NDF : 473842.5/18

Left In: 9167.323+/-5.344 χ^2/NDF : 90638.1/1

Left: 8756.808+/-3.042 χ^2/NDF : 144560.8/5

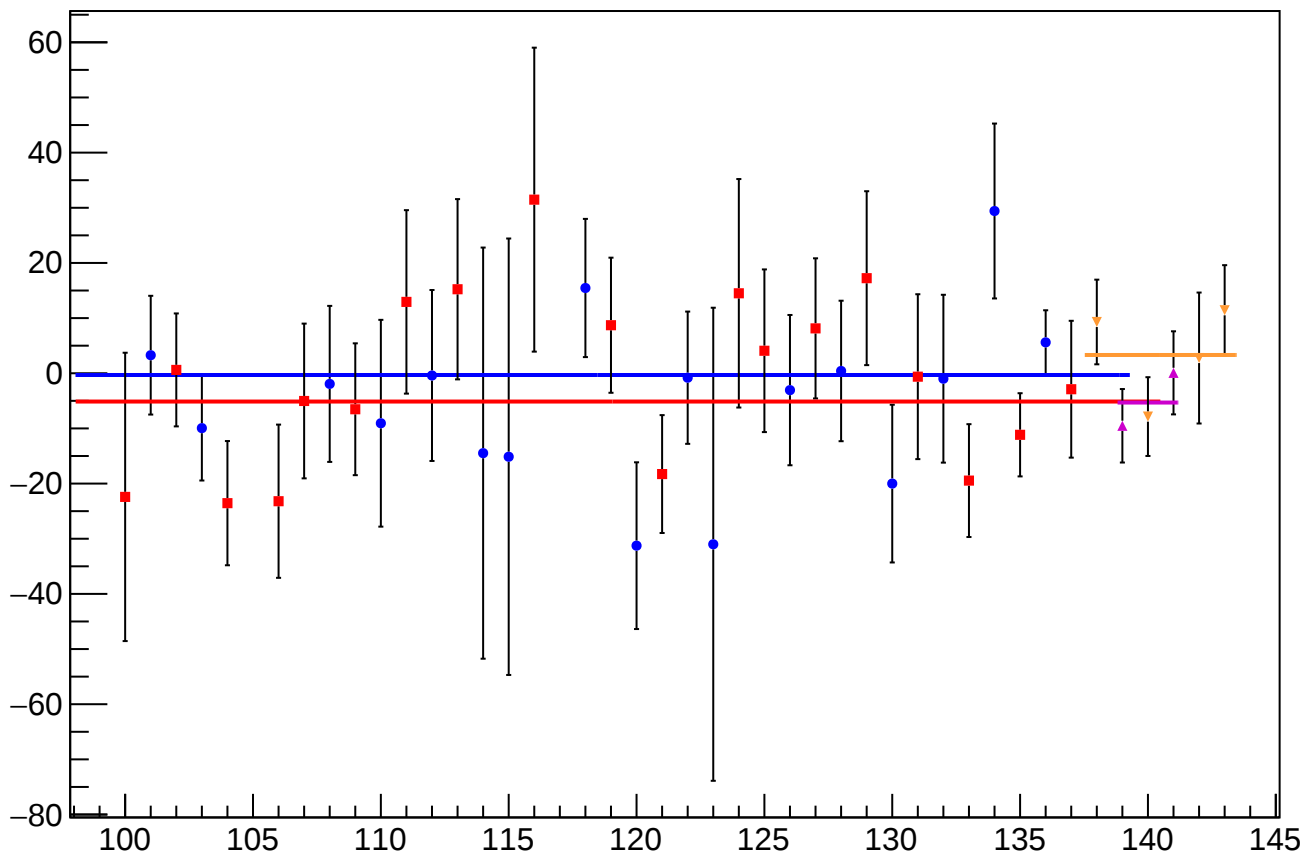
Right: 14490.905+/-2.827 χ^2/NDF : 1092938.6/35

In: 12367.530+/-3.189 χ^2/NDF : 1250636.1/18

Out: 11444.624+/-2.723 χ^2/NDF : 1845483.5/22

All: 11833.774+/-2.071 χ^2/NDF : 3144569.3/4

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.315 $\pm$ 3.077 χ^2/NDF : 14.4/16

Left Out: 3.314 $\pm$ 4.129 χ^2/NDF : 4.0/3

Right Out: -5.127 $\pm$ 2.942 χ^2/NDF : 19.5/18

Left In: -5.310 $\pm$ 4.990 χ^2/NDF : 0.9/1

Left: -0.191 $\pm$ 3.181 χ^2/NDF : 6.7/5

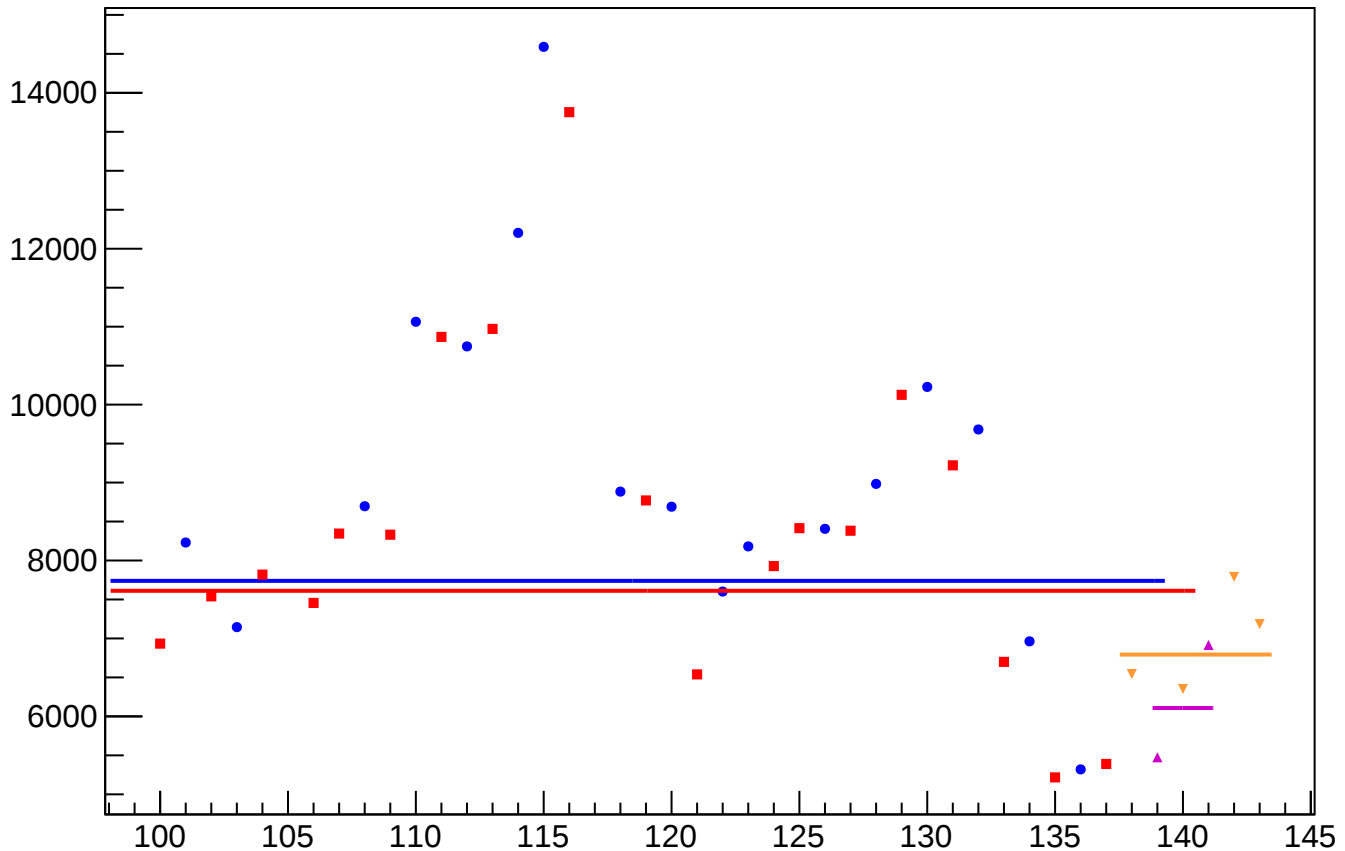
Right: -2.829 $\pm$ 2.126 χ^2/NDF : 35.3/35

In: -1.691 $\pm$ 2.619 χ^2/NDF : 16.1/18

Out: -2.285 $\pm$ 2.396 χ^2/NDF : 26.4/22

All: -2.014 $\pm$ 1.768 χ^2/NDF : 42.5/41

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7738.934+/-2.176 χ^2/NDF : 740969.1/16

Left Out: 6793.474+/-2.920 χ^2/NDF : 28417.8/3

Right Out: 7611.390+/-2.080 χ^2/NDF : 683263.4/18

Left In: 6107.832+/-3.528 χ^2/NDF : 41086.6/1

Left: 6514.798+/-2.249 χ^2/NDF : 91917.6/5

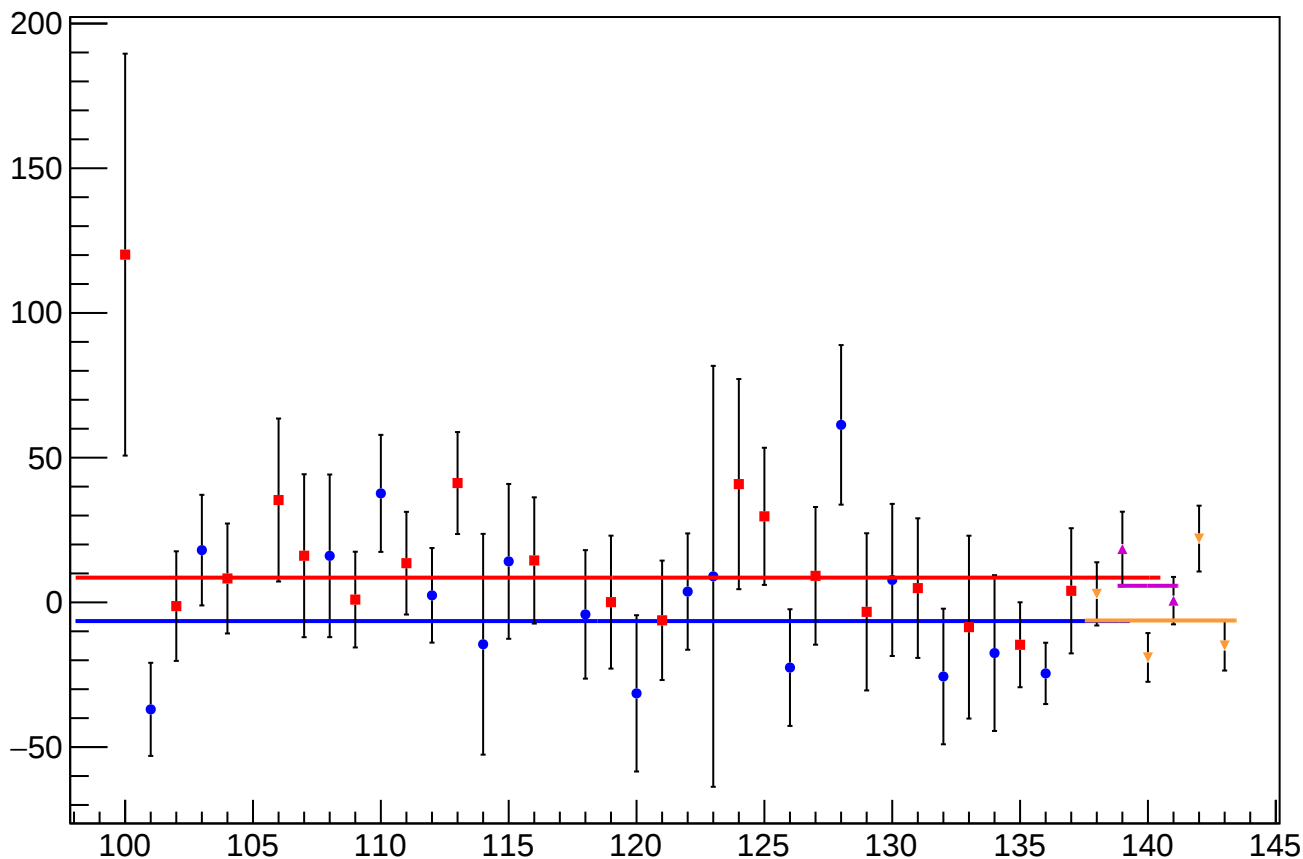
Right: 7672.308+/-1.504 χ^2/NDF : 1426027.8/35

In: 7289.610+/-1.852 χ^2/NDF : 936889.5/18

Out: 7335.976+/-1.694 χ^2/NDF : 763730.8/22

All: 7314.850+/-1.250 χ^2/NDF : 1700961.6/41

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.463 $\pm$ 5.029 χ^2/NDF : 23.5/16

Left Out: -6.256 $\pm$ 4.790 χ^2/NDF :10.2/3

Right Out: 8.548 $\pm$ 5.009 χ^2/NDF : 12.9/18

Left In: 5.732 $\pm$ 6.915 χ^2/NDF :1.4/1

Left: -2.370 $\pm$ 3.938 χ^2/NDF : 13.6/5

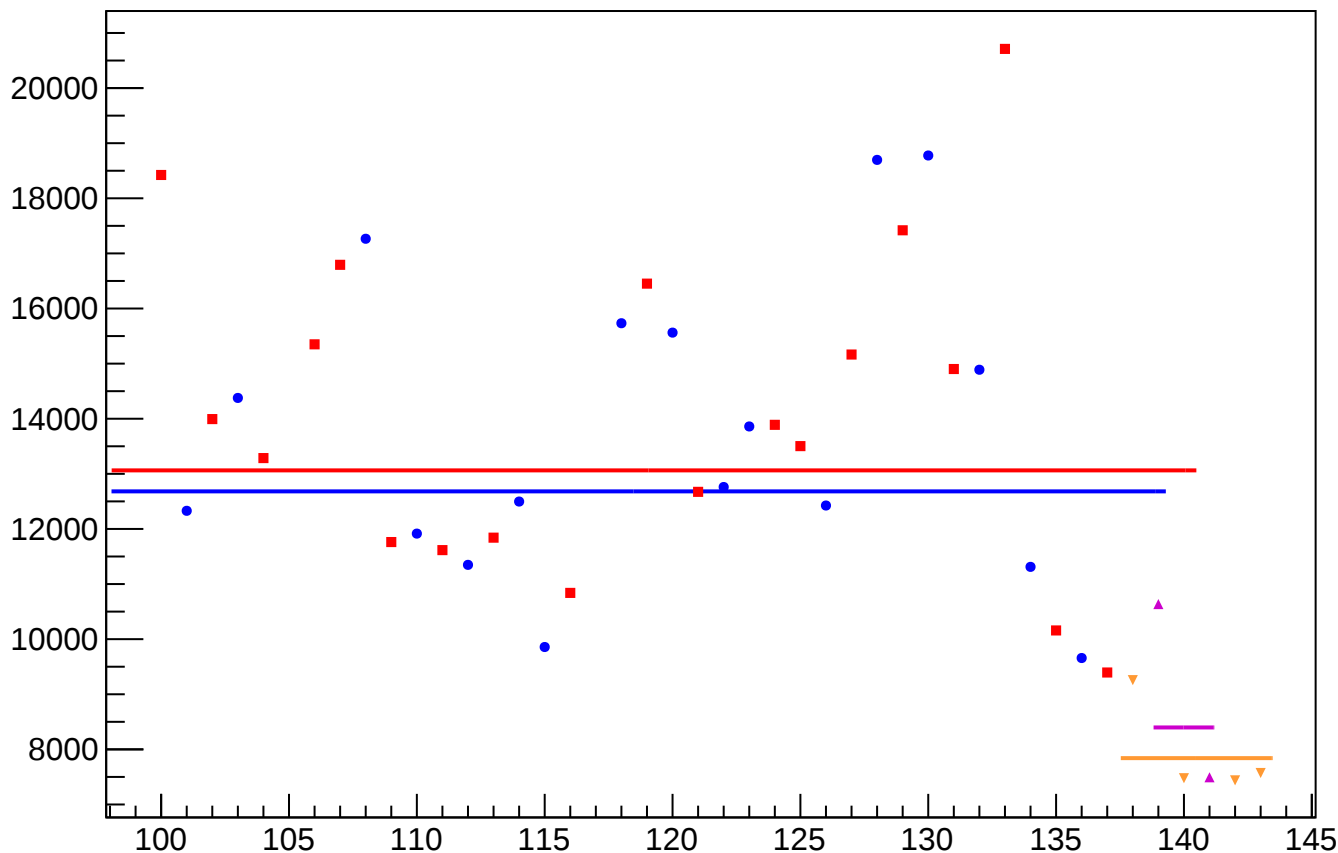
Right: 1.072 $\pm$ 3.549 χ^2/NDF : 40.9/35

In: -2.245 $\pm$ 4.067 χ^2/NDF :26.9/18

Out: 0.815 $\pm$ 3.462 χ^2/NDF :27.7/22

All: -0.470 $\pm$ 2.636 χ^2/NDF : 54.9/41

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12681.868 $\pm$ 3.556 χ^2 /NDF: 558641.1/16

Left Out: 7841.046 $\pm$ 3.387 χ^2 /NDF: 41769.7/3

Right Out: 13062.676 $\pm$ 3.542 χ^2 /NDF: 499222.2/18

Left In: 8397.782 $\pm$ 4.890 χ^2 /NDF: 84640.6/1

Left: 8021.554 $\pm$ 2.784 χ^2 /NDF: 135170.0/5

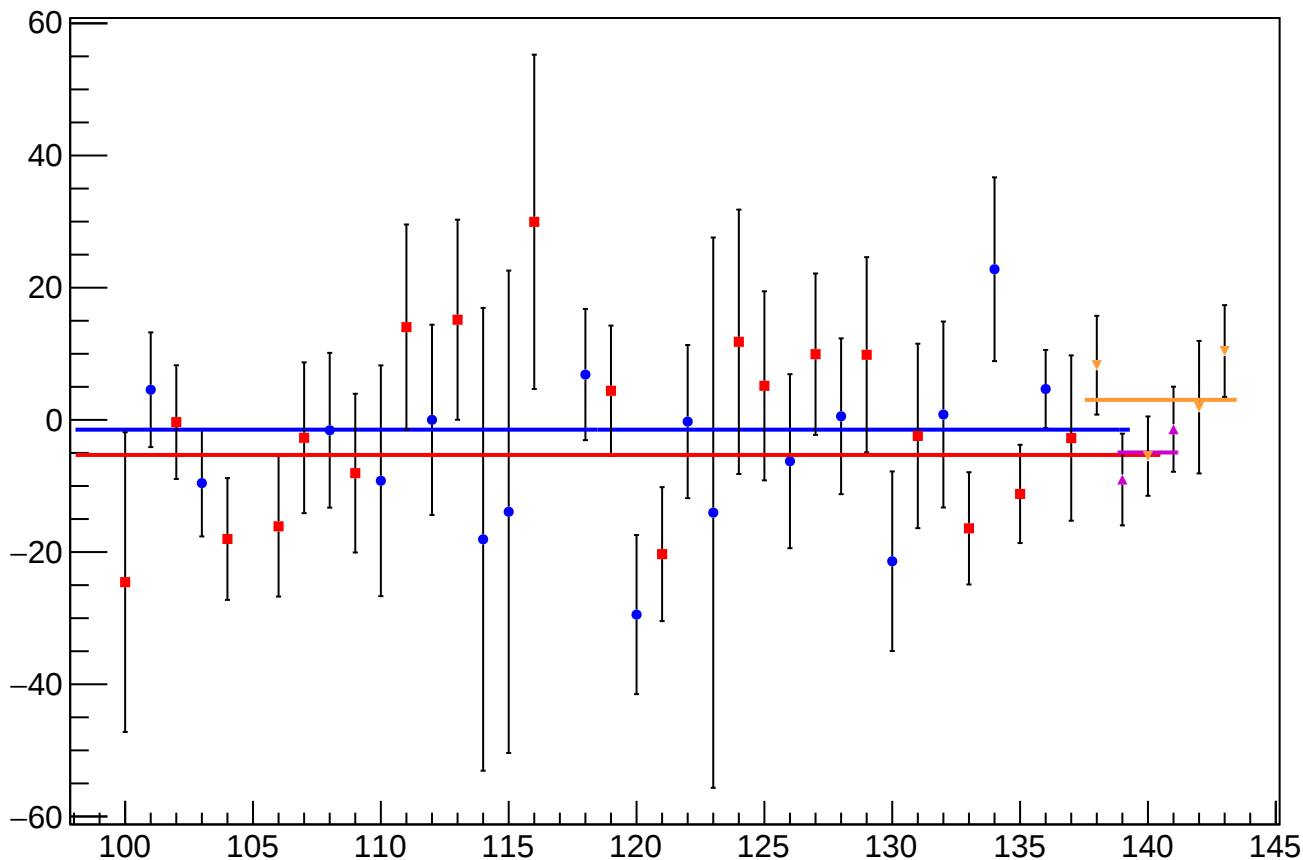
Right: 12873.023 $\pm$ 2.509 χ^2 /NDF: 1063620.9/35

In: 11200.150 $\pm$ 2.876 χ^2 /NDF: 1145363.9/18

Out: 10335.396 $\pm$ 2.448 χ^2 /NDF: 1676293.0/22

All: 10698.709 $\pm$ 1.864 χ^2 /NDF: 2874088.9/4

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.477 ± 2.795 χ^2/NDF : 14.7/16

Left Out: 3.028 ± 3.619 χ^2/NDF : 3.6/3

Right Out: -5.307 ± 2.645 χ^2/NDF : 18.9/18

Left In: -4.930 ± 4.719 χ^2/NDF : 0.6/1

Left: 0.081 ± 2.872 χ^2/NDF : 6.1/5

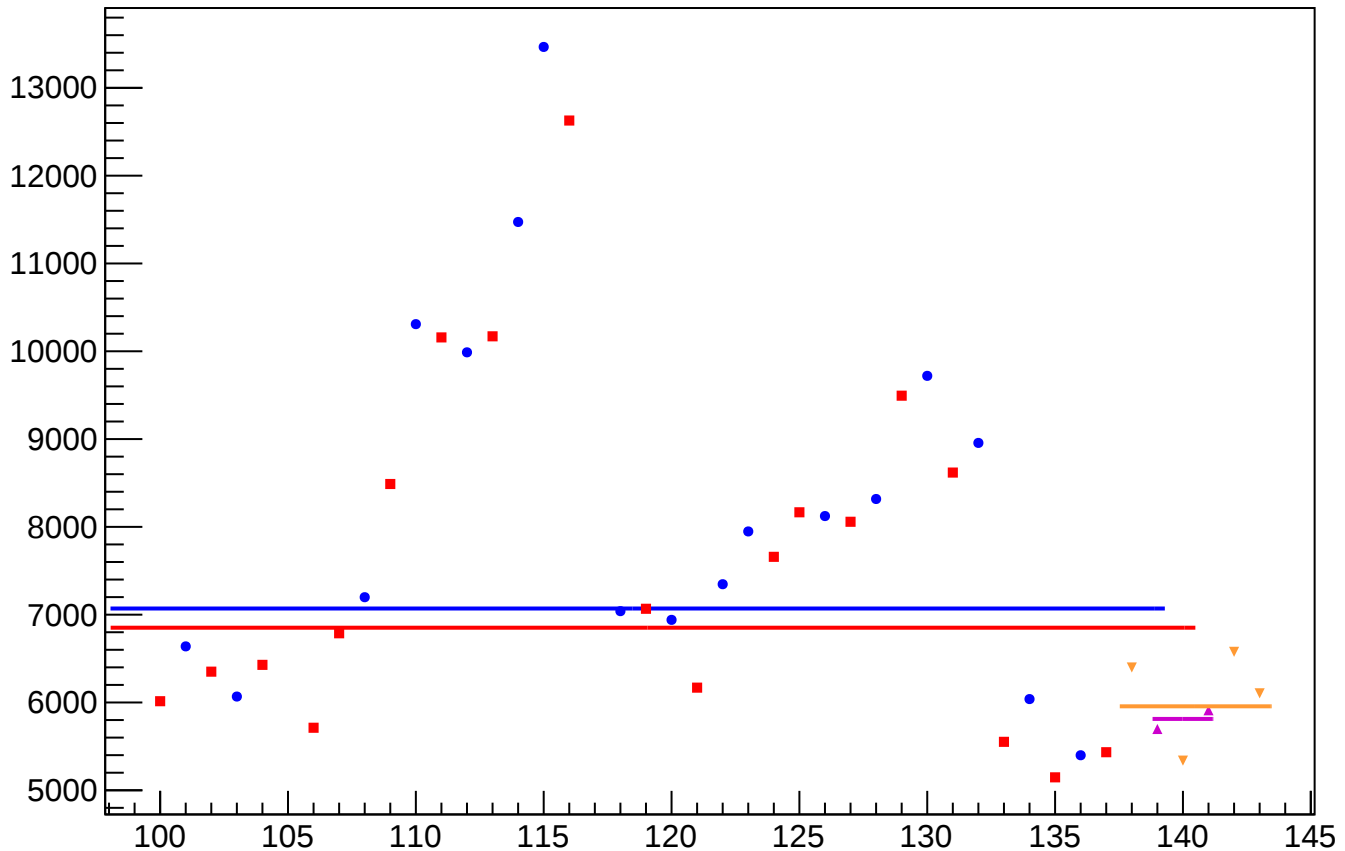
Right: -3.498 ± 1.921 χ^2/NDF : 34.6/35

In: -2.374 ± 2.405 χ^2/NDF : 15.8/18

Out: -2.405 ± 2.135 χ^2/NDF : 26.0/22

All: -2.391 ± 1.597 χ^2/NDF : 41.8/41

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7070.220 +/- 1.977 χ^2/NDF : 600878.1/16

Left Out: 5956.282 +/- 2.559 χ^2/NDF : 36824.6/3

Right Out: 6851.593 +/- 1.870 χ^2/NDF : 688585.4/18

Left In: 5812.635 +/- 3.337 χ^2/NDF : 1012.8/1

Left: 5903.091 +/- 2.031 χ^2/NDF : 39004.3/5

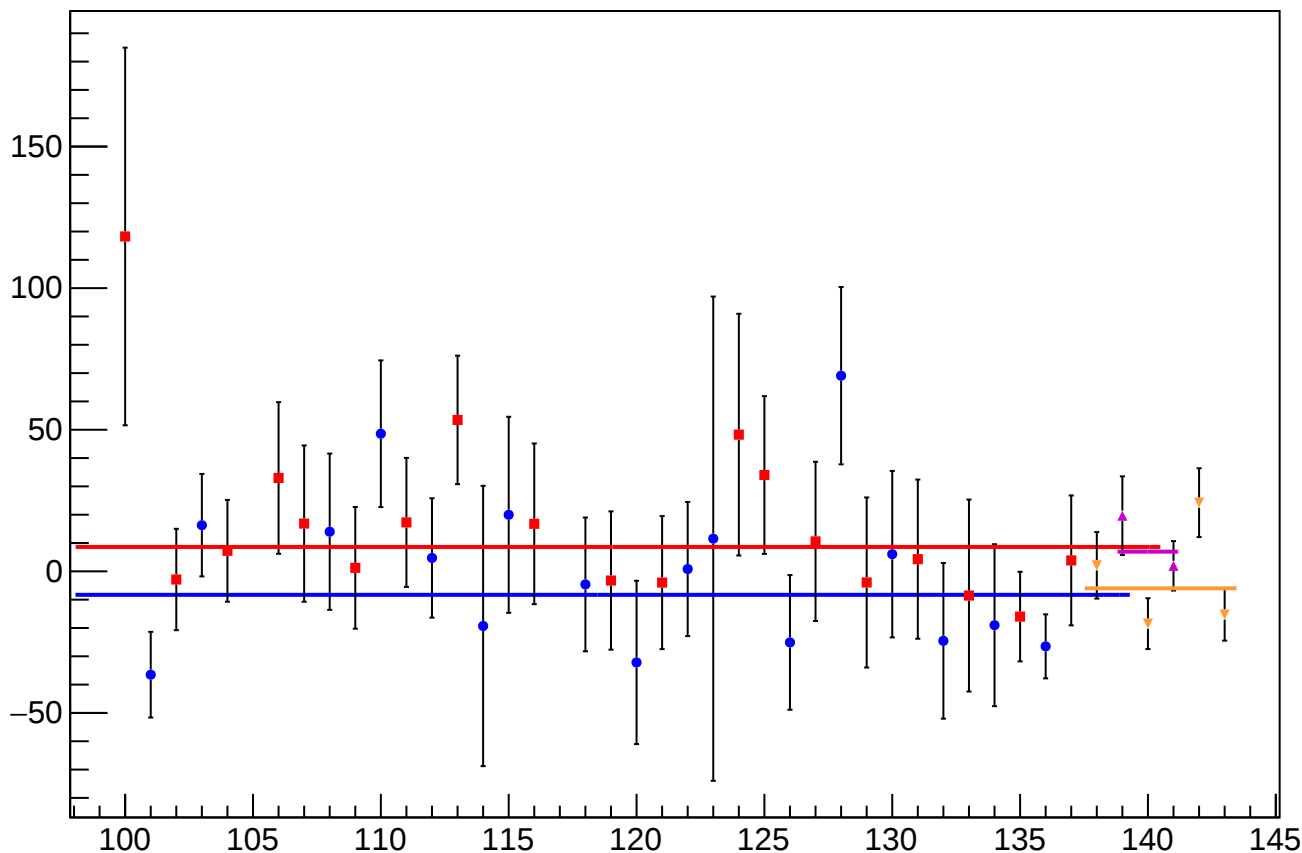
Right: 6954.858 +/- 1.358 χ^2/NDF : 1295919.6/35

In: 6743.622 +/- 1.701 χ^2/NDF : 707027.6/18

Out: 6539.917 +/- 1.510 χ^2/NDF : 805207.9/22

All: 6629.708 +/- 1.129 χ^2/NDF : 1520259.3/41

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -8.291 ± 5.508 $\chi^2/\text{NDF}: 22.7/16$

Left Out: -5.991 ± 5.118 $\chi^2/\text{NDF}: 9.6/3$

Right Out: 8.615 ± 5.576 $\chi^2/\text{NDF}: 13.4/18$

Left In: 6.961 ± 7.391 $\chi^2/\text{NDF}: 1.2/1$

Left: -1.793 ± 4.208 $\chi^2/\text{NDF}: 12.8/5$

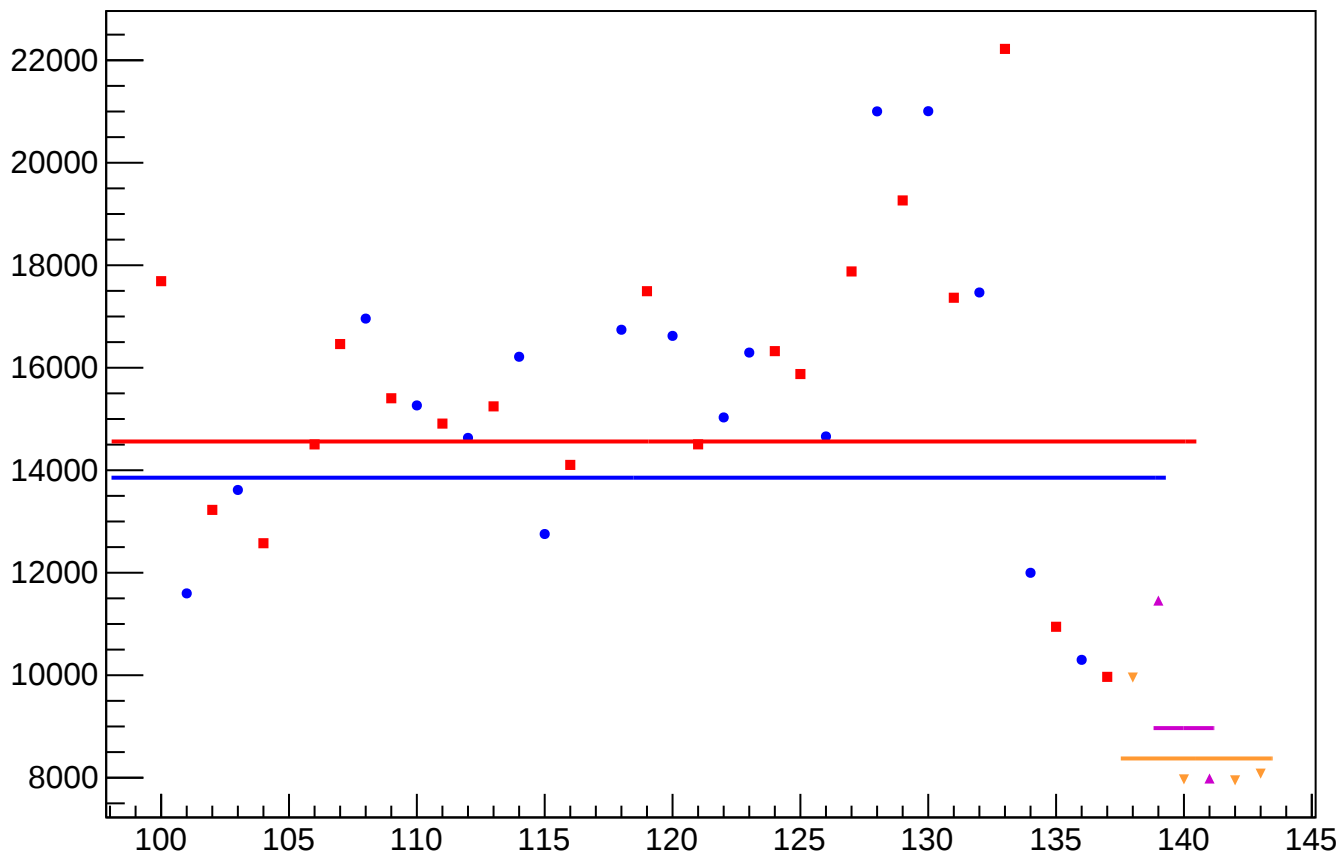
Right: 0.058 ± 3.918 $\chi^2/\text{NDF}: 40.8/35$

In: -2.846 ± 4.417 $\chi^2/\text{NDF}: 26.6/18$

Out: 0.689 ± 3.771 $\chi^2/\text{NDF}: 26.8/22$

All: -0.802 ± 2.868 $\chi^2/\text{NDF}: 53.8/41$

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13854.498+/-3.895 χ^2/NDF : 606202.8/16

Left Out: 8375.685+/-3.619 χ^2/NDF : 44789.1/3

Right Out: 14561.025+/-3.943 χ^2/NDF : 475761.5/18

Left In: 8968.261+/-5.227 χ^2/NDF : 89575.9/1

Left: 8567.746+/-2.975 χ^2/NDF : 143053.5/5

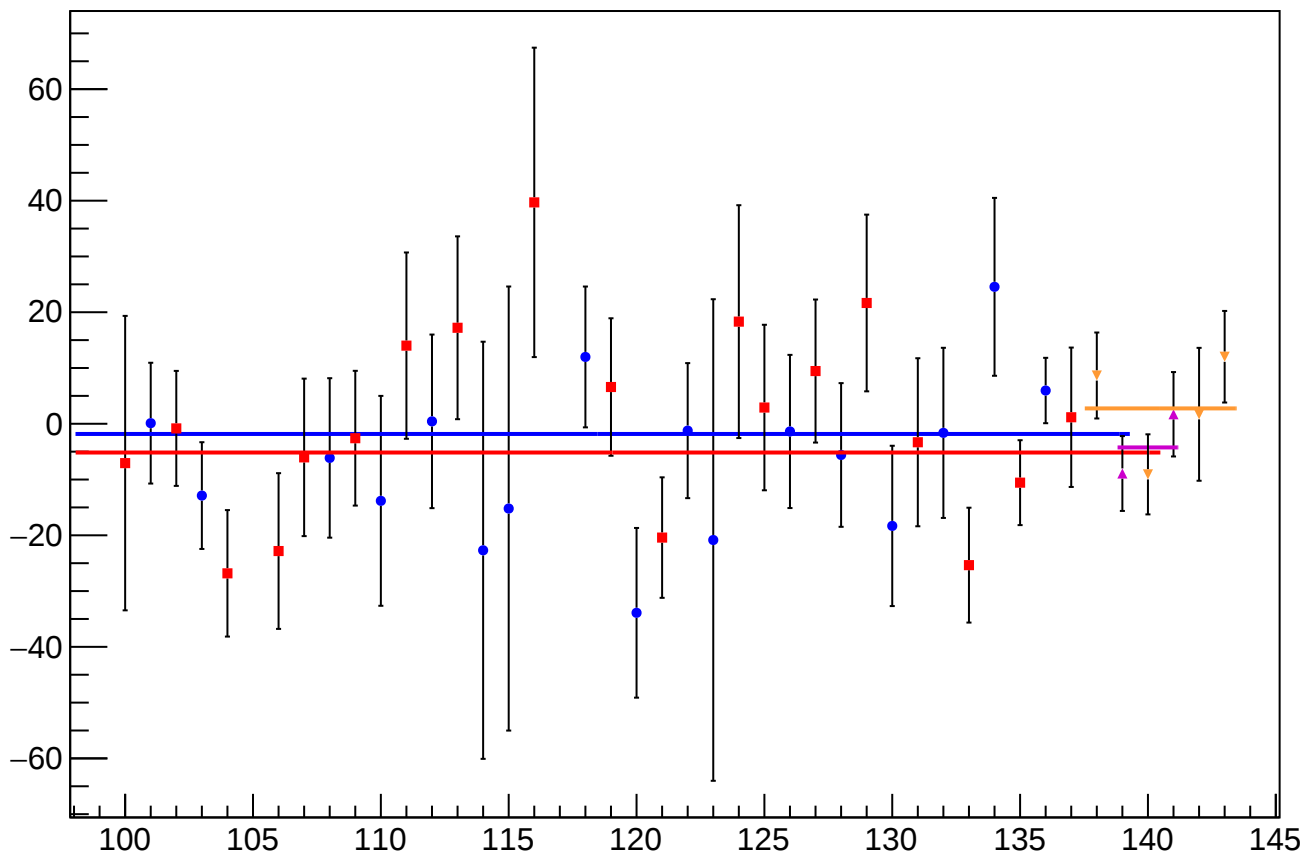
Right: 14203.439+/-2.771 χ^2/NDF : 1098217.6/35

In: 12109.952+/-3.123 χ^2/NDF : 1257749.1/18

Out: 11204.353+/-2.666 χ^2/NDF : 1856226.2/22

All: 11586.146+/-2.028 χ^2/NDF : 3162613.1/4

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -1.828 $\pm$ 3.100 χ^2/NDF : 14.0/16

Left Out: 2.753 $\pm$ 4.148 χ^2/NDF : 4.6/3

Right Out: -5.156 $\pm$ 2.965 χ^2/NDF : 24.5/18

Left In: -4.242 $\pm$ 5.021 χ^2/NDF : 1.1/1

Left: -0.085 $\pm$ 3.198 χ^2/NDF : 6.8/5

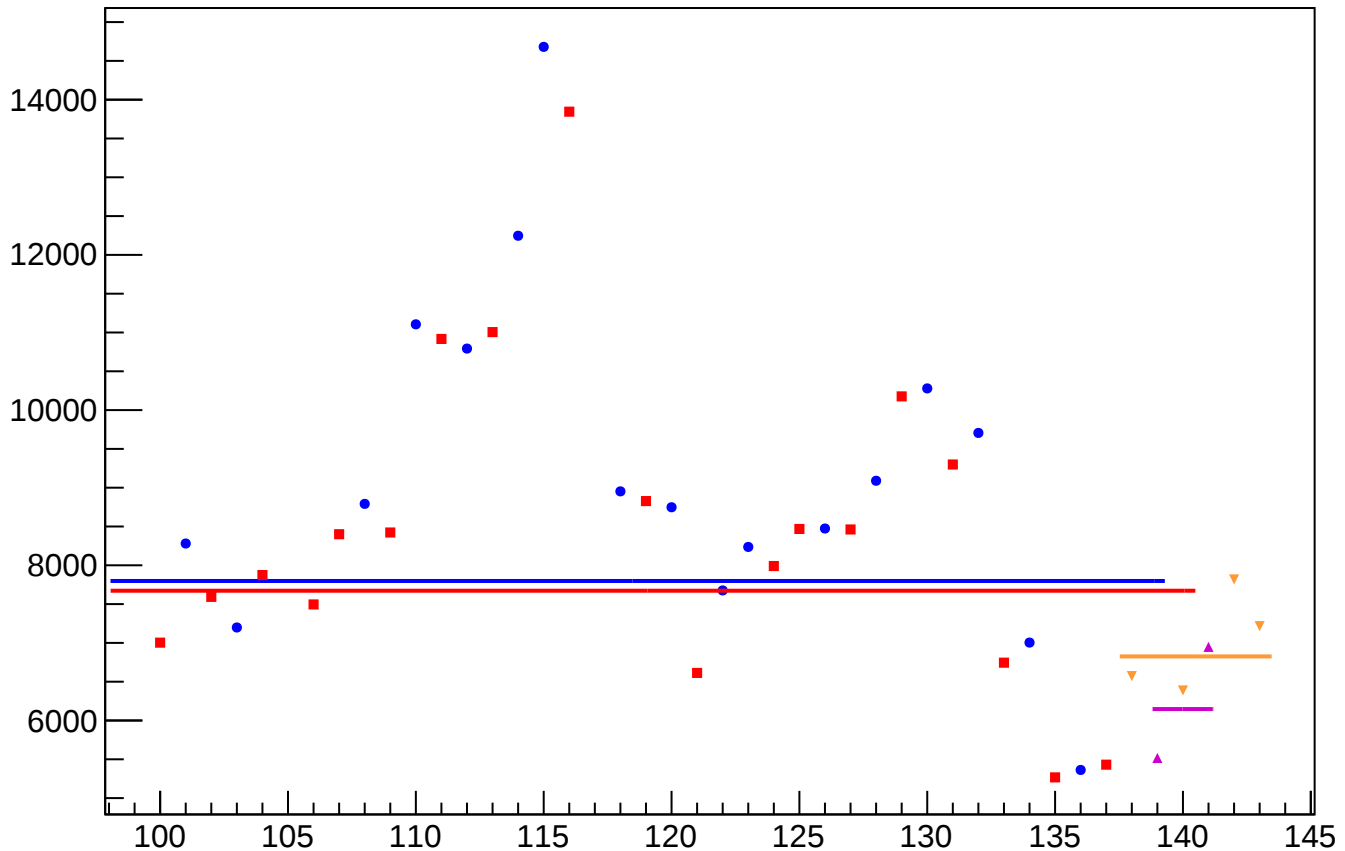
Right: -3.566 $\pm$ 2.142 χ^2/NDF : 39.2/35

In: -2.494 $\pm$ 2.637 χ^2/NDF : 15.3/18

Out: -2.482 $\pm$ 2.412 χ^2/NDF : 31.5/22

All: -2.487 $\pm$ 1.780 χ^2/NDF : 46.8/41

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7797.989+/-2.192 χ^2/NDF : 736318.7/16

Left Out: 6825.741+/-2.933 χ^2/NDF : 28008.5/3

Right Out: 7672.429+/-2.096 χ^2/NDF : 676691.4/18

Left In: 6147.400+/-3.550 χ^2/NDF : 40071.8/1

Left: 6550.538+/-2.261 χ^2/NDF : 89776.6/5

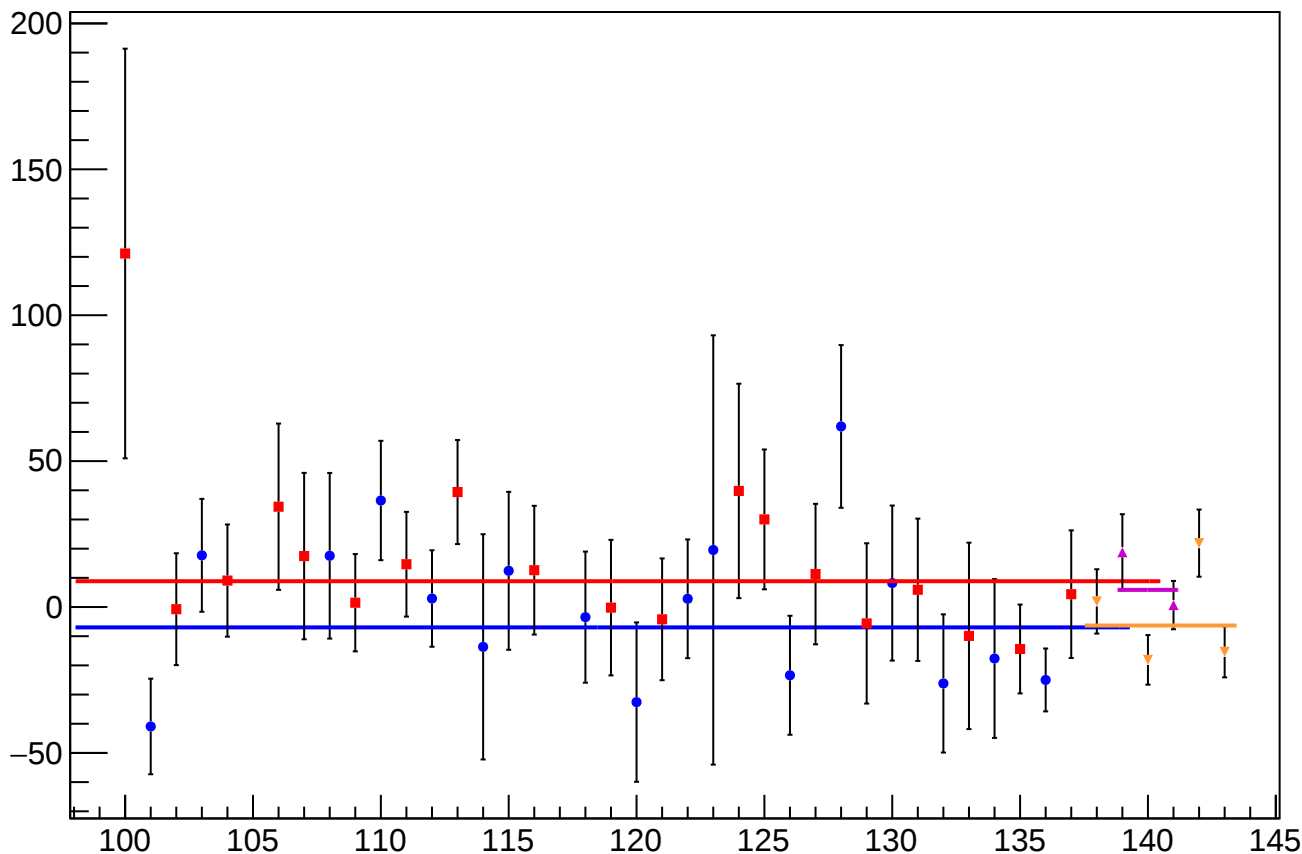
Right: 7732.419+/-1.515 χ^2/NDF : 1414723.9/35

In: 7342.503+/-1.865 χ^2/NDF : 932895.5/18

Out: 7386.170+/-1.706 χ^2/NDF : 759847.9/22

All: 7366.282+/-1.259 χ^2/NDF : 1693041.9/41

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.975 ± 5.096 $\chi^2/\text{NDF}: 24.0/16$

Left Out: -6.332 ± 4.840 $\chi^2/\text{NDF}: 9.6/3$

Right Out: 8.848 ± 5.080 $\chi^2/\text{NDF}: 12.0/18$

Left In: 5.875 ± 6.991 $\chi^2/\text{NDF}: 1.4/1$

Left: -2.377 ± 3.979 $\chi^2/\text{NDF}: 13.0/5$

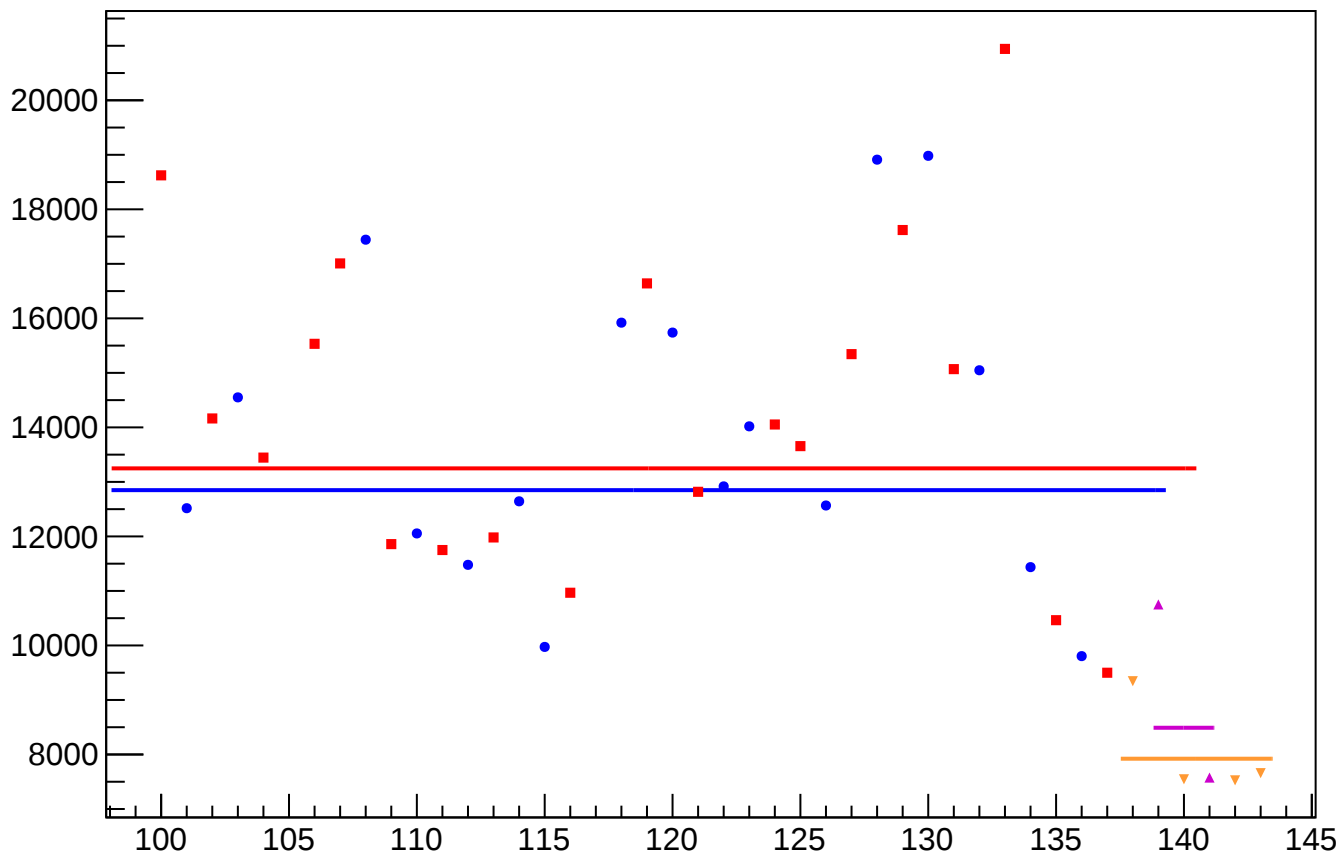
Right: 0.961 ± 3.598 $\chi^2/\text{NDF}: 40.9/35$

In: -2.517 ± 4.118 $\chi^2/\text{NDF}: 27.6/18$

Out: 0.891 ± 3.504 $\chi^2/\text{NDF}: 26.3/22$

All: -0.540 ± 2.669 $\chi^2/\text{NDF}: 54.3/41$

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12848.710 $\pm$ 3.603 χ^2/NDF : 552210.2/16

Left Out: 7922.398 $\pm$ 3.422 χ^2/NDF : 41405.1/3

Right Out: 13248.110 $\pm$ 3.592 χ^2/NDF : 487206.6/18

Left In: 8490.187 $\pm$ 4.944 χ^2/NDF : 84566.9/1

Left: 8106.338 $\pm$ 2.814 χ^2/NDF : 134889.8/5

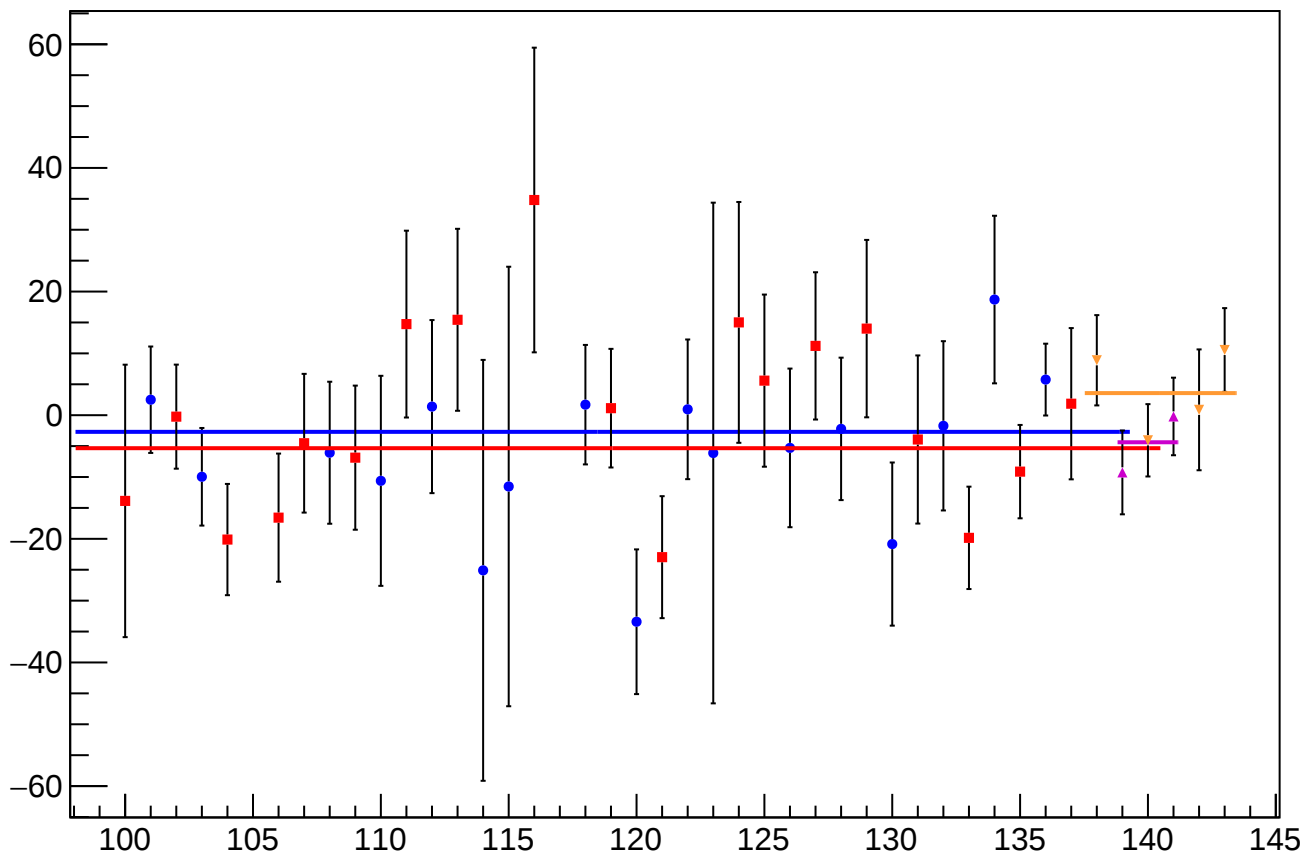
Right: 13049.037 $\pm$ 2.544 χ^2/NDF : 1045578.8/35

In: 11336.484 $\pm$ 2.912 χ^2/NDF : 1144384.7/18

Out: 10456.302 $\pm$ 2.478 χ^2/NDF : 1680899.8/22

All: 10825.941 $\pm$ 1.887 χ^2/NDF : 2878279.7/4

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.694 ± 2.736 χ^2/NDF : 15.9/16

Left Out: 3.575 ± 3.531 χ^2/NDF : 3.4/3

Right Out: -5.339 ± 2.592 χ^2/NDF : 23.6/18

Left In: -4.379 ± 4.605 χ^2/NDF : 1.0/1

Left: 0.631 ± 2.802 χ^2/NDF : 6.2/5

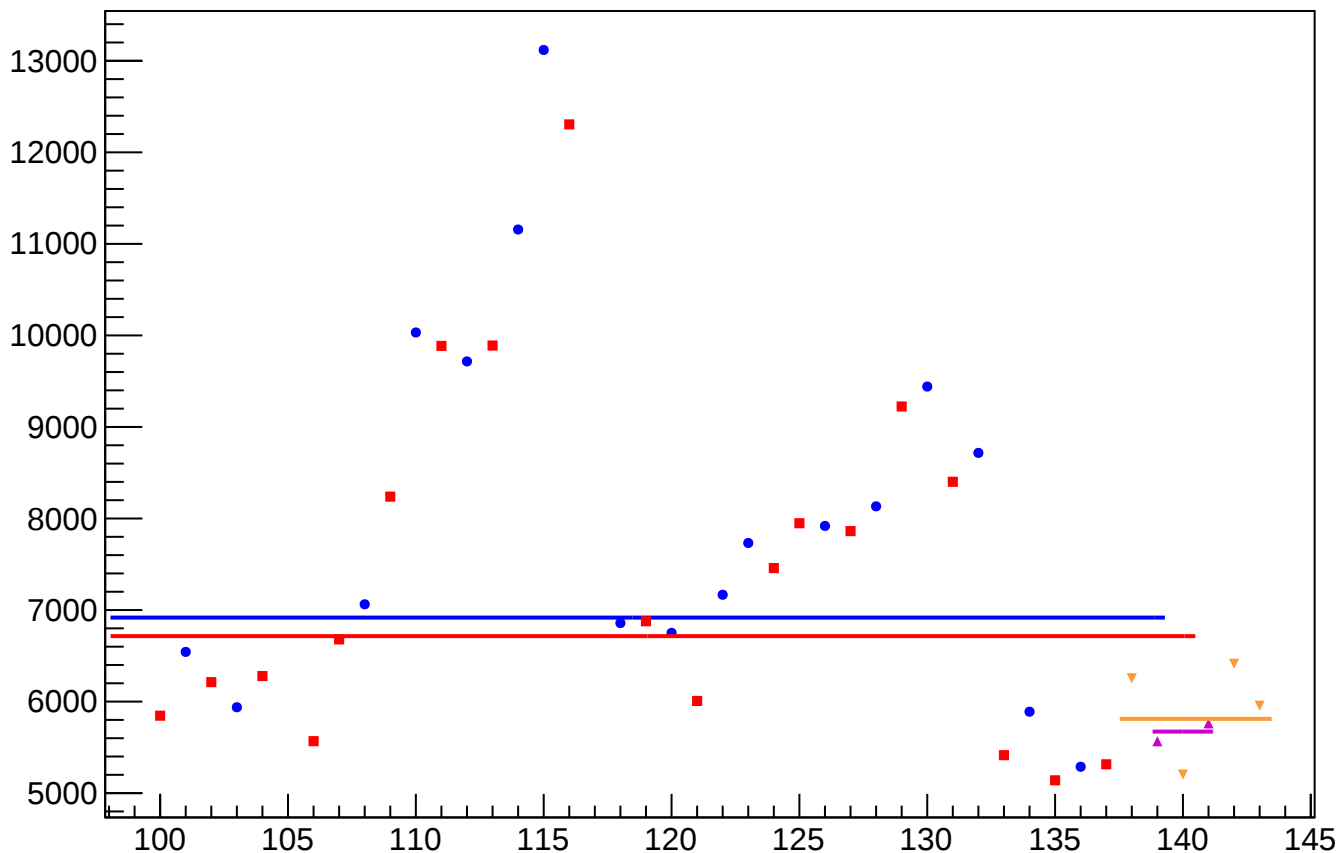
Right: -4.088 ± 1.882 χ^2/NDF : 39.9/35

In: -3.133 ± 2.352 χ^2/NDF : 16.9/18

Out: -2.217 ± 2.090 χ^2/NDF : 31.1/22

All: -2.621 ± 1.562 χ^2/NDF : 48.1/41

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6917.700+/-1.935 χ^2/NDF : 587164.4/16

Left Out: 5811.093+/-2.497 χ^2/NDF : 37445.0/3

Right Out: 6715.087+/-1.833 χ^2/NDF : 660008.2/18

Left In: 5672.116+/-3.256 χ^2/NDF : 895.6/1

Left: 5759.643+/-1.981 χ^2/NDF : 39487.7/5

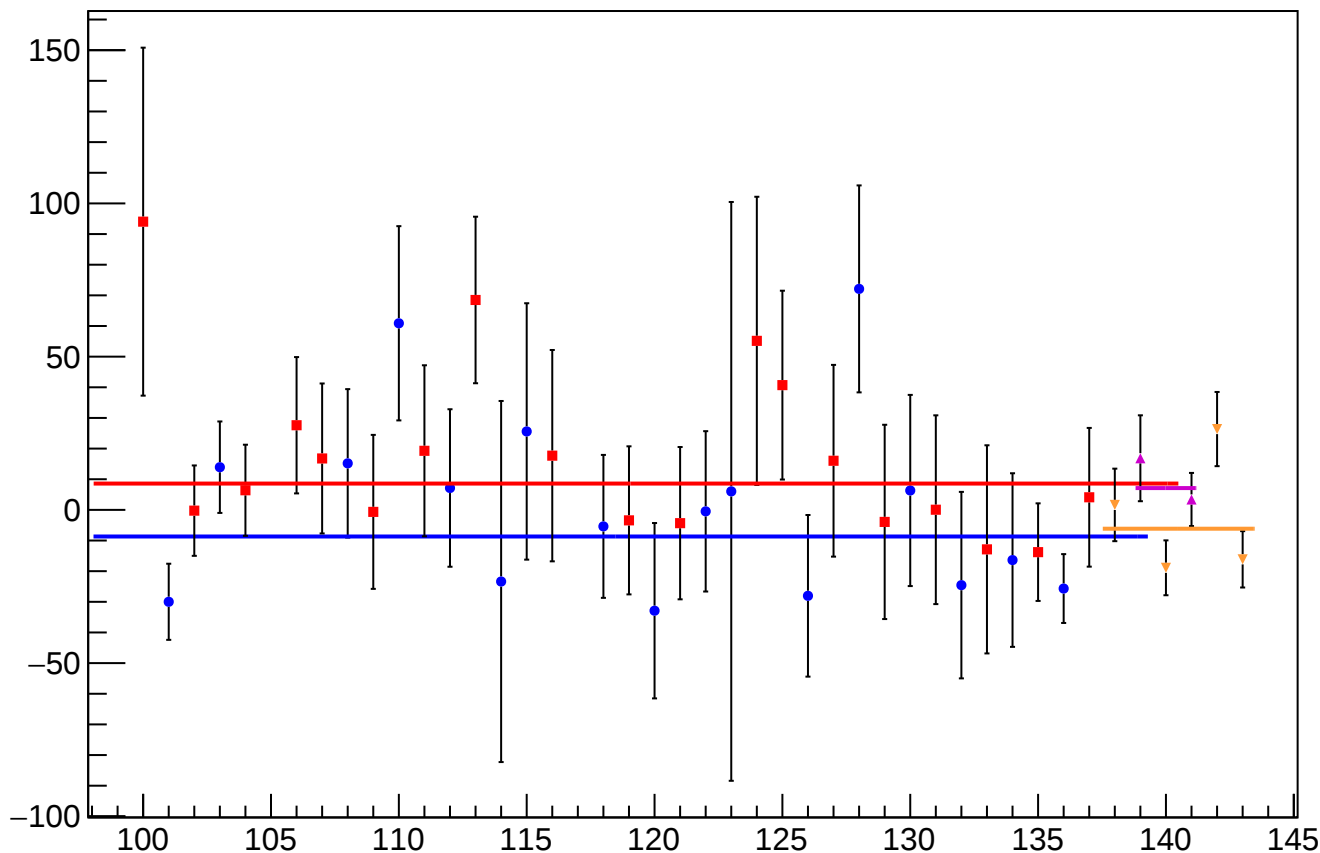
Right: 6810.919+/-1.331 χ^2/NDF : 1252951.3/35

In: 6592.687+/-1.663 χ^2/NDF : 696189.7/18

Out: 6398.473+/-1.478 χ^2/NDF : 782635.5/22

All: 6484.128+/-1.105 χ^2/NDF : 1486444.8/41

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.685 ± 5.401 $\chi^2/\text{NDF}: 22.1/16$

Left Out: -6.145 ± 5.112 $\chi^2/\text{NDF}: 10.9/3$

Right Out: 8.586 ± 5.516 $\chi^2/\text{NDF}: 14.0/18$

Left In: 7.113 ± 7.374 $\chi^2/\text{NDF}: 0.7/1$

Left: -1.842 ± 4.201 $\chi^2/\text{NDF}: 13.7/5$

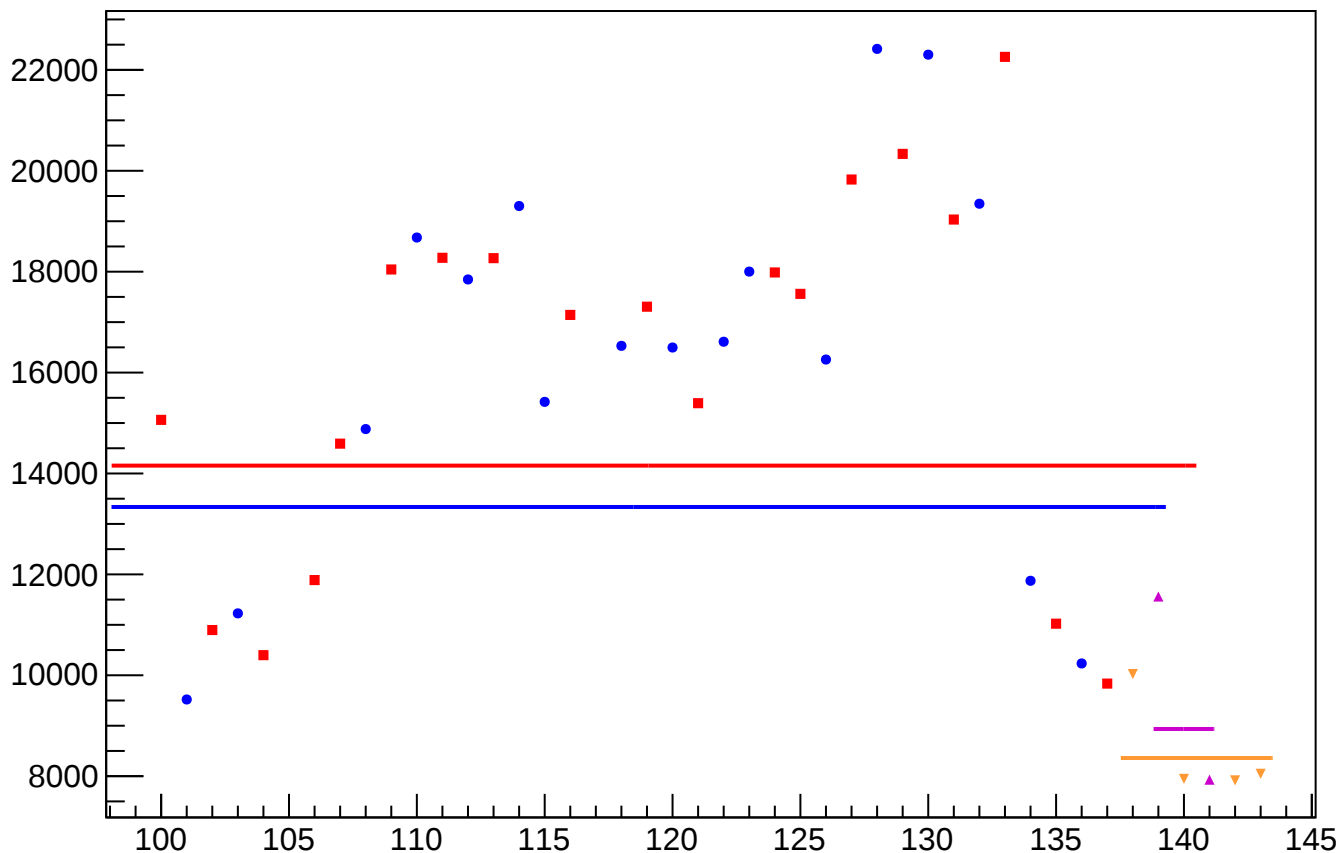
Right: -0.232 ± 3.859 $\chi^2/\text{NDF}: 41.1/35$

In: -3.169 ± 4.357 $\chi^2/\text{NDF}: 25.8/18$

Out: 0.660 ± 3.749 $\chi^2/\text{NDF}: 28.7/22$

All: -0.969 ± 2.842 $\chi^2/\text{NDF}: 54.9/41$

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13335.843 $\pm$ 3.819 χ^2 /NDF: 1049247.5/16

Left Out: 8360.304 $\pm$ 3.614 χ^2 /NDF:48854.9/3

Right Out: 14155.967 $\pm$ 3.901 χ^2 /NDF: 932431.0/18

Left In: 8935.574 $\pm$ 5.214 χ^2 /NDF:97075.5/1

Left: 8547.000 $\pm$ 2.971 χ^2 /NDF: 154151.6/5

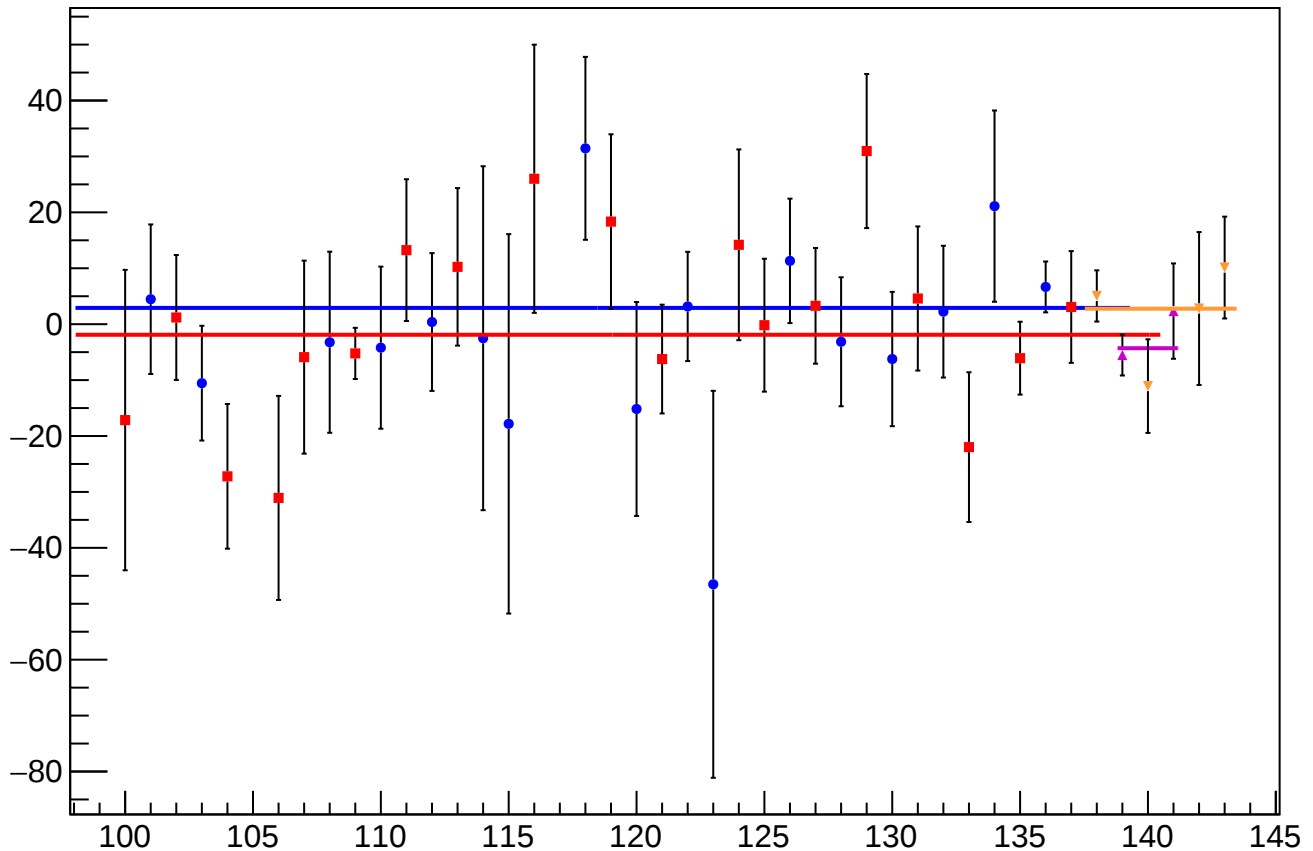
Right: 13737.272 $\pm$ 2.729 χ^2 /NDF: 2004248.2/35

In: 11799.439 $\pm$ 3.081 χ^2 /NDF:1609794.9/18

Out: 11037.762 $\pm$ 2.651 χ^2 /NDF:2169121.9/22

All: 11361.781 $\pm$ 2.010 χ^2 /NDF: 3814030.0/4

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.911 ± 2.758 $\chi^2/\text{NDF}: 11.8/16$

Left Out: 2.770 ± 3.550 $\chi^2/\text{NDF}: 3.6/3$

Right Out: -1.892 ± 2.444 $\chi^2/\text{NDF}: 22.8/18$

Left In: -4.297 ± 3.359 $\chi^2/\text{NDF}: 0.7/1$

Left: -0.958 ± 2.440 $\chi^2/\text{NDF}: 6.4/5$

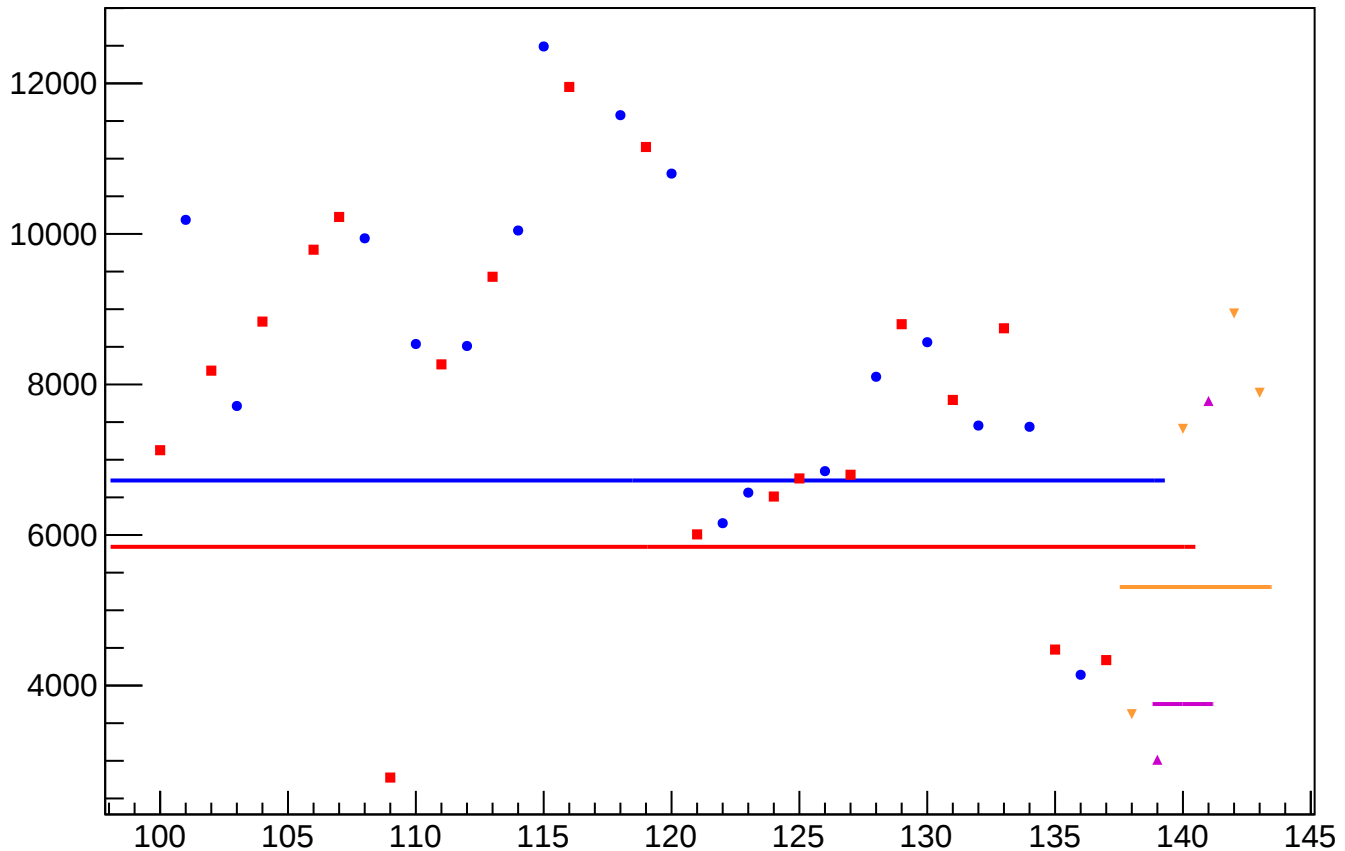
Right: 0.221 ± 1.829 $\chi^2/\text{NDF}: 36.3/35$

In: 0.009 ± 2.132 $\chi^2/\text{NDF}: 15.3/18$

Out: -0.393 ± 2.013 $\chi^2/\text{NDF}: 27.6/22$

All: -0.203 ± 1.463 $\chi^2/\text{NDF}: 42.9/41$

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6724.403+/-1.950 χ^2/NDF : 1391680.1/16

Left Out: 5309.170+/-2.510 χ^2/NDF : 700306.9/3

Right Out: 5843.007+/-1.728 χ^2/NDF : 2280742.0/18

Left In: 3754.554+/-2.375 χ^2/NDF : 528049.8/1

Left: 4489.097+/-1.725 χ^2/NDF : 1430720.3/5

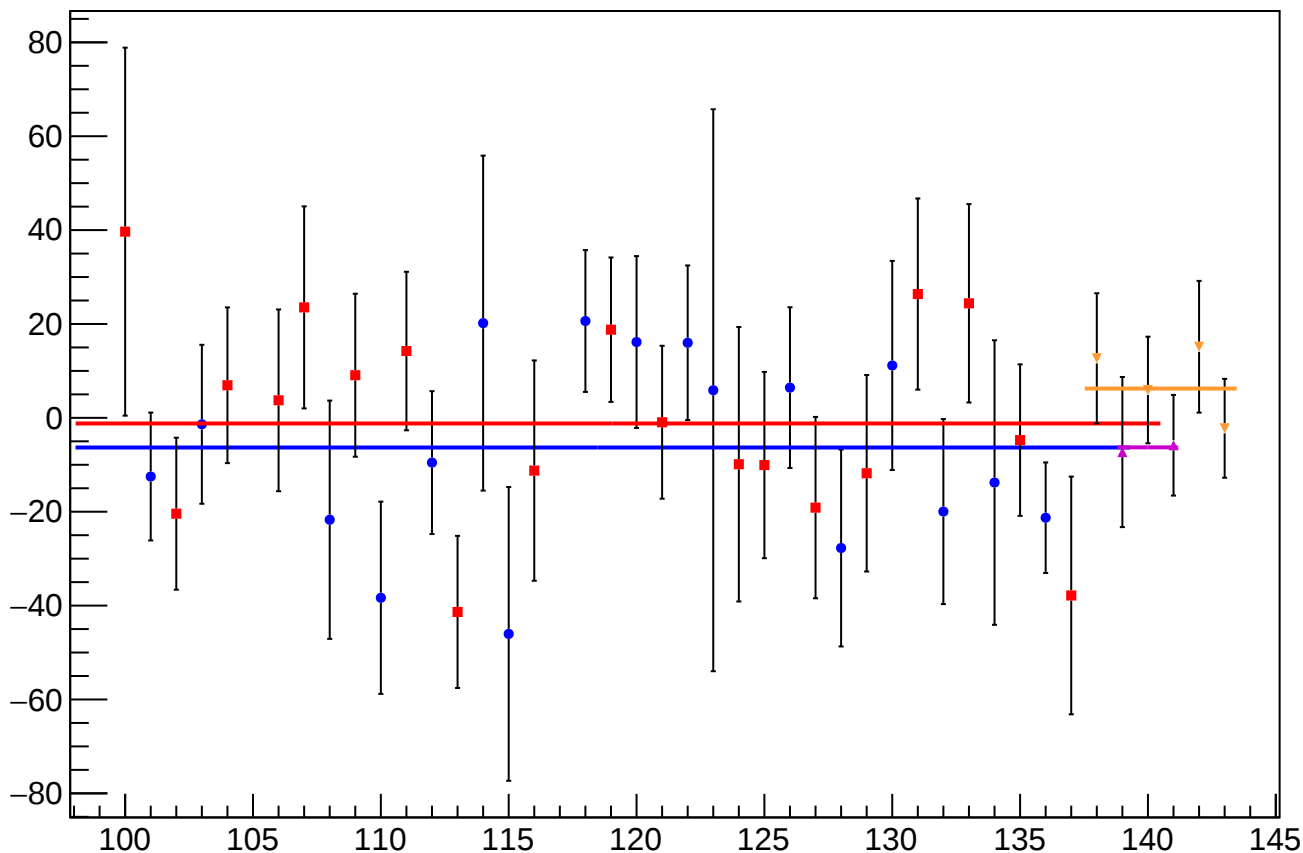
Right: 6230.735+/-1.293 χ^2/NDF : 3786855.2/35

In: 5528.843+/-1.507 χ^2/NDF : 2853524.3/18

Out: 5671.332+/-1.423 χ^2/NDF : 3011736.8/22

All: 5604.160+/-1.035 χ^2/NDF : 5869985.3/41

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -6.317+/-4.525 χ^2/NDF : 16.2/16

Left Out: 6.244+/-6.080 χ^2/NDF : 1.3/3

Right Out: -1.197+/-4.382 χ^2/NDF : 20.2/18

Left In: -6.285+/-8.905 χ^2/NDF : 0.0/1

Left: 2.261+/-5.021 χ^2/NDF : 2.6/5

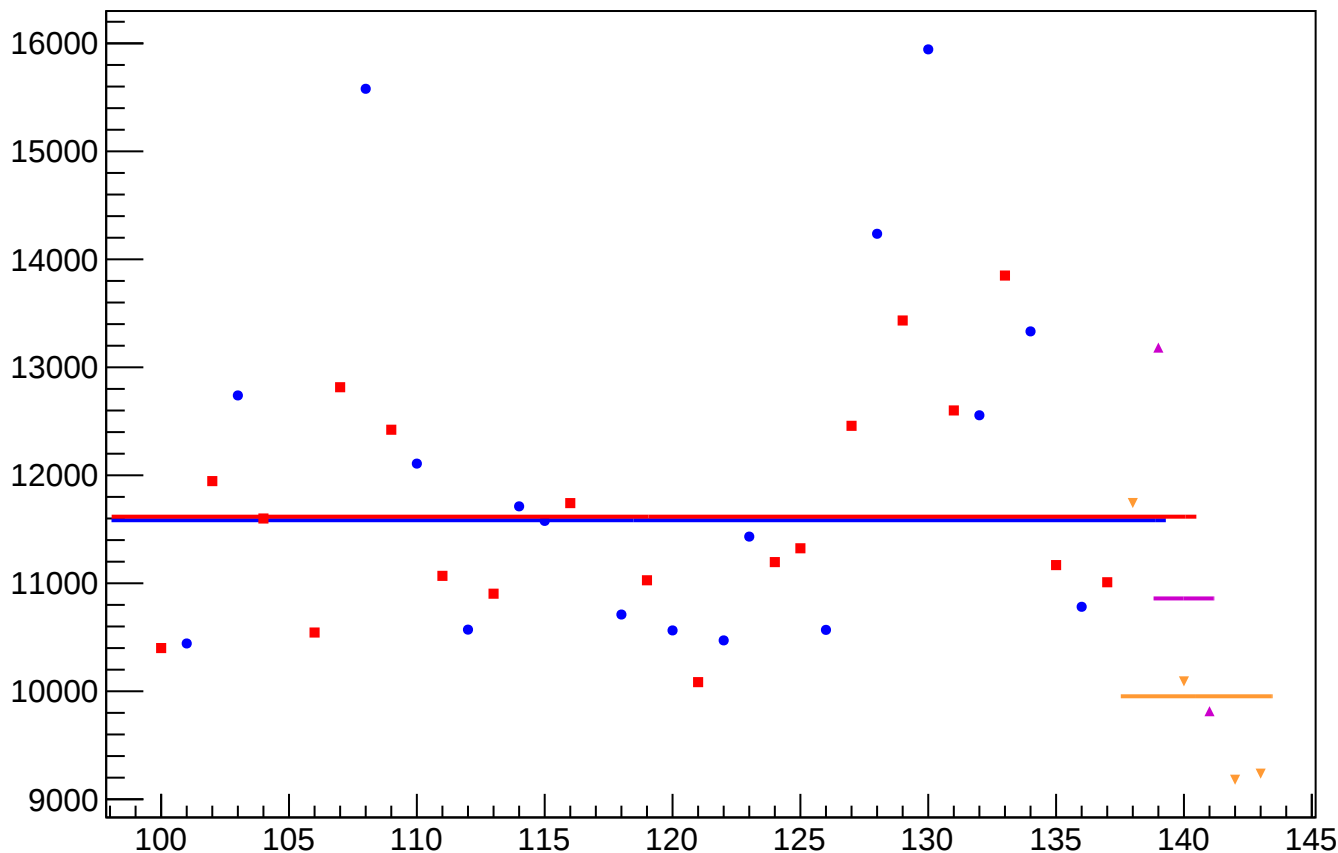
Right: -3.675+/-3.148 χ^2/NDF : 37.1/35

In: -6.311+/-4.034 χ^2/NDF : 16.2/18

Out: 1.346+/-3.555 χ^2/NDF : 22.4/22

All: -2.000+/-2.667 χ^2/NDF : 40.7/41

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11584.044+/-3.200 χ^2/NDF : 241550.8/16

Left Out: 9953.547+/-4.299 χ^2/NDF : 48938.0/3

Right Out: 11616.845+/-3.098 χ^2/NDF : 95463.1/18

Left In: 10859.701+/-6.297 χ^2/NDF : 61172.4/1

Left: 10241.631+/-3.551 χ^2/NDF : 124234.4/5

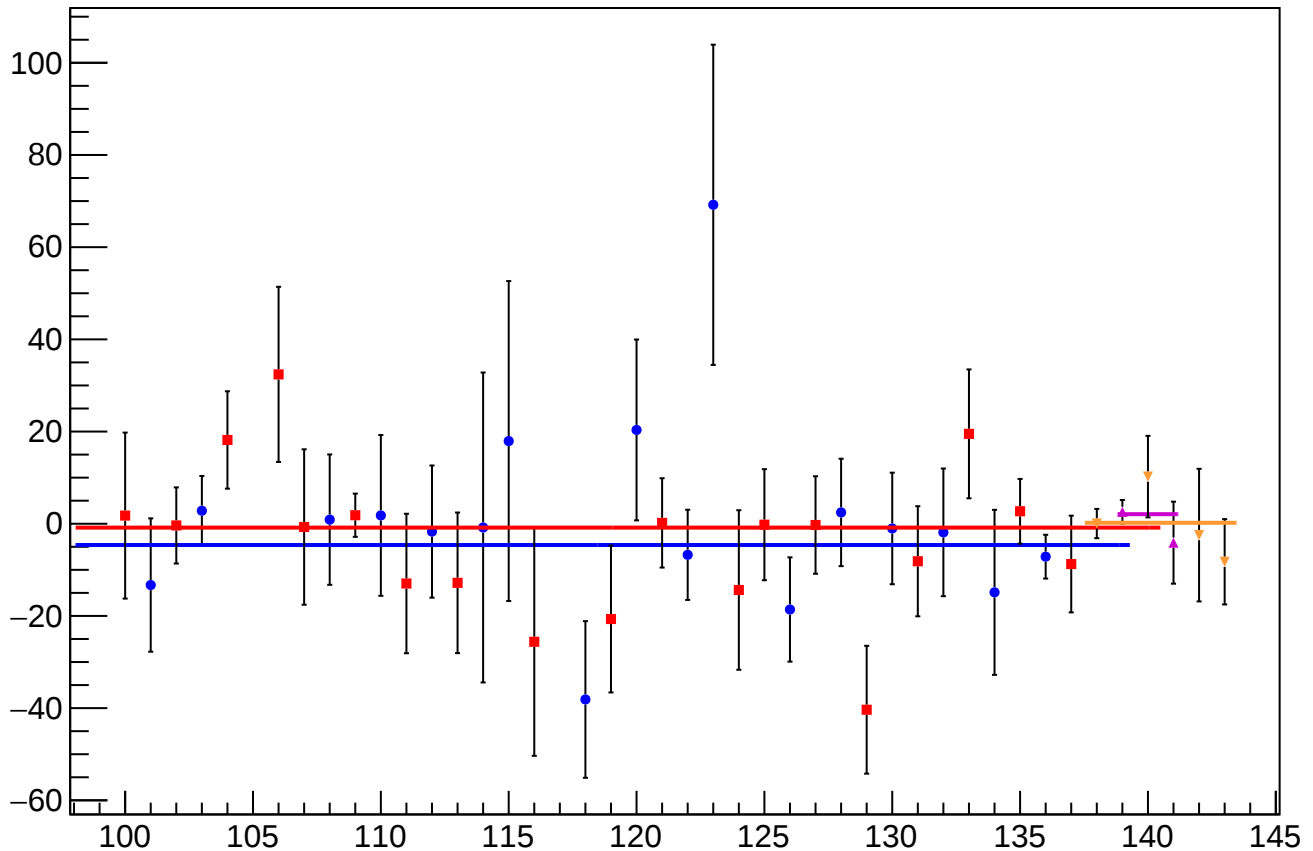
Right: 11600.972+/-2.226 χ^2/NDF : 337068.1/35

In: 11435.410+/-2.853 χ^2/NDF : 313239.5/18

Out: 11048.256+/-2.514 χ^2/NDF : 242916.6/22

All: 11217.478+/-1.886 χ^2/NDF : 566525.3/41

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.616 ± 2.782 χ^2/NDF : 14.8/16

Left Out: 0.207 ± 2.791 χ^2/NDF : 2.2/3

Right Out: -0.841 ± 2.431 χ^2/NDF : 22.5/18

Left In: 2.074 ± 2.461 χ^2/NDF : 0.5/1

Left: 1.257 ± 1.846 χ^2/NDF : 2.9/5

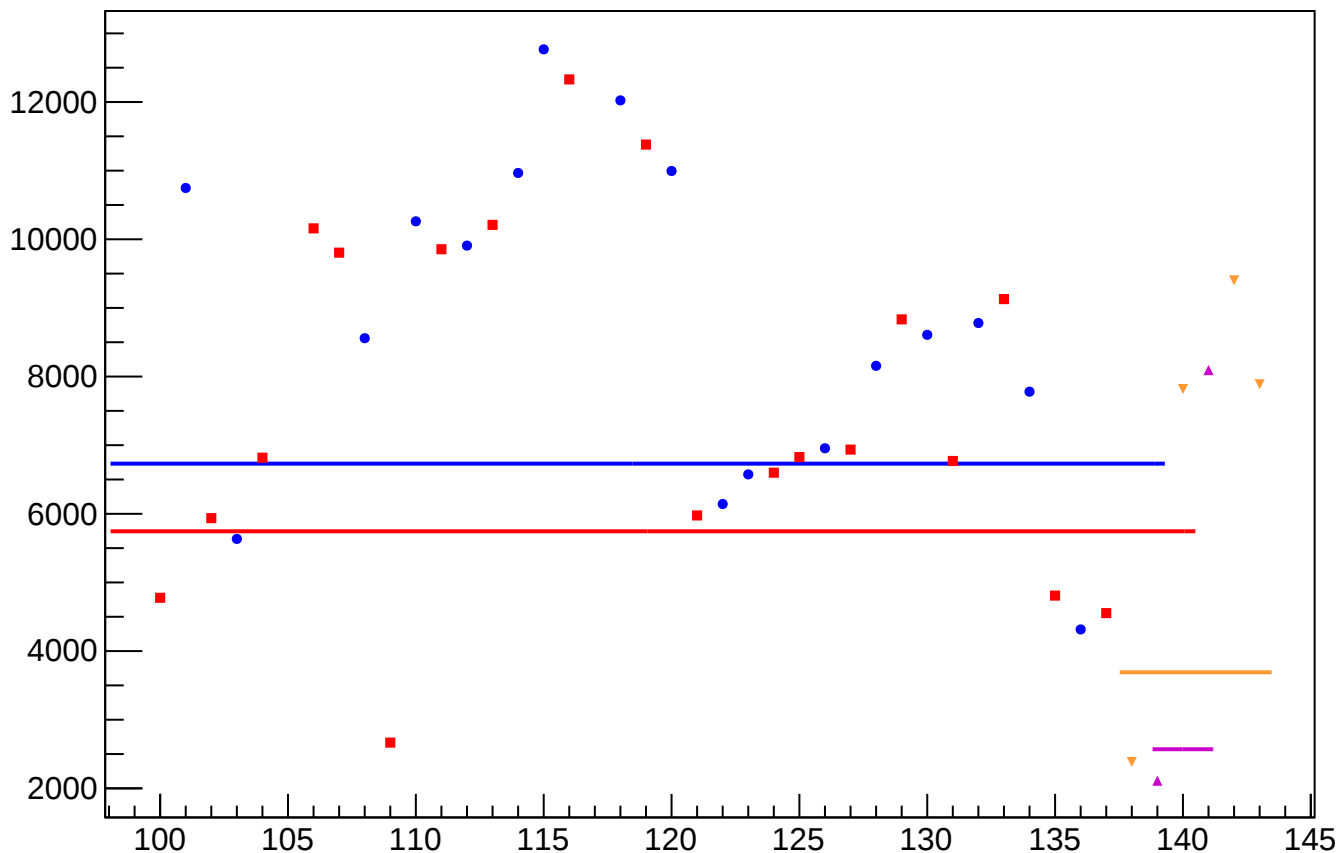
Right: -2.475 ± 1.830 χ^2/NDF : 38.4/35

In: -0.864 ± 1.843 χ^2/NDF : 18.6/18

Out: -0.389 ± 1.833 χ^2/NDF : 24.8/22

All: -0.625 ± 1.300 χ^2/NDF : 43.4/41

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6730.931 $\pm$ 1.967 χ^2/NDF : 1444572.7/16

Left Out: 3690.808 $\pm$ 1.974 χ^2/NDF :1499738.5/3

Right Out: 5745.707 $\pm$ 1.719 χ^2/NDF : 2164630.9/18

Left In: 2569.908 $\pm$ 1.740 χ^2/NDF :835522.3/1

Left: 3060.136 $\pm$ 1.305 χ^2/NDF : 2516711.9/5

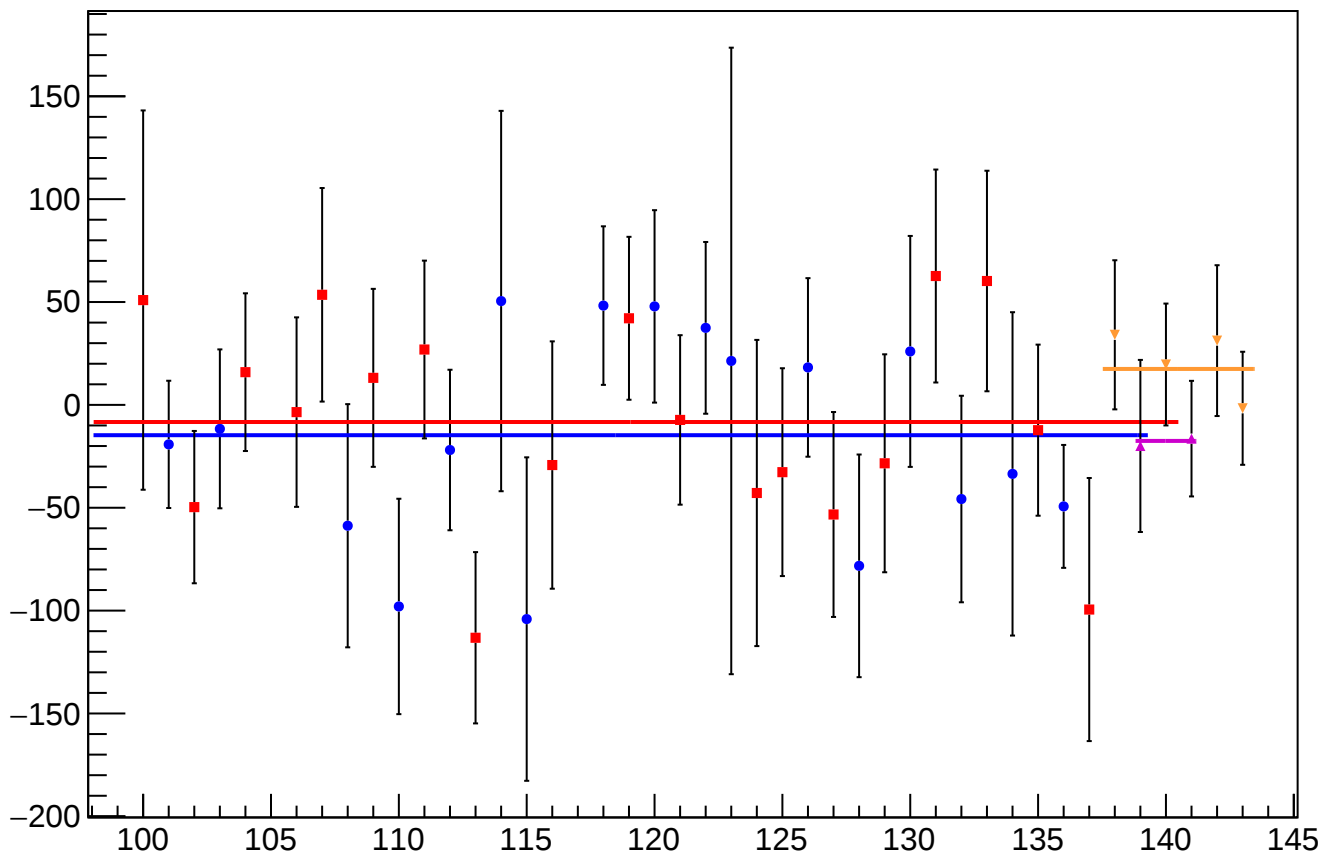
Right: 6172.245 $\pm$ 1.294 χ^2/NDF : 3751459.2/35

In: 4396.765 $\pm$ 1.303 χ^2/NDF :4790240.1/18

Out: 4859.526 $\pm$ 1.296 χ^2/NDF :4280806.5/22

All: 4629.422 $\pm$ 0.919 χ^2/NDF : 9134424.3/41

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -14.734 $\pm$ 11.237 χ^2/NDF : 15.3/16

Left Out: 17.472 $\pm$ 15.870 χ^2/NDF : 0.8/3

Right Out: -8.323 $\pm$ 10.912 χ^2/NDF : 19.5/18

Left In: -17.513 $\pm$ 23.320 χ^2/NDF : 0.0/1

Left: 6.398 $\pm$ 13.120 χ^2/NDF : 2.4/5

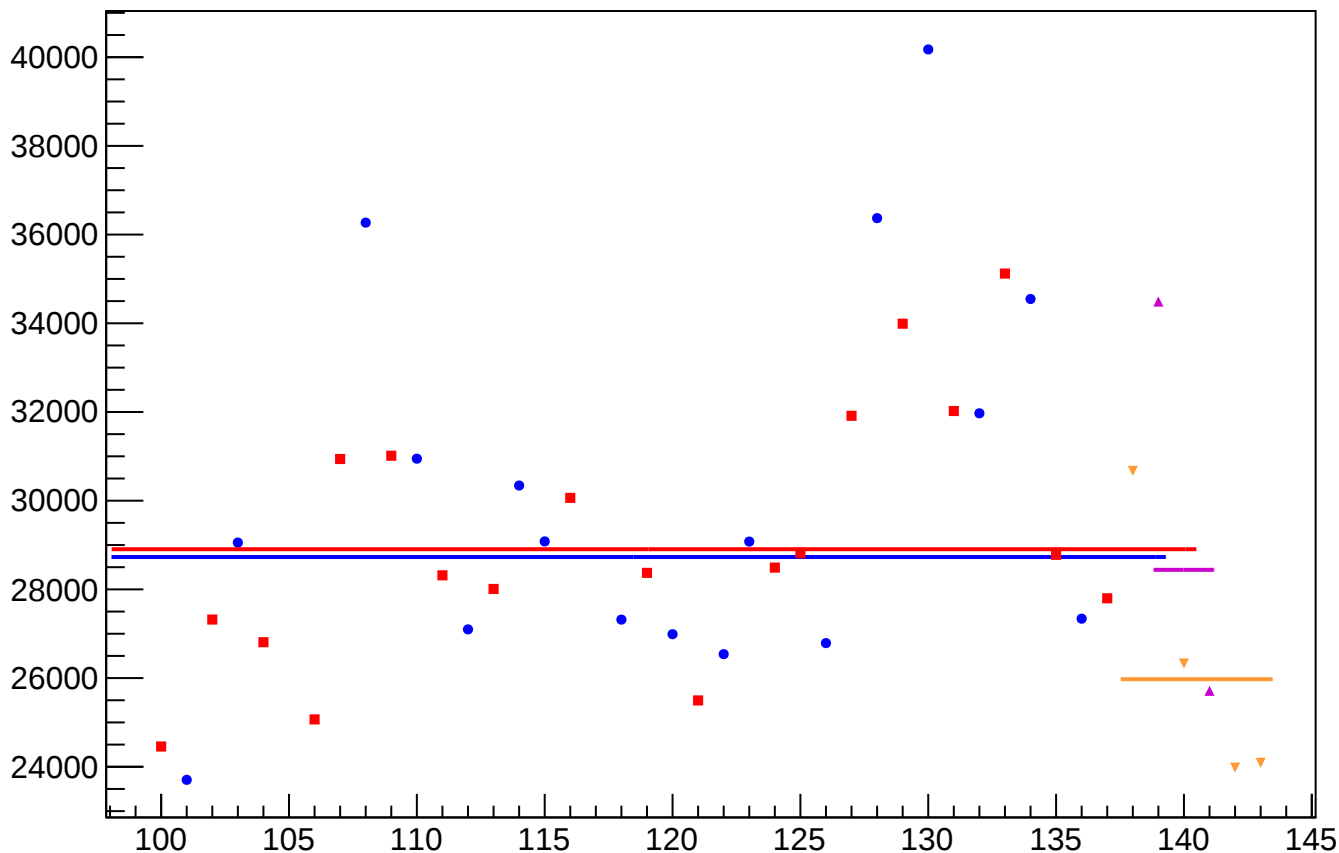
Right: -11.435 $\pm$ 7.828 χ^2/NDF : 34.9/35

In: -15.258 $\pm$ 10.123 χ^2/NDF : 15.3/18

Out: -0.043 $\pm$ 8.992 χ^2/NDF : 22.1/22

All: -6.753 $\pm$ 6.723 χ^2/NDF : 38.6/41

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28729.913 $\pm$ 7.946 χ^2/NDF : 254816.0/16

Left Out: 25974.911 $\pm$ 11.222 χ^2/NDF : 49214.1/3

Right Out: 28905.793 $\pm$ 7.716 χ^2/NDF : 112668.4/18

Left In: 28441.124 $\pm$ 16.490 χ^2/NDF : 60685.8/1

Left: 26755.568 $\pm$ 9.277 χ^2/NDF : 125187.7/5

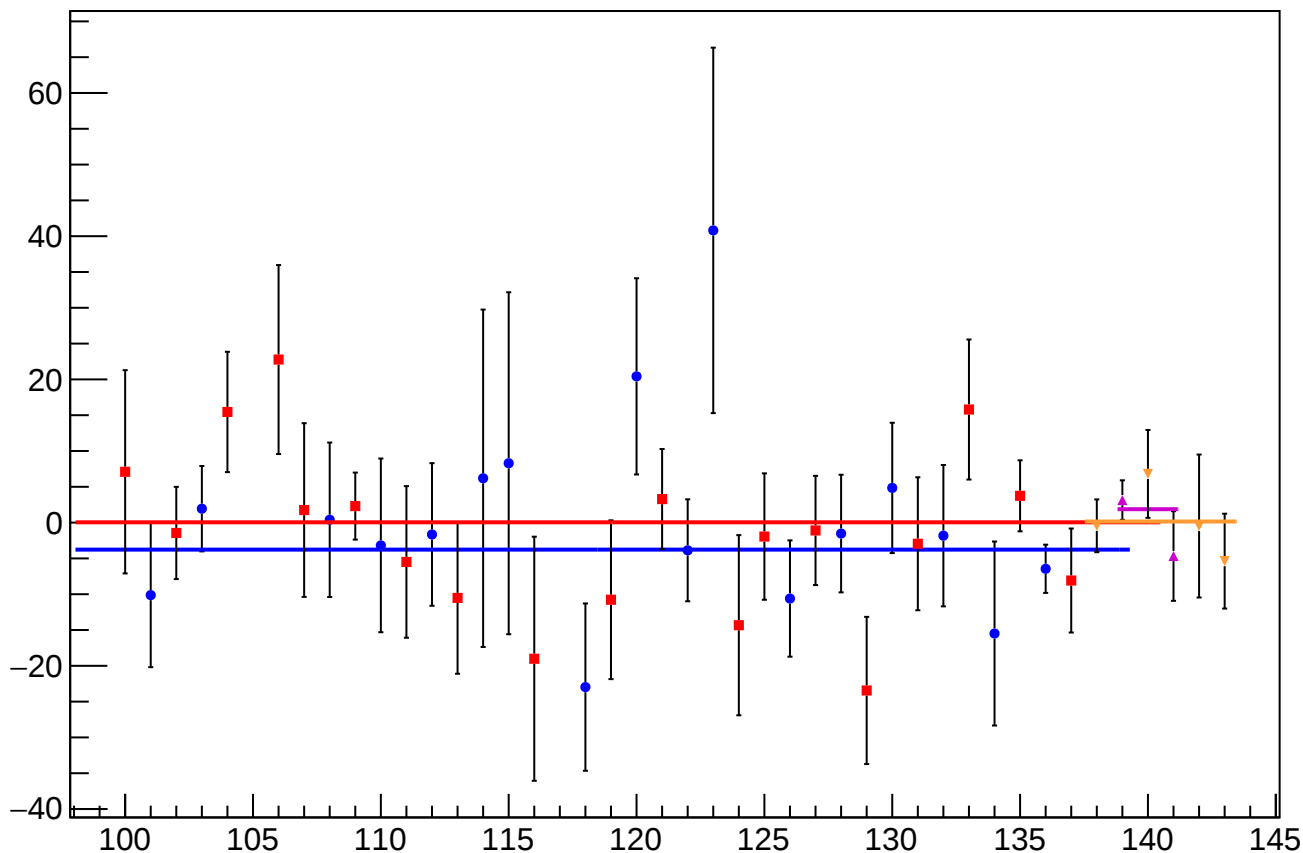
Right: 28820.430 $\pm$ 5.536 χ^2/NDF : 367736.6/35

In: 28675.495 $\pm$ 7.158 χ^2/NDF : 315750.8/18

Out: 27964.948 $\pm$ 6.358 χ^2/NDF : 208196.8/22

All: 28278.321 $\pm$ 4.754 χ^2/NDF : 529455.5/4

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -3.773 ± 2.010 χ^2/NDF : 14.0/16

Left Out: 0.153 ± 2.741 χ^2/NDF : 1.9/3

Right Out: 0.042 ± 1.894 χ^2/NDF : 21.7/18

Left In: 1.873 ± 2.527 χ^2/NDF : 1.3/1

Left: 1.083 ± 1.858 χ^2/NDF : 3.4/5

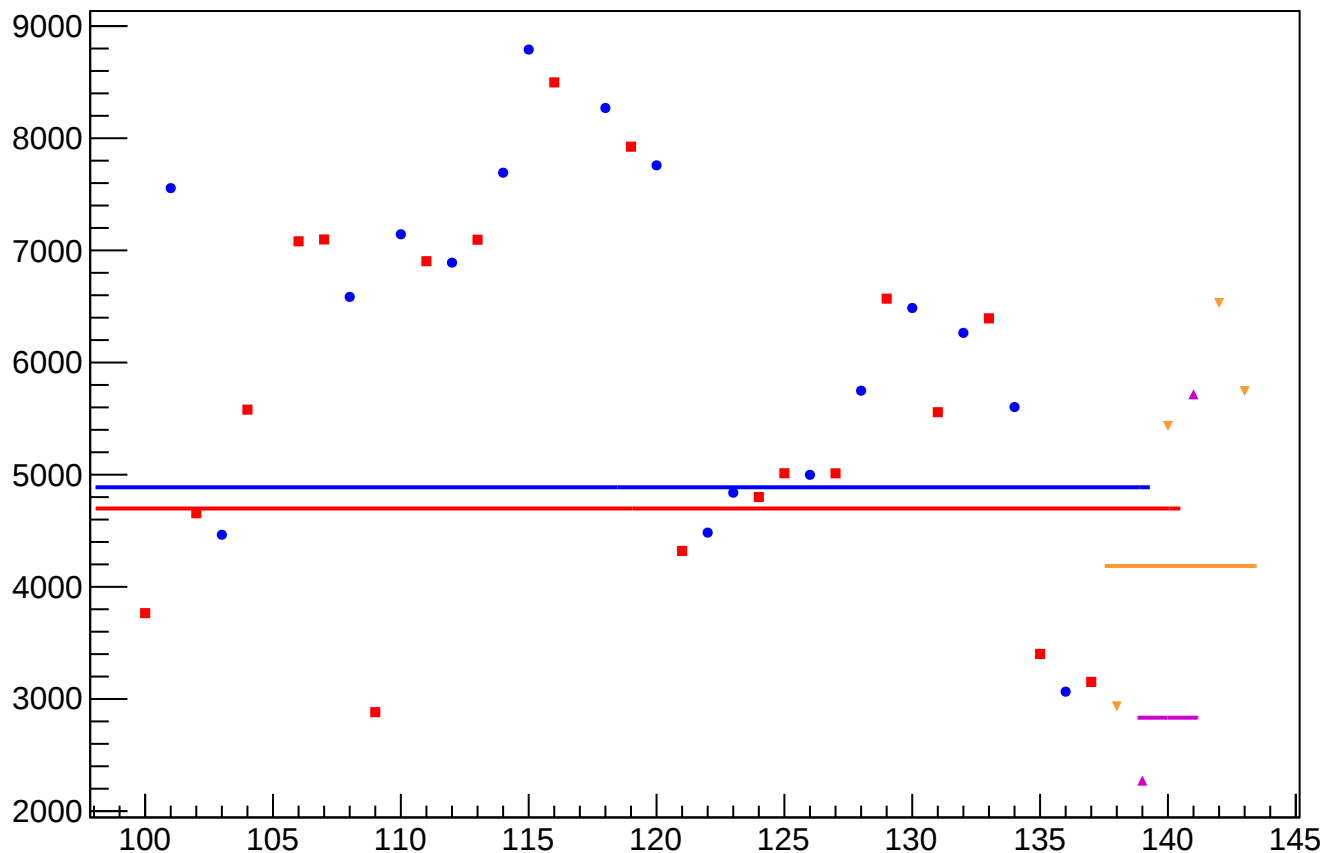
Right: -1.752 ± 1.378 χ^2/NDF : 37.6/35

In: -1.585 ± 1.573 χ^2/NDF : 18.4/18

Out: 0.078 ± 1.558 χ^2/NDF : 23.6/22

All: -0.746 ± 1.107 χ^2/NDF : 42.5/41

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4887.759+/-1.421 χ^2/NDF : 1408633.3/16

Left Out: 4185.869+/-1.938 χ^2/NDF : 534748.9/3

Right Out: 4698.374+/-1.339 χ^2/NDF : 1316063.8/18

Left In: 2833.192+/-1.787 χ^2/NDF : 506593.8/1

Left: 3454.470+/-1.314 χ^2/NDF : 1304627.2/5

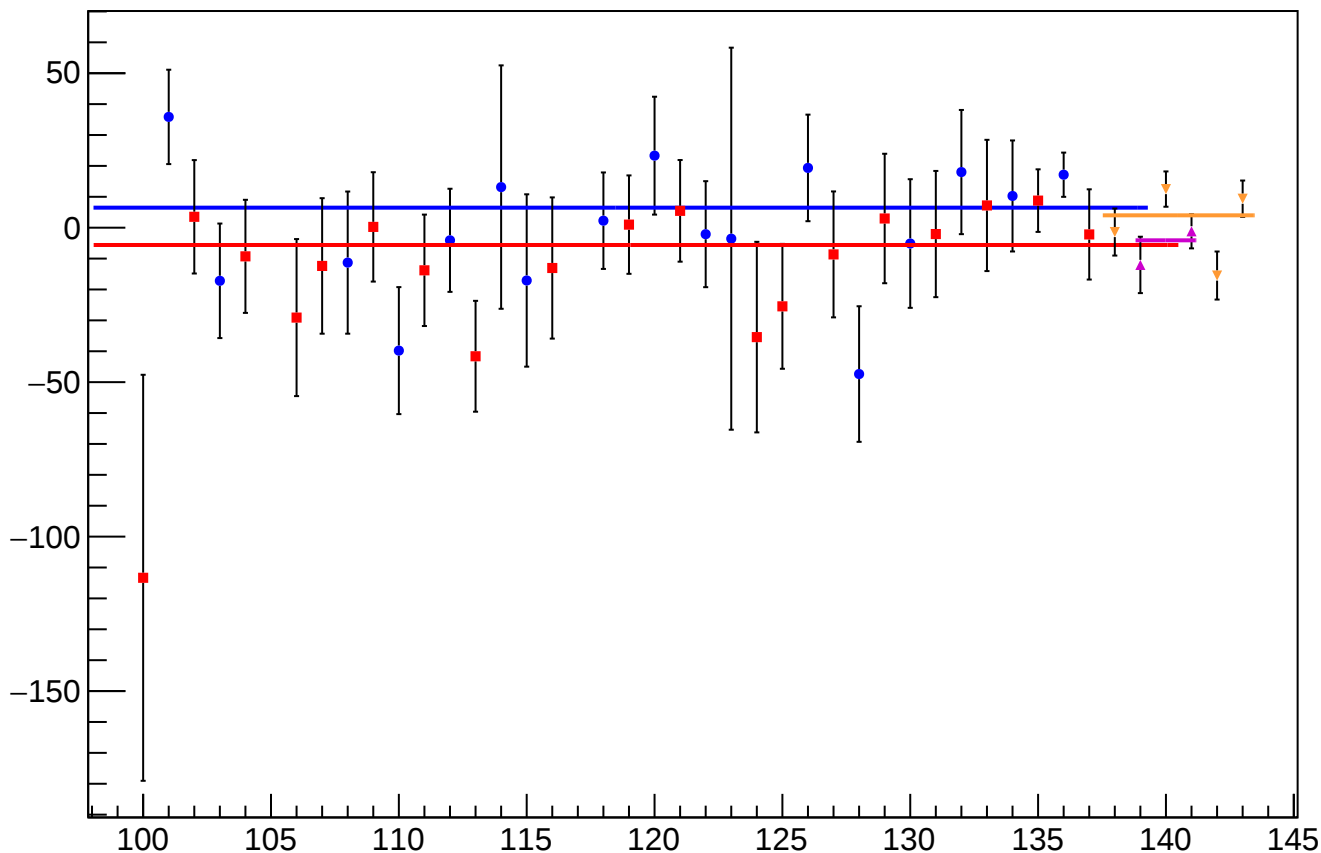
Right: 4787.445+/-0.975 χ^2/NDF : 2734101.5/35

In: 4091.428+/-1.112 χ^2/NDF : 2725121.8/18

Out: 4532.778+/-1.102 χ^2/NDF : 1898126.8/22

All: 4314.175+/-0.783 χ^2/NDF : 4702711.8/41

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.482 ± 4.072 $\chi^2/\text{NDF}: 22.7/16$

Left Out: 4.000 ± 3.274 $\chi^2/\text{NDF}: 9.8/3$

Right Out: -5.601 ± 4.227 $\chi^2/\text{NDF}: 13.6/18$

Left In: -4.090 ± 4.723 $\chi^2/\text{NDF}: 1.0/1$

Left: 1.375 ± 2.691 $\chi^2/\text{NDF}: 12.9/5$

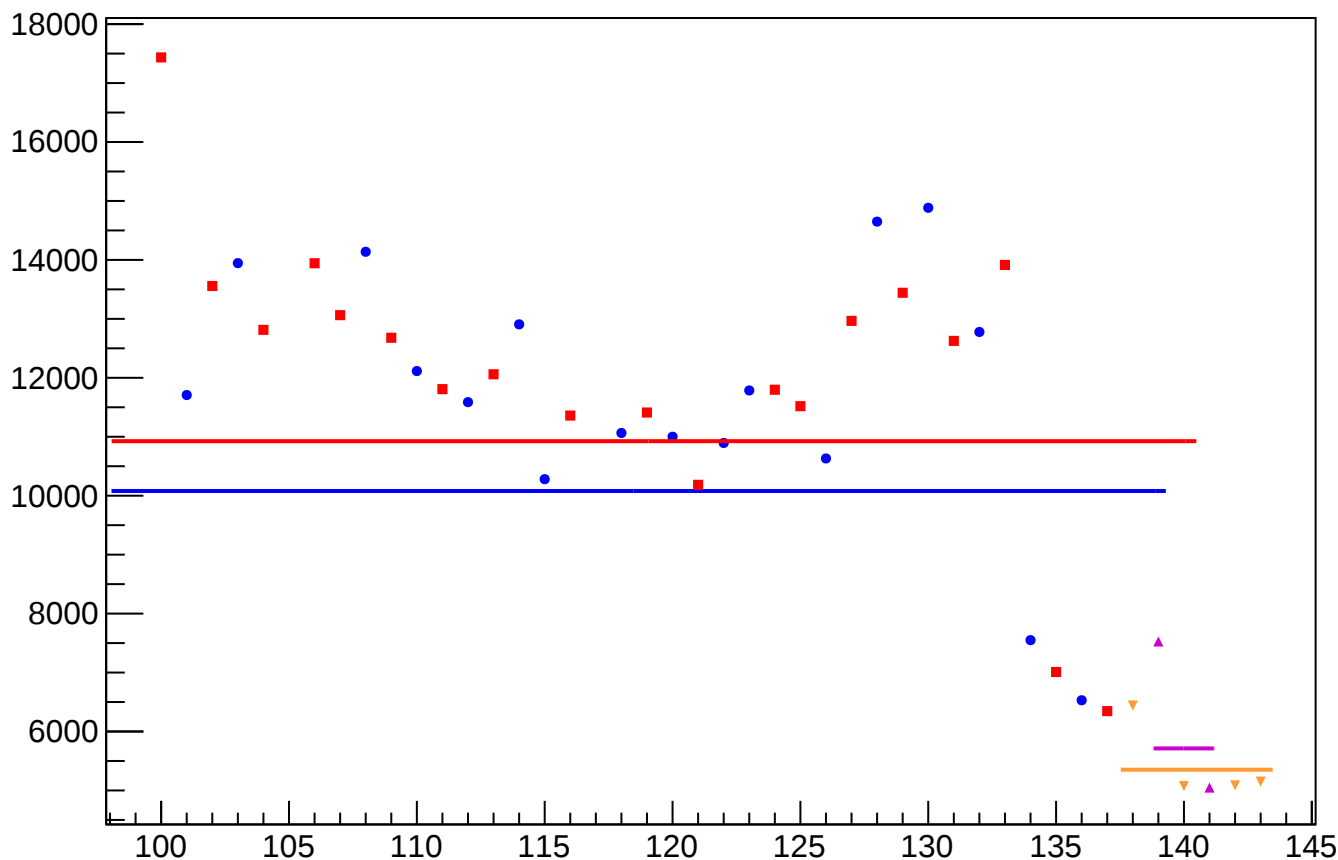
Right: 0.666 ± 2.933 $\chi^2/\text{NDF}: 40.5/35$

In: 1.975 ± 3.084 $\chi^2/\text{NDF}: 26.7/18$

Out: 0.401 ± 2.588 $\chi^2/\text{NDF}: 26.6/22$

All: 1.051 ± 1.983 $\chi^2/\text{NDF}: 53.4/41$

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10079.938 $\pm$ 2.879 χ^2/NDF : 999414.2/16

Left Out: 5351.762 $\pm$ 2.315 χ^2/NDF : 50348.5/3

Right Out: 10924.946 $\pm$ 2.989 χ^2/NDF : 769663.7/18

Left In: 5712.854 $\pm$ 3.340 χ^2/NDF : 108005.2/1

Left: 5468.935 $\pm$ 1.903 χ^2/NDF : 166249.0/5

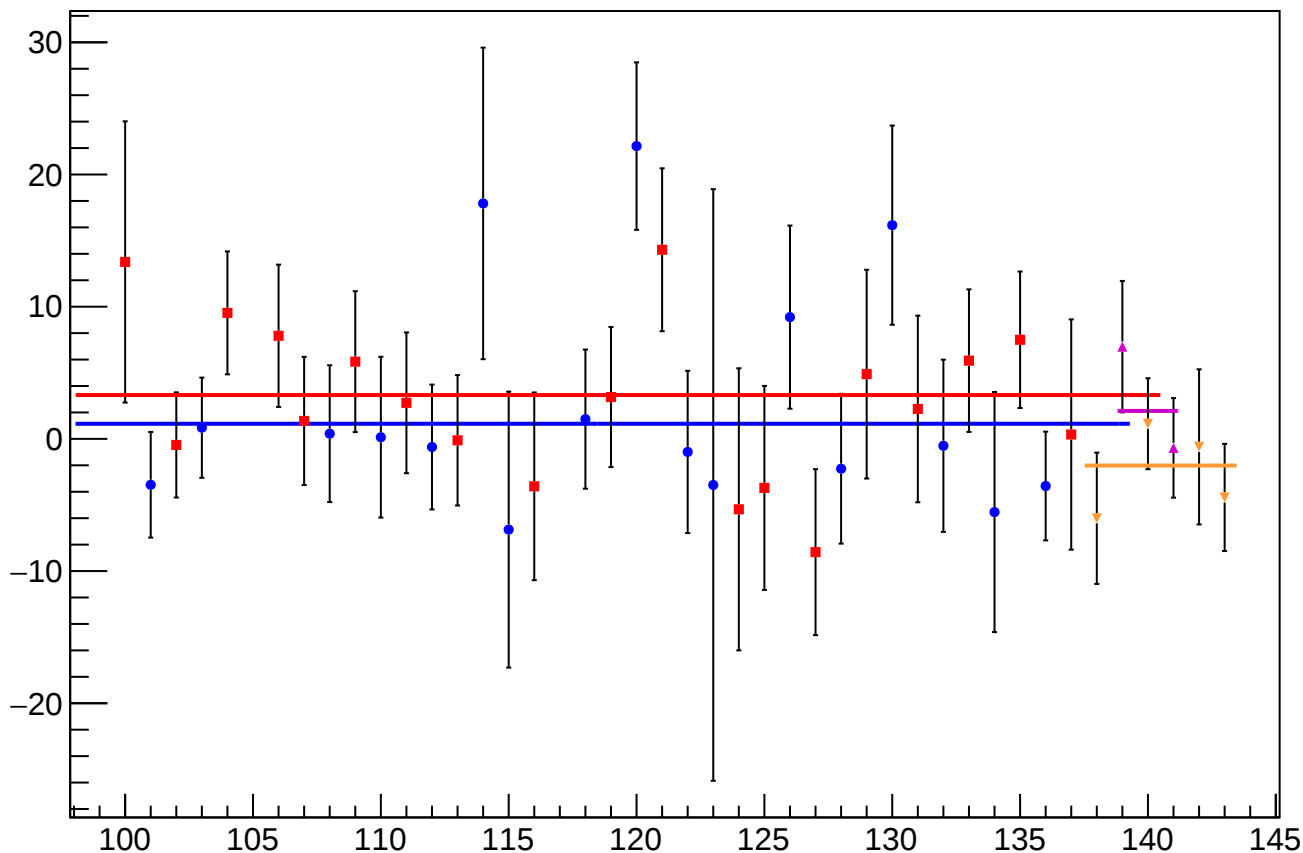
Right: 10486.688 $\pm$ 2.074 χ^2/NDF : 1810531.7/35

In: 8218.010 $\pm$ 2.181 χ^2/NDF : 2088107.2/18

Out: 7441.399 $\pm$ 1.830 χ^2/NDF : 2993211.3/22

All: 7762.319 $\pm$ 1.402 χ^2/NDF : 5155724.4/41

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.144+/-1.398 χ^2/NDF : 22.9/16

Left Out: -2.018+/-2.158 χ^2/NDF : 1.9/3

Right Out: 3.316+/-1.335 χ^2/NDF : 15.4/18

Left In: 2.115+/-3.002 χ^2/NDF : 1.5/1

Left: -0.610+/-1.752 χ^2/NDF : 4.7/5

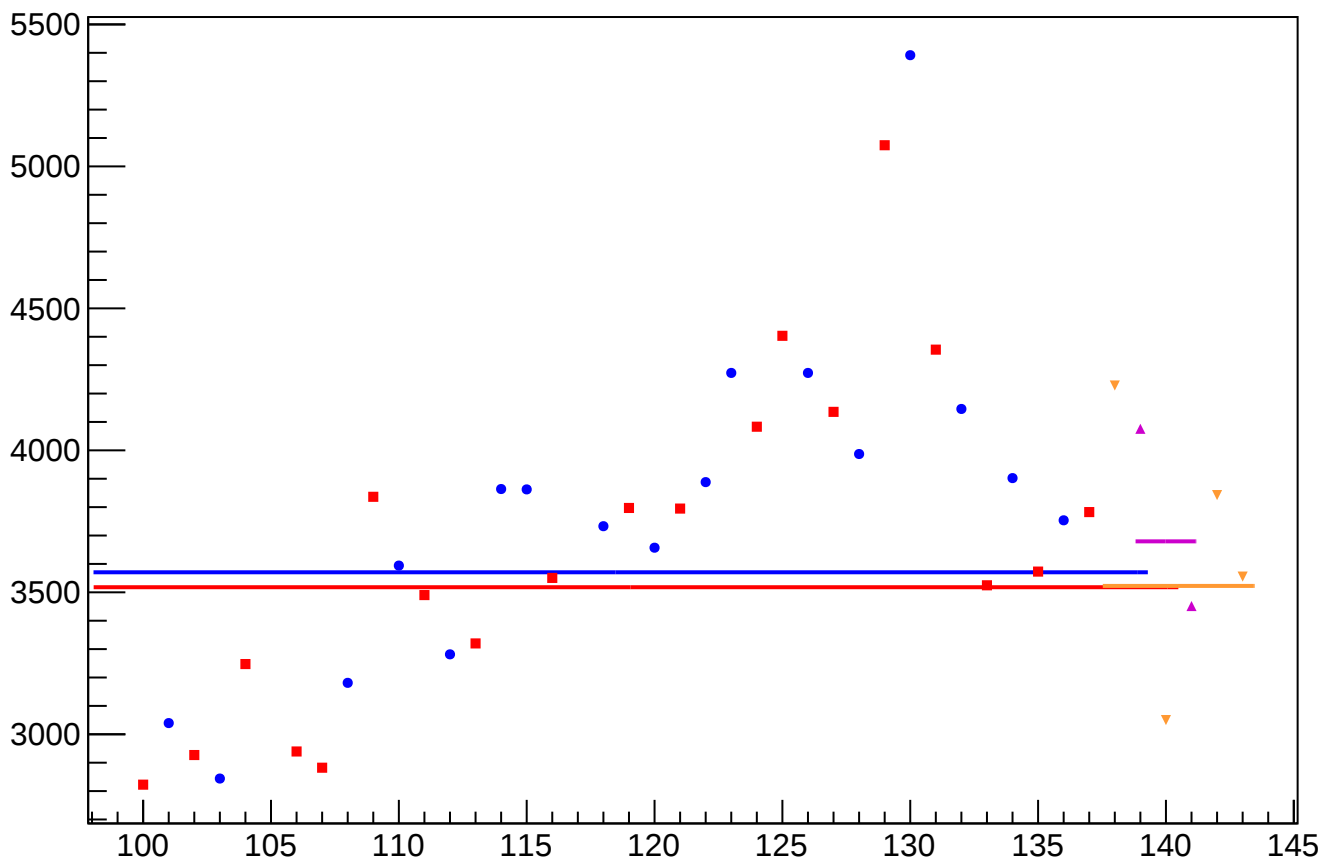
Right: 2.280+/-0.965 χ^2/NDF : 39.6/35

In: 1.317+/-1.267 χ^2/NDF : 24.5/18

Out: 1.839+/-1.135 χ^2/NDF : 21.7/22

All: 1.606+/-0.846 χ^2/NDF : 46.3/41

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3570.545 $\pm$ 0.988 χ^2/NDF : 310402.0/16

Left Out: 3522.535 $\pm$ 1.526 χ^2/NDF : 84152.1/3

Right Out: 3517.953 $\pm$ 0.944 χ^2/NDF : 296177.1/18

Left In: 3679.491 $\pm$ 2.123 χ^2/NDF : 20040.7/1

Left: 3575.992 $\pm$ 1.239 χ^2/NDF : 107797.4/5

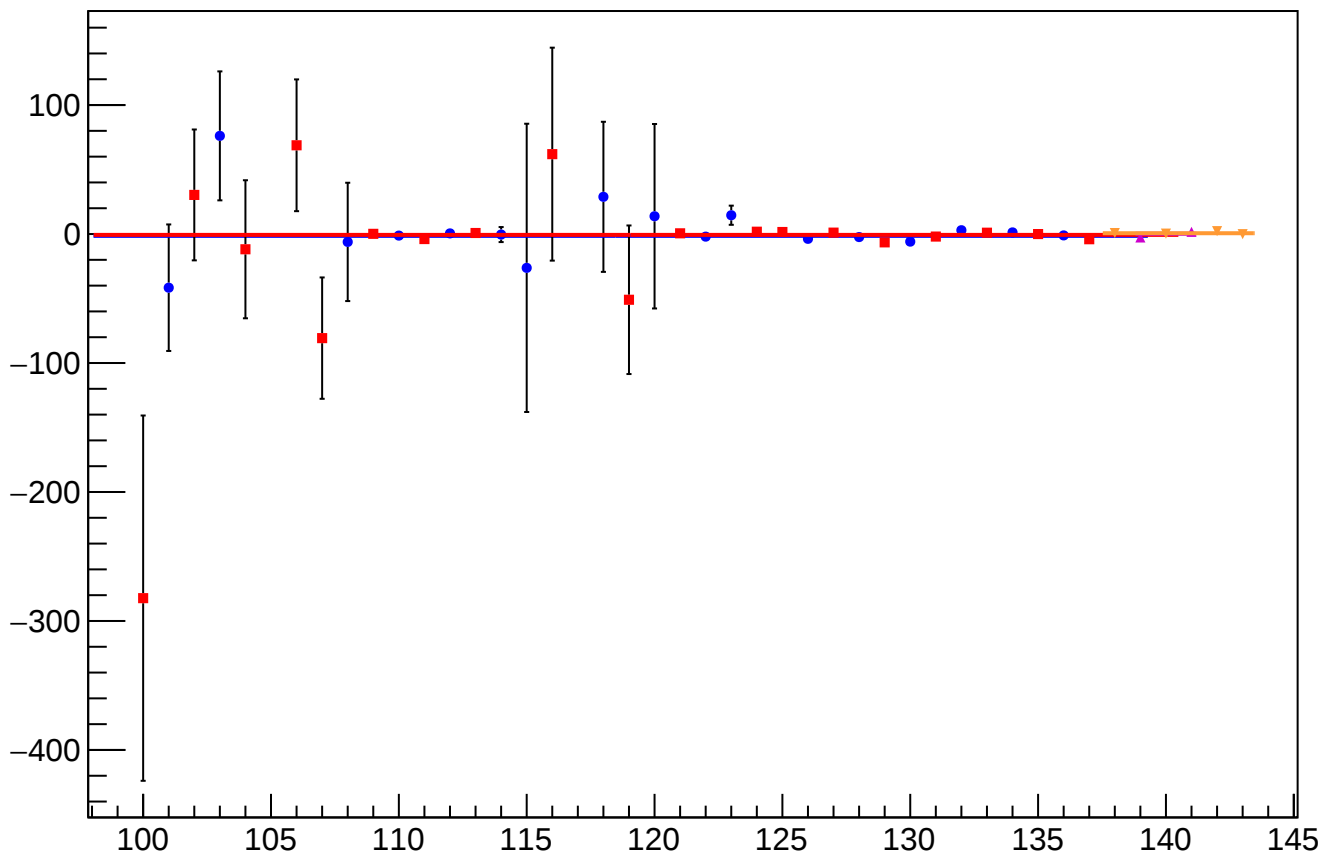
Right: 3543.048 $\pm$ 0.683 χ^2/NDF : 608059.5/35

In: 3589.952 $\pm$ 0.896 χ^2/NDF : 332607.3/18

Out: 3519.222 $\pm$ 0.803 χ^2/NDF : 380335.7/22

All: 3550.722 $\pm$ 0.598 χ^2/NDF : 716399.3/41

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.402 ± 0.751 χ^2/NDF : 16.7/16

Left Out: 0.625 ± 0.613 χ^2/NDF : 1.8/3

Right Out: -0.664 ± 0.713 χ^2/NDF : 21.5/18

Left In: 0.212 ± 0.828 χ^2/NDF : 6.2/1

Left: 0.479 ± 0.493 χ^2/NDF : 8.1/5

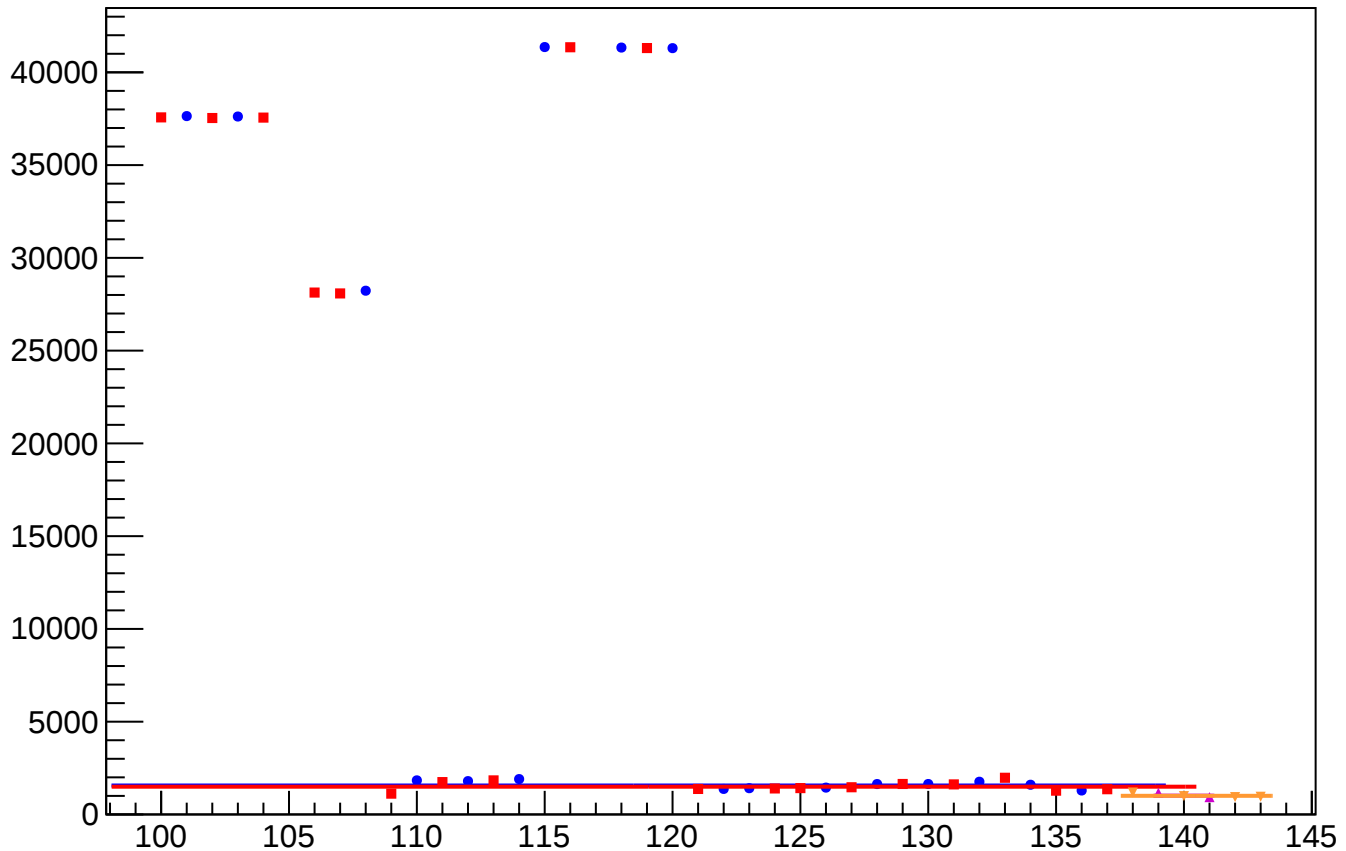
Right: -1.014 ± 0.517 χ^2/NDF : 38.7/35

In: -0.674 ± 0.556 χ^2/NDF : 25.0/18

Out: 0.077 ± 0.465 χ^2/NDF : 25.1/22

All: -0.232 ± 0.357 χ^2/NDF : 51.2/41

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1560.531 $\pm$ 0.531 χ^2 /NDF: 4753218.6/16

Left Out: 1004.776 $\pm$ 0.434 χ^2 /NDF: 41886.3/3

Right Out: 1496.346 $\pm$ 0.504 χ^2 /NDF: 4893466.6/18

Left In: 1013.848 $\pm$ 0.586 χ^2 /NDF: 35538.6/1

Left: 1007.988 $\pm$ 0.349 χ^2 /NDF: 77579.8/5

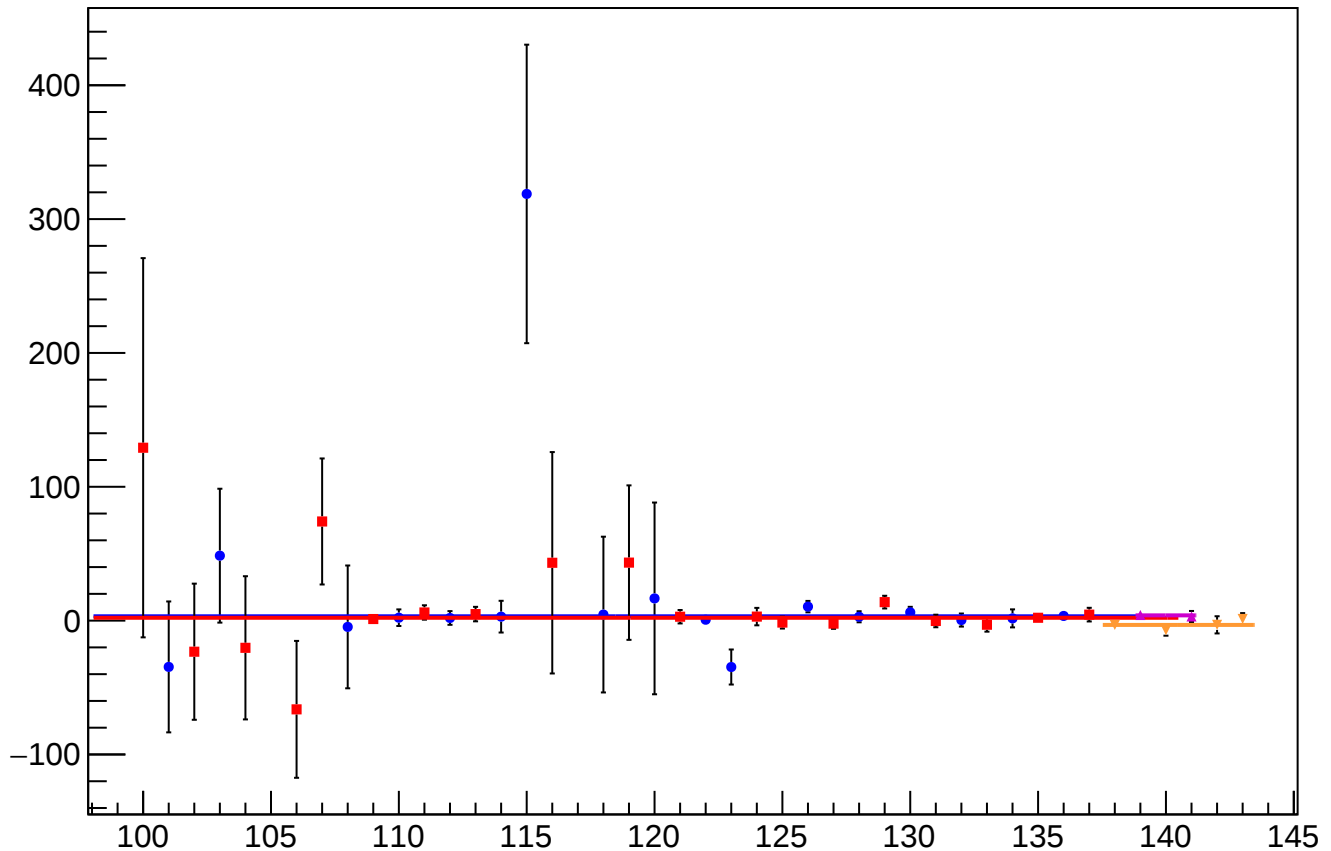
Right: 1526.792 $\pm$ 0.366 χ^2 /NDF: 9654372.3/35

In: 1314.040 $\pm$ 0.393 χ^2 /NDF: 5267093.6/18

Out: 1213.776 $\pm$ 0.329 χ^2 /NDF: 5481739.3/22

All: 1255.017 $\pm$ 0.252 χ^2 /NDF: 10787088.8/4

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 3.232 $\pm$ 1.328 χ^2 /NDF: 22.2/16

Left Out: -3.210 $\pm$ 1.737 χ^2 /NDF:2.0/3

Right Out: 2.138 $\pm$ 1.239 χ^2 /NDF: 16.5/18

Left In: 3.933 $\pm$ 2.051 χ^2 /NDF:0.1/1

Left: -0.227 $\pm$ 1.326 χ^2 /NDF: 9.1/5

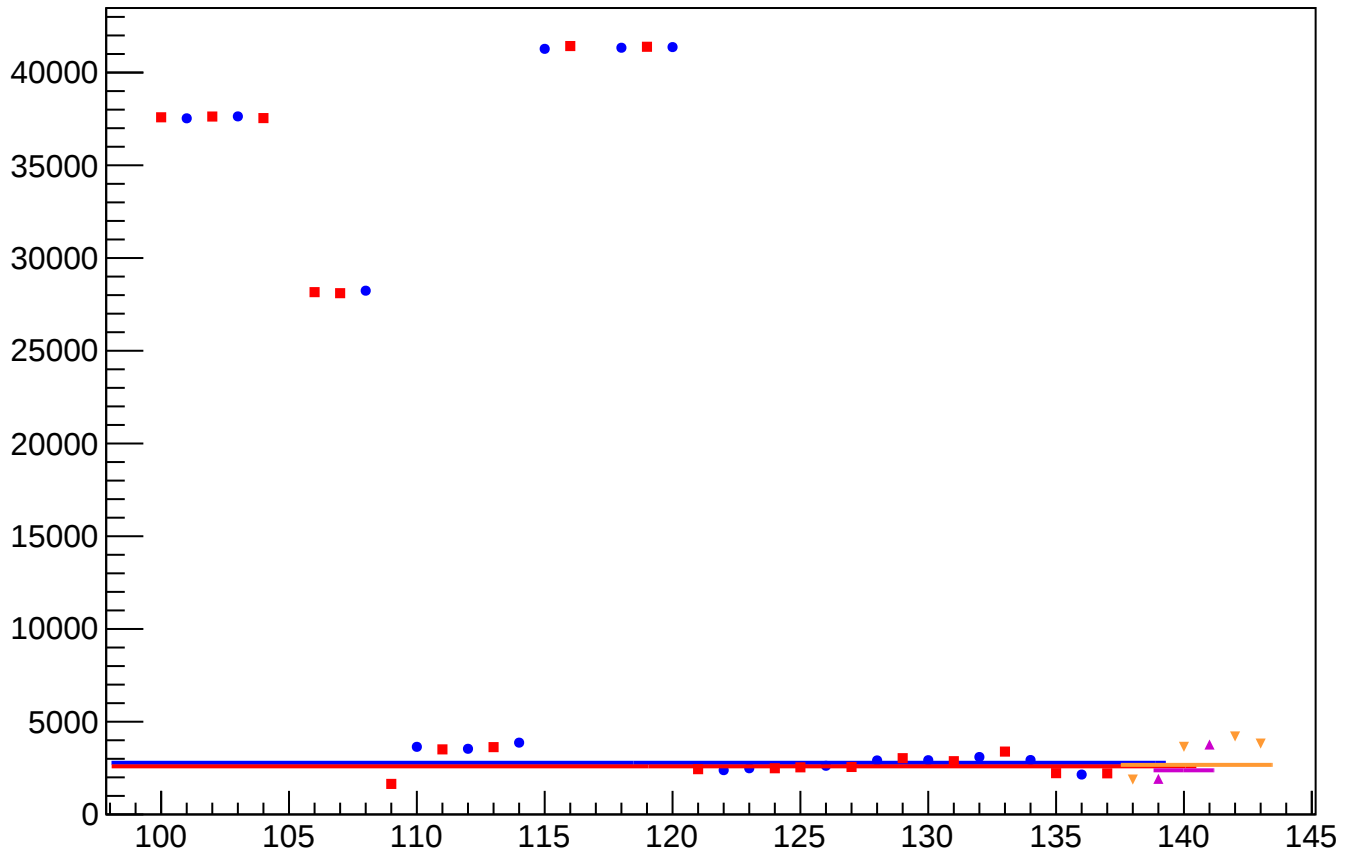
Right: 2.648 $\pm$ 0.906 χ^2 /NDF: 39.1/35

In: 3.439 $\pm$ 1.115 χ^2 /NDF:22.4/18

Out: 0.334 $\pm$ 1.009 χ^2 /NDF:24.8/22

All: 1.732 $\pm$ 0.748 χ^2 /NDF: 51.4/41

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2786.135 ± 0.939 $\chi^2/\text{NDF}: 4576694.3/16$

Left Out: 2673.414 ± 1.228 $\chi^2/\text{NDF}: 609211.3/3$

Right Out: 2593.843 ± 0.876 $\chi^2/\text{NDF}: 4848397.1/18$

Left In: 2379.852 ± 1.450 $\chi^2/\text{NDF}: 303357.3/1$

Left: 2550.809 ± 0.937 $\chi^2/\text{NDF}: 936425.6/5$

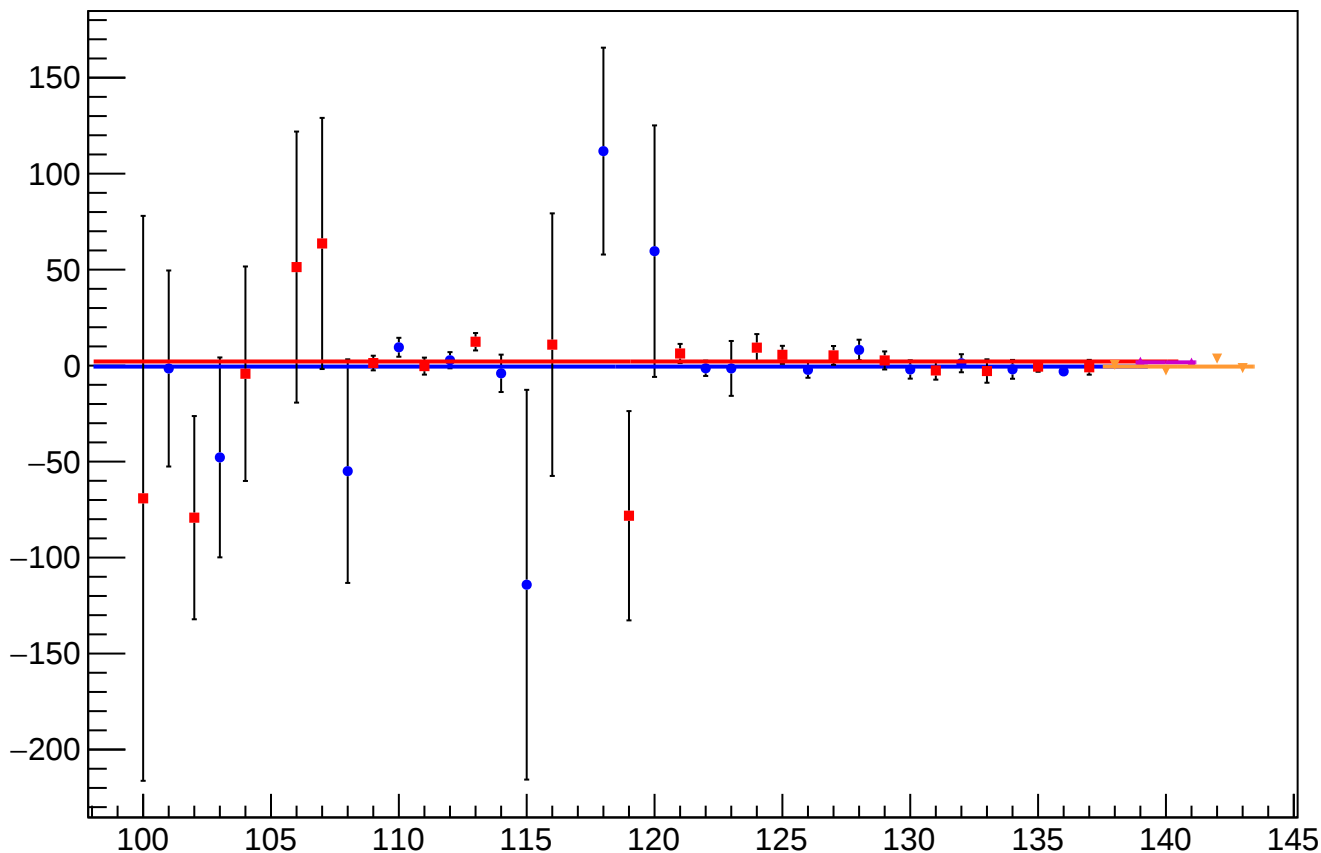
Right: 2683.369 ± 0.641 $\chi^2/\text{NDF}: 9447510.4/35$

In: 2666.166 ± 0.788 $\chi^2/\text{NDF}: 4935348.5/18$

Out: 2620.682 ± 0.713 $\chi^2/\text{NDF}: 5460389.6/22$

All: 2641.164 ± 0.529 $\chi^2/\text{NDF}: 10397568.9/4$

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -0.510 ± 1.222 χ^2/NDF : 18.0/16

Left Out: -0.499 ± 0.910 χ^2/NDF : 5.7/3

Right Out: 2.152 ± 1.250 χ^2/NDF : 17.6/18

Left In: 1.697 ± 1.285 χ^2/NDF : 0.0/1

Left: 0.235 ± 0.743 χ^2/NDF : 7.7/5

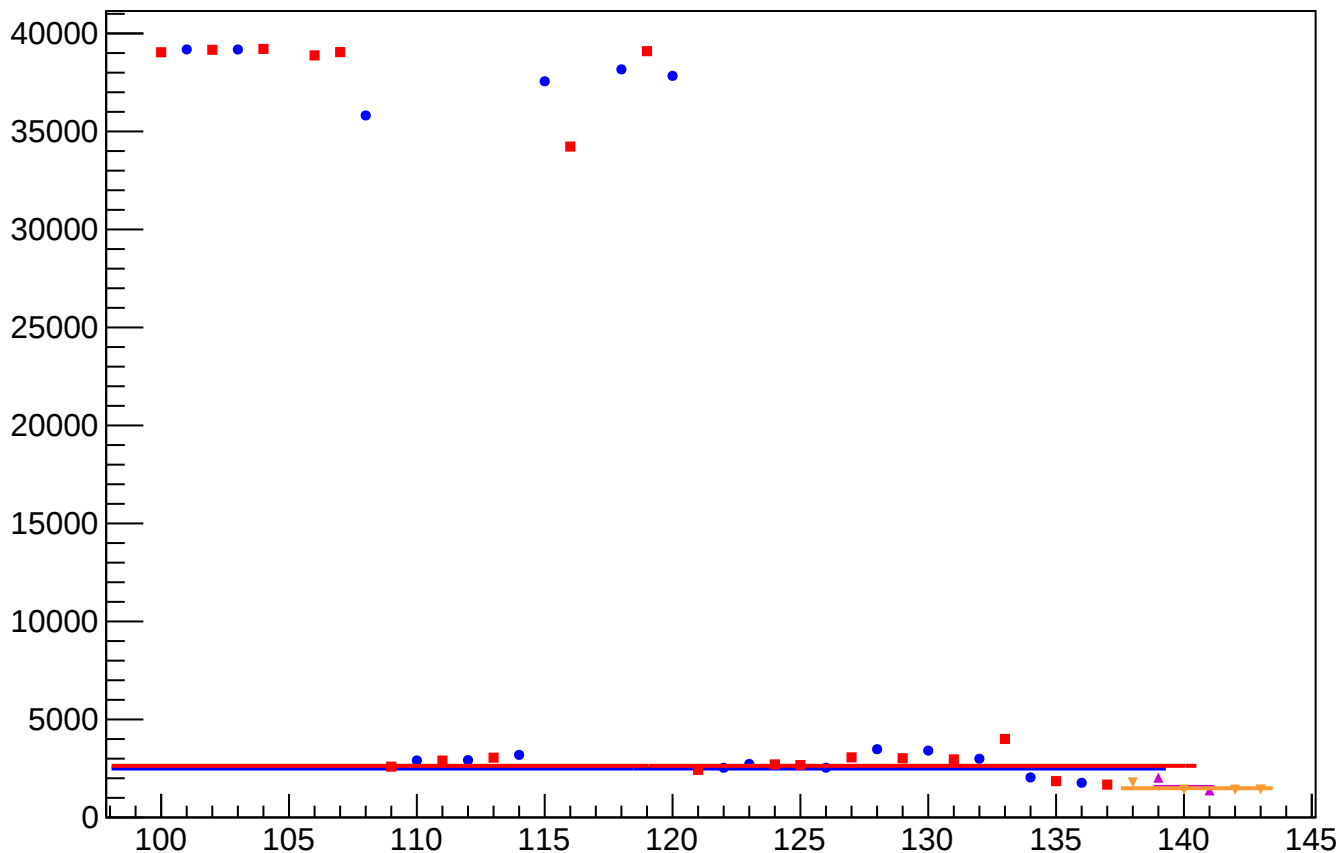
Right: 0.791 ± 0.874 χ^2/NDF : 37.9/35

In: 0.538 ± 0.885 χ^2/NDF : 19.5/18

Out: 0.420 ± 0.736 χ^2/NDF : 26.3/22

All: 0.468 ± 0.566 χ^2/NDF : 45.8/41

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2496.856+/-0.864 χ^2/NDF : 4887806.1/16

Left Out: 1490.535+/-0.644 χ^2/NDF : 48219.2/3

Right Out: 2634.601+/-0.884 χ^2/NDF : 4861733.2/18

Left In: 1557.404+/-0.909 χ^2/NDF : 101619.2/1

Left: 1512.876+/-0.525 χ^2/NDF : 153444.6/5

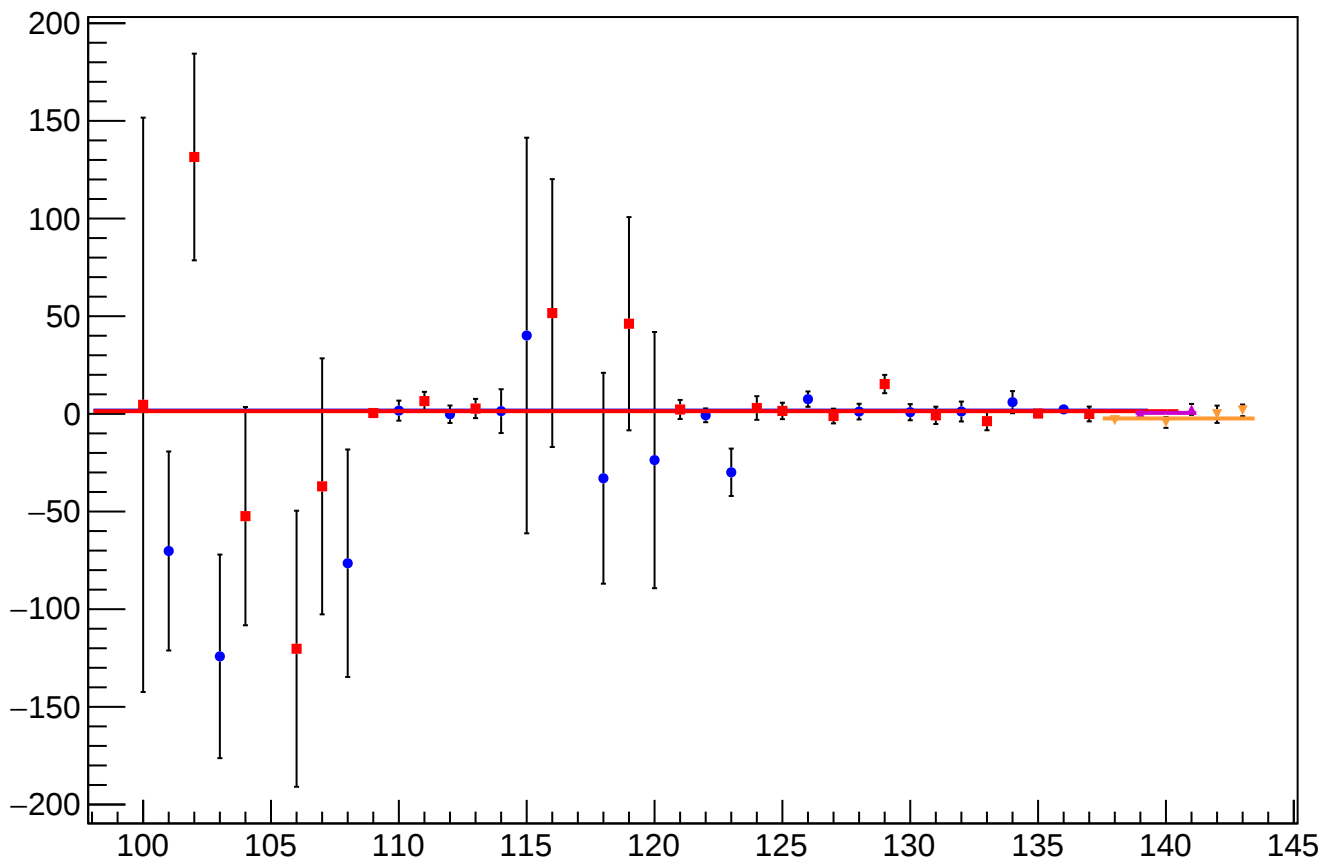
Right: 2564.162+/-0.618 χ^2/NDF : 9761958.6/35

In: 2050.786+/-0.626 χ^2/NDF : 5550790.8/18

Out: 1886.972+/-0.520 χ^2/NDF : 6004767.1/22

All: 1953.885+/-0.400 χ^2/NDF : 11596046.9/4

diff_bpm1p03aY_mean vs Slug, Sign Corrected



Right In: 1.671 ± 1.146 $\chi^2/\text{NDF}: 20.7/16$

Left Out: -2.355 ± 1.248 $\chi^2/\text{NDF}: 3.0/3$

Right Out: 1.380 ± 1.065 $\chi^2/\text{NDF}: 24.1/18$

Left In: 0.503 ± 1.243 $\chi^2/\text{NDF}: 0.5/1$

Left: -0.920 ± 0.881 $\chi^2/\text{NDF}: 6.1/5$

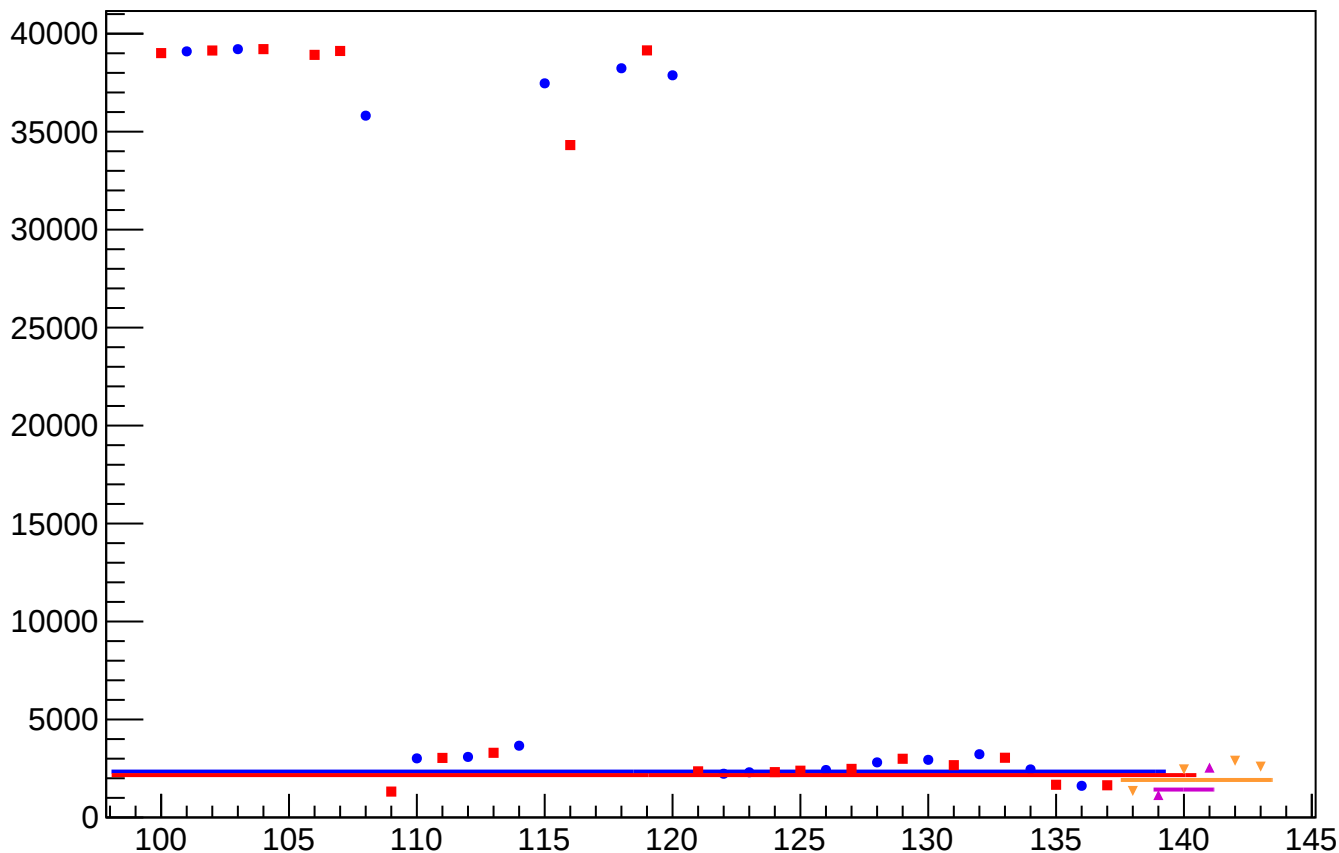
Right: 1.515 ± 0.780 $\chi^2/\text{NDF}: 44.9/35$

In: 1.134 ± 0.843 $\chi^2/\text{NDF}: 21.7/18$

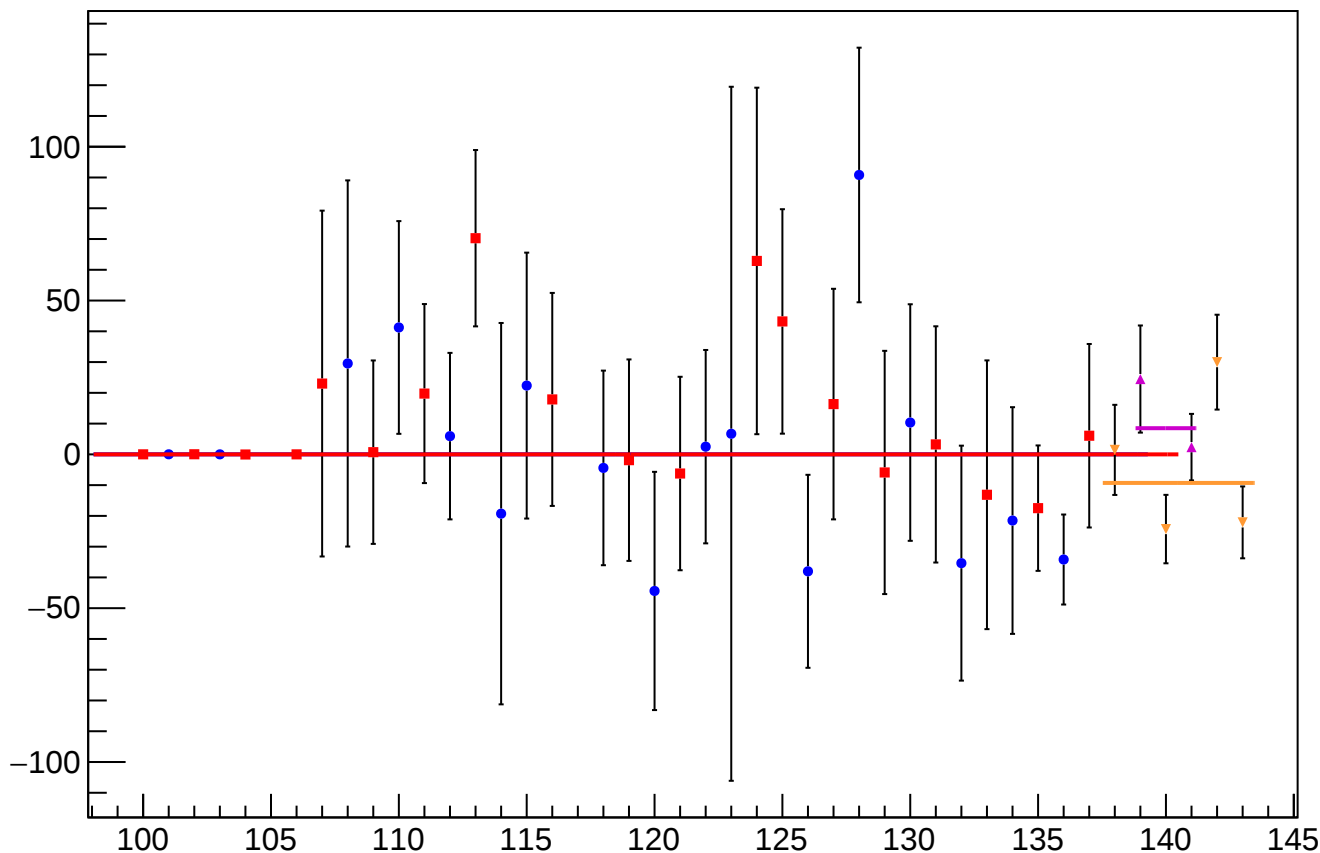
Out: -0.194 ± 0.810 $\chi^2/\text{NDF}: 32.2/22$

All: 0.444 ± 0.584 $\chi^2/\text{NDF}: 55.3/41$

diff_bpm1p03aY_rms vs Slug, Sign Corrected



diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013 ± 0.017 $\chi^2/\text{NDF}: 16.6/16$

Left Out: -9.282 ± 6.418 $\chi^2/\text{NDF}: 10.0/3$

Right Out: -0.003 ± 0.016 $\chi^2/\text{NDF}: 15.5/18$

Left In: 8.507 ± 9.182 $\chi^2/\text{NDF}: 1.2/1$

Left: -3.443 ± 5.260 $\chi^2/\text{NDF}: 13.7/5$

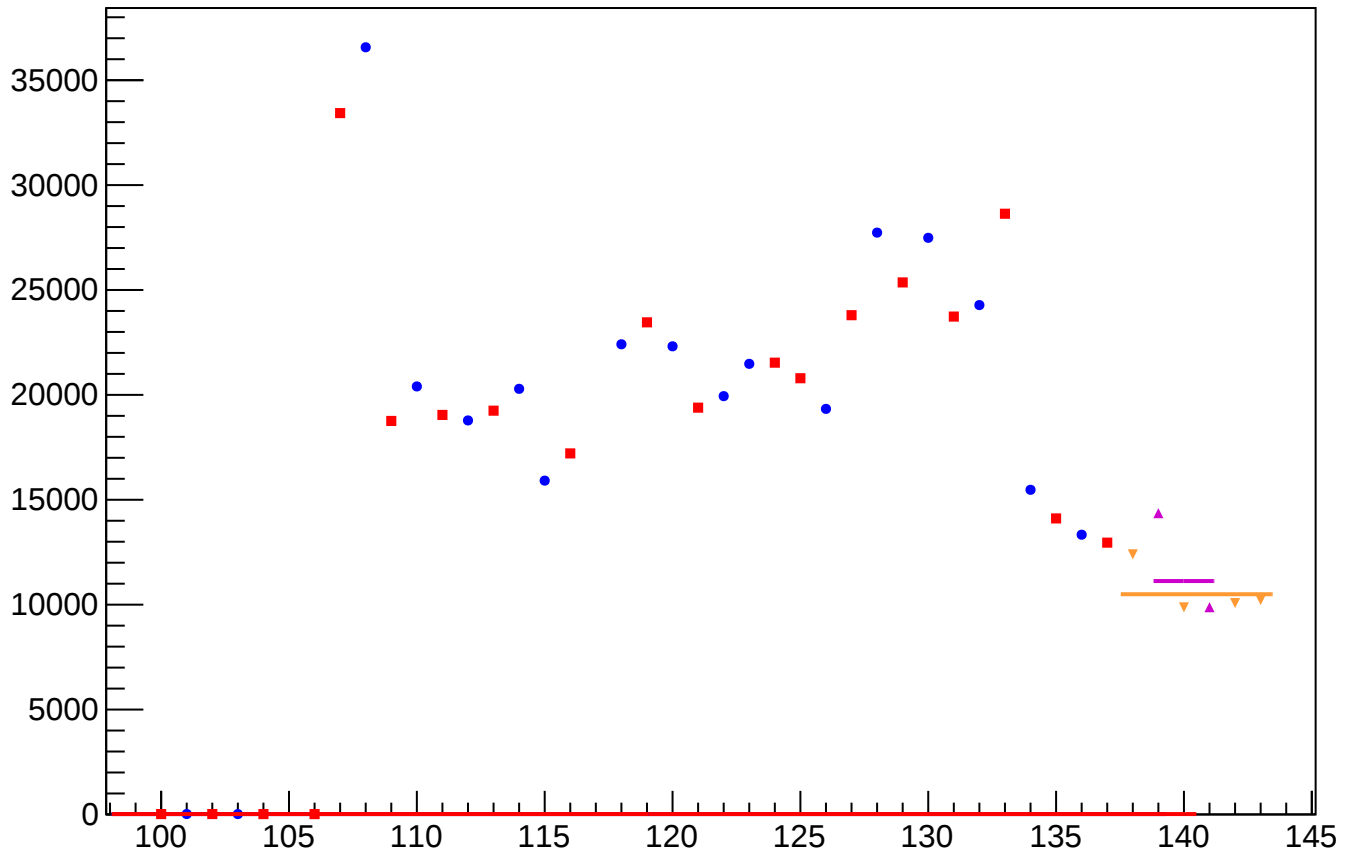
Right: 0.004 ± 0.012 $\chi^2/\text{NDF}: 32.6/35$

In: 0.013 ± 0.017 $\chi^2/\text{NDF}: 18.6/18$

Out: -0.003 ± 0.016 $\chi^2/\text{NDF}: 27.6/22$

All: 0.004 ± 0.012 $\chi^2/\text{NDF}: 46.8/41$

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.641 ± 0.012 $\chi^2/\text{NDF}: 10941777.3/16$

Left Out: 10497.397 ± 4.538 $\chi^2/\text{NDF}: 42653.4/3$

Right Out: 18.311 ± 0.011 $\chi^2/\text{NDF}: 11063399.8/18$

Left In: 11125.888 ± 6.493 $\chi^2/\text{NDF}: 95689.3/1$

Left: 10703.681 ± 3.720 $\chi^2/\text{NDF}: 144637.6/5$

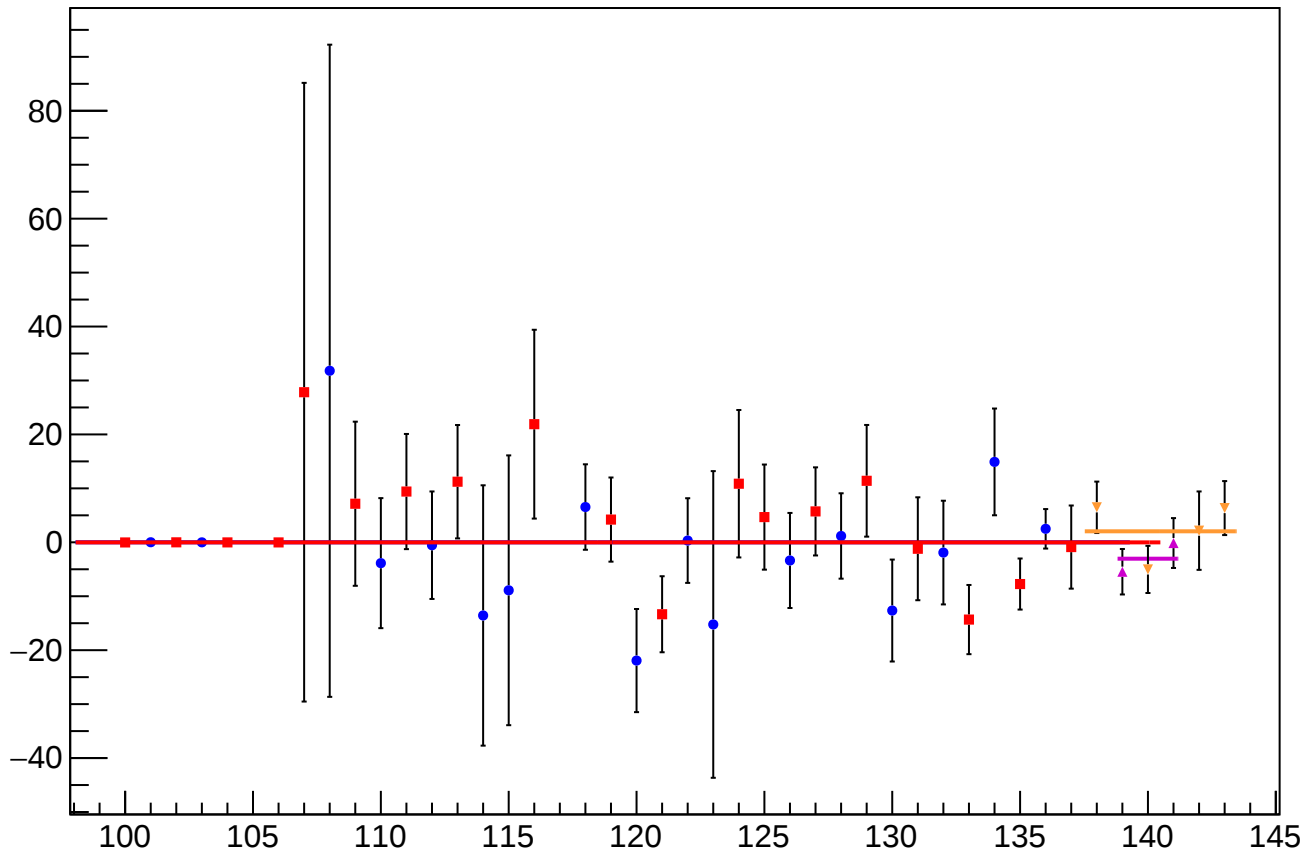
Right: 18.464 ± 0.008 $\chi^2/\text{NDF}: 22005567.3/35$

In: 18.681 ± 0.012 $\chi^2/\text{NDF}: 13964159.3/18$

Out: 18.377 ± 0.011 $\chi^2/\text{NDF}: 16437787.0/22$

All: 18.517 ± 0.008 $\chi^2/\text{NDF}: 30402277.2/41$

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 12.9/16

Left Out: 2.039 $\pm$ 2.538 χ^2 /NDF: 4.2/3

Right Out: -0.014 $\pm$ 0.009 χ^2 /NDF: 18.8/18

Left In: -3.039 $\pm$ 3.115 χ^2 /NDF: 0.7/1

Left: 0.013 $\pm$ 1.968 χ^2 /NDF: 6.5/5

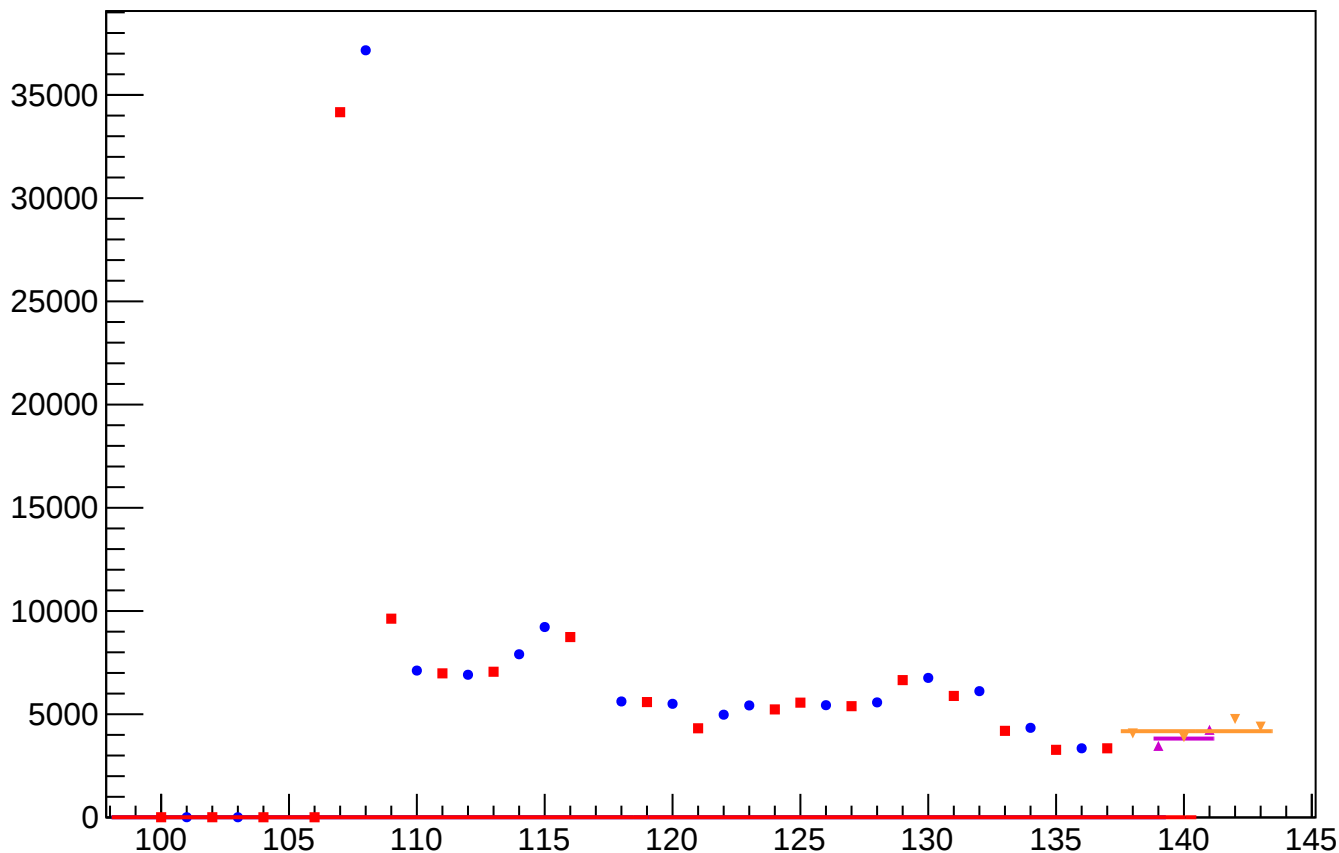
Right: -0.007 $\pm$ 0.006 χ^2 /NDF: 33.0/35

In: 0.001 $\pm$ 0.009 χ^2 /NDF: 14.6/18

Out: -0.014 $\pm$ 0.009 χ^2 /NDF: 23.6/22

All: -0.007 $\pm$ 0.006 χ^2 /NDF: 39.6/41

diff_cav4bY_rms vs Slug, Sign Corrected



Right In: 9.939+/-0.007 χ^2/NDF : 11067258.7/16

Left Out: 4178.666+/-1.795 χ^2/NDF : 26927.0/3

Right Out: 9.854+/-0.006 χ^2/NDF : 11113759.9/18

Left In: 3821.107+/-2.203 χ^2/NDF : 30889.8/1

Left: 4036.016+/-1.391 χ^2/NDF : 73652.1/5

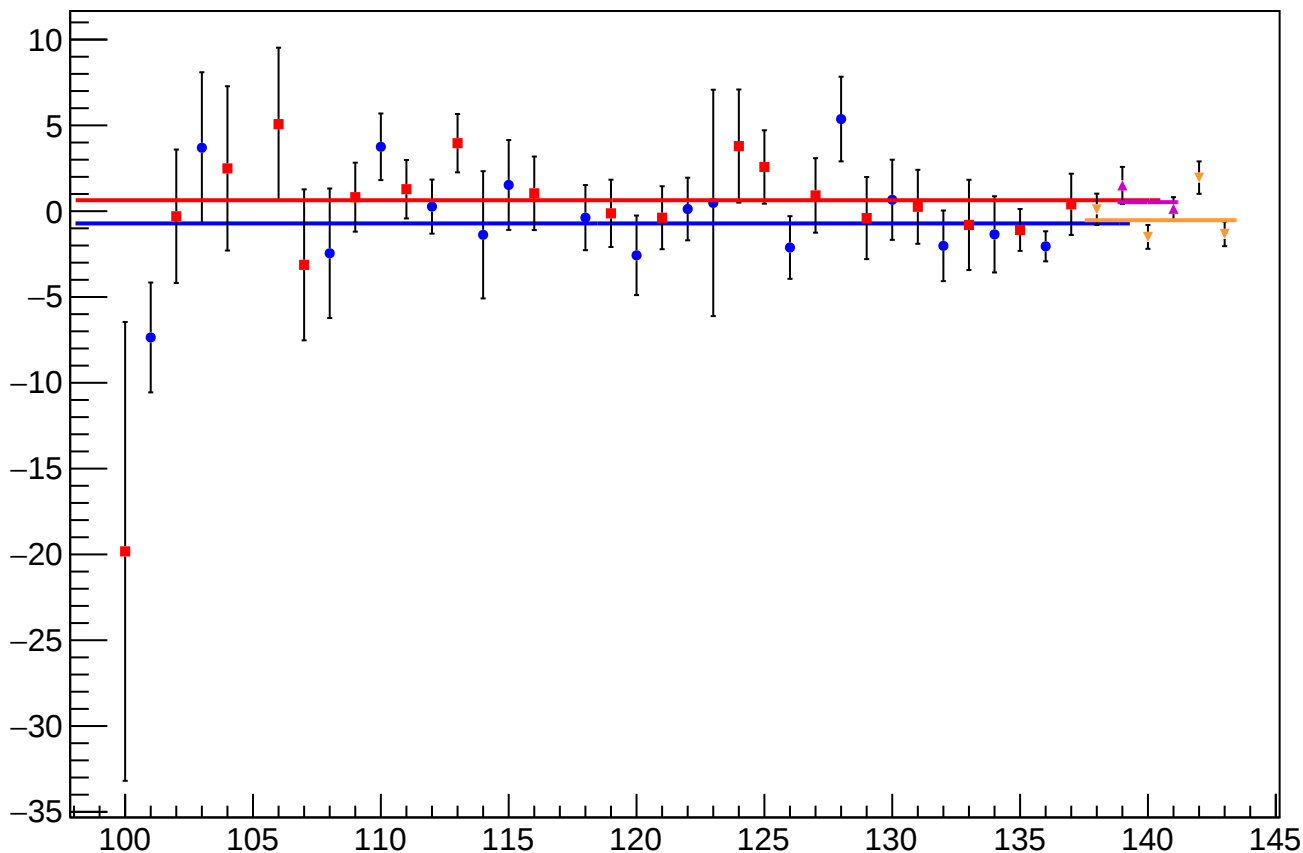
Right: 9.894+/-0.004 χ^2/NDF : 22181108.5/35

In: 9.972+/-0.007 χ^2/NDF : 14091368.0/18

Out: 9.902+/-0.006 χ^2/NDF : 16536147.8/22

All: 9.935+/-0.004 χ^2/NDF : 30627576.4/41

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.713 ± 0.483 χ^2/NDF : 22.7/16

Left Out: -0.527 ± 0.398 χ^2/NDF : 10.6/3

Right Out: 0.638 ± 0.501 χ^2/NDF : 13.1/18

Left In: 0.525 ± 0.574 χ^2/NDF : 1.1/1

Left: -0.185 ± 0.327 χ^2/NDF : 14.0/5

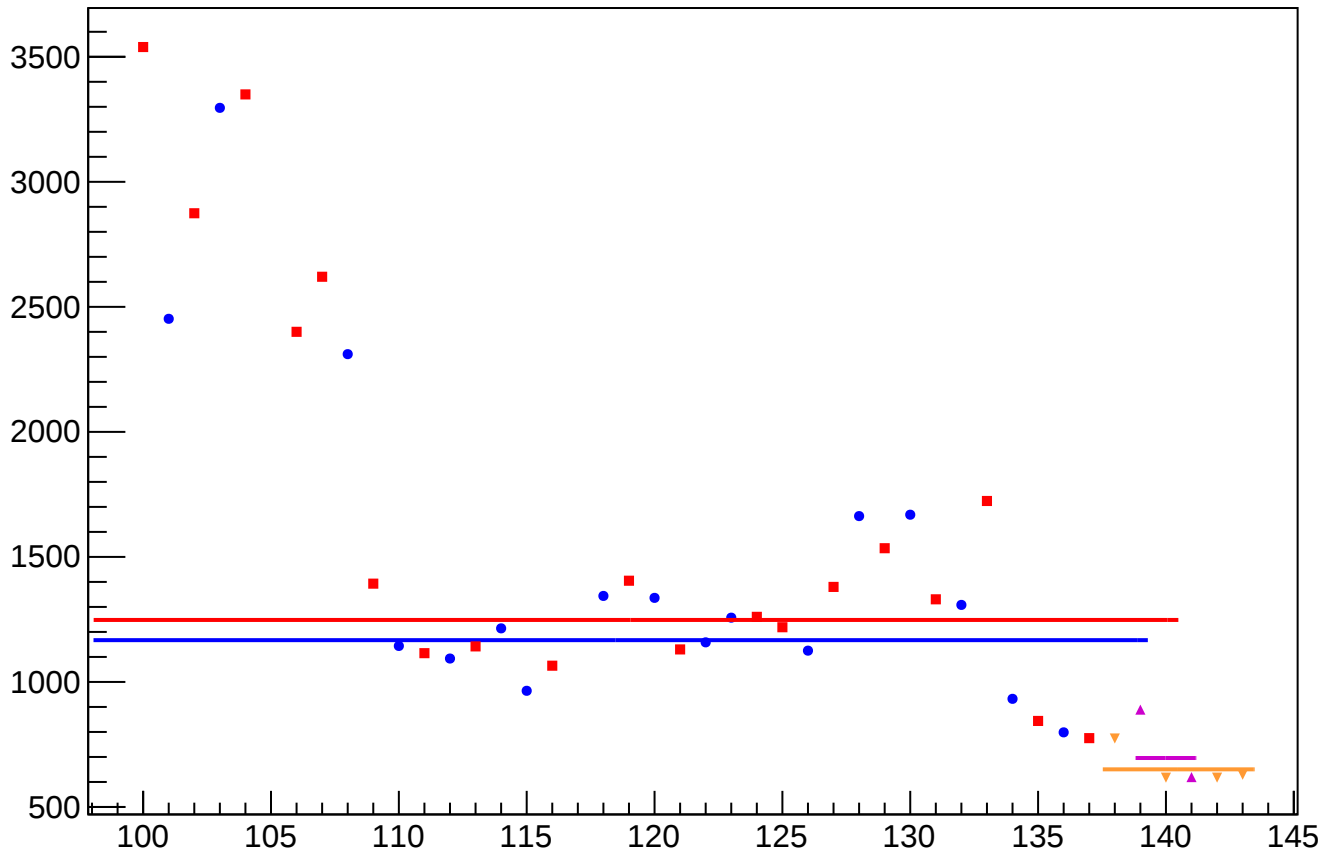
Right: -0.063 ± 0.348 χ^2/NDF : 39.5/35

In: -0.199 ± 0.370 χ^2/NDF : 26.6/18

Out: -0.077 ± 0.312 χ^2/NDF : 26.9/22

All: -0.128 ± 0.238 χ^2/NDF : 53.6/41

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1167.121+/-0.342 χ^2/NDF : 1580218.1/16

Left Out: 650.458+/-0.281 χ^2/NDF : 45371.3/3

Right Out: 1247.915+/-0.355 χ^2/NDF : 1653323.6/18

Left In: 695.840+/-0.406 χ^2/NDF : 89830.3/1

Left: 665.183+/-0.231 χ^2/NDF : 143660.2/5

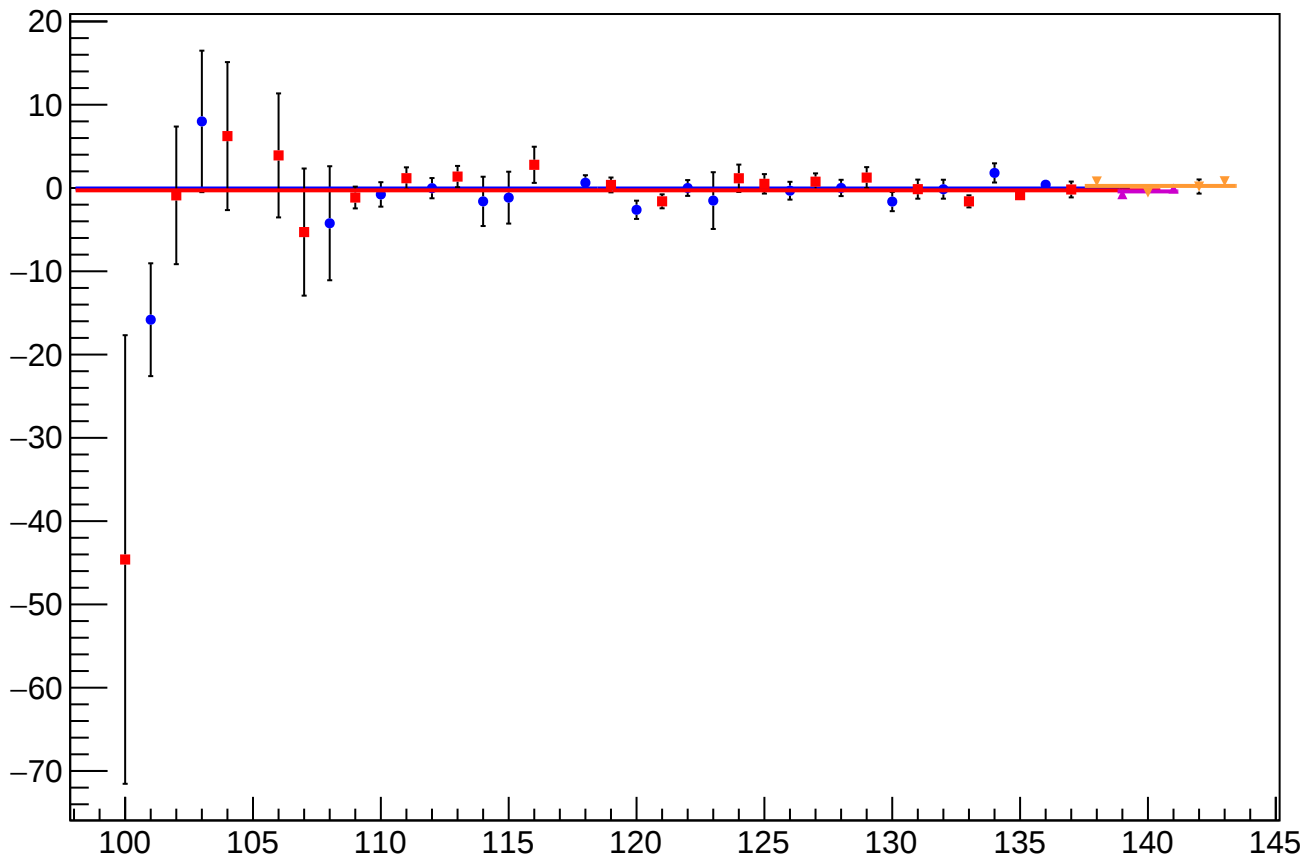
Right: 1206.012+/-0.246 χ^2/NDF : 3260466.3/35

In: 971.520+/-0.261 χ^2/NDF : 2459938.5/18

Out: 880.999+/-0.220 χ^2/NDF : 3442100.6/22

All: 918.606+/-0.168 χ^2/NDF : 5972200.9/41

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.060 ± 0.269 χ^2/NDF : 19.1/16

Left Out: 0.250 ± 0.300 χ^2/NDF : 4.2/3

Right Out: -0.280 ± 0.264 χ^2/NDF : 20.5/18

Left In: -0.409 ± 0.376 χ^2/NDF : 0.8/1

Left: -0.006 ± 0.235 χ^2/NDF : 6.9/5

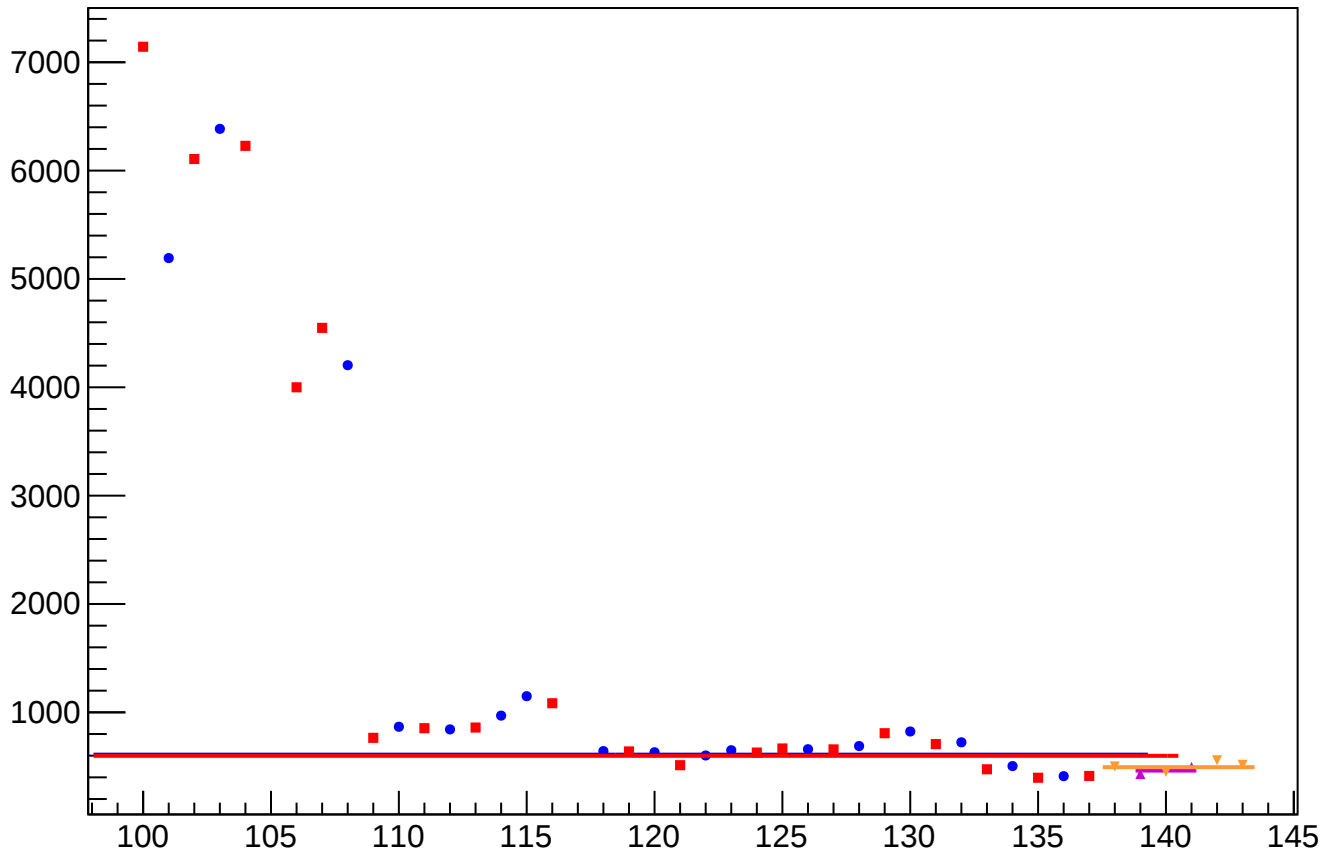
Right: -0.172 ± 0.189 χ^2/NDF : 40.0/35

In: -0.178 ± 0.219 χ^2/NDF : 20.5/18

Out: -0.048 ± 0.198 χ^2/NDF : 26.5/22

All: -0.107 ± 0.147 χ^2/NDF : 47.2/41

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 609.385 ± 0.190 χ^2/NDF : 3134318.6/16

Left Out: 493.980 ± 0.212 χ^2/NDF : 28881.0/3

Right Out: 598.820 ± 0.187 χ^2/NDF : 3552236.2/18

Left In: 462.629 ± 0.266 χ^2/NDF : 14902.5/1

Left: 481.800 ± 0.166 χ^2/NDF : 52272.8/5

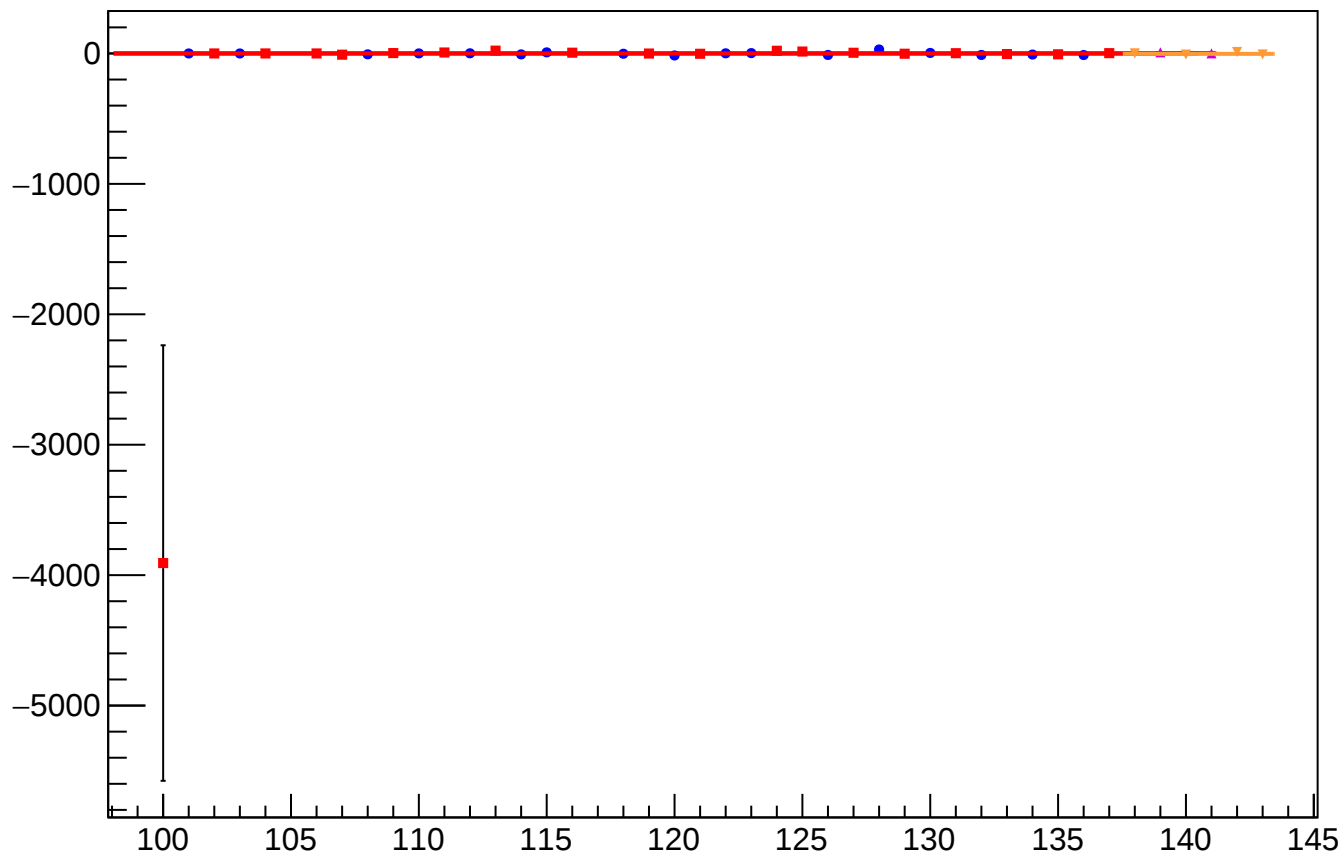
Right: 604.012 ± 0.133 χ^2/NDF : 6688123.9/35

In: 559.751 ± 0.155 χ^2/NDF : 3350547.7/18

Out: 552.974 ± 0.140 χ^2/NDF : 3718607.8/22

All: 556.031 ± 0.104 χ^2/NDF : 7070208.8/41

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022 ± 0.021 χ^2/NDF : 16.0/16

Left Out: -3.010 ± 2.295 χ^2/NDF : 10.6/3

Right Out: 0.027 ± 0.020 χ^2/NDF : 17.4/18

Left In: 3.039 ± 3.318 χ^2/NDF : 1.1/1

Left: -1.053 ± 1.888 χ^2/NDF : 14.0/5

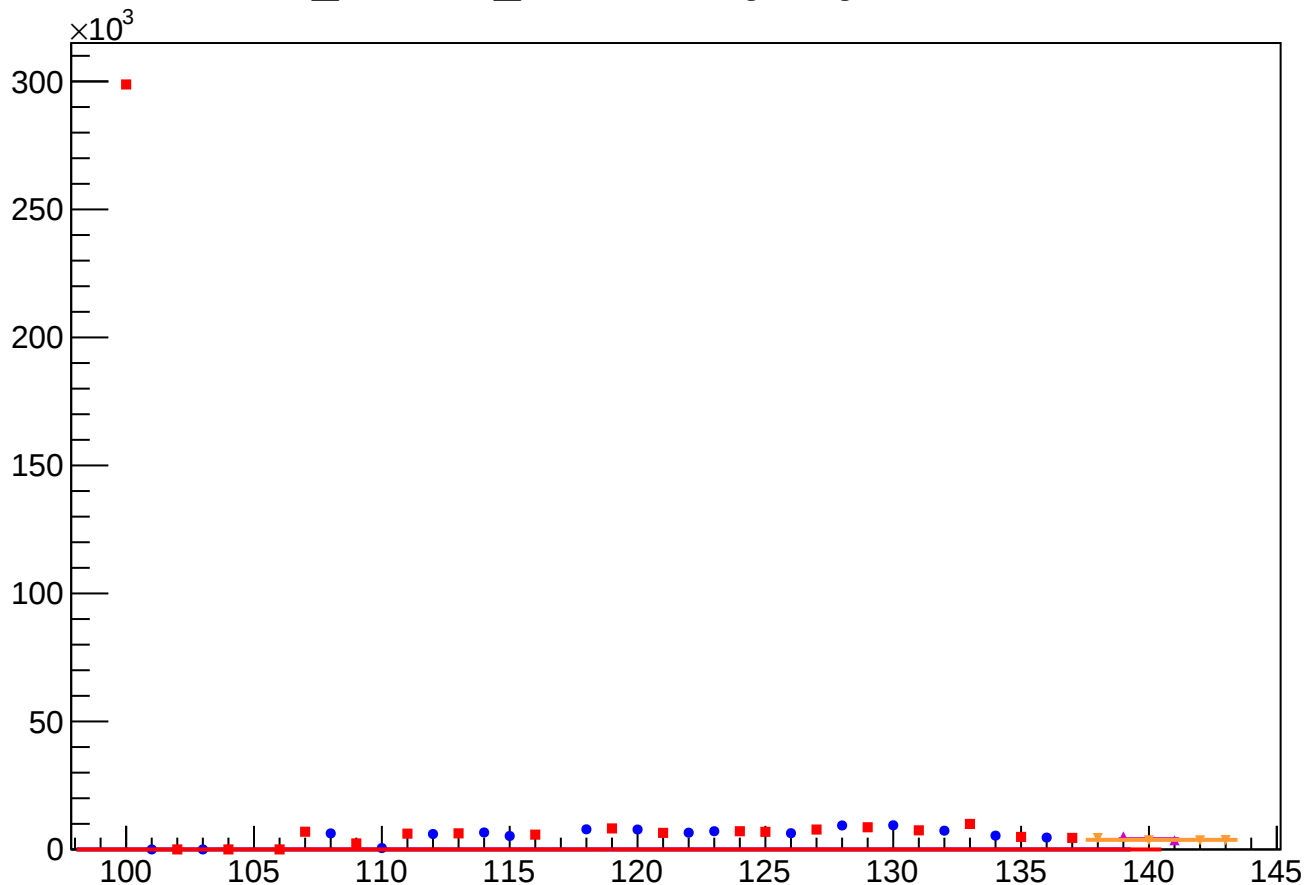
Right: 0.004 ± 0.014 χ^2/NDF : 36.3/35

In: -0.021 ± 0.021 χ^2/NDF : 18.0/18

Out: 0.026 ± 0.020 χ^2/NDF : 29.8/22

All: 0.004 ± 0.014 χ^2/NDF : 50.6/41

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.339 $\pm$ 0.015 χ^2/NDF : 10457335.9/16

Left Out: 3756.143 $\pm$ 1.623 χ^2/NDF : 43321.6/3

Right Out: 17.267 $\pm$ 0.014 χ^2/NDF : 10773848.1/18

Left In: 4027.540 $\pm$ 2.346 χ^2/NDF : 86774.1/1

Left: 3843.974 $\pm$ 1.335 χ^2/NDF : 139146.4/5

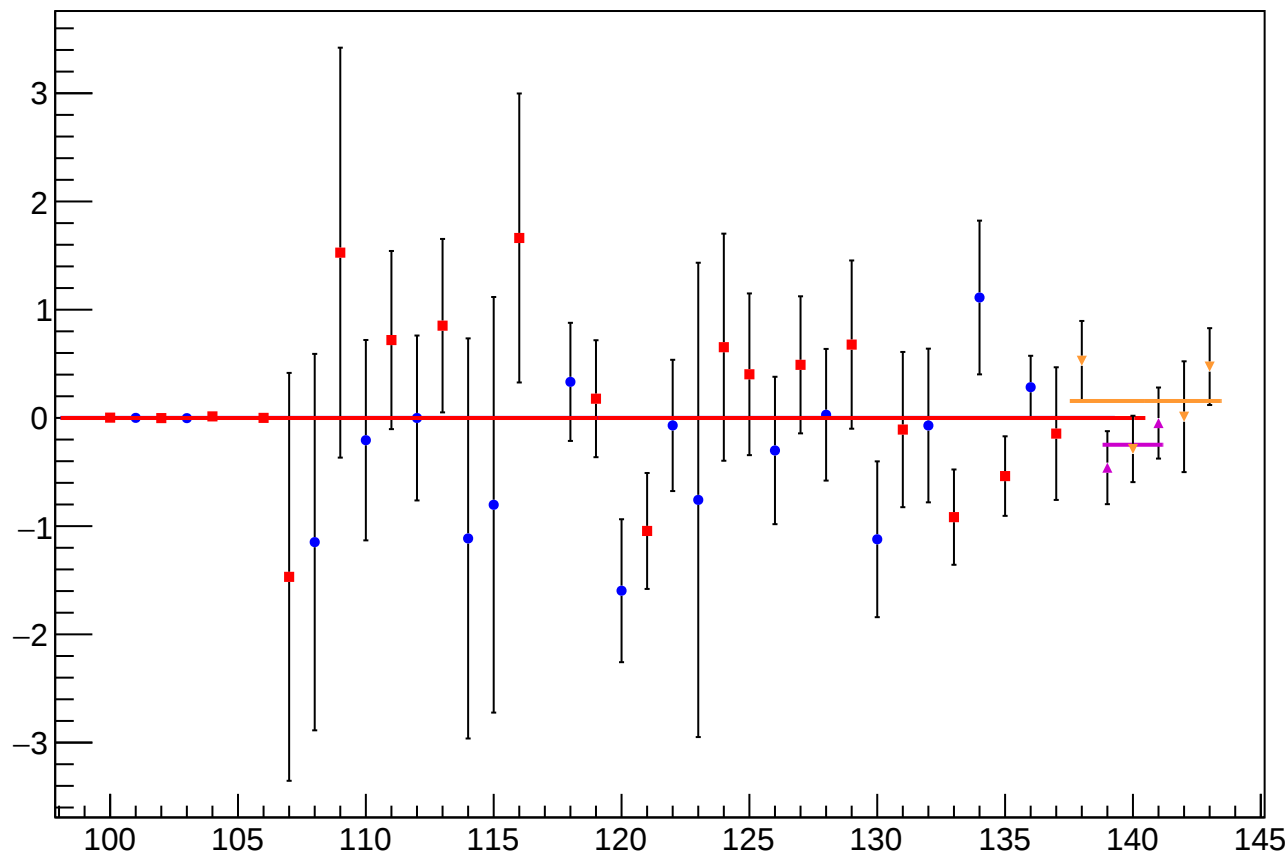
Right: 17.302 $\pm$ 0.010 χ^2/NDF : 21231196.4/35

In: 17.497 $\pm$ 0.015 χ^2/NDF : 13465555.0/18

Out: 17.545 $\pm$ 0.014 χ^2/NDF : 16124508.4/22

All: 17.522 $\pm$ 0.010 χ^2/NDF : 29590069.1/41

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.002 $\chi^2/\text{NDF}: 13.6/16$

Left Out: 0.156 ± 0.183 $\chi^2/\text{NDF}: 4.0/3$

Right Out: -0.001 ± 0.002 $\chi^2/\text{NDF}: 18.2/18$

Left In: -0.248 ± 0.235 $\chi^2/\text{NDF}: 0.8/1$

Left: 0.004 ± 0.145 $\chi^2/\text{NDF}: 6.6/5$

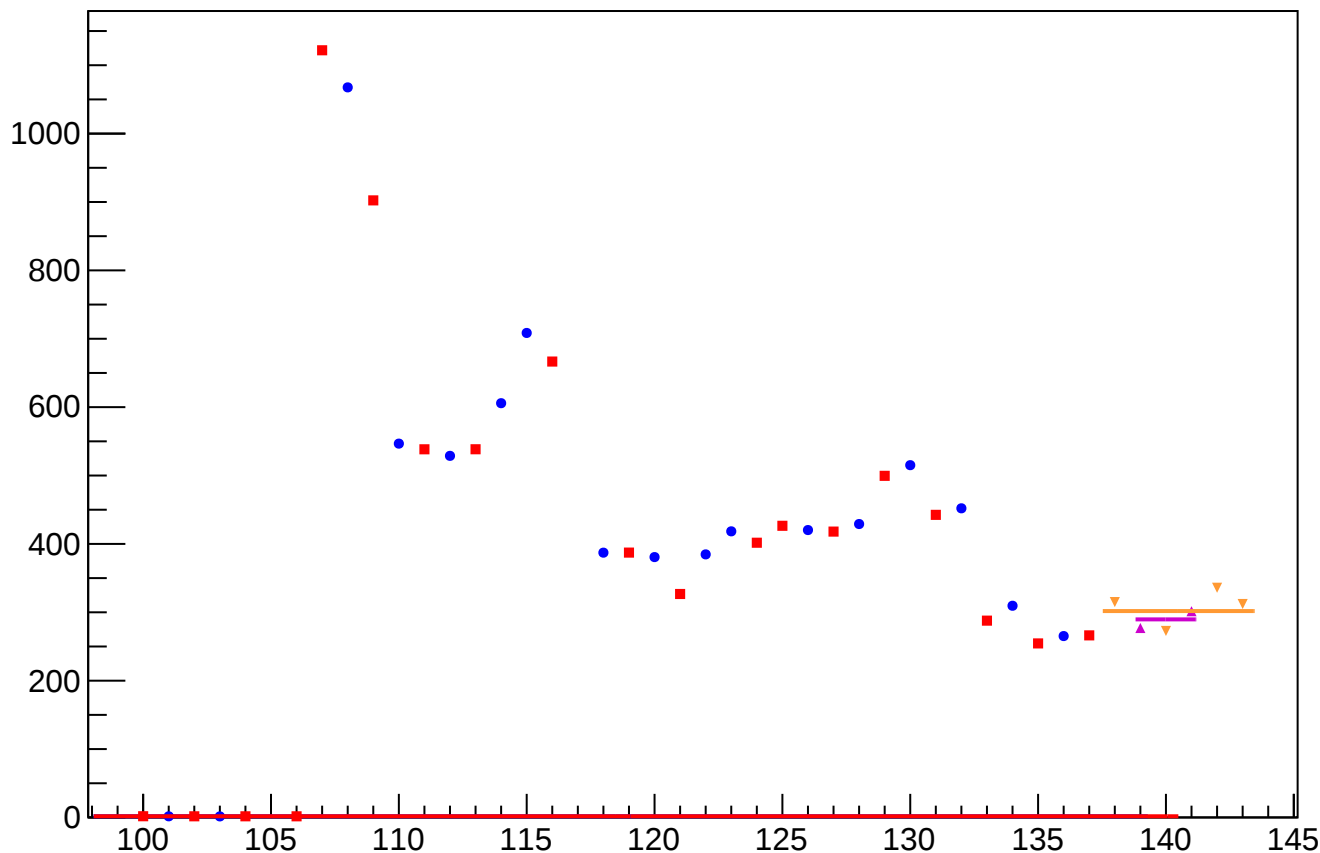
Right: -0.000 ± 0.001 $\chi^2/\text{NDF}: 31.9/35$

In: 0.000 ± 0.002 $\chi^2/\text{NDF}: 15.5/18$

Out: -0.001 ± 0.002 $\chi^2/\text{NDF}: 22.9/22$

All: -0.000 ± 0.001 $\chi^2/\text{NDF}: 38.5/41$

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.699 ± 0.001 $\chi^2/\text{NDF}: 11006381.5/16$

Left Out: 301.809 ± 0.130 $\chi^2/\text{NDF}: 31080.2/3$

Right Out: 1.728 ± 0.001 $\chi^2/\text{NDF}: 10697829.6/18$

Left In: 289.642 ± 0.166 $\chi^2/\text{NDF}: 5430.1/1$

Left: 297.215 ± 0.102 $\chi^2/\text{NDF}: 39839.2/5$

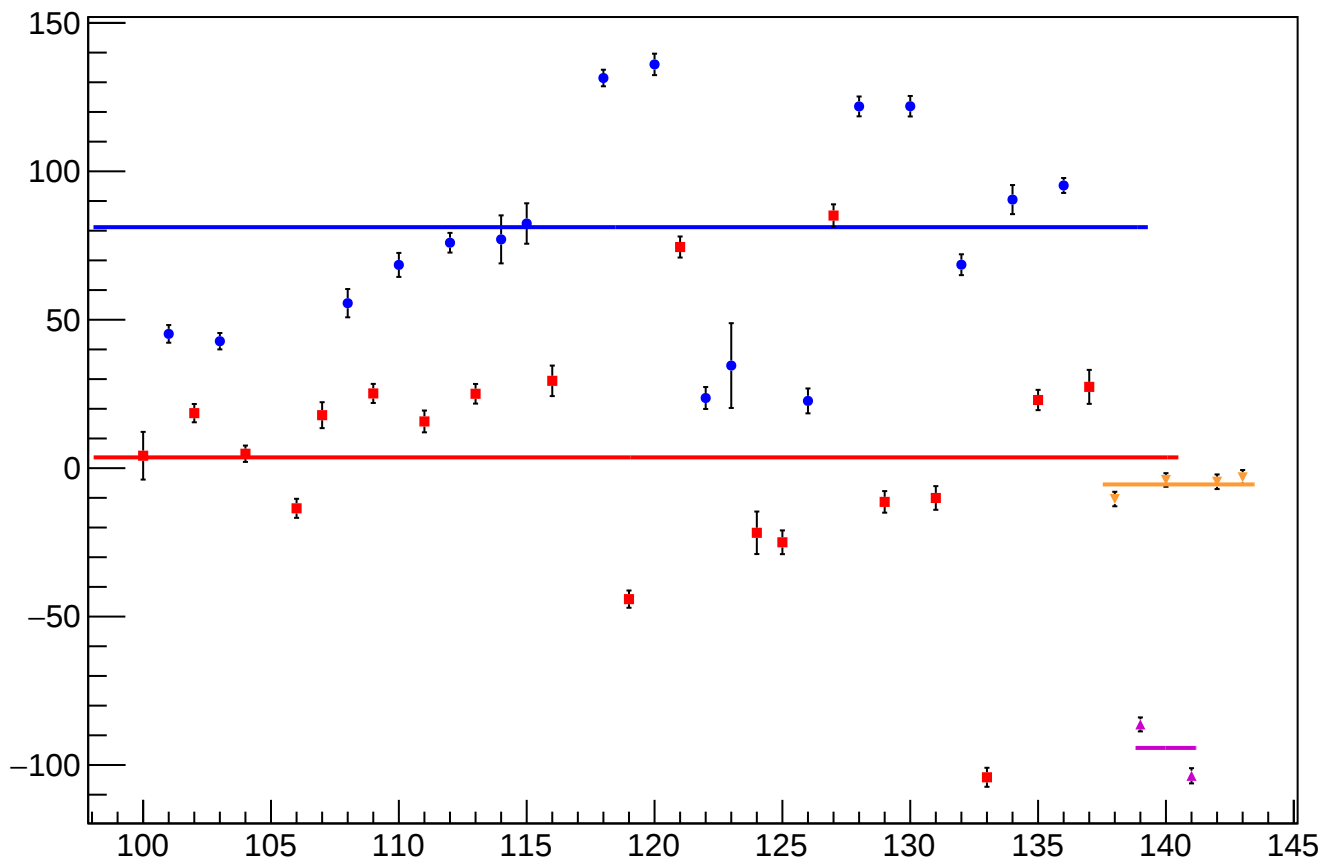
Right: 1.714 ± 0.001 $\chi^2/\text{NDF}: 21704428.1/35$

In: 1.720 ± 0.001 $\chi^2/\text{NDF}: 14007251.0/18$

Out: 1.762 ± 0.001 $\chi^2/\text{NDF}: 16090925.0/22$

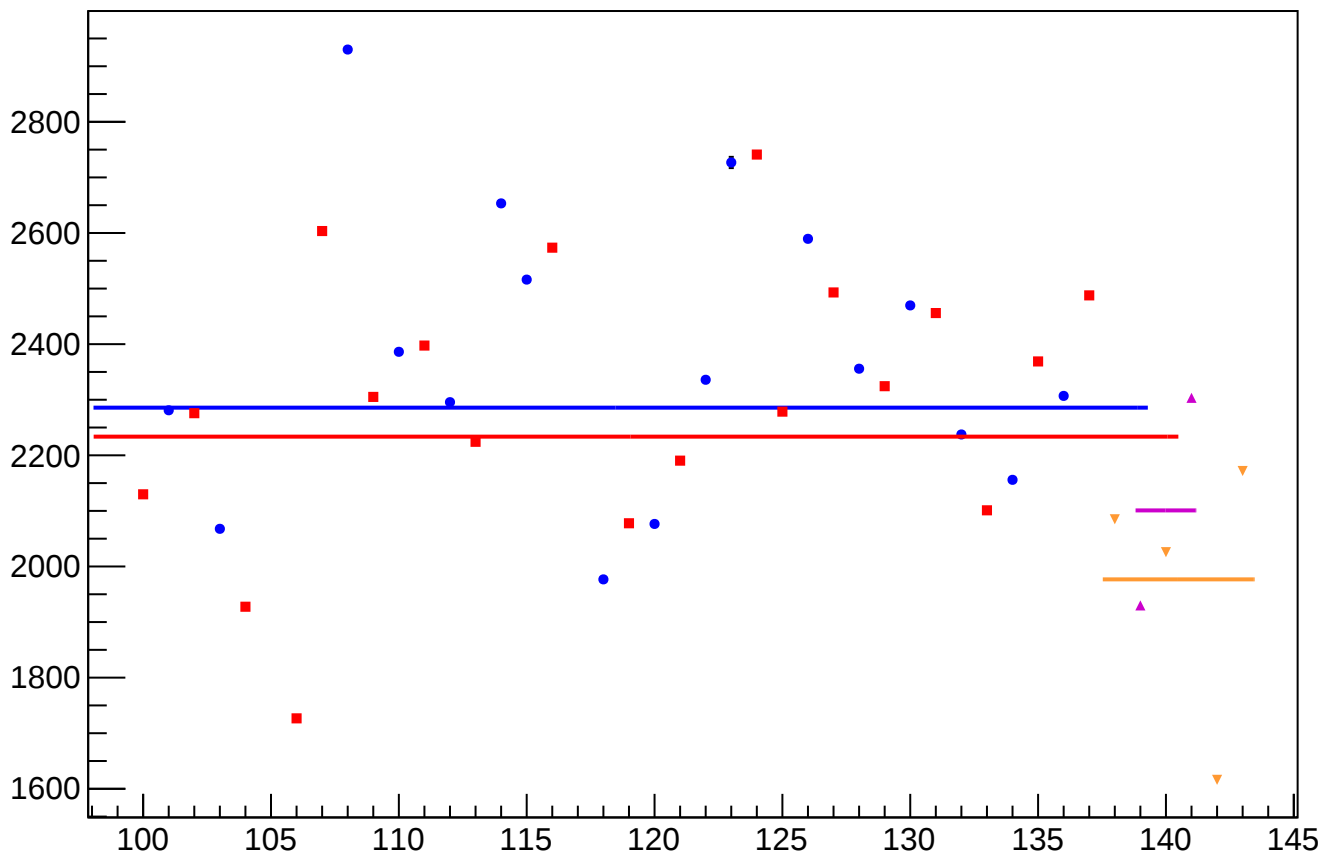
All: 1.742 ± 0.001 $\chi^2/\text{NDF}: 30098613.4/41$

diff_bpm0i01X_mean vs Slug, Sign Corrected



Left: -34.360 +/- 0.991 χ^2/NDF : 1790.5/5
 Right: 40.474 +/- 0.611 χ^2/NDF : 8322.9/35
 In: 44.917 +/- 0.790 χ^2/NDF : 9827.0/18
 Out: 0.640 +/- 0.692 χ^2/NDF : 2636.9/22
 All: 19.847 +/- 0.520 χ^2/NDF : 14241.8/41

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2285.757+/-0.627 χ^2/NDF : 109159.1/16

Left Out: 1976.799+/-0.853 χ^2/NDF : 60110.0/3

Right Out: 2233.605+/-0.597 χ^2/NDF : 147058.0/18

Left In: 2100.869+/-1.229 χ^2/NDF : 22931.9/1

Left: 2017.166+/-0.701 χ^2/NDF : 89919.4/5

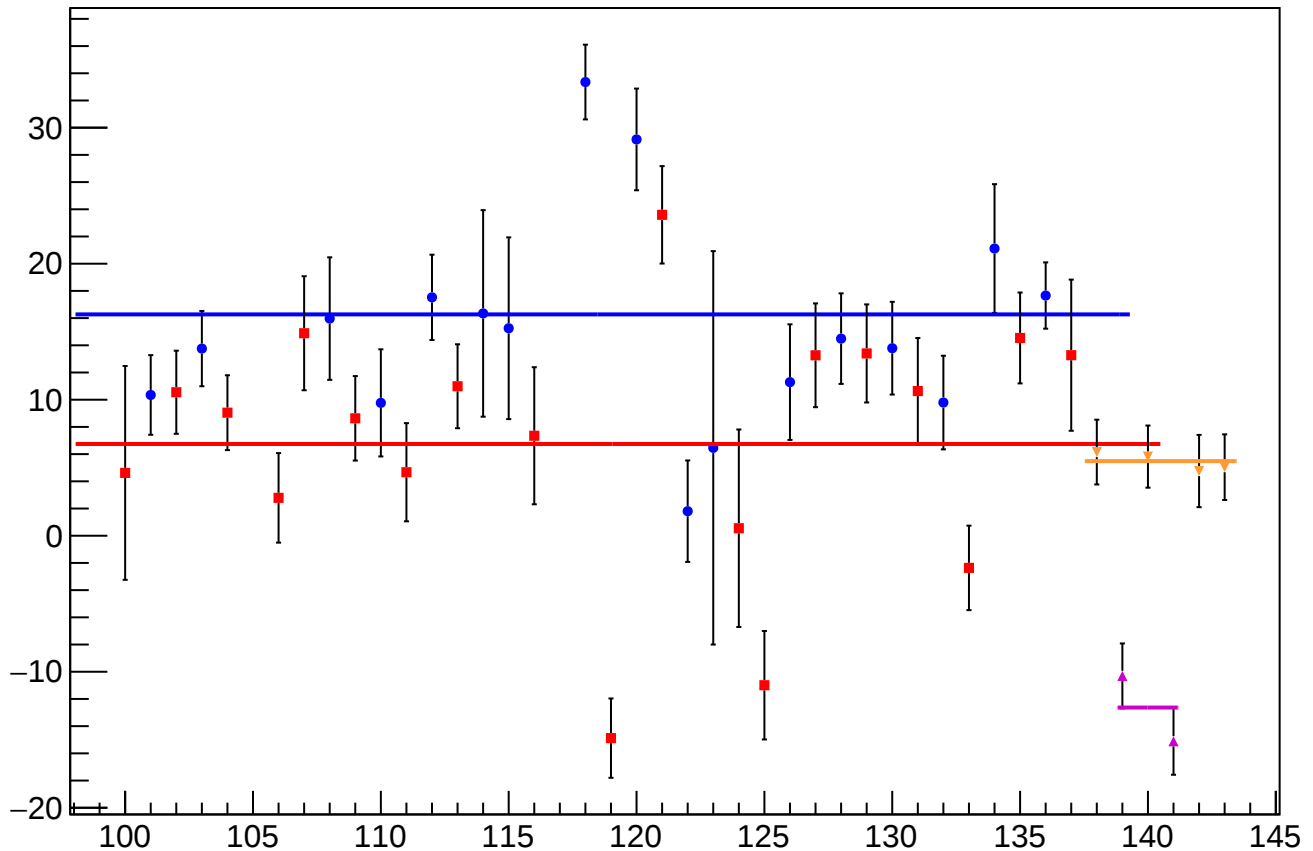
Right: 2258.379+/-0.432 χ^2/NDF : 259845.0/35

In: 2247.532+/-0.559 χ^2/NDF : 150048.7/18

Out: 2149.263+/-0.489 χ^2/NDF : 267986.9/22

All: 2191.890+/-0.368 χ^2/NDF : 435550.2/41

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.273+/-0.873 χ^2/NDF : 81.0/16

Left Out: 5.487+/-1.211 χ^2/NDF : 0.2/3

Right Out: 6.745+/-0.832 χ^2/NDF : 130.5/18

Left In: -12.633+/-1.713 χ^2/NDF : 2.0/1

Left: -0.553+/-0.989 χ^2/NDF : 76.8/5

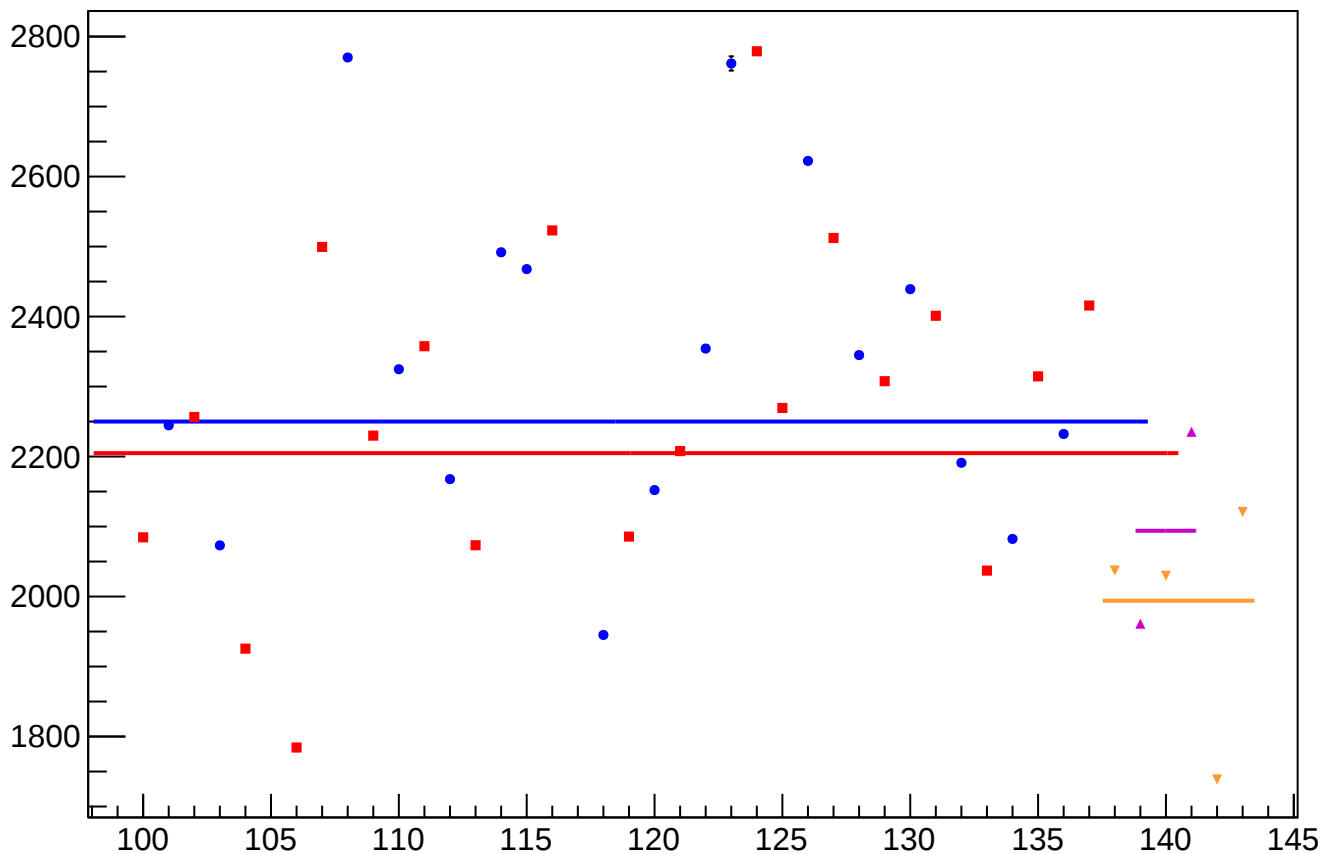
Right: 11.281+/-0.602 χ^2/NDF : 273.9/35

In: 10.313+/-0.778 χ^2/NDF : 309.0/18

Out: 6.342+/-0.686 χ^2/NDF : 131.5/22

All: 8.079+/-0.514 χ^2/NDF : 455.1/41

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2249.997 $\pm$ 0.617 χ^2/NDF : 97501.6/16

Left Out: 1994.025 $\pm$ 0.857 χ^2/NDF : 25160.4/3

Right Out: 2204.860 $\pm$ 0.588 χ^2/NDF : 126433.4/18

Left In: 2093.961 $\pm$ 1.211 χ^2/NDF : 12797.6/1

Left: 2027.338 $\pm$ 0.699 χ^2/NDF : 42496.1/5

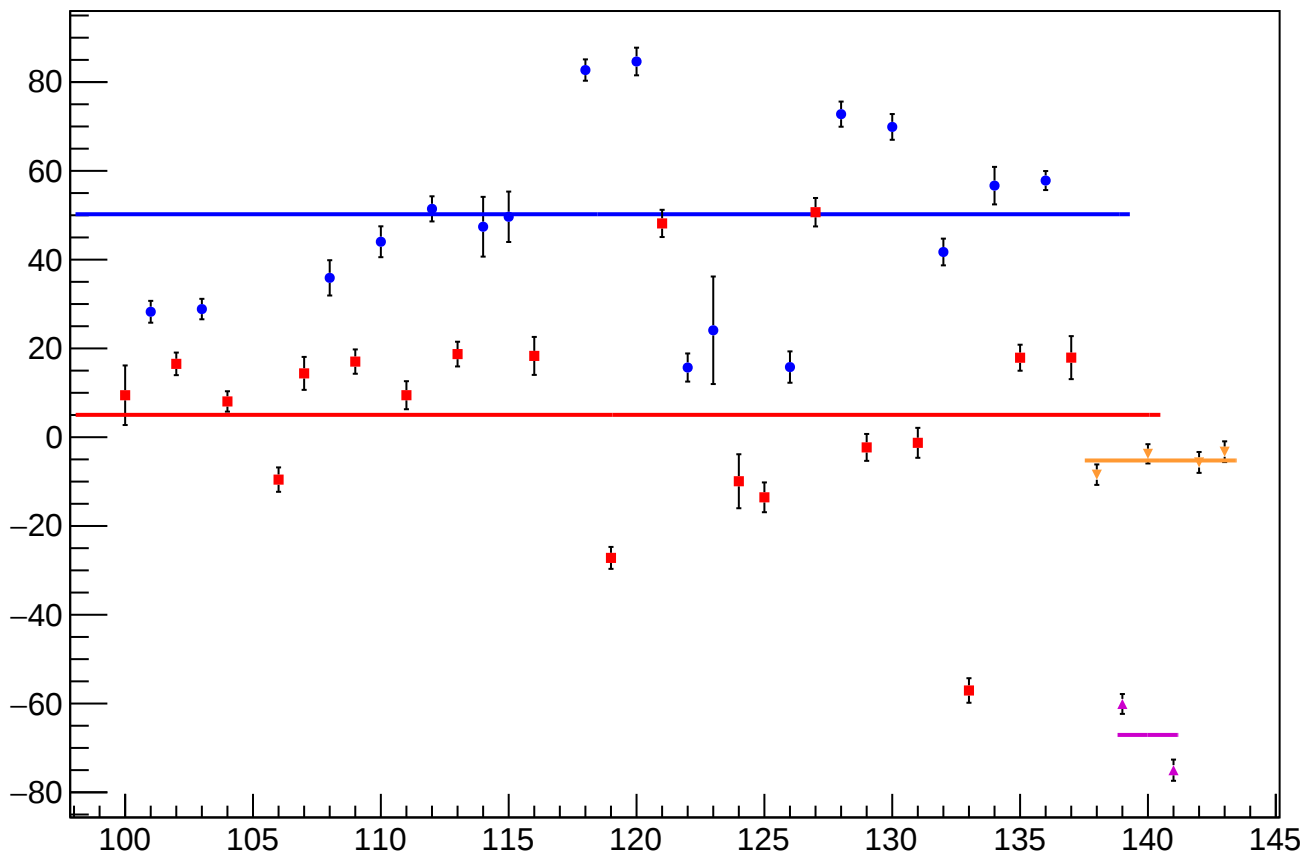
Right: 2226.349 $\pm$ 0.426 χ^2/NDF : 226736.2/35

In: 2217.828 $\pm$ 0.550 χ^2/NDF : 123472.7/18

Out: 2137.256 $\pm$ 0.485 χ^2/NDF : 192757.7/22

All: 2172.504 $\pm$ 0.364 χ^2/NDF : 328303.6/41

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.230+/-0.752 χ^2/NDF : 837.5/16

Left Out: -5.244+/-1.144 χ^2/NDF : 3.2/3

Right Out: 5.035+/-0.715 χ^2/NDF : 1259.3/18

Left In: -67.070+/-1.633 χ^2/NDF : 20.8/1

Left: -25.596+/-0.937 χ^2/NDF : 985.7/5

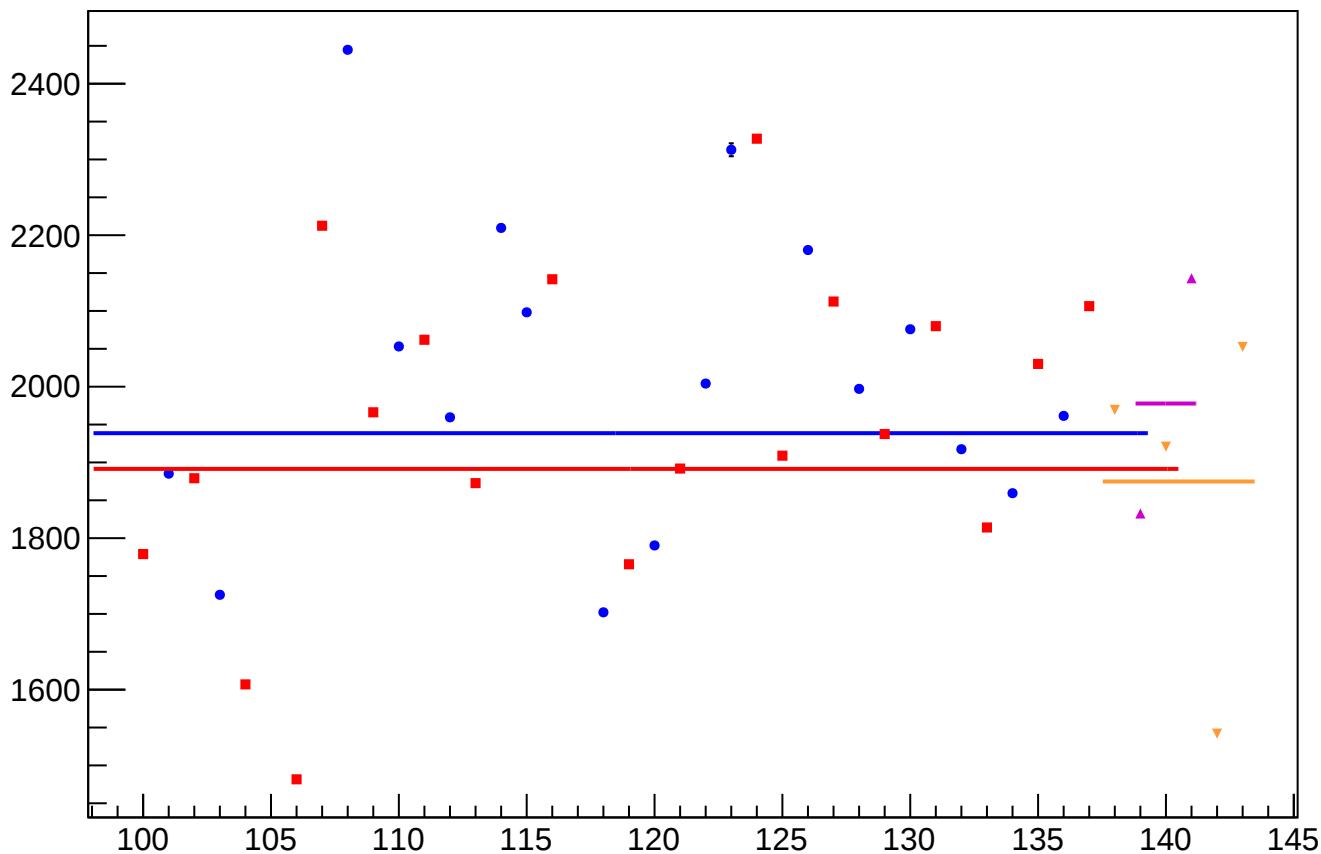
Right: 26.479+/-0.518 χ^2/NDF : 3994.7/35

In: 29.701+/-0.683 χ^2/NDF : 5115.9/18

Out: 2.149+/-0.606 χ^2/NDF : 1320.6/22

All: 14.284+/-0.453 χ^2/NDF : 7346.8/41

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1938.613 $\pm$ 0.532 χ^2 /NDF: 100004.8/16

Left Out: 1874.827 $\pm$ 0.809 χ^2 /NDF: 55852.7/3

Right Out: 1891.458 $\pm$ 0.505 χ^2 /NDF: 146730.0/18

Left In: 1977.765 $\pm$ 1.155 χ^2 /NDF: 18007.9/1

Left: 1908.713 $\pm$ 0.662 χ^2 /NDF: 79192.9/5

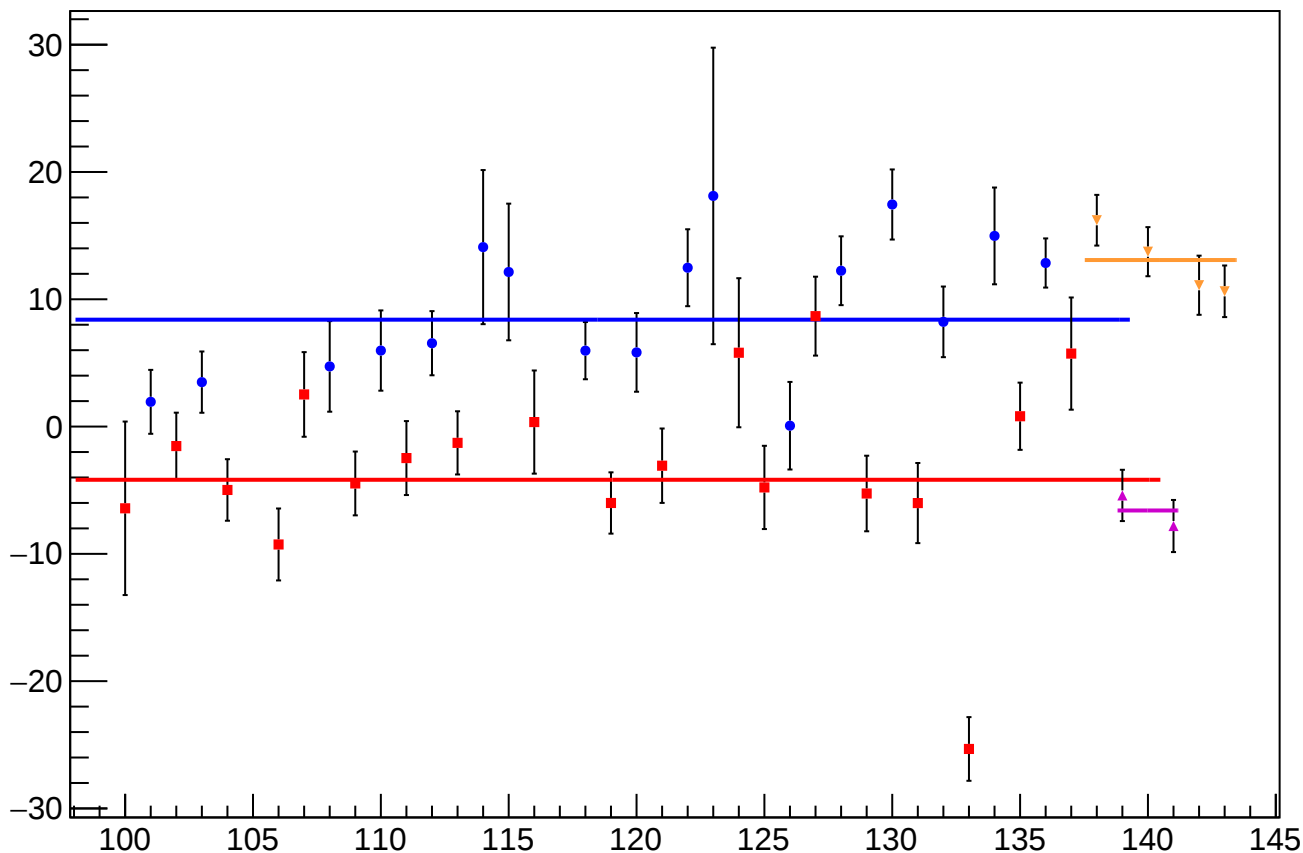
Right: 1913.832 $\pm$ 0.366 χ^2 /NDF: 250866.9/35

In: 1945.465 $\pm$ 0.483 χ^2 /NDF: 118961.3/18

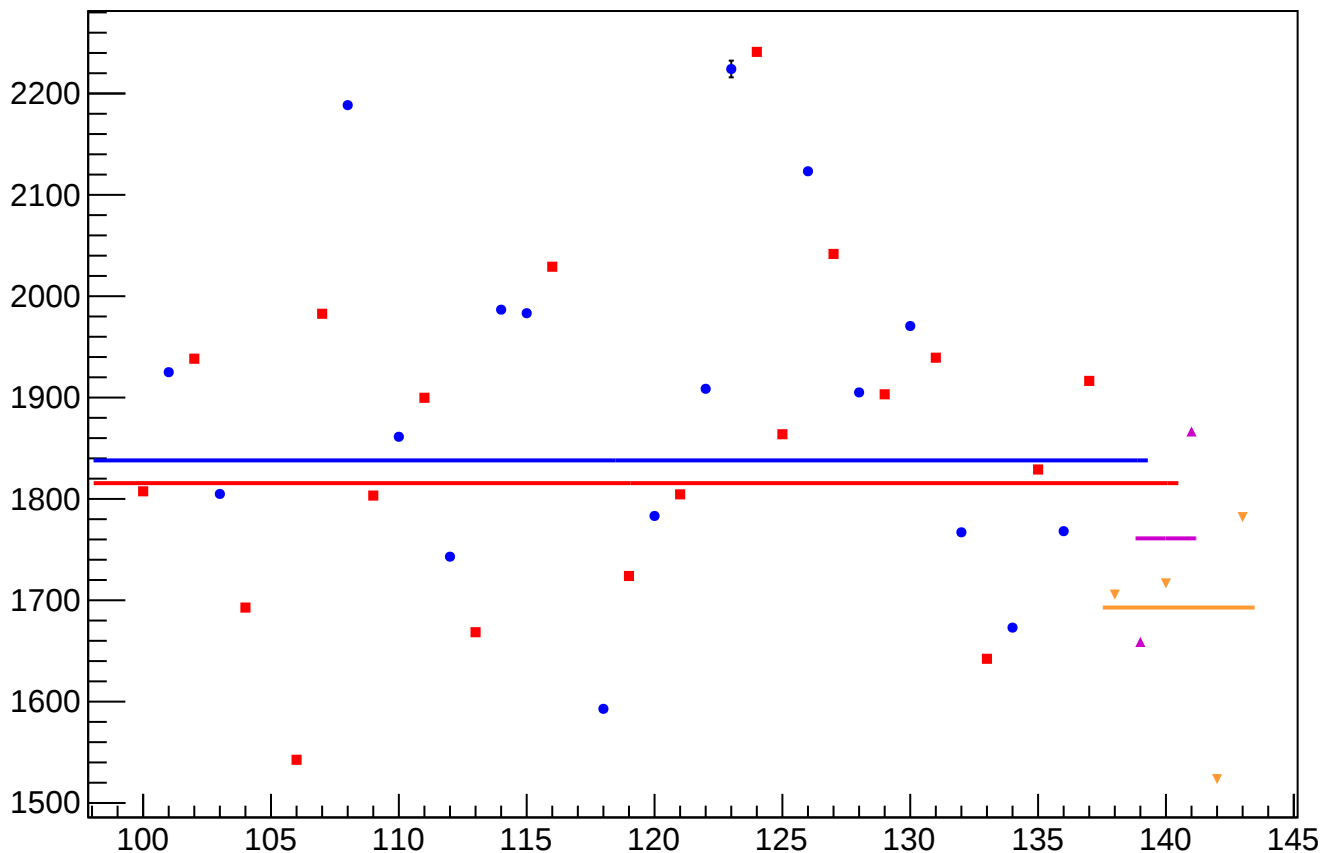
Out: 1886.789 $\pm$ 0.429 χ^2 /NDF: 202886.8/22

All: 1912.633 $\pm$ 0.321 χ^2 /NDF: 330105.5/41

diff_bpm0i01aY_mean vs Slug, Sign Corrected



diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1838.009 $\pm$ 0.504 χ^2 /NDF: 82831.2/16

Left Out: 1692.821 $\pm$ 0.726 χ^2 /NDF:14876.7/3

Right Out: 1815.562 $\pm$ 0.483 χ^2 /NDF: 87647.1/18

Left In: 1761.065 $\pm$ 1.015 χ^2 /NDF:10459.1/1

Left: 1715.898 $\pm$ 0.590 χ^2 /NDF: 28325.9/5

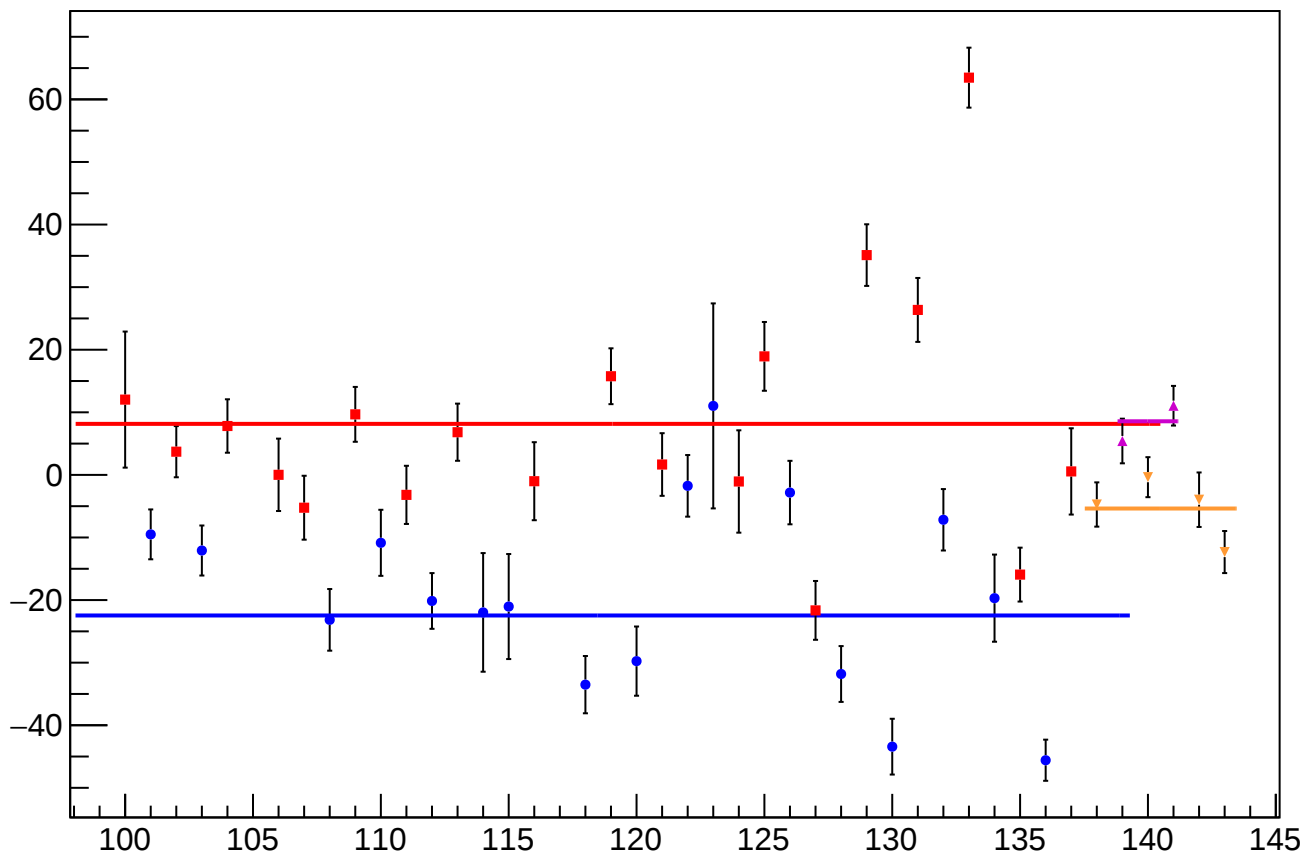
Right: 1826.322 $\pm$ 0.349 χ^2 /NDF: 171512.1/35

In: 1822.809 $\pm$ 0.451 χ^2 /NDF:97899.0/18

Out: 1777.844 $\pm$ 0.402 χ^2 /NDF:122337.6/22

All: 1797.756 $\pm$ 0.300 χ^2 /NDF: 225768.4/41

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.463 ± 1.197 $\chi^2/\text{NDF}: 152.8/16$

Left Out: -5.373 ± 1.770 $\chi^2/\text{NDF}: 6.9/3$

Right Out: 8.153 ± 1.158 $\chi^2/\text{NDF}: 277.0/18$

Left In: 8.566 ± 2.369 $\chi^2/\text{NDF}: 1.4/1$

Left: -0.378 ± 1.418 $\chi^2/\text{NDF}: 30.5/5$

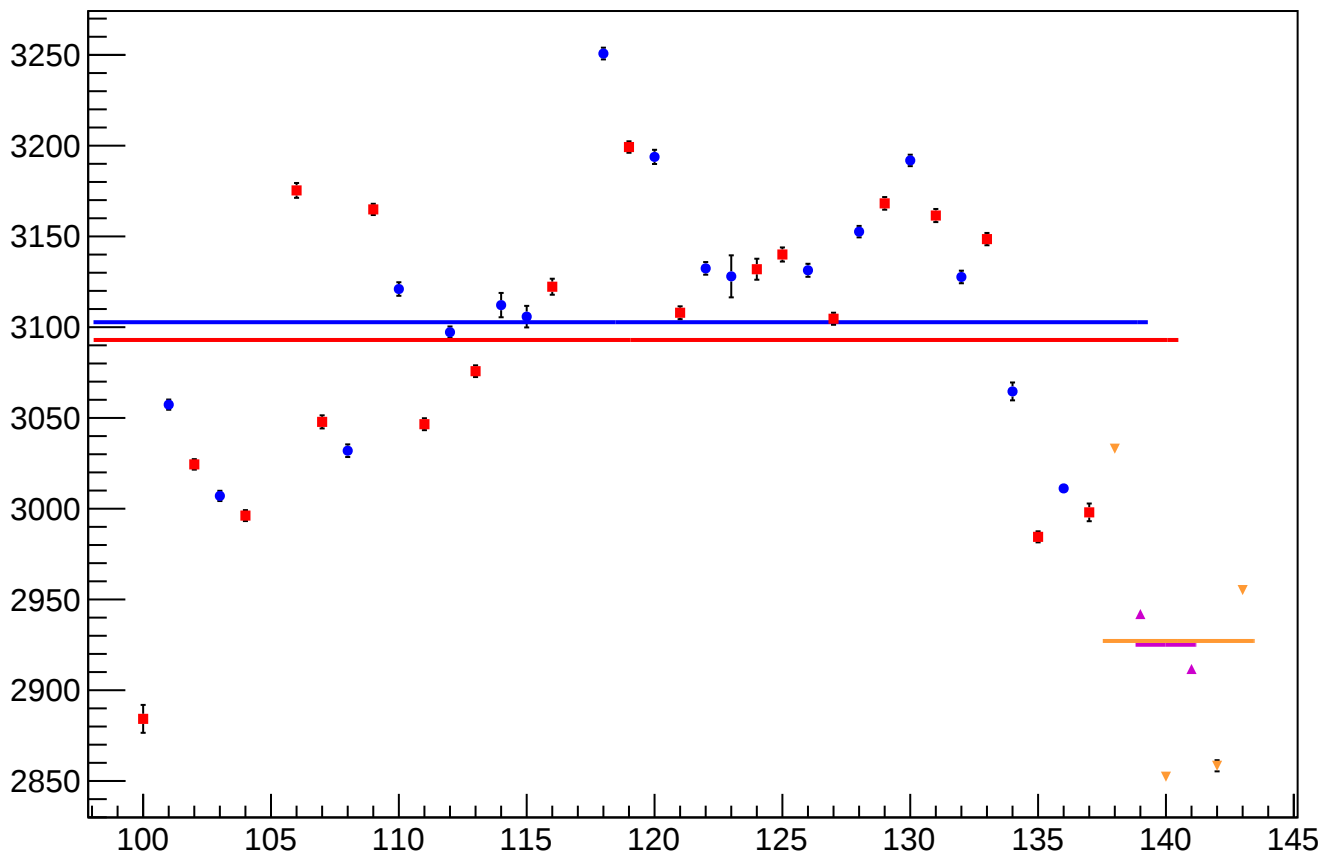
Right: -6.657 ± 0.832 $\chi^2/\text{NDF}: 767.7/35$

In: -16.152 ± 1.068 $\chi^2/\text{NDF}: 290.9/18$

Out: 4.097 ± 0.969 $\chi^2/\text{NDF}: 324.7/22$

All: -5.048 ± 0.718 $\chi^2/\text{NDF}: 812.7/41$

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3102.744+/-0.846 χ^2/NDF : 7337.7/16

Left Out: 2927.141+/-1.252 χ^2/NDF : 3526.5/3

Right Out: 3092.954+/-0.819 χ^2/NDF : 7802.6/18

Left In: 2925.054+/-1.675 χ^2/NDF : 80.5/1

Left: 2926.393+/-1.003 χ^2/NDF : 3608.0/5

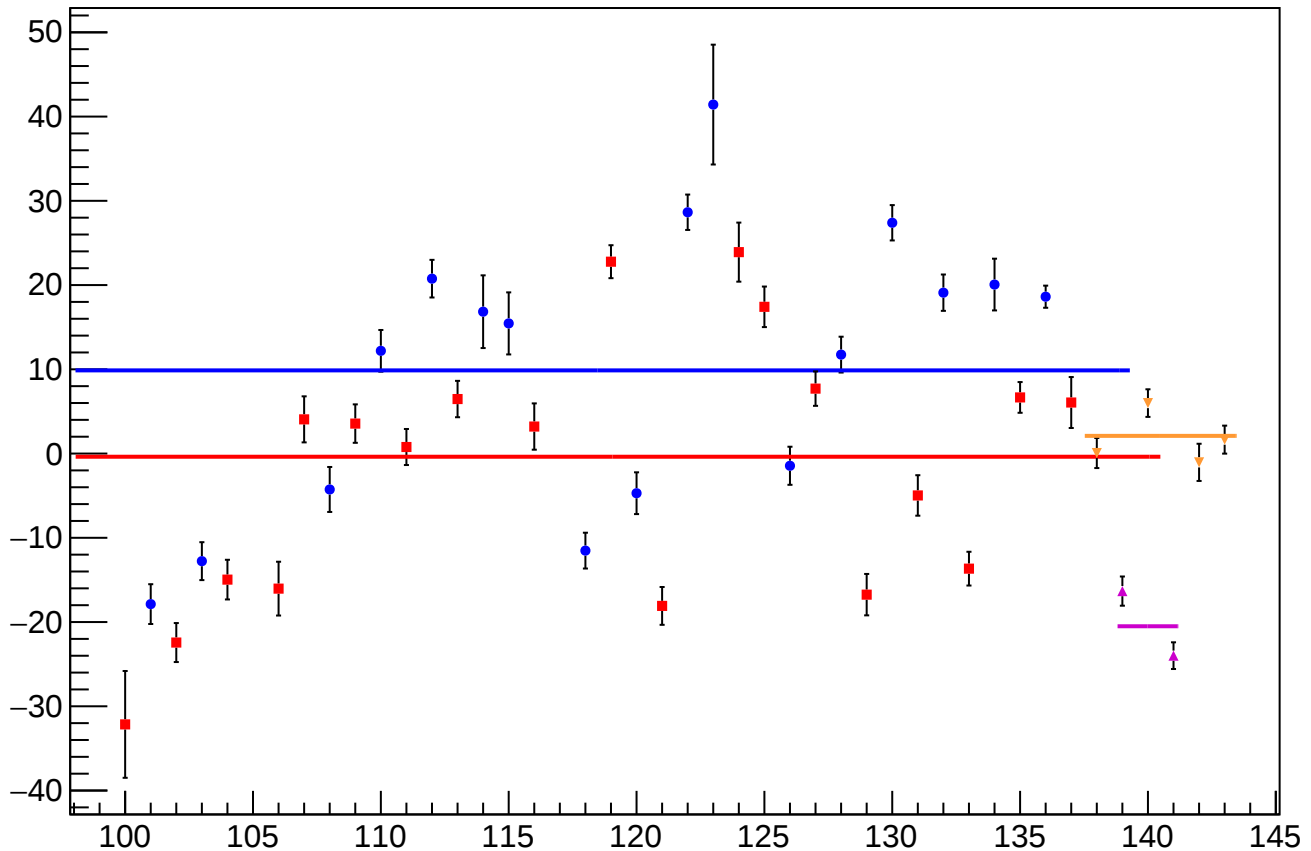
Right: 3097.690+/-0.589 χ^2/NDF : 15209.4/35

In: 3066.606+/-0.755 χ^2/NDF : 16384.8/18

Out: 3043.231+/-0.685 χ^2/NDF : 23615.4/22

All: 3053.787+/-0.508 χ^2/NDF : 40525.5/41

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.873+/-0.560 χ^2/NDF : 701.6/16

Left Out: 2.100+/-0.893 χ^2/NDF : 9.0/3

Right Out: -0.377+/-0.548 χ^2/NDF : 628.0/18

Left In: -20.501+/-1.169 χ^2/NDF : 10.7/1

Left: -6.224+/-0.710 χ^2/NDF : 255.7/5

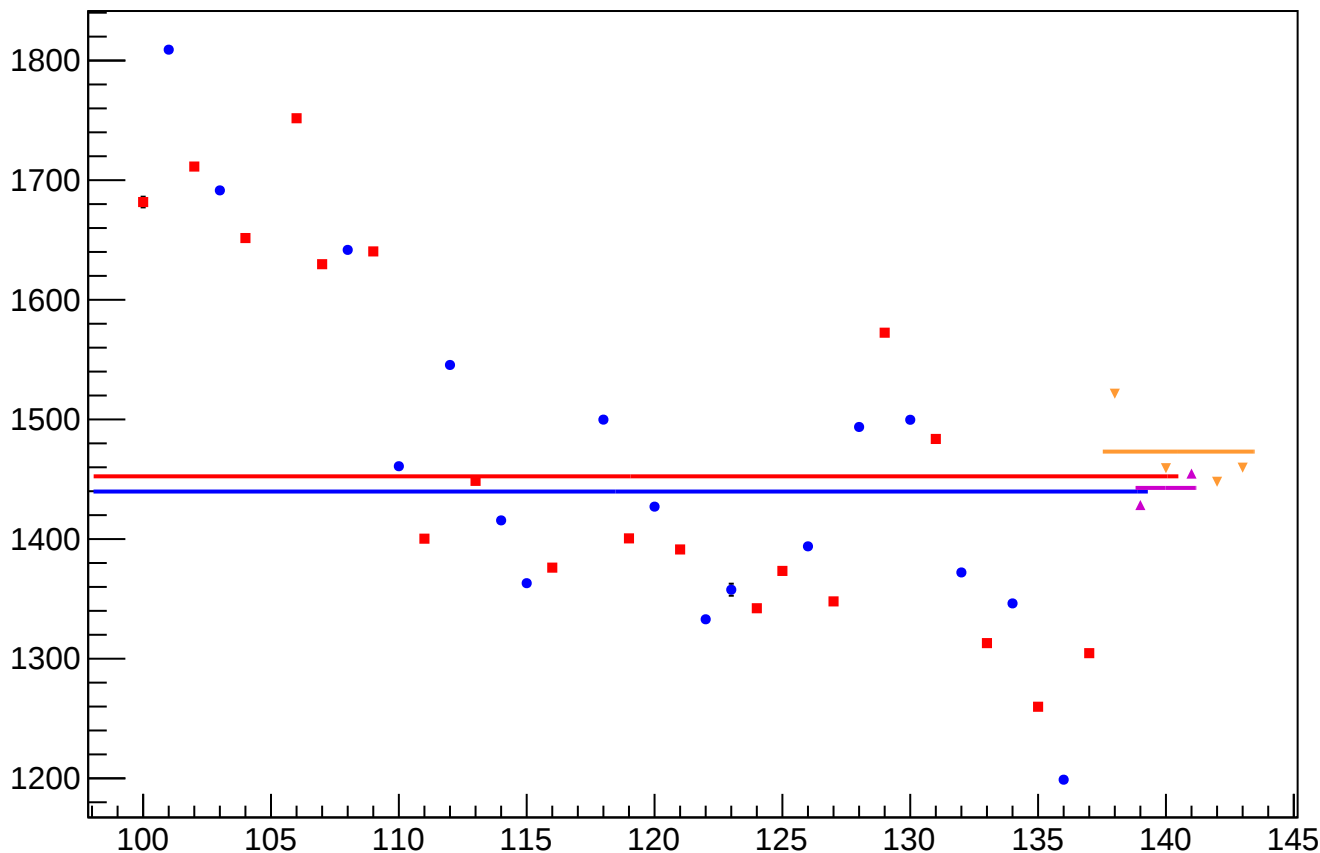
Right: 4.631+/-0.392 χ^2/NDF : 1500.7/35

In: 4.199+/-0.505 χ^2/NDF : 1261.0/18

Out: 0.301+/-0.467 χ^2/NDF : 642.7/22

All: 2.096+/-0.343 χ^2/NDF : 1935.7/41

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1439.733 $\pm$ 0.396 χ^2 /NDF: 172867.1/16

Left Out: 1473.118 $\pm$ 0.631 χ^2 /NDF:2007.5/3

Right Out: 1452.445 $\pm$ 0.387 χ^2 /NDF: 138400.9/18

Left In: 1442.768 $\pm$ 0.827 χ^2 /NDF:250.8/1

Left: 1461.939 $\pm$ 0.502 χ^2 /NDF: 3109.3/5

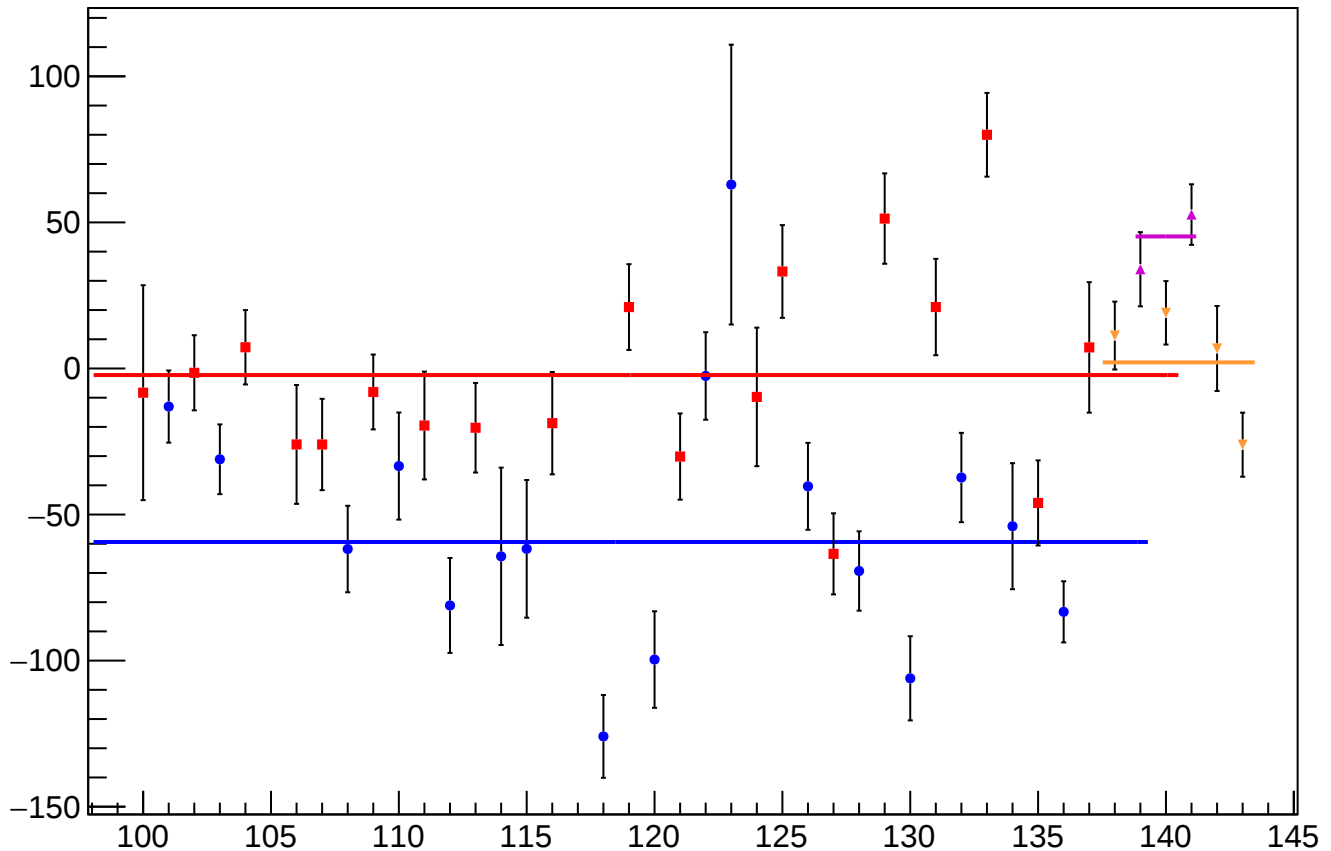
Right: 1446.234 $\pm$ 0.277 χ^2 /NDF: 311794.3/35

In: 1440.300 $\pm$ 0.357 χ^2 /NDF:173128.9/18

Out: 1458.098 $\pm$ 0.330 χ^2 /NDF:141187.3/22

All: 1449.902 $\pm$ 0.243 χ^2 /NDF: 315654.3/41

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -59.392 ± 3.736 $\chi^2/\text{NDF}: 92.5/16$

Left Out: 2.081 ± 5.879 $\chi^2/\text{NDF}: 9.8/3$

Right Out: -2.255 ± 3.636 $\chi^2/\text{NDF}: 94.4/18$

Left In: 45.198 ± 8.026 $\chi^2/\text{NDF}: 1.3/1$

Left: 17.136 ± 4.743 $\chi^2/\text{NDF}: 29.9/5$

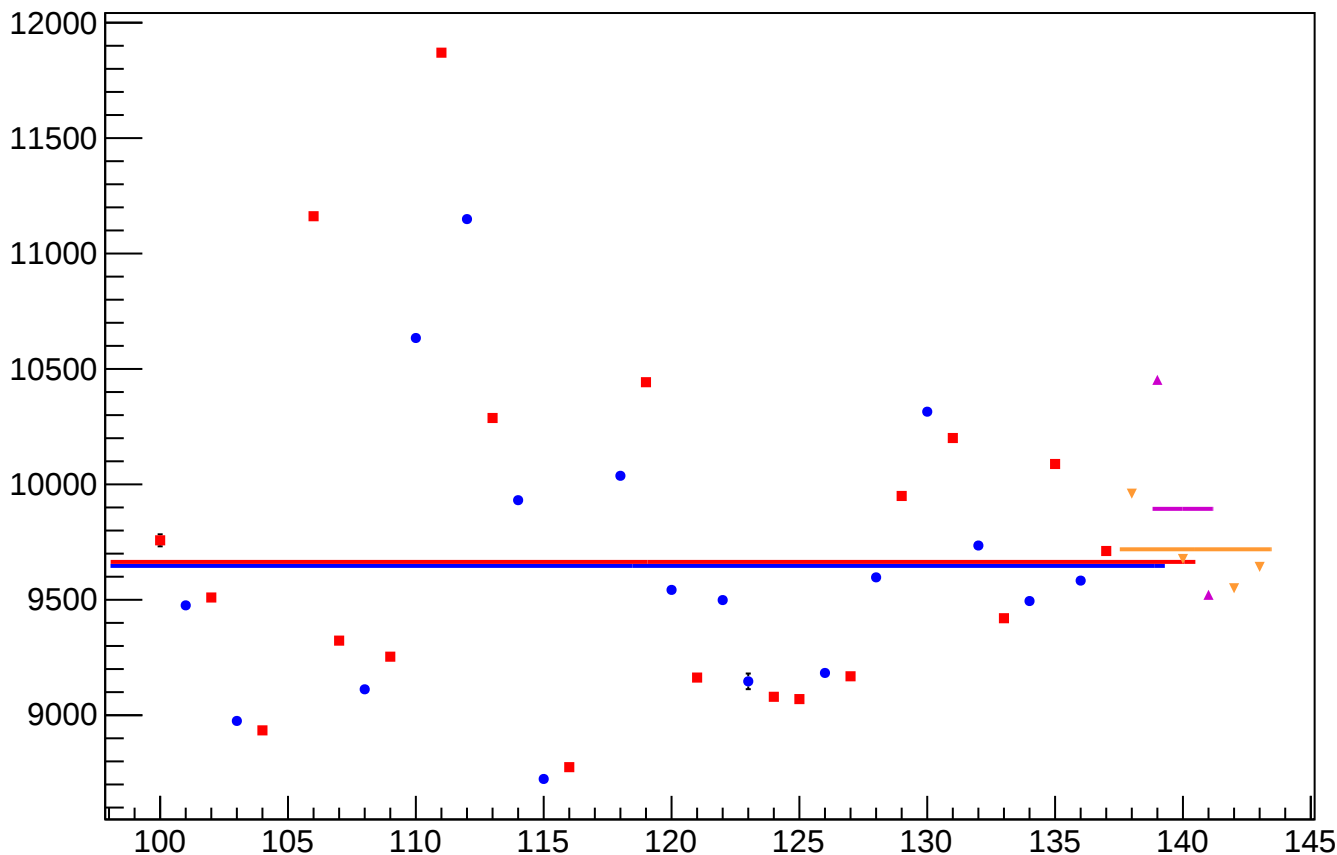
Right: -30.055 ± 2.606 $\chi^2/\text{NDF}: 307.0/35$

In: -40.769 ± 3.387 $\chi^2/\text{NDF}: 233.4/18$

Out: -1.055 ± 3.093 $\chi^2/\text{NDF}: 104.5/22$

All: -19.113 ± 2.284 $\chi^2/\text{NDF}: 412.9/41$

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9646.921 $\pm$ 2.641 χ^2 /NDF: 43997.1/16

Left Out: 9718.764 $\pm$ 4.157 χ^2 /NDF:1256.7/3

Right Out: 9664.191 $\pm$ 2.571 χ^2 /NDF: 77326.5/18

Left In: 9894.025 $\pm$ 5.675 χ^2 /NDF:6460.6/1

Left: 9779.959 $\pm$ 3.354 χ^2 /NDF: 8338.0/5

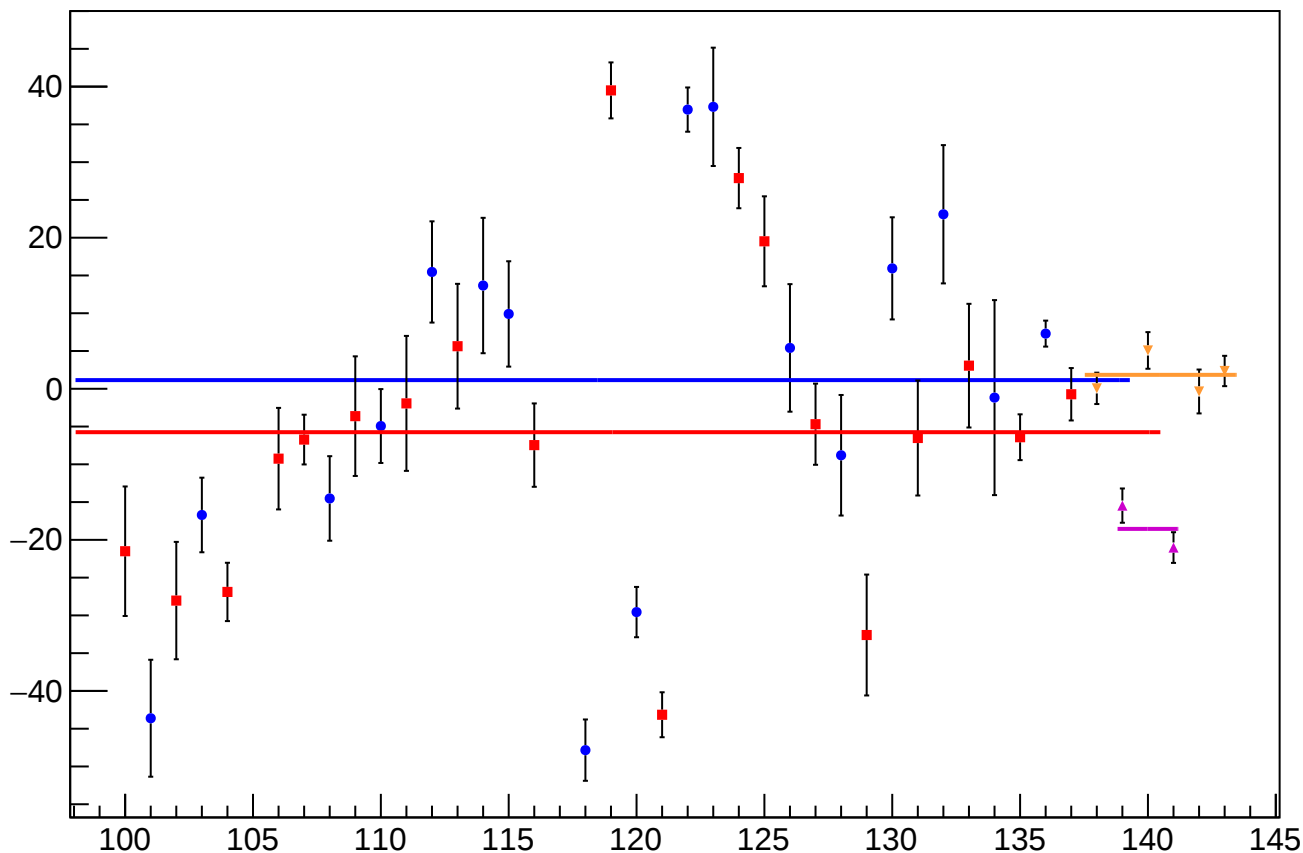
Right: 9655.788 $\pm$ 1.842 χ^2 /NDF: 121345.6/35

In: 9690.919 $\pm$ 2.395 χ^2 /NDF:52015.9/18

Out: 9679.293 $\pm$ 2.187 χ^2 /NDF:78707.9/22

All: 9684.580 $\pm$ 1.615 χ^2 /NDF: 130736.7/41

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 1.147 ± 1.067 $\chi^2/\text{NDF}: 490.7/16$

Left Out: 1.845 ± 1.141 $\chi^2/\text{NDF}: 3.2/3$

Right Out: -5.747 ± 1.092 $\chi^2/\text{NDF}: 455.0/18$

Left In: -18.549 ± 1.513 $\chi^2/\text{NDF}: 3.3/1$

Left: -5.545 ± 0.911 $\chi^2/\text{NDF}: 122.3/5$

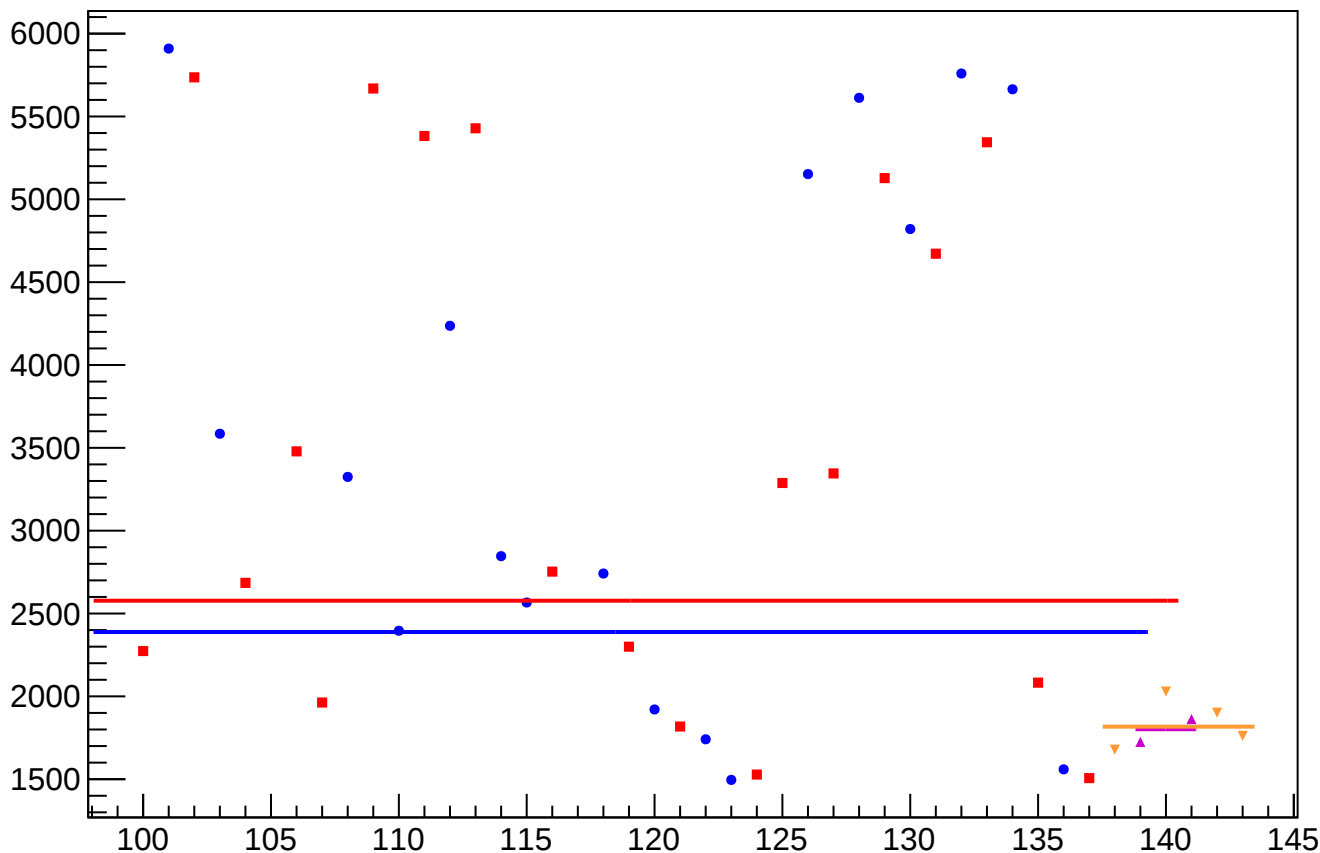
Right: -2.221 ± 0.763 $\chi^2/\text{NDF}: 966.1/35$

In: -5.394 ± 0.872 $\chi^2/\text{NDF}: 607.1/18$

Out: -2.117 ± 0.789 $\chi^2/\text{NDF}: 481.3/22$

All: -3.592 ± 0.585 $\chi^2/\text{NDF}: 1096.2/41$

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2388.532 $\pm$ 0.755 χ^2/NDF : 2588689.4/16

Left Out: 1817.107 $\pm$ 0.807 χ^2/NDF : 27492.3/3

Right Out: 2577.351 $\pm$ 0.772 χ^2/NDF : 2358780.3/18

Left In: 1801.650 $\pm$ 1.070 χ^2/NDF : 4087.9/1

Left: 1811.506 $\pm$ 0.644 χ^2/NDF : 31713.2/5

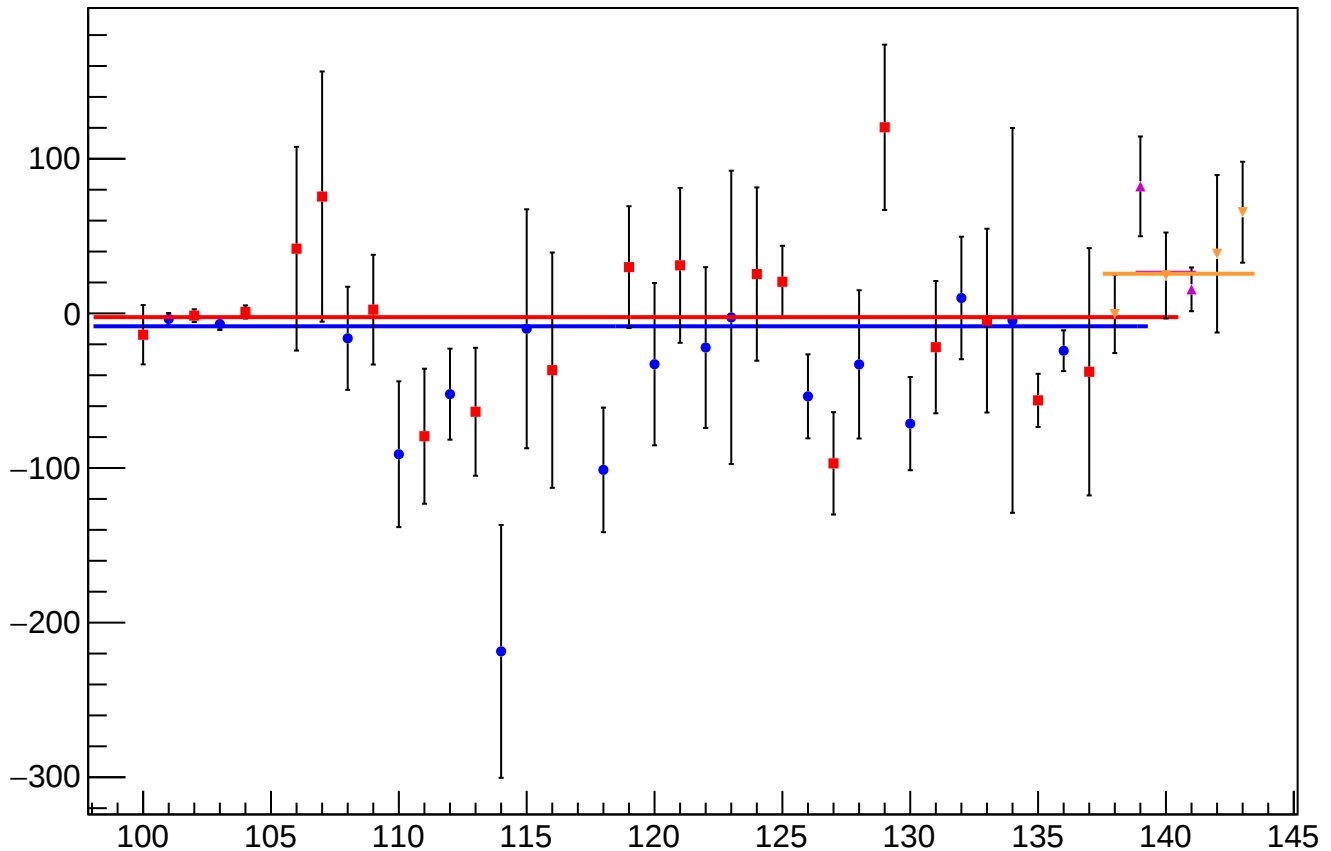
Right: 2480.778 $\pm$ 0.540 χ^2/NDF : 4978057.3/35

In: 2193.619 $\pm$ 0.617 χ^2/NDF : 2793661.6/18

Out: 2213.871 $\pm$ 0.558 χ^2/NDF : 2849803.3/22

All: 2204.759 $\pm$ 0.414 χ^2/NDF : 5644058.1/41

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.339 ± 2.588 $\chi^2/\text{NDF}: 28.3/16$

Left Out: 25.654 ± 15.459 $\chi^2/\text{NDF}: 2.6/3$

Right Out: -2.423 ± 2.787 $\chi^2/\text{NDF}: 33.9/18$

Left In: 26.297 ± 12.956 $\chi^2/\text{NDF}: 3.6/1$

Left: 26.032 ± 9.930 $\chi^2/\text{NDF}: 6.2/5$

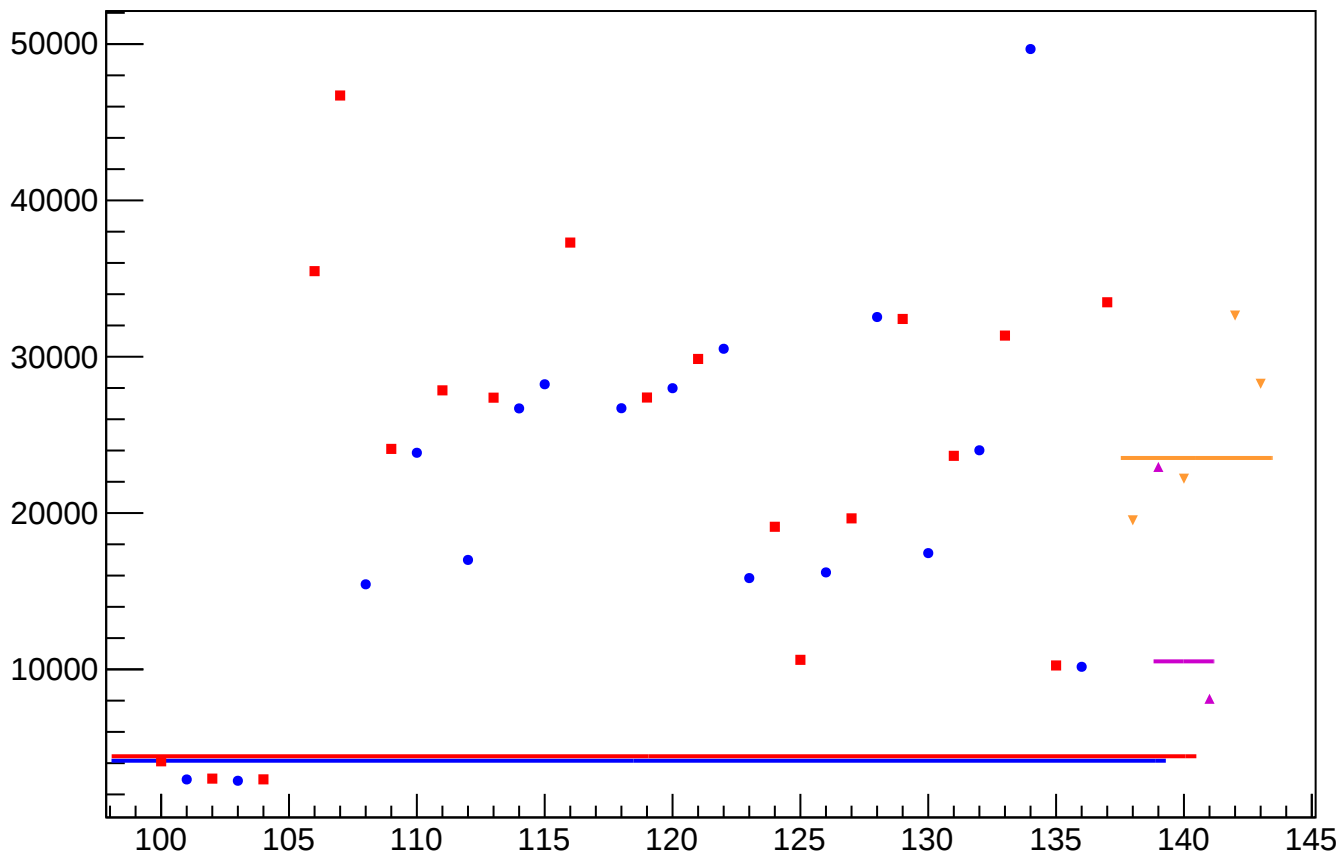
Right: -5.599 ± 1.896 $\chi^2/\text{NDF}: 64.6/35$

In: -7.010 ± 2.538 $\chi^2/\text{NDF}: 38.7/18$

Out: -1.539 ± 2.743 $\chi^2/\text{NDF}: 39.7/22$

All: -4.486 ± 1.863 $\chi^2/\text{NDF}: 80.6/41$

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 4156.086 $\pm$ 1.830 χ^2/NDF : 5974546.9/16

Left Out: 23523.479 $\pm$ 10.931 χ^2/NDF :160703.1/3

Right Out: 4441.440 $\pm$ 1.971 χ^2/NDF : 7399930.1/18

Left In: 10511.934 $\pm$ 9.161 χ^2/NDF :354555.8/1

Left: 15880.395 $\pm$ 7.022 χ^2/NDF : 1347514.0/5

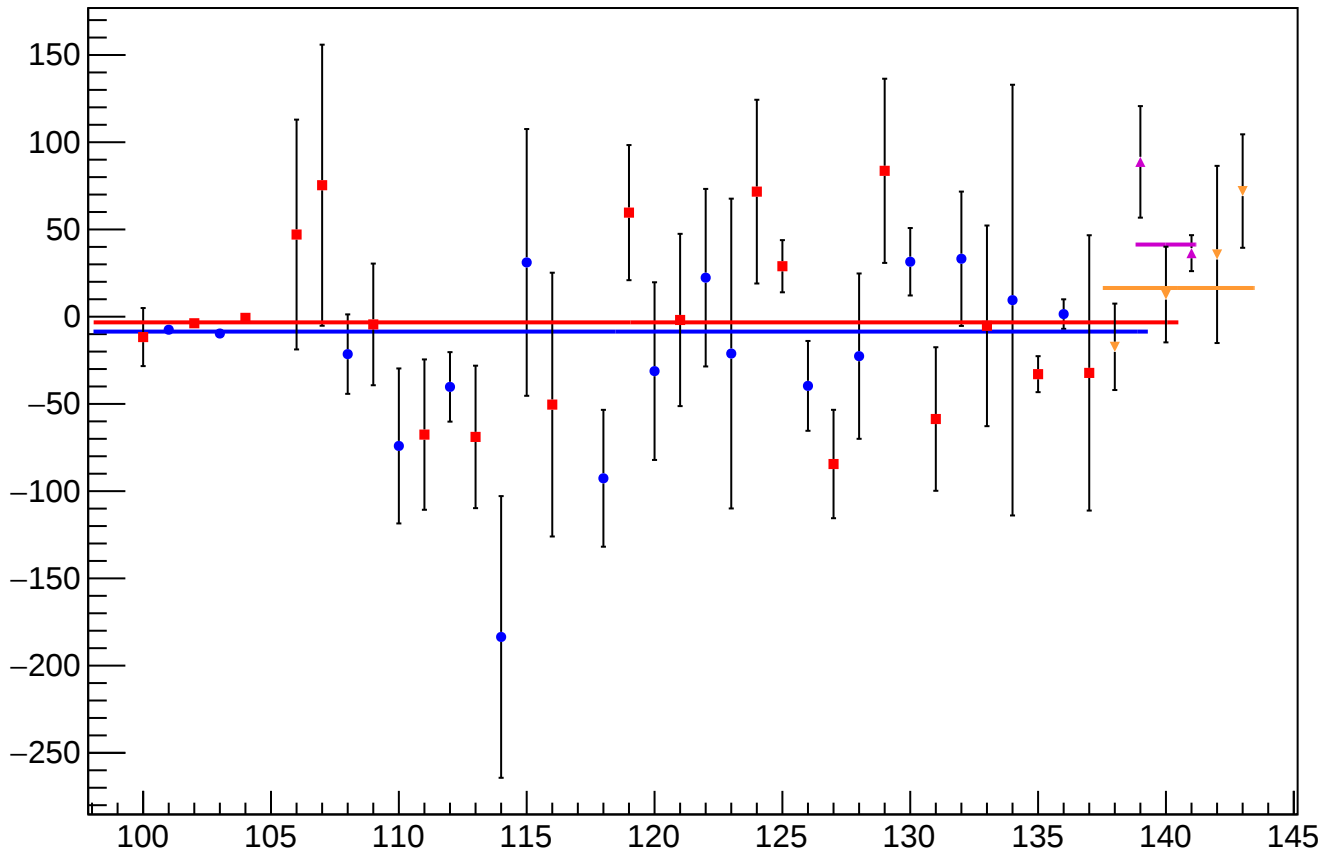
Right: 4288.220 $\pm$ 1.341 χ^2/NDF : 13385734.9/35

In: 4399.979 $\pm$ 1.795 χ^2/NDF :6791943.3/18

Out: 5042.108 $\pm$ 1.939 χ^2/NDF :10511964.6/22

All: 4696.178 $\pm$ 1.317 χ^2/NDF : 17362963.3/4

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.536 $\pm$ 1.778 χ^2/NDF : 24.0/16

Left Out: 16.455 $\pm$ 15.261 χ^2/NDF : 4.9/3

Right Out: -3.248 $\pm$ 1.922 χ^2/NDF : 36.9/18

Left In: 41.353 $\pm$ 9.814 χ^2/NDF : 2.4/1

Left: 34.070 $\pm$ 8.254 χ^2/NDF : 9.2/5

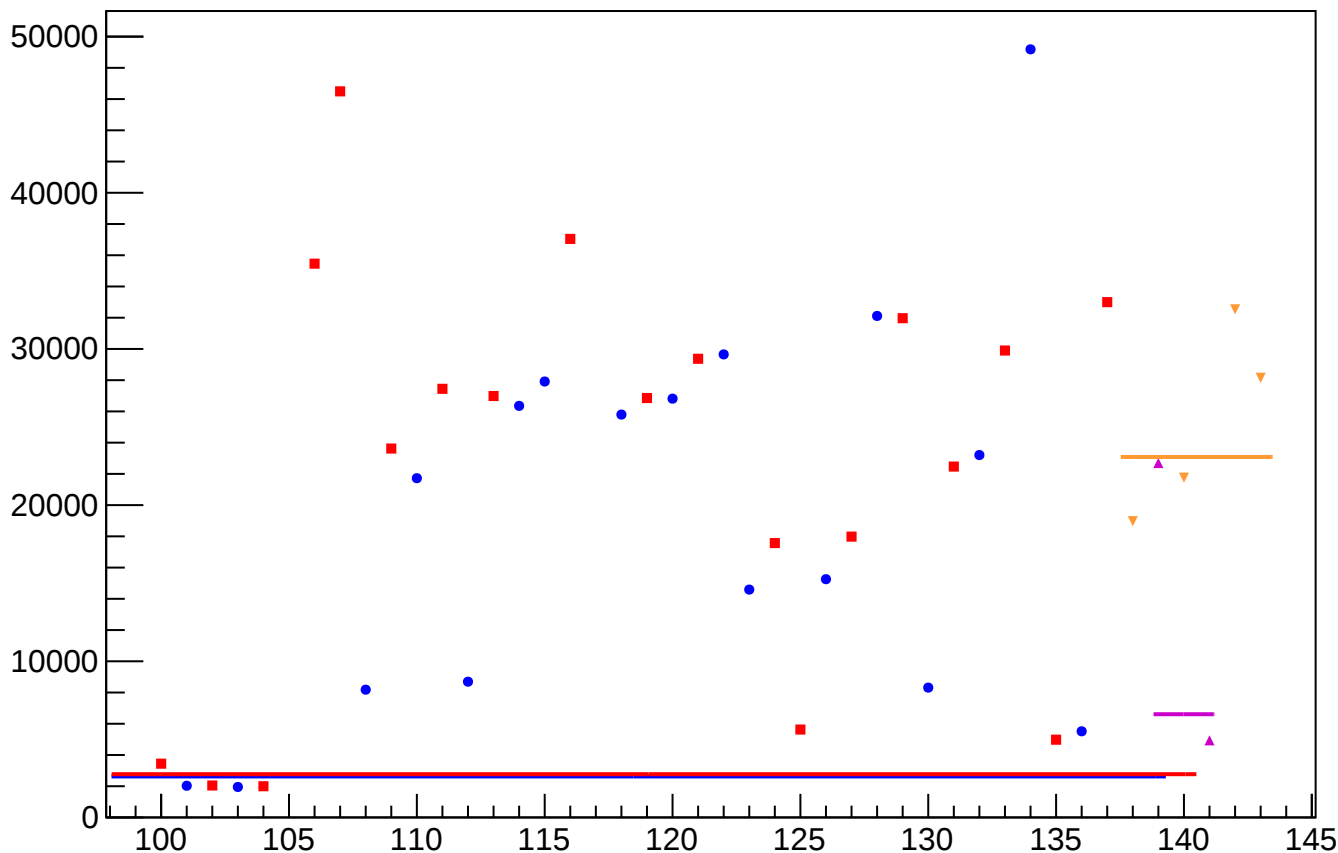
Right: -6.098 $\pm$ 1.305 χ^2/NDF : 65.0/35

In: -6.951 $\pm$ 1.750 χ^2/NDF : 51.4/18

Out: -2.940 $\pm$ 1.907 χ^2/NDF : 43.5/22

All: -5.118 $\pm$ 1.289 χ^2/NDF : 97.3/41

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2627.104+/-1.257 χ^2/NDF : 5569866.4/16

Left Out: 23081.779+/-10.791 χ^2/NDF : 177752.3/3

Right Out: 2770.651+/-1.359 χ^2/NDF : 7812778.8/18

Left In: 6609.969+/-6.939 χ^2/NDF : 558900.3/1

Left: 11428.679+/-5.837 χ^2/NDF : 2384979.1/5

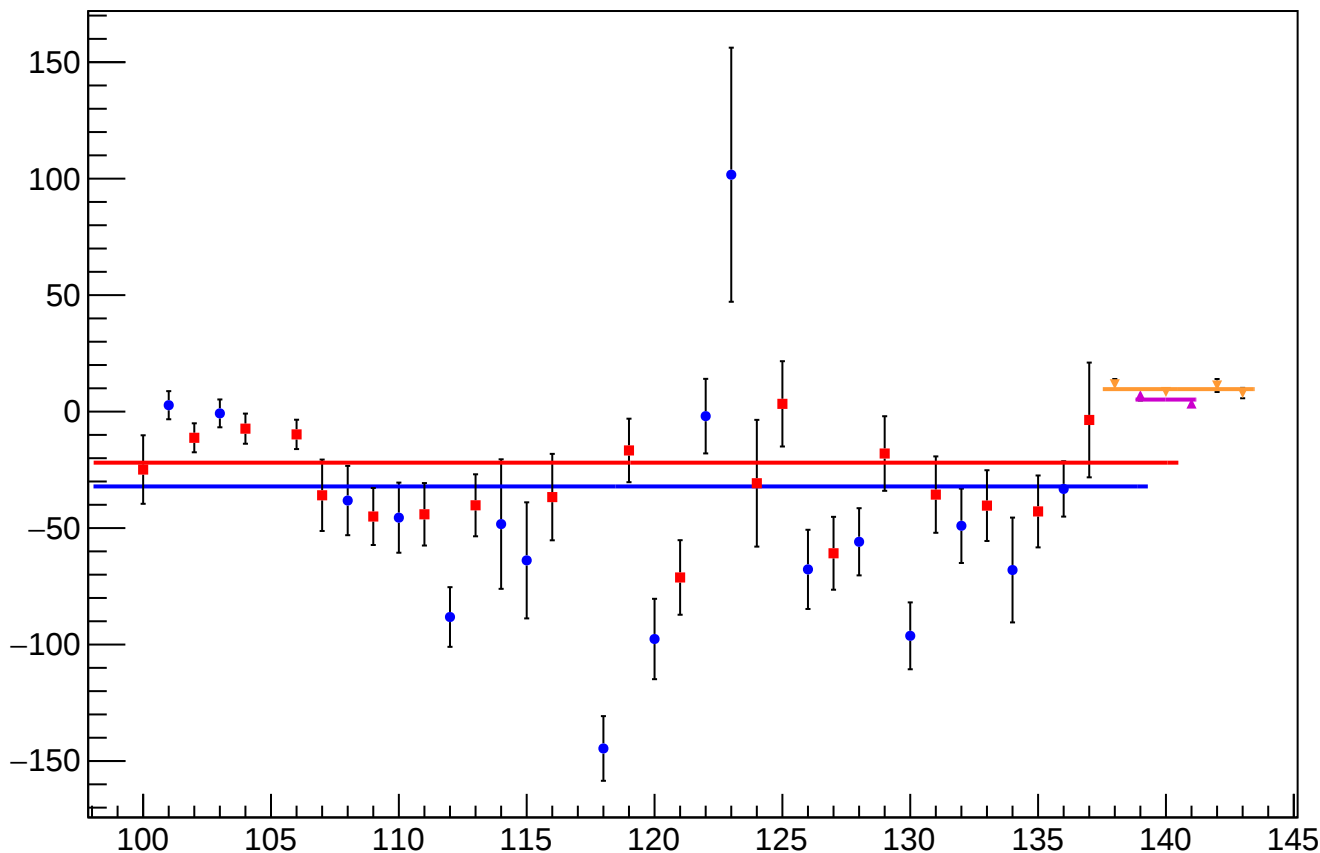
Right: 2693.290+/-0.923 χ^2/NDF : 13388655.9/35

In: 2753.689+/-1.237 χ^2/NDF : 6447726.1/18

Out: 3087.868+/-1.349 χ^2/NDF : 11477854.5/22

All: 2906.397+/-0.912 χ^2/NDF : 17958925.4/4

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -32.125 ± 2.985 χ^2/NDF : 203.3/16

Left Out: 9.651 ± 1.157 χ^2/NDF : 2.1/3

Right Out: -21.921 ± 2.672 χ^2/NDF : 43.9/18

Left In: 5.163 ± 1.569 χ^2/NDF : 1.3/1

Left: 8.070 ± 0.931 χ^2/NDF : 8.7/5

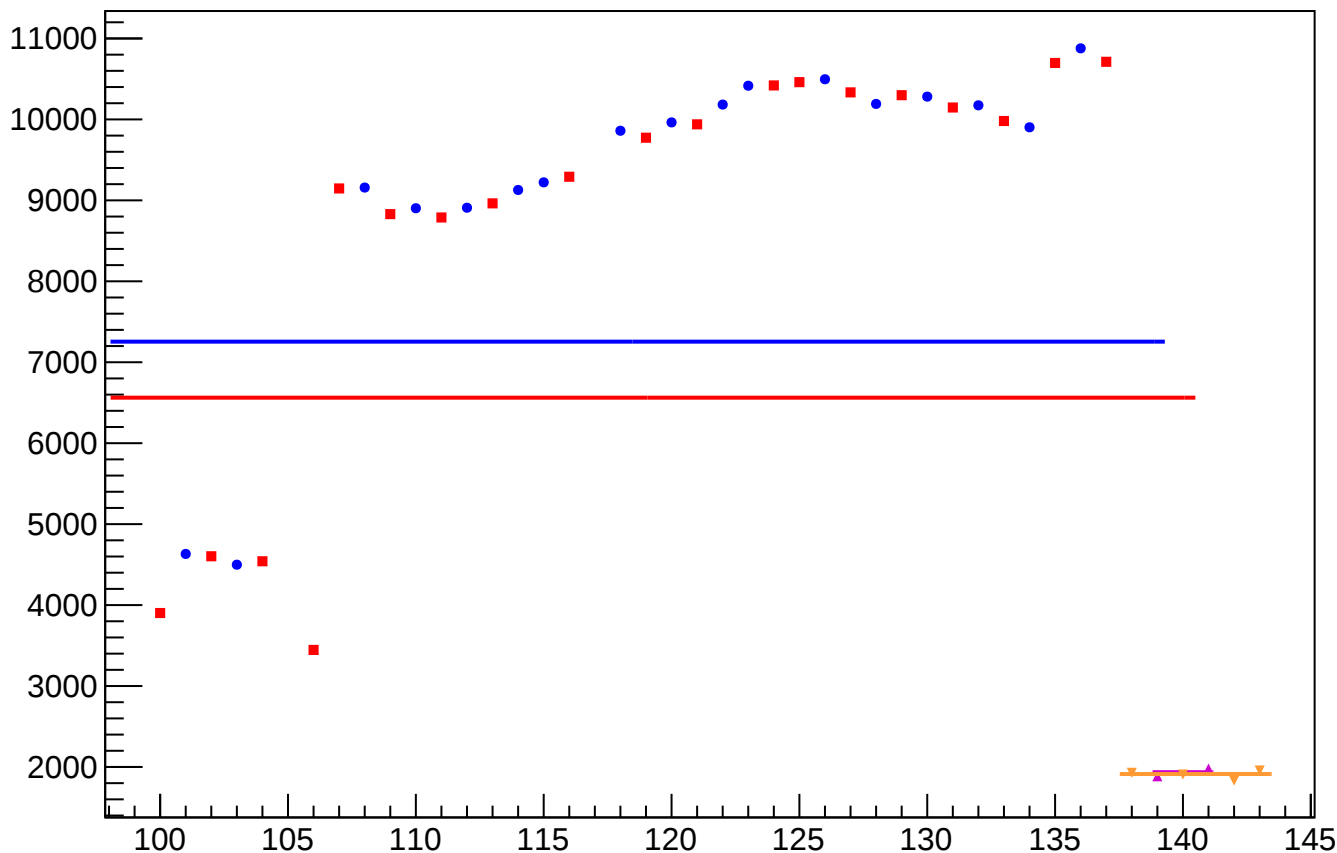
Right: -26.460 ± 1.991 χ^2/NDF : 253.7/35

In: -2.913 ± 1.389 χ^2/NDF : 326.9/18

Out: 4.663 ± 1.062 χ^2/NDF : 163.6/22

All: 1.868 ± 0.844 χ^2/NDF : 509.3/41

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7254.506+/-2.110 χ^2/NDF : 1633073.8/16

Left Out: 1912.695+/-0.818 χ^2/NDF : 2588.5/3

Right Out: 6562.403+/-1.889 χ^2/NDF : 2190982.1/18

Left In: 1935.804+/-1.110 χ^2/NDF : 1842.6/1

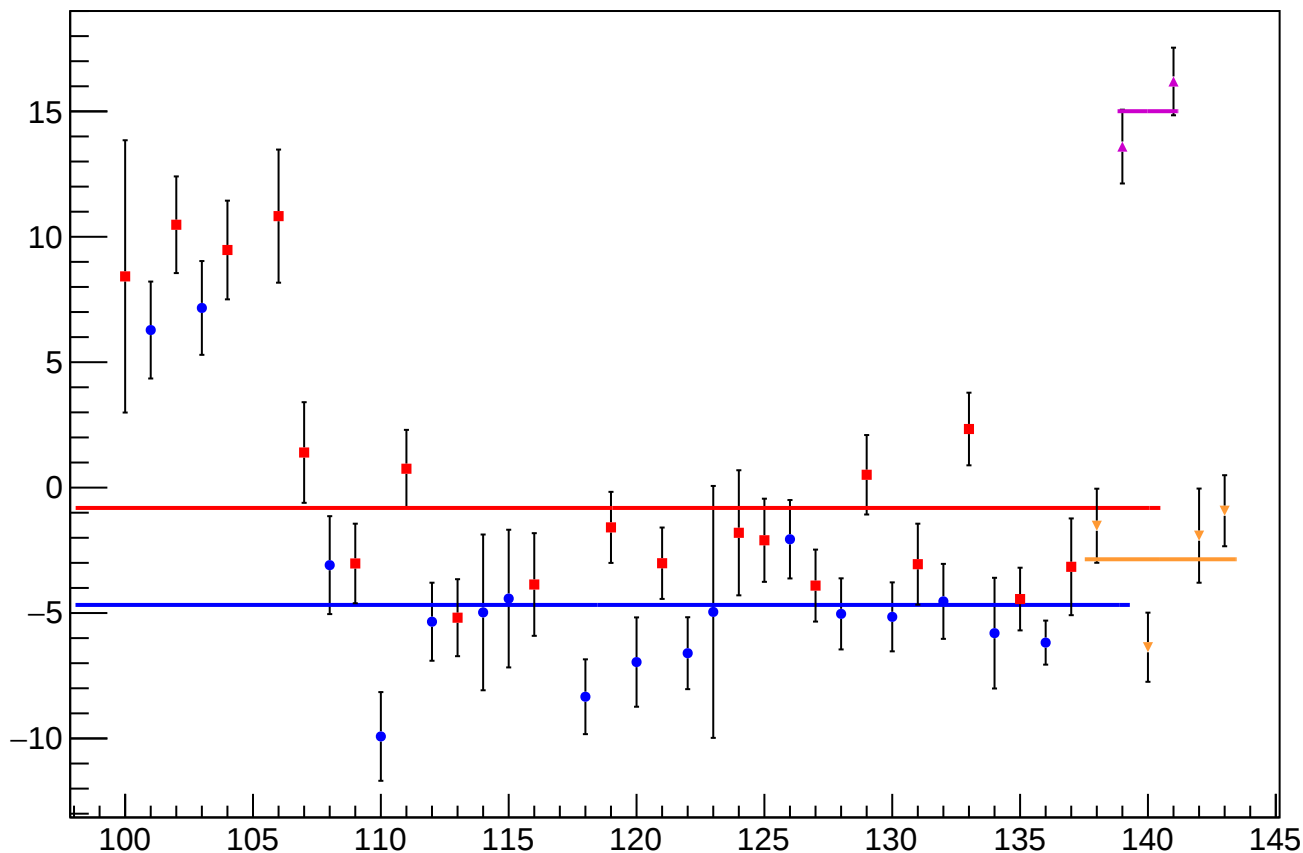
Left: 1920.835+/-0.659 χ^2/NDF : 4712.0/5
 Right: 6870.261+/-1.408 χ^2/NDF : 3883763.4/35

In: 3087.727+/-0.982 χ^2/NDF : 6610626.3/18

Out: 2647.315+/-0.751 χ^2/NDF : 7294790.9/22

All: 2809.772+/-0.597 χ^2/NDF : 14032318.1/4

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.677 $\pm$ 0.393 χ^2/NDF : 97.6/16

Left Out: -2.857 $\pm$ 0.752 χ^2/NDF : 9.4/3

Right Out: -0.810 $\pm$ 0.389 χ^2/NDF : 123.7/18

Left In: 15.007 $\pm$ 0.994 χ^2/NDF : 1.7/1

Left: 3.649 $\pm$ 0.600 χ^2/NDF : 216.5/5

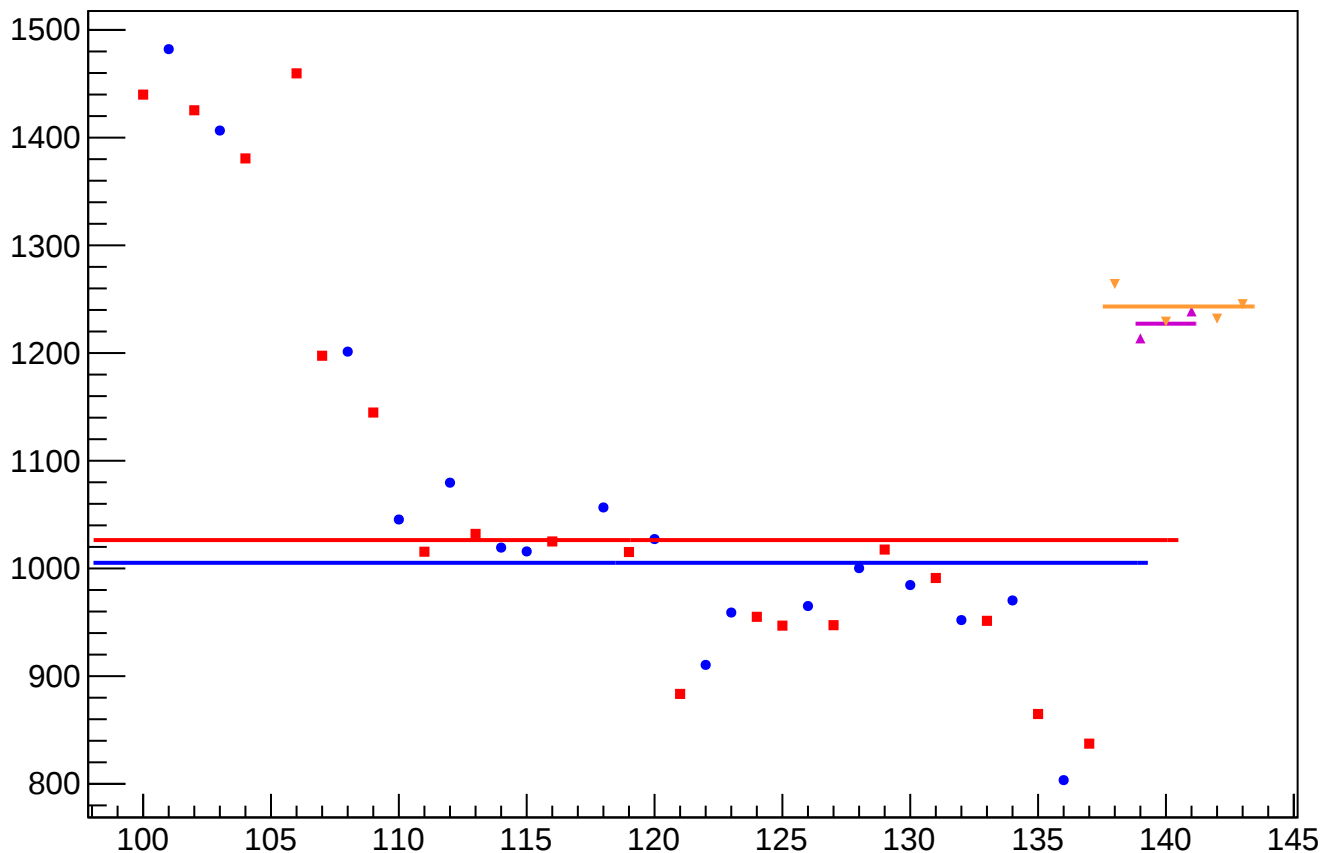
Right: -2.723 $\pm$ 0.277 χ^2/NDF : 270.1/35

In: -2.011 $\pm$ 0.366 χ^2/NDF : 438.3/18

Out: -1.243 $\pm$ 0.346 χ^2/NDF : 138.9/22

All: -1.605 $\pm$ 0.251 χ^2/NDF : 579.6/41

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1005.234+/-0.278 χ^2/NDF : 361933.2/16

Left Out: 1243.208+/-0.532 χ^2/NDF : 684.2/3

Right Out: 1026.341+/-0.275 χ^2/NDF : 332964.3/18

Left In: 1227.248+/-0.703 χ^2/NDF : 315.1/1

Left: 1237.396+/-0.424 χ^2/NDF : 1327.2/5

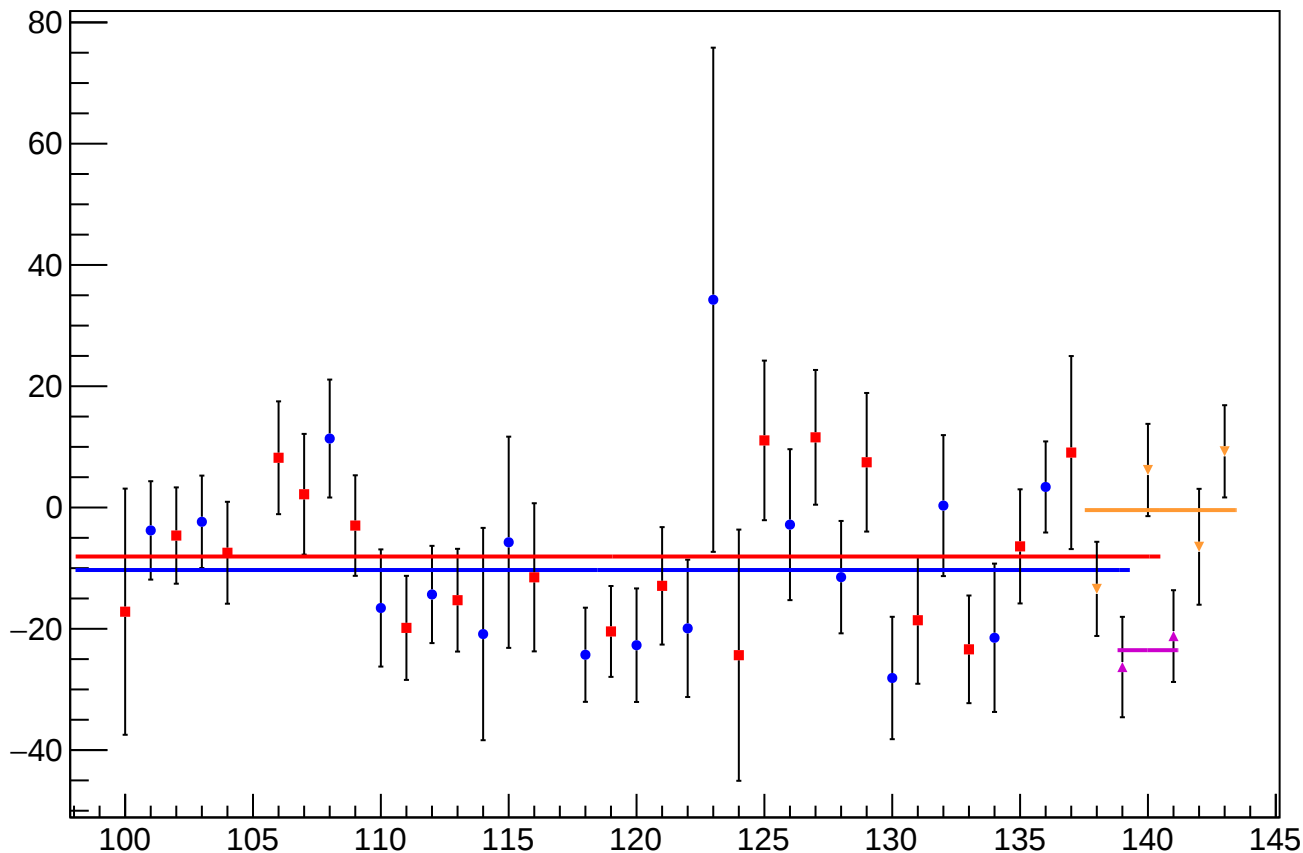
Right: 1015.898+/-0.196 χ^2/NDF : 697807.1/35

In: 1035.296+/-0.259 χ^2/NDF : 448524.5/18

Out: 1072.139+/-0.244 χ^2/NDF : 464770.4/22

All: 1054.755+/-0.178 χ^2/NDF : 924014.0/41

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.305 ± 2.412 $\chi^2/\text{NDF}: 23.2/16$

Left Out: -0.424 ± 4.013 $\chi^2/\text{NDF}: 5.6/3$

Right Out: -8.079 ± 2.281 $\chi^2/\text{NDF}: 23.4/18$

Left In: -23.525 ± 5.585 $\chi^2/\text{NDF}: 0.2/1$

Left: -8.289 ± 3.259 $\chi^2/\text{NDF}: 17.1/5$

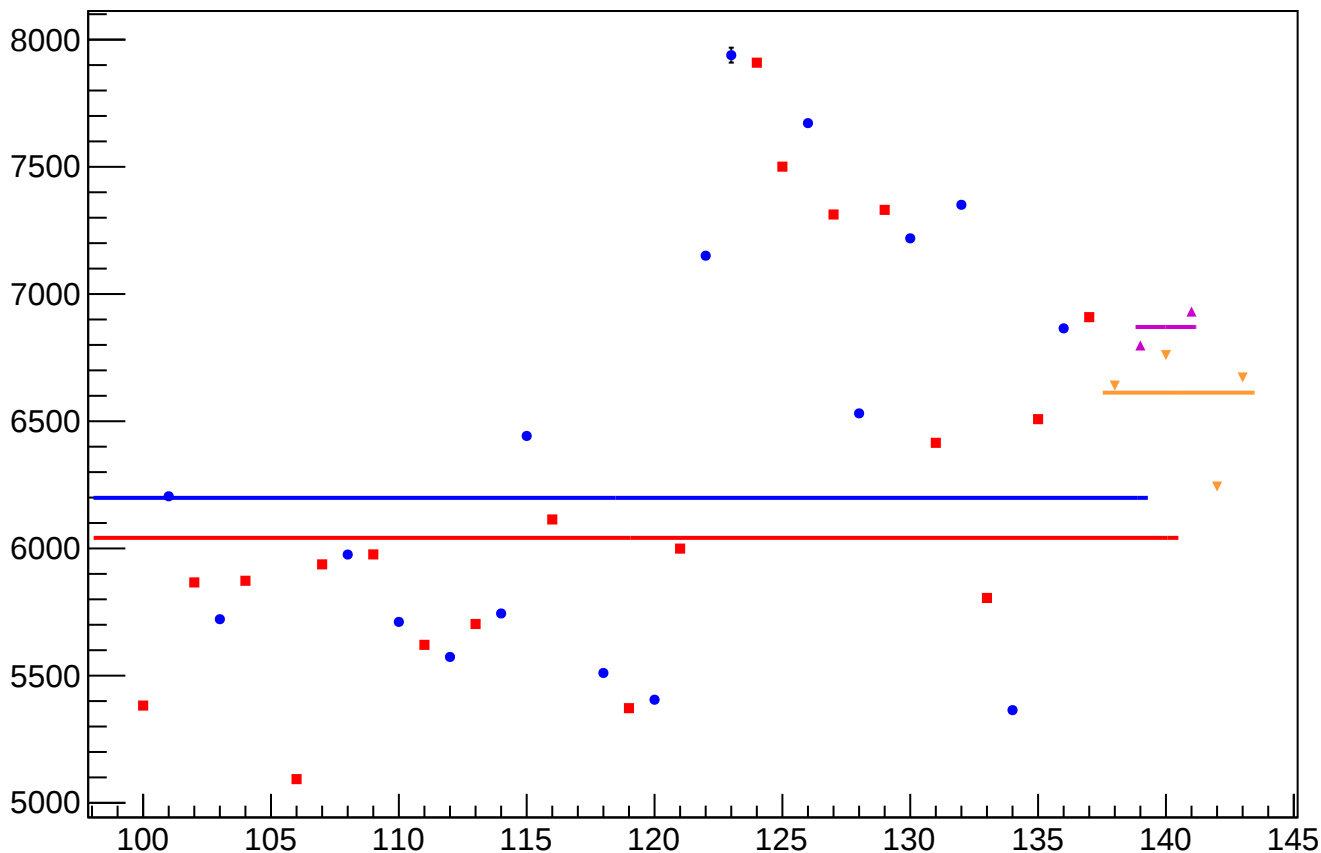
Right: -9.130 ± 1.657 $\chi^2/\text{NDF}: 47.1/35$

In: -12.383 ± 2.214 $\chi^2/\text{NDF}: 28.1/18$

Out: -6.210 ± 1.983 $\chi^2/\text{NDF}: 31.8/22$

All: -8.957 ± 1.477 $\chi^2/\text{NDF}: 64.2/41$

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 6198.871 $\pm$ 1.705 χ^2/NDF : 171305.8/16

Left Out: 6612.365 $\pm$ 2.837 χ^2/NDF : 3887.3/3

Right Out: 6041.626 $\pm$ 1.613 χ^2/NDF : 156387.0/18

Left In: 6870.477 $\pm$ 3.949 χ^2/NDF : 282.1/1

Left: 6700.242 $\pm$ 2.304 χ^2/NDF : 6986.7/5

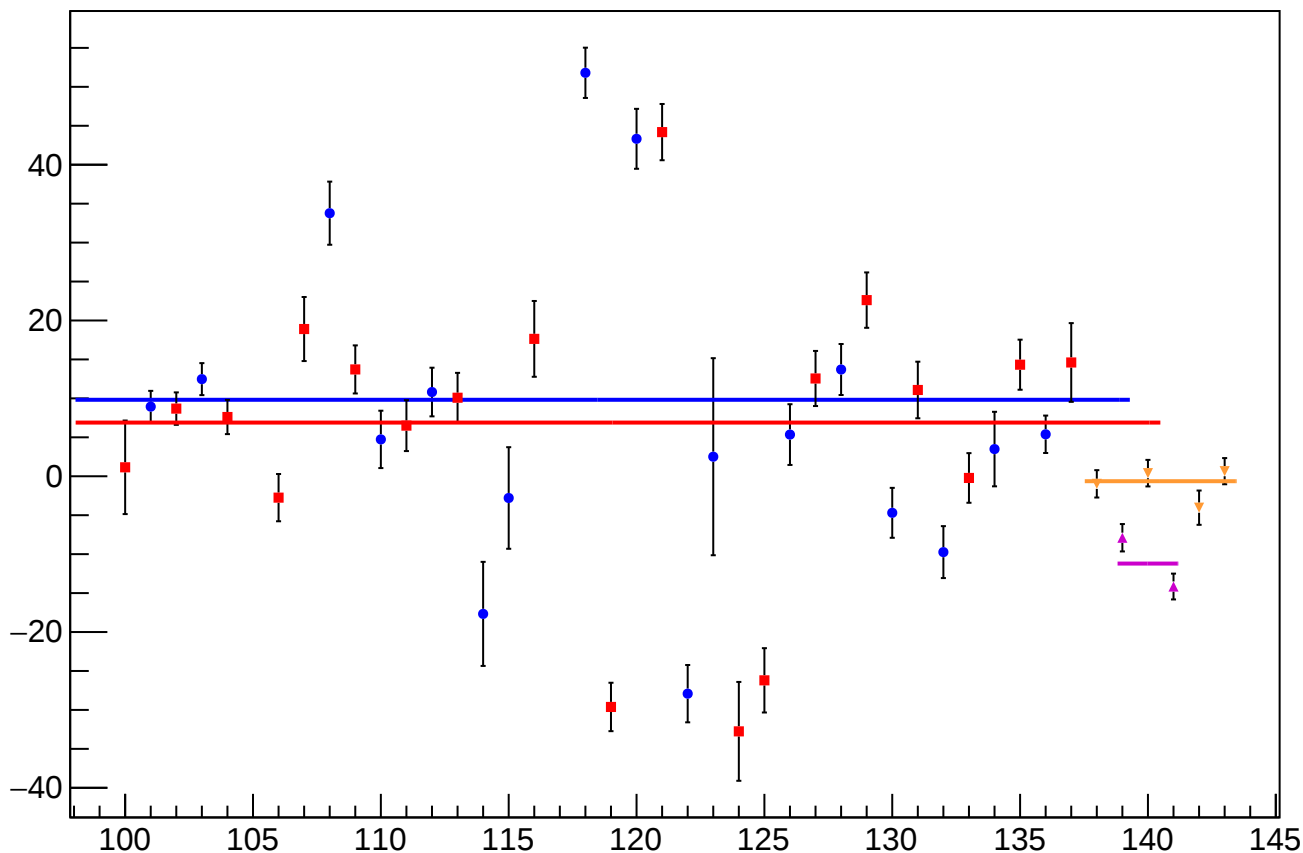
Right: 6115.860 $\pm$ 1.172 χ^2/NDF : 332181.0/35

In: 6304.426 $\pm$ 1.566 χ^2/NDF : 195963.0/18

Out: 6180.980 $\pm$ 1.402 χ^2/NDF : 190855.2/22

All: 6235.919 $\pm$ 1.044 χ^2/NDF : 390268.2/41

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 9.819 ± 0.798 χ^2/NDF : 472.6/16

Left Out: -0.634 ± 0.902 χ^2/NDF : 3.4/3

Right Out: 6.893 ± 0.766 χ^2/NDF : 415.2/18

Left In: -11.210 ± 1.206 χ^2/NDF : 6.7/1

Left: -4.429 ± 0.722 χ^2/NDF : 59.4/5

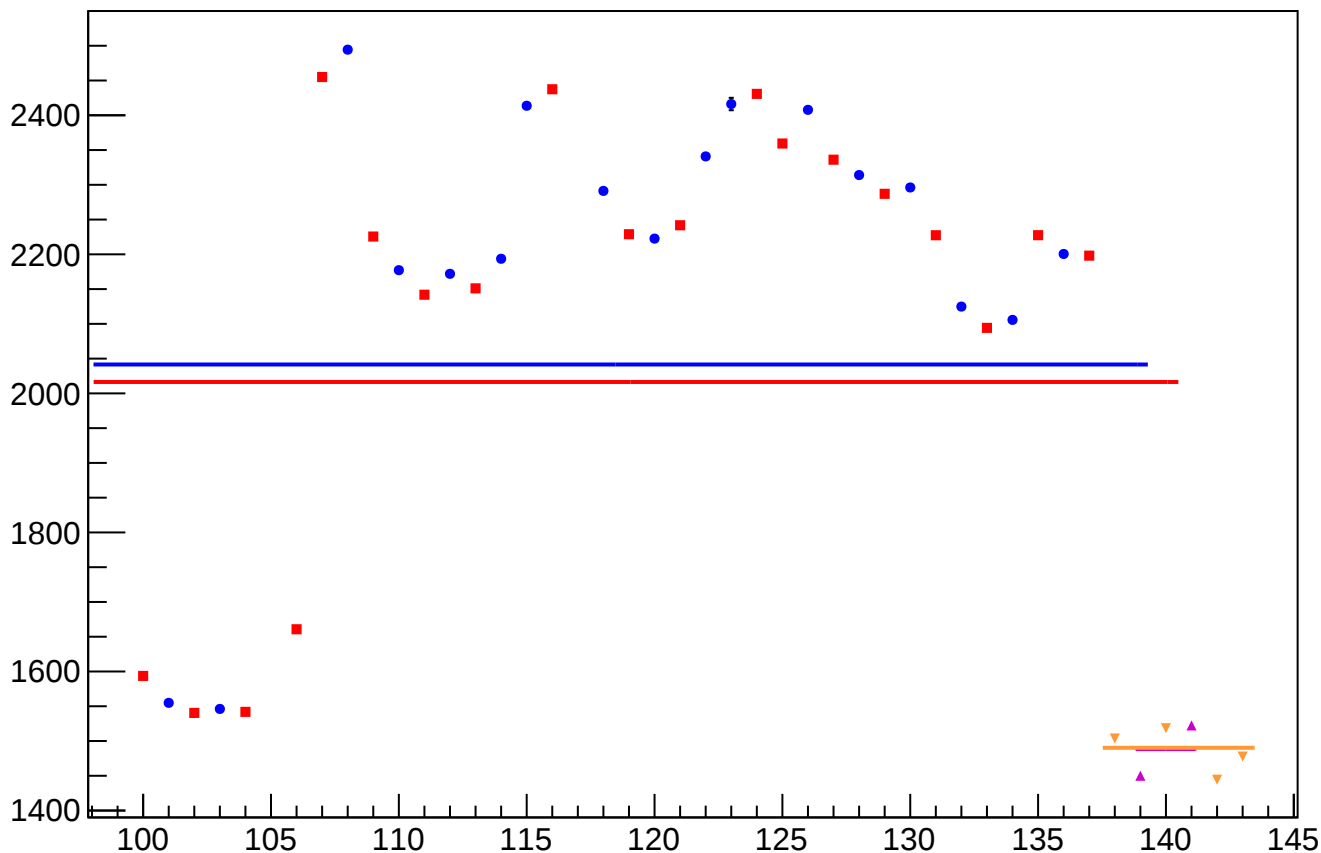
Right: 8.296 ± 0.553 χ^2/NDF : 894.8/35

In: 3.416 ± 0.665 χ^2/NDF : 690.8/18

Out: 3.741 ± 0.584 χ^2/NDF : 459.0/22

All: 3.600 ± 0.439 χ^2/NDF : 1150.0/41

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 2041.543 $\pm$ 0.564 χ^2 /NDF: 356223.7/16

Left Out: 1490.302 $\pm$ 0.638 χ^2 /NDF:1644.6/3

Right Out: 2016.419 $\pm$ 0.542 χ^2 /NDF: 375150.5/18

Left In: 1488.369 $\pm$ 0.853 χ^2 /NDF:1792.8/1

Left: 1489.609 $\pm$ 0.511 χ^2 /NDF: 3440.7/5

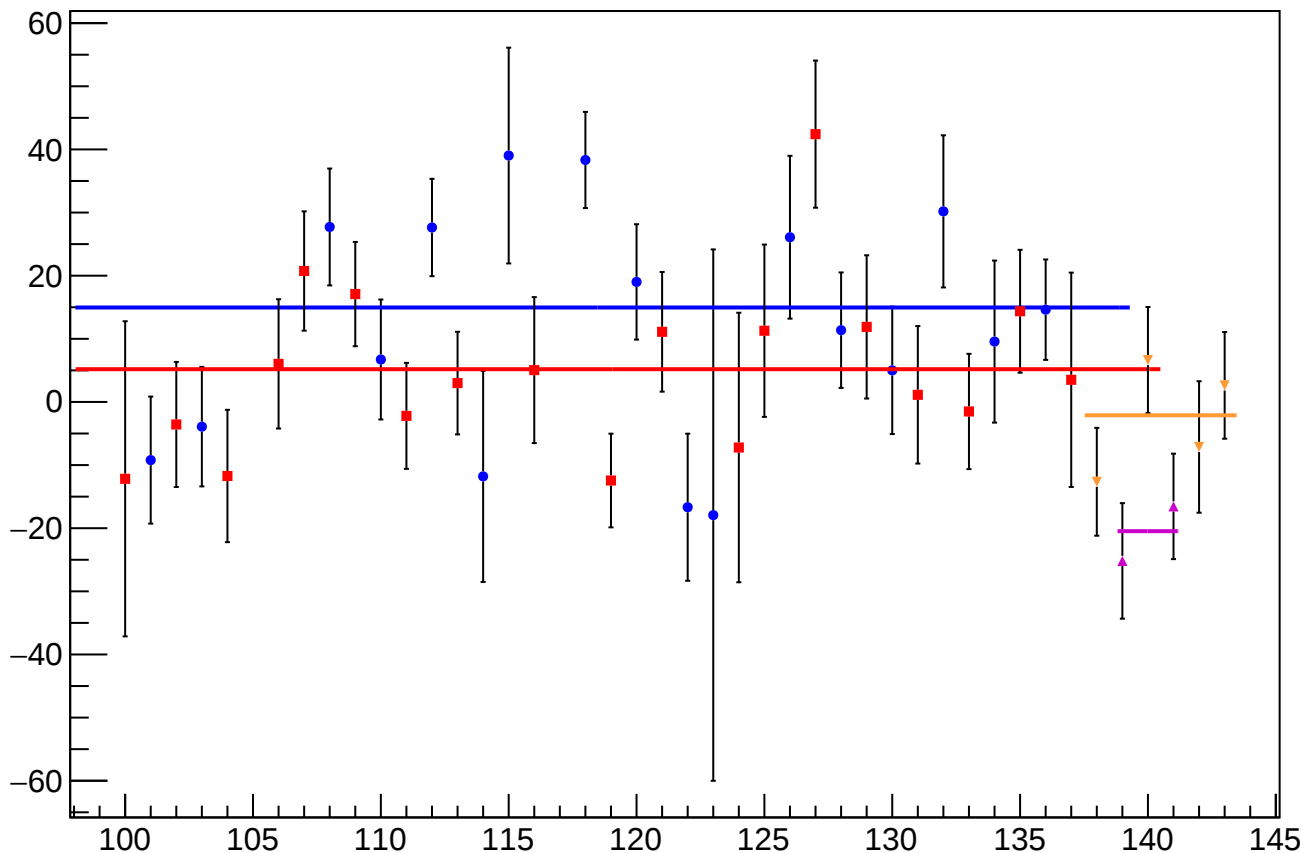
Right: 2028.464 $\pm$ 0.391 χ^2 /NDF: 732406.2/35

In: 1873.107 $\pm$ 0.471 χ^2 /NDF:650665.2/18

Out: 1796.086 $\pm$ 0.413 χ^2 /NDF:772111.5/22

All: 1829.584 $\pm$ 0.310 χ^2 /NDF: 1437914.9/41

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.961+/-2.490 χ^2/NDF : 40.9/16

Left Out: -2.115+/-4.422 χ^2/NDF : 3.2/3

Right Out: 5.187+/-2.360 χ^2/NDF : 28.2/18

Left In: -20.470+/-6.169 χ^2/NDF : 0.5/1

Left: -8.346+/-3.594 χ^2/NDF : 9.5/5

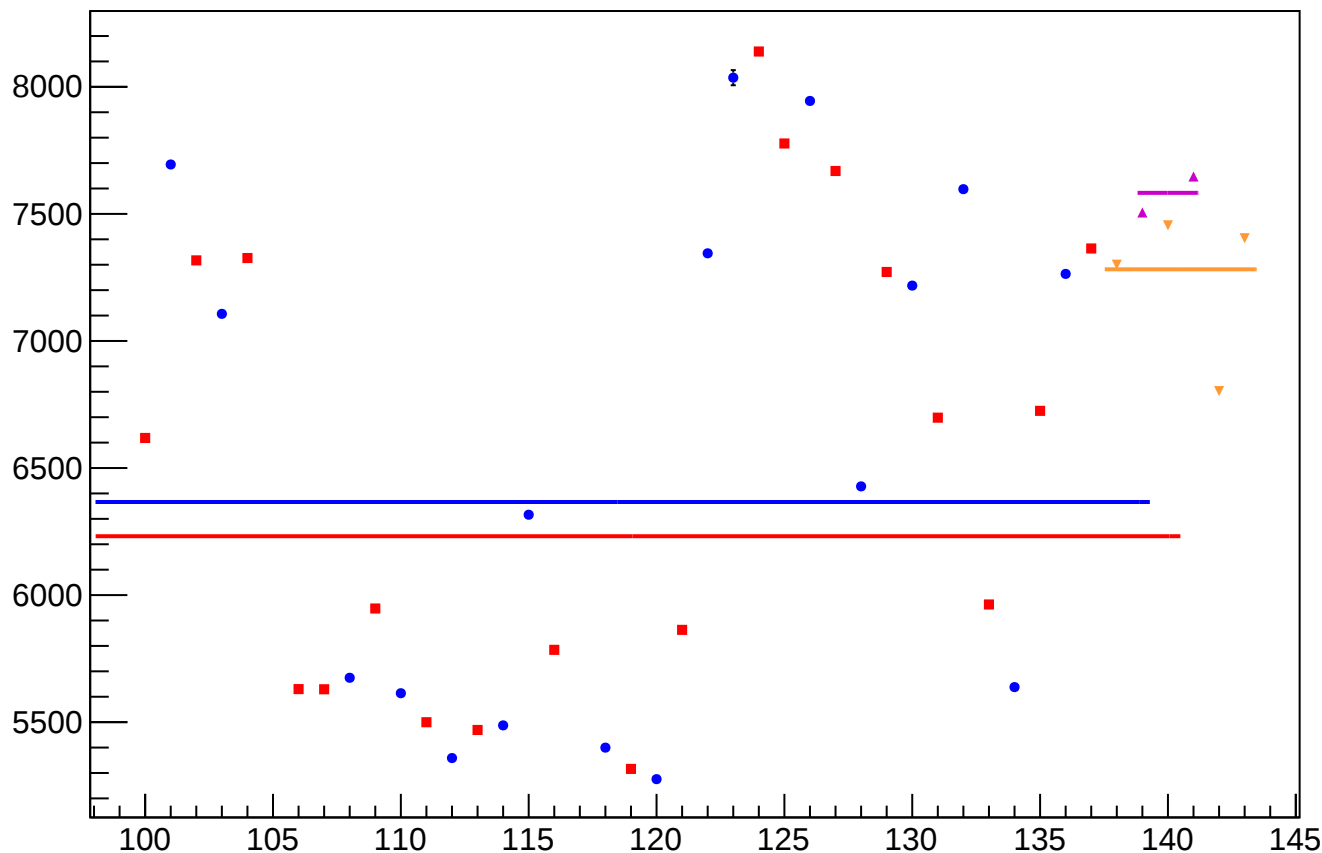
Right: 9.813+/-1.713 χ^2/NDF : 77.2/35

In: 9.998+/-2.309 χ^2/NDF : 69.7/18

Out: 3.569+/-2.082 χ^2/NDF : 33.5/22

All: 6.452+/-1.546 χ^2/NDF : 107.5/41

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6366.340+/-1.760 χ^2/NDF : 285567.3/16

Left Out: 7281.967+/-3.127 χ^2/NDF : 5514.4/3

Right Out: 6231.657+/-1.669 χ^2/NDF : 241308.4/18

Left In: 7582.871+/-4.362 χ^2/NDF : 261.1/1

Left: 7384.118+/-2.542 χ^2/NDF : 8918.6/5

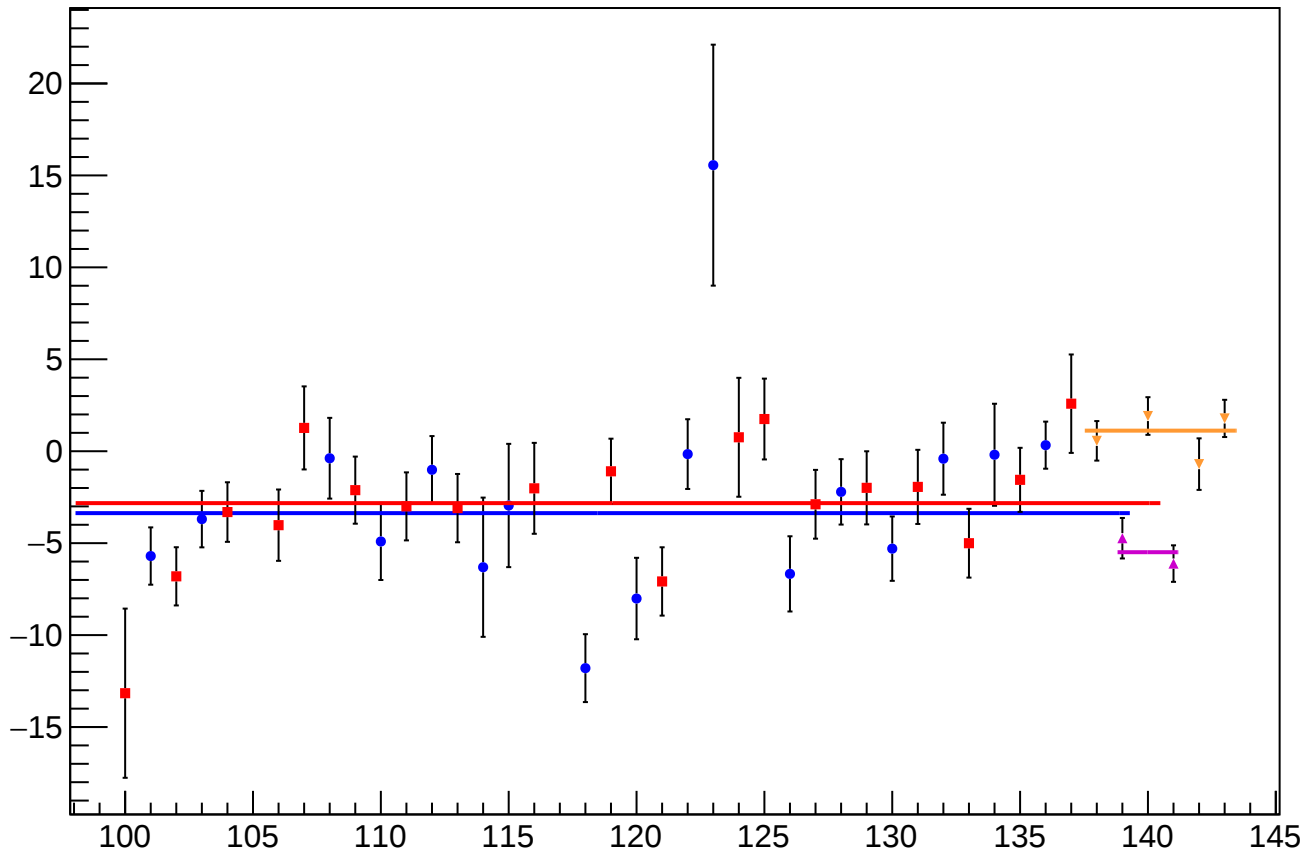
Right: 6295.395+/-1.211 χ^2/NDF : 529958.8/35

In: 6536.739+/-1.633 χ^2/NDF : 352715.4/18

Out: 6464.431+/-1.472 χ^2/NDF : 334628.7/22

All: 6496.861+/-1.093 χ^2/NDF : 688426.0/41

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.367 ± 0.476 χ^2/NDF : 59.6/16

Left Out: 1.119 ± 0.550 χ^2/NDF : 3.0/3

Right Out: -2.823 ± 0.457 χ^2/NDF : 33.5/18

Left In: -5.492 ± 0.738 χ^2/NDF : 0.9/1

Left: -1.244 ± 0.441 χ^2/NDF : 55.5/5

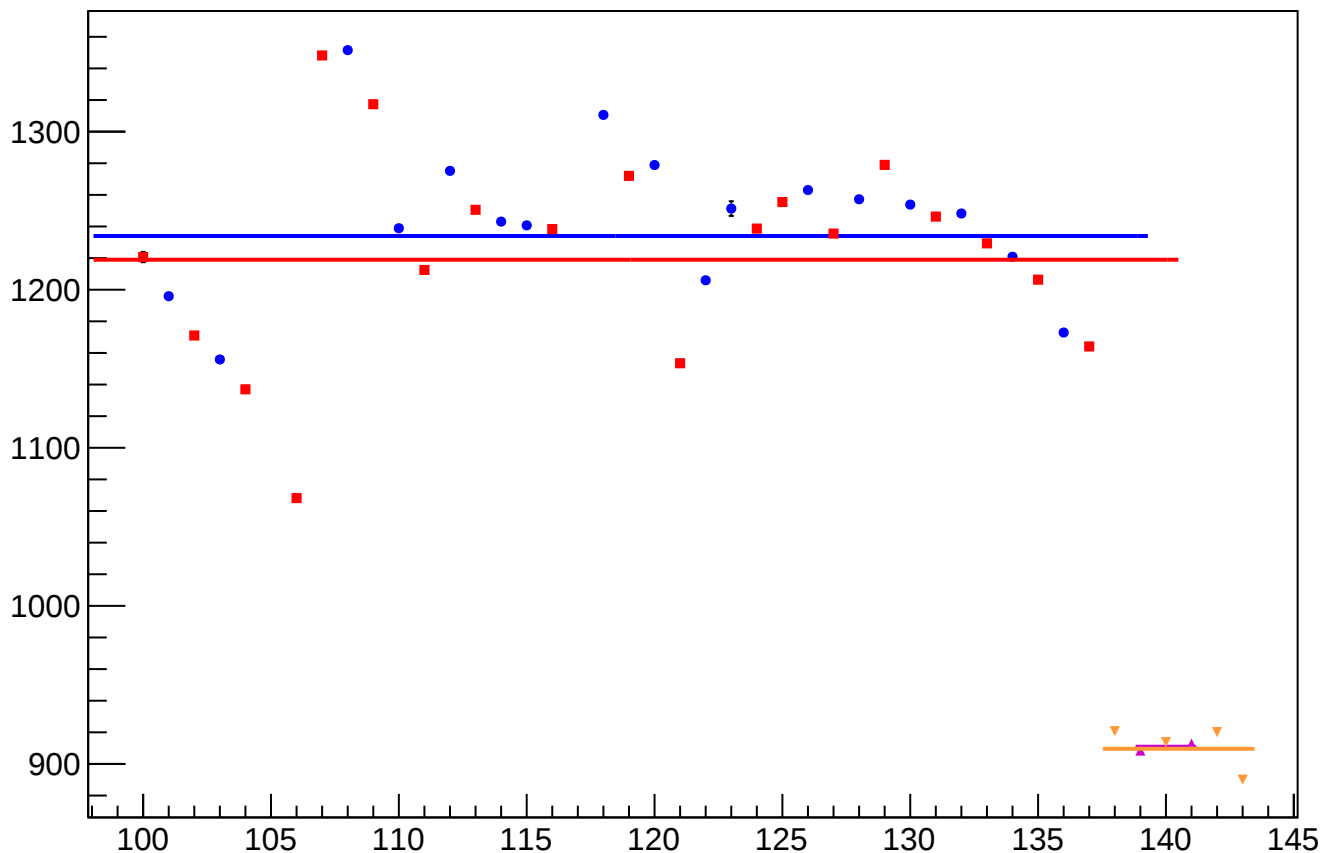
Right: -3.084 ± 0.330 χ^2/NDF : 93.8/35

In: -3.992 ± 0.400 χ^2/NDF : 66.3/18

Out: -1.213 ± 0.352 χ^2/NDF : 66.9/22

All: -2.424 ± 0.264 χ^2/NDF : 160.4/41

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1233.978+/-0.337 χ^2/NDF : 23557.3/16

Left Out: 909.592+/-0.389 χ^2/NDF :1108.7/3

Right Out: 1218.985+/-0.323 χ^2/NDF : 40373.1/18

Left In: 910.887+/-0.521 χ^2/NDF :17.6/1

Left: 910.055+/-0.312 χ^2/NDF : 1130.2/5

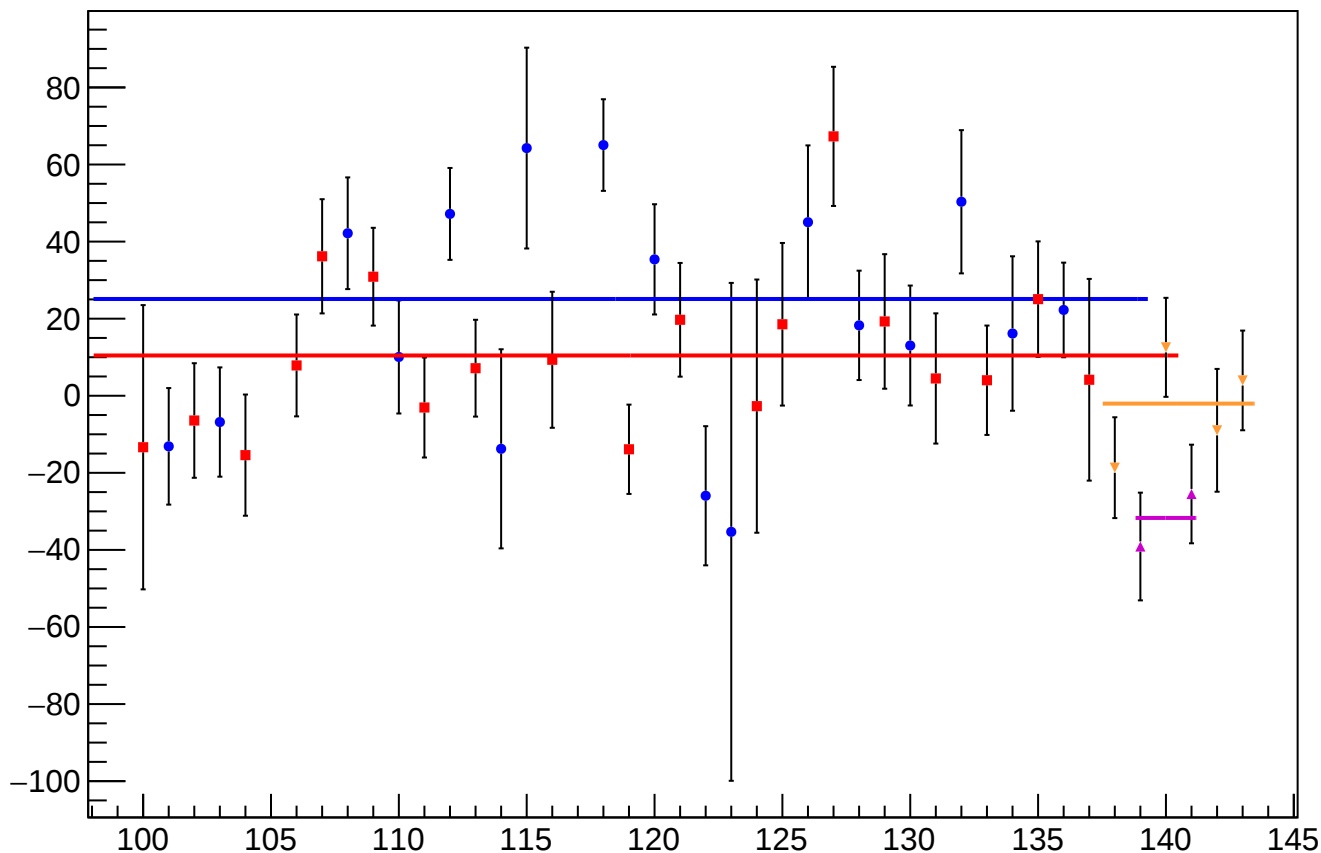
Right: 1226.173+/-0.233 χ^2/NDF : 64961.9/35

In: 1138.873+/-0.283 χ^2/NDF :294423.3/18

Out: 1092.619+/-0.249 χ^2/NDF :415658.2/22

All: 1112.772+/-0.187 χ^2/NDF : 725162.2/41

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 25.108 $\pm$ 3.844 χ^2 /NDF: 46.5/16

Left Out: -2.037 $\pm$ 6.769 χ^2 /NDF:3.3/3

Right Out: 10.450 $\pm$ 3.598 χ^2 /NDF: 27.8/18

Left In: -31.705 $\pm$ 9.437 χ^2 /NDF:0.5/1

Left: -12.116 $\pm$ 5.501 χ^2 /NDF: 10.4/5

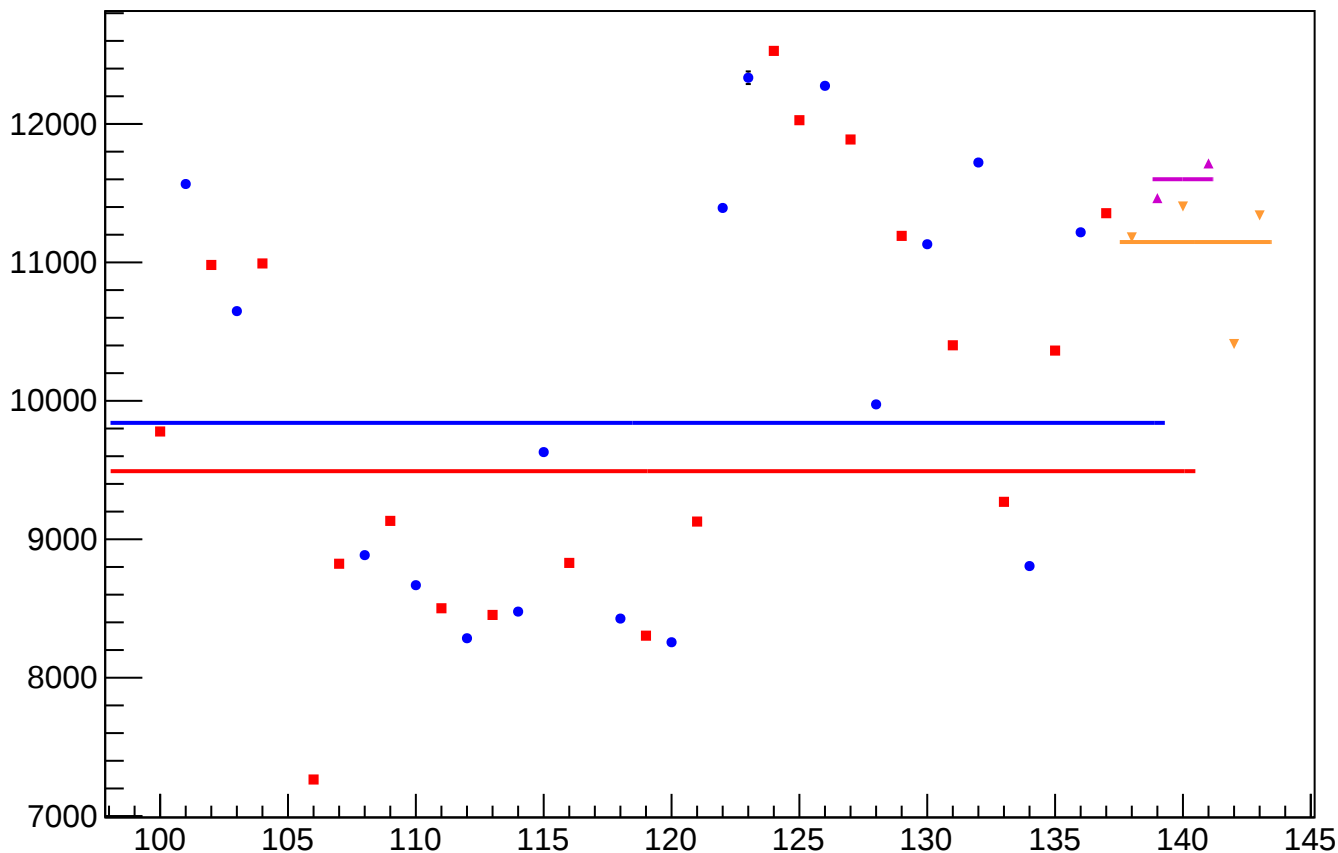
Right: 17.296 $\pm$ 2.627 χ^2 /NDF: 82.1/35

In: 17.023 $\pm$ 3.560 χ^2 /NDF:78.1/18

Out: 7.699 $\pm$ 3.177 χ^2 /NDF:33.8/22

All: 11.833 $\pm$ 2.371 χ^2 /NDF: 115.7/41

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9840.966 $\pm$ 2.718 χ^2/NDF : 259106.8/16

Left Out: 11147.210 $\pm$ 4.787 χ^2/NDF :5530.5/3

Right Out: 9491.994 $\pm$ 2.544 χ^2/NDF : 274580.8/18

Left In: 11600.761 $\pm$ 6.673 χ^2/NDF :349.7/1

Left: 11301.294 $\pm$ 3.889 χ^2/NDF : 8930.4/5

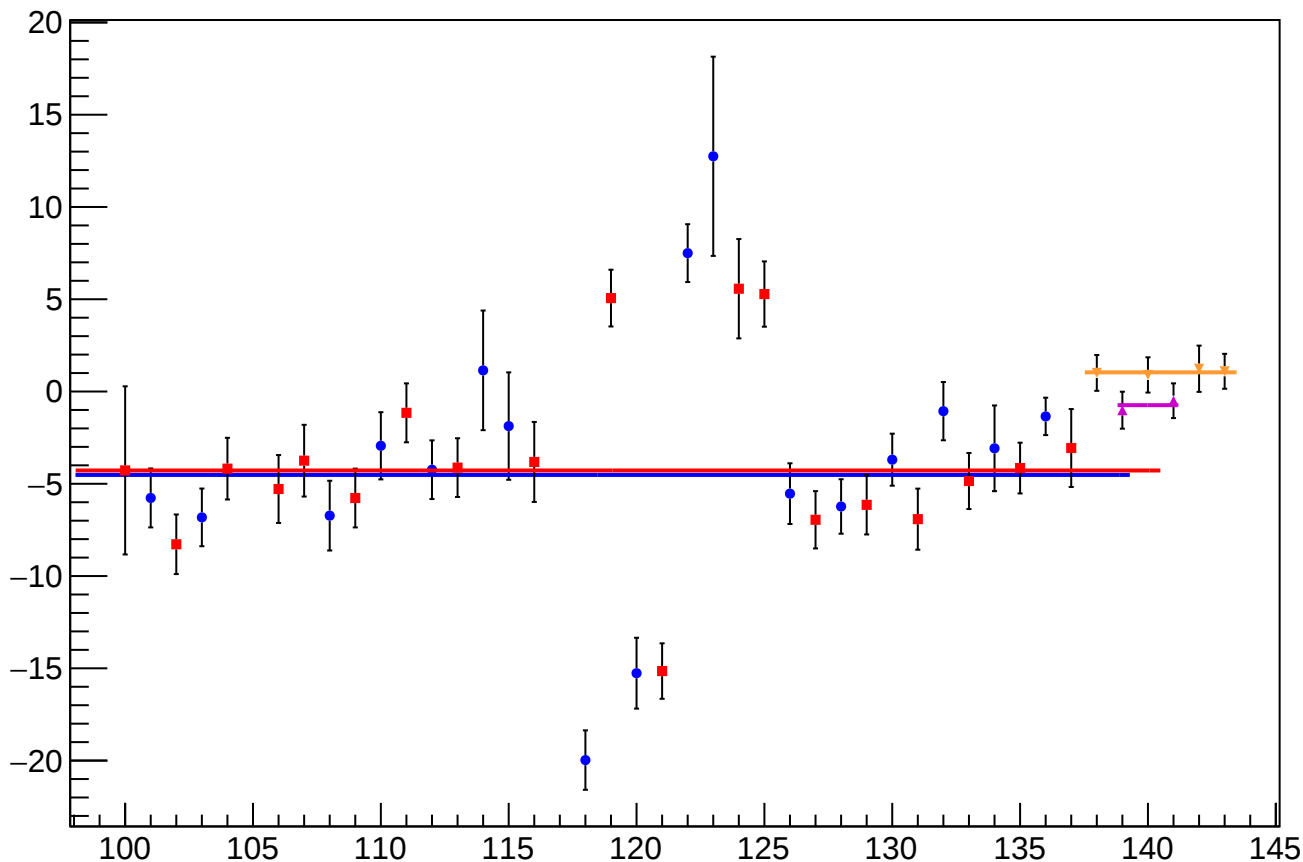
Right: 9654.969 $\pm$ 1.858 χ^2/NDF : 542472.7/35

In: 10091.400 $\pm$ 2.517 χ^2/NDF :319105.7/18

Out: 9856.651 $\pm$ 2.247 χ^2/NDF :373345.0/22

All: 9960.733 $\pm$ 1.676 χ^2/NDF : 697291.3/41

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.520 ± 0.409 χ^2/NDF : 218.2/16

Left Out: 1.039 ± 0.506 χ^2/NDF : 0.1/3

Right Out: -4.279 ± 0.395 χ^2/NDF : 150.4/18

Left In: -0.739 ± 0.686 χ^2/NDF : 0.1/1

Left: 0.413 ± 0.407 χ^2/NDF : 4.5/5

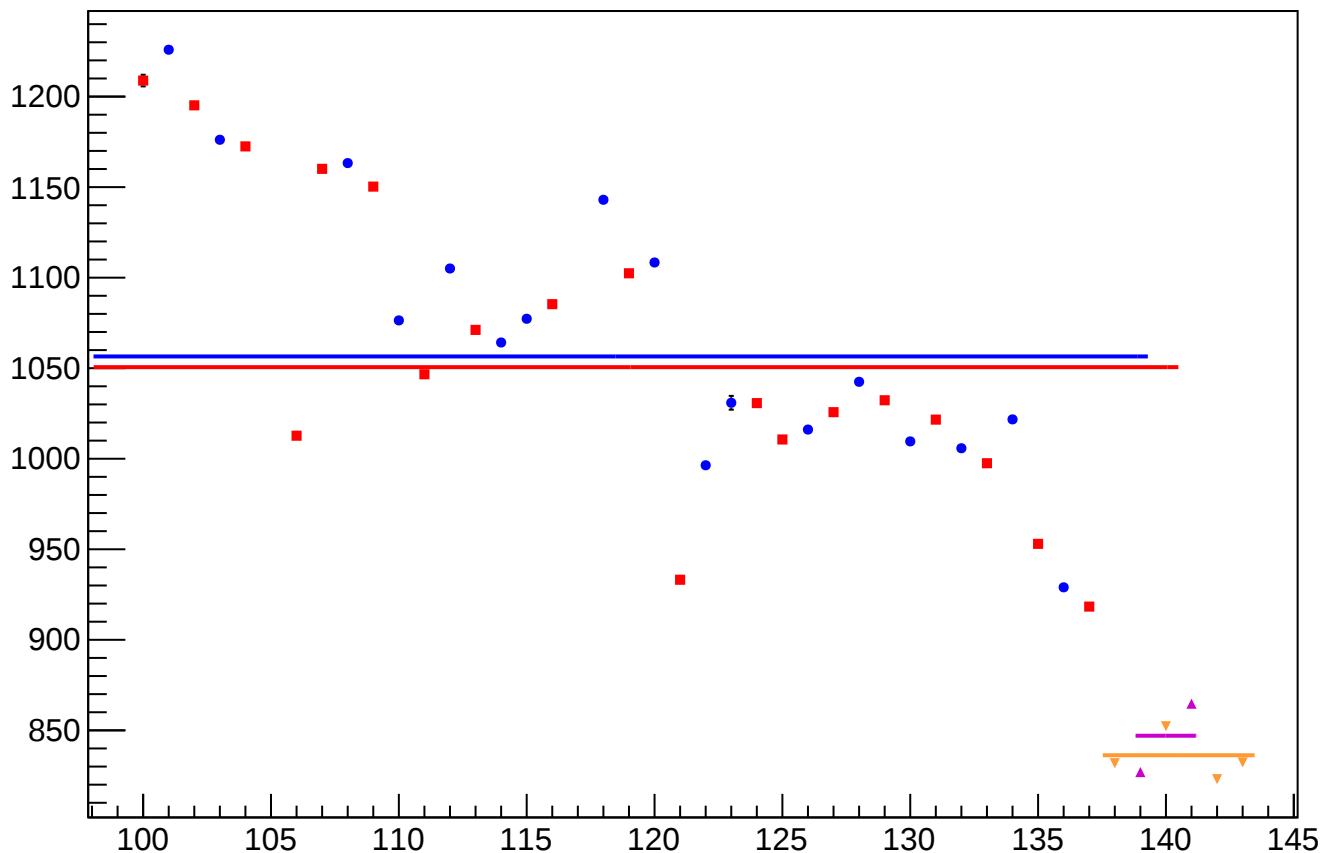
Right: -4.395 ± 0.284 χ^2/NDF : 368.8/35

In: -3.529 ± 0.351 χ^2/NDF : 240.7/18

Out: -2.266 ± 0.311 χ^2/NDF : 219.2/22

All: -2.821 ± 0.233 χ^2/NDF : 467.2/41

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1056.494 $\pm$ 0.289 χ^2 /NDF: 90759.5/16

Left Out: 836.256 $\pm$ 0.358 χ^2 /NDF: 862.0/3

Right Out: 1050.578 $\pm$ 0.279 χ^2 /NDF: 82328.7/18

Left In: 847.029 $\pm$ 0.485 χ^2 /NDF: 1509.0/1

Left: 840.048 $\pm$ 0.288 χ^2 /NDF: 2690.6/5

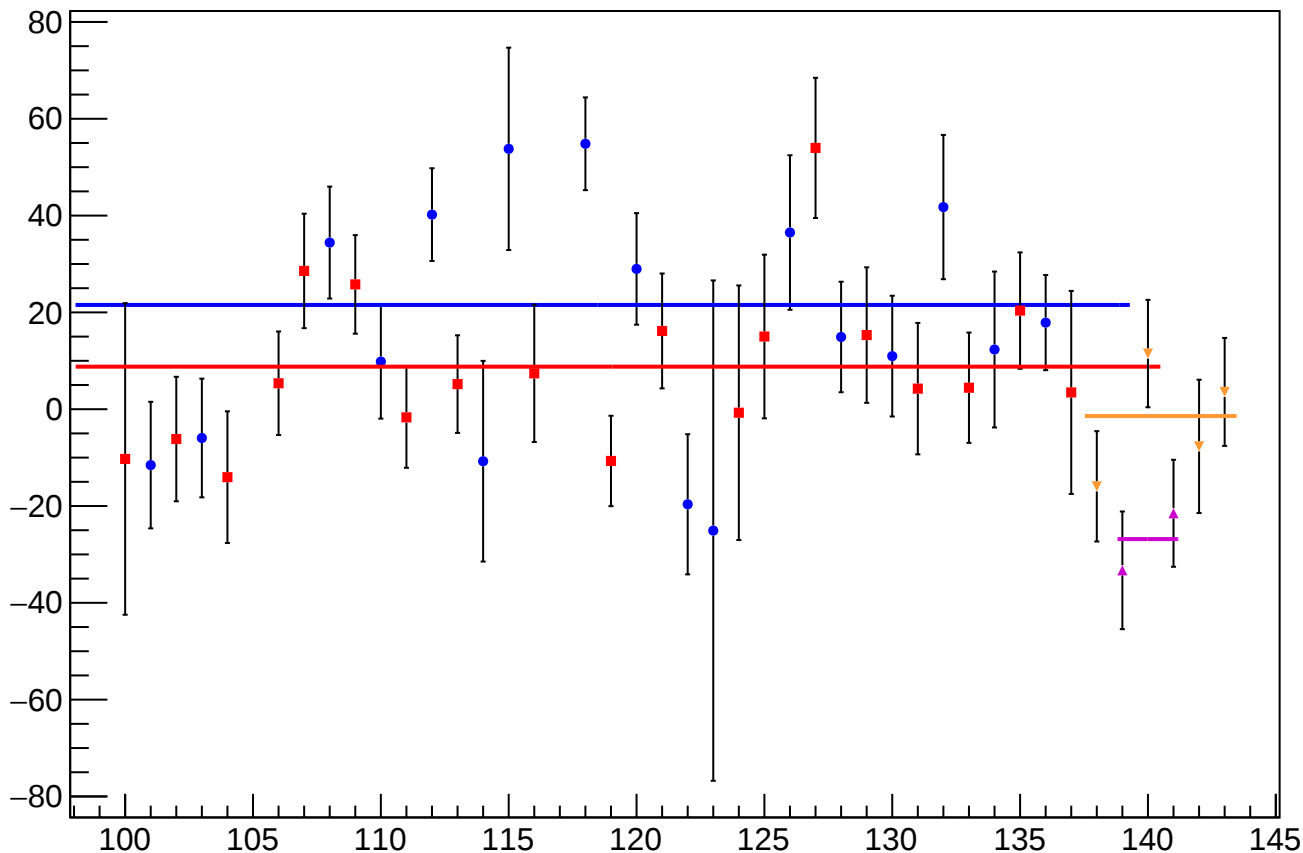
Right: 1053.431 $\pm$ 0.201 χ^2 /NDF: 173304.9/35

In: 1001.581 $\pm$ 0.248 χ^2 /NDF: 229849.7/18

Out: 969.448 $\pm$ 0.220 χ^2 /NDF: 306522.0/22

All: 983.573 $\pm$ 0.165 χ^2 /NDF: 545752.8/41

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 21.541+/-3.116 χ^2/NDF : 47.9/16

Left Out: -1.411+/-5.859 χ^2/NDF : 3.4/3

Right Out: 8.792+/-2.915 χ^2/NDF : 27.6/18

Left In: -26.834+/-8.177 χ^2/NDF : 0.5/1

Left: -10.035+/-4.763 χ^2/NDF : 10.3/5

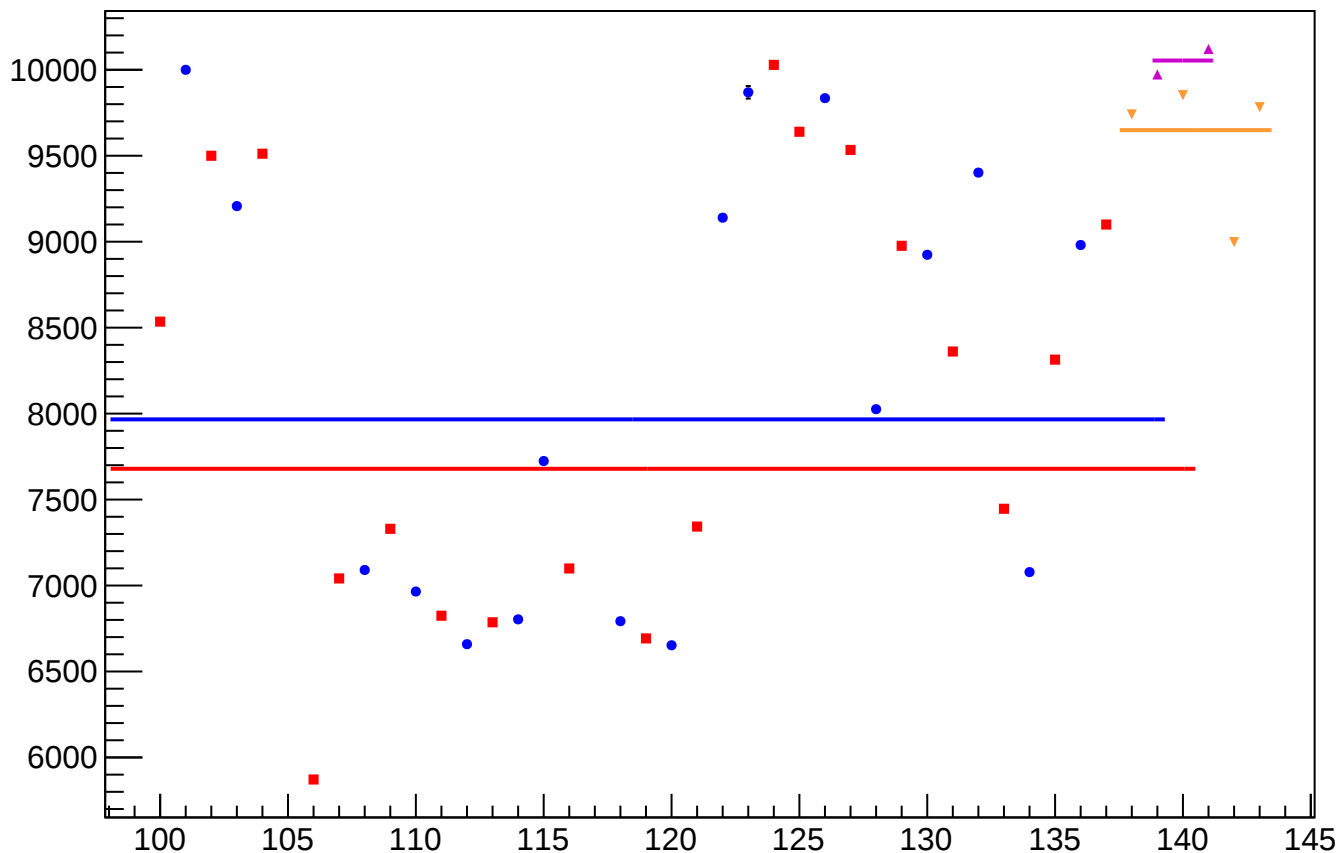
Right: 14.742+/-2.129 χ^2/NDF : 84.4/35

In: 15.408+/-2.912 χ^2/NDF : 79.0/18

Out: 6.768+/-2.610 χ^2/NDF : 33.4/22

All: 10.617+/-1.943 χ^2/NDF : 117.2/41

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7966.450+/-2.203 χ^2/NDF : 295660.2/16

Left Out: 9648.831+/-4.143 χ^2/NDF : 5562.8/3

Right Out: 7679.131+/-2.061 χ^2/NDF : 313051.7/18

Left In: 10053.832+/-5.782 χ^2/NDF : 162.2/1

Left: 9786.217+/-3.368 χ^2/NDF : 8966.6/5

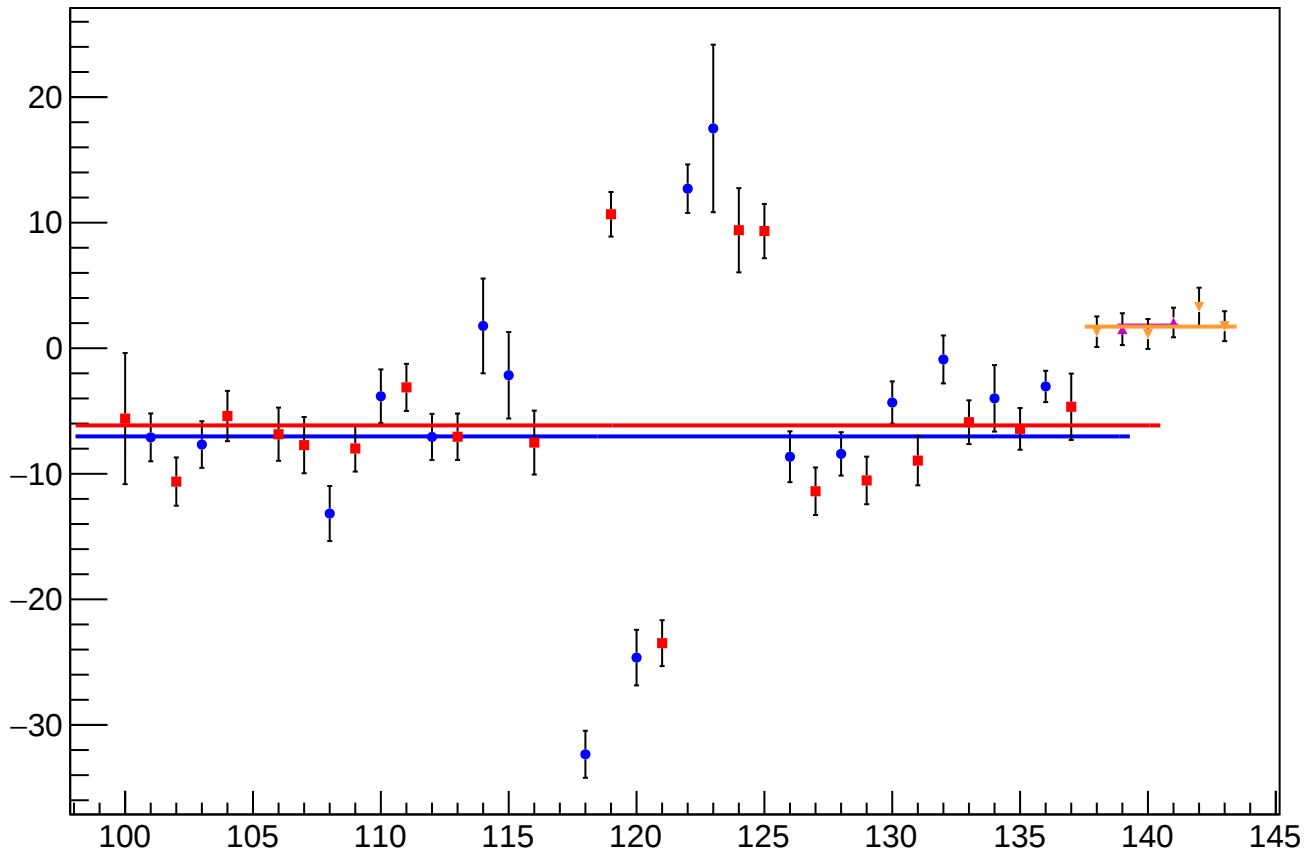
Right: 7813.225+/-1.505 χ^2/NDF : 617781.0/35

In: 8231.088+/-2.059 χ^2/NDF : 409617.7/18

Out: 8069.912+/-1.845 χ^2/NDF : 499799.4/22

All: 8141.713+/-1.374 χ^2/NDF : 912815.4/41

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.022 ± 0.487 χ^2/NDF : 407.3/16

Left Out: 1.721 ± 0.631 χ^2/NDF : 1.4/3

Right Out: -6.146 ± 0.467 χ^2/NDF : 278.4/18

Left In: 1.804 ± 0.863 χ^2/NDF : 0.1/1

Left: 1.750 ± 0.509 χ^2/NDF : 1.5/5

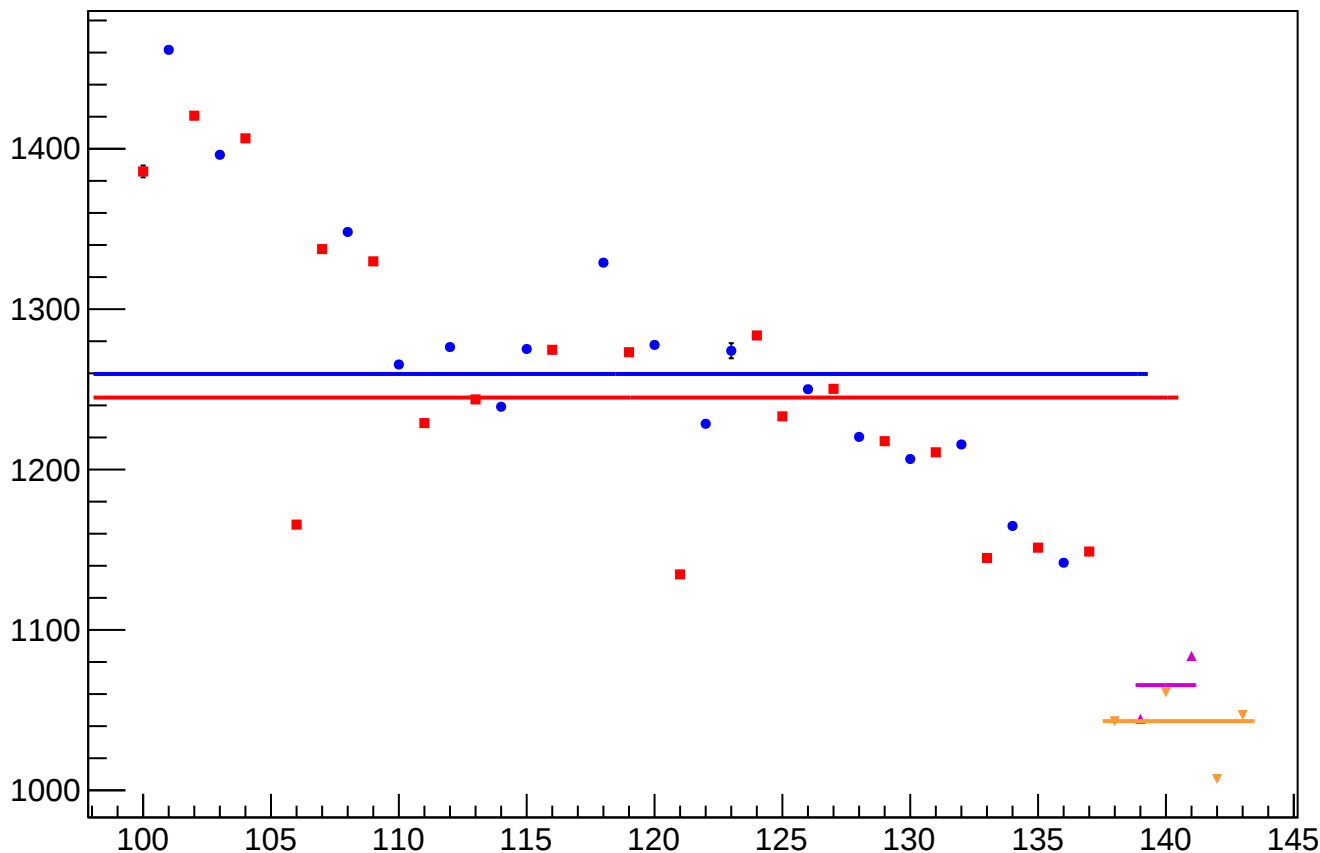
Right: -6.566 ± 0.337 χ^2/NDF : 687.3/35

In: -4.892 ± 0.424 χ^2/NDF : 486.6/18

Out: -3.359 ± 0.376 χ^2/NDF : 380.2/22

All: -4.033 ± 0.281 χ^2/NDF : 874.1/41

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1259.602 $\pm$ 0.344 χ^2 /NDF: 64816.8/16

Left Out: 1043.121 $\pm$ 0.446 χ^2 /NDF:1582.5/3

Right Out: 1244.874 $\pm$ 0.331 χ^2 /NDF: 66819.5/18

Left In: 1065.591 $\pm$ 0.611 χ^2 /NDF:1024.6/1

Left: 1050.944 $\pm$ 0.360 χ^2 /NDF: 3490.0/5

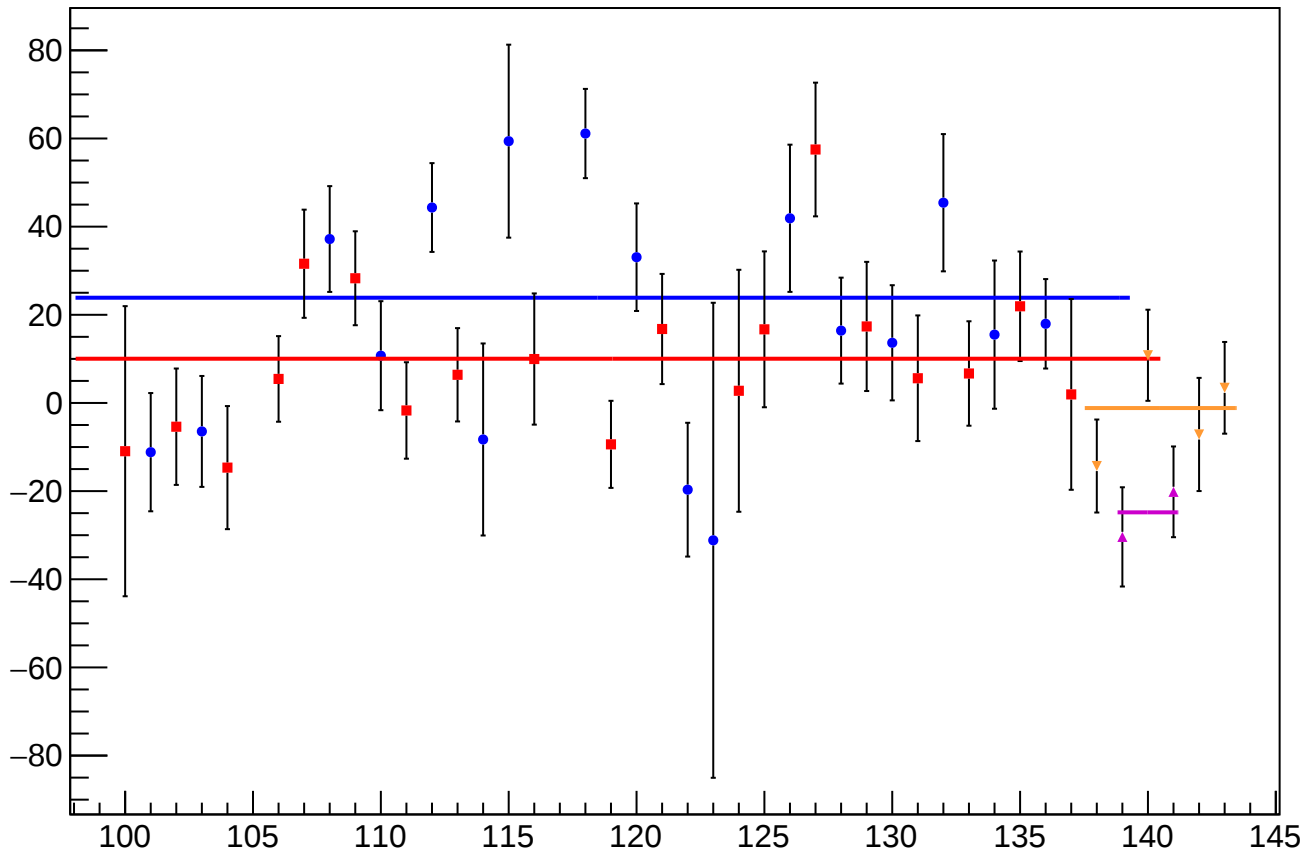
Right: 1251.936 $\pm$ 0.238 χ^2 /NDF: 132588.1/35

In: 1212.772 $\pm$ 0.300 χ^2 /NDF:142437.6/18

Out: 1173.391 $\pm$ 0.266 χ^2 /NDF:200410.3/22

All: 1190.697 $\pm$ 0.199 χ^2 /NDF: 352509.1/41

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.876+/-3.256 χ^2/NDF : 52.0/16

Left Out: -1.156+/-5.451 χ^2/NDF : 3.3/3

Right Out: 10.036+/-3.009 χ^2/NDF : 28.1/18

Left In: -24.818+/-7.597 χ^2/NDF : 0.4/1

Left: -9.198+/-4.429 χ^2/NDF : 10.2/5

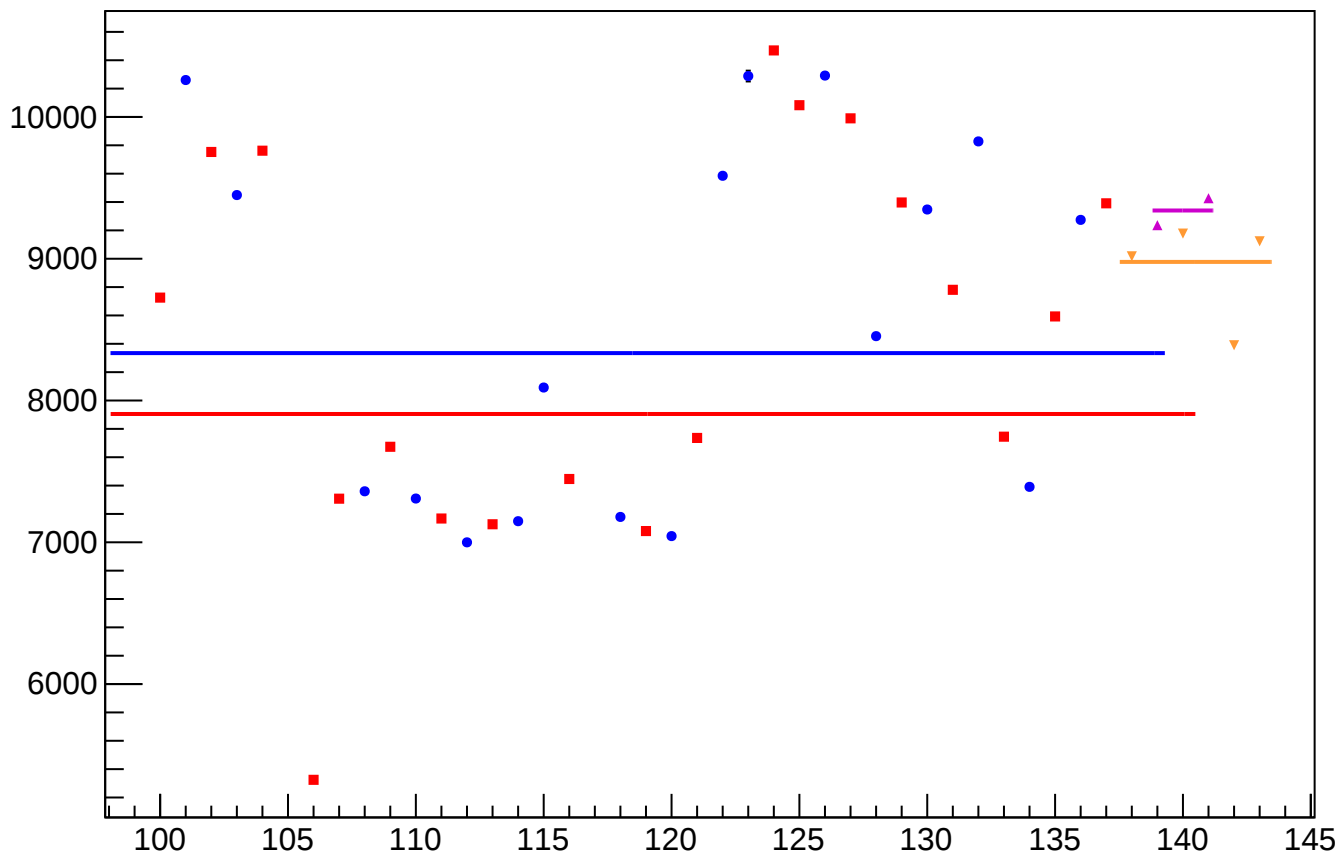
Right: 16.410+/-2.210 χ^2/NDF : 89.8/35

In: 16.319+/-2.993 χ^2/NDF : 87.1/18

Out: 7.423+/-2.634 χ^2/NDF : 34.6/22

All: 11.305+/-1.977 χ^2/NDF : 126.7/41

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 8334.433 $\pm$ 2.303 χ^2/NDF : 271366.4/16

Left Out: 8977.661 $\pm$ 3.854 χ^2/NDF : 5358.2/3

Right Out: 7904.987 $\pm$ 2.127 χ^2/NDF : 388597.2/18

Left In: 9340.289 $\pm$ 5.372 χ^2/NDF : 310.4/1

Left: 9100.902 $\pm$ 3.132 χ^2/NDF : 8676.7/5

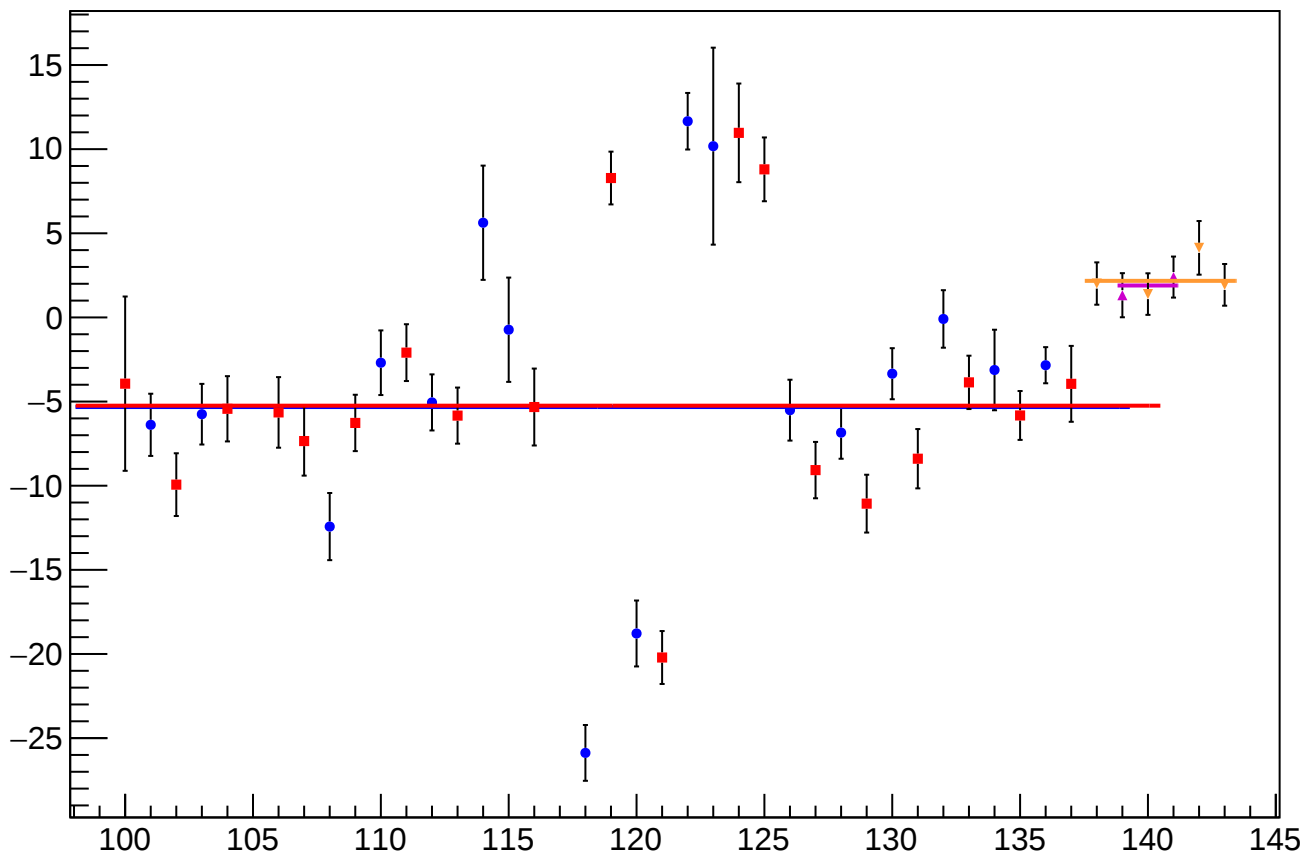
Right: 8102.760 $\pm$ 1.563 χ^2/NDF : 678729.4/35

In: 8490.544 $\pm$ 2.116 χ^2/NDF : 301294.6/18

Out: 8155.459 $\pm$ 1.863 χ^2/NDF : 453318.7/22

All: 8301.716 $\pm$ 1.398 χ^2/NDF : 768740.4/41

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.325 $\pm$ 0.438 χ^2/NDF : 355.9/16

Left Out: 2.174 $\pm$ 0.655 χ^2/NDF : 2.0/3

Right Out: -5.245 $\pm$ 0.422 χ^2/NDF : 283.1/18

Left In: 1.898 $\pm$ 0.893 χ^2/NDF : 0.4/1

Left: 2.077 $\pm$ 0.528 χ^2/NDF : 2.4/5

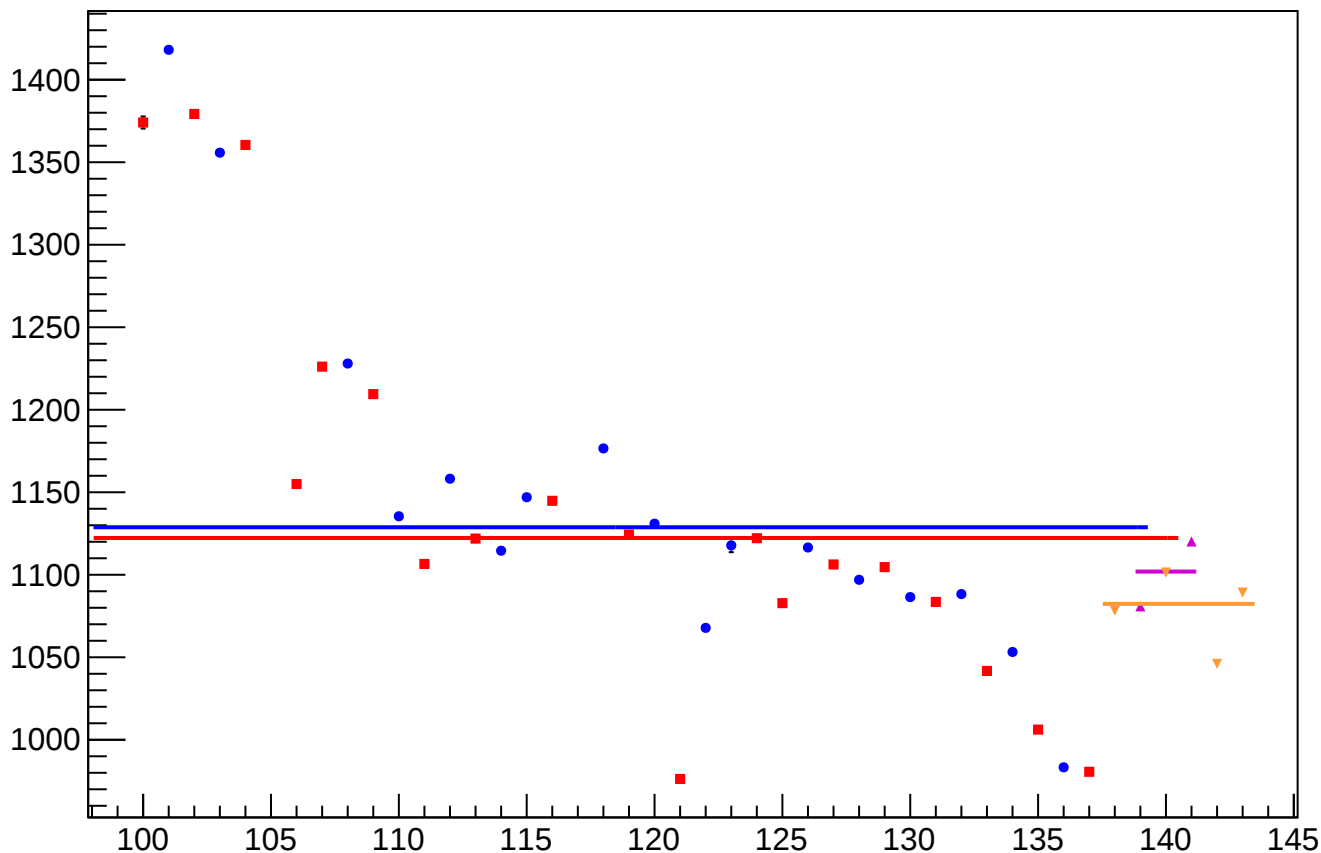
Right: -5.283 $\pm$ 0.304 χ^2/NDF : 639.0/35

In: -3.925 $\pm$ 0.393 χ^2/NDF : 409.0/18

Out: -3.065 $\pm$ 0.355 χ^2/NDF : 375.7/22

All: -3.451 $\pm$ 0.263 χ^2/NDF : 787.3/41

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1128.798 $\pm$ 0.309 χ^2 /NDF: 133077.7/16

Left Out: 1082.369 $\pm$ 0.463 χ^2 /NDF:1595.8/3

Right Out: 1122.305 $\pm$ 0.299 χ^2 /NDF: 129605.6/18

Left In: 1101.944 $\pm$ 0.631 χ^2 /NDF:965.4/1

Left: 1089.214 $\pm$ 0.373 χ^2 /NDF: 3186.4/5

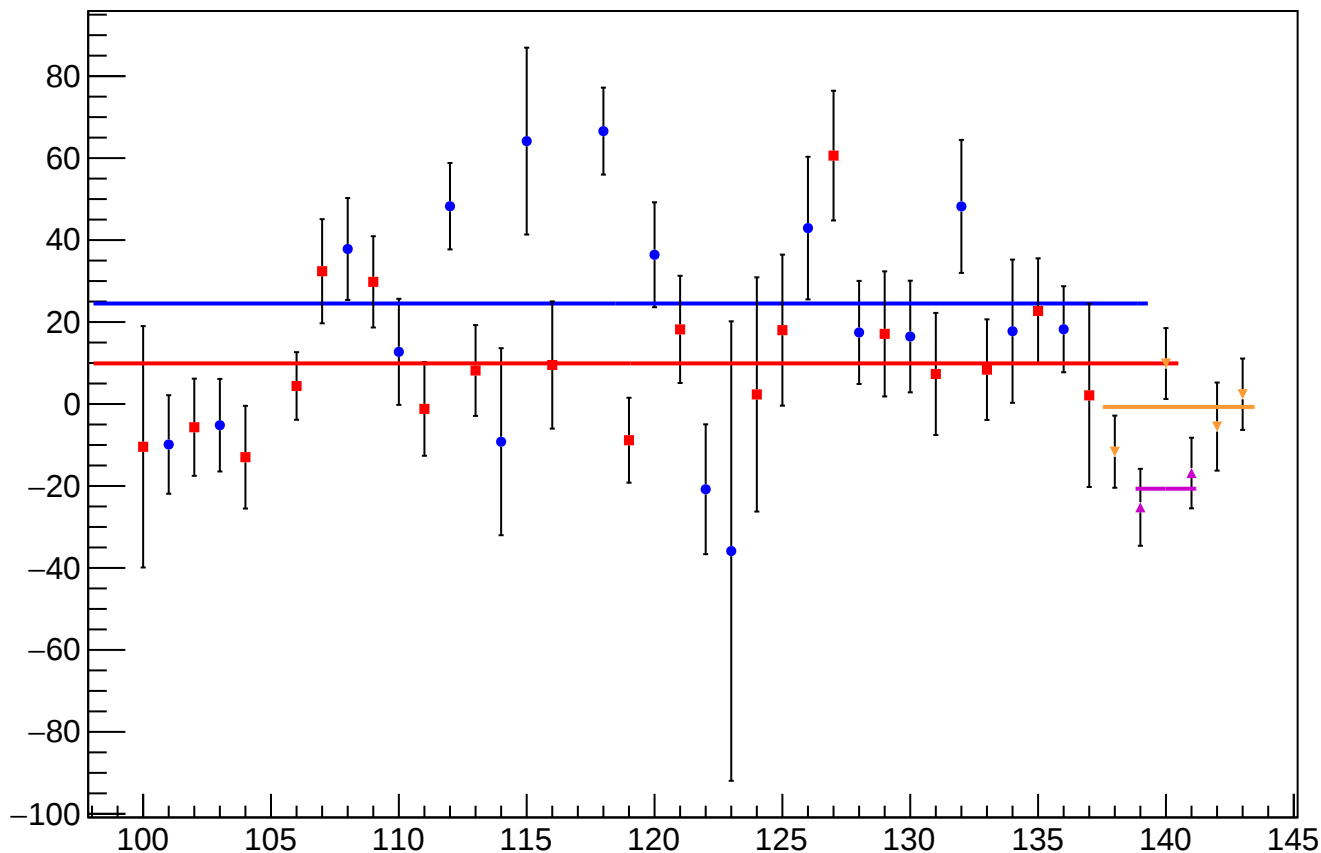
Right: 1125.436 $\pm$ 0.215 χ^2 /NDF: 262911.2/35

In: 1123.596 $\pm$ 0.278 χ^2 /NDF:135501.9/18

Out: 1110.568 $\pm$ 0.251 χ^2 /NDF:136455.9/22

All: 1116.421 $\pm$ 0.186 χ^2 /NDF: 273168.4/41

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 24.527 $\pm$ 3.324 χ^2/NDF : 57.7/16

Left Out: -0.711 $\pm$ 4.557 χ^2/NDF : 3.4/3

Right Out: 9.911 $\pm$ 3.010 χ^2/NDF : 28.9/18

Left In: -20.667 $\pm$ 6.348 χ^2/NDF : 0.4/1

Left: -7.499 $\pm$ 3.702 χ^2/NDF : 10.3/5

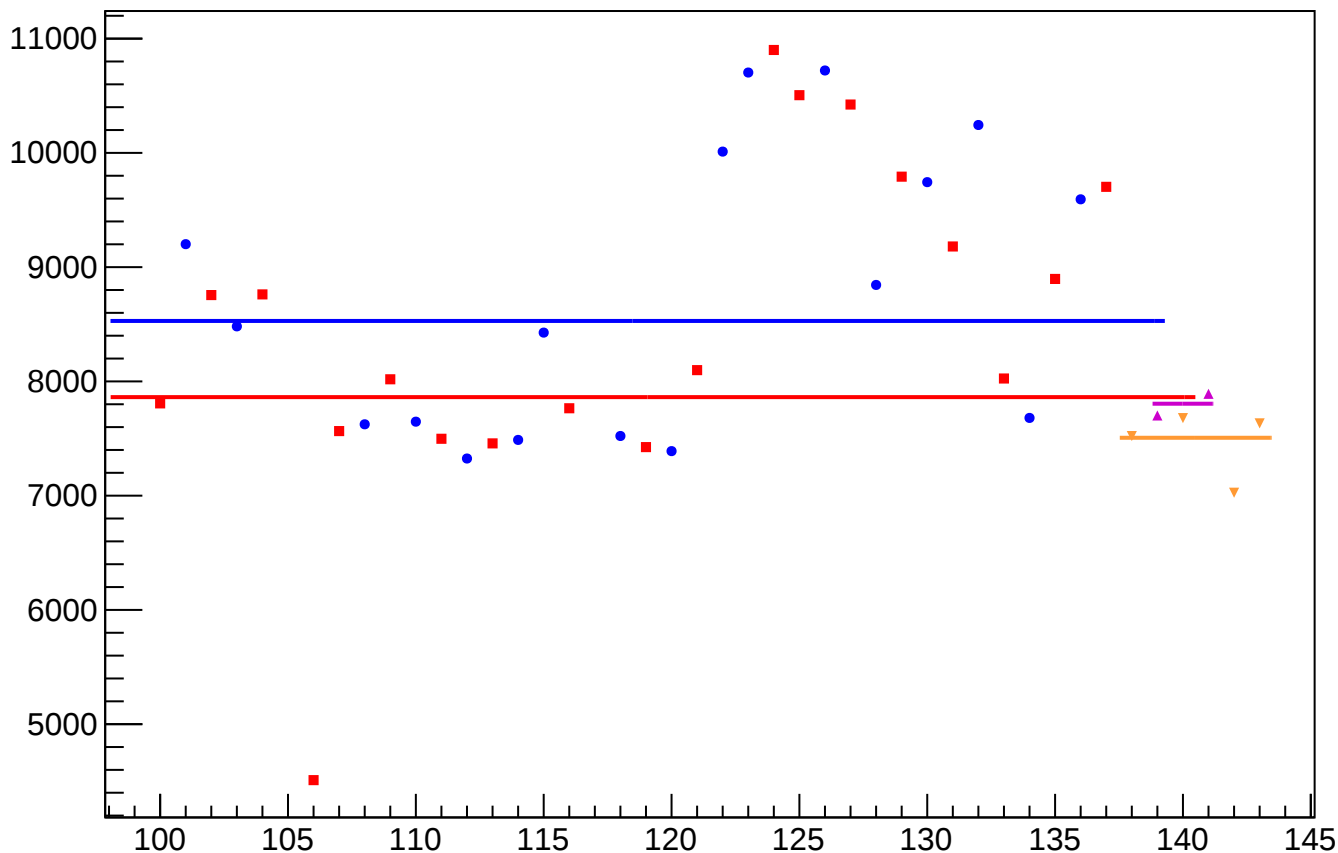
Right: 16.498 $\pm$ 2.231 χ^2/NDF : 97.2/35

In: 14.802 $\pm$ 2.945 χ^2/NDF : 97.9/18

Out: 6.684 $\pm$ 2.512 χ^2/NDF : 36.0/22

All: 10.103 $\pm$ 1.911 χ^2/NDF : 138.3/41

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8529.154 +/- 2.350 χ^2/NDF : 207392.9/16

Left Out: 7506.675 +/- 3.223 χ^2/NDF : 5221.2/3

Right Out: 7862.444 +/- 2.129 χ^2/NDF : 552825.5/18

Left In: 7804.722 +/- 4.489 χ^2/NDF : 442.9/1

Left: 7608.048 +/- 2.618 χ^2/NDF : 8573.4/5

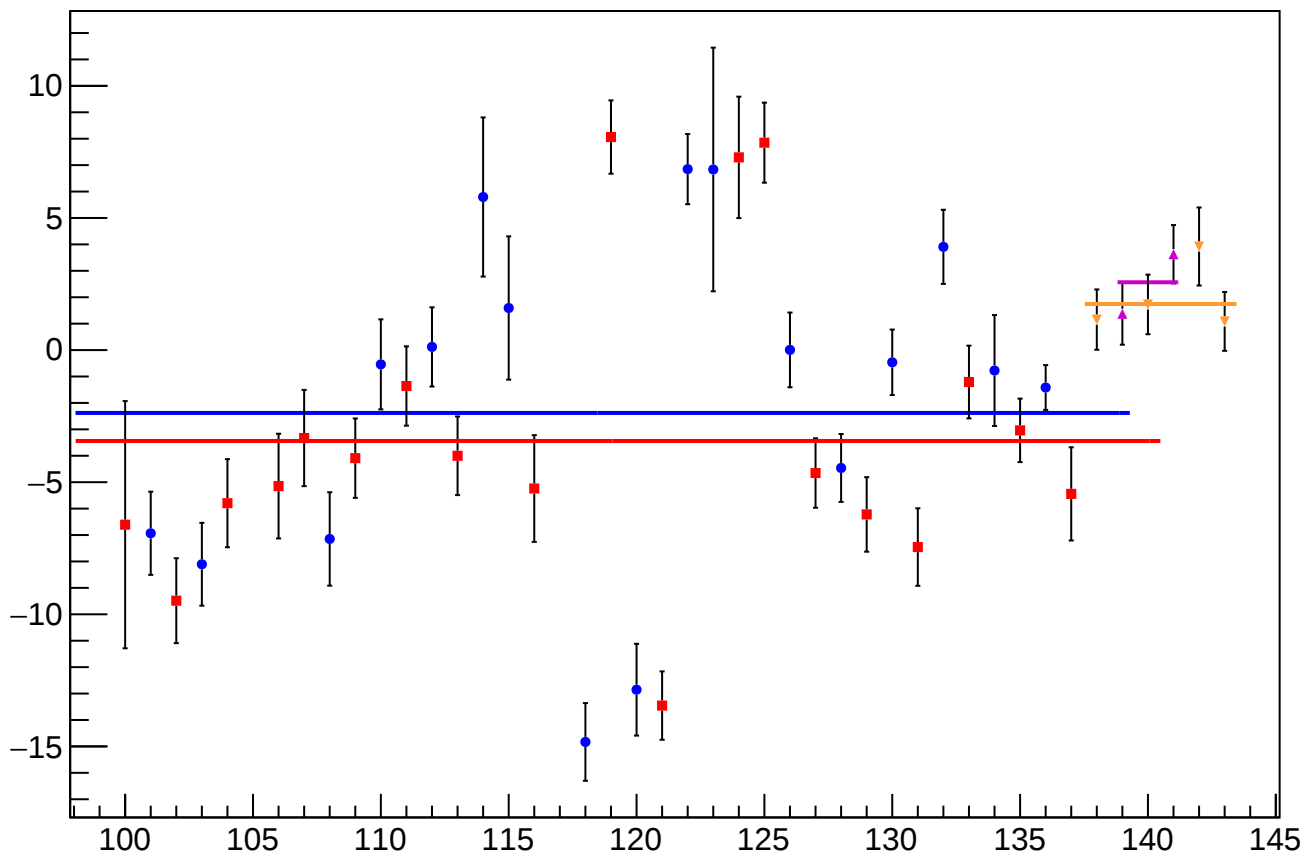
Right: 8162.886 +/- 1.578 χ^2/NDF : 804422.1/35

In: 8373.270 +/- 2.082 χ^2/NDF : 228277.8/18

Out: 7754.367 +/- 1.776 χ^2/NDF : 566531.9/22

All: 8015.040 +/- 1.351 χ^2/NDF : 845947.0/41

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.379 ± 0.366 χ^2/NDF : 232.6/16

Left Out: 1.744 ± 0.596 χ^2/NDF : 2.8/3

Right Out: -3.439 ± 0.359 χ^2/NDF : 242.7/18

Left In: 2.566 ± 0.803 χ^2/NDF : 2.0/1

Left: 2.036 ± 0.478 χ^2/NDF : 5.4/5

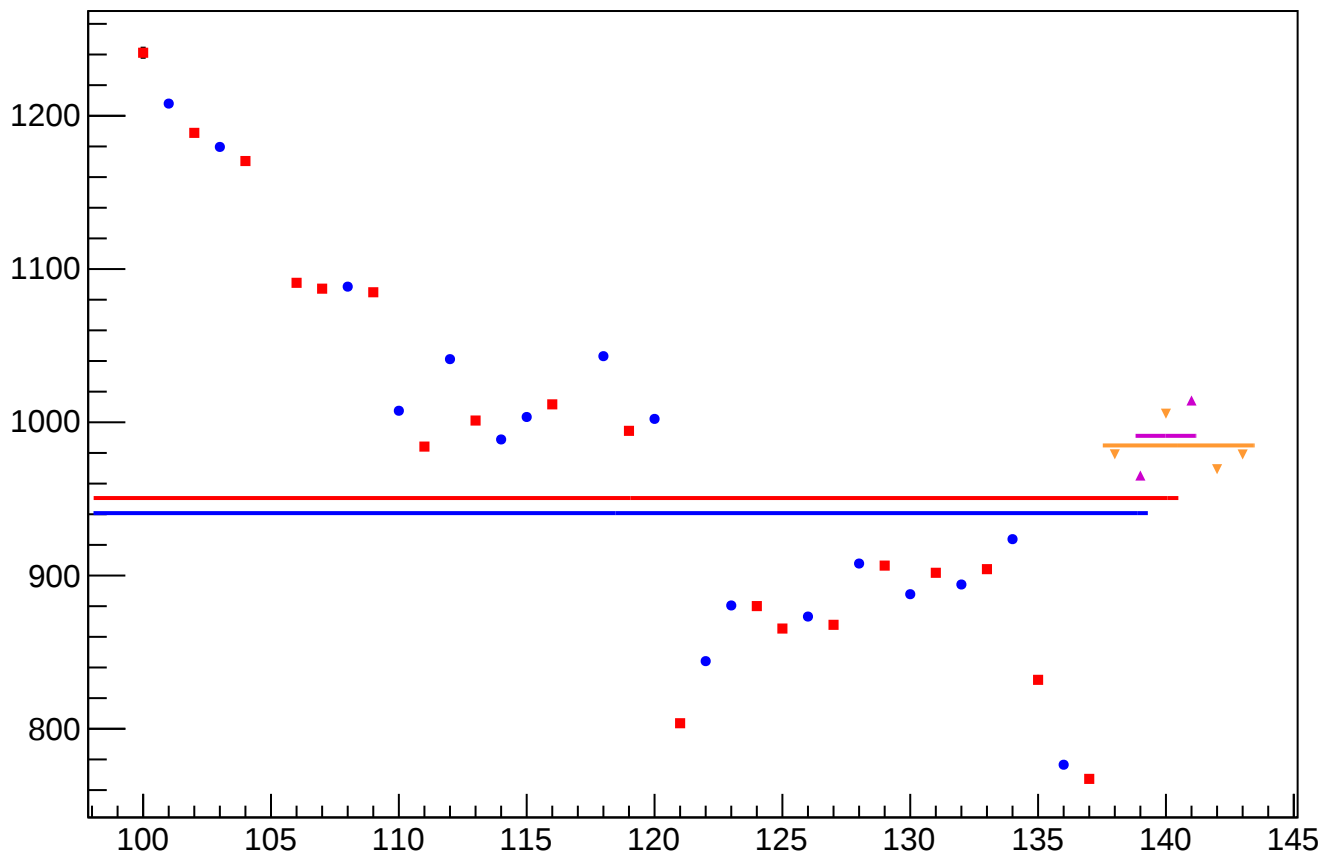
Right: -2.920 ± 0.256 χ^2/NDF : 479.5/35

In: -1.527 ± 0.333 χ^2/NDF : 266.0/18

Out: -2.058 ± 0.307 χ^2/NDF : 301.0/22

All: -1.814 ± 0.226 χ^2/NDF : 568.4/41

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 940.732 $\pm$ 0.259 χ^2 /NDF: 241704.7/16

Left Out: 984.898 $\pm$ 0.421 χ^2 /NDF:1003.7/3

Right Out: 950.573 $\pm$ 0.254 χ^2 /NDF: 220343.0/18

Left In: 991.168 $\pm$ 0.568 χ^2 /NDF:1854.4/1

Left: 987.124 $\pm$ 0.338 χ^2 /NDF: 2936.8/5

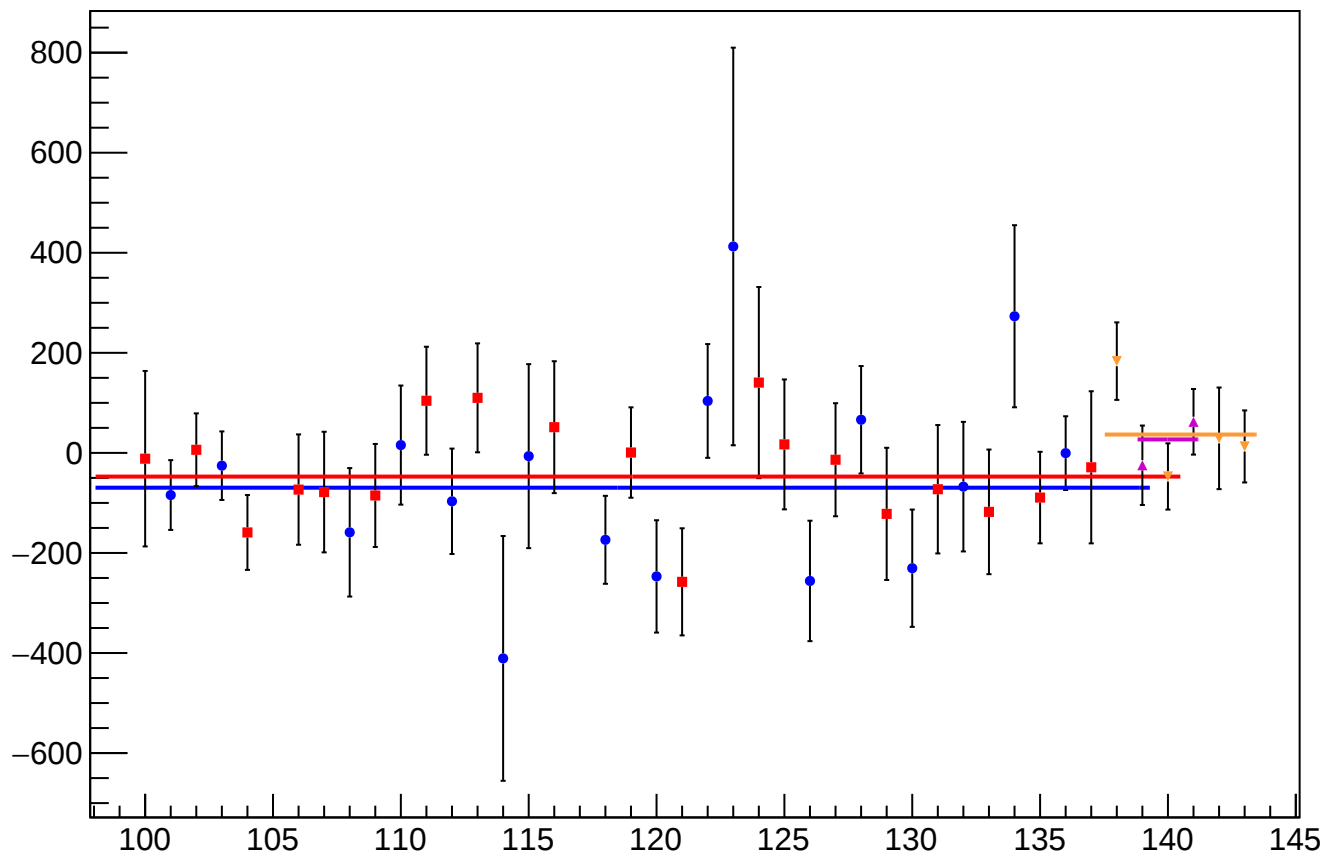
Right: 945.752 $\pm$ 0.181 χ^2 /NDF: 462784.3/35

In: 949.420 $\pm$ 0.236 χ^2 /NDF:250093.4/18

Out: 959.717 $\pm$ 0.217 χ^2 /NDF:226220.5/22

All: 954.983 $\pm$ 0.160 χ^2 /NDF: 477345.7/41

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -69.559 ± 25.981 χ^2/NDF : 21.6/16

Left Out: 36.707 ± 38.219 χ^2/NDF : 5.3/3

Right Out: -47.342 ± 25.054 χ^2/NDF : 14.0/18

Left In: 26.912 ± 50.543 χ^2/NDF : 0.7/1

Left: 33.144 ± 30.485 χ^2/NDF : 6.0/5

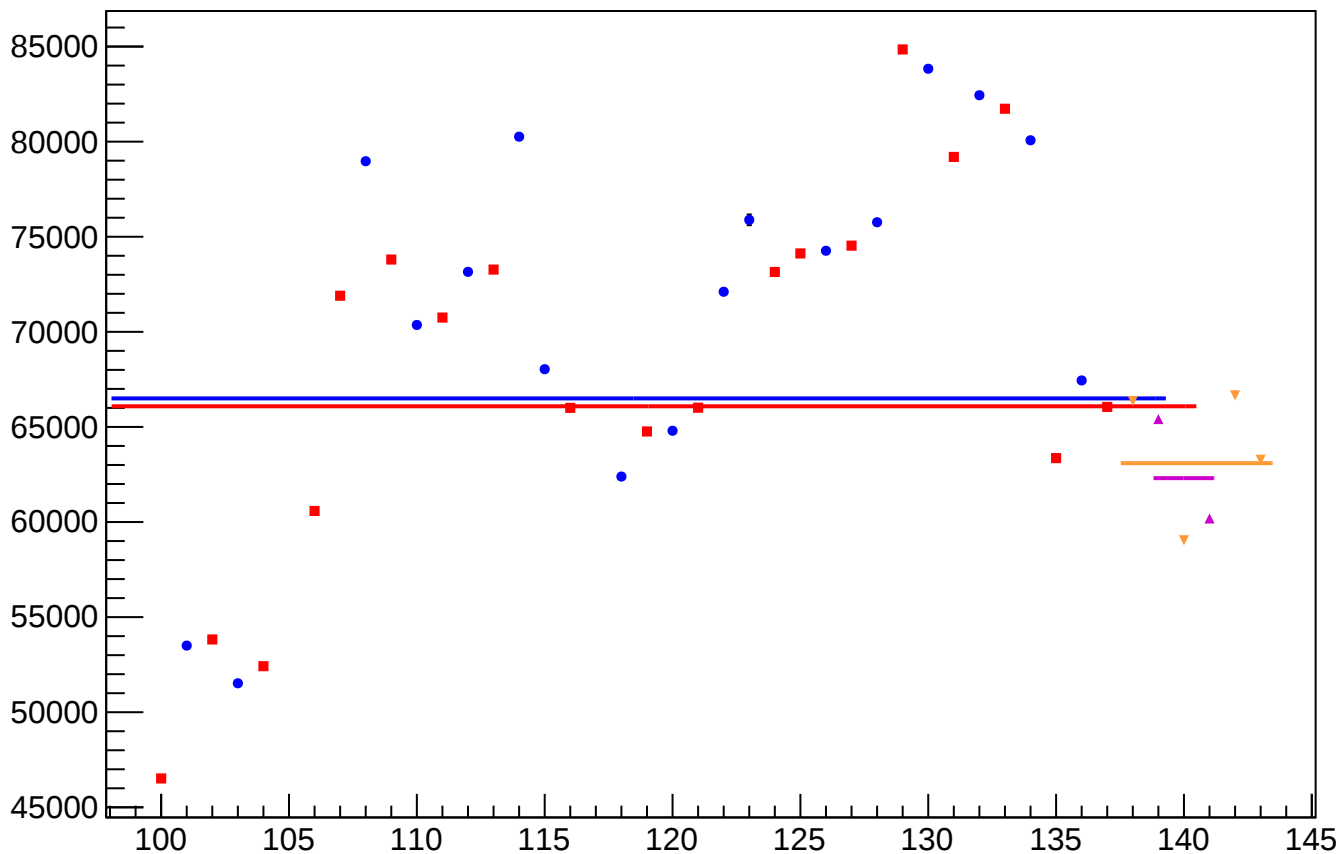
Right: -58.047 ± 18.035 χ^2/NDF : 36.0/35

In: -49.396 ± 23.107 χ^2/NDF : 25.2/18

Out: -22.080 ± 20.953 χ^2/NDF : 22.7/22

All: -34.406 ± 15.522 χ^2/NDF : 48.7/41

diff_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 66500.038+/-18.371 χ^2/NDF : 320048.0/16

Left Out: 63094.993+/-27.025 χ^2/NDF : 13538.3/3

Right Out: 66086.098+/-17.716 χ^2/NDF : 298277.2/18

Left In: 62307.330+/-35.740 χ^2/NDF : 5160.6/1

Left: 62808.459+/-21.556 χ^2/NDF : 19007.9/5

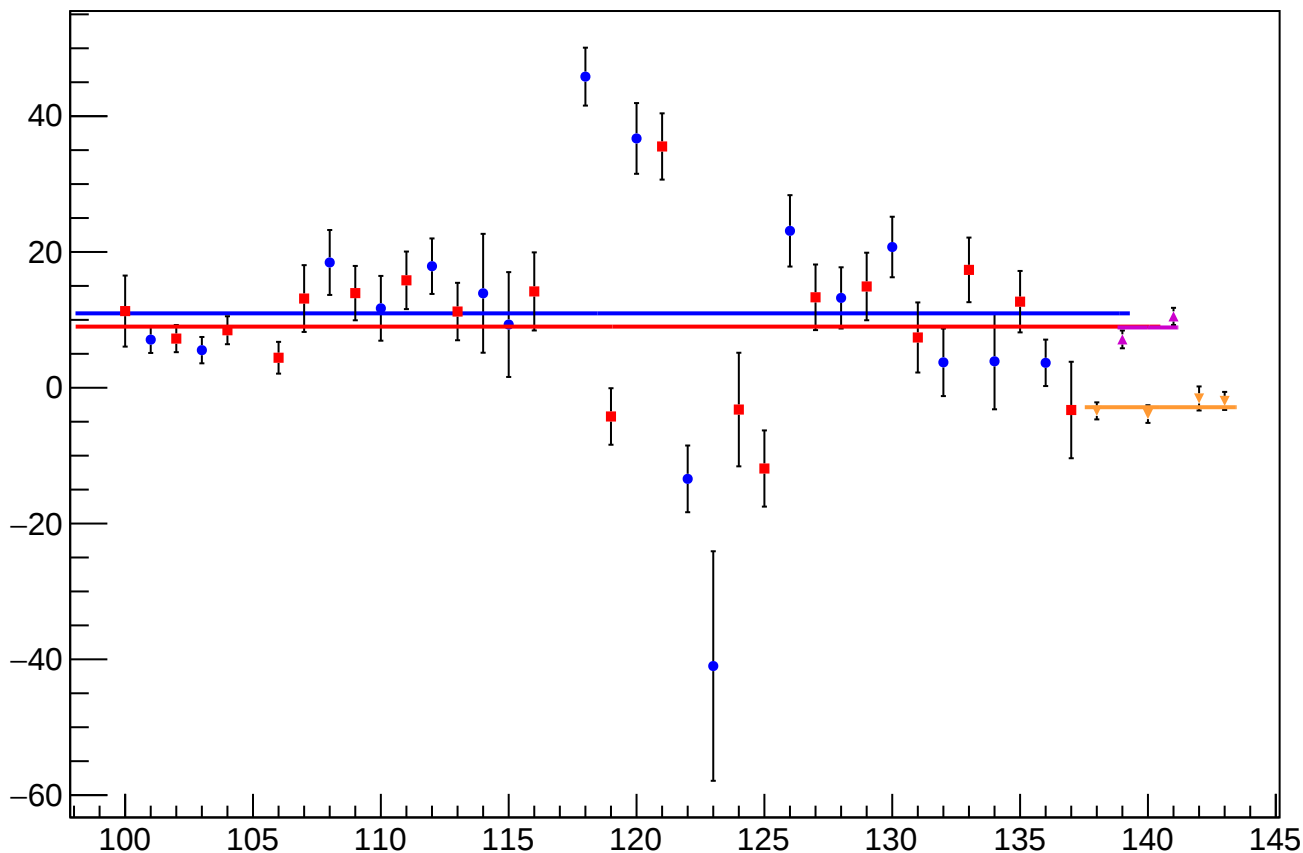
Right: 66285.552+/-12.752 χ^2/NDF : 618588.3/35

In: 65623.748+/-16.339 χ^2/NDF : 336094.5/18

Out: 65187.068+/-14.816 χ^2/NDF : 320383.5/22

All: 65384.113+/-10.976 χ^2/NDF : 656870.0/4

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.959+/-0.944 χ^2/NDF : 160.6/16

Left Out: -2.865+/-0.688 χ^2/NDF : 1.8/3

Right Out: 9.006+/-0.867 χ^2/NDF : 75.5/18

Left In: 8.881+/-0.908 χ^2/NDF : 3.5/1

Left: 1.417+/-0.549 χ^2/NDF : 111.5/5

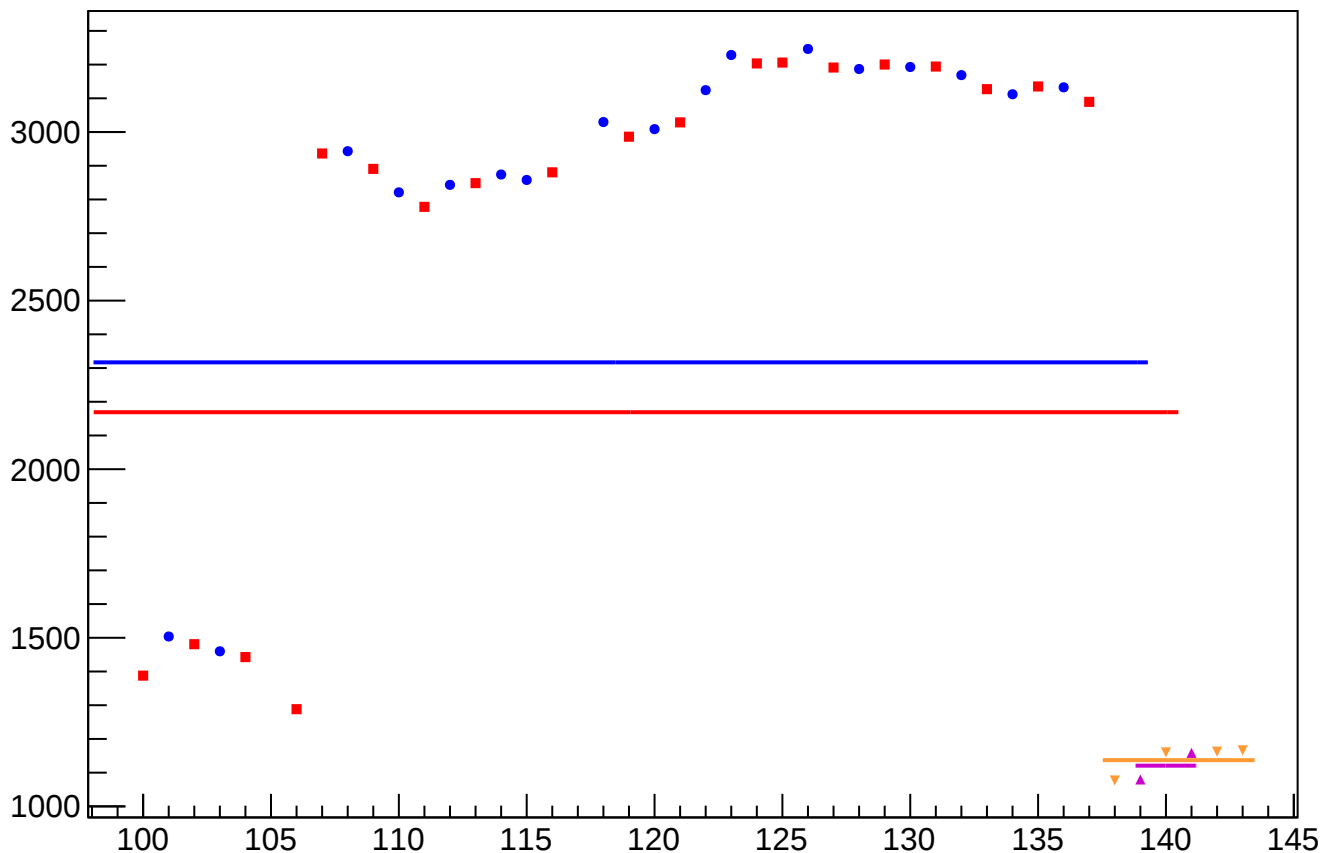
Right: 9.899+/-0.639 χ^2/NDF : 238.4/35

In: 9.880+/-0.655 χ^2/NDF : 166.6/18

Out: 1.722+/-0.539 χ^2/NDF : 192.3/22

All: 5.018+/-0.416 χ^2/NDF : 451.4/41

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2316.901+/-0.668 χ^2/NDF : 1405097.4/16

Left Out: 1137.035+/-0.487 χ^2/NDF : 6606.2/3

Right Out: 2169.038+/-0.613 χ^2/NDF : 1749119.2/18

Left In: 1120.761+/-0.642 χ^2/NDF : 3766.1/1

Left: 1131.101+/-0.388 χ^2/NDF : 10780.1/5

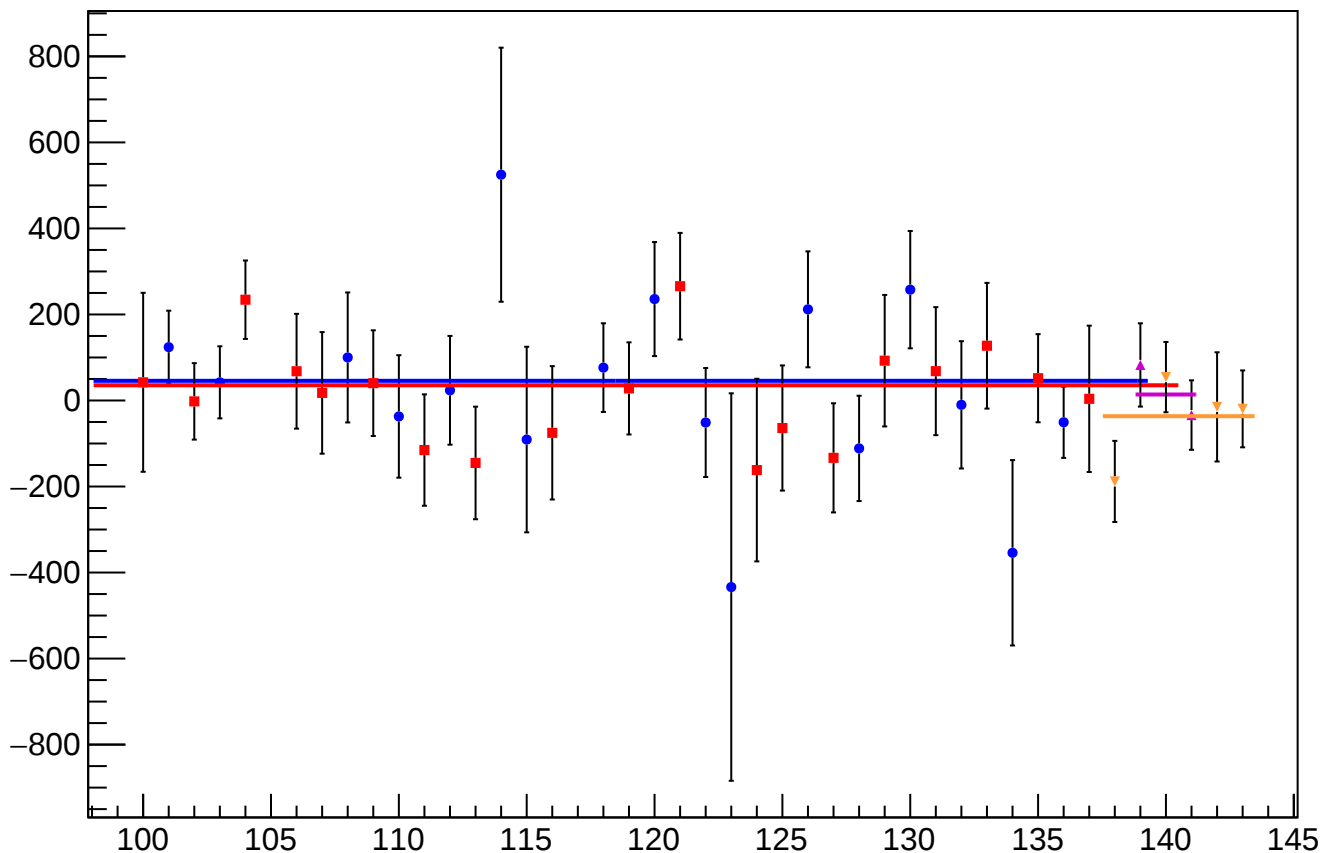
Right: 2236.688+/-0.452 χ^2/NDF : 3180824.5/35

In: 1695.755+/-0.463 χ^2/NDF : 3075640.8/18

Out: 1535.832+/-0.381 χ^2/NDF : 3493945.9/22

All: 1600.448+/-0.294 χ^2/NDF : 6640718.3/41

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 45.747+/-30.474 χ^2/NDF : 18.8/16

Left Out: -36.478+/-47.177 χ^2/NDF : 3.9/3

Right Out: 35.391+/-29.480 χ^2/NDF : 16.0/18

Left In: 13.921+/-62.016 χ^2/NDF : 0.9/1

Left: -18.003+/-37.547 χ^2/NDF : 5.2/5

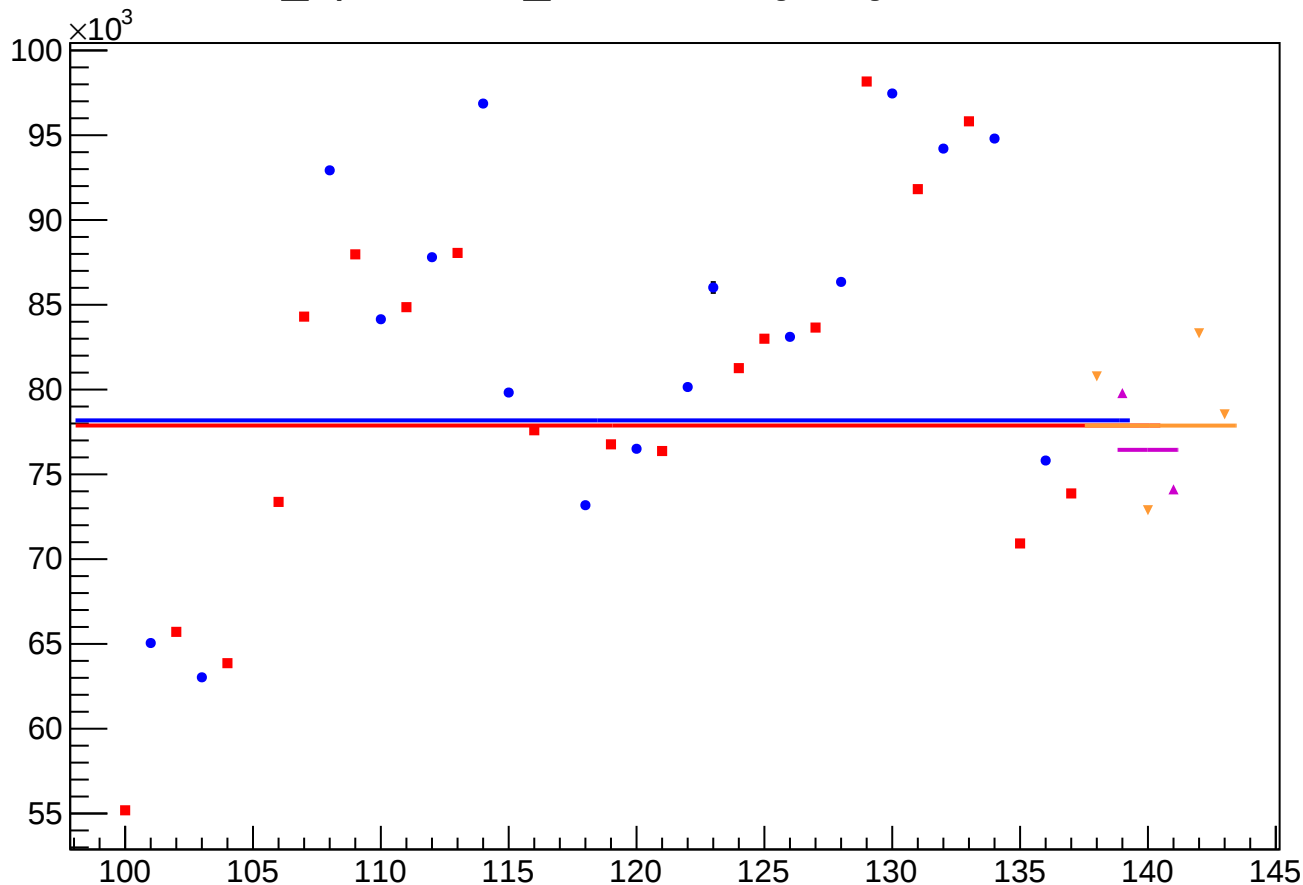
Right: 40.397+/-21.188 χ^2/NDF : 34.8/35

In: 39.557+/-27.350 χ^2/NDF : 19.8/18

Out: 15.208+/-25.000 χ^2/NDF : 21.5/22

All: 26.292+/-18.453 χ^2/NDF : 41.8/41

diff_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 78183.588 $\pm$ 21.548 χ^2/NDF : 250278.3/16

Left Out: 77875.795 $\pm$ 33.359 χ^2/NDF :13134.6/3

Right Out: 77880.644 $\pm$ 20.846 χ^2/NDF : 247268.7/18

Left In: 76445.801 $\pm$ 43.852 χ^2/NDF :4056.2/1

Left: 77351.602 $\pm$ 26.550 χ^2/NDF : 17864.4/5

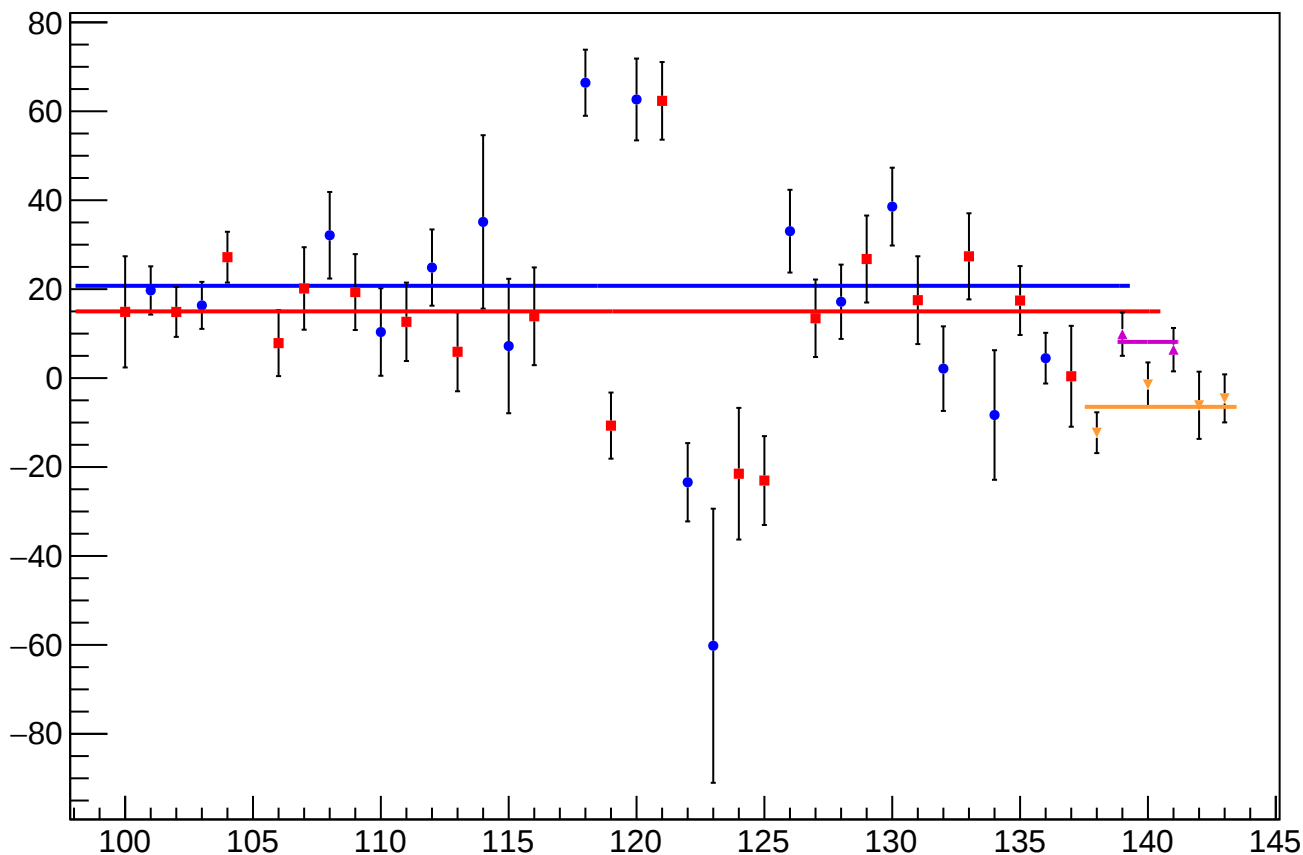
Right: 78027.099 $\pm$ 14.982 χ^2/NDF : 497649.1/35

In: 77845.595 $\pm$ 19.339 χ^2/NDF :255599.5/18

Out: 77879.283 $\pm$ 17.678 χ^2/NDF :260403.4/22

All: 77863.948 $\pm$ 13.048 χ^2/NDF : 516004.5/4

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Left: -0.982 ± 2.112 $\chi^2/\text{NDF}: 14.2/5$

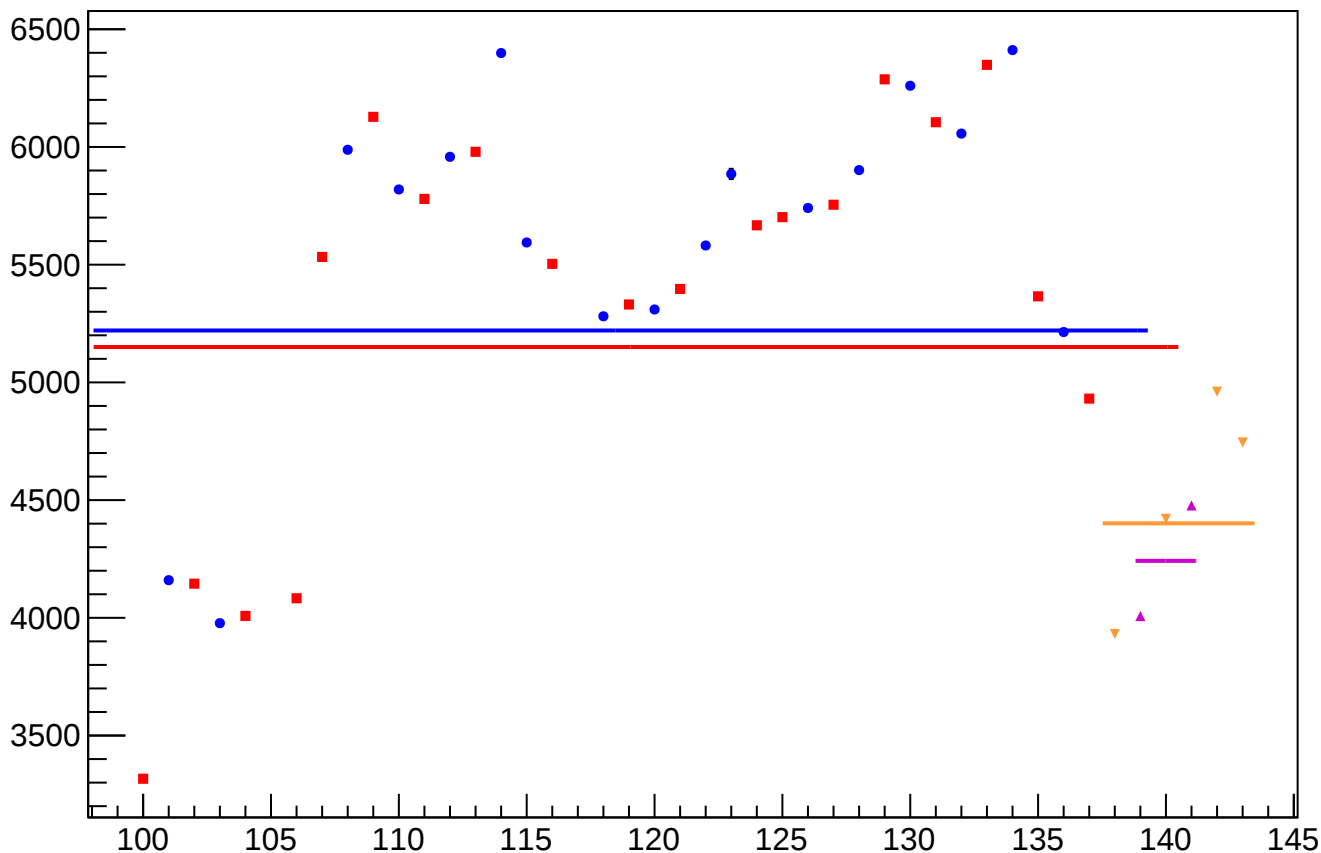
Right: 17.763 ± 1.412 $\chi^2/\text{NDF}: 195.5/35$

In: 17.486 ± 1.755 $\chi^2/\text{NDF}: 127.5/18$

Out: 7.509 ± 1.579 $\chi^2/\text{NDF}: 118.8/22$

All: 11.974 ± 1.174 $\chi^2/\text{NDF}: 264.2/41$

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 5220.495 $\pm$ 1.441 χ^2 /NDF: 311533.7/16

Left Out: 4401.401 $\pm$ 1.890 χ^2 /NDF: 40061.4/3

Right Out: 5150.309 $\pm$ 1.384 χ^2 /NDF: 387575.3/18

Left In: 4242.020 $\pm$ 2.437 χ^2 /NDF: 9291.6/1

Left: 4341.547 $\pm$ 1.494 χ^2 /NDF: 52023.2/5

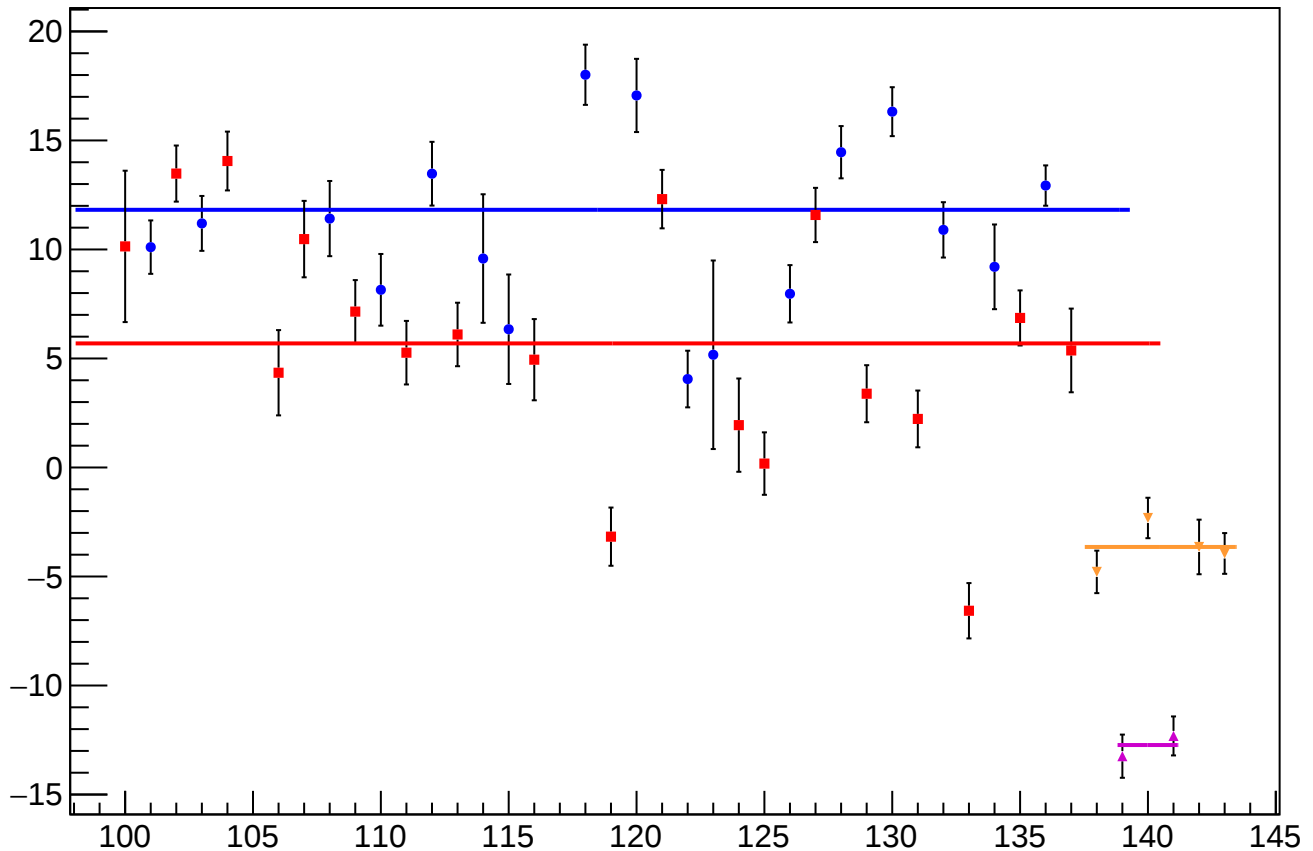
Right: 5183.979 $\pm$ 0.998 χ^2 /NDF: 700342.4/35

In: 4966.944 $\pm$ 1.241 χ^2 /NDF: 440223.2/18

Out: 4888.884 $\pm$ 1.117 χ^2 /NDF: 529821.0/22

All: 4923.820 $\pm$ 0.830 χ^2 /NDF: 972231.0/41

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 11.819+/-0.345 χ^2/NDF : 115.1/16

Left Out: -3.645+/-0.500 χ^2/NDF : 3.5/3

Right Out: 5.691+/-0.339 χ^2/NDF : 299.2/18

Left In: -12.730+/-0.664 χ^2/NDF : 0.5/1

Left: -6.934+/-0.399 χ^2/NDF : 123.5/5

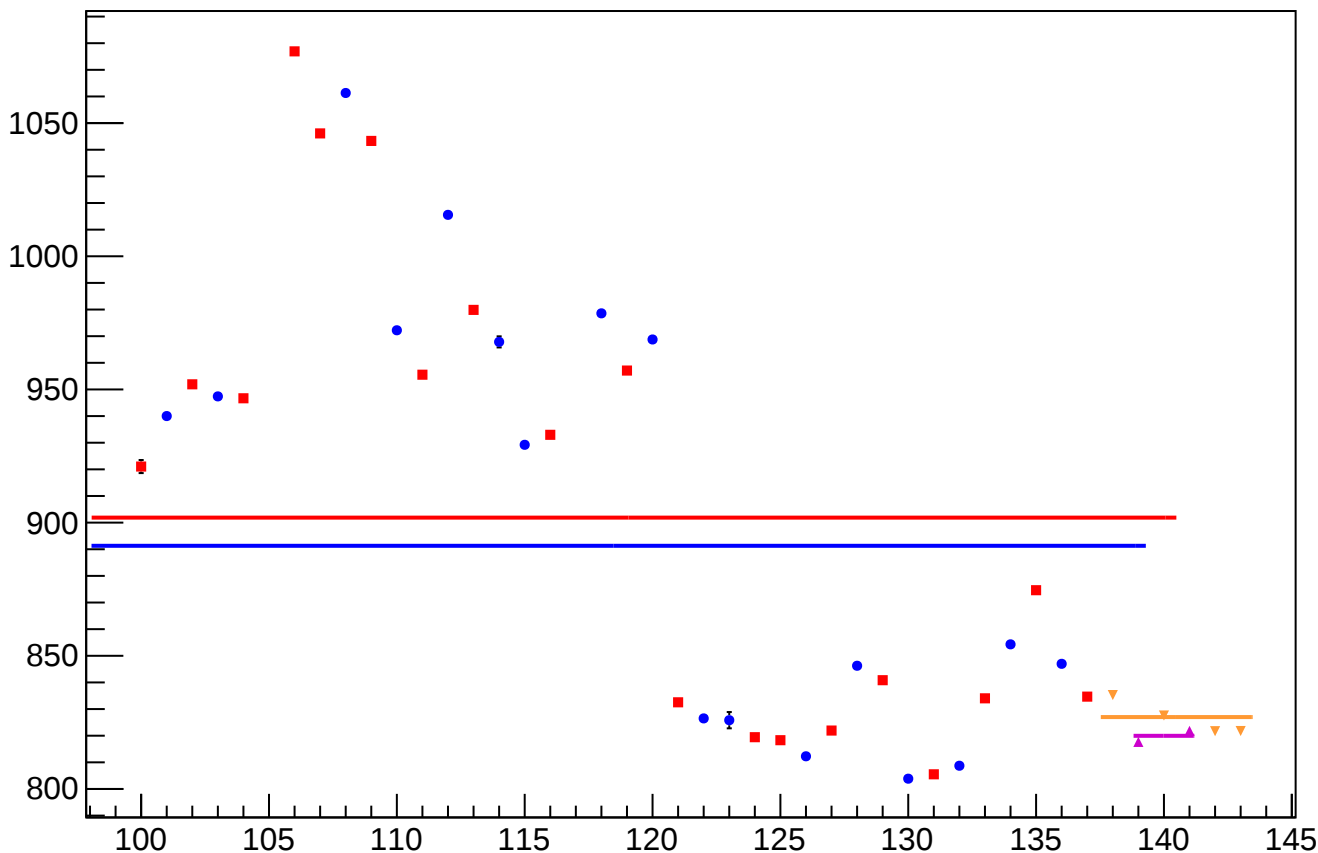
Right: 8.701+/-0.242 χ^2/NDF : 574.6/35

In: 6.594+/-0.306 χ^2/NDF : 1192.1/18

Out: 2.750+/-0.281 χ^2/NDF : 541.4/22

All: 4.505+/-0.207 χ^2/NDF : 1819.1/41

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 891.299+/-0.244 χ^2/NDF : 101327.8/16

Left Out: 826.994+/-0.354 χ^2/NDF :243.2/3

Right Out: 901.879+/-0.240 χ^2/NDF : 114242.3/18

Left In: 819.956+/-0.469 χ^2/NDF :19.2/1

Left: 824.446+/-0.282 χ^2/NDF : 405.9/5

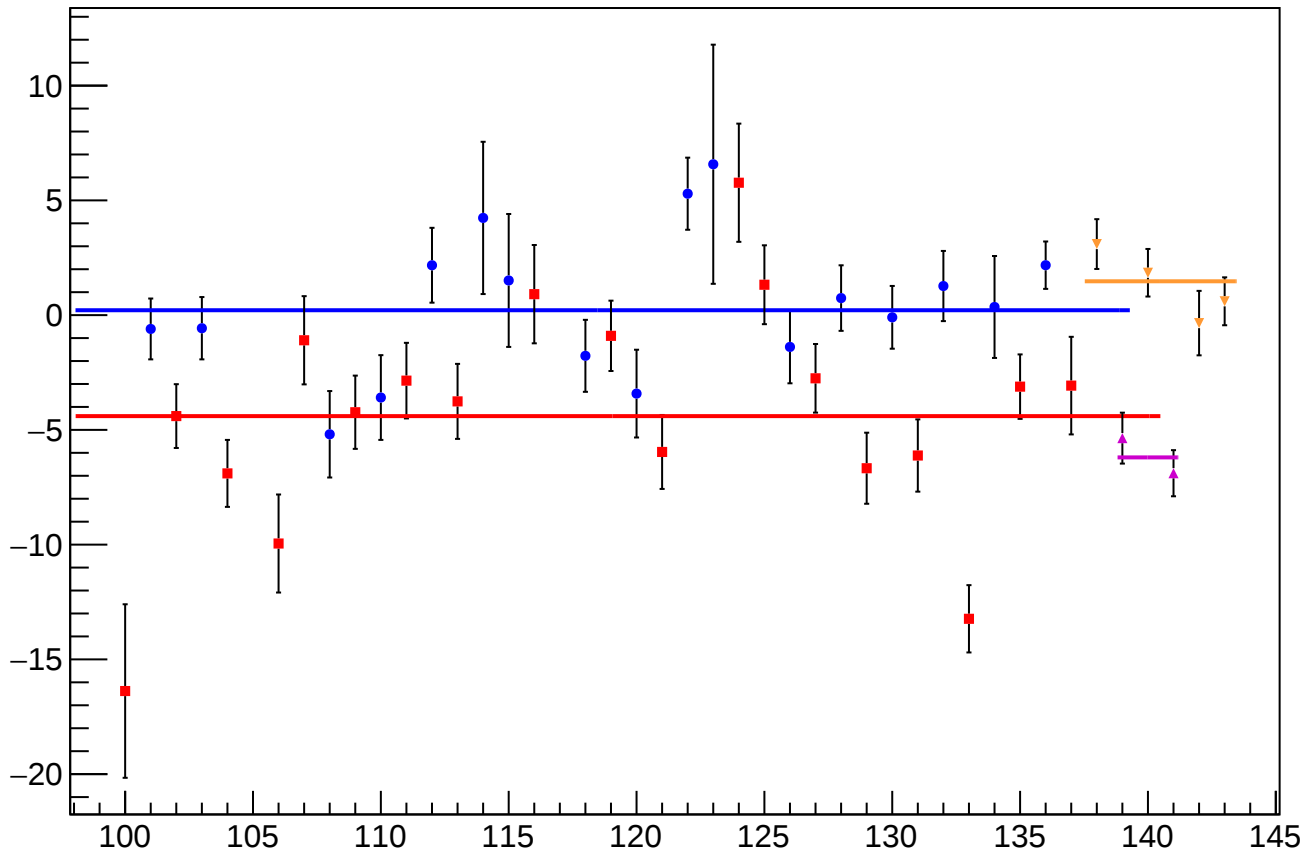
Right: 896.682+/-0.171 χ^2/NDF : 216526.2/35

In: 876.116+/-0.217 χ^2/NDF :119531.6/18

Out: 878.290+/-0.198 χ^2/NDF :145202.8/22

All: 877.297+/-0.146 χ^2/NDF : 264789.1/41

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.213 ± 0.396 χ^2/NDF : 38.8/16

Left Out: 1.474 ± 0.559 χ^2/NDF : 4.7/3

Right Out: -4.400 ± 0.387 χ^2/NDF : 104.8/18

Left In: -6.199 ± 0.745 χ^2/NDF : 1.0/1

Left: -1.288 ± 0.447 χ^2/NDF : 73.7/5

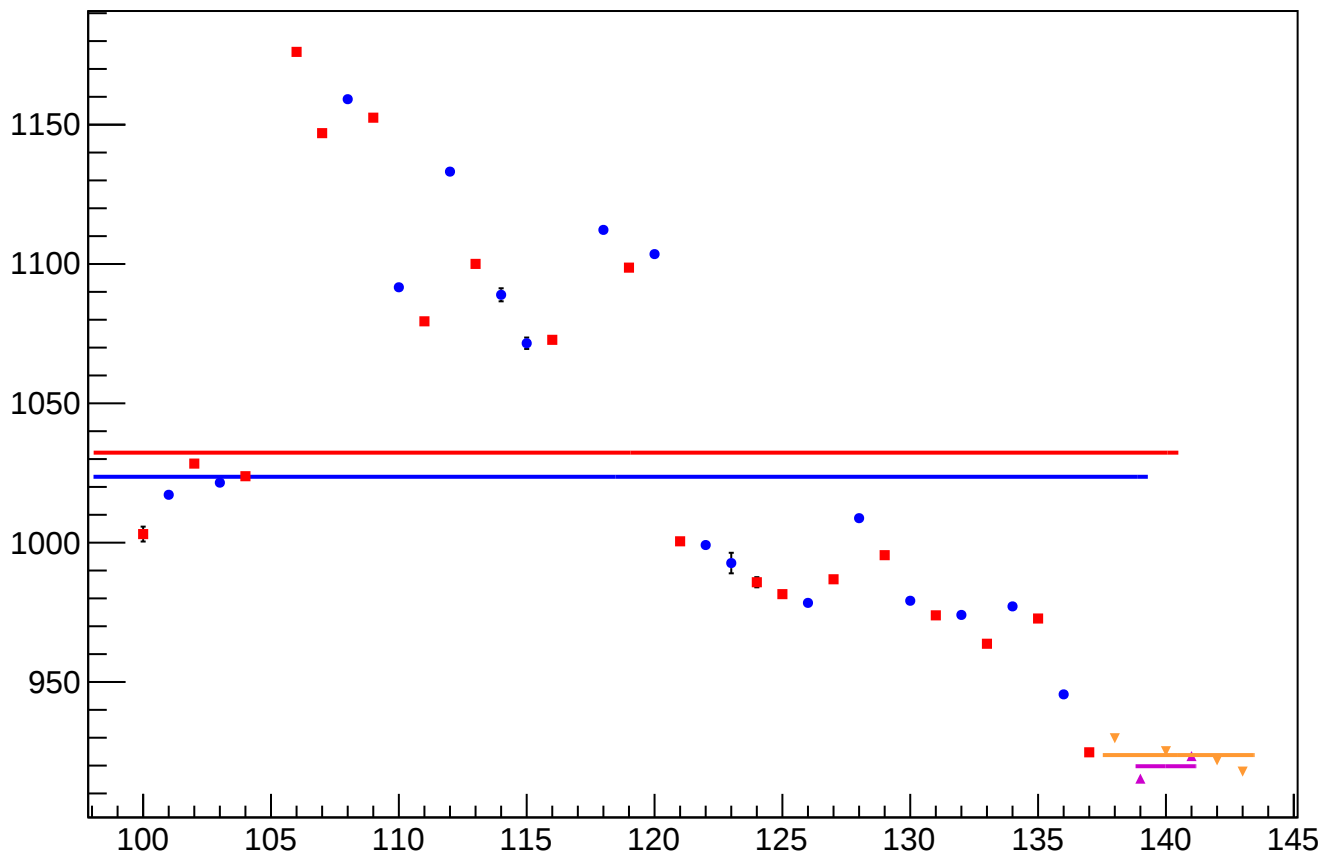
Right: -2.142 ± 0.277 χ^2/NDF : 212.9/35

In: -1.198 ± 0.349 χ^2/NDF : 97.6/18

Out: -2.492 ± 0.318 χ^2/NDF : 184.2/22

All: -1.905 ± 0.235 χ^2/NDF : 289.3/41

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 1023.643 $\pm$ 0.280 χ^2 /NDF: 52282.5/16

Left Out: 923.773 $\pm$ 0.395 χ^2 /NDF:133.9/3

Right Out: 1032.299 $\pm$ 0.274 χ^2 /NDF: 59262.4/18

Left In: 919.769 $\pm$ 0.527 χ^2 /NDF:58.4/1

Left: 922.332 $\pm$ 0.316 χ^2 /NDF: 229.3/5

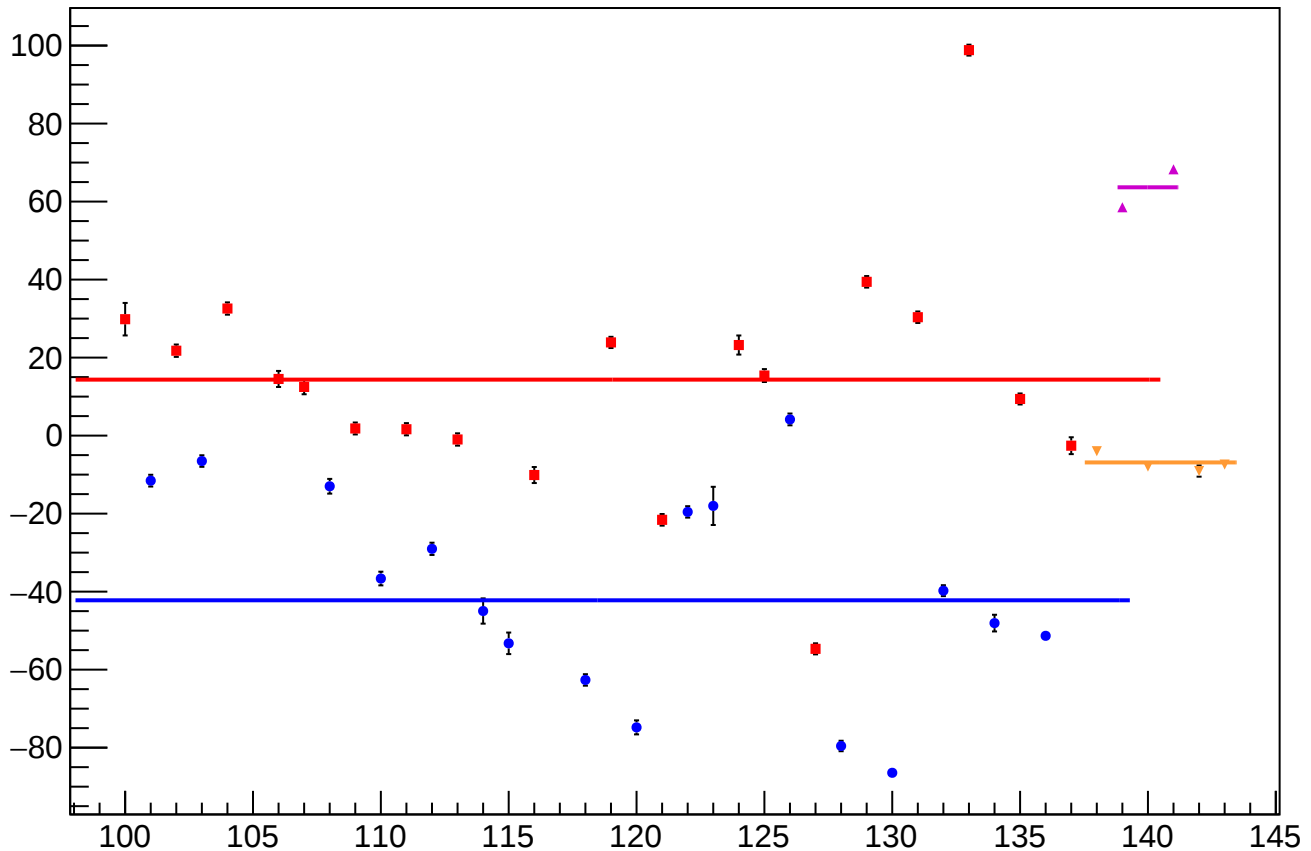
Right: 1028.062 $\pm$ 0.196 χ^2 /NDF: 112033.6/35

In: 1000.775 $\pm$ 0.247 χ^2 /NDF:82684.9/18

Out: 997.049 $\pm$ 0.225 χ^2 /NDF:110369.5/22

All: 998.739 $\pm$ 0.166 χ^2 /NDF: 193178.6/41

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -42.222 ± 0.388 χ^2/NDF : 5097.2/16

Left Out: -6.876 ± 0.572 χ^2/NDF : 10.6/3

Right Out: 14.353 ± 0.379 χ^2/NDF : 7667.7/18

Left In: 63.659 ± 0.763 χ^2/NDF : 40.5/1

Left: 18.467 ± 0.458 χ^2/NDF : 5522.5/5

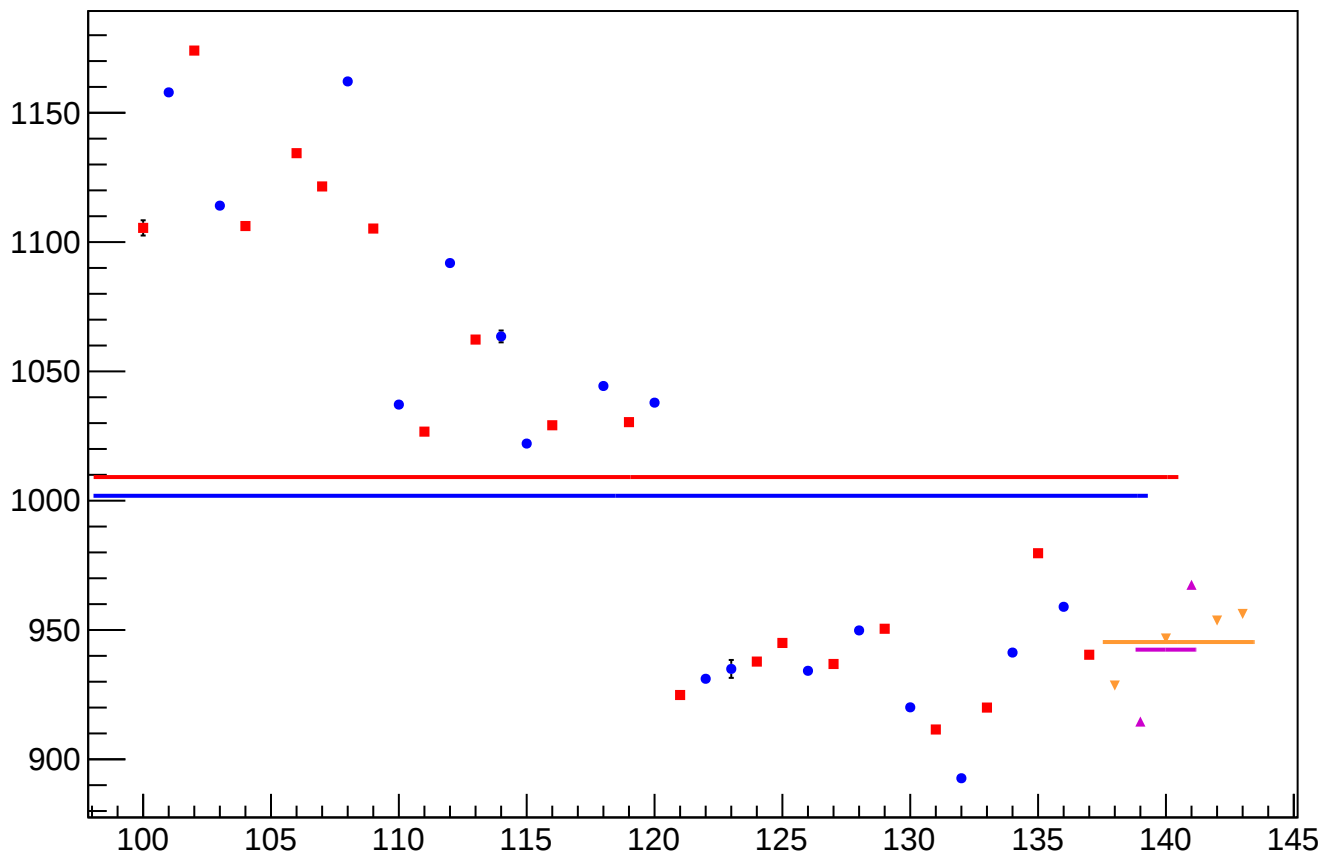
Right: -13.294 ± 0.271 χ^2/NDF : 23642.7/35

In: -20.491 ± 0.346 χ^2/NDF : 20431.1/18

Out: 7.865 ± 0.316 χ^2/NDF : 8636.1/22

All: -5.038 ± 0.233 χ^2/NDF : 32731.8/41

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 1001.897 $\pm$ 0.274 χ^2/NDF : 95203.3/16

Left Out: 945.346 $\pm$ 0.404 χ^2/NDF : 750.9/3

Right Out: 1009.139 $\pm$ 0.268 χ^2/NDF : 95040.9/18

Left In: 942.396 $\pm$ 0.540 χ^2/NDF : 2393.7/1

Left: 944.286 $\pm$ 0.324 χ^2/NDF : 3163.7/5

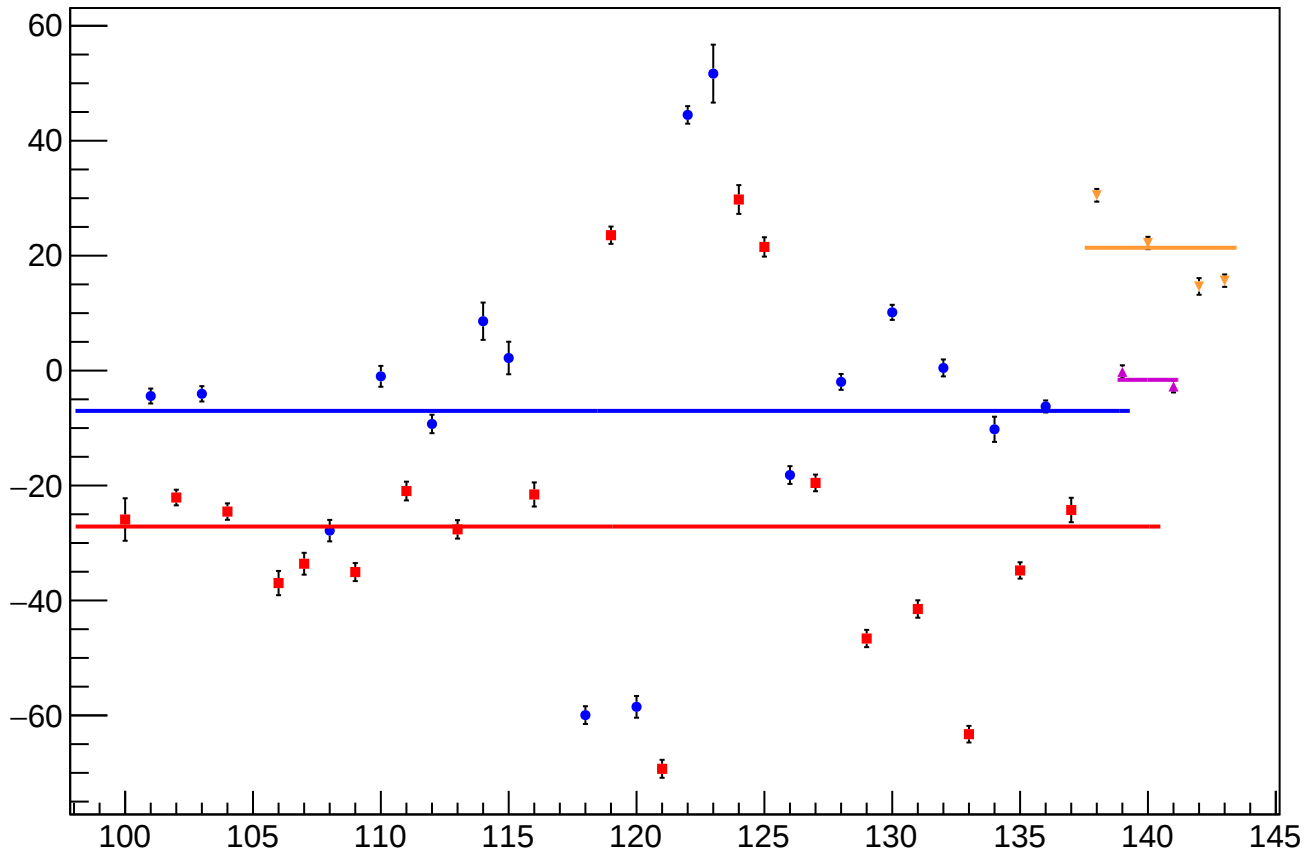
Right: 1005.600 $\pm$ 0.192 χ^2/NDF : 190600.7/35

In: 989.685 $\pm$ 0.245 χ^2/NDF : 107256.1/18

Out: 989.644 $\pm$ 0.223 χ^2/NDF : 113090.7/22

All: 989.663 $\pm$ 0.165 χ^2/NDF : 220346.9/41

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -7.011 ± 0.389 χ^2/NDF : 3634.7/16

Left Out: 21.380 ± 0.576 χ^2/NDF : 117.8/3

Right Out: -27.137 ± 0.380 χ^2/NDF : 4257.1/18

Left In: -1.602 ± 0.770 χ^2/NDF : 2.7/1

Left: 13.130 ± 0.461 χ^2/NDF : 691.4/5

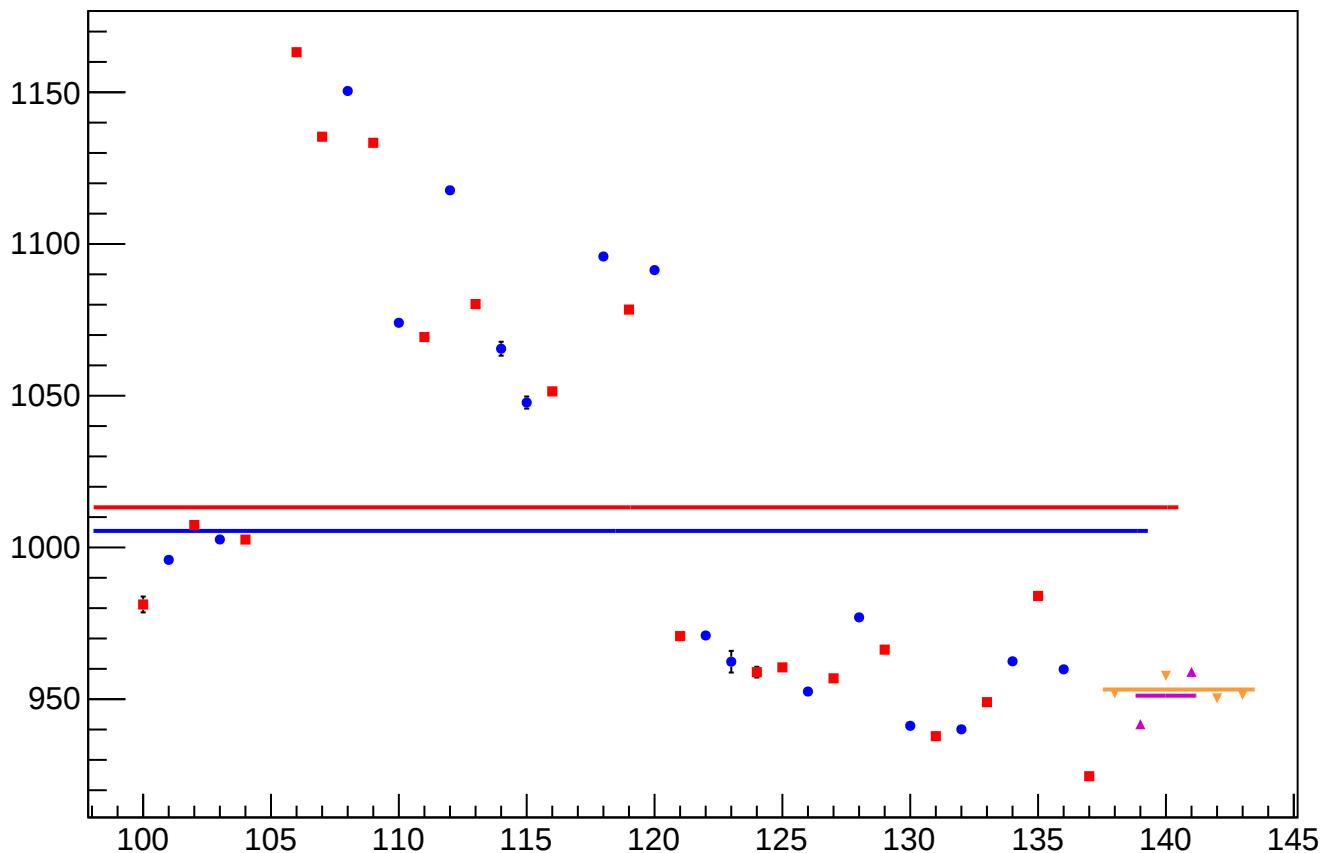
Right: -17.293 ± 0.272 χ^2/NDF : 9261.8/35

In: -5.913 ± 0.347 χ^2/NDF : 3676.7/18

Out: -12.420 ± 0.317 χ^2/NDF : 9312.3/22

All: -9.455 ± 0.234 χ^2/NDF : 13180.5/41

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 1005.453+/-0.275 χ^2/NDF : 54493.5/16

Left Out: 953.188+/-0.408 χ^2/NDF : 51.1/3

Right Out: 1013.228+/-0.269 χ^2/NDF : 63189.9/18

Left In: 951.153+/-0.545 χ^2/NDF : 248.6/1

Left: 952.457+/-0.326 χ^2/NDF : 308.6/5

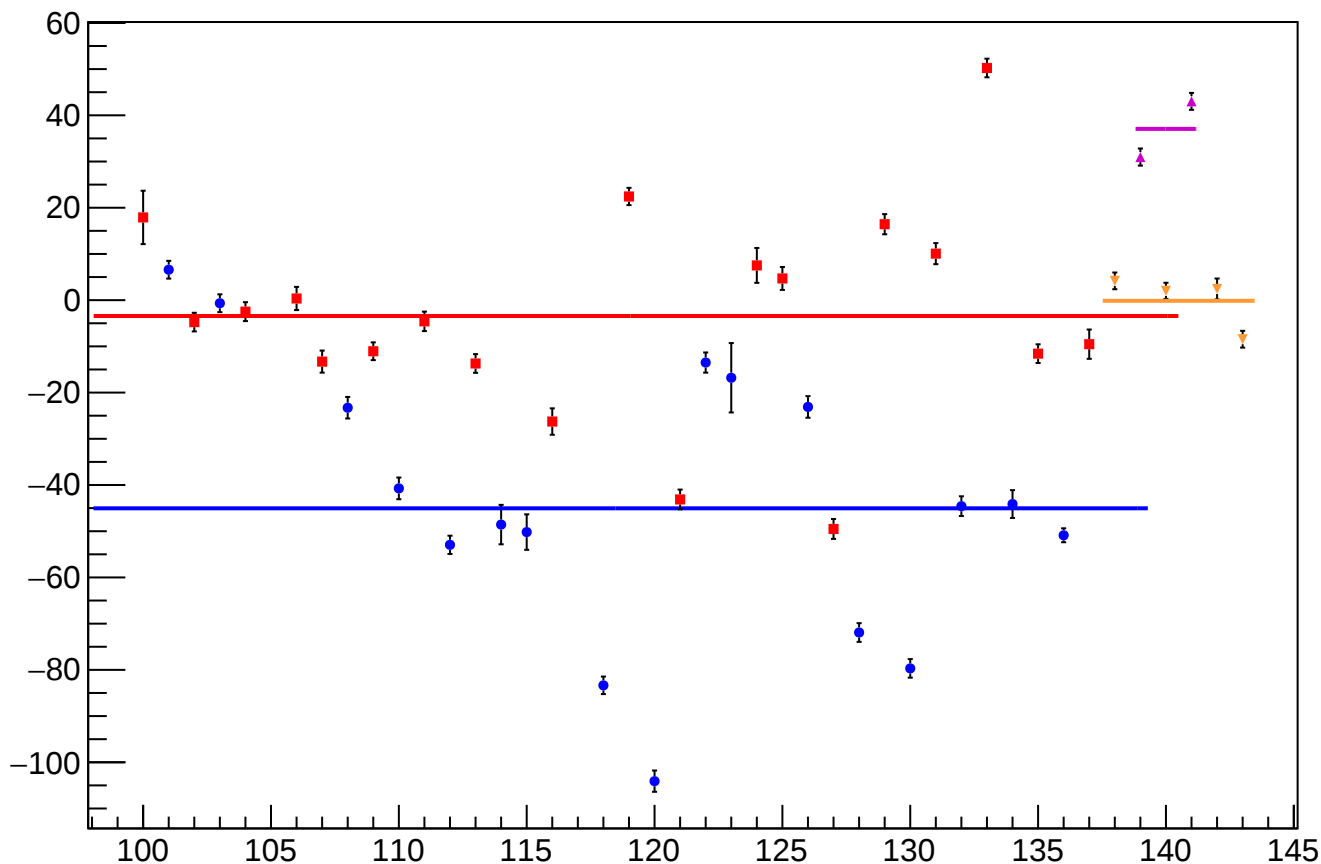
Right: 1009.425+/-0.192 χ^2/NDF : 118092.3/35

In: 994.430+/-0.245 χ^2/NDF : 62667.1/18

Out: 995.016+/-0.224 χ^2/NDF : 78363.5/22

All: 994.749+/-0.166 χ^2/NDF : 141033.7/41

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -45.043 $\pm$ 0.541 χ^2/NDF : 3223.5/16

Left Out: -0.138 $\pm$ 0.940 χ^2/NDF : 29.5/3

Right Out: -3.429 $\pm$ 0.523 χ^2/NDF : 2001.9/18

Left In: 37.060 $\pm$ 1.302 χ^2/NDF : 21.4/1

Left: 12.608 $\pm$ 0.762 χ^2/NDF : 587.4/5

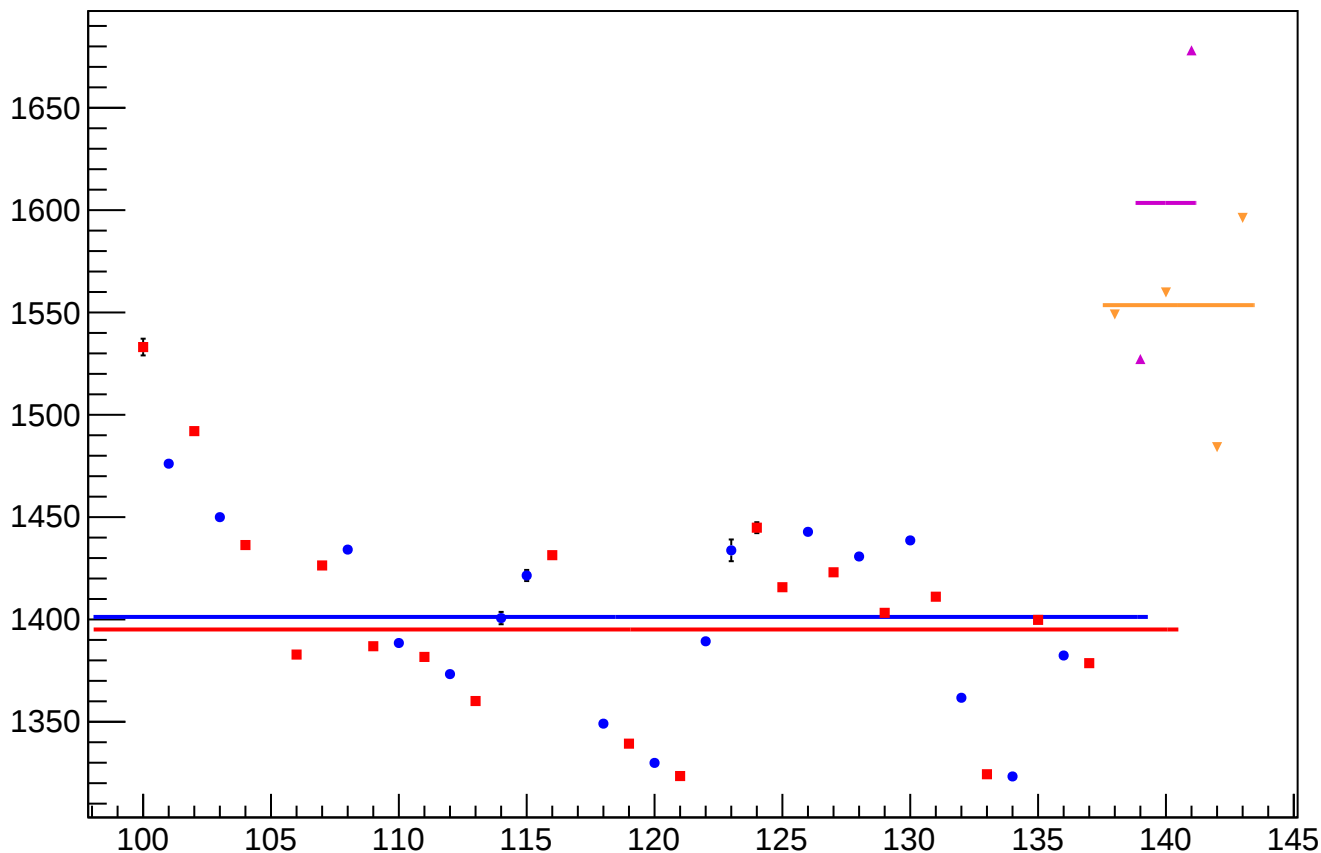
Right: -23.534 $\pm$ 0.376 χ^2/NDF : 8287.8/35

In: -32.969 $\pm$ 0.499 χ^2/NDF : 6636.5/18

Out: -2.652 $\pm$ 0.457 χ^2/NDF : 2040.7/22

All: -16.467 $\pm$ 0.337 χ^2/NDF : 10684.3/41

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1401.235+/-0.382 χ^2/NDF : 12839.4/16

Left Out: 1553.581+/-0.665 χ^2/NDF : 3023.9/3

Right Out: 1395.100+/-0.370 χ^2/NDF : 15523.2/18

Left In: 1603.523+/-0.921 χ^2/NDF : 6710.0/1

Left: 1570.694+/-0.539 χ^2/NDF : 11668.2/5

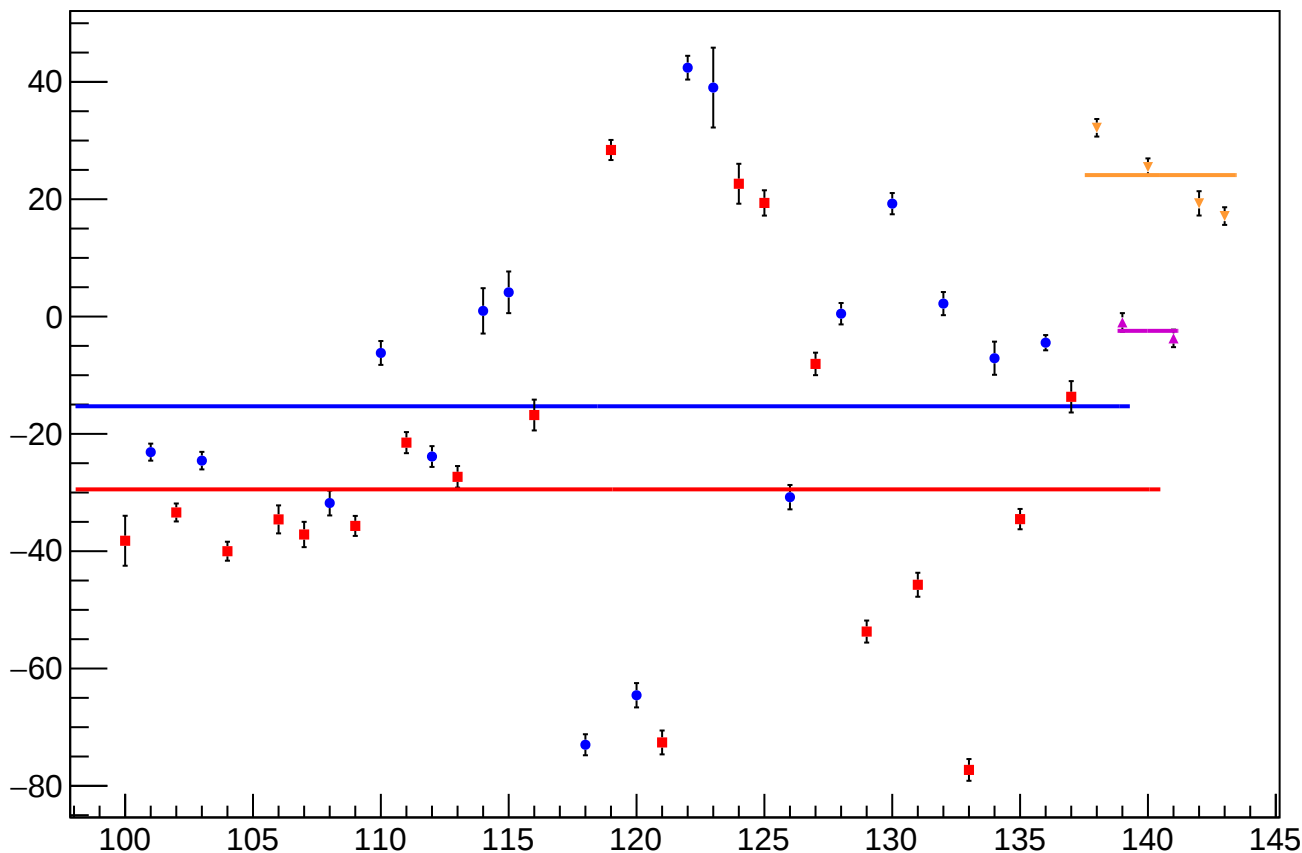
Right: 1398.064+/-0.266 χ^2/NDF : 28495.7/35

In: 1430.982+/-0.353 χ^2/NDF : 60727.4/18

Out: 1432.524+/-0.323 χ^2/NDF : 61967.7/22

All: 1431.821+/-0.238 χ^2/NDF : 122705.5/41

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.296 ± 0.473 χ^2/NDF : 3345.6/16

Left Out: 24.116 ± 0.798 χ^2/NDF : 56.7/3

Right Out: -29.461 ± 0.457 χ^2/NDF : 3528.0/18

Left In: -2.437 ± 1.085 χ^2/NDF : 1.6/1

Left: 14.804 ± 0.643 χ^2/NDF : 447.0/5

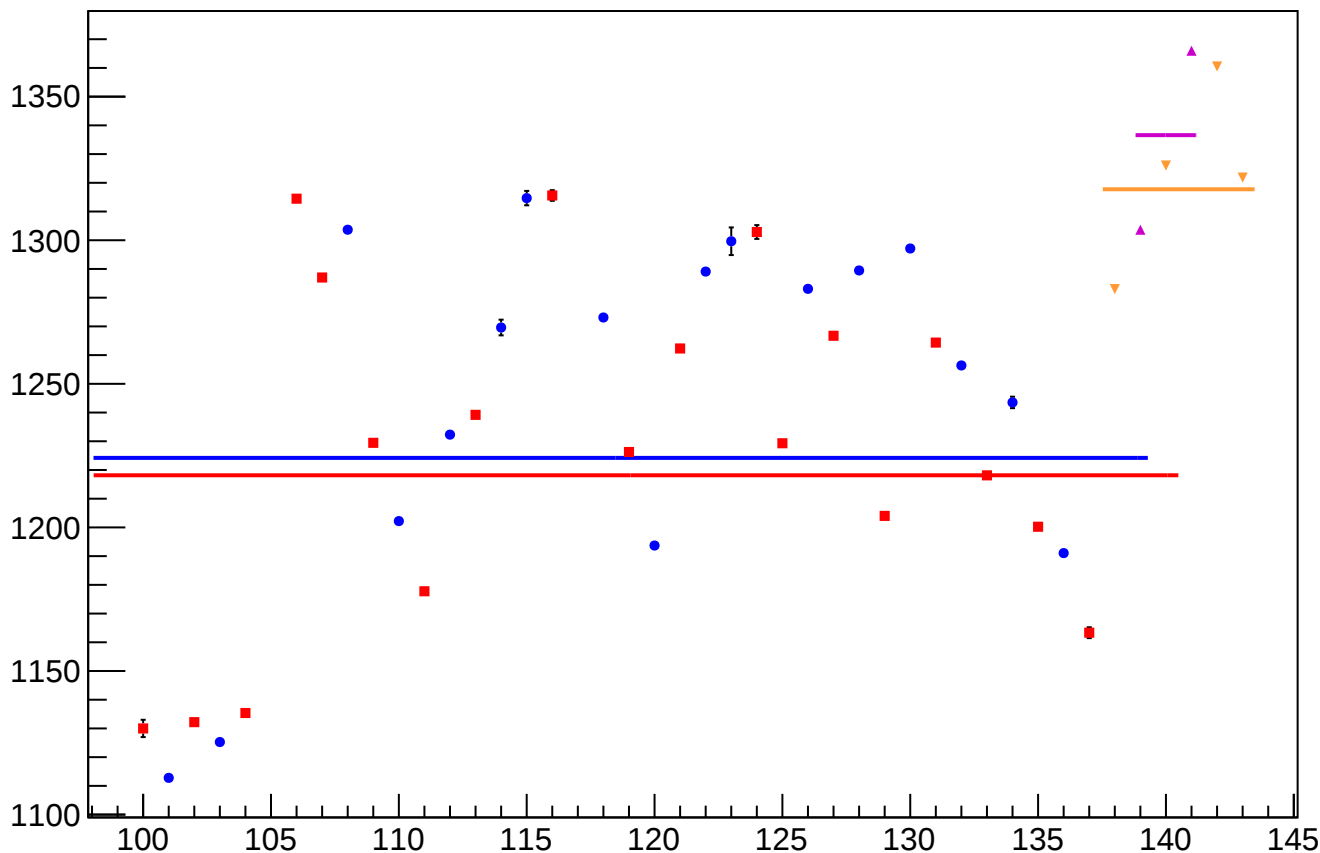
Right: -22.622 ± 0.329 χ^2/NDF : 7337.6/35

In: -13.244 ± 0.434 χ^2/NDF : 3465.1/18

Out: -16.221 ± 0.396 χ^2/NDF : 6982.6/22

All: -14.865 ± 0.293 χ^2/NDF : 10473.5/41

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1224.212 $\pm$ 0.334 χ^2/NDF : 38774.7/16

Left Out: 1317.753 $\pm$ 0.564 χ^2/NDF : 2003.9/3

Right Out: 1218.154 $\pm$ 0.323 χ^2/NDF : 27562.5/18

Left In: 1336.595 $\pm$ 0.767 χ^2/NDF : 1644.6/1

Left: 1324.360 $\pm$ 0.454 χ^2/NDF : 4040.0/5

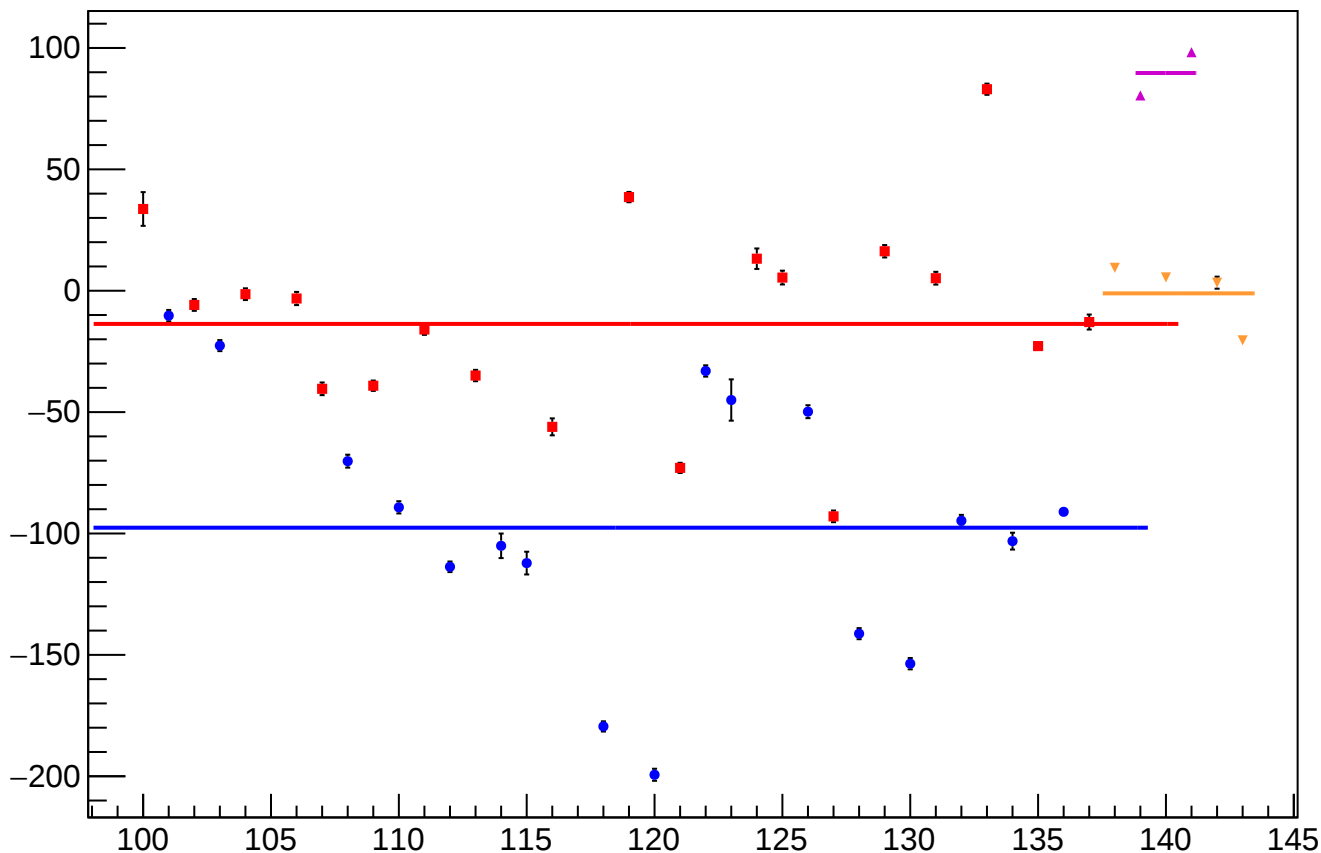
Right: 1221.079 $\pm$ 0.232 χ^2/NDF : 66506.9/35

In: 1242.147 $\pm$ 0.307 χ^2/NDF : 58445.1/18

Out: 1242.766 $\pm$ 0.280 χ^2/NDF : 53051.1/22

All: 1242.484 $\pm$ 0.207 χ^2/NDF : 111498.5/41

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -97.610 ± 0.602 χ^2/NDF : 7919.3/16

Left Out: -1.081 ± 0.981 χ^2/NDF : 157.1/3

Right Out: -13.666 ± 0.580 χ^2/NDF : 5116.2/18

Left In: 89.686 ± 1.349 χ^2/NDF : 43.5/1

Left: 30.313 ± 0.793 χ^2/NDF : 3161.2/5

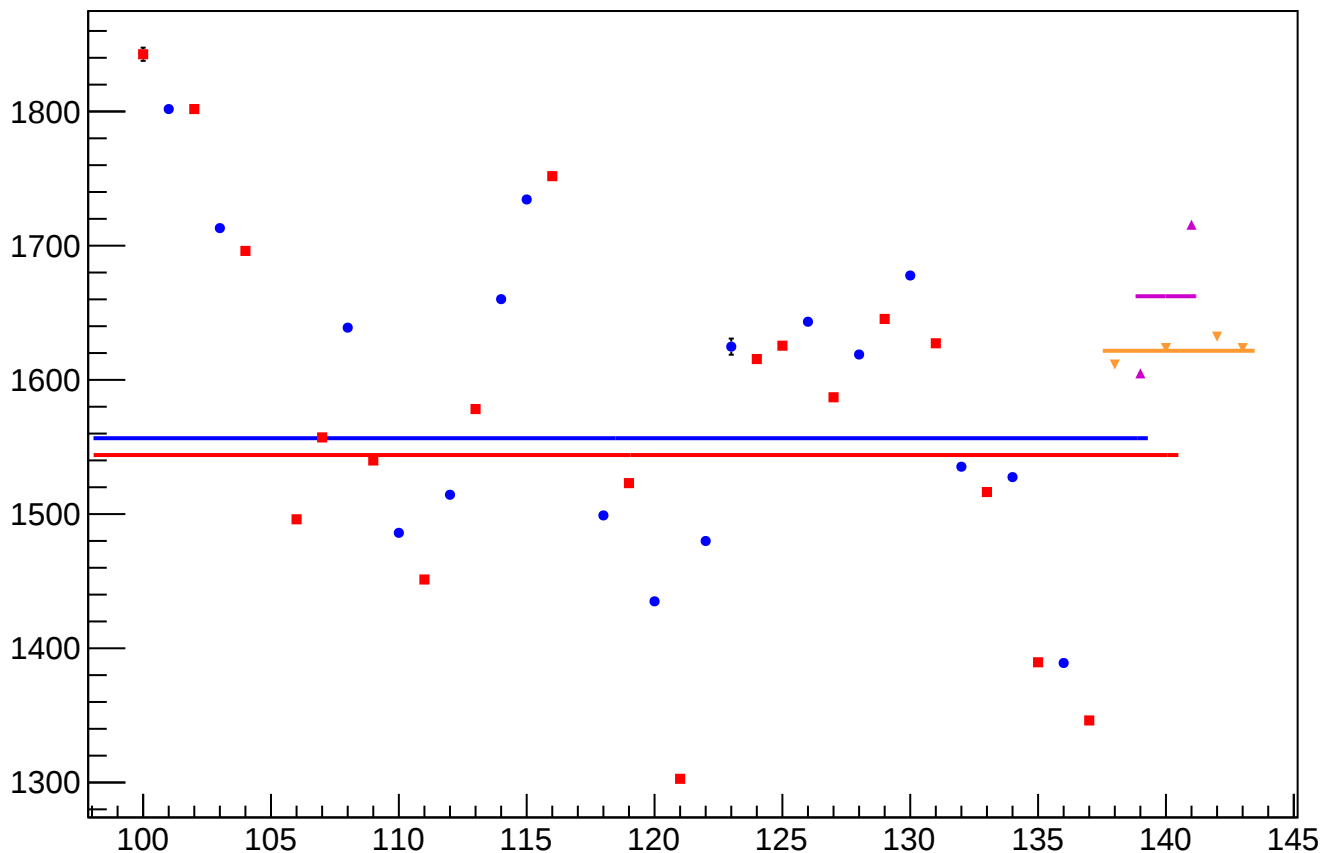
Right: -54.080 ± 0.418 χ^2/NDF : 23109.2/35

In: -66.488 ± 0.550 χ^2/NDF : 24032.4/18

Out: -10.404 ± 0.499 χ^2/NDF : 5395.2/22

All: -35.754 ± 0.370 χ^2/NDF : 35126.5/41

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1556.539 $\pm$ 0.426 χ^2 /NDF: 81438.3/16

Left Out: 1621.687 $\pm$ 0.694 χ^2 /NDF:100.1/3

Right Out: 1543.993 $\pm$ 0.410 χ^2 /NDF: 100599.9/18

Left In: 1662.323 $\pm$ 0.954 χ^2 /NDF:3364.5/1

Left: 1635.742 $\pm$ 0.561 χ^2 /NDF: 4651.4/5

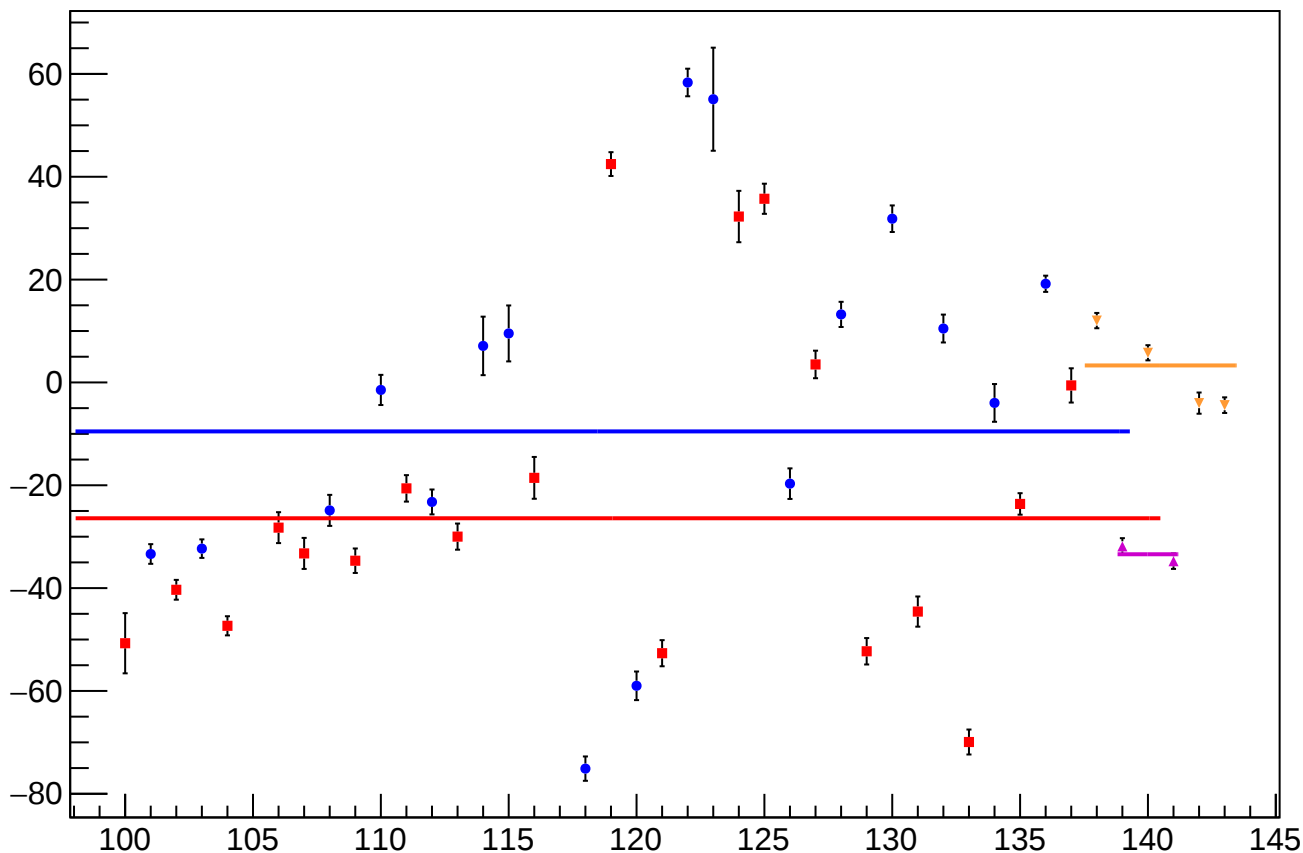
Right: 1550.033 $\pm$ 0.295 χ^2 /NDF: 182488.2/35

In: 1574.116 $\pm$ 0.389 χ^2 /NDF:95055.0/18

Out: 1564.132 $\pm$ 0.353 χ^2 /NDF:109992.3/22

All: 1568.645 $\pm$ 0.261 χ^2 /NDF: 205408.5/41

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -9.523 ± 0.627 χ^2/NDF : 2908.8/16

Left Out: 3.306 ± 0.796 χ^2/NDF : 75.6/3

Right Out: -26.417 ± 0.604 χ^2/NDF : 2451.3/18

Left In: -33.416 ± 1.093 χ^2/NDF : 1.7/1

Left: -9.426 ± 0.643 χ^2/NDF : 815.3/5

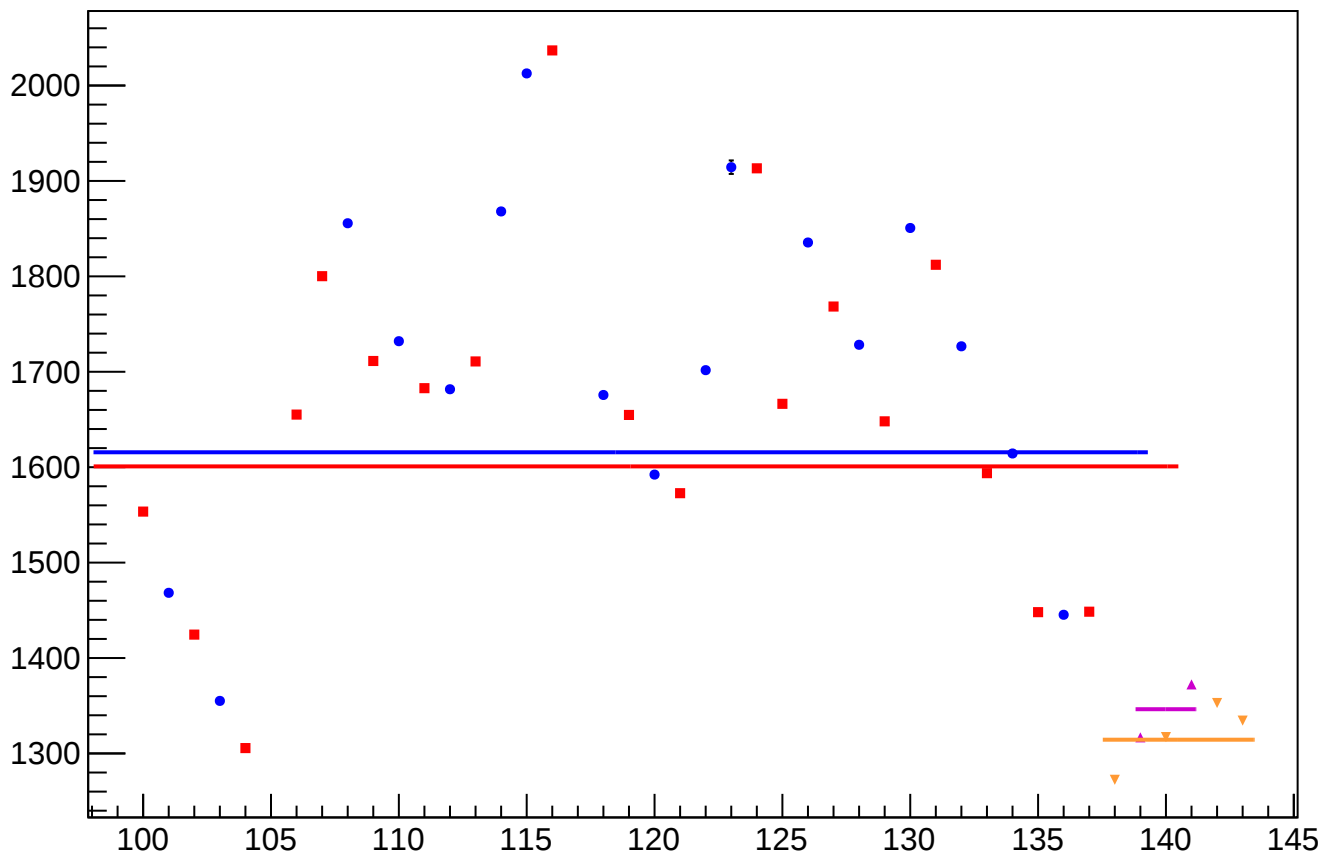
Right: -18.295 ± 0.435 χ^2/NDF : 5736.6/35

In: -15.448 ± 0.544 χ^2/NDF : 3270.1/18

Out: -15.563 ± 0.481 χ^2/NDF : 3412.1/22

All: -15.513 ± 0.360 χ^2/NDF : 6682.3/41

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1615.627 $\pm$ 0.444 χ^2 /NDF: 149190.0/16

Left Out: 1314.399 $\pm$ 0.563 χ^2 /NDF: 2643.9/3

Right Out: 1600.836 $\pm$ 0.427 χ^2 /NDF: 153528.6/18

Left In: 1346.354 $\pm$ 0.773 χ^2 /NDF: 1284.1/1

Left: 1325.477 $\pm$ 0.455 χ^2 /NDF: 5045.6/5

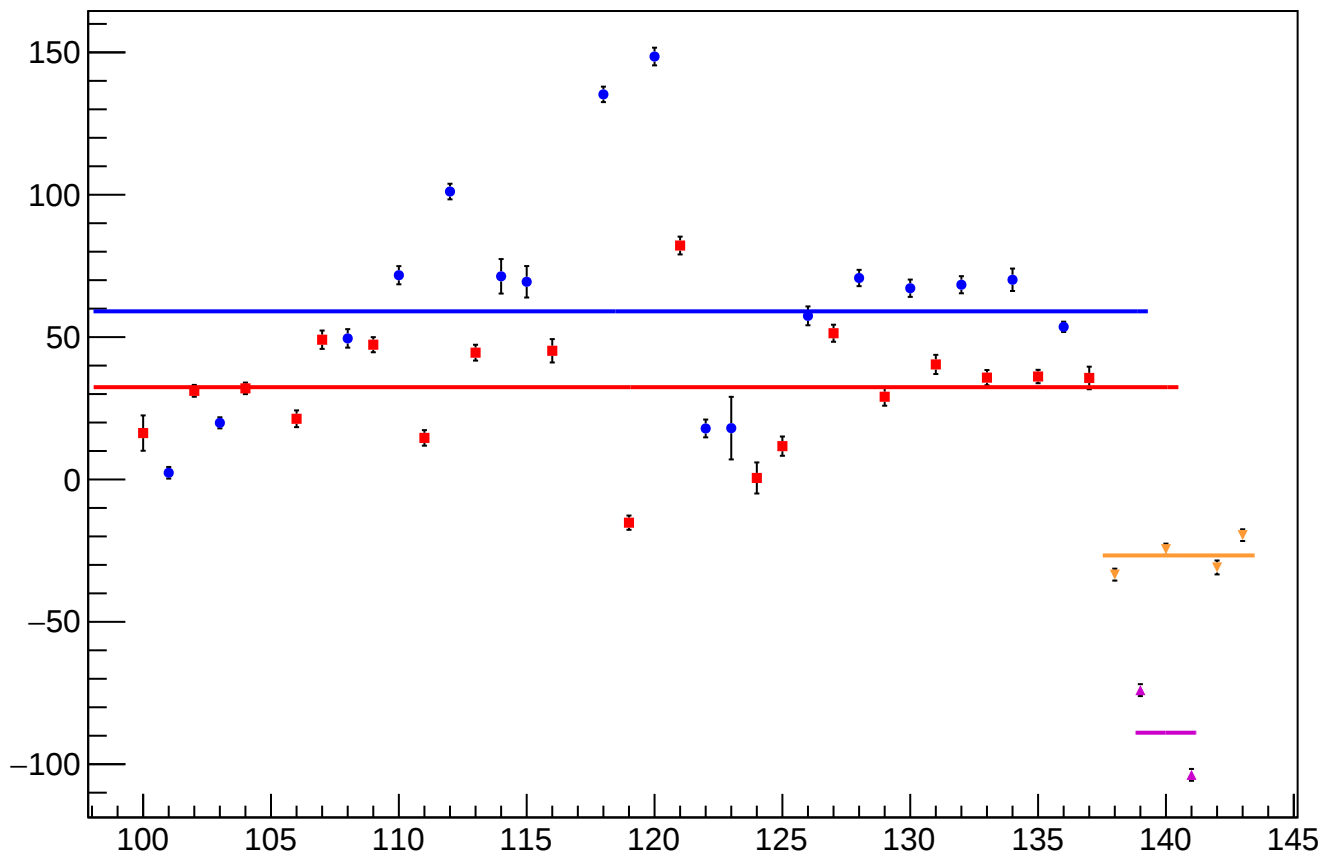
Right: 1607.947 $\pm$ 0.308 χ^2 /NDF: 303295.8/35

In: 1548.863 $\pm$ 0.385 χ^2 /NDF: 241825.9/18

Out: 1496.236 $\pm$ 0.340 χ^2 /NDF: 320598.2/22

All: 1519.323 $\pm$ 0.255 χ^2 /NDF: 572927.6/41

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 59.057 $\pm$ 0.700 χ^2/NDF : 3293.2/16

Left Out: -26.680 $\pm$ 1.062 χ^2/NDF : 26.5/3

Right Out: 32.417 $\pm$ 0.667 χ^2/NDF : 888.1/18

Left In: -88.936 $\pm$ 1.477 χ^2/NDF : 101.6/1

Left: -47.912 $\pm$ 0.862 χ^2/NDF : 1299.5/5

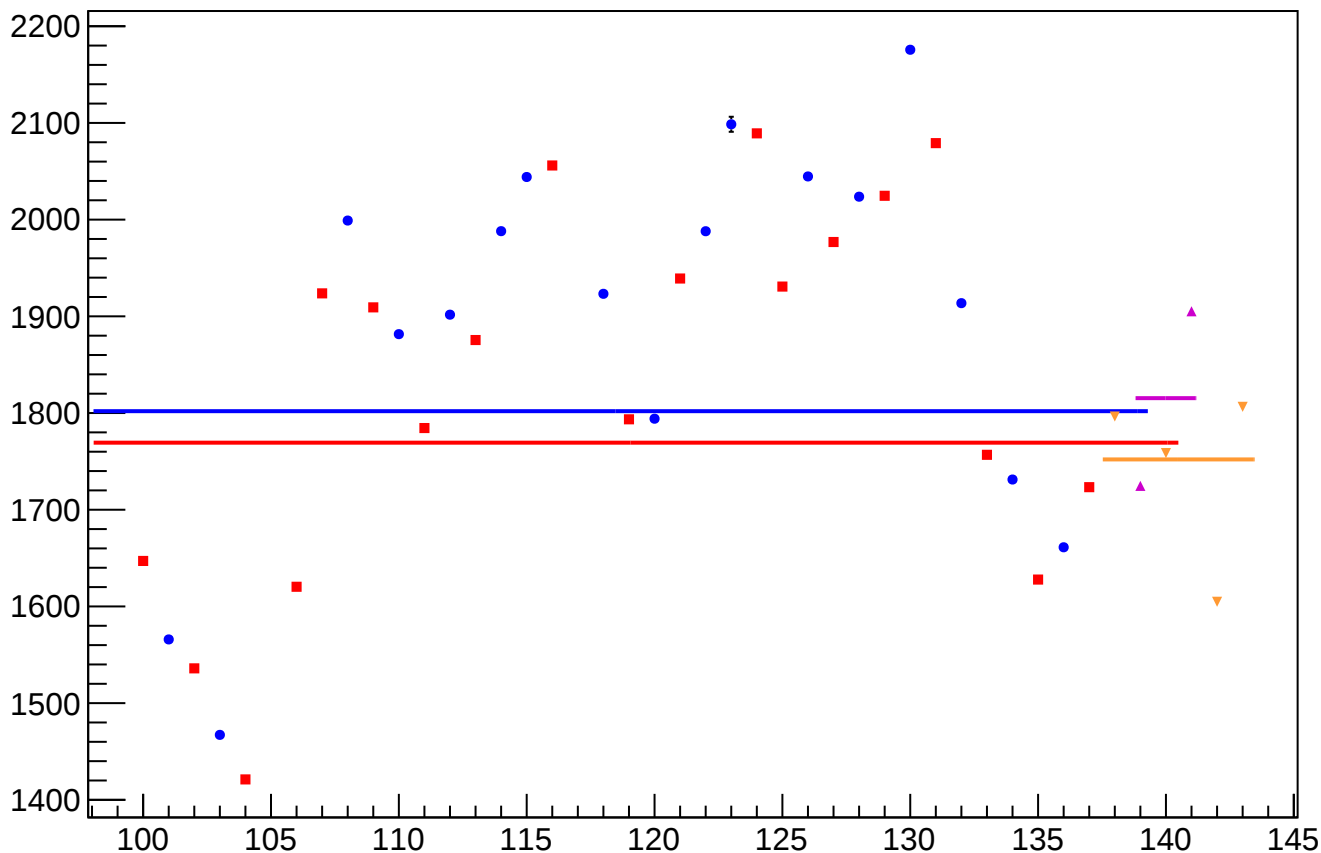
Right: 45.094 $\pm$ 0.483 χ^2/NDF : 4939.4/35

In: 31.870 $\pm$ 0.633 χ^2/NDF : 11595.2/18

Out: 15.690 $\pm$ 0.565 χ^2/NDF : 3133.7/22

All: 22.868 $\pm$ 0.422 χ^2/NDF : 15092.5/41

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1801.920 ± 0.495 χ^2/NDF : 183555.8/16

Left Out: 1752.025 ± 0.751 χ^2/NDF : 9547.9/3

Right Out: 1769.354 ± 0.472 χ^2/NDF : 177813.0/18

Left In: 1815.389 ± 1.044 χ^2/NDF : 7476.0/1

Left: 1773.635 ± 0.610 χ^2/NDF : 19450.9/5

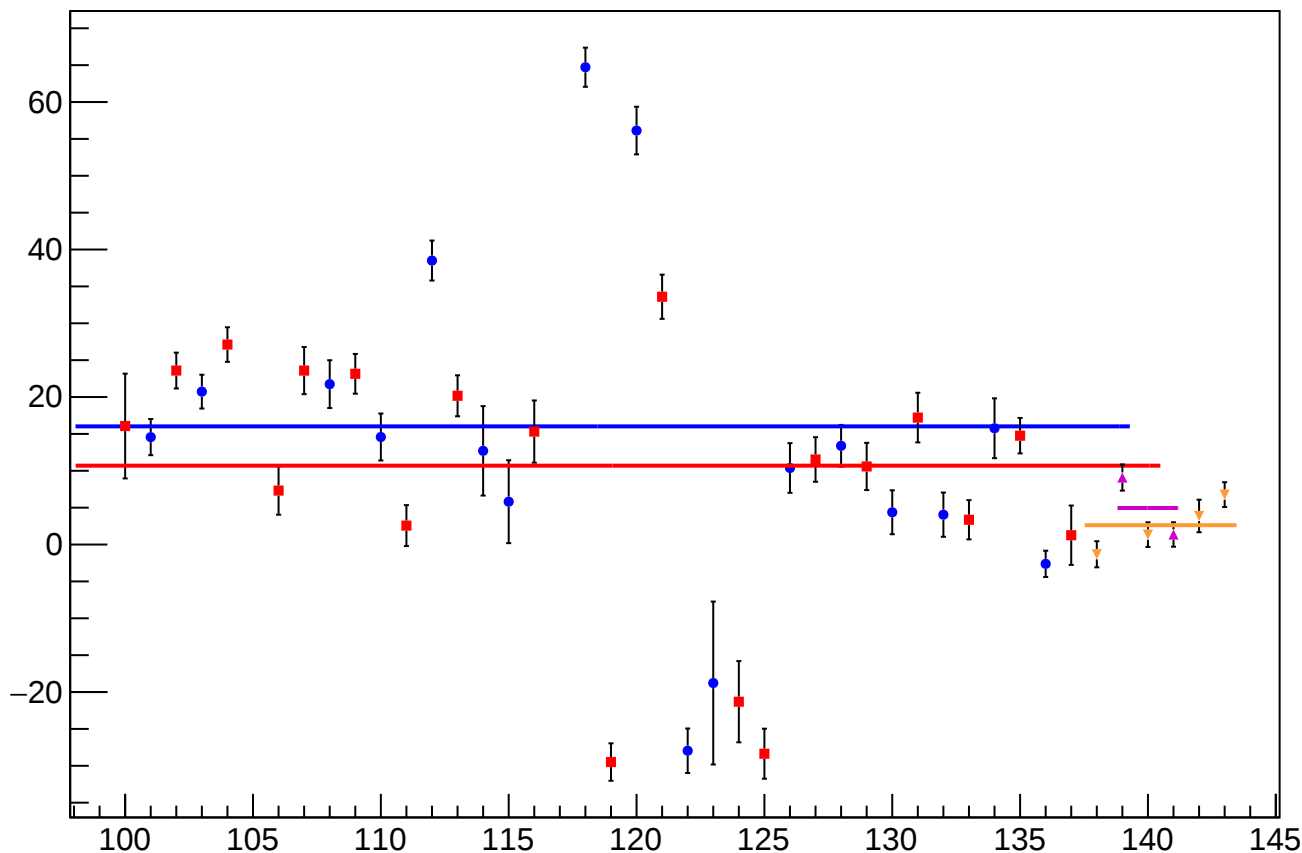
Right: 1784.851 ± 0.342 χ^2/NDF : 363634.8/35

In: 1804.395 ± 0.447 χ^2/NDF : 191167.6/18

Out: 1764.449 ± 0.400 χ^2/NDF : 187742.5/22

All: 1782.171 ± 0.298 χ^2/NDF : 383343.2/41

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.023 $\pm$ 0.723 χ^2 /NDF: 938.1/16

Left Out: 2.626 $\pm$ 0.900 χ^2 /NDF:11.9/3

Right Out: 10.695 $\pm$ 0.694 χ^2 /NDF: 632.7/18

Left In: 4.957 $\pm$ 1.210 χ^2 /NDF:10.1/1

Left: 3.455 $\pm$ 0.722 χ^2 /NDF: 24.5/5

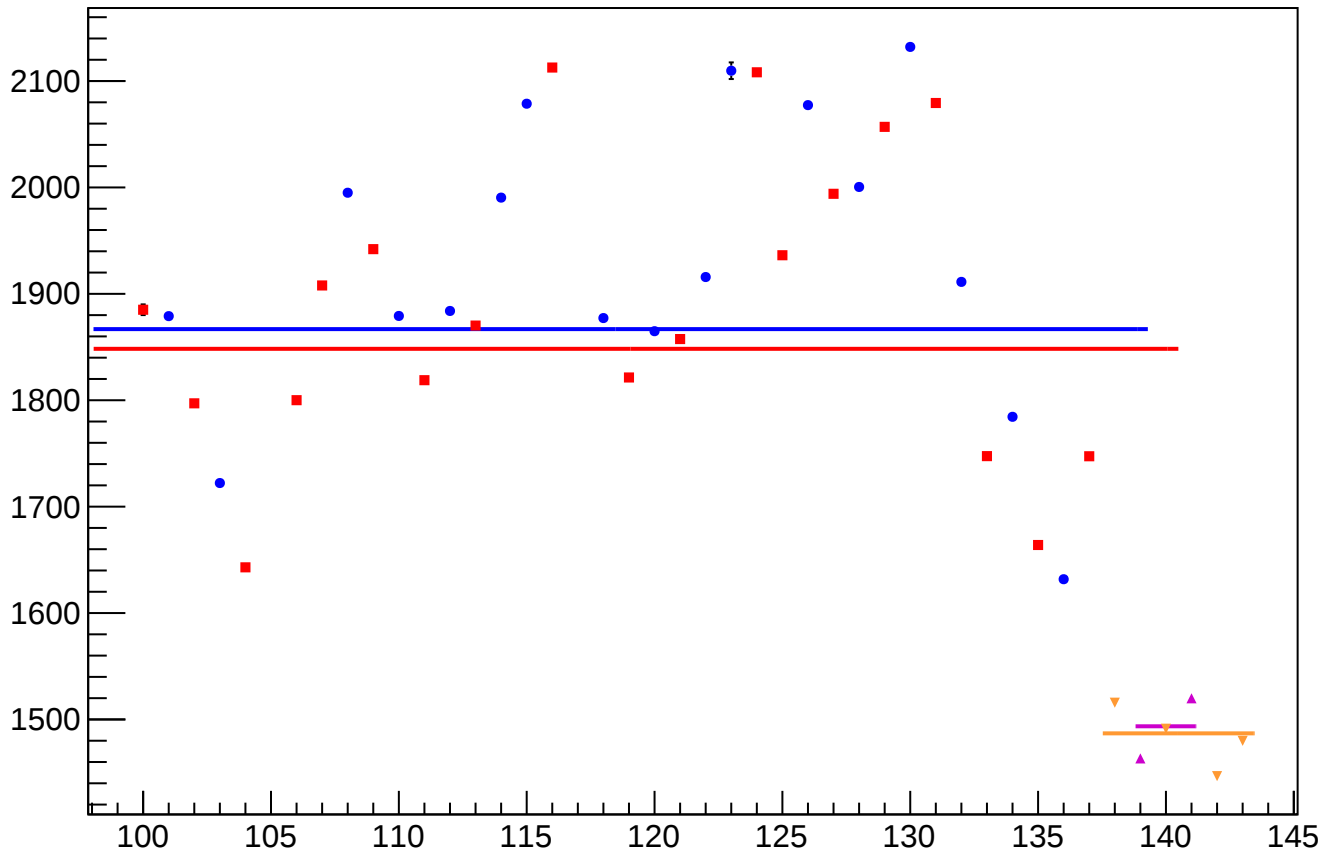
Right: 13.253 $\pm$ 0.501 χ^2 /NDF: 1599.1/35

In: 13.115 $\pm$ 0.621 χ^2 /NDF:1009.8/18

Out: 7.682 $\pm$ 0.550 χ^2 /NDF:695.1/22

All: 10.071 $\pm$ 0.411 χ^2 /NDF: 1747.9/41

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1866.855 $\pm$ 0.511 χ^2 /NDF: 80657.5/16

Left Out: 1486.933 $\pm$ 0.636 χ^2 /NDF:1244.5/3

Right Out: 1848.333 $\pm$ 0.491 χ^2 /NDF: 72586.9/18

Left In: 1493.572 $\pm$ 0.856 χ^2 /NDF:1084.2/1

Left: 1489.295 $\pm$ 0.511 χ^2 /NDF: 2367.5/5

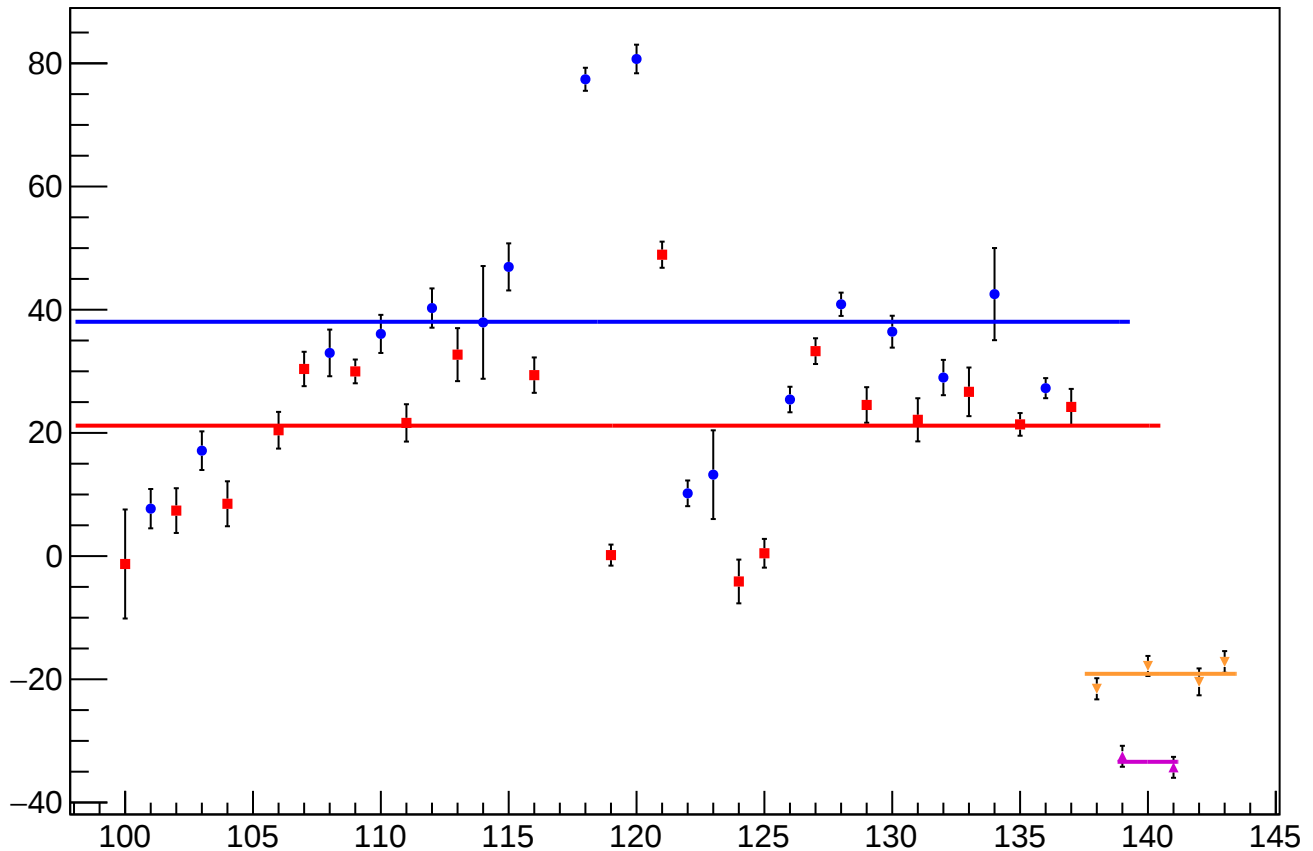
Right: 1857.225 $\pm$ 0.354 χ^2 /NDF: 153927.5/35

In: 1768.762 $\pm$ 0.439 χ^2 /NDF:221957.9/18

Out: 1713.389 $\pm$ 0.389 χ^2 /NDF:276098.7/22

All: 1737.736 $\pm$ 0.291 χ^2 /NDF: 506980.0/41

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 38.041+/-0.639 χ^2/NDF : 1207.6/16

Left Out: -19.111+/-0.895 χ^2/NDF : 4.2/3

Right Out: 21.178+/-0.610 χ^2/NDF : 570.0/18

Left In: -33.398+/-1.203 χ^2/NDF : 0.6/1

Left: -24.205+/-0.718 χ^2/NDF : 95.6/5

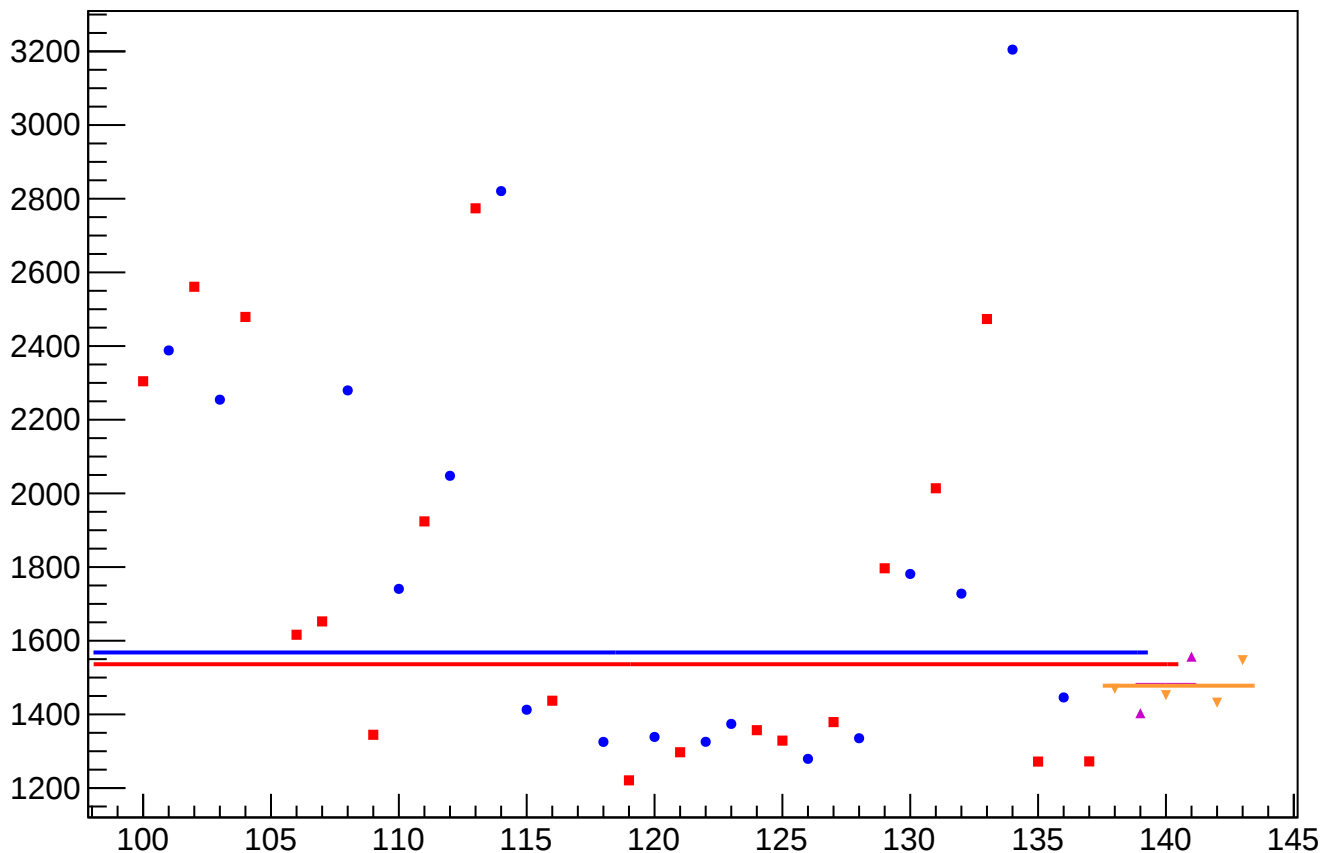
Right: 29.215+/-0.441 χ^2/NDF : 2142.4/35

In: 22.320+/-0.564 χ^2/NDF : 3960.7/18

Out: 8.412+/-0.504 χ^2/NDF : 1958.4/22

All: 14.584+/-0.376 χ^2/NDF : 6257.3/41

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1568.172 $\pm$ 0.452 χ^2 /NDF: 668072.7/16

Left Out: 1477.915 $\pm$ 0.633 χ^2 /NDF: 4528.9/3

Right Out: 1536.208 $\pm$ 0.431 χ^2 /NDF: 882312.9/18

Left In: 1480.132 $\pm$ 0.850 χ^2 /NDF: 8144.1/1

Left: 1478.705 $\pm$ 0.508 χ^2 /NDF: 12677.4/5

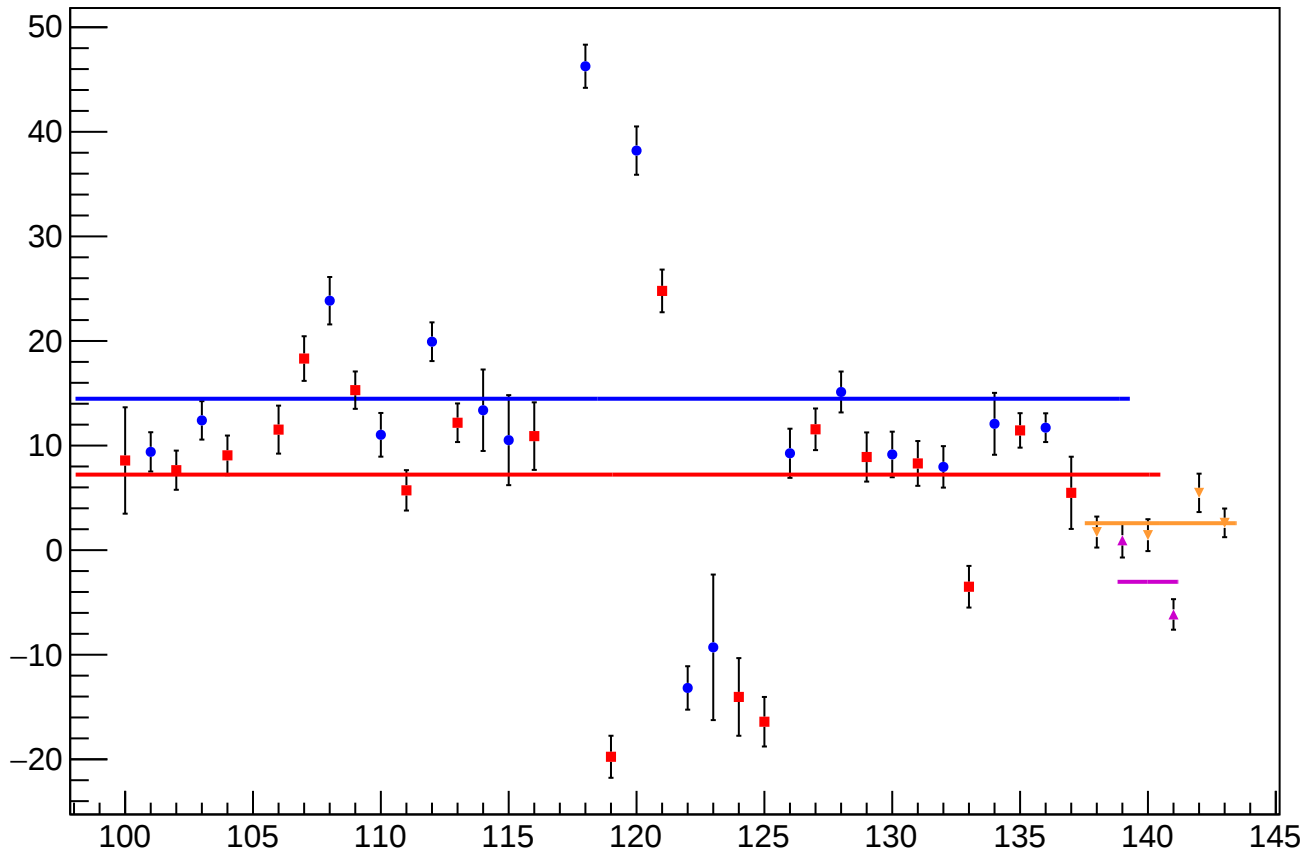
Right: 1551.443 $\pm$ 0.312 χ^2 /NDF: 1553006.8/35

In: 1548.798 $\pm$ 0.399 χ^2 /NDF: 684577.6/18

Out: 1517.738 $\pm$ 0.356 χ^2 /NDF: 892637.3/22

All: 1531.520 $\pm$ 0.266 χ^2 /NDF: 1580587.8/41

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.477 $\pm$ 0.524 χ^2 /NDF: 596.5/16

Left Out: 2.577 $\pm$ 0.764 χ^2 /NDF: 3.4/3

Right Out: 7.223 $\pm$ 0.495 χ^2 /NDF: 489.0/18

Left In: -3.028 $\pm$ 1.093 χ^2 /NDF: 10.4/1

Left: 0.737 $\pm$ 0.626 χ^2 /NDF: 31.4/5

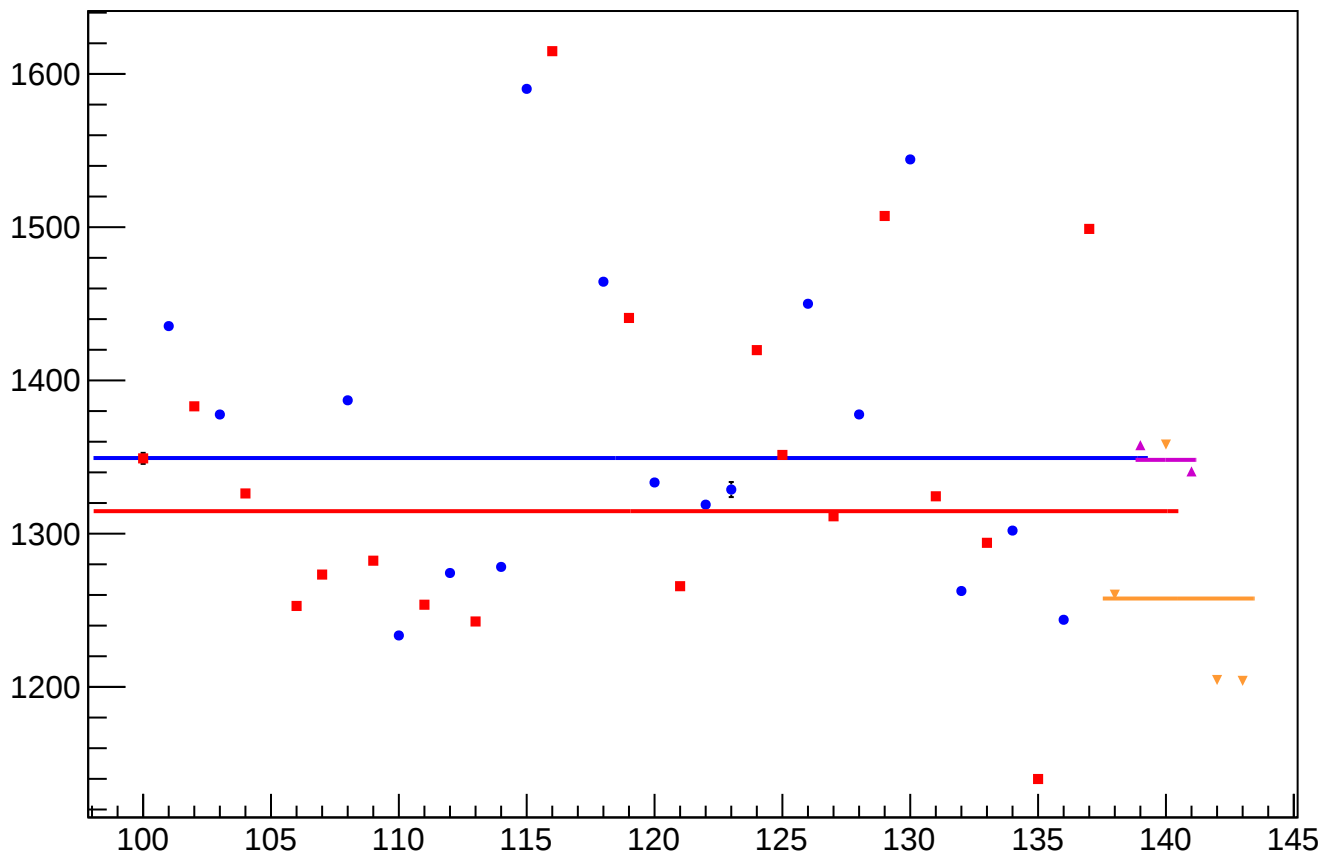
Right: 10.645 $\pm$ 0.360 χ^2 /NDF: 1186.7/35

In: 11.203 $\pm$ 0.473 χ^2 /NDF: 815.6/18

Out: 5.847 $\pm$ 0.416 χ^2 /NDF: 518.5/22

All: 8.183 $\pm$ 0.312 χ^2 /NDF: 1406.5/41

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.357 ± 0.371 χ^2/NDF : 64580.7/16

Left Out: 1257.676 ± 0.540 χ^2/NDF : 13450.2/3

Right Out: 1314.682 ± 0.350 χ^2/NDF : 80983.6/18

Left In: 1348.163 ± 0.773 χ^2/NDF : 120.9/1

Left: 1287.371 ± 0.443 χ^2/NDF : 22788.7/5

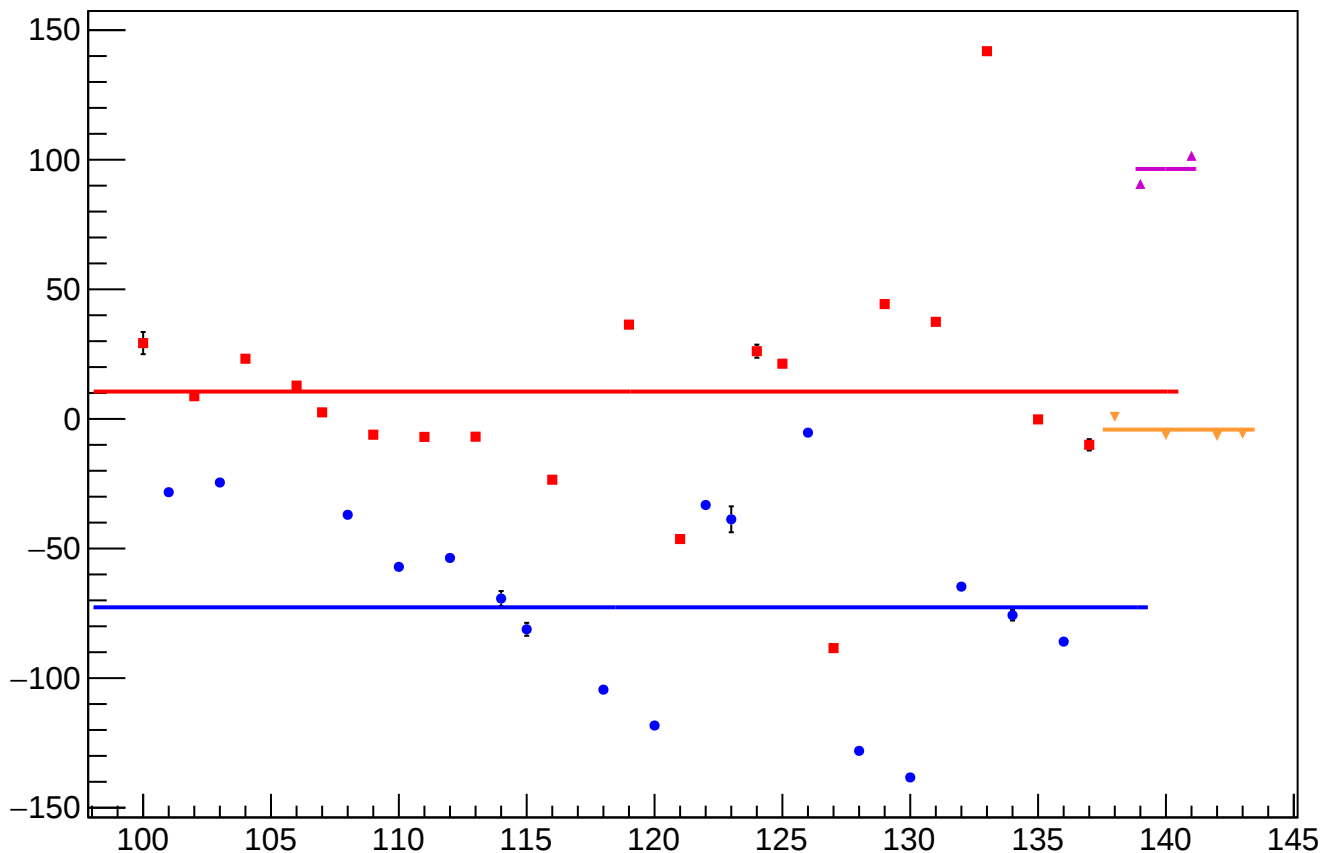
Right: 1331.041 ± 0.255 χ^2/NDF : 150189.5/35

In: 1349.134 ± 0.334 χ^2/NDF : 64703.5/18

Out: 1297.801 ± 0.294 χ^2/NDF : 102280.3/22

All: 1320.186 ± 0.221 χ^2/NDF : 180295.1/41

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.674 $\pm$ 0.363 χ^2/NDF : 11603.9/16

Left Out: -4.116 $\pm$ 0.562 χ^2/NDF : 31.2/3

Right Out: 10.552 $\pm$ 0.353 χ^2/NDF : 18145.5/18

Left In: 96.443 $\pm$ 0.741 χ^2/NDF : 53.3/1

Left: 32.653 $\pm$ 0.448 χ^2/NDF : 11776.6/5

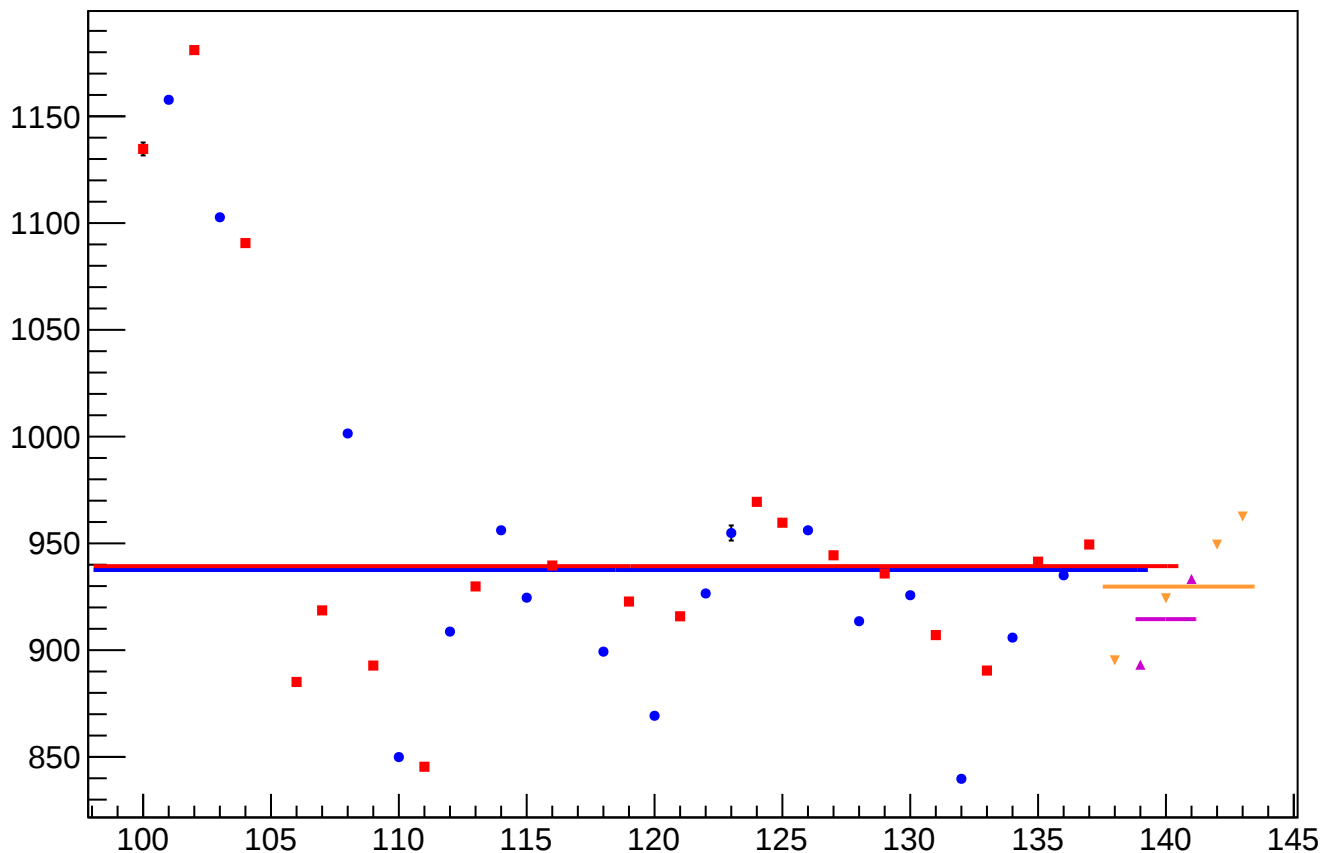
Right: -29.893 $\pm$ 0.253 χ^2/NDF : 56765.3/35

In: -39.918 $\pm$ 0.326 χ^2/NDF : 53690.3/18

Out: 6.406 $\pm$ 0.299 χ^2/NDF : 18664.9/22

All: -14.757 $\pm$ 0.220 χ^2/NDF : 83323.6/41

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.550 ± 0.257 χ^2/NDF : 98231.3/16

Left Out: 929.758 ± 0.398 χ^2/NDF : 4409.7/3

Right Out: 939.341 ± 0.250 χ^2/NDF : 90084.9/18

Left In: 914.525 ± 0.524 χ^2/NDF : 1462.2/1

Left: 924.188 ± 0.317 χ^2/NDF : 6408.4/5

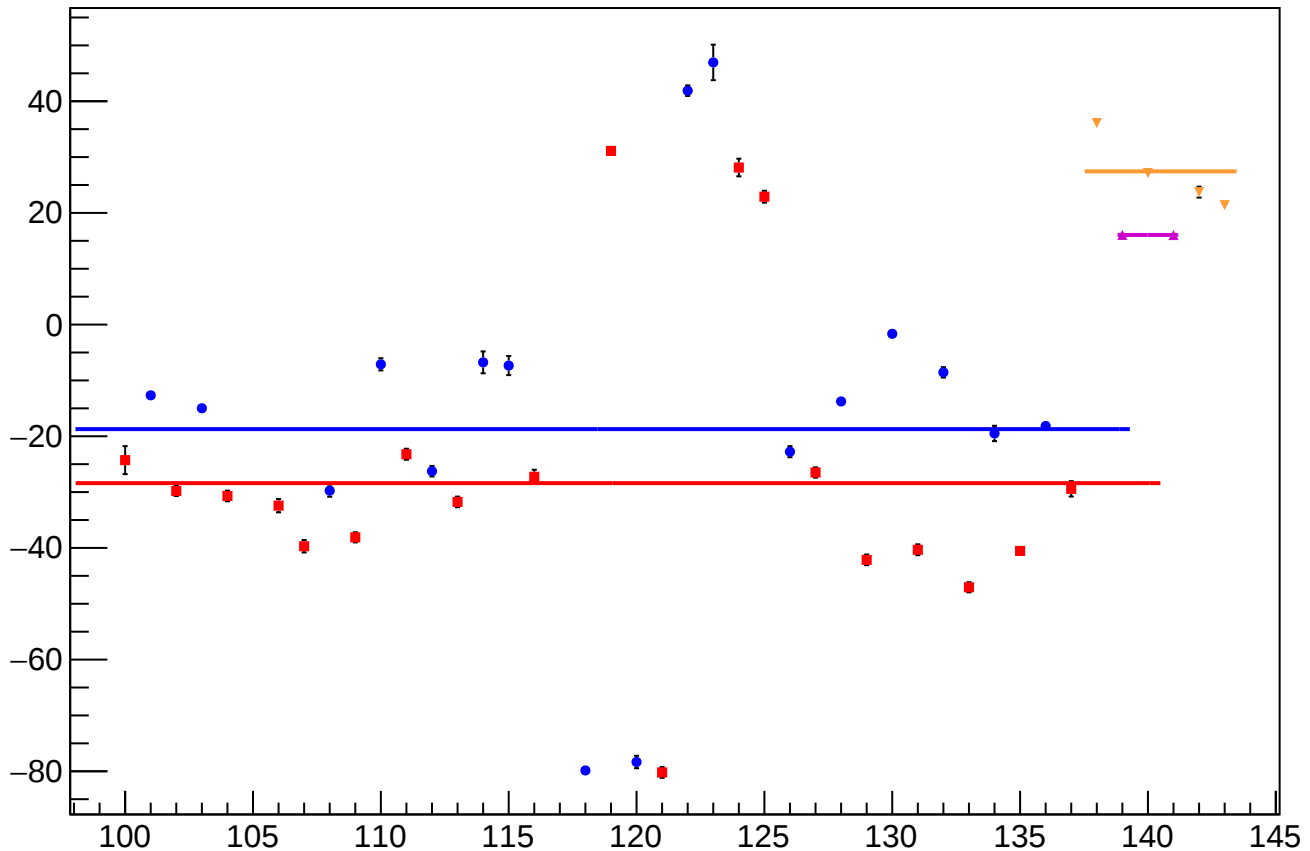
Right: 938.471 ± 0.179 χ^2/NDF : 188341.3/35

In: 933.090 ± 0.231 χ^2/NDF : 101251.8/18

Out: 936.633 ± 0.211 χ^2/NDF : 94911.3/22

All: 935.014 ± 0.156 χ^2/NDF : 196291.3/41

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -18.723 ± 0.243 $\chi^2/\text{NDF}: 12999.6/16$

Left Out: 27.443 ± 0.387 $\chi^2/\text{NDF}: 220.5/3$

Right Out: -28.395 ± 0.236 $\chi^2/\text{NDF}: 12424.6/18$

Left In: 16.055 ± 0.527 $\chi^2/\text{NDF}: 0.0/1$

Left: 23.460 ± 0.312 $\chi^2/\text{NDF}: 523.5/5$

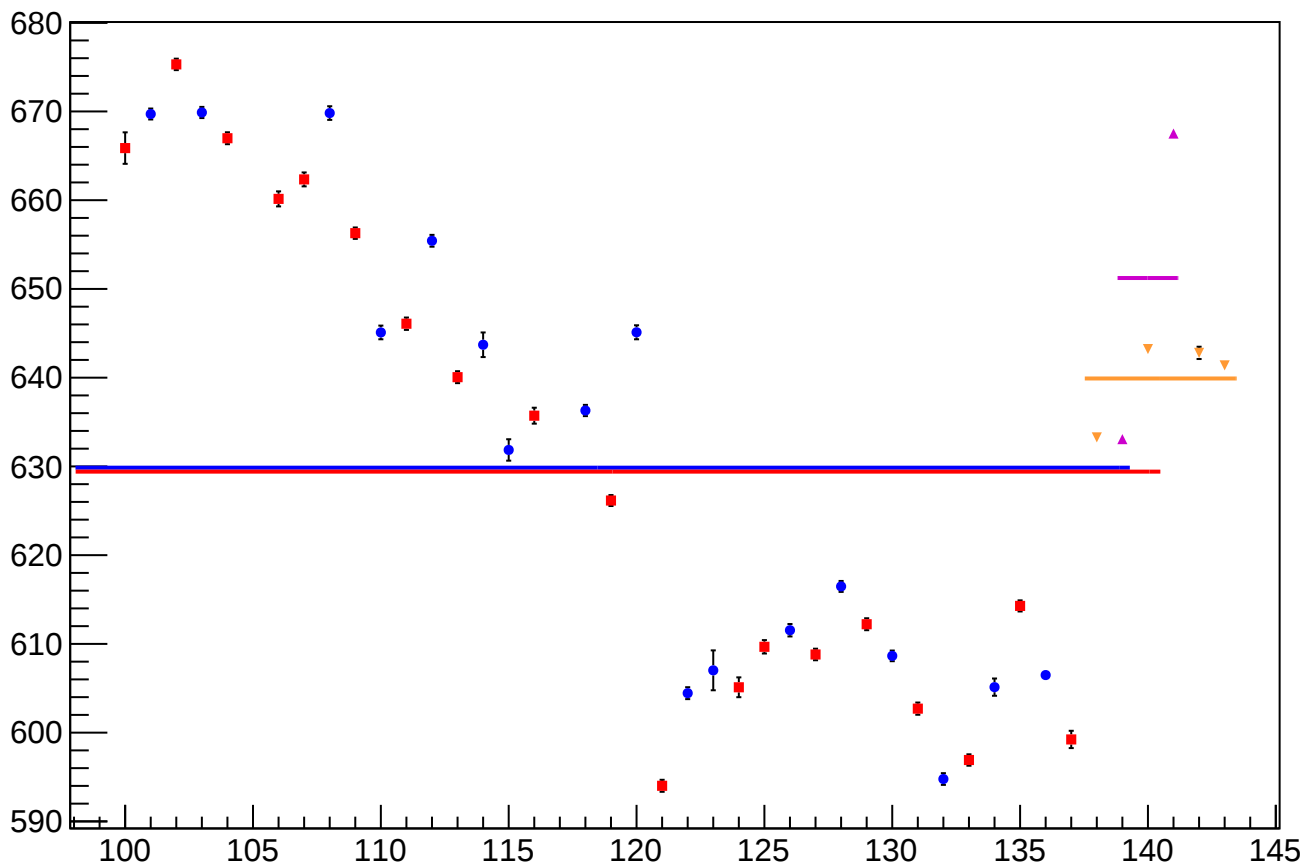
Right: -23.705 ± 0.169 $\chi^2/\text{NDF}: 26239.5/35$

In: -12.629 ± 0.221 $\chi^2/\text{NDF}: 16585.3/18$

Out: -13.261 ± 0.201 $\chi^2/\text{NDF}: 27833.8/22$

All: -12.974 ± 0.149 $\chi^2/\text{NDF}: 44423.5/41$

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.857 $\pm$ 0.172 χ^2 /NDF: 23252.7/16

Left Out: 639.909 $\pm$ 0.274 χ^2 /NDF:229.5/3

Right Out: 629.413 $\pm$ 0.167 χ^2 /NDF: 25484.3/18

Left In: 651.230 $\pm$ 0.373 χ^2 /NDF:2124.4/1

Left: 643.868 $\pm$ 0.221 χ^2 /NDF: 2953.0/5

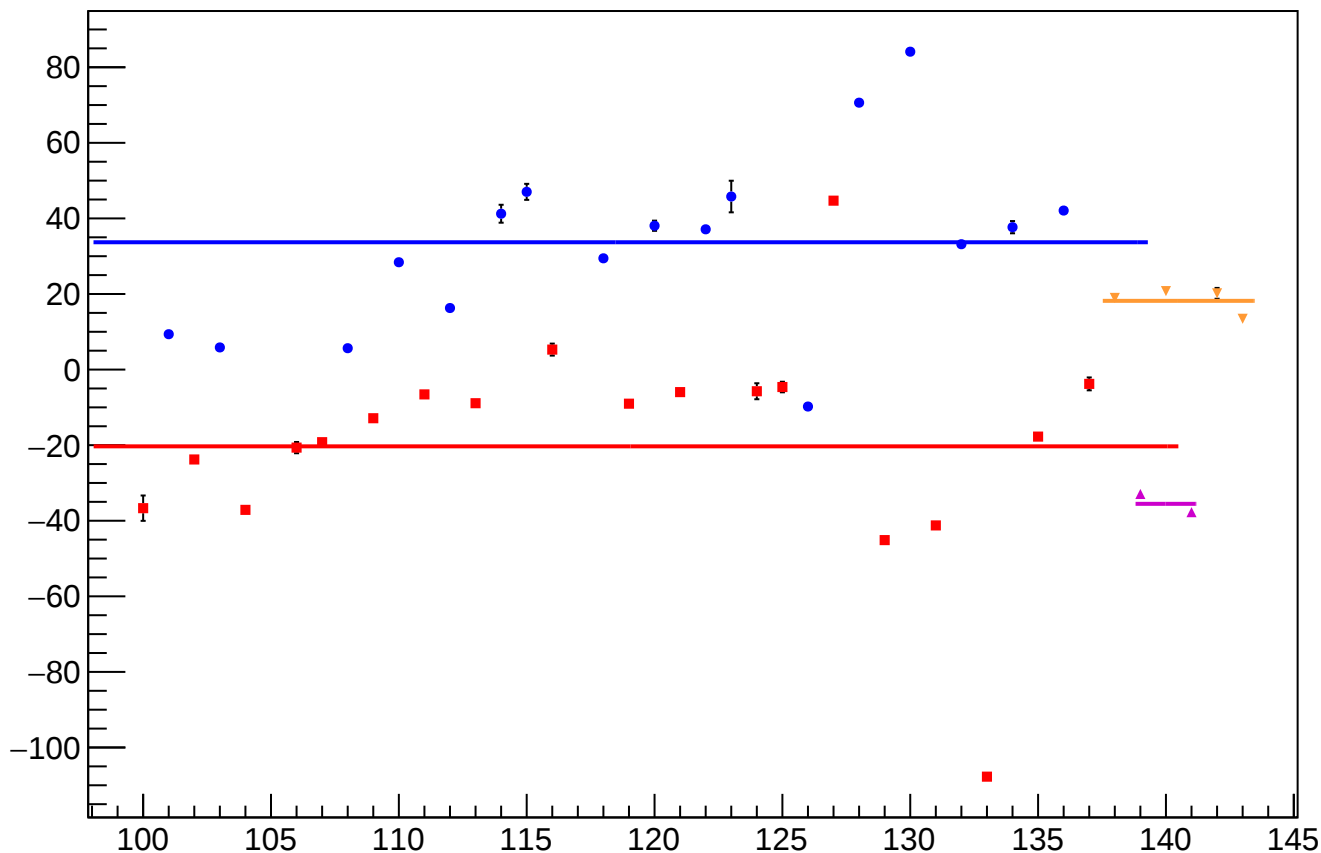
Right: 629.628 $\pm$ 0.120 χ^2 /NDF: 48740.5/35

In: 633.602 $\pm$ 0.156 χ^2 /NDF:28085.5/18

Out: 632.258 $\pm$ 0.142 χ^2 /NDF:26787.3/22

All: 632.868 $\pm$ 0.105 χ^2 /NDF: 54913.2/41

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 33.692+/-0.300 χ^2/NDF : 6428.2/16

Left Out: 18.189+/-0.586 χ^2/NDF : 25.8/3

Right Out: -20.314+/-0.293 χ^2/NDF : 11278.0/18

Left In: -35.527+/-0.787 χ^2/NDF : 9.3/1

Left: -0.981+/-0.470 χ^2/NDF : 3033.6/5

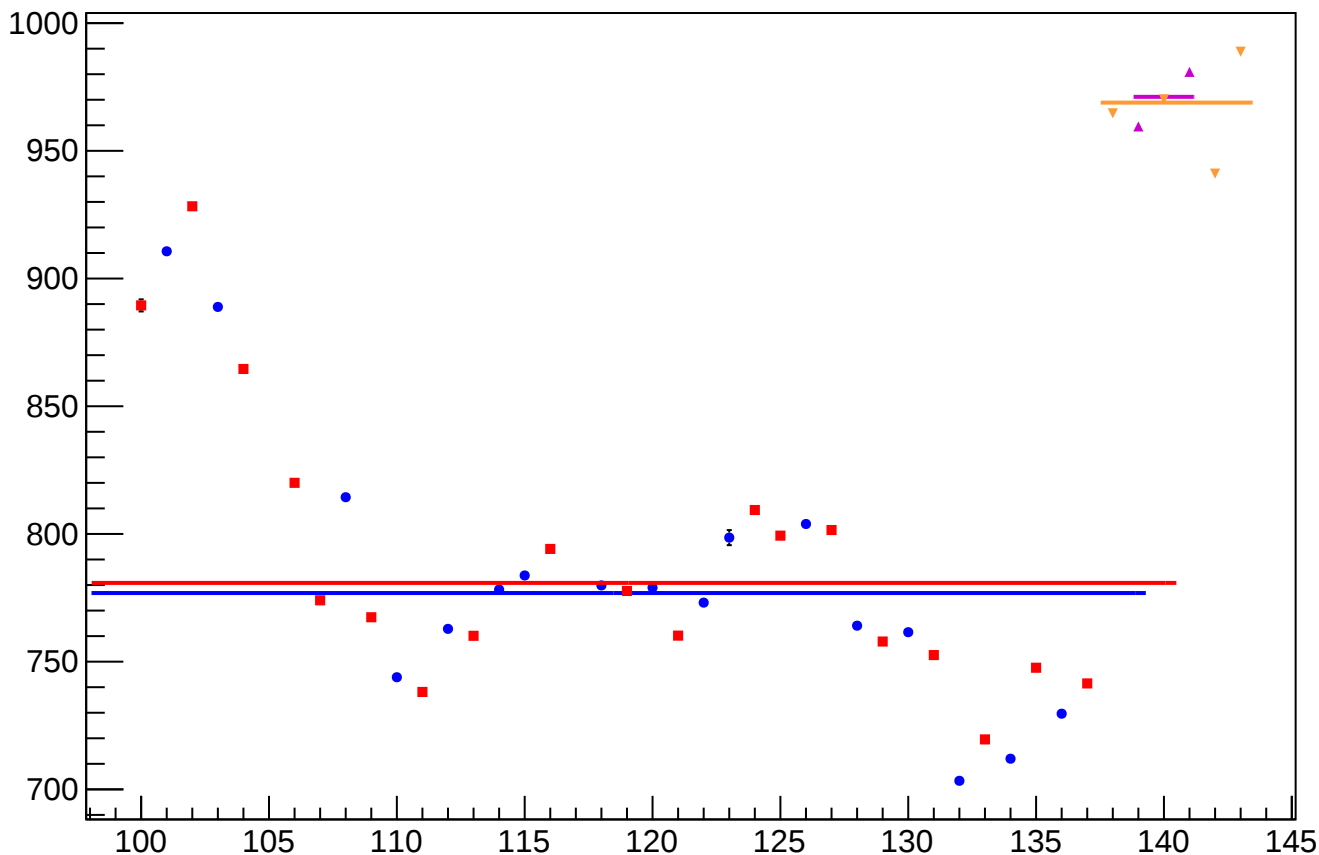
Right: 6.016+/-0.210 χ^2/NDF : 34265.5/35

In: 24.882+/-0.281 χ^2/NDF : 13194.0/18

Out: -12.612+/-0.262 χ^2/NDF : 14757.0/22

All: 4.854+/-0.192 χ^2/NDF : 37483.9/41

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 776.869 ± 0.212 $\chi^2/\text{NDF}: 67447.3/16$

Left Out: 968.888 ± 0.414 $\chi^2/\text{NDF}: 1409.8/3$

Right Out: 780.840 ± 0.207 $\chi^2/\text{NDF}: 57297.9/18$

Left In: 971.143 ± 0.556 $\chi^2/\text{NDF}: 365.7/1$

Left: 969.693 ± 0.332 $\chi^2/\text{NDF}: 1786.1/5$

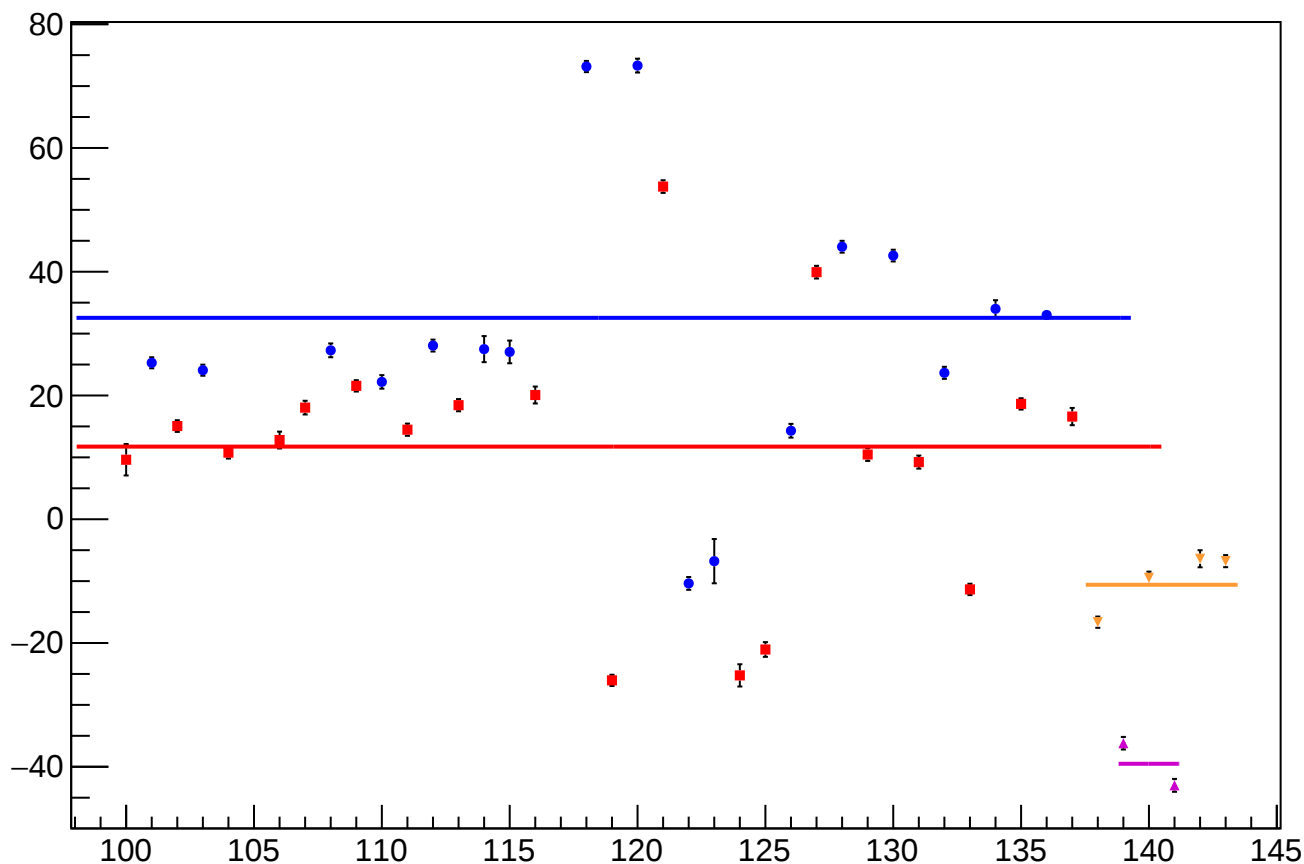
Right: 778.904 ± 0.148 $\chi^2/\text{NDF}: 124924.2/35$

In: 801.597 ± 0.198 $\chi^2/\text{NDF}: 174260.6/18$

Out: 818.454 ± 0.185 $\chi^2/\text{NDF}: 223449.7/22$

All: 810.601 ± 0.135 $\chi^2/\text{NDF}: 401564.2/41$

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.550 $\pm$ 0.253 χ^2/NDF : 6077.4/16

Left Out: -10.592 $\pm$ 0.515 χ^2/NDF : 69.9/3

Right Out: 11.737 $\pm$ 0.247 χ^2/NDF : 6313.2/18

Left In: -39.519 $\pm$ 0.728 χ^2/NDF : 21.8/1

Left: -20.230 $\pm$ 0.420 χ^2/NDF : 1143.2/5

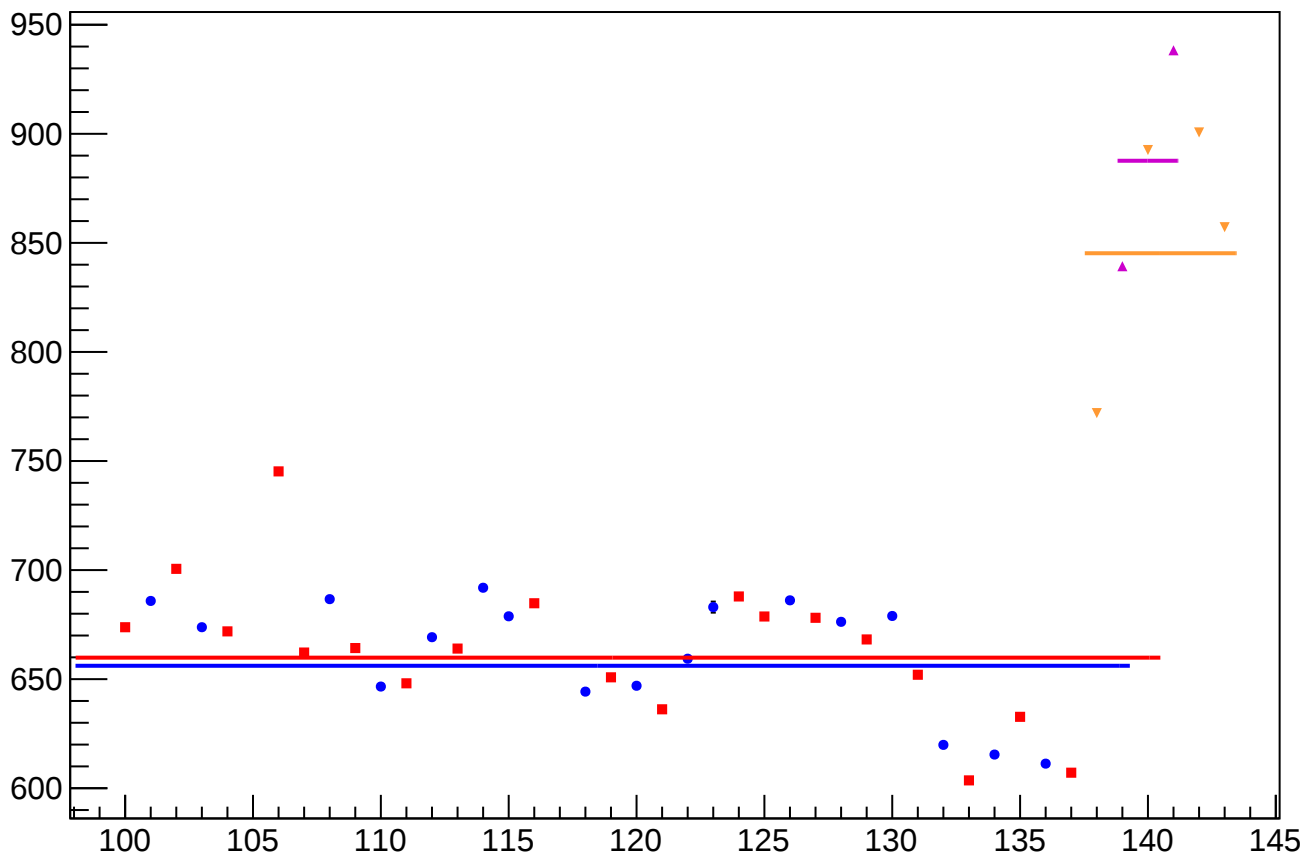
Right: 21.899 $\pm$ 0.177 χ^2/NDF : 15845.9/35

In: 24.777 $\pm$ 0.239 χ^2/NDF : 14831.0/18

Out: 7.549 $\pm$ 0.223 χ^2/NDF : 7910.9/22

All: 15.559 $\pm$ 0.163 χ^2/NDF : 25516.7/41

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 656.132 $\pm$ 0.179 χ^2 /NDF: 23518.0/16

Left Out: 845.251 $\pm$ 0.364 χ^2 /NDF: 20977.9/3

Right Out: 659.855 $\pm$ 0.175 χ^2 /NDF: 28270.5/18

Left In: 887.647 $\pm$ 0.515 χ^2 /NDF: 9228.8/1

Left: 859.376 $\pm$ 0.297 χ^2 /NDF: 34723.6/5

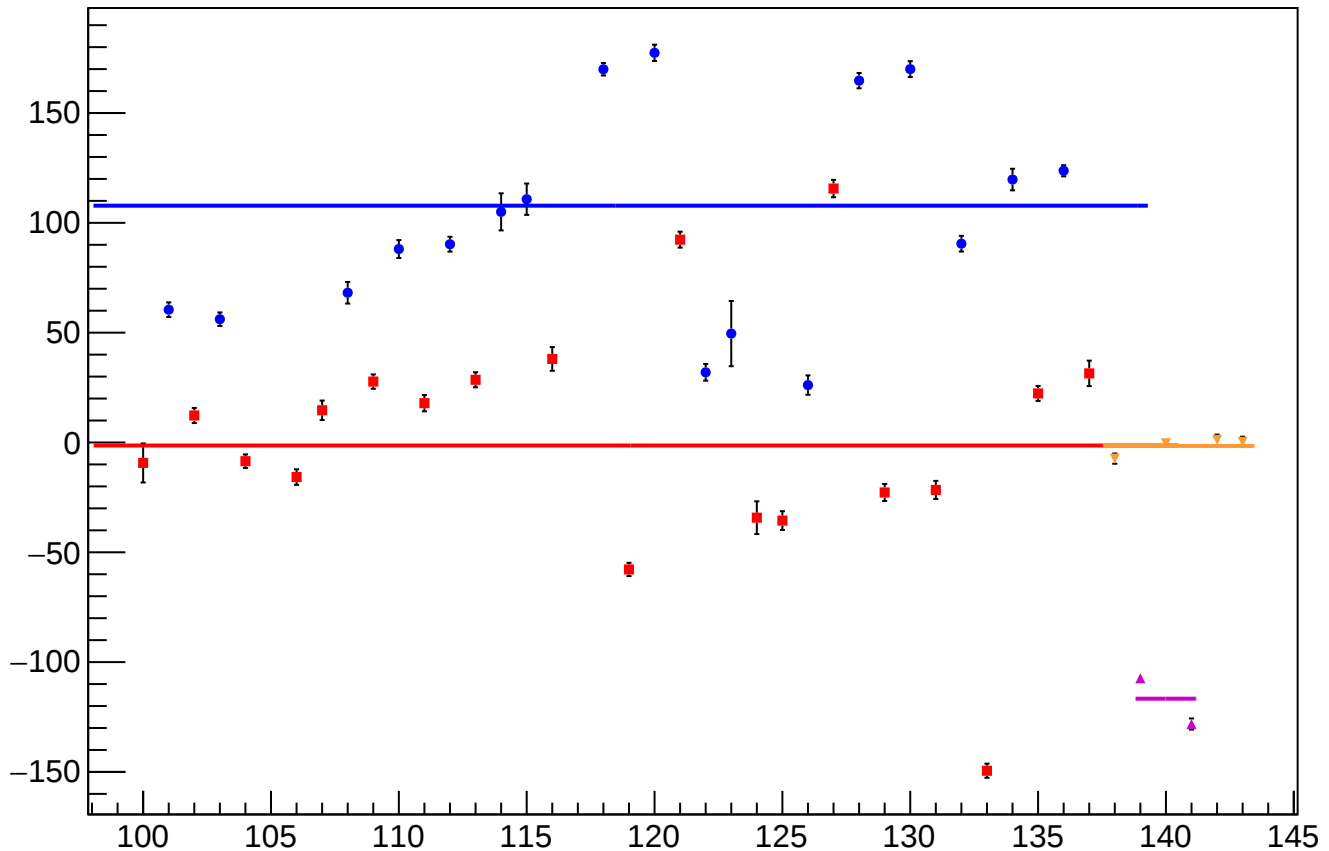
Right: 658.037 $\pm$ 0.125 χ^2 /NDF: 52009.7/35

In: 681.101 $\pm$ 0.169 χ^2 /NDF: 212963.2/18

Out: 694.629 $\pm$ 0.158 χ^2 /NDF: 259887.3/22

All: 688.339 $\pm$ 0.115 χ^2 /NDF: 476272.2/41

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.816 $\pm$ 0.923 χ^2 /NDF: 2815.8/16

Left Out: -1.582 $\pm$ 1.163 χ^2 /NDF: 8.3/3

Right Out: -1.388 $\pm$ 0.885 χ^2 /NDF: 4515.0/18

Left In: -116.656 $\pm$ 1.694 χ^2 /NDF: 37.5/1

Left: -38.436 $\pm$ 0.959 χ^2 /NDF: 3183.3/5

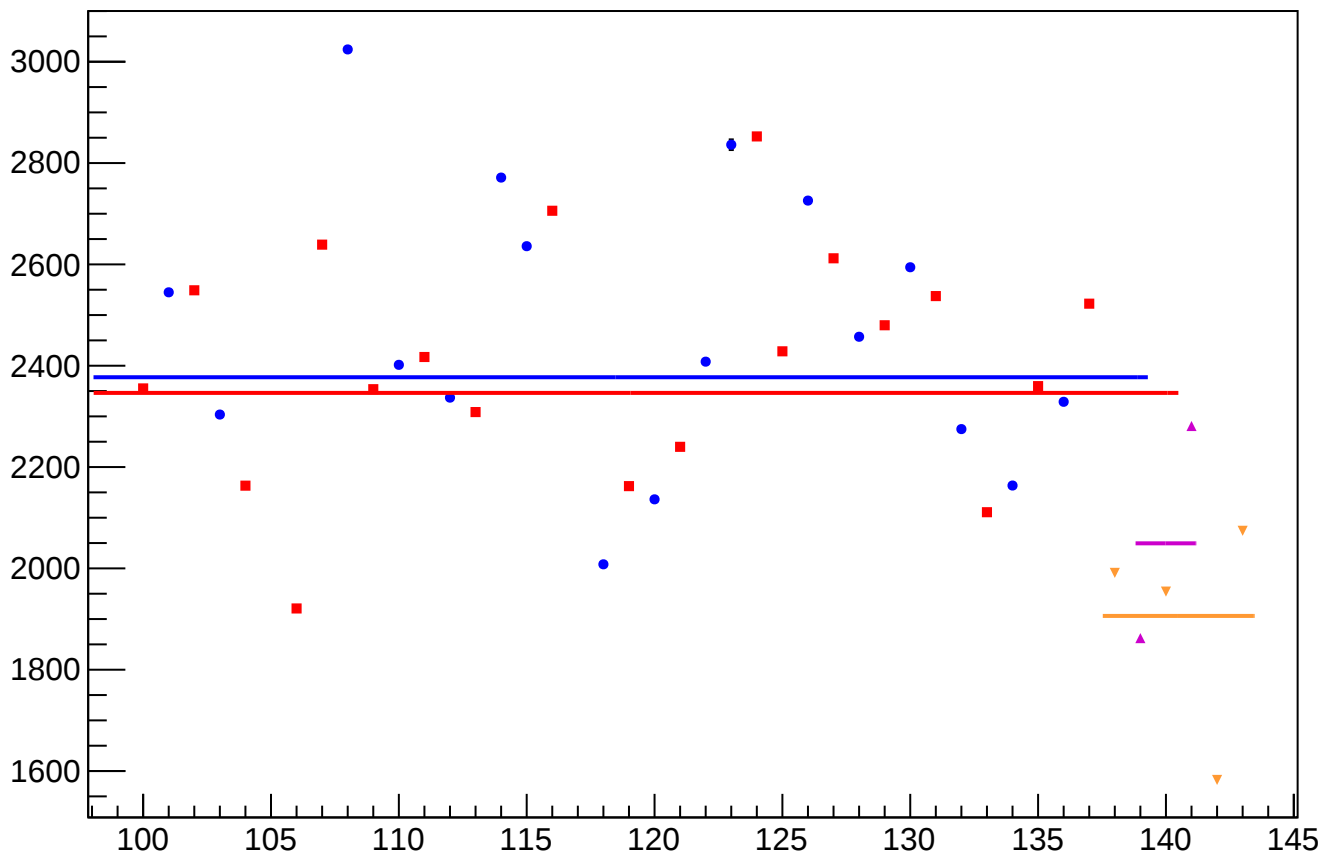
Right: 50.907 $\pm$ 0.639 χ^2 /NDF: 14624.3/35

In: 56.413 $\pm$ 0.811 χ^2 /NDF: 16394.8/18

Out: -1.459 $\pm$ 0.704 χ^2 /NDF: 4523.4/22

All: 23.432 $\pm$ 0.532 χ^2 /NDF: 23823.6/41

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2377.271 ± 0.653 $\chi^2/\text{NDF}: 119441.2/16$

Left Out: 1906.164 ± 0.822 $\chi^2/\text{NDF}: 49726.9/3$

Right Out: 2346.354 ± 0.626 $\chi^2/\text{NDF}: 108612.6/18$

Left In: 2049.443 ± 1.198 $\chi^2/\text{NDF}: 30203.0/1$

Left: 1952.051 ± 0.678 $\chi^2/\text{NDF}: 89657.9/5$

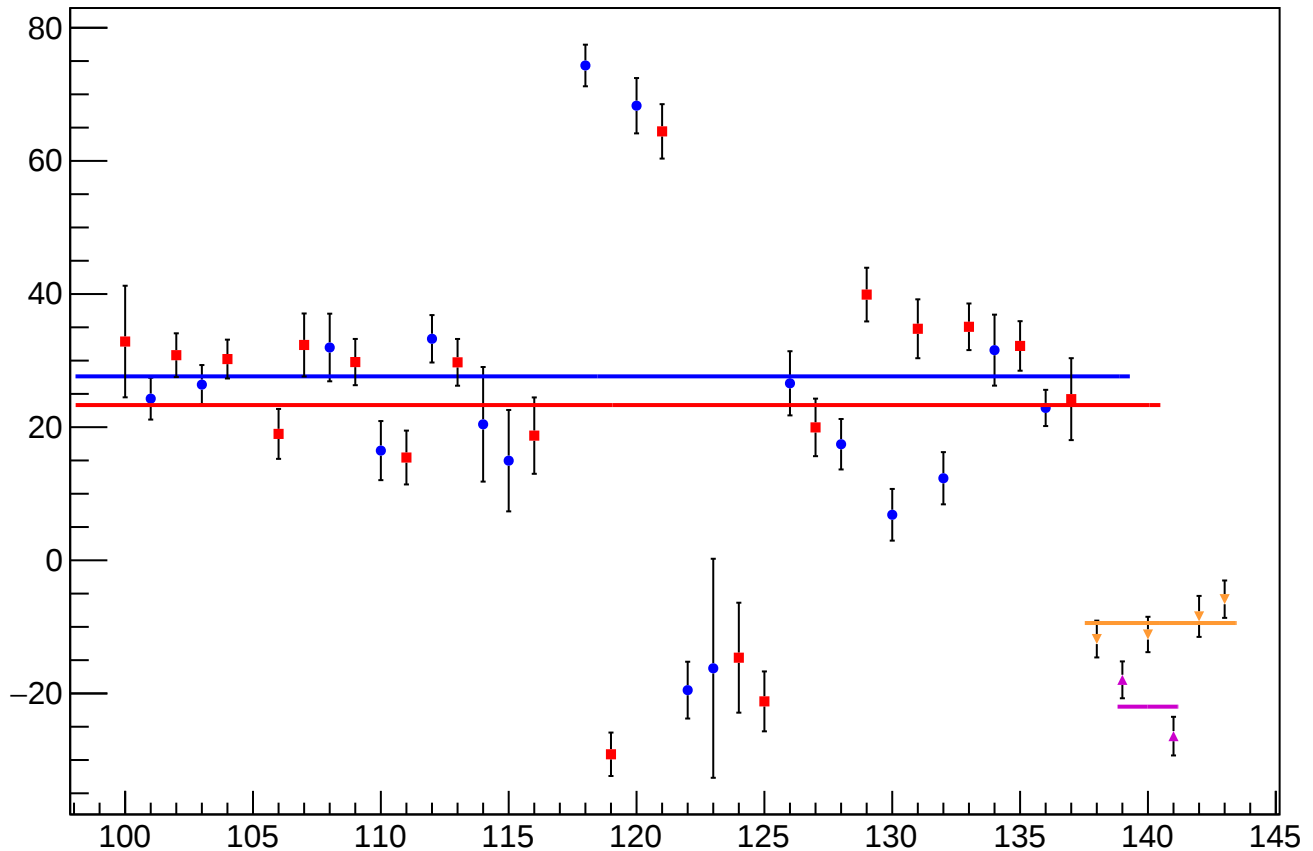
Right: 2361.159 ± 0.452 $\chi^2/\text{NDF}: 229223.0/35$

In: 2302.200 ± 0.573 $\chi^2/\text{NDF}: 207409.8/18$

Out: 2184.892 ± 0.498 $\chi^2/\text{NDF}: 339881.9/22$

All: 2235.346 ± 0.376 $\chi^2/\text{NDF}: 571167.5/41$

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.633+/-0.976 χ^2 /NDF: 517.1/16

Left Out: -9.419+/-1.407 χ^2 /NDF:2.9/3

Right Out: 23.322+/-0.929 χ^2 /NDF: 548.2/18

Left In: -21.985+/-2.004 χ^2 /NDF:4.4/1

Left: -13.571+/-1.152 χ^2 /NDF: 33.7/5

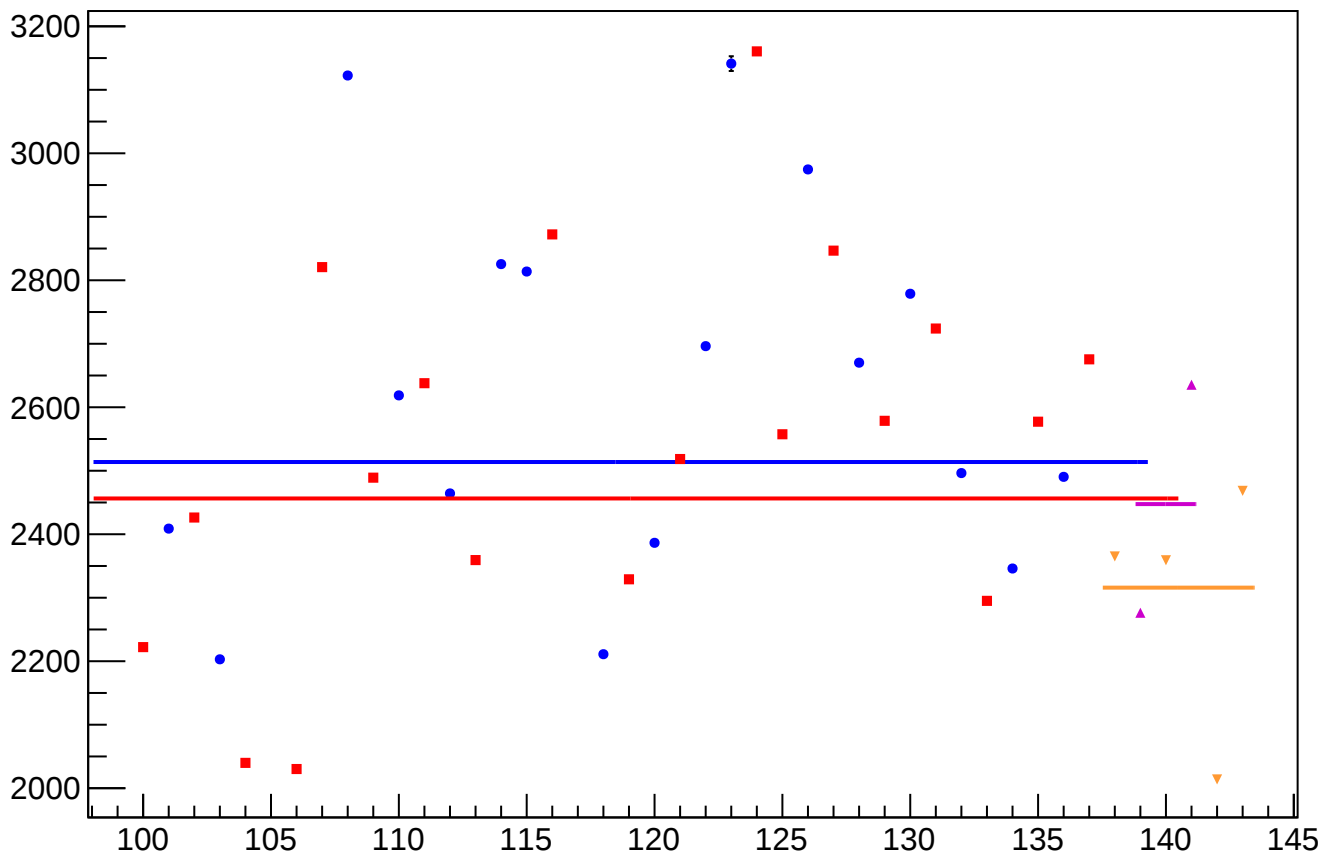
Right: 25.369+/-0.673 χ^2 /NDF: 1075.6/35

In: 18.113+/-0.878 χ^2 /NDF:1017.1/18

Out: 13.393+/-0.775 χ^2 /NDF:928.2/22

All: 15.461+/-0.581 χ^2 /NDF: 1961.5/41

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2513.762 $\pm$ 0.690 χ^2/NDF : 120863.4/16

Left Out: 2315.897 $\pm$ 0.995 χ^2/NDF : 26303.6/3

Right Out: 2456.343 $\pm$ 0.657 χ^2/NDF : 149877.3/18

Left In: 2447.483 $\pm$ 1.417 χ^2/NDF : 16024.0/1

Left: 2359.367 $\pm$ 0.814 χ^2/NDF : 48103.1/5

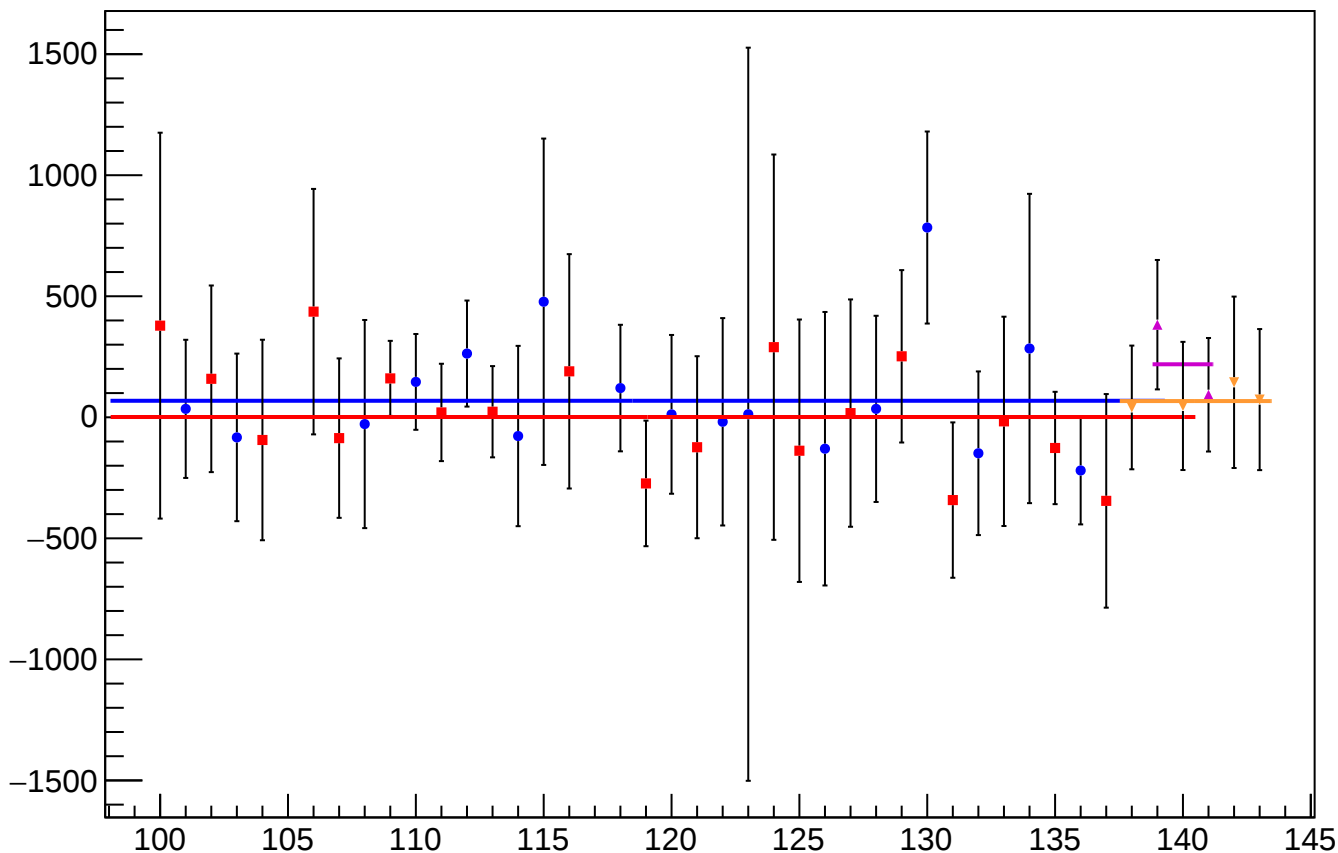
Right: 2483.612 $\pm$ 0.476 χ^2/NDF : 274372.9/35

In: 2501.046 $\pm$ 0.621 χ^2/NDF : 138655.7/18

Out: 2413.752 $\pm$ 0.548 χ^2/NDF : 190057.4/22

All: 2451.997 $\pm$ 0.411 χ^2/NDF : 339829.0/41

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 68.238 $\pm$ 79.240 χ^2 /NDF: 7.4/16

Left Out: 67.028 $\pm$ 142.354 χ^2 /NDF:0.1/3

Right Out: 1.201 $\pm$ 69.991 χ^2 /NDF: 6.5/18

Left In: 219.009 $\pm$ 176.281 χ^2 /NDF:0.7/1

Left: 127.018 $\pm$ 110.751 χ^2 /NDF: 1.2/5

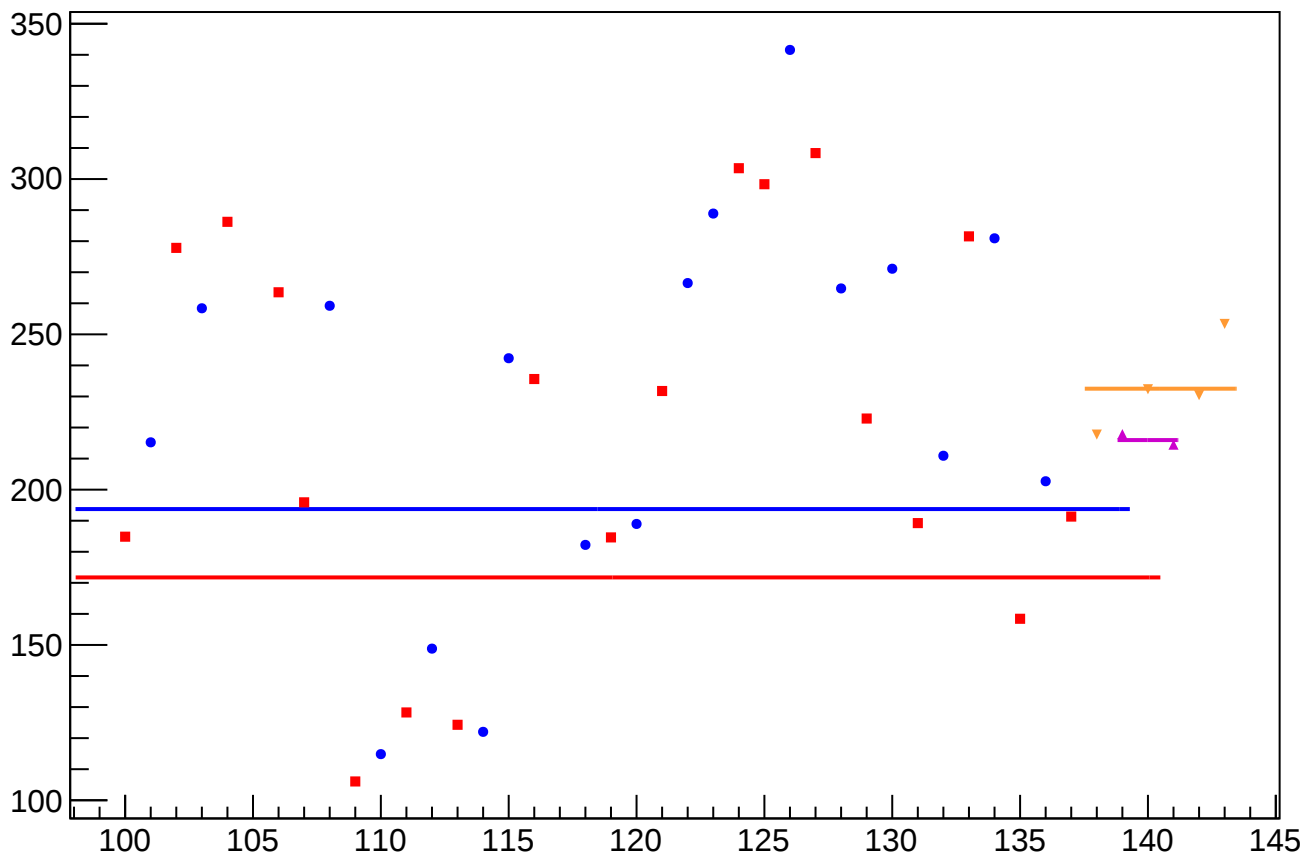
Right: 30.580 $\pm$ 52.458 χ^2 /NDF: 14.3/35

In: 93.582 $\pm$ 72.274 χ^2 /NDF:8.7/18

Out: 14.015 $\pm$ 62.810 χ^2 /NDF:6.7/22

All: 48.251 $\pm$ 47.409 χ^2 /NDF: 16.1/41

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.749 $\pm$ 0.056 χ^2 /NDF: 1011115.2/16

Left Out: 232.506 $\pm$ 0.101 χ^2 /NDF:17004.1/3

Right Out: 171.741 $\pm$ 0.049 χ^2 /NDF: 1571422.7/18

Left In: 215.964 $\pm$ 0.125 χ^2 /NDF:182.7/1

Left: 225.977 $\pm$ 0.078 χ^2 /NDF: 27846.3/5

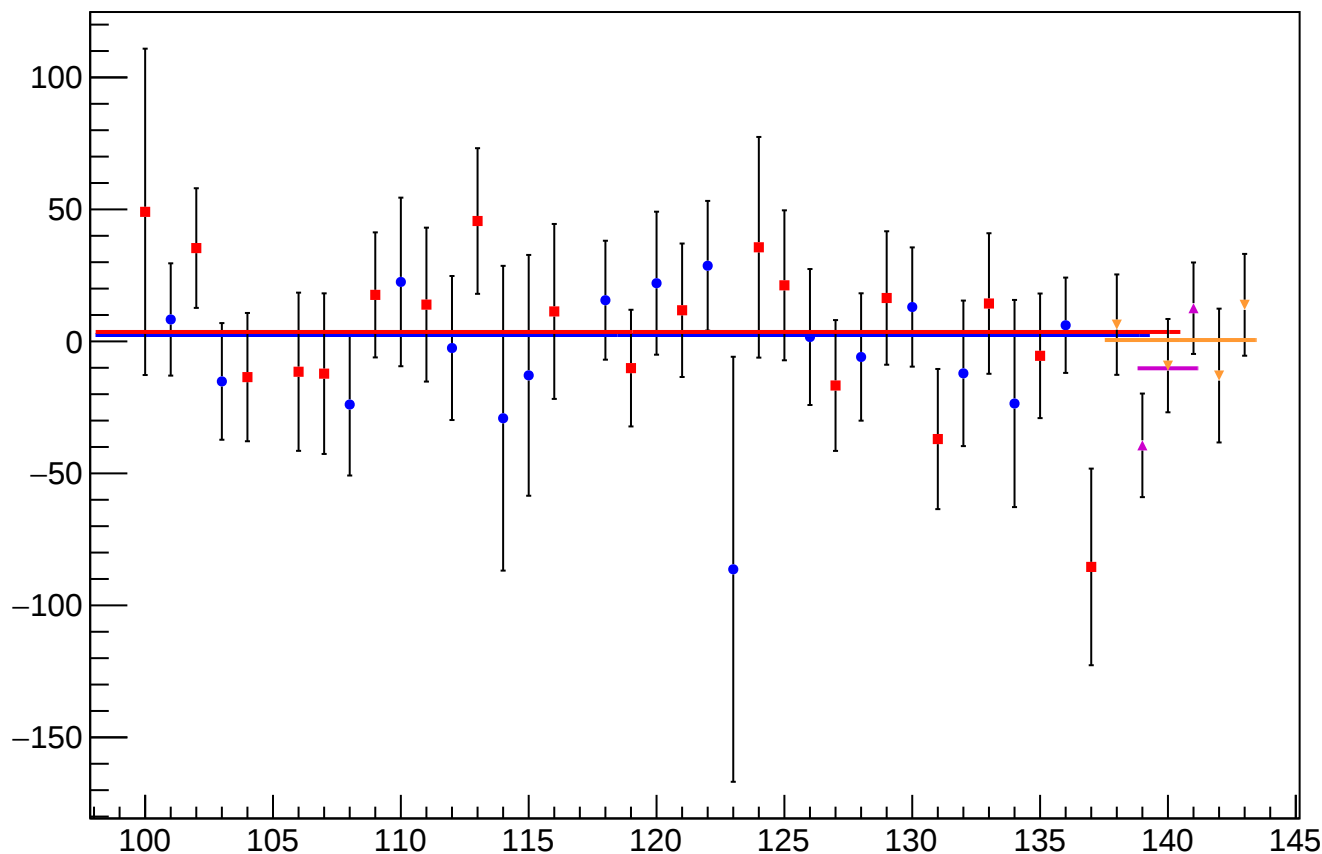
Right: 181.386 $\pm$ 0.037 χ^2 /NDF: 2669200.7/35

In: 197.483 $\pm$ 0.051 χ^2 /NDF:1037721.8/18

Out: 183.571 $\pm$ 0.044 χ^2 /NDF:1881898.2/22

All: 189.557 $\pm$ 0.034 χ^2 /NDF: 2961843.3/41

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.423+/-6.440 χ^2/NDF : 6.8/16

Left Out: 0.516+/-9.896 χ^2/NDF :1.2/3

Right Out: 3.569+/-6.294 χ^2/NDF : 17.1/18

Left In: -10.193+/-12.986 χ^2/NDF :3.9/1

Left: -3.418+/-7.871 χ^2/NDF : 5.5/5

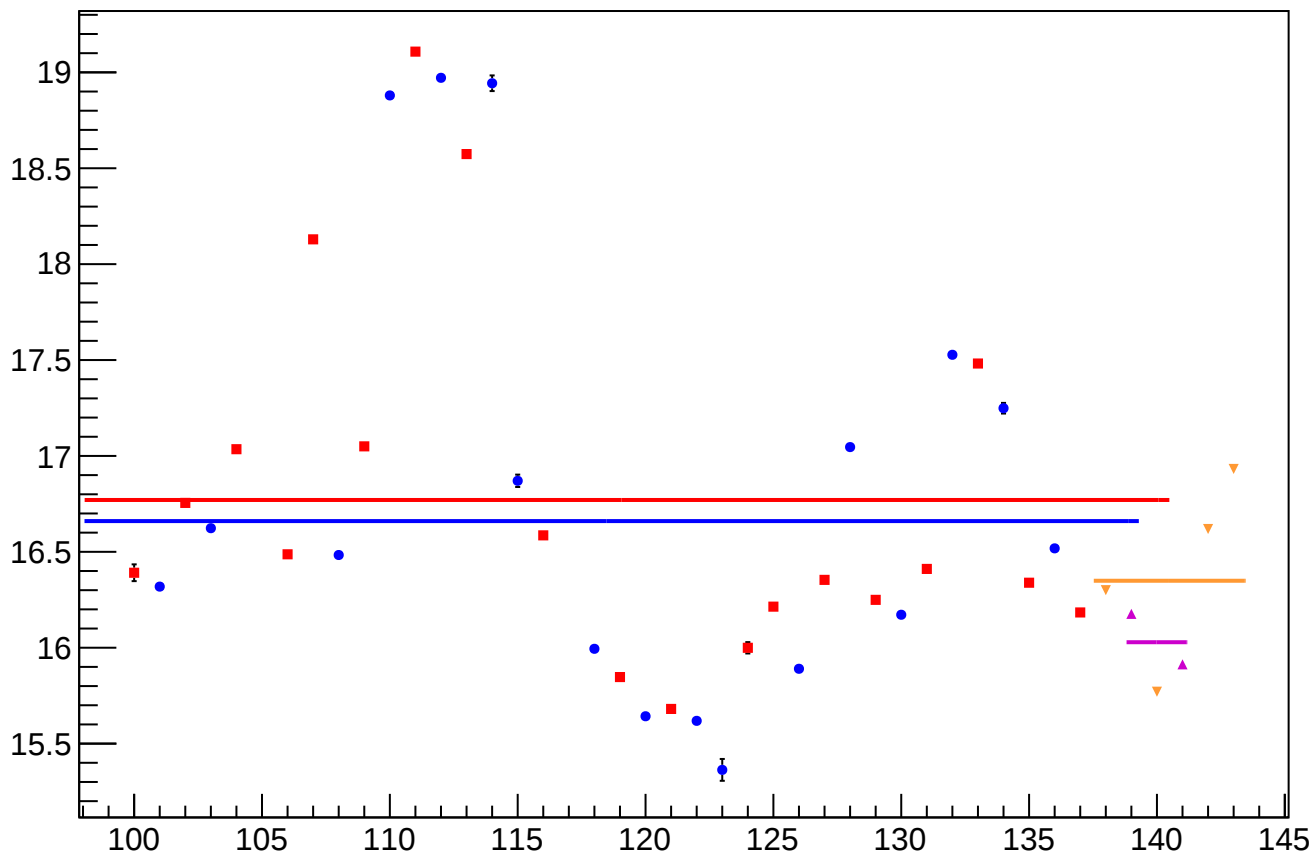
Right: 3.009+/-4.501 χ^2/NDF : 24.0/35

In: -0.068+/-5.770 χ^2/NDF :11.5/18

Out: 2.690+/-5.311 χ^2/NDF :18.4/22

All: 1.425+/-3.907 χ^2/NDF : 30.0/41

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.660+/-0.005 χ^2/NDF : 42269.4/16

Left Out: 16.349+/-0.007 χ^2/NDF : 4210.6/3

Right Out: 16.770+/-0.004 χ^2/NDF : 39259.2/18

Left In: 16.029+/-0.009 χ^2/NDF : 202.4/1

Left: 16.231+/-0.006 χ^2/NDF : 5183.6/5

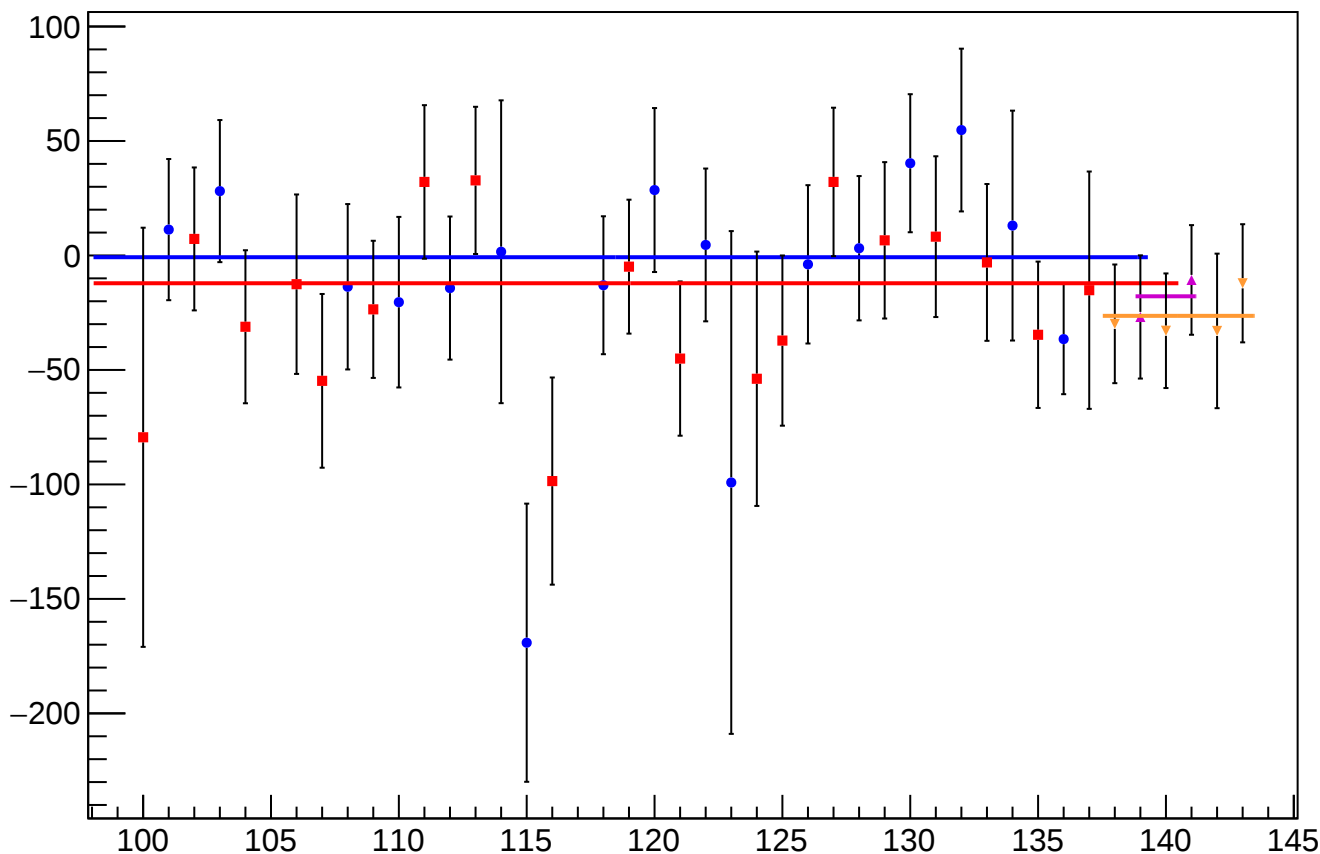
Right: 16.717+/-0.003 χ^2/NDF : 81827.4/35

In: 16.536+/-0.004 χ^2/NDF : 46268.8/18

Out: 16.649+/-0.004 χ^2/NDF : 46049.2/22

All: 16.597+/-0.003 χ^2/NDF : 92736.5/41

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.764 ± 8.505 χ^2/NDF : 17.6/16

Left Out: -26.371 ± 13.527 χ^2/NDF : 0.4/3

Right Out: -12.135 ± 8.228 χ^2/NDF : 15.1/18

Left In: -17.832 ± 17.889 χ^2/NDF : 0.2/1

Left: -23.265 ± 10.790 χ^2/NDF : 0.8/5

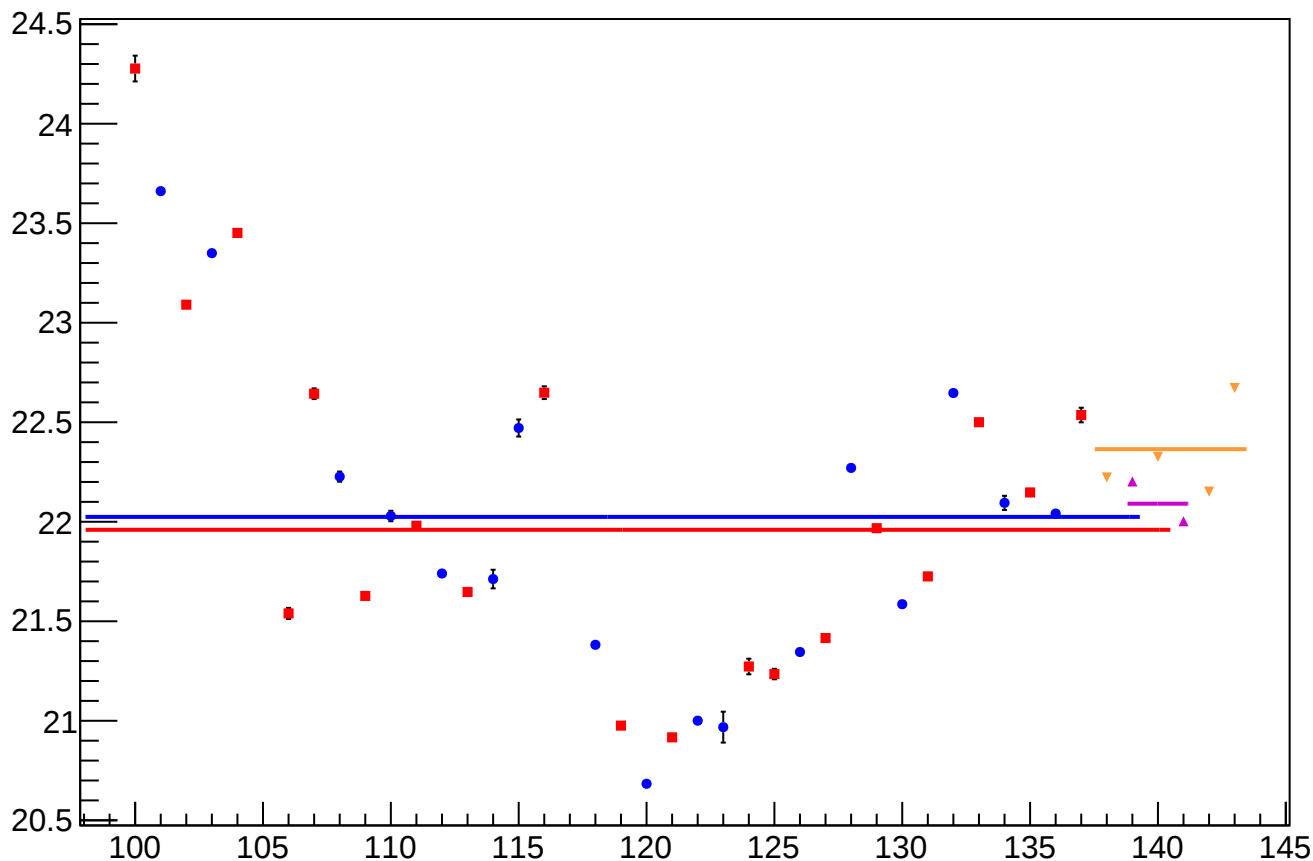
Right: -6.638 ± 5.914 χ^2/NDF : 33.6/35

In: -3.911 ± 7.681 χ^2/NDF : 18.5/18

Out: -15.980 ± 7.030 χ^2/NDF : 16.3/22

All: -10.479 ± 5.186 χ^2/NDF : 36.2/41

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.024 $\pm$ 0.006 χ^2 /NDF: 17381.0/16

Left Out: 22.365 $\pm$ 0.010 χ^2 /NDF: 428.6/3

Right Out: 21.960 $\pm$ 0.006 χ^2 /NDF: 16383.4/18

Left In: 22.091 $\pm$ 0.013 χ^2 /NDF: 61.7/1

Left: 22.265 $\pm$ 0.008 χ^2 /NDF: 788.8/5

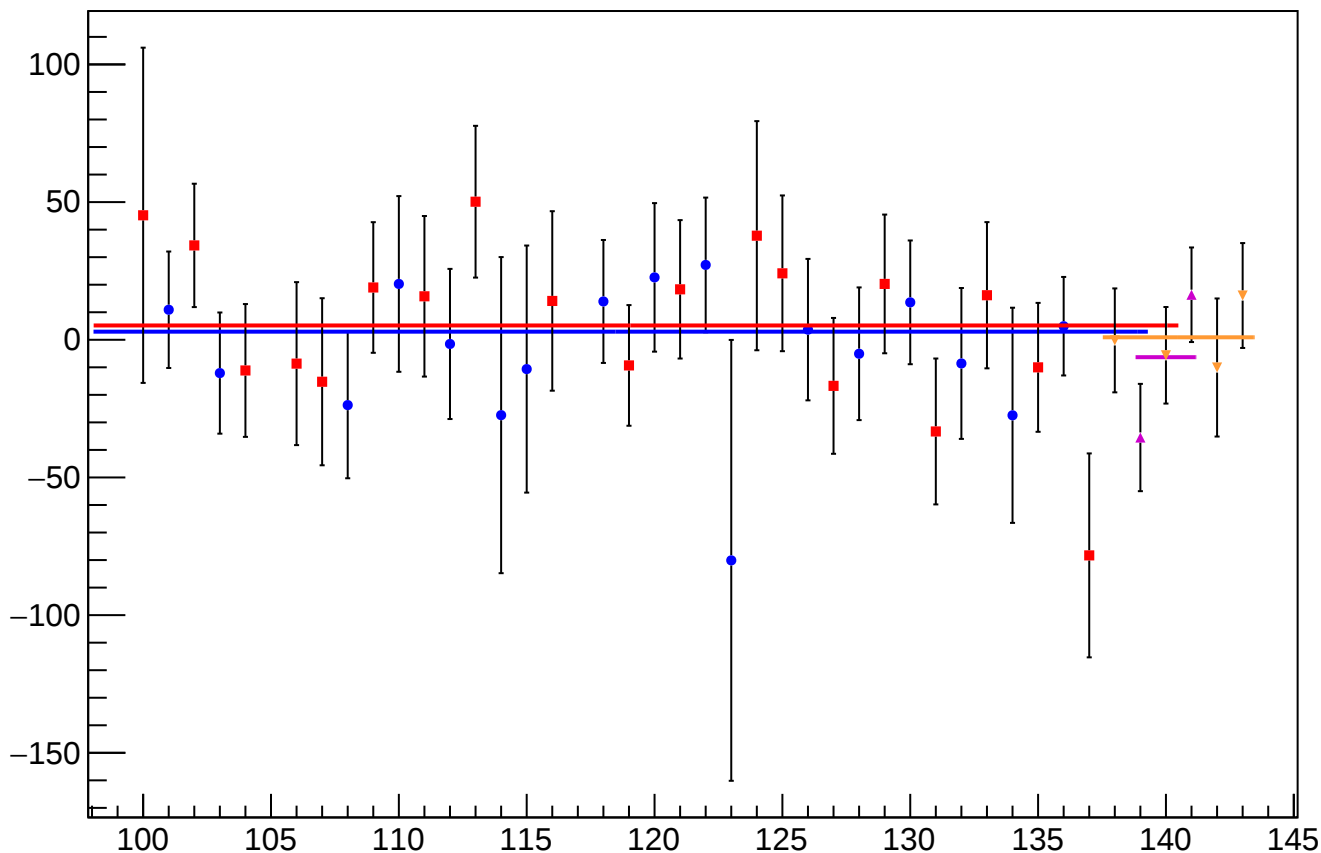
Right: 21.991 $\pm$ 0.004 χ^2 /NDF: 33824.6/35

In: 22.037 $\pm$ 0.005 χ^2 /NDF: 17465.1/18

Out: 22.069 $\pm$ 0.005 χ^2 /NDF: 18122.4/22

All: 22.054 $\pm$ 0.004 χ^2 /NDF: 35606.8/41

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.948+/-6.404 χ^2/NDF : 6.3/16

Left Out: 0.900+/-9.803 χ^2/NDF :1.0/3

Right Out: 5.199+/-6.258 χ^2/NDF : 17.2/18

Left In: -6.319+/-12.884 χ^2/NDF :4.0/1

Left: -1.747+/-7.801 χ^2/NDF : 5.2/5

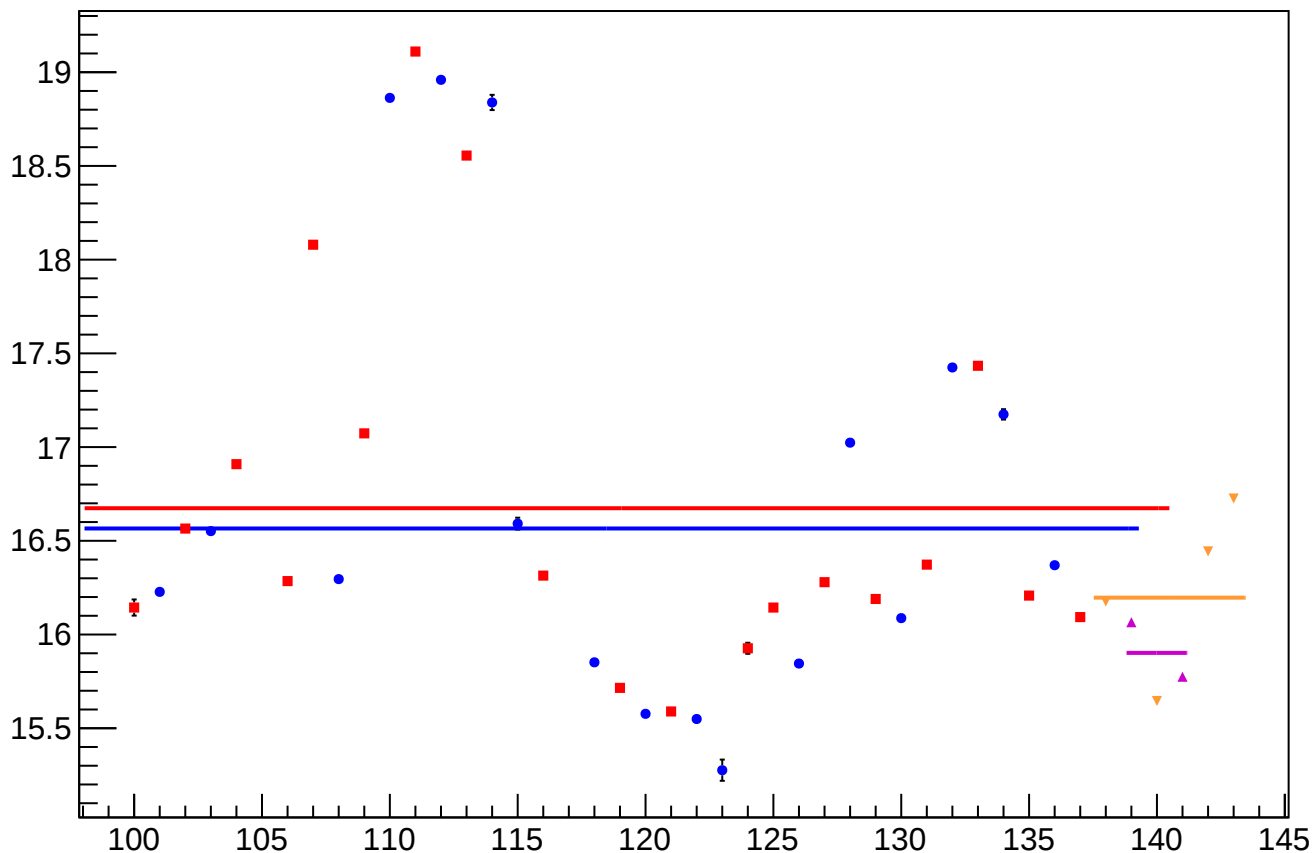
Right: 4.100+/-4.476 χ^2/NDF : 23.5/35

In: 1.112+/-5.735 χ^2/NDF :10.7/18

Out: 3.955+/-5.275 χ^2/NDF :18.3/22

All: 2.652+/-3.882 χ^2/NDF : 29.1/41

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.566 $\pm$ 0.005 χ^2 /NDF: 44242.8/16

Left Out: 16.197 $\pm$ 0.007 χ^2 /NDF: 3715.8/3

Right Out: 16.674 $\pm$ 0.004 χ^2 /NDF: 42453.5/18

Left In: 15.902 $\pm$ 0.009 χ^2 /NDF: 250.8/1

Left: 16.089 $\pm$ 0.006 χ^2 /NDF: 4629.6/5

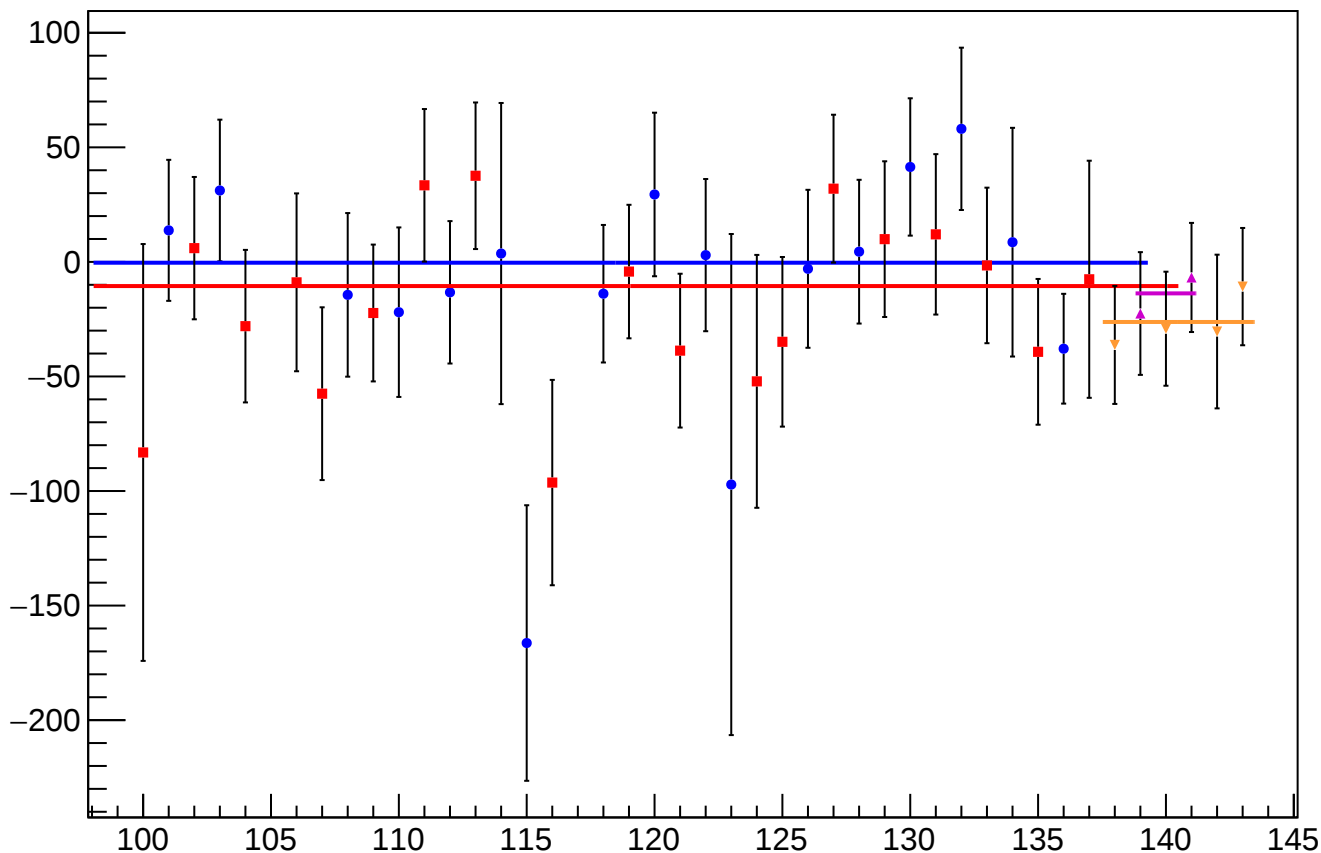
Right: 16.621 $\pm$ 0.003 χ^2 /NDF: 86987.8/35

In: 16.434 $\pm$ 0.004 χ^2 /NDF: 48750.1/18

Out: 16.536 $\pm$ 0.004 χ^2 /NDF: 49535.2/22

All: 16.489 $\pm$ 0.003 χ^2 /NDF: 98624.4/41

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.358 ± 8.465 χ^2/NDF : 18.4/16

Left Out: -26.220 ± 13.439 χ^2/NDF : 0.5/3

Right Out: -10.548 ± 8.187 χ^2/NDF : 15.7/18

Left In: -13.740 ± 17.798 χ^2/NDF : 0.2/1

Left: -21.689 ± 10.725 χ^2/NDF : 1.1/5

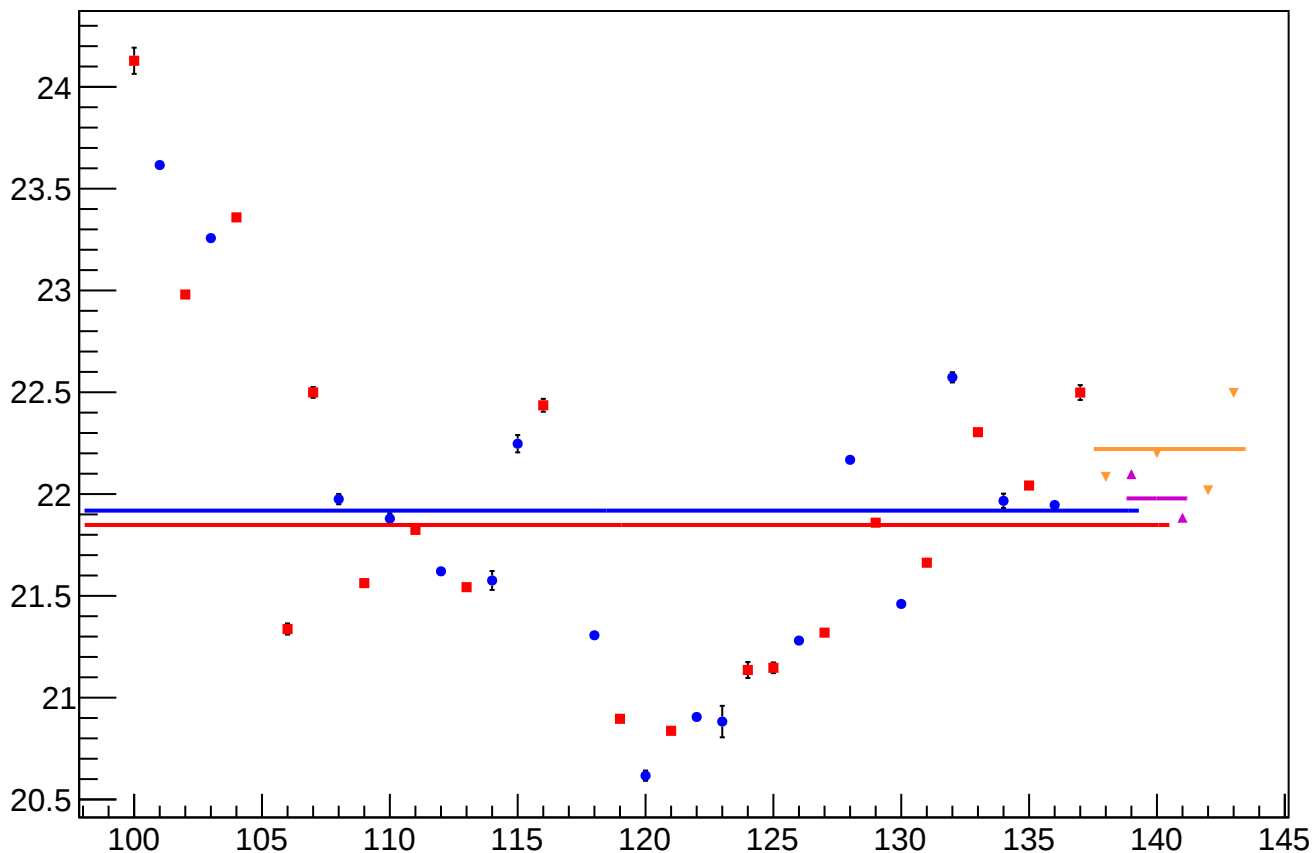
Right: -5.623 ± 5.885 χ^2/NDF : 34.9/35

In: -2.826 ± 7.644 χ^2/NDF : 19.1/18

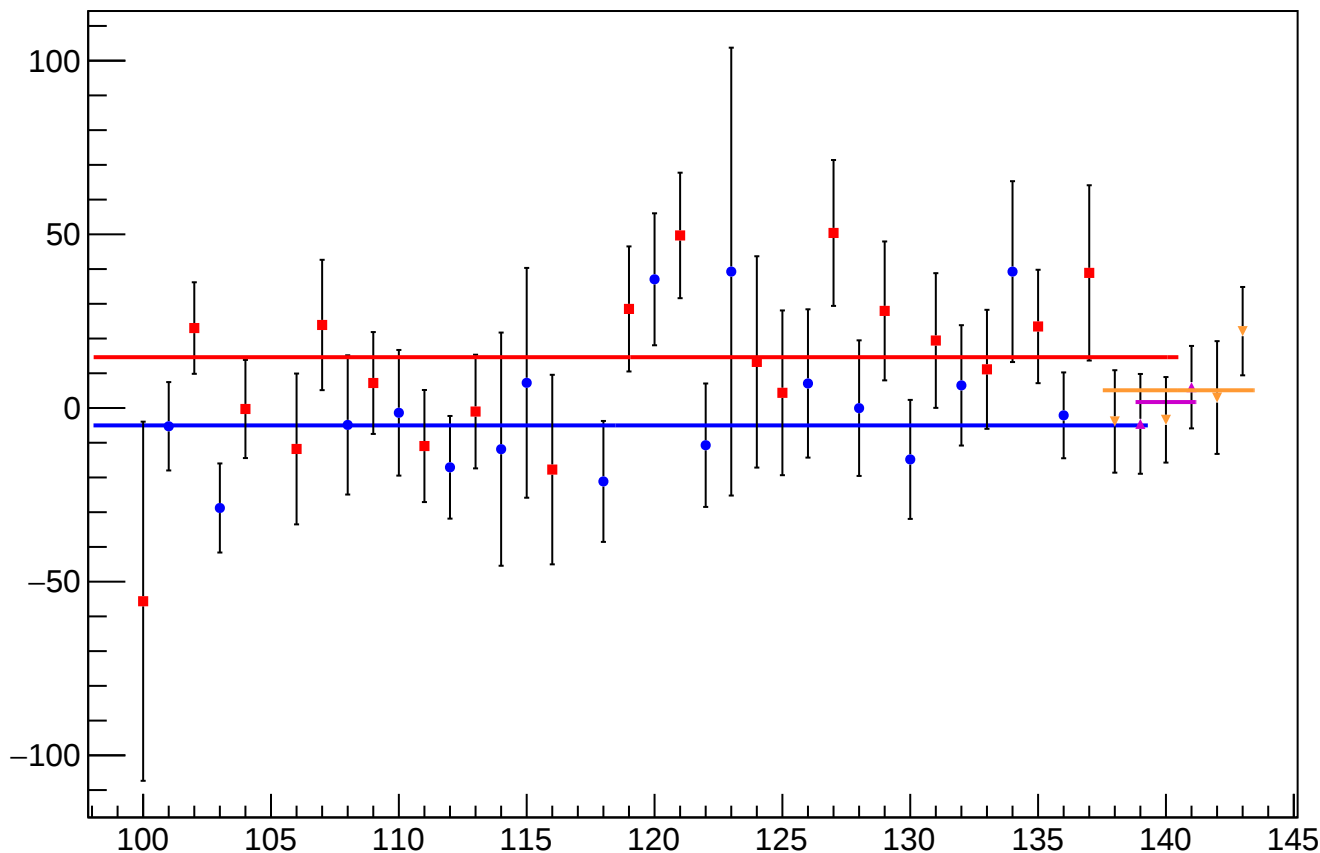
Out: -14.790 ± 6.992 χ^2/NDF : 17.3/22

All: -9.340 ± 5.159 χ^2/NDF : 37.7/41

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.010+/-4.334 χ^2/NDF : 14.8/16

Left Out: 5.102+/-6.874 χ^2/NDF : 2.7/3

Right Out: 14.630+/-4.270 χ^2/NDF : 19.4/18

Left In: 1.713+/-9.151 χ^2/NDF : 0.3/1

Left: 3.880+/-5.496 χ^2/NDF : 3.1/5

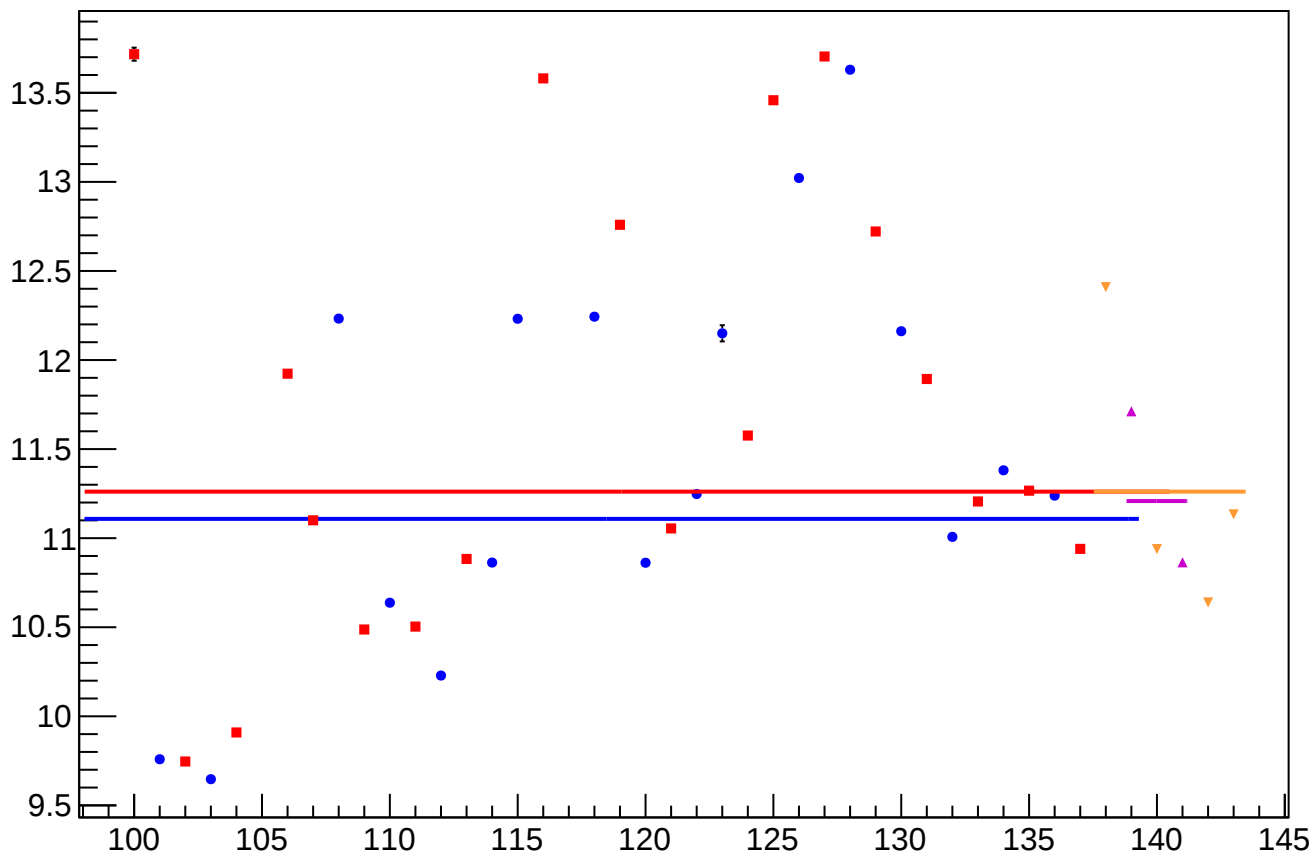
Right: 4.955+/-3.042 χ^2/NDF : 44.6/35

In: -3.778+/-3.917 χ^2/NDF : 15.5/18

Out: 11.977+/-3.627 χ^2/NDF : 23.4/22

All: 4.703+/-2.661 χ^2/NDF : 47.7/41

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.108 ± 0.003 $\chi^2/\text{NDF}: 132594.7/16$

Left Out: 11.261 ± 0.005 $\chi^2/\text{NDF}: 16624.6/3$

Right Out: 11.261 ± 0.003 $\chi^2/\text{NDF}: 148448.6/18$

Left In: 11.208 ± 0.006 $\chi^2/\text{NDF}: 4137.2/1$

Left: 11.242 ± 0.004 $\chi^2/\text{NDF}: 20804.6/5$

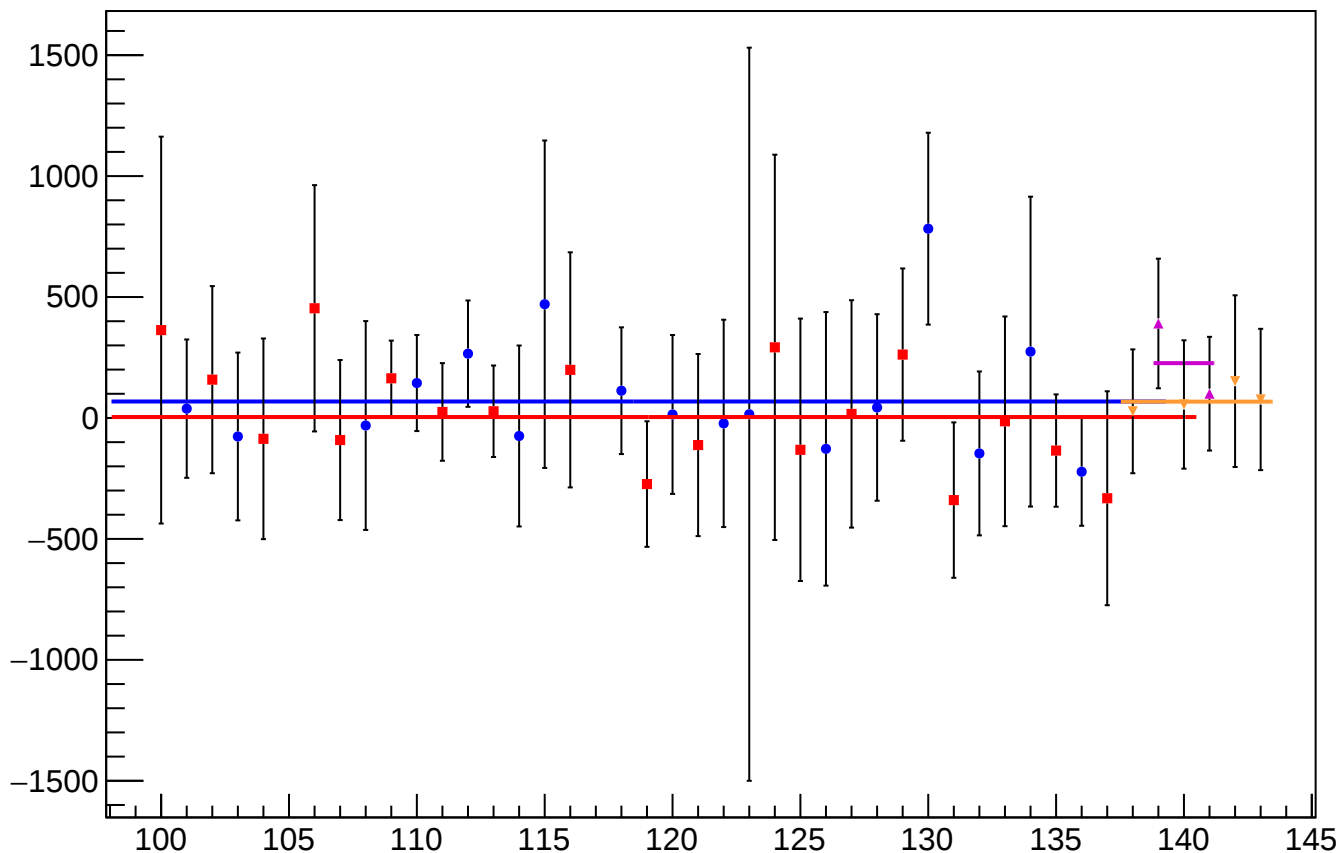
Right: 11.186 ± 0.002 $\chi^2/\text{NDF}: 282306.4/35$

In: 11.127 ± 0.003 $\chi^2/\text{NDF}: 136927.4/18$

Out: 11.261 ± 0.003 $\chi^2/\text{NDF}: 165073.2/22$

All: 11.199 ± 0.002 $\chi^2/\text{NDF}: 303272.0/41$

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: 68.114+/-79.449 χ^2/NDF : 7.4/16

Left Out: 67.559+/-142.693 χ^2/NDF : 0.1/3

Right Out: 3.876+/-70.195 χ^2/NDF : 6.5/18

Left In: 226.665+/-176.683 χ^2/NDF : 0.7/1

Left: 130.369+/-111.011 χ^2/NDF : 1.2/5

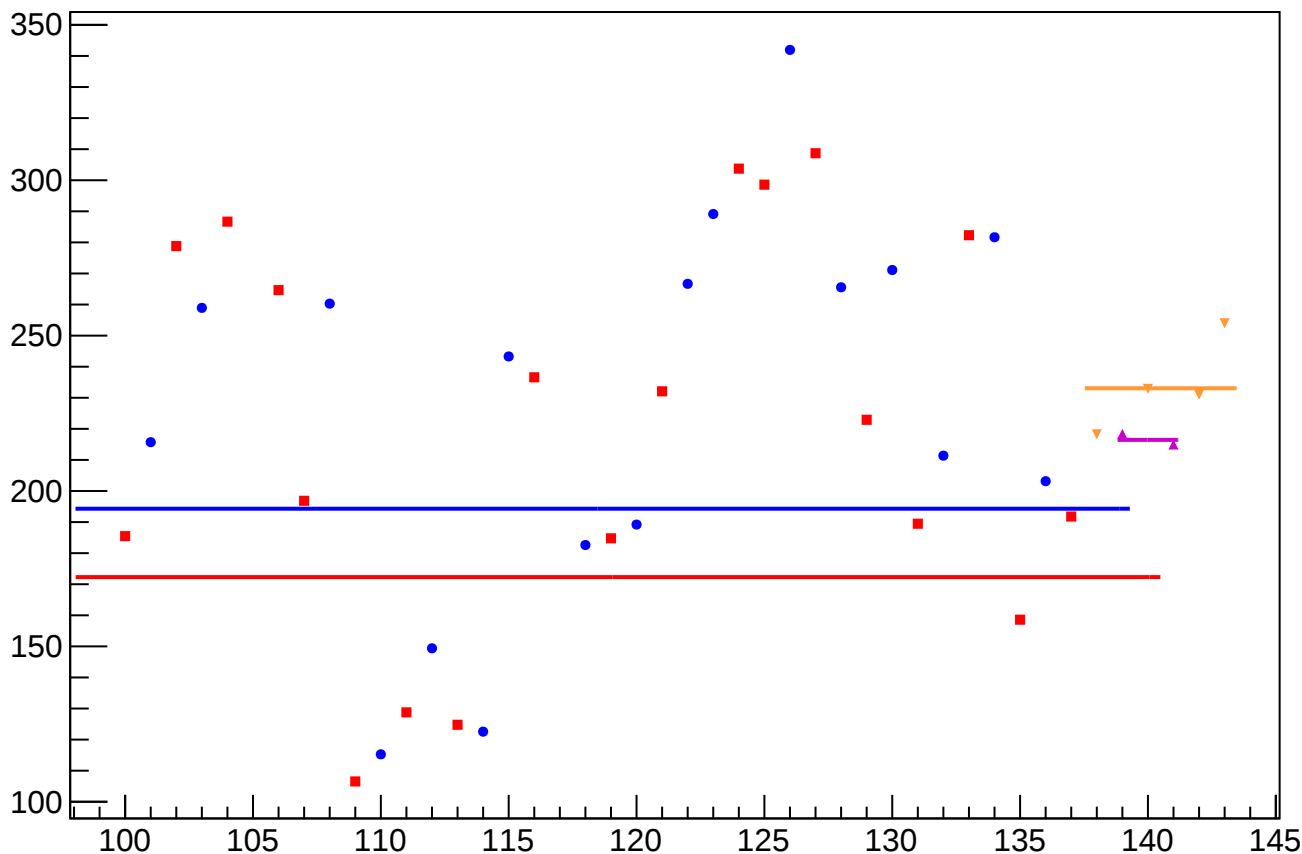
Right: 32.037+/-52.604 χ^2/NDF : 14.3/35

In: 94.781+/-72.460 χ^2/NDF : 8.7/18

Out: 16.284+/-62.986 χ^2/NDF : 6.8/22

All: 50.069+/-47.537 χ^2/NDF : 16.2/41

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.298 $\pm$ 0.056 χ^2 /NDF: 1006214.8/16

Left Out: 233.059 $\pm$ 0.101 χ^2 /NDF:17030.5/3

Right Out: 172.293 $\pm$ 0.050 χ^2 /NDF: 1564135.2/18

Left In: 216.456 $\pm$ 0.125 χ^2 /NDF:182.8/1

Left: 226.504 $\pm$ 0.078 χ^2 /NDF: 27901.8/5

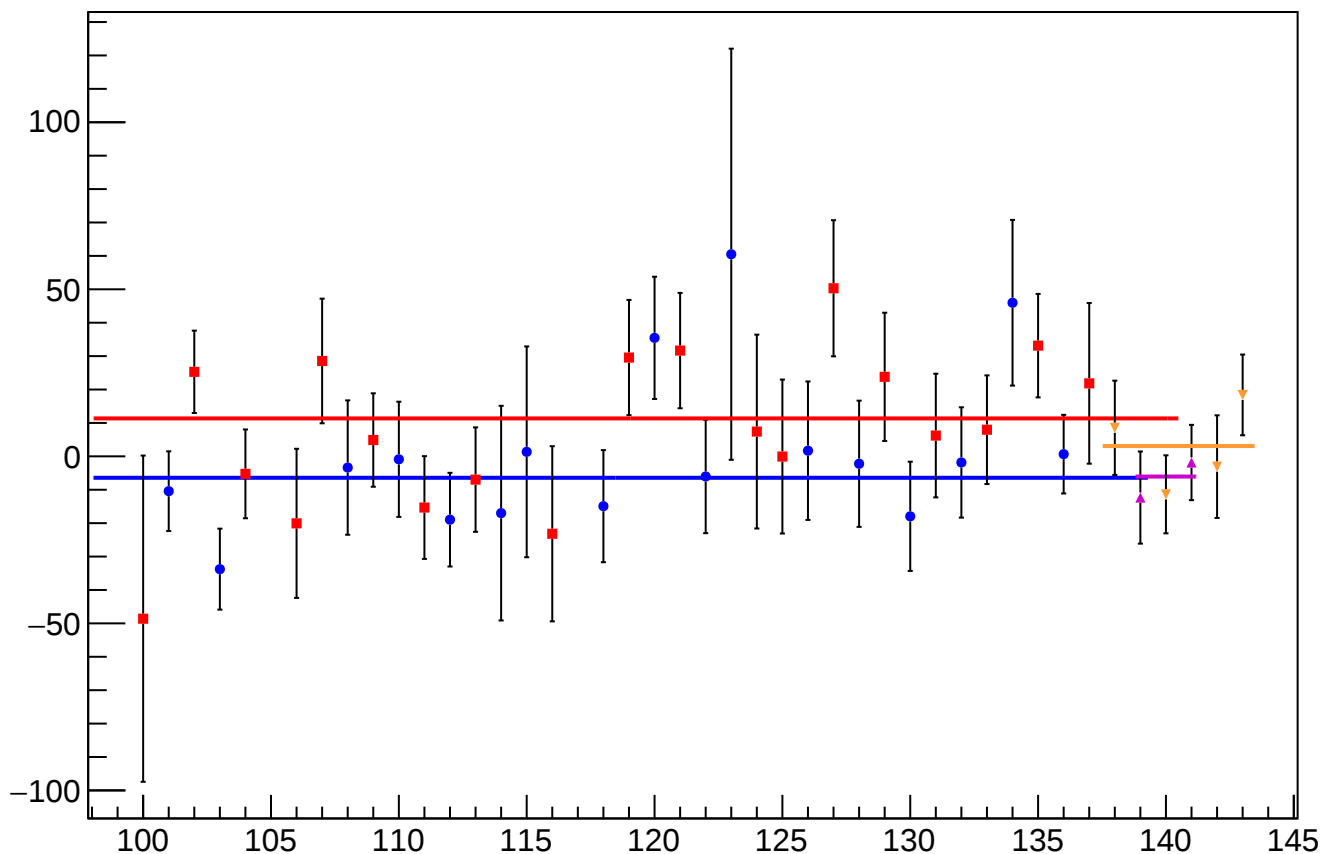
Right: 181.940 $\pm$ 0.037 χ^2 /NDF: 2656513.7/35

In: 198.025 $\pm$ 0.051 χ^2 /NDF:1032563.3/18

Out: 184.133 $\pm$ 0.045 χ^2 /NDF:1873191.8/22

All: 190.112 $\pm$ 0.034 χ^2 /NDF: 2947628.9/41

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.419 ± 4.138 χ^2/NDF : 18.6/16

Left Out: 3.084 ± 6.532 χ^2/NDF : 3.4/3

Right Out: 11.351 ± 4.084 χ^2/NDF : 22.6/18

Left In: -6.050 ± 8.727 χ^2/NDF : 0.3/1

Left: -0.196 ± 5.229 χ^2/NDF : 4.5/5

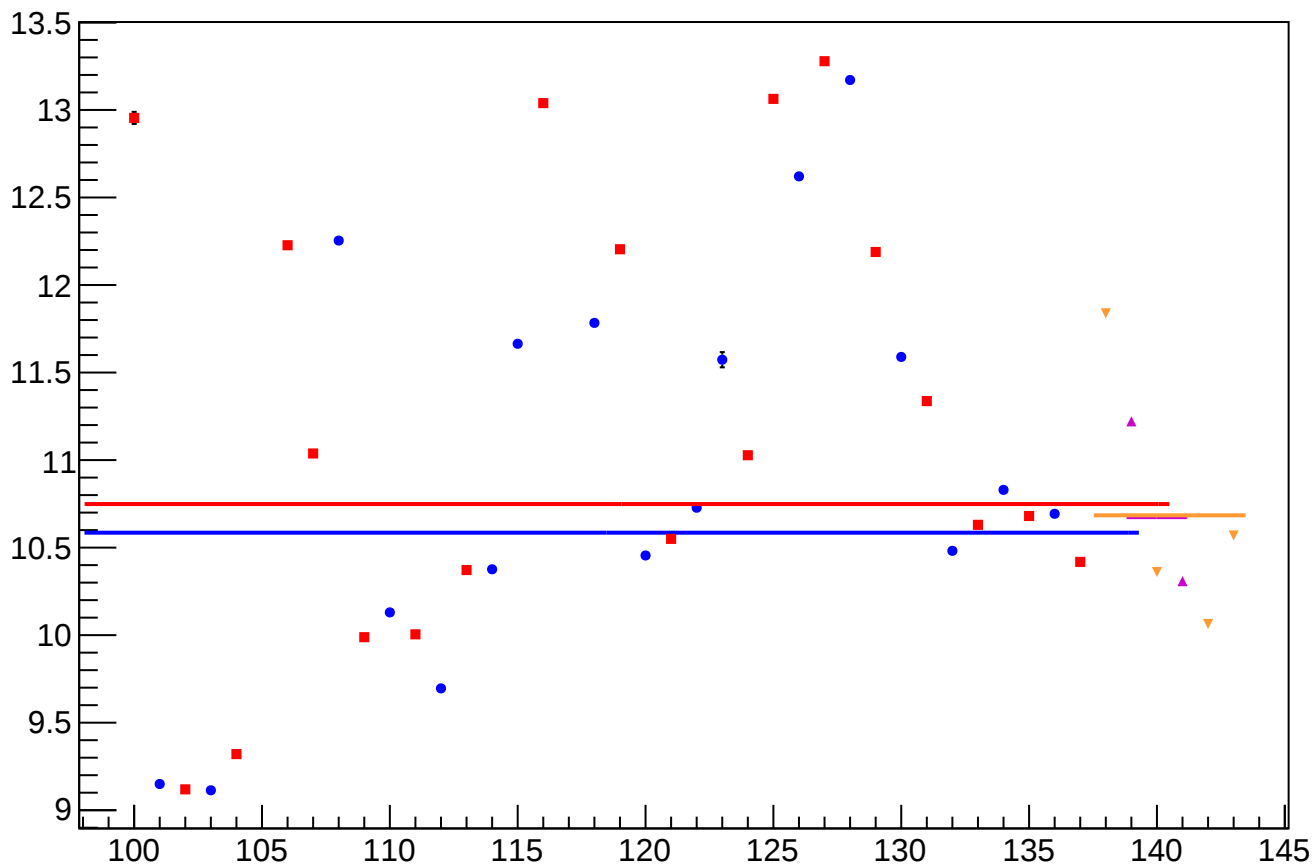
Right: 2.582 ± 2.907 χ^2/NDF : 50.6/35

In: -6.351 ± 3.739 χ^2/NDF : 18.9/18

Out: 9.027 ± 3.463 χ^2/NDF : 27.2/22

All: 1.926 ± 2.541 χ^2/NDF : 55.3/41

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.585 ± 0.003 χ^2/NDF : 159813.8/16

Left Out: 10.685 ± 0.005 χ^2/NDF : 18351.4/3

Right Out: 10.749 ± 0.003 χ^2/NDF : 177905.9/18

Left In: 10.674 ± 0.006 χ^2/NDF : 5255.4/1

Left: 10.681 ± 0.004 χ^2/NDF : 23608.6/5

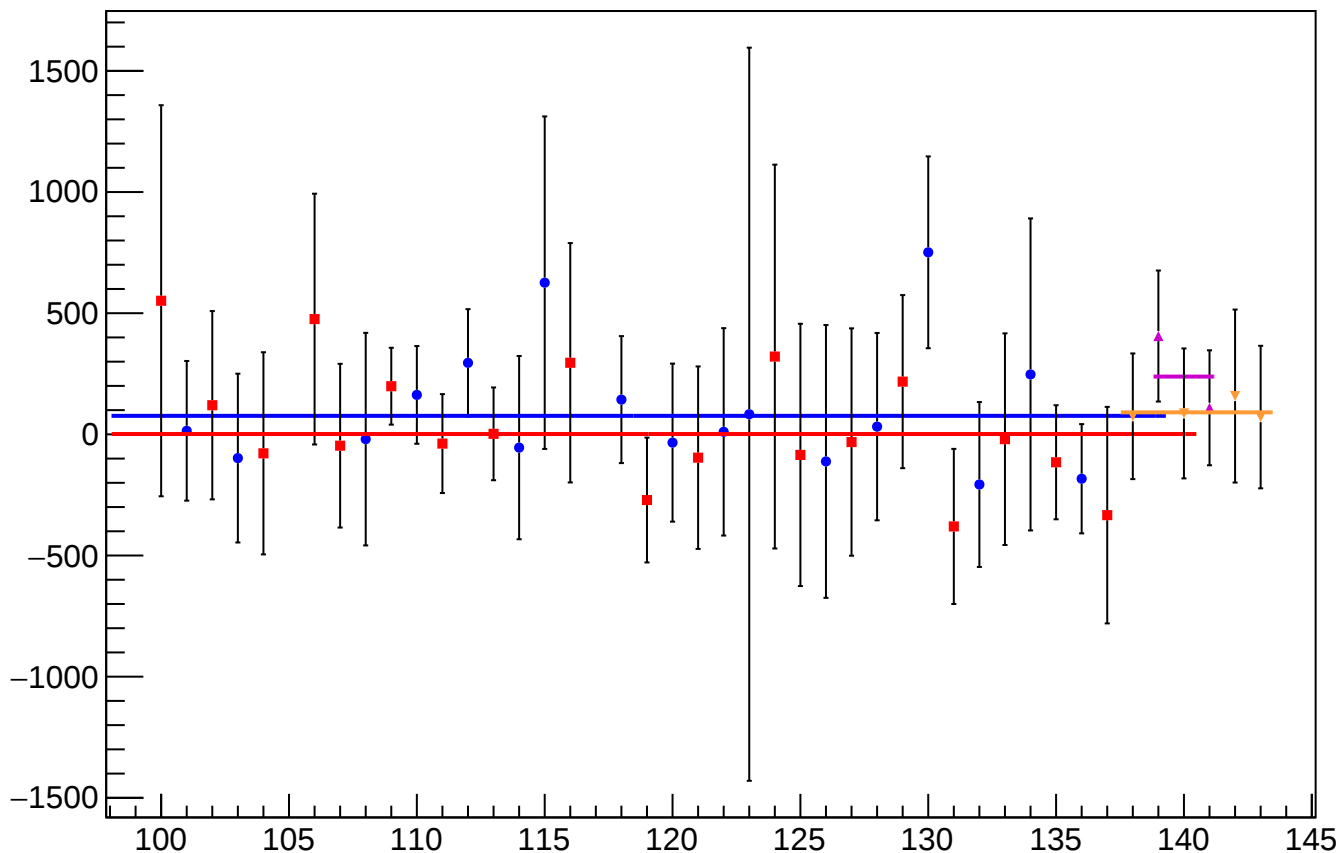
Right: 10.668 ± 0.002 χ^2/NDF : 339301.3/35

In: 10.602 ± 0.003 χ^2/NDF : 165238.2/18

Out: 10.731 ± 0.002 χ^2/NDF : 196396.6/22

All: 10.671 ± 0.002 χ^2/NDF : 362918.9/41

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 76.396 $\pm$ 79.969 χ^2 /NDF: 7.6/16

Left Out: 90.815 $\pm$ 144.061 χ^2 /NDF:0.0/3

Right Out: 1.355 $\pm$ 70.867 χ^2 /NDF: 7.4/18

Left In: 238.449 $\pm$ 178.327 χ^2 /NDF:0.7/1

Left: 149.116 $\pm$ 112.063 χ^2 /NDF: 1.1/5

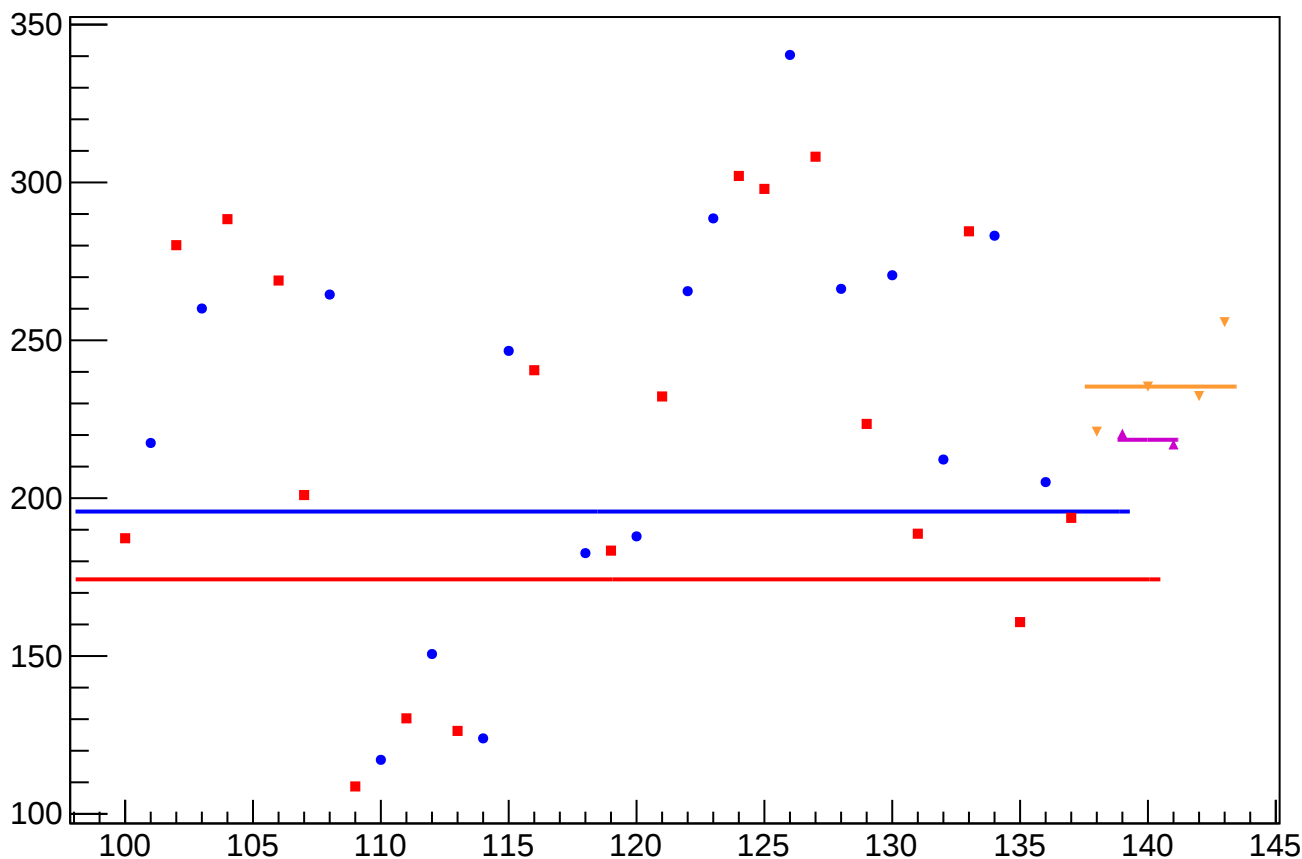
Right: 34.364 $\pm$ 53.038 χ^2 /NDF: 15.5/35

In: 103.529 $\pm$ 72.968 χ^2 /NDF:9.0/18

Out: 18.786 $\pm$ 63.590 χ^2 /NDF:7.7/22

All: 55.365 $\pm$ 47.940 χ^2 /NDF: 17.4/41

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.766 $\pm$ 0.057 χ^2 /NDF: 980914.1/16

Left Out: 235.341 $\pm$ 0.102 χ^2 /NDF:15828.2/3

Right Out: 174.286 $\pm$ 0.050 χ^2 /NDF: 1523733.5/18

Left In: 218.498 $\pm$ 0.126 χ^2 /NDF:177.6/1

Left: 228.690 $\pm$ 0.079 χ^2 /NDF: 26802.4/5

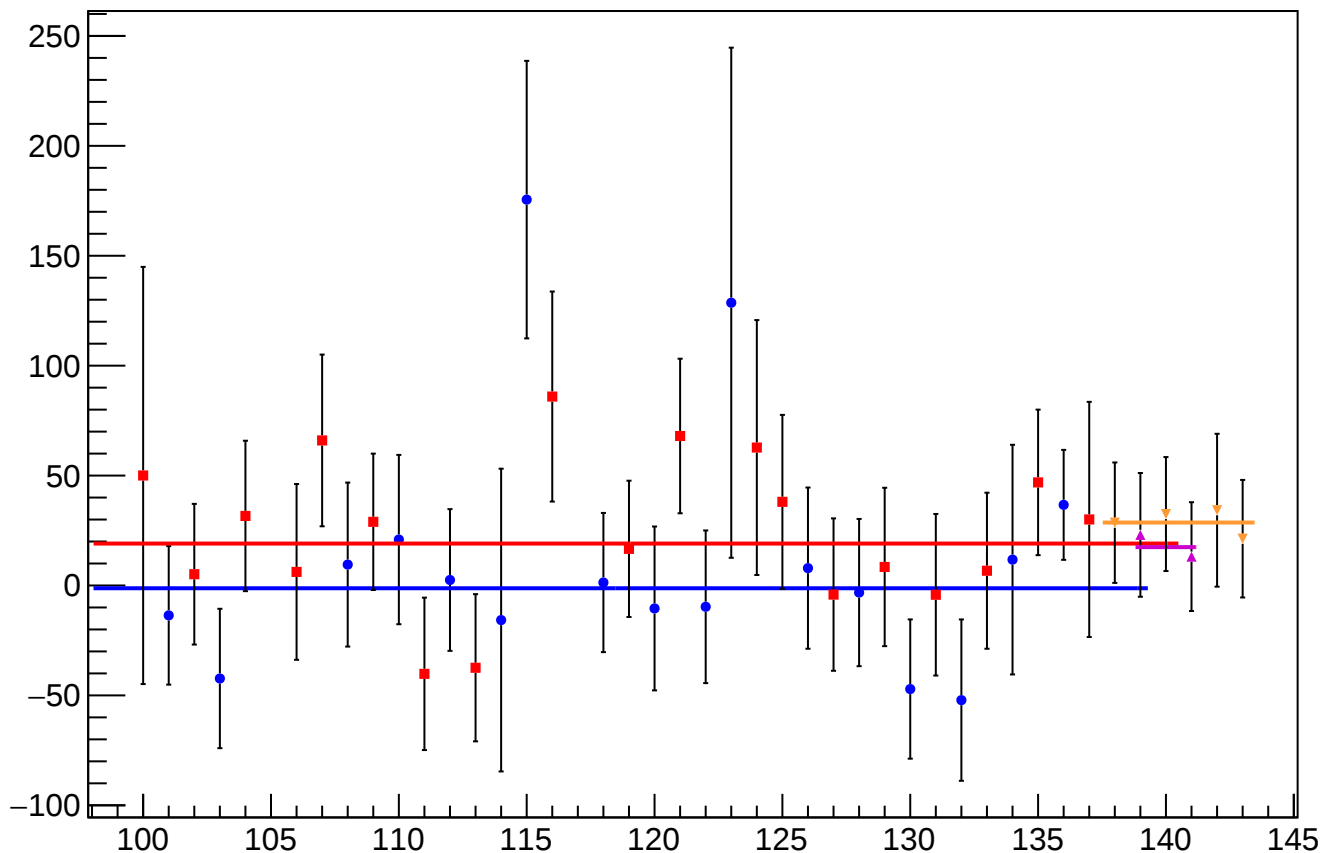
Right: 183.734 $\pm$ 0.038 χ^2 /NDF: 2585471.0/35

In: 199.572 $\pm$ 0.052 χ^2 /NDF:1008149.2/18

Out: 186.182 $\pm$ 0.045 χ^2 /NDF:1828807.0/22

All: 191.961 $\pm$ 0.034 χ^2 /NDF: 2875233.2/41

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.260+/-8.846 χ^2/NDF : 18.0/16

Left Out: 28.638+/-14.076 χ^2/NDF : 0.1/3

Right Out: 19.071+/-8.572 χ^2/NDF : 14.4/18

Left In: 17.445+/-18.587 χ^2/NDF : 0.1/1

Left: 24.558+/-11.222 χ^2/NDF : 0.4/5

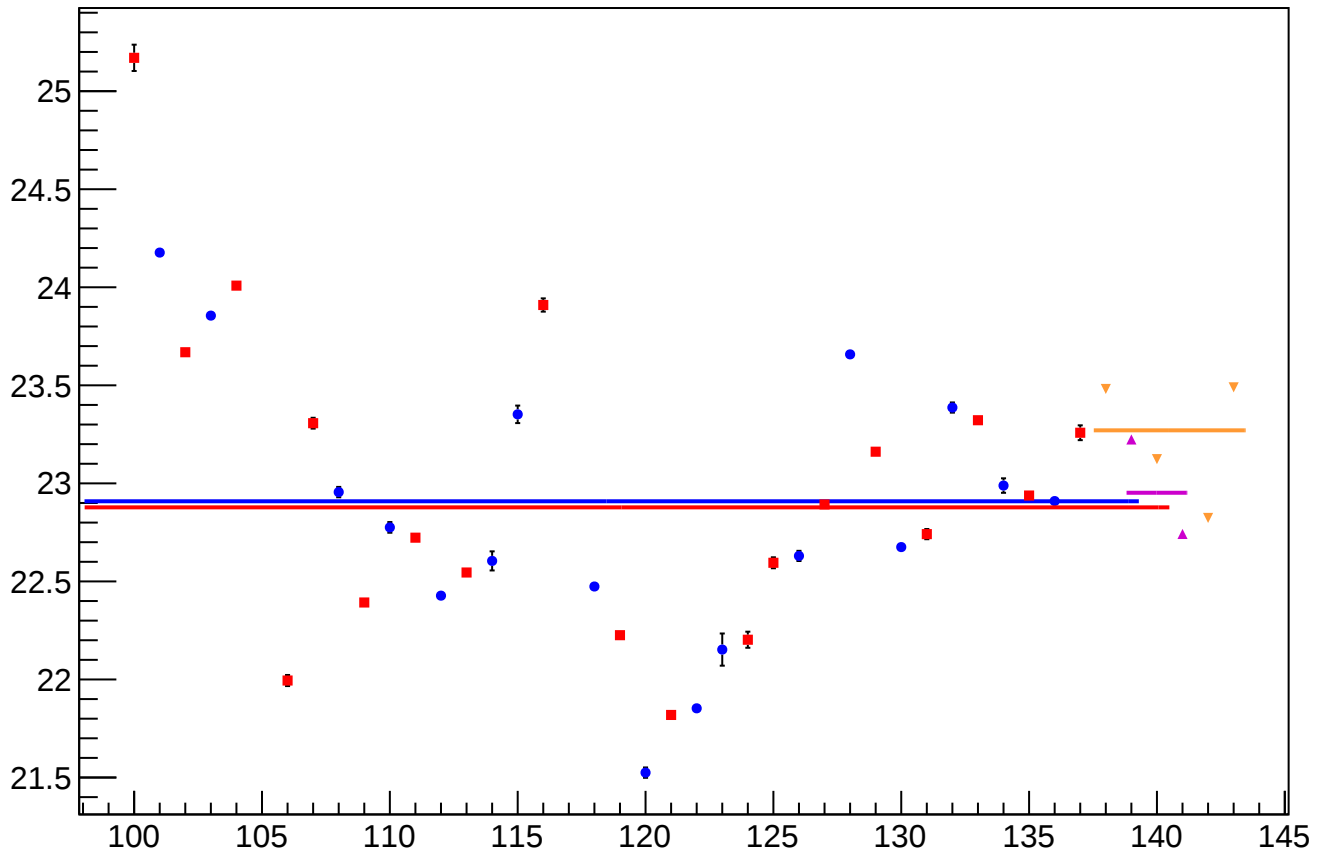
Right: 9.225+/-6.156 χ^2/NDF : 35.1/35

In: 2.194+/-7.988 χ^2/NDF : 18.9/18

Out: 21.659+/-7.321 χ^2/NDF : 14.8/22

All: 12.772+/-5.397 χ^2/NDF : 36.9/41

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.909 ± 0.006 $\chi^2/\text{NDF}: 12270.5/16$

Left Out: 23.270 ± 0.010 $\chi^2/\text{NDF}: 647.3/3$

Right Out: 22.878 ± 0.006 $\chi^2/\text{NDF}: 11094.4/18$

Left In: 22.952 ± 0.013 $\chi^2/\text{NDF}: 330.4/1$

Left: 23.154 ± 0.008 $\chi^2/\text{NDF}: 1350.5/5$

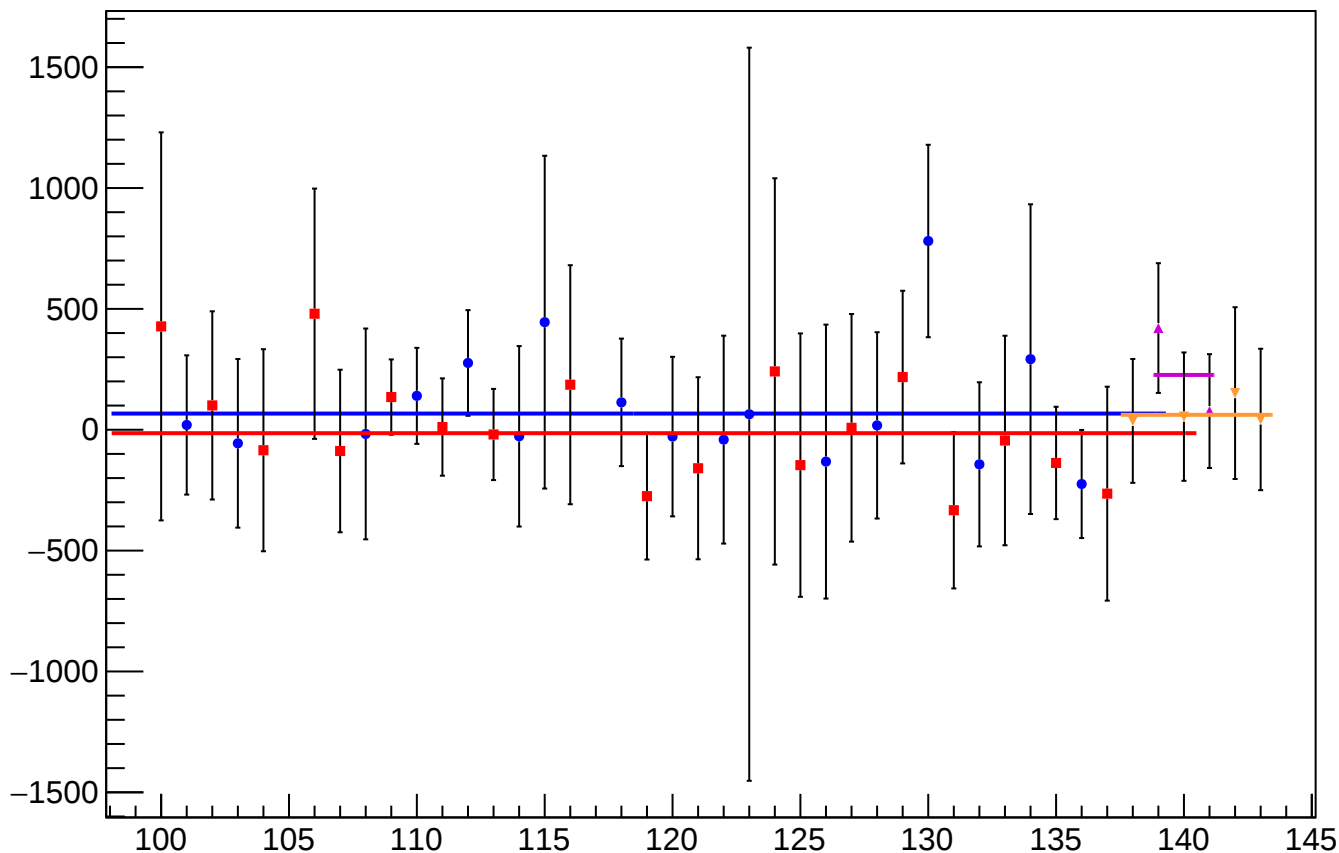
Right: 22.893 ± 0.004 $\chi^2/\text{NDF}: 23377.6/35$

In: 22.917 ± 0.006 $\chi^2/\text{NDF}: 12609.8/18$

Out: 22.984 ± 0.005 $\chi^2/\text{NDF}: 12877.8/22$

All: 22.953 ± 0.004 $\chi^2/\text{NDF}: 25564.5/41$

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 66.962+/-79.625 χ^2/NDF : 7.3/16

Left Out: 61.704+/-142.830 χ^2/NDF : 0.1/3

Right Out: -14.253+/-70.367 χ^2/NDF : 5.8/18

Left In: 226.720+/-177.011 χ^2/NDF : 0.9/1

Left: 126.776+/-111.156 χ^2/NDF : 1.5/5

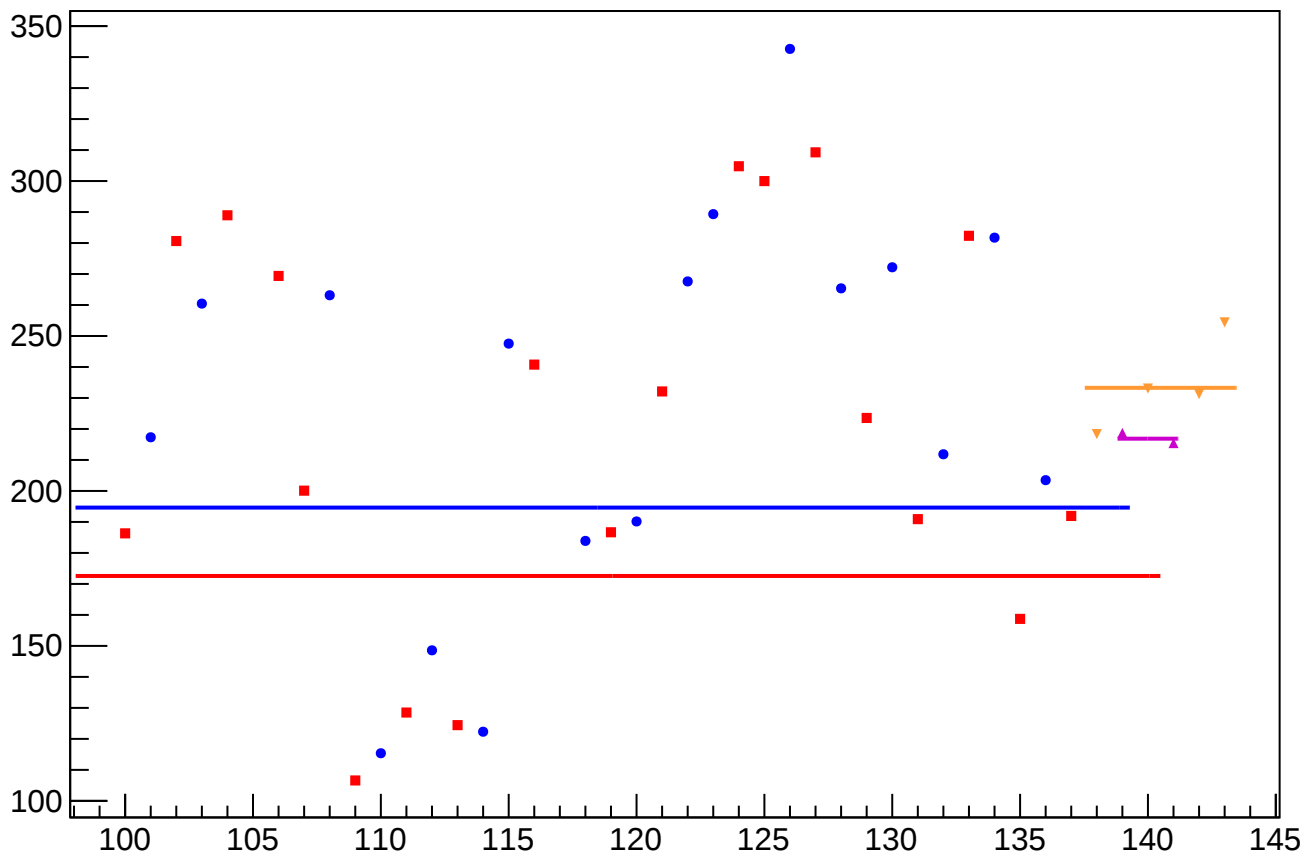
Right: 21.361+/-52.728 χ^2/NDF : 13.7/35

In: 93.849+/-72.616 χ^2/NDF : 8.9/18

Out: 0.582+/-63.122 χ^2/NDF : 6.1/22

All: 40.724+/-47.640 χ^2/NDF : 16.0/41

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.633+/-0.056 χ^2/NDF : 1020982.9/16

Left Out: 233.278+/-0.101 χ^2/NDF :17275.7/3

Right Out: 172.571+/-0.050 χ^2/NDF : 1591230.2/18

Left In: 216.867+/-0.125 χ^2/NDF :168.2/1

Left: 226.807+/-0.079 χ^2/NDF : 27855.3/5

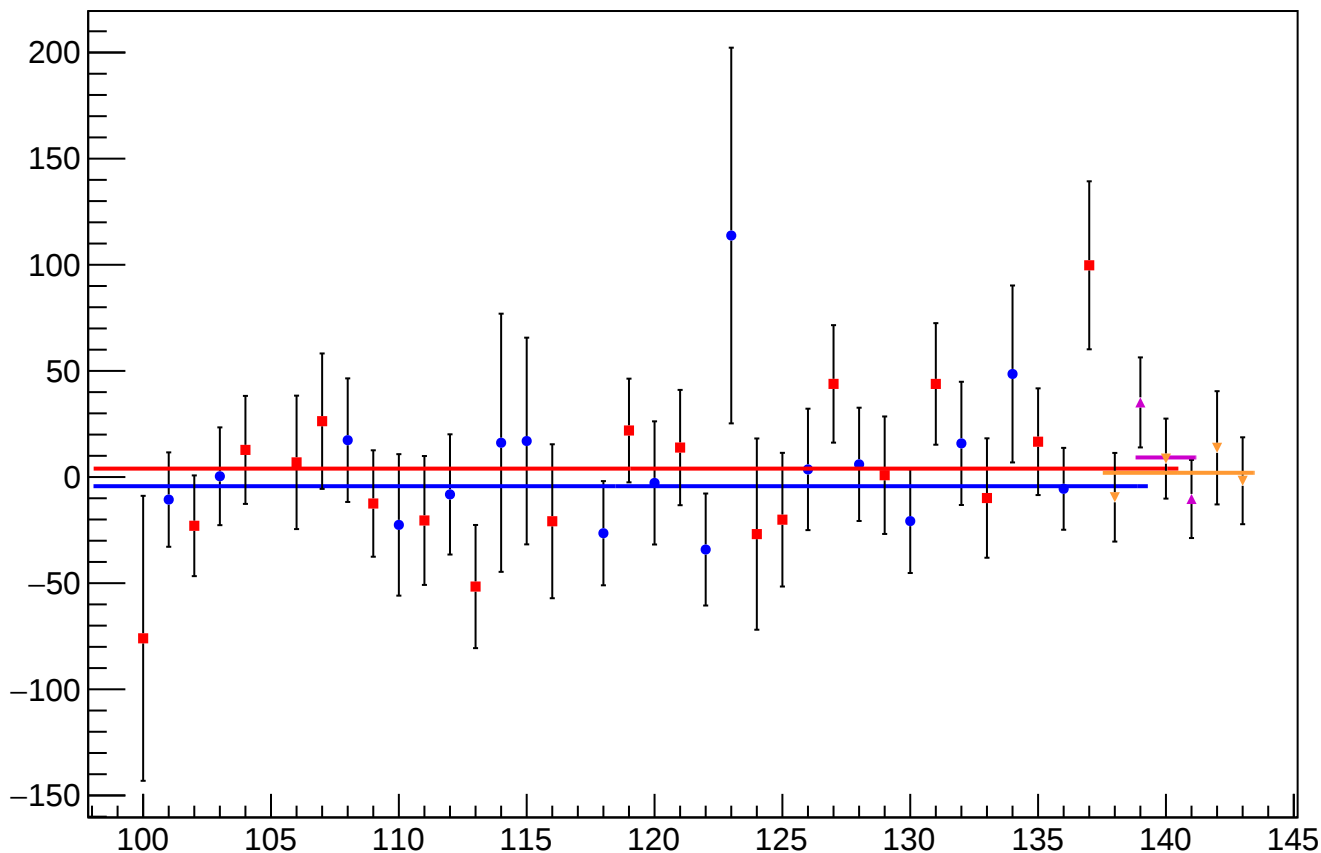
Right: 182.245+/-0.037 χ^2/NDF : 2698427.0/35

In: 198.375+/-0.051 χ^2/NDF :1047396.0/18

Out: 184.428+/-0.045 χ^2/NDF :1899244.0/22

All: 190.430+/-0.034 χ^2/NDF : 2988666.2/41

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.314 ± 6.887 $\chi^2/\text{NDF}: 7.9/16$

Left Out: 2.001 ± 10.600 $\chi^2/\text{NDF}: 0.7/3$

Right Out: 3.970 ± 6.740 $\chi^2/\text{NDF}: 20.7/18$

Left In: 9.223 ± 13.904 $\chi^2/\text{NDF}: 2.6/1$

Left: 4.655 ± 8.430 $\chi^2/\text{NDF}: 3.5/5$

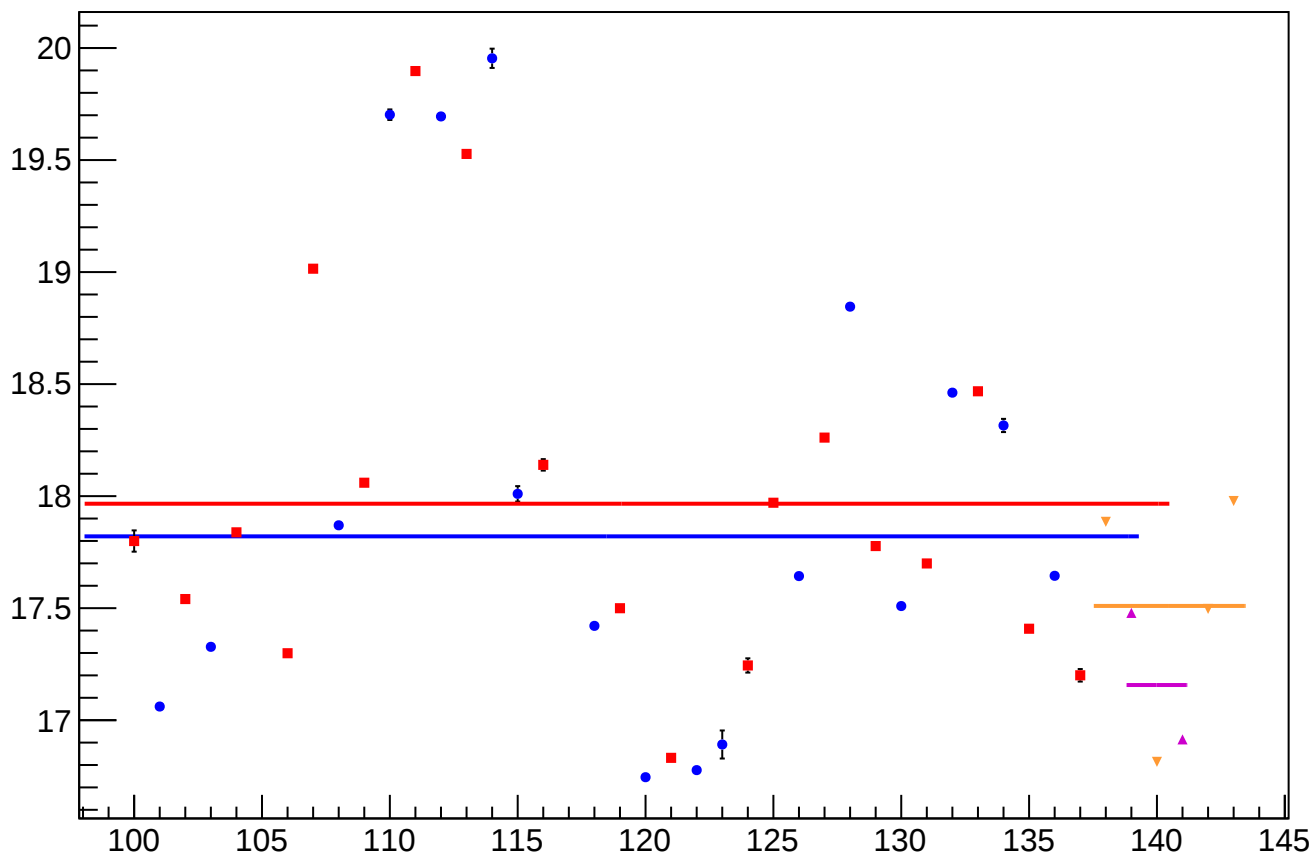
Right: -0.083 ± 4.817 $\chi^2/\text{NDF}: 29.3/35$

In: -1.648 ± 6.171 $\chi^2/\text{NDF}: 11.3/18$

Out: 3.403 ± 5.688 $\chi^2/\text{NDF}: 21.3/22$

All: 1.083 ± 4.182 $\chi^2/\text{NDF}: 33.0/41$

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.821 $\pm$ 0.005 χ^2 /NDF: 32283.6/16

Left Out: 17.510 $\pm$ 0.007 χ^2 /NDF: 4419.8/3

Right Out: 17.966 $\pm$ 0.005 χ^2 /NDF: 25320.4/18

Left In: 17.157 $\pm$ 0.010 χ^2 /NDF: 808.1/1

Left: 17.380 $\pm$ 0.006 χ^2 /NDF: 6043.1/5

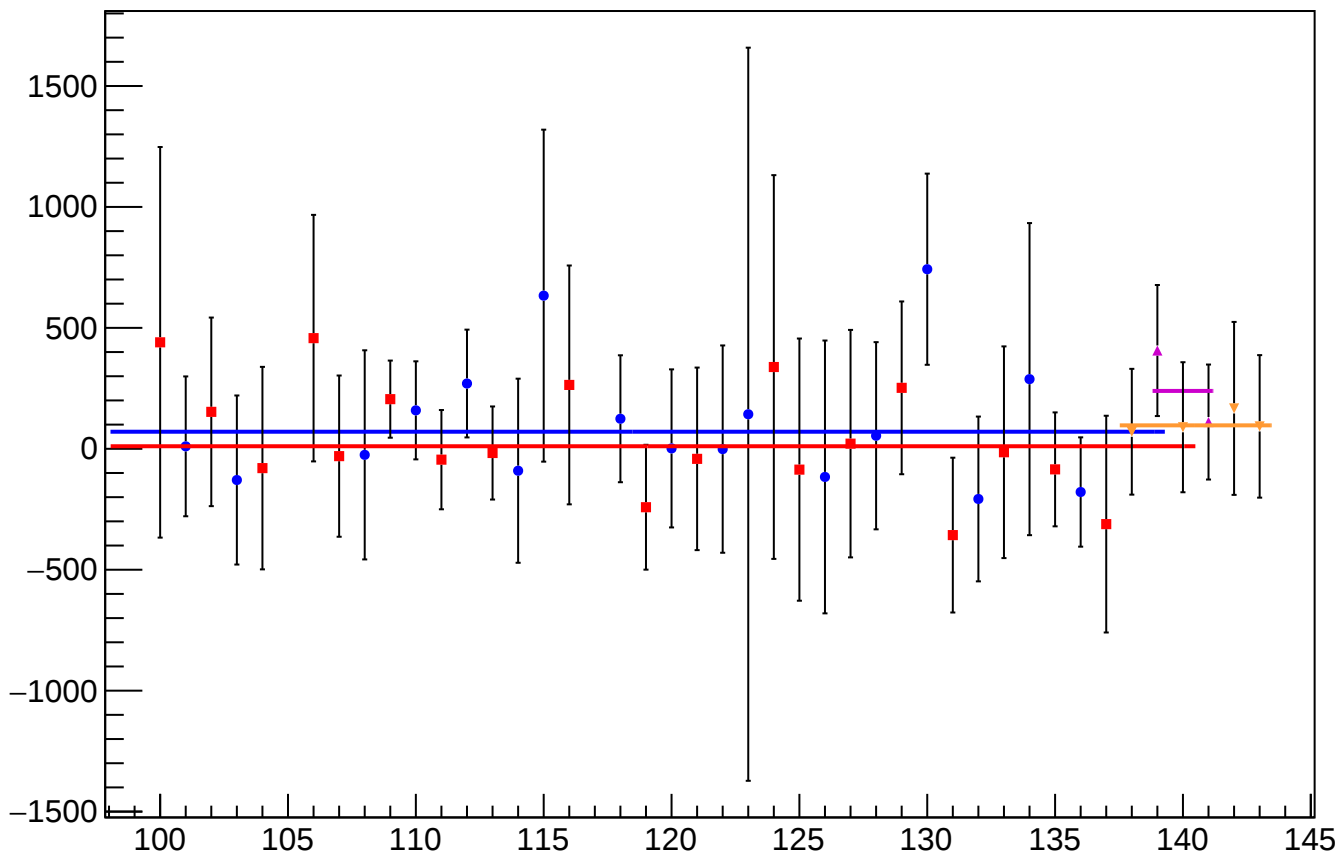
Right: 17.895 $\pm$ 0.003 χ^2 /NDF: 58060.9/35

In: 17.690 $\pm$ 0.004 χ^2 /NDF: 36749.0/18

Out: 17.835 $\pm$ 0.004 χ^2 /NDF: 32377.8/22

All: 17.768 $\pm$ 0.003 χ^2 /NDF: 69723.8/41

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 70.603+/-80.168 χ^2/NDF : 7.4/16

Left Out: 96.954+/-144.386 χ^2/NDF : 0.0/3

Right Out: 10.558+/-71.025 χ^2/NDF : 6.7/18

Left In: 239.275+/-178.691 χ^2/NDF : 0.7/1

Left: 153.171+/-112.306 χ^2/NDF : 1.1/5

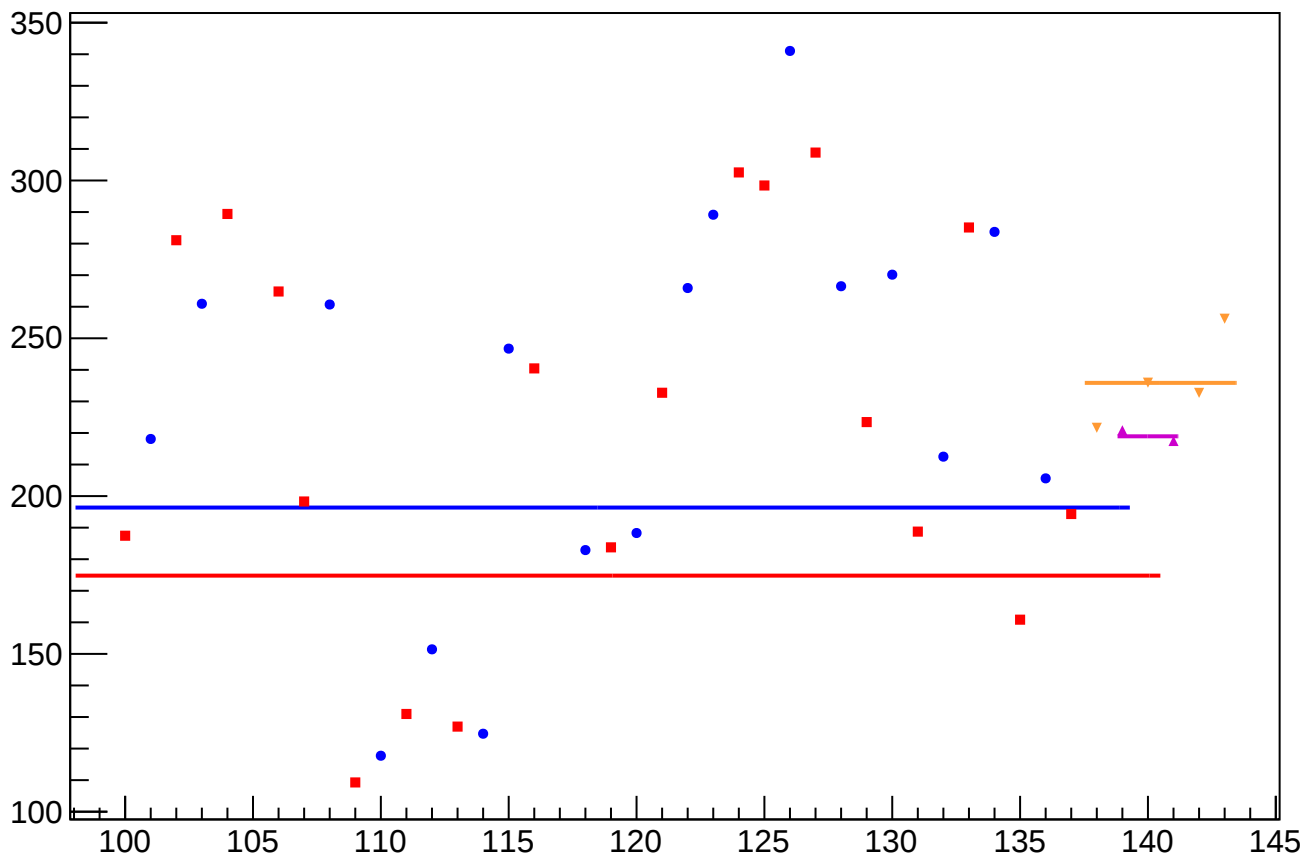
Right: 36.962+/-53.162 χ^2/NDF : 14.4/35

In: 98.864+/-73.144 χ^2/NDF : 8.8/18

Out: 27.390+/-63.732 χ^2/NDF : 7.1/22

All: 58.236+/-48.051 χ^2/NDF : 16.4/41

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.369+/-0.057 χ^2/NDF : 965962.8/16

Left Out: 235.874+/-0.102 χ^2/NDF :15665.2/3

Right Out: 174.800+/-0.050 χ^2/NDF : 1506075.3/18

Left In: 218.944+/-0.126 χ^2/NDF :178.5/1

Left: 229.187+/-0.079 χ^2/NDF : 26705.6/5

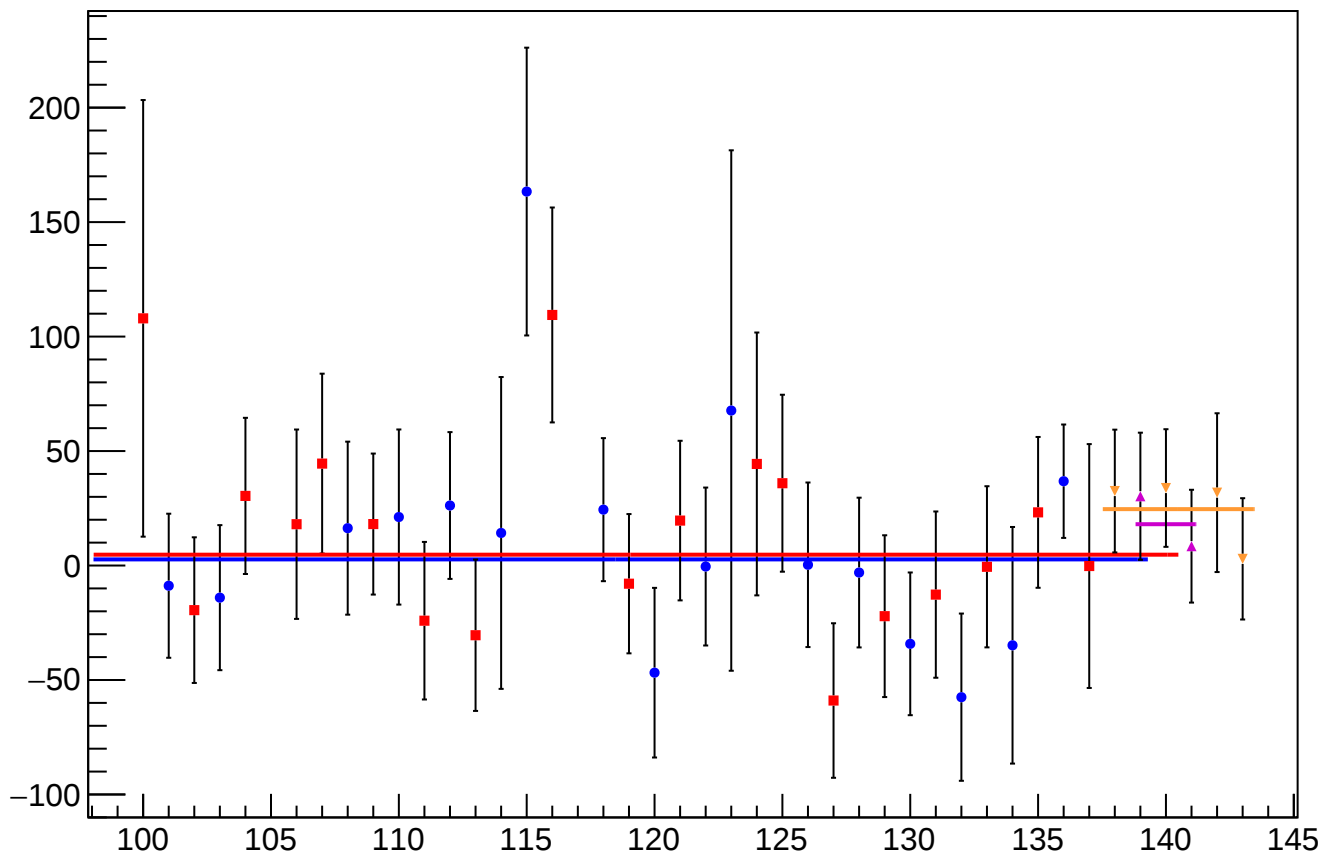
Right: 184.285+/-0.038 χ^2/NDF : 2553145.1/35

In: 200.151+/-0.052 χ^2/NDF :992713.9/18

Out: 186.699+/-0.045 χ^2/NDF :1809863.9/22

All: 192.505+/-0.034 χ^2/NDF : 2841030.9/41

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.676+/-8.772 χ^2/NDF : 17.1/16

Left Out: 24.633+/-13.917 χ^2/NDF : 0.9/3

Right Out: 4.736+/-8.496 χ^2/NDF : 16.6/18

Left In: 18.049+/-18.431 χ^2/NDF : 0.3/1

Left: 22.242+/-11.107 χ^2/NDF : 1.4/5

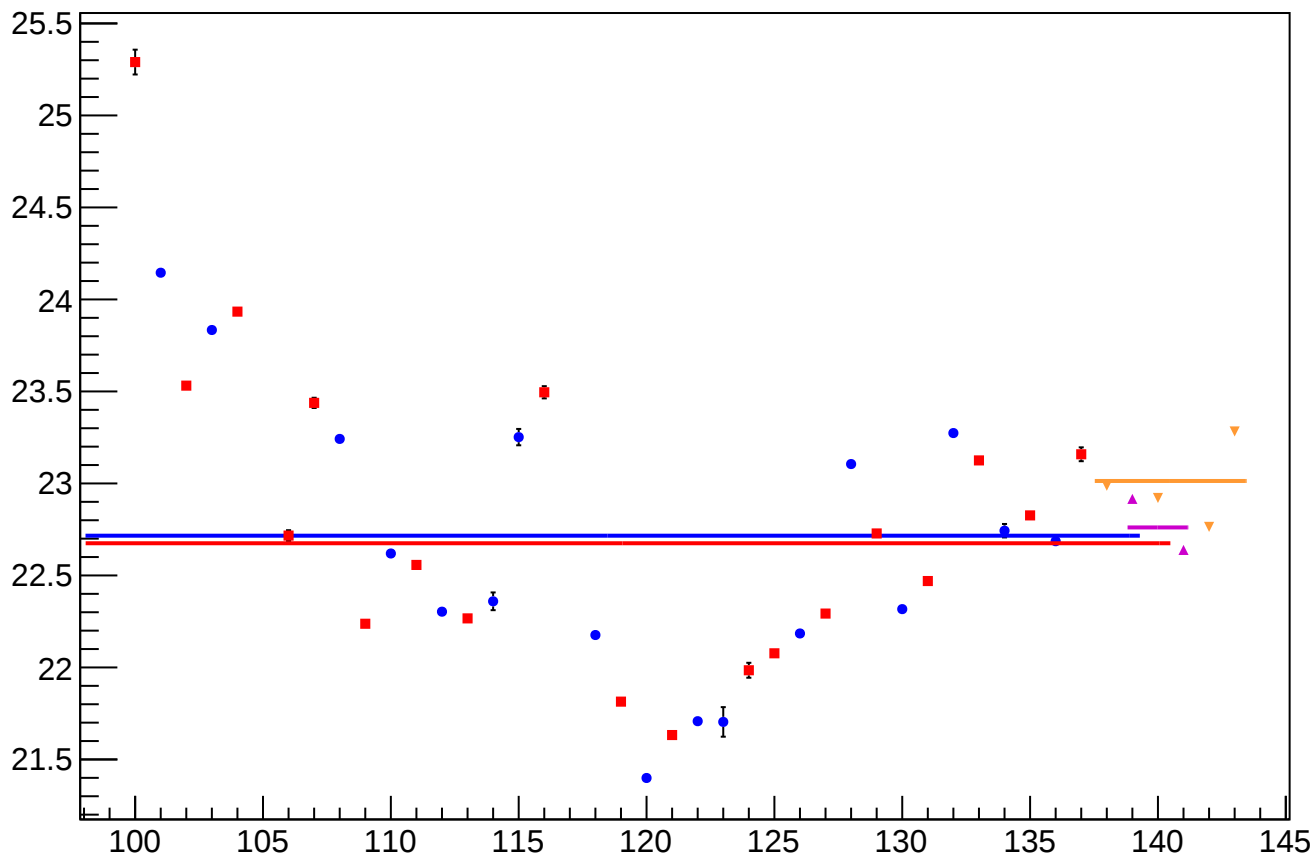
Right: 3.739+/-6.103 χ^2/NDF : 33.7/35

In: 5.515+/-7.920 χ^2/NDF : 18.0/18

Out: 10.137+/-7.252 χ^2/NDF : 19.1/22

All: 8.030+/-5.348 χ^2/NDF : 37.2/41

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.716 $\pm$ 0.006 χ^2 /NDF: 14058.2/16

Left Out: 23.013 $\pm$ 0.010 χ^2 /NDF:337.4/3

Right Out: 22.675 $\pm$ 0.006 χ^2 /NDF: 12796.3/18

Left In: 22.761 $\pm$ 0.013 χ^2 /NDF:111.7/1

Left: 22.922 $\pm$ 0.008 χ^2 /NDF: 688.2/5

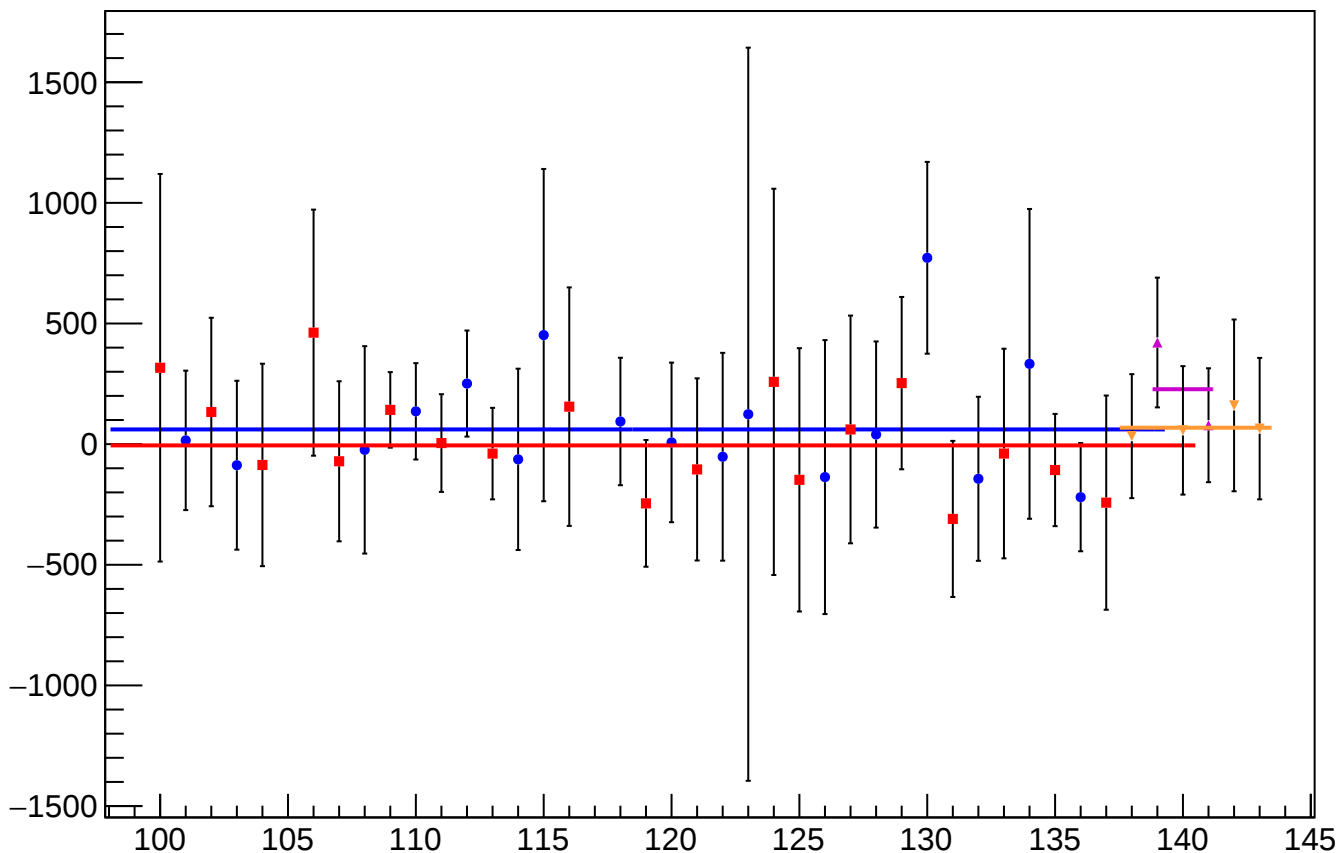
Right: 22.695 $\pm$ 0.004 χ^2 /NDF: 26877.1/35

In: 22.724 $\pm$ 0.006 χ^2 /NDF:14179.5/18

Out: 22.767 $\pm$ 0.005 χ^2 /NDF:13995.6/22

All: 22.747 $\pm$ 0.004 χ^2 /NDF: 28206.4/41

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 60.977+/-79.827 χ^2/NDF : 7.1/16

Left Out: 68.119+/-143.155 χ^2/NDF : 0.1/3

Right Out: -5.234+/-70.529 χ^2/NDF : 5.2/18

Left In: 227.581+/-177.378 χ^2/NDF : 0.9/1

Left: 131.016+/-111.400 χ^2/NDF : 1.5/5

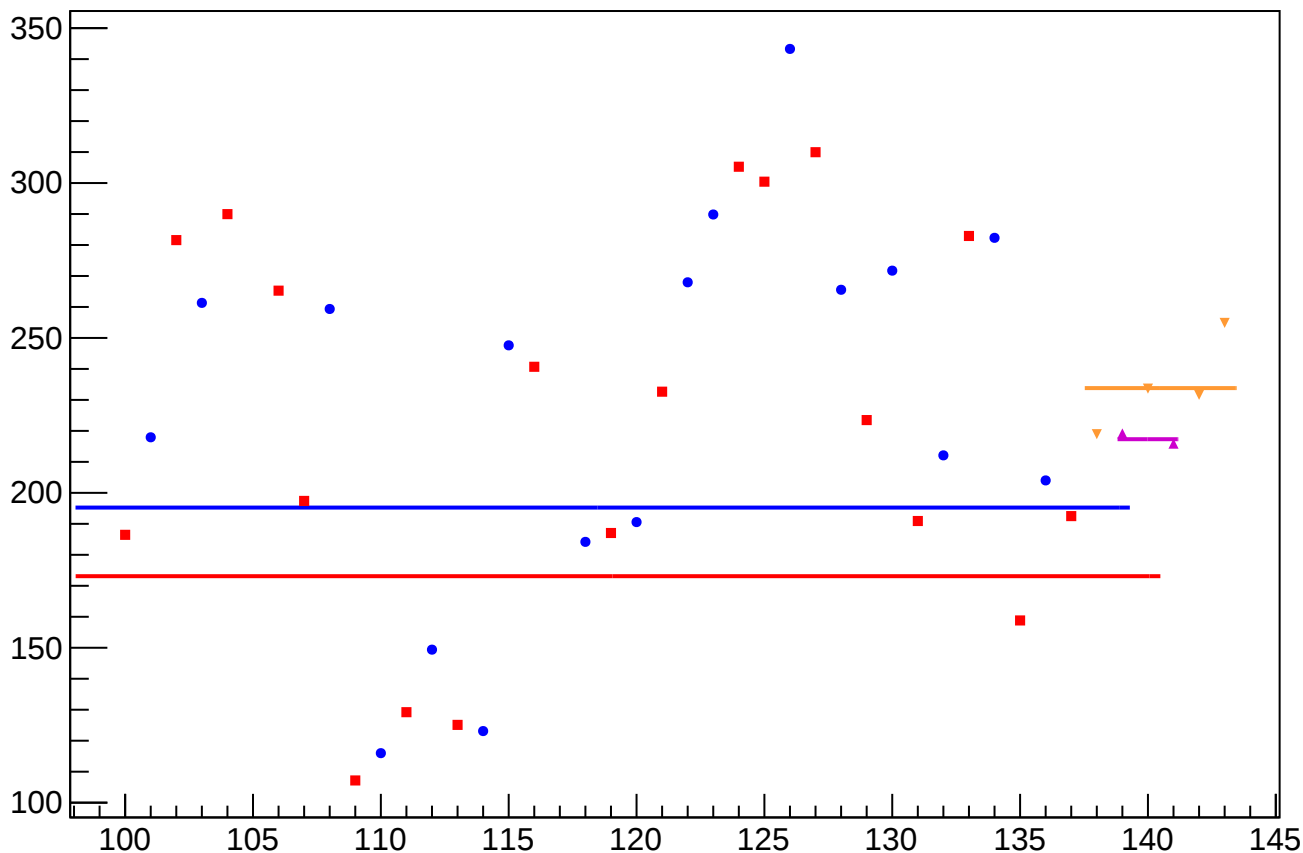
Right: 23.793+/-52.855 χ^2/NDF : 12.7/35

In: 89.037+/-72.795 χ^2/NDF : 8.8/18

Out: 9.094+/-63.267 χ^2/NDF : 5.5/22

All: 43.495+/-47.752 χ^2/NDF : 15.0/41

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.248 $\pm$ 0.056 χ^2 /NDF: 1005332.5/16

Left Out: 233.812 $\pm$ 0.101 χ^2 /NDF:17093.8/3

Right Out: 173.101 $\pm$ 0.050 χ^2 /NDF: 1572691.1/18

Left In: 217.317 $\pm$ 0.125 χ^2 /NDF:169.3/1

Left: 227.306 $\pm$ 0.079 χ^2 /NDF: 27737.3/5

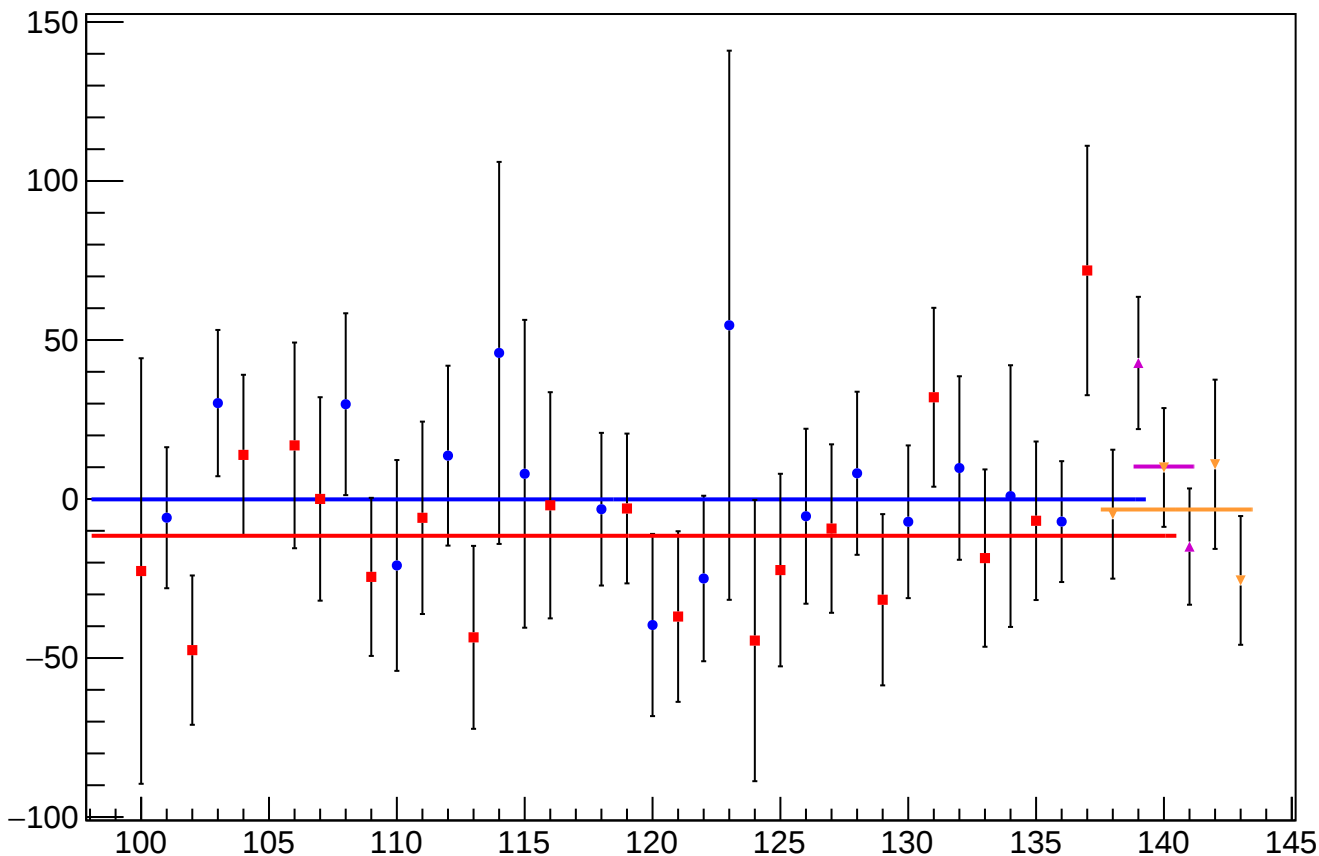
Right: 182.810 $\pm$ 0.037 χ^2 /NDF: 2664478.8/35

In: 198.965 $\pm$ 0.051 χ^2 /NDF:1031246.8/18

Out: 184.959 $\pm$ 0.045 χ^2 /NDF:1879239.3/22

All: 190.986 $\pm$ 0.034 χ^2 /NDF: 2952662.4/41

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.111 ± 6.786 χ^2/NDF : 7.9/16

Left Out: -3.299 ± 10.452 χ^2/NDF : 2.0/3

Right Out: -11.560 ± 6.642 χ^2/NDF : 15.2/18

Left In: 10.213 ± 13.731 χ^2/NDF : 4.3/1

Left: 1.658 ± 8.317 χ^2/NDF : 7.0/5

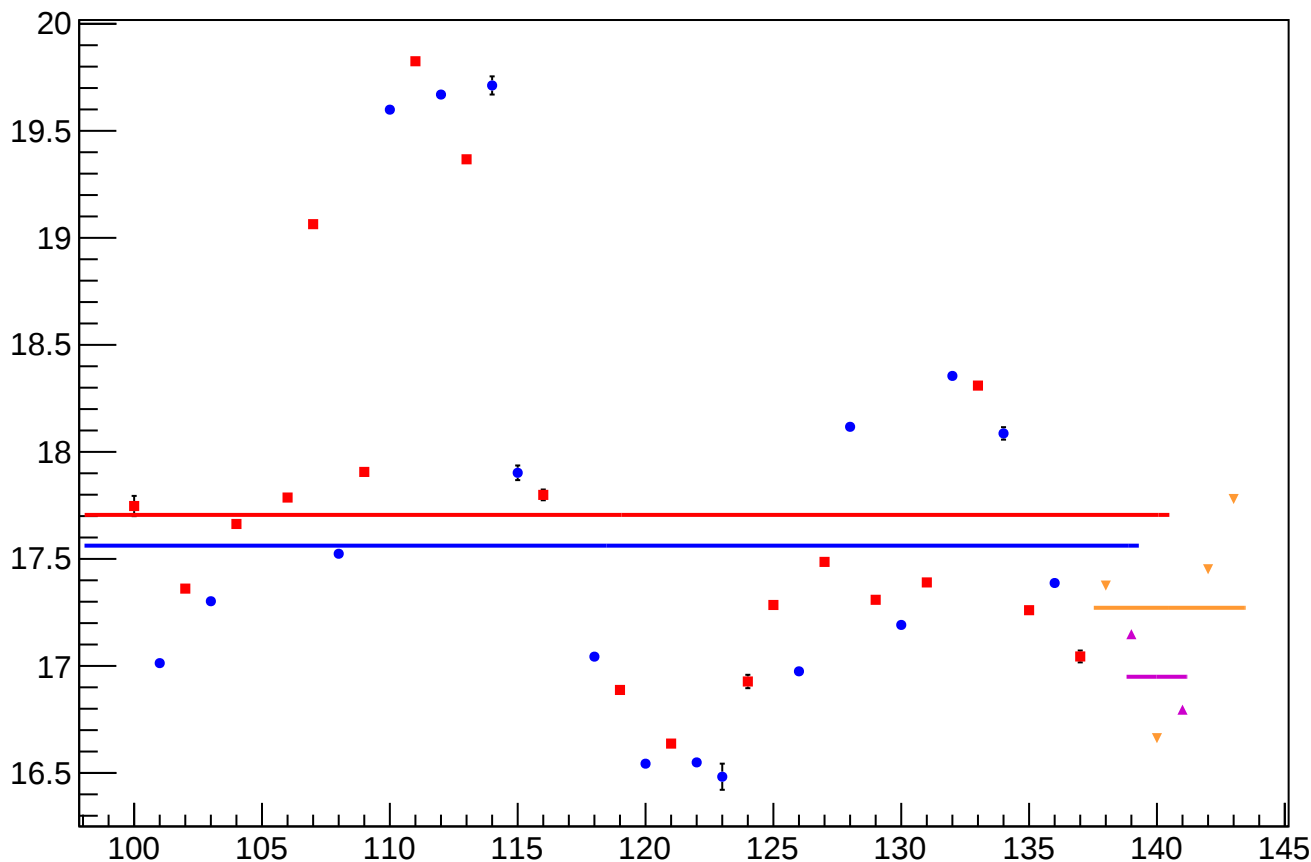
Right: -5.959 ± 4.747 χ^2/NDF : 24.5/35

In: 1.916 ± 6.084 χ^2/NDF : 12.7/18

Out: -9.184 ± 5.606 χ^2/NDF : 17.7/22

All: -4.087 ± 4.123 χ^2/NDF : 32.1/41

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.562 ± 0.005 $\chi^2/\text{NDF}: 33937.0/16$

Left Out: 17.272 ± 0.007 $\chi^2/\text{NDF}: 3532.9/3$

Right Out: 17.706 ± 0.005 $\chi^2/\text{NDF}: 30251.5/18$

Left In: 16.949 ± 0.010 $\chi^2/\text{NDF}: 324.5/1$

Left: 17.153 ± 0.006 $\chi^2/\text{NDF}: 4554.6/5$

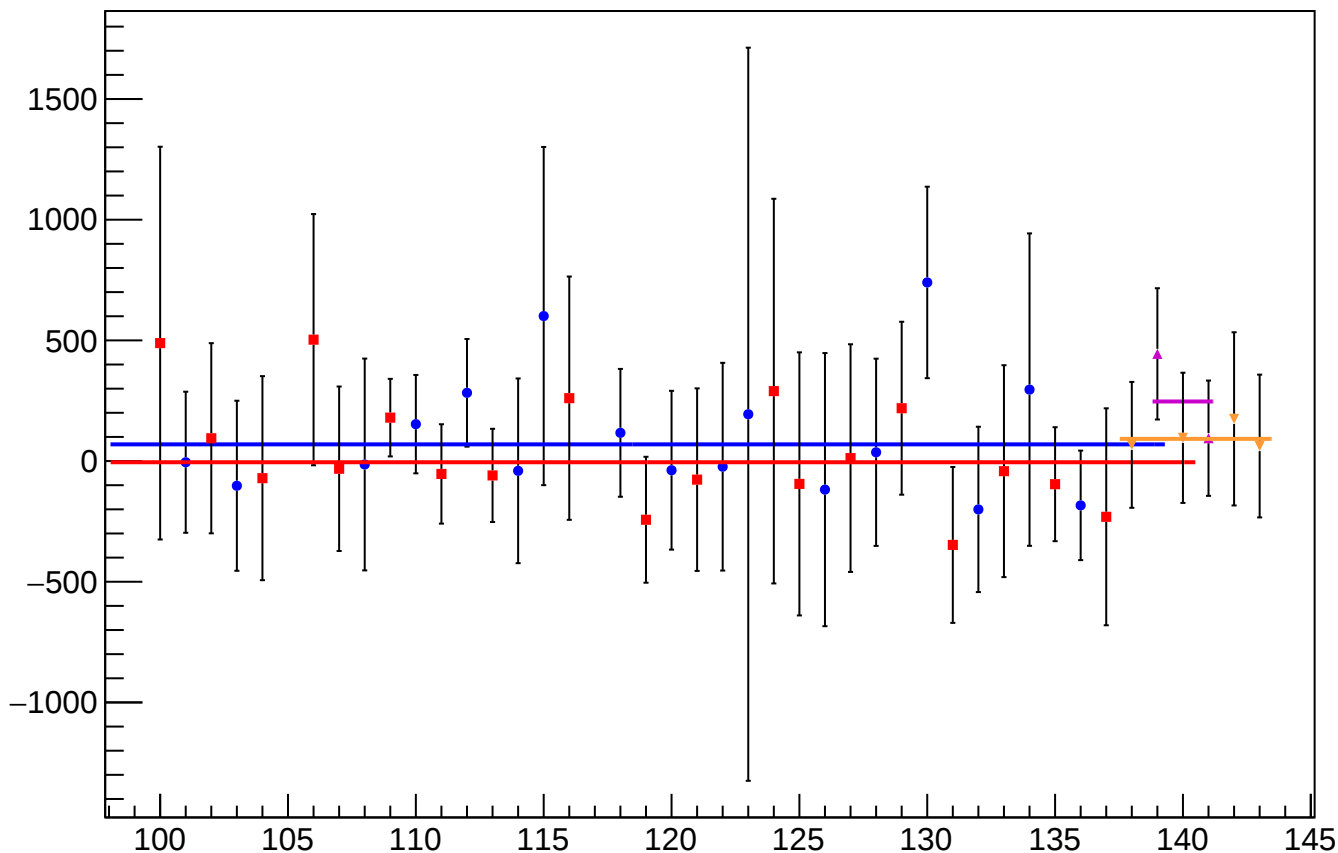
Right: 17.635 ± 0.003 $\chi^2/\text{NDF}: 64646.6/35$

In: 17.442 ± 0.004 $\chi^2/\text{NDF}: 37459.9/18$

Out: 17.581 ± 0.004 $\chi^2/\text{NDF}: 36240.8/22$

All: 17.517 ± 0.003 $\chi^2/\text{NDF}: 74266.2/41$

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 69.218+/-80.633 χ^2/NDF : 7.2/16

Left Out: 91.957+/-144.866 χ^2/NDF : 0.1/3

Right Out: -4.849+/-71.521 χ^2/NDF : 6.1/18

Left In: 246.867+/-179.453 χ^2/NDF : 0.9/1

Left: 153.078+/-112.721 χ^2/NDF : 1.5/5

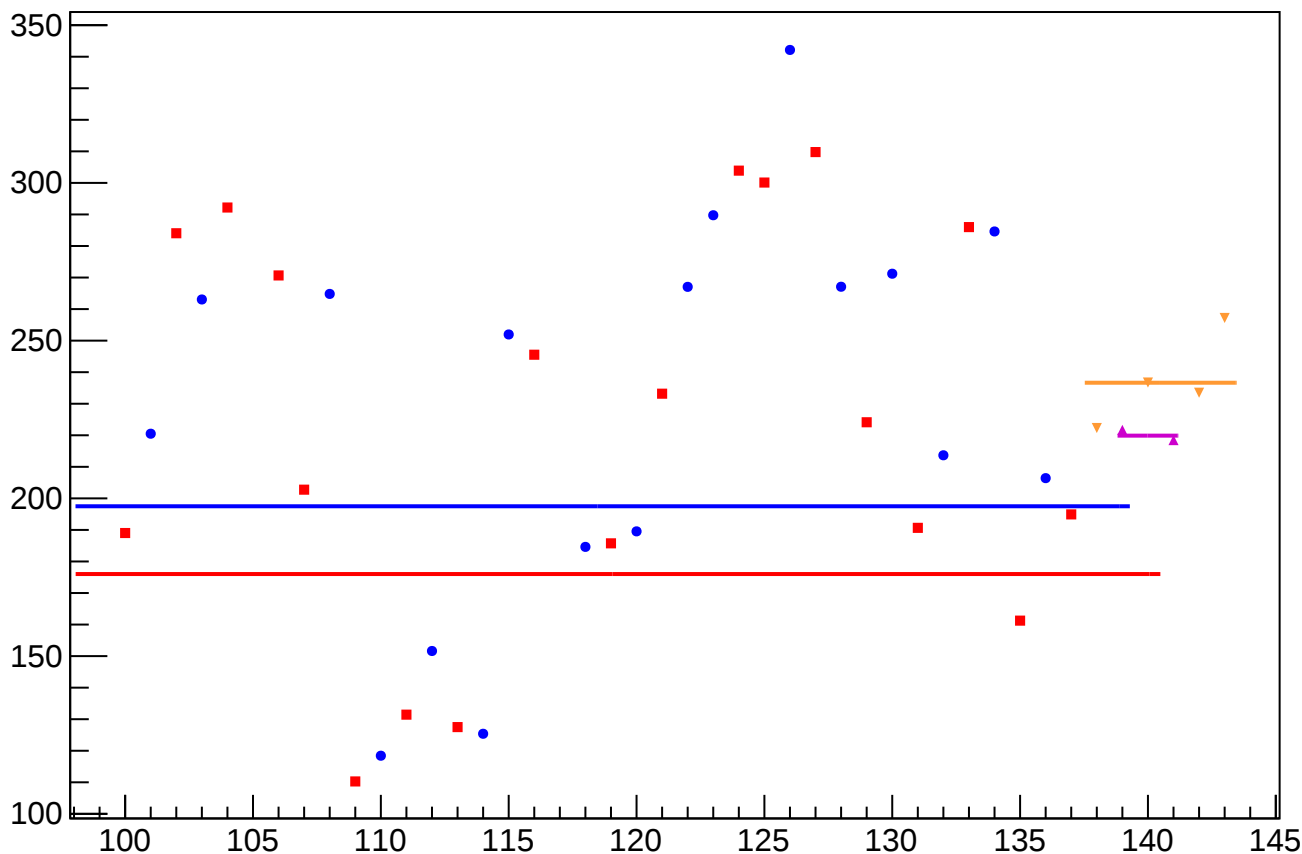
Right: 27.765+/-53.506 χ^2/NDF : 13.8/35

In: 99.059+/-73.549 χ^2/NDF : 9.0/18

Out: 14.123+/-64.131 χ^2/NDF : 6.5/22

All: 50.808+/-48.337 χ^2/NDF : 16.3/41

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.498 $\pm$ 0.057 χ^2 /NDF: 970879.0/16

Left Out: 236.658 $\pm$ 0.102 χ^2 /NDF:15849.2/3

Right Out: 176.016 $\pm$ 0.051 χ^2 /NDF: 1514778.3/18

Left In: 219.885 $\pm$ 0.127 χ^2 /NDF:160.6/1

Left: 230.040 $\pm$ 0.080 χ^2 /NDF: 26587.9/5

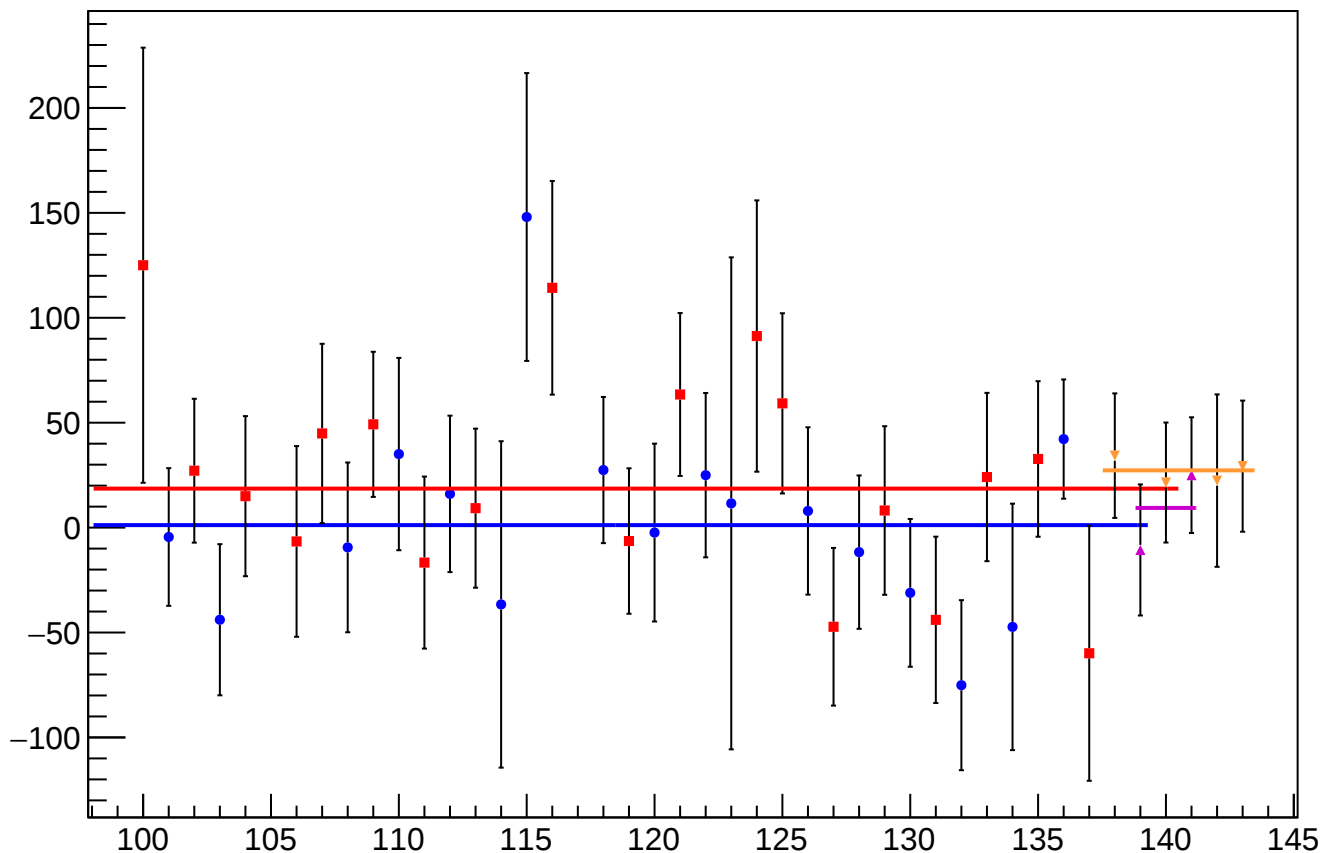
Right: 185.475 $\pm$ 0.038 χ^2 /NDF: 2565103.3/35

In: 201.258 $\pm$ 0.052 χ^2 /NDF:996938.9/18

Out: 187.900 $\pm$ 0.045 χ^2 /NDF:1812409.8/22

All: 193.670 $\pm$ 0.034 χ^2 /NDF: 2846825.9/41

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.189 ± 9.848 $\chi^2/\text{NDF}: 15.4/16$

Left Out: 27.288 ± 15.861 $\chi^2/\text{NDF}: 0.1/3$

Right Out: 18.582 ± 9.518 $\chi^2/\text{NDF}: 18.4/18$

Left In: 9.384 ± 20.667 $\chi^2/\text{NDF}: 0.7/1$

Left: 20.651 ± 12.583 $\chi^2/\text{NDF}: 1.3/5$

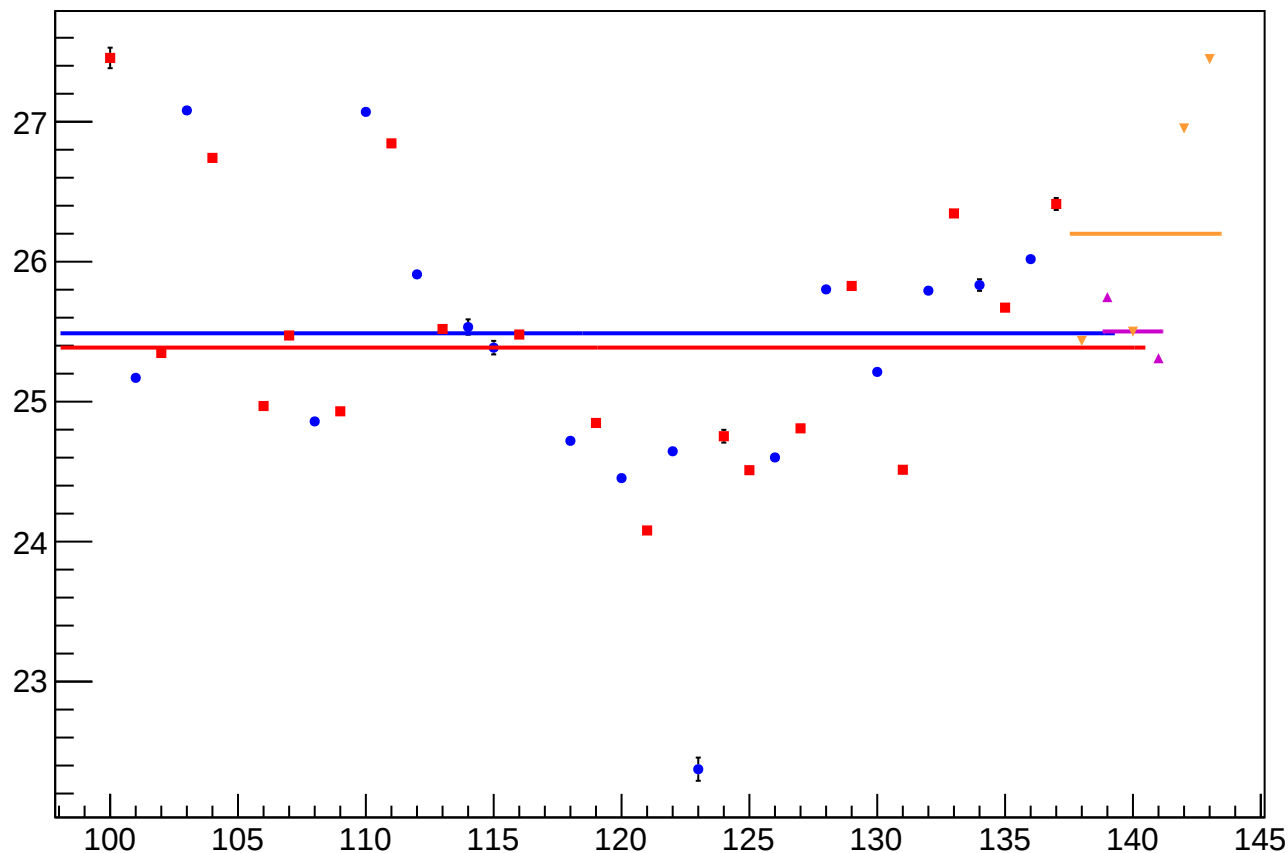
Right: 10.182 ± 6.844 $\chi^2/\text{NDF}: 35.5/35$

In: 2.706 ± 8.890 $\chi^2/\text{NDF}: 16.3/18$

Out: 20.887 ± 8.161 $\chi^2/\text{NDF}: 18.7/22$

All: 12.572 ± 6.012 $\chi^2/\text{NDF}: 37.3/41$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.488 $\pm$ 0.007 χ^2 /NDF: 13867.7/16

Left Out: 26.199 $\pm$ 0.011 χ^2 /NDF: 6388.5/3

Right Out: 25.386 $\pm$ 0.007 χ^2 /NDF: 13699.1/18

Left In: 25.502 $\pm$ 0.015 χ^2 /NDF: 219.7/1

Left: 25.941 $\pm$ 0.009 χ^2 /NDF: 8043.5/5

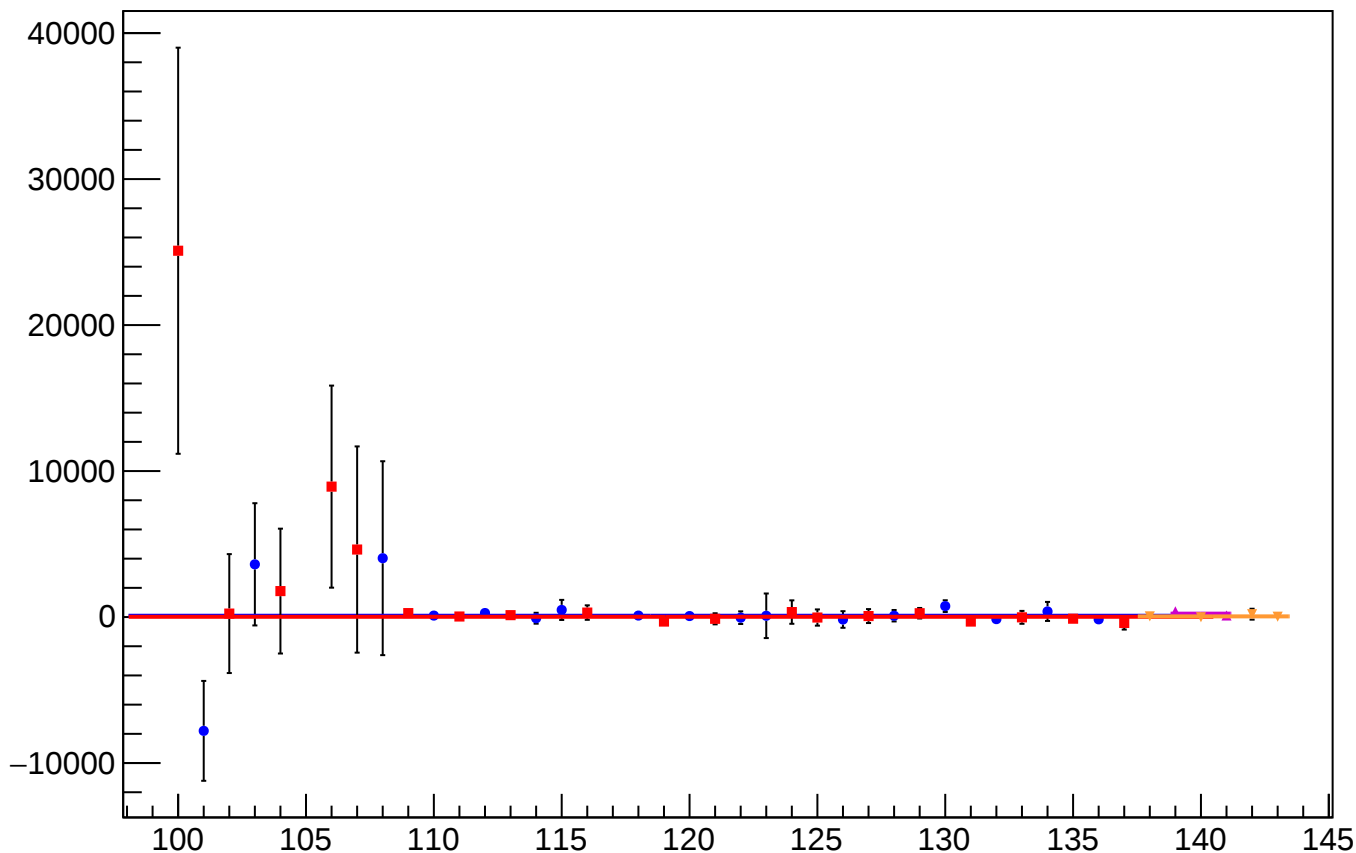
Right: 25.436 $\pm$ 0.005 χ^2 /NDF: 27678.0/35

In: 25.491 $\pm$ 0.006 χ^2 /NDF: 14088.0/18

Out: 25.602 $\pm$ 0.006 χ^2 /NDF: 23952.6/22

All: 25.551 $\pm$ 0.004 χ^2 /NDF: 38209.1/41

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 89.231+/-87.920 χ^2/NDF : 12.5/16

Left Out: 46.102+/-145.423 χ^2/NDF : 0.2/3

Right Out: 18.864+/-80.923 χ^2/NDF : 12.0/18

Left In: 232.912+/-176.349 χ^2/NDF : 0.7/1

Left: 121.717+/-112.195 χ^2/NDF : 1.5/5

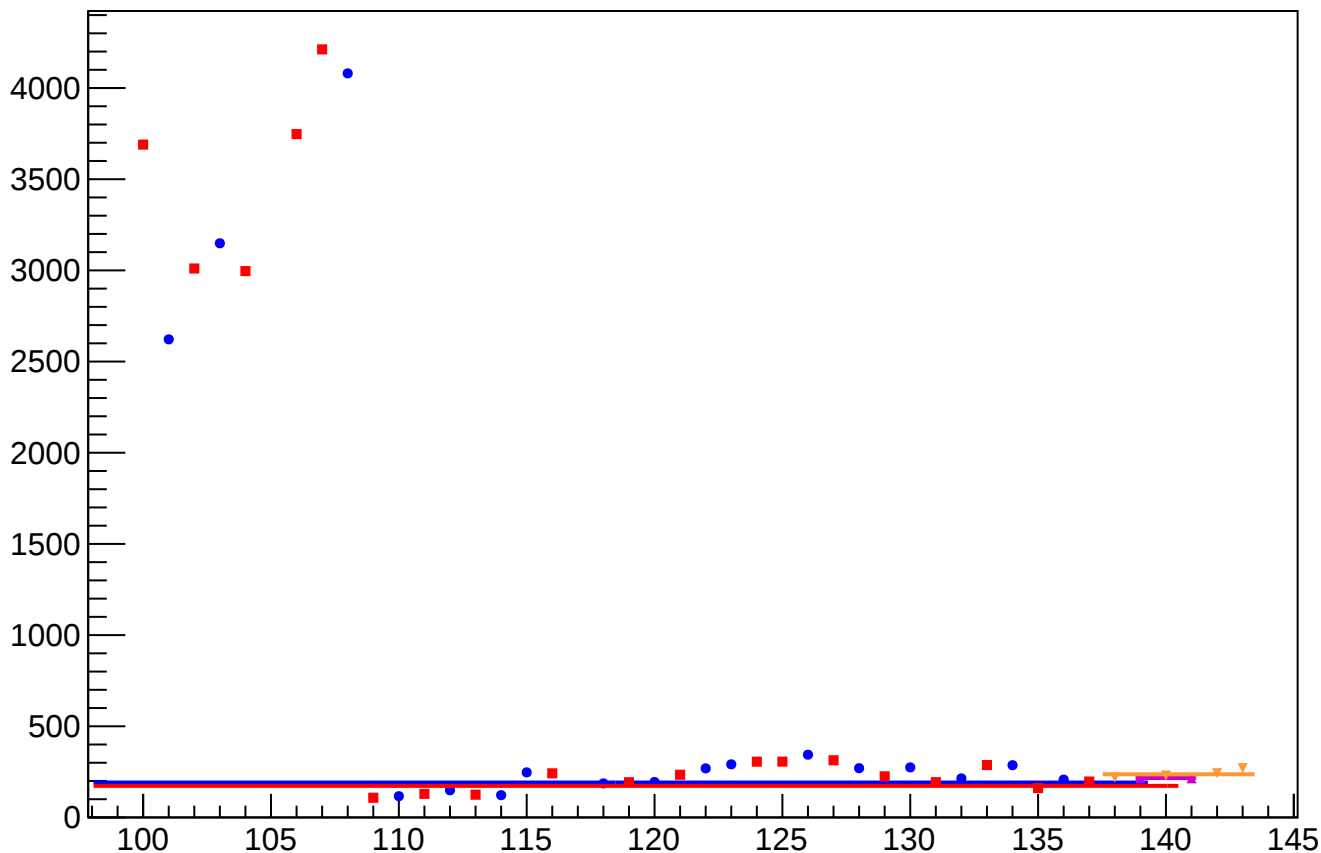
Right: 51.137+/-59.541 χ^2/NDF : 24.8/35

In: 117.835+/-78.684 χ^2/NDF : 13.7/18

Out: 25.304+/-70.712 χ^2/NDF : 12.2/22

All: 66.646+/-52.594 χ^2/NDF : 26.6/41

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.422+/-0.062 χ^2/NDF : 3573556.6/16

Left Out: 237.027+/-0.103 χ^2/NDF : 34985.1/3

Right Out: 173.068+/-0.057 χ^2/NDF : 4201509.7/18

Left In: 215.962+/-0.125 χ^2/NDF : 112.8/1

Left: 228.501+/-0.079 χ^2/NDF : 52084.1/5

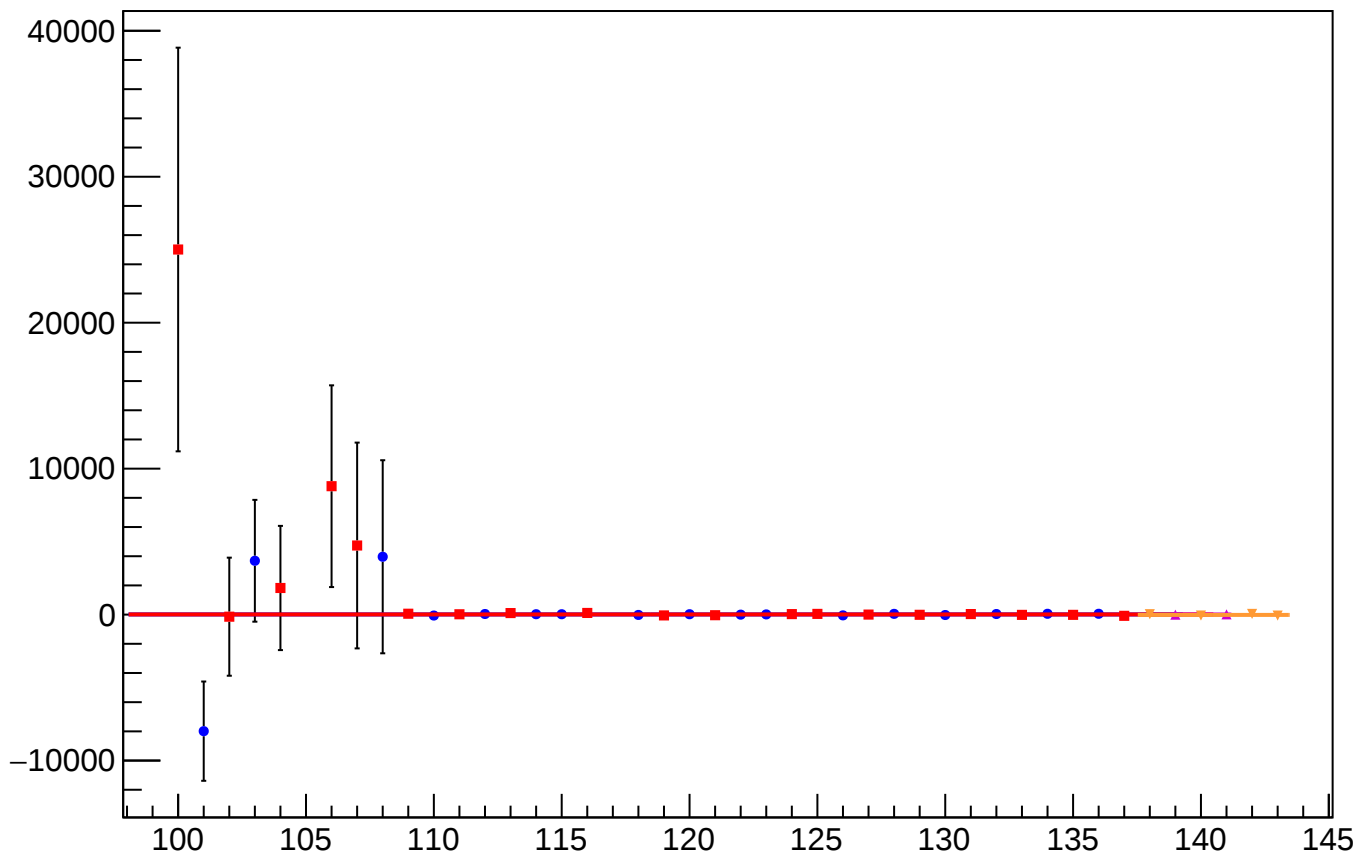
Right: 181.486+/-0.042 χ^2/NDF : 7822251.9/35

In: 196.308+/-0.056 χ^2/NDF : 3604687.4/18

Out: 188.191+/-0.050 χ^2/NDF : 4531893.9/22

All: 191.817+/-0.037 χ^2/NDF : 8148355.5/41

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 11.464+/-12.227 χ^2/NDF : 18.3/16

Left Out: -20.800+/-18.495 χ^2/NDF : 7.3/3

Right Out: 11.883+/-12.264 χ^2/NDF : 23.9/18

Left In: 8.716+/-23.129 χ^2/NDF : 0.2/1

Left: -9.288+/-14.445 χ^2/NDF : 8.5/5

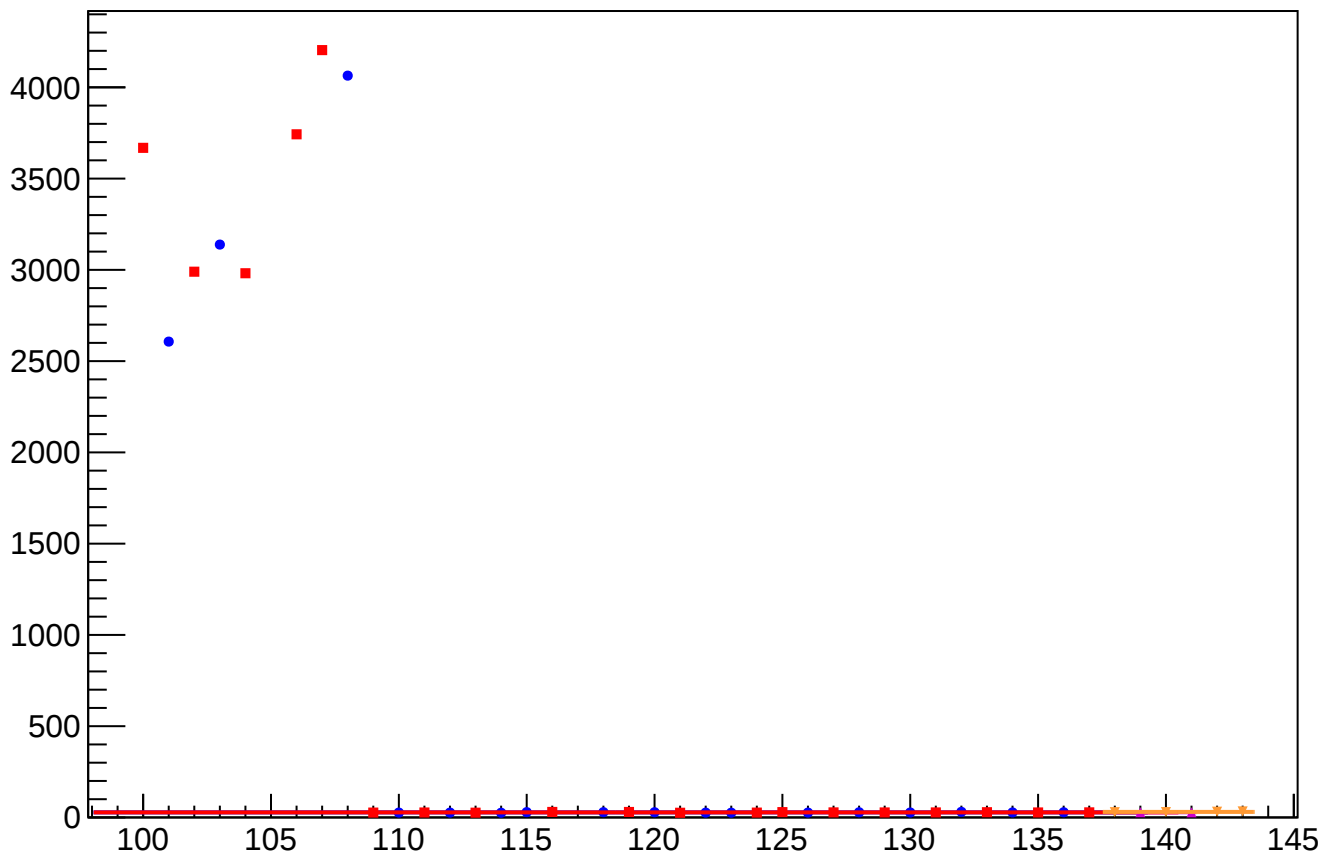
Right: 11.673+/-8.659 χ^2/NDF : 42.1/35

In: 10.864+/-10.810 χ^2/NDF : 18.5/18

Out: 1.901+/-10.221 χ^2/NDF : 33.3/22

All: 6.132+/-7.427 χ^2/NDF : 52.2/41

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.858 $\pm$ 0.009 χ^2 /NDF: 3026949.6/16

Left Out: 30.394 $\pm$ 0.013 χ^2 /NDF:16867.3/3

Right Out: 27.714 $\pm$ 0.009 χ^2 /NDF: 3476894.0/18

Left In: 28.502 $\pm$ 0.016 χ^2 /NDF:365.5/1

Left: 29.656 $\pm$ 0.010 χ^2 /NDF: 25401.6/5

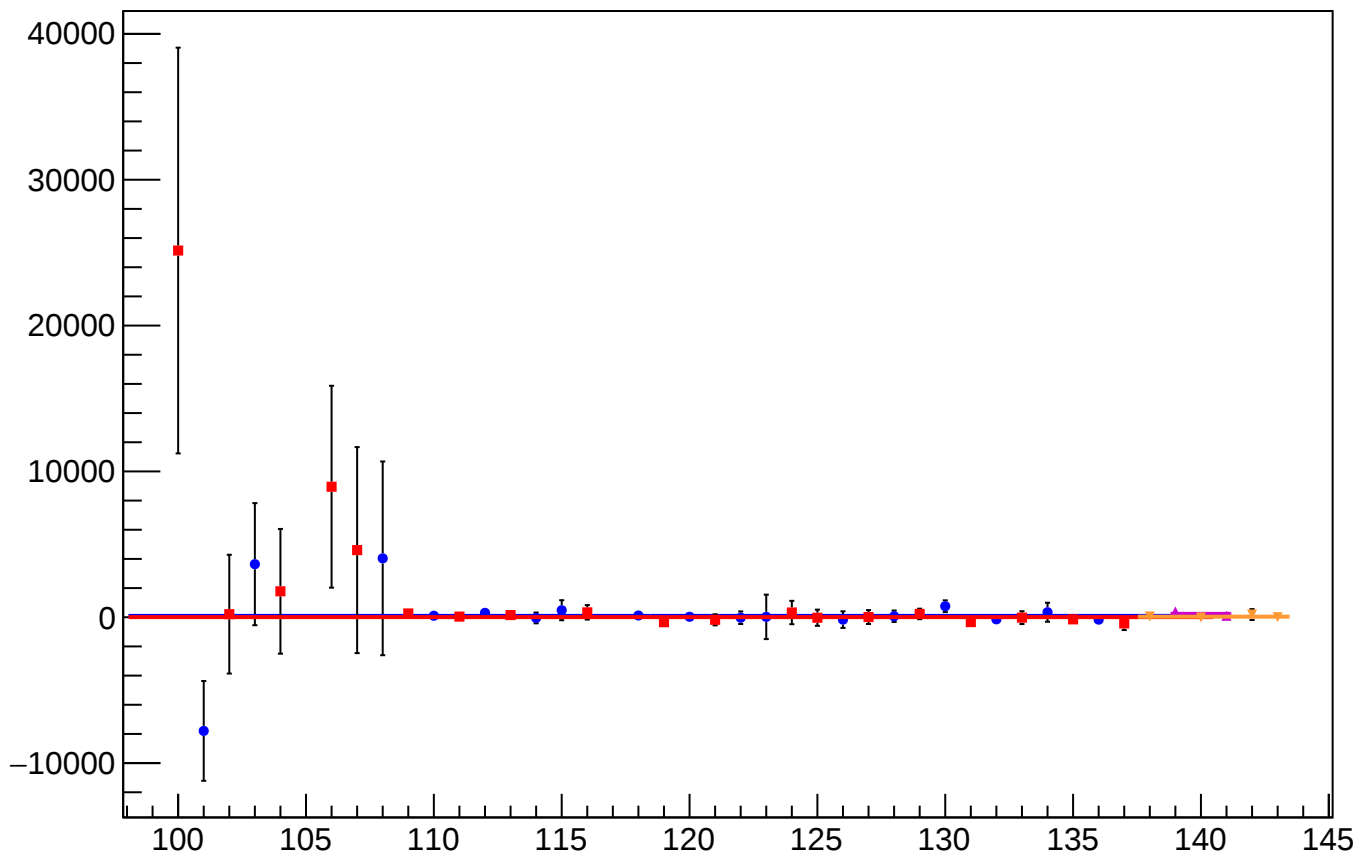
Right: 27.786 $\pm$ 0.006 χ^2 /NDF: 6503982.3/35

In: 27.999 $\pm$ 0.008 χ^2 /NDF:3028526.3/18

Out: 28.532 $\pm$ 0.007 χ^2 /NDF:3522944.4/22

All: 28.280 $\pm$ 0.005 χ^2 /NDF: 6554046.6/41

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 93.805+/-87.646 χ^2/NDF : 12.7/16

Left Out: 40.471+/-145.094 χ^2/NDF : 0.2/3

Right Out: 9.116+/-80.662 χ^2/NDF : 12.8/18

Left In: 232.119+/-175.986 χ^2/NDF : 0.7/1

Left: 118.025+/-111.951 χ^2/NDF : 1.6/5

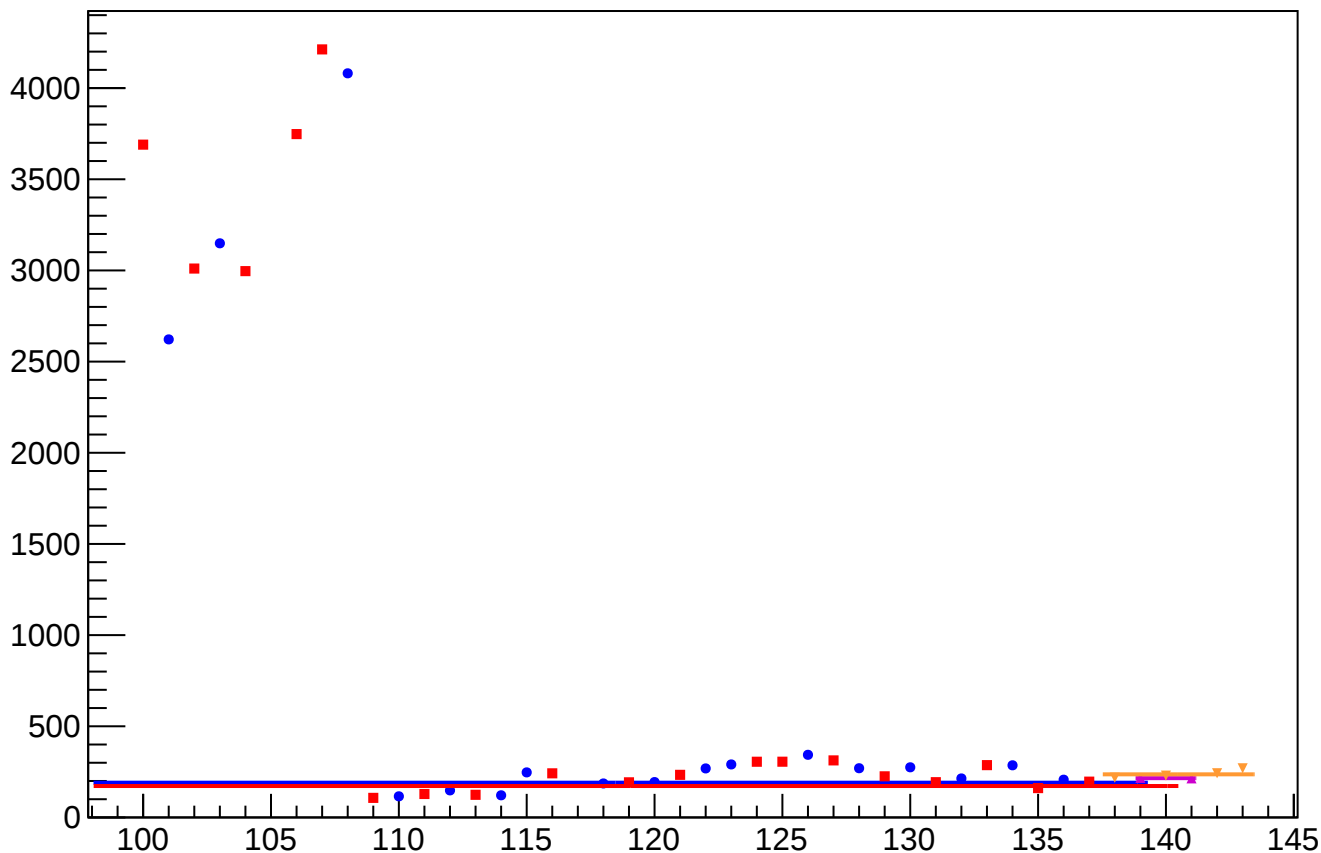
Right: 47.952+/-59.352 χ^2/NDF : 26.0/35

In: 121.294+/-78.455 χ^2/NDF : 13.9/18

Out: 16.519+/-70.500 χ^2/NDF : 13.0/22

All: 63.326+/-52.439 χ^2/NDF : 27.9/41

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 190.712 $\pm$ 0.062 χ^2 /NDF: 3585407.6/16

Left Out: 236.483 $\pm$ 0.103 χ^2 /NDF: 35336.4/3

Right Out: 172.402 $\pm$ 0.057 χ^2 /NDF: 4212674.3/18

Left In: 215.517 $\pm$ 0.124 χ^2 /NDF: 112.2/1

Left: 227.999 $\pm$ 0.079 χ^2 /NDF: 52348.4/5

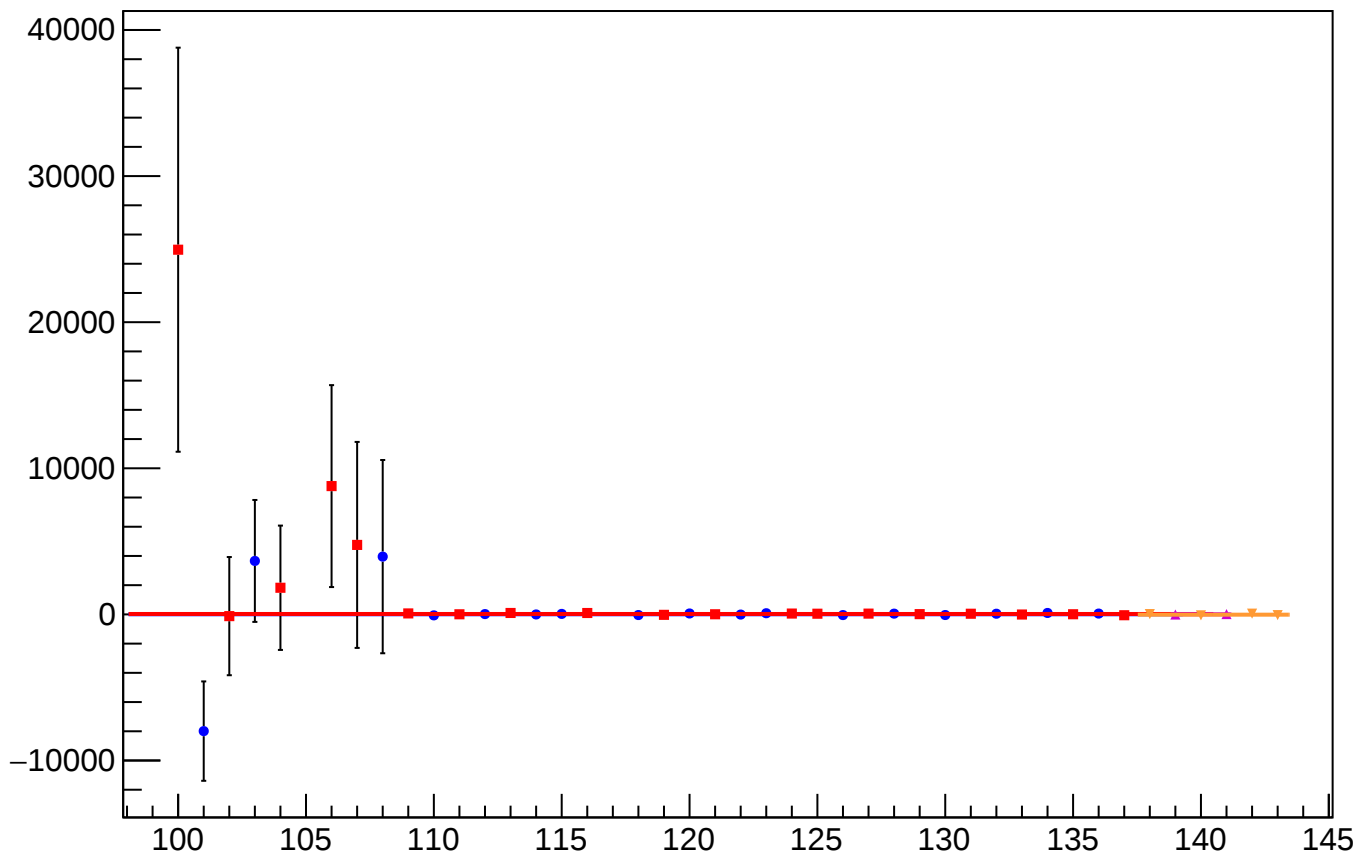
Right: 180.799 $\pm$ 0.042 χ^2 /NDF: 7845341.0/35

In: 195.642 $\pm$ 0.055 χ^2 /NDF: 3617354.5/18

Out: 187.531 $\pm$ 0.050 χ^2 /NDF: 4546021.7/22

All: 191.155 $\pm$ 0.037 χ^2 /NDF: 8175202.5/41

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 9.486+/-12.310 χ^2/NDF : 22.5/16

Left Out: -19.014+/-18.600 χ^2/NDF : 6.0/3

Right Out: 28.414+/-12.365 χ^2/NDF : 16.2/18

Left In: 9.348+/-23.204 χ^2/NDF : 0.4/1

Left: -7.919+/-14.513 χ^2/NDF : 7.3/5

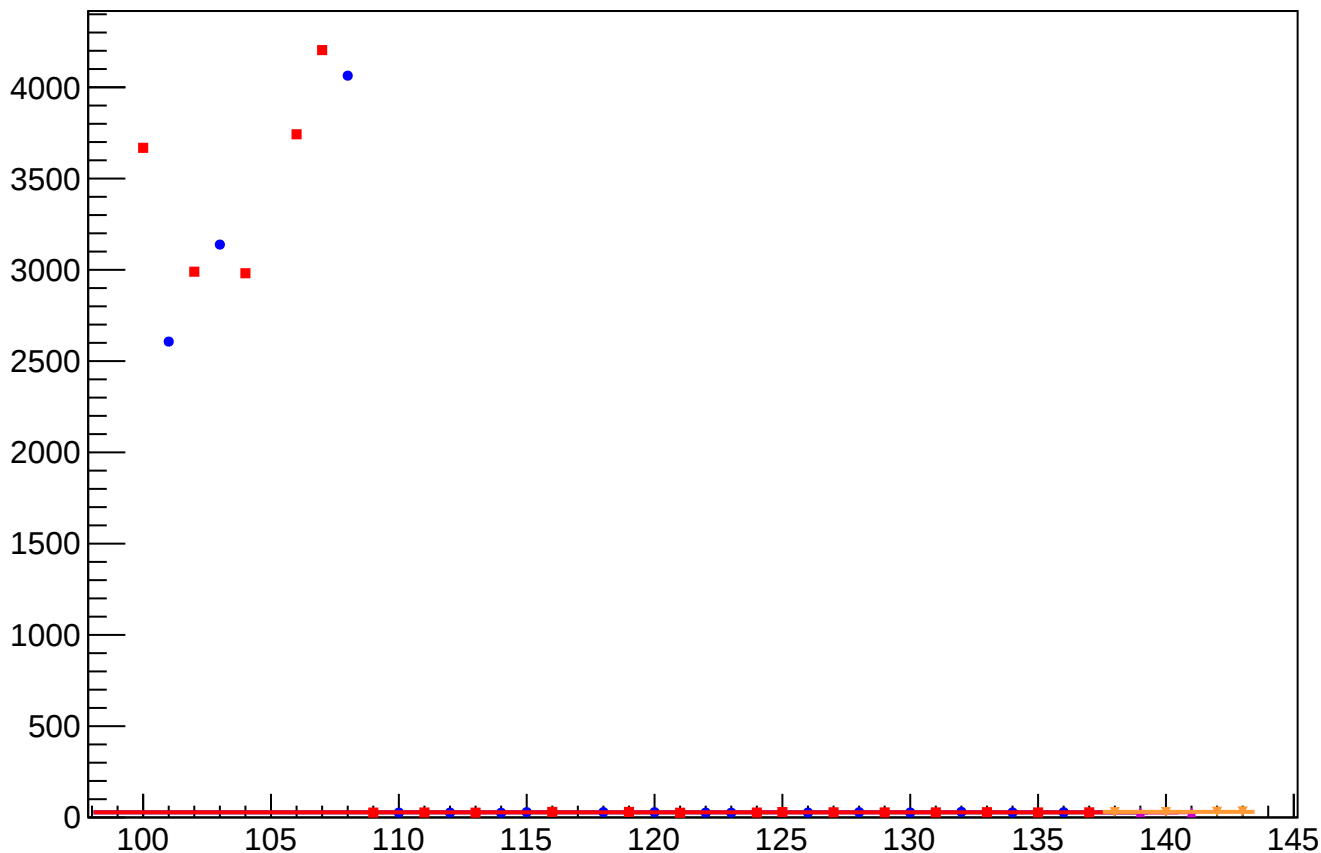
Right: 18.908+/-8.724 χ^2/NDF : 39.9/35

In: 9.456+/-10.874 χ^2/NDF : 22.9/18

Out: 13.879+/-10.297 χ^2/NDF : 26.7/22

All: 11.788+/-7.477 χ^2/NDF : 49.7/41

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 28.041 $\pm$ 0.009 χ^2 /NDF: 3027315.2/16

Left Out: 30.563 $\pm$ 0.013 χ^2 /NDF:17253.4/3

Right Out: 27.934 $\pm$ 0.009 χ^2 /NDF: 3479779.2/18

Left In: 28.593 $\pm$ 0.016 χ^2 /NDF:502.0/1

Left: 29.793 $\pm$ 0.010 χ^2 /NDF: 26530.7/5

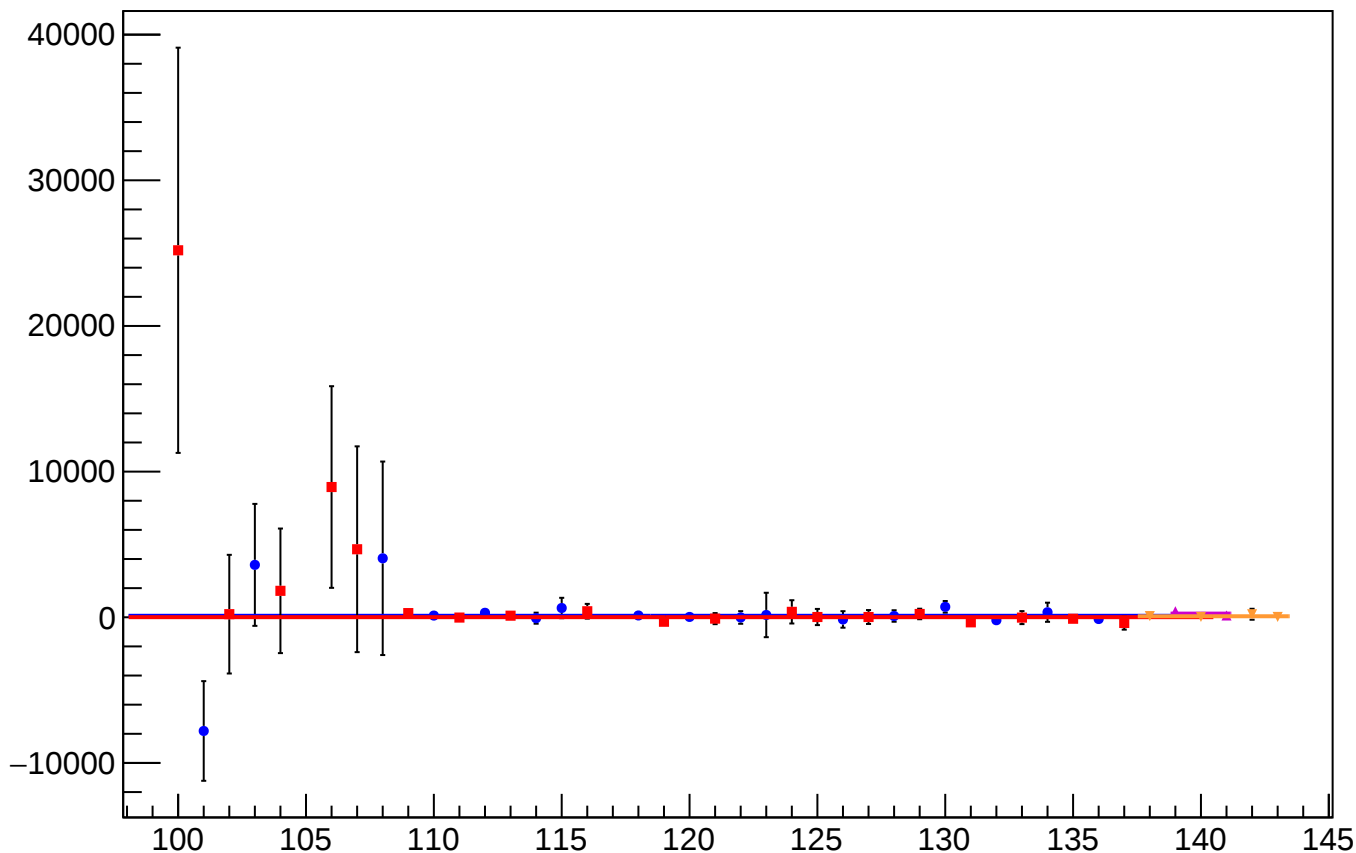
Right: 27.988 $\pm$ 0.006 χ^2 /NDF: 6507169.2/35

In: 28.162 $\pm$ 0.008 χ^2 /NDF:3028701.2/18

Out: 28.740 $\pm$ 0.007 χ^2 /NDF:3524739.2/22

All: 28.467 $\pm$ 0.005 χ^2 /NDF: 6556416.0/41

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 101.587 $\pm$ 88.682 χ^2 /NDF: 12.5/16

Left Out: 70.044 $\pm$ 147.127 χ^2 /NDF:0.2/3

Right Out: 7.957 $\pm$ 81.751 χ^2 /NDF: 12.3/18

Left In: 251.384 $\pm$ 178.366 χ^2 /NDF:0.7/1

Left: 143.469 $\pm$ 113.497 χ^2 /NDF: 1.5/5

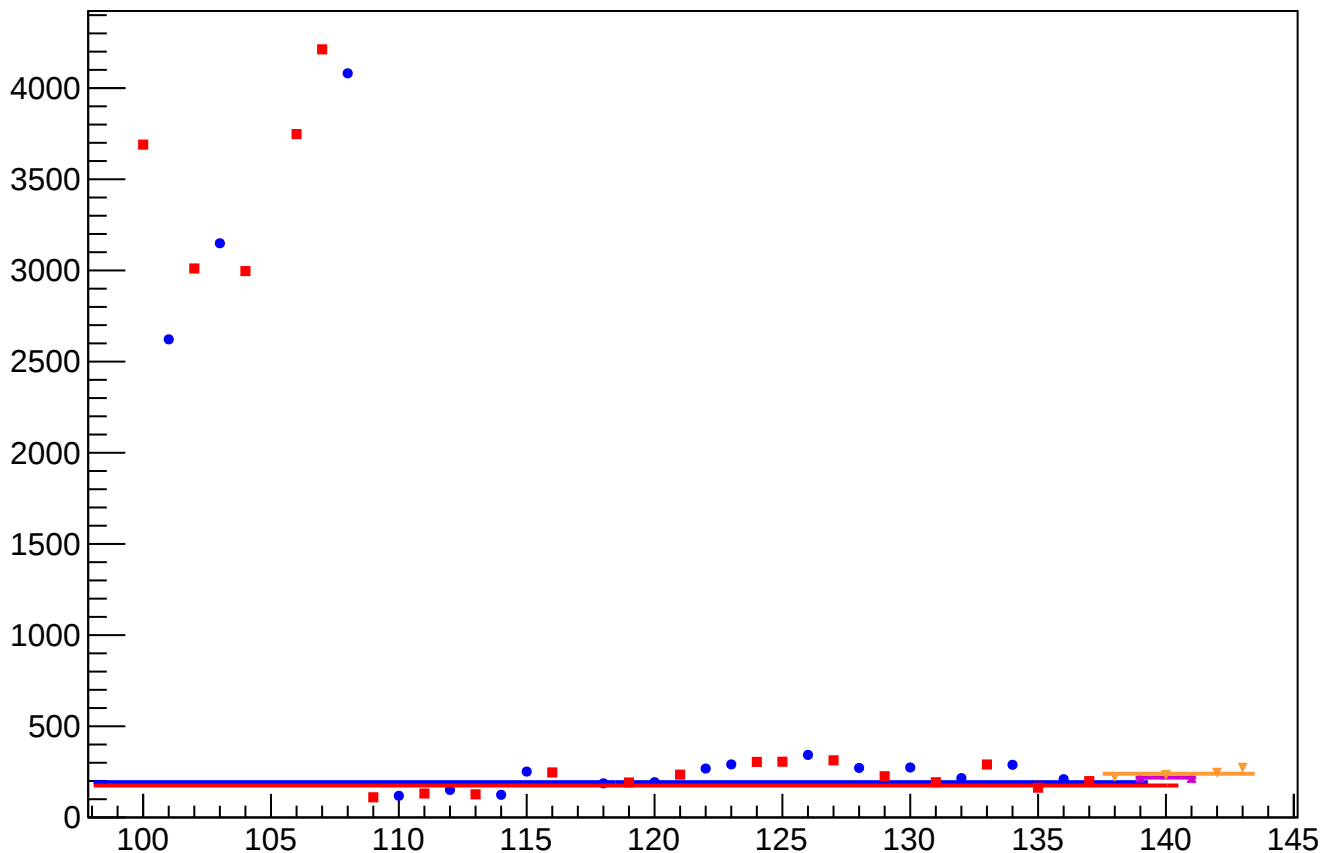
Right: 50.971 $\pm$ 60.108 χ^2 /NDF: 25.4/35

In: 131.277 $\pm$ 79.409 χ^2 /NDF:13.8/18

Out: 22.604 $\pm$ 71.460 χ^2 /NDF:12.6/22

All: 71.232 $\pm$ 53.119 χ^2 /NDF: 27.4/41

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.420+/-0.063 χ^2/NDF : 3538238.9/16

Left Out: 239.871+/-0.104 χ^2/NDF :32969.1/3

Right Out: 175.281+/-0.058 χ^2/NDF : 4160209.8/18

Left In: 218.461+/-0.126 χ^2/NDF :105.0/1

Left: 231.202+/-0.080 χ^2/NDF : 50222.9/5

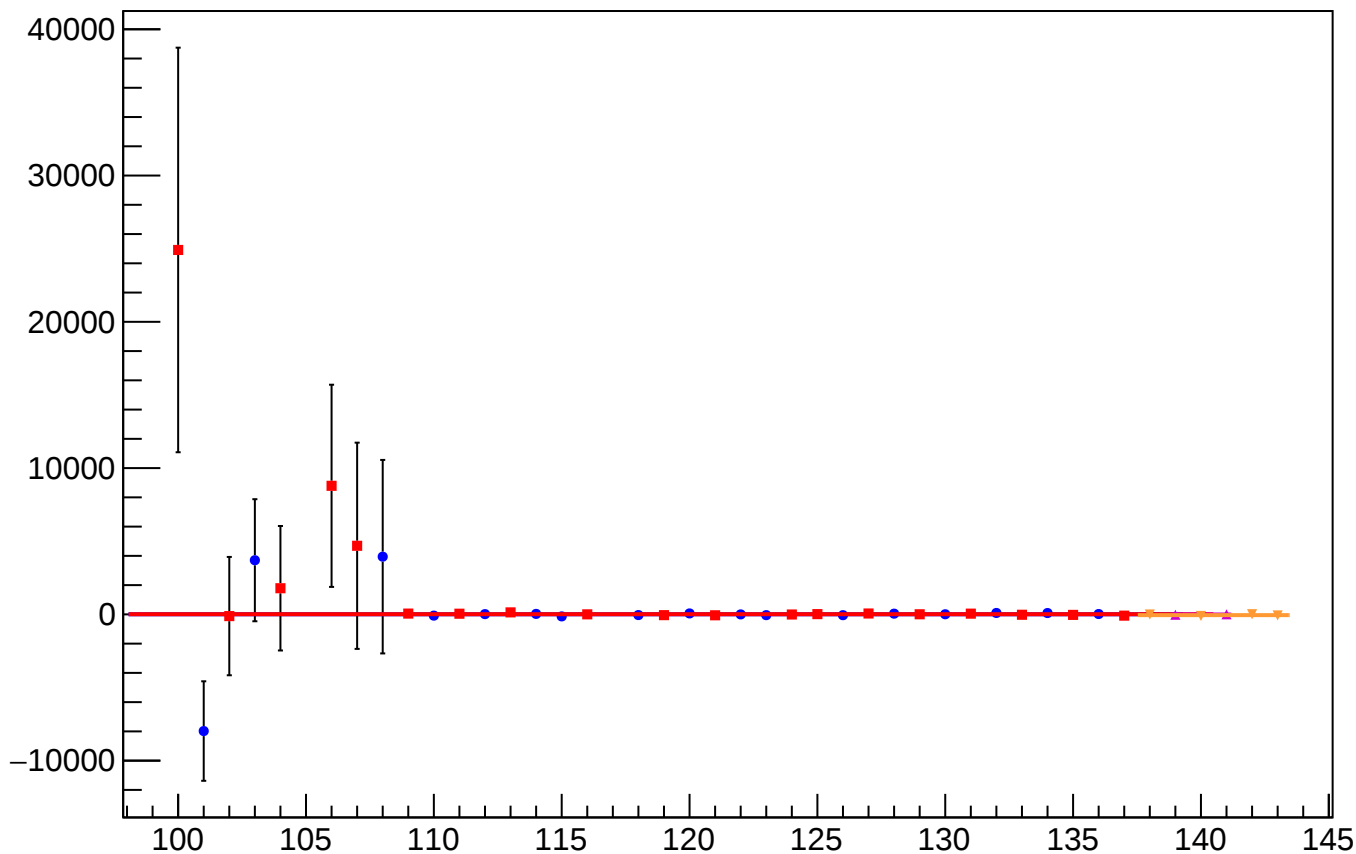
Right: 183.614+/-0.043 χ^2/NDF : 7743679.8/35

In: 198.383+/-0.056 χ^2/NDF :3569950.7/18

Out: 190.519+/-0.051 χ^2/NDF :4487701.4/22

All: 194.038+/-0.038 χ^2/NDF : 8068490.7/41

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.177+/-14.983 χ^2/NDF : 20.1/16

Left Out: -51.649+/-22.138 χ^2/NDF : 4.5/3

Right Out: 11.632+/-14.990 χ^2/NDF : 21.2/18

Left In: -7.990+/-28.335 χ^2/NDF : 0.3/1

Left: -35.101+/-17.445 χ^2/NDF : 6.3/5

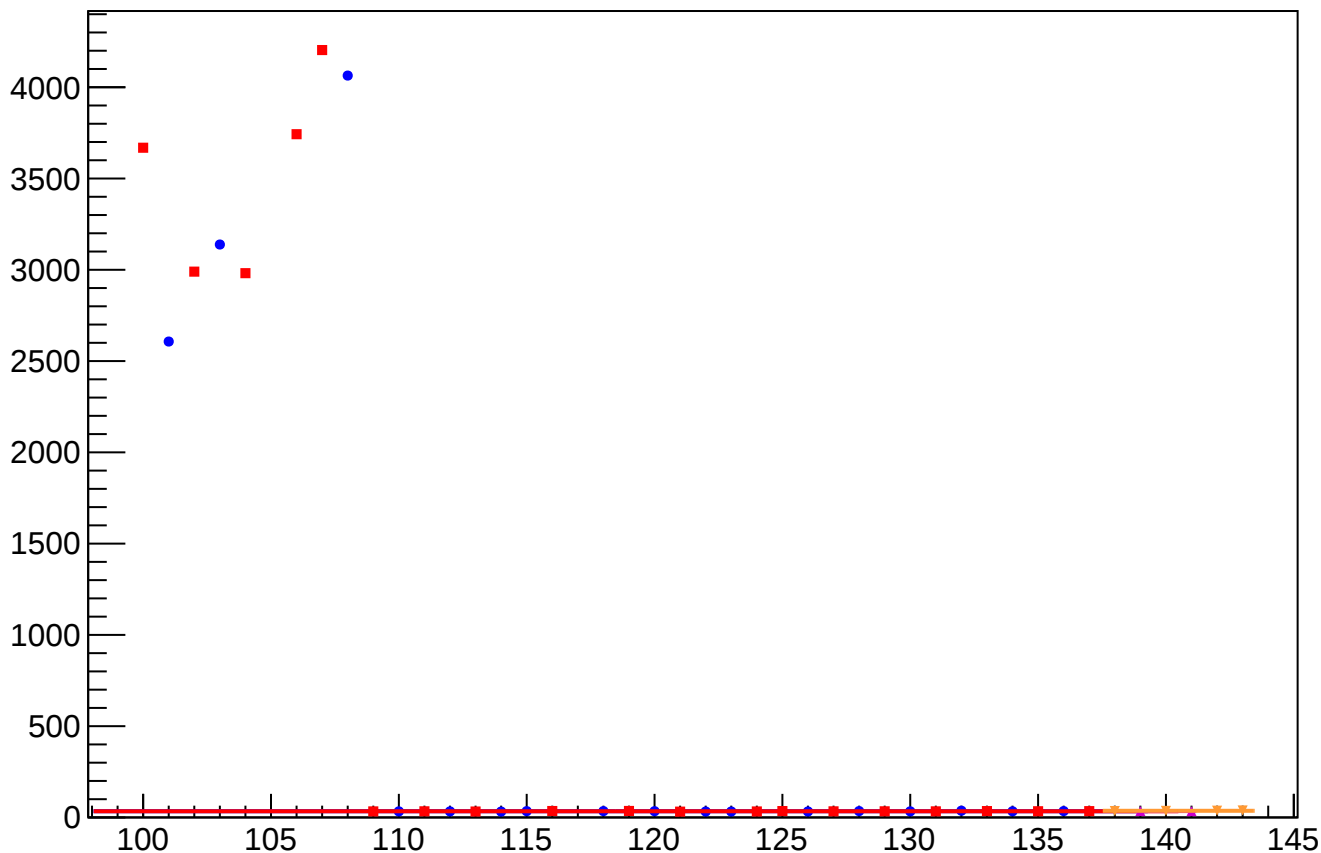
Right: 8.903+/-10.597 χ^2/NDF : 41.4/35

In: 3.081+/-13.245 χ^2/NDF : 20.6/18

Out: -8.261+/-12.412 χ^2/NDF : 31.3/22

All: -2.958+/-9.057 χ^2/NDF : 52.3/41

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 34.169+/-0.011 χ^2/NDF : 3006128.0/16

Left Out: 36.481+/-0.016 χ^2/NDF :6105.1/3

Right Out: 33.933+/-0.011 χ^2/NDF : 3451992.5/18

Left In: 34.945+/-0.020 χ^2/NDF :188.4/1

Left: 35.899+/-0.012 χ^2/NDF : 9942.3/5

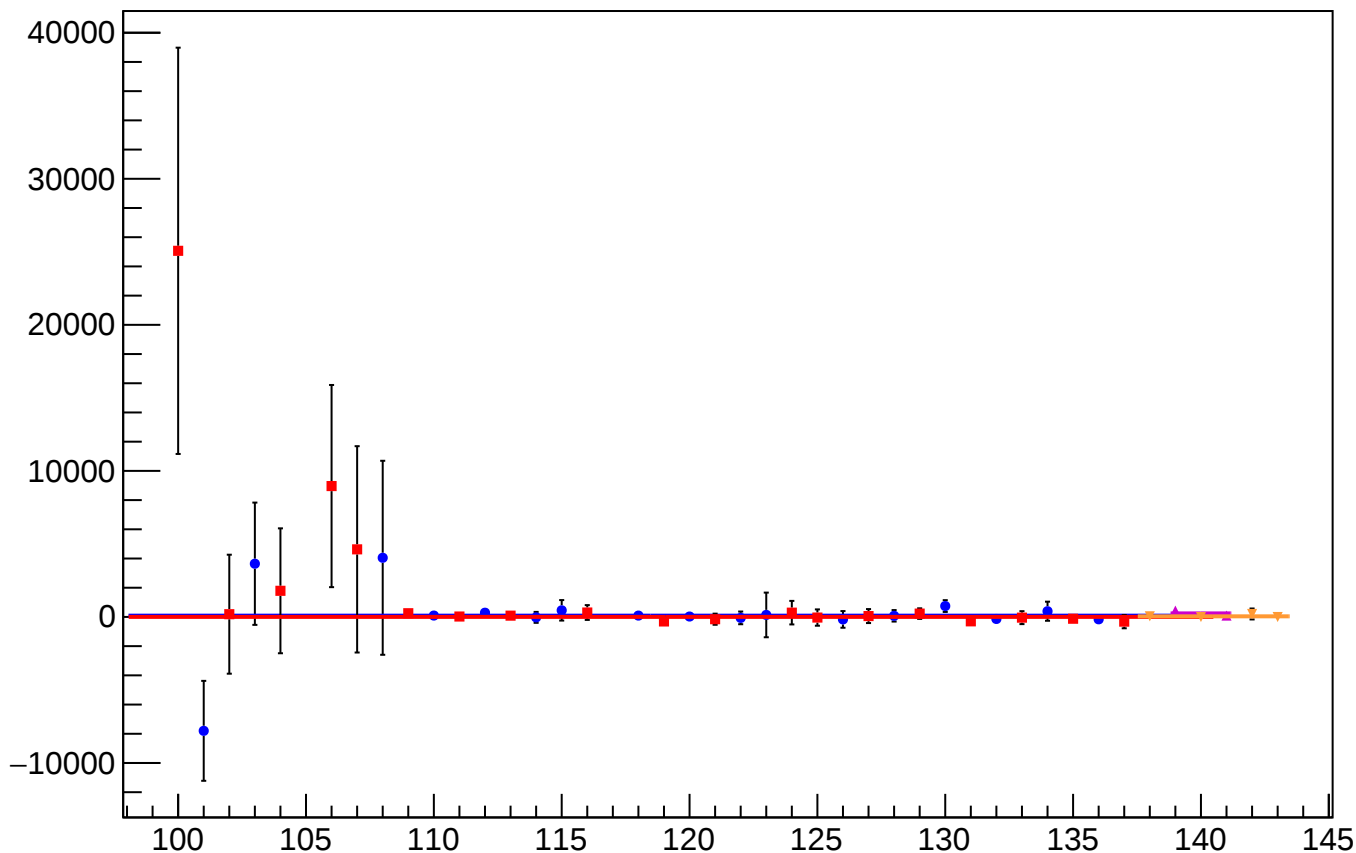
Right: 34.051+/-0.007 χ^2/NDF : 6458368.2/35

In: 34.338+/-0.009 χ^2/NDF :3007490.5/18

Out: 34.734+/-0.009 χ^2/NDF :3476267.6/22

All: 34.549+/-0.006 χ^2/NDF : 6484707.7/41

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 86.712+/-88.241 χ^2/NDF : 12.5/16

Left Out: 41.522+/-145.864 χ^2/NDF : 0.2/3

Right Out: 3.827+/-81.231 χ^2/NDF : 11.1/18

Left In: 241.584+/-177.047 χ^2/NDF : 0.9/1

Left: 122.411+/-112.578 χ^2/NDF : 1.9/5

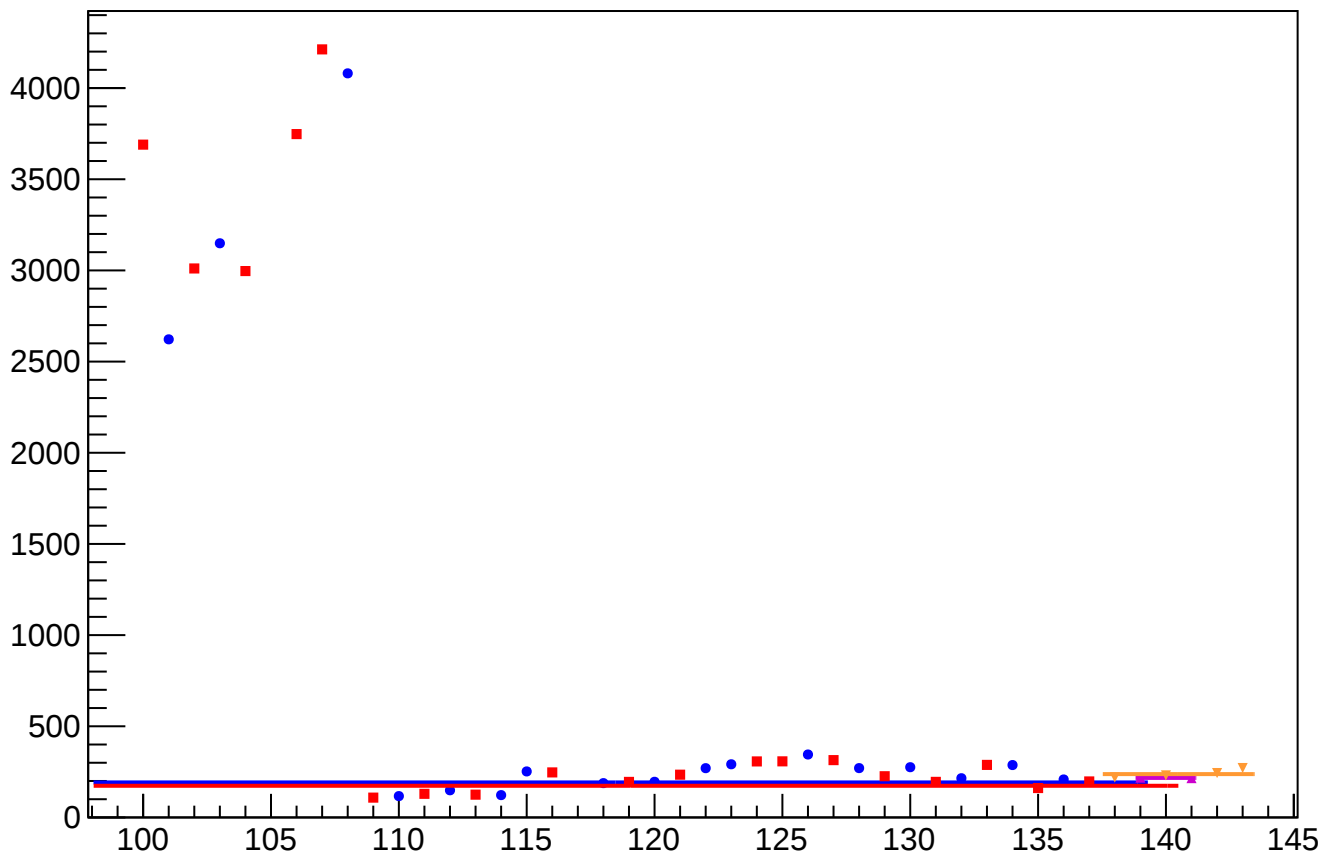
Right: 41.847+/-59.764 χ^2/NDF : 24.1/35

In: 117.528+/-78.976 χ^2/NDF : 14.0/18

Out: 12.750+/-70.968 χ^2/NDF : 11.4/22

All: 59.560+/-52.787 χ^2/NDF : 26.4/41

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.118+/-0.062 χ^2/NDF : 3575311.3/16

Left Out: 237.741+/-0.103 χ^2/NDF :35408.0/3

Right Out: 173.728+/-0.057 χ^2/NDF : 4205626.6/18

Left In: 216.823+/-0.125 χ^2/NDF :100.0/1

Left: 229.283+/-0.080 χ^2/NDF : 52138.9/5

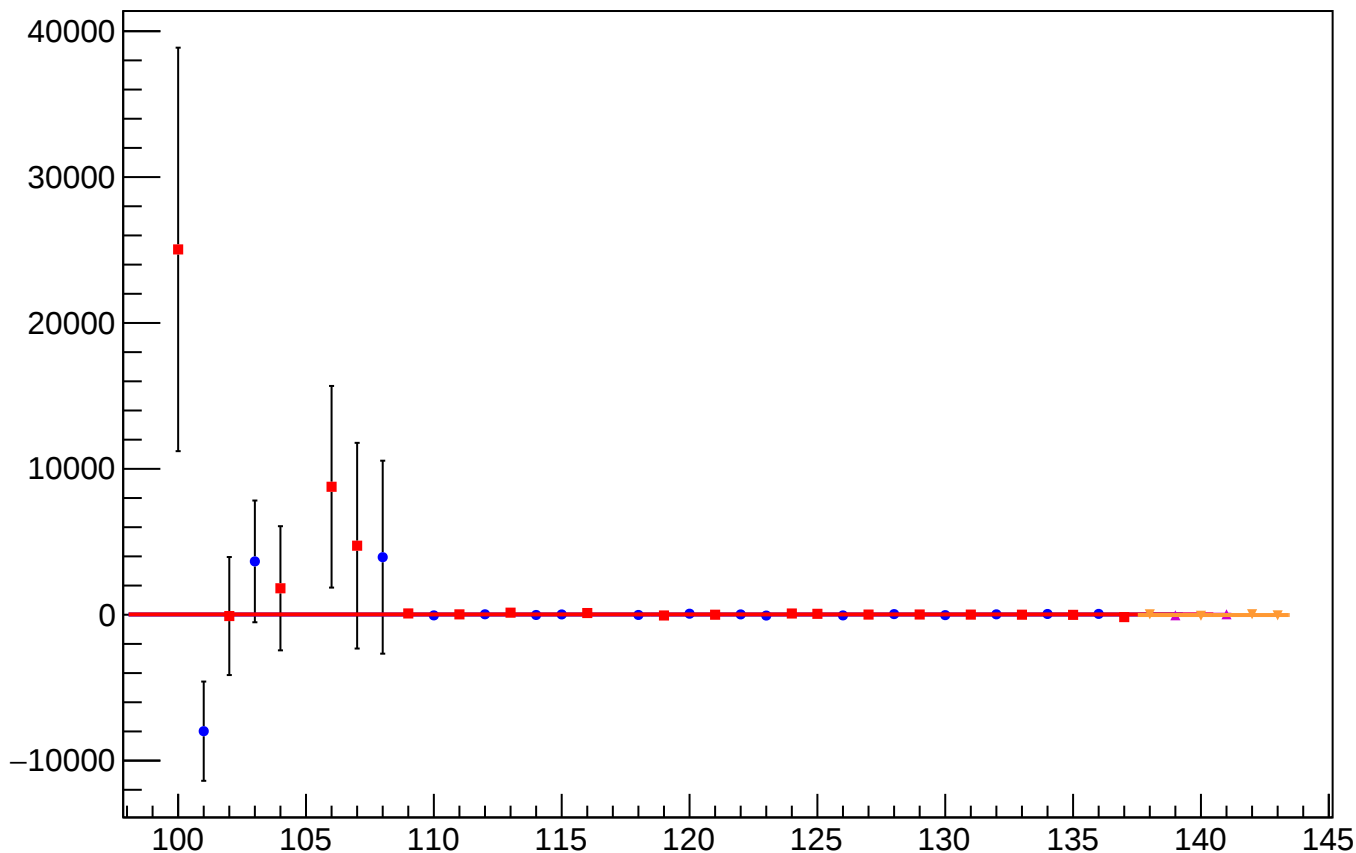
Right: 182.163+/-0.042 χ^2/NDF : 7827959.7/35

In: 197.034+/-0.056 χ^2/NDF :3606604.0/18

Out: 188.881+/-0.050 χ^2/NDF :4535043.8/22

All: 192.523+/-0.037 χ^2/NDF : 8153440.1/41

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 14.225+/-13.662 χ^2/NDF : 14.8/16

Left Out: -20.011+/-20.235 χ^2/NDF : 5.1/3

Right Out: 22.859+/-13.697 χ^2/NDF : 27.3/18

Left In: 1.835+/-25.471 χ^2/NDF : 1.8/1

Left: -11.558+/-15.844 χ^2/NDF : 7.4/5

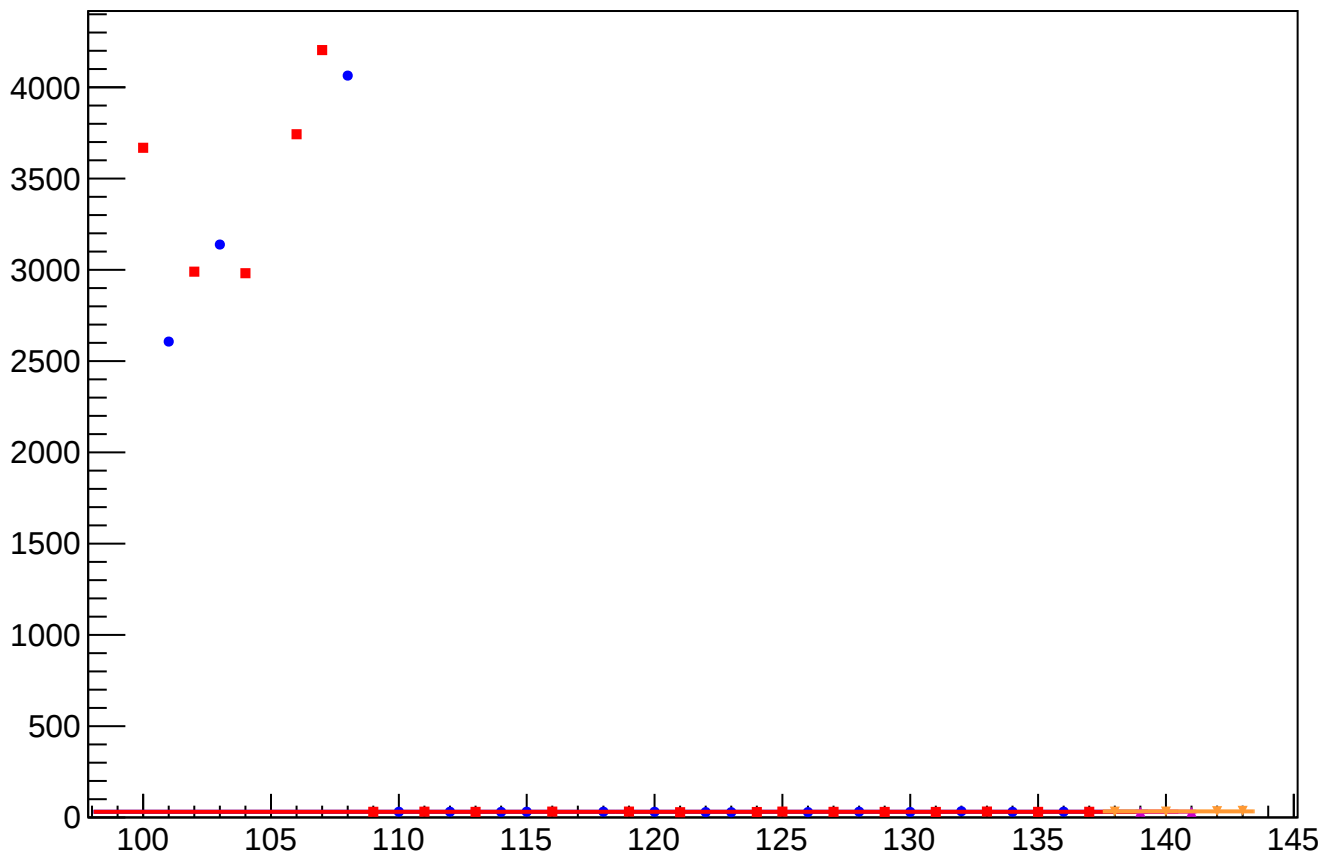
Right: 18.531+/-9.673 χ^2/NDF : 42.3/35

In: 11.457+/-12.040 χ^2/NDF : 16.8/18

Out: 9.389+/-11.343 χ^2/NDF : 35.5/22

All: 10.361+/-8.256 χ^2/NDF : 52.3/41

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 31.158+/-0.010 χ^2/NDF : 3014166.6/16

Left Out: 33.287+/-0.014 χ^2/NDF :14880.8/3

Right Out: 30.985+/-0.010 χ^2/NDF : 3458900.0/18

Left In: 31.406+/-0.018 χ^2/NDF :268.8/1

Left: 32.560+/-0.011 χ^2/NDF : 21837.1/5

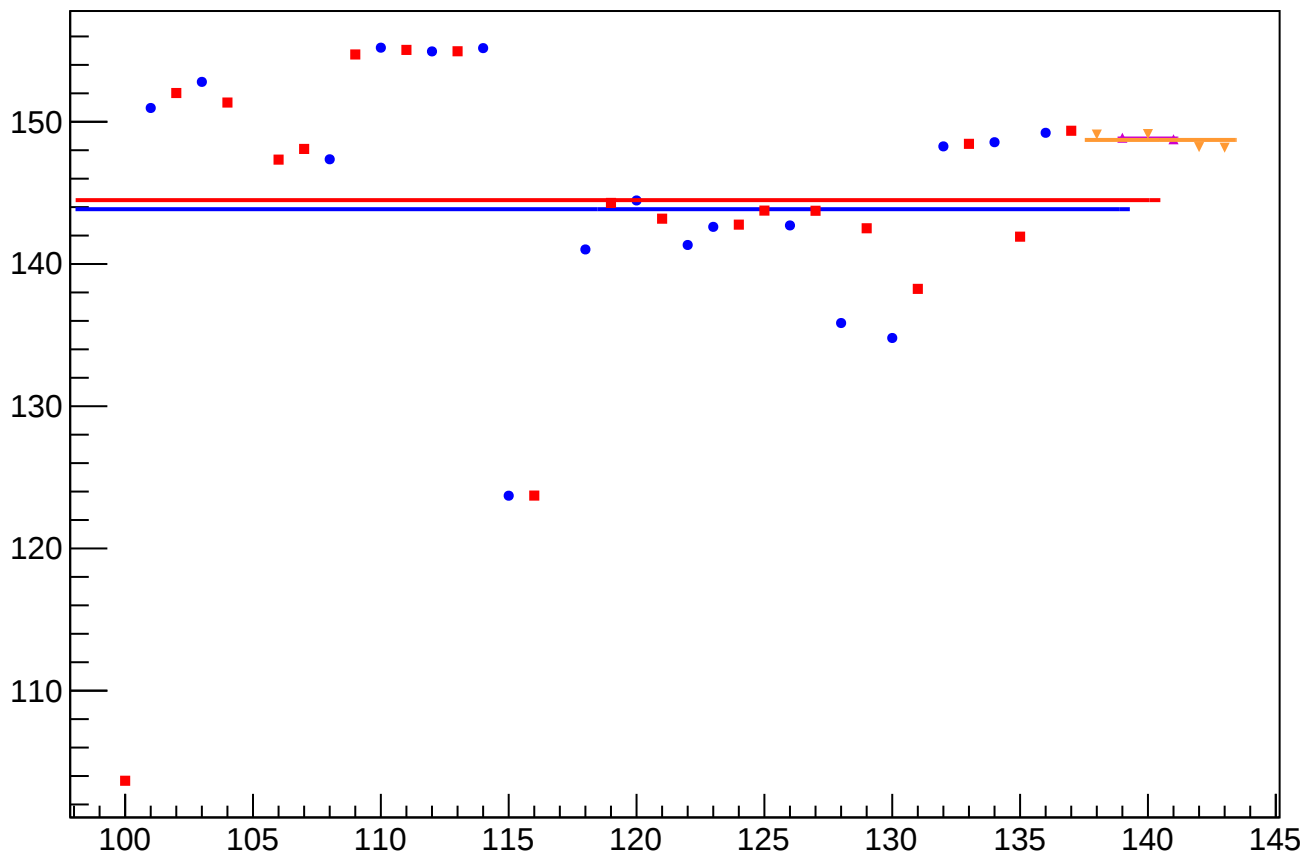
Right: 31.071+/-0.007 χ^2/NDF : 6473226.1/35

In: 31.213+/-0.009 χ^2/NDF :3014583.5/18

Out: 31.708+/-0.008 χ^2/NDF :3491538.7/22

All: 31.476+/-0.006 χ^2/NDF : 6507914.4/41

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.854+/-0.000 χ^2/NDF : 3448306444.5/16

Left Out: 148.724+/-0.000 χ^2/NDF : 5596304.0/3

Right Out: 144.491+/-0.000 χ^2/NDF : 4184461794.3/18

Left In: 148.823+/-0.000 χ^2/NDF : 38080.7/1

Left: 148.756+/-0.000 χ^2/NDF : 5719350.3/5

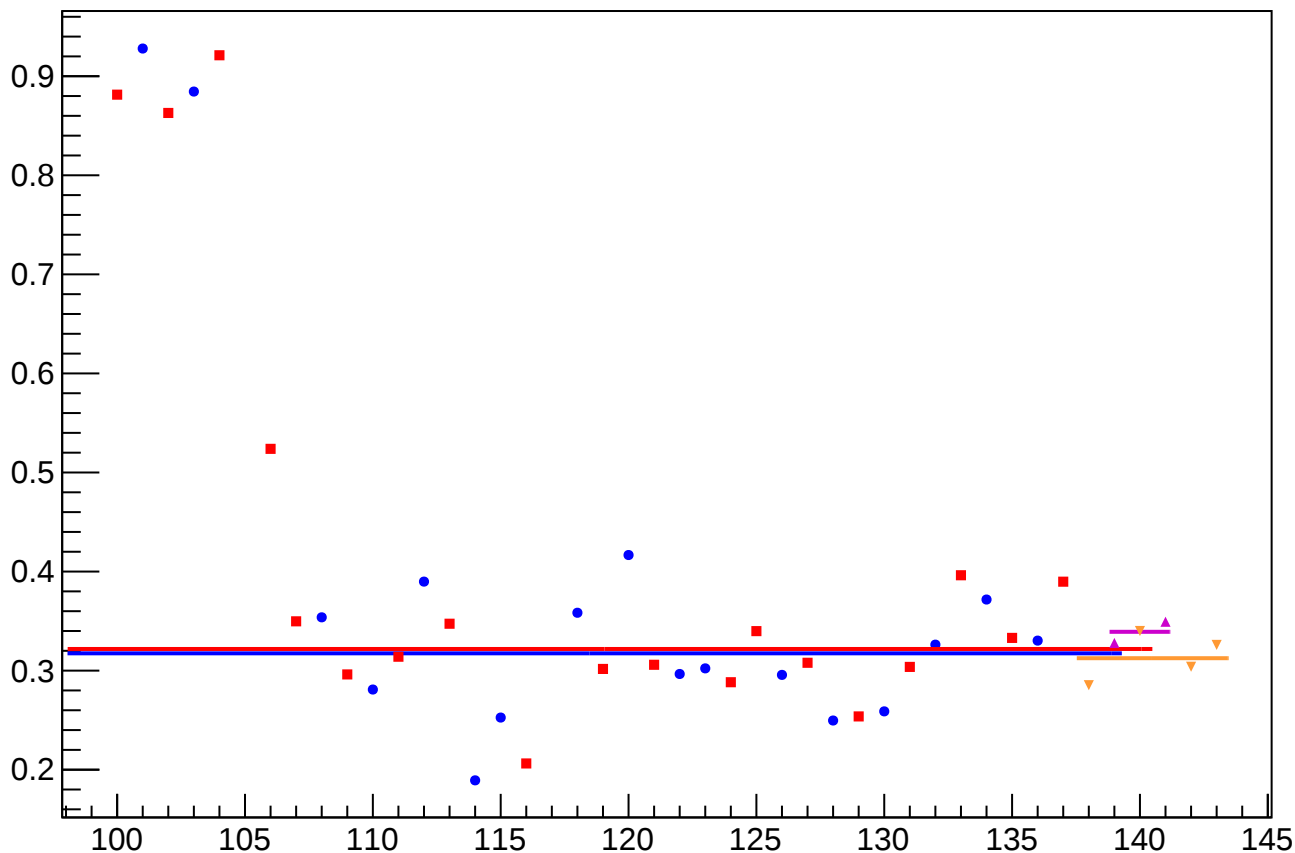
Right: 144.176+/-0.000 χ^2/NDF : 7644095101.6/35

In: 144.791+/-0.000 χ^2/NDF : 3705747324.2/18

Out: 145.860+/-0.000 χ^2/NDF : 4516978751.6/22

All: 145.379+/-0.000 χ^2/NDF : 8265500606.7

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.317+/-0.000 χ^2/NDF : 1273243.2/16

Left Out: 0.313+/-0.000 χ^2/NDF : 26329.0/3

Right Out: 0.322+/-0.000 χ^2/NDF : 1215219.2/18

Left In: 0.339+/-0.000 χ^2/NDF : 2936.9/1

Left: 0.321+/-0.000 χ^2/NDF : 41614.5/5

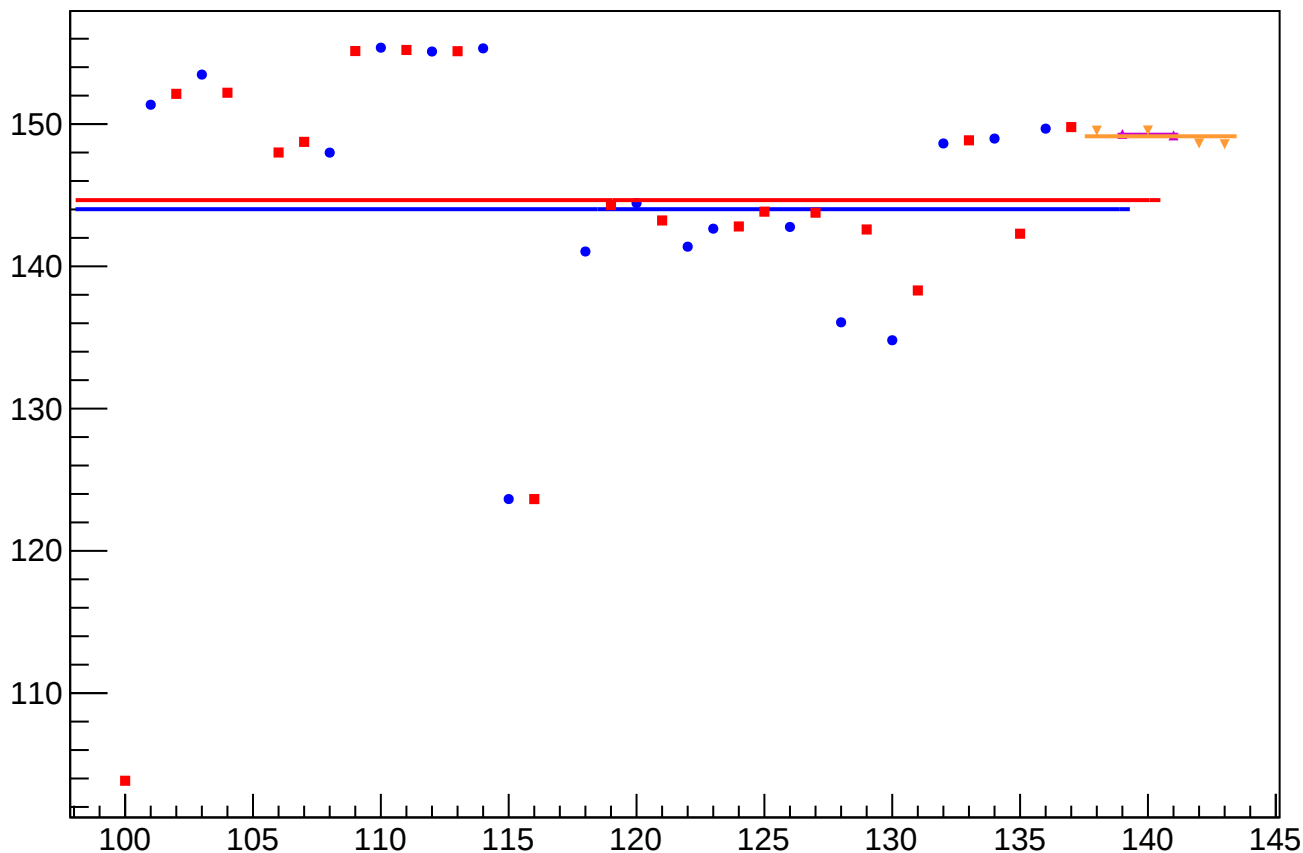
Right: 0.320+/-0.000 χ^2/NDF : 2489538.1/35

In: 0.322+/-0.000 χ^2/NDF : 1286012.7/18

Out: 0.319+/-0.000 χ^2/NDF : 1244711.0/22

All: 0.320+/-0.000 χ^2/NDF : 2531277.5/41

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.016+/-0.000 χ^2/NDF : 3492221319.5/16

Left Out: 149.142+/-0.000 χ^2/NDF : 5717637.9/3

Right Out: 144.655+/-0.000 χ^2/NDF : 4208783732.4/18

Left In: 149.253+/-0.000 χ^2/NDF : 30350.8/1

Left: 149.178+/-0.000 χ^2/NDF : 5854638.7/5

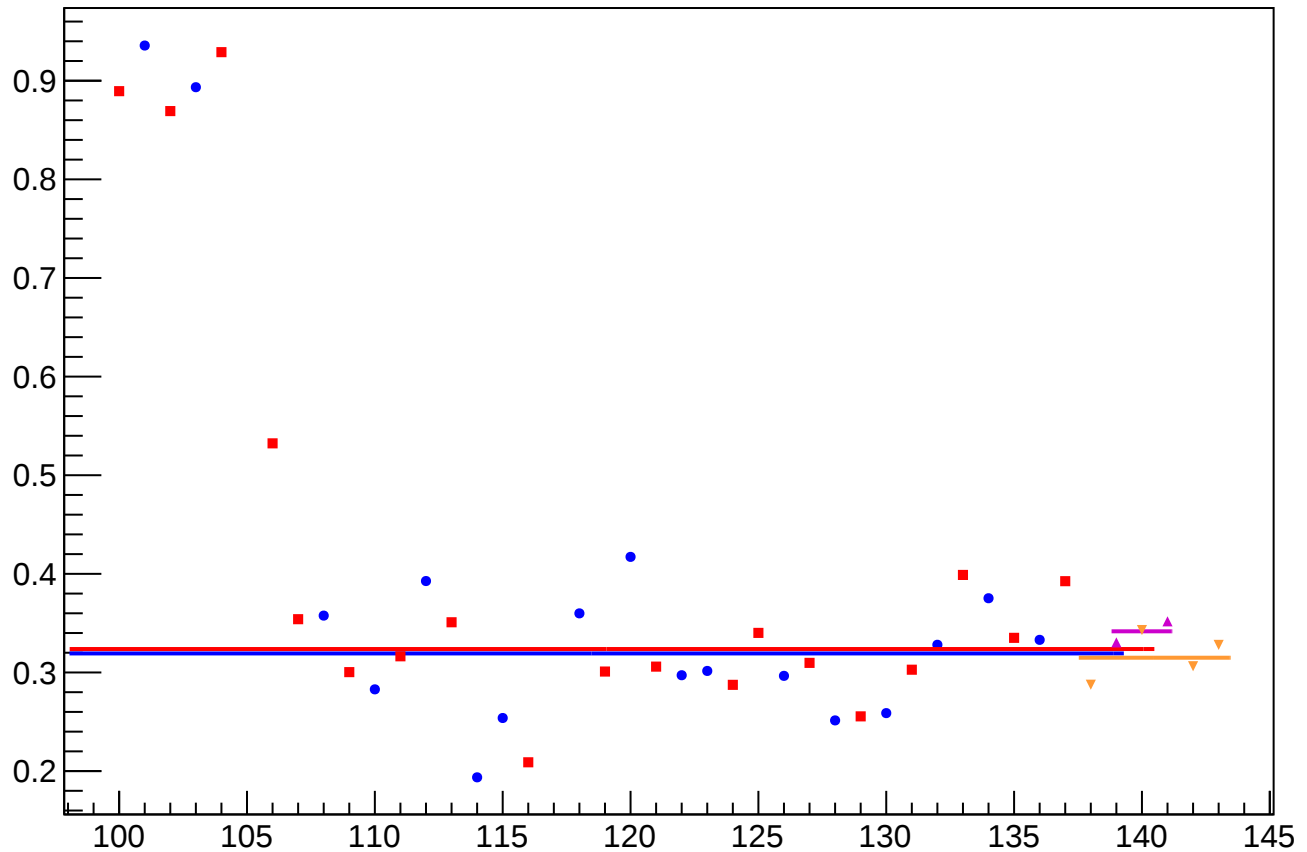
Right: 144.339+/-0.000 χ^2/NDF : 7712254878.2/35

In: 145.001+/-0.000 χ^2/NDF : 3774080104.6/18

Out: 146.102+/-0.000 χ^2/NDF : 4576501280.0/22

All: 145.607+/-0.000 χ^2/NDF : 8395426841.6

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.319+/-0.000 χ^2/NDF : 1274809.7/16

Left Out: 0.315+/-0.000 χ^2/NDF : 26323.4/3

Right Out: 0.324+/-0.000 χ^2/NDF : 1217547.6/18

Left In: 0.342+/-0.000 χ^2/NDF : 2875.4/1

Left: 0.324+/-0.000 χ^2/NDF : 41482.5/5

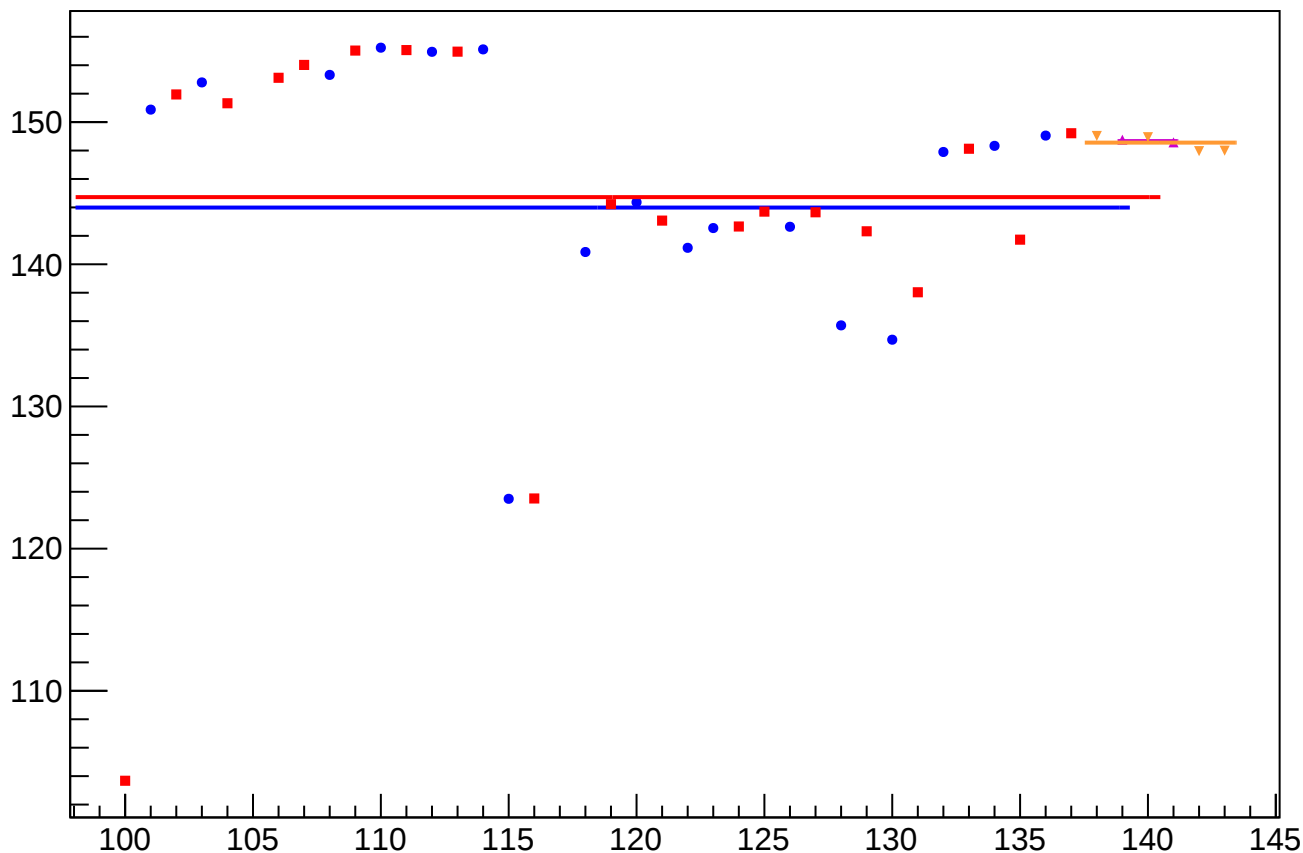
Right: 0.322+/-0.000 χ^2/NDF : 2493460.6/35

In: 0.324+/-0.000 χ^2/NDF : 1288023.8/18

Out: 0.321+/-0.000 χ^2/NDF : 1246664.1/22

All: 0.322+/-0.000 χ^2/NDF : 2535184.8/41

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.990 $\pm$ 0.000 χ^2 /NDF: 3661758828.8/16

Left Out: 148.557 $\pm$ 0.000 χ^2 /NDF: 6701325.4/3

Right Out: 144.724 $\pm$ 0.000 χ^2 /NDF: 4474261871.8/18

Left In: 148.665 $\pm$ 0.000 χ^2 /NDF: 109006.2/1

Left: 148.592 $\pm$ 0.000 χ^2 /NDF: 6910674.3/5

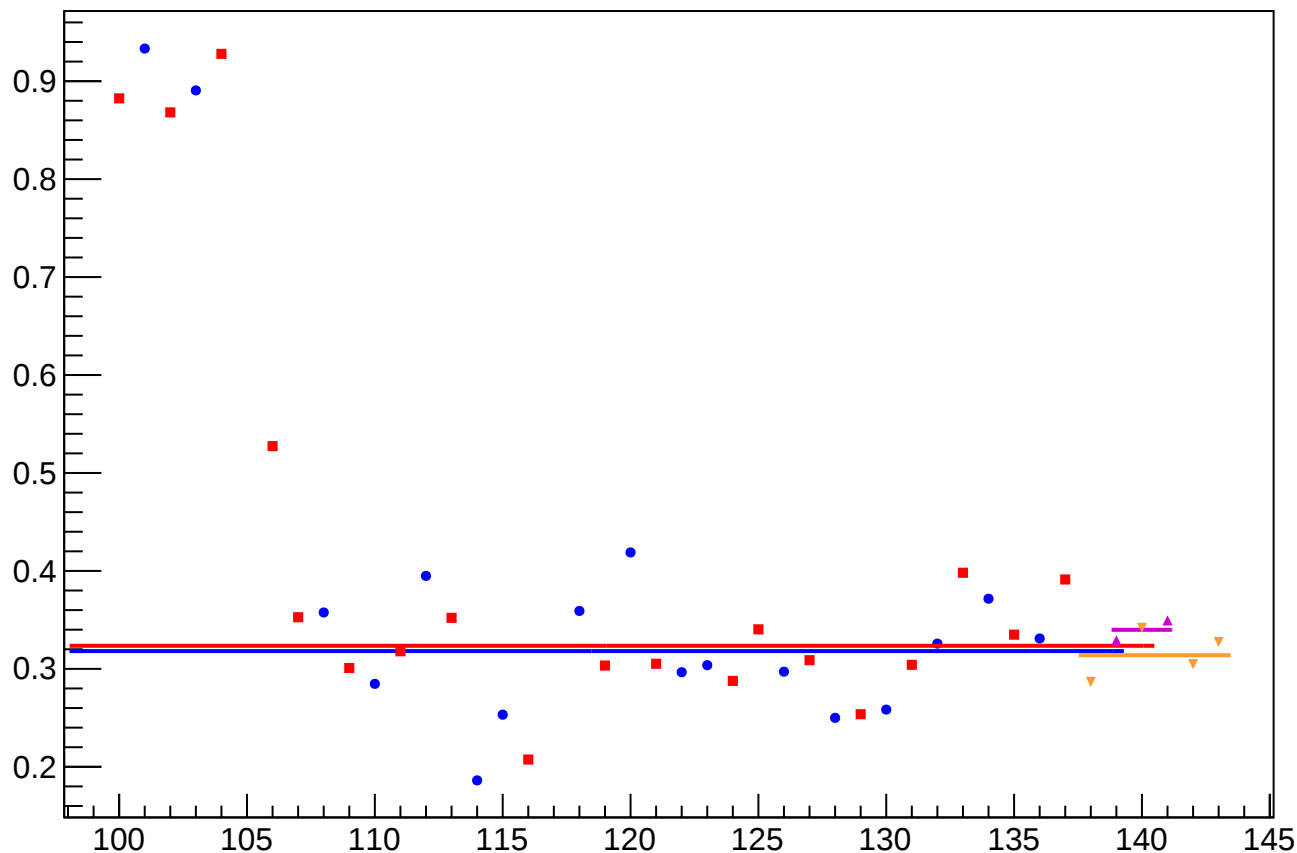
Right: 144.360 $\pm$ 0.000 χ^2 /NDF: 8150942060.9/35

In: 144.873 $\pm$ 0.000 χ^2 /NDF: 3888698832.0/18

Out: 145.964 $\pm$ 0.000 χ^2 /NDF: 4746368191.2/22

All: 145.473 $\pm$ 0.000 χ^2 /NDF: 8679362848.0

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.318+/-0.000 χ^2/NDF : 1287972.7/16

Left Out: 0.314+/-0.000 χ^2/NDF : 26568.2/3

Right Out: 0.324+/-0.000 χ^2/NDF : 1220104.3/18

Left In: 0.340+/-0.000 χ^2/NDF : 2617.0/1

Left: 0.322+/-0.000 χ^2/NDF : 40812.9/5

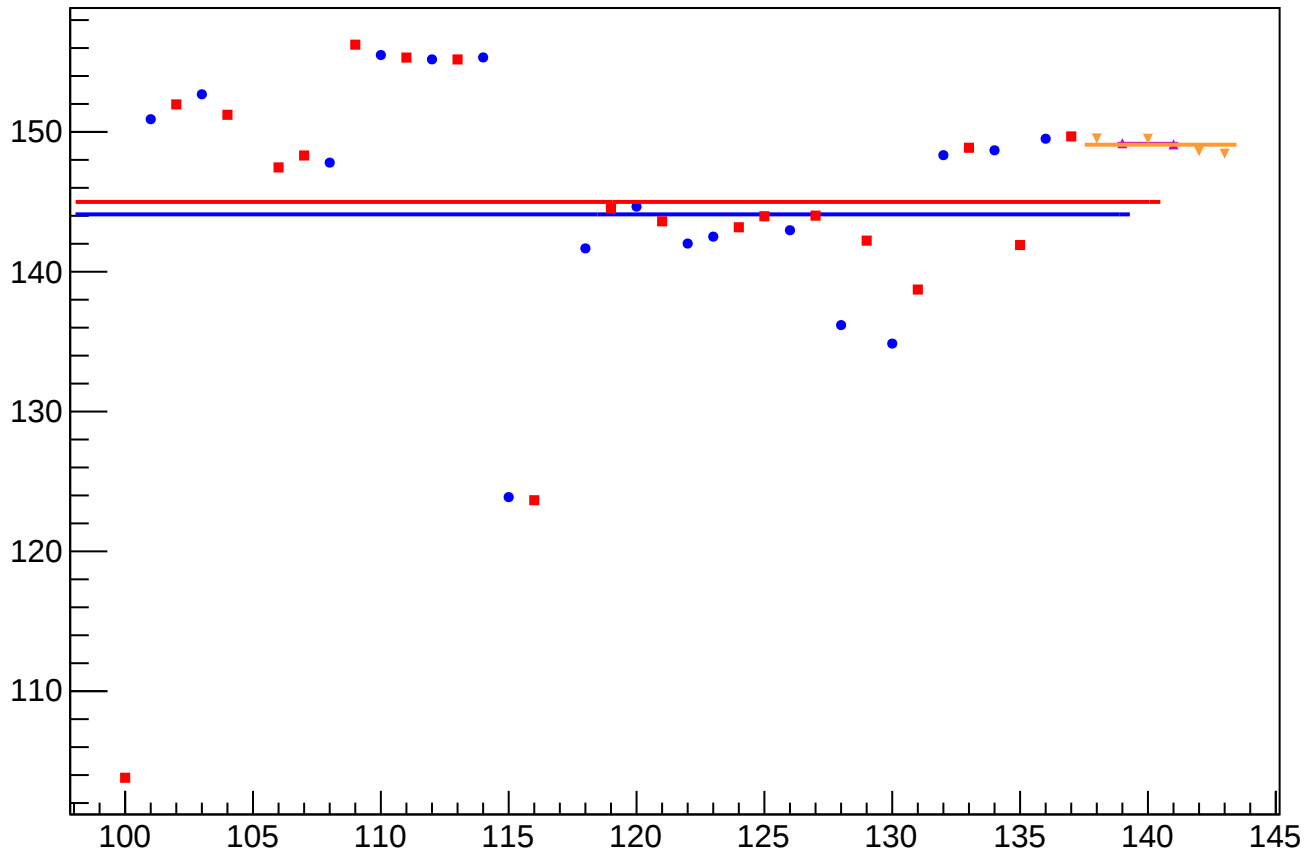
Right: 0.321+/-0.000 χ^2/NDF : 2509712.1/35

In: 0.322+/-0.000 χ^2/NDF : 1300391.1/18

Out: 0.320+/-0.000 χ^2/NDF : 1250021.2/22

All: 0.321+/-0.000 χ^2/NDF : 2550650.0/41

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.104 $\pm$ 0.000 χ^2 /NDF: 3160280337.5/16

Left Out: 149.085 $\pm$ 0.000 χ^2 /NDF: 5956920.6/3

Right Out: 144.995 $\pm$ 0.000 χ^2 /NDF: 3854490205.5/18

Left In: 149.147 $\pm$ 0.000 χ^2 /NDF: 18931.3/1

Left: 149.105 $\pm$ 0.000 χ^2 /NDF: 6004949.3/5

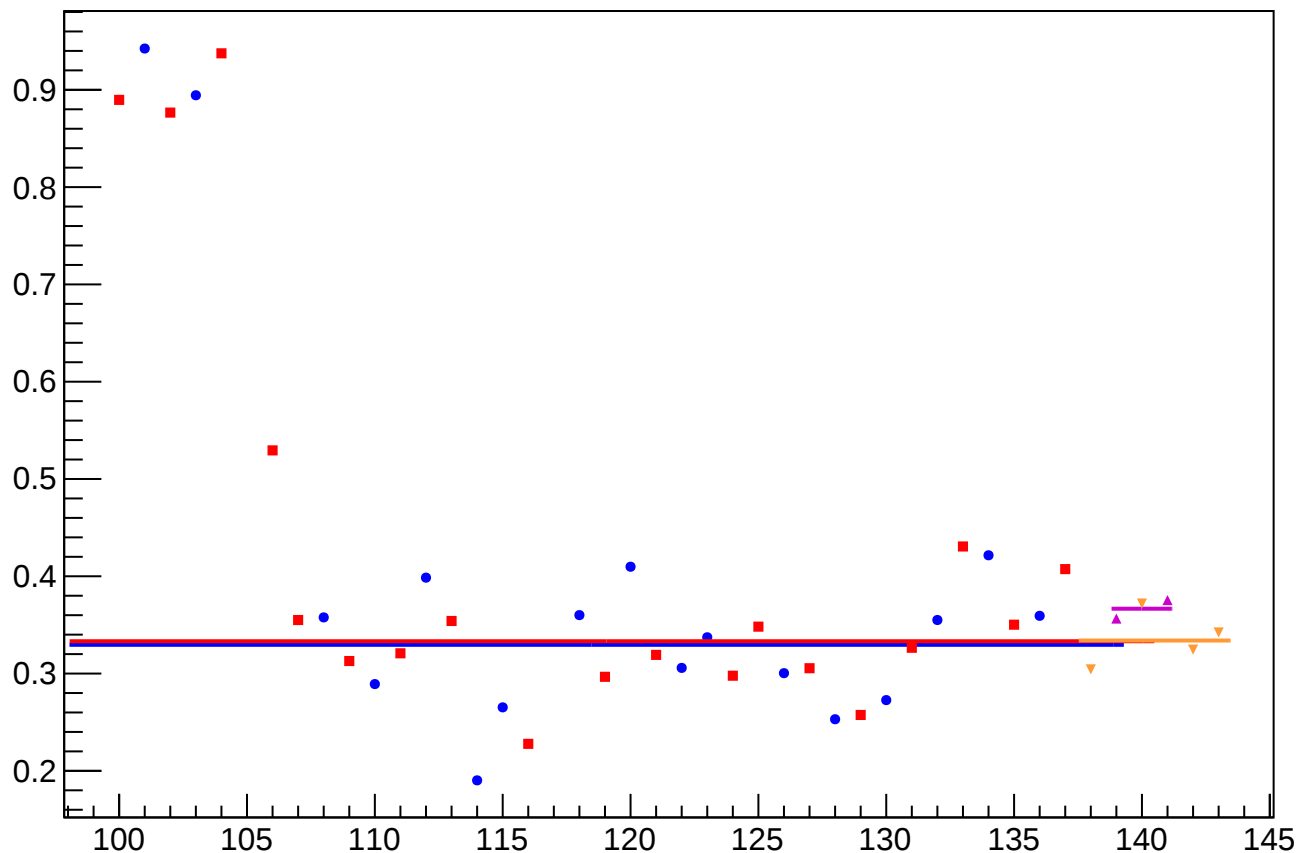
Right: 144.556 $\pm$ 0.000 χ^2 /NDF: 7035324027.3/35

In: 144.992 $\pm$ 0.000 χ^2 /NDF: 3388977084.8/18

Out: 146.248 $\pm$ 0.000 χ^2 /NDF: 4129984736.0/22

All: 145.683 $\pm$ 0.000 χ^2 /NDF: 7572790129.1

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.330+/-0.000 χ^2/NDF : 1270354.0/16

Left Out: 0.334+/-0.000 χ^2/NDF :30838.8/3

Right Out: 0.333+/-0.000 χ^2/NDF : 1179001.1/18

Left In: 0.367+/-0.000 χ^2/NDF :1962.8/1

Left: 0.344+/-0.000 χ^2/NDF : 48680.4/5

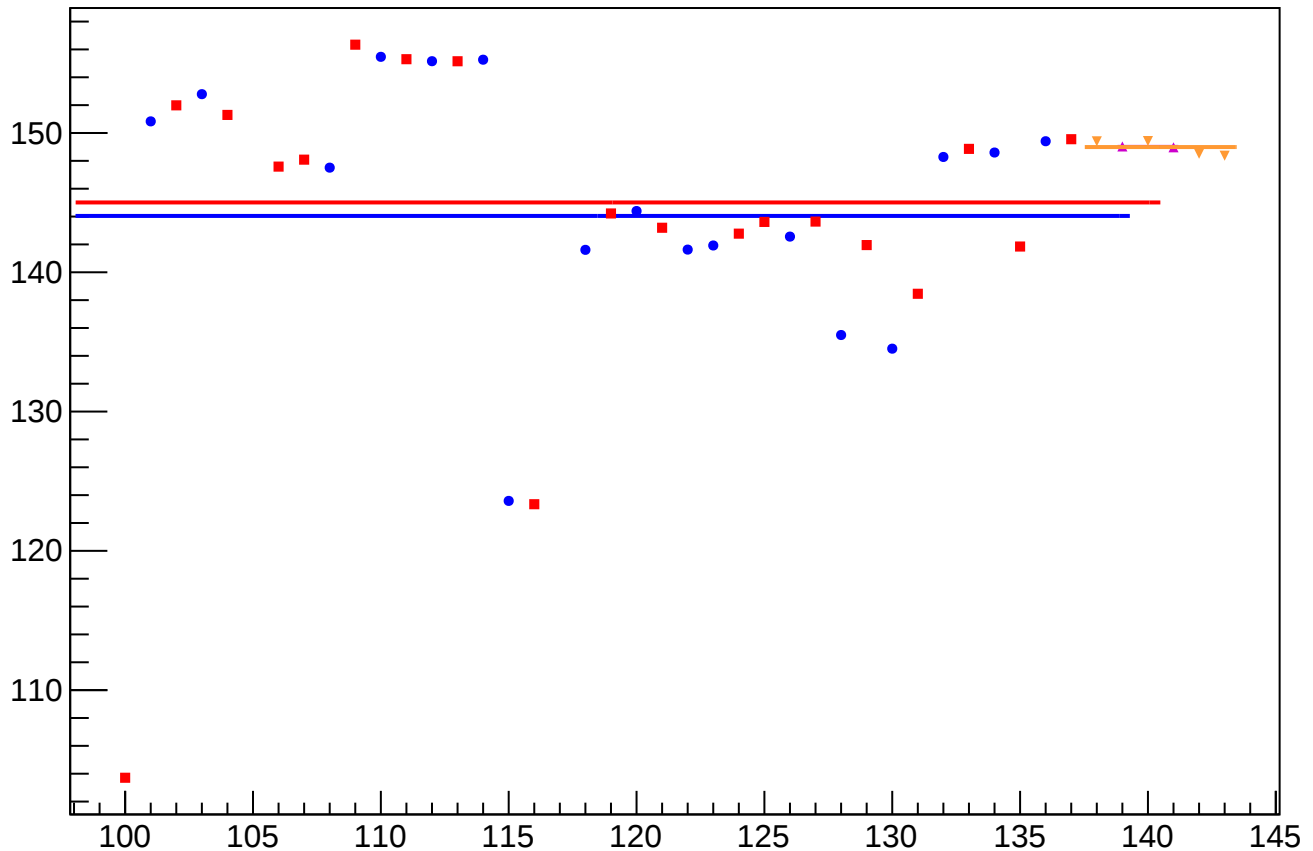
Right: 0.331+/-0.000 χ^2/NDF : 2450053.6/35

In: 0.336+/-0.000 χ^2/NDF :1297066.0/18

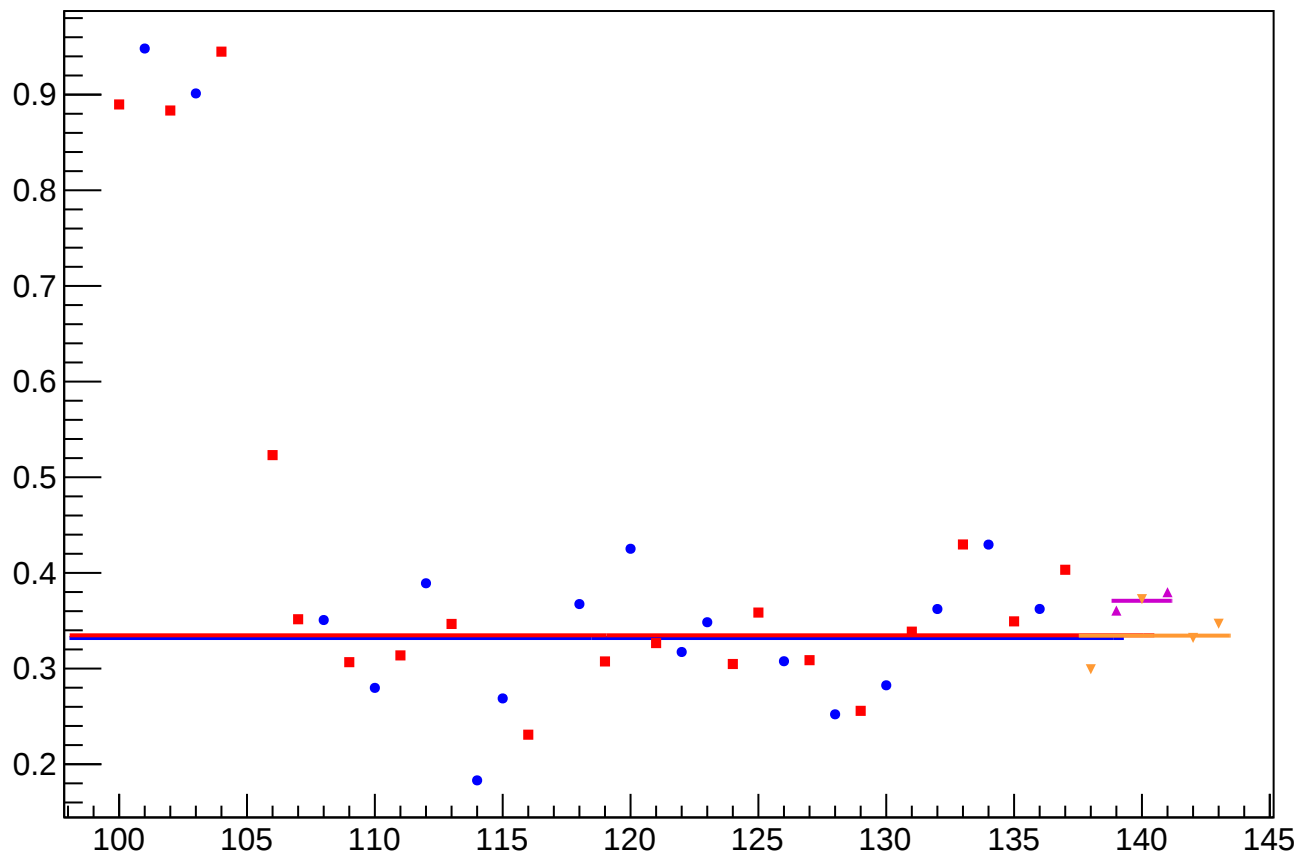
Out: 0.333+/-0.000 χ^2/NDF :1209857.0/22

All: 0.335+/-0.000 χ^2/NDF : 2507397.2/41

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.332 $\pm$ 0.000 χ^2 /NDF: 1287882.2/16

Left Out: 0.334 $\pm$ 0.000 χ^2 /NDF:37054.6/3

Right Out: 0.335 $\pm$ 0.000 χ^2 /NDF: 1168458.2/18

Left In: 0.371 $\pm$ 0.000 χ^2 /NDF:1951.5/1

Left: 0.346 $\pm$ 0.000 χ^2 /NDF: 58268.6/5

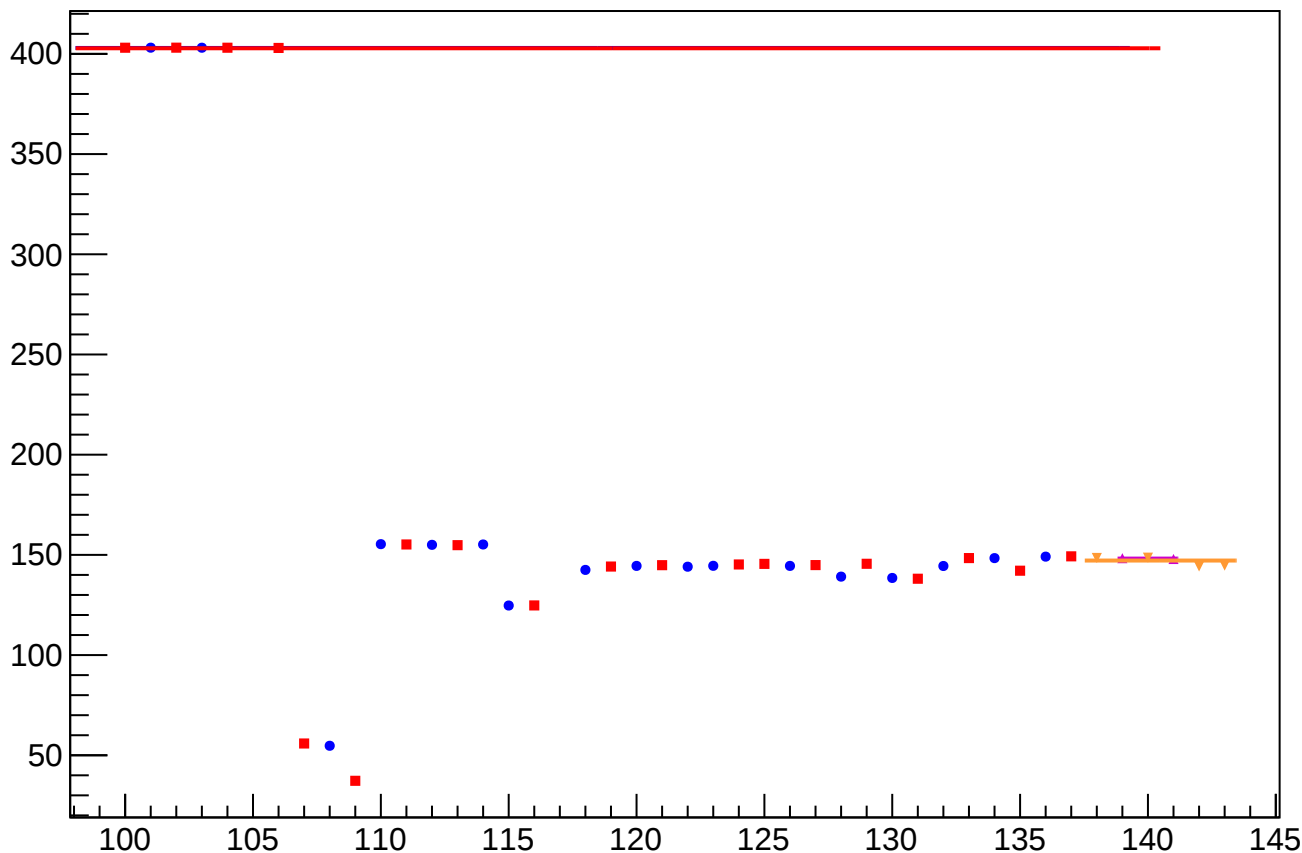
Right: 0.333 $\pm$ 0.000 χ^2 /NDF: 2456747.1/35

In: 0.339 $\pm$ 0.000 χ^2 /NDF:1316362.6/18

Out: 0.335 $\pm$ 0.000 χ^2 /NDF:1205516.1/22

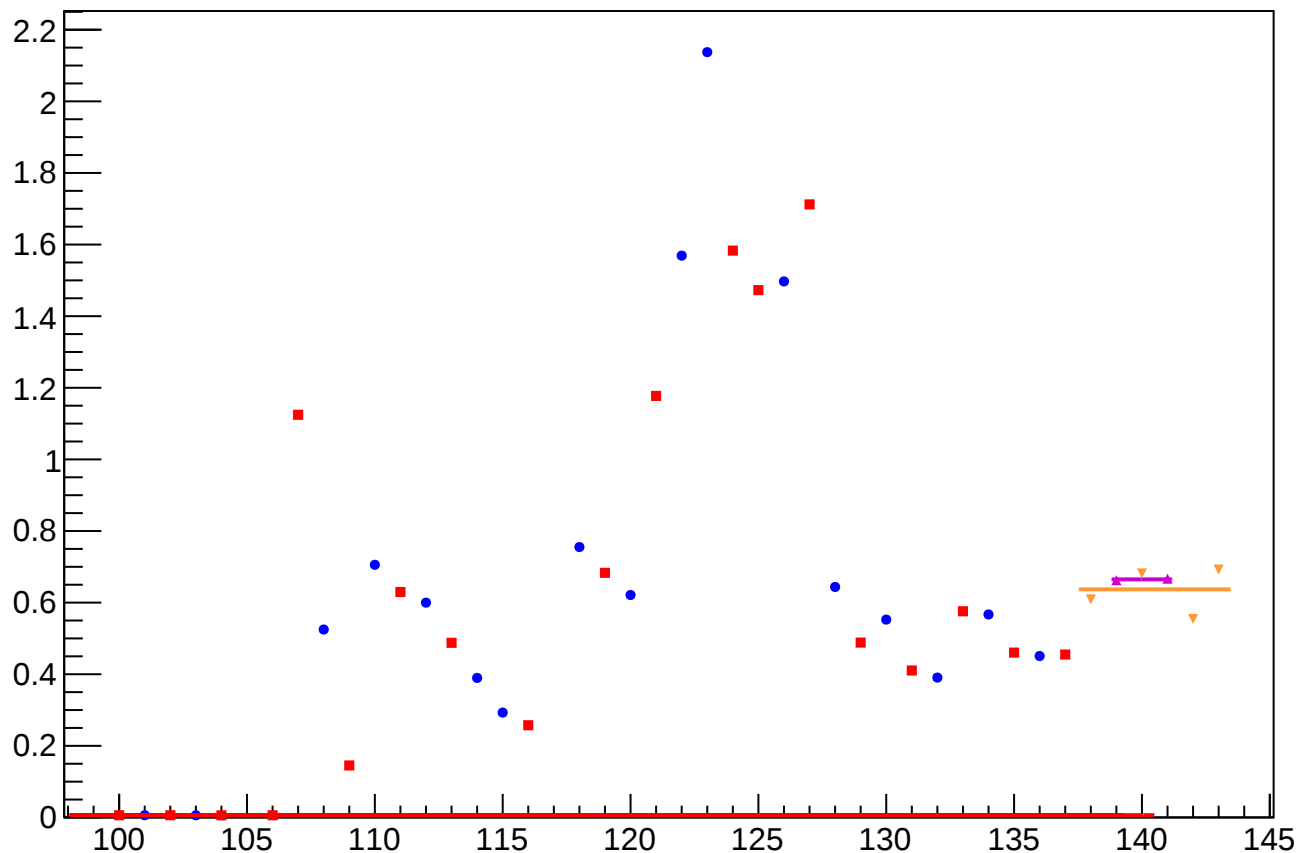
All: 0.336 $\pm$ 0.000 χ^2 /NDF: 2522992.1/41

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.957+/-0.000 χ^2/NDF : 1097981079296.6/16
 Left Out: 147.172+/-0.000 χ^2/NDF : 17049877.5/3
 Right Out: 402.798+/-0.000 χ^2/NDF : 3106239706226.1/18
 Left In: 148.145+/-0.001 χ^2/NDF : 113756.6/1
 Left: 147.541+/-0.000 χ^2/NDF : 18803221.9/5
 Right: 402.873+/-0.000 χ^2/NDF : 4204637713016.5
 In: 402.934+/-0.000 χ^2/NDF : 1279240198900.5/18
 Out: 402.765+/-0.000 χ^2/NDF : 3405497289171.6/2
 All: 402.844+/-0.000 χ^2/NDF : 468521065607

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006 +/- 0.000 χ^2/NDF : 9127939.0/16

Left Out: 0.637 +/- 0.000 χ^2/NDF : 22992.8/3

Right Out: 0.006 +/- 0.000 χ^2/NDF : 9171738.5/18

Left In: 0.665 +/- 0.000 χ^2/NDF : 27.0/1

Left: 0.648 +/- 0.000 χ^2/NDF : 25712.3/5

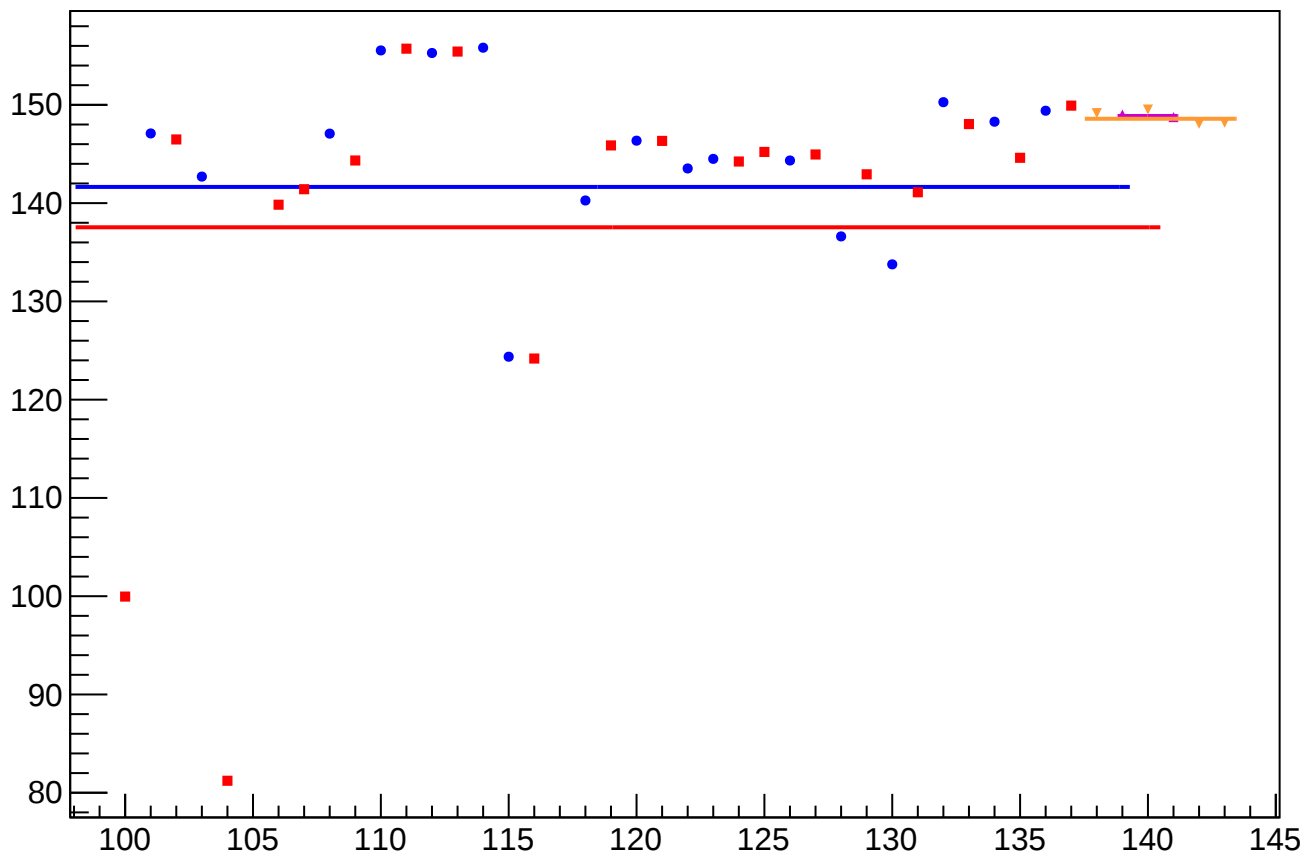
Right: 0.006 +/- 0.000 χ^2/NDF : 18299681.6/35

In: 0.006 +/- 0.000 χ^2/NDF : 11549220.8/18

Out: 0.006 +/- 0.000 χ^2/NDF : 12837762.9/22

All: 0.006 +/- 0.000 χ^2/NDF : 24386988.3/41

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.649+/-0.000 χ^2/NDF : 978960977.0/16

Left Out: 148.585+/-0.000 χ^2/NDF : 2378657.8/3

Right Out: 137.540+/-0.000 χ^2/NDF : 1319926808.9/18

Left In: 148.867+/-0.001 χ^2/NDF : 40781.3/1

Left: 148.657+/-0.000 χ^2/NDF : 2564698.2/5

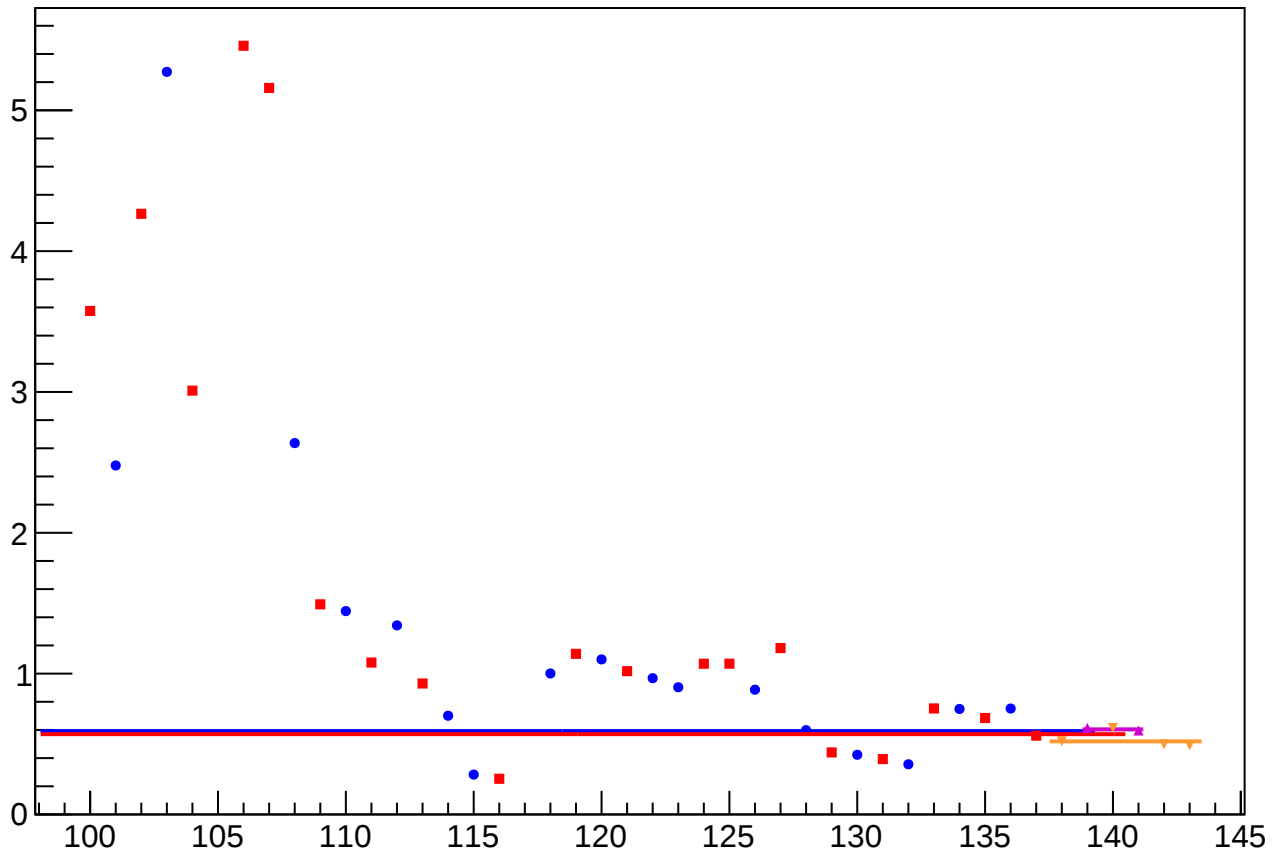
Right: 139.554+/-0.000 χ^2/NDF : 2385756401.6/35

In: 143.060+/-0.000 χ^2/NDF : 1081868660.2/18

Out: 141.999+/-0.000 χ^2/NDF : 1839339051.0/22

All: 142.441+/-0.000 χ^2/NDF : 2929453762.9

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.592 $\pm$ 0.000 χ^2 /NDF: 3518726.1/16

Left Out: 0.519 $\pm$ 0.000 χ^2 /NDF:28009.5/3

Right Out: 0.570 $\pm$ 0.000 χ^2 /NDF: 4645113.2/18

Left In: 0.604 $\pm$ 0.000 χ^2 /NDF:393.6/1

Left: 0.541 $\pm$ 0.000 χ^2 /NDF: 54762.1/5

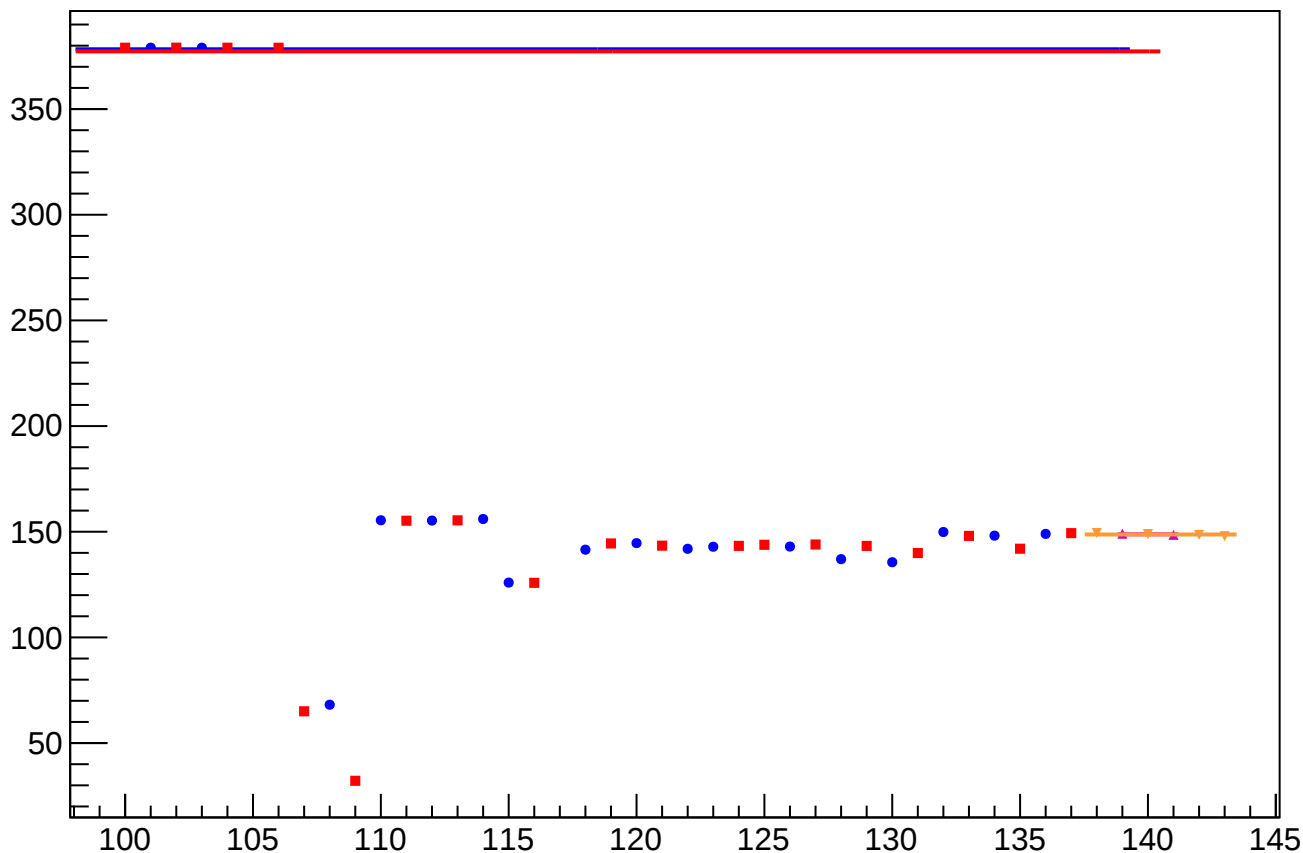
Right: 0.581 $\pm$ 0.000 χ^2 /NDF: 8168630.3/35

In: 0.594 $\pm$ 0.000 χ^2 /NDF:3519729.4/18

Out: 0.549 $\pm$ 0.000 χ^2 /NDF:4695171.7/22

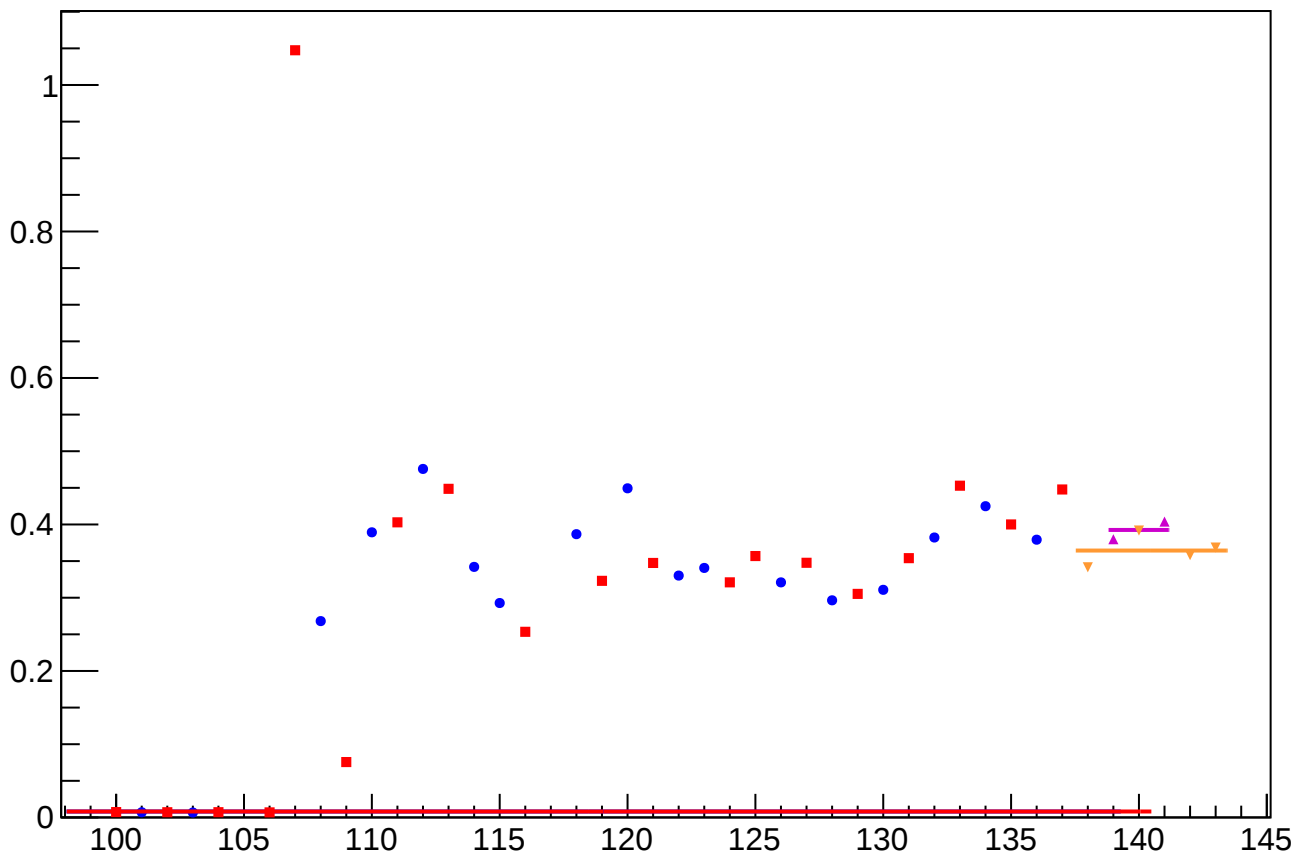
All: 0.568 $\pm$ 0.000 χ^2 /NDF: 8244042.1/41

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.288+/-0.000 χ^2/NDF : 2492505563660.4/16
 Left Out: 148.704+/-0.000 χ^2/NDF : 6925823.1/3
 Right Out: 377.290+/-0.000 χ^2/NDF : 8277094761031.6/18
 Left In: 148.797+/-0.000 χ^2/NDF : 672230.1/1
 Left: 148.734+/-0.000 χ^2/NDF : 7653520.2/5
 Right: 377.756+/-0.000 χ^2/NDF : 10776659688303.1
 In: 378.122+/-0.000 χ^2/NDF : 2997668415359.5/18
 Out: 376.989+/-0.000 χ^2/NDF : 9321564088649.6/2
 All: 377.518+/-0.000 χ^2/NDF : 123283513743.1

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 9842025.8/16

Left Out: 0.364+/-0.000 χ^2/NDF :14542.7/3

Right Out: 0.008+/-0.000 χ^2/NDF : 9491450.8/18

Left In: 0.393+/-0.000 χ^2/NDF :2770.0/1

Left: 0.374+/-0.000 χ^2/NDF : 27575.8/5

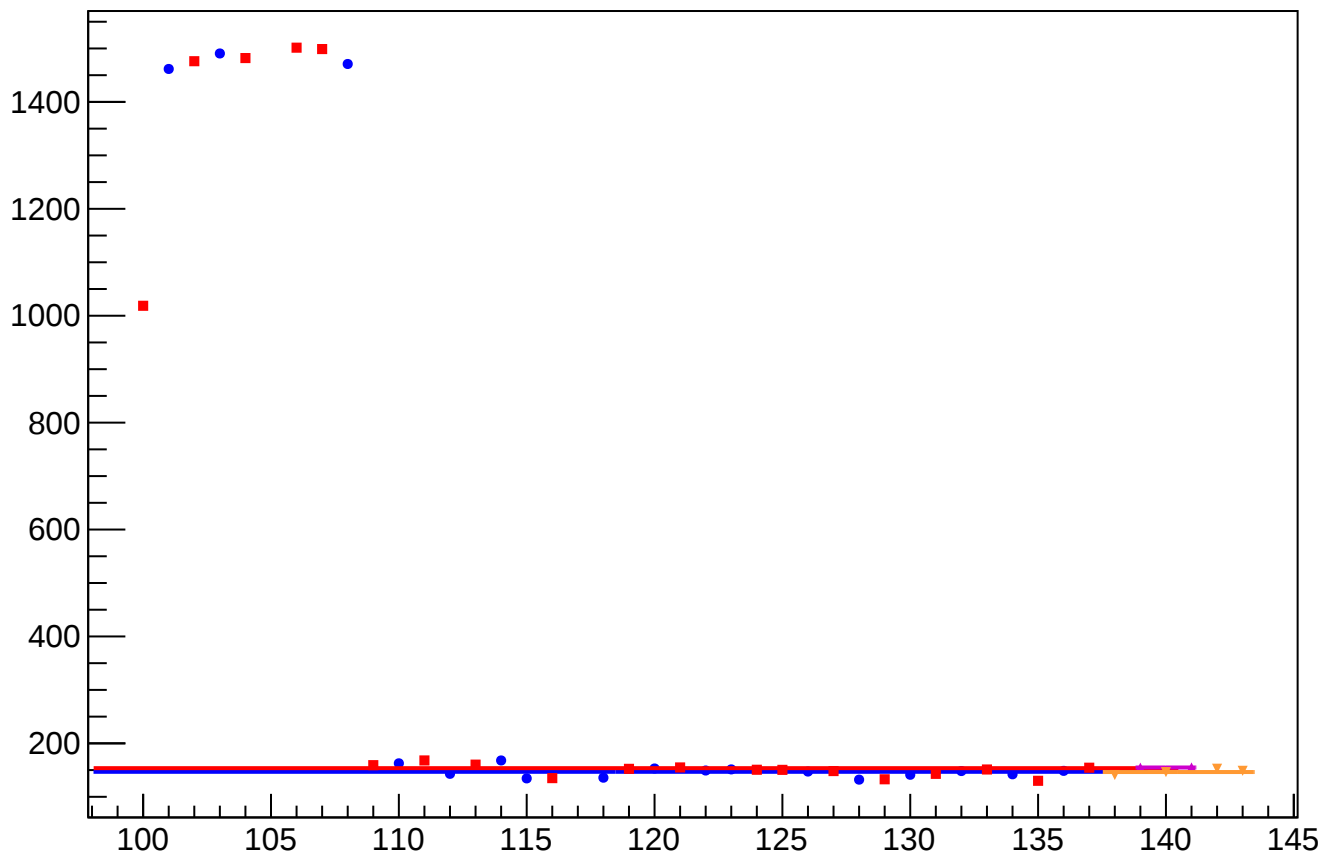
Right: 0.008+/-0.000 χ^2/NDF : 19333484.2/35

In: 0.008+/-0.000 χ^2/NDF :12679537.4/18

Out: 0.009+/-0.000 χ^2/NDF :14580084.7/22

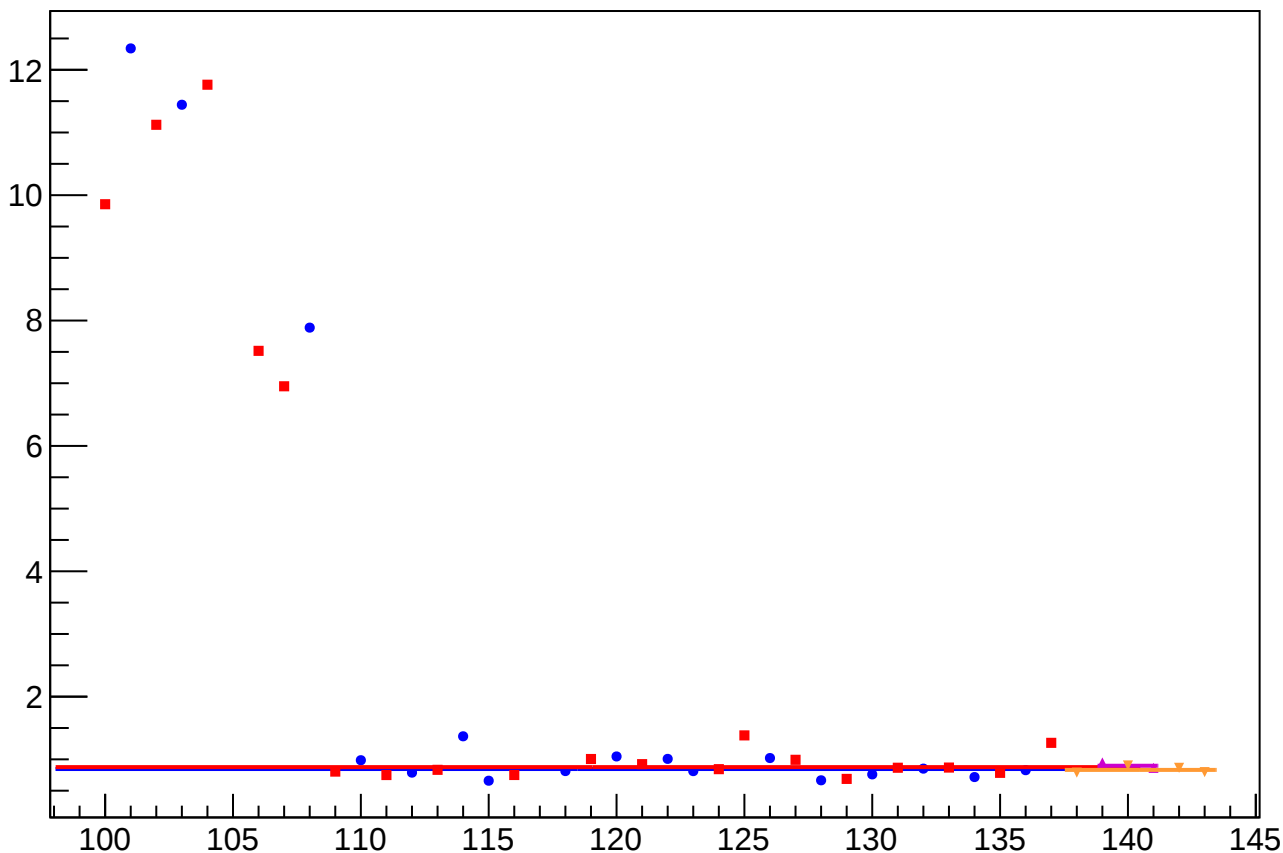
All: 0.009+/-0.000 χ^2/NDF : 27260280.2/41

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.782+/-0.000	χ^2/NDF : 24345208780.4/16	Left: 149.202+/-0.000	χ^2/NDF : 107310920.1/5
Left Out: 146.358+/-0.001	χ^2/NDF : 42871227.6/3	Right: 150.182+/-0.000	χ^2/NDF : 58259873830.0/35
Right Out: 153.596+/-0.000	χ^2/NDF : 33791266543.9/18	In: 148.407+/-0.000	χ^2/NDF : 24415047216.3/18
Left In: 154.844+/-0.001	χ^2/NDF : 54469.4/1	Out: 151.174+/-0.000	χ^2/NDF : 33927131168.5/22
		All: 149.914+/-0.000	χ^2/NDF : 58369984338.0

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.846+/-0.000 χ^2/NDF : 2658649.7/16

Left Out: 0.832+/-0.000 χ^2/NDF :12703.2/3

Right Out: 0.876+/-0.000 χ^2/NDF : 2826804.8/18

Left In: 0.898+/-0.001 χ^2/NDF :4697.0/1

Left: 0.854+/-0.000 χ^2/NDF : 25273.5/5

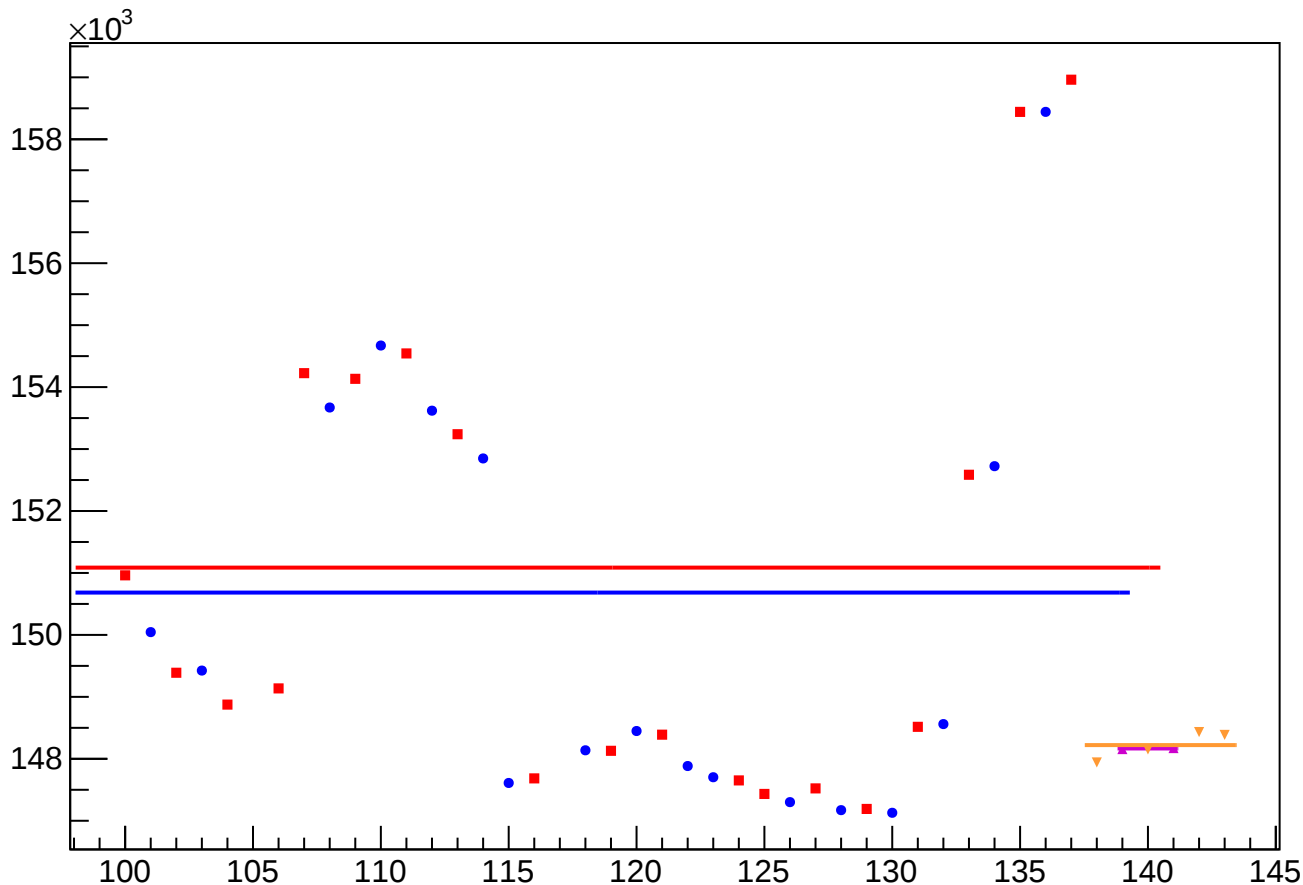
Right: 0.861+/-0.000 χ^2/NDF : 5490366.4/35

In: 0.856+/-0.000 χ^2/NDF :2669209.5/18

Out: 0.861+/-0.000 χ^2/NDF :2846538.8/22

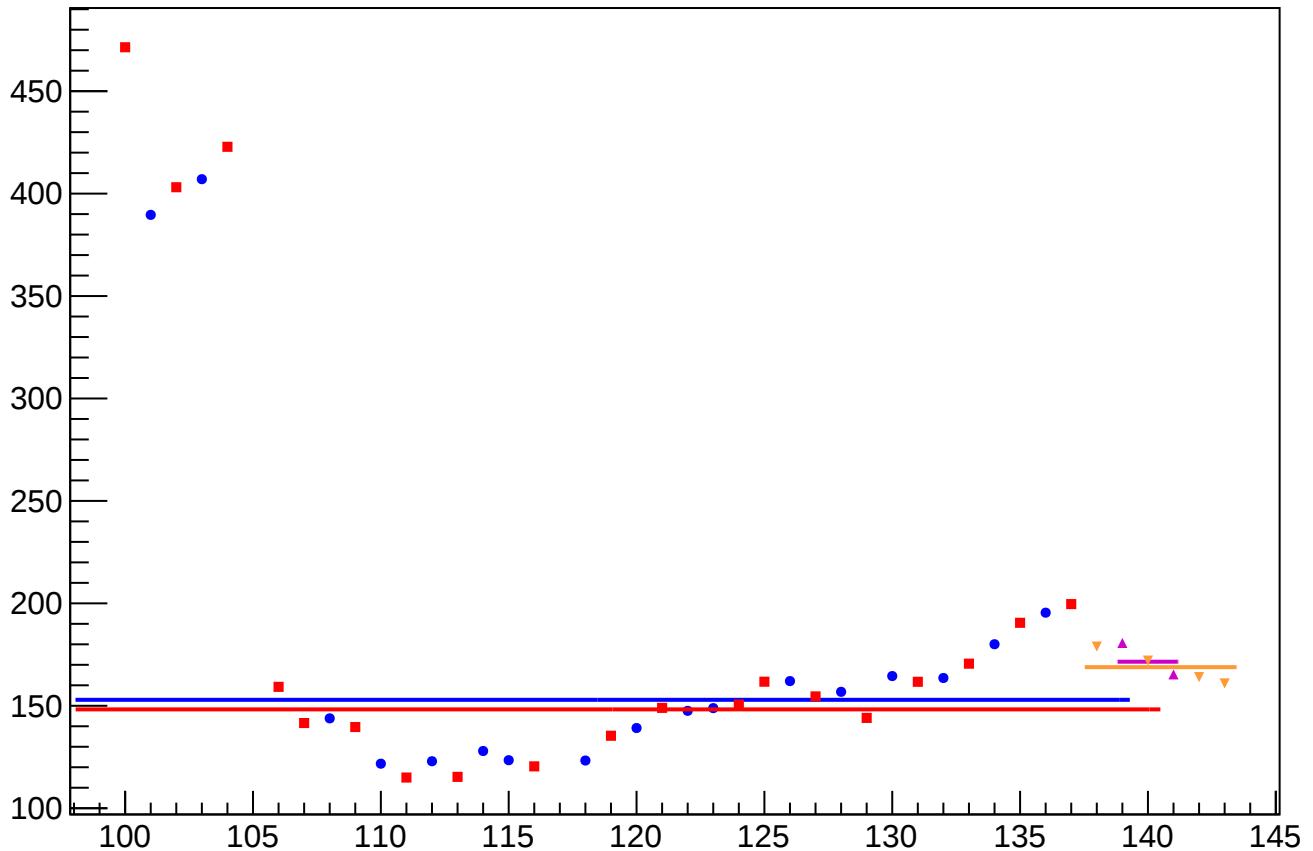
All: 0.859+/-0.000 χ^2/NDF : 5515928.1/41

yield_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 150683.304+/-0.063	χ^2/NDF : 3299311261.5/16	Left: 148202.001+/-0.083	χ^2/NDF : 3466579.4/5
Left Out: 148221.438+/-0.104	χ^2/NDF : 3364574.4/3	Right: 150895.868+/-0.043	χ^2/NDF : 6618337097.0/16
Right Out: 151086.261+/-0.060	χ^2/NDF : 3297509595.7/18	In: 150256.047+/-0.057	χ^2/NDF : 3569401831.0/18
Left In: 148166.800+/-0.140	χ^2/NDF : 3205.2/1	Out: 150372.674+/-0.052	χ^2/NDF : 3874202151.4/2
		All: 150320.477+/-0.038	χ^2/NDF : 74458775/1

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 152.916 $\pm$ 0.045 χ^2 /NDF: 1154367.4/16

Left Out: 168.863 $\pm$ 0.073 χ^2 /NDF:9442.8/3

Right Out: 148.245 $\pm$ 0.042 χ^2 /NDF: 1189017.0/18

Left In: 171.514 $\pm$ 0.099 χ^2 /NDF:5815.2/1

Left: 169.806 $\pm$ 0.059 χ^2 /NDF: 15723.0/5

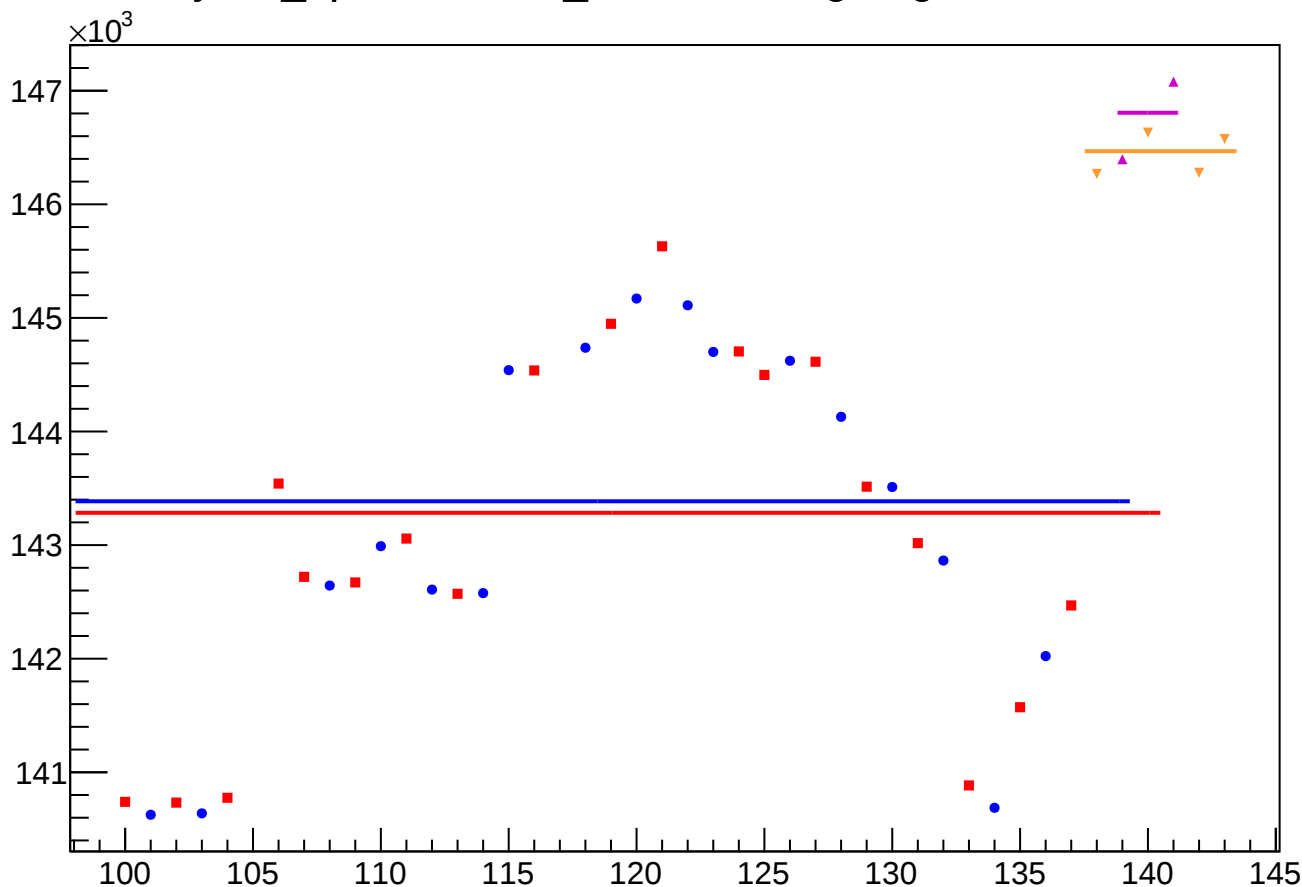
Right: 150.452 $\pm$ 0.031 χ^2 /NDF: 2349165.6/35

In: 156.073 $\pm$ 0.041 χ^2 /NDF:1189685.3/18

Out: 153.381 $\pm$ 0.037 χ^2 /NDF:1257852.6/22

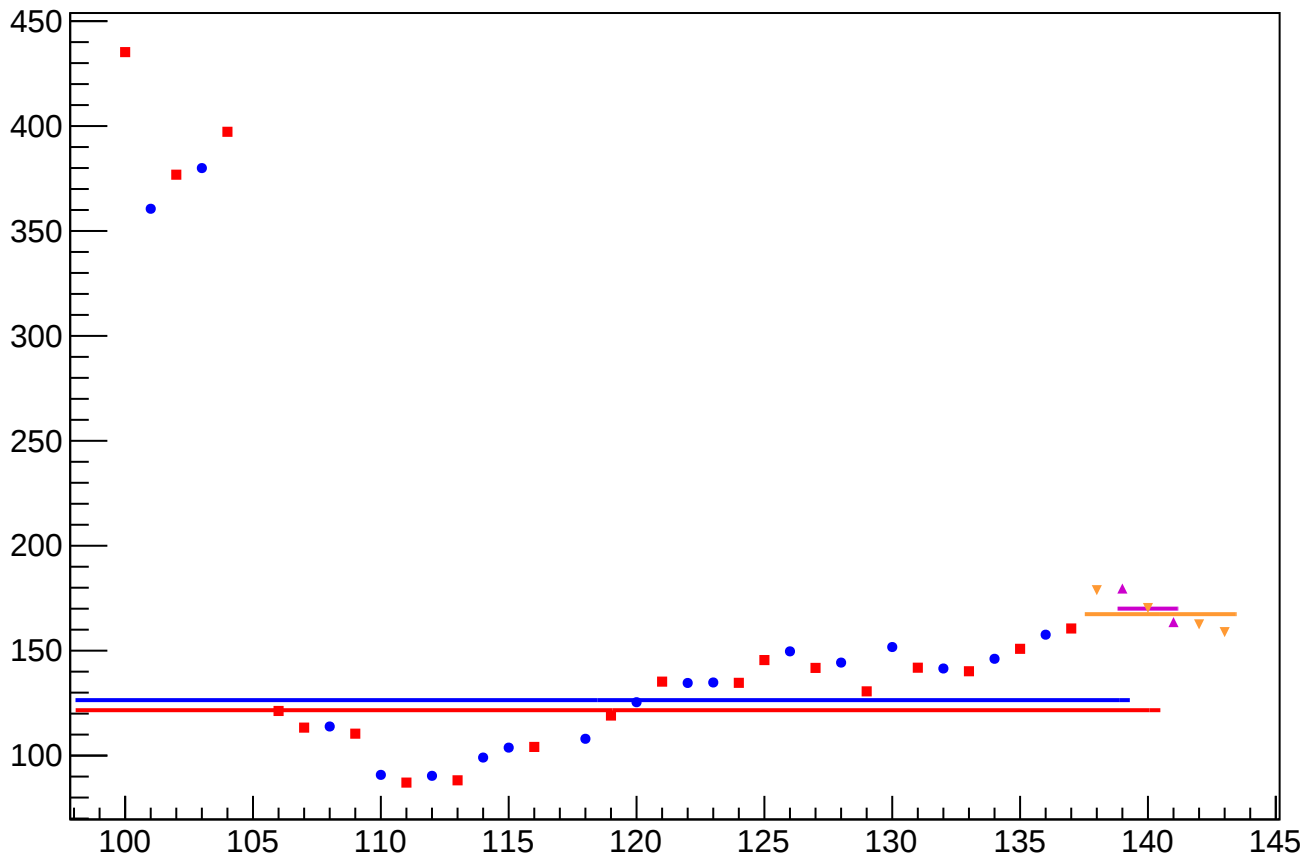
All: 154.586 $\pm$ 0.027 χ^2 /NDF: 2449961.5/41

yield_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 143385.822 $\pm$ 0.053	χ^2 /NDF: 520518329.3/16	Left: 146588.274 $\pm$ 0.082	χ^2 /NDF: 12213324.6/5
Left Out: 146468.071 $\pm$ 0.103	χ^2 /NDF: 2520027.5/3	Right: 143331.368 $\pm$ 0.036	χ^2 /NDF: 1130981734.7/1
Right Out: 143284.246 $\pm$ 0.049	χ^2 /NDF: 608478885.8/18	In: 143820.893 $\pm$ 0.049	χ^2 /NDF: 1060247217.7/18
Left In: 146805.985 $\pm$ 0.138	χ^2 /NDF: 5846255.8/1	Out: 143876.306 $\pm$ 0.044	χ^2 /NDF: 1392540263.1/2
		All: 143851.557 $\pm$ 0.033	χ^2 /NDF: 245348597.1/1

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 126.427 $\pm$ 0.037 χ^2 /NDF: 1442156.7/16

Left Out: 167.395 $\pm$ 0.073 χ^2 /NDF:11452.9/3

Right Out: 121.629 $\pm$ 0.035 χ^2 /NDF: 1458546.9/18

Left In: 170.029 $\pm$ 0.098 χ^2 /NDF:6429.9/1

Left: 168.332 $\pm$ 0.058 χ^2 /NDF: 18350.5/5

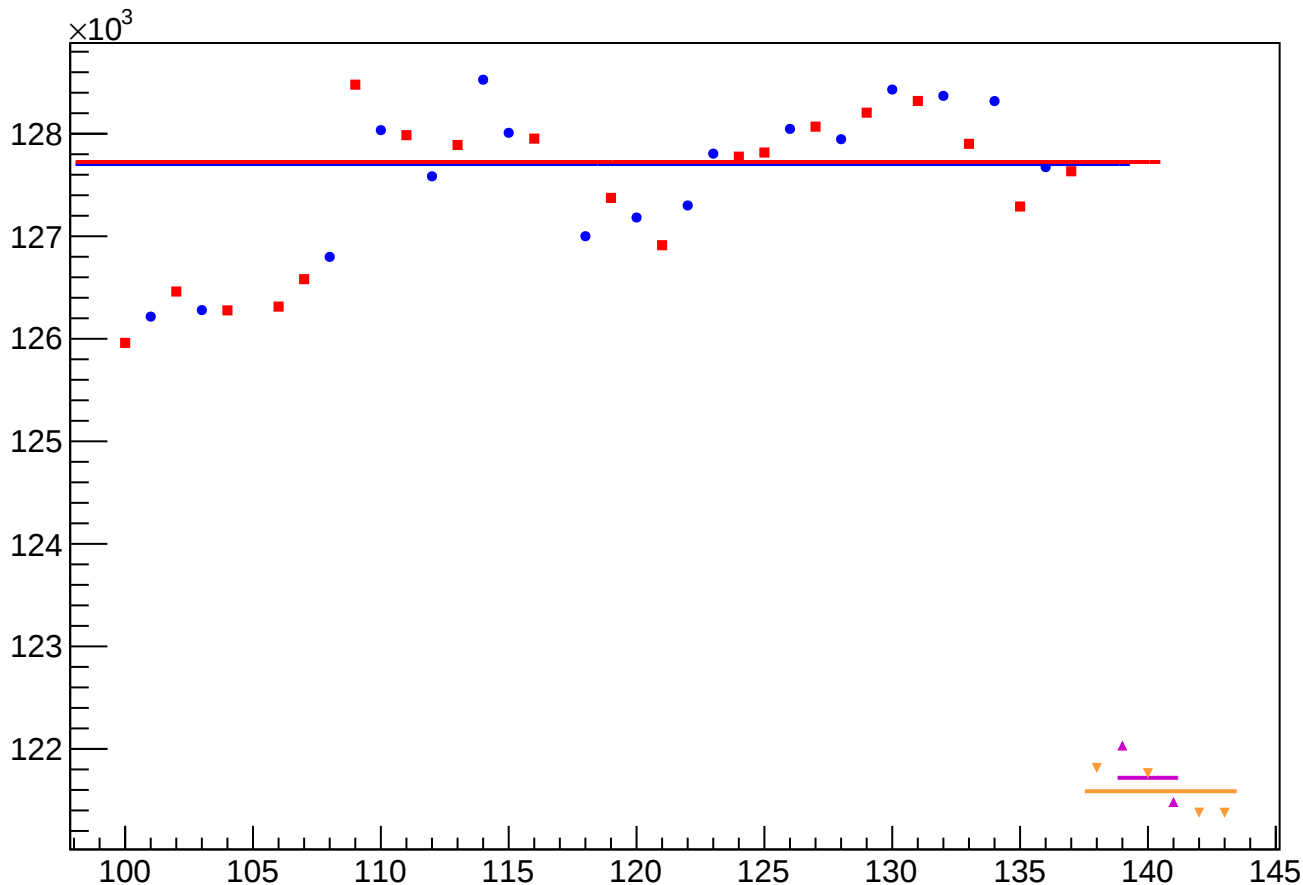
Right: 123.855 $\pm$ 0.025 χ^2 /NDF: 2909560.8/35

In: 131.974 $\pm$ 0.035 χ^2 /NDF:1622125.2/18

Out: 130.140 $\pm$ 0.031 χ^2 /NDF:1792971.8/22

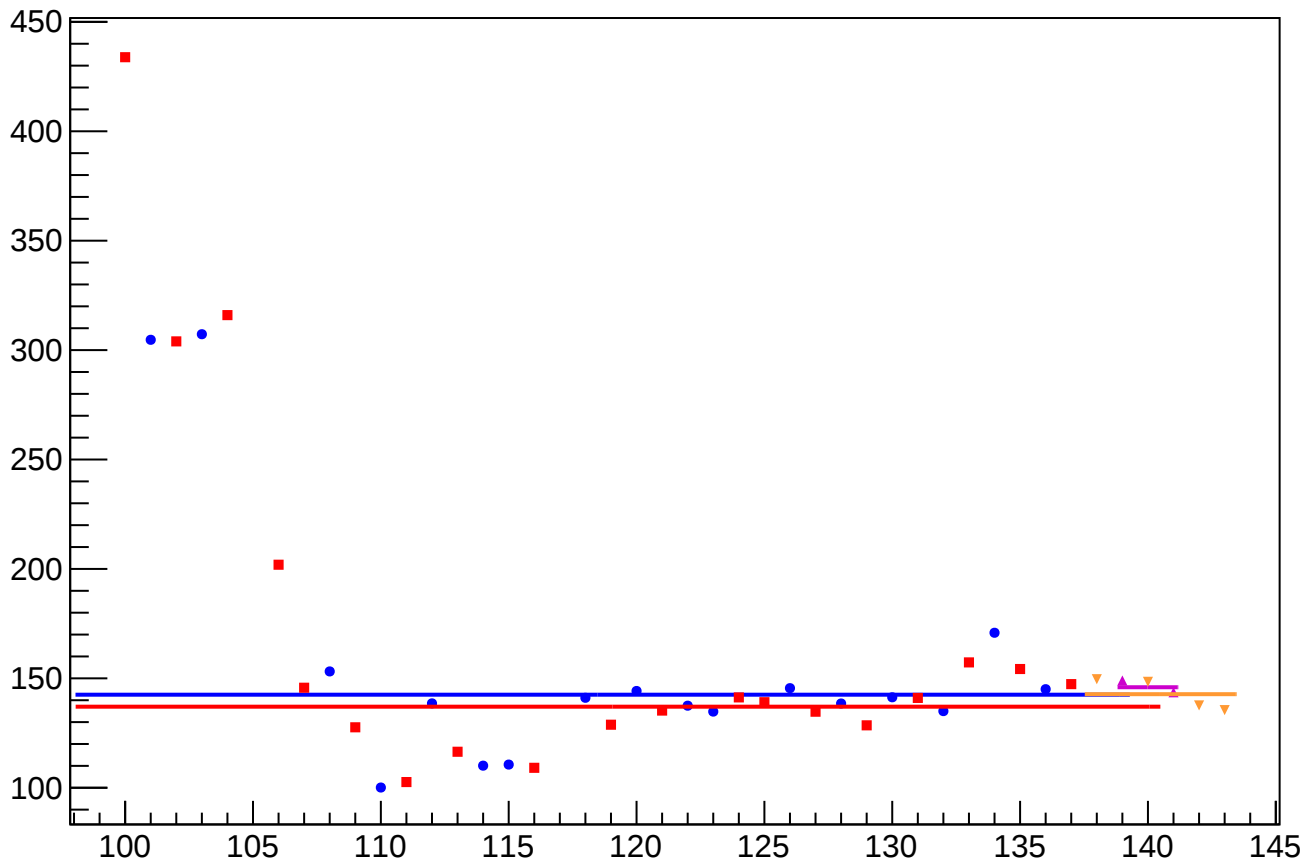
All: 130.959 $\pm$ 0.023 χ^2 /NDF: 3416627.8/41

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127704.536 $\pm$ 0.058	χ^2 /NDF: 97614287.1/16	Left: 121634.142 $\pm$ 0.071	χ^2 /NDF: 11410789.8/5
Left Out: 121587.567 $\pm$ 0.089	χ^2 /NDF: 5393116.4/3	Right: 127715.047 $\pm$ 0.040	χ^2 /NDF: 210322651.4/3
Right Out: 127724.288 $\pm$ 0.055	χ^2 /NDF: 112647022.0/18	In: 126548.992 $\pm$ 0.052	χ^2 /NDF: 2146780087.9/18
Left In: 121718.181 $\pm$ 0.119	χ^2 /NDF: 5241870.2/1	Out: 126036.124 $\pm$ 0.046	χ^2 /NDF: 3599493305.9/2
		All: 126262.445 $\pm$ 0.035	χ^2 /NDF: 580008290

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.524 ± 0.041 $\chi^2/\text{NDF}: 836220.9/16$

Left Out: 142.762 ± 0.063 $\chi^2/\text{NDF}: 10532.4/3$

Right Out: 137.050 ± 0.039 $\chi^2/\text{NDF}: 956482.5/18$

Left In: 145.934 ± 0.084 $\chi^2/\text{NDF}: 1006.9/1$

Left: 143.893 ± 0.050 $\chi^2/\text{NDF}: 12454.4/5$

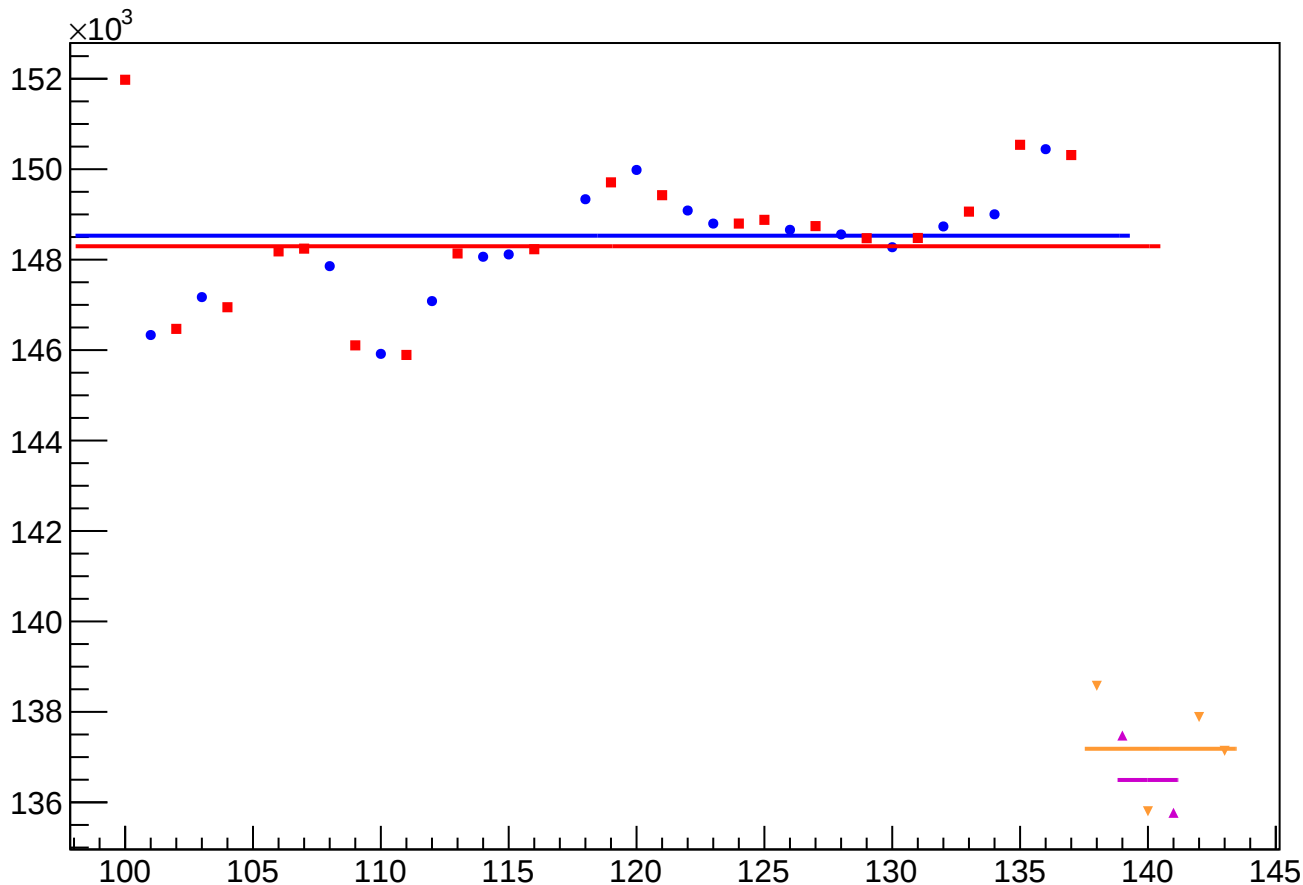
Right: 139.611 ± 0.028 $\chi^2/\text{NDF}: 1802128.3/35$

In: 143.182 ± 0.037 $\chi^2/\text{NDF}: 838553.8/18$

Out: 138.621 ± 0.033 $\chi^2/\text{NDF}: 973047.7/22$

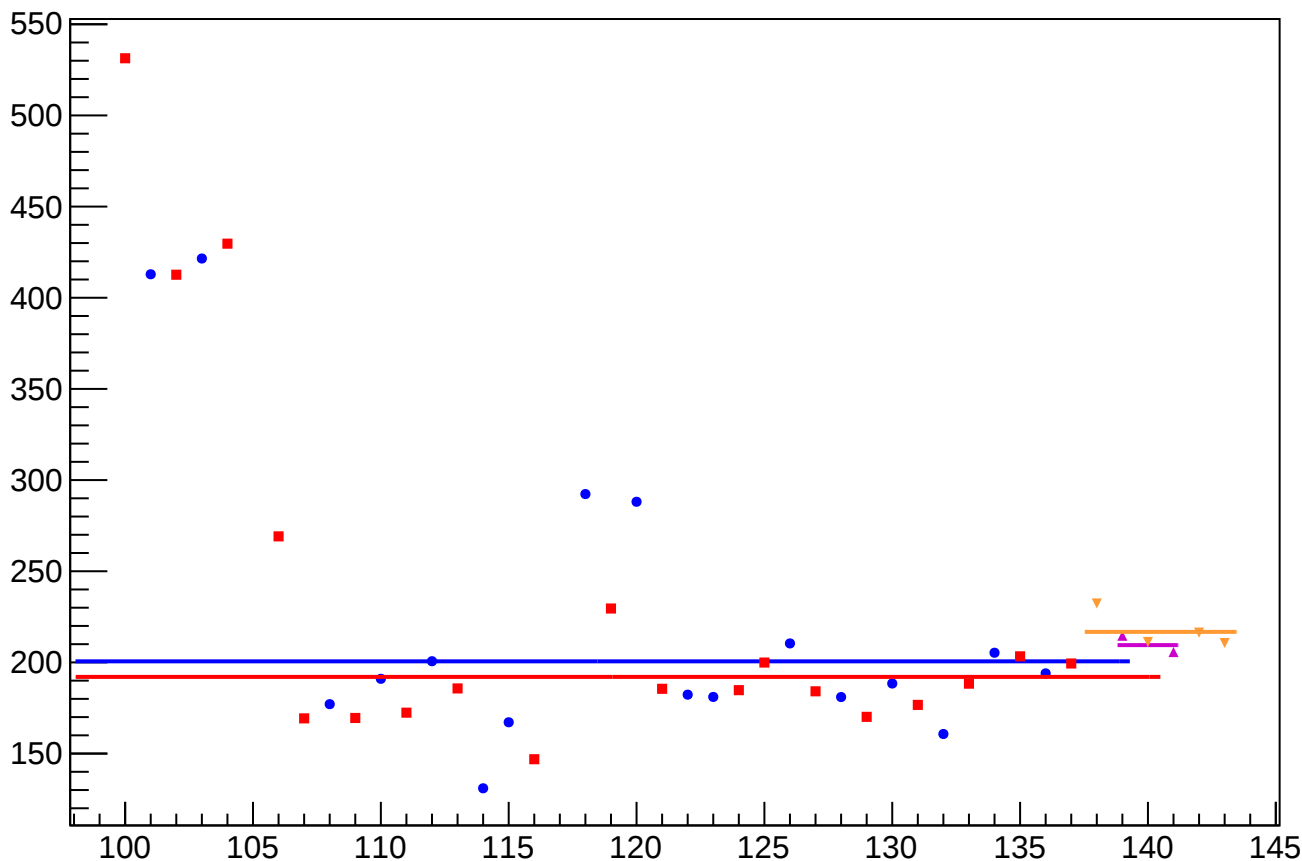
All: 140.634 ± 0.025 $\chi^2/\text{NDF}: 1820114.4/41$

yield_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: 148529.735 $\pm$ 0.082	χ^2 /NDF: 209963911.3/16	Left: 136922.256 $\pm$ 0.105	χ^2 /NDF: 97200545.5/5
Left Out: 137184.333 $\pm$ 0.133	χ^2 /NDF: 62478648.6/3	Right: 148404.511 $\pm$ 0.056	χ^2 /NDF: 507452913.3/3
Right Out: 148296.414 $\pm$ 0.076	χ^2 /NDF: 293172260.2/18	In: 146255.030 $\pm$ 0.074	χ^2 /NDF: 4279338853.7/18
Left In: 136494.449 $\pm$ 0.170	χ^2 /NDF: 24559658.6/1	Out: 145549.388 $\pm$ 0.066	χ^2 /NDF: 5580209266.5/2
		All: 145863.284 $\pm$ 0.049	χ^2 /NDF: 990990838.6/1

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 200.585+/-0.058 χ^2/NDF : 935452.3/16

Left Out: 216.750+/-0.094 χ^2/NDF : 8662.0/3

Right Out: 192.054+/-0.054 χ^2/NDF : 845373.5/18

Left In: 209.480+/-0.121 χ^2/NDF : 1349.1/1

Left: 213.988+/-0.074 χ^2/NDF : 12268.0/5

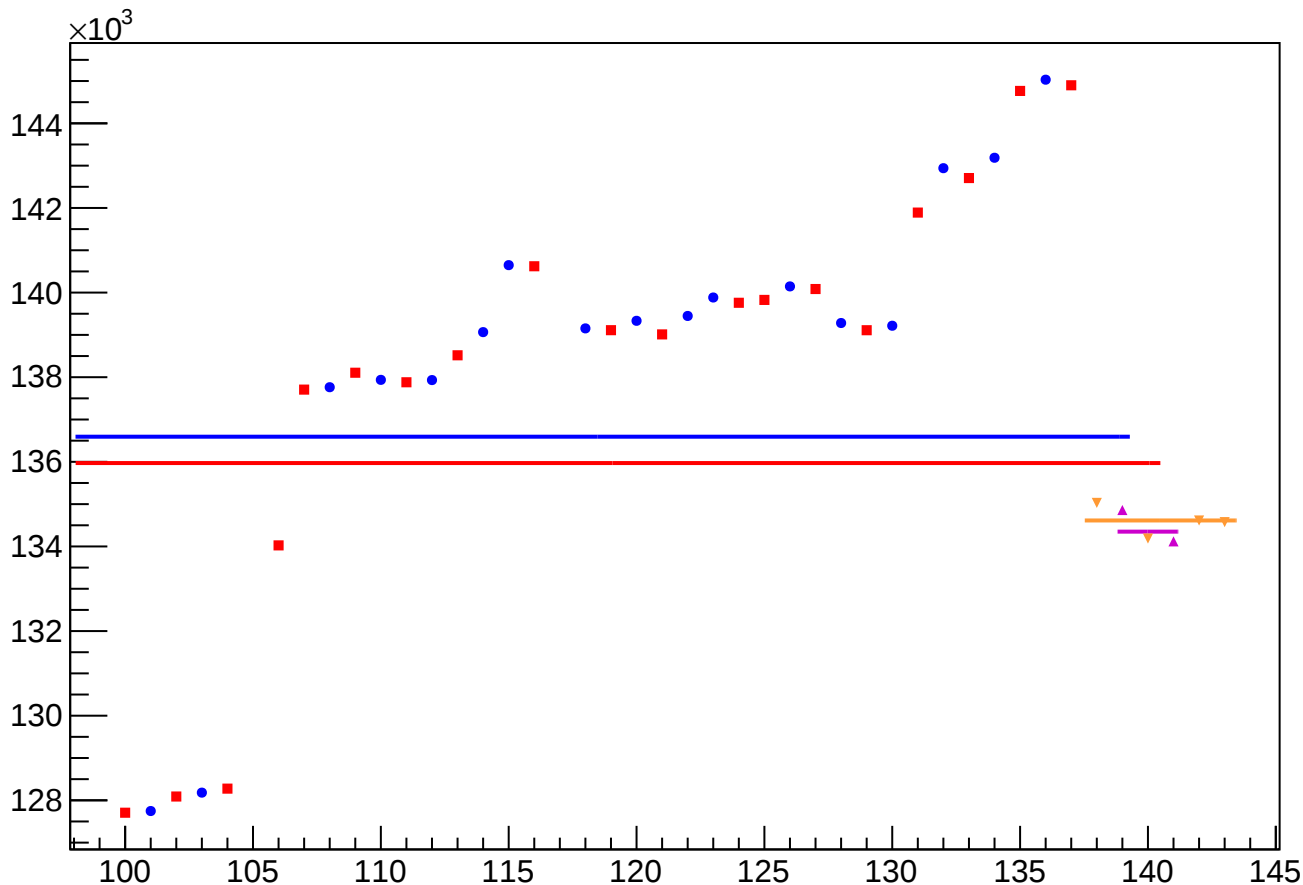
Right: 196.006+/-0.040 χ^2/NDF : 1792367.6/35

In: 202.266+/-0.052 χ^2/NDF : 941220.5/18

Out: 198.159+/-0.047 χ^2/NDF : 905645.5/22

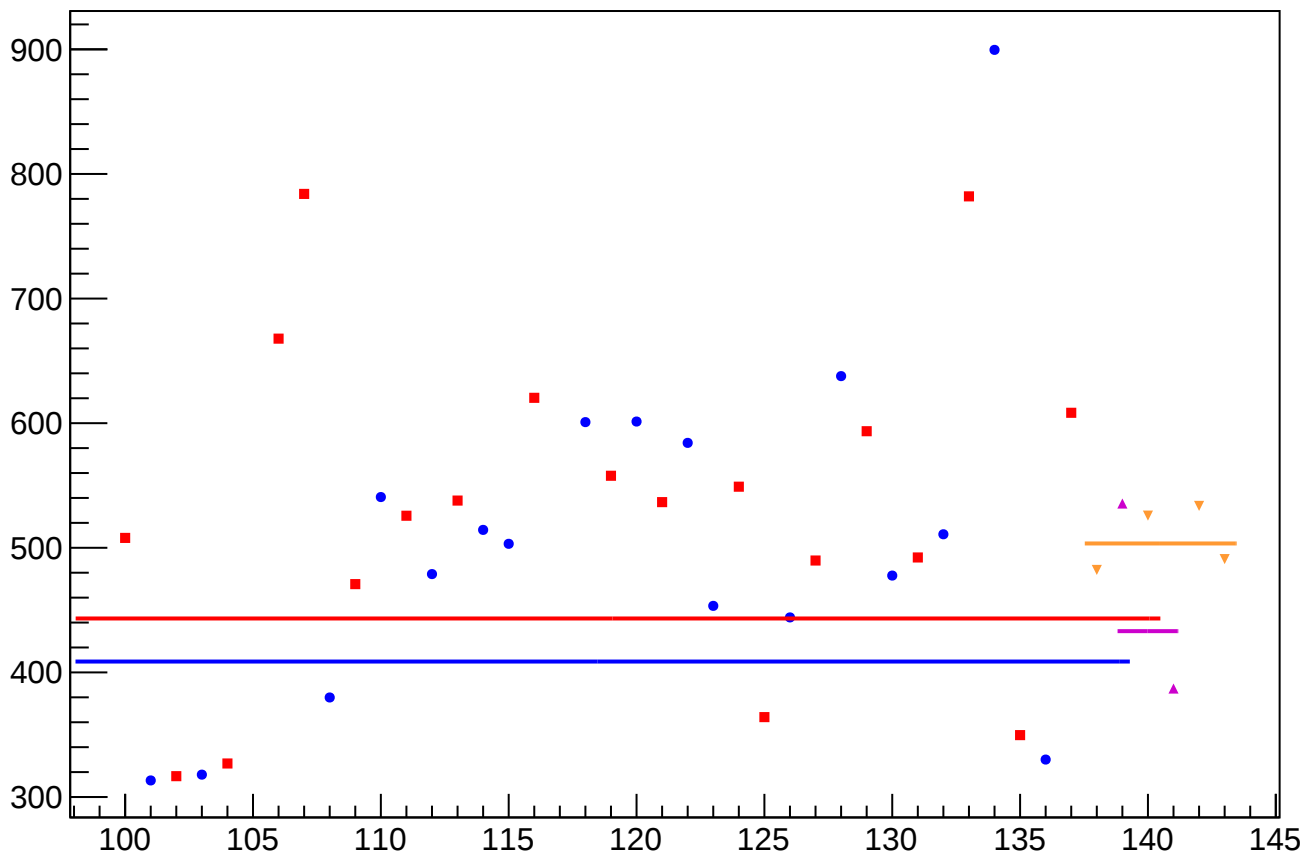
All: 199.986+/-0.035 χ^2/NDF : 1850278.0/41

yield_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: 136593.896 $\pm$ 0.172	χ^2 /NDF: 1493317567.5/16	Left: 134516.515 $\pm$ 0.252	χ^2 /NDF: 1908890.4/5
Left Out: 134614.032 $\pm$ 0.317	χ^2 /NDF: 967905.4/3	Right: 136301.988 $\pm$ 0.125	χ^2 /NDF: 2580296104.5/1
Right Out: 135970.927 $\pm$ 0.183	χ^2 /NDF: 1080815746.9/18	In: 136264.588 $\pm$ 0.159	χ^2 /NDF: 1519044916.6/18
Left In: 134349.925 $\pm$ 0.414	χ^2 /NDF: 684533.8/1	Out: 135631.784 $\pm$ 0.158	χ^2 /NDF: 1095534543.0/2
		All: 135947.707 $\pm$ 0.112	χ^2 /NDF: 262254392.0/1

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 408.721 ± 0.121 $\chi^2/\text{NDF}: 830375.0/16$

Left Out: 503.468 ± 0.224 $\chi^2/\text{NDF}: 8740.5/3$

Right Out: 443.274 ± 0.129 $\chi^2/\text{NDF}: 916555.3/18$

Left In: 433.107 ± 0.293 $\chi^2/\text{NDF}: 54982.9/1$

Left: 477.489 ± 0.178 $\chi^2/\text{NDF}: 100127.1/5$

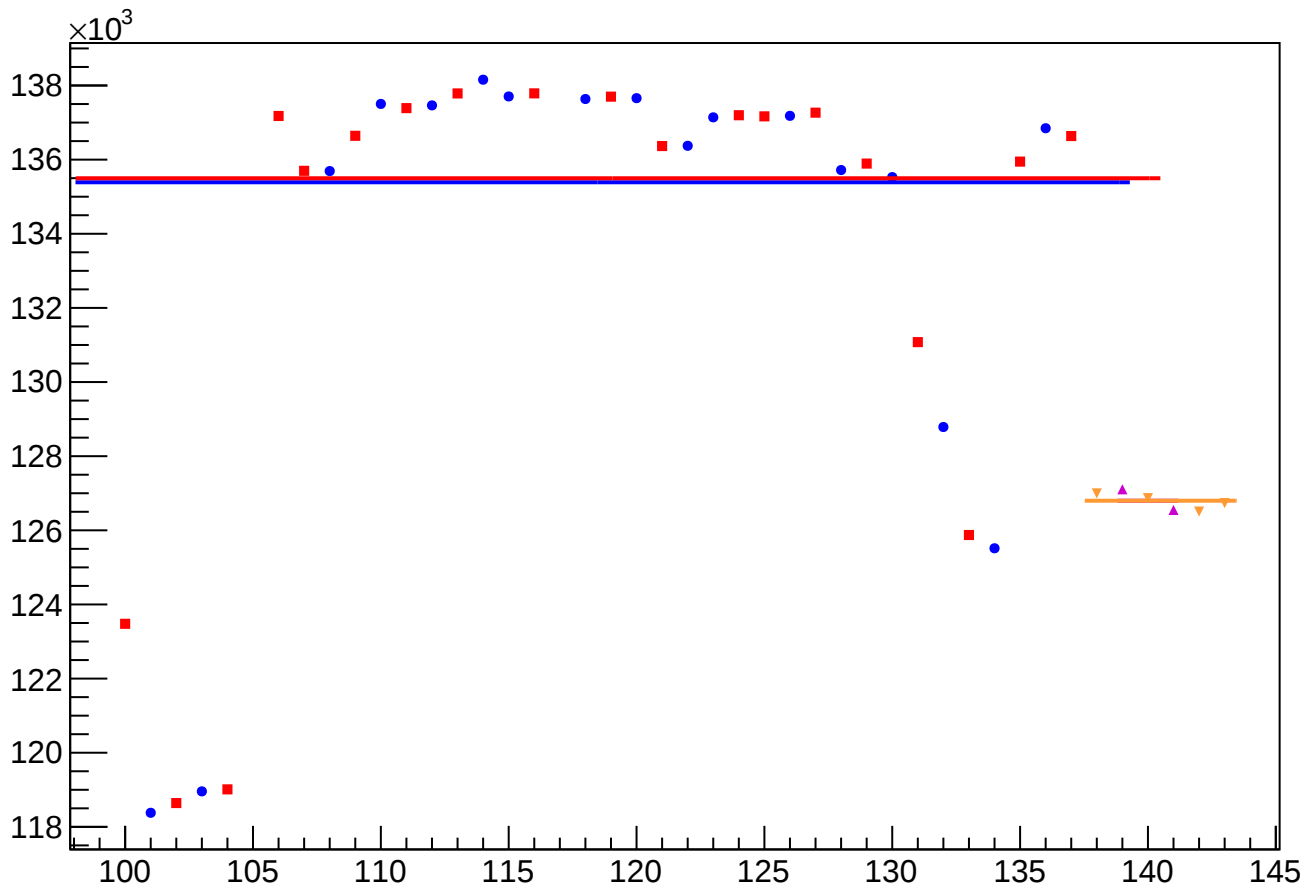
Right: 424.912 ± 0.089 $\chi^2/\text{NDF}: 1784847.3/35$

In: 412.300 ± 0.112 $\chi^2/\text{NDF}: 891272.7/18$

Out: 458.319 ± 0.112 $\chi^2/\text{NDF}: 979419.3/22$

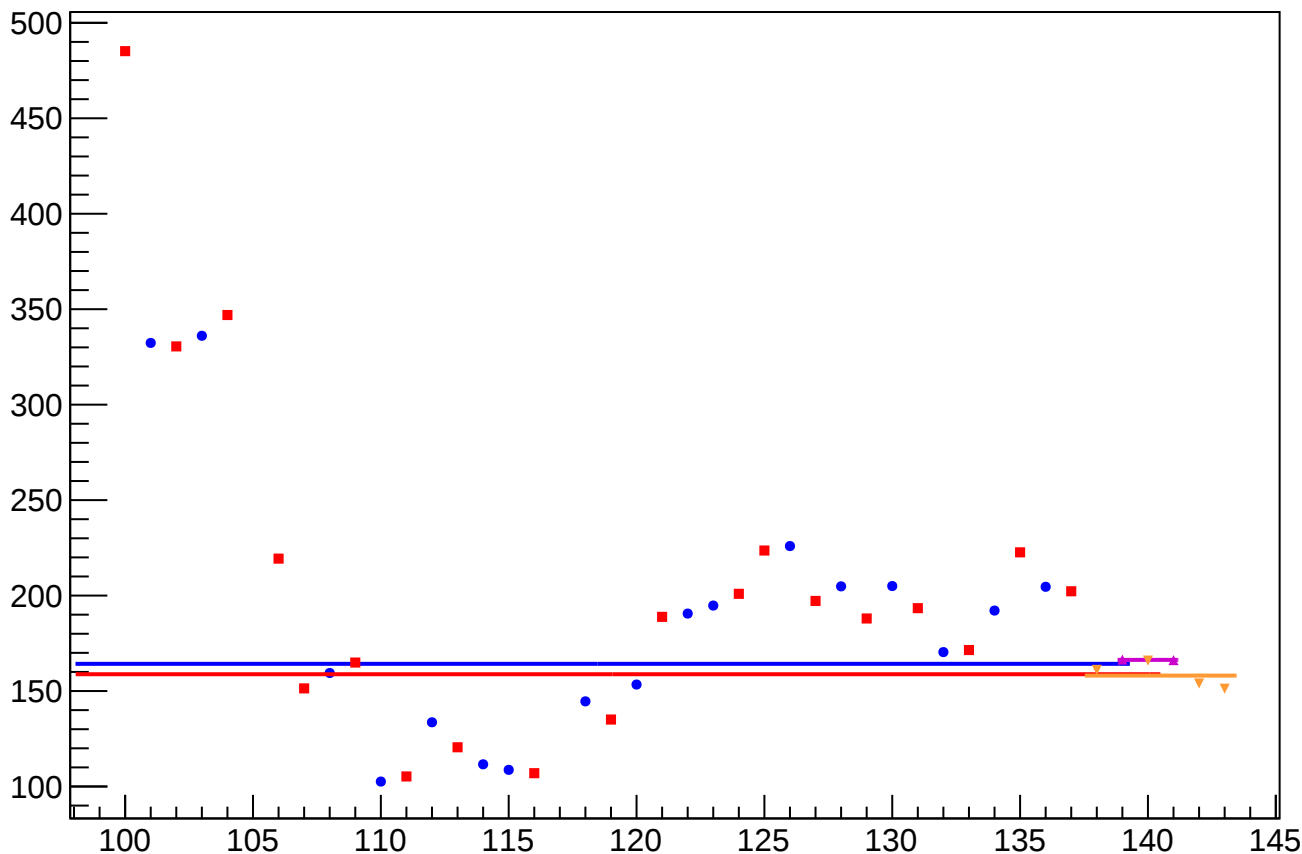
All: 435.344 ± 0.079 $\chi^2/\text{NDF}: 1954932.7/41$

yield_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: 135389.443 $\pm$ 0.068	χ^2/NDF : 4578120272.5/16	Left: 126798.437 $\pm$ 0.079	χ^2/NDF : 7030264.5/5
Left Out: 126798.702 $\pm$ 0.097	χ^2/NDF : 2829138.5/3	Right: 135446.829 $\pm$ 0.047	χ^2/NDF : 9318066155.5/3
Right Out: 135497.758 $\pm$ 0.064	χ^2/NDF : 4738615601.8/18	In: 133642.244 $\pm$ 0.061	χ^2/NDF : 7794982864.2/18
Left In: 126797.925 $\pm$ 0.135	χ^2/NDF : 4201104.3/1	Out: 132852.685 $\pm$ 0.054	χ^2/NDF : 10290246173.8/18
		All: 133197.498 $\pm$ 0.040	χ^2/NDF : 181795676.5/18

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 164.250+/-0.048 χ^2/NDF : 1227814.4/16

Left Out: 158.091+/-0.069 χ^2/NDF : 7595.0/3

Right Out: 158.804+/-0.046 χ^2/NDF : 1376920.6/18

Left In: 166.319+/-0.096 χ^2/NDF : 2.1/1

Left: 160.901+/-0.056 χ^2/NDF : 12468.4/5

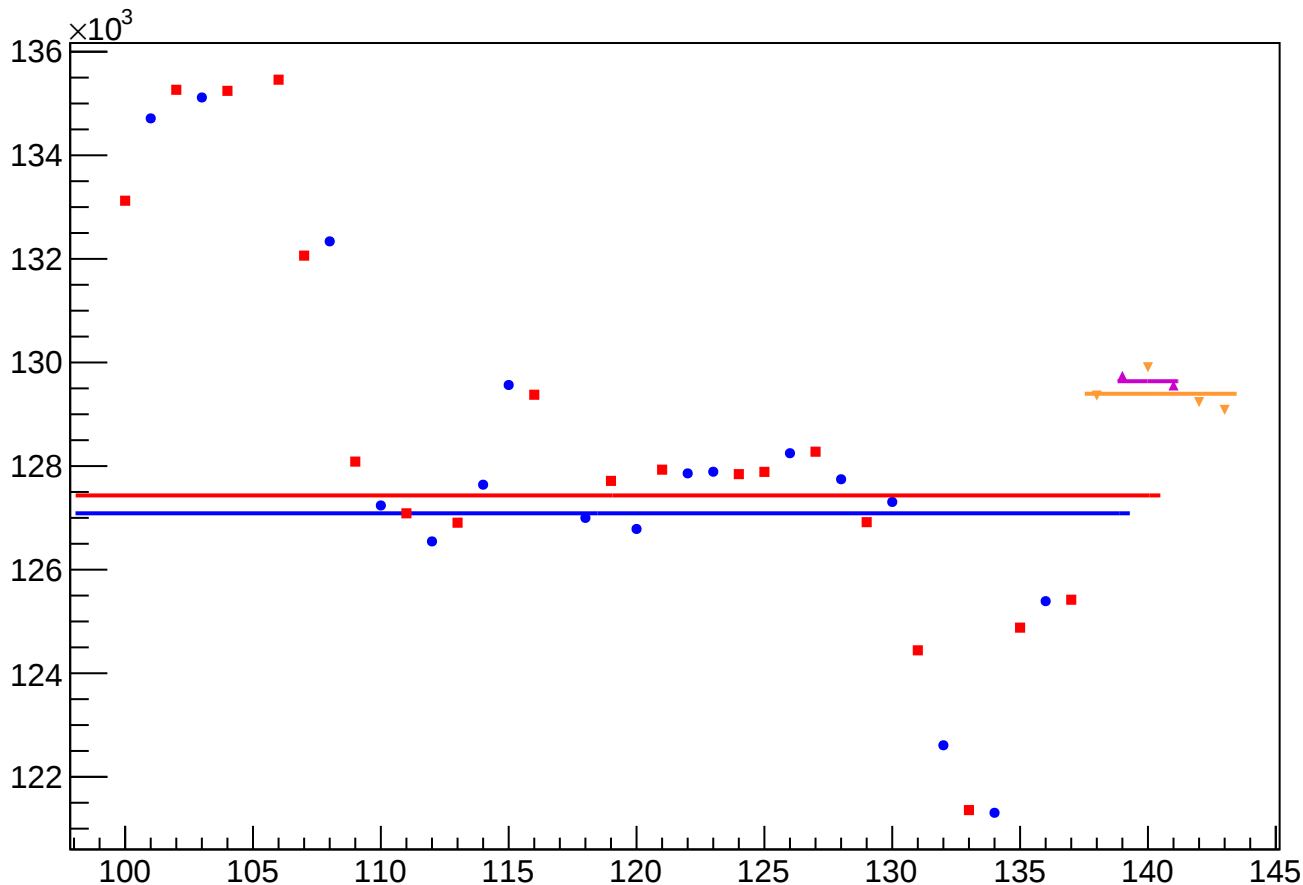
Right: 161.365+/-0.033 χ^2/NDF : 2611460.2/35

In: 164.671+/-0.043 χ^2/NDF : 1228189.2/18

Out: 158.587+/-0.038 χ^2/NDF : 1384590.2/22

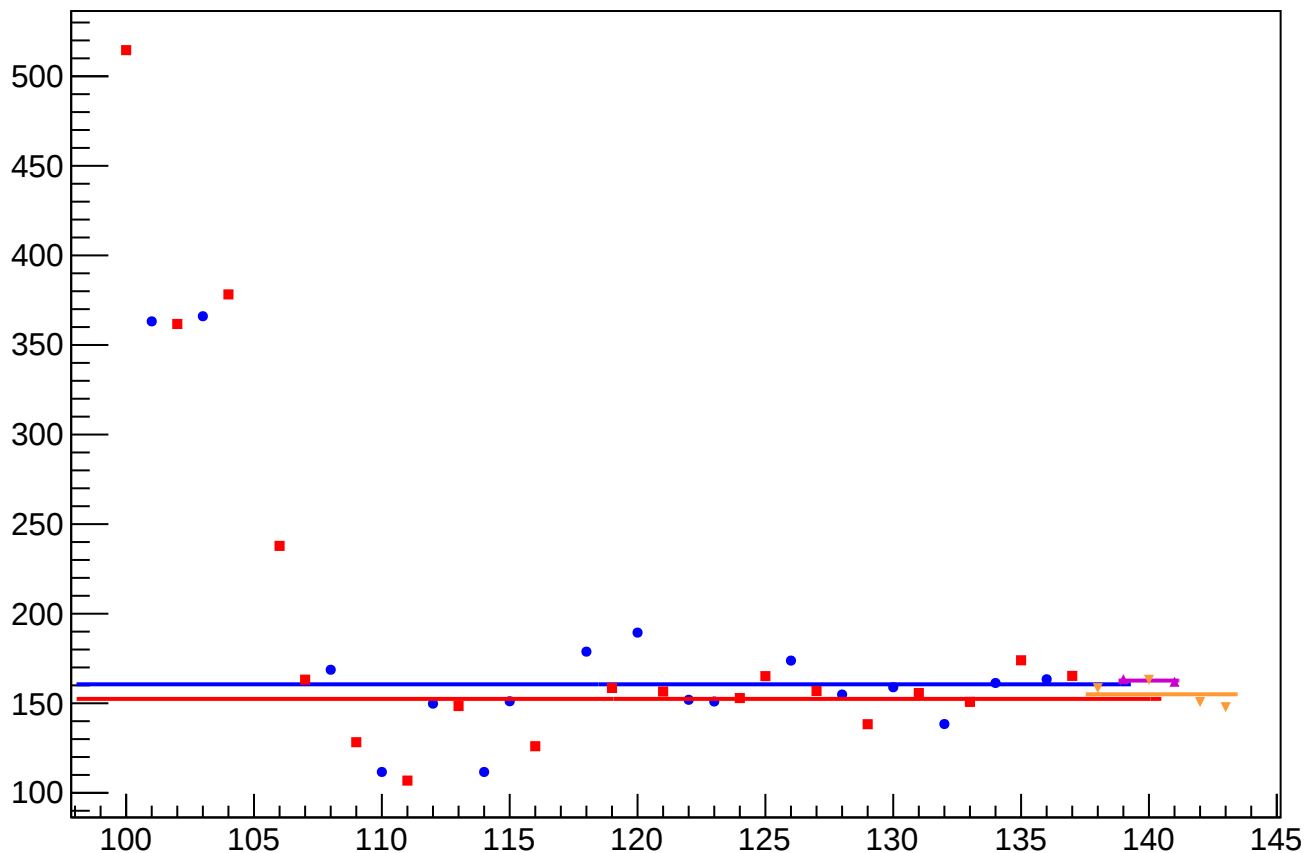
All: 161.244+/-0.029 χ^2/NDF : 2623979.6/41

yield_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: 127088.167+/-0.066	χ^2/NDF : 1716591601.9/16	Left: 129479.308+/-0.078	χ^2/NDF : 13953250.0/5
Left Out: 129396.115+/-0.096	χ^2/NDF : 11282940.4/3	Right: 127273.865+/-0.045	χ^2/NDF : 3812853475.7/1
Right Out: 127433.358+/-0.062	χ^2/NDF : 2081739412.0/18	In: 127601.156+/-0.059	χ^2/NDF : 2013449686.4/18
Left In: 129638.384+/-0.132	χ^2/NDF : 471721.2/1	Out: 128007.578+/-0.052	χ^2/NDF : 2390315304.9/2
		All: 127831.997+/-0.039	χ^2/NDF : 44303724.0/1

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 160.589+/-0.047 χ^2/NDF : 942522.1/16

Left Out: 155.017+/-0.068 χ^2/NDF :8639.3/3

Right Out: 152.452+/-0.044 χ^2/NDF : 1084973.3/18

Left In: 162.674+/-0.094 χ^2/NDF :57.8/1

Left: 157.646+/-0.055 χ^2/NDF : 13089.1/5

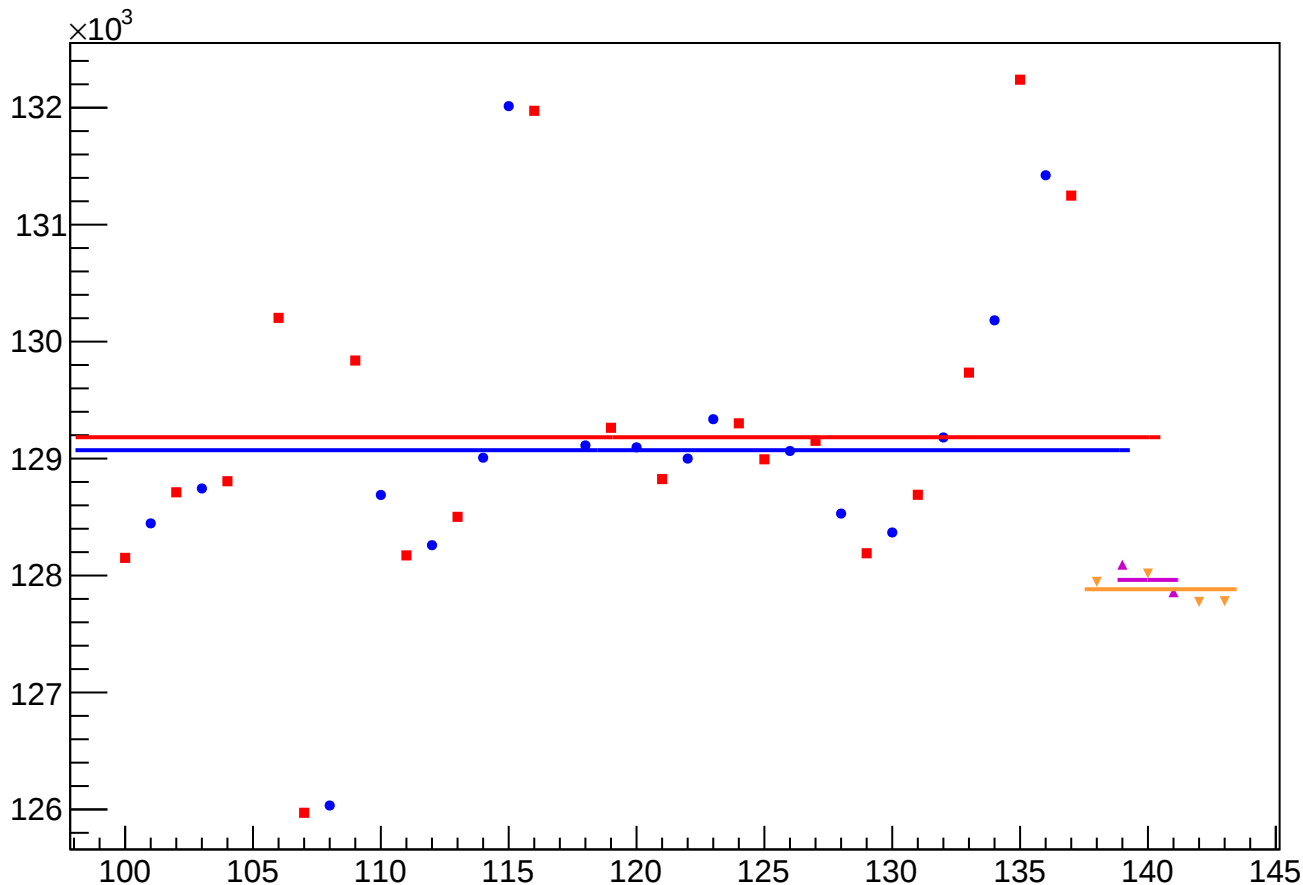
Right: 156.211+/-0.032 χ^2/NDF : 2043633.6/35

In: 161.008+/-0.042 χ^2/NDF :942976.2/18

Out: 153.202+/-0.037 χ^2/NDF :1094628.2/22

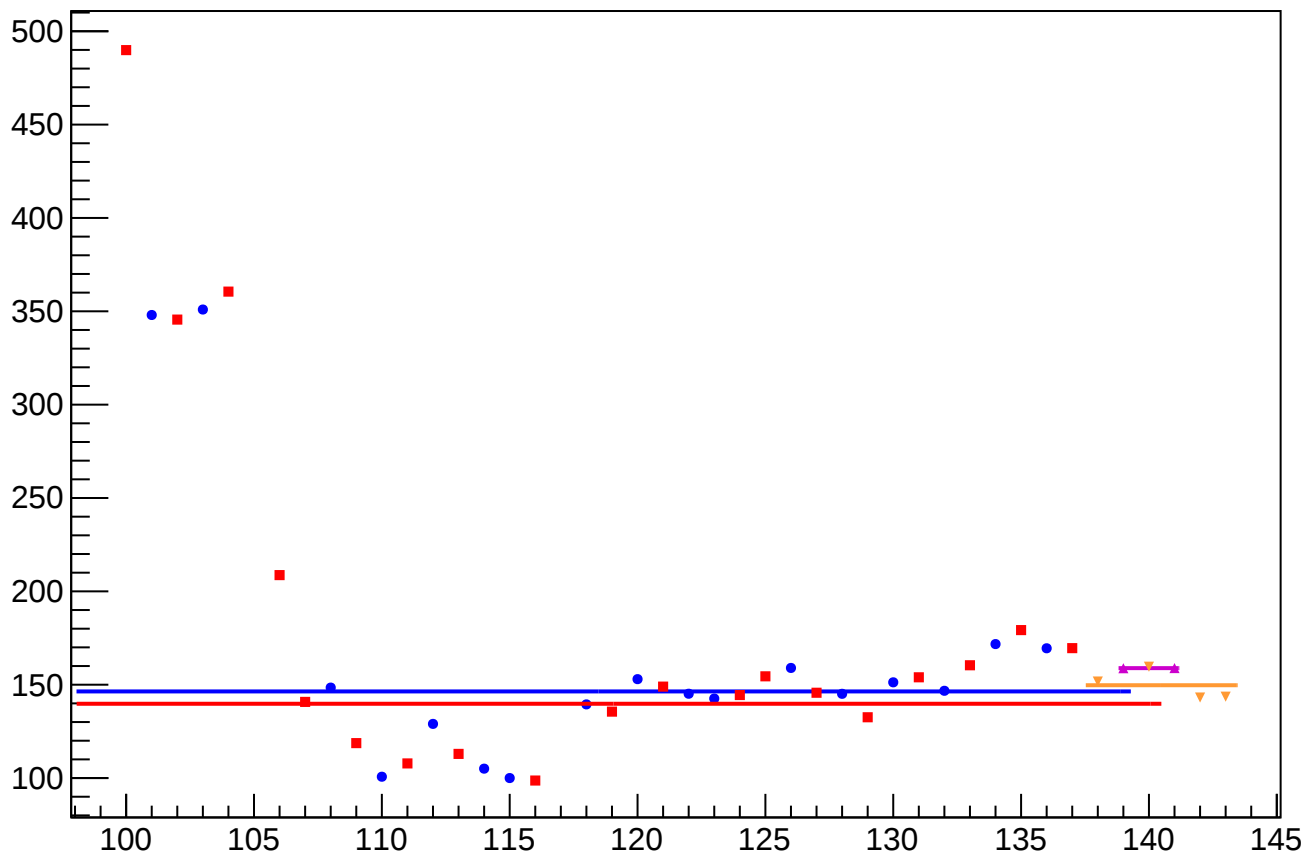
All: 156.574+/-0.028 χ^2/NDF : 2057233.7/41

yield_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: 129071.617 $\pm$ 0.060 χ^2/NDF : 476291091.1/16
 Left In: 127962.627 $\pm$ 0.129 χ^2/NDF : 821858.3/1
 Right Out: 129182.486 $\pm$ 0.056 χ^2/NDF : 625425272.9/18
 Left Out: 127882.841 $\pm$ 0.092 χ^2/NDF : 1284864.7/3
 In: 128873.395 $\pm$ 0.055 χ^2/NDF : 537623419.3/18
 Out: 128830.983 $\pm$ 0.048 χ^2/NDF : 771730013.6/22
 All: 128849.437 $\pm$ 0.036 χ^2/NDF : 130969400

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 146.401 $\pm$ 0.043 χ^2 /NDF: 1066973.0/16

Left Out: 149.718 $\pm$ 0.065 χ^2 /NDF:10645.1/3

Right Out: 139.793 $\pm$ 0.040 χ^2 /NDF: 1200865.0/18

Left In: 158.875 $\pm$ 0.091 χ^2 /NDF:0.2/1

Left: 152.807 $\pm$ 0.053 χ^2 /NDF: 17303.6/5

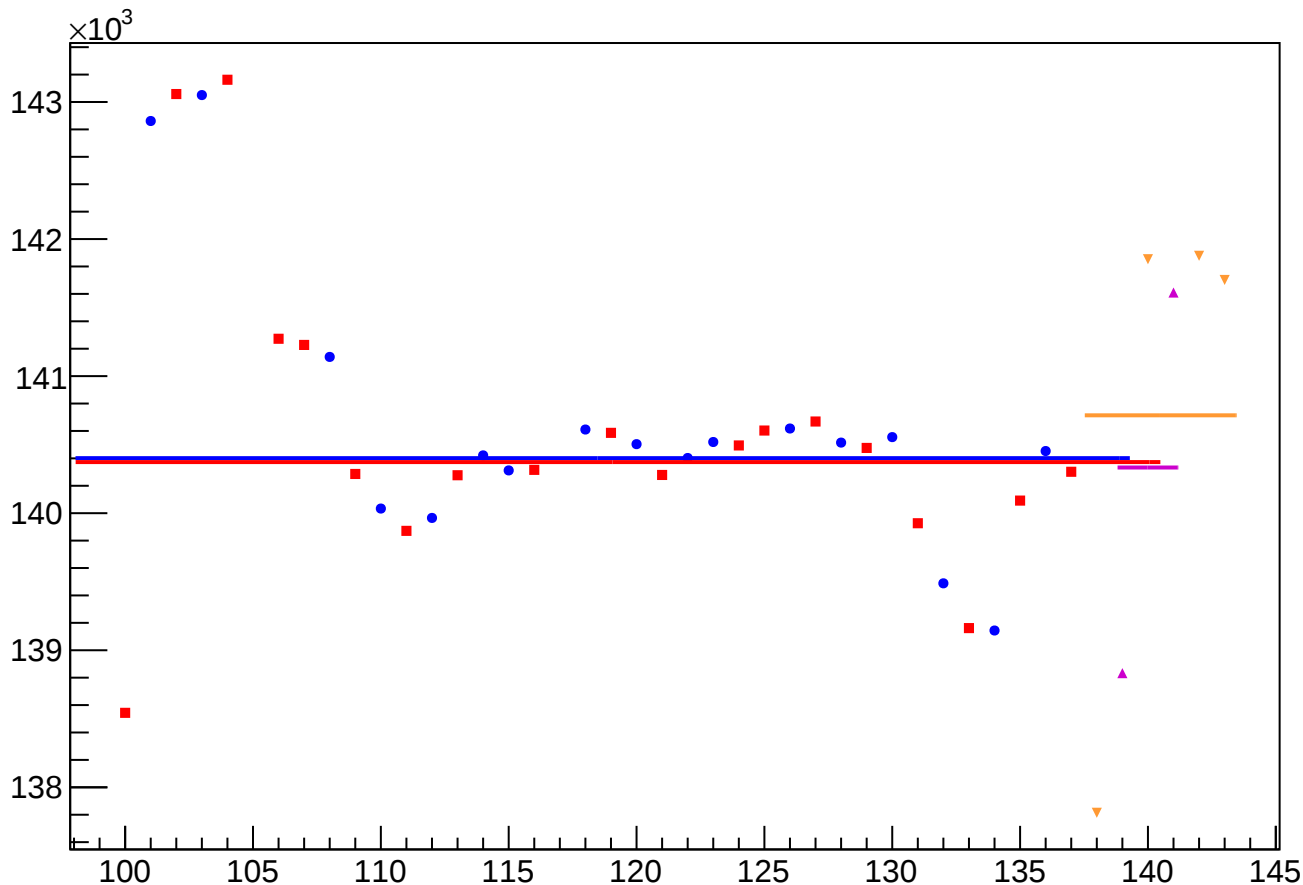
Right: 142.862 $\pm$ 0.029 χ^2 /NDF: 2280713.0/35

In: 148.631 $\pm$ 0.039 χ^2 /NDF:1082284.4/18

Out: 142.477 $\pm$ 0.034 χ^2 /NDF:1228423.4/22

All: 145.155 $\pm$ 0.025 χ^2 /NDF: 2325045.8/41

yield_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: 140401.573 $\pm$ 0.064

χ^2 /NDF: 88055814.0/16

Left: 140581.502 $\pm$ 0.088

χ^2 /NDF: 353113030.3/5

Left Out: 140714.066 $\pm$ 0.109

χ^2 /NDF: 263082224.5/3

Right: 140386.177 $\pm$ 0.044

χ^2 /NDF: 188006778.1/3

Right Out: 140372.890 $\pm$ 0.060

χ^2 /NDF: 99844698.8/18

In: 140390.849 $\pm$ 0.059

χ^2 /NDF: 174027780.7/18

Left In: 140333.242 $\pm$ 0.149

χ^2 /NDF: 85795636.6/1

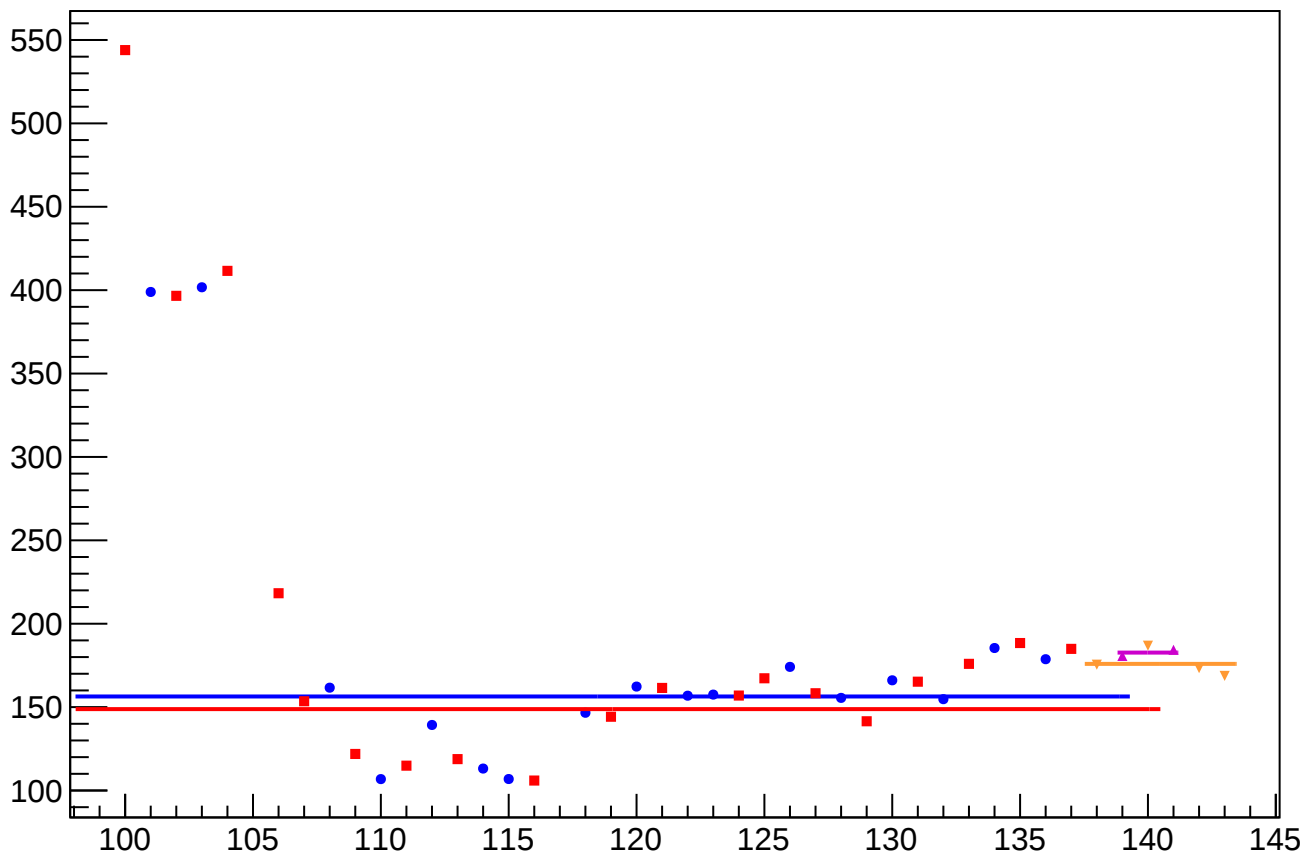
Out: 140451.795 $\pm$ 0.053

χ^2 /NDF: 370433615.3/22

All: 140424.956 $\pm$ 0.039

χ^2 /NDF: 545054748

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 156.377+/-0.046 χ^2/NDF : 1154470.5/16

Left Out: 175.920+/-0.077 χ^2/NDF : 7994.0/3

Right Out: 148.800+/-0.042 χ^2/NDF : 1304529.7/18

Left In: 182.687+/-0.106 χ^2/NDF : 301.0/1

Left: 178.276+/-0.062 χ^2/NDF : 10970.0/5

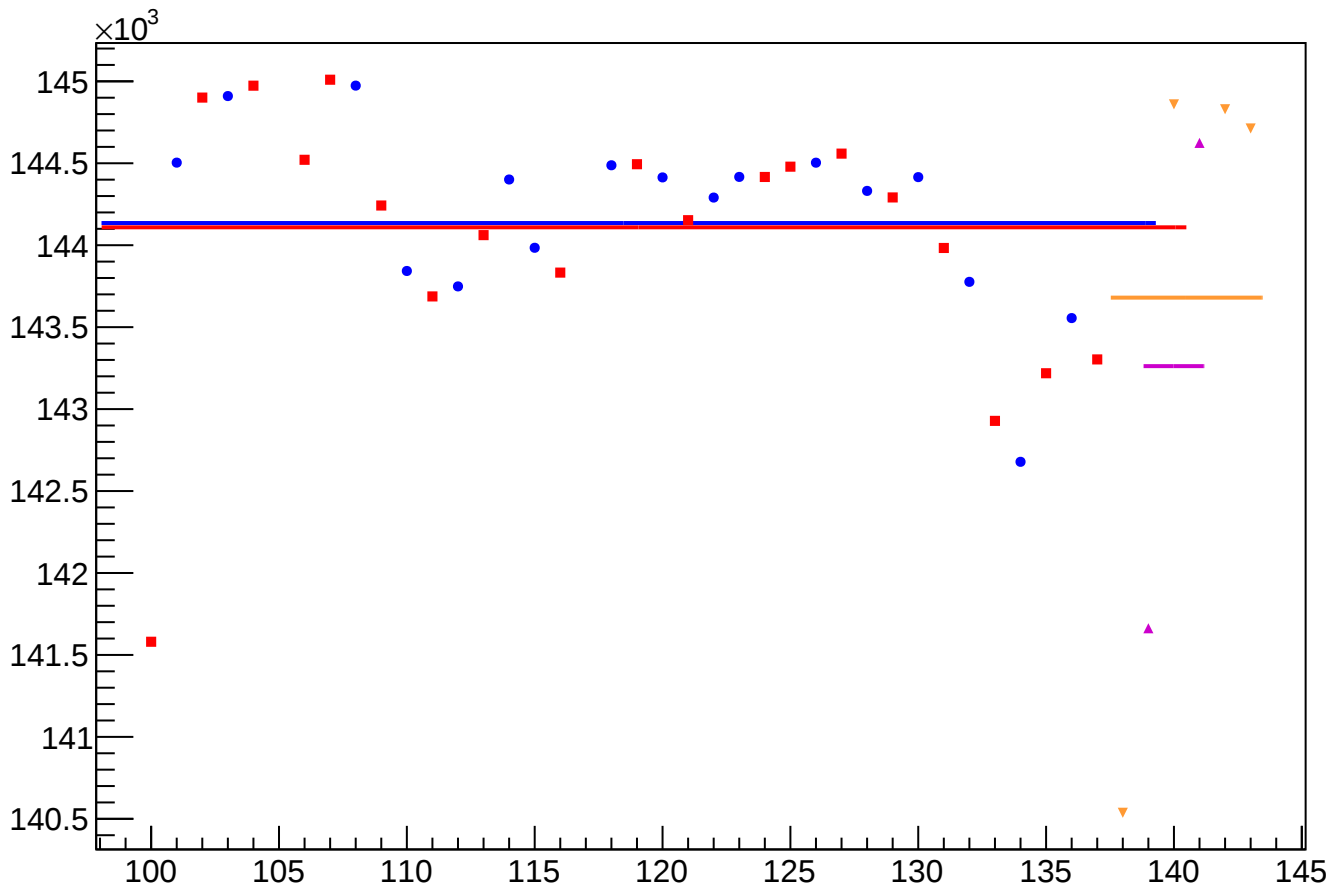
Right: 152.310+/-0.031 χ^2/NDF : 2473830.9/35

In: 160.506+/-0.042 χ^2/NDF : 1207059.4/18

Out: 155.072+/-0.037 χ^2/NDF : 1407387.7/22

All: 157.465+/-0.028 χ^2/NDF : 2623879.9/41

yield_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: 144135.363 $\pm$ 0.067

χ^2/NDF : 47030717.0/16

Left: 143537.632 $\pm$ 0.087

χ^2/NDF : 406215457.0/5

Right: 144121.238 $\pm$ 0.045

χ^2/NDF : 112346812.4/3

Left Out: 143680.144 $\pm$ 0.107

χ^2/NDF : 303164926.0/3

In: 143989.273 $\pm$ 0.061

χ^2/NDF : 173432427.5/18

Right Out: 144109.137 $\pm$ 0.062

χ^2/NDF : 65233259.1/18

Out: 144002.045 $\pm$ 0.054

χ^2/NDF : 380389938.7/22

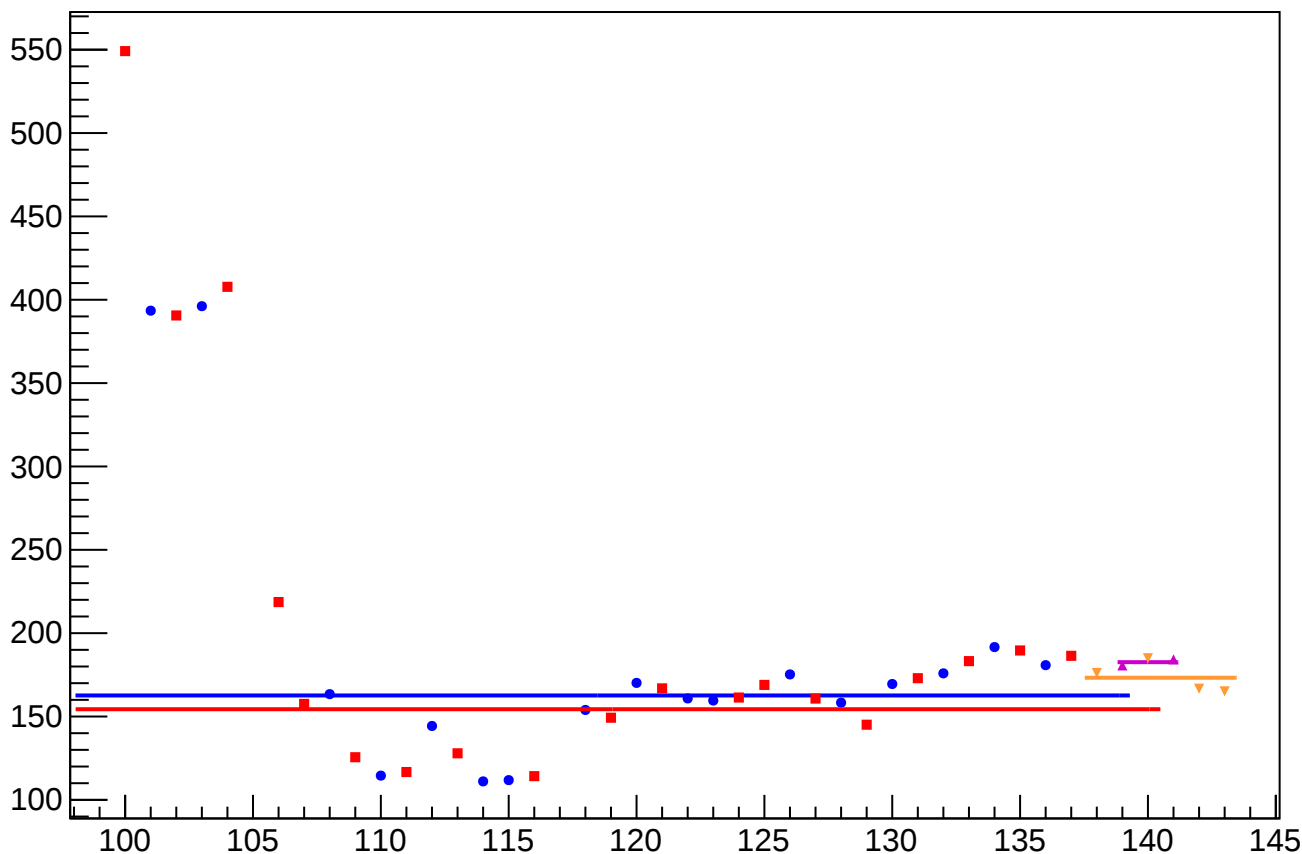
Left In: 143262.171 $\pm$ 0.149

χ^2/NDF : 97877931.3/1

All: 143996.481 $\pm$ 0.040

χ^2/NDF : 553847085.0/22

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 162.634 ± 0.047 $\chi^2/\text{NDF}: 1069524.2/16$

Left Out: 173.265 ± 0.076 $\chi^2/\text{NDF}: 11325.8/3$

Right Out: 154.377 ± 0.044 $\chi^2/\text{NDF}: 1214462.2/18$

Left In: 182.608 ± 0.105 $\chi^2/\text{NDF}: 293.3/1$

Left: 176.451 ± 0.062 $\chi^2/\text{NDF}: 16788.6/5$

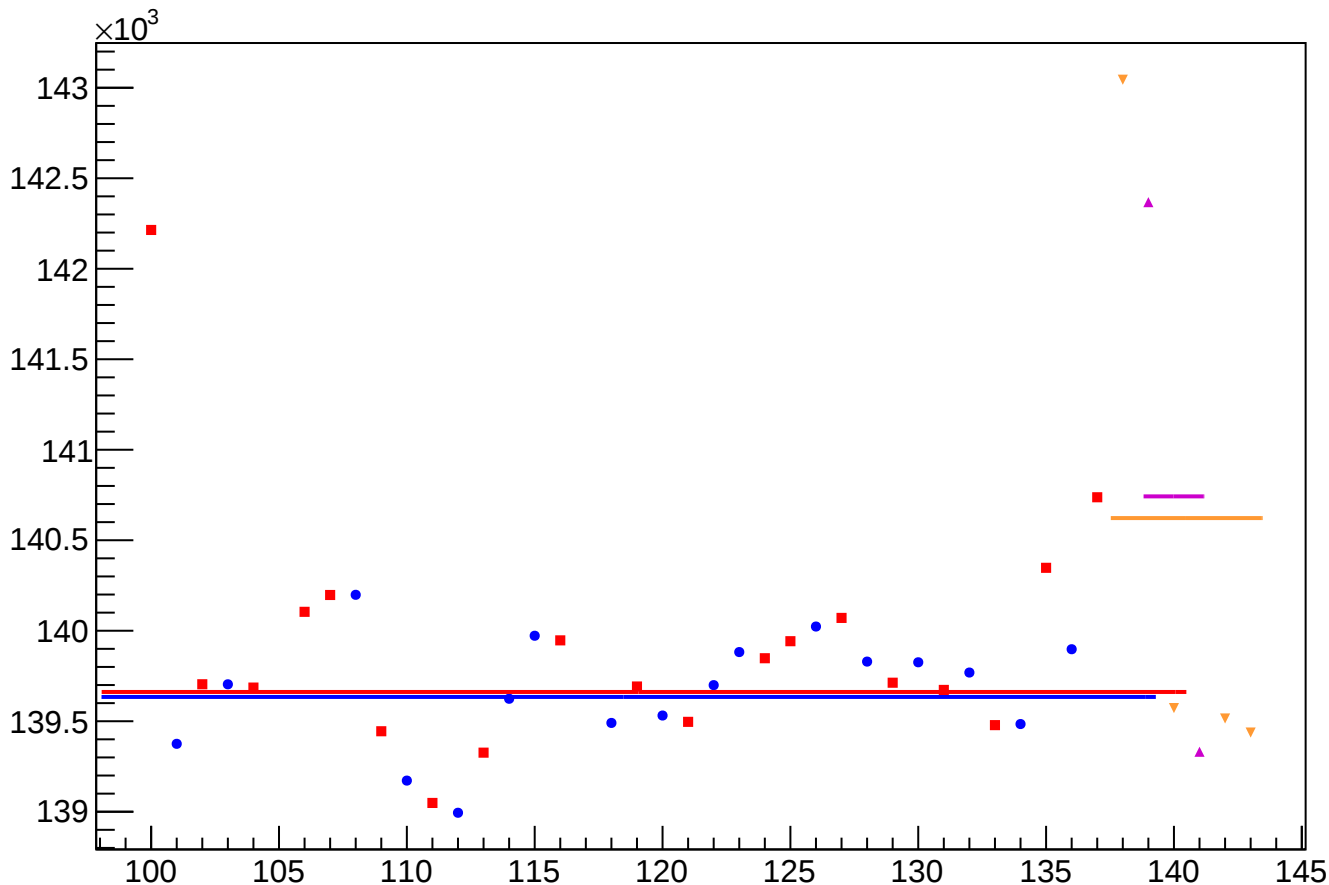
Right: 158.187 ± 0.032 $\chi^2/\text{NDF}: 2300407.0/35$

In: 165.976 ± 0.043 $\chi^2/\text{NDF}: 1099668.2/18$

Out: 159.092 ± 0.038 $\chi^2/\text{NDF}: 1272277.9/22$

All: 162.091 ± 0.028 $\chi^2/\text{NDF}: 2386307.3/41$

yield_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: 139634.248 $\pm$ 0.068

χ^2 /NDF: 24816599.6/16

Left: 140665.342 $\pm$ 0.097

χ^2 /NDF: 269752558.6/5

Left Out: 140622.465 $\pm$ 0.121

χ^2 /NDF: 182815114.9/3

Right: 139648.993 $\pm$ 0.046

χ^2 /NDF: 63258749.7/35

Right Out: 139661.708 $\pm$ 0.063

χ^2 /NDF: 38354381.9/18

In: 139798.608 $\pm$ 0.063

χ^2 /NDF: 150884233.1/18

Left In: 140742.346 $\pm$ 0.163

χ^2 /NDF: 86588946.3/1

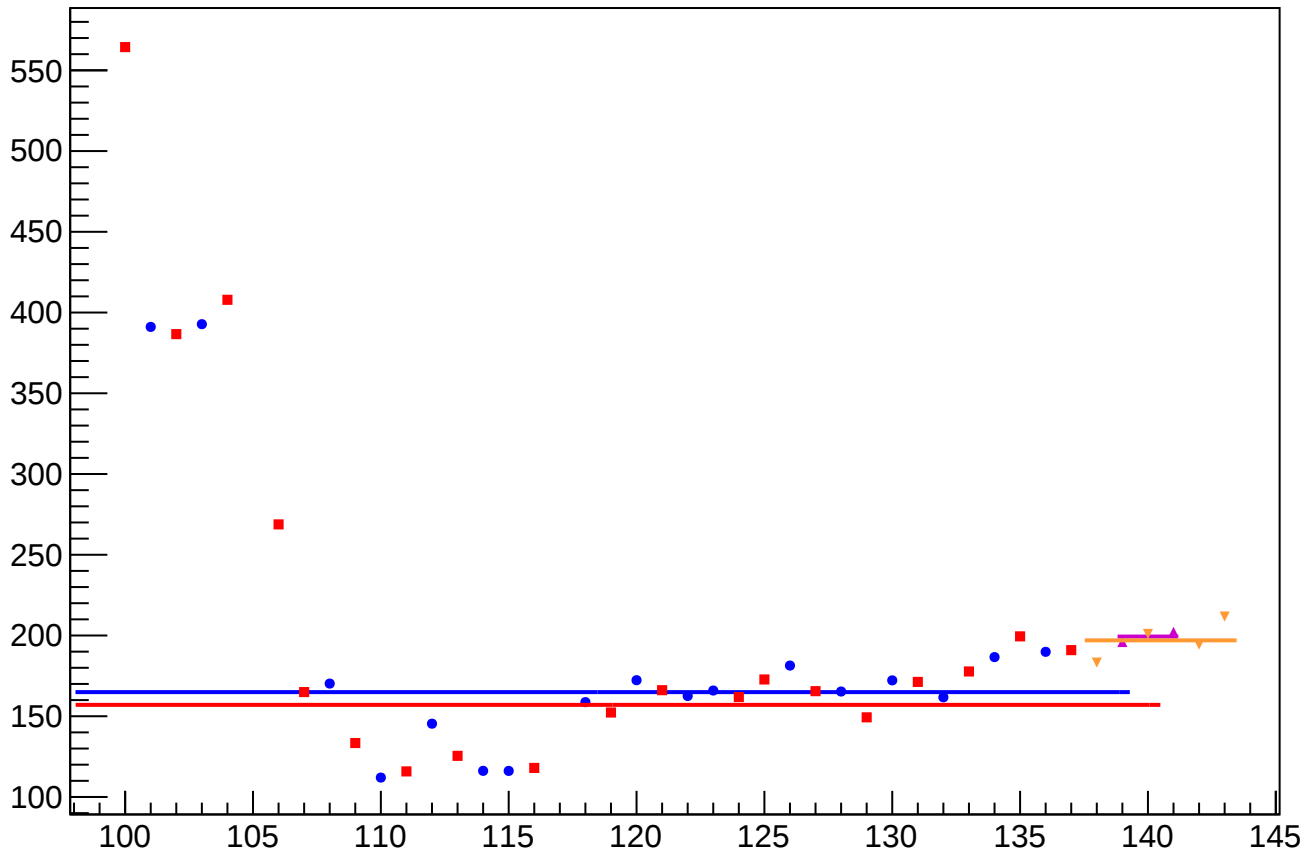
Out: 139865.802 $\pm$ 0.056

χ^2 /NDF: 270456735.8/22

All: 139835.991 $\pm$ 0.042

χ^2 /NDF: 421980269.8/100

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 164.938+/-0.048 χ^2/NDF : 1064403.1/16

Left Out: 196.986+/-0.086 χ^2/NDF :16159.8/3

Right Out: 157.047+/-0.045 χ^2/NDF : 1242666.6/18

Left In: 199.345+/-0.115 χ^2/NDF :749.3/1

Left: 197.830+/-0.069 χ^2/NDF : 17179.1/5

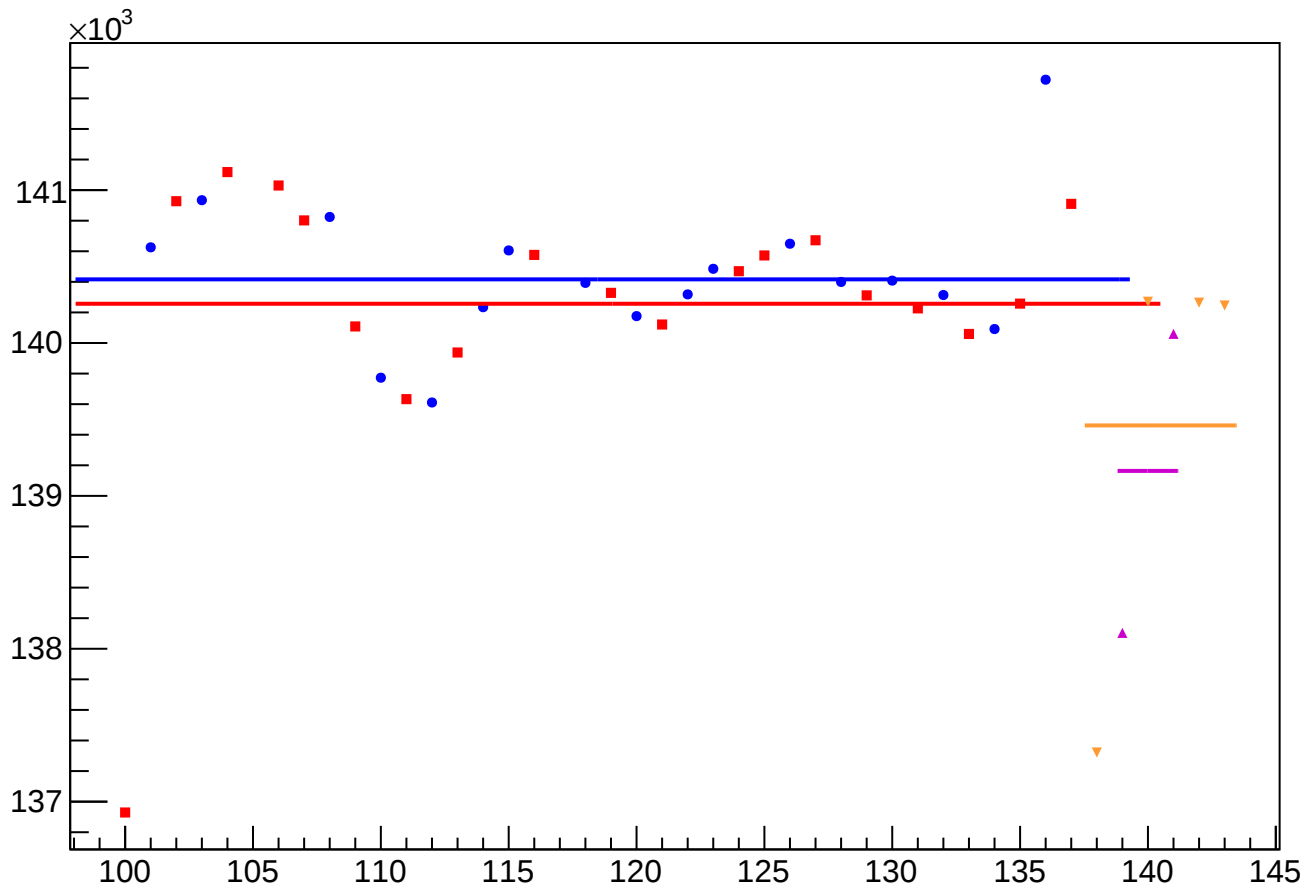
Right: 160.701+/-0.033 χ^2/NDF : 2321561.9/35

In: 170.041+/-0.044 χ^2/NDF :1141280.4/18

Out: 165.531+/-0.040 χ^2/NDF :1429164.8/22

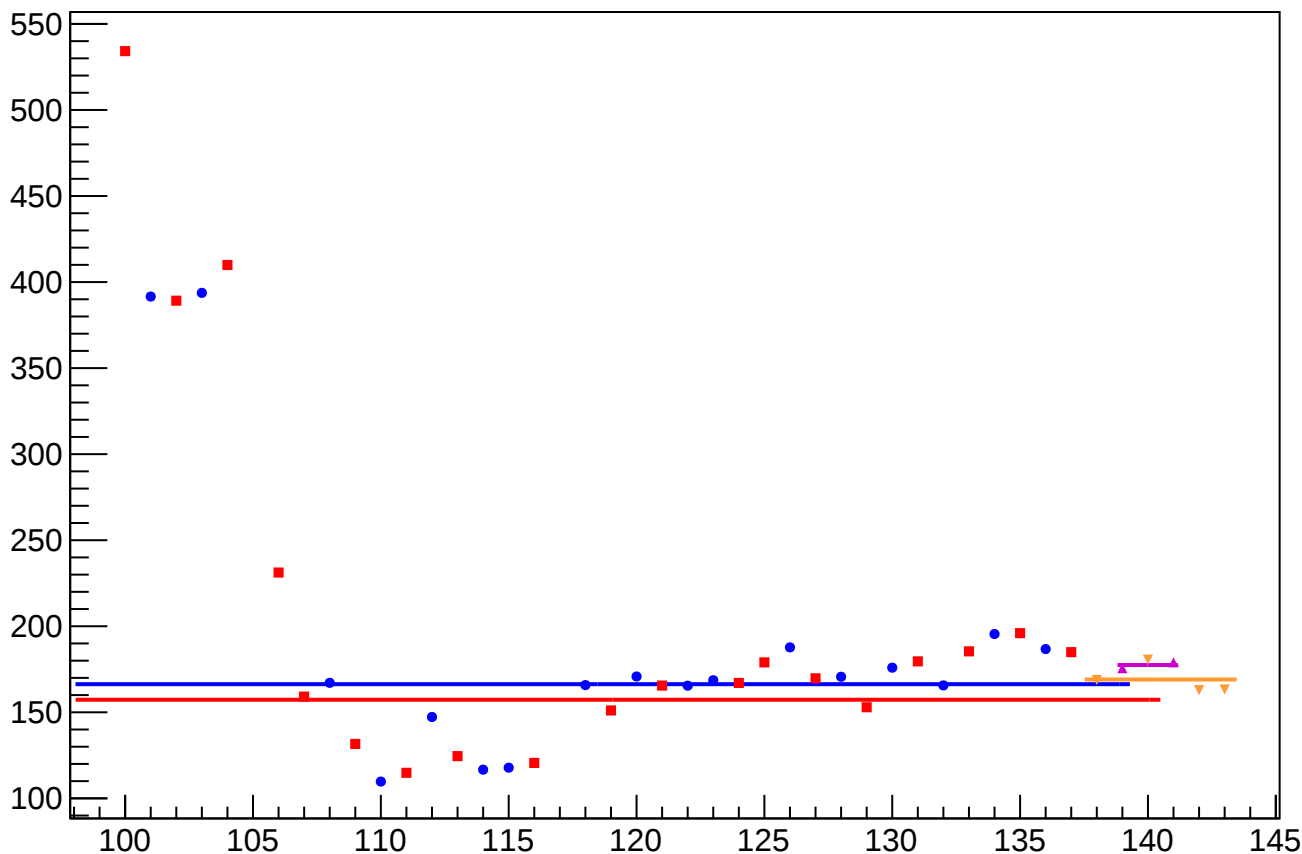
All: 167.532+/-0.030 χ^2/NDF : 2576204.8/41

yield_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 140416.183 $\pm$ 0.069	χ^2/NDF : 69956735.1/16	Left: 139359.052 $\pm$ 0.085	χ^2/NDF : 204541144.7/5
Left Out: 139460.865 $\pm$ 0.104	χ^2/NDF : 156448405.8/3	Right: 140329.953 $\pm$ 0.046	χ^2/NDF : 110927465.2/3
Right Out: 140256.621 $\pm$ 0.063	χ^2/NDF : 38038769.4/18	In: 140186.976 $\pm$ 0.062	χ^2/NDF : 176462437.6/18
Left In: 139163.347 $\pm$ 0.145	χ^2/NDF : 45314518.4/1	Out: 140043.397 $\pm$ 0.054	χ^2/NDF : 237002715.8/22
		All: 140105.487 $\pm$ 0.041	χ^2/NDF : 416516637

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 166.338 $\pm$ 0.048 χ^2 /NDF: 1081005.6/16

Left Out: 169.066 $\pm$ 0.074 χ^2 /NDF: 9236.1/3

Right Out: 157.302 $\pm$ 0.045 χ^2 /NDF: 1226210.5/18

Left In: 177.475 $\pm$ 0.102 χ^2 /NDF: 275.7/1

Left: 171.943 $\pm$ 0.060 χ^2 /NDF: 13950.0/5

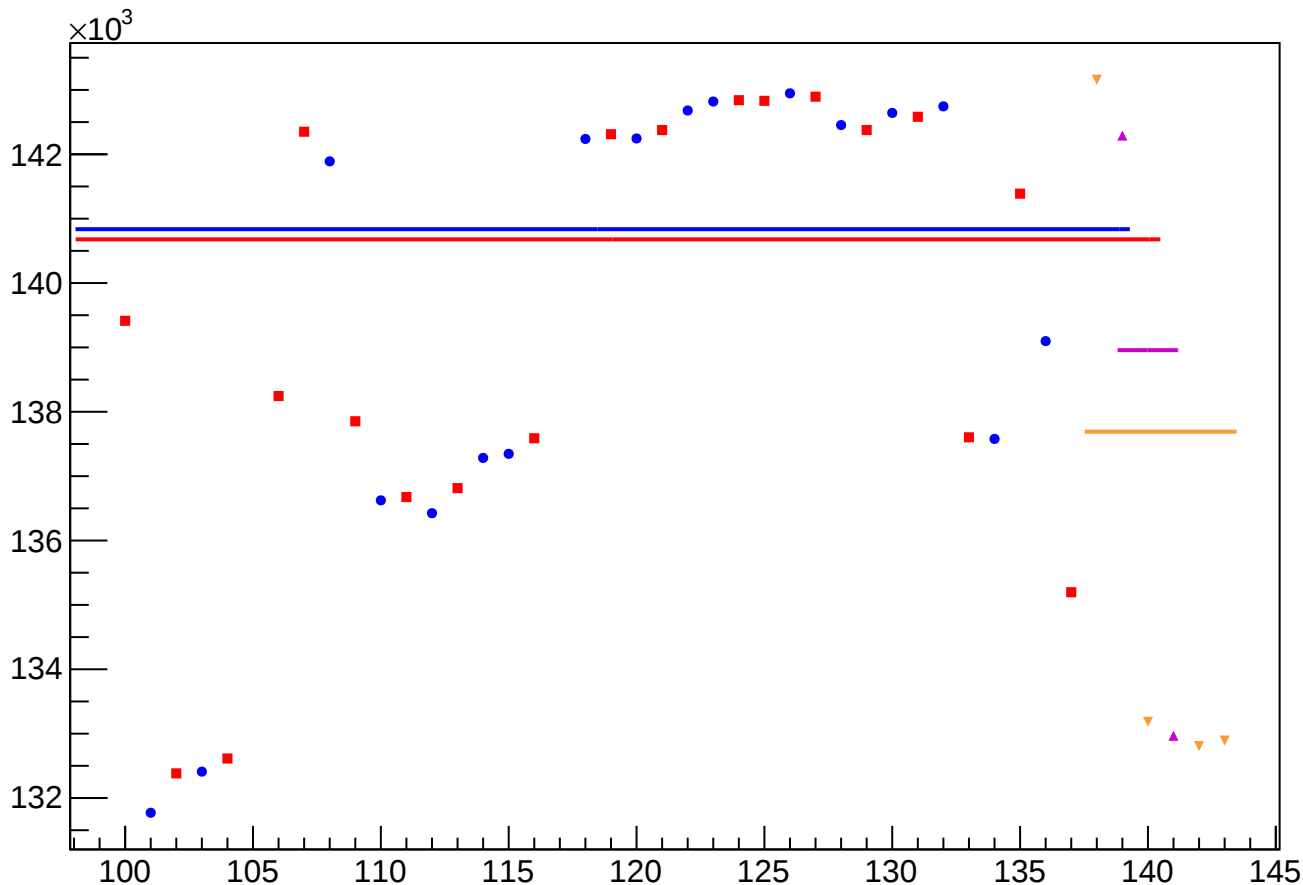
Right: 161.455 $\pm$ 0.033 χ^2 /NDF: 2326018.0/35

In: 168.375 $\pm$ 0.044 χ^2 /NDF: 1090952.1/18

Out: 160.454 $\pm$ 0.038 χ^2 /NDF: 1254028.8/22

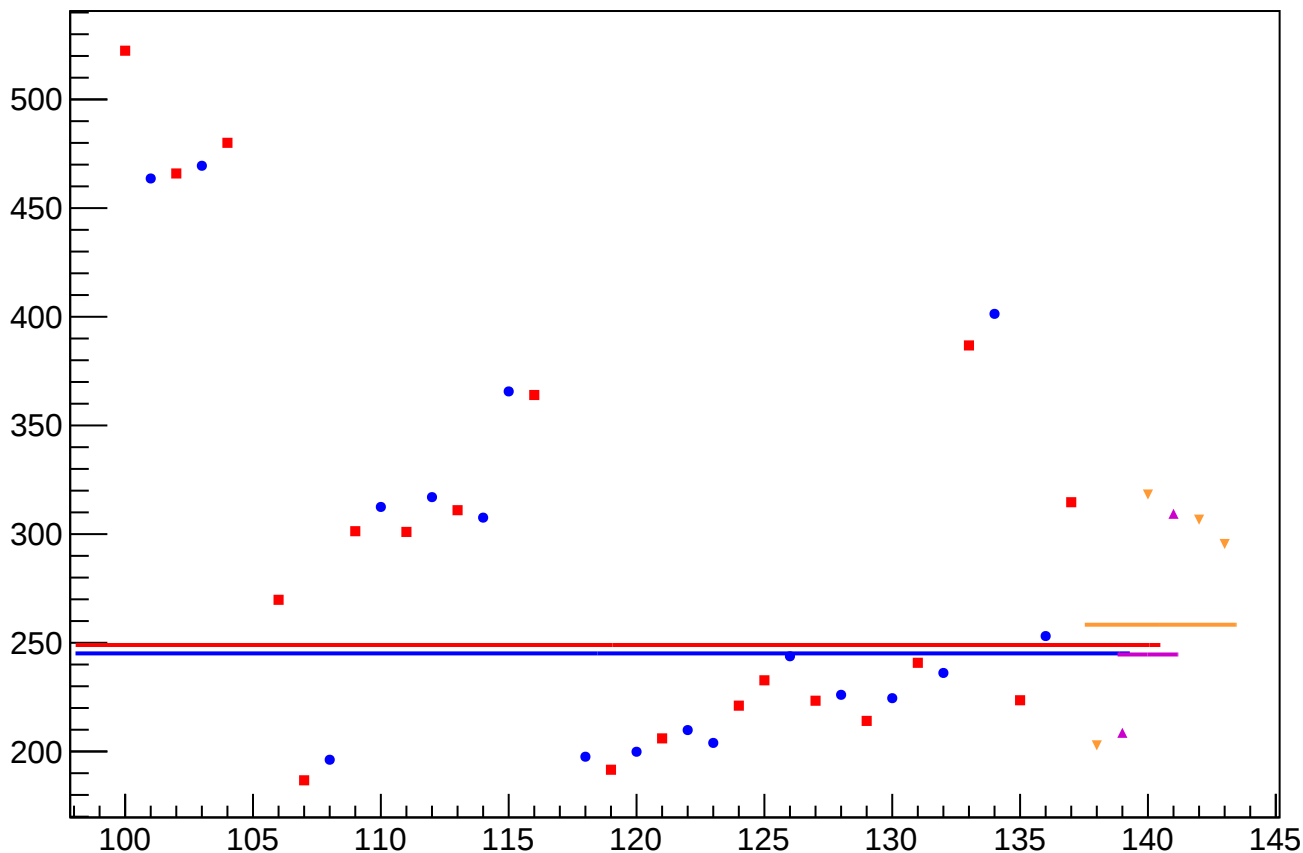
All: 163.880 $\pm$ 0.029 χ^2 /NDF: 2363553.7/41

yield_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: 140836.633 $\pm$ 0.100	χ^2 /NDF: 821253018.3/16	Left: 138184.642 $\pm$ 0.129	χ^2 /NDF: 1440788902.4/5
Left Out: 137690.892 $\pm$ 0.165	χ^2 /NDF: 948301296.6/3	Right: 140756.822 $\pm$ 0.070	χ^2 /NDF: 1663362290.3/3
Right Out: 140678.692 $\pm$ 0.099	χ^2 /NDF: 840853098.4/18	In: 140477.924 $\pm$ 0.090	χ^2 /NDF: 1357907114.7/18
Left In: 138957.408 $\pm$ 0.206	χ^2 /NDF: 469478459.6/1	Out: 139885.457 $\pm$ 0.085	χ^2 /NDF: 2030413049.0/2
		All: 140164.230 $\pm$ 0.062	χ^2 /NDF: 341121022.0/1

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 245.117 $\pm$ 0.071 χ^2 /NDF: 868050.1/16

Left Out: 258.320 $\pm$ 0.117 χ^2 /NDF:199338.0/3

Right Out: 248.984 $\pm$ 0.070 χ^2 /NDF: 1011335.0/18

Left In: 244.619 $\pm$ 0.146 χ^2 /NDF:109677.0/1

Left: 252.979 $\pm$ 0.091 χ^2 /NDF: 314400.5/5

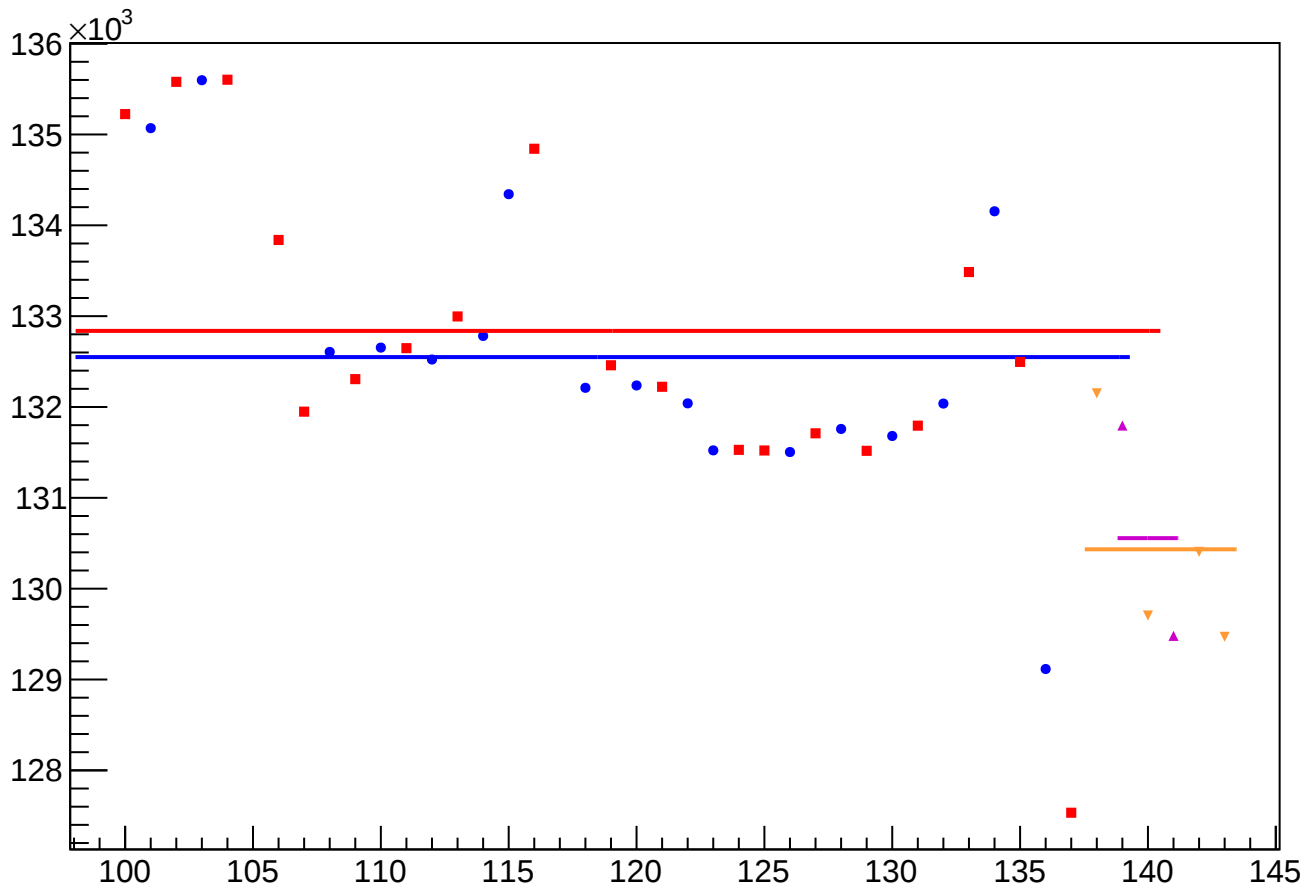
Right: 247.071 $\pm$ 0.050 χ^2 /NDF: 1880891.1/35

In: 245.022 $\pm$ 0.064 χ^2 /NDF:977736.5/18

Out: 251.462 $\pm$ 0.060 χ^2 /NDF:1215384.6/22

All: 248.432 $\pm$ 0.044 χ^2 /NDF: 2198531.3/41

yield_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: 132549.335 $\pm$ 0.120

χ^2 /NDF: 161038742.0/16

Left: 130476.283 $\pm$ 0.092

χ^2 /NDF: 152125784.7/5

Left Out: 130433.286 $\pm$ 0.113

χ^2 /NDF: 96032982.3/3

Right: 132709.457 $\pm$ 0.080

χ^2 /NDF: 313937187.2/3

Right Out: 132837.715 $\pm$ 0.107

χ^2 /NDF: 149672642.4/18

In: 131803.631 $\pm$ 0.095

χ^2 /NDF: 320549332.1/18

Out: 131705.105 $\pm$ 0.078

χ^2 /NDF: 483213714.1/22

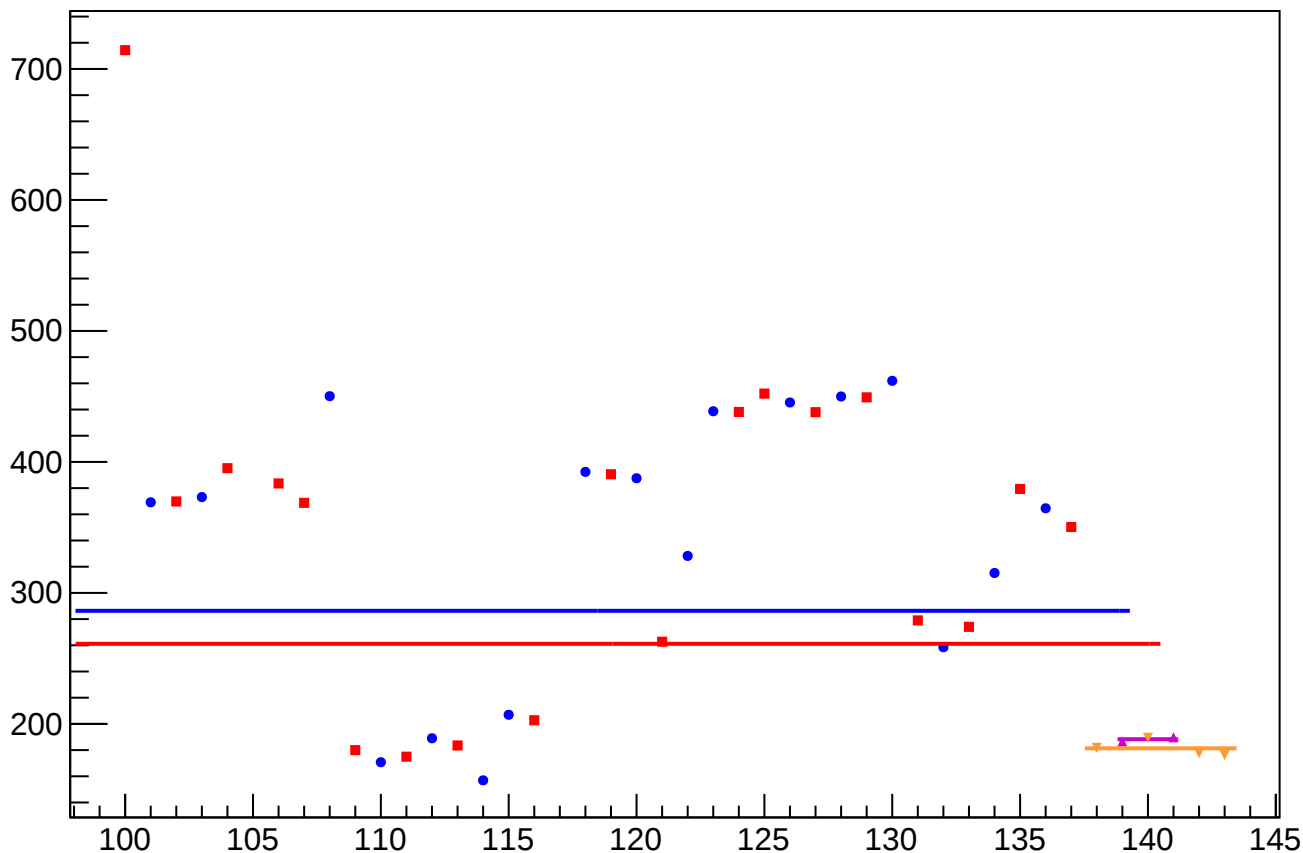
Left In: 130556.247 $\pm$ 0.155

χ^2 /NDF: 55682171.7/1

All: 131744.879 $\pm$ 0.060

χ^2 /NDF: 804409187.7/1

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 286.338 +/- 0.085 χ^2/NDF : 1514049.7/16

Left Out: 181.353 +/- 0.080 χ^2/NDF : 4163.2/3

Right Out: 261.146 +/- 0.076 χ^2/NDF : 1614381.3/18

Left In: 188.310 +/- 0.109 χ^2/NDF : 204.8/1

Left: 183.786 +/- 0.065 χ^2/NDF : 6997.1/5

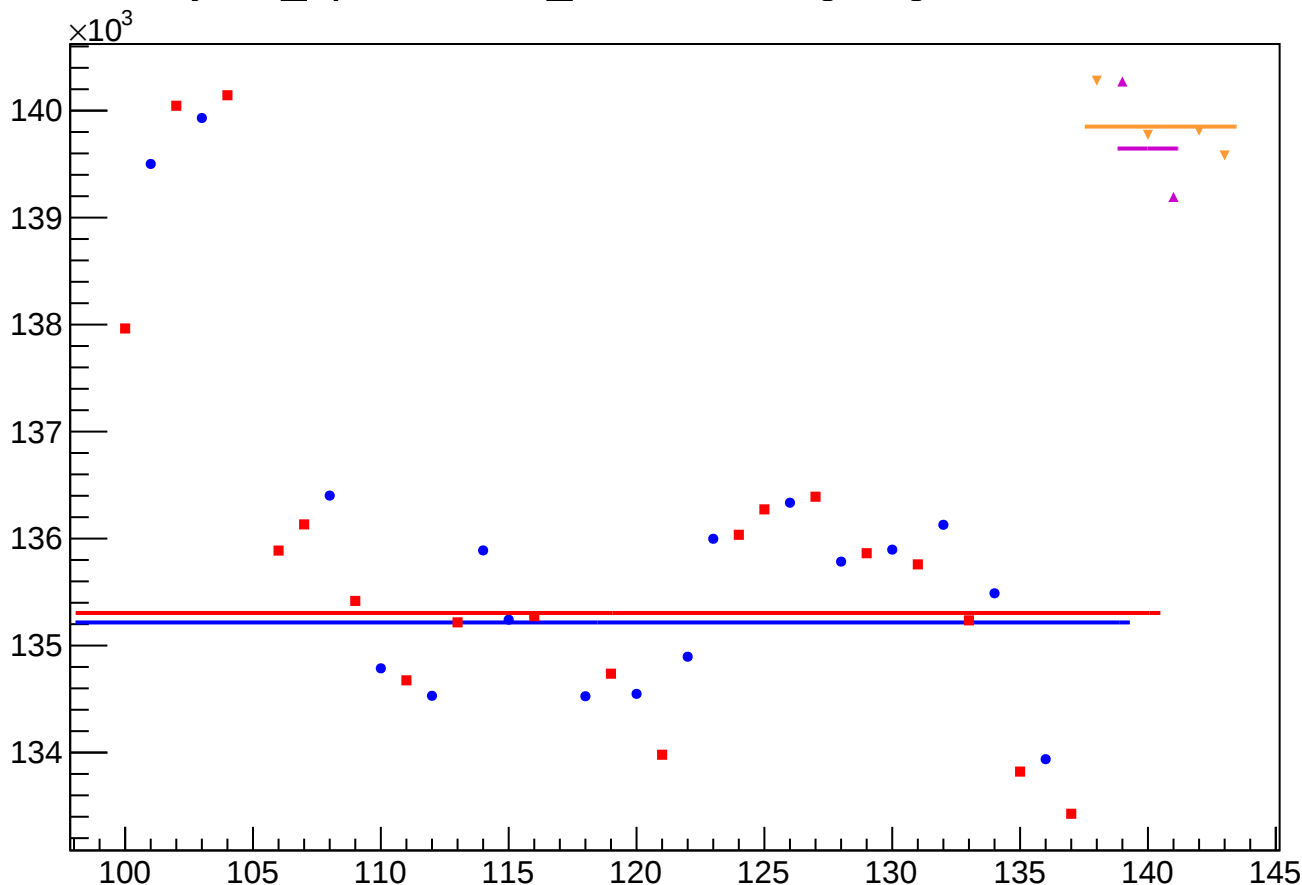
Right: 272.350 +/- 0.056 χ^2/NDF : 3177662.4/35

In: 249.661 +/- 0.067 χ^2/NDF : 2016584.7/18

Out: 223.559 +/- 0.055 χ^2/NDF : 2141684.8/22

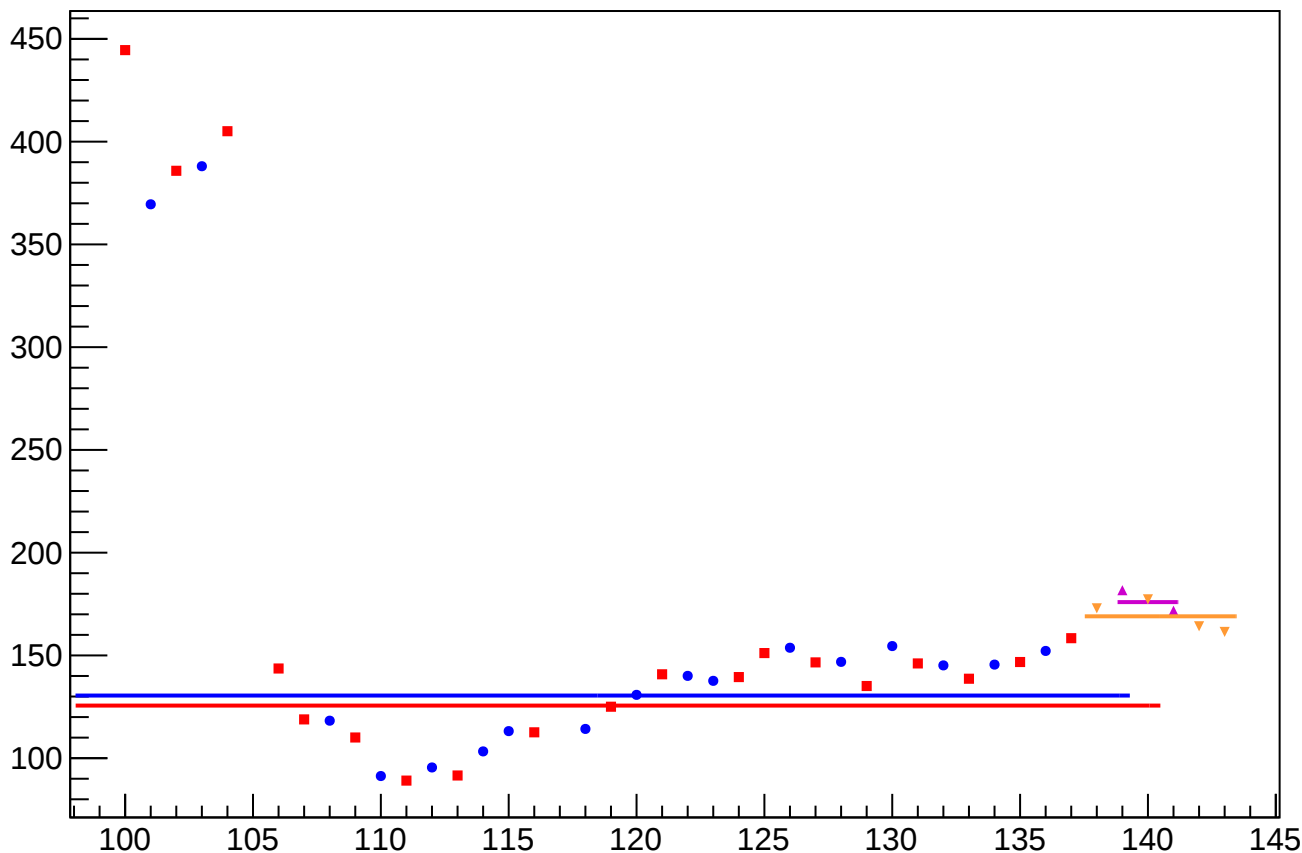
All: 234.096 +/- 0.043 χ^2/NDF : 4248965.8/41

yield_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 135216.054 $\pm$ 0.054	χ^2 /NDF: 371419425.6/16	Left: 139779.902 $\pm$ 0.084	χ^2 /NDF: 21867846.7/5
Left Out: 139850.701 $\pm$ 0.104	χ^2 /NDF: 6672706.8/3	Right: 135263.073 $\pm$ 0.037	χ^2 /NDF: 730268475.9/3
Right Out: 135304.602 $\pm$ 0.051	χ^2 /NDF: 357443836.5/18	In: 135776.320 $\pm$ 0.051	χ^2 /NDF: 1222911510.8/18
Left In: 139645.687 $\pm$ 0.143	χ^2 /NDF: 13850404.1/1	Out: 136191.721 $\pm$ 0.046	χ^2 /NDF: 1905196581.7/2
		All: 136005.337 $\pm$ 0.034	χ^2 /NDF: 316486681.7/1

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 130.478+/-0.038 χ^2/NDF : 1372969.9/16

Left Out: 169.031+/-0.073 χ^2/NDF : 8120.8/3

Right Out: 125.594+/-0.036 χ^2/NDF : 1434855.8/18

Left In: 175.947+/-0.101 χ^2/NDF : 2366.2/1

Left: 171.419+/-0.059 χ^2/NDF : 13547.5/5

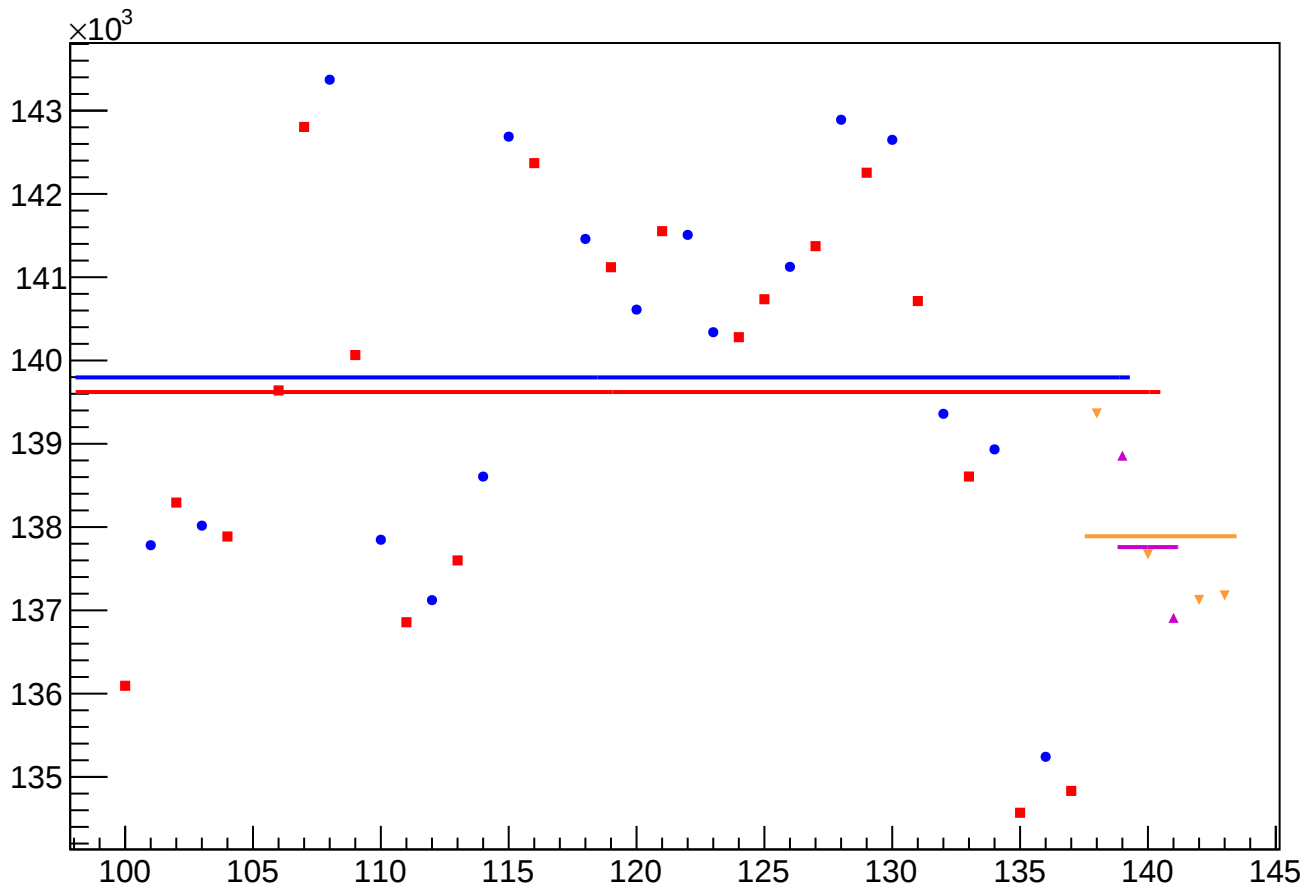
Right: 127.885+/-0.026 χ^2/NDF : 2816373.3/35

In: 136.229+/-0.036 χ^2/NDF : 1551855.7/18

Out: 134.071+/-0.032 χ^2/NDF : 1724357.3/22

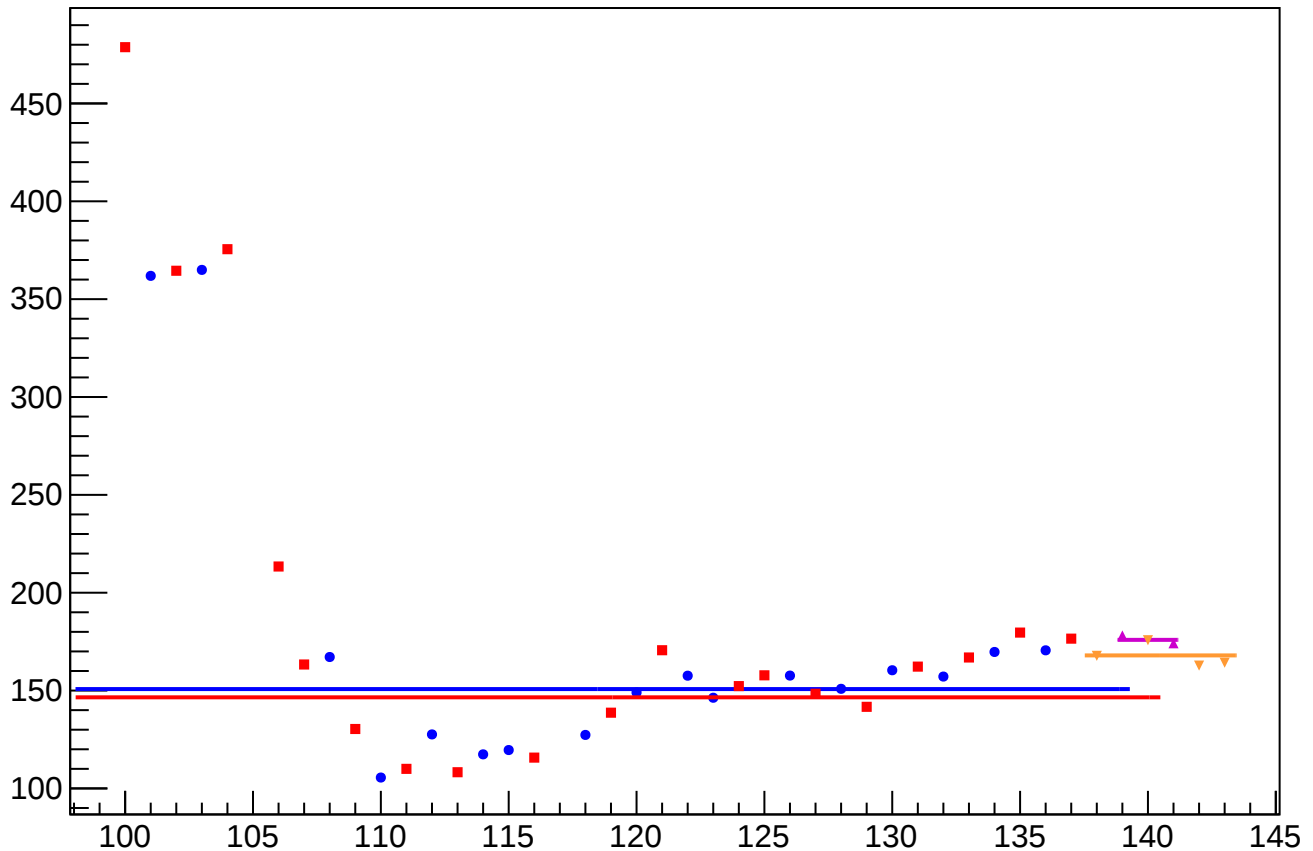
All: 135.039+/-0.024 χ^2/NDF : 3278197.3/41

yield_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 139796.979 $\pm$ 0.062	χ^2/NDF : 1668151198.8/16	Left: 137844.970 $\pm$ 0.084	χ^2/NDF : 125056170.1/5
Left Out: 137889.528 $\pm$ 0.104	χ^2/NDF : 79032764.5/3	Right: 139704.736 $\pm$ 0.043	χ^2/NDF : 3176880475.6/1
Right Out: 139621.197 $\pm$ 0.059	χ^2/NDF : 1504518858.4/18	In: 139474.871 $\pm$ 0.057	χ^2/NDF : 1884032515.8/18
Left In: 137759.737 $\pm$ 0.143	χ^2/NDF : 45483923.9/1	Out: 139196.108 $\pm$ 0.051	χ^2/NDF : 1794609018.8/2
		All: 139321.000 $\pm$ 0.038	χ^2/NDF : 369187139.1/1

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 150.766 $\pm$ 0.044 χ^2 /NDF: 1050110.5/16

Left Out: 167.968 $\pm$ 0.073 χ^2 /NDF:4596.4/3

Right Out: 146.546 $\pm$ 0.042 χ^2 /NDF: 1200776.5/18

Left In: 175.912 $\pm$ 0.101 χ^2 /NDF:386.5/1

Left: 170.695 $\pm$ 0.059 χ^2 /NDF: 9024.5/5

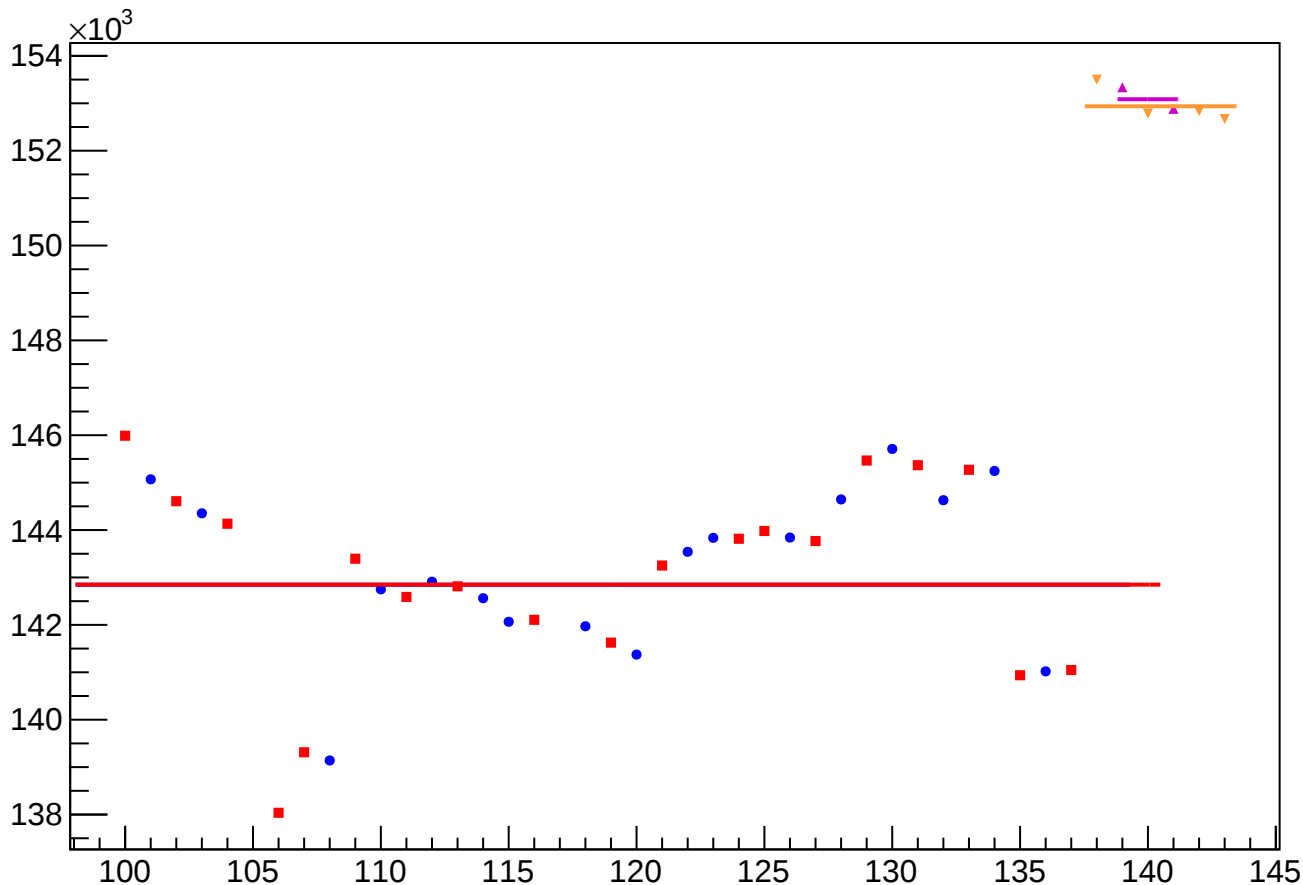
Right: 148.551 $\pm$ 0.030 χ^2 /NDF: 2255741.1/35

In: 154.742 $\pm$ 0.040 χ^2 /NDF:1102416.4/18

Out: 151.804 $\pm$ 0.036 χ^2 /NDF:1269972.4/22

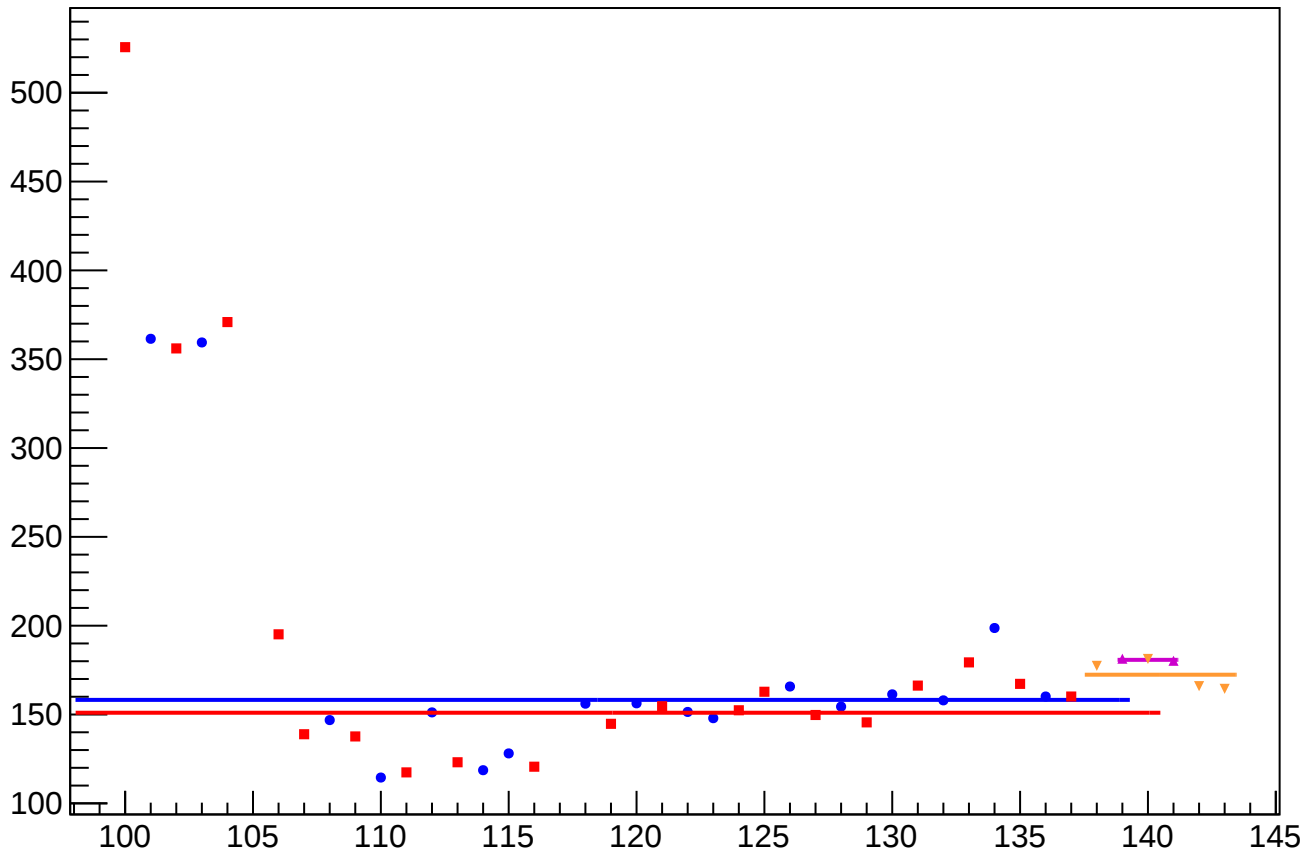
All: 153.120 $\pm$ 0.027 χ^2 /NDF: 2375326.9/41

yield_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 142846.769 $\pm$ 0.065	χ^2 /NDF: 735751313.8/16	Left: 152988.550 $\pm$ 0.086	χ^2 /NDF: 12727853.0/5
Left Out: 152937.472 $\pm$ 0.107	χ^2 /NDF: 9715868.0/3	Right: 142847.777 $\pm$ 0.044	χ^2 /NDF: 1585493619.2/1
Right Out: 142848.653 $\pm$ 0.060	χ^2 /NDF: 849741852.9/18	In: 144507.164 $\pm$ 0.059	χ^2 /NDF: 4788794704.0/18
Left In: 153085.845 $\pm$ 0.147	χ^2 /NDF: 2346260.7/1	Out: 145297.916 $\pm$ 0.053	χ^2 /NDF: 7629838303.5/2
		All: 144949.929 $\pm$ 0.039	χ^2 /NDF: 125181992.0/1

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 158.235+/-0.046 χ^2/NDF : 883619.5/16

Left Out: 172.407+/-0.075 χ^2/NDF : 9465.9/3

Right Out: 150.999+/-0.043 χ^2/NDF : 1000583.6/18

Left In: 180.773+/-0.104 χ^2/NDF : 30.9/1

Left: 175.287+/-0.061 χ^2/NDF : 13729.7/5

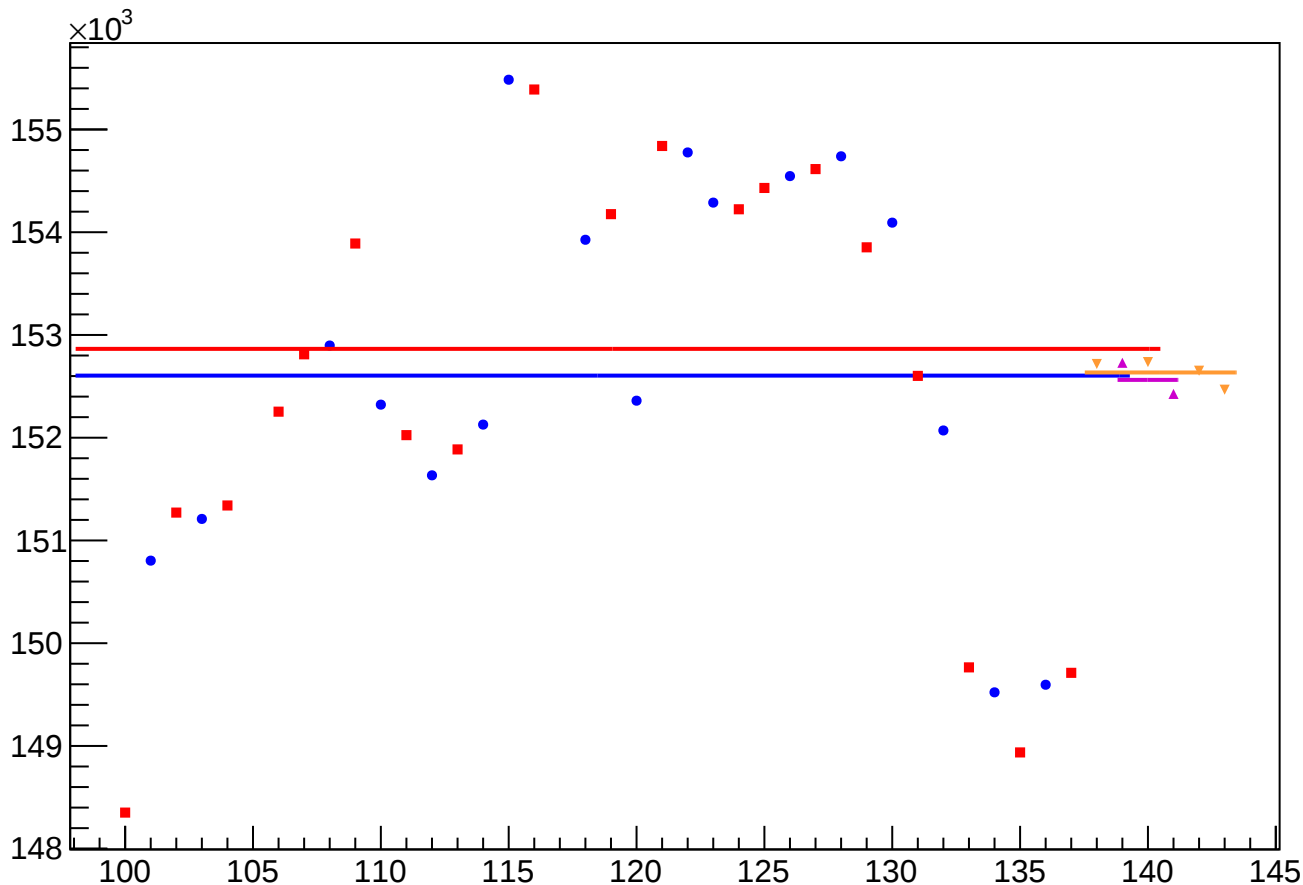
Right: 154.365+/-0.031 χ^2/NDF : 1897545.9/35

In: 161.890+/-0.042 χ^2/NDF : 922904.6/18

Out: 156.197+/-0.037 χ^2/NDF : 1071017.9/22

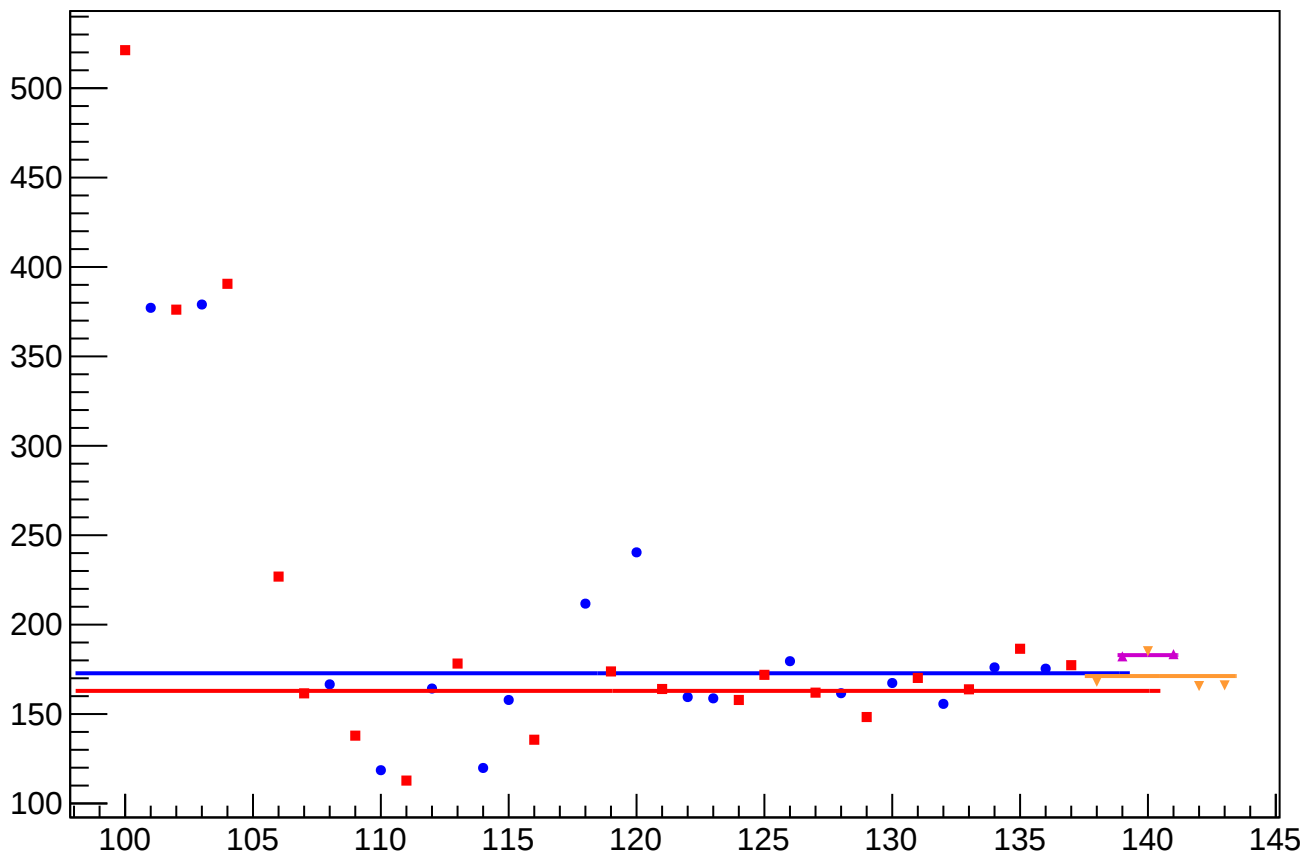
All: 158.702+/-0.028 χ^2/NDF : 2004244.0/41

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152604.406 $\pm$ 0.072	χ^2 /NDF: 616818062.6/16	Left: 152610.780 $\pm$ 0.086	χ^2 /NDF: 2352892.2/5
Left Out: 152634.937 $\pm$ 0.106	χ^2 /NDF: 1170732.4/3	Right: 152745.876 $\pm$ 0.049	χ^2 /NDF: 1342324437.7
Right Out: 152864.722 $\pm$ 0.066	χ^2 /NDF: 718455566.6/18	In: 152596.453 $\pm$ 0.065	χ^2 /NDF: 617907043.4/18
Left In: 152562.695 $\pm$ 0.149	χ^2 /NDF: 1025465.4/1	Out: 152799.779 $\pm$ 0.056	χ^2 /NDF: 723027308.7/22
		All: 152712.996 $\pm$ 0.042	χ^2 /NDF: 134654009

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.803 $\pm$ 0.051 χ^2 /NDF: 945652.6/16

Left Out: 171.245 $\pm$ 0.075 χ^2 /NDF:11499.5/3

Right Out: 162.951 $\pm$ 0.047 χ^2 /NDF: 1032146.9/18

Left In: 182.945 $\pm$ 0.105 χ^2 /NDF:33.9/1

Left: 175.158 $\pm$ 0.061 χ^2 /NDF: 19753.0/5

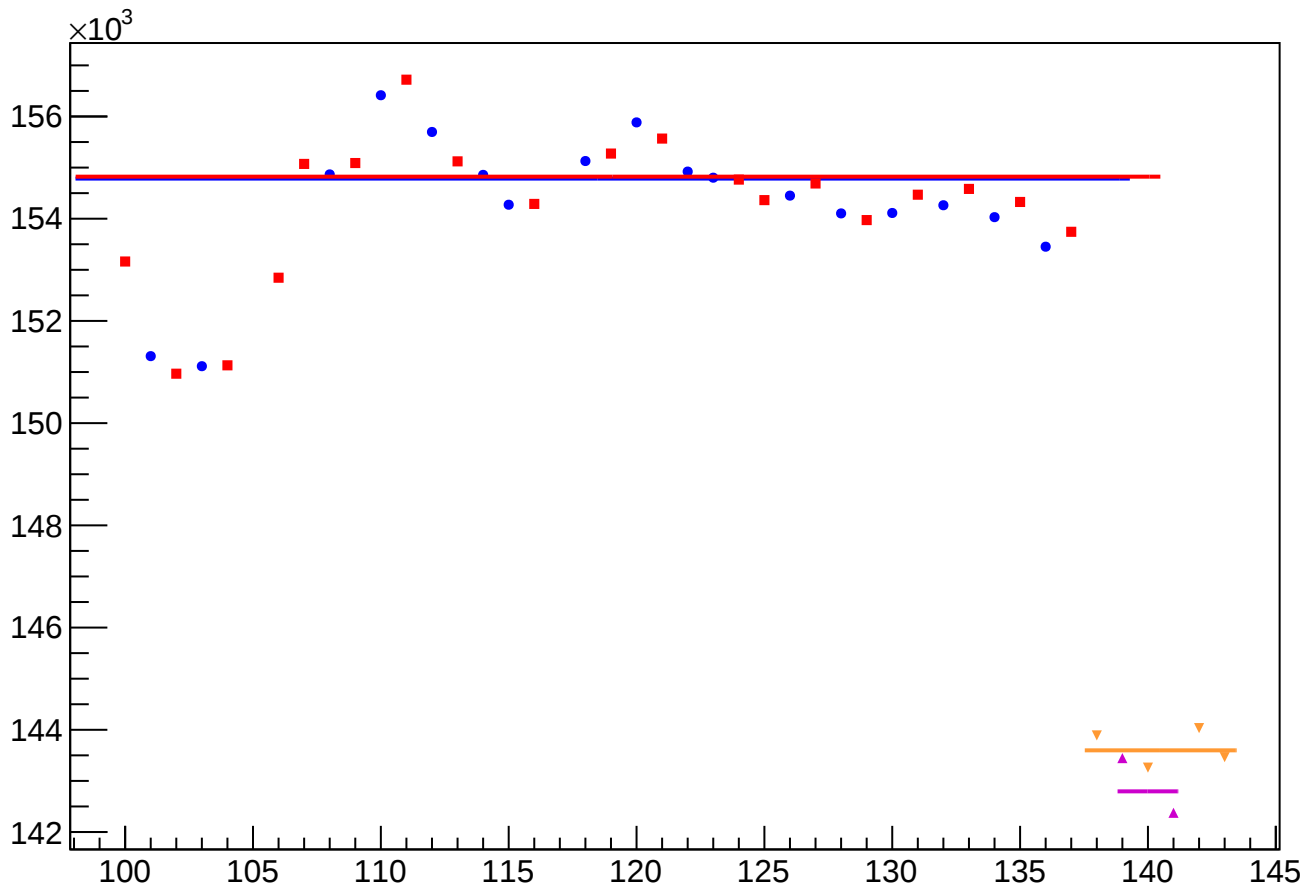
Right: 167.449 $\pm$ 0.035 χ^2 /NDF: 1997996.2/35

In: 174.737 $\pm$ 0.046 χ^2 /NDF:953196.9/18

Out: 165.295 $\pm$ 0.040 χ^2 /NDF:1052508.2/22

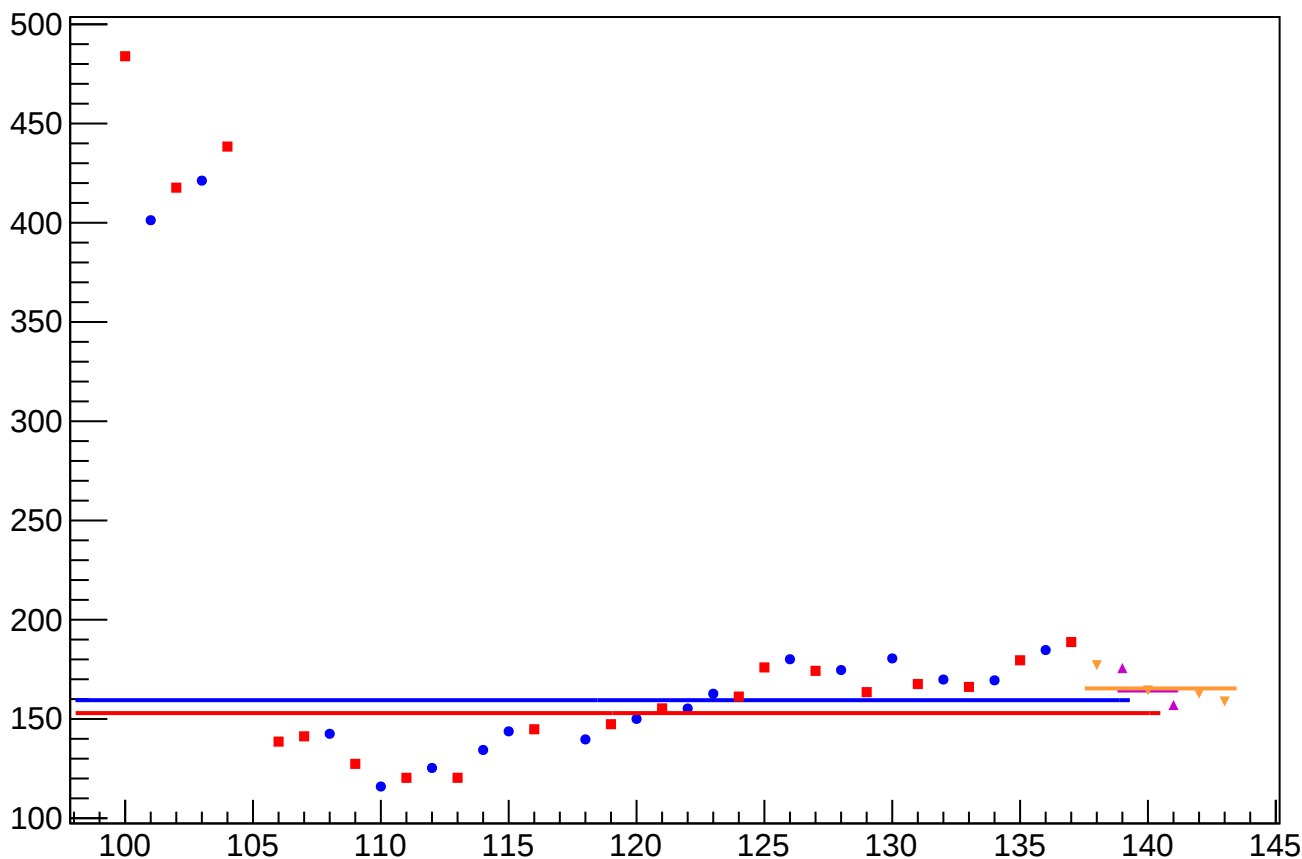
All: 169.325 $\pm$ 0.030 χ^2 /NDF: 2029879.0/41

yield_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 154784.970 $\pm$ 0.065	χ^2 /NDF: 265445259.7/16	Left: 143305.024 $\pm$ 0.081	χ^2 /NDF: 46834119.3/5
Left Out: 143598.054 $\pm$ 0.101	χ^2 /NDF: 8741947.0/3	Right: 154805.060 $\pm$ 0.045	χ^2 /NDF: 559405704.7/3
Right Out: 154822.442 $\pm$ 0.061	χ^2 /NDF: 293784821.8/18	In: 152467.737 $\pm$ 0.059	χ^2 /NDF: 6761607628.2/18
Left In: 142795.598 $\pm$ 0.134	χ^2 /NDF: 15245703.5/1	Out: 151849.157 $\pm$ 0.052	χ^2 /NDF: 9300816829.2/2
		All: 152121.848 $\pm$ 0.039	χ^2 /NDF: 16124294.7/1

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 159.460 $\pm$ 0.046 χ^2 /NDF: 1131650.0/16

Left Out: 165.385 $\pm$ 0.072 χ^2 /NDF: 9156.4/3

Right Out: 152.961 $\pm$ 0.043 χ^2 /NDF: 1169783.0/18

Left In: 164.328 $\pm$ 0.095 χ^2 /NDF: 9200.9/1

Left: 164.999 $\pm$ 0.057 χ^2 /NDF: 18436.6/5

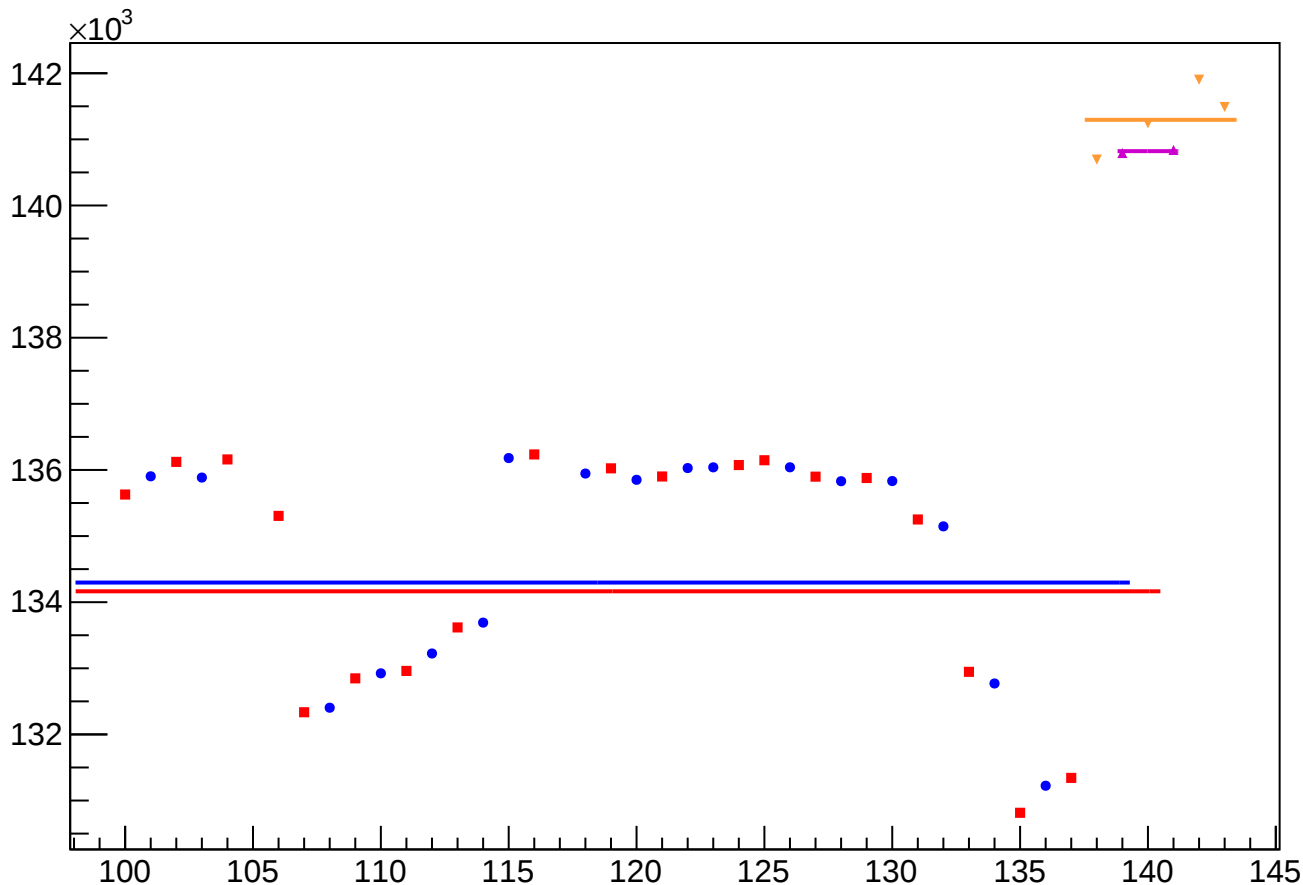
Right: 155.976 $\pm$ 0.032 χ^2 /NDF: 2311995.9/35

In: 160.401 $\pm$ 0.042 χ^2 /NDF: 1142988.3/18

Out: 156.252 $\pm$ 0.037 χ^2 /NDF: 1200988.3/22

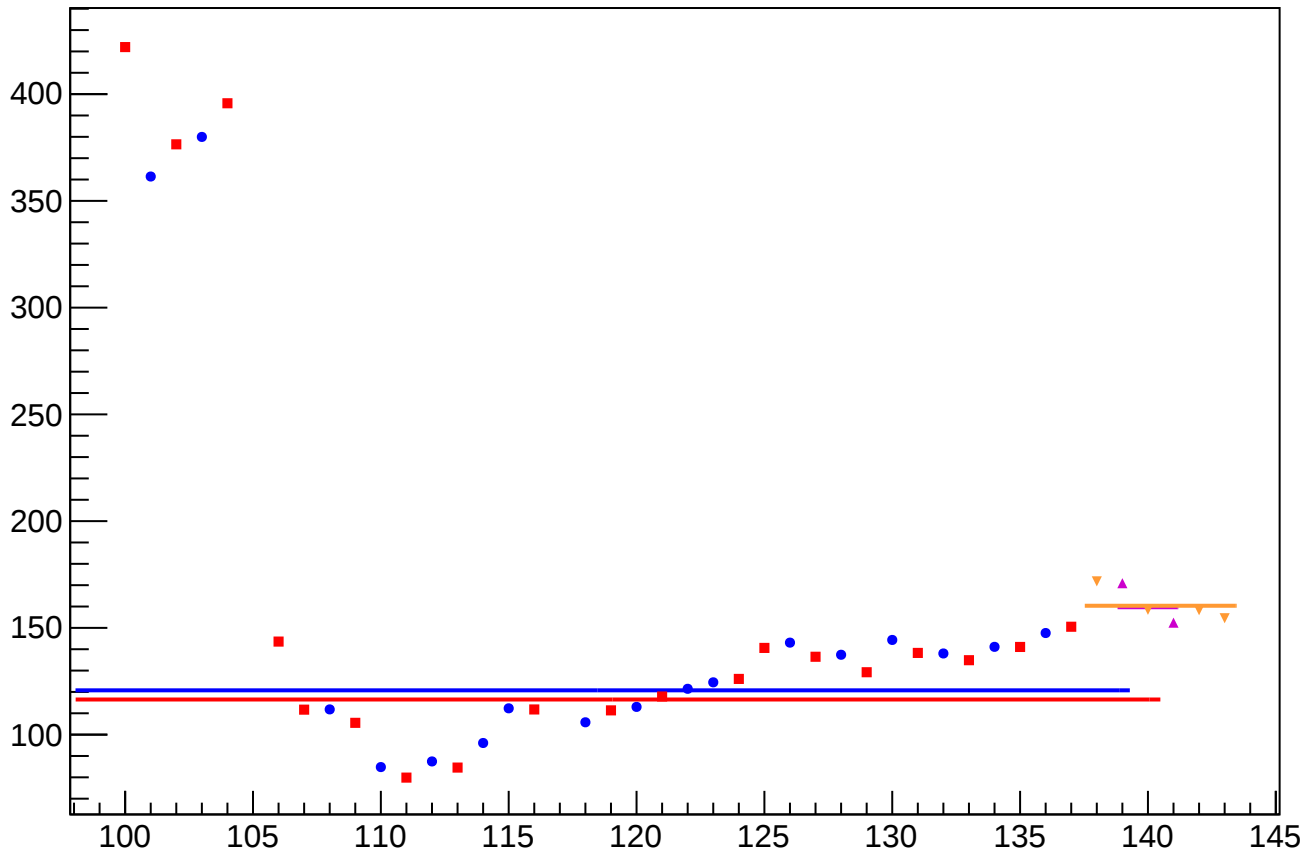
All: 158.081 $\pm$ 0.028 χ^2 /NDF: 2349541.4/41

yield_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 134297.022 $\pm$ 0.050	χ^2 /NDF: 1147567257.7/16	Left: 141123.149 $\pm$ 0.078	χ^2 /NDF: 24713706.6/5
Left Out: 141295.808 $\pm$ 0.098	χ^2 /NDF: 16238551.2/3	Right: 134226.757 $\pm$ 0.035	χ^2 /NDF: 2361744877.8/
Right Out: 134164.594 $\pm$ 0.047	χ^2 /NDF: 1210514088.0/18	In: 135149.053 $\pm$ 0.047	χ^2 /NDF: 3336394805.9/18
Left In: 140821.840 $\pm$ 0.130	χ^2 /NDF: 30114.1/1	Out: 135506.942 $\pm$ 0.043	χ^2 /NDF: 5486836975.3/2
		All: 135345.047 $\pm$ 0.032	χ^2 /NDF: 885499629

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 120.752 $\pm$ 0.036 χ^2 /NDF: 1465247.5/16

Left Out: 160.365 $\pm$ 0.070 χ^2 /NDF:8882.0/3

Right Out: 116.453 $\pm$ 0.034 χ^2 /NDF: 1535612.1/18

Left In: 159.670 $\pm$ 0.092 χ^2 /NDF:9624.6/1

Left: 160.112 $\pm$ 0.055 χ^2 /NDF: 18542.9/5

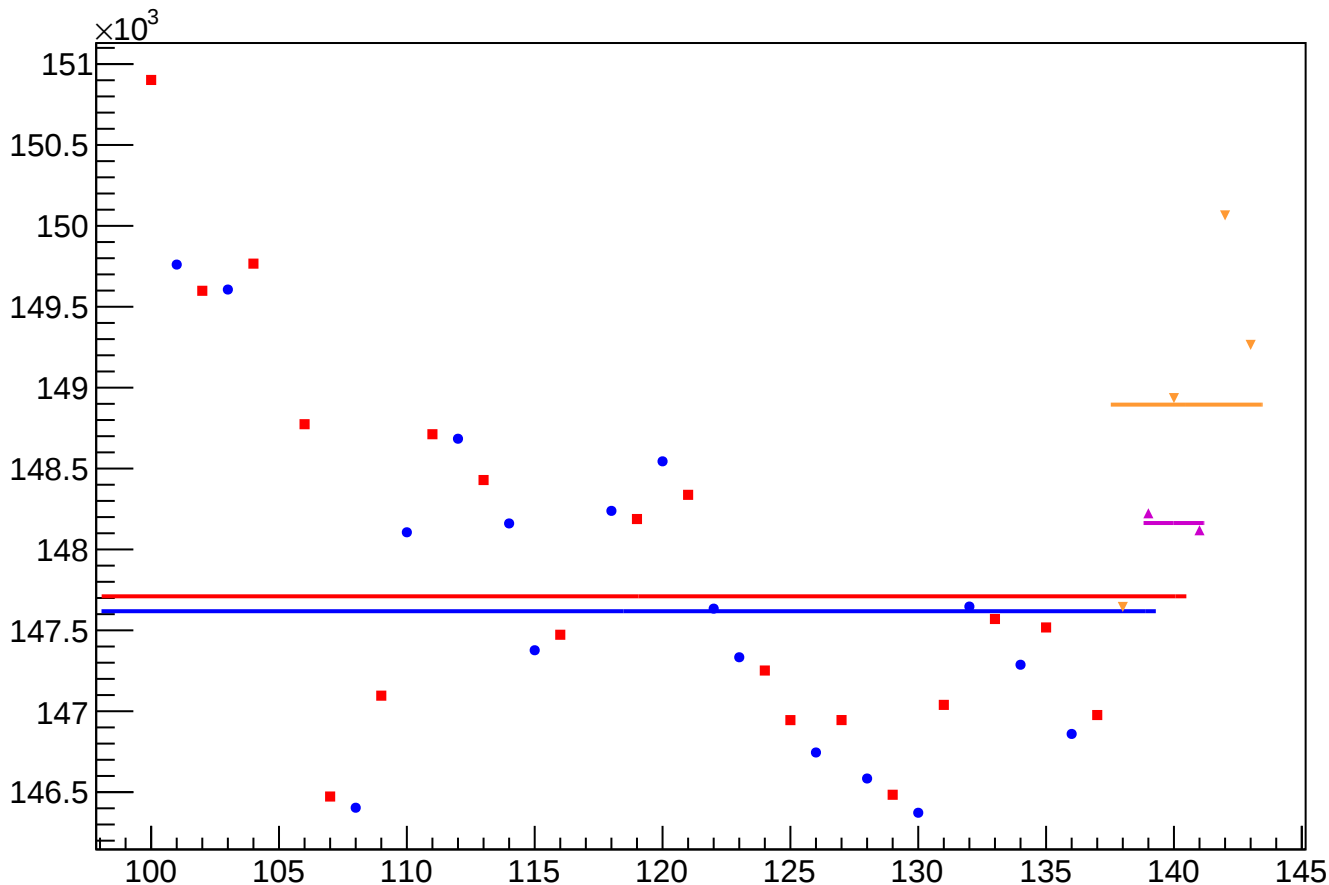
Right: 118.471 $\pm$ 0.024 χ^2 /NDF: 3008583.2/35

In: 125.834 $\pm$ 0.033 χ^2 /NDF:1630609.5/18

Out: 124.718 $\pm$ 0.030 χ^2 /NDF:1867559.7/22

All: 125.223 $\pm$ 0.022 χ^2 /NDF: 3498786.6/41

yield_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 147618.243 $\pm$ 0.063

χ^2/NDF : 198581777.1/16

Left Out: 148895.125 $\pm$ 0.118

χ^2/NDF : 47225101.5/3

Right Out: 147710.334 $\pm$ 0.058

χ^2/NDF : 203714451.2/18

Left In: 148163.322 $\pm$ 0.162

χ^2/NDF : 103172.1/1

Left: 148639.694 $\pm$ 0.095

χ^2/NDF : 60692112.7/5

Right: 147667.515 $\pm$ 0.043

χ^2/NDF : 403454683.7/3

In: 147689.403 $\pm$ 0.058

χ^2/NDF : 208587710.4/18

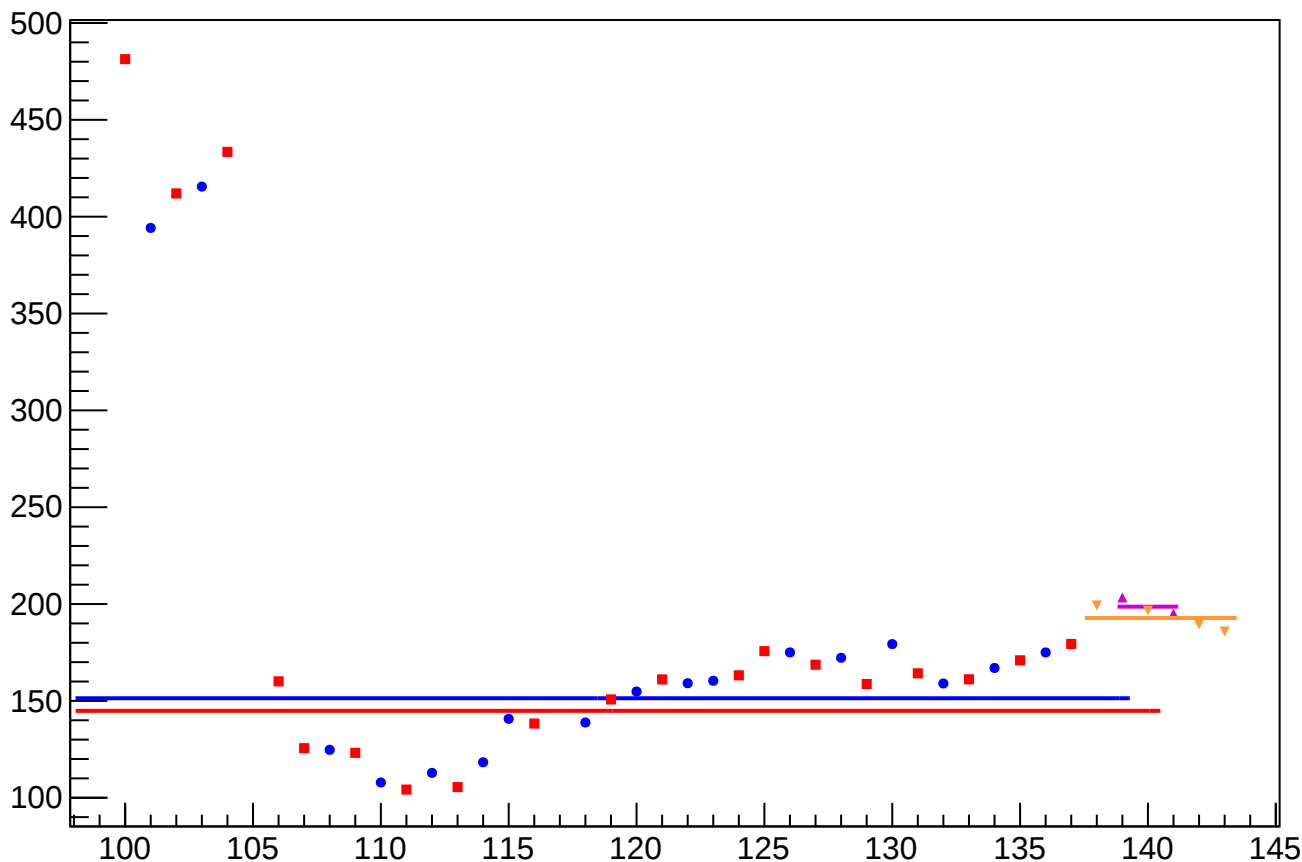
Out: 147942.223 $\pm$ 0.052

χ^2/NDF : 331654319.8/22

All: 147829.557 $\pm$ 0.039

χ^2/NDF : 550646745

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 151.363+/-0.044 χ^2/NDF : 1259788.8/16

Left Out: 192.795+/-0.084 χ^2/NDF :4499.3/3

Right Out: 144.870+/-0.041 χ^2/NDF : 1371292.3/18

Left In: 198.650+/-0.114 χ^2/NDF :1300.4/1

Left: 194.839+/-0.067 χ^2/NDF : 7510.4/5

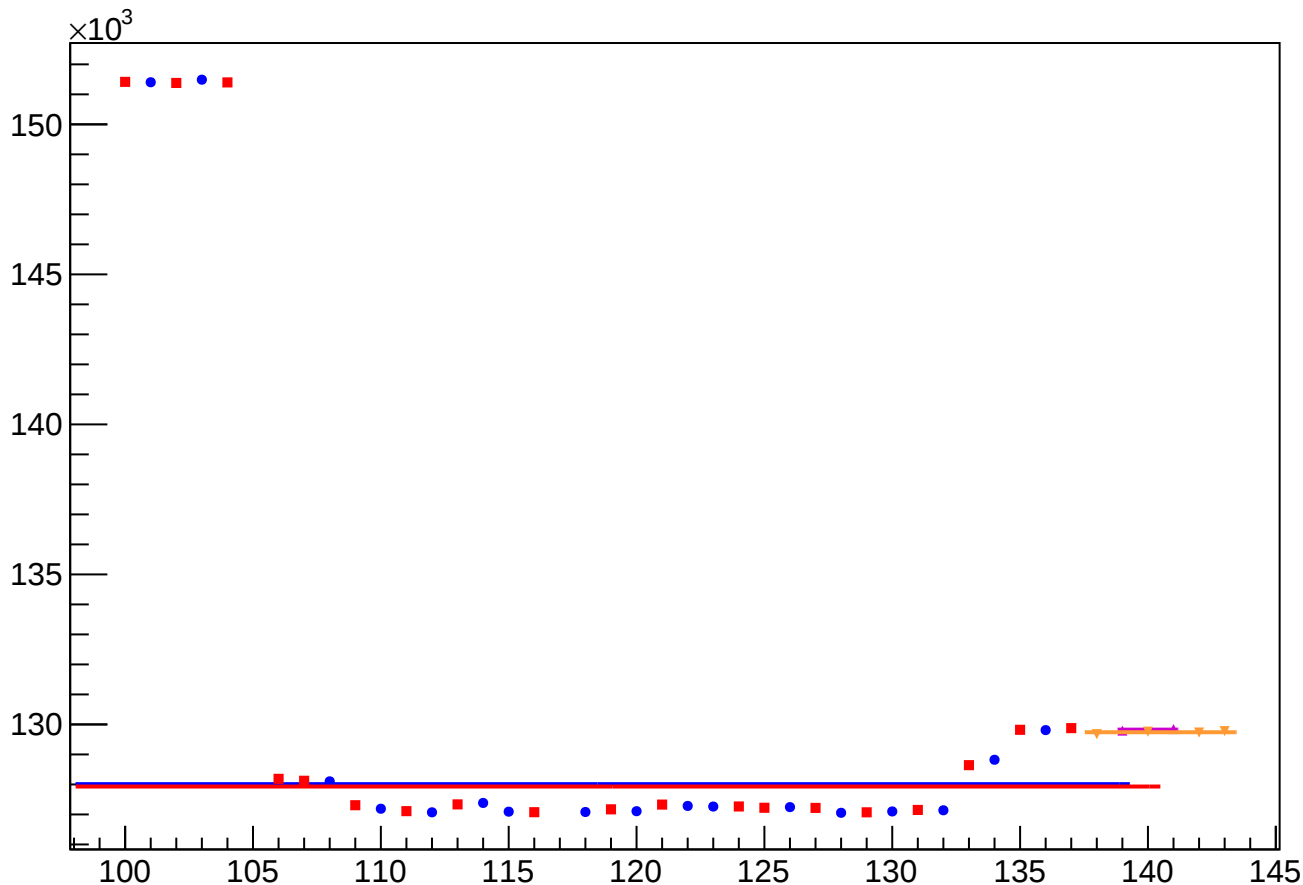
Right: 147.889+/-0.030 χ^2/NDF : 2642598.4/35

In: 157.536+/-0.041 χ^2/NDF :1410147.0/18

Out: 154.250+/-0.037 χ^2/NDF :1639931.6/22

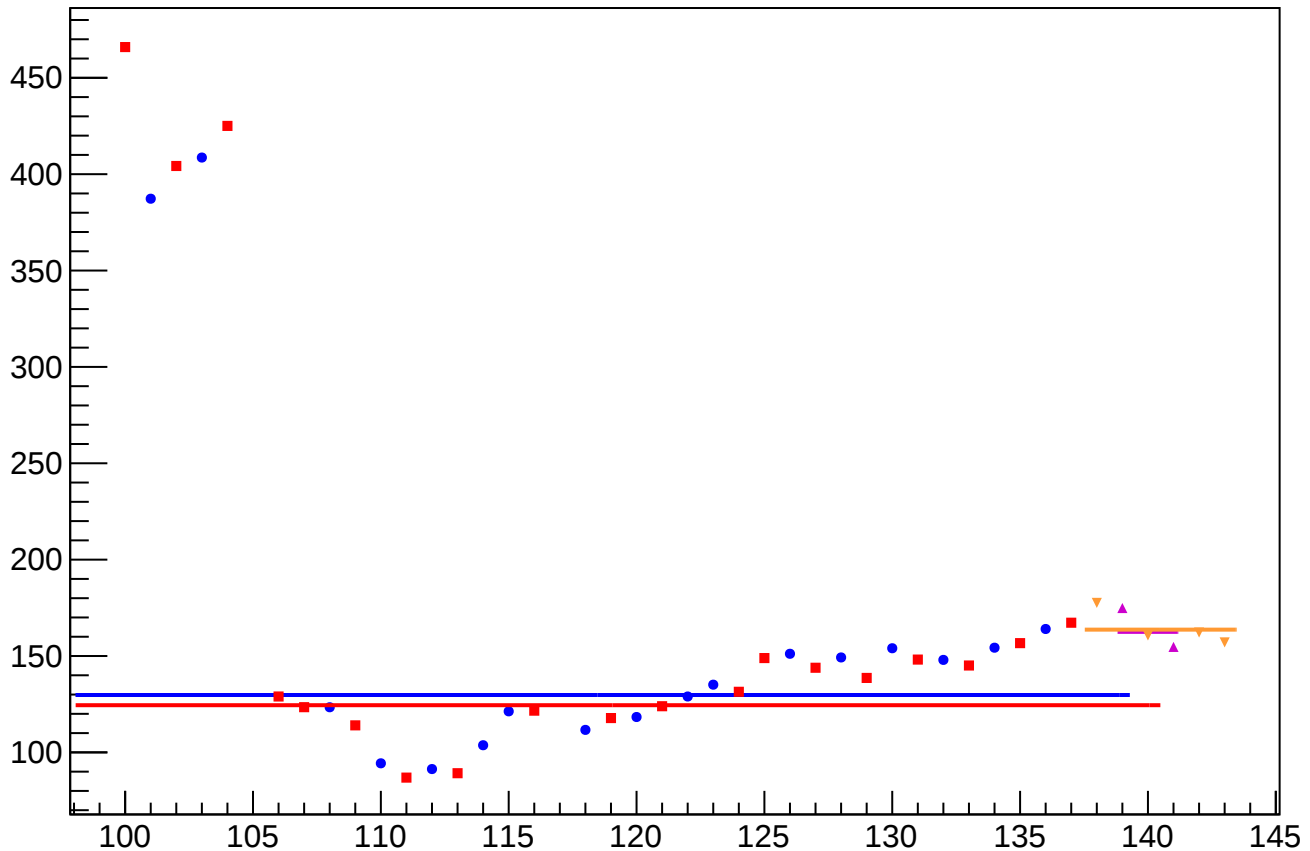
All: 155.714+/-0.028 χ^2/NDF : 3053594.3/41

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128009.906 $\pm$ 0.054	χ^2/NDF : 4319099803.8/16	Left: 129771.881 $\pm$ 0.080	χ^2/NDF : 457713.4/5
Left Out: 129740.187 $\pm$ 0.100	χ^2/NDF : 149824.9/3	Right: 127967.286 $\pm$ 0.037	χ^2/NDF : 8088326902.9/16
Right Out: 127930.465 $\pm$ 0.050	χ^2/NDF : 3768075163.1/18	In: 128271.055 $\pm$ 0.050	χ^2/NDF : 4480572639.3/18
Left In: 129826.848 $\pm$ 0.132	χ^2/NDF : 35846.0/1	Out: 128294.149 $\pm$ 0.045	χ^2/NDF : 4027413246.3/2
		All: 128283.841 $\pm$ 0.034	χ^2/NDF : 850810323.1/16

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.769+/-0.038 χ^2/NDF : 1483741.9/16

Left Out: 163.685+/-0.071 χ^2/NDF :12086.4/3

Right Out: 124.477+/-0.036 χ^2/NDF : 1526276.6/18

Left In: 162.531+/-0.094 χ^2/NDF :11024.8/1

Left: 163.263+/-0.057 χ^2/NDF : 23207.7/5

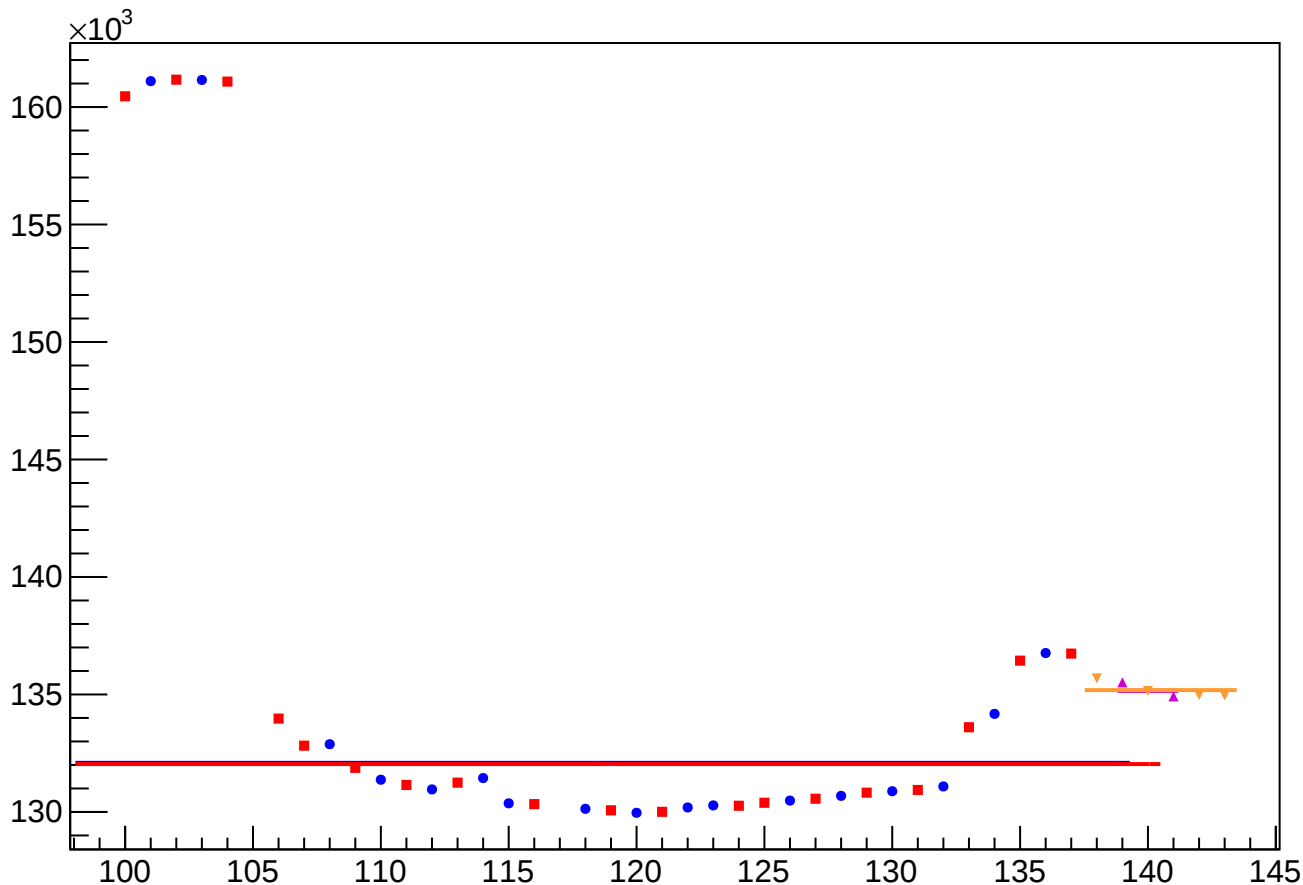
Right: 126.930+/-0.026 χ^2/NDF : 3020240.6/35

In: 134.478+/-0.035 χ^2/NDF :1599741.3/18

Out: 132.357+/-0.032 χ^2/NDF :1781671.0/22

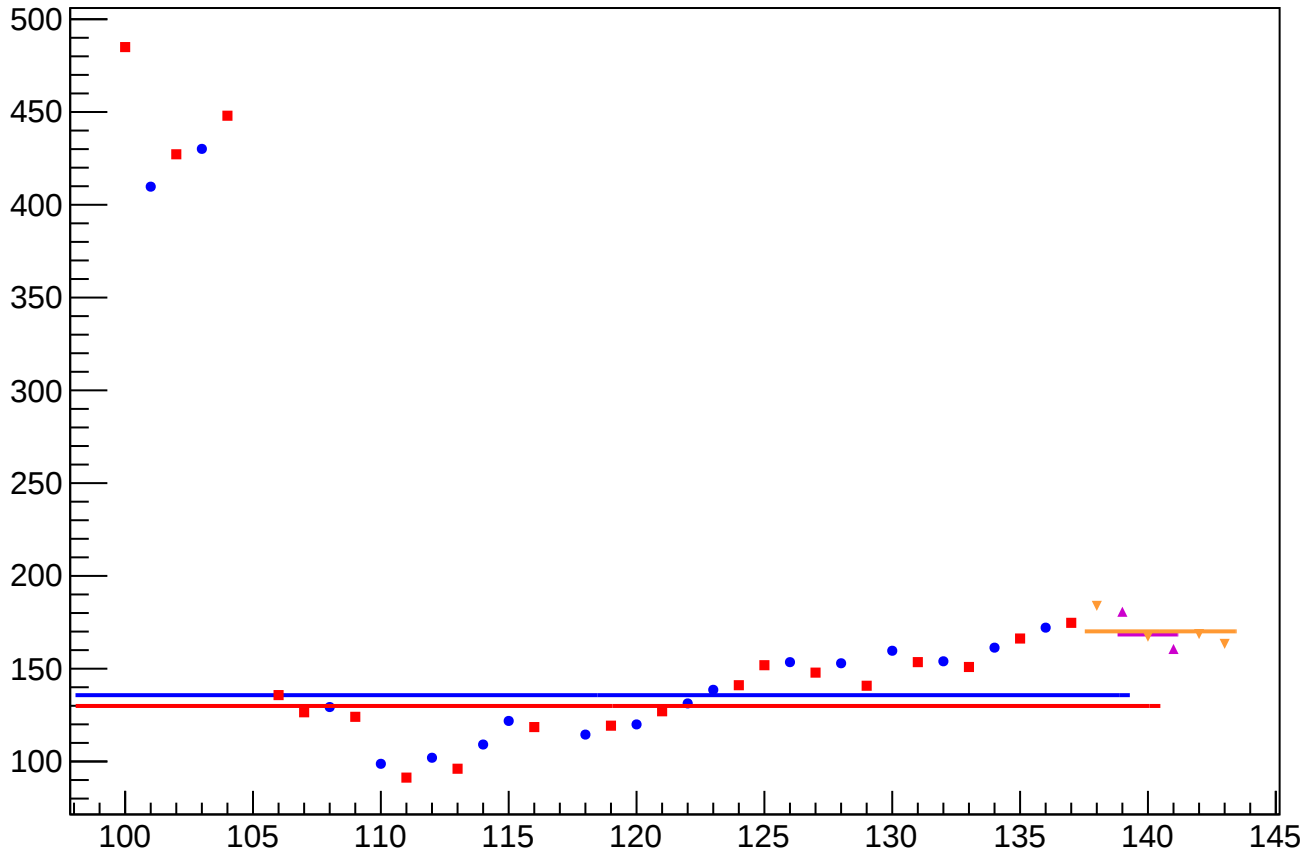
All: 133.303+/-0.024 χ^2/NDF : 3383392.0/41

yield_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 132090.159 $\pm$ 0.057	χ^2/NDF : 6731961368.4/16	Left: 135173.164 $\pm$ 0.083	χ^2/NDF : 11944128.7/5
Left Out: 135185.769 $\pm$ 0.104	χ^2/NDF : 7409923.2/3	Right: 132062.178 $\pm$ 0.039	χ^2/NDF : 12614215233.7/16
Right Out: 132038.077 $\pm$ 0.053	χ^2/NDF : 5881799125.4/18	In: 132535.945 $\pm$ 0.052	χ^2/NDF : 7162284673.7/18
Left In: 135151.413 $\pm$ 0.137	χ^2/NDF : 4494462.7/1	Out: 132674.252 $\pm$ 0.047	χ^2/NDF : 6614680262.0/2
		All: 132612.596 $\pm$ 0.035	χ^2/NDF : 137808368.7/16

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 135.730 $\pm$ 0.040 χ^2 /NDF: 1442560.7/16

Left Out: 170.114 $\pm$ 0.074 χ^2 /NDF:11131.7/3

Right Out: 129.912 $\pm$ 0.037 χ^2 /NDF: 1498757.6/18

Left In: 168.434 $\pm$ 0.097 χ^2 /NDF:10174.9/1

Left: 169.498 $\pm$ 0.059 χ^2 /NDF: 21496.5/5

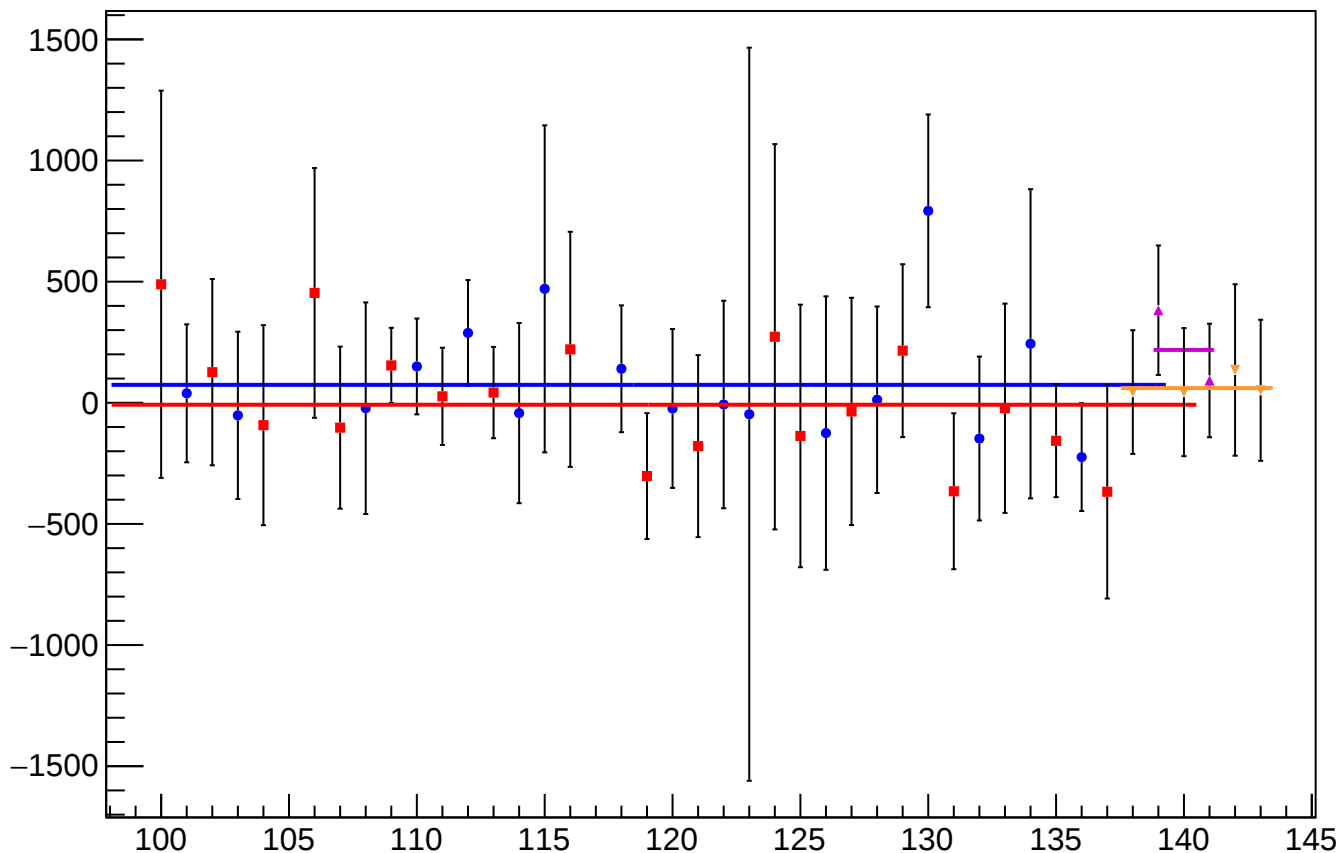
Right: 132.605 $\pm$ 0.027 χ^2 /NDF: 2952668.5/35

In: 140.493 $\pm$ 0.037 χ^2 /NDF:1549936.3/18

Out: 138.037 $\pm$ 0.033 χ^2 /NDF:1746563.2/22

All: 139.132 $\pm$ 0.025 χ^2 /NDF: 3298940.5/41

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 74.036 $\pm$ 79.233 χ^2 /NDF: 7.6/16

Left Out: 60.714 $\pm$ 142.246 χ^2 /NDF:0.1/3

Right Out: -8.046 $\pm$ 70.080 χ^2 /NDF: 7.2/18

Left In: 218.233 $\pm$ 176.194 χ^2 /NDF:0.7/1

Left: 122.869 $\pm$ 110.679 χ^2 /NDF: 1.2/5

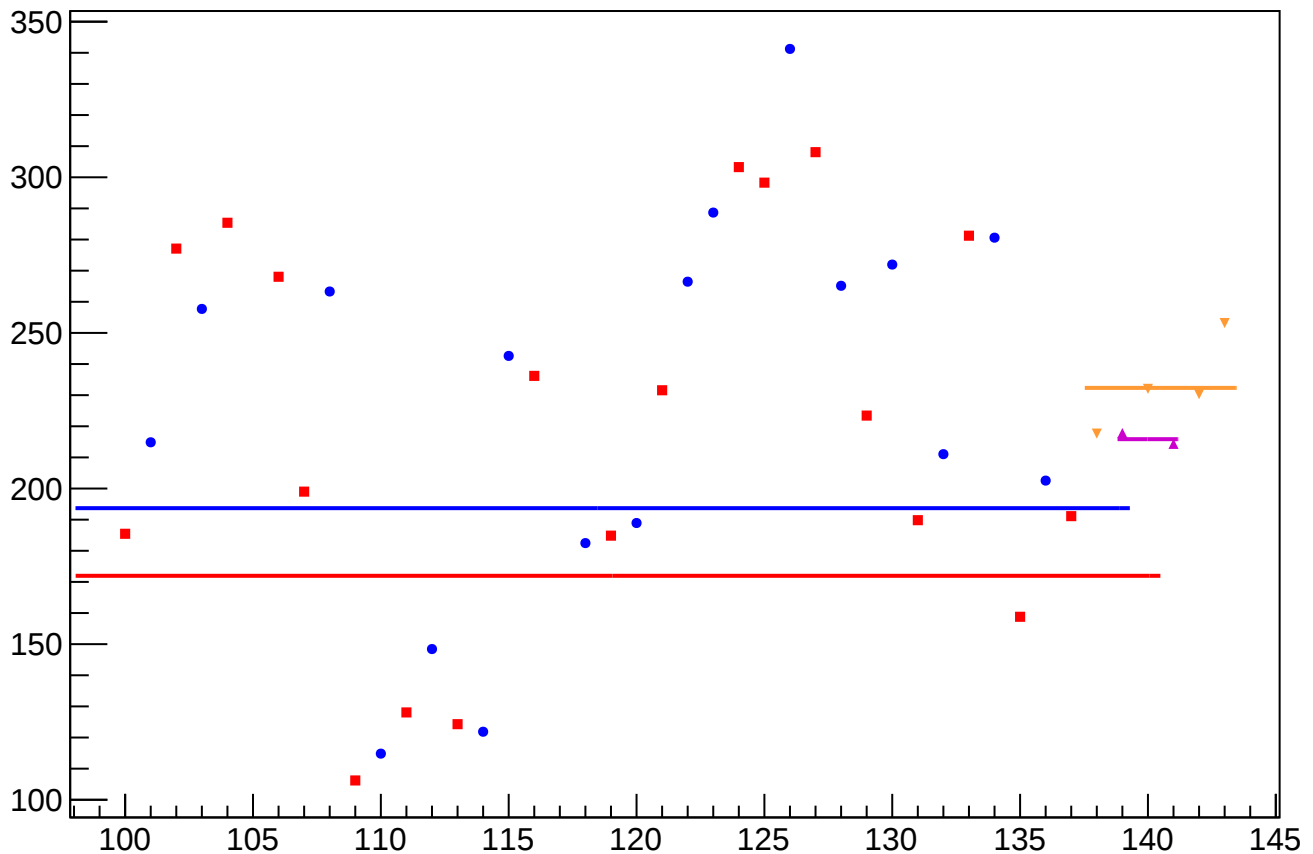
Right: 27.982 $\pm$ 52.493 χ^2 /NDF: 15.5/35

In: 98.291 $\pm$ 72.262 χ^2 /NDF:8.9/18

Out: 5.384 $\pm$ 62.865 χ^2 /NDF:7.5/22

All: 45.407 $\pm$ 47.429 χ^2 /NDF: 17.3/41

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.695 $\pm$ 0.056 χ^2 /NDF: 1018039.6/16

Left Out: 232.339 $\pm$ 0.101 χ^2 /NDF:16925.5/3

Right Out: 171.963 $\pm$ 0.050 χ^2 /NDF: 1574387.3/18

Left In: 215.862 $\pm$ 0.125 χ^2 /NDF:191.0/1

Left: 225.837 $\pm$ 0.078 χ^2 /NDF: 27704.8/5

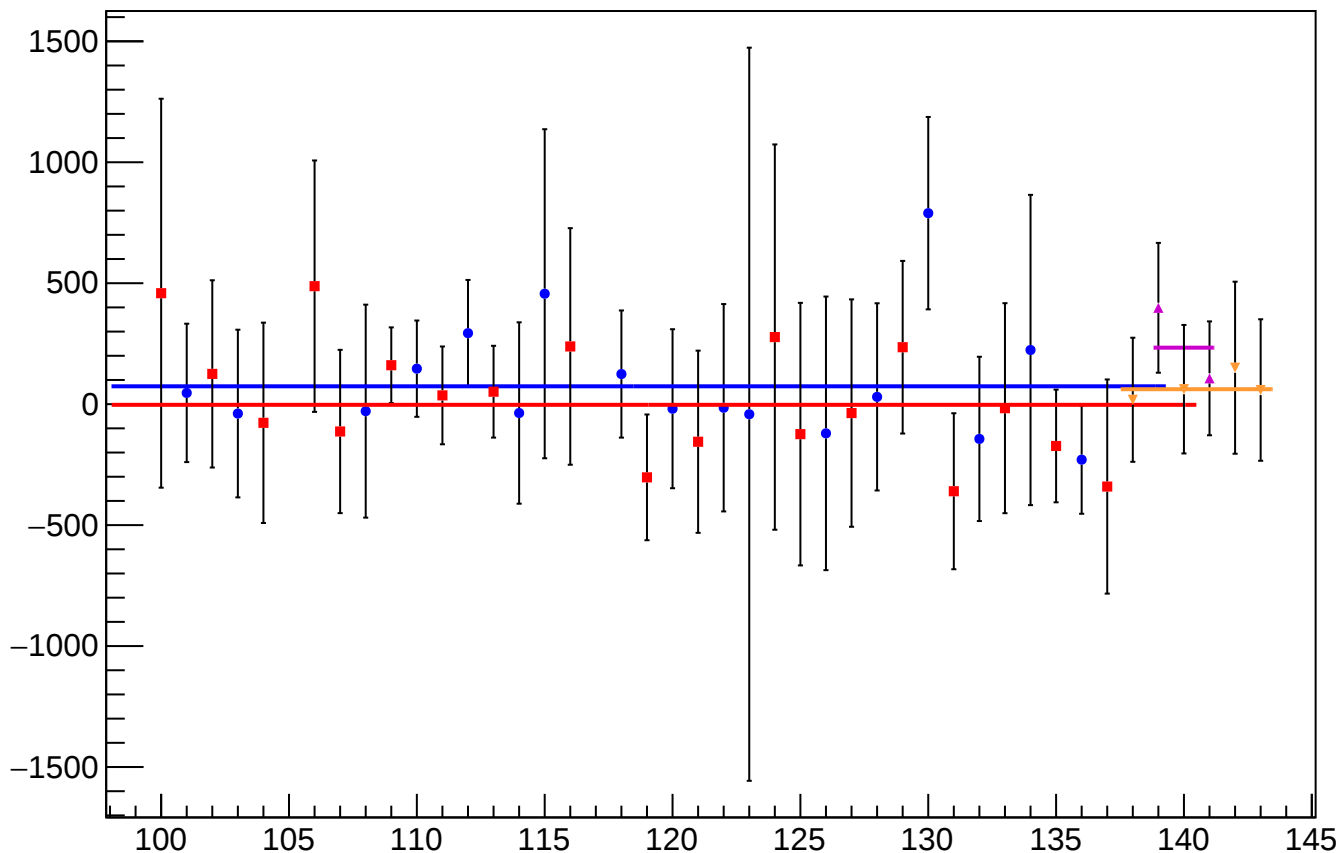
Right: 181.502 $\pm$ 0.037 χ^2 /NDF: 2676847.4/35

In: 197.424 $\pm$ 0.051 χ^2 /NDF:1044562.1/18

Out: 183.755 $\pm$ 0.044 χ^2 /NDF:1881248.8/22

All: 189.643 $\pm$ 0.034 χ^2 /NDF: 2966541.9/41

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 73.822 $\pm$ 79.620 χ^2 /NDF: 7.5/16

Left Out: 61.818 $\pm$ 142.892 χ^2 /NDF:0.1/3

Right Out: -2.721 $\pm$ 70.450 χ^2 /NDF: 7.4/18

Left In: 233.549 $\pm$ 176.955 χ^2 /NDF:0.7/1

Left: 129.599 $\pm$ 111.172 χ^2 /NDF: 1.3/5

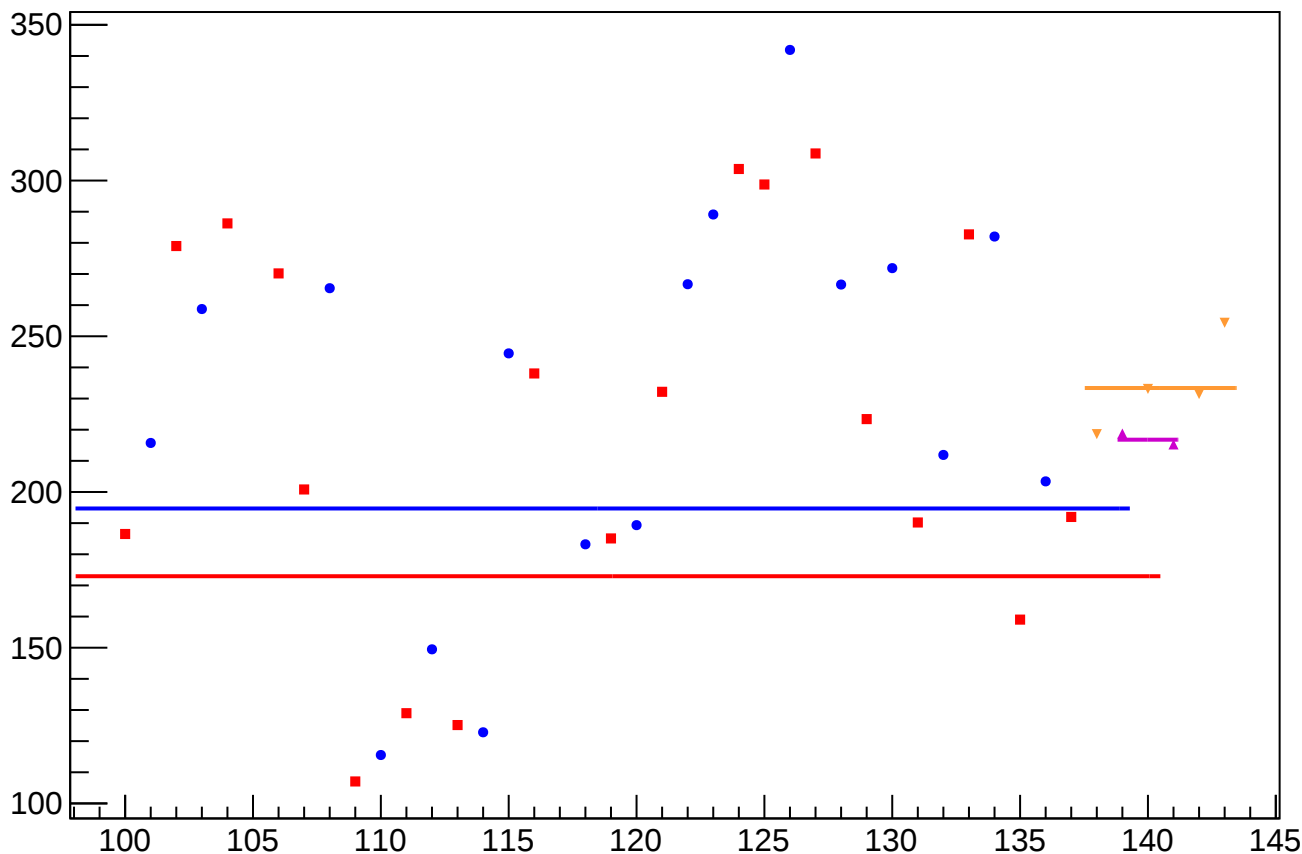
Right: 30.891 $\pm$ 52.761 χ^2 /NDF: 15.5/35

In: 100.714 $\pm$ 72.609 χ^2 /NDF:8.9/18

Out: 9.899 $\pm$ 63.188 χ^2 /NDF:7.6/22

All: 49.036 $\pm$ 47.666 χ^2 /NDF: 17.4/41

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.704+/-0.056 χ^2/NDF : 1009606.0/16

Left Out: 233.390+/-0.101 χ^2/NDF :16996.2/3

Right Out: 172.953+/-0.050 χ^2/NDF : 1562179.1/18

Left In: 216.792+/-0.125 χ^2/NDF :191.9/1

Left: 226.839+/-0.079 χ^2/NDF : 27838.8/5

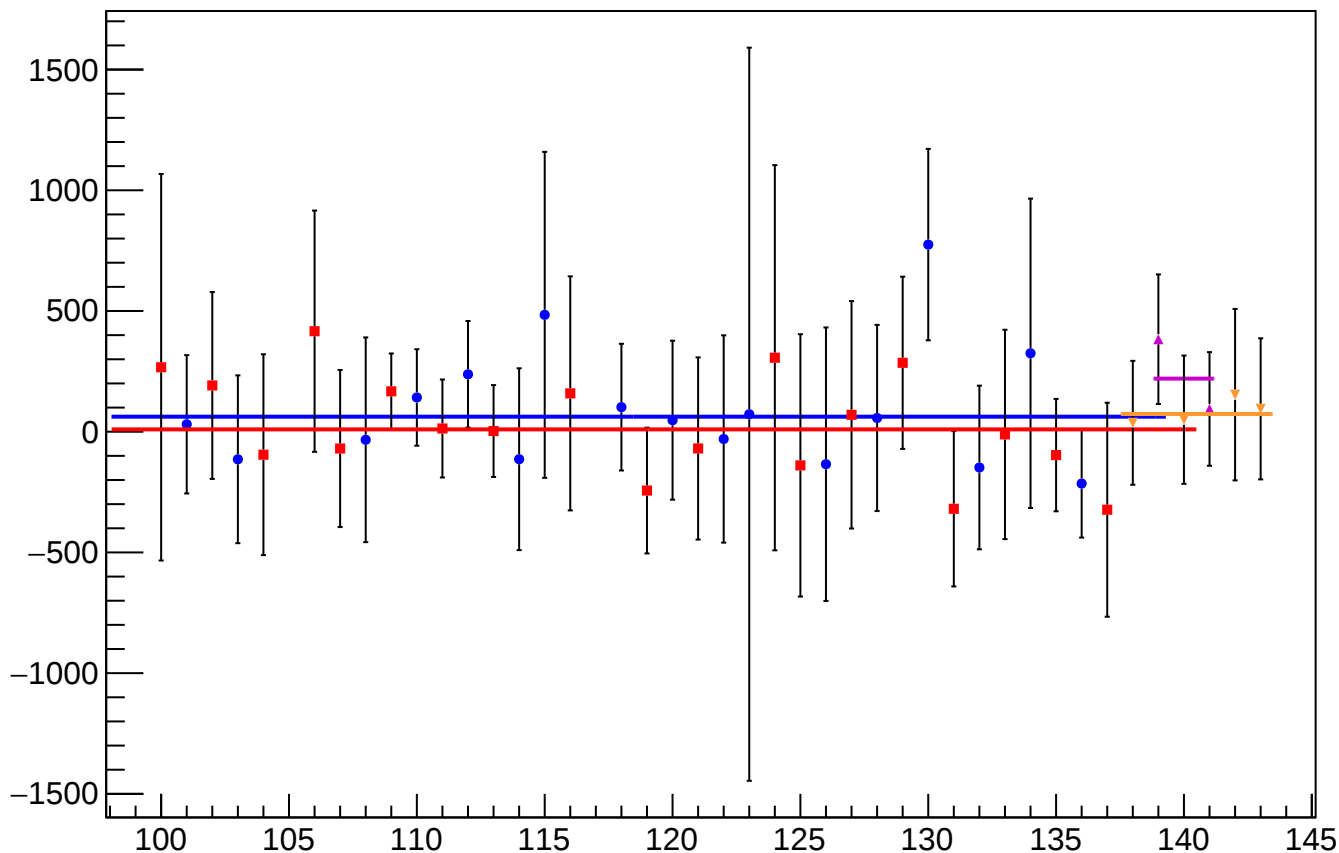
Right: 182.505+/-0.037 χ^2/NDF : 2655502.8/35

In: 198.423+/-0.051 χ^2/NDF :1035712.5/18

Out: 184.771+/-0.045 χ^2/NDF :1866993.8/22

All: 190.655+/-0.034 χ^2/NDF : 2942938.7/41

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 62.284+/-79.616 χ^2/NDF : 7.2/16

Left Out: 73.320+/-142.868 χ^2/NDF : 0.1/3

Right Out: 9.662+/-70.372 χ^2/NDF : 5.9/18

Left In: 219.891+/-176.898 χ^2/NDF : 0.7/1

Left: 131.182+/-111.146 χ^2/NDF : 1.2/5

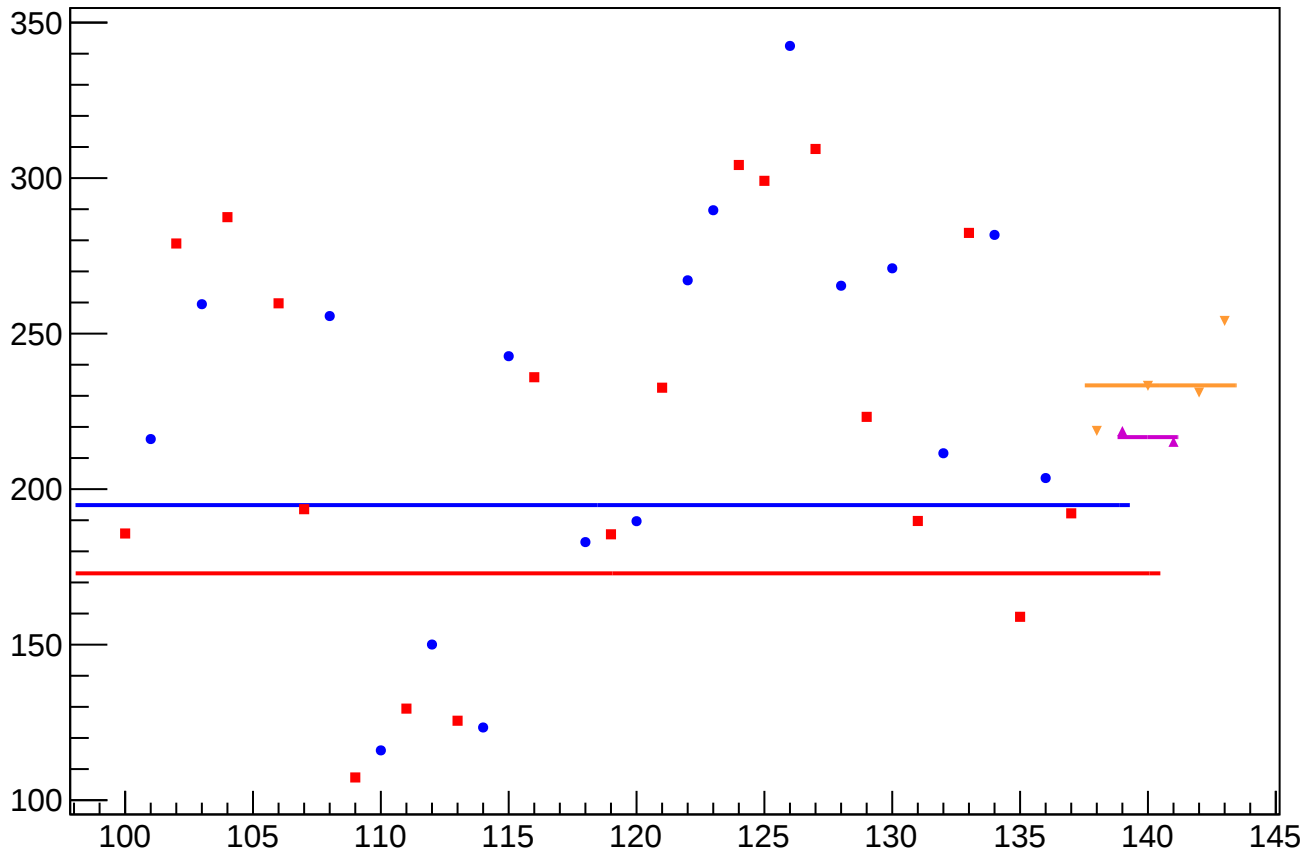
Right: 32.742+/-52.727 χ^2/NDF : 13.3/35

In: 88.832+/-72.602 χ^2/NDF : 8.5/18

Out: 22.092+/-63.129 χ^2/NDF : 6.1/22

All: 50.826+/-47.638 χ^2/NDF : 15.1/41

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.868 $\pm$ 0.056 χ^2 /NDF: 987545.2/16

Left Out: 233.359 $\pm$ 0.101 χ^2 /NDF:16640.1/3

Right Out: 172.928 $\pm$ 0.050 χ^2 /NDF: 1539123.2/18

Left In: 216.727 $\pm$ 0.125 χ^2 /NDF:189.0/1

Left: 226.793 $\pm$ 0.079 χ^2 /NDF: 27530.3/5

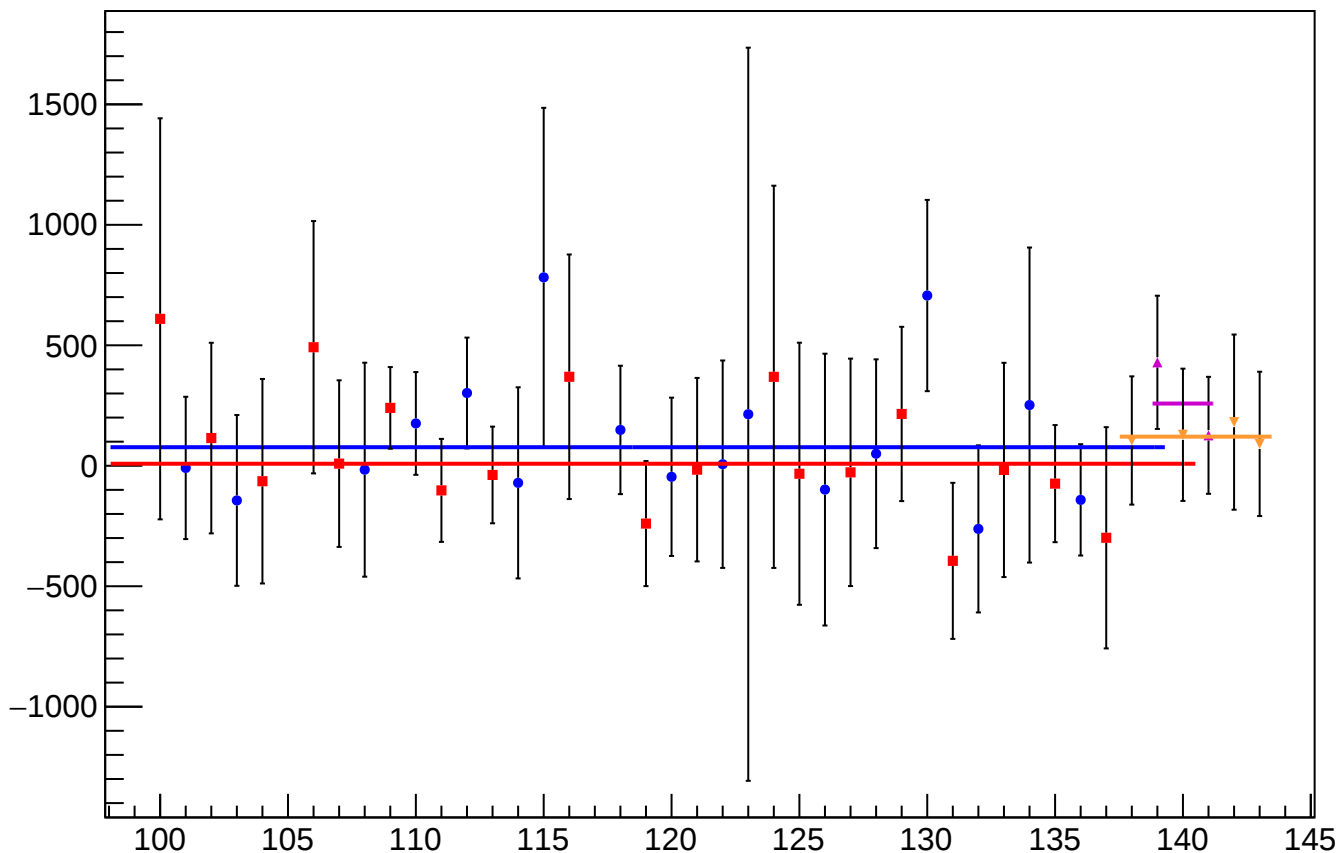
Right: 182.551 $\pm$ 0.037 χ^2 /NDF: 2611939.6/35

In: 198.550 $\pm$ 0.051 χ^2 /NDF:1013126.8/18

Out: 184.727 $\pm$ 0.045 χ^2 /NDF:1843737.2/22

All: 190.678 $\pm$ 0.034 χ^2 /NDF: 2898151.4/41

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 77.030+/-82.098 χ^2/NDF : 7.6/16

Left Out: 120.834+/-147.271 χ^2/NDF : 0.0/3

Right Out: 8.365+/-73.326 χ^2/NDF : 7.8/18

Left In: 258.232+/-182.402 χ^2/NDF : 0.7/1

Left: 175.056+/-114.585 χ^2/NDF : 1.1/5

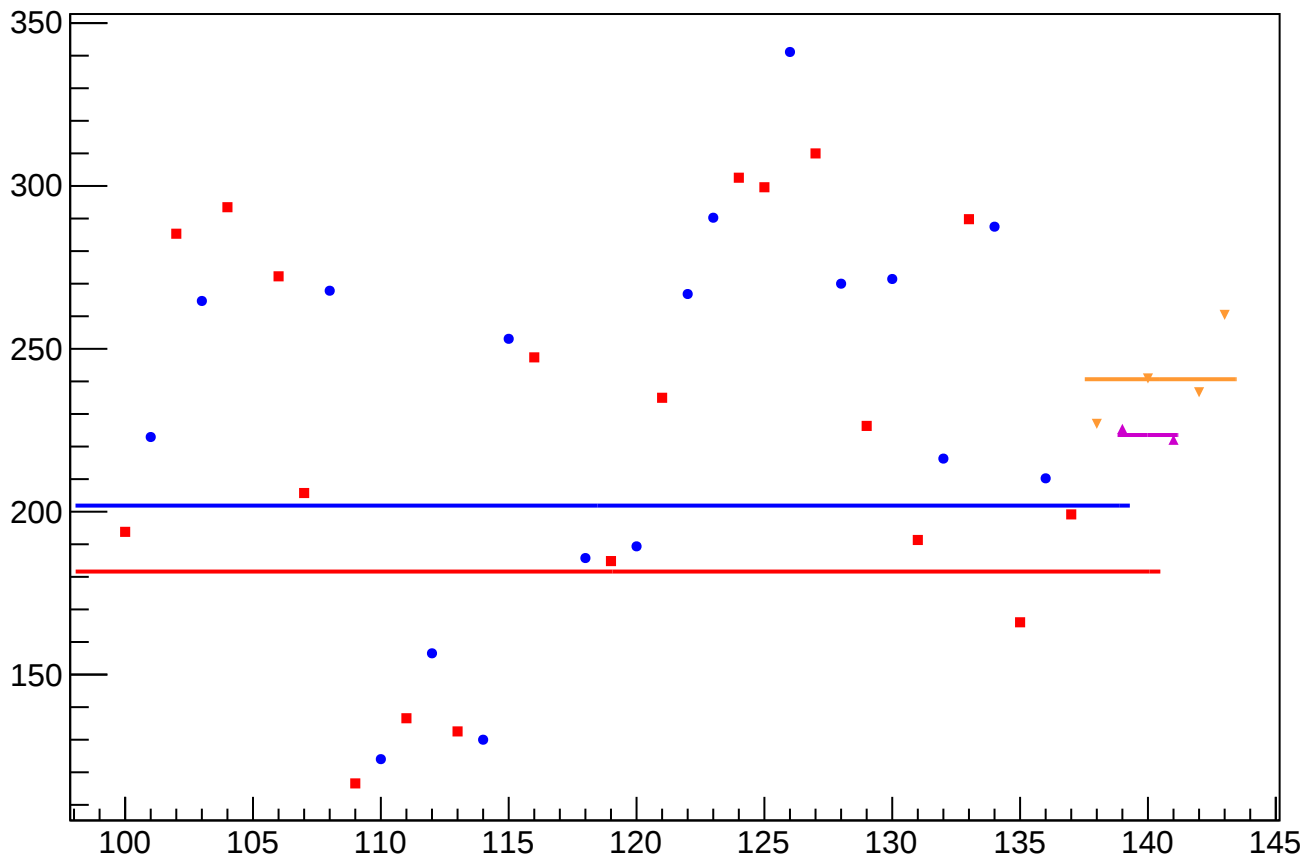
Right: 38.834+/-54.689 χ^2/NDF : 15.8/35

In: 107.555+/-74.864 χ^2/NDF : 9.1/18

Out: 30.707+/-65.640 χ^2/NDF : 8.3/22

All: 64.107+/-49.355 χ^2/NDF : 18.0/41

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 201.873 $\pm$ 0.058 χ^2 /NDF: 884412.3/16

Left Out: 240.669 $\pm$ 0.104 χ^2 /NDF:14241.1/3

Right Out: 181.626 $\pm$ 0.052 χ^2 /NDF: 1373392.9/18

Left In: 223.546 $\pm$ 0.129 χ^2 /NDF:168.3/1

Left: 233.911 $\pm$ 0.081 χ^2 /NDF: 25079.1/5

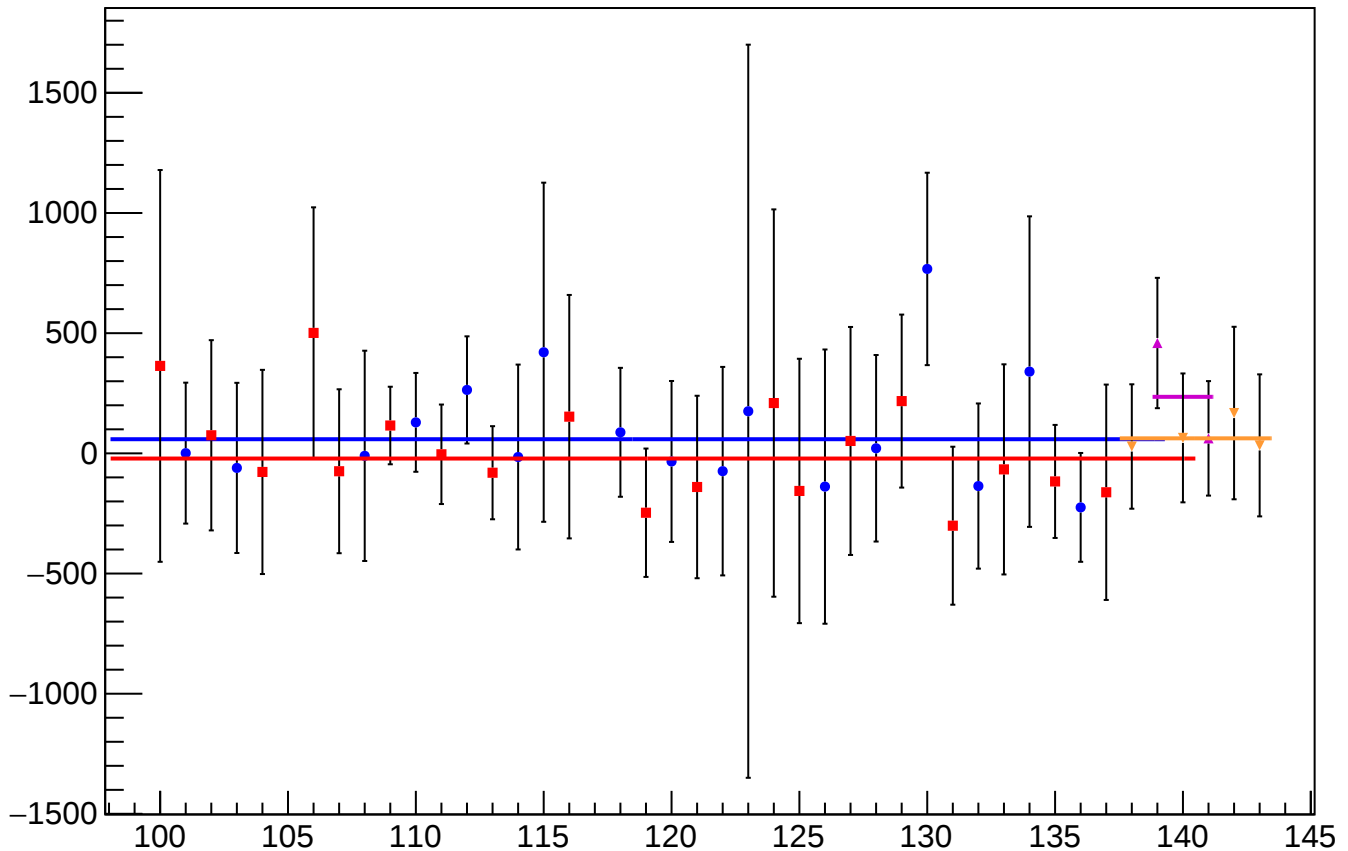
Right: 190.610 $\pm$ 0.039 χ^2 /NDF: 2325469.6/35

In: 205.524 $\pm$ 0.053 χ^2 /NDF:908059.6/18

Out: 193.355 $\pm$ 0.046 χ^2 /NDF:1645236.3/22

All: 198.644 $\pm$ 0.035 χ^2 /NDF: 2583170.5/41

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 58.835 $\pm$ 81.036 χ^2 /NDF: 7.0/16

Left Out: 62.506 $\pm$ 144.247 χ^2 /NDF: 0.1/3

Right Out: -21.559 $\pm$ 71.880 χ^2 /NDF: 4.7/18

Left In: 235.197 $\pm$ 178.957 χ^2 /NDF: 1.2/1

Left: 130.517 $\pm$ 112.306 χ^2 /NDF: 1.9/5

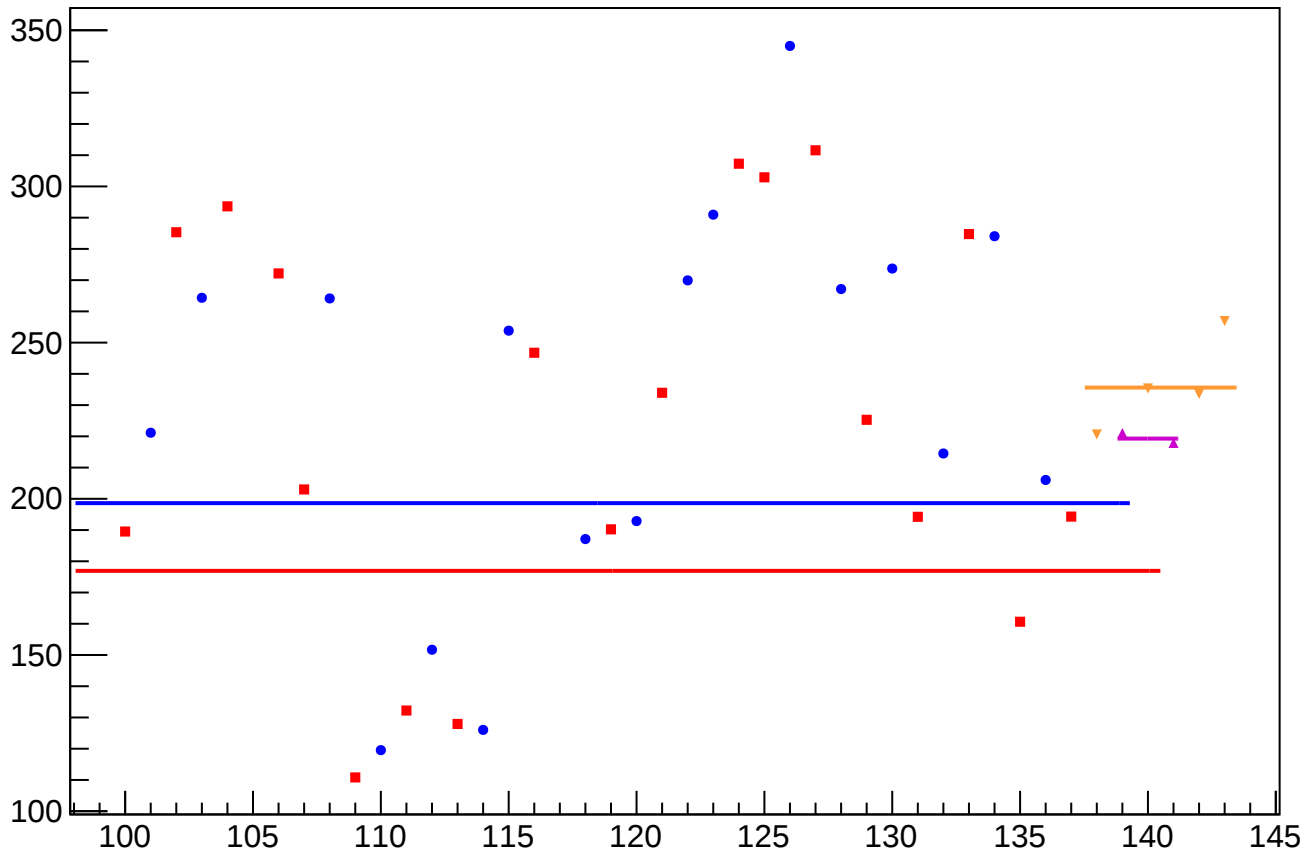
Right: 13.841 $\pm$ 53.774 χ^2 /NDF: 12.2/35

In: 88.845 $\pm$ 73.821 χ^2 /NDF: 9.0/18

Out: -4.837 $\pm$ 64.335 χ^2 /NDF: 5.1/22

All: 35.602 $\pm$ 48.501 χ^2 /NDF: 15.0/41

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.615 $\pm$ 0.057 χ^2 /NDF: 965079.3/16

Left Out: 235.611 $\pm$ 0.102 χ^2 /NDF:17167.8/3

Right Out: 176.933 $\pm$ 0.051 χ^2 /NDF: 1519414.5/18

Left In: 219.274 $\pm$ 0.127 χ^2 /NDF:153.7/1

Left: 229.177 $\pm$ 0.079 χ^2 /NDF: 27425.1/5

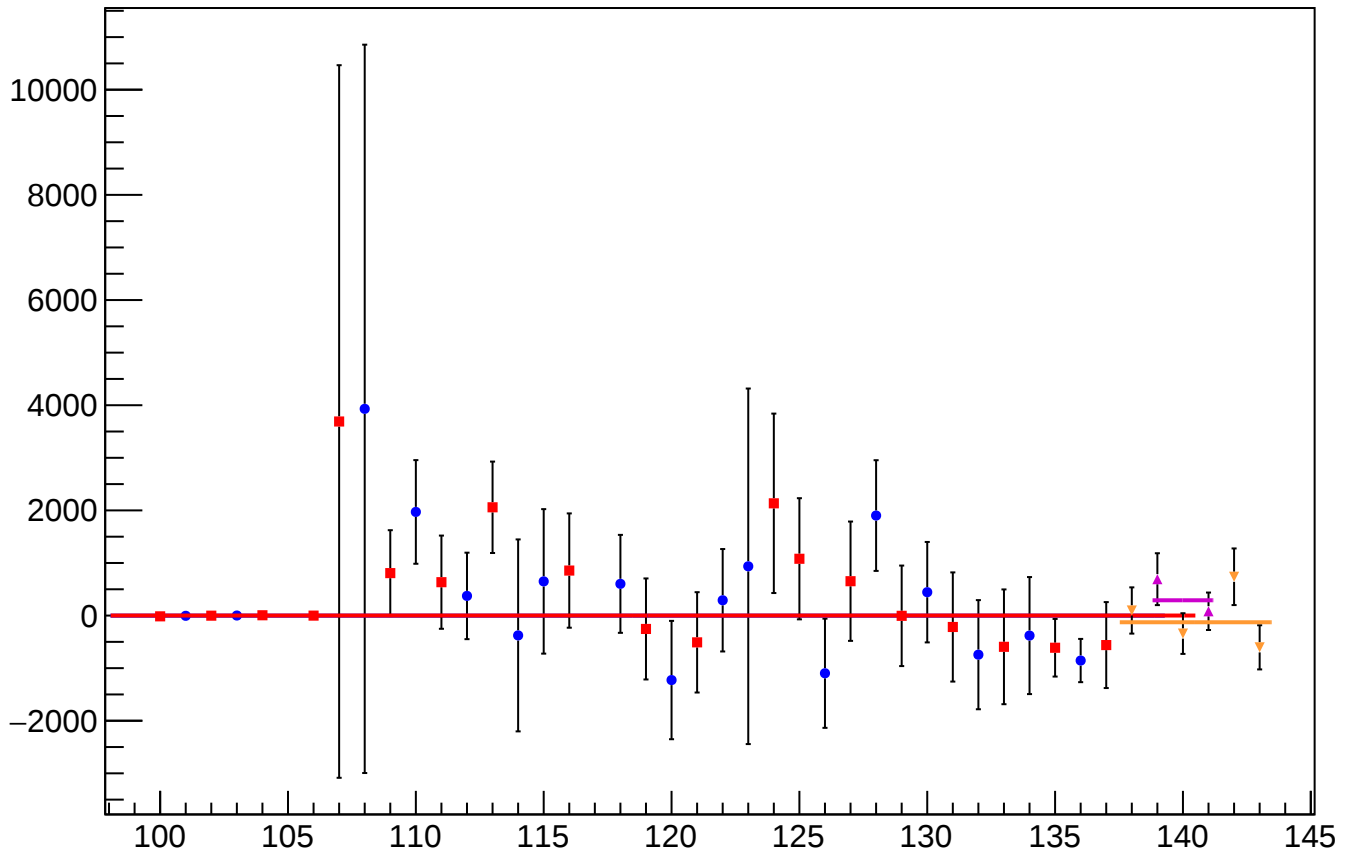
Right: 186.480 $\pm$ 0.038 χ^2 /NDF: 2564624.8/35

In: 202.130 $\pm$ 0.052 χ^2 /NDF:987352.1/18

Out: 188.605 $\pm$ 0.045 χ^2 /NDF:1801708.6/22

All: 194.443 $\pm$ 0.034 χ^2 /NDF: 2827217.5/41

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.530 ± 2.251 χ^2/NDF : 17.4/16

Left Out: -127.131 ± 218.306 χ^2/NDF : 4.4/3

Right Out: 0.726 ± 2.111 χ^2/NDF : 19.1/18

Left In: 290.821 ± 288.681 χ^2/NDF : 1.0/1

Left: 24.926 ± 174.124 χ^2/NDF : 6.8/5

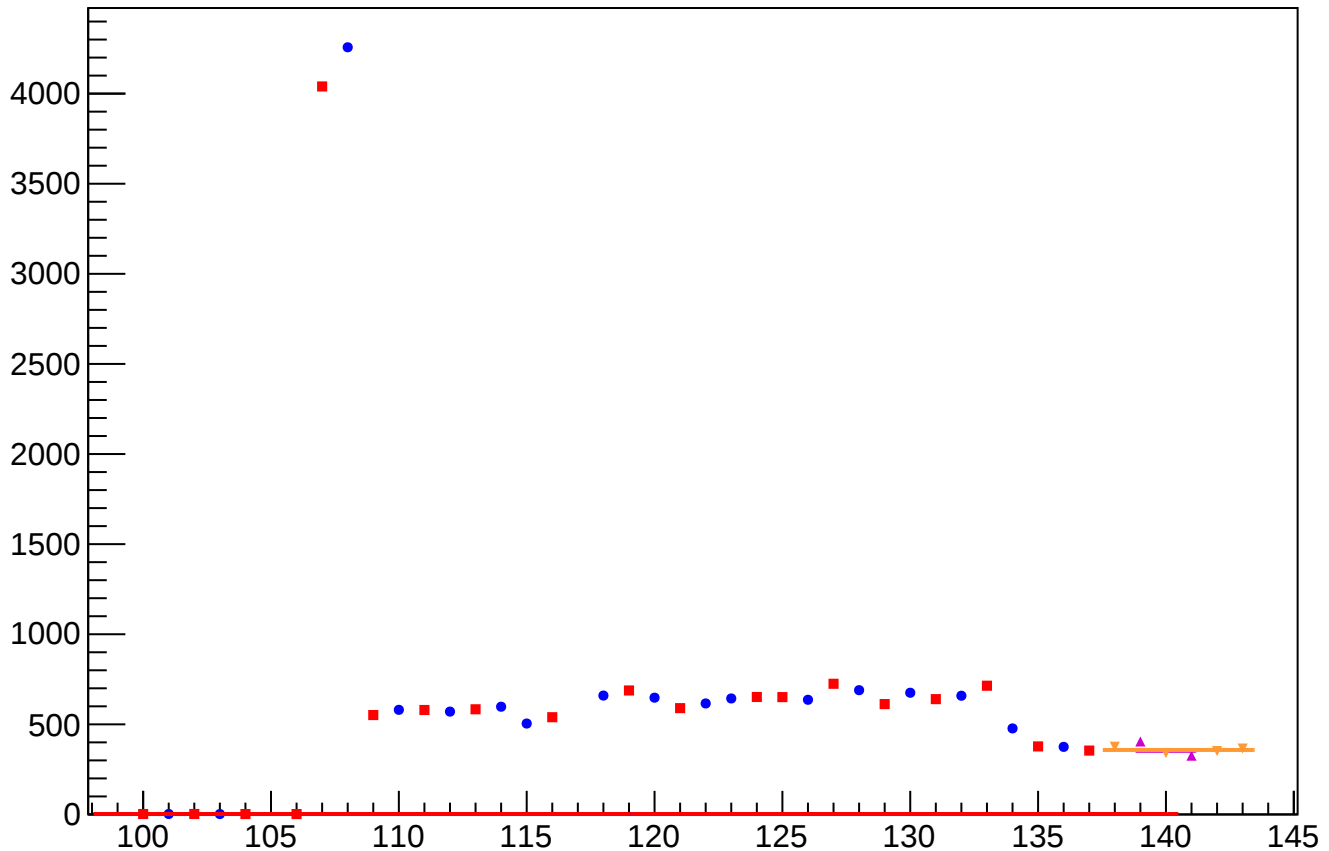
Right: -0.329 ± 1.540 χ^2/NDF : 37.1/35

In: -1.512 ± 2.251 χ^2/NDF : 19.5/18

Out: 0.714 ± 2.111 χ^2/NDF : 23.9/22

All: -0.327 ± 1.540 χ^2/NDF : 43.9/41

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.456+/-0.002 χ^2/NDF : 10808630.7/16

Left Out: 357.966+/-0.154 χ^2/NDF :8114.9/3

Right Out: 2.437+/-0.001 χ^2/NDF : 11101281.1/18

Left In: 353.289+/-0.204 χ^2/NDF :33501.6/1

Left: 356.265+/-0.123 χ^2/NDF : 41950.5/5

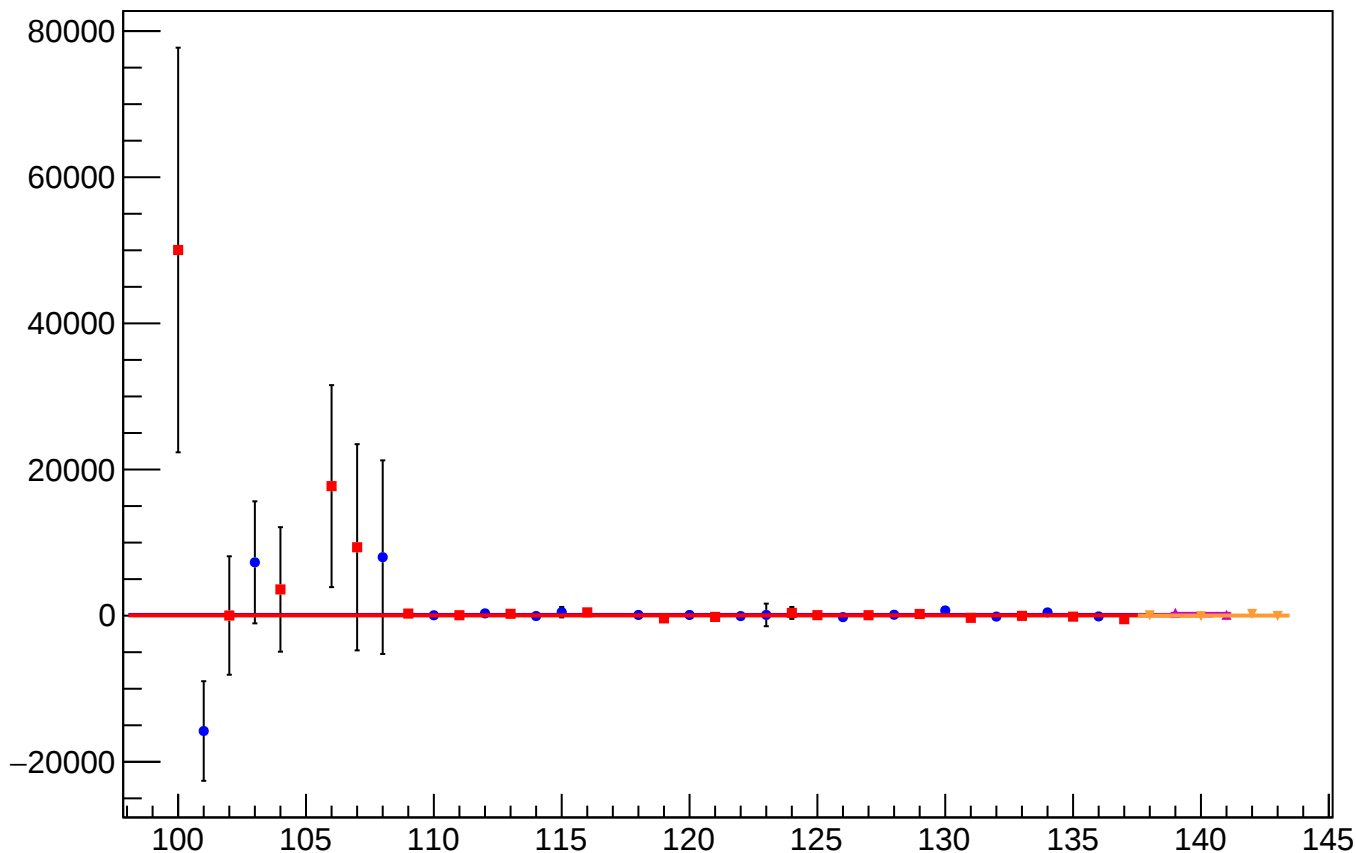
Right: 2.446+/-0.001 χ^2/NDF : 21909994.5/35

In: 2.478+/-0.002 χ^2/NDF :13795846.0/18

Out: 2.470+/-0.001 χ^2/NDF :16413476.7/22

All: 2.474+/-0.001 χ^2/NDF : 30209336.0/41

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 100.742 $\pm$ 91.159 χ^2 /NDF: 12.0/16

Left Out: 16.195 $\pm$ 149.411 χ^2 /NDF: 0.5/3

Right Out: 37.835 $\pm$ 84.525 χ^2 /NDF: 14.0/18

Left In: 246.182 $\pm$ 178.328 χ^2 /NDF: 0.6/1

Left: 111.053 $\pm$ 114.526 χ^2 /NDF: 2.1/5

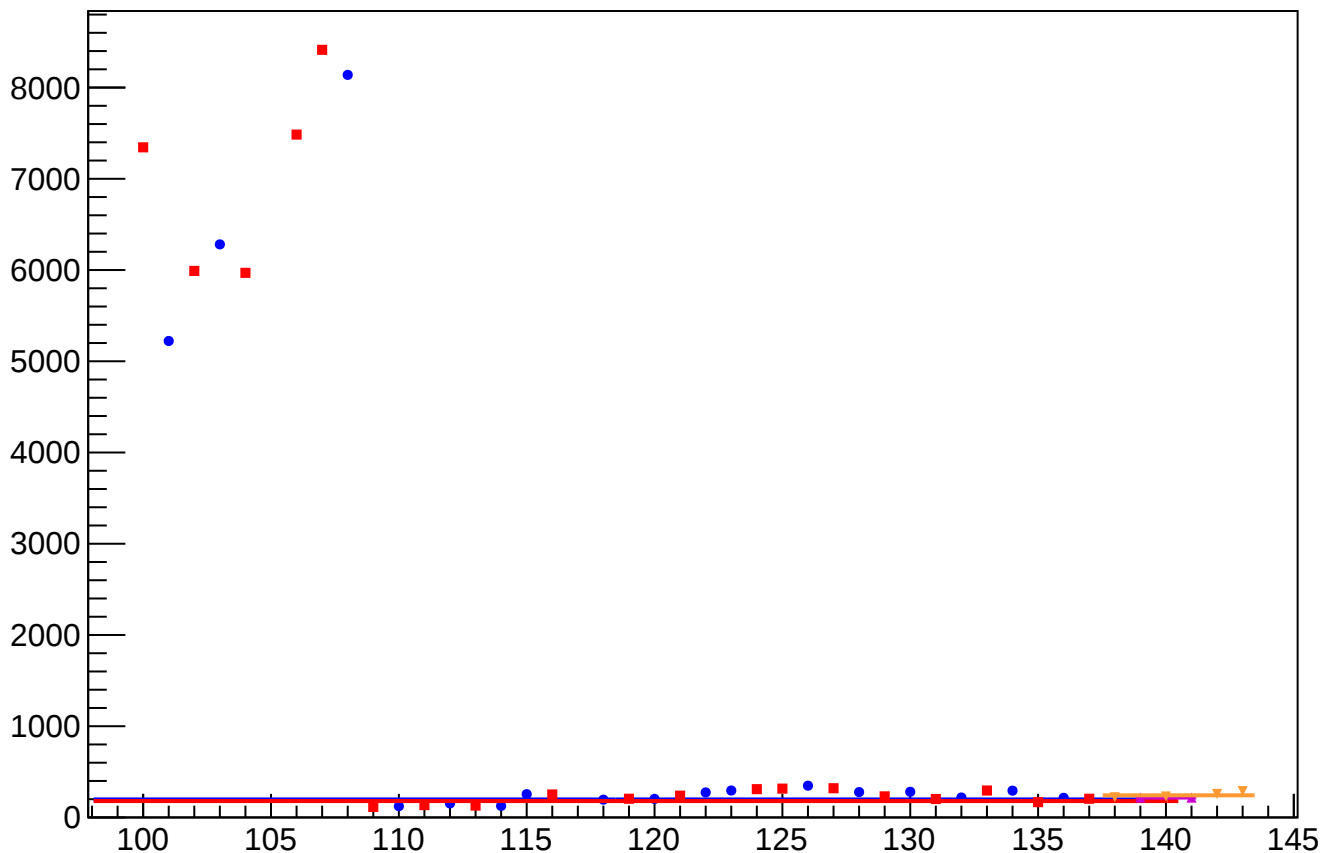
Right: 66.916 $\pm$ 61.981 χ^2 /NDF: 26.3/35

In: 130.874 $\pm$ 81.169 χ^2 /NDF: 13.1/18

Out: 32.588 $\pm$ 73.568 χ^2 /NDF: 14.5/22

All: 76.915 $\pm$ 54.510 χ^2 /NDF: 28.5/41

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.308+/-0.064 χ^2/NDF : 3696256.2/16

Left Out: 242.767+/-0.106 χ^2/NDF : 59628.1/3

Right Out: 179.749+/-0.060 χ^2/NDF : 4315581.1/18

Left In: 218.162+/-0.126 χ^2/NDF : 48.4/1

Left: 232.619+/-0.081 χ^2/NDF : 82046.2/5

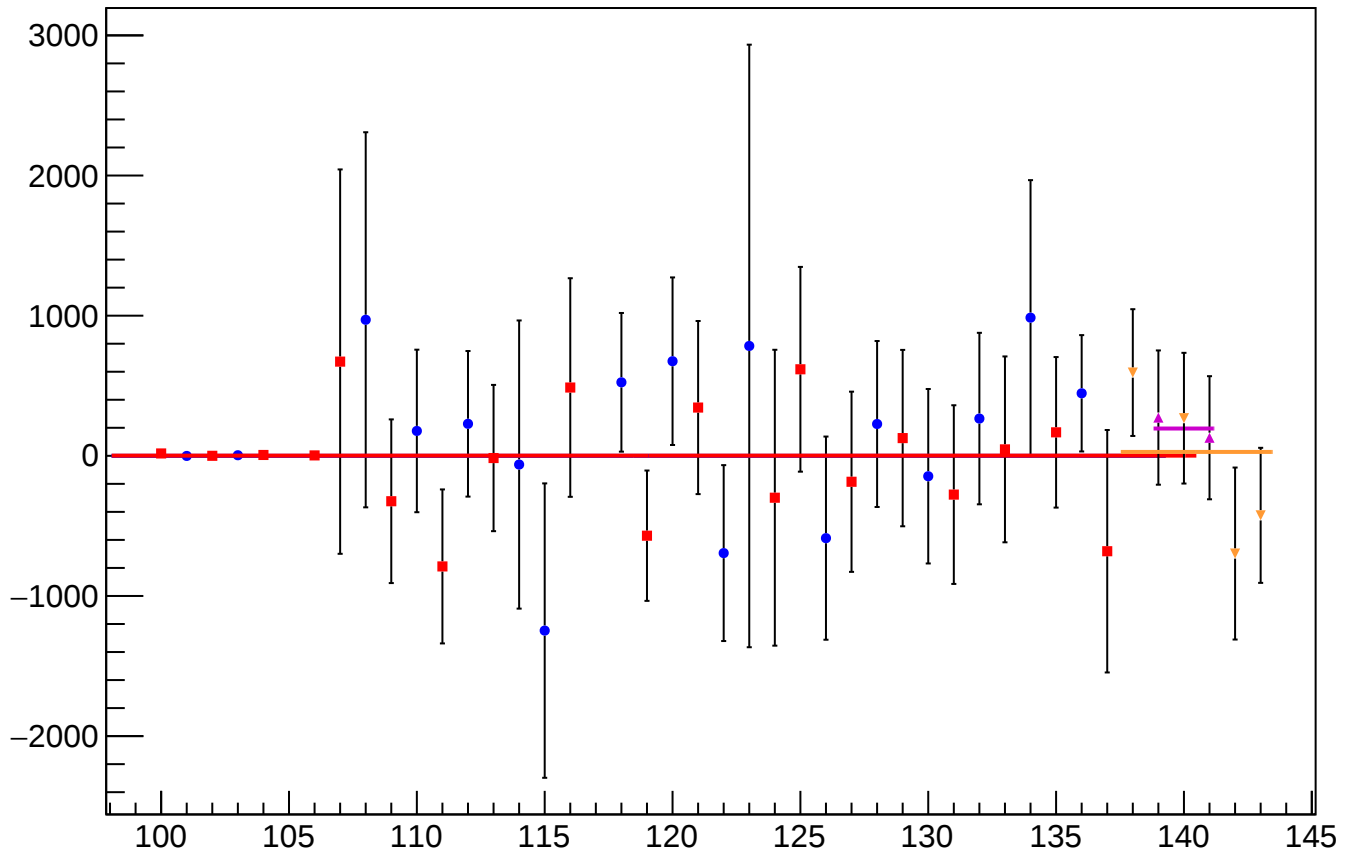
Right: 187.866+/-0.044 χ^2/NDF : 8051736.9/35

In: 201.628+/-0.057 χ^2/NDF : 3717990.7/18

Out: 195.027+/-0.052 χ^2/NDF : 4644739.1/22

All: 198.004+/-0.039 χ^2/NDF : 8369991.3/41

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.140 ± 1.737 χ^2/NDF : 10.0/16

Left Out: 27.801 ± 246.553 χ^2/NDF : 4.1/3

Right Out: 1.323 ± 1.623 χ^2/NDF : 9.4/18

Left In: 194.756 ± 323.734 χ^2/NDF : 0.0/1

Left: 89.090 ± 196.146 χ^2/NDF : 4.3/5

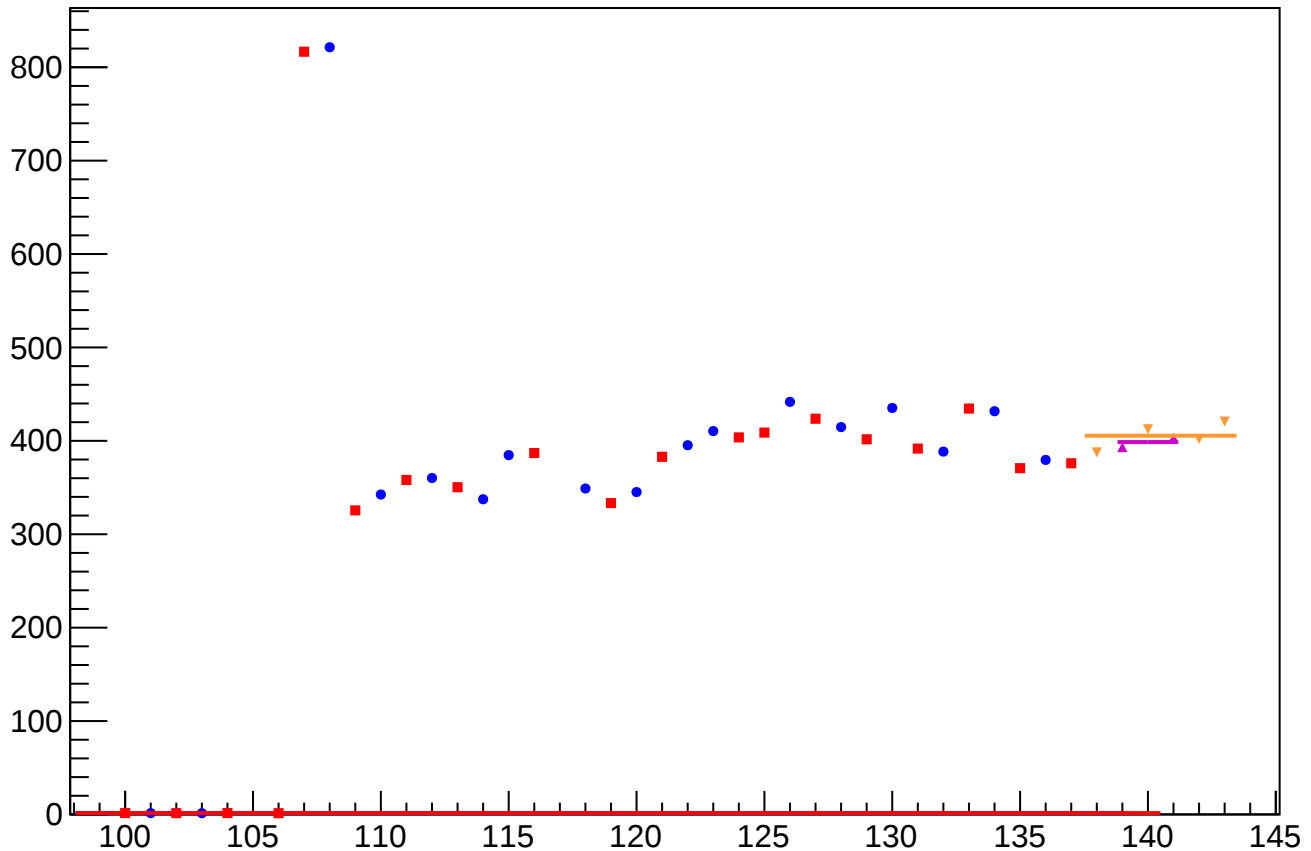
Right: 0.641 ± 1.186 χ^2/NDF : 19.8/35

In: -0.134 ± 1.737 χ^2/NDF : 10.4/18

Out: 1.324 ± 1.623 χ^2/NDF : 13.5/22

All: 0.644 ± 1.186 χ^2/NDF : 24.3/41

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.453+/-0.001 χ^2/NDF : 10914608.7/16

Left Out: 405.503+/-0.174 χ^2/NDF :5612.1/3

Right Out: 1.451+/-0.001 χ^2/NDF : 10838834.3/18

Left In: 398.693+/-0.229 χ^2/NDF :463.8/1

Left: 403.003+/-0.139 χ^2/NDF : 6636.0/5

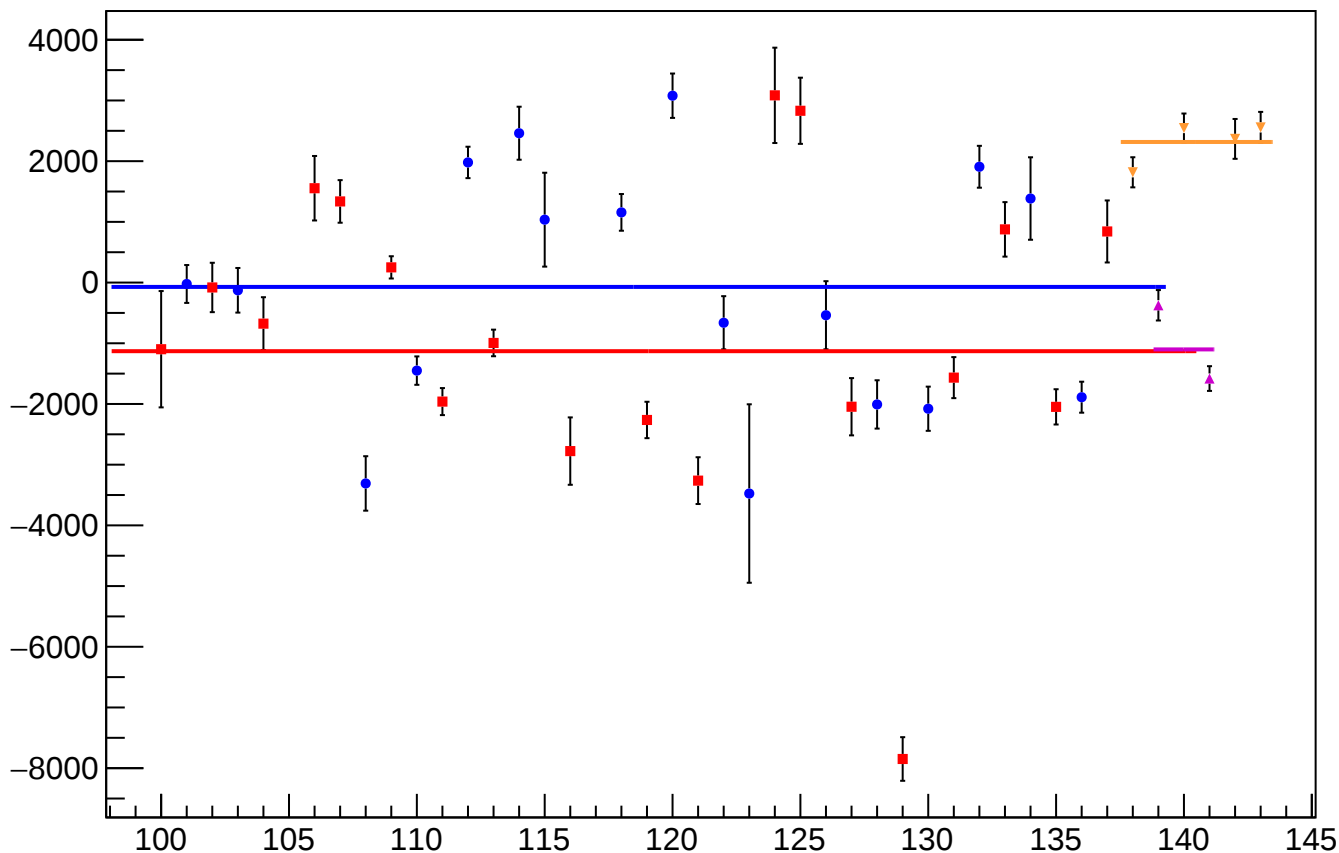
Right: 1.452+/-0.001 χ^2/NDF : 21753444.0/35

In: 1.464+/-0.001 χ^2/NDF :13926323.9/18

Out: 1.468+/-0.001 χ^2/NDF :16215563.6/22

All: 1.466+/-0.001 χ^2/NDF : 30141894.3/41

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -71.539 ± 87.764 $\chi^2/\text{NDF}: 426.3/16$

Left Out: 2316.312 ± 131.052 $\chi^2/\text{NDF}: 5.9/3$

Right Out: -1130.395 ± 78.436 $\chi^2/\text{NDF}: 688.9/18$

Left In: -1101.128 ± 158.071 $\chi^2/\text{NDF}: 14.0/1$

Left: 924.195 ± 100.888 $\chi^2/\text{NDF}: 296.8/5$

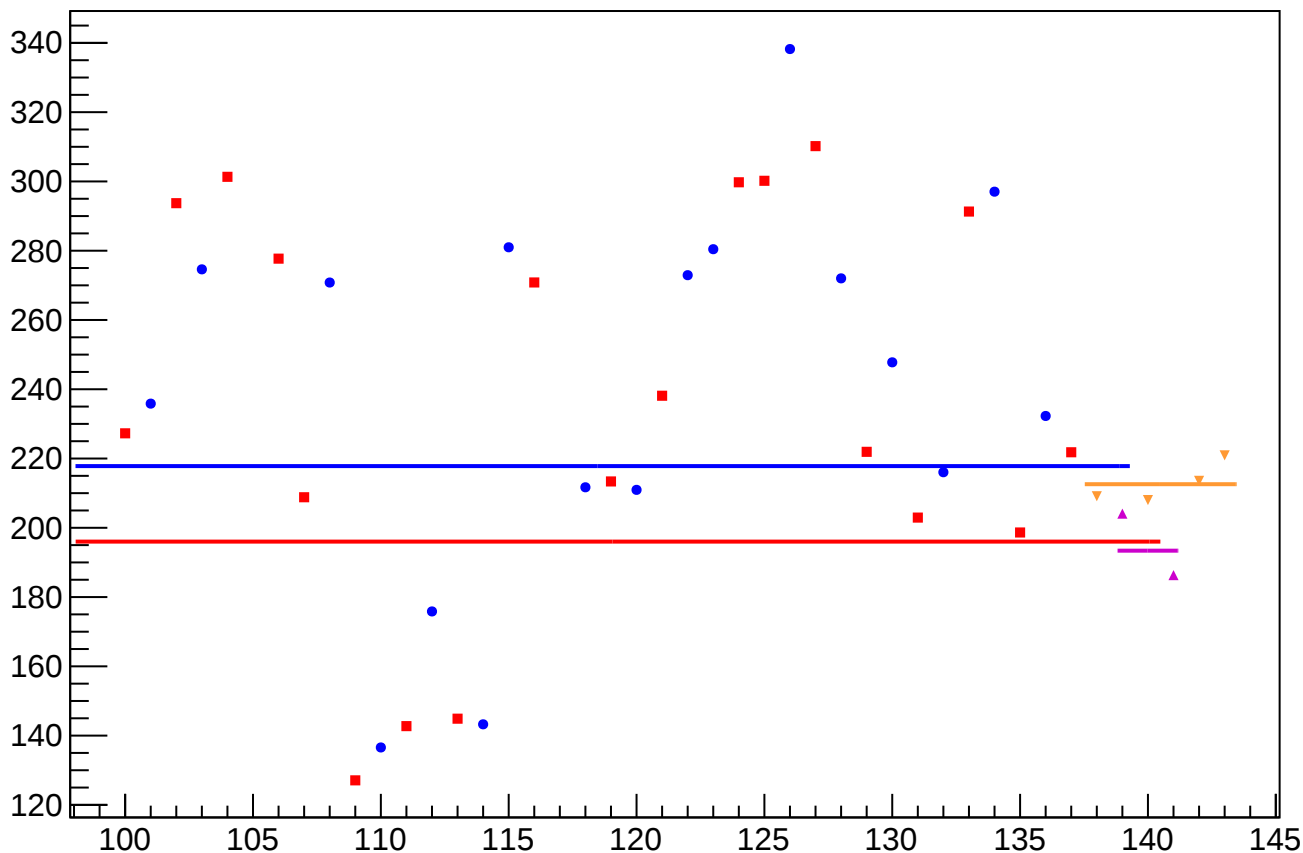
Right: -660.208 ± 58.484 $\chi^2/\text{NDF}: 1196.1/35$

In: -314.141 ± 76.731 $\chi^2/\text{NDF}: 472.7/18$

Out: -221.360 ± 67.303 $\chi^2/\text{NDF}: 1204.0/22$

All: -261.703 ± 50.597 $\chi^2/\text{NDF}: 1677.6/41$

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.814 $\pm$ 0.062 χ^2 /NDF: 661049.8/16

Left Out: 212.587 $\pm$ 0.093 χ^2 /NDF:3261.3/3

Right Out: 196.014 $\pm$ 0.055 χ^2 /NDF: 1189121.8/18

Left In: 193.395 $\pm$ 0.112 χ^2 /NDF:6041.4/1

Left: 204.769 $\pm$ 0.071 χ^2 /NDF: 26775.4/5

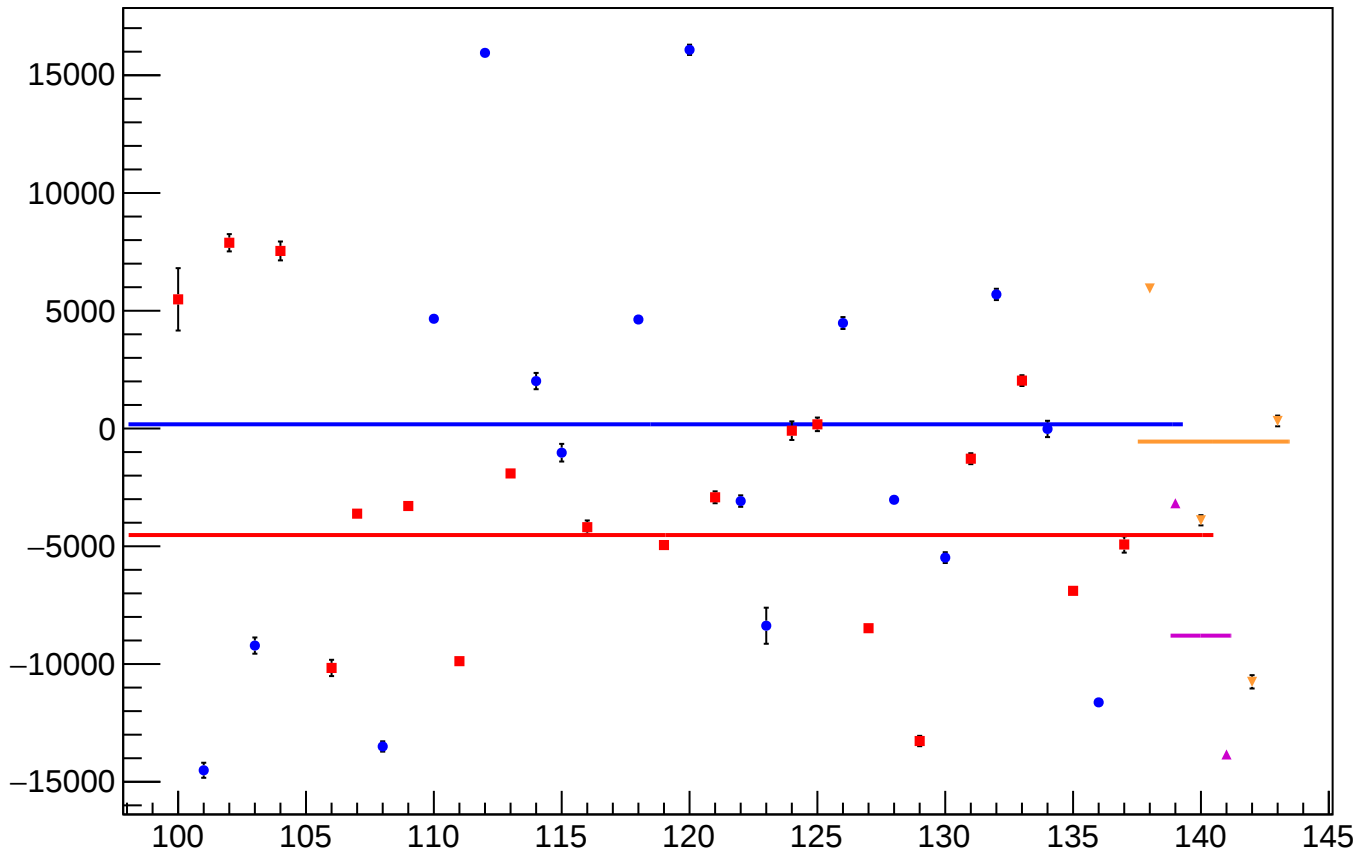
Right: 205.694 $\pm$ 0.041 χ^2 /NDF: 1918777.4/35

In: 212.060 $\pm$ 0.054 χ^2 /NDF:703573.2/18

Out: 200.385 $\pm$ 0.048 χ^2 /NDF:1215934.1/22

All: 205.461 $\pm$ 0.036 χ^2 /NDF: 1945678.7/41

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 178.788+/-54.896 χ^2/NDF : 30662.2/16

Left Out: -554.677+/-111.319 χ^2/NDF : 2722.0/3

Right Out: -4523.222+/-52.440 χ^2/NDF : 7474.2/18

Left In: -8794.609+/-141.893 χ^2/NDF : 1408.4/1

Left: -3693.999+/-87.582 χ^2/NDF : 6217.9/5

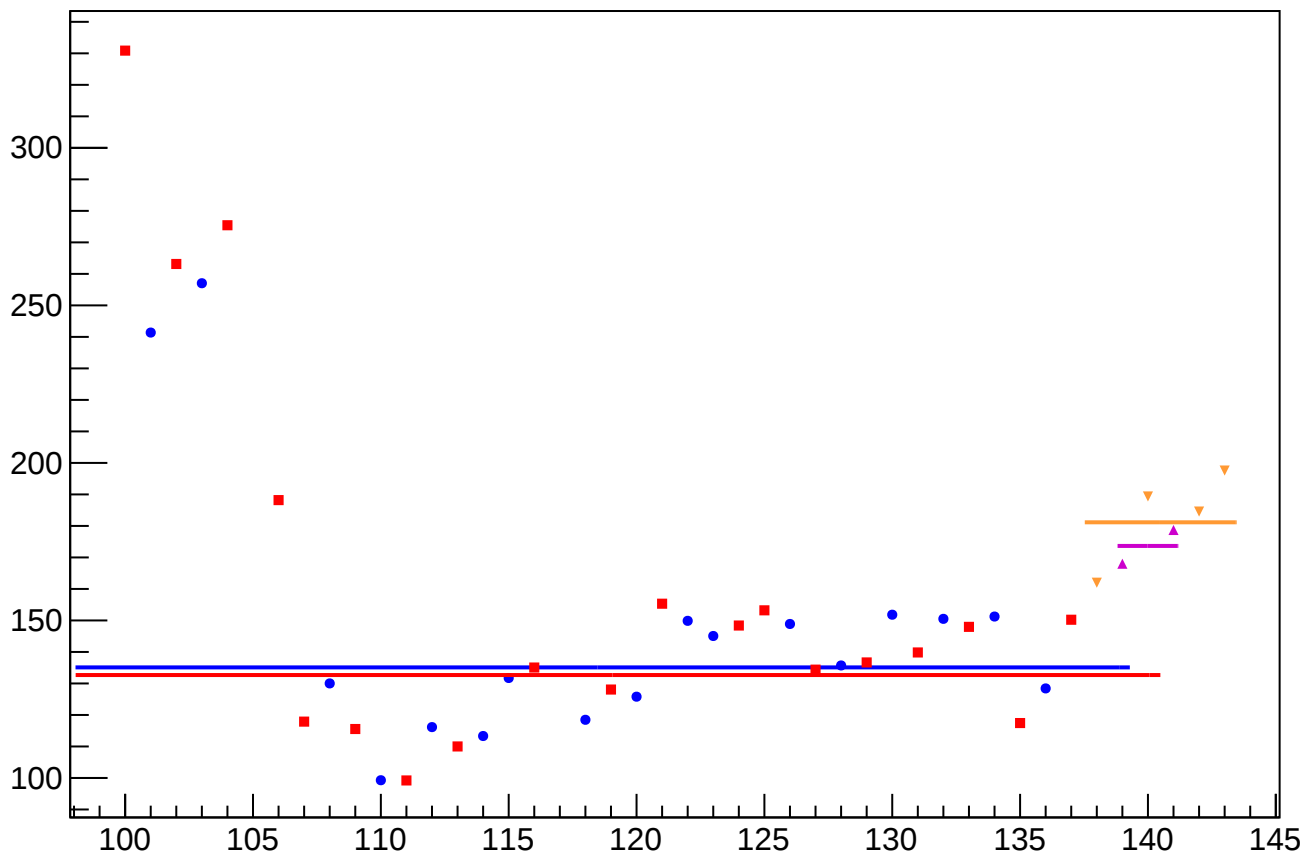
Right: -2279.776+/-37.919 χ^2/NDF : 41972.4/35

In: -989.489+/-51.198 χ^2/NDF : 35549.3/18

Out: -3802.485+/-47.440 χ^2/NDF : 11236.3/22

All: -2503.025+/-34.798 χ^2/NDF : 48409.9/41

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 135.099 $\pm$ 0.039 χ^2 /NDF: 657657.4/16

Left Out: 181.150 $\pm$ 0.079 χ^2 /NDF: 33982.4/3

Right Out: 132.672 $\pm$ 0.037 χ^2 /NDF: 828363.1/18

Left In: 173.651 $\pm$ 0.100 χ^2 /NDF: 2840.2/1

Left: 178.293 $\pm$ 0.062 χ^2 /NDF: 40280.3/5

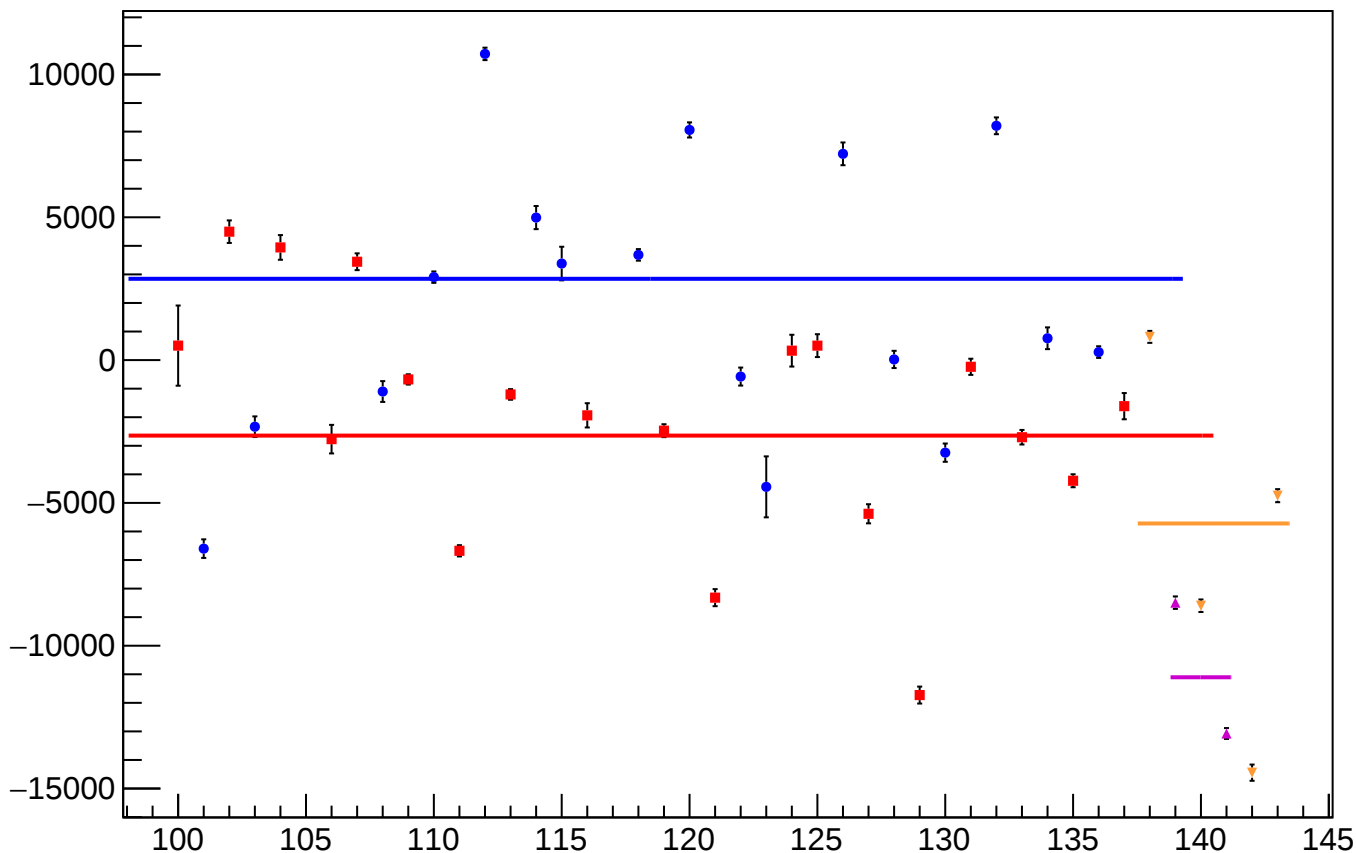
Right: 133.830 $\pm$ 0.027 χ^2 /NDF: 1488063.7/35

In: 140.118 $\pm$ 0.036 χ^2 /NDF: 788917.1/18

Out: 141.476 $\pm$ 0.034 χ^2 /NDF: 1172755.7/22

All: 140.849 $\pm$ 0.025 χ^2 /NDF: 1962430.3/41

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2846.117+/-70.894 χ^2/NDF : 4160.1/16

Left Out: -5720.336+/-115.481 χ^2/NDF : 2103.2/3

Right Out: -2643.505+/-65.711 χ^2/NDF : 3177.7/18

Left In: -11104.825+/-143.276 χ^2/NDF : 250.6/1

Left: -7840.806+/-89.912 χ^2/NDF : 3209.9/5

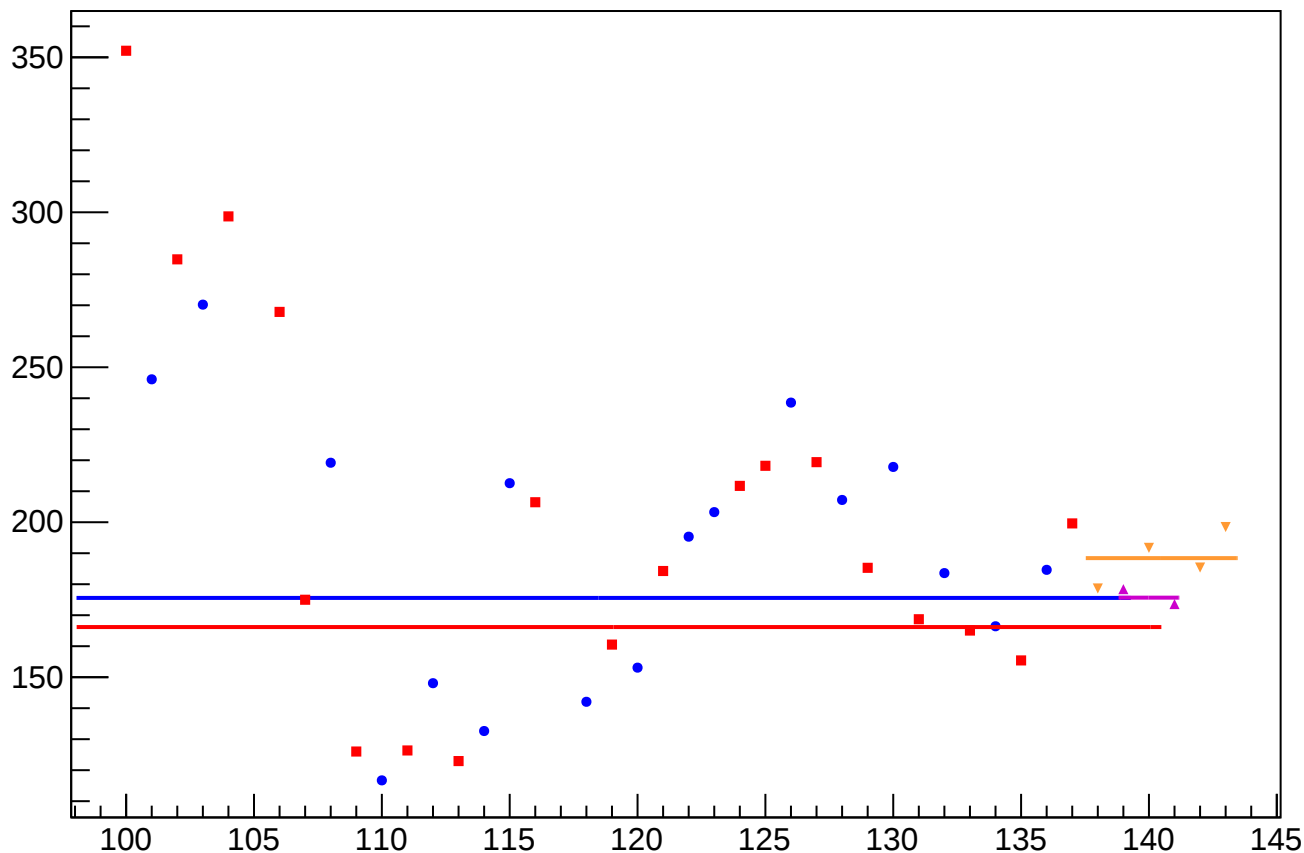
Right: -106.685+/-48.193 χ^2/NDF : 10563.0/35

In: 102.224+/-63.541 χ^2/NDF : 12027.1/18

Out: -3396.062+/-57.112 χ^2/NDF : 5817.1/22

All: -1832.788+/-42.476 χ^2/NDF : 19520.8/41

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 175.582 $\pm$ 0.050 χ^2 /NDF: 687852.4/16

Left Out: 188.421 $\pm$ 0.082 χ^2 /NDF:8902.8/3

Right Out: 166.180 $\pm$ 0.046 χ^2 /NDF: 925559.0/18

Left In: 175.667 $\pm$ 0.101 χ^2 /NDF:552.7/1

Left: 183.398 $\pm$ 0.064 χ^2 /NDF: 19063.3/5

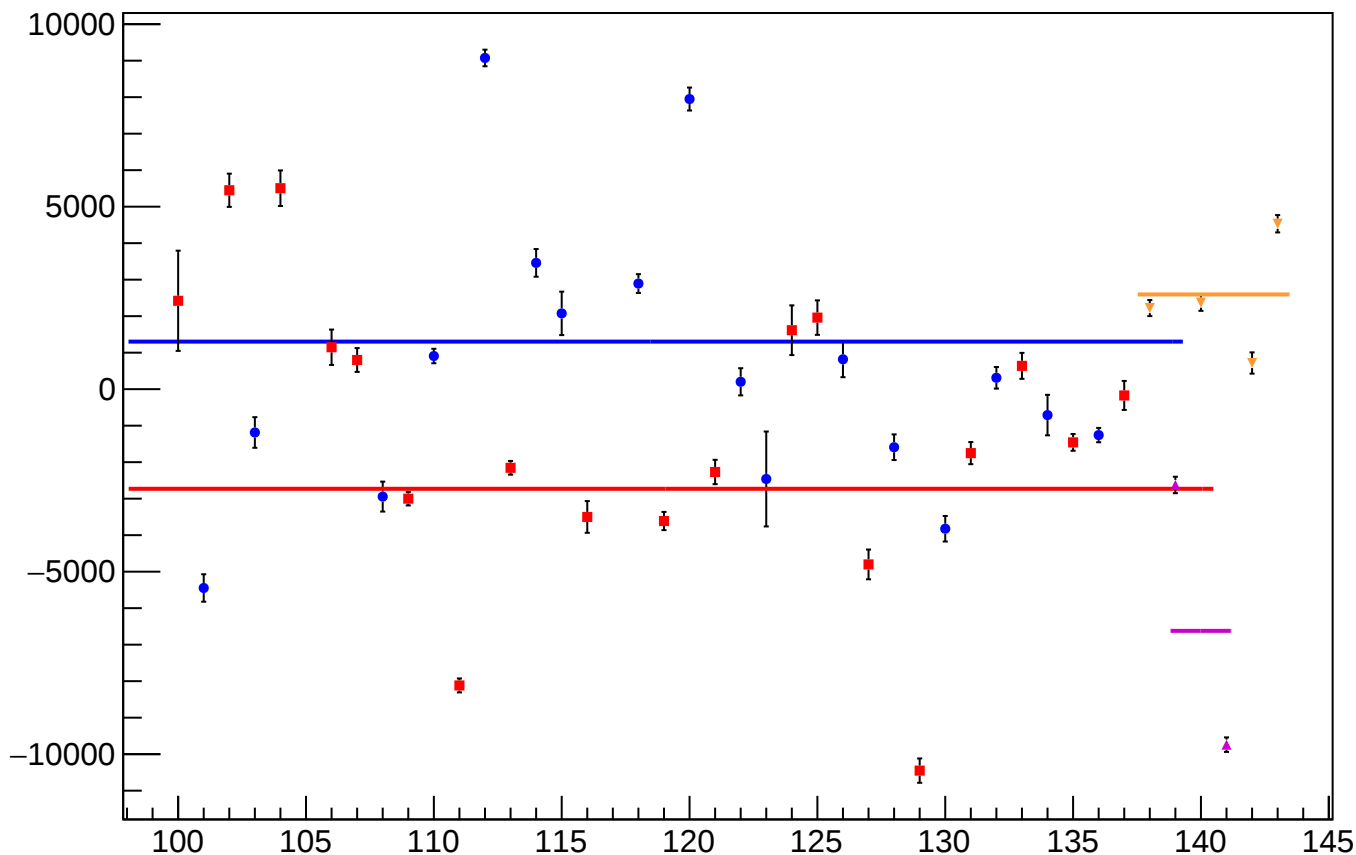
Right: 170.525 $\pm$ 0.034 χ^2 /NDF: 1632331.4/35

In: 175.599 $\pm$ 0.045 χ^2 /NDF:688405.6/18

Out: 171.620 $\pm$ 0.040 χ^2 /NDF:990502.2/22

All: 173.398 $\pm$ 0.030 χ^2 /NDF: 1683244.9/41

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1302.950+/-77.323 χ^2/NDF : 2649.9/16

Left Out: 2595.470+/-119.817 χ^2/NDF :111.5/3

Right Out: -2729.355+/-70.012 χ^2/NDF : 2497.2/18

Left In: -6621.469+/-149.168 χ^2/NDF :560.1/1

Left: -1019.109+/-93.414 χ^2/NDF : 2992.2/5

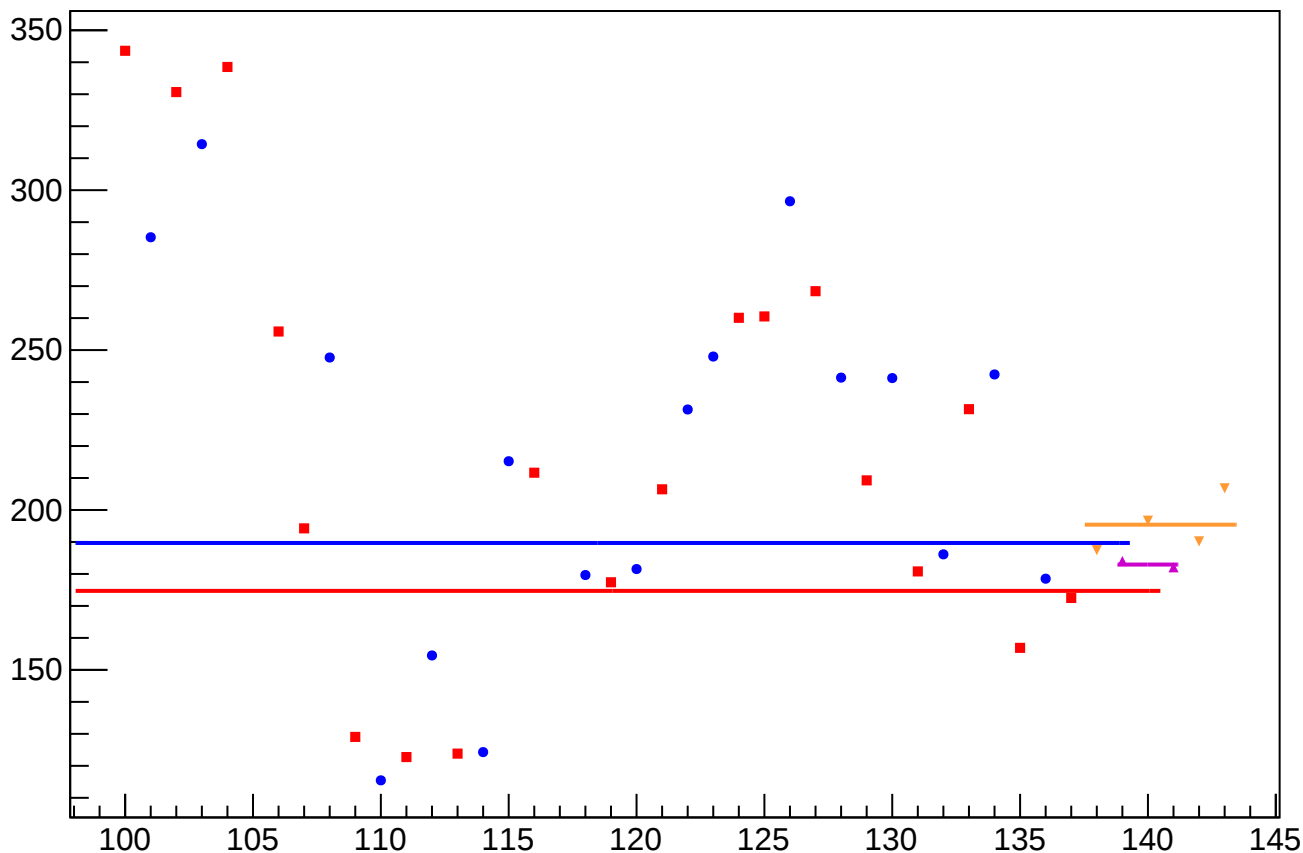
Right: -912.817+/-51.899 χ^2/NDF : 6641.4/35

In: -375.371+/-68.648 χ^2/NDF :5434.4/18

Out: -1374.048+/-60.449 χ^2/NDF :4081.0/22

All: -937.887+/-45.367 χ^2/NDF : 9634.6/41

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 189.687 $\pm$ 0.055 χ^2 /NDF: 977199.2/16

Left Out: 195.404 $\pm$ 0.085 χ^2 /NDF: 7878.6/3

Right Out: 174.707 $\pm$ 0.050 χ^2 /NDF: 1291115.5/18

Left In: 182.937 $\pm$ 0.105 χ^2 /NDF: 85.5/1

Left: 190.515 $\pm$ 0.066 χ^2 /NDF: 16455.1/5

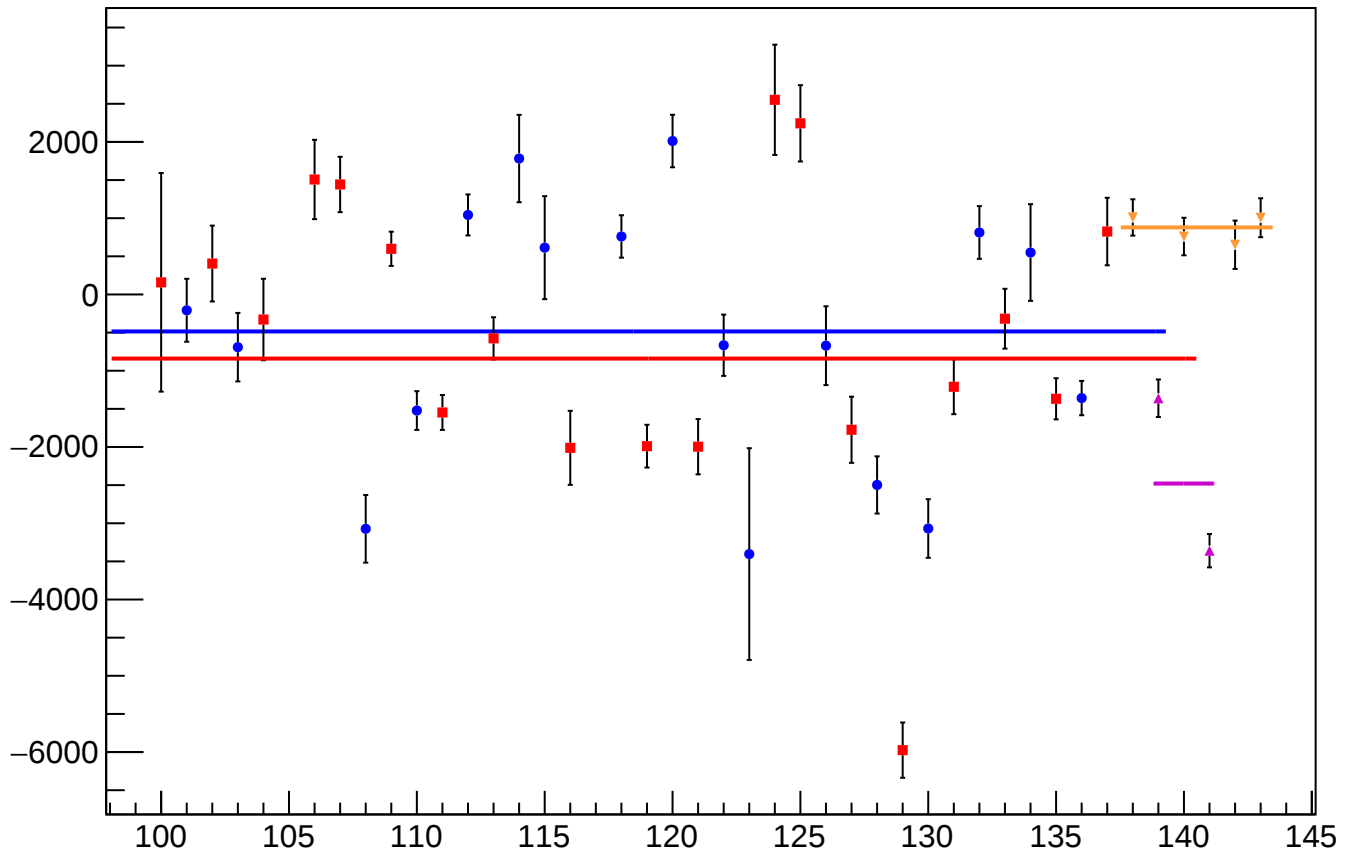
Right: 181.455 $\pm$ 0.037 χ^2 /NDF: 2309563.7/35

In: 188.257 $\pm$ 0.049 χ^2 /NDF: 980512.1/18

Out: 179.975 $\pm$ 0.043 χ^2 /NDF: 1343482.9/22

All: 183.592 $\pm$ 0.032 χ^2 /NDF: 2340394.0/41

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -485.036+/-88.788 χ^2/NDF : 285.3/16

Left Out: 879.163+/-129.658 χ^2/NDF : 1.3/3

Right Out: -840.594+/-82.233 χ^2/NDF : 438.2/18

Left In: -2479.281+/-163.427 χ^2/NDF : 36.9/1

Left: -418.168+/-101.573 χ^2/NDF : 297.3/5

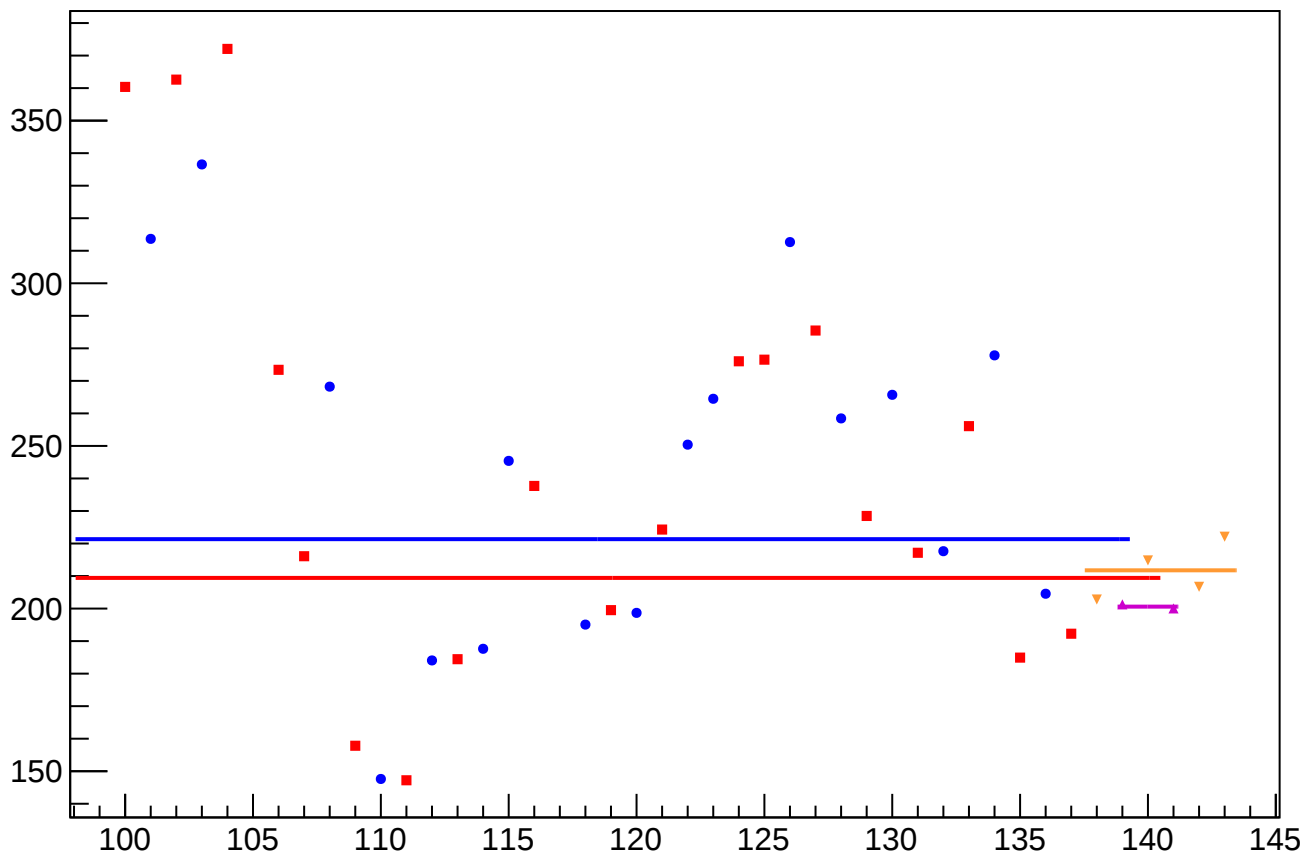
Right: -676.425+/-60.332 χ^2/NDF : 732.1/35

In: -939.520+/-78.018 χ^2/NDF : 437.1/18

Out: -347.268+/-69.444 χ^2/NDF : 565.0/22

All: -609.073+/-51.872 χ^2/NDF : 1034.3/41

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.339 ± 0.063 χ^2/NDF : 645507.4/16

Left Out: 211.760 ± 0.092 χ^2/NDF : 6932.8/3

Right Out: 209.428 ± 0.058 χ^2/NDF : 879292.0/18

Left In: 200.599 ± 0.116 χ^2/NDF : 28.6/1

Left: 207.449 ± 0.072 χ^2/NDF : 12686.7/5

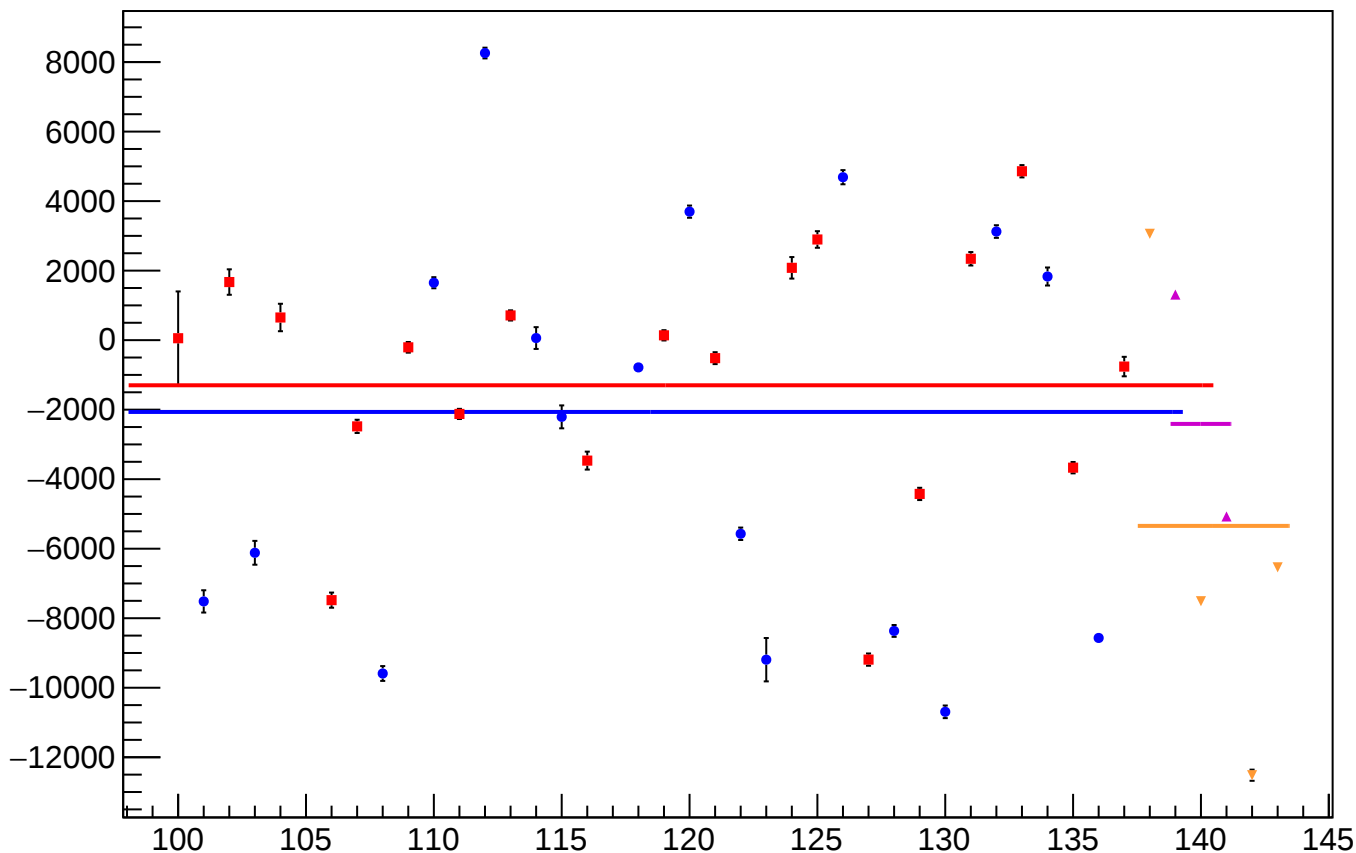
Right: 214.927 ± 0.043 χ^2/NDF : 1544173.7/35

In: 216.612 ± 0.055 χ^2/NDF : 670406.6/18

Out: 210.097 ± 0.049 χ^2/NDF : 886686.3/22

All: 212.977 ± 0.037 χ^2/NDF : 1564875.5/41

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2065.524+/-47.407 χ^2/NDF : 16535.7/16

Left Out: -5343.978+/-65.390 χ^2/NDF : 6616.3/3

Right Out: -1298.632+/-44.980 χ^2/NDF : 5909.5/18

Left In: -2410.016+/-88.461 χ^2/NDF : 1266.1/1

Left: -4307.275+/-52.584 χ^2/NDF : 8593.8/5

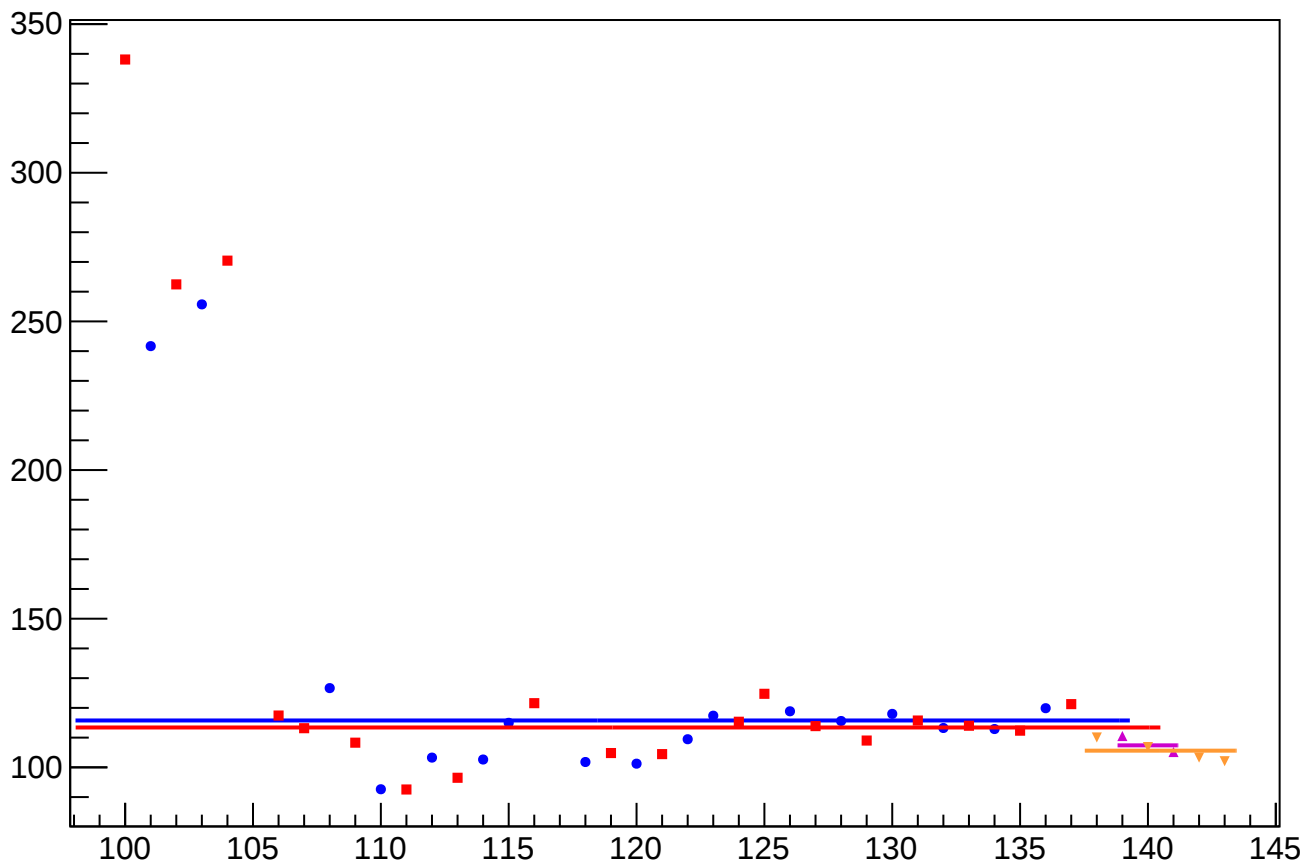
Right: -1661.949+/-32.630 χ^2/NDF : 22582.8/35

In: -2142.386+/-41.785 χ^2/NDF : 17813.6/18

Out: -2597.963+/-37.059 χ^2/NDF : 15123.7/22

All: -2397.382+/-27.726 χ^2/NDF : 33003.9/41

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 115.768 $\pm$ 0.034 χ^2/NDF : 743657.8/16

Left Out: 105.613 $\pm$ 0.046 χ^2/NDF : 4758.5/3

Right Out: 113.900 $\pm$ 0.032 χ^2/NDF : 795303.3/18

Left In: 107.399 $\pm$ 0.063 χ^2/NDF : 1798.6/1

Left: 106.244 $\pm$ 0.037 χ^2/NDF : 7084.0/5

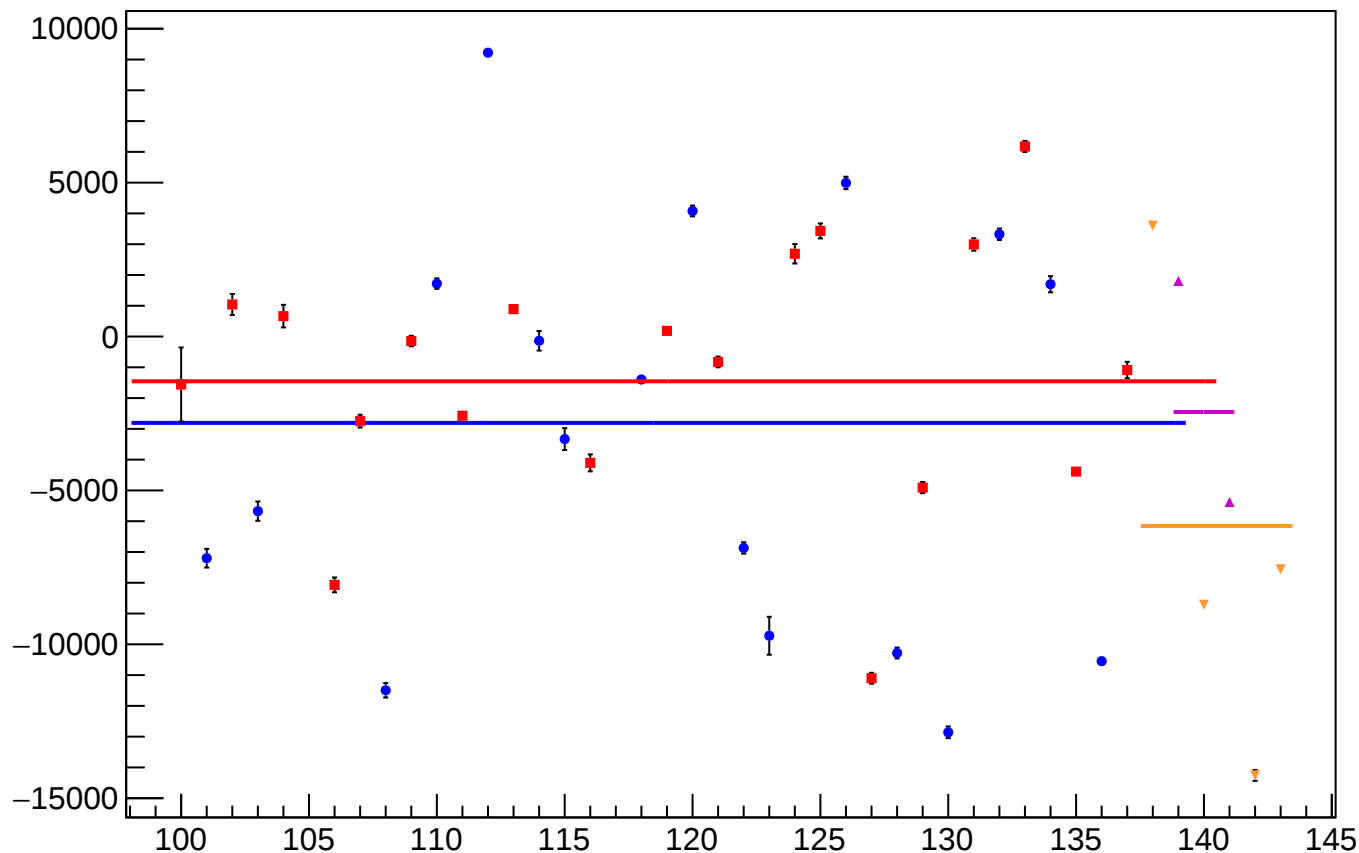
Right: 114.527 $\pm$ 0.023 χ^2/NDF : 1541564.1/35

In: 113.900 $\pm$ 0.030 χ^2/NDF : 759364.1/18

Out: 110.906 $\pm$ 0.026 χ^2/NDF : 819363.8/22

All: 112.224 $\pm$ 0.020 χ^2/NDF : 1584477.7/41

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2805.410+/-48.358 χ^2/NDF : 21259.6/16

Left Out: -6154.347+/-70.022 χ^2/NDF : 7472.5/3

Right Out: -1454.376+/-46.372 χ^2/NDF : 8020.2/18

Left In: -2451.063+/-93.058 χ^2/NDF : 1437.8/1

Left: -4815.592+/-55.951 χ^2/NDF : 9921.5/5

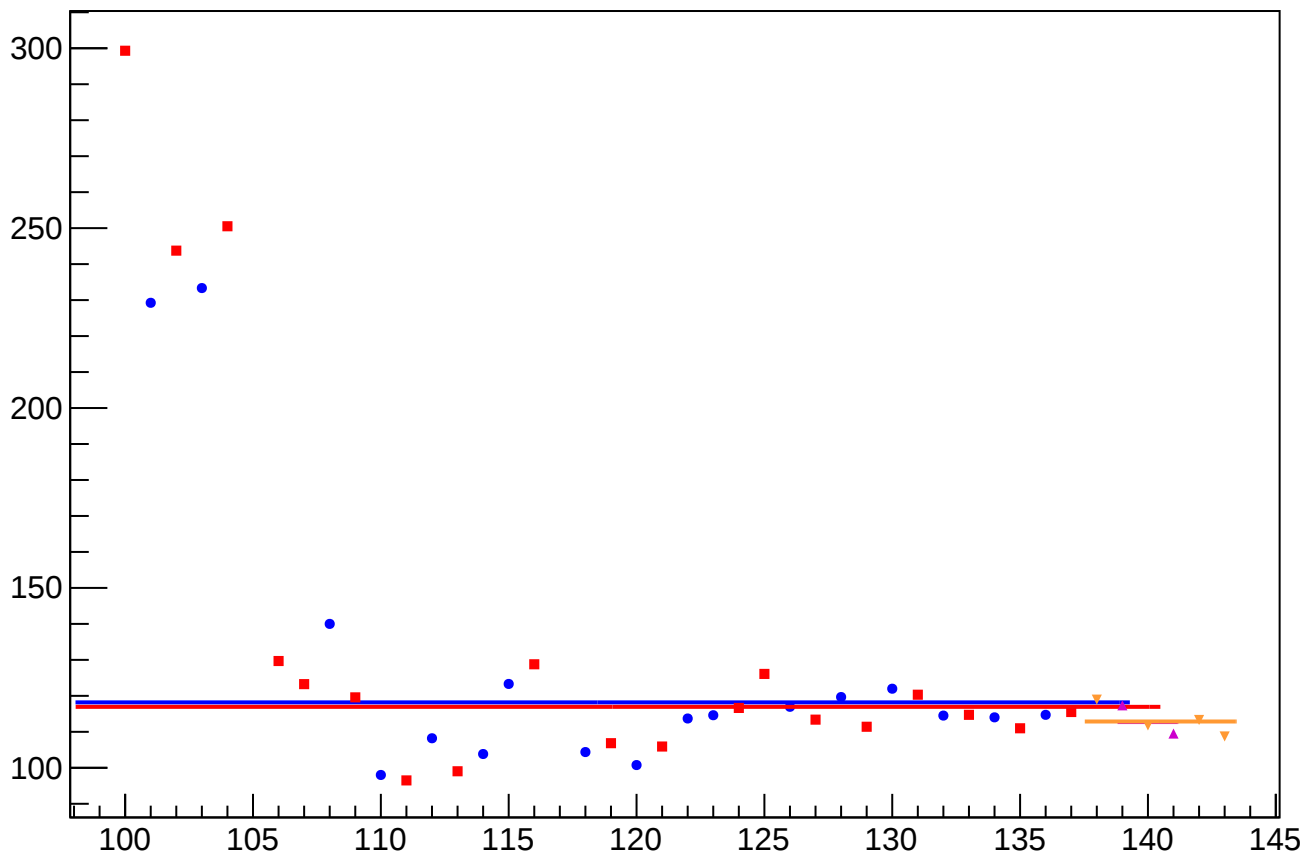
Right: -2101.578+/-33.470 χ^2/NDF : 29686.5/35

In: -2730.066+/-42.910 χ^2/NDF : 22708.9/18

Out: -2887.255+/-38.662 χ^2/NDF : 18624.5/22

All: -2816.824+/-28.723 χ^2/NDF : 41340.8/41

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.187 $\pm$ 0.034 χ^2 /NDF: 636345.5/16

Left Out: 112.871 $\pm$ 0.050 χ^2 /NDF: 6077.2/3

Right Out: 116.944 $\pm$ 0.033 χ^2 /NDF: 689368.0/18

Left In: 112.716 $\pm$ 0.066 χ^2 /NDF: 3432.6/1

Left: 112.815 $\pm$ 0.040 χ^2 /NDF: 9513.3/5

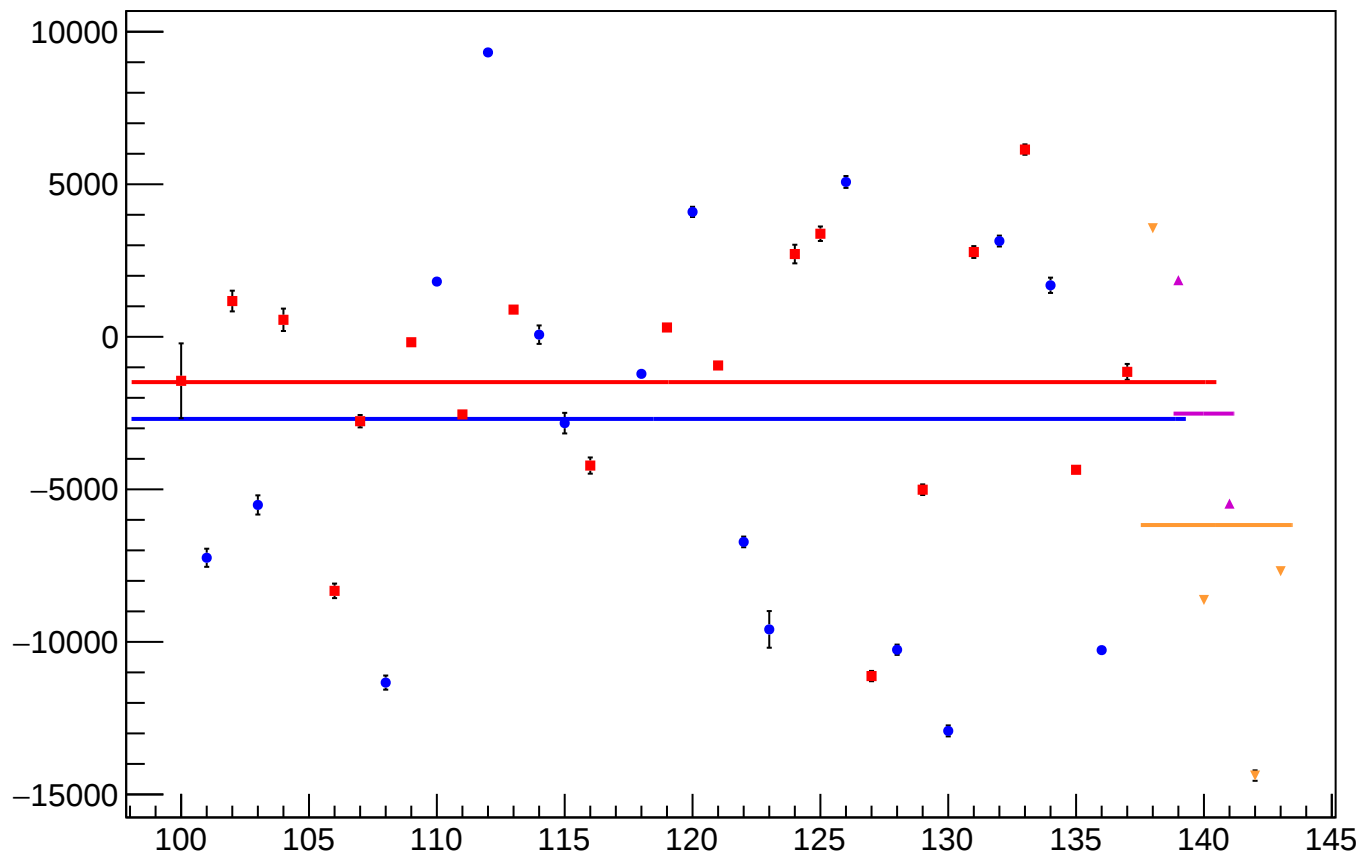
Right: 117.539 $\pm$ 0.024 χ^2 /NDF: 1326402.5/35

In: 117.024 $\pm$ 0.030 χ^2 /NDF: 645221.0/18

Out: 115.702 $\pm$ 0.027 χ^2 /NDF: 700148.9/22

All: 116.294 $\pm$ 0.020 χ^2 /NDF: 1346417.6/41

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2691.569+/-46.420 χ^2/NDF : 22847.7/16

Left Out: -6169.567+/-67.725 χ^2/NDF : 8036.2/3

Right Out: -1484.889+/-44.421 χ^2/NDF : 8724.0/18

Left In: -2517.322+/-89.418 χ^2/NDF : 1613.6/1

Left: -4838.195+/-53.988 χ^2/NDF : 10709.9/5

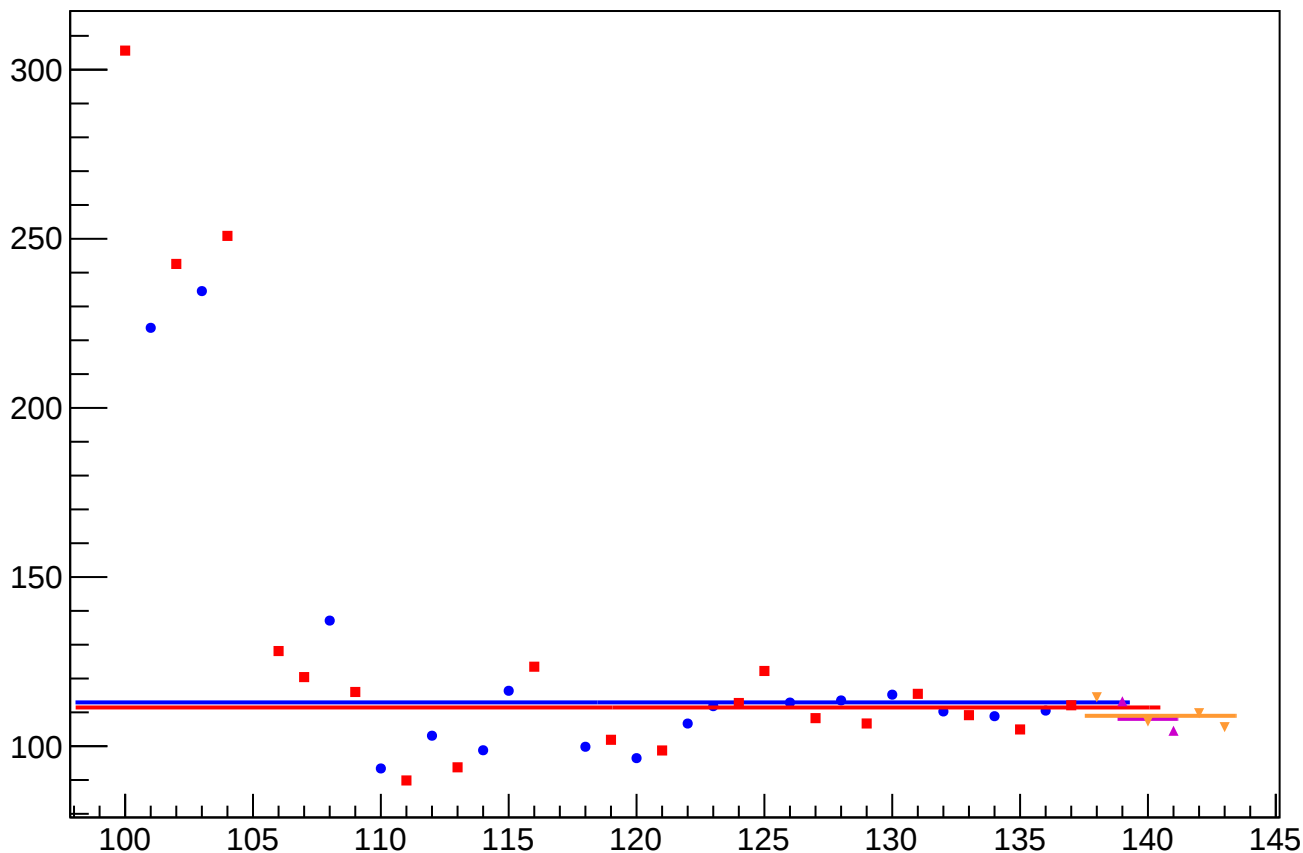
Right: -2061.688+/-32.094 χ^2/NDF : 31924.4/35

In: -2654.579+/-41.199 χ^2/NDF : 24464.2/18

Out: -2894.021+/-37.144 χ^2/NDF : 20105.7/22

All: -2786.661+/-27.587 χ^2/NDF : 44588.6/41

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 112.944+/-0.033 χ^2/NDF : 680438.6/16

Left Out: 108.978+/-0.048 χ^2/NDF : 5196.4/3

Right Out: 111.444+/-0.031 χ^2/NDF : 764132.1/18

Left In: 108.072+/-0.063 χ^2/NDF : 4564.4/1

Left: 108.648+/-0.038 χ^2/NDF : 9891.5/5

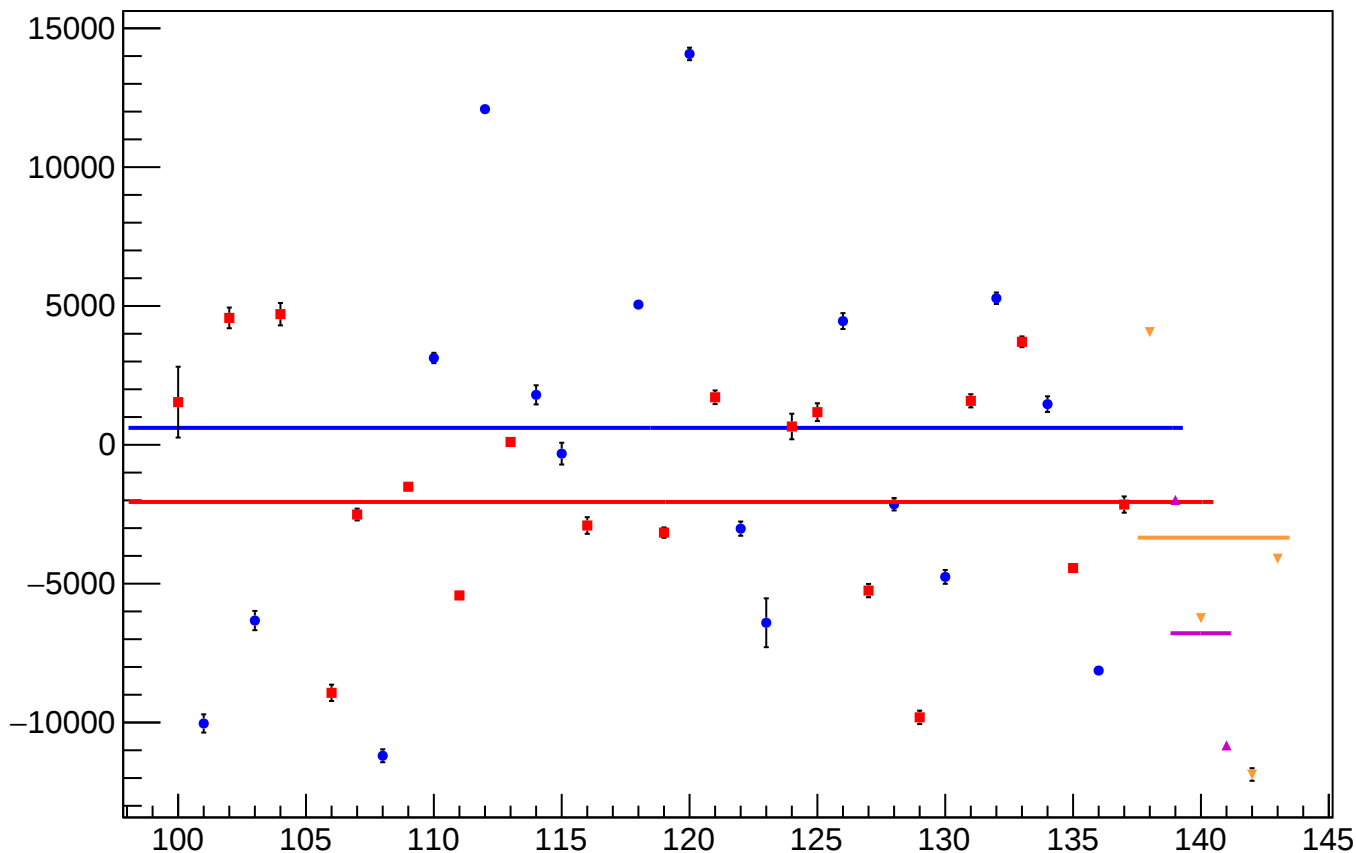
Right: 112.161+/-0.023 χ^2/NDF : 1445660.4/35

In: 111.910+/-0.029 χ^2/NDF : 689680.3/18

Out: 110.702+/-0.026 χ^2/NDF : 771182.6/22

All: 111.244+/-0.020 χ^2/NDF : 1461810.1/41

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 610.939+/-56.154 χ^2/NDF : 18248.2/16

Left Out: -3342.520+/-87.896 χ^2/NDF : 3890.5/3

Right Out: -2057.548+/-53.904 χ^2/NDF : 4649.5/18

Left In: -6784.961+/-117.134 χ^2/NDF : 1413.1/1

Left: -4582.629+/-70.304 χ^2/NDF : 5856.2/5

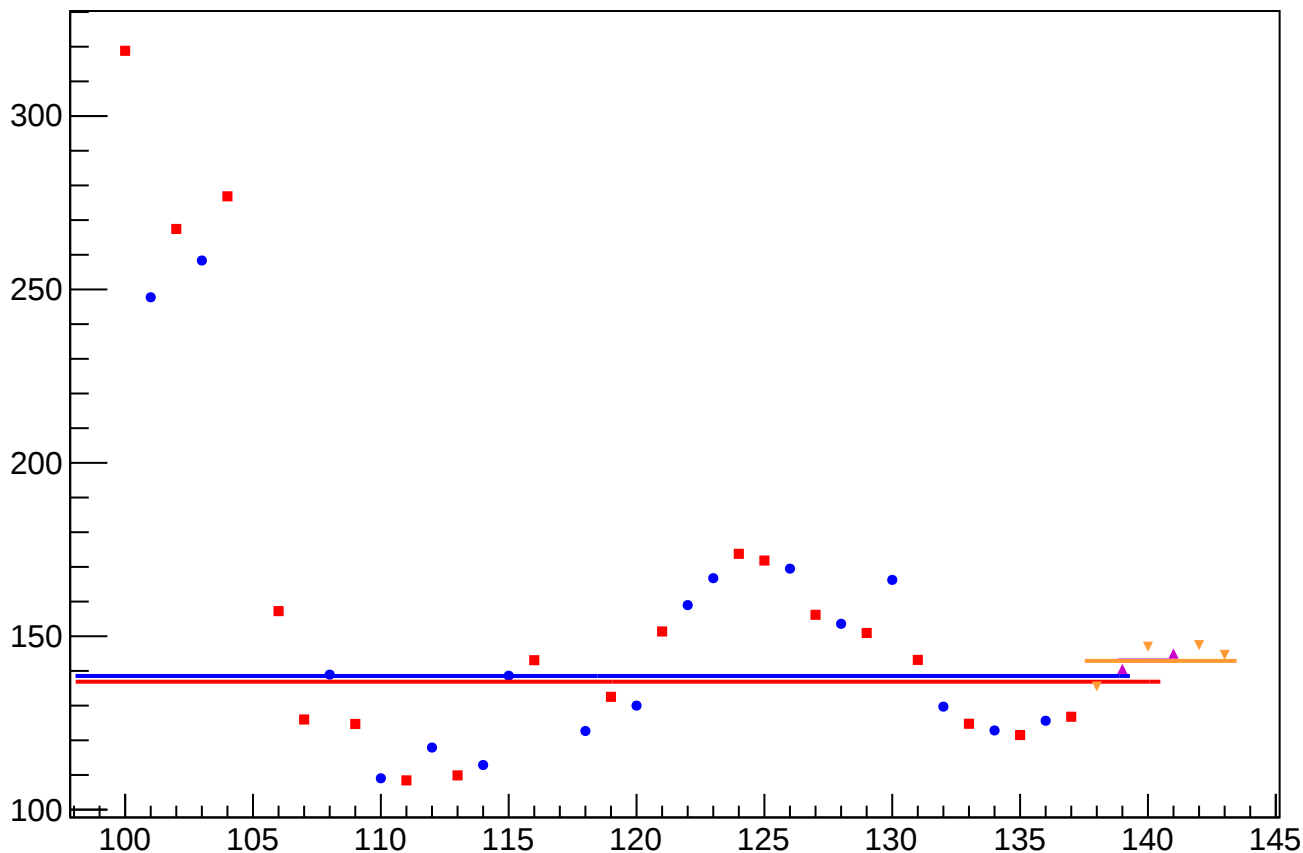
Right: -777.832+/-38.887 χ^2/NDF : 24073.0/35

In: -771.172+/-50.636 χ^2/NDF : 22903.0/18

Out: -2408.741+/-45.951 χ^2/NDF : 8695.4/22

All: -1669.196+/-34.028 χ^2/NDF : 32171.9/41

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 138.549 $\pm$ 0.040 χ^2 /NDF: 667663.4/16

Left Out: 142.896 $\pm$ 0.062 χ^2 /NDF: 6494.5/3

Right Out: 136.895 $\pm$ 0.038 χ^2 /NDF: 751443.4/18

Left In: 143.014 $\pm$ 0.083 χ^2 /NDF: 712.7/1

Left: 142.938 $\pm$ 0.050 χ^2 /NDF: 7208.6/5

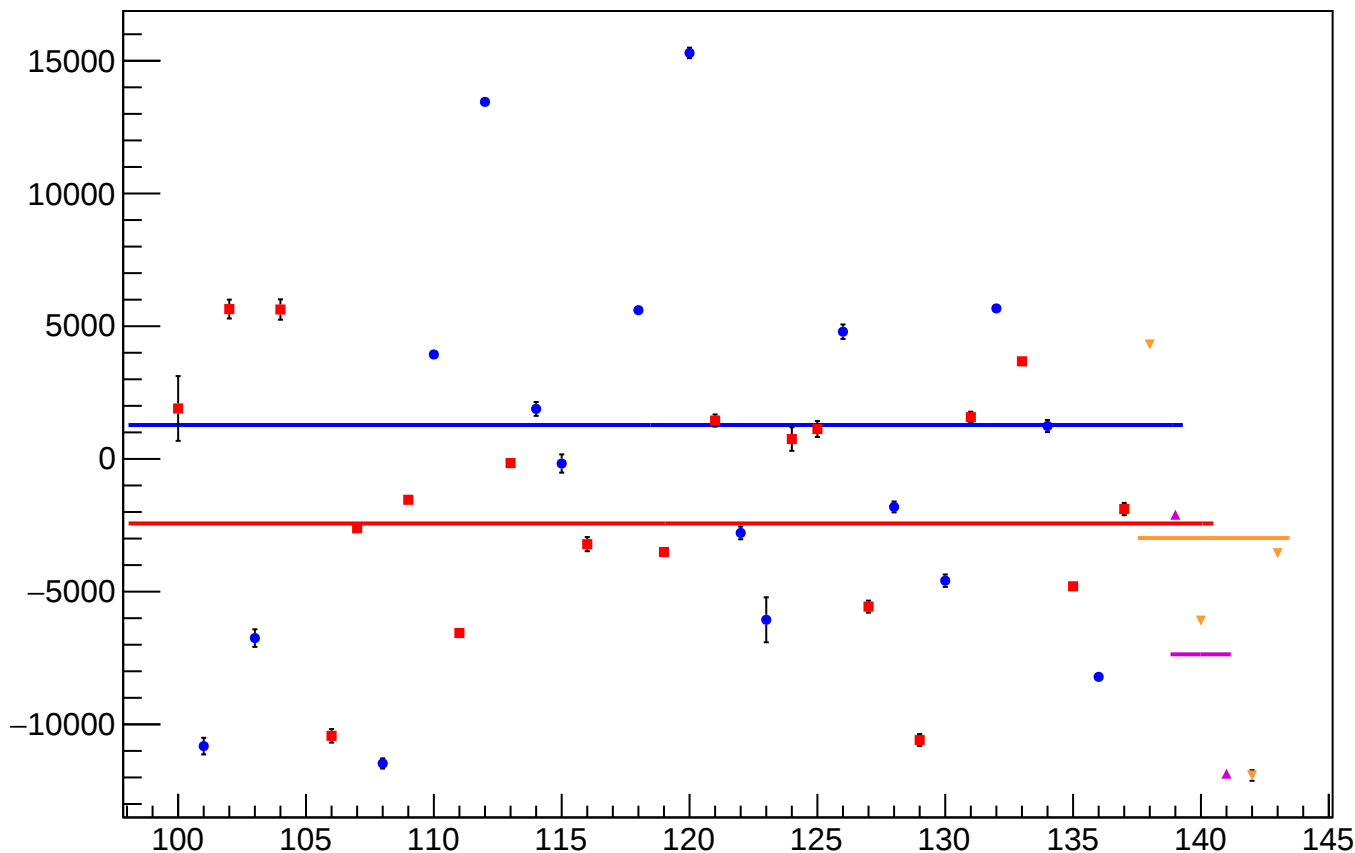
Right: 137.688 $\pm$ 0.027 χ^2 /NDF: 1420010.0/35

In: 139.384 $\pm$ 0.036 χ^2 /NDF: 670738.7/18

Out: 138.535 $\pm$ 0.032 χ^2 /NDF: 764711.4/22

All: 138.918 $\pm$ 0.024 χ^2 /NDF: 1435758.1/41

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1277.751+/-46.646 χ^2/NDF : 30549.2/16

Left Out: -2980.625+/-76.736 χ^2/NDF : 5310.8/3

Right Out: -2430.297+/-44.264 χ^2/NDF : 7696.9/18

Left In: -7361.346+/-100.709 χ^2/NDF : 2331.5/1

Left: -4589.772+/-61.037 χ^2/NDF : 8839.4/5

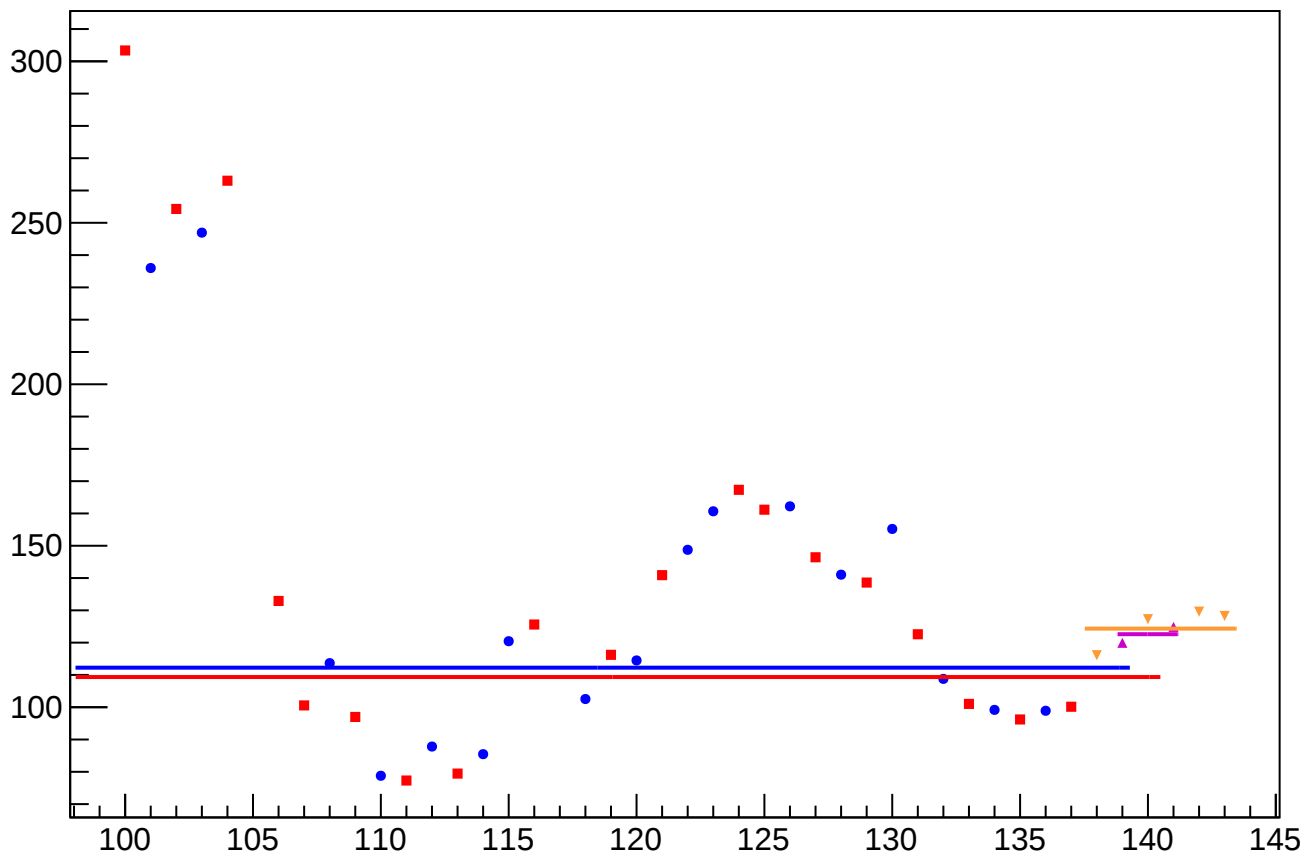
Right: -673.335+/-32.109 χ^2/NDF : 41571.1/35

In: -248.233+/-42.326 χ^2/NDF : 38939.6/18

Out: -2567.696+/-38.343 χ^2/NDF : 13046.3/22

All: -1522.220+/-28.417 χ^2/NDF : 53635.3/41

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 112.247+/-0.033 χ^2/NDF : 1123602.1/16

Left Out: 124.345+/-0.054 χ^2/NDF :10851.1/3

Right Out: 109.351+/-0.031 χ^2/NDF : 1263029.6/18

Left In: 122.610+/-0.071 χ^2/NDF :1188.0/1

Left: 123.707+/-0.043 χ^2/NDF : 12414.3/5

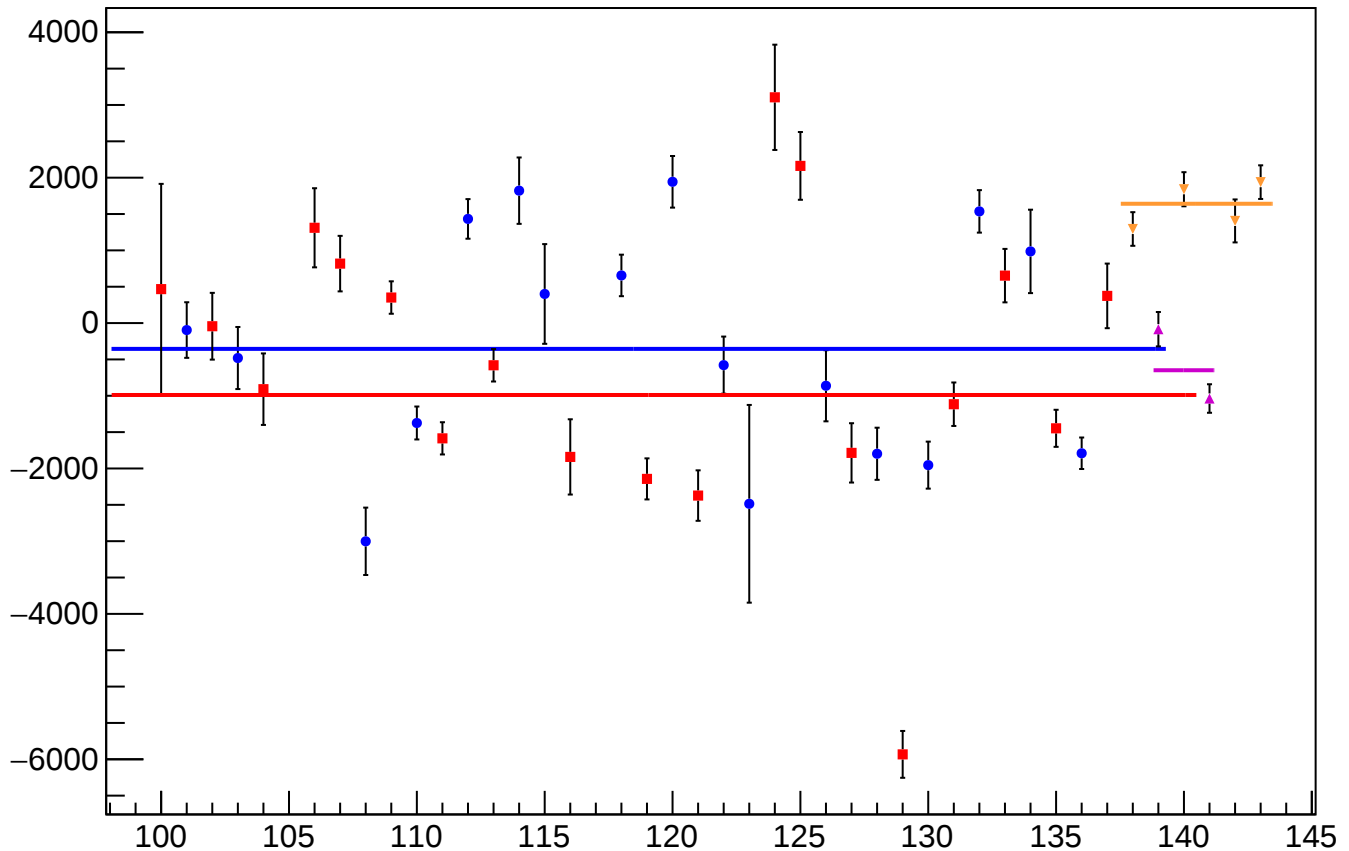
Right: 110.723+/-0.023 χ^2/NDF : 2390689.7/35

In: 114.078+/-0.030 χ^2/NDF :1142226.1/18

Out: 113.094+/-0.027 χ^2/NDF :1331173.4/22

All: 113.538+/-0.020 χ^2/NDF : 2473992.8/41

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -354.938+/-84.016 χ^2/NDF : 310.6/16

Left Out: 1641.150+/-122.172 χ^2/NDF : 5.3/3

Right Out: -989.192+/-77.653 χ^2/NDF : 477.2/18

Left In: -648.793+/-150.976 χ^2/NDF : 9.6/1

Left: 735.001+/-94.972 χ^2/NDF : 153.9/5

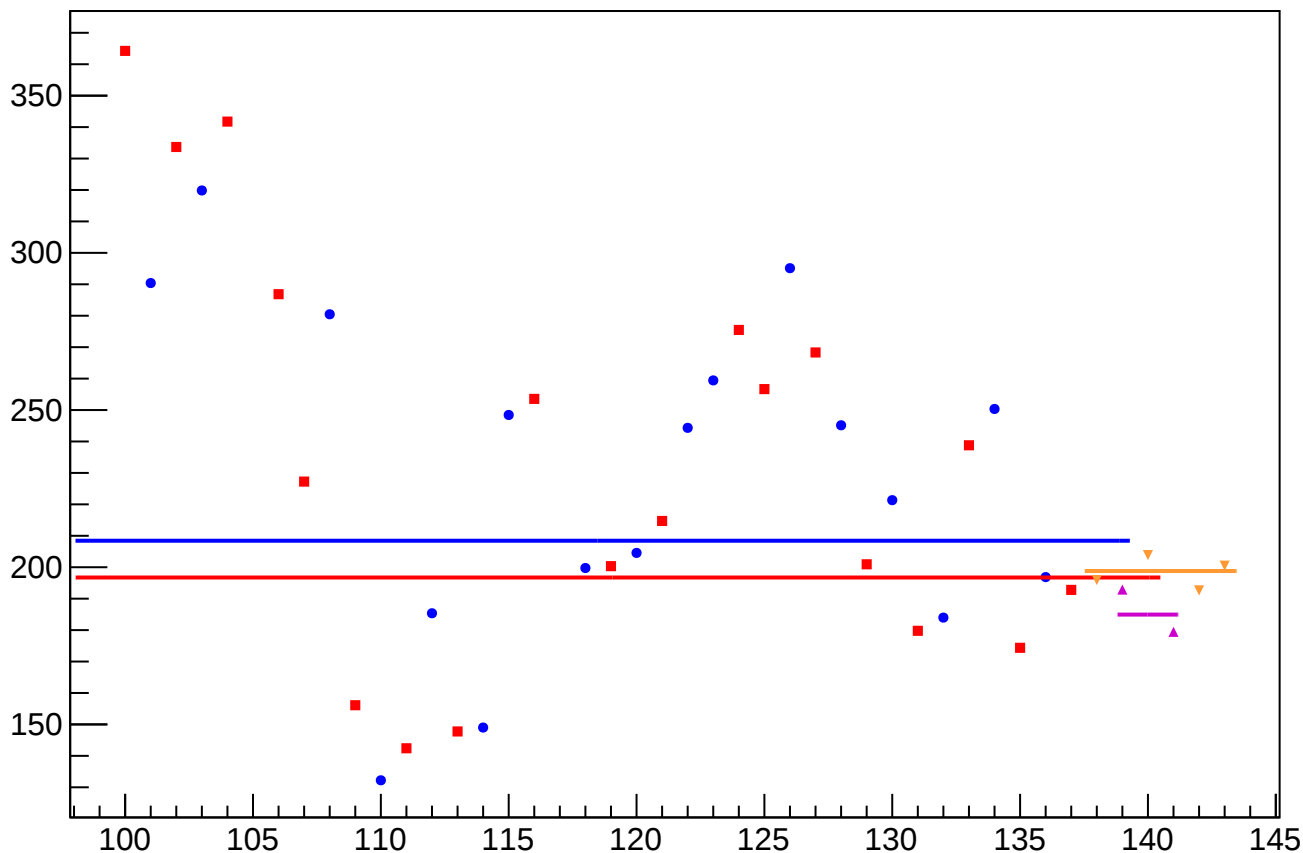
Right: -696.988+/-57.026 χ^2/NDF : 818.5/35

In: -424.420+/-73.414 χ^2/NDF : 323.1/18

Out: -232.323+/-65.535 χ^2/NDF : 812.6/22

All: -317.515+/-48.889 χ^2/NDF : 1139.5/41

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.429 ± 0.059 χ^2/NDF : 696957.4/16

Left Out: 198.797 ± 0.086 χ^2/NDF : 2220.1/3

Right Out: 196.731 ± 0.055 χ^2/NDF : 925461.3/18

Left In: 184.936 ± 0.107 χ^2/NDF : 3829.1/1

Left: 193.312 ± 0.067 χ^2/NDF : 16236.4/5

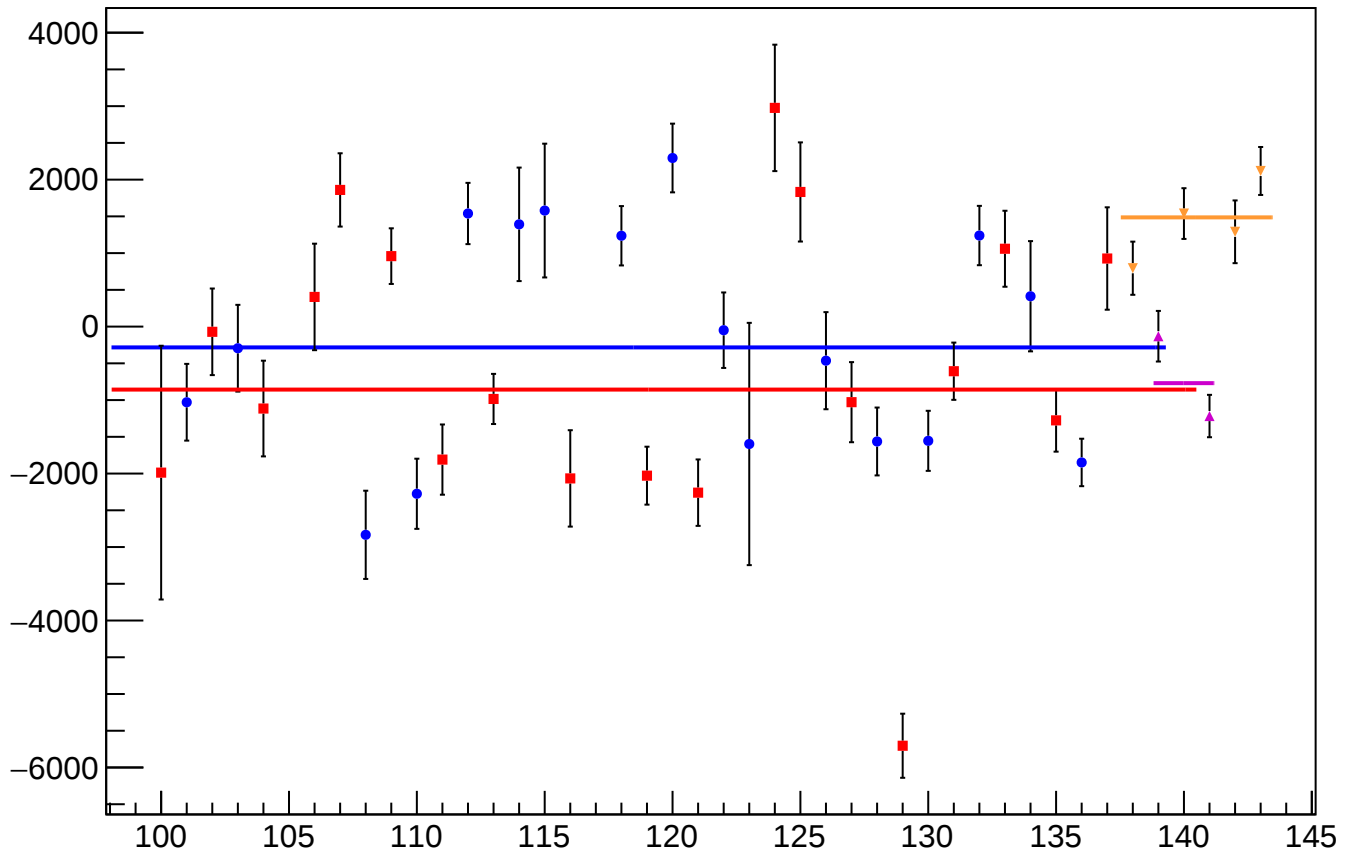
Right: 202.120 ± 0.040 χ^2/NDF : 1643330.9/35

In: 202.874 ± 0.052 χ^2/NDF : 737764.6/18

Out: 197.325 ± 0.046 χ^2/NDF : 928088.9/22

All: 199.786 ± 0.035 χ^2/NDF : 1672212.3/41

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -283.146+/-121.564 χ^2/NDF : 166.9/16

Left Out: 1486.304+/-179.865 χ^2/NDF : 7.6/3

Right Out: -857.162+/-115.341 χ^2/NDF : 265.0/18

Left In: -769.538+/-221.135 χ^2/NDF : 5.8/1

Left: 588.119+/-139.536 χ^2/NDF : 76.1/5

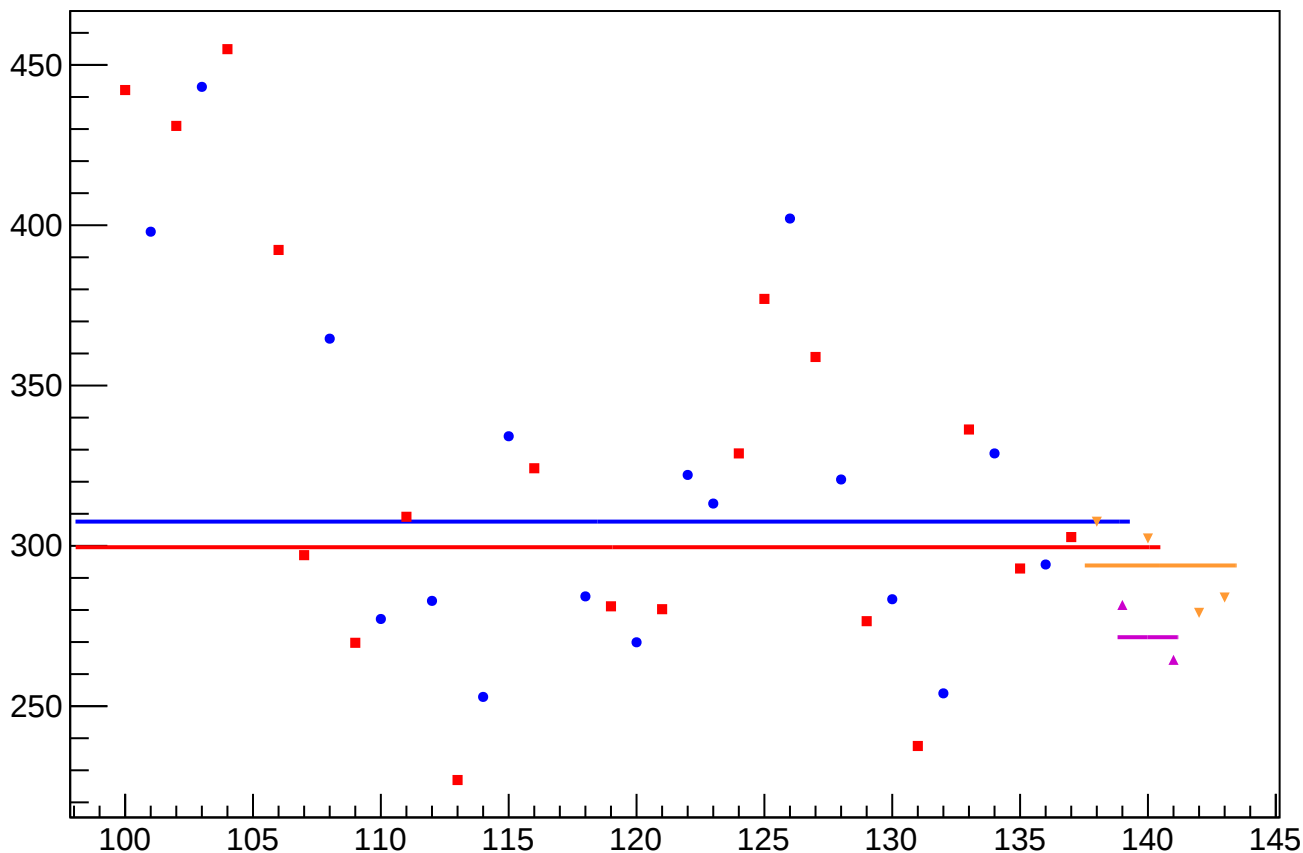
Right: -585.220+/-83.672 χ^2/NDF : 443.7/35

In: -396.022+/-106.528 χ^2/NDF : 176.5/18

Out: -174.288+/-97.093 χ^2/NDF : 393.0/22

All: -274.902+/-71.759 χ^2/NDF : 571.8/41

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 307.566 ± 0.086 χ^2/NDF : 321522.0/16

Left Out: 293.883 ± 0.127 χ^2/NDF : 8309.9/3

Right Out: 299.577 ± 0.082 χ^2/NDF : 493549.3/18

Left In: 271.511 ± 0.156 χ^2/NDF : 2905.0/1

Left: 284.975 ± 0.099 χ^2/NDF : 23535.1/5

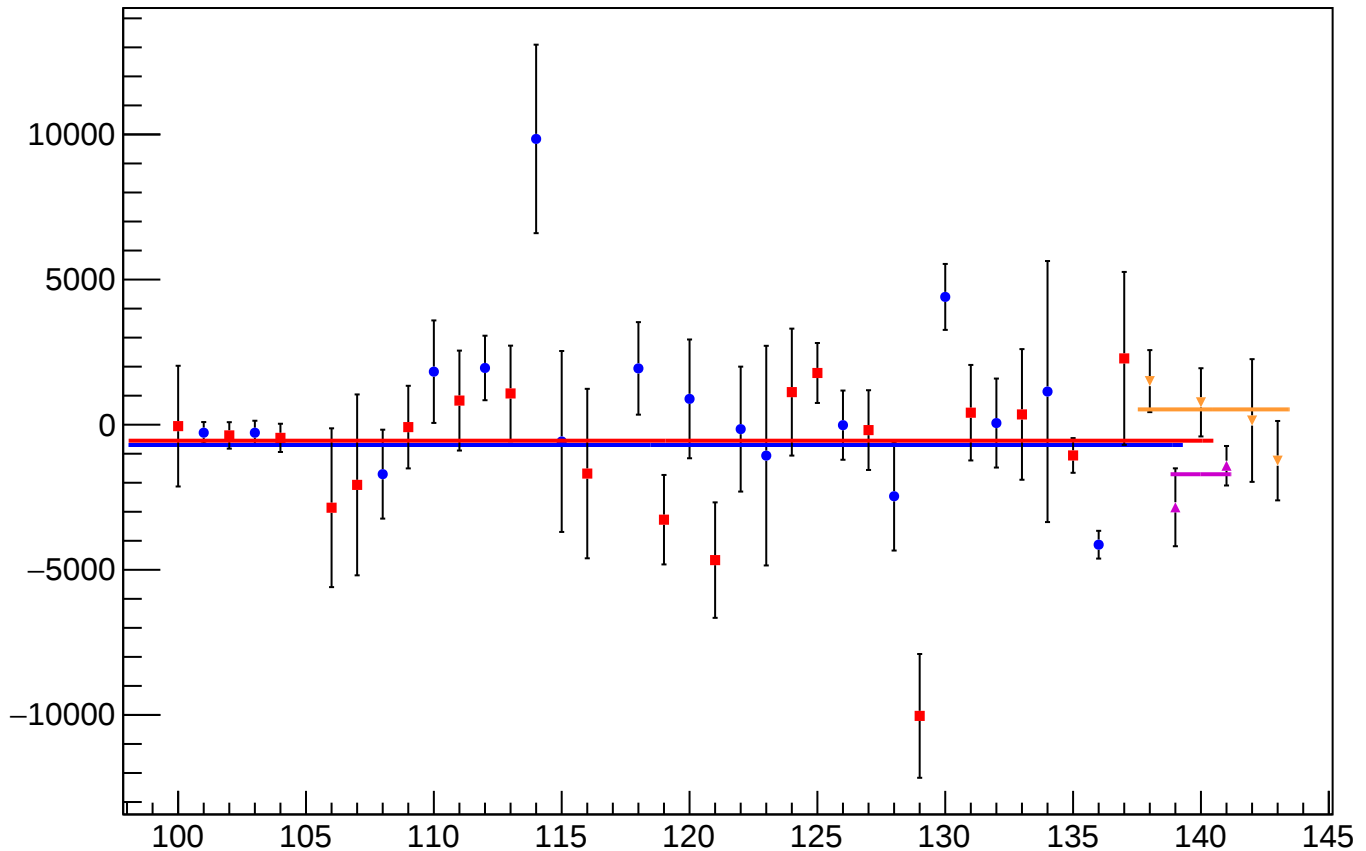
Right: 303.362 ± 0.059 χ^2/NDF : 819617.4/35

In: 299.199 ± 0.075 χ^2/NDF : 365257.3/18

Out: 297.918 ± 0.069 χ^2/NDF : 503279.4/22

All: 298.499 ± 0.051 χ^2/NDF : 868694.7/41

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -699.406+/-210.504 χ^2/NDF : 97.9/16

Left Out: 526.824+/-651.178 χ^2/NDF : 2.6/3

Right Out: -551.457+/-243.420 χ^2/NDF : 38.1/18

Left In: -1706.979+/-606.977 χ^2/NDF : 0.9/1

Left: -668.459+/-444.002 χ^2/NDF : 9.8/5

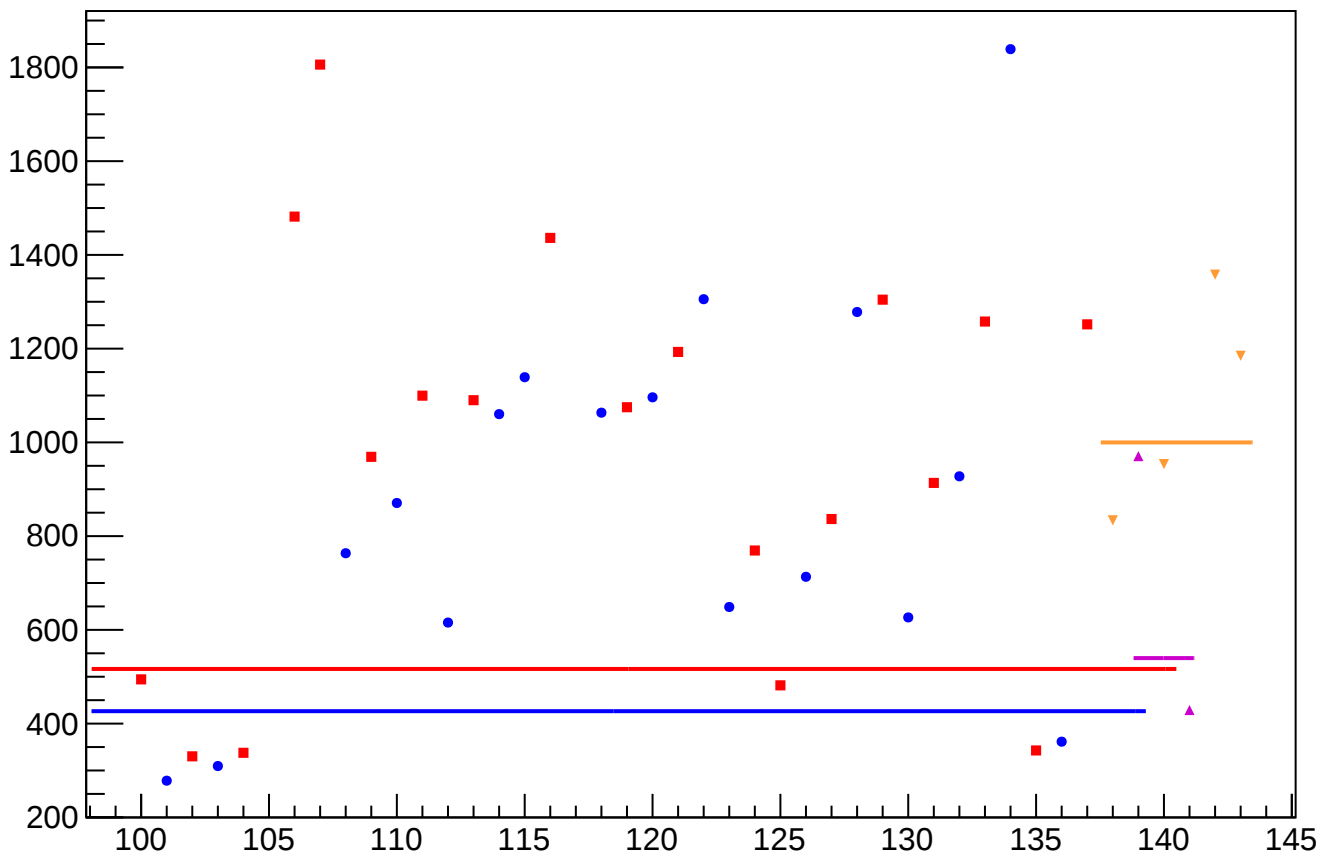
Right: -636.104+/-159.224 χ^2/NDF : 136.3/35

In: -807.582+/-198.883 χ^2/NDF : 101.3/18

Out: -419.254+/-228.010 χ^2/NDF : 43.1/22

All: -639.791+/-149.878 χ^2/NDF : 146.0/41

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Left: 753.691 +/- 0.314 χ^2/NDF : 938941.1/5

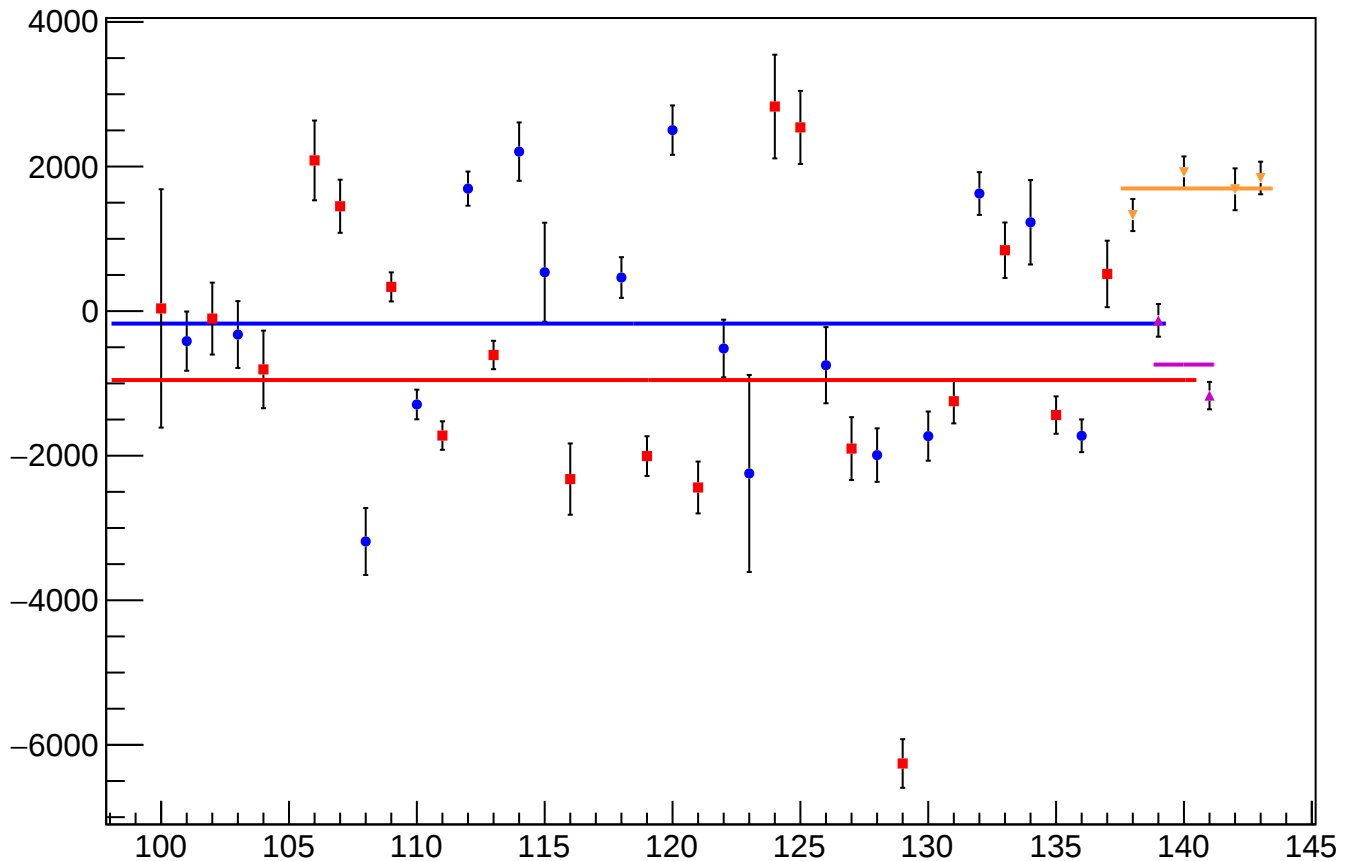
Right: 465.062 +/- 0.113 χ^2/NDF : 6617785.8/35

In: 438.681 +/- 0.141 χ^2/NDF : 3184476.7/18

Out: 575.853 +/- 0.161 χ^2/NDF : 4710018.4/22

All: 497.951 +/- 0.106 χ^2/NDF : 8305582.3/41

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -172.521+/-82.544 χ^2/NDF : 376.5/16

Left Out: 1696.457+/-117.068 χ^2/NDF : 4.2/3

Right Out: -953.457+/-75.104 χ^2/NDF : 541.2/18

Left In: -739.555+/-145.257 χ^2/NDF : 12.4/1

Left: 737.231+/-91.150 χ^2/NDF : 187.2/5

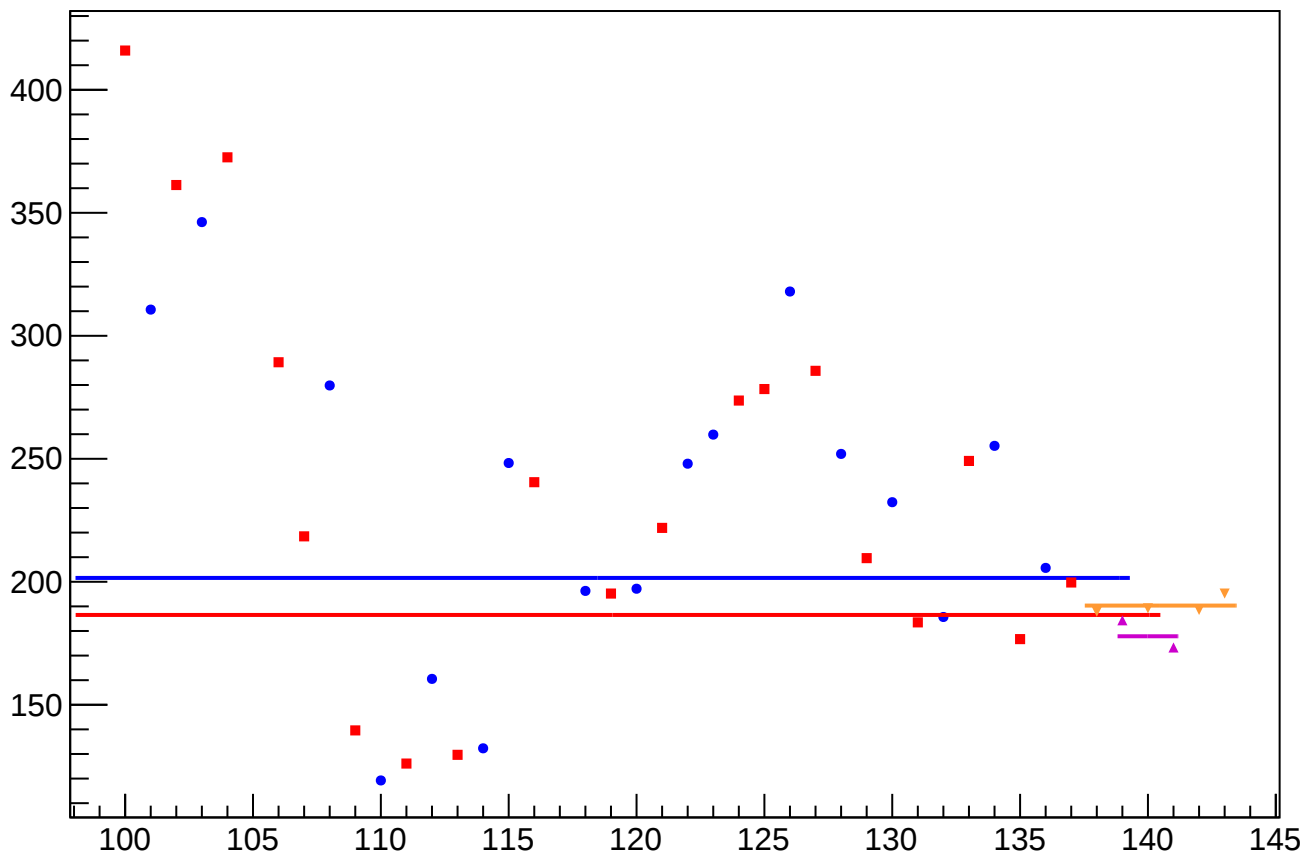
Right: -599.765+/-55.551 χ^2/NDF : 966.7/35

In: -310.933+/-71.766 χ^2/NDF : 400.5/18

Out: -180.823+/-63.214 χ^2/NDF : 908.4/22

All: -237.667+/-47.436 χ^2/NDF : 1310.7/41

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 201.572 $\pm$ 0.058 χ^2/NDF : 1052330.1/16

Left Out: 190.330 $\pm$ 0.083 χ^2/NDF :1321.1/3

Right Out: 186.520 $\pm$ 0.053 χ^2/NDF : 1388400.1/18

Left In: 177.851 $\pm$ 0.103 χ^2/NDF :2805.9/1

Left: 185.416 $\pm$ 0.064 χ^2/NDF : 13076.7/5

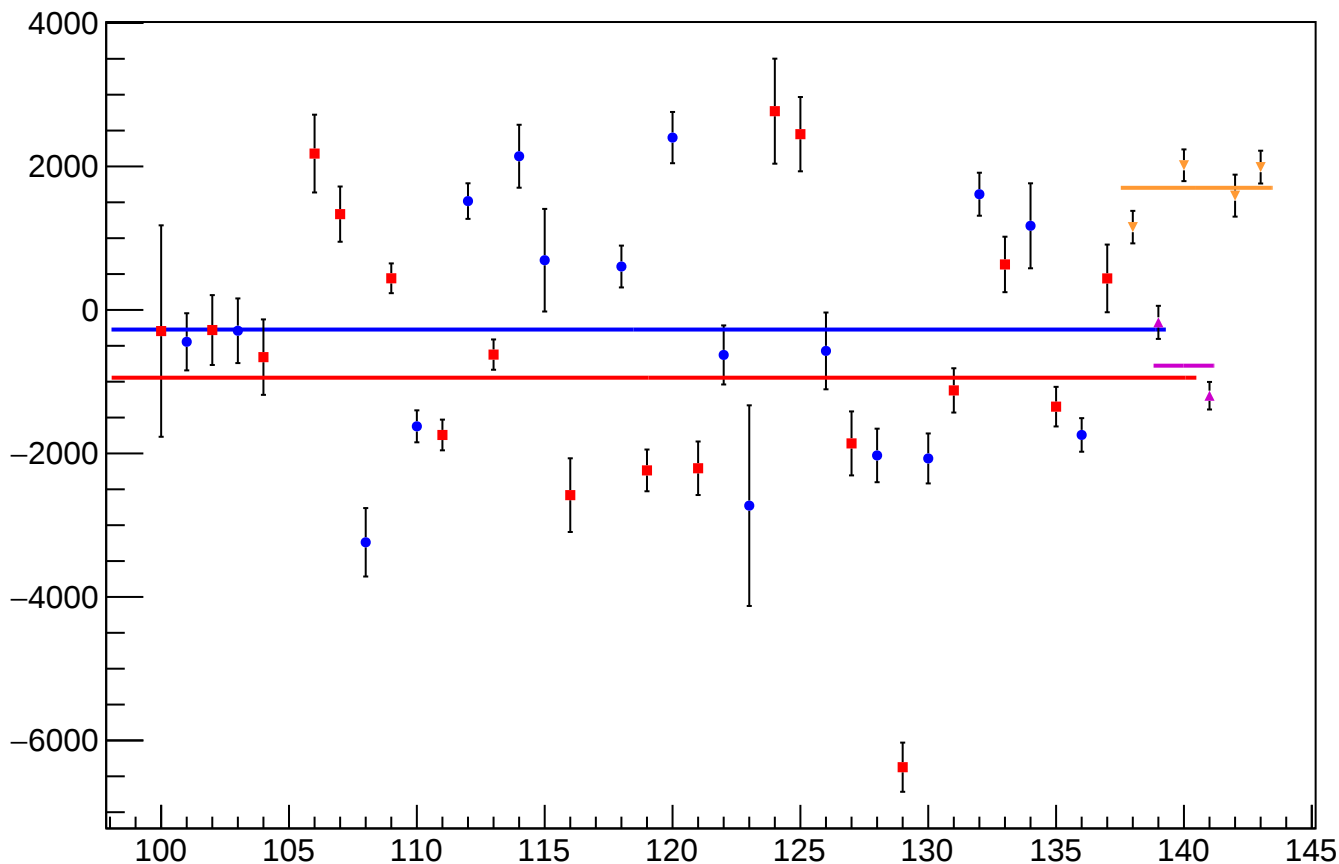
Right: 193.337 $\pm$ 0.039 χ^2/NDF : 2477113.4/35

In: 195.782 $\pm$ 0.051 χ^2/NDF :1095453.6/18

Out: 187.631 $\pm$ 0.045 χ^2/NDF :1391222.3/22

All: 191.192 $\pm$ 0.034 χ^2/NDF : 2501202.3/41

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -273.296 ± 85.630 χ^2/NDF : 362.8/16

Left Out: 1702.165 ± 118.852 χ^2/NDF : 9.6/3

Right Out: -944.335 ± 78.399 χ^2/NDF : 524.4/18

Left In: -776.840 ± 147.571 χ^2/NDF : 11.6/1

Left: 726.817 ± 92.564 χ^2/NDF : 192.4/5

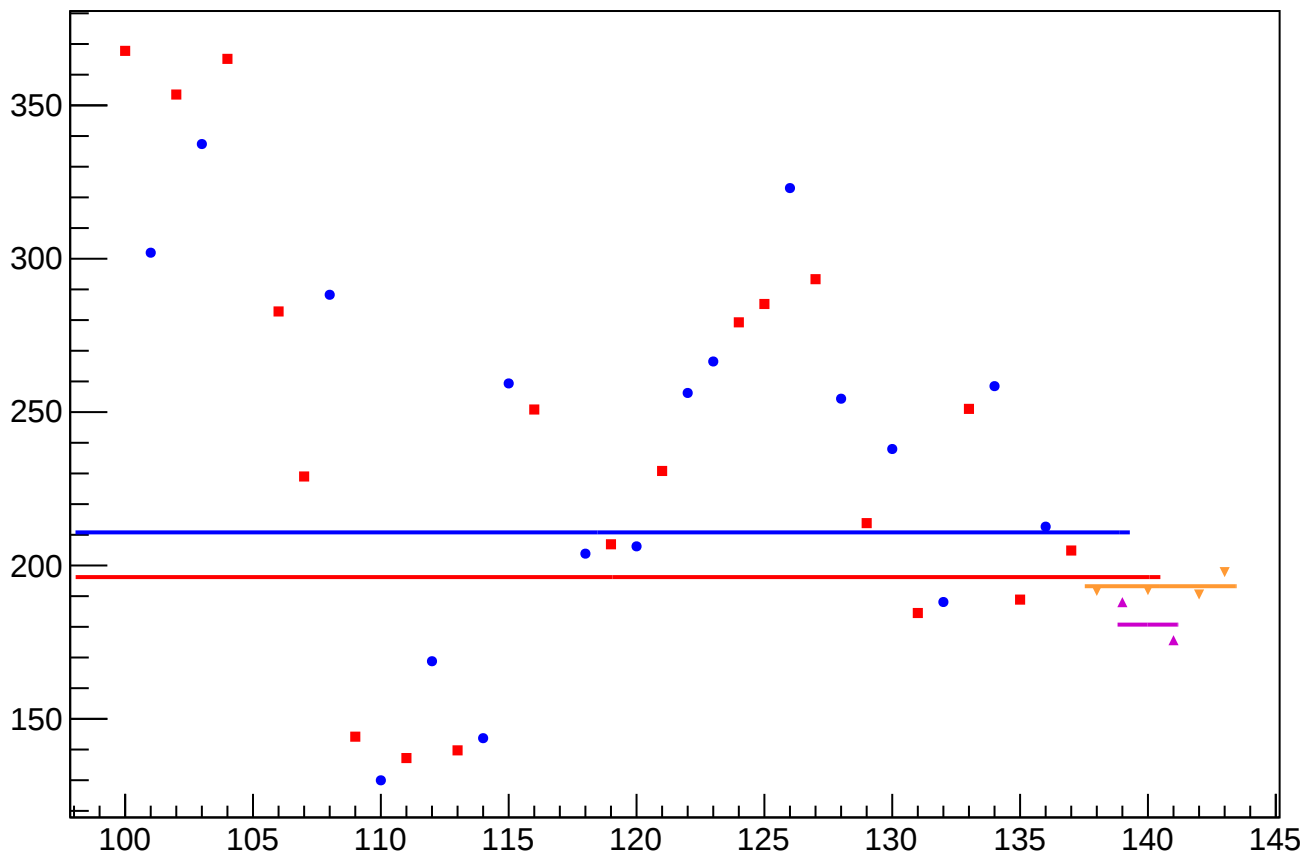
Right: -638.342 ± 57.824 χ^2/NDF : 920.6/35

In: -400.135 ± 74.064 χ^2/NDF : 383.1/18

Out: -141.939 ± 65.443 χ^2/NDF : 879.5/22

All: -255.142 ± 49.041 χ^2/NDF : 1269.4/41

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 210.791 $\pm$ 0.061 χ^2 /NDF: 873120.0/16

Left Out: 193.240 $\pm$ 0.084 χ^2 /NDF:1137.6/3

Right Out: 196.216 $\pm$ 0.055 χ^2 /NDF: 1201600.7/18

Left In: 180.721 $\pm$ 0.104 χ^2 /NDF:3417.4/1

Left: 188.315 $\pm$ 0.065 χ^2 /NDF: 13285.5/5

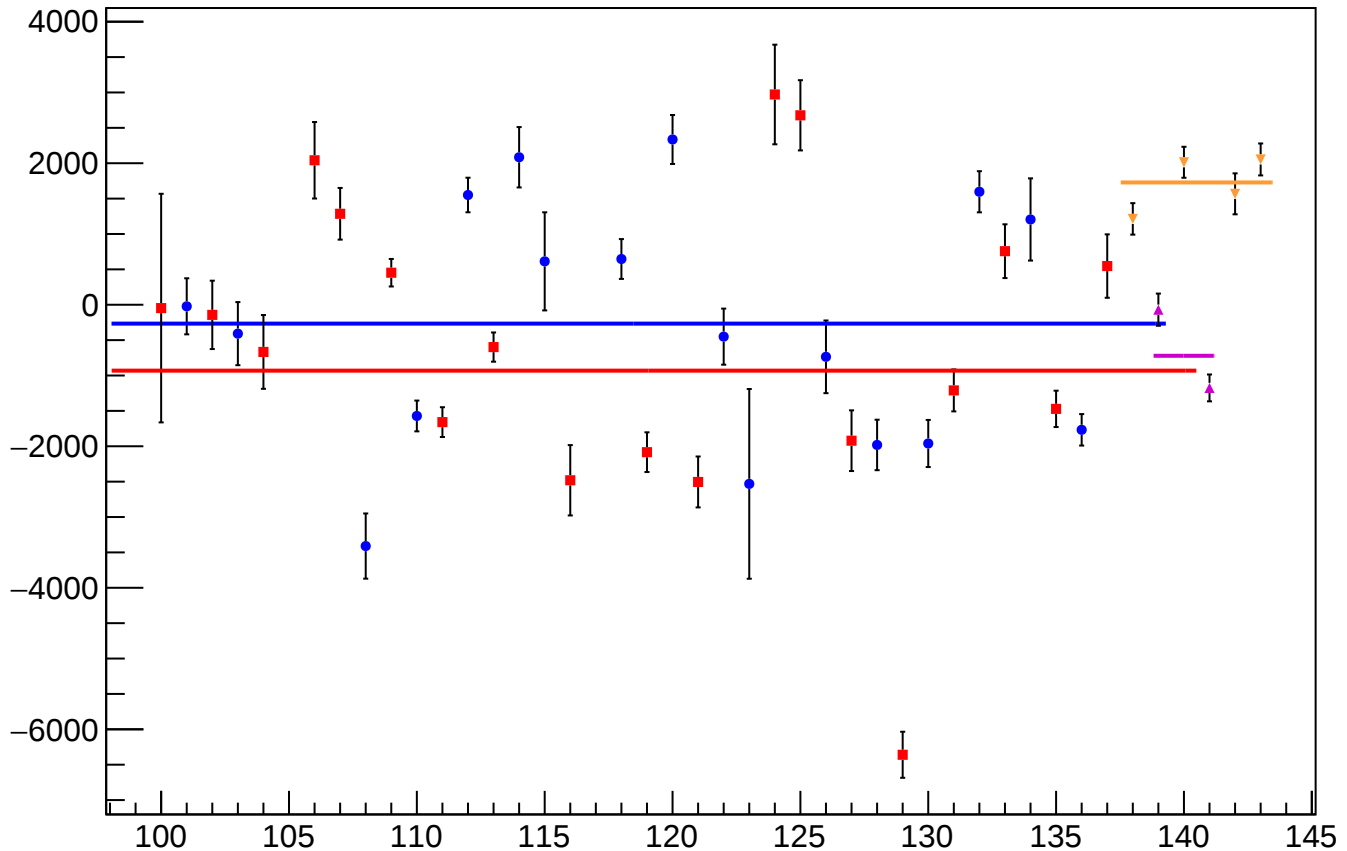
Right: 202.862 $\pm$ 0.041 χ^2 /NDF: 2106241.2/35

In: 203.217 $\pm$ 0.052 χ^2 /NDF:938660.6/18

Out: 195.314 $\pm$ 0.046 χ^2 /NDF:1203611.9/22

All: 198.779 $\pm$ 0.035 χ^2 /NDF: 2155059.9/41

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -266.674 ± 82.997 $\chi^2/\text{NDF}: 383.4/16$

Left Out: 1728.371 ± 117.316 $\chi^2/\text{NDF}: 9.4/3$

Right Out: -931.196 ± 75.469 $\chi^2/\text{NDF}: 584.4/18$

Left In: -721.276 ± 145.717 $\chi^2/\text{NDF}: 13.9/1$

Left: 764.999 ± 91.381 $\chi^2/\text{NDF}: 194.8/5$

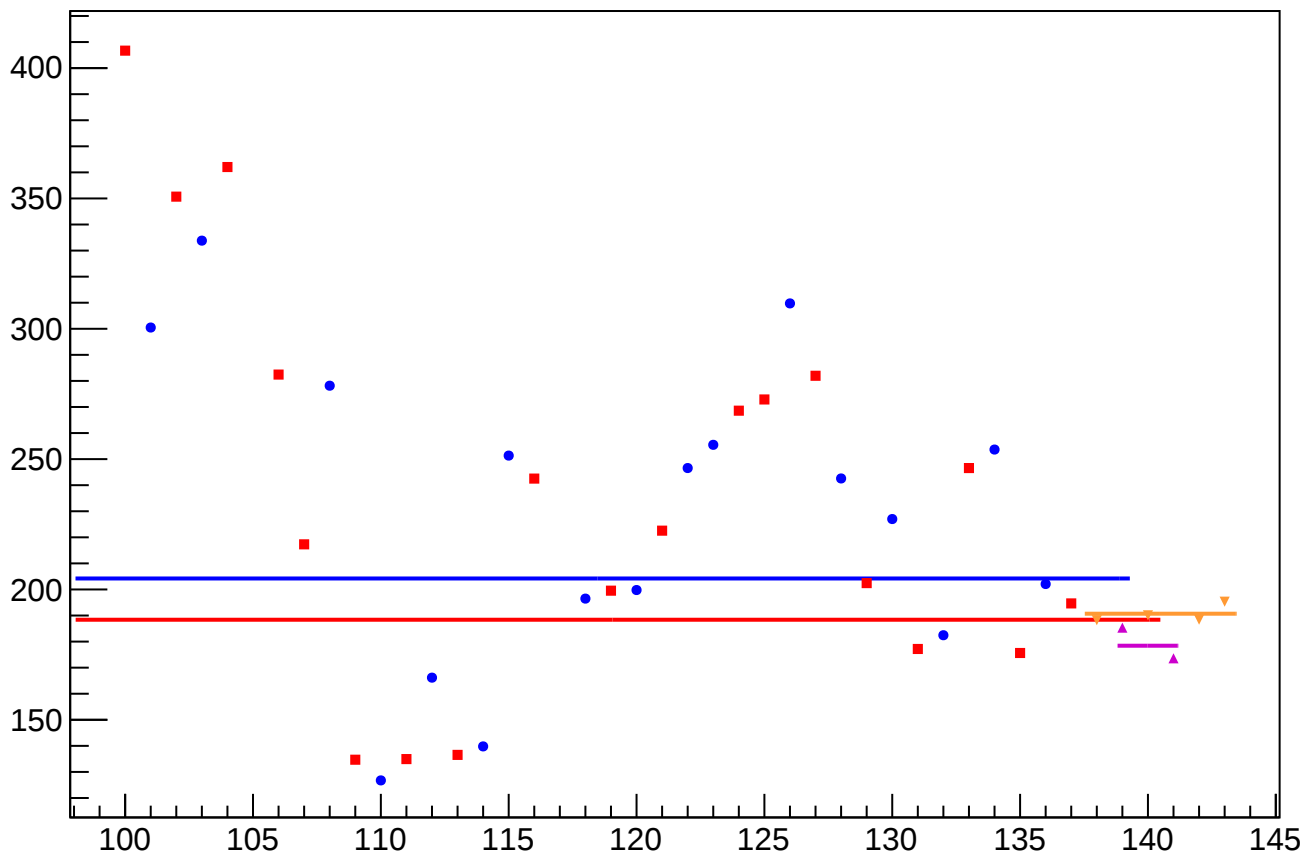
Right: -630.431 ± 55.837 $\chi^2/\text{NDF}: 1002.9/35$

In: -378.029 ± 72.119 $\chi^2/\text{NDF}: 404.7/18$

Out: -152.734 ± 63.470 $\chi^2/\text{NDF}: 957.3/22$

All: -251.069 ± 47.646 $\chi^2/\text{NDF}: 1367.5/41$

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 204.211+/-0.059 χ^2/NDF : 866108.6/16

Left Out: 190.698+/-0.083 χ^2/NDF :1225.7/3

Right Out: 188.384+/-0.053 χ^2/NDF : 1247760.0/18

Left In: 178.416+/-0.103 χ^2/NDF :3152.2/1

Left: 185.868+/-0.065 χ^2/NDF : 12998.5/5

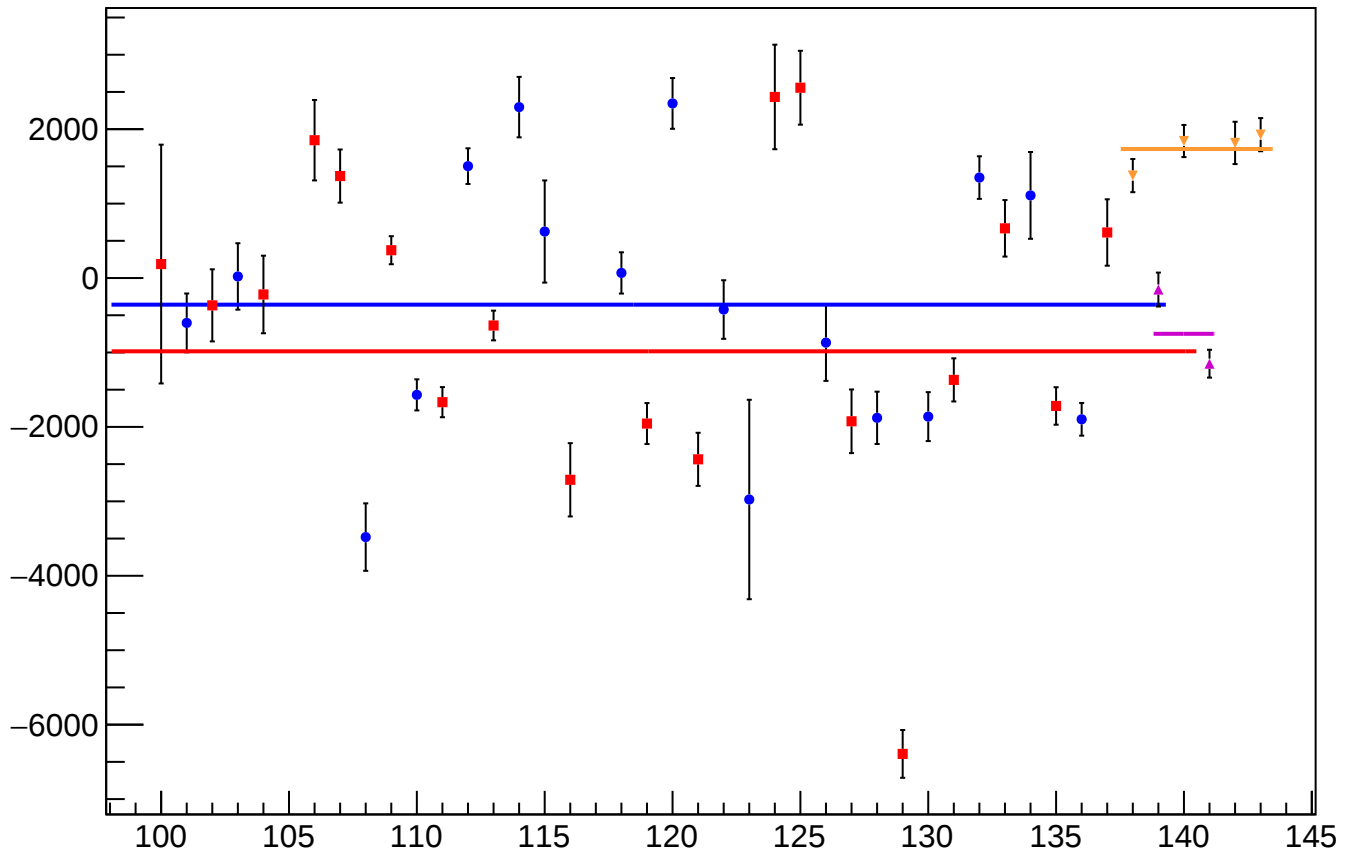
Right: 195.548+/-0.039 χ^2/NDF : 2153679.4/35

In: 197.893+/-0.051 χ^2/NDF :916582.1/18

Out: 189.062+/-0.045 χ^2/NDF :1249536.0/22

All: 192.916+/-0.034 χ^2/NDF : 2183017.9/41

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -357.821 $\pm$ 81.517 χ^2/NDF : 388.2/16

Left Out: 1733.510 $\pm$ 116.166 χ^2/NDF : 3.6/3

Right Out: -984.342 $\pm$ 73.851 χ^2/NDF : 588.2/18

Left In: -749.199 $\pm$ 144.622 χ^2/NDF : 11.4/1

Left: 759.874 $\pm$ 90.567 χ^2/NDF : 194.2/5

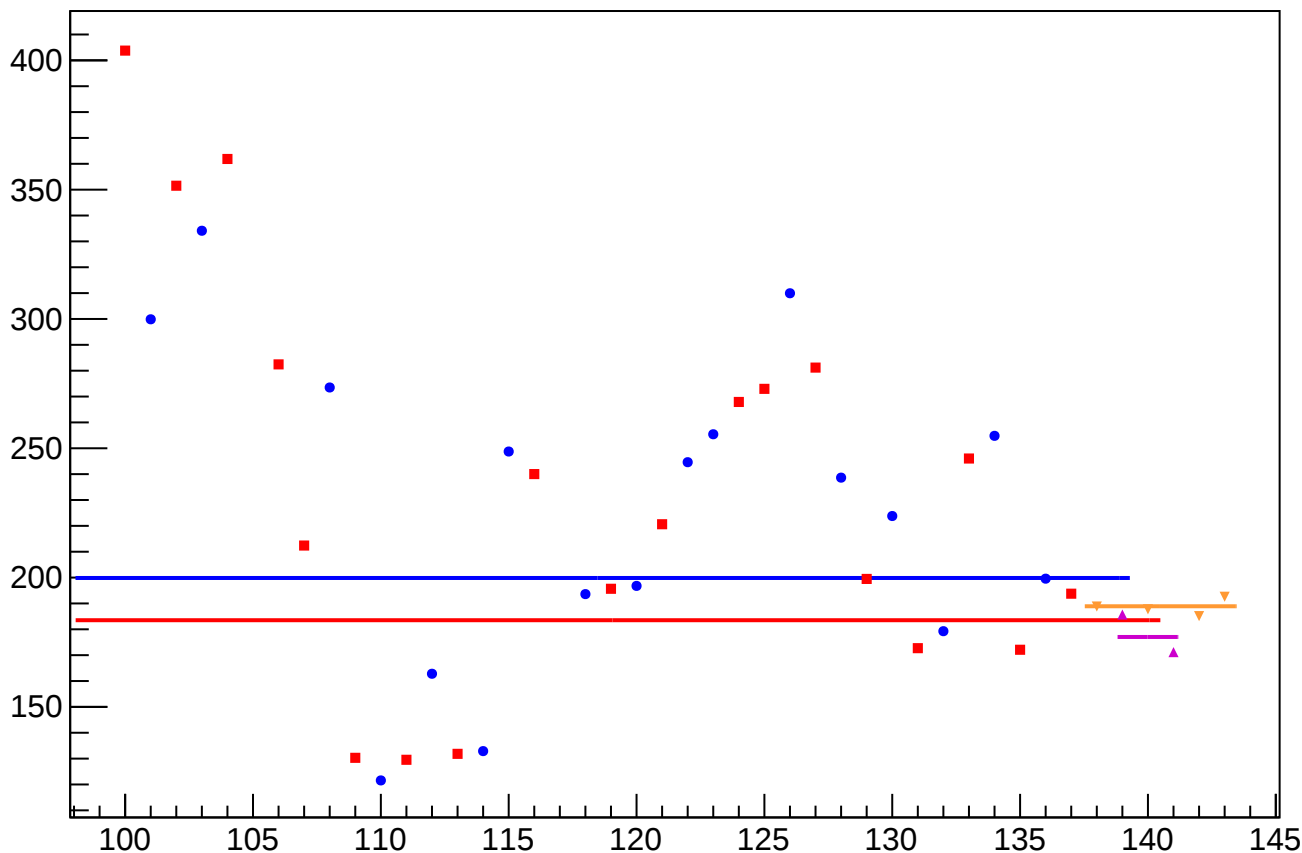
Right: -701.918 $\pm$ 54.731 χ^2/NDF : 1008.9/35

In: -452.184 $\pm$ 71.013 χ^2/NDF : 405.2/18

Out: -202.053 $\pm$ 62.323 χ^2/NDF : 981.7/22

All: -310.885 $\pm$ 46.842 χ^2/NDF : 1393.9/41

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 199.847+/-0.058 χ^2/NDF : 940786.8/16

Left Out: 188.907+/-0.082 χ^2/NDF : 967.3/3

Right Out: 183.513+/-0.052 χ^2/NDF : 1345883.7/18

Left In: 177.035+/-0.102 χ^2/NDF : 4864.1/1

Left: 184.251+/-0.064 χ^2/NDF : 14022.7/5

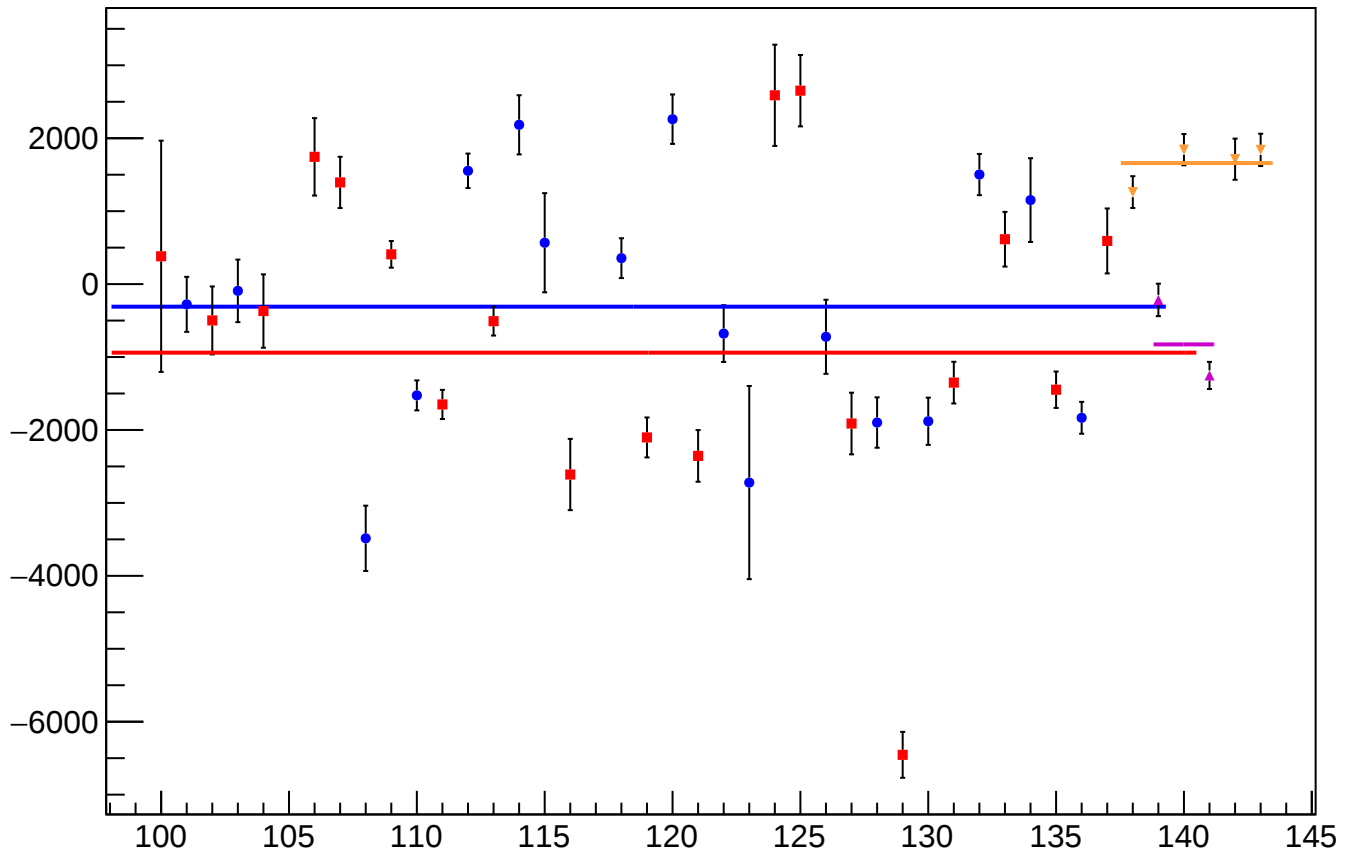
Right: 190.876+/-0.039 χ^2/NDF : 2330772.3/35

In: 194.347+/-0.050 χ^2/NDF : 983413.6/18

Out: 185.066+/-0.044 χ^2/NDF : 1349921.3/22

All: 189.104+/-0.033 χ^2/NDF : 2352634.4/41

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -309.418+/-80.357 χ^2/NDF : 396.4/16

Left Out: 1659.351+/-114.902 χ^2/NDF : 4.8/3

Right Out: -940.123+/-72.716 χ^2/NDF : 616.8/18

Left In: -826.728+/-142.810 χ^2/NDF : 12.7/1

Left: 682.413+/-89.523 χ^2/NDF : 201.5/5

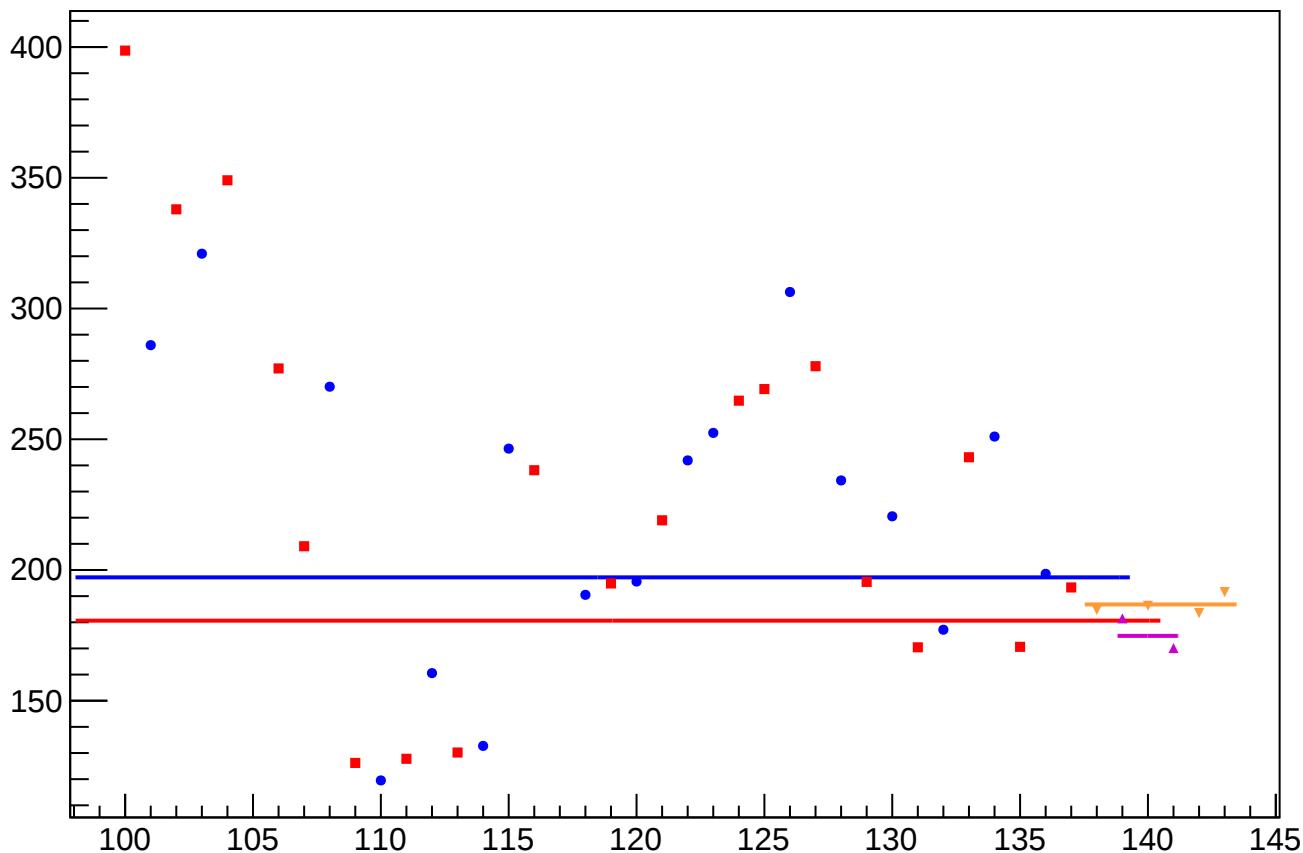
Right: -656.175+/-53.917 χ^2/NDF : 1047.2/35

In: -433.818+/-70.032 χ^2/NDF : 419.1/18

Out: -196.752+/-61.445 χ^2/NDF : 987.1/22

All: -299.869+/-46.187 χ^2/NDF : 1412.7/41

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 197.185+/-0.057 χ^2/NDF : 909929.0/16

Left Out: 186.822+/-0.081 χ^2/NDF :1378.5/3

Right Out: 180.624+/-0.051 χ^2/NDF : 1341837.4/18

Left In: 174.805+/-0.101 χ^2/NDF :3063.1/1

Left: 182.100+/-0.063 χ^2/NDF : 13038.3/5

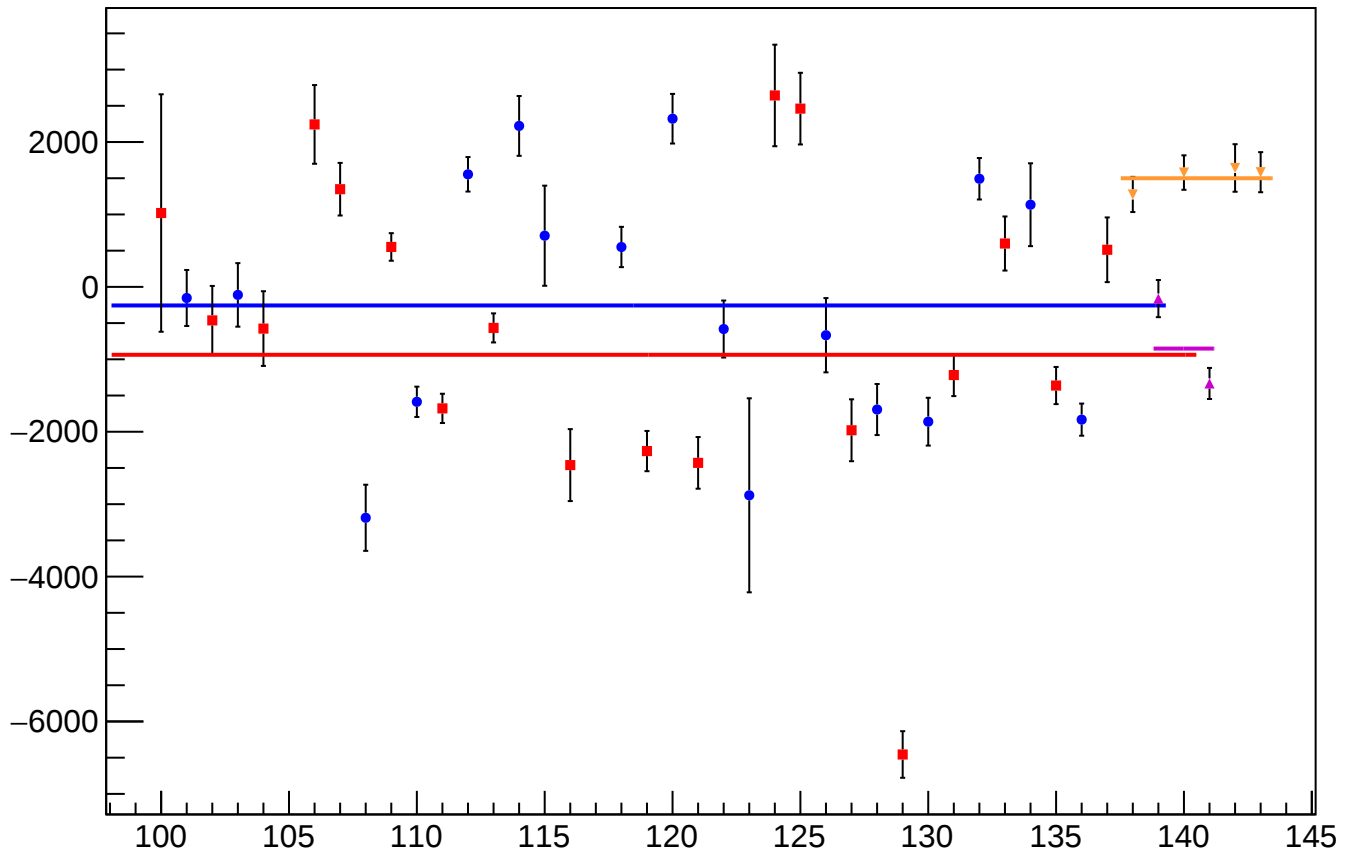
Right: 188.080+/-0.038 χ^2/NDF : 2298467.9/35

In: 191.803+/-0.050 χ^2/NDF :950297.6/18

Out: 182.397+/-0.043 χ^2/NDF :1347370.7/22

All: 186.488+/-0.033 χ^2/NDF : 2318055.4/41

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -256.429+/-81.594 χ^2/NDF : 381.8/16

Left Out: 1499.768+/-132.488 χ^2/NDF : 1.2/3

Right Out: -937.482+/-74.168 χ^2/NDF : 609.1/18

Left In: -851.712+/-164.531 χ^2/NDF : 12.3/1

Left: 574.797+/-103.191 χ^2/NDF : 137.4/5

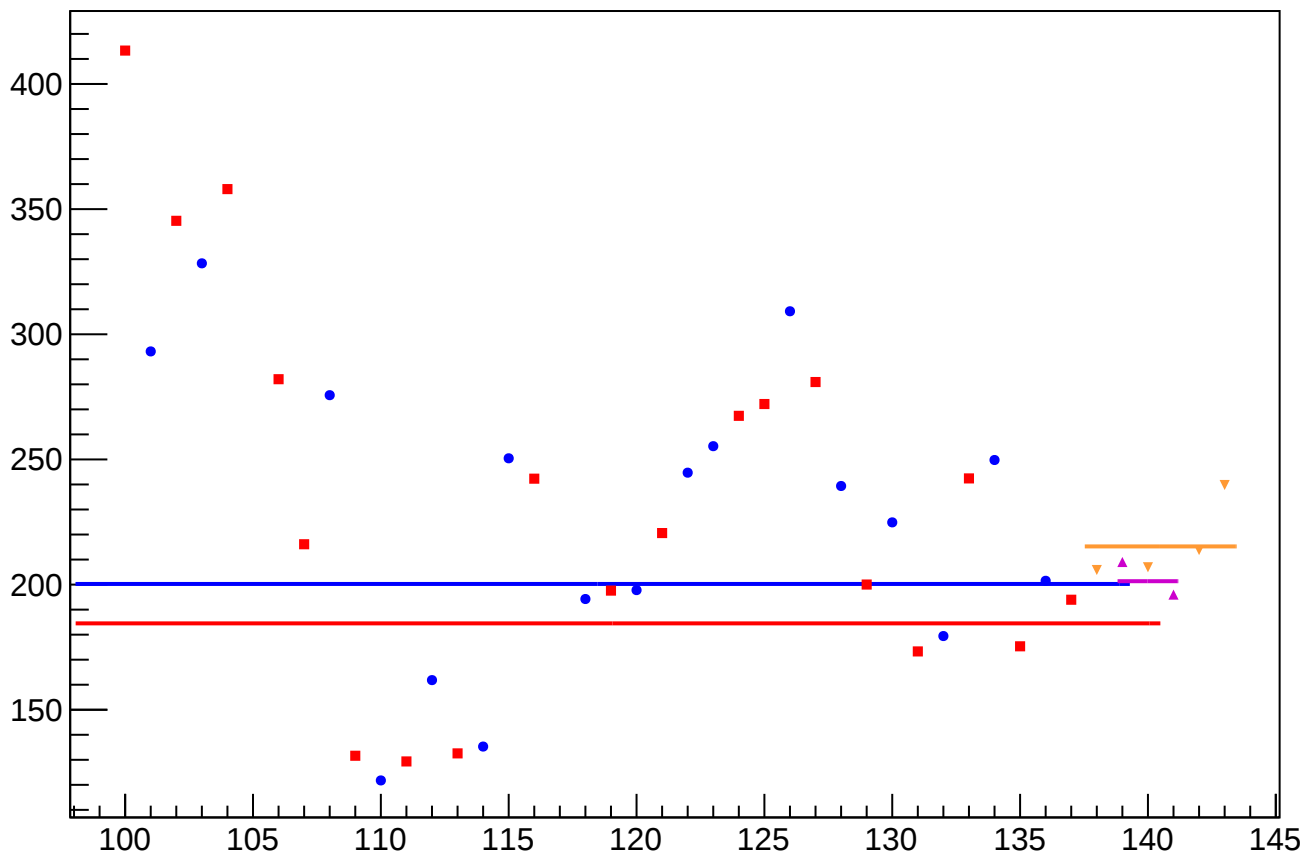
Right: -629.348+/-54.883 χ^2/NDF : 1029.0/35

In: -373.931+/-73.099 χ^2/NDF : 404.6/18

Out: -355.924+/-64.717 χ^2/NDF : 868.0/22

All: -363.836+/-48.456 χ^2/NDF : 1272.6/41

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 200.256+/-0.058 χ^2/NDF : 915910.1/16

Left Out: 215.250+/-0.094 χ^2/NDF : 21235.1/3

Right Out: 184.510+/-0.052 χ^2/NDF : 1314720.9/18

Left In: 201.357+/-0.116 χ^2/NDF : 3035.4/1

Left: 209.785+/-0.073 χ^2/NDF : 32921.0/5

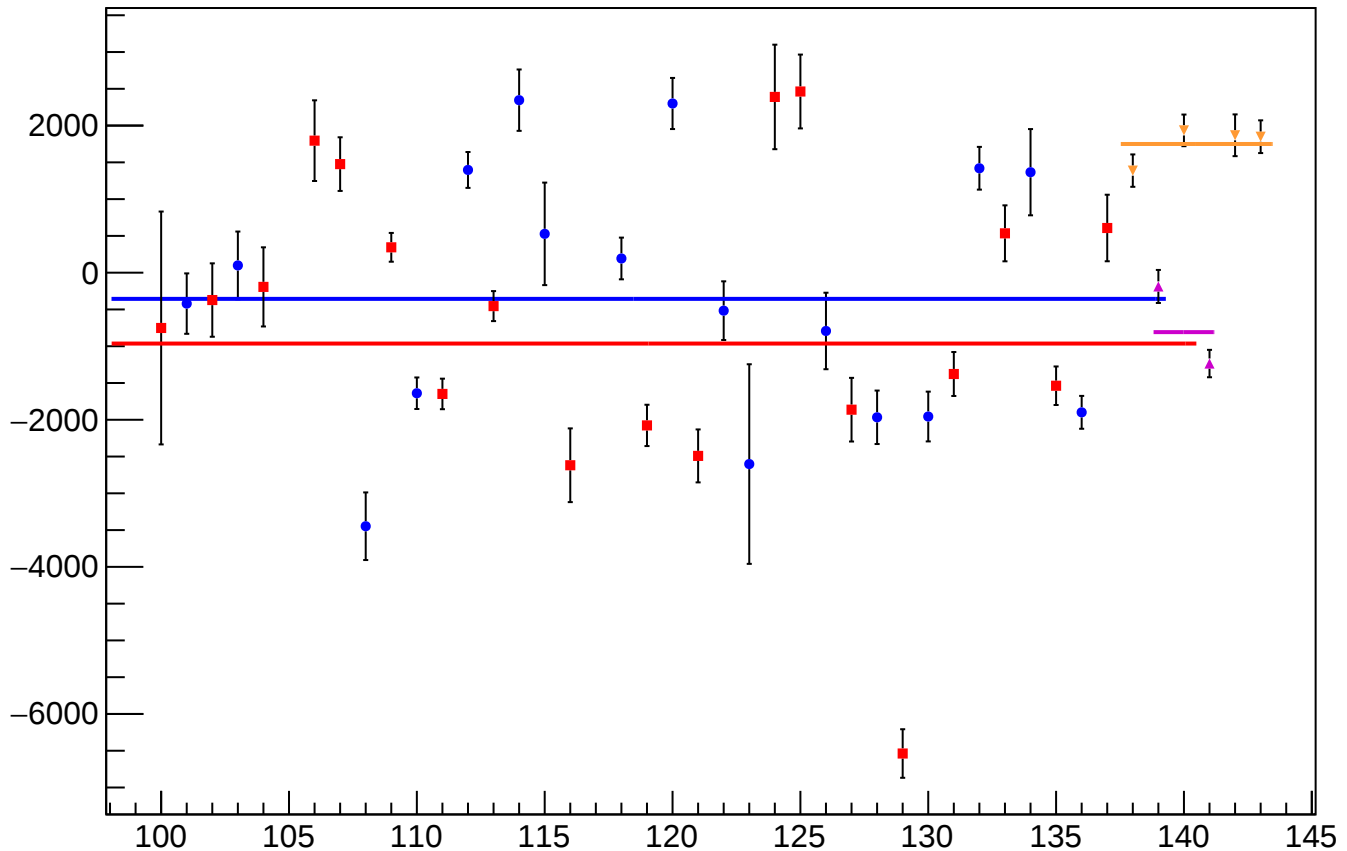
Right: 191.634+/-0.039 χ^2/NDF : 2271416.2/35

In: 200.473+/-0.052 χ^2/NDF : 919017.4/18

Out: 191.845+/-0.046 χ^2/NDF : 1417935.0/22

All: 195.636+/-0.034 χ^2/NDF : 2352574.4/41

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -356.124 ± 83.321 χ^2/NDF : 378.6/16

Left Out: 1749.756 ± 115.588 χ^2/NDF : 3.8/3

Right Out: -963.743 ± 75.713 χ^2/NDF : 572.4/18

Left In: -808.336 ± 143.393 χ^2/NDF : 12.9/1

Left: 742.219 ± 89.991 χ^2/NDF : 209.6/5

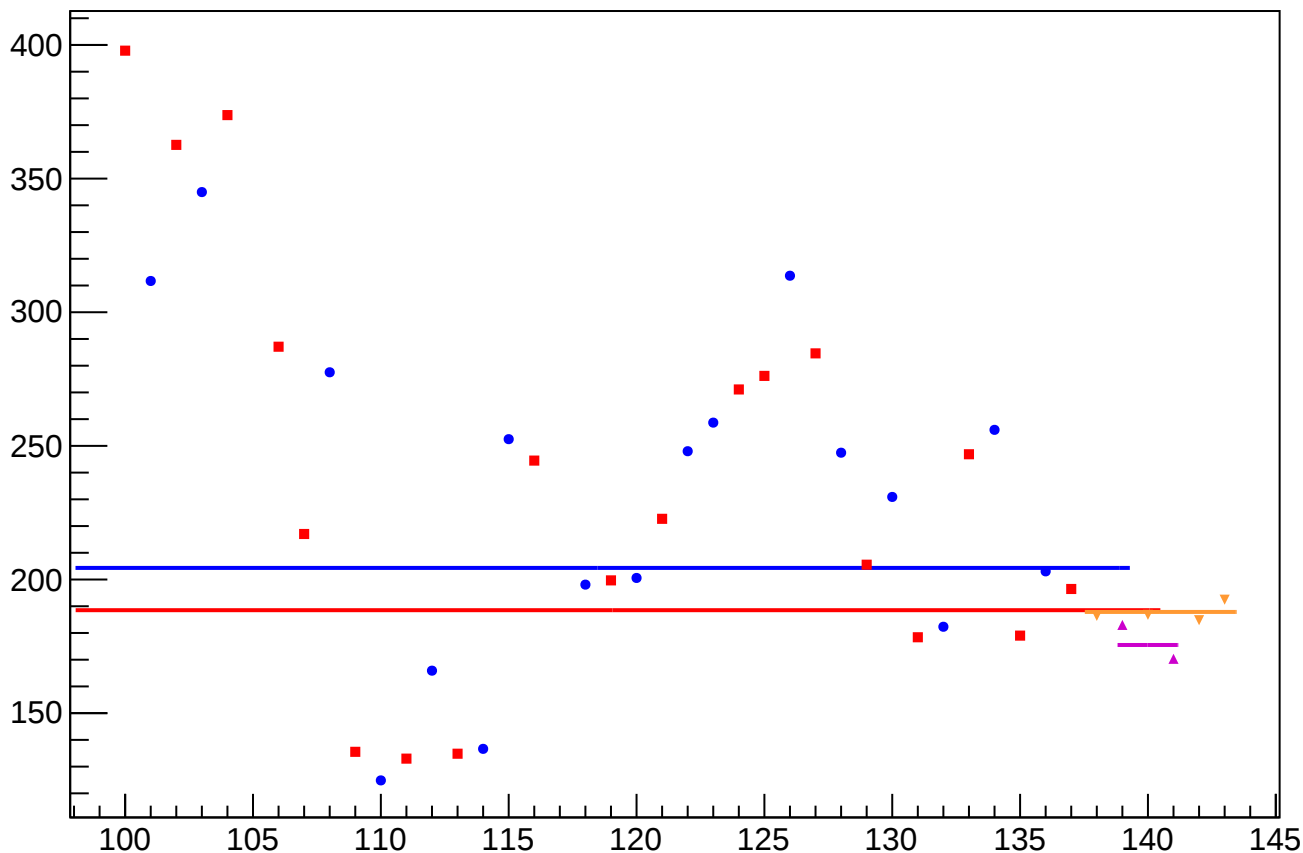
Right: -688.935 ± 56.034 χ^2/NDF : 980.1/35

In: -470.269 ± 72.042 χ^2/NDF : 398.9/18

Out: -149.049 ± 63.335 χ^2/NDF : 961.9/22

All: -289.085 ± 47.567 χ^2/NDF : 1372.0/41

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 204.343+/-0.059 χ^2/NDF : 944923.9/16

Left Out: 187.871+/-0.082 χ^2/NDF :1226.8/3

Right Out: 188.523+/-0.054 χ^2/NDF : 1311109.8/18

Left In: 175.507+/-0.101 χ^2/NDF :3779.9/1

Left: 183.001+/-0.064 χ^2/NDF : 14020.7/5

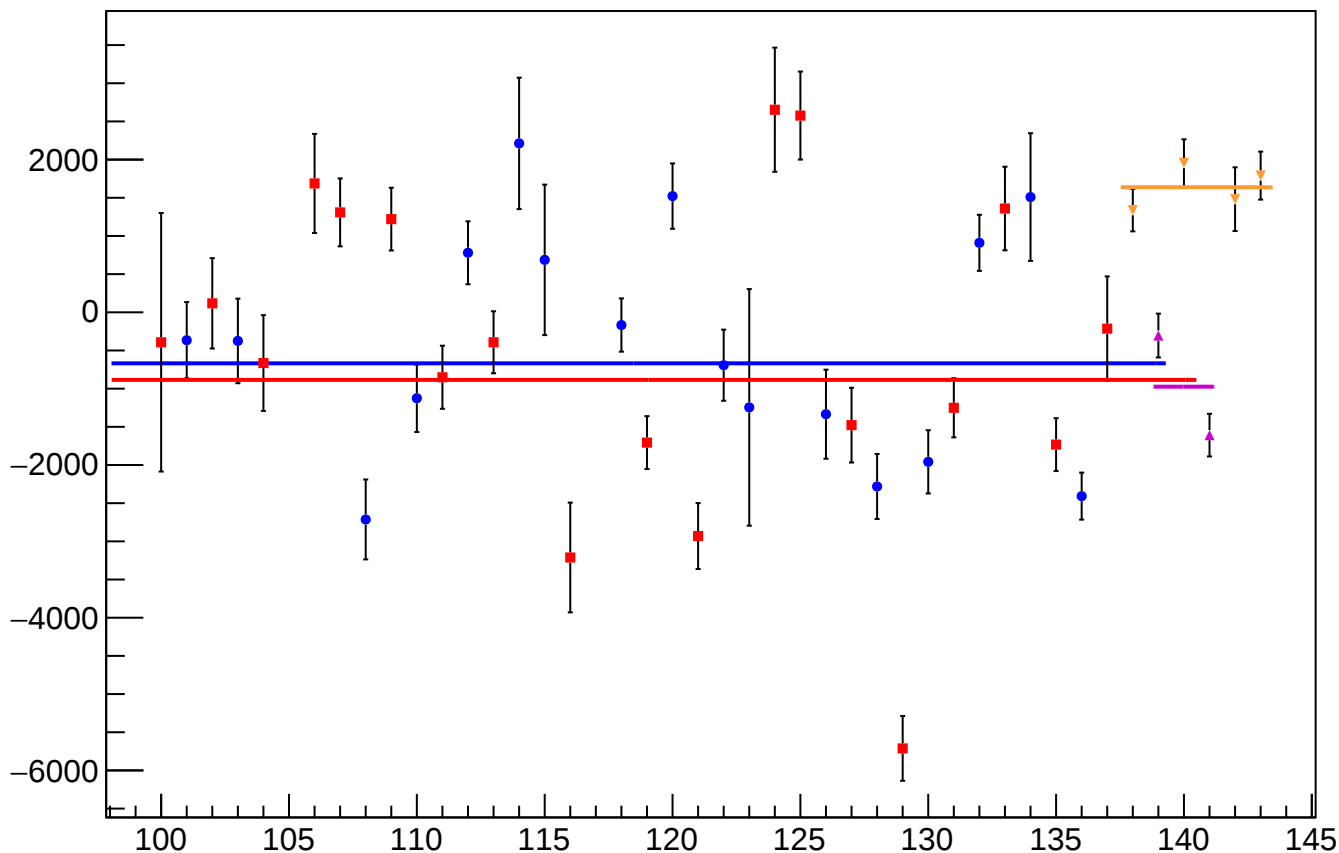
Right: 195.678+/-0.040 χ^2/NDF : 2295521.2/35

In: 197.064+/-0.051 χ^2/NDF :1009169.3/18

Out: 188.328+/-0.045 χ^2/NDF :1312381.2/22

All: 192.136+/-0.034 χ^2/NDF : 2338140.2/41

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -668.118 $\pm$ 114.189 χ^2 /NDF: 153.3/16

Left Out: 1637.909 $\pm$ 159.663 χ^2 /NDF:2.6/3

Right Out: -884.858 $\pm$ 110.843 χ^2 /NDF: 320.1/18

Left In: -974.053 $\pm$ 200.032 χ^2 /NDF:10.6/1

Left: 621.426 $\pm$ 124.786 χ^2 /NDF: 117.4/5

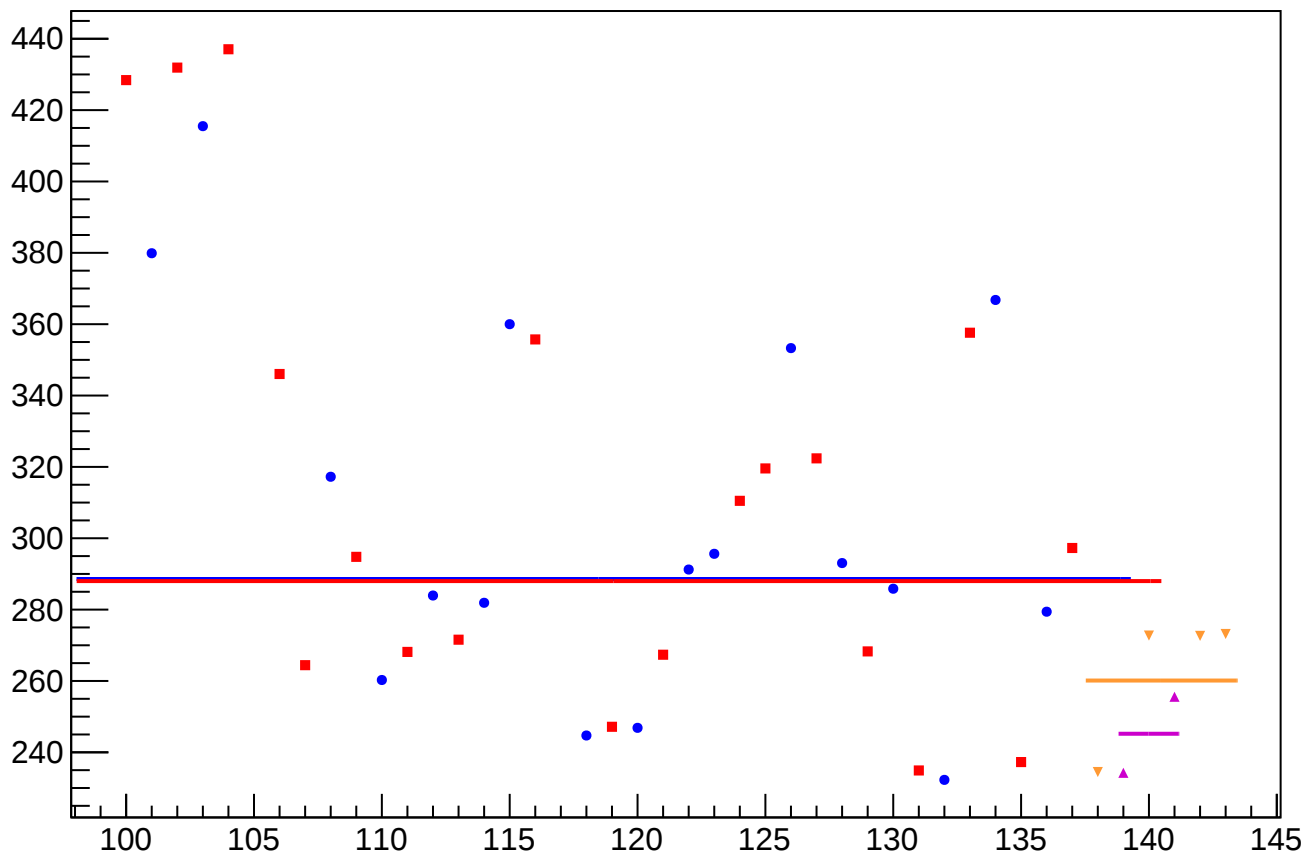
Right: -779.711 $\pm$ 79.534 χ^2 /NDF: 475.3/35

In: -743.311 $\pm$ 99.169 χ^2 /NDF:165.7/18

Out: -64.414 $\pm$ 91.052 χ^2 /NDF:491.2/22

All: -374.947 $\pm$ 67.070 χ^2 /NDF: 682.4/41

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 288.577 $\pm$ 0.081 χ^2 /NDF: 338793.1/16

Left Out: 260.120 $\pm$ 0.113 χ^2 /NDF: 25669.3/3

Right Out: 287.995 $\pm$ 0.078 χ^2 /NDF: 459962.0/18

Left In: 245.203 $\pm$ 0.141 χ^2 /NDF: 5671.4/1

Left: 254.315 $\pm$ 0.088 χ^2 /NDF: 38135.1/5

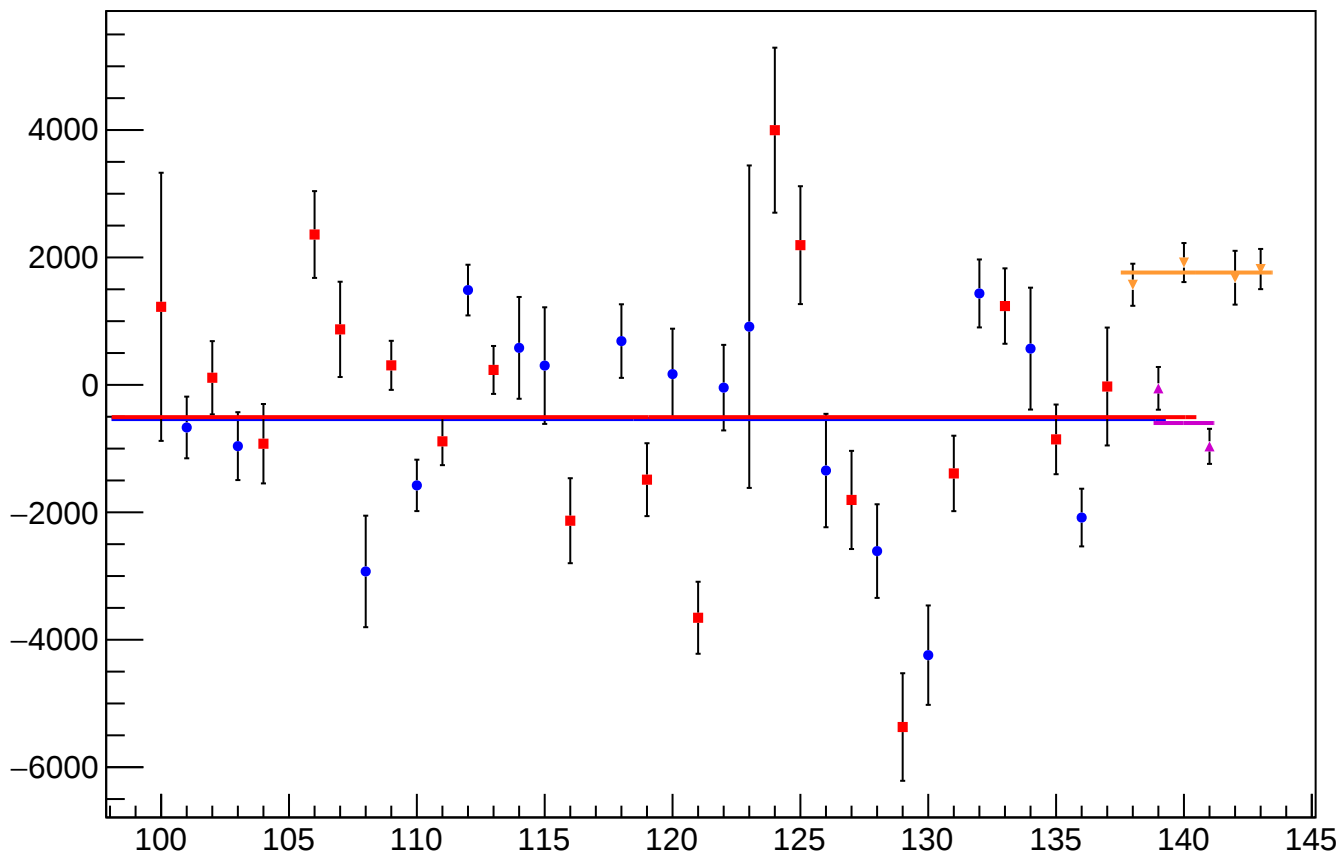
Right: 288.277 $\pm$ 0.056 χ^2 /NDF: 798781.9/35

In: 277.916 $\pm$ 0.070 χ^2 /NDF: 415388.2/18

Out: 278.930 $\pm$ 0.064 χ^2 /NDF: 526766.2/22

All: 278.466 $\pm$ 0.047 χ^2 /NDF: 942267.7/41

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -536.568+/-147.571 χ^2/NDF : 107.9/16

Left Out: 1763.281+/-167.872 χ^2/NDF : 0.7/3

Right Out: -506.373+/-135.761 χ^2/NDF : 140.9/18

Left In: -598.489+/-212.753 χ^2/NDF : 4.4/1

Left: 857.064+/-131.787 χ^2/NDF : 81.0/5

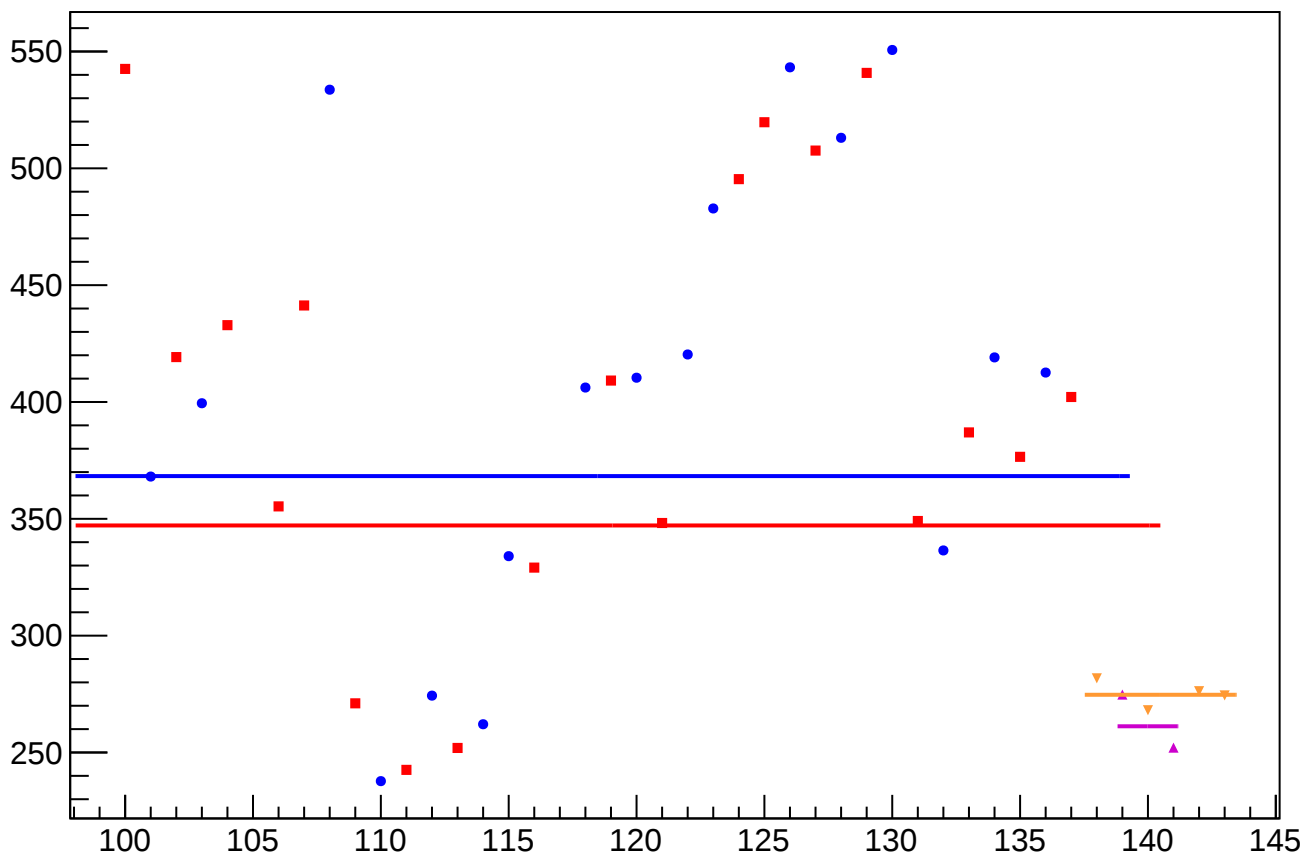
Right: -520.214+/-99.912 χ^2/NDF : 248.8/35

In: -556.682+/-121.257 χ^2/NDF : 112.3/18

Out: 391.078+/-105.561 χ^2/NDF : 252.1/22

All: -17.529+/-79.618 χ^2/NDF : 399.2/41

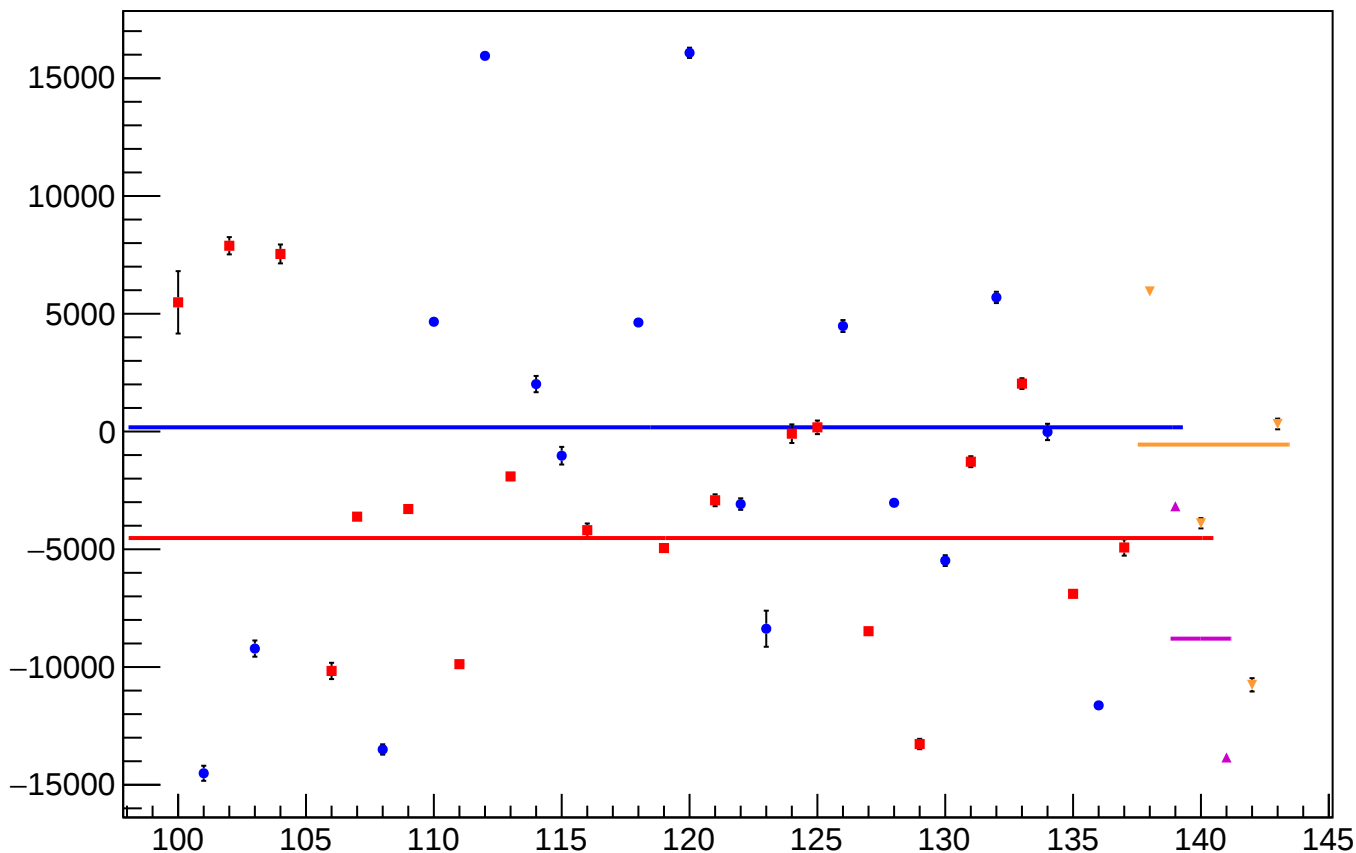
asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 368.287 $\pm$ 0.104 χ^2 /NDF: 765418.4/16
 Left Out: 274.697 $\pm$ 0.119 χ^2 /NDF:1869.6/3
 Right Out: 347.159 $\pm$ 0.096 χ^2 /NDF: 816304.3/18
 Left In: 261.214 $\pm$ 0.150 χ^2 /NDF:5479.5/1

Left: 269.524 $\pm$ 0.093 χ^2 /NDF: 12299.7/5
 Right: 356.844 $\pm$ 0.071 χ^2 /NDF: 1603928.6/35
 In: 333.506 $\pm$ 0.086 χ^2 /NDF:1112918.7/18
 Out: 318.506 $\pm$ 0.075 χ^2 /NDF:1043466.3/22
 All: 324.973 $\pm$ 0.056 χ^2 /NDF: 2173795.8/41

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 178.788 ± 54.896 χ^2/NDF : 30662.2/16

Left Out: -554.677 ± 111.319 χ^2/NDF : 2722.0/3

Right Out: -4523.222 ± 52.440 χ^2/NDF : 7474.2/18

Left In: -8794.609 ± 141.893 χ^2/NDF : 1408.4/1

Left: -3693.999 ± 87.582 χ^2/NDF : 6217.9/5

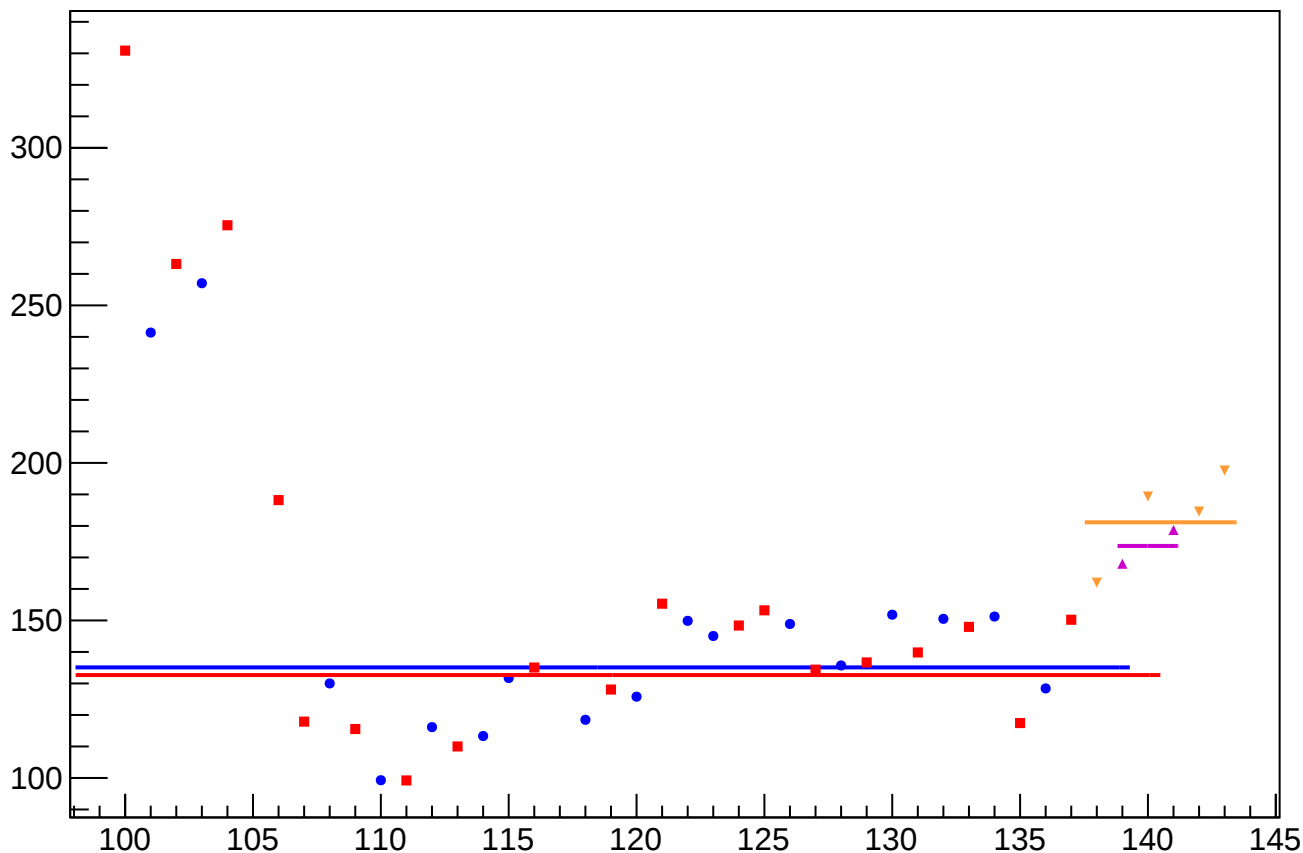
Right: -2279.776 ± 37.919 χ^2/NDF : 41972.4/35

In: -989.489 ± 51.198 χ^2/NDF : 35549.3/18

Out: -3802.485 ± 47.440 χ^2/NDF : 11236.3/22

All: -2503.025 ± 34.798 χ^2/NDF : 48409.9/41

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 135.099 $\pm$ 0.039 χ^2 /NDF: 657657.4/16

Left Out: 181.150 $\pm$ 0.079 χ^2 /NDF: 33982.4/3

Right Out: 132.672 $\pm$ 0.037 χ^2 /NDF: 828363.1/18

Left In: 173.651 $\pm$ 0.100 χ^2 /NDF: 2840.2/1

Left: 178.293 $\pm$ 0.062 χ^2 /NDF: 40280.3/5

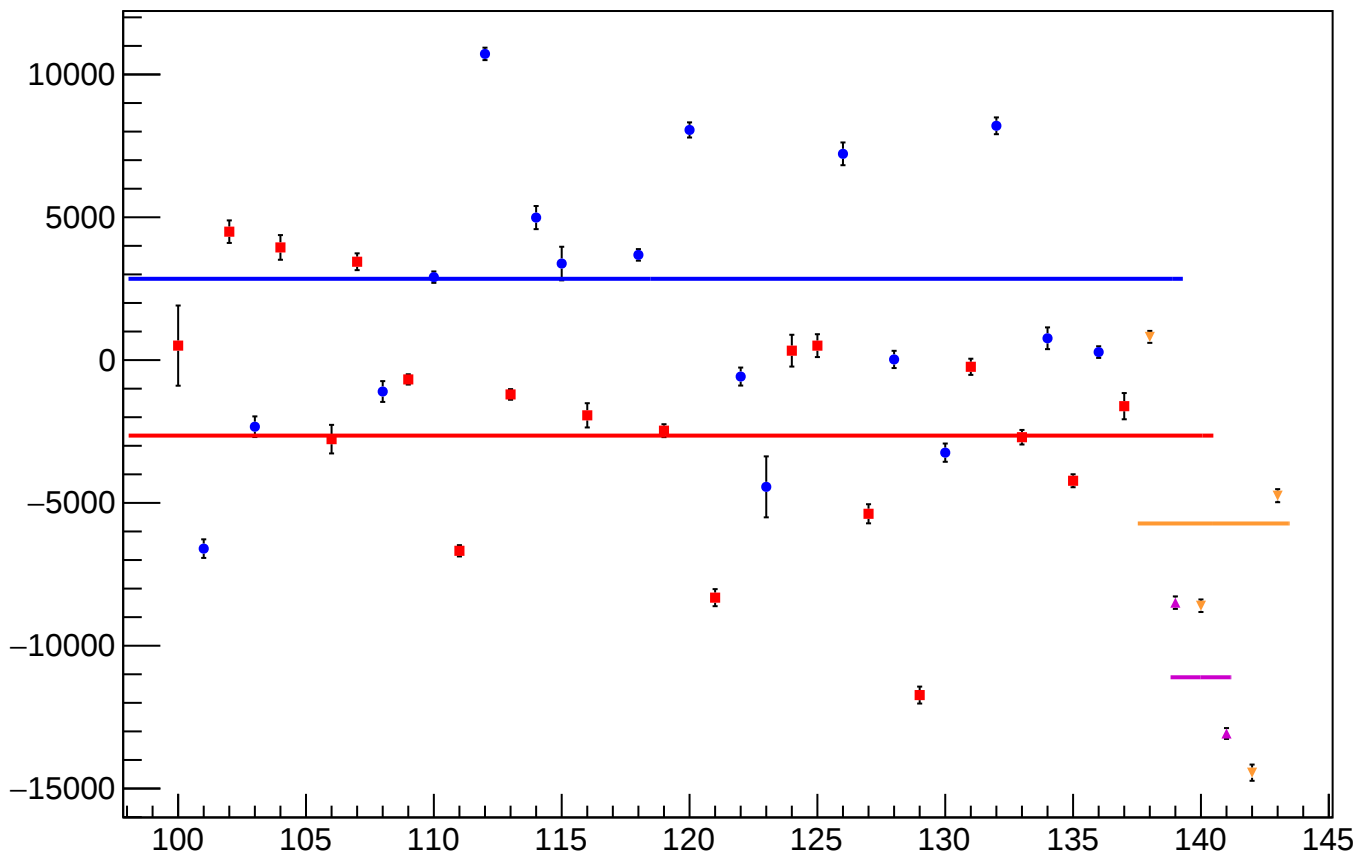
Right: 133.830 $\pm$ 0.027 χ^2 /NDF: 1488063.7/35

In: 140.118 $\pm$ 0.036 χ^2 /NDF: 788917.1/18

Out: 141.476 $\pm$ 0.034 χ^2 /NDF: 1172755.7/22

All: 140.849 $\pm$ 0.025 χ^2 /NDF: 1962430.3/41

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2846.117+/-70.894 χ^2/NDF : 4160.1/16

Left Out: -5720.336+/-115.481 χ^2/NDF : 2103.2/3

Right Out: -2643.505+/-65.711 χ^2/NDF : 3177.7/18

Left In: -11104.825+/-143.276 χ^2/NDF : 250.6/1

Left: -7840.806+/-89.912 χ^2/NDF : 3209.9/5

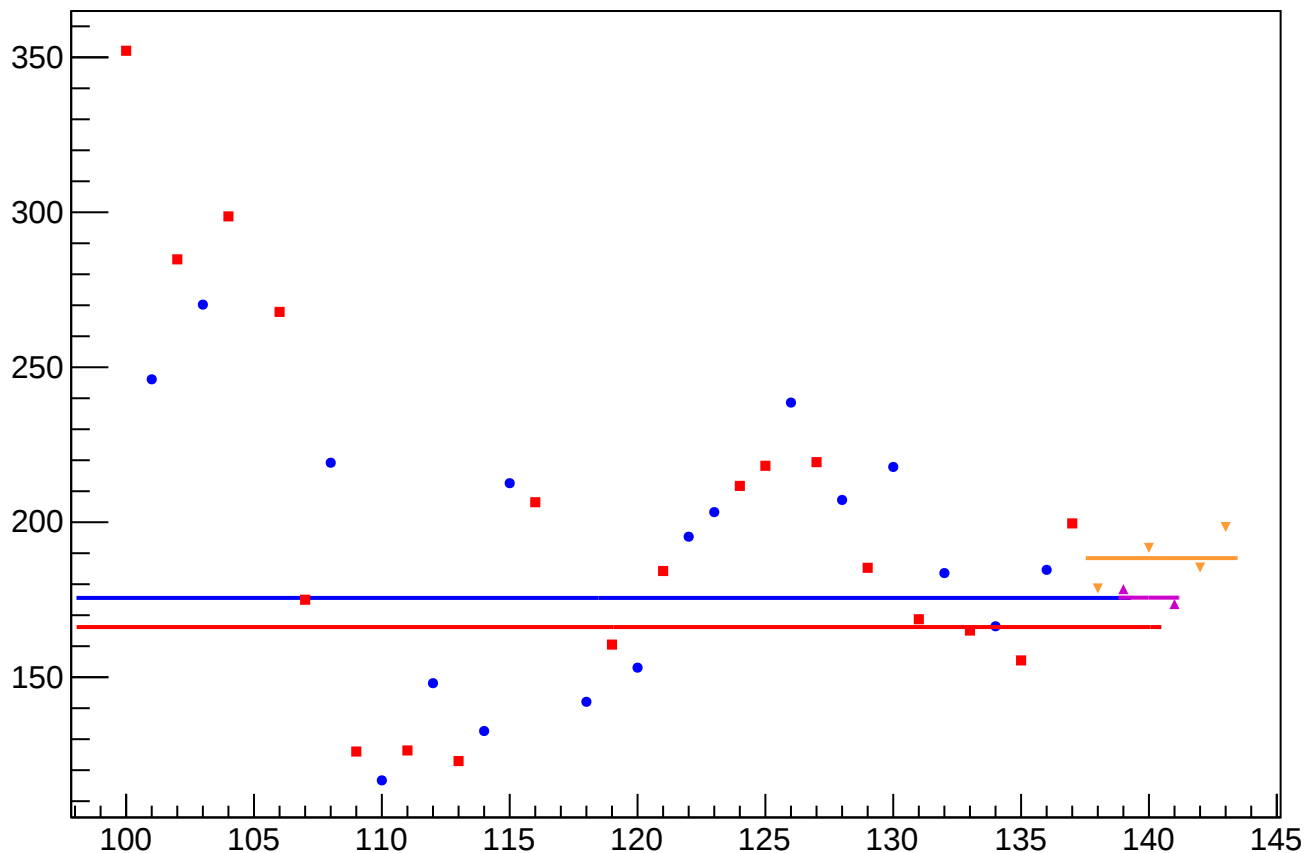
Right: -106.685+/-48.193 χ^2/NDF : 10563.0/35

In: 102.224+/-63.541 χ^2/NDF : 12027.1/18

Out: -3396.062+/-57.112 χ^2/NDF : 5817.1/22

All: -1832.788+/-42.476 χ^2/NDF : 19520.8/41

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 175.582 $\pm$ 0.050 χ^2 /NDF: 687852.4/16

Left Out: 188.421 $\pm$ 0.082 χ^2 /NDF:8902.8/3

Right Out: 166.180 $\pm$ 0.046 χ^2 /NDF: 925559.0/18

Left In: 175.667 $\pm$ 0.101 χ^2 /NDF:552.7/1

Left: 183.398 $\pm$ 0.064 χ^2 /NDF: 19063.3/5

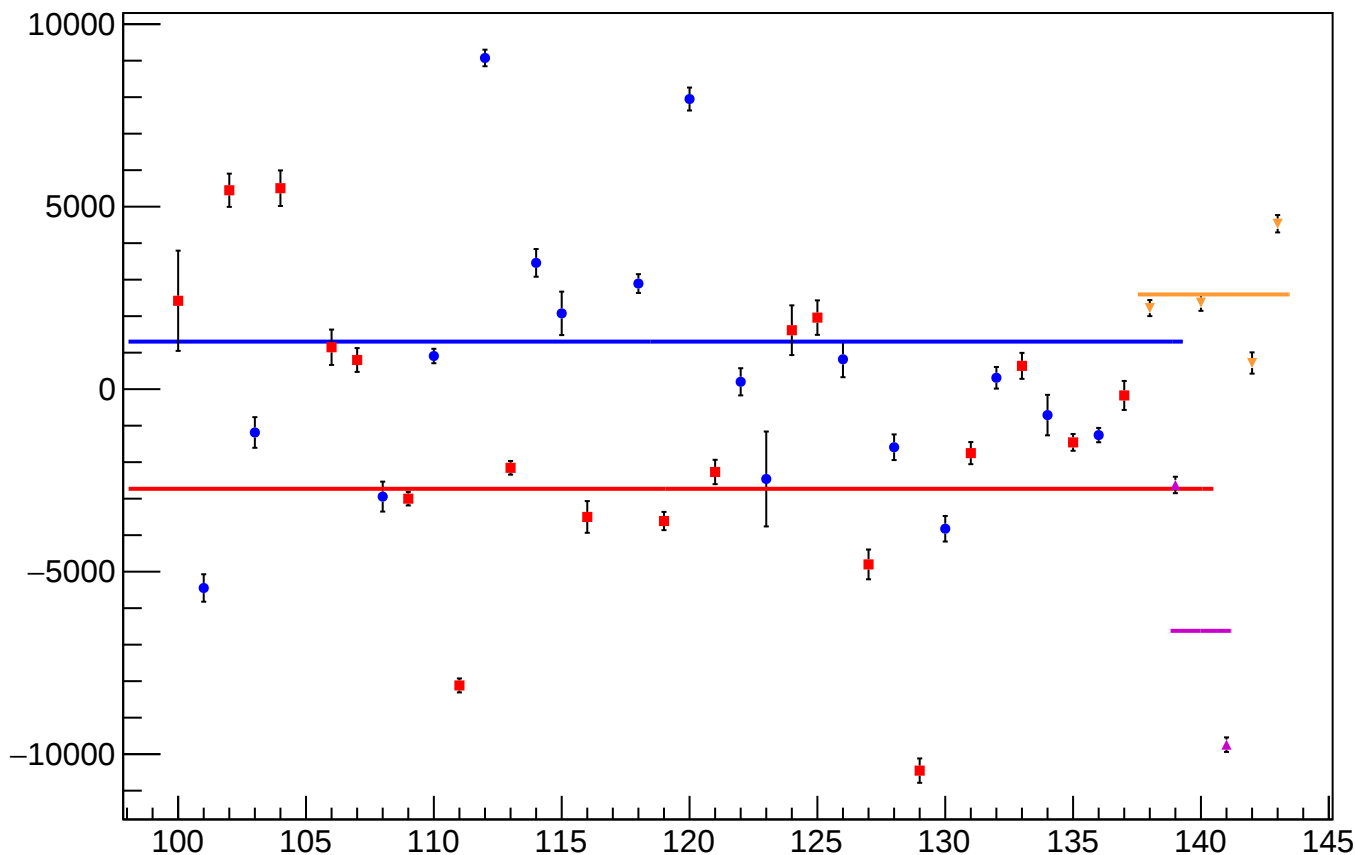
Right: 170.525 $\pm$ 0.034 χ^2 /NDF: 1632331.4/35

In: 175.599 $\pm$ 0.045 χ^2 /NDF:688405.6/18

Out: 171.620 $\pm$ 0.040 χ^2 /NDF:990502.2/22

All: 173.398 $\pm$ 0.030 χ^2 /NDF: 1683244.9/41

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1302.950+/-77.323 χ^2/NDF : 2649.9/16

Left Out: 2595.470+/-119.817 χ^2/NDF :111.5/3

Right Out: -2729.355+/-70.012 χ^2/NDF : 2497.2/18

Left In: -6621.469+/-149.168 χ^2/NDF :560.1/1

Left: -1019.109+/-93.414 χ^2/NDF : 2992.2/5

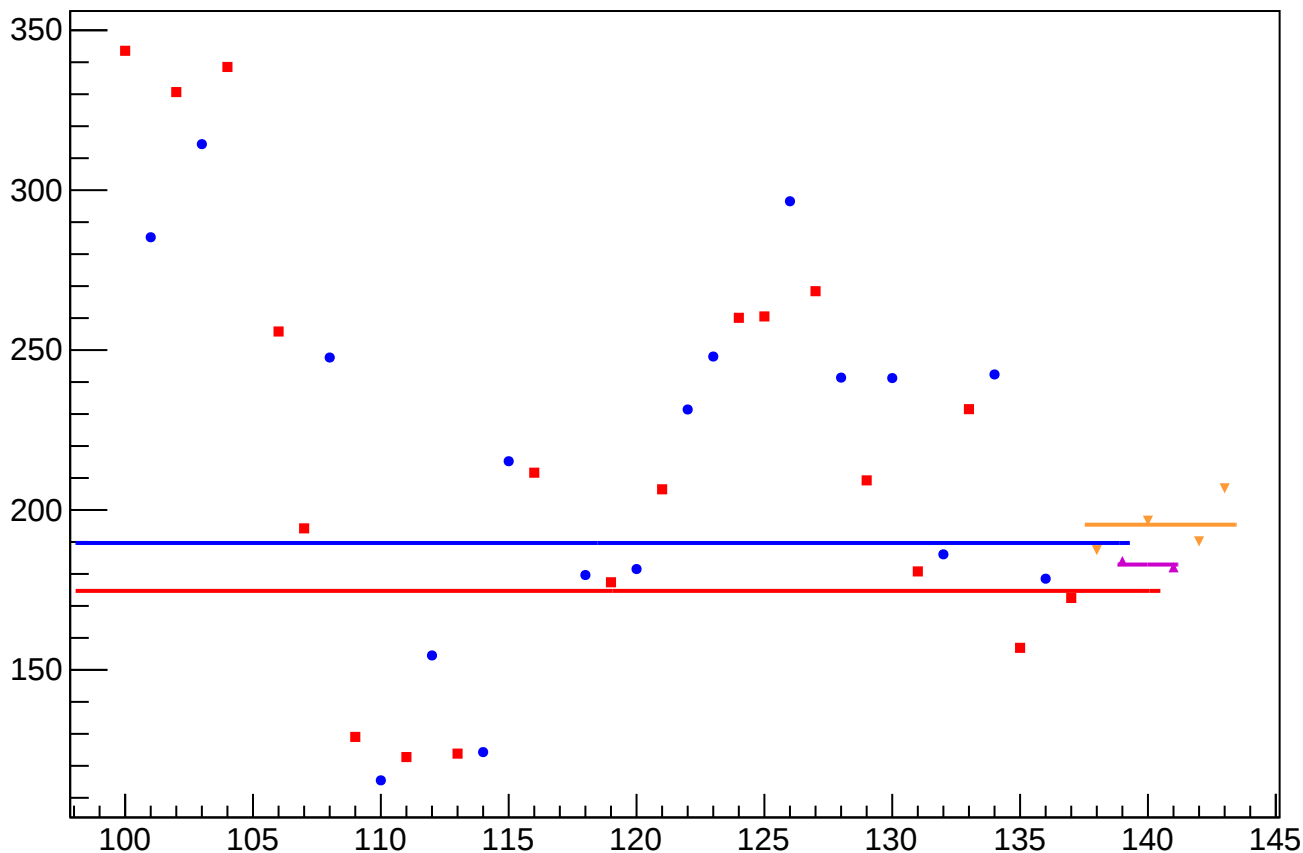
Right: -912.817+/-51.899 χ^2/NDF : 6641.4/35

In: -375.371+/-68.648 χ^2/NDF :5434.4/18

Out: -1374.048+/-60.449 χ^2/NDF :4081.0/22

All: -937.887+/-45.367 χ^2/NDF : 9634.6/41

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 189.687 $\pm$ 0.055 χ^2 /NDF: 977199.2/16

Left Out: 195.404 $\pm$ 0.085 χ^2 /NDF: 7878.6/3

Right Out: 174.707 $\pm$ 0.050 χ^2 /NDF: 1291115.5/18

Left In: 182.937 $\pm$ 0.105 χ^2 /NDF: 85.5/1

Left: 190.515 $\pm$ 0.066 χ^2 /NDF: 16455.1/5

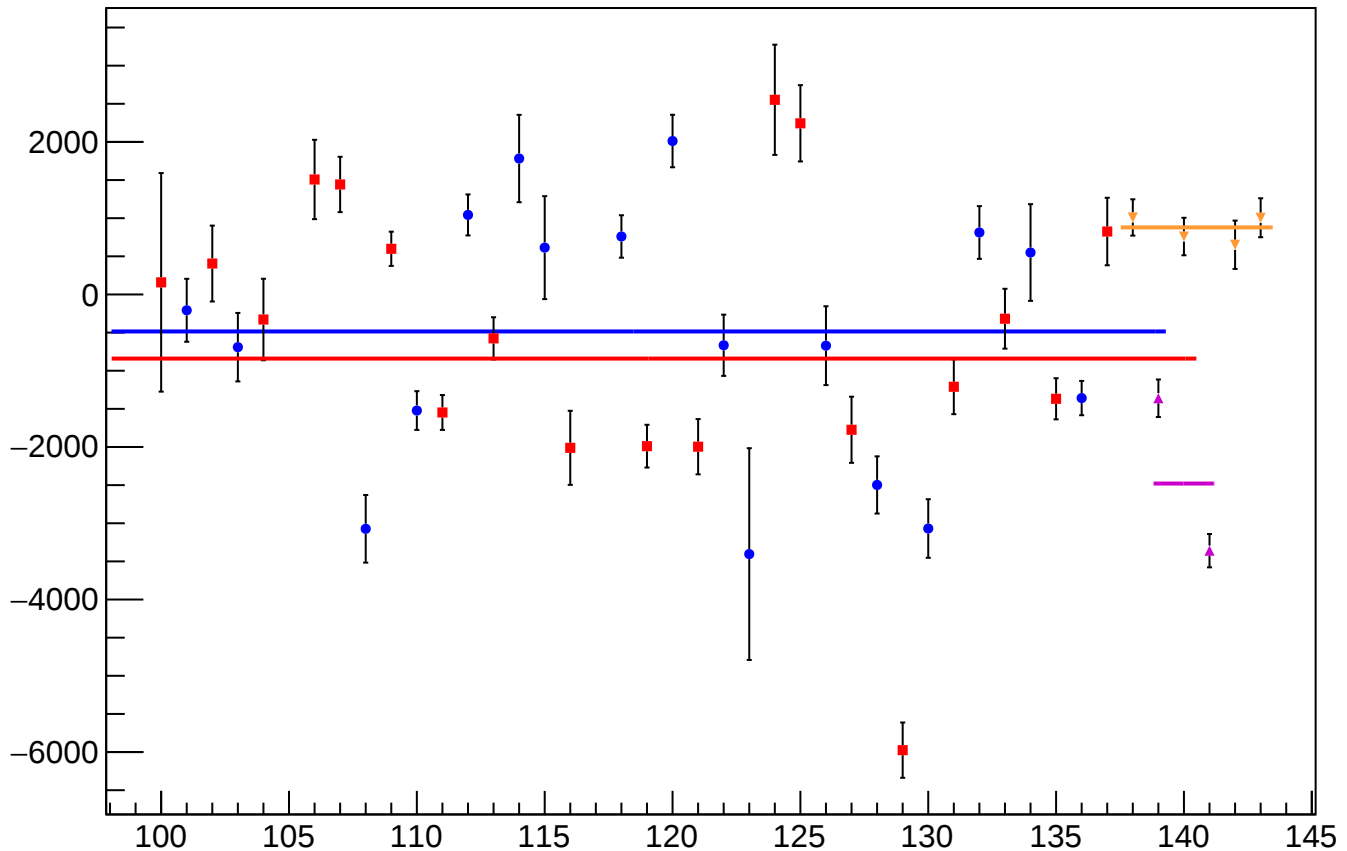
Right: 181.455 $\pm$ 0.037 χ^2 /NDF: 2309563.7/35

In: 188.257 $\pm$ 0.049 χ^2 /NDF: 980512.1/18

Out: 179.975 $\pm$ 0.043 χ^2 /NDF: 1343482.9/22

All: 183.592 $\pm$ 0.032 χ^2 /NDF: 2340394.0/41

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -485.036+/-88.788 χ^2/NDF : 285.3/16

Left Out: 879.163+/-129.658 χ^2/NDF : 1.3/3

Right Out: -840.594+/-82.233 χ^2/NDF : 438.2/18

Left In: -2479.281+/-163.427 χ^2/NDF : 36.9/1

Left: -418.168+/-101.573 χ^2/NDF : 297.3/5

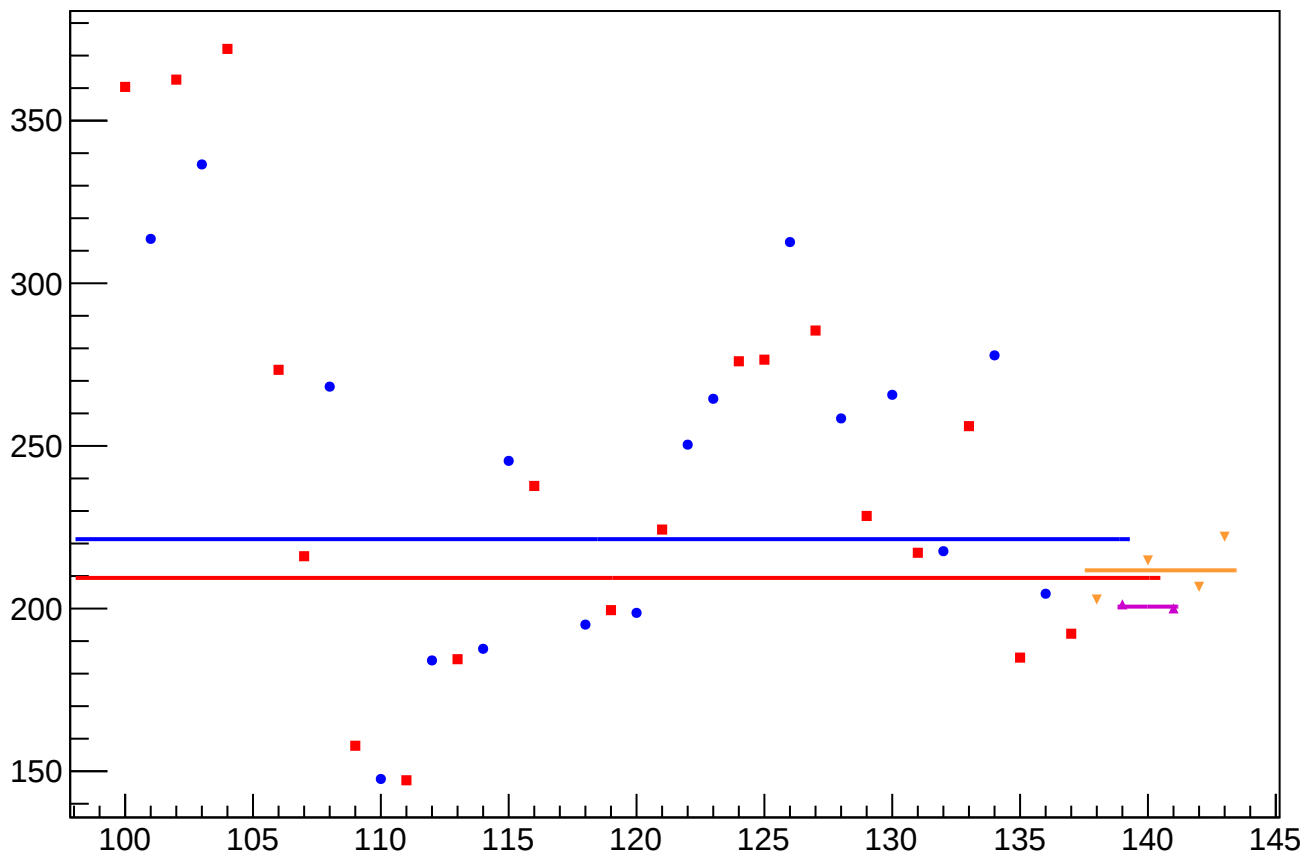
Right: -676.425+/-60.332 χ^2/NDF : 732.1/35

In: -939.520+/-78.018 χ^2/NDF : 437.1/18

Out: -347.268+/-69.444 χ^2/NDF : 565.0/22

All: -609.073+/-51.872 χ^2/NDF : 1034.3/41

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.339 ± 0.063 χ^2/NDF : 645507.4/16

Left Out: 211.760 ± 0.092 χ^2/NDF : 6932.8/3

Right Out: 209.428 ± 0.058 χ^2/NDF : 879292.0/18

Left In: 200.599 ± 0.116 χ^2/NDF : 28.6/1

Left: 207.449 ± 0.072 χ^2/NDF : 12686.7/5

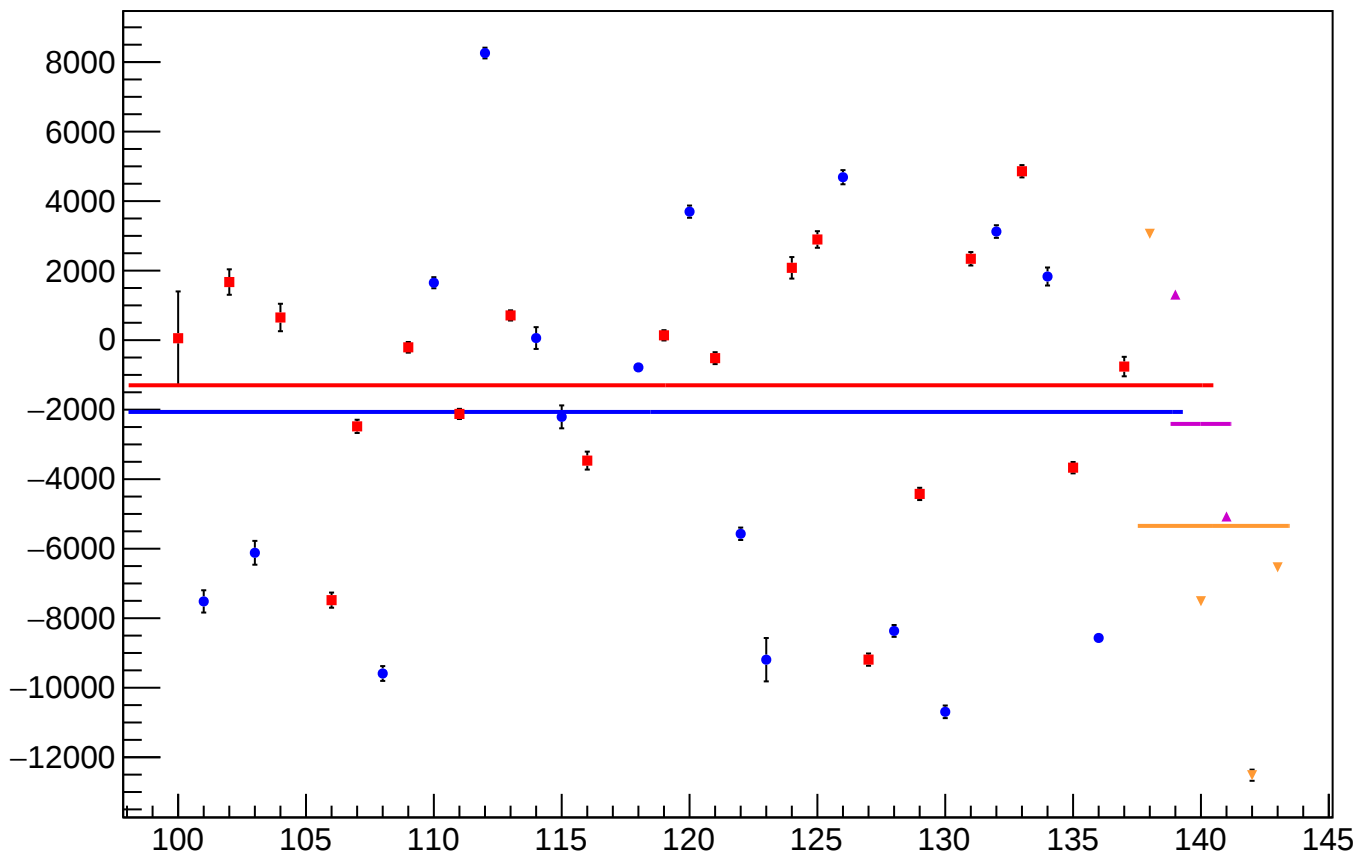
Right: 214.927 ± 0.043 χ^2/NDF : 1544173.7/35

In: 216.612 ± 0.055 χ^2/NDF : 670406.6/18

Out: 210.097 ± 0.049 χ^2/NDF : 886686.3/22

All: 212.977 ± 0.037 χ^2/NDF : 1564875.5/41

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2065.524+/-47.407 χ^2/NDF : 16535.7/16

Left Out: -5343.978+/-65.390 χ^2/NDF : 6616.3/3

Right Out: -1298.632+/-44.980 χ^2/NDF : 5909.5/18

Left In: -2410.016+/-88.461 χ^2/NDF : 1266.1/1

Left: -4307.275+/-52.584 χ^2/NDF : 8593.8/5

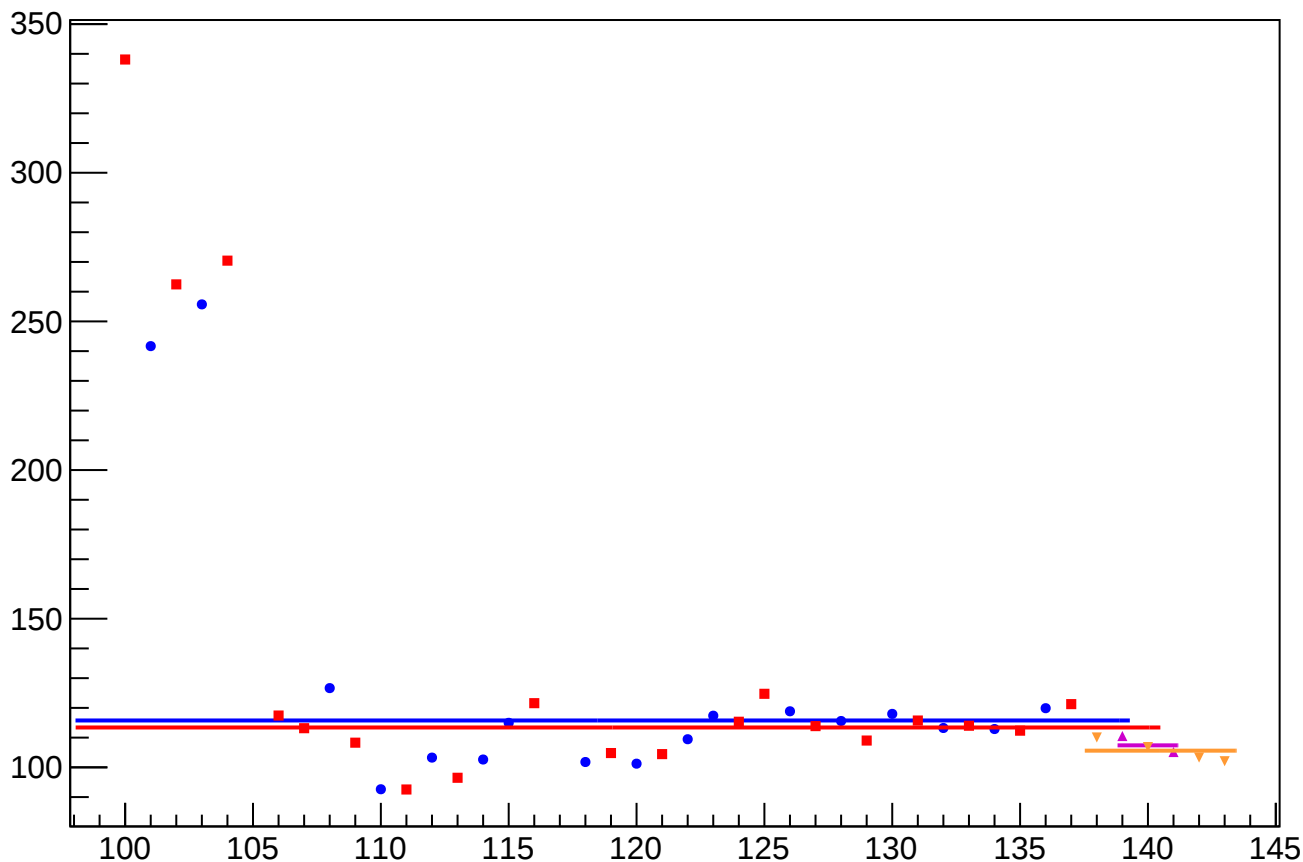
Right: -1661.949+/-32.630 χ^2/NDF : 22582.8/35

In: -2142.386+/-41.785 χ^2/NDF : 17813.6/18

Out: -2597.963+/-37.059 χ^2/NDF : 15123.7/22

All: -2397.382+/-27.726 χ^2/NDF : 33003.9/41

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 115.768 $\pm$ 0.034 χ^2 /NDF: 743657.8/16

Left Out: 105.613 $\pm$ 0.046 χ^2 /NDF: 4758.5/3

Right Out: 113.410 $\pm$ 0.032 χ^2 /NDF: 795303.3/18

Left In: 107.399 $\pm$ 0.063 χ^2 /NDF: 1798.6/1

Left: 106.244 $\pm$ 0.037 χ^2 /NDF: 7084.0/5

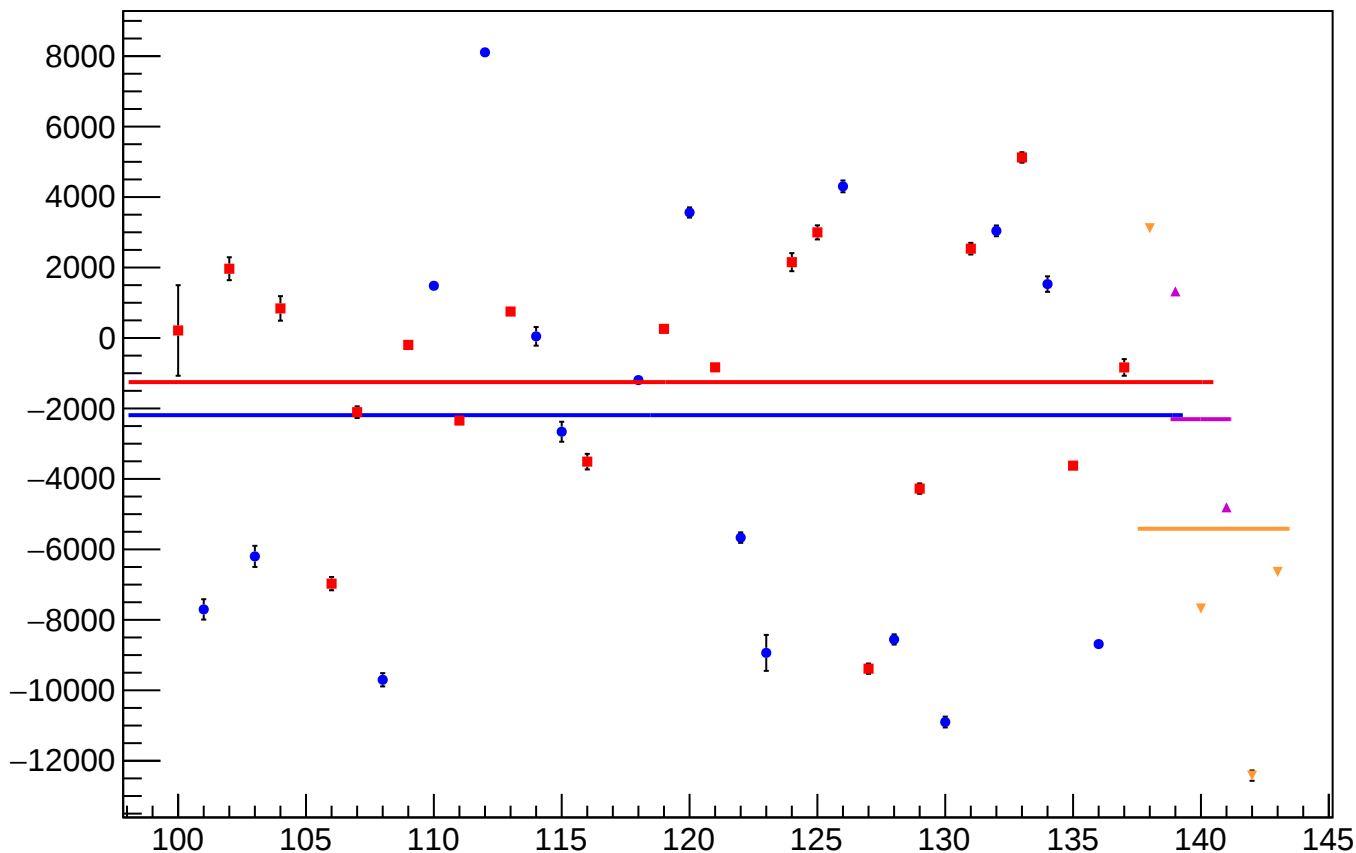
Right: 114.527 $\pm$ 0.023 χ^2 /NDF: 1541564.1/35

In: 113.900 $\pm$ 0.030 χ^2 /NDF: 759364.1/18

Out: 110.906 $\pm$ 0.026 χ^2 /NDF: 819363.8/22

All: 112.224 $\pm$ 0.020 χ^2 /NDF: 1584477.7/41

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2190.242 ± 40.008 $\chi^2/\text{NDF}: 22811.0/16$

Left Out: -5413.625 ± 59.318 $\chi^2/\text{NDF}: 8011.6/3$

Right Out: -1252.225 ± 38.029 $\chi^2/\text{NDF}: 8581.9/18$

Left In: -2304.040 ± 80.922 $\chi^2/\text{NDF}: 1386.0/1$

Left: -4326.755 ± 47.841 $\chi^2/\text{NDF}: 10358.1/5$

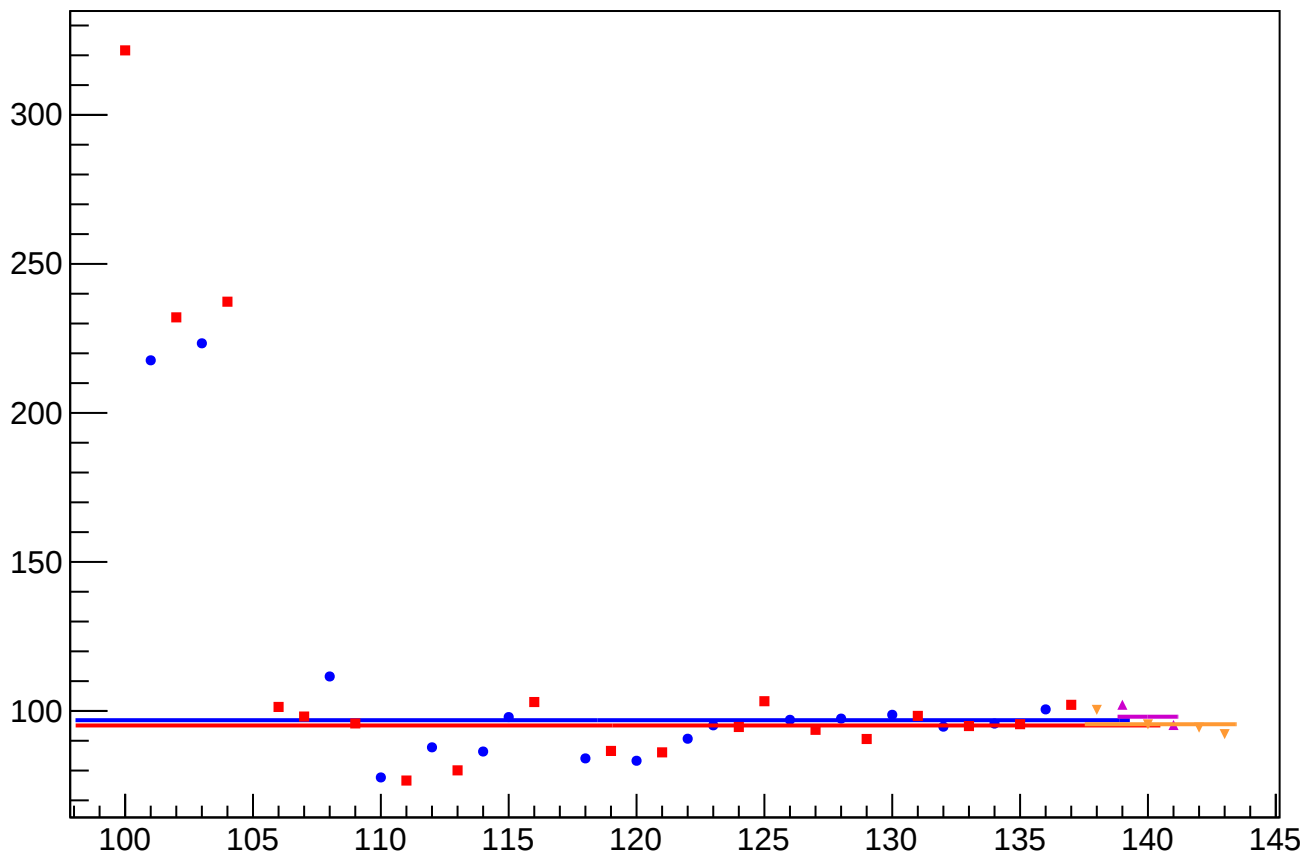
Right: -1697.452 ± 27.564 $\chi^2/\text{NDF}: 31681.6/35$

In: -2212.594 ± 35.864 $\chi^2/\text{NDF}: 24198.6/18$

Out: -2464.375 ± 32.014 $\chi^2/\text{NDF}: 20081.5/22$

All: -2352.719 ± 23.883 $\chi^2/\text{NDF}: 44307.5/41$

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 96.898 $\pm$ 0.028 χ^2 /NDF: 817255.1/16

Left Out: 95.541 $\pm$ 0.042 χ^2 /NDF: 5356.9/3

Right Out: 95.130 $\pm$ 0.027 χ^2 /NDF: 858457.3/18

Left In: 98.067 $\pm$ 0.057 χ^2 /NDF: 3409.4/1

Left: 96.424 $\pm$ 0.034 χ^2 /NDF: 10034.3/5

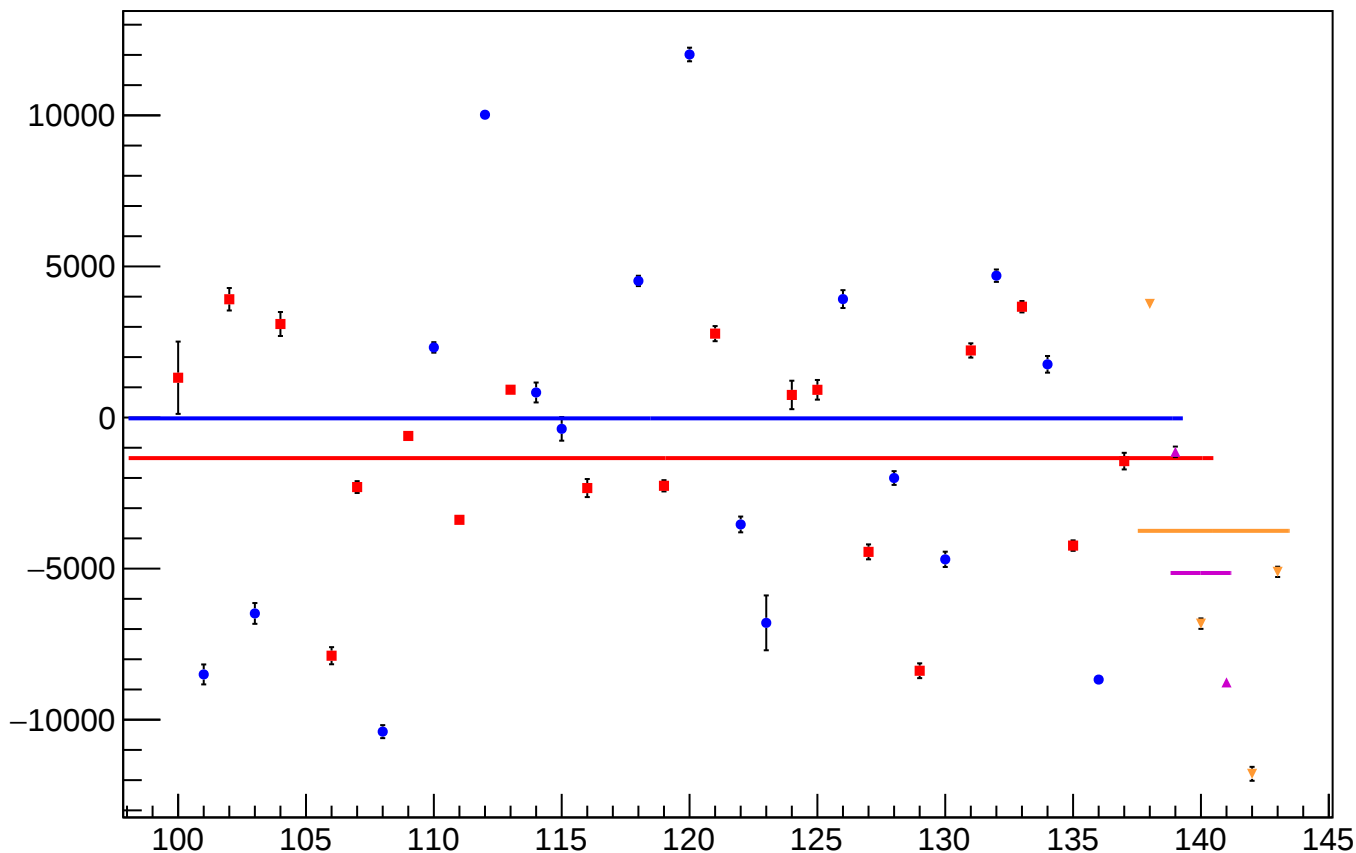
Right: 95.969 $\pm$ 0.019 χ^2 /NDF: 1677765.8/35

In: 97.128 $\pm$ 0.025 χ^2 /NDF: 820999.7/18

Out: 95.249 $\pm$ 0.023 χ^2 /NDF: 863882.2/22

All: 96.082 $\pm$ 0.017 χ^2 /NDF: 1687935.6/41

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -27.457 ± 54.732 $\chi^2/\text{NDF}: 16364.6/16$

Left Out: -3750.050 ± 88.948 $\chi^2/\text{NDF}: 3841.6/3$

Right Out: -1343.122 ± 52.343 $\chi^2/\text{NDF}: 3846.7/18$

Left In: -5144.665 ± 119.813 $\chi^2/\text{NDF}: 1011.0/1$

Left: -4245.577 ± 71.419 $\chi^2/\text{NDF}: 4940.0/5$

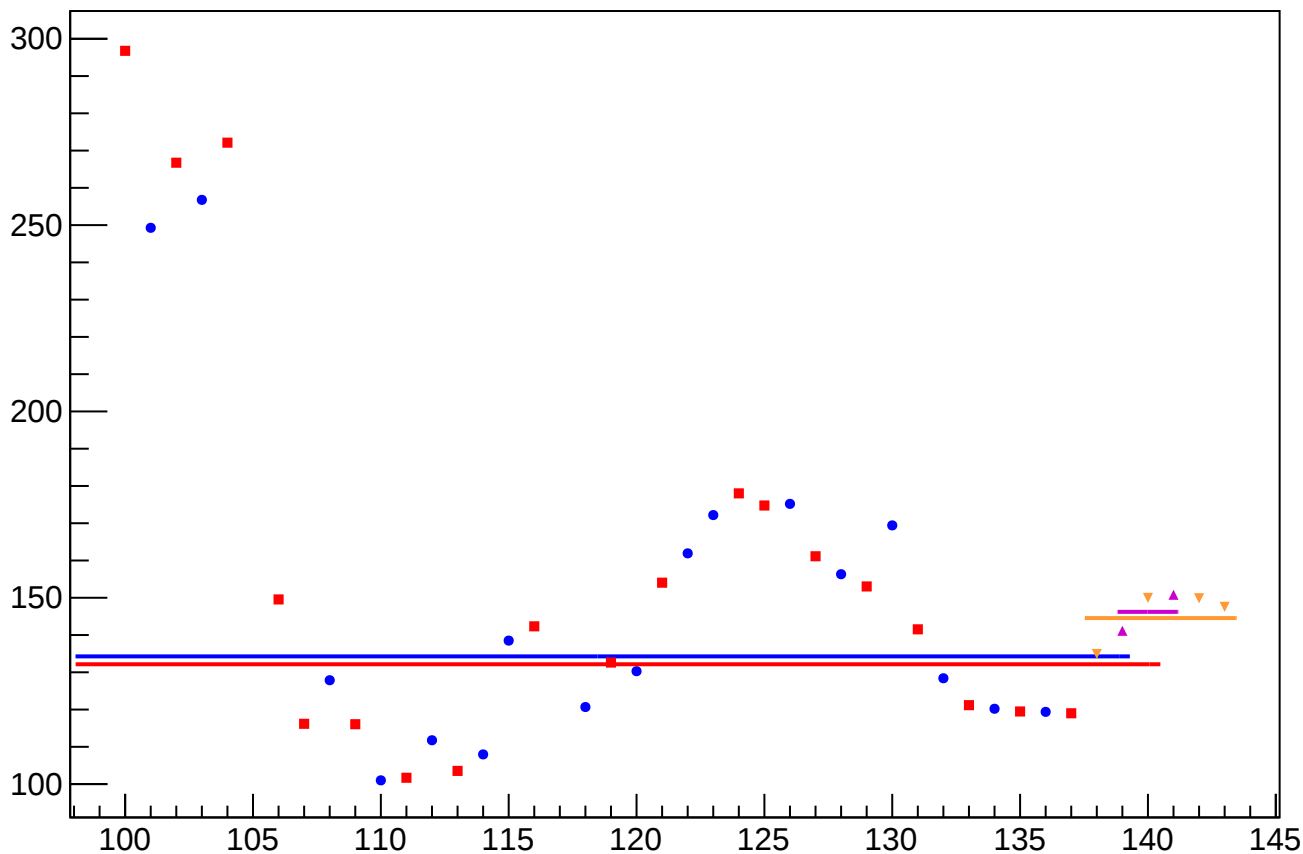
Right: -714.627 ± 37.829 $\chi^2/\text{NDF}: 20513.1/35$

In: -910.939 ± 49.784 $\chi^2/\text{NDF}: 18884.8/18$

Out: -1962.236 ± 45.112 $\chi^2/\text{NDF}: 8232.2/22$

All: -1488.219 ± 33.429 $\chi^2/\text{NDF}: 27361.8/41$

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 134.270 $\pm$ 0.039 χ^2/NDF : 787098.5/16

Left Out: 144.547 $\pm$ 0.063 χ^2/NDF :11042.2/3

Right Out: 132.155 $\pm$ 0.037 χ^2/NDF : 865020.1/18

Left In: 146.222 $\pm$ 0.085 χ^2/NDF :3246.4/1

Left: 145.142 $\pm$ 0.051 χ^2/NDF : 14540.5/5

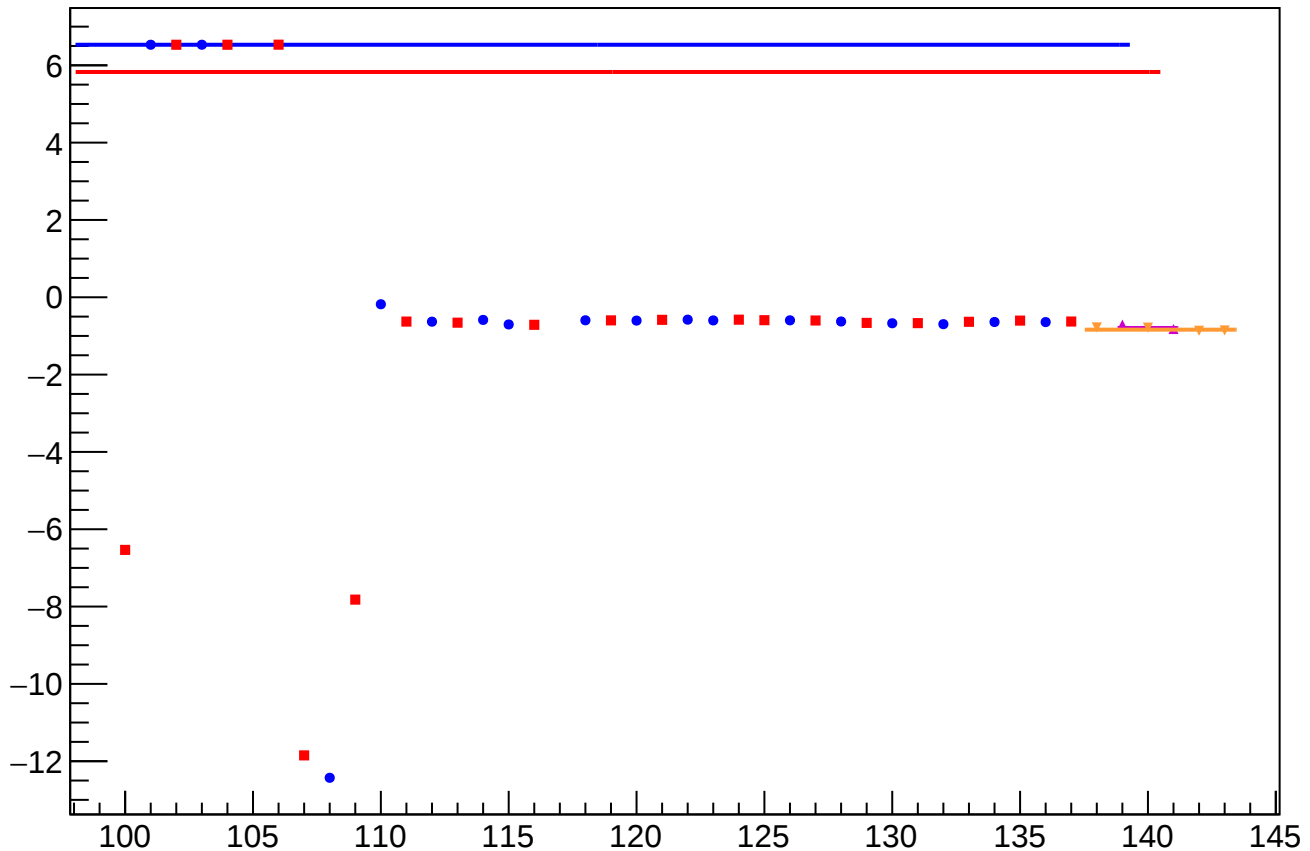
Right: 133.165 $\pm$ 0.027 χ^2/NDF : 1653679.5/35

In: 136.334 $\pm$ 0.035 χ^2/NDF :806810.1/18

Out: 135.342 $\pm$ 0.032 χ^2/NDF :904899.6/22

All: 135.789 $\pm$ 0.024 χ^2/NDF : 1712145.3/41

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532+/-0.000 χ^2/NDF : 127565119308.7/16

Left Out: -0.838+/-0.000 χ^2/NDF : 2898054.0/3

Right Out: 5.827+/-0.000 χ^2/NDF : 755947318870738.2/18

Left In: -0.794+/-0.000 χ^2/NDF : 1568950.4/1

Left: -0.827+/-0.000 χ^2/NDF : 5465886.8/5

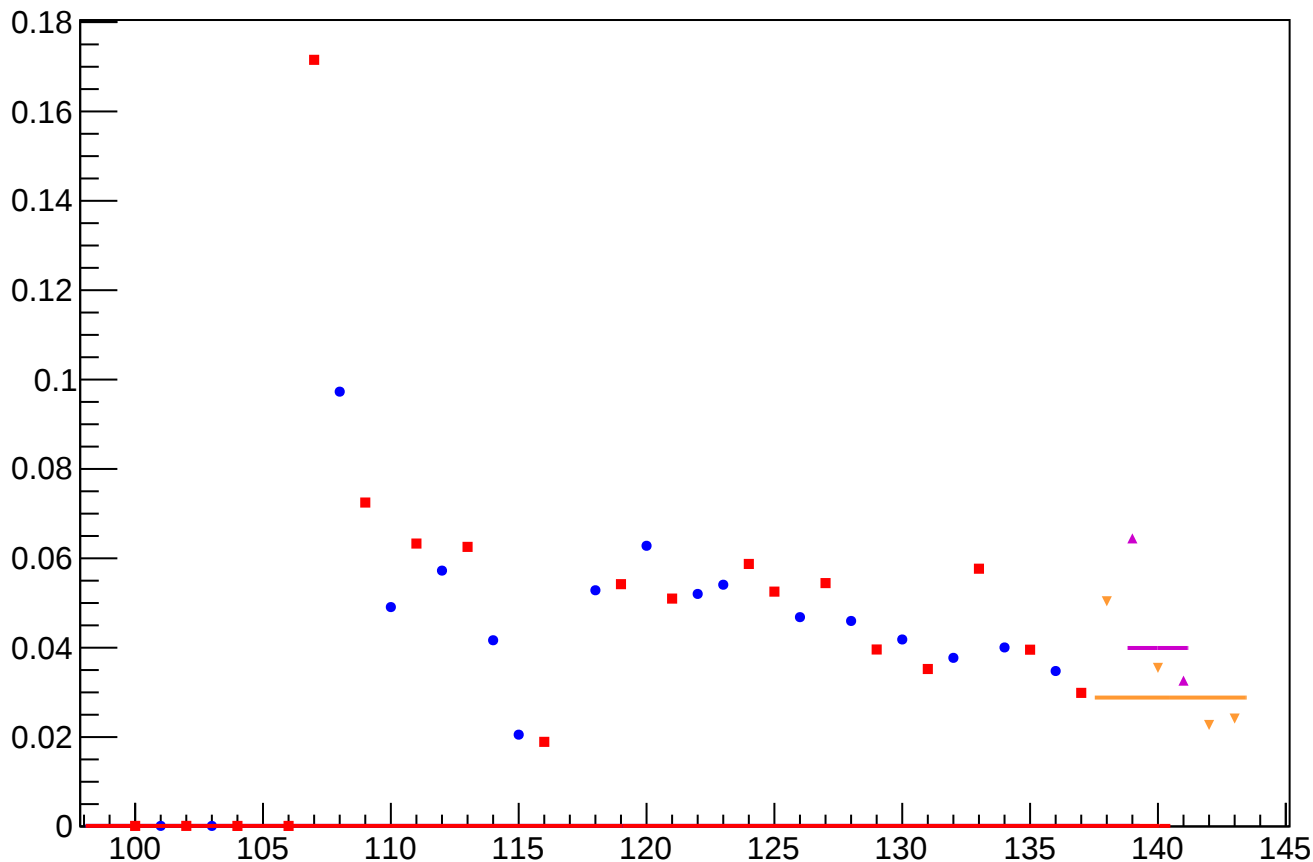
Right: 6.155+/-0.000 χ^2/NDF : 776078051369928.0/16

In: 6.532+/-0.000 χ^2/NDF : 164407941054.6/18

Out: 5.827+/-0.000 χ^2/NDF : 756044618393392.4/18

All: 6.155+/-0.000 χ^2/NDF : 77621829171844.0/32

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9008104.3/16

Left Out: 0.029+/-0.000 χ^2/NDF : 345173.0/3

Right Out: 0.000+/-0.000 χ^2/NDF : 9347467.6/18

Left In: 0.040+/-0.000 χ^2/NDF : 245992.8/1

Left: 0.031+/-0.000 χ^2/NDF : 719884.0/5

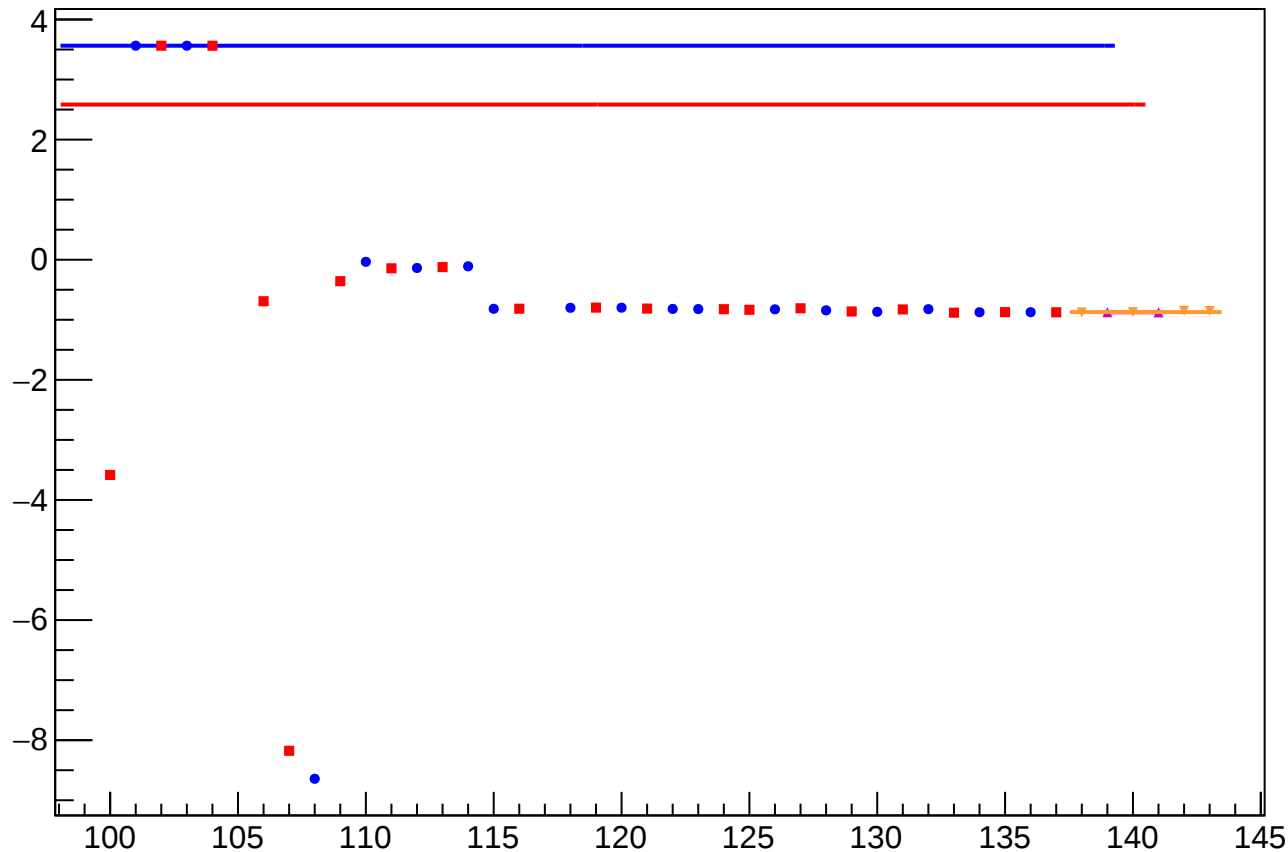
Right: 0.000+/-0.000 χ^2/NDF : 18355822.2/35

In: 0.000+/-0.000 χ^2/NDF : 11430314.1/18

Out: 0.000+/-0.000 χ^2/NDF : 13304963.5/22

All: 0.000+/-0.000 χ^2/NDF : 24735435.5/41

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000 χ^2/NDF : 485019512048.0/16

Left Out: -0.872+/-0.000 χ^2/NDF : 2063380.7/3

Right Out: 2.583+/-0.000 χ^2/NDF : 1253504623679499.2/18

Left In: -0.875+/-0.000 χ^2/NDF : 25652.9/1

Left: -0.873+/-0.000 χ^2/NDF : 2234687.4/5

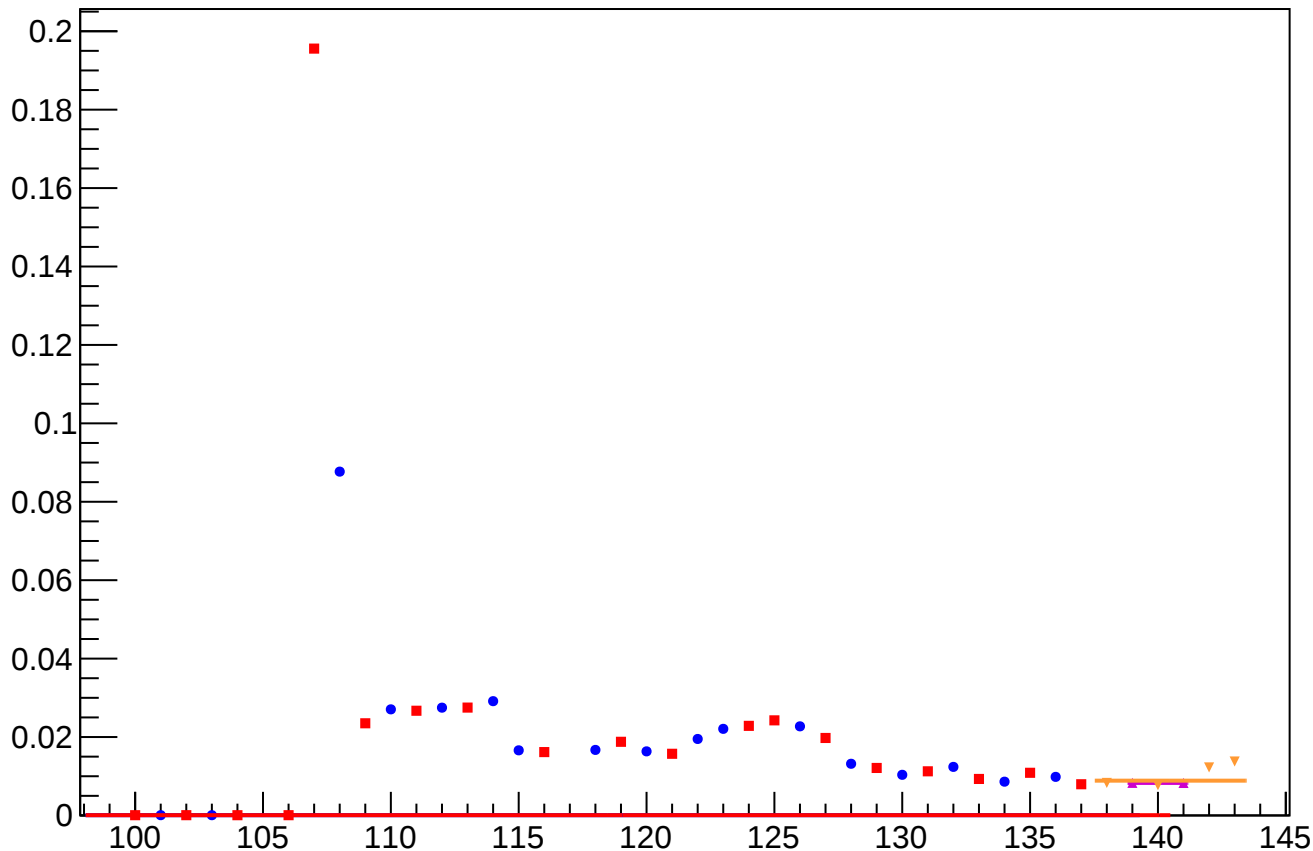
Right: 3.040+/-0.000 χ^2/NDF : 1382260831198329.0

In: 3.563+/-0.000 χ^2/NDF : 906543341241.6/18

Out: 2.583+/-0.000 χ^2/NDF : 1253837145467909.5

All: 3.040+/-0.000 χ^2/NDF : 13830151642756.0

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9814021.8/16

Left Out: 0.009+/-0.000 χ^2/NDF :222968.5/3

Right Out: 0.000+/-0.000 χ^2/NDF : 9837255.2/18

Left In: 0.008+/-0.000 χ^2/NDF :6.7/1

Left: 0.009+/-0.000 χ^2/NDF : 230953.3/5

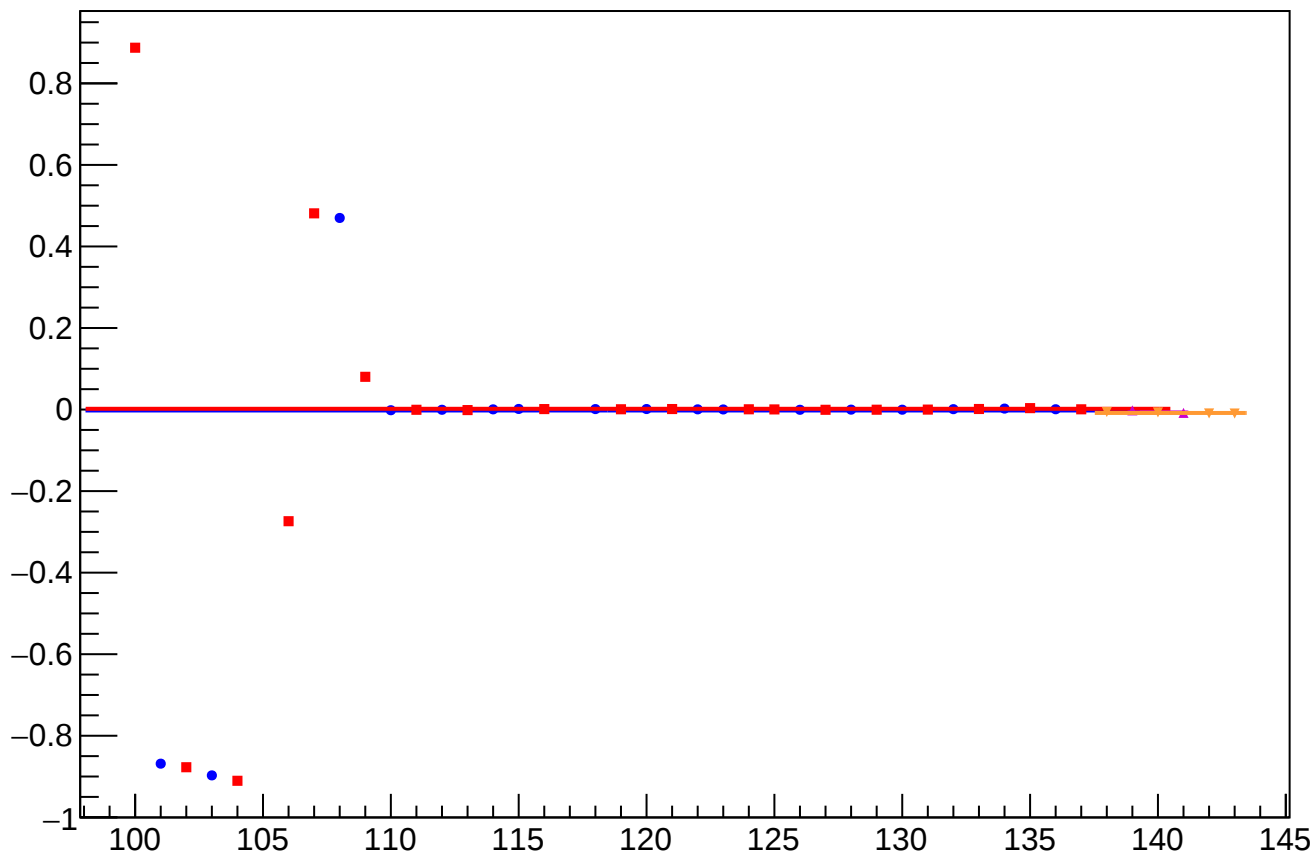
Right: 0.000+/-0.000 χ^2/NDF : 19651558.2/35

In: 0.000+/-0.000 χ^2/NDF :12713007.2/18

Out: 0.000+/-0.000 χ^2/NDF :14379982.9/22

All: 0.000+/-0.000 χ^2/NDF : 27093193.8/41

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.000

χ^2/NDF : 9795455603.3/16

Left: -0.008+/-0.000

χ^2/NDF : 5020063.8/5

Left Out: -0.008+/-0.000

χ^2/NDF : 2318972.3/3

Right: -0.000+/-0.000

χ^2/NDF : 12850553248.4/35

Right Out: 0.002+/-0.000

χ^2/NDF : 3041330797.2/18

In: -0.003+/-0.000

χ^2/NDF : 9805256433.2/18

Out: -0.002+/-0.000

χ^2/NDF : 3105818467.1/22

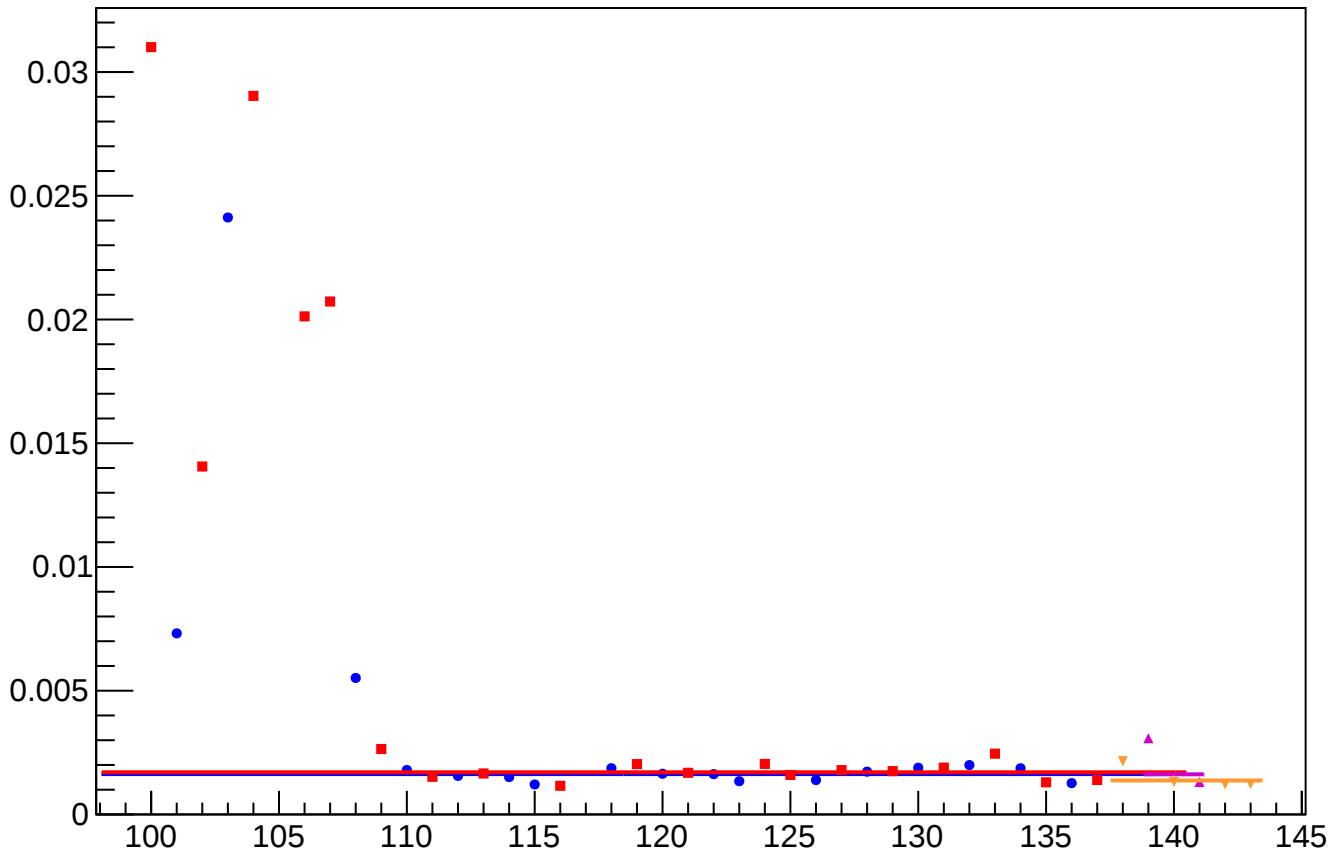
Left In: -0.007+/-0.000

χ^2/NDF : 2238695.5/1

All: -0.003+/-0.000

χ^2/NDF : 12912413234.8/1

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1922148.8/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:182512.0/3

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3024458.4/18

Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:366929.9/1

Left: 0.001 $\pm$ 0.000 χ^2 /NDF: 585122.2/5

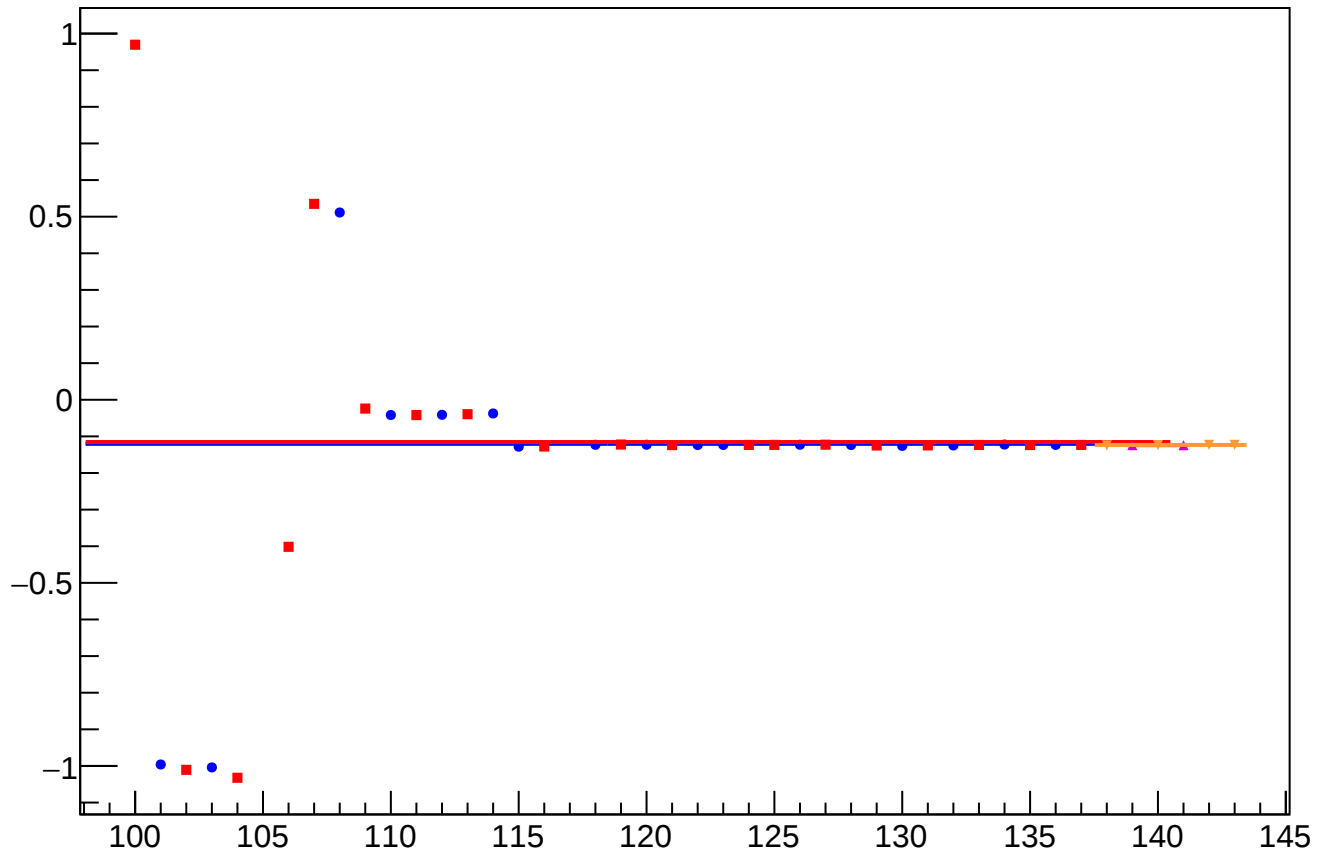
Right: 0.002 $\pm$ 0.000 χ^2 /NDF: 4954975.3/35

In: 0.002 $\pm$ 0.000 χ^2 /NDF:2289141.4/18

Out: 0.002 $\pm$ 0.000 χ^2 /NDF:3337789.6/22

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5633905.2/41

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.120+/-0.000 χ^2/NDF : 3932772427.7/16

Left Out: -0.123+/-0.000 χ^2/NDF : 458675.3/3

Right Out: -0.115+/-0.000 χ^2/NDF : 2456433698.5/18

Left In: -0.124+/-0.000 χ^2/NDF : 7495.7/1

Left: -0.124+/-0.000 χ^2/NDF : 647842.4/5

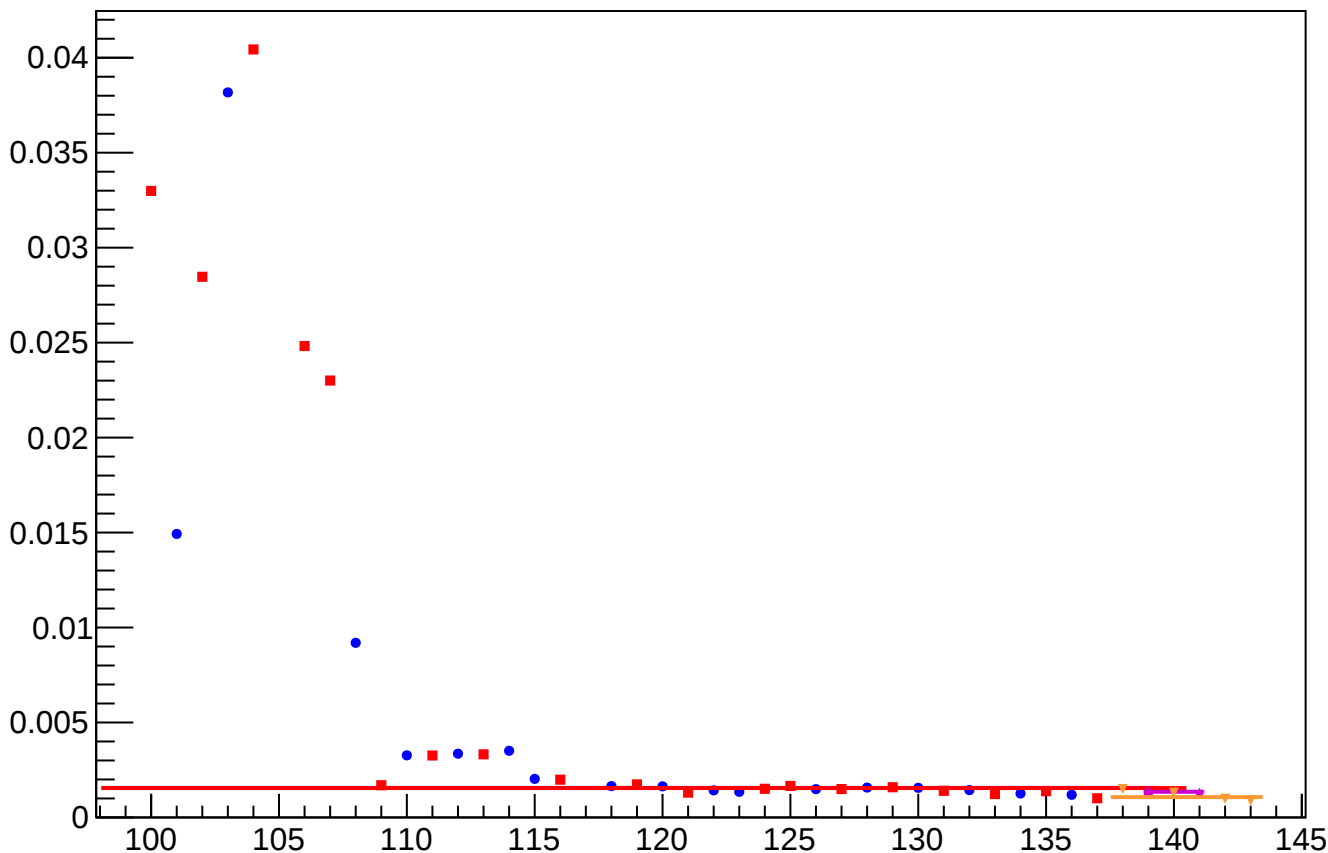
Right: -0.118+/-0.000 χ^2/NDF : 6412289085.1/35

In: -0.121+/-0.000 χ^2/NDF : 3939646551.0/18

Out: -0.120+/-0.000 χ^2/NDF : 2519619723.5/22

All: -0.120+/-0.000 χ^2/NDF : 6464257100.3/4

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 2898219.2/16

Left Out: 0.001+/-0.000 χ^2/NDF :219178.1/3

Right Out: 0.002+/-0.000 χ^2/NDF : 3535649.7/18

Left In: 0.001+/-0.000 χ^2/NDF :4216.6/1

Left: 0.001 ± 0.000 χ^2/NDF : 307850.3/5

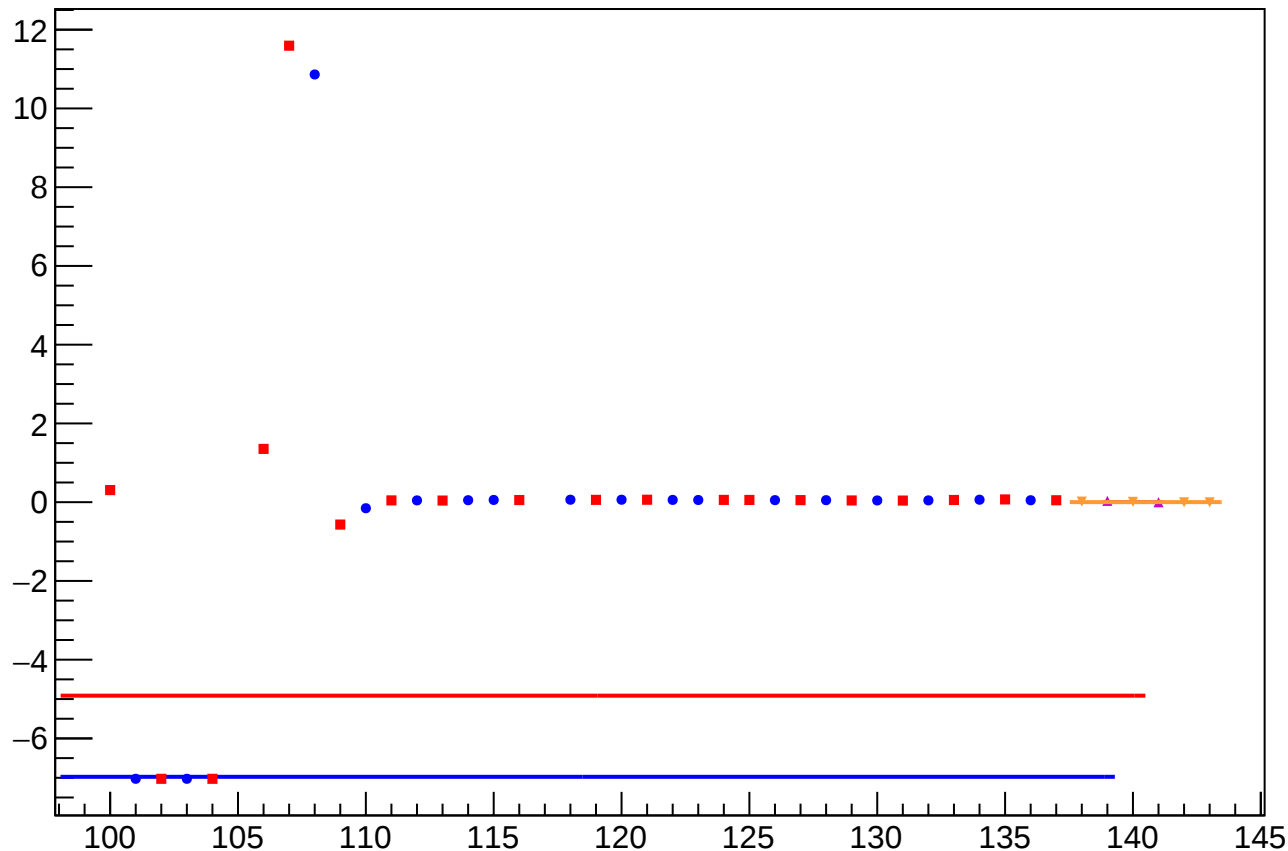
Right: 0.002+/-0.000 χ^2/NDF : 6434006.7/35

In: 0.002+/-0.000 χ^2/NDF :2944861.7/18

Out: 0.001+/-0.000 χ^2/NDF :4200948.6/22

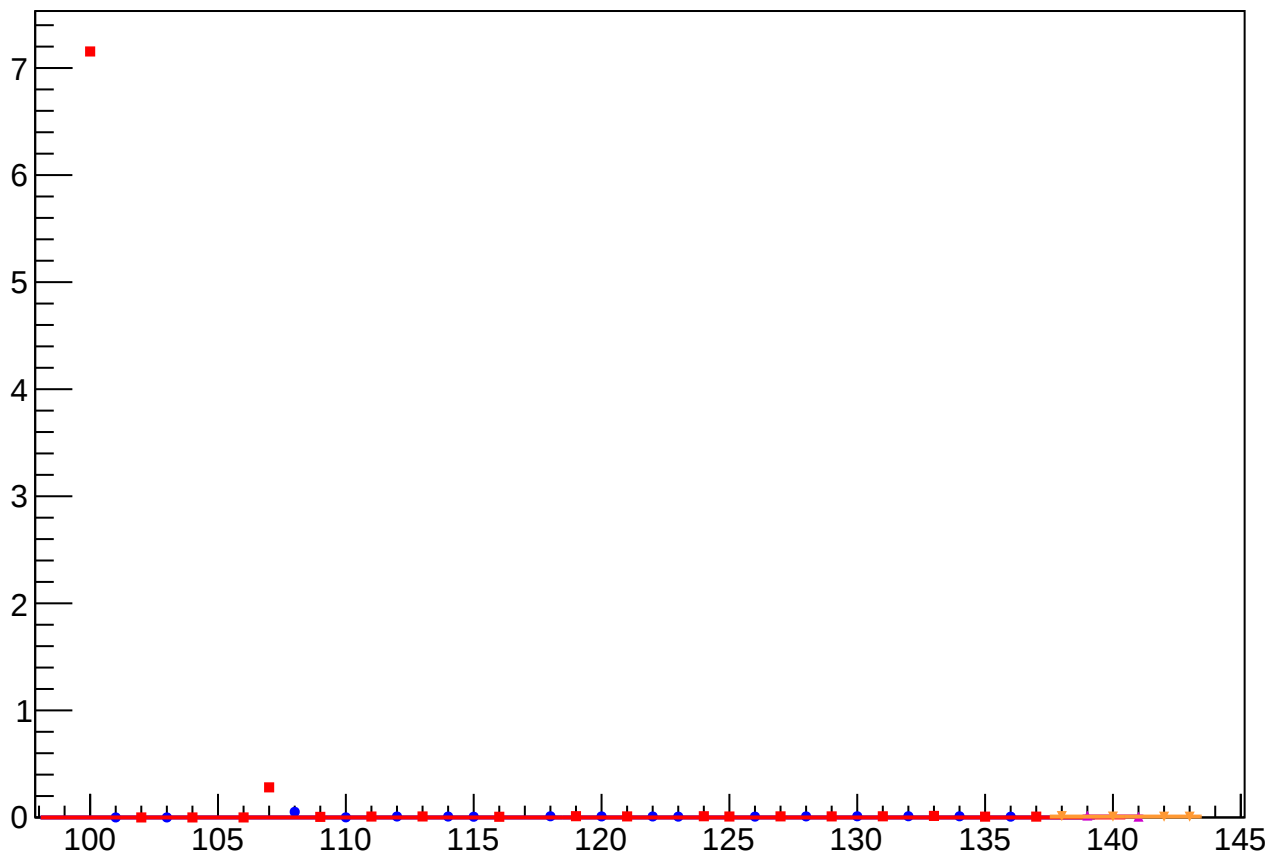
All: 0.001+/-0.000 χ^2/NDF : 7272046.0/41

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975 ± 0.000 χ^2/NDF : 8797358006083.6/16
 Left Out: 0.002 ± 0.000 χ^2/NDF : 1555166.6/3
 Right Out: -4.914 ± 0.000 χ^2/NDF : 365352656389636.4/18
 Left In: 0.004 ± 0.000 χ^2/NDF : 2309134.5/1
 Left: 0.002 ± 0.000 χ^2/NDF : 3918842.7/5
 Right: -5.900 ± 0.000 χ^2/NDF : 430333266539126.9
 In: -6.971 ± 0.000 χ^2/NDF : 9390354780039.6/18
 Out: -4.909 ± 0.000 χ^2/NDF : 366027579465599.9
 All: -5.895 ± 0.000 χ^2/NDF : 4317305765170

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8350428.8/16

Left Out: 0.008+/-0.000 χ^2/NDF :180664.4/3

Right Out: 0.000+/-0.000 χ^2/NDF : 8775433.1/18

Left In: 0.009+/-0.000 χ^2/NDF :364855.7/1

Left: 0.009+/-0.000 χ^2/NDF : 569687.8/5

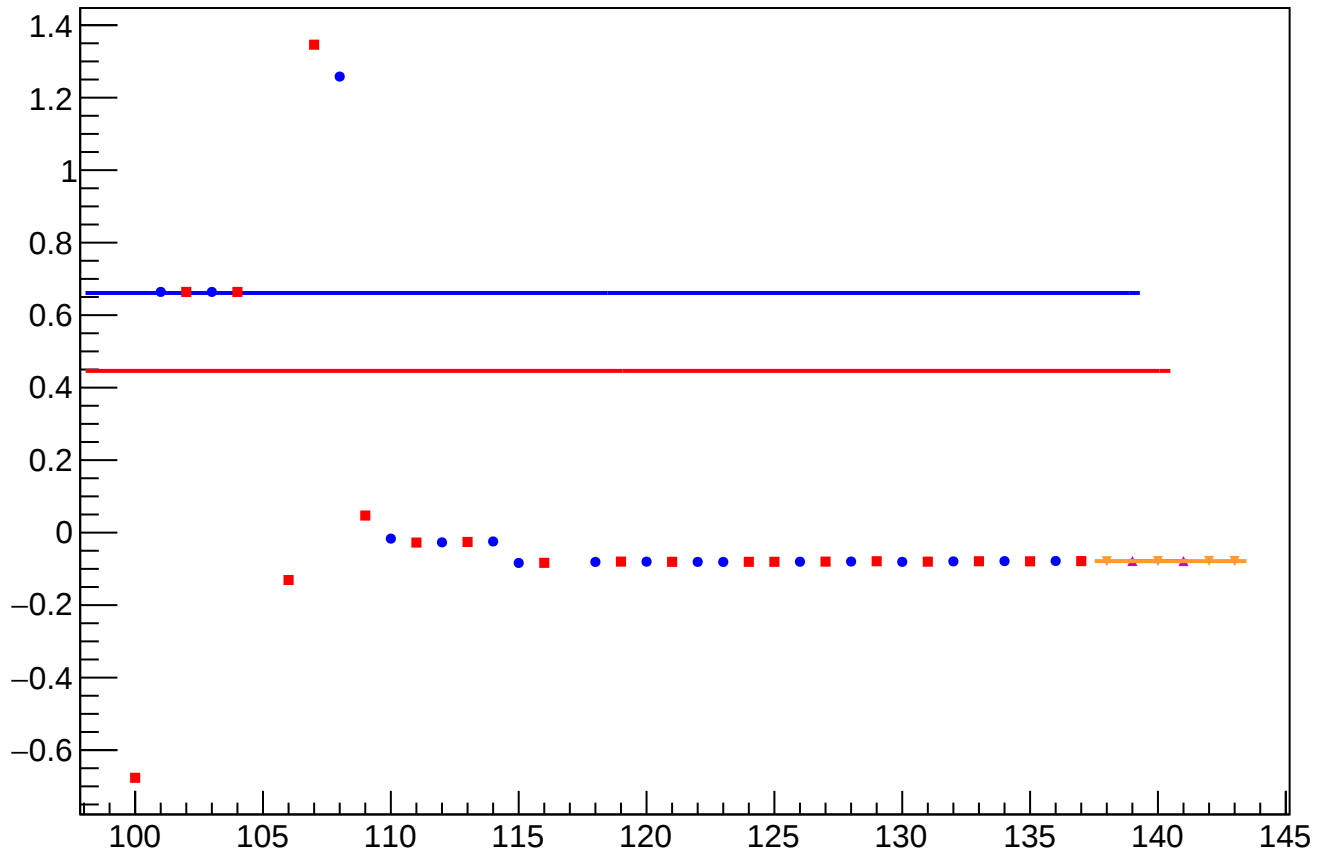
Right: 0.000+/-0.000 χ^2/NDF : 17126212.9/35

In: 0.000+/-0.000 χ^2/NDF :10777126.4/18

Out: 0.000+/-0.000 χ^2/NDF :12542475.2/22

All: 0.000+/-0.000 χ^2/NDF : 23319601.7/41

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661+/-0.000 χ^2/NDF : 5658672217179.3/16

Left Out: -0.079+/-0.000 χ^2/NDF : 482608.4/3

Right Out: 0.446+/-0.000 χ^2/NDF : 405428422570886.0/18

Left In: -0.078+/-0.000 χ^2/NDF : 5731.0/1

Left: -0.078+/-0.000 χ^2/NDF : 528090.0/5

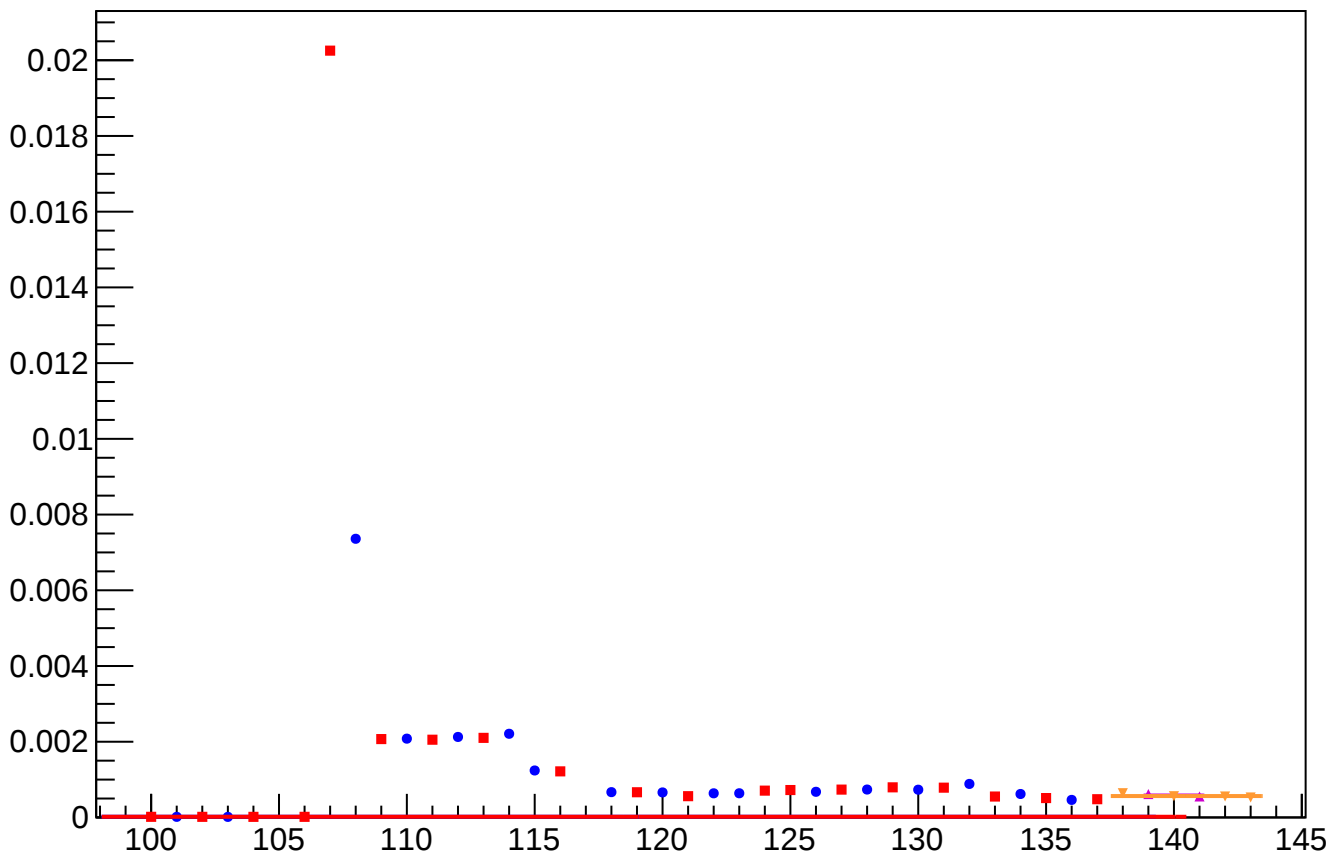
Right: 0.549+/-0.000 χ^2/NDF : 474000383494468.1/16

In: 0.660+/-0.000 χ^2/NDF : 8022062251209.3/18

Out: 0.445+/-0.000 χ^2/NDF : 407640019666925.1/16

All: 0.547+/-0.000 χ^2/NDF : 47886208358973.0/32

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9958320.7/16

Left Out: 0.001+/-0.000 χ^2/NDF : 27188.3/3

Right Out: 0.000+/-0.000 χ^2/NDF : 9460895.3/18

Left In: 0.001+/-0.000 χ^2/NDF : 8225.6/1

Left: 0.001+/-0.000 χ^2/NDF : 36611.2/5

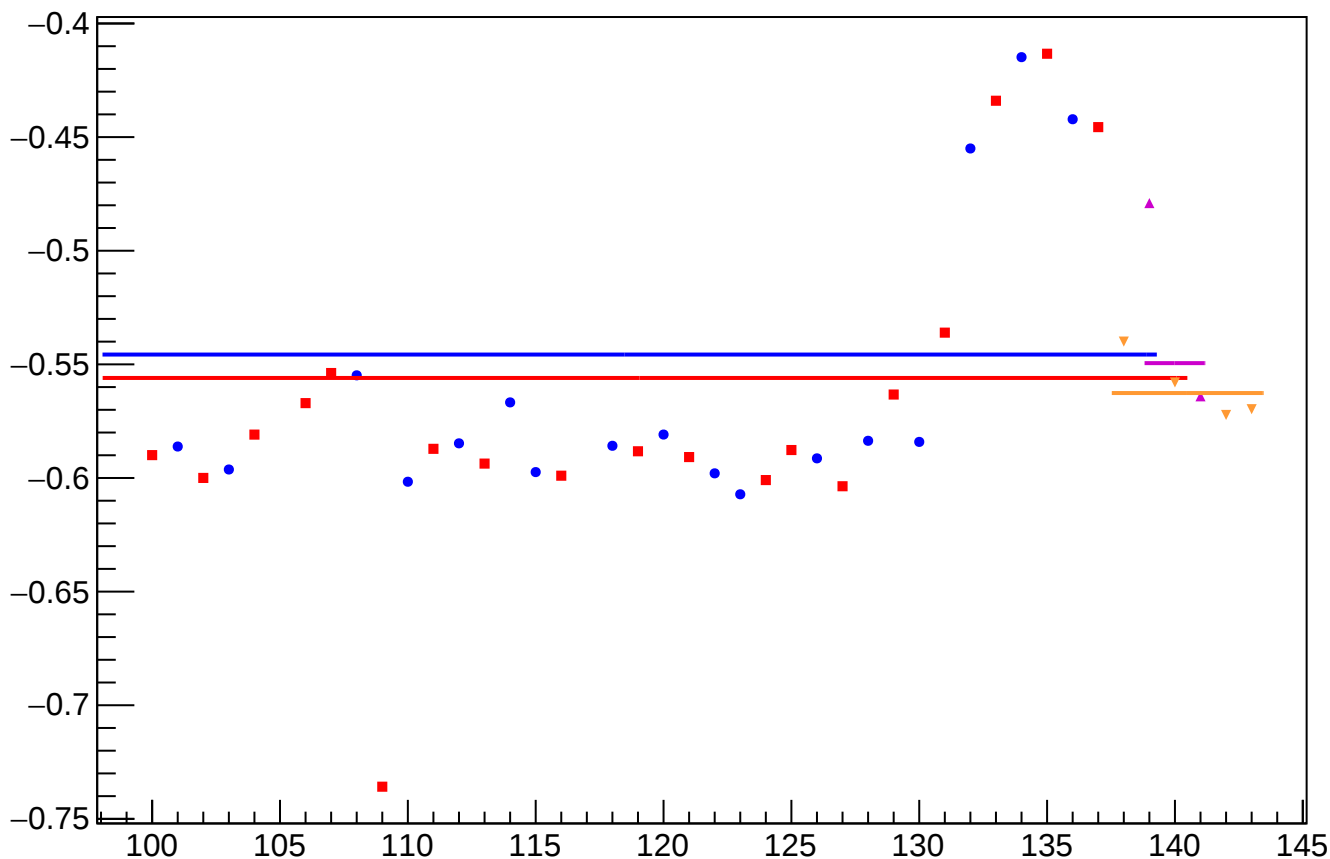
Right: 0.000+/-0.000 χ^2/NDF : 19419231.6/35

In: 0.000+/-0.000 χ^2/NDF : 12691681.4/18

Out: 0.000+/-0.000 χ^2/NDF : 14294441.2/22

All: 0.000+/-0.000 χ^2/NDF : 26986898.1/41

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.546+/-0.000 χ^2/NDF : 46331446.0/16

Left Out: -0.563+/-0.000 χ^2/NDF : 634110.0/3

Right Out: -0.556+/-0.000 χ^2/NDF : 64058429.8/18

Left In: -0.549+/-0.000 χ^2/NDF : 2453960.7/1

Left: -0.559+/-0.000 χ^2/NDF : 3380938.5/5

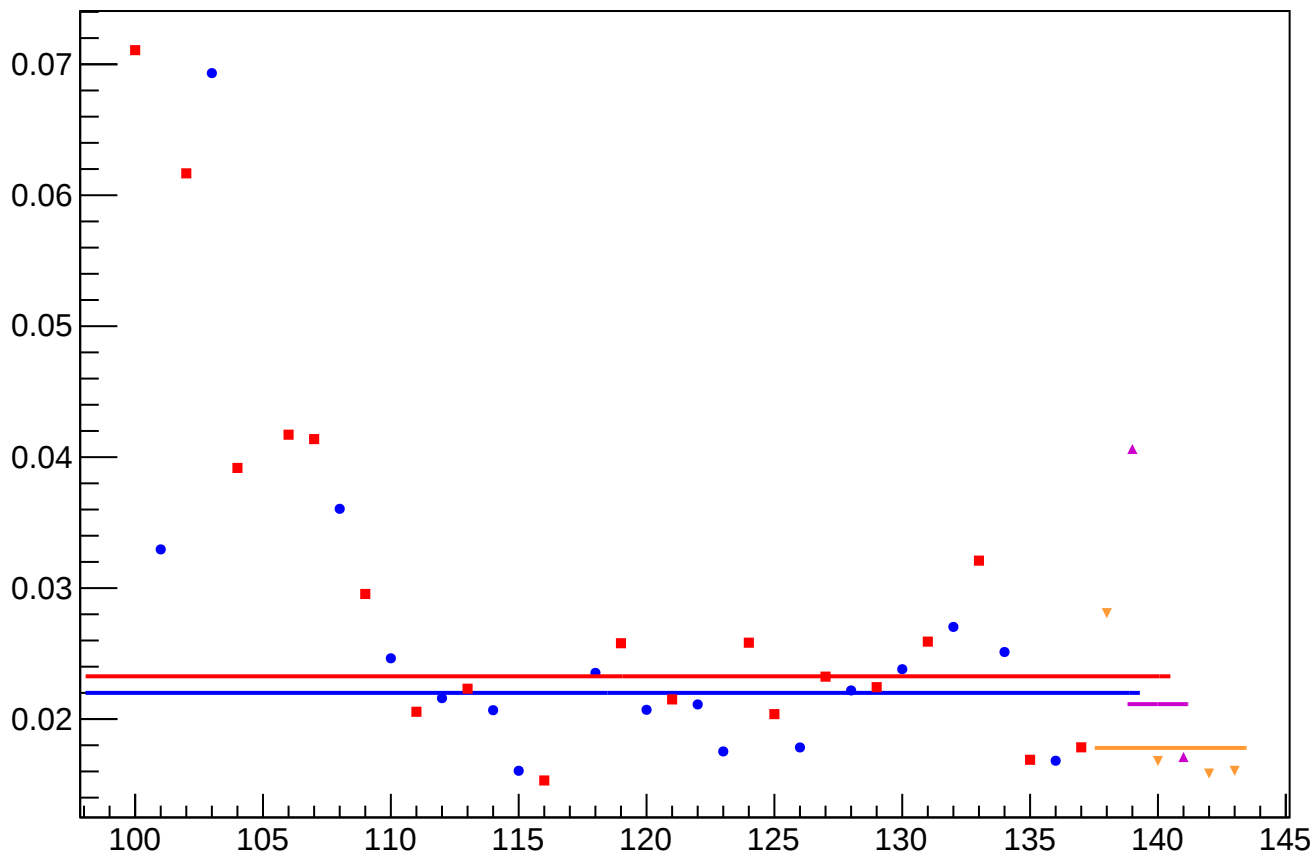
Right: -0.551+/-0.000 χ^2/NDF : 110929363.5/35

In: -0.546+/-0.000 χ^2/NDF : 48813147.4/18

Out: -0.558+/-0.000 χ^2/NDF : 64853267.0/22

All: -0.553+/-0.000 χ^2/NDF : 114696472.7/41

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 959677.4/16

Left Out: 0.018+/-0.000 χ^2/NDF :183582.6/3

Right Out: 0.023+/-0.000 χ^2/NDF : 1155060.8/18

Left In: 0.021+/-0.000 χ^2/NDF :375635.3/1

Left: 0.019+/-0.000 χ^2/NDF : 597040.2/5

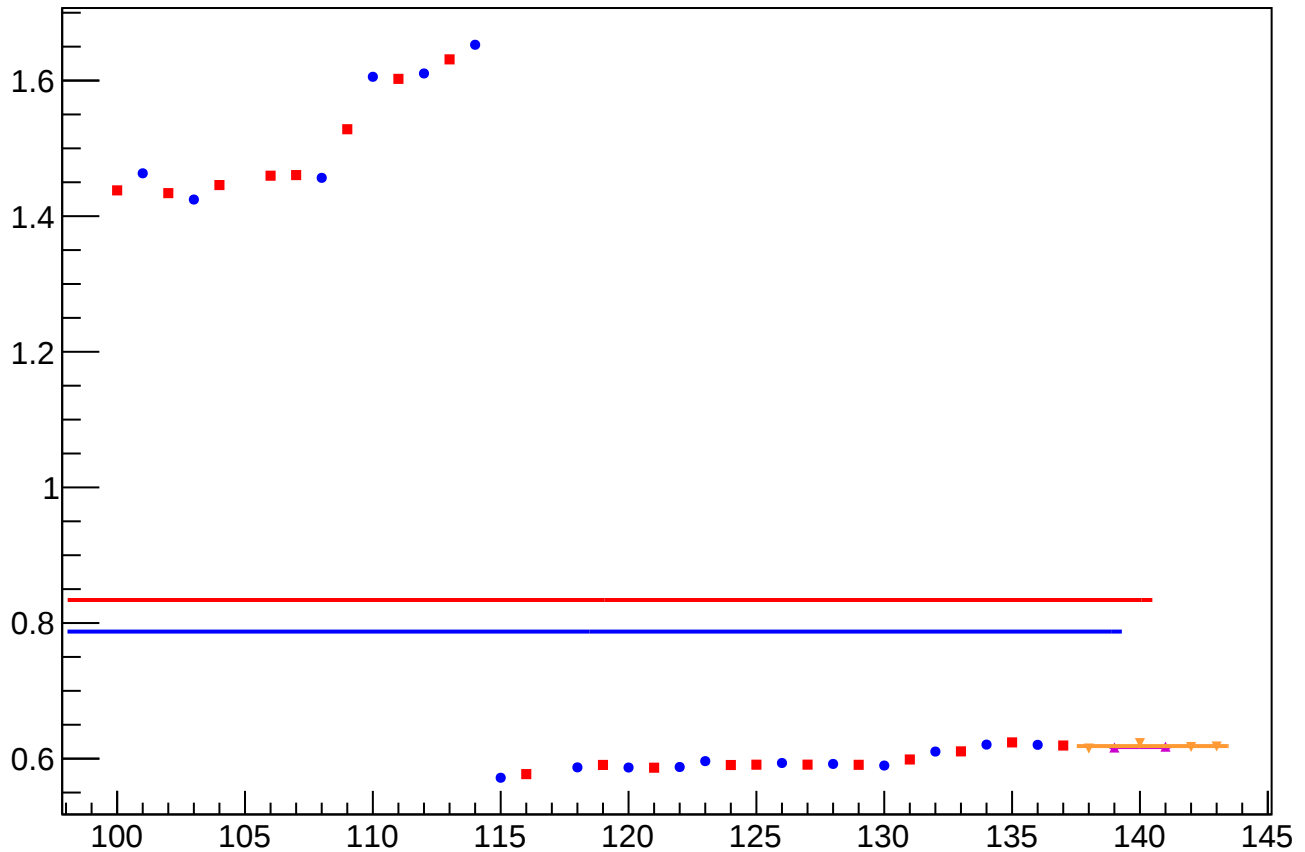
Right: 0.023+/-0.000 χ^2/NDF : 2131038.0/35

In: 0.022+/-0.000 χ^2/NDF :1338183.9/18

Out: 0.021+/-0.000 χ^2/NDF :1556974.2/22

All: 0.022+/-0.000 χ^2/NDF : 2900352.8/41

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.787 $\pm$ 0.000 χ^2 /NDF: 3581416919.1/16

Left Out: 0.619 $\pm$ 0.000 χ^2 /NDF:181735.9/3

Right Out: 0.834 $\pm$ 0.000 χ^2 /NDF: 4150651936.4/18

Left In: 0.617 $\pm$ 0.000 χ^2 /NDF:4218.5/1

Left: 0.618 $\pm$ 0.000 χ^2 /NDF: 200357.0/5

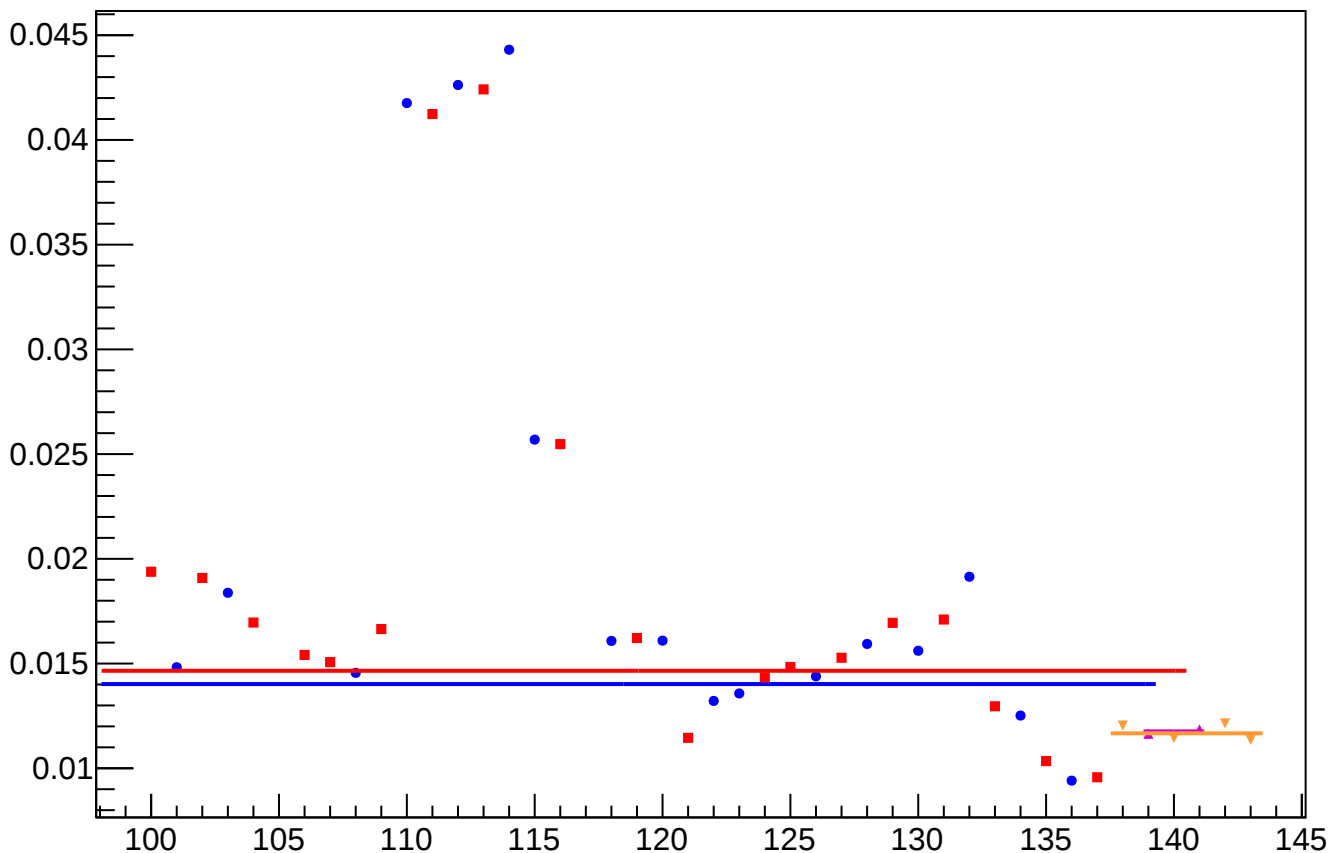
Right: 0.810 $\pm$ 0.000 χ^2 /NDF: 7762825893.7/35

In: 0.741 $\pm$ 0.000 χ^2 /NDF:3807166905.4/18

Out: 0.746 $\pm$ 0.000 χ^2 /NDF:4679491010.0/22

All: 0.744 $\pm$ 0.000 χ^2 /NDF: 8487129261.2/41

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1399935.4/16

Left Out: 0.012+/-0.000 χ^2/NDF :4346.9/3

Right Out: 0.015+/-0.000 χ^2/NDF : 1262071.4/18

Left In: 0.012+/-0.000 χ^2/NDF :239.4/1

Left: 0.012+/-0.000 χ^2/NDF : 4703.1/5

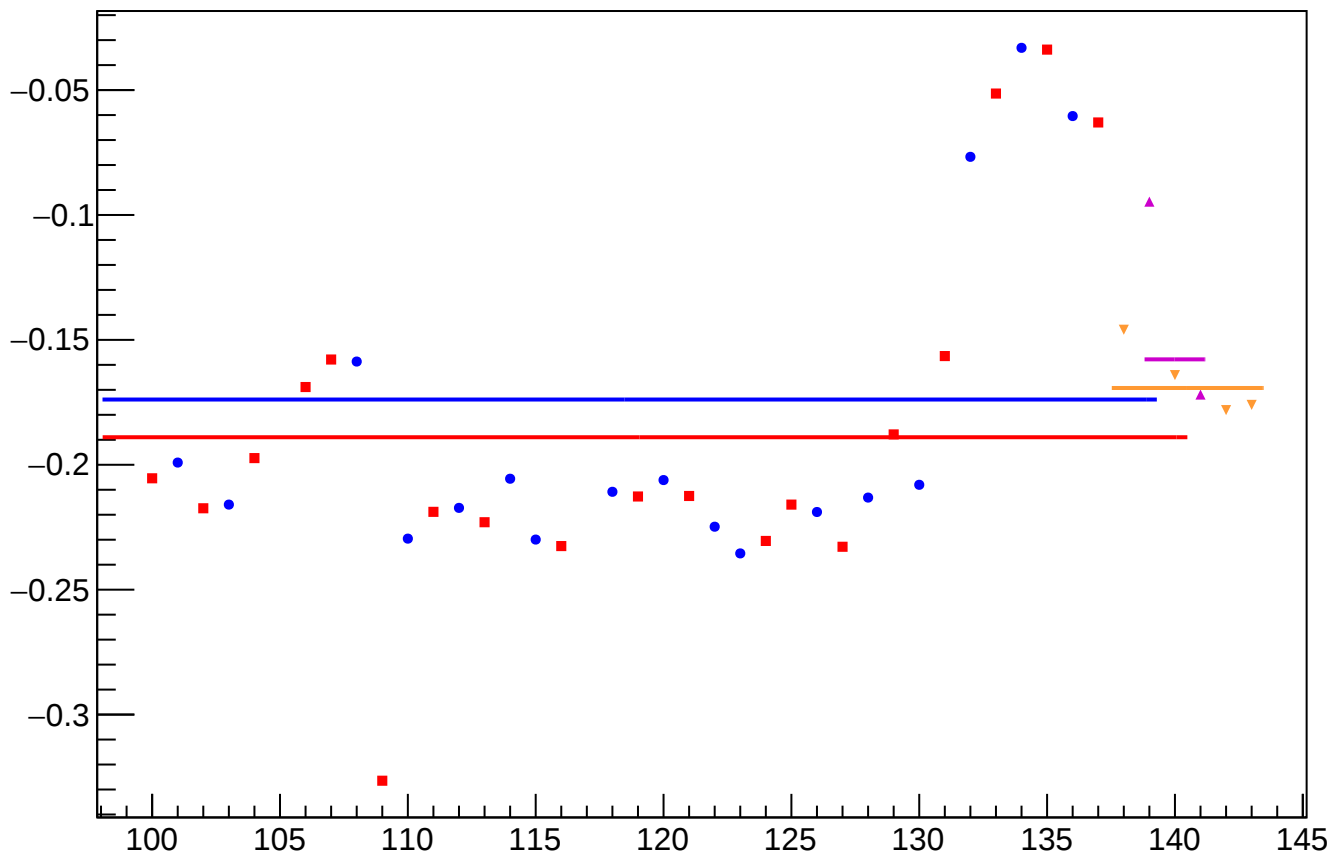
Right: 0.014+/-0.000 χ^2/NDF : 2673402.9/35

In: 0.013+/-0.000 χ^2/NDF :1479648.3/18

Out: 0.013+/-0.000 χ^2/NDF :1469503.0/22

All: 0.013+/-0.000 χ^2/NDF : 2949180.6/41

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.174+/-0.000 χ^2/NDF : 66778428.3/16

Left Out: -0.169+/-0.000 χ^2/NDF : 692225.2/3

Right Out: -0.189+/-0.000 χ^2/NDF : 81975900.9/18

Left In: -0.158+/-0.000 χ^2/NDF : 2448470.4/1

Left: -0.166+/-0.000 χ^2/NDF : 3388487.9/5

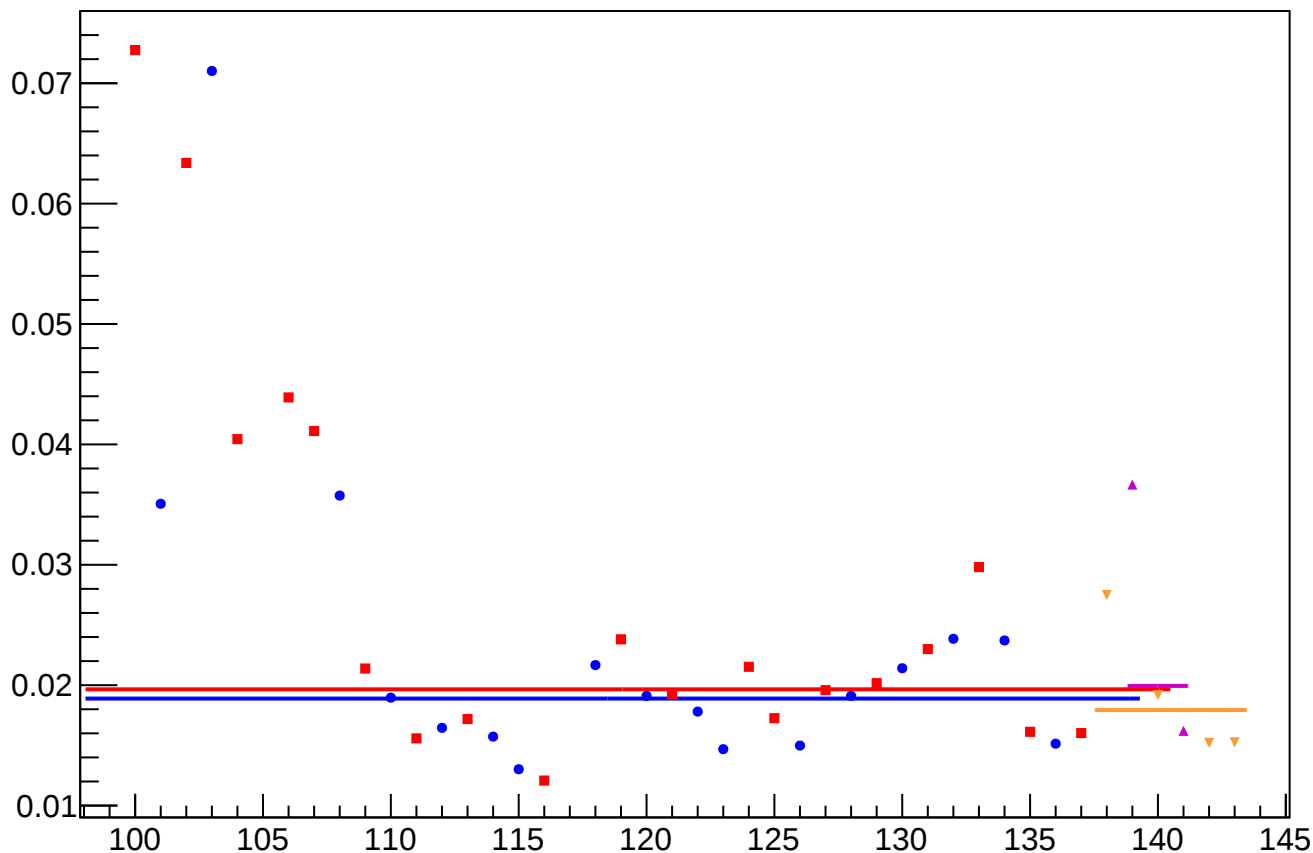
Right: -0.181+/-0.000 χ^2/NDF : 150315642.4/35

In: -0.171+/-0.000 χ^2/NDF : 69821639.2/18

Out: -0.183+/-0.000 χ^2/NDF : 84279634.5/22

All: -0.177+/-0.000 χ^2/NDF : 155319623.8/41

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1211816.5/16

Left Out: 0.018+/-0.000 χ^2/NDF : 206441.1/3

Right Out: 0.020+/-0.000 χ^2/NDF : 1454143.7/18

Left In: 0.020+/-0.000 χ^2/NDF : 343698.5/1

Left: 0.019+/-0.000 χ^2/NDF : 565291.4/5

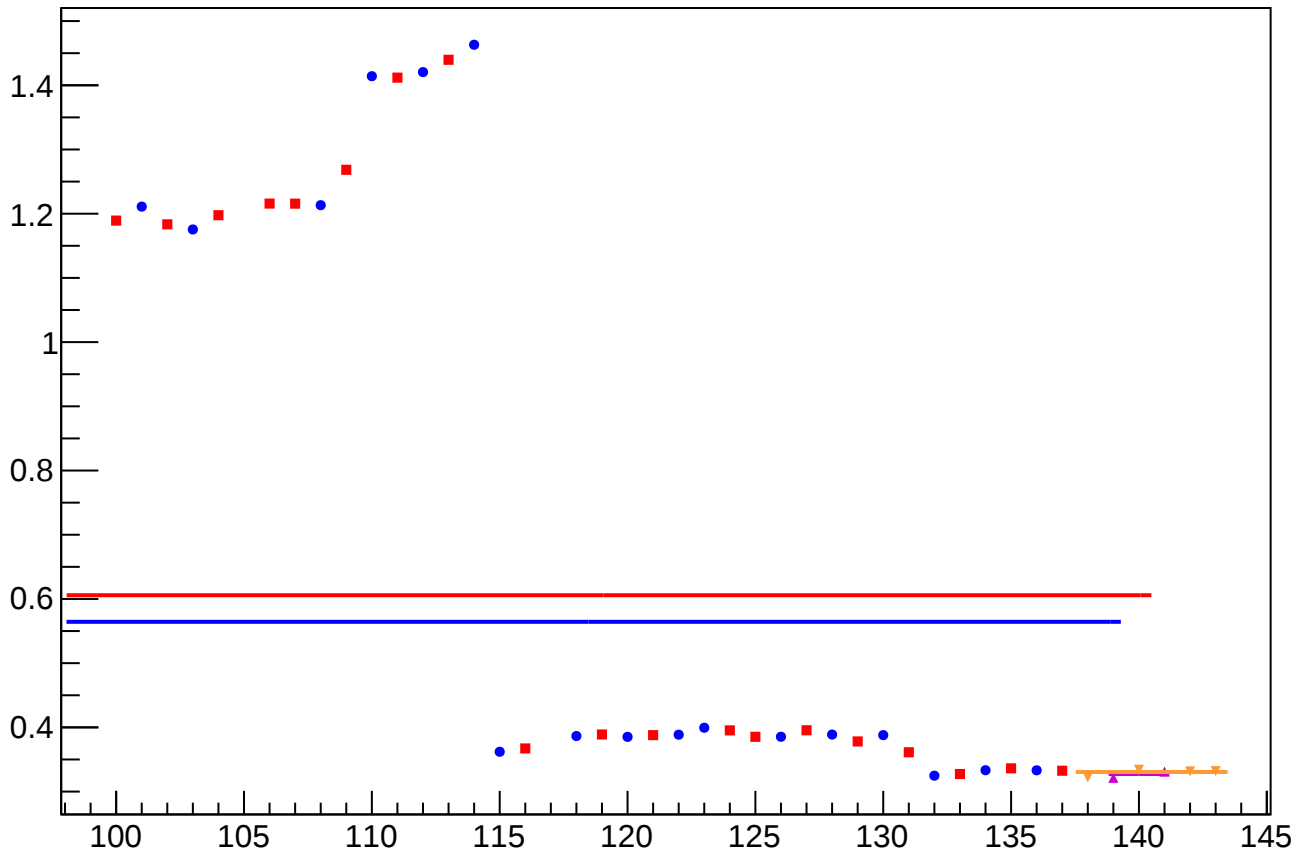
Right: 0.019+/-0.000 χ^2/NDF : 2674059.2/35

In: 0.019+/-0.000 χ^2/NDF : 1560594.2/18

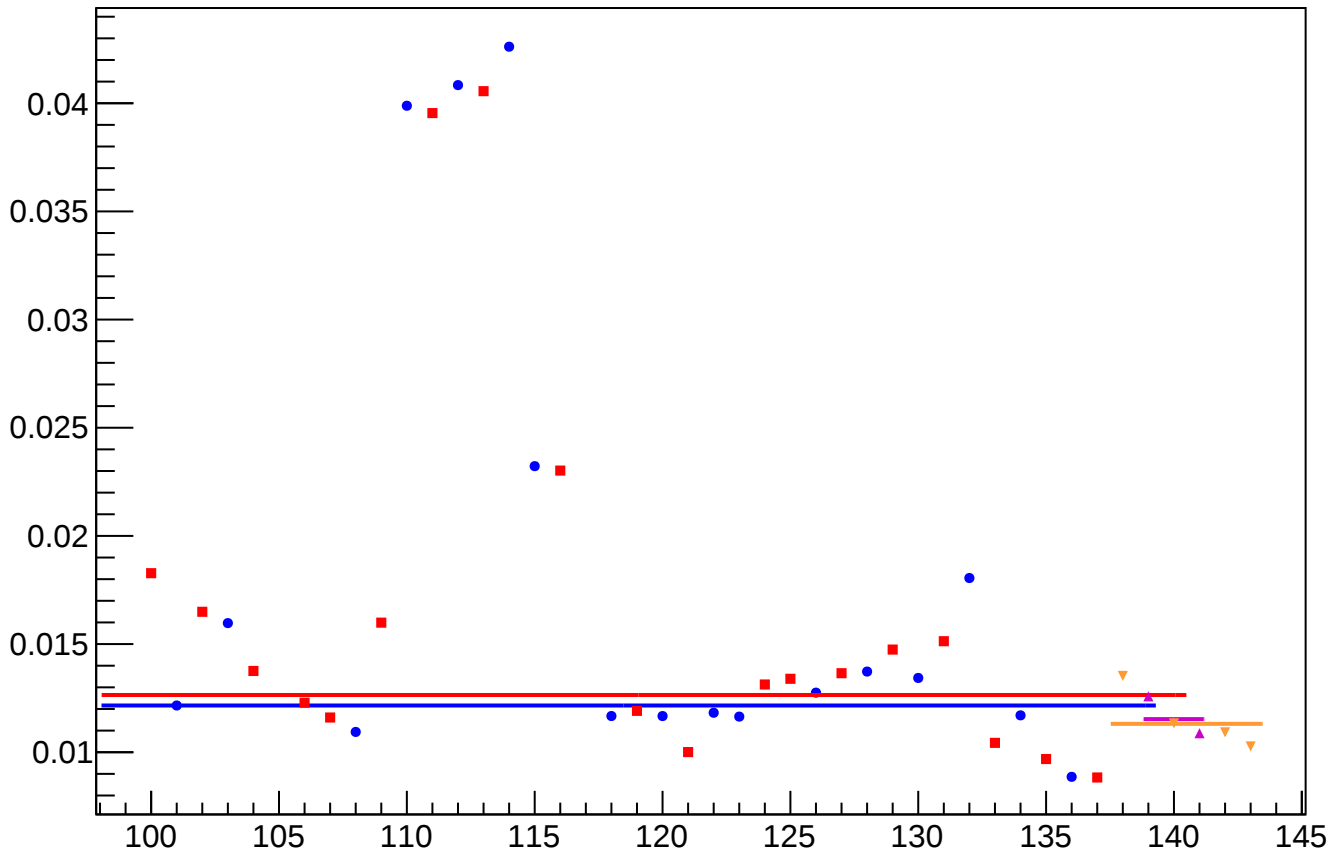
Out: 0.019+/-0.000 χ^2/NDF : 1685166.2/22

All: 0.019+/-0.000 χ^2/NDF : 3245833.6/41

yield_bpm4eY_mean vs Slug, Sign Corrected



yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1304124.1/16

Left Out: 0.011+/-0.000 χ^2/NDF :54130.4/3

Right Out: 0.013+/-0.000 χ^2/NDF : 1268972.5/18

Left In: 0.012+/-0.000 χ^2/NDF :14978.4/1

Left: 0.011+/-0.000 χ^2/NDF : 69784.4/5

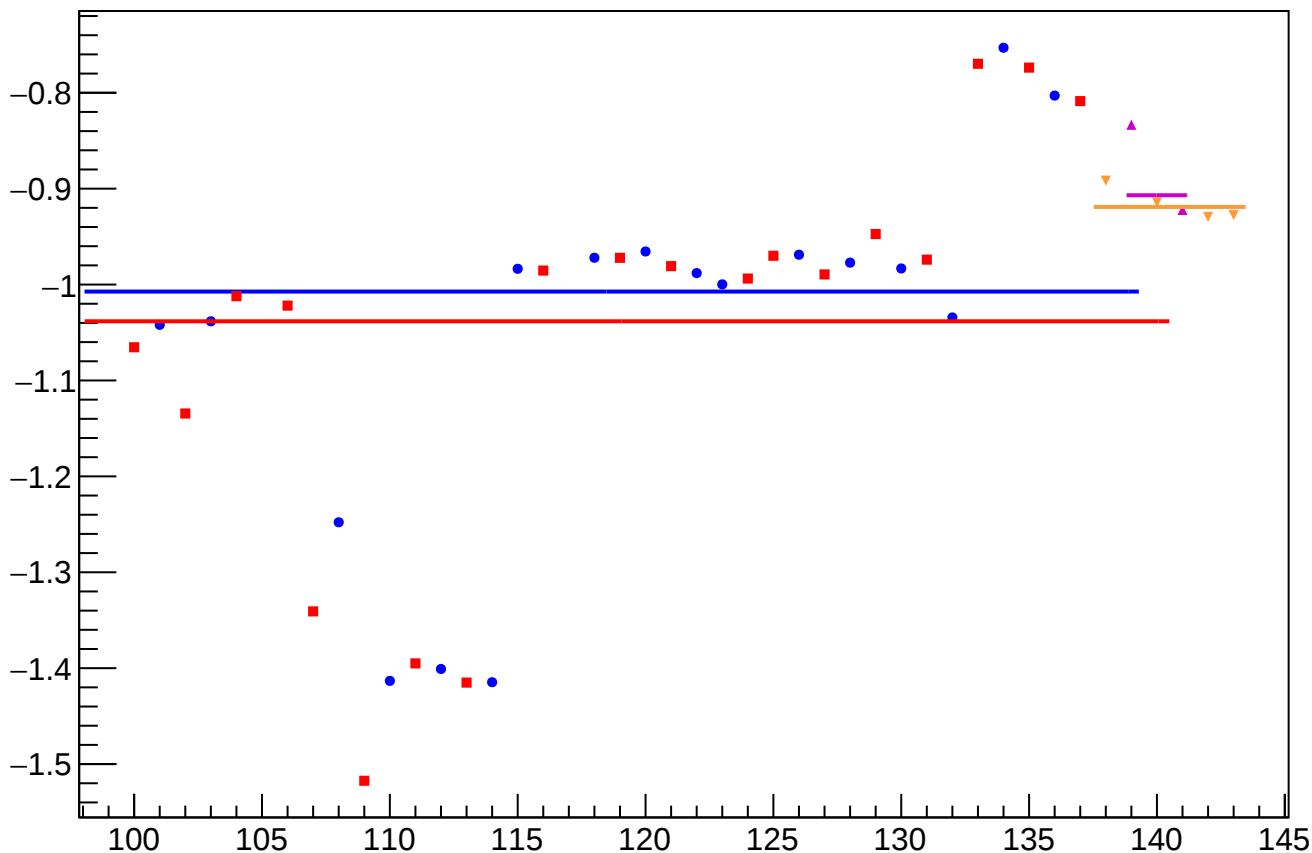
Right: 0.012+/-0.000 χ^2/NDF : 2581927.2/35

In: 0.012+/-0.000 χ^2/NDF :1325818.1/18

Out: 0.012+/-0.000 χ^2/NDF :1369238.3/22

All: 0.012+/-0.000 χ^2/NDF : 2696308.1/41

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.007 $\pm$ 0.000 χ^2/NDF : 393589325.7/16

Left Out: -0.919 $\pm$ 0.000 χ^2/NDF : 917809.6/3

Right Out: -1.038 $\pm$ 0.000 χ^2/NDF : 535629570.0/18

Left In: -0.907 $\pm$ 0.000 χ^2/NDF : 2809852.3/1

Left: -0.916 $\pm$ 0.000 χ^2/NDF : 3990353.5/5

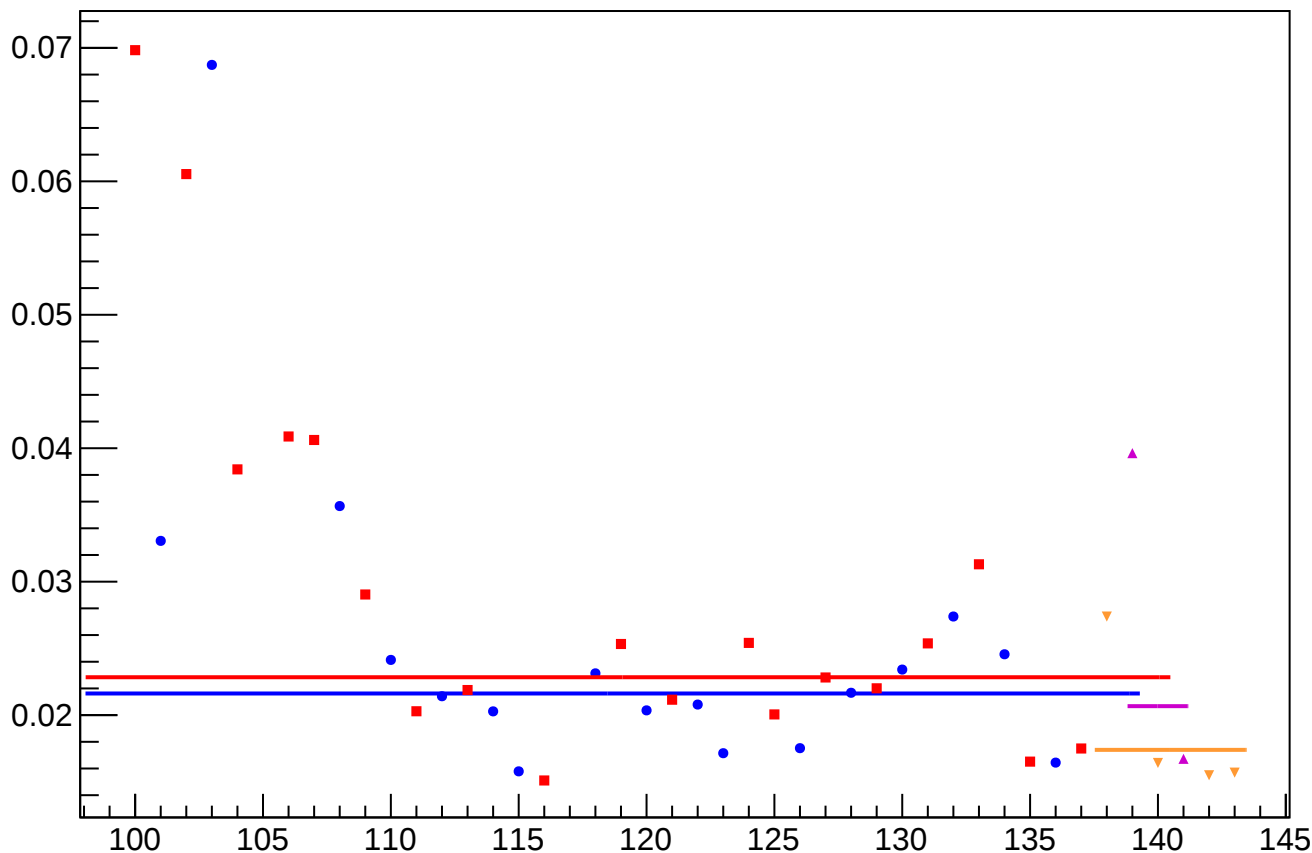
Right: -1.022 $\pm$ 0.000 χ^2/NDF : 934274584.5/35

In: -0.989 $\pm$ 0.000 χ^2/NDF : 416896328.0/18

Out: -0.994 $\pm$ 0.000 χ^2/NDF : 590704843.2/22

All: -0.991 $\pm$ 0.000 χ^2/NDF : 1007794168.1/4

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 984588.1/16

Left Out: 0.017+/-0.000 χ^2/NDF : 182015.8/3

Right Out: 0.023+/-0.000 χ^2/NDF : 1150914.8/18

Left In: 0.021+/-0.000 χ^2/NDF : 374006.1/1

Left: 0.018+/-0.000 χ^2/NDF : 594030.2/5

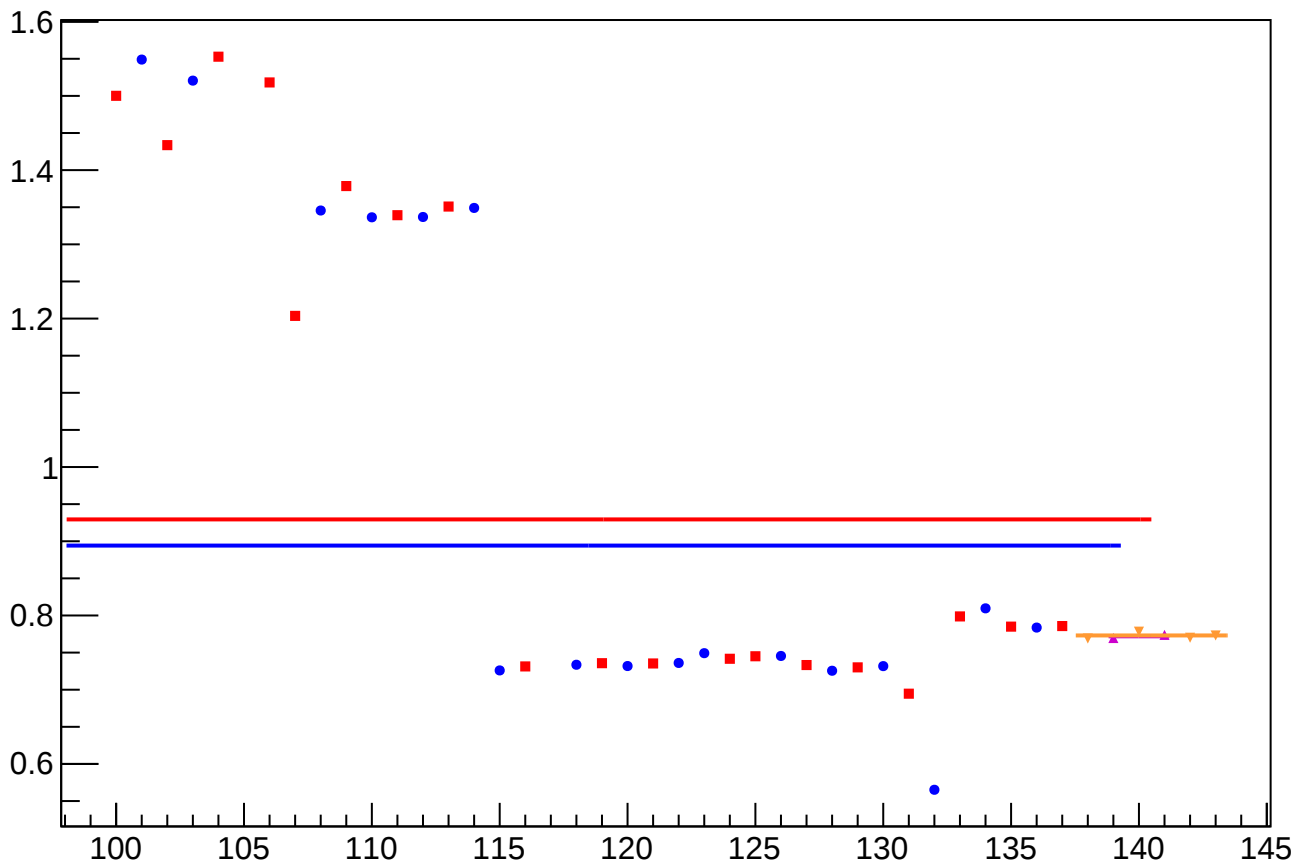
Right: 0.022+/-0.000 χ^2/NDF : 2151098.1/35

In: 0.021+/-0.000 χ^2/NDF : 1362260.5/18

Out: 0.021+/-0.000 χ^2/NDF : 1558545.5/22

All: 0.021+/-0.000 χ^2/NDF : 2926855.3/41

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.894+/-0.000 χ^2/NDF : 2399022212.9/16

Left Out: 0.773+/-0.000 χ^2/NDF :257965.2/3

Right Out: 0.929+/-0.000 χ^2/NDF : 2422023767.8/18

Left In: 0.772+/-0.000 χ^2/NDF :46938.3/1

Left: 0.773+/-0.000 χ^2/NDF : 314268.9/5

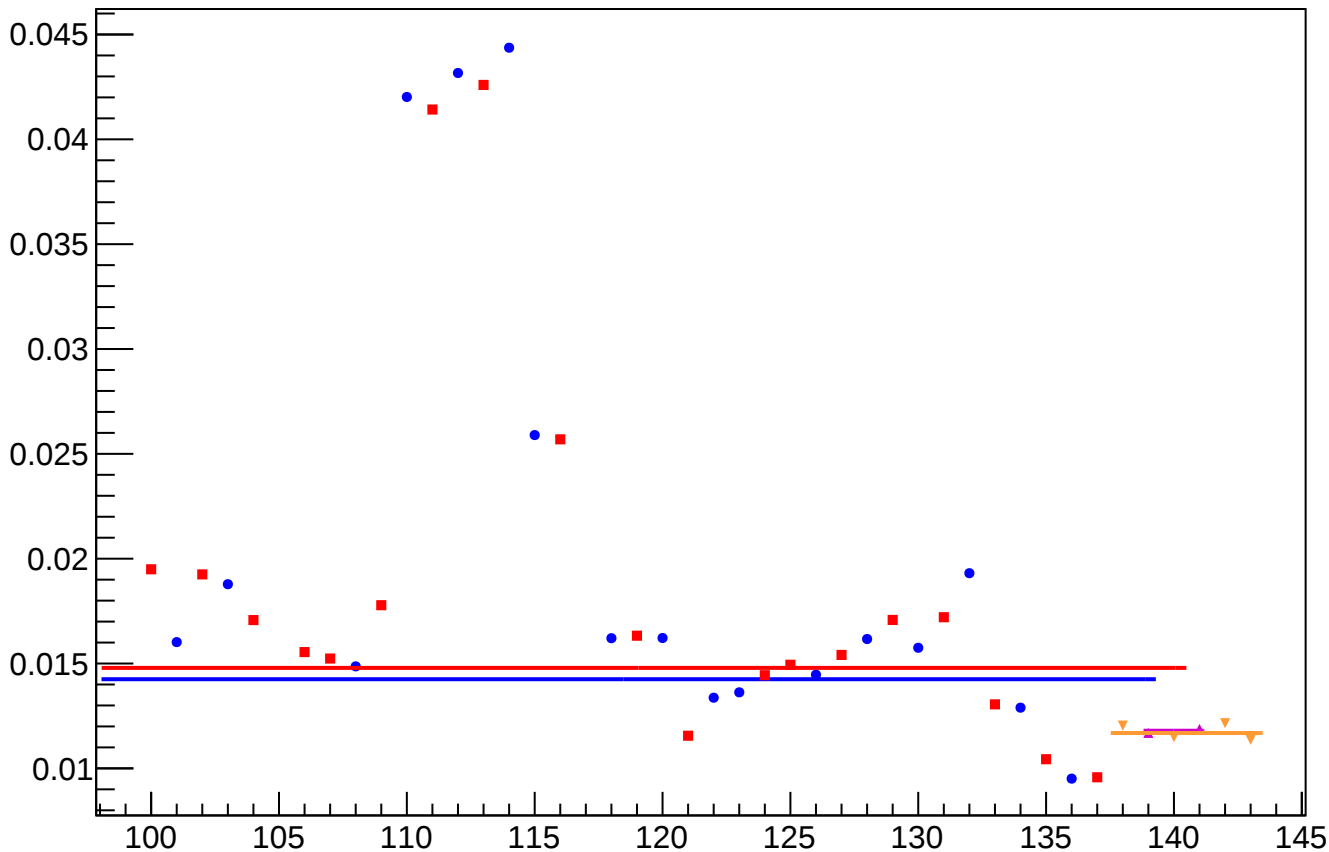
Right: 0.912+/-0.000 χ^2/NDF : 4838135937.4/35

In: 0.860+/-0.000 χ^2/NDF :2513700892.6/18

Out: 0.865+/-0.000 χ^2/NDF :2697592435.3/22

All: 0.863+/-0.000 χ^2/NDF : 5211724741.6/41

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1409964.0/16

Left Out: 0.012+/-0.000 χ^2/NDF : 4121.3/3

Right Out: 0.015+/-0.000 χ^2/NDF : 1271820.6/18

Left In: 0.012+/-0.000 χ^2/NDF : 193.7/1

Left: 0.012+/-0.000 χ^2/NDF : 4475.4/5

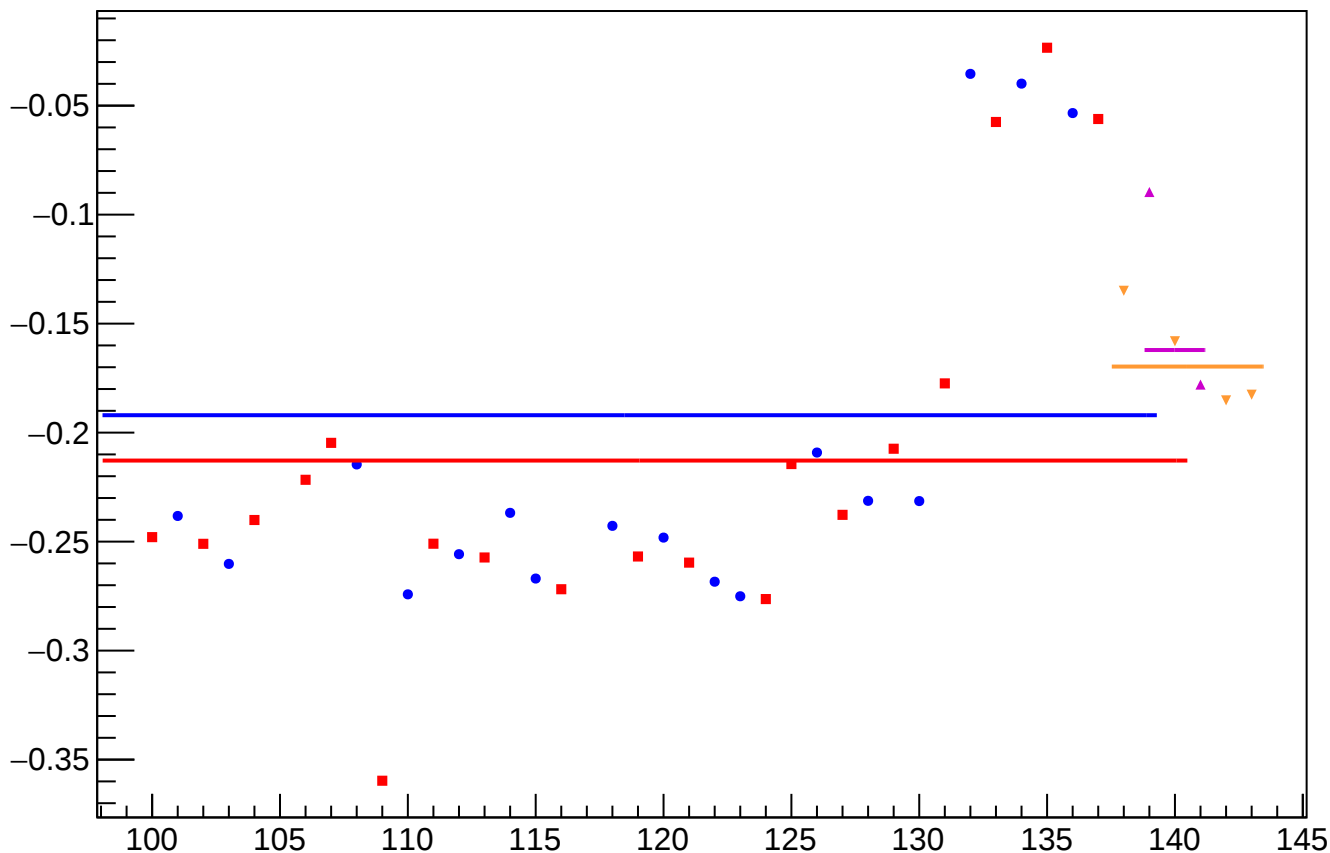
Right: 0.015+/-0.000 χ^2/NDF : 2689819.1/35

In: 0.014+/-0.000 χ^2/NDF : 1502780.1/18

Out: 0.014+/-0.000 χ^2/NDF : 1493291.1/22

All: 0.014+/-0.000 χ^2/NDF : 2996232.9/41

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.192+/-0.000 χ^2/NDF : 106200458.9/16

Left Out: -0.170+/-0.000 χ^2/NDF : 1985158.9/3

Right Out: -0.213+/-0.000 χ^2/NDF : 110522593.6/18

Left In: -0.162+/-0.000 χ^2/NDF : 3157030.9/1

Left: -0.167+/-0.000 χ^2/NDF : 5252329.2/5

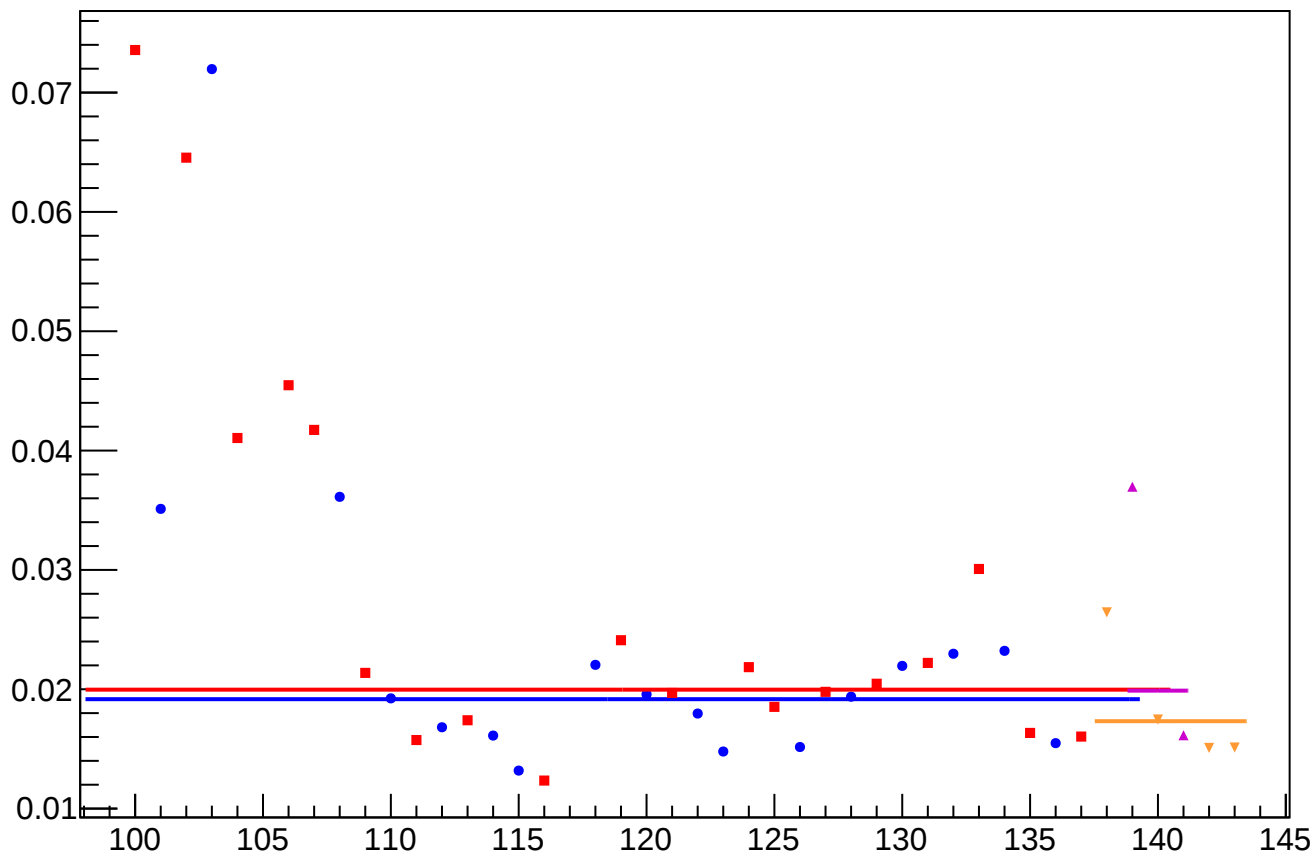
Right: -0.202+/-0.000 χ^2/NDF : 219599085.5/35

In: -0.187+/-0.000 χ^2/NDF : 111402376.2/18

Out: -0.199+/-0.000 χ^2/NDF : 120384998.0/22

All: -0.193+/-0.000 χ^2/NDF : 233006816.5/41

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1182752.8/16

Left Out: 0.017+/-0.000 χ^2/NDF :179515.5/3

Right Out: 0.020+/-0.000 χ^2/NDF : 1445067.6/18

Left In: 0.020+/-0.000 χ^2/NDF :351007.1/1

Left: 0.018+/-0.000 χ^2/NDF : 555581.2/5

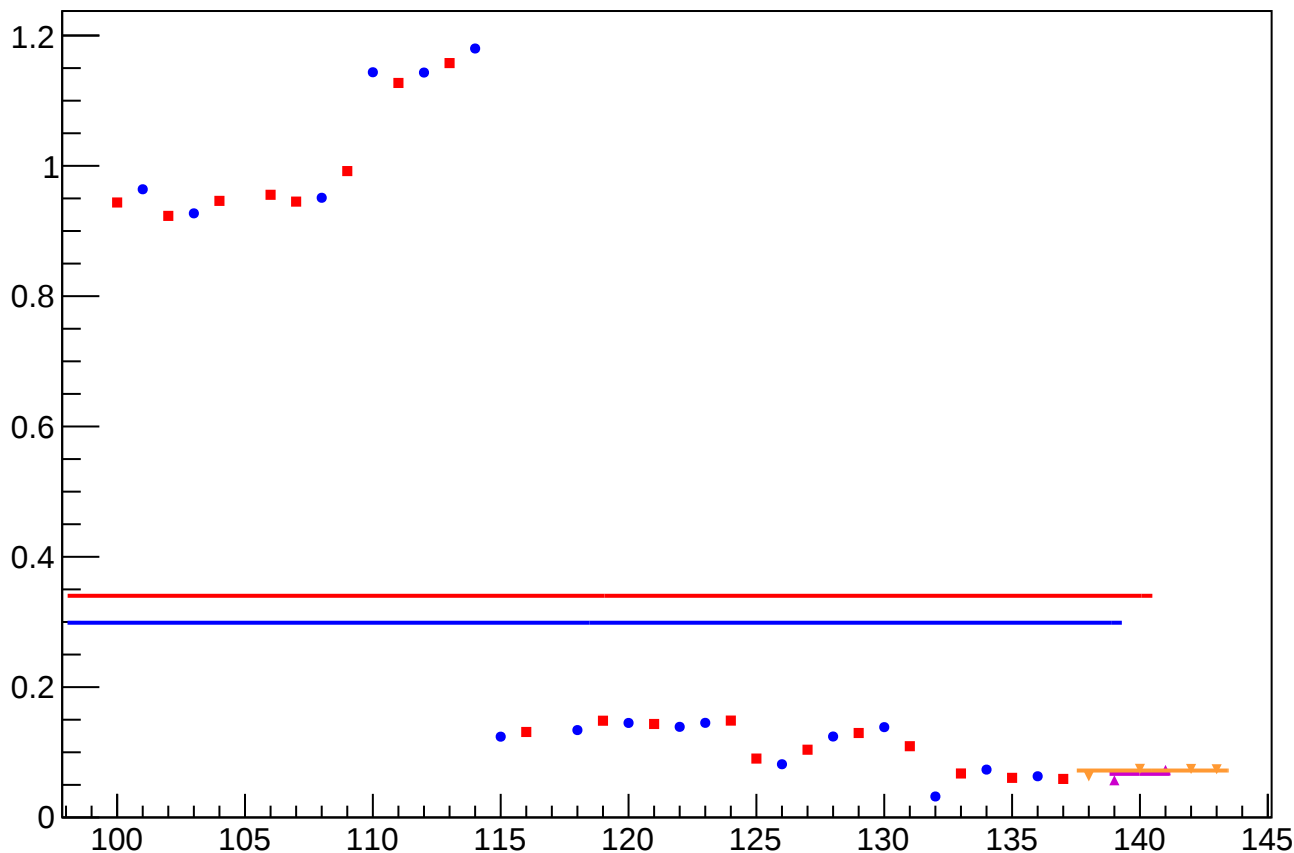
Right: 0.020+/-0.000 χ^2/NDF : 2636287.3/35

In: 0.019+/-0.000 χ^2/NDF :1536098.9/18

Out: 0.019+/-0.000 χ^2/NDF :1683753.8/22

All: 0.019+/-0.000 χ^2/NDF : 3220458.3/41

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.299+/-0.000 χ^2/NDF : 5180137730.5/16

Left Out: 0.072+/-0.000 χ^2/NDF :436646.0/3

Right Out: 0.340+/-0.000 χ^2/NDF : 5473541358.4/18

Left In: 0.067+/-0.000 χ^2/NDF :686159.0/1

Left: 0.070+/-0.000 χ^2/NDF : 1318994.0/5

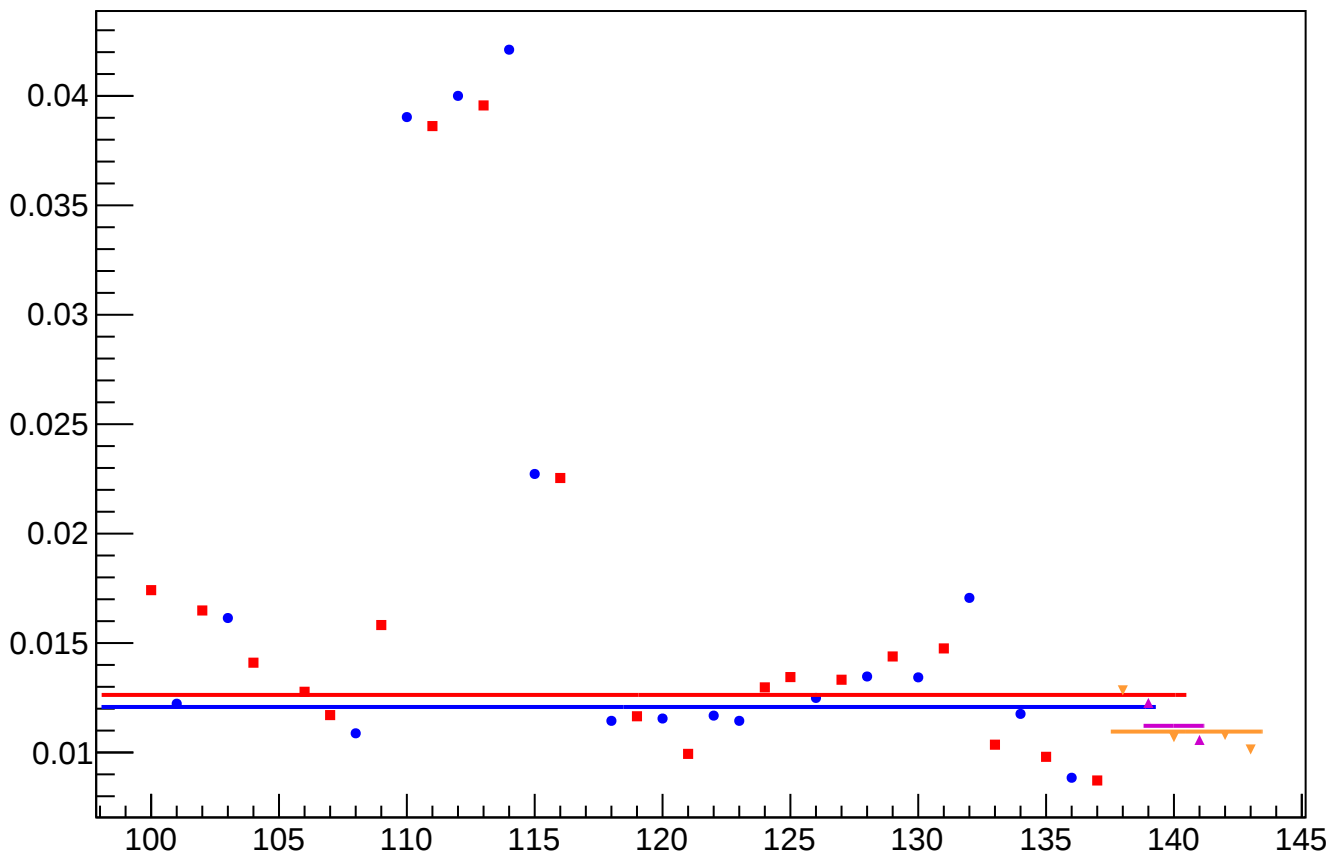
Right: 0.319+/-0.000 χ^2/NDF : 10685960138.1/35

In: 0.246+/-0.000 χ^2/NDF :5658773513.4/18

Out: 0.242+/-0.000 χ^2/NDF :6447205193.8/22

All: 0.244+/-0.000 χ^2/NDF : 12106421937.2/4

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012 ± 0.000 $\chi^2/\text{NDF}: 1276713.5/16$

Left Out: 0.011 ± 0.000 $\chi^2/\text{NDF}: 40969.3/3$

Right Out: 0.013 ± 0.000 $\chi^2/\text{NDF}: 1235880.5/18$

Left In: 0.011 ± 0.000 $\chi^2/\text{NDF}: 15564.2/1$

Left: 0.011 ± 0.000 $\chi^2/\text{NDF}: 57574.3/5$

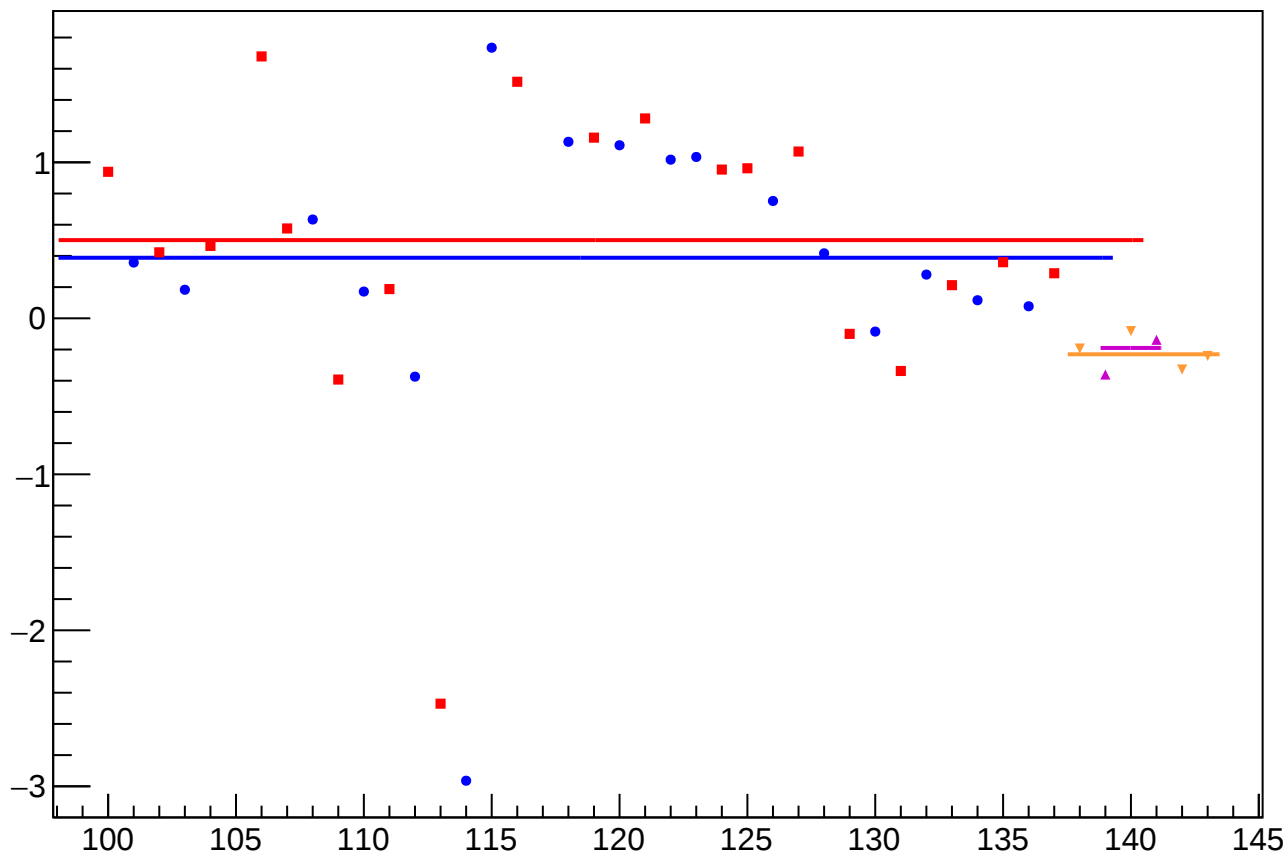
Right: 0.012 ± 0.000 $\chi^2/\text{NDF}: 2524057.1/35$

In: 0.012 ± 0.000 $\chi^2/\text{NDF}: 1305445.3/18$

Out: 0.012 ± 0.000 $\chi^2/\text{NDF}: 1352816.9/22$

All: 0.012 ± 0.000 $\chi^2/\text{NDF}: 2659209.7/41$

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.388+/-0.000 χ^2/NDF : 245257258.4/16

Left Out: -0.231+/-0.000 χ^2/NDF : 3014819.7/3

Right Out: 0.501+/-0.000 χ^2/NDF : 983034937.0/18

Left In: -0.190+/-0.000 χ^2/NDF : 929775.5/1

Left: -0.222+/-0.000 χ^2/NDF : 4082427.9/5

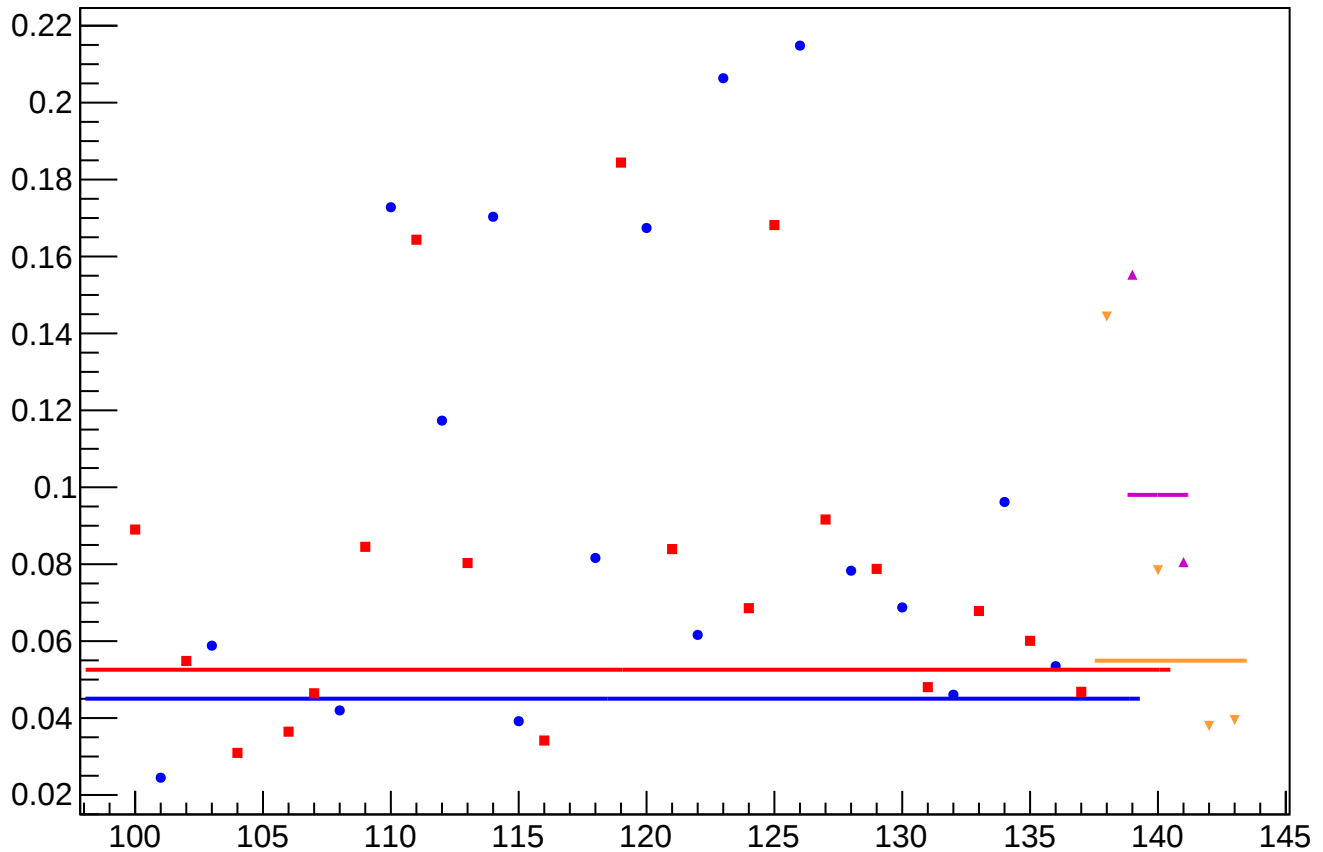
Right: 0.440+/-0.000 χ^2/NDF : 1238568445.6/35

In: 0.356+/-0.000 χ^2/NDF : 279223249.8/18

Out: 0.344+/-0.000 χ^2/NDF : 1157397834.5/22

All: 0.350+/-0.000 χ^2/NDF : 1436742198.2/41

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045+/-0.000 χ^2/NDF : 2830669.1/16

Left Out: 0.055+/-0.000 χ^2/NDF : 736964.0/3

Right Out: 0.053+/-0.000 χ^2/NDF : 2177690.7/18

Left In: 0.098+/-0.000 χ^2/NDF : 209592.7/1

Left: 0.064+/-0.000 χ^2/NDF : 1256257.8/5

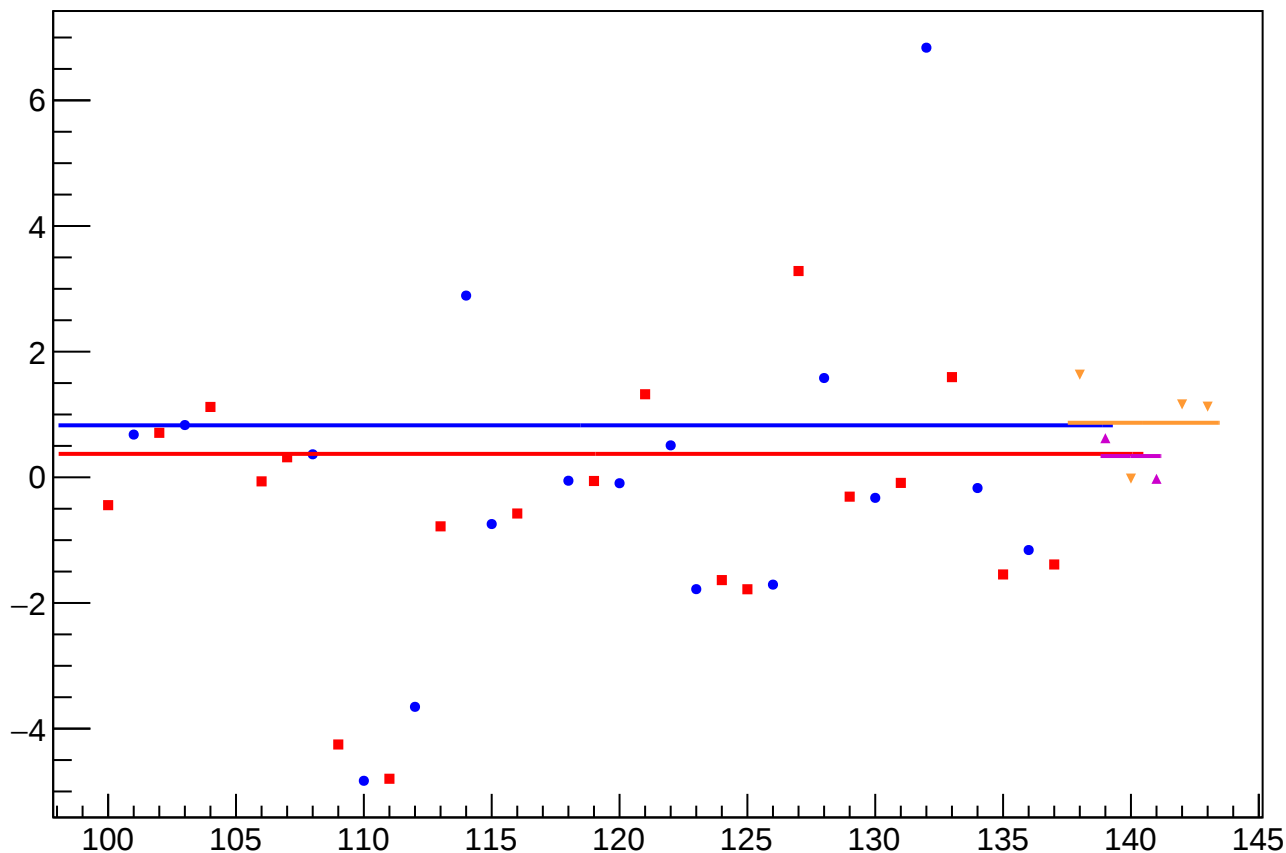
Right: 0.049+/-0.000 χ^2/NDF : 5099571.7/35

In: 0.048+/-0.000 χ^2/NDF : 3595338.3/18

Out: 0.053+/-0.000 χ^2/NDF : 2918200.2/22

All: 0.051+/-0.000 χ^2/NDF : 6561123.3/41

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.828 $\pm$ 0.000 χ^2/NDF : 10934615588.5/16

Left Out: 0.868 $\pm$ 0.000 χ^2/NDF : 176950450.9/3

Right Out: 0.373 $\pm$ 0.000 χ^2/NDF : 4968052358.8/18

Left In: 0.339 $\pm$ 0.000 χ^2/NDF : 33221970.2/1

Left: 0.670 $\pm$ 0.000 χ^2/NDF : 266793396.6/5

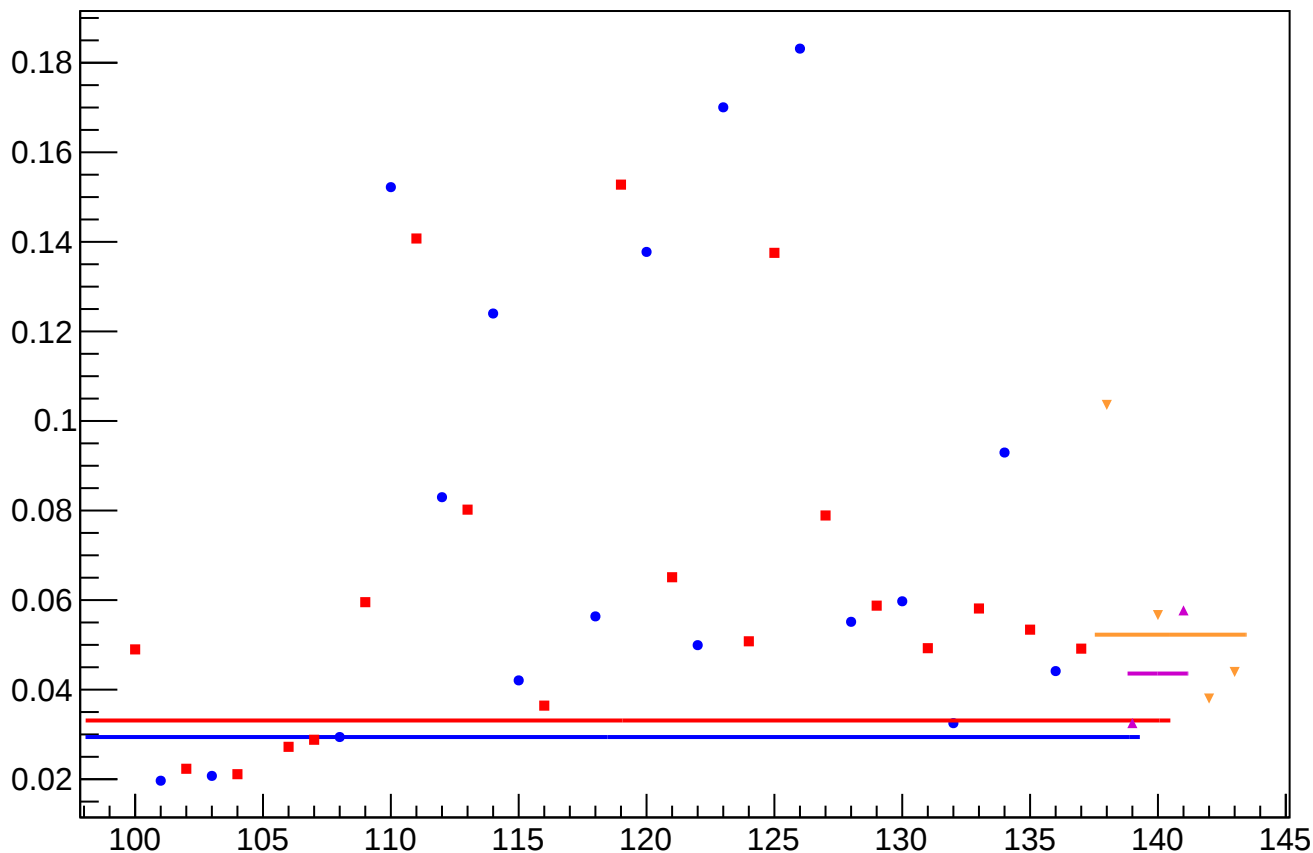
Right: 0.614 $\pm$ 0.000 χ^2/NDF : 16284898380.7/35

In: 0.790 $\pm$ 0.000 χ^2/NDF : 11039135356.4/18

Out: 0.439 $\pm$ 0.000 χ^2/NDF : 5259518166.8/22

All: 0.620 $\pm$ 0.000 χ^2/NDF : 16554134289.6/4

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF : 3034312.5/16

Left Out: 0.052+/-0.000 χ^2/NDF :390072.8/3

Right Out: 0.033+/-0.000 χ^2/NDF : 3078516.1/18

Left In: 0.044+/-0.000 χ^2/NDF :100824.1/1

Left: 0.049+/-0.000 χ^2/NDF : 521328.8/5

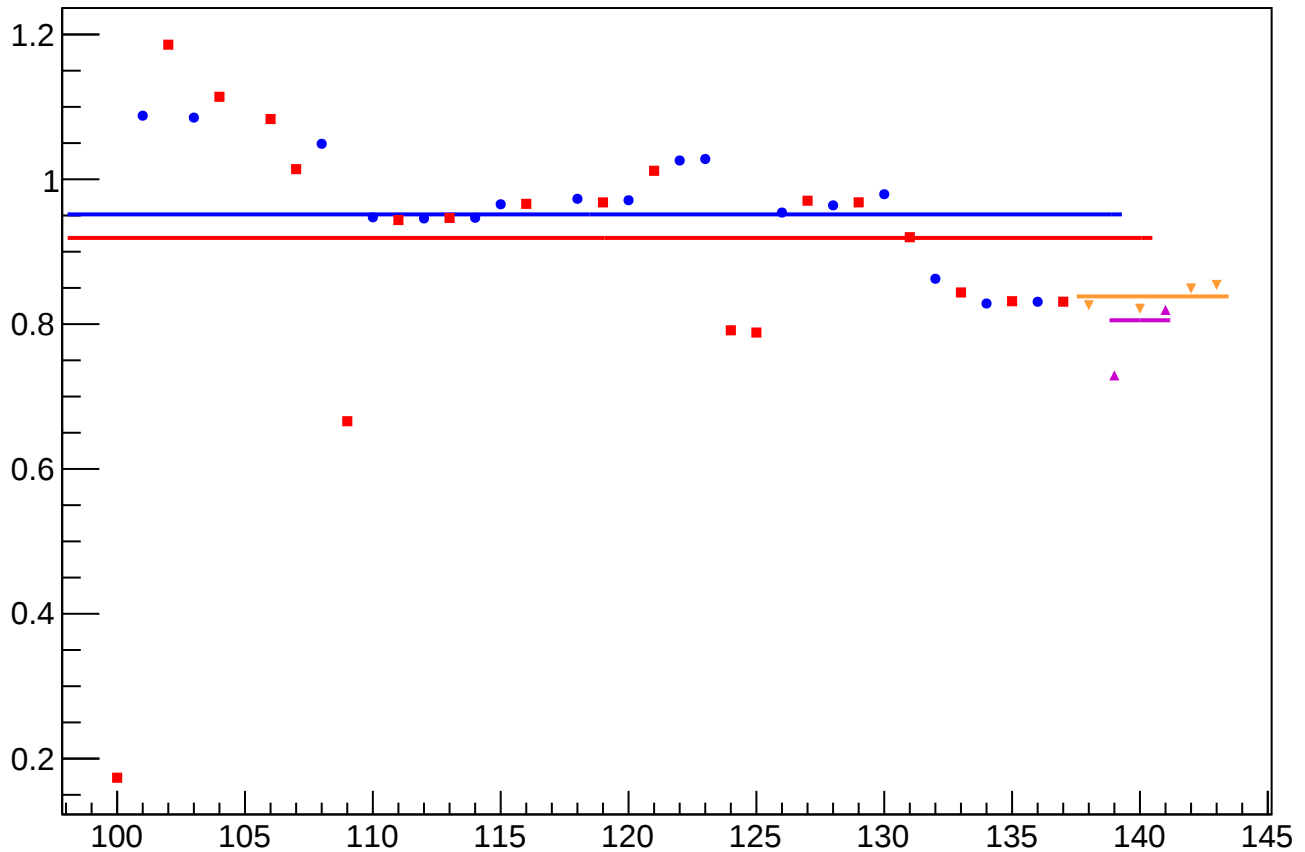
Right: 0.031+/-0.000 χ^2/NDF : 6163407.5/35

In: 0.030+/-0.000 χ^2/NDF :3255141.3/18

Out: 0.036+/-0.000 χ^2/NDF :3811761.6/22

All: 0.033+/-0.000 χ^2/NDF : 7178111.8/41

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.952 $\pm$ 0.000 χ^2 /NDF: 173959453.0/16

Left Out: 0.838 $\pm$ 0.000 χ^2 /NDF:3319187.0/3

Right Out: 0.919 $\pm$ 0.000 χ^2 /NDF: 374715264.1/18

Left In: 0.805 $\pm$ 0.000 χ^2 /NDF:6922597.8/1

Left: 0.828 $\pm$ 0.000 χ^2 /NDF: 15087929.5/5

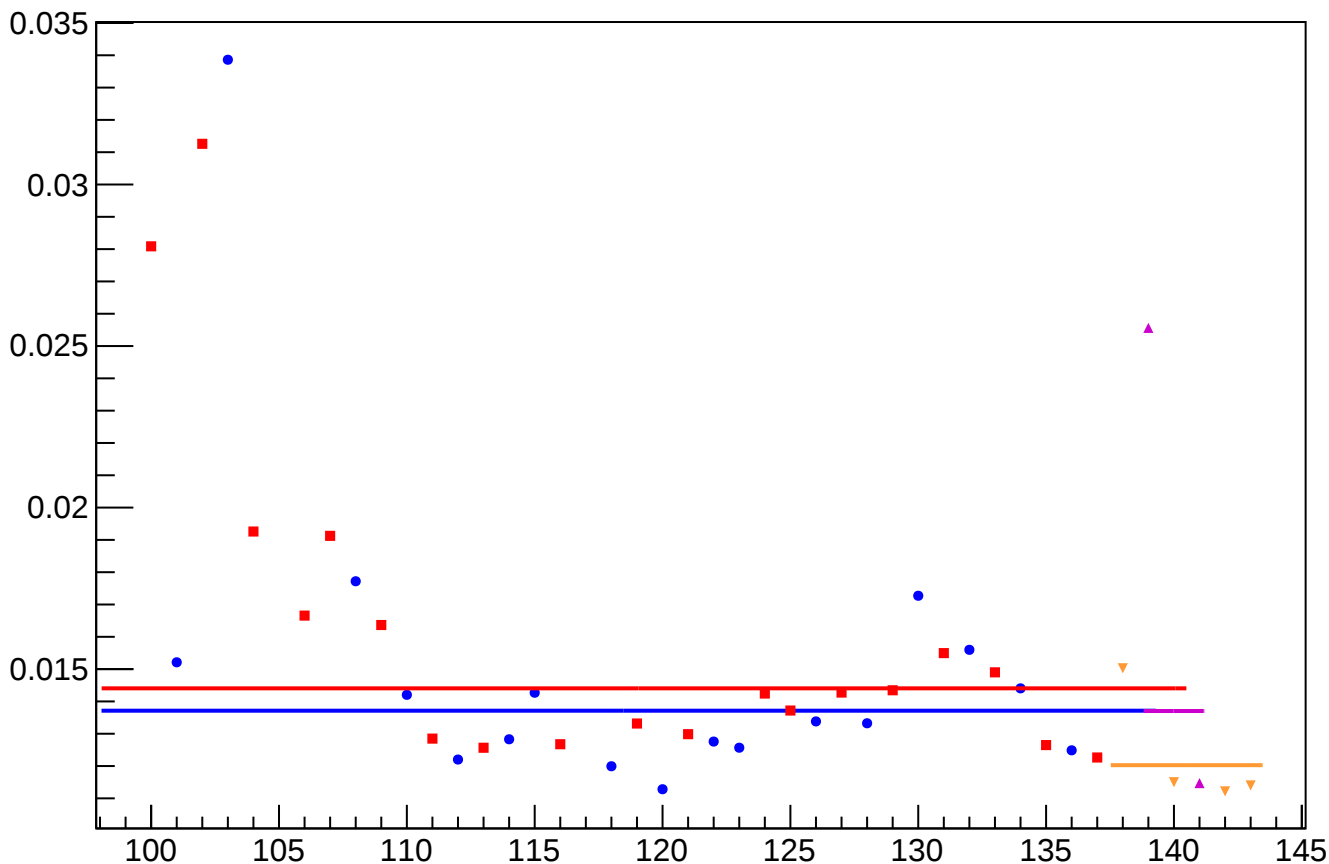
Right: 0.936 $\pm$ 0.000 χ^2 /NDF: 564529204.5/35

In: 0.927 $\pm$ 0.000 χ^2 /NDF:293494205.4/18

Out: 0.892 $\pm$ 0.000 χ^2 /NDF:442569001.1/22

All: 0.908 $\pm$ 0.000 χ^2 /NDF: 760606060.2/41

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 546221.8/16

Left Out: 0.012+/-0.000 χ^2/NDF : 56943.7/3

Right Out: 0.014+/-0.000 χ^2/NDF : 502019.0/18

Left In: 0.014+/-0.000 χ^2/NDF : 336179.3/1

Left: 0.013+/-0.000 χ^2/NDF : 418181.6/5

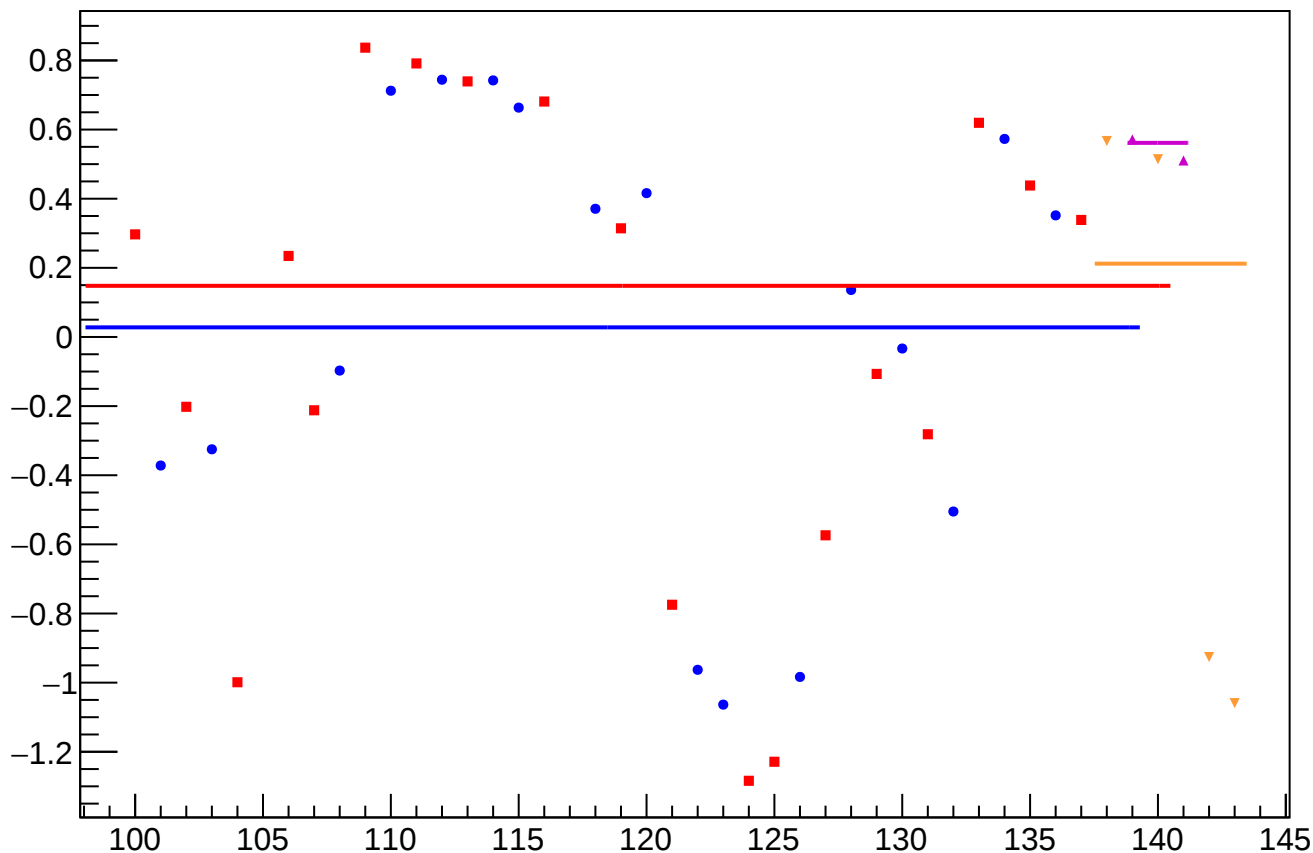
Right: 0.014+/-0.000 χ^2/NDF : 1062609.3/35

In: 0.014+/-0.000 χ^2/NDF : 882402.1/18

Out: 0.014+/-0.000 χ^2/NDF : 670907.7/22

All: 0.014+/-0.000 χ^2/NDF : 1553812.3/41

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.000 χ^2/NDF : 6330660019.5/16

Left Out: 0.212+/-0.000 χ^2/NDF :11813608309.7/3

Right Out: 0.148+/-0.000 χ^2/NDF : 12786884425.3/18

Left In: 0.562+/-0.000 χ^2/NDF :12927596.7/1

Left: 0.379+/-0.000 χ^2/NDF : 13445942791.1/5

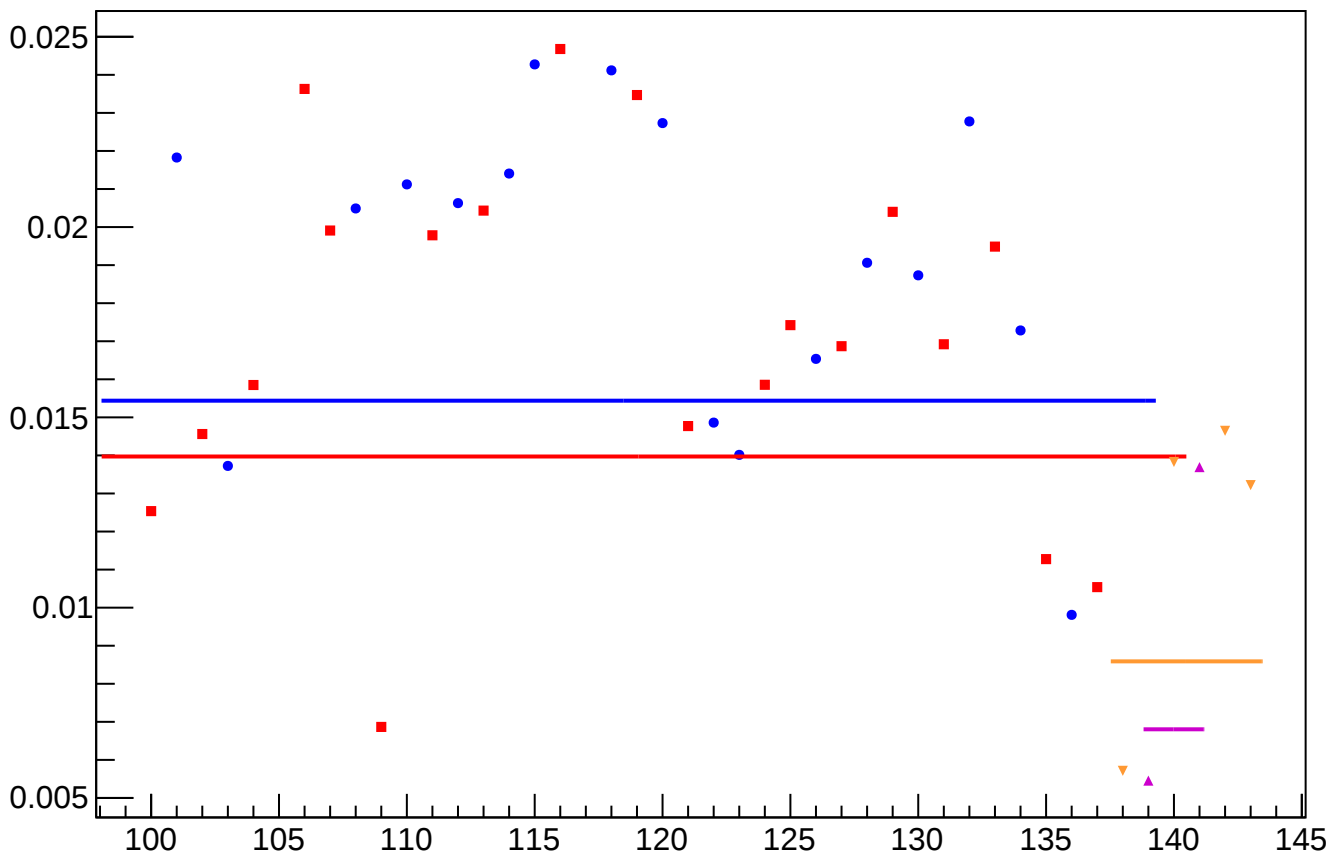
Right: 0.094+/-0.000 χ^2/NDF : 19304525914.6/35

In: 0.304+/-0.000 χ^2/NDF :9831607685.7/18

Out: 0.180+/-0.000 χ^2/NDF :24658361760.4/22

All: 0.238+/-0.000 χ^2/NDF : 34897670204.7/4

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000

χ^2/NDF : 1160014.9/16

Left Out: 0.009+/-0.000

χ^2/NDF : 825893.8/3

Right Out: 0.014+/-0.000

χ^2/NDF : 1556431.6/18

Left In: 0.007+/-0.000

χ^2/NDF : 471642.4/1

Left: 0.008+/-0.000

χ^2/NDF : 1382024.1/5

Right: 0.015+/-0.000

χ^2/NDF : 2772133.5/35

In: 0.011+/-0.000

χ^2/NDF : 3457056.2/18

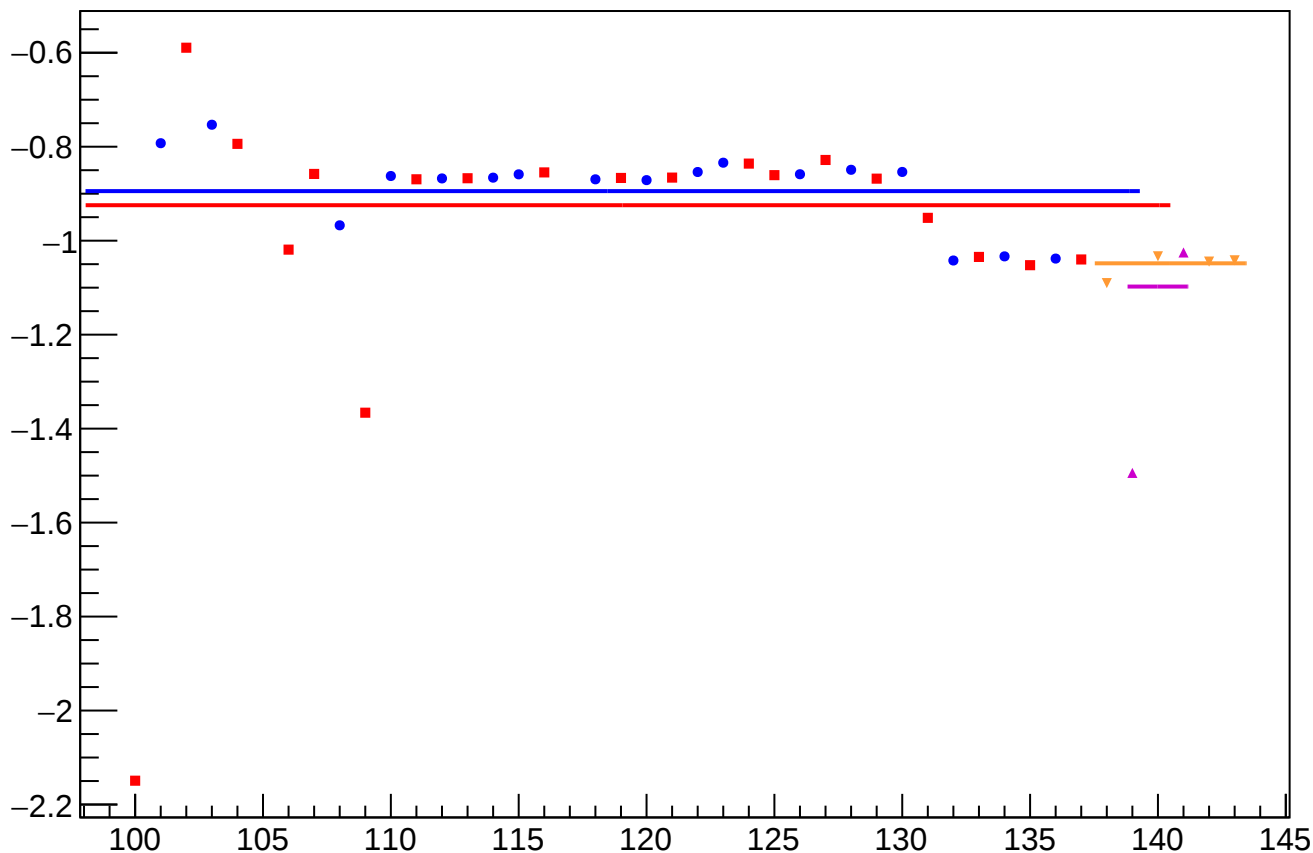
Out: 0.011+/-0.000

χ^2/NDF : 3198644.8/22

All: 0.011+/-0.000

χ^2/NDF : 6662324.7/41

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.895+/-0.000 χ^2/NDF : 37736129.8/16

Left Out: -1.048+/-0.000 χ^2/NDF : 905861.3/3

Right Out: -0.925+/-0.000 χ^2/NDF : 128456555.8/18

Left In: -1.098+/-0.000 χ^2/NDF : 27240665.6/1

Left: -1.063+/-0.000 χ^2/NDF : 29783908.1/5

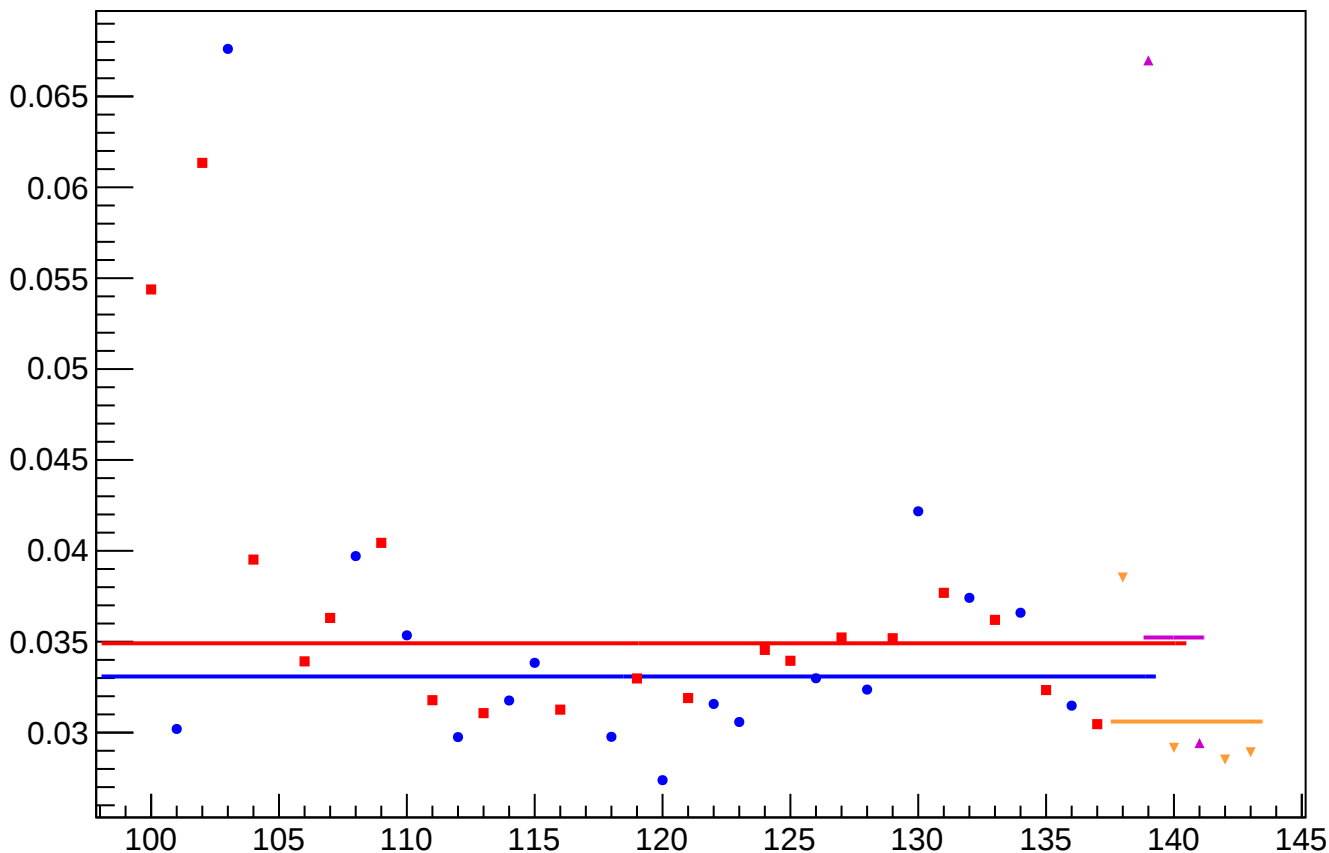
Right: -0.909+/-0.000 χ^2/NDF : 168526057.0/35

In: -0.925+/-0.000 χ^2/NDF : 98168986.6/18

Out: -0.963+/-0.000 χ^2/NDF : 153372358.7/22

All: -0.946+/-0.000 χ^2/NDF : 256429824.2/41

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF : 408714.5/16

Left Out: 0.031+/-0.000 χ^2/NDF :61308.2/3

Right Out: 0.035+/-0.000 χ^2/NDF : 274757.5/18

Left In: 0.035+/-0.000 χ^2/NDF :349260.4/1

Left: 0.032+/-0.000 χ^2/NDF : 439191.4/5

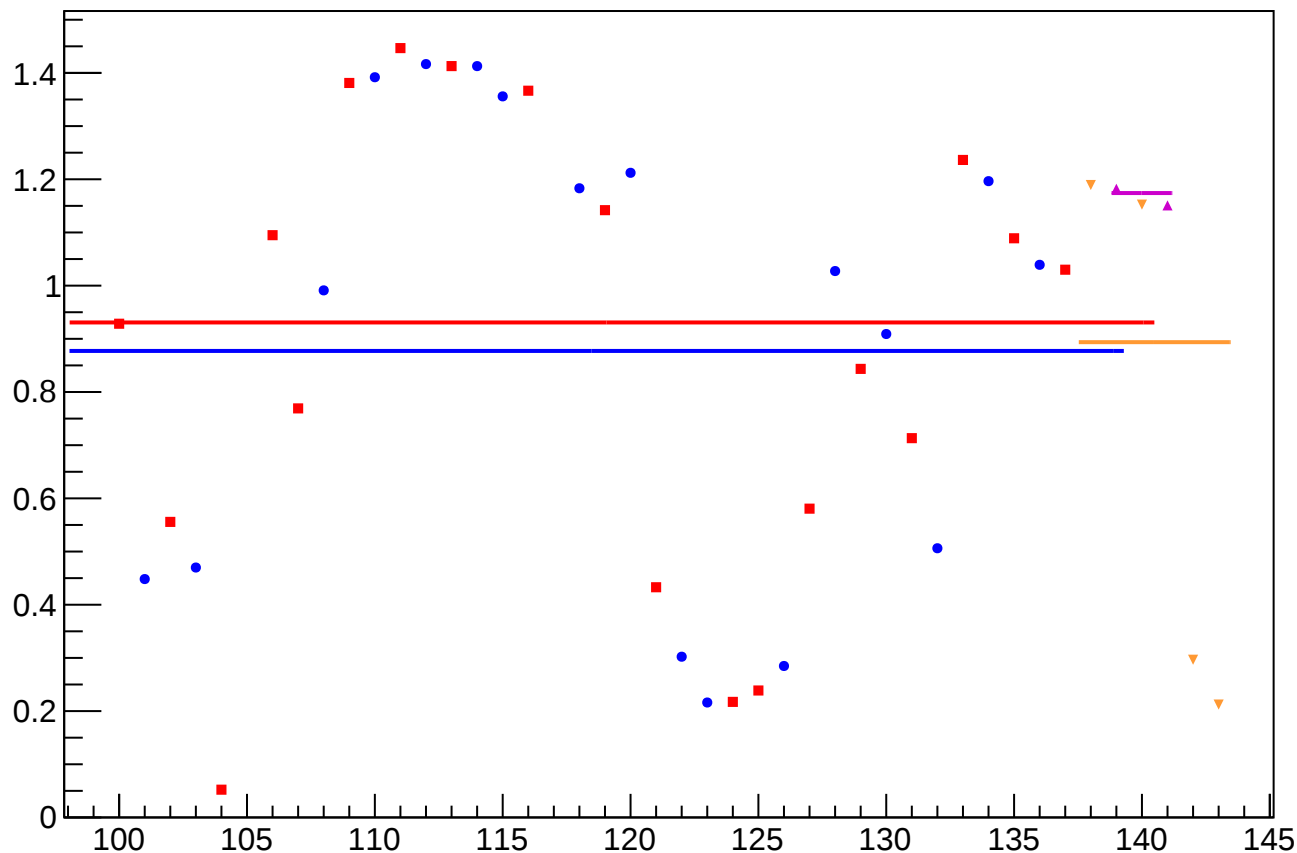
Right: 0.034+/-0.000 χ^2/NDF : 700763.4/35

In: 0.033+/-0.000 χ^2/NDF :765377.4/18

Out: 0.034+/-0.000 χ^2/NDF :394280.5/22

All: 0.033+/-0.000 χ^2/NDF : 1159831.3/41

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.877 $\pm$ 0.000 χ^2/NDF : 6492530367.5/16

Left Out: 0.894 $\pm$ 0.000 χ^2/NDF :8591308960.8/3

Right Out: 0.931 $\pm$ 0.000 χ^2/NDF : 9963132374.2/18

Left In: 1.174 $\pm$ 0.000 χ^2/NDF :6794092.3/1

Left: 1.017 $\pm$ 0.000 χ^2/NDF : 10184364374.5/5

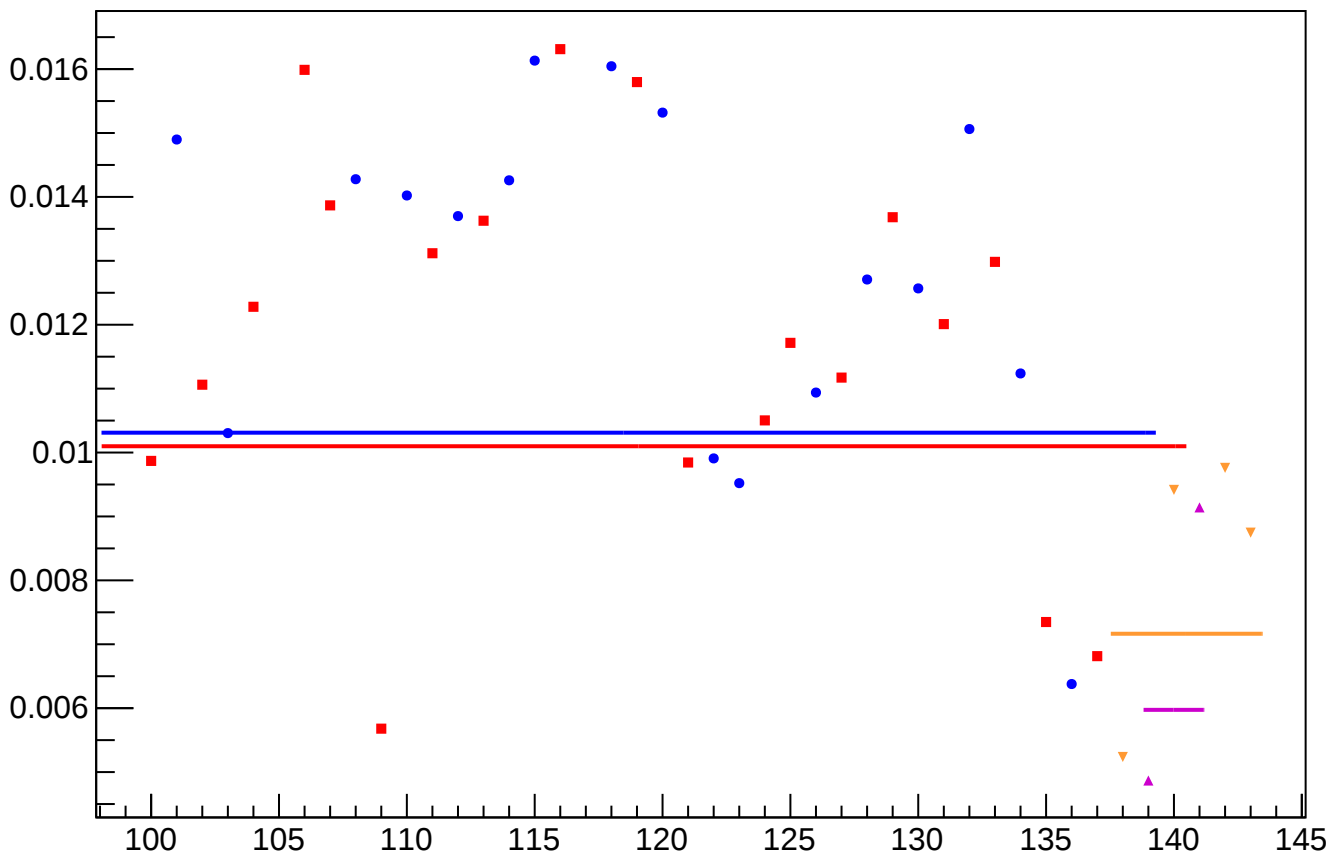
Right: 0.905 $\pm$ 0.000 χ^2/NDF : 16534143607.8/35

In: 0.998 $\pm$ 0.000 χ^2/NDF :8385794199.3/18

Out: 0.914 $\pm$ 0.000 χ^2/NDF :18589299497.7/22

All: 0.953 $\pm$ 0.000 χ^2/NDF : 27309893405.4/4

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF : 1229309.4/16

Left Out: 0.007+/-0.000 χ^2/NDF : 365464.9/3

Right Out: 0.010+/-0.000 χ^2/NDF : 1175272.9/18

Left In: 0.006+/-0.000 χ^2/NDF : 253023.8/1

Left: 0.007+/-0.000 χ^2/NDF : 675710.9/5

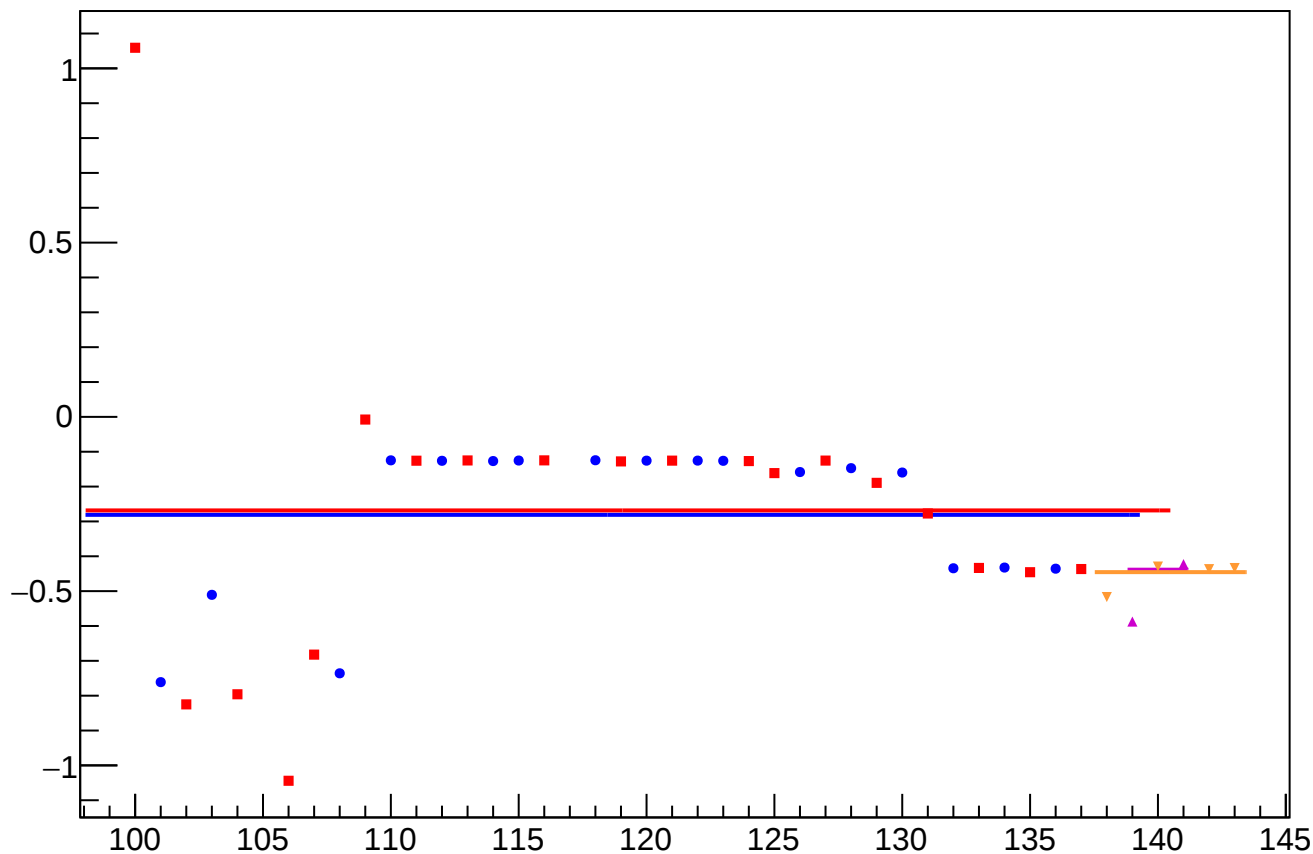
Right: 0.010+/-0.000 χ^2/NDF : 2407045.8/35

In: 0.009+/-0.000 χ^2/NDF : 2287438.6/18

Out: 0.009+/-0.000 χ^2/NDF : 1977903.0/22

All: 0.009+/-0.000 χ^2/NDF : 4271285.5/41

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.281 ± 0.000 $\chi^2/\text{NDF}: 905834039.3/16$

Left Out: -0.445 ± 0.000 $\chi^2/\text{NDF}: 21956284.8/3$

Right Out: -0.268 ± 0.000 $\chi^2/\text{NDF}: 967576606.4/18$

Left In: -0.438 ± 0.000 $\chi^2/\text{NDF}: 22315831.8/1$

Left: -0.444 ± 0.000 $\chi^2/\text{NDF}: 44601028.0/5$

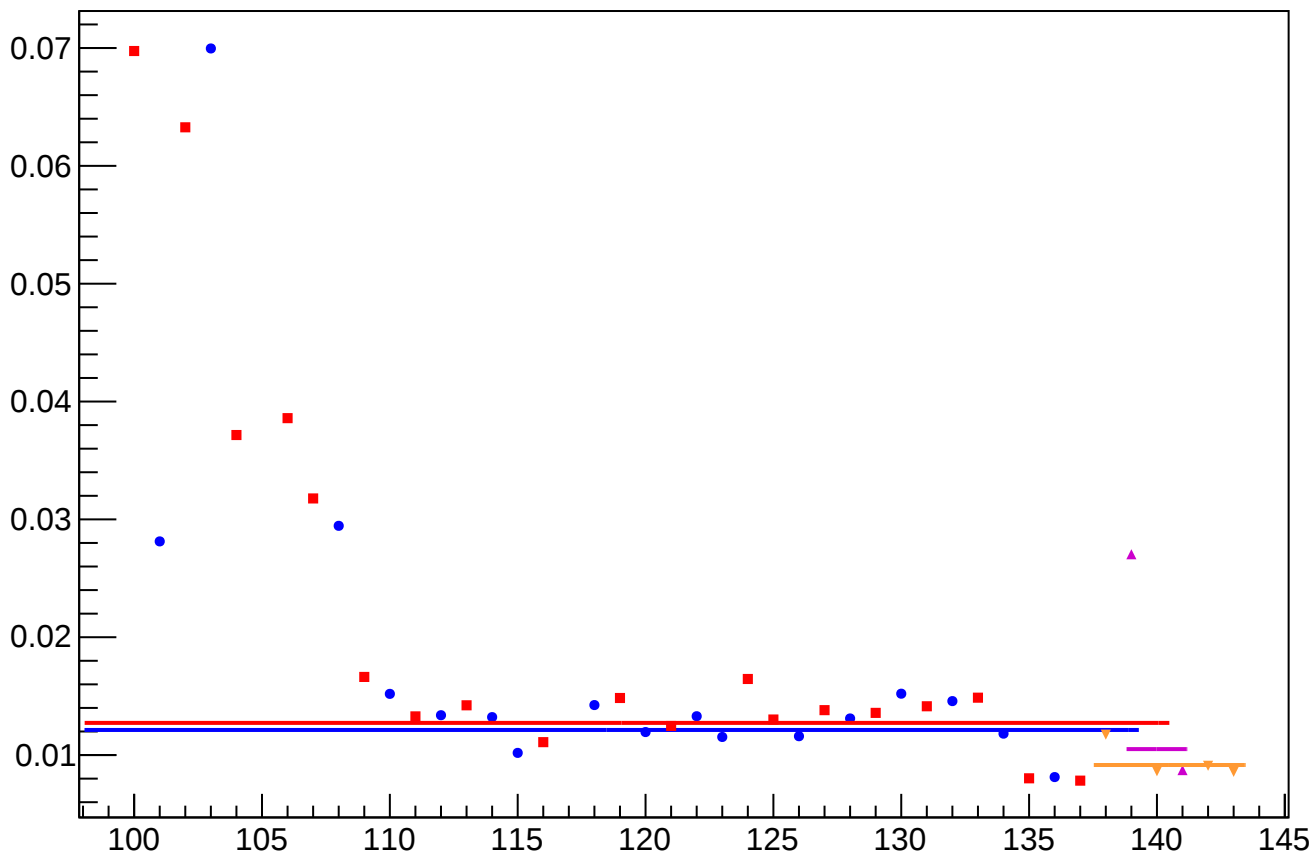
Right: -0.275 ± 0.000 $\chi^2/\text{NDF}: 1875885505.2/35$

In: -0.317 ± 0.000 $\chi^2/\text{NDF}: 1107307308.4/18$

Out: -0.347 ± 0.000 $\chi^2/\text{NDF}: 1405592403.4/22$

All: -0.334 ± 0.000 $\chi^2/\text{NDF}: 2534759197.7/4$

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1724778.2/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:58164.5/3

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1970038.2/18

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:550771.7/1

Left: 0.010 $\pm$ 0.000 χ^2 /NDF: 633395.8/5

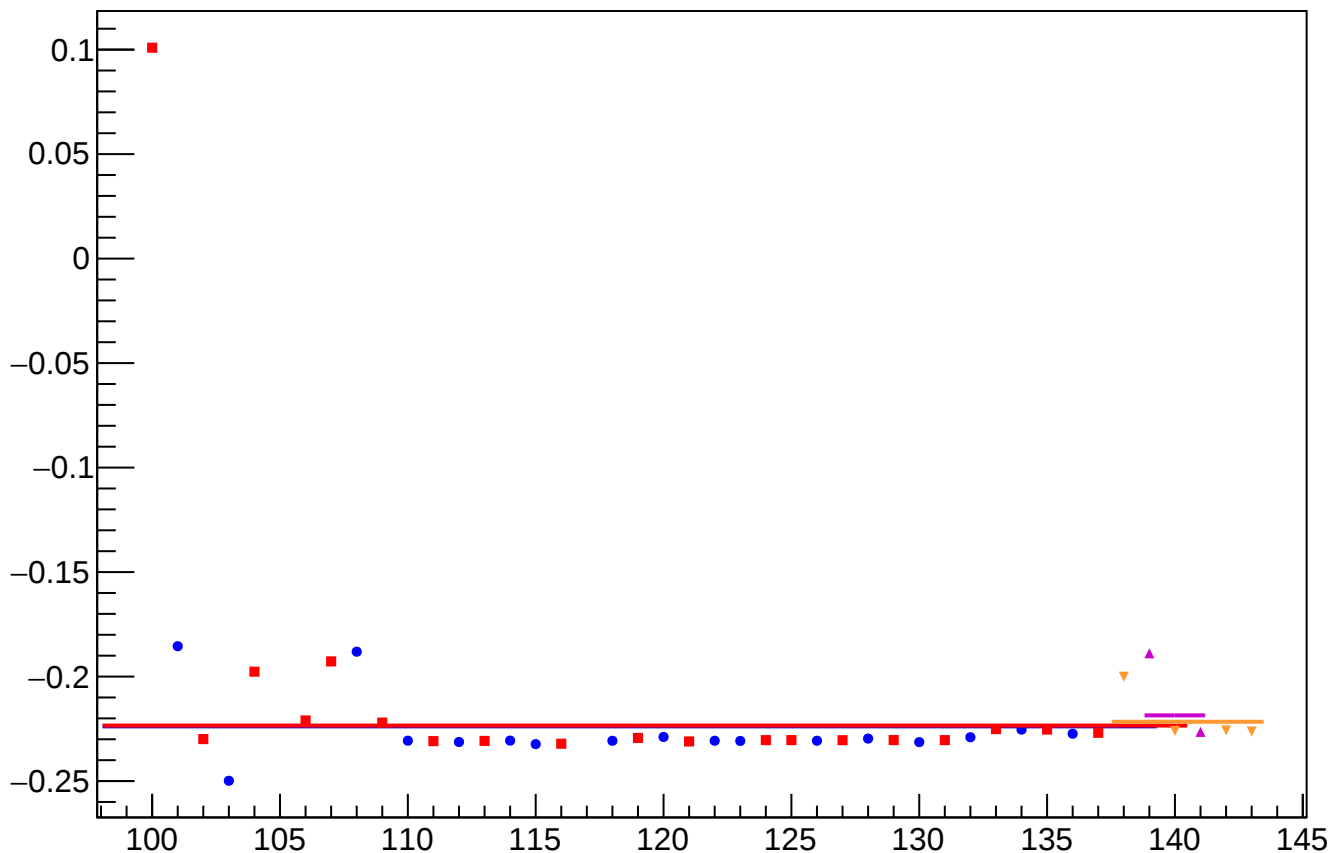
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 3705932.5/35

In: 0.012 $\pm$ 0.000 χ^2 /NDF:2313662.6/18

Out: 0.011 $\pm$ 0.000 χ^2 /NDF:2366981.3/22

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 4698809.8/41

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.224 ± 0.000 $\chi^2/\text{NDF}: 74308262.0/16$

Left Out: -0.222 ± 0.000 $\chi^2/\text{NDF}: 11360923.7/3$

Right Out: -0.223 ± 0.000 $\chi^2/\text{NDF}: 167796311.6/18$

Left In: -0.219 ± 0.000 $\chi^2/\text{NDF}: 11575416.3/1$

Left: -0.221 ± 0.000 $\chi^2/\text{NDF}: 23265670.9/5$

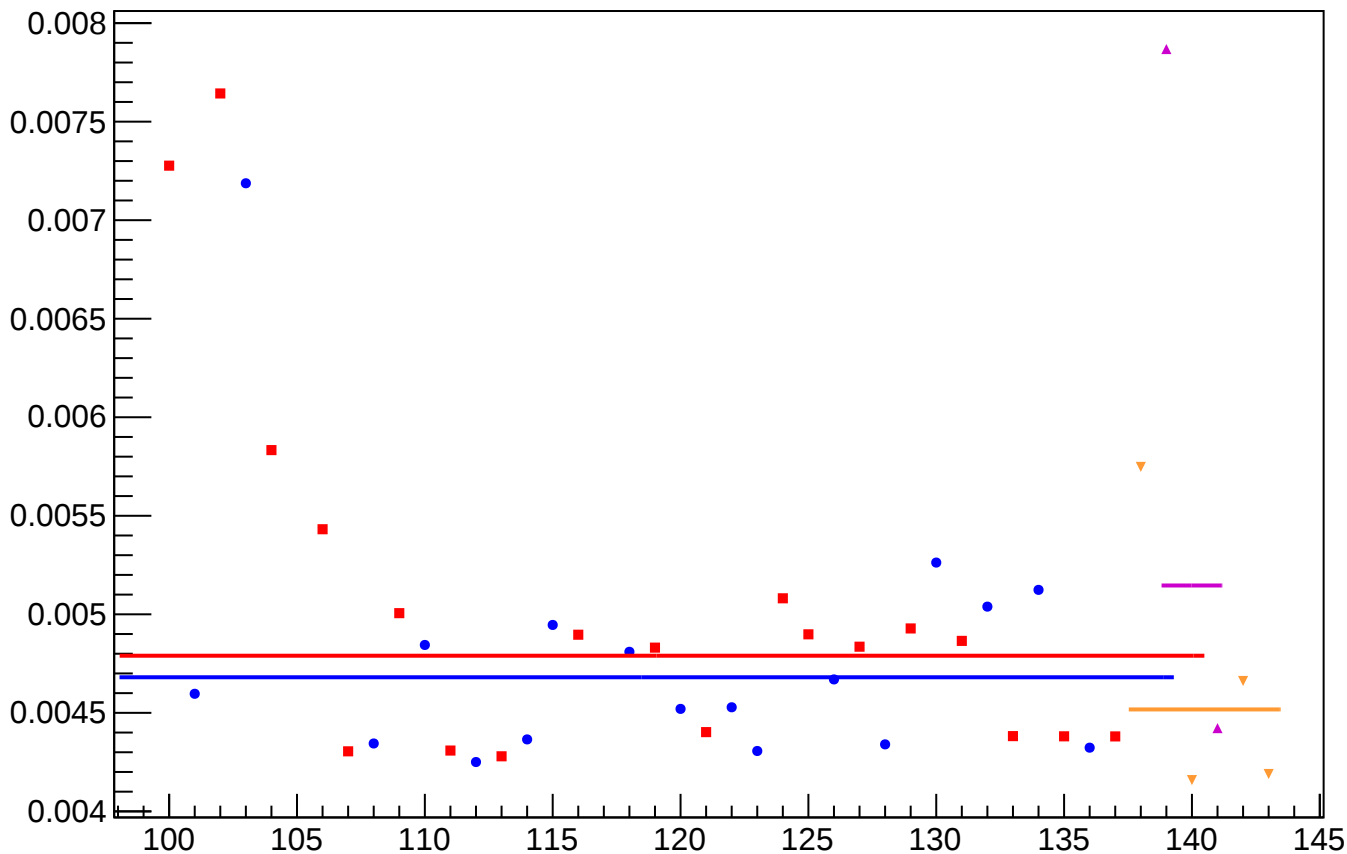
Right: -0.224 ± 0.000 $\chi^2/\text{NDF}: 242124166.5/35$

In: -0.223 ± 0.000 $\chi^2/\text{NDF}: 87042656.4/18$

Out: -0.223 ± 0.000 $\chi^2/\text{NDF}: 179429997.7/22$

All: -0.223 ± 0.000 $\chi^2/\text{NDF}: 266475081.2/41$

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 180630.9/16

Left Out: 0.005+/-0.000 χ^2/NDF : 81075.0/3

Right Out: 0.005+/-0.000 χ^2/NDF : 248518.8/18

Left In: 0.005+/-0.000 χ^2/NDF : 194668.8/1

Left: 0.005+/-0.000 χ^2/NDF : 303333.8/5

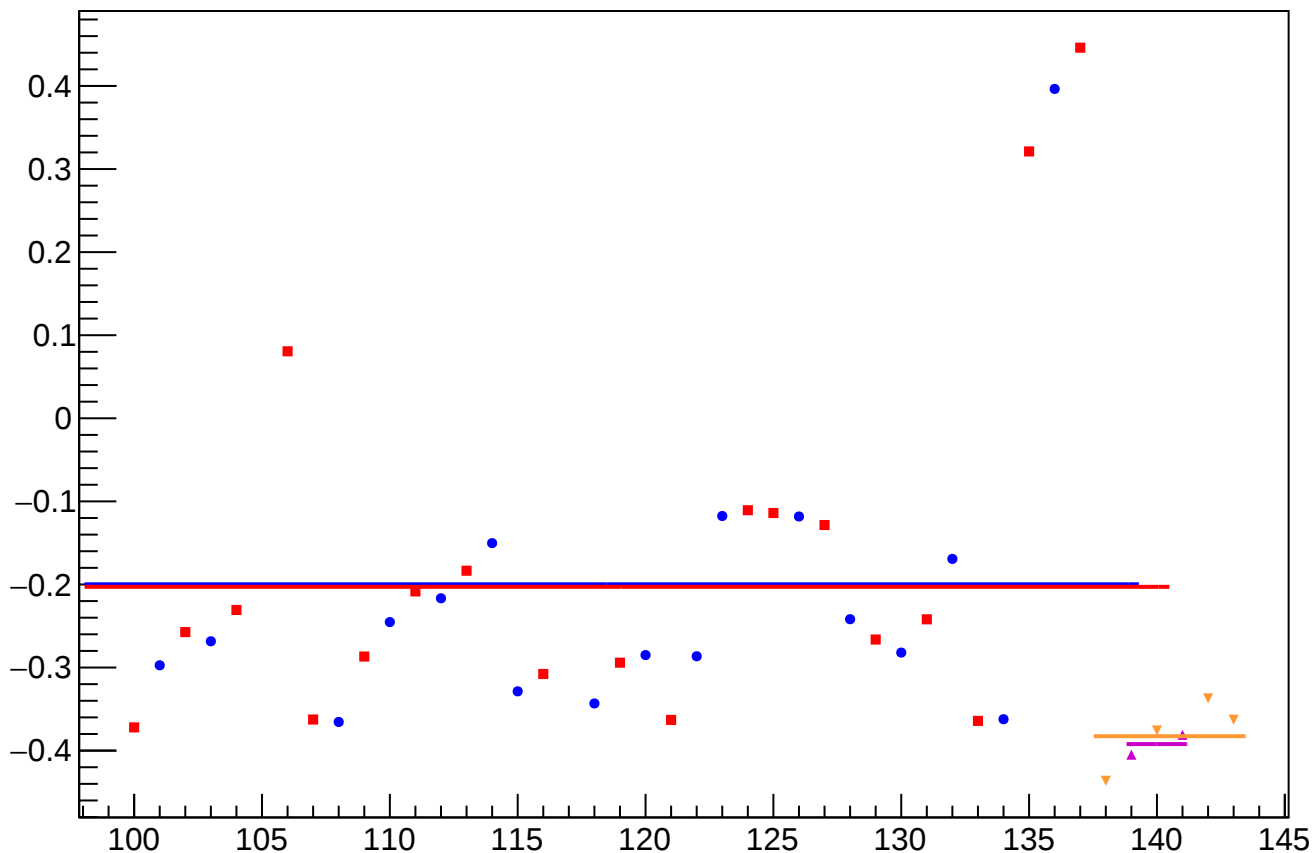
Right: 0.005+/-0.000 χ^2/NDF : 432453.6/35

In: 0.005+/-0.000 χ^2/NDF : 393461.3/18

Out: 0.005+/-0.000 χ^2/NDF : 341947.8/22

All: 0.005+/-0.000 χ^2/NDF : 736072.9/41

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.200 ± 0.000 $\chi^2/\text{NDF}: 5966157035.1/16$

Left Out: -0.383 ± 0.000 $\chi^2/\text{NDF}: 131656744.6/3$

Right Out: -0.203 ± 0.000 $\chi^2/\text{NDF}: 5025528680.0/18$

Left In: -0.392 ± 0.000 $\chi^2/\text{NDF}: 8521460.9/1$

Left: -0.386 ± 0.000 $\chi^2/\text{NDF}: 143610723.6/5$

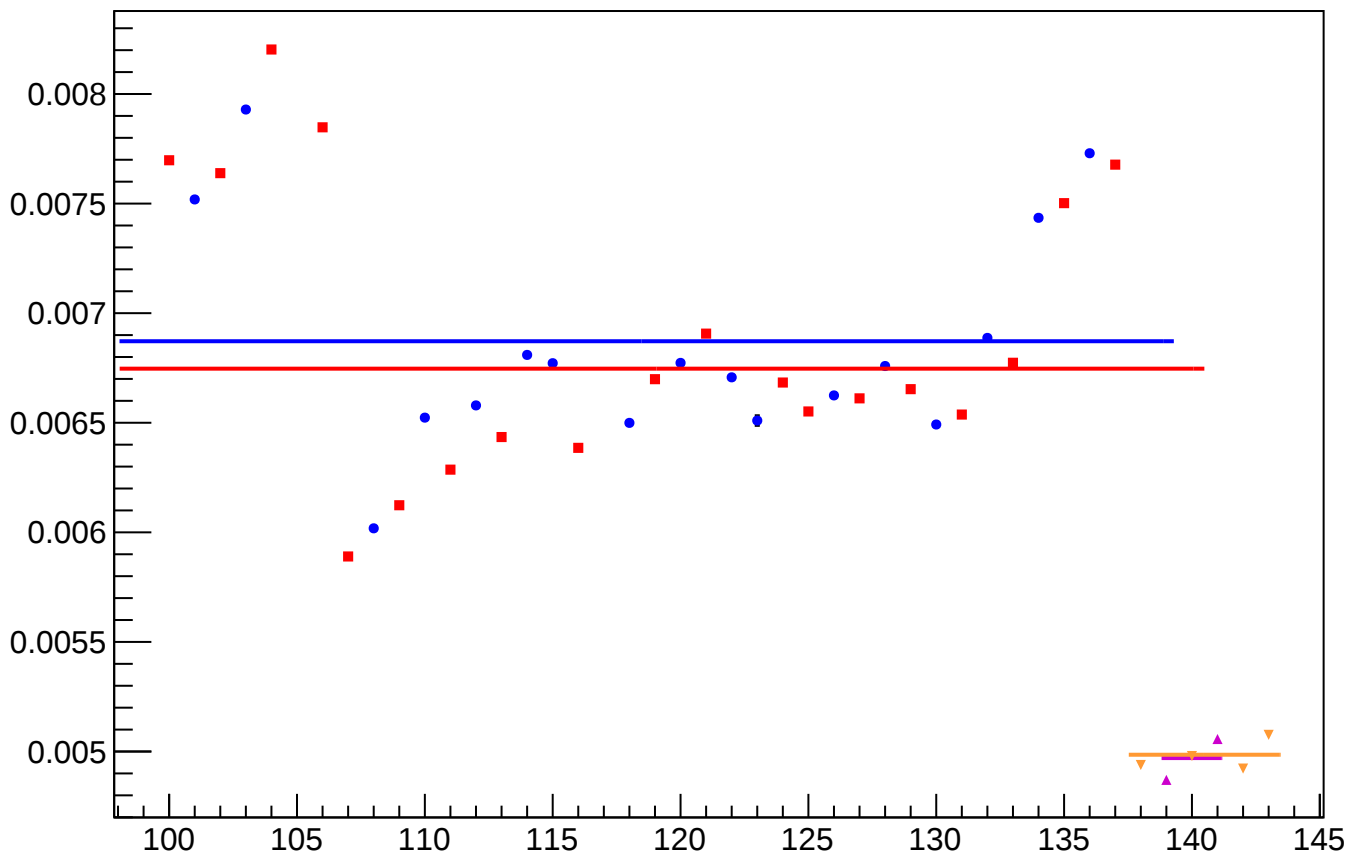
Right: -0.201 ± 0.000 $\chi^2/\text{NDF}: 10992344993.2/35$

In: -0.258 ± 0.000 $\chi^2/\text{NDF}: 7521418075.6/18$

Out: -0.277 ± 0.000 $\chi^2/\text{NDF}: 7167903350.9/22$

All: -0.269 ± 0.000 $\chi^2/\text{NDF}: 14730606623.3/71$

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 78685.4/16

Left Out: 0.005+/-0.000 χ^2/NDF : 738.2/3

Right Out: 0.007+/-0.000 χ^2/NDF : 105420.2/18

Left In: 0.005+/-0.000 χ^2/NDF : 1037.0/1

Left: 0.005+/-0.000 χ^2/NDF : 1792.9/5

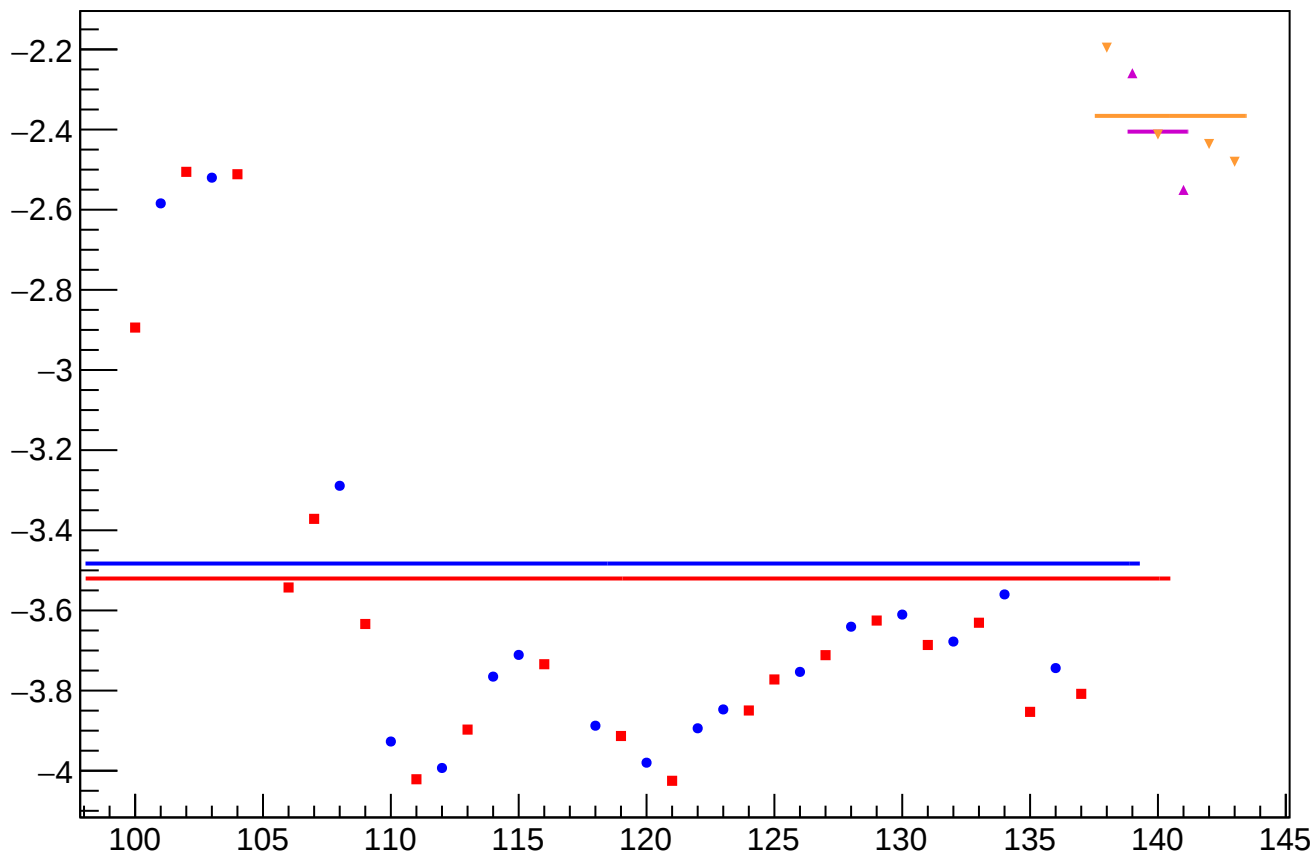
Right: 0.007+/-0.000 χ^2/NDF : 186365.3/35

In: 0.006+/-0.000 χ^2/NDF : 382355.0/18

Out: 0.006+/-0.000 χ^2/NDF : 492154.5/22

All: 0.006+/-0.000 χ^2/NDF : 891839.4/41

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.483+/-0.000 χ^2/NDF : 27157654838.2/16

Left Out: -2.366+/-0.000 χ^2/NDF : 361247906.9/3

Right Out: -3.520+/-0.000 χ^2/NDF : 26453336521.2/18

Left In: -2.405+/-0.000 χ^2/NDF : 300864002.1/1

Left: -2.380+/-0.000 χ^2/NDF : 676328783.9/5

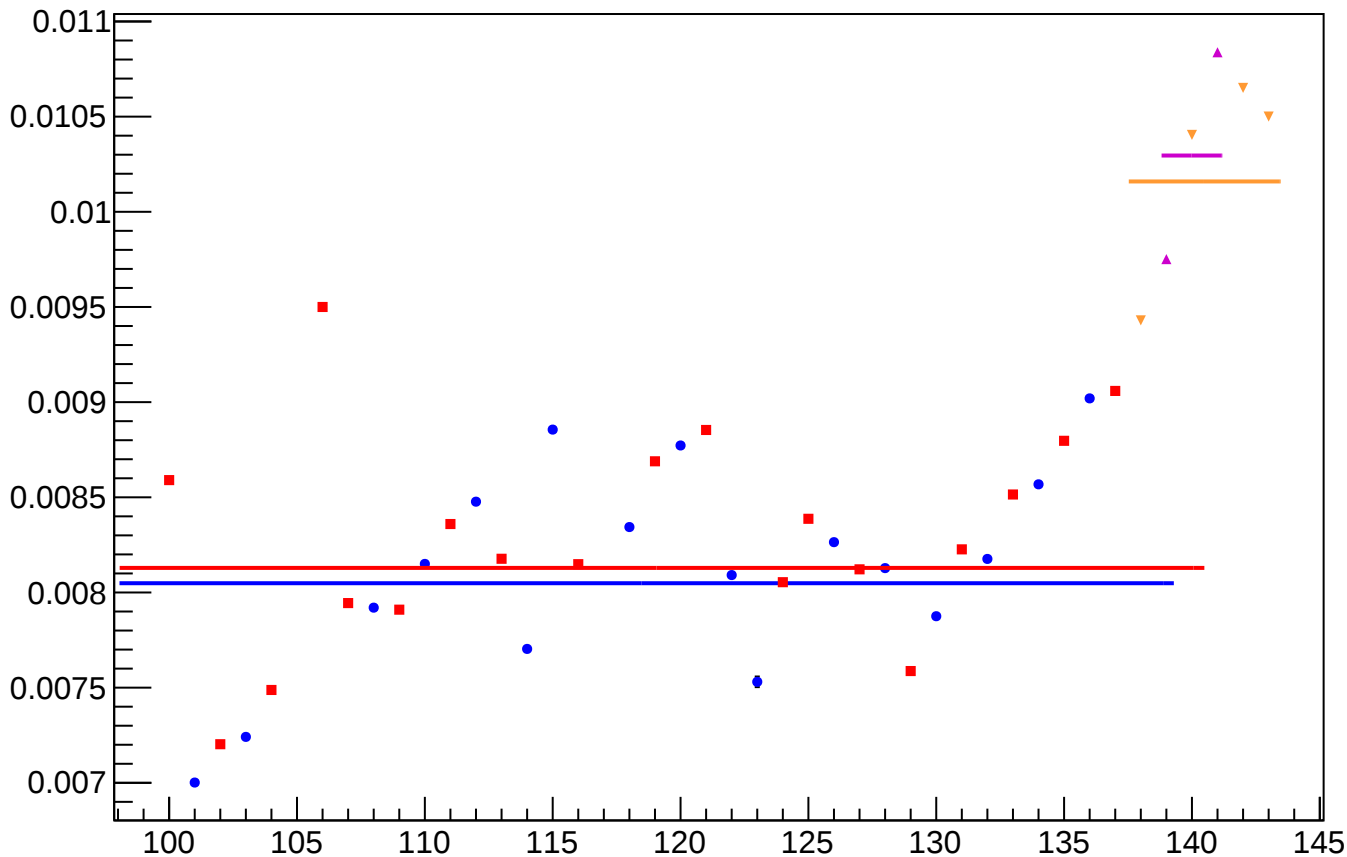
Right: -3.502+/-0.000 χ^2/NDF : 53681520881.9/35

In: -3.349+/-0.000 χ^2/NDF : 41896021472.3/18

Out: -3.285+/-0.000 χ^2/NDF : 54510172447.6/22

All: -3.315+/-0.000 χ^2/NDF : 96650852393.7/1

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 72176.4/16

Left Out: 0.010+/-0.000 χ^2/NDF :12970.7/3

Right Out: 0.008+/-0.000 χ^2/NDF : 57777.8/18

Left In: 0.010+/-0.000 χ^2/NDF :8380.2/1

Left: 0.010+/-0.000 χ^2/NDF : 21692.1/5

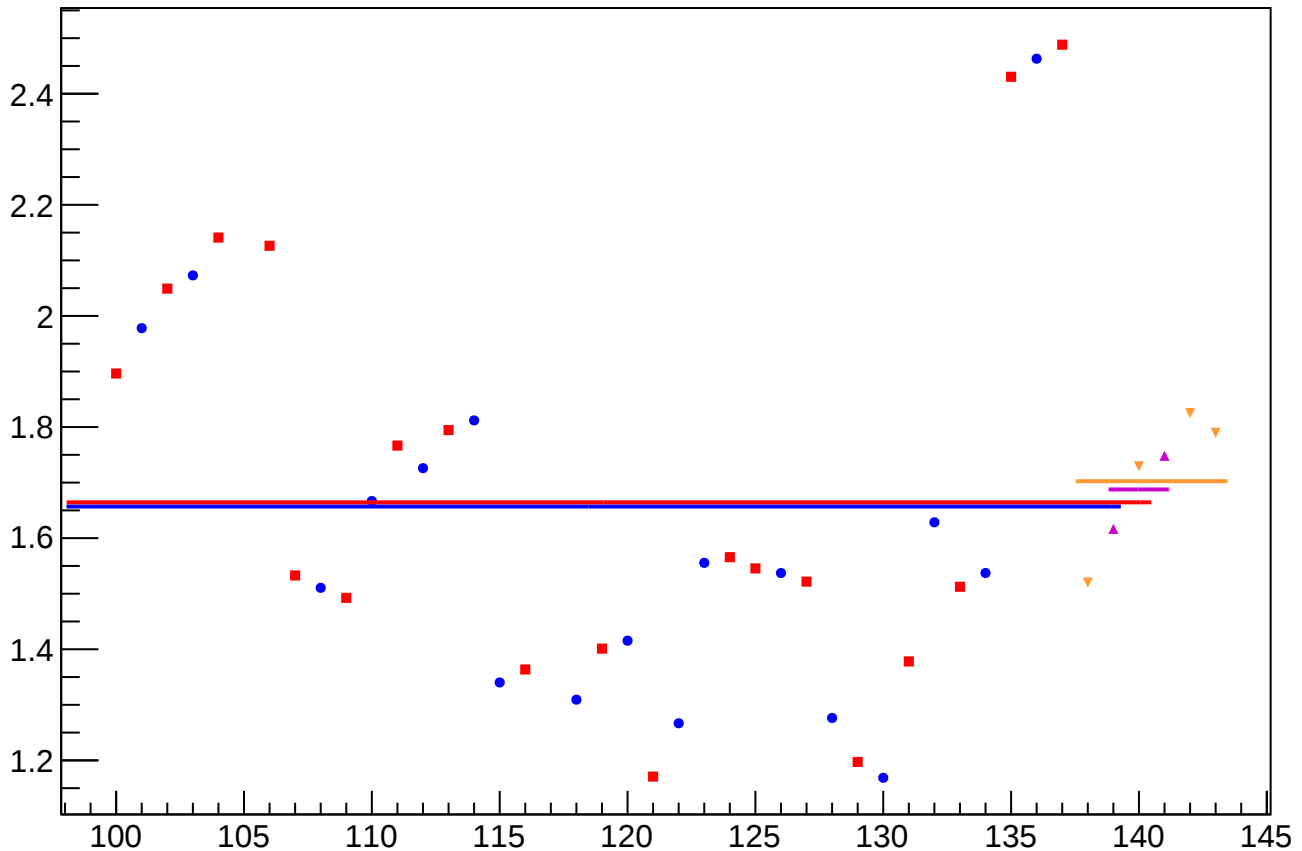
Right: 0.008+/-0.000 χ^2/NDF : 130608.9/35

In: 0.008+/-0.000 χ^2/NDF :206076.1/18

Out: 0.009+/-0.000 χ^2/NDF :242083.6/22

All: 0.008+/-0.000 χ^2/NDF : 453715.4/41

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF : 6432420267.9/16

Left Out: 1.702+/-0.000 χ^2/NDF : 307723557.5/3

Right Out: 1.664+/-0.000 χ^2/NDF : 5940917748.5/18

Left In: 1.688+/-0.000 χ^2/NDF : 55752389.8/1

Left: 1.697+/-0.000 χ^2/NDF : 365268613.9/5

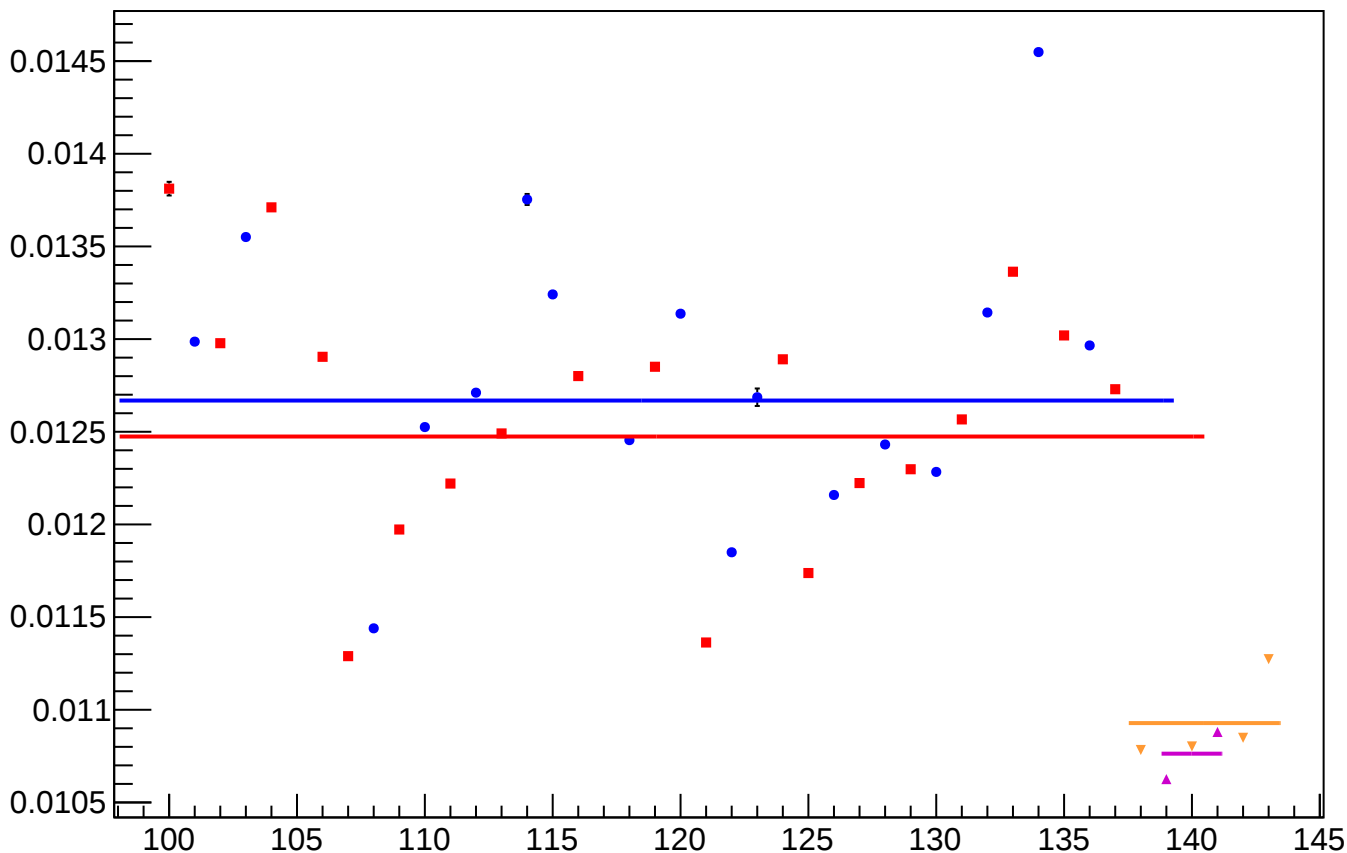
Right: 1.661+/-0.000 χ^2/NDF : 12374534399.5/35

In: 1.664+/-0.000 χ^2/NDF : 6497435839.5/18

Out: 1.677+/-0.000 χ^2/NDF : 6269957851.0/22

All: 1.671+/-0.000 χ^2/NDF : 12772273003.5/4

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF : 31725.8/16

Left Out: 0.011+/-0.000 χ^2/NDF :1903.7/3

Right Out: 0.012+/-0.000 χ^2/NDF : 38559.4/18

Left In: 0.011+/-0.000 χ^2/NDF :416.4/1

Left: 0.011+/-0.000 χ^2/NDF : 2765.6/5

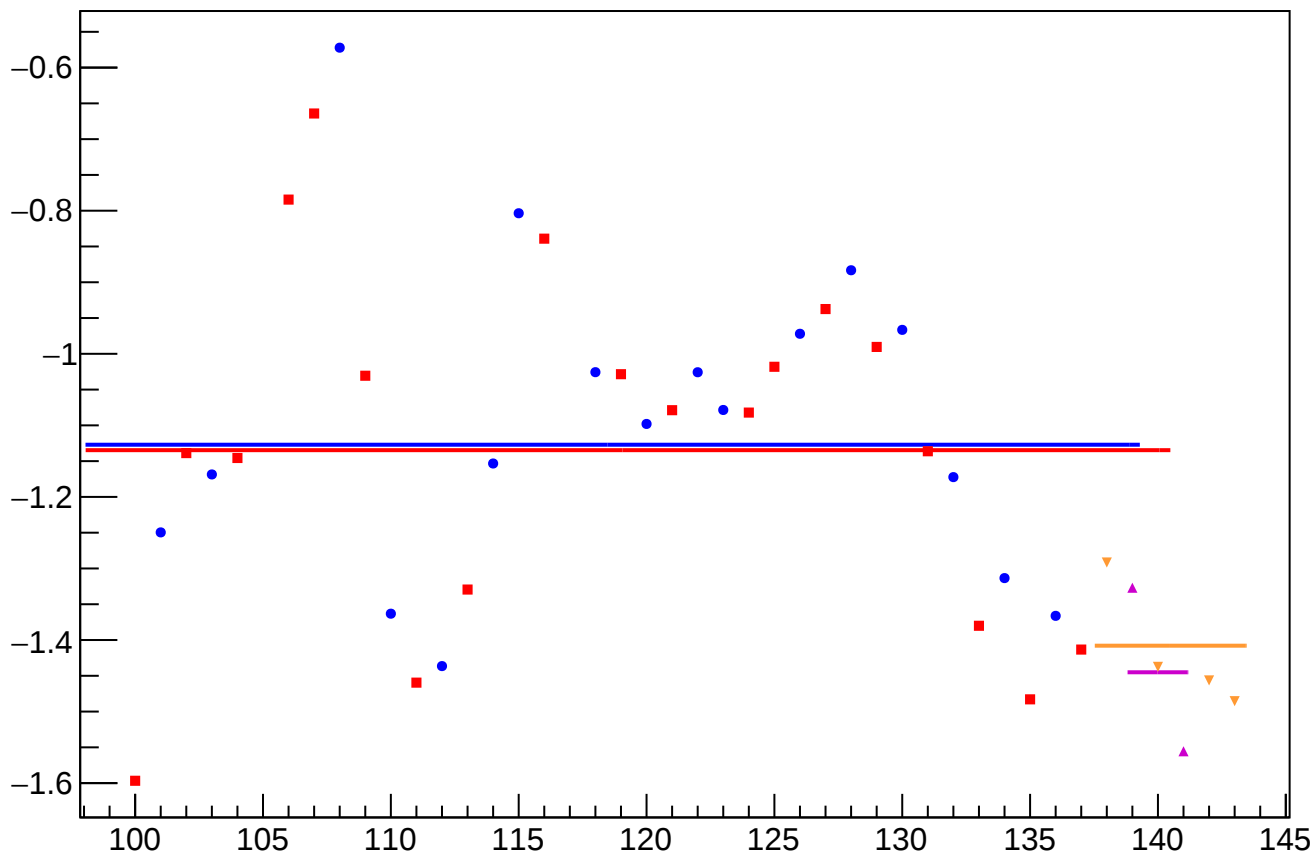
Right: 0.013+/-0.000 χ^2/NDF : 71882.0/35

In: 0.012+/-0.000 χ^2/NDF :103475.8/18

Out: 0.012+/-0.000 χ^2/NDF :111055.9/22

All: 0.012+/-0.000 χ^2/NDF : 218298.7/41

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -1.127+/-0.000 χ^2/NDF : 3546179478.6/16

Left Out: -1.408+/-0.000 χ^2/NDF : 249749422.9/3

Right Out: -1.135+/-0.000 χ^2/NDF : 3674870672.6/18

Left In: -1.445+/-0.000 χ^2/NDF : 277257212.9/1

Left: -1.421+/-0.000 χ^2/NDF : 546061340.9/5

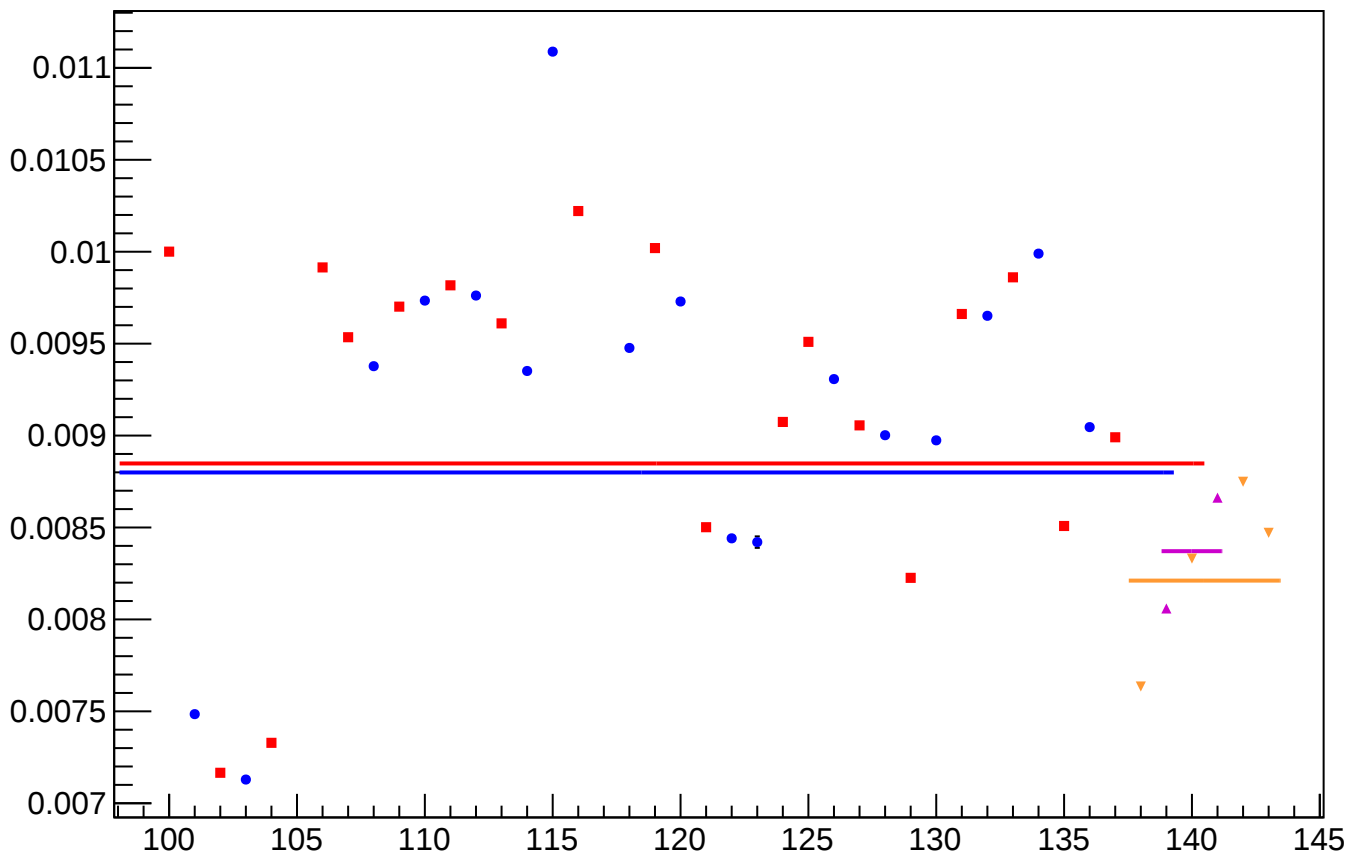
Right: -1.131+/-0.000 χ^2/NDF : 7223462061.2/35

In: -1.192+/-0.000 χ^2/NDF : 5530551480.5/18

Out: -1.222+/-0.000 χ^2/NDF : 5927216313.2/22

All: -1.208+/-0.000 χ^2/NDF : 11505762817.2/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 151524.0/16

Left Out: 0.008+/-0.000 χ^2/NDF :12919.6/3

Right Out: 0.009+/-0.000 χ^2/NDF : 174016.9/18

Left In: 0.008+/-0.000 χ^2/NDF :3856.0/1

Left: 0.008+/-0.000 χ^2/NDF : 17482.7/5

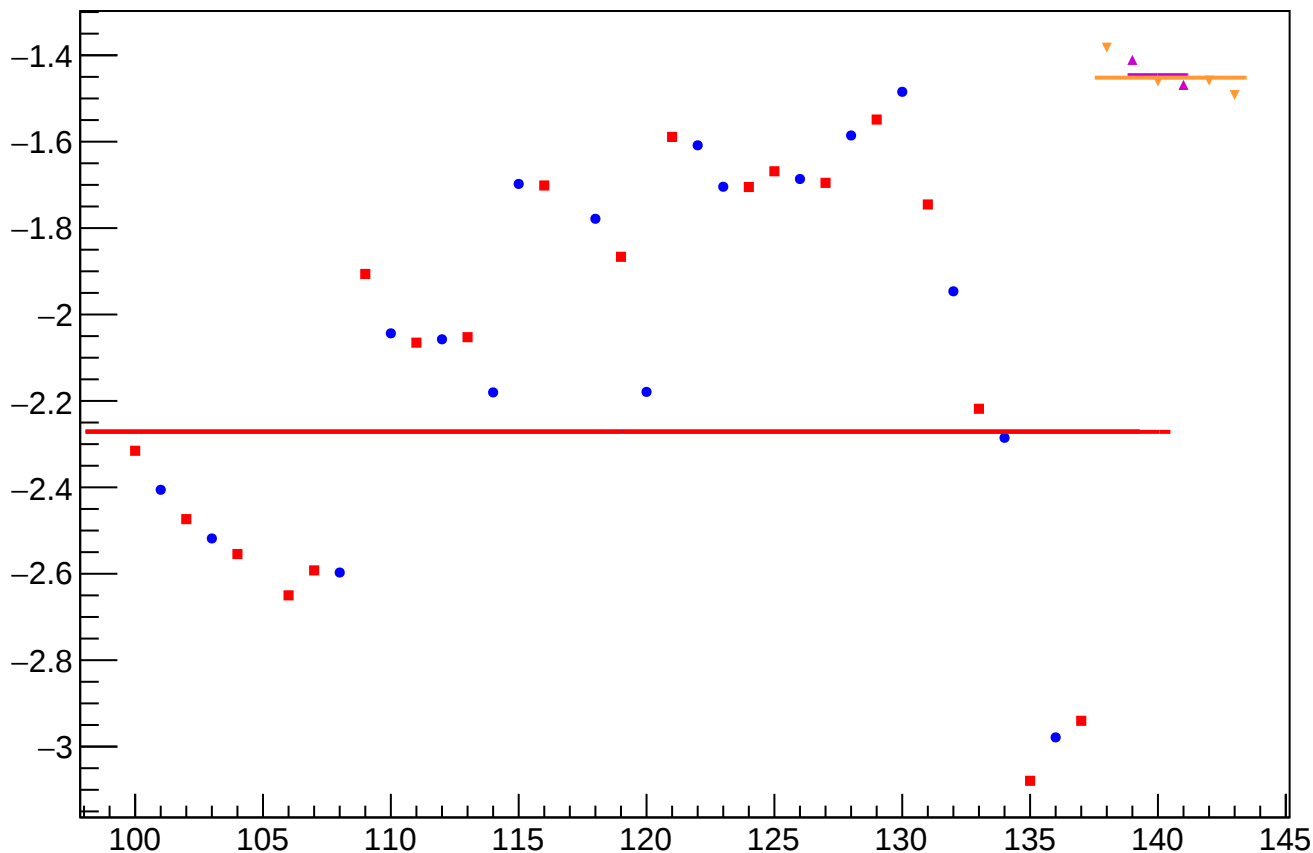
Right: 0.009+/-0.000 χ^2/NDF : 325740.2/35

In: 0.009+/-0.000 χ^2/NDF :161567.5/18

Out: 0.009+/-0.000 χ^2/NDF :208714.1/22

All: 0.009+/-0.000 χ^2/NDF : 370769.7/41

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -2.271+/-0.000 χ^2/NDF : 17322622121.9/16

Left Out: -1.452+/-0.000 χ^2/NDF : 65347944.6/3

Right Out: -2.272+/-0.000 χ^2/NDF : 19002792241.6/18

Left In: -1.446+/-0.000 χ^2/NDF : 18044989.0/1

Left: -1.450+/-0.000 χ^2/NDF : 83875034.8/5

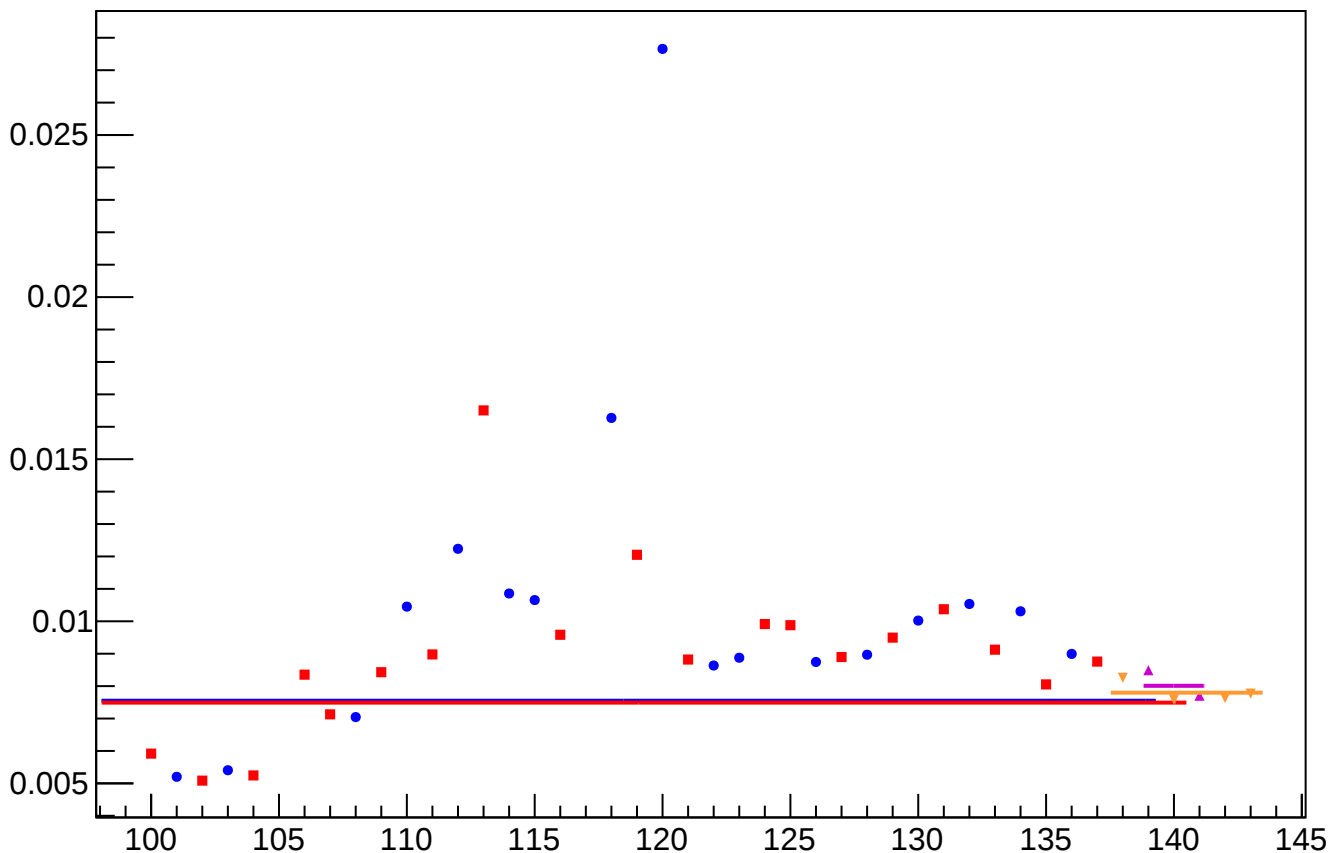
Right: -2.271+/-0.000 χ^2/NDF : 36325463324.0/35

In: -2.102+/-0.000 χ^2/NDF : 29571475850.7/18

Out: -2.032+/-0.000 χ^2/NDF : 38637383624.8/22

All: -2.063+/-0.000 χ^2/NDF : 68513662560.6/35

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 1215131.1/16

Left Out: 0.008+/-0.000 χ^2/NDF : 5507.9/3

Right Out: 0.007+/-0.000 χ^2/NDF : 926036.5/18

Left In: 0.008+/-0.000 χ^2/NDF : 6641.1/1

Left: 0.008+/-0.000 χ^2/NDF : 13462.2/5

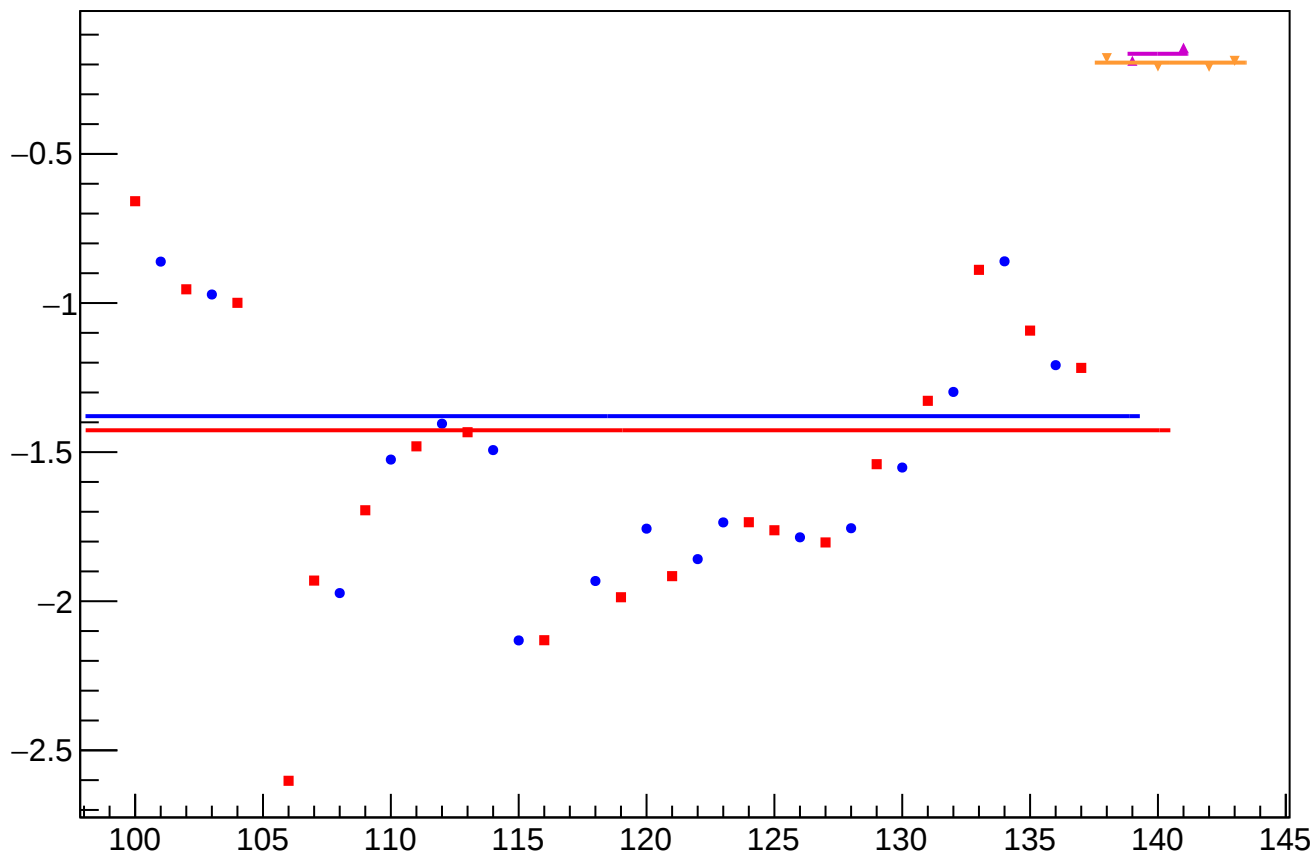
Right: 0.008+/-0.000 χ^2/NDF : 2141481.5/35

In: 0.008+/-0.000 χ^2/NDF : 1229405.0/18

Out: 0.008+/-0.000 χ^2/NDF : 937011.9/22

All: 0.008+/-0.000 χ^2/NDF : 2166900.9/41

yield_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: -1.379 ± 0.000 $\chi^2/\text{NDF}: 19933785465.4/16$

Left Out: -0.194 ± 0.000 $\chi^2/\text{NDF}: 23186533.5/3$

Right Out: -1.427 ± 0.000 $\chi^2/\text{NDF}: 29588471982.5/18$

Left In: -0.164 ± 0.000 $\chi^2/\text{NDF}: 39444737.9/1$

Left: -0.184 ± 0.000 $\chi^2/\text{NDF}: 110007368.1/5$

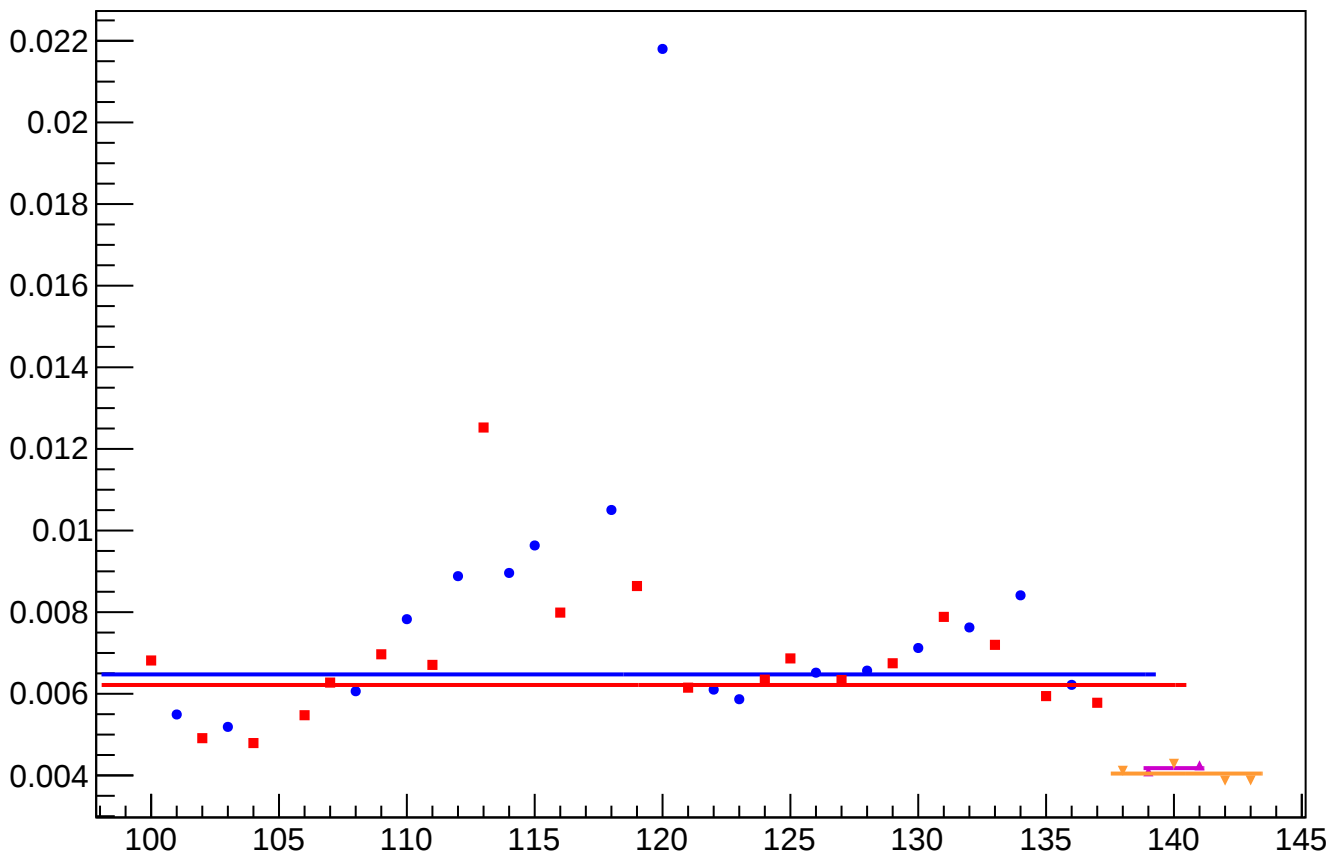
Right: -1.405 ± 0.000 $\chi^2/\text{NDF}: 49678951559.0/35$

In: -0.906 ± 0.000 $\chi^2/\text{NDF}: 94370550715.1/18$

Out: -0.801 ± 0.000 $\chi^2/\text{NDF}: 146694981499.0/22$

All: -0.844 ± 0.000 $\chi^2/\text{NDF}: 242461716849.4$

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 570434.3/16

Left Out: 0.004+/-0.000 χ^2/NDF :9317.2/3

Right Out: 0.006+/-0.000 χ^2/NDF : 418205.6/18

Left In: 0.004+/-0.000 χ^2/NDF :883.7/1

Left: 0.004+/-0.000 χ^2/NDF : 12115.5/5

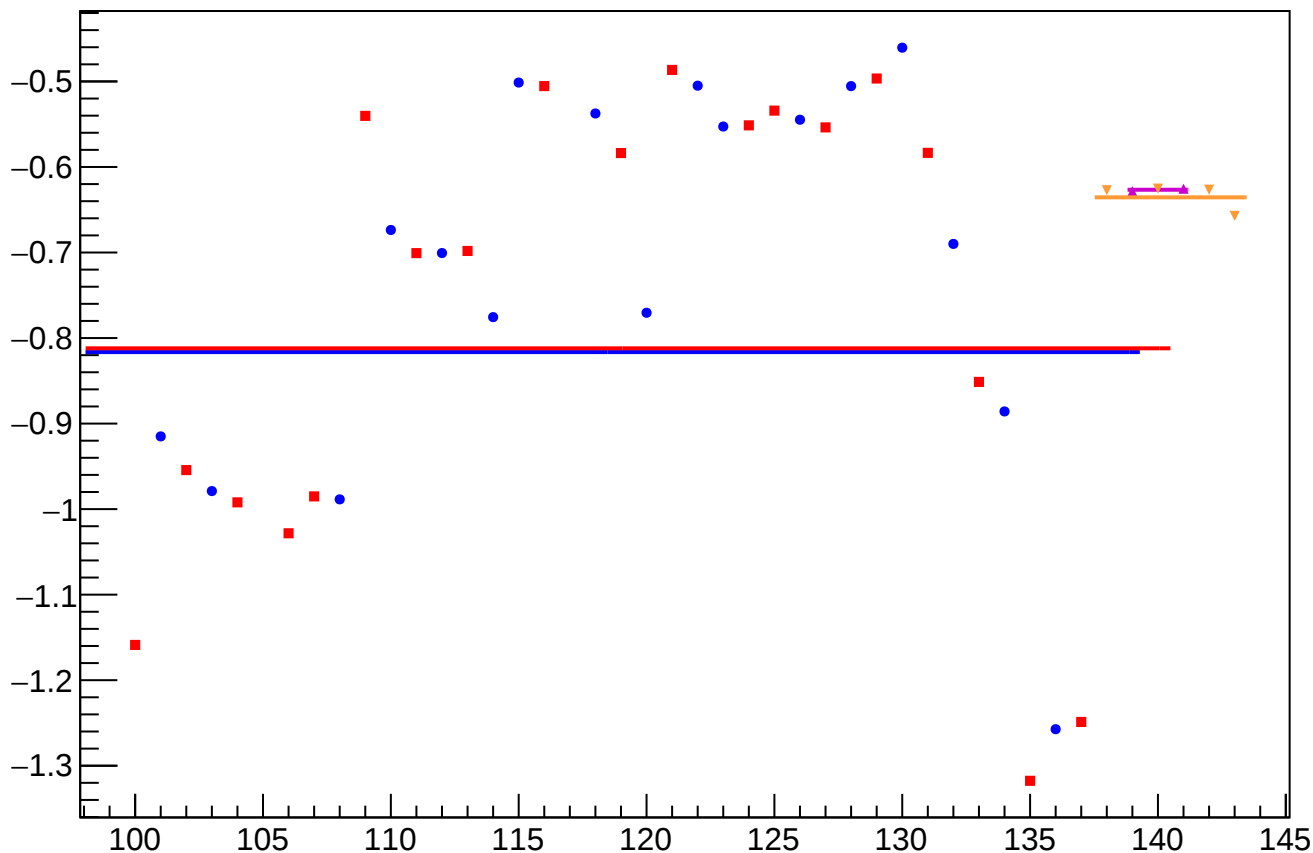
Right: 0.006+/-0.000 χ^2/NDF : 998013.7/35

In: 0.006+/-0.000 χ^2/NDF :1102662.9/18

Out: 0.005+/-0.000 χ^2/NDF :1153249.6/22

All: 0.005+/-0.000 χ^2/NDF : 2310656.5/41

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.816+/-0.000 χ^2/NDF : 14108272810.0/16

Left Out: -0.636+/-0.000 χ^2/NDF : 17979728.8/3

Right Out: -0.812+/-0.000 χ^2/NDF : 16809508448.8/18

Left In: -0.627+/-0.000 χ^2/NDF : 100265.3/1

Left: -0.632+/-0.000 χ^2/NDF : 20549375.6/5

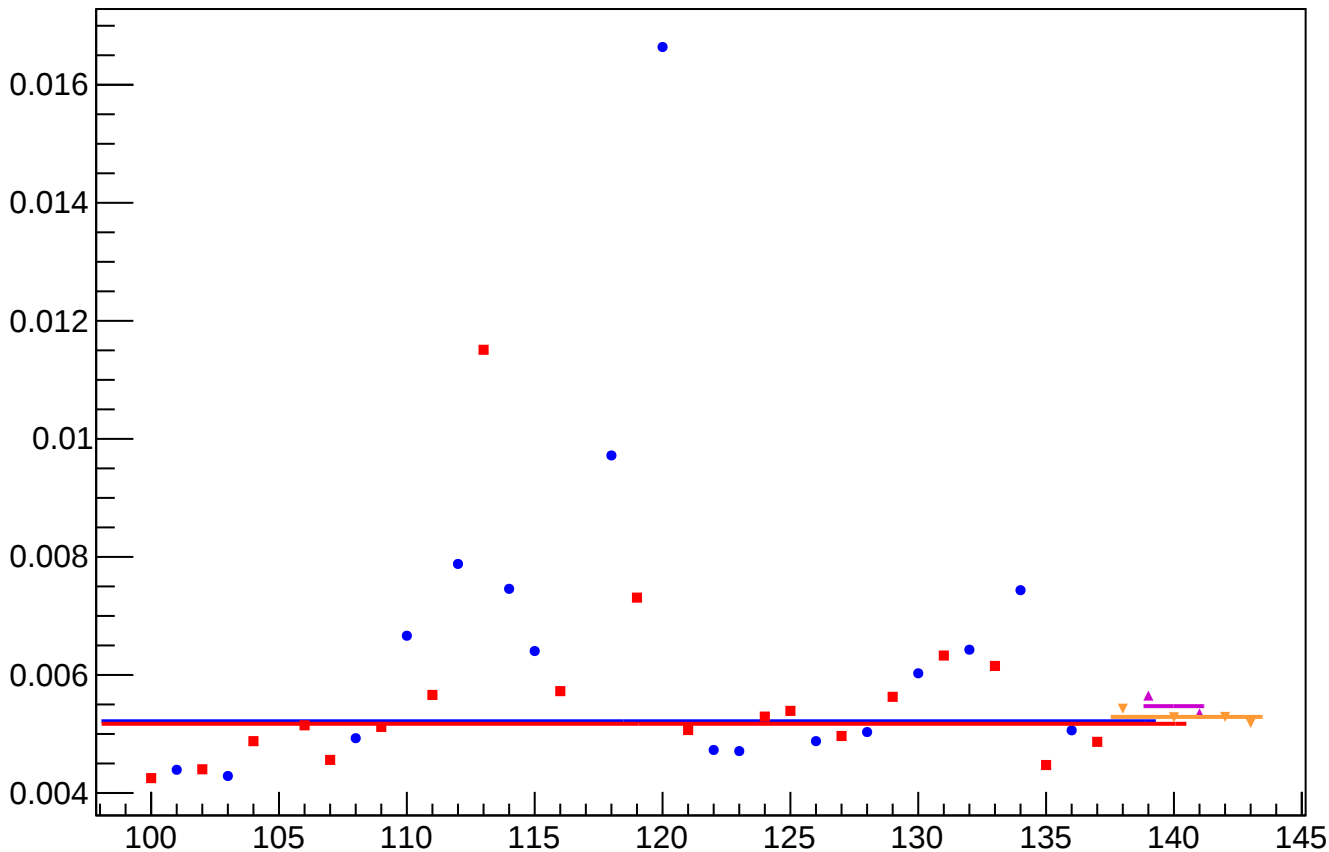
Right: -0.814+/-0.000 χ^2/NDF : 30919803478.2/35

In: -0.779+/-0.000 χ^2/NDF : 15500843481.1/18

Out: -0.761+/-0.000 χ^2/NDF : 18808352074.9/22

All: -0.769+/-0.000 χ^2/NDF : 34351627043.7/4

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 662832.6/16

Left Out: 0.005+/-0.000 χ^2/NDF :1405.9/3

Right Out: 0.005+/-0.000 χ^2/NDF : 359707.6/18

Left In: 0.005+/-0.000 χ^2/NDF :2120.9/1

Left: 0.005+/-0.000 χ^2/NDF : 5600.3/5

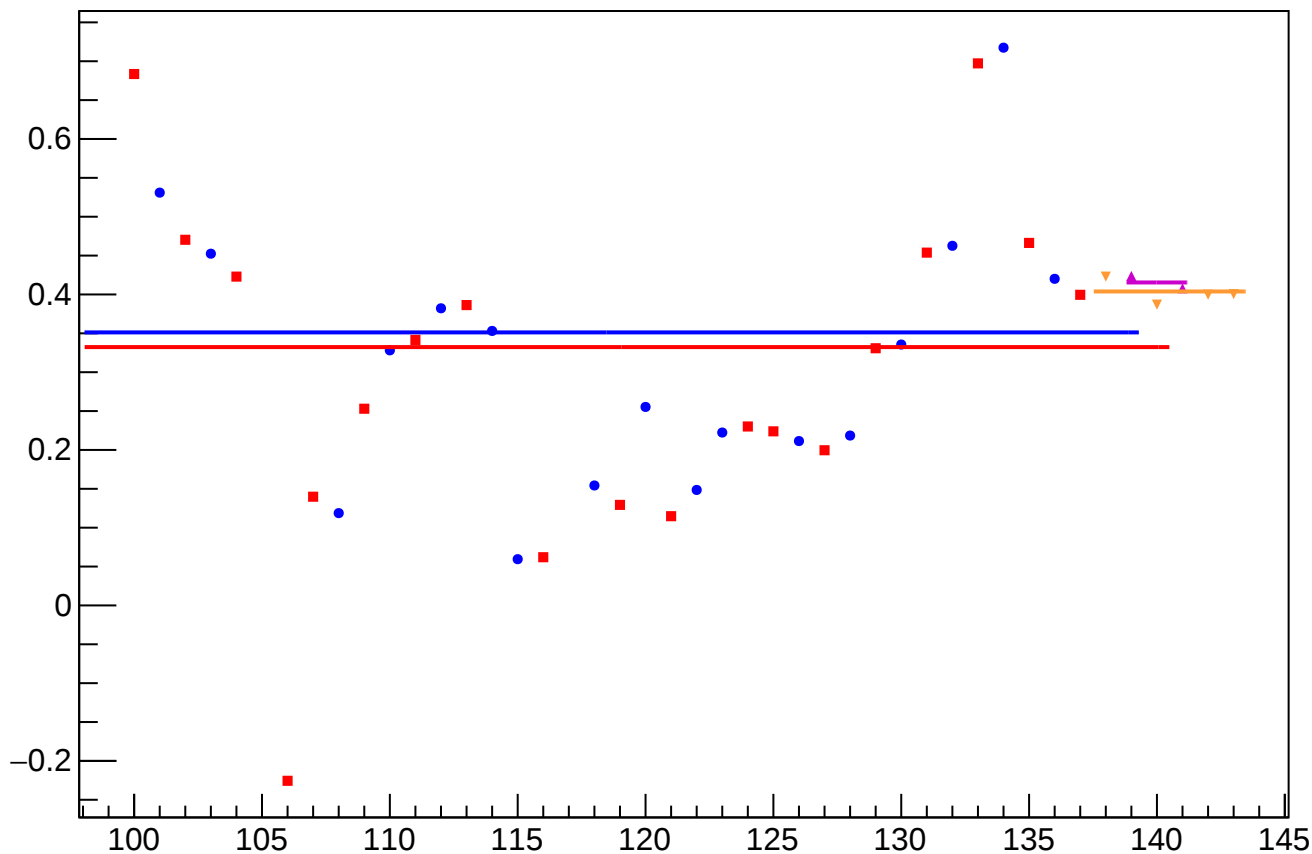
Right: 0.005+/-0.000 χ^2/NDF : 1022911.9/35

In: 0.005+/-0.000 χ^2/NDF :670036.9/18

Out: 0.005+/-0.000 χ^2/NDF :362844.0/22

All: 0.005+/-0.000 χ^2/NDF : 1033845.8/41

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.351+/-0.000 χ^2/NDF : 7385246200.8/16

Left Out: 0.404+/-0.000 χ^2/NDF : 30567326.3/3

Right Out: 0.332+/-0.000 χ^2/NDF : 11783358695.7/18

Left In: 0.415+/-0.000 χ^2/NDF : 5519284.6/1

Left: 0.408+/-0.000 χ^2/NDF : 43798536.6/5

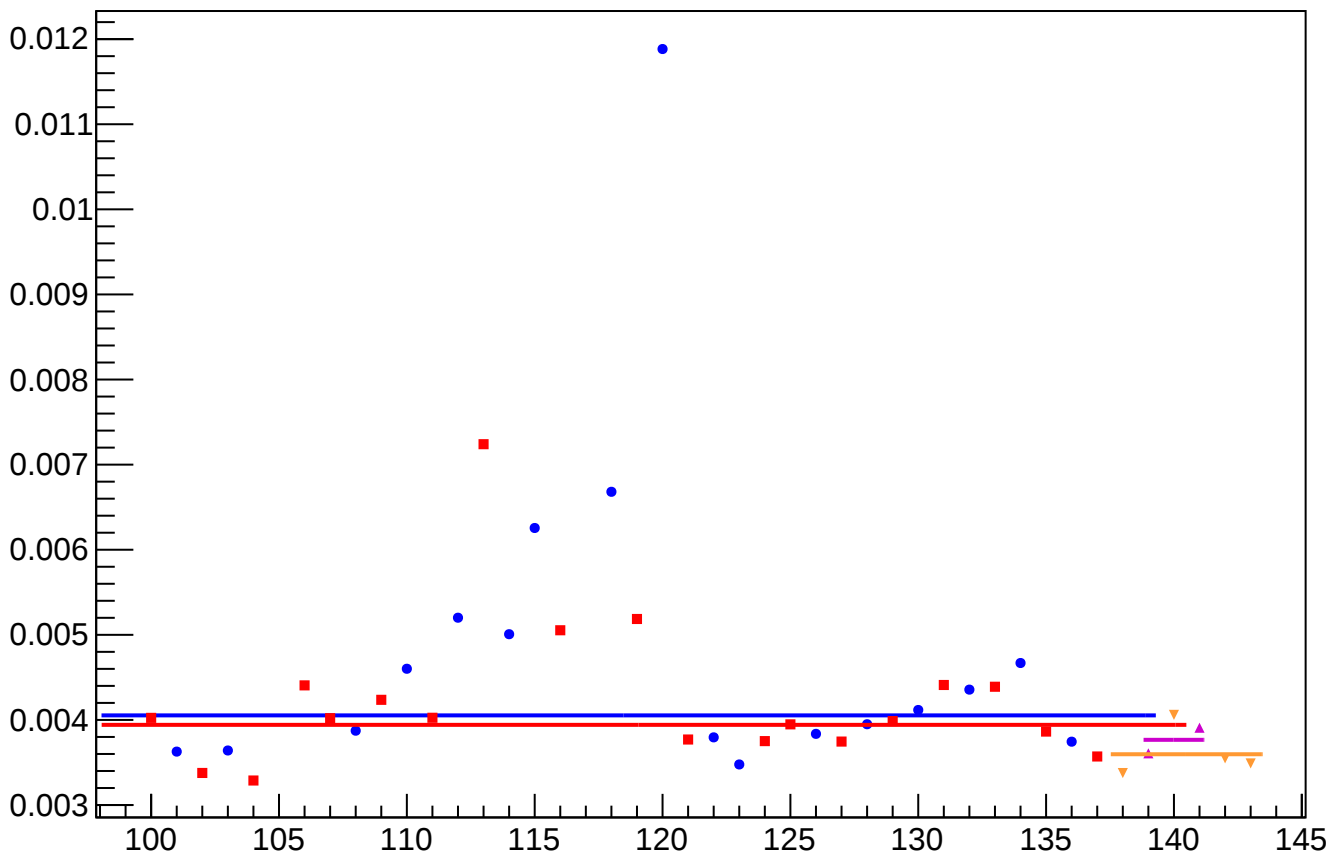
Right: 0.341+/-0.000 χ^2/NDF : 19234190594.7/35

In: 0.364+/-0.000 χ^2/NDF : 7677988828.7/18

Out: 0.354+/-0.000 χ^2/NDF : 12419794173.2/22

All: 0.358+/-0.000 χ^2/NDF : 20123491902.2/4

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 453717.7/16

Left Out: 0.004+/-0.000 χ^2/NDF :22931.2/3

Right Out: 0.004+/-0.000 χ^2/NDF : 259219.7/18

Left In: 0.004+/-0.000 χ^2/NDF :3936.4/1

Left: 0.004+/-0.000 χ^2/NDF : 30172.6/5

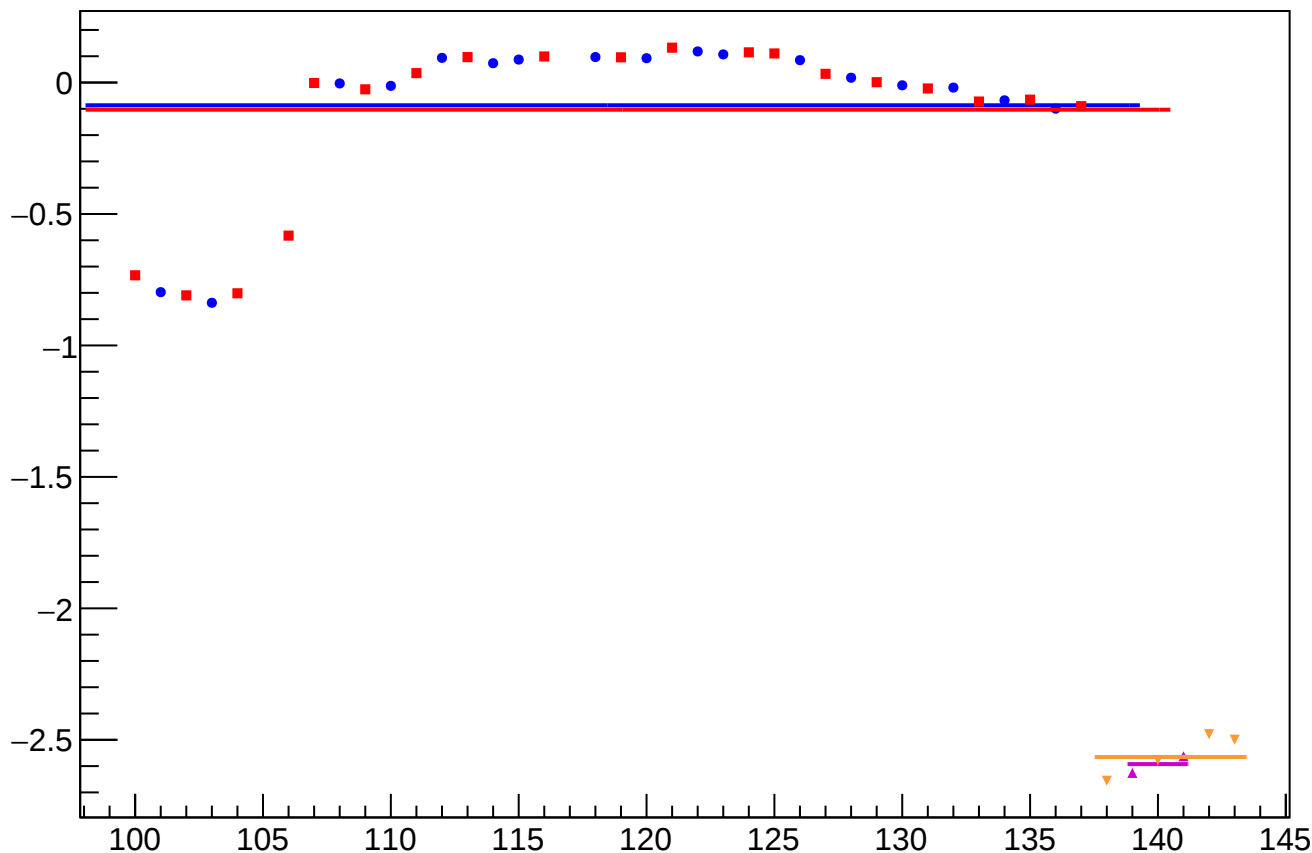
Right: 0.004+/-0.000 χ^2/NDF : 717489.4/35

In: 0.004+/-0.000 χ^2/NDF :469140.4/18

Out: 0.004+/-0.000 χ^2/NDF :310380.0/22

All: 0.004+/-0.000 χ^2/NDF : 791661.4/41

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.086+/-0.000 χ^2/NDF : 4986216359.8/16

Left Out: -2.565+/-0.000 χ^2/NDF : 68732349.2/3

Right Out: -0.103+/-0.000 χ^2/NDF : 5547327629.3/18

Left In: -2.592+/-0.000 χ^2/NDF : 8195940.6/1

Left: -2.575+/-0.000 χ^2/NDF : 80718028.1/5

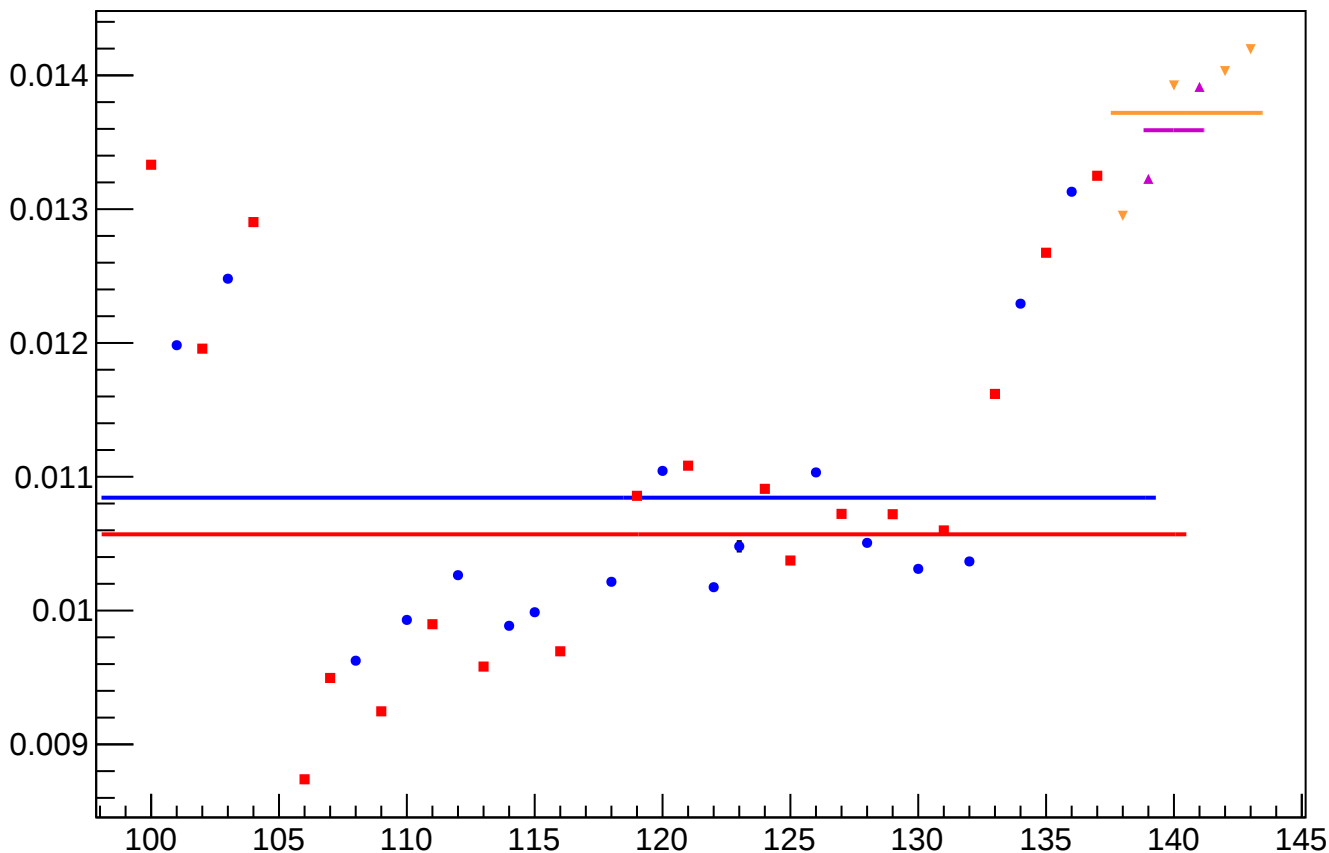
Right: -0.095+/-0.000 χ^2/NDF : 10541991957.2/35

In: -0.406+/-0.000 χ^2/NDF : 50052077367.0/18

Out: -0.563+/-0.000 χ^2/NDF : 76458246588.9/22

All: -0.492+/-0.000 χ^2/NDF : 127375578705.4

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 124179.6/16

Left Out: 0.014+/-0.000 χ^2/NDF : 7597.4/3

Right Out: 0.011+/-0.000 χ^2/NDF : 178759.8/18

Left In: 0.014+/-0.000 χ^2/NDF : 1936.6/1

Left: 0.014+/-0.000 χ^2/NDF : 9710.2/5

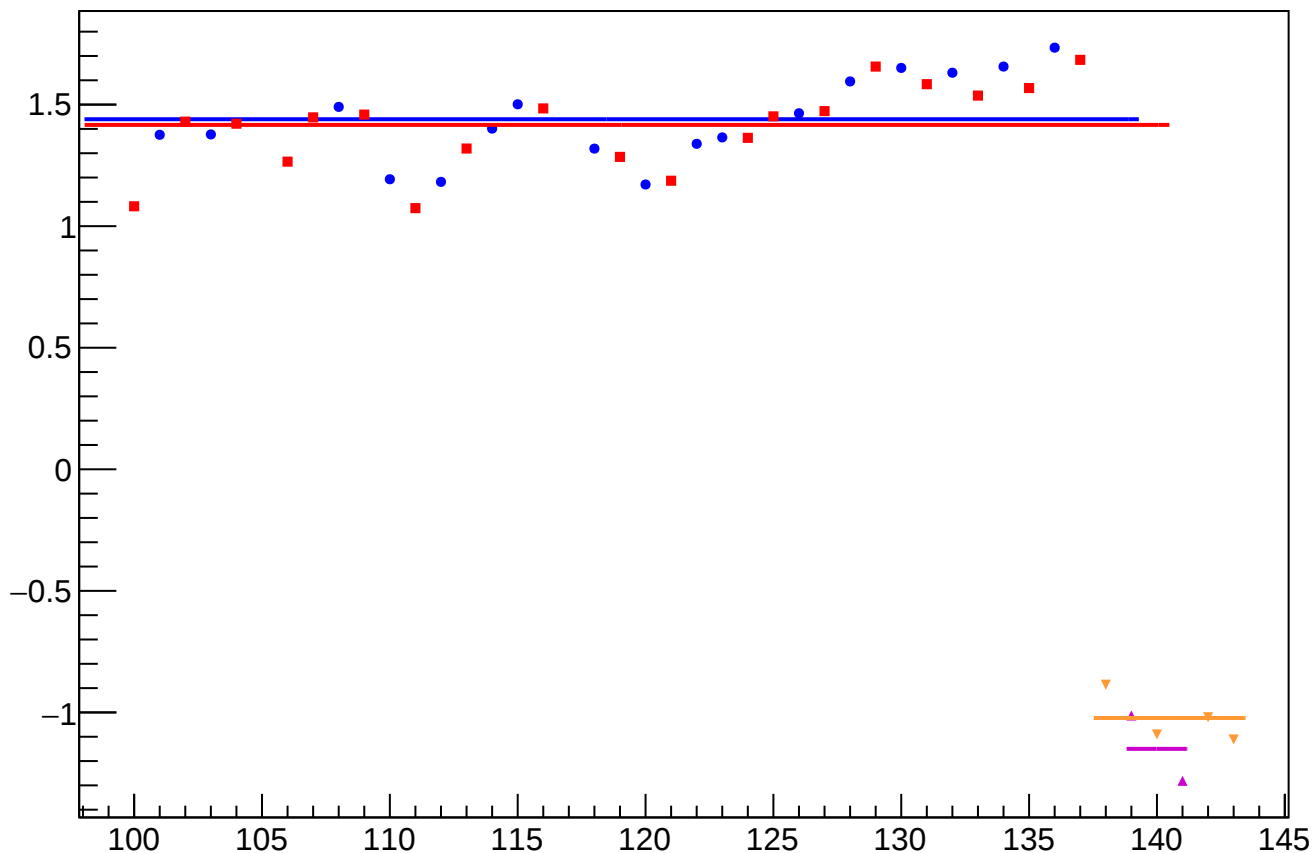
Right: 0.011+/-0.000 χ^2/NDF : 307381.8/35

In: 0.011+/-0.000 χ^2/NDF : 234357.3/18

Out: 0.011+/-0.000 χ^2/NDF : 418275.0/22

All: 0.011+/-0.000 χ^2/NDF : 652722.6/41

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.440+/-0.000 χ^2/NDF : 3439698839.5/16

Left Out: -1.023+/-0.000 χ^2/NDF : 228830966.4/3

Right Out: 1.416+/-0.000 χ^2/NDF : 2670163204.9/18

Left In: -1.150+/-0.000 χ^2/NDF : 246465179.6/1

Left: -1.067+/-0.000 χ^2/NDF : 618307204.0/5

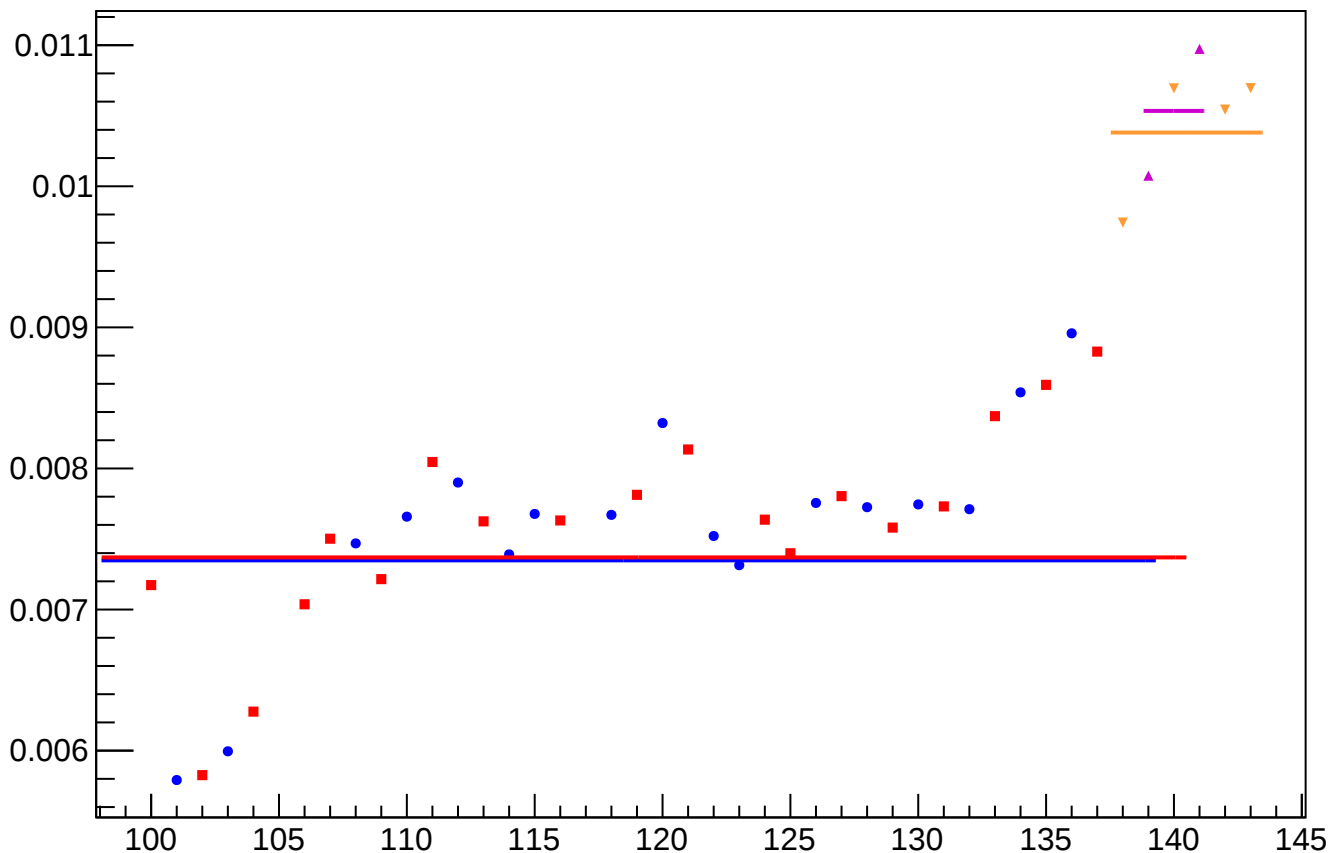
Right: 1.428+/-0.000 χ^2/NDF : 6143895707.9/35

In: 1.178+/-0.000 χ^2/NDF : 86123692196.1/18

Out: 1.017+/-0.000 χ^2/NDF : 128460114488.5/22

All: 1.092+/-0.000 χ^2/NDF : 216454714715.2

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 228667.0/16

Left Out: 0.010+/-0.000 χ^2/NDF : 9169.9/3

Right Out: 0.007+/-0.000 χ^2/NDF : 172418.5/18

Left In: 0.011+/-0.000 χ^2/NDF : 5522.2/1

Left: 0.010+/-0.000 χ^2/NDF : 15109.0/5

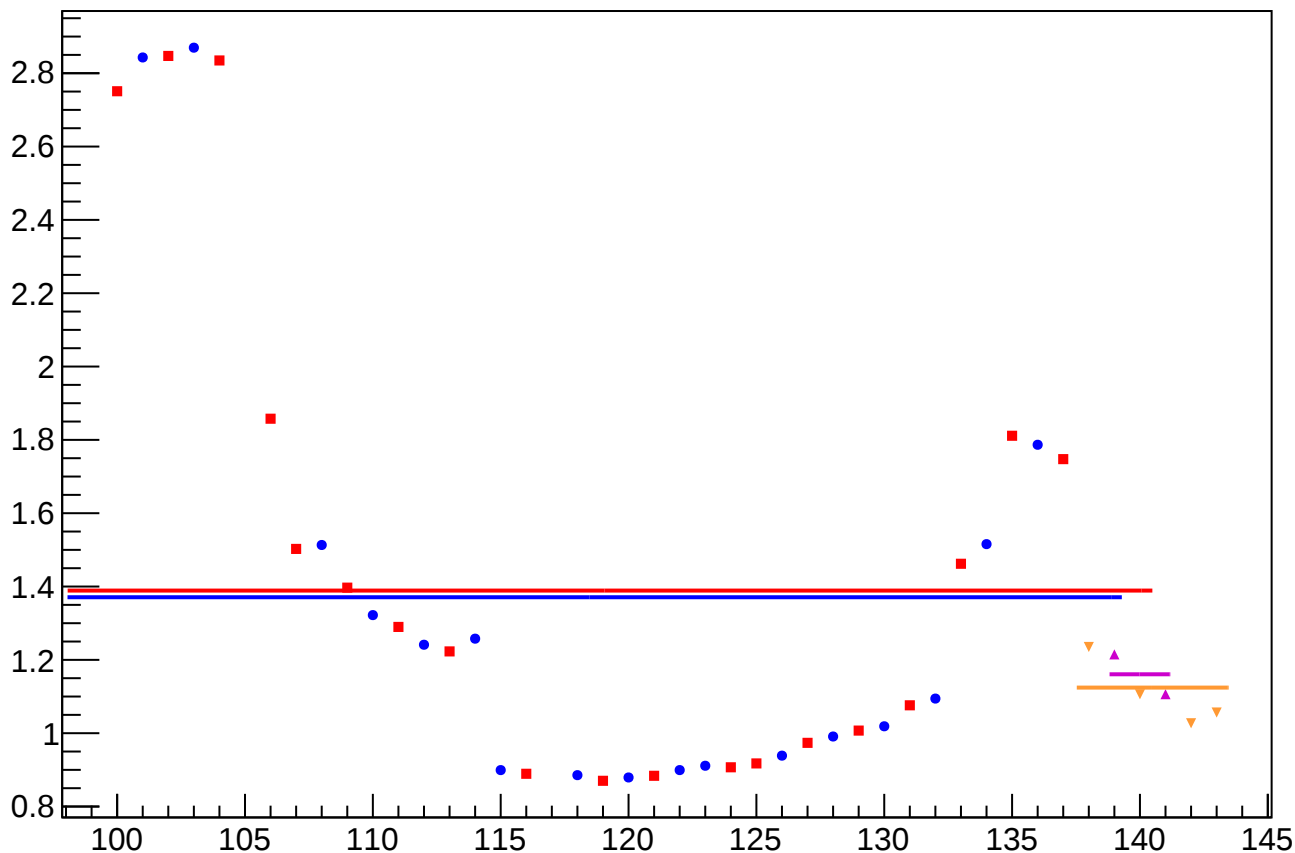
Right: 0.007+/-0.000 χ^2/NDF : 401140.2/35

In: 0.008+/-0.000 χ^2/NDF : 483688.4/18

Out: 0.008+/-0.000 χ^2/NDF : 564315.1/22

All: 0.008+/-0.000 χ^2/NDF : 1053326.6/41

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.371+/-0.000 χ^2/NDF : 54119122912.8/16

Left Out: 1.124+/-0.000 χ^2/NDF : 267299954.4/3

Right Out: 1.389+/-0.000 χ^2/NDF : 49832414351.9/18

Left In: 1.161+/-0.000 χ^2/NDF : 68703609.6/1

Left: 1.138+/-0.000 χ^2/NDF : 355516343.3/5

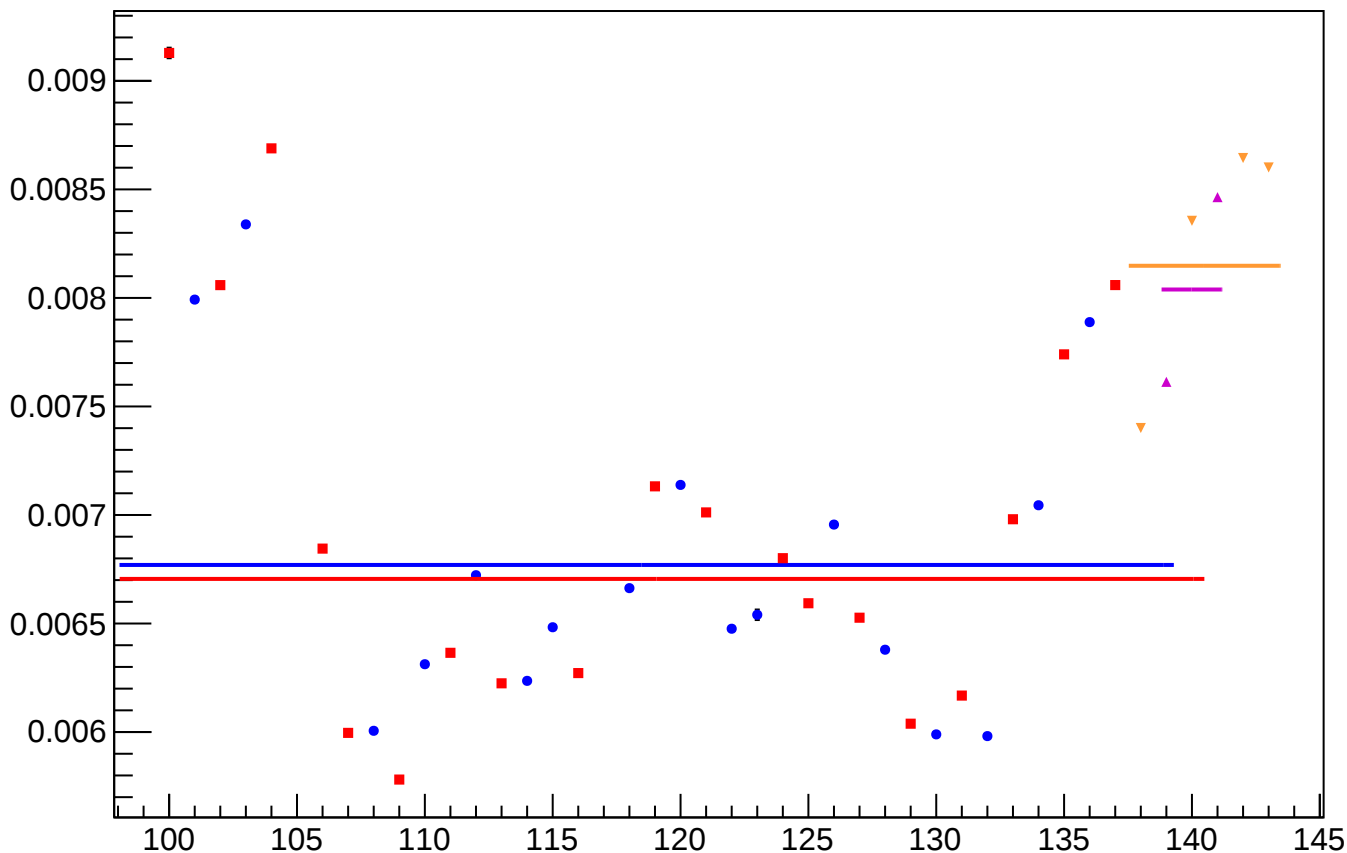
Right: 1.380+/-0.000 χ^2/NDF : 103976218990.2/35

In: 1.341+/-0.000 χ^2/NDF : 55073790399.0/18

Out: 1.334+/-0.000 χ^2/NDF : 52351652187.9/22

All: 1.338+/-0.000 χ^2/NDF : 107430291629.5

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 158743.1/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:22762.1/3

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 189225.3/18

Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:8441.1/1

Left: 0.008 $\pm$ 0.000 χ^2 /NDF: 31557.3/5

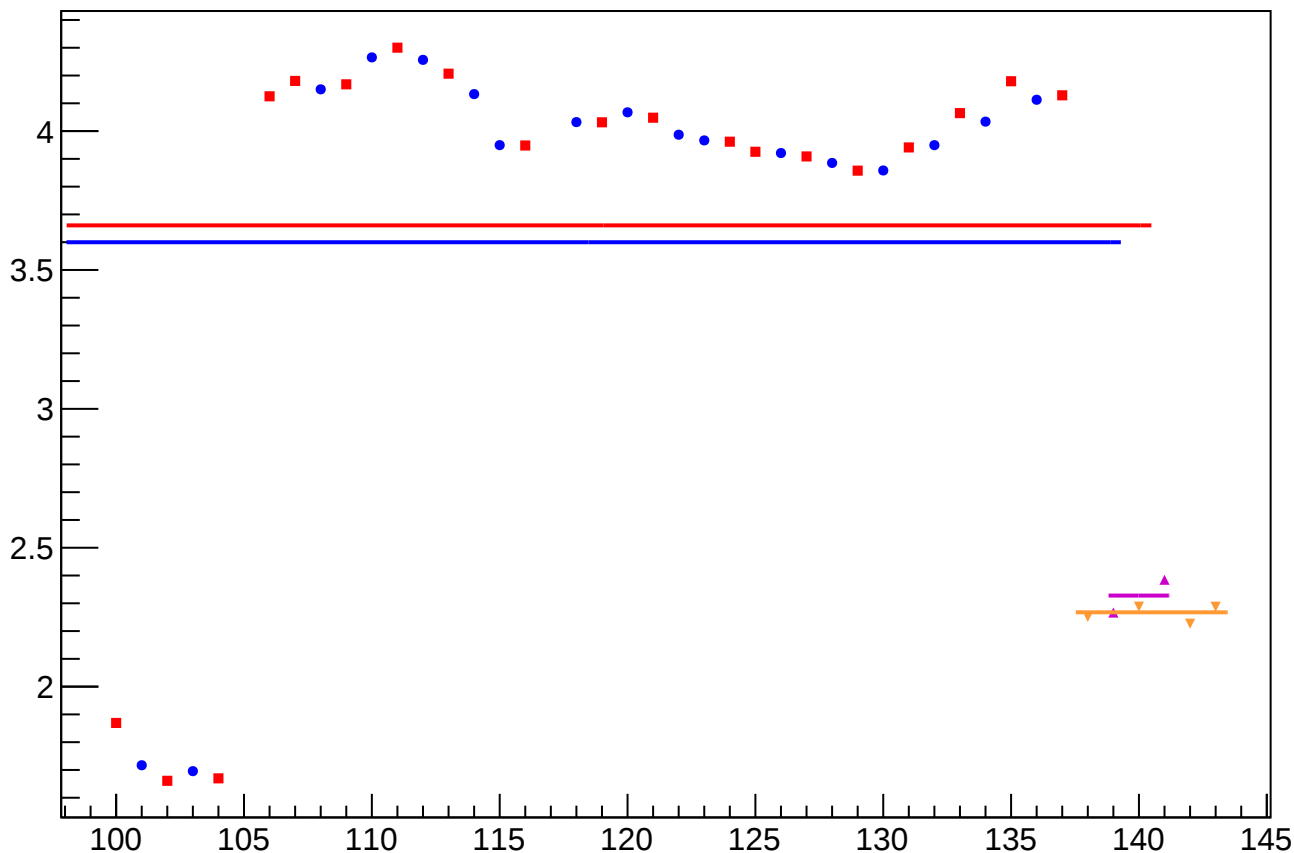
Right: 0.007 $\pm$ 0.000 χ^2 /NDF: 348586.5/35

In: 0.007 $\pm$ 0.000 χ^2 /NDF:231804.9/18

Out: 0.007 $\pm$ 0.000 χ^2 /NDF:345858.6/22

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 578261.1/41

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.600 $\pm$ 0.000 χ^2 /NDF: 185703271625.0/16

Left Out: 2.268 $\pm$ 0.000 χ^2 /NDF: 29409925.9/3

Right Out: 3.661 $\pm$ 0.000 χ^2 /NDF: 192461584002.7/18

Left In: 2.328 $\pm$ 0.000 χ^2 /NDF: 97979886.1/1

Left: 2.289 $\pm$ 0.000 χ^2 /NDF: 193643608.3/5

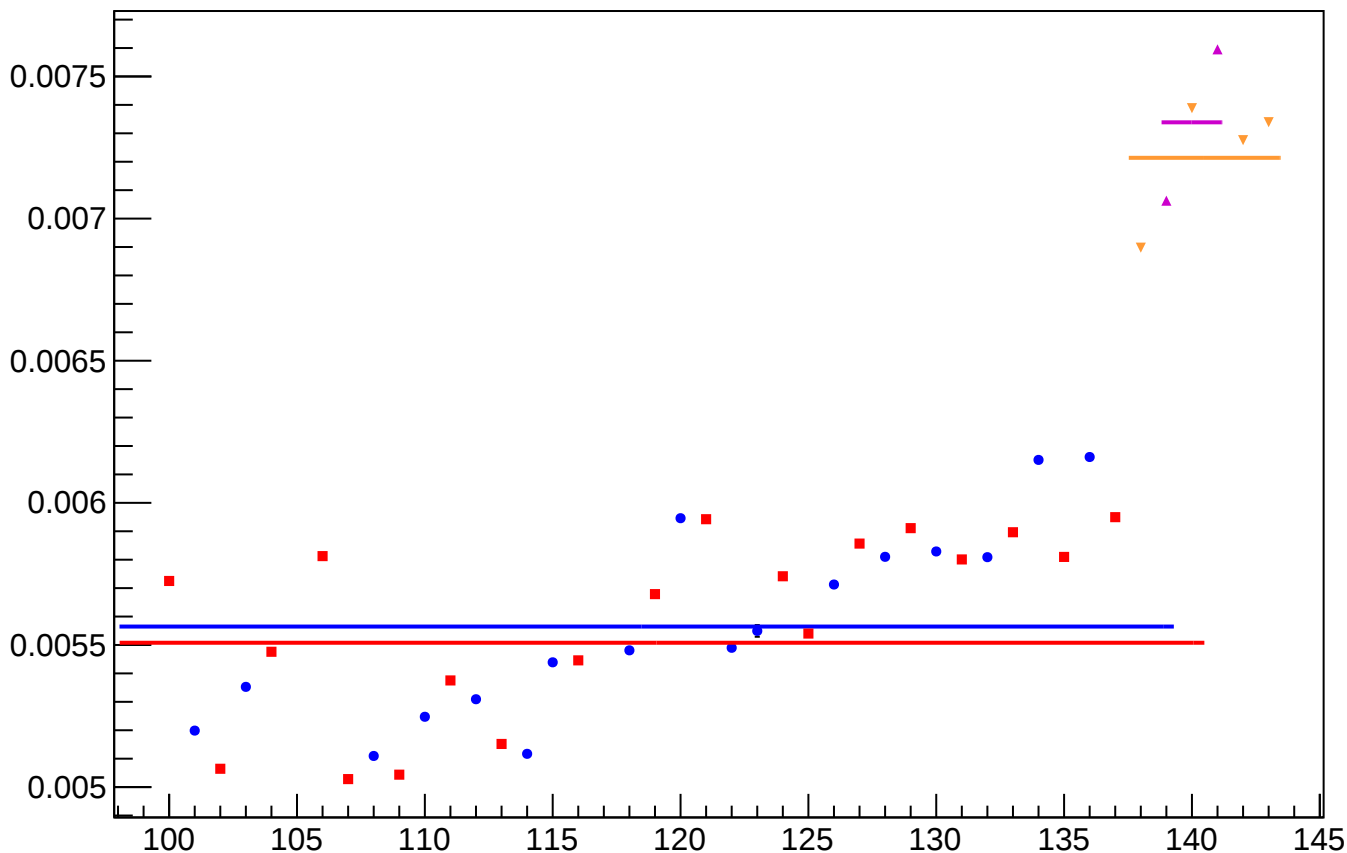
Right: 3.631 $\pm$ 0.000 χ^2 /NDF: 378573403824.4/35

In: 3.453 $\pm$ 0.000 χ^2 /NDF: 226064368120.0/18

Out: 3.403 $\pm$ 0.000 χ^2 /NDF: 274533099612.7/22

All: 3.426 $\pm$ 0.000 χ^2 /NDF: 500921008076.5

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 48084.6/16

Left Out: 0.007+/-0.000 χ^2/NDF :4429.9/3

Right Out: 0.006+/-0.000 χ^2/NDF : 52399.9/18

Left In: 0.007+/-0.000 χ^2/NDF :3983.6/1

Left: 0.007+/-0.000 χ^2/NDF : 8982.5/5

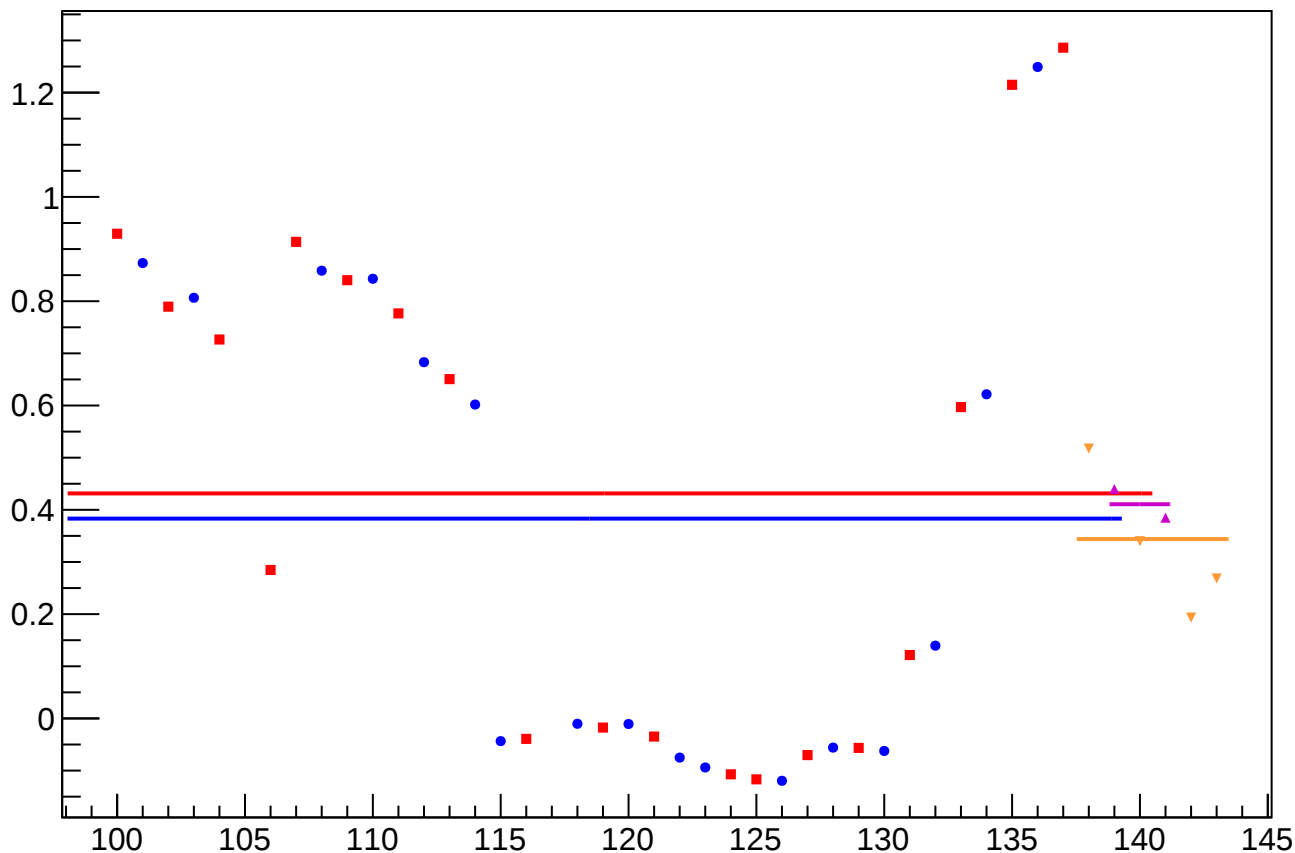
Right: 0.006+/-0.000 χ^2/NDF : 101204.4/35

In: 0.006+/-0.000 χ^2/NDF :208670.4/18

Out: 0.006+/-0.000 χ^2/NDF :302935.0/22

All: 0.006+/-0.000 χ^2/NDF : 512348.6/41

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.383+/-0.000 χ^2/NDF : 7098148199.8/16

Left Out: 0.344+/-0.000 χ^2/NDF : 145313706.3/3

Right Out: 0.431+/-0.000 χ^2/NDF : 6652460982.8/18

Left In: 0.411+/-0.000 χ^2/NDF : 4347115.6/1

Left: 0.367+/-0.000 χ^2/NDF : 166332046.7/5

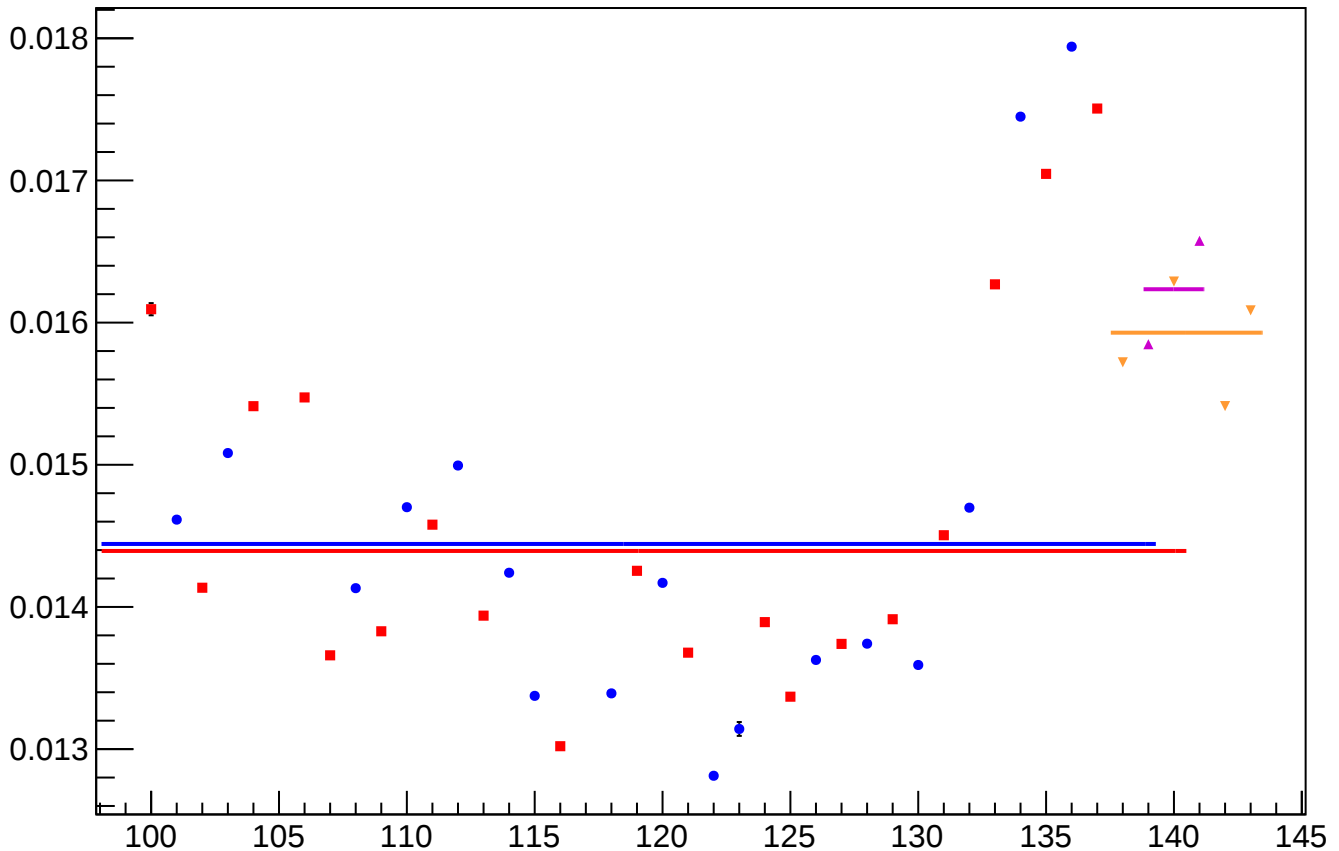
Right: 0.408+/-0.000 χ^2/NDF : 13788539120.9/35

In: 0.387+/-0.000 χ^2/NDF : 7106198182.1/18

Out: 0.410+/-0.000 χ^2/NDF : 6859624028.0/22

All: 0.400+/-0.000 χ^2/NDF : 13976450185.7/4

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 109417.4/16

Left Out: 0.016 $\pm$ 0.000 χ^2/NDF : 2124.3/3

Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 74186.8/18

Left In: 0.016 $\pm$ 0.000 χ^2/NDF : 1516.5/1

Left: 0.016 $\pm$ 0.000 χ^2/NDF : 4338.1/5

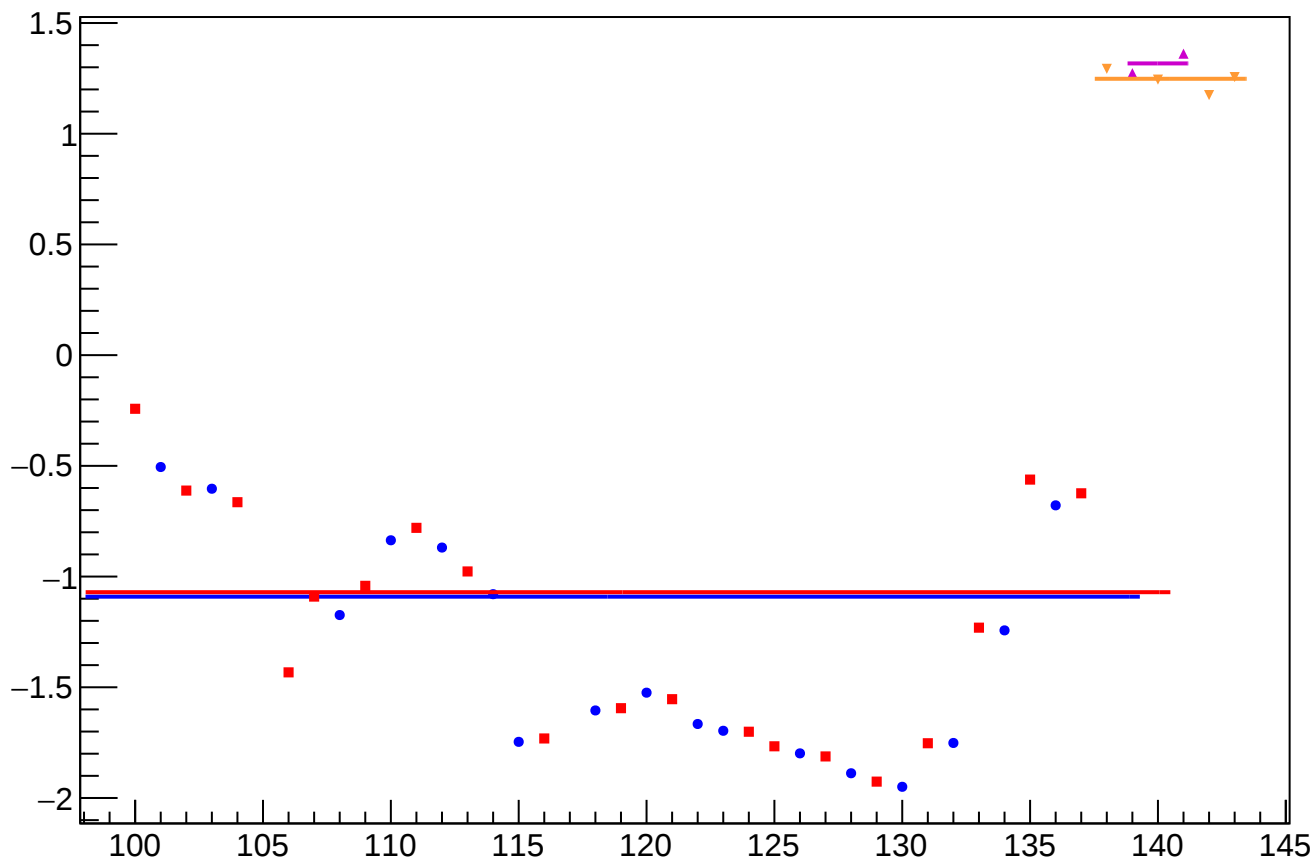
Right: 0.014 $\pm$ 0.000 χ^2/NDF : 183683.0/35

In: 0.015 $\pm$ 0.000 χ^2/NDF : 142193.4/18

Out: 0.015 $\pm$ 0.000 χ^2/NDF : 114356.3/22

All: 0.015 $\pm$ 0.000 χ^2/NDF : 256635.1/41

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.091 ± 0.000 $\chi^2/\text{NDF}: 55542430282.4/16$

Left Out: 1.248 ± 0.000 $\chi^2/\text{NDF}: 266073989.7/3$

Right Out: -1.071 ± 0.000 $\chi^2/\text{NDF}: 46725373904.4/18$

Left In: 1.317 ± 0.000 $\chi^2/\text{NDF}: 151053259.5/1$

Left: 1.270 ± 0.000 $\chi^2/\text{NDF}: 677265149.3/5$

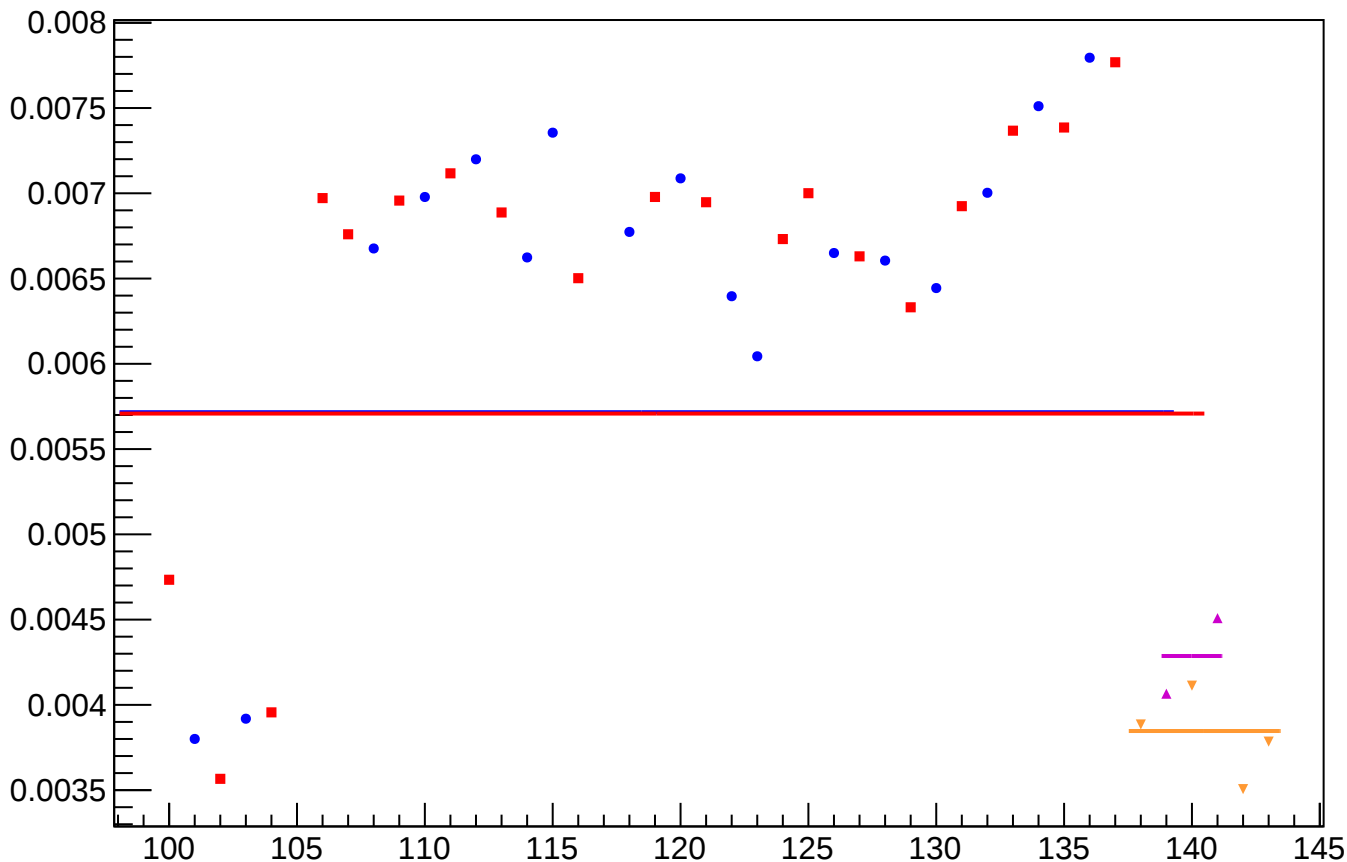
Right: -1.080 ± 0.000 $\chi^2/\text{NDF}: 102305472219.1/35$

In: -0.363 ± 0.000 $\chi^2/\text{NDF}: 372750225214.5/18$

Out: 0.043 ± 0.000 $\chi^2/\text{NDF}: 533754115644.0/22$

All: -0.126 ± 0.000 $\chi^2/\text{NDF}: 931473644225.6$

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 837929.9/16

Left Out: 0.004+/-0.000 χ^2/NDF :14210.6/3

Right Out: 0.006+/-0.000 χ^2/NDF : 921337.6/18

Left In: 0.004+/-0.000 χ^2/NDF :7690.0/1

Left: 0.004+/-0.000 χ^2/NDF : 42811.6/5

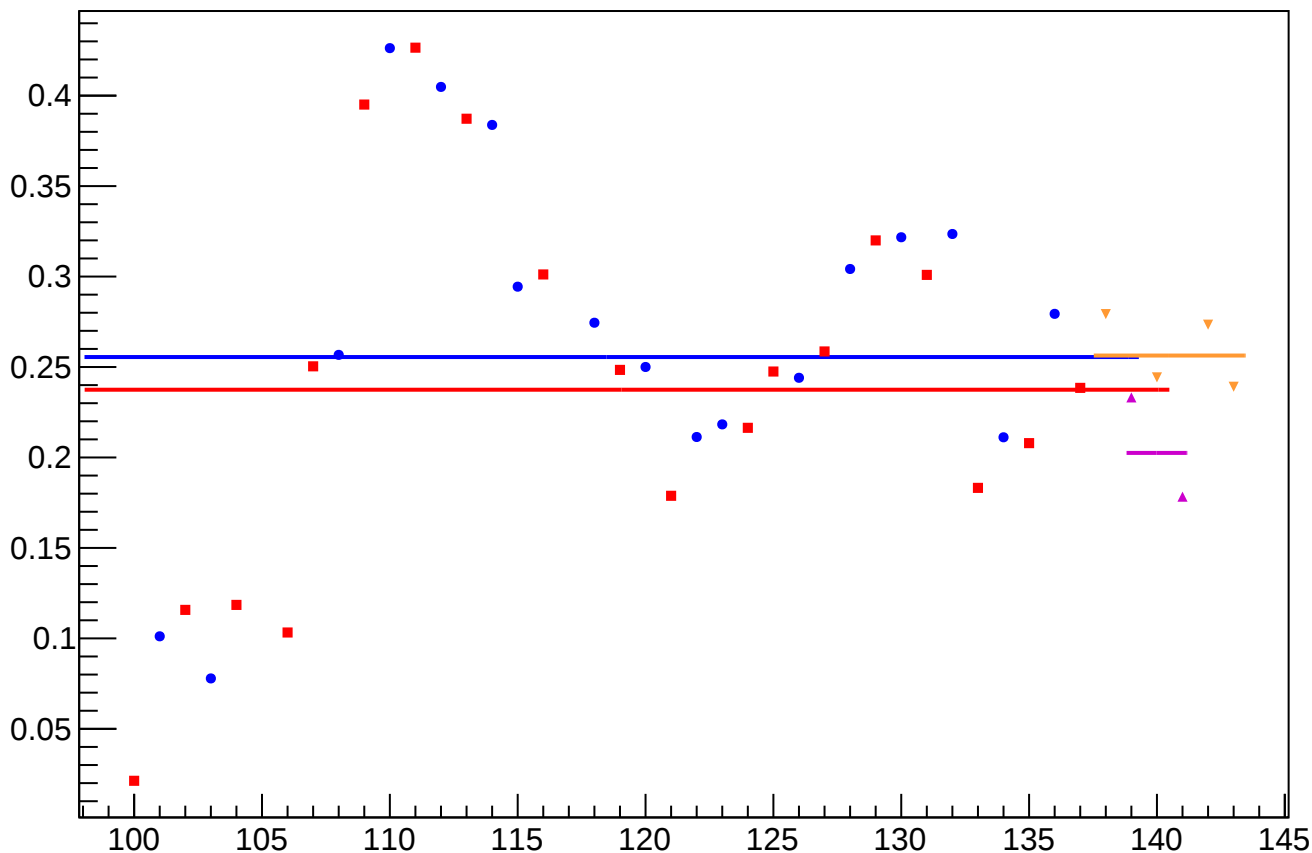
Right: 0.006+/-0.000 χ^2/NDF : 1759279.4/35

In: 0.005+/-0.000 χ^2/NDF :1069087.6/18

Out: 0.005+/-0.000 χ^2/NDF :1563020.8/22

All: 0.005+/-0.000 χ^2/NDF : 2698976.9/41

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.256+/-0.000 χ^2/NDF : 21303879000.5/16

Left Out: 0.256+/-0.000 χ^2/NDF : 317657232.3/3

Right Out: 0.237+/-0.000 χ^2/NDF : 26048163947.8/18

Left In: 0.203+/-0.000 χ^2/NDF : 404654192.8/1

Left: 0.238+/-0.000 χ^2/NDF : 1750525250.5/5

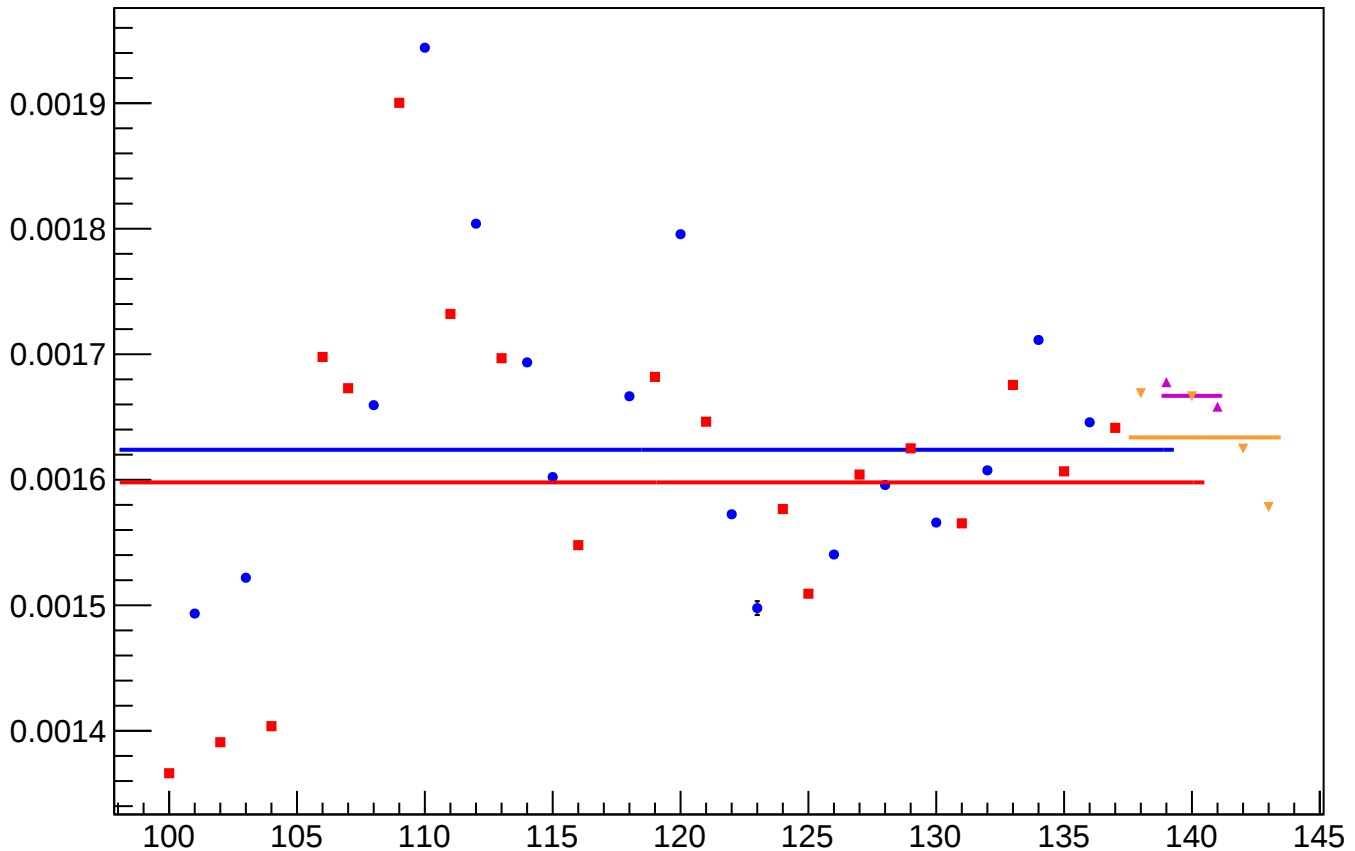
Right: 0.246+/-0.000 χ^2/NDF : 47770756724.0/35

In: 0.246+/-0.000 χ^2/NDF : 22959707189.1/18

Out: 0.243+/-0.000 χ^2/NDF : 26629775374.4/22

All: 0.244+/-0.000 χ^2/NDF : 49606635438.2/4

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 52349.3/16

Left Out: 0.002+/-0.000 χ^2/NDF :3183.6/3

Right Out: 0.002+/-0.000 χ^2/NDF : 90592.9/18

Left In: 0.002+/-0.000 χ^2/NDF :102.5/1

Left: 0.002+/-0.000 χ^2/NDF : 4065.2/5

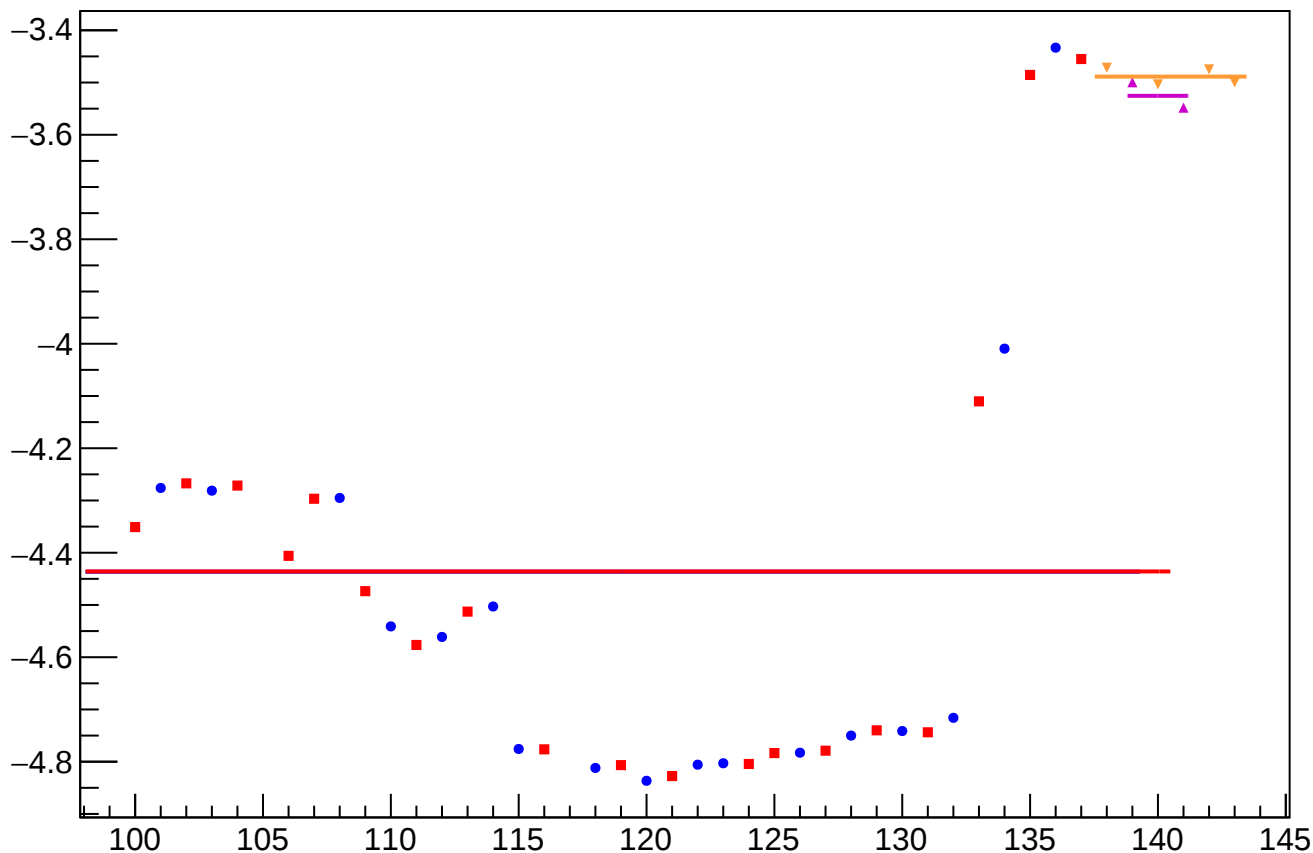
Right: 0.002+/-0.000 χ^2/NDF : 144677.8/35

In: 0.002+/-0.000 χ^2/NDF :54096.4/18

Out: 0.002+/-0.000 χ^2/NDF :95676.2/22

All: 0.002+/-0.000 χ^2/NDF : 151697.3/41

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.436+/-0.000 χ^2/NDF : 392479534987.2/16

Left Out: -3.489+/-0.000 χ^2/NDF : 161312676.4/3

Right Out: -4.436+/-0.000 χ^2/NDF : 324942318404.0/18

Left In: -3.525+/-0.000 χ^2/NDF : 267491662.8/1

Left: -3.502+/-0.000 χ^2/NDF : 814064940.9/5

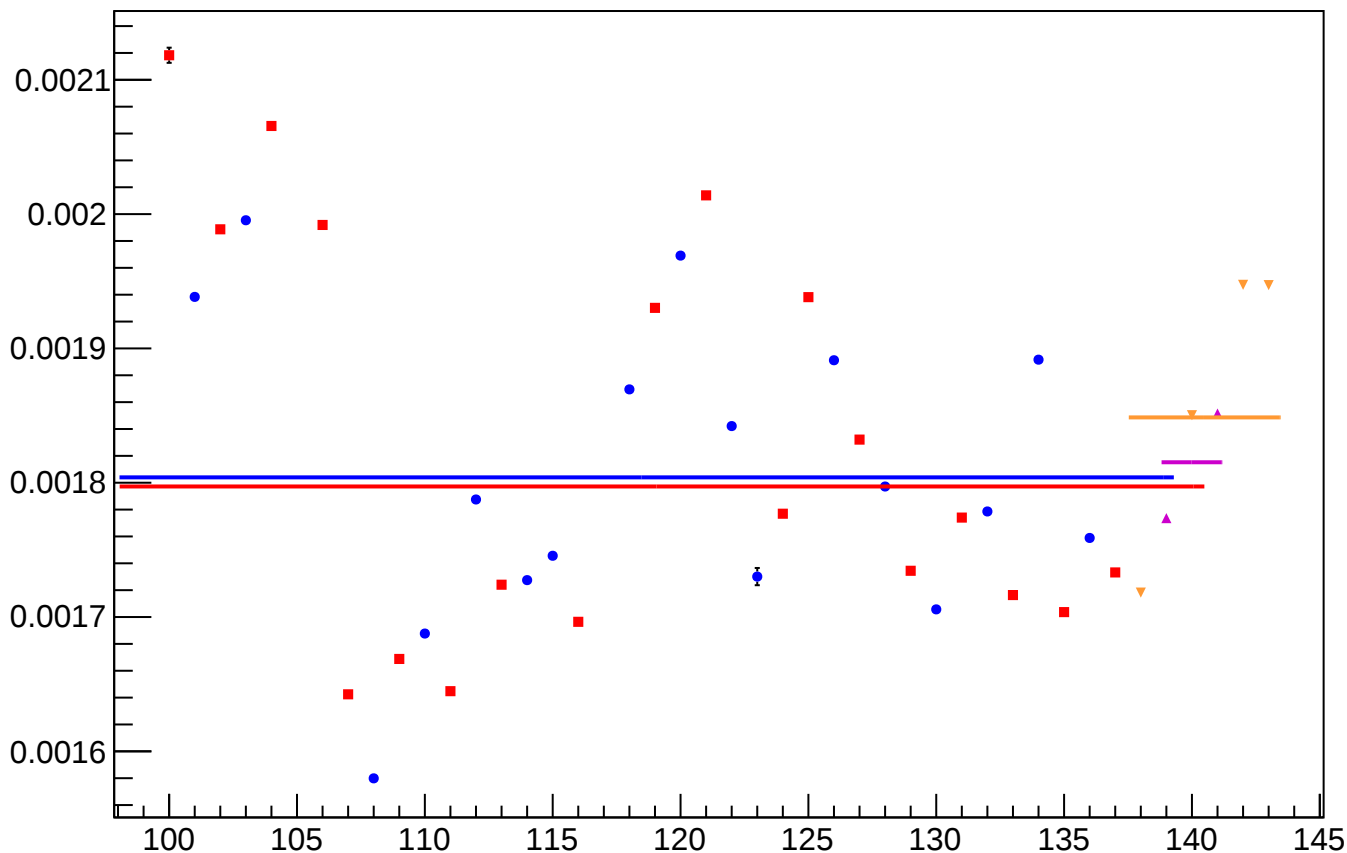
Right: -4.436+/-0.000 χ^2/NDF : 717422111284.2/35

In: -4.267+/-0.000 χ^2/NDF : 699731384027.6/18

Out: -4.185+/-0.000 χ^2/NDF : 828883666575.7/22

All: -4.223+/-0.000 χ^2/NDF : 1537532007321

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 48060.2/16

Left Out: 0.002+/-0.000 χ^2/NDF :13885.5/3

Right Out: 0.002+/-0.000 χ^2/NDF : 80681.9/18

Left In: 0.002+/-0.000 χ^2/NDF :1371.4/1

Left: 0.002+/-0.000 χ^2/NDF : 15892.3/5

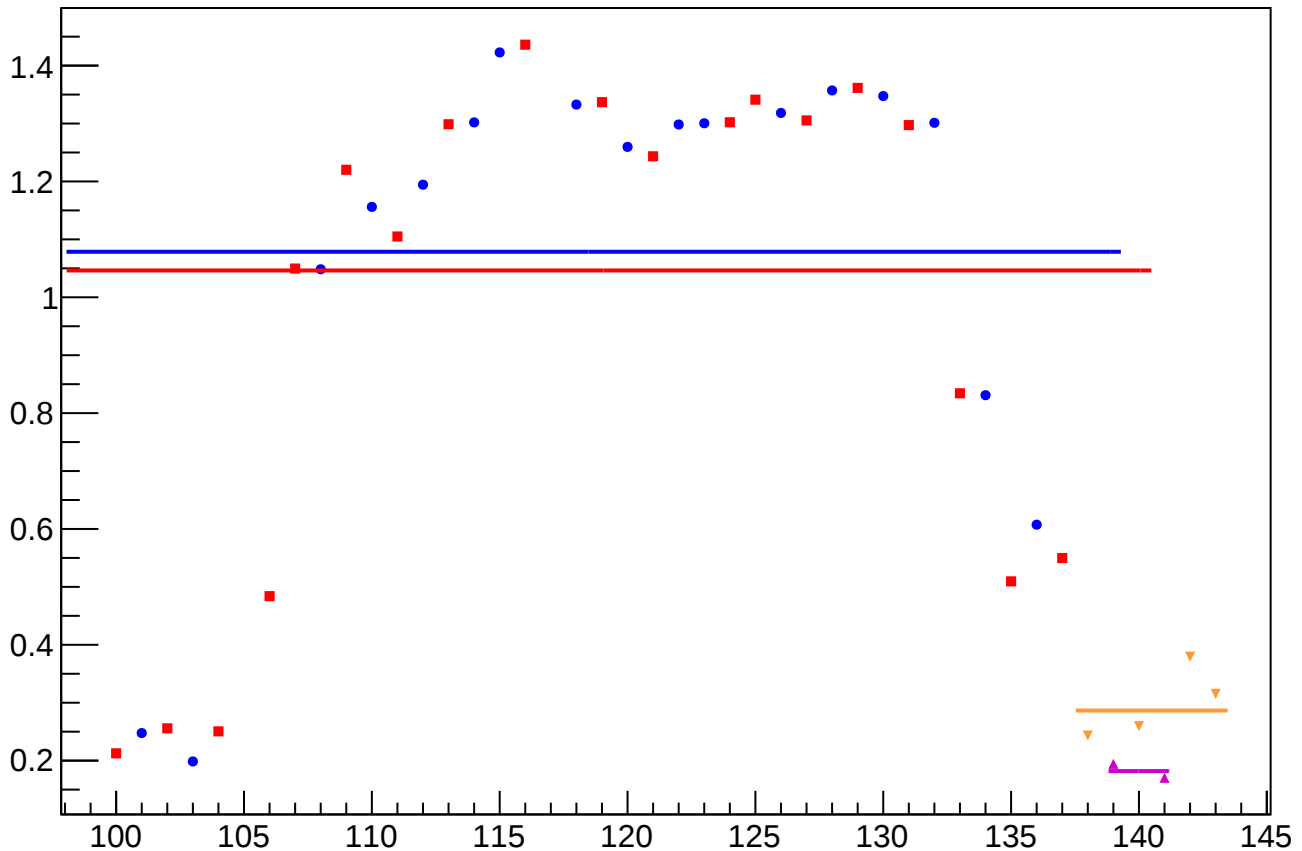
Right: 0.002+/-0.000 χ^2/NDF : 128836.7/35

In: 0.002+/-0.000 χ^2/NDF :49525.1/18

Out: 0.002+/-0.000 χ^2/NDF :97537.0/22

All: 0.002+/-0.000 χ^2/NDF : 147121.5/41

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 1.079 $\pm$ 0.000 χ^2/NDF : 17504335724.9/16

Left Out: 0.287 $\pm$ 0.000 χ^2/NDF : 60752509.7/3

Right Out: 1.046 $\pm$ 0.000 χ^2/NDF : 19655971884.7/18

Left In: 0.182 $\pm$ 0.000 χ^2/NDF : 2244368.1/1

Left: 0.248 $\pm$ 0.000 χ^2/NDF : 170437992.2/5

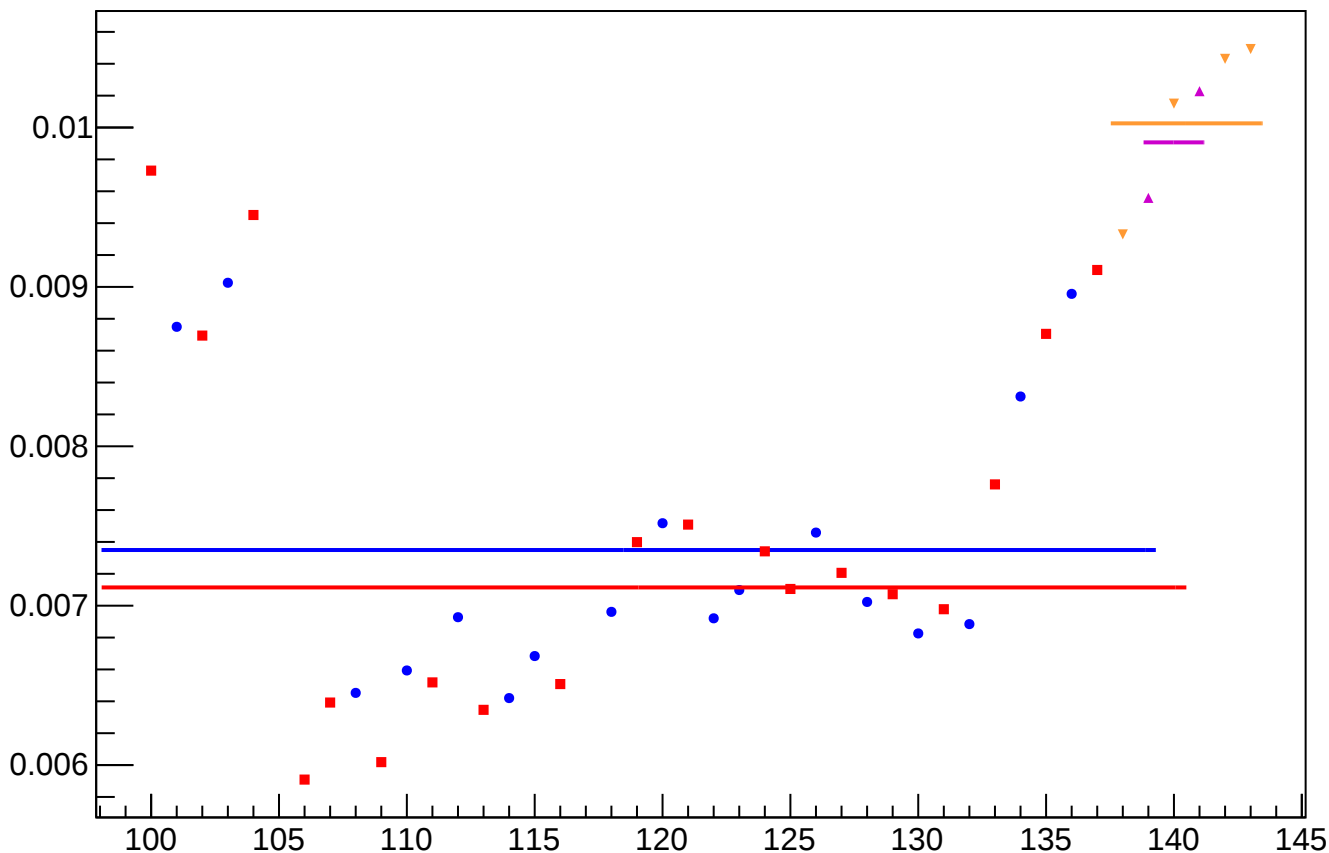
Right: 1.062 $\pm$ 0.000 χ^2/NDF : 37227658553.8/35

In: 0.978 $\pm$ 0.000 χ^2/NDF : 28542444247.7/18

Out: 0.922 $\pm$ 0.000 χ^2/NDF : 32694278759.2/22

All: 0.947 $\pm$ 0.000 χ^2/NDF : 61468352619.6/4

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 180865.9/16

Left Out: 0.010+/-0.000 χ^2/NDF :12622.8/3

Right Out: 0.007+/-0.000 χ^2/NDF : 259361.2/18

Left In: 0.010+/-0.000 χ^2/NDF :3459.2/1

Left: 0.010+/-0.000 χ^2/NDF : 16361.6/5

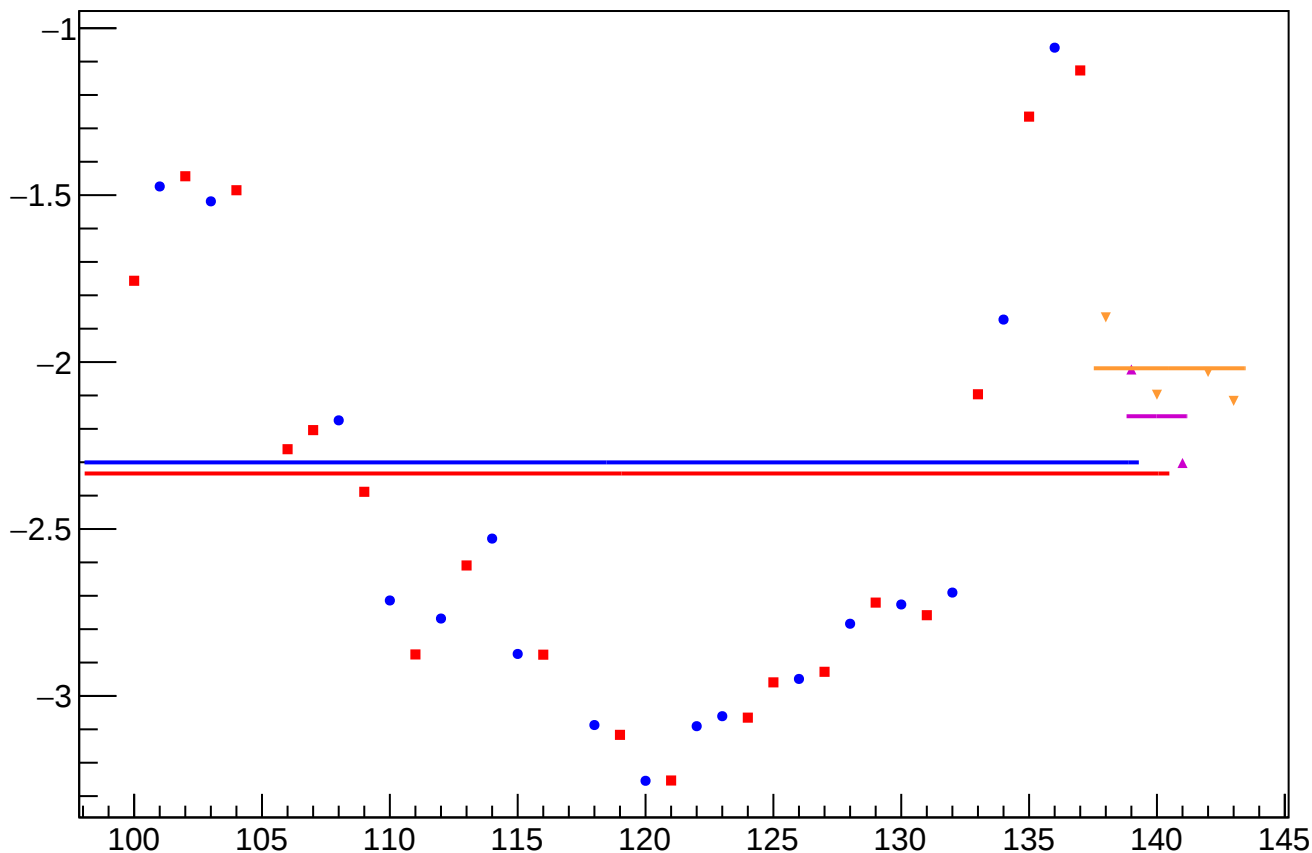
Right: 0.007+/-0.000 χ^2/NDF : 447348.1/35

In: 0.008+/-0.000 χ^2/NDF :363888.8/18

Out: 0.008+/-0.000 χ^2/NDF :653174.0/22

All: 0.008+/-0.000 χ^2/NDF : 1017384.0/41

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.300+/-0.000 χ^2/NDF : 73601400403.2/16

Left Out: -2.019+/-0.000 χ^2/NDF : 383334293.9/3

Right Out: -2.334+/-0.000 χ^2/NDF : 64343197509.4/18

Left In: -2.162+/-0.000 χ^2/NDF : 355521075.9/1

Left: -2.070+/-0.000 χ^2/NDF : 980104708.8/5

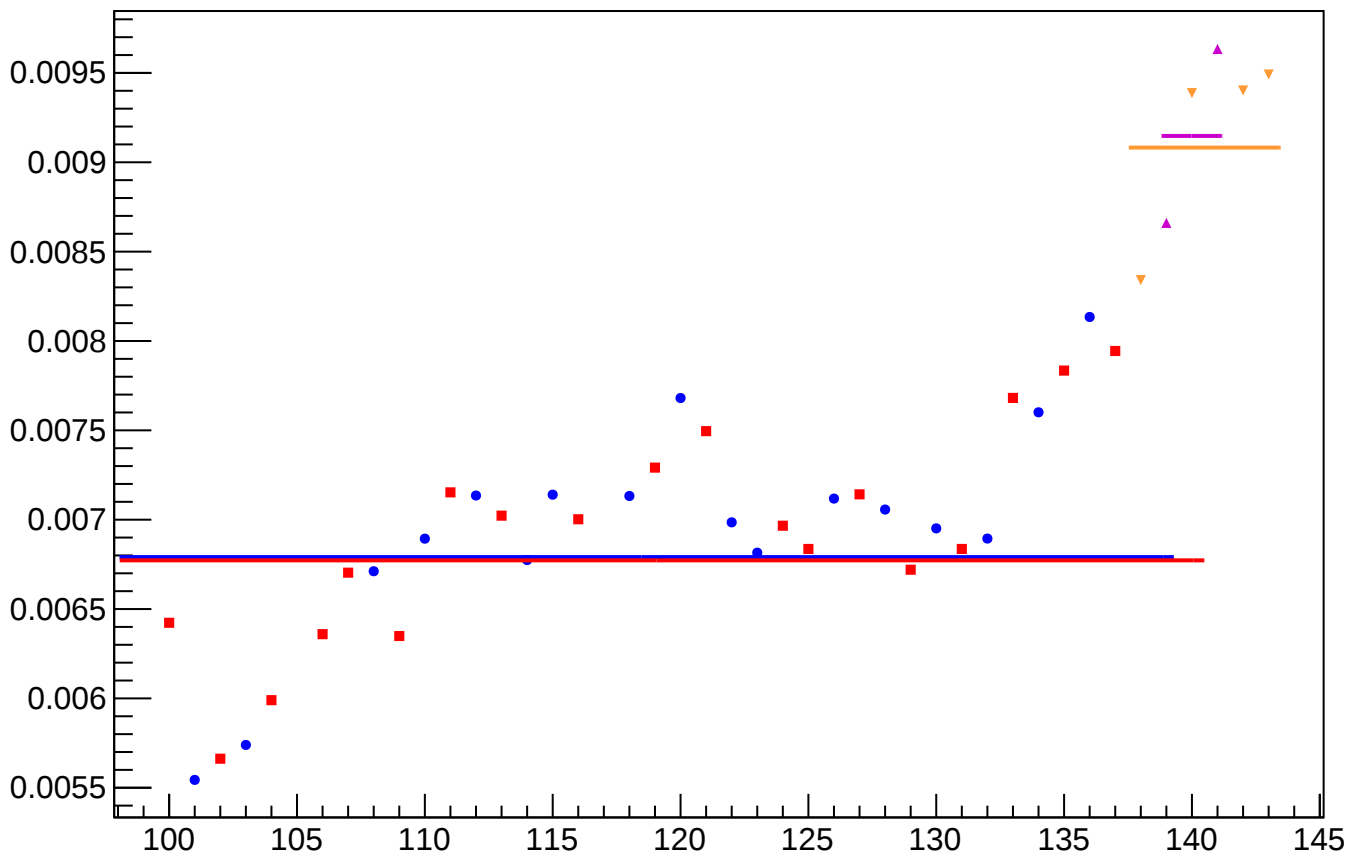
Right: -2.318+/-0.000 χ^2/NDF : 138026475465.9/35

In: -2.285+/-0.000 χ^2/NDF : 74264417442.7/18

Out: -2.278+/-0.000 χ^2/NDF : 67419828603.6/22

All: -2.281+/-0.000 χ^2/NDF : 141688467675.2

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 165798.3/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:17098.0/3

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 123254.7/18

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:8580.1/1

Left: 0.009 $\pm$ 0.000 χ^2 /NDF: 25777.6/5

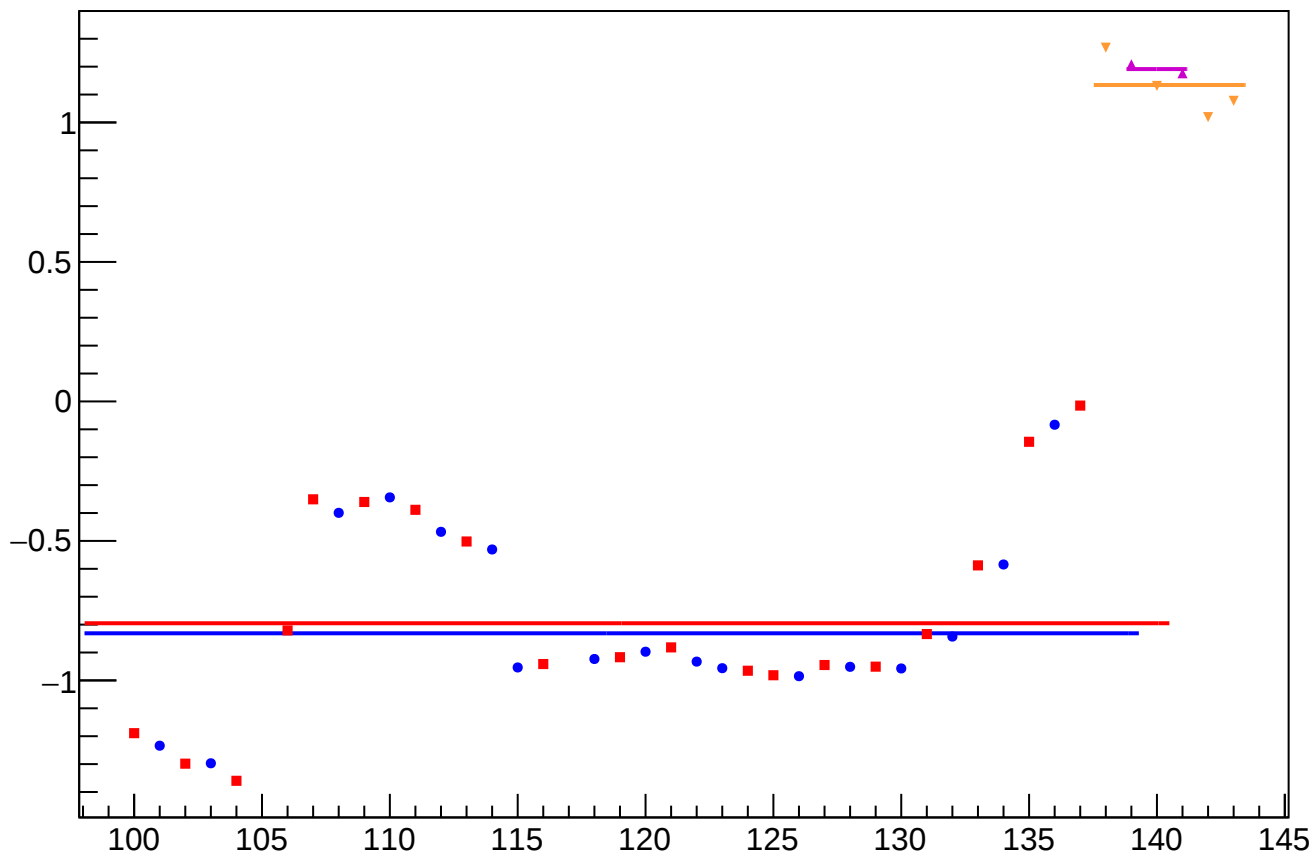
Right: 0.007 $\pm$ 0.000 χ^2 /NDF: 289102.2/35

In: 0.007 $\pm$ 0.000 χ^2 /NDF:353152.9/18

Out: 0.007 $\pm$ 0.000 χ^2 /NDF:429797.6/22

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 785693.5/41

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831 ± 0.000 χ^2/NDF : 6684927415.2/16

Left Out: 1.134 ± 0.000 χ^2/NDF : 139994777.0/3

Right Out: -0.795 ± 0.000 χ^2/NDF : 7817248130.7/18

Left In: 1.191 ± 0.000 χ^2/NDF : 2405693.8/1

Left: 1.154 ± 0.000 χ^2/NDF : 162255498.7/5

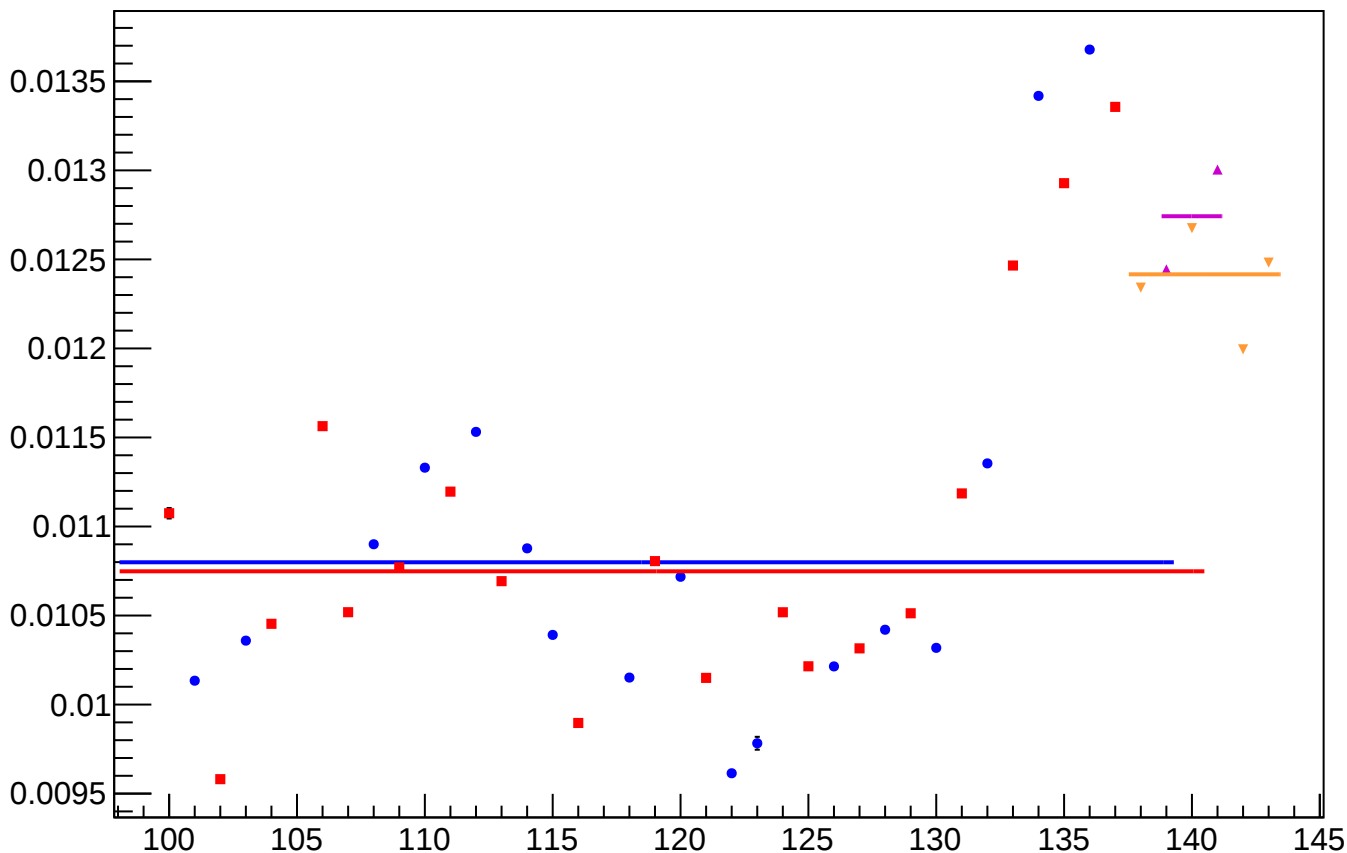
Right: -0.813 ± 0.000 χ^2/NDF : 14539681637.1/35

In: -0.543 ± 0.000 χ^2/NDF : 39441800680.2/18

Out: -0.356 ± 0.000 χ^2/NDF : 58358485195.4/22

All: -0.442 ± 0.000 χ^2/NDF : 99033294392.7/1

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011 $\pm$ 0.000 χ^2/NDF : 124812.3/16

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF : 1802.3/3

Right Out: 0.011 $\pm$ 0.000 χ^2/NDF : 89612.1/18

Left In: 0.013 $\pm$ 0.000 χ^2/NDF : 1461.0/1

Left: 0.013 $\pm$ 0.000 χ^2/NDF : 4560.2/5

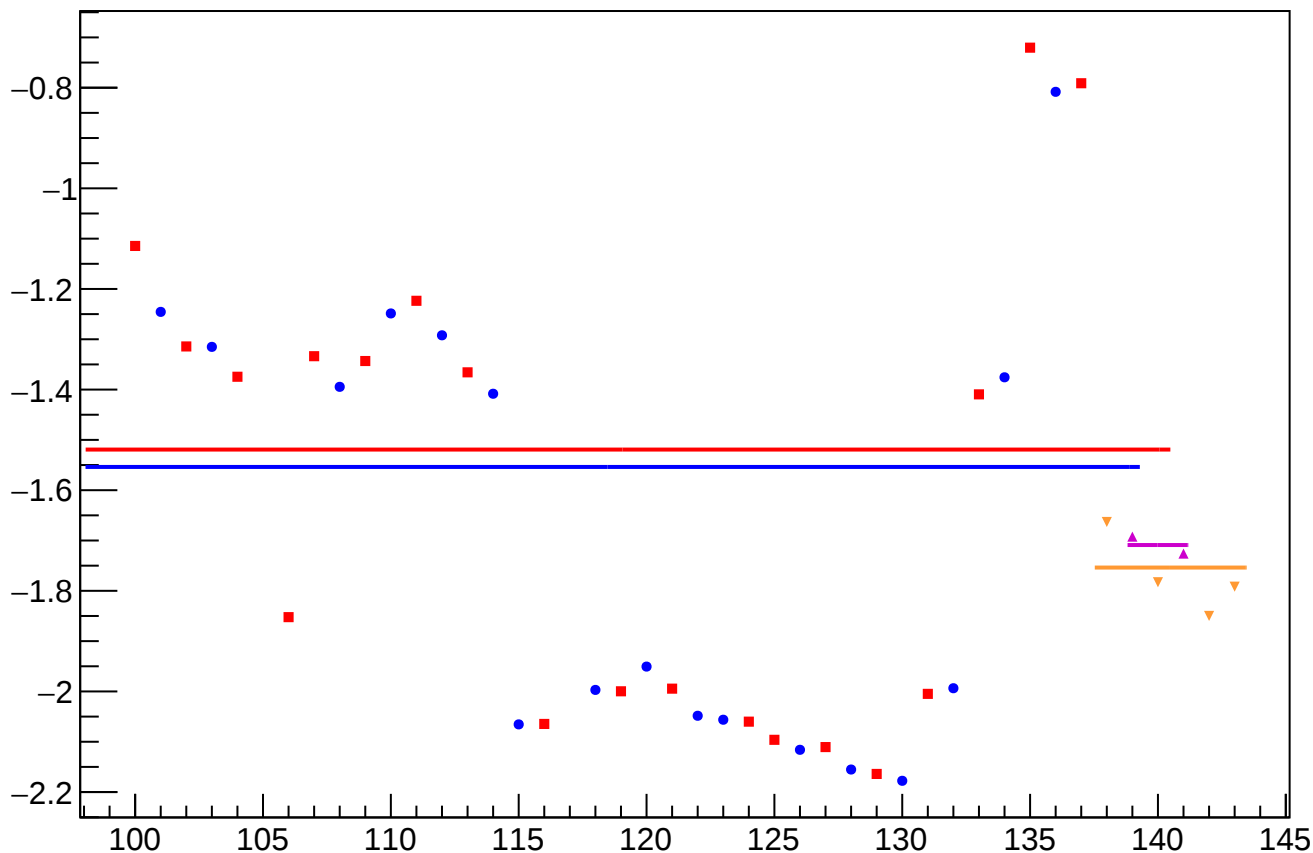
Right: 0.011 $\pm$ 0.000 χ^2/NDF : 214573.0/35

In: 0.011 $\pm$ 0.000 χ^2/NDF : 186755.0/18

Out: 0.011 $\pm$ 0.000 χ^2/NDF : 166739.9/22

All: 0.011 $\pm$ 0.000 χ^2/NDF : 353683.9/41

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.554+/-0.000 χ^2/NDF : 153751208532.9/16

Left Out: -1.754+/-0.000 χ^2/NDF : 1413404398.7/3

Right Out: -1.519+/-0.000 χ^2/NDF : 138061021403.9/18

Left In: -1.709+/-0.000 χ^2/NDF : 49450352.9/1

Left: -1.738+/-0.000 χ^2/NDF : 1686315357.8/5

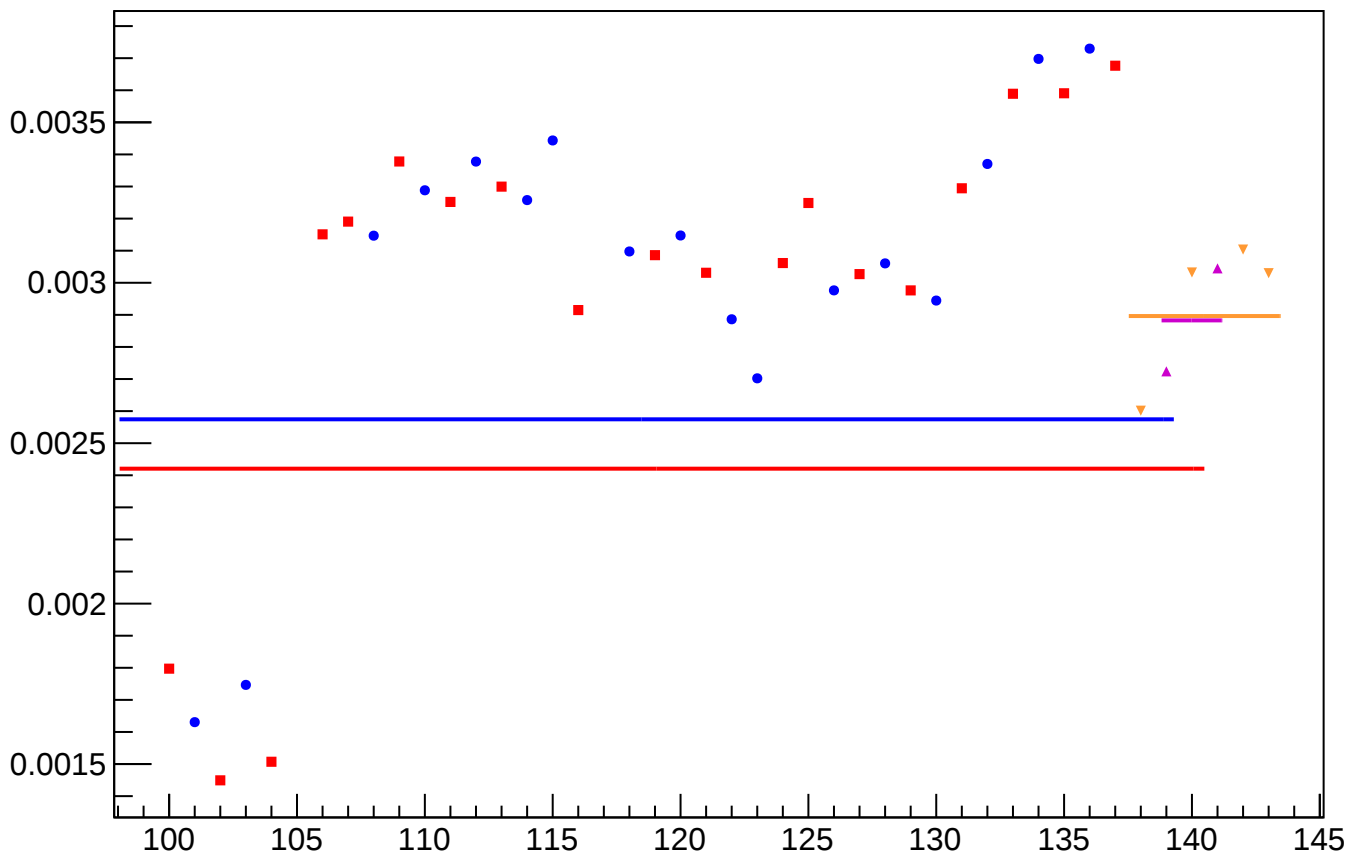
Right: -1.535+/-0.000 χ^2/NDF : 292351096405.8/35

In: -1.580+/-0.000 χ^2/NDF : 157281181391.3/18

Out: -1.576+/-0.000 χ^2/NDF : 152367926070.1/22

All: -1.578+/-0.000 χ^2/NDF : 309657883870.3

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF : 1013543.2/16

Left Out: 0.003+/-0.000 χ^2/NDF :27541.5/3

Right Out: 0.002+/-0.000 χ^2/NDF : 1484766.5/18

Left In: 0.003+/-0.000 χ^2/NDF :8965.7/1

Left: 0.003+/-0.000 χ^2/NDF : 36548.0/5

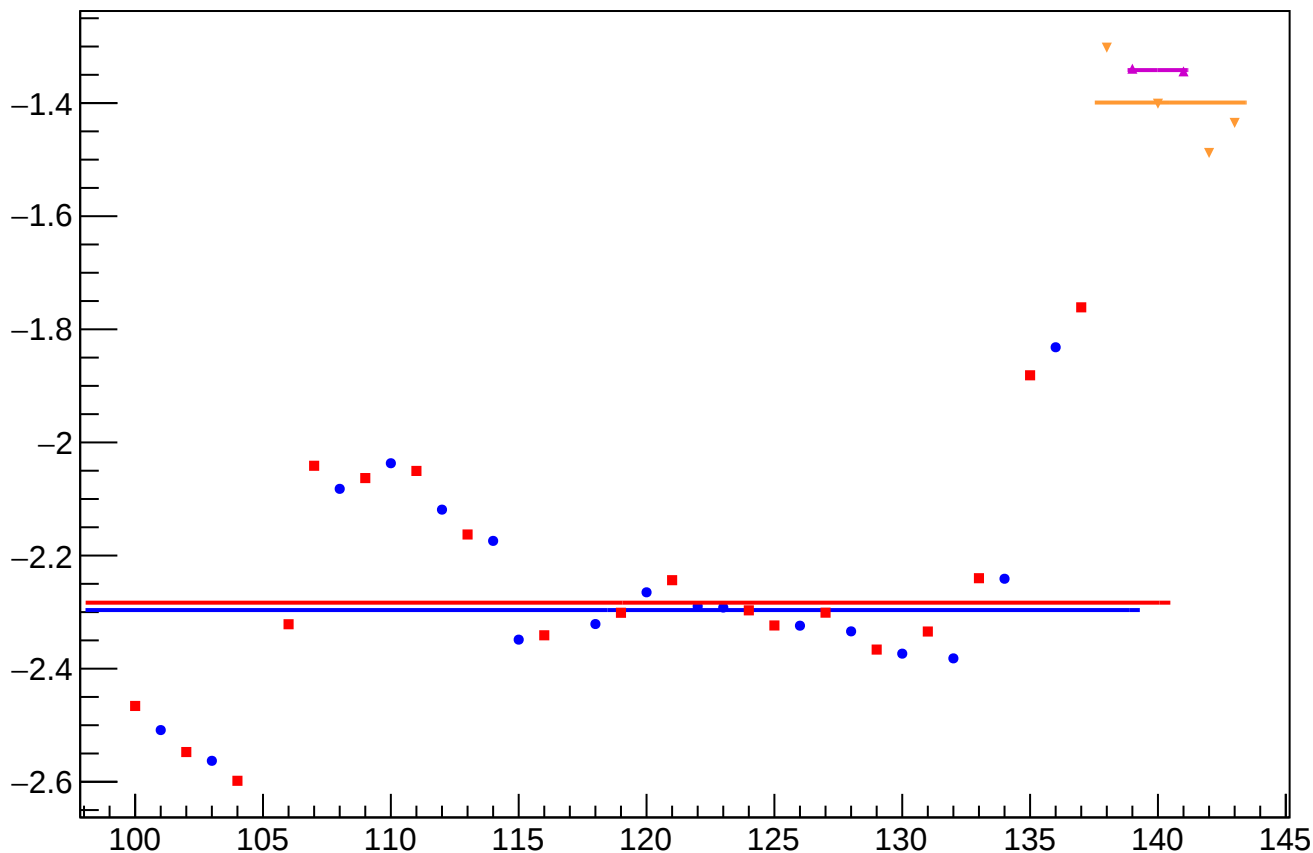
Right: 0.002+/-0.000 χ^2/NDF : 2519697.5/35

In: 0.003+/-0.000 χ^2/NDF :1049980.6/18

Out: 0.003+/-0.000 χ^2/NDF :1618400.6/22

All: 0.003+/-0.000 χ^2/NDF : 2677716.2/41

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -2.296+/-0.000 χ^2/NDF : 5781445779.2/16

Left Out: -1.399+/-0.000 χ^2/NDF : 154862166.4/3

Right Out: -2.283+/-0.000 χ^2/NDF : 6547805693.1/18

Left In: -1.342+/-0.000 χ^2/NDF : 105641.6/1

Left: -1.379+/-0.000 χ^2/NDF : 196529384.1/5

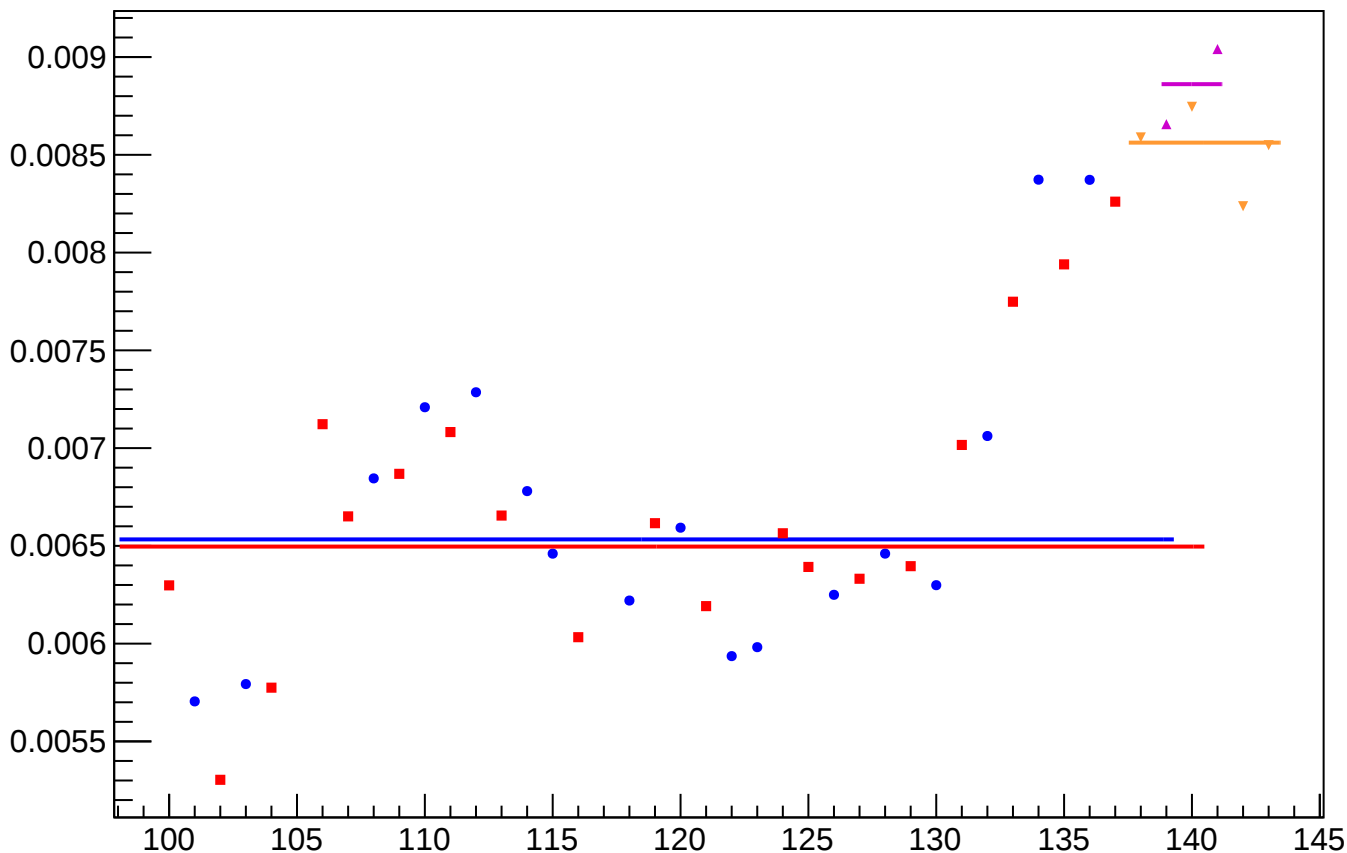
Right: -2.290+/-0.000 χ^2/NDF : 12342526597.5/35

In: -2.188+/-0.000 χ^2/NDF : 21339627816.1/18

Out: -2.118+/-0.000 χ^2/NDF : 30070606636.5/22

All: -2.151+/-0.000 χ^2/NDF : 51858101101.3/39

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 175590.1/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:2019.4/3

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 163206.3/18

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1414.2/1

Left: 0.009 $\pm$ 0.000 χ^2 /NDF: 5692.6/5

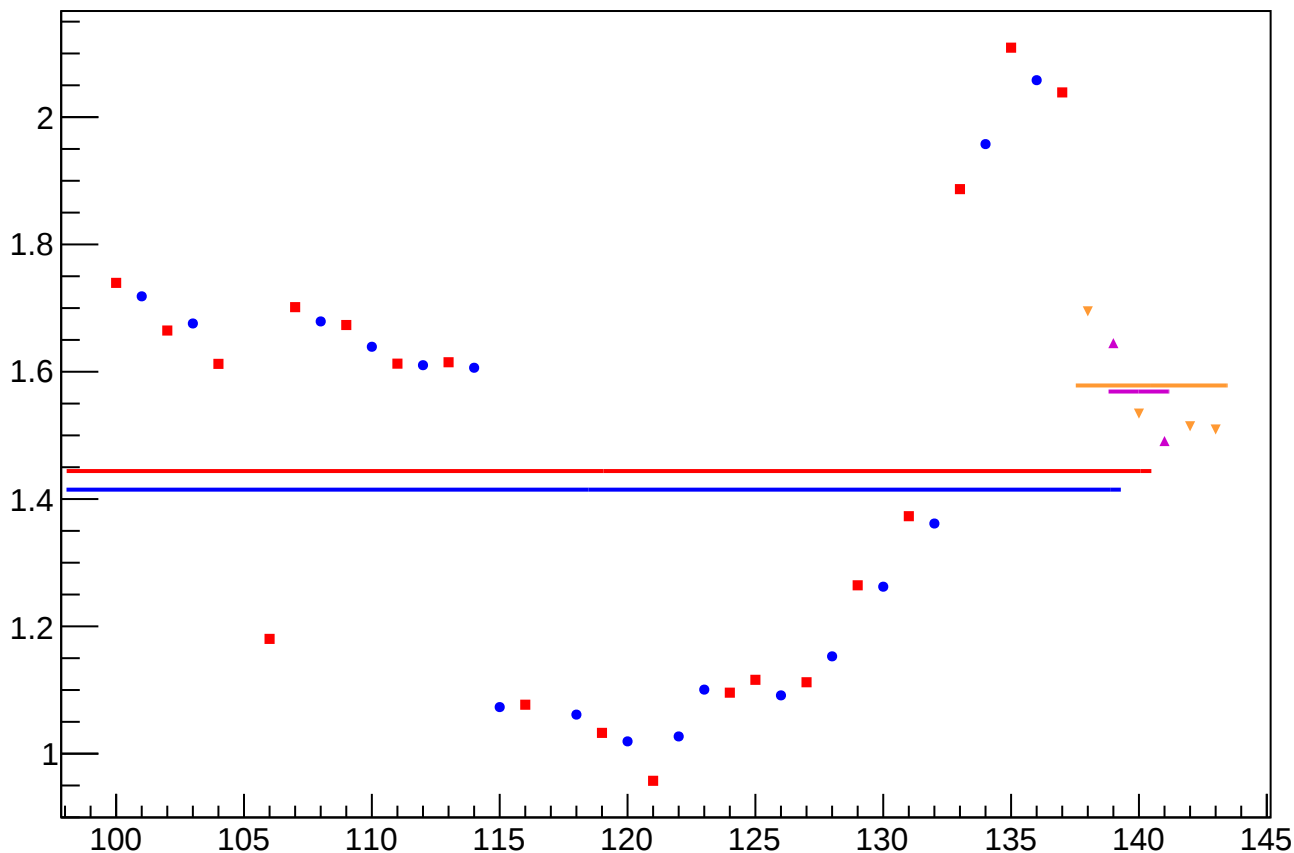
Right: 0.007 $\pm$ 0.000 χ^2 /NDF: 339006.1/35

In: 0.007 $\pm$ 0.000 χ^2 /NDF:362065.9/18

Out: 0.007 $\pm$ 0.000 χ^2 /NDF:420330.6/22

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 783725.7/41

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.415+/-0.000 χ^2/NDF : 171733730631.9/16

Left Out: 1.578+/-0.000 χ^2/NDF : 783968412.6/3

Right Out: 1.444+/-0.000 χ^2/NDF : 172869416198.6/18

Left In: 1.569+/-0.000 χ^2/NDF : 392480378.0/1

Left: 1.575+/-0.000 χ^2/NDF : 1180259644.8/5

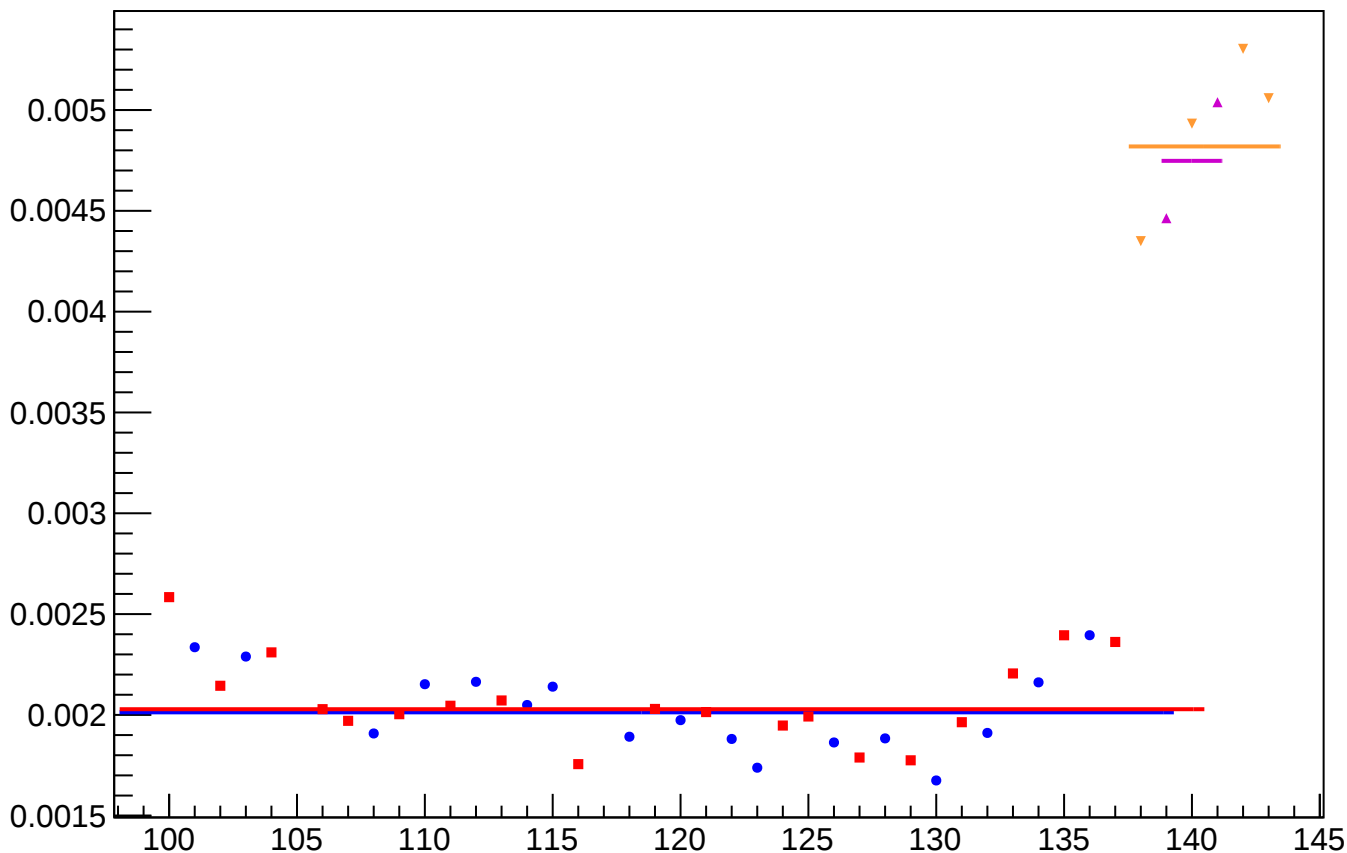
Right: 1.430+/-0.000 χ^2/NDF : 345262431703.8/35

In: 1.421+/-0.000 χ^2/NDF : 173636896916.8/18

Out: 1.453+/-0.000 χ^2/NDF : 175593427920.2/22

All: 1.438+/-0.000 χ^2/NDF : 350063798878.2

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 149372.5/16

Left Out: 0.005+/-0.000 χ^2/NDF :27949.5/3

Right Out: 0.002+/-0.000 χ^2/NDF : 102976.0/18

Left In: 0.005+/-0.000 χ^2/NDF :10975.8/1

Left: 0.005+/-0.000 χ^2/NDF : 39355.5/5

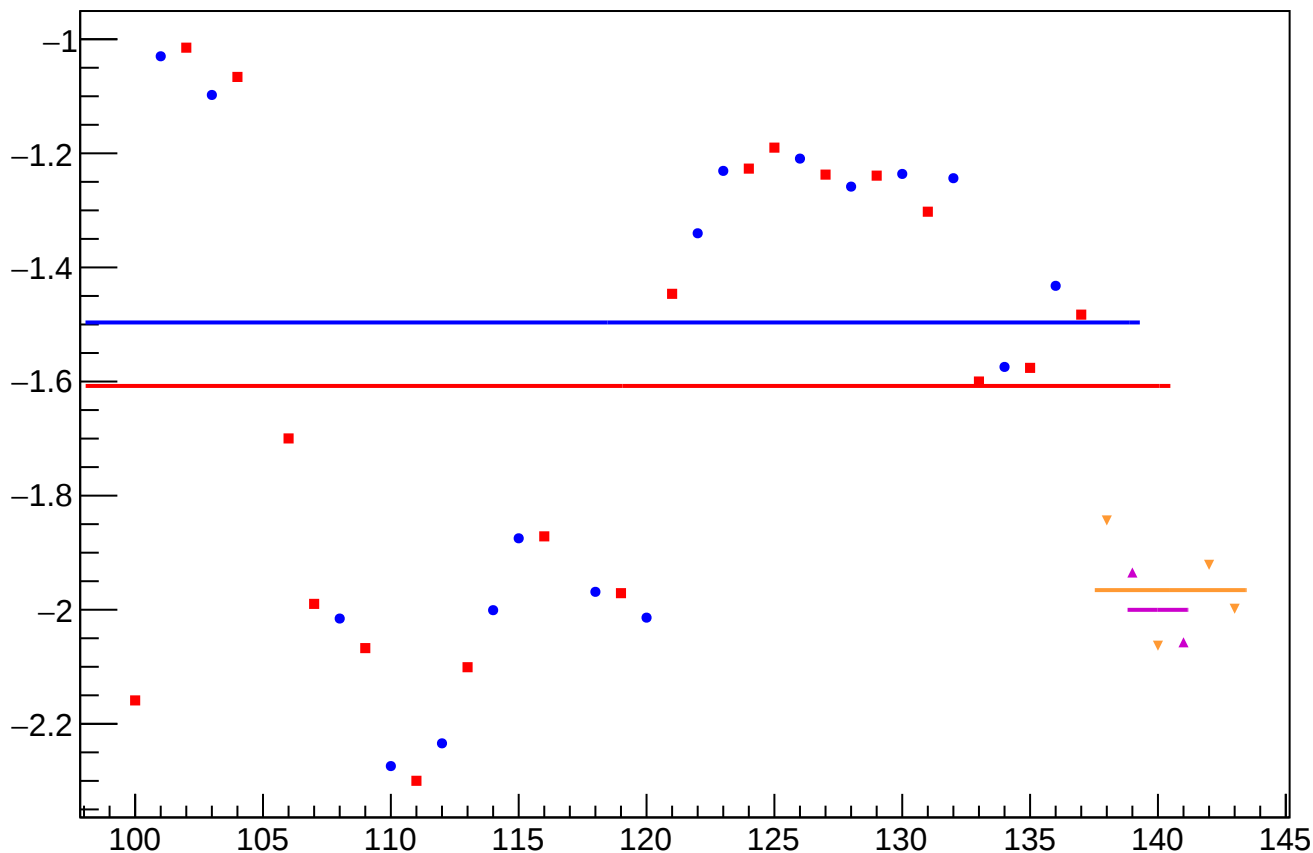
Right: 0.002+/-0.000 χ^2/NDF : 252720.4/35

In: 0.002+/-0.000 χ^2/NDF :1111757.5/18

Out: 0.002+/-0.000 χ^2/NDF :1803645.6/22

All: 0.002+/-0.000 χ^2/NDF : 2929080.4/41

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496+/-0.000 χ^2/NDF : 22480434073.3/16

Left Out: -1.966+/-0.000 χ^2/NDF : 652982505.3/3

Right Out: -1.608+/-0.000 χ^2/NDF : 27825836681.8/18

Left In: -2.000+/-0.000 χ^2/NDF : 193171996.7/1

Left: -1.978+/-0.000 χ^2/NDF : 885297535.4/5

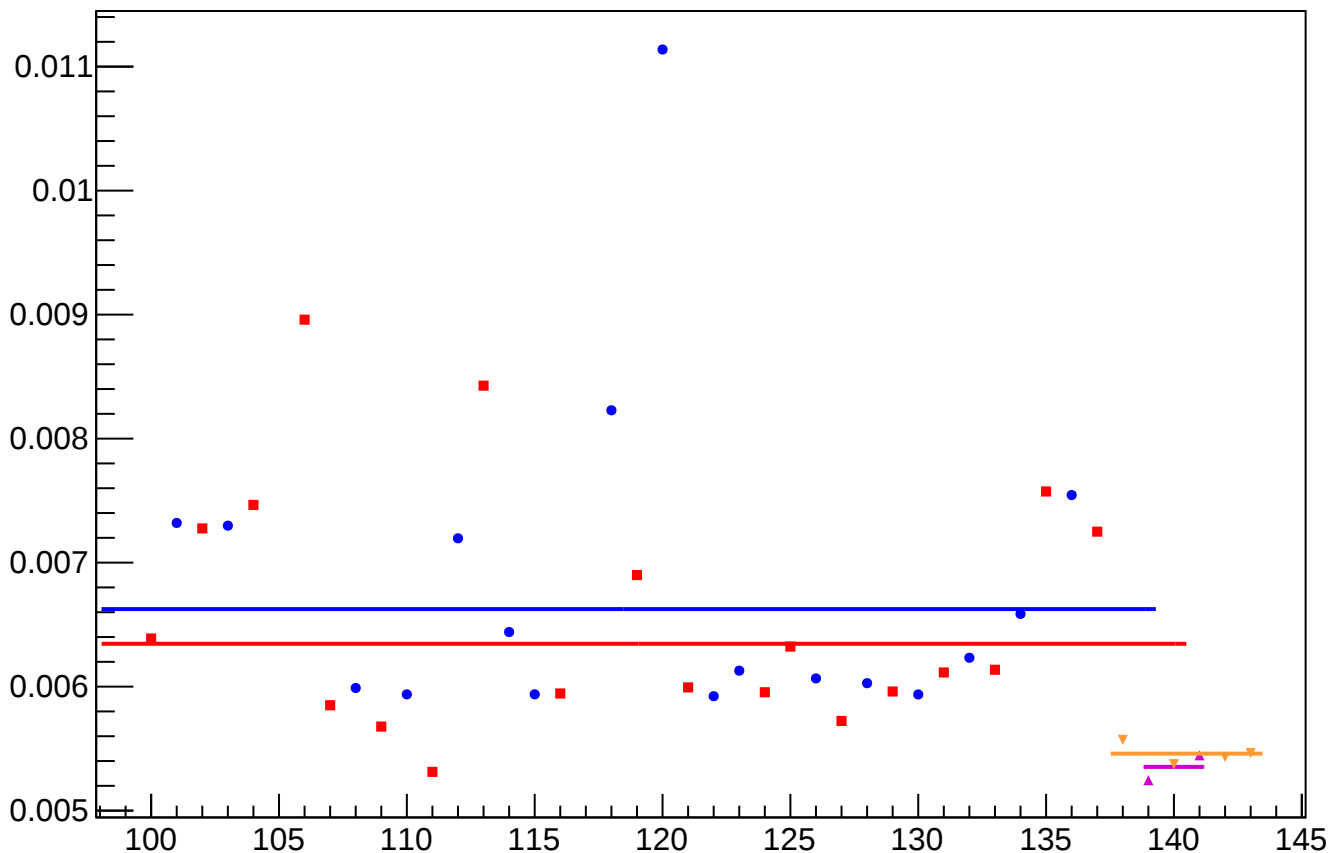
Right: -1.557+/-0.000 χ^2/NDF : 51232685741.2/35

In: -1.634+/-0.000 χ^2/NDF : 32243768981.9/18

Out: -1.734+/-0.000 χ^2/NDF : 35854889729.2/22

All: -1.691+/-0.000 χ^2/NDF : 69183539939.3/71

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 231716.4/16

Left Out: 0.005+/-0.000 χ^2/NDF : 975.7/3

Right Out: 0.006+/-0.000 χ^2/NDF : 228829.0/18

Left In: 0.005+/-0.000 χ^2/NDF : 1044.2/1

Left: 0.005+/-0.000 χ^2/NDF : 2768.4/5

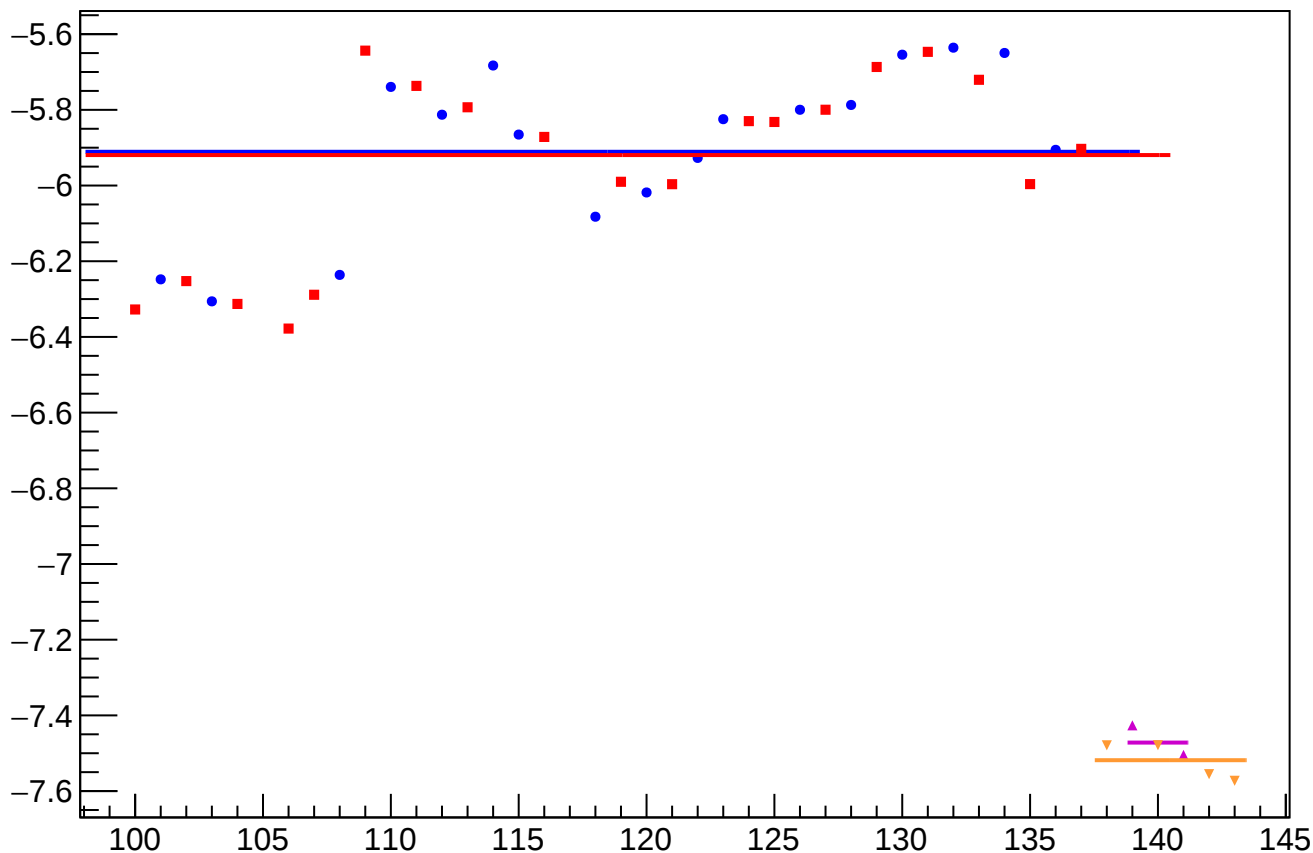
Right: 0.006+/-0.000 χ^2/NDF : 472249.9/35

In: 0.006+/-0.000 χ^2/NDF : 354952.8/18

Out: 0.006+/-0.000 χ^2/NDF : 320256.5/22

All: 0.006+/-0.000 χ^2/NDF : 688214.1/41

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.911+/-0.000 χ^2/NDF : 11134606775.1/16

Left Out: -7.518+/-0.000 χ^2/NDF : 62264109.4/3

Right Out: -5.919+/-0.000 χ^2/NDF : 12817250659.6/18

Left In: -7.472+/-0.000 χ^2/NDF : 26001413.7/1

Left: -7.502+/-0.000 χ^2/NDF : 112757736.9/5

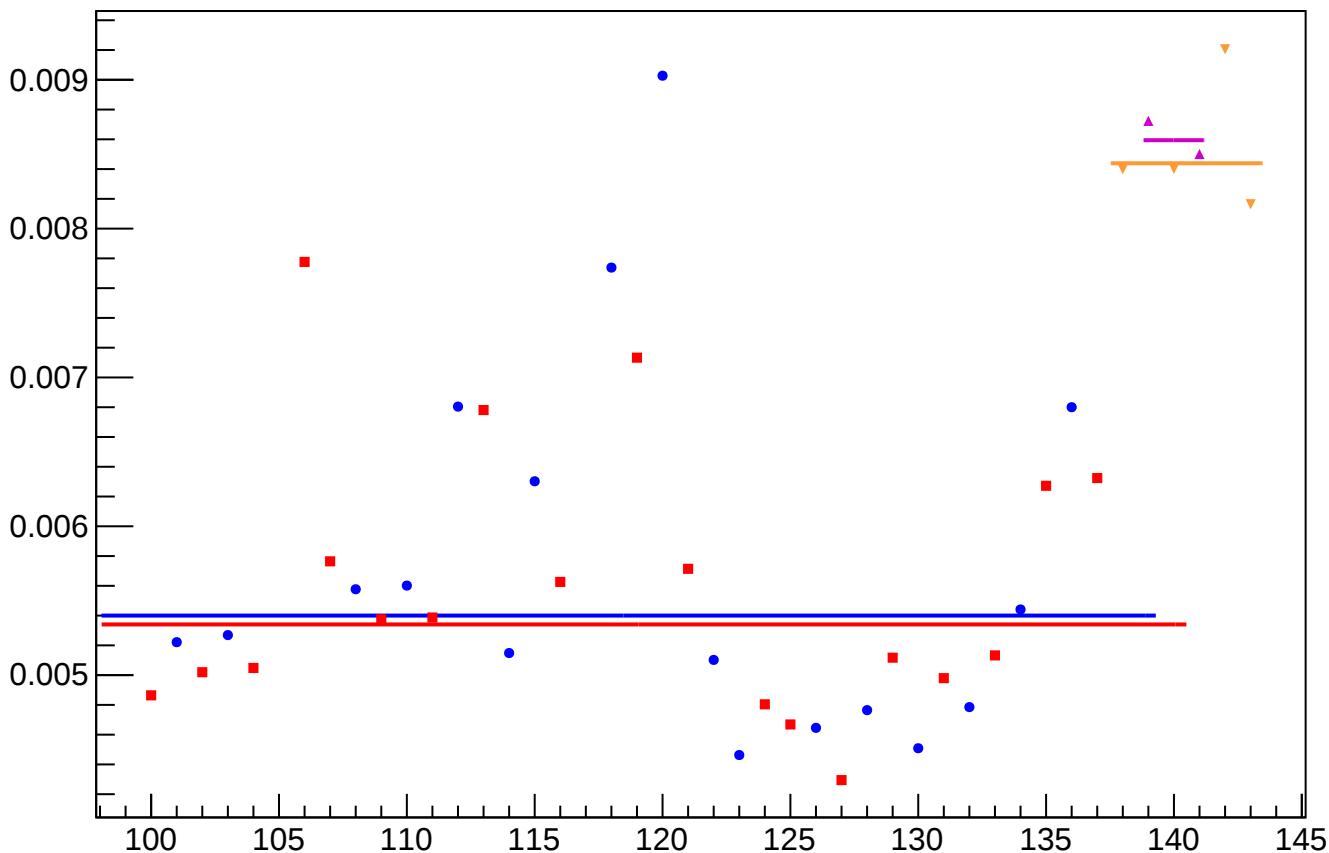
Right: -5.915+/-0.000 χ^2/NDF : 23959758417.3/35

In: -6.036+/-0.000 χ^2/NDF : 50541467727.0/18

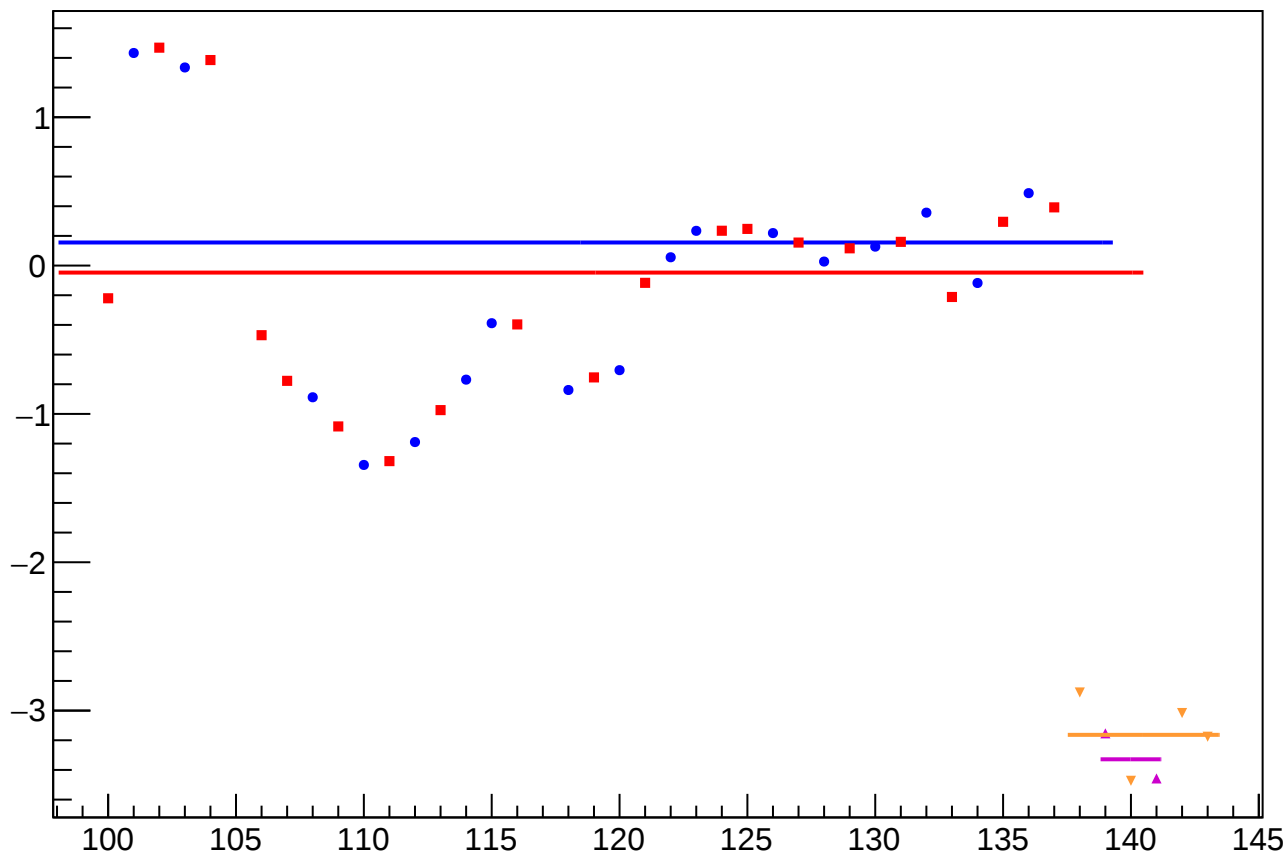
Out: -6.119+/-0.000 χ^2/NDF : 83857253508.0/22

All: -6.080+/-0.000 χ^2/NDF : 135209983703.8

yield_bpm0l01Y_rms vs Slug, Sign Corrected



yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.156+/-0.000 χ^2/NDF : 16968312396.2/16

Left Out: -3.164+/-0.000 χ^2/NDF : 504871425.6/3

Right Out: -0.047+/-0.000 χ^2/NDF : 21207878974.4/18

Left In: -3.328+/-0.000 χ^2/NDF : 124374800.1/1

Left: -3.223+/-0.000 χ^2/NDF : 725389032.6/5

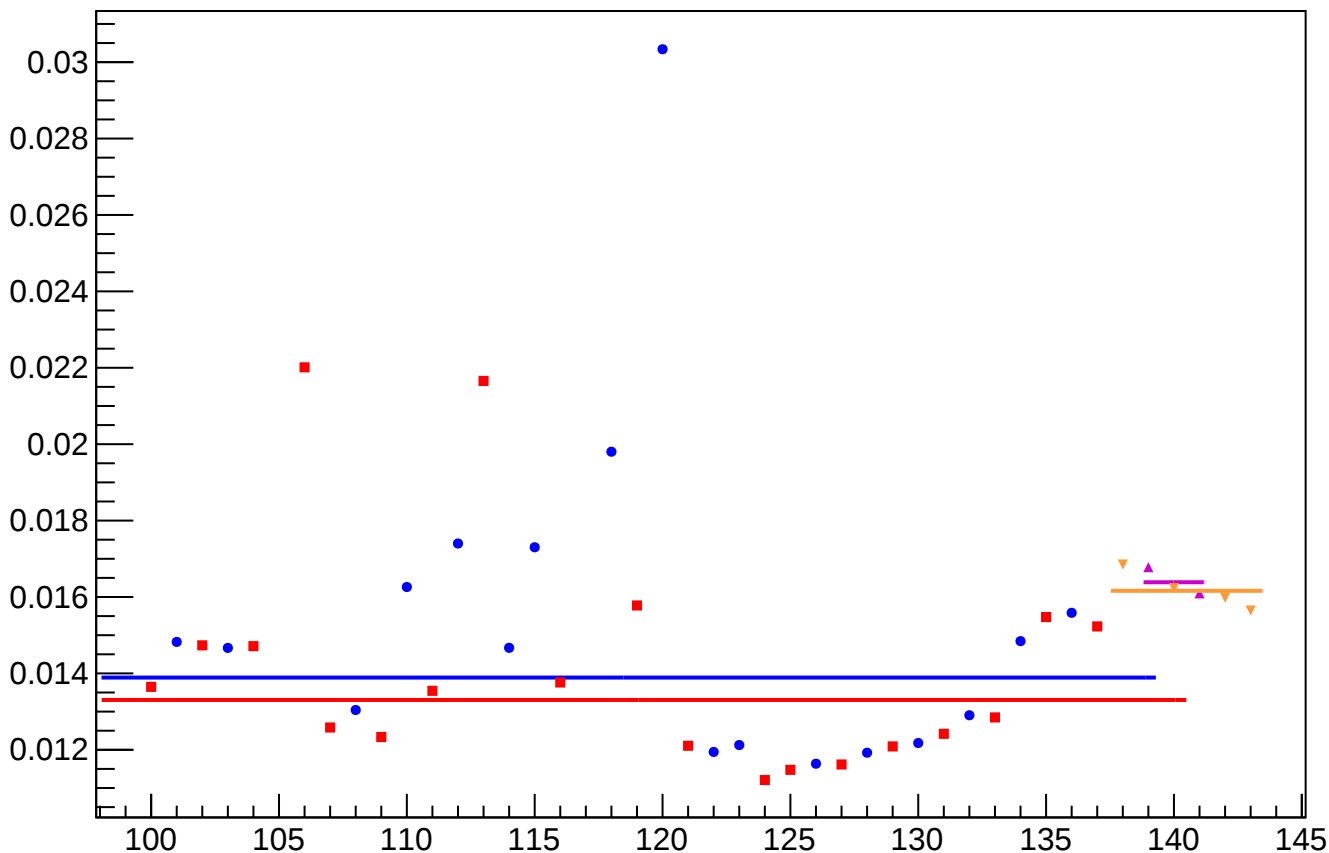
Right: 0.045+/-0.000 χ^2/NDF : 38859685690.3/35

In: -0.377+/-0.000 χ^2/NDF : 73790833944.0/18

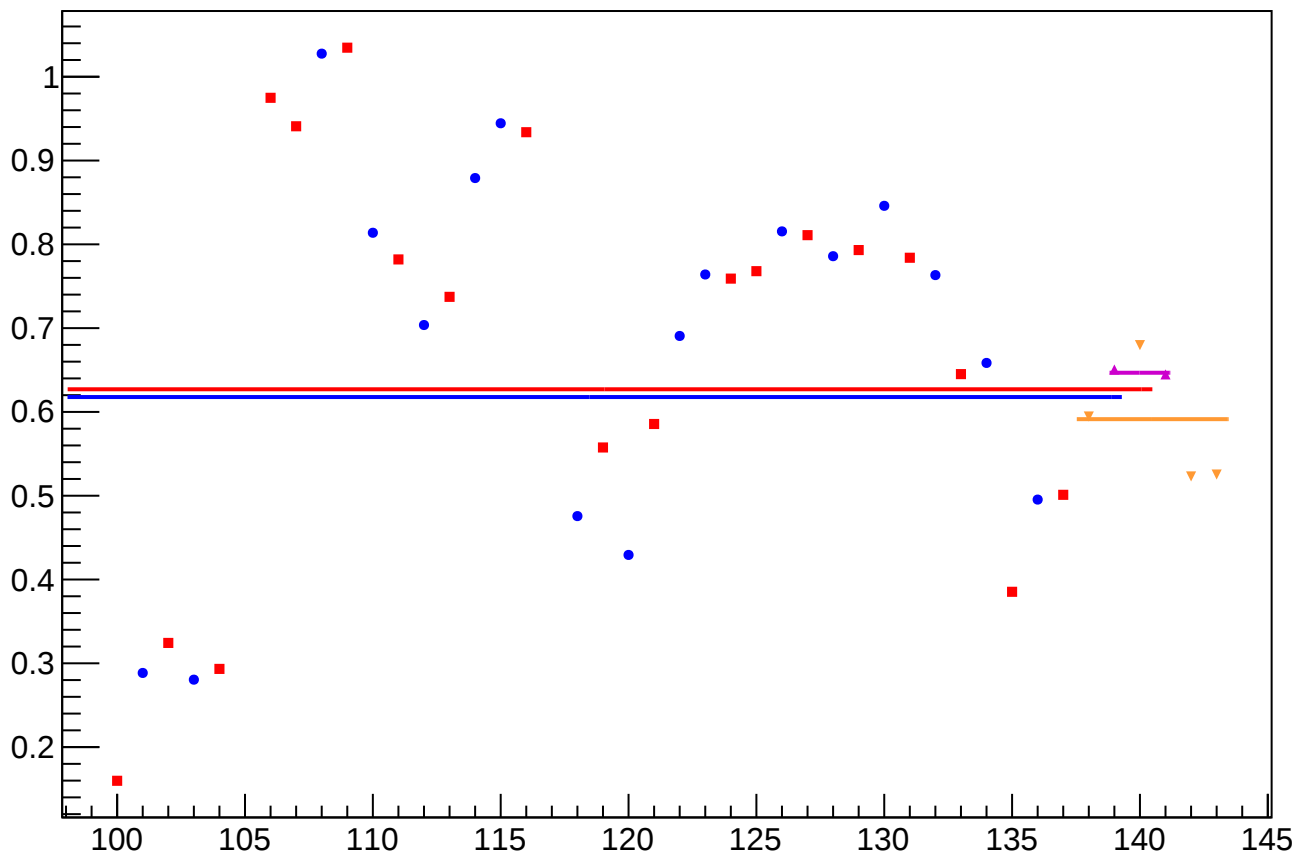
Out: -0.713+/-0.000 χ^2/NDF : 97164831844.1/22

All: -0.566+/-0.000 χ^2/NDF : 173247544362.6

yield_bpm0l02X_rms vs Slug, Sign Corrected



yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.618+/-0.000 χ^2/NDF : 5402179431.9/16

Left Out: 0.591+/-0.000 χ^2/NDF : 216342383.9/3

Right Out: 0.627+/-0.000 χ^2/NDF : 6335950203.8/18

Left In: 0.647+/-0.000 χ^2/NDF : 217659.8/1

Left: 0.612+/-0.000 χ^2/NDF : 270963299.4/5

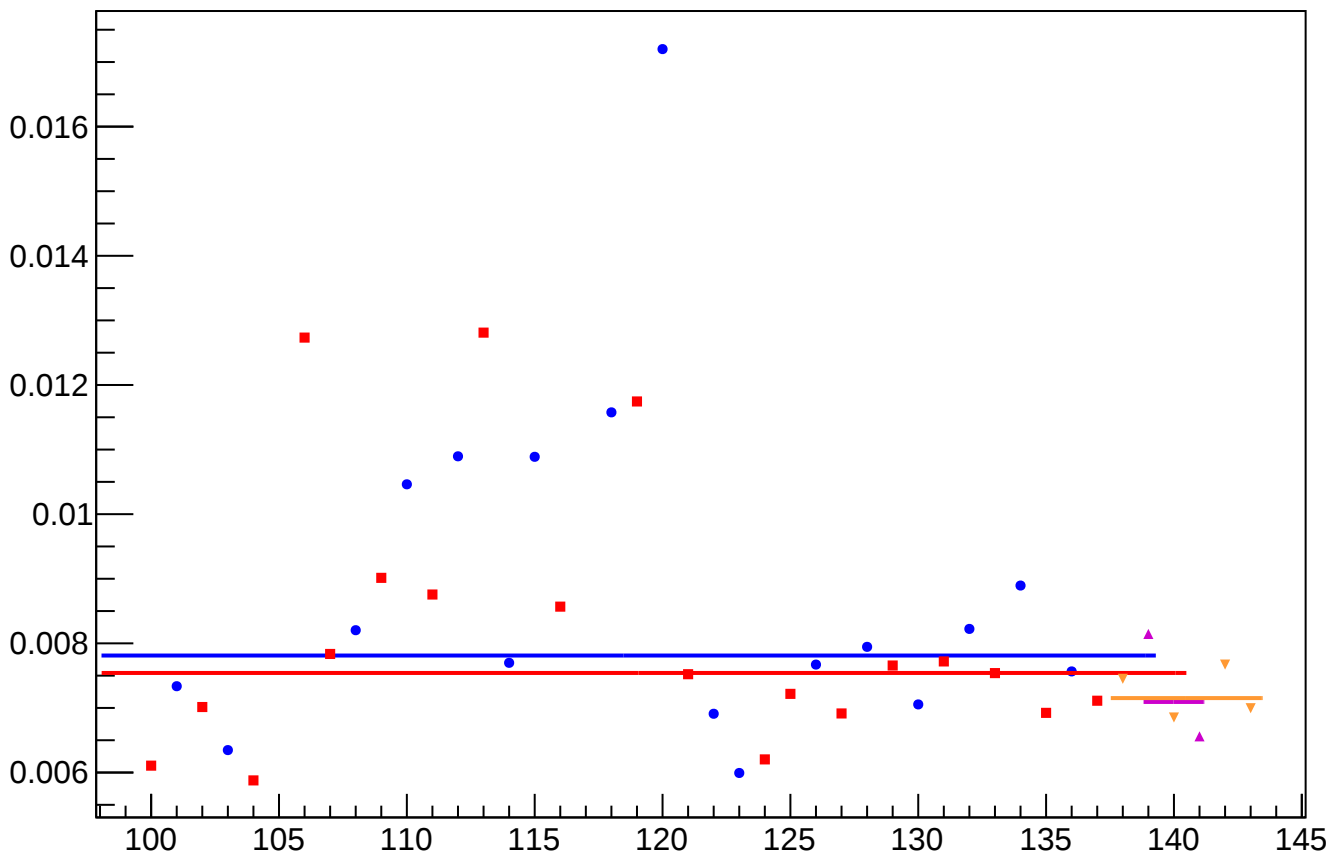
Right: 0.623+/-0.000 χ^2/NDF : 11742487820.7/35

In: 0.624+/-0.000 χ^2/NDF : 5420608619.4/18

Out: 0.616+/-0.000 χ^2/NDF : 6594745141.8/22

All: 0.620+/-0.000 χ^2/NDF : 12020101792.4/4

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008 ± 0.000 χ^2/NDF : 467235.0/16

Left Out: 0.007 ± 0.000 χ^2/NDF : 9213.8/3

Right Out: 0.008 ± 0.000 χ^2/NDF : 441480.1/18

Left In: 0.007 ± 0.000 χ^2/NDF : 31485.2/1

Left: 0.007 ± 0.000 χ^2/NDF : 40825.9/5

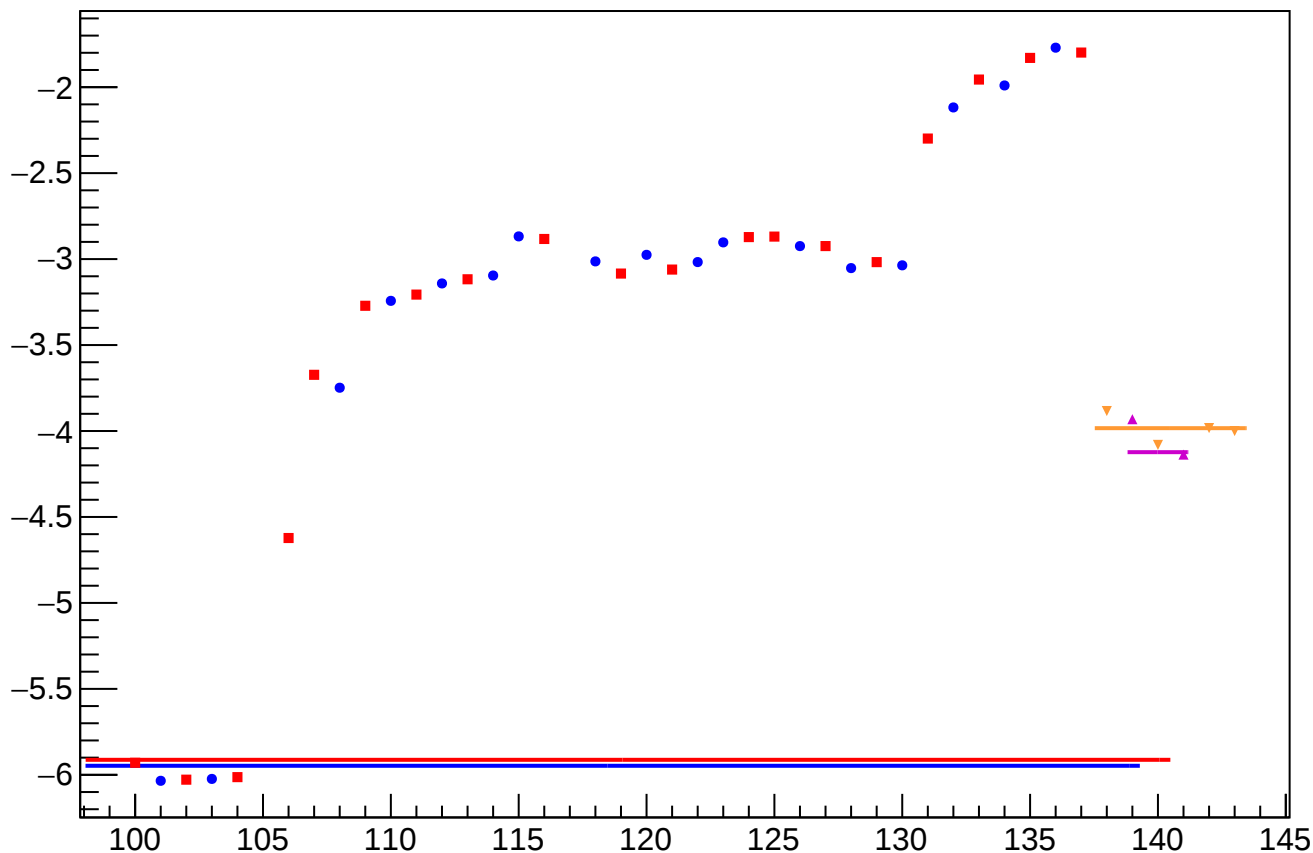
Right: 0.008 ± 0.000 χ^2/NDF : 916097.9/35

In: 0.008 ± 0.000 χ^2/NDF : 521109.8/18

Out: 0.007 ± 0.000 χ^2/NDF : 460796.9/22

All: 0.008 ± 0.000 χ^2/NDF : 988919.1/41

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.947+/-0.000 χ^2/NDF : 13110506154.0/16

Left Out: -3.984+/-0.000 χ^2/NDF : 1993411.0/3

Right Out: -5.913+/-0.000 χ^2/NDF : 14598904051.6/18

Left In: -4.123+/-0.000 χ^2/NDF : 2548765.3/1

Left: -4.085+/-0.000 χ^2/NDF : 9585244.1/5

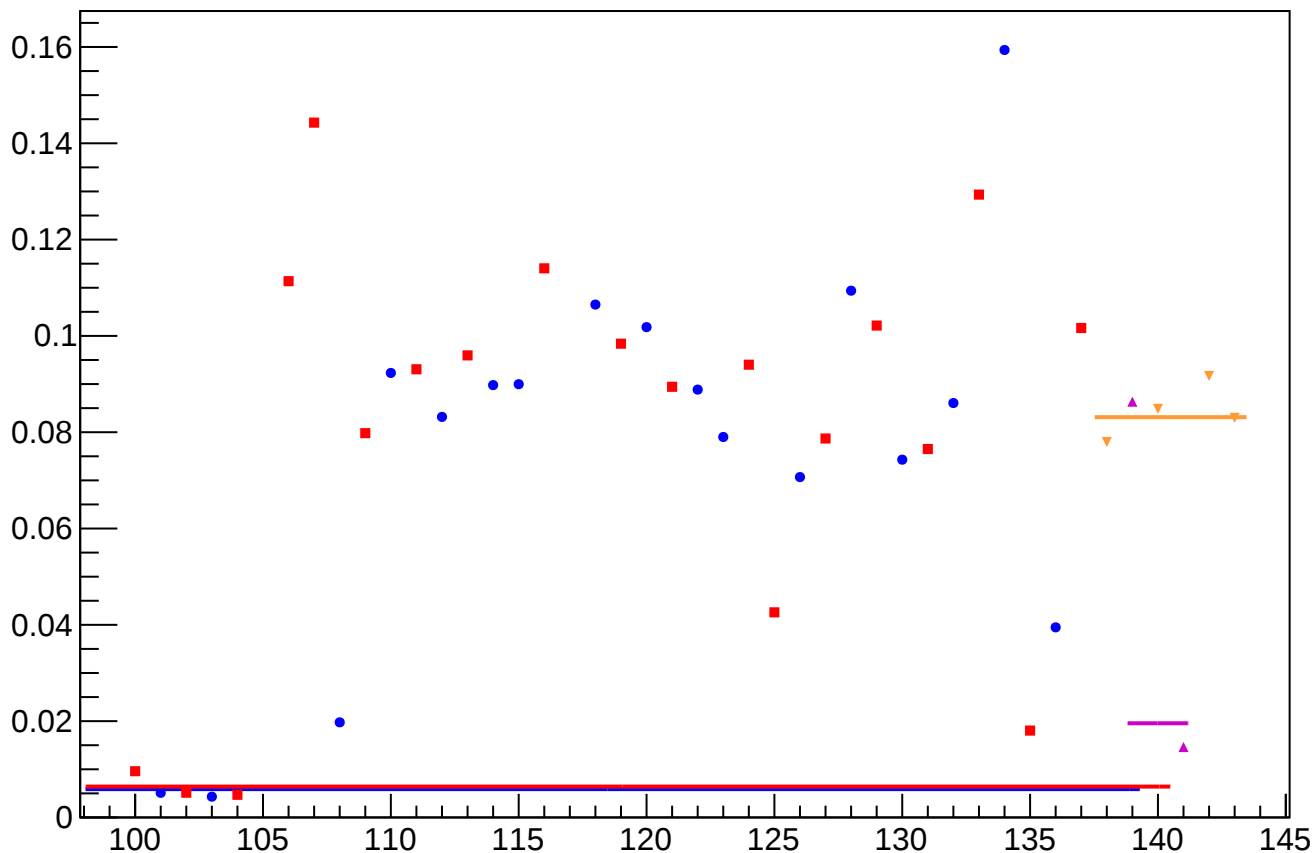
Right: -5.932+/-0.000 χ^2/NDF : 27734843277.8/35

In: -5.912+/-0.000 χ^2/NDF : 16172296137.9/18

Out: -5.895+/-0.000 χ^2/NDF : 15919739498.1/22

All: -5.904+/-0.000 χ^2/NDF : 32098381885.0/39

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 7912012.3/16

Left Out: 0.083+/-0.000 χ^2/NDF :13499.2/3

Right Out: 0.006+/-0.000 χ^2/NDF : 8462409.6/18

Left In: 0.020+/-0.000 χ^2/NDF :618335.0/1

Left: 0.037+/-0.000 χ^2/NDF : 2724481.8/5

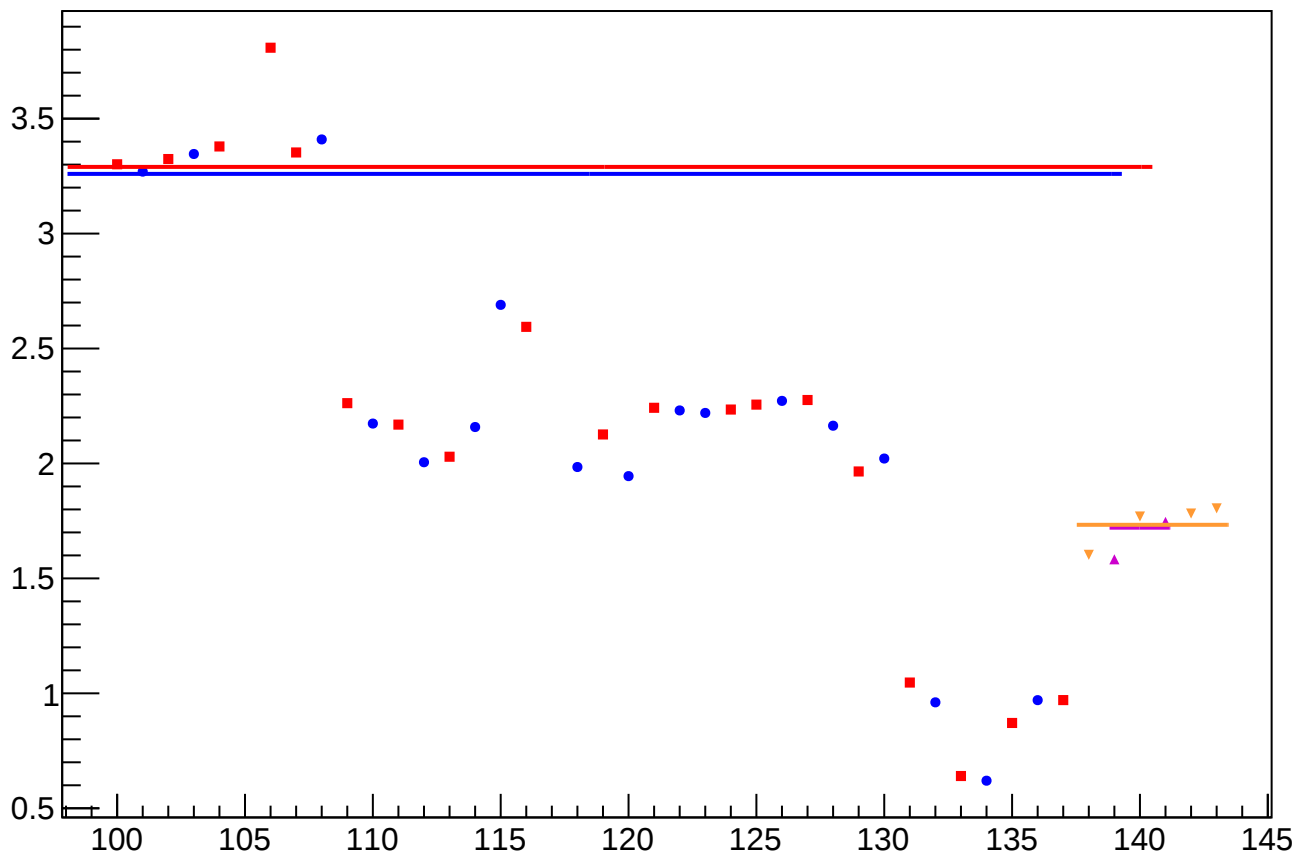
Right: 0.006+/-0.000 χ^2/NDF : 16386134.2/35

In: 0.006+/-0.000 χ^2/NDF :8874186.4/18

Out: 0.007+/-0.000 χ^2/NDF :12647643.6/22

All: 0.007+/-0.000 χ^2/NDF : 21562446.7/41

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF : 2914830636.8/16

Left Out: 1.733+/-0.000 χ^2/NDF : 2358973.0/3

Right Out: 3.290+/-0.000 χ^2/NDF : 3257931929.9/18

Left In: 1.721+/-0.000 χ^2/NDF : 1308363.6/1

Left: 1.726+/-0.000 χ^2/NDF : 3694616.8/5

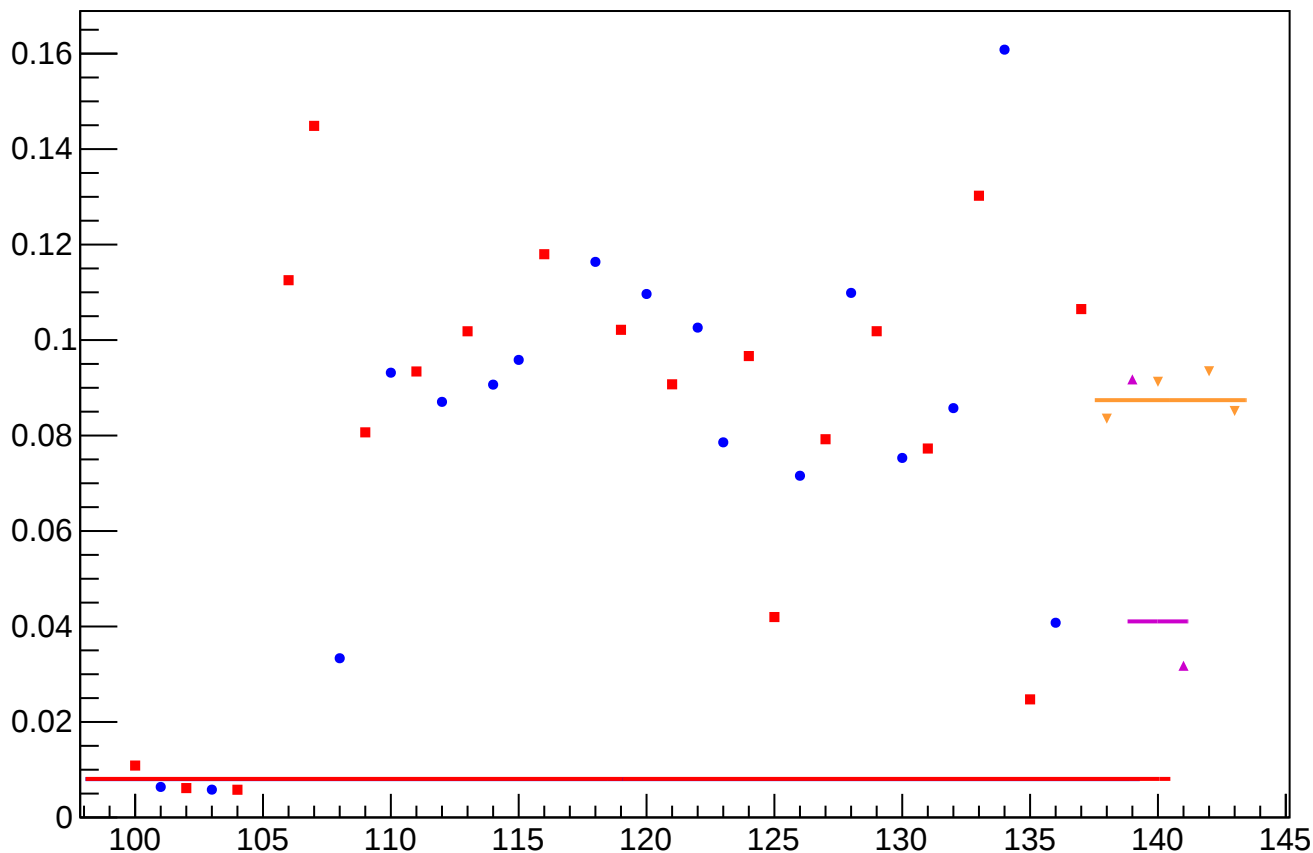
Right: 3.274+/-0.000 χ^2/NDF : 6185493270.5/35

In: 3.240+/-0.000 χ^2/NDF : 3798366017.5/18

Out: 3.271+/-0.000 χ^2/NDF : 4037624330.1/22

All: 3.255+/-0.000 χ^2/NDF : 7849806152.1/41

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 7721103.3/16

Left Out: 0.087+/-0.000 χ^2/NDF : 9746.7/3

Right Out: 0.008+/-0.000 χ^2/NDF : 8274347.6/18

Left In: 0.041+/-0.000 χ^2/NDF : 355394.4/1

Left: 0.062+/-0.000 χ^2/NDF : 1114749.5/5

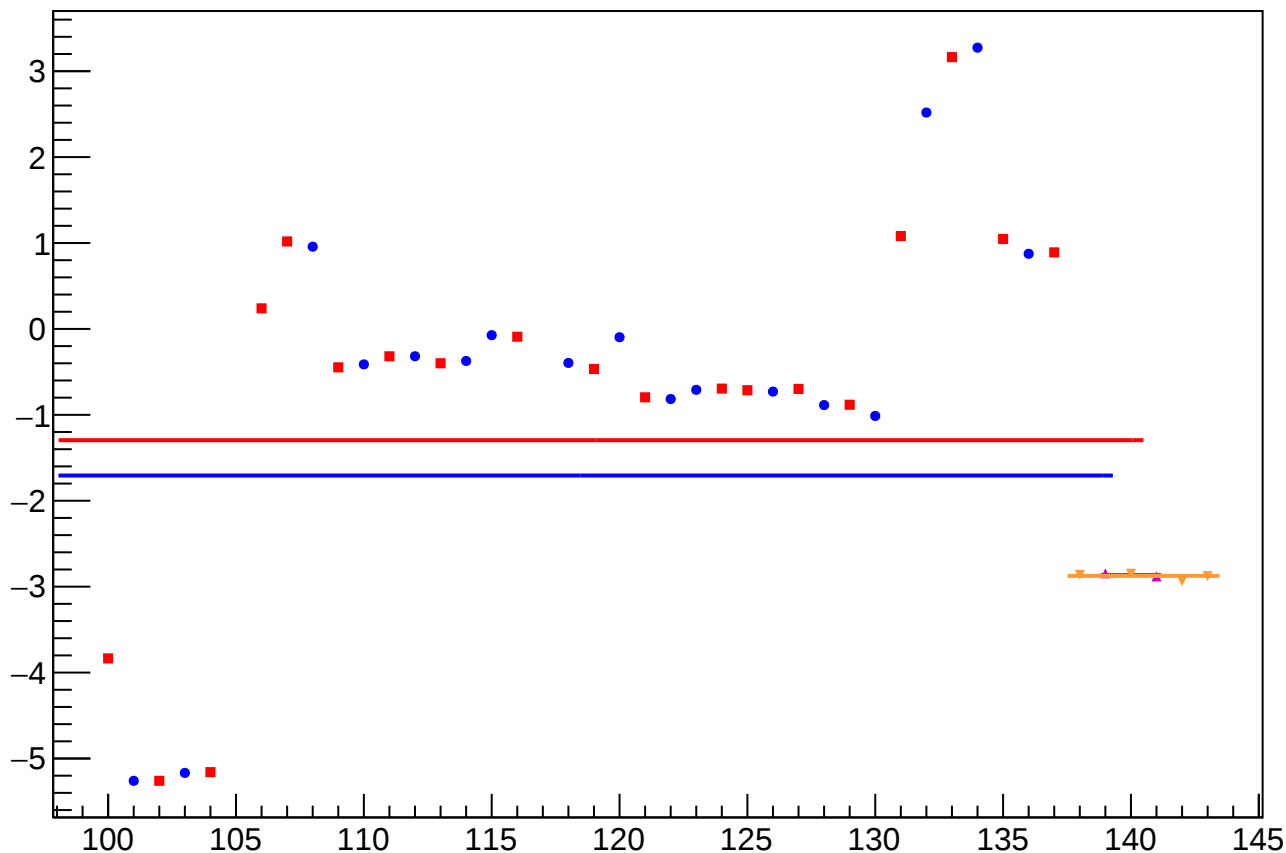
Right: 0.008+/-0.000 χ^2/NDF : 15995510.5/35

In: 0.008+/-0.000 χ^2/NDF : 8889568.2/18

Out: 0.009+/-0.000 χ^2/NDF : 12320997.4/22

All: 0.009+/-0.000 χ^2/NDF : 21219946.6/41

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.706+/-0.000 χ^2/NDF : 166152957432.2/16

Left Out: -2.874+/-0.000 χ^2/NDF : 37926105.5/3

Right Out: -1.295+/-0.000 χ^2/NDF : 178454284120.5/18

Left In: -2.865+/-0.000 χ^2/NDF : 8635989.3/1

Left: -2.871+/-0.000 χ^2/NDF : 48215314.2/5

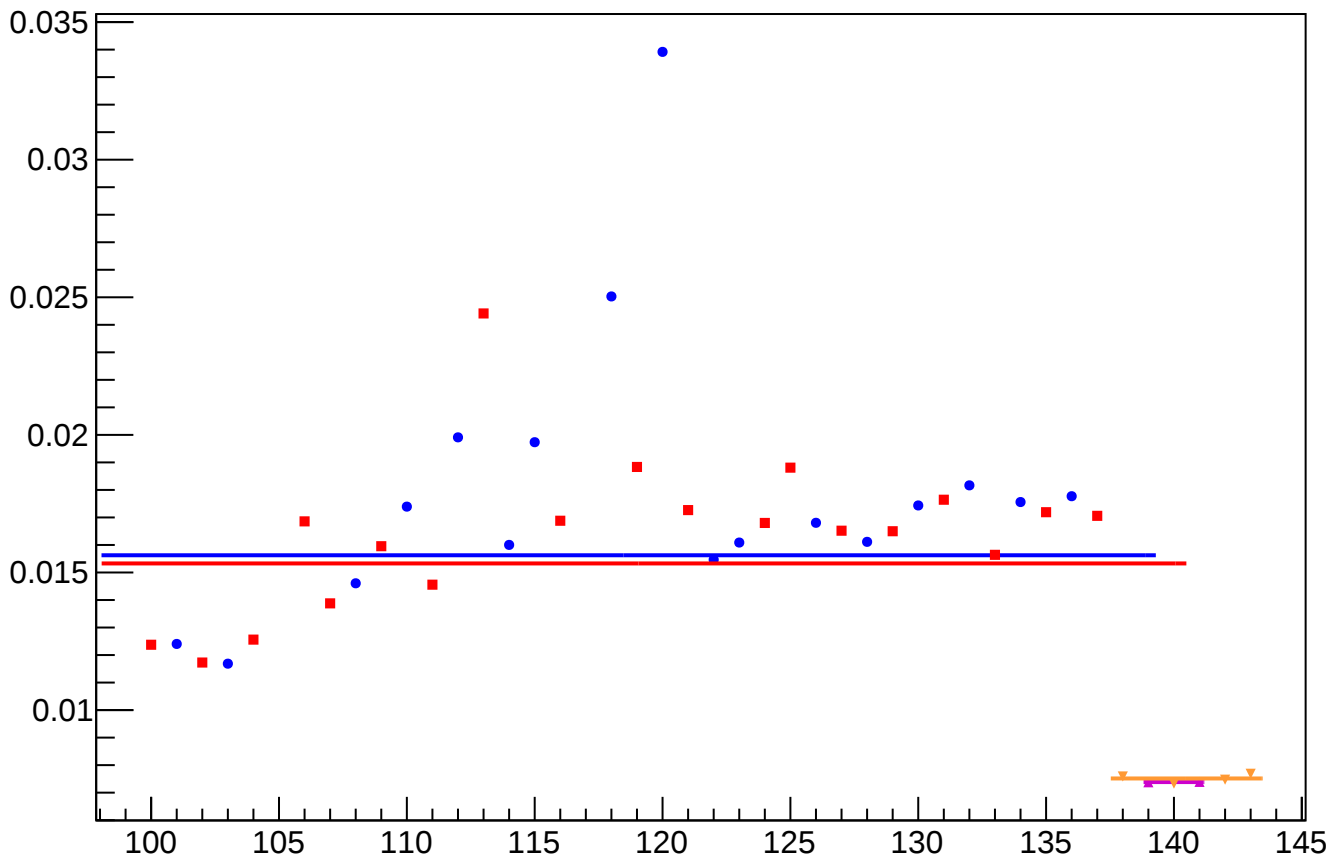
Right: -1.486+/-0.000 χ^2/NDF : 346679077409.6/35

In: -2.338+/-0.000 χ^2/NDF : 182904741132.5/18

Out: -2.304+/-0.000 χ^2/NDF : 220475033291.3/22

All: -2.318+/-0.000 χ^2/NDF : 403412756954.3

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF : 576262.6/16

Left Out: 0.008+/-0.000 χ^2/NDF :1922.1/3

Right Out: 0.015+/-0.000 χ^2/NDF : 349445.5/18

Left In: 0.007+/-0.000 χ^2/NDF :2.6/1

Left: 0.007+/-0.000 χ^2/NDF : 2515.4/5

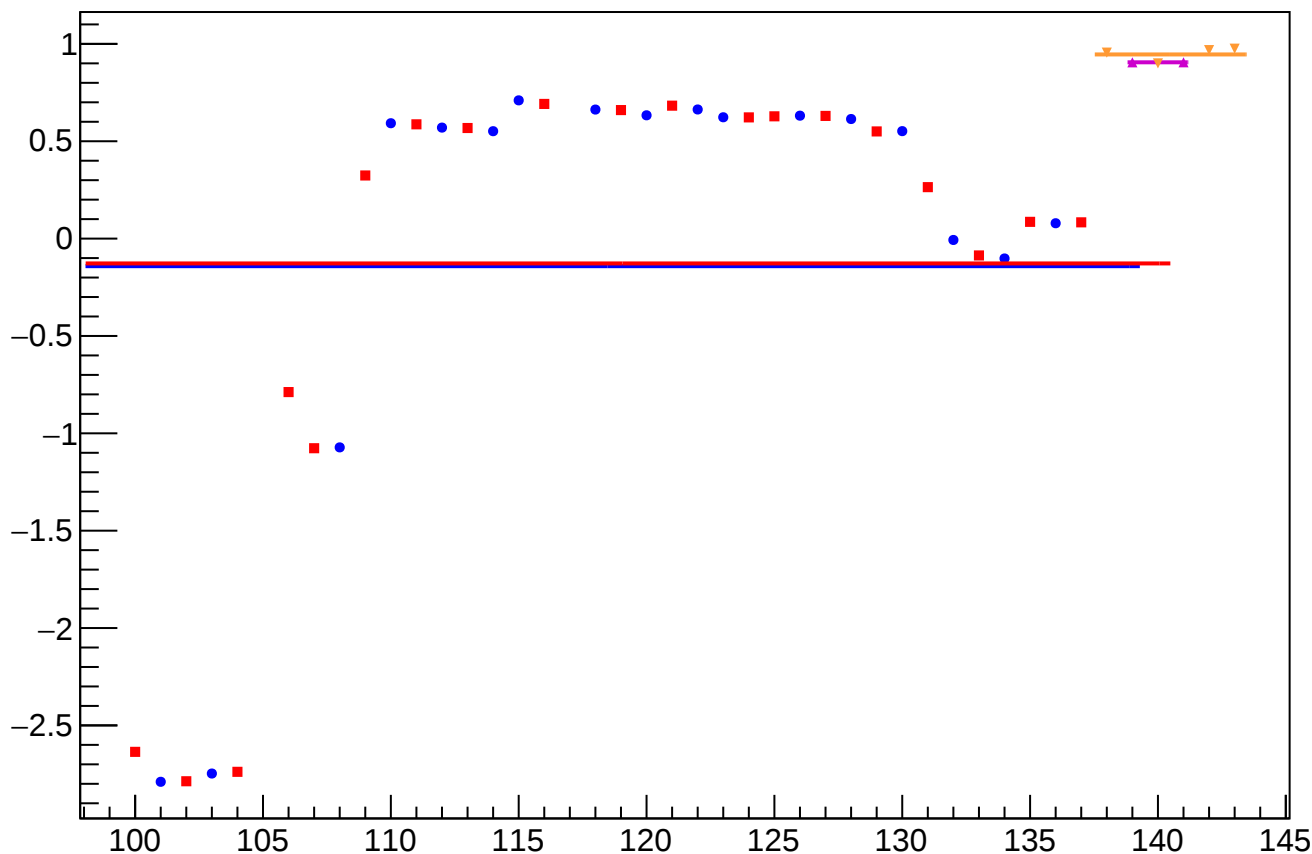
Right: 0.015+/-0.000 χ^2/NDF : 927870.4/35

In: 0.011+/-0.000 χ^2/NDF :2271610.2/18

Out: 0.010+/-0.000 χ^2/NDF :2406464.7/22

All: 0.011+/-0.000 χ^2/NDF : 4716049.7/41

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -0.142 ± 0.000 $\chi^2/\text{NDF}: 713960839307.6/16$

Left Out: 0.946 ± 0.000 $\chi^2/\text{NDF}: 53244077.3/3$

Right Out: -0.128 ± 0.000 $\chi^2/\text{NDF}: 760638736693.8/18$

Left In: 0.905 ± 0.000 $\chi^2/\text{NDF}: 178.8/1$

Left: 0.931 ± 0.000 $\chi^2/\text{NDF}: 84091605.4/5$

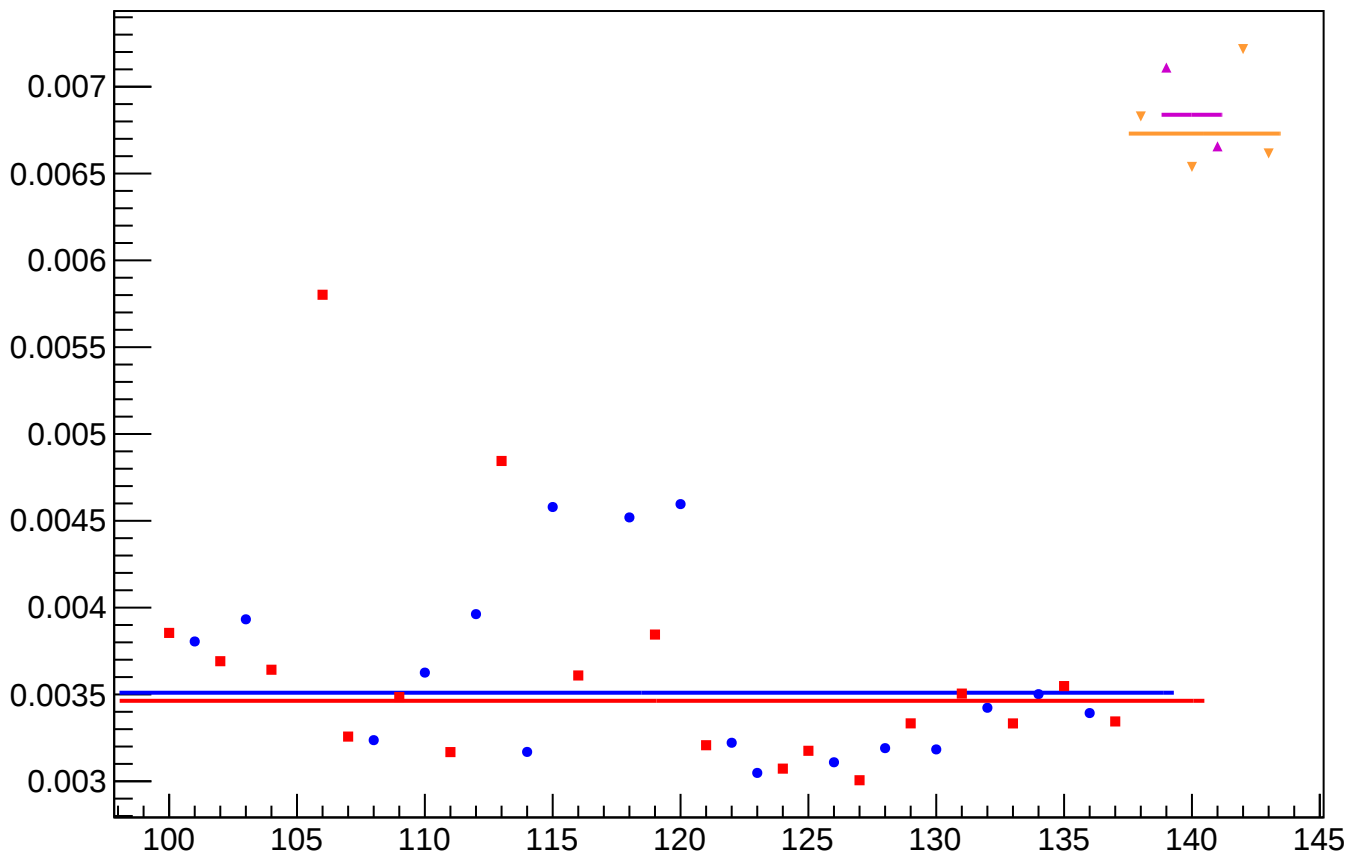
Right: -0.134 ± 0.000 $\chi^2/\text{NDF}: 1474652420733.4/3$

In: -0.084 ± 0.000 $\chi^2/\text{NDF}: 744493145477.6/18$

Out: -0.035 ± 0.000 $\chi^2/\text{NDF}: 816179680256.5/22$

All: -0.058 ± 0.000 $\chi^2/\text{NDF}: 1561377990583$

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 171943.8/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:5425.6/3

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 215500.5/18

Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:2913.7/1

Left: 0.007 $\pm$ 0.000 χ^2 /NDF: 8783.5/5

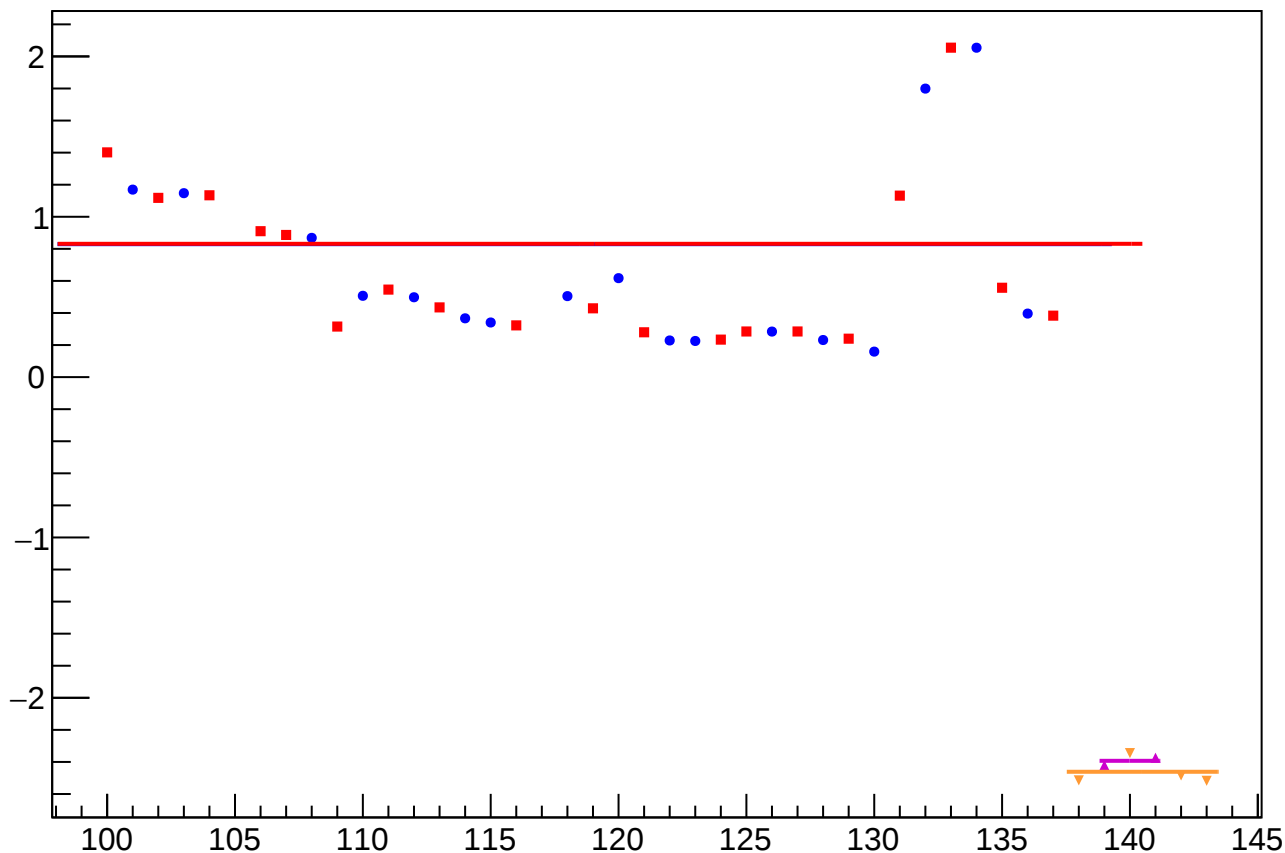
Right: 0.003 $\pm$ 0.000 χ^2 /NDF: 388598.7/35

In: 0.004 $\pm$ 0.000 χ^2 /NDF:792045.3/18

Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1248918.0/22

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 2042625.2/41

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.829+/-0.000 χ^2/NDF : 31663410264.3/16

Left Out: -2.461+/-0.000 χ^2/NDF : 333193686.2/3

Right Out: 0.831+/-0.000 χ^2/NDF : 33383369168.0/18

Left In: -2.393+/-0.000 χ^2/NDF : 16915364.7/1

Left: -2.437+/-0.000 χ^2/NDF : 445001151.8/5

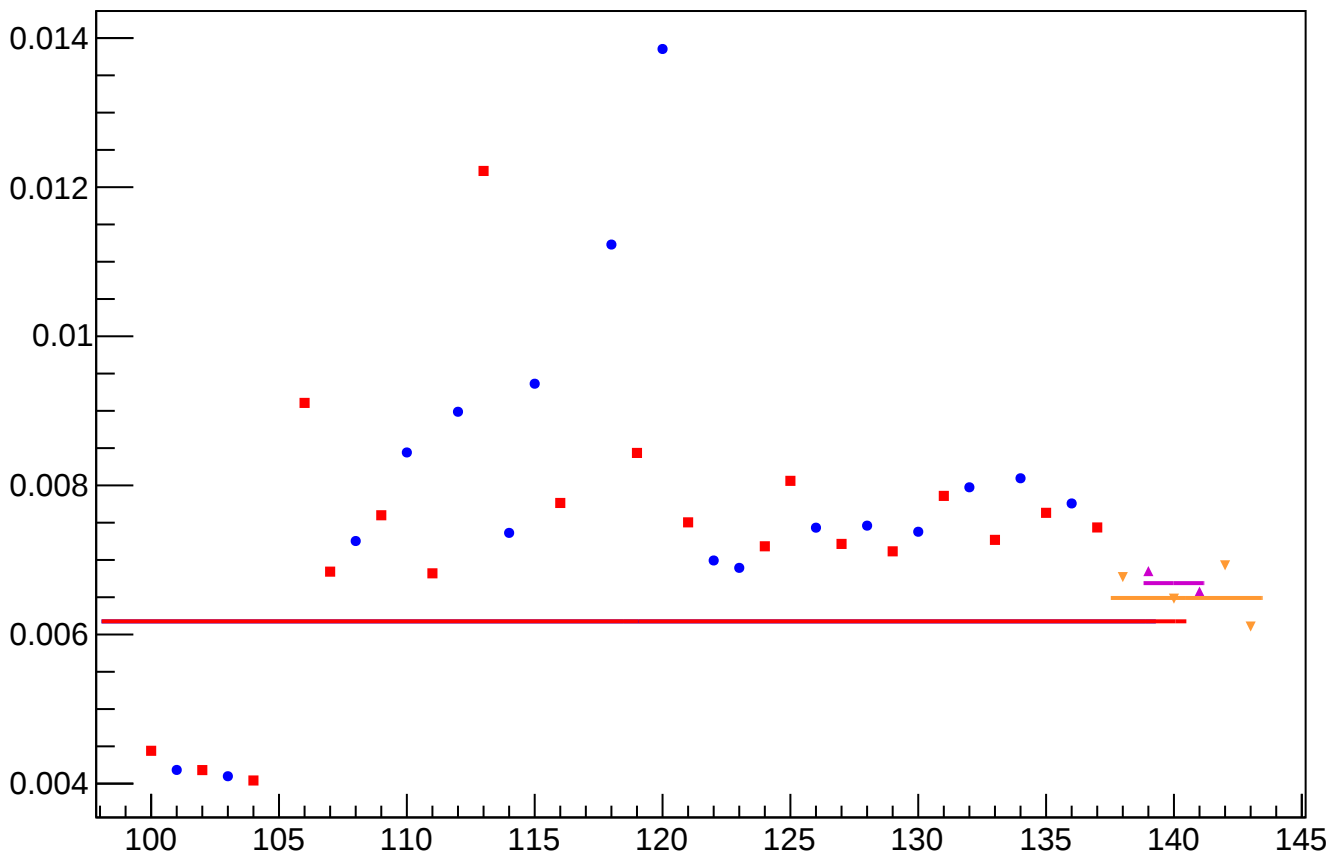
Right: 0.830+/-0.000 χ^2/NDF : 65047160404.8/35

In: 0.235+/-0.000 χ^2/NDF : 297678011747.1/18

Out: -0.074+/-0.000 χ^2/NDF : 486635334470.9/22

All: 0.065+/-0.000 χ^2/NDF : 793304756775.1

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 1221890.6/16

Left Out: 0.006+/-0.000 χ^2/NDF :10796.8/3

Right Out: 0.006+/-0.000 χ^2/NDF : 1020690.2/18

Left In: 0.007+/-0.000 χ^2/NDF :1143.9/1

Left: 0.007+/-0.000 χ^2/NDF : 13551.3/5

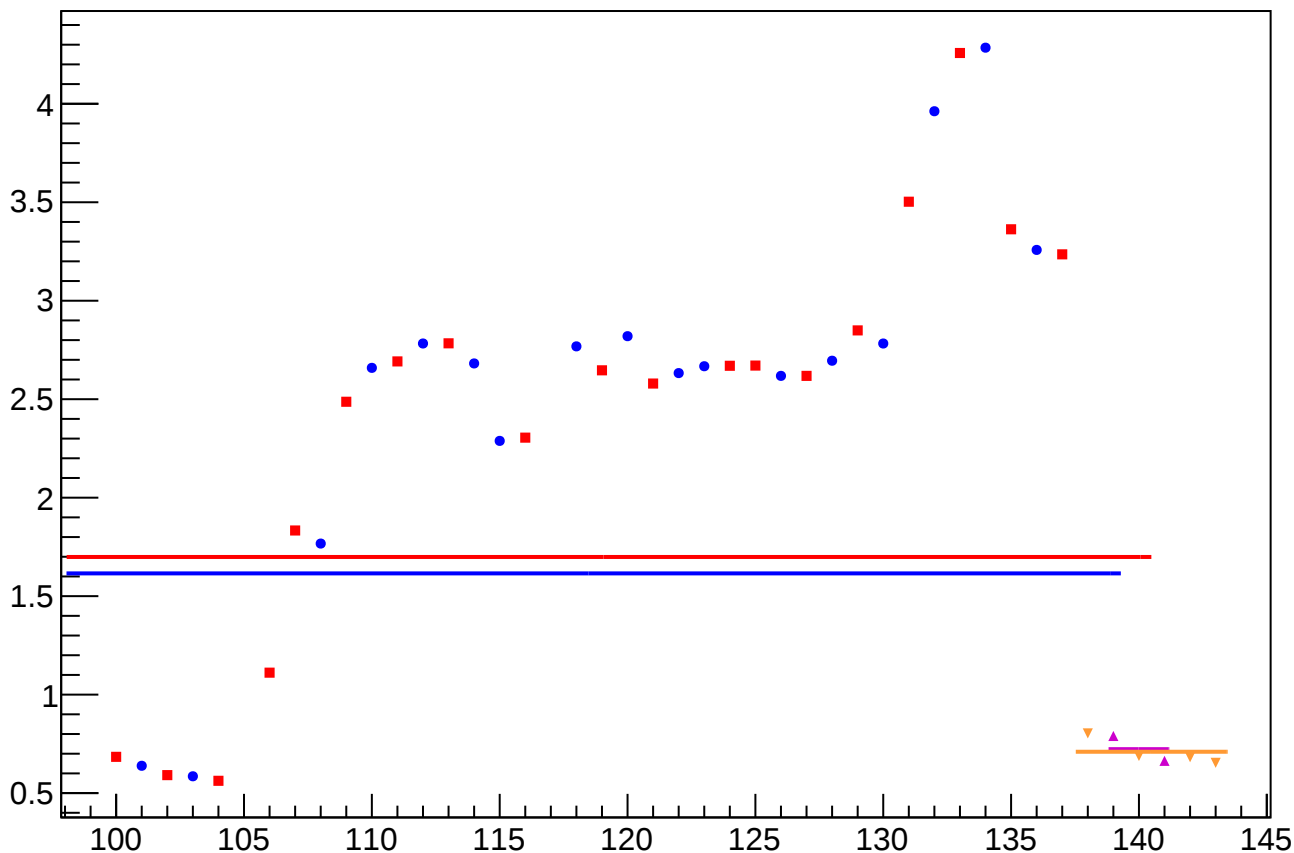
Right: 0.006+/-0.000 χ^2/NDF : 2242581.1/35

In: 0.006+/-0.000 χ^2/NDF :1236563.3/18

Out: 0.006+/-0.000 χ^2/NDF :1039687.5/22

All: 0.006+/-0.000 χ^2/NDF : 2276260.1/41

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.616+/-0.000 χ^2/NDF : 202687681737.9/16

Left Out: 0.710+/-0.000 χ^2/NDF : 222298013.1/3

Right Out: 1.699+/-0.000 χ^2/NDF : 227853059871.9/18

Left In: 0.723+/-0.000 χ^2/NDF : 137126489.5/1

Left: 0.715+/-0.000 χ^2/NDF : 363235347.4/5

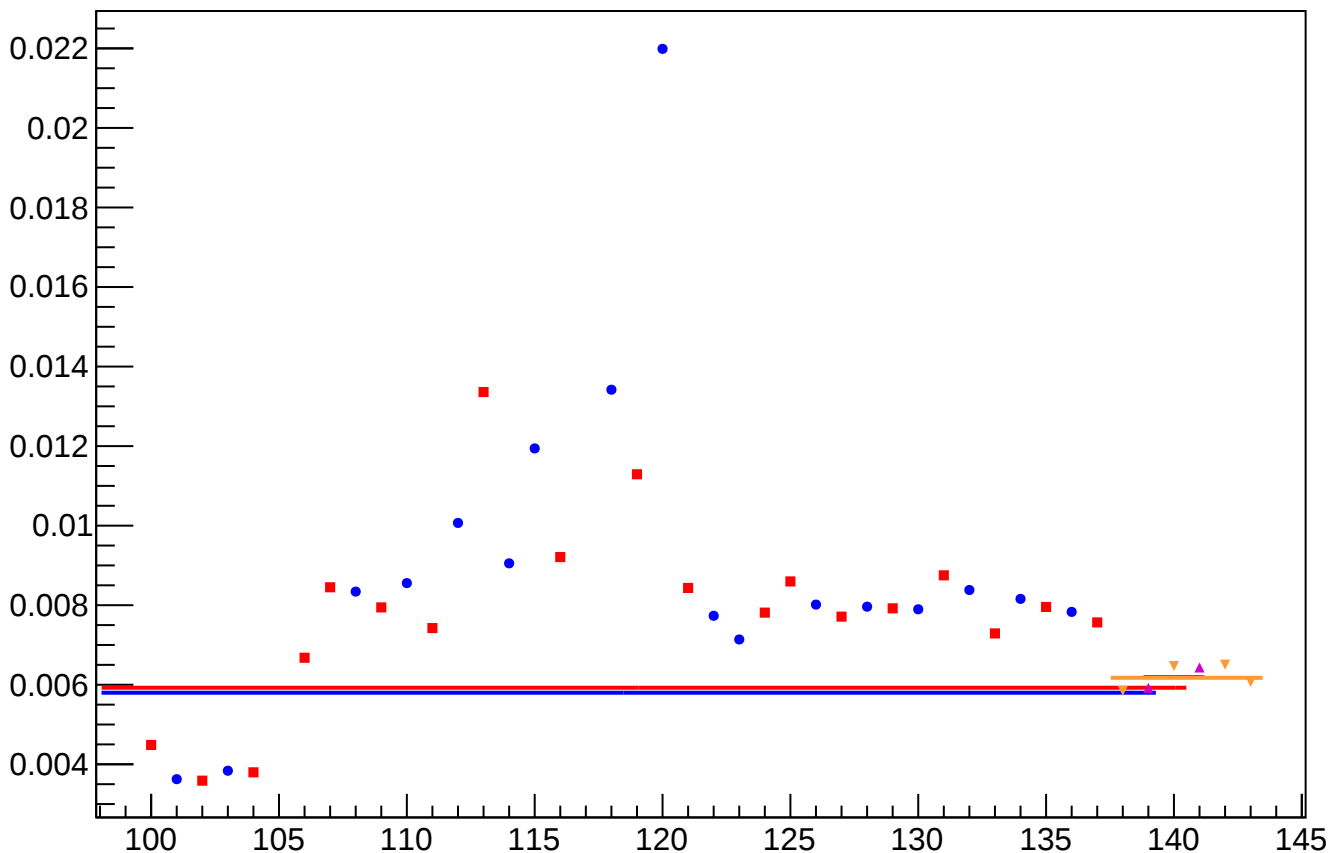
Right: 1.659+/-0.000 χ^2/NDF : 431053573295.4/35

In: 1.442+/-0.000 χ^2/NDF : 224986722127.4/18

Out: 1.417+/-0.000 χ^2/NDF : 270515915445.0/22

All: 1.428+/-0.000 χ^2/NDF : 495561927360.1

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 1911401.2/16

Left Out: 0.006+/-0.000 χ^2/NDF : 9001.8/3

Right Out: 0.006+/-0.000 χ^2/NDF : 1677224.2/18

Left In: 0.006+/-0.000 χ^2/NDF : 4520.9/1

Left: 0.006+/-0.000 χ^2/NDF : 13539.0/5

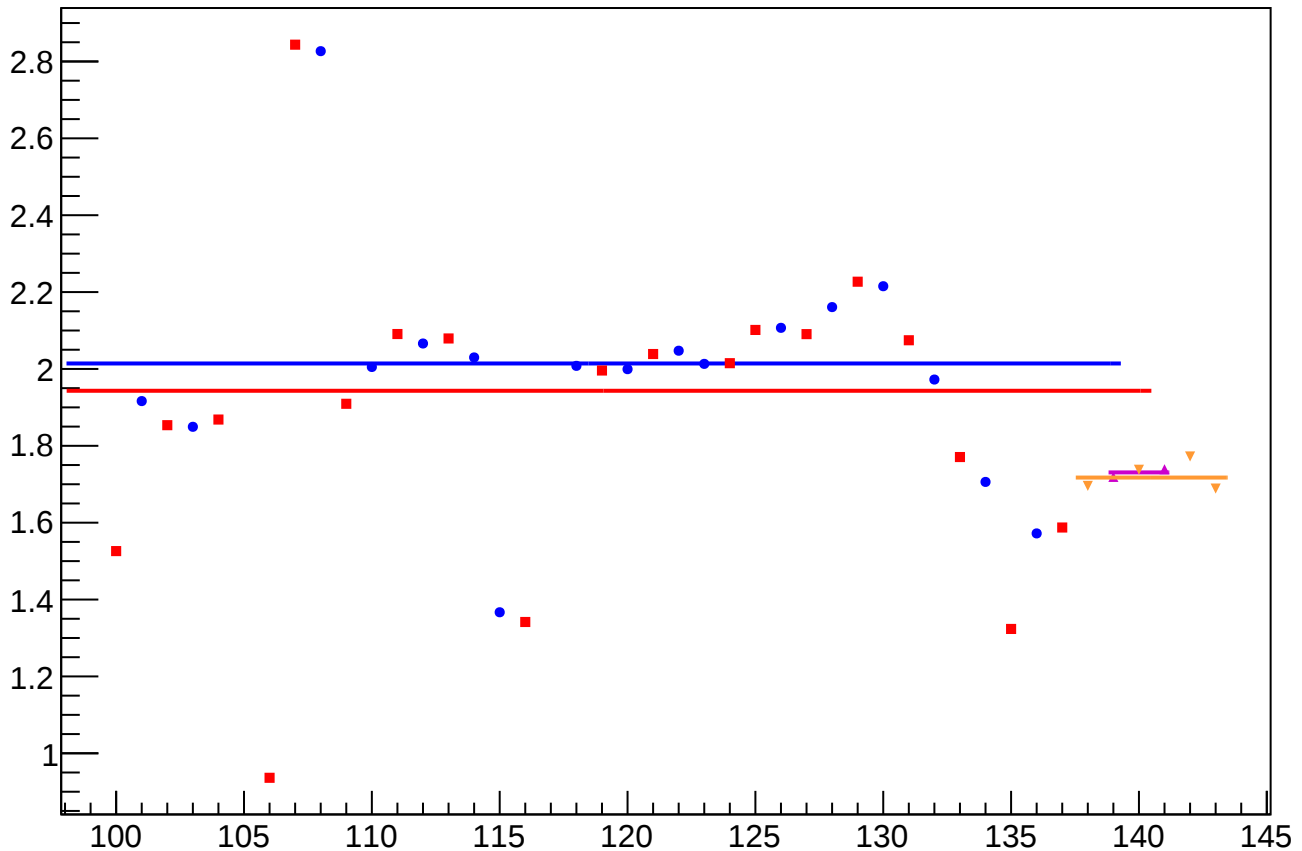
Right: 0.006+/-0.000 χ^2/NDF : 3590939.0/35

In: 0.006+/-0.000 χ^2/NDF : 1924602.4/18

Out: 0.006+/-0.000 χ^2/NDF : 1691668.7/22

All: 0.006+/-0.000 χ^2/NDF : 3619048.0/41

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.014+/-0.000 χ^2/NDF : 12207088036.2/16

Left Out: 1.717+/-0.000 χ^2/NDF : 35078729.4/3

Right Out: 1.943+/-0.000 χ^2/NDF : 21416554404.5/18

Left In: 1.731+/-0.000 χ^2/NDF : 2050208.8/1

Left: 1.722+/-0.000 χ^2/NDF : 39566829.6/5

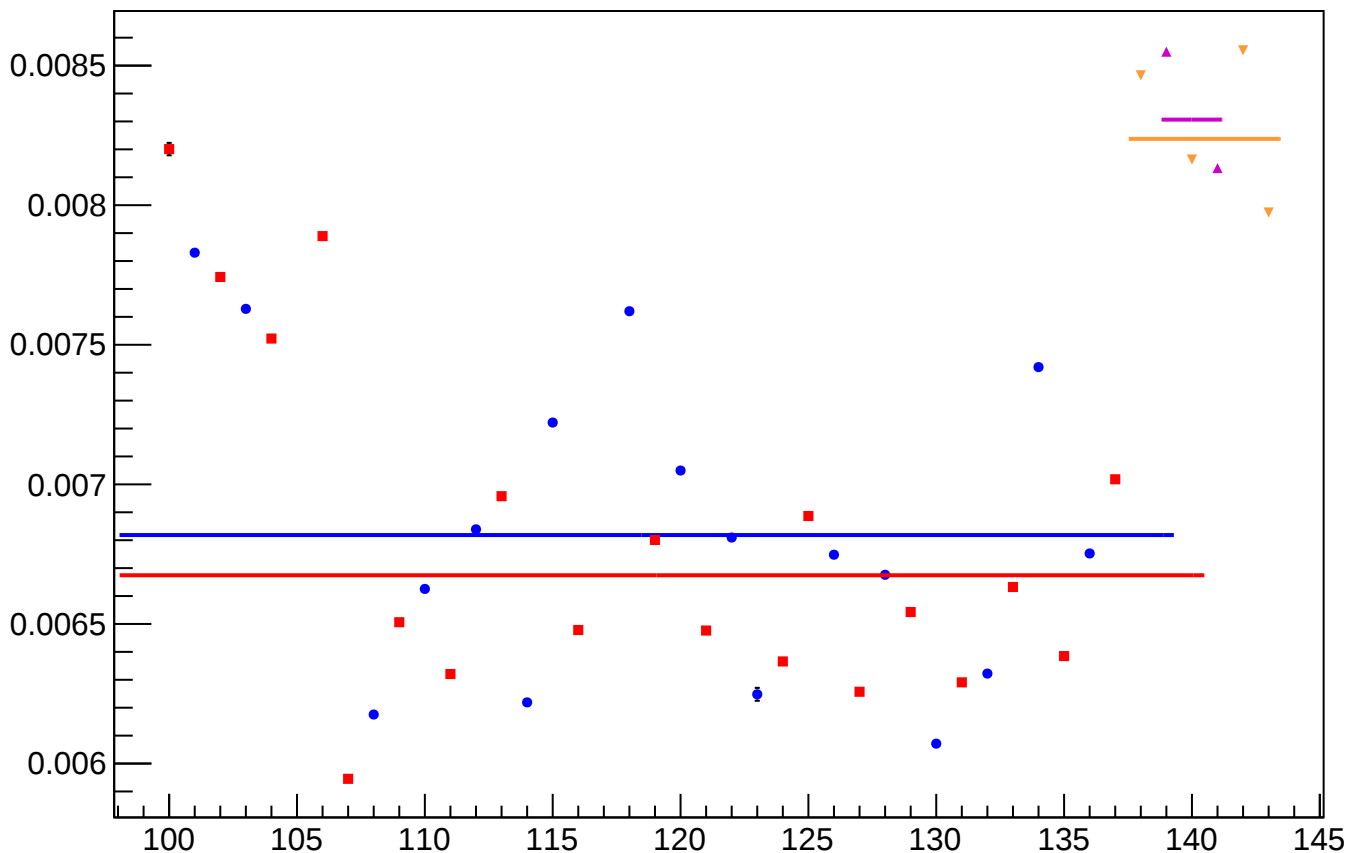
Right: 1.977+/-0.000 χ^2/NDF : 33985983843.8/35

In: 1.976+/-0.000 χ^2/NDF : 13684881384.2/18

Out: 1.898+/-0.000 χ^2/NDF : 22987893692.9/22

All: 1.934+/-0.000 χ^2/NDF : 37191302212.1/4

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 76886.5/16

Left Out: 0.008+/-0.000 χ^2/NDF :3798.8/3

Right Out: 0.007+/-0.000 χ^2/NDF : 76755.5/18

Left In: 0.008+/-0.000 χ^2/NDF :1794.2/1

Left: 0.008+/-0.000 χ^2/NDF : 5722.0/5

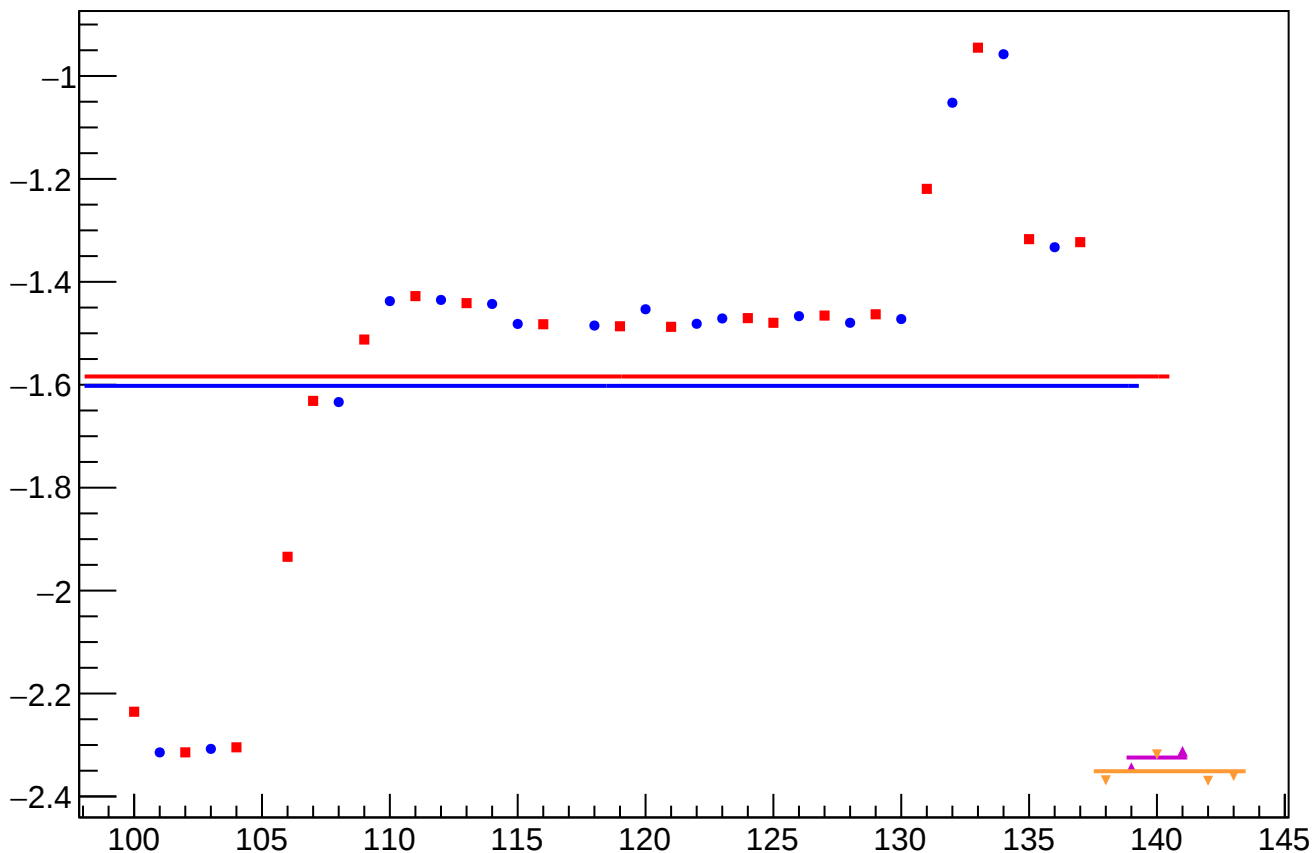
Right: 0.007+/-0.000 χ^2/NDF : 156621.0/35

In: 0.007+/-0.000 χ^2/NDF :160034.0/18

Out: 0.007+/-0.000 χ^2/NDF :227786.2/22

All: 0.007+/-0.000 χ^2/NDF : 388022.8/41

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.602 $\pm$ 0.000 χ^2 /NDF: 140170767010.0/16

Left Out: -2.351 $\pm$ 0.000 χ^2 /NDF: 150829387.6/3

Right Out: -1.584 $\pm$ 0.000 χ^2 /NDF: 143827090276.5/18

Left In: -2.324 $\pm$ 0.000 χ^2 /NDF: 43586667.9/1

Left: -2.341 $\pm$ 0.000 χ^2 /NDF: 275316601.0/5

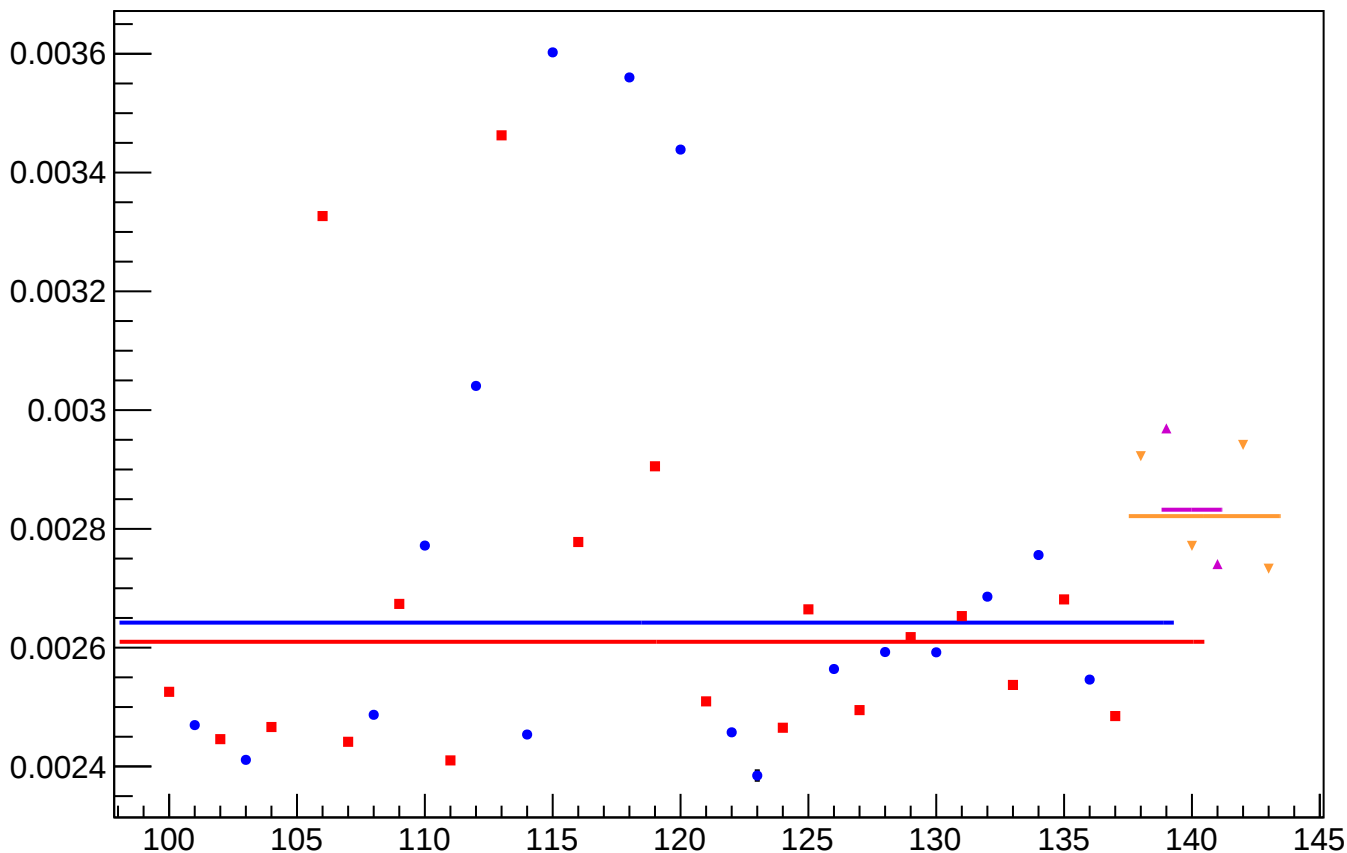
Right: -1.593 $\pm$ 0.000 χ^2 /NDF: 284153928526.3/35

In: -1.723 $\pm$ 0.000 χ^2 /NDF: 218240118928.7/18

Out: -1.771 $\pm$ 0.000 χ^2 /NDF: 284057434916.5/22

All: -1.749 $\pm$ 0.000 χ^2 /NDF: 503652105537.6

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF : 151919.2/16

Left Out: 0.003+/-0.000 χ^2/NDF : 4882.0/3

Right Out: 0.003+/-0.000 χ^2/NDF : 104781.3/18

Left In: 0.003+/-0.000 χ^2/NDF : 4501.6/1

Left: 0.003+/-0.000 χ^2/NDF : 9410.1/5

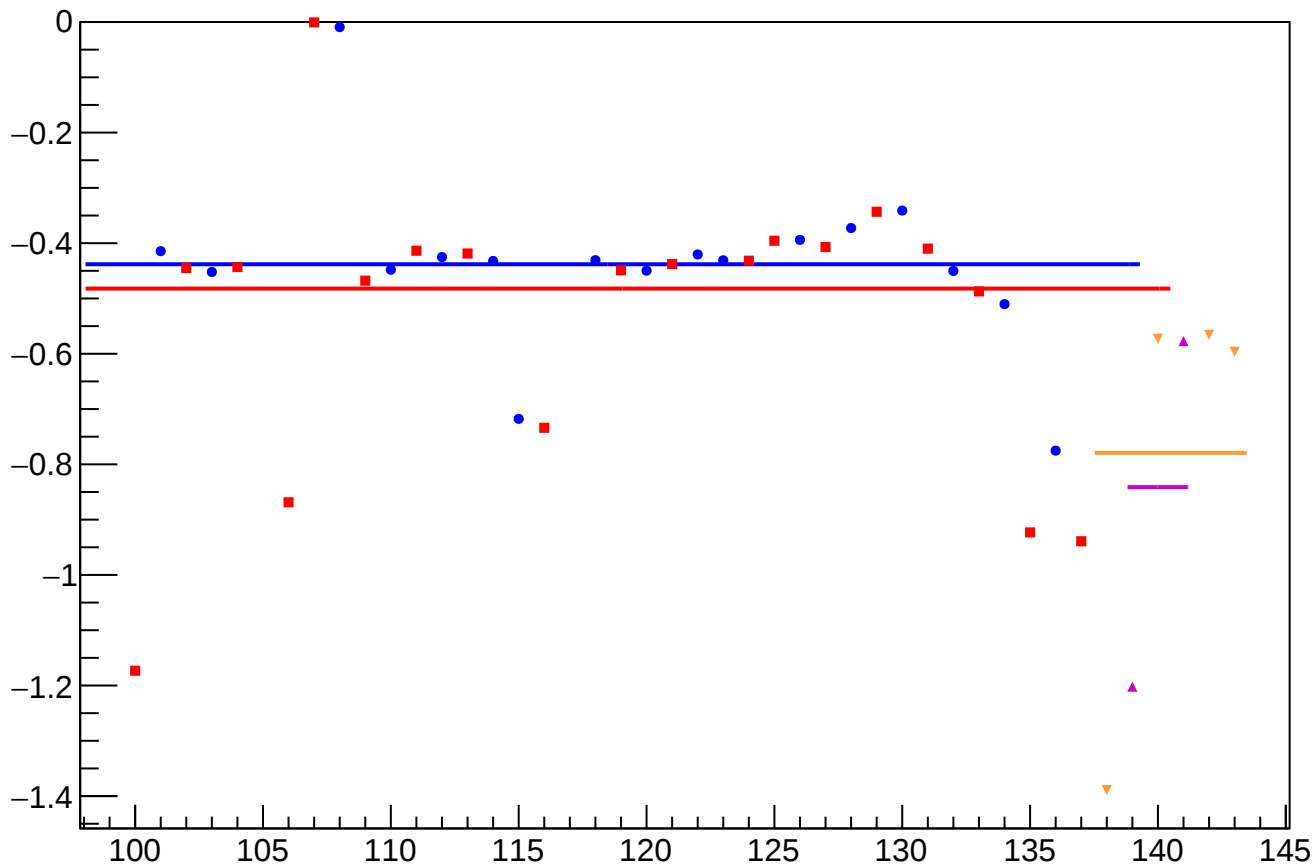
Right: 0.003+/-0.000 χ^2/NDF : 257674.4/35

In: 0.003+/-0.000 χ^2/NDF : 167236.4/18

Out: 0.003+/-0.000 χ^2/NDF : 130983.1/22

All: 0.003+/-0.000 χ^2/NDF : 298401.8/41

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.438 $\pm$ 0.000 χ^2/NDF : 1461198978.4/16

Left Out: -0.779 $\pm$ 0.000 χ^2/NDF : 1610213190.8/3

Right Out: -0.482 $\pm$ 0.000 χ^2/NDF : 2693383941.7/18

Left In: -0.841 $\pm$ 0.000 χ^2/NDF : 724684186.7/1

Left: -0.802 $\pm$ 0.000 χ^2/NDF : 2353457989.1/5

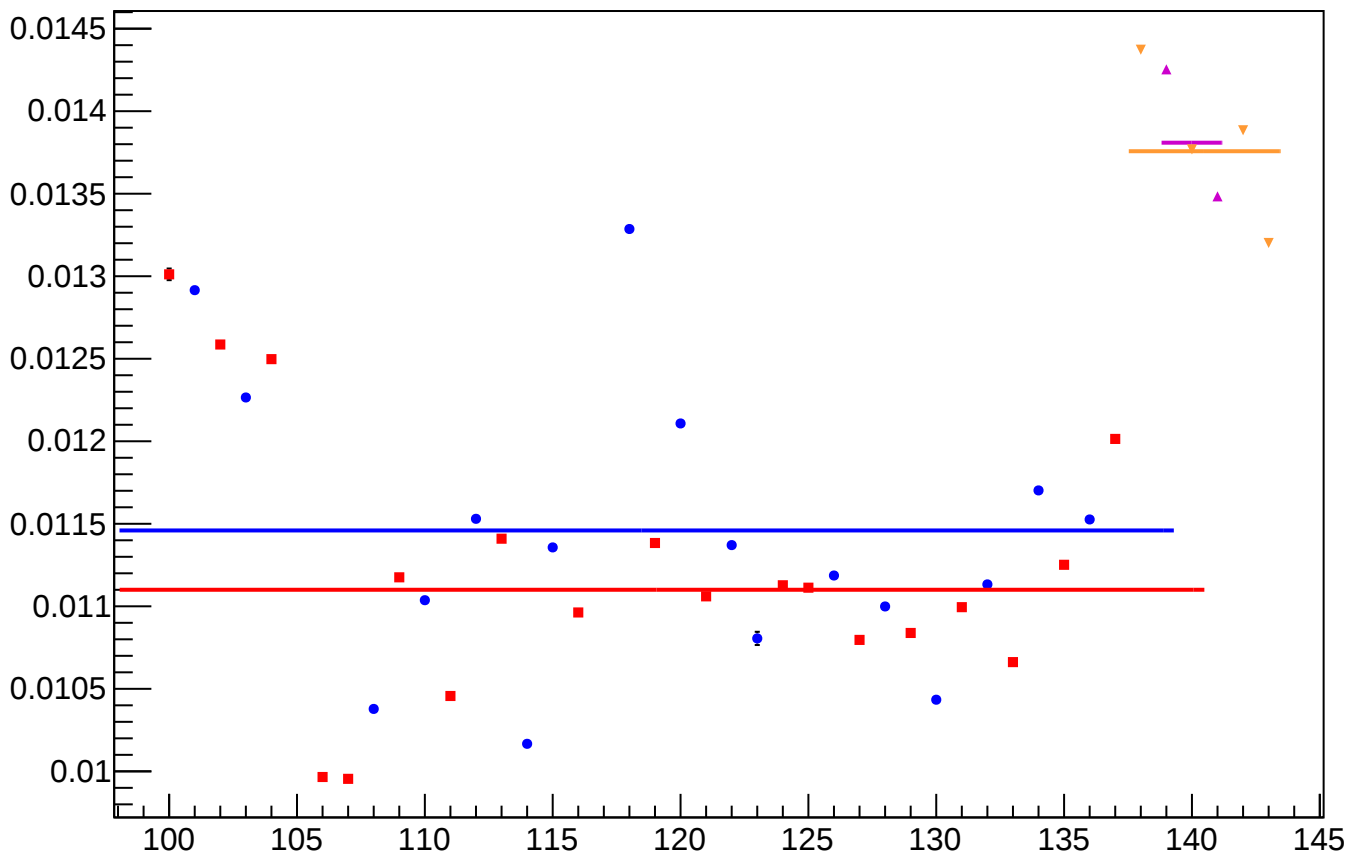
Right: -0.462 $\pm$ 0.000 χ^2/NDF : 4205367960.5/35

In: -0.492 $\pm$ 0.000 χ^2/NDF : 3255748622.6/18

Out: -0.539 $\pm$ 0.000 χ^2/NDF : 5253813504.7/22

All: -0.518 $\pm$ 0.000 χ^2/NDF : 8578454641.9/4

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 64588.0/16

Left Out: 0.014+/-0.000 χ^2/NDF : 5112.5/3

Right Out: 0.011+/-0.000 χ^2/NDF : 56096.3/18

Left In: 0.014+/-0.000 χ^2/NDF : 2198.3/1

Left: 0.014+/-0.000 χ^2/NDF : 7336.6/5

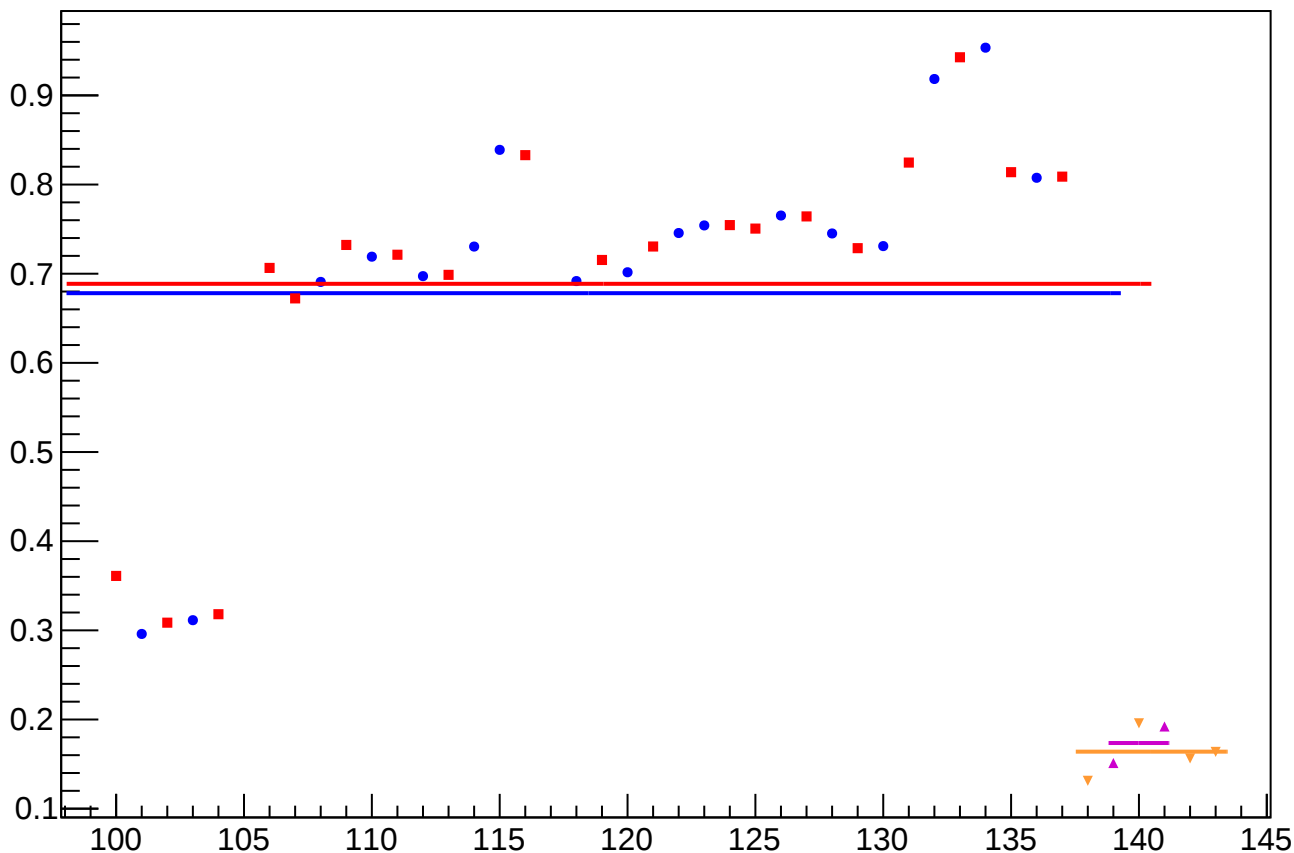
Right: 0.011+/-0.000 χ^2/NDF : 127449.6/35

In: 0.012+/-0.000 χ^2/NDF : 139490.7/18

Out: 0.012+/-0.000 χ^2/NDF : 213212.1/22

All: 0.012+/-0.000 χ^2/NDF : 354397.4/41

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.678+/-0.000 χ^2/NDF : 38485337866.0/16

Left Out: 0.164+/-0.000 χ^2/NDF : 374013694.5/3

Right Out: 0.689+/-0.000 χ^2/NDF : 35296354242.4/18

Left In: 0.174+/-0.000 χ^2/NDF : 147095783.2/1

Left: 0.167+/-0.000 χ^2/NDF : 542421382.4/5

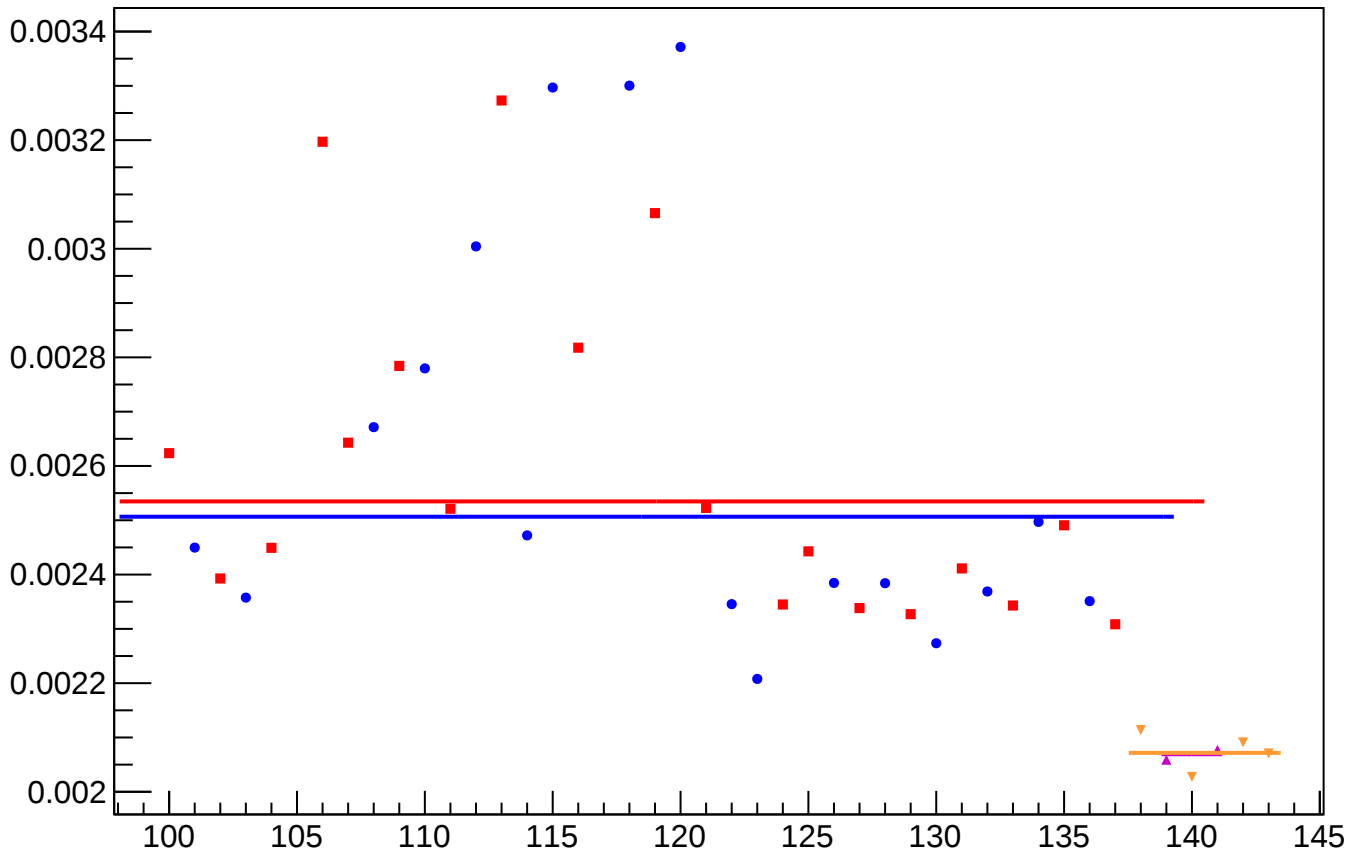
Right: 0.683+/-0.000 χ^2/NDF : 73838176834.0/35

In: 0.547+/-0.000 χ^2/NDF : 105310792184.3/18

Out: 0.490+/-0.000 χ^2/NDF : 143861977406.7/22

All: 0.516+/-0.000 χ^2/NDF : 251615831902.4

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF : 174398.1/16

Left Out: 0.002+/-0.000 χ^2/NDF :1401.7/3

Right Out: 0.003+/-0.000 χ^2/NDF : 131675.7/18

Left In: 0.002+/-0.000 χ^2/NDF :58.0/1

Left: 0.002+/-0.000 χ^2/NDF : 1462.7/5

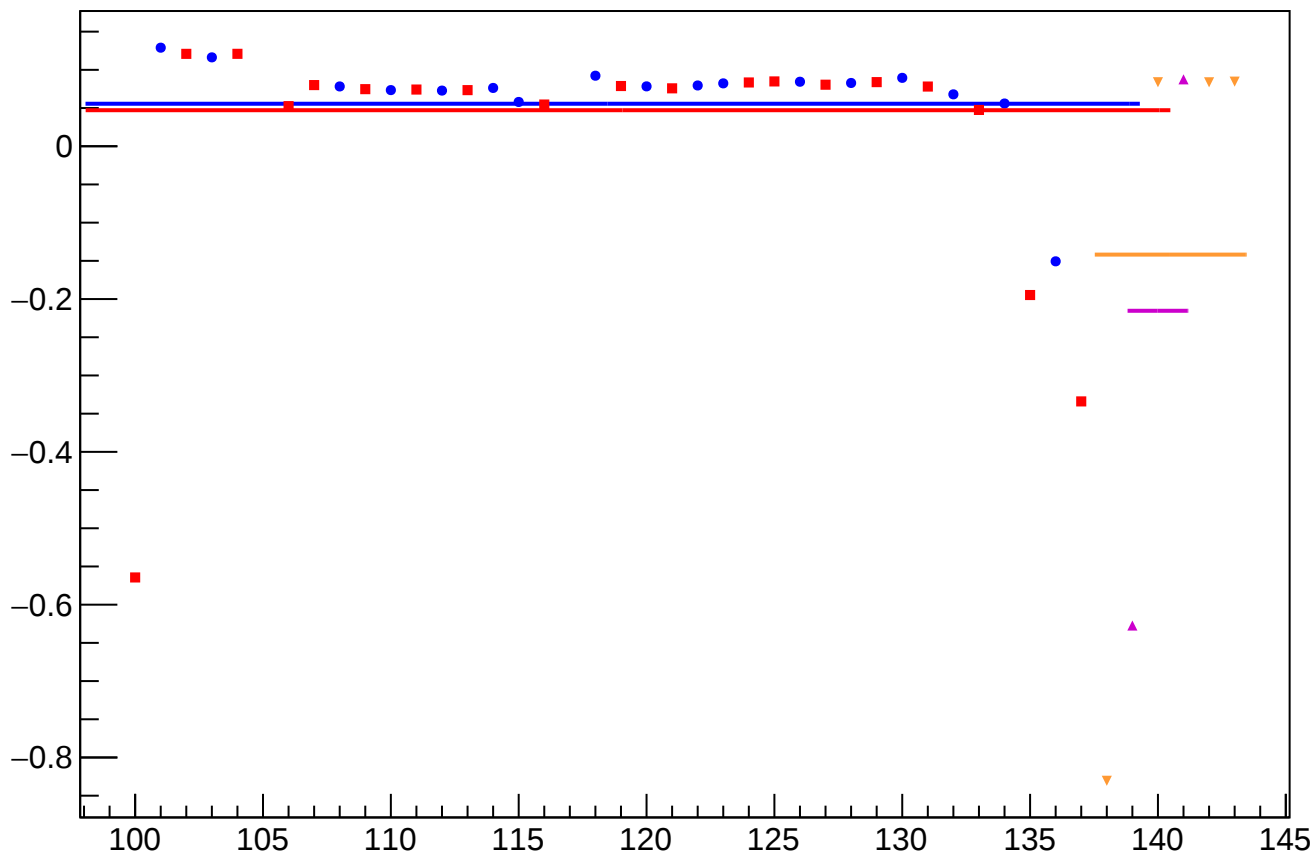
Right: 0.003+/-0.000 χ^2/NDF : 306887.9/35

In: 0.002+/-0.000 χ^2/NDF :274705.5/18

Out: 0.002+/-0.000 χ^2/NDF :301591.6/22

All: 0.002+/-0.000 χ^2/NDF : 577976.0/41

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.056+/-0.000 χ^2/NDF : 422754930.4/16

Left Out: -0.142+/-0.000 χ^2/NDF : 2548333672.4/3

Right Out: 0.047+/-0.000 χ^2/NDF : 819330612.8/18

Left In: -0.215+/-0.000 χ^2/NDF : 1167056650.4/1

Left: -0.169+/-0.000 χ^2/NDF : 3747574837.8/5

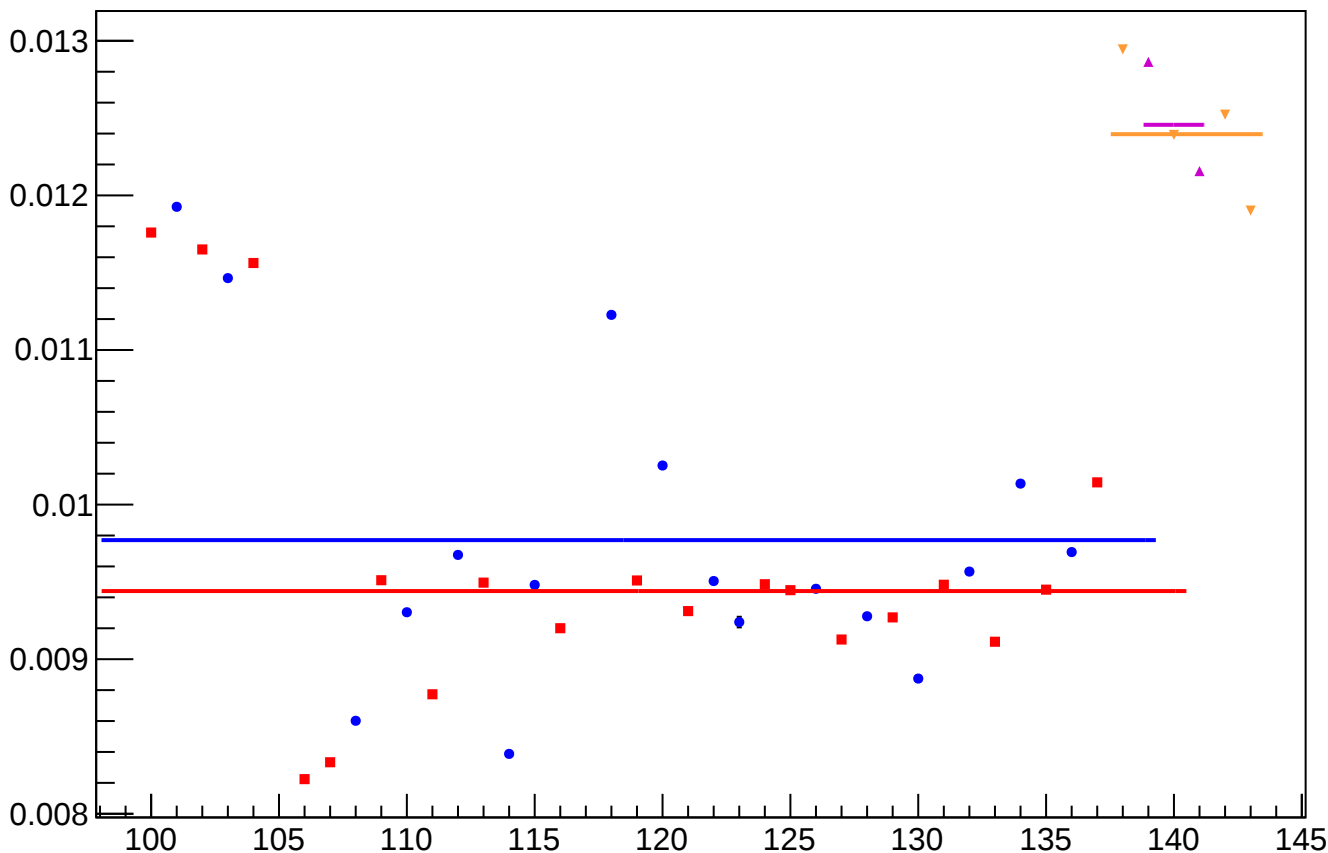
Right: 0.051+/-0.000 χ^2/NDF : 1244662333.3/35

In: 0.023+/-0.000 χ^2/NDF : 2192634635.9/18

Out: 0.014+/-0.000 χ^2/NDF : 3850237555.4/22

All: 0.018+/-0.000 χ^2/NDF : 6045874232.6/41

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010 $\pm$ 0.000 χ^2/NDF : 116013.9/16

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF : 5007.3/3

Right Out: 0.009 $\pm$ 0.000 χ^2/NDF : 110651.6/18

Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 2280.8/1

Left: 0.012 $\pm$ 0.000 χ^2/NDF : 7331.8/5

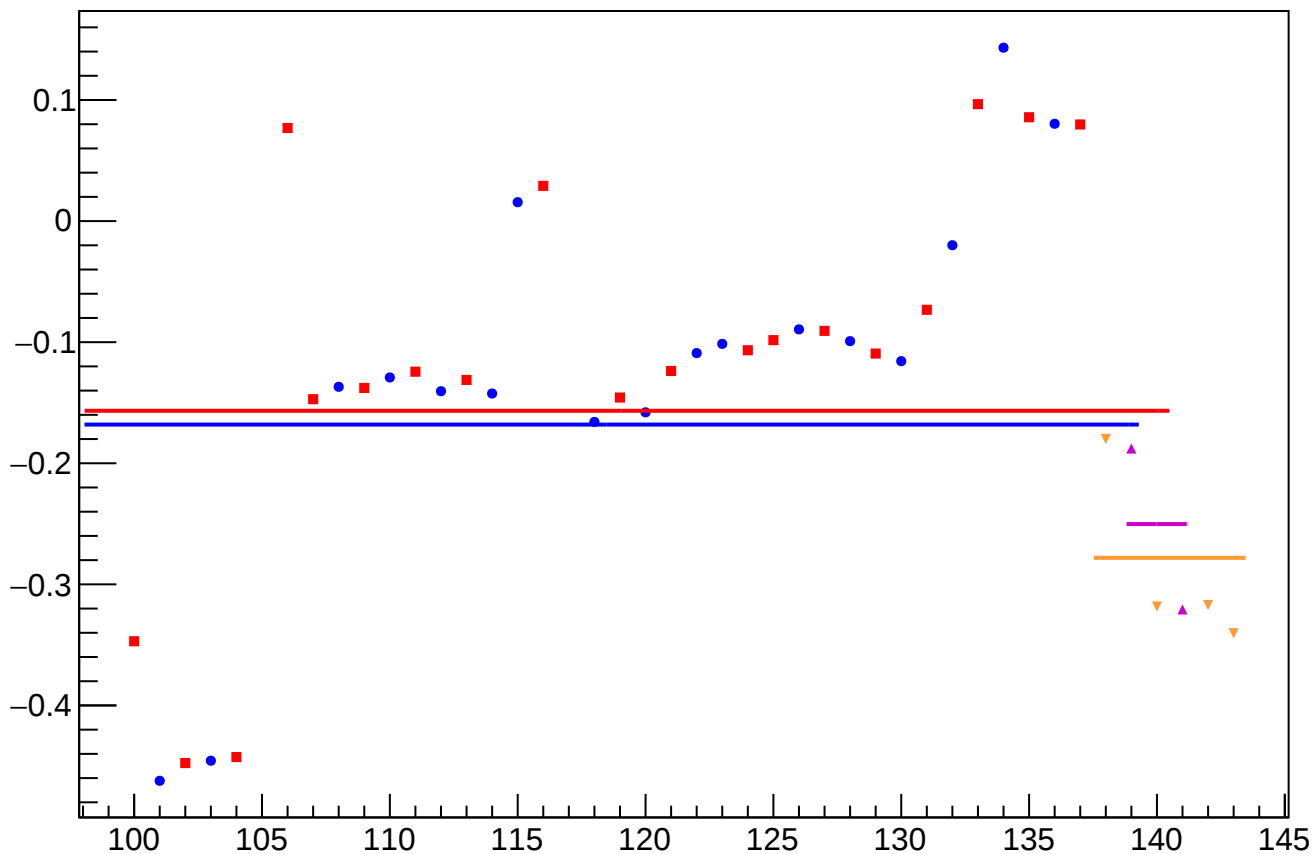
Right: 0.010 $\pm$ 0.000 χ^2/NDF : 234461.4/35

In: 0.010 $\pm$ 0.000 χ^2/NDF : 236789.0/18

Out: 0.010 $\pm$ 0.000 χ^2/NDF : 351684.3/22

All: 0.010 $\pm$ 0.000 χ^2/NDF : 590130.1/41

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.168+/-0.000 χ^2/NDF : 12330177160.8/16

Left Out: -0.278+/-0.000 χ^2/NDF : 1358282129.1/3

Right Out: -0.157+/-0.000 χ^2/NDF : 11031837915.5/18

Left In: -0.250+/-0.000 χ^2/NDF : 753976370.4/1

Left: -0.268+/-0.000 χ^2/NDF : 2195315996.2/5

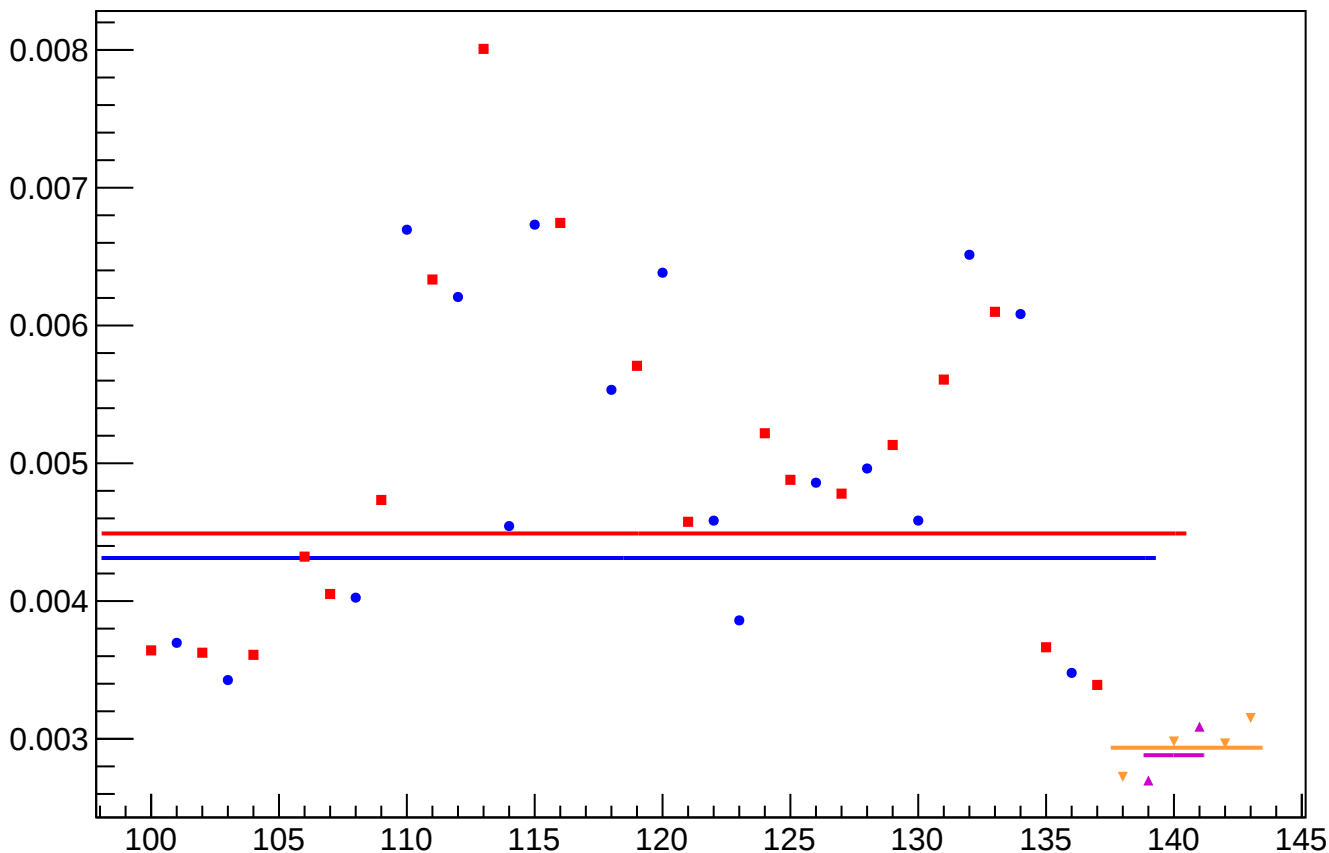
Right: -0.162+/-0.000 χ^2/NDF : 23382079796.3/35

In: -0.197+/-0.000 χ^2/NDF : 13830581534.3/18

Out: -0.215+/-0.000 χ^2/NDF : 14569129948.5/22

All: -0.207+/-0.000 χ^2/NDF : 28483105631.7/7

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 618348.9/16

Left Out: 0.003+/-0.000 χ^2/NDF :15157.3/3

Right Out: 0.004+/-0.000 χ^2/NDF : 639258.5/18

Left In: 0.003+/-0.000 χ^2/NDF :13040.7/1

Left: 0.003+/-0.000 χ^2/NDF : 28827.1/5

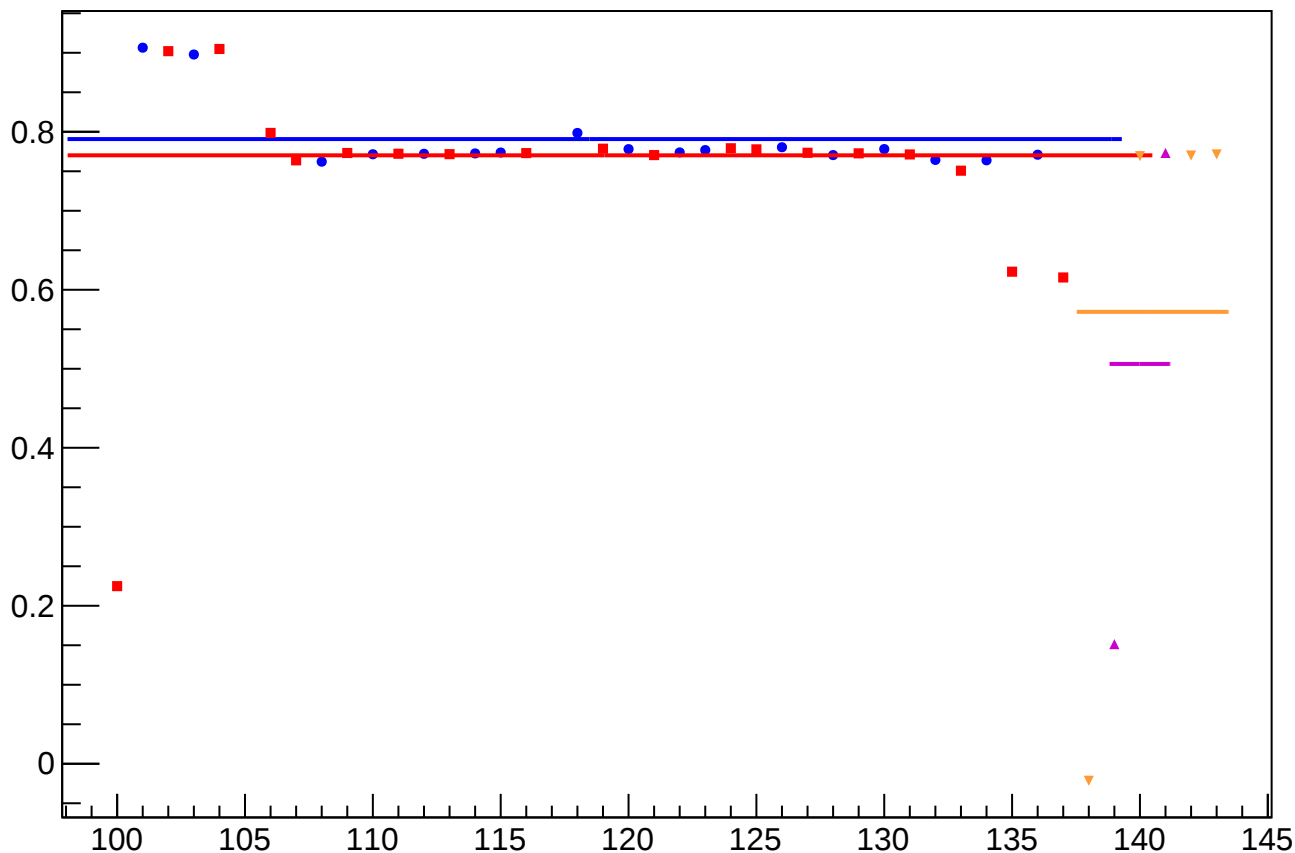
Right: 0.004+/-0.000 χ^2/NDF : 1267420.4/35

In: 0.004+/-0.000 χ^2/NDF :1084262.3/18

Out: 0.004+/-0.000 χ^2/NDF :1369176.1/22

All: 0.004+/-0.000 χ^2/NDF : 2455348.7/41

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.791+/-0.000 χ^2/NDF : 106680493.2/16

Left Out: 0.572+/-0.000 χ^2/NDF : 2073855036.1/3

Right Out: 0.770+/-0.000 χ^2/NDF : 375430167.7/18

Left In: 0.506+/-0.000 χ^2/NDF : 951351657.8/1

Left: 0.548+/-0.000 χ^2/NDF : 3053036843.4/5

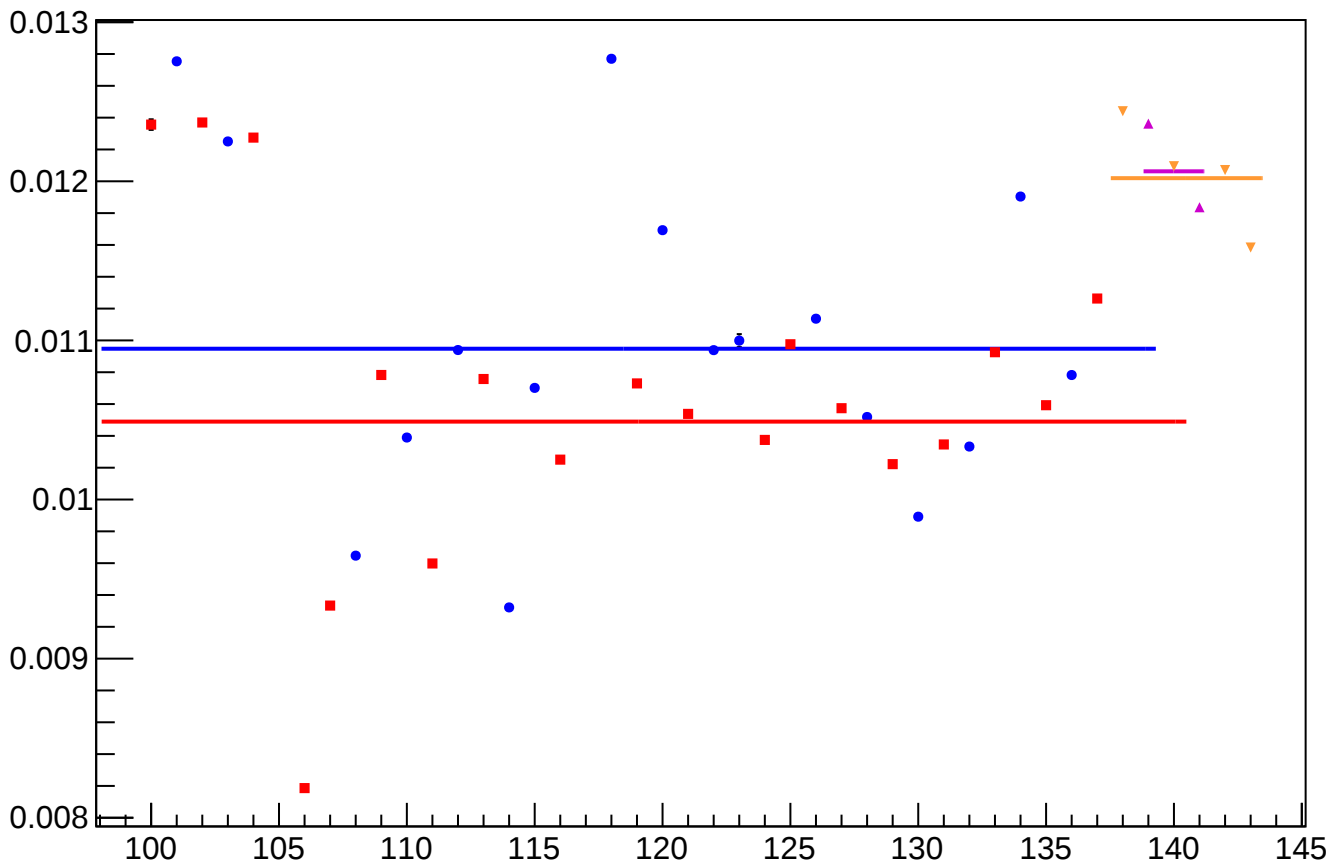
Right: 0.780+/-0.000 χ^2/NDF : 494308734.2/35

In: 0.746+/-0.000 χ^2/NDF : 1743355871.5/18

Out: 0.727+/-0.000 χ^2/NDF : 2989091397.8/22

All: 0.735+/-0.000 χ^2/NDF : 4745547749.5/41

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011 $\pm$ 0.000 χ^2/NDF : 98019.2/16

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF :3700.7/3

Right Out: 0.010 $\pm$ 0.000 χ^2/NDF : 119502.0/18

Left In: 0.012 $\pm$ 0.000 χ^2/NDF :1359.3/1

Left: 0.012 $\pm$ 0.000 χ^2/NDF : 5083.6/5

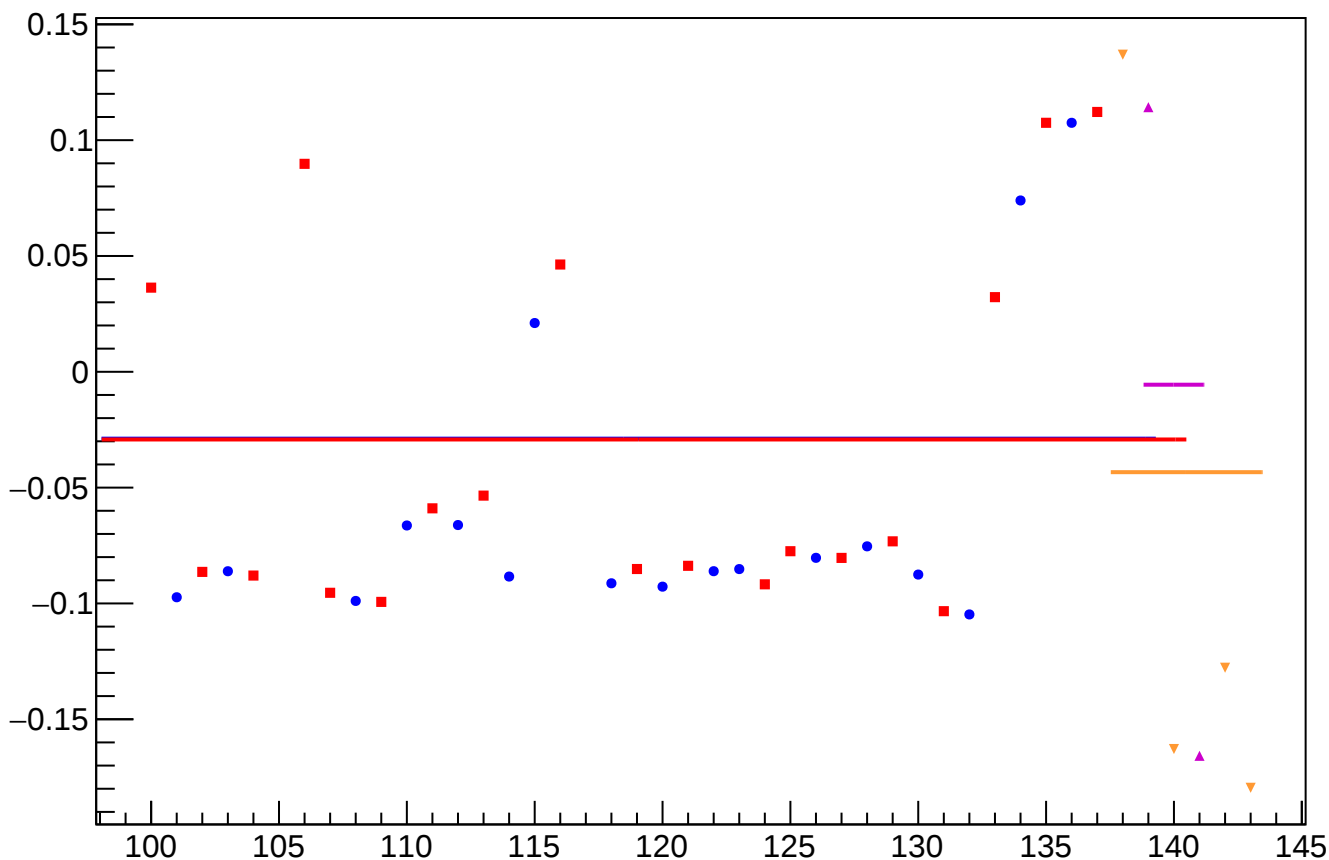
Right: 0.011 $\pm$ 0.000 χ^2/NDF : 229626.3/35

In: 0.011 $\pm$ 0.000 χ^2/NDF :120405.3/18

Out: 0.011 $\pm$ 0.000 χ^2/NDF :187576.2/22

All: 0.011 $\pm$ 0.000 χ^2/NDF : 314256.4/41

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -0.029 ± 0.000 $\chi^2/\text{NDF}: 2444911330.9/16$

Left Out: -0.043 ± 0.000 $\chi^2/\text{NDF}: 4410504535.7/3$

Right Out: -0.029 ± 0.000 $\chi^2/\text{NDF}: 2120368017.0/18$

Left In: -0.006 ± 0.000 $\chi^2/\text{NDF}: 2396353146.1/1$

Left: -0.029 ± 0.000 $\chi^2/\text{NDF}: 6917712470.9/5$

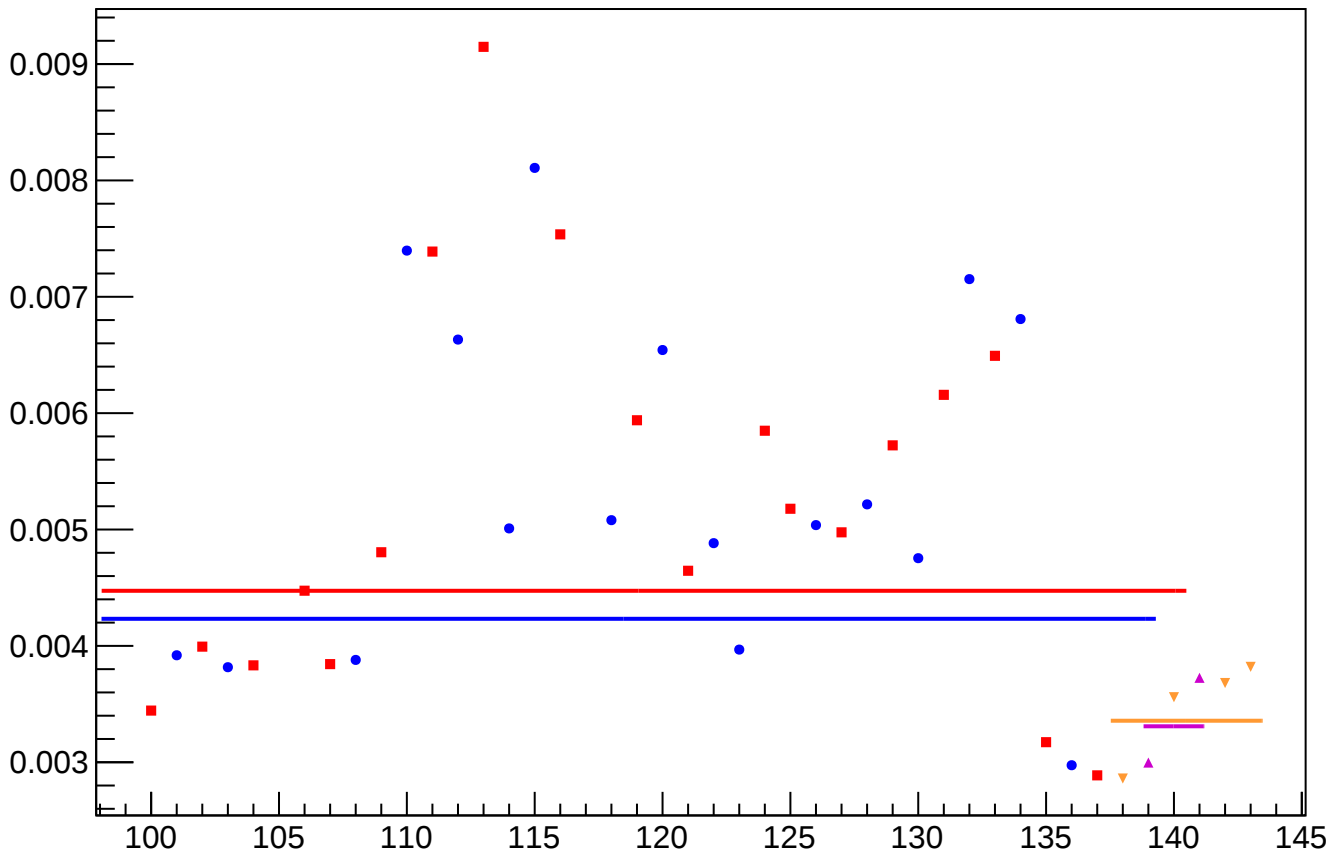
Right: -0.029 ± 0.000 $\chi^2/\text{NDF}: 4565297950.1/35$

In: -0.022 ± 0.000 $\chi^2/\text{NDF}: 4889285818.8/18$

Out: -0.035 ± 0.000 $\chi^2/\text{NDF}: 6554921121.7/22$

All: -0.029 ± 0.000 $\chi^2/\text{NDF}: 11483010967.2/1$

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 877339.5/16

Left Out: 0.003+/-0.000 χ^2/NDF : 69482.6/3

Right Out: 0.004+/-0.000 χ^2/NDF : 969342.1/18

Left In: 0.003+/-0.000 χ^2/NDF : 32433.0/1

Left: 0.003+/-0.000 χ^2/NDF : 102271.2/5

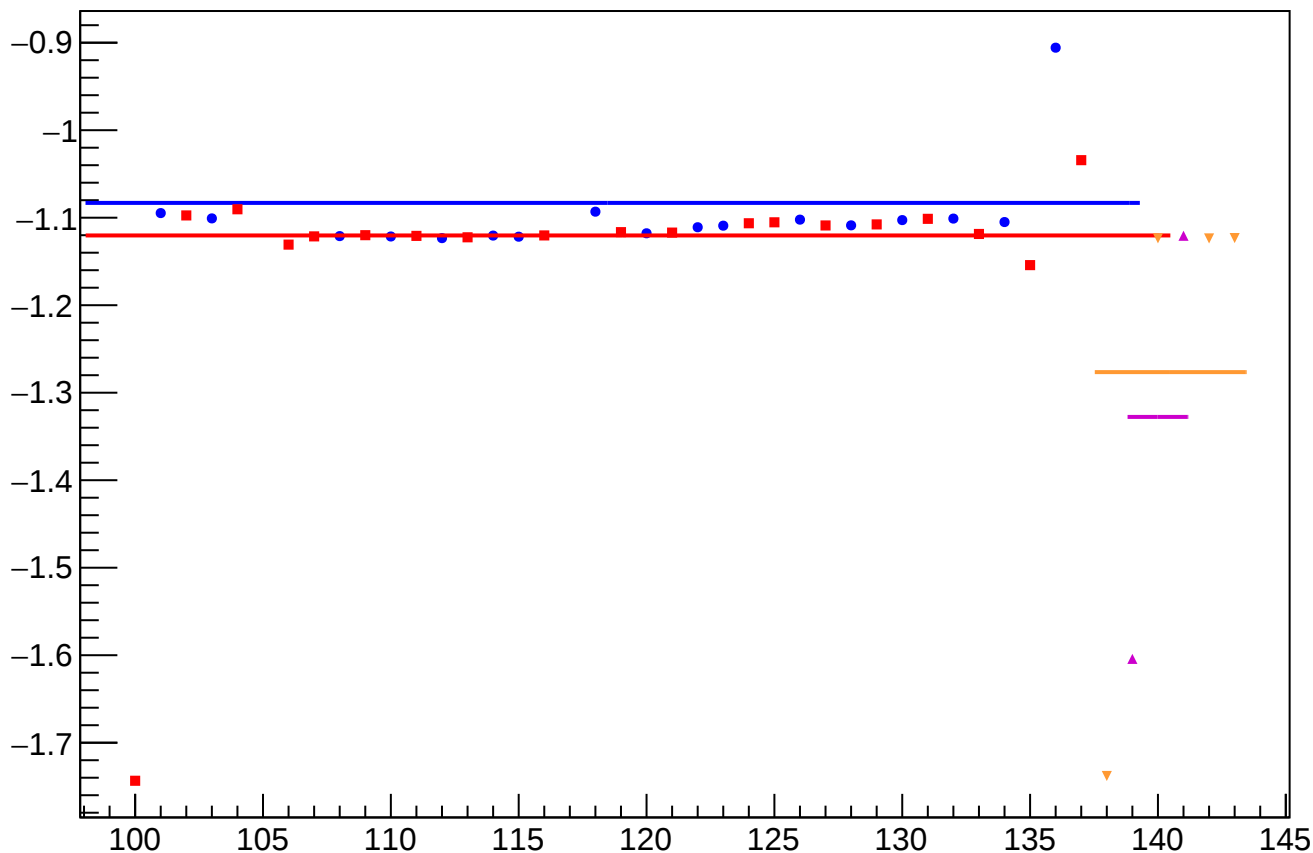
Right: 0.004+/-0.000 χ^2/NDF : 1863934.2/35

In: 0.004+/-0.000 χ^2/NDF : 1060828.8/18

Out: 0.004+/-0.000 χ^2/NDF : 1339986.5/22

All: 0.004+/-0.000 χ^2/NDF : 2401834.9/41

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -1.083+/-0.000 χ^2/NDF : 202851874.4/16

Left Out: -1.276+/-0.000 χ^2/NDF : 1563791495.2/3

Right Out: -1.120+/-0.000 χ^2/NDF : 220508408.4/18

Left In: -1.328+/-0.000 χ^2/NDF : 714730560.0/1

Left: -1.295+/-0.000 χ^2/NDF : 2299452415.3/5

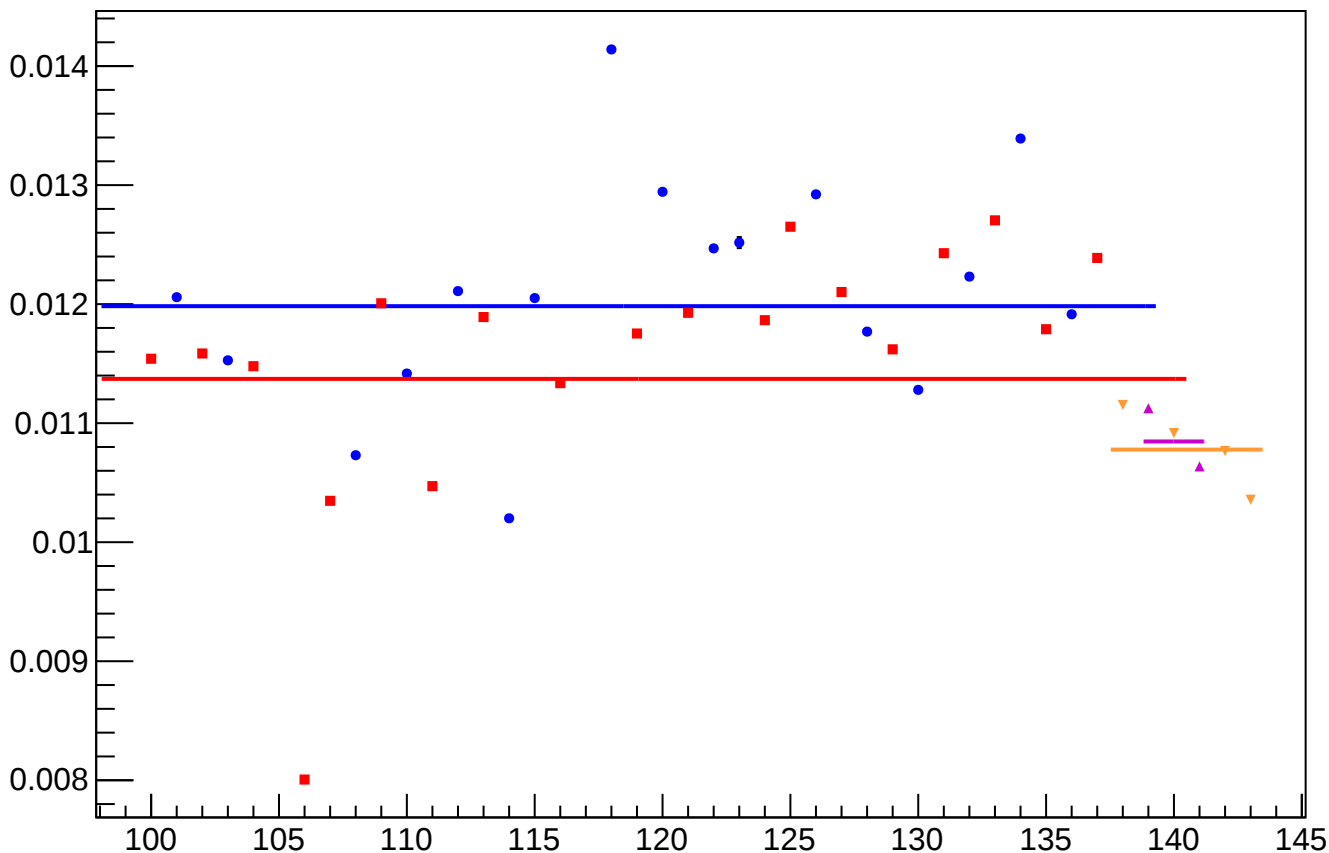
Right: -1.103+/-0.000 χ^2/NDF : 456843121.6/35

In: -1.137+/-0.000 χ^2/NDF : 1501344711.6/18

Out: -1.166+/-0.000 χ^2/NDF : 2164781588.2/22

All: -1.153+/-0.000 χ^2/NDF : 3695200824.1/4

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 58835.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:4230.0/3

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 152861.8/18

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:1459.1/1

Left: 0.011 $\pm$ 0.000 χ^2 /NDF: 5763.7/5

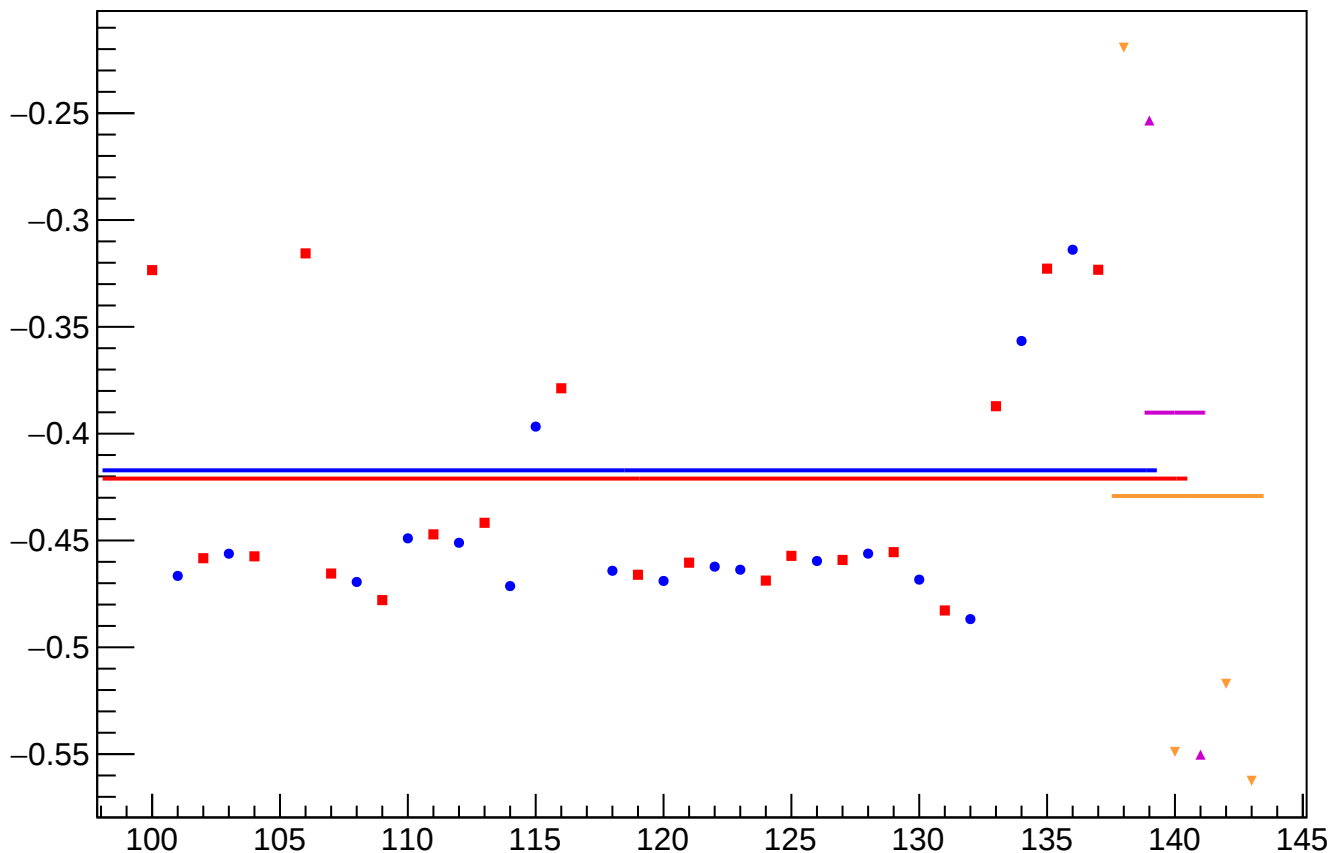
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 229751.2/35

In: 0.012 $\pm$ 0.000 χ^2 /NDF:85513.7/18

Out: 0.011 $\pm$ 0.000 χ^2 /NDF:168108.1/22

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 272405.0/41

yield_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -0.417+/-0.000 χ^2/NDF : 2038520950.9/16

Left Out: -0.429+/-0.000 χ^2/NDF : 4201420794.3/3

Right Out: -0.421+/-0.000 χ^2/NDF : 1654624022.3/18

Left In: -0.390+/-0.000 χ^2/NDF : 2206489651.8/1

Left: -0.415+/-0.000 χ^2/NDF : 6504124871.8/5

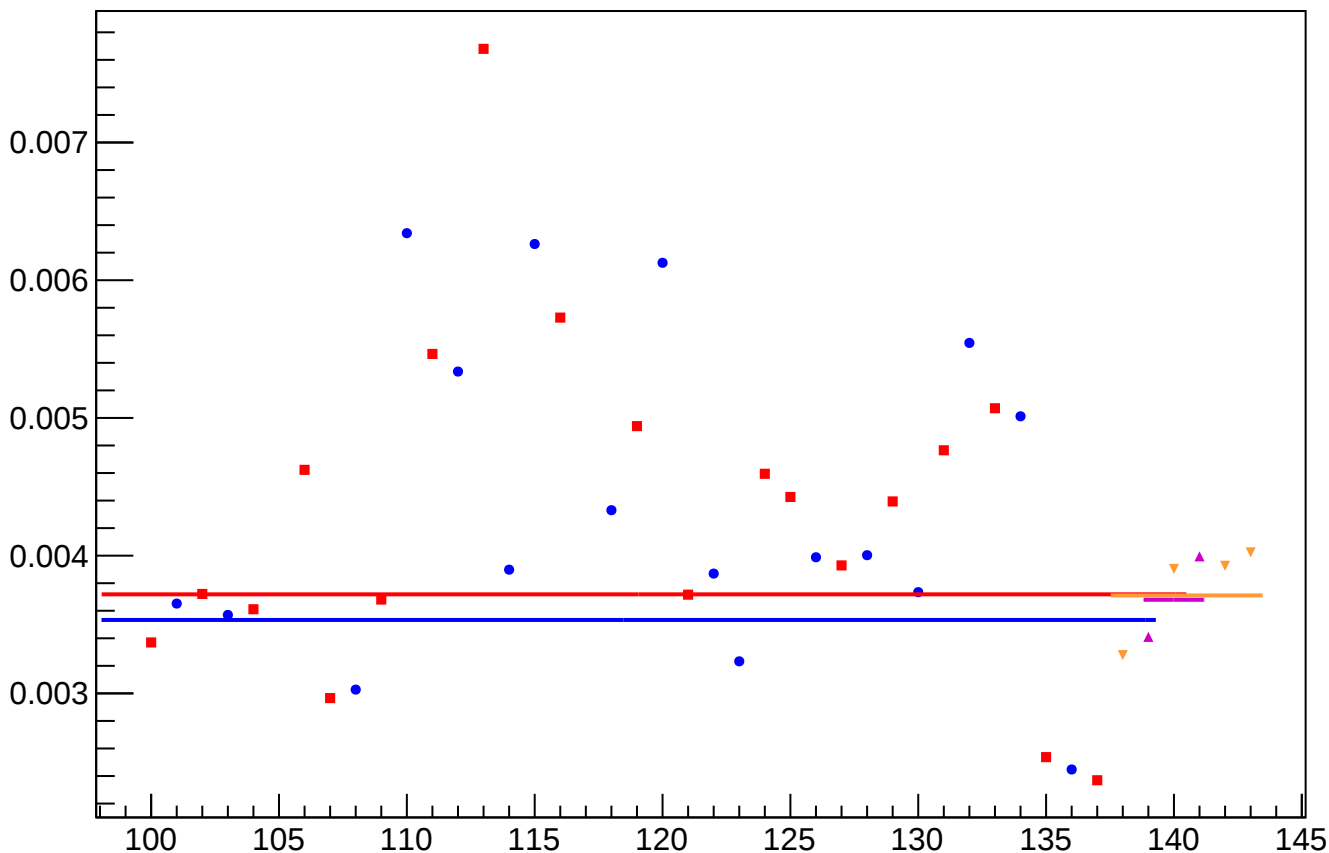
Right: -0.419+/-0.000 χ^2/NDF : 3696346160.6/35

In: -0.412+/-0.000 χ^2/NDF : 4304641534.9/18

Out: -0.423+/-0.000 χ^2/NDF : 5864096447.2/22

All: -0.418+/-0.000 χ^2/NDF : 10204531384.5/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004 $\pm$ 0.000 χ^2/NDF : 831496.7/16

Left Out: 0.004 $\pm$ 0.000 χ^2/NDF : 36233.3/3

Right Out: 0.004 $\pm$ 0.000 χ^2/NDF : 884778.0/18

Left In: 0.004 $\pm$ 0.000 χ^2/NDF : 17109.4/1

Left: 0.004 $\pm$ 0.000 χ^2/NDF : 53468.6/5

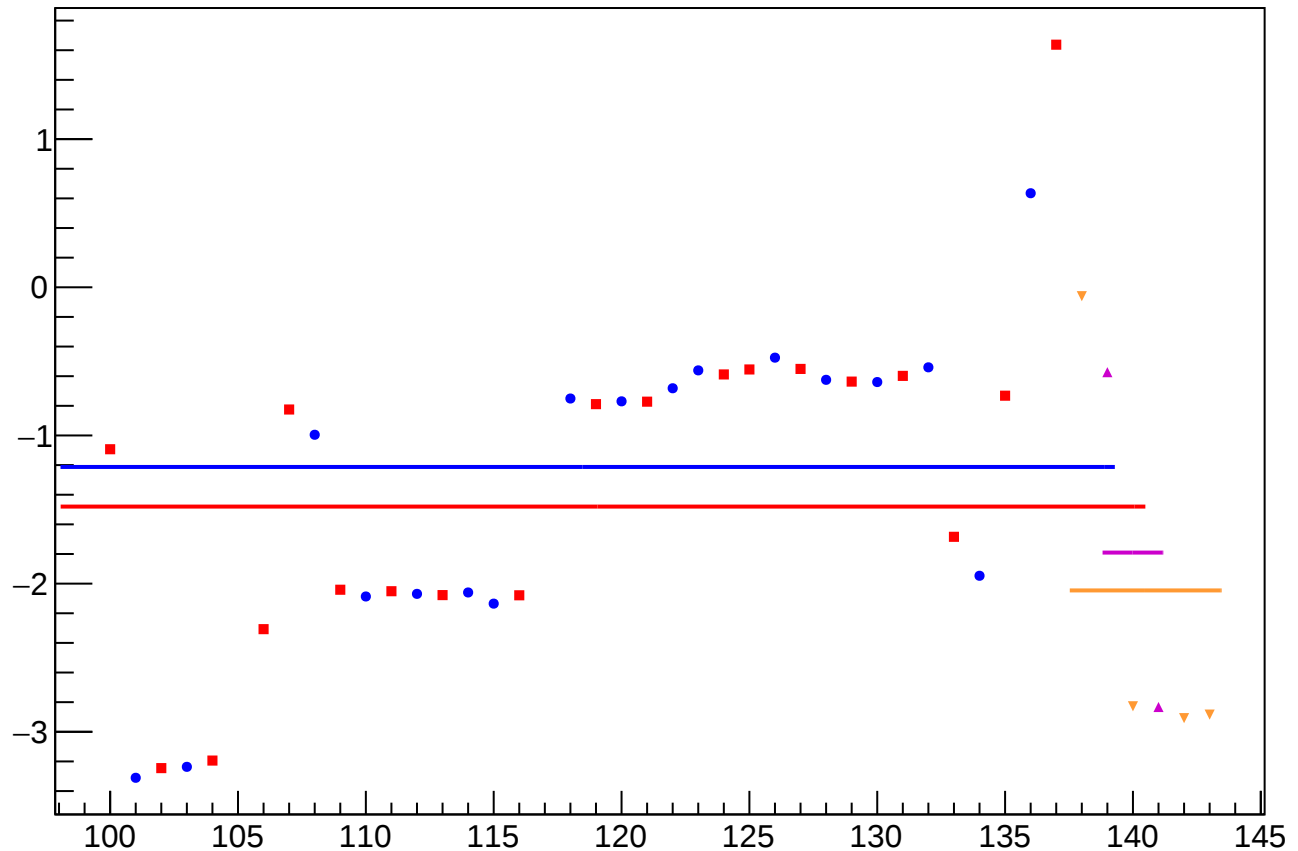
Right: 0.004 $\pm$ 0.000 χ^2/NDF : 1731087.2/35

In: 0.004 $\pm$ 0.000 χ^2/NDF : 852117.8/18

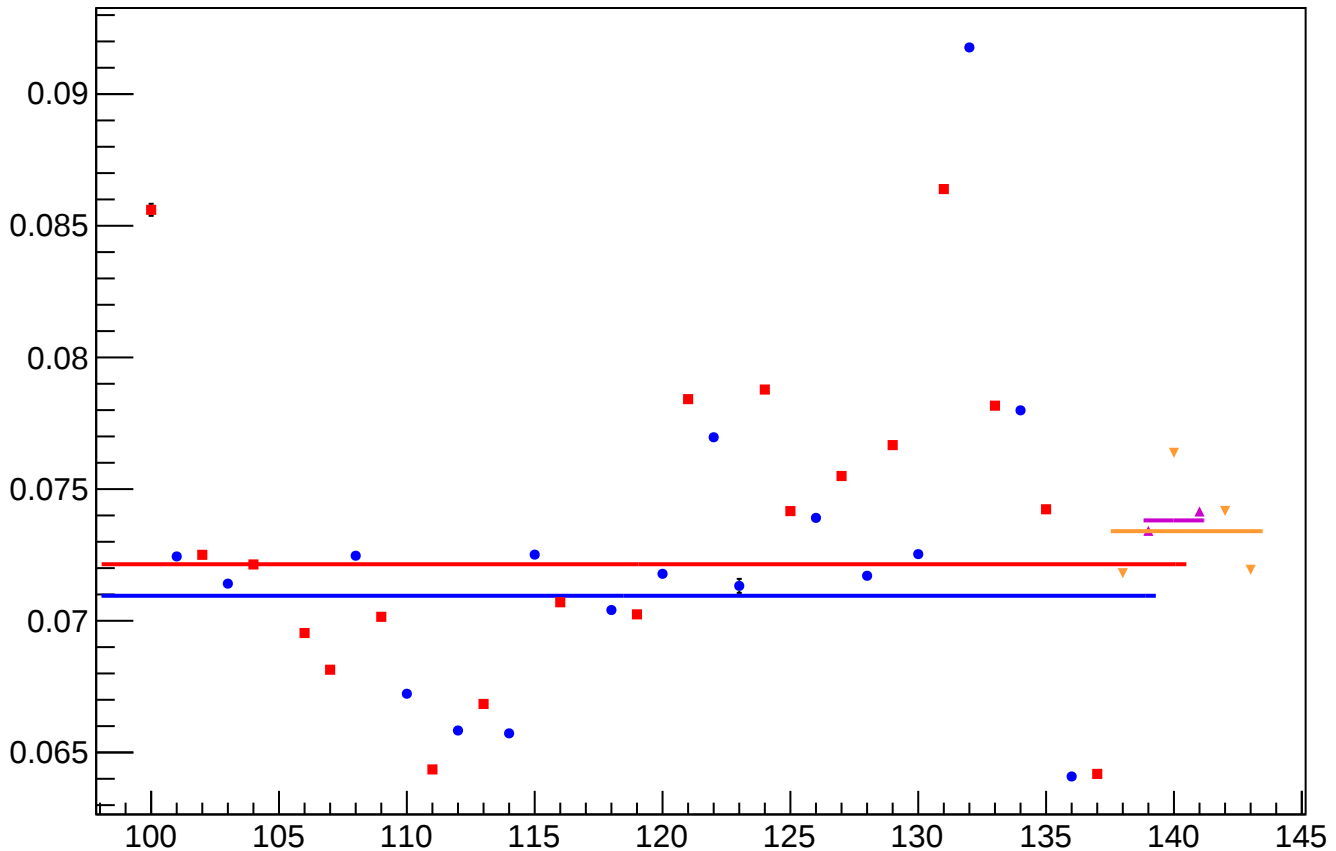
Out: 0.004 $\pm$ 0.000 χ^2/NDF : 921026.3/22

All: 0.004 $\pm$ 0.000 χ^2/NDF : 1786837.8/41

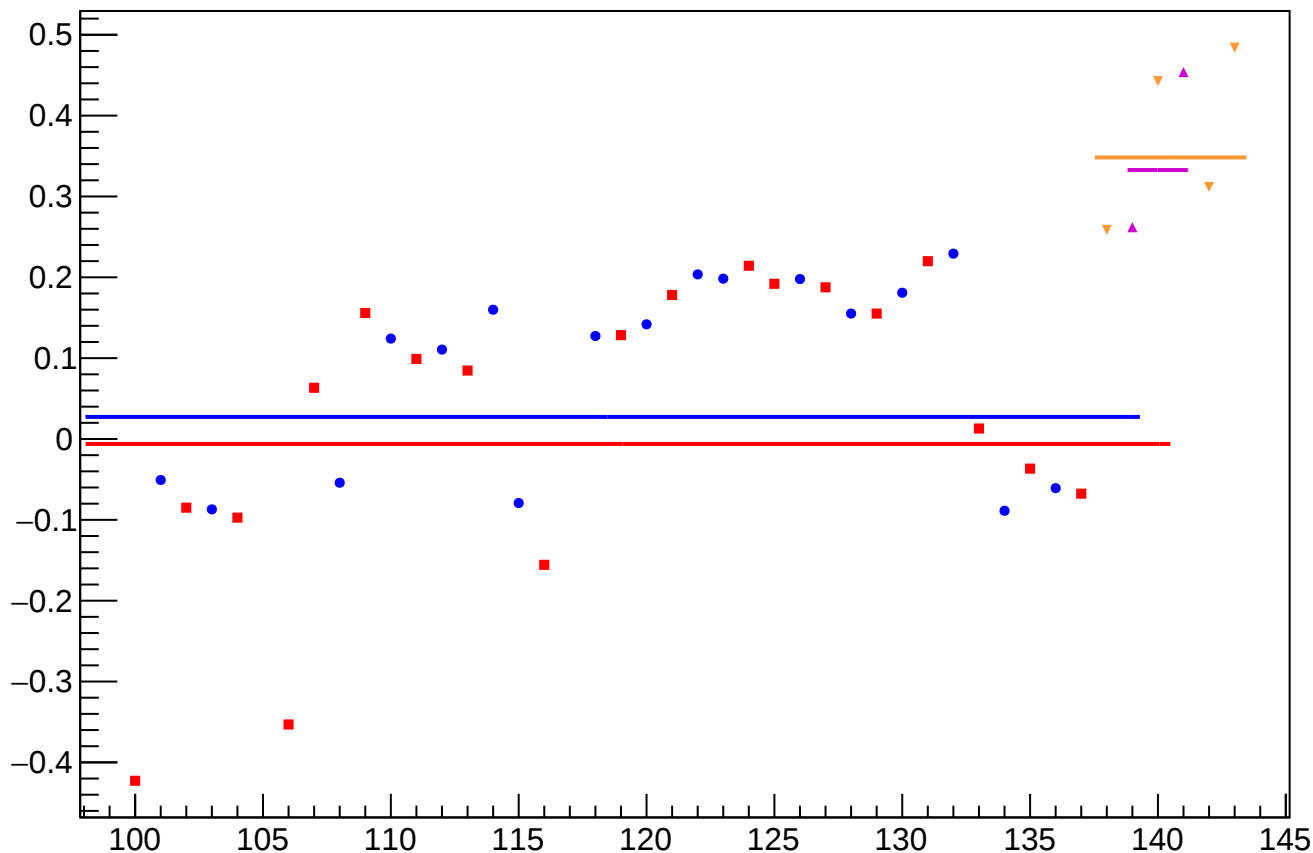
yield_bpm0r03X_mean vs Slug, Sign Corrected



yield_bpm0r03X_rms vs Slug, Sign Corrected



yield_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 0.027 $\pm$ 0.000 χ^2 /NDF: 562065478.3/16

Left Out: 0.348 $\pm$ 0.000 χ^2 /NDF: 356309616.7/3

Right Out: -0.006 $\pm$ 0.000 χ^2 /NDF: 1205303430.4/18

Left In: 0.333 $\pm$ 0.000 χ^2 /NDF: 207086680.0/1

Left: 0.342 $\pm$ 0.000 χ^2 /NDF: 566996965.5/5

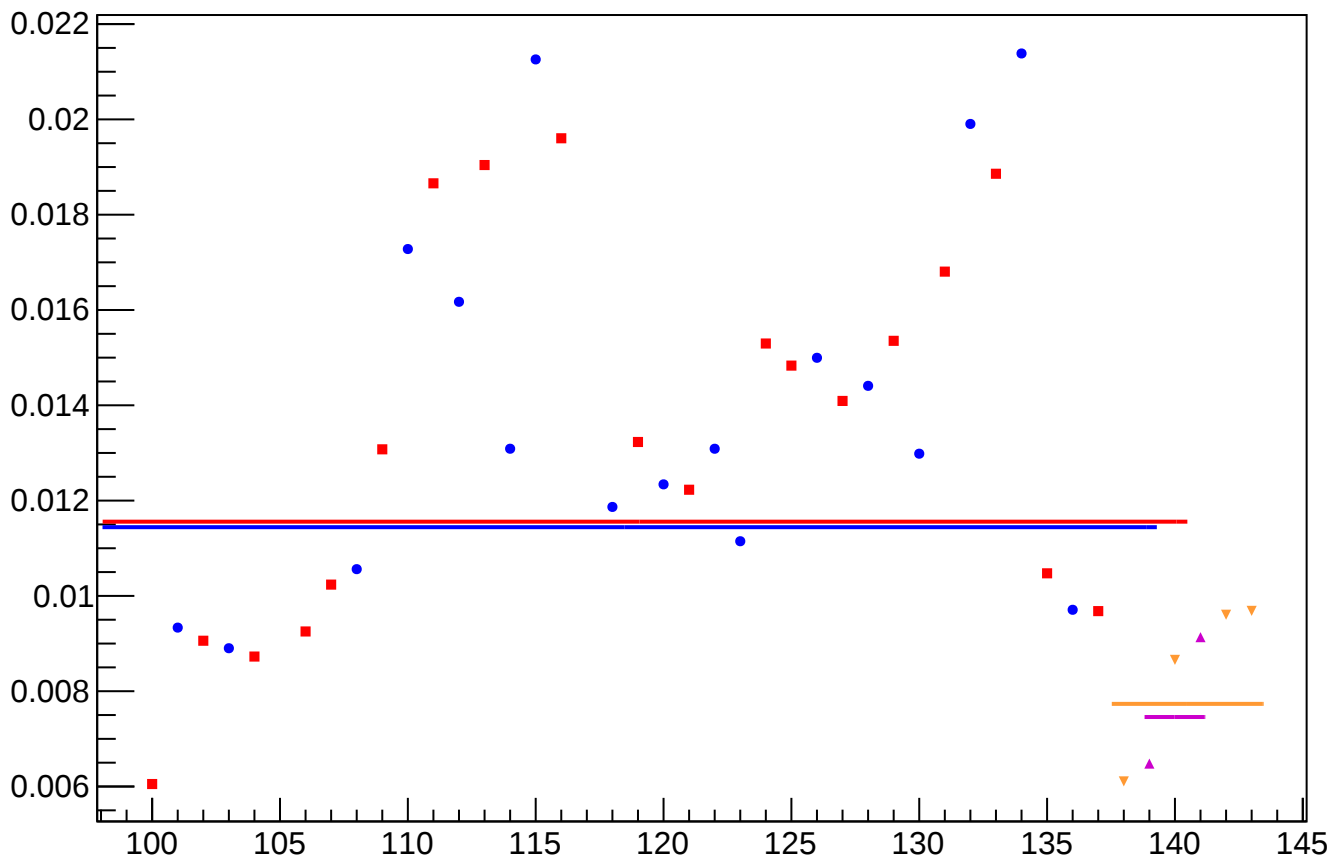
Right: 0.011 $\pm$ 0.000 χ^2 /NDF: 1791947690.0/35

In: 0.136 $\pm$ 0.000 χ^2 /NDF: 2220896644.6/18

Out: 0.158 $\pm$ 0.000 χ^2 /NDF: 4131817305.4/22

All: 0.148 $\pm$ 0.000 χ^2 /NDF: 6370027176.8/41

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 673738.1/16

Left Out: 0.008+/-0.000 χ^2/NDF :192394.5/3

Right Out: 0.012+/-0.000 χ^2/NDF : 979298.5/18

Left In: 0.007+/-0.000 χ^2/NDF :79166.9/1

Left: 0.008+/-0.000 χ^2/NDF : 273807.4/5

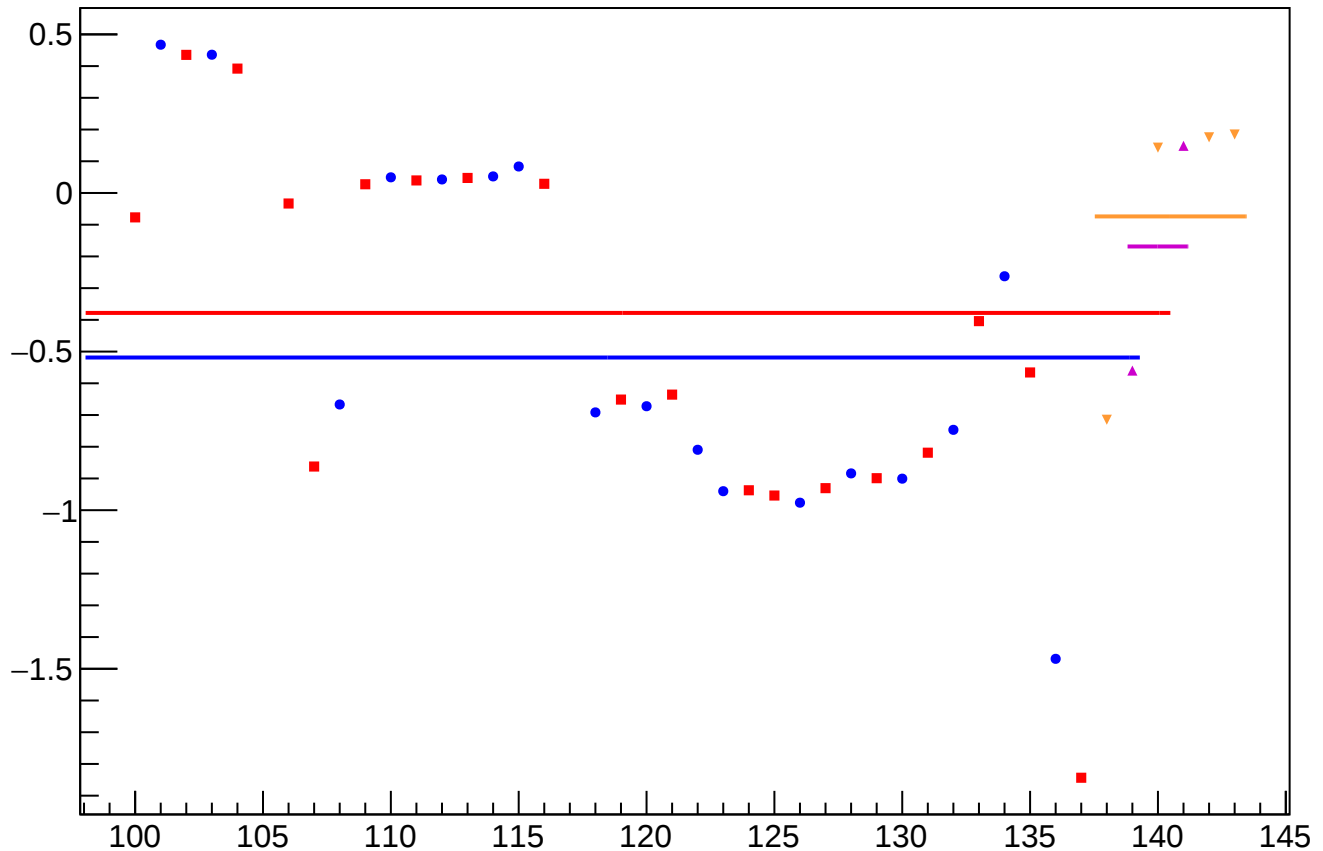
Right: 0.012+/-0.000 χ^2/NDF : 1653627.3/35

In: 0.010+/-0.000 χ^2/NDF :1247053.6/18

Out: 0.010+/-0.000 χ^2/NDF :1770161.5/22

All: 0.010+/-0.000 χ^2/NDF : 3021234.0/41

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.519 $\pm$ 0.000 χ^2/NDF : 338707442.0/16

Left Out: -0.074 $\pm$ 0.000 χ^2/NDF : 58402663.0/3

Right Out: -0.378 $\pm$ 0.000 χ^2/NDF : 267921889.8/18

Left In: -0.169 $\pm$ 0.000 χ^2/NDF : 26014247.2/1

Left: -0.108 $\pm$ 0.000 χ^2/NDF : 85627417.6/5

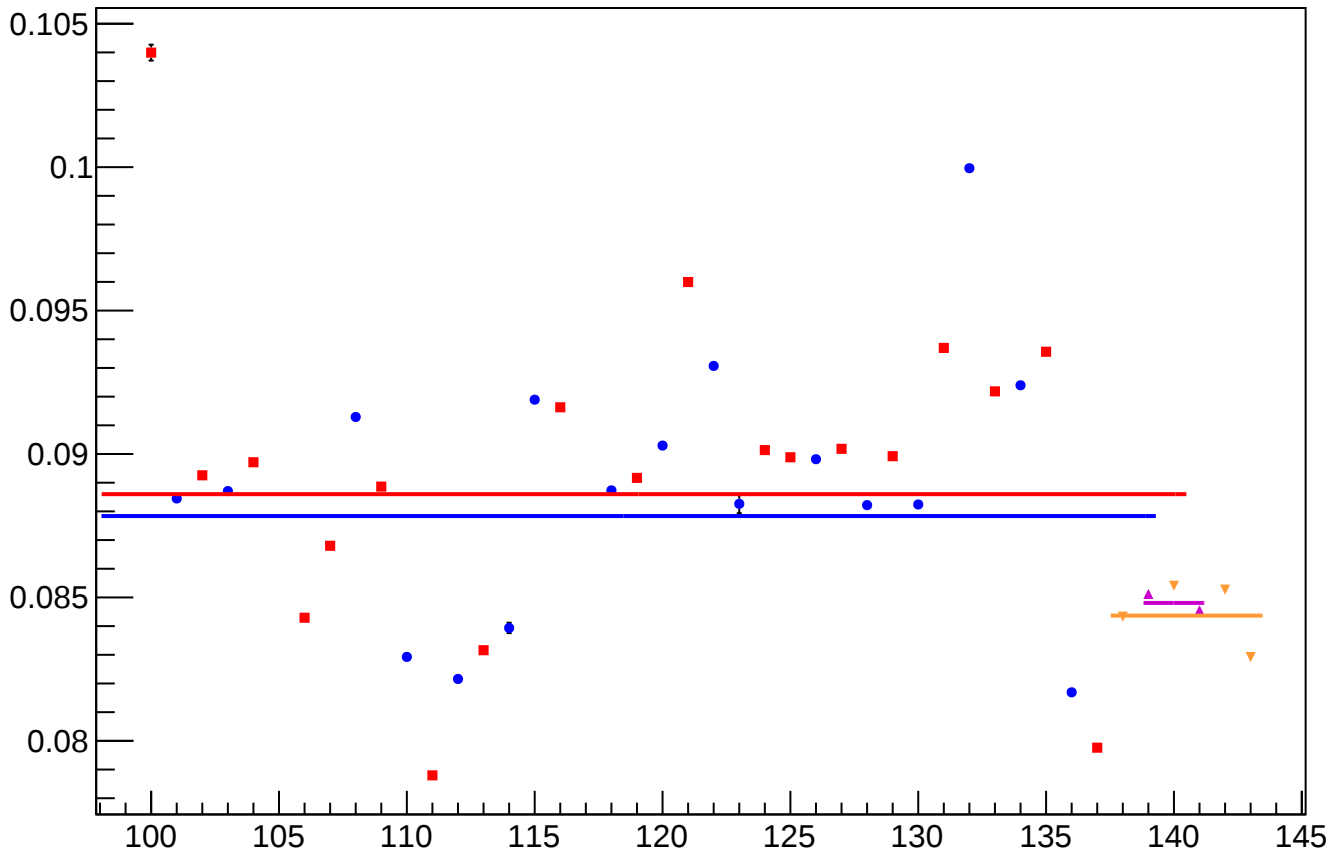
Right: -0.447 $\pm$ 0.000 χ^2/NDF : 615340967.5/35

In: -0.450 $\pm$ 0.000 χ^2/NDF : 385384183.6/18

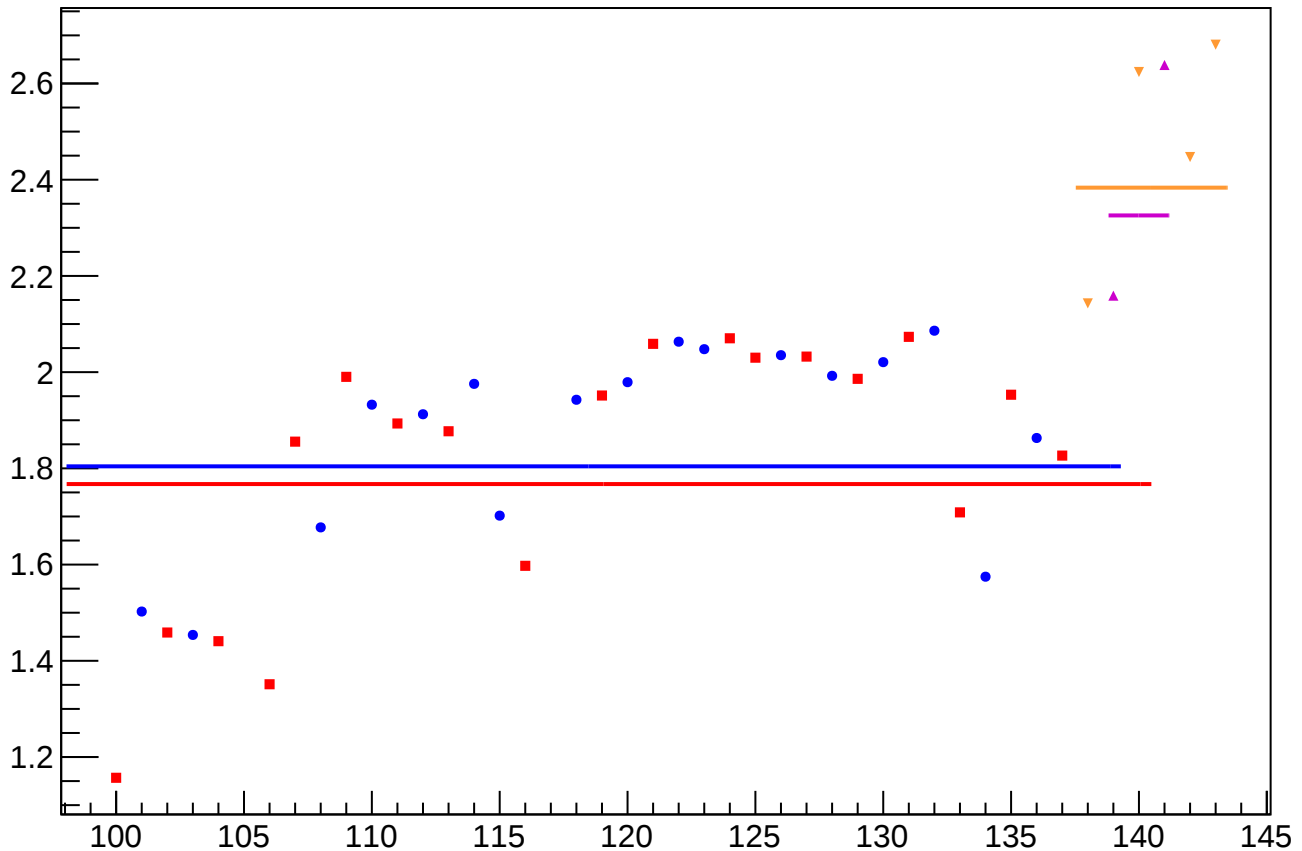
Out: -0.288 $\pm$ 0.000 χ^2/NDF : 350984343.4/22

All: -0.362 $\pm$ 0.000 χ^2/NDF : 751724354.2/41

yield_bpm0r05X_rms vs Slug, Sign Corrected



yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.804+/-0.000 χ^2/NDF : 1156038618.5/16

Left Out: 2.383+/-0.000 χ^2/NDF : 1212079548.0/3

Right Out: 1.767+/-0.000 χ^2/NDF : 1715728859.6/18

Left In: 2.326+/-0.000 χ^2/NDF : 709960115.0/1

Left: 2.361+/-0.000 χ^2/NDF : 1949650042.3/5

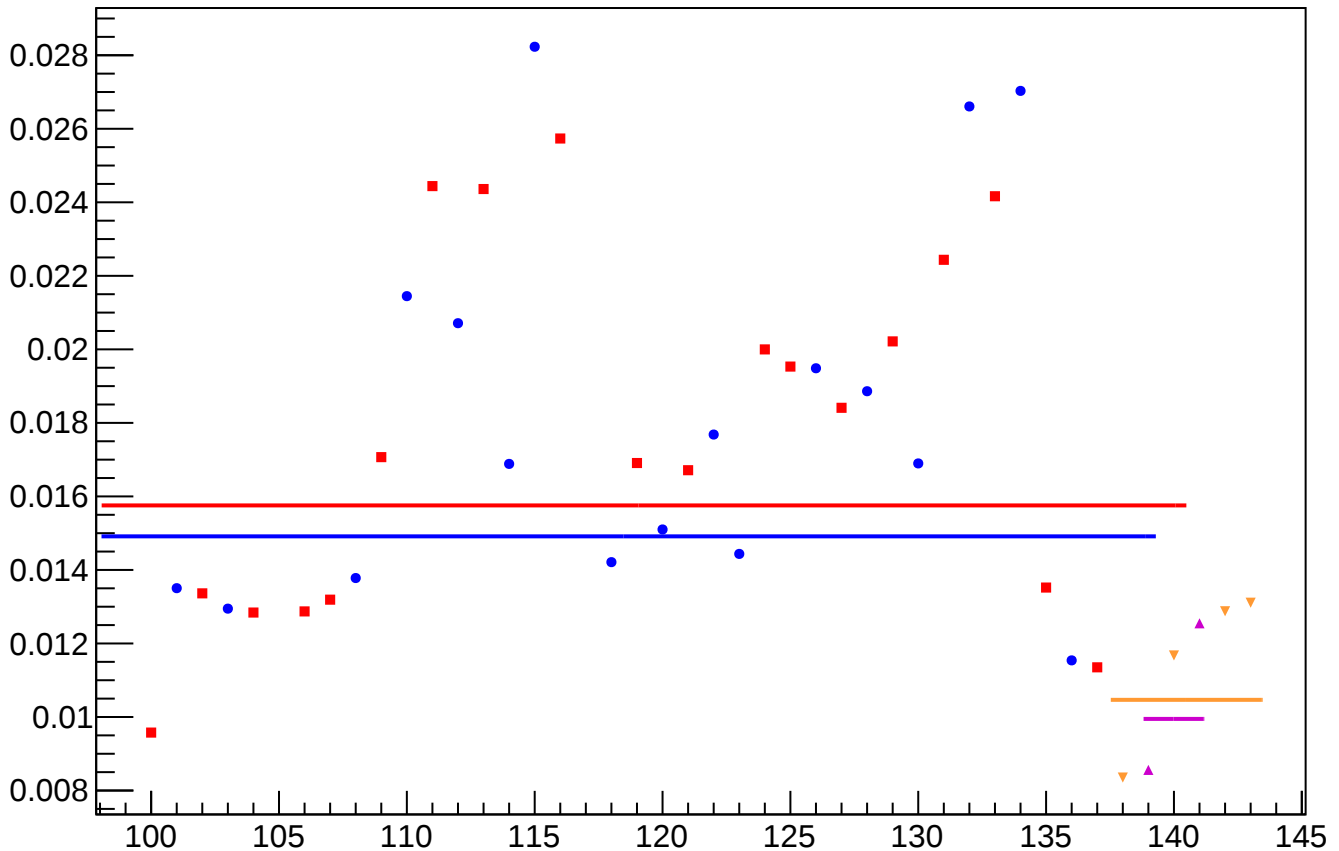
Right: 1.786+/-0.000 χ^2/NDF : 2888725719.4/35

In: 1.984+/-0.000 χ^2/NDF : 4289297695.9/18

Out: 2.054+/-0.000 χ^2/NDF : 7216063972.9/22

All: 2.022+/-0.000 χ^2/NDF : 11608207699.5/4

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF : 638037.3/16

Left Out: 0.010+/-0.000 χ^2/NDF :184572.0/3

Right Out: 0.016+/-0.000 χ^2/NDF : 770357.5/18

Left In: 0.010+/-0.000 χ^2/NDF :98187.0/1

Left: 0.010+/-0.000 χ^2/NDF : 287215.1/5

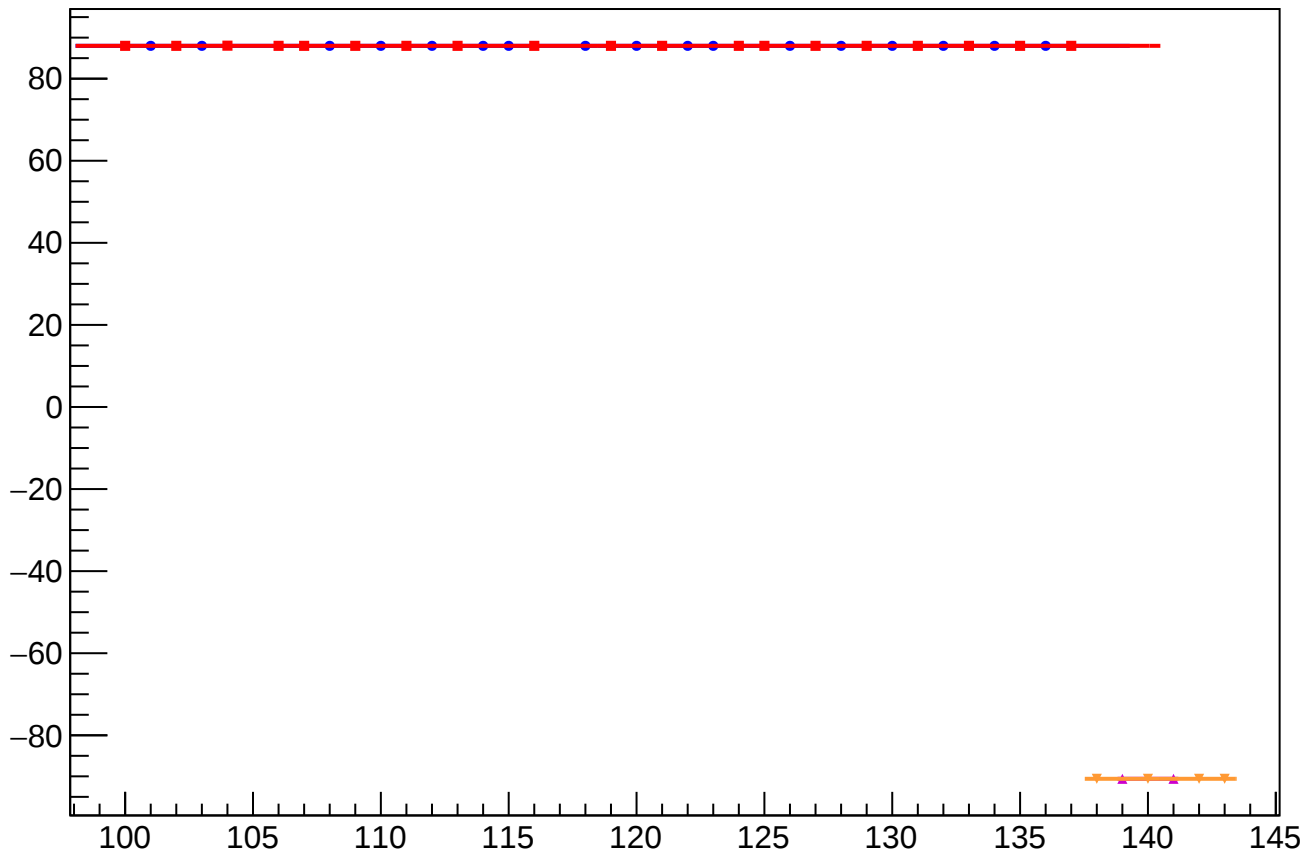
Right: 0.015+/-0.000 χ^2/NDF : 1426092.9/35

In: 0.013+/-0.000 χ^2/NDF :1175591.4/18

Out: 0.013+/-0.000 χ^2/NDF :1586821.8/22

All: 0.013+/-0.000 χ^2/NDF : 2762793.0/41

epics_VWienAngles_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF : 1547328.6/16

Left Out: -90.599+/-0.000 χ^2/NDF : 2013021.6/3

Right Out: 88.004+/-0.000 χ^2/NDF : 77529520773816998986447323136.0/18

Left In: -90.599+/-0.000 χ^2/NDF : 497600.8/1

Left: -90.599+/-0.000 χ^2/NDF : 2567571.9/5

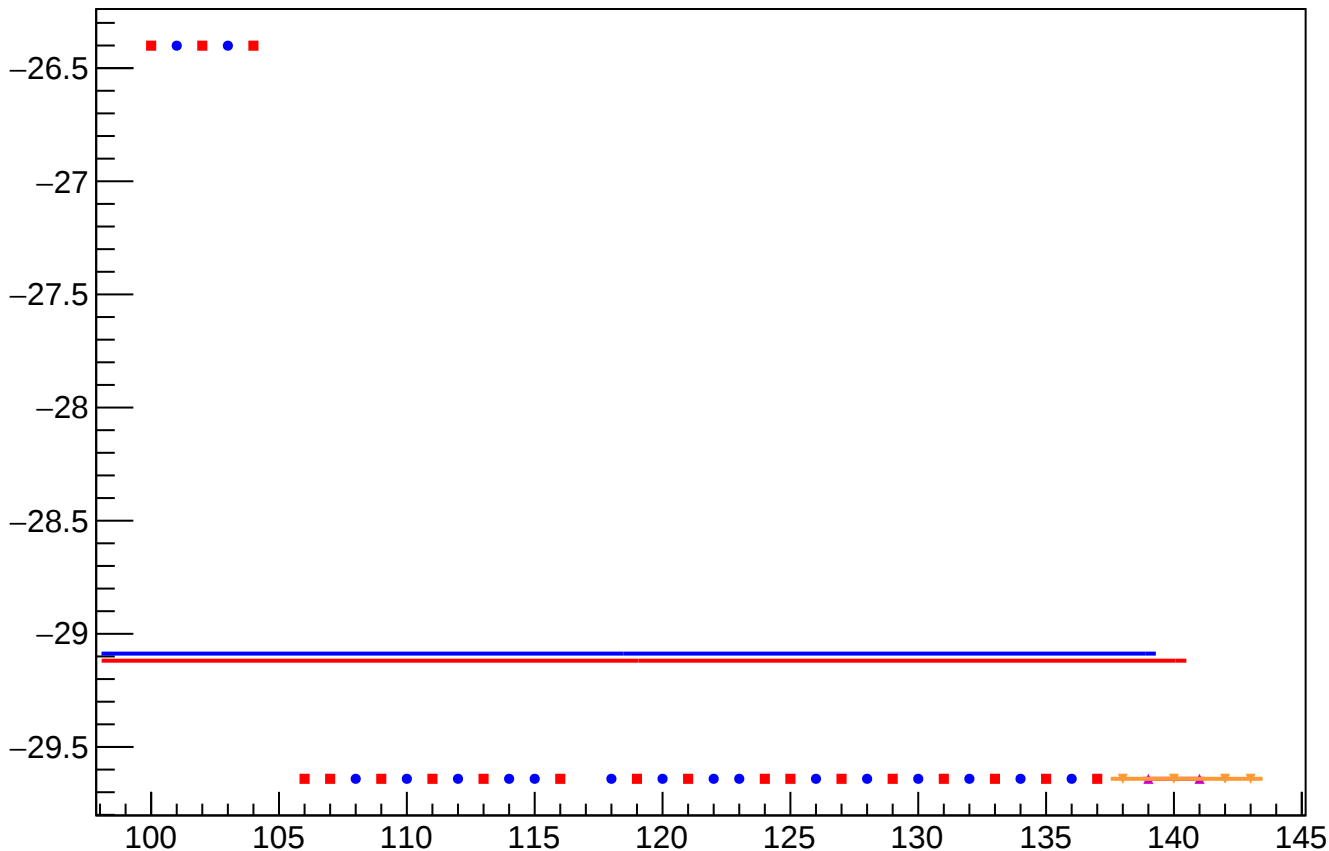
Right: 88.002+/-0.000 χ^2/NDF : 8042394504606349

In: 55.451+/-0.000 χ^2/NDF : 401702901235502786

Out: 37.482+/-0.000 χ^2/NDF : 64967173383833575

All: 45.694+/-0.000 χ^2/NDF : 1066189093386

epics_HWienAngles_mean vs Slug, Sign Corrected



Right In: -29.087+/-0.000

χ^2/NDF : 1027184842836480355028877627621376.0/16

Left Out: -29.641+/-0.000

χ^2/NDF : 132553.9/3

Right Out: -29.119+/-0.000

χ^2/NDF : 1021533120000008474668992382894080.0/18

Left In: -29.641+/-0.000

χ^2/NDF : 22845.4/1

In: -29.188+/-0.000

χ^2/NDF : 10657362291124316

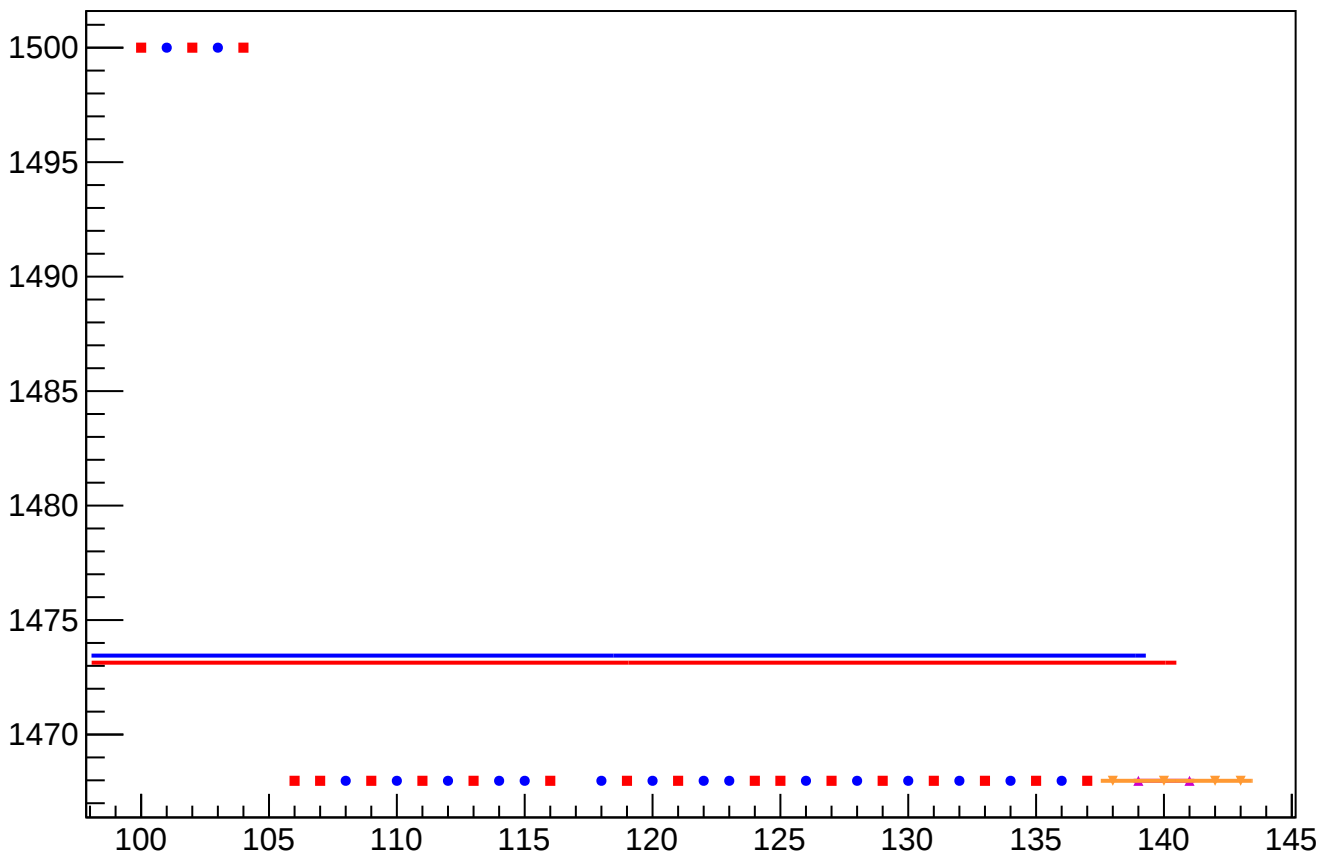
Out: -29.266+/-0.000

χ^2/NDF : 1077028666135454

All: -29.231+/-0.000

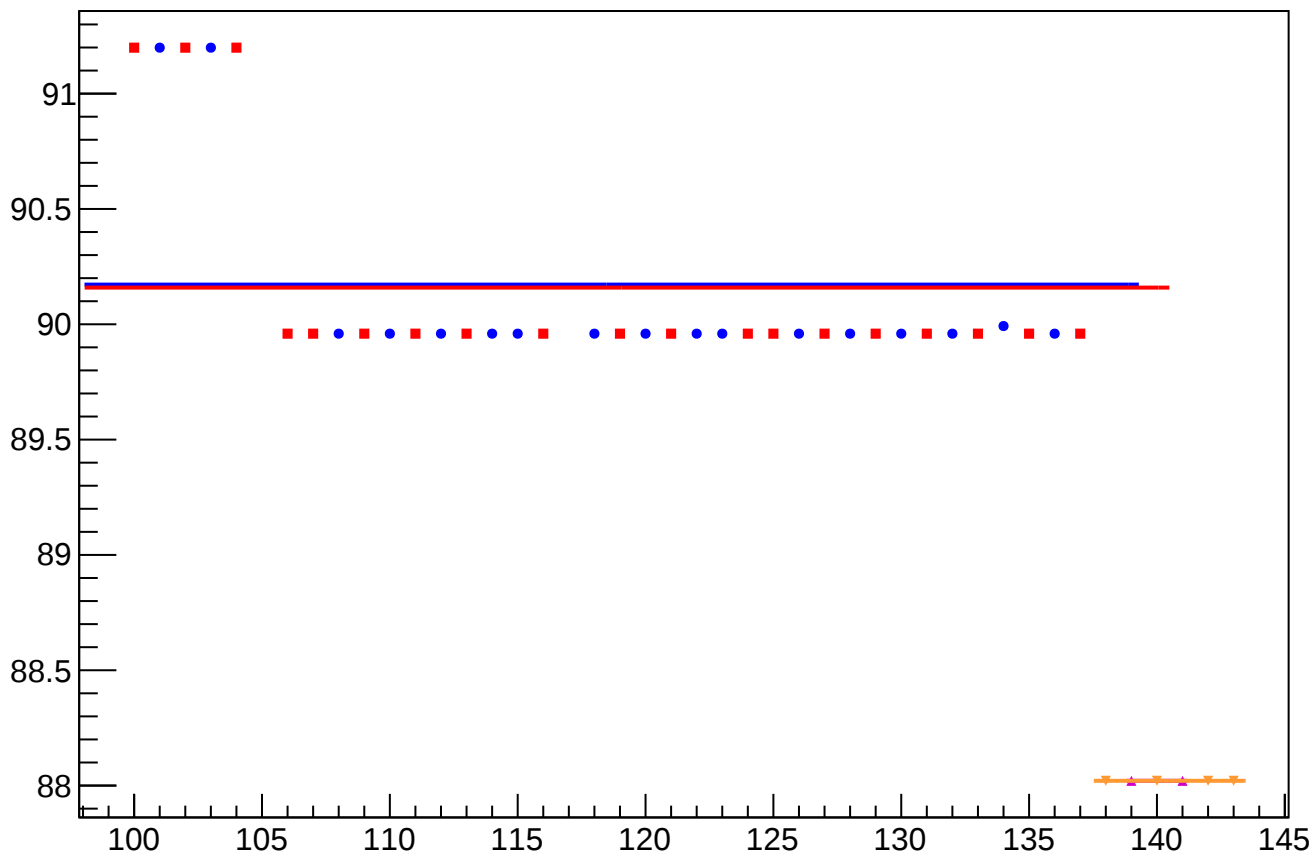
χ^2/NDF : 214556409734

epics_psub_pl_poss_mean vs Slug, Sign Corrected



Right In: 1473.447 $\pm$ 0.000 χ^2 /NDF: 100331979974804513534478923851628544.0/16
 Left Out: 1467.979 $\pm$ 0.000 χ^2 /NDF: 122112537.9/3
 Right Out: 1473.138 $\pm$ 0.000 χ^2 /NDF: 99779938590622337721401930749575168.0/18
 Left In: 1467.979 $\pm$ 0.000 χ^2 /NDF: 31846453.6/1
 Left: 1467.979 $\pm$ 0.000 χ^2 /NDF: 165229327.4/5
 Right: 1473.290 $\pm$ 0.000 χ^2 /NDF: 20014562782713
 In: 1472.451 $\pm$ 0.000 χ^2 /NDF: 1040975504491130
 Out: 1471.679 $\pm$ 0.000 χ^2 /NDF: 105200557929378
 All: 1472.032 $\pm$ 0.000 χ^2 /NDF: 20957152507

epics_Phi_FGs_mean vs Slug, Sign Corrected



Right In: 90.172+/-0.000

χ^2/NDF : 150181697791974119042789817712640.0/16

Left: 88.021+/-0.000 χ^2/NDF : 2466193.8/5

Right: 90.165+/-0.000

χ^2/NDF : 2998666474784590

Left Out: 88.021+/-0.000

χ^2/NDF : 1963342.3/3

Right Out: 90.159+/-0.000

χ^2/NDF : 149625564444474590335066871693312.0/18

In: 89.780+/-0.000

χ^2/NDF : 733041207240697050

Out: 89.554+/-0.000

χ^2/NDF : 10809123702861255

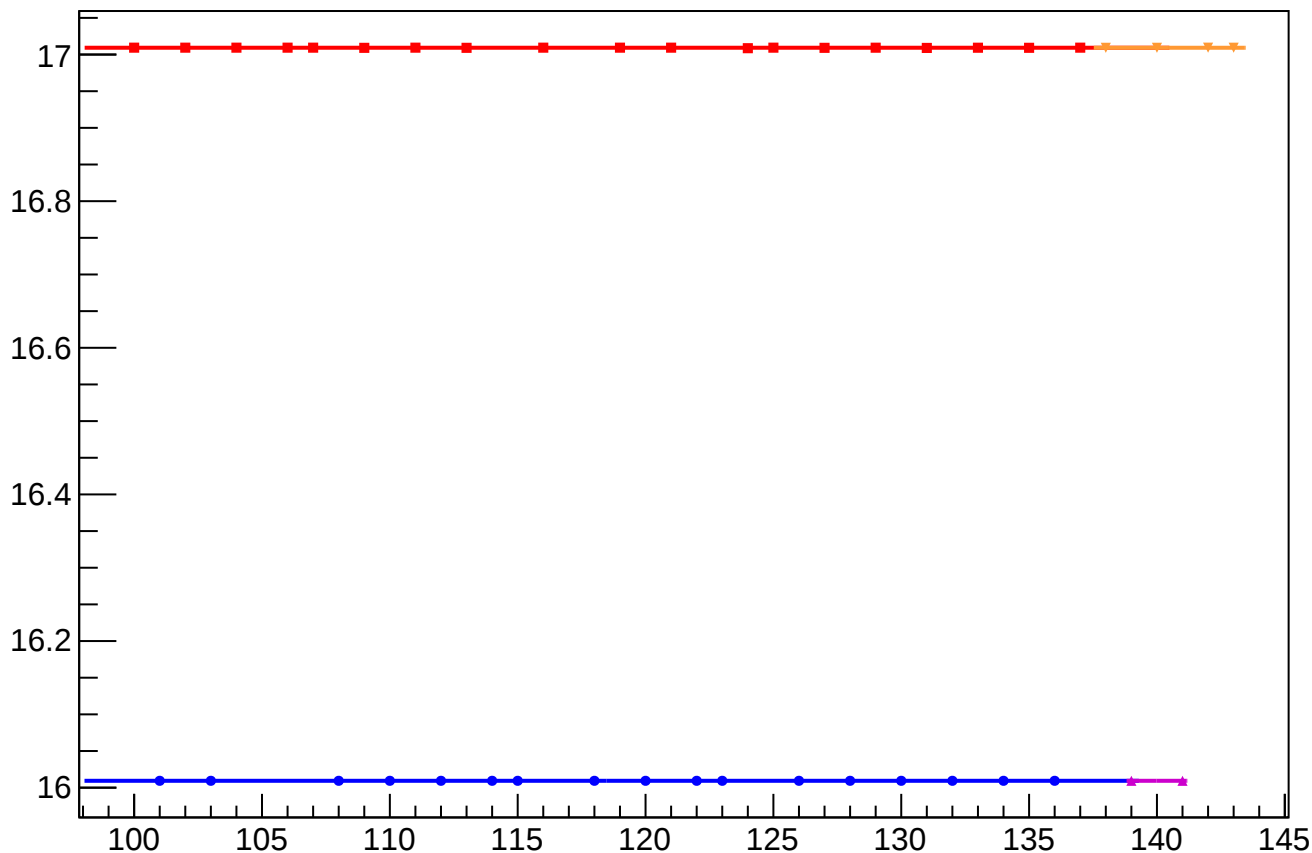
Left In: 88.021+/-0.000

χ^2/NDF : 502851.5/1

All: 89.657+/-0.000

χ^2/NDF : 1837342330483

epics_IGL1I00DI24_24Ms_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF : 38900.3/16

Left Out: 17.009+/-0.000 χ^2/NDF : 1120275006658711465754624.0/3

Right Out: 17.009+/-0.000 χ^2/NDF : 12507759350541157226512384.0/18

Left In: 16.009+/-0.000 χ^2/NDF : 870.9/1

Left: 16.648+/-0.000 χ^2/NDF : 89463114515979330

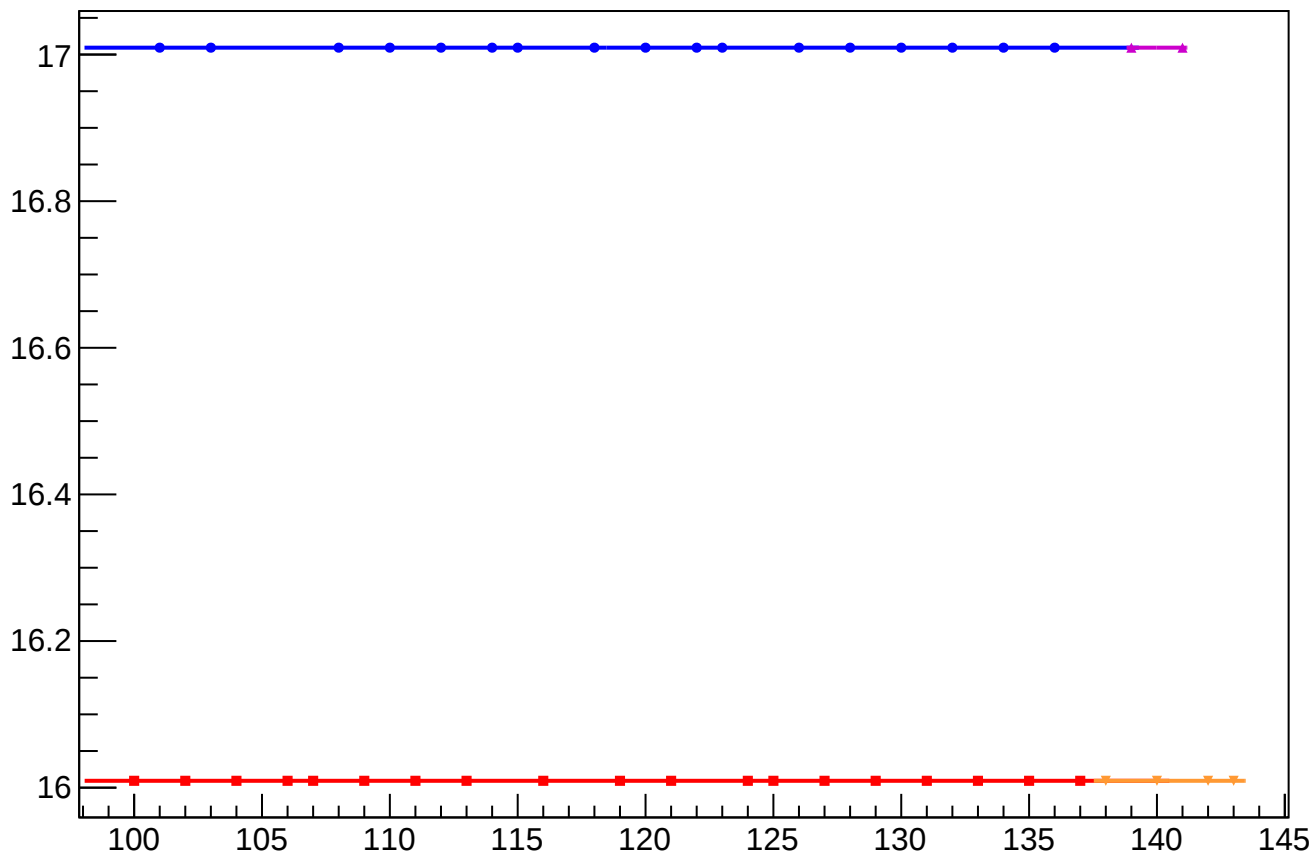
Right: 16.507+/-0.000 χ^2/NDF : 3279335089313653

In: 16.009+/-0.000 χ^2/NDF : 57227.1/18

Out: 17.009+/-0.000 χ^2/NDF : 13776921400782125

All: 16.539+/-0.000 χ^2/NDF : 4233862991646

epics_IGL1I00OD16_16s_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF : 119200.0/16

Left Out: 16.009+/-0.000 χ^2/NDF : 11258.6/3

Right Out: 16.009+/-0.000 χ^2/NDF : 39077.0/18

Left In: 17.009+/-0.000 χ^2/NDF : 5162.3/1

Left: 16.361+/-0.000 χ^2/NDF : 99853881278533395

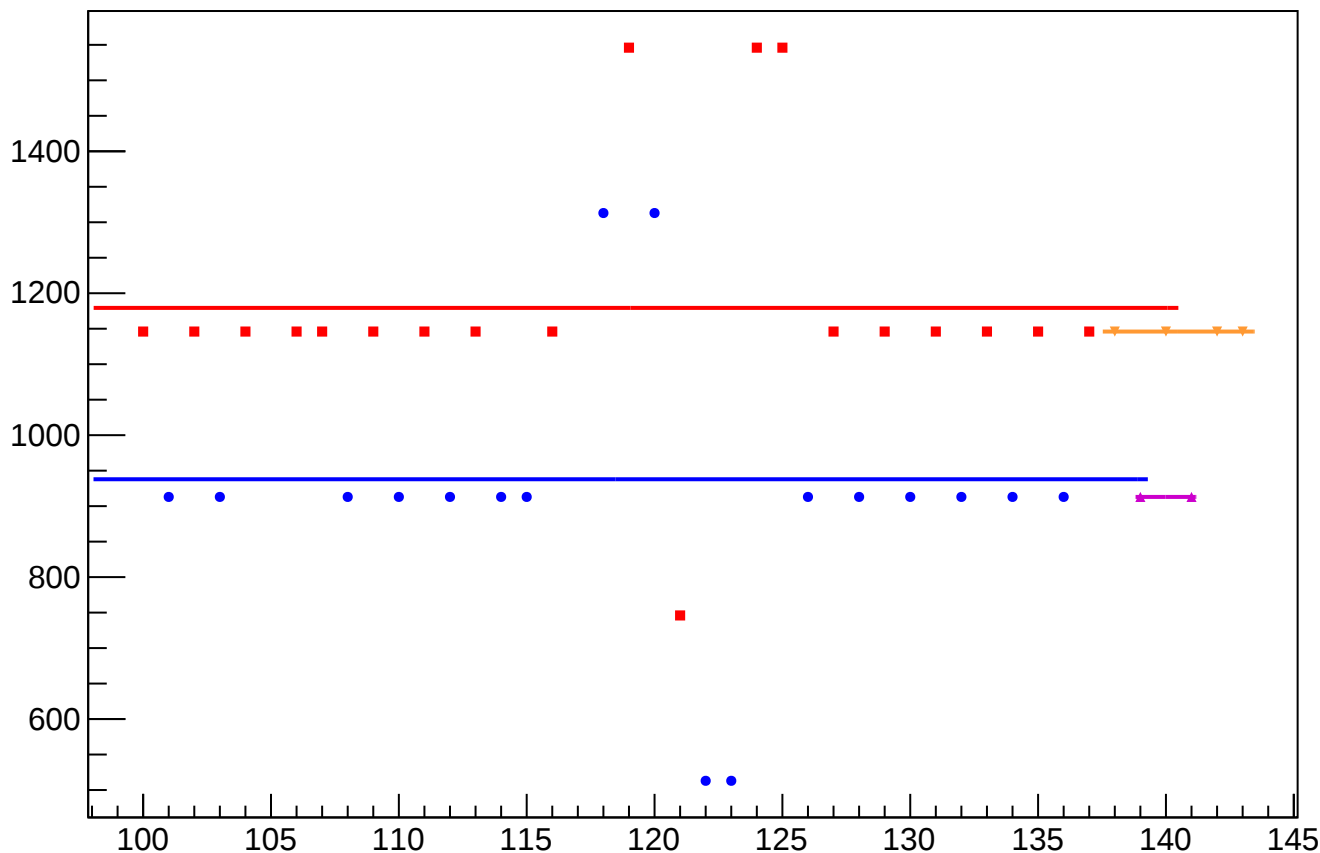
Right: 16.490+/-0.000 χ^2/NDF : 3424686588921133

In: 17.009+/-0.000 χ^2/NDF : 168828.9/18

Out: 16.009+/-0.000 χ^2/NDF : 76096.7/22

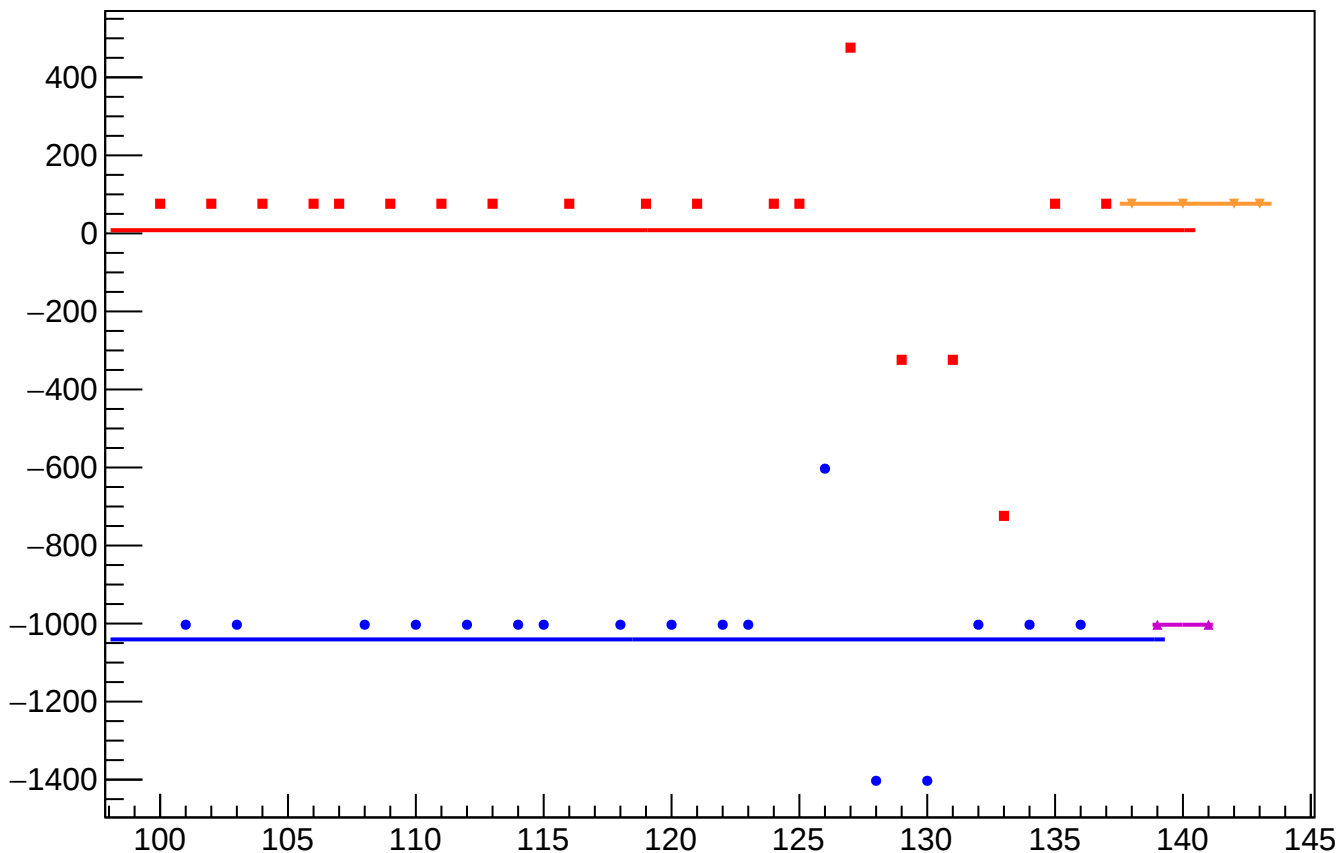
All: 16.459+/-0.000 χ^2/NDF : 4478237569060

epics_RTPAPOSUCNTs_mean vs Slug, Sign Corrected



Left: 1064.082+/-0.000 χ^2/NDF : 54219479332896
 Right In: 937.887+/-0.000 χ^2/NDF : 20853195799113284359206128263972782080.0/16
 Right: 1061.096+/-0.000 χ^2/NDF : 62690984501737
 Left Out: 1146.012+/-0.000 χ^2/NDF : 1169104941799908328874180608.0/3
 In: 933.350+/-0.000 χ^2/NDF : 20931251654255410
 Right Out: 1179.343+/-0.000 χ^2/NDF : 21280712999839458982137051519993774080.0/18
 Out: 1169.915+/-0.000 χ^2/NDF : 215069836258054
 Left In: 912.991+/-0.000 χ^2/NDF : 1666851062095801816711168.0/1
 All: 1061.804+/-0.000 χ^2/NDF : 68115911850

epics_RTPAPOSVCNTs_mean vs Slug, Sign Corrected



Right In: -1040.616+/-0.000 χ^2/NDF : 22221373085920074948025403120531013632.0/16
 Left Out: 76.011+/-0.000 χ^2/NDF : 1666293639340427112060289024.0/3
 Right Out: 8.231+/-0.000 χ^2/NDF : 43732051061335101274341918679788158976.0/18
 Left In: -1002.990+/-0.000 χ^2/NDF : 82706419775977992694530048.0/1
 All: -457.551+/-0.000 χ^2/NDF : 58374248344