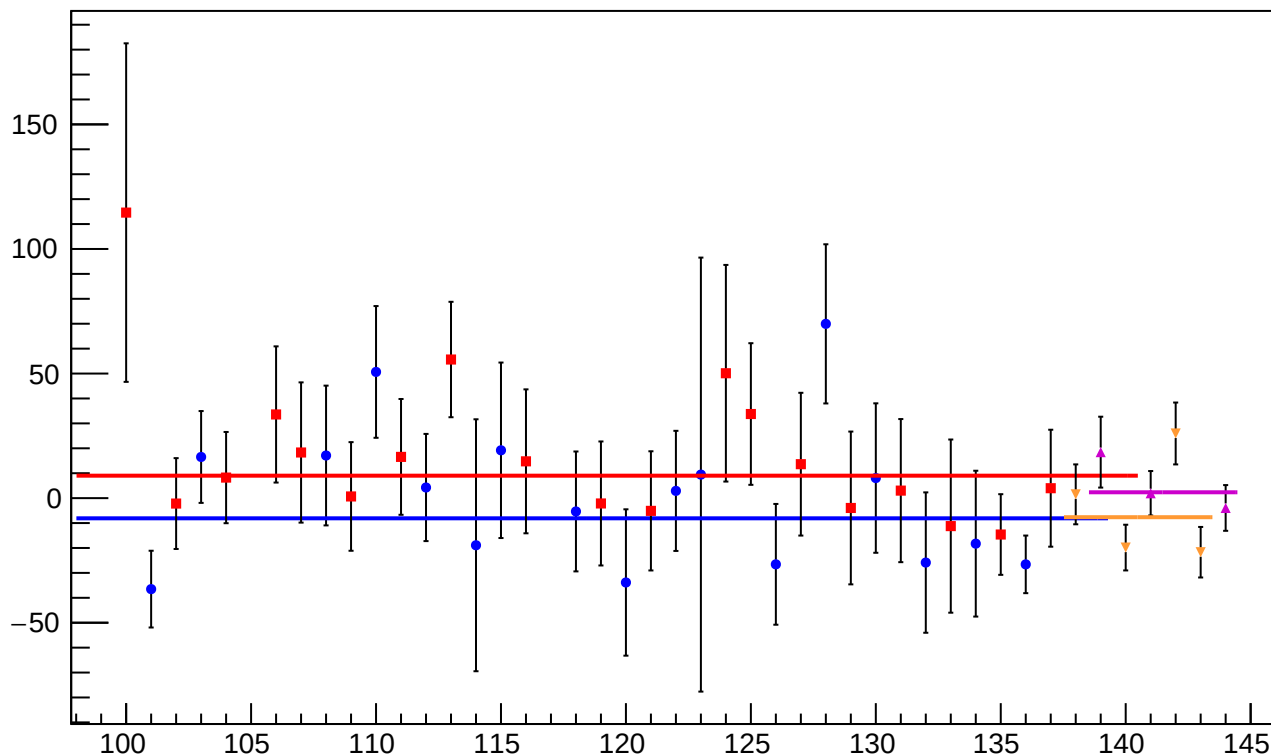


diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -8.097 $\pm$ 5.619

χ^2/NDF : 22.9/16

Left Out: -7.653 $\pm$ 5.344

χ^2/NDF : 11.6/3

Right Out: 9.015 $\pm$ 5.687

χ^2/NDF : 13.0/18

Left In: 2.351 $\pm$ 5.833

χ^2/NDF : 1.8/2

Left: -3.088 $\pm$ 3.940

χ^2/NDF : 14.9/6

Right: 0.356 $\pm$ 3.997

χ^2/NDF : 40.5/35

In: -3.068 $\pm$ 4.047

χ^2/NDF : 26.3/19

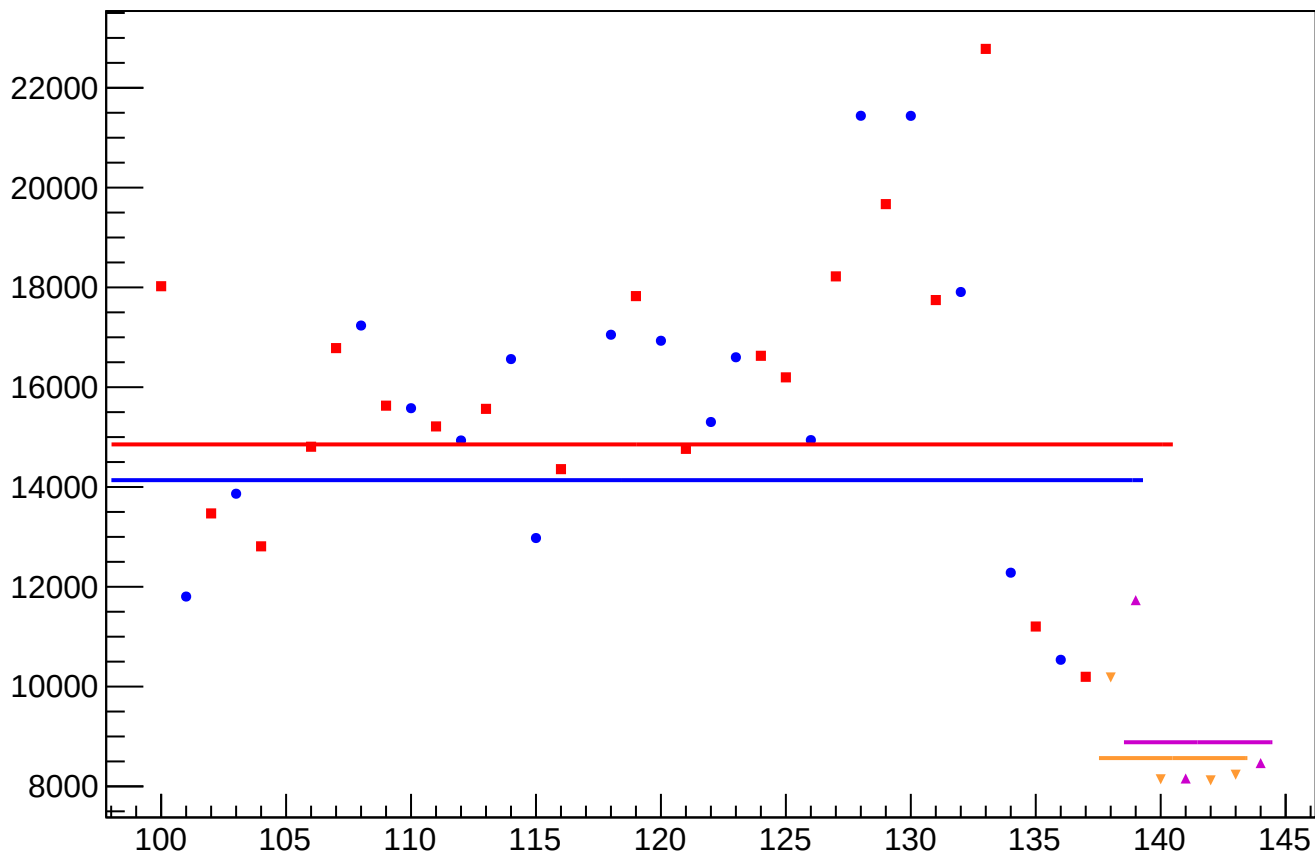
Out: 0.163 $\pm$ 3.894

χ^2/NDF : 29.2/22

All: -1.391 $\pm$ 2.806

χ^2/NDF : 55.8/42

diff_bpm4aX_rms vs Slug, Sign Corrected



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

Left Out: 8566.850+/-3.779 χ^2/NDF : 45190.5/3

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

Left In: 8884.284+/-4.125 χ^2/NDF : 97579.2/2

Left: 8711.695+/-2.786 χ^2/NDF : 145989.8/6

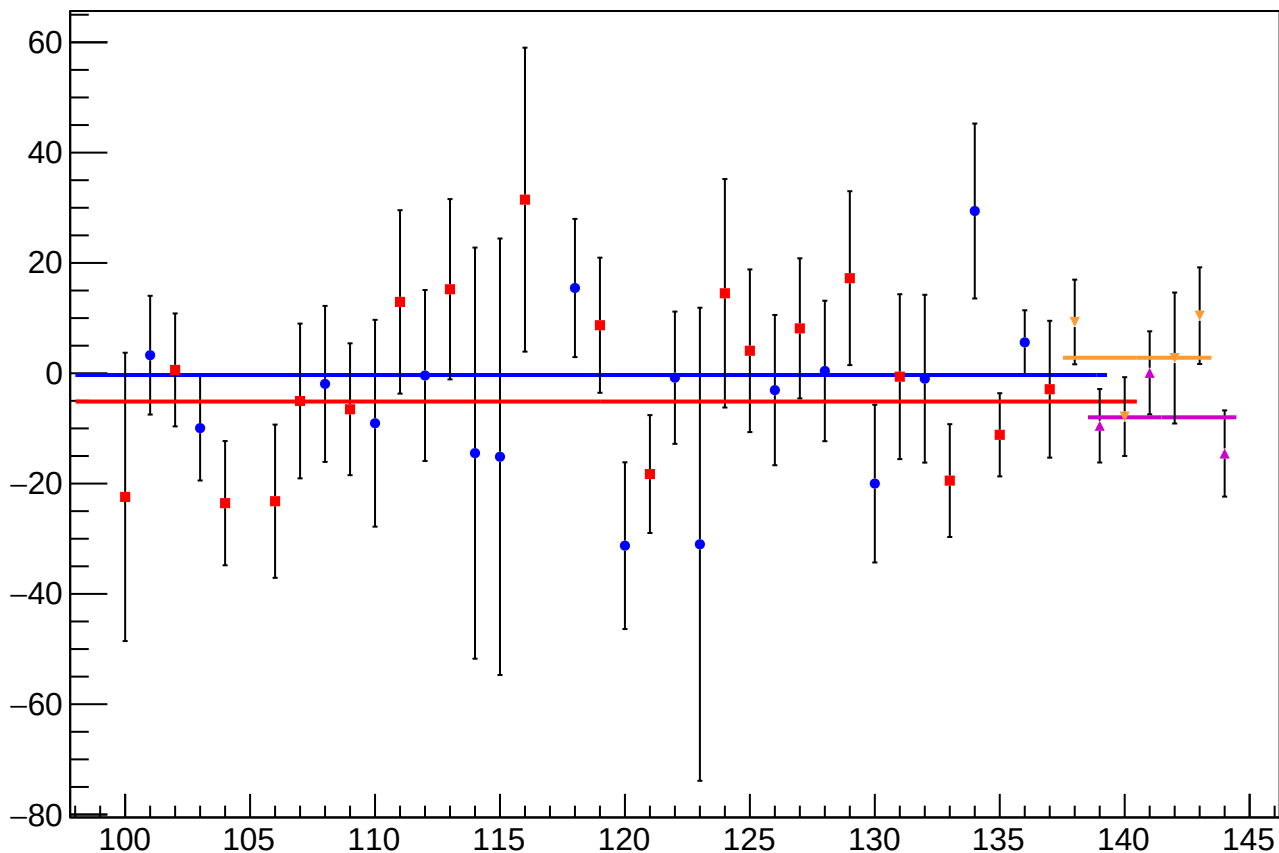
Right: 14490.905+/-2.827 χ^2/NDF : 1092938.6/35

In: 11608.703+/-2.862 χ^2/NDF : 1541742.4/19

Out: 11514.635+/-2.754 χ^2/NDF : 1816836.3/22

All: 11559.862+/-1.984 χ^2/NDF : 3359139.7/4

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.315 ± 3.077 χ^2/NDF : 14.4/16

Left Out: 2.812 ± 4.199 χ^2/NDF : 3.7/3

Right Out: -5.127 ± 2.942 χ^2/NDF : 19.5/18

Left In: -7.985 ± 4.206 χ^2/NDF : 1.9/2

Left: -2.578 ± 2.972 χ^2/NDF : 8.9/6

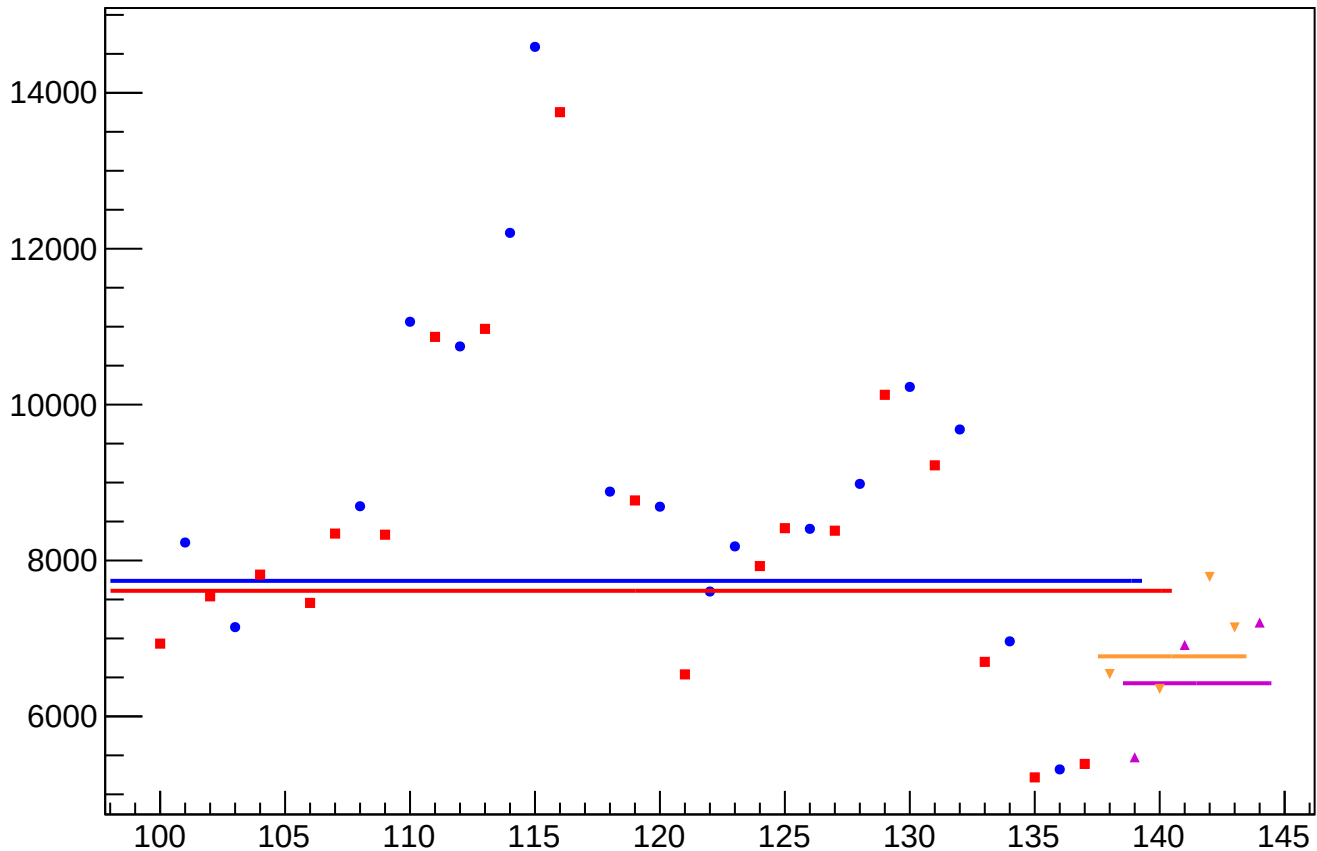
Right: -2.829 ± 2.126 χ^2/NDF : 35.3/35

In: -2.988 ± 2.483 χ^2/NDF : 18.5/19

Out: -2.513 ± 2.409 χ^2/NDF : 25.6/22

All: -2.744 ± 1.729 χ^2/NDF : 44.2/42

diff_bpm4aY_rms vs Slug, Sign Corrected



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

Left Out: 6770.303+/-2.969 χ^2/NDF : 26942.3/3

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

Left In: 6425.276+/-2.974 χ^2/NDF : 69039.6/2

Left: 6598.069+/-2.101 χ^2/NDF : 102722.6/6

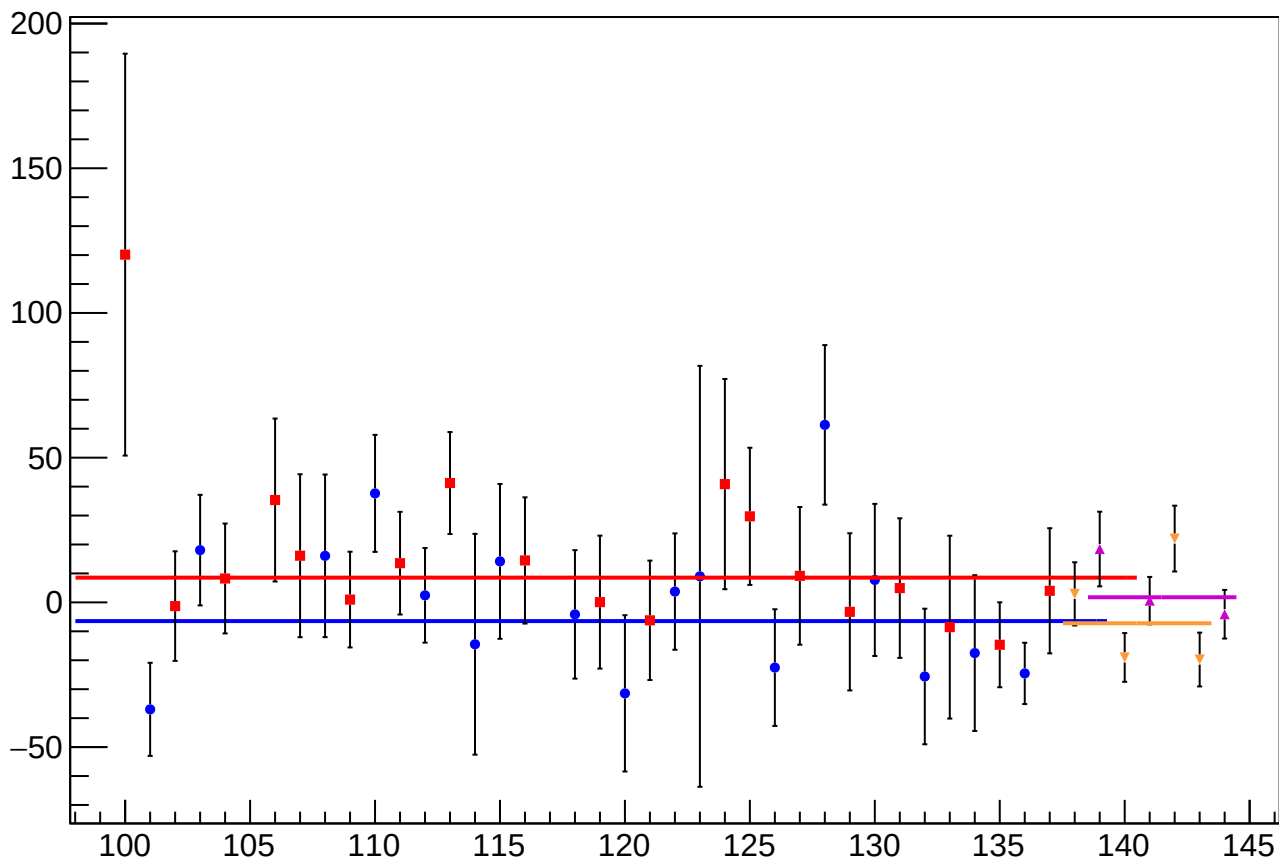
Right: 7672.308+/-1.504 χ^2/NDF : 1426027.8/35

In: 7280.977+/-1.756 χ^2/NDF : 937104.8/19

Out: 7334.441+/-1.704 χ^2/NDF : 764028.2/22

All: 7308.515+/-1.223 χ^2/NDF : 1701610.5/42

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.463+/-5.029 χ^2/NDF : 23.5/16

Left Out: -7.224+/-4.892 χ^2/NDF : 11.3/3

Right Out: 8.548+/-5.009 χ^2/NDF : 12.9/18

Left In: 1.765+/-5.340 χ^2/NDF : 2.2/2

Left: -3.122+/-3.607 χ^2/NDF : 15.0/6

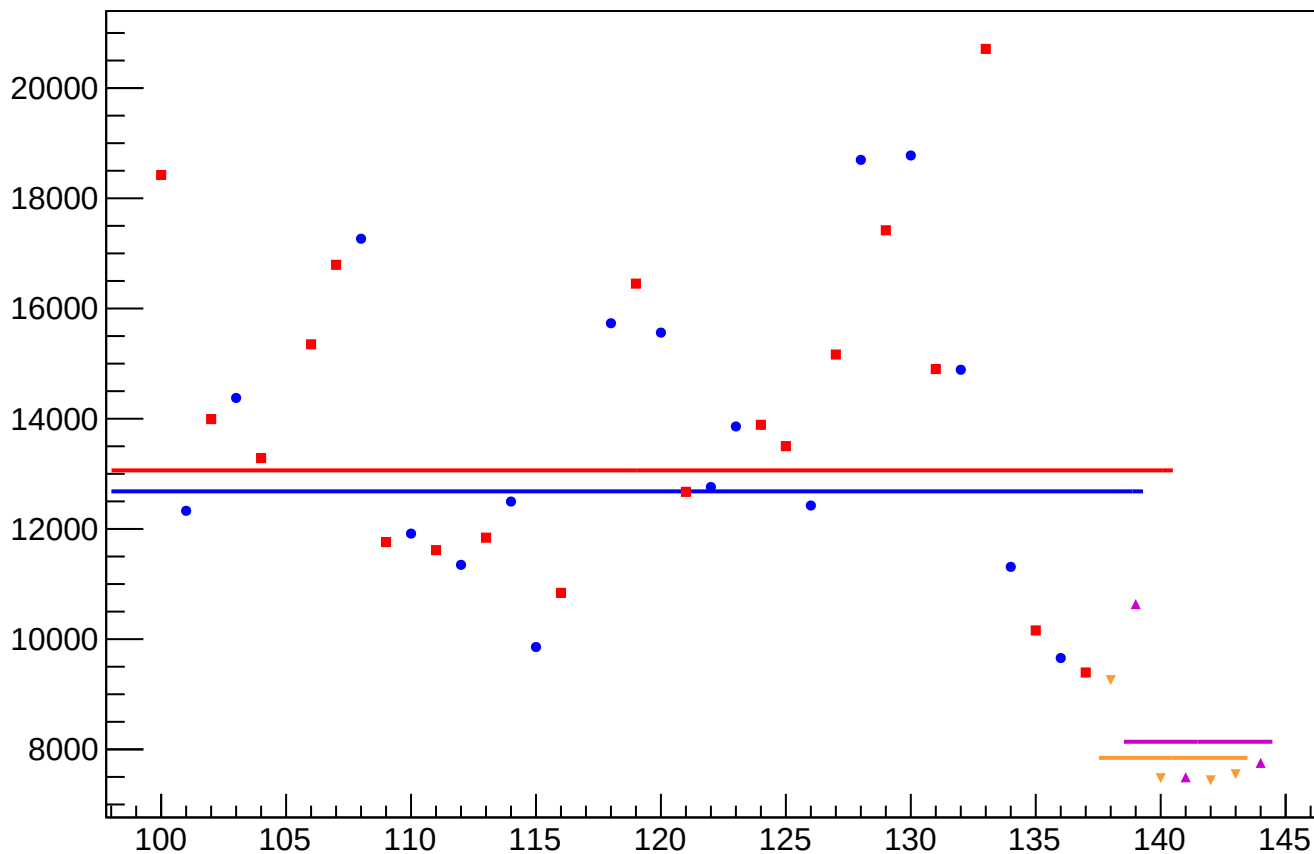
Right: 1.072+/-3.549 χ^2/NDF : 40.9/35

In: -2.596+/-3.661 χ^2/NDF : 26.9/19

Out: 0.476+/-3.500 χ^2/NDF : 29.3/22

All: -0.991+/-2.530 χ^2/NDF : 56.5/42

diff_bpm4eX_rms vs Slug, Sign Corrected



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

Left Out: 7846.184 $\pm$ 3.459 χ^2/NDF : 41810.0/3

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

Left In: 8138.238 $\pm$ 3.776 χ^2/NDF : 91618.1/2

Left: 7979.452 $\pm$ 2.551 χ^2/NDF : 136680.7/6

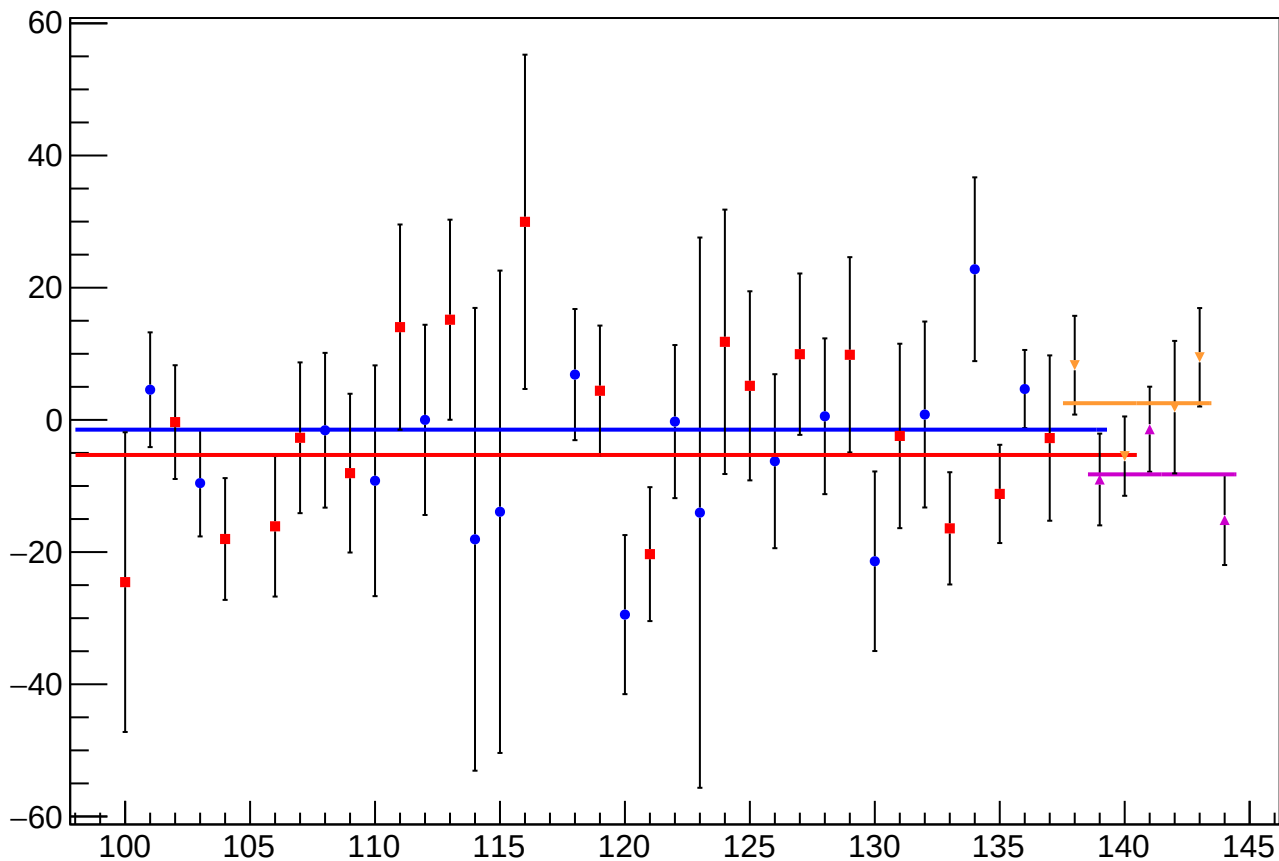
Right: 12873.023 $\pm$ 2.509 χ^2/NDF : 1063620.9/35

In: 10546.381 $\pm$ 2.589 χ^2/NDF : 1417710.7/19

Out: 10392.953 $\pm$ 2.475 χ^2/NDF : 1651280.2/22

All: 10466.217 $\pm$ 1.789 χ^2/NDF : 3070826.4/40

diff_bpm4eY_mean vs Slug, Sign Corrected



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

Left Out: 2.525 ± 3.685 χ^2/NDF : 3.2/3

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

Left In: -8.241 ± 3.880 χ^2/NDF : 2.2/2

Left: -2.581 ± 2.672 χ^2/NDF : 9.5/6

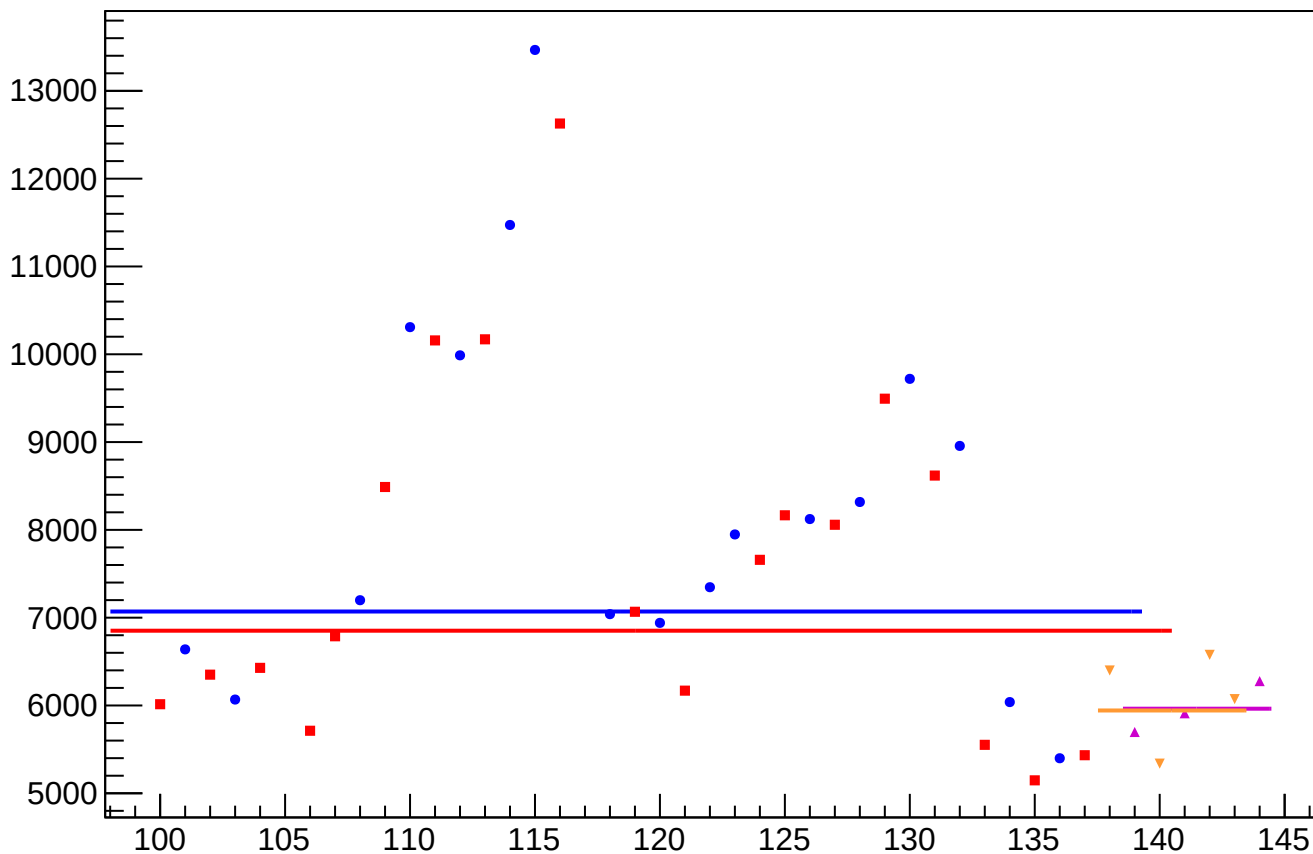
Right: -3.498 ± 1.921 χ^2/NDF : 34.6/35

In: -3.788 ± 2.268 χ^2/NDF : 18.9/19

Out: -2.644 ± 2.148 χ^2/NDF : 25.1/22

All: -3.185 ± 1.560 χ^2/NDF : 44.1/42

diff_bpm4eY_rms vs Slug, Sign Corrected



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

Left Out: 5943.063+/-2.605 χ^2/NDF : 36377.4/3

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

Left In: 5963.339+/-2.743 χ^2/NDF : 7304.4/2

Left: 5952.679+/-1.889 χ^2/NDF : 43710.5/6

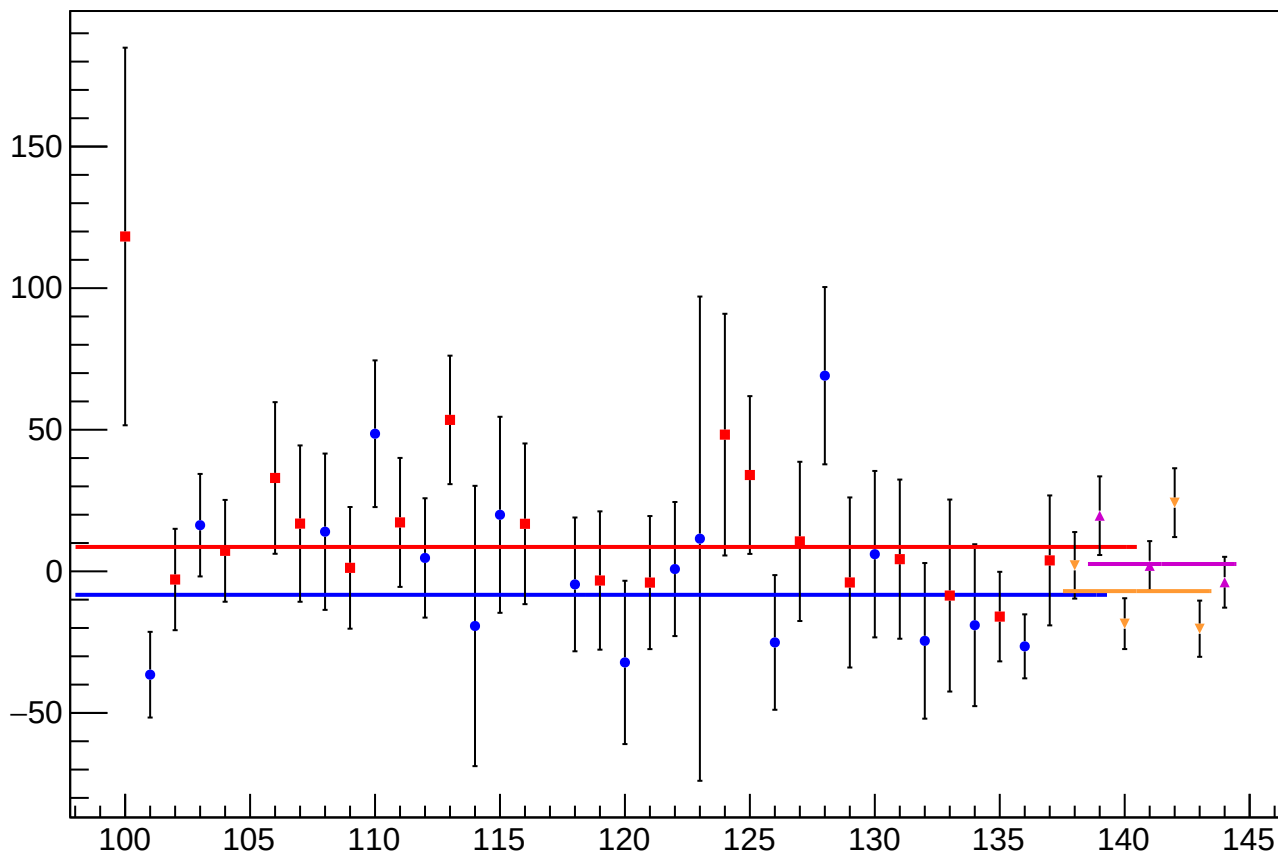
Right: 6954.858+/-1.358 χ^2/NDF : 1295919.6/35

In: 6691.995+/-1.604 χ^2/NDF : 715348.0/19

Out: 6542.707+/-1.519 χ^2/NDF : 805214.0/22

All: 6613.318+/-1.103 χ^2/NDF : 1525129.2/42

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -8.291±/5.508 χ^2/NDF : 22.7/16

Left Out: -6.982±/5.228 χ^2/NDF :10.6/3

Right Out: 8.615±/5.576 χ^2/NDF : 13.4/18

Left In: 2.592±/5.706 χ^2/NDF :2.0/2

Left: -2.612±/3.855 χ^2/NDF : 14.2/6

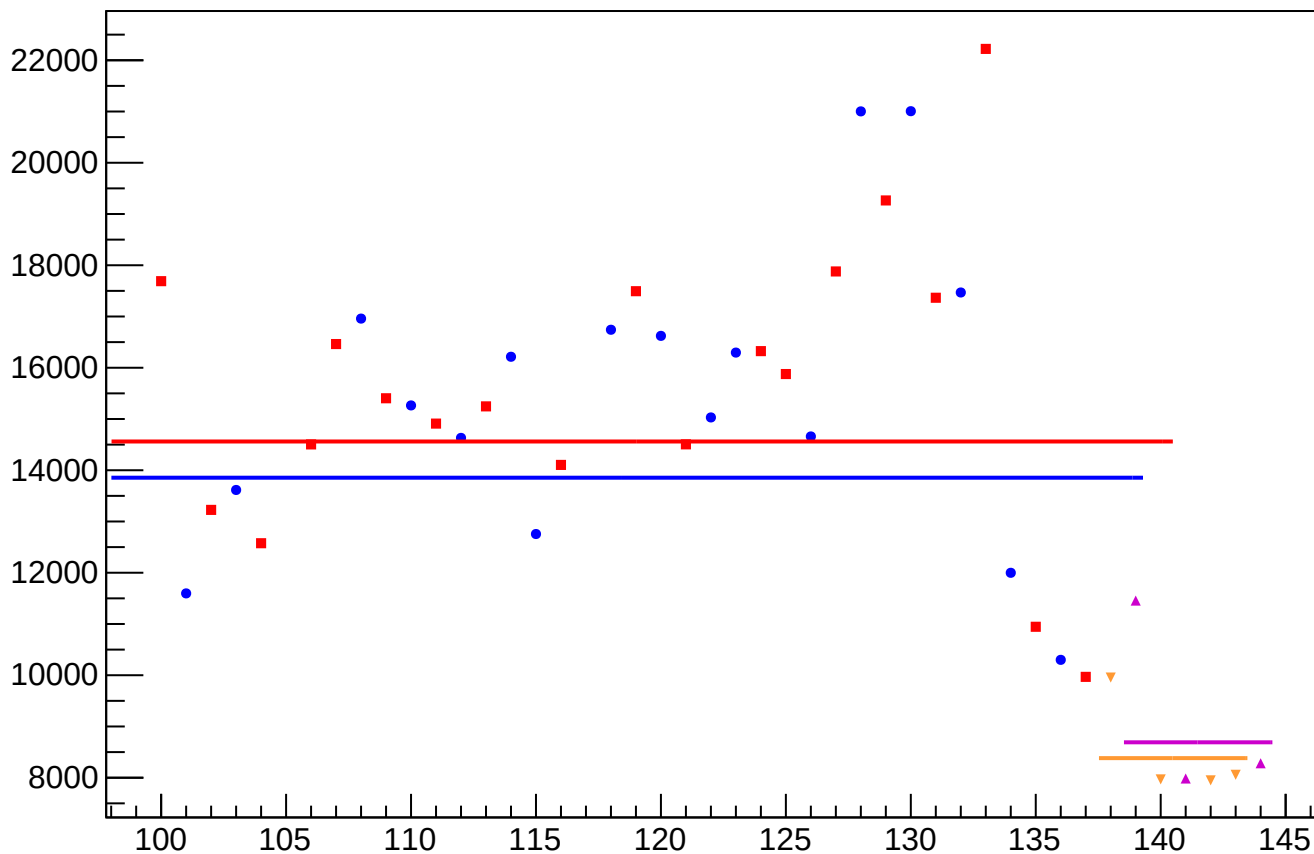
Right: 0.058±/3.918 χ^2/NDF : 40.8/35

In: -3.041±/3.963 χ^2/NDF :26.7/19

Out: 0.315±/3.814 χ^2/NDF :28.2/22

All: -1.299±/2.748 χ^2/NDF : 55.3/42

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13854.498 $\pm$ 3.895 χ^2 /NDF: 606202.8/16

Left Out: 8382.349 $\pm$ 3.697 χ^2 /NDF:44785.4/3

Right Out: 14561.025 $\pm$ 3.943 χ^2 /NDF: 475761.5/18

Left In: 8691.012 $\pm$ 4.034 χ^2 /NDF:96538.5/2

Left: 8523.232 $\pm$ 2.726 χ^2 /NDF: 144505.6/6

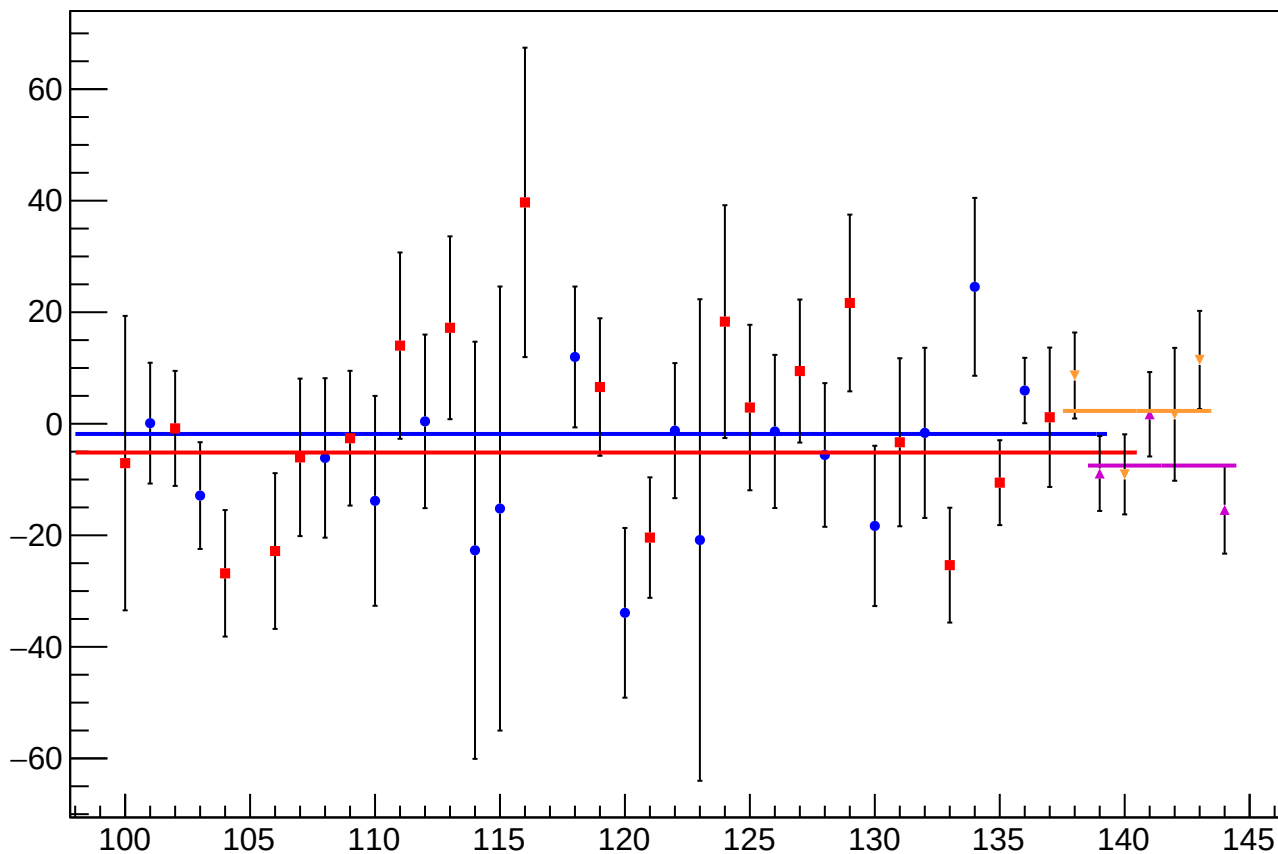
Right: 14203.439 $\pm$ 2.771 χ^2 /NDF: 1098217.6/35

In: 11363.717 $\pm$ 2.802 χ^2 /NDF:1550622.7/19

Out: 11273.151 $\pm$ 2.697 χ^2 /NDF:1827437.3/22

All: 11316.701 $\pm$ 1.943 χ^2 /NDF: 3378602.4/4

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -1.828 ± 3.100 χ^2/NDF : 14.0/16

Left Out: 2.304 ± 4.219 χ^2/NDF : 4.3/3

Right Out: -5.156 ± 2.965 χ^2/NDF : 24.5/18

Left In: -7.495 ± 4.229 χ^2/NDF : 2.5/2

Left: -2.583 ± 2.987 χ^2/NDF : 9.5/6

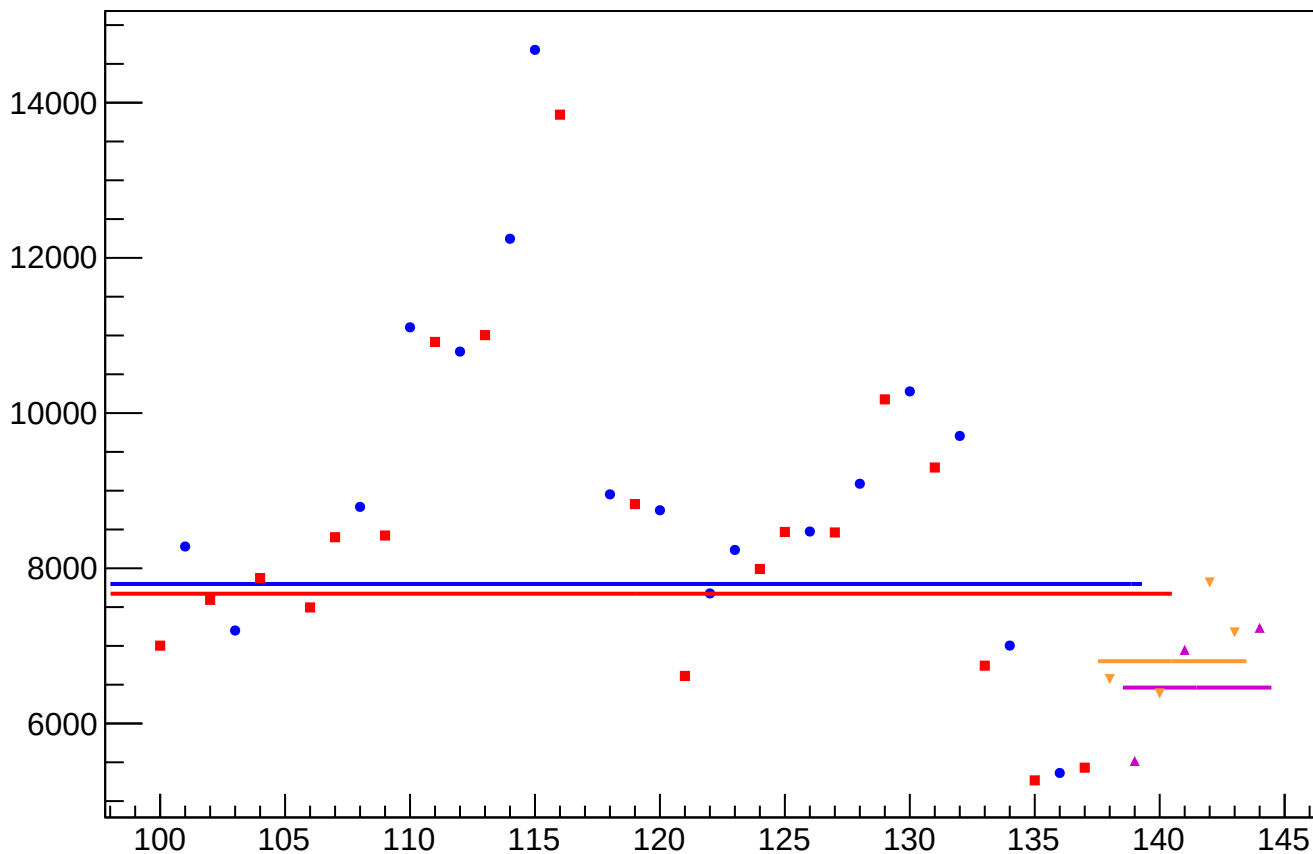
Right: -3.566 ± 2.142 χ^2/NDF : 39.2/35

In: -3.808 ± 2.500 χ^2/NDF : 17.8/19

Out: -2.689 ± 2.426 χ^2/NDF : 30.9/22

All: -3.232 ± 1.741 χ^2/NDF : 48.7/42

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7797.989 $\pm$ 2.192 χ^2 /NDF: 736318.7/16

Left Out: 6802.695 $\pm$ 2.983 χ^2 /NDF: 26559.4/3

Right Out: 7672.429 $\pm$ 2.096 χ^2 /NDF: 676691.4/18

Left In: 6462.797 $\pm$ 2.990 χ^2 /NDF: 67240.1/2

Left: 6633.168 $\pm$ 2.112 χ^2 /NDF: 100275.0/6

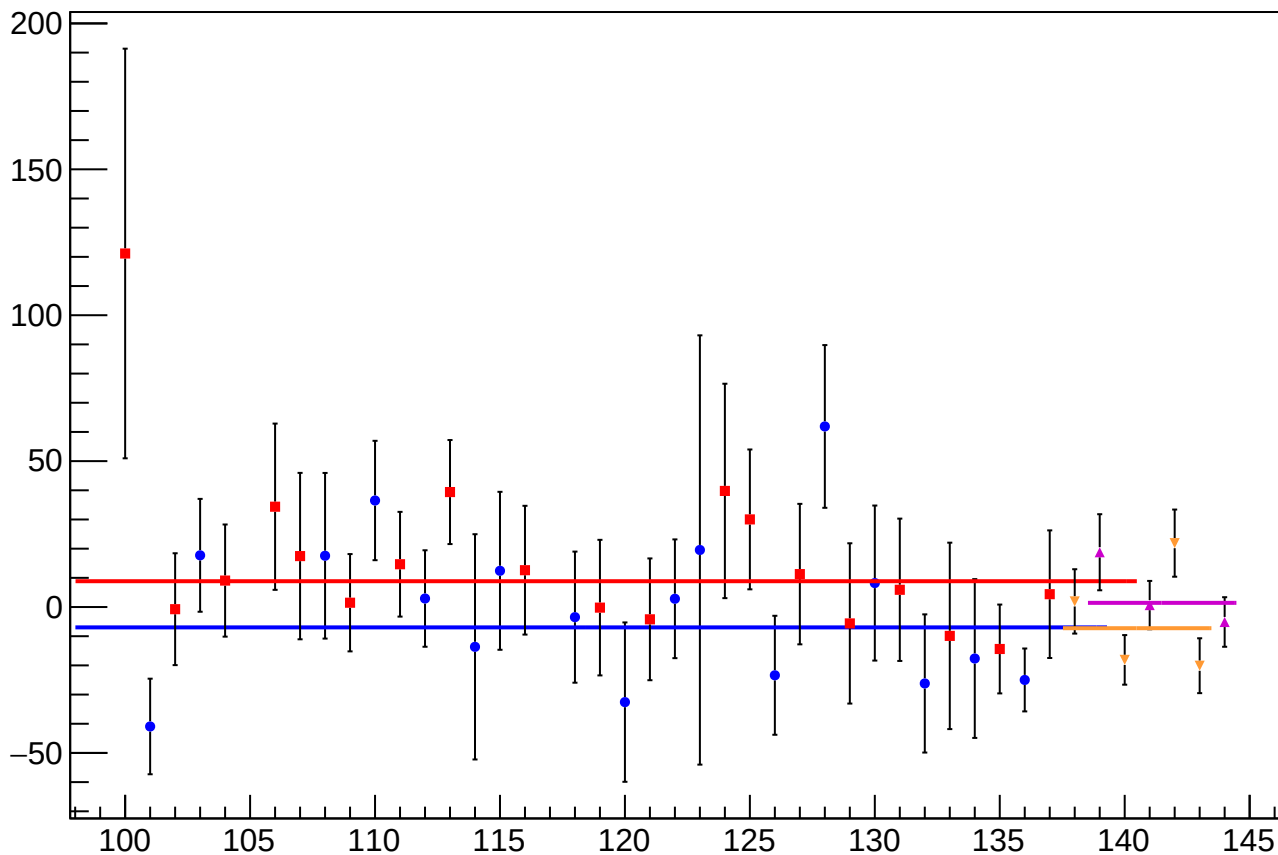
Right: 7732.419 $\pm$ 1.515 χ^2 /NDF: 1414723.9/35

In: 7331.400 $\pm$ 1.768 χ^2 /NDF: 933244.7/19

Out: 7384.885 $\pm$ 1.715 χ^2 /NDF: 760154.1/22

All: 7358.950 $\pm$ 1.231 χ^2 /NDF: 1693870.3/42

diff_bpm4ecX_mean vs Slug, Sign Corrected



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

Left Out: -7.257 ± 4.942 $\chi^2/\text{NDF}: 10.6/3$

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

Left In: 1.431 ± 5.398 $\chi^2/\text{NDF}: 2.4/2$

Left: -3.295 ± 3.645 $\chi^2/\text{NDF}: 14.4/6$

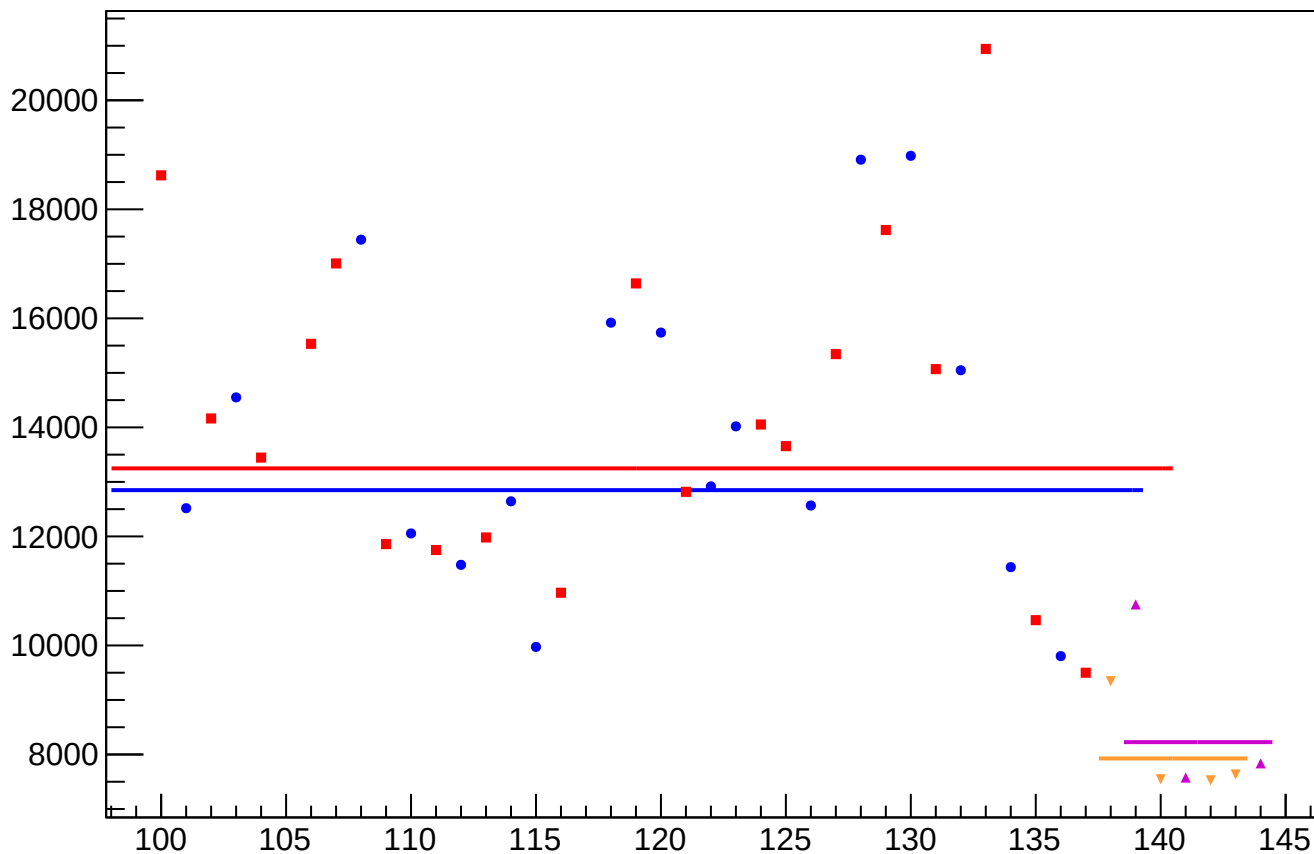
Right: 0.961 ± 3.598 $\chi^2/\text{NDF}: 40.9/35$

In: -3.014 ± 3.705 $\chi^2/\text{NDF}: 27.7/19$

Out: 0.575 ± 3.542 $\chi^2/\text{NDF}: 27.8/22$

All: -1.139 ± 2.561 $\chi^2/\text{NDF}: 56.0/42$

diff_bpm4ecX_rms vs Slug, Sign Corrected



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

Left Out: 7927.112 $\pm$ 3.495 χ^2 /NDF:41458.7/3

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

Left In: 8226.375 $\pm$ 3.817 χ^2 /NDF:91616.9/2

Left: 8063.592 $\pm$ 2.578 χ^2 /NDF: 136419.6/6

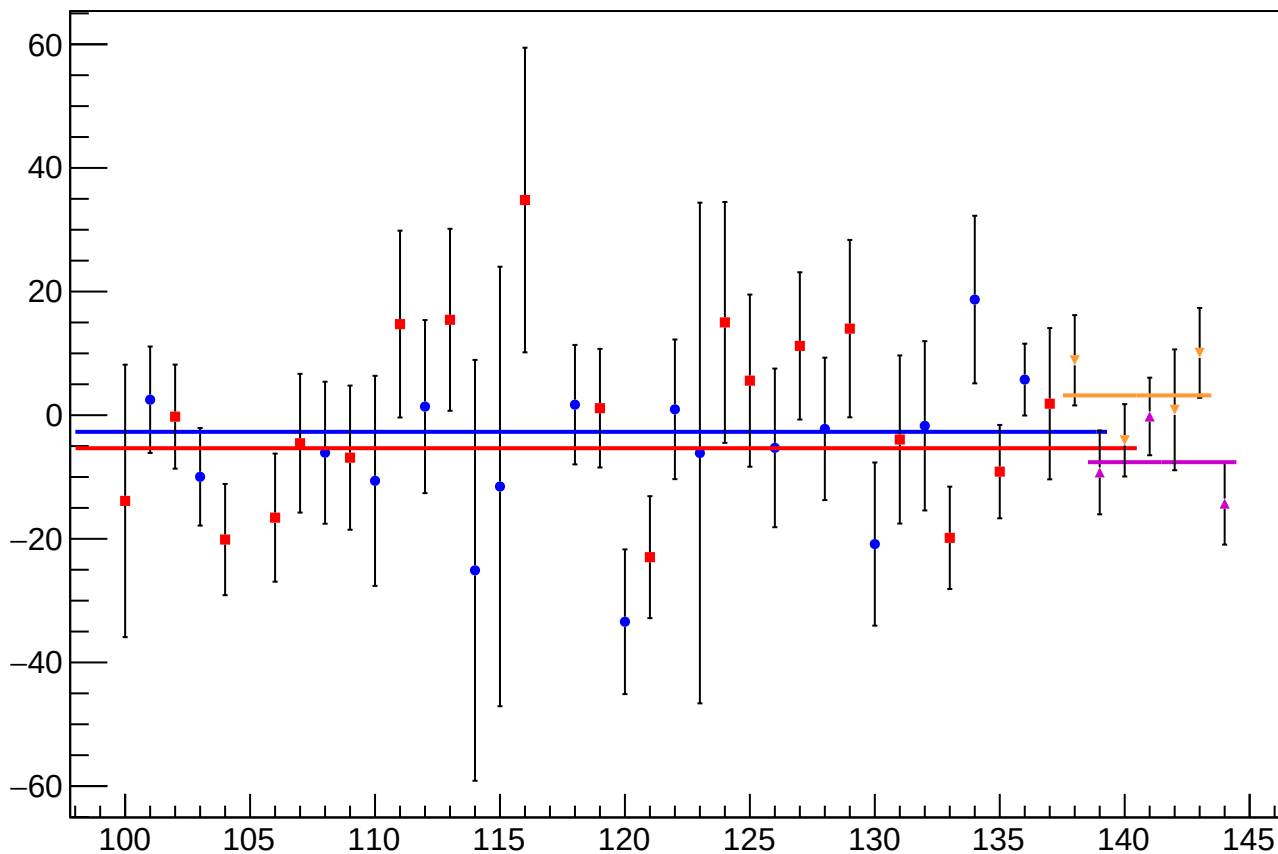
Right: 13049.037 $\pm$ 2.544 χ^2 /NDF: 1045578.8/35

In: 10670.335 $\pm$ 2.620 χ^2 /NDF:1419299.2/19

Out: 10514.575 $\pm$ 2.505 χ^2 /NDF:1655903.3/22

All: 10588.954 $\pm$ 1.811 χ^2 /NDF: 3077048.8/4

diff_bpm4ecY_mean vs Slug, Sign Corrected



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

Left Out: 3.205 ± 3.595 χ^2/NDF : 3.1/3

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

Left In: -7.600 ± 3.784 χ^2/NDF : 2.5/2

Left: -1.921 ± 2.606 χ^2/NDF : 9.9/6

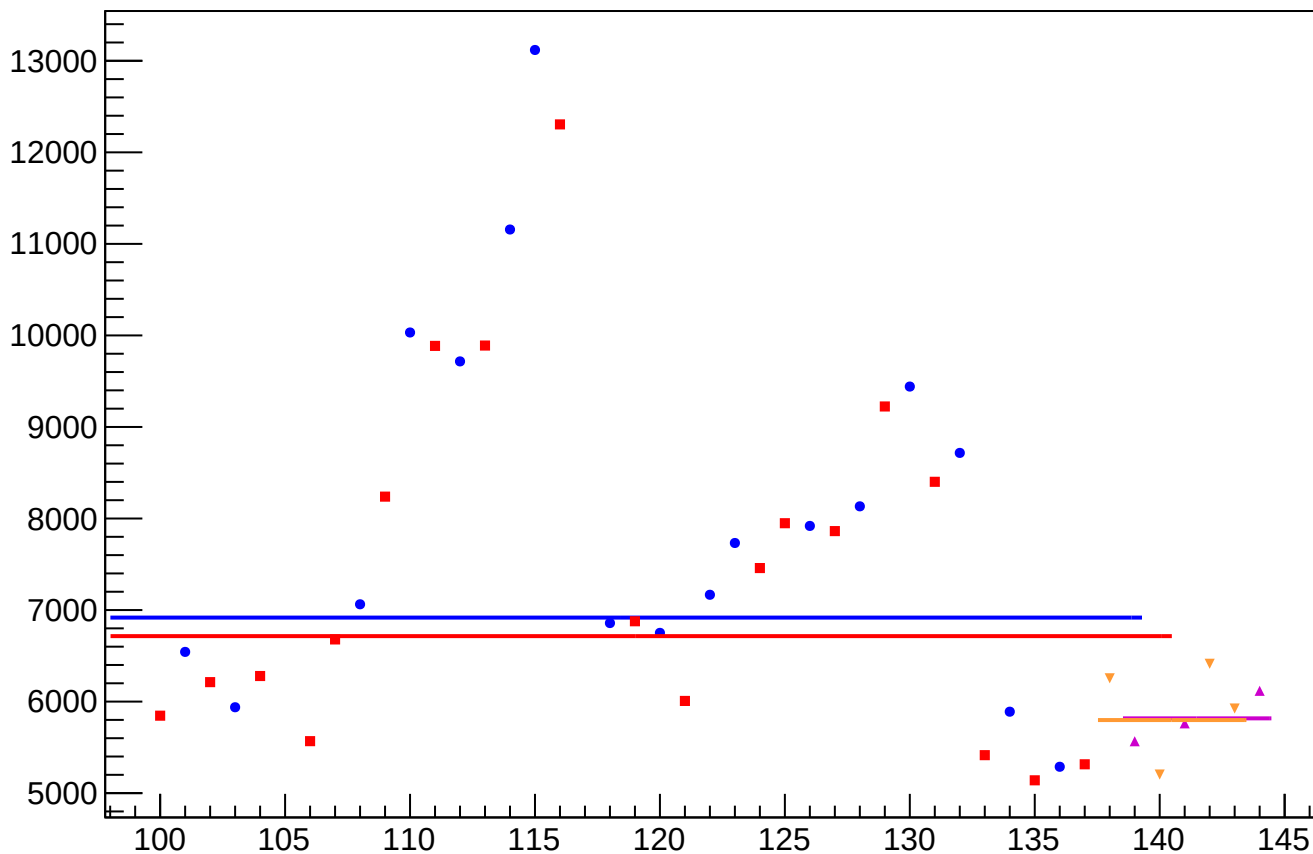
Right: -4.088 ± 1.882 χ^2/NDF : 39.9/35

In: -4.378 ± 2.217 χ^2/NDF : 19.4/19

Out: -2.416 ± 2.103 χ^2/NDF : 30.4/22

All: -3.345 ± 1.526 χ^2/NDF : 50.2/42

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6917.700 ± 1.935 $\chi^2/\text{NDF}: 587164.4/16$

Left Out: 5798.262 ± 2.542 $\chi^2/\text{NDF}: 37001.0/3$

Right Out: 6715.087 ± 1.833 $\chi^2/\text{NDF}: 660008.2/18$

Left In: 5816.853 ± 2.676 $\chi^2/\text{NDF}: 6978.8/2$

Left: 5807.081 ± 1.843 $\chi^2/\text{NDF}: 44005.3/6$

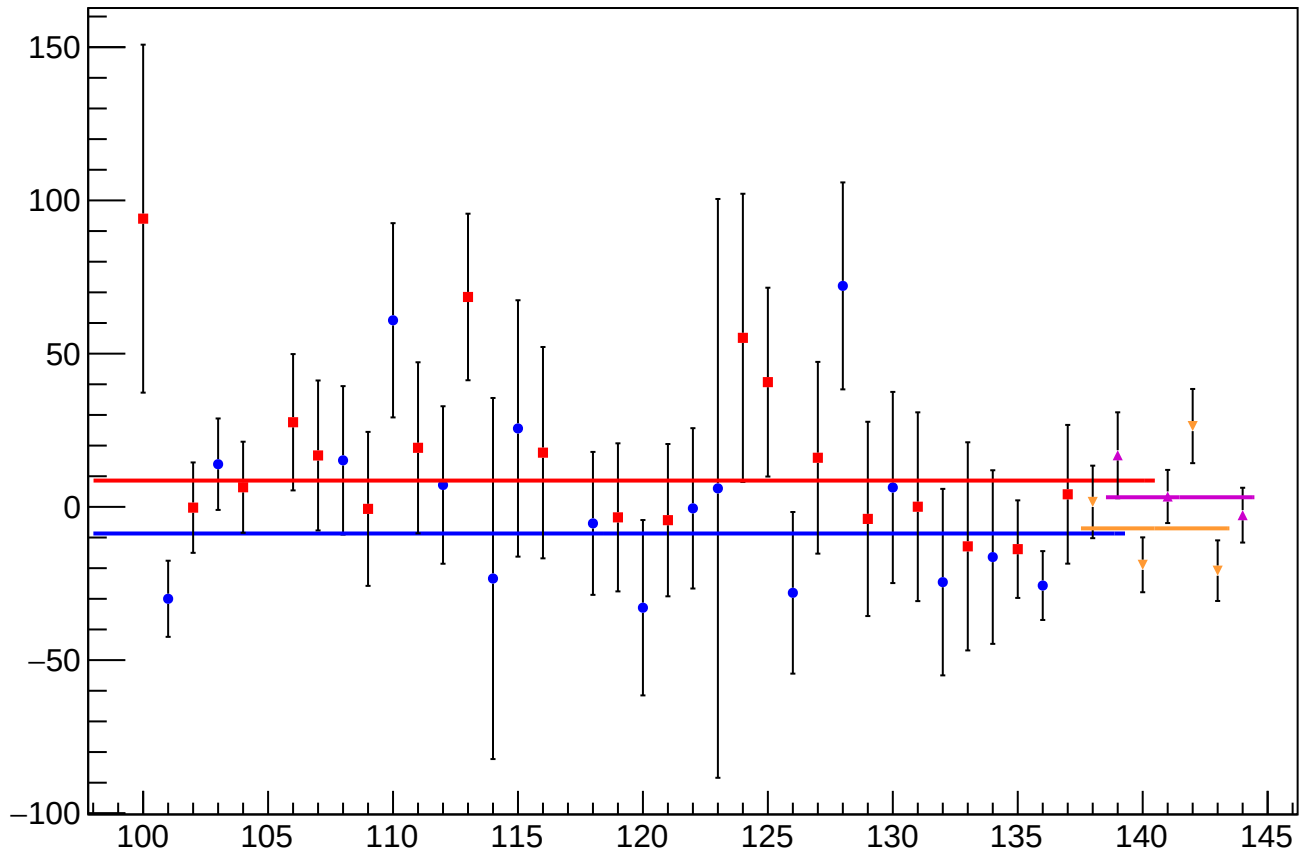
Right: 6810.919 ± 1.331 $\chi^2/\text{NDF}: 1252951.3/35$

In: 6539.742 ± 1.568 $\chi^2/\text{NDF}: 705276.1/19$

Out: 6401.466 ± 1.487 $\chi^2/\text{NDF}: 782584.0/22$

All: 6466.934 ± 1.079 $\chi^2/\text{NDF}: 1491955.1/42$

diff_bpm1X_mean vs Slug, Sign Corrected



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

Left Out: -7.012 ± 5.222 $\chi^2/\text{NDF}: 11.8/3$

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

Left In: 3.139 ± 5.689 $\chi^2/\text{NDF}: 1.4/2$

Left: -2.370 ± 3.847 $\chi^2/\text{NDF}: 15.0/6$

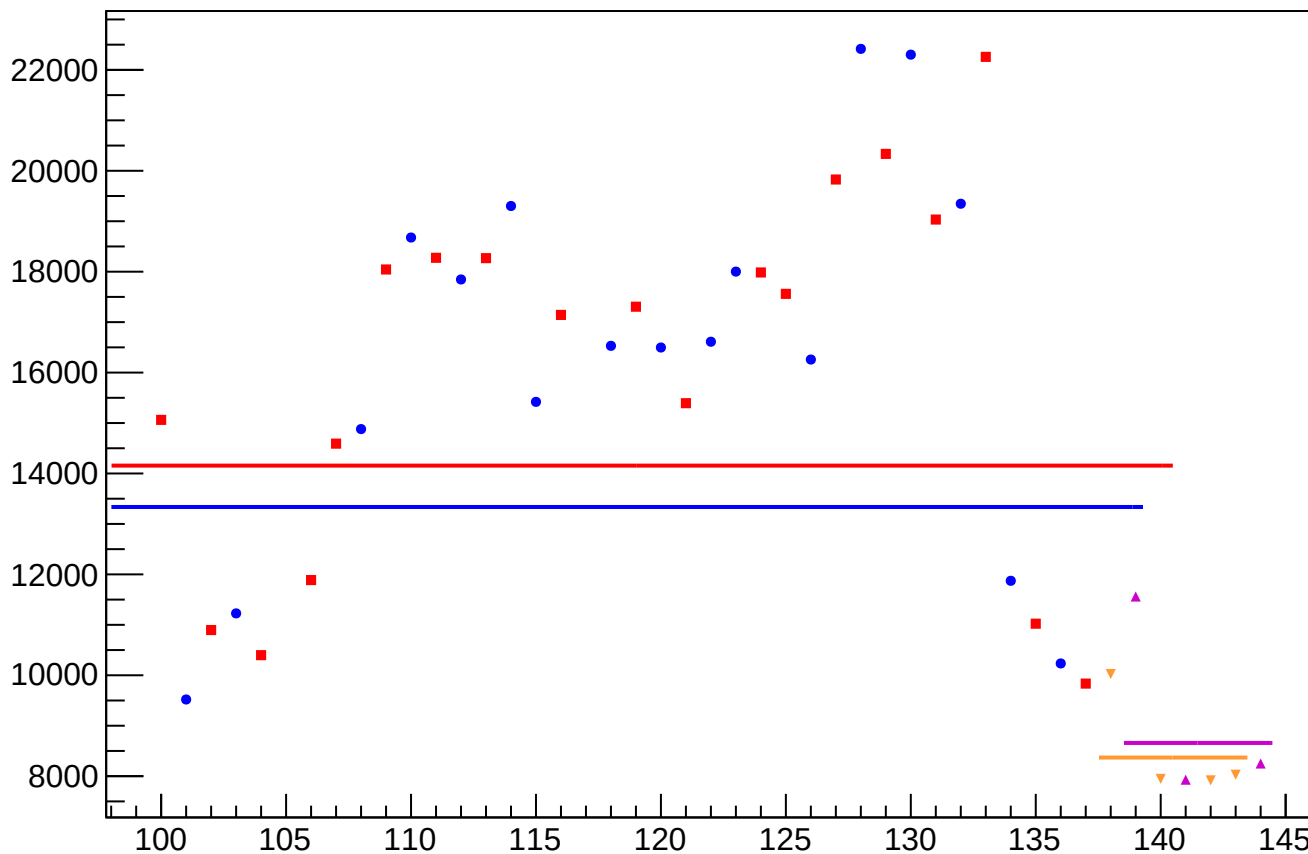
Right: -0.232 ± 3.859 $\chi^2/\text{NDF}: 41.1/35$

In: -3.080 ± 3.917 $\chi^2/\text{NDF}: 25.8/19$

Out: 0.361 ± 3.792 $\chi^2/\text{NDF}: 30.1/22$

All: -1.304 ± 2.725 $\chi^2/\text{NDF}: 56.2/42$

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13335.843+/-3.819 χ^2/NDF : 1049247.5/16

Left Out: 8368.847+/-3.693 χ^2/NDF : 48779.4/3

Right Out: 14155.967+/-3.901 χ^2/NDF : 932431.0/18

Left In: 8658.558+/-4.023 χ^2/NDF : 104047.5/2

Left: 8501.329+/-2.720 χ^2/NDF : 155641.6/6

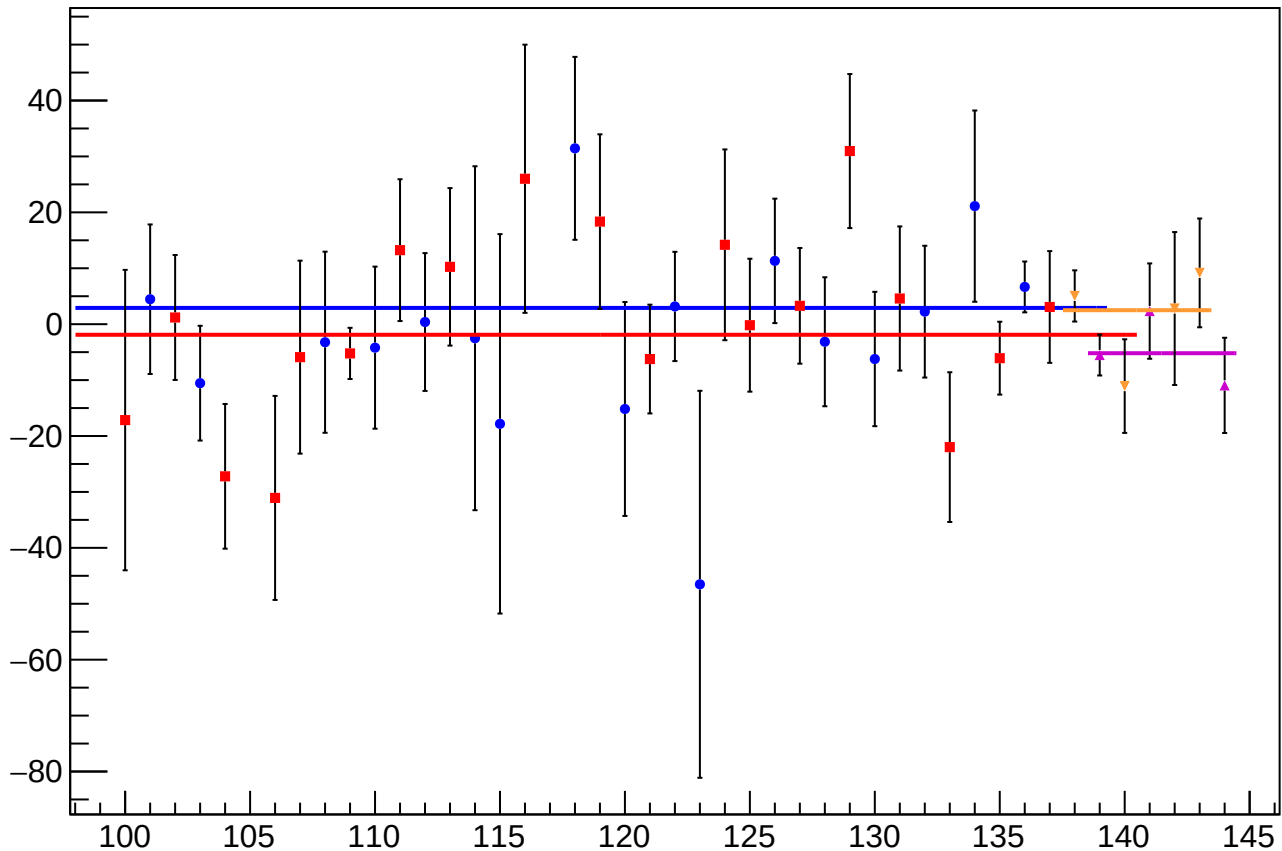
Right: 13737.272+/-2.729 χ^2/NDF : 2004248.2/35

In: 11118.549+/-2.770 χ^2/NDF : 1864272.4/19

Out: 11104.155+/-2.682 χ^2/NDF : 2142041.6/22

All: 11111.119+/-1.927 χ^2/NDF : 4006327.9/4

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.911 $\pm$ 2.758 χ^2/NDF : 11.8/16

Left Out: 2.500 $\pm$ 3.584 χ^2/NDF : 3.4/3

Right Out: -1.892 $\pm$ 2.444 χ^2/NDF : 22.8/18

Left In: -5.192 $\pm$ 3.125 χ^2/NDF : 1.2/2

Left: -1.869 $\pm$ 2.355 χ^2/NDF : 7.3/6

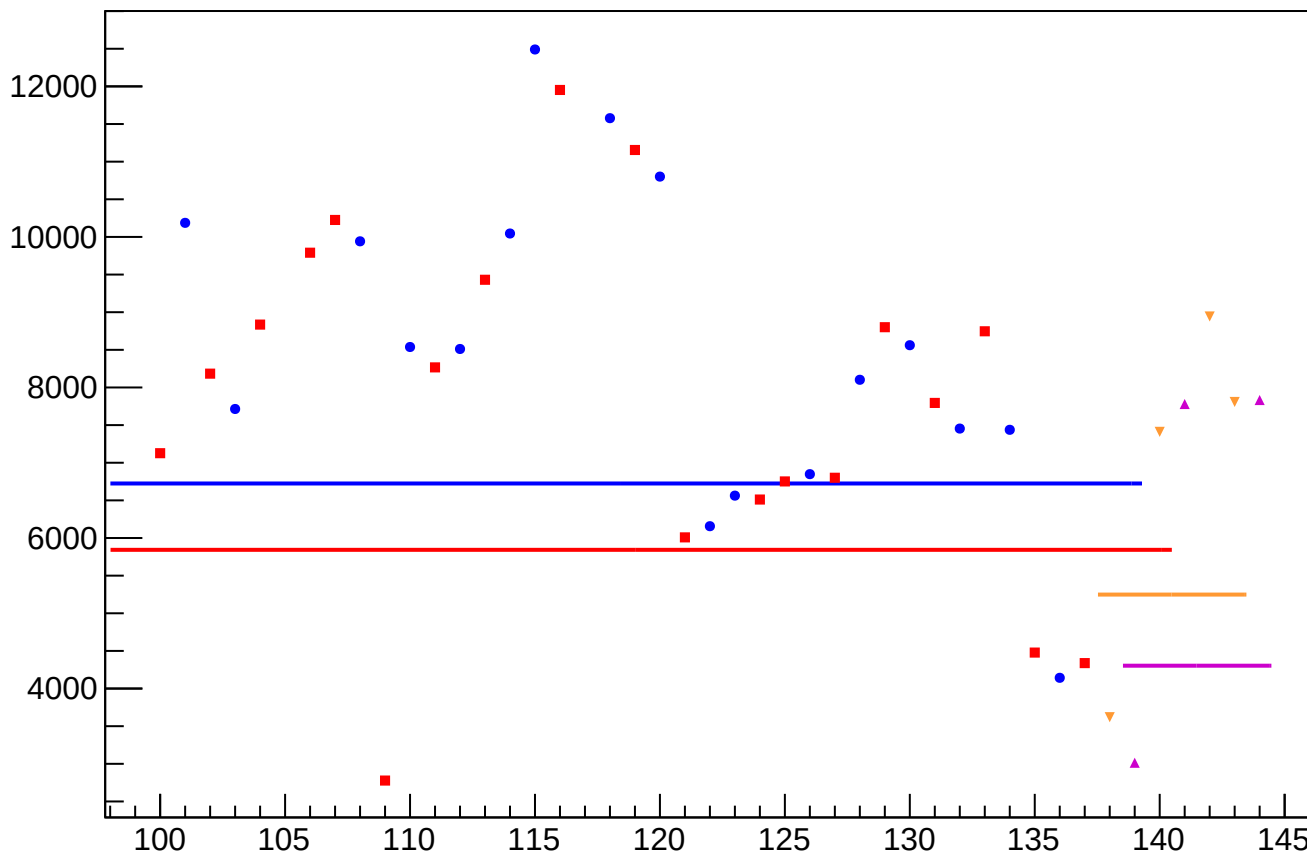
Right: 0.221 $\pm$ 1.829 χ^2/NDF : 36.3/35

In: -0.637 $\pm$ 2.068 χ^2/NDF : 16.8/19

Out: -0.498 $\pm$ 2.019 χ^2/NDF : 27.2/22

All: -0.565 $\pm$ 1.445 χ^2/NDF : 44.0/42

diff_bpm1Y_rms vs Slug, Sign Corrected



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

Left Out: 5248.480+/-2.534 χ^2/NDF : 670984.7/3

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

Left In: 4303.616+/-2.210 χ^2/NDF : 924907.0/2

Left: 4711.790+/-1.665 χ^2/NDF : 1674868.4/6

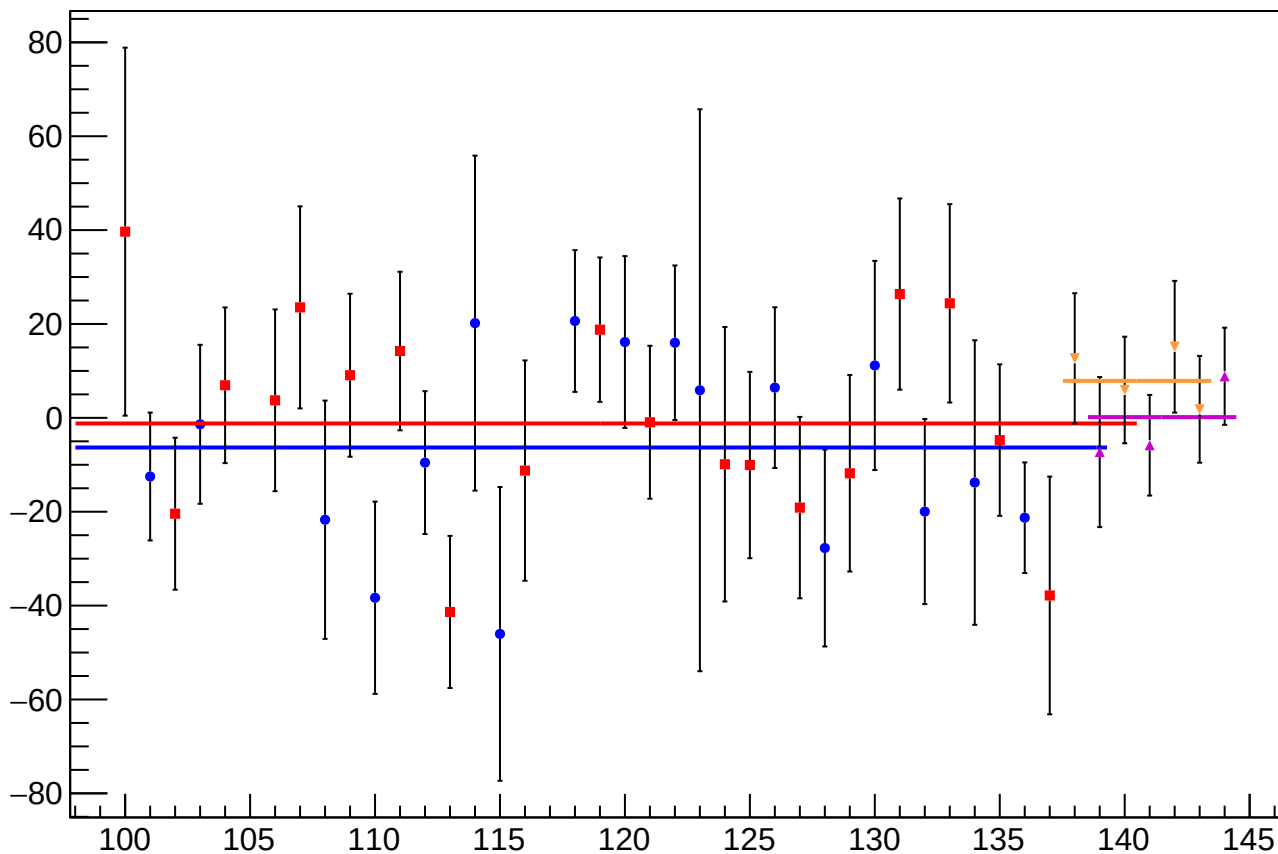
Right: 6230.735+/-1.293 χ^2/NDF : 3786855.2/35

In: 5664.646+/-1.462 χ^2/NDF : 2991284.0/19

Out: 5654.271+/-1.428 χ^2/NDF : 2989300.1/22

All: 5659.335+/-1.021 χ^2/NDF : 5980609.8/42

diff_bpm11X_mean vs Slug, Sign Corrected



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

Left Out: 7.877 ± 6.229 χ^2/NDF : 0.7/3

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

Left In: 0.158 ± 6.751 χ^2/NDF : 1.2/2

Left: 4.327 ± 4.578 χ^2/NDF : 2.6/6

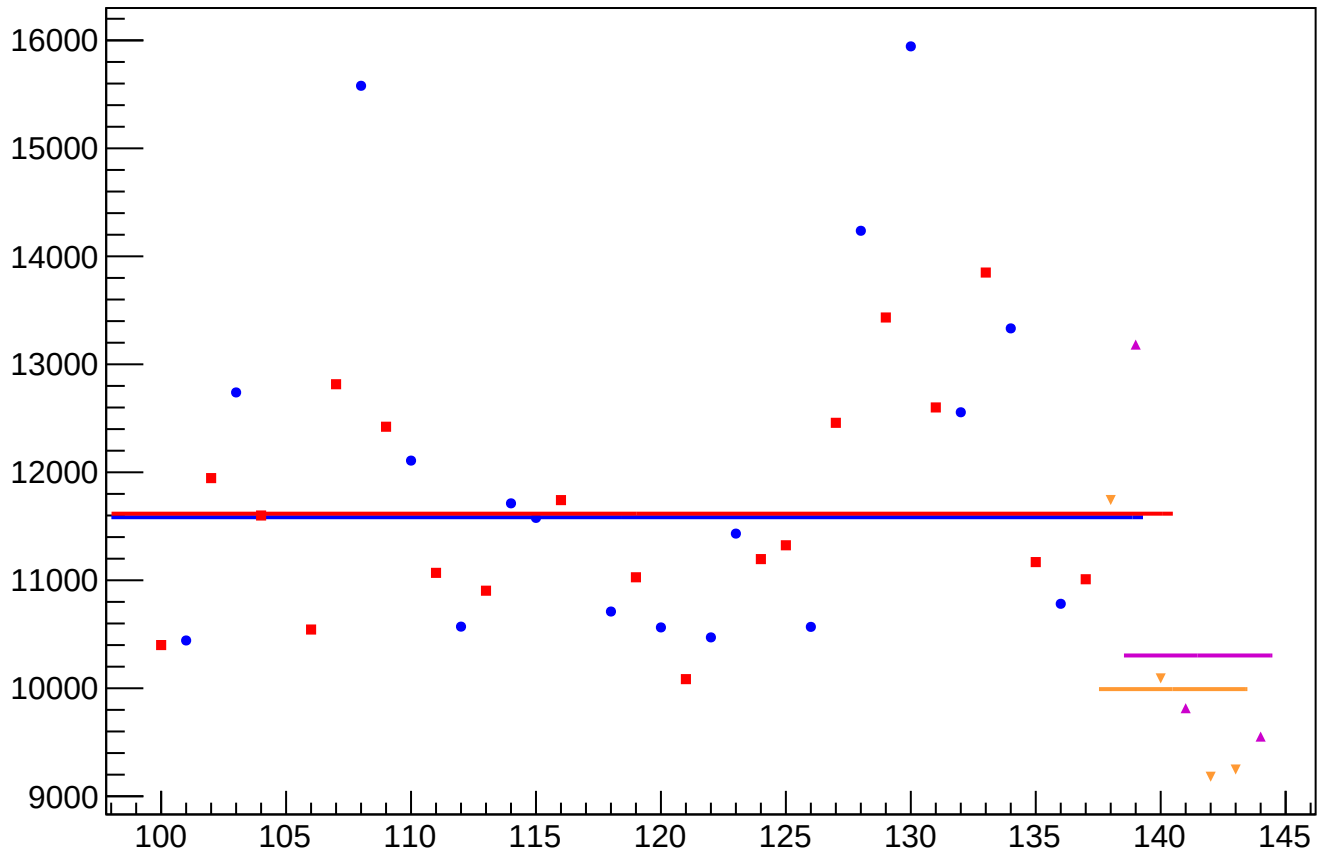
Right: -3.675 ± 3.148 χ^2/NDF : 37.1/35

In: -4.310 ± 3.759 χ^2/NDF : 18.1/19

Out: 1.807 ± 3.584 χ^2/NDF : 22.3/22

All: -1.106 ± 2.594 χ^2/NDF : 41.8/42

diff_bpm11X_rms vs Slug, Sign Corrected



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

Left Out: 9992.192+/-4.404 χ^2/NDF : 47319.0/3

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

Left In: 10303.675+/-4.773 χ^2/NDF : 79501.4/2

Left: 10135.426+/-3.237 χ^2/NDF : 129120.3/6

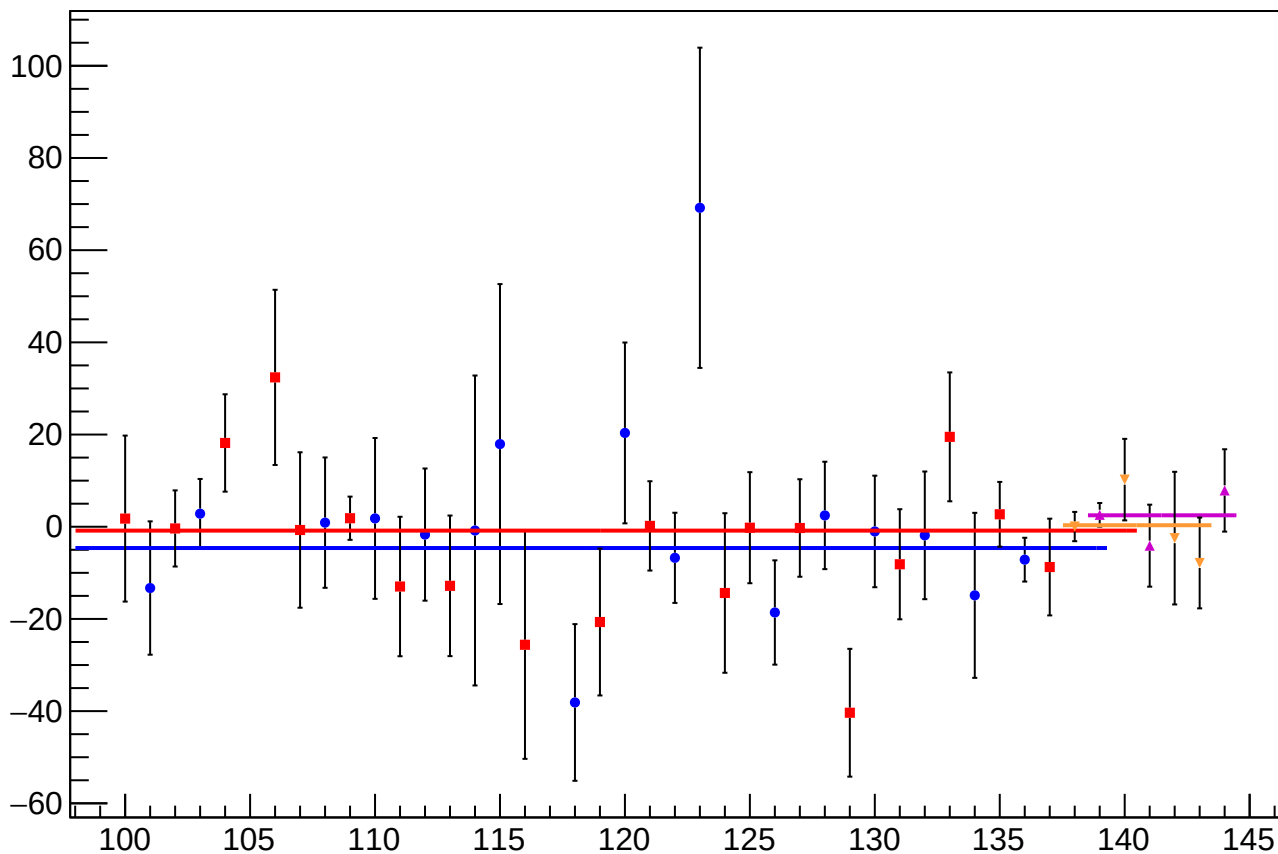
Right: 11600.972+/-2.226 χ^2/NDF : 337068.1/35

In: 11187.119+/-2.658 χ^2/NDF : 370693.8/19

Out: 11079.004+/-2.534 χ^2/NDF : 233805.1/22

All: 11130.488+/-1.834 χ^2/NDF : 605365.7/42

diff_bpm11Y_mean vs Slug, Sign Corrected



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

Left Out: 0.330 ± 2.806 χ^2/NDF : 2.0/3

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

Left In: 2.483 ± 2.373 χ^2/NDF : 0.9/2

Left: 1.586 ± 1.812 χ^2/NDF : 3.2/6

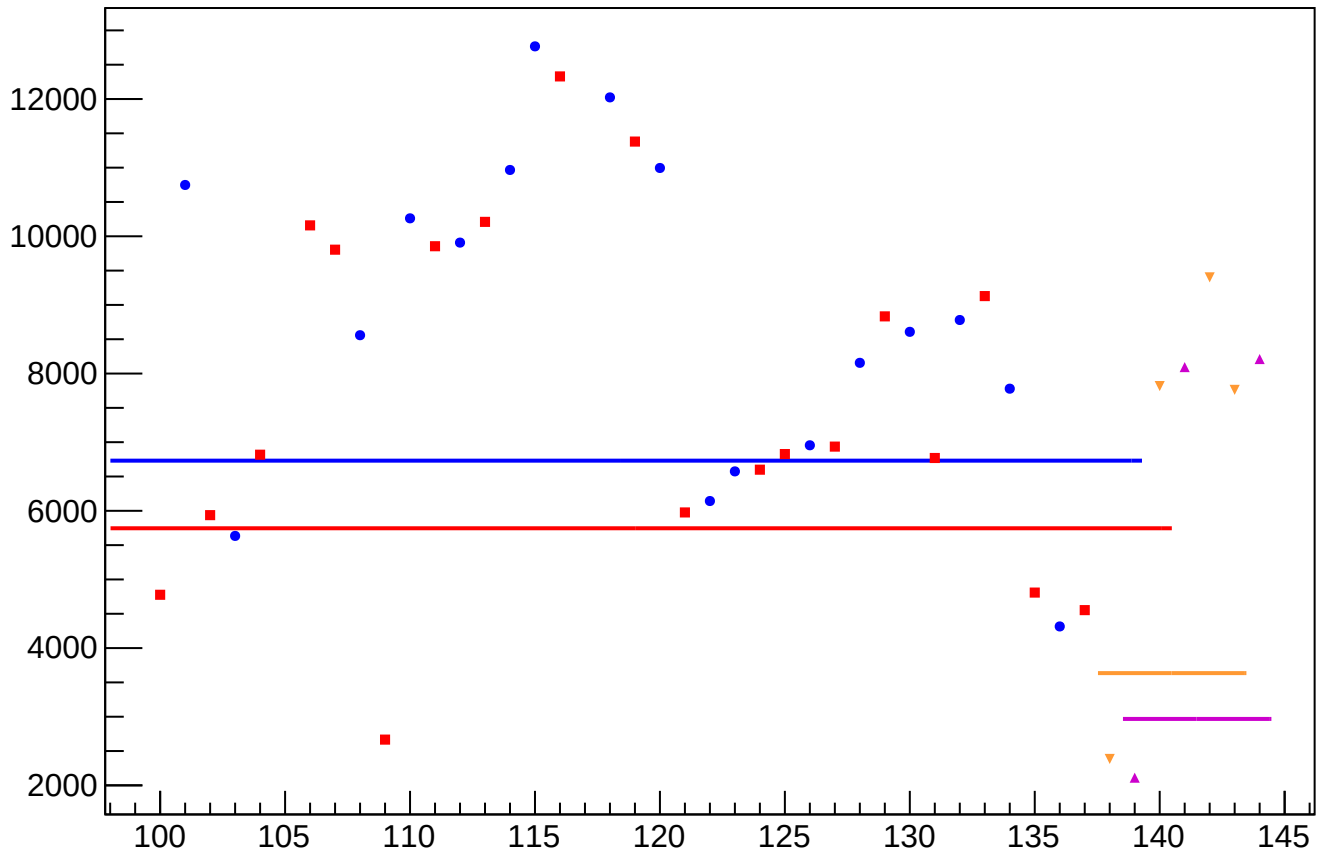
Right: -2.475 ± 1.830 χ^2/NDF : 38.4/35

In: -0.507 ± 1.805 χ^2/NDF : 19.5/19

Out: -0.339 ± 1.837 χ^2/NDF : 24.6/22

All: -0.424 ± 1.288 χ^2/NDF : 44.1/42

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6730.931+/-1.967 χ^2/NDF : 1444572.7/16

Left Out: 3635.355+/-1.984 χ^2/NDF : 1429310.3/3

Right Out: 5745.707+/-1.719 χ^2/NDF : 2164630.9/18

Left In: 2967.820+/-1.678 χ^2/NDF : 1576792.9/2

Left: 3246.071+/-1.281 χ^2/NDF : 3072092.2/6

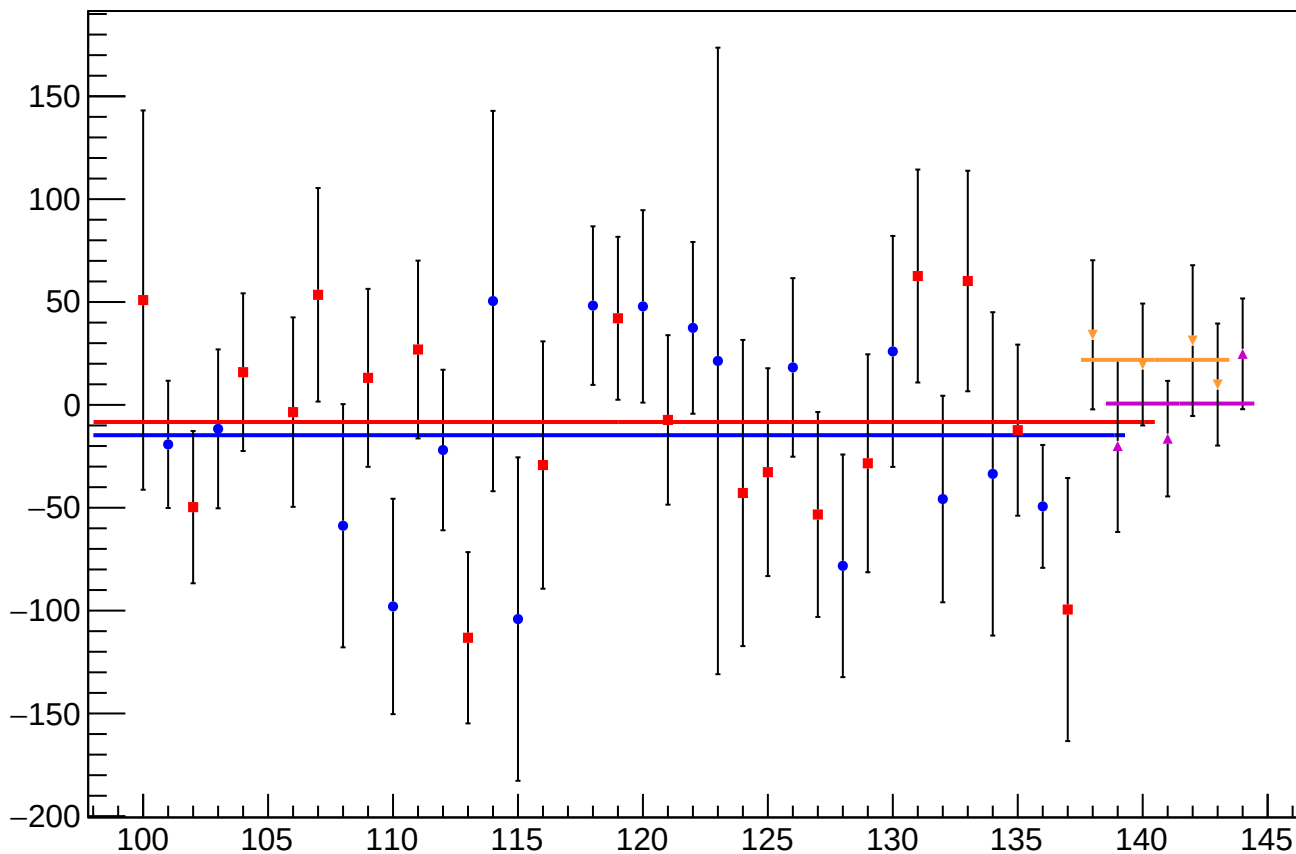
Right: 6172.245+/-1.294 χ^2/NDF : 3751459.2/35

In: 4552.519+/-1.276 χ^2/NDF : 5139990.0/19

Out: 4841.158+/-1.299 χ^2/NDF : 4240134.7/22

All: 4694.295+/-0.911 χ^2/NDF : 9405239.2/42

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -14.734 ± 11.237 χ^2/NDF : 15.3/16

Left Out: 21.887 ± 16.260 χ^2/NDF : 0.3/3

Right Out: -8.323 ± 10.912 χ^2/NDF : 19.5/18

Left In: 0.641 ± 17.623 χ^2/NDF : 1.4/2

Left: 12.117 ± 11.950 χ^2/NDF : 2.6/6

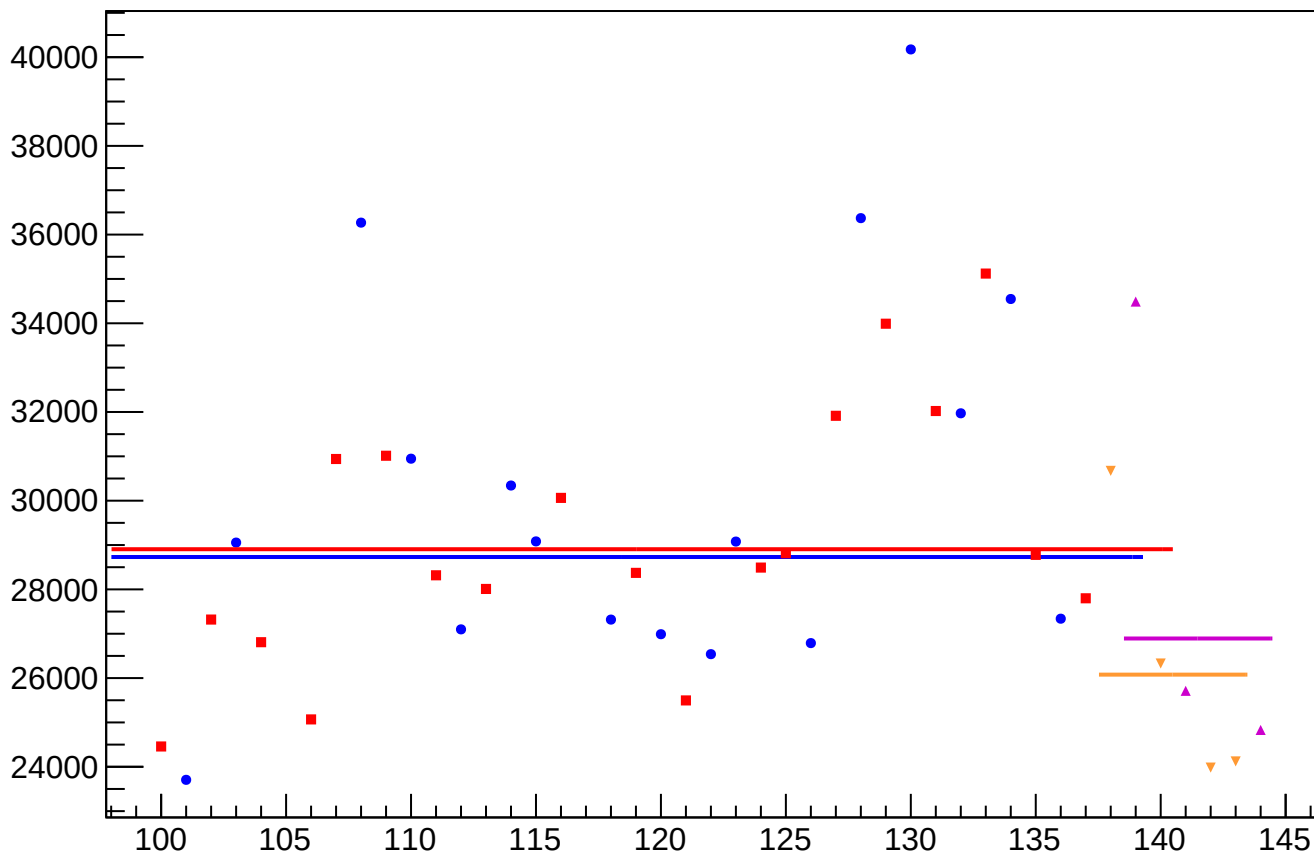
Right: -11.435 ± 7.828 χ^2/NDF : 34.9/35

In: -10.290 ± 9.475 χ^2/NDF : 17.2/19

Out: 1.058 ± 9.061 χ^2/NDF : 22.2/22

All: -4.363 ± 6.548 χ^2/NDF : 40.2/42

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28729.913+/-7.946 χ^2/NDF : 254816.0/16

Left Out: 26077.867+/-11.498 χ^2/NDF : 47536.0/3

Right Out: 28905.793+/-7.716 χ^2/NDF : 112668.4/18

Left In: 26892.617+/-12.461 χ^2/NDF : 81245.7/2

Left: 26452.525+/-8.450 χ^2/NDF : 131090.7/6

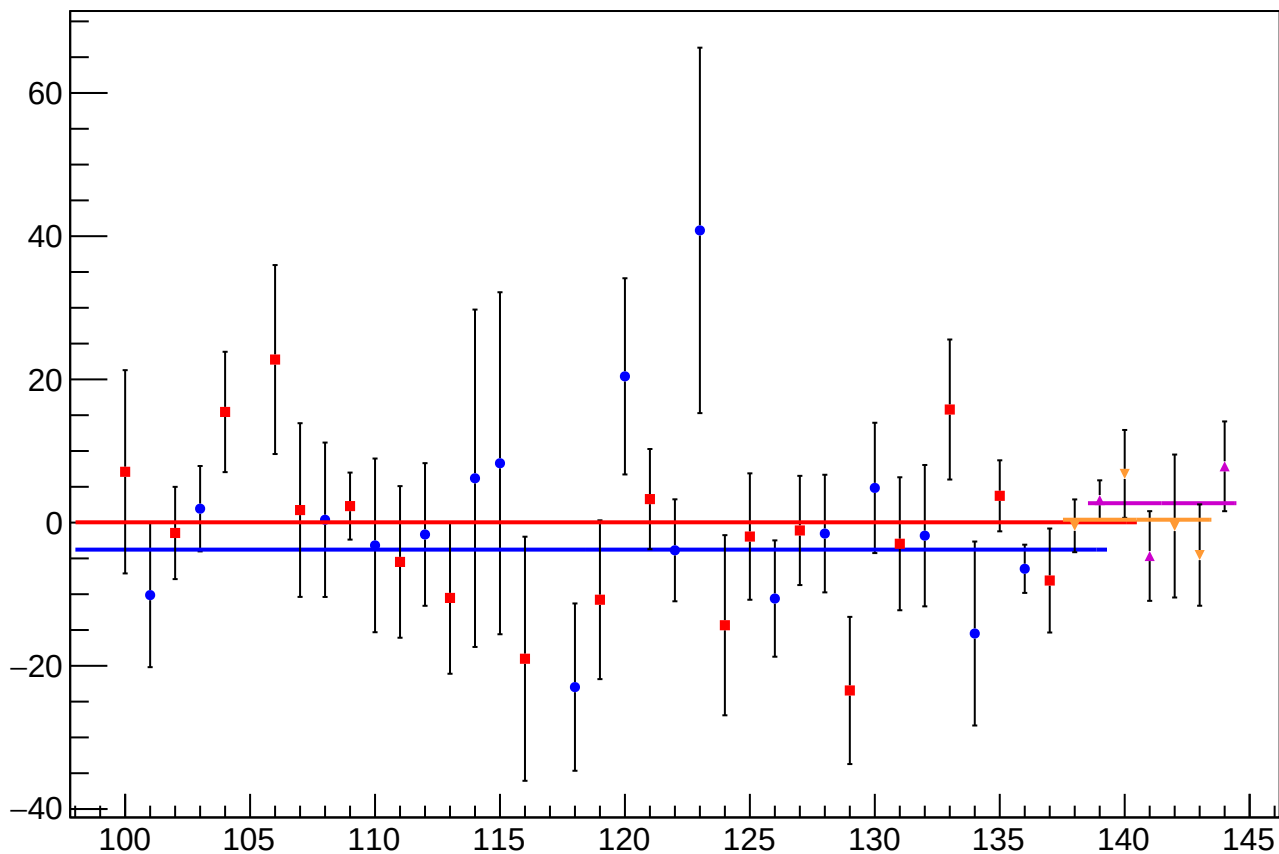
Right: 28820.430+/-5.536 χ^2/NDF : 367736.6/35

In: 28198.837+/-6.700 χ^2/NDF : 351516.9/19

Out: 28027.637+/-6.407 χ^2/NDF : 201914.2/22

All: 28109.418+/-4.630 χ^2/NDF : 553772.2/42

diff_bpm12Y_mean vs Slug, Sign Corrected



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

Left Out: 0.403 ± 2.771 χ^2/NDF : 1.6/3

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

Left In: 2.710 ± 2.343 χ^2/NDF : 2.1/2

Left: 1.748 ± 1.789 χ^2/NDF : 4.1/6

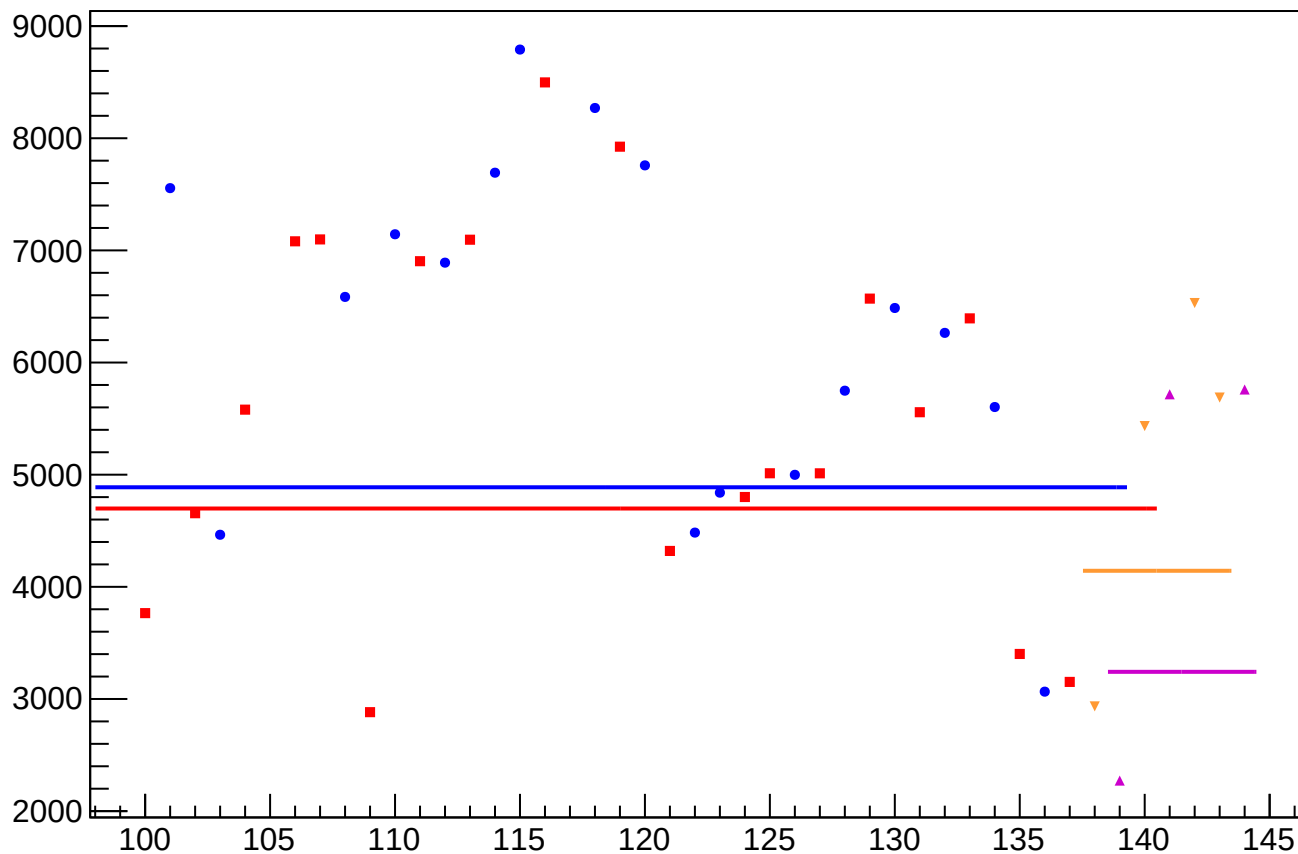
Right: -1.752 ± 1.378 χ^2/NDF : 37.6/35

In: -1.025 ± 1.526 χ^2/NDF : 20.5/19

Out: 0.157 ± 1.564 χ^2/NDF : 23.3/22

All: -0.449 ± 1.092 χ^2/NDF : 44.1/42

diff_bpm12Y_rms vs Slug, Sign Corrected



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

Left Out: 4143.150+/-1.959 χ^2/NDF : 513505.1/3

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

Left In: 3242.103+/-1.657 χ^2/NDF : 881480.7/2

Left: 3617.806+/-1.265 χ^2/NDF : 1518269.6/6

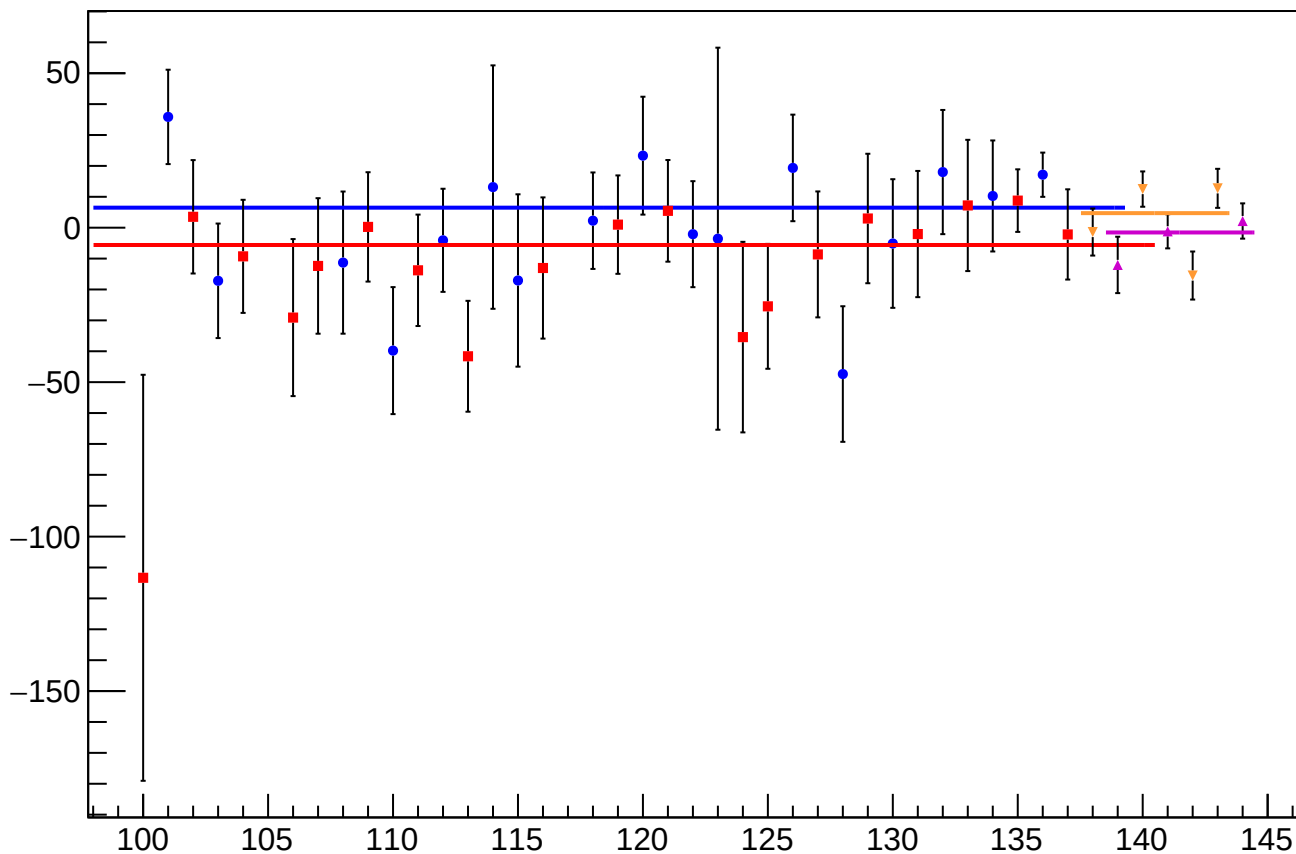
Right: 4787.445+/-0.975 χ^2/NDF : 2734101.5/35

In: 4190.227+/-1.079 χ^2/NDF : 2858335.9/19

Out: 4521.582+/-1.106 χ^2/NDF : 1884292.3/22

All: 4351.830+/-0.772 χ^2/NDF : 4788636.1/42

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.482 $\pm$ 4.072 χ^2/NDF : 22.7/16

Left Out: 4.710 $\pm$ 3.343 χ^2/NDF : 10.9/3

Right Out: -5.601 $\pm$ 4.227 χ^2/NDF : 13.6/18

Left In: -1.548 $\pm$ 3.639 χ^2/NDF : 1.8/2

Left: 1.846 $\pm$ 2.462 χ^2/NDF : 14.2/6

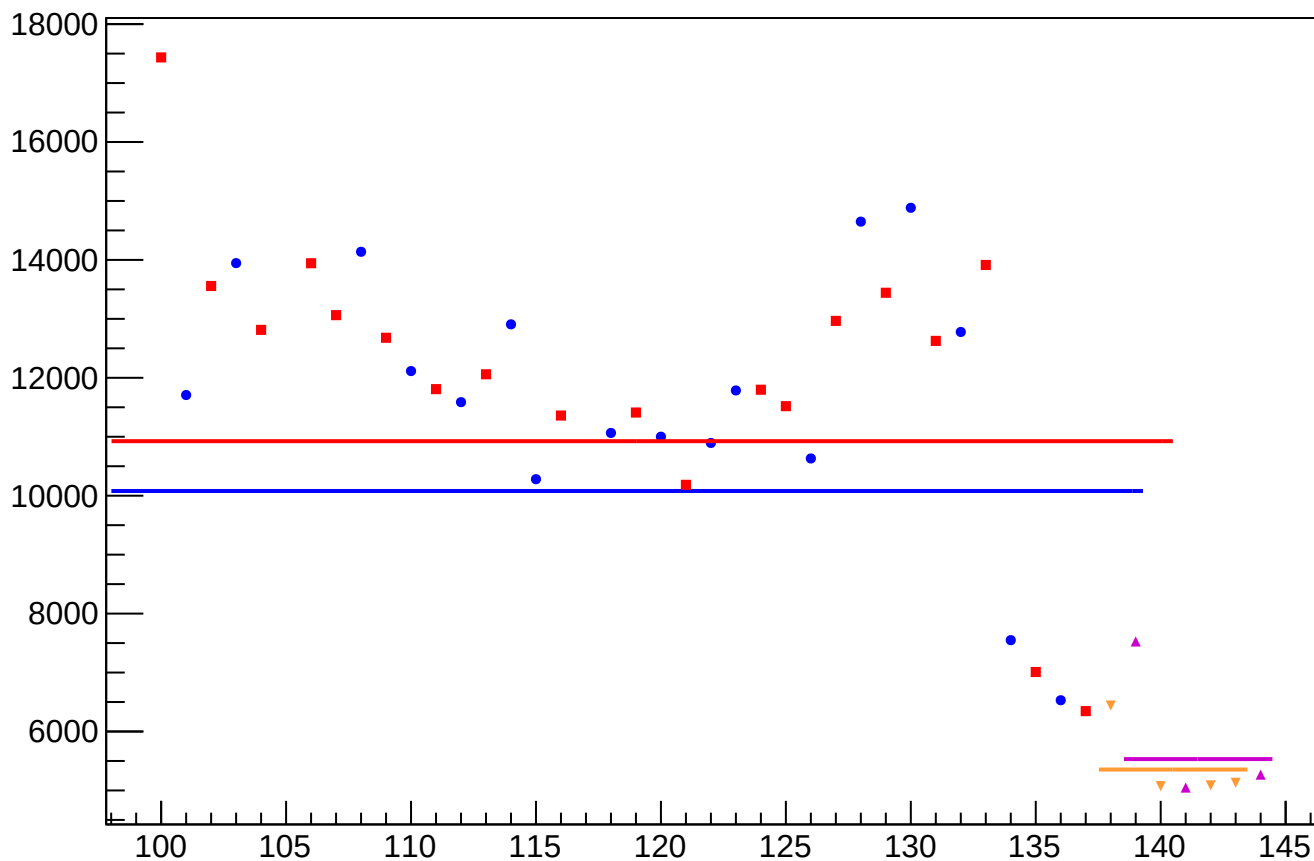
Right: 0.666 $\pm$ 2.933 χ^2/NDF : 40.5/35

In: 2.017 $\pm$ 2.714 χ^2/NDF : 26.7/19

Out: 0.742 $\pm$ 2.622 χ^2/NDF : 28.1/22

All: 1.358 $\pm$ 1.886 χ^2/NDF : 54.9/42

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10079.938+/-2.879 χ^2 /NDF: 999414.2/16

Left Out: 5354.748+/-2.364 χ^2 /NDF: 50464.6/3

Right Out: 10924.946+/-2.989 χ^2 /NDF: 769663.7/18

Left In: 5532.065+/-2.573 χ^2 /NDF: 115215.0/2

Left: 5435.904+/-1.741 χ^2 /NDF: 168254.4/6

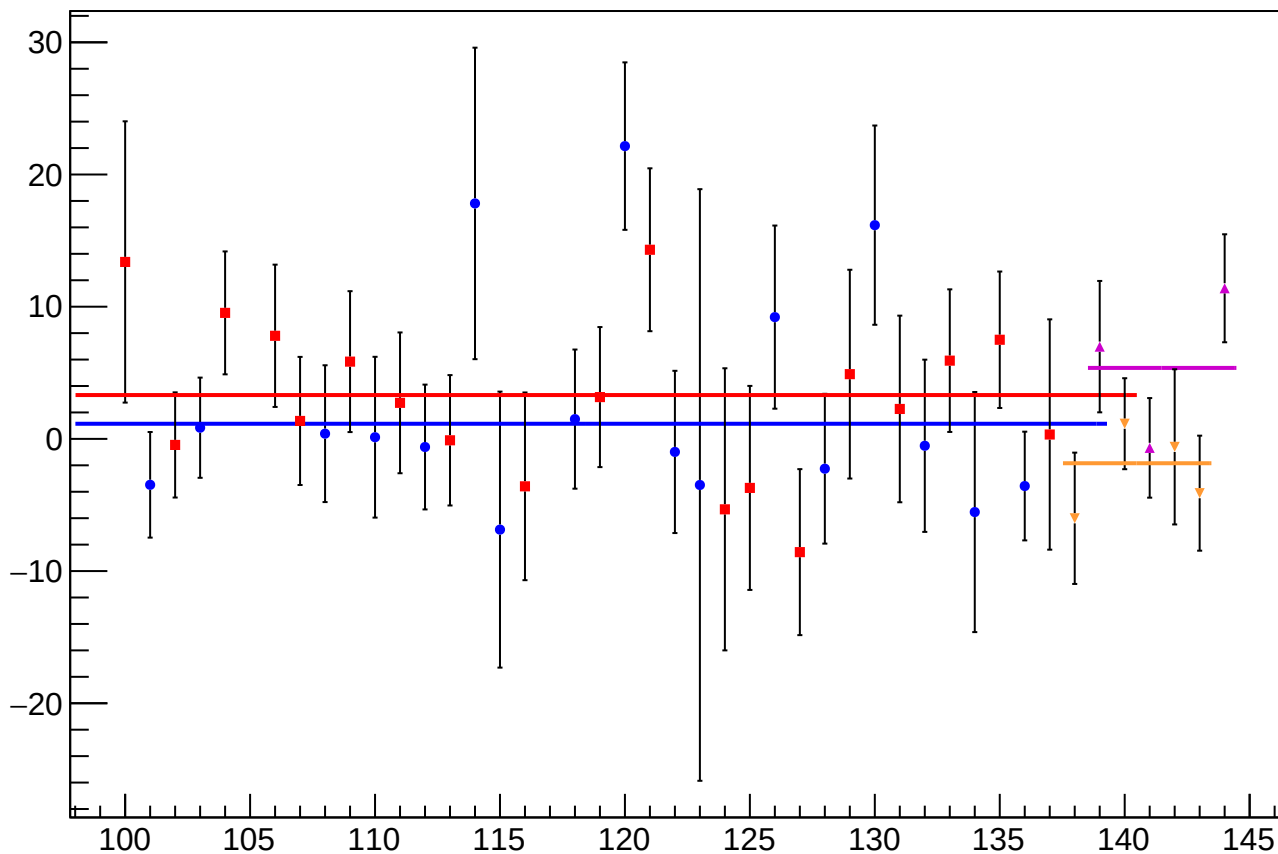
Right: 10486.688+/-2.074 χ^2 /NDF: 1810531.7/35

In: 7551.518+/-1.919 χ^2 /NDF: 2501493.6/19

Out: 7498.427+/-1.854 χ^2 /NDF: 2956605.8/22

All: 7524.064+/-1.333 χ^2 /NDF: 5458495.2/42

diff_bpm16Y_mean vs Slug, Sign Corrected



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

Left Out: -1.842+/-2.199 χ^2/NDF : 1.8/3

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

Left In: 5.369+/-2.419 χ^2/NDF : 4.9/2

Left: 1.420+/-1.627 χ^2/NDF : 11.5/6

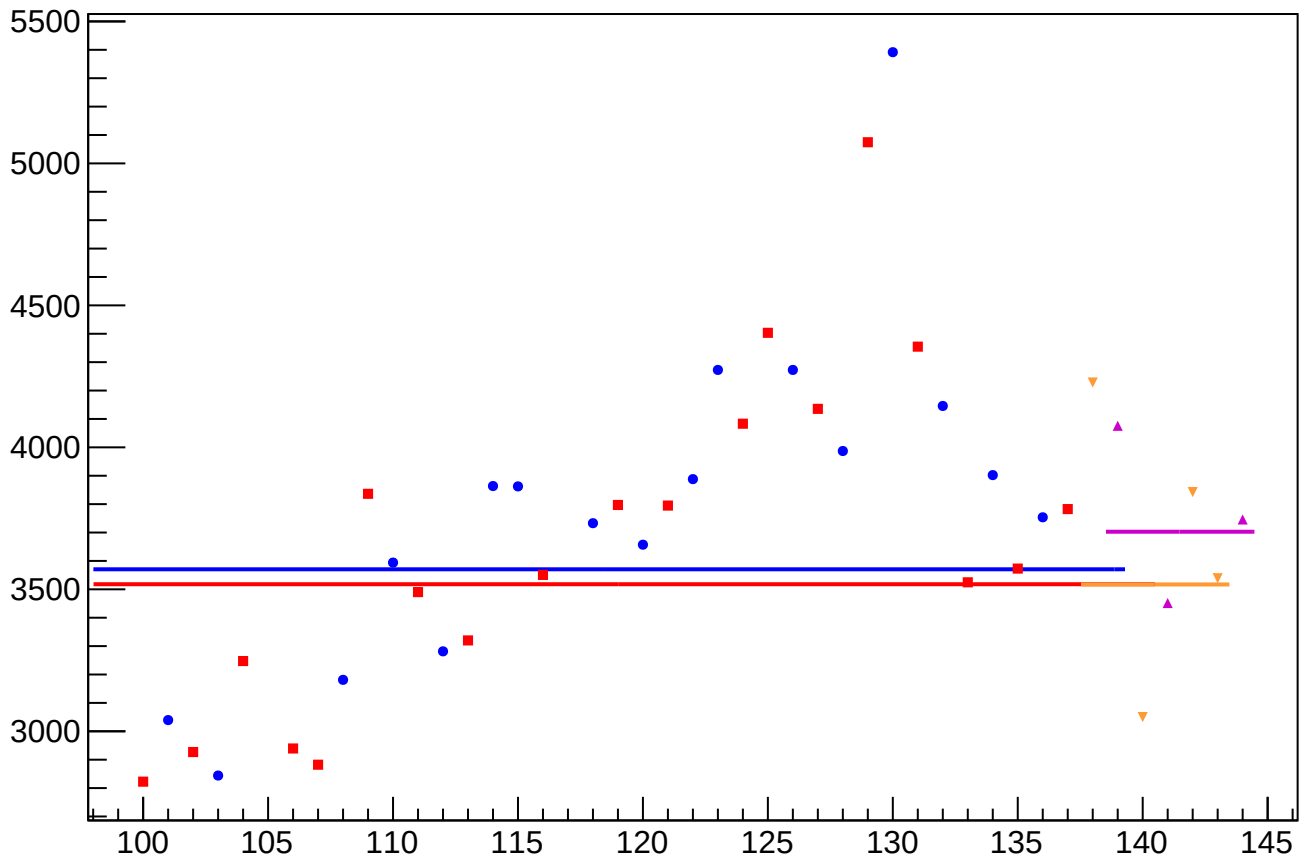
Right: 2.280+/-0.965 χ^2/NDF : 39.6/35

In: 2.201+/-1.210 χ^2/NDF : 30.0/19

Out: 1.926+/-1.141 χ^2/NDF : 21.2/22

All: 2.056+/-0.830 χ^2/NDF : 51.3/42

diff_bpm16Y_rms vs Slug, Sign Corrected



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

Left Out: 3517.106 $\pm$ 1.555 χ^2/NDF : 84037.7/3

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

Left In: 3702.820 $\pm$ 1.711 χ^2/NDF : 20385.0/2

Left: 3601.124 $\pm$ 1.151 χ^2/NDF : 110877.1/6

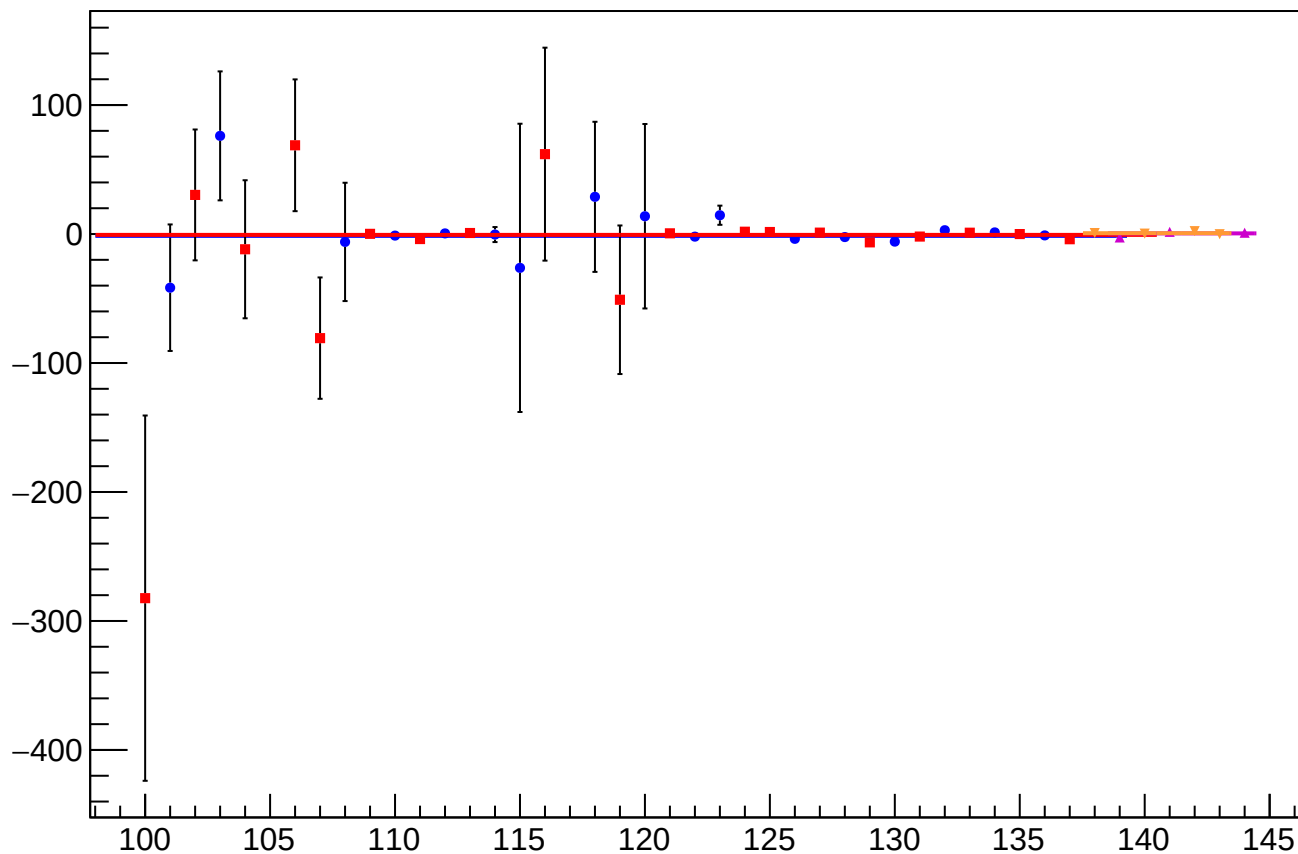
Right: 3543.048 $\pm$ 0.683 χ^2/NDF : 608059.5/35

In: 3603.650 $\pm$ 0.856 χ^2/NDF : 335270.0/19

Out: 3517.725 $\pm$ 0.807 χ^2/NDF : 380215.0/22

All: 3558.171 $\pm$ 0.587 χ^2/NDF : 720821.1/42

diff_bpm1p02bX_mean vs Slug, Sign Corrected



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

Left Out: 0.646 ± 0.626 χ^2/NDF : 1.8/3

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

Left In: 0.503 ± 0.659 χ^2/NDF : 6.5/2

Left: 0.578 ± 0.454 χ^2/NDF : 8.3/6

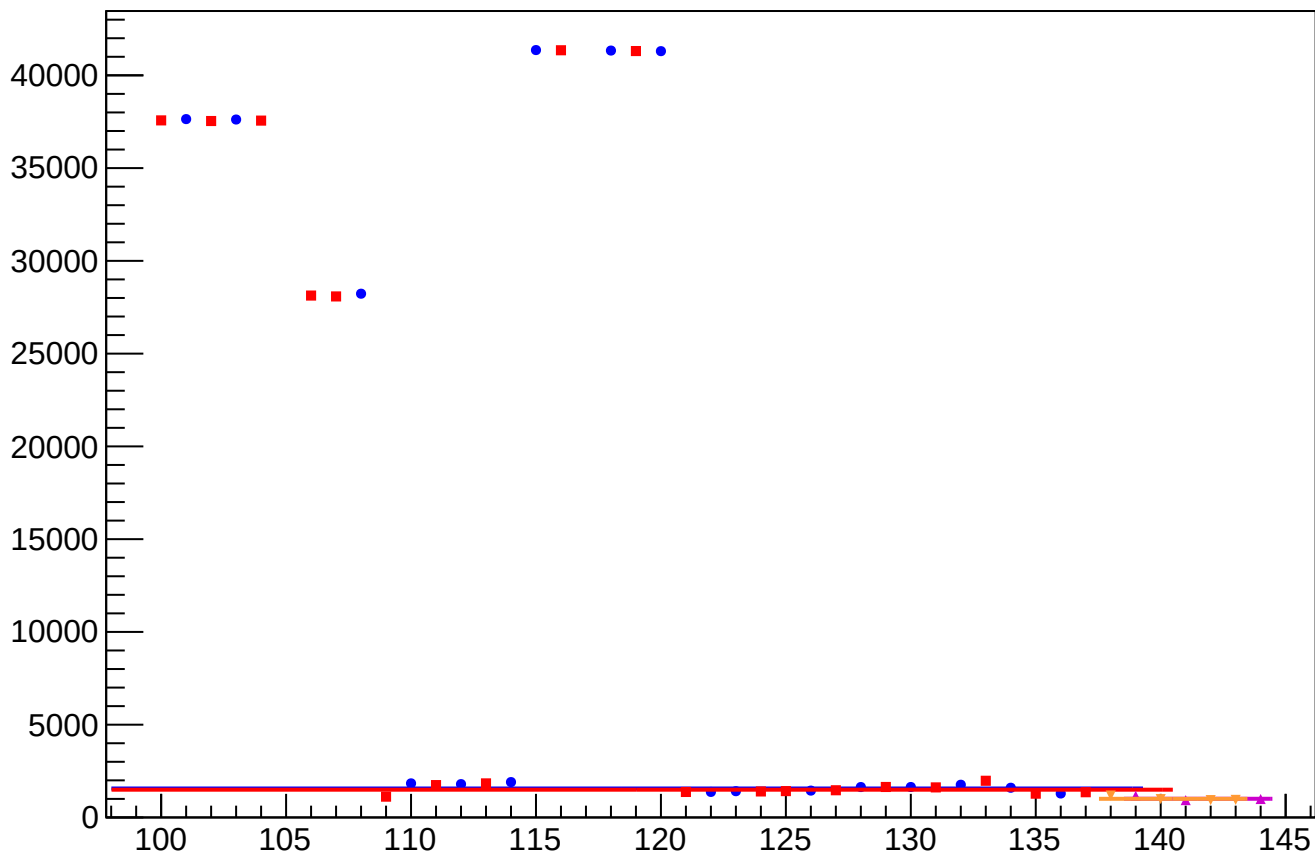
Right: -1.014 ± 0.517 χ^2/NDF : 38.7/35

In: -0.326 ± 0.495 χ^2/NDF : 26.9/19

Out: 0.076 ± 0.470 χ^2/NDF : 25.1/22

All: -0.114 ± 0.341 χ^2/NDF : 52.4/42

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1560.531+/-0.531 χ^2 /NDF: 4753218.6/16

Left Out: 1004.964+/-0.442 χ^2 /NDF: 42402.6/3

Right Out: 1496.346+/-0.504 χ^2 /NDF: 4893466.6/18

Left In: 1006.757+/-0.466 χ^2 /NDF: 35937.0/2

Left: 1005.815+/-0.321 χ^2 /NDF: 78347.4/6

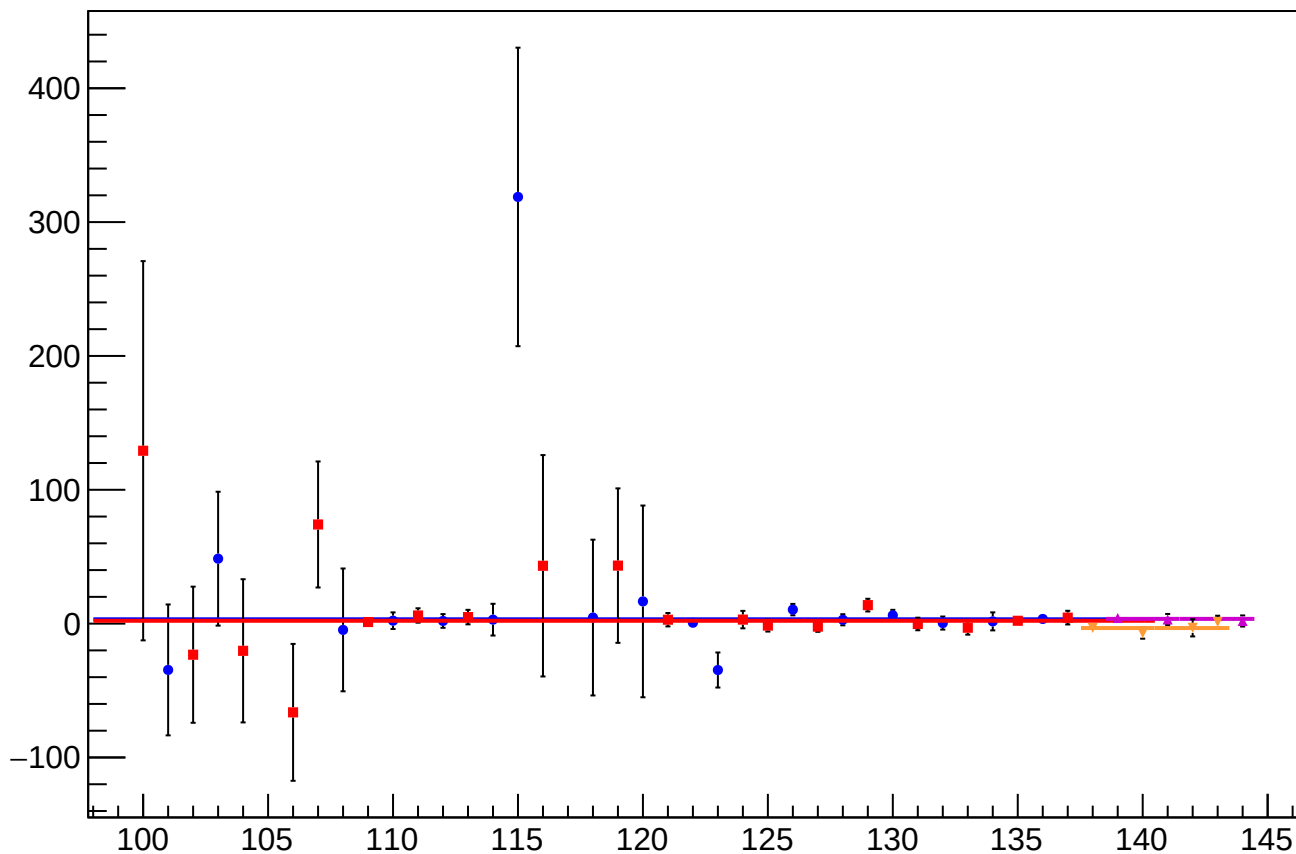
Right: 1526.792+/-0.366 χ^2 /NDF: 9654372.3/35

In: 1247.636+/-0.350 χ^2 /NDF: 5404231.8/19

Out: 1218.762+/-0.333 χ^2 /NDF: 5472410.0/22

All: 1232.460+/-0.241 χ^2 /NDF: 10880217.7/4

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 3.232 ± 1.328 $\chi^2/\text{NDF}: 22.2/16$

Left Out: -3.303 ± 1.755 $\chi^2/\text{NDF}: 1.8/3$

Right Out: 2.138 ± 1.239 $\chi^2/\text{NDF}: 16.5/18$

Left In: 3.547 ± 1.839 $\chi^2/\text{NDF}: 0.2/2$

Left: -0.038 ± 1.269 $\chi^2/\text{NDF}: 9.3/6$

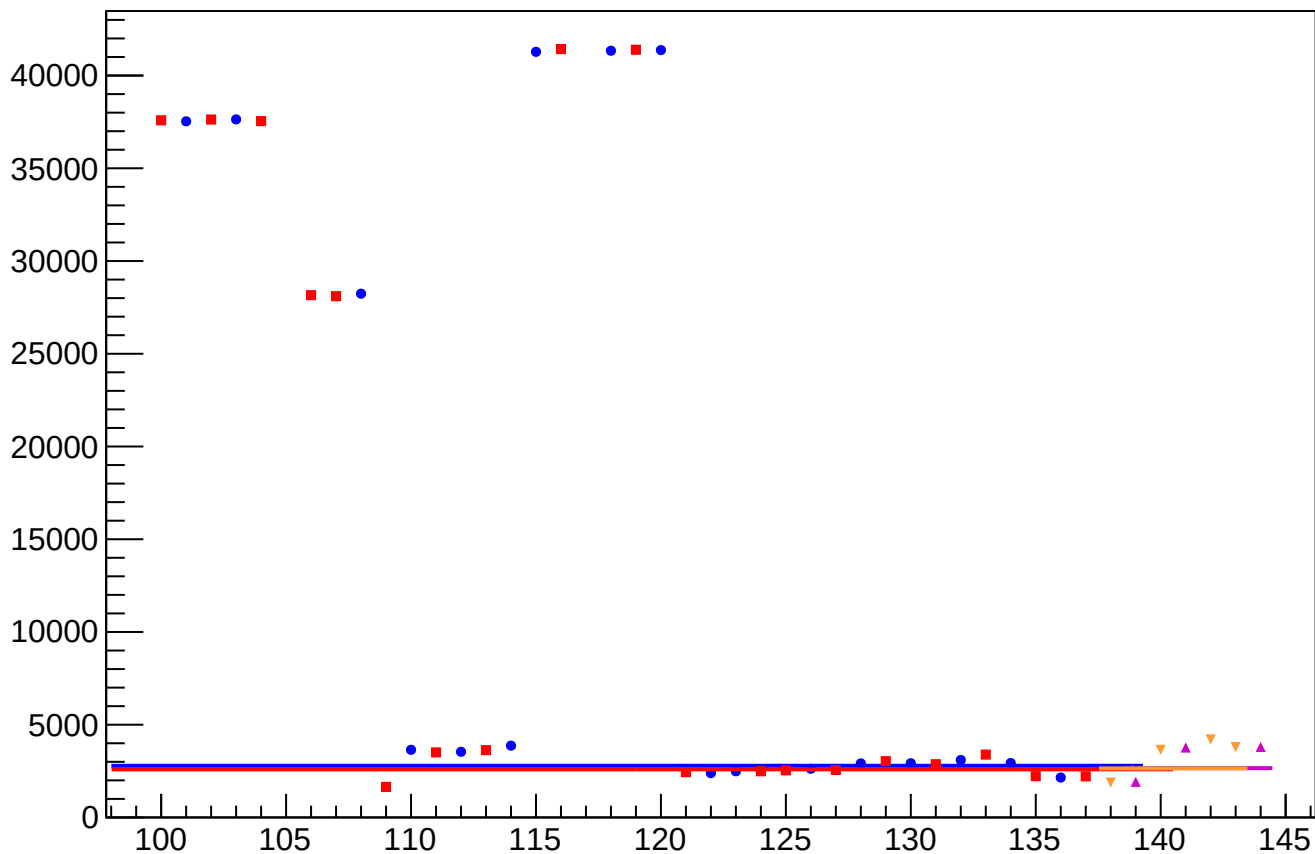
Right: 2.648 ± 0.906 $\chi^2/\text{NDF}: 39.1/35$

In: 3.340 ± 1.076 $\chi^2/\text{NDF}: 22.5/19$

Out: 0.328 ± 1.012 $\chi^2/\text{NDF}: 24.8/22$

All: 1.741 ± 0.737 $\chi^2/\text{NDF}: 51.4/42$

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2786.135 $\pm$ 0.939 χ^2 /NDF: 4576694.3/16

Left Out: 2645.829 $\pm$ 1.241 χ^2 /NDF: 585163.1/3

Right Out: 2593.843 $\pm$ 0.876 χ^2 /NDF: 4848397.1/18

Left In: 2659.429 $\pm$ 1.300 χ^2 /NDF: 492383.8/2

Left: 2652.312 $\pm$ 0.898 χ^2 /NDF: 1077604.1/6

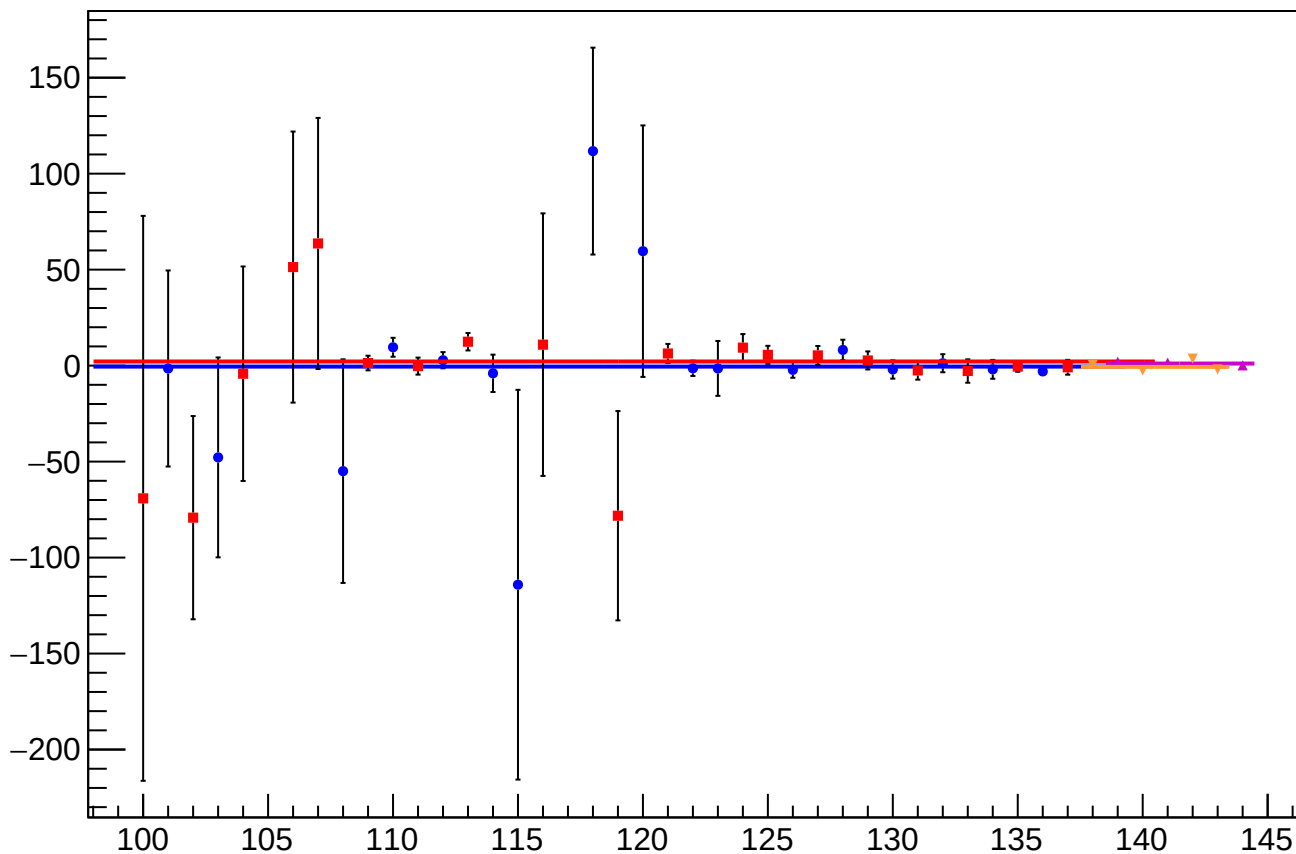
Right: 2683.369 $\pm$ 0.641 χ^2 /NDF: 9447510.4/35

In: 2742.705 $\pm$ 0.761 χ^2 /NDF: 5075321.1/19

Out: 2611.144 $\pm$ 0.716 χ^2 /NDF: 5434731.5/22

All: 2672.888 $\pm$ 0.521 χ^2 /NDF: 10525907.7/4

diff_bpm1p03aX_mean vs Slug, Sign Corrected



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

Left Out: -0.655 ± 0.931 χ^2/NDF : 6.2/3

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

Left In: 1.079 ± 1.004 χ^2/NDF : 0.6/2

Left: 0.147 ± 0.683 χ^2/NDF : 8.4/6

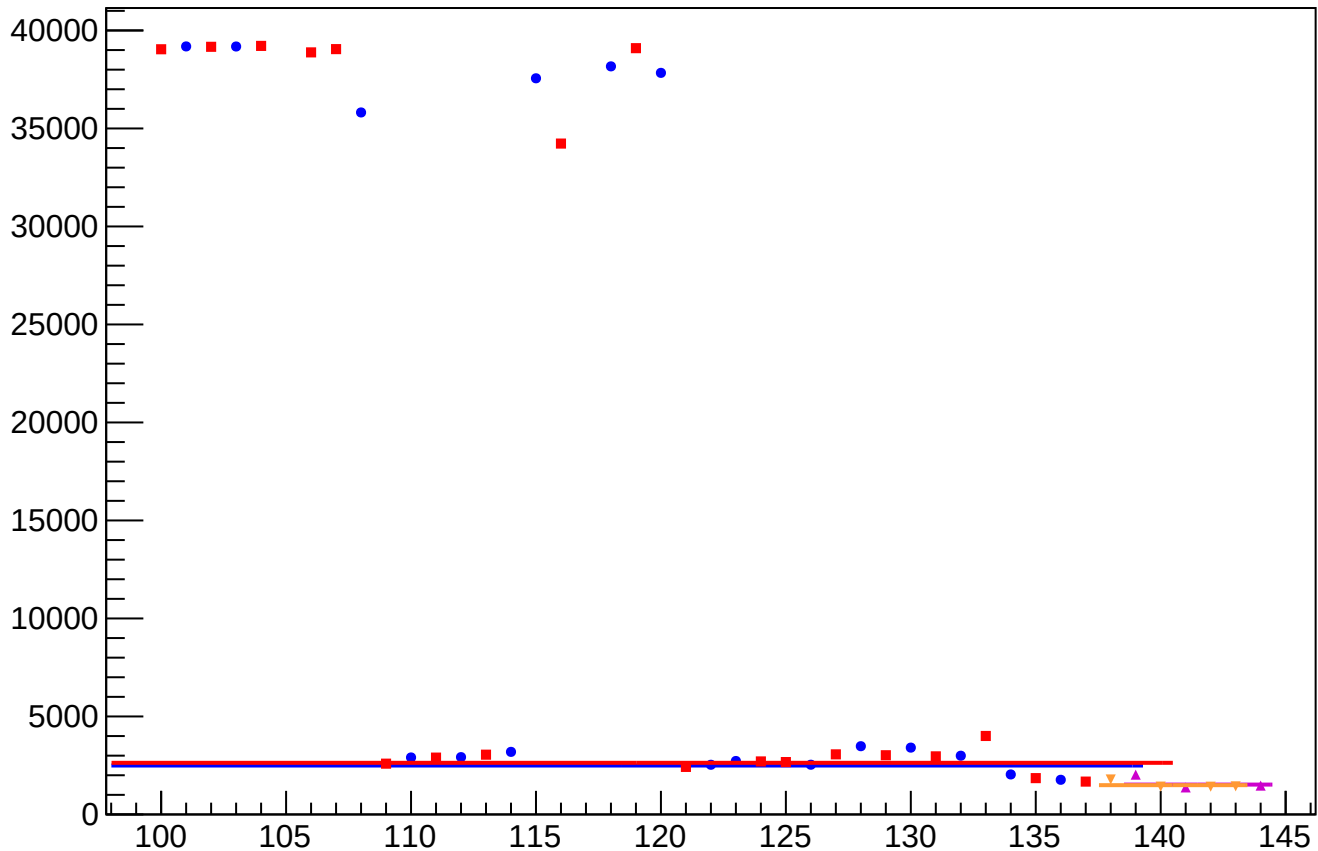
Right: 0.791 ± 0.874 χ^2/NDF : 37.9/35

In: 0.439 ± 0.776 χ^2/NDF : 19.6/19

Out: 0.347 ± 0.747 χ^2/NDF : 27.0/22

All: 0.391 ± 0.538 χ^2/NDF : 46.6/42

diff_bpm1p03aX_rms vs Slug, Sign Corrected



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

Left Out: 1494.572+/-0.659 χ^2/NDF : 47461.8/3

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

Left In: 1523.900+/-0.710 χ^2/NDF : 105105.1/2

Left: 1508.144+/-0.483 χ^2/NDF : 153484.4/6

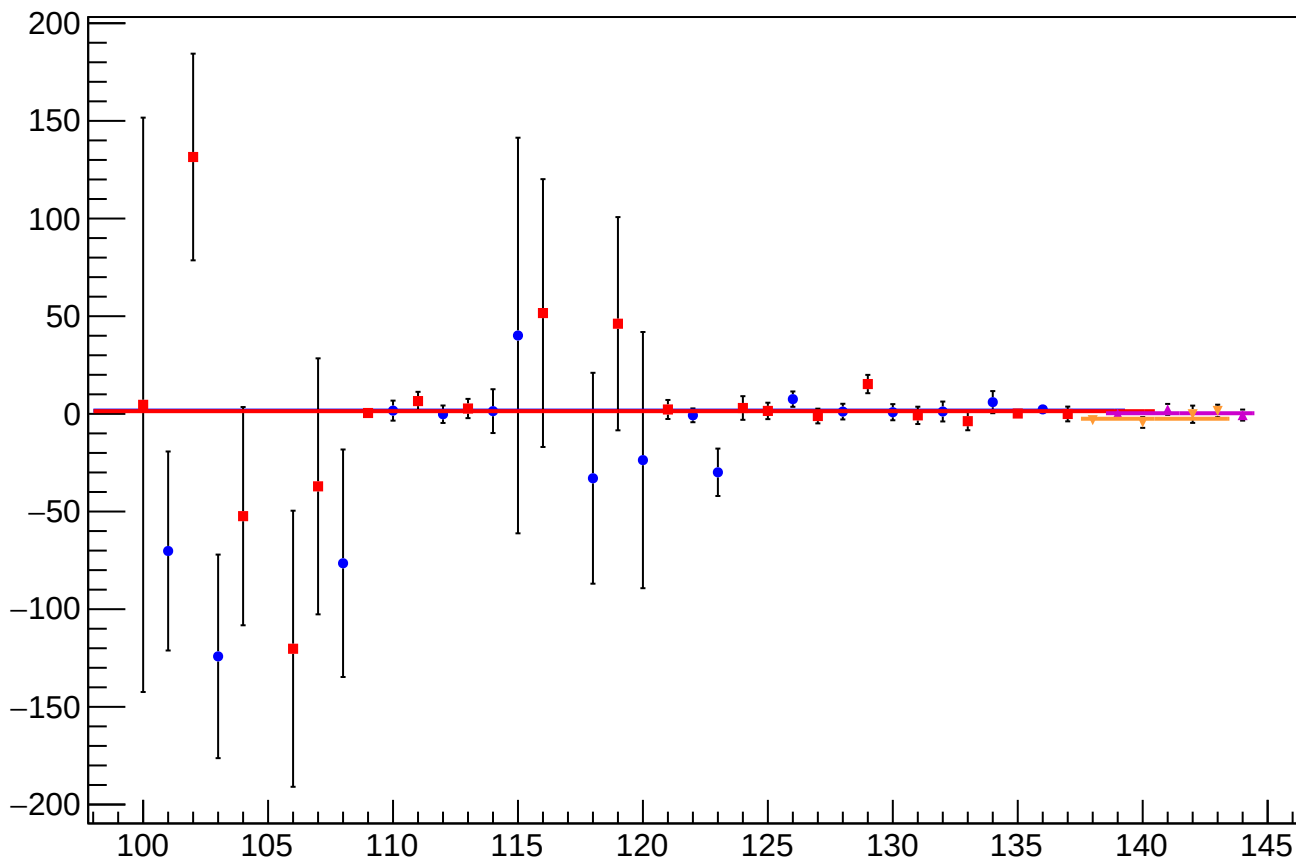
Right: 2564.162+/-0.618 χ^2/NDF : 9761958.6/35

In: 1915.884+/-0.548 χ^2/NDF : 5750121.8/19

Out: 1901.603+/-0.528 χ^2/NDF : 5978797.4/22

All: 1908.474+/-0.380 χ^2/NDF : 11729271.0/4

diff_bpm1p03aY_mean vs Slug, Sign Corrected



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

Left Out: -2.494 ± 1.262 $\chi^2/\text{NDF}: 2.5/3$

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

Left In: 0.319 ± 1.138 $\chi^2/\text{NDF}: 0.7/2$

Left: -0.942 ± 0.845 $\chi^2/\text{NDF}: 5.9/6$

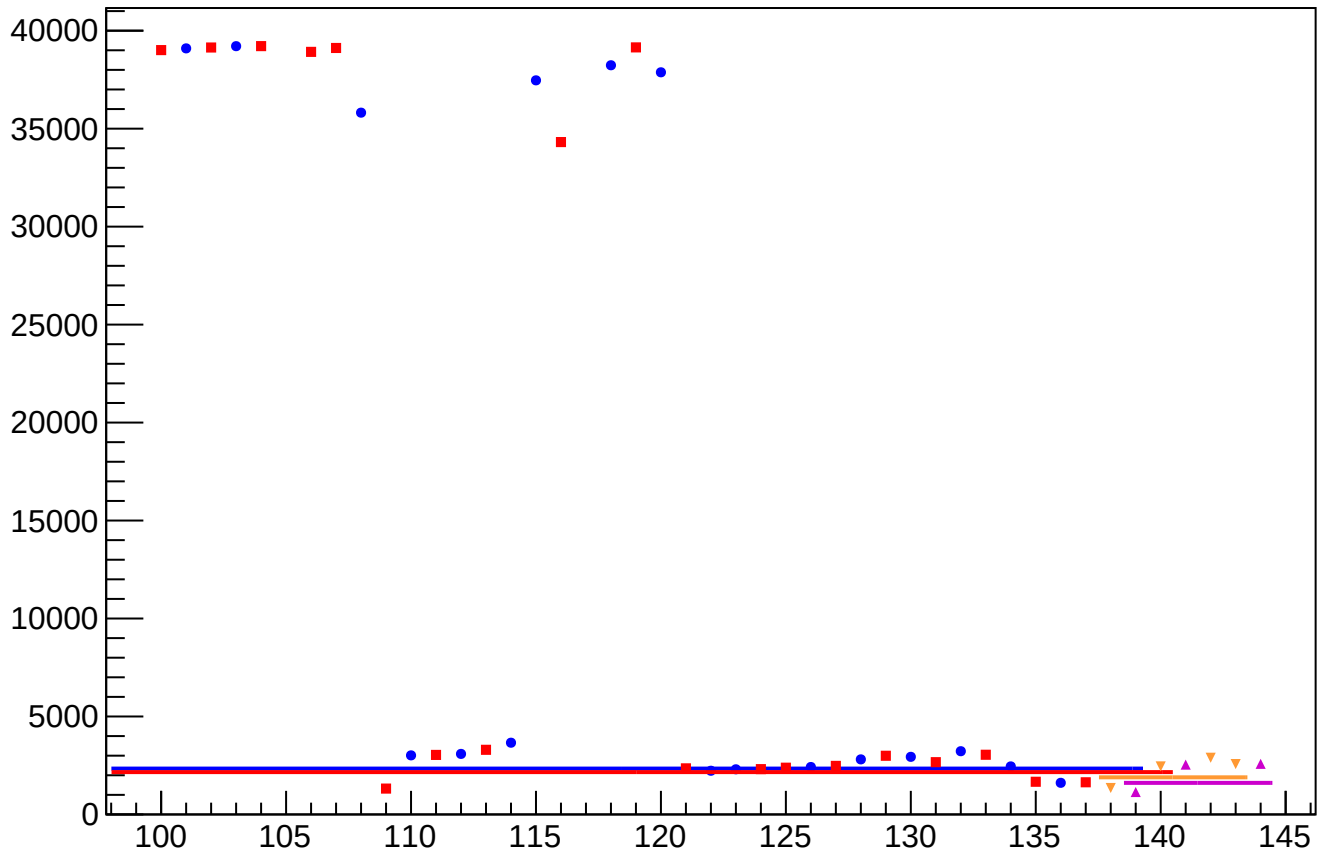
Right: 1.515 ± 0.780 $\chi^2/\text{NDF}: 44.9/35$

In: 0.990 ± 0.807 $\chi^2/\text{NDF}: 22.1/19$

Out: -0.232 ± 0.814 $\chi^2/\text{NDF}: 32.1/22$

All: 0.384 ± 0.573 $\chi^2/\text{NDF}: 55.3/42$

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2341.220 ± 0.810 $\chi^2/\text{NDF}: 5006482.9/16$

Left Out: 1894.819 ± 0.893 $\chi^2/\text{NDF}: 478979.5/3$

Right Out: 2161.211 ± 0.753 $\chi^2/\text{NDF}: 5301782.5/18$

Left In: 1611.767 ± 0.804 $\chi^2/\text{NDF}: 686270.7/2$

Left: 1738.610 ± 0.598 $\chi^2/\text{NDF}: 1220744.4/6$

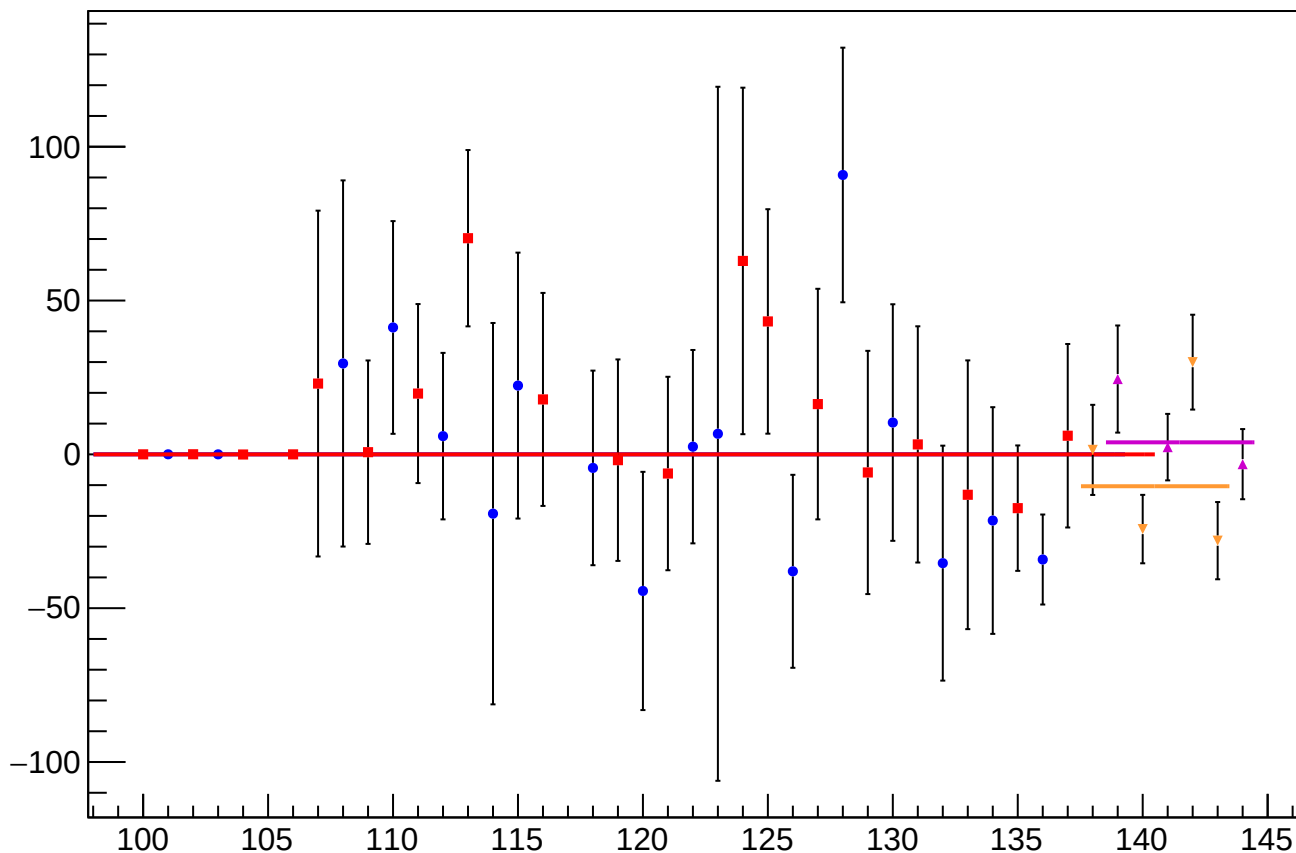
Right: 2244.647 ± 0.552 $\chi^2/\text{NDF}: 10334729.3/35$

In: 1973.718 ± 0.571 $\chi^2/\text{NDF}: 6100849.6/19$

Out: 2050.394 ± 0.576 $\chi^2/\text{NDF}: 5832777.5/22$

All: 2011.735 ± 0.405 $\chi^2/\text{NDF}: 11942570.2/4$

diff_cav4bX_mean vs Slug, Sign Corrected



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

Left Out: -10.360 ± 6.552 $\chi^2/\text{NDF}: 11.0/3$

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

Left In: 3.910 ± 7.152 $\chi^2/\text{NDF}: 1.8/2$

Left: -3.849 ± 4.831 $\chi^2/\text{NDF}: 15.0/6$

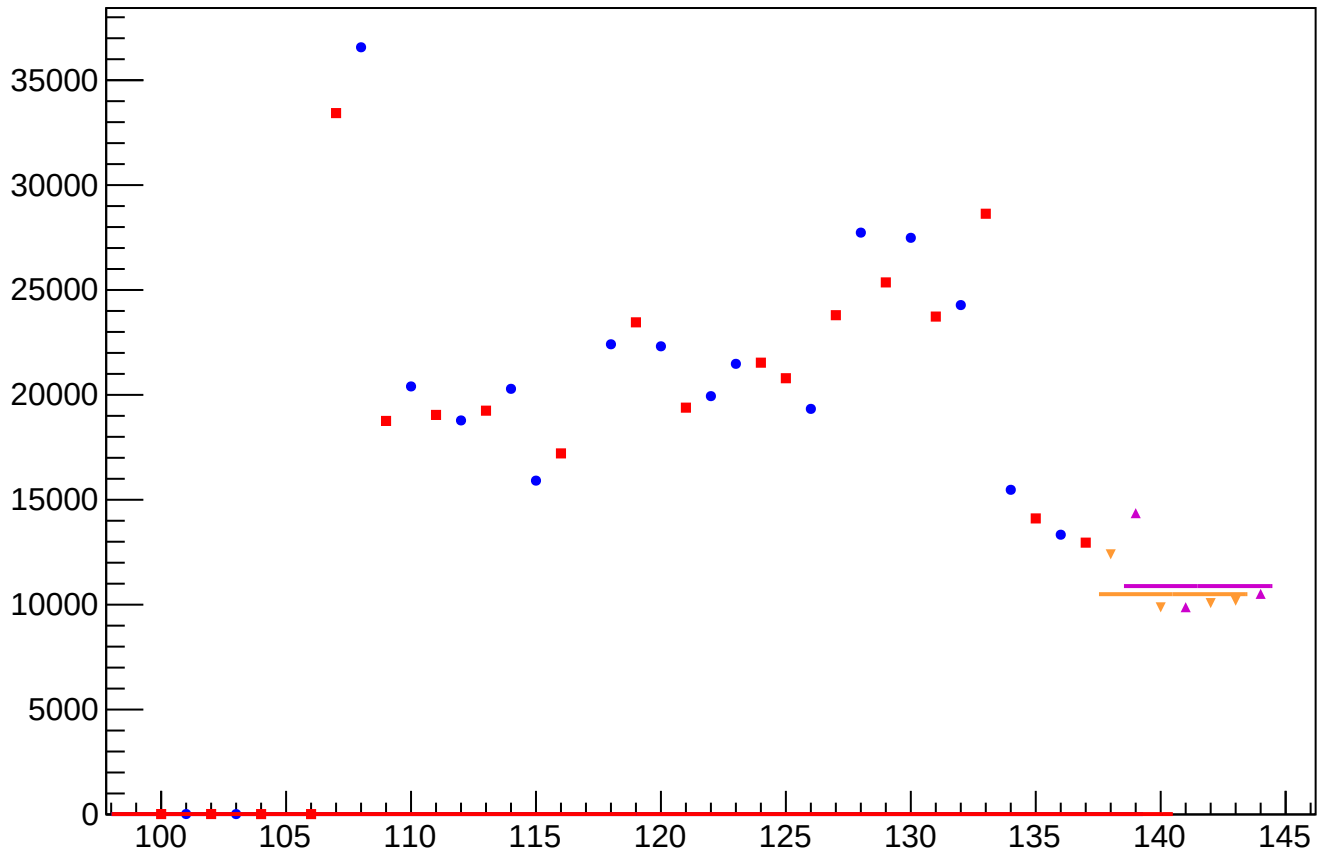
Right: 0.004 ± 0.012 $\chi^2/\text{NDF}: 32.6/35$

In: 0.013 ± 0.017 $\chi^2/\text{NDF}: 18.7/19$

Out: -0.003 ± 0.016 $\chi^2/\text{NDF}: 29.1/22$

All: 0.004 ± 0.012 $\chi^2/\text{NDF}: 48.3/42$

diff_cav4bX_rms vs Slug, Sign Corrected



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

Left Out: 10500.246 ± 4.633 $\chi^2/\text{NDF}: 42743.1/3$

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

Left In: 10885.923 ± 5.057 $\chi^2/\text{NDF}: 99162.8/2$

Left: 10676.233 ± 3.416 $\chi^2/\text{NDF}: 145068.0/6$

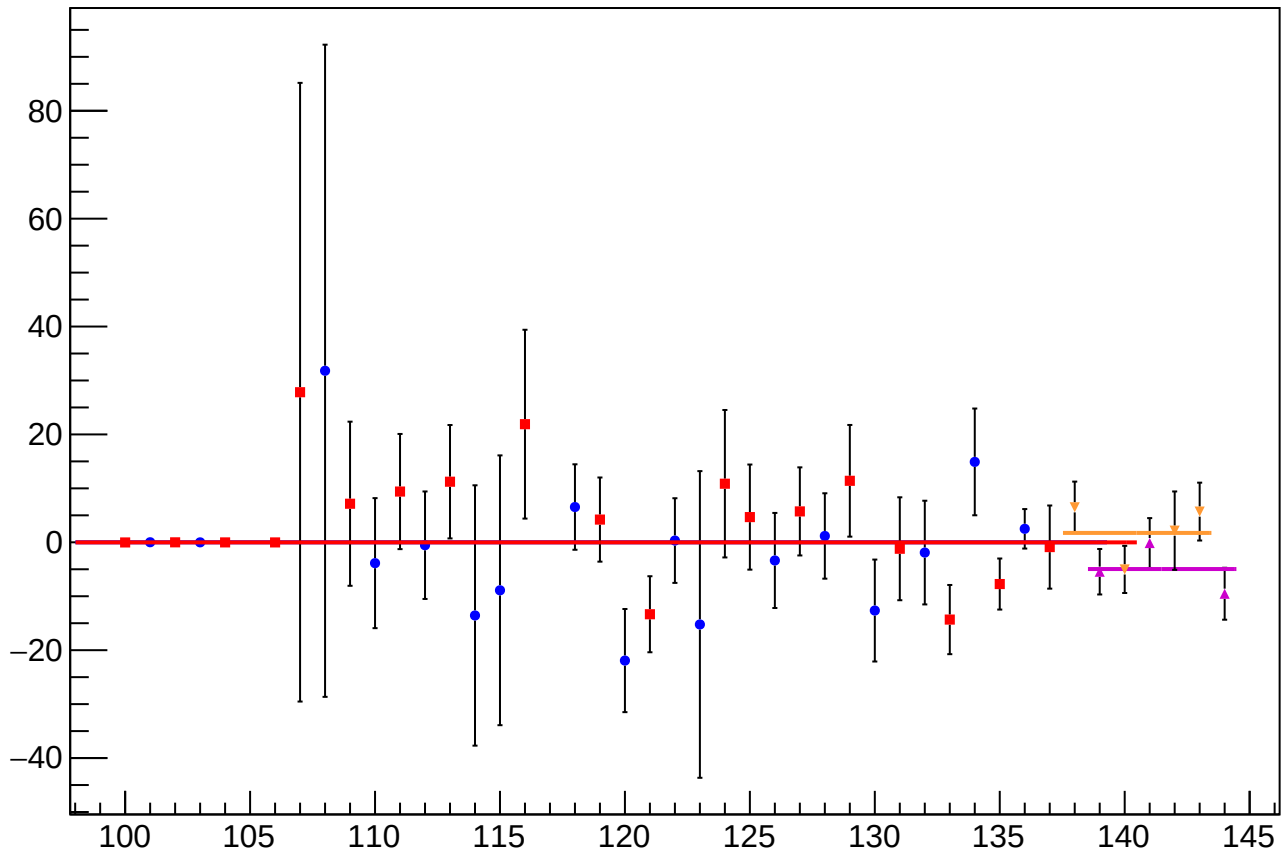
Right: 18.464 ± 0.008 $\chi^2/\text{NDF}: 22005567.3/35$

In: 18.705 ± 0.012 $\chi^2/\text{NDF}: 15658529.9/19$

Out: 18.374 ± 0.011 $\chi^2/\text{NDF}: 16224771.9/22$

All: 18.527 ± 0.008 $\chi^2/\text{NDF}: 31883693.8/42$

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001 ± 0.009 χ^2/NDF : 12.9/16

Left Out: 1.740 ± 2.581 χ^2/NDF : 3.9/3

Right Out: -0.014 ± 0.009 χ^2/NDF : 18.8/18

Left In: -4.956 ± 2.616 χ^2/NDF : 2.0/2

Left: -1.564 ± 1.837 χ^2/NDF : 9.3/6

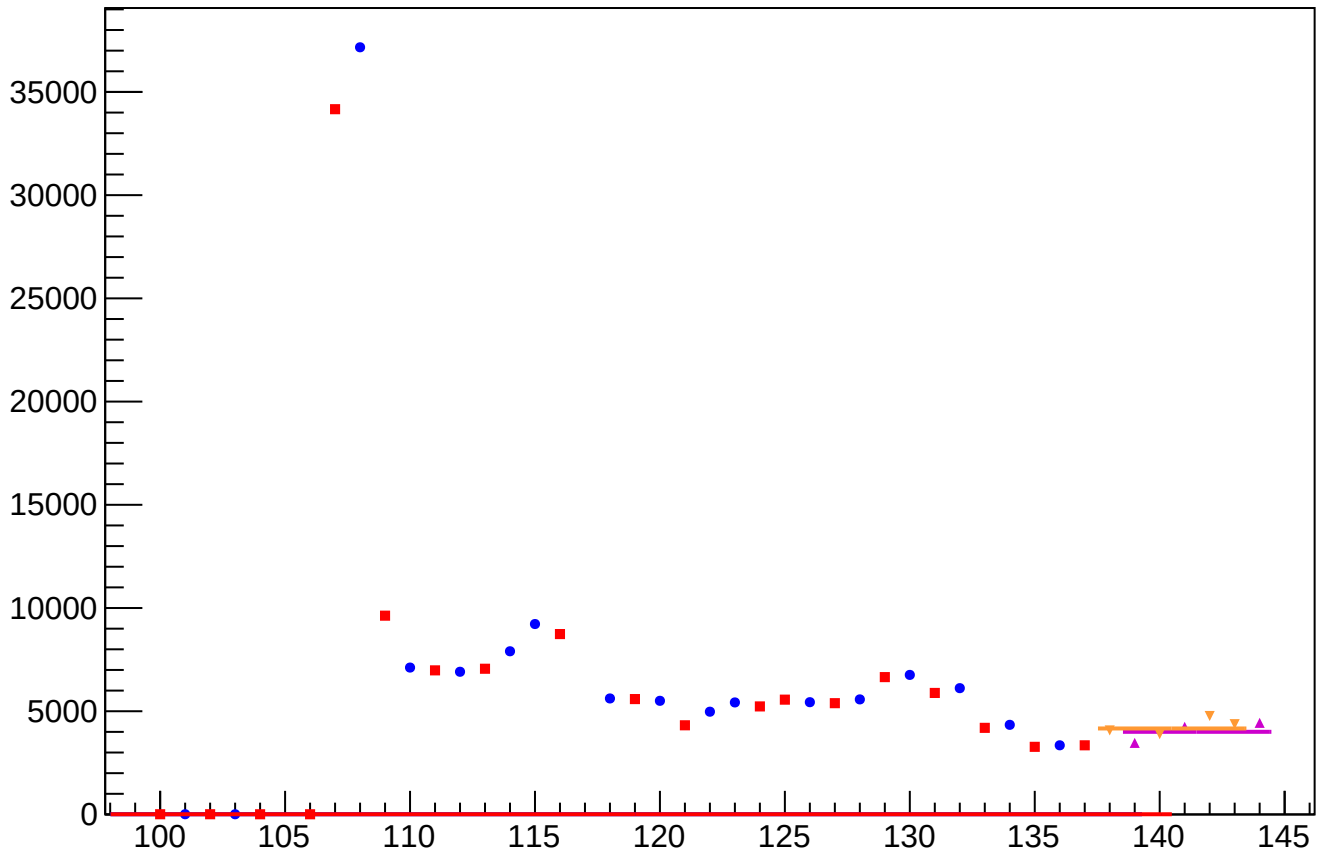
Right: -0.007 ± 0.006 χ^2/NDF : 33.0/35

In: 0.001 ± 0.009 χ^2/NDF : 18.5/19

Out: -0.014 ± 0.009 χ^2/NDF : 23.2/22

All: -0.007 ± 0.006 χ^2/NDF : 43.0/42

diff_cav4bY_rms vs Slug, Sign Corrected



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

Left Out: 4165.121 ± 1.825 χ^2/NDF : 25629.7/3

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

Left In: 4003.198 ± 1.850 χ^2/NDF : 54046.4/2

Left: 4085.224 ± 1.299 χ^2/NDF : 83558.9/6

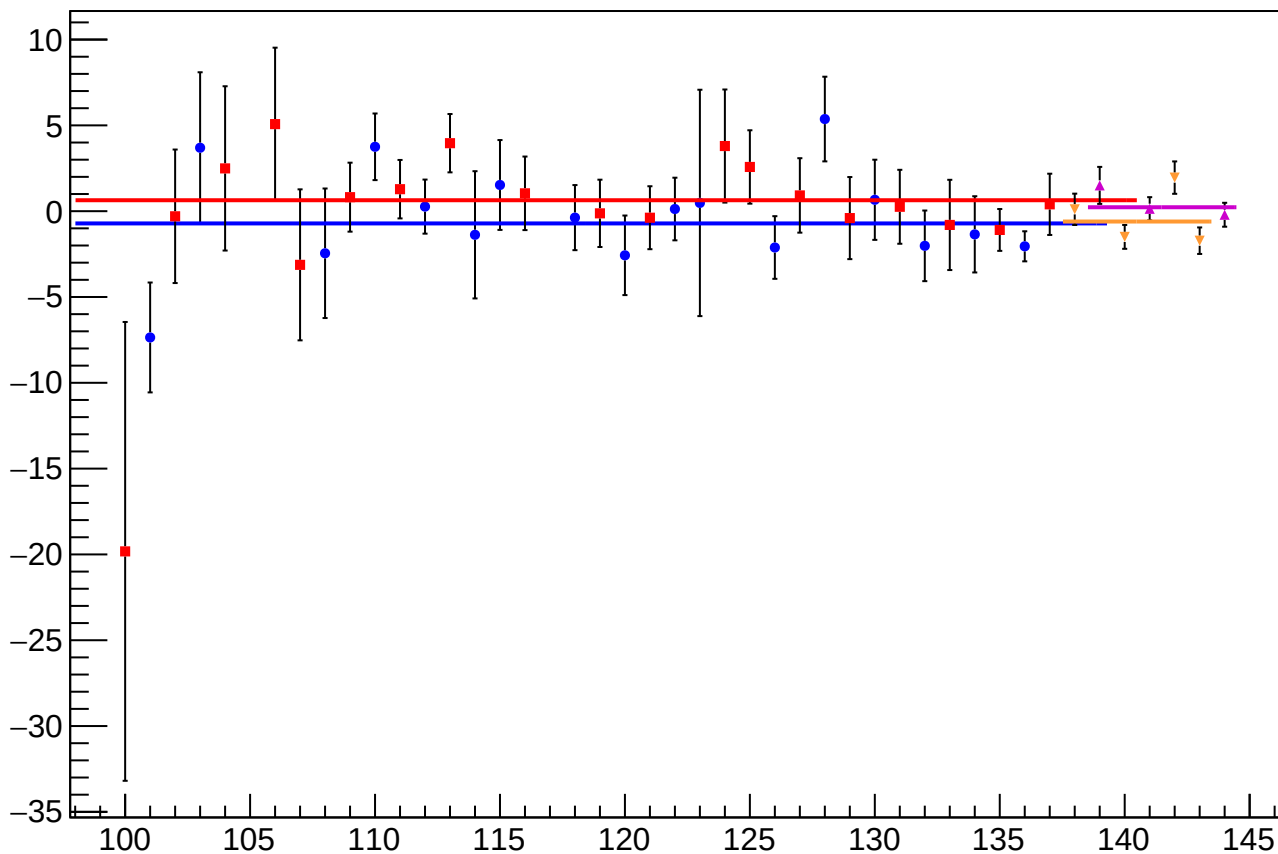
Right: 9.894 ± 0.004 χ^2/NDF : 22181108.5/35

In: 9.988 ± 0.007 χ^2/NDF : 15782860.9/19

Out: 9.901 ± 0.006 χ^2/NDF : 16321334.5/22

All: 9.942 ± 0.004 χ^2/NDF : 32104291.2/42

diff_cav4cX_mean vs Slug, Sign Corrected



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

Left Out: -0.603 ± 0.406 χ^2/NDF : 11.7/3

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

Left In: 0.229 ± 0.443 χ^2/NDF : 1.8/2

Left: -0.223 ± 0.299 χ^2/NDF : 15.4/6

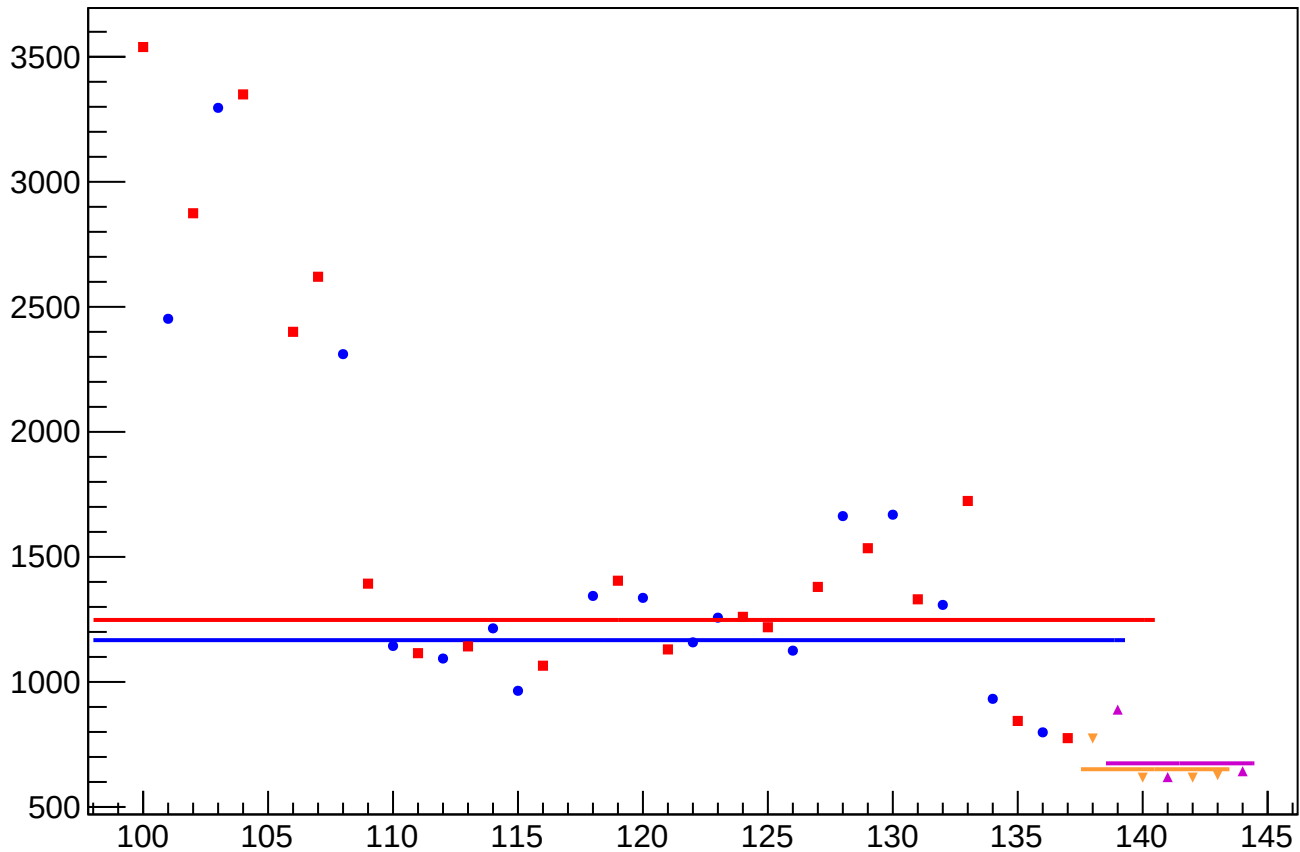
Right: -0.063 ± 0.348 χ^2/NDF : 39.5/35

In: -0.201 ± 0.326 χ^2/NDF : 26.6/19

Out: -0.111 ± 0.316 χ^2/NDF : 28.5/22

All: -0.155 ± 0.227 χ^2/NDF : 55.1/42

diff_cav4cX_rms vs Slug, Sign Corrected



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

Left Out: 650.932+/-0.287 χ^2/NDF : 45374.9/3

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

Left In: 674.492+/-0.313 χ^2/NDF : 96690.1/2

Left: 661.692+/-0.212 χ^2/NDF : 145141.0/6

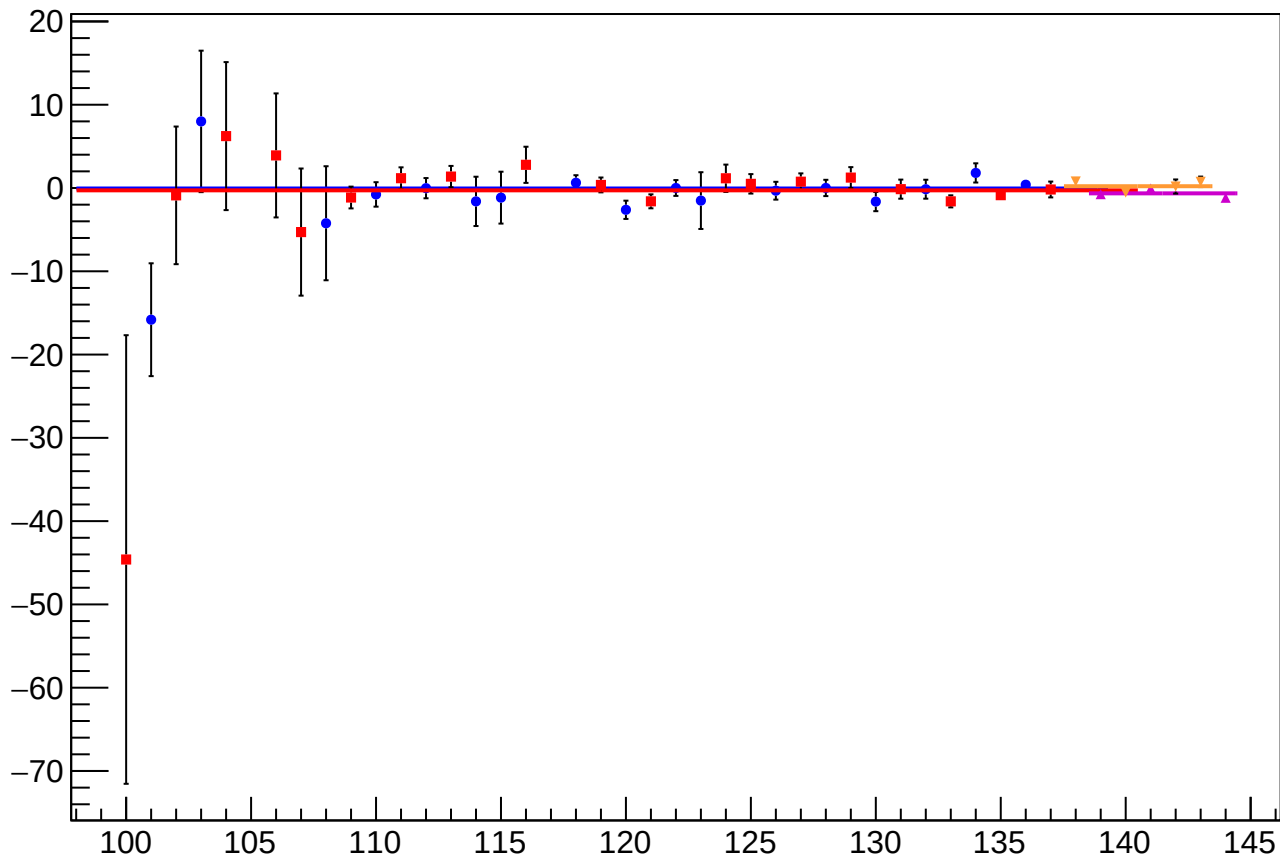
Right: 1206.012+/-0.246 χ^2/NDF : 3260466.3/35

In: 899.408+/-0.231 χ^2/NDF : 2806975.3/19

Out: 887.303+/-0.223 χ^2/NDF : 3410794.3/22

All: 893.150+/-0.160 χ^2/NDF : 6219191.3/42

diff_cav4cY_mean vs Slug, Sign Corrected



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

Left Out: 0.215 ± 0.305 χ^2/NDF : 3.9/3

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

Left In: -0.642 ± 0.313 χ^2/NDF : 2.1/2

Left: -0.203 ± 0.219 χ^2/NDF : 9.8/6

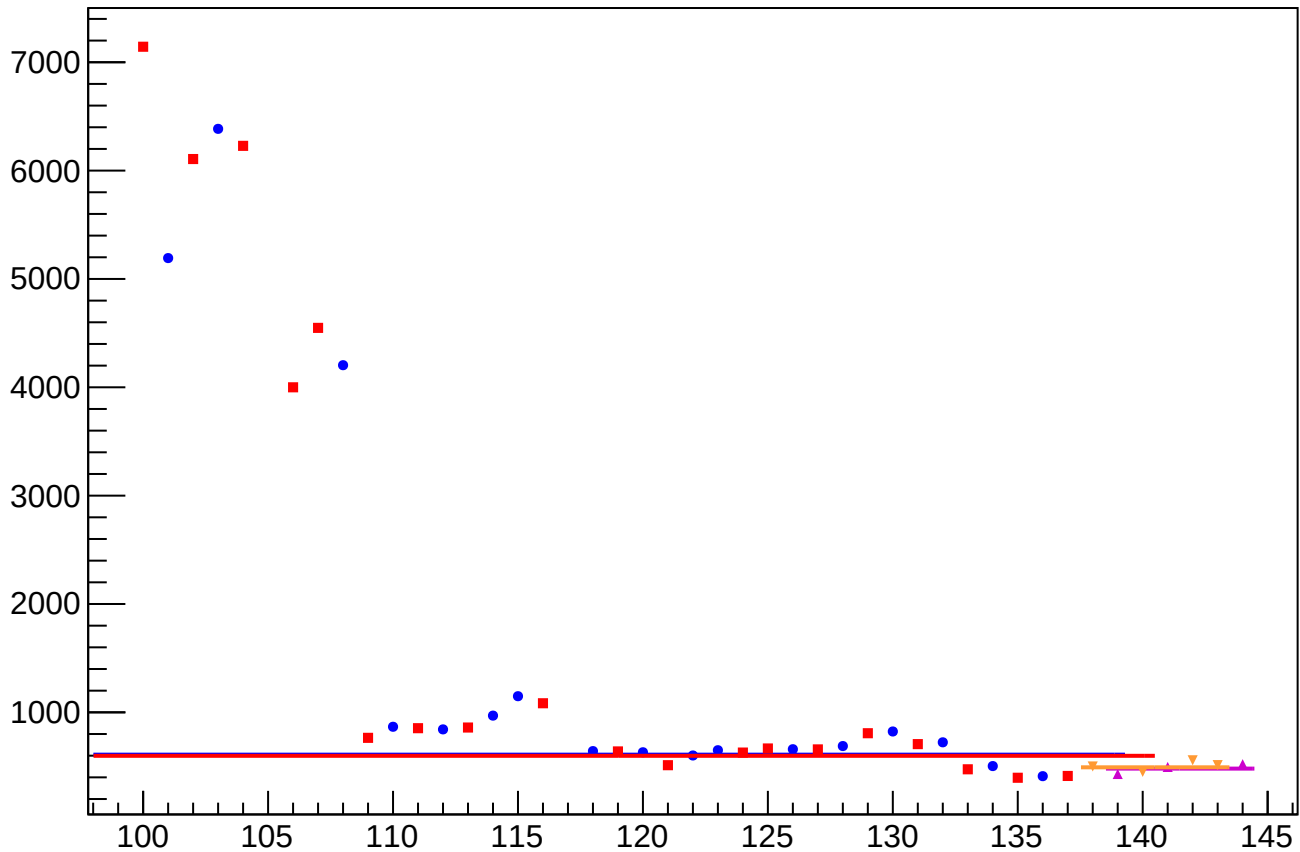
Right: -0.172 ± 0.189 χ^2/NDF : 40.0/35

In: -0.307 ± 0.204 χ^2/NDF : 23.2/19

Out: -0.068 ± 0.200 χ^2/NDF : 25.9/22

All: -0.185 ± 0.143 χ^2/NDF : 49.8/42

diff_cav4cY_rms vs Slug, Sign Corrected



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

Left Out: 492.566+/-0.216 χ^2/NDF : 27916.3/3

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

Left In: 480.699+/-0.222 χ^2/NDF : 29949.2/2

Left: 486.789+/-0.155 χ^2/NDF : 59337.5/6

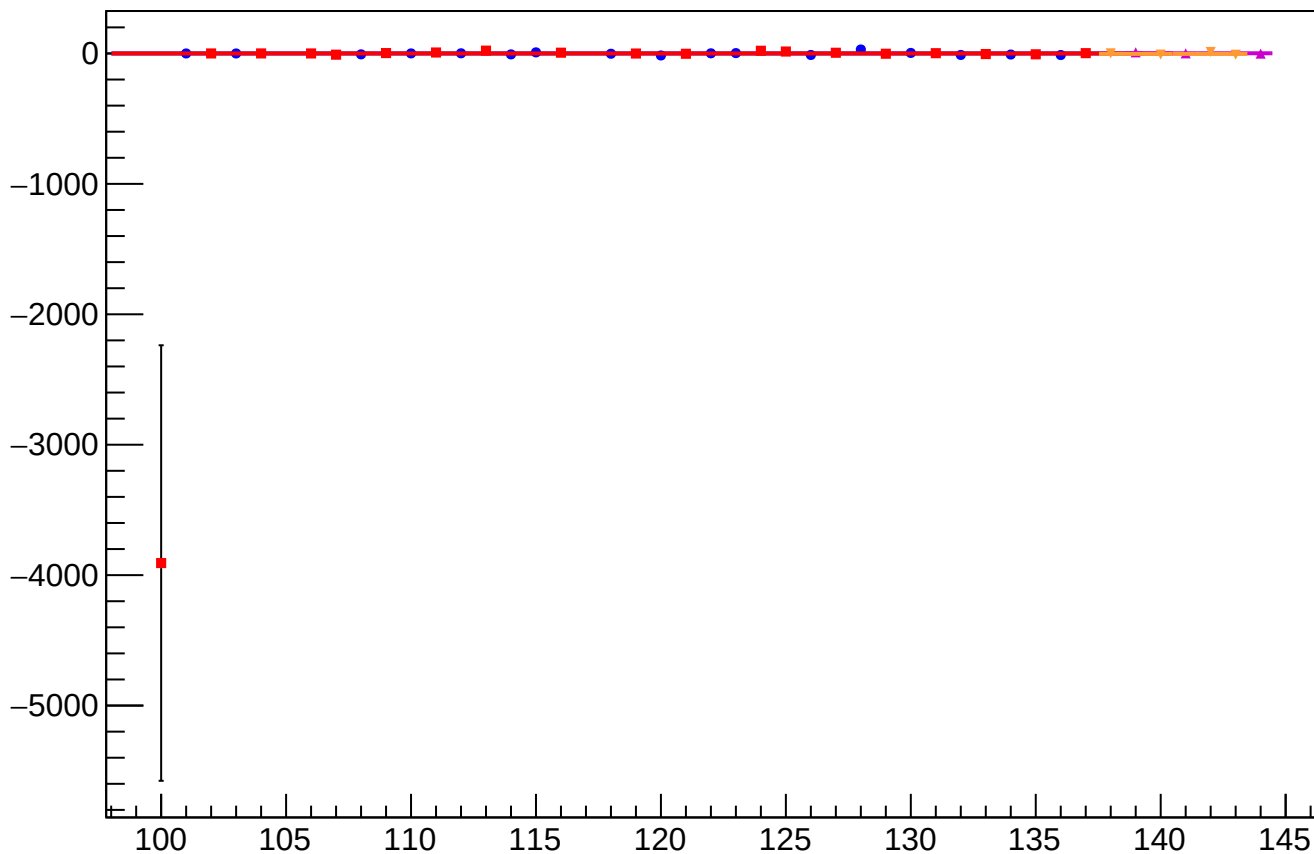
Right: 604.012+/-0.133 χ^2/NDF : 6688123.9/35

In: 554.788+/-0.144 χ^2/NDF : 3358460.9/19

Out: 553.260+/-0.141 χ^2/NDF : 3718628.4/22

All: 554.008+/-0.101 χ^2/NDF : 7077146.5/42

diff_cav4dX_mean vs Slug, Sign Corrected



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

Left Out: -3.439 ± 2.344 χ^2/NDF : 11.7/3

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

Left In: 1.289 ± 2.559 χ^2/NDF : 1.8/2

Left: -1.282 ± 1.728 χ^2/NDF : 15.4/6

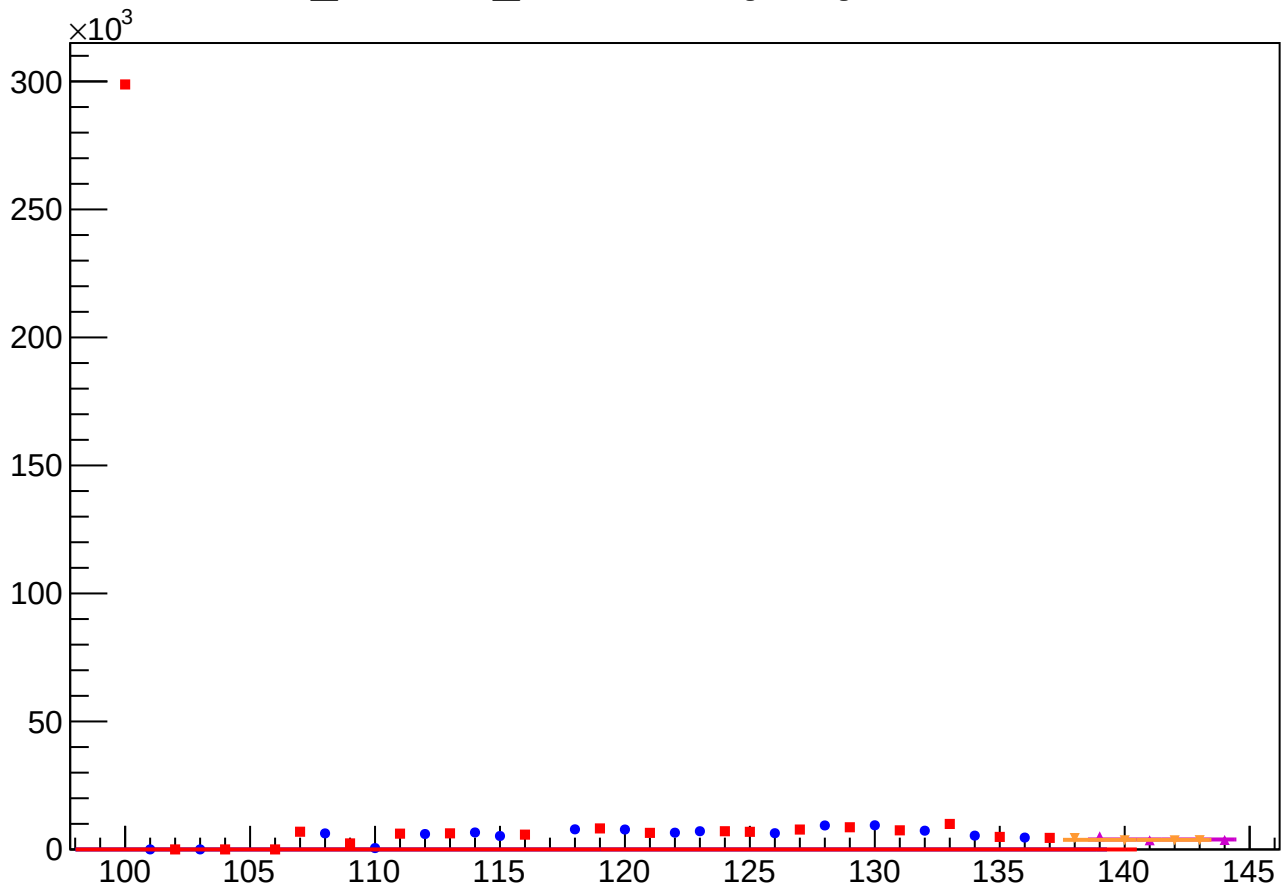
Right: 0.004 ± 0.014 χ^2/NDF : 36.3/35

In: -0.022 ± 0.021 χ^2/NDF : 18.1/19

Out: 0.026 ± 0.020 χ^2/NDF : 31.4/22

All: 0.004 ± 0.014 χ^2/NDF : 52.2/42

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.339+/-0.015 χ^2/NDF : 10457335.9/16

Left Out: 3758.451+/-1.657 χ^2/NDF : 43361.0/3

Right Out: 17.267+/-0.014 χ^2/NDF : 10773848.1/18

Left In: 3898.904+/-1.810 χ^2/NDF : 94194.1/2

Left: 3822.525+/-1.222 χ^2/NDF : 140831.3/6

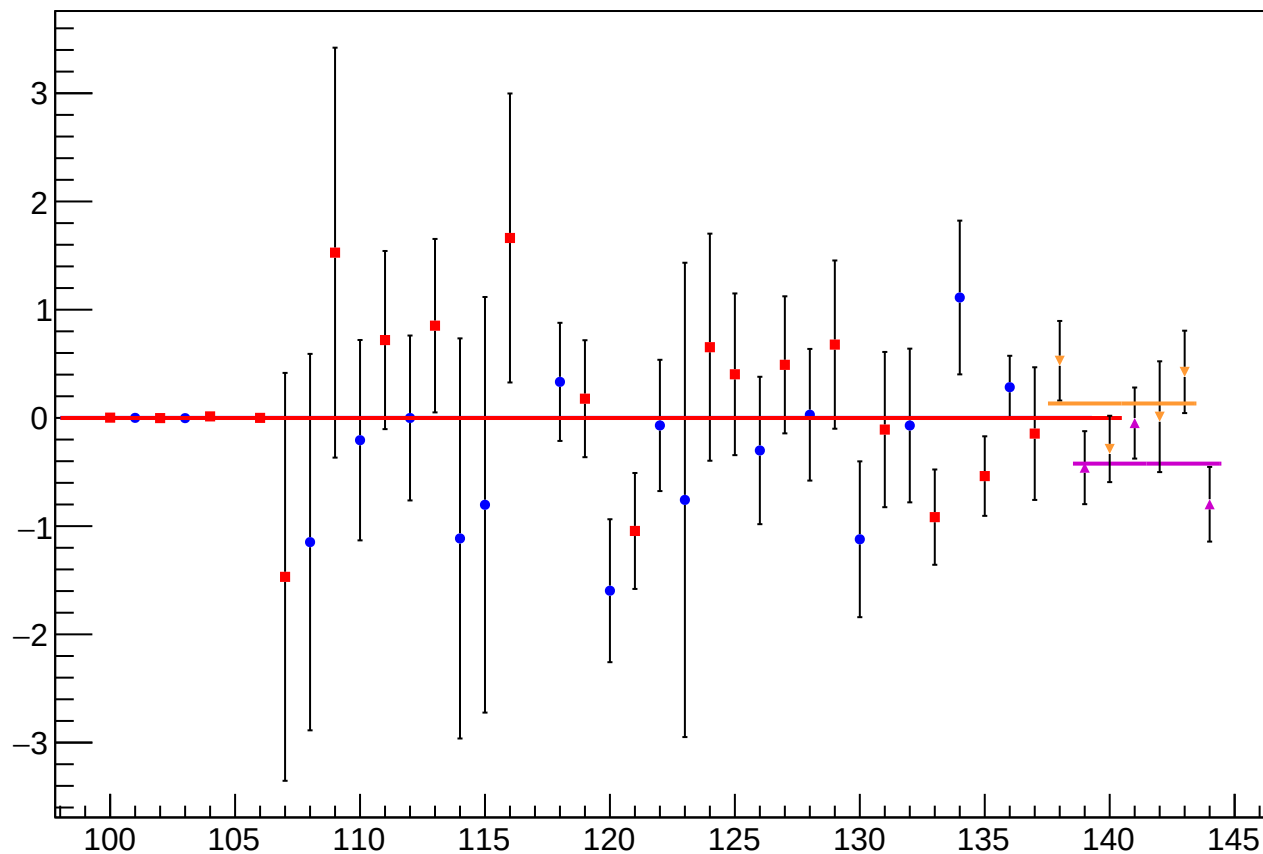
Right: 17.302+/-0.010 χ^2/NDF : 21231196.4/35

In: 17.595+/-0.015 χ^2/NDF : 15152535.2/19

Out: 17.534+/-0.014 χ^2/NDF : 15912205.2/22

All: 17.563+/-0.010 χ^2/NDF : 31064749.6/42

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.002 χ^2/NDF : 13.6/16

Left Out: 0.133 ± 0.187 χ^2/NDF : 3.7/3

Right Out: -0.001 ± 0.002 χ^2/NDF : 18.2/18

Left In: -0.422 ± 0.194 χ^2/NDF : 2.5/2

Left: -0.133 ± 0.135 χ^2/NDF : 10.4/6

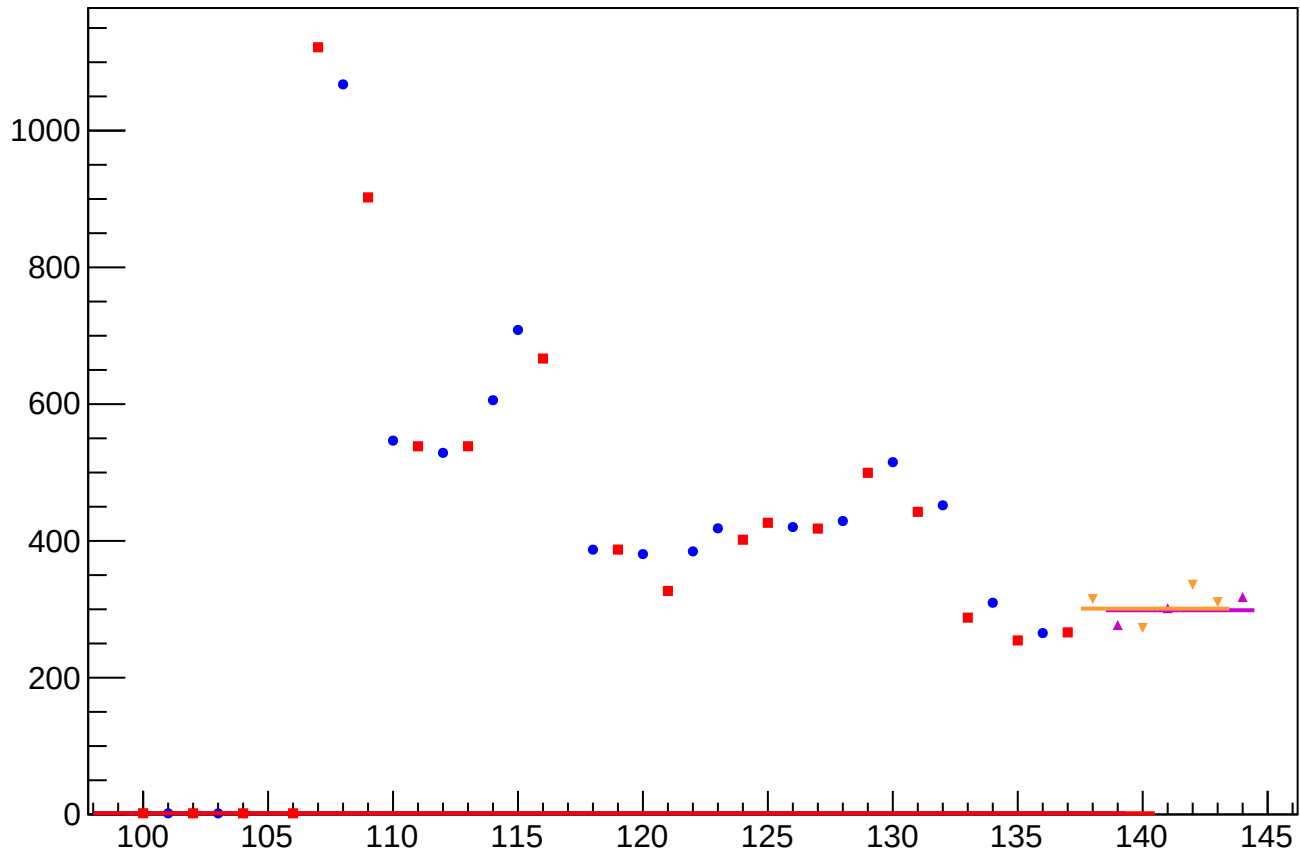
Right: -0.000 ± 0.001 χ^2/NDF : 31.9/35

In: 0.000 ± 0.002 χ^2/NDF : 20.8/19

Out: -0.001 ± 0.002 χ^2/NDF : 22.4/22

All: -0.000 ± 0.001 χ^2/NDF : 43.3/42

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.699 ± 0.001 χ^2/NDF : 11006381.5/16

Left Out: 301.036 ± 0.132 χ^2/NDF : 30386.8/3

Right Out: 1.728 ± 0.001 χ^2/NDF : 10697829.6/18

Left In: 298.634 ± 0.137 χ^2/NDF : 14637.9/2

Left: 299.884 ± 0.095 χ^2/NDF : 45183.7/6

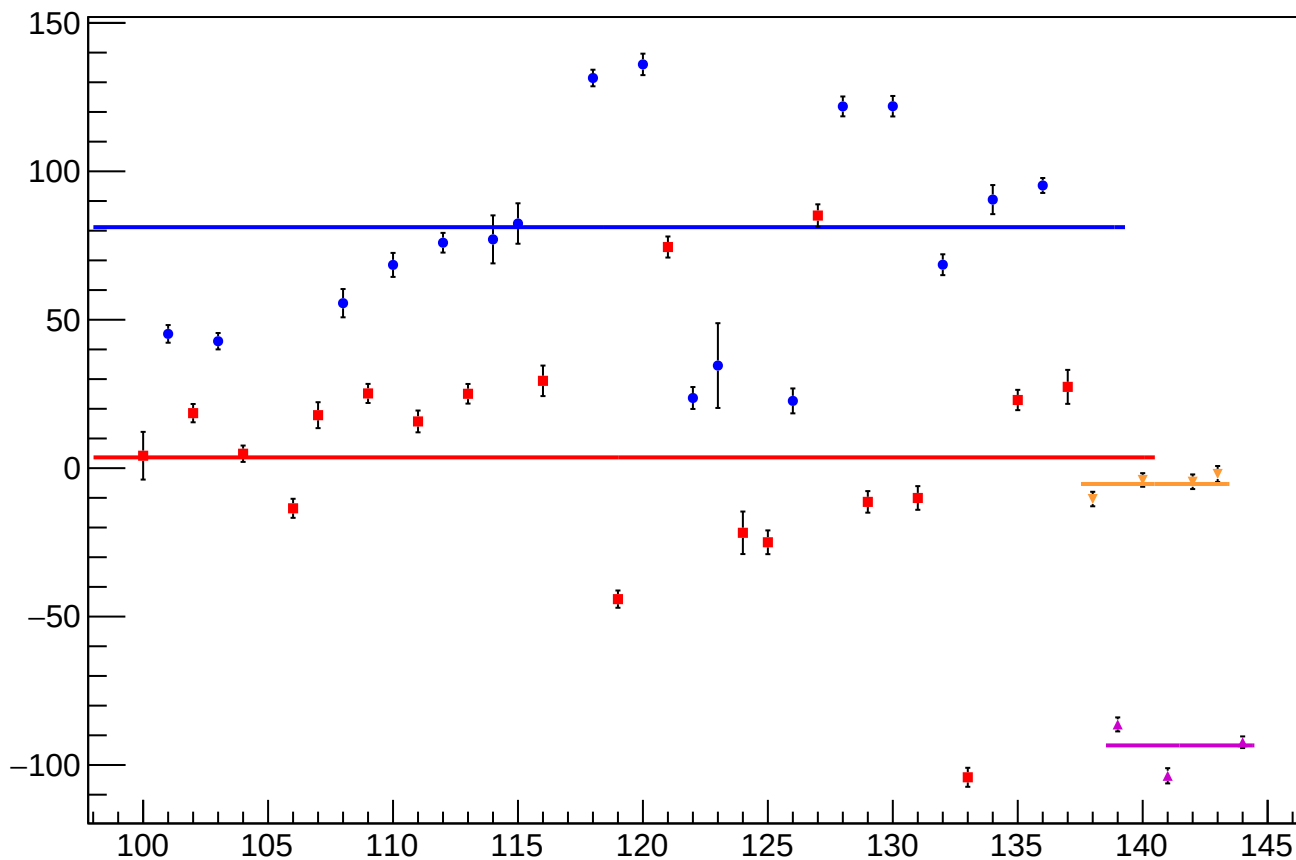
Right: 1.714 ± 0.001 χ^2/NDF : 21704428.1/35

In: 1.731 ± 0.001 χ^2/NDF : 15686449.7/19

Out: 1.761 ± 0.001 χ^2/NDF : 15877683.8/22

All: 1.747 ± 0.001 χ^2/NDF : 31564352.3/42

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 81.188 $\pm$ 0.887 χ^2 /NDF: 1718.3/16

Left Out: -5.326 $\pm$ 1.229 χ^2 /NDF: 6.4/3

Right Out: 3.632 $\pm$ 0.844 χ^2 /NDF: 2593.1/18

Left In: -93.405 $\pm$ 1.301 χ^2 /NDF: 25.2/2

Left: -46.870 $\pm$ 0.893 χ^2 /NDF: 2454.5/6

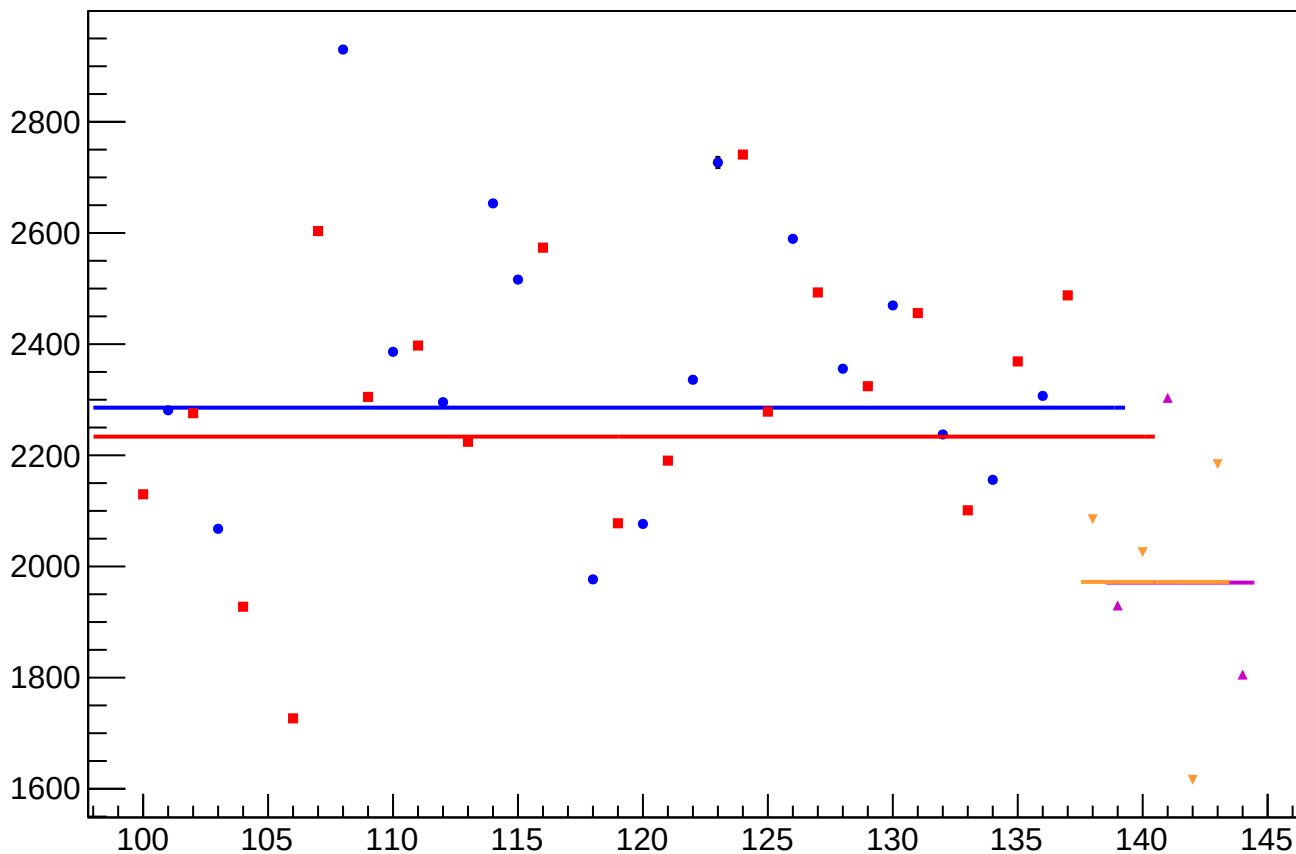
Right: 40.474 $\pm$ 0.611 χ^2 /NDF: 8322.9/35

In: 25.746 $\pm$ 0.733 χ^2 /NDF: 14041.1/19

Out: 0.761 $\pm$ 0.696 χ^2 /NDF: 2635.5/22

All: 12.603 $\pm$ 0.505 χ^2 /NDF: 17288.0/42

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2285.757 $\pm$ 0.627 χ^2 /NDF: 109159.1/16

Left Out: 1972.187 $\pm$ 0.869 χ^2 /NDF: 59598.7/3

Right Out: 2233.605 $\pm$ 0.597 χ^2 /NDF: 147058.0/18

Left In: 1970.984 $\pm$ 0.920 χ^2 /NDF: 48331.0/2

Left: 1971.620 $\pm$ 0.632 χ^2 /NDF: 107930.6/6

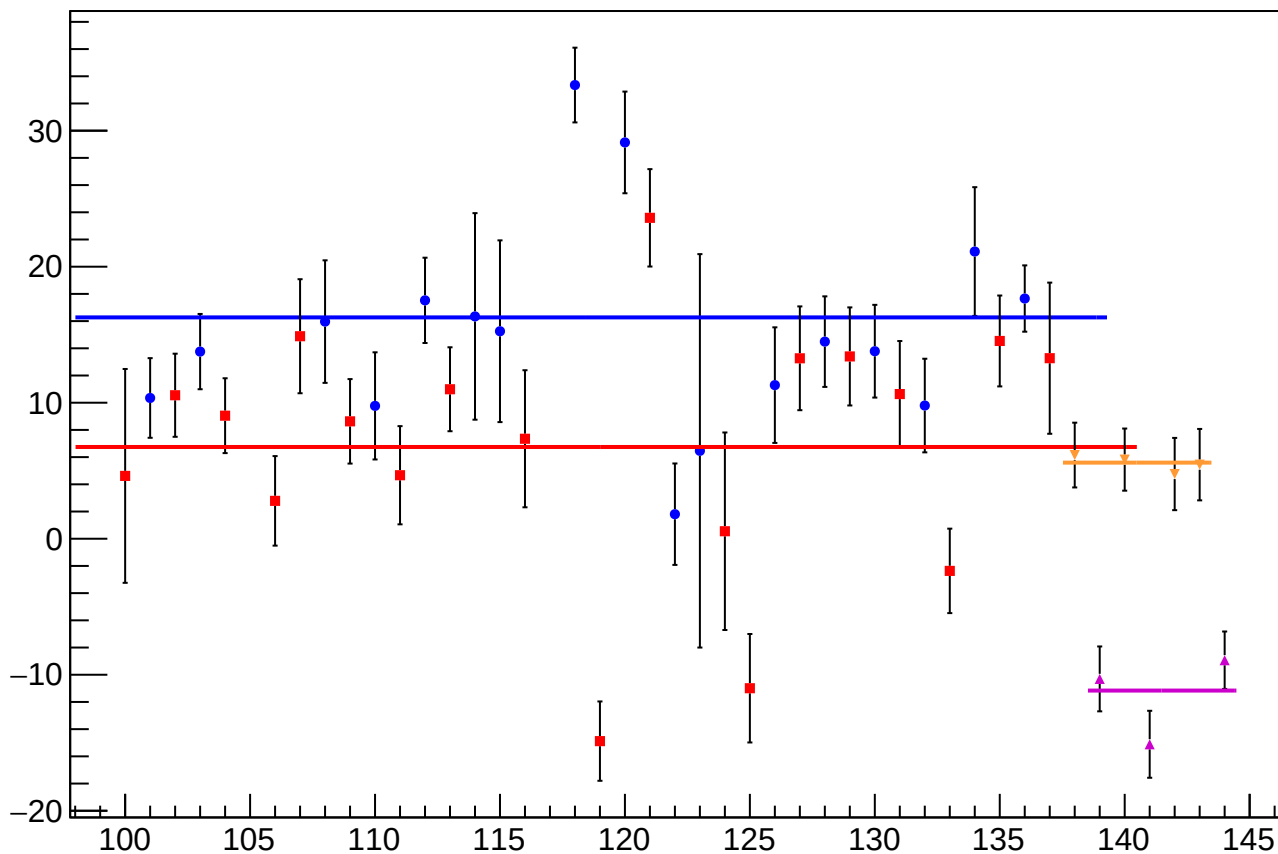
Right: 2258.379 $\pm$ 0.432 χ^2 /NDF: 259845.0/35

In: 2185.802 $\pm$ 0.518 χ^2 /NDF: 237435.7/19

Out: 2149.823 $\pm$ 0.492 χ^2 /NDF: 268156.5/22

All: 2166.876 $\pm$ 0.357 χ^2 /NDF: 508127.5/42

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.273 ± 0.873 $\chi^2/\text{NDF}: 81.0/16$

Left Out: 5.595 ± 1.236 $\chi^2/\text{NDF}: 0.2/3$

Right Out: 6.745 ± 0.832 $\chi^2/\text{NDF}: 130.5/18$

Left In: -11.163 ± 1.330 $\chi^2/\text{NDF}: 3.8/2$

Left: -2.168 ± 0.905 $\chi^2/\text{NDF}: 89.2/6$

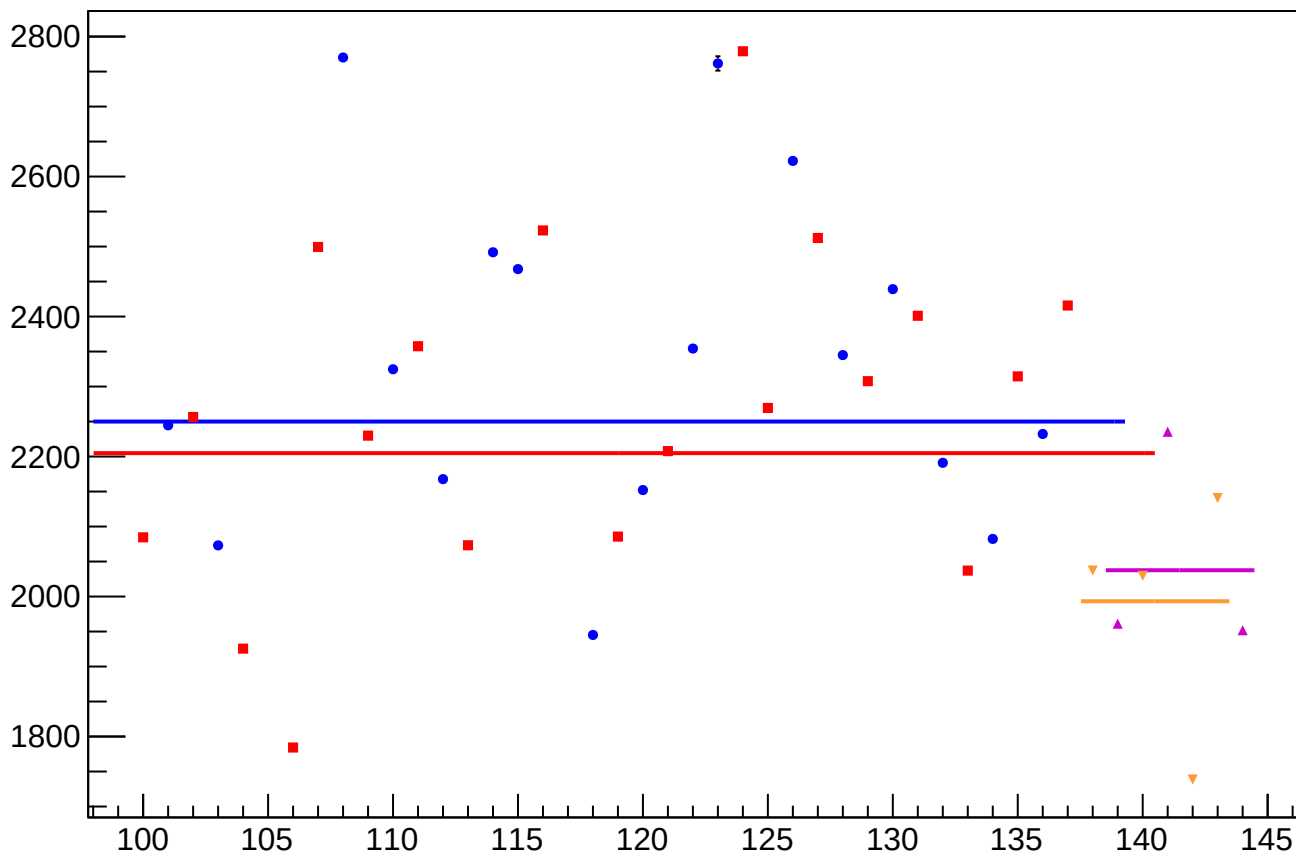
Right: 11.281 ± 0.602 $\chi^2/\text{NDF}: 273.9/35$

In: 8.013 ± 0.730 $\chi^2/\text{NDF}: 382.1/19$

Out: 6.387 ± 0.690 $\chi^2/\text{NDF}: 131.3/22$

All: 7.155 ± 0.501 $\chi^2/\text{NDF}: 516.1/42$

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2249.997 ± 0.617 $\chi^2/\text{NDF}: 97501.6/16$

Left Out: 1993.256 ± 0.874 $\chi^2/\text{NDF}: 25875.7/3$

Right Out: 2204.860 ± 0.588 $\chi^2/\text{NDF}: 126433.4/18$

Left In: 2037.560 ± 0.941 $\chi^2/\text{NDF}: 18259.0/2$

Left: 2013.779 ± 0.640 $\chi^2/\text{NDF}: 45325.7/6$

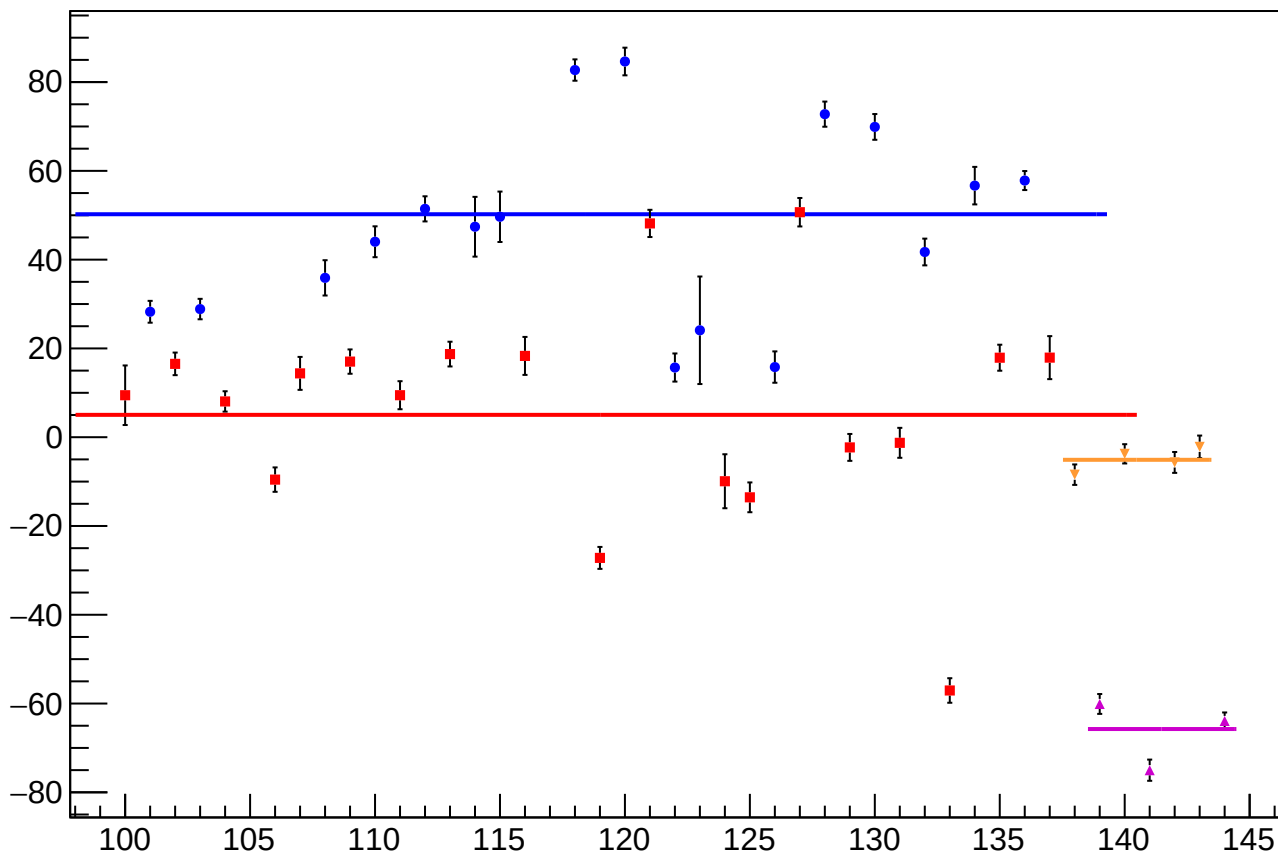
Right: 2226.349 ± 0.426 $\chi^2/\text{NDF}: 226736.2/35$

In: 2186.045 ± 0.516 $\chi^2/\text{NDF}: 151415.9/19$

Out: 2138.834 ± 0.488 $\chi^2/\text{NDF}: 192658.9/22$

All: 2161.124 ± 0.355 $\chi^2/\text{NDF}: 348492.4/42$

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.230 $\pm$ 0.752 χ^2 /NDF: 837.5/16

Left Out: -5.092 $\pm$ 1.166 χ^2 /NDF: 3.9/3

Right Out: 5.035 $\pm$ 0.715 χ^2 /NDF: 1259.3/18

Left In: -65.742 $\pm$ 1.241 χ^2 /NDF: 22.4/2

Left: -33.514 $\pm$ 0.850 χ^2 /NDF: 1294.4/6

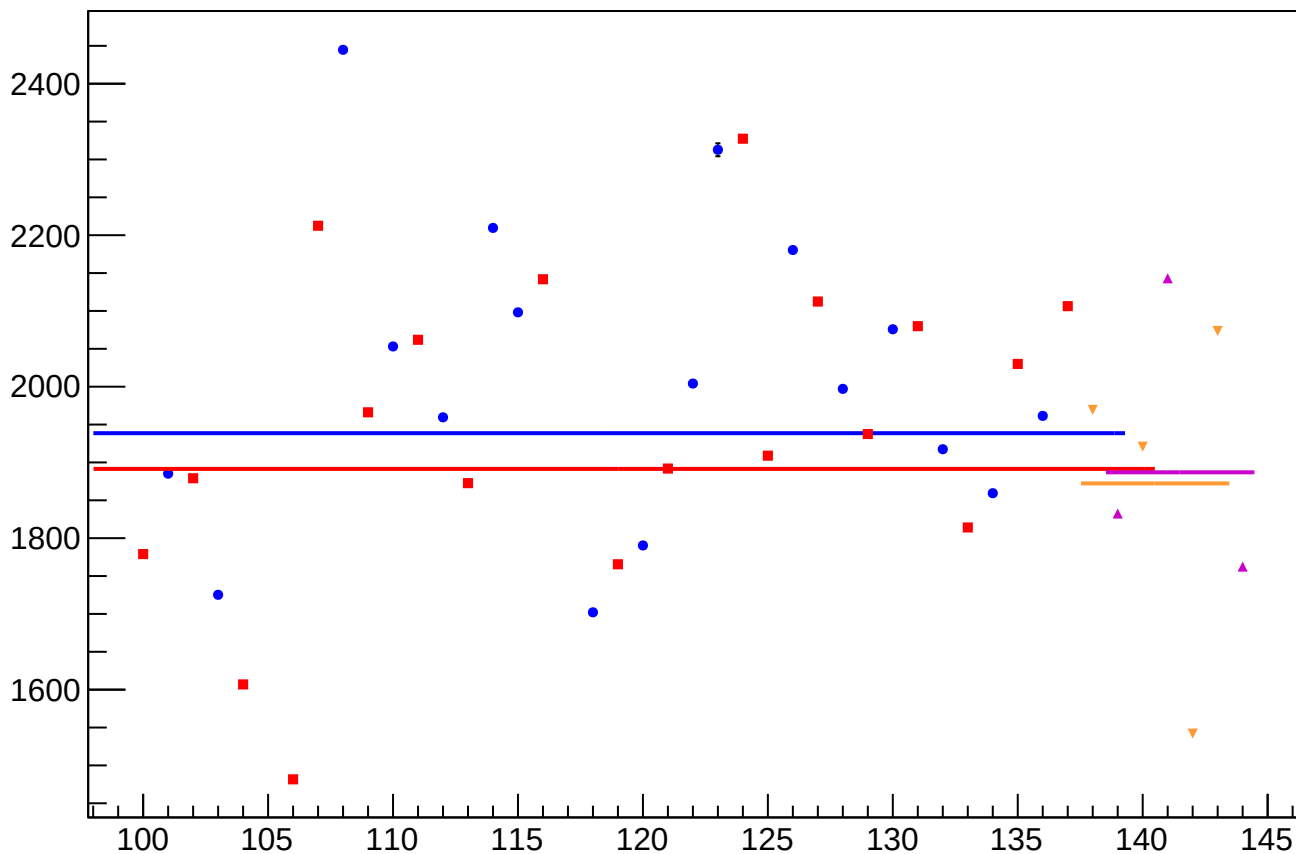
Right: 26.479 $\pm$ 0.518 χ^2 /NDF: 3994.7/35

In: 19.097 $\pm$ 0.643 χ^2 /NDF: 7243.4/19

Out: 2.270 $\pm$ 0.609 χ^2 /NDF: 1318.1/22

All: 10.227 $\pm$ 0.442 χ^2 /NDF: 8922.2/42

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1938.613 ± 0.532 $\chi^2/\text{NDF}: 100004.8/16$

Left Out: 1872.303 ± 0.824 $\chi^2/\text{NDF}: 56471.2/3$

Right Out: 1891.458 ± 0.505 $\chi^2/\text{NDF}: 146730.0/18$

Left In: 1886.948 ± 0.878 $\chi^2/\text{NDF}: 32673.2/2$

Left: 1879.166 ± 0.601 $\chi^2/\text{NDF}: 89292.3/6$

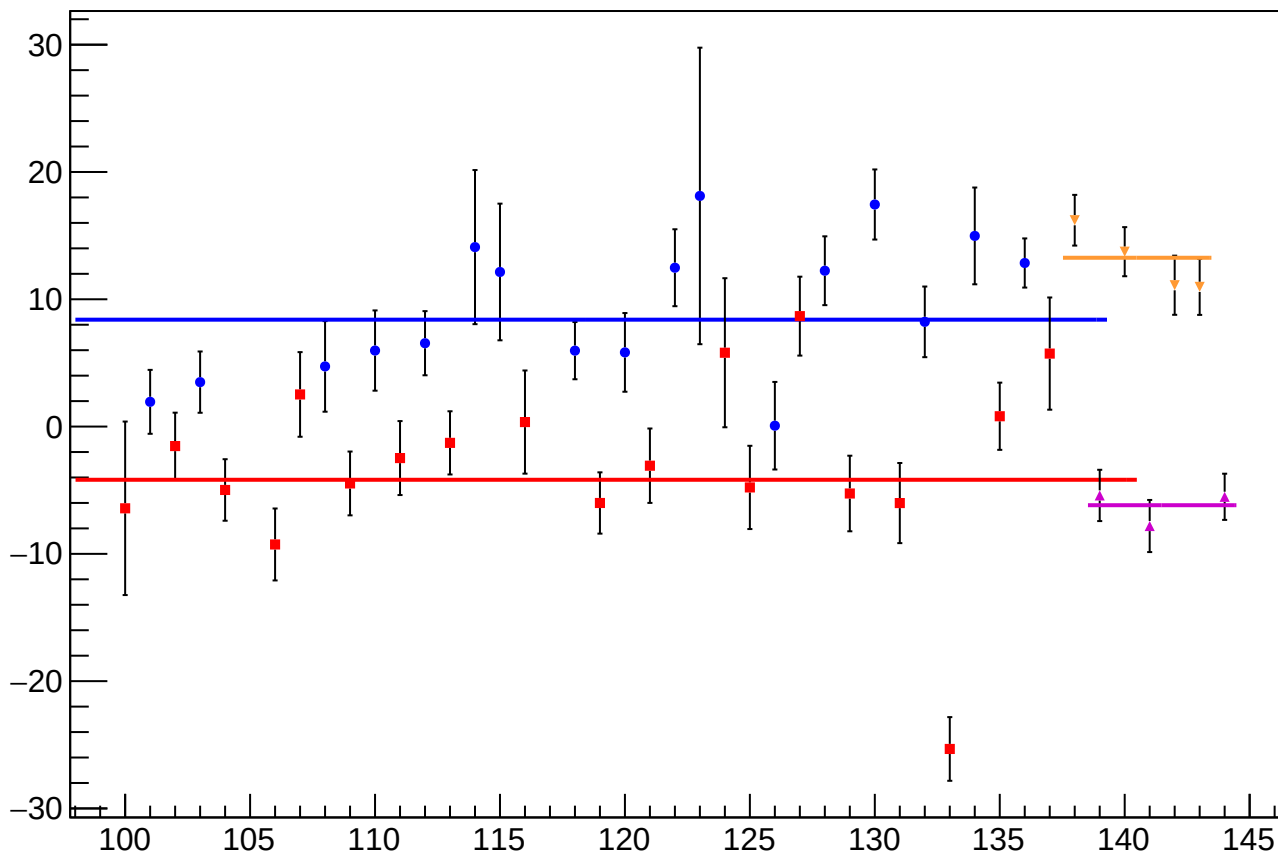
Right: 1913.832 ± 0.366 $\chi^2/\text{NDF}: 250866.9/35$

In: 1924.743 ± 0.455 $\chi^2/\text{NDF}: 135211.8/19$

Out: 1886.227 ± 0.431 $\chi^2/\text{NDF}: 203593.6/22$

All: 1904.441 ± 0.313 $\chi^2/\text{NDF}: 342585.3/42$

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.398 $\pm$ 0.712 χ^2 /NDF: 45.7/16

Left Out: 13.262 $\pm$ 1.047 χ^2 /NDF: 4.2/3

Right Out: -4.180 $\pm$ 0.684 χ^2 /NDF: 112.9/18

Left In: -6.178 $\pm$ 1.126 χ^2 /NDF: 0.9/2

Left: 4.247 $\pm$ 0.767 χ^2 /NDF: 165.0/6

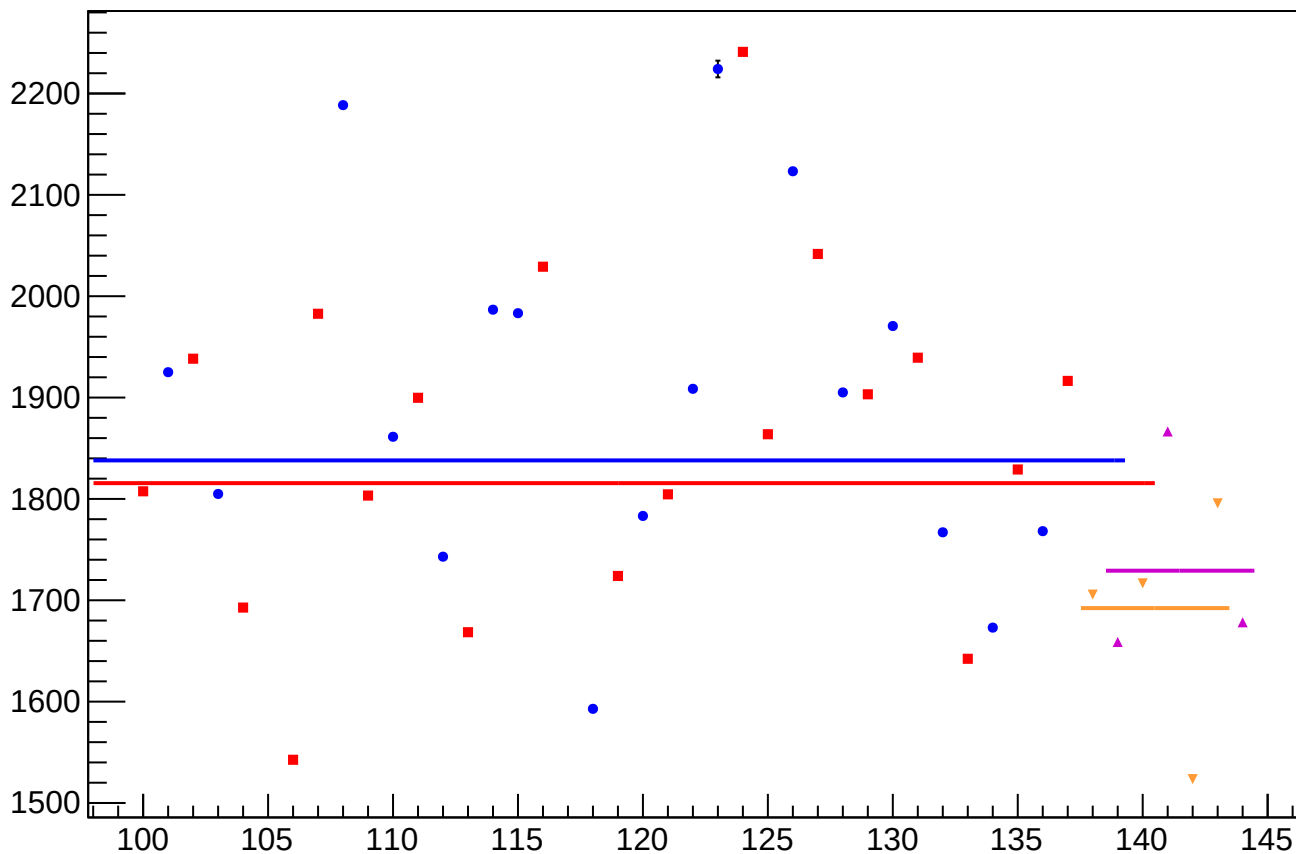
Right: 1.849 $\pm$ 0.493 χ^2 /NDF: 320.9/35

In: 4.230 $\pm$ 0.602 χ^2 /NDF: 166.3/19

Out: 1.033 $\pm$ 0.572 χ^2 /NDF: 311.7/22

All: 2.551 $\pm$ 0.415 χ^2 /NDF: 492.8/42

diff_bpm0i01aY_rms vs Slug, Sign Corrected



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

Left Out: 1692.270 $\pm$ 0.740 χ^2 /NDF:15363.4/3

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

Left In: 1729.183 $\pm$ 0.796 χ^2 /NDF:13019.4/2

Left: 1709.388 $\pm$ 0.542 χ^2 /NDF: 29535.7/6

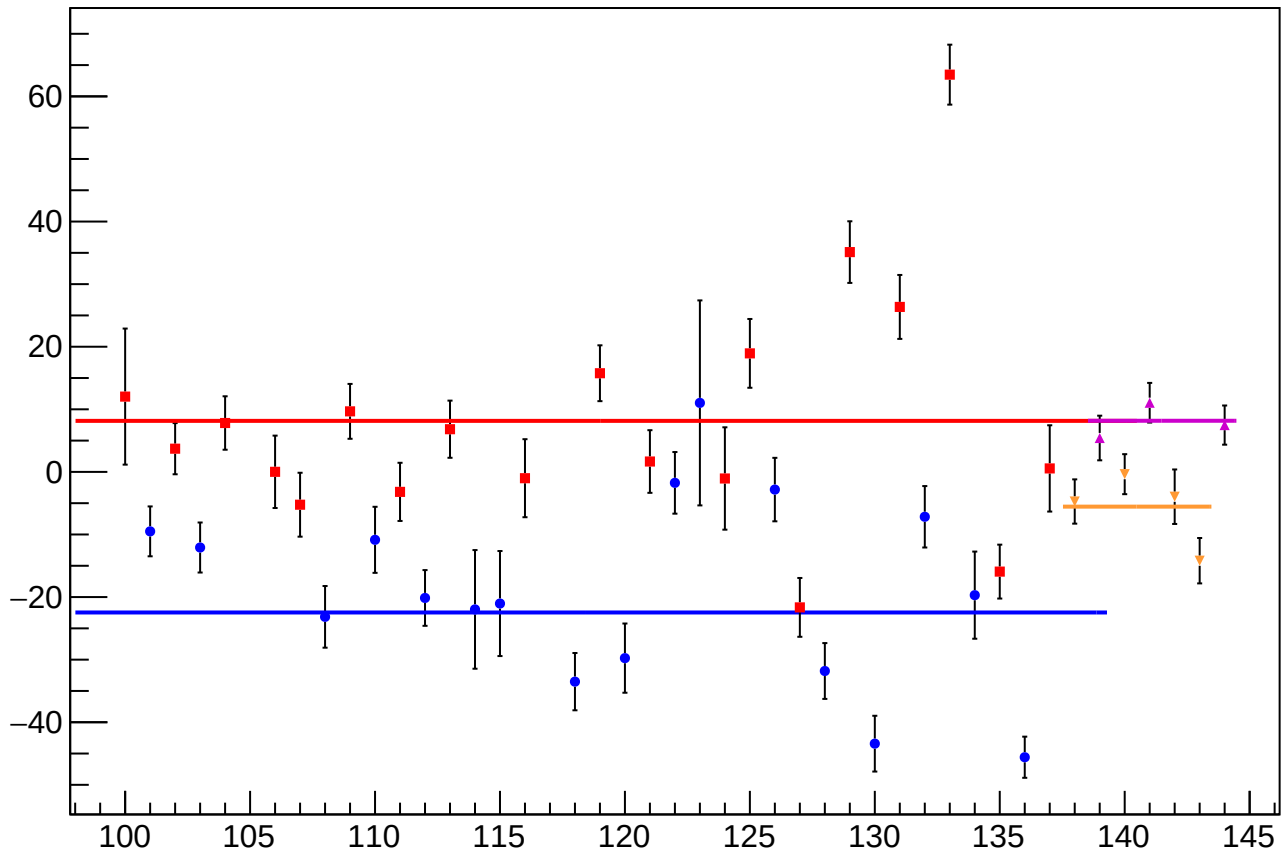
Right: 1826.322 $\pm$ 0.349 χ^2 /NDF: 171512.1/35

In: 1806.895 $\pm$ 0.426 χ^2 /NDF:109193.4/19

Out: 1778.712 $\pm$ 0.405 χ^2 /NDF:122455.1/22

All: 1792.093 $\pm$ 0.293 χ^2 /NDF: 233950.5/42

diff_bpm0l01X_mean vs Slug, Sign Corrected



Left: 1.002 +/- 1.305 χ^2/NDF : 37.5/6

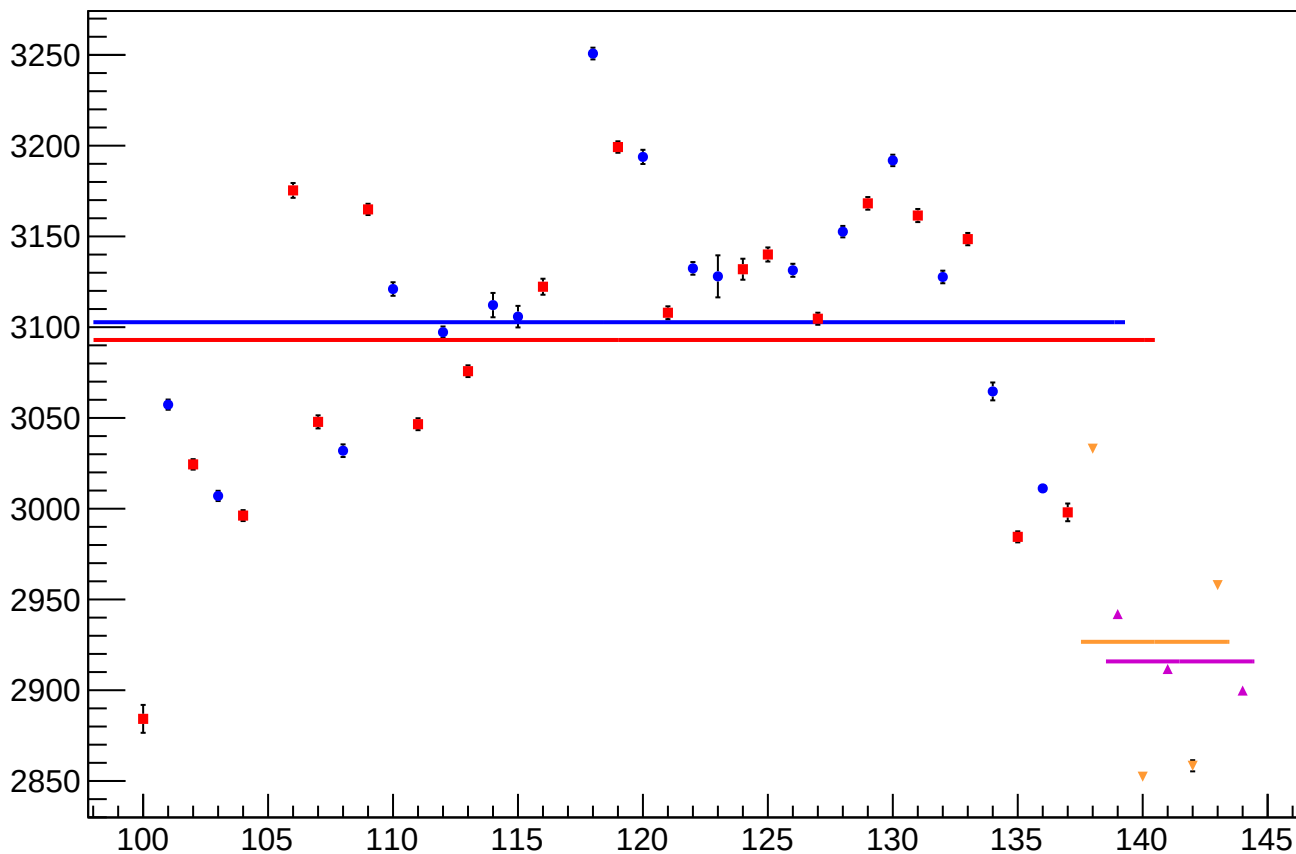
Right: -6.657 +/- 0.832 χ^2/NDF : 767.7/35

In: -13.687 +/- 1.011 χ^2/NDF : 342.0/19

Out: 4.158 +/- 0.975 χ^2/NDF : 326.3/22

All: -4.443 +/- 0.702 χ^2/NDF : 829.7/42

diff_bpm0l01X_rms vs Slug, Sign Corrected



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

Left Out: 2926.671+/-1.277 χ^2/NDF : 3531.0/3

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

Left In: 2915.868+/-1.336 χ^2/NDF : 163.1/2

Left: 2921.511+/-0.923 χ^2/NDF : 3728.3/6

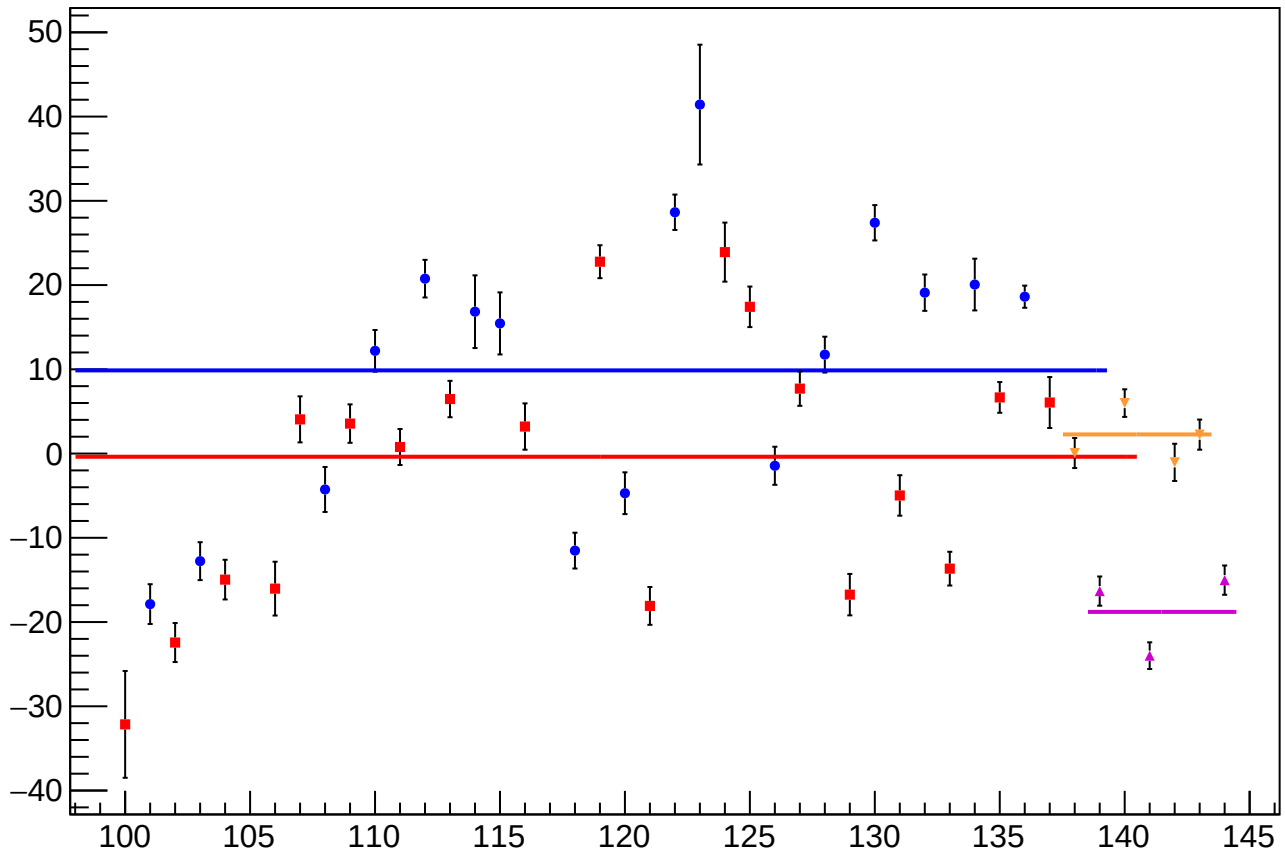
Right: 3097.690+/-0.589 χ^2/NDF : 15209.4/35

In: 3049.208+/-0.715 χ^2/NDF : 21470.8/19

Out: 3044.476+/-0.689 χ^2/NDF : 23346.4/22

All: 3046.757+/-0.496 χ^2/NDF : 44839.9/42

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.873 ± 0.560 $\chi^2/\text{NDF}: 701.6/16$

Left Out: 2.272 ± 0.911 $\chi^2/\text{NDF}: 8.9/3$

Right Out: -0.377 ± 0.548 $\chi^2/\text{NDF}: 628.0/18$

Left In: -18.795 ± 0.970 $\chi^2/\text{NDF}: 17.5/2$

Left: -7.598 ± 0.664 $\chi^2/\text{NDF}: 277.0/6$

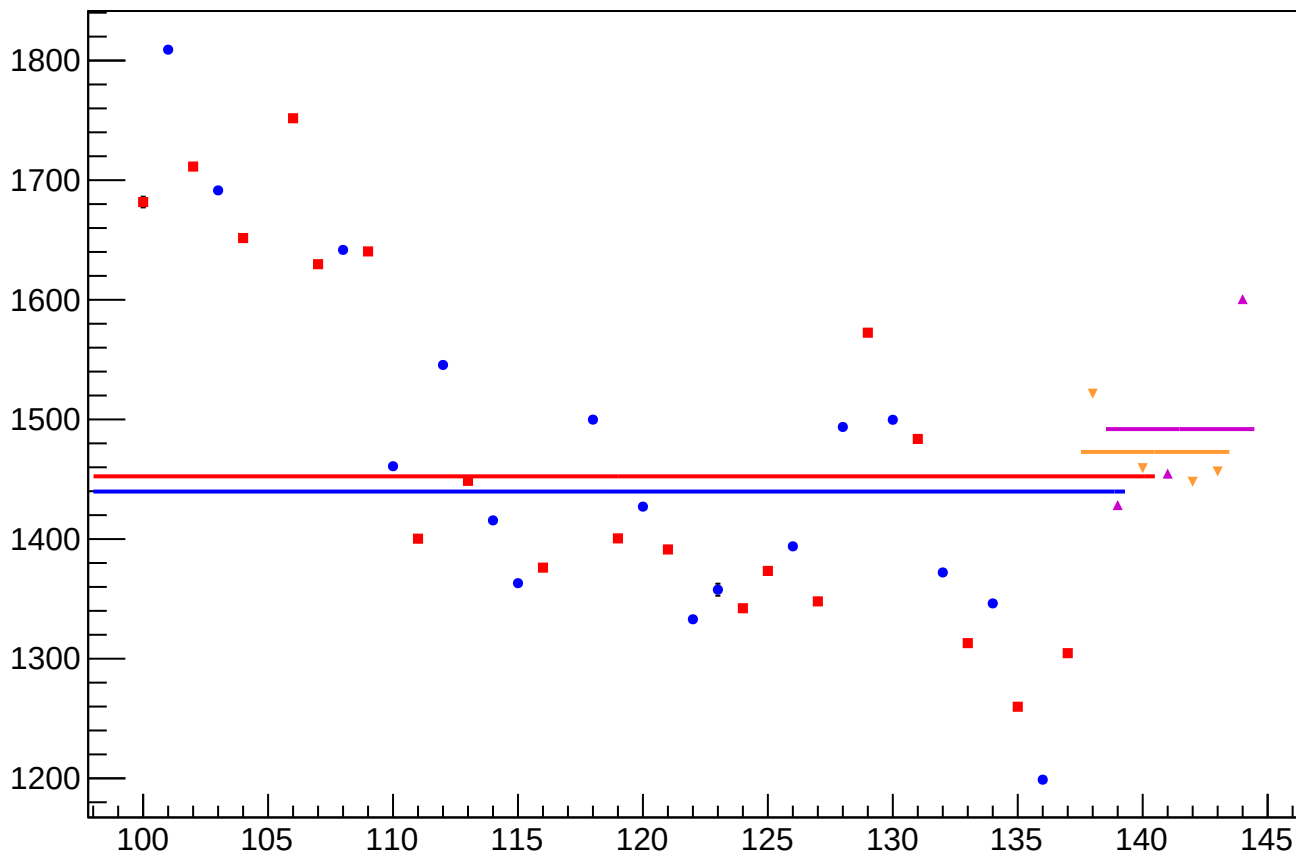
Right: 4.631 ± 0.392 $\chi^2/\text{NDF}: 1500.7/35$

In: 2.700 ± 0.485 $\chi^2/\text{NDF}: 1373.7/19$

Out: 0.327 ± 0.469 $\chi^2/\text{NDF}: 643.2/22$

All: 1.474 ± 0.337 $\chi^2/\text{NDF}: 2029.3/42$

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1439.733 ± 0.396 $\chi^2/\text{NDF}: 172867.1/16$

Left Out: 1472.845 ± 0.644 $\chi^2/\text{NDF}: 2049.0/3$

Right Out: 1452.445 ± 0.387 $\chi^2/\text{NDF}: 138400.9/18$

Left In: 1491.936 ± 0.686 $\chi^2/\text{NDF}: 11603.5/2$

Left: 1481.790 ± 0.470 $\chi^2/\text{NDF}: 14064.0/6$

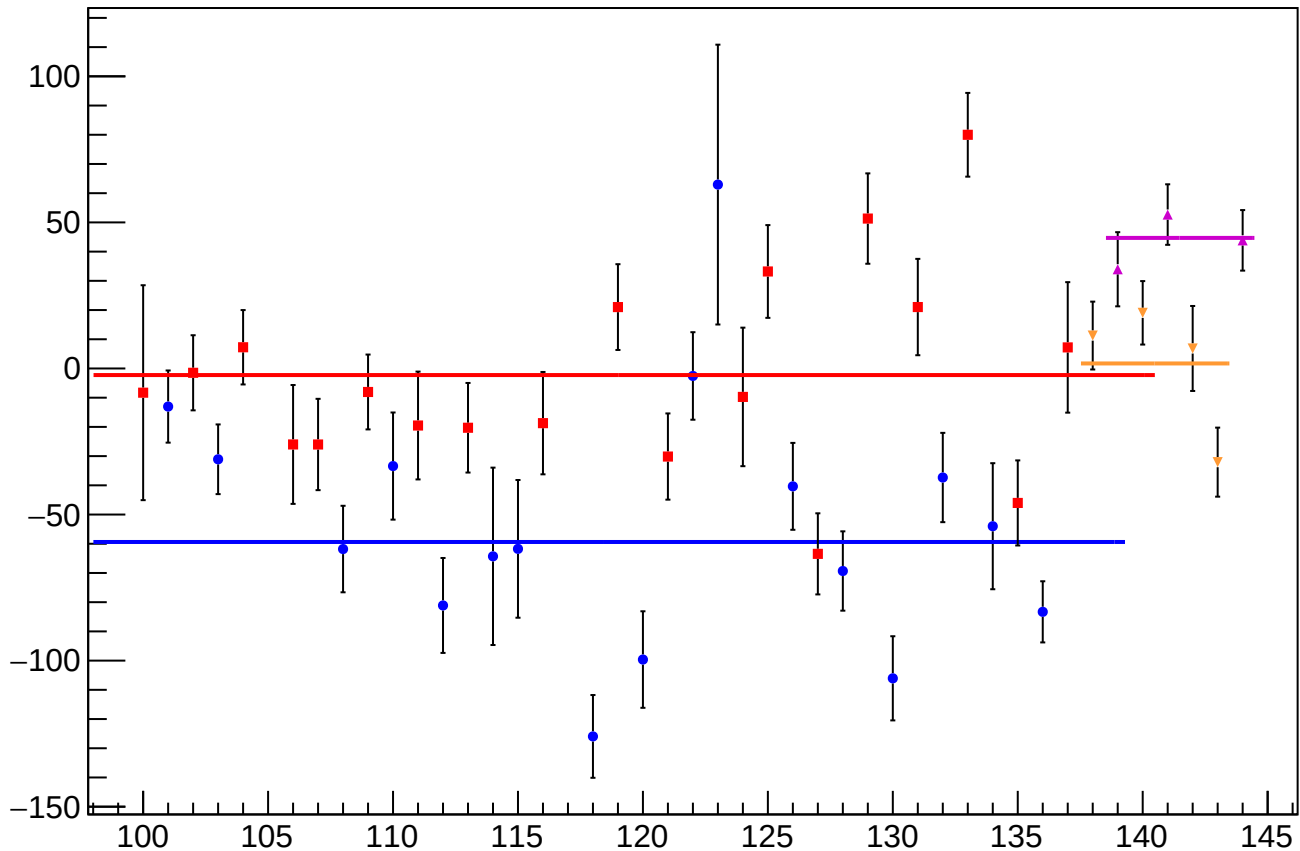
Right: 1446.234 ± 0.277 $\chi^2/\text{NDF}: 311794.3/35$

In: 1452.794 ± 0.343 $\chi^2/\text{NDF}: 188811.9/19$

Out: 1457.863 ± 0.332 $\chi^2/\text{NDF}: 141186.5/22$

All: 1455.412 ± 0.239 $\chi^2/\text{NDF}: 330111.1/42$

diff_bpm0l02X_mean vs Slug, Sign Corrected



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

Left Out: 1.717 ± 6.000 $\chi^2/\text{NDF}: 11.5/3$

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

Left In: 44.694 ± 6.345 $\chi^2/\text{NDF}: 1.3/2$

Left: 22.005 ± 4.360 $\chi^2/\text{NDF}: 37.1/6$

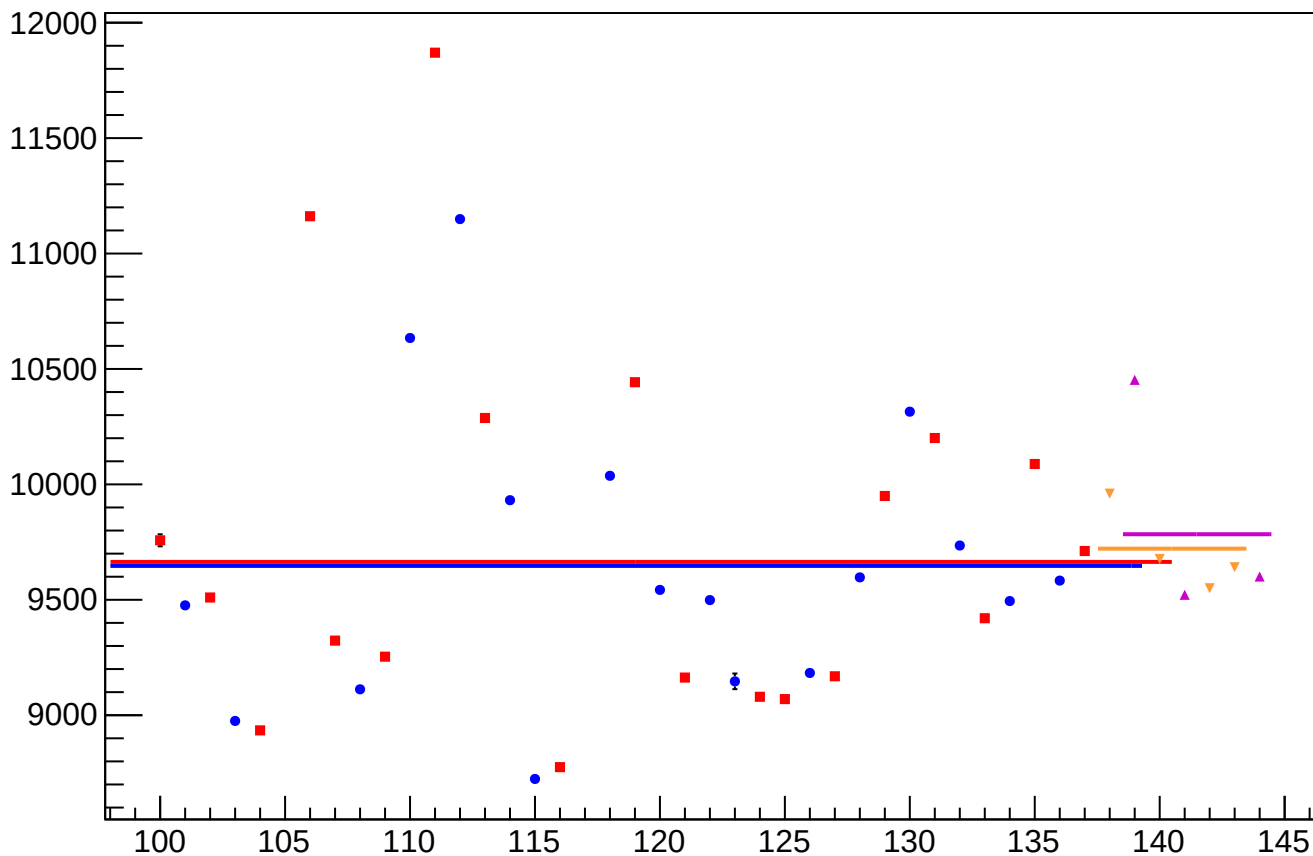
Right: -30.055 ± 2.606 $\chi^2/\text{NDF}: 307.0/35$

In: -32.602 ± 3.219 $\chi^2/\text{NDF}: 293.7/19$

Out: -1.188 ± 3.110 $\chi^2/\text{NDF}: 106.2/22$

All: -16.352 ± 2.237 $\chi^2/\text{NDF}: 449.1/42$

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9646.921+/-2.641 χ^2/NDF : 43997.1/16

Left Out: 9721.568+/-4.243 χ^2/NDF : 1246.1/3

Right Out: 9664.191+/-2.571 χ^2/NDF : 77326.5/18

Left In: 9784.065+/-4.487 χ^2/NDF : 7461.7/2

Left: 9751.072+/-3.083 χ^2/NDF : 8810.2/6

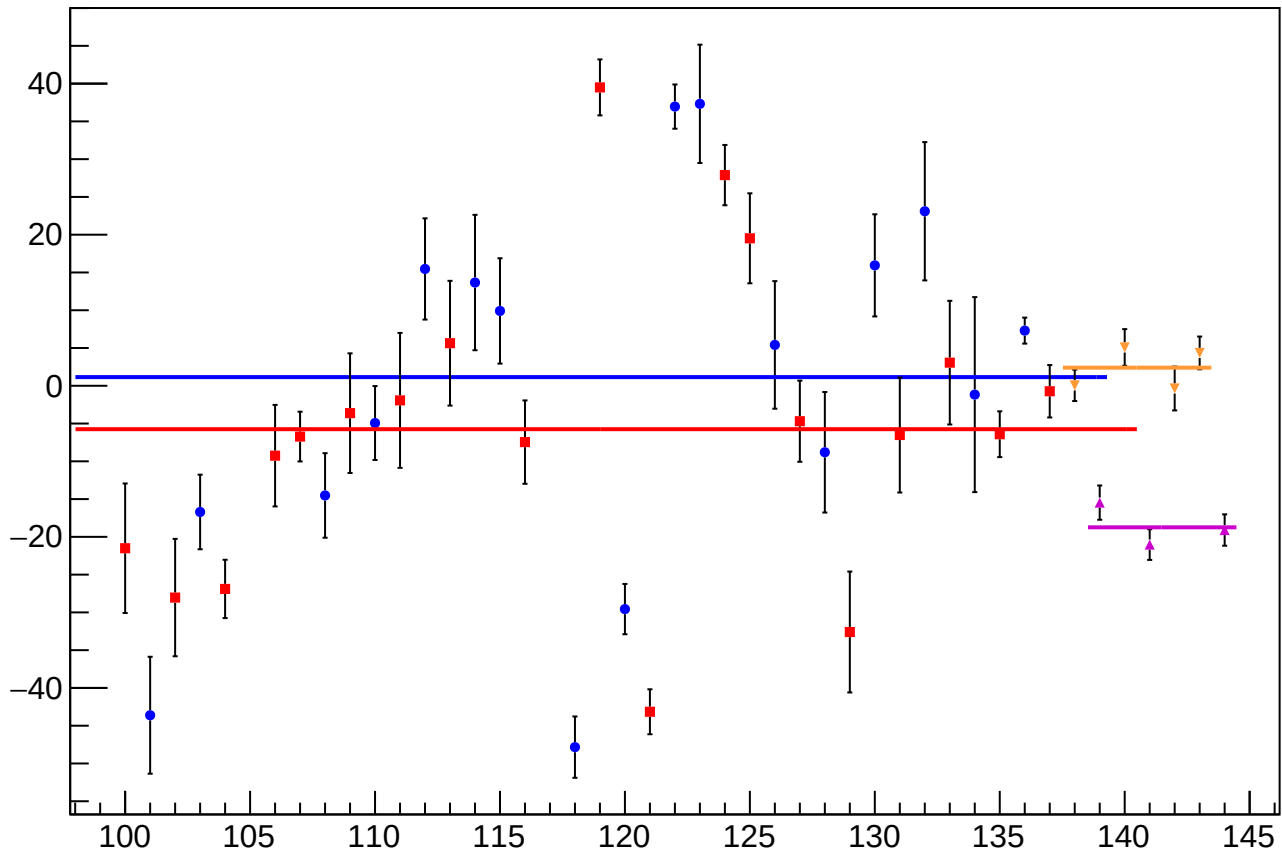
Right: 9655.788+/-1.842 χ^2/NDF : 121345.6/35

In: 9682.220+/-2.276 χ^2/NDF : 52152.7/19

Out: 9679.604+/-2.199 χ^2/NDF : 78706.3/22

All: 9680.867+/-1.582 χ^2/NDF : 130859.7/42

diff_bpm0l02Y_mean vs Slug, Sign Corrected



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

Left Out: 2.400 ± 1.168 $\chi^2/\text{NDF}: 4.2/3$

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

Left In: -18.739 ± 1.223 $\chi^2/\text{NDF}: 3.4/2$

Left: -7.681 ± 0.844 $\chi^2/\text{NDF}: 163.9/6$

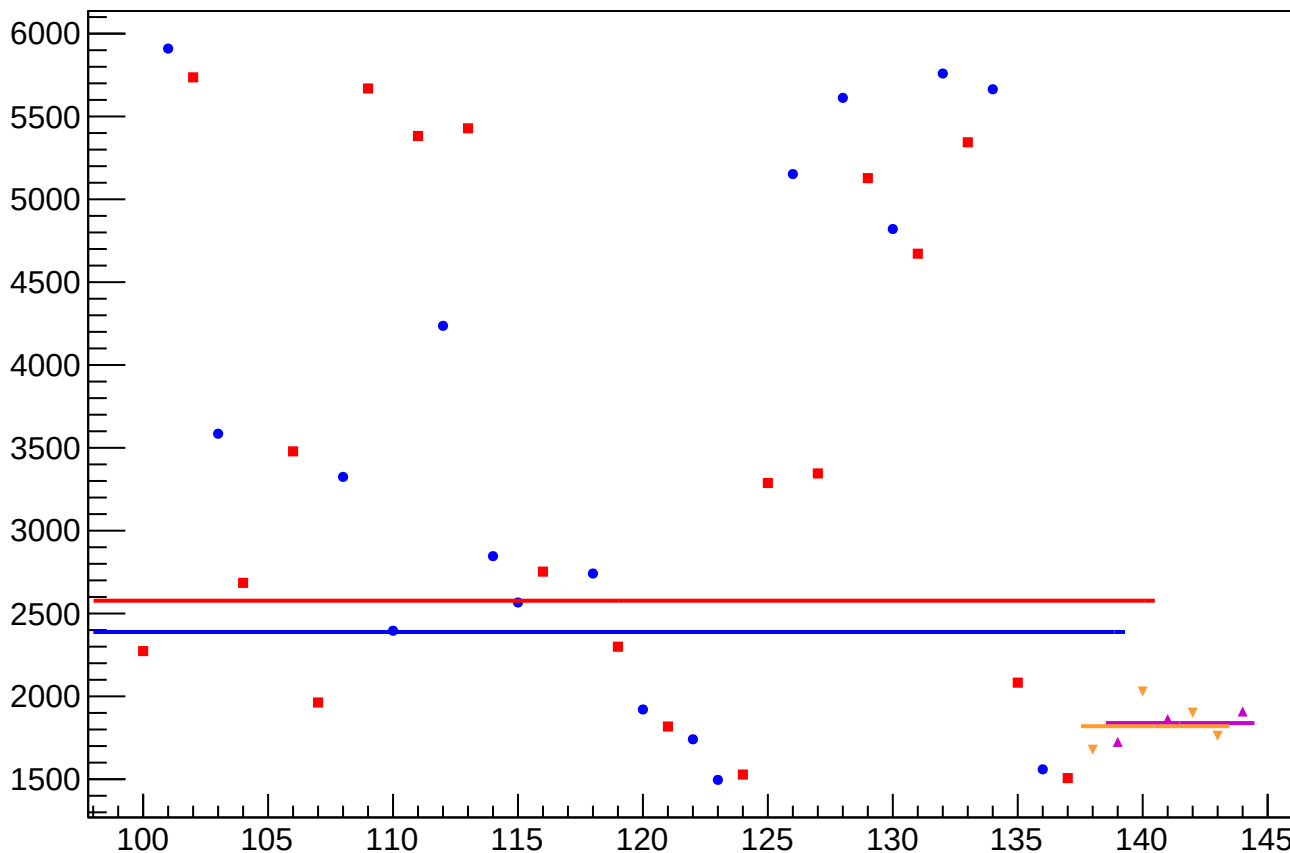
Right: -2.221 ± 0.763 $\chi^2/\text{NDF}: 966.1/35$

In: -7.450 ± 0.804 $\chi^2/\text{NDF}: 644.2/19$

Out: -1.946 ± 0.798 $\chi^2/\text{NDF}: 485.2/22$

All: -4.676 ± 0.566 $\chi^2/\text{NDF}: 1153.0/42$

diff_bpm0l02Y_rms vs Slug, Sign Corrected



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

Left Out: 1819.954 $\pm$ 0.826 χ^2 /NDF: 27231.4/3

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

Left In: 1838.837 $\pm$ 0.865 χ^2 /NDF: 7567.3/2

Left: 1828.959 $\pm$ 0.597 χ^2 /NDF: 35048.2/6

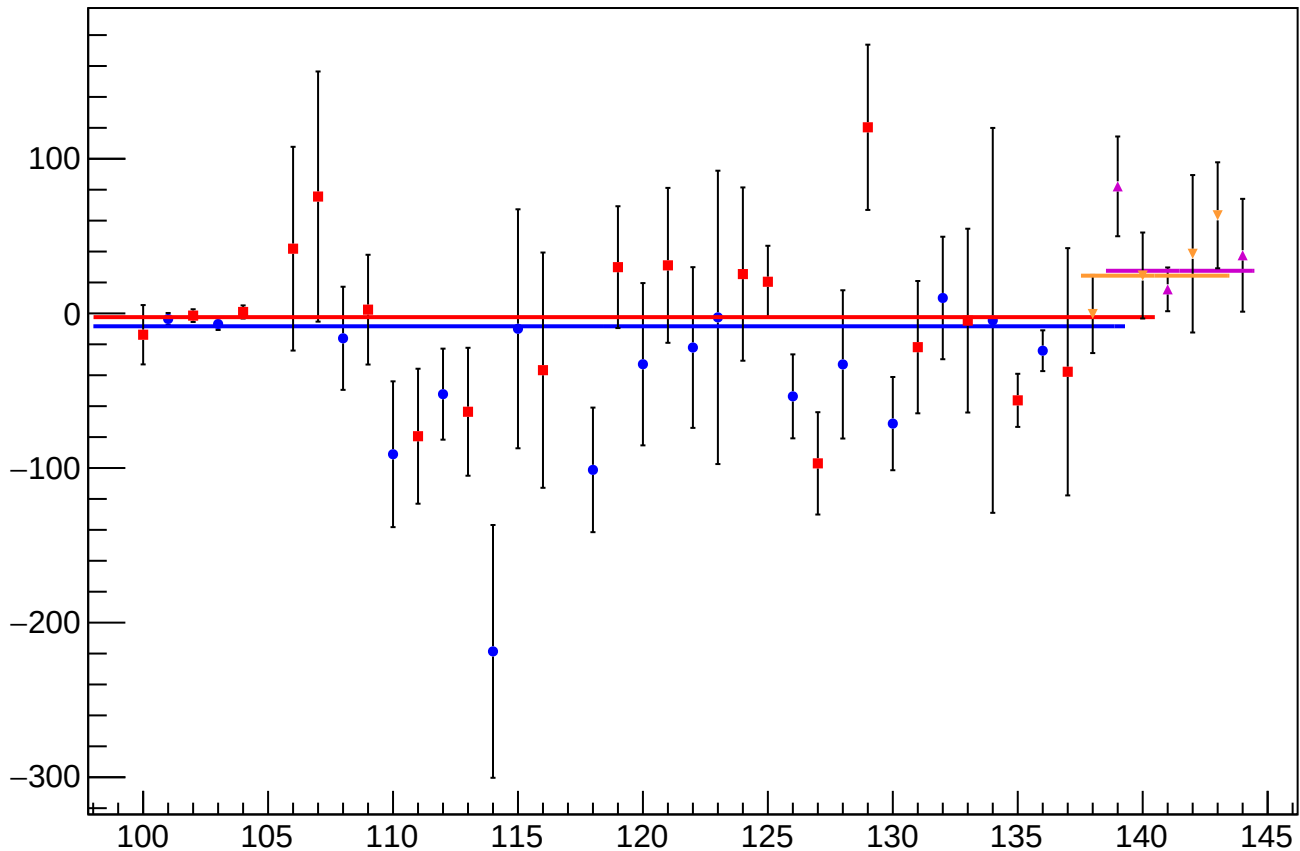
Right: 2480.778 $\pm$ 0.540 χ^2 /NDF: 4978057.3/35

In: 2150.884 $\pm$ 0.569 χ^2 /NDF: 2825665.9/19

Out: 2223.985 $\pm$ 0.564 χ^2 /NDF: 2834957.6/22

All: 2187.734 $\pm$ 0.400 χ^2 /NDF: 5668956.6/42

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.339 $\pm$ 2.588 χ^2/NDF : 28.3/16

Left Out: 24.400 $\pm$ 15.622 χ^2/NDF : 2.3/3

Right Out: -2.423 $\pm$ 2.787 χ^2/NDF : 33.9/18

Left In: 27.561 $\pm$ 12.209 χ^2/NDF : 3.7/2

Left: 26.362 $\pm$ 9.620 χ^2/NDF : 6.0/6

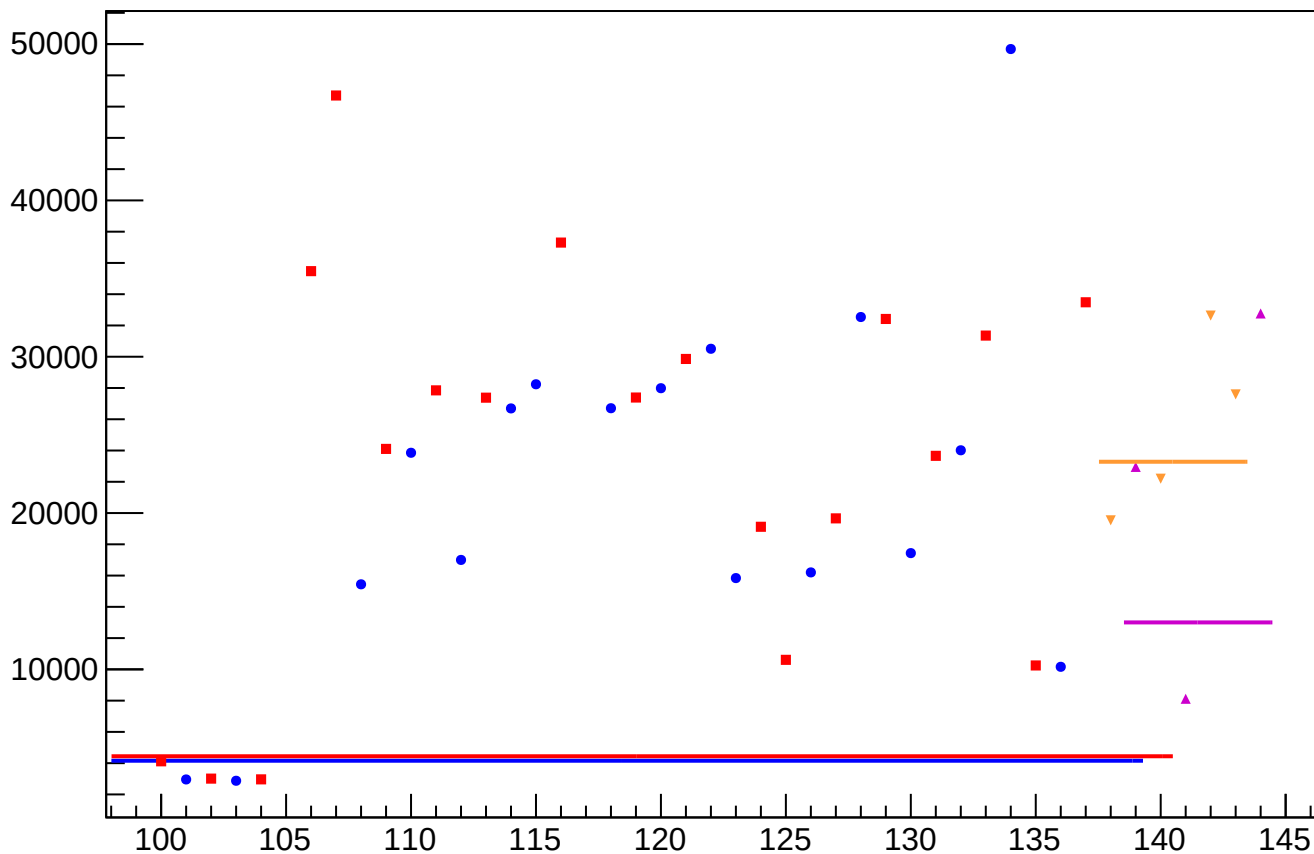
Right: -5.599 $\pm$ 1.896 χ^2/NDF : 64.6/35

In: -6.795 $\pm$ 2.532 χ^2/NDF : 40.2/19

Out: -1.595 $\pm$ 2.744 χ^2/NDF : 39.1/22

All: -4.403 $\pm$ 1.861 χ^2/NDF : 81.3/42

diff_bpm0l03X_rms vs Slug, Sign Corrected



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

Left Out: 23281.964 $\pm$ 11.046 χ^2/NDF :146129.0/3

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

Left In: 13003.614 $\pm$ 8.633 χ^2/NDF :1015276.7/2

Left: 16901.177 $\pm$ 6.802 χ^2/NDF : 1698882.1/6

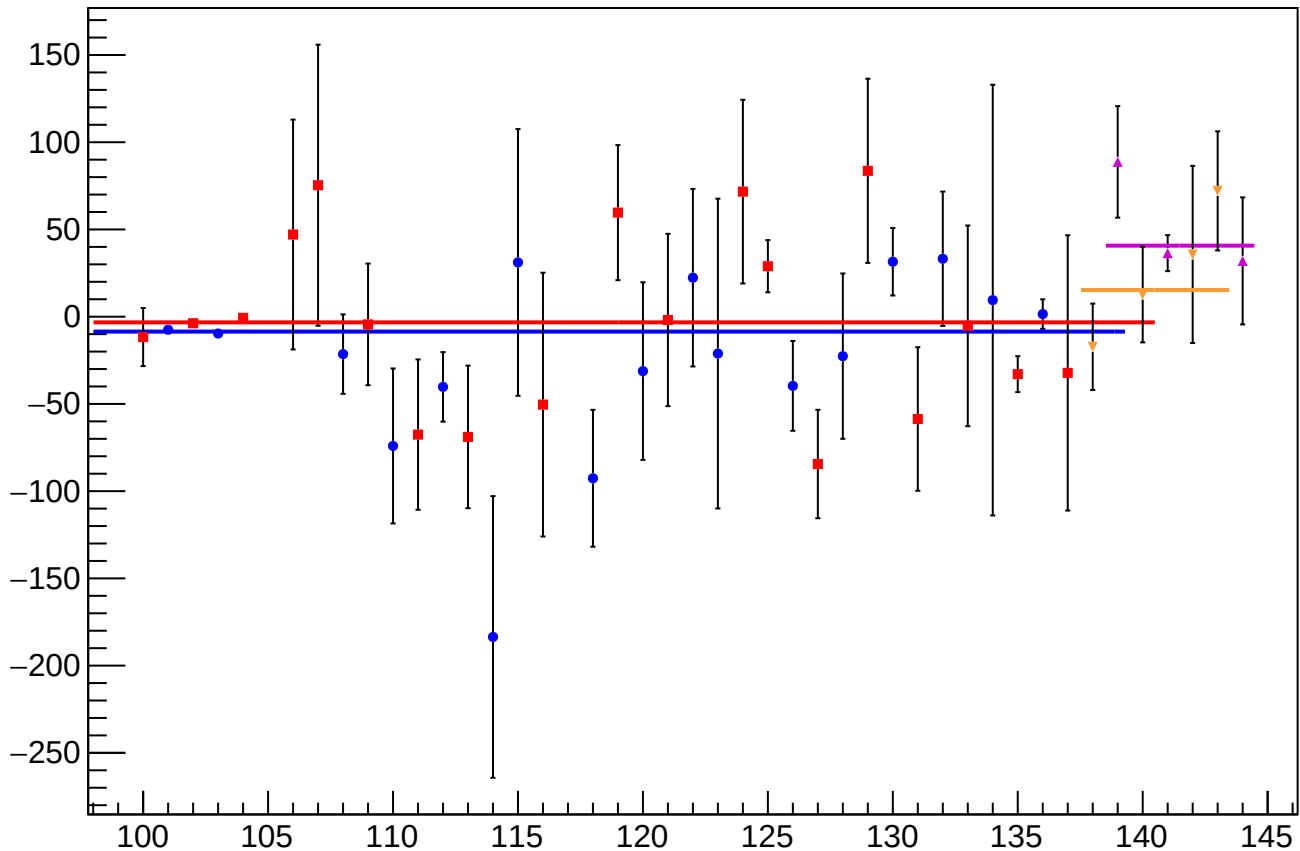
Right: 4288.220 $\pm$ 1.341 χ^2/NDF : 13385734.9/35

In: 4536.552 $\pm$ 1.790 χ^2/NDF :7994896.7/19

Out: 5022.591 $\pm$ 1.940 χ^2/NDF :10365354.7/22

All: 4760.089 $\pm$ 1.316 χ^2/NDF : 18394149.0/4

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.536 ± 1.778 χ^2/NDF : 24.0/16

Left Out: 15.323 ± 15.418 χ^2/NDF : 4.7/3

Right Out: -3.248 ± 1.922 χ^2/NDF : 36.9/18

Left In: 40.719 ± 9.475 χ^2/NDF : 2.5/2

Left: 33.757 ± 8.073 χ^2/NDF : 9.1/6

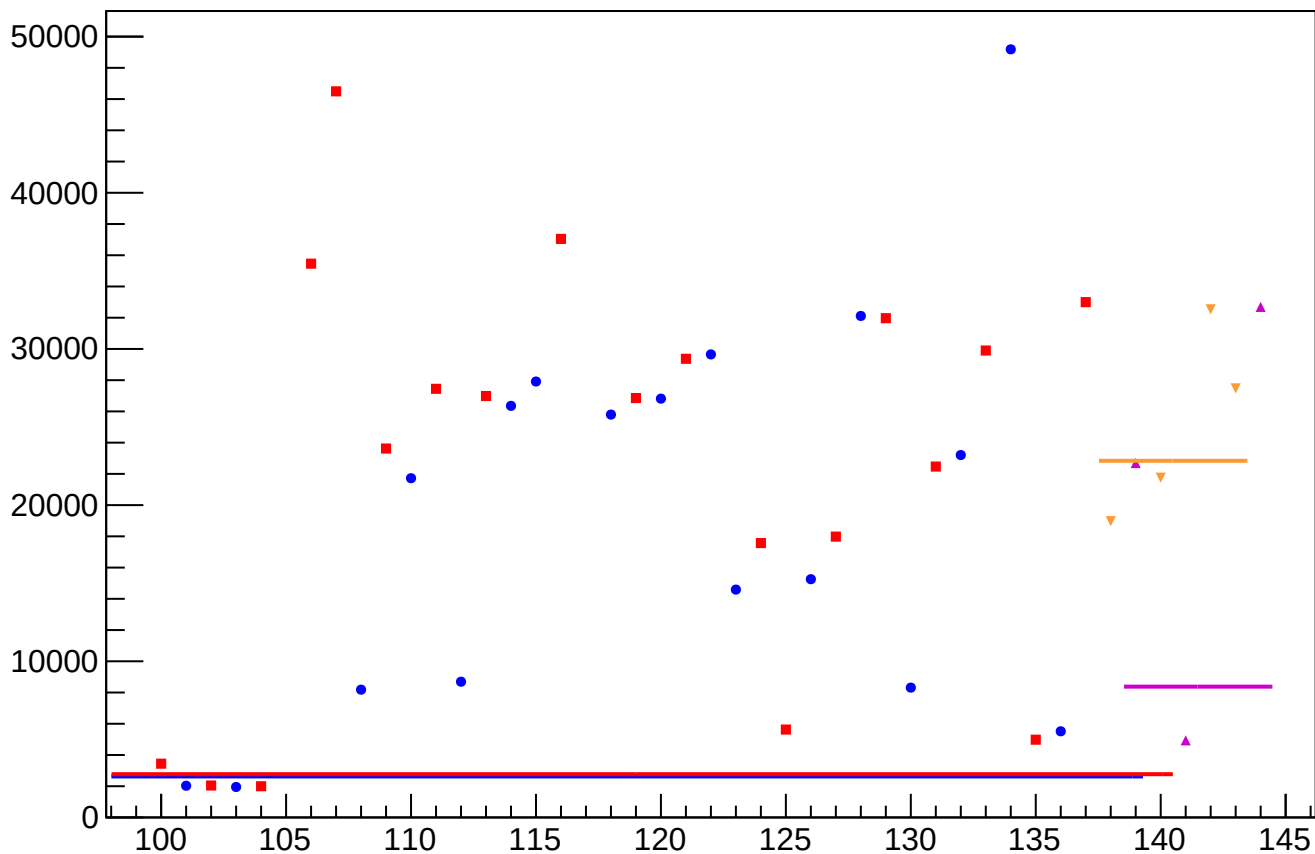
Right: -6.098 ± 1.305 χ^2/NDF : 65.0/35

In: -6.861 ± 1.748 χ^2/NDF : 52.6/19

Out: -2.963 ± 1.908 χ^2/NDF : 43.0/22

All: -5.082 ± 1.289 χ^2/NDF : 97.8/42

diff_bpm0l03Y_rms vs Slug, Sign Corrected



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

Left Out: 22838.178+/-10.903 χ^2/NDF : 161740.5/3

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

Left In: 8376.401+/-6.700 χ^2/NDF : 1515728.5/2

Left: 12340.960+/-5.708 χ^2/NDF : 2954620.3/6

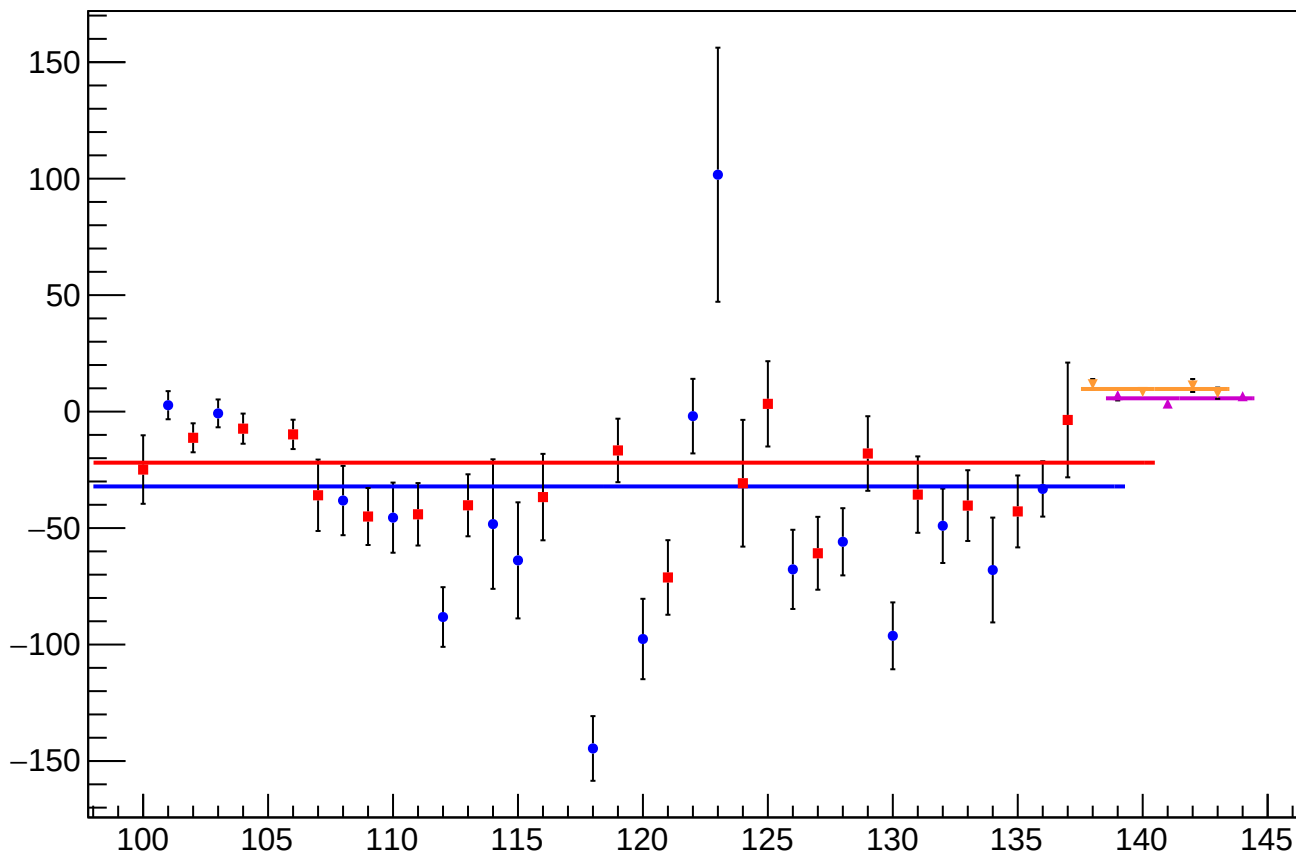
Right: 2693.290+/-0.923 χ^2/NDF : 13388655.9/35

In: 2822.652+/-1.236 χ^2/NDF : 7796852.4/19

Out: 3077.794+/-1.349 χ^2/NDF : 11310593.1/22

All: 2939.077+/-0.911 χ^2/NDF : 19126899.7/4

diff_bpm0l04X_mean vs Slug, Sign Corrected



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

Left Out: 9.710 ± 1.181 χ^2/NDF : 2.0/3

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

Left In: 5.706 ± 1.240 χ^2/NDF : 1.6/2

Left: 7.805 ± 0.855 χ^2/NDF : 9.1/6

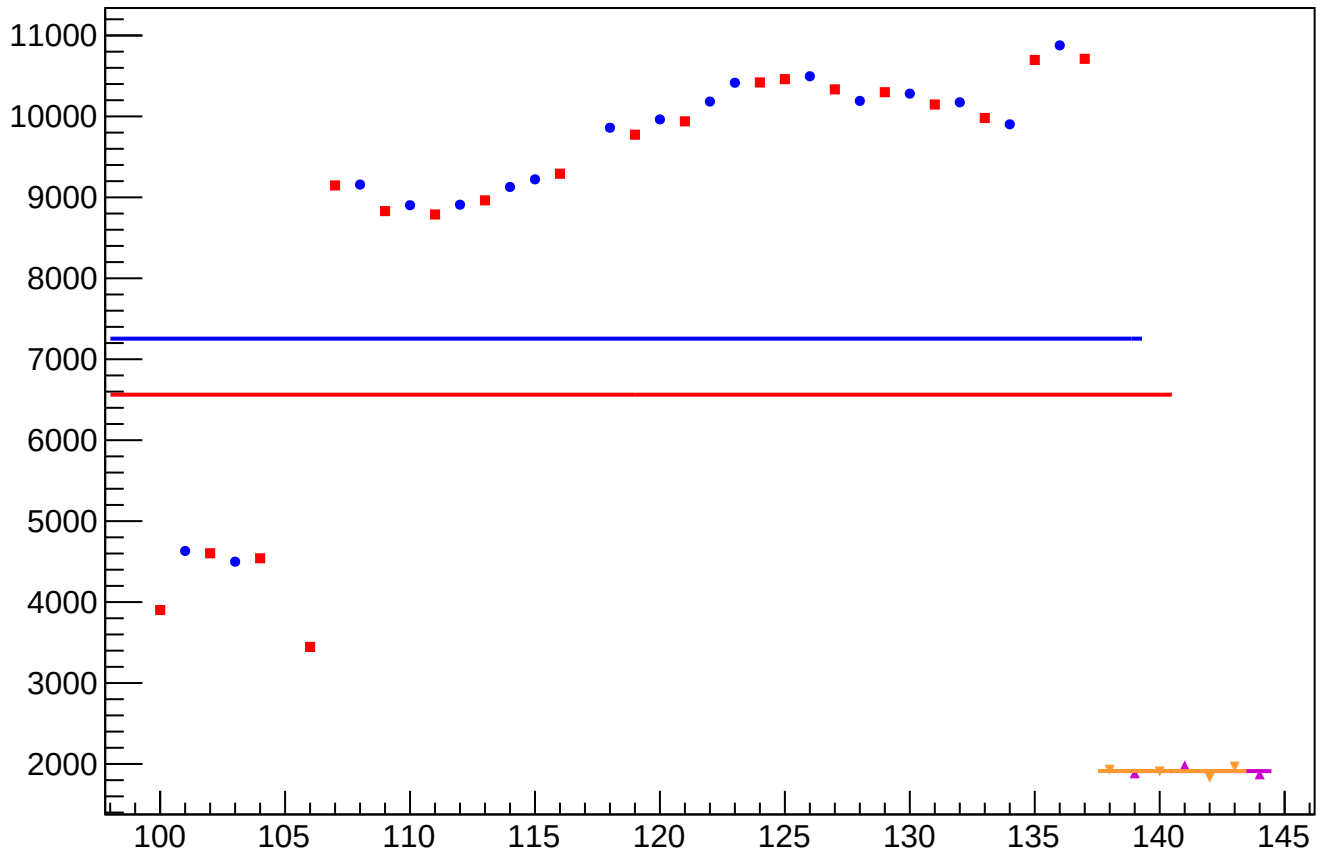
Right: -26.460 ± 1.991 χ^2/NDF : 253.7/35

In: 0.140 ± 1.145 χ^2/NDF : 342.0/19

Out: 4.537 ± 1.080 χ^2/NDF : 163.2/22

All: 2.466 ± 0.786 χ^2/NDF : 513.0/42

diff_bpm0l04X_rms vs Slug, Sign Corrected



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

Left Out: 1913.336+/-0.835 χ^2/NDF : 2820.0/3

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

Left In: 1912.083+/-0.877 χ^2/NDF : 3058.1/2

Left: 1912.740+/-0.605 χ^2/NDF : 5879.2/6

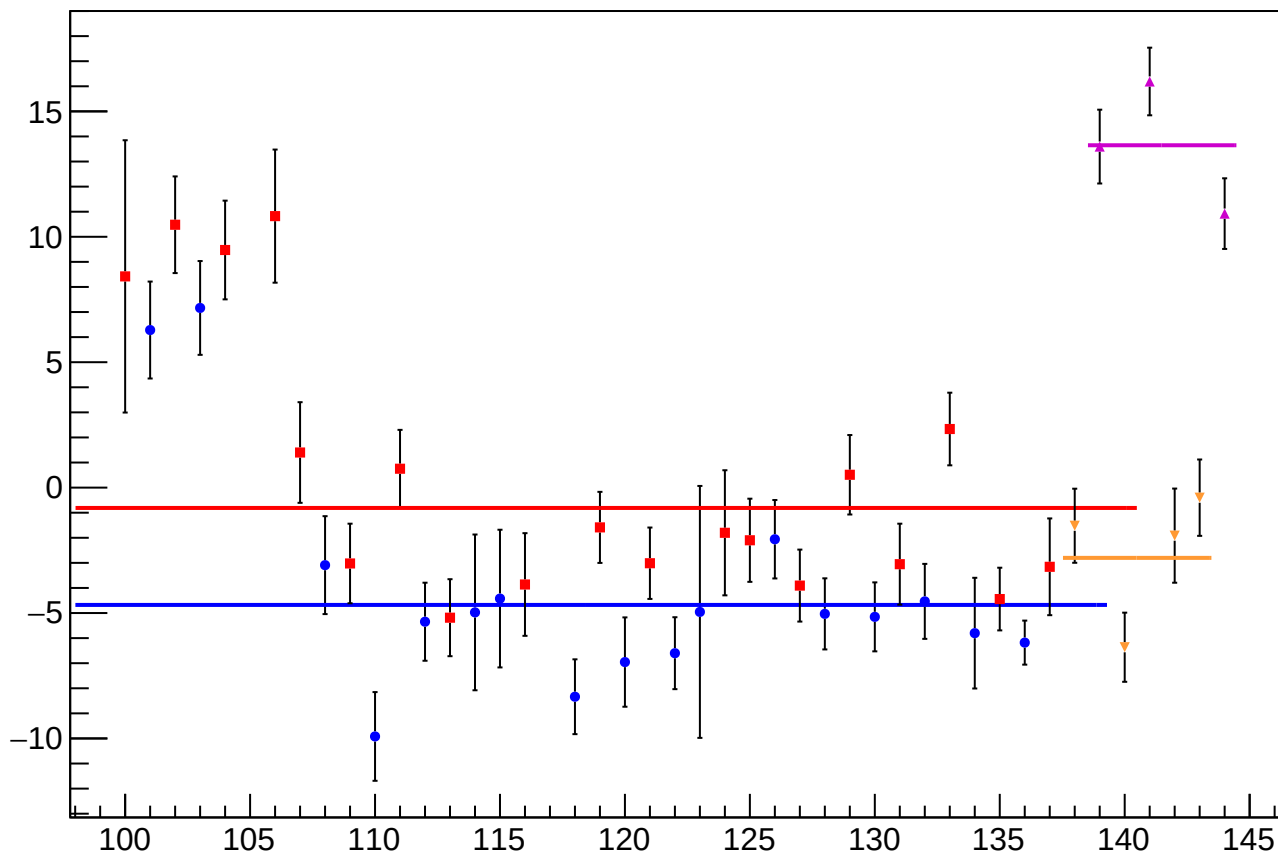
Right: 6870.261+/-1.408 χ^2/NDF : 3883763.4/35

In: 2698.142+/-0.810 χ^2/NDF : 7101325.2/19

Out: 2673.572+/-0.764 χ^2/NDF : 7260111.8/22

All: 2685.145+/-0.556 χ^2/NDF : 14361924.2/4

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.677 ± 0.393 χ^2/NDF : 97.6/16

Left Out: -2.801 ± 0.767 χ^2/NDF : 10.1/3

Right Out: -0.810 ± 0.389 χ^2/NDF : 123.7/18

Left In: 13.649 ± 0.812 χ^2/NDF : 7.3/2

Left: 4.954 ± 0.558 χ^2/NDF : 234.4/6

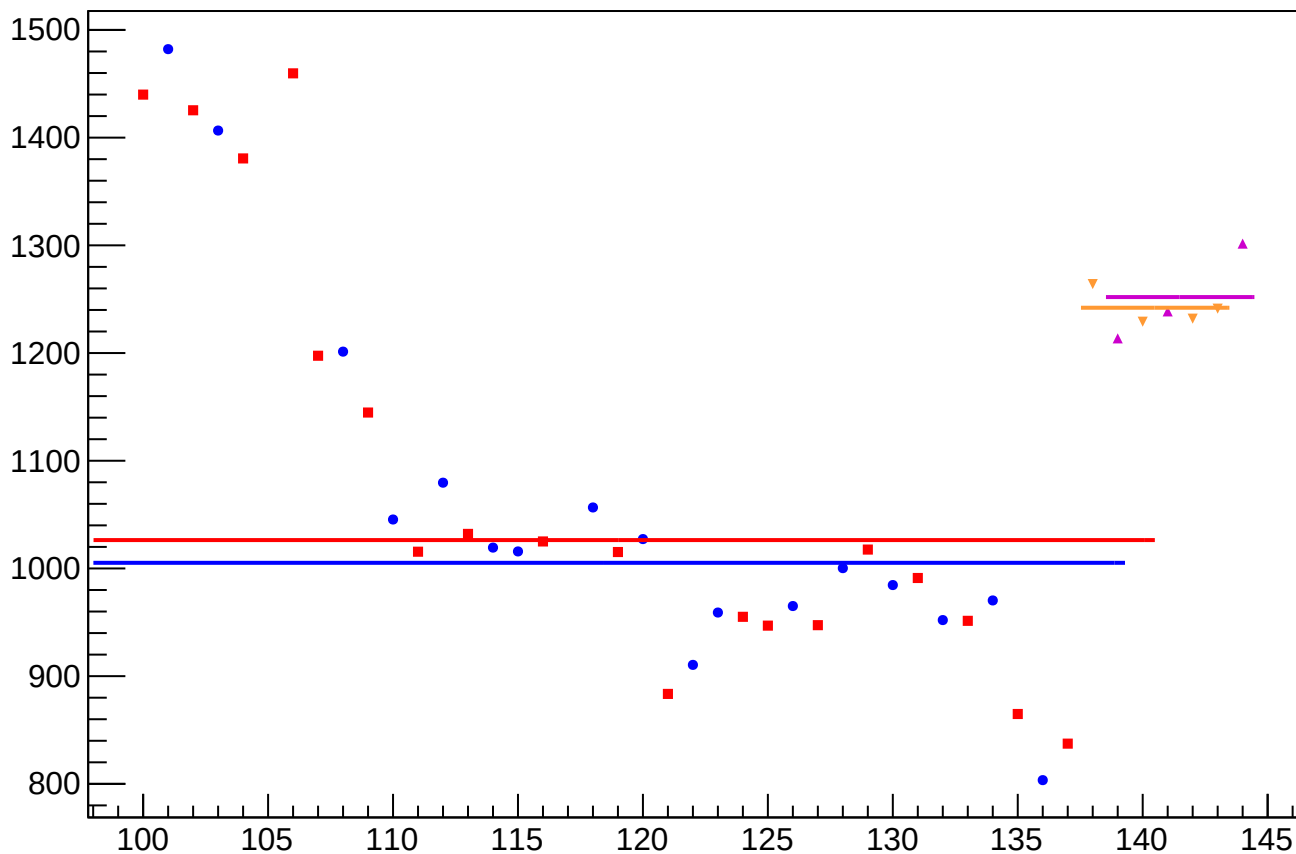
Right: -2.723 ± 0.277 χ^2/NDF : 270.1/35

In: -1.194 ± 0.354 χ^2/NDF : 517.4/19

Out: -1.218 ± 0.347 χ^2/NDF : 139.2/22

All: -1.206 ± 0.248 χ^2/NDF : 656.6/42

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1005.234 $\pm$ 0.278 χ^2/NDF : 361933.2/16

Left Out: 1242.067 $\pm$ 0.542 χ^2/NDF : 678.6/3

Right Out: 1026.341 $\pm$ 0.275 χ^2/NDF : 332964.3/18

Left In: 1251.970 $\pm$ 0.574 χ^2/NDF : 4036.4/2

Left: 1246.736 $\pm$ 0.394 χ^2/NDF : 4872.2/6

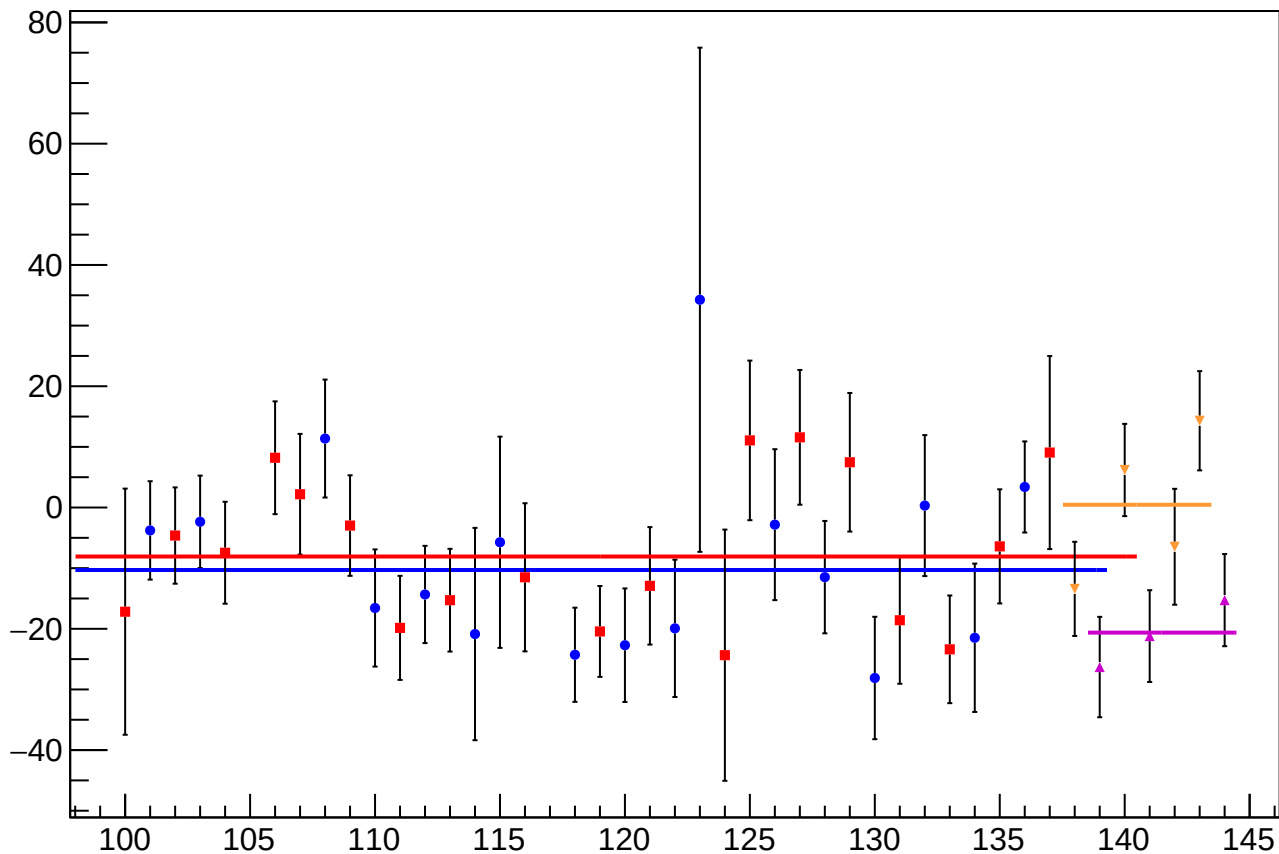
Right: 1015.898 $\pm$ 0.196 χ^2/NDF : 697807.1/35

In: 1052.123 $\pm$ 0.250 χ^2/NDF : 515524.6/19

Out: 1070.530 $\pm$ 0.245 χ^2/NDF : 459493.7/22

All: 1061.508 $\pm$ 0.175 χ^2/NDF : 977775.5/42

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.305 $\pm$ 2.412 χ^2/NDF : 23.2/16

Left Out: 0.454 $\pm$ 4.091 χ^2/NDF : 7.2/3

Right Out: -8.079 $\pm$ 2.281 χ^2/NDF : 23.4/18

Left In: -20.630 $\pm$ 4.500 χ^2/NDF : 1.0/2

Left: -9.086 $\pm$ 3.027 χ^2/NDF : 20.1/6

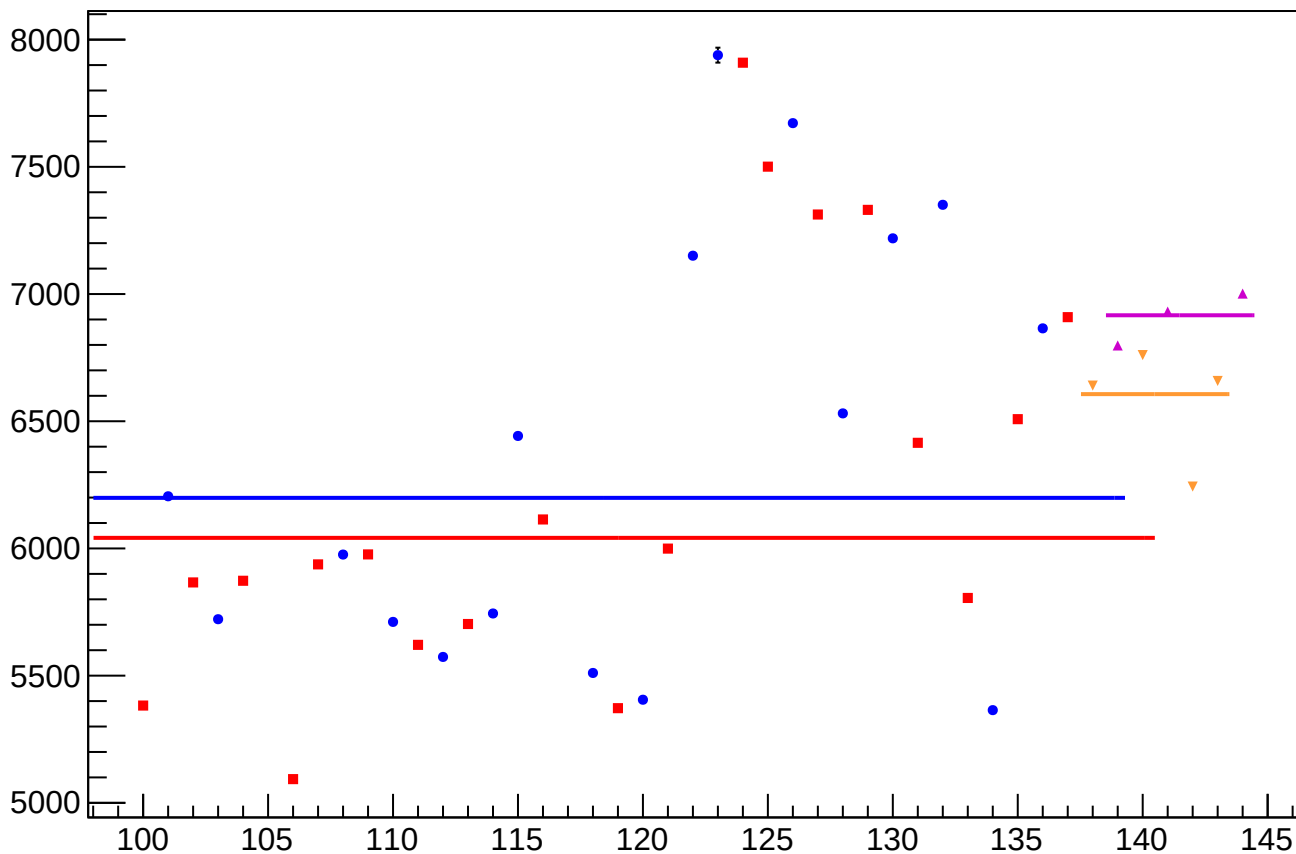
Right: -9.130 $\pm$ 1.657 χ^2/NDF : 47.1/35

In: -12.609 $\pm$ 2.126 χ^2/NDF : 28.2/19

Out: -6.056 $\pm$ 1.992 χ^2/NDF : 33.9/22

All: -9.120 $\pm$ 1.454 χ^2/NDF : 67.2/42

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 6198.871 ± 1.705 $\chi^2/\text{NDF}: 171305.8/16$

Left Out: 6606.601 ± 2.893 $\chi^2/\text{NDF}: 3823.5/3$

Right Out: 6041.626 ± 1.613 $\chi^2/\text{NDF}: 156387.0/18$

Left In: 6916.542 ± 3.182 $\chi^2/\text{NDF}: 670.0/2$

Left: 6746.840 ± 2.141 $\chi^2/\text{NDF}: 9687.8/6$

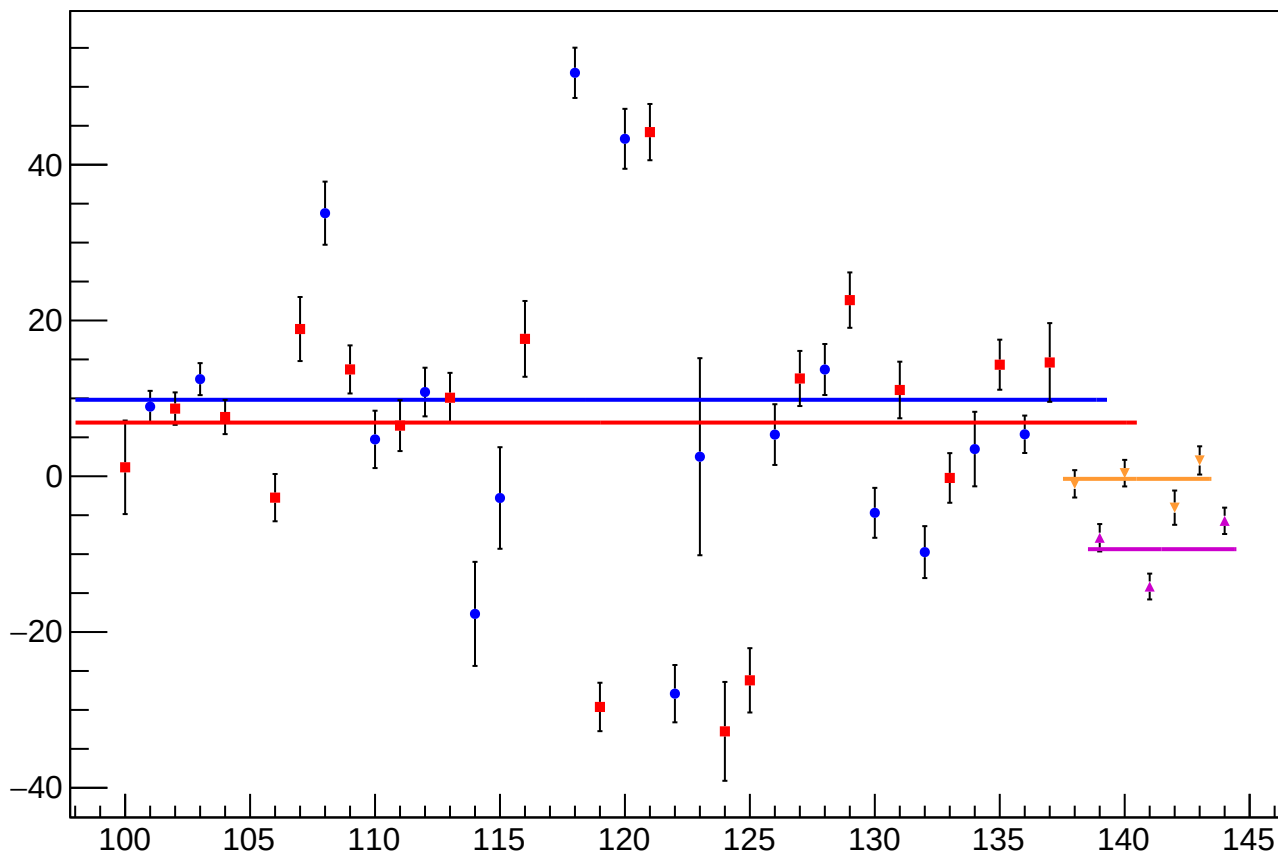
Right: 6115.860 ± 1.172 $\chi^2/\text{NDF}: 332181.0/35$

In: 6359.004 ± 1.503 $\chi^2/\text{NDF}: 211490.6/19$

Out: 6175.586 ± 1.409 $\chi^2/\text{NDF}: 189310.8/22$

All: 6261.346 ± 1.028 $\chi^2/\text{NDF}: 408729.2/42$

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 9.819 ± 0.798 $\chi^2/\text{NDF}: 472.6/16$

Left Out: -0.333 ± 0.921 $\chi^2/\text{NDF}: 4.8/3$

Right Out: 6.893 ± 0.766 $\chi^2/\text{NDF}: 415.2/18$

Left In: -9.362 ± 0.982 $\chi^2/\text{NDF}: 13.7/2$

Left: -4.558 ± 0.672 $\chi^2/\text{NDF}: 63.5/6$

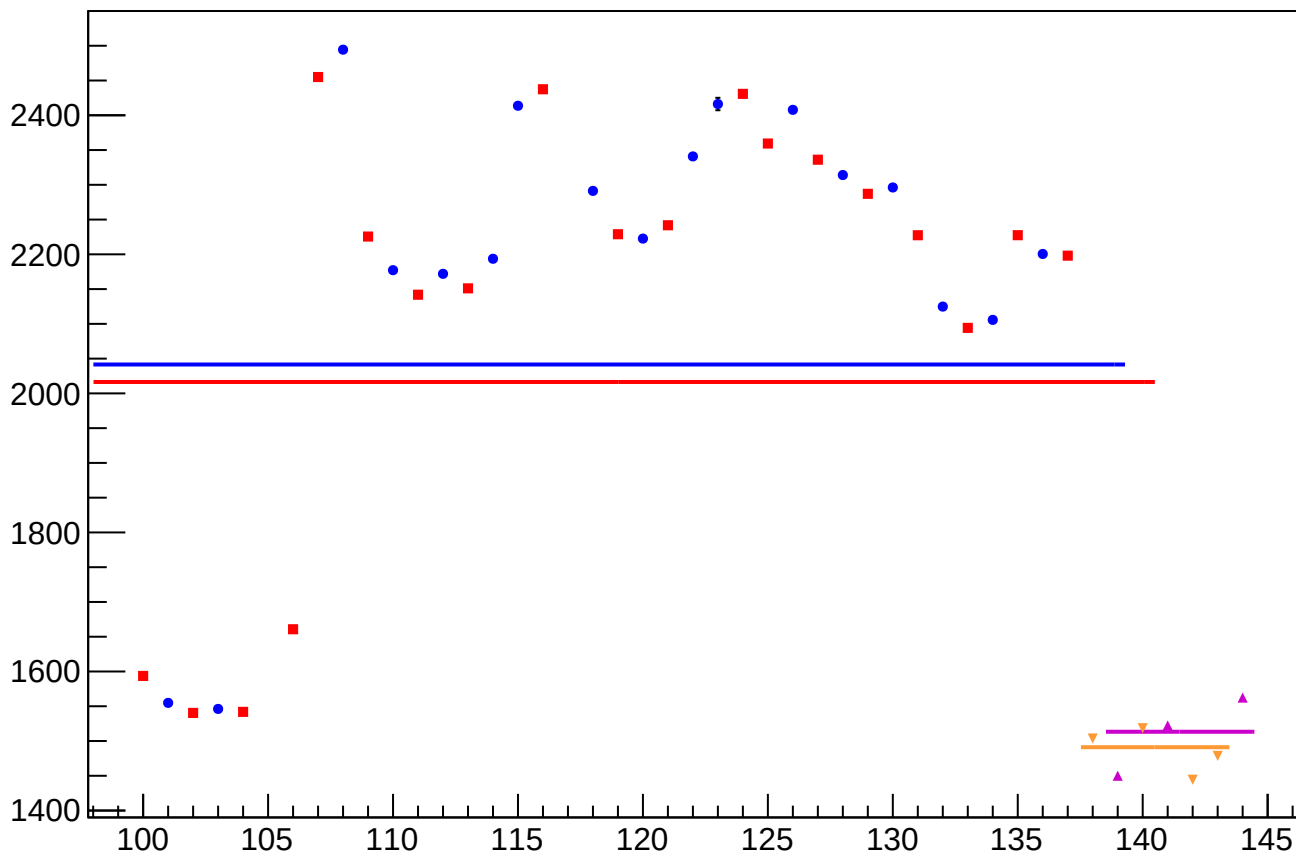
Right: 8.296 ± 0.553 $\chi^2/\text{NDF}: 894.8/35$

In: 2.193 ± 0.619 $\chi^2/\text{NDF}: 716.1/19$

Out: 3.939 ± 0.589 $\chi^2/\text{NDF}: 456.4/22$

All: 3.110 ± 0.427 $\chi^2/\text{NDF}: 1176.7/42$

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 2041.543+/-0.564 χ^2/NDF : 356223.7/16

Left Out: 1491.099+/-0.651 χ^2/NDF : 1612.1/3

Right Out: 2016.419+/-0.542 χ^2/NDF : 375150.5/18

Left In: 1513.326+/-0.695 χ^2/NDF : 4336.4/2

Left: 1501.499+/-0.475 χ^2/NDF : 6493.5/6

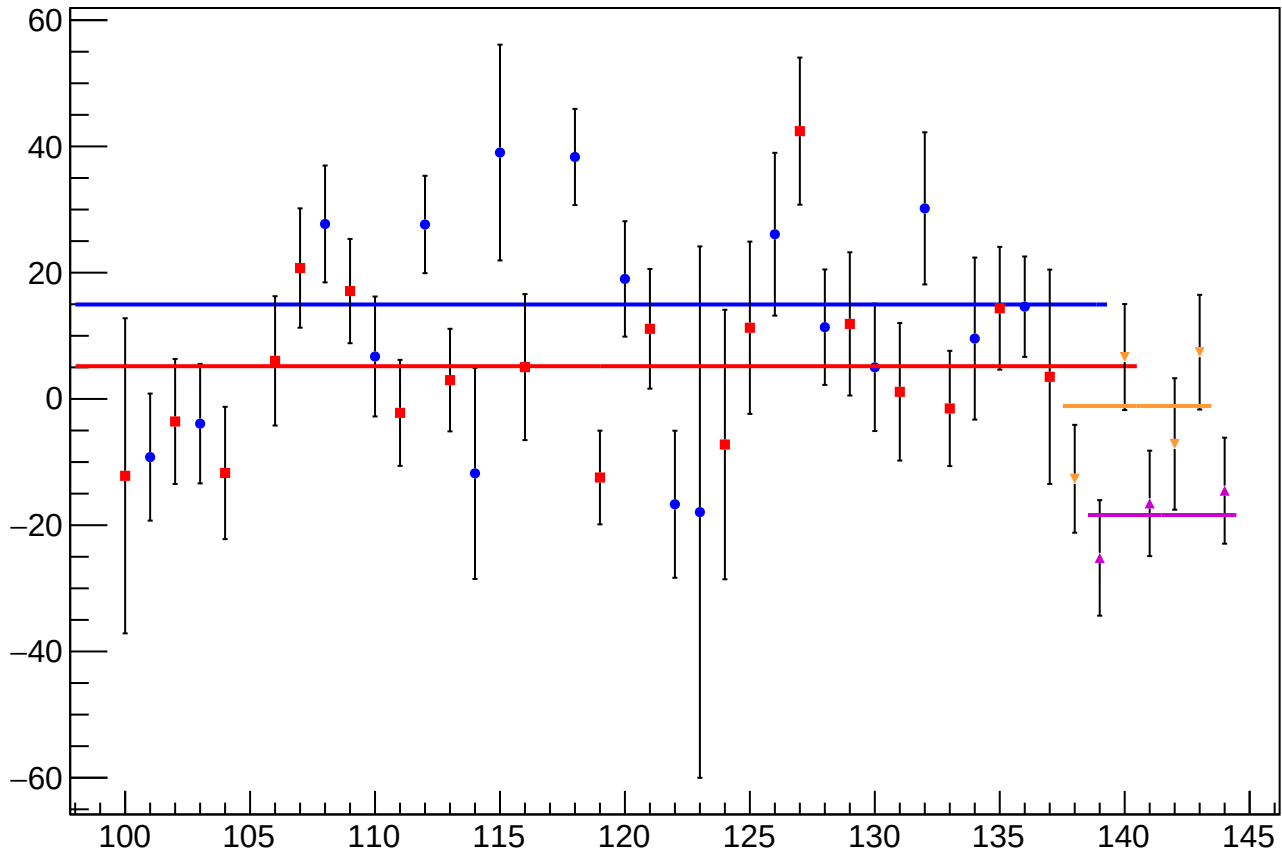
Right: 2028.464+/-0.391 χ^2/NDF : 732406.2/35

In: 1831.523+/-0.438 χ^2/NDF : 708994.9/19

Out: 1801.701+/-0.416 χ^2/NDF : 761420.4/22

All: 1815.860+/-0.302 χ^2/NDF : 1472850.7/42

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.961 $\pm$ 2.490 χ^2 /NDF: 40.9/16

Left Out: -1.122 $\pm$ 4.508 χ^2 /NDF:3.9/3

Right Out: 5.187 $\pm$ 2.360 χ^2 /NDF: 28.2/18

Left In: -18.387 $\pm$ 4.971 χ^2 /NDF:0.8/2

Left: -8.912 $\pm$ 3.339 χ^2 /NDF: 11.3/6

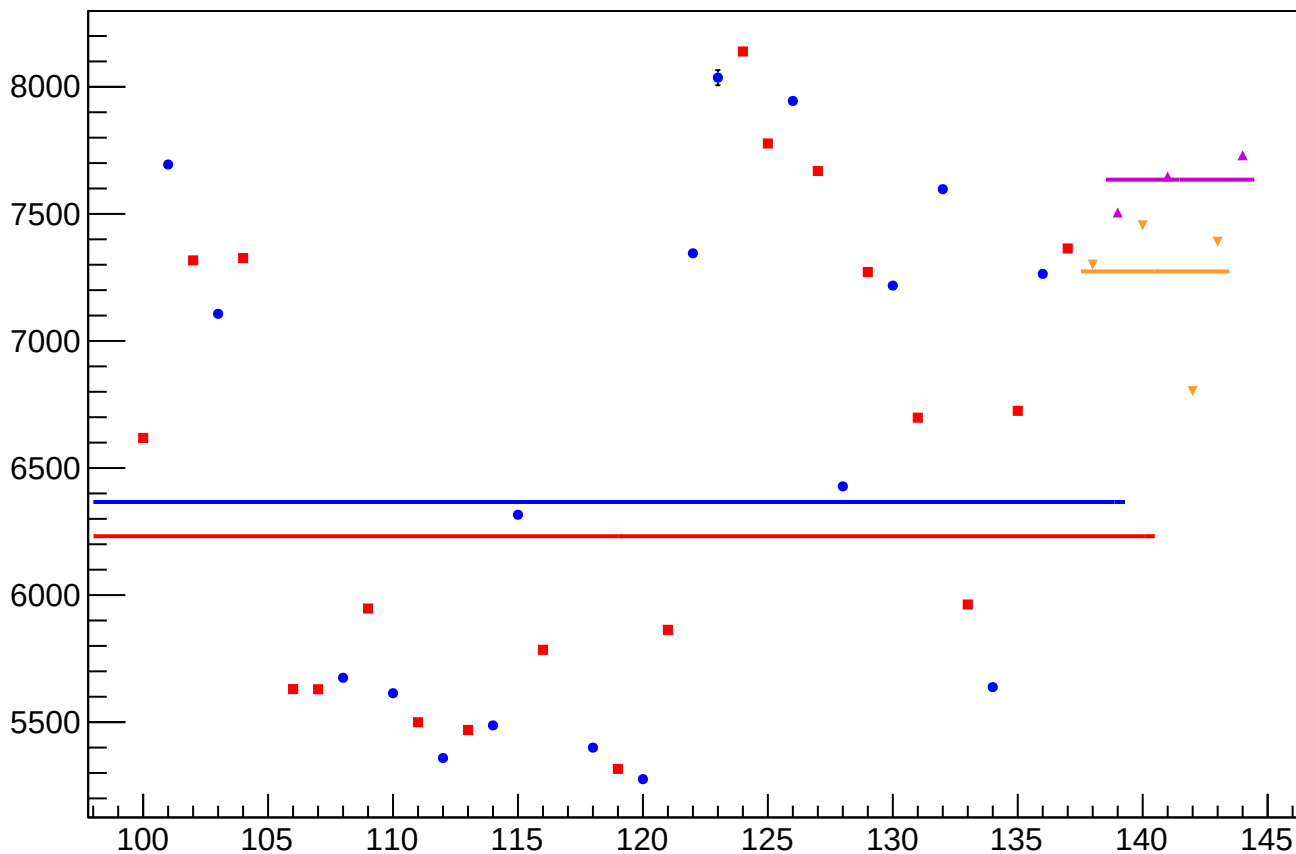
Right: 9.813 $\pm$ 1.713 χ^2 /NDF: 77.2/35

In: 8.274 $\pm$ 2.226 χ^2 /NDF:77.7/19

Out: 3.830 $\pm$ 2.091 χ^2 /NDF:33.6/22

All: 5.913 $\pm$ 1.524 χ^2 /NDF: 113.4/42

diff_bpm0l06X_rms vs Slug, Sign Corrected



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

Left Out: 7273.816+/-3.187 χ^2/NDF : 5373.4/3

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

Left In: 7634.698+/-3.515 χ^2/NDF : 663.7/2

Left: 7436.648+/-2.361 χ^2/NDF : 11821.4/6

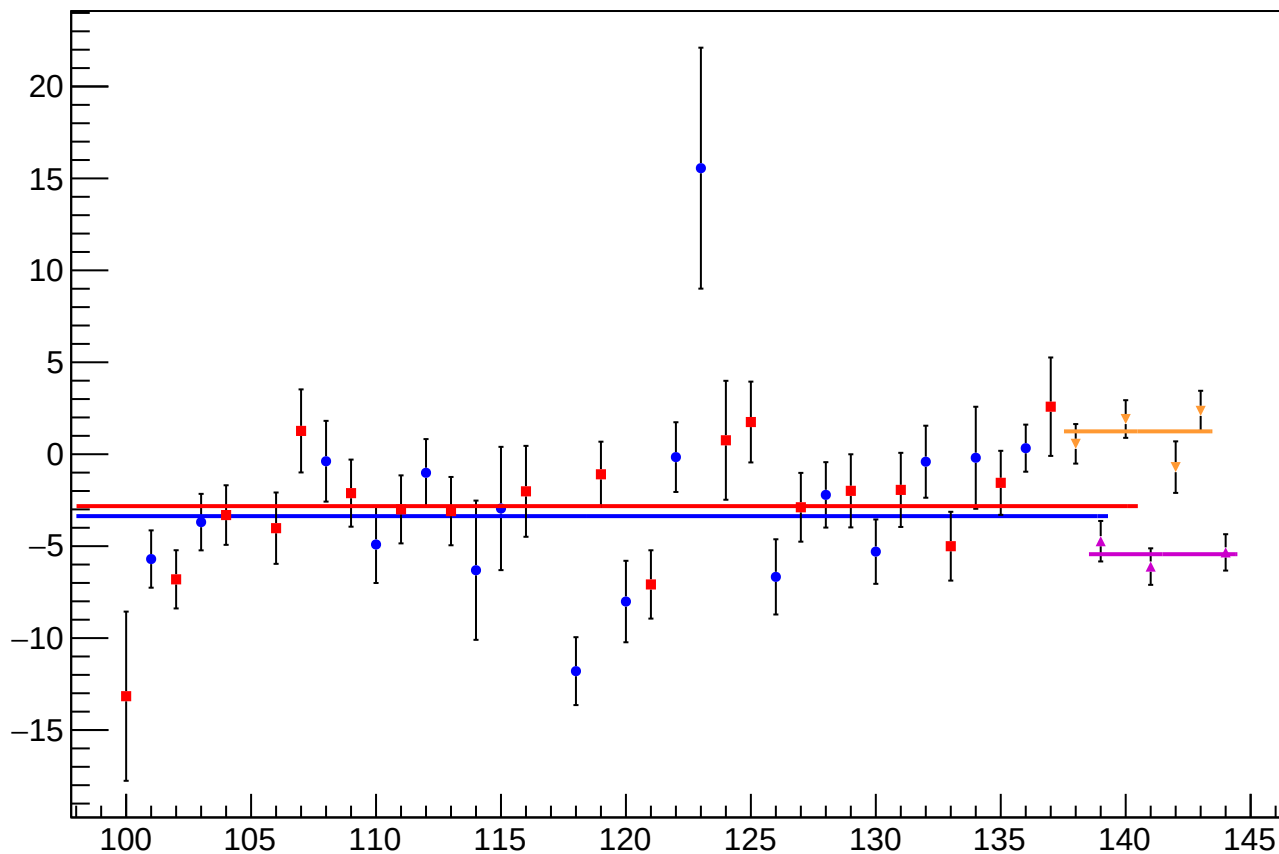
Right: 6295.395+/-1.211 χ^2/NDF : 529958.8/35

In: 6620.675+/-1.574 χ^2/NDF : 390318.9/19

Out: 6455.843+/-1.478 χ^2/NDF : 330592.1/22

All: 6533.093+/-1.078 χ^2/NDF : 726737.4/42

diff_bpm0l06Y_mean vs Slug, Sign Corrected



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

Left Out: 1.243 ± 0.562 χ^2/NDF : 3.8/3

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

Left In: -5.437 ± 0.591 χ^2/NDF : 0.9/2

Left: -1.928 ± 0.407 χ^2/NDF : 71.8/6

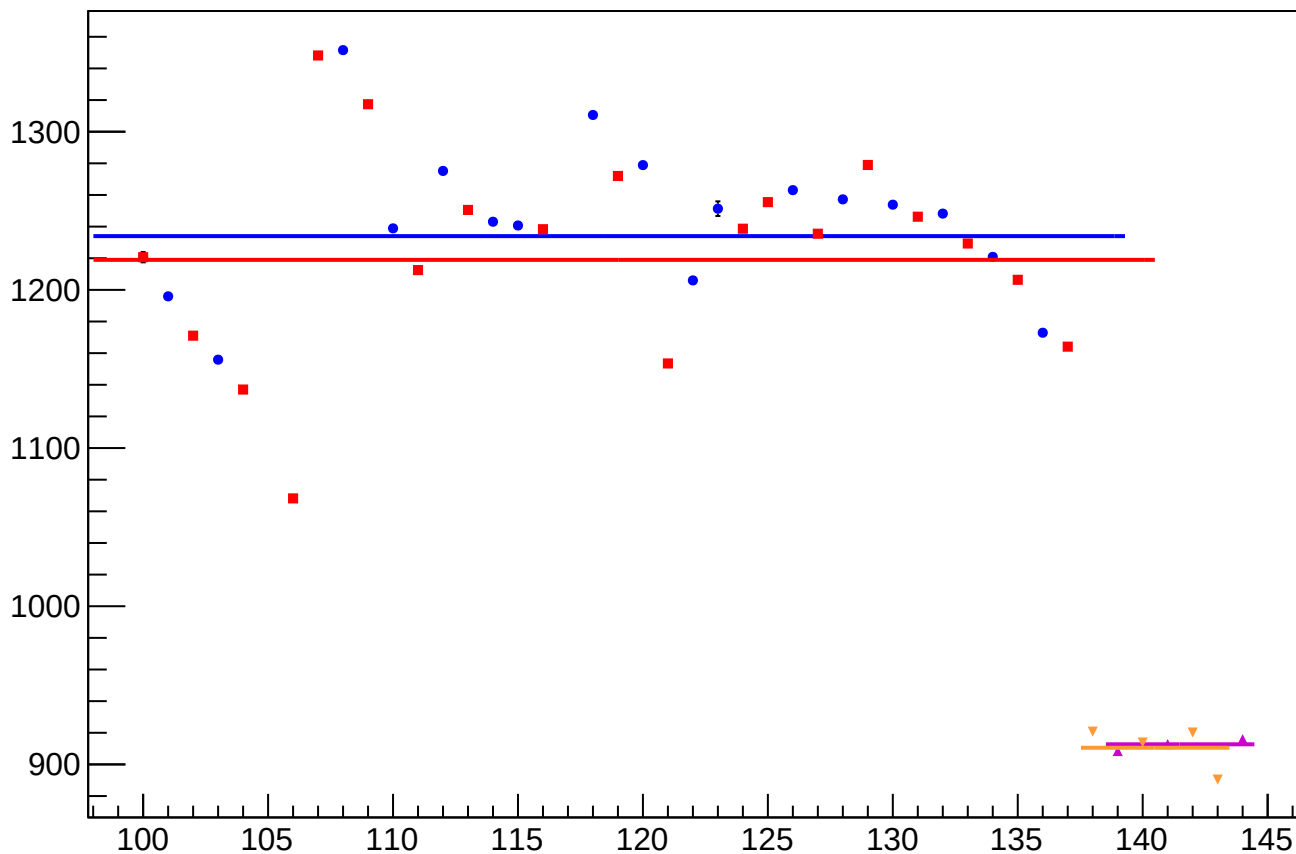
Right: -3.084 ± 0.330 χ^2/NDF : 93.8/35

In: -4.182 ± 0.371 χ^2/NDF : 67.9/19

Out: -1.204 ± 0.355 χ^2/NDF : 68.8/22

All: -2.626 ± 0.256 χ^2/NDF : 170.4/42

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1233.978 $\pm$ 0.337 χ^2 /NDF: 23557.3/16

Left Out: 910.533 $\pm$ 0.397 χ^2 /NDF:974.9/3

Right Out: 1218.985 $\pm$ 0.323 χ^2 /NDF: 40373.1/18

Left In: 912.712 $\pm$ 0.418 χ^2 /NDF:51.8/2

Left: 911.567 $\pm$ 0.288 χ^2 /NDF: 1041.0/6

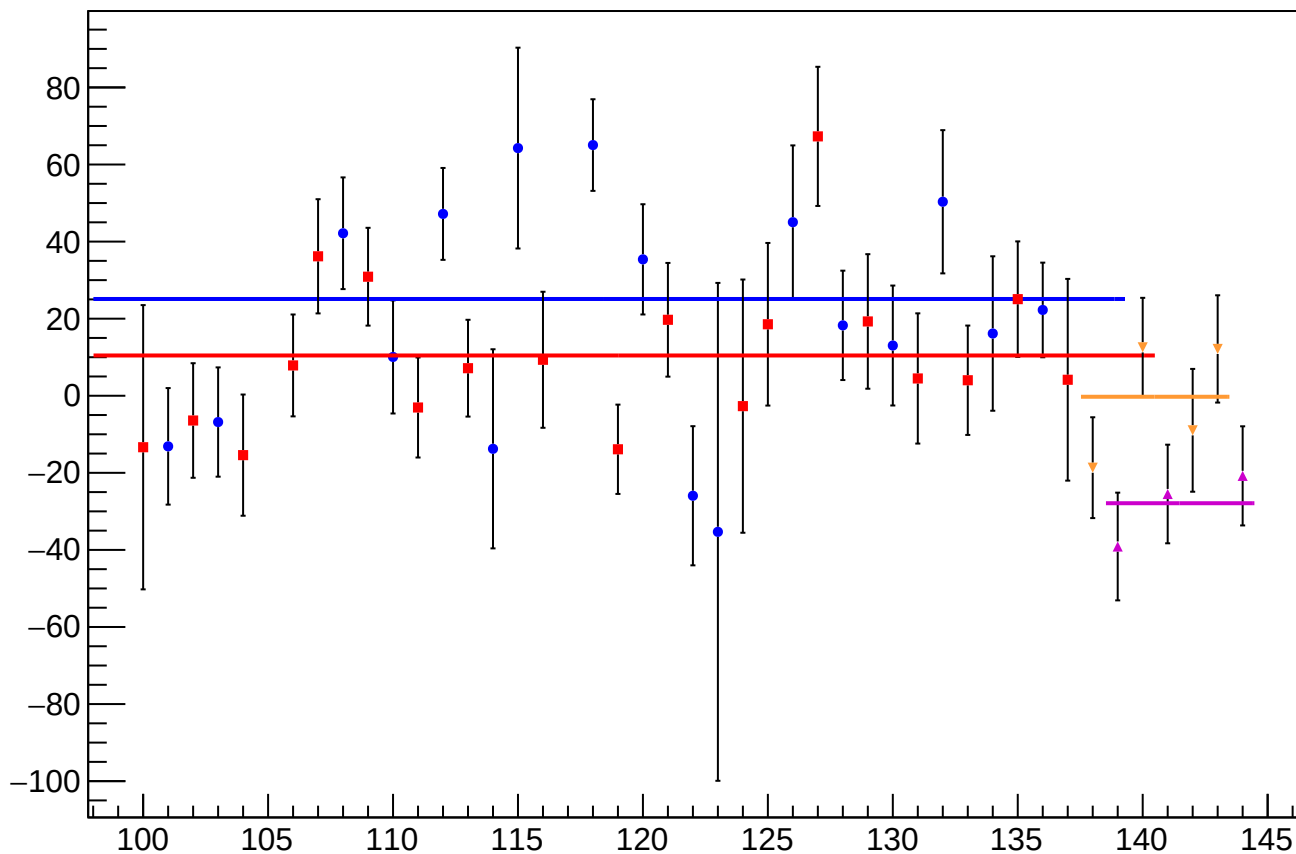
Right: 1226.173 $\pm$ 0.233 χ^2 /NDF: 64961.9/35

In: 1107.513 $\pm$ 0.262 χ^2 /NDF:381734.5/19

Out: 1096.149 $\pm$ 0.251 χ^2 /NDF:403966.8/22

All: 1101.576 $\pm$ 0.181 χ^2 /NDF: 786682.1/42

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 25.108+/-3.844 χ^2/NDF : 46.5/16

Left Out: -0.262+/-6.900 χ^2/NDF : 4.1/3

Right Out: 10.450+/-3.598 χ^2/NDF : 27.8/18

Left In: -27.885+/-7.609 χ^2/NDF : 1.0/2

Left: -12.727+/-5.111 χ^2/NDF : 12.3/6

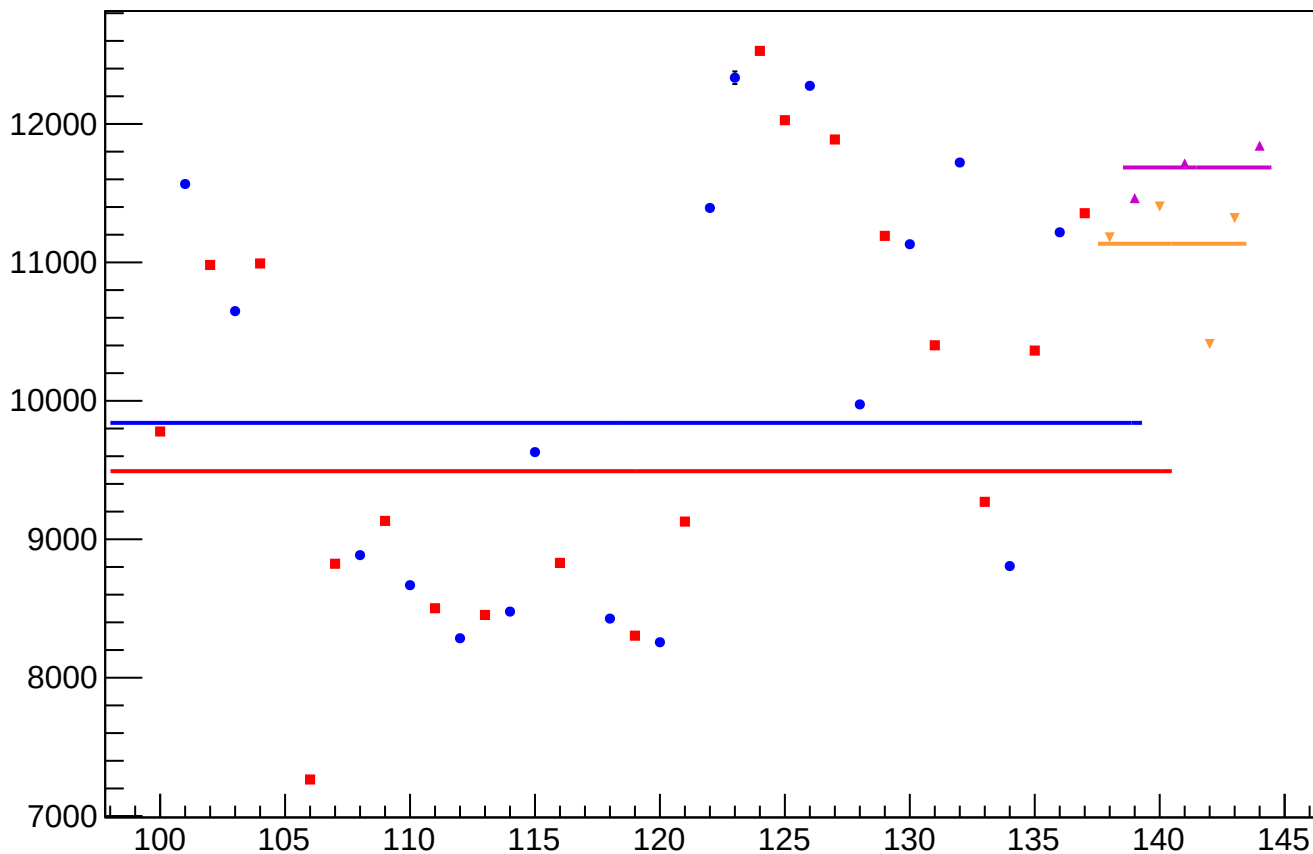
Right: 17.296+/-2.627 χ^2/NDF : 82.1/35

In: 14.332+/-3.431 χ^2/NDF : 86.1/19

Out: 8.160+/-3.190 χ^2/NDF : 33.8/22

All: 11.022+/-2.336 χ^2/NDF : 121.6/42

diff_bpm0l07X_rms vs Slug, Sign Corrected



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

Left Out: 11134.885 $\pm$ 4.879 χ^2/NDF : 5389.4/3

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

Left In: 11685.682 $\pm$ 5.380 χ^2/NDF : 812.4/2

Left: 11383.432 $\pm$ 3.614 χ^2/NDF : 11953.2/6

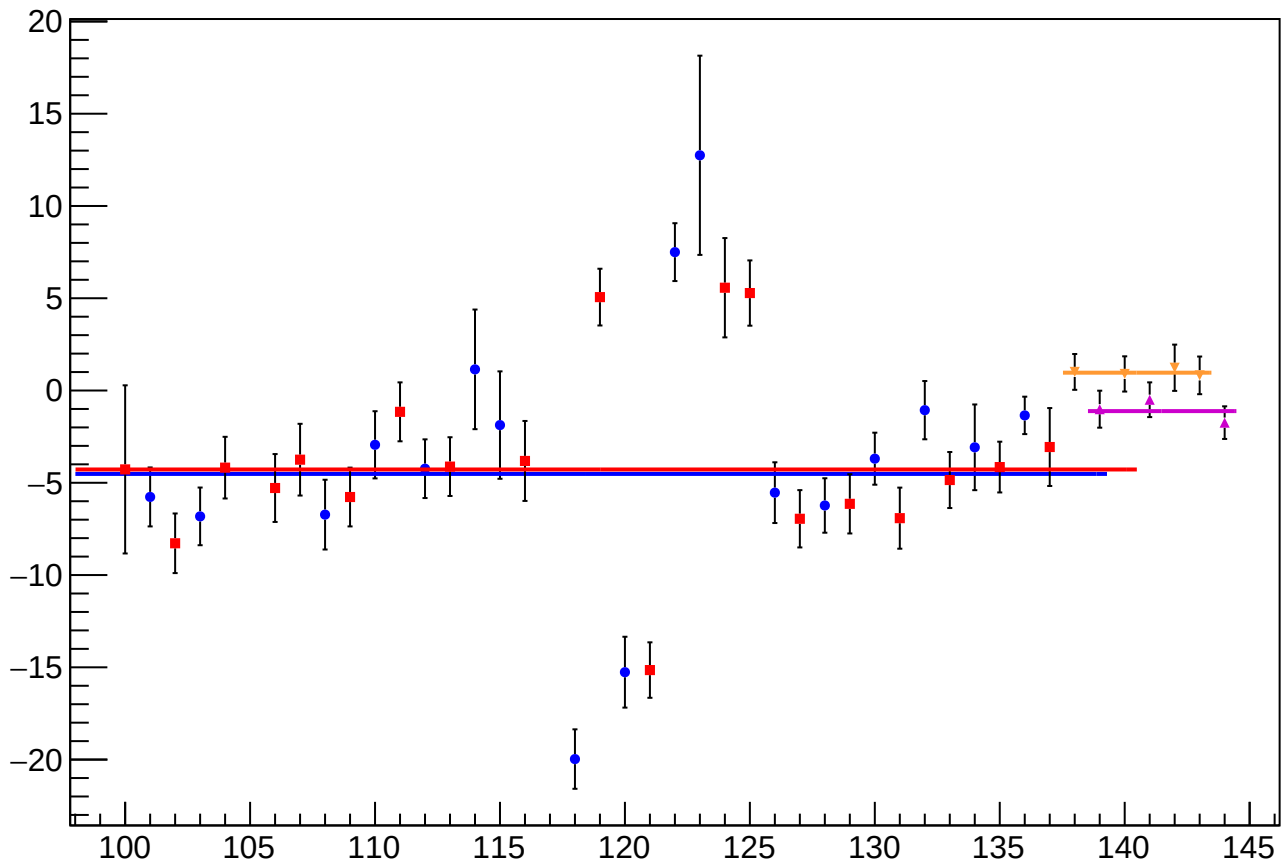
Right: 9654.969 $\pm$ 1.858 χ^2/NDF : 542472.7/35

In: 10216.080 $\pm$ 2.426 χ^2/NDF : 353576.7/19

Out: 9843.284 $\pm$ 2.256 χ^2/NDF : 369117.7/22

All: 10016.158 $\pm$ 1.652 χ^2/NDF : 735356.8/42

diff_bpm0l07Y_mean vs Slug, Sign Corrected



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

Left Out: 0.966 ± 0.516 χ^2/NDF : 0.1/3

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

Left In: -1.116 ± 0.542 χ^2/NDF : 0.9/2

Left: -0.024 ± 0.374 χ^2/NDF : 8.8/6

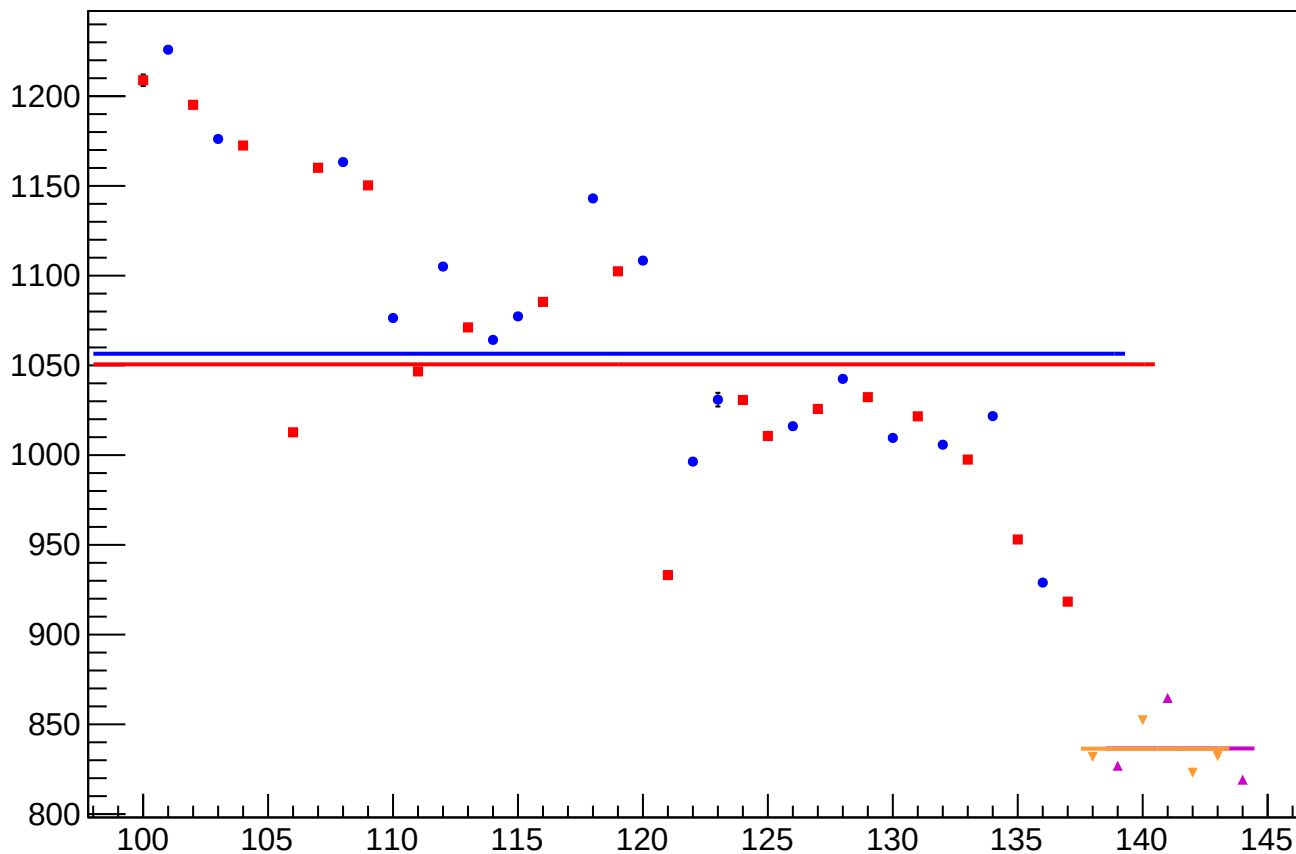
Right: -4.395 ± 0.284 χ^2/NDF : 368.8/35

In: -3.285 ± 0.326 χ^2/NDF : 244.2/19

Out: -2.344 ± 0.313 χ^2/NDF : 215.7/22

All: -2.795 ± 0.226 χ^2/NDF : 464.3/42

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1056.494+/-0.289 χ^2/NDF : 90759.5/16

Left Out: 836.426+/-0.365 χ^2/NDF : 856.5/3

Right Out: 1050.578+/-0.279 χ^2/NDF : 82328.7/18

Left In: 836.561+/-0.383 χ^2/NDF : 2748.2/2

Left: 836.490+/-0.264 χ^2/NDF : 3604.8/6

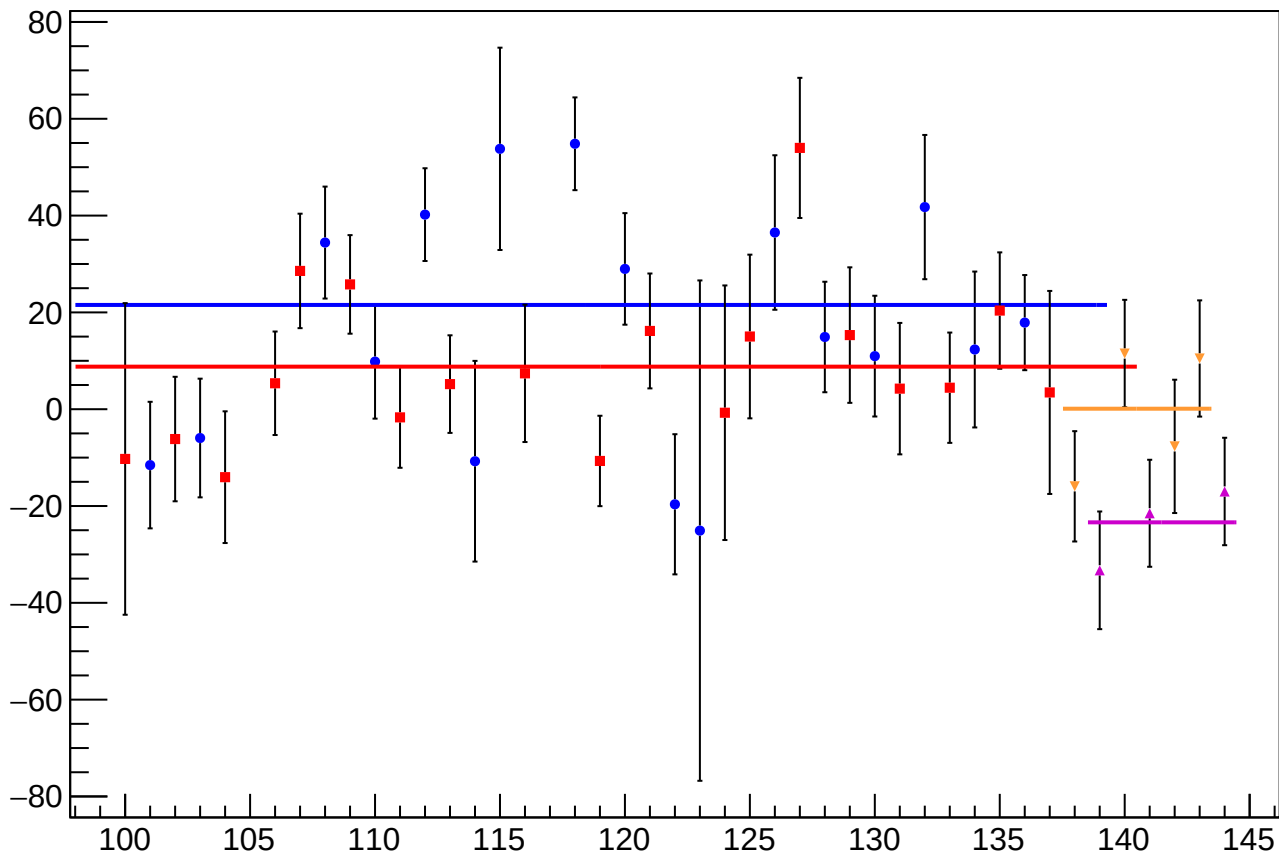
Right: 1053.431+/-0.201 χ^2/NDF : 173304.9/35

In: 976.721+/-0.231 χ^2/NDF : 303364.3/19

Out: 971.553+/-0.222 χ^2/NDF : 300549.4/22

All: 974.032+/-0.160 χ^2/NDF : 604174.6/42

diff_bpm0l08X_mean vs Slug, Sign Corrected



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

Left Out: 0.104+/-5.973 χ^2/NDF : 4.1/3

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

Left In: -23.372+/-6.583 χ^2/NDF : 1.0/2

Left: -10.495+/-4.423 χ^2/NDF : 12.1/6

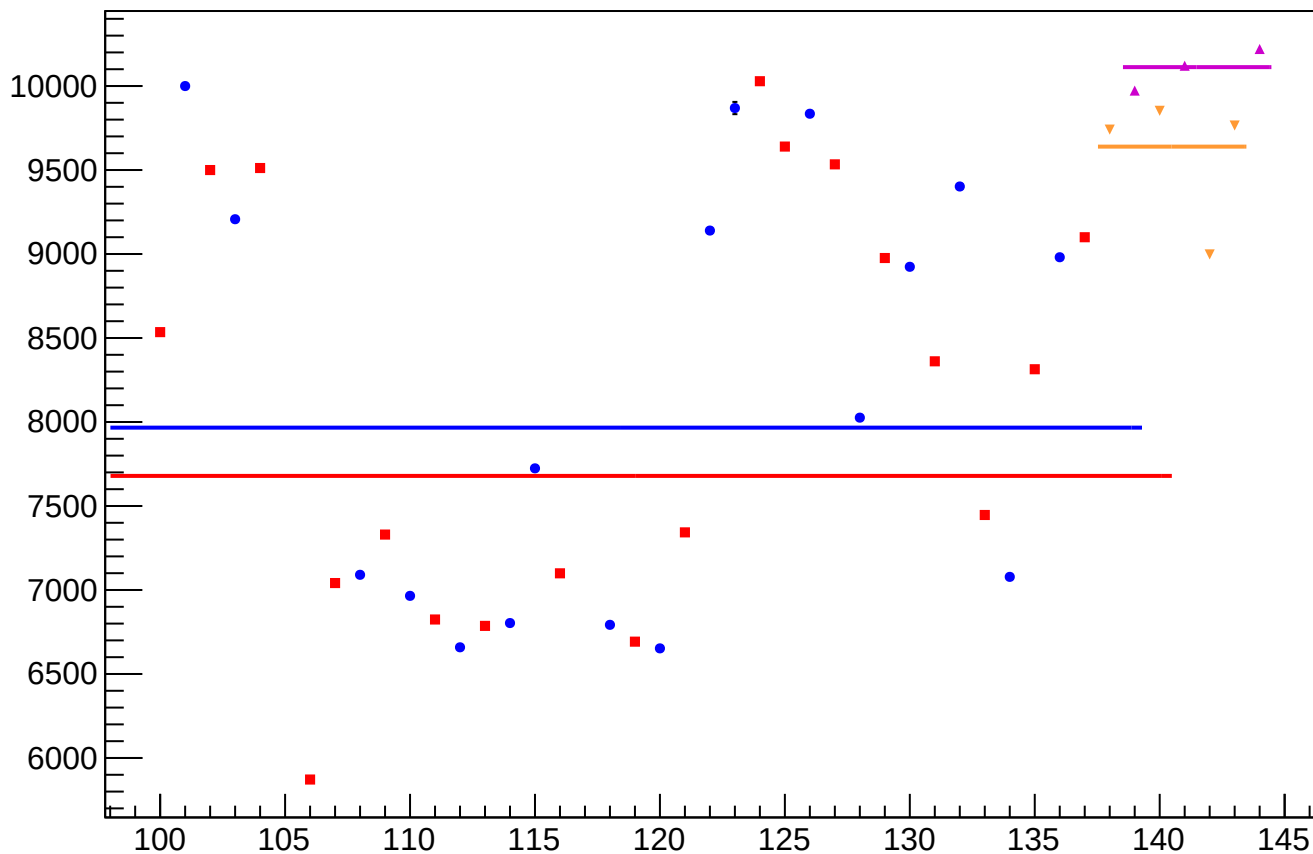
Right: 14.742+/-2.129 χ^2/NDF : 84.4/35

In: 13.322+/-2.816 χ^2/NDF : 86.9/19

Out: 7.121+/-2.620 χ^2/NDF : 33.4/22

All: 9.997+/-1.918 χ^2/NDF : 122.9/42

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7966.450 $\pm$ 2.203 χ^2/NDF : 295660.2/16

Left Out: 9639.236 $\pm$ 4.223 χ^2/NDF :5457.3/3

Right Out: 7679.131 $\pm$ 2.061 χ^2/NDF : 313051.7/18

Left In: 10112.455 $\pm$ 4.655 χ^2/NDF :454.3/2

Left: 9852.886 $\pm$ 3.128 χ^2/NDF : 11580.0/6

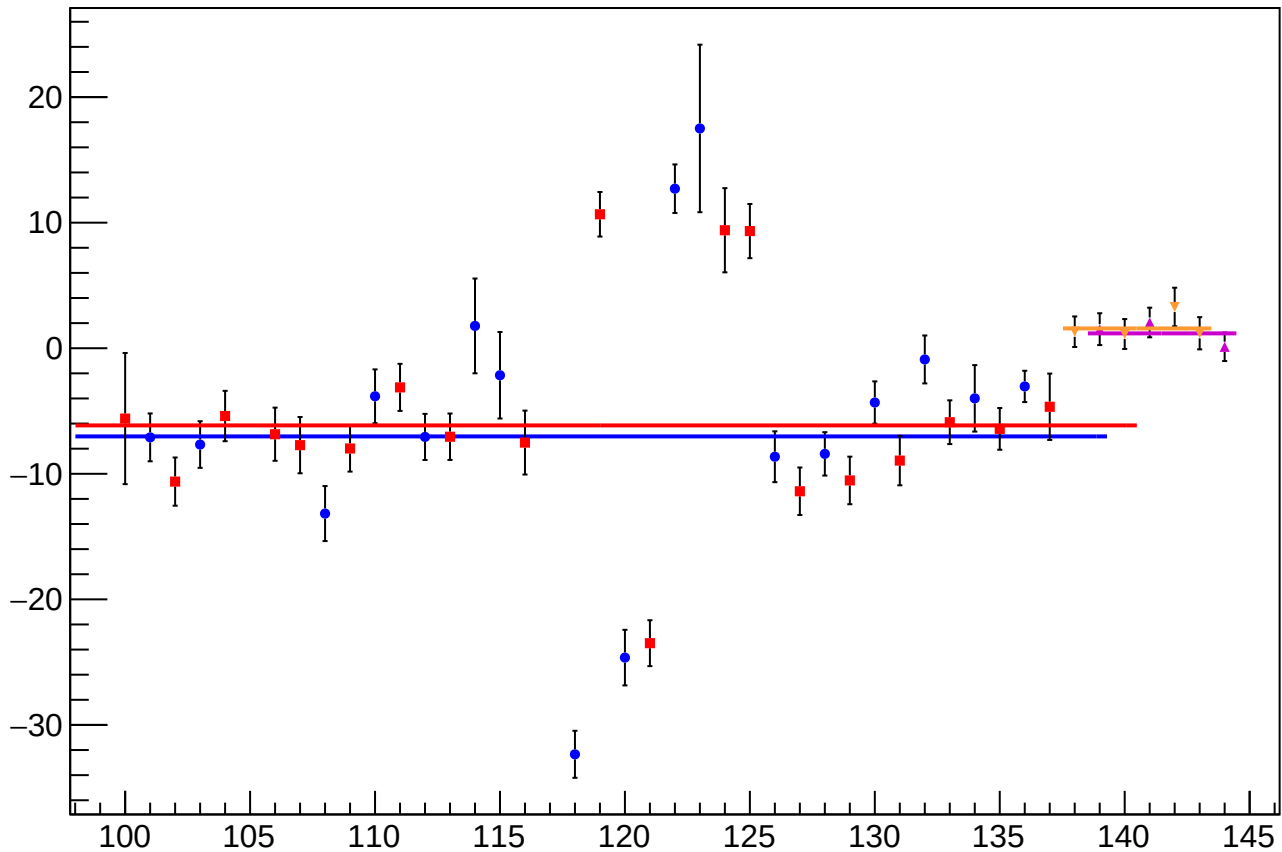
Right: 7813.225 $\pm$ 1.505 χ^2/NDF : 617781.0/35

In: 8359.203 $\pm$ 1.991 χ^2/NDF :469742.4/19

Out: 8056.183 $\pm$ 1.852 χ^2/NDF :492477.0/22

All: 8196.737 $\pm$ 1.356 χ^2/NDF : 974632.7/42

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.022 ± 0.487 $\chi^2/\text{NDF}: 407.3/16$

Left Out: 1.578 ± 0.644 $\chi^2/\text{NDF}: 1.5/3$

Right Out: -6.146 ± 0.467 $\chi^2/\text{NDF}: 278.4/18$

Left In: 1.183 ± 0.687 $\chi^2/\text{NDF}: 1.5/2$

Left: 1.393 ± 0.470 $\chi^2/\text{NDF}: 3.2/6$

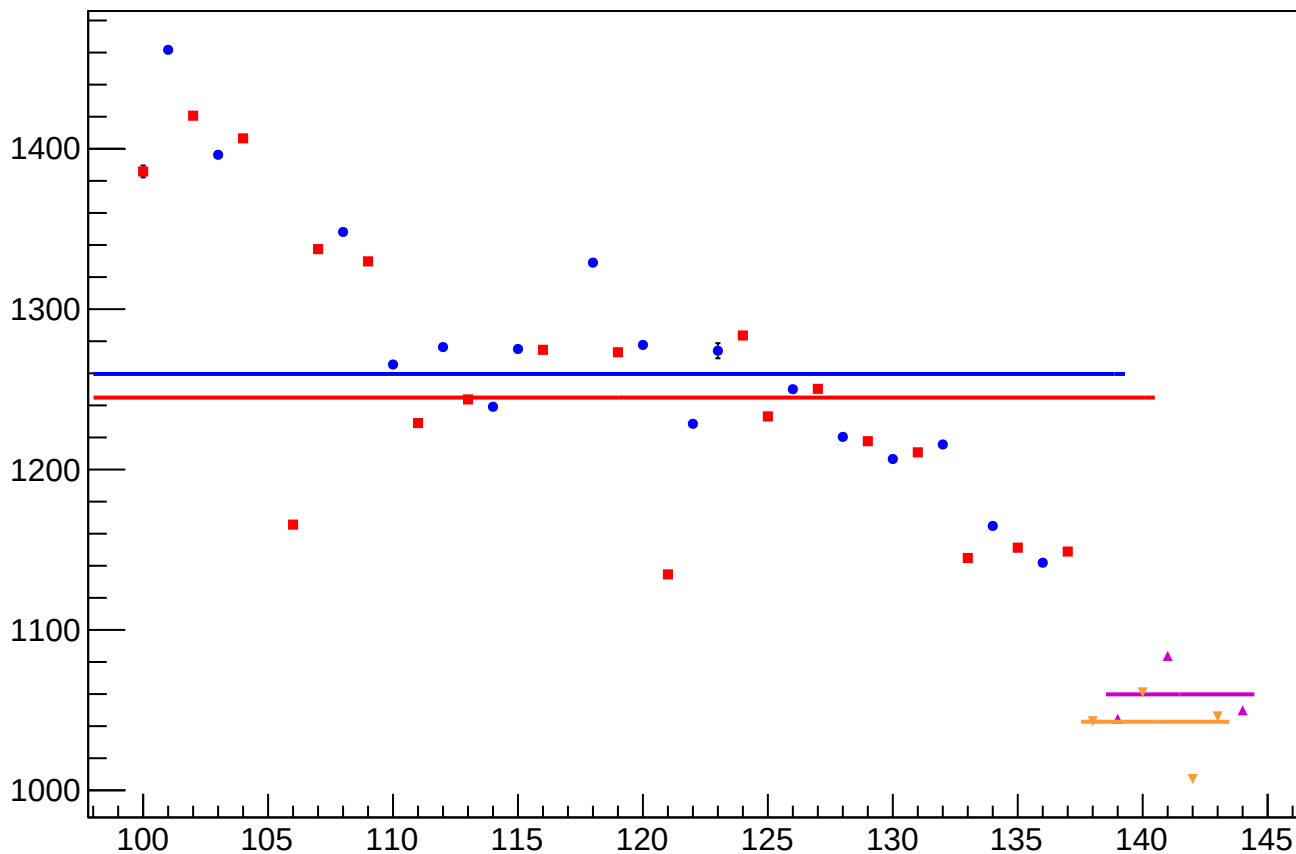
Right: -6.566 ± 0.337 $\chi^2/\text{NDF}: 687.3/35$

In: -4.278 ± 0.397 $\chi^2/\text{NDF}: 503.7/19$

Out: -3.479 ± 0.378 $\chi^2/\text{NDF}: 374.2/22$

All: -3.859 ± 0.274 $\chi^2/\text{NDF}: 880.0/42$

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1259.602 ± 0.344 χ^2/NDF : 64816.8/16

Left Out: 1042.743 ± 0.455 χ^2/NDF : 1571.6/3

Right Out: 1244.874 ± 0.331 χ^2/NDF : 66819.5/18

Left In: 1059.831 ± 0.486 χ^2/NDF : 1267.2/2

Left: 1050.731 ± 0.332 χ^2/NDF : 3497.7/6

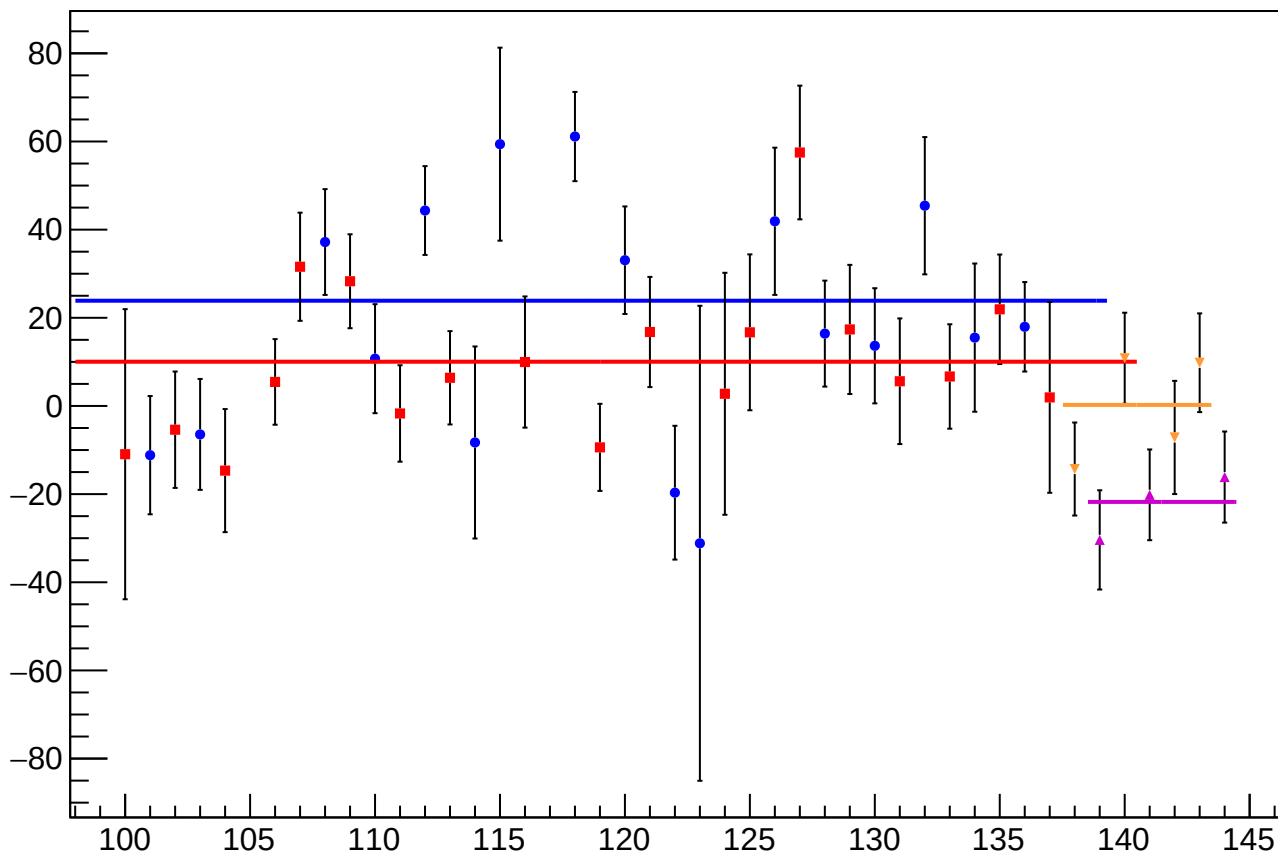
Right: 1251.936 ± 0.238 χ^2/NDF : 132588.1/35

In: 1192.780 ± 0.281 χ^2/NDF : 178624.5/19

Out: 1175.077 ± 0.267 χ^2/NDF : 197527.4/22

All: 1183.492 ± 0.194 χ^2/NDF : 378234.7/42

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.876 $\pm$ 3.256 χ^2 /NDF: 52.0/16

Left Out: 0.233 $\pm$ 5.556 χ^2 /NDF: 4.0/3

Right Out: 10.036 $\pm$ 3.009 χ^2 /NDF: 28.1/18

Left In: -21.770 $\pm$ 6.121 χ^2 /NDF: 0.9/2

Left: -9.707 $\pm$ 4.114 χ^2 /NDF: 12.0/6

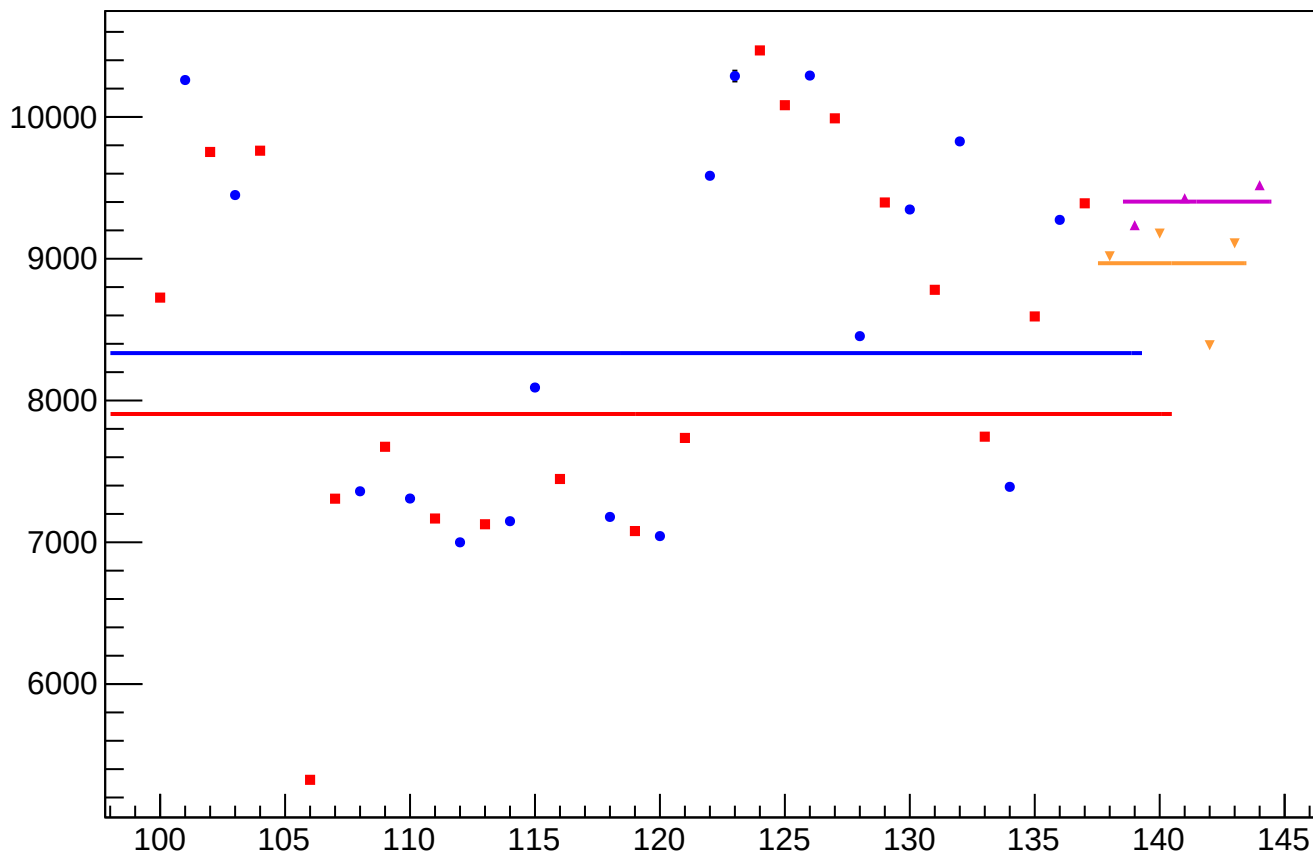
Right: 16.410 $\pm$ 2.210 χ^2 /NDF: 89.8/35

In: 13.808 $\pm$ 2.875 χ^2 /NDF: 96.2/19

Out: 7.813 $\pm$ 2.646 χ^2 /NDF: 34.5/22

All: 10.562 $\pm$ 1.947 χ^2 /NDF: 133.1/42

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 8334.433+/-2.303 χ^2/NDF : 271366.4/16

Left Out: 8968.391+/-3.929 χ^2/NDF : 5234.9/3

Right Out: 7904.987+/-2.127 χ^2/NDF : 388597.2/18

Left In: 9402.856+/-4.328 χ^2/NDF : 697.1/2

Left: 9164.660+/-2.909 χ^2/NDF : 11455.9/6

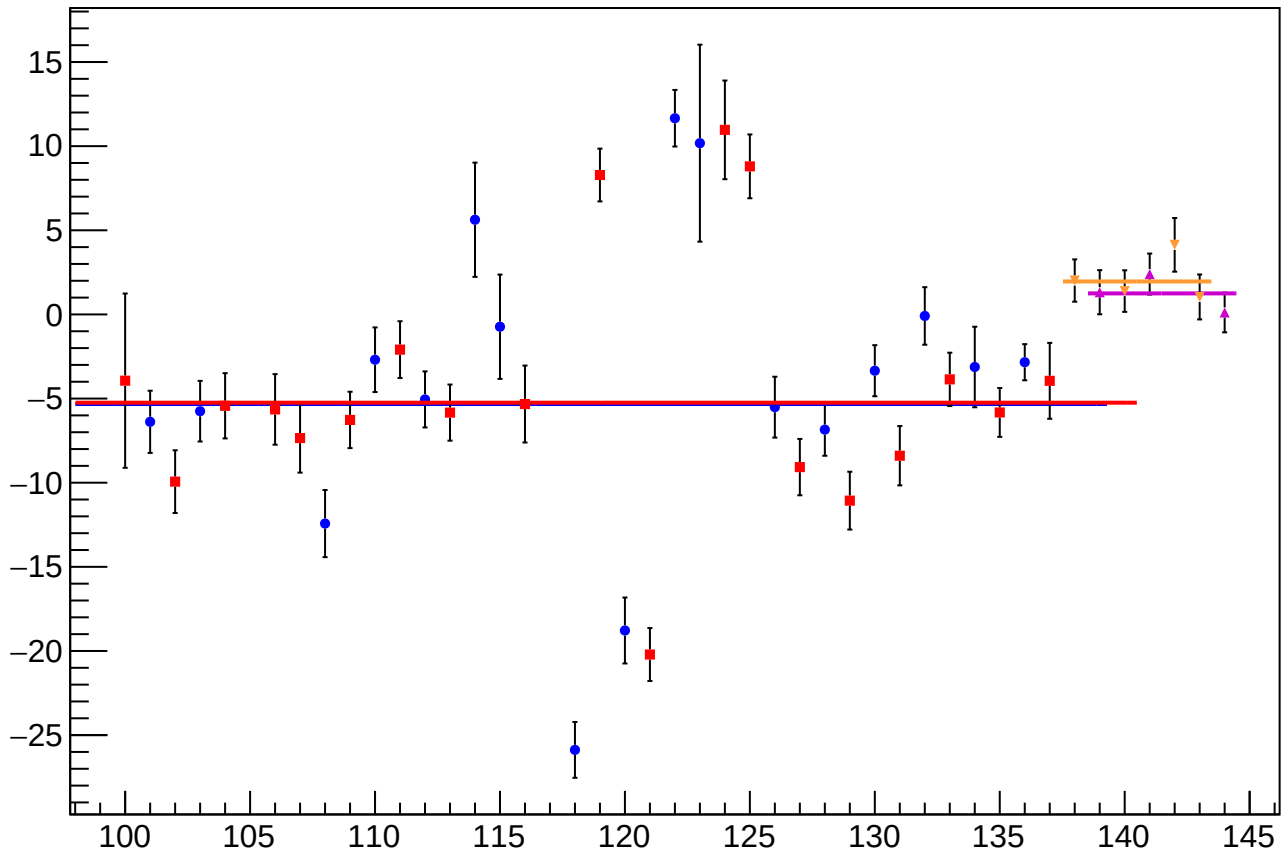
Right: 8102.760+/-1.563 χ^2/NDF : 678729.4/35

In: 8570.096+/-2.033 χ^2/NDF : 319555.2/19

Out: 8146.080+/-1.871 χ^2/NDF : 450478.7/22

All: 8340.519+/-1.377 χ^2/NDF : 793590.8/42

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.325 ± 0.438 χ^2/NDF : 355.9/16

Left Out: 1.959 ± 0.668 χ^2/NDF : 2.6/3

Right Out: -5.245 ± 0.422 χ^2/NDF : 283.1/18

Left In: 1.250 ± 0.712 χ^2/NDF : 1.8/2

Left: 1.627 ± 0.487 χ^2/NDF : 4.9/6

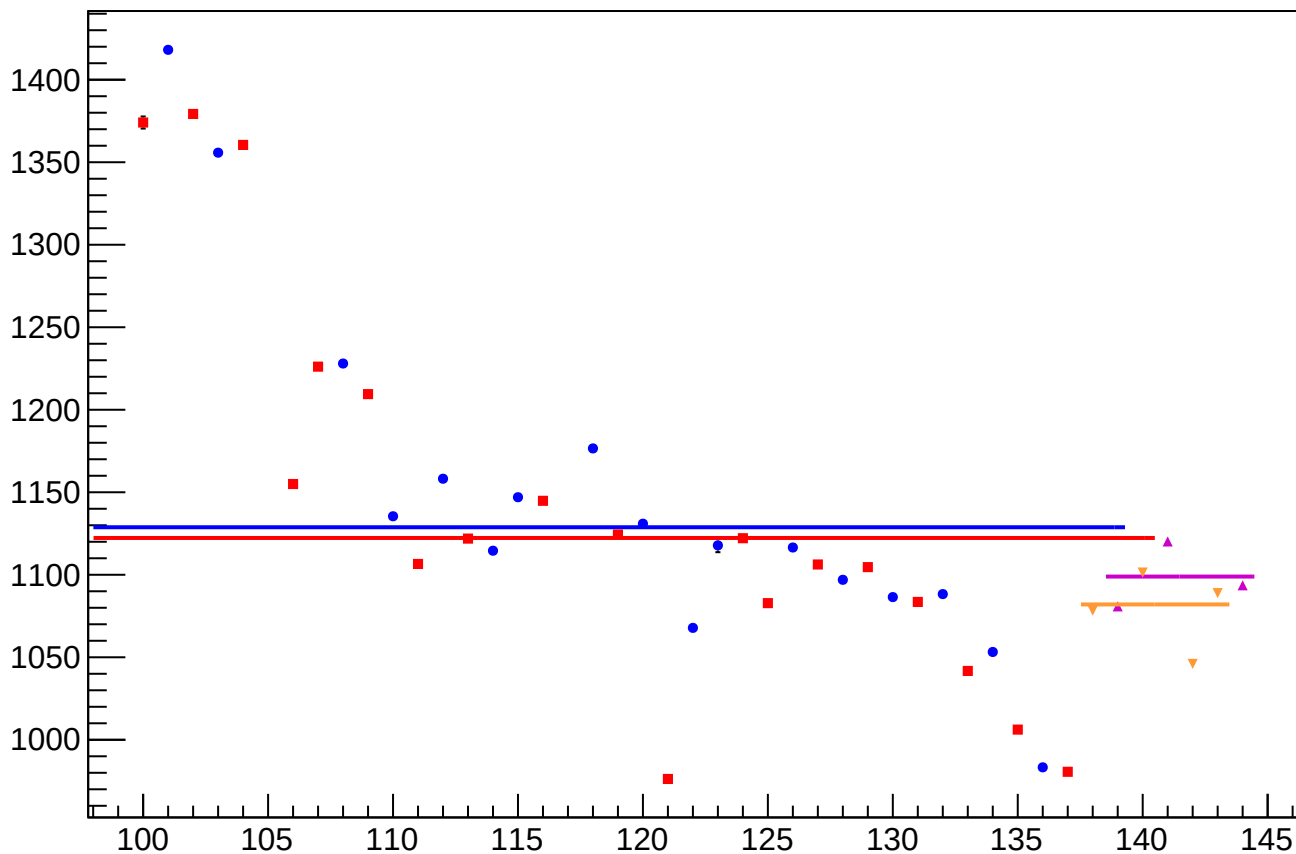
Right: -5.283 ± 0.304 χ^2/NDF : 639.0/35

In: -3.523 ± 0.373 χ^2/NDF : 419.5/19

Out: -3.187 ± 0.357 χ^2/NDF : 368.8/22

All: -3.347 ± 0.258 χ^2/NDF : 788.7/42

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1128.798 ± 0.309 $\chi^2/\text{NDF}: 133077.7/16$

Left Out: 1082.017 ± 0.472 $\chi^2/\text{NDF}: 1582.3/3$

Right Out: 1122.305 ± 0.299 $\chi^2/\text{NDF}: 129605.6/18$

Left In: 1098.916 ± 0.504 $\chi^2/\text{NDF}: 1028.7/2$

Left: 1089.923 ± 0.344 $\chi^2/\text{NDF}: 3210.1/6$

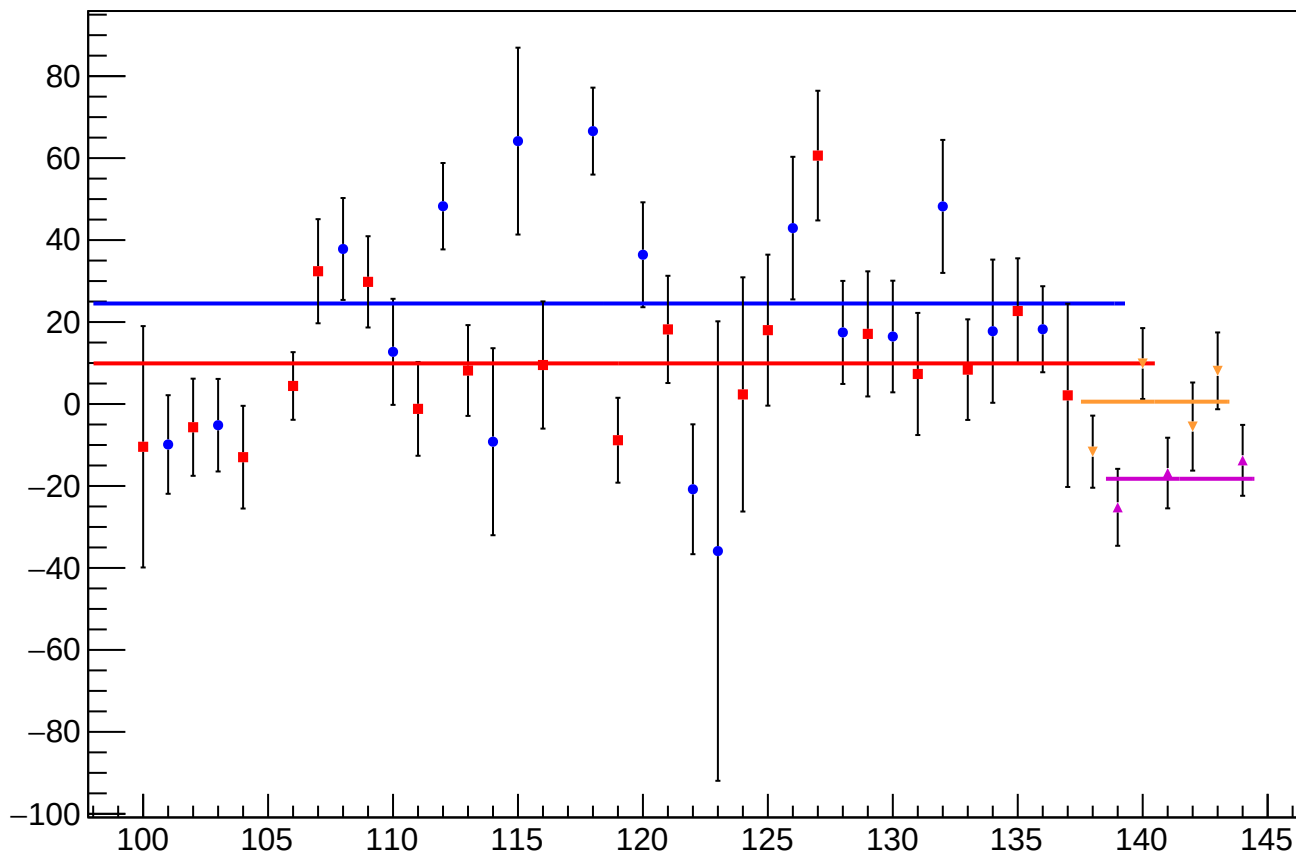
Right: 1125.436 ± 0.215 $\chi^2/\text{NDF}: 262911.2/35$

In: 1120.609 ± 0.264 $\chi^2/\text{NDF}: 136661.8/19$

Out: 1110.794 ± 0.252 $\chi^2/\text{NDF}: 136386.8/22$

All: 1115.487 ± 0.182 $\chi^2/\text{NDF}: 273771.6/42$

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 24.527 ± 3.324 $\chi^2/\text{NDF}: 57.7/16$

Left Out: 0.571 ± 4.645 $\chi^2/\text{NDF}: 4.0/3$

Right Out: 9.911 ± 3.010 $\chi^2/\text{NDF}: 28.9/18$

Left In: -18.244 ± 5.118 $\chi^2/\text{NDF}: 0.8/2$

Left: -7.928 ± 3.440 $\chi^2/\text{NDF}: 12.3/6$

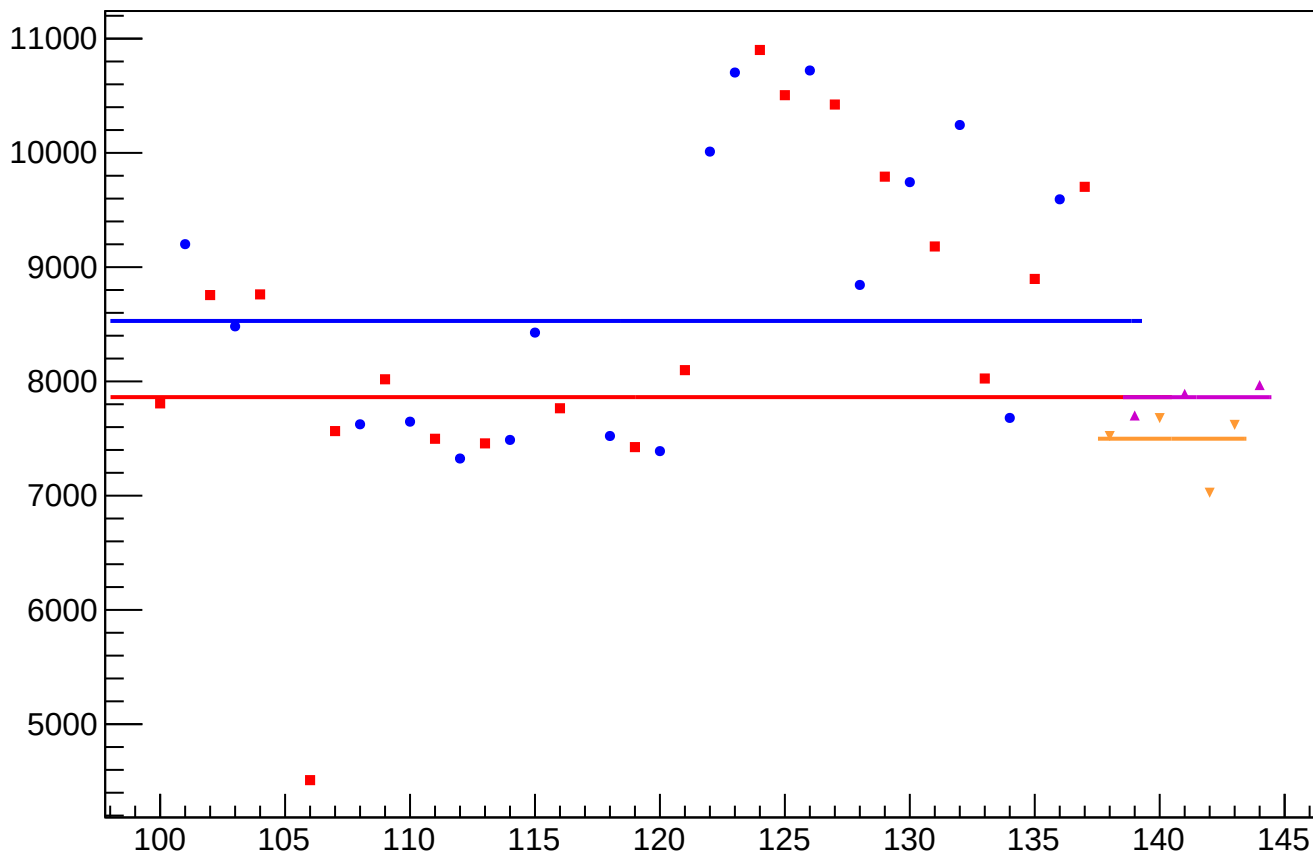
Right: 16.498 ± 2.231 $\chi^2/\text{NDF}: 97.2/35$

In: 11.838 ± 2.788 $\chi^2/\text{NDF}: 107.7/19$

Out: 7.149 ± 2.526 $\chi^2/\text{NDF}: 35.8/22$

All: 9.263 ± 1.872 $\chi^2/\text{NDF}: 145.0/42$

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8529.154 $\pm$ 2.350 χ^2/NDF : 207392.9/16

Left Out: 7498.479 $\pm$ 3.285 χ^2/NDF :5084.8/3

Right Out: 7862.444 $\pm$ 2.129 χ^2/NDF : 552825.5/18

Left In: 7861.880 $\pm$ 3.619 χ^2/NDF :906.1/2

Left: 7662.634 $\pm$ 2.432 χ^2/NDF : 11519.8/6

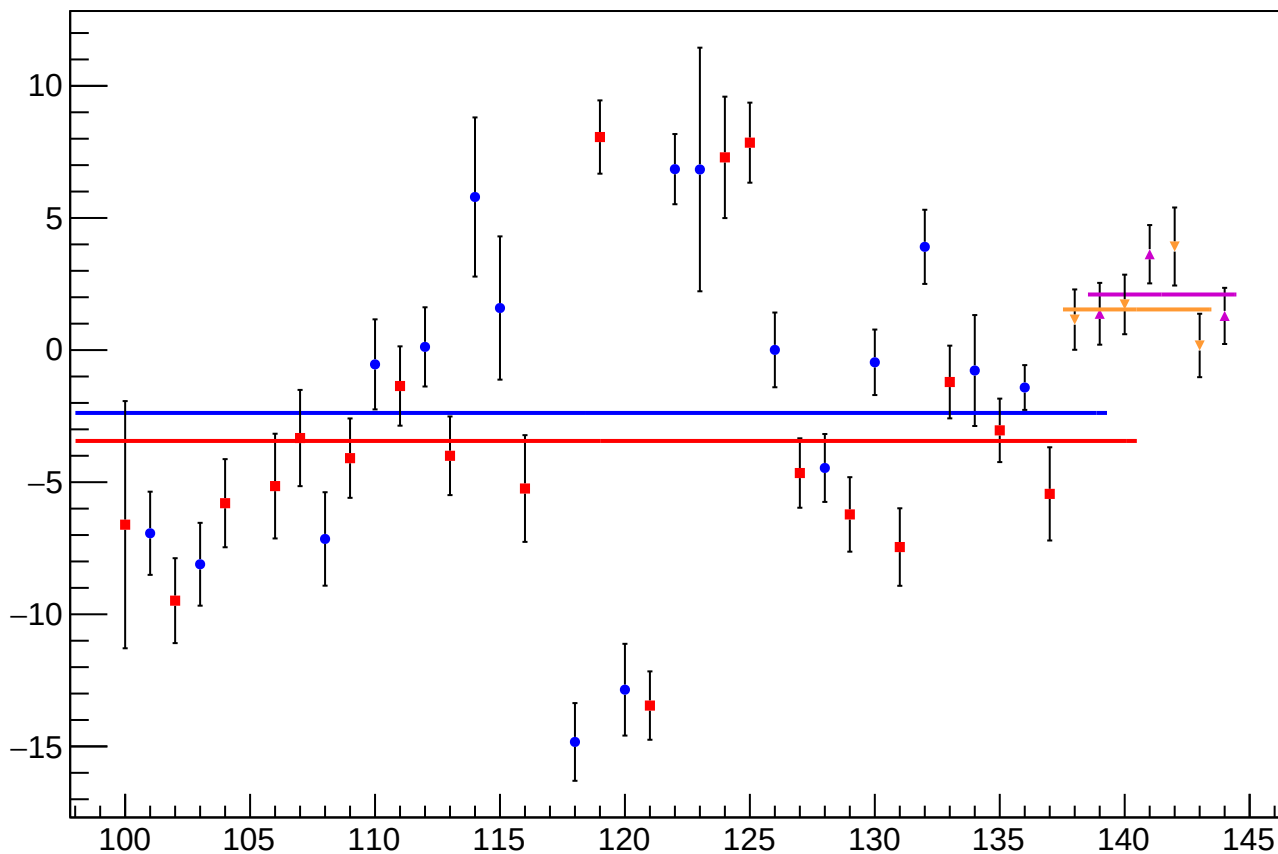
Right: 8162.886 $\pm$ 1.578 χ^2/NDF : 804422.1/35

In: 8331.185 $\pm$ 1.971 χ^2/NDF :232211.5/19

Out: 7754.794 $\pm$ 1.786 χ^2/NDF :566556.7/22

All: 8014.720 $\pm$ 1.324 χ^2/NDF : 845716.1/42

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.379 ± 0.366 $\chi^2/\text{NDF}: 232.6/16$

Left Out: 1.538 ± 0.608 $\chi^2/\text{NDF}: 4.0/3$

Right Out: -3.439 ± 0.359 $\chi^2/\text{NDF}: 242.7/18$

Left In: 2.104 ± 0.641 $\chi^2/\text{NDF}: 2.9/2$

Left: 1.806 ± 0.441 $\chi^2/\text{NDF}: 7.3/6$

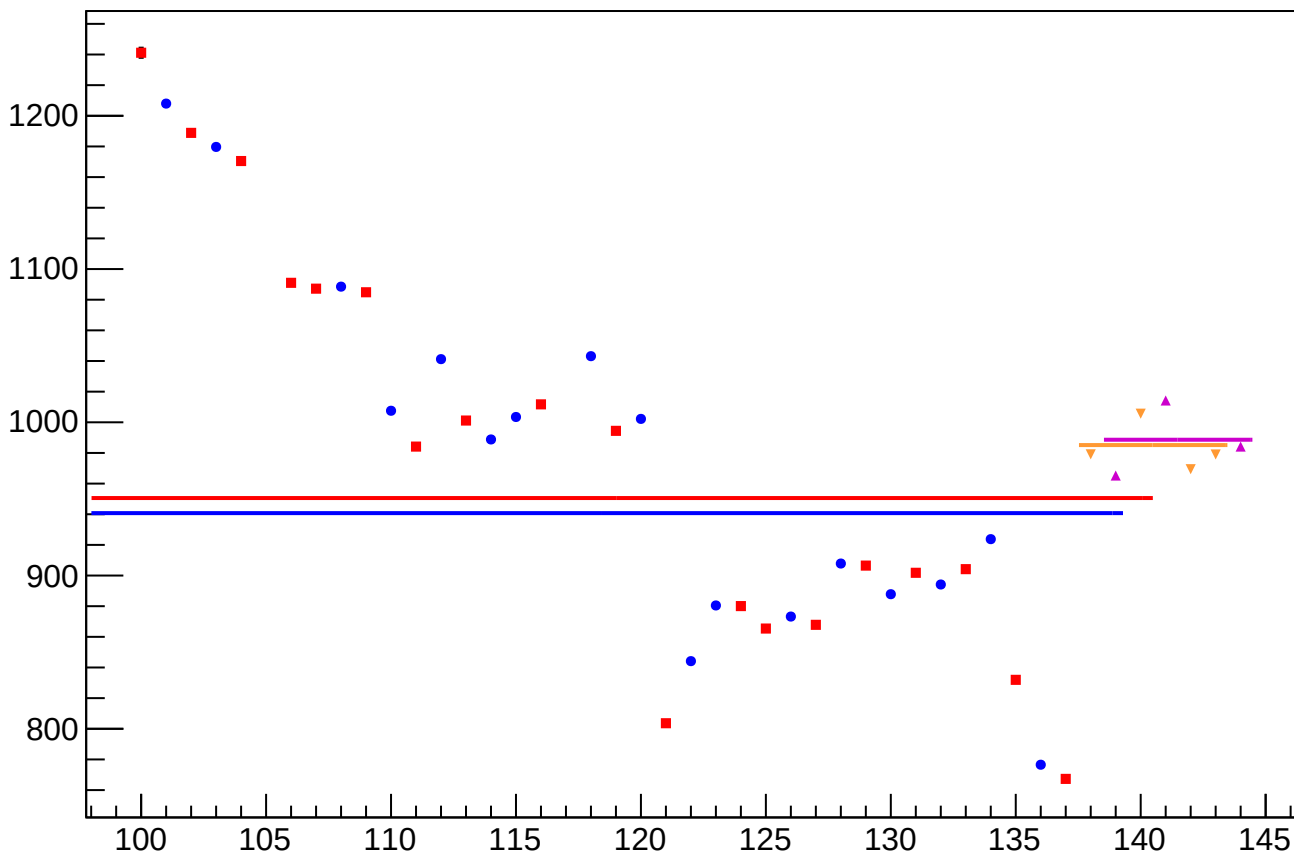
Right: -2.920 ± 0.256 $\chi^2/\text{NDF}: 479.5/35$

In: -1.275 ± 0.318 $\chi^2/\text{NDF}: 272.4/19$

Out: -2.153 ± 0.309 $\chi^2/\text{NDF}: 296.4/22$

All: -1.726 ± 0.222 $\chi^2/\text{NDF}: 572.7/42$

diff_bpm0l10Y_rms vs Slug, Sign Corrected



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

Left Out: 985.141 $\pm$ 0.430 χ^2 /NDF:995.7/3

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

Left In: 988.623 $\pm$ 0.453 χ^2 /NDF:1909.7/2

Left: 986.791 $\pm$ 0.312 χ^2 /NDF: 2936.5/6

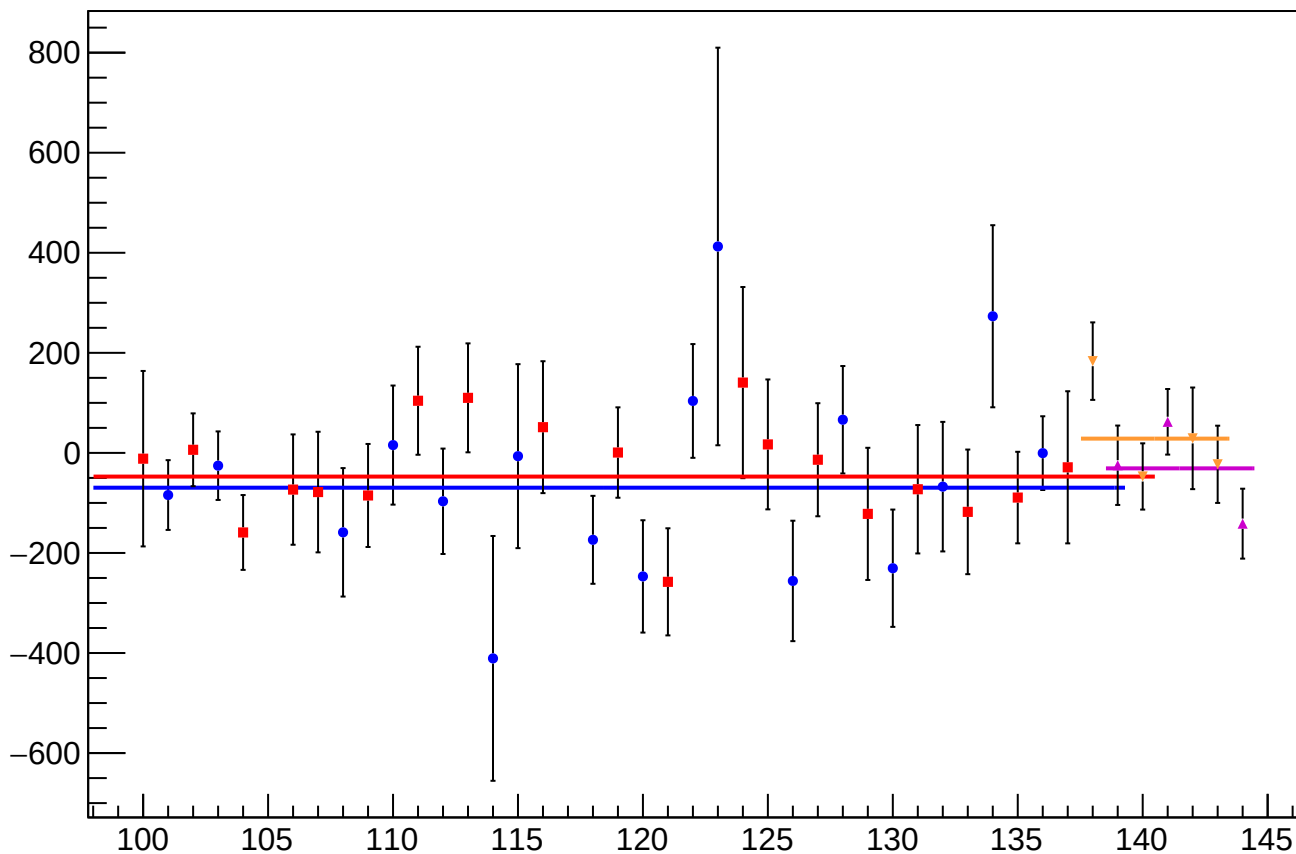
Right: 945.752 $\pm$ 0.181 χ^2 /NDF: 462784.3/35

In: 952.530 $\pm$ 0.225 χ^2 /NDF:252039.6/19

Out: 959.509 $\pm$ 0.219 χ^2 /NDF:226135.2/22

All: 956.118 $\pm$ 0.157 χ^2 /NDF: 478670.3/42

diff_bpm0r03X_mean vs Slug, Sign Corrected



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

Left Out: 28.524 ± 38.939 χ^2/NDF : 5.7/3

Right Out: -47.342 ± 25.054 χ^2/NDF : 14.0/18

Left In: -30.919 ± 40.953 χ^2/NDF : 4.5/2

Left: 0.300 ± 28.219 χ^2/NDF : 11.4/6

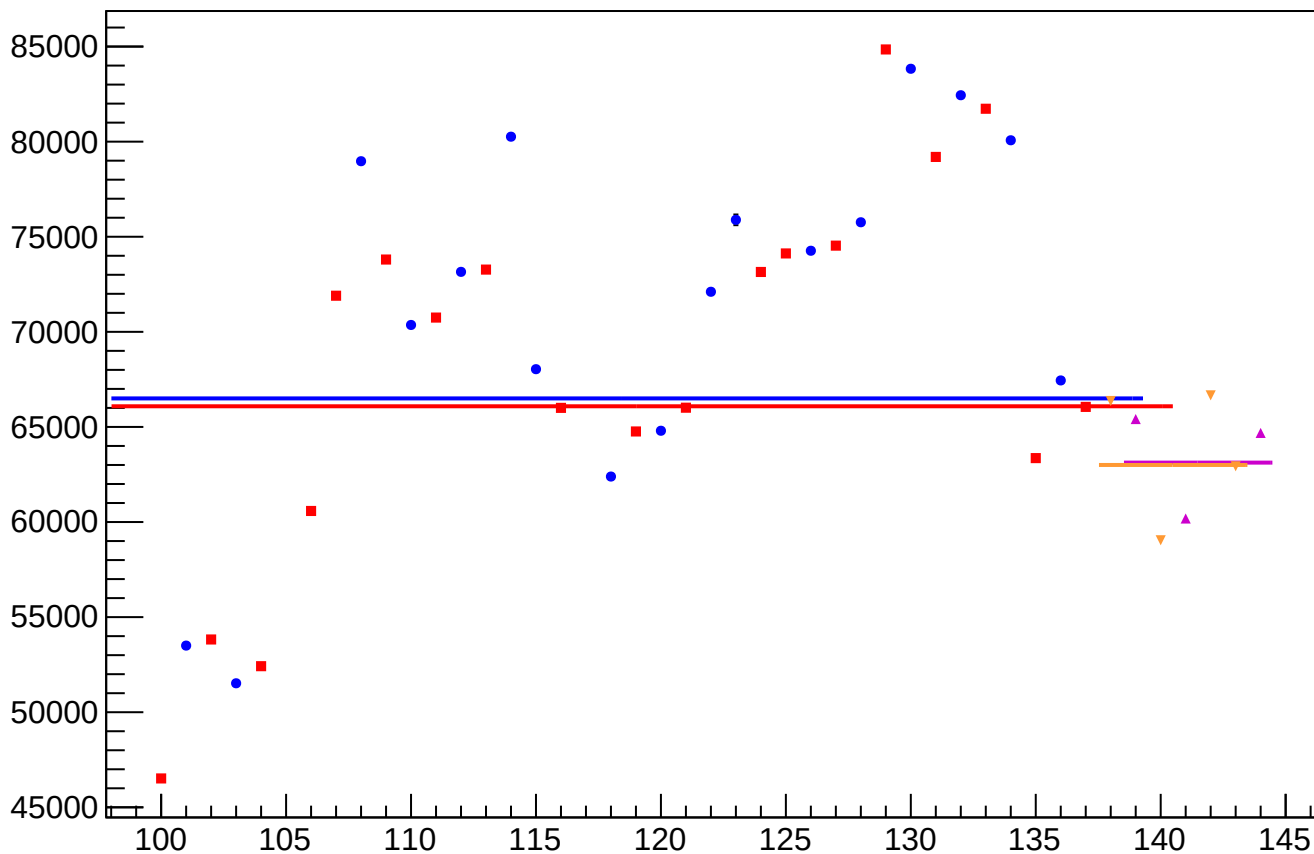
Right: -58.047 ± 18.035 χ^2/NDF : 36.0/35

In: -58.470 ± 21.939 χ^2/NDF : 26.7/19

Out: -25.130 ± 21.070 χ^2/NDF : 22.5/22

All: -41.127 ± 15.196 χ^2/NDF : 50.4/42

diff_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 66500.038+/-18.371 χ^2/NDF : 320048.0/16

Left Out: 63000.568+/-27.534 χ^2/NDF : 13523.1/3

Right Out: 66086.098+/-17.716 χ^2/NDF : 298277.2/18

Left In: 63124.299+/-28.958 χ^2/NDF : 6681.9/2

Left: 63059.316+/-19.954 χ^2/NDF : 20214.5/6

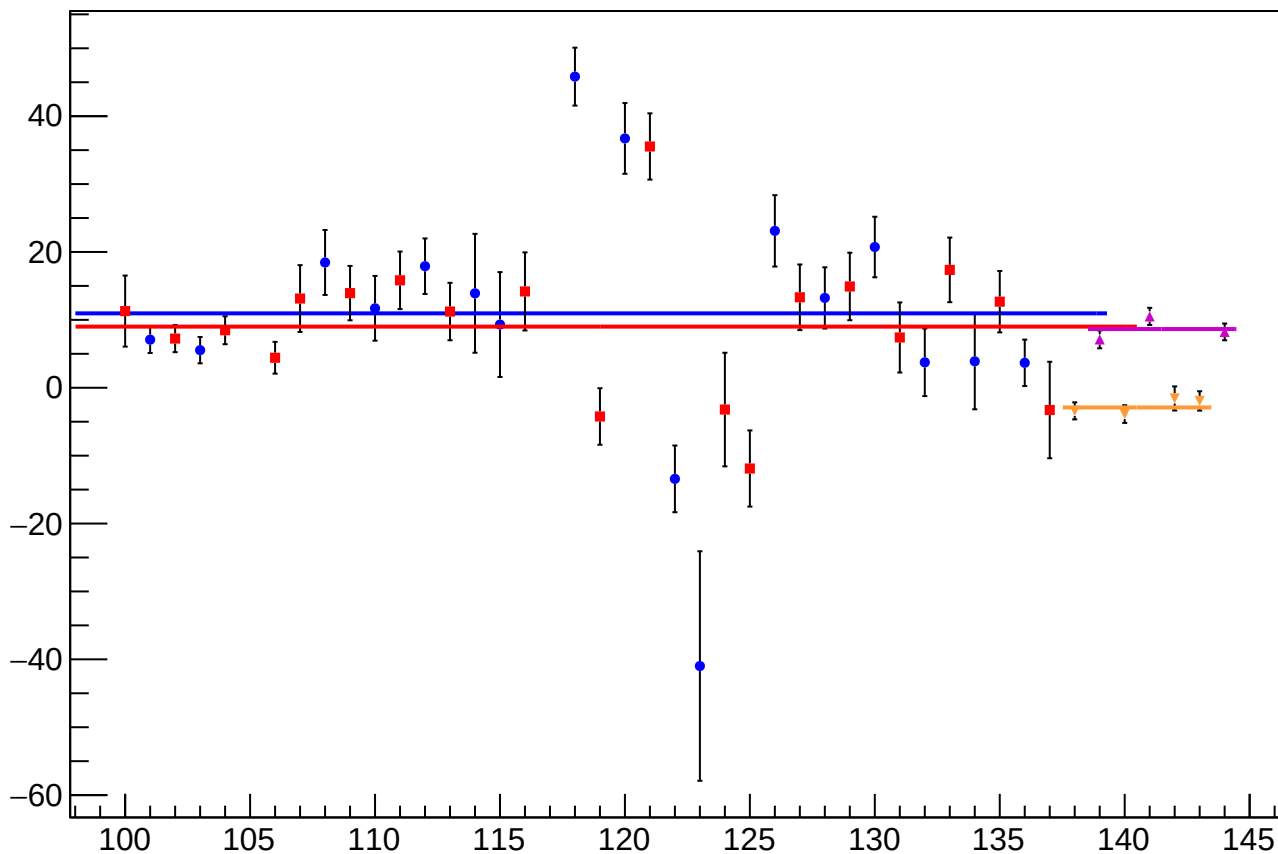
Right: 66285.552+/-12.752 χ^2/NDF : 618588.3/35

In: 65531.299+/-15.513 χ^2/NDF : 336419.3/19

Out: 65182.729+/-14.898 χ^2/NDF : 320681.5/22

All: 65349.974+/-10.745 χ^2/NDF : 657363.4/4

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.959 ± 0.944 $\chi^2/\text{NDF}: 160.6/16$

Left Out: -2.900 ± 0.701 $\chi^2/\text{NDF}: 1.7/3$

Right Out: 9.006 ± 0.867 $\chi^2/\text{NDF}: 75.5/18$

Left In: 8.650 ± 0.732 $\chi^2/\text{NDF}: 3.7/2$

Left: 2.624 ± 0.506 $\chi^2/\text{NDF}: 135.3/6$

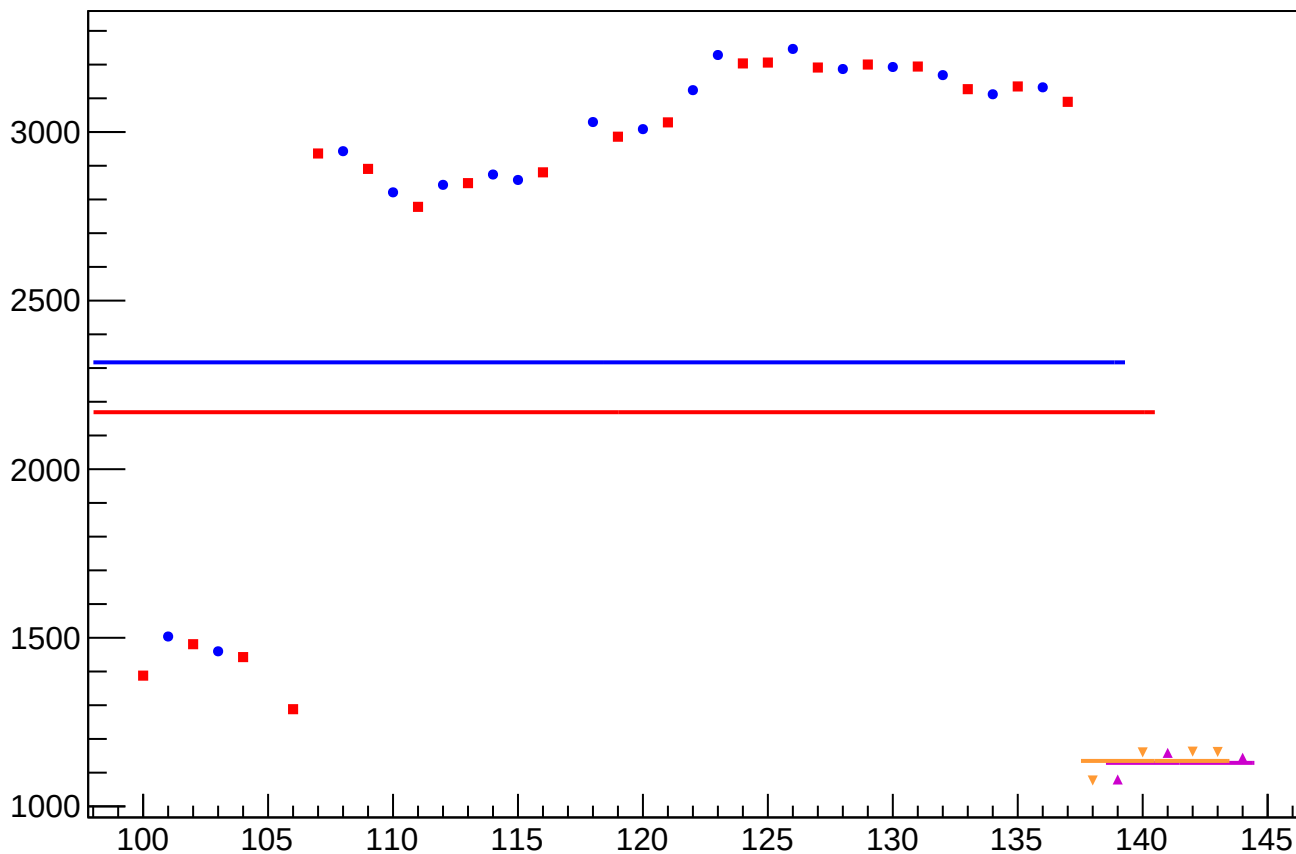
Right: 9.899 ± 0.639 $\chi^2/\text{NDF}: 238.4/35$

In: 9.517 ± 0.578 $\chi^2/\text{NDF}: 168.0/19$

Out: 1.803 ± 0.545 $\chi^2/\text{NDF}: 191.3/22$

All: 5.431 ± 0.397 $\chi^2/\text{NDF}: 453.5/42$

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2316.901 $\pm$ 0.668 χ^2 /NDF: 1405097.4/16

Left Out: 1134.806 $\pm$ 0.495 χ^2 /NDF: 6207.4/3

Right Out: 2169.038 $\pm$ 0.613 χ^2 /NDF: 1749119.2/18

Left In: 1129.024 $\pm$ 0.518 χ^2 /NDF: 4237.6/2

Left: 1132.041 $\pm$ 0.358 χ^2 /NDF: 10510.2/6

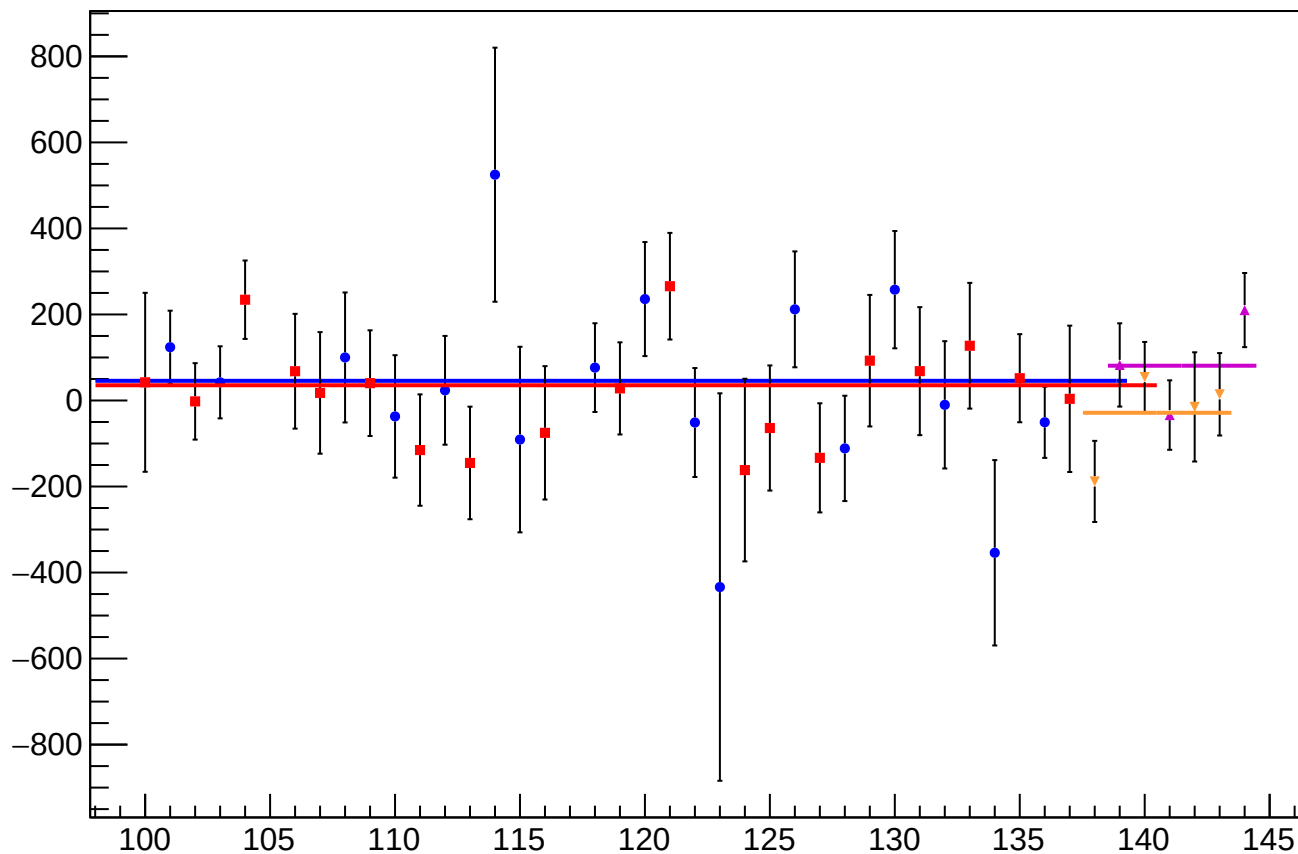
Right: 2236.688 $\pm$ 0.452 χ^2 /NDF: 3180824.5/35

In: 1574.874 $\pm$ 0.409 χ^2 /NDF: 3386730.6/19

Out: 1543.383 $\pm$ 0.385 χ^2 /NDF: 3476525.3/22

All: 1558.192 $\pm$ 0.280 χ^2 /NDF: 6866395.7/42

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 45.747 $\pm$ 30.474 χ^2 /NDF: 18.8/16

Left Out: -28.588 $\pm$ 48.053 χ^2 /NDF: 4.1/3

Right Out: 35.391 $\pm$ 29.480 χ^2 /NDF: 16.0/18

Left In: 80.858 $\pm$ 50.342 χ^2 /NDF: 4.3/2

Left: 23.590 $\pm$ 34.760 χ^2 /NDF: 10.9/6

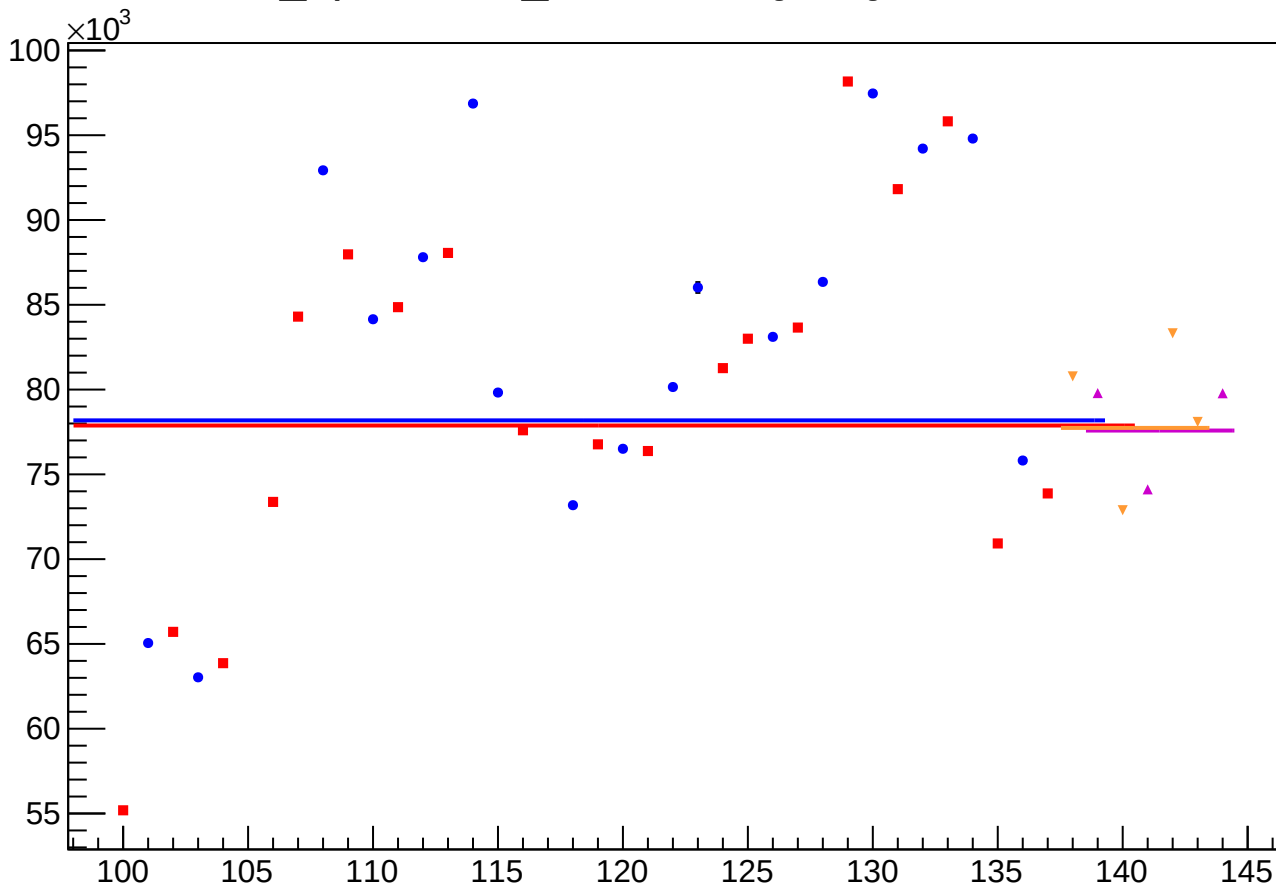
Right: 40.397 $\pm$ 21.188 χ^2 /NDF: 34.8/35

In: 55.162 $\pm$ 26.069 χ^2 /NDF: 23.4/19

Out: 17.896 $\pm$ 25.128 χ^2 /NDF: 21.4/22

All: 35.844 $\pm$ 18.092 χ^2 /NDF: 45.8/42

diff_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 78183.588 $\pm$ 21.548 χ^2/NDF : 250278.3/16

Left Out: 77738.589 $\pm$ 33.978 χ^2/NDF :13018.4/3

Right Out: 77880.644 $\pm$ 20.846 χ^2/NDF : 247268.7/18

Left In: 77583.872 $\pm$ 35.597 χ^2/NDF :6031.2/2

Left: 77664.828 $\pm$ 24.579 χ^2/NDF : 19059.5/6

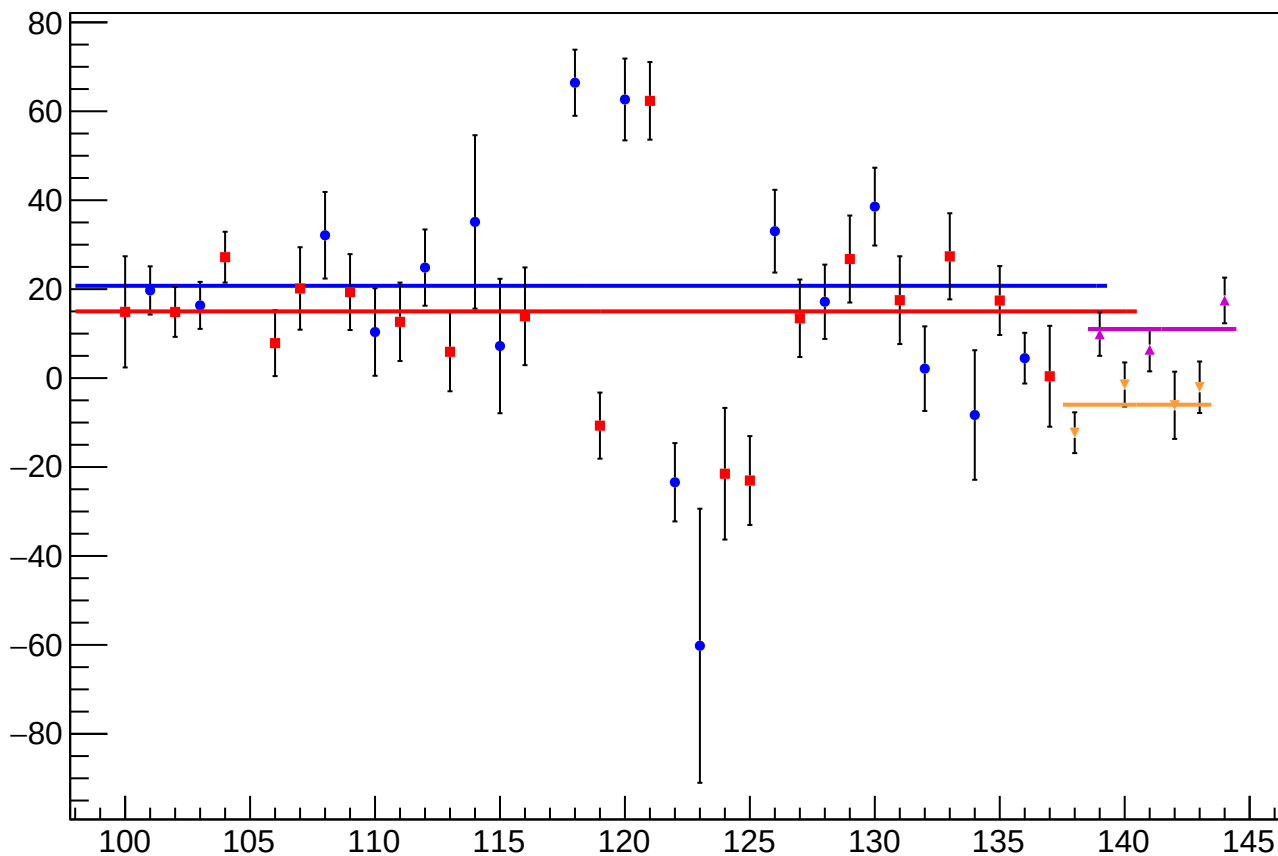
Right: 78027.099 $\pm$ 14.982 χ^2/NDF : 497649.1/35

In: 78022.766 $\pm$ 18.434 χ^2/NDF :256517.1/19

Out: 77841.798 $\pm$ 17.768 χ^2/NDF :260299.9/22

All: 77928.957 $\pm$ 12.793 χ^2/NDF : 516867.0/4

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.754 $\pm$ 2.039 χ^2 /NDF: 117.4/16

Left Out: -5.979 $\pm$ 2.716 χ^2 /NDF: 3.2/3

Right Out: 15.004 $\pm$ 1.958 χ^2 /NDF: 74.0/18

Left In: 11.037 $\pm$ 2.862 χ^2 /NDF: 2.5/2

Left: 2.086 $\pm$ 1.970 χ^2 /NDF: 24.3/6

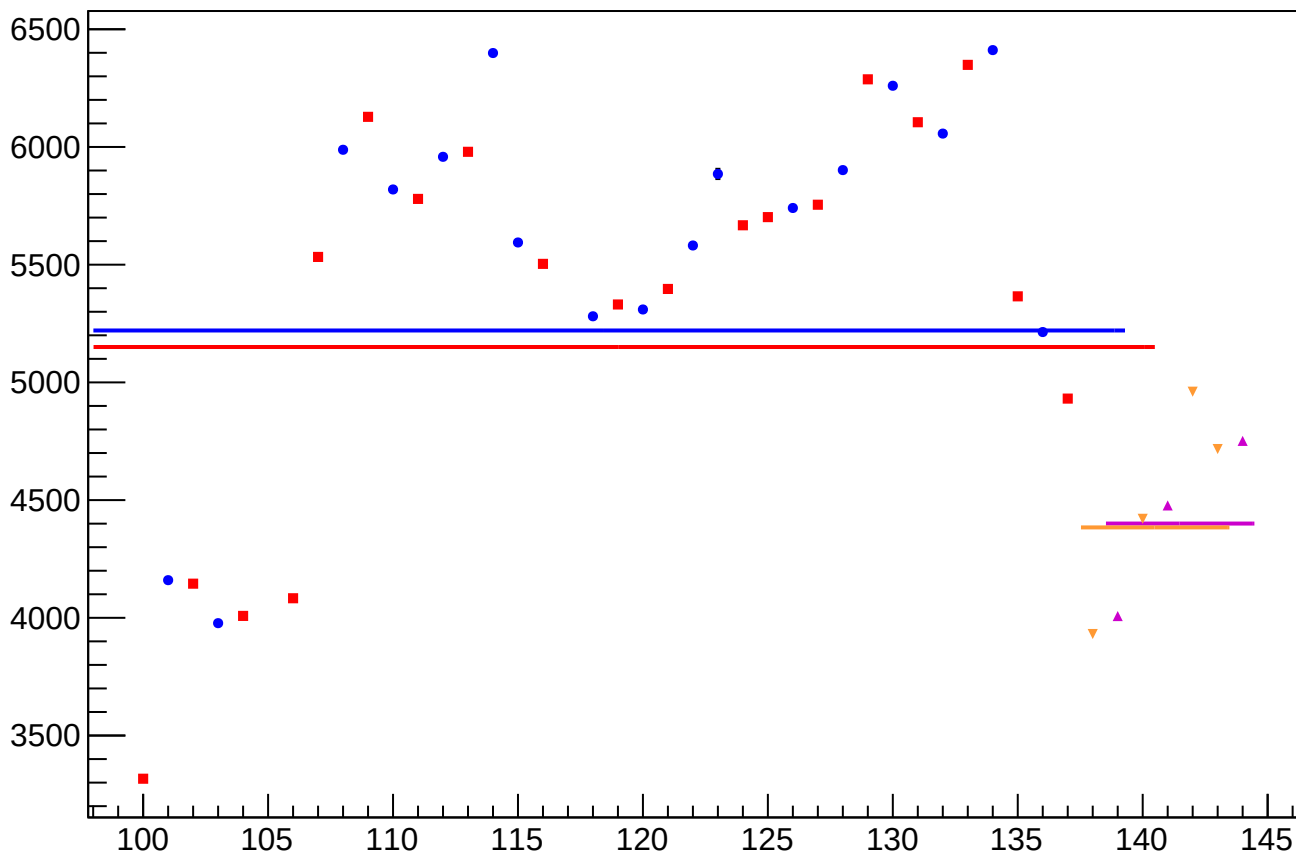
Right: 17.763 $\pm$ 1.412 χ^2 /NDF: 195.5/35

In: 17.483 $\pm$ 1.660 χ^2 /NDF: 127.5/19

Out: 7.832 $\pm$ 1.588 χ^2 /NDF: 116.5/22

All: 12.443 $\pm$ 1.148 χ^2 /NDF: 261.7/42

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 5220.495+/-1.441 χ^2/NDF : 311533.7/16

Left Out: 4384.006+/-1.921 χ^2/NDF : 37833.4/3

Right Out: 5150.309+/-1.384 χ^2/NDF : 387575.3/18

Left In: 4400.382+/-2.023 χ^2/NDF : 22874.9/2

Left: 4391.768+/-1.393 χ^2/NDF : 60742.7/6

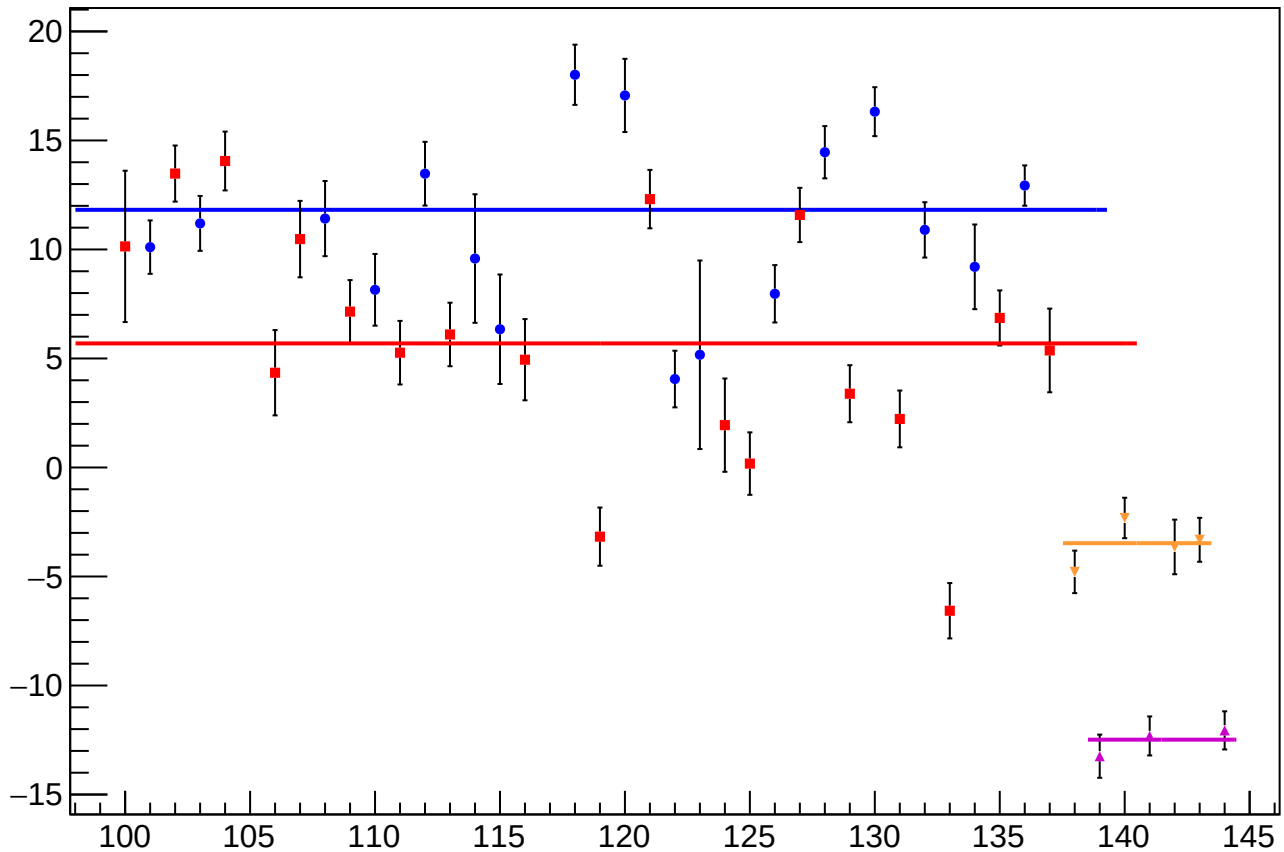
Right: 5183.979+/-0.998 χ^2/NDF : 700342.4/35

In: 4944.414+/-1.174 χ^2/NDF : 443375.2/19

Out: 4888.389+/-1.123 χ^2/NDF : 530164.5/22

All: 4915.156+/-0.812 χ^2/NDF : 974728.8/42

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 11.819+/-0.345 χ^2 /NDF: 115.1/16

Left Out: -3.472+/-0.510 χ^2 /NDF:3.4/3

Right Out: 5.691+/-0.339 χ^2 /NDF: 299.2/18

Left In: -12.484+/-0.529 χ^2 /NDF:0.9/2

Left: -7.820+/-0.367 χ^2 /NDF: 154.7/6

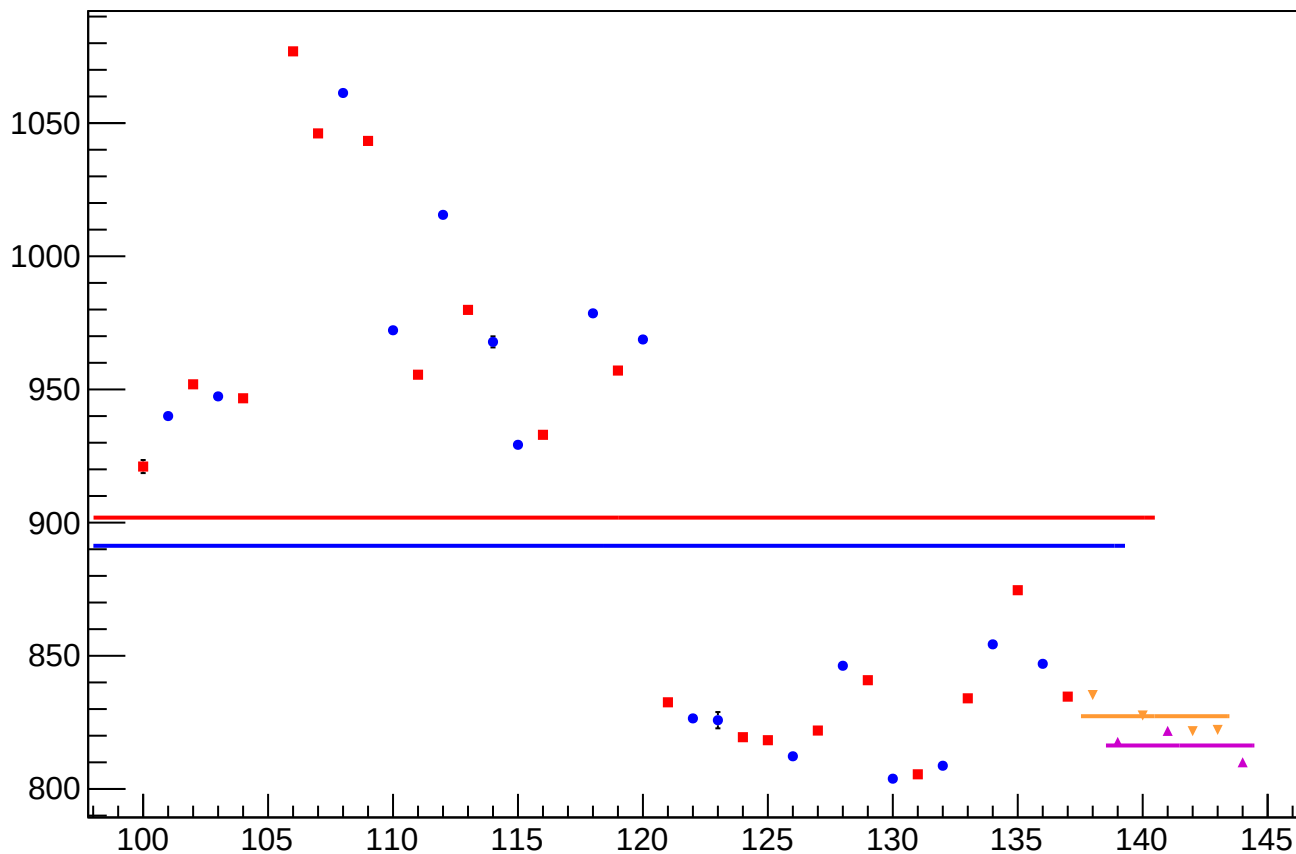
Right: 8.701+/-0.242 χ^2 /NDF: 574.6/35

In: 4.556+/-0.289 χ^2 /NDF:1597.5/19

Out: 2.885+/-0.282 χ^2 /NDF:526.1/22

All: 3.701+/-0.202 χ^2 /NDF: 2140.7/42

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 891.299 $\pm$ 0.244 χ^2 /NDF: 101327.8/16

Left Out: 827.318 $\pm$ 0.361 χ^2 /NDF:225.5/3

Right Out: 901.879 $\pm$ 0.240 χ^2 /NDF: 114242.3/18

Left In: 816.324 $\pm$ 0.374 χ^2 /NDF:183.0/2

Left: 822.014 $\pm$ 0.260 χ^2 /NDF: 856.1/6

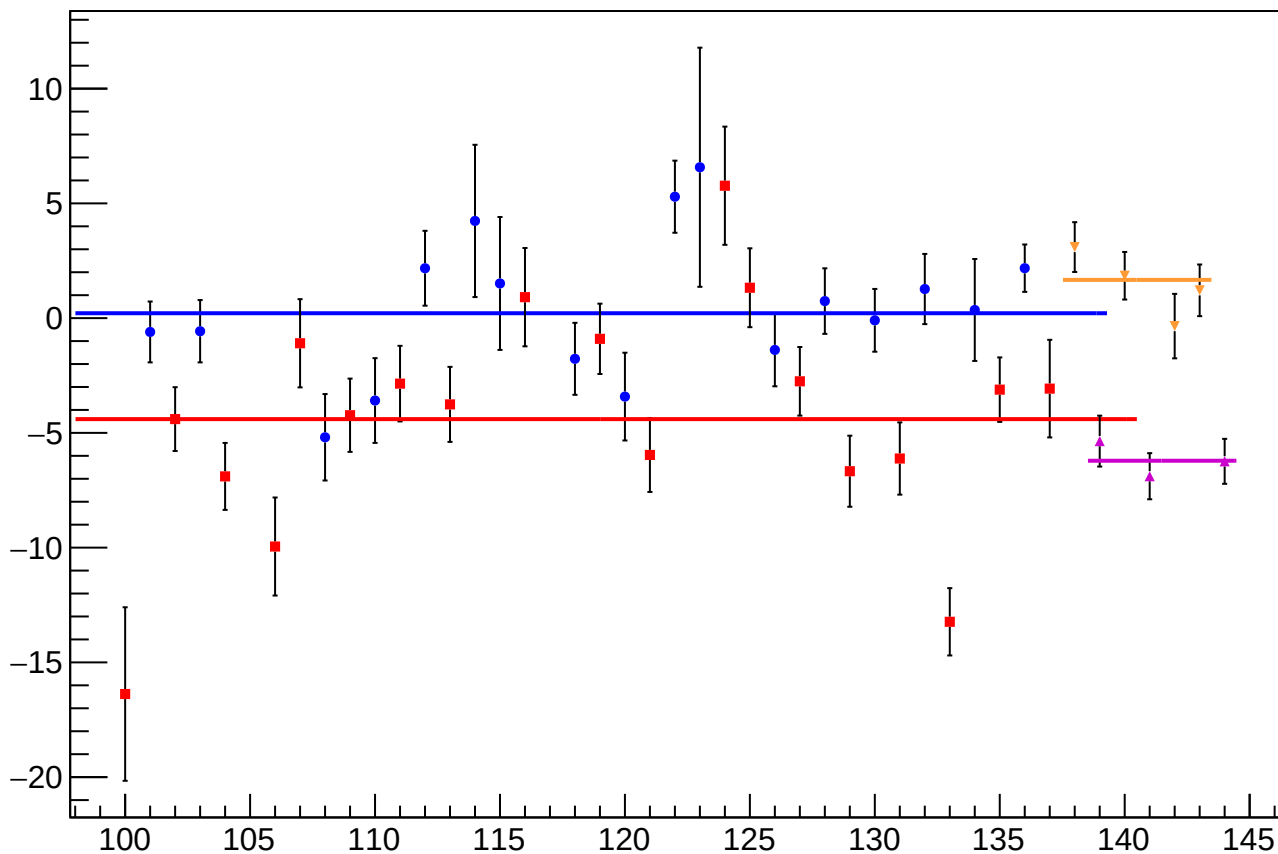
Right: 896.682 $\pm$ 0.171 χ^2 /NDF: 216526.2/35

In: 868.893 $\pm$ 0.204 χ^2 /NDF:129712.4/19

Out: 879.048 $\pm$ 0.200 χ^2 /NDF:144068.8/22

All: 874.087 $\pm$ 0.143 χ^2 /NDF: 275044.0/42

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.213 ± 0.396 χ^2/NDF : 38.8/16

Left Out: 1.667 ± 0.570 χ^2/NDF : 4.0/3

Right Out: -4.400 ± 0.387 χ^2/NDF : 104.8/18

Left In: -6.214 ± 0.593 χ^2/NDF : 1.0/2

Left: -2.120 ± 0.411 χ^2/NDF : 96.8/6

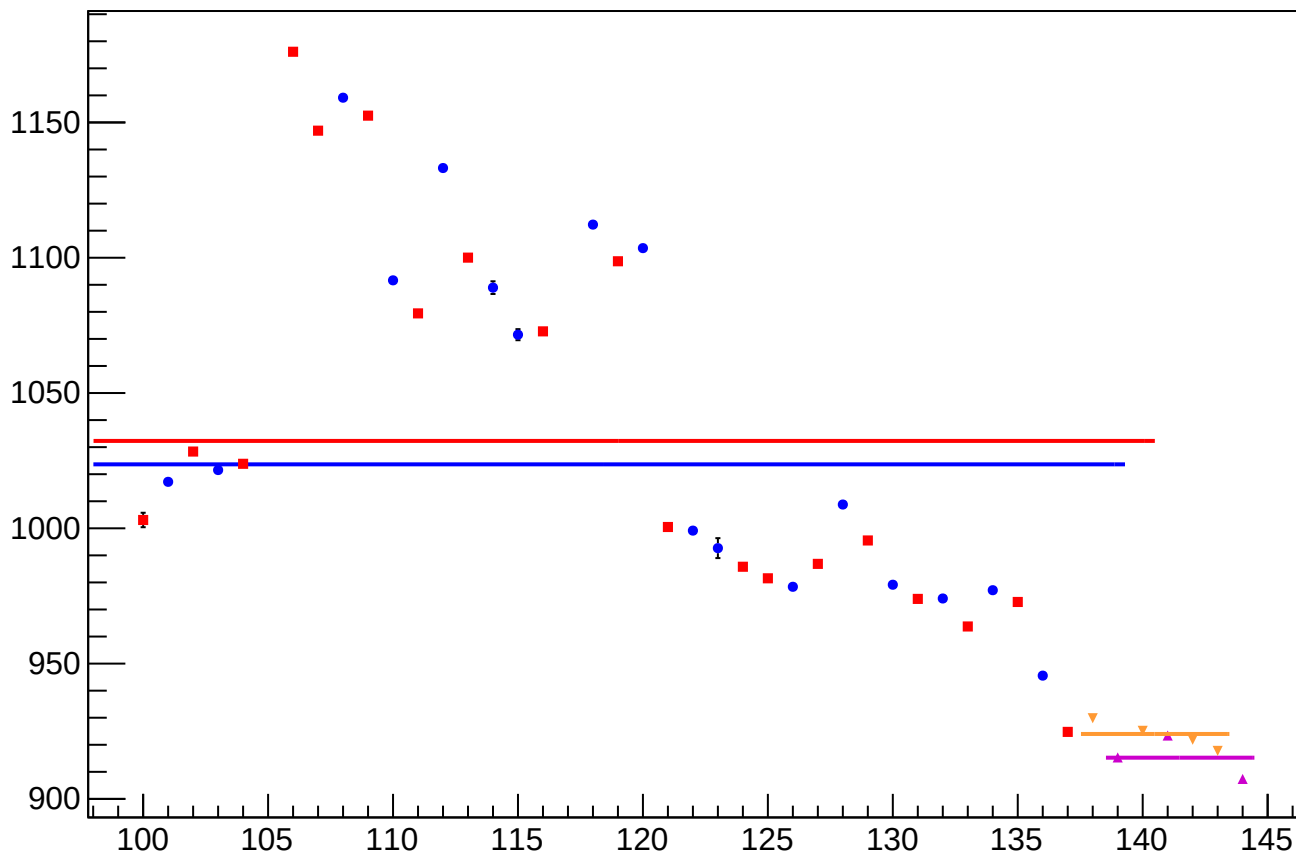
Right: -2.142 ± 0.277 χ^2/NDF : 212.9/35

In: -1.768 ± 0.329 χ^2/NDF : 121.1/19

Out: -2.484 ± 0.320 χ^2/NDF : 186.2/22

All: -2.135 ± 0.230 χ^2/NDF : 309.8/42

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 1023.643+/-0.280 χ^2/NDF : 52282.5/16

Left Out: 923.995+/-0.403 χ^2/NDF : 126.4/3

Right Out: 1032.299+/-0.274 χ^2/NDF : 59262.4/18

Left In: 915.231+/-0.419 χ^2/NDF : 261.2/2

Left: 919.784+/-0.291 χ^2/NDF : 614.6/6

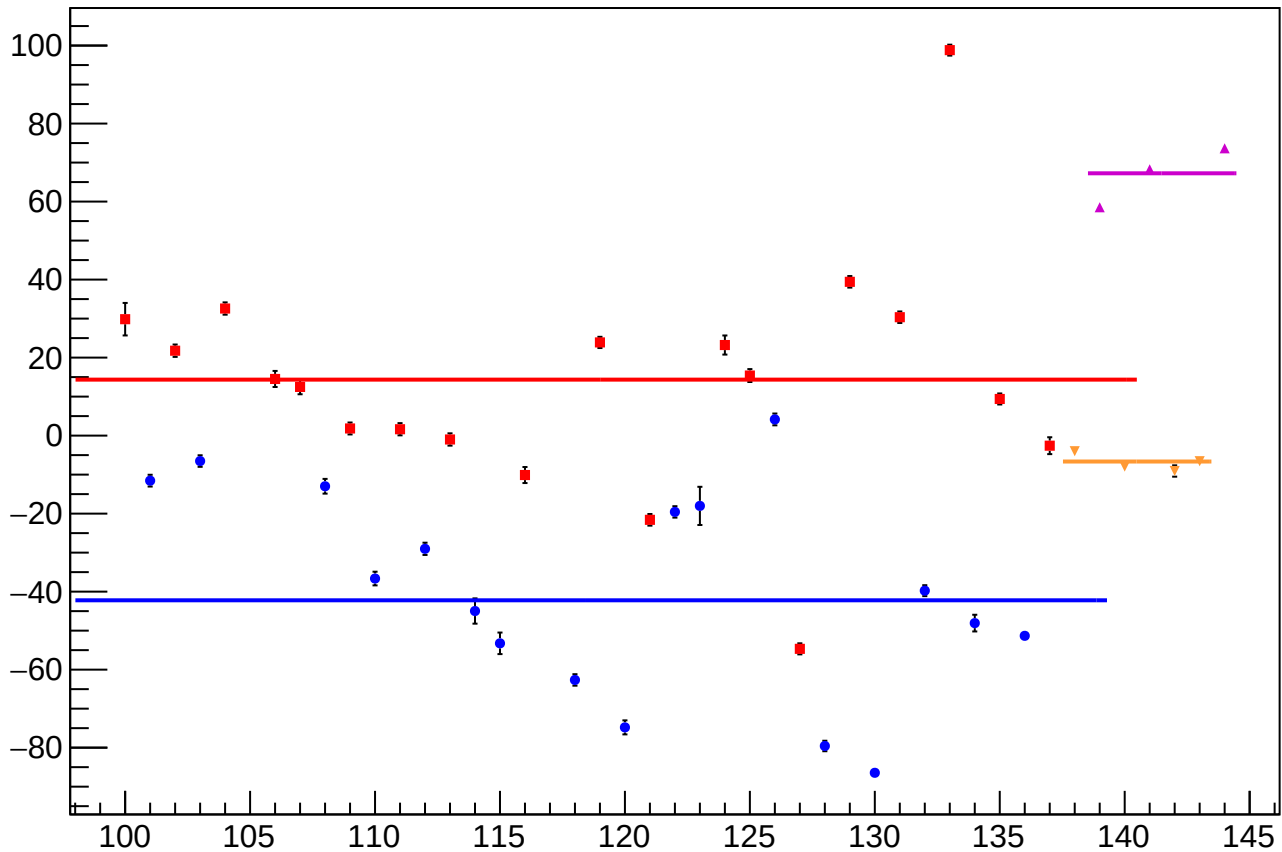
Right: 1028.062+/-0.196 χ^2/NDF : 112033.6/35

In: 990.231+/-0.233 χ^2/NDF : 98815.7/19

Out: 998.083+/-0.227 χ^2/NDF : 108765.5/22

All: 994.262+/-0.162 χ^2/NDF : 208165.5/42

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -42.222 $\pm$ 0.388 χ^2/NDF : 5097.2/16

Left Out: -6.643 $\pm$ 0.583 χ^2/NDF : 10.2/3

Right Out: 14.353 $\pm$ 0.379 χ^2/NDF : 7667.7/18

Left In: 67.250 $\pm$ 0.611 χ^2/NDF : 102.1/2

Left: 28.573 $\pm$ 0.422 χ^2/NDF : 7765.7/6

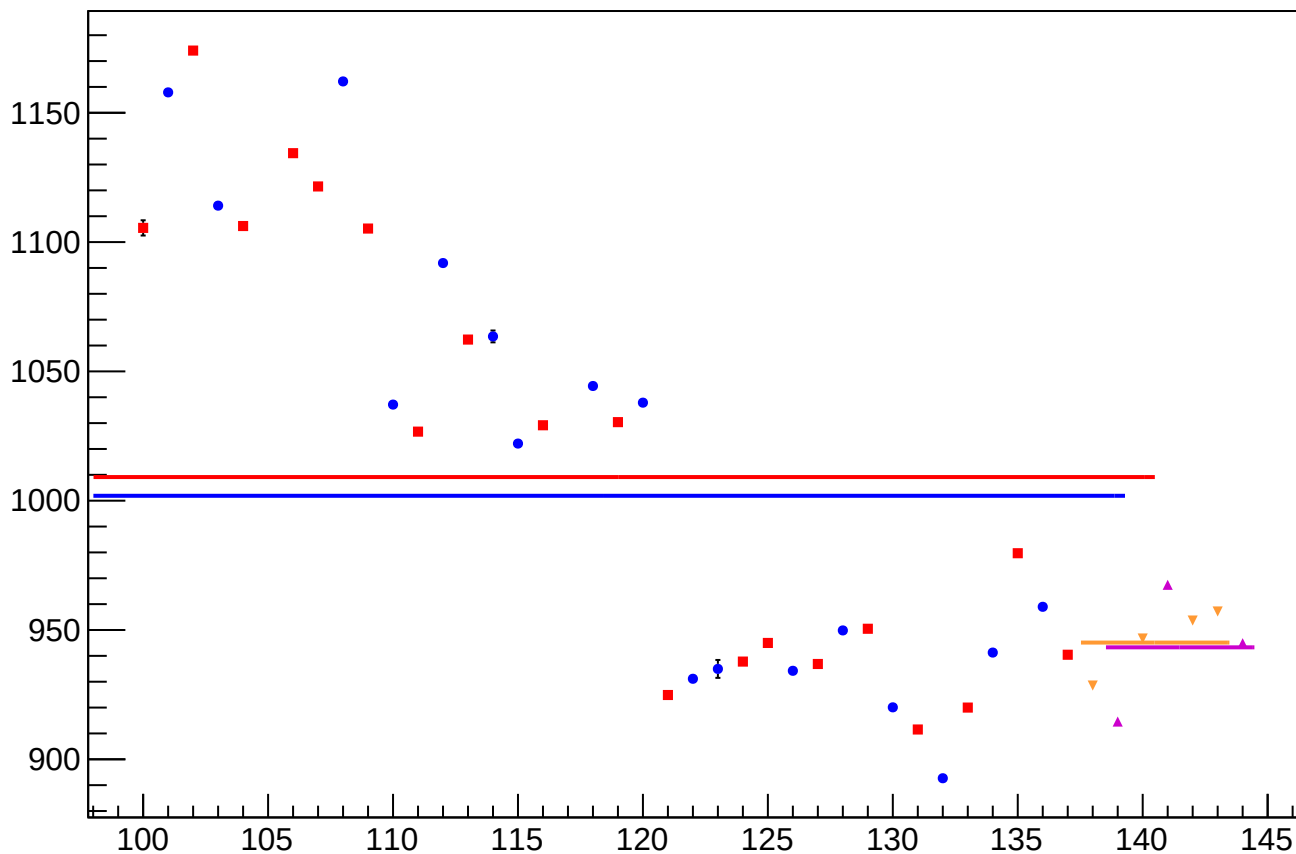
Right: -13.294 $\pm$ 0.271 χ^2/NDF : 23642.7/35

In: -10.783 $\pm$ 0.327 χ^2/NDF : 28075.5/19

Out: 8.113 $\pm$ 0.318 χ^2/NDF : 8589.0/22

All: -1.054 $\pm$ 0.228 χ^2/NDF : 38378.6/42

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 1001.897 $\pm$ 0.274 χ^2 /NDF: 95203.3/16

Left Out: 945.138 $\pm$ 0.412 χ^2 /NDF: 753.7/3

Right Out: 1009.139 $\pm$ 0.268 χ^2 /NDF: 95040.9/18

Left In: 943.293 $\pm$ 0.432 χ^2 /NDF: 2401.4/2

Left: 944.259 $\pm$ 0.298 χ^2 /NDF: 3164.6/6

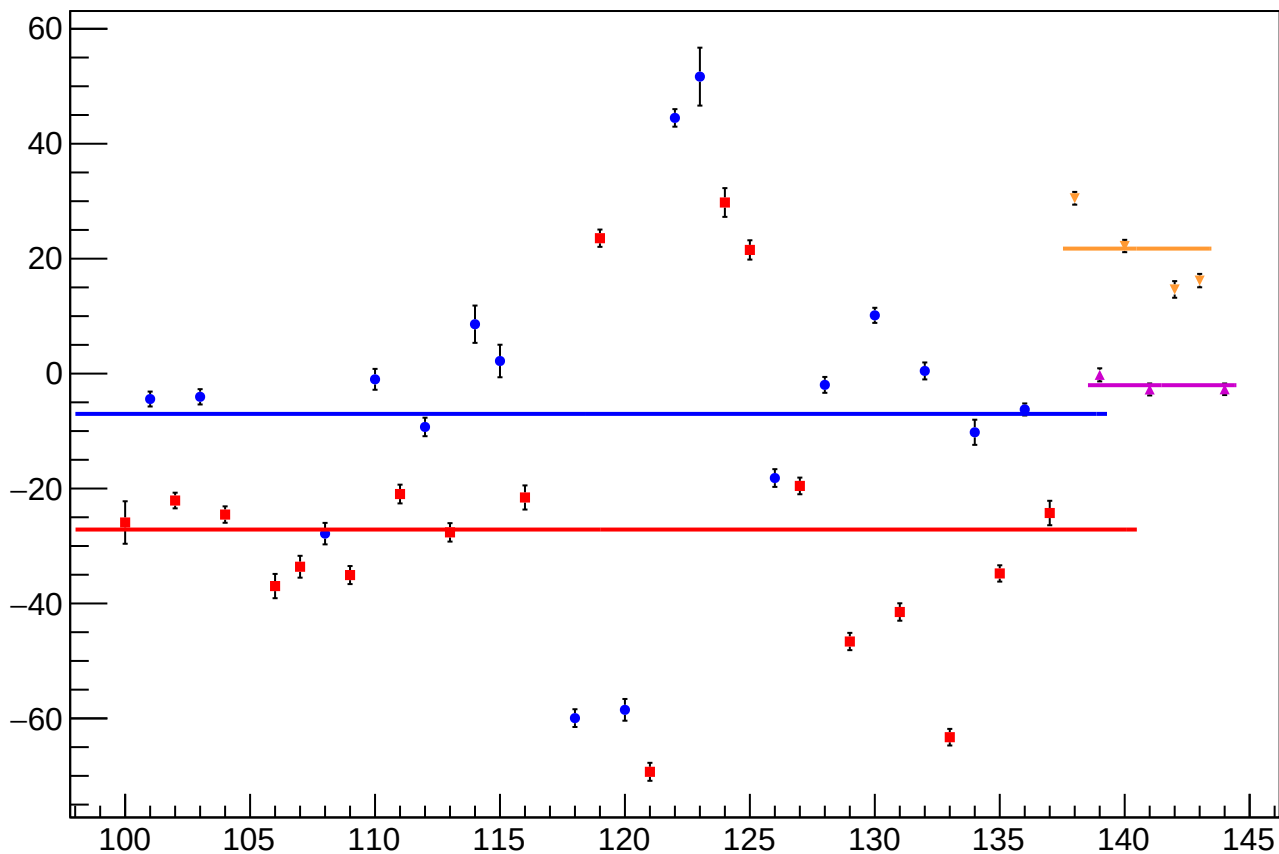
Right: 1005.600 $\pm$ 0.192 χ^2 /NDF: 190600.7/35

In: 985.067 $\pm$ 0.232 χ^2 /NDF: 110716.4/19

Out: 990.117 $\pm$ 0.225 χ^2 /NDF: 112727.9/22

All: 987.667 $\pm$ 0.161 χ^2 /NDF: 223689.2/42

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -7.011 ± 0.389 χ^2/NDF : 3634.7/16

Left Out: 21.752 ± 0.588 χ^2/NDF : 109.2/3

Right Out: -27.137 ± 0.380 χ^2/NDF : 4257.1/18

Left In: -2.018 ± 0.612 χ^2/NDF : 3.5/2

Left: 10.334 ± 0.424 χ^2/NDF : 897.6/6

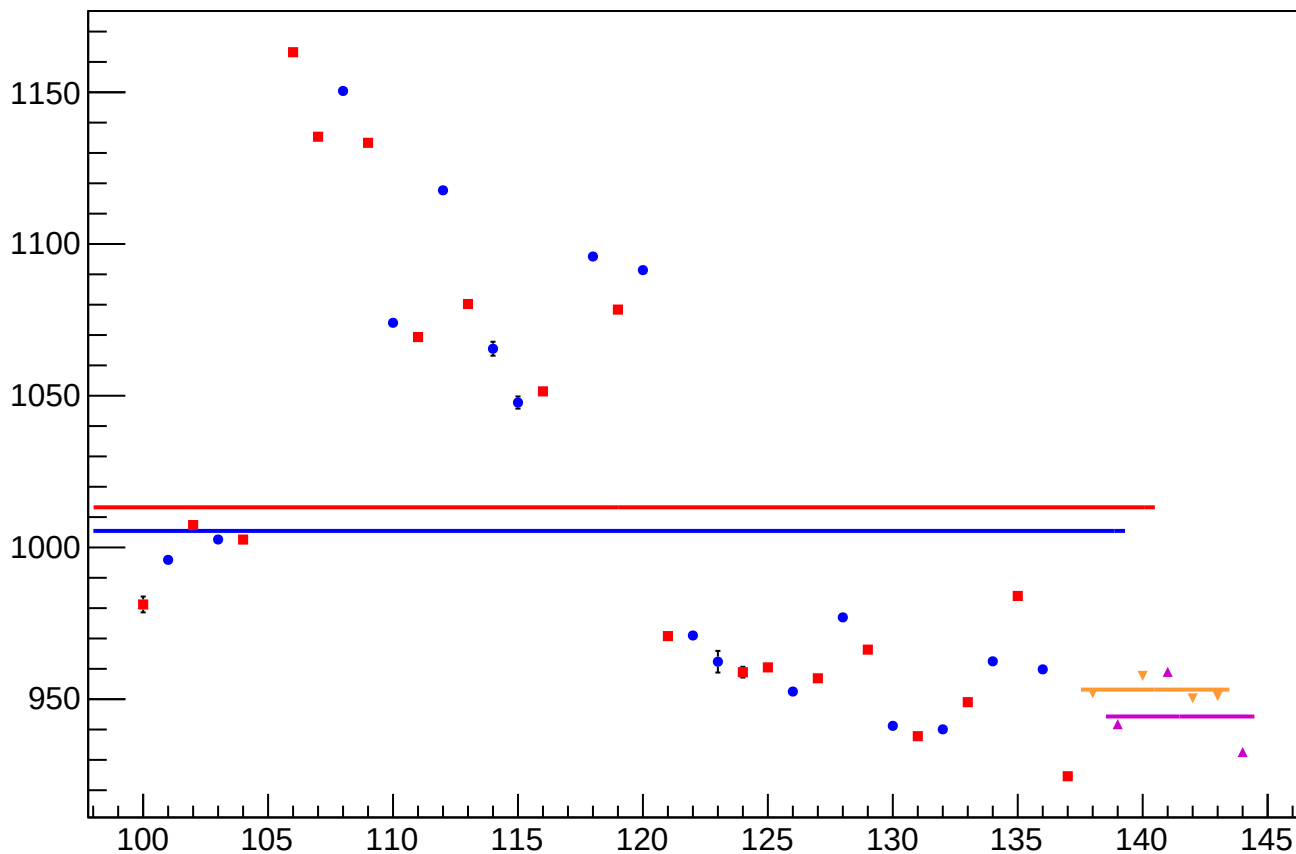
Right: -17.293 ± 0.272 χ^2/NDF : 9261.8/35

In: -5.575 ± 0.328 χ^2/NDF : 3685.6/19

Out: -12.720 ± 0.319 χ^2/NDF : 9240.3/22

All: -9.243 ± 0.229 χ^2/NDF : 13169.5/42

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 1005.453 $\pm$ 0.275 χ^2 /NDF: 54493.5/16

Left Out: 953.149 $\pm$ 0.416 χ^2 /NDF: 52.9/3

Right Out: 1013.228 $\pm$ 0.269 χ^2 /NDF: 63189.9/18

Left In: 944.298 $\pm$ 0.432 χ^2 /NDF: 677.8/2

Left: 948.898 $\pm$ 0.300 χ^2 /NDF: 948.4/6

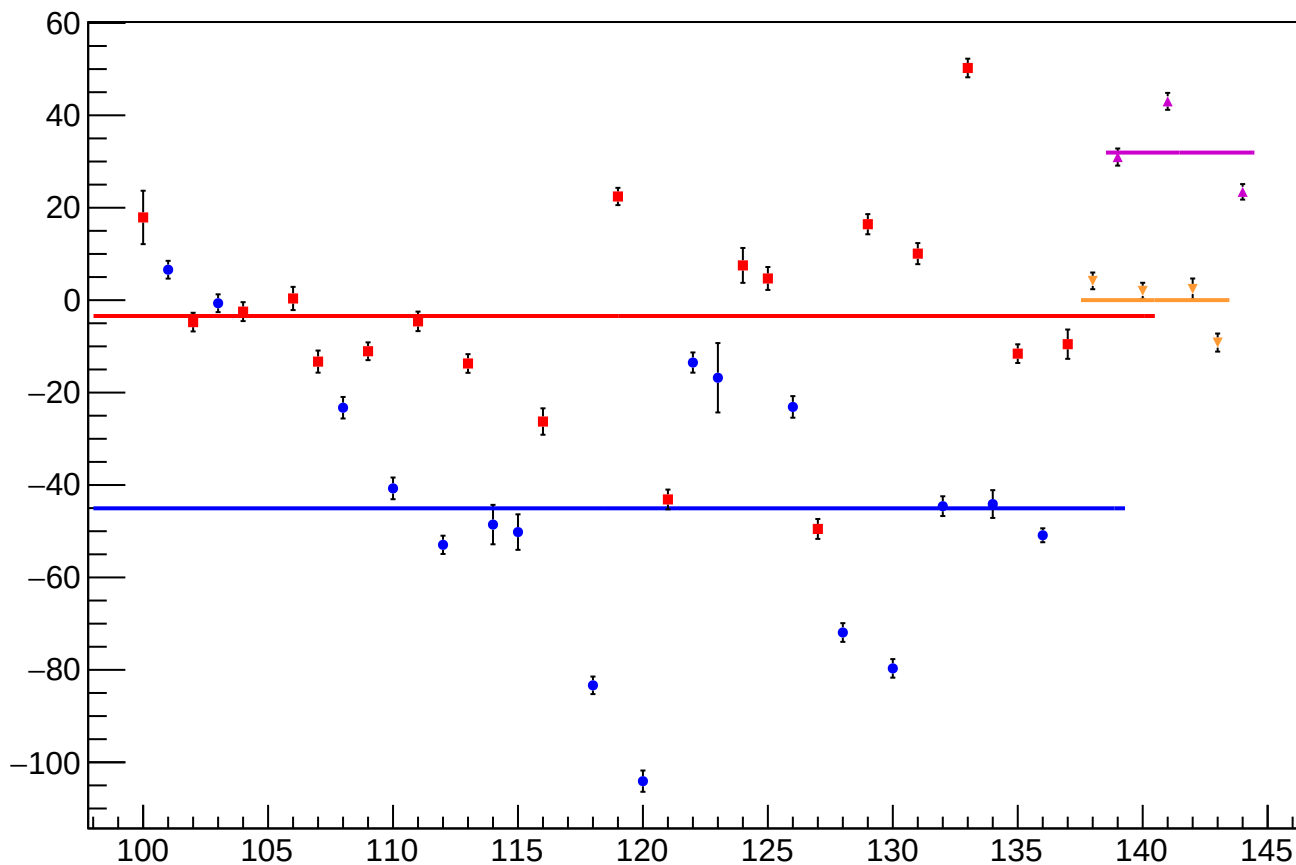
Right: 1009.425 $\pm$ 0.192 χ^2 /NDF: 118092.3/35

In: 987.862 $\pm$ 0.232 χ^2 /NDF: 69414.8/19

Out: 995.511 $\pm$ 0.226 χ^2 /NDF: 77963.8/22

All: 991.789 $\pm$ 0.162 χ^2 /NDF: 147936.9/42

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -45.043 ± 0.541 χ^2/NDF : 3223.5/16

Left Out: 0.007 ± 0.958 χ^2/NDF : 29.8/3

Right Out: -3.429 ± 0.523 χ^2/NDF : 2001.9/18

Left In: 31.935 ± 1.028 χ^2/NDF : 62.6/2

Left: 14.840 ± 0.701 χ^2/NDF : 608.6/6

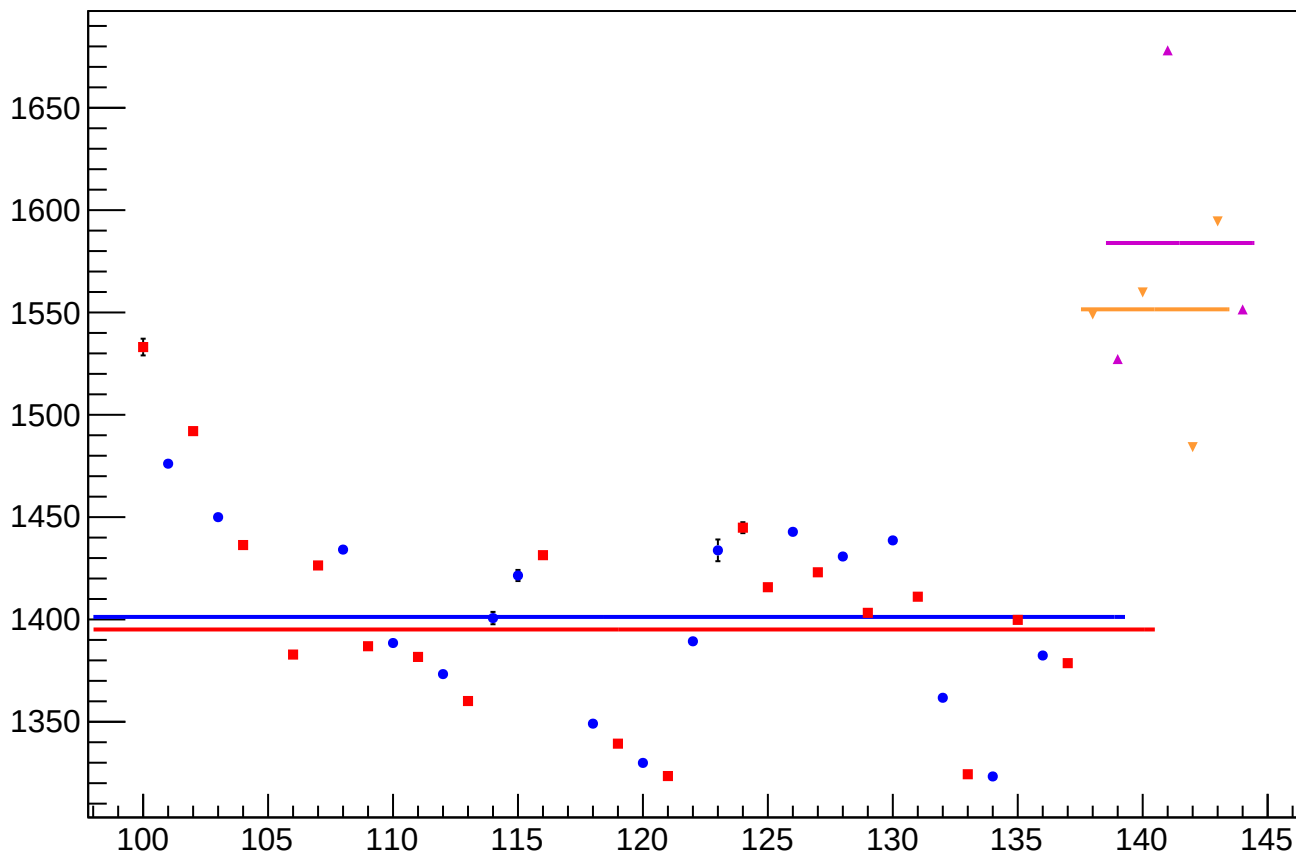
Right: -23.534 ± 0.376 χ^2/NDF : 8287.8/35

In: -28.374 ± 0.479 χ^2/NDF : 7676.4/19

Out: -2.641 ± 0.459 χ^2/NDF : 2041.7/22

All: -14.967 ± 0.331 χ^2/NDF : 11224.8/42

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1401.235 $\pm$ 0.382 χ^2 /NDF: 12839.4/16

Left Out: 1551.533 $\pm$ 0.677 χ^2 /NDF: 2787.5/3

Right Out: 1395.100 $\pm$ 0.370 χ^2 /NDF: 15523.2/18

Left In: 1583.948 $\pm$ 0.727 χ^2 /NDF: 7911.4/2

Left: 1566.593 $\pm$ 0.496 χ^2 /NDF: 11763.0/6

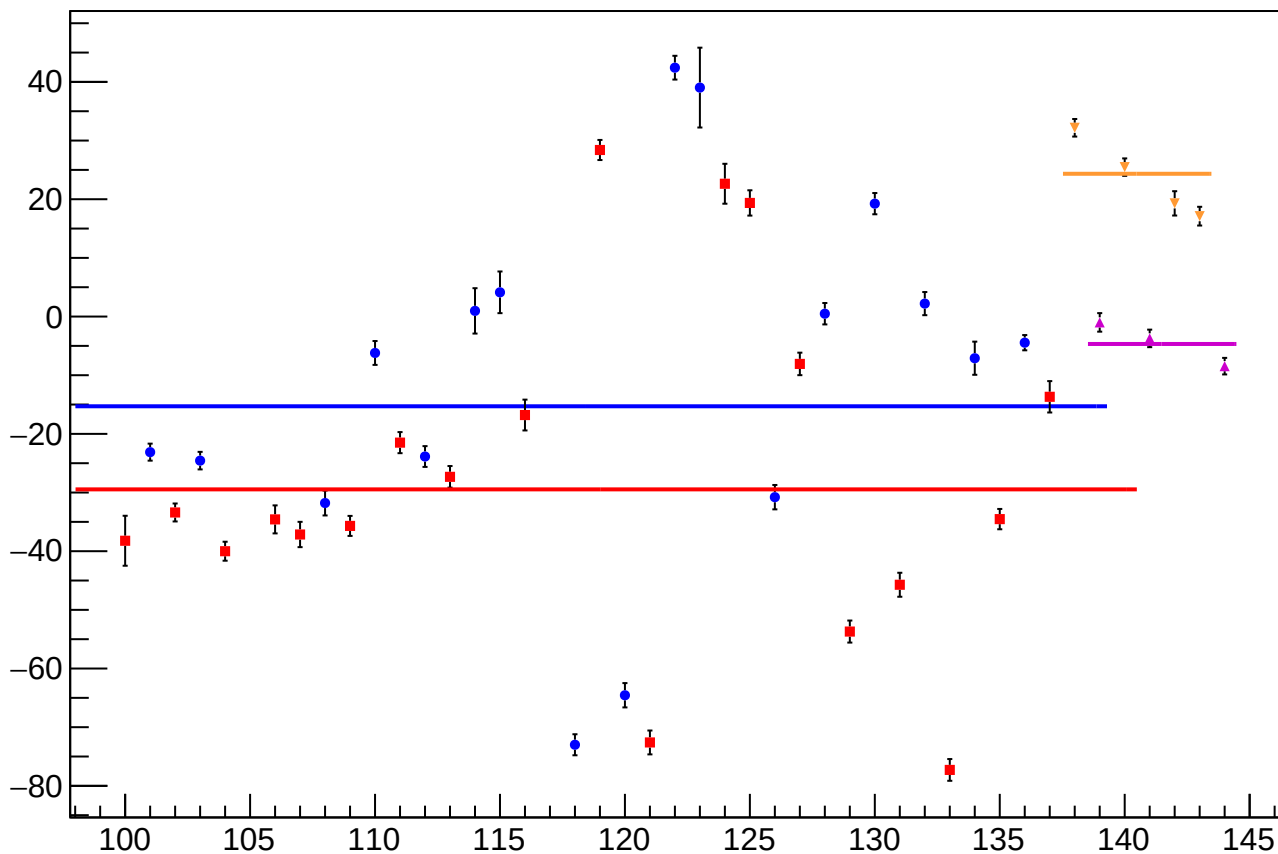
Right: 1398.064 $\pm$ 0.266 χ^2 /NDF: 28495.7/35

In: 1440.801 $\pm$ 0.338 χ^2 /NDF: 70221.5/19

Out: 1430.989 $\pm$ 0.324 χ^2 /NDF: 59412.9/22

All: 1435.689 $\pm$ 0.234 χ^2 /NDF: 130072.5/42

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.296 ± 0.473 χ^2/NDF : 3345.6/16

Left Out: 24.338 ± 0.810 χ^2/NDF : 54.3/3

Right Out: -29.461 ± 0.457 χ^2/NDF : 3528.0/18

Left In: -4.675 ± 0.860 χ^2/NDF : 13.0/2

Left: 10.695 ± 0.590 χ^2/NDF : 670.2/6

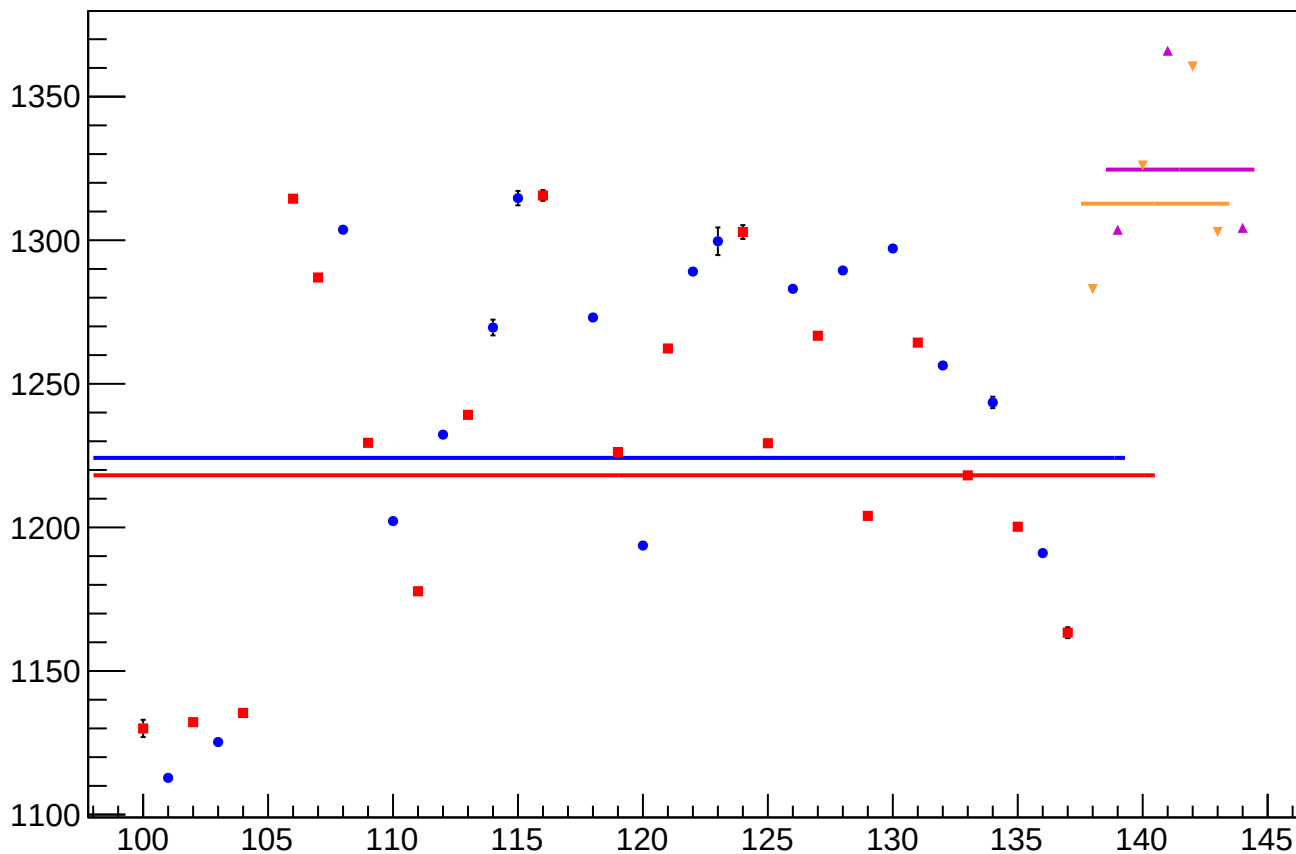
Right: -22.622 ± 0.329 χ^2/NDF : 7337.6/35

In: -12.830 ± 0.414 χ^2/NDF : 3475.7/19

Out: -16.483 ± 0.398 χ^2/NDF : 6926.8/22

All: -14.731 ± 0.287 χ^2/NDF : 10442.9/42

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1224.212 $\pm$ 0.334 χ^2 /NDF: 38774.7/16

Left Out: 1312.747 $\pm$ 0.573 χ^2 /NDF:2086.3/3

Right Out: 1218.154 $\pm$ 0.323 χ^2 /NDF: 27562.5/18

Left In: 1324.597 $\pm$ 0.608 χ^2 /NDF:2302.1/2

Left: 1318.319 $\pm$ 0.417 χ^2 /NDF: 4589.5/6

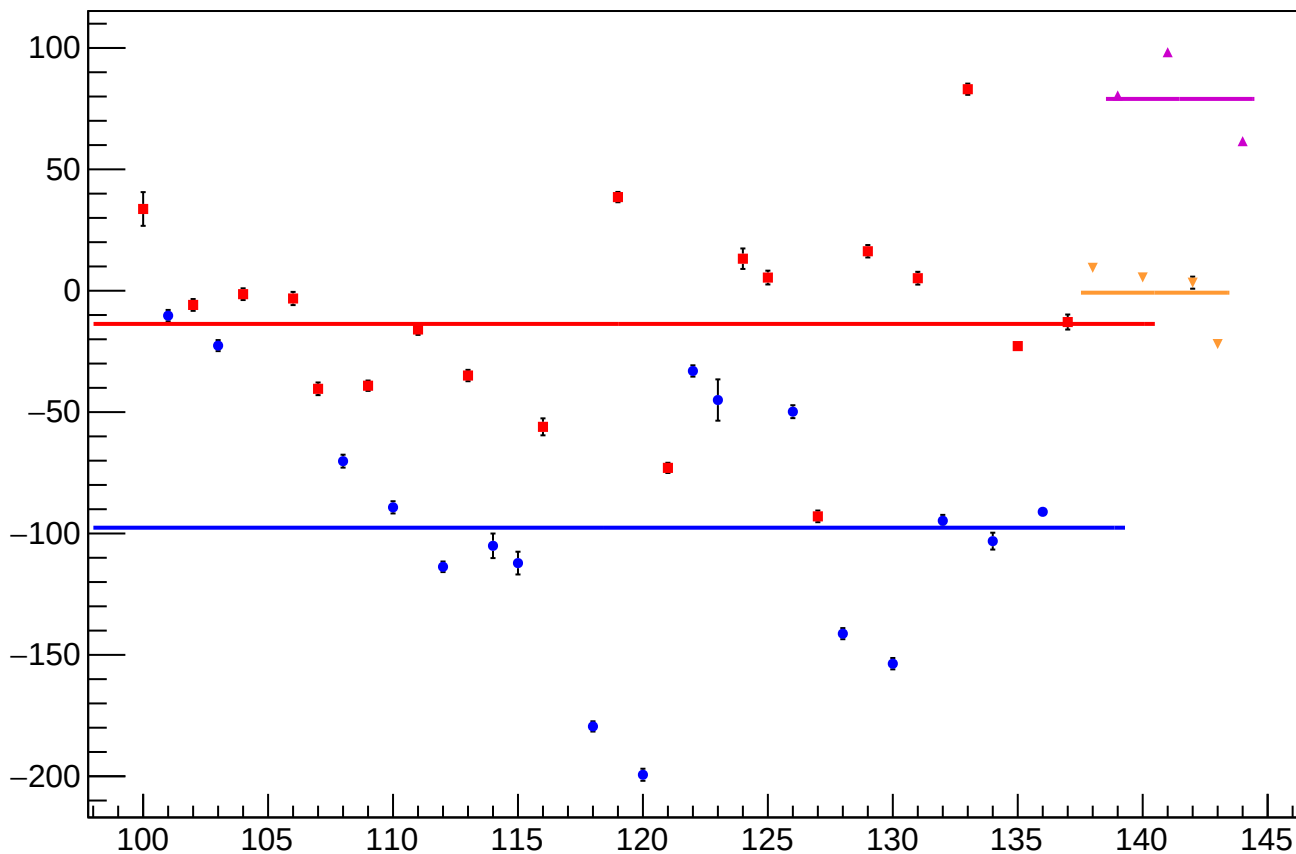
Right: 1221.079 $\pm$ 0.232 χ^2 /NDF: 66506.9/35

In: 1247.515 $\pm$ 0.293 χ^2 /NDF:61997.0/19

Out: 1240.972 $\pm$ 0.281 χ^2 /NDF:50326.9/22

All: 1244.111 $\pm$ 0.203 χ^2 /NDF: 112583.3/42

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -97.610 ± 0.602 χ^2/NDF : 7919.3/16

Left Out: -0.802 ± 0.998 χ^2/NDF : 159.8/3

Right Out: -13.666 ± 0.580 χ^2/NDF : 5116.2/18

Left In: 79.016 ± 1.062 χ^2/NDF : 208.0/2

Left: 36.616 ± 0.727 χ^2/NDF : 3366.9/6

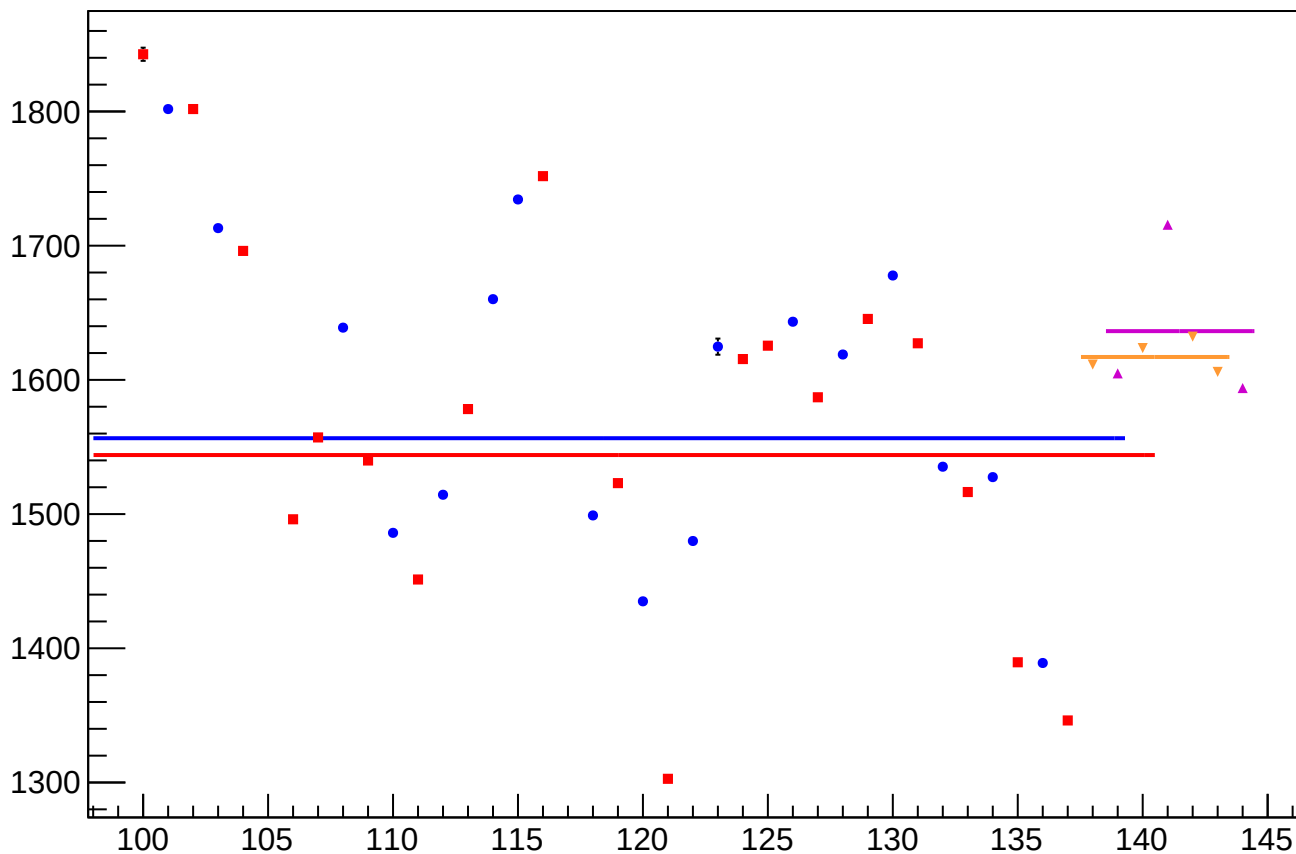
Right: -54.080 ± 0.418 χ^2/NDF : 23109.2/35

In: -54.645 ± 0.524 χ^2/NDF : 29048.2/19

Out: -10.415 ± 0.502 χ^2/NDF : 5400.2/22

All: -31.571 ± 0.362 χ^2/NDF : 38166.5/42

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1556.539 $\pm$ 0.426 χ^2 /NDF: 81438.3/16

Left Out: 1617.064 $\pm$ 0.706 χ^2 /NDF:182.6/3

Right Out: 1543.993 $\pm$ 0.410 χ^2 /NDF: 100599.9/18

Left In: 1636.326 $\pm$ 0.751 χ^2 /NDF:5318.3/2

Left: 1626.094 $\pm$ 0.514 χ^2 /NDF: 5850.2/6

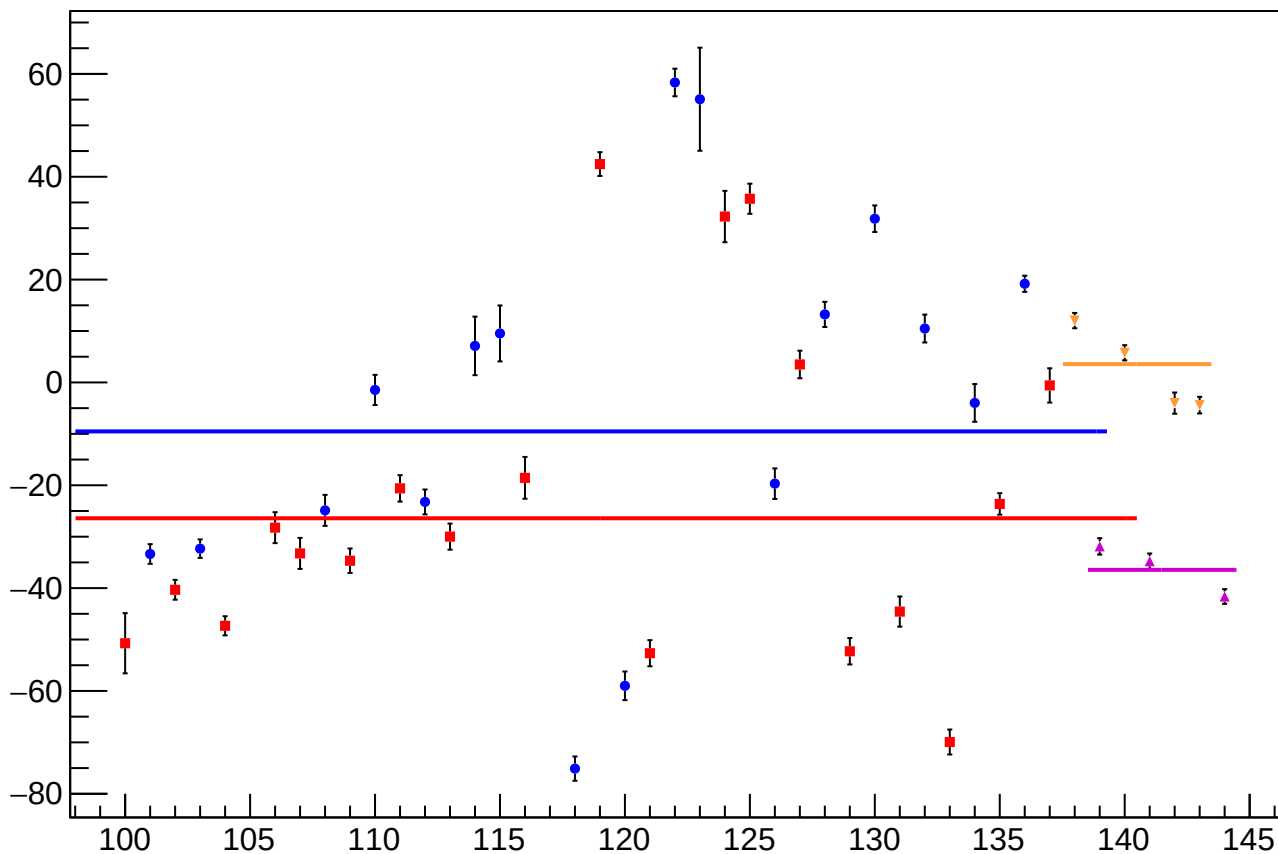
Right: 1550.033 $\pm$ 0.295 χ^2 /NDF: 182488.2/35

In: 1575.947 $\pm$ 0.370 χ^2 /NDF:95294.8/19

Out: 1562.459 $\pm$ 0.355 χ^2 /NDF:108795.7/22

All: 1568.910 $\pm$ 0.256 χ^2 /NDF: 204782.0/42

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -9.523 $\pm$ 0.627 χ^2/NDF : 2908.8/16

Left Out: 3.557 $\pm$ 0.809 χ^2/NDF : 72.5/3

Right Out: -26.417 $\pm$ 0.604 χ^2/NDF : 2451.3/18

Left In: -36.453 $\pm$ 0.868 χ^2/NDF : 22.6/2

Left: -15.048 $\pm$ 0.592 χ^2/NDF : 1233.1/6

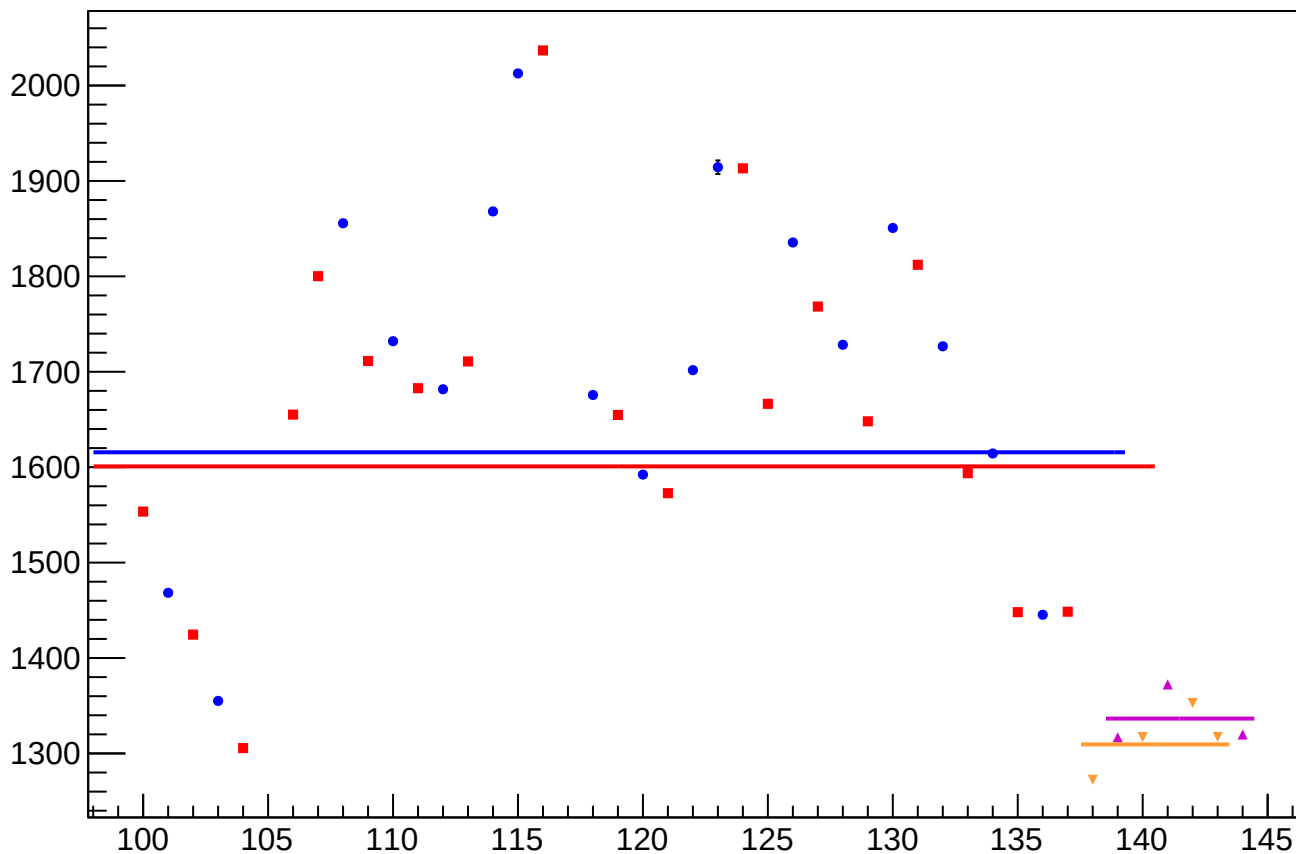
Right: -18.295 $\pm$ 0.435 χ^2/NDF : 5736.6/35

In: -18.771 $\pm$ 0.508 χ^2/NDF : 3564.1/19

Out: -15.693 $\pm$ 0.484 χ^2/NDF : 3405.9/22

All: -17.156 $\pm$ 0.350 χ^2/NDF : 6989.2/42

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1615.627 $\pm$ 0.444 χ^2/NDF : 149190.0/16

Left Out: 1309.451 $\pm$ 0.572 χ^2/NDF :2228.6/3

Right Out: 1600.836 $\pm$ 0.427 χ^2/NDF : 153528.6/18

Left In: 1336.557 $\pm$ 0.613 χ^2/NDF :1719.2/2

Left: 1322.055 $\pm$ 0.418 χ^2/NDF : 4992.4/6

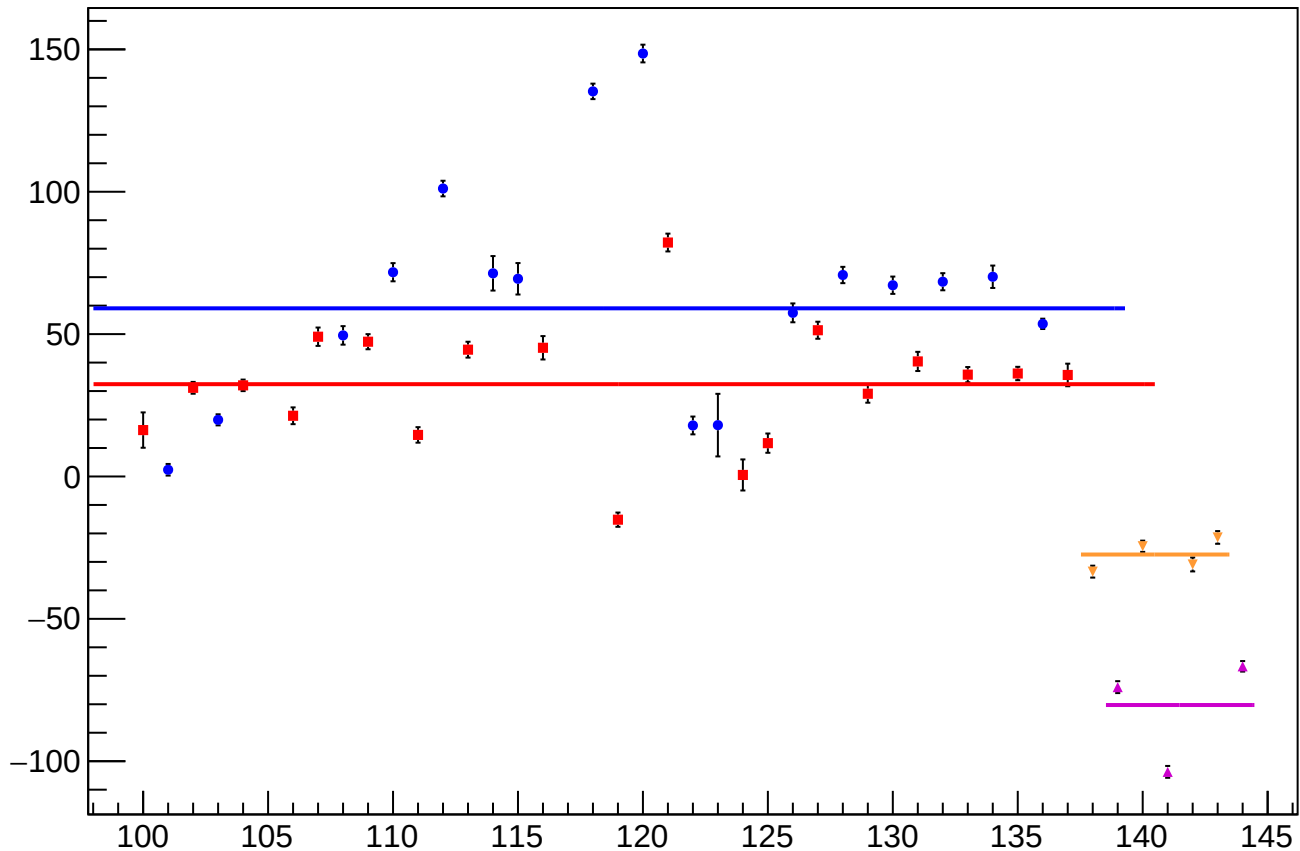
Right: 1607.947 $\pm$ 0.308 χ^2/NDF : 303295.8/35

In: 1519.801 $\pm$ 0.359 χ^2/NDF :286796.2/19

Out: 1496.584 $\pm$ 0.342 χ^2/NDF :322466.3/22

All: 1507.617 $\pm$ 0.248 χ^2/NDF : 611451.3/42

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 59.057+/-0.700 χ^2/NDF : 3293.2/16

Left Out: -27.409+/-1.084 χ^2/NDF : 19.6/3

Right Out: 32.417+/-0.667 χ^2/NDF : 888.1/18

Left In: -80.267+/-1.154 χ^2/NDF : 190.1/2

Left: -52.185+/-0.790 χ^2/NDF : 1325.0/6

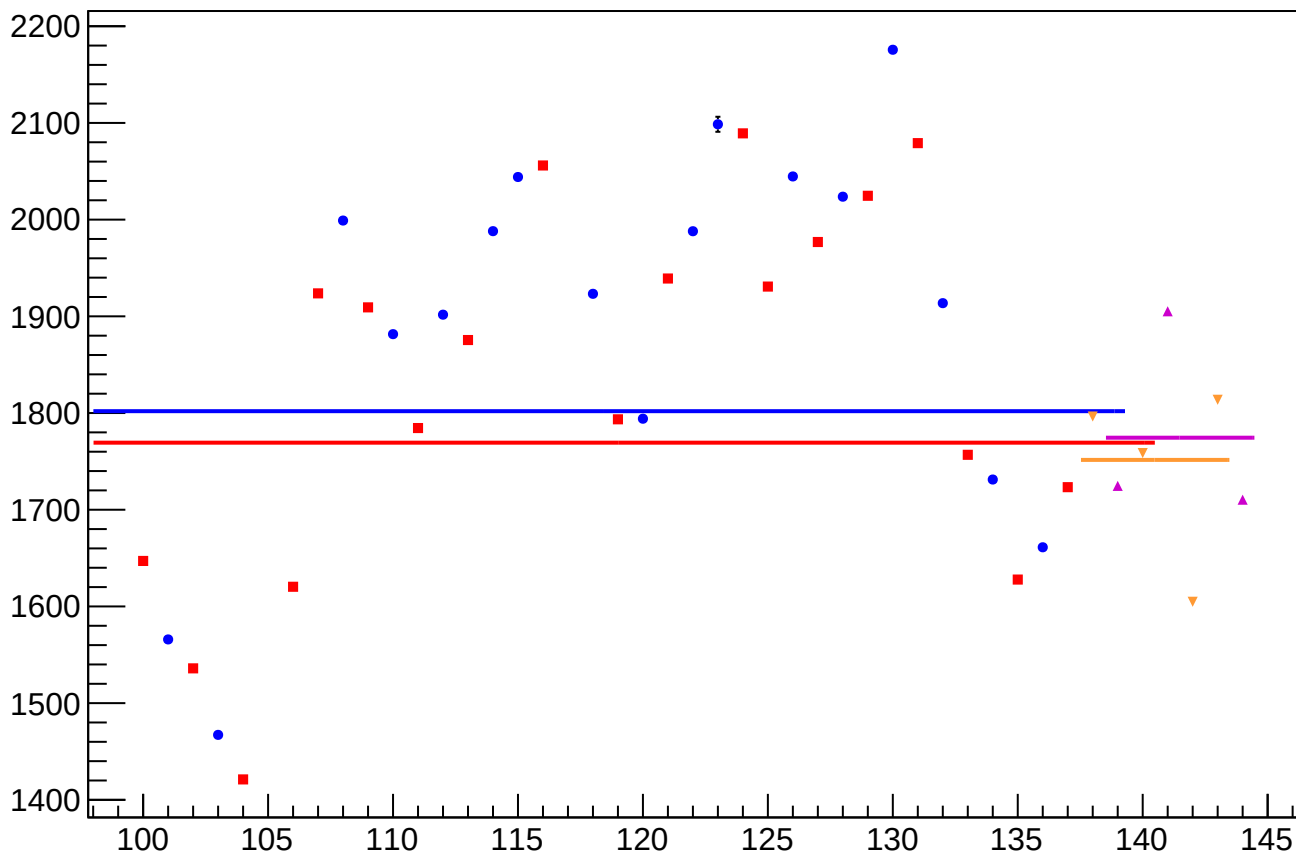
Right: 45.094+/-0.483 χ^2/NDF : 4939.4/35

In: 21.530+/-0.599 χ^2/NDF : 14139.4/19

Out: 15.964+/-0.568 χ^2/NDF : 3117.4/22

All: 18.602+/-0.412 χ^2/NDF : 17302.3/42

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1801.920 $\pm$ 0.495 χ^2/NDF : 183555.8/16

Left Out: 1751.532 $\pm$ 0.766 χ^2/NDF : 9682.4/3

Right Out: 1769.354 $\pm$ 0.472 χ^2/NDF : 177813.0/18

Left In: 1774.490 $\pm$ 0.816 χ^2/NDF : 11415.4/2

Left: 1762.293 $\pm$ 0.559 χ^2/NDF : 21518.6/6

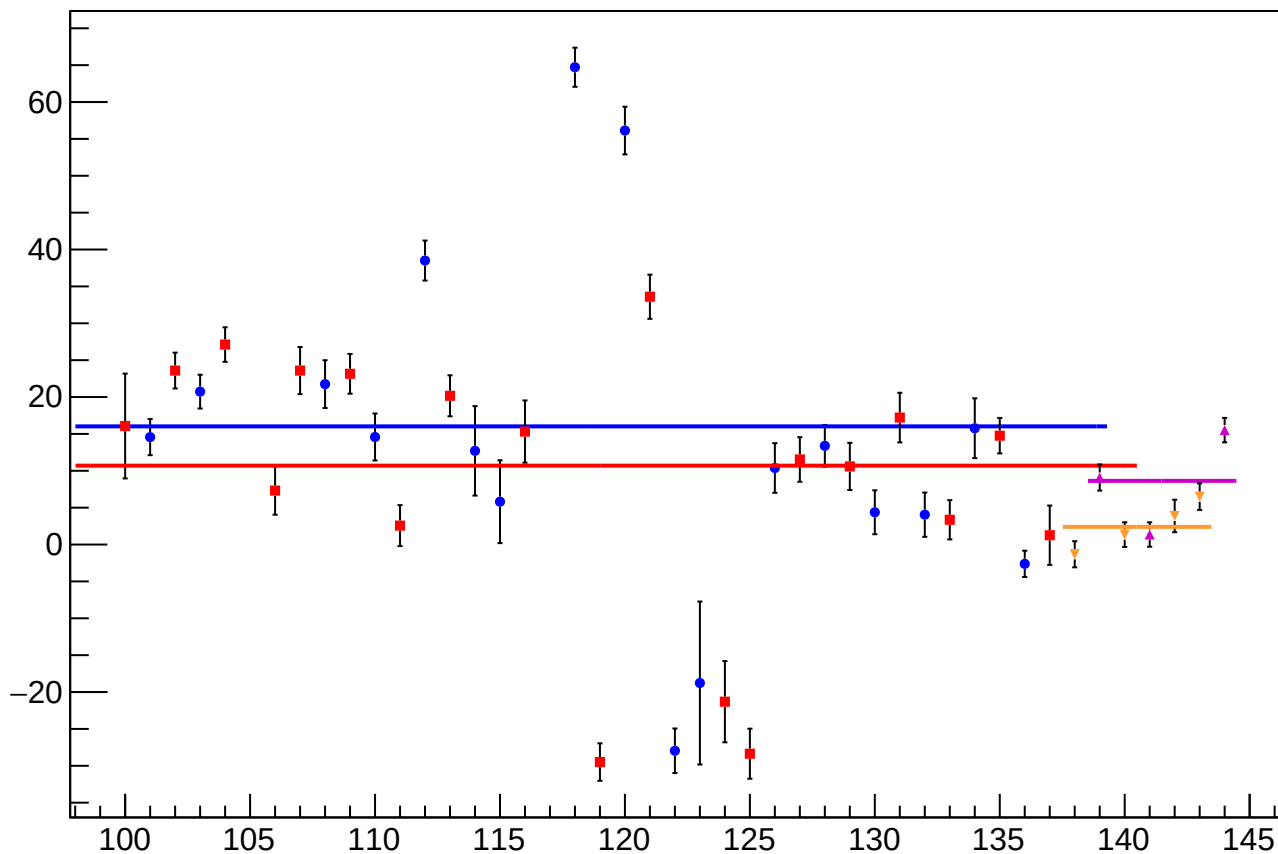
Right: 1784.851 $\pm$ 0.342 χ^2/NDF : 363634.8/35

In: 1794.532 $\pm$ 0.423 χ^2/NDF : 195797.3/19

Out: 1764.452 $\pm$ 0.402 χ^2/NDF : 187887.6/22

All: 1778.708 $\pm$ 0.291 χ^2/NDF : 386340.4/42

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.023 $\pm$ 0.723 χ^2 /NDF: 938.1/16

Left Out: 2.397 $\pm$ 0.916 χ^2 /NDF:10.4/3

Right Out: 10.695 $\pm$ 0.694 χ^2 /NDF: 632.7/18

Left In: 8.636 $\pm$ 0.977 χ^2 /NDF:36.6/2

Left: 5.317 $\pm$ 0.668 χ^2 /NDF: 68.7/6

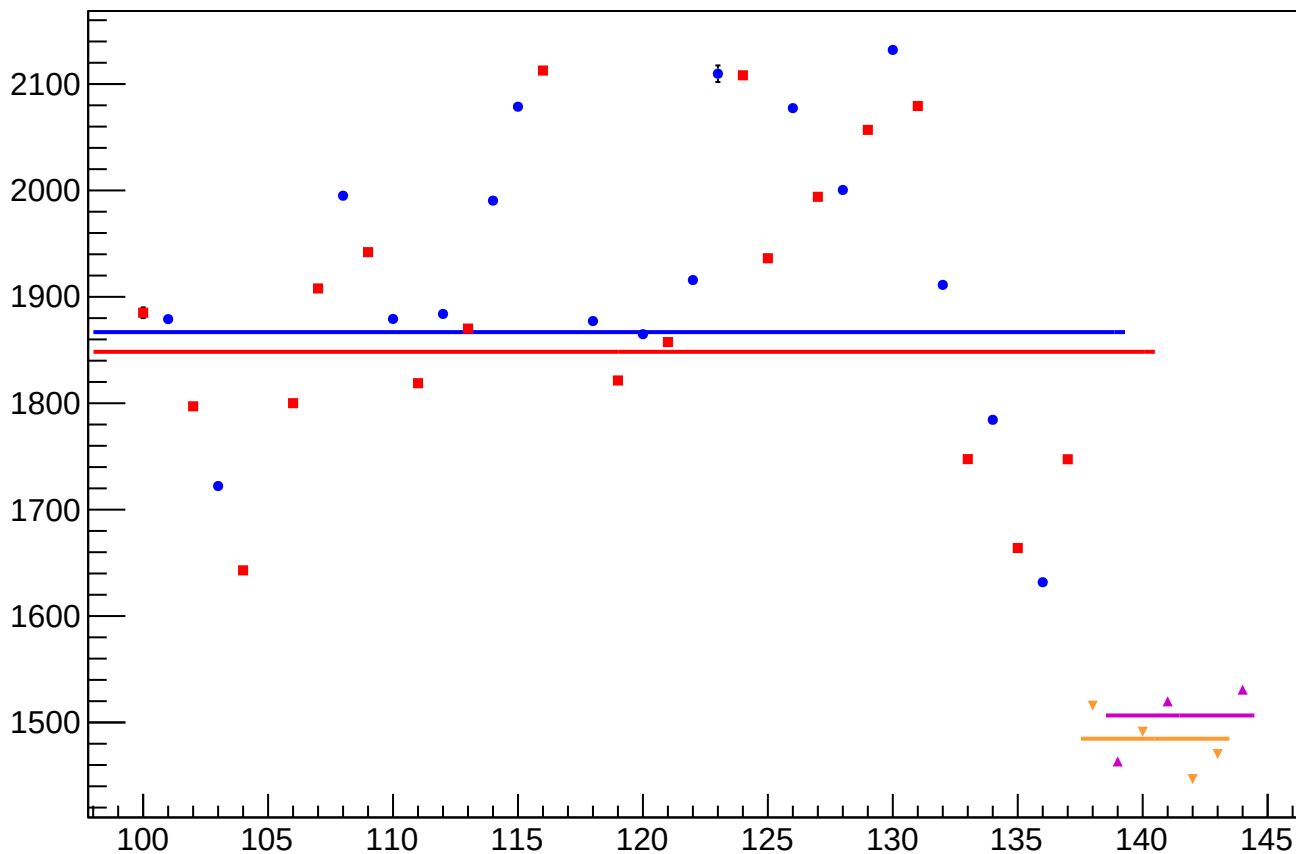
Right: 13.253 $\pm$ 0.501 χ^2 /NDF: 1599.1/35

In: 13.411 $\pm$ 0.581 χ^2 /NDF:1011.7/19

Out: 7.668 $\pm$ 0.553 χ^2 /NDF:695.2/22

All: 10.400 $\pm$ 0.401 χ^2 /NDF: 1758.1/42

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1866.855 $\pm$ 0.511 χ^2 /NDF: 80657.5/16

Left Out: 1484.702 $\pm$ 0.648 χ^2 /NDF:1369.4/3

Right Out: 1848.333 $\pm$ 0.491 χ^2 /NDF: 72586.9/18

Left In: 1506.558 $\pm$ 0.691 χ^2 /NDF:1744.9/2

Left: 1494.931 $\pm$ 0.473 χ^2 /NDF: 3646.6/6

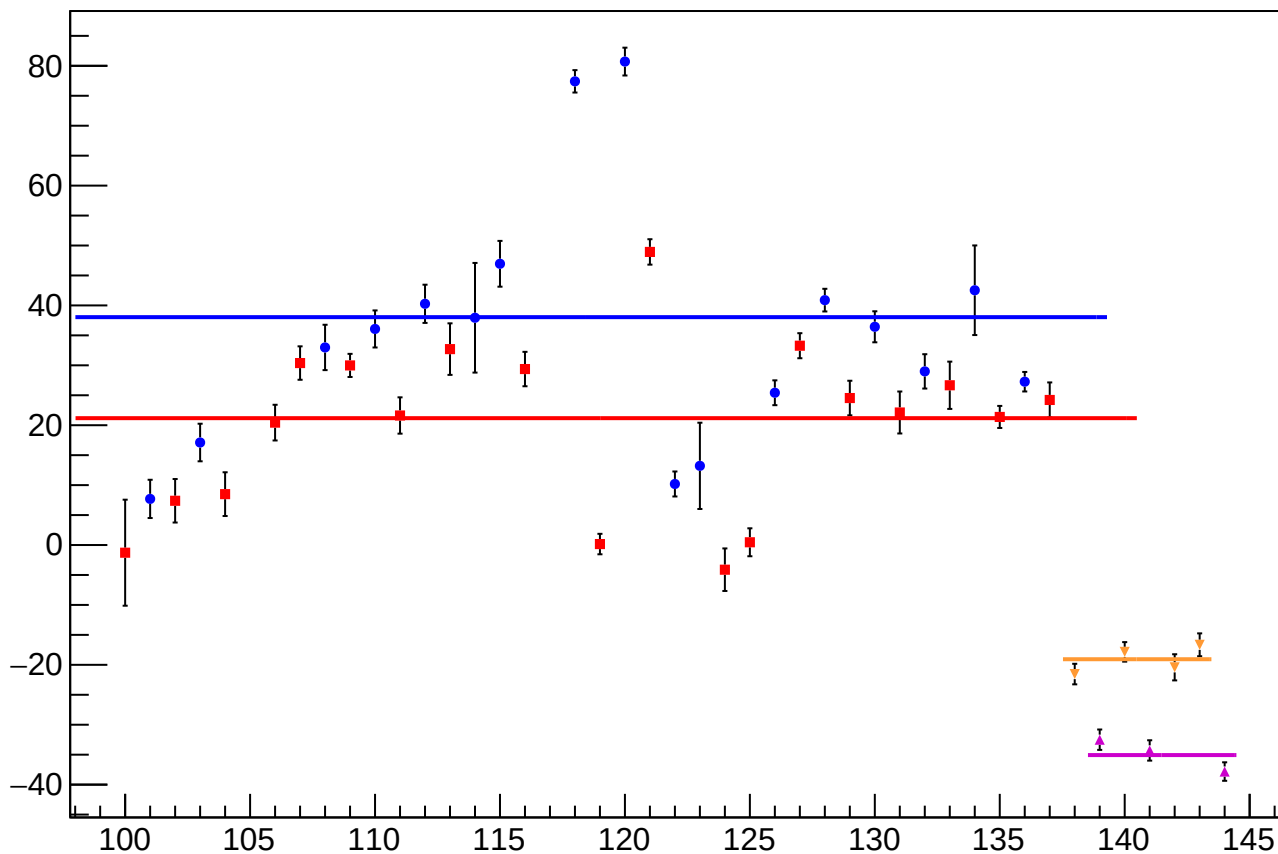
Right: 1857.225 $\pm$ 0.354 χ^2 /NDF: 153927.5/35

In: 1739.451 $\pm$ 0.411 χ^2 /NDF:258180.3/19

Out: 1715.708 $\pm$ 0.391 χ^2 /NDF:273974.2/22

All: 1727.003 $\pm$ 0.283 χ^2 /NDF: 533905.2/42

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 38.041 ± 0.639 $\chi^2/\text{NDF}: 1207.6/16$

Left Out: -19.067 ± 0.912 $\chi^2/\text{NDF}: 4.6/3$

Right Out: 21.178 ± 0.610 $\chi^2/\text{NDF}: 570.0/18$

Left In: -35.067 ± 0.949 $\chi^2/\text{NDF}: 5.7/2$

Left: -26.755 ± 0.658 $\chi^2/\text{NDF}: 158.0/6$

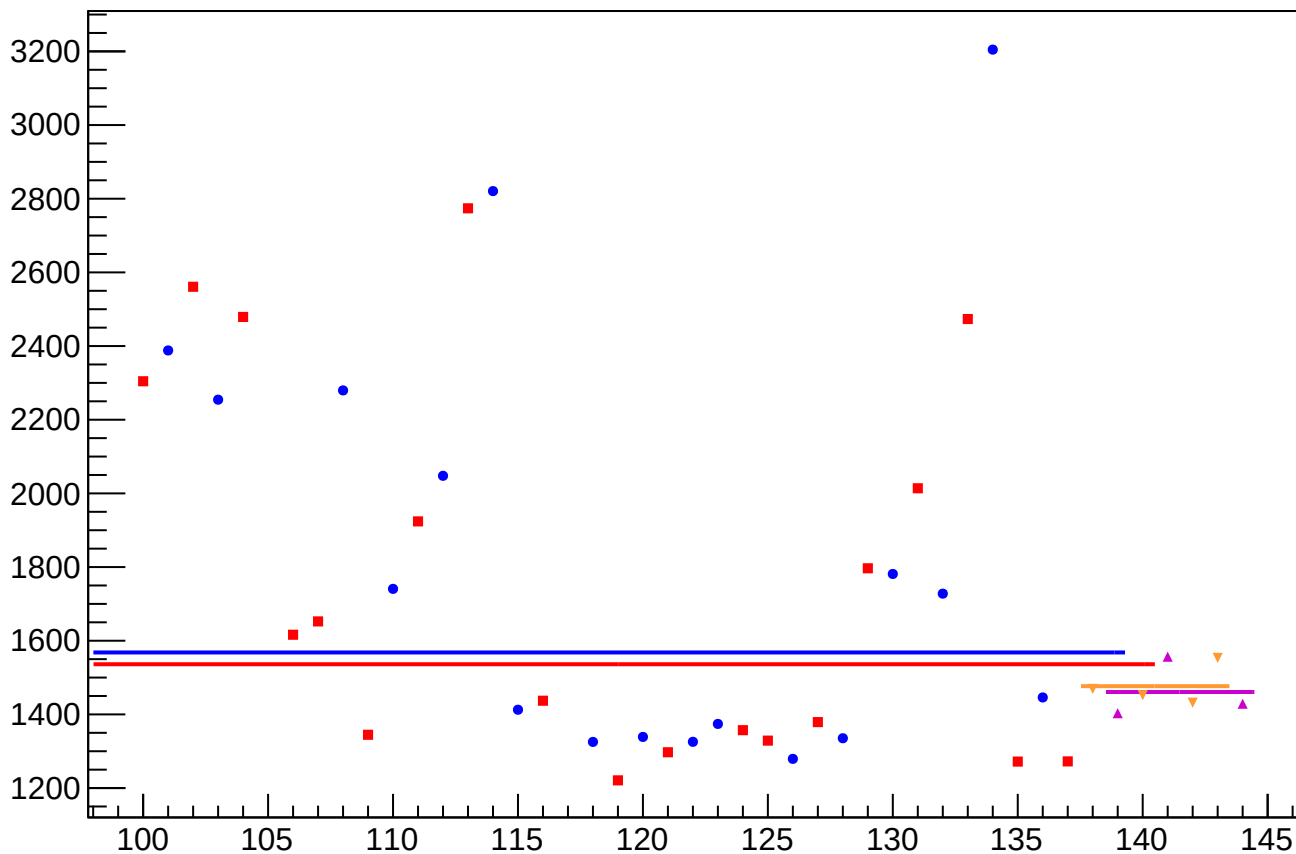
Right: 29.215 ± 0.441 $\chi^2/\text{NDF}: 2142.4/35$

In: 15.238 ± 0.530 $\chi^2/\text{NDF}: 5299.2/19$

Out: 8.760 ± 0.507 $\chi^2/\text{NDF}: 1919.6/22$

All: 11.855 ± 0.366 $\chi^2/\text{NDF}: 7296.8/42$

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1568.172 $\pm$ 0.452 χ^2/NDF : 668072.7/16

Left Out: 1476.635 $\pm$ 0.645 χ^2/NDF : 4574.3/3

Right Out: 1536.208 $\pm$ 0.431 χ^2/NDF : 882312.9/18

Left In: 1460.825 $\pm$ 0.671 χ^2/NDF : 9509.6/2

Left: 1469.037 $\pm$ 0.465 χ^2/NDF : 14372.3/6

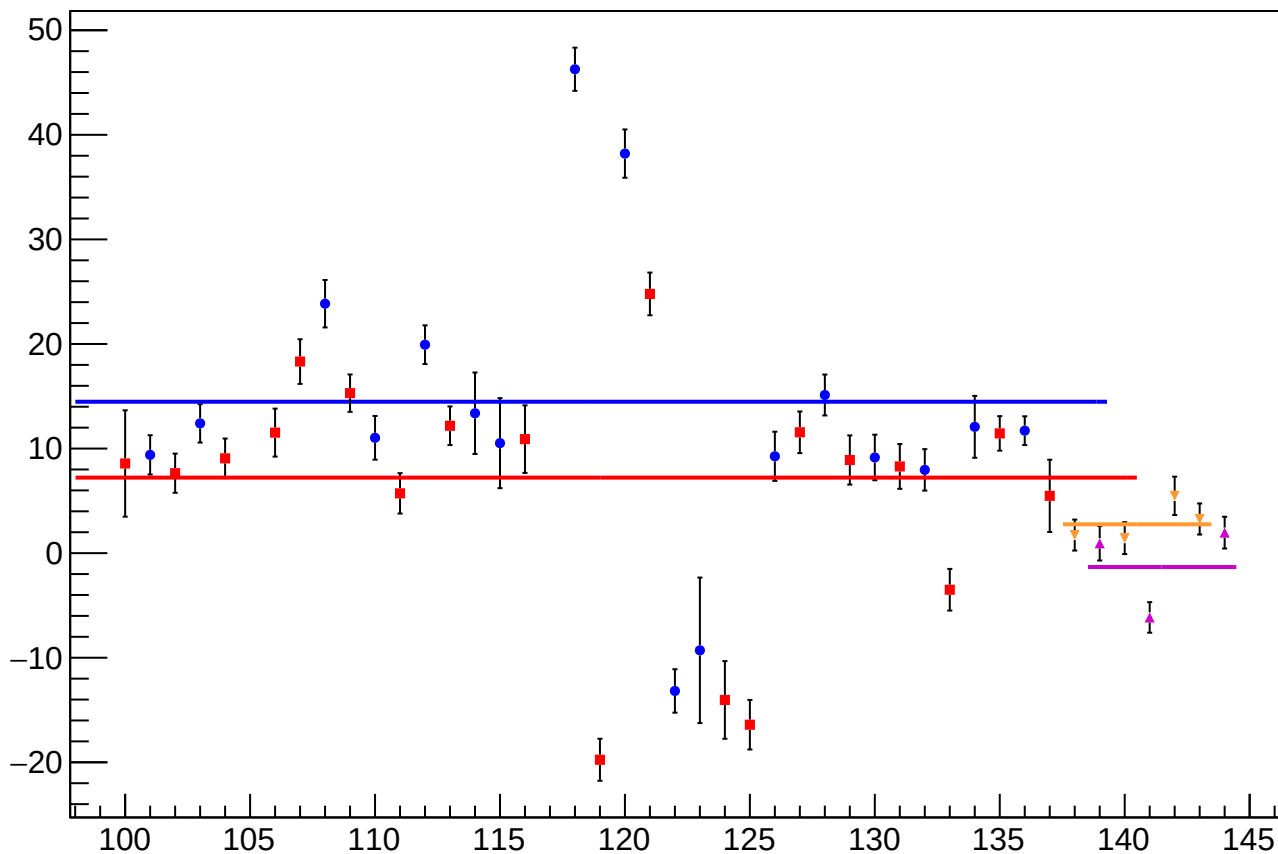
Right: 1551.443 $\pm$ 0.312 χ^2/NDF : 1553006.8/35

In: 1534.689 $\pm$ 0.375 χ^2/NDF : 695200.8/19

Out: 1517.826 $\pm$ 0.358 χ^2/NDF : 892781.5/22

All: 1525.884 $\pm$ 0.259 χ^2/NDF : 1589040.1/42

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.477 $\pm$ 0.524 χ^2 /NDF: 596.5/16

Left Out: 2.756 $\pm$ 0.782 χ^2 /NDF: 3.5/3

Right Out: 7.223 $\pm$ 0.495 χ^2 /NDF: 489.0/18

Left In: -1.324 $\pm$ 0.887 χ^2 /NDF: 17.5/2

Left: 0.971 $\pm$ 0.587 χ^2 /NDF: 33.0/6

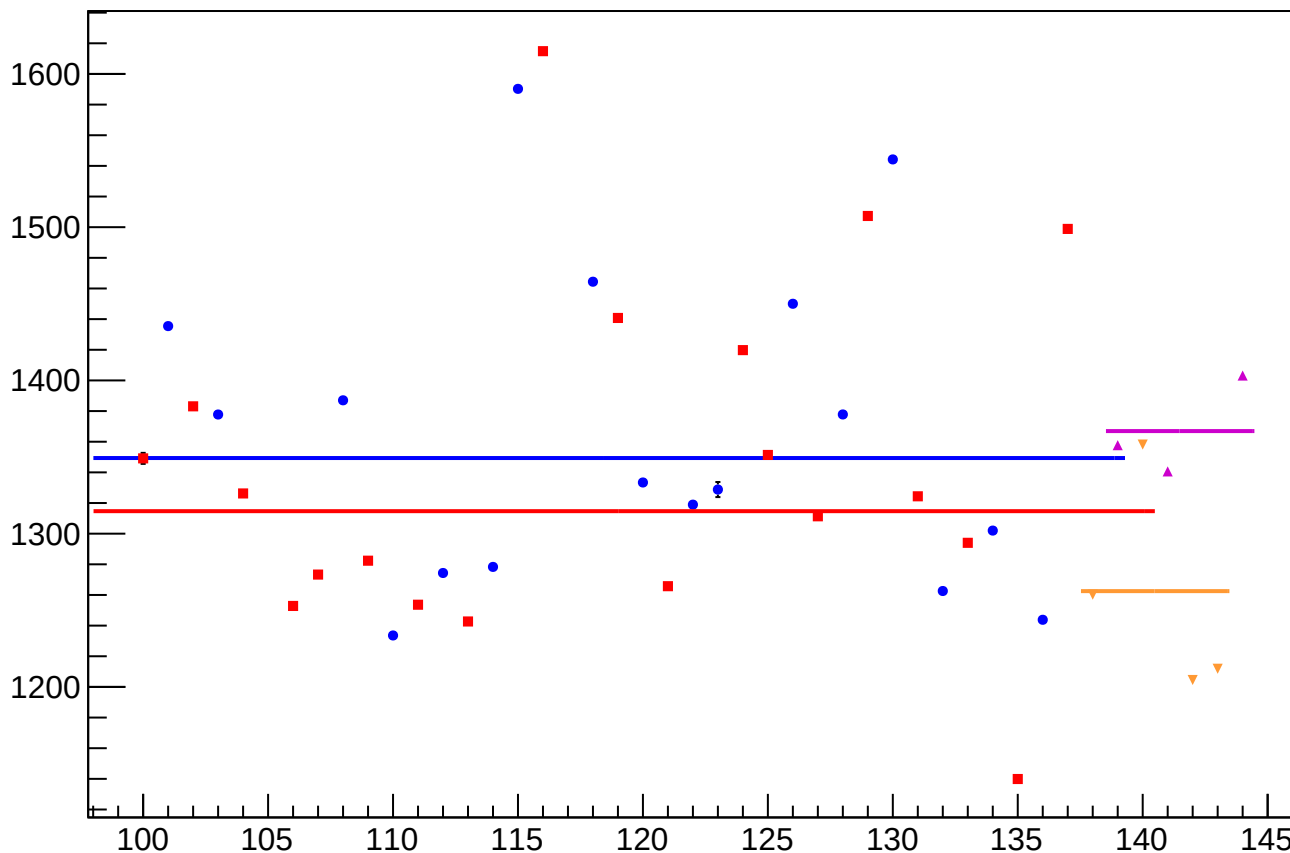
Right: 10.645 $\pm$ 0.360 χ^2 /NDF: 1186.7/35

In: 10.386 $\pm$ 0.451 χ^2 /NDF: 849.4/19

Out: 5.945 $\pm$ 0.418 χ^2 /NDF: 515.8/22

All: 7.999 $\pm$ 0.307 χ^2 /NDF: 1417.3/42

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.357 $\pm$ 0.371 χ^2/NDF : 64580.7/16

Left Out: 1262.504 $\pm$ 0.553 χ^2/NDF : 12197.9/3

Right Out: 1314.682 $\pm$ 0.350 χ^2/NDF : 80983.6/18

Left In: 1366.942 $\pm$ 0.627 χ^2/NDF : 1852.1/2

Left: 1308.203 $\pm$ 0.415 χ^2/NDF : 29655.6/6

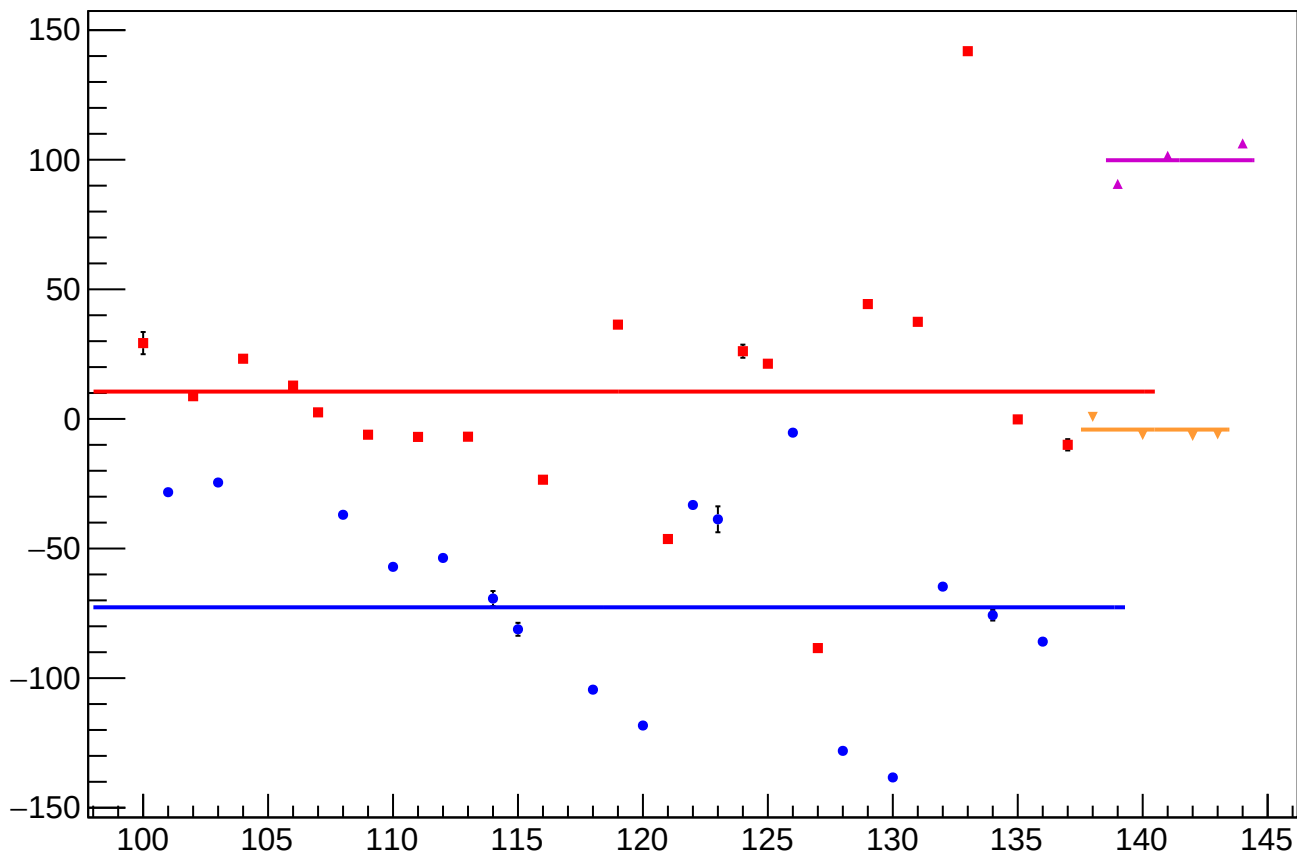
Right: 1331.041 $\pm$ 0.255 χ^2/NDF : 150189.5/35

In: 1353.910 $\pm$ 0.319 χ^2/NDF : 67015.8/19

Out: 1299.747 $\pm$ 0.296 χ^2/NDF : 99535.5/22

All: 1324.792 $\pm$ 0.217 χ^2/NDF : 182047.7/42

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.674 ± 0.363 $\chi^2/\text{NDF}: 11603.9/16$

Left Out: -4.106 ± 0.573 $\chi^2/\text{NDF}: 31.5/3$

Right Out: 10.552 ± 0.353 $\chi^2/\text{NDF}: 18145.5/18$

Left In: 99.808 ± 0.601 $\chi^2/\text{NDF}: 113.8/2$

Left: 45.373 ± 0.415 $\chi^2/\text{NDF}: 15798.7/6$

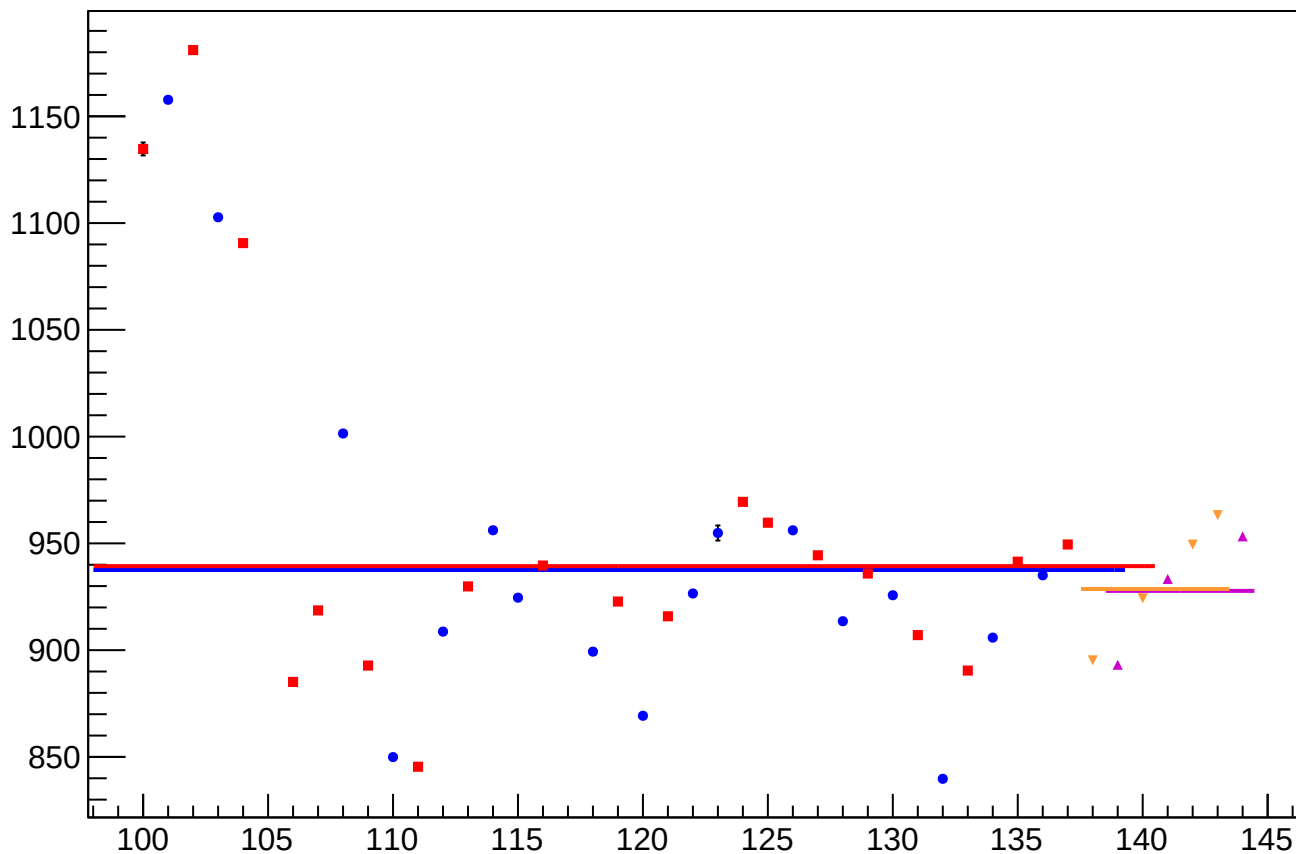
Right: -29.893 ± 0.253 $\chi^2/\text{NDF}: 56765.3/35$

In: -26.580 ± 0.311 $\chi^2/\text{NDF}: 72043.6/19$

Out: 6.521 ± 0.301 $\chi^2/\text{NDF}: 18651.3/22$

All: -9.477 ± 0.216 $\chi^2/\text{NDF}: 96557.1/42$

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.550 $\pm$ 0.257 χ^2 /NDF: 98231.3/16

Left Out: 928.644 $\pm$ 0.405 χ^2 /NDF: 4211.1/3

Right Out: 939.341 $\pm$ 0.250 χ^2 /NDF: 90084.9/18

Left In: 927.756 $\pm$ 0.425 χ^2 /NDF: 3331.7/2

Left: 928.221 $\pm$ 0.293 χ^2 /NDF: 7545.1/6

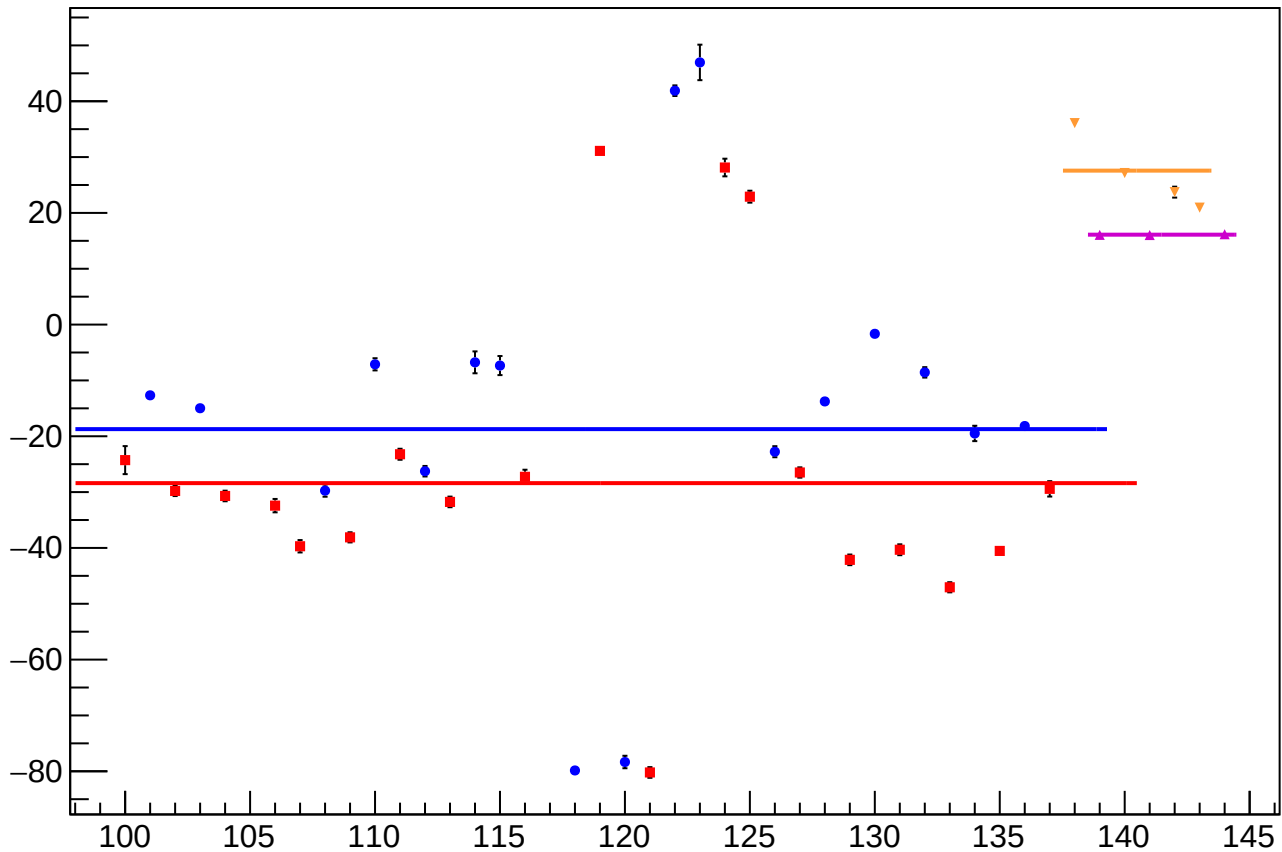
Right: 938.471 $\pm$ 0.179 χ^2 /NDF: 188341.3/35

In: 934.932 $\pm$ 0.220 χ^2 /NDF: 101952.0/19

Out: 936.399 $\pm$ 0.213 χ^2 /NDF: 94801.1/22

All: 935.690 $\pm$ 0.153 χ^2 /NDF: 196776.2/42

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -18.723 $\pm$ 0.243 χ^2 /NDF: 12999.6/16

Left Out: 27.572 $\pm$ 0.394 χ^2 /NDF:220.0/3

Right Out: -28.395 $\pm$ 0.236 χ^2 /NDF: 12424.6/18

Left In: 16.102 $\pm$ 0.419 χ^2 /NDF:0.0/2

Left: 22.187 $\pm$ 0.287 χ^2 /NDF: 617.0/6

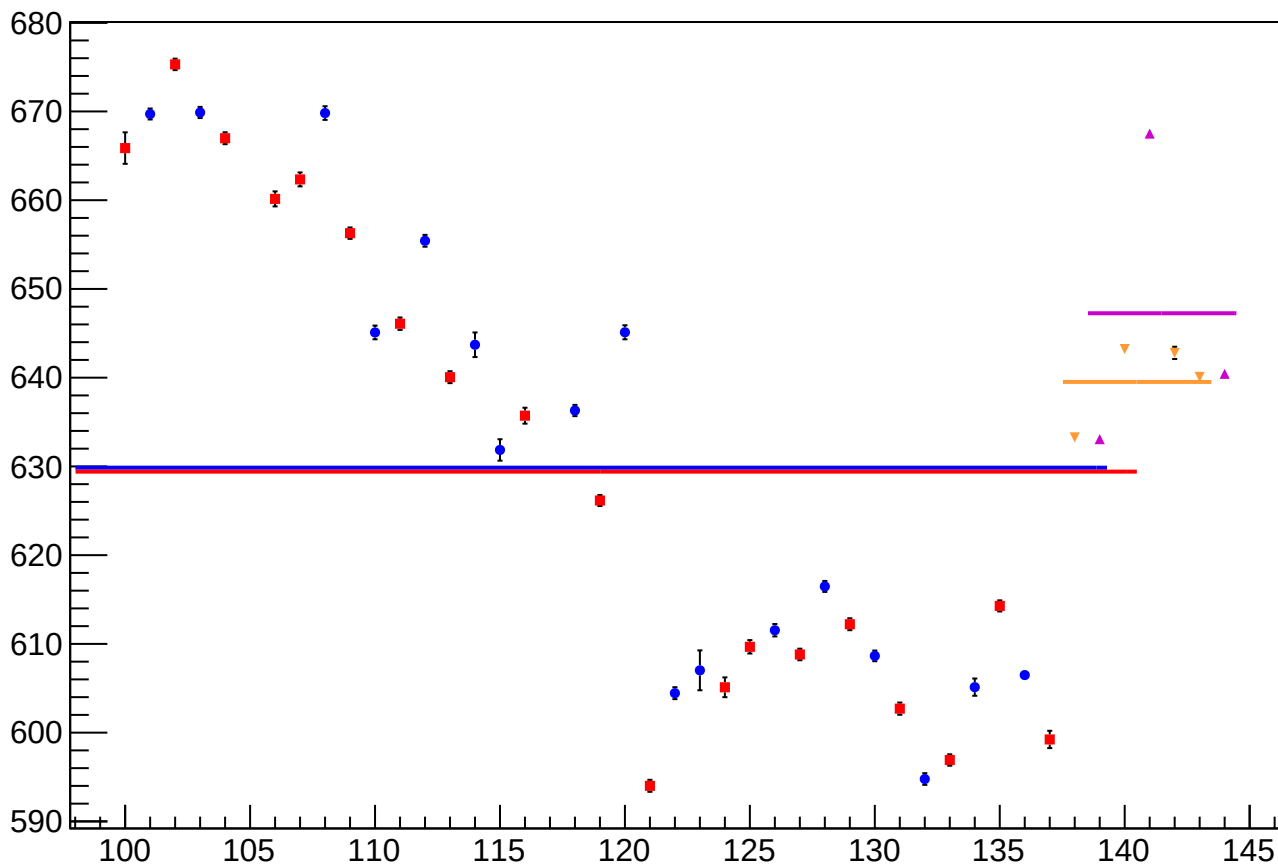
Right: -23.705 $\pm$ 0.169 χ^2 /NDF: 26239.5/35

In: -9.962 $\pm$ 0.210 χ^2 /NDF:18161.9/19

Out: -13.654 $\pm$ 0.202 χ^2 /NDF:27473.2/22

All: -11.878 $\pm$ 0.146 χ^2 /NDF: 45795.1/42

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.857 $\pm$ 0.172 χ^2 /NDF: 23252.7/16

Left Out: 639.521 $\pm$ 0.279 χ^2 /NDF:219.5/3

Right Out: 629.413 $\pm$ 0.167 χ^2 /NDF: 25484.3/18

Left In: 647.258 $\pm$ 0.297 χ^2 /NDF:2432.6/2

Left: 643.153 $\pm$ 0.203 χ^2 /NDF: 3013.3/6

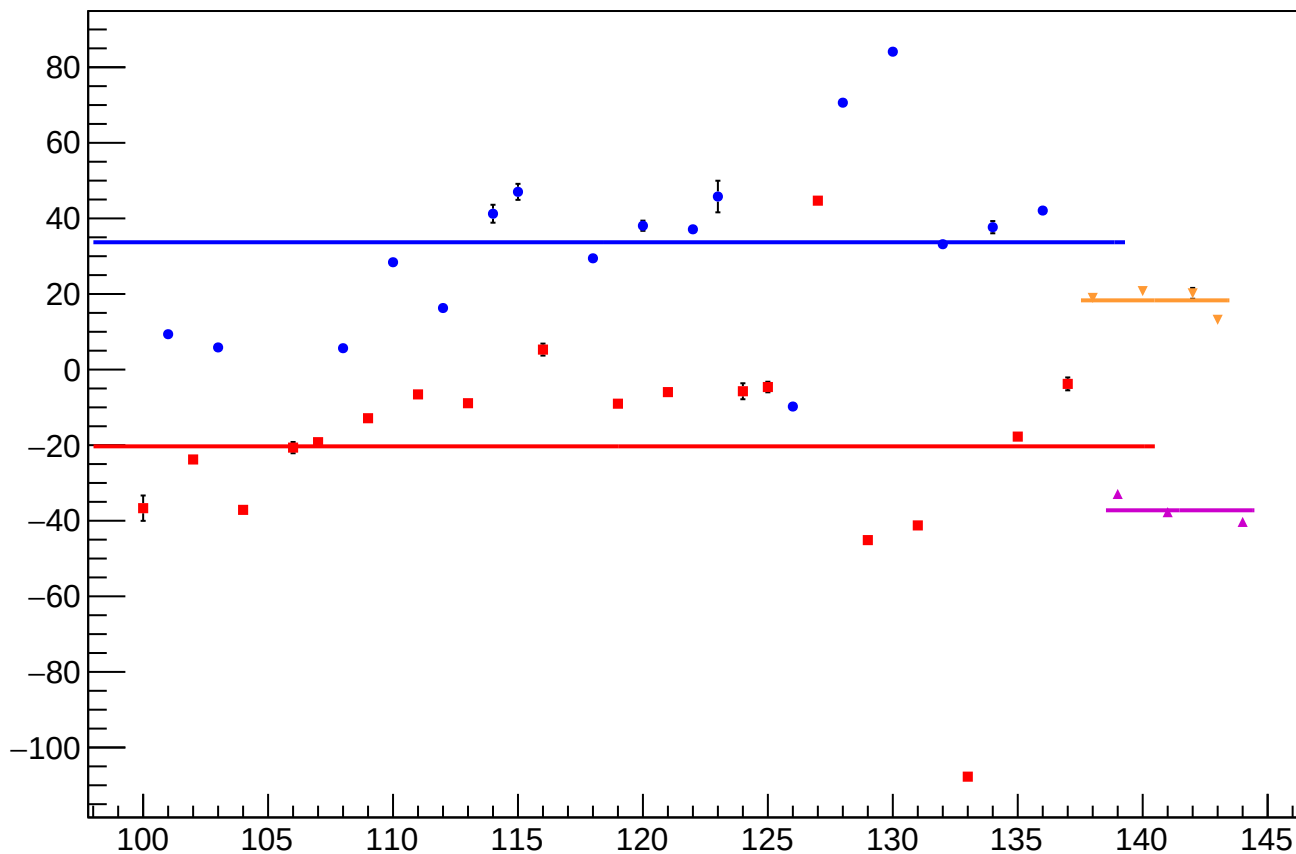
Right: 629.628 $\pm$ 0.120 χ^2 /NDF: 48740.5/35

In: 634.235 $\pm$ 0.149 χ^2 /NDF:28262.9/19

Out: 632.075 $\pm$ 0.143 χ^2 /NDF:26671.3/22

All: 633.114 $\pm$ 0.103 χ^2 /NDF: 55043.7/42

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 33.692 +/- 0.300 χ^2/NDF : 6428.2/16

Left Out: 18.317 +/- 0.598 χ^2/NDF : 25.0/3

Right Out: -20.314 +/- 0.293 χ^2/NDF : 11278.0/18

Left In: -37.237 +/- 0.631 χ^2/NDF : 22.5/2

Left: -7.985 +/- 0.434 χ^2/NDF : 4135.4/6

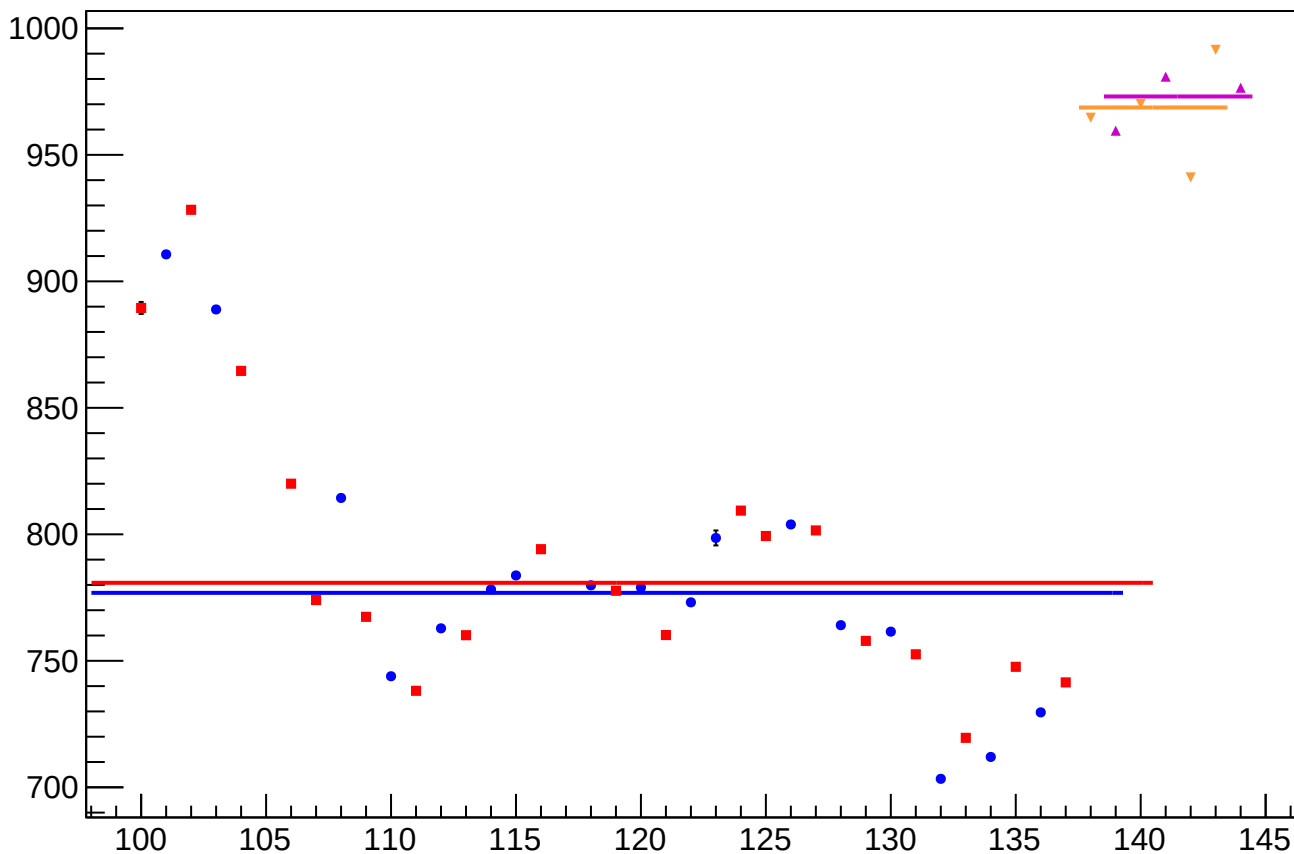
Right: 6.016 +/- 0.210 χ^2/NDF : 34265.5/35

In: 20.568 +/- 0.271 χ^2/NDF : 16764.3/19

Out: -12.831 +/- 0.263 χ^2/NDF : 14669.4/22

All: 3.363 +/- 0.189 χ^2/NDF : 39245.1/42

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 776.869 $\pm$ 0.212 χ^2 /NDF: 67447.3/16

Left Out: 968.728 $\pm$ 0.423 χ^2 /NDF:1474.4/3

Right Out: 780.840 $\pm$ 0.207 χ^2 /NDF: 57297.9/18

Left In: 973.073 $\pm$ 0.446 χ^2 /NDF:399.3/2

Left: 970.785 $\pm$ 0.307 χ^2 /NDF: 1923.8/6

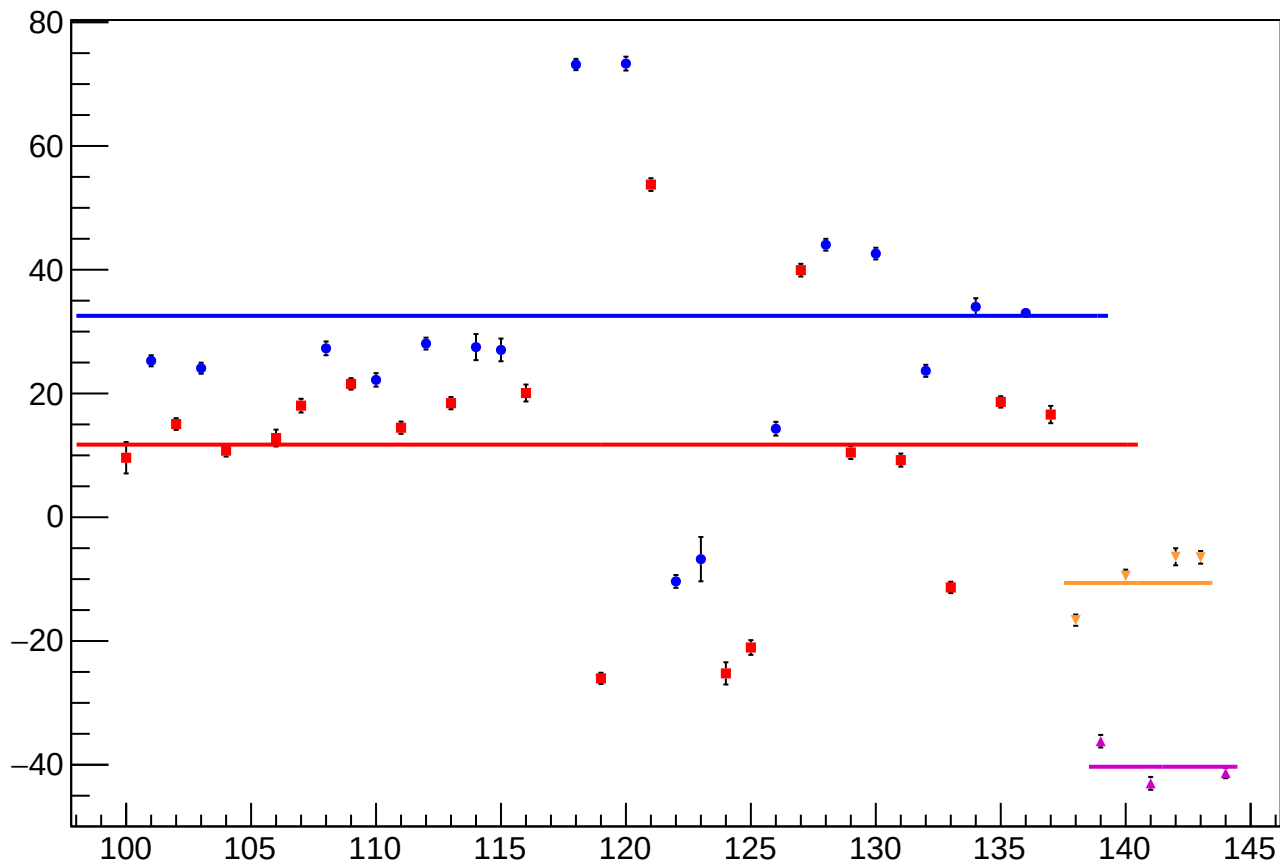
Right: 778.904 $\pm$ 0.148 χ^2 /NDF: 124924.2/35

In: 813.174 $\pm$ 0.192 χ^2 /NDF:225683.6/19

Out: 817.234 $\pm$ 0.186 χ^2 /NDF:218036.8/22

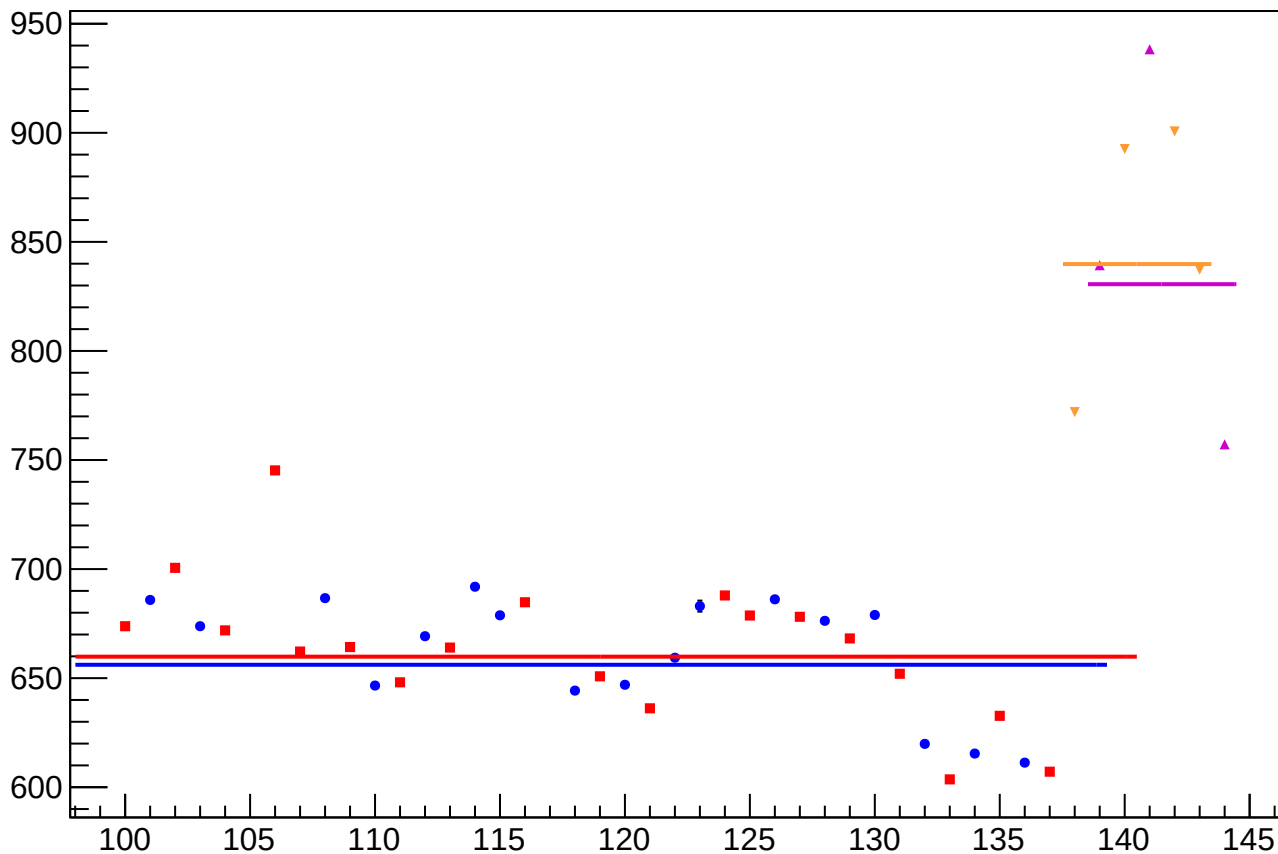
All: 815.265 $\pm$ 0.134 χ^2 /NDF: 443951.4/42

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Left: -24.768 +/- 0.377 χ^2/NDF : 1642.3/6
 Right: 21.899 +/- 0.177 χ^2/NDF : 15845.9/35
 In: 19.664 +/- 0.230 χ^2/NDF : 20738.1/19
 Out: 7.629 +/- 0.224 χ^2/NDF : 7883.9/22
 All: 13.480 +/- 0.160 χ^2/NDF : 30031.5/42

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 656.132 ± 0.179 χ^2/NDF : 23518.0/16

Left Out: 839.825 ± 0.369 χ^2/NDF : 20585.6/3

Right Out: 659.855 ± 0.175 χ^2/NDF : 28270.5/18

Left In: 830.607 ± 0.386 χ^2/NDF : 37272.4/2

Left: 835.433 ± 0.267 χ^2/NDF : 58155.9/6

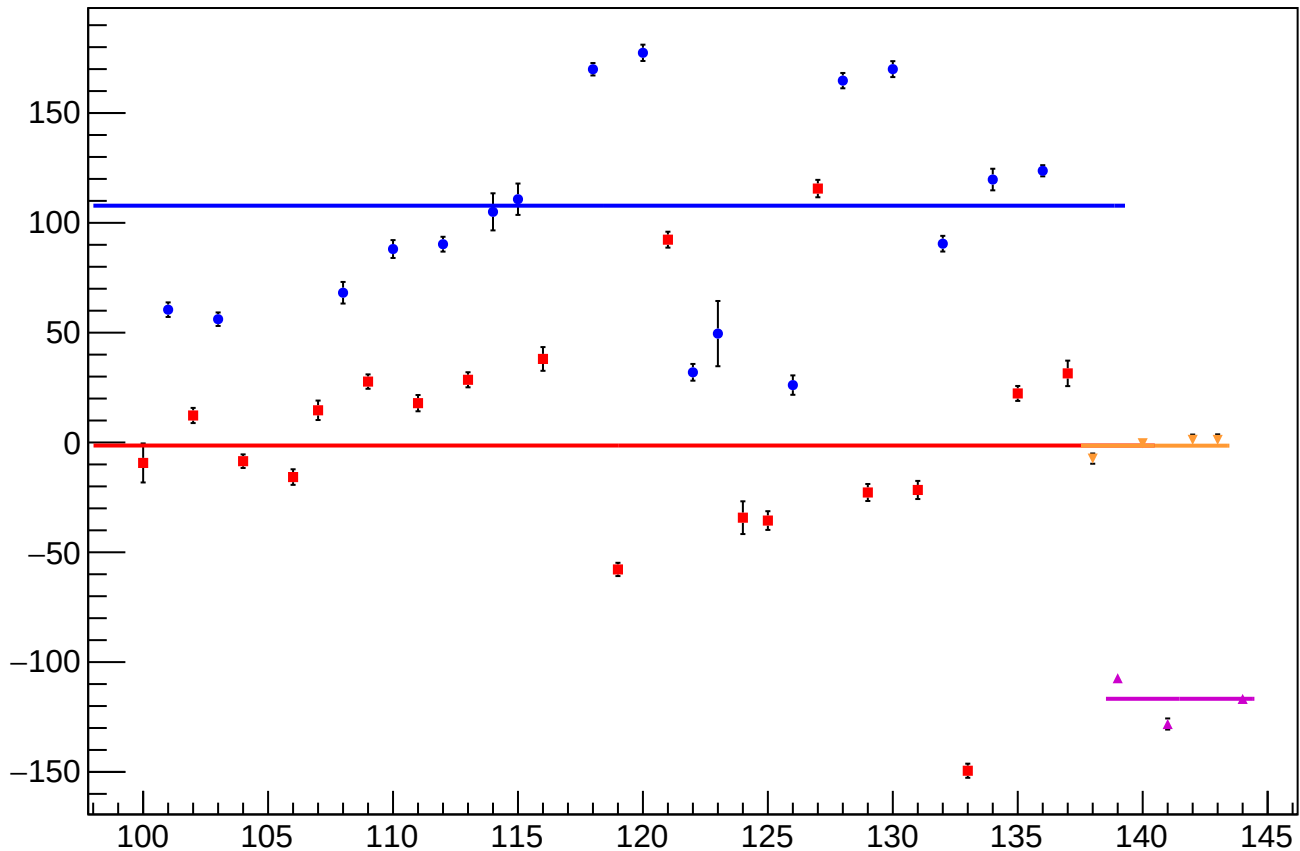
Right: 658.037 ± 0.125 χ^2/NDF : 52009.7/35

In: 686.984 ± 0.162 χ^2/NDF : 228606.0/19

Out: 692.935 ± 0.158 χ^2/NDF : 243368.8/22

All: 690.042 ± 0.113 χ^2/NDF : 472663.9/42

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.816 $\pm$ 0.923 χ^2/NDF : 2815.8/16

Left Out: -1.454 $\pm$ 1.182 χ^2/NDF : 8.9/3

Right Out: -1.388 $\pm$ 0.885 χ^2/NDF : 4515.0/18

Left In: -116.705 $\pm$ 1.238 χ^2/NDF : 37.5/2

Left: -56.438 $\pm$ 0.855 χ^2/NDF : 4580.5/6

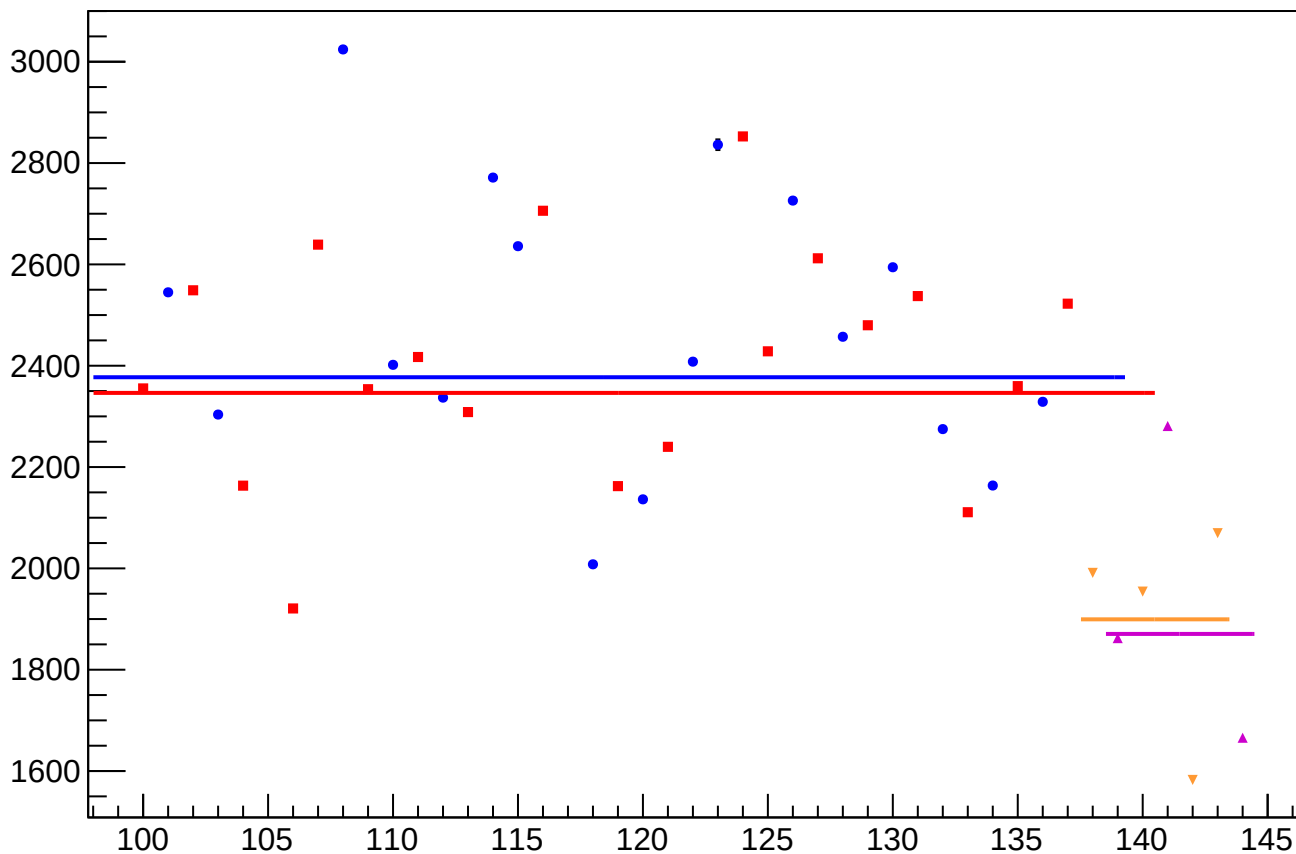
Right: 50.907 $\pm$ 0.639 χ^2/NDF : 14624.3/35

In: 27.567 $\pm$ 0.740 χ^2/NDF : 23998.6/19

Out: -1.411 $\pm$ 0.708 χ^2/NDF : 4523.9/22

All: 12.447 $\pm$ 0.512 χ^2/NDF : 29322.8/42

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2377.271 $\pm$ 0.653 χ^2 /NDF: 119441.2/16

Left Out: 1899.433 $\pm$ 0.836 χ^2 /NDF: 47805.0/3

Right Out: 2346.354 $\pm$ 0.626 χ^2 /NDF: 108612.6/18

Left In: 1870.639 $\pm$ 0.875 χ^2 /NDF: 78027.7/2

Left: 1885.696 $\pm$ 0.604 χ^2 /NDF: 126398.7/6

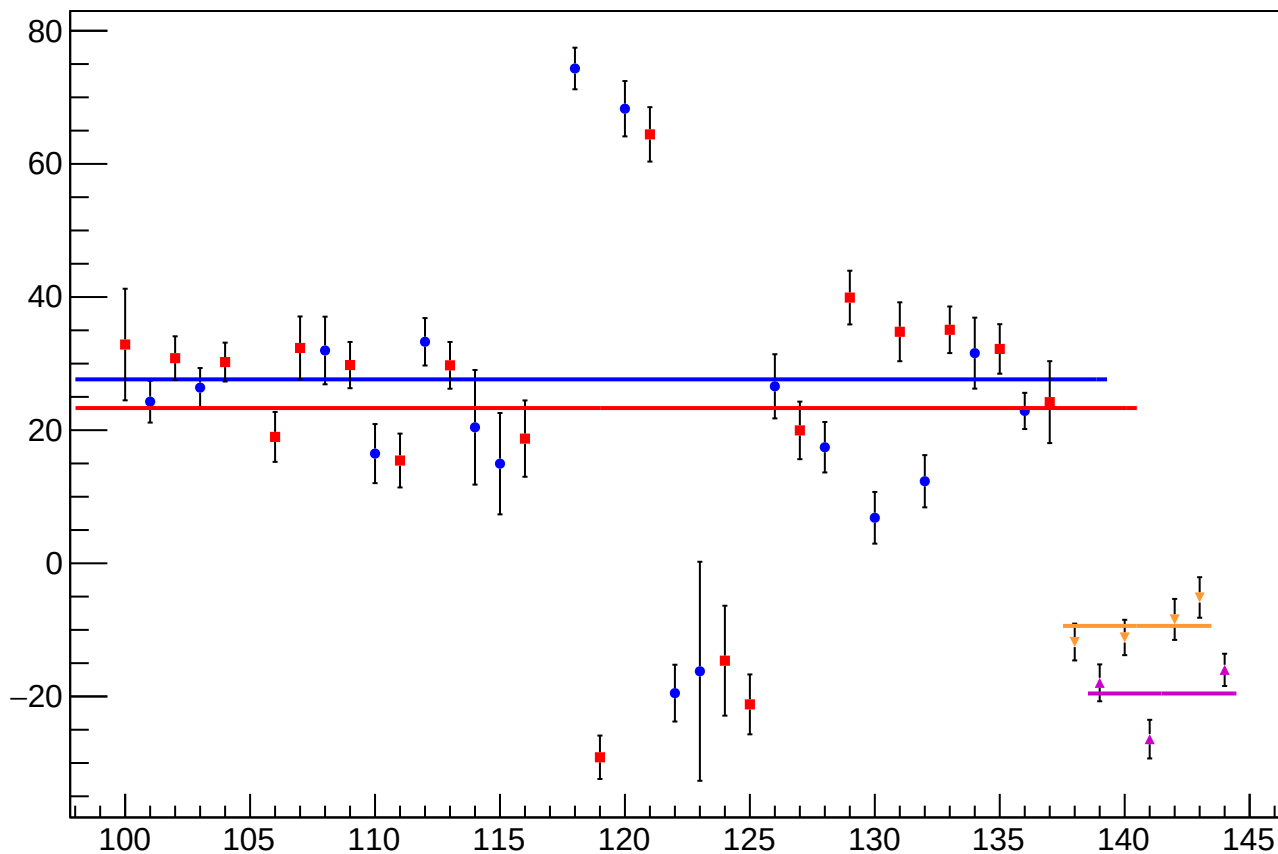
Right: 2361.159 $\pm$ 0.452 χ^2 /NDF: 229223.0/35

In: 2196.190 $\pm$ 0.523 χ^2 /NDF: 412806.0/19

Out: 2185.876 $\pm$ 0.501 χ^2 /NDF: 339612.5/22

All: 2190.808 $\pm$ 0.362 χ^2 /NDF: 752621.2/42

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.633 ± 0.976 $\chi^2/\text{NDF}: 517.1/16$

Left Out: -9.402 ± 1.435 $\chi^2/\text{NDF}: 3.3/3$

Right Out: 23.322 ± 0.929 $\chi^2/\text{NDF}: 548.2/18$

Left In: -19.556 ± 1.544 $\chi^2/\text{NDF}: 8.1/2$

Left: -14.106 ± 1.051 $\chi^2/\text{NDF}: 34.5/6$

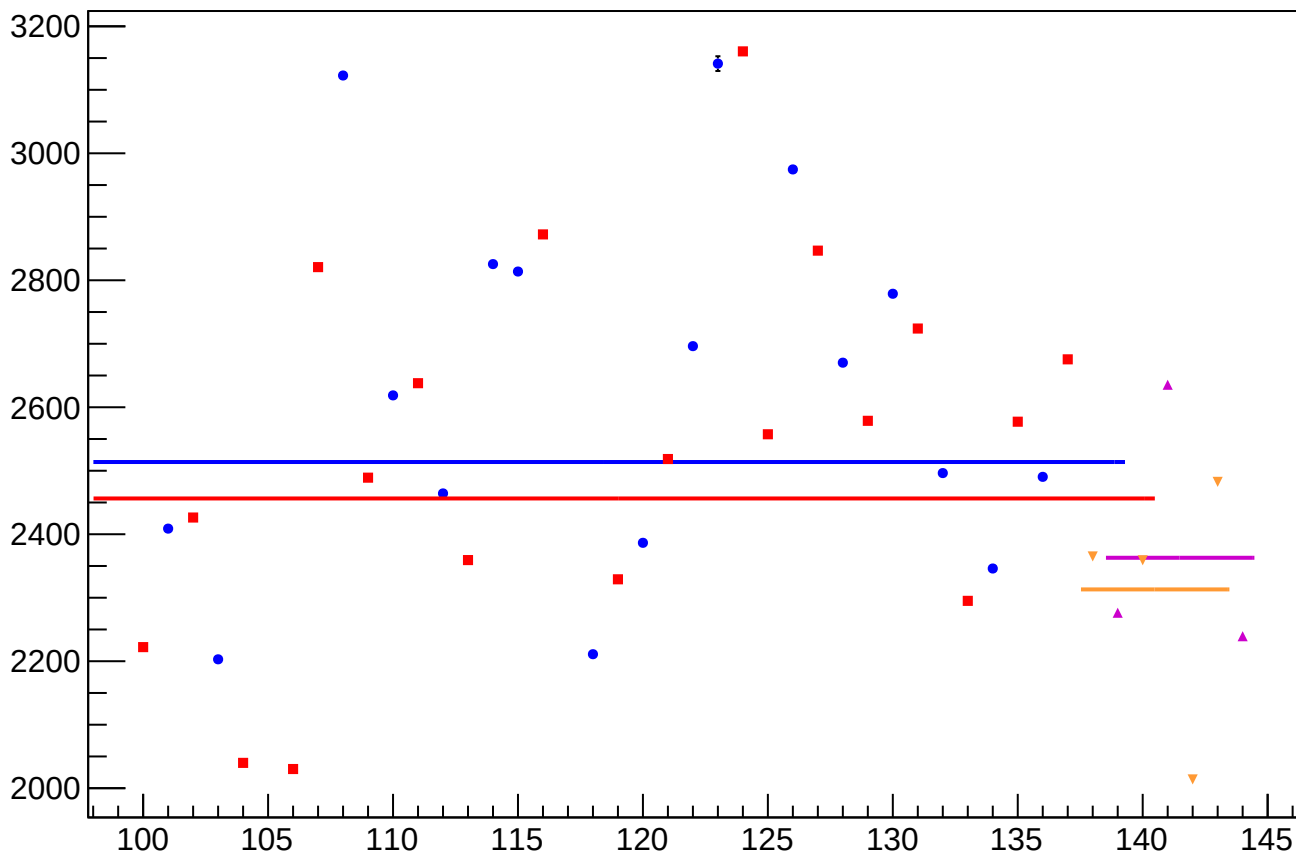
Right: 25.369 ± 0.673 $\chi^2/\text{NDF}: 1075.6/35$

In: 14.154 ± 0.825 $\chi^2/\text{NDF}: 1192.4/19$

Out: 13.660 ± 0.779 $\chi^2/\text{NDF}: 918.2/22$

All: 13.893 ± 0.567 $\chi^2/\text{NDF}: 2110.8/42$

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2513.762 $\pm$ 0.690 χ^2 /NDF: 120863.4/16

Left Out: 2313.101 $\pm$ 1.014 χ^2 /NDF: 26390.3/3

Right Out: 2456.343 $\pm$ 0.657 χ^2 /NDF: 149877.3/18

Left In: 2362.938 $\pm$ 1.092 χ^2 /NDF: 24788.7/2

Left: 2336.190 $\pm$ 0.743 χ^2 /NDF: 52297.3/6

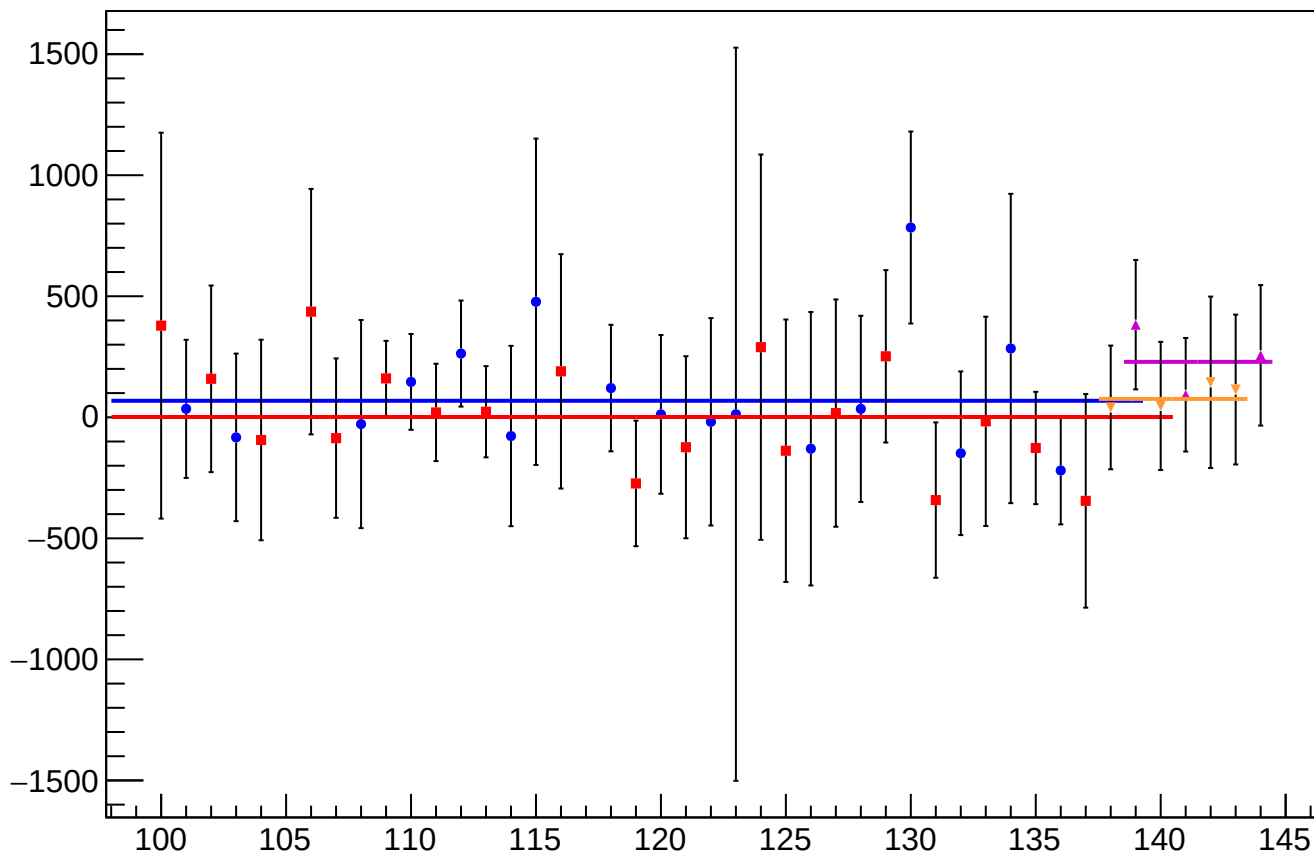
Right: 2483.612 $\pm$ 0.476 χ^2 /NDF: 274372.9/35

In: 2470.682 $\pm$ 0.584 χ^2 /NDF: 159284.3/19

Out: 2414.051 $\pm$ 0.551 χ^2 /NDF: 190320.8/22

All: 2440.754 $\pm$ 0.401 χ^2 /NDF: 354582.8/42

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 68.238+/-79.240 χ^2/NDF : 7.4/16

Left Out: 75.902+/-144.324 χ^2/NDF : 0.1/3

Right Out: 1.201+/-69.991 χ^2/NDF : 6.5/18

Left In: 228.981+/-150.672 χ^2/NDF : 0.7/2

Left: 149.149+/-104.224 χ^2/NDF : 1.3/6

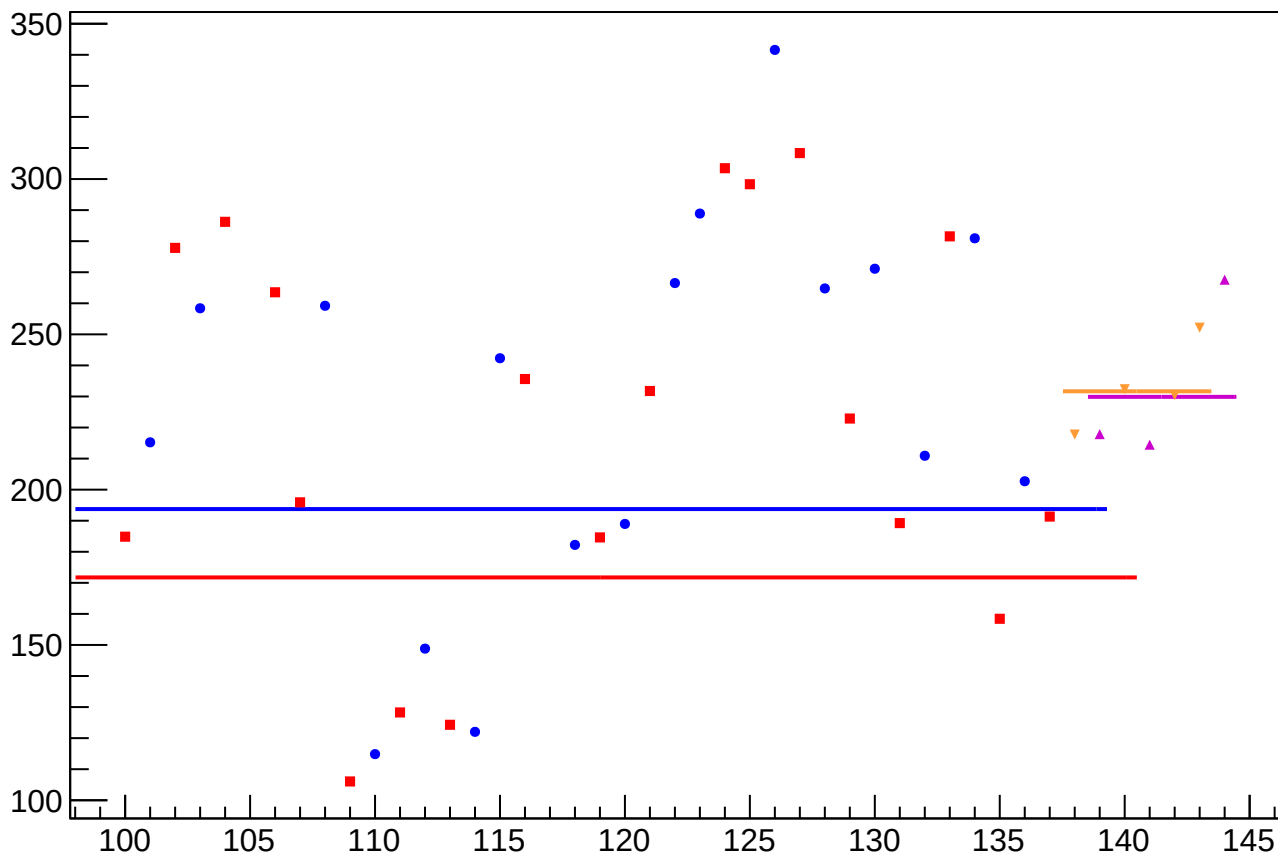
Right: 30.580+/-52.458 χ^2/NDF : 14.3/35

In: 103.064+/-70.133 χ^2/NDF : 9.0/19

Out: 15.424+/-62.976 χ^2/NDF : 6.8/22

All: 54.545+/-46.857 χ^2/NDF : 16.6/42

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: 231.662 $\pm$ 0.102 χ^2/NDF :14750.0/3

Right Out: 171.741 $\pm$ 0.049 χ^2/NDF : 1571422.7/18

Left In: 229.878 $\pm$ 0.107 χ^2/NDF :46424.5/2

Left: 230.808 $\pm$ 0.074 χ^2/NDF : 61320.7/6

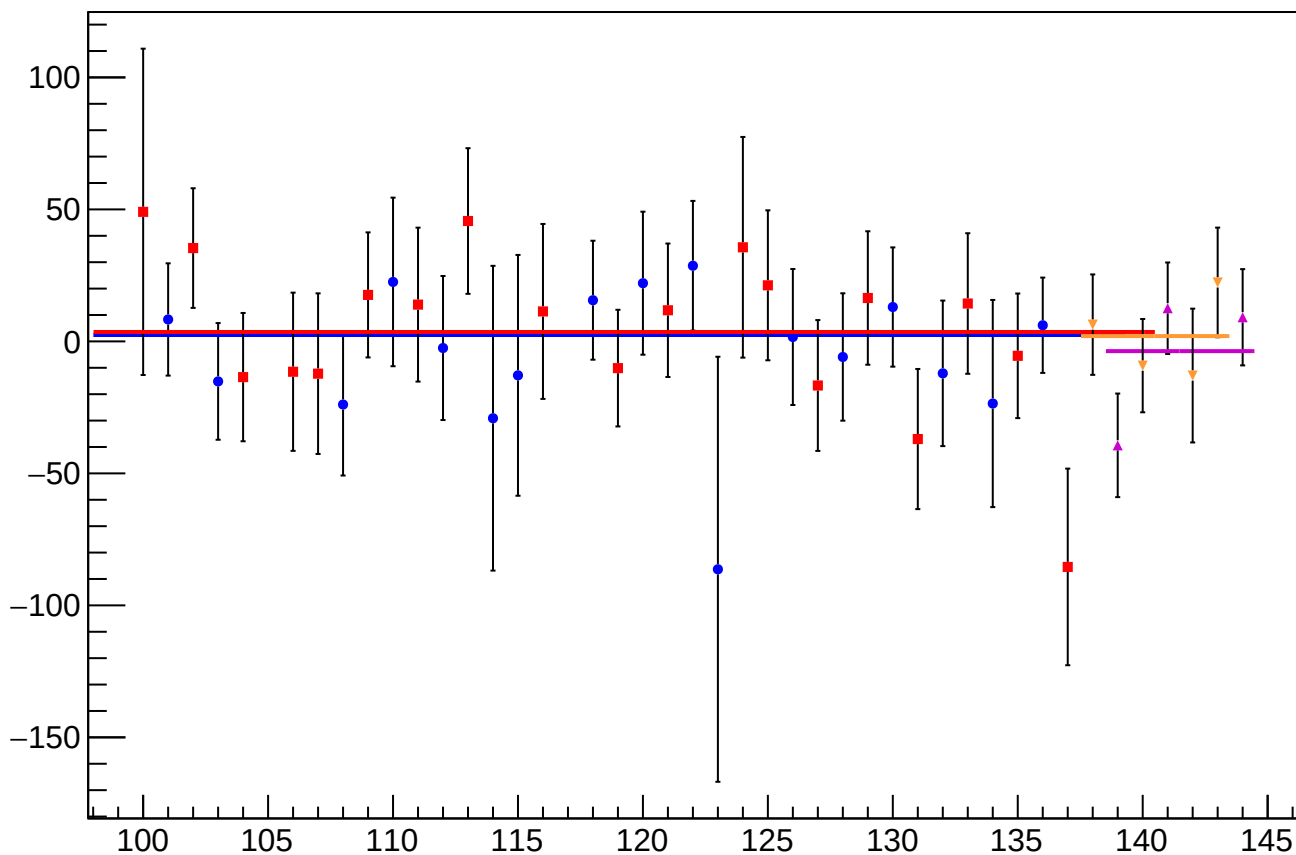
Right: 181.386 $\pm$ 0.037 χ^2/NDF : 2669200.7/35

In: 201.577 $\pm$ 0.050 χ^2/NDF :1147619.0/19

Out: 183.150 $\pm$ 0.045 χ^2/NDF :1865285.1/22

All: 191.376 $\pm$ 0.033 χ^2/NDF : 3089336.1/42

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: 2.010+/-10.081 χ^2/NDF : 1.8/3

Right Out: 3.569+/-6.294 χ^2/NDF : 17.1/18

Left In: -3.685+/-10.577 χ^2/NDF : 4.7/2

Left: -0.701+/-7.297 χ^2/NDF : 6.6/6

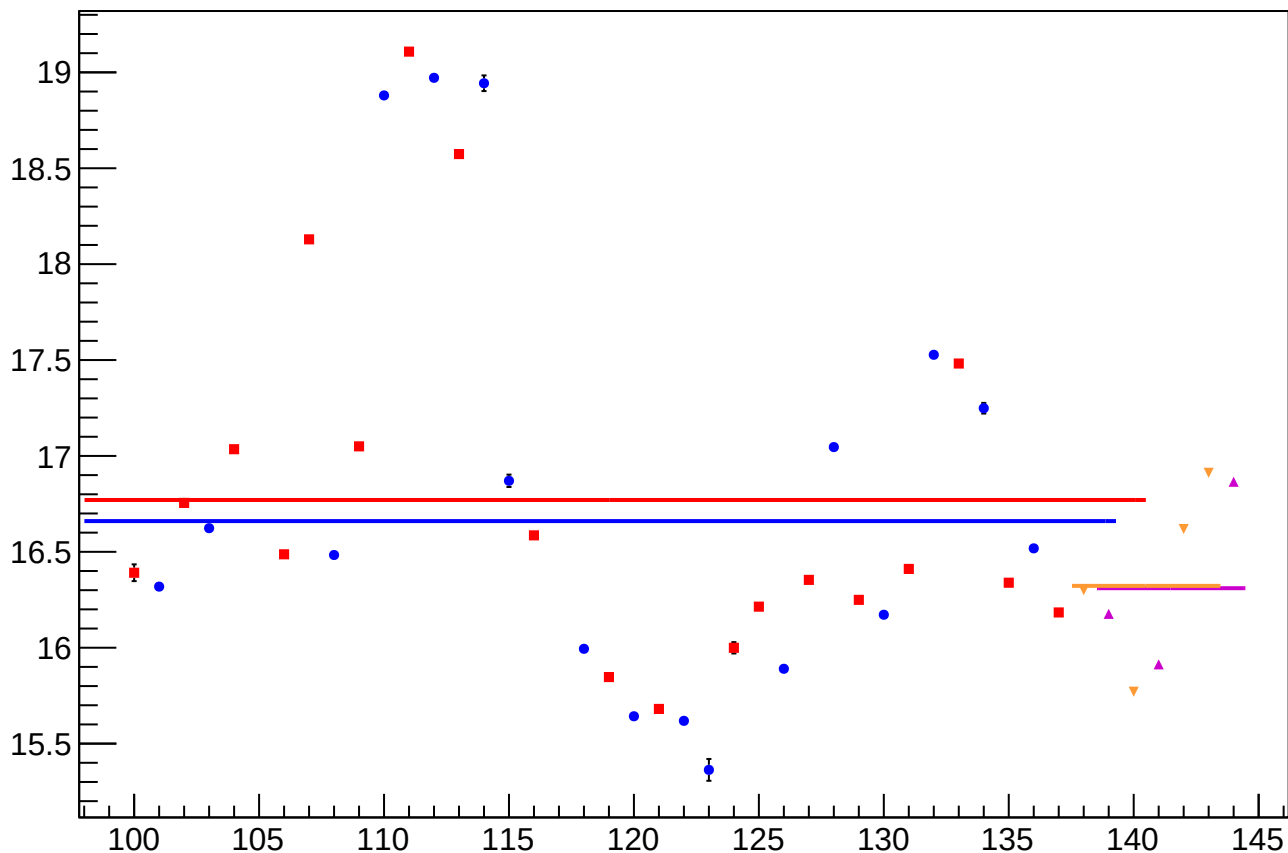
Right: 3.009+/-4.501 χ^2/NDF : 24.0/35

In: 0.771+/-5.501 χ^2/NDF : 11.8/19

Out: 3.132+/-5.339 χ^2/NDF : 18.9/22

All: 1.987+/-3.831 χ^2/NDF : 30.8/42

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.660 $\pm$ 0.005 χ^2 /NDF: 42269.4/16

Left Out: 16.322 $\pm$ 0.007 χ^2 /NDF: 3837.9/3

Right Out: 16.770 $\pm$ 0.004 χ^2 /NDF: 39259.2/18

Left In: 16.310 $\pm$ 0.007 χ^2 /NDF: 2997.5/2

Left: 16.317 $\pm$ 0.005 χ^2 /NDF: 6836.8/6

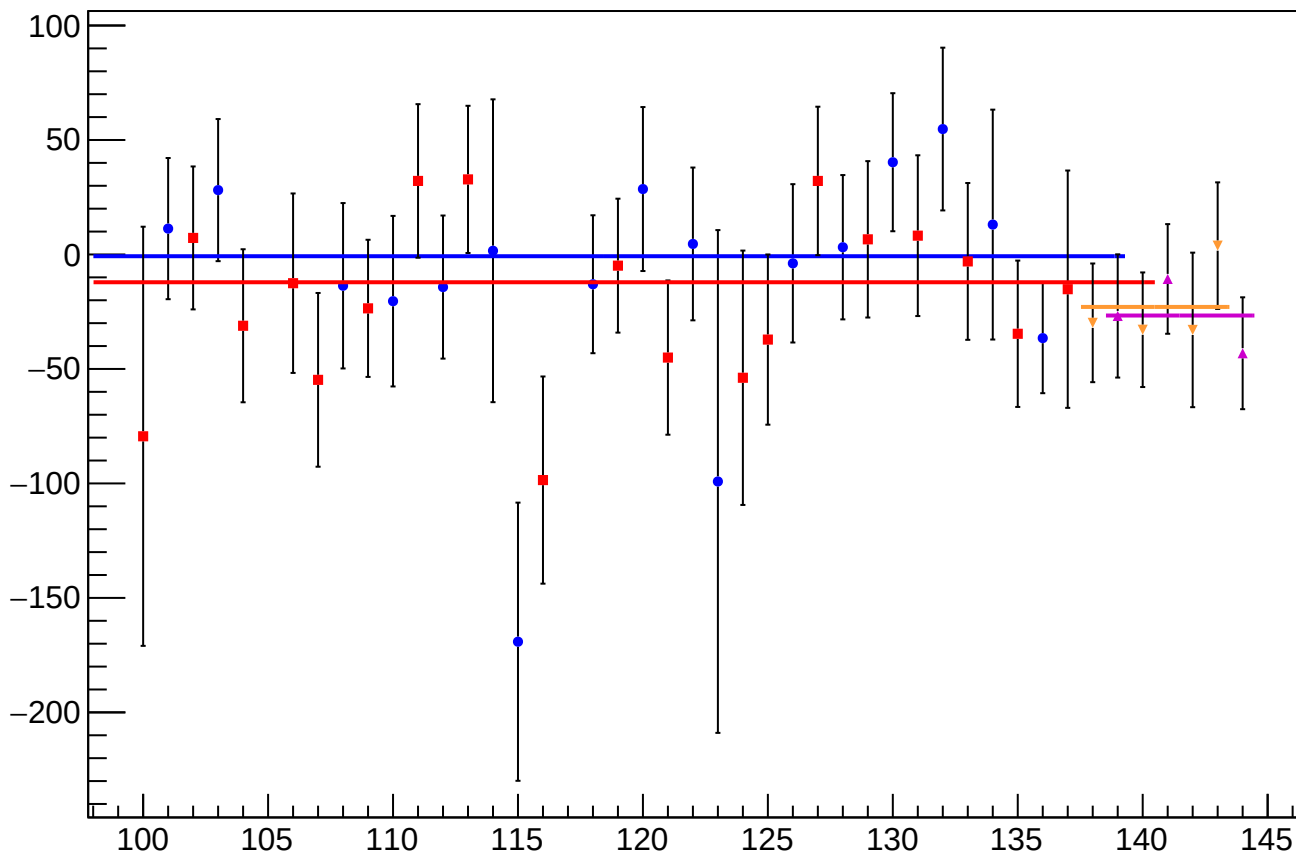
Right: 16.717 $\pm$ 0.003 χ^2 /NDF: 81827.4/35

In: 16.566 $\pm$ 0.004 χ^2 /NDF: 46863.8/19

Out: 16.645 $\pm$ 0.004 χ^2 /NDF: 45937.6/22

All: 16.606 $\pm$ 0.003 χ^2 /NDF: 93014.4/42

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.764 ± 8.505 $\chi^2/\text{NDF}: 17.6/16$

Left Out: -22.914 ± 13.772 $\chi^2/\text{NDF}: 1.3/3$

Right Out: -12.135 ± 8.228 $\chi^2/\text{NDF}: 15.1/18$

Left In: -26.666 ± 14.434 $\chi^2/\text{NDF}: 0.9/2$

Left: -24.702 ± 9.964 $\chi^2/\text{NDF}: 2.2/6$

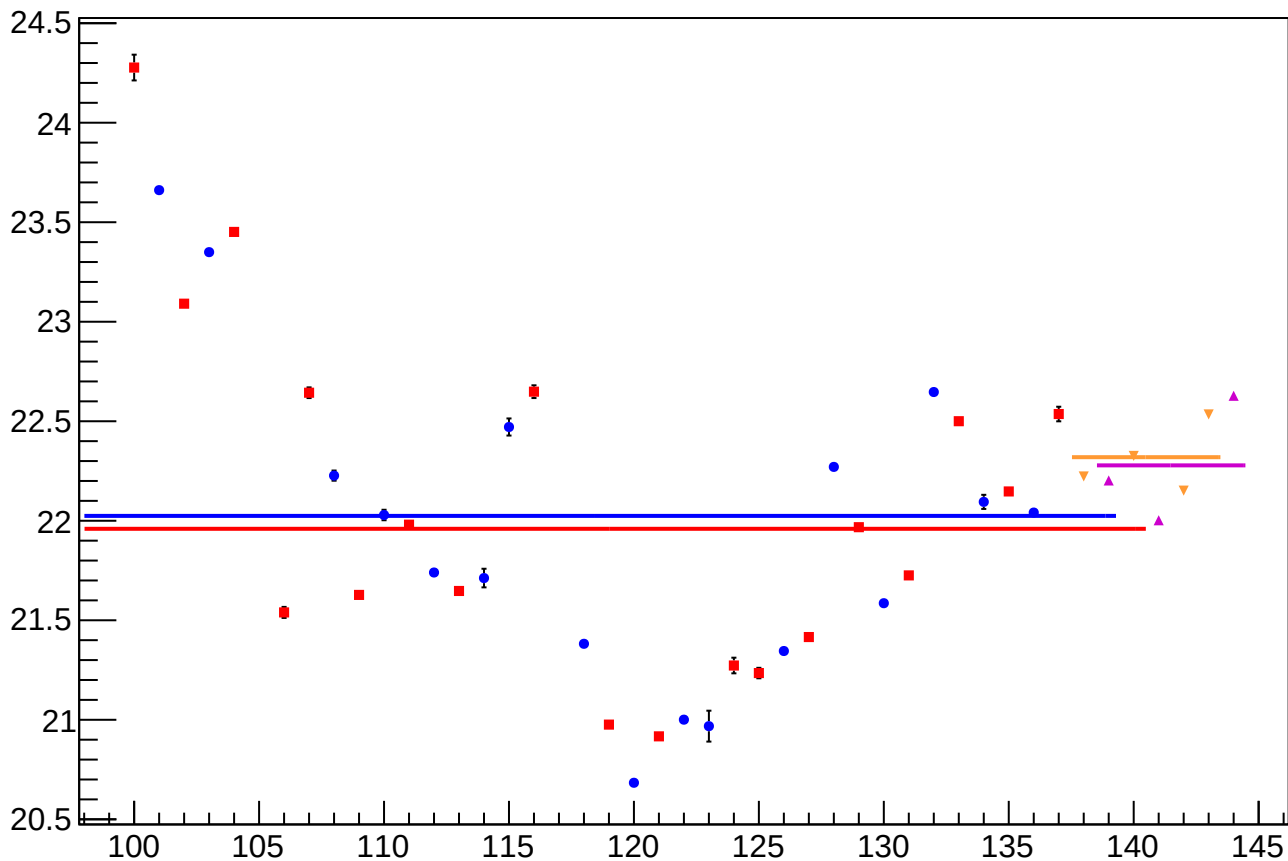
Right: -6.638 ± 5.914 $\chi^2/\text{NDF}: 33.6/35$

In: -7.440 ± 7.328 $\chi^2/\text{NDF}: 20.9/19$

Out: -14.970 ± 7.064 $\chi^2/\text{NDF}: 16.8/22$

All: -11.344 ± 5.086 $\chi^2/\text{NDF}: 38.2/42$

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: 22.319 $\pm$ 0.010 χ^2 /NDF:198.5/3

Right Out: 21.960 $\pm$ 0.006 χ^2 /NDF: 16383.4/18

Left In: 22.278 $\pm$ 0.010 χ^2 /NDF:690.9/2

Left: 22.300 $\pm$ 0.007 χ^2 /NDF: 897.9/6

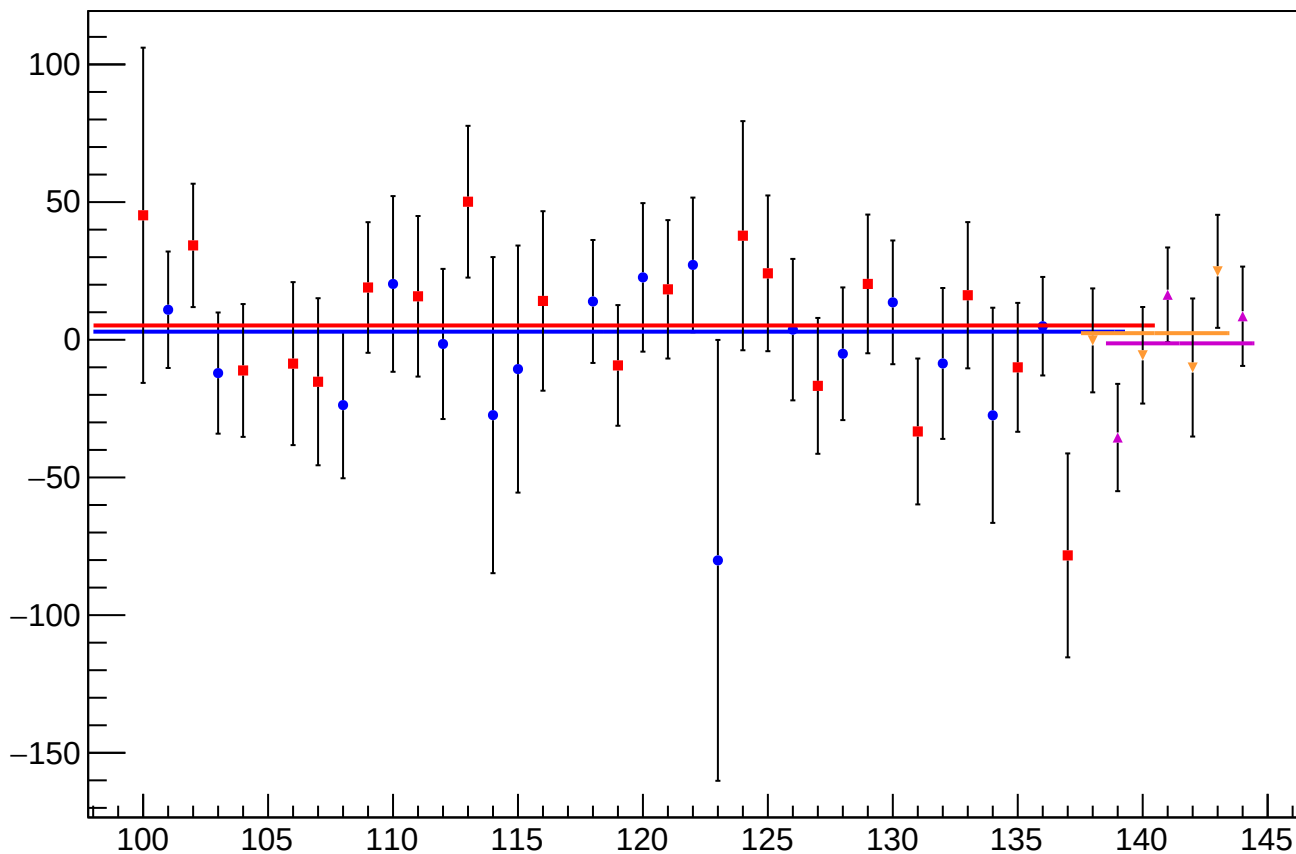
Right: 21.991 $\pm$ 0.004 χ^2 /NDF: 33824.6/35

In: 22.090 $\pm$ 0.005 χ^2 /NDF:18531.0/19

Out: 22.054 $\pm$ 0.005 χ^2 /NDF:17588.2/22

All: 22.071 $\pm$ 0.004 χ^2 /NDF: 36143.7/42

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.948 $\pm$ 6.404 χ^2 /NDF: 6.3/16

Left Out: 2.401 $\pm$ 9.988 χ^2 /NDF:1.7/3

Right Out: 5.199 $\pm$ 6.258 χ^2 /NDF: 17.2/18

Left In: -1.298 $\pm$ 10.484 χ^2 /NDF:4.4/2

Left: 0.641 $\pm$ 7.232 χ^2 /NDF: 6.2/6

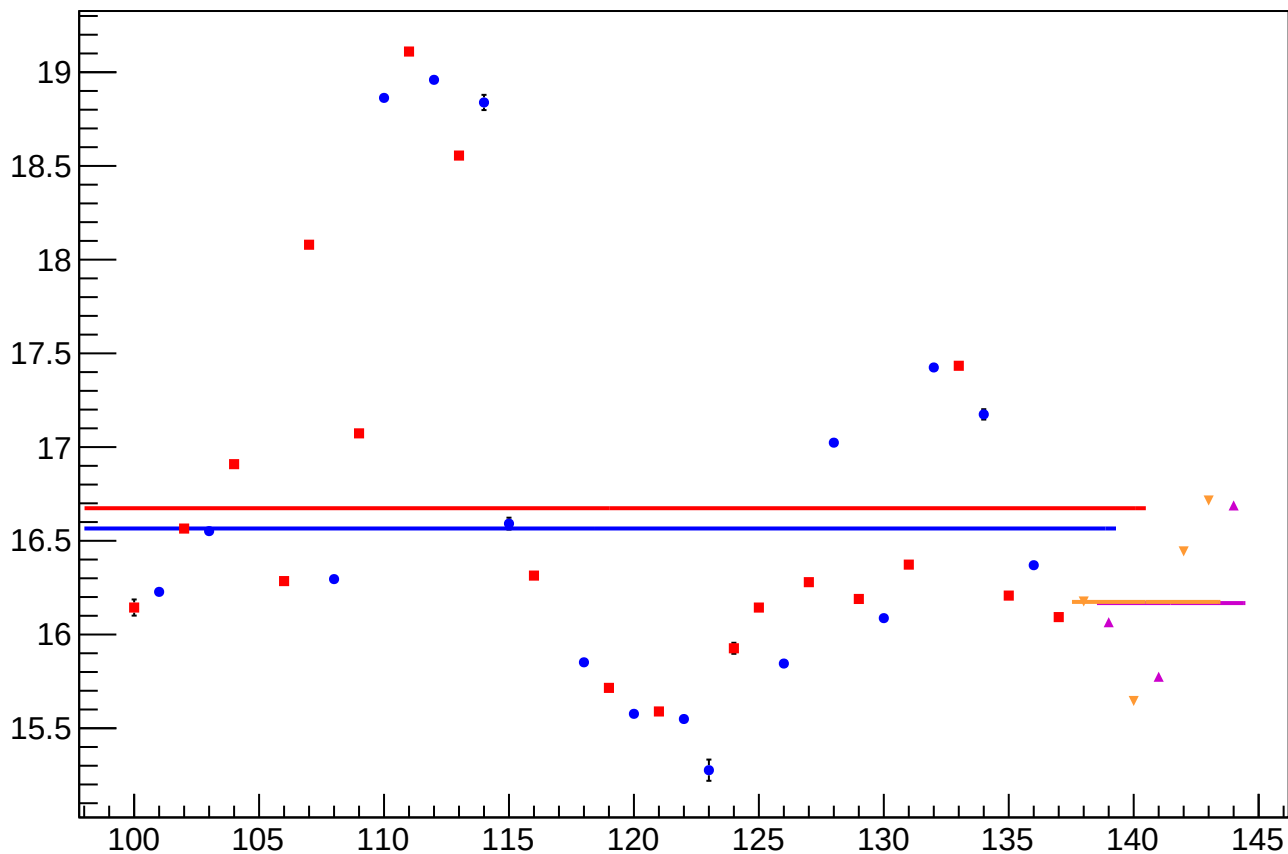
Right: 4.100 $\pm$ 4.476 χ^2 /NDF: 23.5/35

In: 1.794 $\pm$ 5.465 χ^2 /NDF:10.8/19

Out: 4.410 $\pm$ 5.303 χ^2 /NDF:18.9/22

All: 3.142 $\pm$ 3.806 χ^2 /NDF: 29.8/42

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: 16.174 $\pm$ 0.007 χ^2 /NDF: 3438.5/3

Right Out: 16.674 $\pm$ 0.004 χ^2 /NDF: 42453.5/18

Left In: 16.168 $\pm$ 0.007 χ^2 /NDF: 2770.0/2

Left: 16.171 $\pm$ 0.005 χ^2 /NDF: 6208.8/6

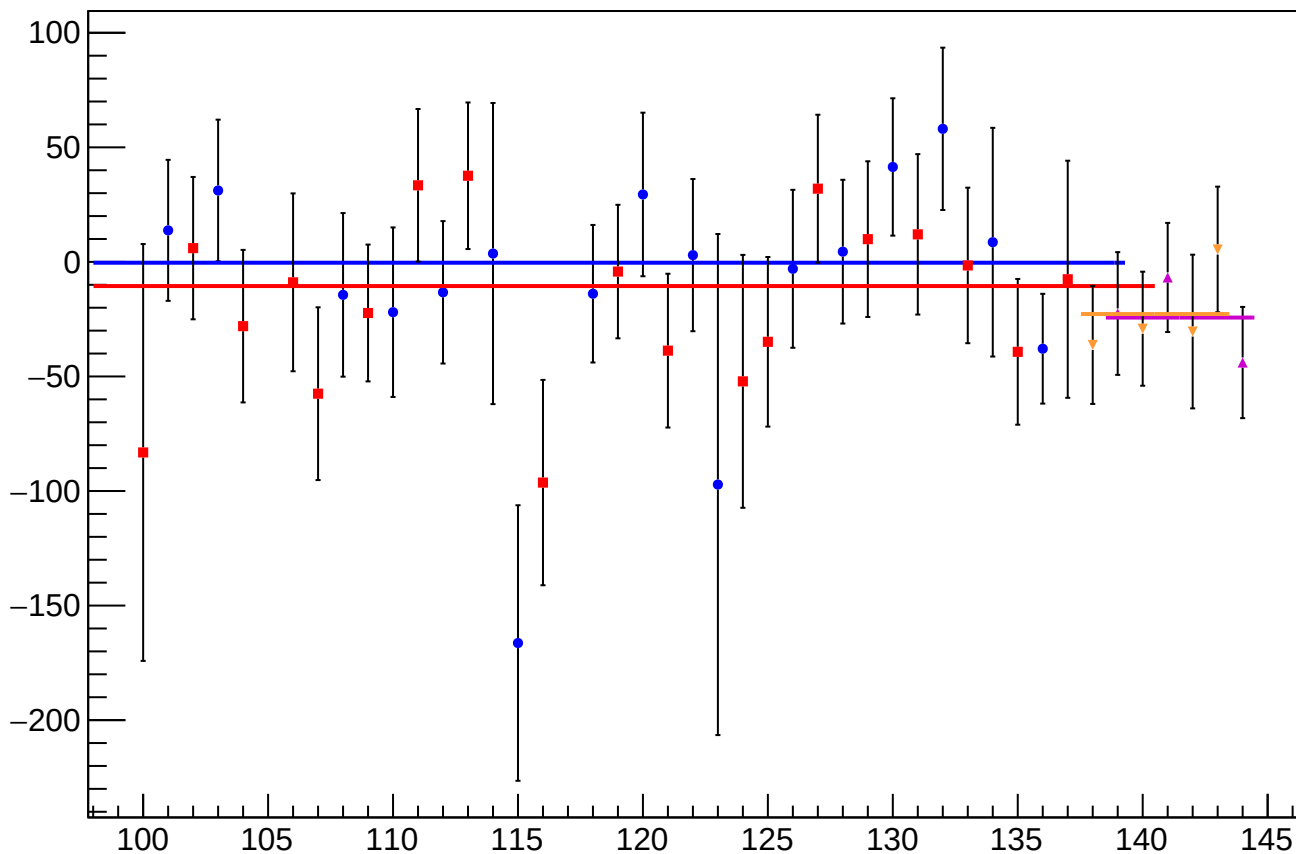
Right: 16.621 $\pm$ 0.003 χ^2 /NDF: 86987.8/35

In: 16.458 $\pm$ 0.004 χ^2 /NDF: 49111.6/19

Out: 16.533 $\pm$ 0.004 χ^2 /NDF: 49488.4/22

All: 16.496 $\pm$ 0.003 χ^2 /NDF: 98795.7/42

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.358 ± 8.465 $\chi^2/\text{NDF}: 18.4/16$

Left Out: -22.758 ± 13.685 $\chi^2/\text{NDF}: 1.4/3$

Right Out: -10.548 ± 8.187 $\chi^2/\text{NDF}: 15.7/18$

Left In: -24.296 ± 14.353 $\chi^2/\text{NDF}: 1.2/2$

Left: -23.490 ± 9.904 $\chi^2/\text{NDF}: 2.7/6$

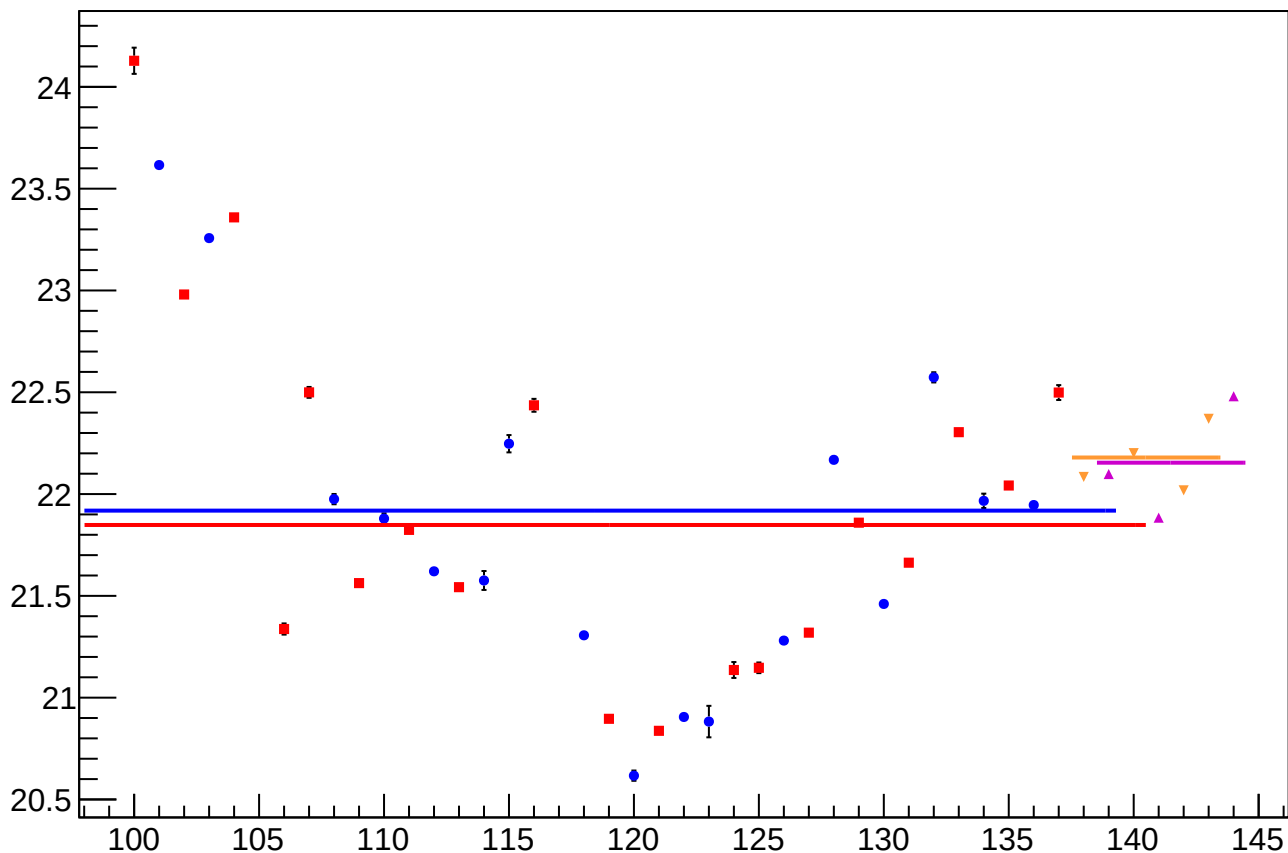
Right: -5.623 ± 5.885 $\chi^2/\text{NDF}: 34.9/35$

In: -6.535 ± 7.291 $\chi^2/\text{NDF}: 21.7/19$

Out: -13.766 ± 7.025 $\chi^2/\text{NDF}: 17.8/22$

All: -10.285 ± 5.059 $\chi^2/\text{NDF}: 40.0/42$

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.919+/-0.006 χ^2/NDF : 17641.8/16

Left Out: 22.180+/-0.010 χ^2/NDF :171.2/3

Right Out: 21.848+/-0.006 χ^2/NDF : 16031.9/18

Left In: 22.154+/-0.010 χ^2/NDF :627.3/2

Left: 22.167+/-0.007 χ^2/NDF : 801.7/6

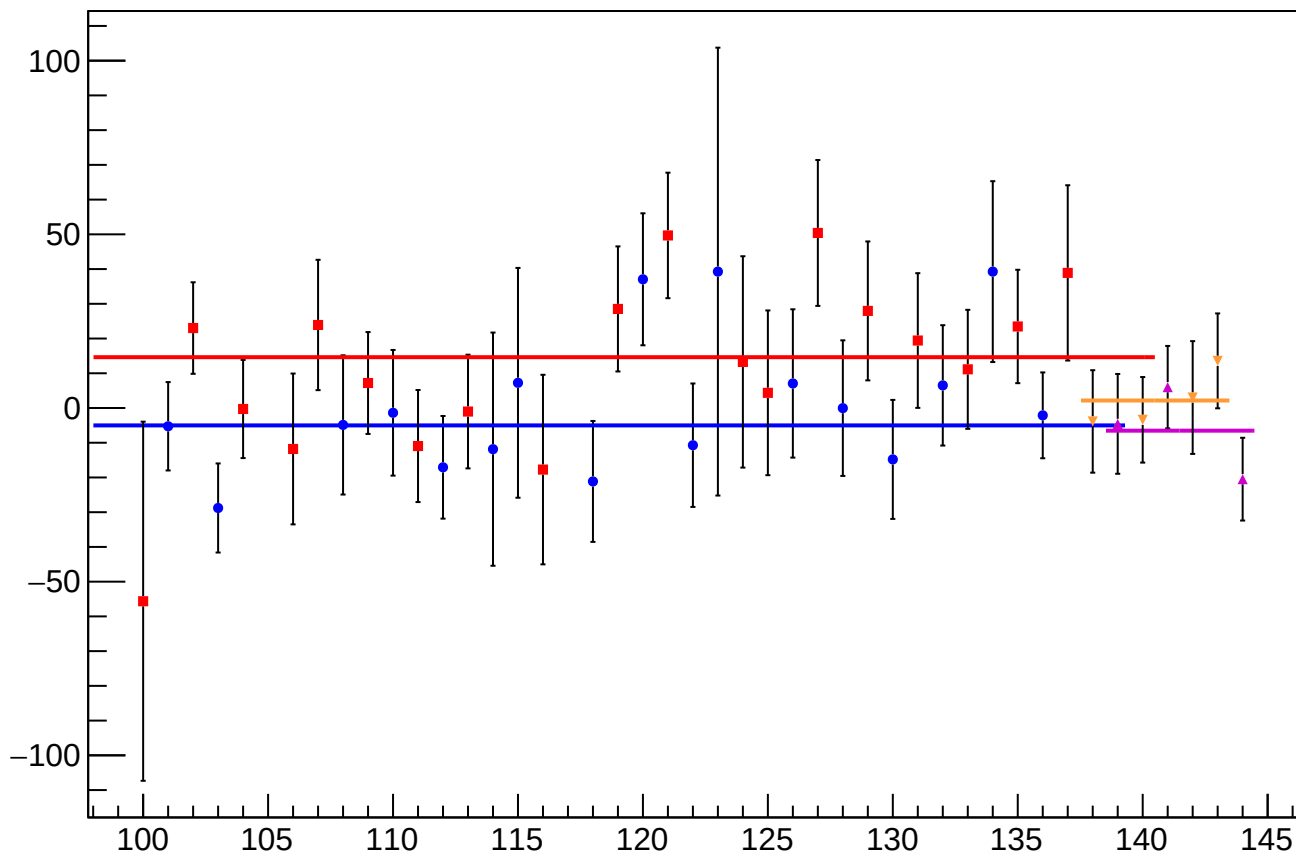
Right: 21.882+/-0.004 χ^2/NDF : 33745.4/35

In: 21.979+/-0.005 χ^2/NDF :18668.4/19

Out: 21.935+/-0.005 χ^2/NDF :17066.9/22

All: 21.957+/-0.004 χ^2/NDF : 35772.9/42

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: 2.162 ± 7.011 χ^2/NDF : 1.1/3

Right Out: 14.630 ± 4.270 χ^2/NDF : 19.4/18

Left In: -6.525 ± 7.258 χ^2/NDF : 2.5/2

Left: -2.032 ± 5.042 χ^2/NDF : 4.3/6

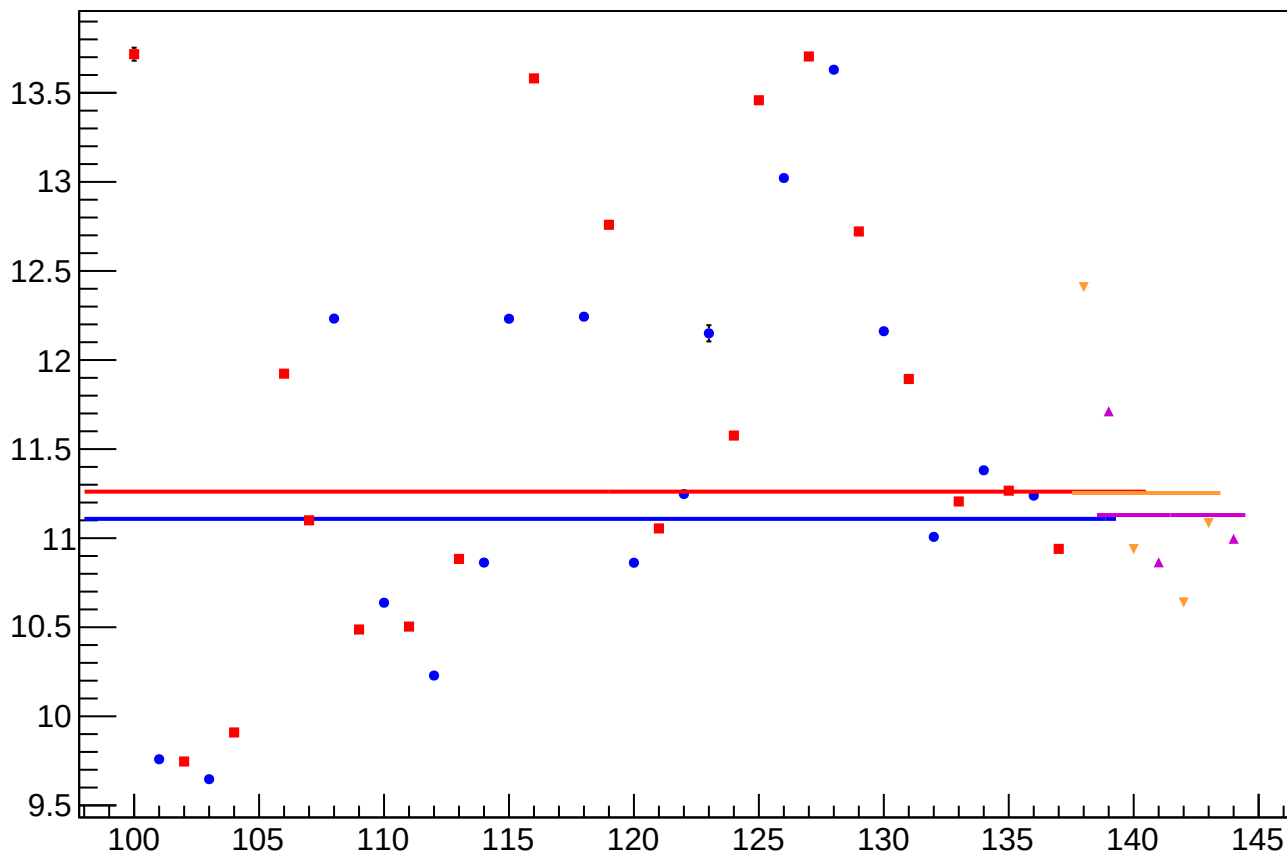
Right: 4.955 ± 3.042 χ^2/NDF : 44.6/35

In: -5.408 ± 3.721 χ^2/NDF : 17.3/19

Out: 11.256 ± 3.647 χ^2/NDF : 22.8/22

All: 3.091 ± 2.605 χ^2/NDF : 50.3/42

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: 11.253 ± 0.005 $\chi^2/\text{NDF}: 16756.0/3$

Right Out: 11.261 ± 0.003 $\chi^2/\text{NDF}: 148448.6/18$

Left In: 11.130 ± 0.005 $\chi^2/\text{NDF}: 4534.4/2$

Left: 11.194 ± 0.004 $\chi^2/\text{NDF}: 21590.7/6$

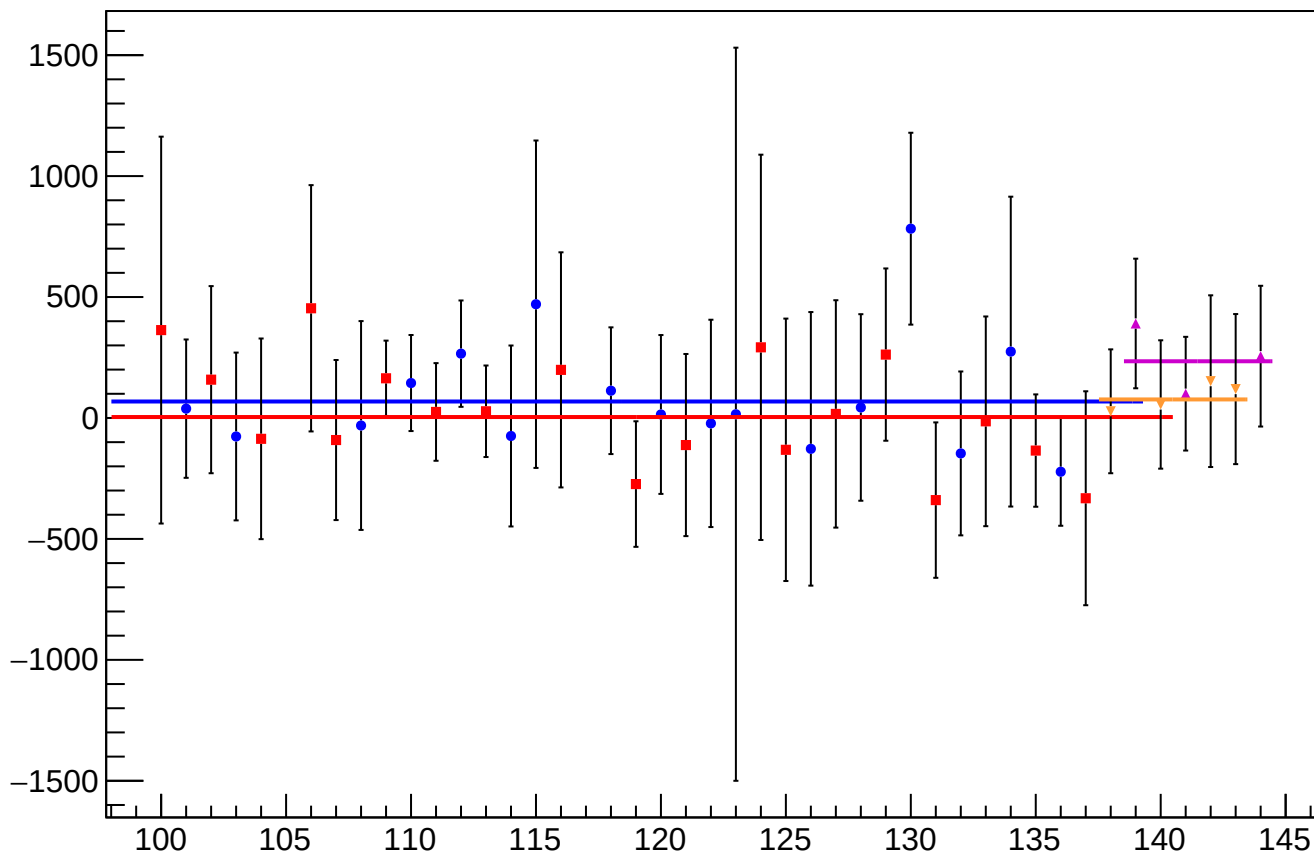
Right: 11.186 ± 0.002 $\chi^2/\text{NDF}: 282306.4/35$

In: 11.114 ± 0.003 $\chi^2/\text{NDF}: 137142.0/19$

Out: 11.259 ± 0.003 $\chi^2/\text{NDF}: 165206.4/22$

All: 11.188 ± 0.002 $\chi^2/\text{NDF}: 303900.7/42$

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: 76.636+/-144.668 χ^2/NDF : 0.1/3

Right Out: 3.876+/-70.195 χ^2/NDF : 6.5/18

Left In: 234.445+/-151.019 χ^2/NDF : 0.7/2

Left: 152.152+/-104.469 χ^2/NDF : 1.3/6

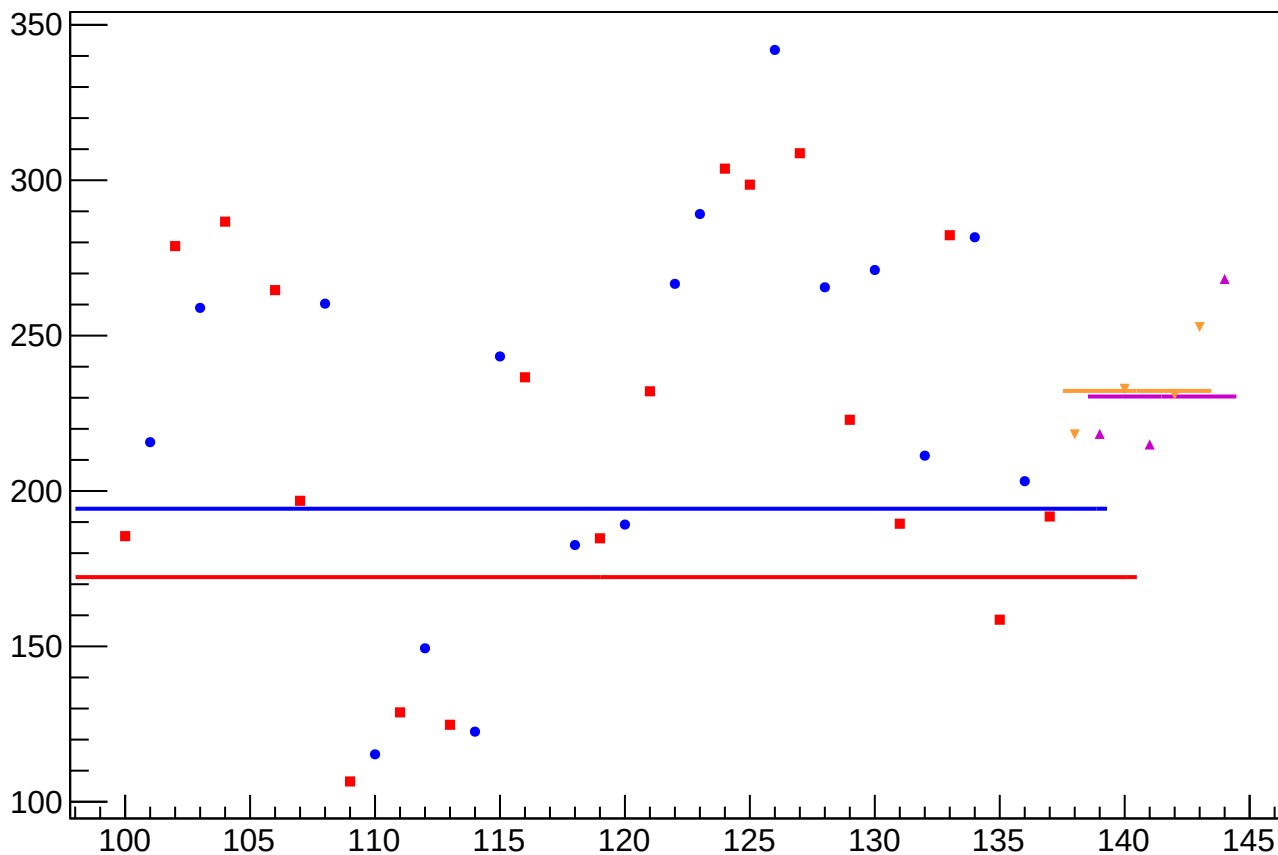
Right: 32.037+/-52.604 χ^2/NDF : 14.3/35

In: 104.170+/-70.313 χ^2/NDF : 9.0/19

Out: 17.741+/-63.153 χ^2/NDF : 6.9/22

All: 56.333+/-46.984 χ^2/NDF : 16.7/42

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.298+/-0.056 χ^2/NDF : 1006214.8/16

Left Out: 232.213+/-0.102 χ^2/NDF :14779.3/3

Right Out: 172.293+/-0.050 χ^2/NDF : 1564135.2/18

Left In: 230.406+/-0.107 χ^2/NDF :46460.7/2

Left: 231.348+/-0.074 χ^2/NDF : 61389.5/6

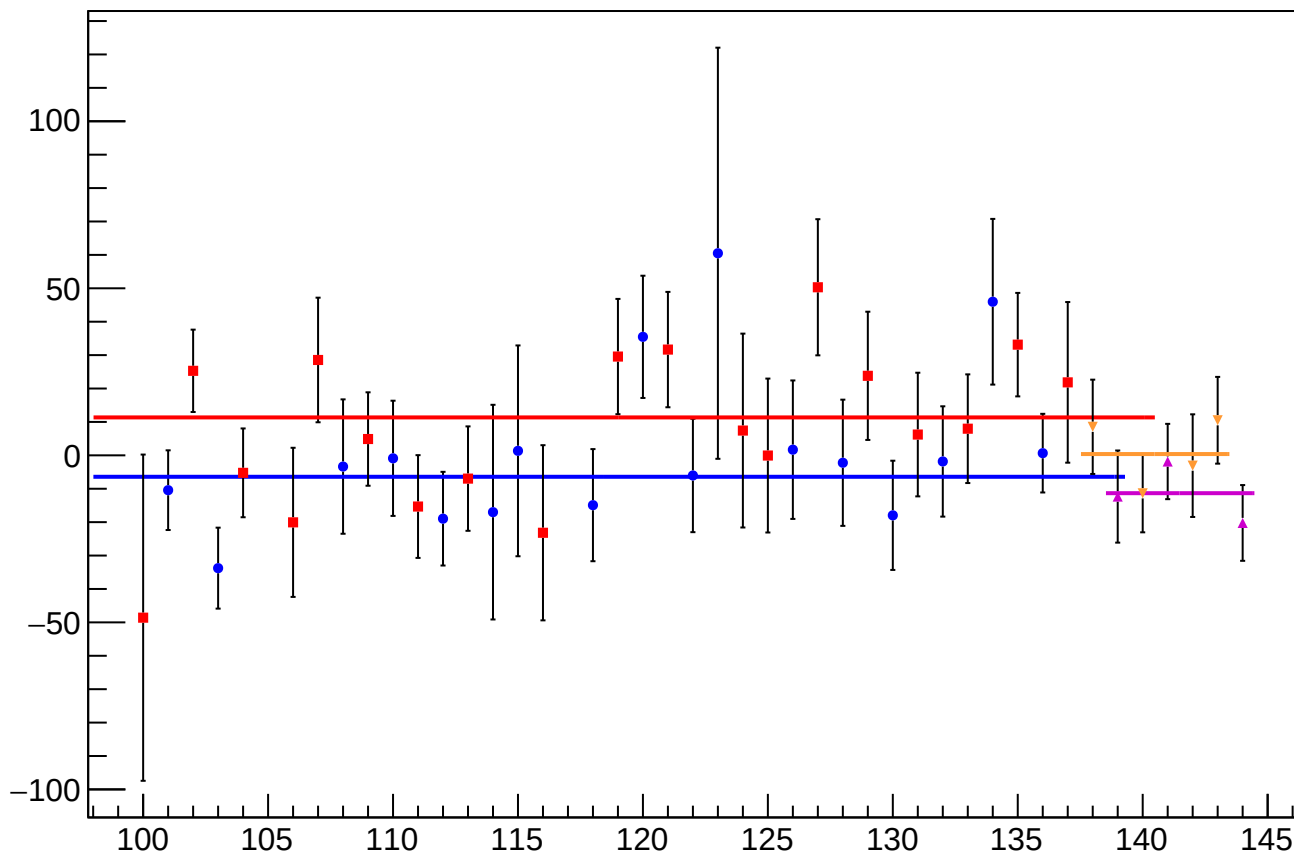
Right: 181.940+/-0.037 χ^2/NDF : 2656513.7/35

In: 202.125+/-0.050 χ^2/NDF :1142224.9/19

Out: 183.712+/-0.045 χ^2/NDF :1856640.3/22

All: 191.933+/-0.033 χ^2/NDF : 3074782.2/42

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: 0.384 ± 6.663 χ^2/NDF : 2.0/3

Right Out: 11.351 ± 4.084 χ^2/NDF : 22.6/18

Left In: -11.329 ± 6.915 χ^2/NDF : 1.3/2

Left: -5.255 ± 4.798 χ^2/NDF : 4.8/6

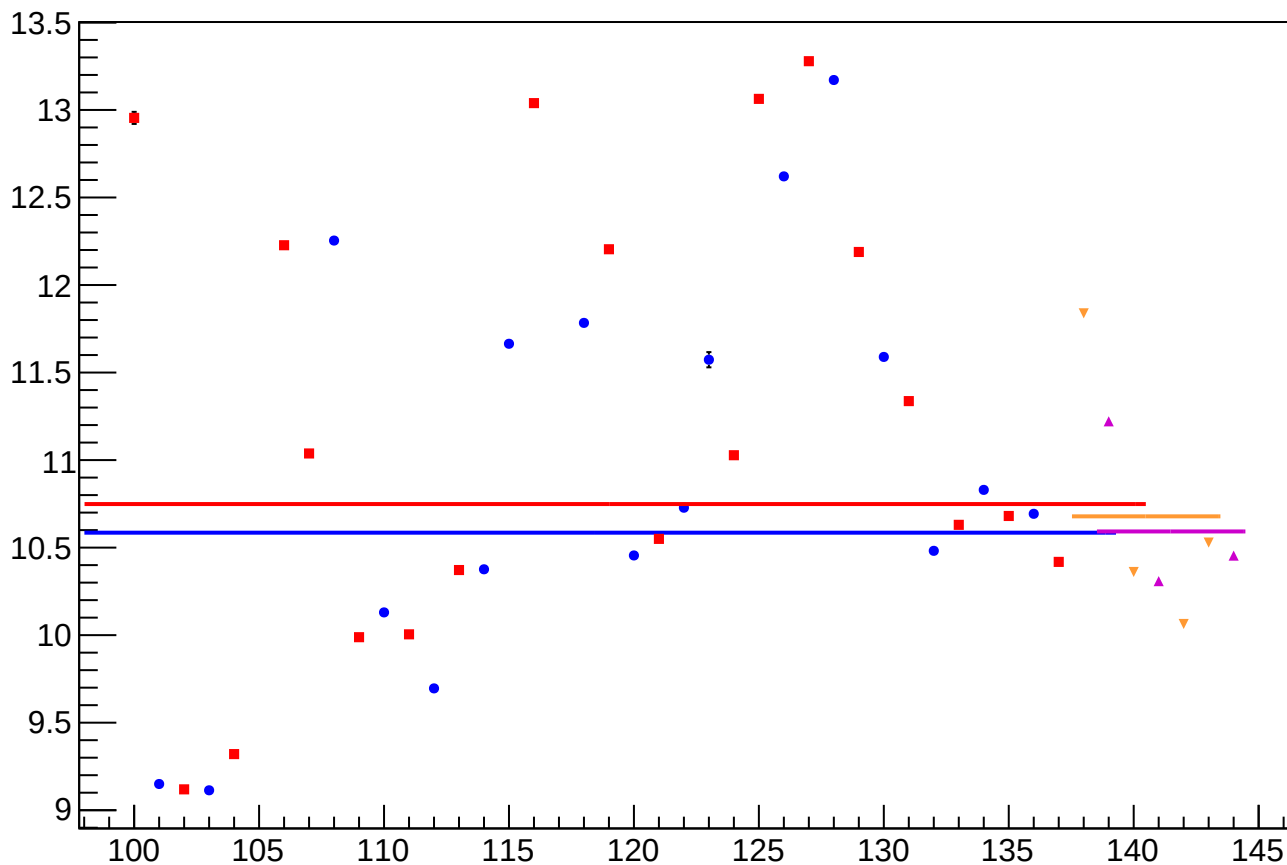
Right: 2.582 ± 2.907 χ^2/NDF : 50.6/35

In: -7.714 ± 3.551 χ^2/NDF : 20.3/19

Out: 8.356 ± 3.482 χ^2/NDF : 26.6/22

All: 0.478 ± 2.486 χ^2/NDF : 57.3/42

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.585 $\pm$ 0.003 χ^2 /NDF: 159813.8/16

Left Out: 10.679 $\pm$ 0.005 χ^2 /NDF:18455.6/3

Right Out: 10.749 $\pm$ 0.003 χ^2 /NDF: 177905.9/18

Left In: 10.592 $\pm$ 0.005 χ^2 /NDF:5727.6/2

Left: 10.637 $\pm$ 0.003 χ^2 /NDF: 24344.5/6

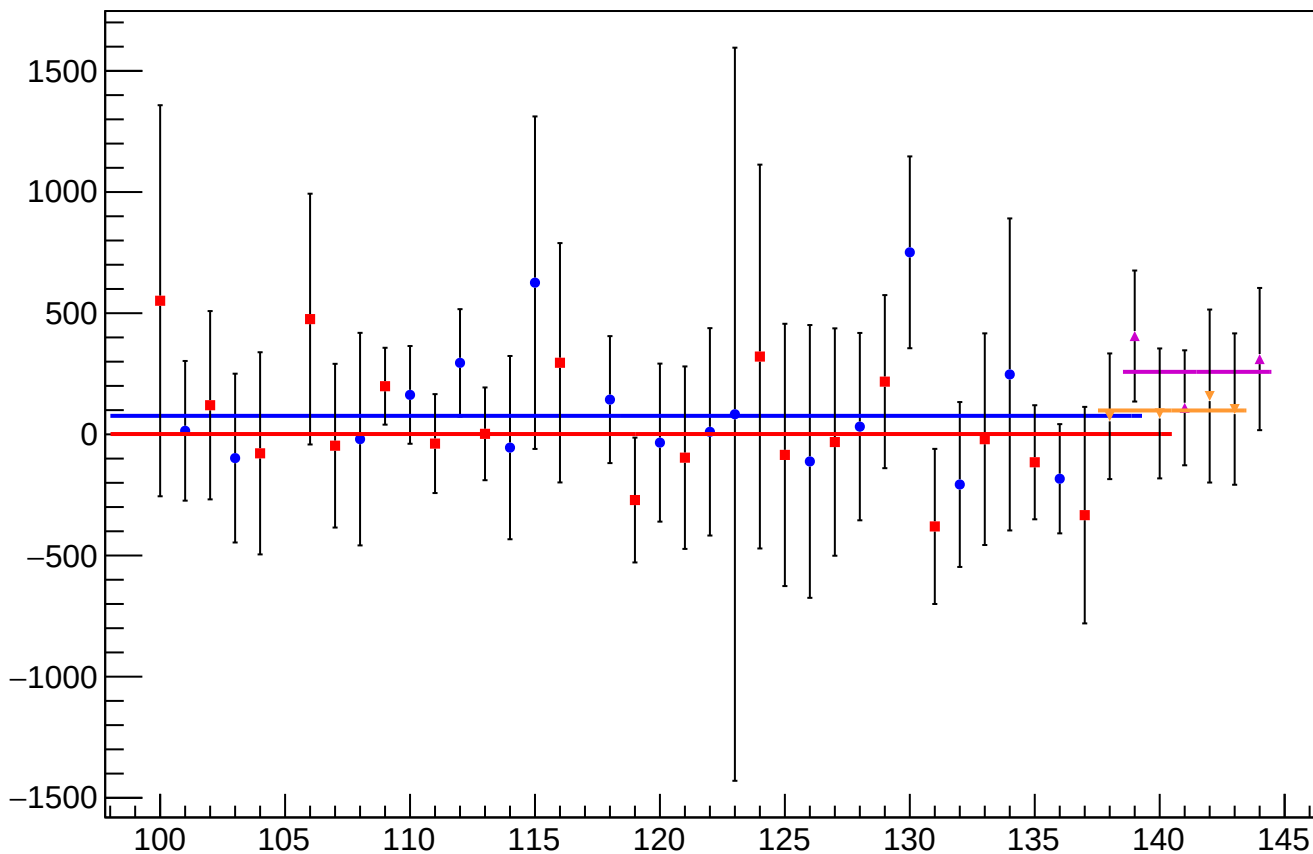
Right: 10.668 $\pm$ 0.002 χ^2 /NDF: 339301.3/35

In: 10.587 $\pm$ 0.003 χ^2 /NDF:165542.9/19

Out: 10.730 $\pm$ 0.002 χ^2 /NDF:196523.1/22

All: 10.660 $\pm$ 0.002 χ^2 /NDF: 363707.3/42

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: 98.579 $\pm$ 146.063 χ^2 /NDF:0.0/3

Right Out: 1.355 $\pm$ 70.867 χ^2 /NDF: 7.4/18

Left In: 257.952 $\pm$ 152.394 χ^2 /NDF:0.7/2

Left: 174.886 $\pm$ 105.449 χ^2 /NDF: 1.3/6

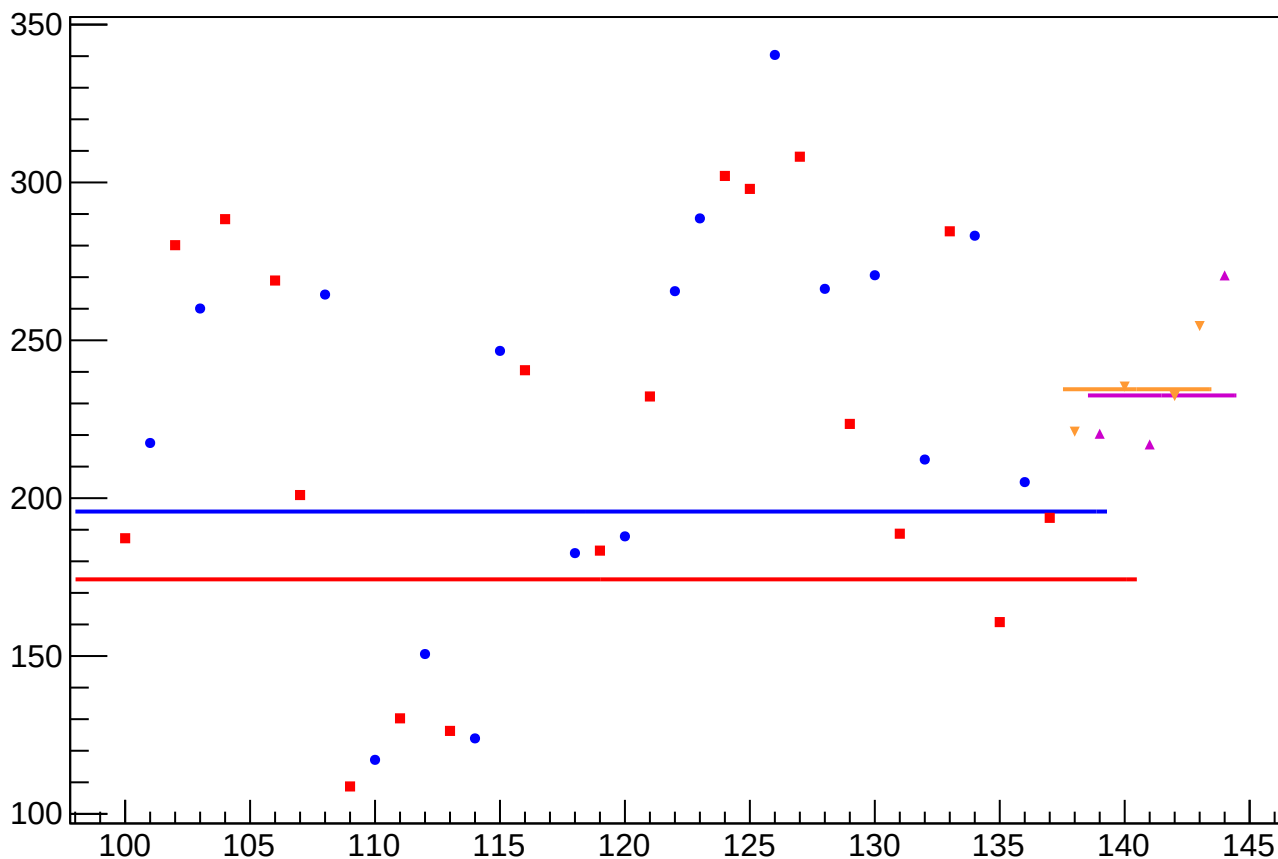
Right: 34.364 $\pm$ 53.038 χ^2 /NDF: 15.5/35

In: 115.596 $\pm$ 70.812 χ^2 /NDF:9.4/19

Out: 19.881 $\pm$ 63.759 χ^2 /NDF:7.8/22

All: 62.736 $\pm$ 47.382 χ^2 /NDF: 18.2/42

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: 234.502 $\pm$ 0.103 χ^2 /NDF:13673.8/3

Right Out: 174.286 $\pm$ 0.050 χ^2 /NDF: 1523733.5/18

Left In: 232.539 $\pm$ 0.108 χ^2 /NDF:46155.9/2

Left: 233.562 $\pm$ 0.075 χ^2 /NDF: 60002.6/6

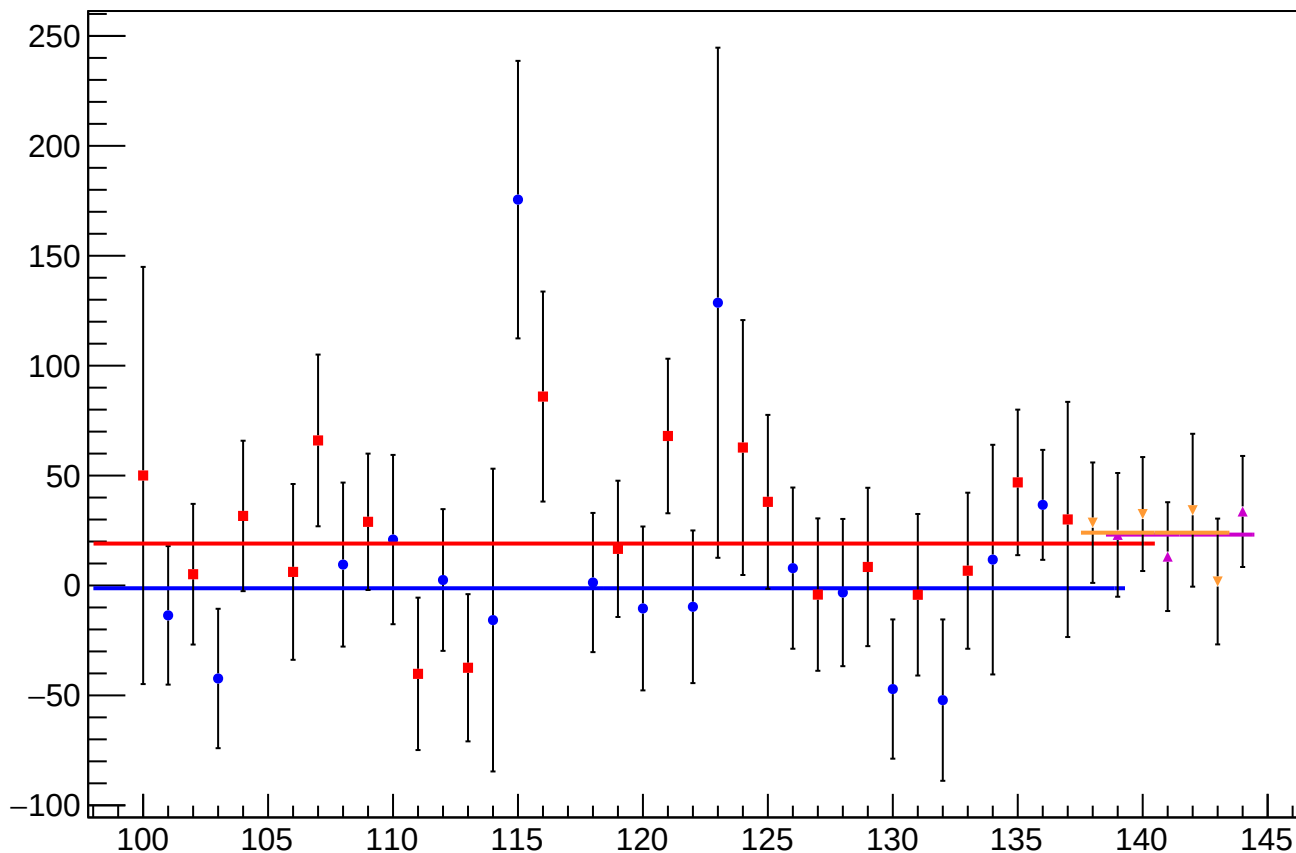
Right: 183.734 $\pm$ 0.038 χ^2 /NDF: 2585471.0/35

In: 203.705 $\pm$ 0.050 χ^2 /NDF:1118381.8/19

Out: 185.760 $\pm$ 0.045 χ^2 /NDF:1812553.7/22

All: 193.795 $\pm$ 0.034 χ^2 /NDF: 3001875.5/42

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.260 ± 8.846 $\chi^2/\text{NDF}: 18.0/16$

Left Out: 24.024 ± 14.331 $\chi^2/\text{NDF}: 0.8/3$

Right Out: 19.071 ± 8.572 $\chi^2/\text{NDF}: 14.4/18$

Left In: 23.144 ± 14.971 $\chi^2/\text{NDF}: 0.3/2$

Left: 23.603 ± 10.353 $\chi^2/\text{NDF}: 1.2/6$

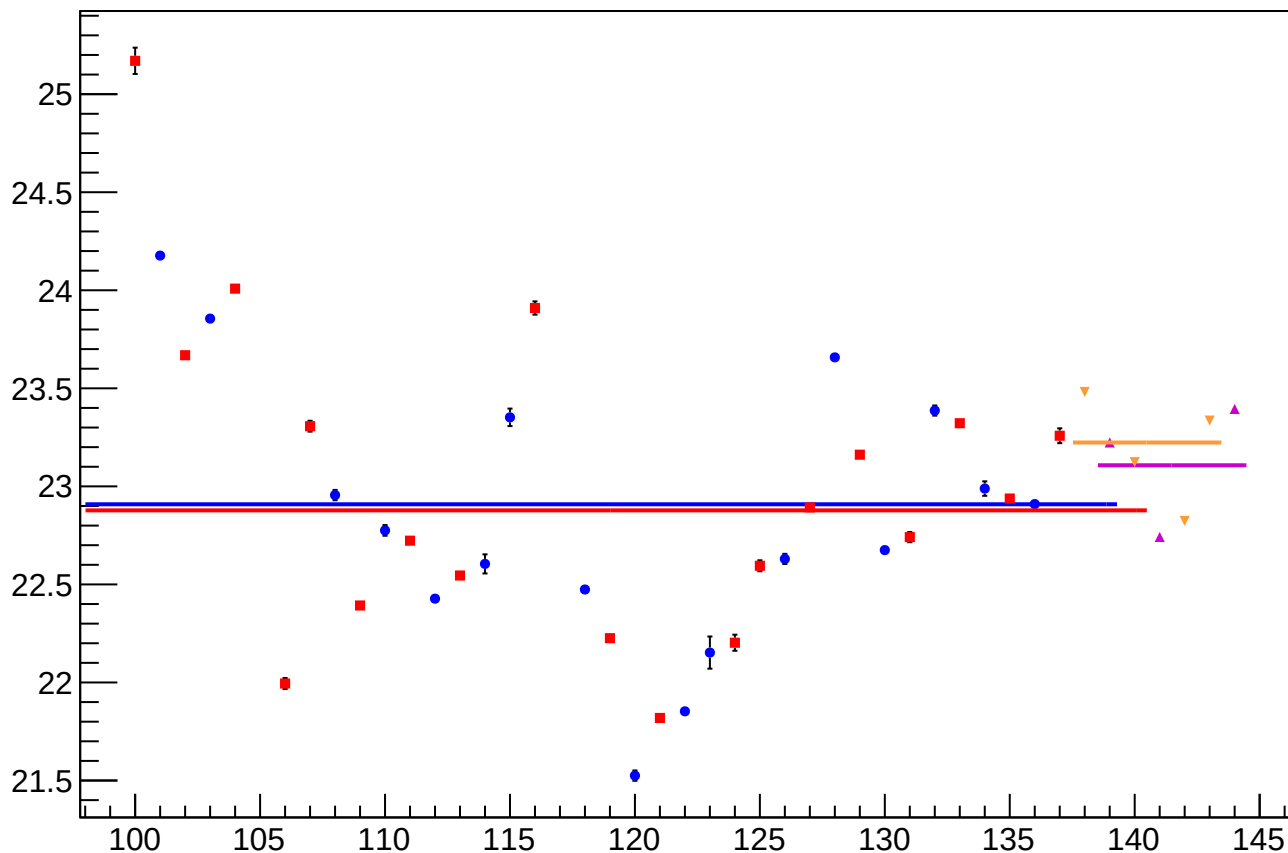
Right: 9.225 ± 6.156 $\chi^2/\text{NDF}: 35.1/35$

In: 5.055 ± 7.616 $\chi^2/\text{NDF}: 20.3/19$

Out: 20.376 ± 7.356 $\chi^2/\text{NDF}: 15.3/22$

All: 12.981 ± 5.291 $\chi^2/\text{NDF}: 37.6/42$

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.909+/-0.006 χ^2/NDF : 12270.5/16

Left Out: 23.224+/-0.010 χ^2/NDF : 501.9/3

Right Out: 22.878+/-0.006 χ^2/NDF : 11094.4/18

Left In: 23.108+/-0.011 χ^2/NDF : 728.9/2

Left: 23.168+/-0.007 χ^2/NDF : 1293.6/6

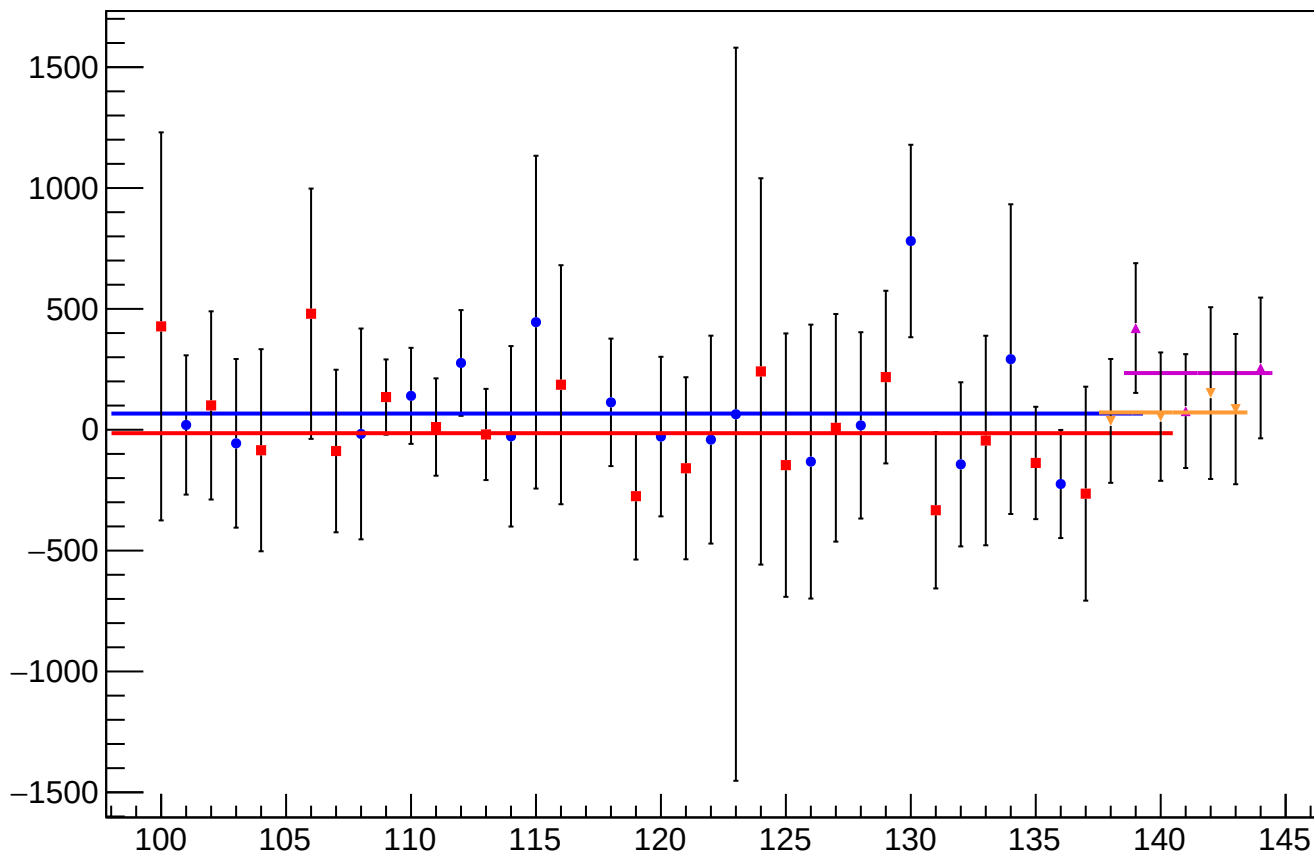
Right: 22.893+/-0.004 χ^2/NDF : 23377.6/35

In: 22.960+/-0.005 χ^2/NDF : 13261.1/19

Out: 22.969+/-0.005 χ^2/NDF : 12455.5/22

All: 22.965+/-0.004 χ^2/NDF : 25717.9/42

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: 71.533+/-144.804 χ^2/NDF : 0.1/3

Right Out: -14.253+/-70.367 χ^2/NDF : 5.8/18

Left In: 234.510+/-151.255 χ^2/NDF : 0.9/2

Left: 149.472+/-104.598 χ^2/NDF : 1.6/6

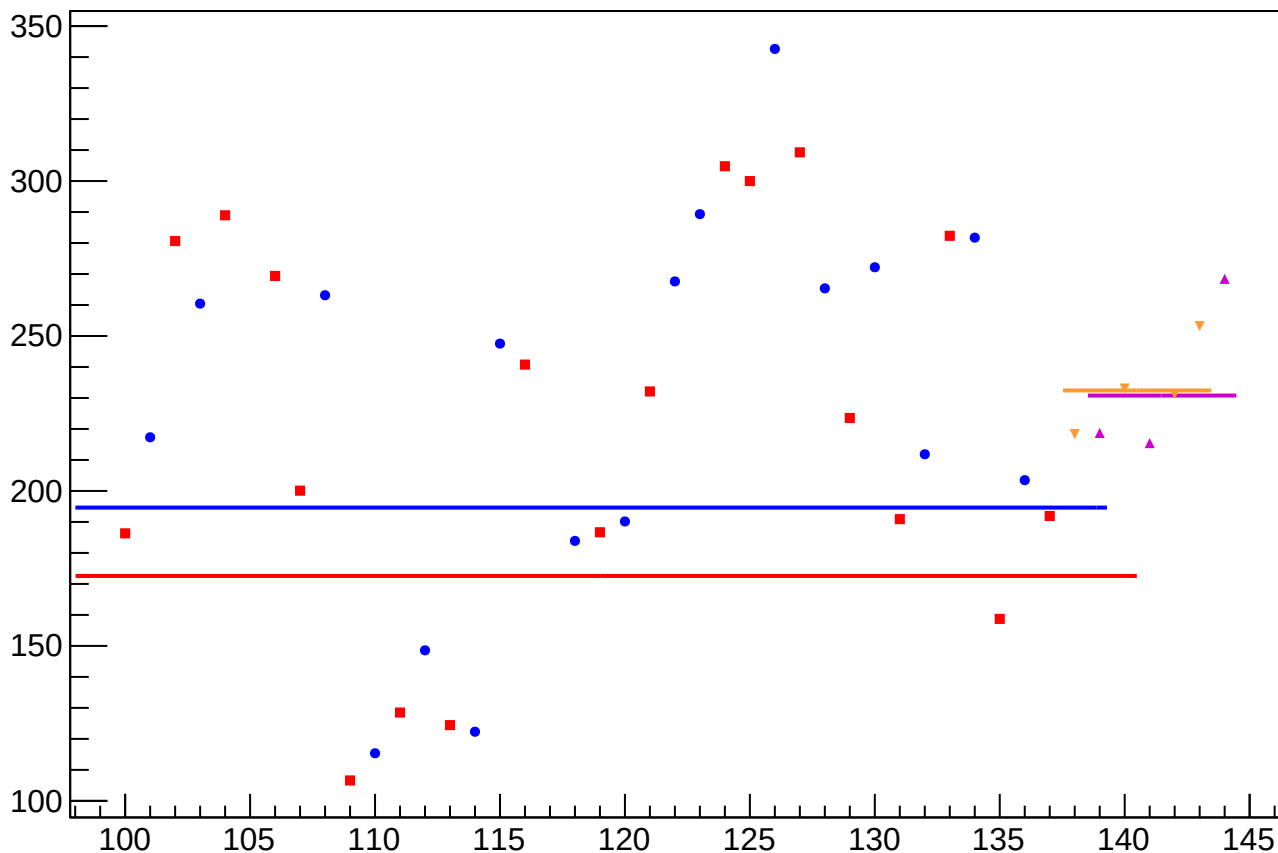
Right: 21.361+/-52.728 χ^2/NDF : 13.7/35

In: 103.319+/-70.458 χ^2/NDF : 9.2/19

Out: 2.135+/-63.290 χ^2/NDF : 6.1/22

All: 47.320+/-47.084 χ^2/NDF : 16.5/42

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: 232.427+/-0.102 χ^2/NDF :14993.1/3

Right Out: 172.571+/-0.050 χ^2/NDF : 1591230.2/18

Left In: 230.784+/-0.107 χ^2/NDF :45983.2/2

Left: 231.641+/-0.074 χ^2/NDF : 61099.4/6

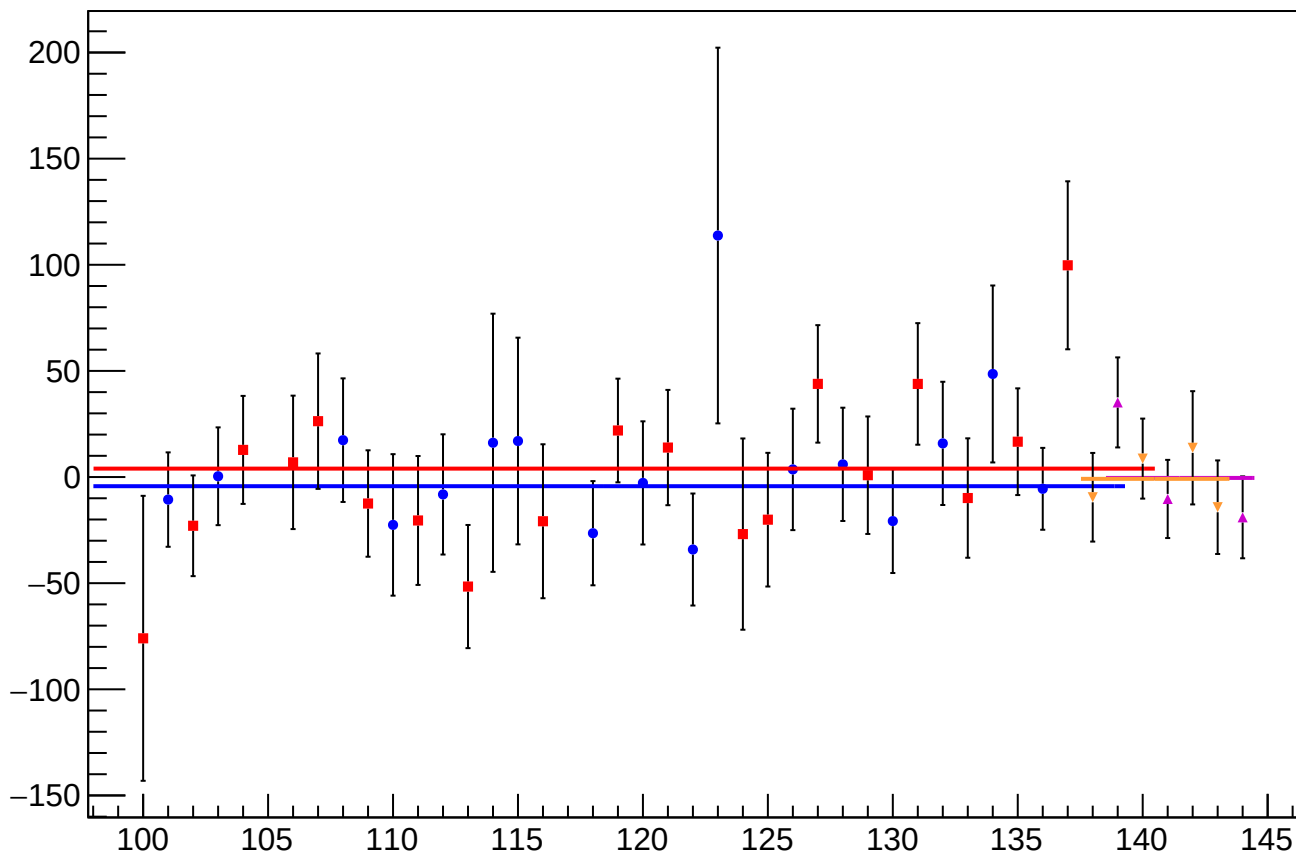
Right: 182.245+/-0.037 χ^2/NDF : 2698427.0/35

In: 202.478+/-0.050 χ^2/NDF :1156425.7/19

Out: 184.005+/-0.045 χ^2/NDF :1882676.2/22

All: 192.254+/-0.033 χ^2/NDF : 3115184.5/42

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.314 ± 6.887 χ^2/NDF : 7.9/16

Left Out: -0.849 ± 10.801 χ^2/NDF : 1.1/3

Right Out: 3.970 ± 6.740 χ^2/NDF : 20.7/18

Left In: -0.417 ± 11.280 χ^2/NDF : 4.0/2

Left: -0.642 ± 7.801 χ^2/NDF : 5.1/6

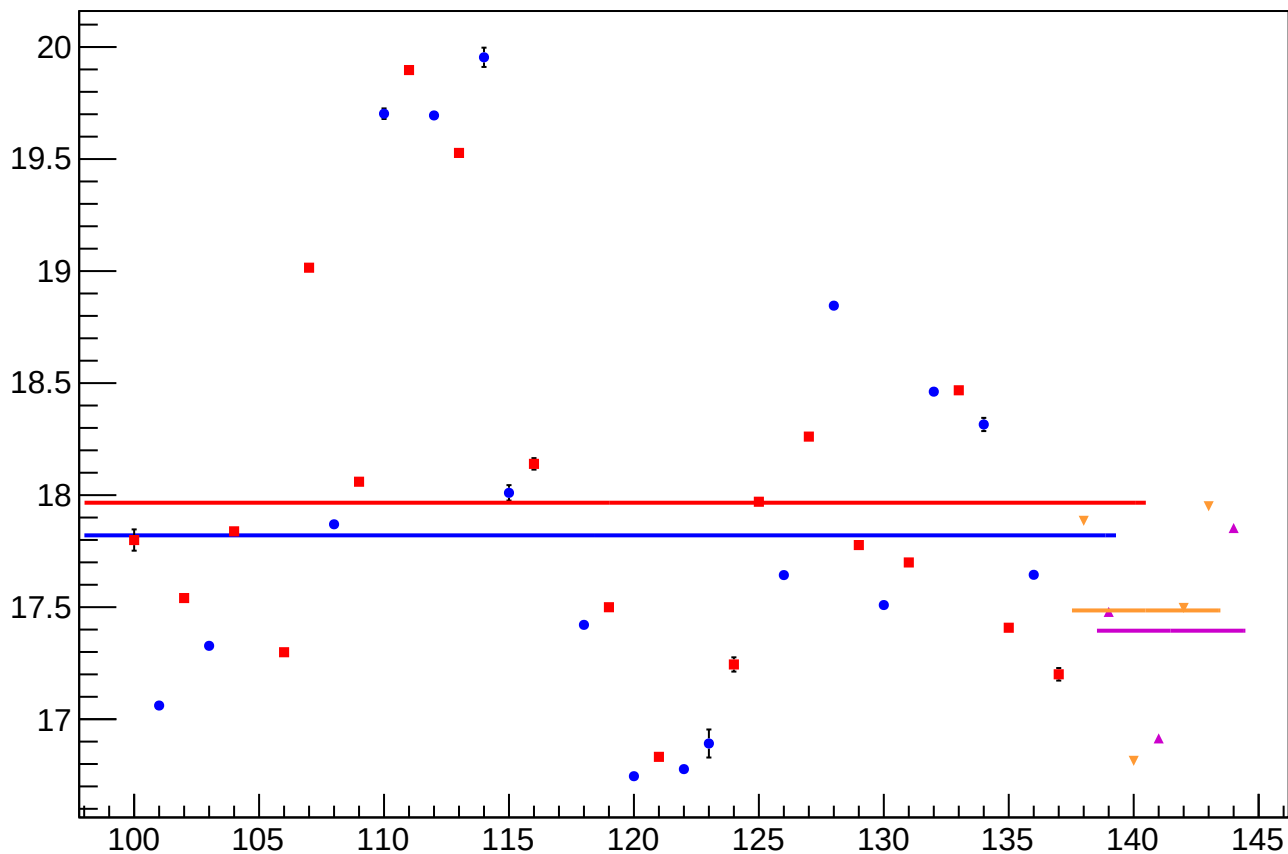
Right: -0.083 ± 4.817 χ^2/NDF : 29.3/35

In: -3.256 ± 5.878 χ^2/NDF : 12.1/19

Out: 2.620 ± 5.718 χ^2/NDF : 21.9/22

All: -0.237 ± 4.099 χ^2/NDF : 34.5/42

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.821+/-0.005 χ^2/NDF : 32283.6/16

Left Out: 17.485+/-0.008 χ^2/NDF : 4161.5/3

Right Out: 17.966+/-0.005 χ^2/NDF : 25320.4/18

Left In: 17.395+/-0.008 χ^2/NDF : 2522.2/2

Left: 17.442+/-0.006 χ^2/NDF : 6750.7/6

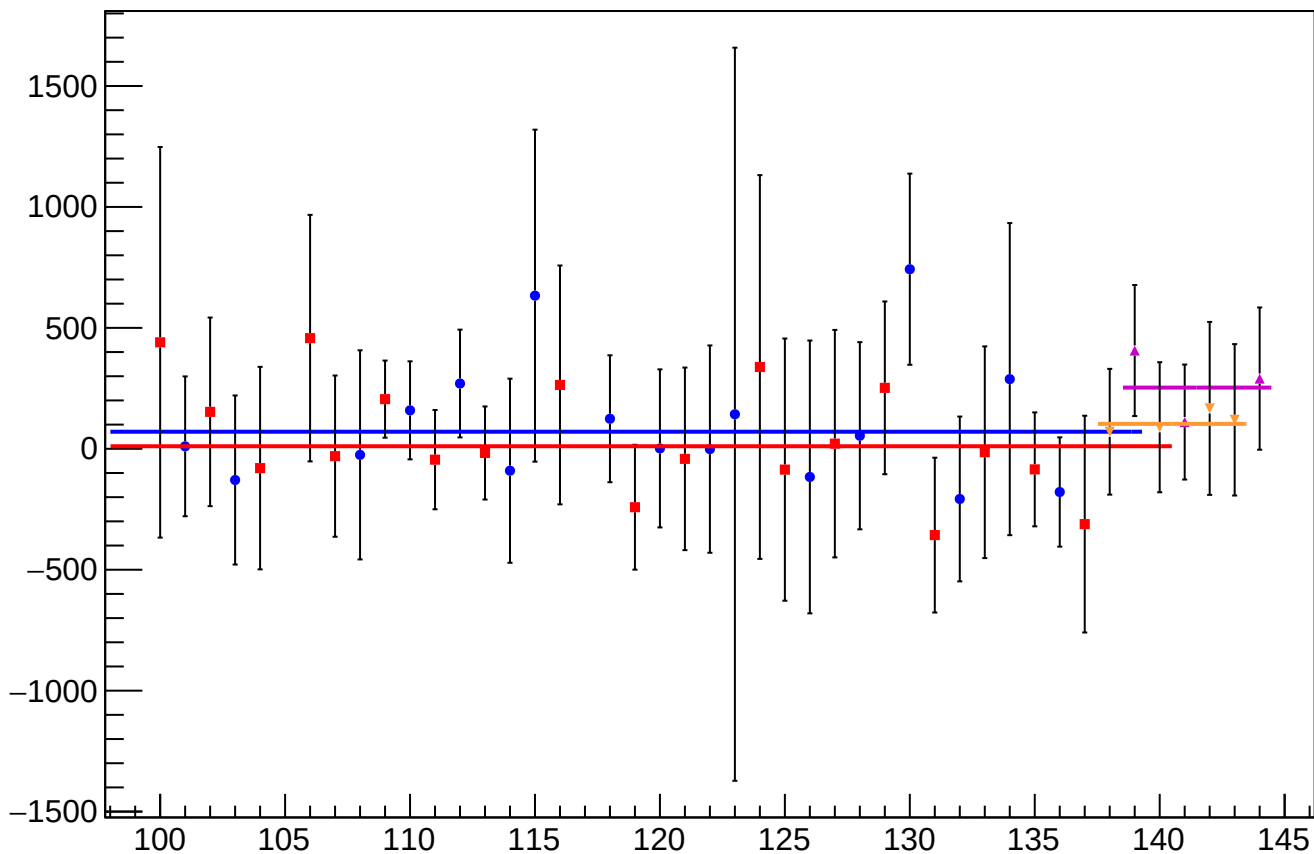
Right: 17.895+/-0.003 χ^2/NDF : 58060.9/35

In: 17.705+/-0.004 χ^2/NDF : 36879.1/19

Out: 17.831+/-0.004 χ^2/NDF : 32333.8/22

All: 17.770+/-0.003 χ^2/NDF : 69688.4/42

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: 103.025+/-146.392 χ^2/NDF : 0.1/3

Right Out: 10.558+/-71.025 χ^2/NDF : 6.7/18

Left In: 253.023+/-152.713 χ^2/NDF : 0.7/2

Left: 174.856+/-105.679 χ^2/NDF : 1.3/6

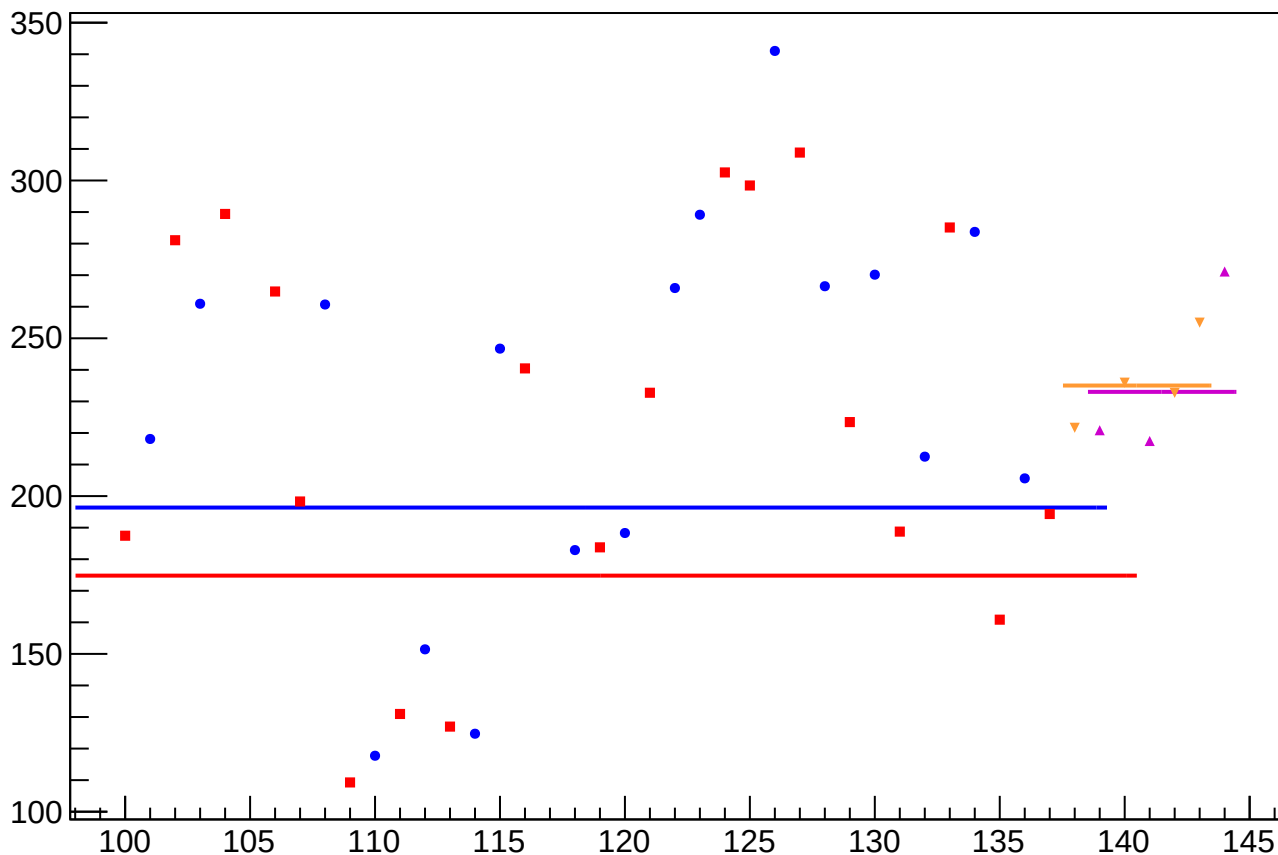
Right: 36.962+/-53.162 χ^2/NDF : 14.4/35

In: 110.014+/-70.982 χ^2/NDF : 9.2/19

Out: 28.176+/-63.901 χ^2/NDF : 7.1/22

All: 64.811+/-47.492 χ^2/NDF : 17.0/42

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: 235.033+/-0.104 χ^2/NDF :13519.4/3

Right Out: 174.800+/-0.050 χ^2/NDF : 1506075.3/18

Left In: 233.024+/-0.108 χ^2/NDF :46233.1/2

Left: 234.071+/-0.075 χ^2/NDF : 59932.9/6

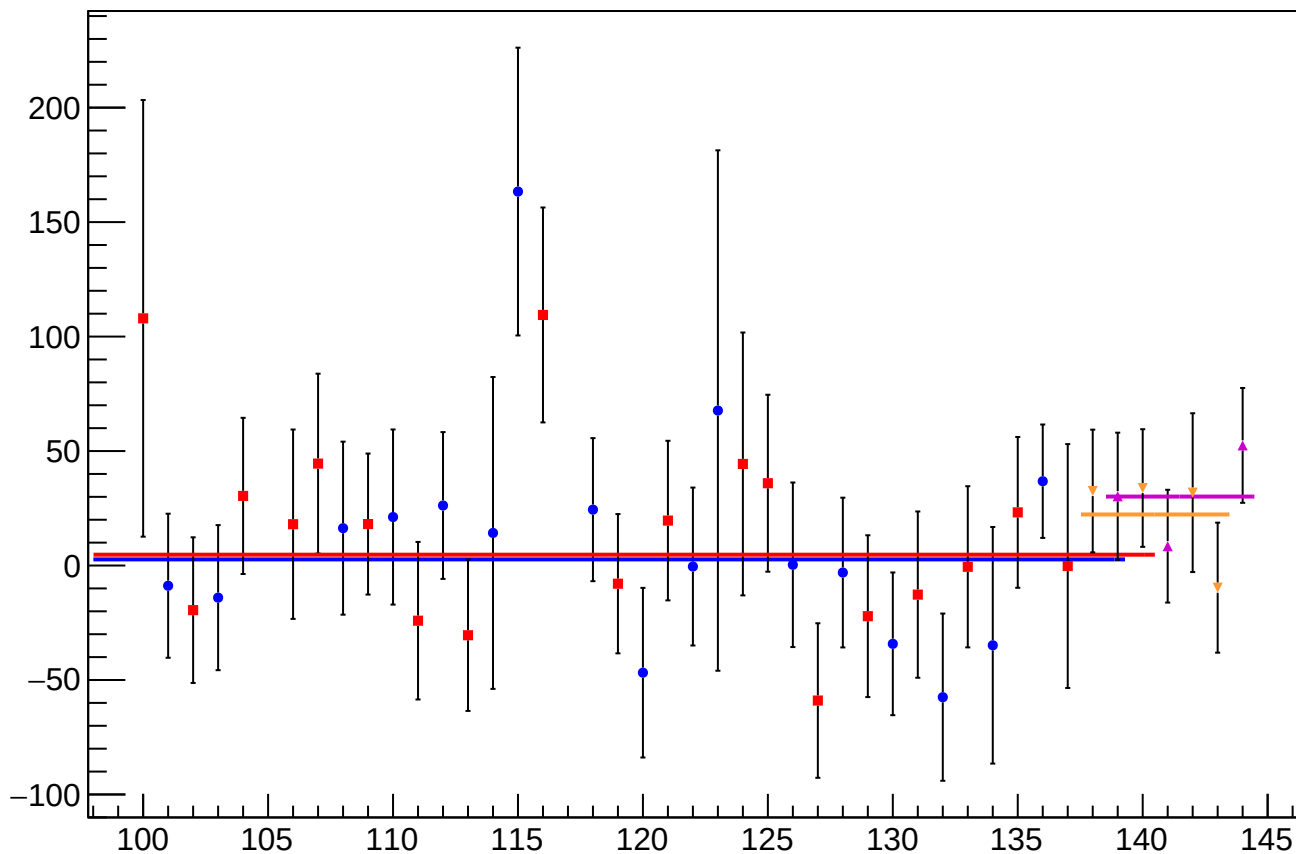
Right: 184.285+/-0.038 χ^2/NDF : 2553145.1/35

In: 204.288+/-0.050 χ^2/NDF :1102526.9/19

Out: 186.277+/-0.045 χ^2/NDF :1793662.4/22

All: 194.340+/-0.034 χ^2/NDF : 2967315.0/42

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.676 ± 8.772 $\chi^2/\text{NDF}: 17.1/16$

Left Out: 22.303 ± 14.173 $\chi^2/\text{NDF}: 1.7/3$

Right Out: 4.736 ± 8.496 $\chi^2/\text{NDF}: 16.6/18$

Left In: 30.121 ± 14.851 $\chi^2/\text{NDF}: 1.6/2$

Left: 26.030 ± 10.253 $\chi^2/\text{NDF}: 3.4/6$

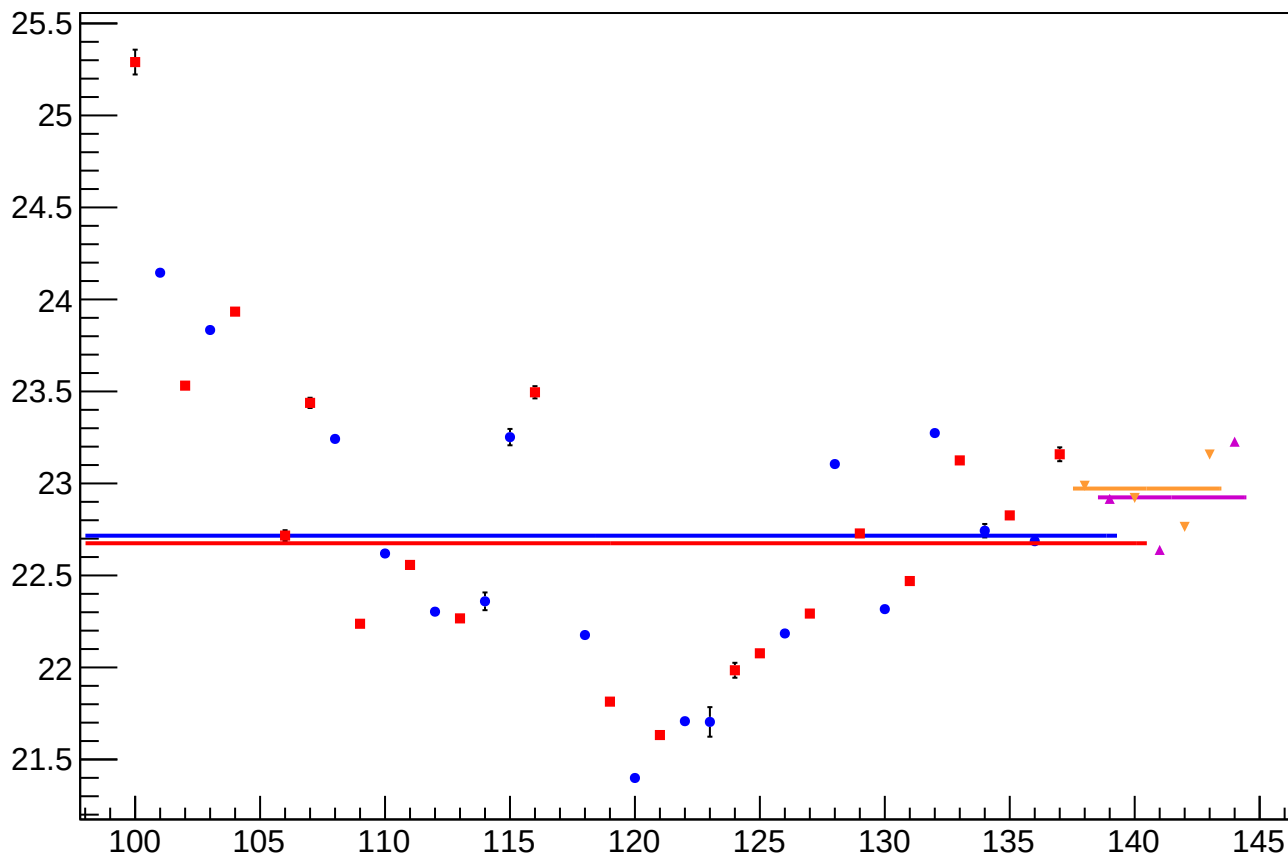
Right: 3.739 ± 6.103 $\chi^2/\text{NDF}: 33.7/35$

In: 9.774 ± 7.553 $\chi^2/\text{NDF}: 21.2/19$

Out: 9.379 ± 7.287 $\chi^2/\text{NDF}: 19.5/22$

All: 9.570 ± 5.244 $\chi^2/\text{NDF}: 40.6/42$

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: 22.972 $\pm$ 0.010 χ^2 /NDF:165.5/3

Right Out: 22.675 $\pm$ 0.006 χ^2 /NDF: 12796.3/18

Left In: 22.924 $\pm$ 0.011 χ^2 /NDF:560.1/2

Left: 22.949 $\pm$ 0.007 χ^2 /NDF: 736.5/6

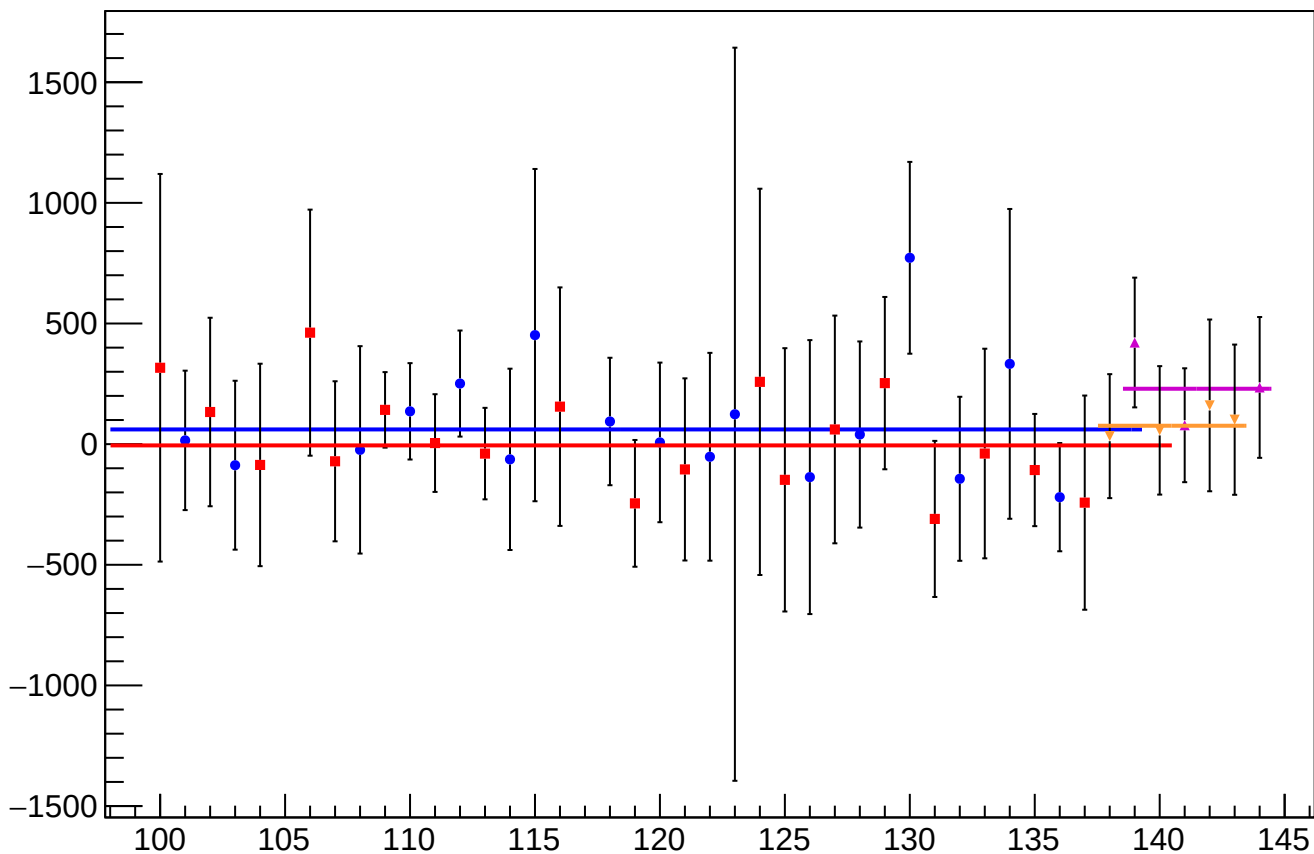
Right: 22.695 $\pm$ 0.004 χ^2 /NDF: 26877.1/35

In: 22.770 $\pm$ 0.005 χ^2 /NDF:14909.9/19

Out: 22.754 $\pm$ 0.005 χ^2 /NDF:13609.1/22

All: 22.761 $\pm$ 0.004 χ^2 /NDF: 28523.9/42

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: 76.285+/-145.133 χ^2/NDF : 0.1/3

Right Out: -5.234+/-70.529 χ^2/NDF : 5.2/18

Left In: 229.589+/-151.575 χ^2/NDF : 0.9/2

Left: 149.610+/-104.828 χ^2/NDF : 1.5/6

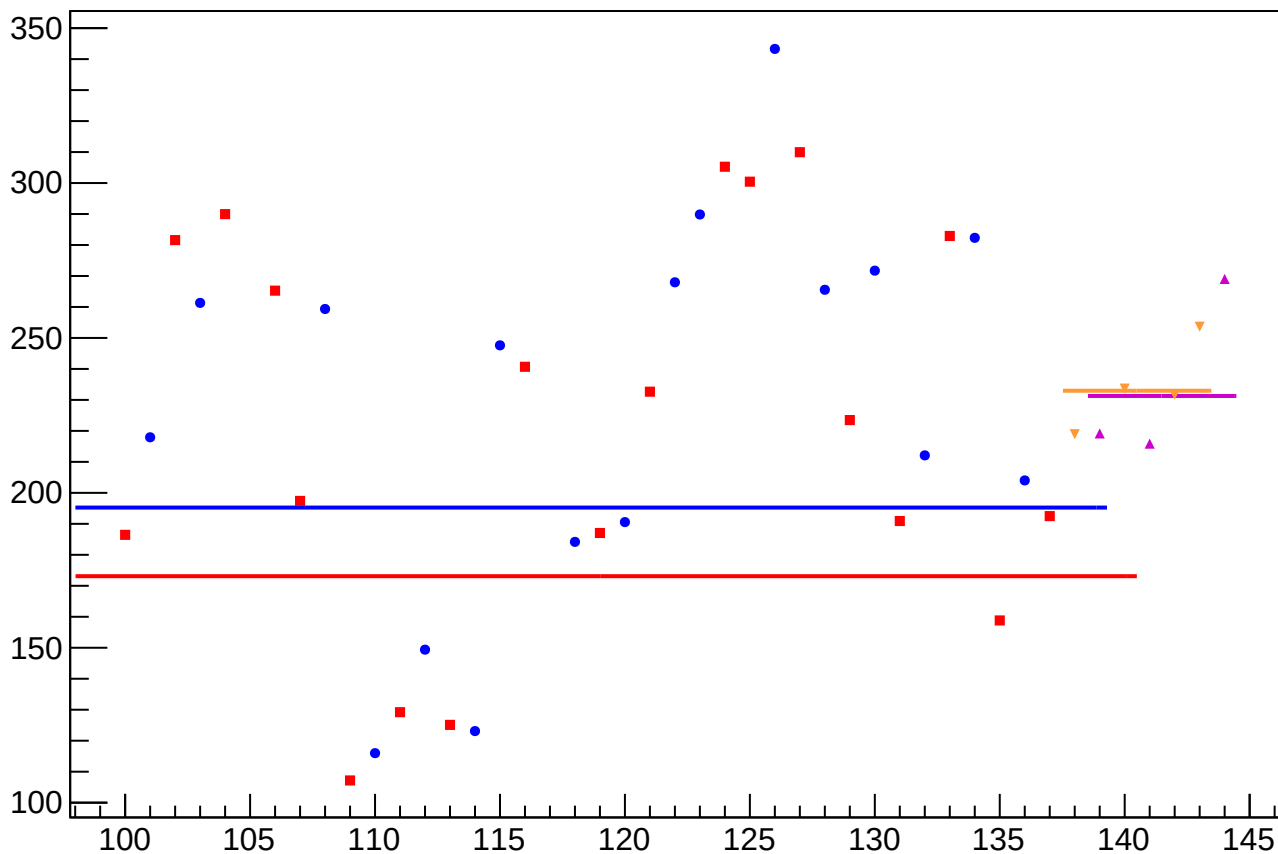
Right: 23.793+/-52.855 χ^2/NDF : 12.7/35

In: 97.588+/-70.630 χ^2/NDF : 9.0/19

Out: 10.340+/-63.435 χ^2/NDF : 5.6/22

All: 49.295+/-47.195 χ^2/NDF : 15.4/42

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.248+/-0.056 χ^2/NDF : 1005332.5/16

Left Out: 232.960+/-0.103 χ^2/NDF :14819.9/3

Right Out: 173.101+/-0.050 χ^2/NDF : 1572691.1/18

Left In: 231.272+/-0.107 χ^2/NDF :46057.6/2

Left: 232.153+/-0.074 χ^2/NDF : 61006.9/6

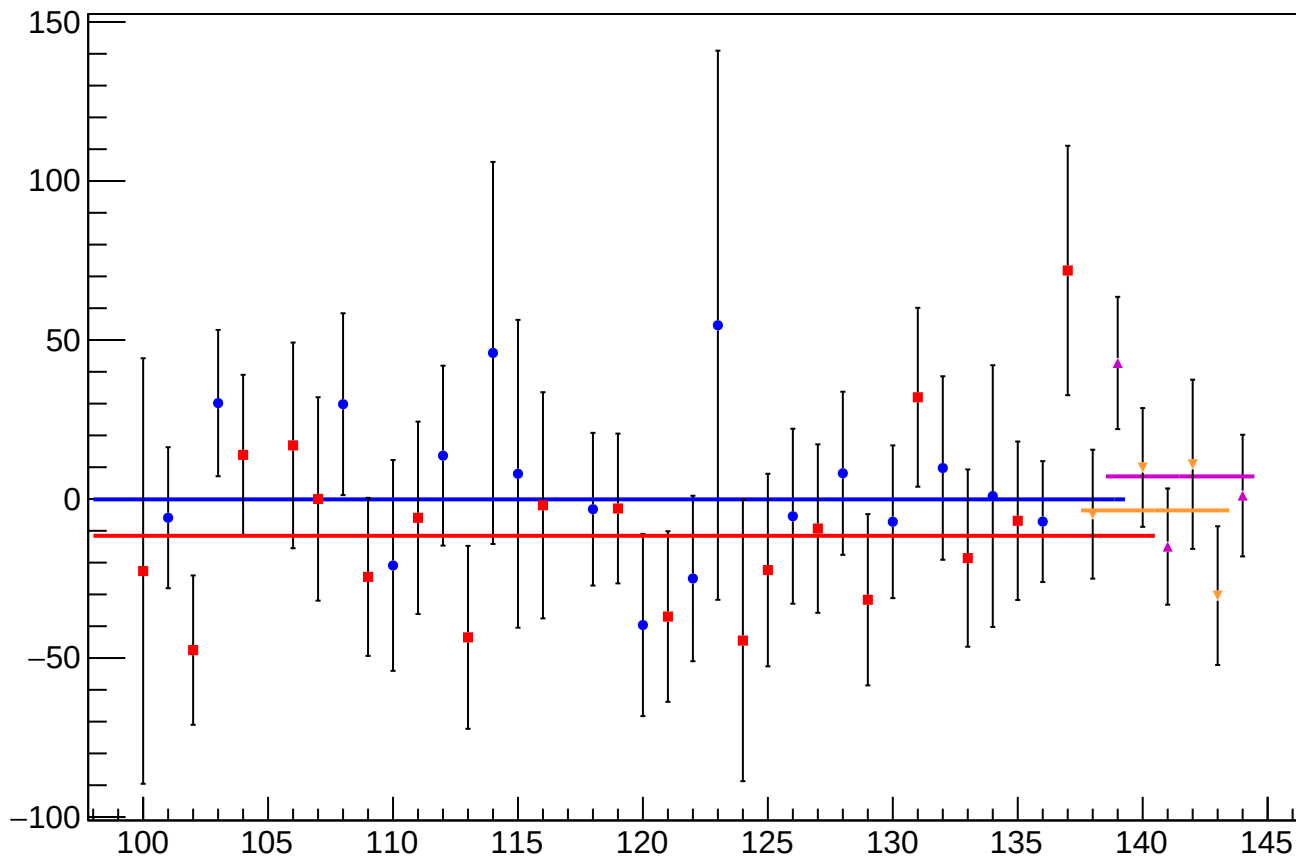
Right: 182.810+/-0.037 χ^2/NDF : 2664478.8/35

In: 203.070+/-0.050 χ^2/NDF :1139830.3/19

Out: 184.537+/-0.045 χ^2/NDF :1862729.8/22

All: 192.812+/-0.033 χ^2/NDF : 3078783.3/42

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: -3.583 ± 10.650 χ^2/NDF : 2.3/3

Right Out: -11.560 ± 6.642 χ^2/NDF : 15.2/18

Left In: 7.107 ± 11.155 χ^2/NDF : 4.5/2

Left: 1.515 ± 7.703 χ^2/NDF : 7.3/6

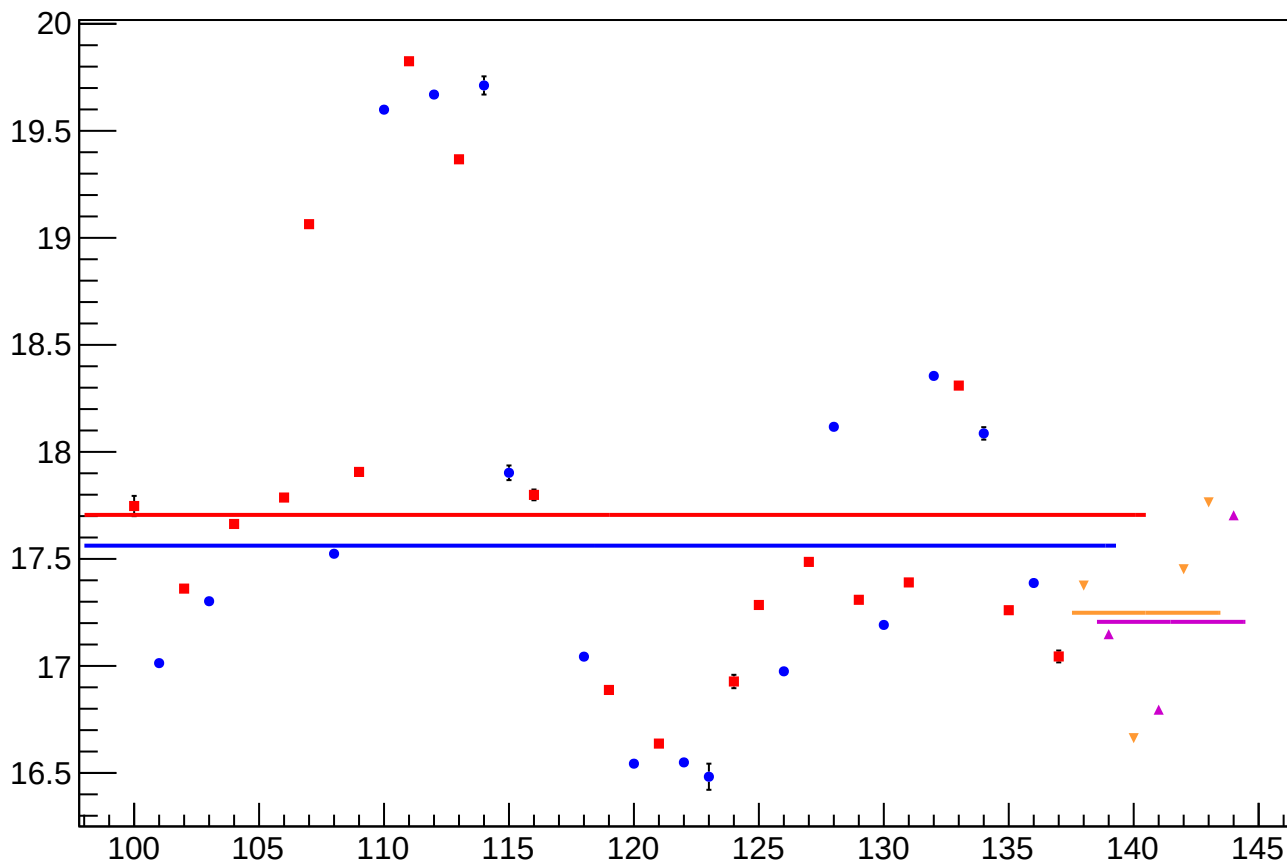
Right: -5.959 ± 4.747 χ^2/NDF : 24.5/35

In: 1.839 ± 5.798 χ^2/NDF : 12.7/19

Out: -9.327 ± 5.636 χ^2/NDF : 17.9/22

All: -3.902 ± 4.041 χ^2/NDF : 32.5/42

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.562 $\pm$ 0.005 χ^2/NDF : 33937.0/16

Left Out: 17.248 $\pm$ 0.008 χ^2/NDF :3282.9/3

Right Out: 17.706 $\pm$ 0.005 χ^2/NDF : 30251.5/18

Left In: 17.206 $\pm$ 0.008 χ^2/NDF :2377.4/2

Left: 17.228 $\pm$ 0.005 χ^2/NDF : 5675.5/6

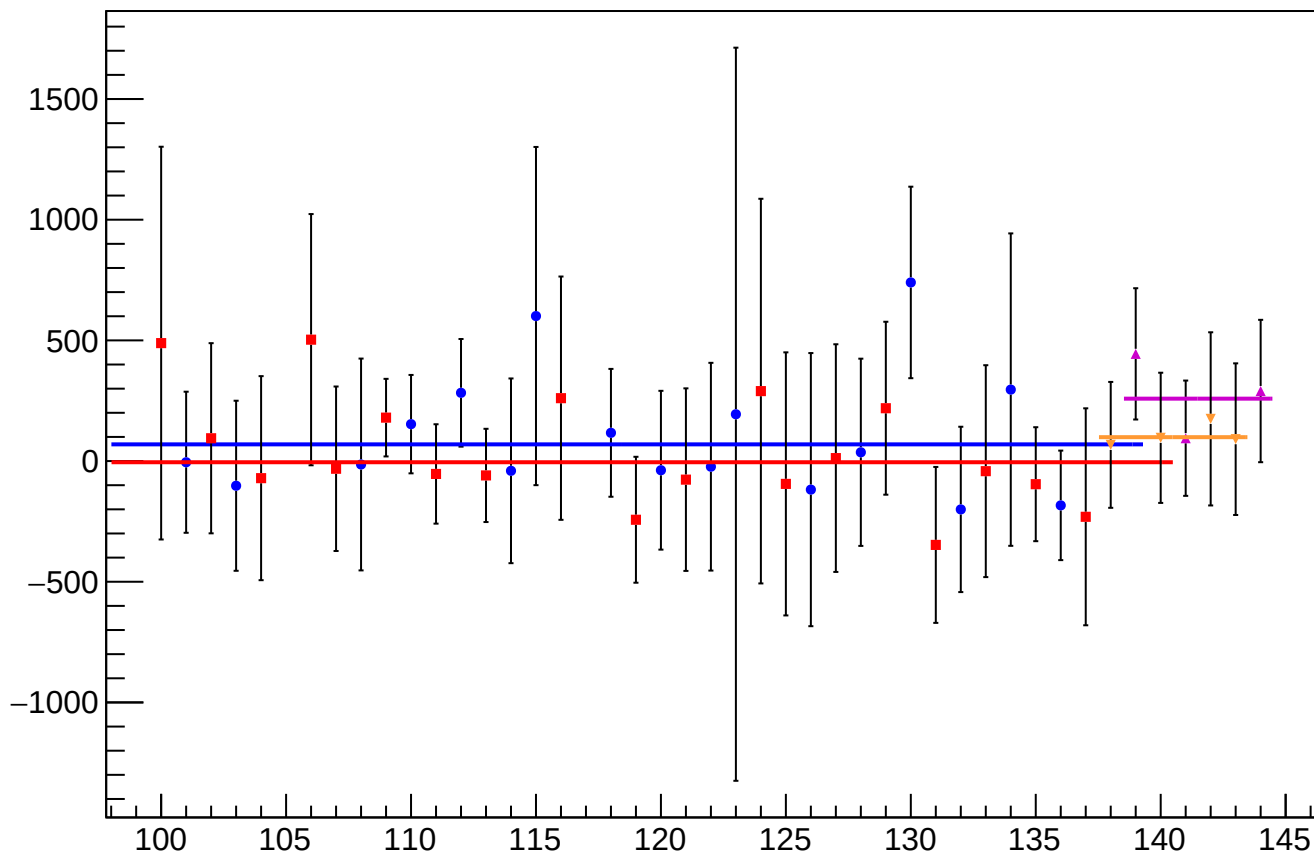
Right: 17.635 $\pm$ 0.003 χ^2/NDF : 64646.6/35

In: 17.466 $\pm$ 0.004 χ^2/NDF :37801.1/19

Out: 17.578 $\pm$ 0.004 χ^2/NDF :36188.2/22

All: 17.523 $\pm$ 0.003 χ^2/NDF : 74371.9/42

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: 99.000+/-146.877 χ^2/NDF : 0.1/3

Right Out: -4.849+/-71.521 χ^2/NDF : 6.1/18

Left In: 258.583+/-153.304 χ^2/NDF : 0.9/2

Left: 175.376+/-106.057 χ^2/NDF : 1.6/6

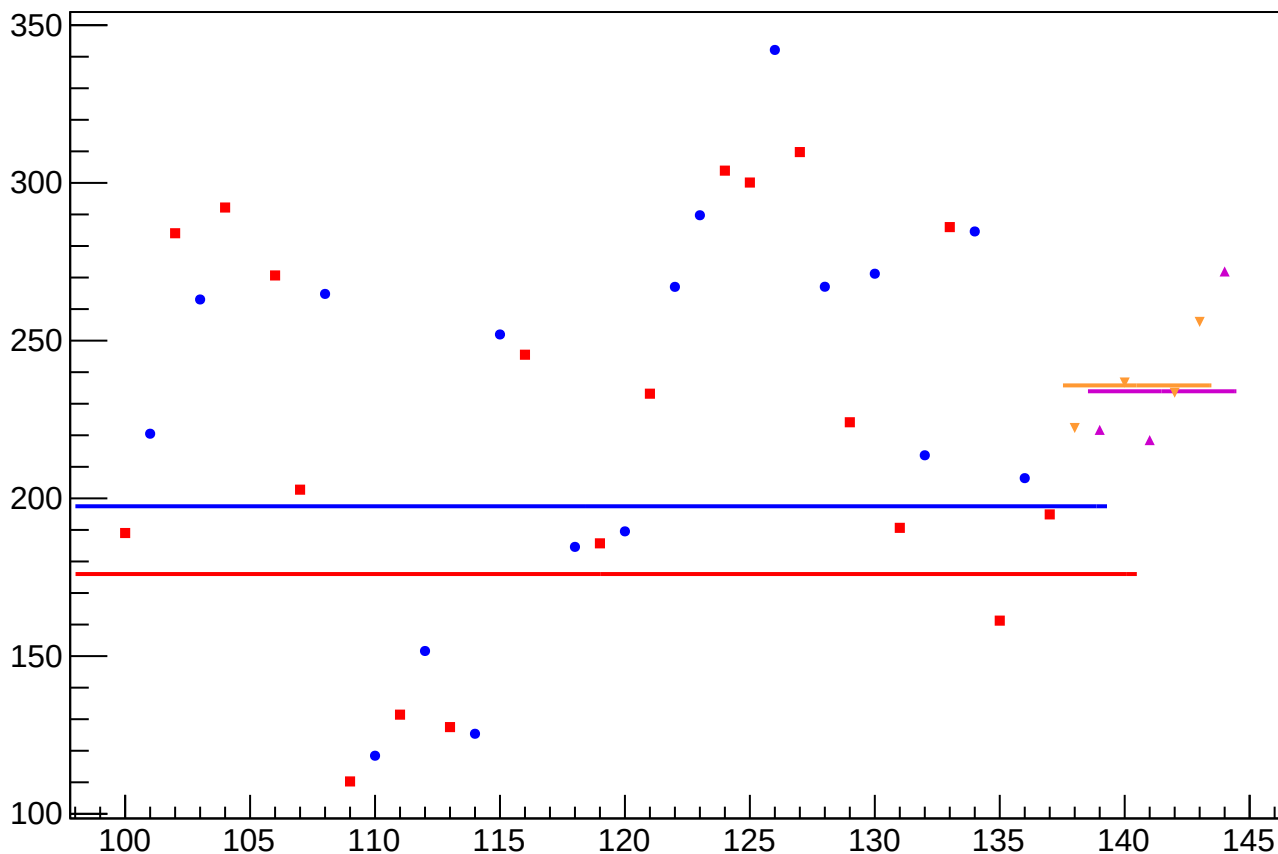
Right: 27.765+/-53.506 χ^2/NDF : 13.8/35

In: 110.252+/-71.364 χ^2/NDF : 9.4/19

Out: 15.056+/-64.303 χ^2/NDF : 6.6/22

All: 57.712+/-47.771 χ^2/NDF : 16.9/42

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: 235.810 $\pm$ 0.104 χ^2 /NDF:13680.1/3

Right Out: 176.016 $\pm$ 0.051 χ^2 /NDF: 1514778.3/18

Left In: 233.947 $\pm$ 0.108 χ^2 /NDF:45612.5/2

Left: 234.919 $\pm$ 0.075 χ^2 /NDF: 59446.6/6

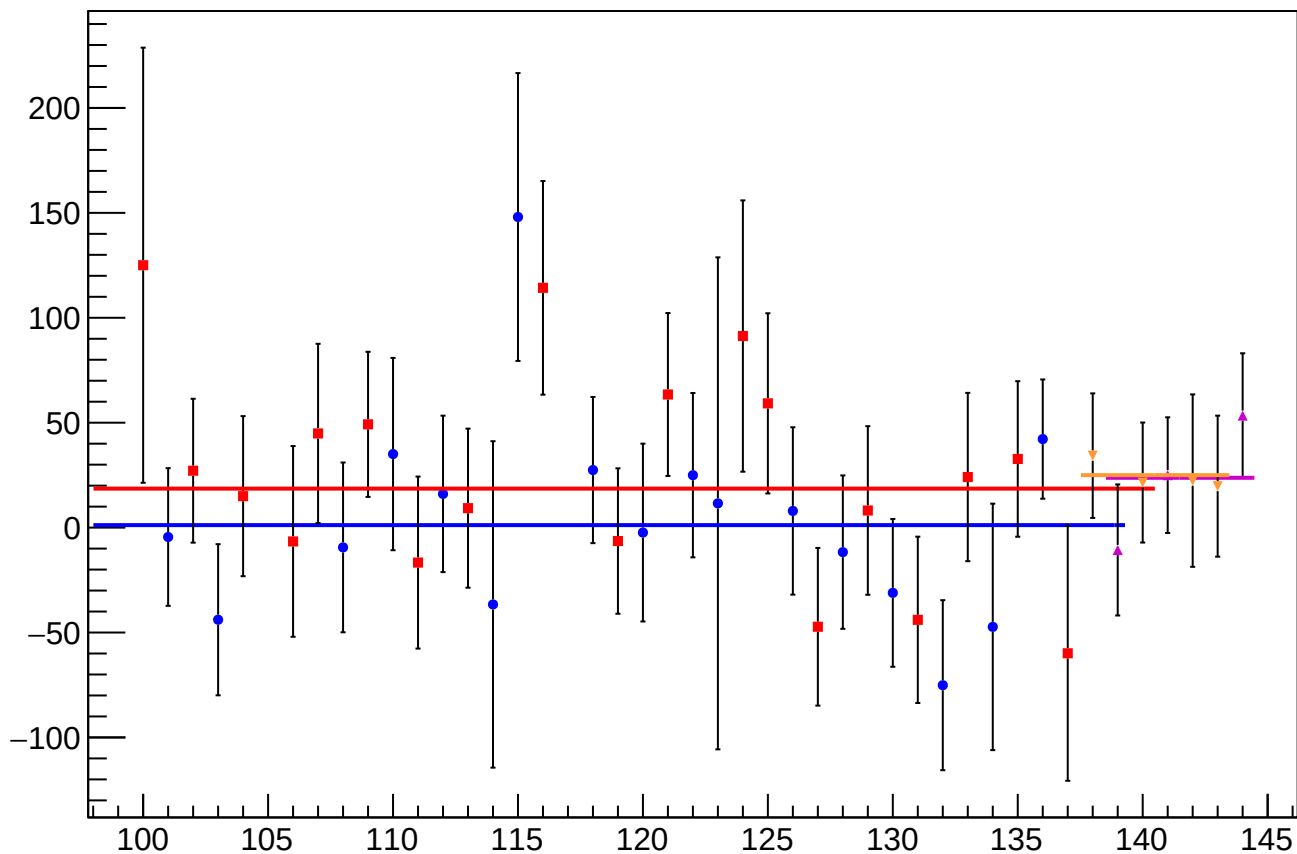
Right: 185.475 $\pm$ 0.038 χ^2 /NDF: 2565103.3/35

In: 205.396 $\pm$ 0.050 χ^2 /NDF:1105053.2/19

Out: 187.477 $\pm$ 0.045 χ^2 /NDF:1796395.4/22

All: 195.506 $\pm$ 0.034 χ^2 /NDF: 2971045.6/42

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: 25.015 ± 16.145 $\chi^2/\text{NDF}: 0.1/3$

Right Out: 18.582 ± 9.518 $\chi^2/\text{NDF}: 18.4/18$

Left In: 23.743 ± 16.963 $\chi^2/\text{NDF}: 2.2/2$

Left: 24.410 ± 11.695 $\chi^2/\text{NDF}: 2.4/6$

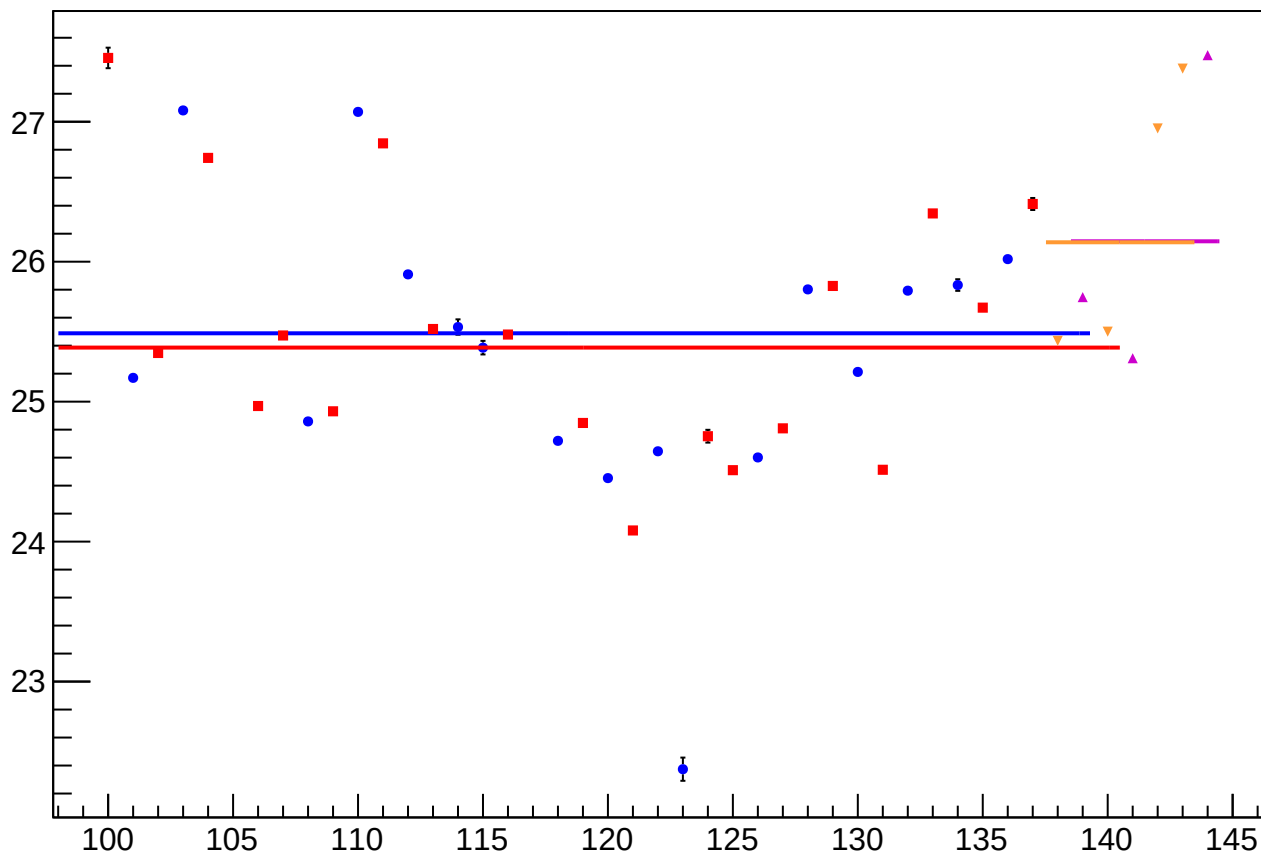
Right: 10.182 ± 6.844 $\chi^2/\text{NDF}: 35.5/35$

In: 6.874 ± 8.517 $\chi^2/\text{NDF}: 19.0/19$

Out: 20.241 ± 8.199 $\chi^2/\text{NDF}: 18.7/22$

All: 13.812 ± 5.907 $\chi^2/\text{NDF}: 38.9/42$

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: 26.139 $\pm$ 0.011 χ^2 /NDF:5635.8/3

Right Out: 25.386 $\pm$ 0.007 χ^2 /NDF: 13699.1/18

Left In: 26.146 $\pm$ 0.012 χ^2 /NDF:6173.5/2

Left: 26.142 $\pm$ 0.008 χ^2 /NDF: 11809.5/6

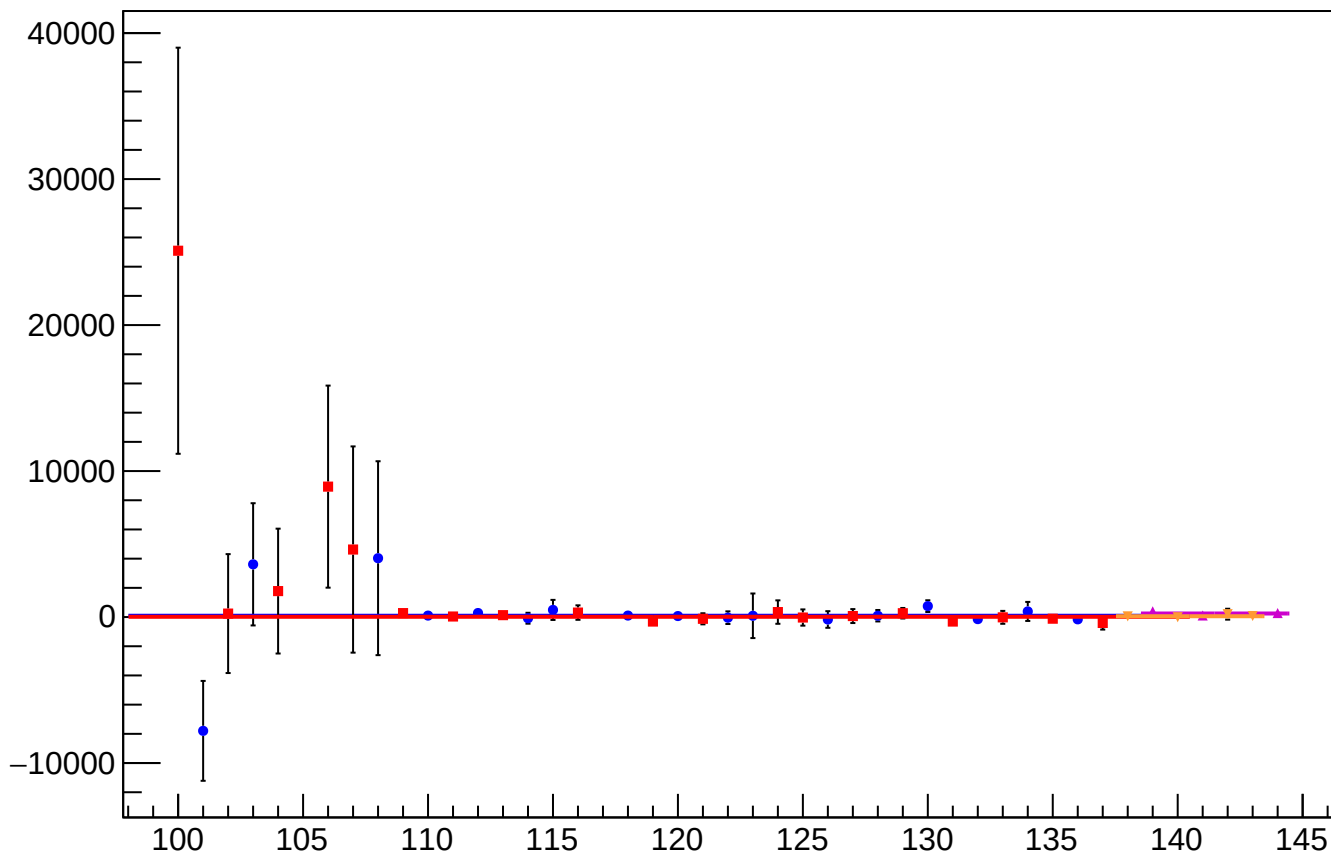
Right: 25.436 $\pm$ 0.005 χ^2 /NDF: 27678.0/35

In: 25.654 $\pm$ 0.006 χ^2 /NDF:22287.1/19

Out: 25.580 $\pm$ 0.006 χ^2 /NDF:22558.4/22

All: 25.616 $\pm$ 0.004 χ^2 /NDF: 44923.3/42

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: 56.016+/-147.293 χ^2/NDF : 0.2/3

Right Out: 18.864+/-80.923 χ^2/NDF : 12.0/18

Left In: 243.175+/-152.633 χ^2/NDF : 0.7/2

Left: 146.264+/-105.989 χ^2/NDF : 1.7/6

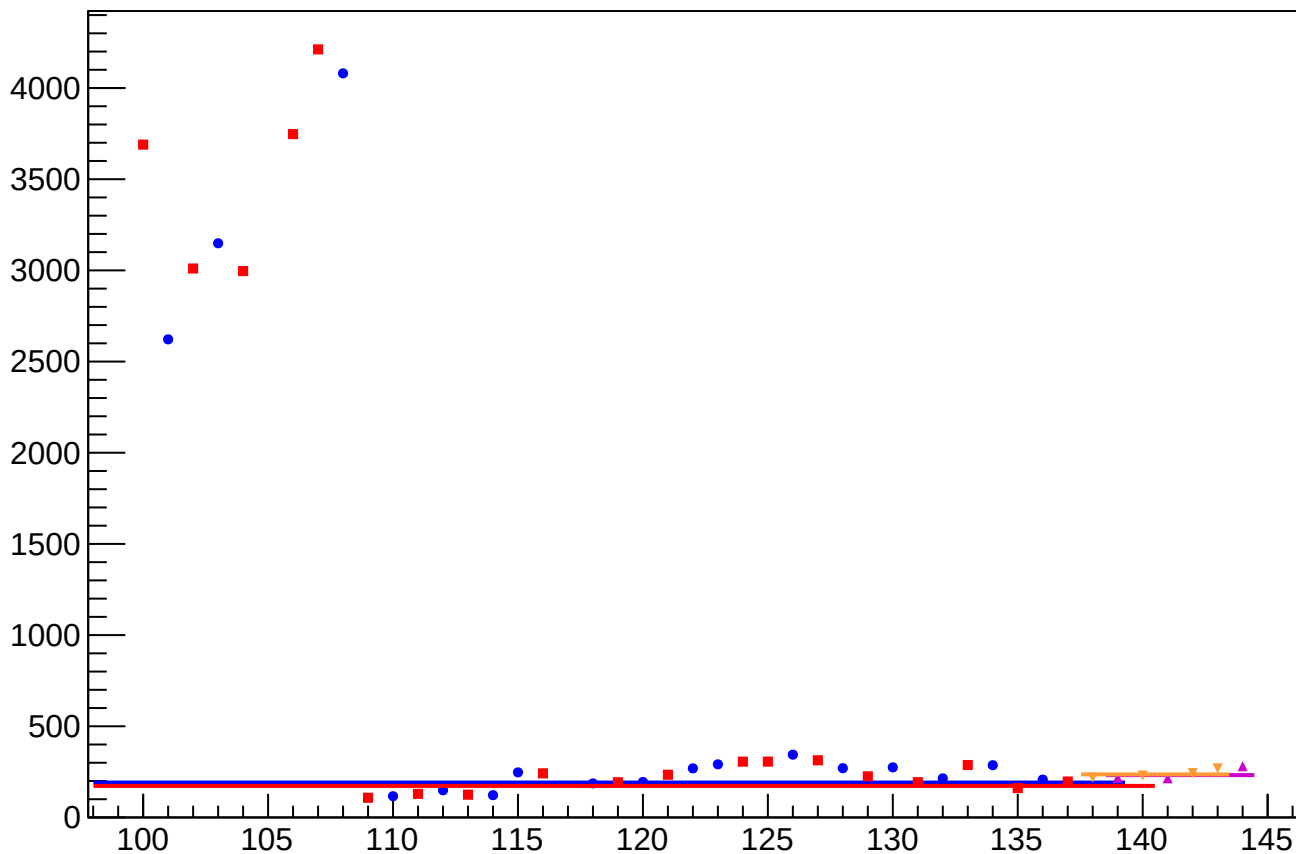
Right: 51.137+/-59.541 χ^2/NDF : 24.8/35

In: 127.585+/-76.185 χ^2/NDF : 13.9/19

Out: 27.478+/-70.924 χ^2/NDF : 12.2/22

All: 73.956+/-51.911 χ^2/NDF : 27.1/42

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: 235.959+/-0.104 χ^2/NDF :30996.3/3

Right Out: 173.068+/-0.057 χ^2/NDF : 4201509.7/18

Left In: 232.252+/-0.108 χ^2/NDF :68132.5/2

Left: 234.171+/-0.075 χ^2/NDF : 99739.6/6

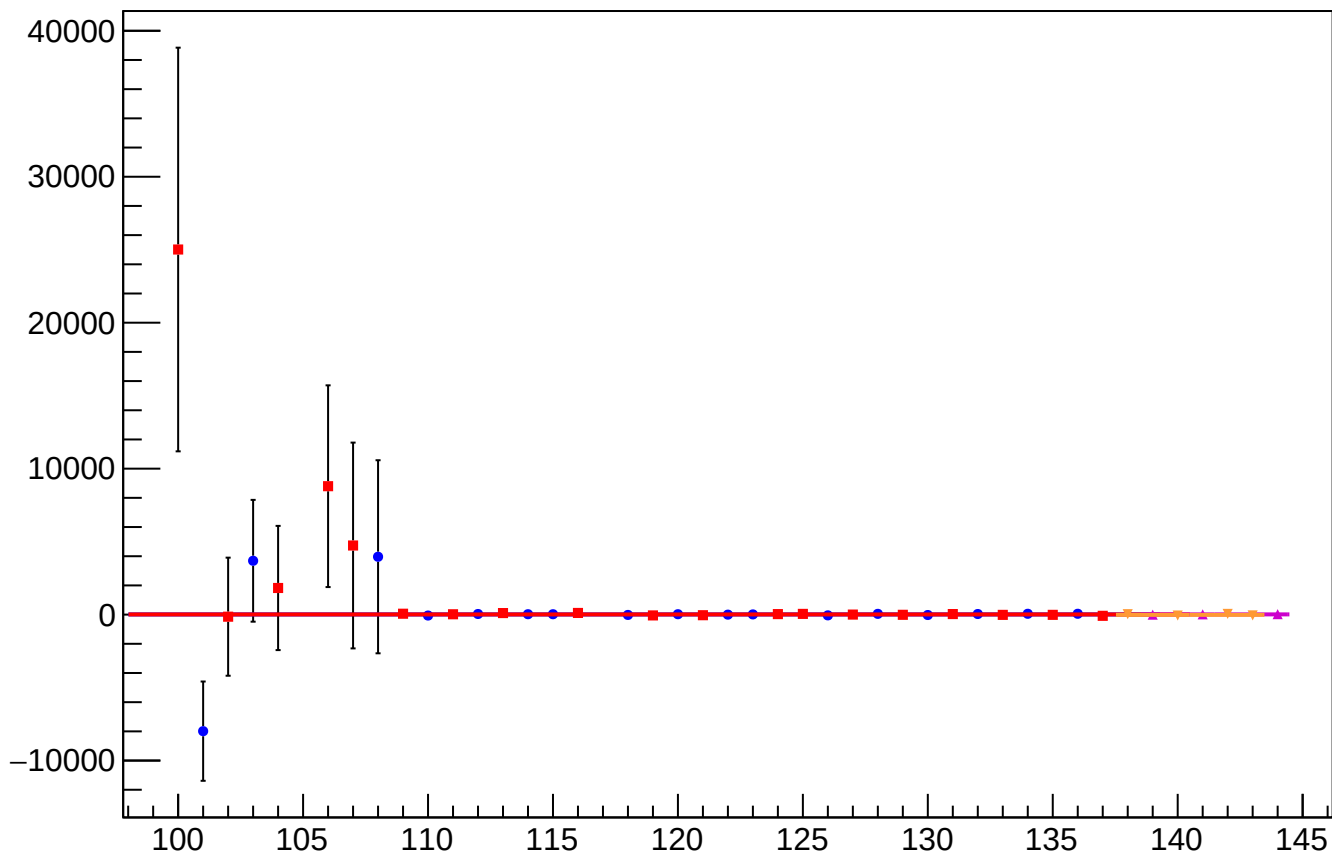
Right: 181.486+/-0.042 χ^2/NDF : 7822251.9/35

In: 201.595+/-0.054 χ^2/NDF :3749144.9/19

Out: 187.650+/-0.050 χ^2/NDF :4512580.2/22

All: 194.124+/-0.037 χ^2/NDF : 8297620.3/42

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: -16.696+/-18.764 χ^2/NDF : 6.4/3

Right Out: 11.883+/-12.264 χ^2/NDF : 23.9/18

Left In: 15.438+/-19.285 χ^2/NDF : 0.5/2

Left: -1.069+/-13.449 χ^2/NDF : 8.3/6

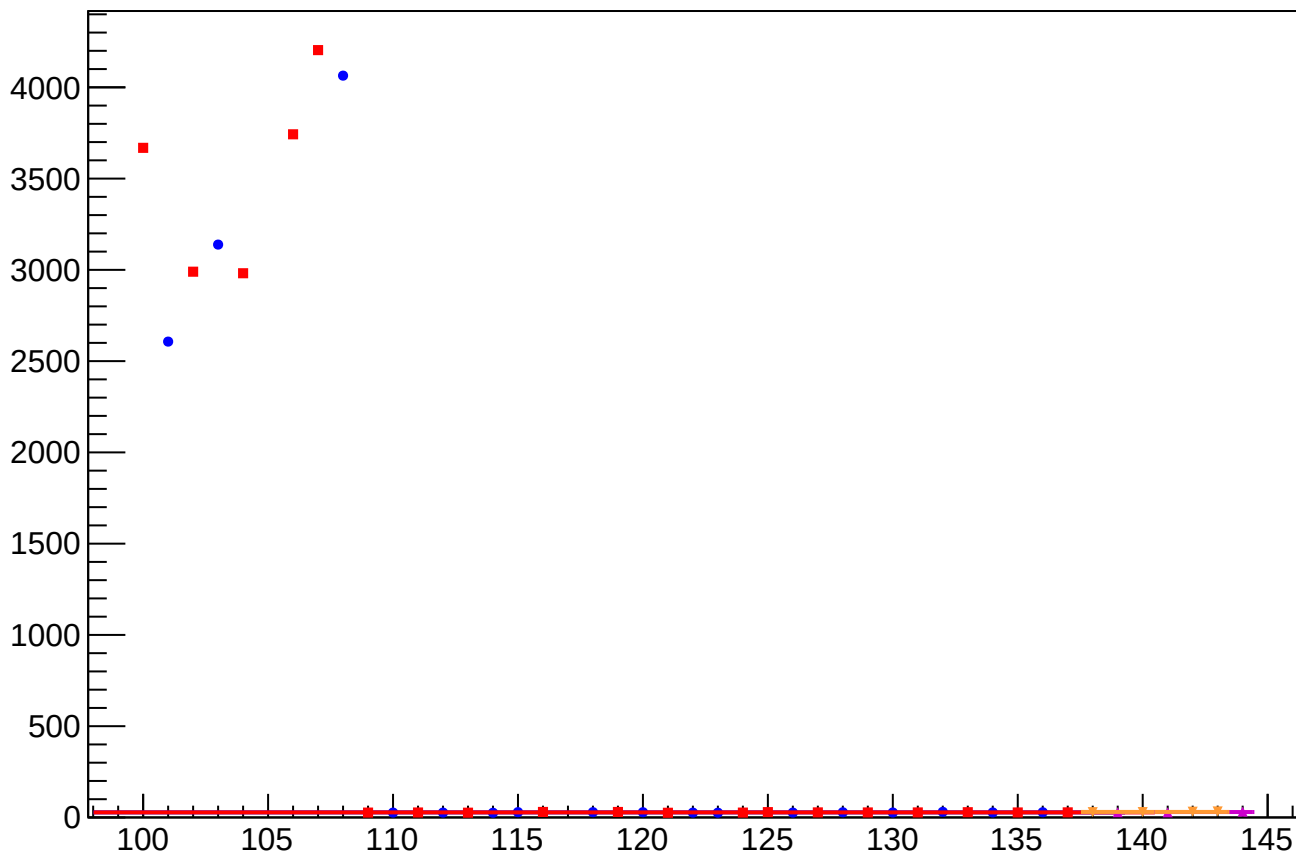
Right: 11.673+/-8.659 χ^2/NDF : 42.1/35

In: 12.604+/-10.326 χ^2/NDF : 18.8/19

Out: 3.329+/-10.266 χ^2/NDF : 31.9/22

All: 7.939+/-7.280 χ^2/NDF : 51.1/42

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.858+/-0.009 χ^2/NDF : 3026949.6/16

Left Out: 30.269+/-0.013 χ^2/NDF :14227.9/3

Right Out: 27.714+/-0.009 χ^2/NDF : 3476894.0/18

Left In: 29.665+/-0.014 χ^2/NDF :16961.3/2

Left: 29.975+/-0.010 χ^2/NDF : 32198.4/6

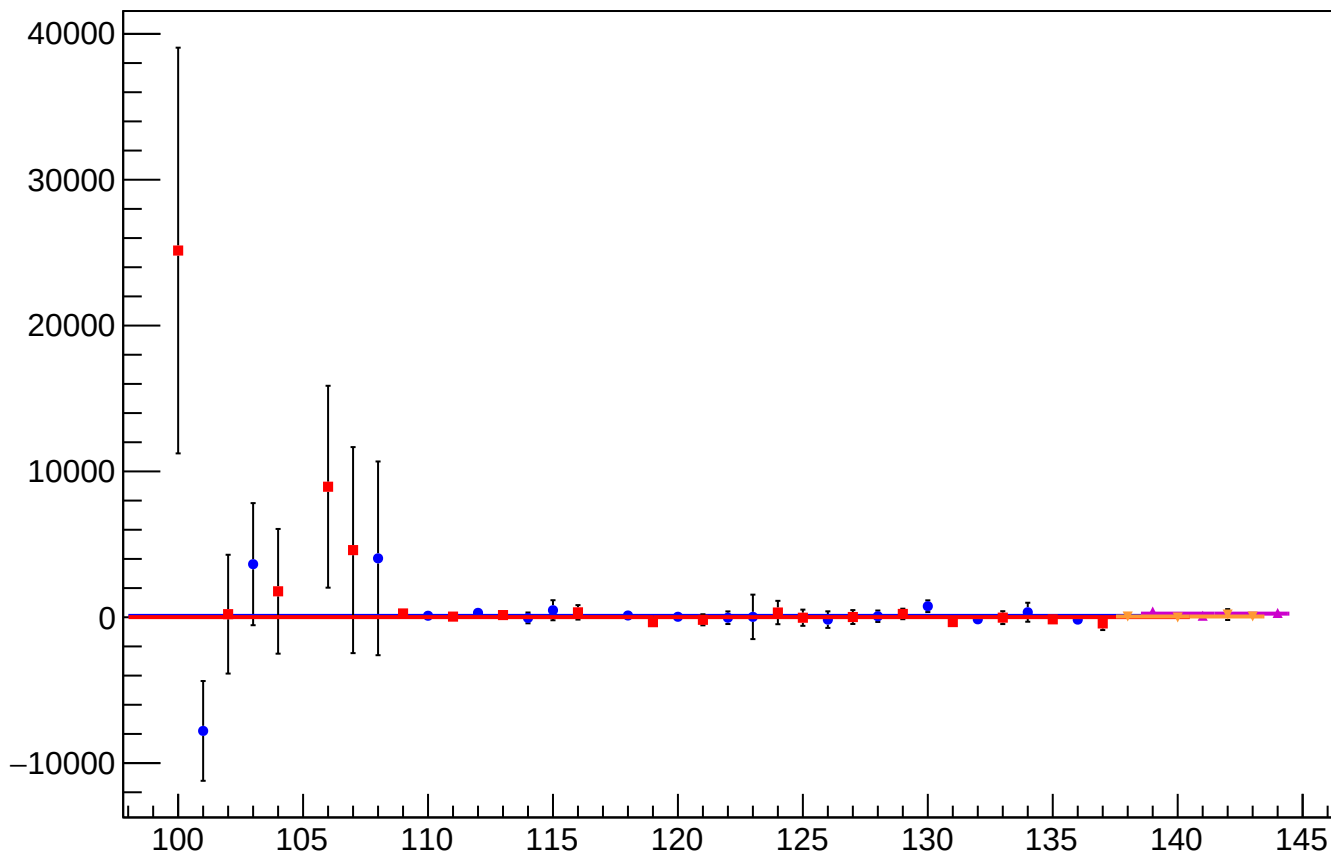
Right: 27.786+/-0.006 χ^2/NDF : 6503982.3/35

In: 28.376+/-0.007 χ^2/NDF :3056435.0/19

Out: 28.479+/-0.007 χ^2/NDF :3517116.5/22

All: 28.428+/-0.005 χ^2/NDF : 6573650.9/42

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: 51.891+/-146.959 χ^2/NDF : 0.2/3

Right Out: 9.116+/-80.662 χ^2/NDF : 12.8/18

Left In: 248.000+/-152.316 χ^2/NDF : 0.7/2

Left: 146.436+/-105.759 χ^2/NDF : 1.7/6

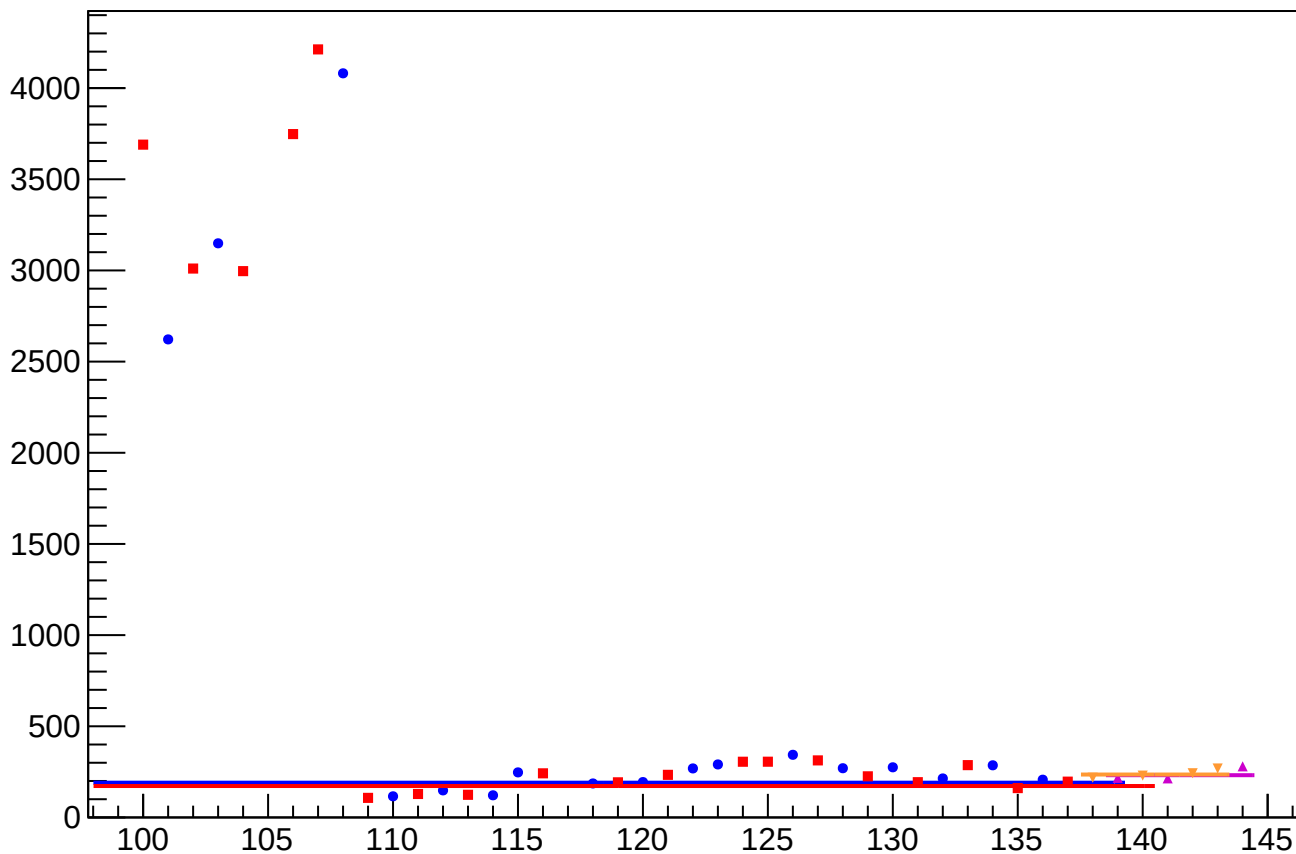
Right: 47.952+/-59.352 χ^2/NDF : 26.0/35

In: 132.161+/-75.967 χ^2/NDF : 14.2/19

Out: 19.019+/-70.711 χ^2/NDF : 13.0/22

All: 71.540+/-51.759 χ^2/NDF : 28.4/42

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: 235.416 $\pm$ 0.104 χ^2 /NDF:31333.4/3

Right Out: 172.402 $\pm$ 0.057 χ^2 /NDF: 4212674.3/18

Left In: 231.768 $\pm$ 0.108 χ^2 /NDF:68085.3/2

Left: 233.657 $\pm$ 0.075 χ^2 /NDF: 100012.7/6

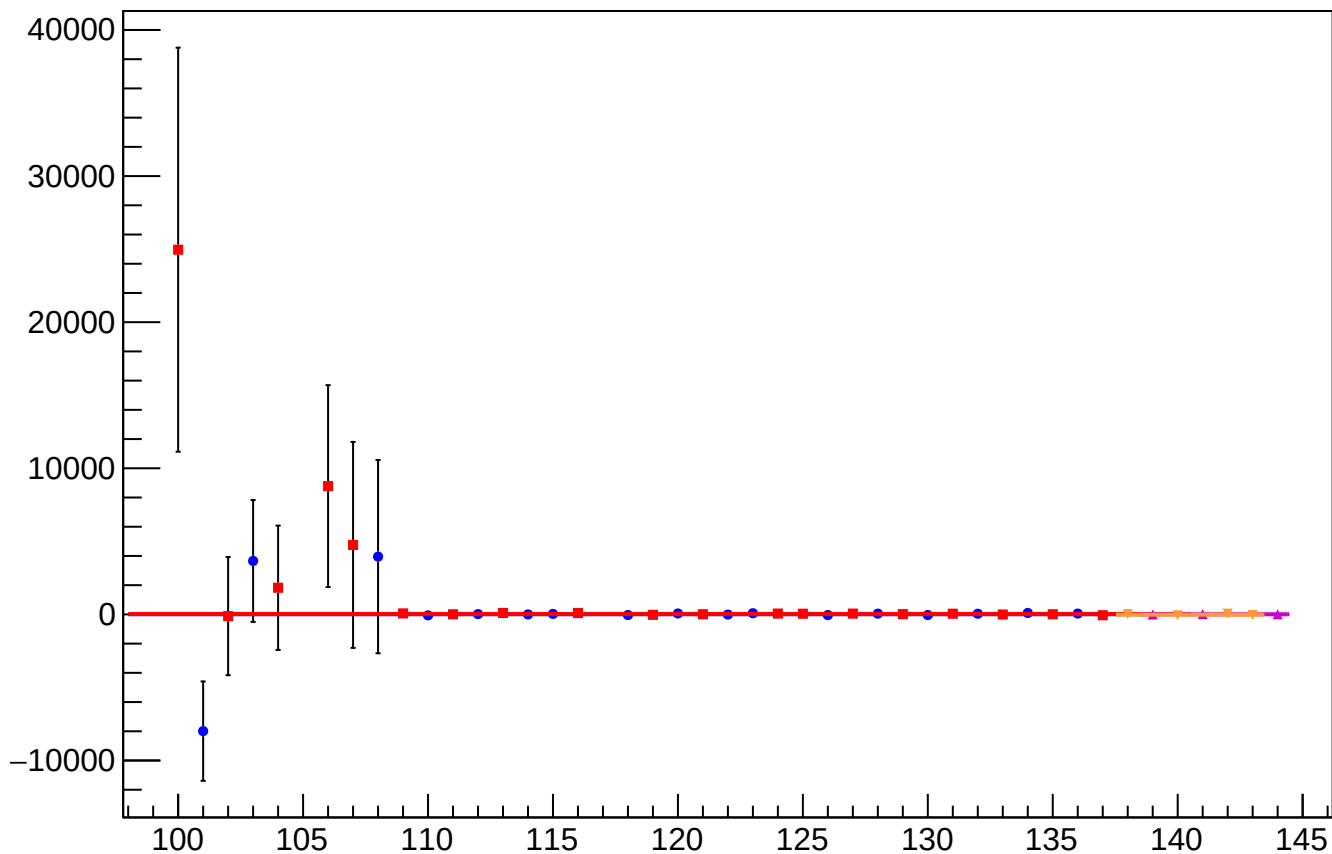
Right: 180.799 $\pm$ 0.042 χ^2 /NDF: 7845341.0/35

In: 200.925 $\pm$ 0.054 χ^2 /NDF:3762654.4/19

Out: 186.991 $\pm$ 0.050 χ^2 /NDF:4526588.1/22

All: 193.459 $\pm$ 0.037 χ^2 /NDF: 8325295.0/42

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: -16.666+/-18.868 χ^2/NDF : 5.7/3

Right Out: 28.414+/-12.365 χ^2/NDF : 16.2/18

Left In: 9.747+/-19.371 χ^2/NDF : 0.4/2

Left: -3.808+/-13.516 χ^2/NDF : 7.1/6

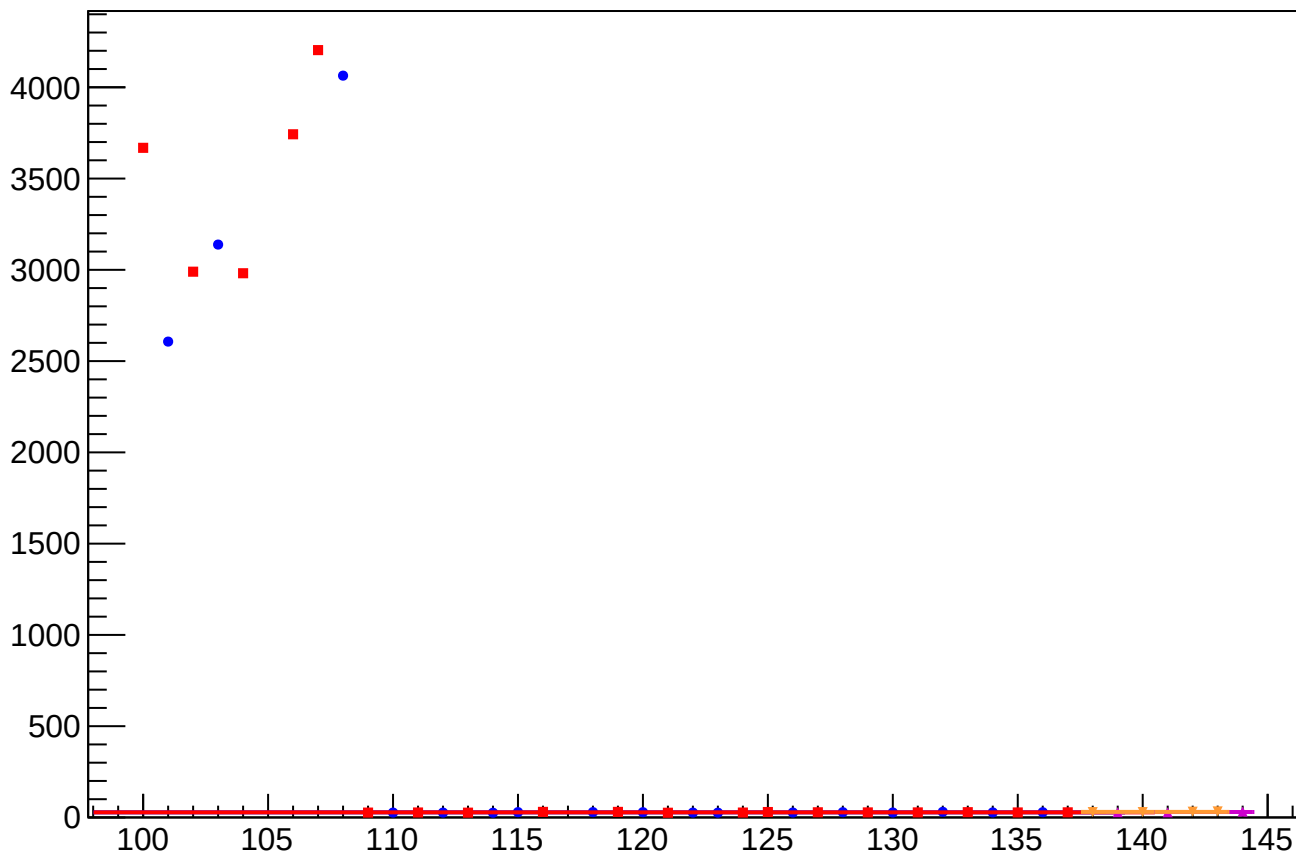
Right: 18.908+/-8.724 χ^2/NDF : 39.9/35

In: 9.561+/-10.389 χ^2/NDF : 22.9/19

Out: 14.870+/-10.342 χ^2/NDF : 25.9/22

All: 12.228+/-7.329 χ^2/NDF : 48.9/42

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: 30.435 $\pm$ 0.013 χ^2 /NDF:14473.3/3

Right Out: 27.934 $\pm$ 0.009 χ^2 /NDF: 3479779.2/18

Left In: 29.792 $\pm$ 0.014 χ^2 /NDF:18098.2/2

Left: 30.122 $\pm$ 0.010 χ^2 /NDF: 33702.8/6

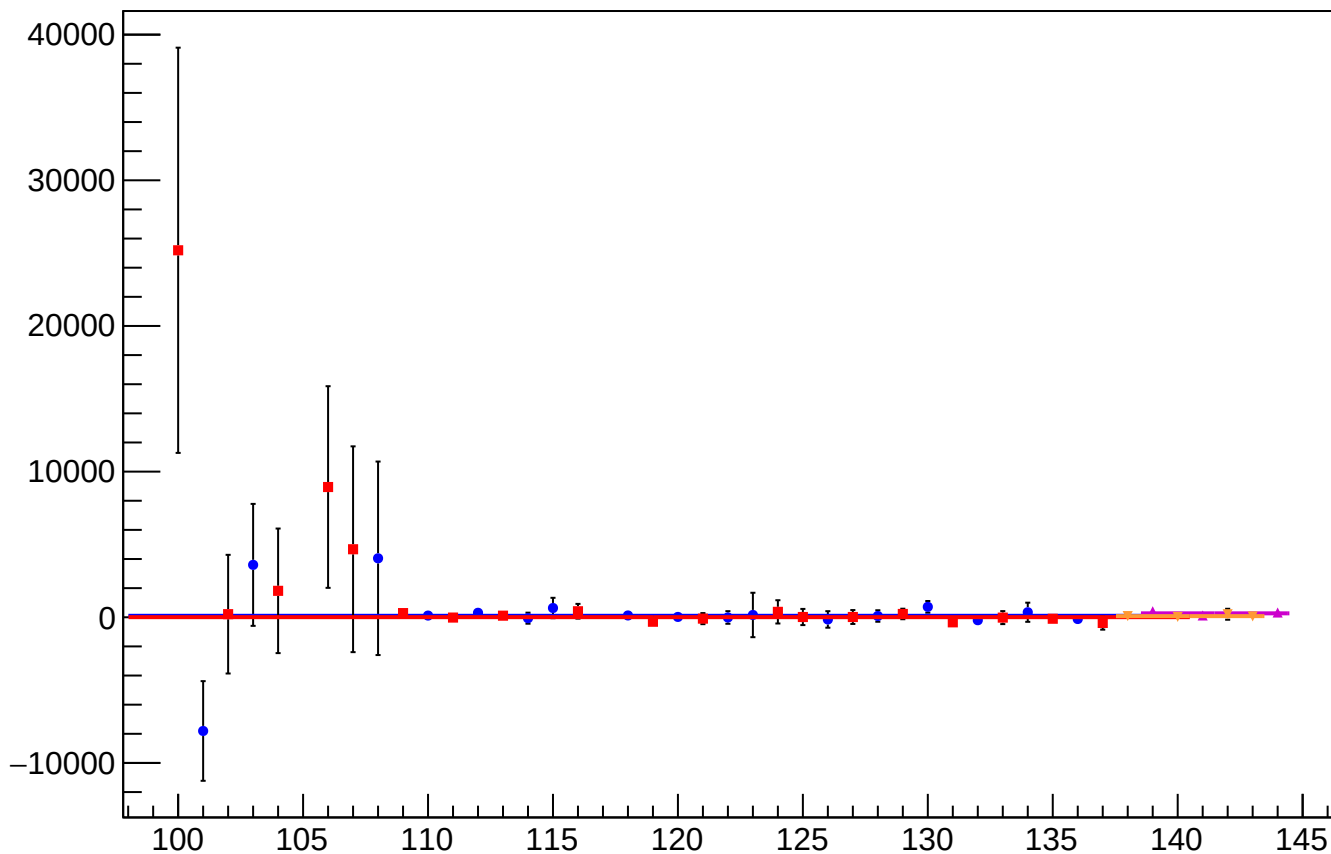
Right: 27.988 $\pm$ 0.006 χ^2 /NDF: 6507169.2/35

In: 28.545 $\pm$ 0.007 χ^2 /NDF:3057045.4/19

Out: 28.686 $\pm$ 0.007 χ^2 /NDF:3518821.5/22

All: 28.615 $\pm$ 0.005 χ^2 /NDF: 6576051.8/42

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 101.587+/-88.682 χ^2/NDF : 12.5/16

Left Out: 78.784+/-149.028 χ^2/NDF : 0.2/3

Right Out: 7.957+/-81.751 χ^2/NDF : 12.3/18

Left In: 270.516+/-154.333 χ^2/NDF : 0.7/2

Left: 171.298+/-107.205 χ^2/NDF : 1.7/6

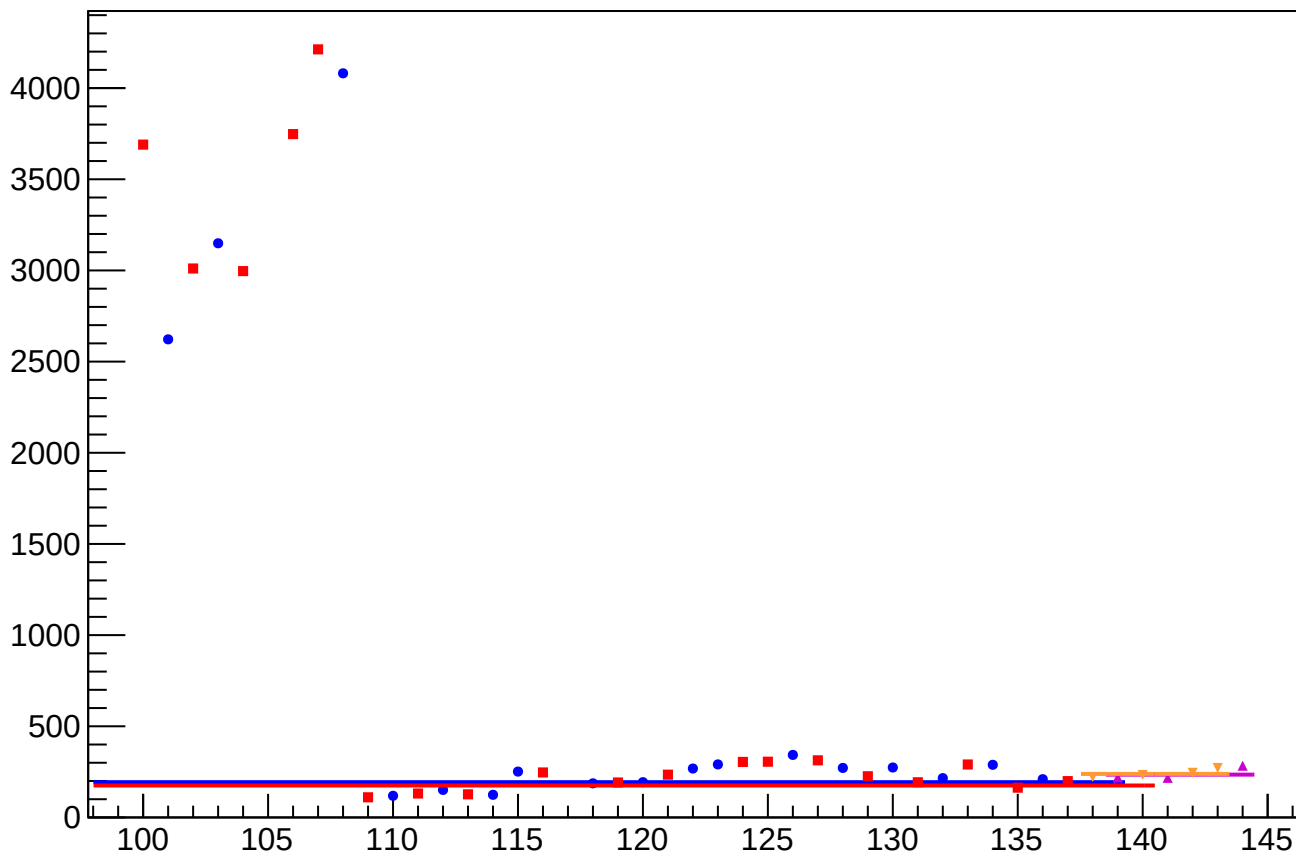
Right: 50.971+/-60.108 χ^2/NDF : 25.4/35

In: 143.519+/-76.892 χ^2/NDF : 14.1/19

Out: 24.340+/-71.675 χ^2/NDF : 12.6/22

All: 79.750+/-52.429 χ^2/NDF : 28.0/42

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: 238.805+/-0.105 χ^2/NDF :29121.9/3

Right Out: 175.281+/-0.058 χ^2/NDF : 4160209.8/18

Left In: 234.879+/-0.109 χ^2/NDF :67532.4/2

Left: 236.911+/-0.076 χ^2/NDF : 97323.8/6

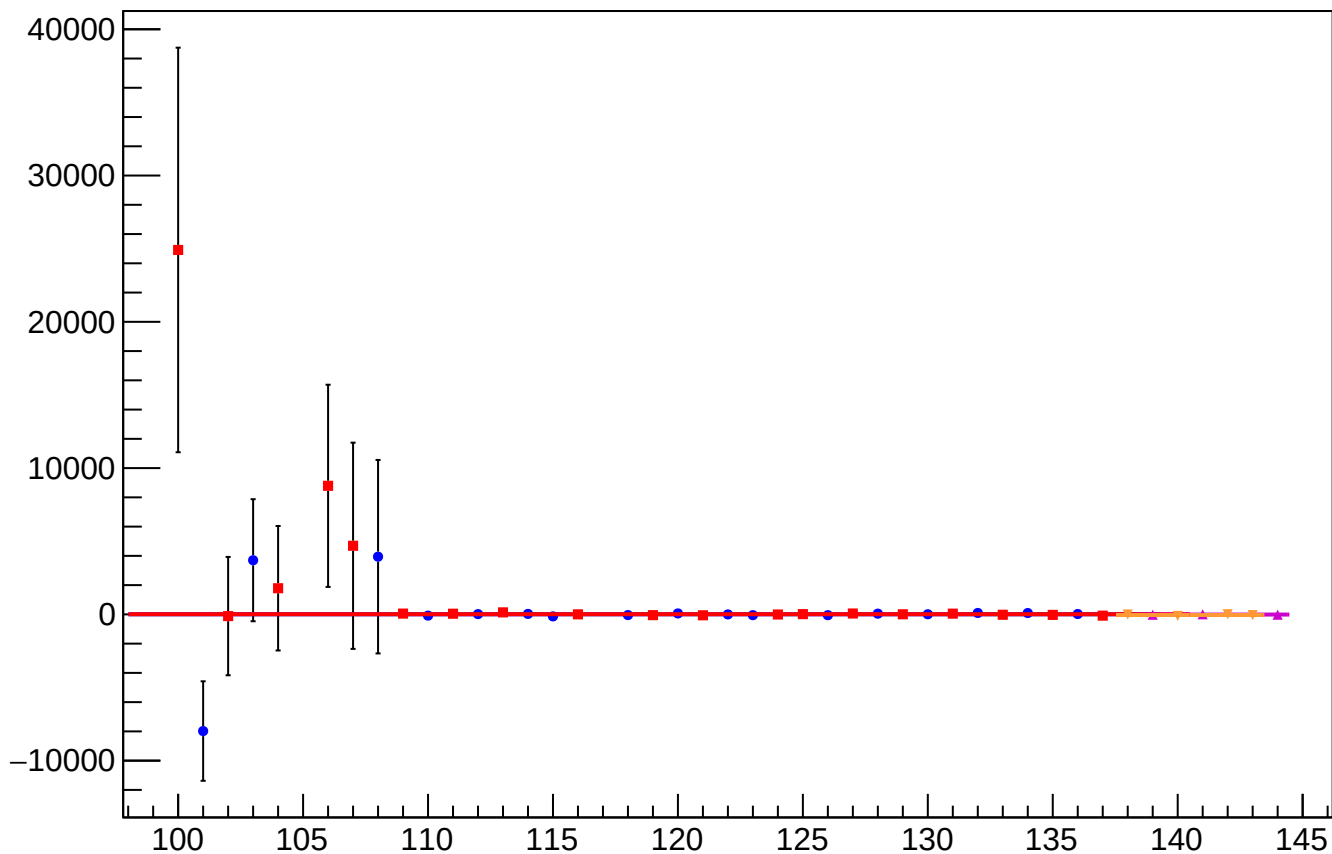
Right: 183.614+/-0.043 χ^2/NDF : 7743679.8/35

In: 203.711+/-0.054 χ^2/NDF :3714276.0/19

Out: 189.975+/-0.051 χ^2/NDF :4468658.5/22

All: 196.361+/-0.037 χ^2/NDF : 8217084.5/42

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: -45.199+/-22.489 χ^2/NDF : 4.2/3

Right Out: 11.632+/-14.990 χ^2/NDF : 21.2/18

Left In: -13.011+/-23.232 χ^2/NDF : 0.4/2

Left: -29.628+/-16.158 χ^2/NDF : 5.6/6

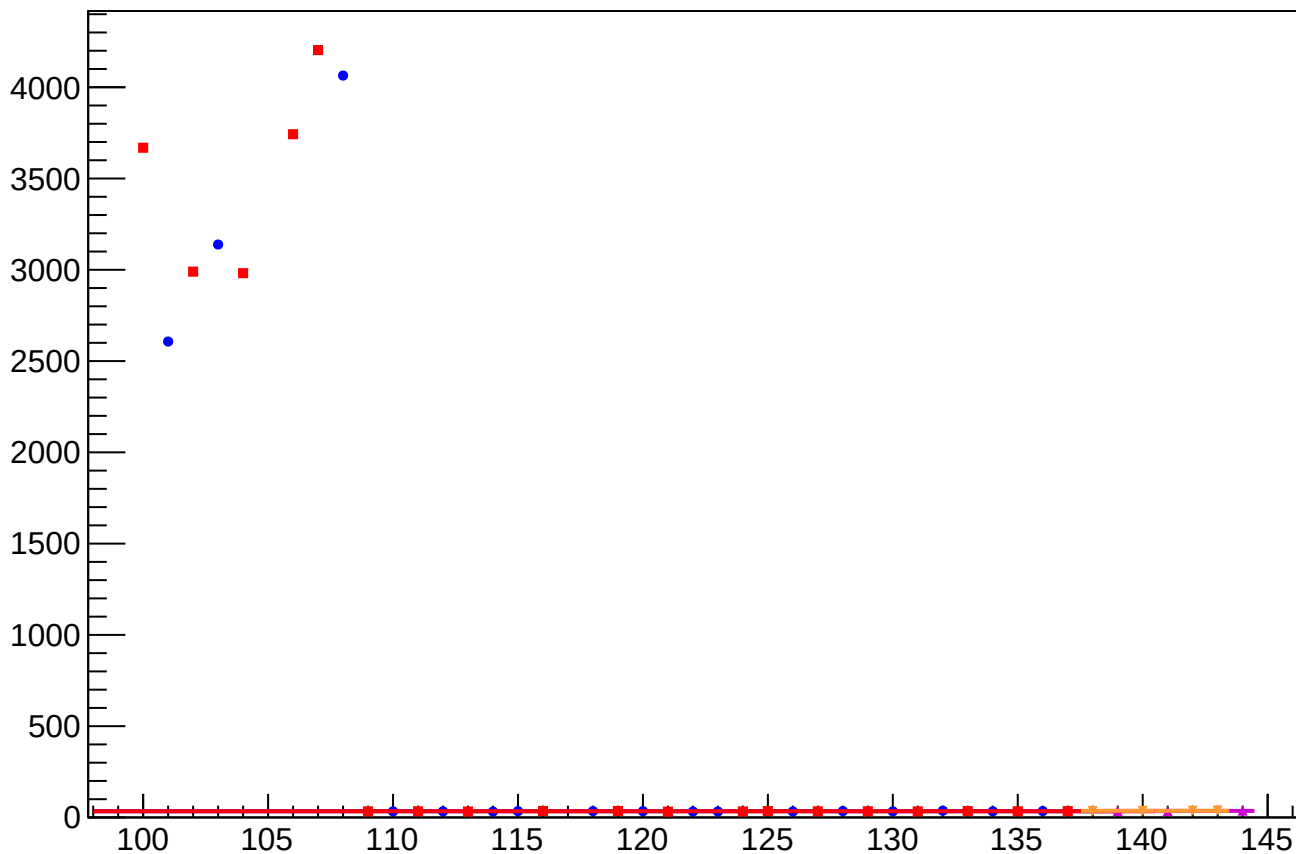
Right: 8.903+/-10.597 χ^2/NDF : 41.4/35

In: 0.540+/-12.591 χ^2/NDF : 21.0/19

Out: -5.850+/-12.473 χ^2/NDF : 29.8/22

All: -2.685+/-8.861 χ^2/NDF : 50.9/42

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: 36.358+/-0.016 χ^2/NDF :4758.9/3

Right Out: 33.933+/-0.011 χ^2/NDF : 3451992.5/18

Left In: 35.805+/-0.016 χ^2/NDF :5806.5/2

Left: 36.090+/-0.011 χ^2/NDF : 11149.9/6

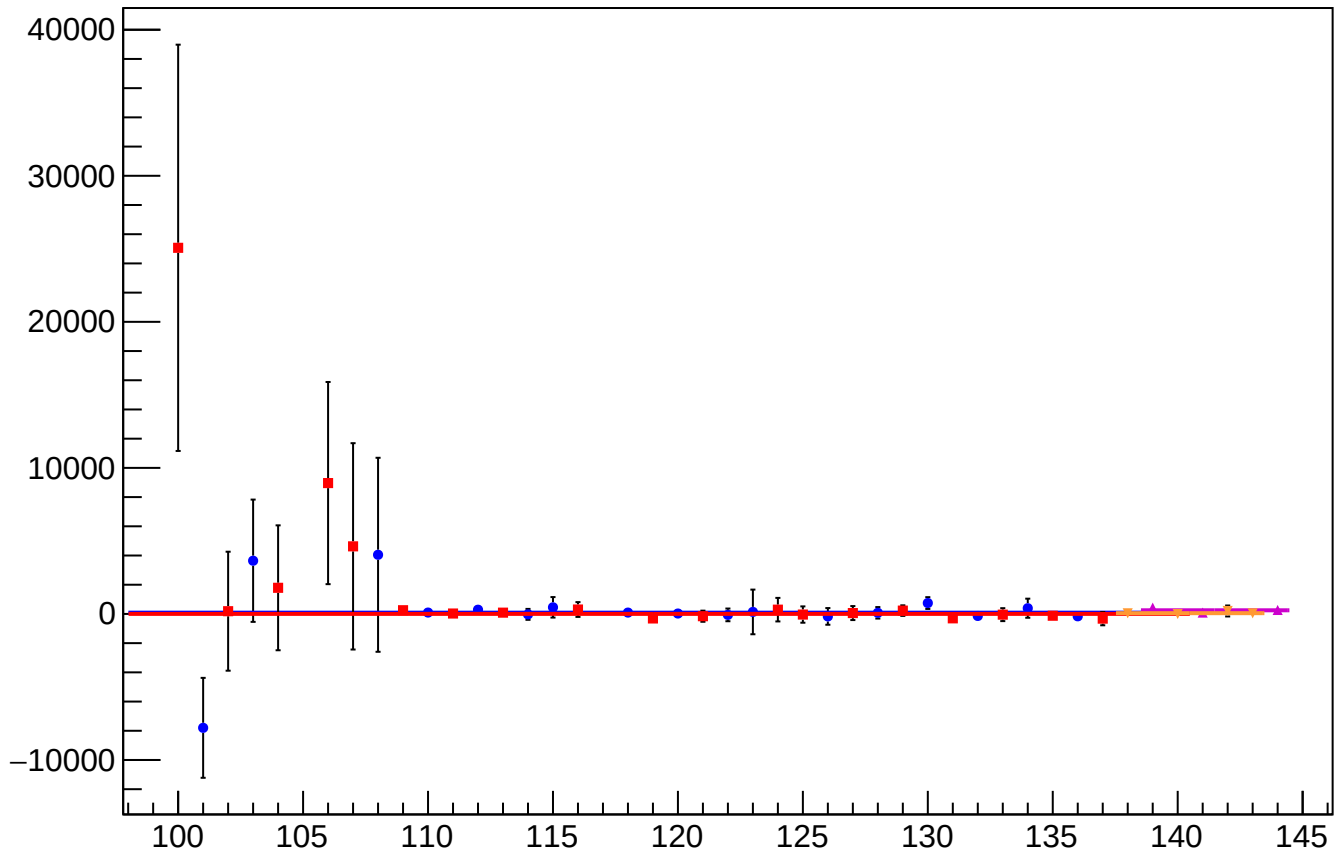
Right: 34.051+/-0.007 χ^2/NDF : 6458368.2/35

In: 34.649+/-0.009 χ^2/NDF :3018942.3/19

Out: 34.679+/-0.009 χ^2/NDF :3472851.6/22

All: 34.664+/-0.006 χ^2/NDF : 6491799.4/42

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: 52.266+/-147.738 χ^2/NDF : 0.2/3

Right Out: 3.827+/-81.231 χ^2/NDF : 11.1/18

Left In: 249.310+/-153.195 χ^2/NDF : 0.9/2

Left: 147.216+/-106.344 χ^2/NDF : 2.0/6

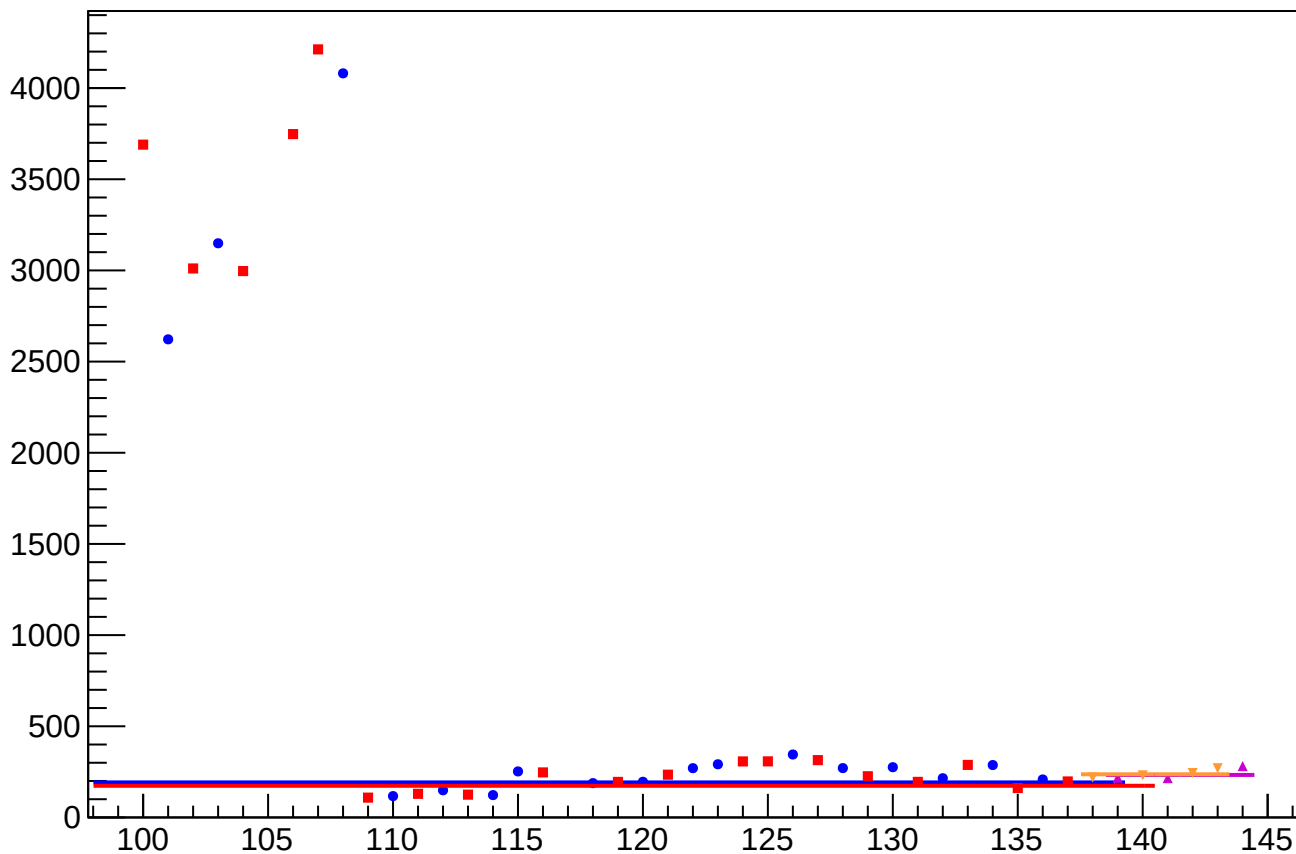
Right: 41.847+/-59.764 χ^2/NDF : 24.1/35

In: 127.219+/-76.464 χ^2/NDF : 14.2/19

Out: 15.072+/-71.181 χ^2/NDF : 11.4/22

All: 67.138+/-52.100 χ^2/NDF : 26.8/42

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: 236.667+/-0.104 χ^2/NDF :31391.6/3

Right Out: 173.728+/-0.057 χ^2/NDF : 4205626.6/18

Left In: 233.125+/-0.108 χ^2/NDF :67581.2/2

Left: 234.960+/-0.075 χ^2/NDF : 99526.4/6

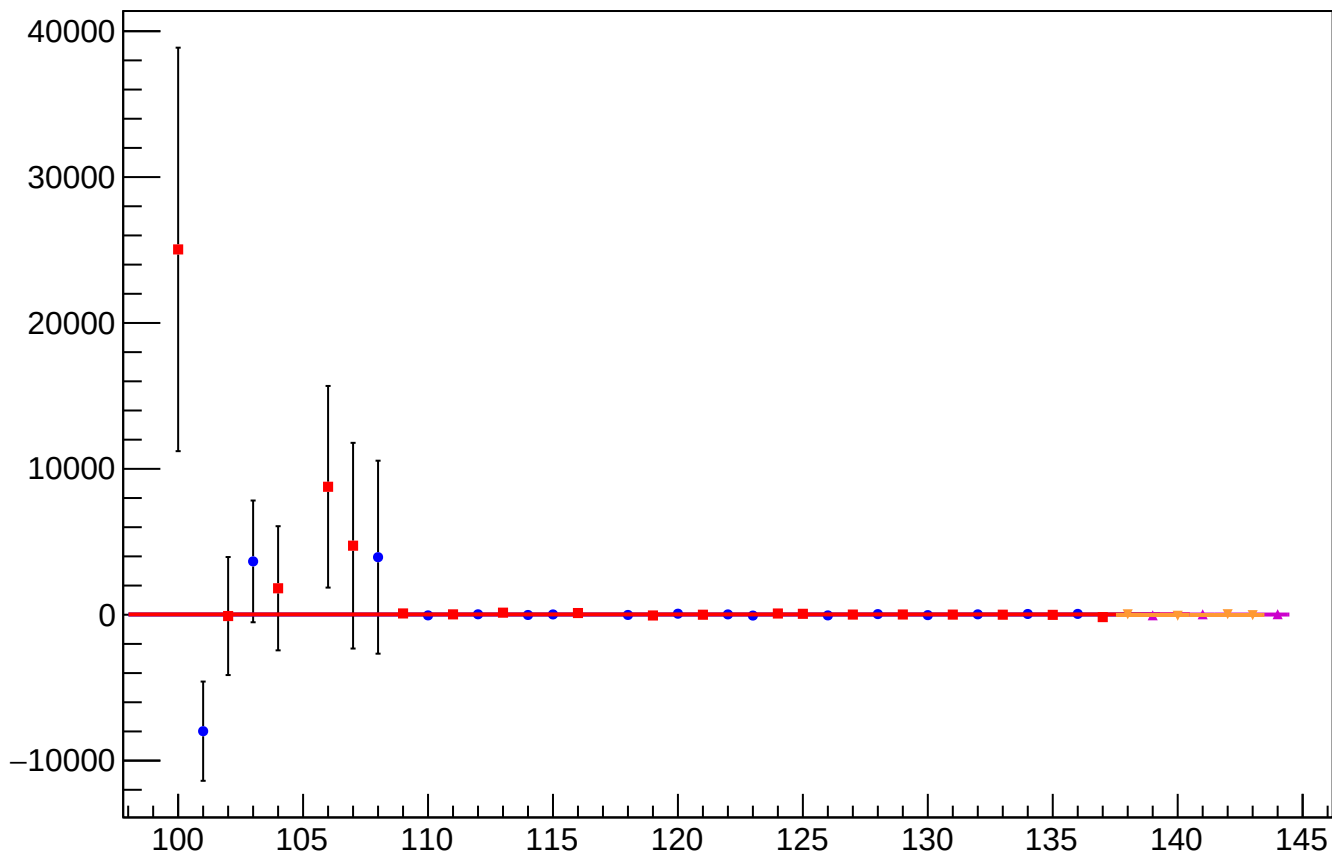
Right: 182.163+/-0.042 χ^2/NDF : 7827959.7/35

In: 202.334+/-0.054 χ^2/NDF :3750496.5/19

Out: 188.338+/-0.050 χ^2/NDF :4515736.5/22

All: 194.836+/-0.037 χ^2/NDF : 8302131.9/42

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: -16.352+/-20.539 χ^2/NDF : 4.8/3

Right Out: 22.859+/-13.697 χ^2/NDF : 27.3/18

Left In: 12.899+/-21.178 χ^2/NDF : 2.4/2

Left: -2.175+/-14.744 χ^2/NDF : 8.2/6

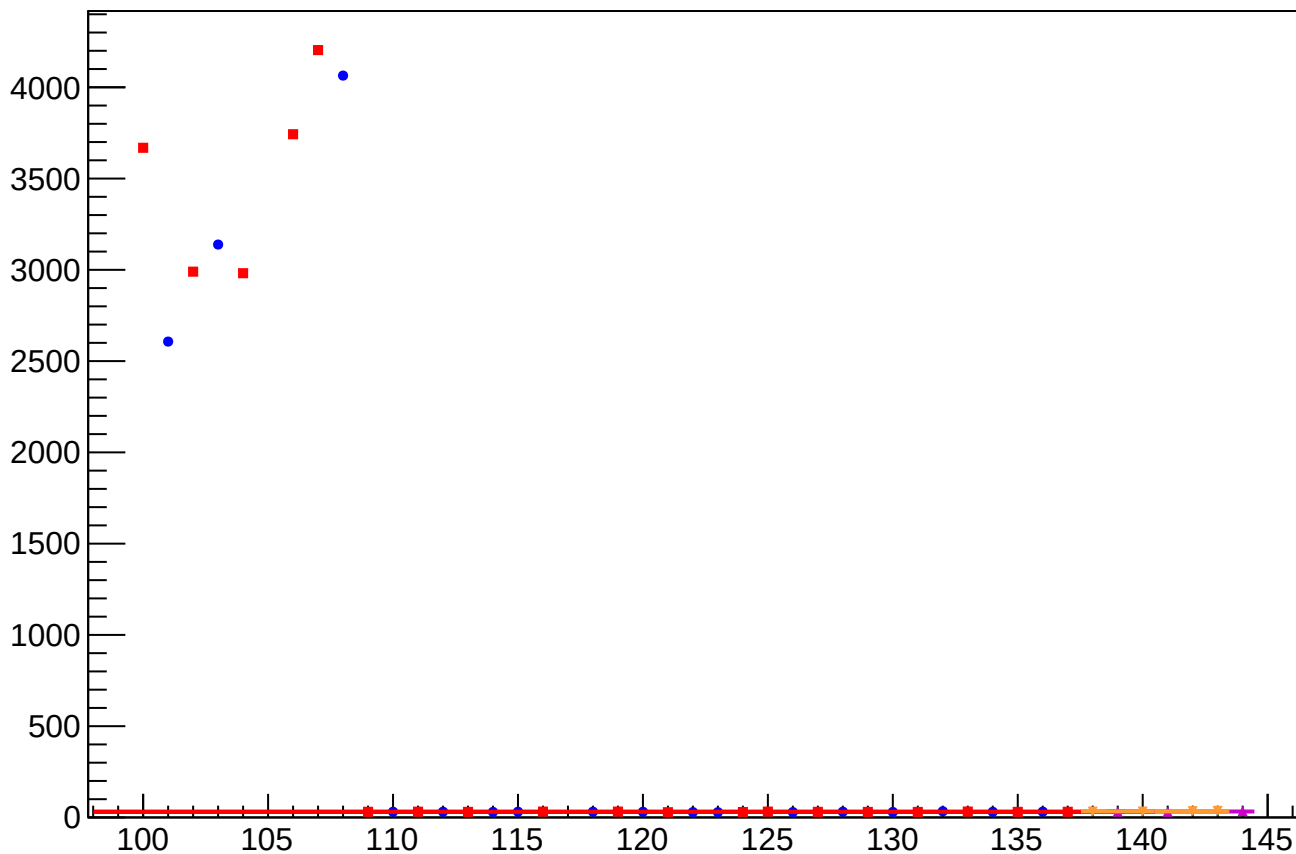
Right: 18.531+/-9.673 χ^2/NDF : 42.3/35

In: 13.835+/-11.481 χ^2/NDF : 17.2/19

Out: 10.789+/-11.395 χ^2/NDF : 34.6/22

All: 12.301+/-8.088 χ^2/NDF : 51.9/42

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: 33.159+/-0.015 χ^2/NDF :12582.4/3

Right Out: 30.985+/-0.010 χ^2/NDF : 3458900.0/18

Left In: 32.603+/-0.015 χ^2/NDF :14559.6/2

Left: 32.889+/-0.010 χ^2/NDF : 27853.7/6

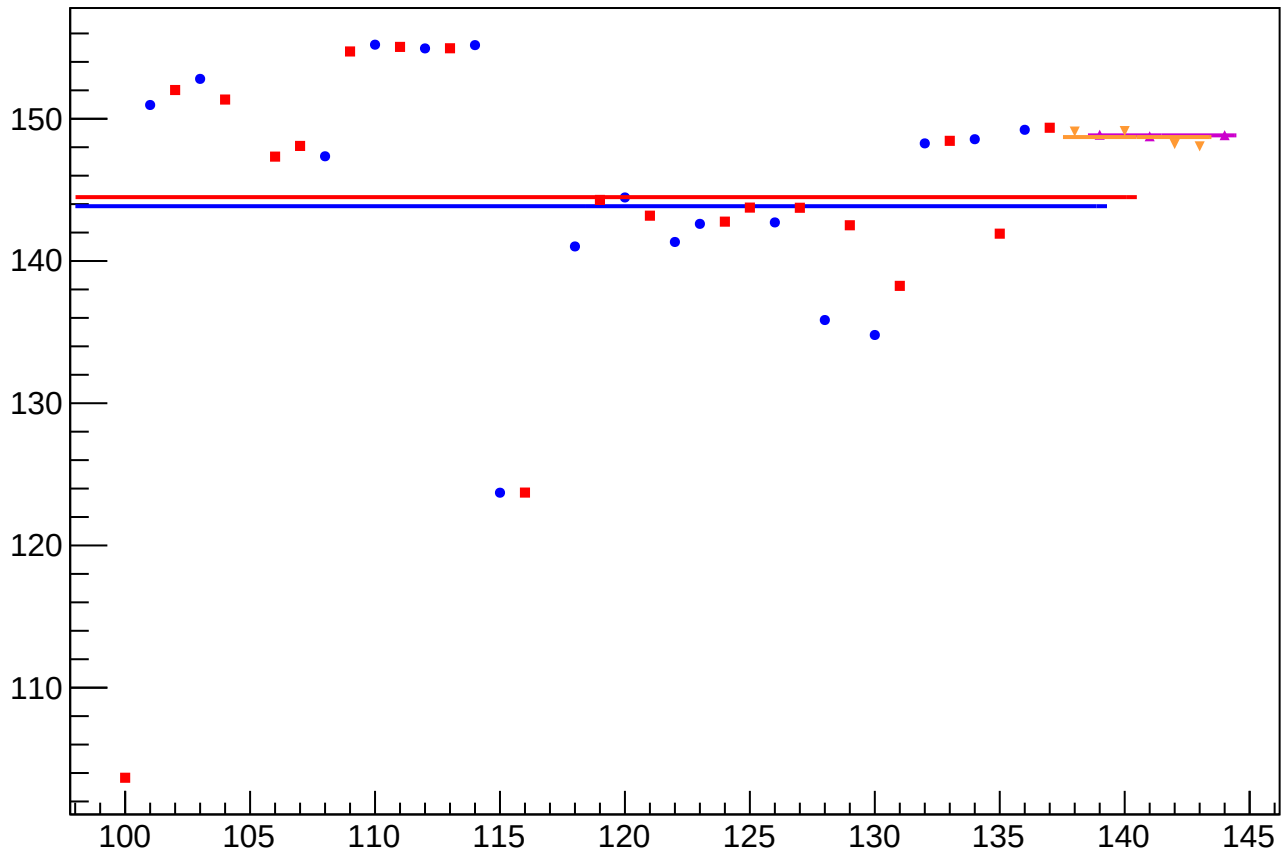
Right: 31.071+/-0.007 χ^2/NDF : 6473226.1/35

In: 31.582+/-0.008 χ^2/NDF :3035299.6/19

Out: 31.654+/-0.008 χ^2/NDF :3486994.4/22

All: 31.618+/-0.006 χ^2/NDF : 6522333.5/42

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.854+/-0.000 χ^2/NDF : 3448306444.5/16

Left Out: 148.715+/-0.000 χ^2/NDF : 6201603.0/3

Right Out: 144.491+/-0.000 χ^2/NDF : 4184461794.3/18

Left In: 148.834+/-0.000 χ^2/NDF : 41661.3/2

Left: 148.772+/-0.000 χ^2/NDF : 6419615.8/6

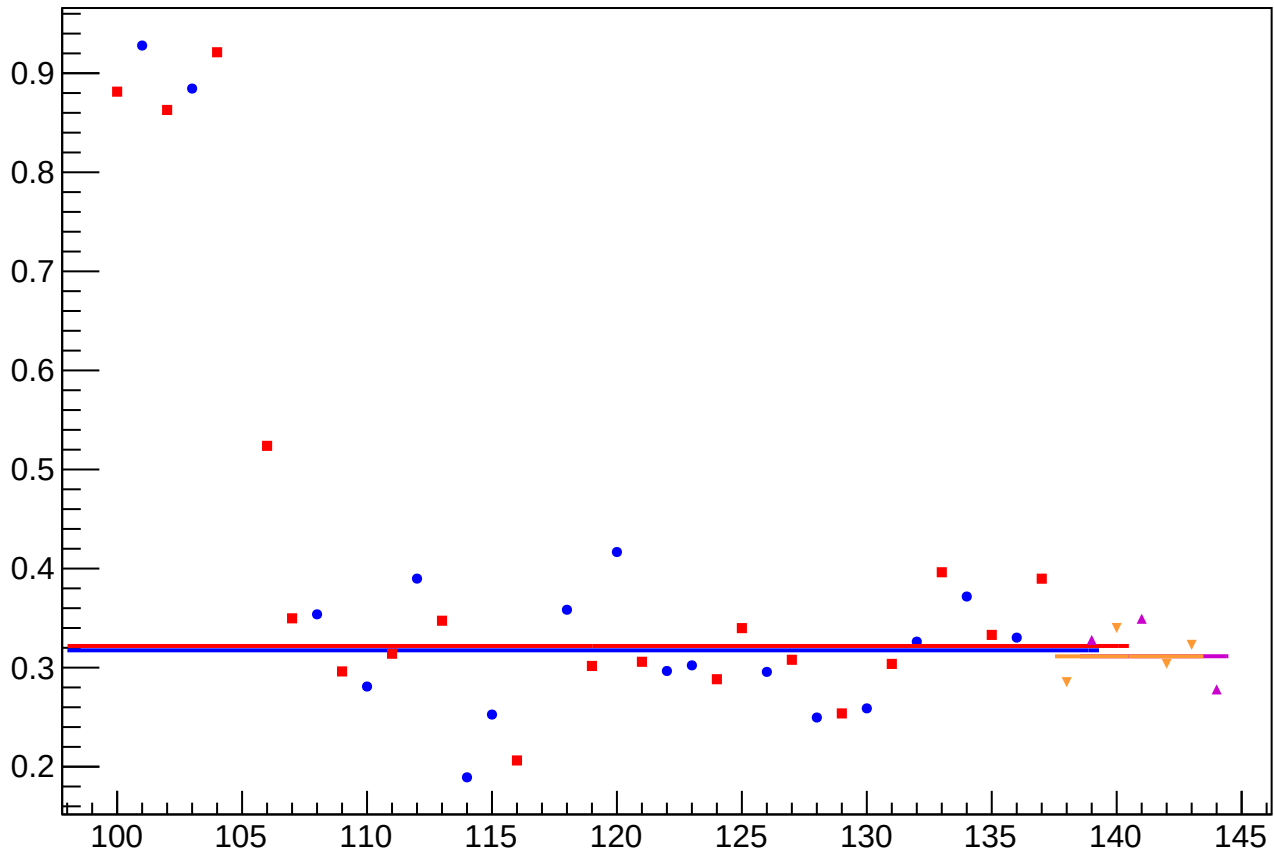
Right: 144.176+/-0.000 χ^2/NDF : 7644095101.6/35

In: 145.339+/-0.000 χ^2/NDF : 3857102760.2/19

Out: 145.827+/-0.000 χ^2/NDF : 4509043778.3/22

All: 145.589+/-0.000 χ^2/NDF : 8375725996.5

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.317+/-0.000 χ^2/NDF : 1273243.2/16

Left Out: 0.311+/-0.000 χ^2/NDF :25086.4/3

Right Out: 0.322+/-0.000 χ^2/NDF : 1215219.2/18

Left In: 0.311+/-0.000 χ^2/NDF :46458.6/2

Left: 0.311+/-0.000 χ^2/NDF : 71545.2/6

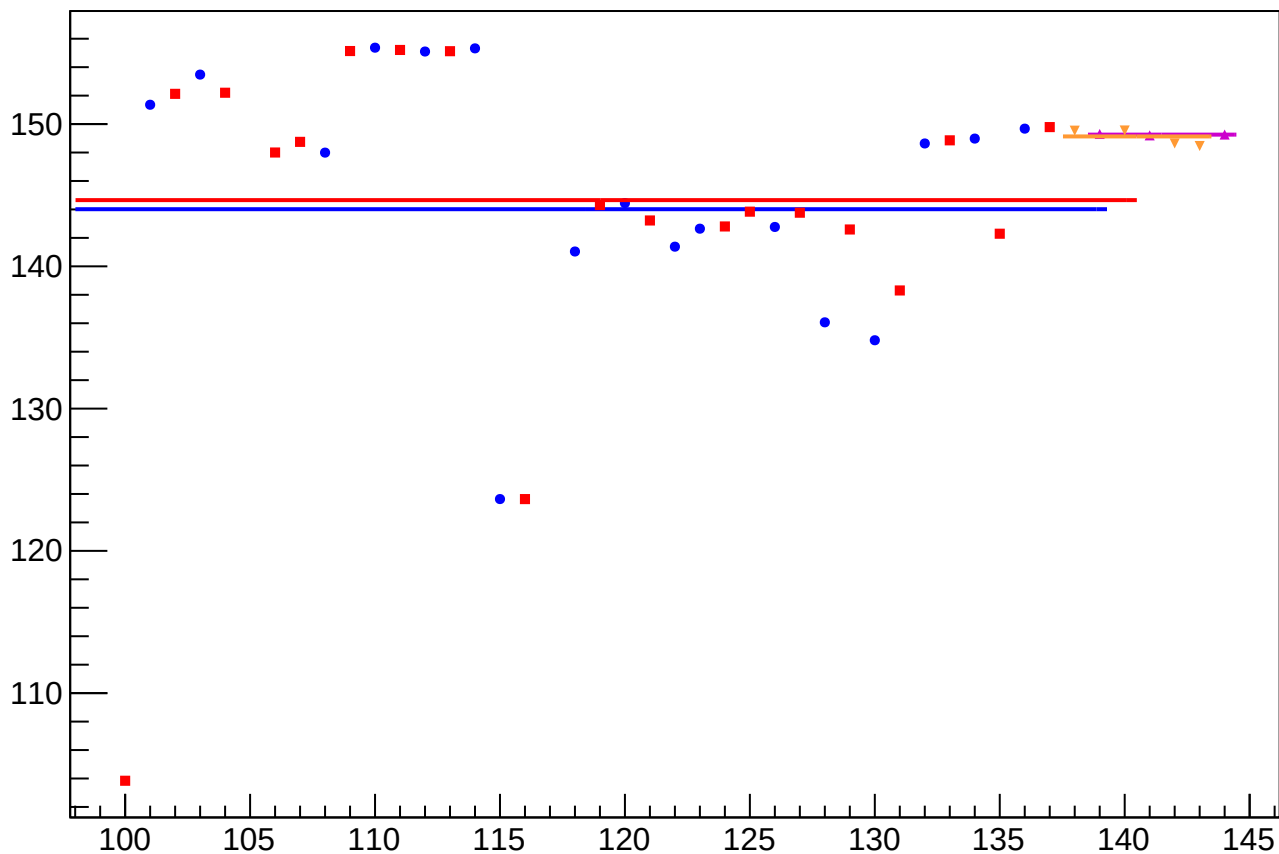
Right: 0.320+/-0.000 χ^2/NDF : 2489538.1/35

In: 0.316+/-0.000 χ^2/NDF :1320879.7/19

Out: 0.319+/-0.000 χ^2/NDF :1244201.7/22

All: 0.317+/-0.000 χ^2/NDF : 2565744.1/42

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.016 $\pm$ 0.000 χ^2 /NDF: 3492221319.5/16

Left Out: 149.132 $\pm$ 0.000 χ^2 /NDF: 6361736.2/3

Right Out: 144.655 $\pm$ 0.000 χ^2 /NDF: 4208783732.4/18

Left In: 149.258 $\pm$ 0.000 χ^2 /NDF: 31097.4/2

Left: 149.192 $\pm$ 0.000 χ^2 /NDF: 6588547.3/6

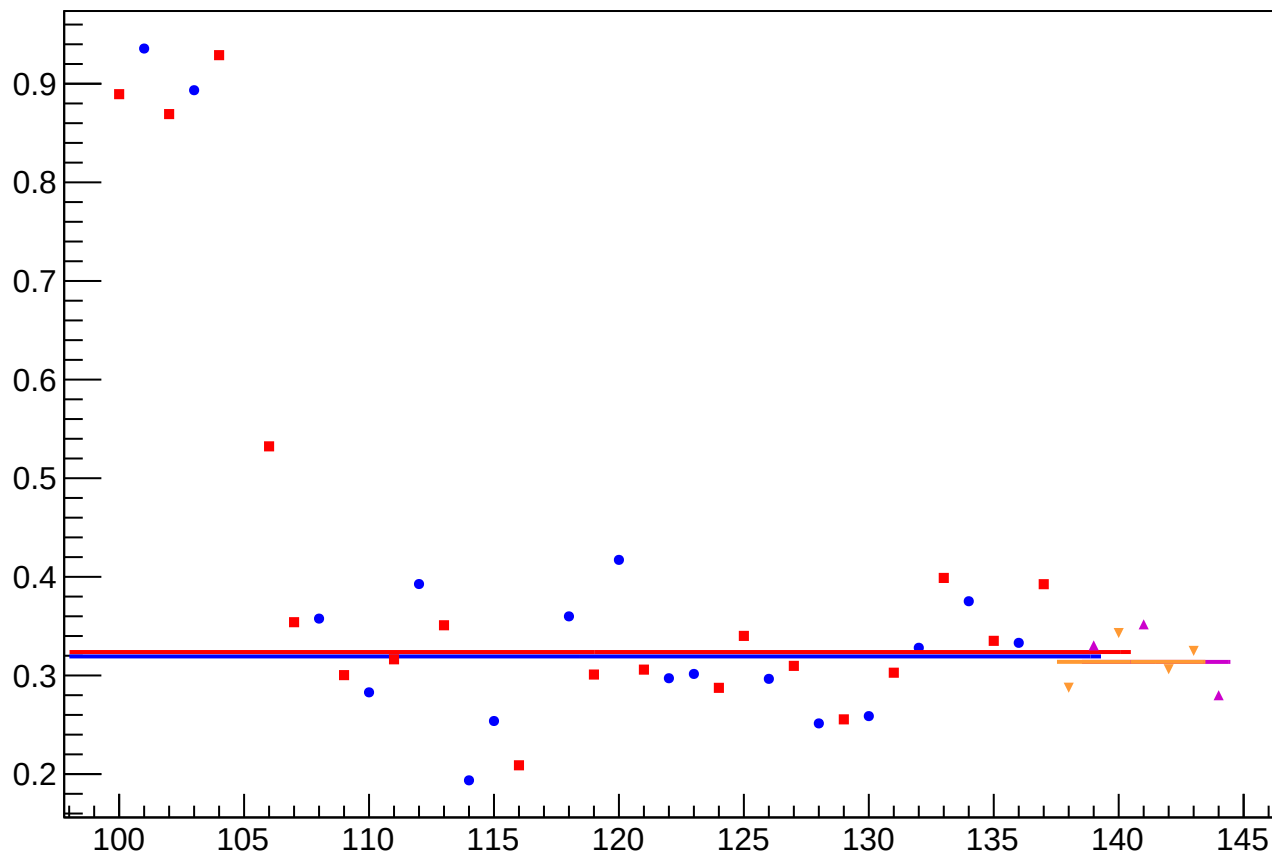
Right: 144.339 $\pm$ 0.000 χ^2 /NDF: 7712254878.2/35

In: 145.576 $\pm$ 0.000 χ^2 /NDF: 3938885760.1/19

Out: 146.067 $\pm$ 0.000 χ^2 /NDF: 4567654866.6/22

All: 145.827 $\pm$ 0.000 χ^2 /NDF: 8516143514.8

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.319+/-0.000 χ^2/NDF : 1274809.7/16

Left Out: 0.314+/-0.000 χ^2/NDF : 25132.2/3

Right Out: 0.324+/-0.000 χ^2/NDF : 1217547.6/18

Left In: 0.314+/-0.000 χ^2/NDF : 46617.6/2

Left: 0.314+/-0.000 χ^2/NDF : 71749.9/6

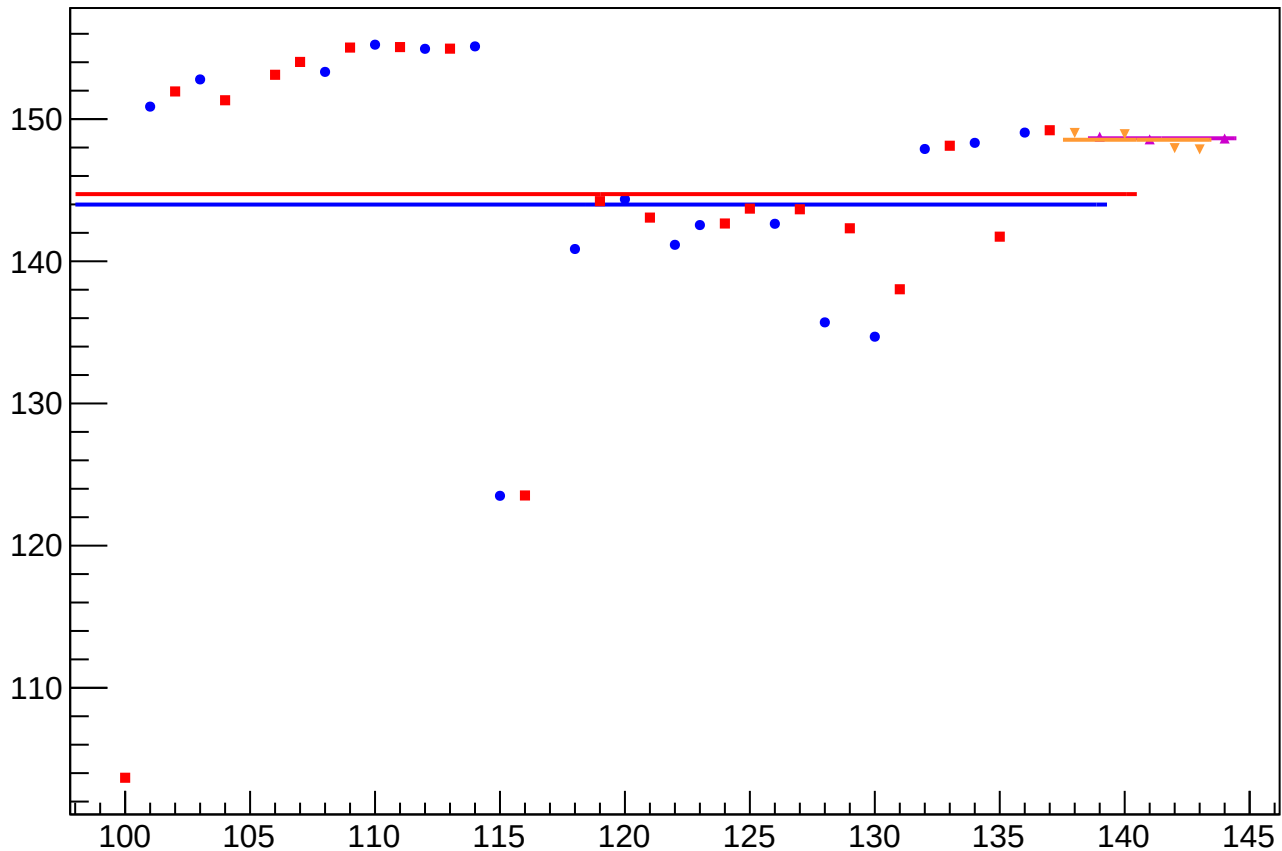
Right: 0.322+/-0.000 χ^2/NDF : 2493460.6/35

In: 0.318+/-0.000 χ^2/NDF : 1322427.9/19

Out: 0.321+/-0.000 χ^2/NDF : 1246163.8/22

All: 0.319+/-0.000 χ^2/NDF : 2569299.2/42

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.990 $\pm$ 0.000 χ^2 /NDF: 3661758828.8/16

Left Out: 148.548 $\pm$ 0.000 χ^2 /NDF: 7333292.7/3

Right Out: 144.724 $\pm$ 0.000 χ^2 /NDF: 4474261871.8/18

Left In: 148.651 $\pm$ 0.000 χ^2 /NDF: 114091.4/2

Left: 148.597 $\pm$ 0.000 χ^2 /NDF: 7579312.3/6

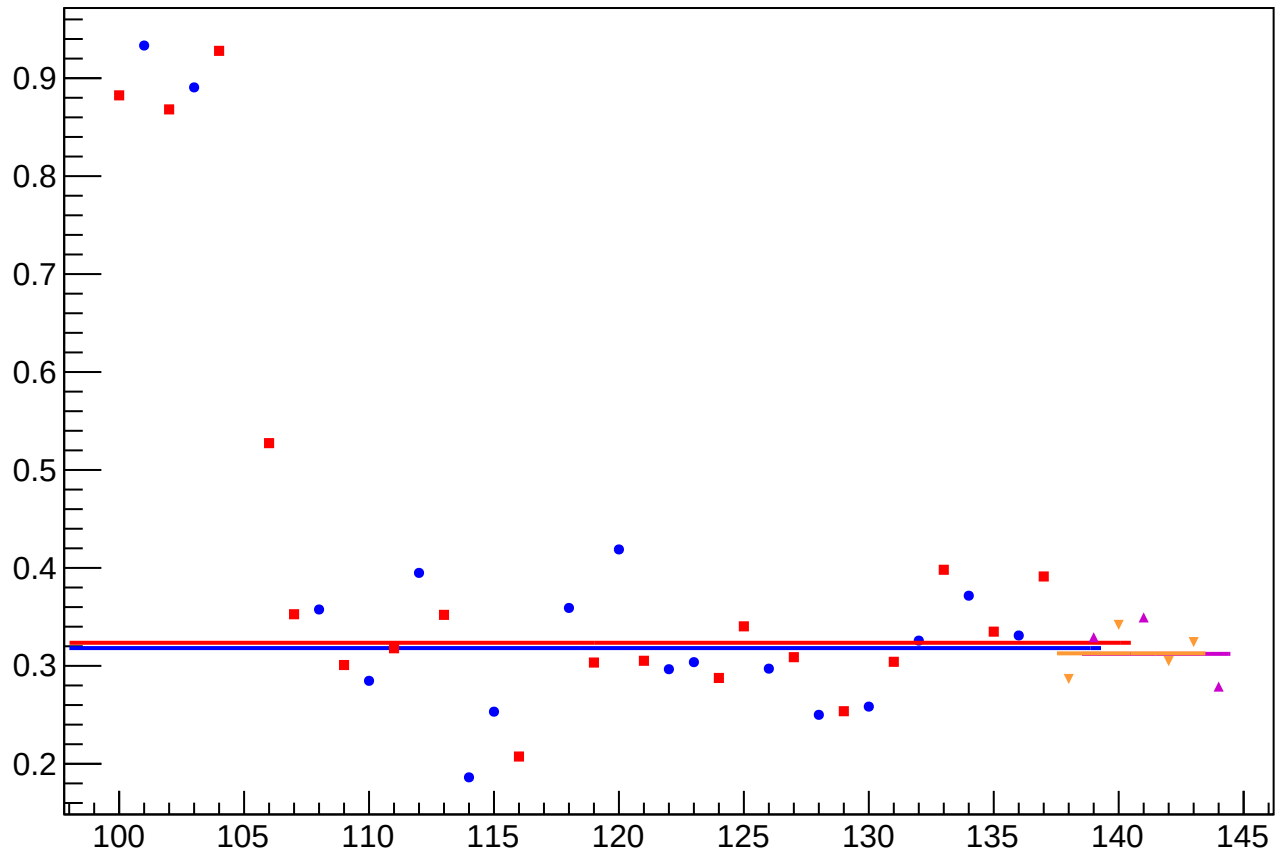
Right: 144.360 $\pm$ 0.000 χ^2 /NDF: 8150942060.9/35

In: 145.381 $\pm$ 0.000 χ^2 /NDF: 4018163048.3/19

Out: 145.935 $\pm$ 0.000 χ^2 /NDF: 4739989403.3/22

All: 145.664 $\pm$ 0.000 χ^2 /NDF: 8770390135.4

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.318 $\pm$ 0.000 χ^2 /NDF: 1287972.7/16

Left Out: 0.313 $\pm$ 0.000 χ^2 /NDF:25280.6/3

Right Out: 0.324 $\pm$ 0.000 χ^2 /NDF: 1220104.3/18

Left In: 0.312 $\pm$ 0.000 χ^2 /NDF:45735.9/2

Left: 0.313 $\pm$ 0.000 χ^2 /NDF: 71022.9/6

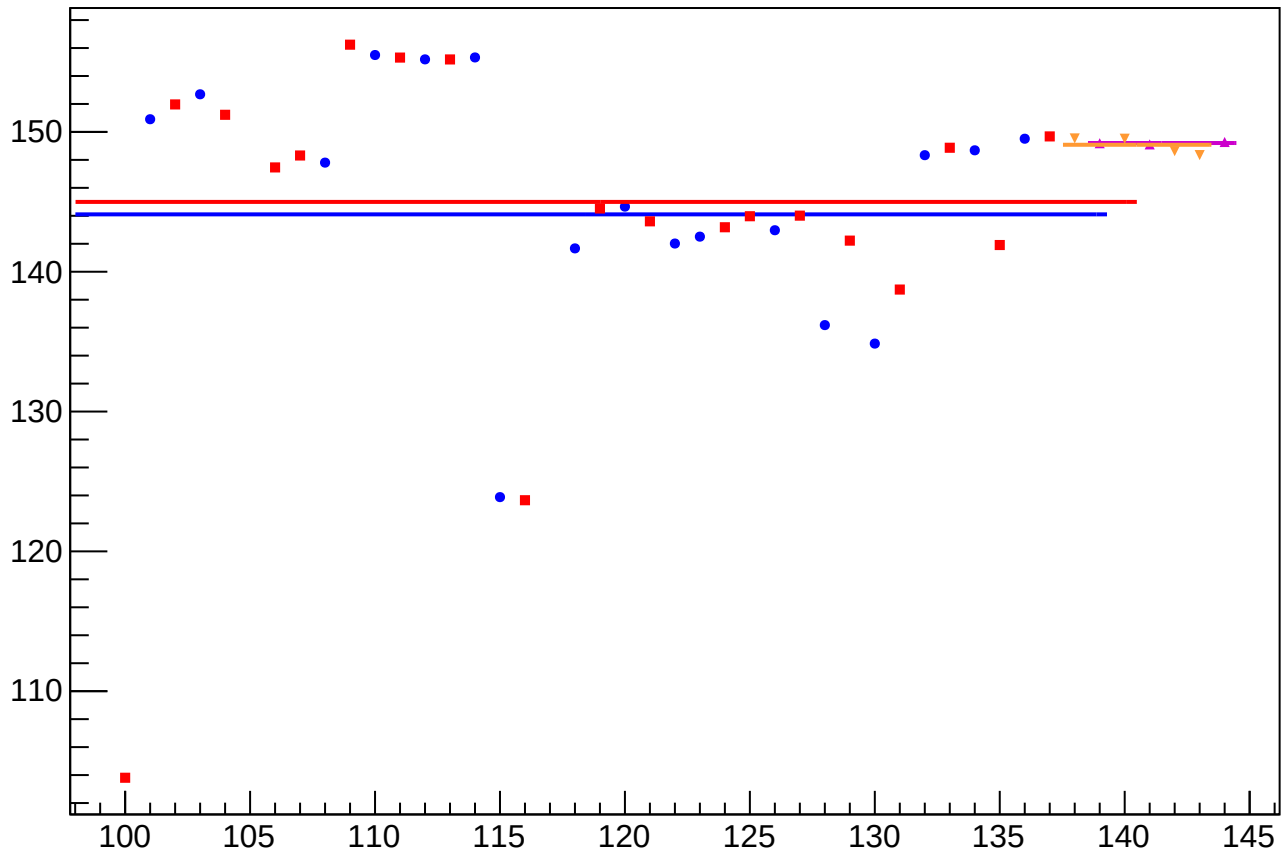
Right: 0.321 $\pm$ 0.000 χ^2 /NDF: 2509712.1/35

In: 0.316 $\pm$ 0.000 χ^2 /NDF:1334842.7/19

Out: 0.320 $\pm$ 0.000 χ^2 /NDF:1249512.1/22

All: 0.318 $\pm$ 0.000 χ^2 /NDF: 2585490.3/42

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.104+/-0.000 χ^2/NDF : 3160280337.5/16

Left Out: 149.081+/-0.000 χ^2/NDF : 6416077.3/3

Right Out: 144.995+/-0.000 χ^2/NDF : 3854490205.5/18

Left In: 149.207+/-0.000 χ^2/NDF : 105773.2/2

Left: 149.140+/-0.000 χ^2/NDF : 6689114.3/6

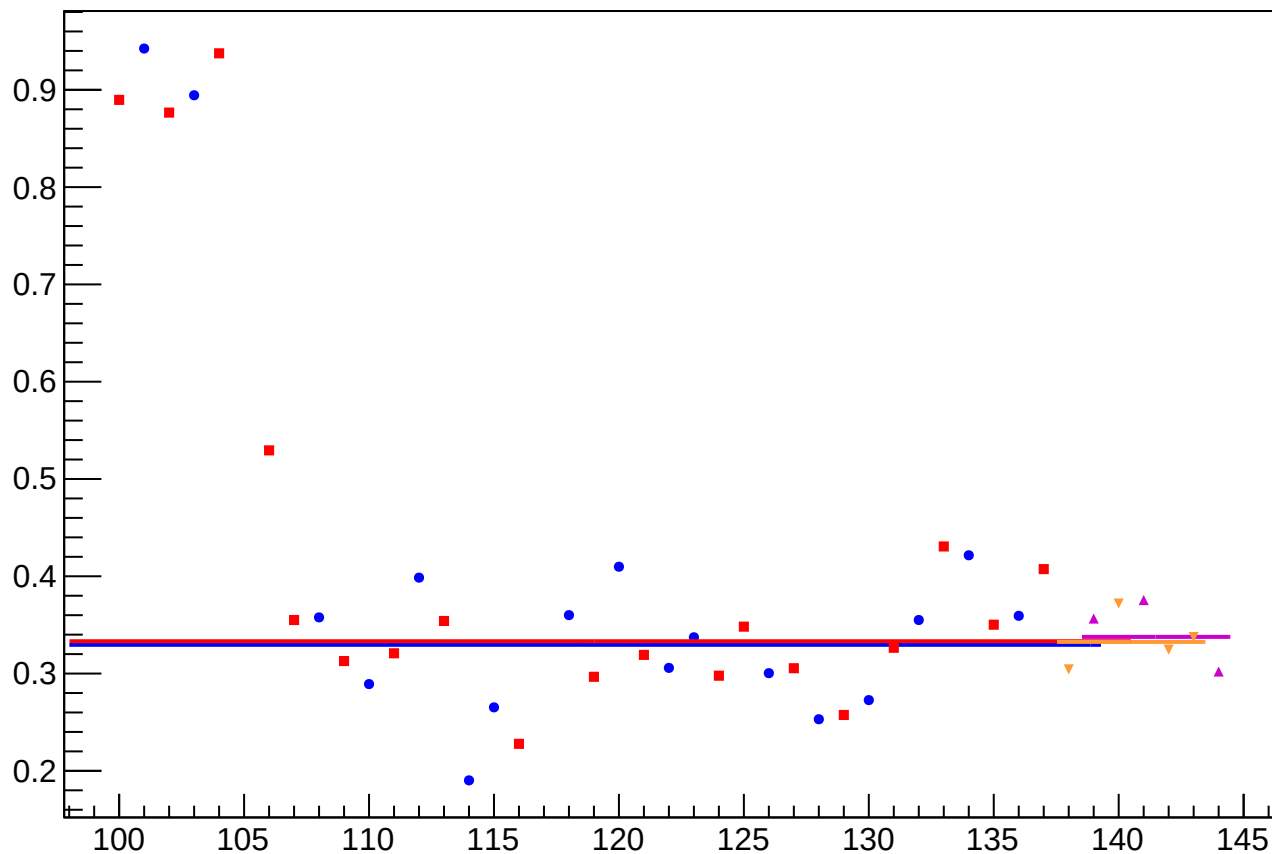
Right: 144.556+/-0.000 χ^2/NDF : 7035324027.3/35

In: 145.529+/-0.000 χ^2/NDF : 3531825649.1/19

Out: 146.220+/-0.000 χ^2/NDF : 4124089574.0/22

All: 145.884+/-0.000 χ^2/NDF : 7673297820.8

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.330 $\pm$ 0.000 χ^2 /NDF: 1270354.0/16

Left Out: 0.333 $\pm$ 0.000 χ^2 /NDF:30033.3/3

Right Out: 0.333 $\pm$ 0.000 χ^2 /NDF: 1179001.1/18

Left In: 0.338 $\pm$ 0.000 χ^2 /NDF:42771.3/2

Left: 0.335 $\pm$ 0.000 χ^2 /NDF: 73363.7/6

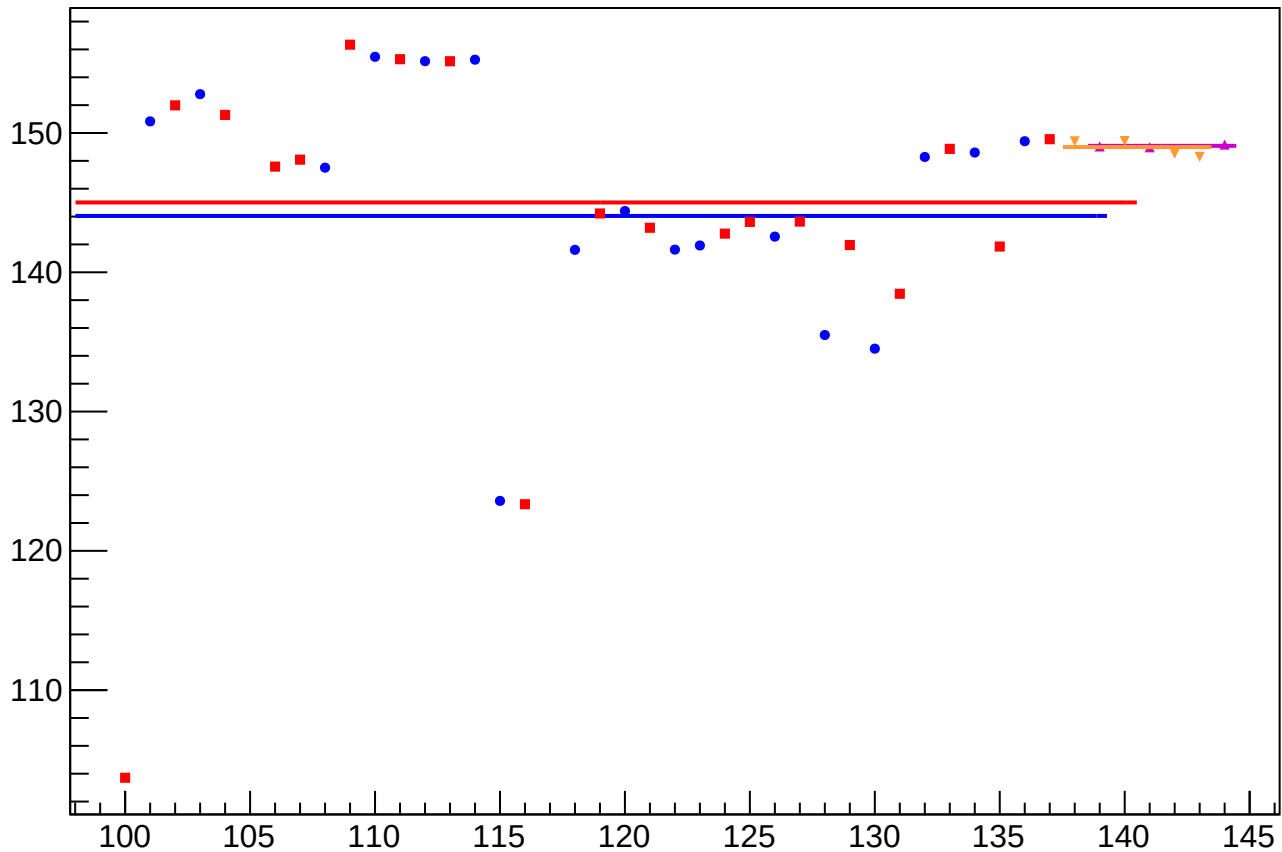
Right: 0.331 $\pm$ 0.000 χ^2 /NDF: 2450053.6/35

In: 0.332 $\pm$ 0.000 χ^2 /NDF:1315013.0/19

Out: 0.333 $\pm$ 0.000 χ^2 /NDF:1209049.4/22

All: 0.332 $\pm$ 0.000 χ^2 /NDF: 2524166.2/42

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 144.046+/-0.000 χ^2/NDF : 3279467915.9/16

Left Out: 148.990+/-0.000 χ^2/NDF : 5848859.0/3

Right Out: 145.013+/-0.000 χ^2/NDF : 3930693089.2/18

Left In: 149.077+/-0.000 χ^2/NDF : 141303.1/2

Left: 149.030+/-0.000 χ^2/NDF : 6070151.8/6

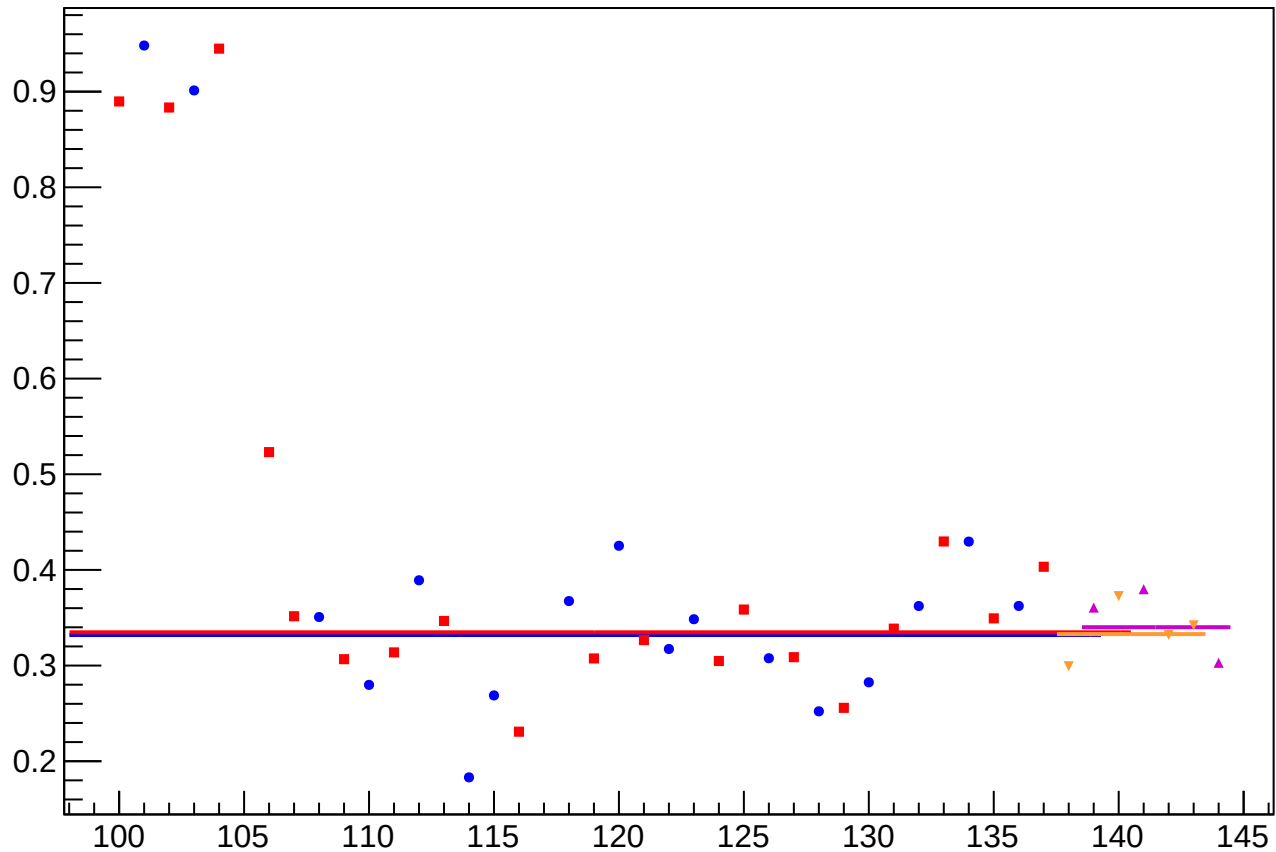
Right: 144.538+/-0.000 χ^2/NDF : 7234057528.4/35

In: 145.448+/-0.000 χ^2/NDF : 3633466087.3/19

Out: 146.208+/-0.000 χ^2/NDF : 4183464921.7/22

All: 145.840+/-0.000 χ^2/NDF : 7837659018.4

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.332 $\pm$ 0.000 χ^2 /NDF: 1287882.2/16

Left Out: 0.333 $\pm$ 0.000 χ^2 /NDF:35697.6/3

Right Out: 0.335 $\pm$ 0.000 χ^2 /NDF: 1168458.2/18

Left In: 0.340 $\pm$ 0.000 χ^2 /NDF:46298.9/2

Left: 0.336 $\pm$ 0.000 χ^2 /NDF: 83076.6/6

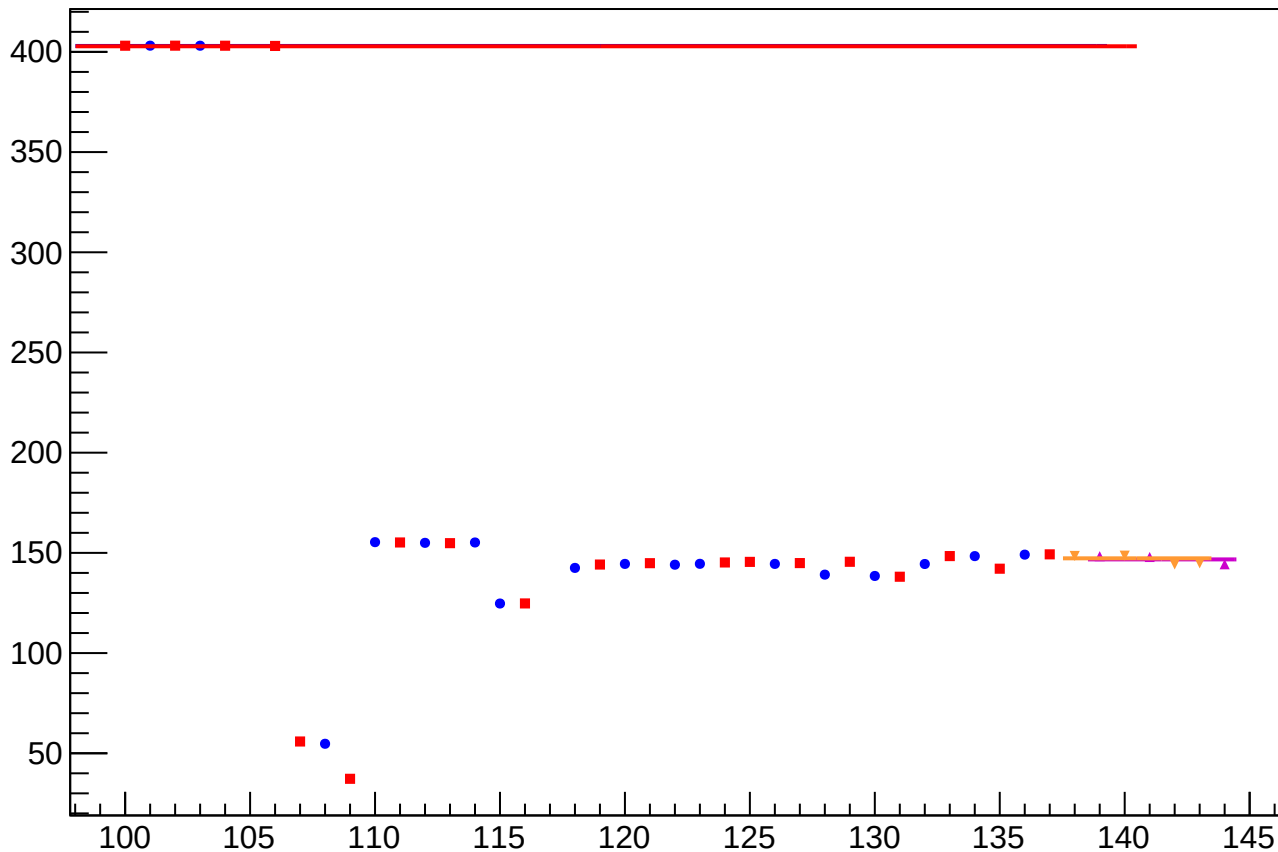
Right: 0.333 $\pm$ 0.000 χ^2 /NDF: 2456747.1/35

In: 0.334 $\pm$ 0.000 χ^2 /NDF:1336048.2/19

Out: 0.334 $\pm$ 0.000 χ^2 /NDF:1204264.5/22

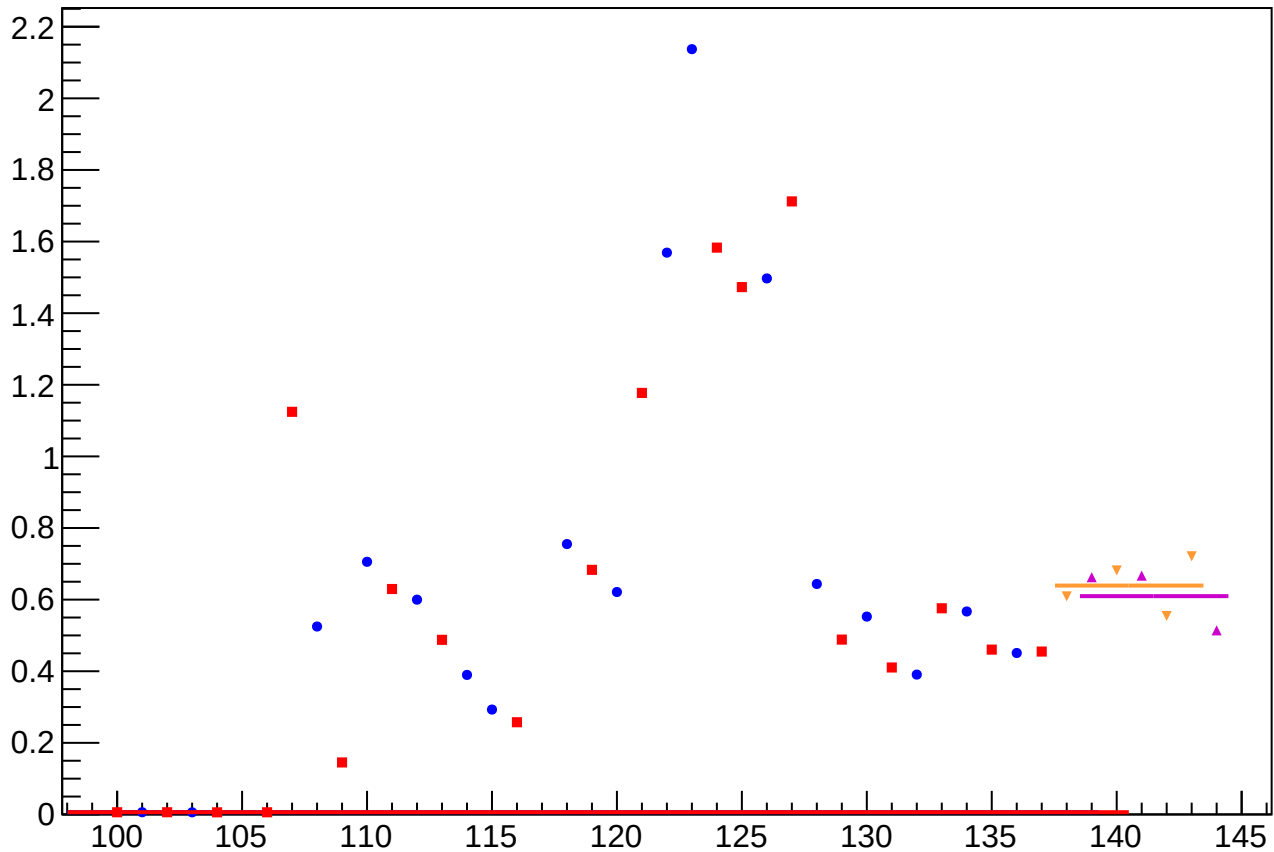
All: 0.334 $\pm$ 0.000 χ^2 /NDF: 2540312.7/42

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.957+/-0.000 χ^2/NDF : 1097981079296.6/16
 Left Out: 147.278+/-0.000 χ^2/NDF : 15622369.1/3
 Right Out: 402.798+/-0.000 χ^2/NDF : 3106239706226.1/18
 Left In: 146.743+/-0.000 χ^2/NDF : 15088824.8/2
 Left: 147.011+/-0.000 χ^2/NDF : 31342038.5/6
 Right: 402.873+/-0.000 χ^2/NDF : 4204637713016.5
 In: 402.921+/-0.000 χ^2/NDF : 1387058629771.3/19
 Out: 402.766+/-0.000 χ^2/NDF : 3395309338004.2/2
 All: 402.839+/-0.000 χ^2/NDF : 478276350297

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 9127939.0/16

Left Out: 0.639+/-0.000 χ^2/NDF : 27109.9/3

Right Out: 0.006+/-0.000 χ^2/NDF : 9171738.5/18

Left In: 0.610+/-0.000 χ^2/NDF : 46437.3/2

Left: 0.625+/-0.000 χ^2/NDF : 77397.9/6

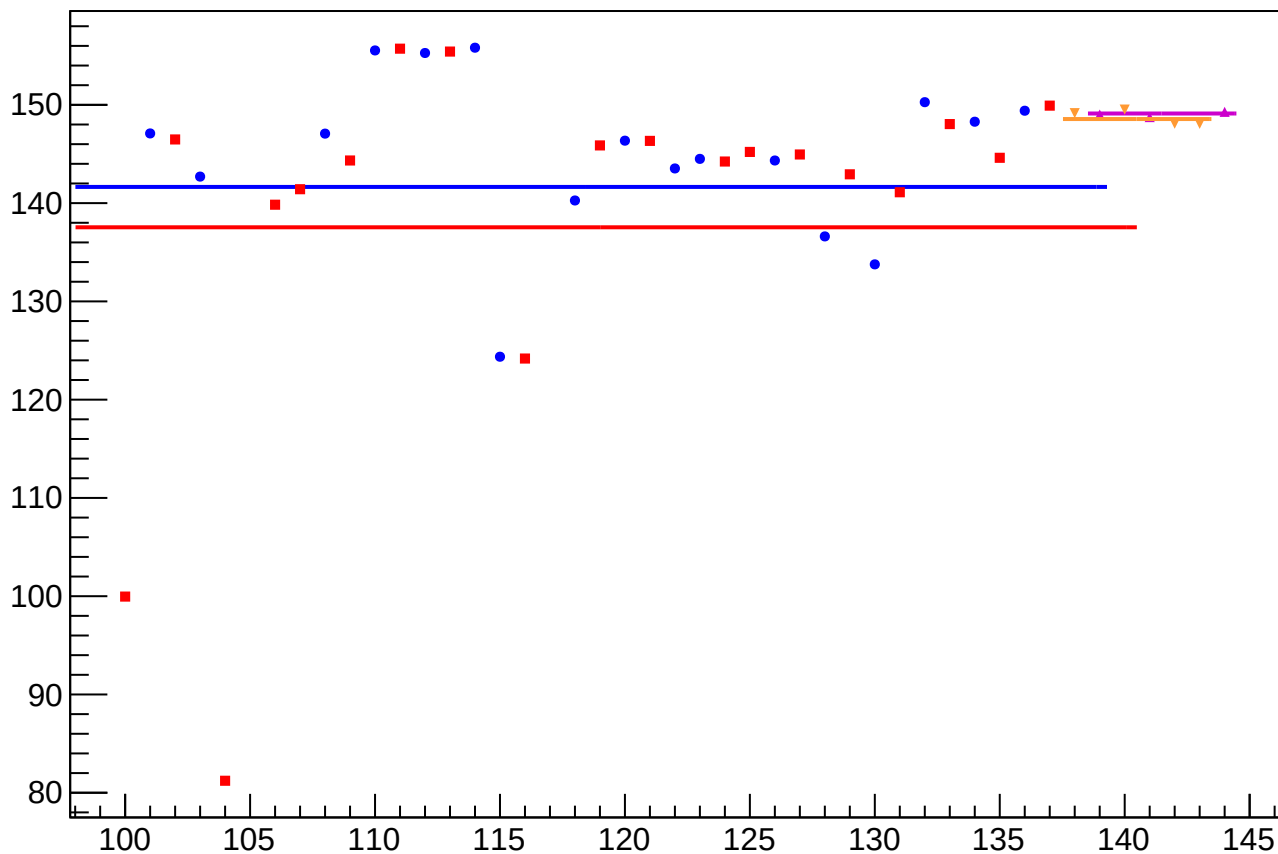
Right: 0.006+/-0.000 χ^2/NDF : 18299681.6/35

In: 0.006+/-0.000 χ^2/NDF : 12380546.6/19

Out: 0.006+/-0.000 χ^2/NDF : 12745717.9/22

All: 0.006+/-0.000 χ^2/NDF : 25126274.1/42

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.649+/-0.000 χ^2/NDF : 978960977.0/16

Left Out: 148.557+/-0.000 χ^2/NDF : 2616828.8/3

Right Out: 137.540+/-0.000 χ^2/NDF : 1319926808.9/18

Left In: 149.120+/-0.000 χ^2/NDF : 303128.9/2

Left: 148.824+/-0.000 χ^2/NDF : 3941506.5/6

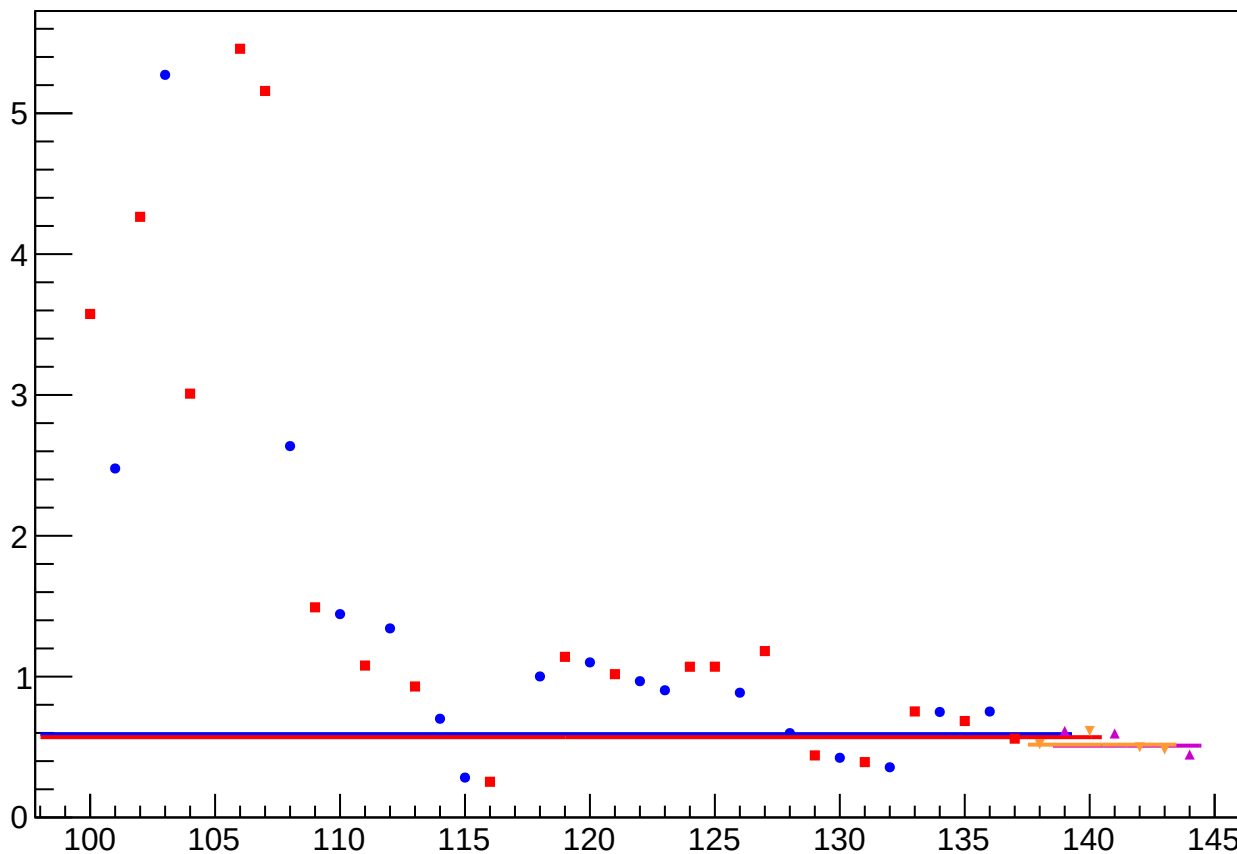
Right: 139.554+/-0.000 χ^2/NDF : 2385756401.6/35

In: 144.466+/-0.000 χ^2/NDF : 1191810091.1/19

Out: 141.866+/-0.000 χ^2/NDF : 1822810471.2/22

All: 143.124+/-0.000 χ^2/NDF : 3071185958.3

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.592 $\pm$ 0.000 χ^2 /NDF: 3518726.1/16

Left Out: 0.517 $\pm$ 0.000 χ^2 /NDF:30471.8/3

Right Out: 0.570 $\pm$ 0.000 χ^2 /NDF: 4645113.2/18

Left In: 0.510 $\pm$ 0.000 χ^2 /NDF:73207.2/2

Left: 0.514 $\pm$ 0.000 χ^2 /NDF: 104008.0/6

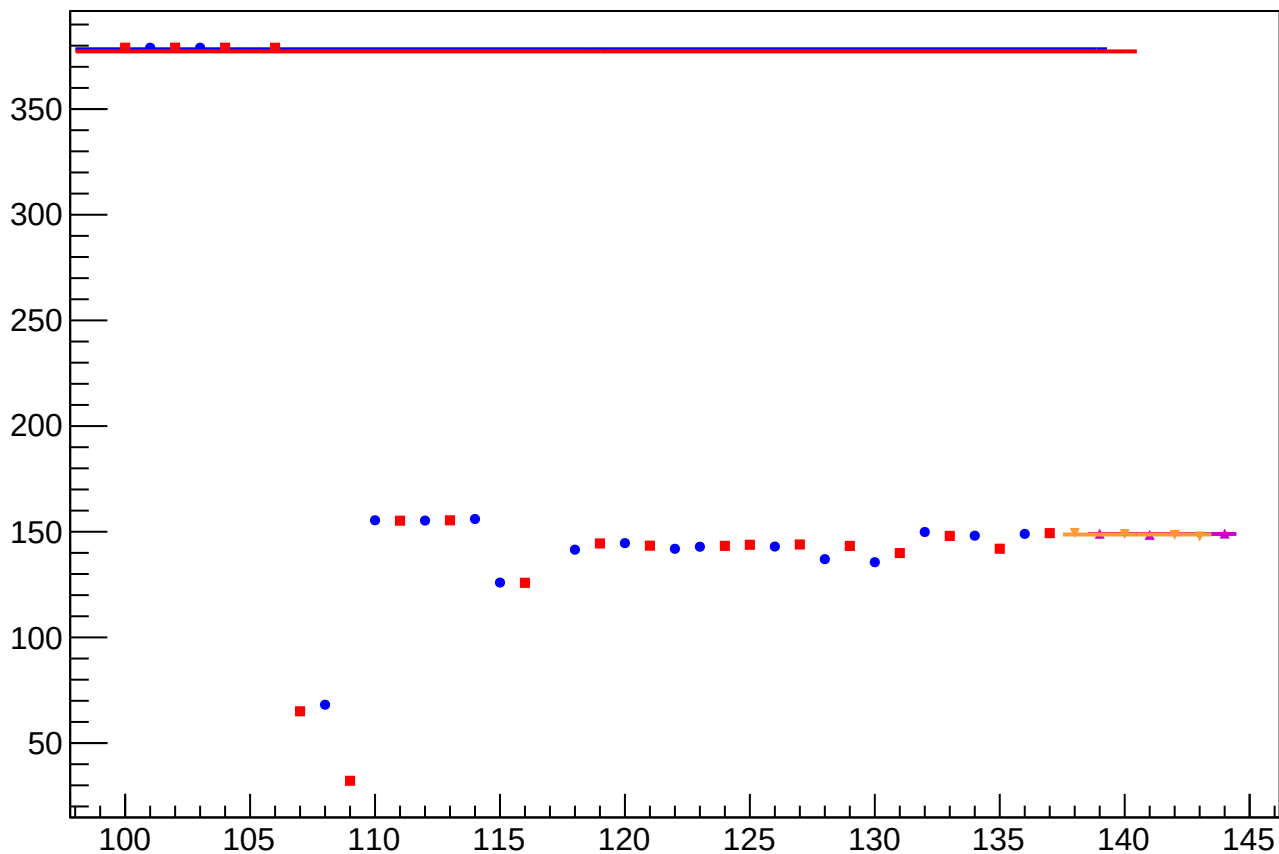
Right: 0.581 $\pm$ 0.000 χ^2 /NDF: 8168630.3/35

In: 0.561 $\pm$ 0.000 χ^2 /NDF:3642896.0/19

Out: 0.549 $\pm$ 0.000 χ^2 /NDF:4698815.6/22

All: 0.555 $\pm$ 0.000 χ^2 /NDF: 8343949.8/42

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.288+/-0.000 χ^2/NDF : 2492505563660.4/16

Left Out: 148.698+/-0.000 χ^2/NDF : 7655005.4/3

Right Out: 377.290+/-0.000 χ^2/NDF : 8277094761031.6/18

Left In: 148.946+/-0.000 χ^2/NDF : 1170016.5/2

Left: 148.814+/-0.000 χ^2/NDF : 9380948.1/6

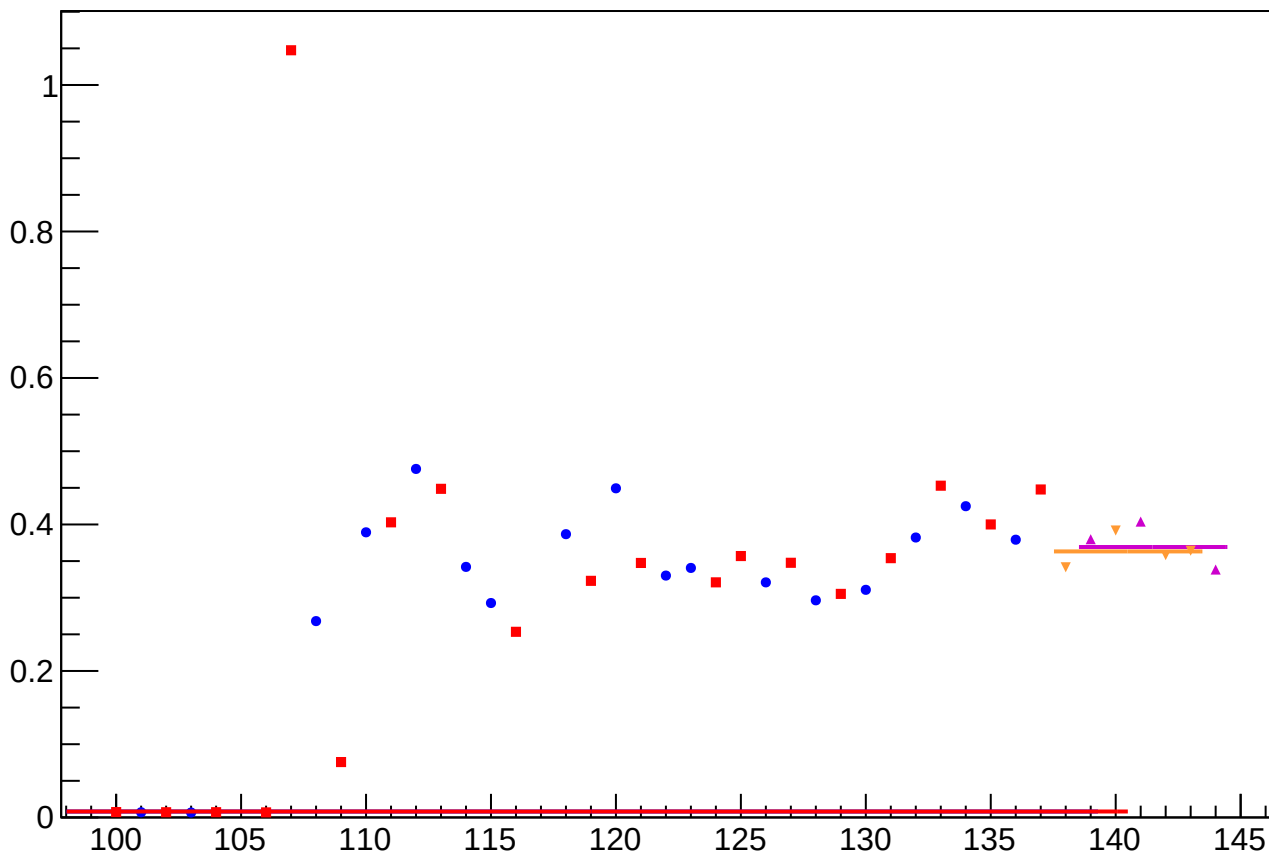
Right: 377.756+/-0.000 χ^2/NDF : 10776659688303.0

In: 377.997+/-0.000 χ^2/NDF : 3378718371739.3/19

Out: 376.999+/-0.000 χ^2/NDF : 9287838487259.4/2

All: 377.465+/-0.000 χ^2/NDF : 12673639862.0

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 9842025.8/16

Left Out: 0.363+/-0.000 χ^2/NDF : 14306.5/3

Right Out: 0.008+/-0.000 χ^2/NDF : 9491450.8/18

Left In: 0.369+/-0.000 χ^2/NDF : 26936.7/2

Left: 0.366+/-0.000 χ^2/NDF : 41898.8/6

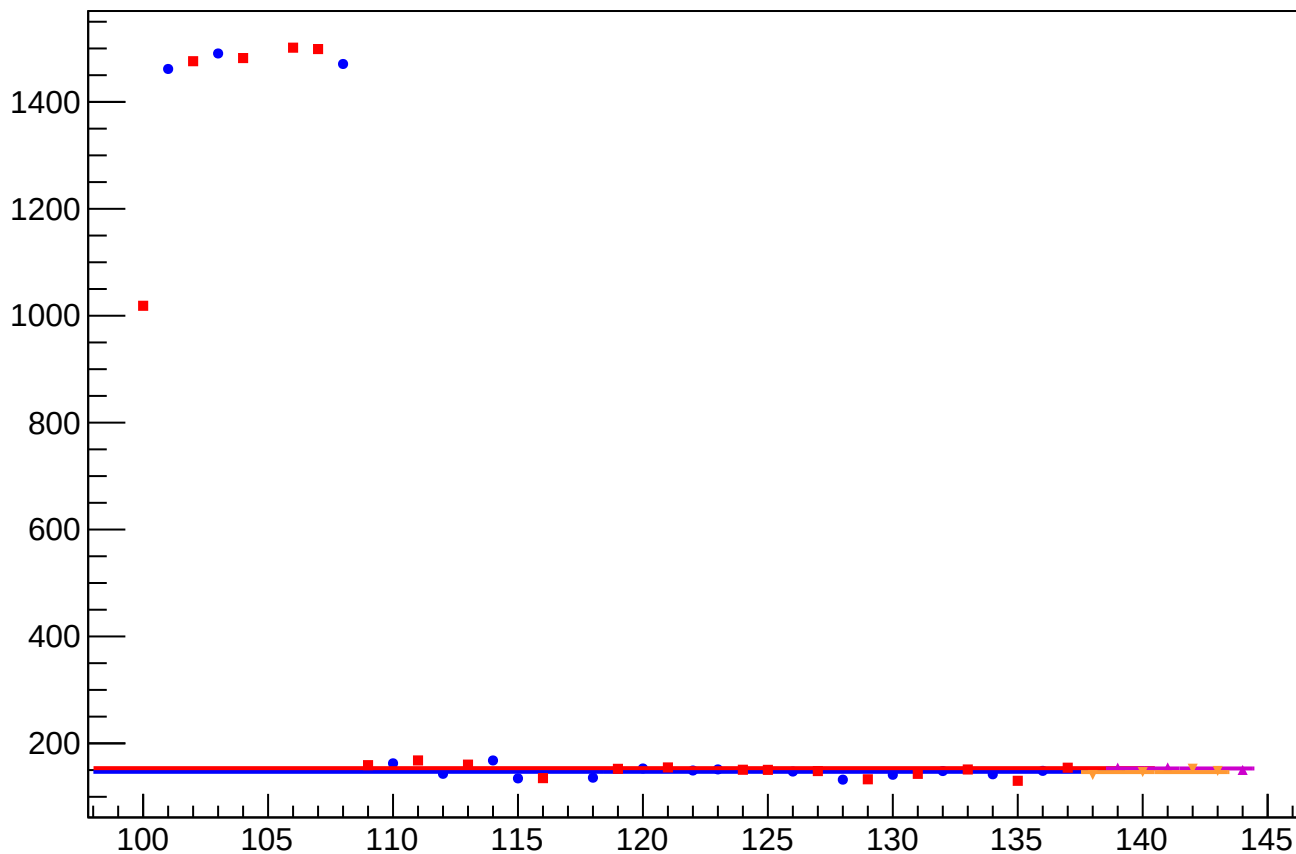
Right: 0.008+/-0.000 χ^2/NDF : 19333484.2/35

In: 0.009+/-0.000 χ^2/NDF : 14263269.0/19

Out: 0.009+/-0.000 χ^2/NDF : 14382740.3/22

All: 0.009+/-0.000 χ^2/NDF : 28646014.1/42

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.782+/-0.000 χ^2/NDF : 24345208780.4/16

Left Out: 146.246+/-0.001 χ^2/NDF : 41737788.6/3

Right Out: 153.596+/-0.000 χ^2/NDF : 33791266543.9/18

Left In: 153.018+/-0.001 χ^2/NDF : 11212734.3/2

Left: 149.365+/-0.000 χ^2/NDF : 108569039.1/6

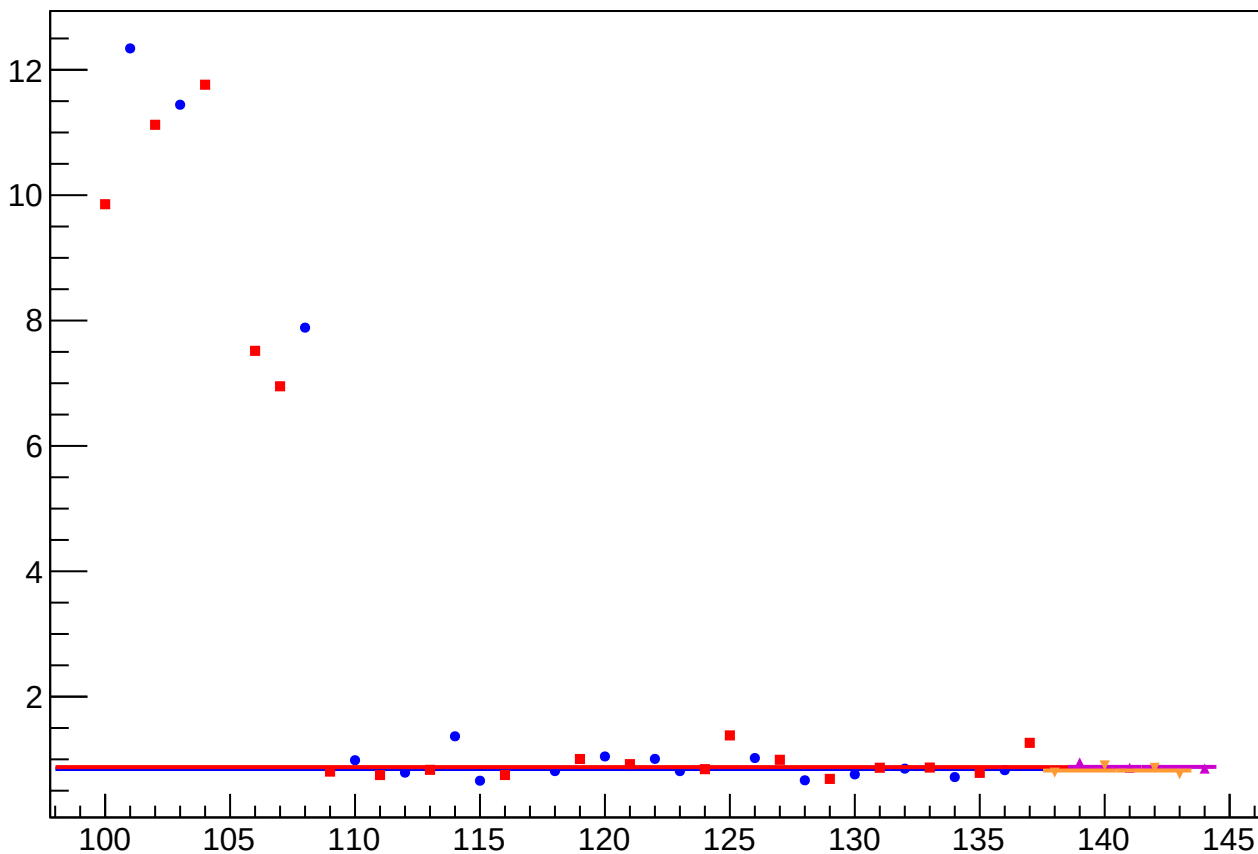
Right: 150.182+/-0.000 χ^2/NDF : 58259873830.0/35

In: 148.633+/-0.000 χ^2/NDF : 24417899007.2/19

Out: 151.158+/-0.000 χ^2/NDF : 33928064237.1/22

All: 149.925+/-0.000 χ^2/NDF : 58370676744.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.846+/-0.000 χ^2/NDF : 2658649.7/16

Left Out: 0.822+/-0.000 χ^2/NDF :17742.9/3

Right Out: 0.876+/-0.000 χ^2/NDF : 2826804.8/18

Left In: 0.880+/-0.000 χ^2/NDF :6935.9/2

Left: 0.848+/-0.000 χ^2/NDF : 32777.6/6

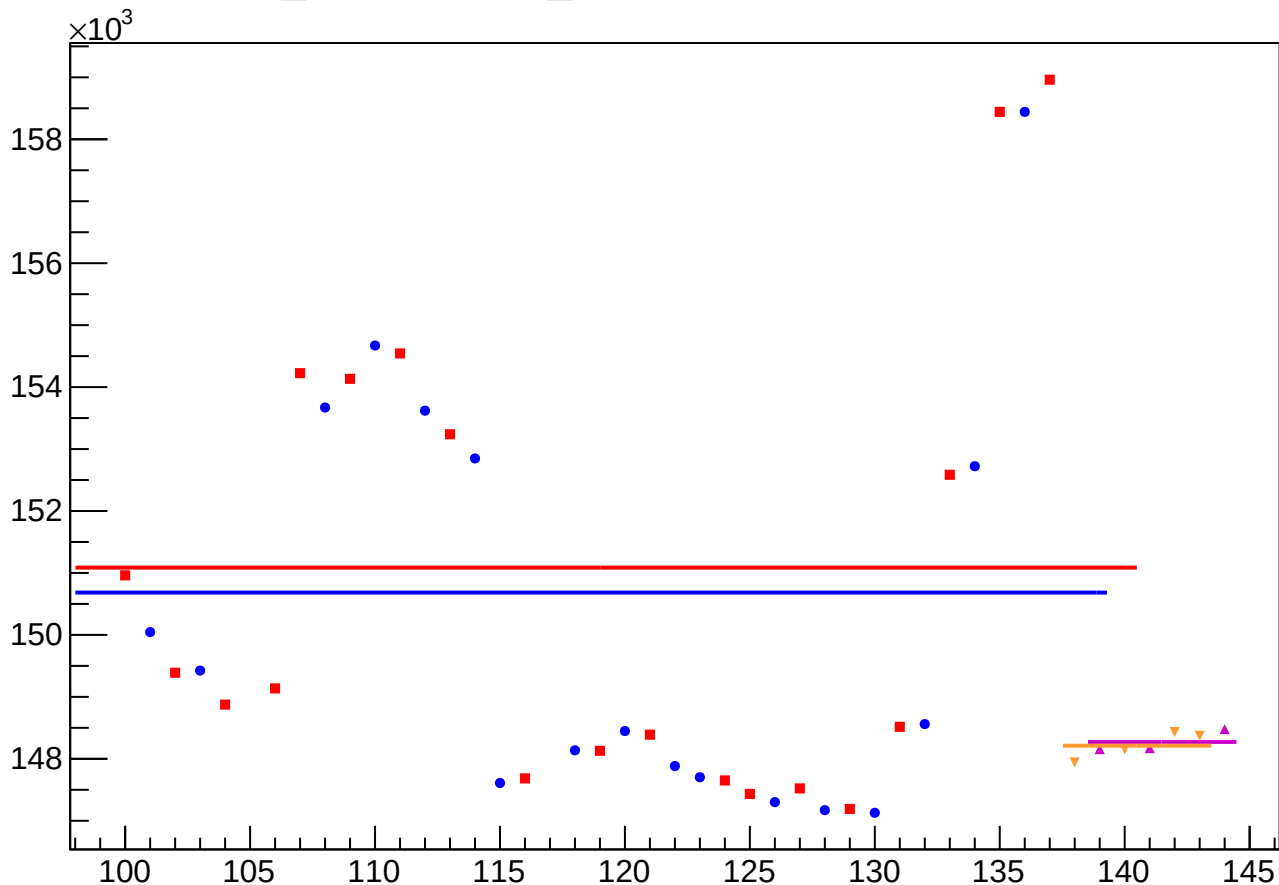
Right: 0.861+/-0.000 χ^2/NDF : 5490366.4/35

In: 0.856+/-0.000 χ^2/NDF :2669232.4/19

Out: 0.858+/-0.000 χ^2/NDF :2854894.1/22

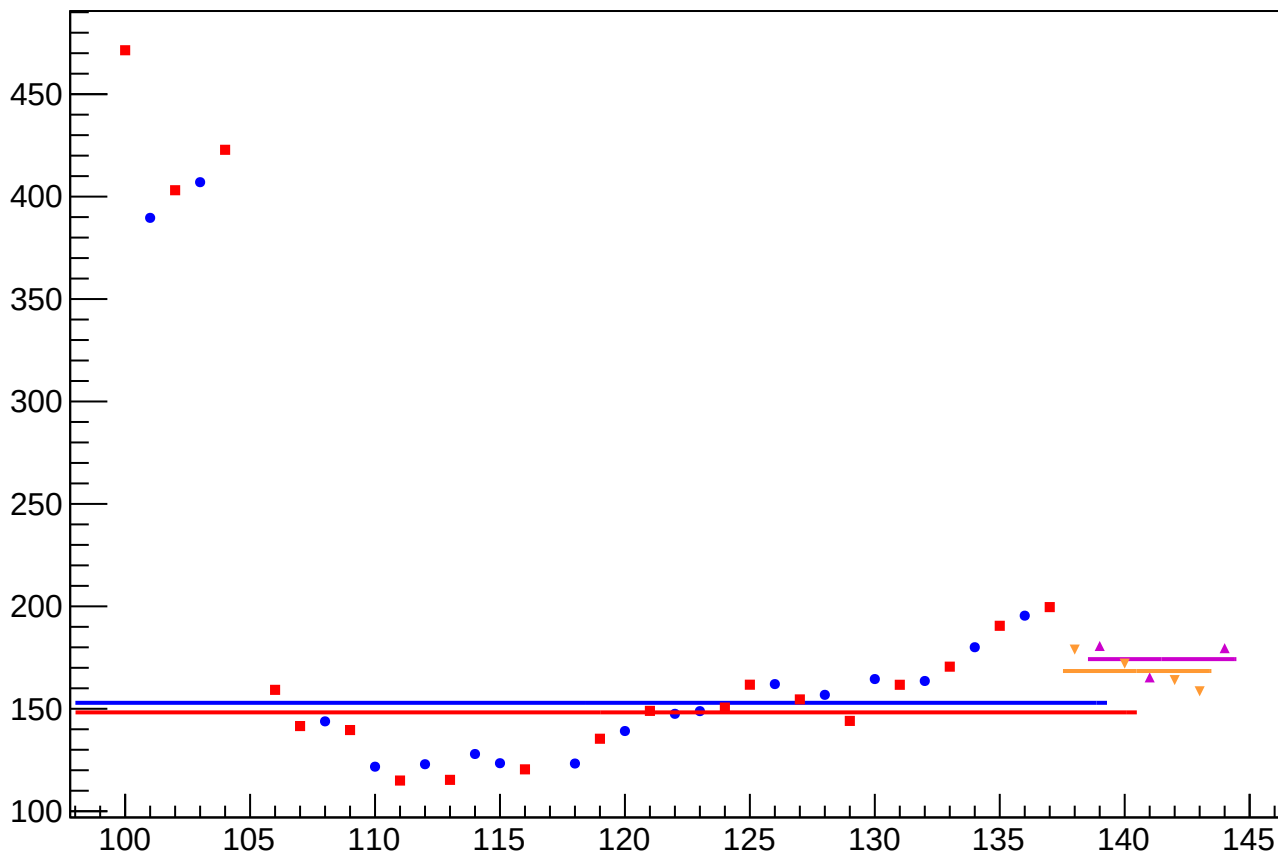
All: 0.857+/-0.000 χ^2/NDF : 5524168.7/42

yield_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 150683.304 $\pm$ 0.063 χ^2/NDF : 3299311261.5/16
 Left Out: 148211.608 $\pm$ 0.105 χ^2/NDF : 3152979.9/3
 Right Out: 151086.261 $\pm$ 0.060 χ^2/NDF : 3297509595.7/18
 Left In: 148272.664 $\pm$ 0.114 χ^2/NDF : 1705512.1/2
 Left: 148239.886 $\pm$ 0.077 χ^2/NDF : 5013842.4/6
 Right: 150895.868 $\pm$ 0.043 χ^2/NDF : 6618337097.0/2
 In: 150114.239 $\pm$ 0.055 χ^2/NDF : 3645614364.4/19
 Out: 150388.008 $\pm$ 0.052 χ^2/NDF : 3863595831.0/2
 All: 150259.268 $\pm$ 0.038 χ^2/NDF : 752226590.0/2

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 152.916 $\pm$ 0.045 χ^2 /NDF: 1154367.4/16

Left Out: 168.437 $\pm$ 0.075 χ^2 /NDF:11311.6/3

Right Out: 148.245 $\pm$ 0.042 χ^2 /NDF: 1189017.0/18

Left In: 174.243 $\pm$ 0.080 χ^2 /NDF:8078.9/2

Left: 171.126 $\pm$ 0.055 χ^2 /NDF: 22200.4/6

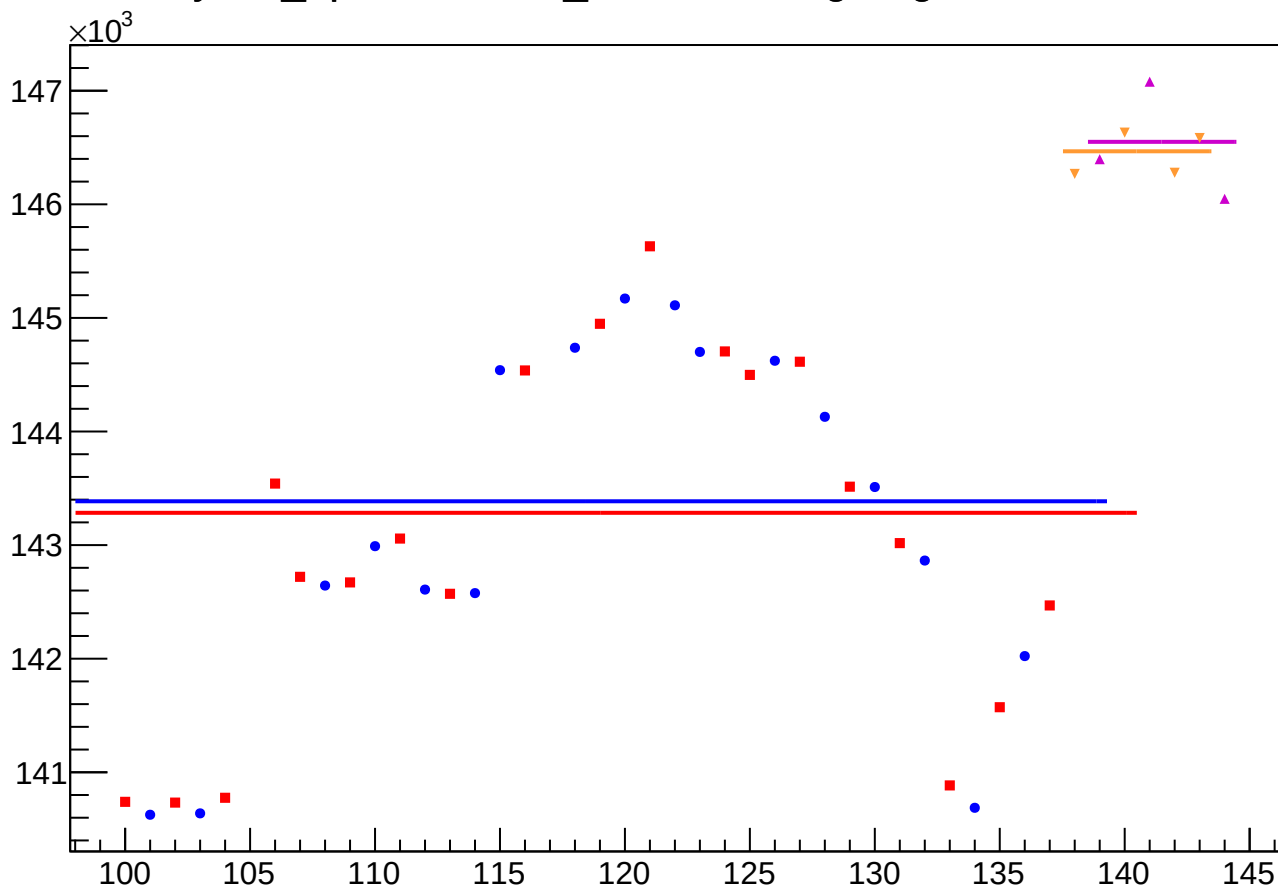
Right: 150.452 $\pm$ 0.031 χ^2 /NDF: 2349165.6/35

In: 157.951 $\pm$ 0.039 χ^2 /NDF:1216392.4/19

Out: 153.150 $\pm$ 0.037 χ^2 /NDF:1255876.4/22

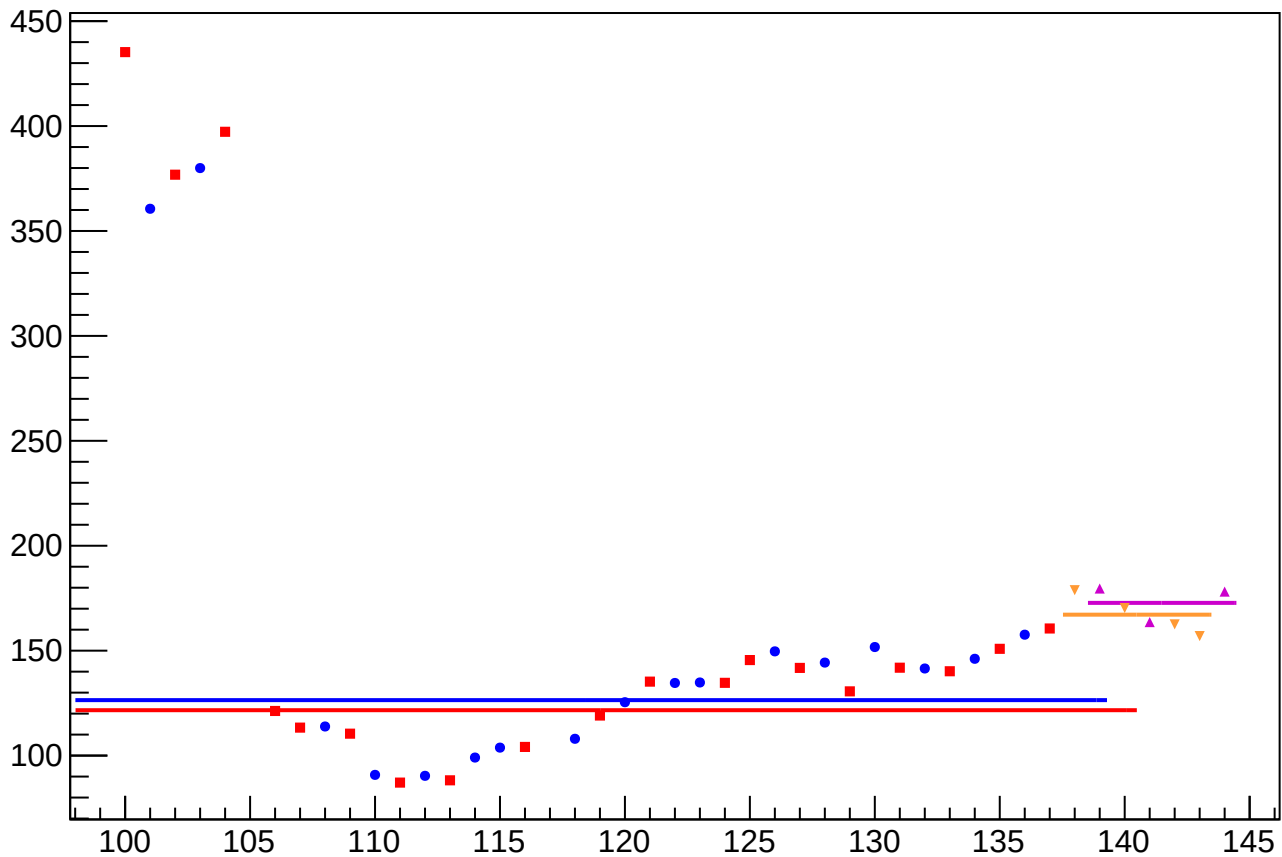
All: 155.407 $\pm$ 0.027 χ^2 /NDF: 2480297.9/42

yield_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 143385.822 $\pm$ 0.053	χ^2 /NDF: 520518329.3/16	Left: 146505.379 $\pm$ 0.077	χ^2 /NDF: 18811857.2/6
Left Out: 146466.782 $\pm$ 0.105	χ^2 /NDF: 2534526.8/3	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: 143956.688 $\pm$ 0.048	χ^2 /NDF: 1184599496.5/19
Left In: 146550.052 $\pm$ 0.113	χ^2 /NDF: 15983539.7/2	Out: 143859.163 $\pm$ 0.044	χ^2 /NDF: 1369618313.2/2
		All: 143904.399 $\pm$ 0.033	χ^2 /NDF: 255645015.0/1

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 126.427 $\pm$ 0.037 χ^2/NDF : 1442156.7/16

Left Out: 167.153 $\pm$ 0.074 χ^2/NDF :12873.7/3

Right Out: 121.629 $\pm$ 0.035 χ^2/NDF : 1458546.9/18

Left In: 172.772 $\pm$ 0.080 χ^2/NDF :8757.3/2

Left: 169.757 $\pm$ 0.054 χ^2/NDF : 24306.2/6

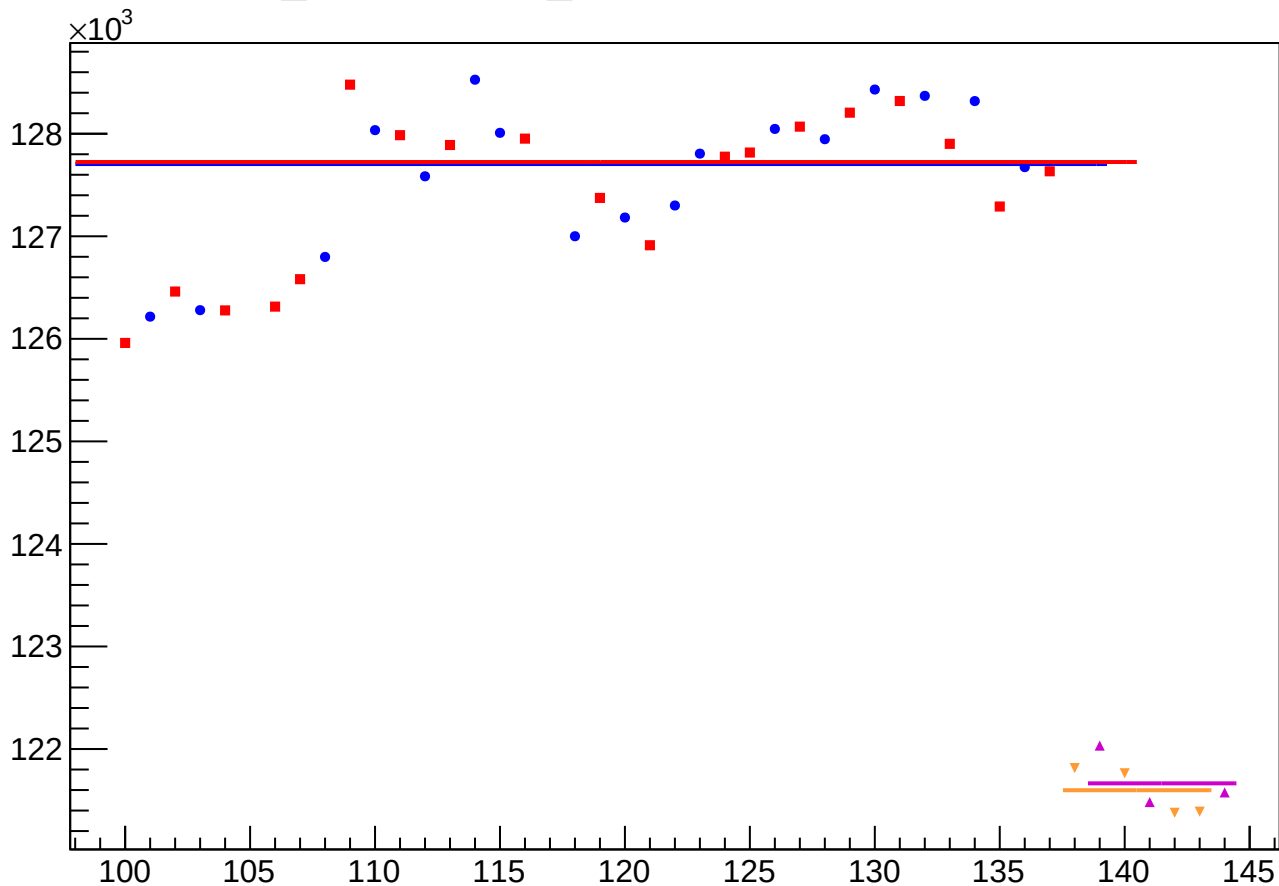
Right: 123.855 $\pm$ 0.025 χ^2/NDF : 2909560.8/35

In: 134.788 $\pm$ 0.034 χ^2/NDF :1728964.8/19

Out: 129.853 $\pm$ 0.031 χ^2/NDF :1781859.1/22

All: 132.142 $\pm$ 0.023 χ^2/NDF : 3522259.5/42

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127704.536 $\pm$ 0.058

χ^2/NDF : 97614287.1/16

Left: 121630.309 $\pm$ 0.065

χ^2/NDF : 11049833.0/6

Left Out: 121598.305 $\pm$ 0.090

χ^2/NDF : 5015015.9/3

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: 126032.771 $\pm$ 0.049

χ^2/NDF : 3086572458.0/19

Out: 126080.141 $\pm$ 0.047

χ^2/NDF : 3502405907.6/2

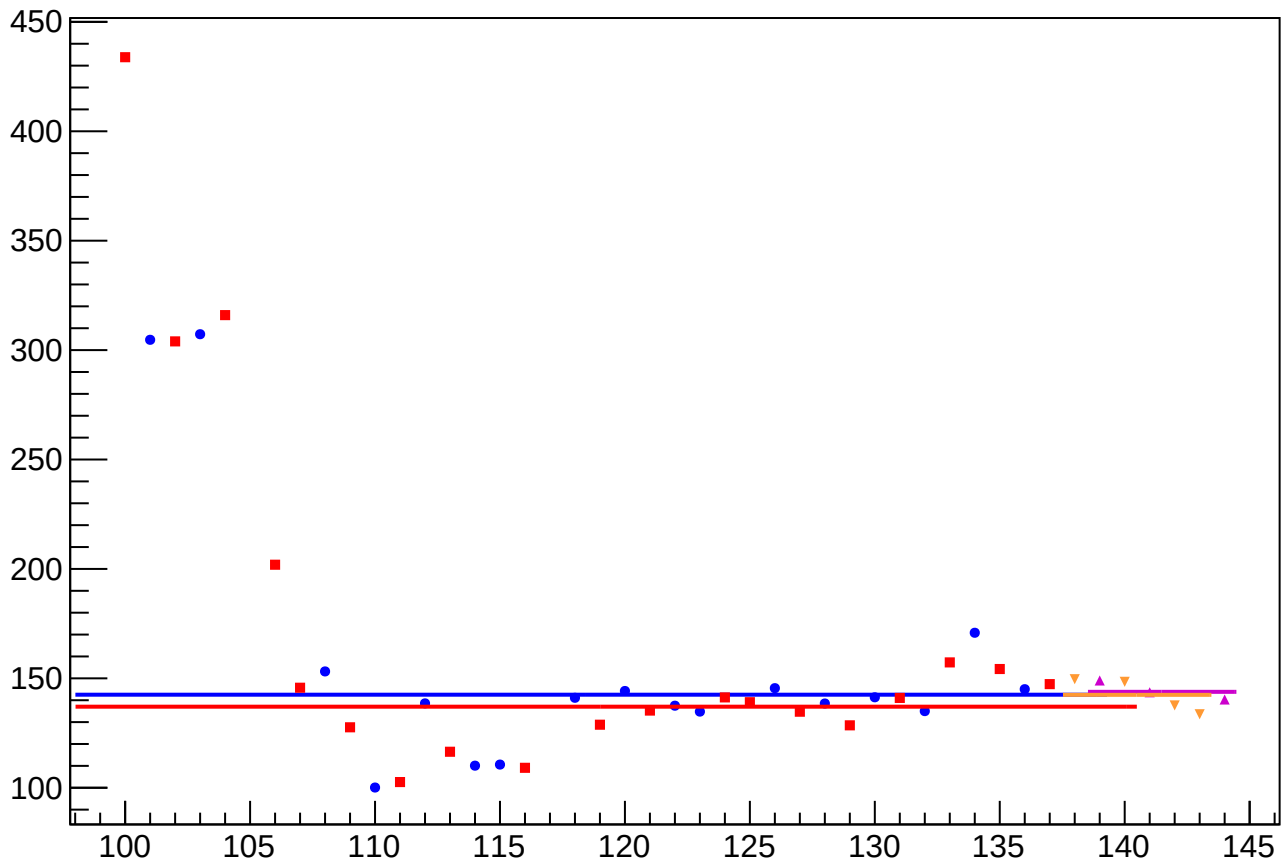
Left In: 121665.196 $\pm$ 0.094

χ^2/NDF : 5770897.4/2

All: 126057.841 $\pm$ 0.034

χ^2/NDF : 658946358.0/10

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.524+/-0.041 χ^2/NDF : 836220.9/16

Left Out: 142.460+/-0.064 χ^2/NDF :12302.9/3

Right Out: 137.050+/-0.039 χ^2/NDF : 956482.5/18

Left In: 143.833+/-0.066 χ^2/NDF :2671.0/2

Left: 143.116+/-0.046 χ^2/NDF : 15196.3/6

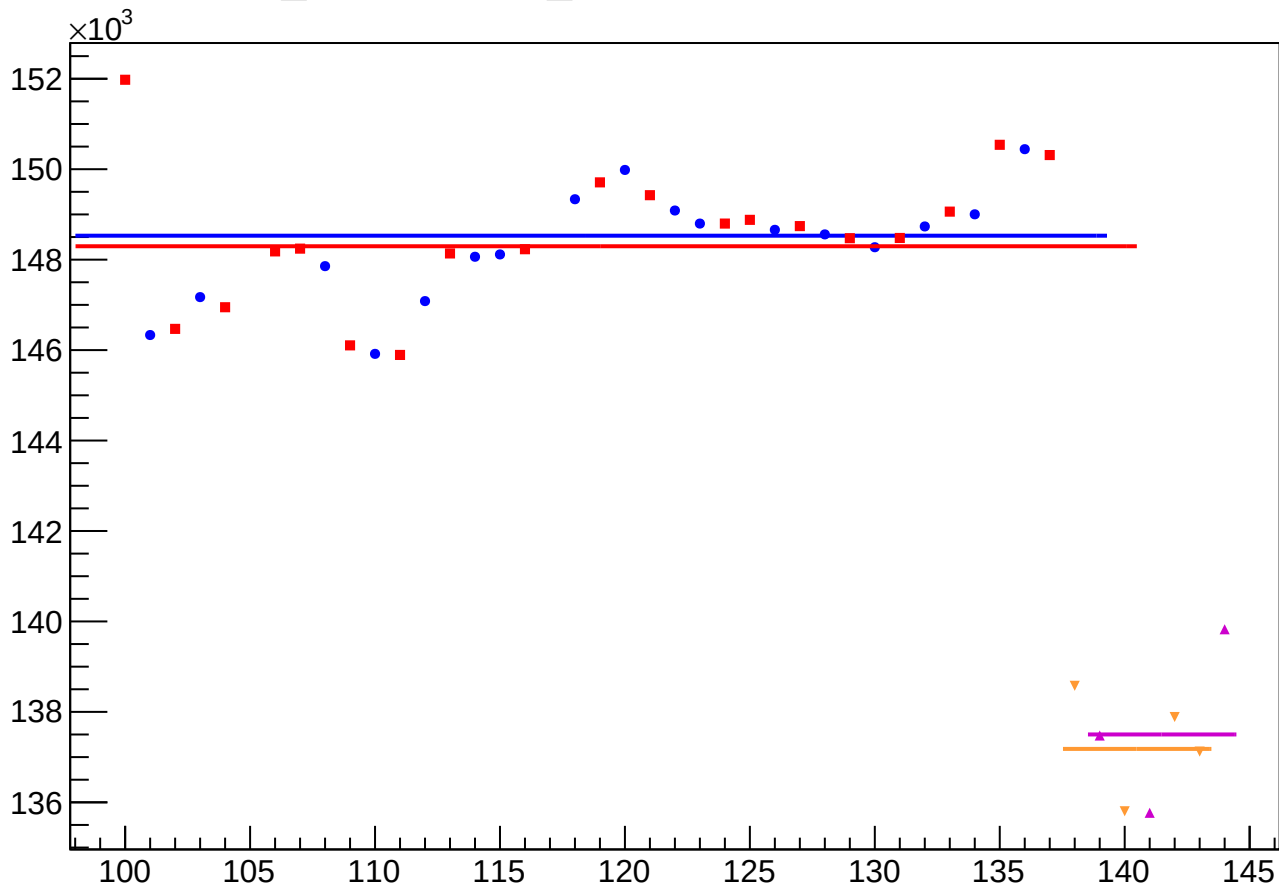
Right: 139.611+/-0.028 χ^2/NDF : 1802128.3/35

In: 142.886+/-0.035 χ^2/NDF :839171.9/19

Out: 138.502+/-0.033 χ^2/NDF :974064.9/22

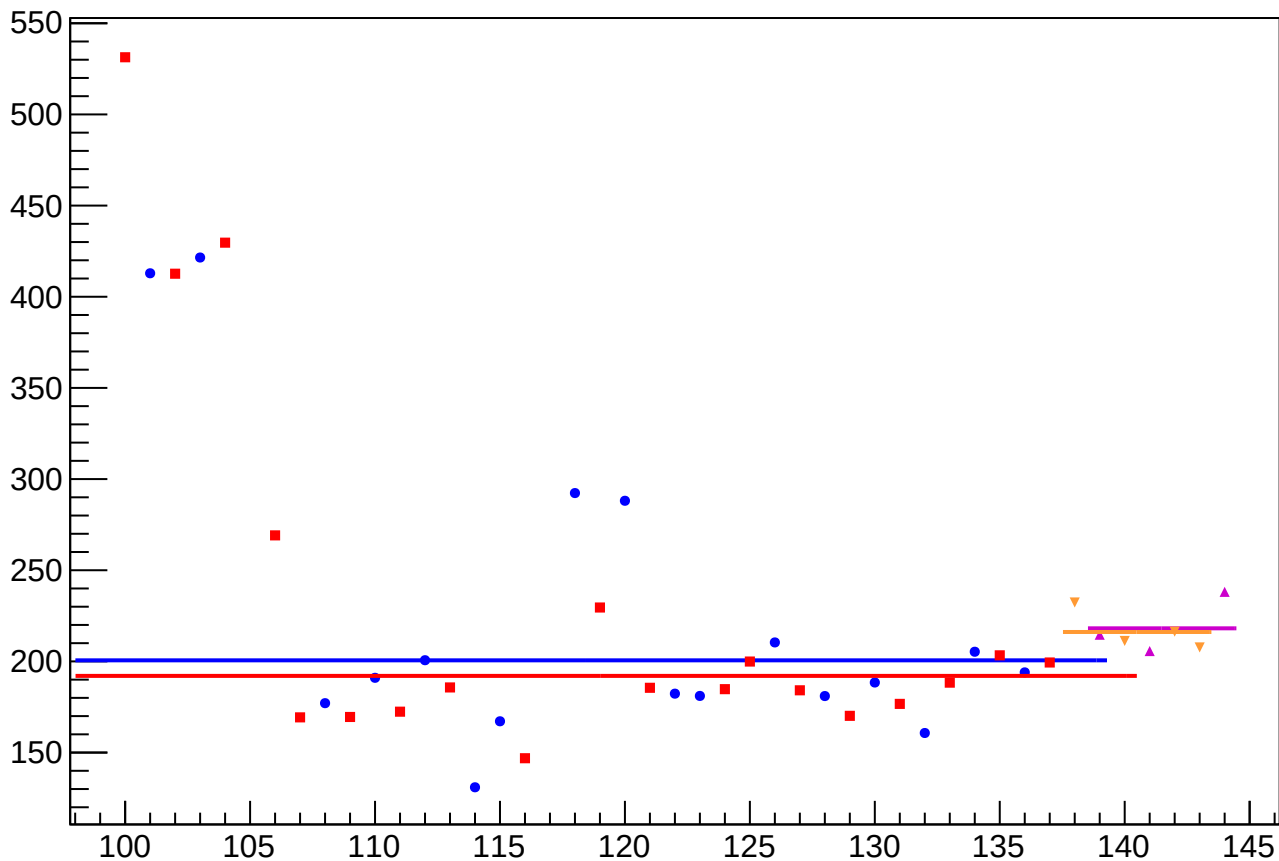
All: 140.566+/-0.024 χ^2/NDF : 1821551.6/42

yield_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: 148529.735 $\pm$ 0.082	χ^2/NDF : 209963911.3/16	Left: 137333.401 $\pm$ 0.098	χ^2/NDF : 205192729.2/6
Left Out: 137181.264 $\pm$ 0.136	χ^2/NDF : 62501553.1/3	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: 145769.010 $\pm$ 0.071	χ^2/NDF : 4848510676.0/19
Left In: 137500.965 $\pm$ 0.142	χ^2/NDF : 140048386.3/2	Out: 145618.061 $\pm$ 0.067	χ^2/NDF : 5451030252.3/2
		All: 145688.461 $\pm$ 0.049	χ^2/NDF : 103019373

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 200.585+/-0.058 χ^2/NDF : 935452.3/16

Left Out: 216.136+/-0.096 χ^2/NDF : 9844.7/3

Right Out: 192.054+/-0.054 χ^2/NDF : 845373.5/18

Left In: 218.140+/-0.101 χ^2/NDF : 18449.8/2

Left: 217.090+/-0.069 χ^2/NDF : 28502.4/6

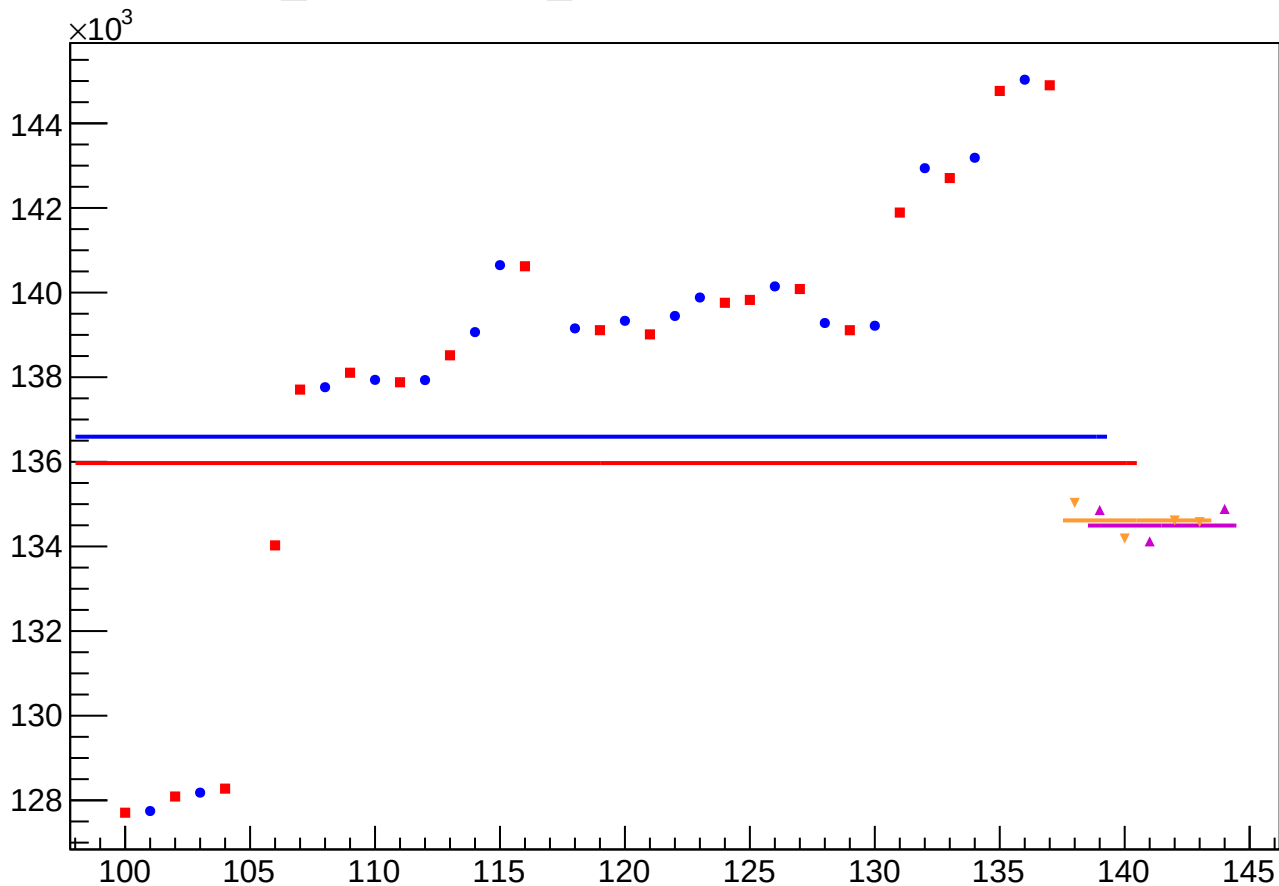
Right: 196.006+/-0.040 χ^2/NDF : 1792367.6/35

In: 204.979+/-0.050 χ^2/NDF : 976699.2/19

Out: 197.857+/-0.047 χ^2/NDF : 903054.1/22

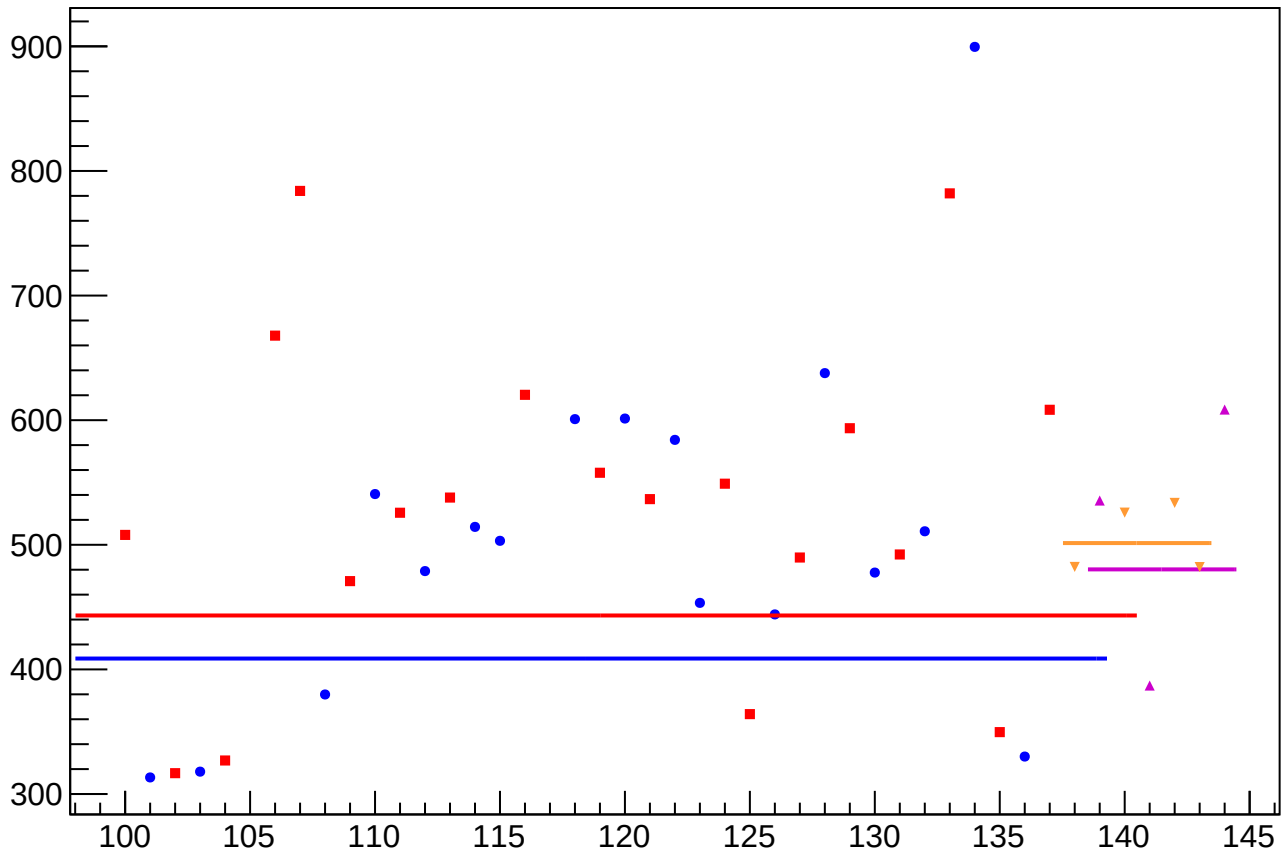
All: 201.179+/-0.034 χ^2/NDF : 1890423.7/42

yield_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: 136593.896 $\pm$ 0.172	χ^2 /NDF: 1493317567.5/16	Left: 134560.312 $\pm$ 0.238	χ^2 /NDF: 2166753.2/6
Left Out: 134615.114 $\pm$ 0.322	χ^2 /NDF: 967583.2/3	Right: 136301.988 $\pm$ 0.125	χ^2 /NDF: 2580296104.5/6
Right Out: 135970.927 $\pm$ 0.183	χ^2 /NDF: 1080815746.9/18	In: 136194.038 $\pm$ 0.155	χ^2 /NDF: 1522907066.9/19
Left In: 134494.106 $\pm$ 0.354	χ^2 /NDF: 1135306.5/2	Out: 135640.470 $\pm$ 0.159	χ^2 /NDF: 1095171389.8/2
		All: 135925.244 $\pm$ 0.111	χ^2 /NDF: 262430718

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 408.721+/-0.121 χ^2/NDF : 830375.0/16

Left Out: 501.384+/-0.228 χ^2/NDF : 10191.6/3

Right Out: 443.274+/-0.129 χ^2/NDF : 916555.3/18

Left In: 480.260+/-0.250 χ^2/NDF : 151407.7/2

Left: 491.817+/-0.169 χ^2/NDF : 165491.8/6

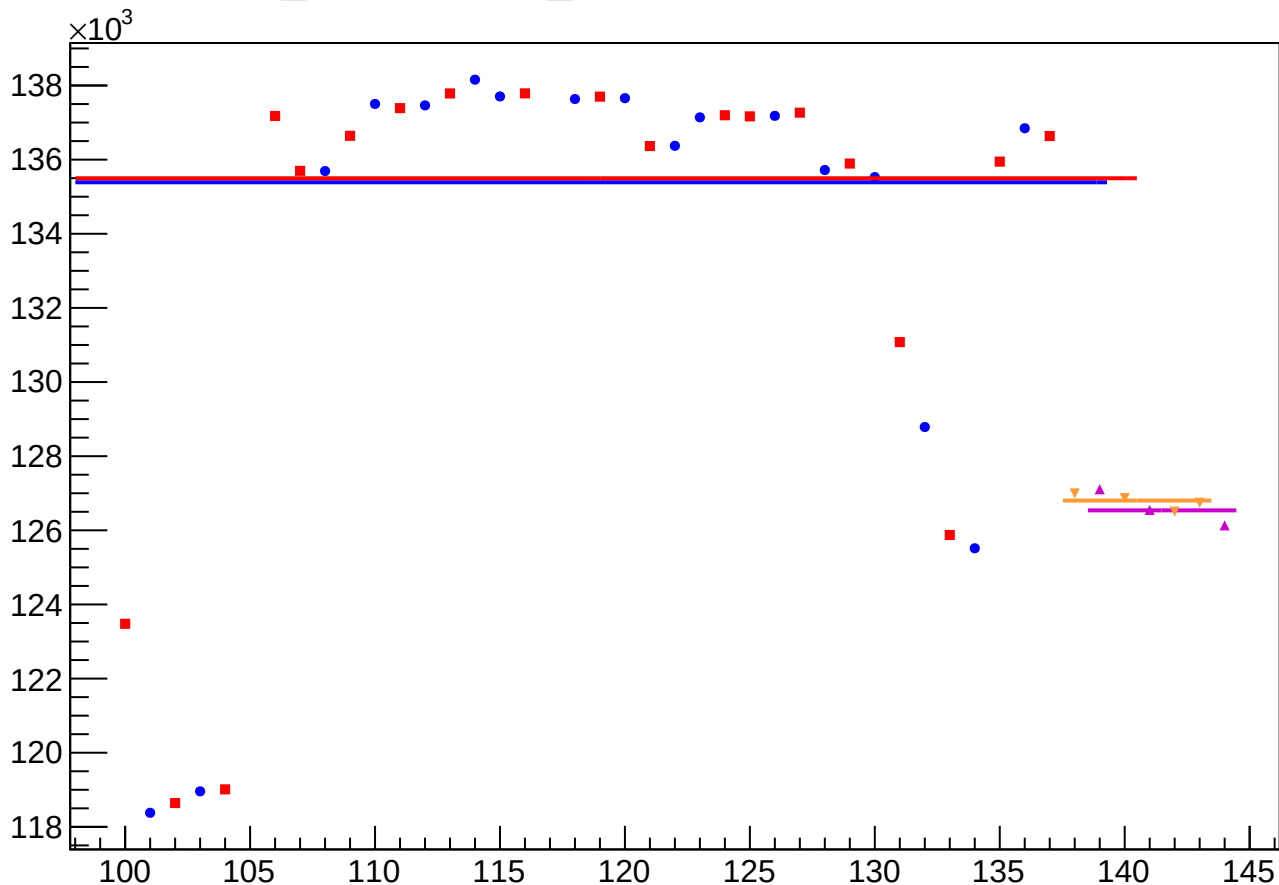
Right: 424.912+/-0.089 χ^2/NDF : 1784847.3/35

In: 422.344+/-0.109 χ^2/NDF : 1047837.6/19

Out: 457.437+/-0.112 χ^2/NDF : 975934.9/22

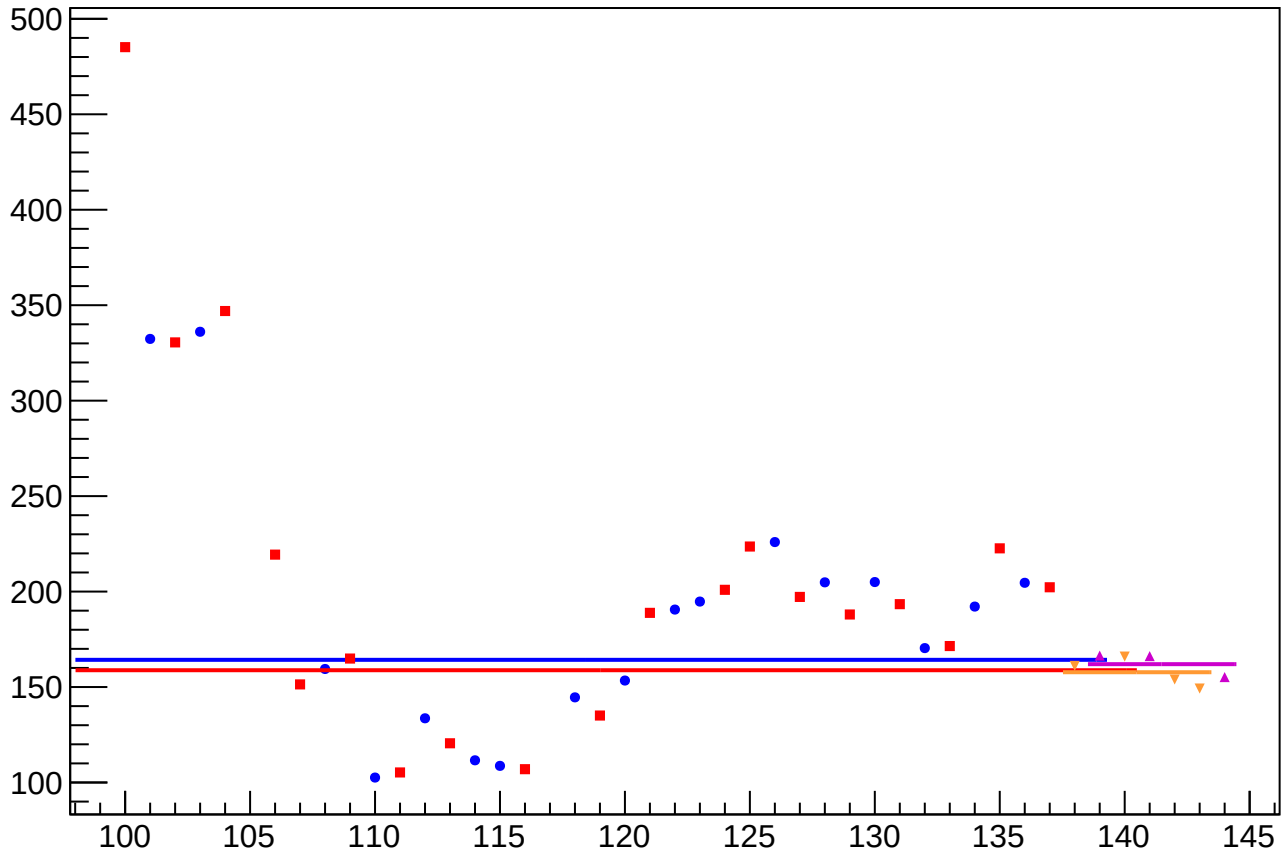
All: 439.384+/-0.078 χ^2/NDF : 2073837.1/42

yield_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: 135389.443 $\pm$ 0.068	χ^2 /NDF: 4578120272.5/16	Left: 126679.286 $\pm$ 0.072	χ^2 /NDF: 19748060.8/6
Left Out: 126803.477 $\pm$ 0.099	χ^2 /NDF: 2781531.9/3	Right: 135446.829 $\pm$ 0.047	χ^2 /NDF: 9318066155.5/1
Right Out: 135497.758 $\pm$ 0.064	χ^2 /NDF: 4738615601.8/18	In: 132775.759 $\pm$ 0.057	χ^2 /NDF: 9542823595.7/19
Left In: 126538.399 $\pm$ 0.106	χ^2 /NDF: 13617246.2/2	Out: 132918.069 $\pm$ 0.054	χ^2 /NDF: 10150067127.0/1
		All: 132851.226 $\pm$ 0.039	χ^2 /NDF: 196961524.0/1

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 164.250+/-0.048 χ^2/NDF : 1227814.4/16

Left Out: 157.754+/-0.070 χ^2/NDF : 9091.5/3

Right Out: 158.804+/-0.046 χ^2/NDF : 1376920.6/18

Left In: 161.981+/-0.075 χ^2/NDF : 5262.7/2

Left: 159.735+/-0.051 χ^2/NDF : 16057.4/6

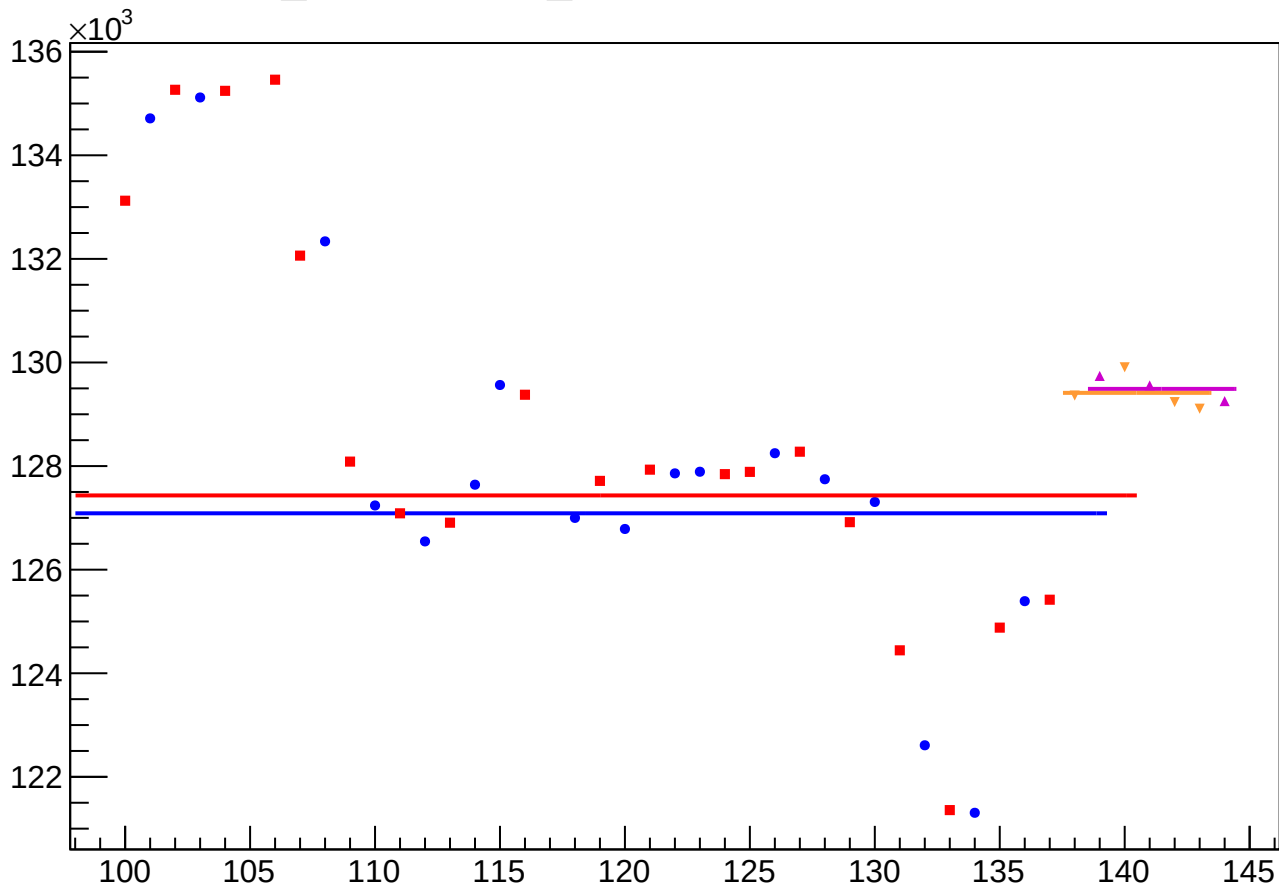
Right: 161.365+/-0.033 χ^2/NDF : 2611460.2/35

In: 163.580+/-0.041 χ^2/NDF : 1233727.6/19

Out: 158.493+/-0.038 χ^2/NDF : 1386169.9/22

All: 160.882+/-0.028 χ^2/NDF : 2628233.6/42

yield_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: 127088.167 $\pm$ 0.066 χ^2 /NDF: 1716591601.9/16

Left Out: 129413.525 $\pm$ 0.097 χ^2 /NDF: 10475679.1/3

Right Out: 127433.358 $\pm$ 0.062 χ^2 /NDF: 2081739412.0/18

Left In: 129490.179 $\pm$ 0.104 χ^2 /NDF: 3716895.9/2

Left: 129449.432 $\pm$ 0.071 χ^2 /NDF: 14482836.9/6

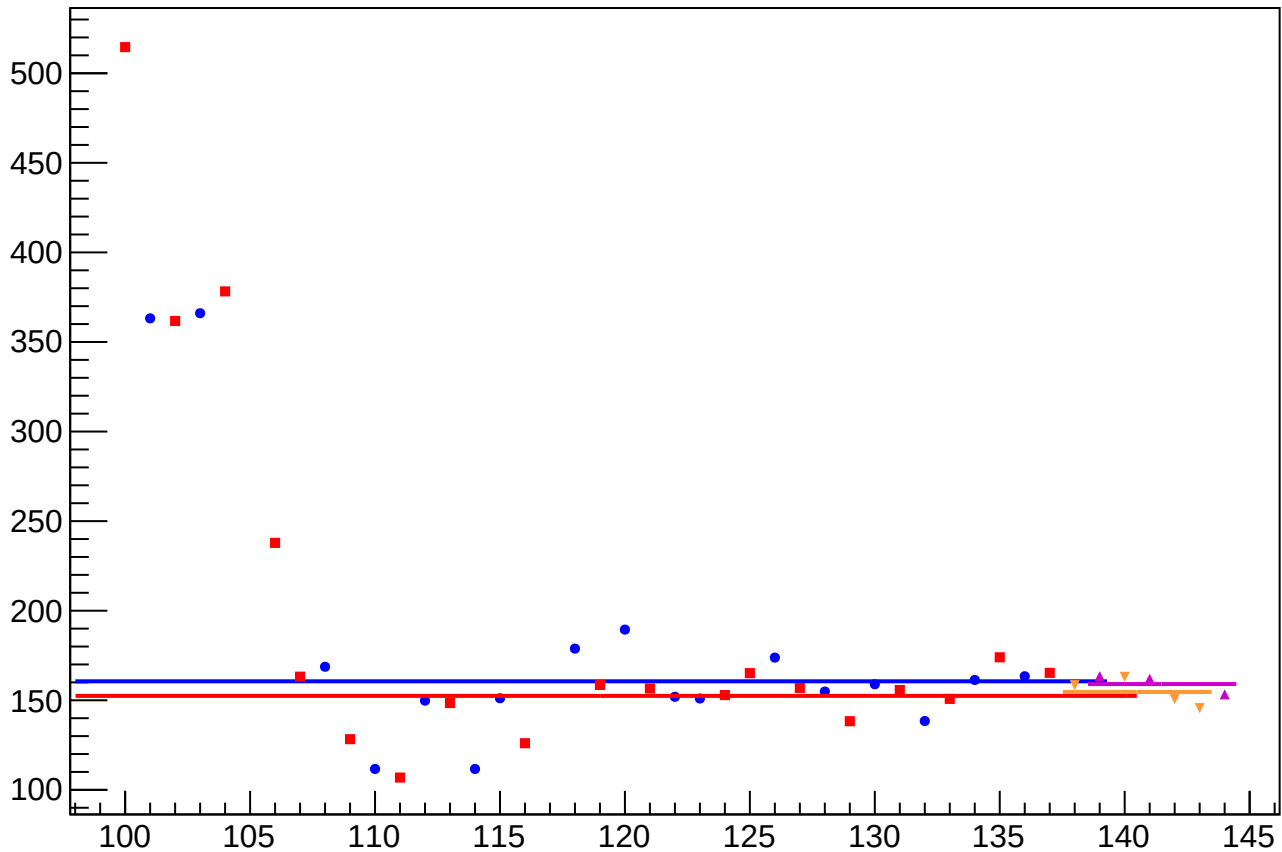
Right: 127273.865 $\pm$ 0.045 χ^2 /NDF: 3812853475.7/16

In: 127786.857 $\pm$ 0.056 χ^2 /NDF: 2100526770.5/19

Out: 127998.901 $\pm$ 0.052 χ^2 /NDF: 2387612783.4/20

All: 127900.537 $\pm$ 0.038 χ^2 /NDF: 449584082.0/44

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 160.589+/-0.047 χ^2/NDF : 942522.1/16

Left Out: 154.623+/-0.069 χ^2/NDF :10481.3/3

Right Out: 152.452+/-0.044 χ^2/NDF : 1084973.3/18

Left In: 159.055+/-0.073 χ^2/NDF :3926.7/2

Left: 156.699+/-0.050 χ^2/NDF : 16348.8/6

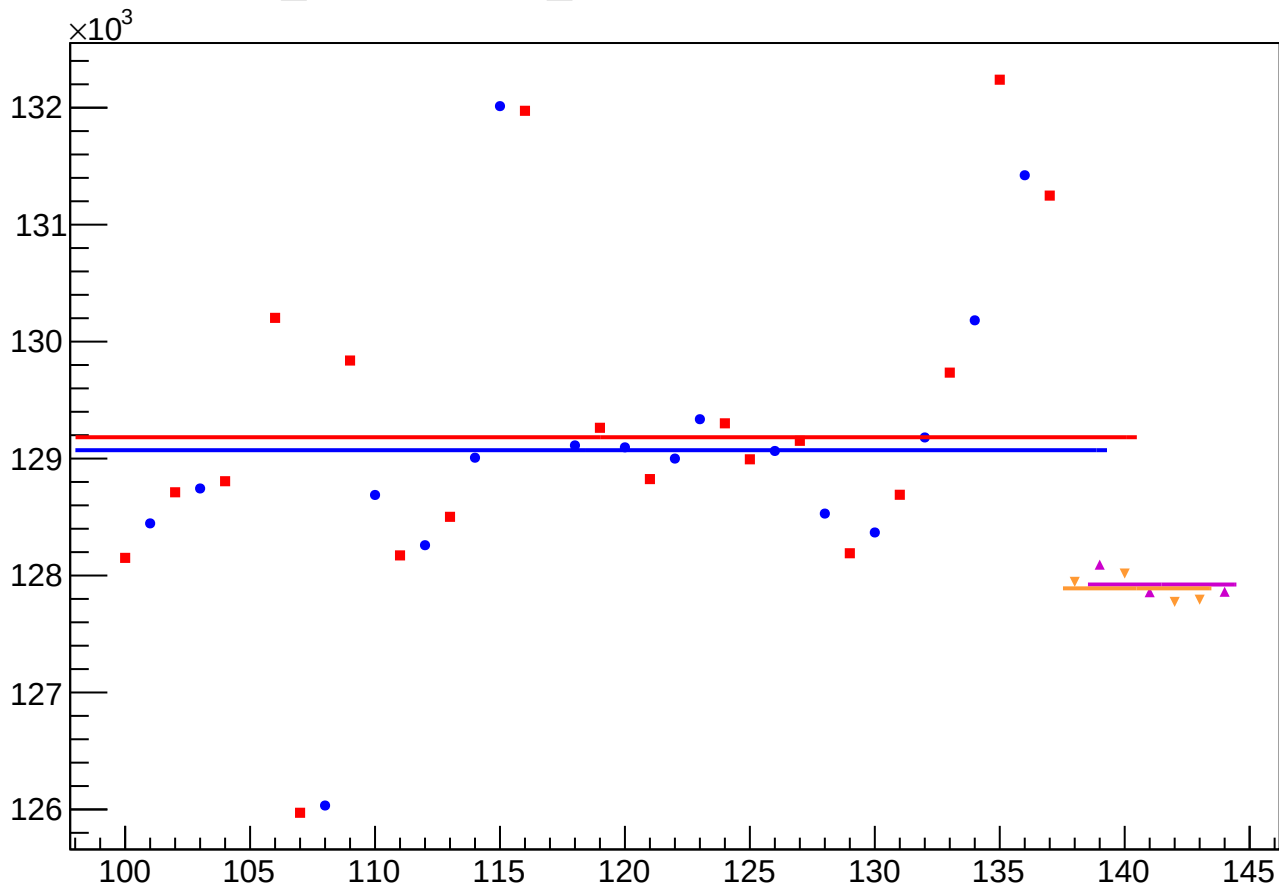
Right: 156.211+/-0.032 χ^2/NDF : 2043633.6/35

In: 160.143+/-0.040 χ^2/NDF :946758.7/19

Out: 153.072+/-0.037 χ^2/NDF :1096164.9/22

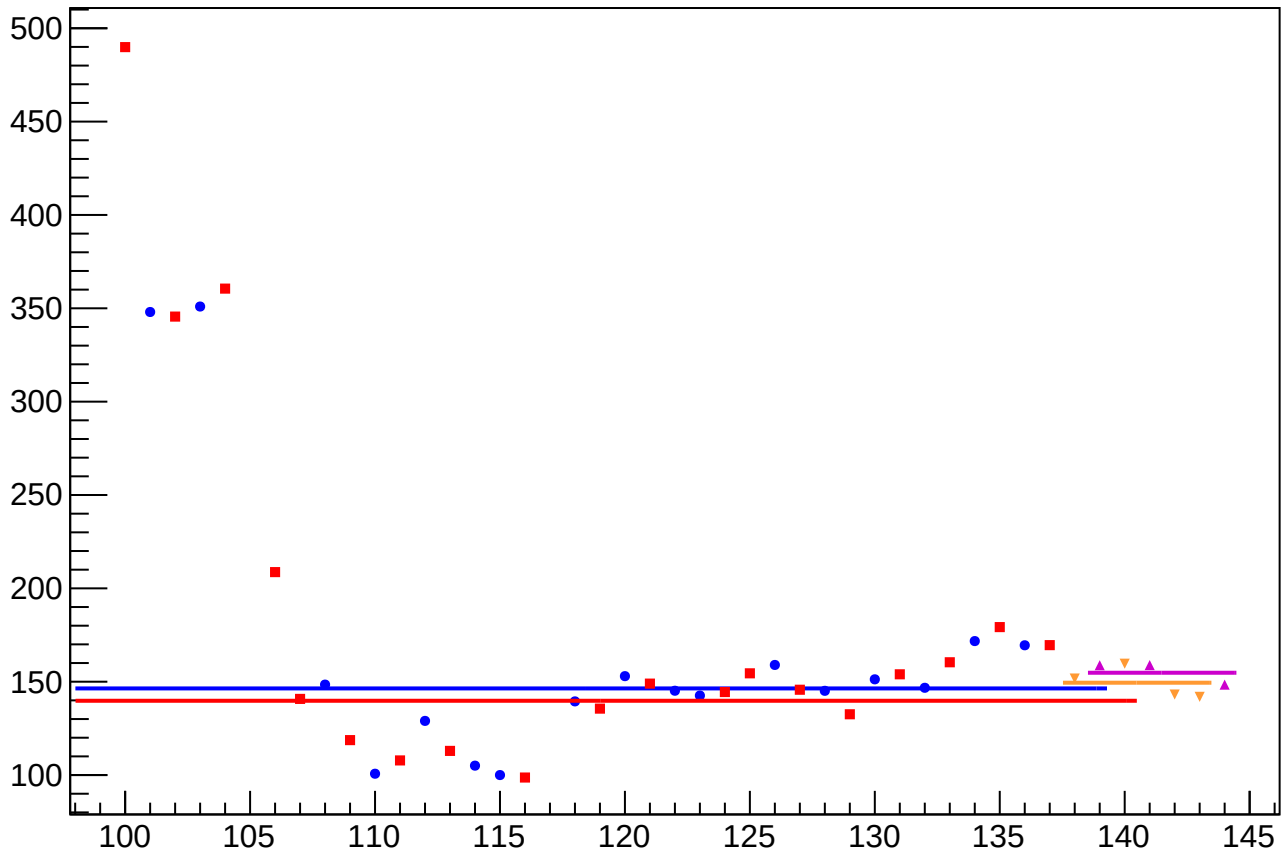
All: 156.352+/-0.027 χ^2/NDF : 2060049.7/42

yield_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: 129071.617 $\pm$ 0.060	χ^2 /NDF: 476291091.1/16	Left: 127905.549 $\pm$ 0.069	χ^2 /NDF: 2270629.9/6
Left Out: 127890.344 $\pm$ 0.094	χ^2 /NDF: 1152680.4/3	Right: 129130.997 $\pm$ 0.041	χ^2 /NDF: 1103528566.8/7
Right Out: 129182.486 $\pm$ 0.056	χ^2 /NDF: 625425272.9/18	In: 128769.401 $\pm$ 0.052	χ^2 /NDF: 572896235.3/19
Left In: 127923.113 $\pm$ 0.101	χ^2 /NDF: 1061372.4/2	Out: 128842.052 $\pm$ 0.048	χ^2 /NDF: 766220047.8/22
		All: 128808.320 $\pm$ 0.035	χ^2 /NDF: 134017255.0/25

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 146.401 $\pm$ 0.043 χ^2 /NDF: 1066973.0/16

Left Out: 149.458 $\pm$ 0.066 χ^2 /NDF:11848.0/3

Right Out: 139.793 $\pm$ 0.040 χ^2 /NDF: 1200865.0/18

Left In: 154.796 $\pm$ 0.071 χ^2 /NDF:5104.2/2

Left: 151.935 $\pm$ 0.049 χ^2 /NDF: 19955.0/6

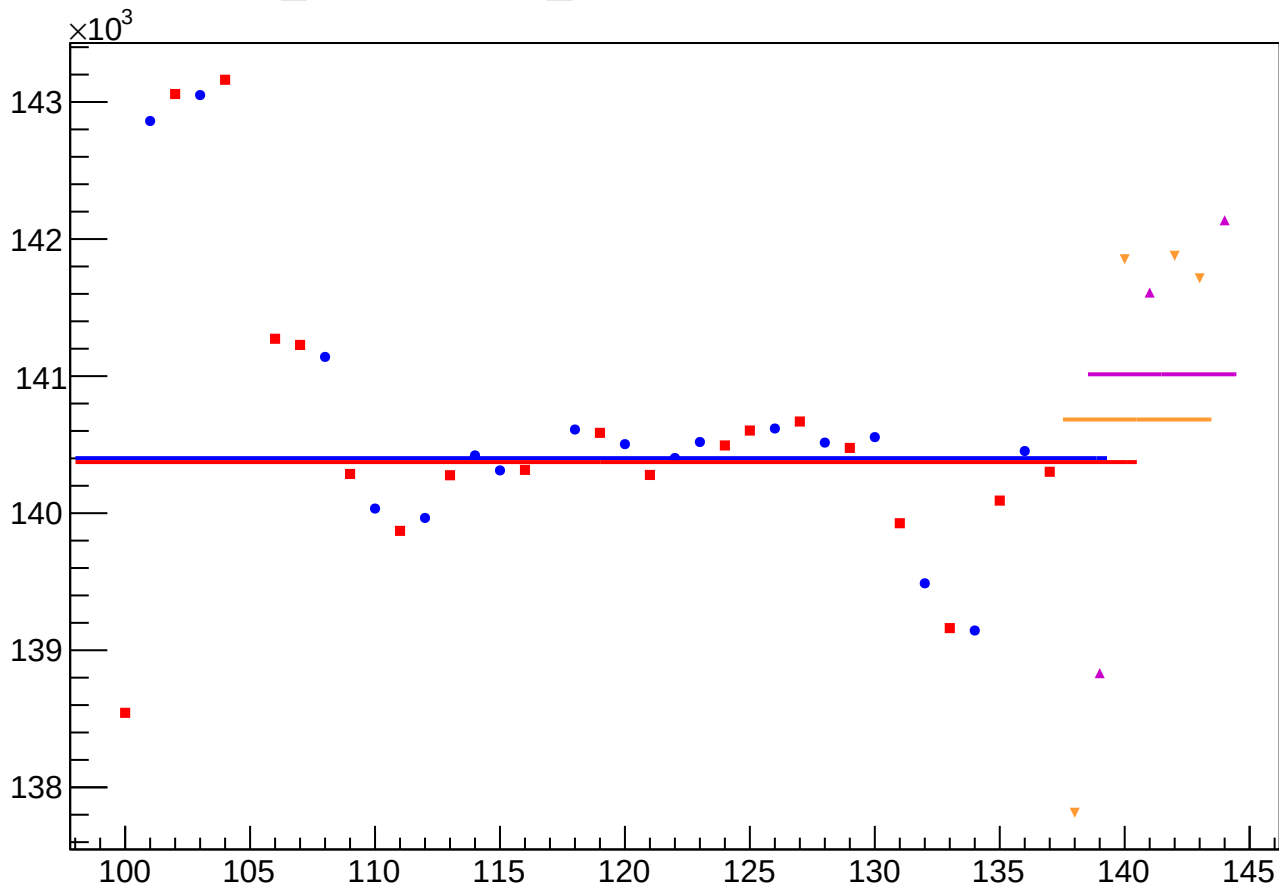
Right: 142.862 $\pm$ 0.029 χ^2 /NDF: 2280713.0/35

In: 148.610 $\pm$ 0.037 χ^2 /NDF:1082287.1/19

Out: 142.339 $\pm$ 0.034 χ^2 /NDF:1228338.5/22

All: 145.251 $\pm$ 0.025 χ^2 /NDF: 2326363.4/42

yield_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: 140401.573 $\pm$ 0.064

χ^2/NDF : 88055814.0/16

Left: 140838.452 $\pm$ 0.081

χ^2/NDF : 405724911.6/6

Left Out: 140683.433 $\pm$ 0.111

χ^2/NDF : 260830243.0/3

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: 140542.301 $\pm$ 0.057

χ^2/NDF : 249519936.7/19

Out: 140442.856 $\pm$ 0.053

χ^2/NDF : 366733580.3/22

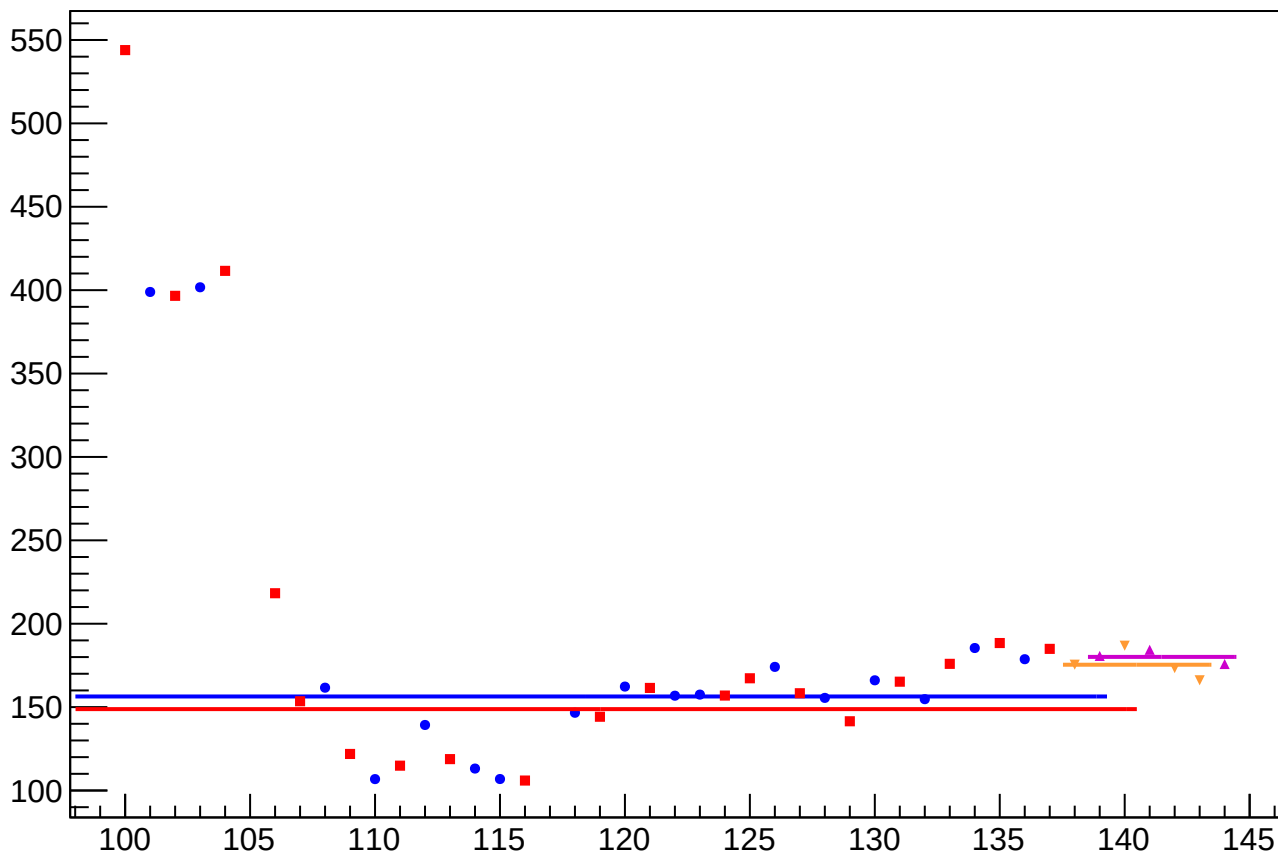
Left In: 141013.289 $\pm$ 0.118

χ^2/NDF : 140747921.2/2

All: 140489.075 $\pm$ 0.039

χ^2/NDF : 617907865.0/100

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 156.377 $\pm$ 0.046 χ^2 /NDF: 1154470.5/16

Left Out: 175.413 $\pm$ 0.079 χ^2 /NDF:9749.0/3

Right Out: 148.800 $\pm$ 0.042 χ^2 /NDF: 1304529.7/18

Left In: 180.108 $\pm$ 0.083 χ^2 /NDF:1882.1/2

Left: 177.620 $\pm$ 0.057 χ^2 /NDF: 13311.0/6

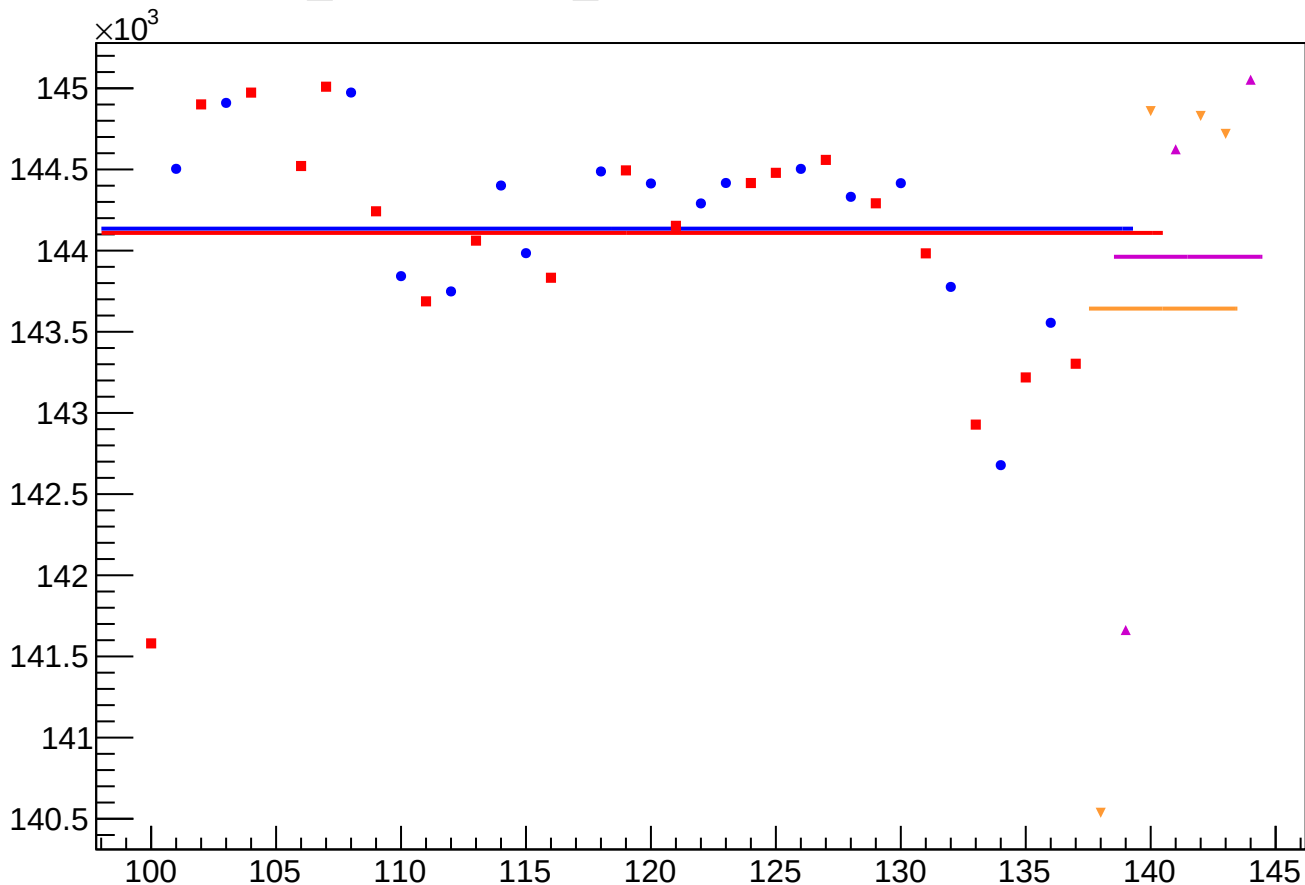
Right: 152.310 $\pm$ 0.031 χ^2 /NDF: 2473830.9/35

In: 161.836 $\pm$ 0.040 χ^2 /NDF:1218710.1/19

Out: 154.796 $\pm$ 0.037 χ^2 /NDF:1403274.9/22

All: 158.068 $\pm$ 0.027 χ^2 /NDF: 2638567.8/42

yield_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: 144135.363 $\pm$ 0.067

χ^2 /NDF: 47030717.0/16

Left: 143792.466 $\pm$ 0.080

χ^2 /NDF: 458187168.5/6

Left Out: 143642.885 $\pm$ 0.109

χ^2 /NDF: 300000775.6/3

Right: 144121.238 $\pm$ 0.045

χ^2 /NDF: 112346812.4/3

Right Out: 144109.137 $\pm$ 0.062

χ^2 /NDF: 65233259.1/18

In: 144092.396 $\pm$ 0.058

χ^2 /NDF: 202886338.6/19

Out: 143995.970 $\pm$ 0.054

χ^2 /NDF: 379006712.3/22

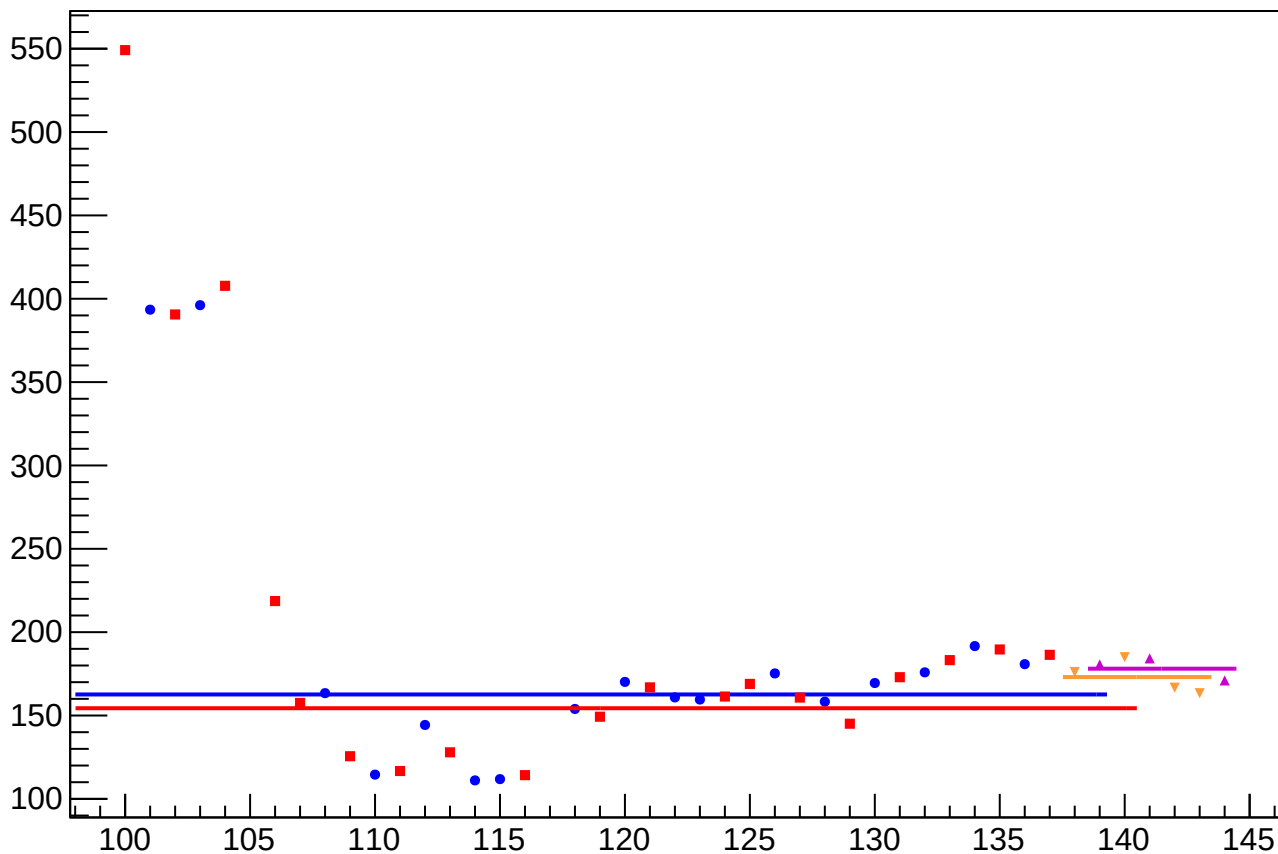
Left In: 143962.134 $\pm$ 0.116

χ^2 /NDF: 154191304.3/2

All: 144040.629 $\pm$ 0.039

χ^2 /NDF: 583377375

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 162.634 ± 0.047 χ^2/NDF : 1069524.2/16

Left Out: 173.071 ± 0.077 χ^2/NDF : 12417.4/3

Right Out: 154.377 ± 0.044 χ^2/NDF : 1214462.2/18

Left In: 178.090 ± 0.082 χ^2/NDF : 4985.9/2

Left: 175.423 ± 0.056 χ^2/NDF : 19377.8/6

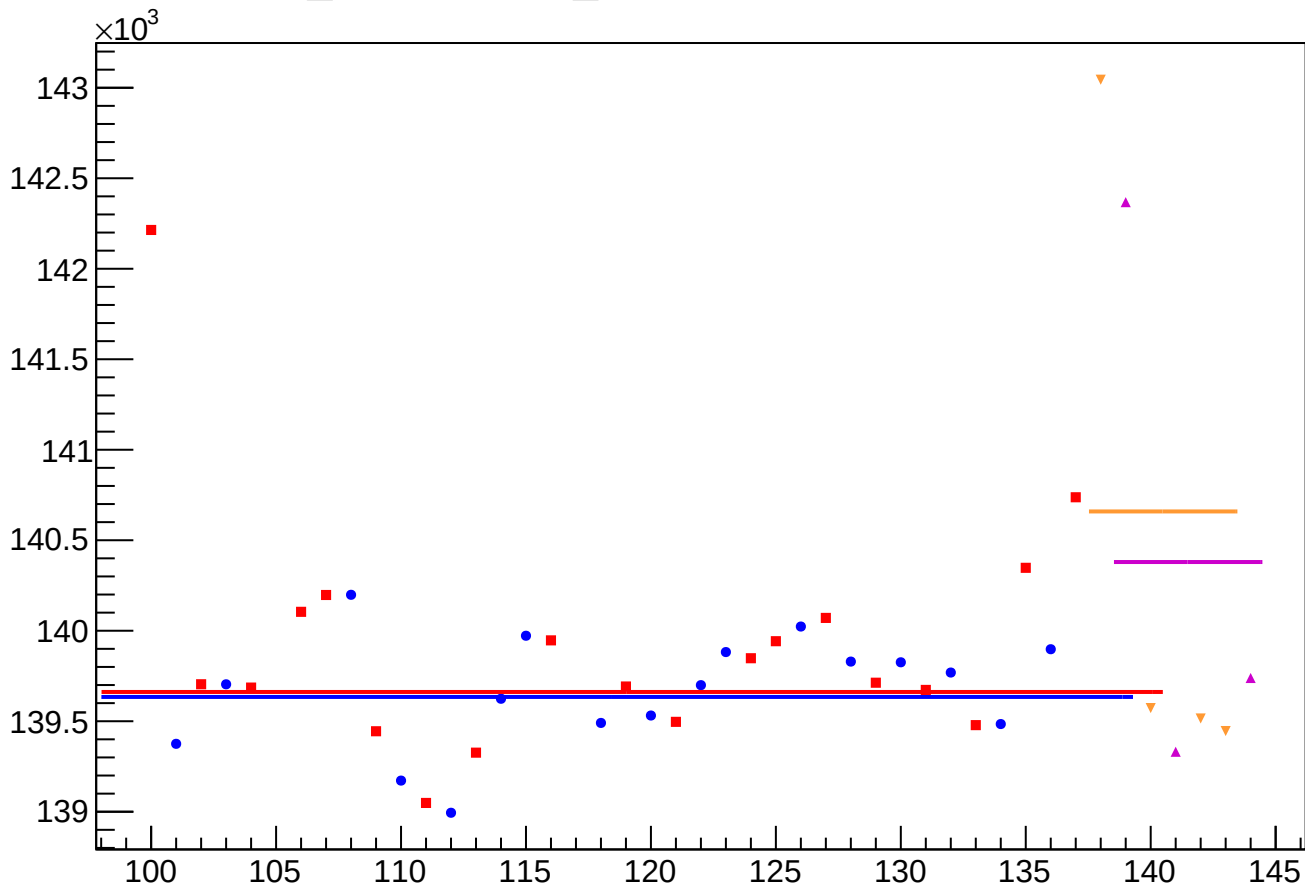
Right: 158.187 ± 0.032 χ^2/NDF : 2300407.0/35

In: 166.468 ± 0.041 χ^2/NDF : 1101008.4/19

Out: 158.915 ± 0.038 χ^2/NDF : 1271160.3/22

All: 162.413 ± 0.028 χ^2/NDF : 2390382.6/42

yield_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: 139634.248 $\pm$ 0.068

χ^2 /NDF: 24816599.6/16

Left: 140526.914 $\pm$ 0.089 χ^2 /NDF: 282483658.4/6

Right: 139648.993 $\pm$ 0.046 χ^2 /NDF: 63258749.7/35

Left Out: 140659.110 $\pm$ 0.123

χ^2 /NDF: 179722627.8/3

In: 139793.988 $\pm$ 0.060 χ^2 /NDF: 150954369.5/19

Right Out: 139661.708 $\pm$ 0.063

χ^2 /NDF: 38354381.9/18

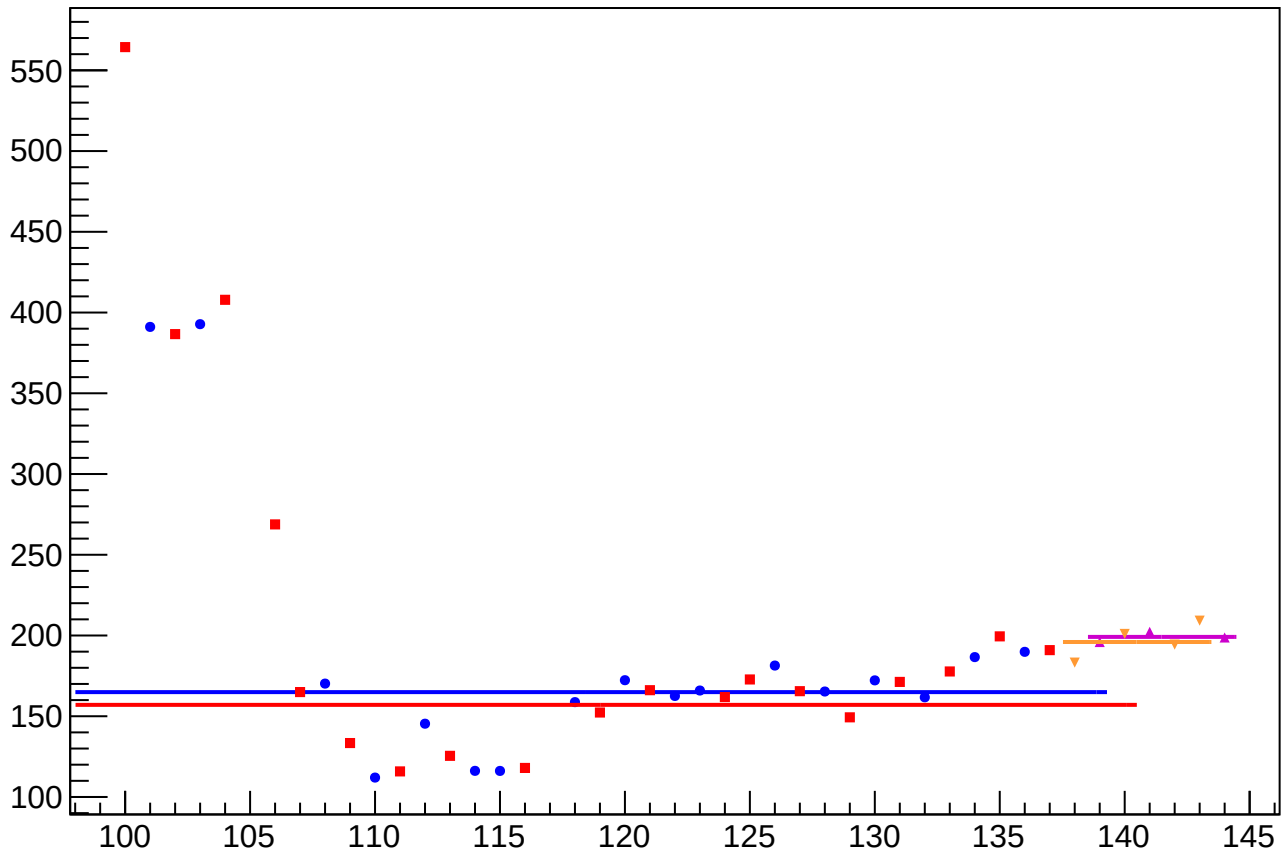
Out: 139868.798 $\pm$ 0.056 χ^2 /NDF: 269995397.8/22

Left In: 140379.645 $\pm$ 0.130

χ^2 /NDF: 100327716.3/2

All: 139834.000 $\pm$ 0.041 χ^2 /NDF: 421775575

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 164.938+/-0.048 χ^2/NDF : 1064403.1/16

Left Out: 195.979+/-0.087 χ^2/NDF :13148.7/3

Right Out: 157.047+/-0.045 χ^2/NDF : 1242666.6/18

Left In: 199.139+/-0.092 χ^2/NDF :758.1/2

Left: 197.474+/-0.063 χ^2/NDF : 14529.1/6

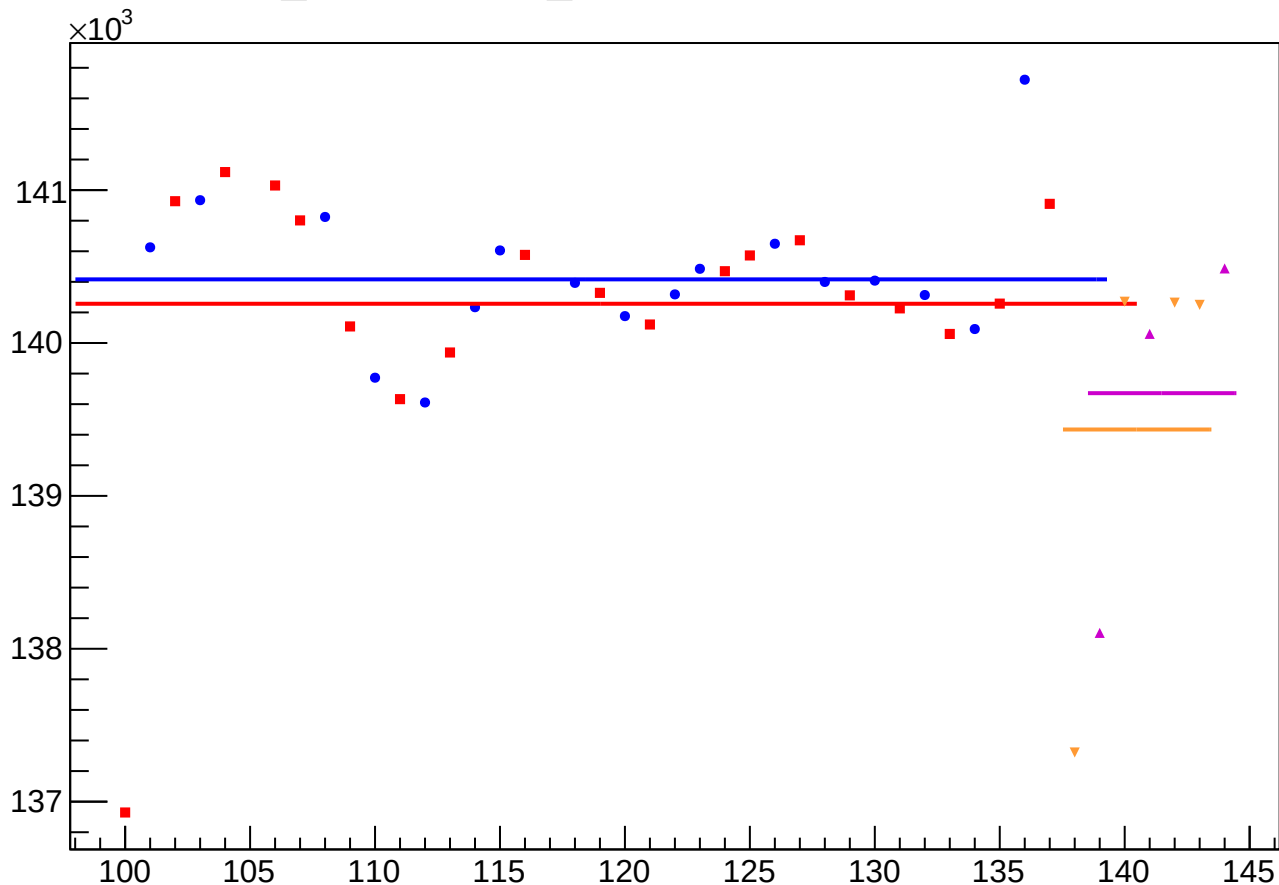
Right: 160.701+/-0.033 χ^2/NDF : 2321561.9/35

In: 172.267+/-0.043 χ^2/NDF :1173835.9/19

Out: 165.131+/-0.040 χ^2/NDF :1414019.1/22

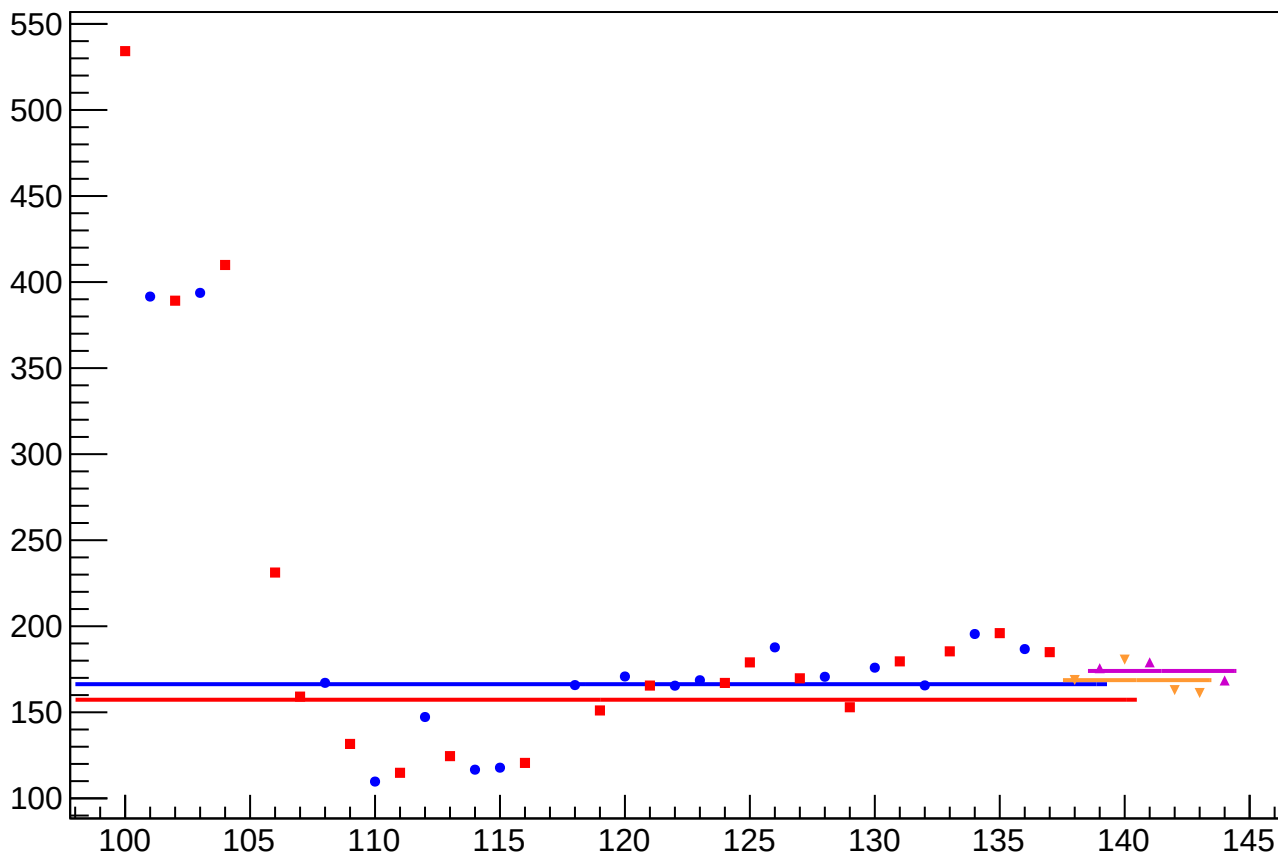
All: 168.450+/-0.029 χ^2/NDF : 2602884.3/42

yield_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 140416.183 $\pm$ 0.069	χ^2/NDF : 69956735.1/16	Left: 139545.047 $\pm$ 0.078	χ^2/NDF : 234394299.9/6
Left Out: 139434.190 $\pm$ 0.106	χ^2/NDF : 154614246.8/3	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: 140217.759 $\pm$ 0.059	χ^2/NDF : 178877073.3/19
Left In: 139671.823 $\pm$ 0.114	χ^2/NDF : 77446778.5/2	Out: 140041.832 $\pm$ 0.054	χ^2/NDF : 236916228.0/22
		All: 140123.006 $\pm$ 0.040	χ^2/NDF : 420636493

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 166.338 $\pm$ 0.048 χ^2 /NDF: 1081005.6/16

Left Out: 168.689 $\pm$ 0.075 χ^2 /NDF:10409.5/3

Right Out: 157.302 $\pm$ 0.045 χ^2 /NDF: 1226210.5/18

Left In: 174.025 $\pm$ 0.080 χ^2 /NDF:3233.1/2

Left: 171.178 $\pm$ 0.055 χ^2 /NDF: 15996.0/6

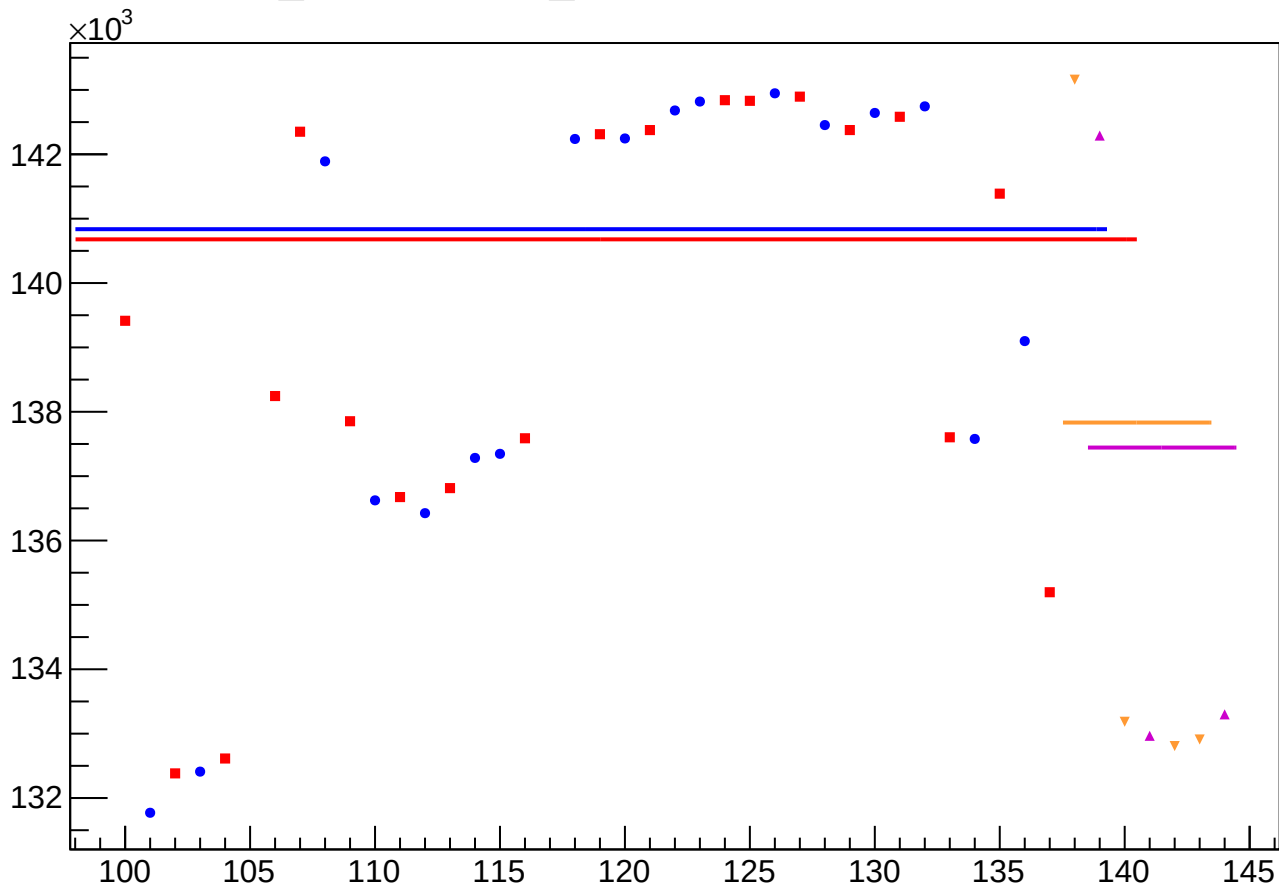
Right: 161.455 $\pm$ 0.033 χ^2 /NDF: 2326018.0/35

In: 168.387 $\pm$ 0.041 χ^2 /NDF:1090952.8/19

Out: 160.276 $\pm$ 0.038 χ^2 /NDF:1253588.1/22

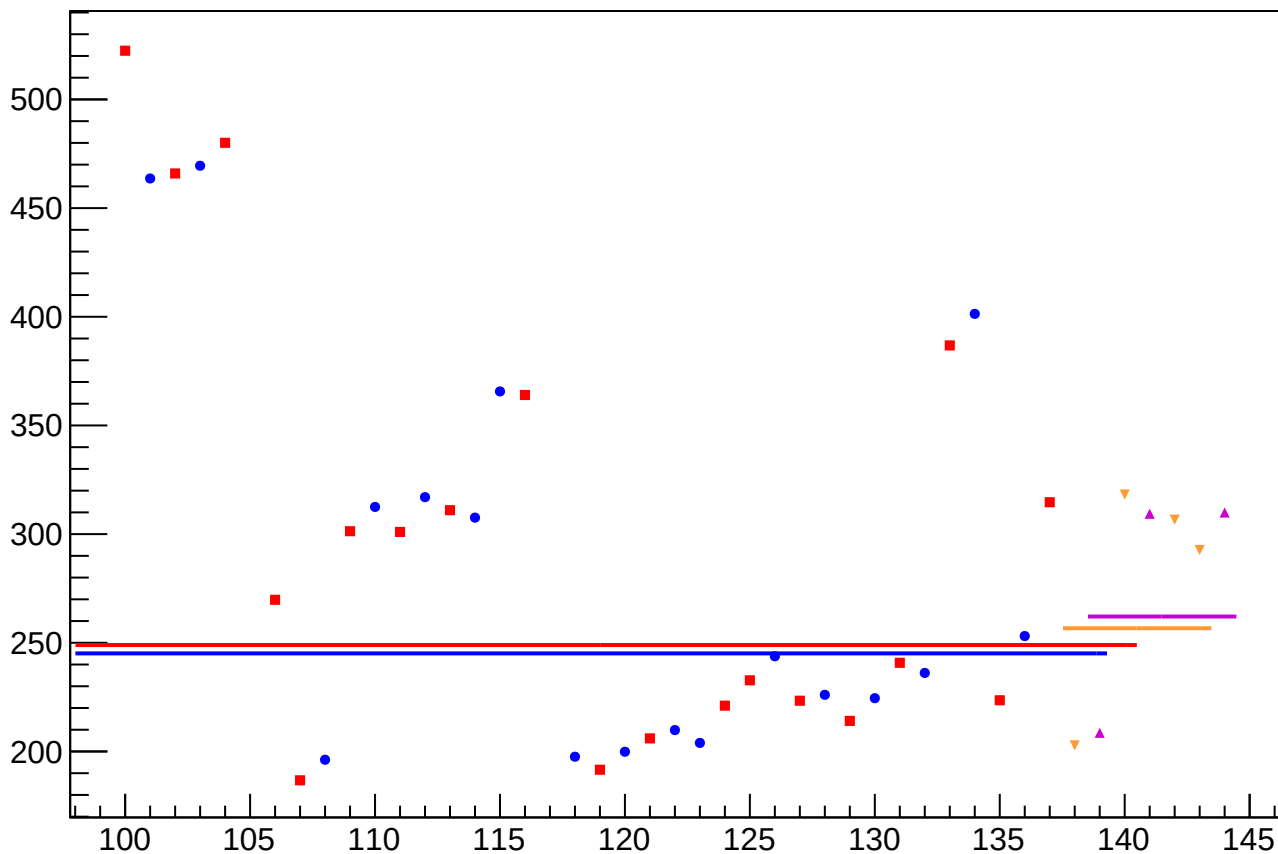
All: 164.018 $\pm$ 0.028 χ^2 /NDF: 2365129.6/42

yield_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: 140836.633 $\pm$ 0.100	χ^2/NDF : 821253018.3/16	Left: 137649.086 $\pm$ 0.121	χ^2/NDF : 1595902970.8/6
Left Out: 137832.904 $\pm$ 0.167	χ^2/NDF : 922607741.0/3	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: 140010.261 $\pm$ 0.087	χ^2/NDF : 1771357366.4/19
Left In: 137444.250 $\pm$ 0.177	χ^2/NDF : 670740312.3/2	Out: 139938.844 $\pm$ 0.085	χ^2/NDF : 1977786785.2/2
		All: 139973.782 $\pm$ 0.061	χ^2/NDF : 374948737

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 245.117 $\pm$ 0.071 χ^2/NDF : 868050.1/16

Left Out: 256.687 $\pm$ 0.118 χ^2/NDF :193428.8/3

Right Out: 248.984 $\pm$ 0.070 χ^2/NDF : 1011335.0/18

Left In: 262.089 $\pm$ 0.125 χ^2/NDF :163331.3/2

Left: 259.242 $\pm$ 0.086 χ^2/NDF : 357747.2/6

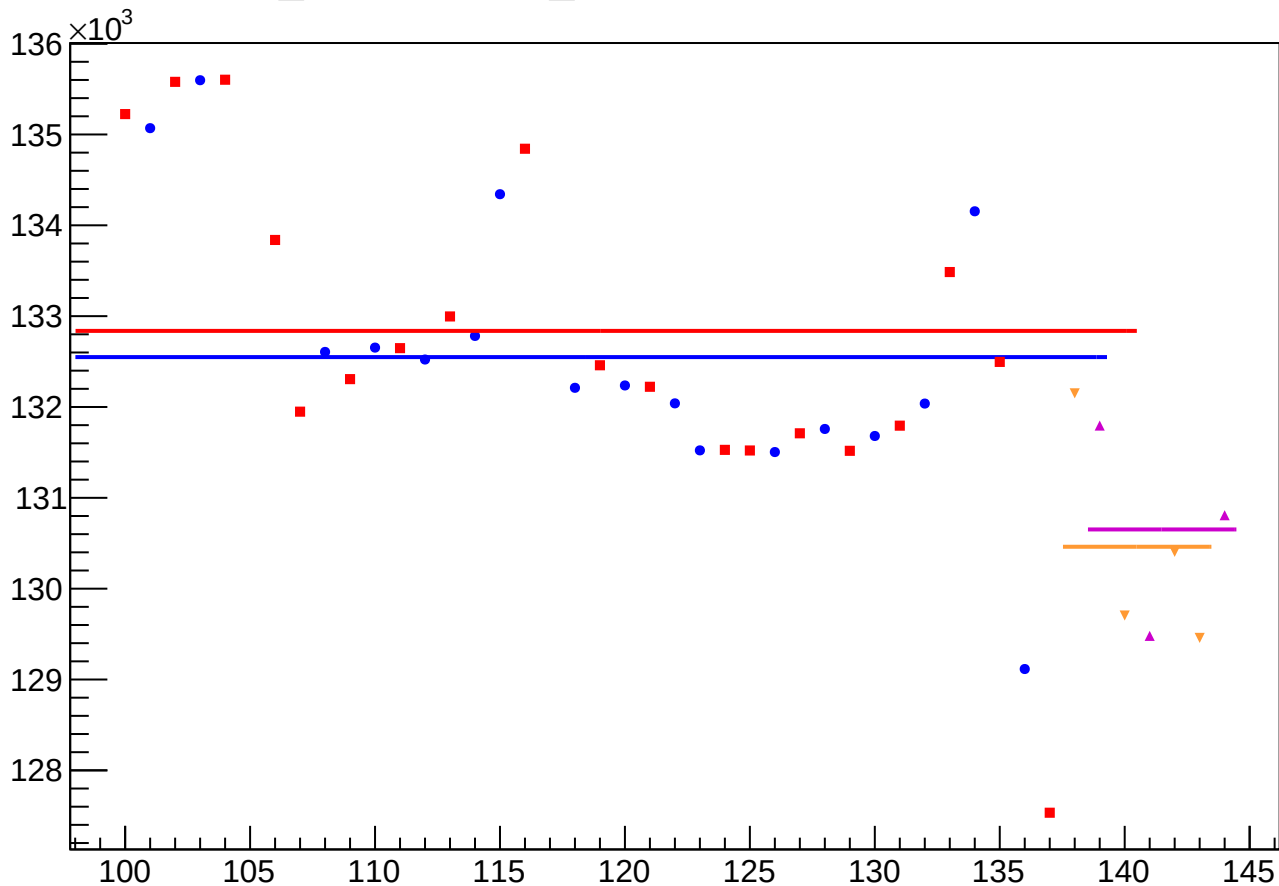
Right: 247.071 $\pm$ 0.050 χ^2/NDF : 1880891.1/35

In: 249.251 $\pm$ 0.062 χ^2/NDF :1045366.1/19

Out: 250.986 $\pm$ 0.060 χ^2/NDF :1207904.5/22

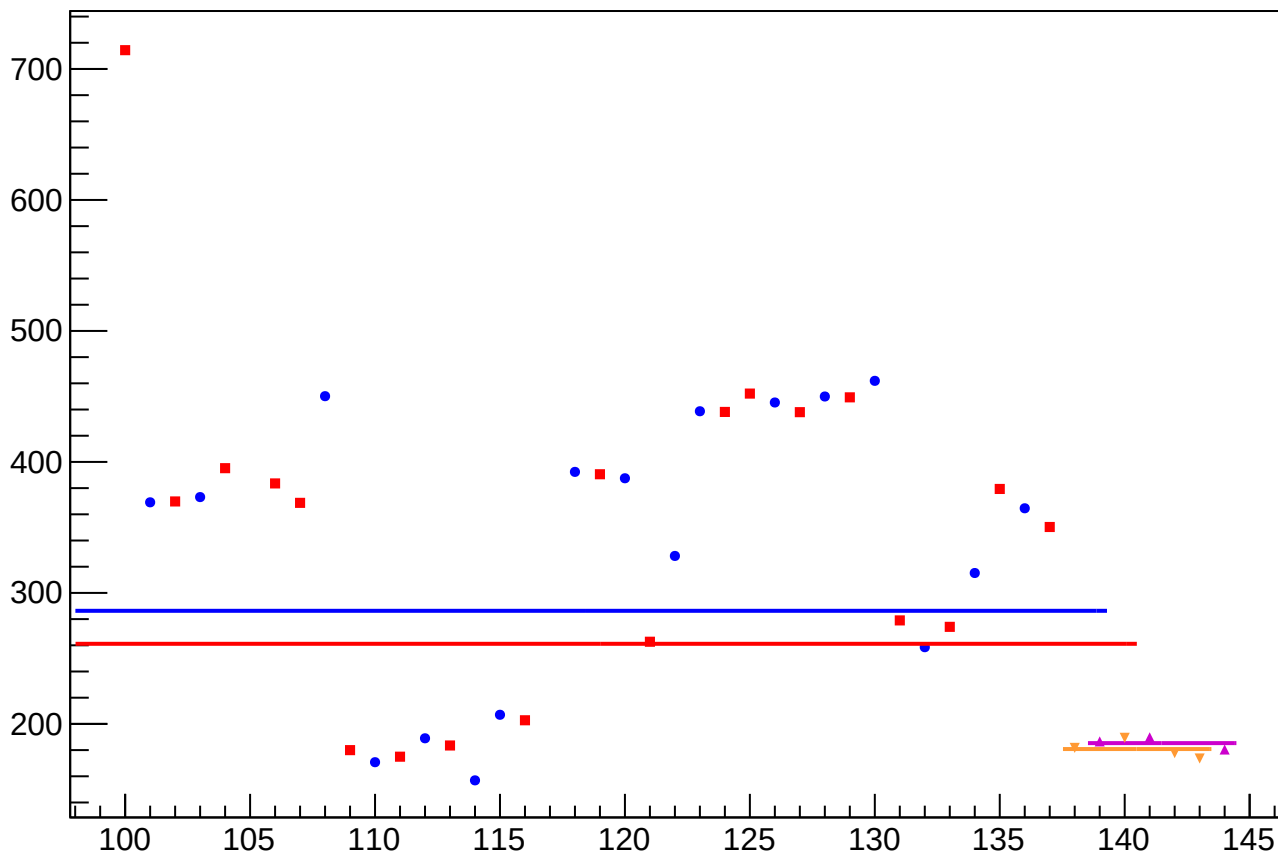
All: 250.137 $\pm$ 0.043 χ^2/NDF : 2253675.9/42

yield_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: 132549.335 $\pm$ 0.120	χ^2 /NDF: 161038742.0/16	Left: 130551.416 $\pm$ 0.084	χ^2 /NDF: 152153763.1/6
Left Out: 130461.437 $\pm$ 0.115	χ^2 /NDF: 94173744.1/3	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: 131618.326 $\pm$ 0.085	χ^2 /NDF: 341133065.4/19
Left In: 130651.970 $\pm$ 0.122	χ^2 /NDF: 56690549.8/2	Out: 131737.353 $\pm$ 0.078	χ^2 /NDF: 471890484.2/22
		All: 131682.858 $\pm$ 0.058	χ^2 /NDF: 814077118

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 286.338 $\pm$ 0.085 χ^2 /NDF: 1514049.7/16

Left Out: 180.804 $\pm$ 0.082 χ^2 /NDF:5382.4/3

Right Out: 261.146 $\pm$ 0.076 χ^2 /NDF: 1614381.3/18

Left In: 185.328 $\pm$ 0.086 χ^2 /NDF:2162.2/2

Left: 182.940 $\pm$ 0.059 χ^2 /NDF: 8998.7/6

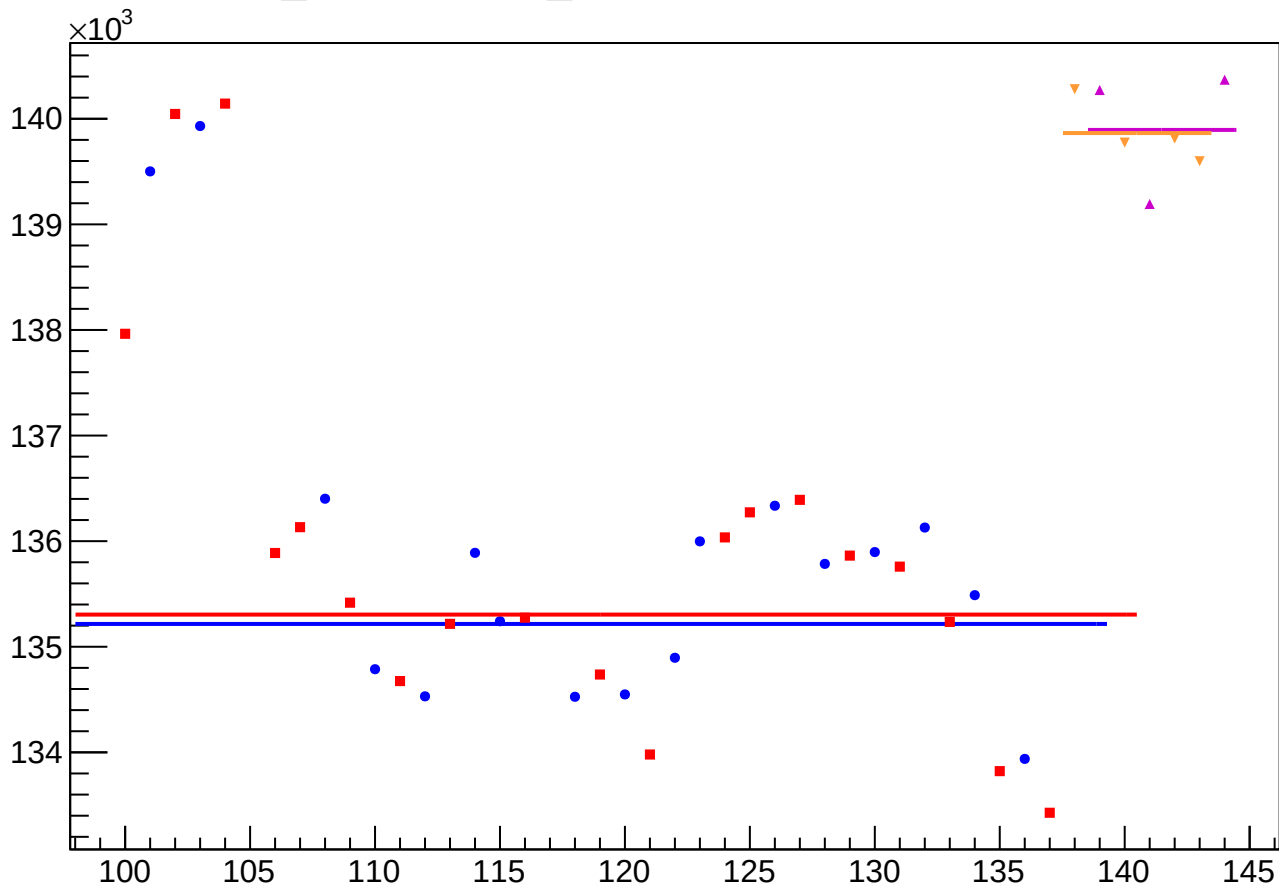
Right: 272.350 $\pm$ 0.056 χ^2 /NDF: 3177662.4/35

In: 236.774 $\pm$ 0.060 χ^2 /NDF:2215704.2/19

Out: 223.943 $\pm$ 0.055 χ^2 /NDF:2141134.3/22

All: 229.817 $\pm$ 0.041 χ^2 /NDF: 4381324.6/42

yield_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 135216.054 $\pm$ 0.054

χ^2/NDF : 371419425.6/16

Left Out: 139864.781 $\pm$ 0.106

χ^2/NDF : 6207414.6/3

Right Out: 135304.602 $\pm$ 0.051

χ^2/NDF : 357443836.5/18

Left In: 139894.455 $\pm$ 0.116

χ^2/NDF : 22657503.6/2

Left: 139878.250 $\pm$ 0.078

χ^2/NDF : 28900710.3/6

Right: 135263.073 $\pm$ 0.037

χ^2/NDF : 730268475.9/3

In: 136061.349 $\pm$ 0.049

χ^2/NDF : 1728833804.9/19

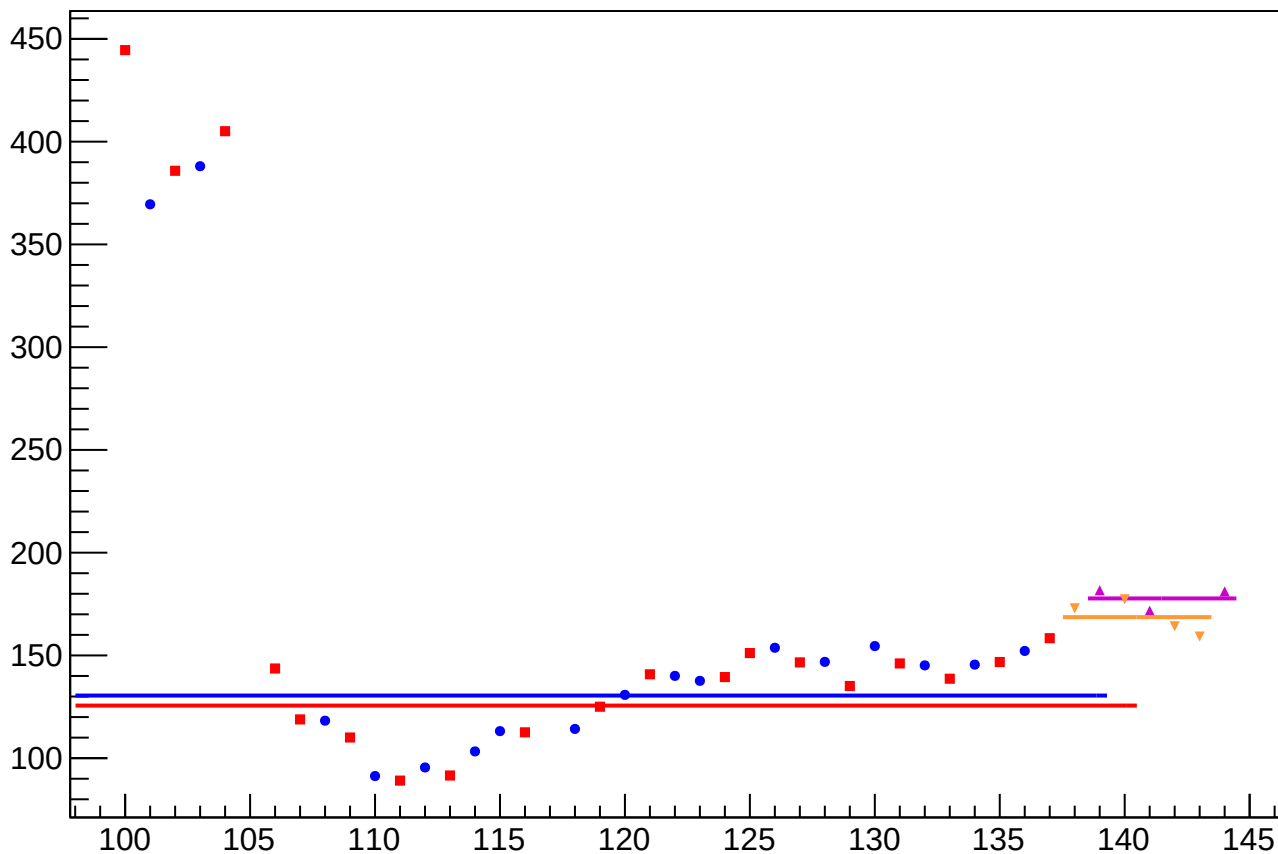
Out: 136170.359 $\pm$ 0.046

χ^2/NDF : 1872279485.7/2

All: 136119.538 $\pm$ 0.034

χ^2/NDF : 360372636.5/10

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 130.478 $\pm$ 0.038 χ^2 /NDF: 1372969.9/16

Left Out: 168.639 $\pm$ 0.075 χ^2 /NDF: 9783.1/3

Right Out: 125.594 $\pm$ 0.036 χ^2 /NDF: 1434855.8/18

Left In: 177.732 $\pm$ 0.082 χ^2 /NDF: 3272.5/2

Left: 172.766 $\pm$ 0.055 χ^2 /NDF: 19776.5/6

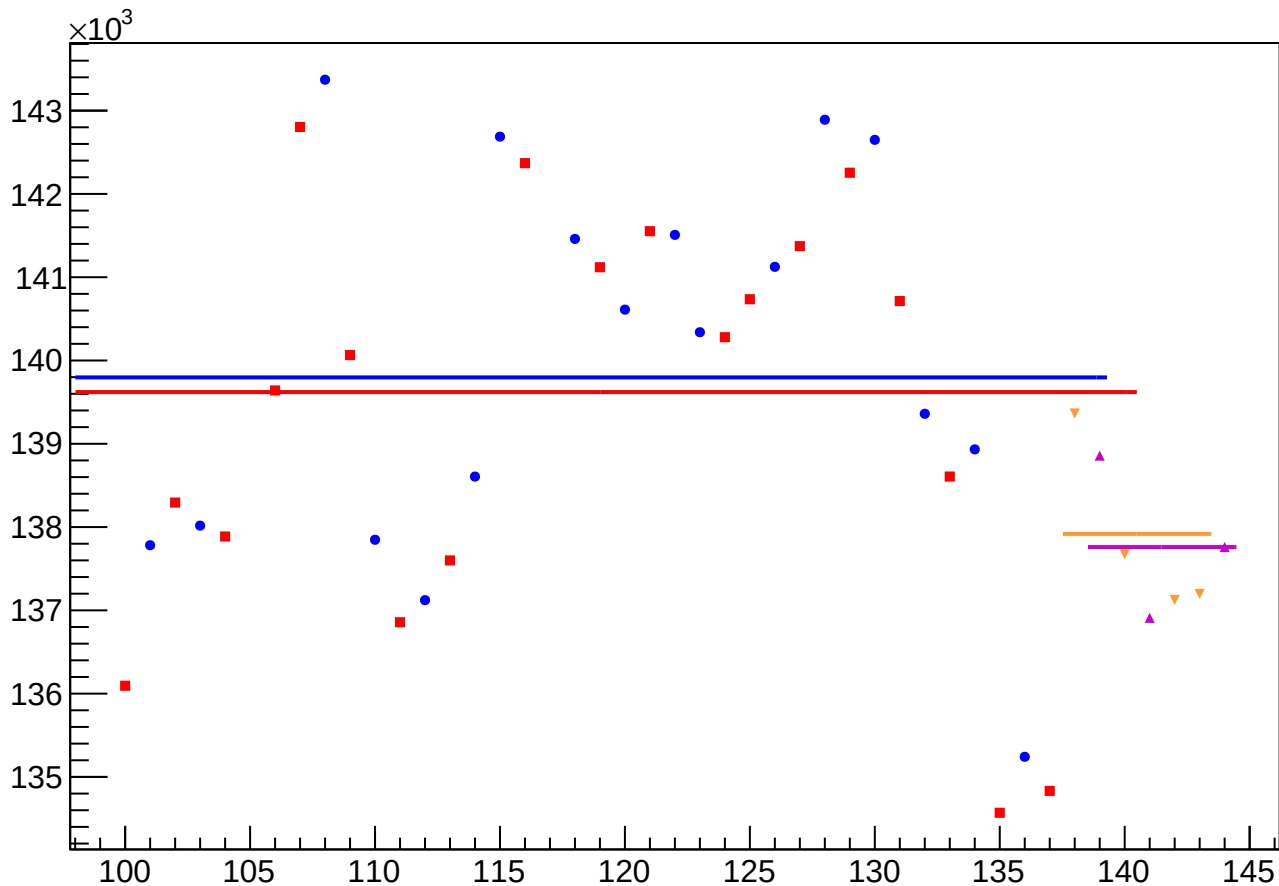
Right: 127.885 $\pm$ 0.026 χ^2 /NDF: 2816373.3/35

In: 139.015 $\pm$ 0.035 χ^2 /NDF: 1648583.1/19

Out: 133.766 $\pm$ 0.033 χ^2 /NDF: 1713473.7/22

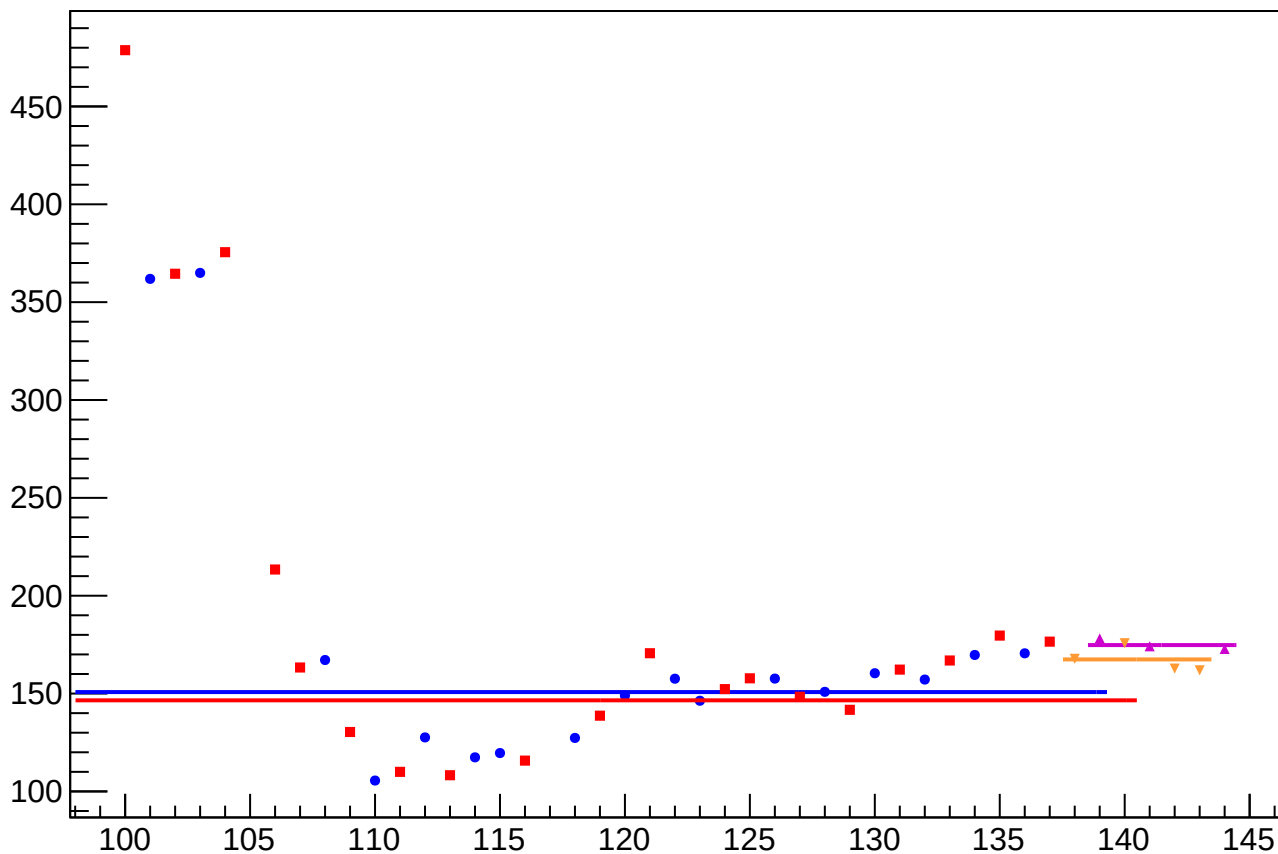
All: 136.214 $\pm$ 0.024 χ^2 /NDF: 3374174.4/42

yield_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 139796.979 $\pm$ 0.062	χ^2 /NDF: 1668151198.8/16	Left: 137845.382 $\pm$ 0.077	χ^2 /NDF: 123356155.8/6
Left Out: 137918.089 $\pm$ 0.105	χ^2 /NDF: 76835246.5/3	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: 139331.560 $\pm$ 0.055	χ^2 /NDF: 1959806193.7/19
Left In: 137760.057 $\pm$ 0.114	χ^2 /NDF: 45483937.6/2	Out: 139213.459 $\pm$ 0.052	χ^2 /NDF: 1780457588.3/2
		All: 139269.166 $\pm$ 0.037	χ^2 /NDF: 374274389.0/1

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 150.766 $\pm$ 0.044 χ^2/NDF : 1050110.5/16

Left Out: 167.448 $\pm$ 0.074 χ^2/NDF :5606.7/3

Right Out: 146.546 $\pm$ 0.042 χ^2/NDF : 1200776.5/18

Left In: 174.777 $\pm$ 0.081 χ^2/NDF :729.9/2

Left: 170.820 $\pm$ 0.055 χ^2/NDF : 10796.6/6

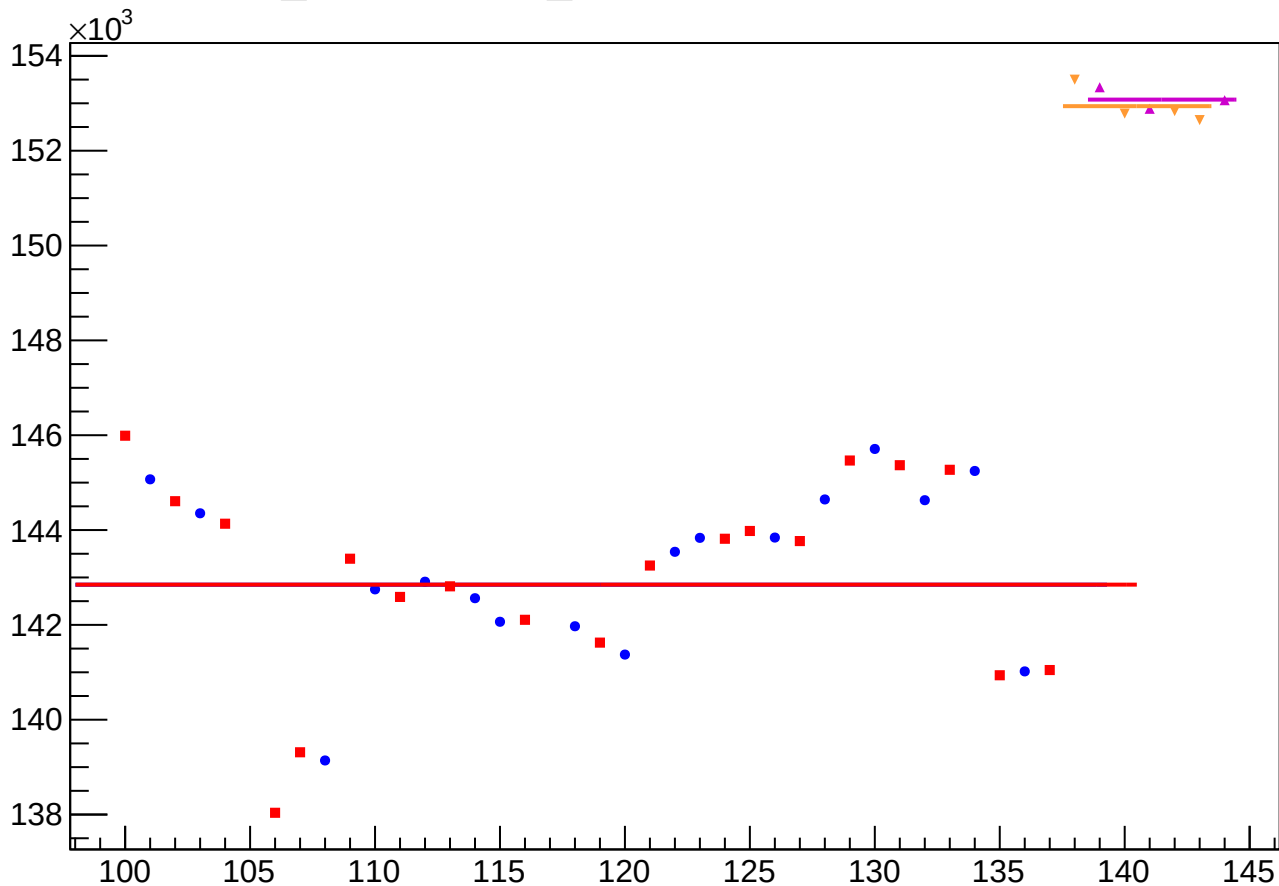
Right: 148.551 $\pm$ 0.030 χ^2/NDF : 2255741.1/35

In: 156.252 $\pm$ 0.039 χ^2/NDF :1119251.1/19

Out: 151.550 $\pm$ 0.036 χ^2/NDF :1266365.1/22

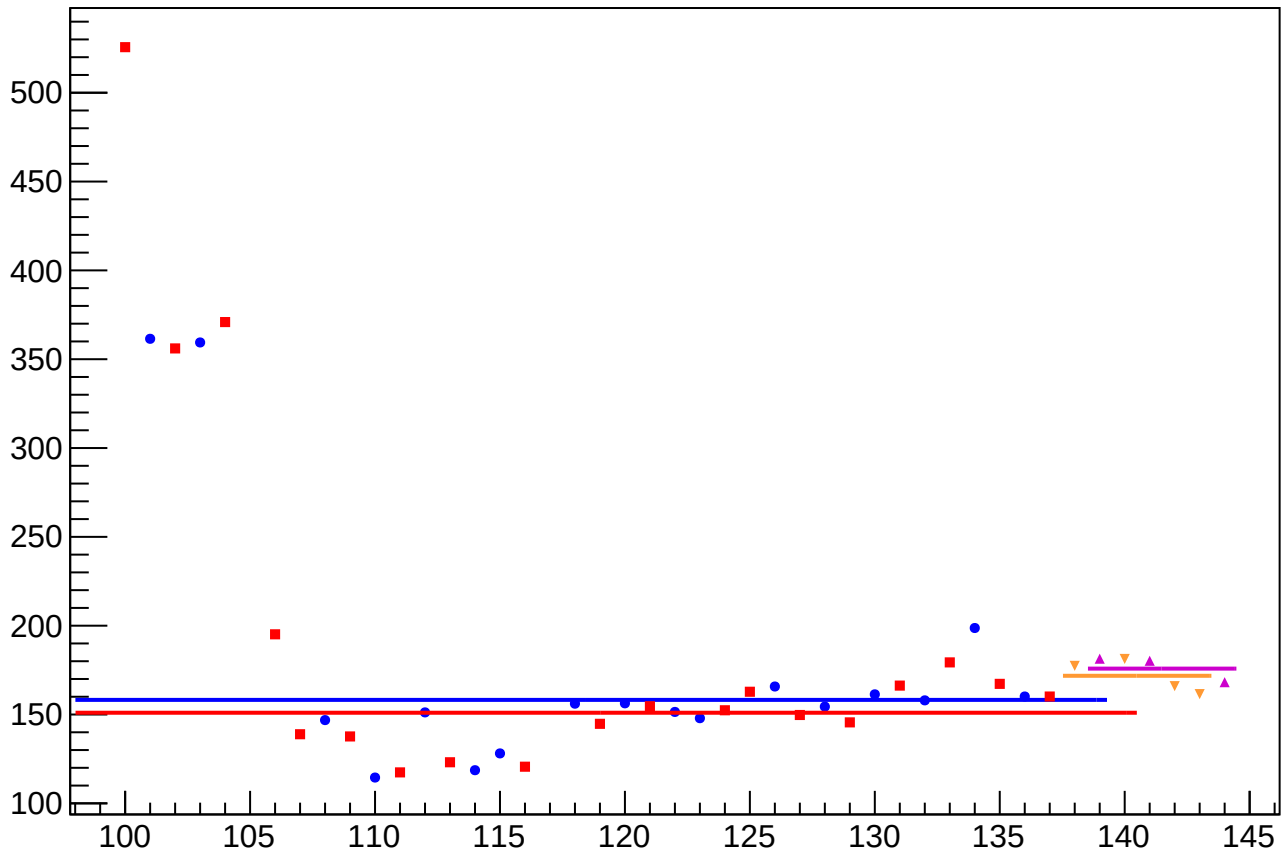
All: 153.768 $\pm$ 0.026 χ^2/NDF : 2393480.0/42

yield_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 142846.769 $\pm$ 0.065	χ^2 /NDF: 735751313.8/16	Left: 153004.767 $\pm$ 0.079	χ^2 /NDF: 12953191.1/6
Left Out: 152939.557 $\pm$ 0.108	χ^2 /NDF: 9831975.4/3	Right: 142847.777 $\pm$ 0.044	χ^2 /NDF: 1585493619.2/2
Right Out: 142848.653 $\pm$ 0.060	χ^2 /NDF: 849741852.9/18	In: 145318.648 $\pm$ 0.056	χ^2 /NDF: 6763800776.2/19
Left In: 153077.870 $\pm$ 0.115	χ^2 /NDF: 2353734.4/2	Out: 145239.900 $\pm$ 0.053	χ^2 /NDF: 7470949277.7/2
		All: 145276.647 $\pm$ 0.039	χ^2 /NDF: 142357892.1/1

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 158.235 $\pm$ 0.046 χ^2 /NDF: 883619.5/16

Left Out: 171.801 $\pm$ 0.077 χ^2 /NDF:11829.8/3

Right Out: 150.999 $\pm$ 0.043 χ^2 /NDF: 1000583.6/18

Left In: 175.838 $\pm$ 0.081 χ^2 /NDF:5754.4/2

Left: 173.704 $\pm$ 0.056 χ^2 /NDF: 18892.1/6

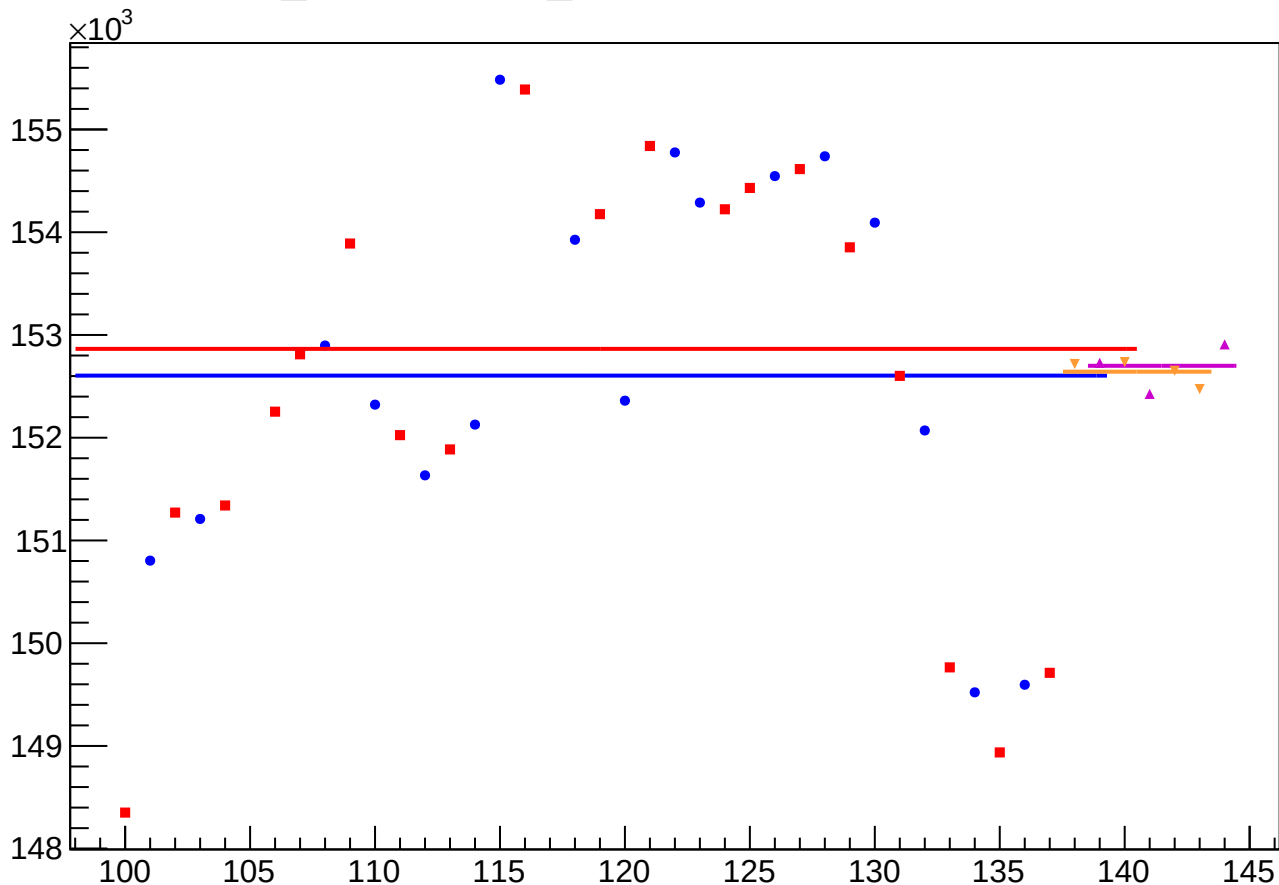
Right: 154.365 $\pm$ 0.031 χ^2 /NDF: 1897545.9/35

In: 162.488 $\pm$ 0.040 χ^2 /NDF:925051.0/19

Out: 155.929 $\pm$ 0.037 χ^2 /NDF:1068601.2/22

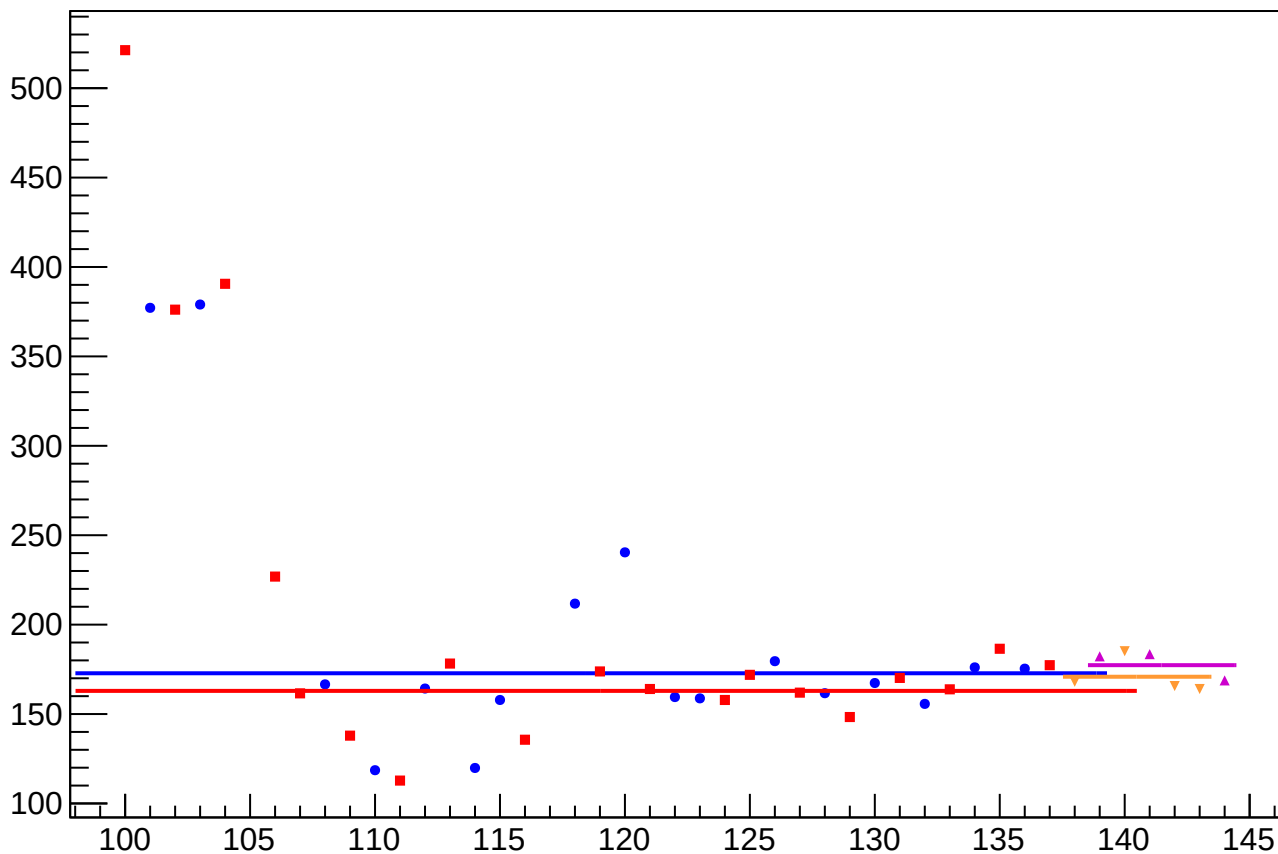
All: 158.989 $\pm$ 0.027 χ^2 /NDF: 2008069.7/42

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152604.406 $\pm$ 0.072	χ^2/NDF : 616818062.6/16	Left: 152669.174 $\pm$ 0.079	χ^2/NDF : 4325939.5/6
Left Out: 152642.642 $\pm$ 0.107	χ^2/NDF : 1029316.1/3	Right: 152745.876 $\pm$ 0.049	χ^2/NDF : 1342324437.7/1
Right Out: 152864.722 $\pm$ 0.066	χ^2/NDF : 718455566.6/18	In: 152631.242 $\pm$ 0.061	χ^2/NDF : 620473689.4/19
Left In: 152699.923 $\pm$ 0.116	χ^2/NDF : 3164856.2/2	Out: 152803.520 $\pm$ 0.056	χ^2/NDF : 722582503.3/22
		All: 152724.549 $\pm$ 0.041	χ^2/NDF : 134733637.7/1

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.803+/-0.051 χ^2/NDF : 945652.6/16

Left Out: 170.861+/-0.076 χ^2/NDF :12536.4/3

Right Out: 162.951+/-0.047 χ^2/NDF : 1032146.9/18

Left In: 177.335+/-0.082 χ^2/NDF :7185.5/2

Left: 173.860+/-0.056 χ^2/NDF : 23087.6/6

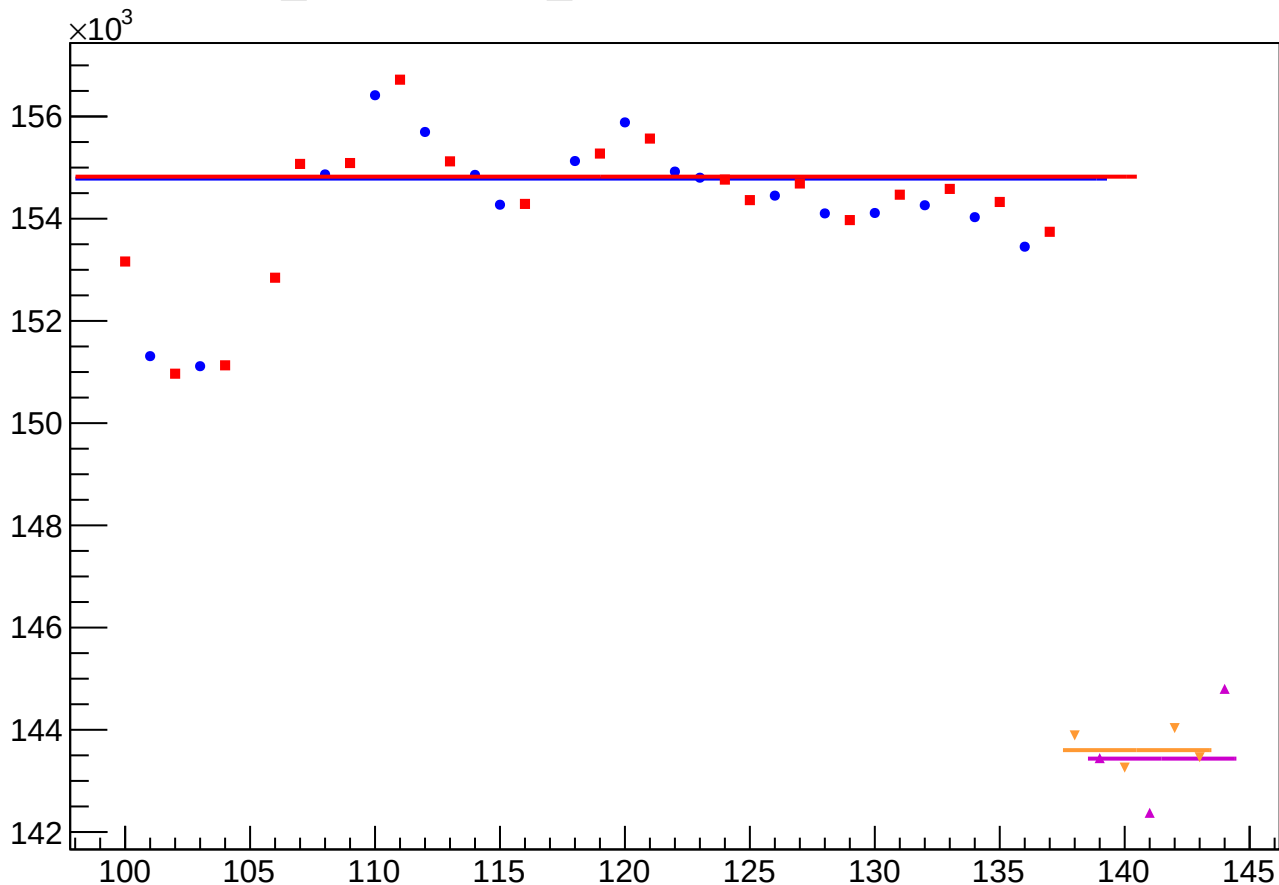
Right: 167.449+/-0.035 χ^2/NDF : 1997996.2/35

In: 174.076+/-0.043 χ^2/NDF :955047.7/19

Out: 165.131+/-0.040 χ^2/NDF :1052543.0/22

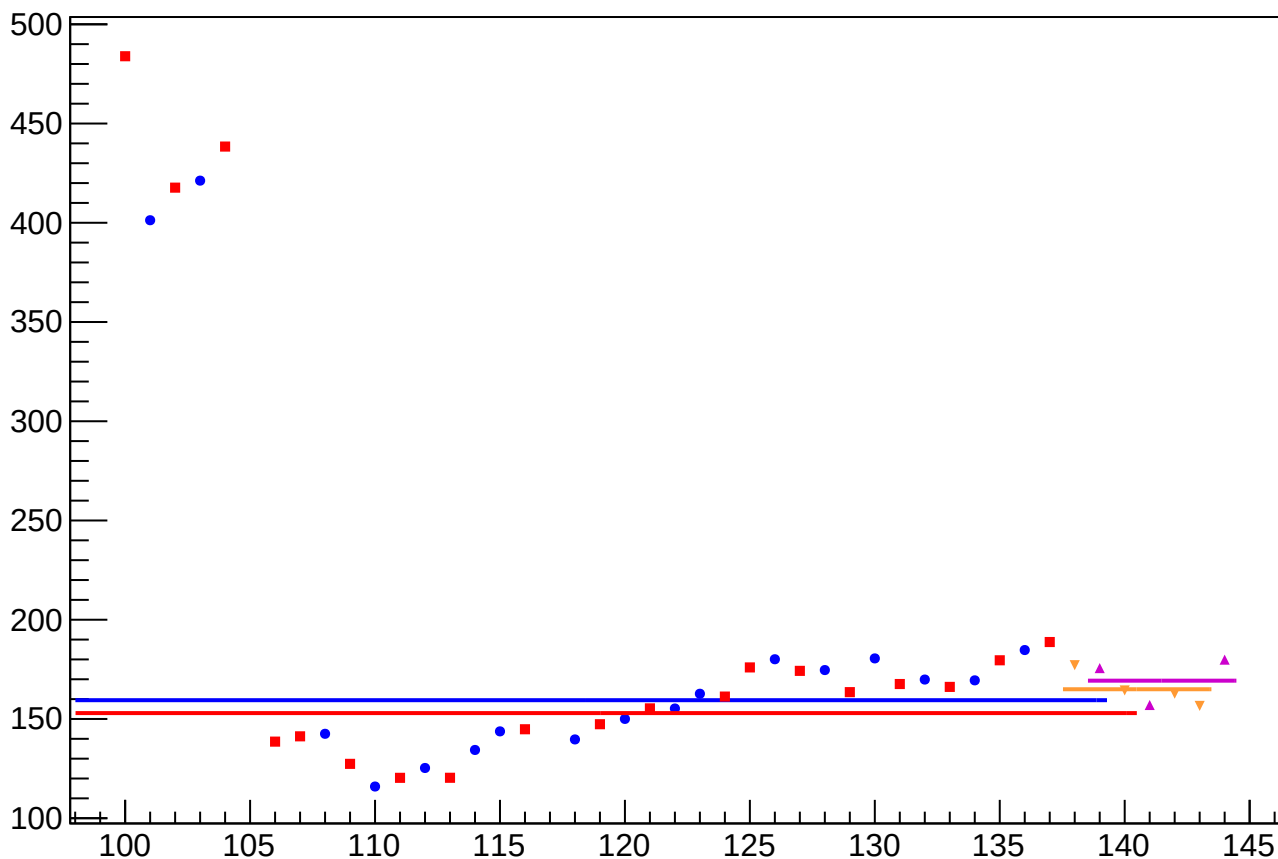
All: 169.232+/-0.029 χ^2/NDF : 2030668.4/42

yield_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 154784.970 $\pm$ 0.065	χ^2 /NDF: 265445259.7/16	Left: 143524.658 $\pm$ 0.075	χ^2 /NDF: 96942972.4/6
Left Out: 143602.087 $\pm$ 0.103	χ^2 /NDF: 8696042.1/3	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: 151830.511 $\pm$ 0.056	χ^2 /NDF: 8174227342.2/19
Left In: 143436.032 $\pm$ 0.110	χ^2 /NDF: 87038640.8/2	Out: 151922.435 $\pm$ 0.052	χ^2 /NDF: 9075849717.6/2
		All: 151879.737 $\pm$ 0.038	χ^2 /NDF: 17251504.1

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 159.460 $\pm$ 0.046 χ^2 /NDF: 1131650.0/16

Left Out: 164.973 $\pm$ 0.073 χ^2 /NDF:10684.2/3

Right Out: 152.961 $\pm$ 0.043 χ^2 /NDF: 1169783.0/18

Left In: 169.297 $\pm$ 0.078 χ^2 /NDF:17842.6/2

Left: 166.989 $\pm$ 0.053 χ^2 /NDF: 30165.0/6

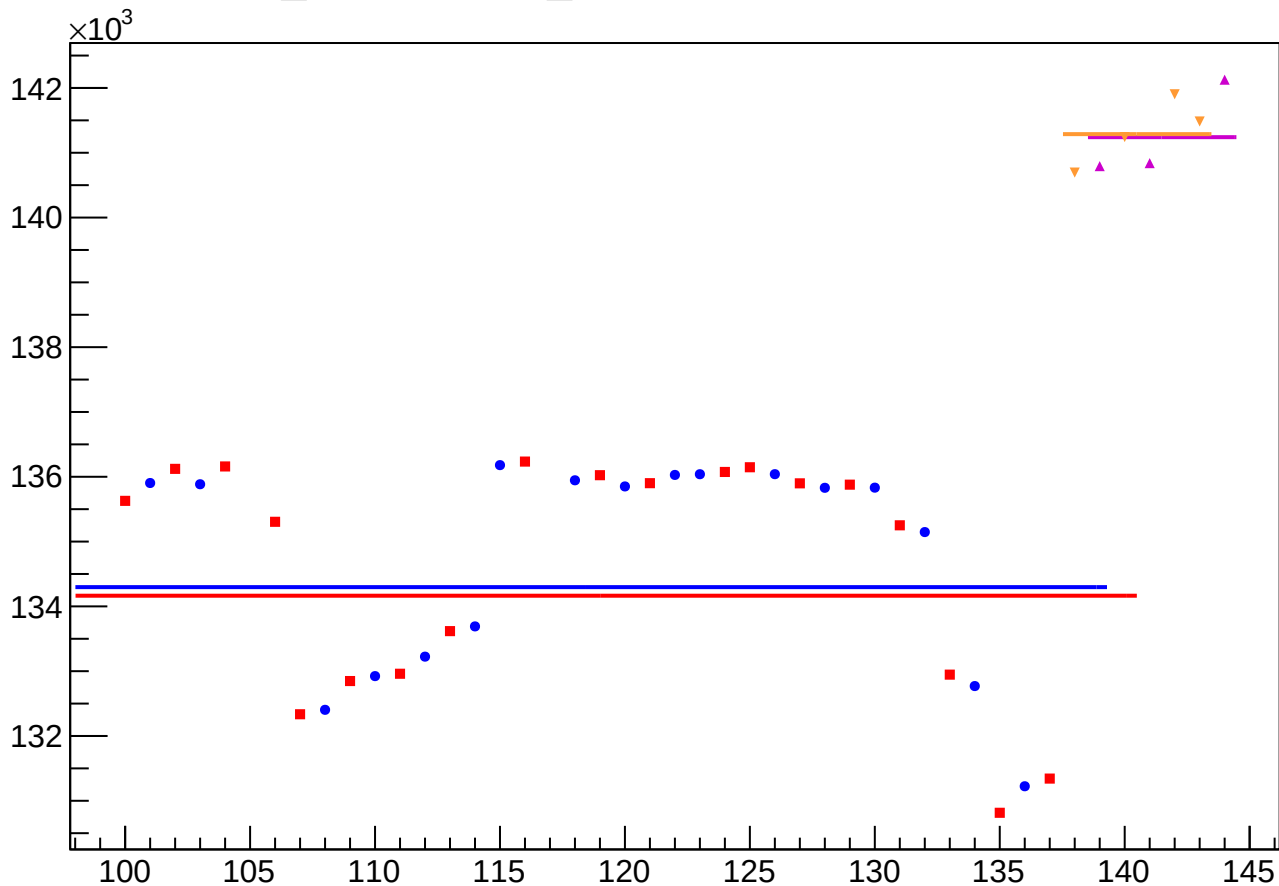
Right: 155.976 $\pm$ 0.032 χ^2 /NDF: 2311995.9/35

In: 162.021 $\pm$ 0.040 χ^2 /NDF:1161245.6/19

Out: 156.066 $\pm$ 0.037 χ^2 /NDF:1200576.7/22

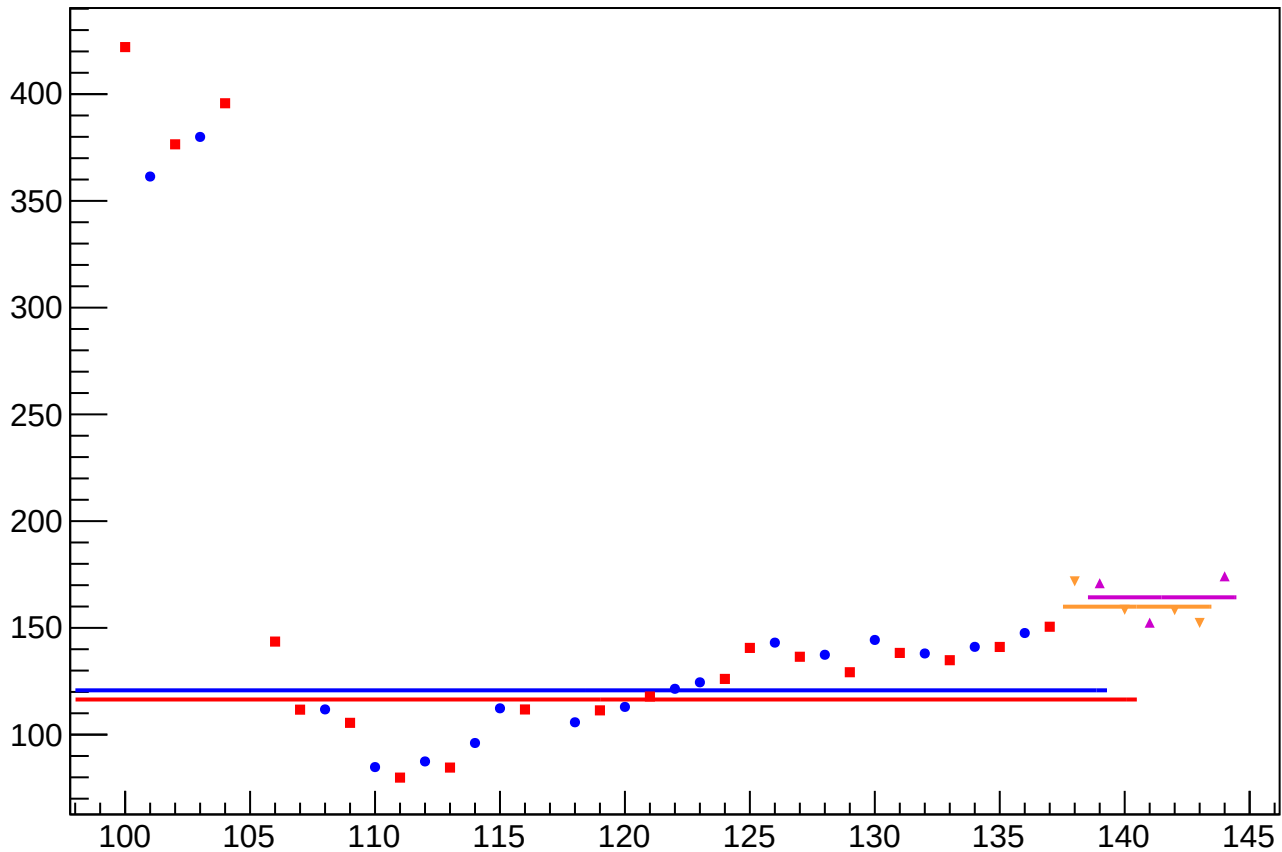
All: 158.832 $\pm$ 0.027 χ^2 /NDF: 2373799.1/42

yield_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 134297.022 $\pm$ 0.050	χ^2 /NDF: 1147567257.7/16	Left: 141265.706 $\pm$ 0.073	χ^2 /NDF: 48515277.4/6
Left Out: 141287.482 $\pm$ 0.100	χ^2 /NDF: 16036004.1/3	Right: 134226.757 $\pm$ 0.035	χ^2 /NDF: 2361744877.8/1
Right Out: 134164.594 $\pm$ 0.047	χ^2 /NDF: 1210514088.0/18	In: 135554.424 $\pm$ 0.046	χ^2 /NDF: 4617479401.8/19
Left In: 141240.729 $\pm$ 0.107	χ^2 /NDF: 32377604.8/2	Out: 135469.972 $\pm$ 0.043	χ^2 /NDF: 5364467621.8/2
		All: 135509.558 $\pm$ 0.031	χ^2 /NDF: 998376869

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 120.752 $\pm$ 0.036 χ^2 /NDF: 1465247.5/16

Left Out: 159.934 $\pm$ 0.071 χ^2 /NDF:10354.5/3

Right Out: 116.453 $\pm$ 0.034 χ^2 /NDF: 1535612.1/18

Left In: 164.318 $\pm$ 0.076 χ^2 /NDF:17590.4/2

Left: 161.976 $\pm$ 0.052 χ^2 /NDF: 29732.6/6

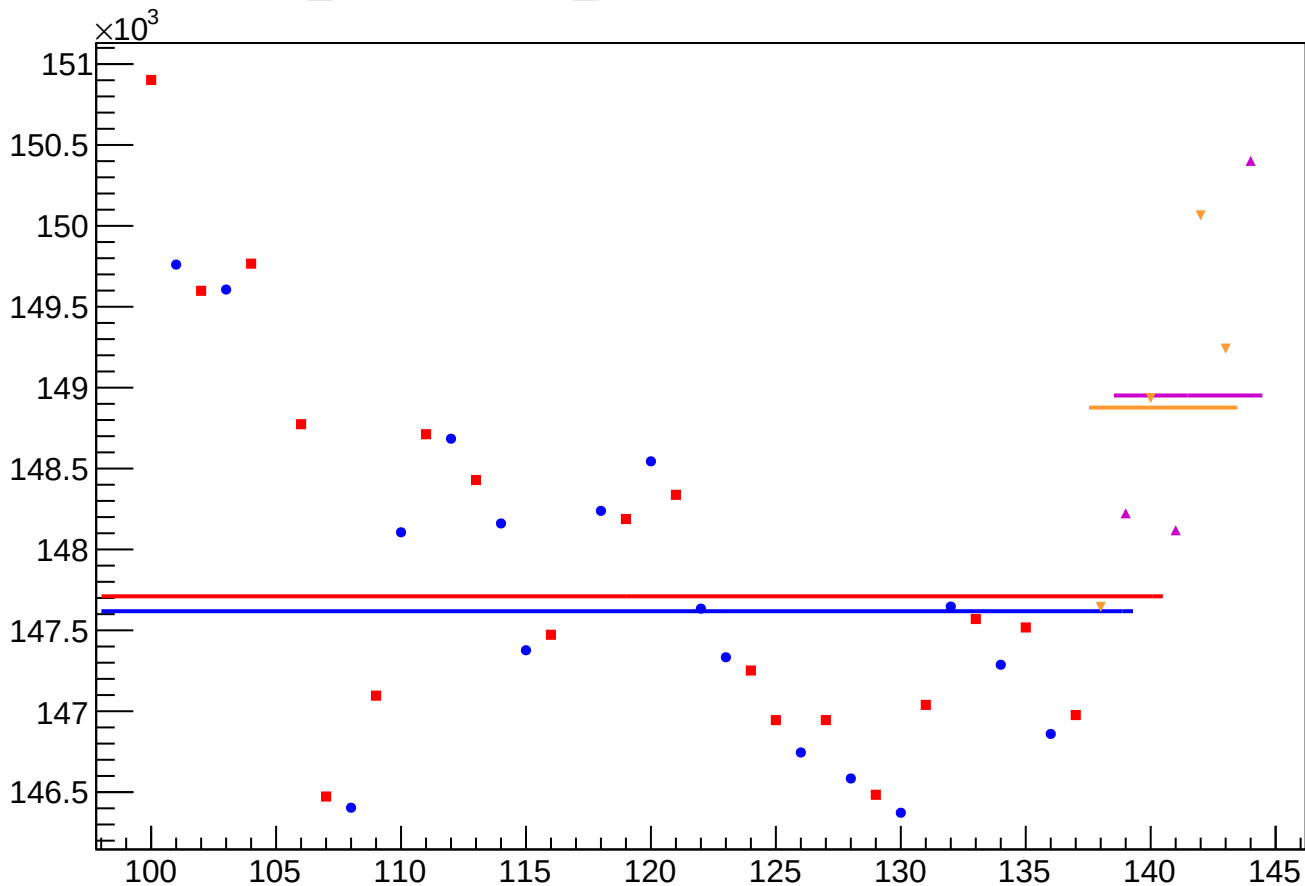
Right: 118.471 $\pm$ 0.024 χ^2 /NDF: 3008583.2/35

In: 128.641 $\pm$ 0.032 χ^2 /NDF:1753474.0/19

Out: 124.421 $\pm$ 0.030 χ^2 /NDF:1854361.4/22

All: 126.399 $\pm$ 0.022 χ^2 /NDF: 3616932.7/42

yield_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 147618.243 $\pm$ 0.063

χ^2 /NDF: 198581777.1/16

Left: 148911.282 $\pm$ 0.088 χ^2 /NDF: 114498114.3/6

Right: 147667.515 $\pm$ 0.043 χ^2 /NDF: 403454683.7/3

Left Out: 148876.872 $\pm$ 0.120

χ^2 /NDF: 46576336.8/3

In: 147869.125 $\pm$ 0.056 χ^2 /NDF: 351728060.2/19

Right Out: 147710.334 $\pm$ 0.058

χ^2 /NDF: 203714451.2/18

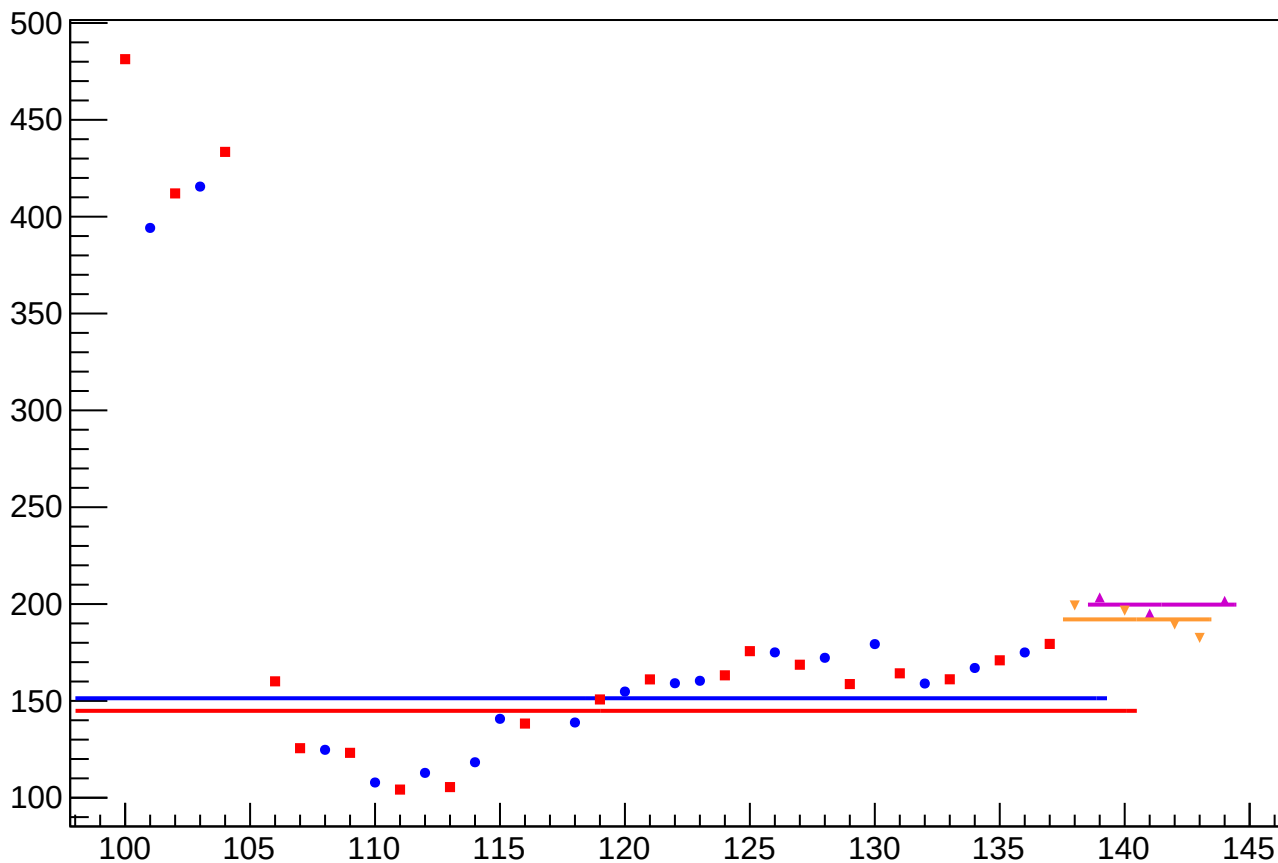
Out: 147933.004 $\pm$ 0.052 χ^2 /NDF: 326602669.0/22

Left In: 148951.586 $\pm$ 0.130

χ^2 /NDF: 67743591.5/2

All: 147903.357 $\pm$ 0.038 χ^2 /NDF: 67901838.1/24

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 151.363 $\pm$ 0.044 χ^2 /NDF: 1259788.8/16

Left Out: 192.081 $\pm$ 0.085 χ^2 /NDF:6452.6/3

Right Out: 144.870 $\pm$ 0.041 χ^2 /NDF: 1371292.3/18

Left In: 199.705 $\pm$ 0.092 χ^2 /NDF:1543.0/2

Left: 195.592 $\pm$ 0.062 χ^2 /NDF: 11706.9/6

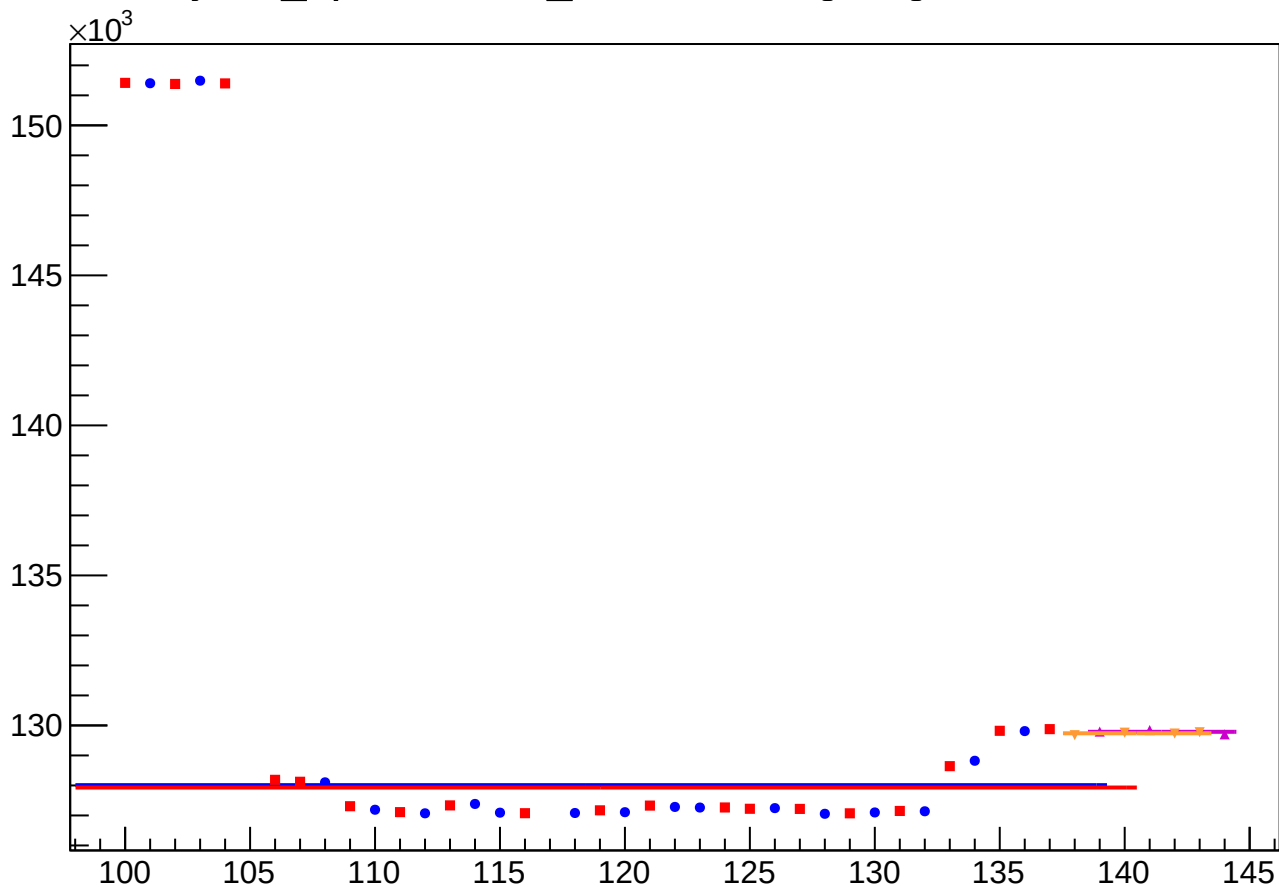
Right: 147.889 $\pm$ 0.030 χ^2 /NDF: 2642598.4/35

In: 160.459 $\pm$ 0.040 χ^2 /NDF:1485866.1/19

Out: 153.881 $\pm$ 0.037 χ^2 /NDF:1627729.7/22

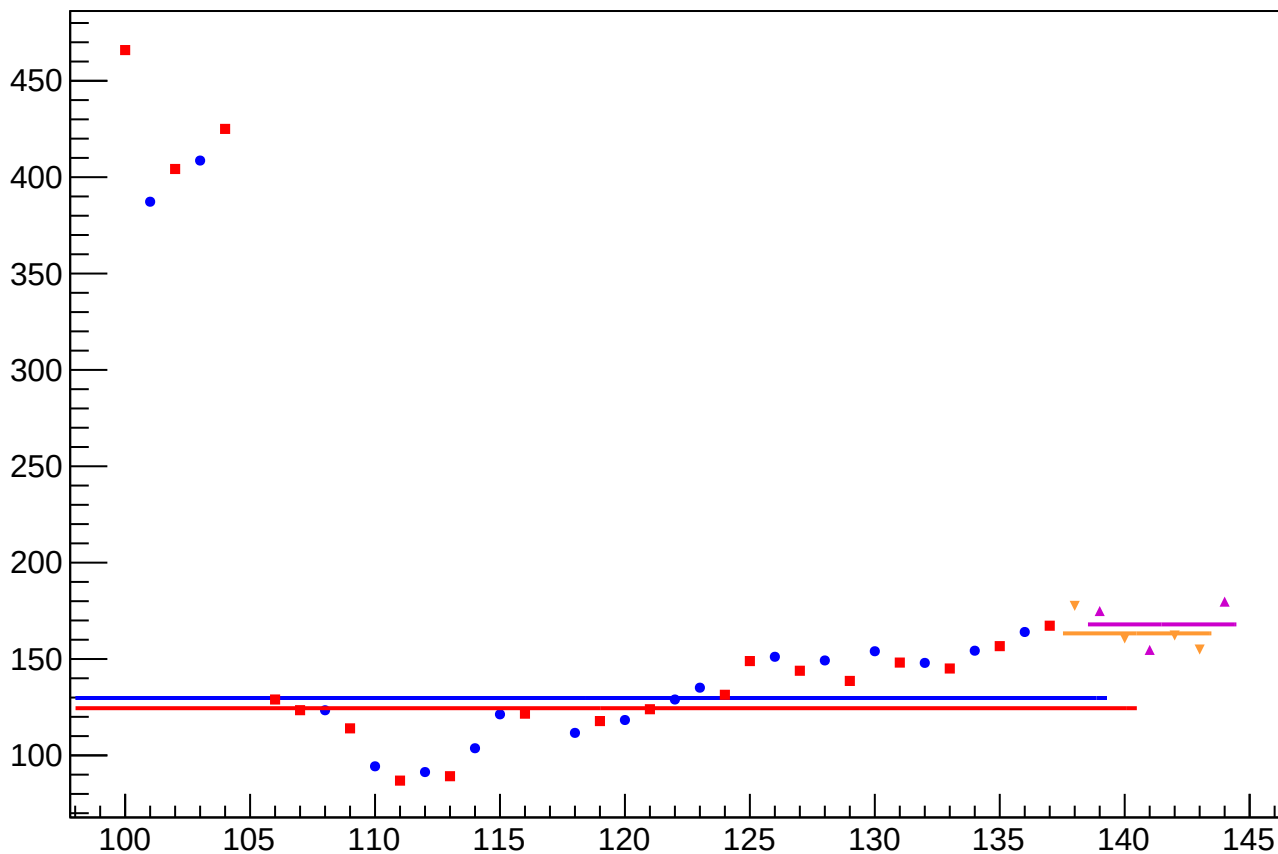
All: 156.934 $\pm$ 0.027 χ^2 /NDF: 3128176.8/42

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128009.906 $\pm$ 0.054	χ^2 /NDF: 4319099803.8/16	Left: 129761.147 $\pm$ 0.075	χ^2 /NDF: 561480.3/6
Left Out: 129737.939 $\pm$ 0.102	χ^2 /NDF: 138356.8/3	Right: 127967.286 $\pm$ 0.037	χ^2 /NDF: 8088326902.9/6
Right Out: 127930.465 $\pm$ 0.050	χ^2 /NDF: 3768075163.1/18	In: 128359.707 $\pm$ 0.049	χ^2 /NDF: 4531007803.5/19
Left In: 129787.822 $\pm$ 0.110	χ^2 /NDF: 312237.8/2	Out: 128284.083 $\pm$ 0.045	χ^2 /NDF: 4019915112.0/2
		All: 128319.162 $\pm$ 0.033	χ^2 /NDF: 855222160.0/2

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.769+/-0.038 χ^2/NDF : 1483741.9/16

Left Out: 163.295+/-0.072 χ^2/NDF :13586.0/3

Right Out: 124.477+/-0.036 χ^2/NDF : 1526276.6/18

Left In: 167.956+/-0.077 χ^2/NDF :21708.8/2

Left: 165.464+/-0.053 χ^2/NDF : 37231.3/6

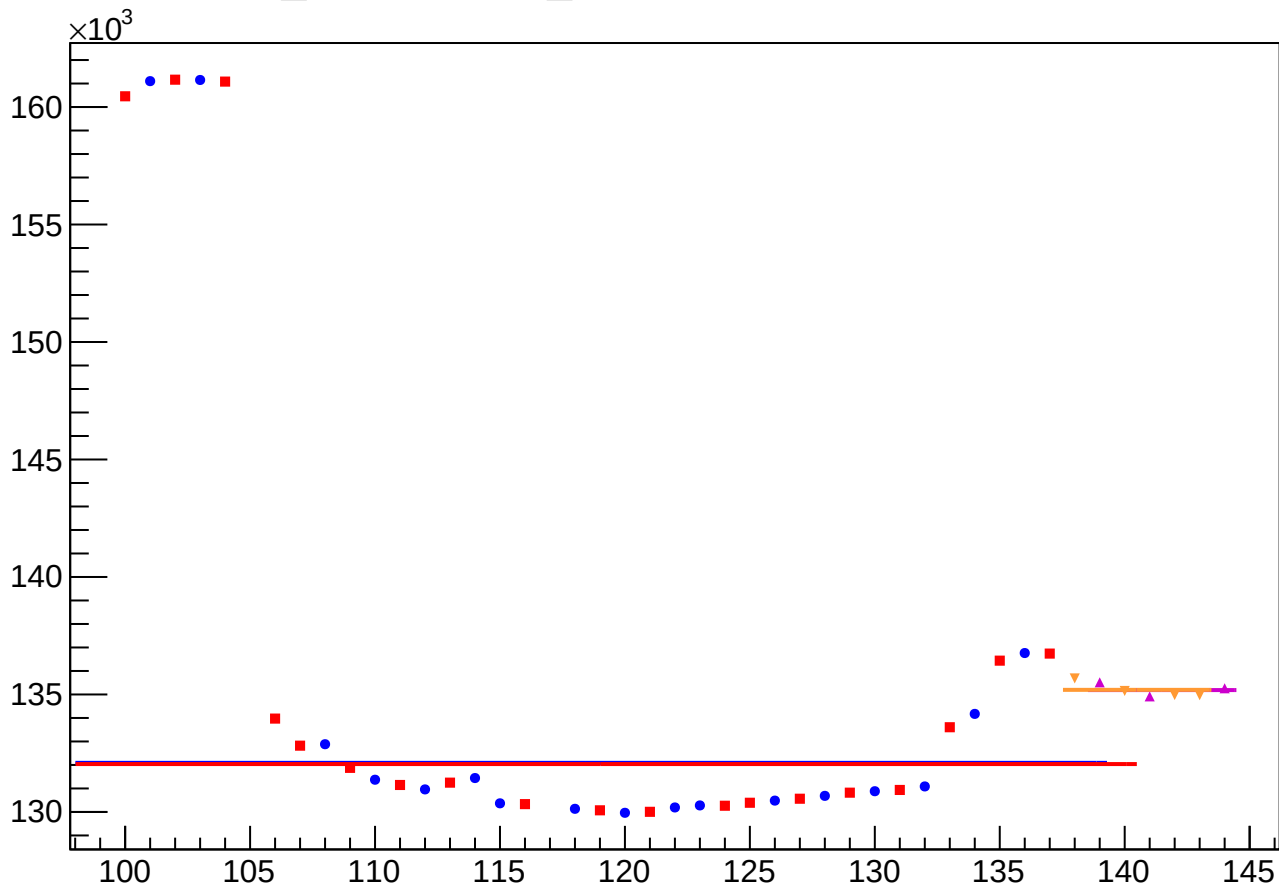
Right: 126.930+/-0.026 χ^2/NDF : 3020240.6/35

In: 137.282+/-0.034 χ^2/NDF :1700683.5/19

Out: 132.072+/-0.032 χ^2/NDF :1772045.2/22

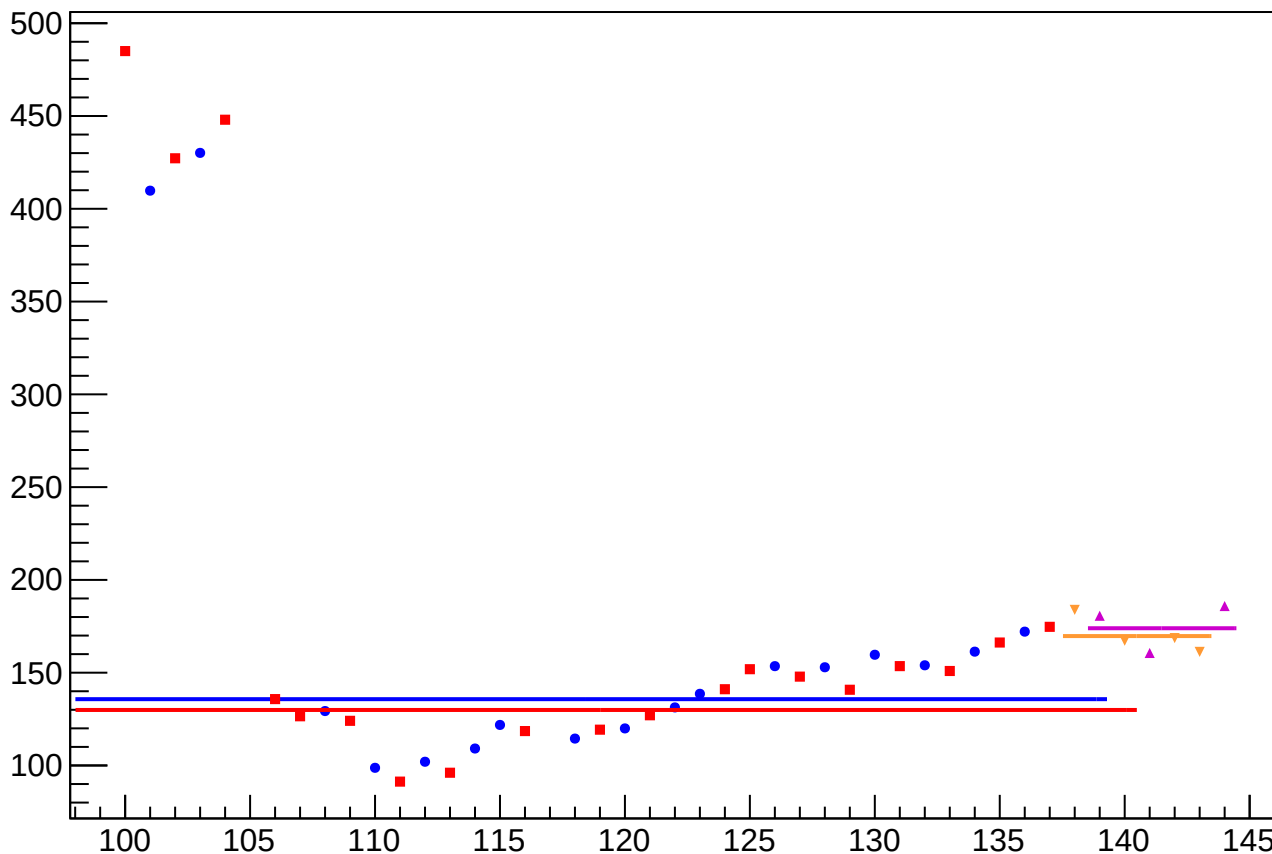
All: 134.489+/-0.023 χ^2/NDF : 3485059.6/42

yield_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 132090.159 $\pm$ 0.057	χ^2/NDF : 6731961368.4/16	Left: 135191.932 $\pm$ 0.078	χ^2/NDF : 11841126.4/6
Left Out: 135196.377 $\pm$ 0.106	χ^2/NDF : 7131197.3/3	Right: 132062.178 $\pm$ 0.039	χ^2/NDF : 12614215233.0
Right Out: 132038.077 $\pm$ 0.053	χ^2/NDF : 5881799125.4/18	In: 132707.590 $\pm$ 0.051	χ^2/NDF : 7333285824.6/19
Left In: 135186.858 $\pm$ 0.113	χ^2/NDF : 4706175.1/2	Out: 132659.459 $\pm$ 0.047	χ^2/NDF : 6599920084.1/2
		All: 132681.770 $\pm$ 0.034	χ^2/NDF : 139336902.0

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 135.730 $\pm$ 0.040 χ^2 /NDF: 1442560.7/16

Left Out: 169.732 $\pm$ 0.075 χ^2 /NDF:12530.0/3

Right Out: 129.912 $\pm$ 0.037 χ^2 /NDF: 1498757.6/18

Left In: 173.953 $\pm$ 0.080 χ^2 /NDF:20437.4/2

Left: 171.702 $\pm$ 0.055 χ^2 /NDF: 34443.4/6

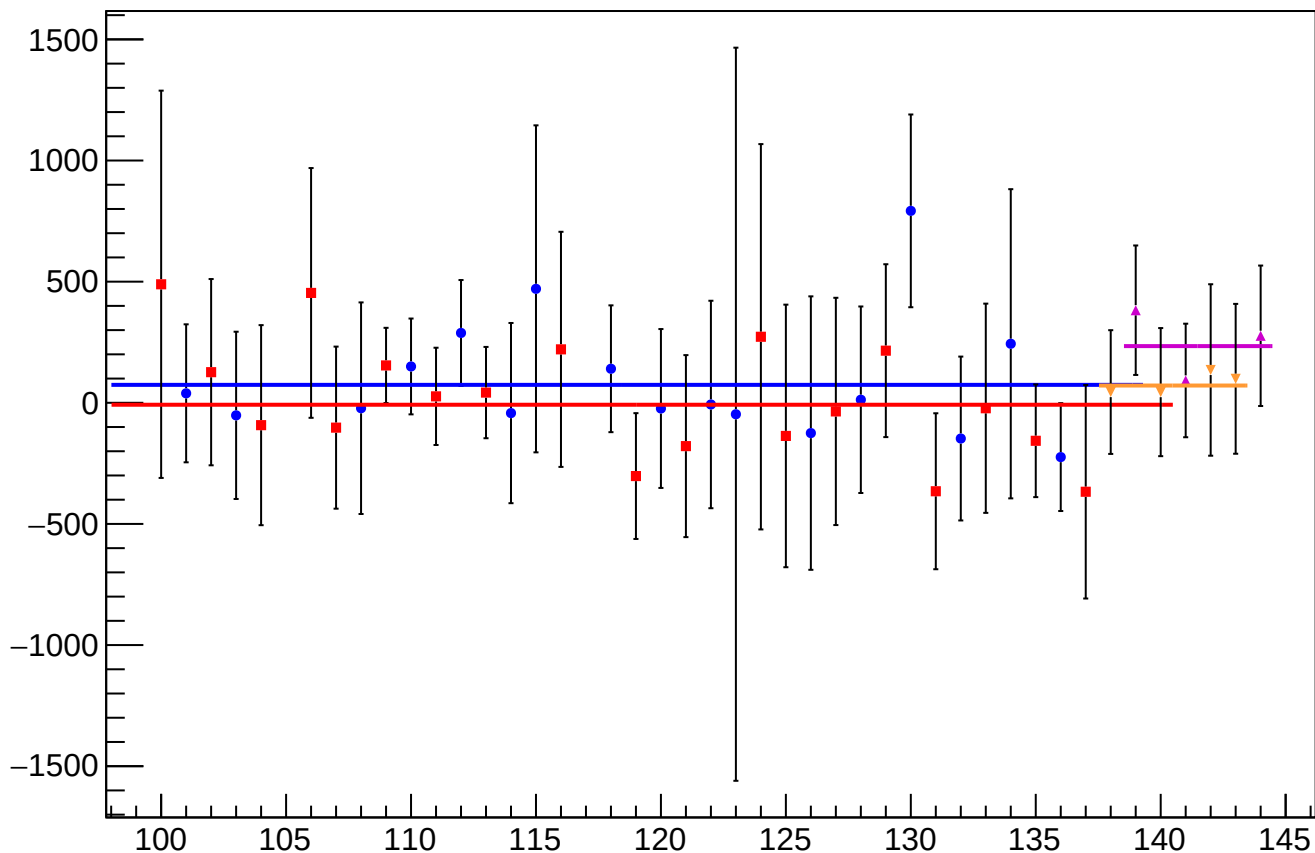
Right: 132.605 $\pm$ 0.027 χ^2 /NDF: 2952668.5/35

In: 143.351 $\pm$ 0.036 χ^2 /NDF:1644783.2/19

Out: 137.747 $\pm$ 0.033 χ^2 /NDF:1737326.0/22

All: 140.345 $\pm$ 0.024 χ^2 /NDF: 3395244.6/42

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 74.036 $\pm$ 79.233 χ^2 /NDF: 7.6/16

Left Out: 71.261 $\pm$ 144.215 χ^2 /NDF:0.1/3

Right Out: -8.046 $\pm$ 70.080 χ^2 /NDF: 7.2/18

Left In: 233.973 $\pm$ 150.564 χ^2 /NDF:0.7/2

Left: 149.114 $\pm$ 104.147 χ^2 /NDF: 1.4/6

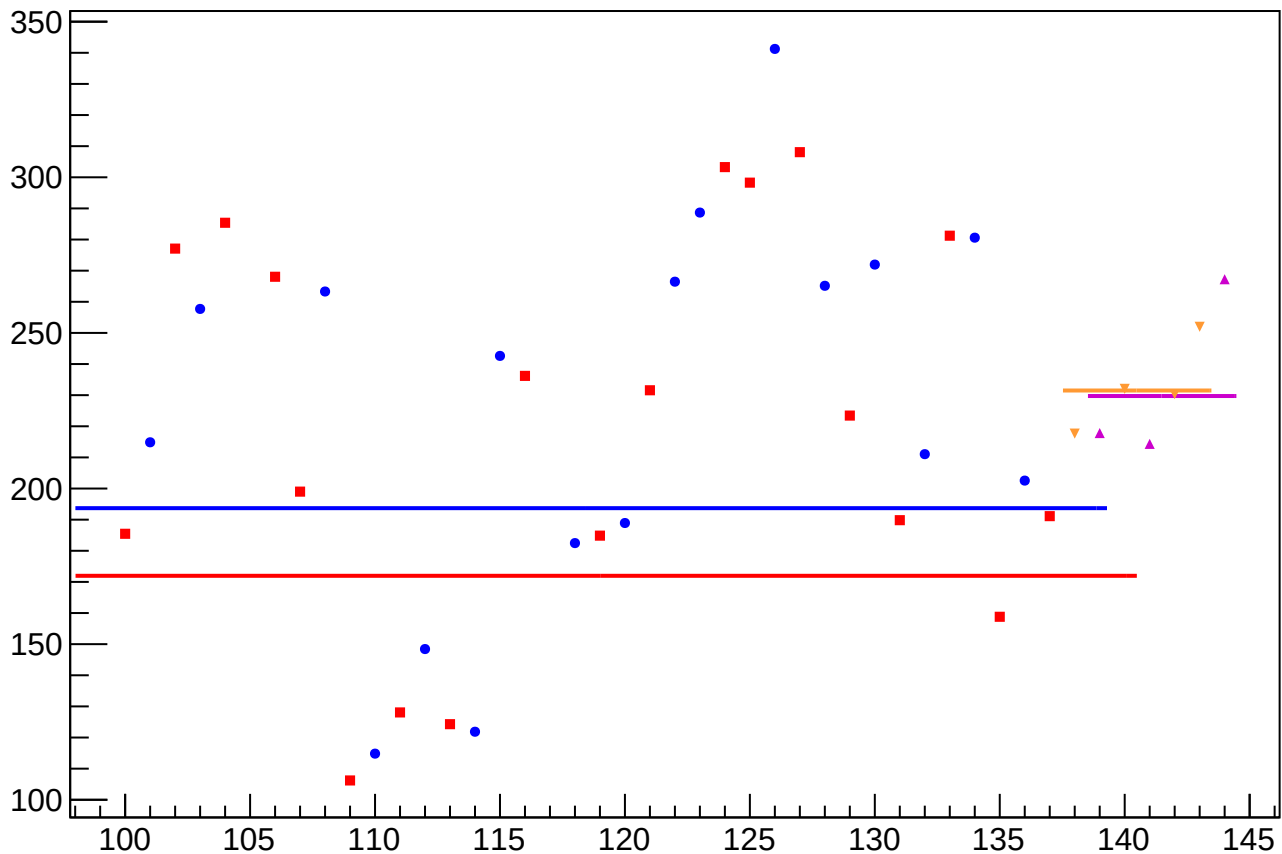
Right: 27.982 $\pm$ 52.493 χ^2 /NDF: 15.5/35

In: 108.722 $\pm$ 70.117 χ^2 /NDF:9.2/19

Out: 7.104 $\pm$ 63.032 χ^2 /NDF:7.5/22

All: 52.521 $\pm$ 46.876 χ^2 /NDF: 17.9/42

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.695 $\pm$ 0.056 χ^2 /NDF: 1018039.6/16

Left Out: 231.497 $\pm$ 0.102 χ^2 /NDF:14677.4/3

Right Out: 171.963 $\pm$ 0.050 χ^2 /NDF: 1574387.3/18

Left In: 229.724 $\pm$ 0.106 χ^2 /NDF:46081.9/2

Left: 230.649 $\pm$ 0.074 χ^2 /NDF: 60903.8/6

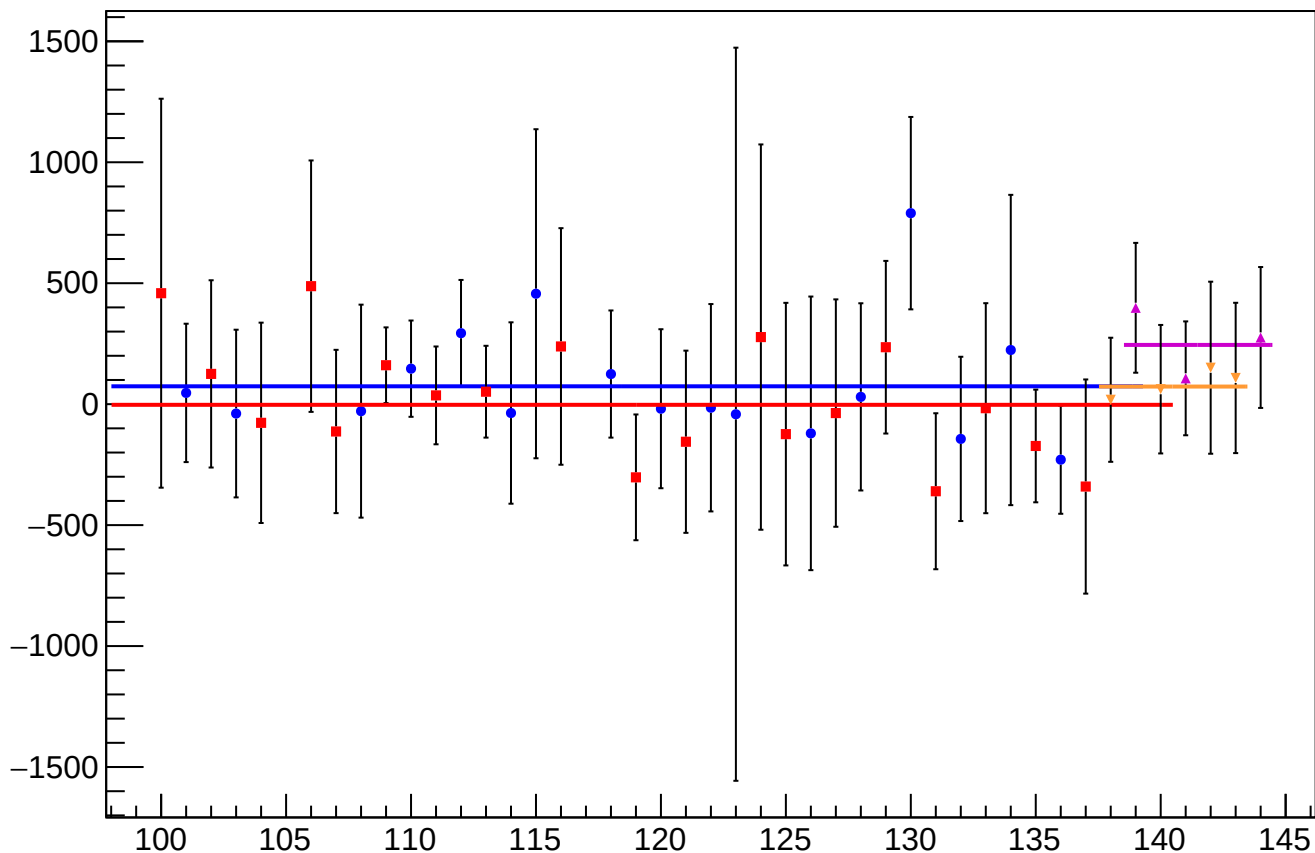
Right: 181.502 $\pm$ 0.037 χ^2 /NDF: 2676847.4/35

In: 201.509 $\pm$ 0.050 χ^2 /NDF:1153809.7/19

Out: 183.336 $\pm$ 0.045 χ^2 /NDF:1864784.2/22

All: 191.458 $\pm$ 0.033 χ^2 /NDF: 3092900.2/42

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 73.822 $\pm$ 79.620 χ^2 /NDF: 7.5/16

Left Out: 72.772 $\pm$ 144.871 χ^2 /NDF:0.1/3

Right Out: -2.721 $\pm$ 70.450 χ^2 /NDF: 7.4/18

Left In: 244.903 $\pm$ 151.225 χ^2 /NDF:0.7/2

Left: 155.145 $\pm$ 104.614 χ^2 /NDF: 1.5/6

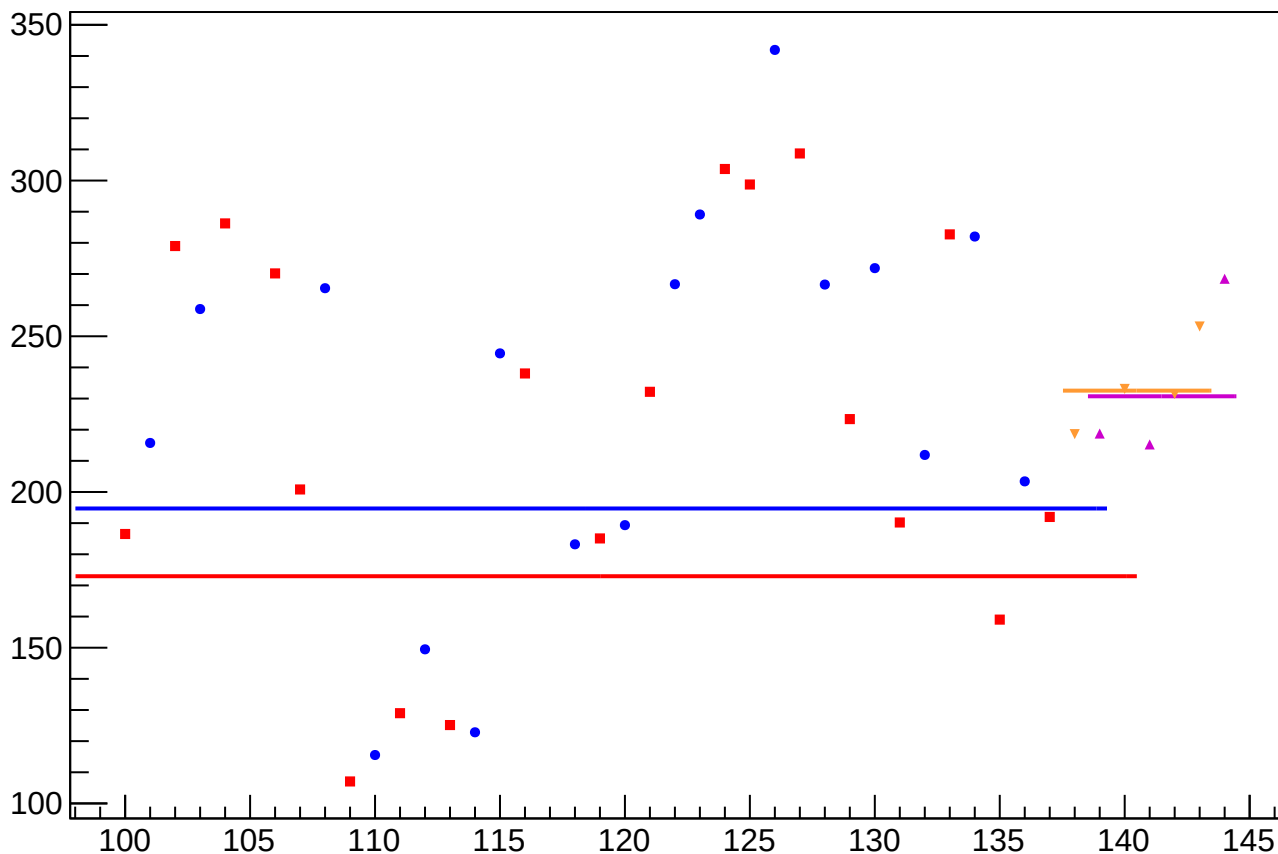
Right: 30.891 $\pm$ 52.761 χ^2 /NDF: 15.5/35

In: 110.953 $\pm$ 70.452 χ^2 /NDF:9.2/19

Out: 11.717 $\pm$ 63.356 χ^2 /NDF:7.7/22

All: 56.087 $\pm$ 47.109 χ^2 /NDF: 18.0/42

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.704 $\pm$ 0.056 χ^2 /NDF: 1009606.0/16

Left Out: 232.545 $\pm$ 0.102 χ^2 /NDF:14752.5/3

Right Out: 172.953 $\pm$ 0.050 χ^2 /NDF: 1562179.1/18

Left In: 230.728 $\pm$ 0.107 χ^2 /NDF:46192.4/2

Left: 231.676 $\pm$ 0.074 χ^2 /NDF: 61095.5/6

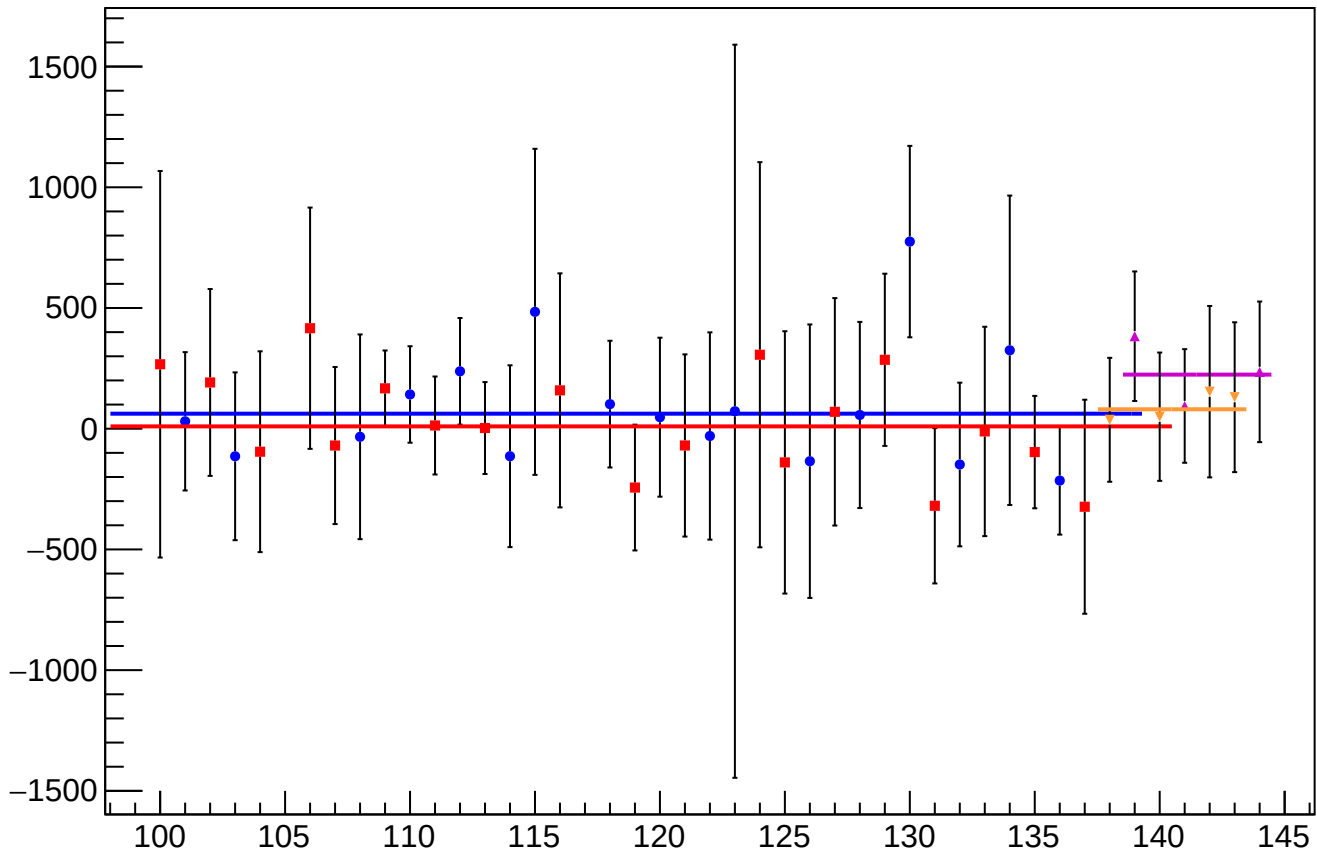
Right: 182.505 $\pm$ 0.037 χ^2 /NDF: 2655502.8/35

In: 202.523 $\pm$ 0.050 χ^2 /NDF:1144658.4/19

Out: 184.350 $\pm$ 0.045 χ^2 /NDF:1850620.9/22

All: 192.476 $\pm$ 0.033 χ^2 /NDF: 3068849.8/42

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 62.284+/-79.616 χ^2/NDF : 7.2/16

Left Out: 80.518+/-144.846 χ^2/NDF : 0.1/3

Right Out: 9.662+/-70.372 χ^2/NDF : 5.9/18

Left In: 224.117+/-151.184 χ^2/NDF : 0.7/2

Left: 149.245+/-104.590 χ^2/NDF : 1.2/6

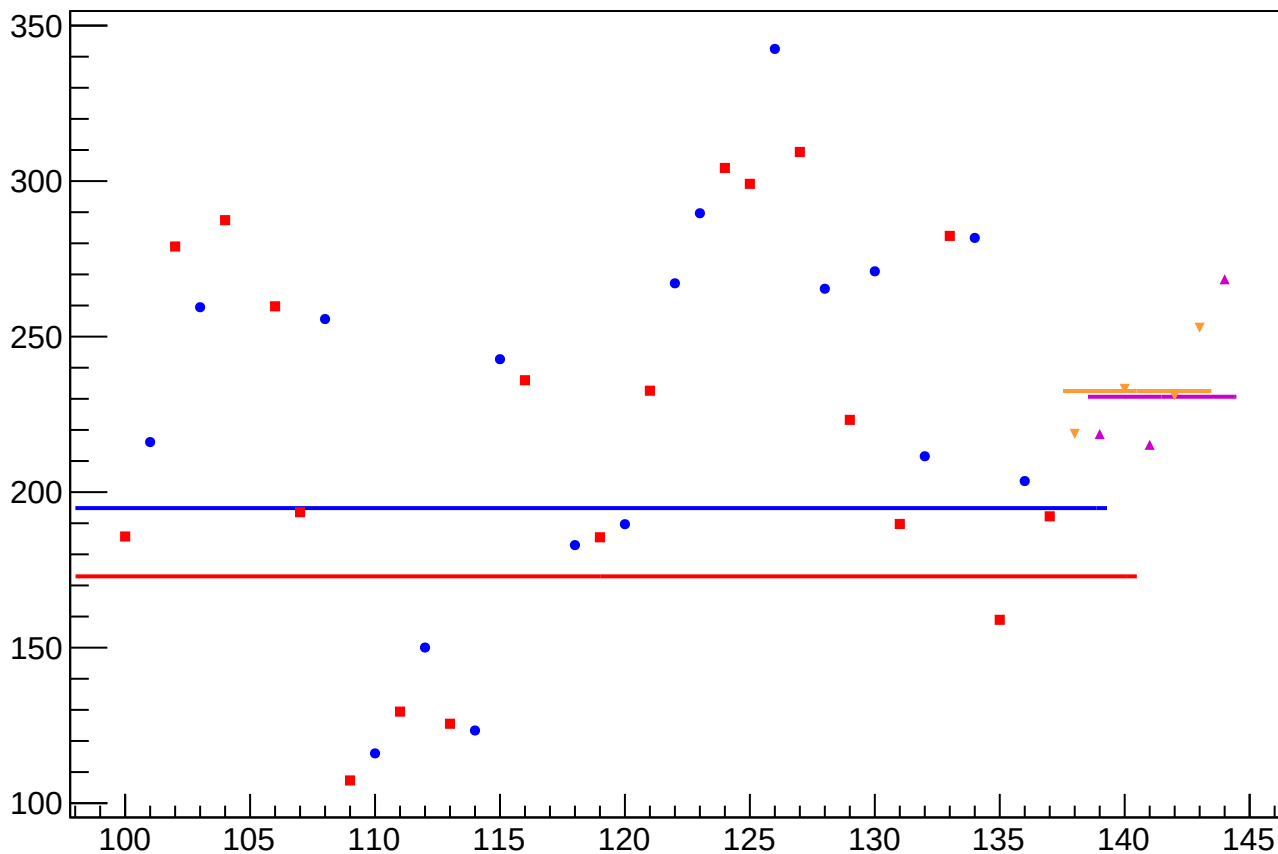
Right: 32.742+/-52.727 χ^2/NDF : 13.3/35

In: 97.421+/-70.445 χ^2/NDF : 8.8/19

Out: 23.193+/-63.297 χ^2/NDF : 6.2/22

All: 56.351+/-47.083 χ^2/NDF : 15.6/42

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.868+/-0.056 χ^2/NDF : 987545.2/16

Left Out: 232.514+/-0.102 χ^2/NDF : 14406.4/3

Right Out: 172.928+/-0.050 χ^2/NDF : 1539123.2/18

Left In: 230.668+/-0.107 χ^2/NDF : 46267.1/2

Left: 231.631+/-0.074 χ^2/NDF : 60829.0/6

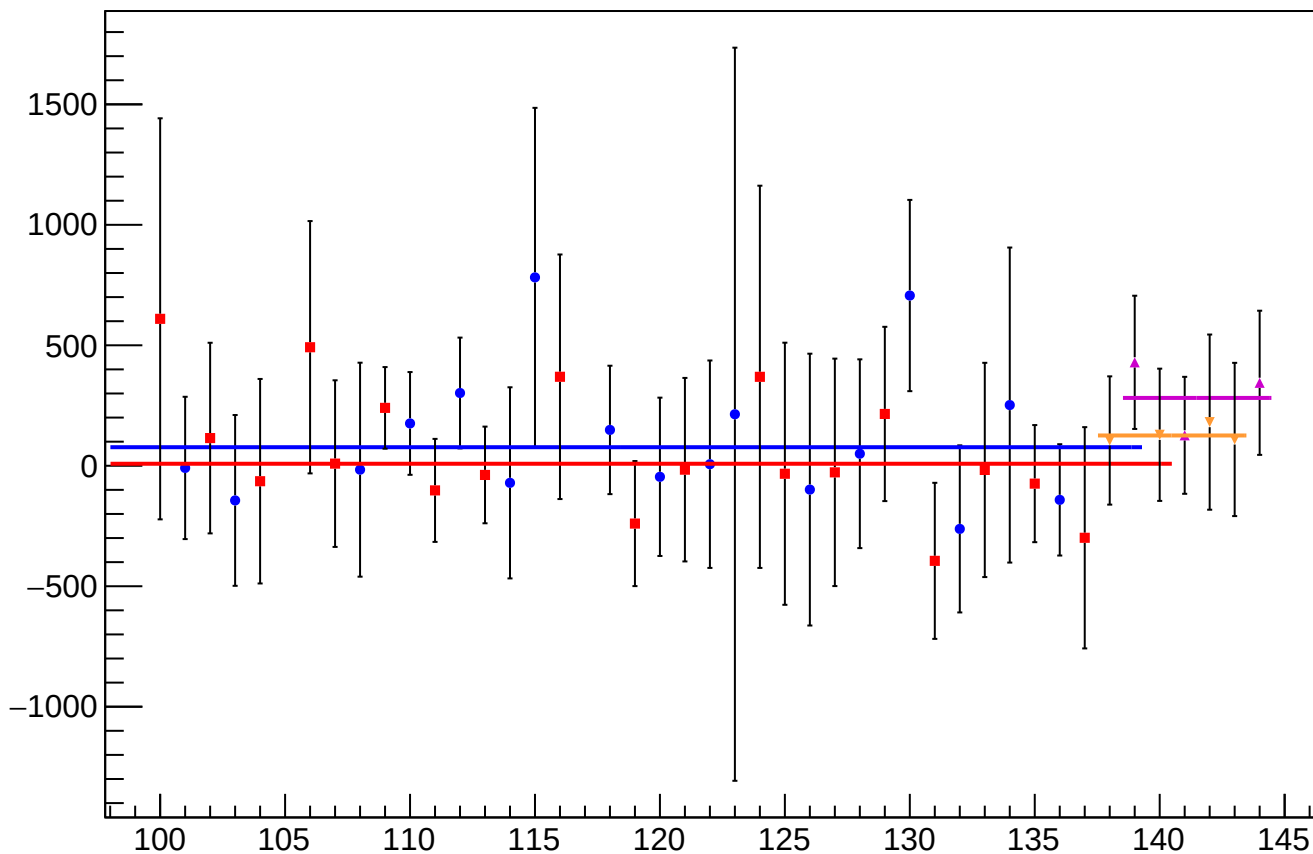
Right: 182.551+/-0.037 χ^2/NDF : 2611939.6/35

In: 202.641+/-0.050 χ^2/NDF : 1121609.7/19

Out: 184.307+/-0.045 χ^2/NDF : 1827361.2/22

All: 192.497+/-0.033 χ^2/NDF : 3023930.4/42

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 77.030 $\pm$ 82.098 χ^2 /NDF: 7.6/16

Left Out: 125.731 $\pm$ 149.330 χ^2 /NDF:0.0/3

Right Out: 8.365 $\pm$ 73.326 χ^2 /NDF: 7.8/18

Left In: 281.575 $\pm$ 155.737 χ^2 /NDF:0.7/2

Left: 200.381 $\pm$ 107.786 χ^2 /NDF: 1.3/6

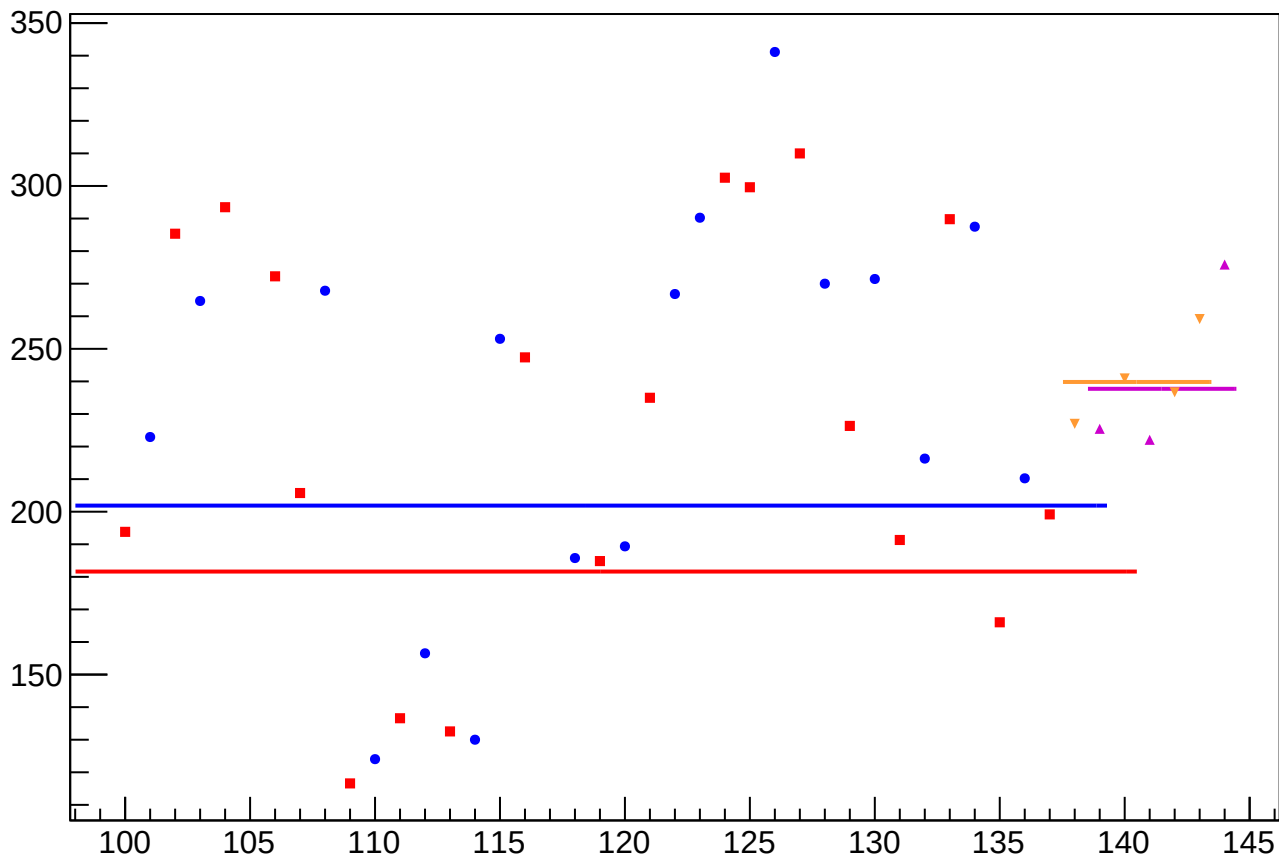
Right: 38.834 $\pm$ 54.689 χ^2 /NDF: 15.8/35

In: 121.511 $\pm$ 72.625 χ^2 /NDF:9.7/19

Out: 31.166 $\pm$ 65.819 χ^2 /NDF:8.3/22

All: 71.907 $\pm$ 48.770 χ^2 /NDF: 18.8/42

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 201.873+/-0.058 χ^2/NDF : 884412.3/16

Left Out: 239.829+/-0.106 χ^2/NDF :12220.7/3

Right Out: 181.626+/-0.052 χ^2/NDF : 1373392.9/18

Left In: 237.728+/-0.110 χ^2/NDF :44784.1/2

Left: 238.823+/-0.076 χ^2/NDF : 57194.4/6

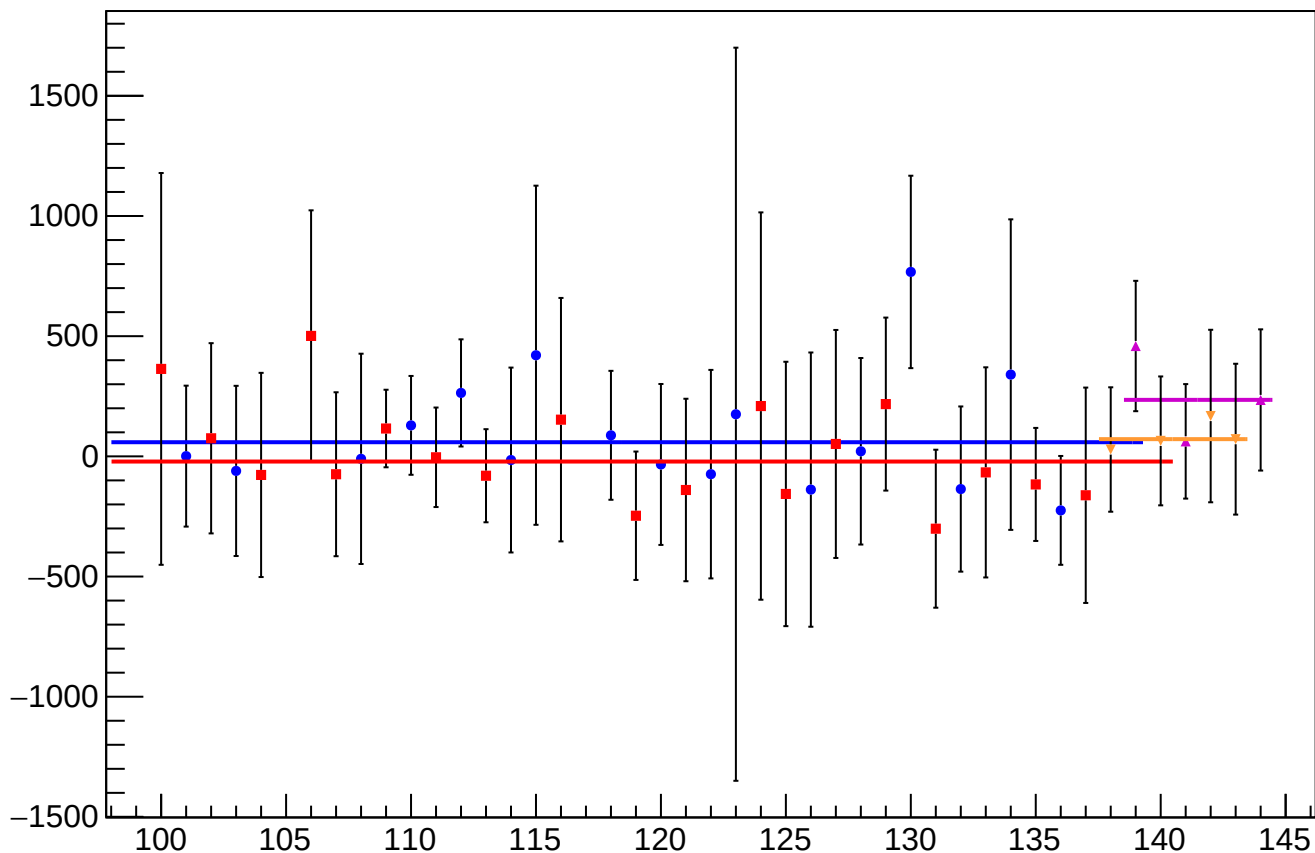
Right: 190.610+/-0.039 χ^2/NDF : 2325469.6/35

In: 209.670+/-0.051 χ^2/NDF :1012152.7/19

Out: 192.933+/-0.047 χ^2/NDF :1630418.0/22

All: 200.481+/-0.034 χ^2/NDF : 2700889.9/42

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 58.835 $\pm$ 81.036 χ^2/NDF : 7.0/16

Left Out: 71.620 $\pm$ 146.241 χ^2/NDF : 0.1/3

Right Out: -21.559 $\pm$ 71.880 χ^2/NDF : 4.7/18

Left In: 235.056 $\pm$ 152.831 χ^2/NDF : 1.2/2

Left: 149.738 $\pm$ 105.661 χ^2/NDF : 1.9/6

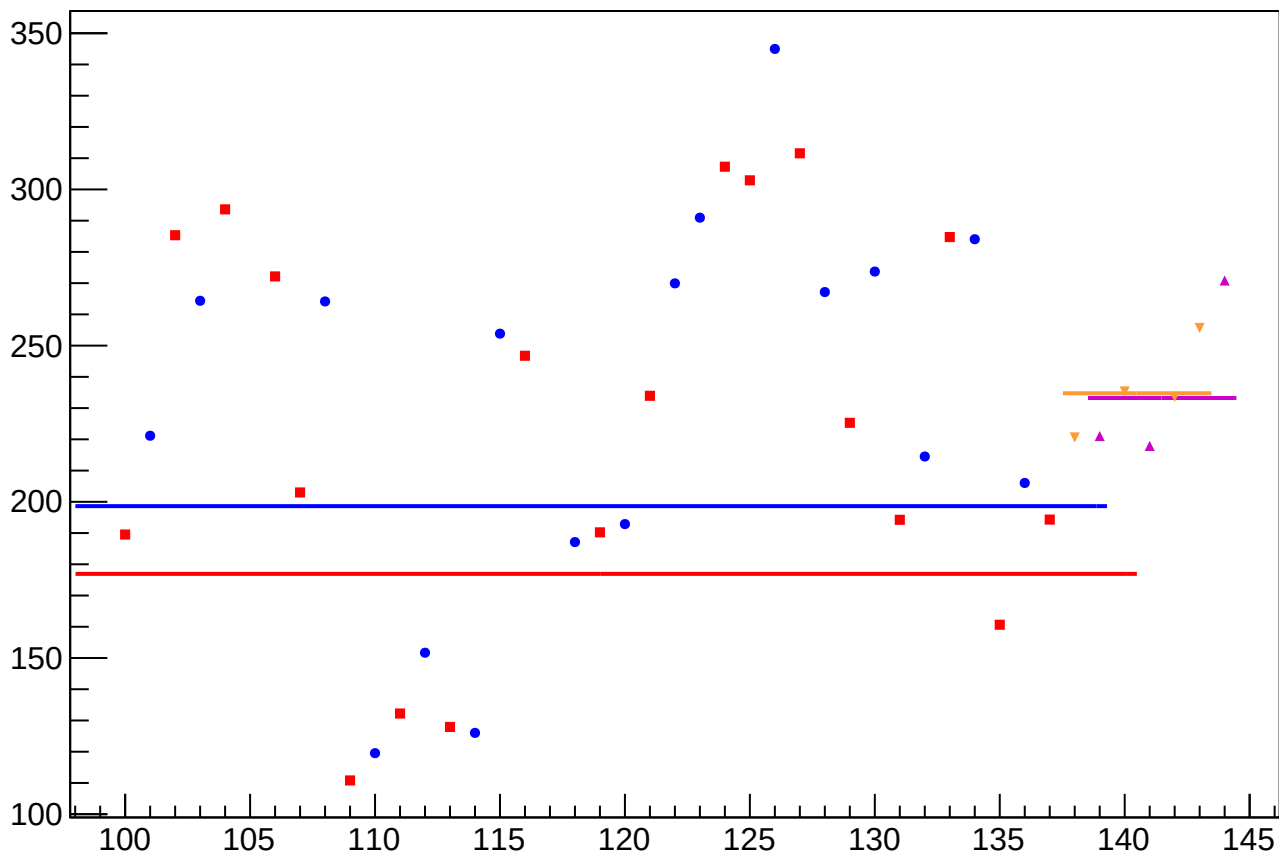
Right: 13.841 $\pm$ 53.774 χ^2/NDF : 12.2/35

In: 97.507 $\pm$ 71.595 χ^2/NDF : 9.2/19

Out: -3.428 $\pm$ 64.509 χ^2/NDF : 5.1/22

All: 41.798 $\pm$ 47.924 χ^2/NDF : 15.4/42

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.615 $\pm$ 0.057 χ^2/NDF : 965079.3/16

Left Out: 234.750 $\pm$ 0.103 χ^2/NDF :14880.1/3

Right Out: 176.933 $\pm$ 0.051 χ^2/NDF : 1519414.5/18

Left In: 233.234 $\pm$ 0.108 χ^2/NDF :45114.4/2

Left: 234.025 $\pm$ 0.075 χ^2/NDF : 60097.3/6

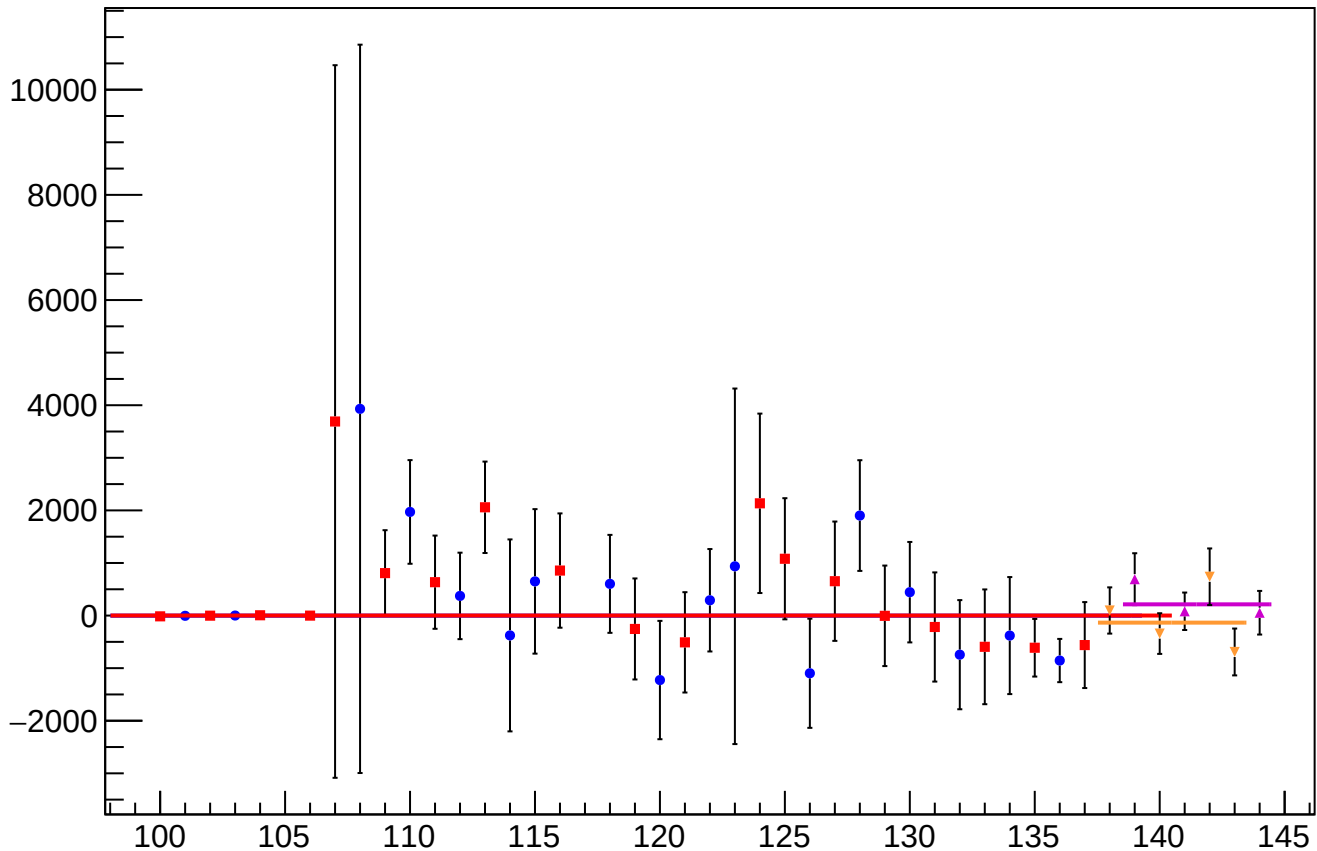
Right: 186.480 $\pm$ 0.038 χ^2/NDF : 2564624.8/35

In: 206.212 $\pm$ 0.051 χ^2/NDF :1090292.7/19

Out: 188.183 $\pm$ 0.046 χ^2/NDF :1786081.0/22

All: 196.261 $\pm$ 0.034 χ^2/NDF : 2946372.8/42

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.530 ± 2.251 χ^2/NDF : 17.4/16

Left Out: -134.255 ± 221.650 χ^2/NDF : 4.8/3

Right Out: 0.726 ± 2.111 χ^2/NDF : 19.1/18

Left In: 213.576 ± 236.978 χ^2/NDF : 1.2/2

Left: 28.049 ± 161.878 χ^2/NDF : 7.1/6

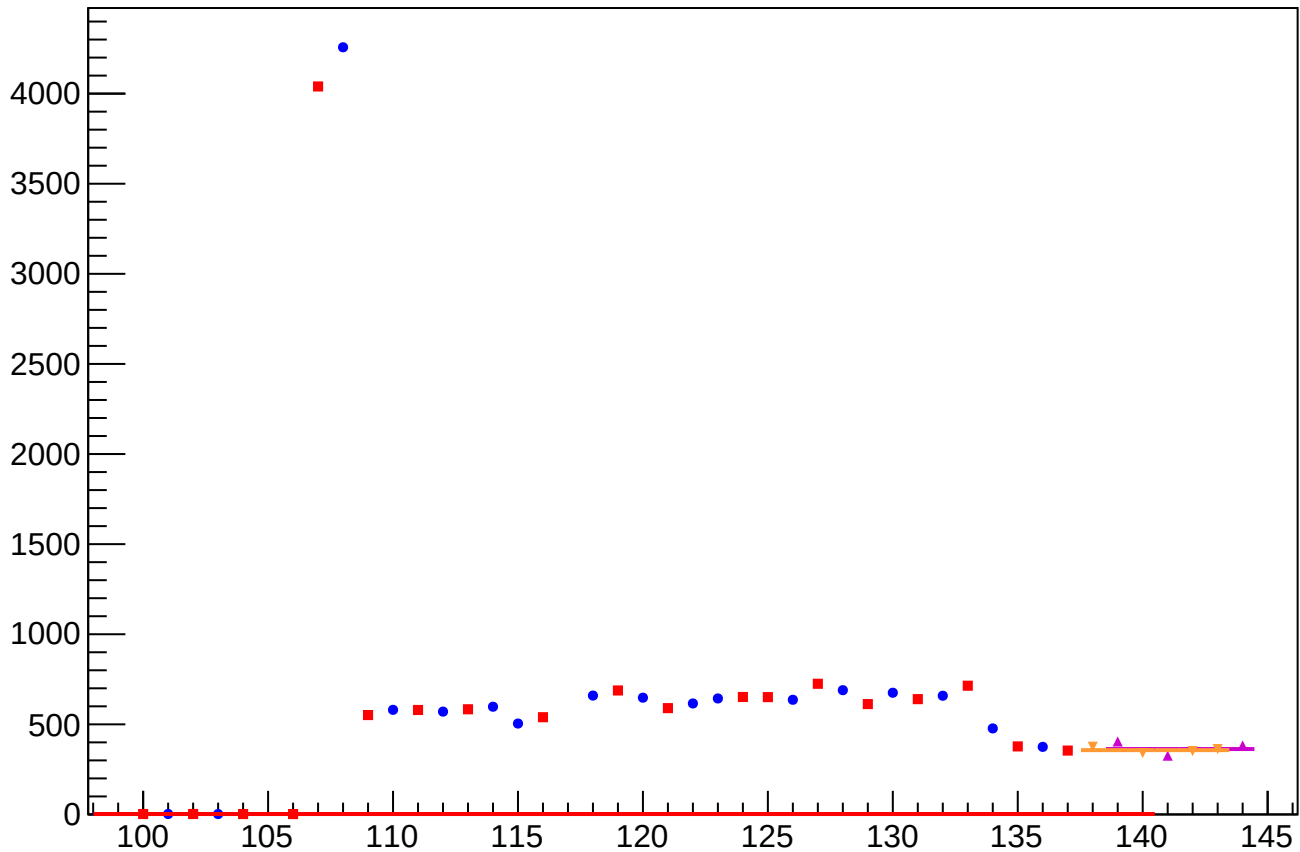
Right: -0.329 ± 1.540 χ^2/NDF : 37.1/35

In: -1.510 ± 2.251 χ^2/NDF : 19.5/19

Out: 0.714 ± 2.111 χ^2/NDF : 24.3/22

All: -0.327 ± 1.540 χ^2/NDF : 44.3/42

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.456+/-0.002 χ^2/NDF : 10808630.7/16

Left Out: 356.975+/-0.157 χ^2/NDF : 7617.8/3

Right Out: 2.437+/-0.001 χ^2/NDF : 11101281.1/18

Left In: 363.005+/-0.168 χ^2/NDF : 40448.4/2

Left: 359.789+/-0.114 χ^2/NDF : 48757.0/6

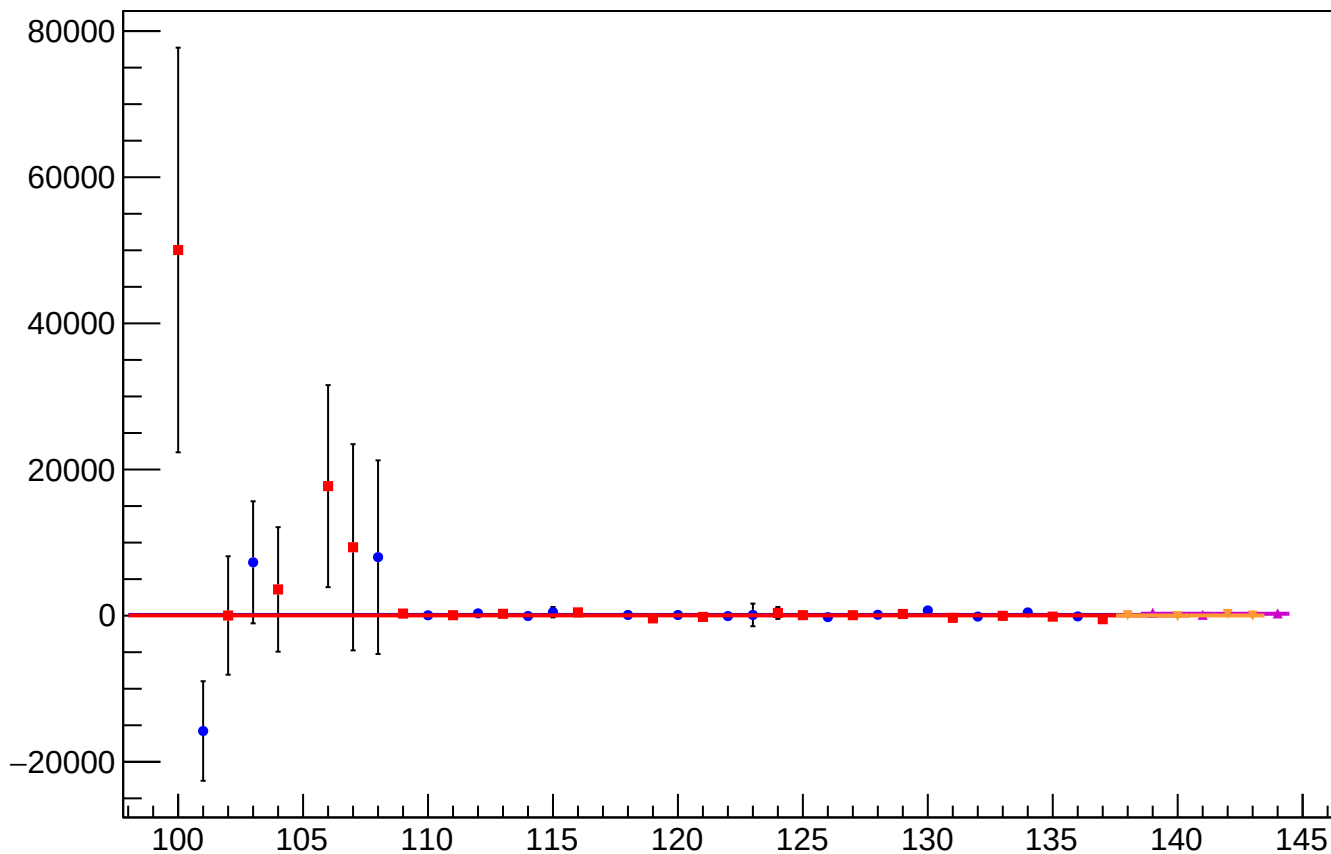
Right: 2.446+/-0.001 χ^2/NDF : 21909994.5/35

In: 2.489+/-0.002 χ^2/NDF : 15478263.5/19

Out: 2.469+/-0.001 χ^2/NDF : 16225498.1/22

All: 2.478+/-0.001 χ^2/NDF : 31703847.5/42

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 100.742 $\pm$ 91.159 χ^2 /NDF: 12.0/16

Left Out: 28.319 $\pm$ 151.206 χ^2 /NDF: 0.4/3

Right Out: 37.835 $\pm$ 84.525 χ^2 /NDF: 14.0/18

Left In: 261.303 $\pm$ 155.888 χ^2 /NDF: 0.6/2

Left: 141.259 $\pm$ 108.536 χ^2 /NDF: 2.2/6

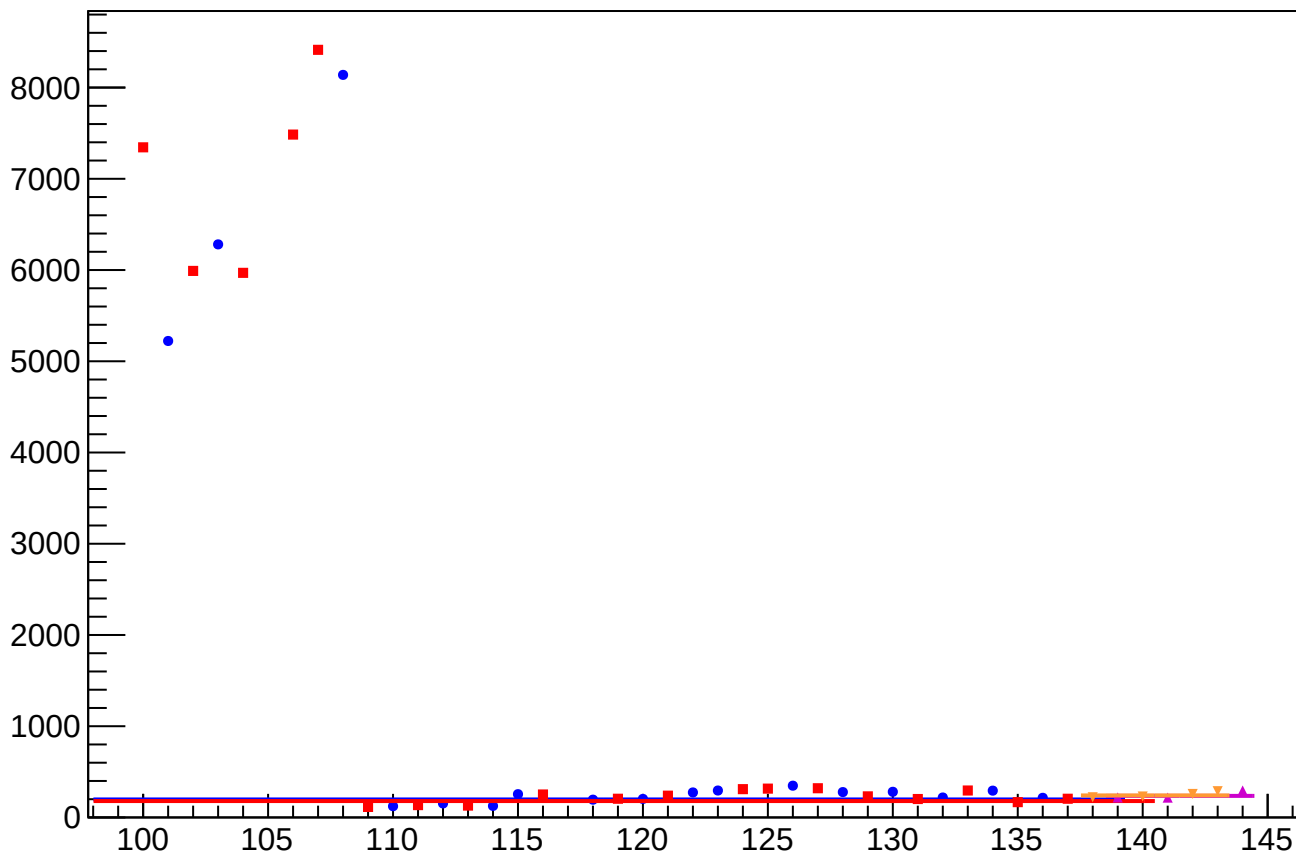
Right: 66.916 $\pm$ 61.981 χ^2 /NDF: 26.3/35

In: 141.656 $\pm$ 78.692 χ^2 /NDF: 13.4/19

Out: 35.569 $\pm$ 73.780 χ^2 /NDF: 14.5/22

All: 85.198 $\pm$ 53.823 χ^2 /NDF: 28.9/42

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.308+/-0.064 χ^2/NDF : 3696256.2/16

Left Out: 241.486+/-0.107 χ^2/NDF : 53671.5/3

Right Out: 179.749+/-0.060 χ^2/NDF : 4315581.1/18

Left In: 236.453+/-0.110 χ^2/NDF : 89265.9/2

Left: 239.046+/-0.077 χ^2/NDF : 144011.6/6

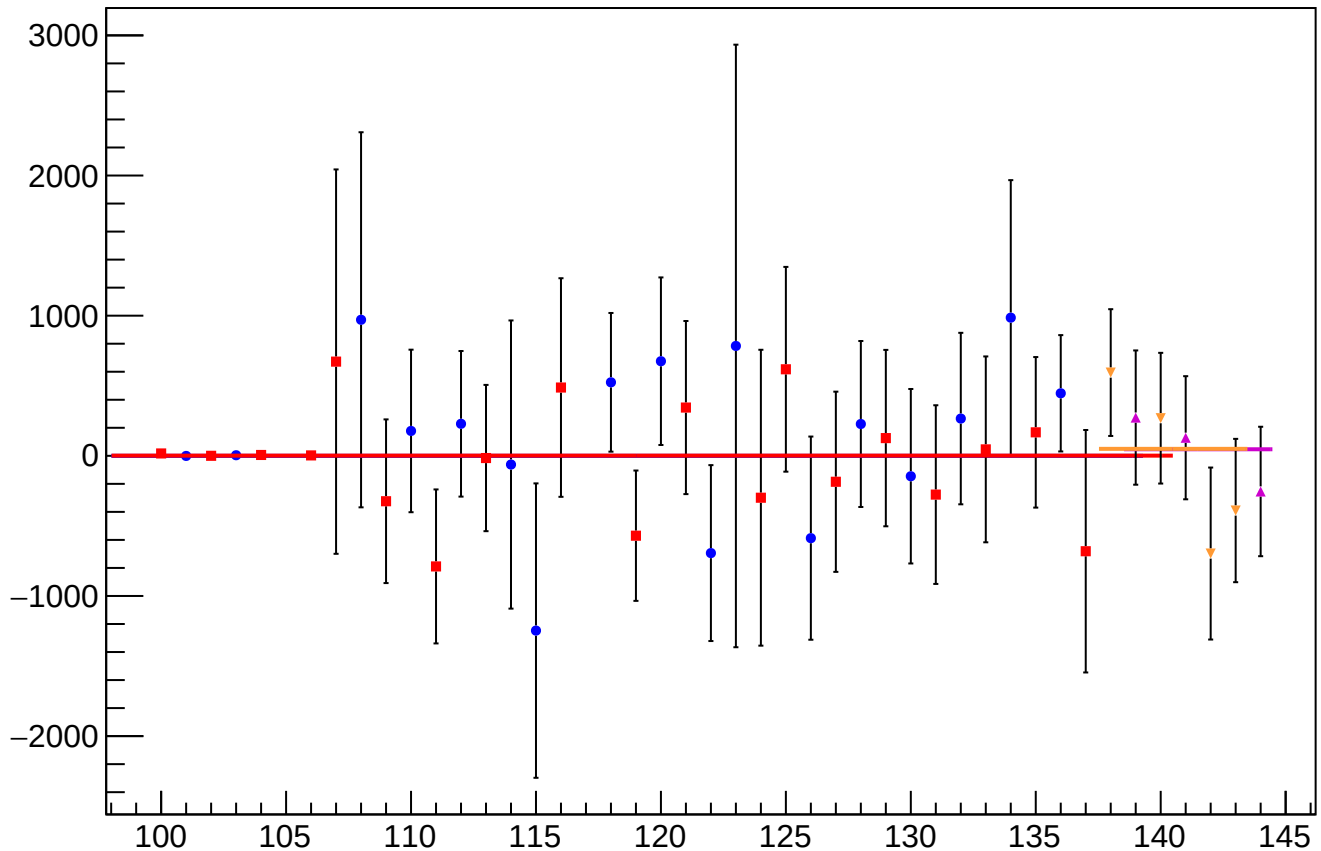
Right: 187.866+/-0.044 χ^2/NDF : 8051736.9/35

In: 207.283+/-0.056 χ^2/NDF : 3879500.9/19

Out: 194.448+/-0.052 χ^2/NDF : 4623290.3/22

All: 200.452+/-0.038 χ^2/NDF : 8531106.0/42

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.140 ± 1.737 χ^2/NDF : 10.0/16

Left Out: 49.717 ± 250.254 χ^2/NDF : 3.9/3

Right Out: 1.323 ± 1.623 χ^2/NDF : 9.4/18

Left In: 46.756 ± 265.086 χ^2/NDF : 0.7/2

Left: 48.322 ± 181.974 χ^2/NDF : 4.6/6

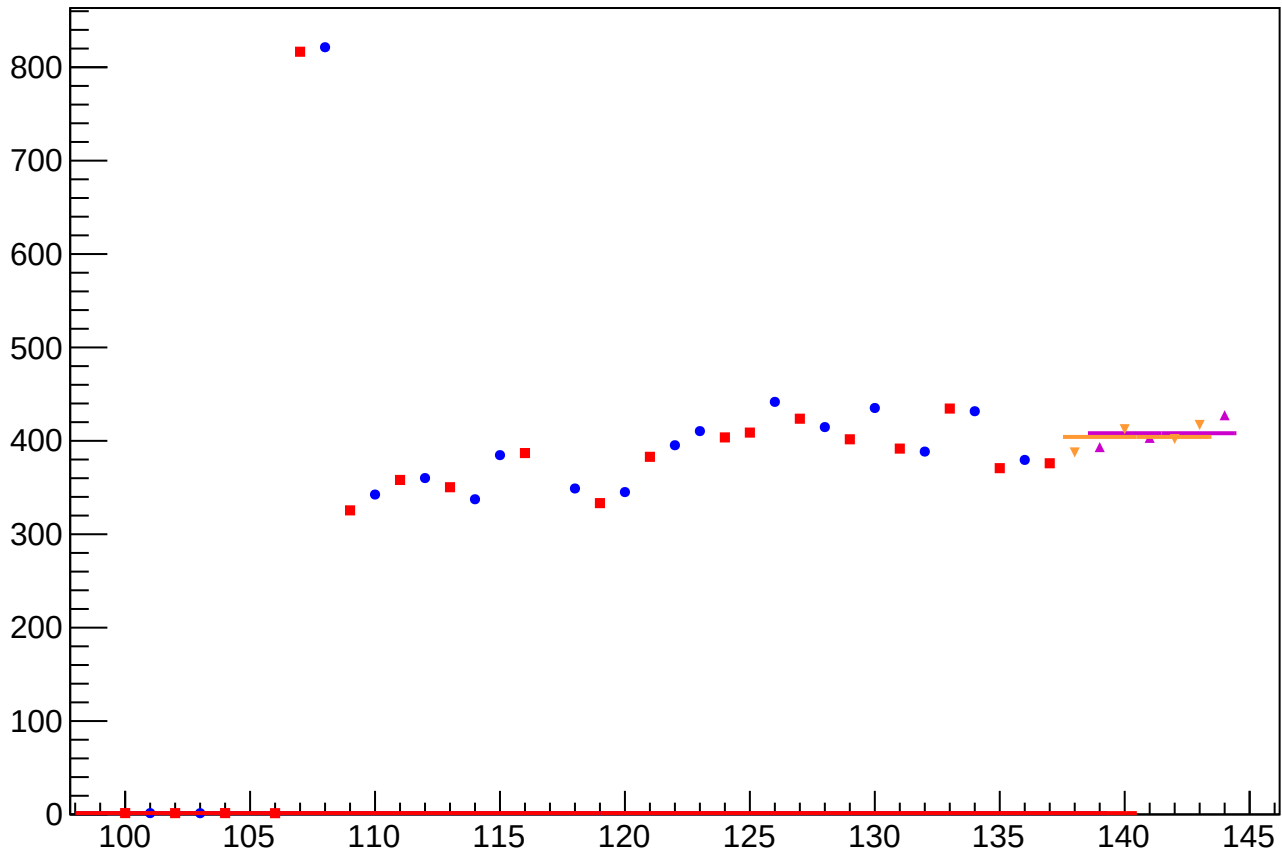
Right: 0.641 ± 1.186 χ^2/NDF : 19.8/35

In: -0.138 ± 1.737 χ^2/NDF : 10.7/19

Out: 1.325 ± 1.623 χ^2/NDF : 13.3/22

All: 0.643 ± 1.186 χ^2/NDF : 24.4/42

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.453+/-0.001 χ^2/NDF : 10914608.7/16

Left Out: 404.195+/-0.177 χ^2/NDF :4613.3/3

Right Out: 1.451+/-0.001 χ^2/NDF : 10838834.3/18

Left In: 408.155+/-0.187 χ^2/NDF :5649.4/2

Left: 406.061+/-0.129 χ^2/NDF : 10498.7/6

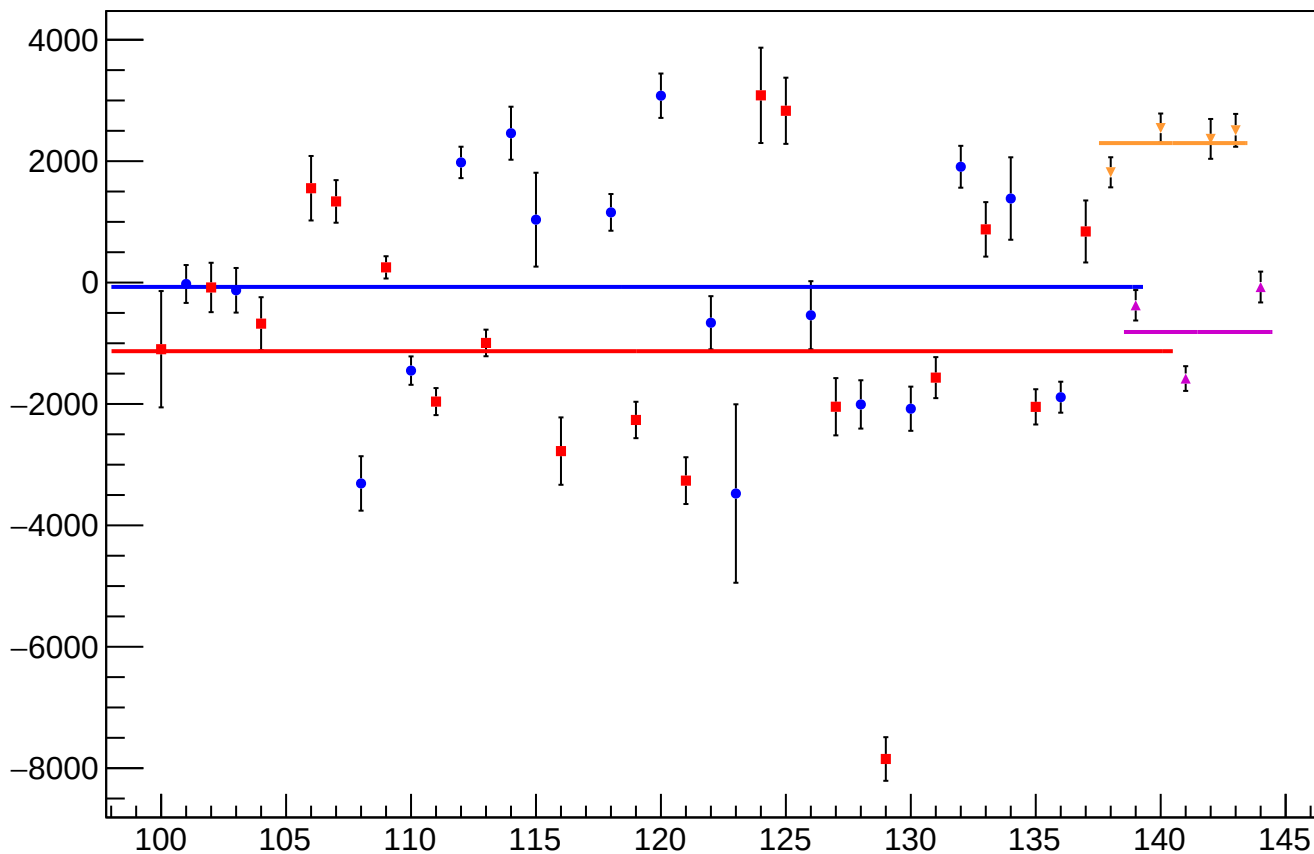
Right: 1.452+/-0.001 χ^2/NDF : 21753444.0/35

In: 1.470+/-0.001 χ^2/NDF :15627762.2/19

Out: 1.468+/-0.001 χ^2/NDF :16023161.5/22

All: 1.469+/-0.001 χ^2/NDF : 31650925.4/42

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -71.539 ± 87.764 $\chi^2/\text{NDF}: 426.3/16$

Left Out: 2297.859 ± 132.902 $\chi^2/\text{NDF}: 5.5/3$

Right Out: -1130.395 ± 78.436 $\chi^2/\text{NDF}: 688.9/18$

Left In: -814.305 ± 134.212 $\chi^2/\text{NDF}: 25.8/2$

Left: 757.045 ± 94.436 $\chi^2/\text{NDF}: 302.7/6$

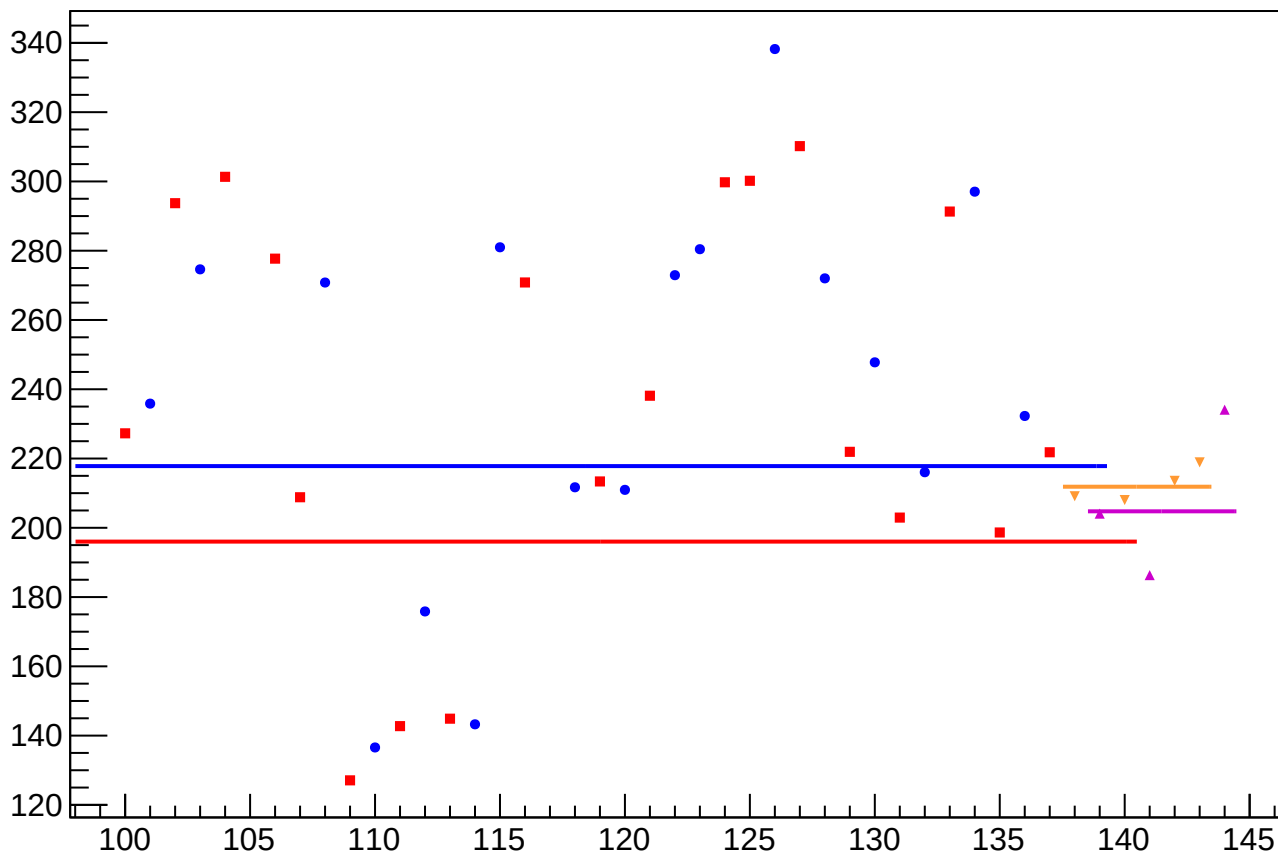
Right: -660.208 ± 58.484 $\chi^2/\text{NDF}: 1196.1/35$

In: -294.019 ± 73.453 $\chi^2/\text{NDF}: 473.5/19$

Out: -244.765 ± 67.549 $\chi^2/\text{NDF}: 1187.9/22$

All: -267.333 ± 49.721 $\chi^2/\text{NDF}: 1661.6/42$

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.814 $\pm$ 0.062 χ^2/NDF : 661049.8/16

Left Out: 211.862 $\pm$ 0.094 χ^2/NDF :2168.5/3

Right Out: 196.014 $\pm$ 0.055 χ^2/NDF : 1189121.8/18

Left In: 204.756 $\pm$ 0.095 χ^2/NDF :43055.7/2

Left: 208.343 $\pm$ 0.067 χ^2/NDF : 48055.0/6

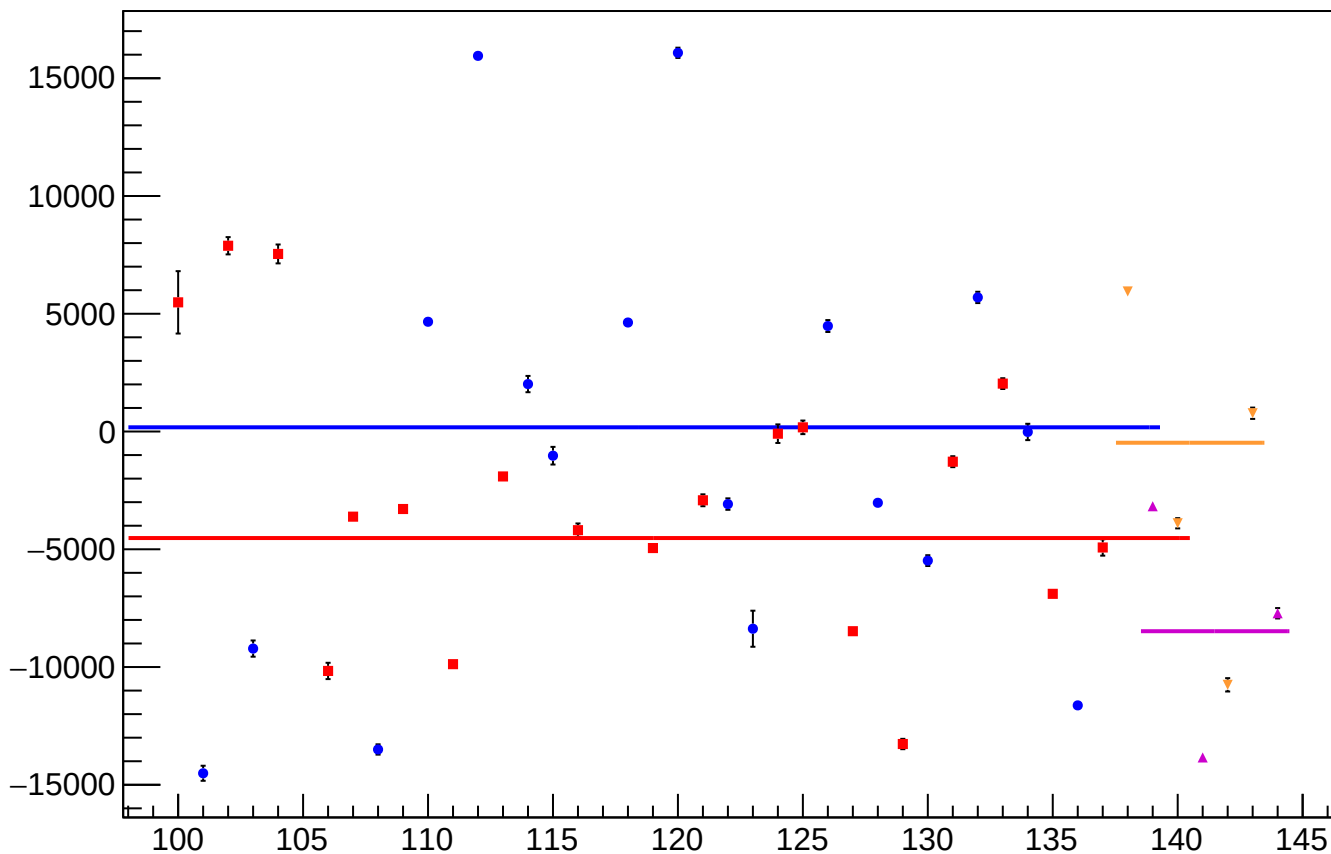
Right: 205.694 $\pm$ 0.041 χ^2/NDF : 1918777.4/35

In: 213.903 $\pm$ 0.052 χ^2/NDF :717367.6/19

Out: 200.108 $\pm$ 0.048 χ^2/NDF :1212382.9/22

All: 206.428 $\pm$ 0.035 χ^2/NDF : 1967970.3/42

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 178.788+/-54.896 χ^2/NDF : 30662.2/16

Left Out: -476.656+/-112.710 χ^2/NDF :2737.4/3

Right Out: -4523.222+/-52.440 χ^2/NDF : 7474.2/18

Left In: -8479.074+/-119.328 χ^2/NDF :1425.3/2

Left: -4249.821+/-81.938 χ^2/NDF : 6539.5/6

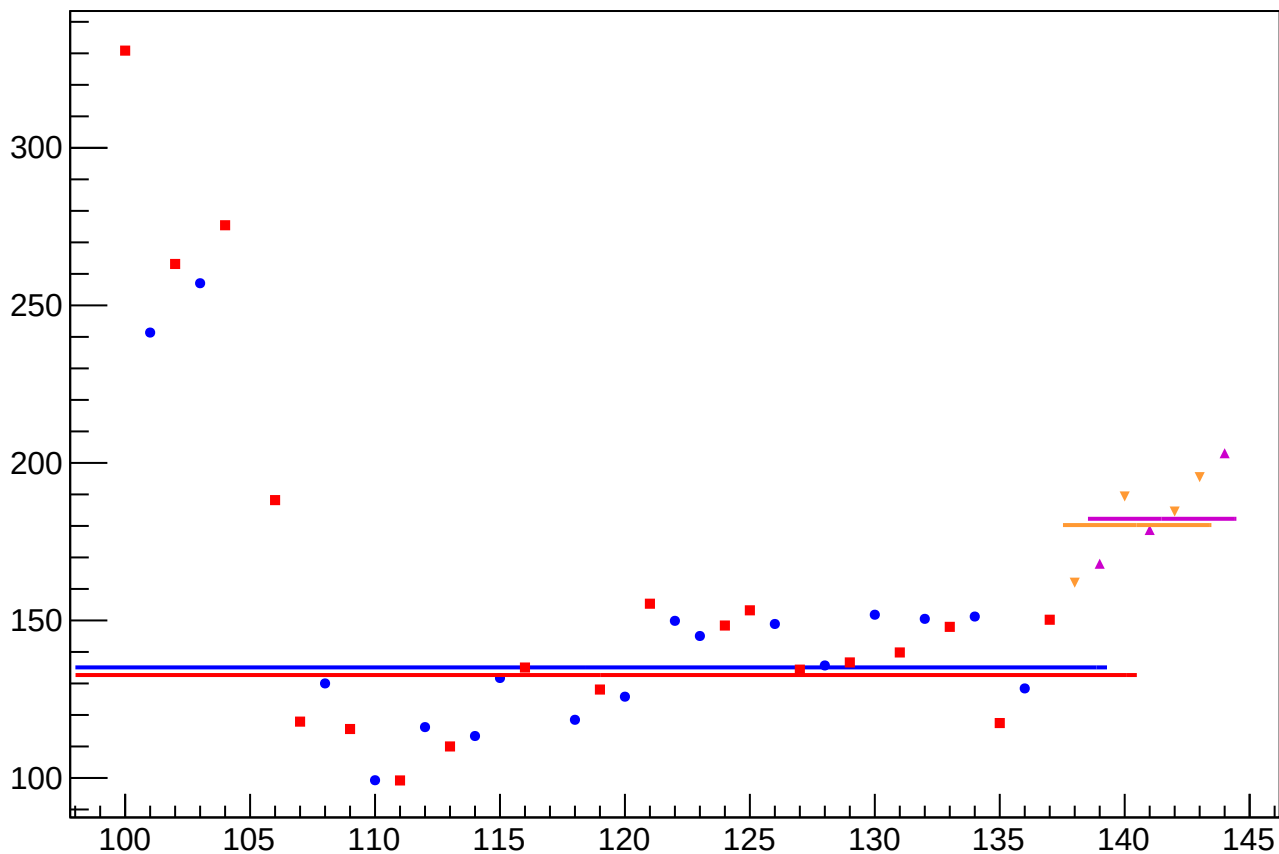
Right: -2279.776+/-37.919 χ^2/NDF : 41972.4/35

In: -1333.519+/-49.872 χ^2/NDF :36432.2/19

Out: -3803.141+/-47.546 χ^2/NDF :11271.2/22

All: -2627.272+/-34.413 χ^2/NDF : 48988.0/42

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 135.099 $\pm$ 0.039 χ^2/NDF : 657657.4/16

Left Out: 180.274 $\pm$ 0.080 χ^2/NDF : 30556.1/3

Right Out: 132.672 $\pm$ 0.037 χ^2/NDF : 828363.1/18

Left In: 182.265 $\pm$ 0.084 χ^2/NDF : 28018.7/2

Left: 181.213 $\pm$ 0.058 χ^2/NDF : 58869.0/6

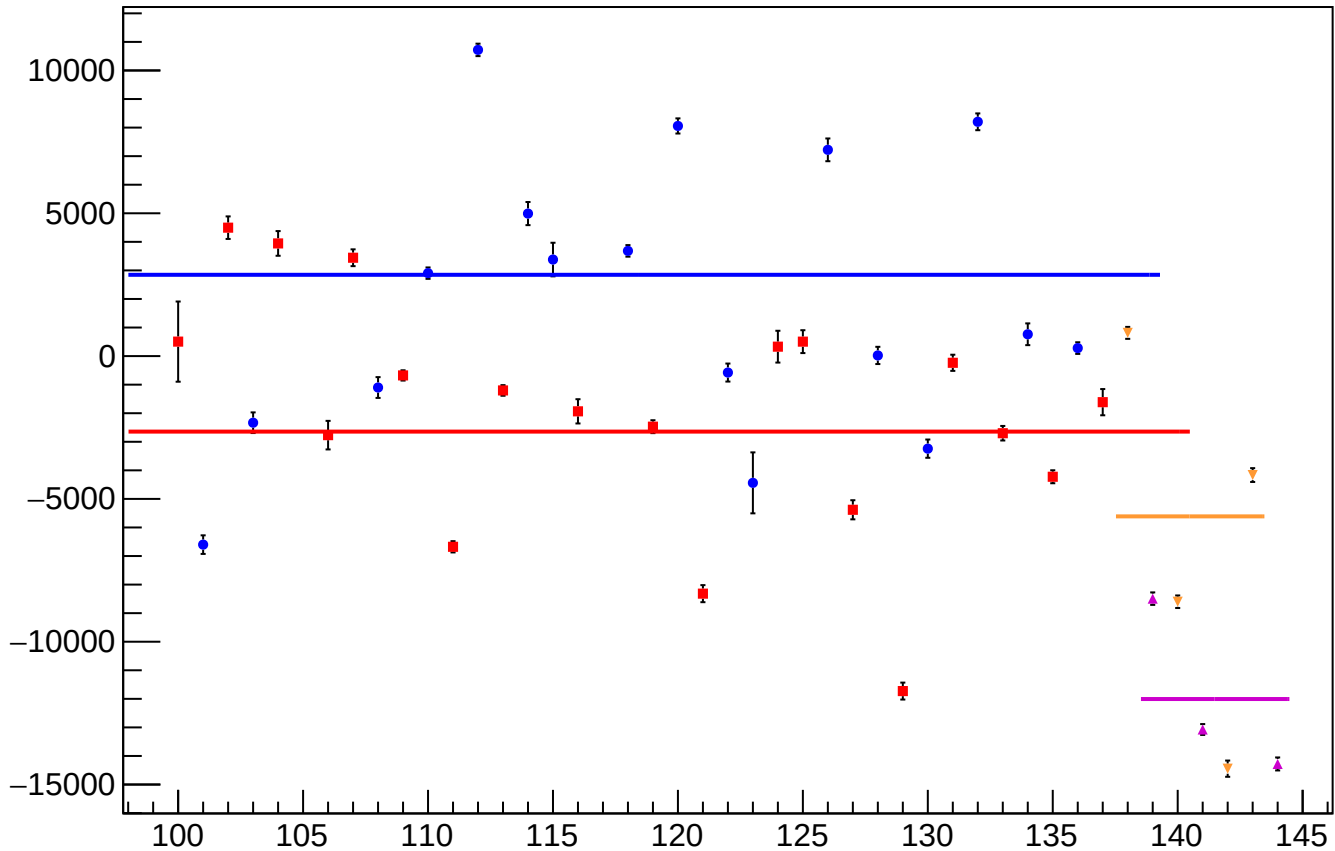
Right: 133.830 $\pm$ 0.027 χ^2/NDF : 1488063.7/35

In: 143.337 $\pm$ 0.035 χ^2/NDF : 943569.8/19

Out: 141.143 $\pm$ 0.034 χ^2/NDF : 1152184.4/22

All: 142.188 $\pm$ 0.024 χ^2/NDF : 2097782.9/42

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2846.117+/-70.894 χ^2/NDF : 4160.1/16

Left Out: -5611.836+/-117.115 χ^2/NDF :2125.5/3

Right Out: -2643.505+/-65.711 χ^2/NDF : 3177.7/18

Left In: -12006.300+/-121.239 χ^2/NDF :390.0/2

Left: -8698.455+/-84.233 χ^2/NDF : 3954.5/6

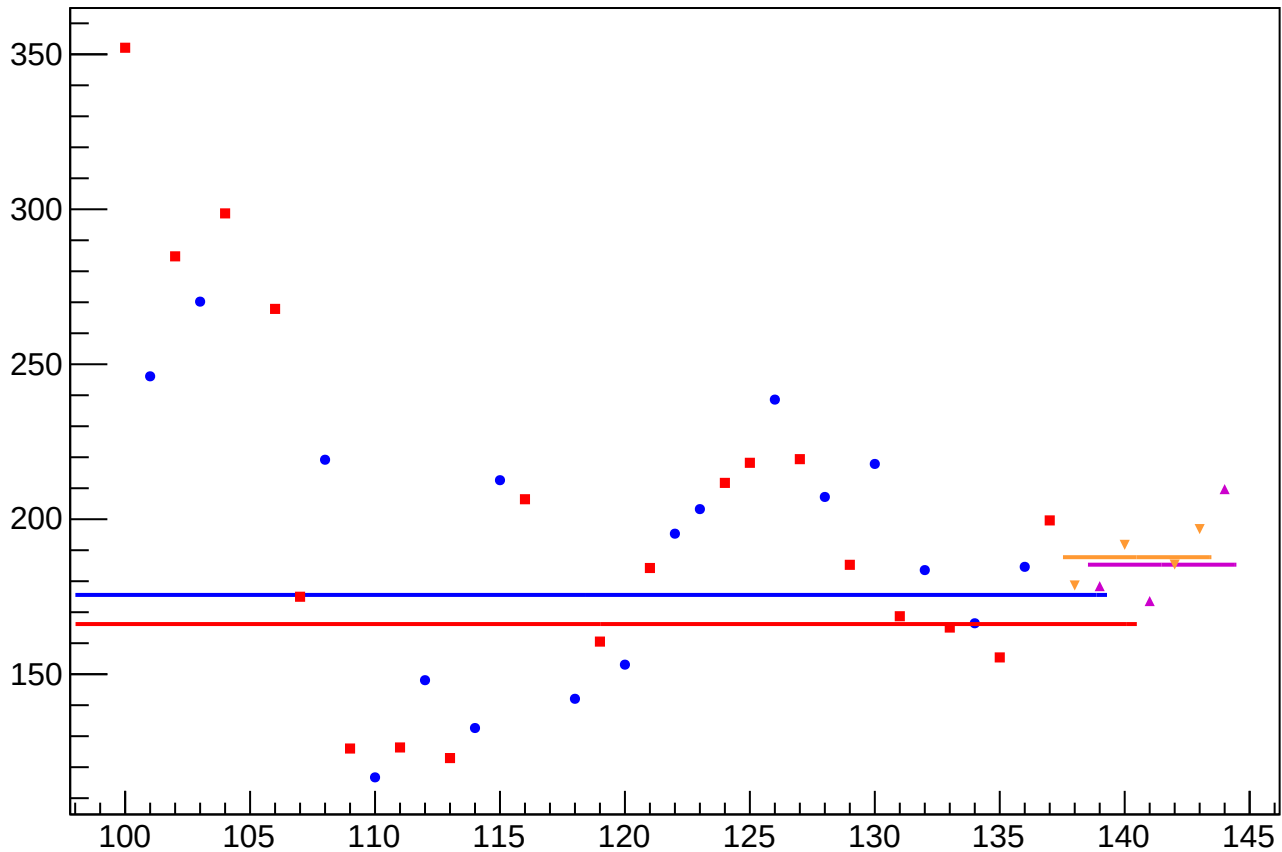
Right: -106.685+/-48.193 χ^2/NDF : 10563.0/35

In: -938.326+/-61.199 χ^2/NDF :15733.6/19

Out: -3354.228+/-57.307 χ^2/NDF :5791.8/22

All: -2225.543+/-41.830 χ^2/NDF : 22355.7/42

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 175.582 $\pm$ 0.050 χ^2/NDF : 687852.4/16

Left Out: 187.753 $\pm$ 0.083 χ^2/NDF : 7392.3/3

Right Out: 166.180 $\pm$ 0.046 χ^2/NDF : 925559.0/18

Left In: 185.335 $\pm$ 0.086 χ^2/NDF : 32624.5/2

Left: 186.586 $\pm$ 0.060 χ^2/NDF : 40428.4/6

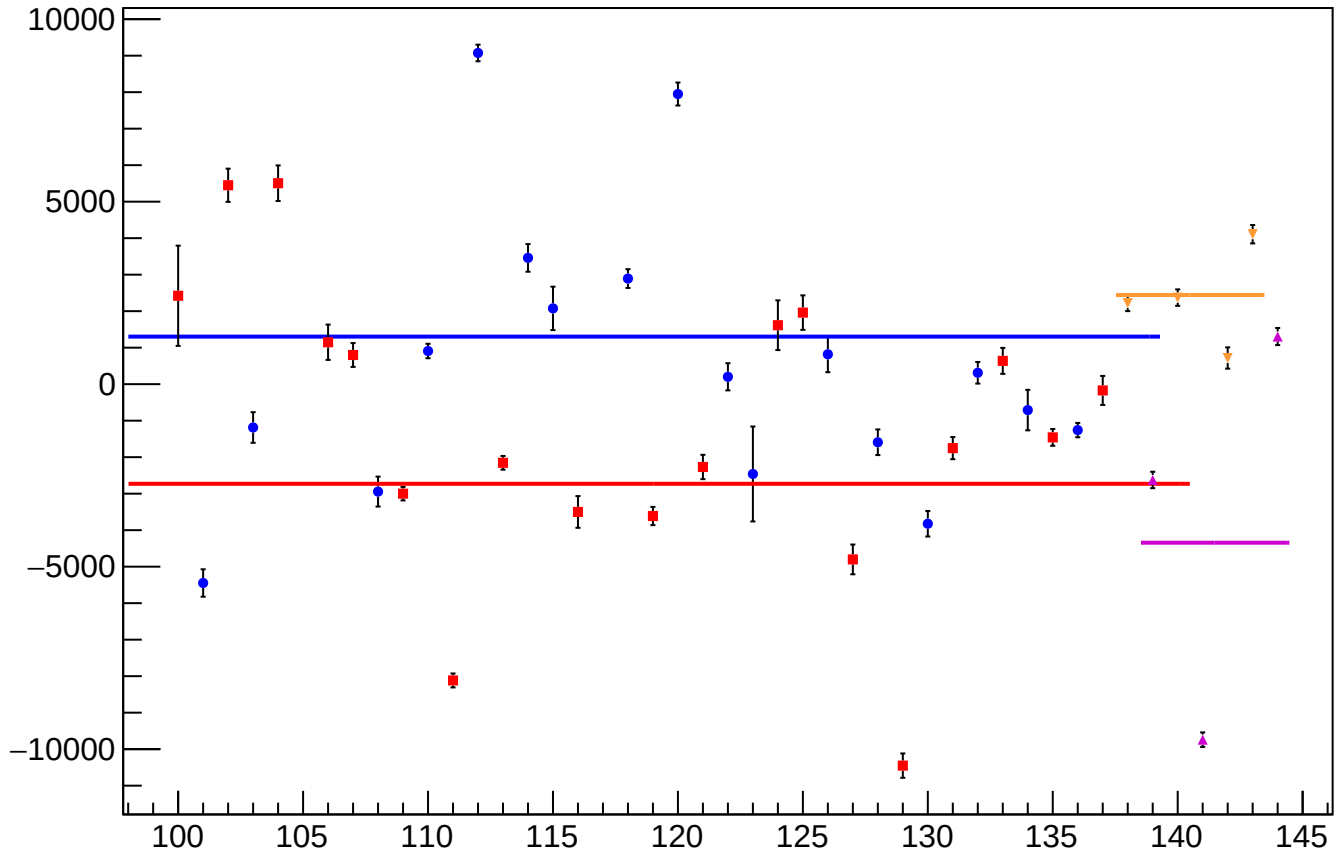
Right: 170.525 $\pm$ 0.034 χ^2/NDF : 1632331.4/35

In: 178.067 $\pm$ 0.043 χ^2/NDF : 730121.3/19

Out: 171.345 $\pm$ 0.041 χ^2/NDF : 984564.5/22

All: 174.486 $\pm$ 0.030 χ^2/NDF : 1727540.0/42

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1302.950+/-77.323 χ^2/NDF : 2649.9/16

Left Out: 2441.628+/-121.521 χ^2/NDF : 79.7/3

Right Out: -2729.355+/-70.012 χ^2/NDF : 2497.2/18

Left In: -4343.484+/-125.923 χ^2/NDF : 1371.6/2

Left: -830.257+/-87.443 χ^2/NDF : 2954.6/6

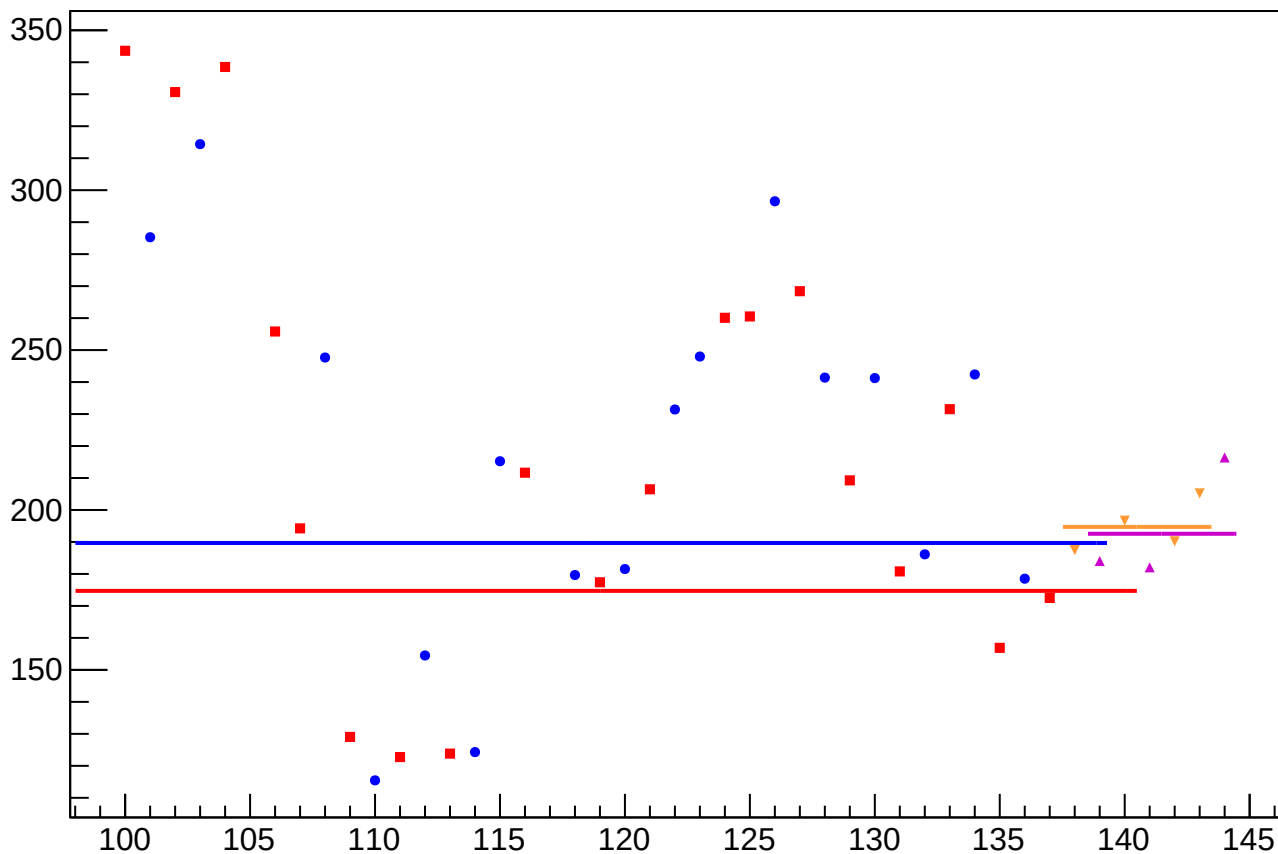
Right: -912.817+/-51.899 χ^2/NDF : 6641.4/35

In: -243.119+/-65.892 χ^2/NDF : 5481.6/19

Out: -1440.721+/-60.664 χ^2/NDF : 3936.3/22

All: -891.311+/-44.630 χ^2/NDF : 9596.6/42

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 189.687 ± 0.055 χ^2/NDF : 977199.2/16

Left Out: 194.709 ± 0.086 χ^2/NDF : 6254.3/3

Right Out: 174.707 ± 0.050 χ^2/NDF : 1291115.5/18

Left In: 192.562 ± 0.089 χ^2/NDF : 29059.4/2

Left: 193.674 ± 0.062 χ^2/NDF : 35614.7/6

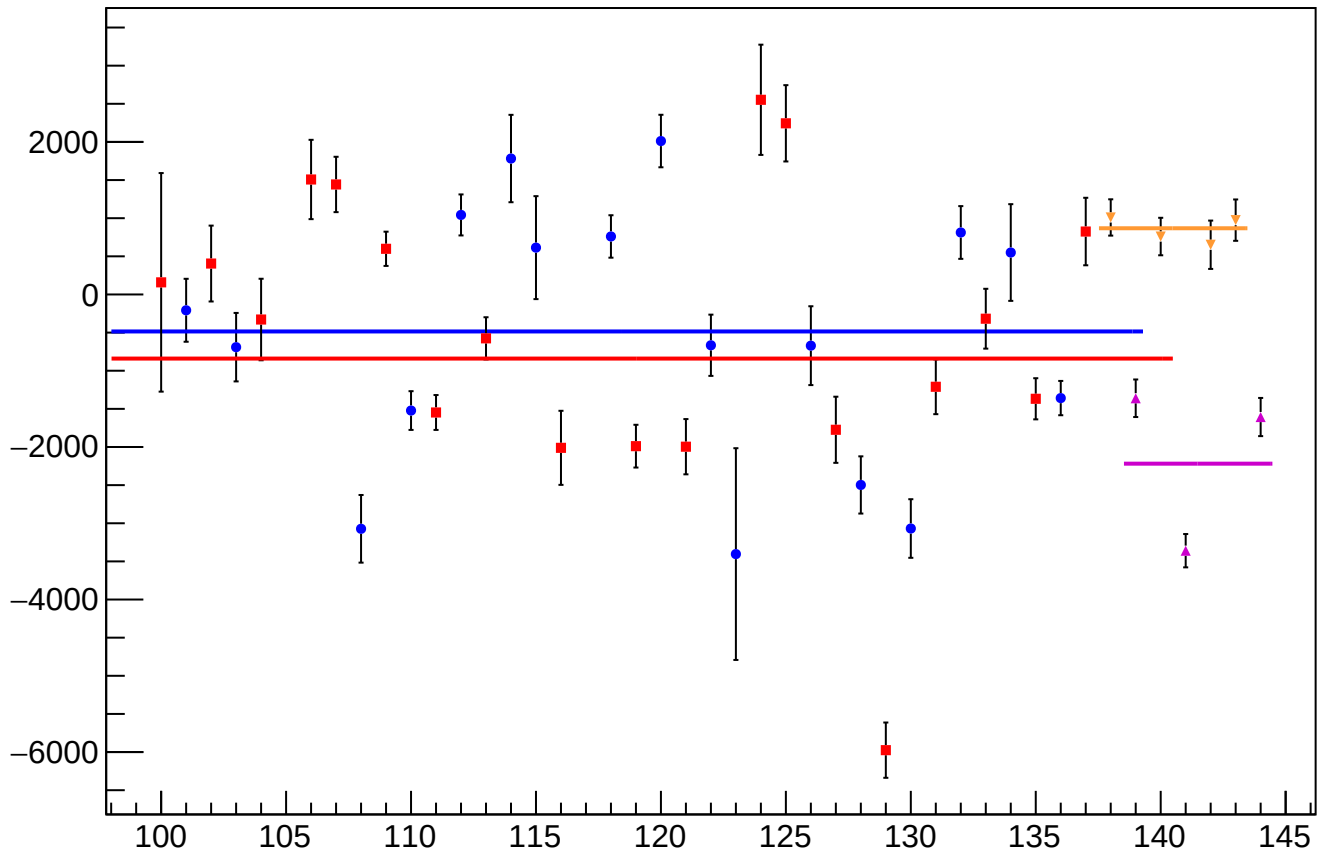
Right: 181.455 ± 0.037 χ^2/NDF : 2309563.7/35

In: 190.474 ± 0.047 χ^2/NDF : 1007015.8/19

Out: 179.692 ± 0.043 χ^2/NDF : 1338053.4/22

All: 184.638 ± 0.032 χ^2/NDF : 2374056.5/42

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -485.036+/-88.788 χ^2/NDF : 285.3/16

Left Out: 868.015+/-131.575 χ^2/NDF :1.2/3

Right Out: -840.594+/-82.233 χ^2/NDF : 438.2/18

Left In: -2218.625+/-136.845 χ^2/NDF :45.4/2

Left: -614.718+/-94.846 χ^2/NDF : 310.9/6

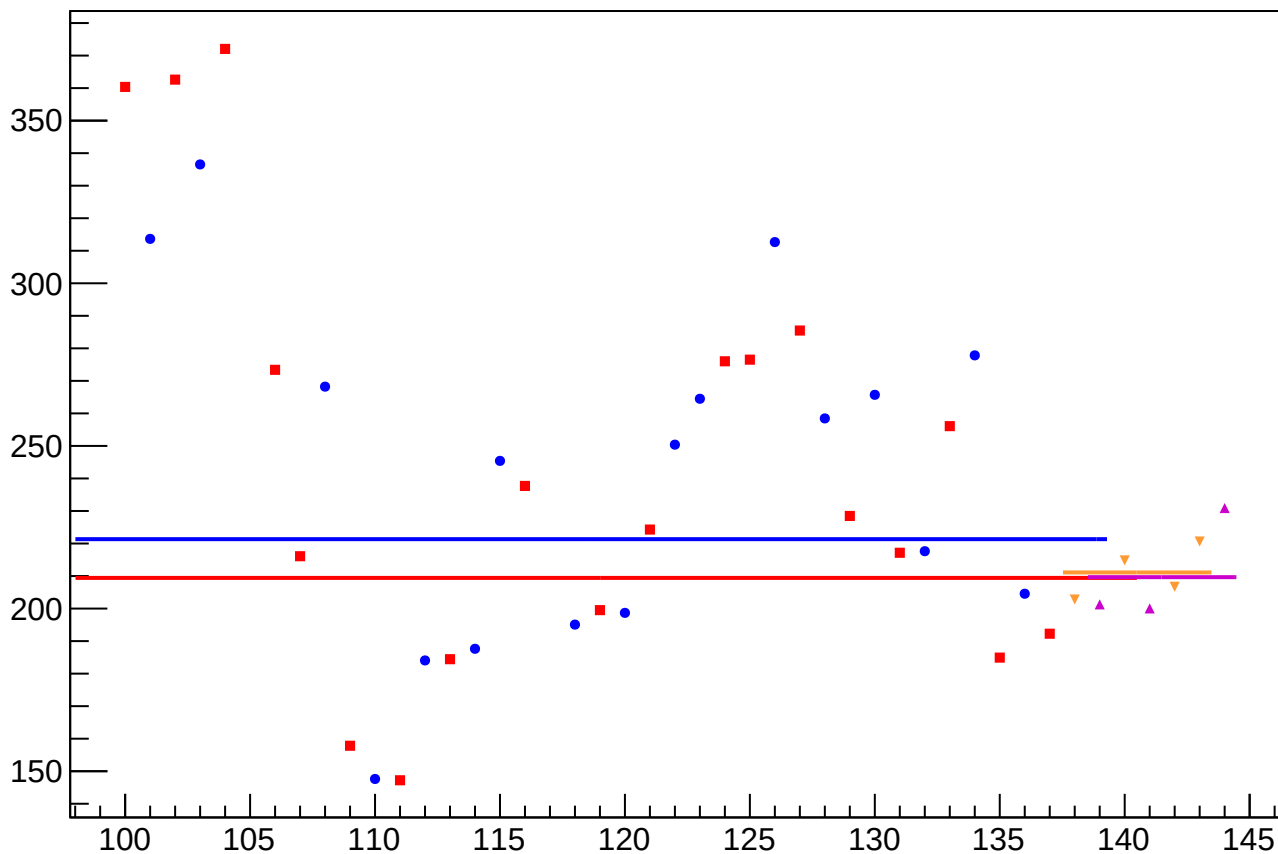
Right: -676.425+/-60.332 χ^2/NDF : 732.1/35

In: -998.622+/-74.484 χ^2/NDF :443.6/19

Out: -360.661+/-69.733 χ^2/NDF :560.7/22

All: -658.649+/-50.906 χ^2/NDF : 1043.4/42

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.339 $\pm$ 0.063 χ^2 /NDF: 645507.4/16

Left Out: 211.105 $\pm$ 0.093 χ^2 /NDF: 5745.0/3

Right Out: 209.428 $\pm$ 0.058 χ^2 /NDF: 879292.0/18

Left In: 209.656 $\pm$ 0.097 χ^2 /NDF: 20582.7/2

Left: 210.409 $\pm$ 0.067 χ^2 /NDF: 26444.3/6

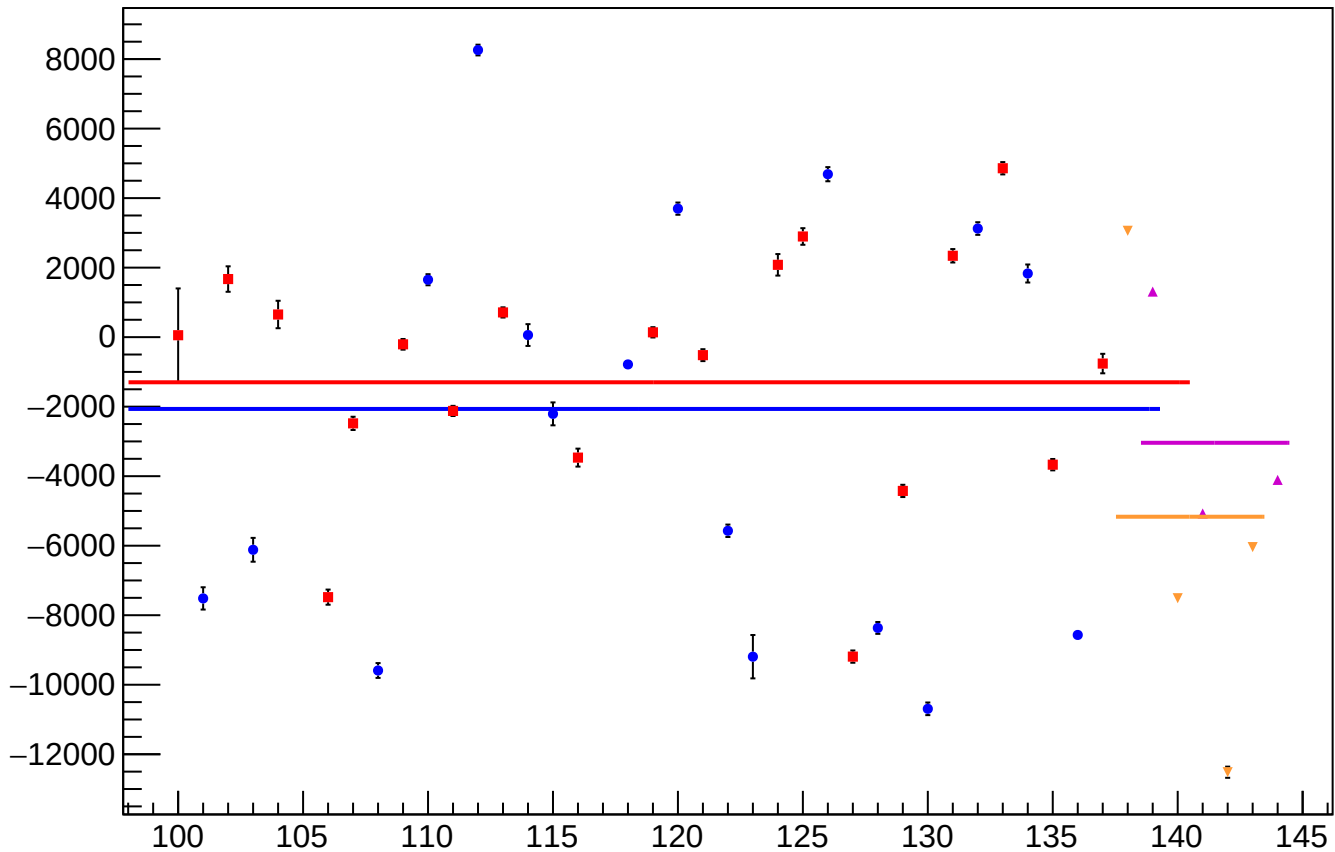
Right: 214.927 $\pm$ 0.043 χ^2 /NDF: 1544173.7/35

In: 217.878 $\pm$ 0.053 χ^2 /NDF: 676349.4/19

Out: 209.899 $\pm$ 0.049 χ^2 /NDF: 885270.6/22

All: 213.626 $\pm$ 0.036 χ^2 /NDF: 1573850.1/42

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2065.524 ± 47.407 $\chi^2/\text{NDF}: 16535.7/16$

Left Out: -5166.521 ± 66.412 $\chi^2/\text{NDF}: 6539.1/3$

Right Out: -1298.632 ± 44.980 $\chi^2/\text{NDF}: 5909.5/18$

Left In: -3039.308 ± 70.162 $\chi^2/\text{NDF}: 1402.6/2$

Left: -4161.278 ± 48.232 $\chi^2/\text{NDF}: 8426.5/6$

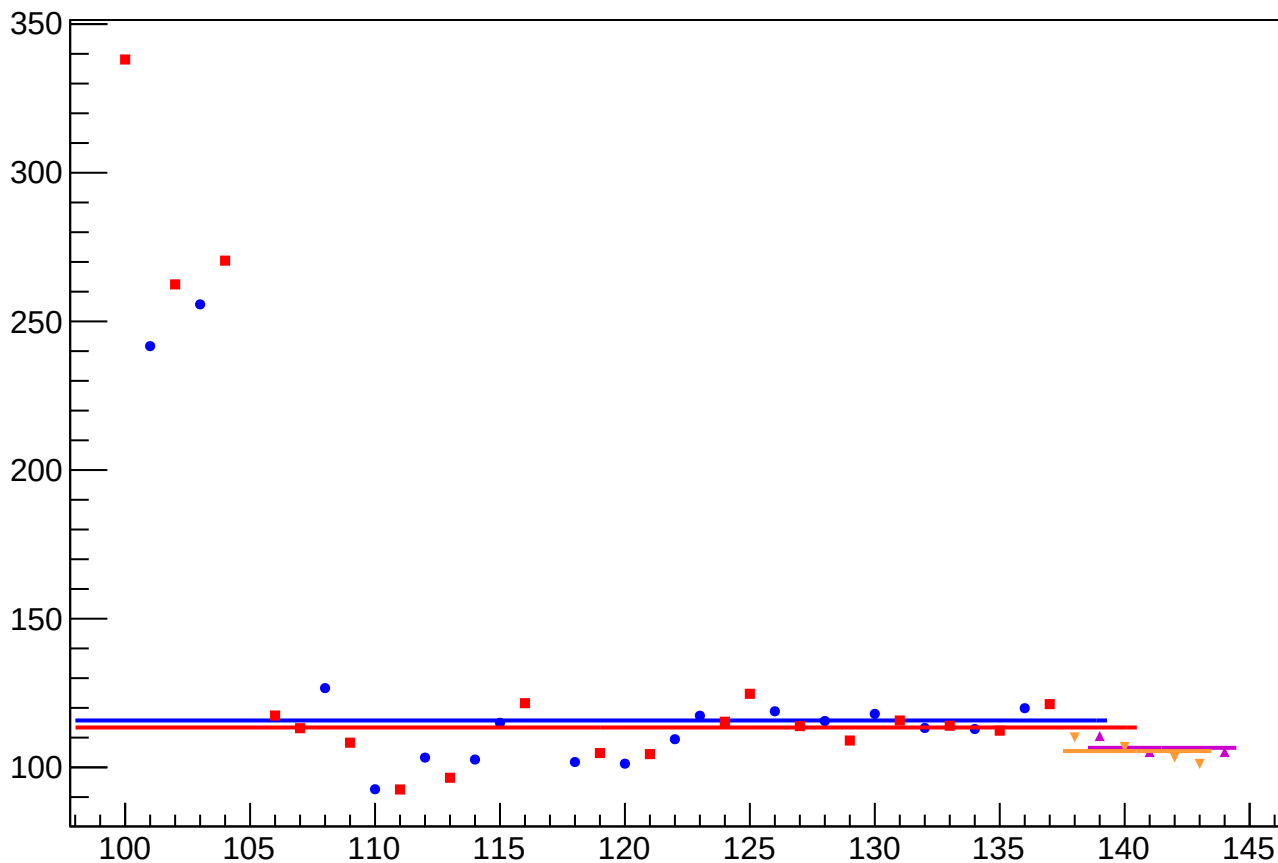
Right: -1661.949 ± 32.630 $\chi^2/\text{NDF}: 22582.8/35$

In: -2370.745 ± 39.281 $\chi^2/\text{NDF}: 18070.5/19$

Out: -2514.953 ± 37.242 $\chi^2/\text{NDF}: 14773.9/22$

All: -2446.688 ± 27.026 $\chi^2/\text{NDF}: 32851.5/42$

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 115.768 ± 0.034 χ^2/NDF : 743657.8/16

Left Out: 105.478 ± 0.047 χ^2/NDF : 5464.3/3

Right Out: 113.410 ± 0.032 χ^2/NDF : 795303.3/18

Left In: 106.564 ± 0.050 χ^2/NDF : 2278.6/2

Left: 105.991 ± 0.034 χ^2/NDF : 7995.5/6

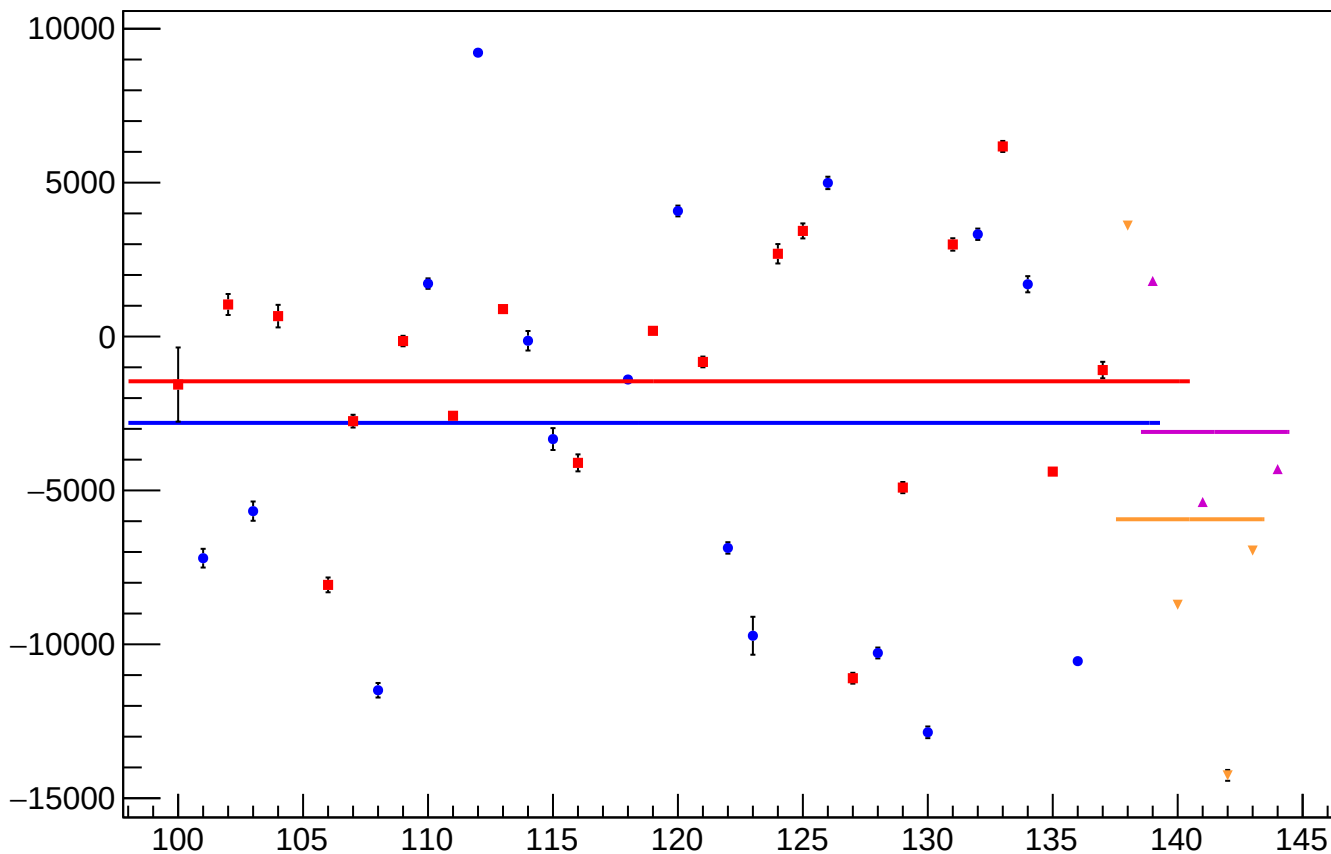
Right: 114.527 ± 0.023 χ^2/NDF : 1541564.1/35

In: 112.883 ± 0.028 χ^2/NDF : 769565.1/19

Out: 110.916 ± 0.026 χ^2/NDF : 820325.6/22

All: 111.847 ± 0.019 χ^2/NDF : 1592532.1/42

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2805.410 $\pm$ 48.358 χ^2/NDF : 21259.6/16

Left Out: -5937.113 $\pm$ 71.100 χ^2/NDF : 7375.2/3

Right Out: -1454.376 $\pm$ 46.372 χ^2/NDF : 8020.2/18

Left In: -3099.730 $\pm$ 75.049 χ^2/NDF : 1576.8/2

Left: -4595.032 $\pm$ 51.615 χ^2/NDF : 9705.3/6

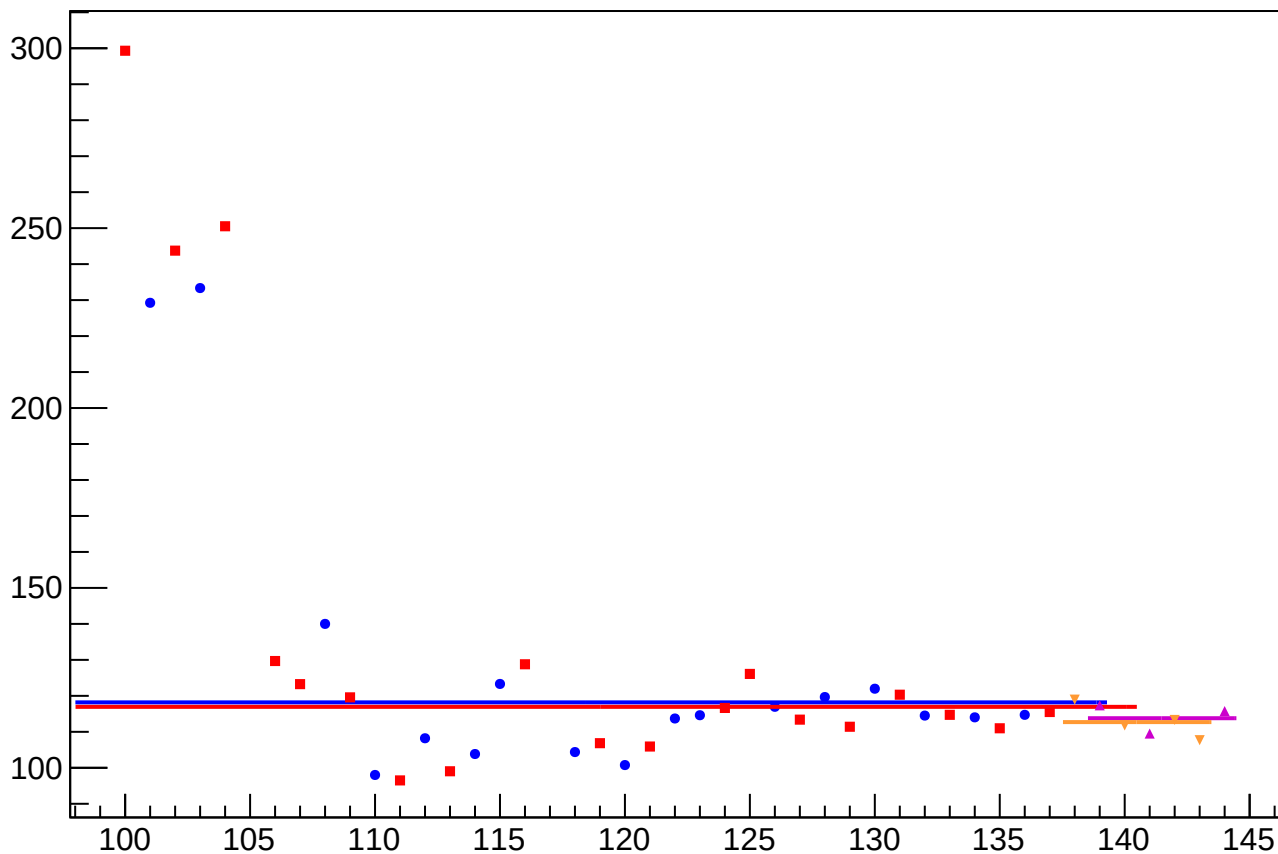
Right: -2101.578 $\pm$ 33.470 χ^2/NDF : 29686.5/35

In: -2891.758 $\pm$ 40.650 χ^2/NDF : 22847.3/19

Out: -2792.159 $\pm$ 38.841 χ^2/NDF : 18184.2/22

All: -2839.693 $\pm$ 28.083 χ^2/NDF : 41034.6/42

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.187 ± 0.034 χ^2/NDF : 636345.5/16

Left Out: 112.705 ± 0.050 χ^2/NDF : 6945.4/3

Right Out: 116.944 ± 0.033 χ^2/NDF : 689368.0/18

Left In: 113.784 ± 0.053 χ^2/NDF : 4185.5/2

Left: 113.215 ± 0.036 χ^2/NDF : 11348.8/6

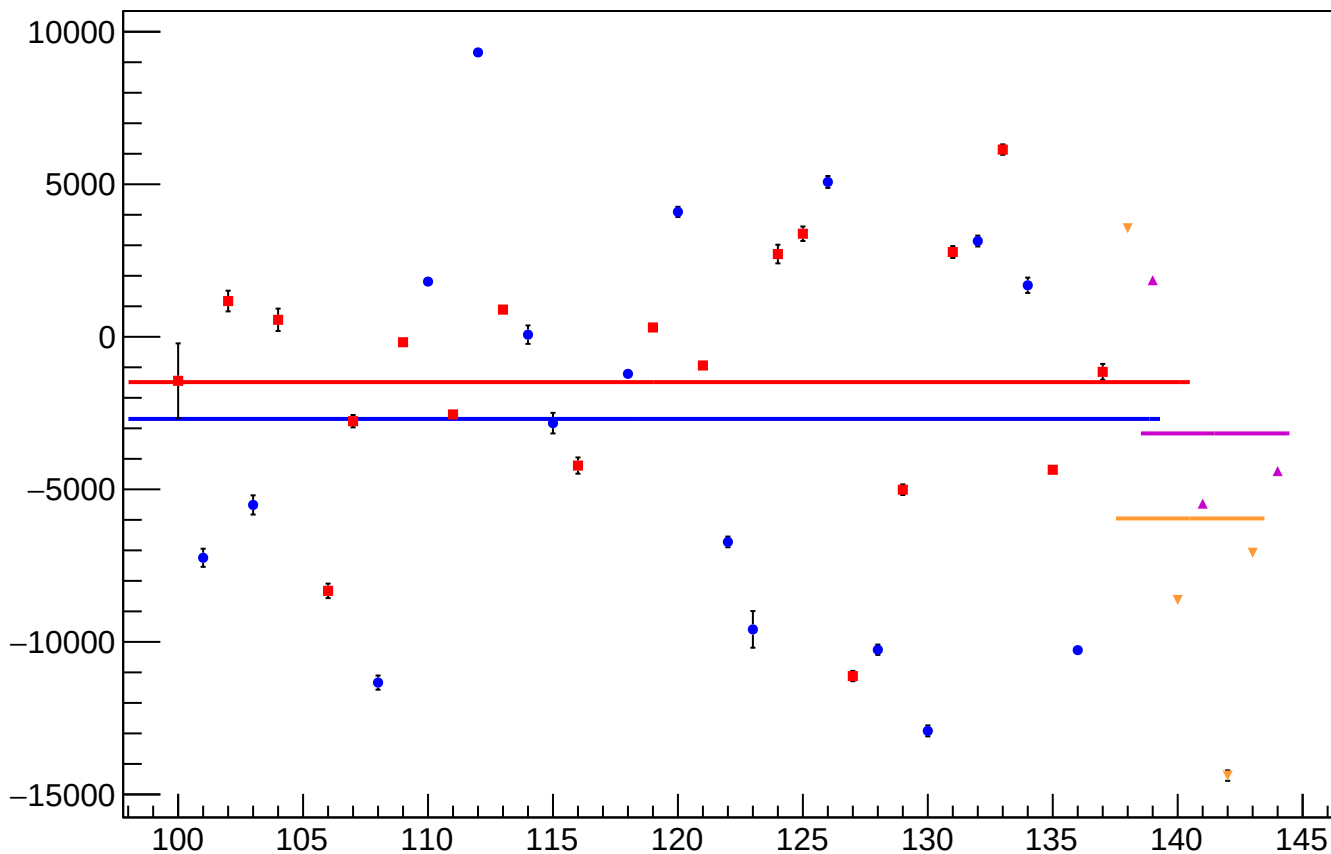
Right: 117.539 ± 0.024 χ^2/NDF : 1326402.5/35

In: 116.895 ± 0.029 χ^2/NDF : 645396.2/19

Out: 115.679 ± 0.027 χ^2/NDF : 701300.6/22

All: 116.259 ± 0.020 χ^2/NDF : 1347633.3/42

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2691.569+/-46.420 χ^2/NDF : 22847.7/16

Left Out: -5954.011+/-68.741 χ^2/NDF : 7924.7/3

Right Out: -1484.889+/-44.421 χ^2/NDF : 8724.0/18

Left In: -3166.669+/-72.386 χ^2/NDF : 1766.6/2

Left: -4632.274+/-49.846 χ^2/NDF : 10470.9/6

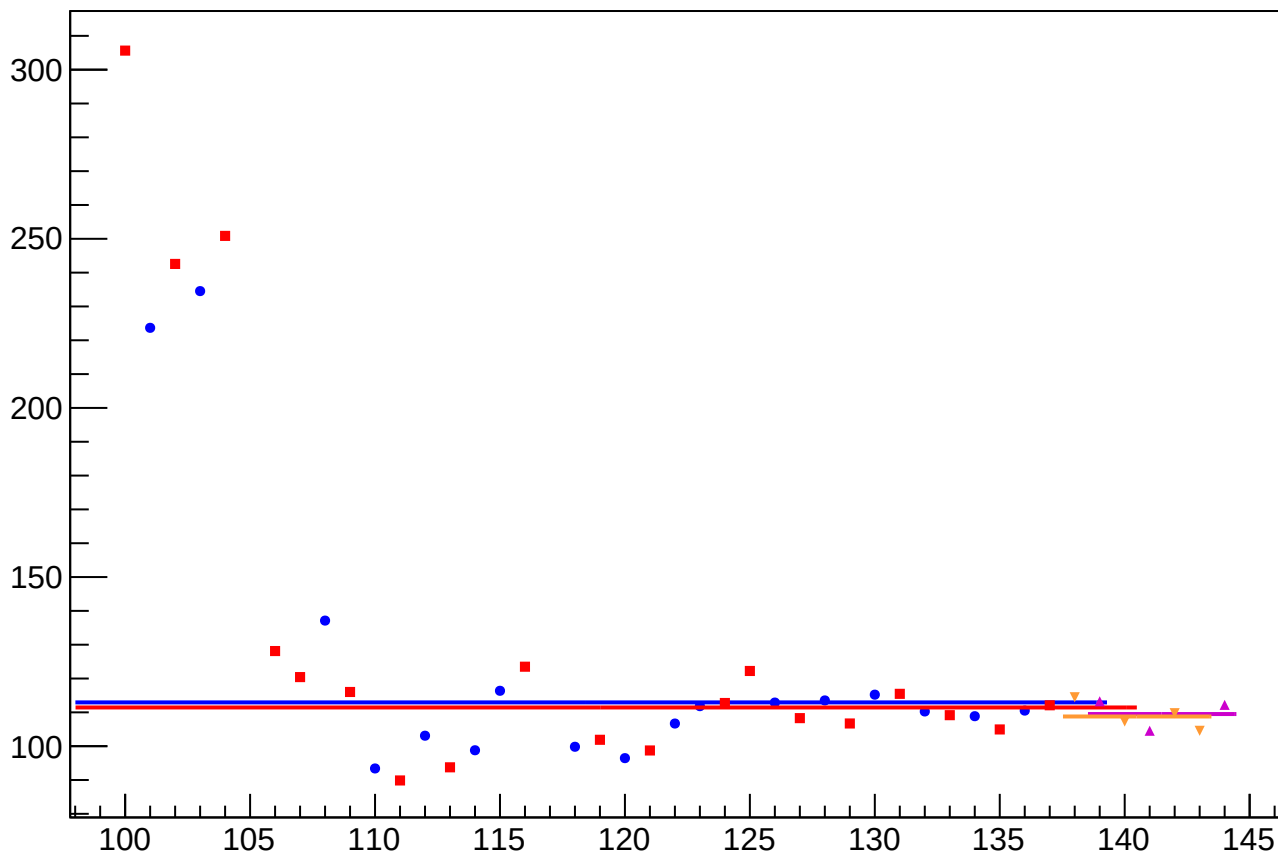
Right: -2061.688+/-32.094 χ^2/NDF : 31924.4/35

In: -2830.014+/-39.075 χ^2/NDF : 24644.8/19

Out: -2801.351+/-37.309 χ^2/NDF : 19630.3/22

All: -2815.020+/-26.984 χ^2/NDF : 44275.4/42

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 112.944 $\pm$ 0.033 χ^2 /NDF: 680438.6/16

Left Out: 108.778 $\pm$ 0.049 χ^2 /NDF: 6031.2/3

Right Out: 111.444 $\pm$ 0.031 χ^2 /NDF: 764132.1/18

Left In: 109.501 $\pm$ 0.051 χ^2 /NDF: 6047.6/2

Left: 109.121 $\pm$ 0.035 χ^2 /NDF: 12183.8/6

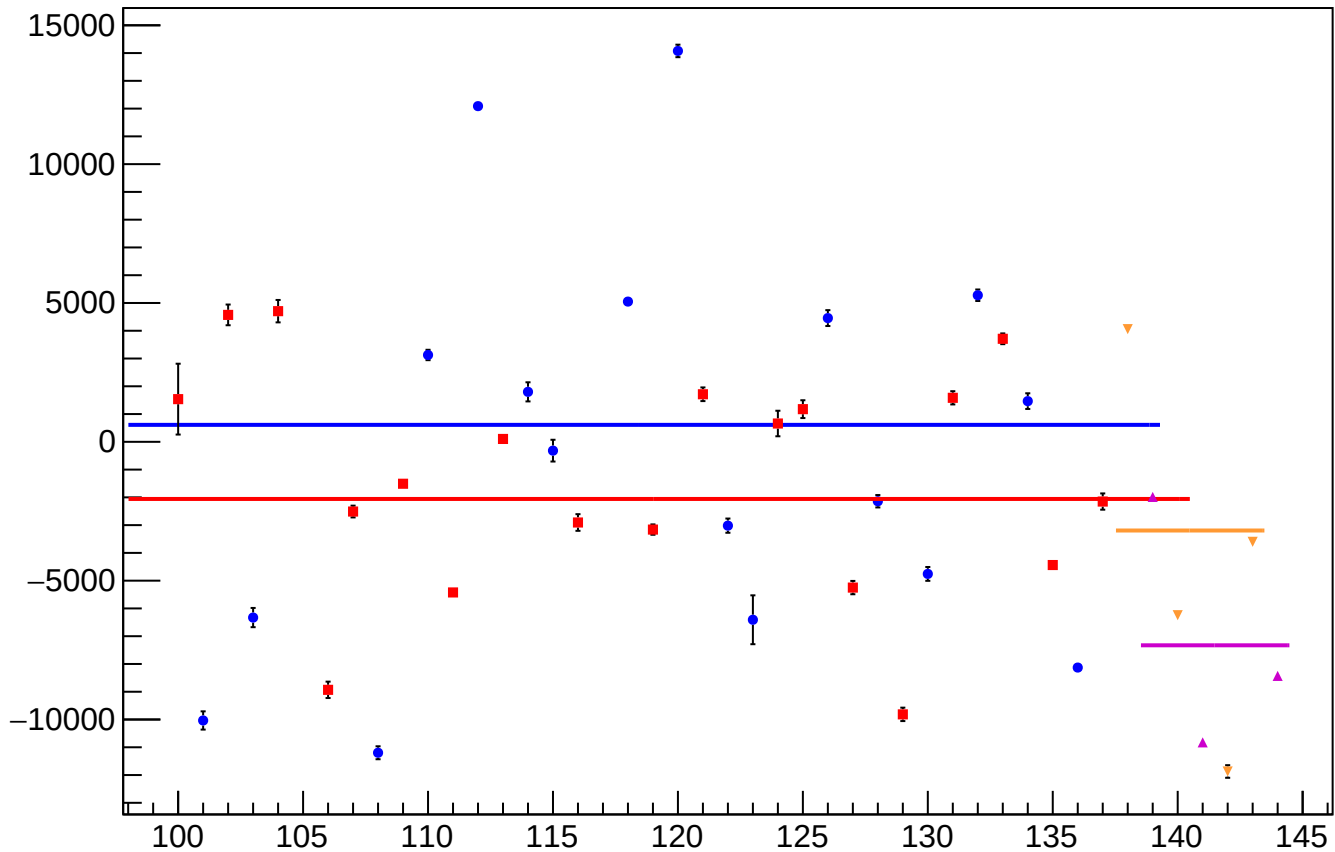
Right: 112.161 $\pm$ 0.023 χ^2 /NDF: 1445660.4/35

In: 111.941 $\pm$ 0.028 χ^2 /NDF: 689691.7/19

Out: 110.659 $\pm$ 0.026 χ^2 /NDF: 772286.0/22

All: 111.270 $\pm$ 0.019 χ^2 /NDF: 1463103.8/42

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 610.939 ± 56.154 $\chi^2/\text{NDF}: 18248.2/16$

Left Out: -3193.601 ± 89.097 $\chi^2/\text{NDF}: 3869.4/3$

Right Out: -2057.548 ± 53.904 $\chi^2/\text{NDF}: 4649.5/18$

Left In: -7327.792 ± 95.870 $\chi^2/\text{NDF}: 1478.1/2$

Left: -5109.530 ± 65.264 $\chi^2/\text{NDF}: 6345.3/6$

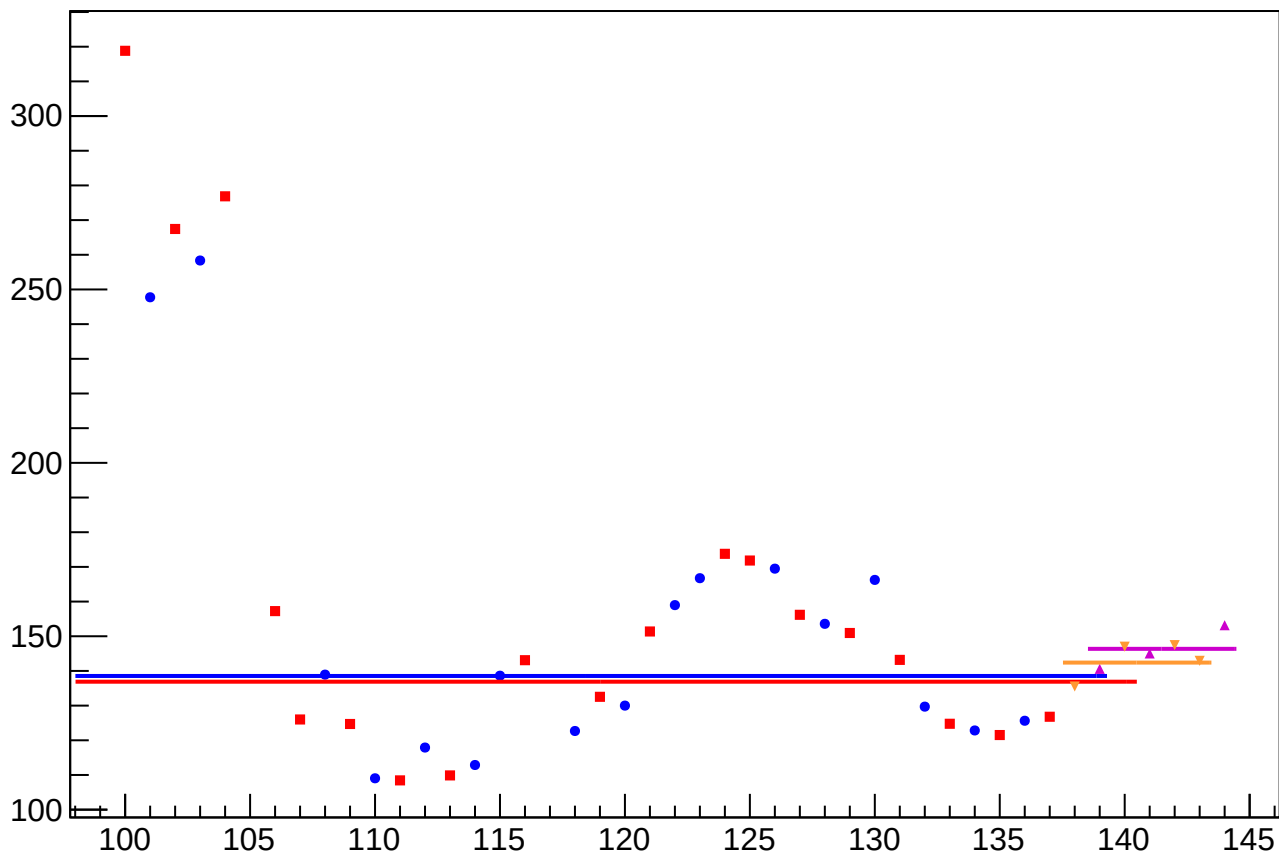
Right: -777.832 ± 38.887 $\chi^2/\text{NDF}: 24073.0/35$

In: -1416.957 ± 48.454 $\chi^2/\text{NDF}: 24831.8/19$

Out: -2361.954 ± 46.120 $\chi^2/\text{NDF}: 8637.9/22$

All: -1912.759 ± 33.406 $\chi^2/\text{NDF}: 33669.3/42$

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 138.549 $\pm$ 0.040 χ^2 /NDF: 667663.4/16

Left Out: 142.406 $\pm$ 0.063 χ^2 /NDF: 6218.1/3

Right Out: 136.895 $\pm$ 0.038 χ^2 /NDF: 751443.4/18

Left In: 146.370 $\pm$ 0.068 χ^2 /NDF: 5687.5/2

Left: 144.243 $\pm$ 0.046 χ^2 /NDF: 13740.3/6

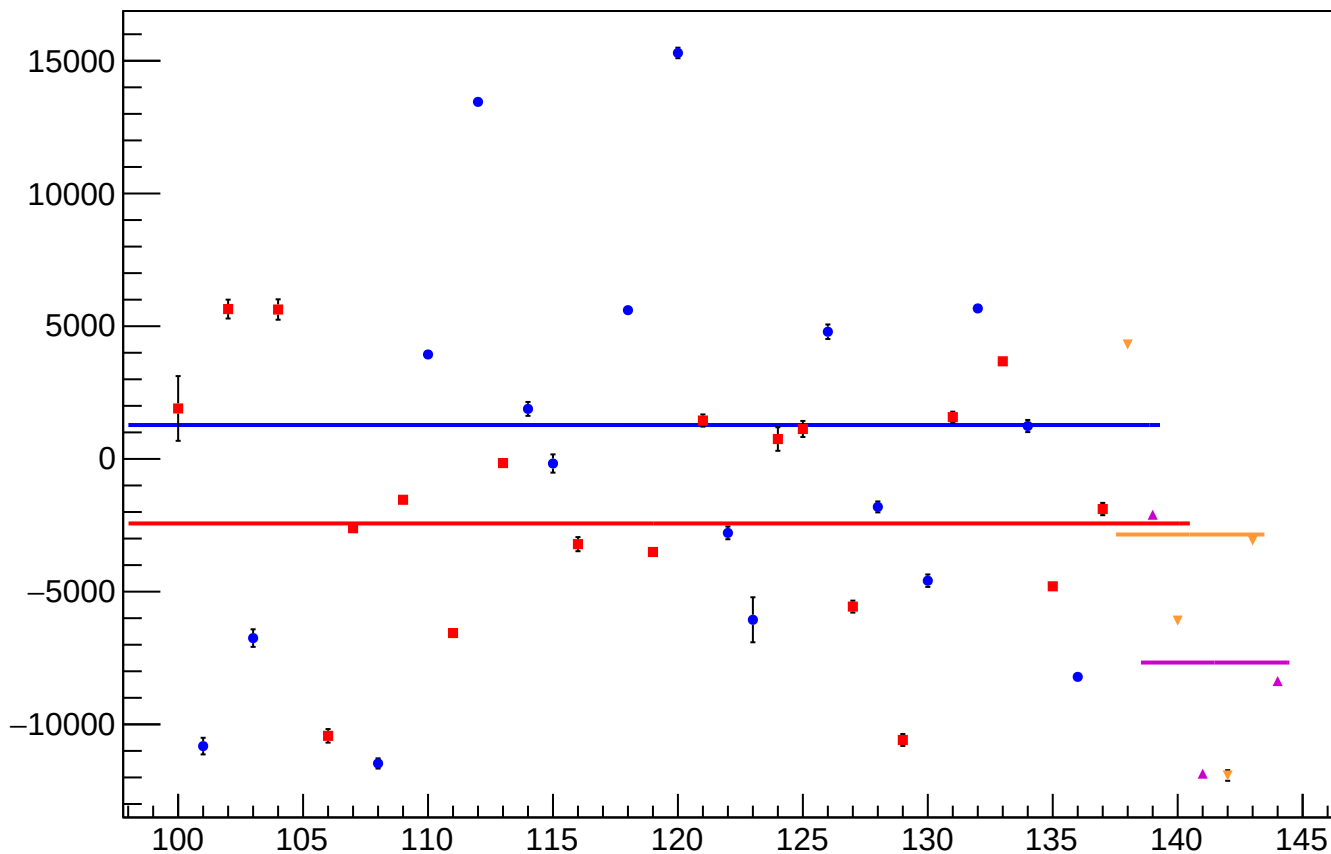
Right: 137.688 $\pm$ 0.027 χ^2 /NDF: 1420010.0/35

In: 140.547 $\pm$ 0.034 χ^2 /NDF: 683261.5/19

Out: 138.372 $\pm$ 0.033 χ^2 /NDF: 763263.3/22

All: 139.406 $\pm$ 0.024 χ^2 /NDF: 1448639.6/42

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1277.751+/-46.646 χ^2/NDF : 30549.2/16

Left Out: -2847.230+/-77.739 χ^2/NDF : 5293.3/3

Right Out: -2430.297+/-44.264 χ^2/NDF : 7696.9/18

Left In: -7671.277+/-83.788 χ^2/NDF : 2362.3/2

Left: -5078.855+/-56.989 χ^2/NDF : 9437.0/6

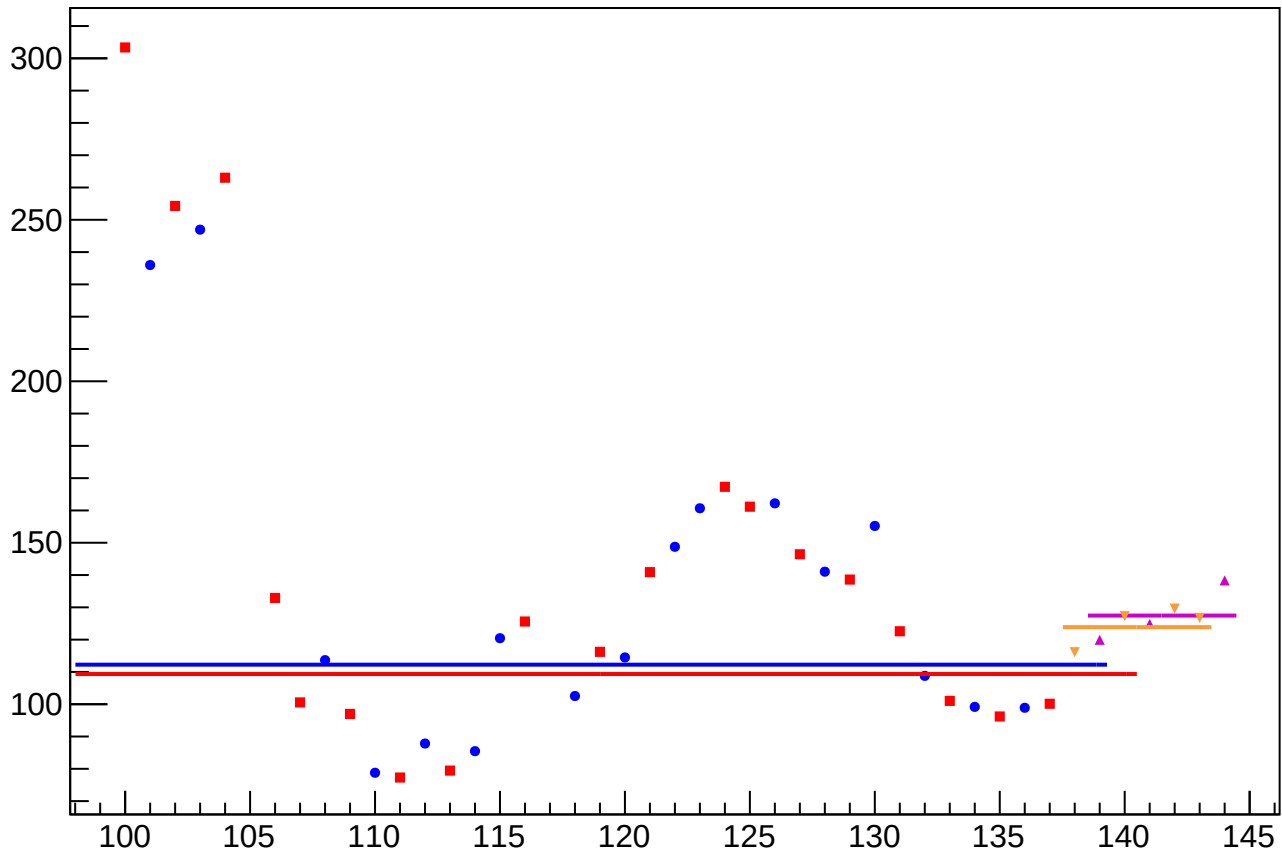
Right: -673.335+/-32.109 χ^2/NDF : 41571.1/35

In: -839.569+/-40.756 χ^2/NDF : 41619.9/19

Out: -2532.376+/-38.466 χ^2/NDF : 13011.9/22

All: -1734.860+/-27.974 χ^2/NDF : 55544.2/42

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 112.247 $\pm$ 0.033 χ^2/NDF : 1123602.1/16

Left Out: 123.867 $\pm$ 0.055 χ^2/NDF : 9857.2/3

Right Out: 109.351 $\pm$ 0.031 χ^2/NDF : 1263029.6/18

Left In: 127.451 $\pm$ 0.059 χ^2/NDF : 16199.0/2

Left: 125.525 $\pm$ 0.040 χ^2/NDF : 28022.9/6

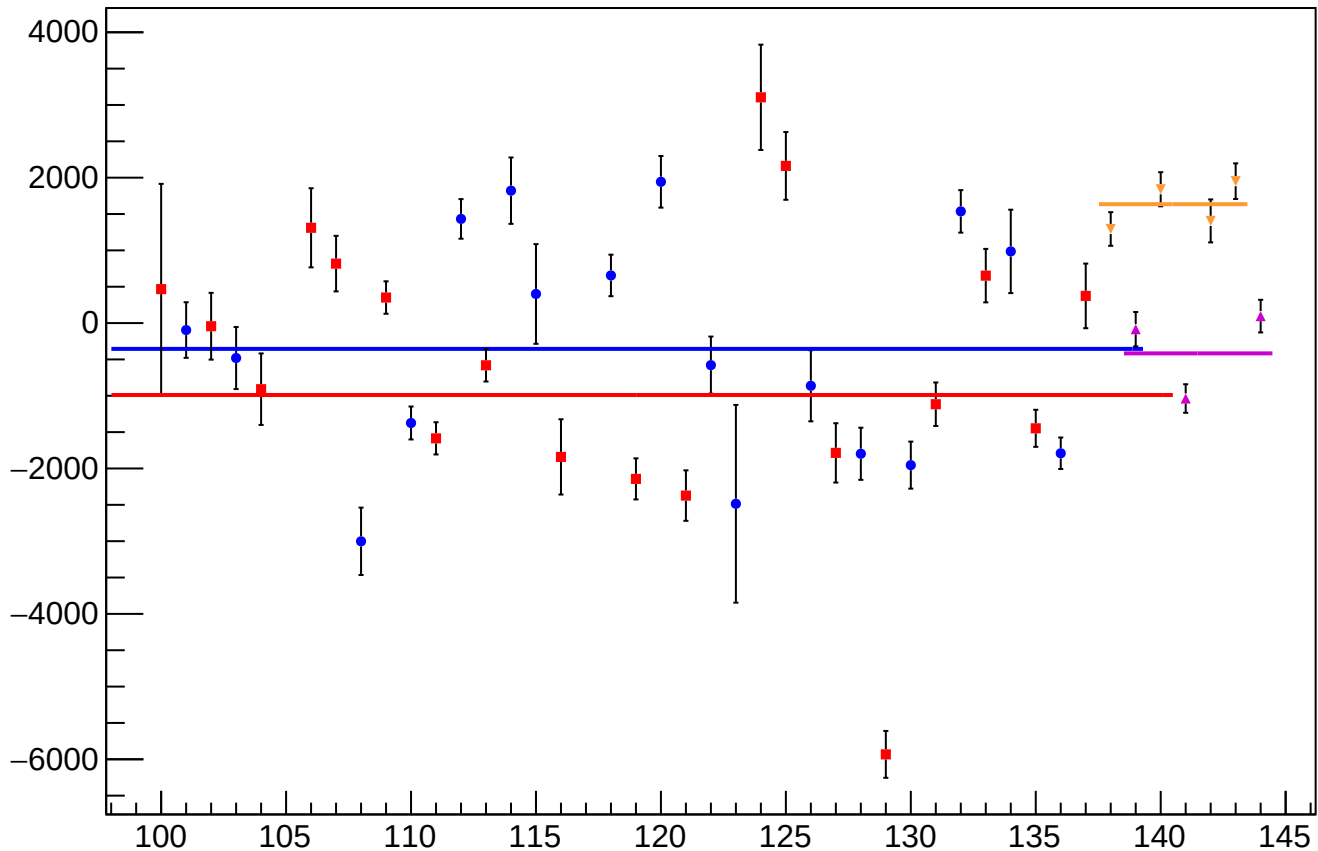
Right: 110.723 $\pm$ 0.023 χ^2/NDF : 2390689.7/35

In: 115.844 $\pm$ 0.029 χ^2/NDF : 1190069.6/19

Out: 112.905 $\pm$ 0.027 χ^2/NDF : 1325545.8/22

All: 114.290 $\pm$ 0.020 χ^2/NDF : 2521118.7/42

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Left: 619.109 ± 88.147 $\chi^2/\text{NDF}: 157.9/6$

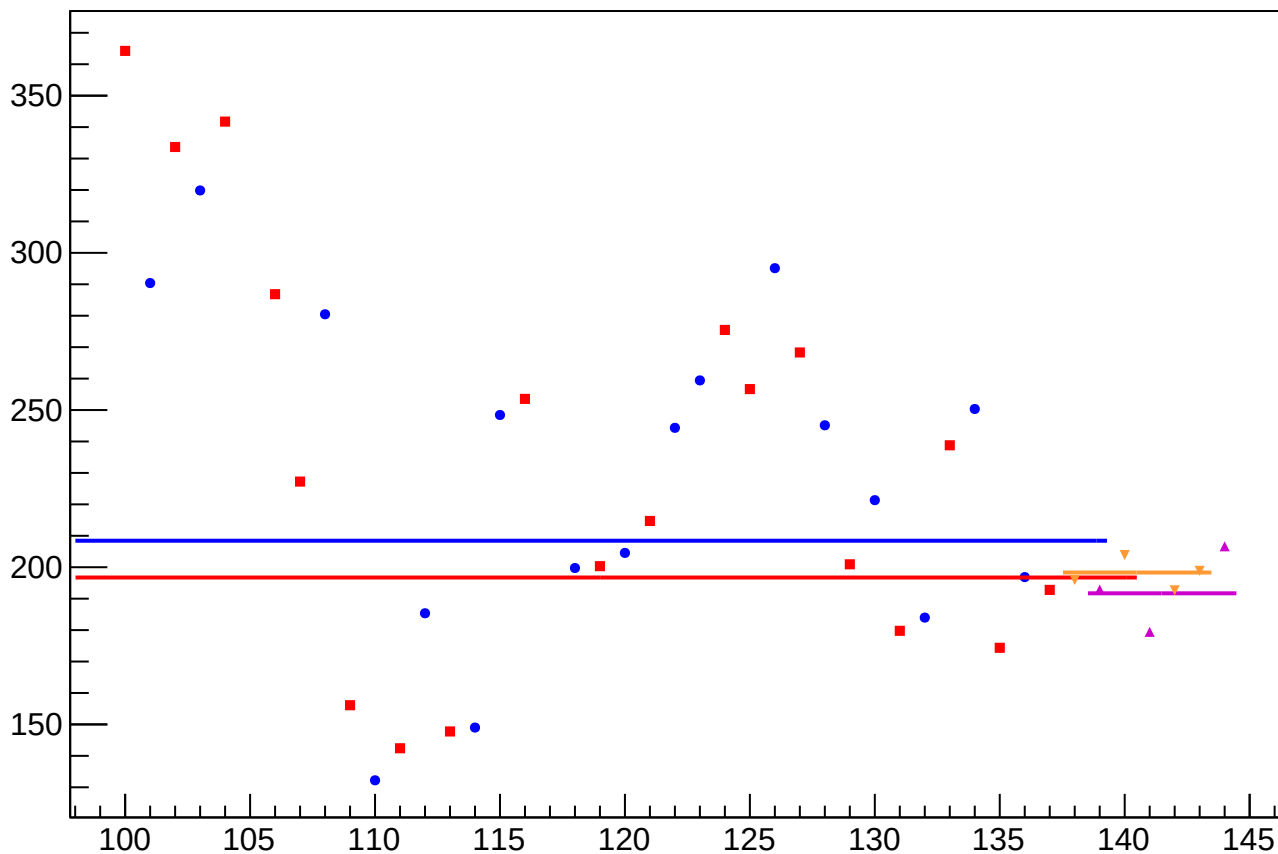
Right: -696.988 ± 57.026 $\chi^2/\text{NDF}: 818.5/35$

In: -374.144 ± 69.775 $\chi^2/\text{NDF}: 328.0/19$

Out: -250.424 ± 65.822 $\chi^2/\text{NDF}: 804.0/22$

All: -308.681 ± 47.880 $\chi^2/\text{NDF}: 1133.6/42$

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.429 $\pm$ 0.059 χ^2/NDF : 696957.4/16

Left Out: 198.319 $\pm$ 0.088 χ^2/NDF : 2081.6/3

Right Out: 196.731 $\pm$ 0.055 χ^2/NDF : 925461.3/18

Left In: 191.705 $\pm$ 0.089 χ^2/NDF : 16732.9/2

Left: 195.044 $\pm$ 0.062 χ^2/NDF : 21629.4/6

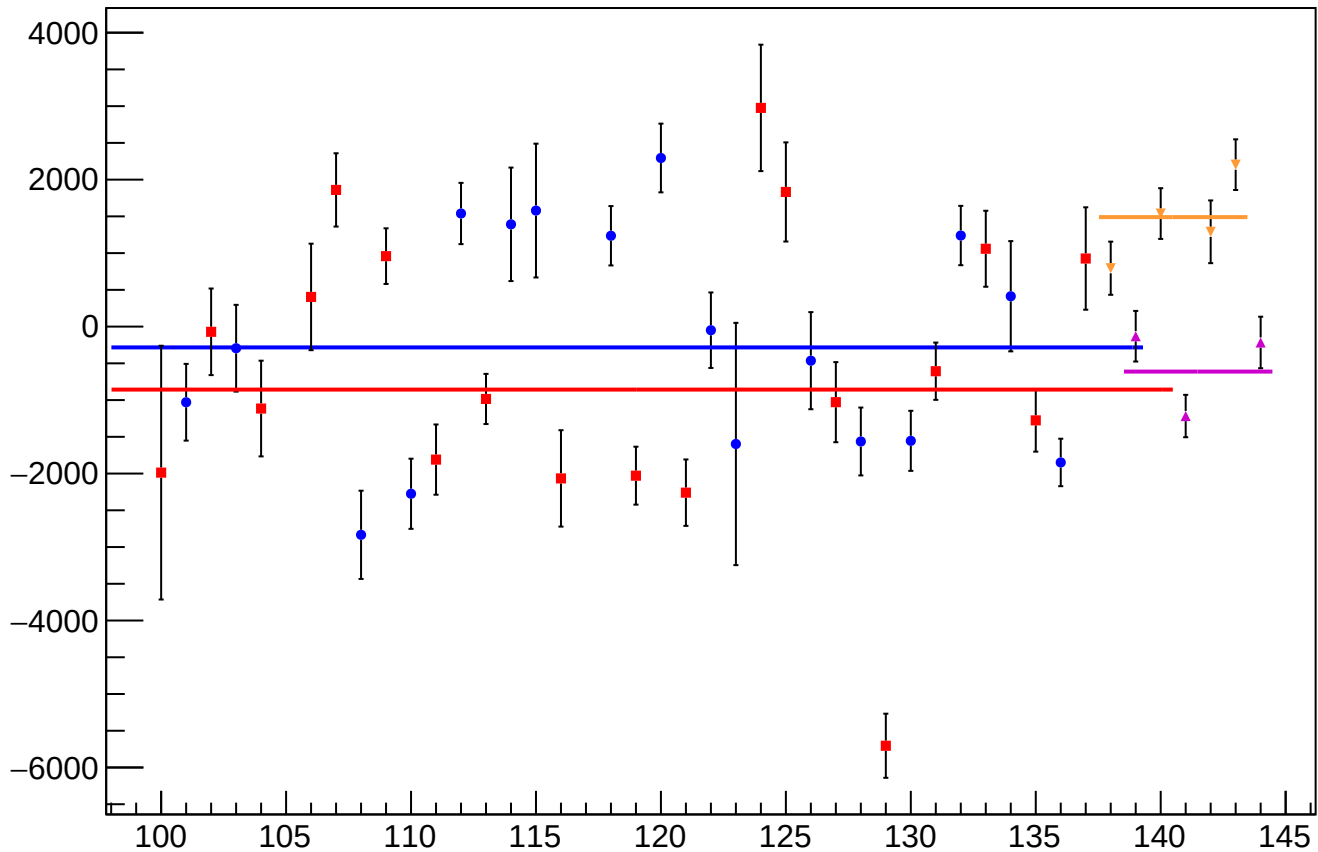
Right: 202.120 $\pm$ 0.040 χ^2/NDF : 1643330.9/35

In: 203.240 $\pm$ 0.049 χ^2/NDF : 738278.9/19

Out: 197.178 $\pm$ 0.047 χ^2/NDF : 927778.6/22

All: 200.032 $\pm$ 0.034 χ^2/NDF : 1674046.0/42

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -283.146+/-121.564 χ^2/NDF : 166.9/16

Left Out: 1489.941+/-182.759 χ^2/NDF : 8.2/3

Right Out: -857.162+/-115.341 χ^2/NDF : 265.0/18

Left In: -612.138+/-187.057 χ^2/NDF : 7.6/2

Left: 463.329+/-130.723 χ^2/NDF : 80.5/6

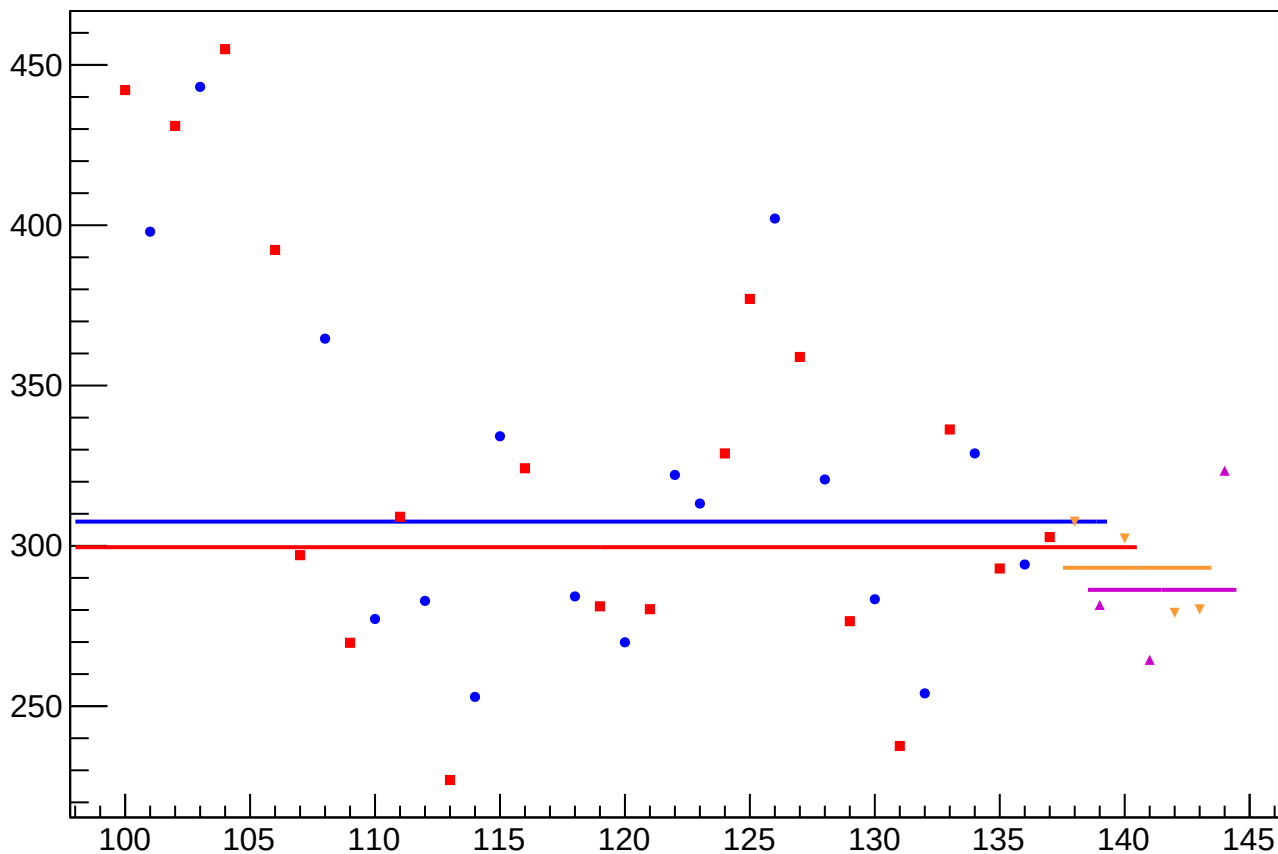
Right: -585.220+/-83.672 χ^2/NDF : 443.7/35

In: -380.835+/-101.930 χ^2/NDF : 176.7/19

Out: -188.595+/-97.540 χ^2/NDF : 391.2/22

All: -280.486+/-70.472 χ^2/NDF : 569.8/42

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 307.566 $\pm$ 0.086 χ^2/NDF : 321522.0/16

Left Out: 293.175 $\pm$ 0.129 χ^2/NDF : 9549.8/3

Right Out: 299.577 $\pm$ 0.082 χ^2/NDF : 493549.3/18

Left In: 286.283 $\pm$ 0.132 χ^2/NDF : 34280.3/2

Left: 289.809 $\pm$ 0.092 χ^2/NDF : 45219.0/6

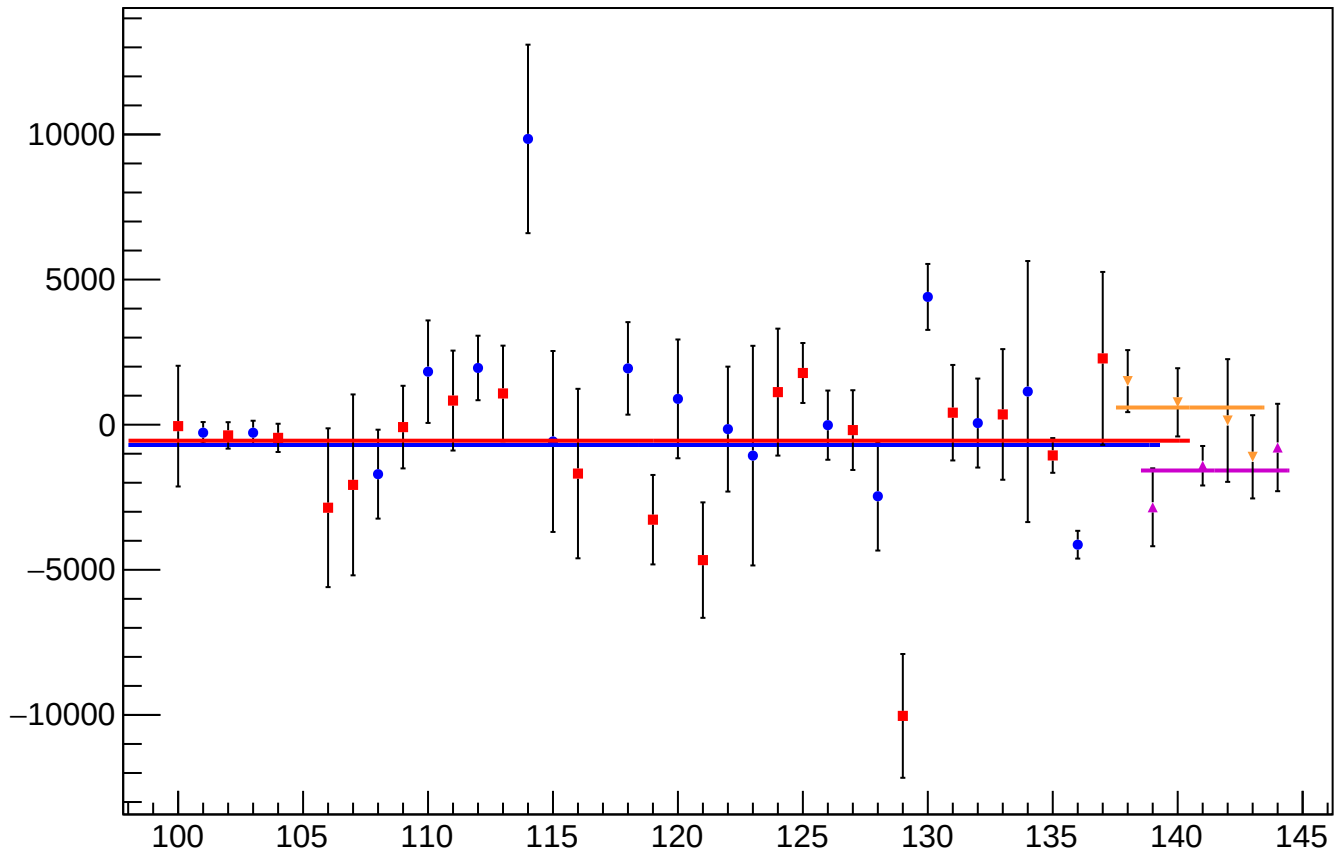
Right: 303.362 $\pm$ 0.059 χ^2/NDF : 819617.4/35

In: 301.247 $\pm$ 0.072 χ^2/NDF : 374005.7/19

Out: 297.753 $\pm$ 0.069 χ^2/NDF : 504854.4/22

All: 299.423 $\pm$ 0.050 χ^2/NDF : 880086.3/42

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -699.406+/-210.504 χ^2/NDF : 97.9/16

Left Out: 591.783+/-657.950 χ^2/NDF : 2.2/3

Right Out: -551.457+/-243.420 χ^2/NDF : 38.1/18

Left In: -1578.154+/-562.945 χ^2/NDF : 1.2/2

Left: -661.024+/-427.745 χ^2/NDF : 9.7/6

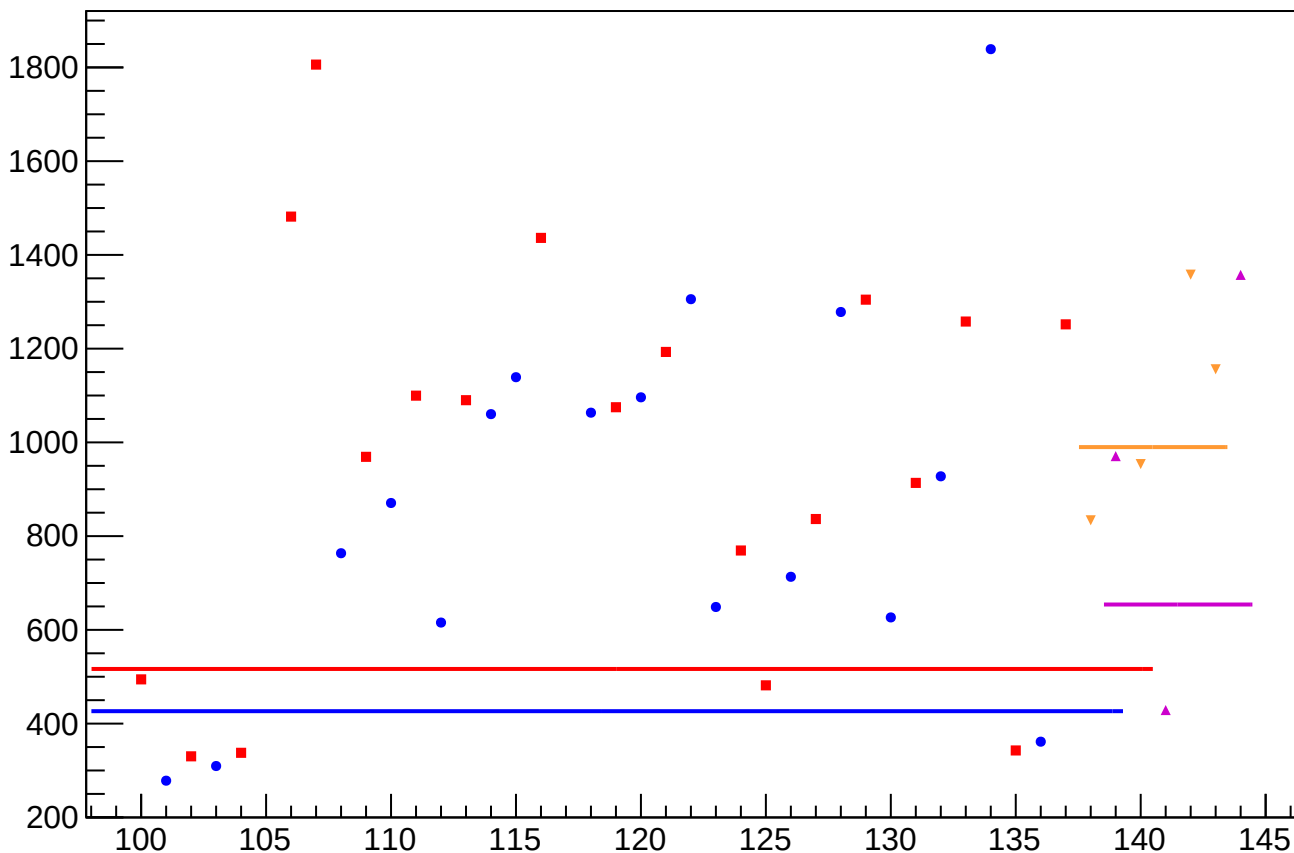
Right: -636.104+/-159.224 χ^2/NDF : 136.3/35

In: -807.205+/-197.170 χ^2/NDF : 101.3/19

Out: -413.814+/-228.297 χ^2/NDF : 43.0/22

All: -639.137+/-149.221 χ^2/NDF : 146.0/42

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 426.522 $\pm$ 0.149 χ^2/NDF : 2863074.2/16

Left Out: 989.946 $\pm$ 0.465 χ^2/NDF :132036.7/3

Right Out: 516.598 $\pm$ 0.172 χ^2/NDF : 3598022.9/18

Left In: 654.098 $\pm$ 0.398 χ^2/NDF :766661.7/2

Left: 796.045 $\pm$ 0.302 χ^2/NDF : 1199560.6/6

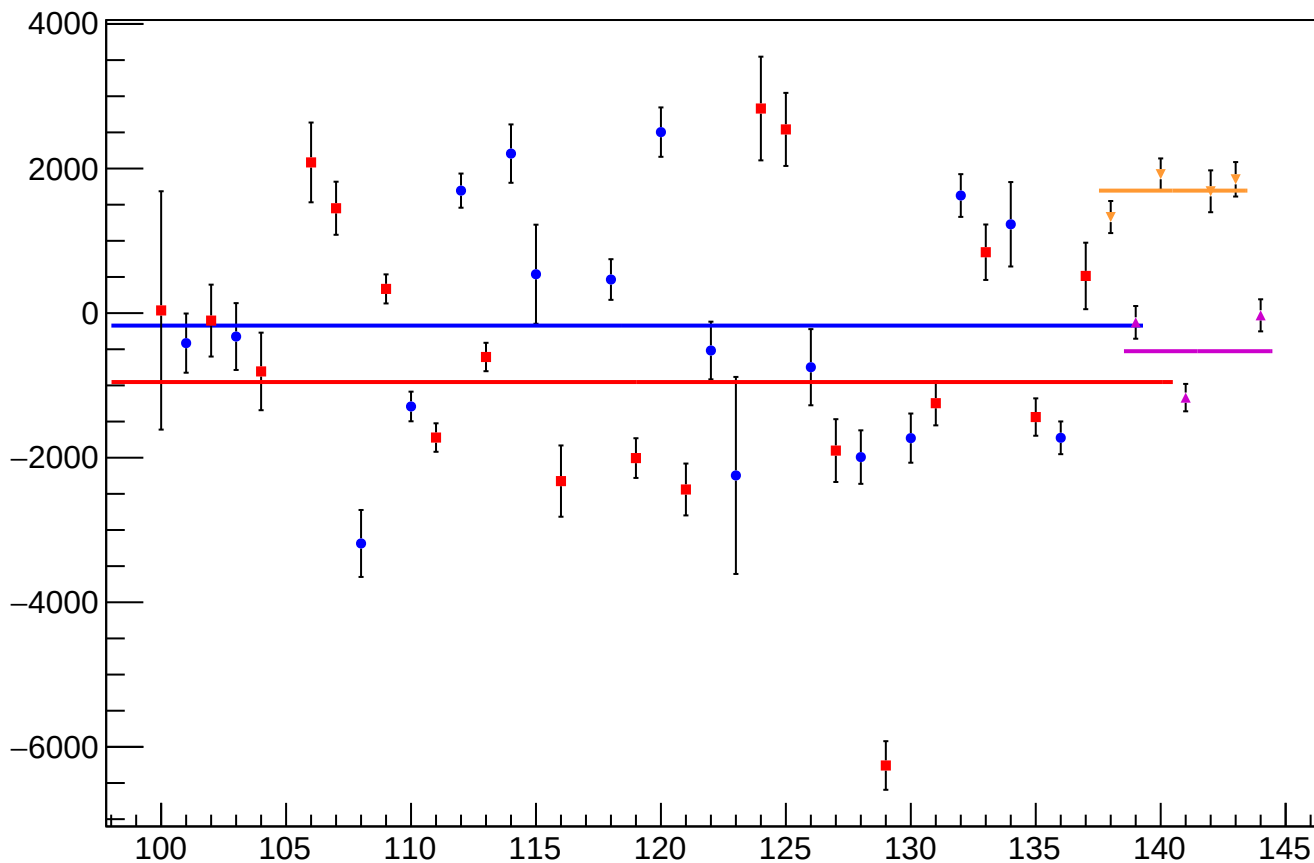
Right: 465.062 $\pm$ 0.113 χ^2/NDF : 6617785.8/35

In: 454.439 $\pm$ 0.139 χ^2/NDF :3916491.4/19

Out: 573.587 $\pm$ 0.161 χ^2/NDF :4640585.0/22

All: 505.343 $\pm$ 0.106 χ^2/NDF : 8869099.6/42

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -172.521+/-82.544 χ^2/NDF : 376.5/16

Left Out: 1694.630+/-118.755 χ^2/NDF : 4.2/3

Right Out: -953.457+/-75.104 χ^2/NDF : 541.2/18

Left In: -526.769+/-121.523 χ^2/NDF : 19.6/2

Left: 609.523+/-84.934 χ^2/NDF : 194.8/6

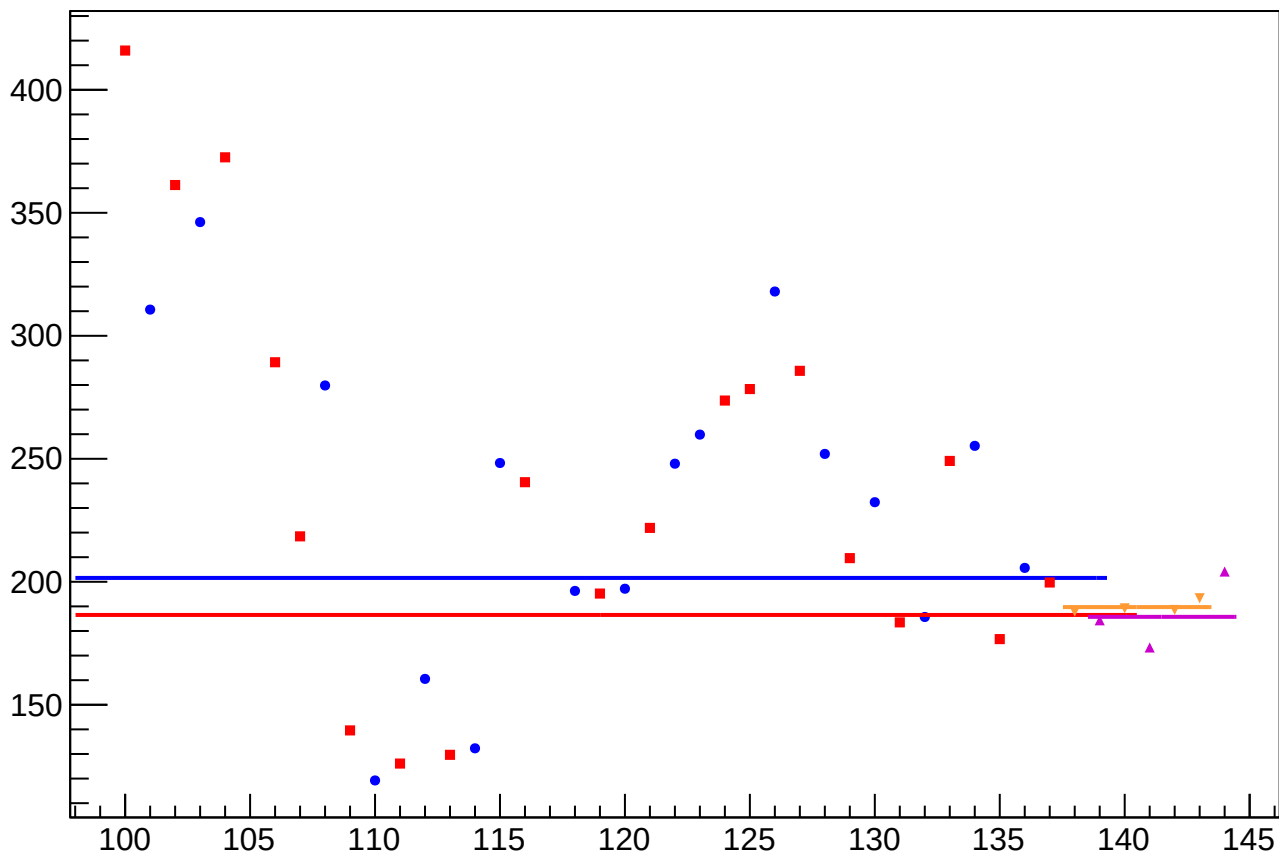
Right: -599.765+/-55.551 χ^2/NDF : 966.7/35

In: -284.362+/-68.282 χ^2/NDF : 401.9/19

Out: -196.908+/-63.475 χ^2/NDF : 900.6/22

All: -237.449+/-46.490 χ^2/NDF : 1303.4/42

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 201.572 $\pm$ 0.058 χ^2 /NDF: 1052330.1/16

Left Out: 189.717 $\pm$ 0.084 χ^2 /NDF:643.9/3

Right Out: 186.520 $\pm$ 0.053 χ^2 /NDF: 1388400.1/18

Left In: 185.748 $\pm$ 0.086 χ^2 /NDF:22504.9/2

Left: 187.778 $\pm$ 0.060 χ^2 /NDF: 24240.5/6

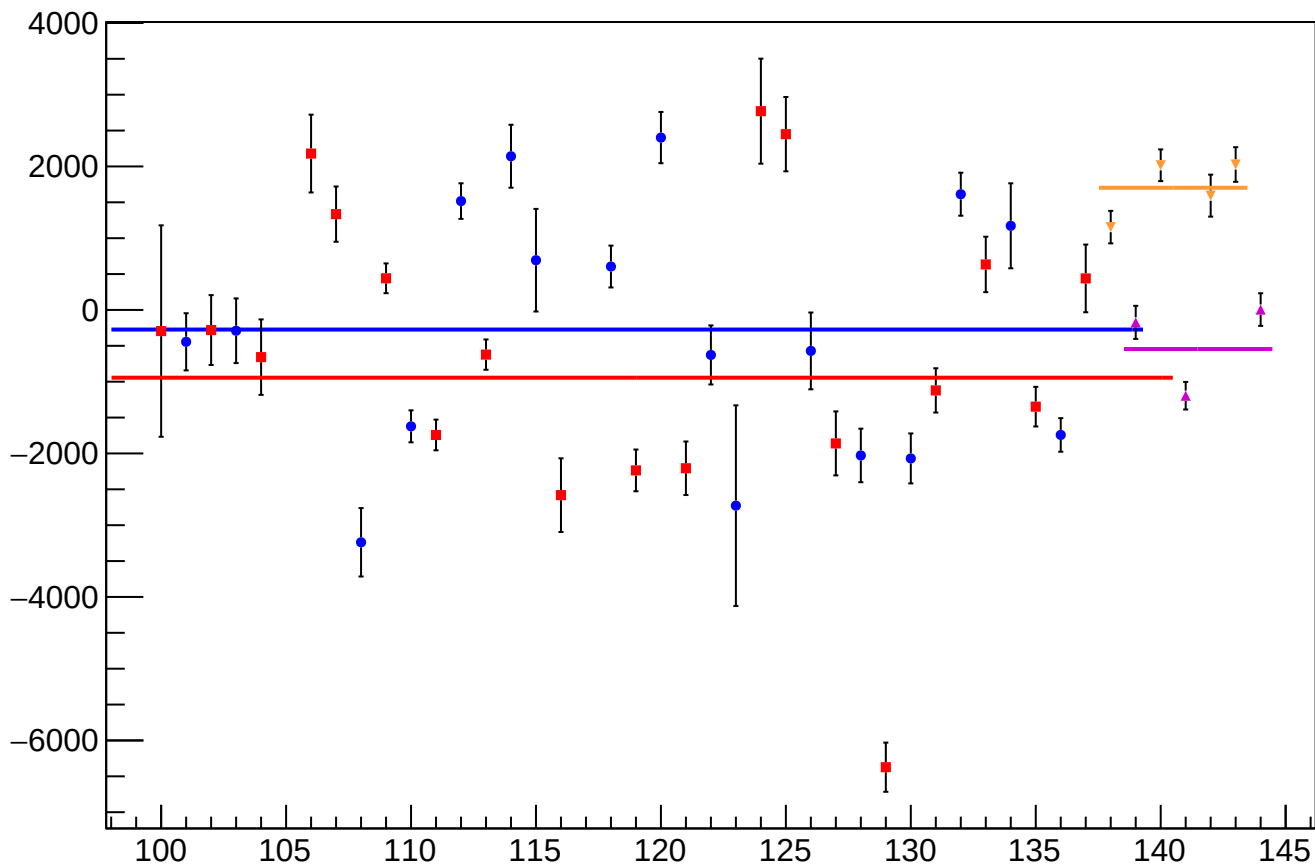
Right: 193.337 $\pm$ 0.039 χ^2 /NDF: 2477113.4/35

In: 196.576 $\pm$ 0.048 χ^2 /NDF:1098040.3/19

Out: 187.433 $\pm$ 0.045 χ^2 /NDF:1390079.7/22

All: 191.672 $\pm$ 0.033 χ^2 /NDF: 2507354.0/42

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -273.296+/-85.630 χ^2/NDF : 362.8/16

Left Out: 1702.750+/-120.581 χ^2/NDF : 9.8/3

Right Out: -944.335+/-78.399 χ^2/NDF : 524.4/18

Left In: -544.961+/-123.778 χ^2/NDF : 19.9/2

Left: 608.297+/-86.372 χ^2/NDF : 198.9/6

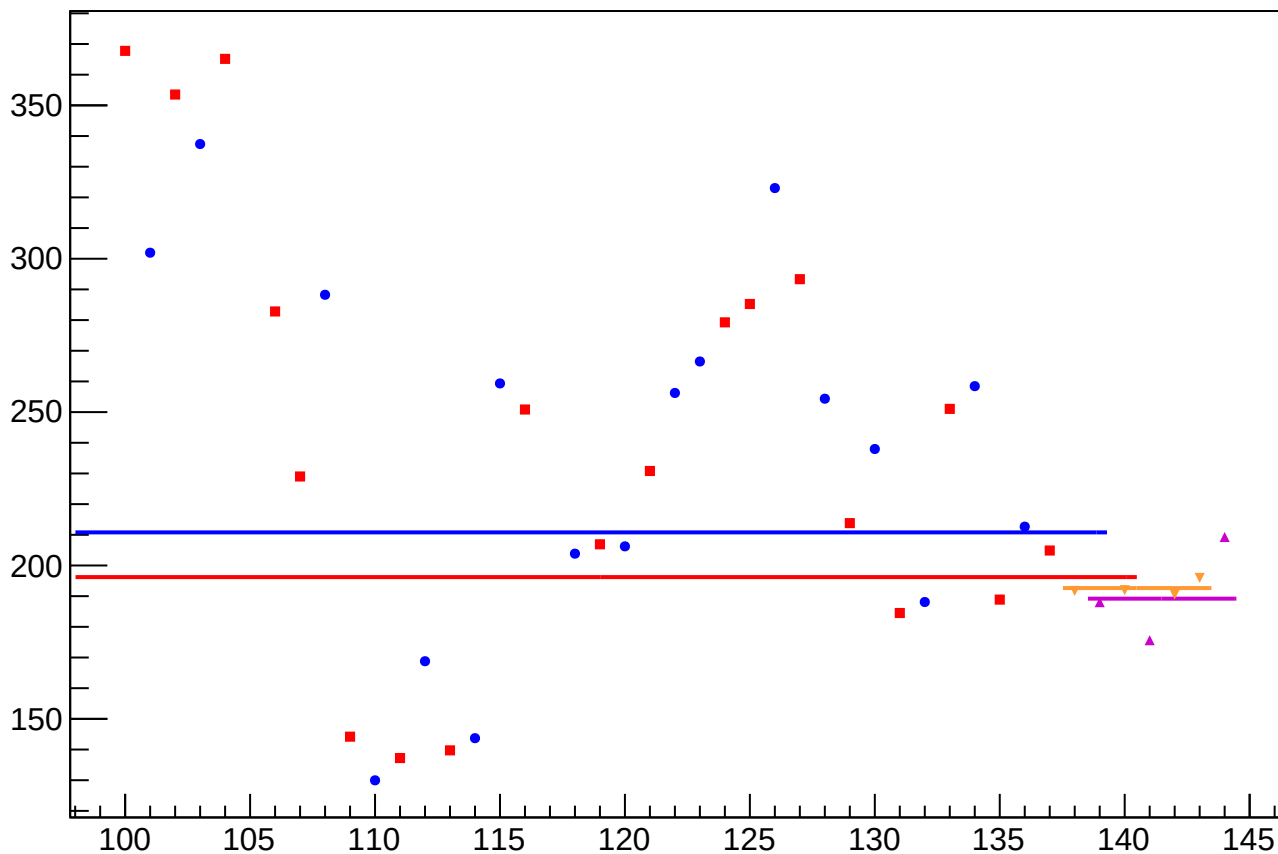
Right: -638.342+/-57.824 χ^2/NDF : 920.6/35

In: -361.229+/-70.421 χ^2/NDF : 386.0/19

Out: -157.821+/-65.728 χ^2/NDF : 872.9/22

All: -252.521+/-48.050 χ^2/NDF : 1263.4/42

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 210.791+/-0.061 χ^2/NDF : 873120.0/16

Left Out: 192.637+/-0.085 χ^2/NDF : 531.8/3

Right Out: 196.216+/-0.055 χ^2/NDF : 1201600.7/18

Left In: 189.190+/-0.088 χ^2/NDF : 25632.4/2

Left: 190.959+/-0.061 χ^2/NDF : 26960.2/6

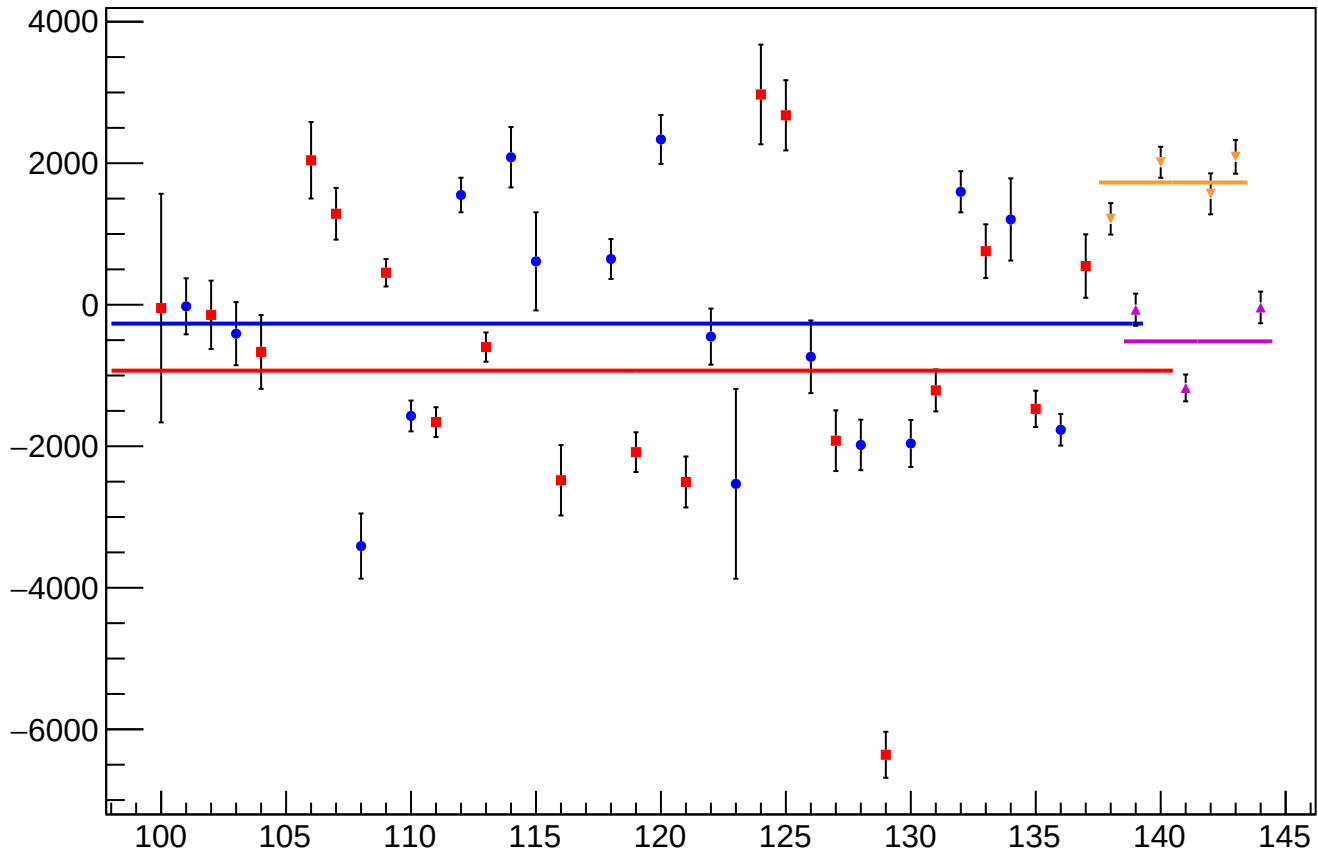
Right: 202.862+/-0.041 χ^2/NDF : 2106241.2/35

In: 203.799+/-0.050 χ^2/NDF : 939949.1/19

Out: 195.153+/-0.046 χ^2/NDF : 1203371.0/22

All: 199.178+/-0.034 χ^2/NDF : 2159433.5/42

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -266.674+/-82.997 χ^2/NDF : 383.4/16

Left Out: 1728.074+/-119.010 χ^2/NDF : 9.7/3

Right Out: -931.196+/-75.469 χ^2/NDF : 584.4/18

Left In: -517.605+/-122.087 χ^2/NDF : 20.5/2

Left: 633.897+/-85.220 χ^2/NDF : 203.7/6

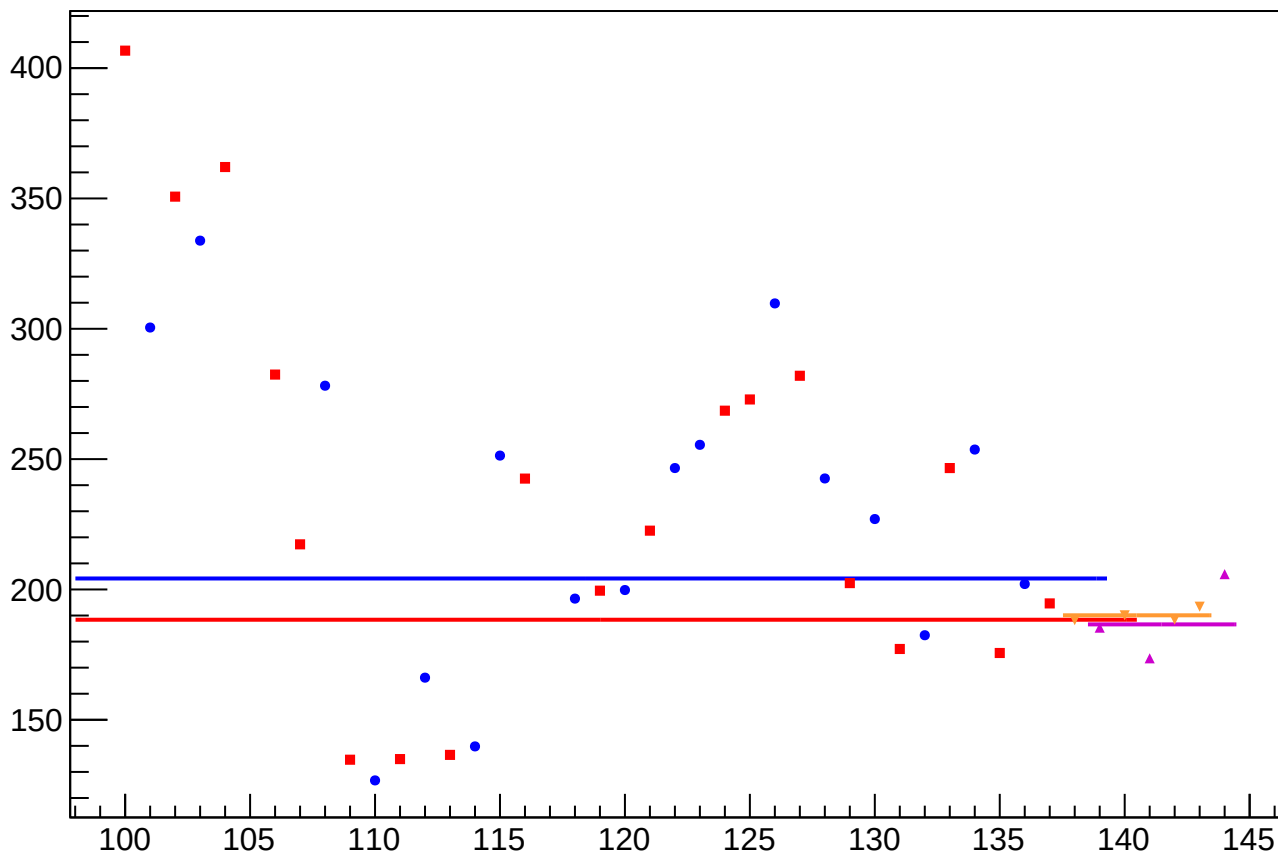
Right: -630.431+/-55.837 χ^2/NDF : 1002.9/35

In: -345.987+/-68.638 χ^2/NDF : 406.8/19

Out: -168.509+/-63.734 χ^2/NDF : 950.2/22

All: -250.682+/-46.705 χ^2/NDF : 1360.5/42

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 204.211+/-0.059 χ^2/NDF : 866108.6/16

Left Out: 190.086+/-0.084 χ^2/NDF : 592.8/3

Right Out: 188.384+/-0.053 χ^2/NDF : 1247760.0/18

Left In: 186.599+/-0.086 χ^2/NDF : 24316.1/2

Left: 188.387+/-0.060 χ^2/NDF : 25745.4/6

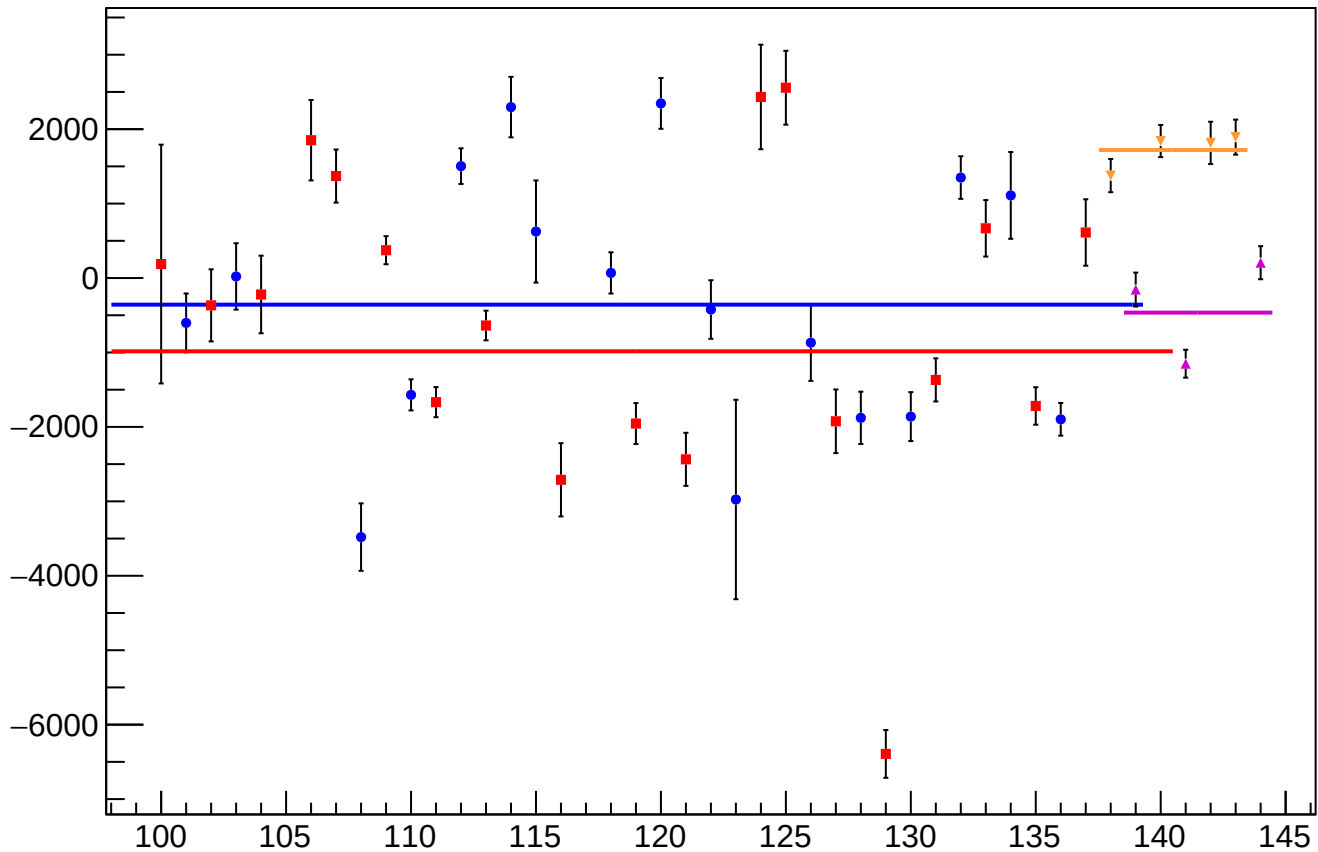
Right: 195.548+/-0.039 χ^2/NDF : 2153679.4/35

In: 198.645+/-0.049 χ^2/NDF : 918889.5/19

Out: 188.872+/-0.045 χ^2/NDF : 1248644.5/22

All: 193.397+/-0.033 χ^2/NDF : 2189303.4/42

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -357.821 ± 81.517 χ^2/NDF : 388.2/16

Left Out: 1719.594 ± 117.845 χ^2/NDF : 3.3/3

Right Out: -984.342 ± 73.851 χ^2/NDF : 588.2/18

Left In: -464.629 ± 121.185 χ^2/NDF : 24.4/2

Left: 658.003 ± 84.485 χ^2/NDF : 194.7/6

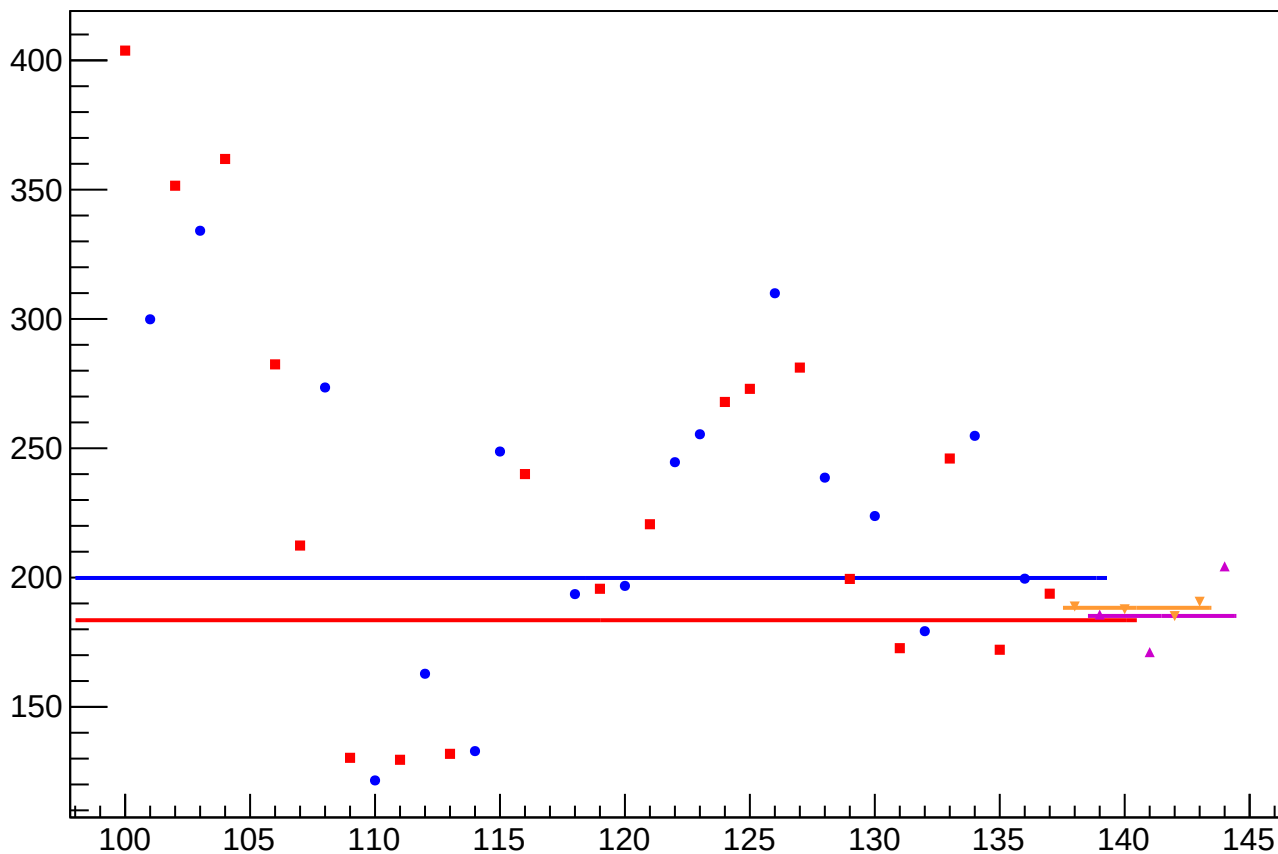
Right: -701.918 ± 54.731 χ^2/NDF : 1008.9/35

In: -391.094 ± 67.638 χ^2/NDF : 413.2/19

Out: -221.871 ± 62.578 χ^2/NDF : 969.6/22

All: -299.916 ± 45.934 χ^2/NDF : 1386.1/42

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 199.847 ± 0.058 χ^2/NDF : 940786.8/16

Left Out: 188.311 ± 0.083 χ^2/NDF : 477.5/3

Right Out: 183.513 ± 0.052 χ^2/NDF : 1345883.7/18

Left In: 185.170 ± 0.086 χ^2/NDF : 26107.0/2

Left: 186.784 ± 0.060 χ^2/NDF : 27275.1/6

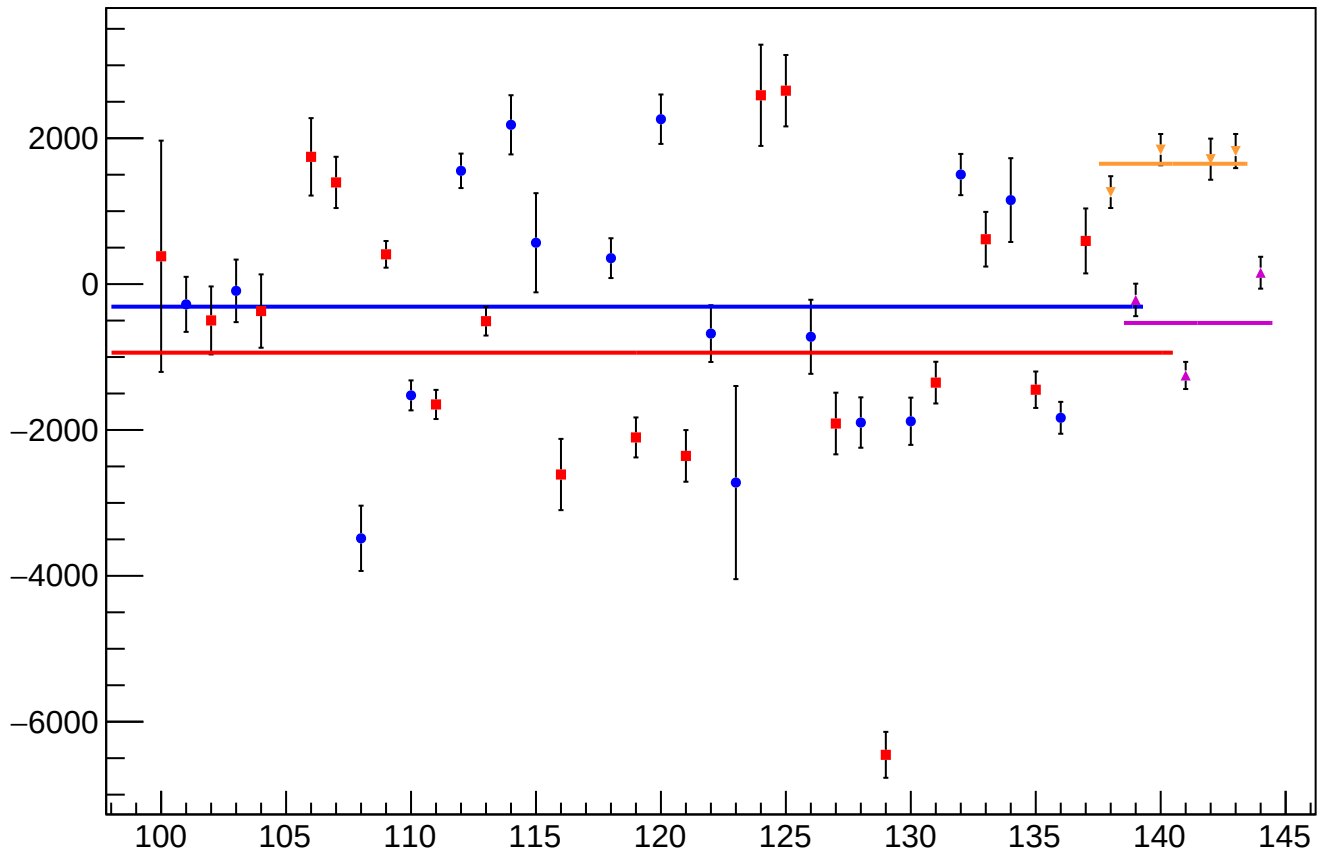
Right: 190.876 ± 0.039 χ^2/NDF : 2330772.3/35

In: 195.275 ± 0.048 χ^2/NDF : 987092.5/19

Out: 184.866 ± 0.044 χ^2/NDF : 1348741.1/22

All: 189.666 ± 0.032 χ^2/NDF : 2361352.6/42

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -309.418 $\pm$ 80.357 χ^2/NDF : 396.4/16

Left Out: 1650.106 $\pm$ 116.556 χ^2/NDF : 4.6/3

Right Out: -940.123 $\pm$ 72.716 χ^2/NDF : 616.8/18

Left In: -532.689 $\pm$ 119.555 χ^2/NDF : 26.9/2

Left: 586.423 $\pm$ 83.458 χ^2/NDF : 202.4/6

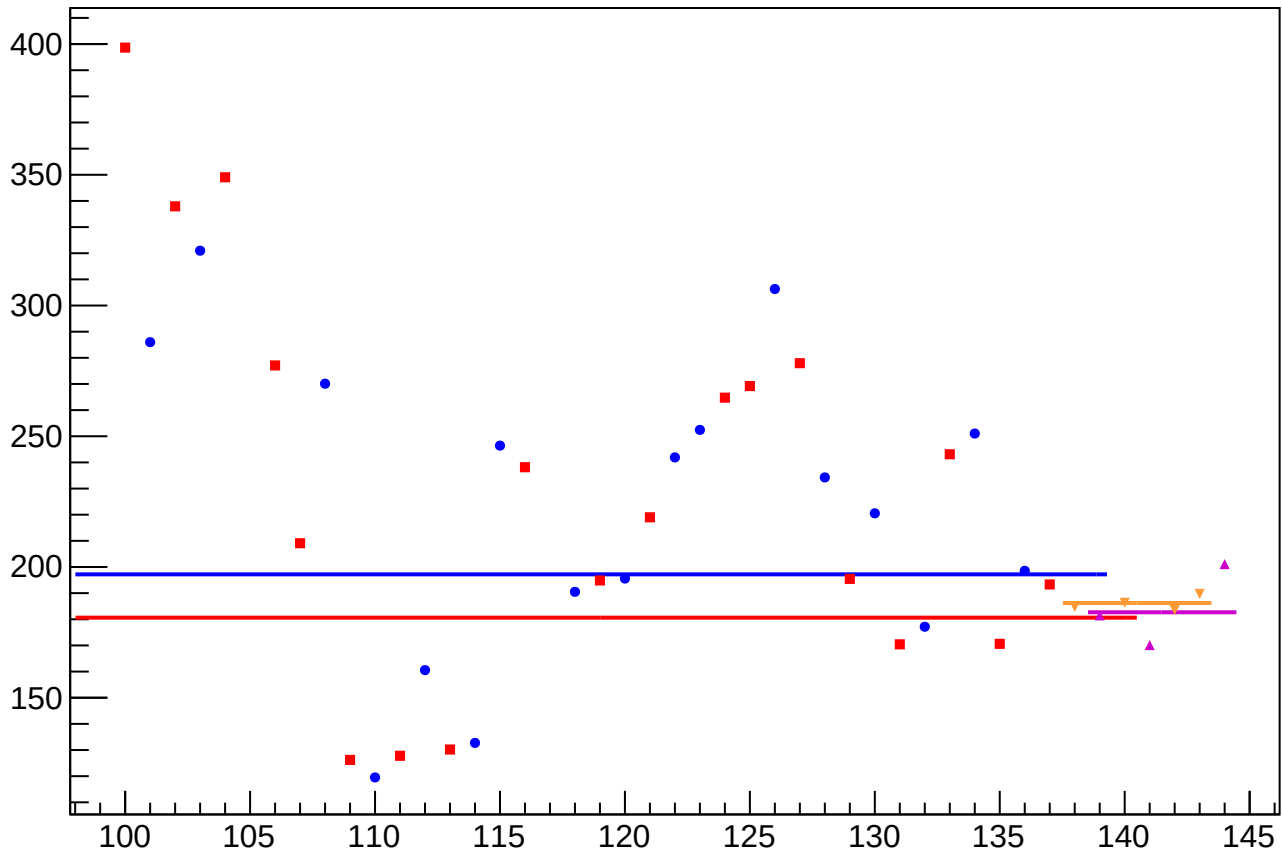
Right: -656.175 $\pm$ 53.917 χ^2/NDF : 1047.2/35

In: -378.896 $\pm$ 66.692 χ^2/NDF : 425.7/19

Out: -214.424 $\pm$ 61.694 χ^2/NDF : 976.9/22

All: -290.267 $\pm$ 45.288 χ^2/NDF : 1406.0/42

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 197.185 ± 0.057 χ^2/NDF : 909929.0/16

Left Out: 186.225 ± 0.082 χ^2/NDF : 715.7/3

Right Out: 180.624 ± 0.051 χ^2/NDF : 1341837.4/18

Left In: 182.674 ± 0.085 χ^2/NDF : 23362.9/2

Left: 184.495 ± 0.059 χ^2/NDF : 24982.7/6

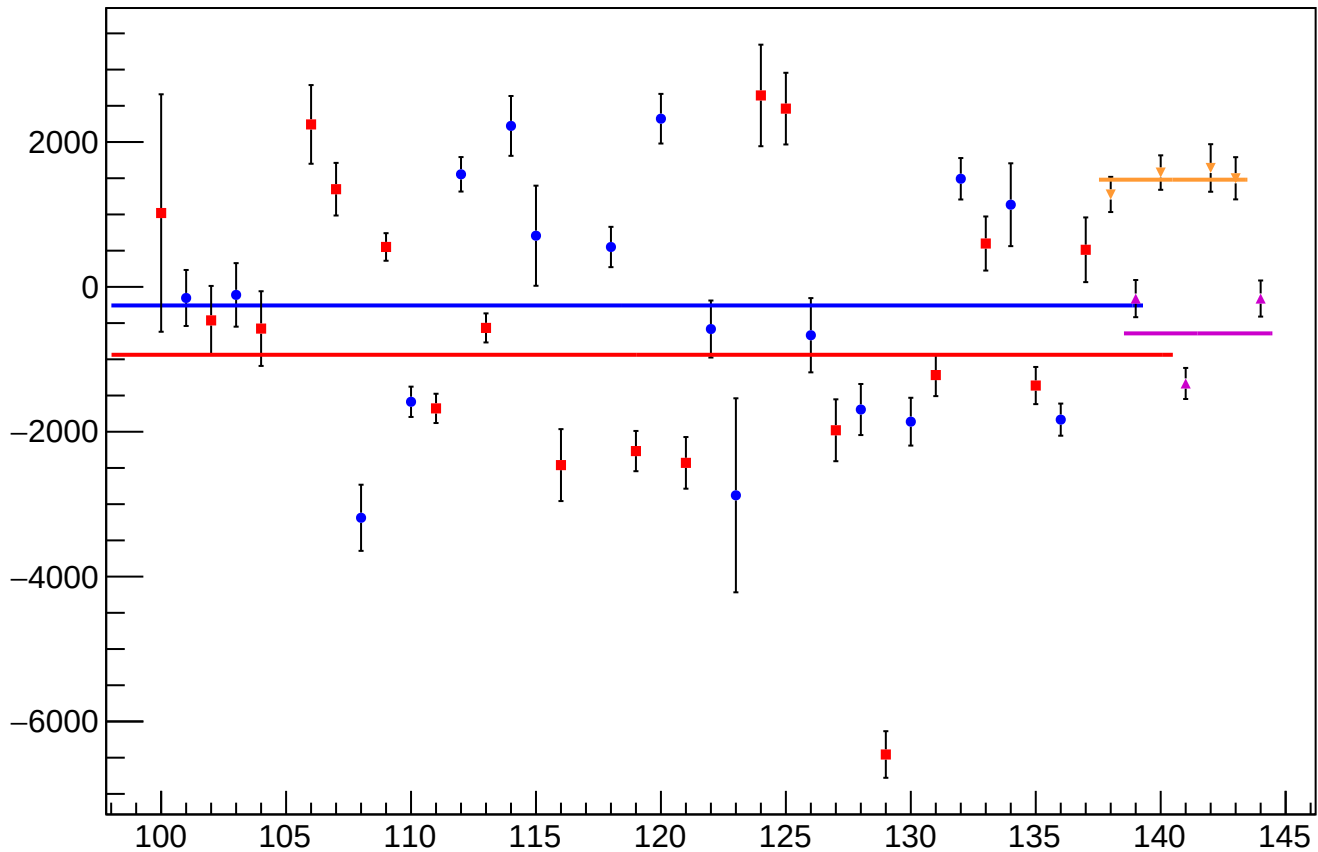
Right: 188.080 ± 0.038 χ^2/NDF : 2298467.9/35

In: 192.670 ± 0.047 χ^2/NDF : 953585.7/19

Out: 182.193 ± 0.044 χ^2/NDF : 1345876.5/22

All: 187.024 ± 0.032 χ^2/NDF : 2326055.1/42

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -256.429 $\pm$ 81.594 χ^2/NDF : 381.8/16

Left Out: 1480.059 $\pm$ 133.999 χ^2/NDF : 1.1/3

Right Out: -937.482 $\pm$ 74.168 χ^2/NDF : 609.1/18

Left In: -642.126 $\pm$ 137.317 χ^2/NDF : 17.6/2

Left: 444.915 $\pm$ 95.903 χ^2/NDF : 141.1/6

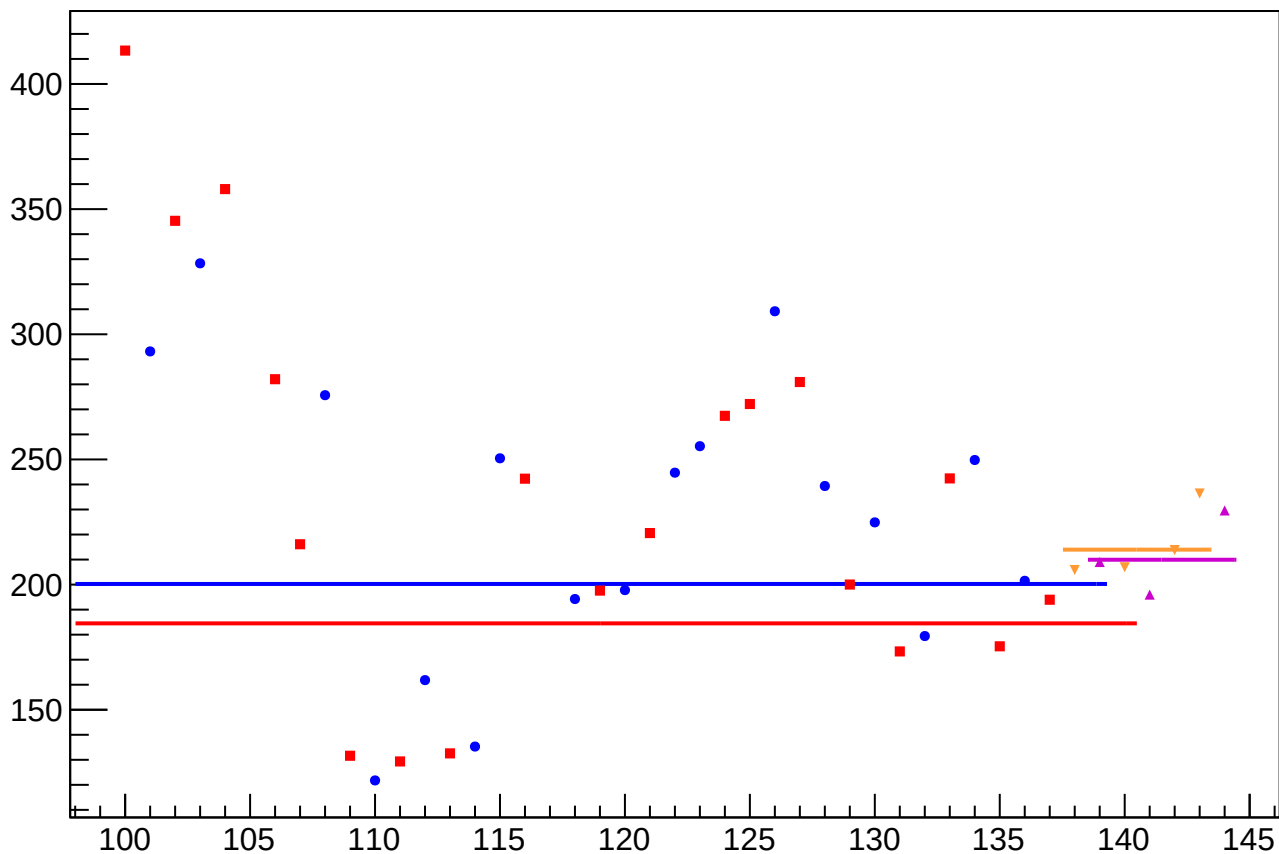
Right: -629.348 $\pm$ 54.883 χ^2/NDF : 1029.0/35

In: -357.074 $\pm$ 70.145 χ^2/NDF : 405.3/19

Out: -370.530 $\pm$ 64.891 χ^2/NDF : 859.3/22

All: -364.324 $\pm$ 47.634 χ^2/NDF : 1264.7/42

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 200.256 $\pm$ 0.058 χ^2 /NDF: 915910.1/16

Left Out: 213.969 $\pm$ 0.095 χ^2 /NDF:15860.4/3

Right Out: 184.510 $\pm$ 0.052 χ^2 /NDF: 1314720.9/18

Left In: 209.933 $\pm$ 0.097 χ^2 /NDF:20941.8/2

Left: 212.000 $\pm$ 0.068 χ^2 /NDF: 37687.3/6

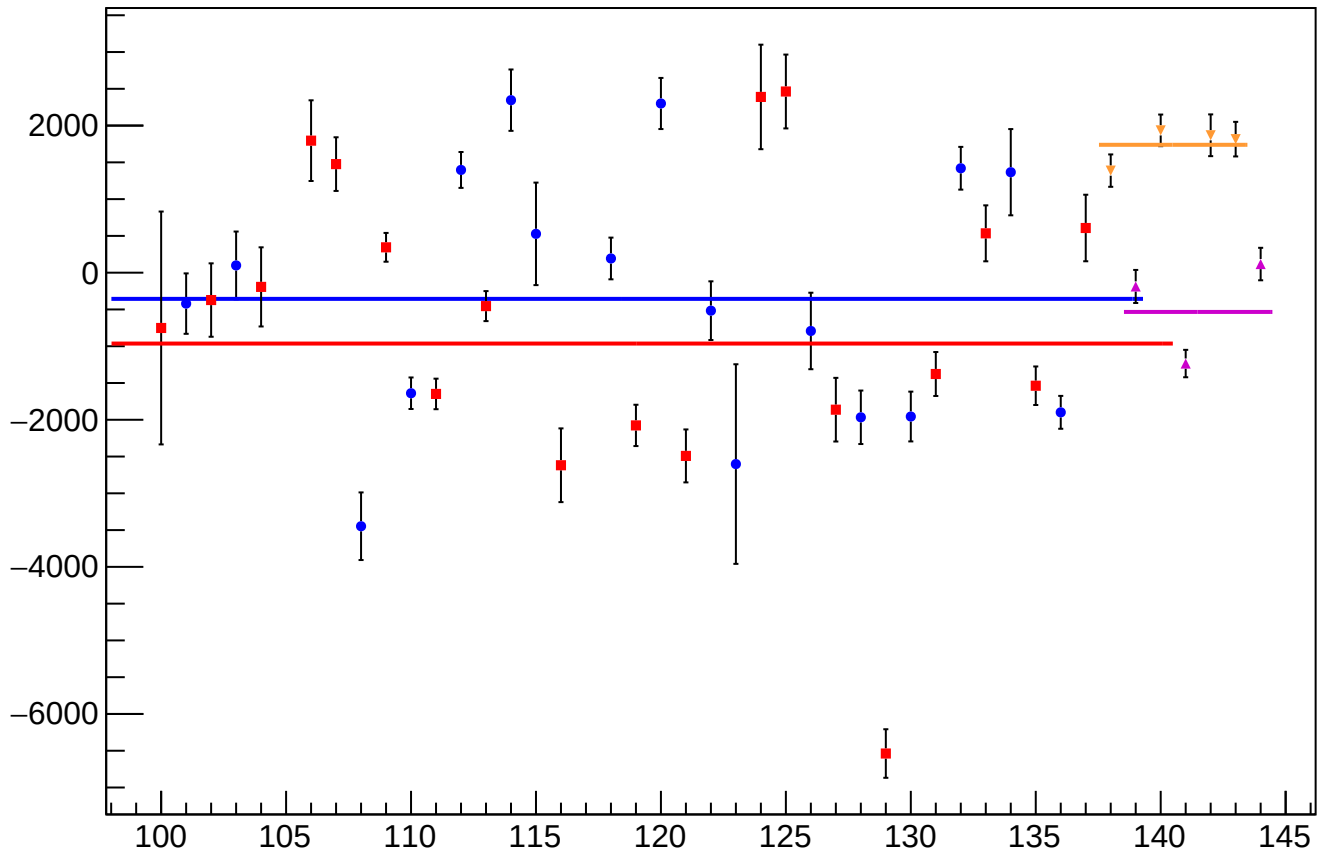
Right: 191.634 $\pm$ 0.039 χ^2 /NDF: 2271416.2/35

In: 202.781 $\pm$ 0.050 χ^2 /NDF:944193.3/19

Out: 191.418 $\pm$ 0.046 χ^2 /NDF:1404578.7/22

All: 196.658 $\pm$ 0.034 χ^2 /NDF: 2377051.3/42

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -356.124+/-83.321 χ^2/NDF : 378.6/16

Left Out: 1738.633+/-117.250 χ^2/NDF : 3.7/3

Right Out: -963.743+/-75.713 χ^2/NDF : 572.4/18

Left In: -533.797+/-120.261 χ^2/NDF : 25.3/2

Left: 631.221+/-83.953 χ^2/NDF : 212.0/6

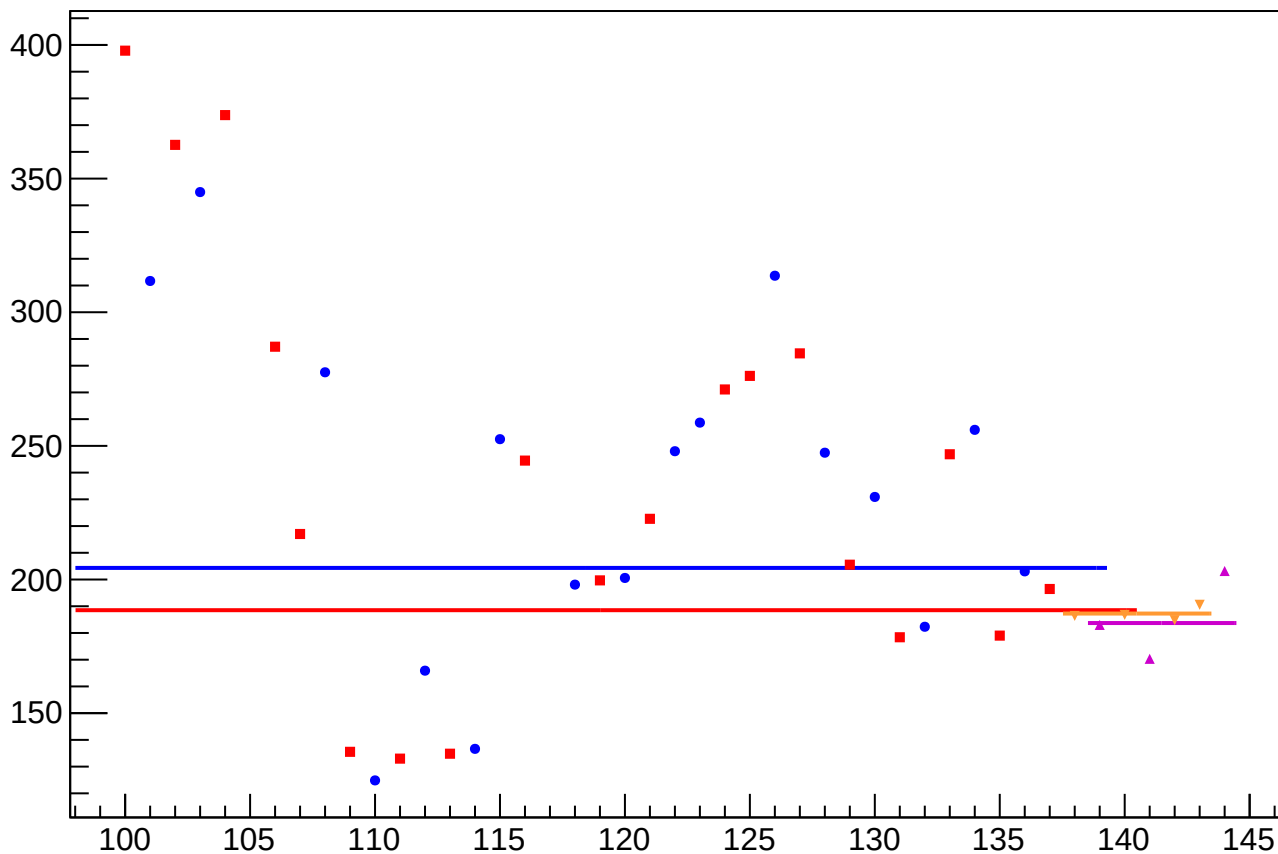
Right: -688.935+/-56.034 χ^2/NDF : 980.1/35

In: -413.749+/-68.489 χ^2/NDF : 405.3/19

Out: -168.504+/-63.605 χ^2/NDF : 951.0/22

All: -282.071+/-46.606 χ^2/NDF : 1363.2/42

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 204.343+/-0.059 χ^2/NDF : 944923.9/16

Left Out: 187.265+/-0.083 χ^2/NDF : 584.5/3

Right Out: 188.523+/-0.054 χ^2/NDF : 1311109.8/18

Left In: 183.717+/-0.085 χ^2/NDF : 25888.8/2

Left: 185.536+/-0.059 χ^2/NDF : 27365.4/6

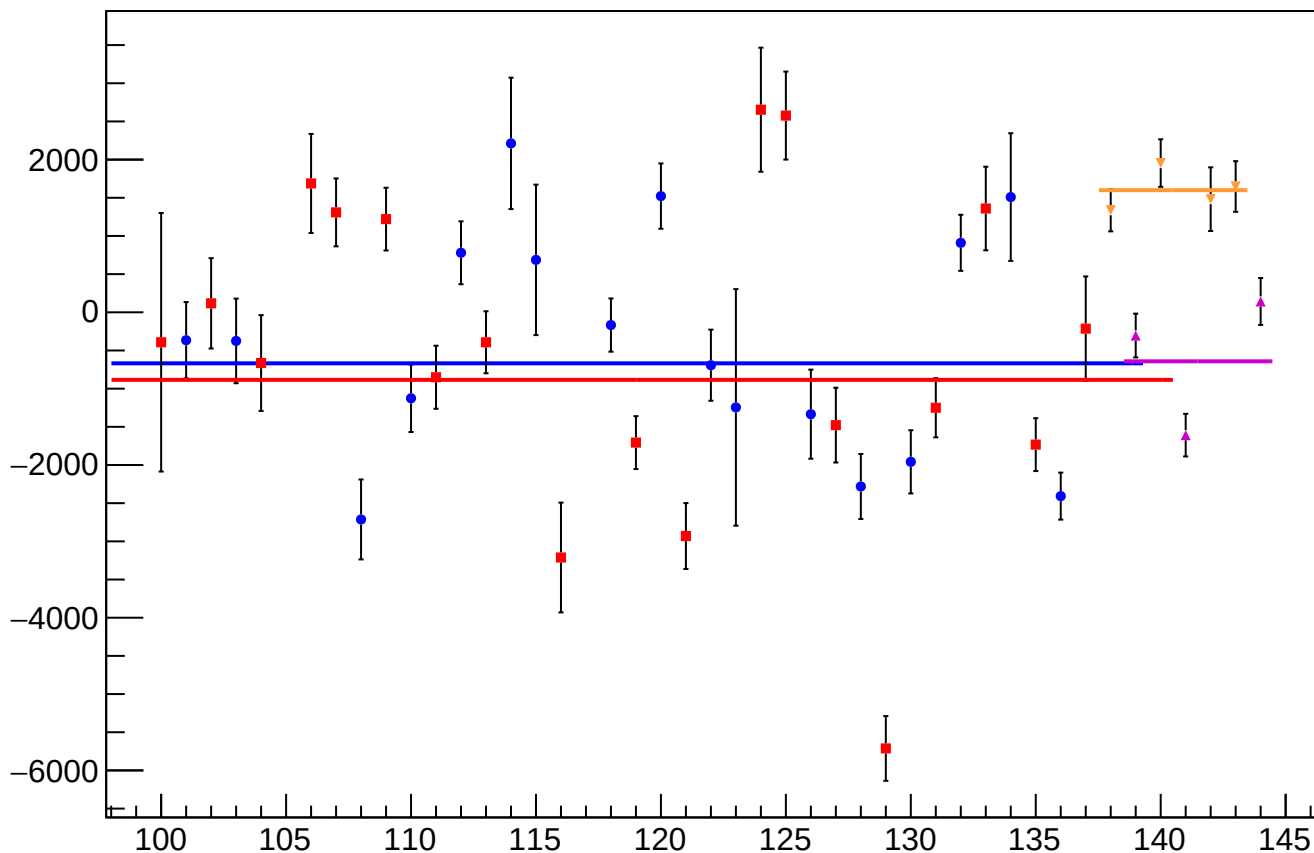
Right: 195.678+/-0.040 χ^2/NDF : 2295521.2/35

In: 197.653+/-0.048 χ^2/NDF : 1010560.0/19

Out: 188.153+/-0.045 χ^2/NDF : 1311857.0/22

All: 192.552+/-0.033 χ^2/NDF : 2343078.8/42

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -668.118+/-114.189 χ^2/NDF : 153.3/16

Left Out: 1599.756+/-161.816 χ^2/NDF : 2.3/3

Right Out: -884.858+/-110.843 χ^2/NDF : 320.1/18

Left In: -641.927+/-167.640 χ^2/NDF : 19.9/2

Left: 518.527+/-116.426 χ^2/NDF : 114.7/6

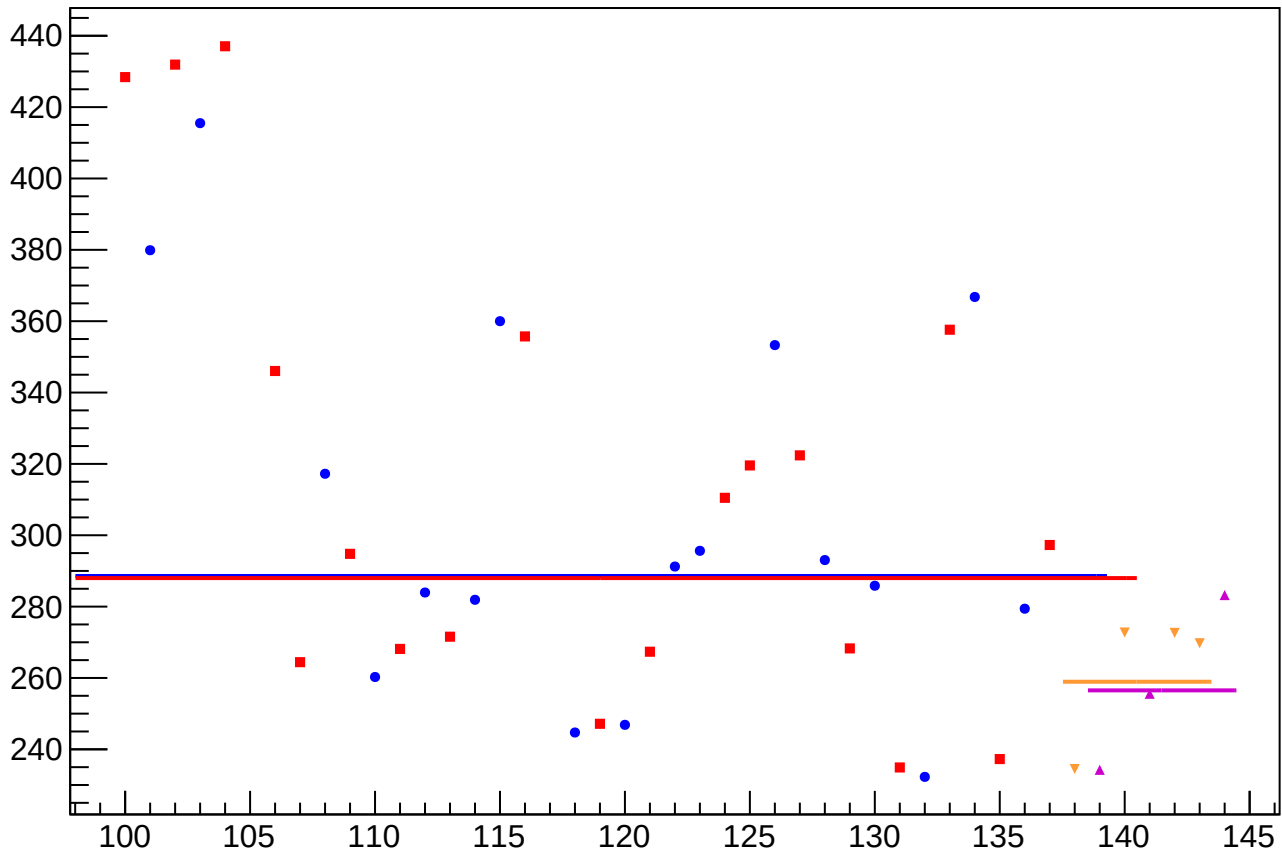
Right: -779.711+/-79.534 χ^2/NDF : 475.3/35

In: -659.817+/-94.375 χ^2/NDF : 173.3/19

Out: -91.364+/-91.446 χ^2/NDF : 482.9/22

All: -366.632+/-65.673 χ^2/NDF : 674.9/42

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 288.577 $\pm$ 0.081 χ^2 /NDF: 338793.1/16

Left Out: 258.946 $\pm$ 0.114 χ^2 /NDF: 23792.0/3

Right Out: 287.995 $\pm$ 0.078 χ^2 /NDF: 459962.0/18

Left In: 256.522 $\pm$ 0.119 χ^2 /NDF: 27189.1/2

Left: 257.777 $\pm$ 0.082 χ^2 /NDF: 51197.4/6

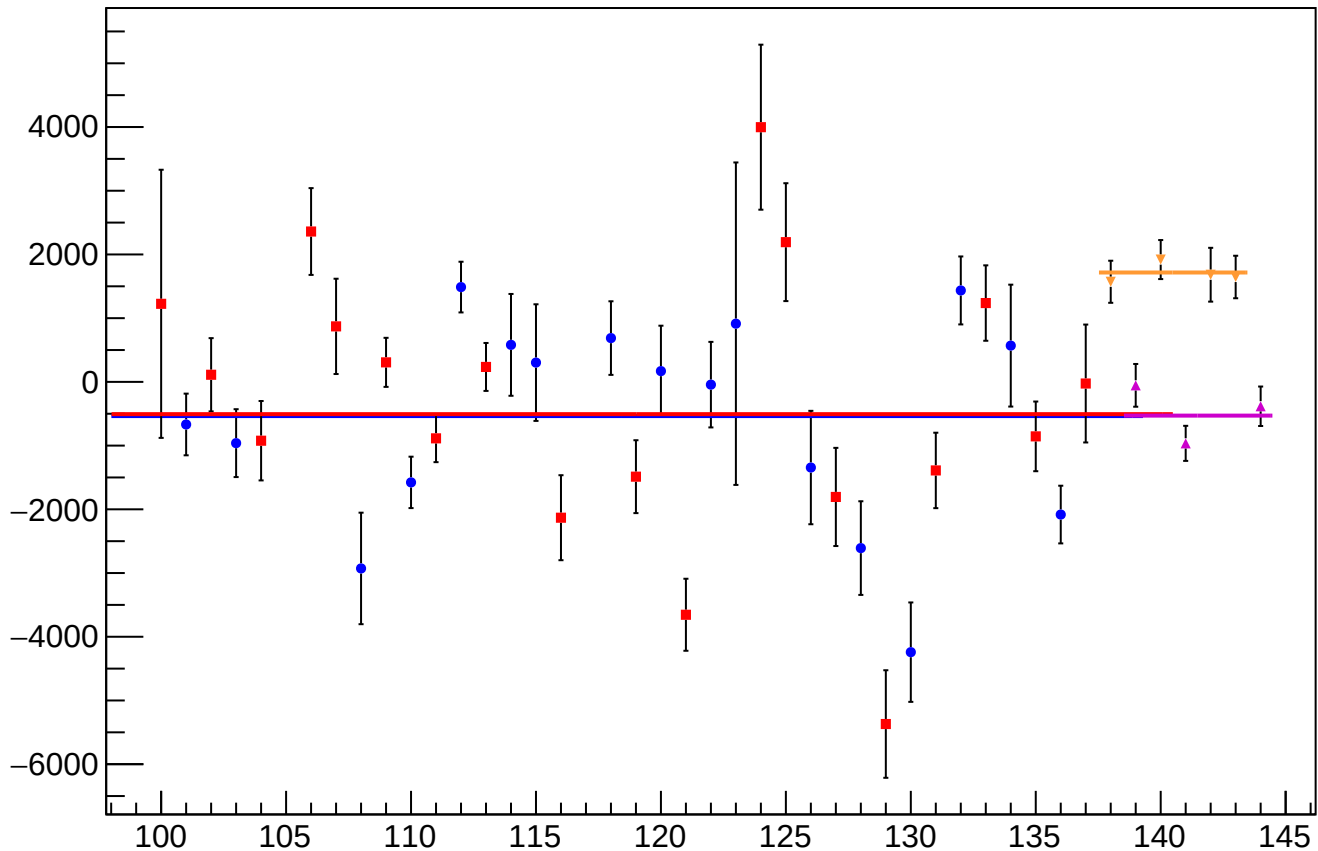
Right: 288.277 $\pm$ 0.056 χ^2 /NDF: 798781.9/35

In: 278.418 $\pm$ 0.067 χ^2 /NDF: 415930.5/19

Out: 278.718 $\pm$ 0.065 χ^2 /NDF: 527624.0/22

All: 278.572 $\pm$ 0.046 χ^2 /NDF: 943565.0/42

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -536.568+/-147.571 χ^2/NDF : 107.9/16

Left Out: 1716.729+/-170.430 χ^2/NDF : 0.7/3

Right Out: -506.373+/-135.761 χ^2/NDF : 140.9/18

Left In: -529.311+/-175.363 χ^2/NDF : 4.7/2

Left: 625.742+/-122.219 χ^2/NDF : 89.8/6

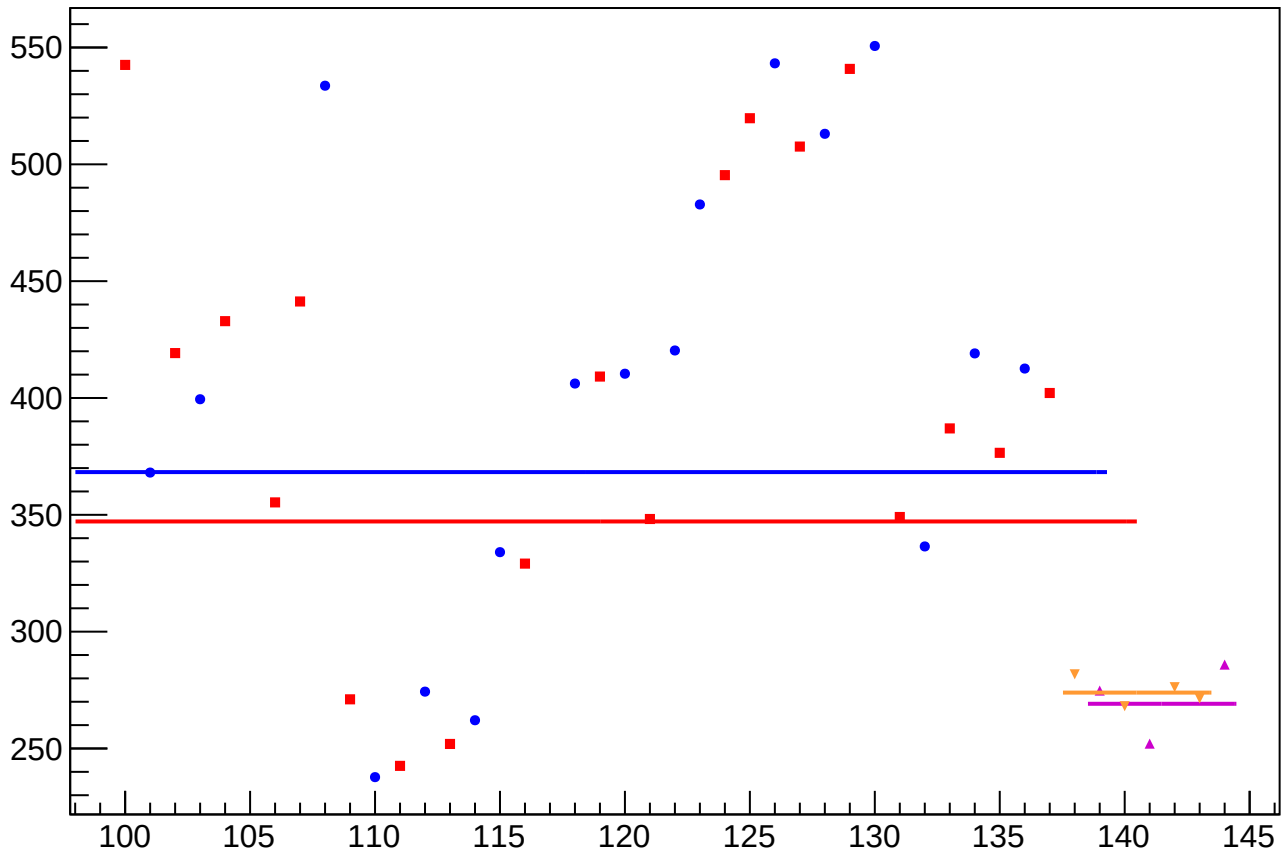
Right: -520.214+/-99.912 χ^2/NDF : 248.8/35

In: -533.560+/-112.911 χ^2/NDF : 112.6/19

Out: 356.647+/-106.188 χ^2/NDF : 245.7/22

All: -61.167+/-77.354 χ^2/NDF : 391.3/42

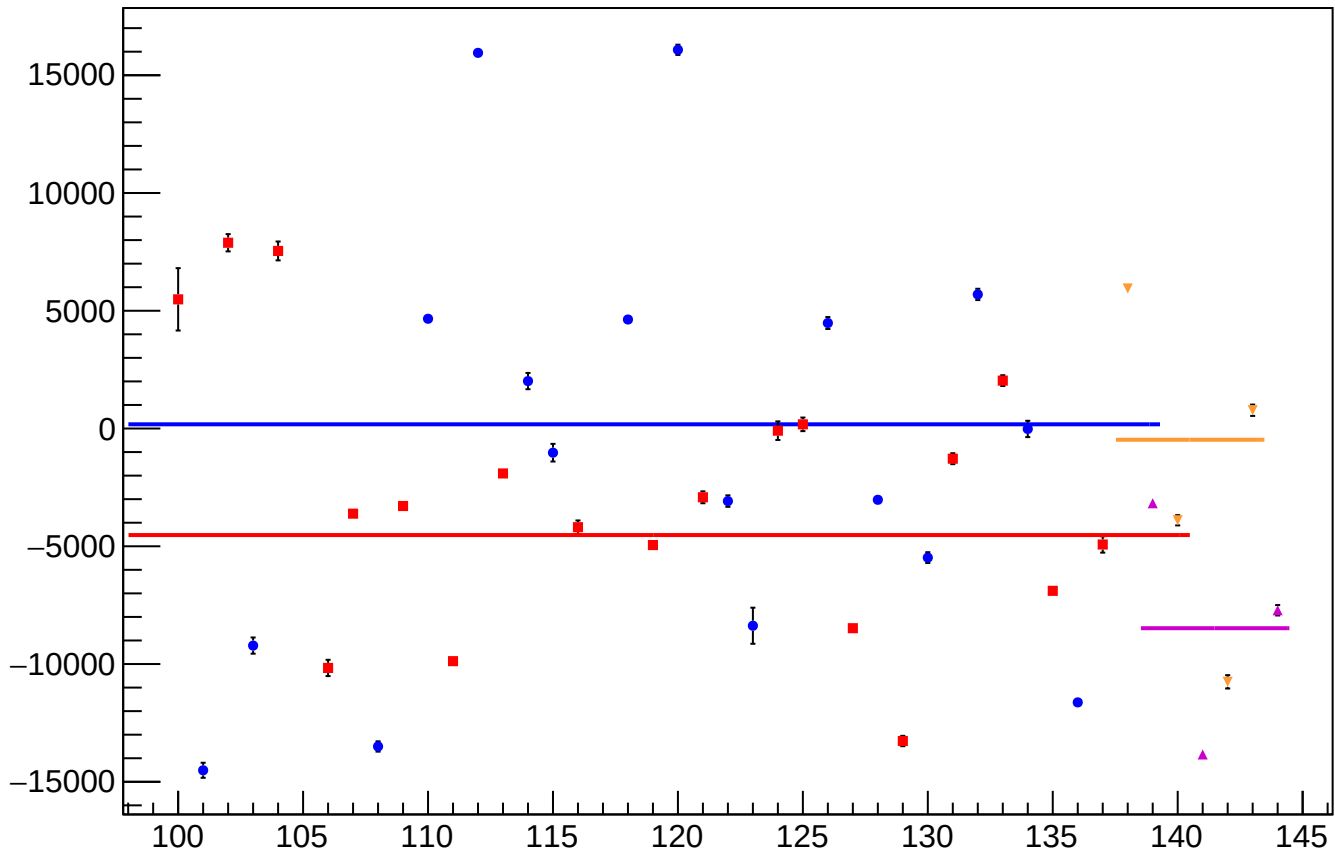
asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 368.287 $\pm$ 0.104 χ^2/NDF : 765418.4/16
 Left Out: 273.918 $\pm$ 0.121 χ^2/NDF :2020.6/3
 Right Out: 347.159 $\pm$ 0.096 χ^2/NDF : 816304.3/18
 Left In: 269.130 $\pm$ 0.124 χ^2/NDF :14115.3/2

Left: 271.592 $\pm$ 0.086 χ^2/NDF : 16902.6/6
 Right: 356.844 $\pm$ 0.071 χ^2/NDF : 1603928.6/35
 In: 327.179 $\pm$ 0.080 χ^2/NDF :1153886.3/19
 Out: 318.726 $\pm$ 0.075 χ^2/NDF :1044292.8/22
 All: 322.694 $\pm$ 0.055 χ^2/NDF : 2204127.9/42

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 178.788+/-54.896 χ^2/NDF : 30662.2/16

Left Out: -476.656+/-112.710 χ^2/NDF :2737.4/3

Right Out: -4523.222+/-52.440 χ^2/NDF : 7474.2/18

Left In: -8479.074+/-119.328 χ^2/NDF :1425.3/2

Left: -4249.821+/-81.938 χ^2/NDF : 6539.5/6

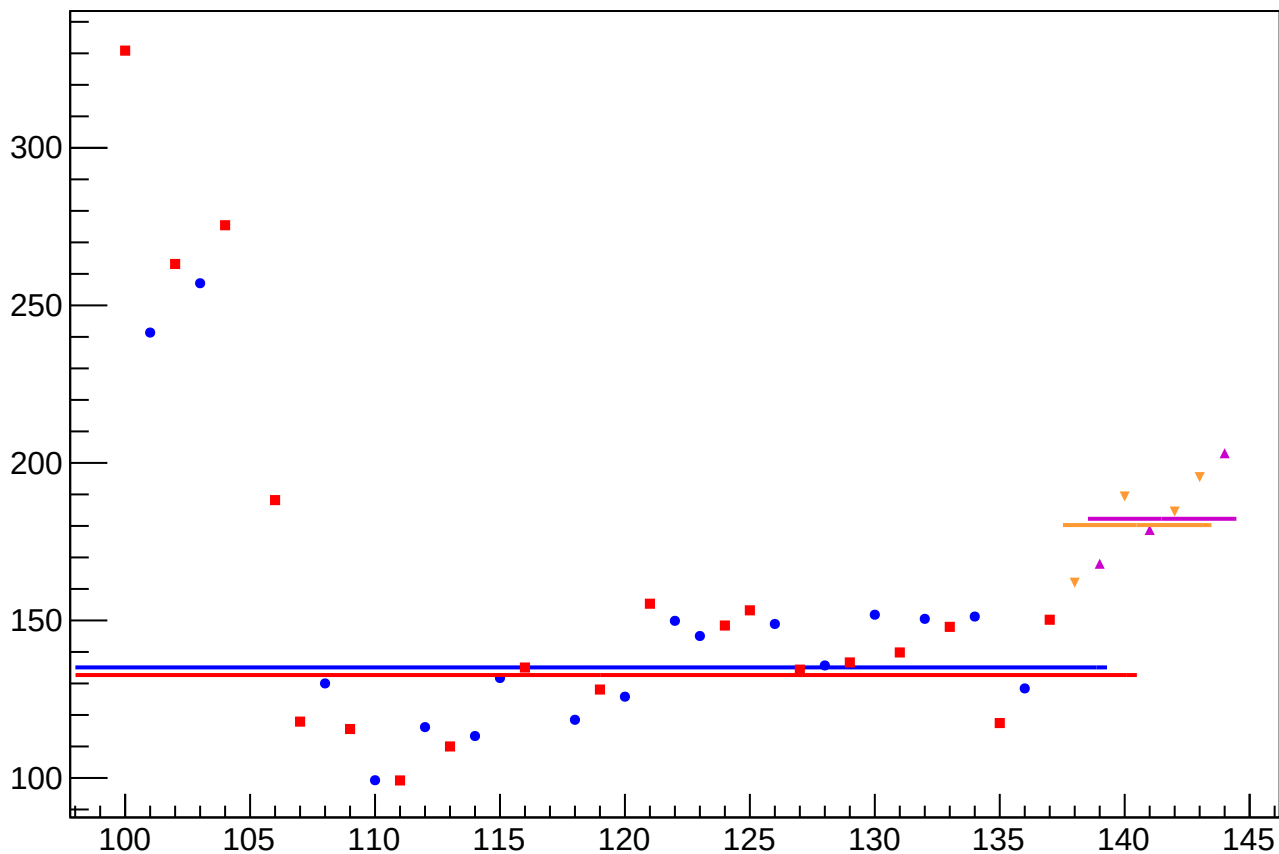
Right: -2279.776+/-37.919 χ^2/NDF : 41972.4/35

In: -1333.519+/-49.872 χ^2/NDF :36432.2/19

Out: -3803.141+/-47.546 χ^2/NDF :11271.2/22

All: -2627.272+/-34.413 χ^2/NDF : 48988.0/42

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 135.099 $\pm$ 0.039 χ^2 /NDF: 657657.4/16

Left Out: 180.274 $\pm$ 0.080 χ^2 /NDF:30556.1/3

Right Out: 132.672 $\pm$ 0.037 χ^2 /NDF: 828363.1/18

Left In: 182.265 $\pm$ 0.084 χ^2 /NDF:28018.7/2

Left: 181.213 $\pm$ 0.058 χ^2 /NDF: 58869.0/6

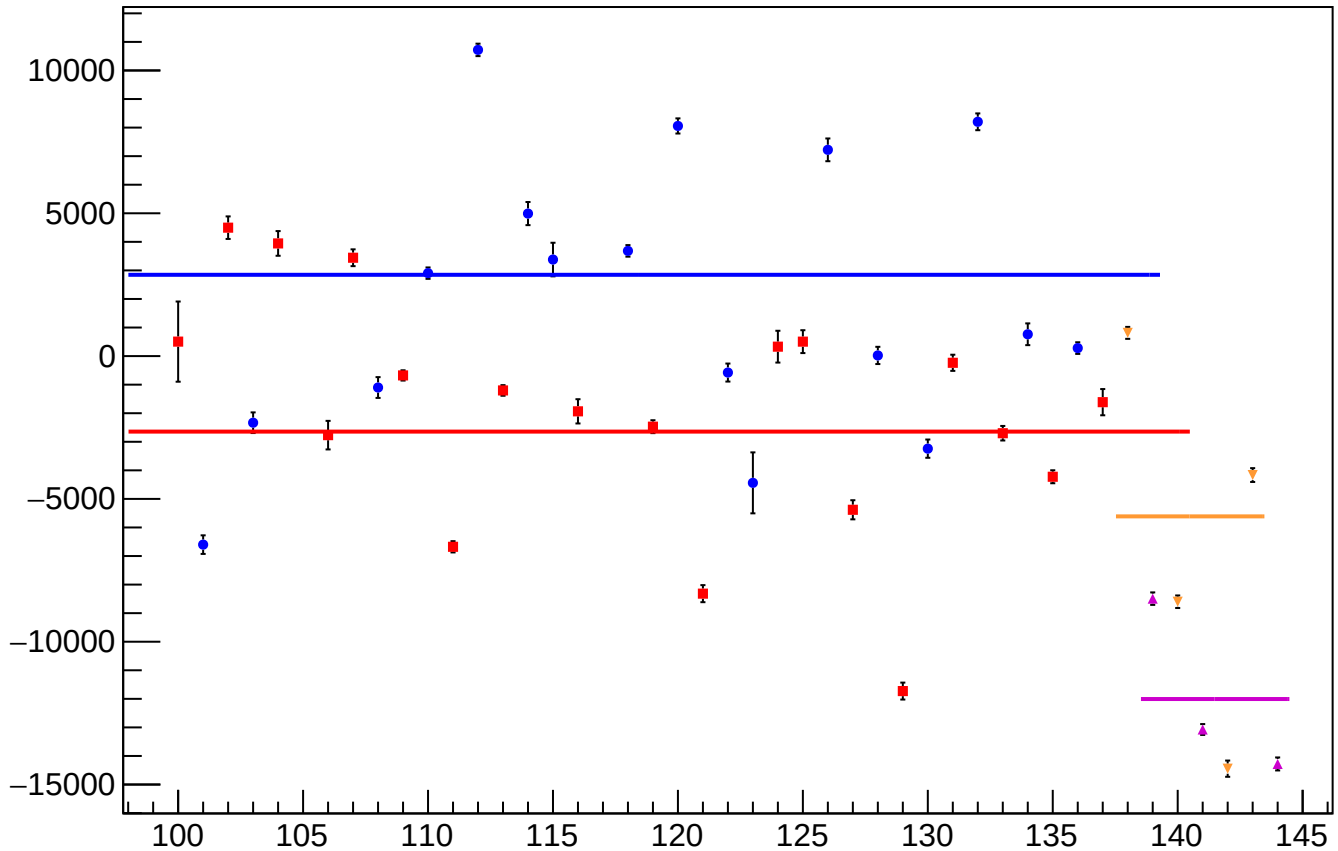
Right: 133.830 $\pm$ 0.027 χ^2 /NDF: 1488063.7/35

In: 143.337 $\pm$ 0.035 χ^2 /NDF:943569.8/19

Out: 141.143 $\pm$ 0.034 χ^2 /NDF:1152184.4/22

All: 142.188 $\pm$ 0.024 χ^2 /NDF: 2097782.9/42

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2846.117+/-70.894 χ^2/NDF : 4160.1/16

Left Out: -5611.836+/-117.115 χ^2/NDF :2125.5/3

Right Out: -2643.505+/-65.711 χ^2/NDF : 3177.7/18

Left In: -12006.300+/-121.239 χ^2/NDF :390.0/2

Left: -8698.455+/-84.233 χ^2/NDF : 3954.5/6

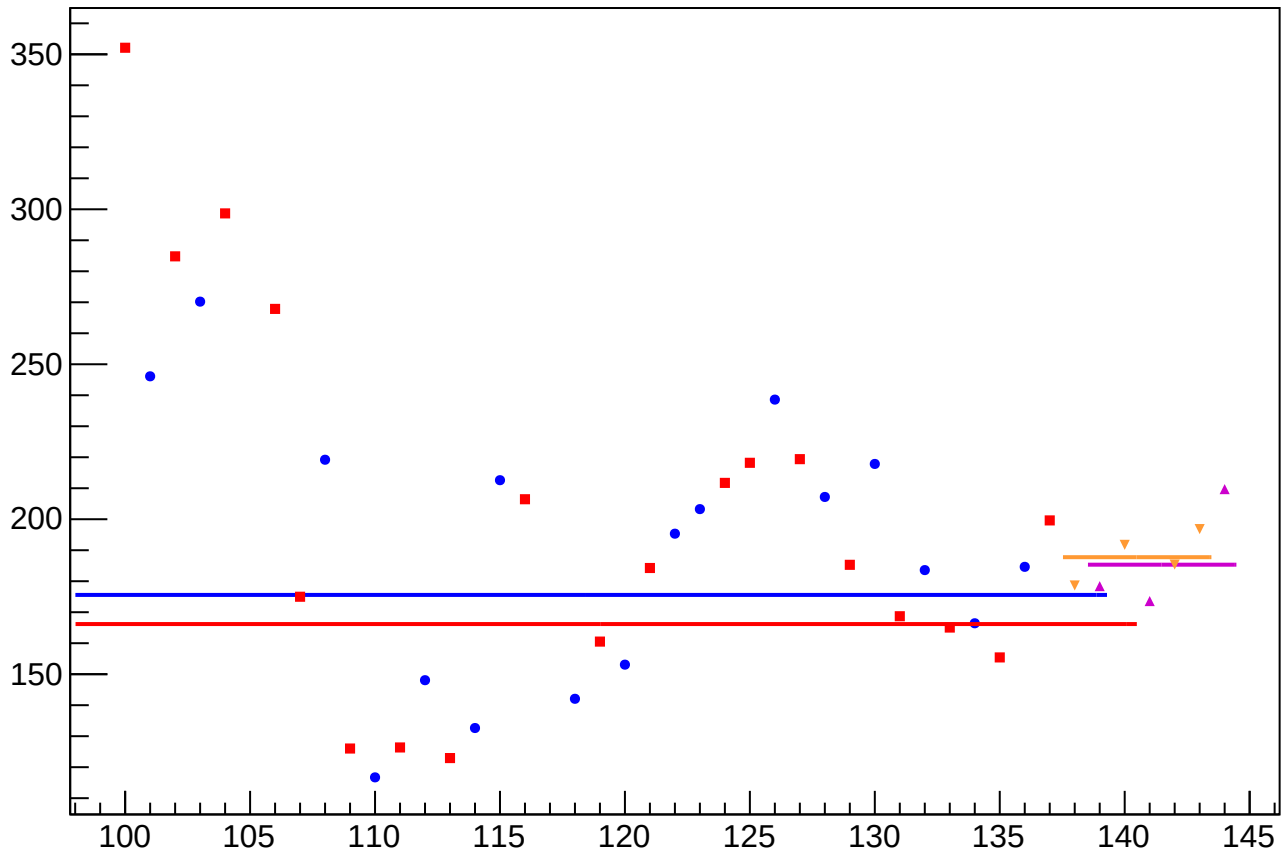
Right: -106.685+/-48.193 χ^2/NDF : 10563.0/35

In: -938.326+/-61.199 χ^2/NDF :15733.6/19

Out: -3354.228+/-57.307 χ^2/NDF :5791.8/22

All: -2225.543+/-41.830 χ^2/NDF : 22355.7/42

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 175.582+/-0.050 χ^2/NDF : 687852.4/16

Left Out: 187.753+/-0.083 χ^2/NDF : 7392.3/3

Right Out: 166.180+/-0.046 χ^2/NDF : 925559.0/18

Left In: 185.335+/-0.086 χ^2/NDF : 32624.5/2

Left: 186.586+/-0.060 χ^2/NDF : 40428.4/6

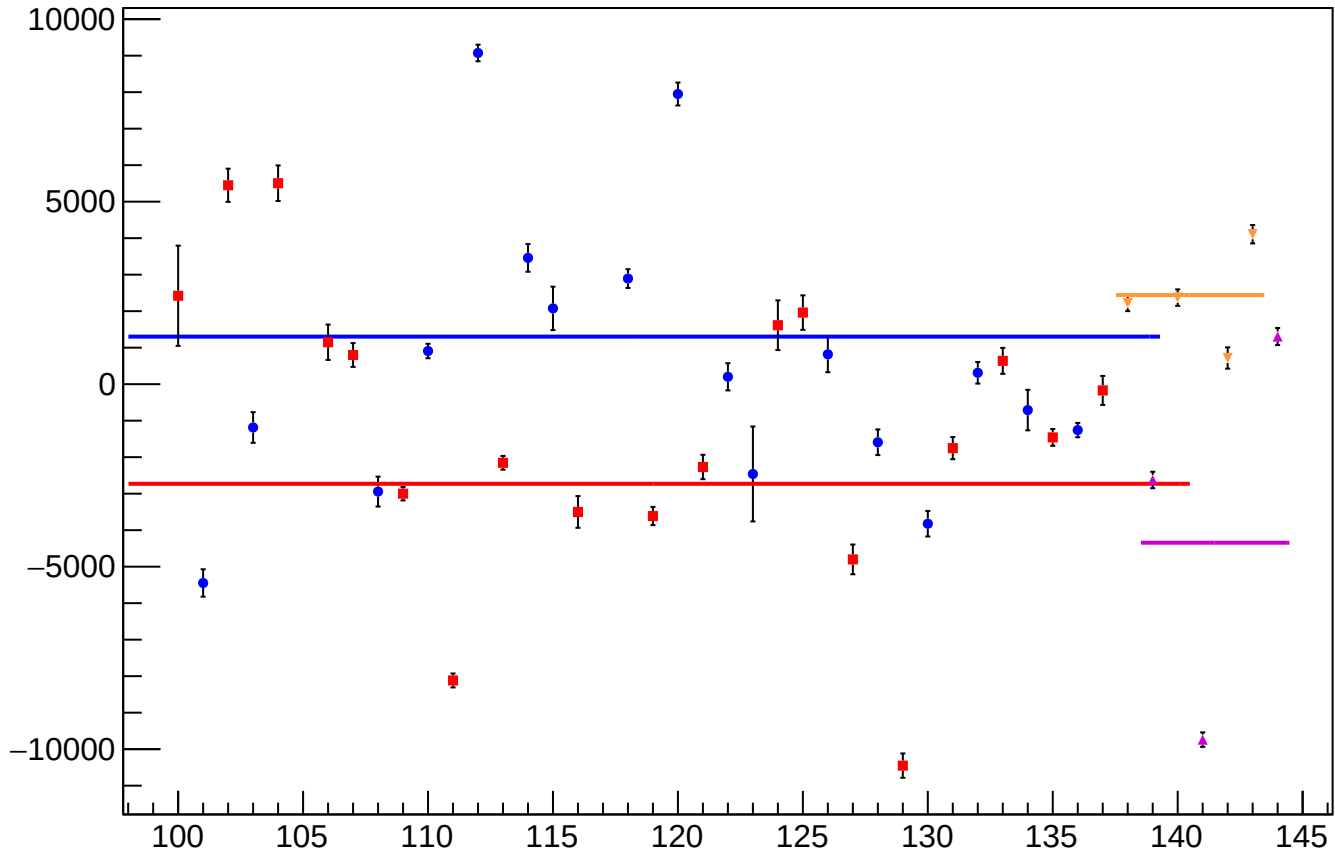
Right: 170.525+/-0.034 χ^2/NDF : 1632331.4/35

In: 178.067+/-0.043 χ^2/NDF : 730121.3/19

Out: 171.345+/-0.041 χ^2/NDF : 984564.5/22

All: 174.486+/-0.030 χ^2/NDF : 1727540.0/42

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1302.950+/-77.323 χ^2/NDF : 2649.9/16

Left Out: 2441.628+/-121.521 χ^2/NDF : 79.7/3

Right Out: -2729.355+/-70.012 χ^2/NDF : 2497.2/18

Left In: -4343.484+/-125.923 χ^2/NDF : 1371.6/2

Left: -830.257+/-87.443 χ^2/NDF : 2954.6/6

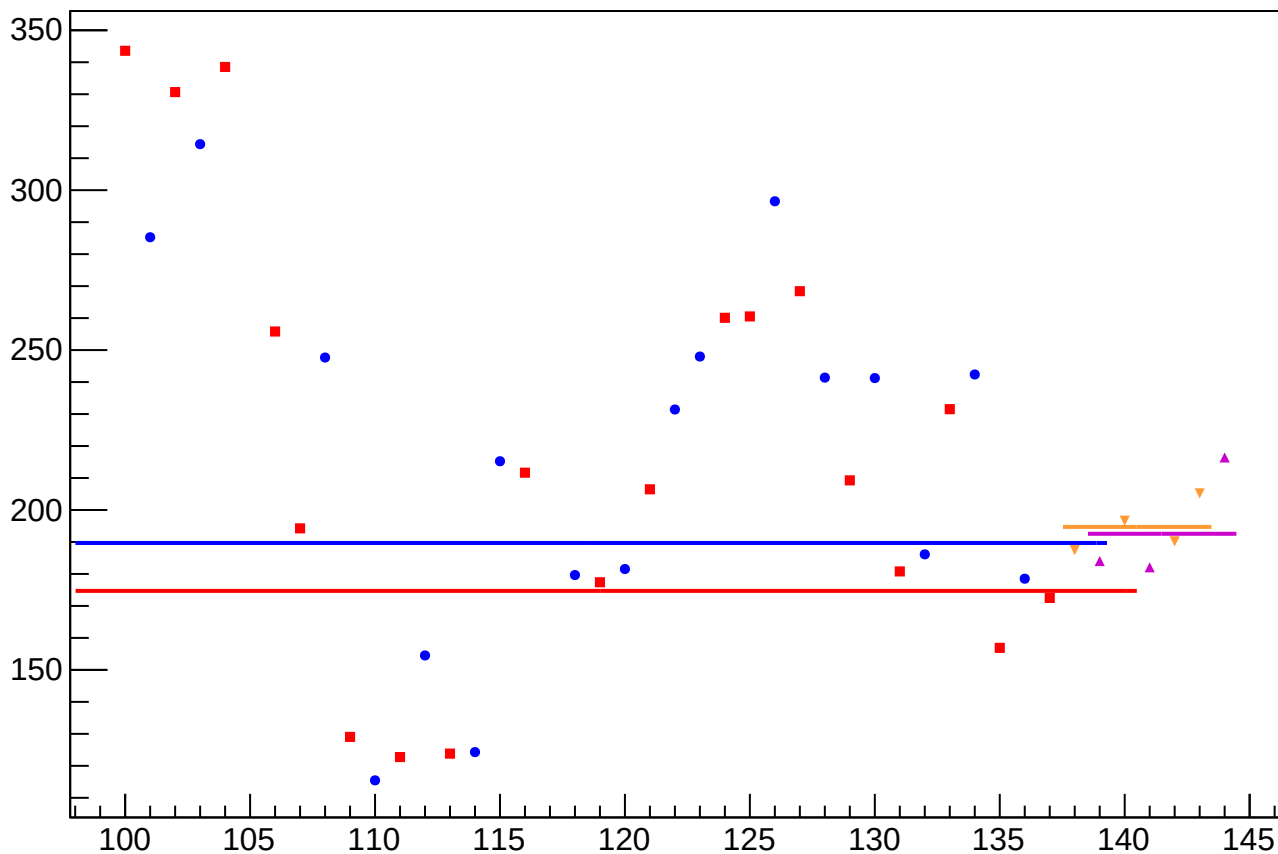
Right: -912.817+/-51.899 χ^2/NDF : 6641.4/35

In: -243.119+/-65.892 χ^2/NDF : 5481.6/19

Out: -1440.721+/-60.664 χ^2/NDF : 3936.3/22

All: -891.311+/-44.630 χ^2/NDF : 9596.6/42

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 189.687 ± 0.055 χ^2/NDF : 977199.2/16

Left Out: 194.709 ± 0.086 χ^2/NDF : 6254.3/3

Right Out: 174.707 ± 0.050 χ^2/NDF : 1291115.5/18

Left In: 192.562 ± 0.089 χ^2/NDF : 29059.4/2

Left: 193.674 ± 0.062 χ^2/NDF : 35614.7/6

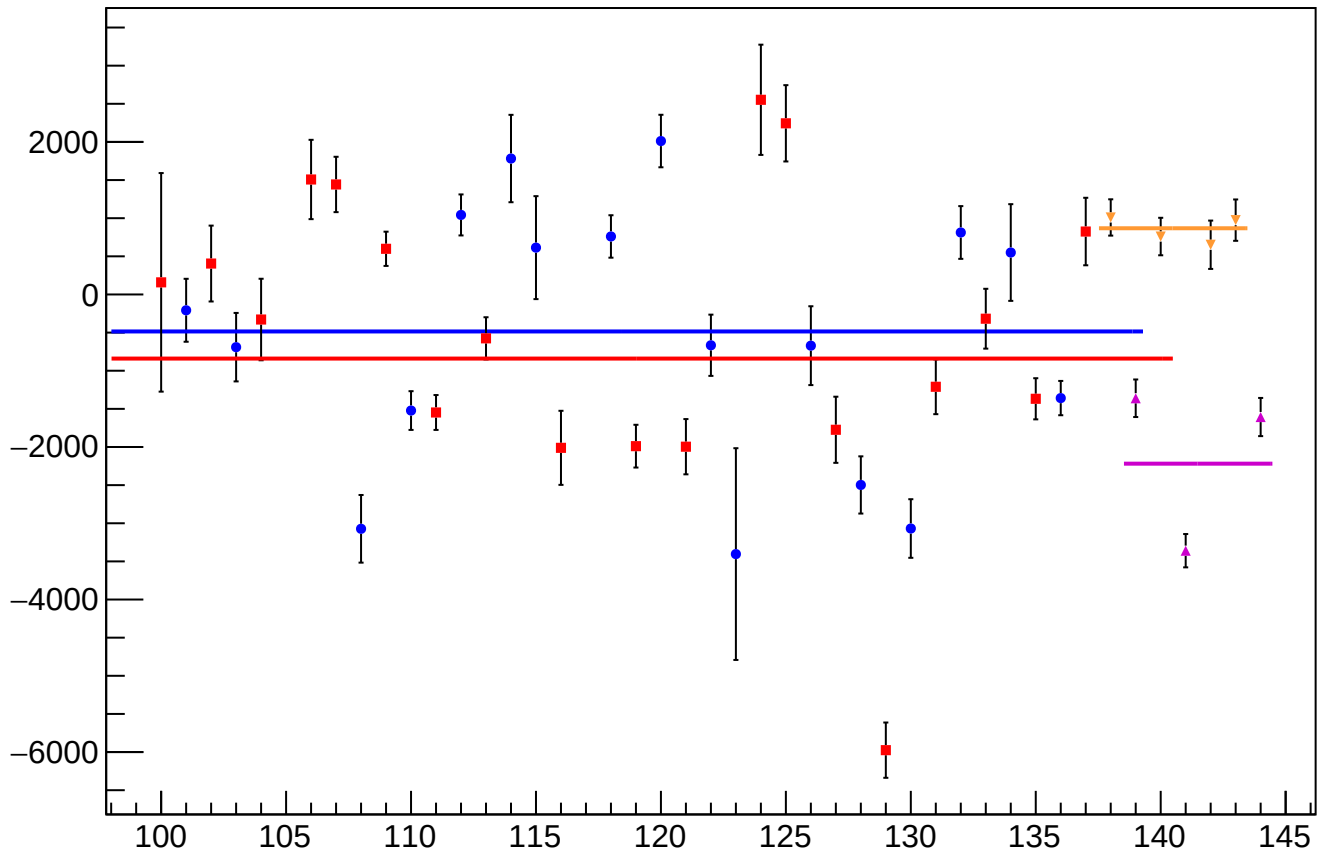
Right: 181.455 ± 0.037 χ^2/NDF : 2309563.7/35

In: 190.474 ± 0.047 χ^2/NDF : 1007015.8/19

Out: 179.692 ± 0.043 χ^2/NDF : 1338053.4/22

All: 184.638 ± 0.032 χ^2/NDF : 2374056.5/42

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -485.036+/-88.788 χ^2/NDF : 285.3/16

Left Out: 868.015+/-131.575 χ^2/NDF :1.2/3

Right Out: -840.594+/-82.233 χ^2/NDF : 438.2/18

Left In: -2218.625+/-136.845 χ^2/NDF :45.4/2

Left: -614.718+/-94.846 χ^2/NDF : 310.9/6

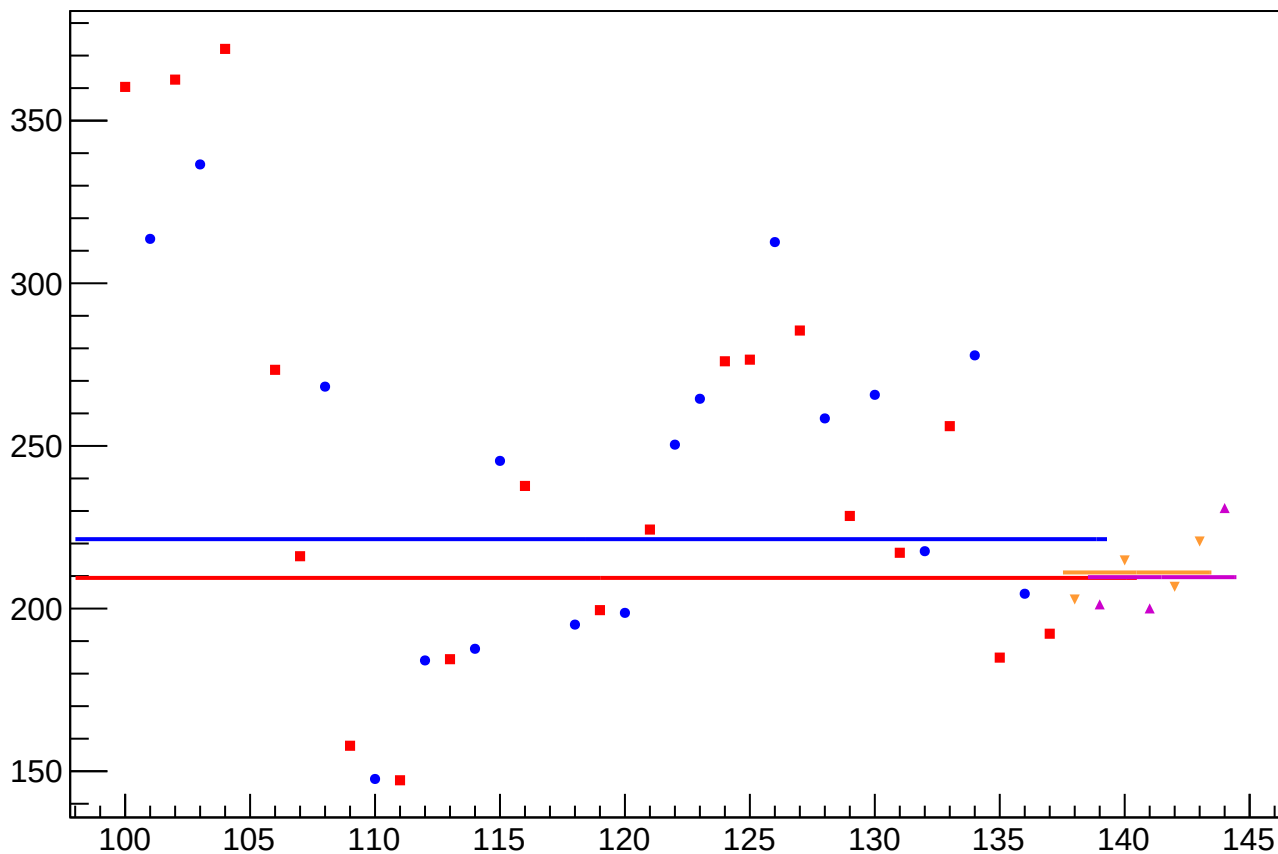
Right: -676.425+/-60.332 χ^2/NDF : 732.1/35

In: -998.622+/-74.484 χ^2/NDF :443.6/19

Out: -360.661+/-69.733 χ^2/NDF :560.7/22

All: -658.649+/-50.906 χ^2/NDF : 1043.4/42

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.339+/-0.063 χ^2/NDF : 645507.4/16

Left Out: 211.105+/-0.093 χ^2/NDF : 5745.0/3

Right Out: 209.428+/-0.058 χ^2/NDF : 879292.0/18

Left In: 209.656+/-0.097 χ^2/NDF : 20582.7/2

Left: 210.409+/-0.067 χ^2/NDF : 26444.3/6

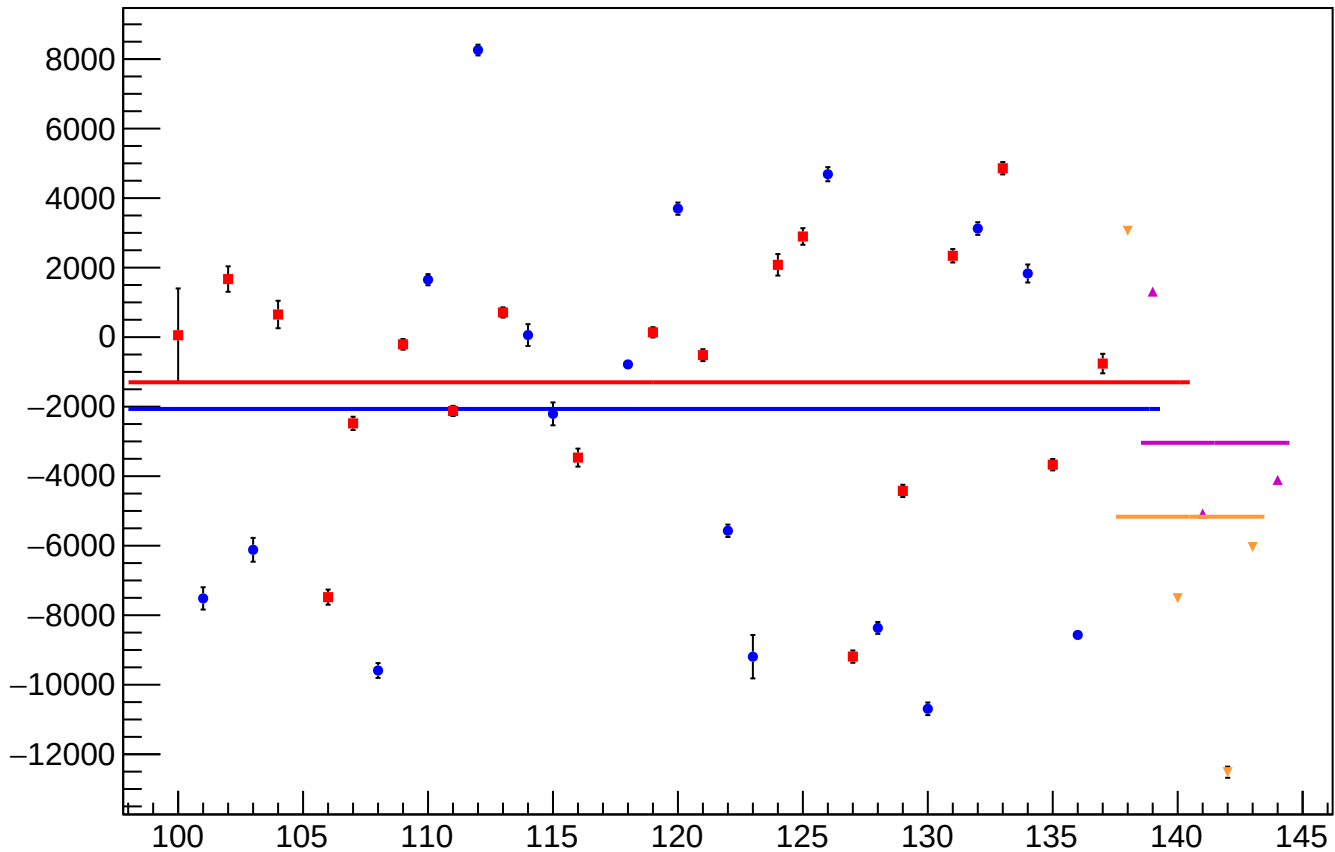
Right: 214.927+/-0.043 χ^2/NDF : 1544173.7/35

In: 217.878+/-0.053 χ^2/NDF : 676349.4/19

Out: 209.899+/-0.049 χ^2/NDF : 885270.6/22

All: 213.626+/-0.036 χ^2/NDF : 1573850.1/42

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2065.524+/-47.407 χ^2/NDF : 16535.7/16

Left Out: -5166.521+/-66.412 χ^2/NDF : 6539.1/3

Right Out: -1298.632+/-44.980 χ^2/NDF : 5909.5/18

Left In: -3039.308+/-70.162 χ^2/NDF : 1402.6/2

Left: -4161.278+/-48.232 χ^2/NDF : 8426.5/6

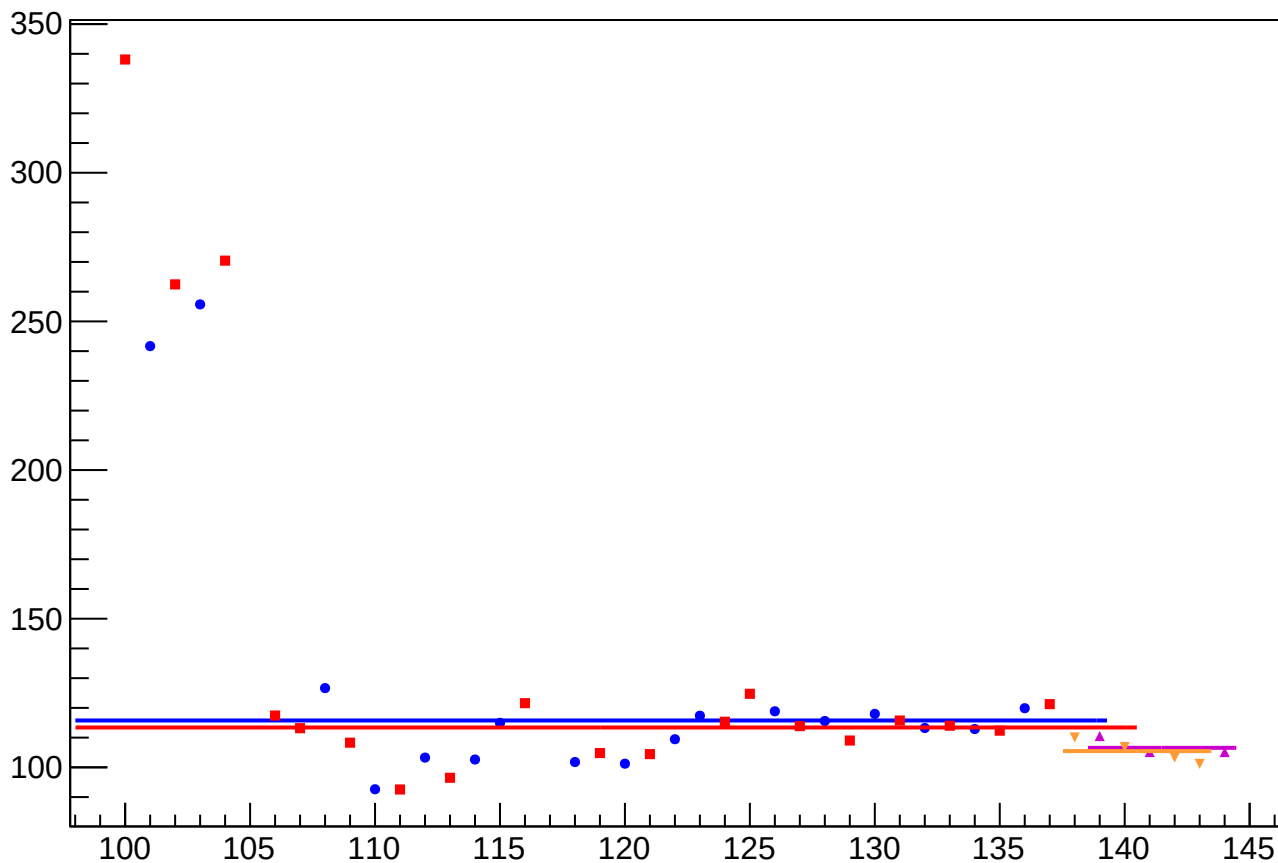
Right: -1661.949+/-32.630 χ^2/NDF : 22582.8/35

In: -2370.745+/-39.281 χ^2/NDF : 18070.5/19

Out: -2514.953+/-37.242 χ^2/NDF : 14773.9/22

All: -2446.688+/-27.026 χ^2/NDF : 32851.5/42

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 115.768 $\pm$ 0.034 χ^2 /NDF: 743657.8/16

Left Out: 105.478 $\pm$ 0.047 χ^2 /NDF: 5464.3/3

Right Out: 113.410 $\pm$ 0.032 χ^2 /NDF: 795303.3/18

Left In: 106.564 $\pm$ 0.050 χ^2 /NDF: 2278.6/2

Left: 105.991 $\pm$ 0.034 χ^2 /NDF: 7995.5/6

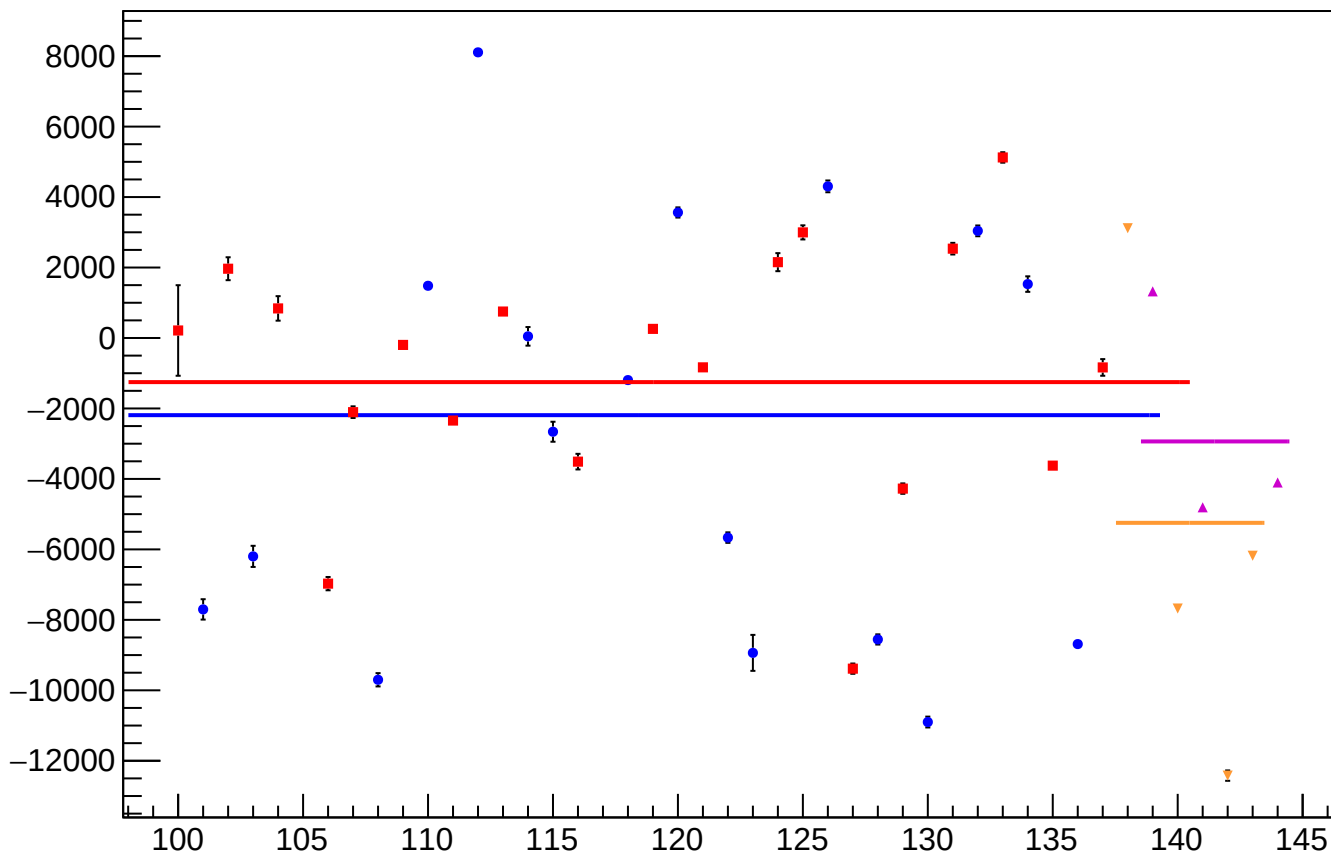
Right: 114.527 $\pm$ 0.023 χ^2 /NDF: 1541564.1/35

In: 112.883 $\pm$ 0.028 χ^2 /NDF: 769565.1/19

Out: 110.916 $\pm$ 0.026 χ^2 /NDF: 820325.6/22

All: 111.847 $\pm$ 0.019 χ^2 /NDF: 1592532.1/42

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2190.242+/-40.008 χ^2/NDF : 22811.0/16

Left Out: -5246.269+/-60.203 χ^2/NDF : 7919.7/3

Right Out: -1252.225+/-38.029 χ^2/NDF : 8581.9/18

Left In: -2936.084+/-65.155 χ^2/NDF : 1559.4/2

Left: -4182.296+/-44.217 χ^2/NDF : 10157.3/6

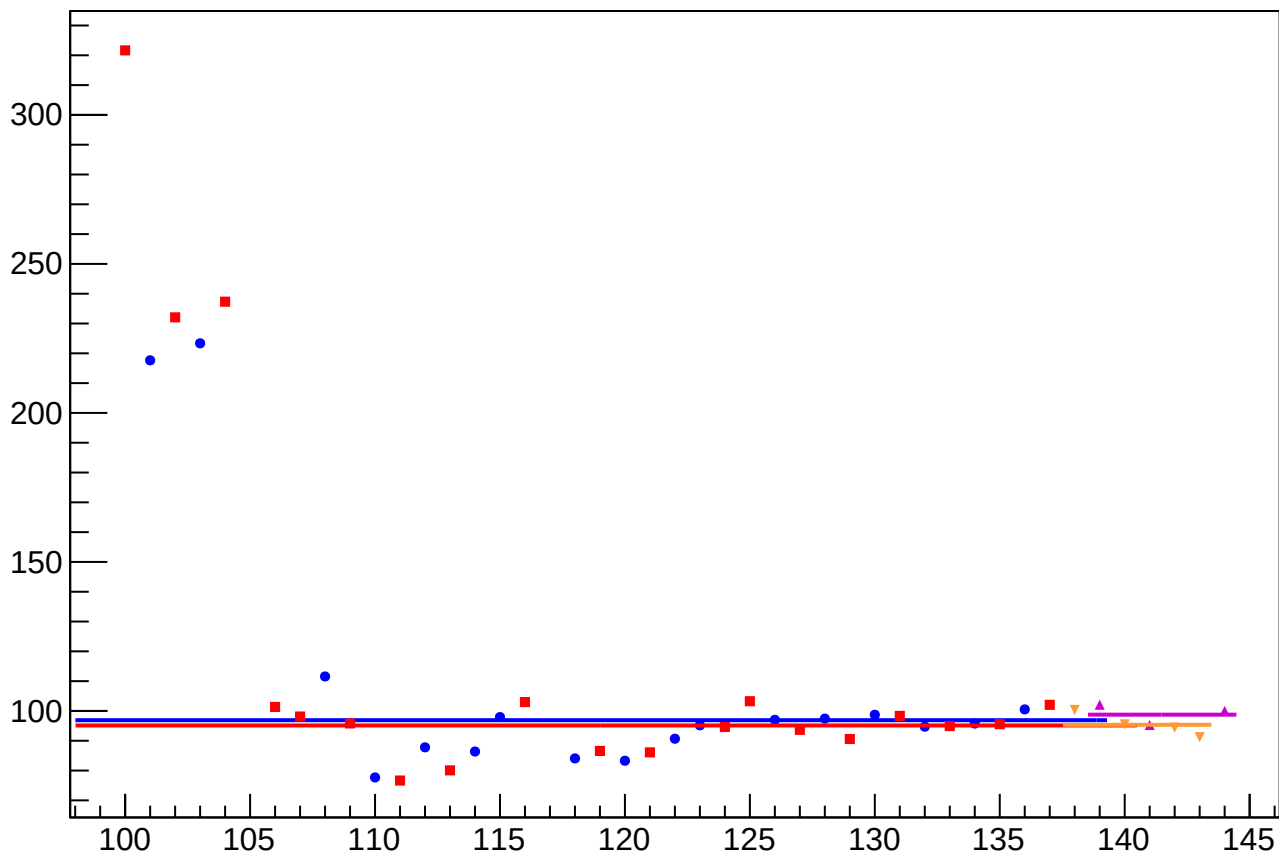
Right: -1697.452+/-27.564 χ^2/NDF : 31681.6/35

In: -2394.463+/-34.094 χ^2/NDF : 24465.6/19

Out: -2391.367+/-32.151 χ^2/NDF : 19647.7/22

All: -2392.824+/-23.391 χ^2/NDF : 44113.2/42

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 96.898 $\pm$ 0.028 χ^2 /NDF: 817255.1/16

Left Out: 95.355 $\pm$ 0.043 χ^2 /NDF: 6358.8/3

Right Out: 95.130 $\pm$ 0.027 χ^2 /NDF: 858457.3/18

Left In: 98.752 $\pm$ 0.046 χ^2 /NDF: 3816.5/2

Left: 96.920 $\pm$ 0.031 χ^2 /NDF: 13107.0/6

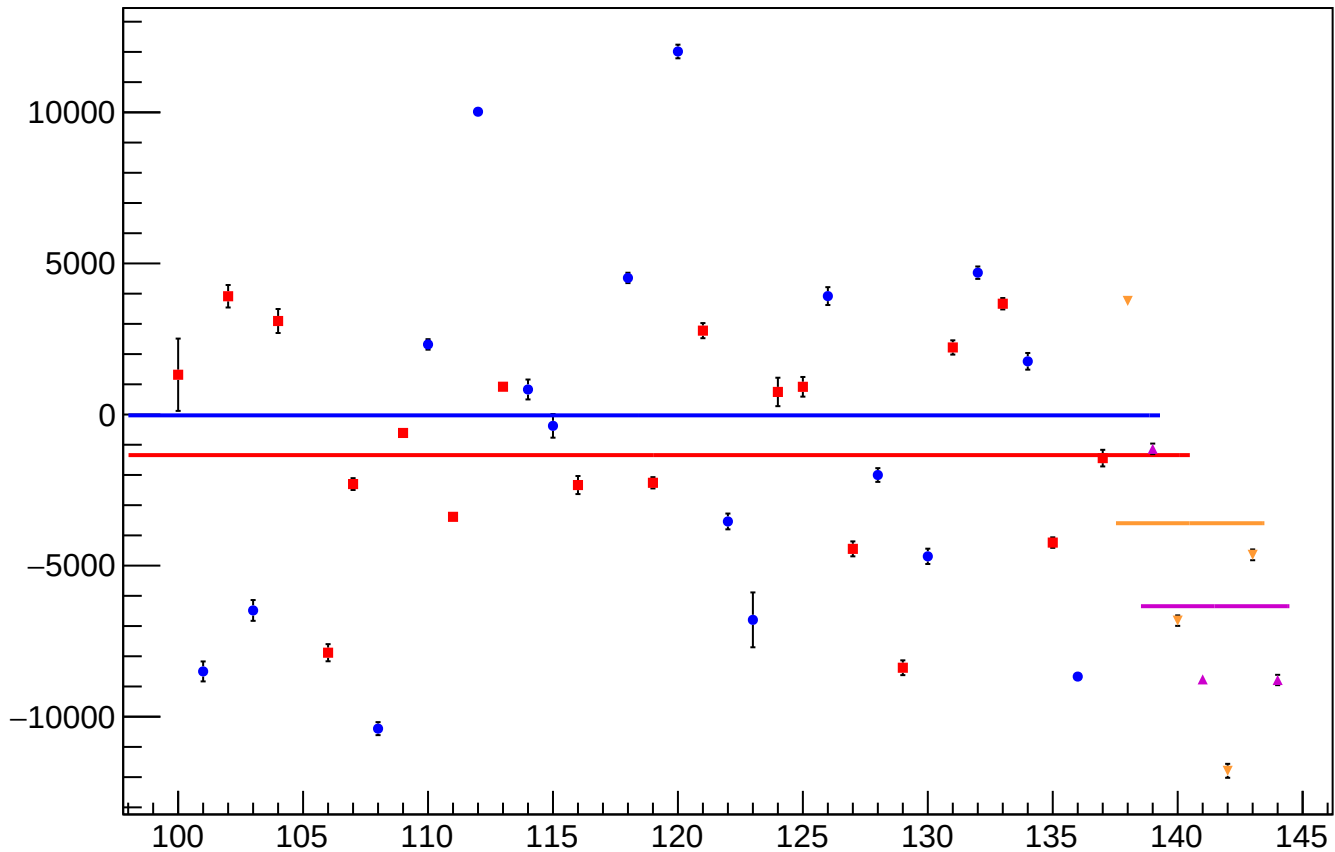
Right: 95.969 $\pm$ 0.019 χ^2 /NDF: 1677765.8/35

In: 97.406 $\pm$ 0.024 χ^2 /NDF: 822246.8/19

Out: 95.194 $\pm$ 0.023 χ^2 /NDF: 864836.2/22

All: 96.235 $\pm$ 0.017 χ^2 /NDF: 1691538.2/42

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -27.457 ± 54.732 $\chi^2/\text{NDF}: 16364.6/16$

Left Out: -3597.192 ± 90.103 $\chi^2/\text{NDF}: 3800.2/3$

Right Out: -1343.122 ± 52.343 $\chi^2/\text{NDF}: 3846.7/18$

Left In: -6343.116 ± 98.131 $\chi^2/\text{NDF}: 1315.0/2$

Left: -4853.259 ± 66.369 $\chi^2/\text{NDF}: 5540.1/6$

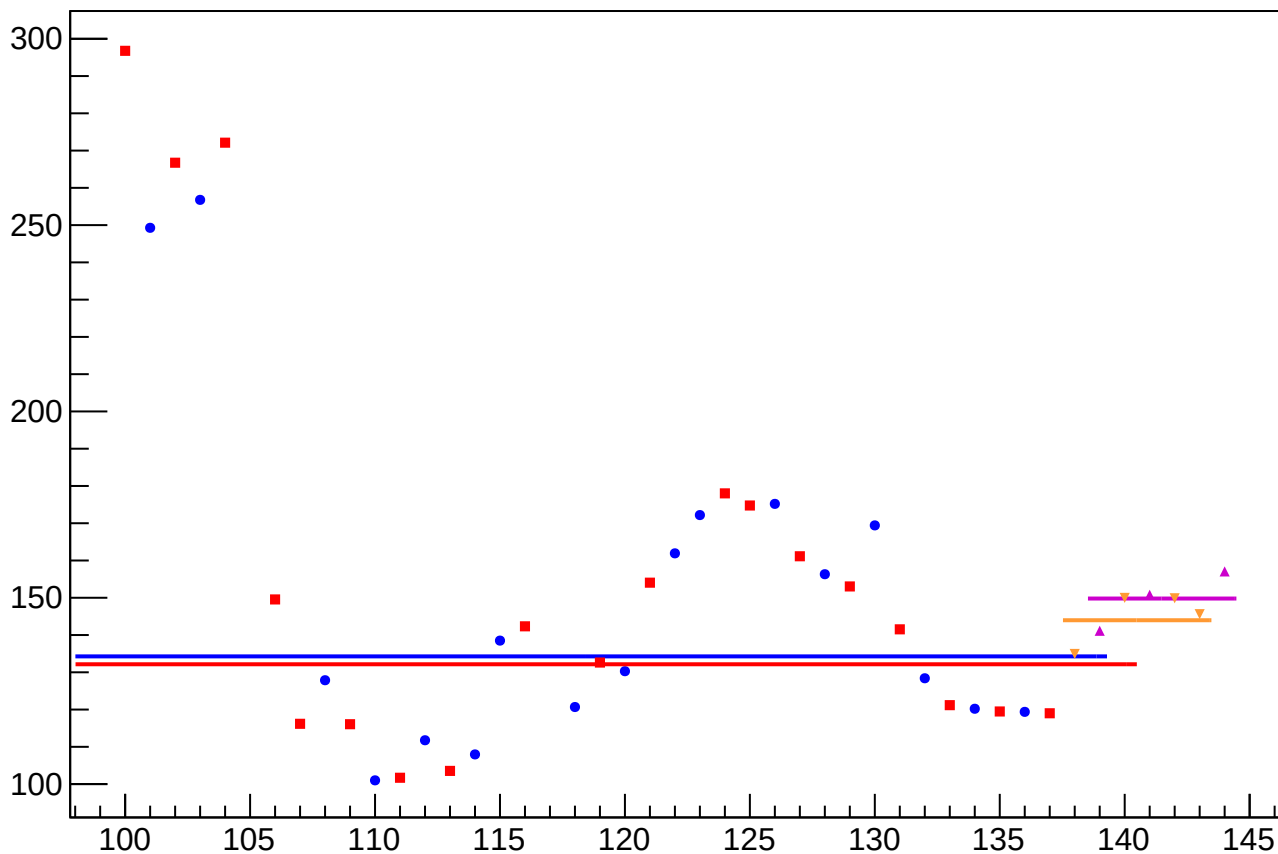
Right: -714.627 ± 37.829 $\chi^2/\text{NDF}: 20513.1/35$

In: -1525.975 ± 47.800 $\chi^2/\text{NDF}: 20838.9/19$

Out: -1911.875 ± 45.260 $\chi^2/\text{NDF}: 8114.8/22$

All: -1729.448 ± 32.865 $\chi^2/\text{NDF}: 28988.1/42$

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 134.270+/-0.039 χ^2/NDF : 787098.5/16

Left Out: 143.969+/-0.064 χ^2/NDF :10399.7/3

Right Out: 132.155+/-0.037 χ^2/NDF : 865020.1/18

Left In: 149.793+/-0.069 χ^2/NDF :8642.8/2

Left: 146.633+/-0.047 χ^2/NDF : 22864.6/6

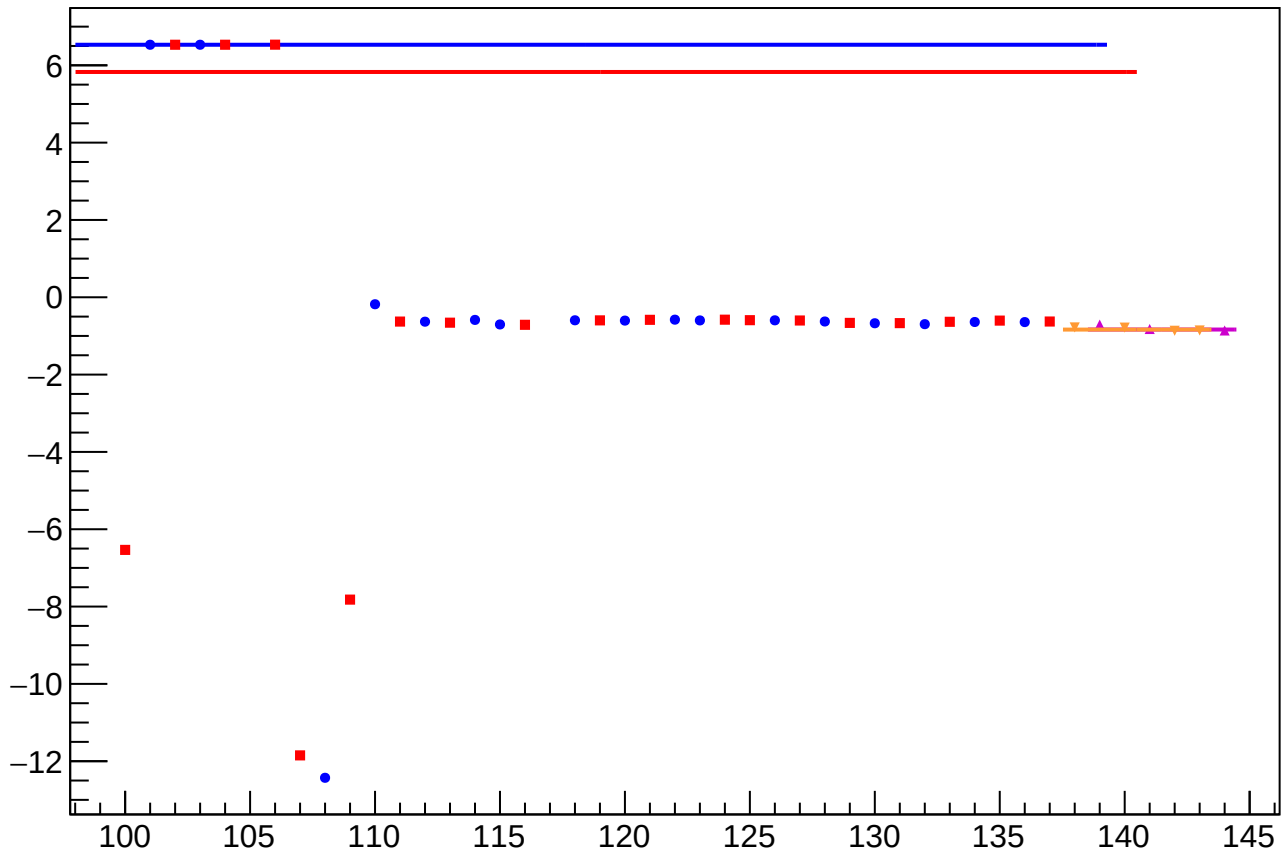
Right: 133.165+/-0.027 χ^2/NDF : 1653679.5/35

In: 137.953+/-0.034 χ^2/NDF :833910.1/19

Out: 135.136+/-0.032 χ^2/NDF :901128.1/22

All: 136.468+/-0.023 χ^2/NDF : 1738702.6/42

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532+/-0.000 χ^2/NDF : 127565119308.7/16

Left Out: -0.836+/-0.000 χ^2/NDF : 2790577.7/3

Right Out: 5.827+/-0.000 χ^2/NDF : 755947318870738.2/18

Left In: -0.834+/-0.000 χ^2/NDF : 3350375.9/2

Left: -0.835+/-0.000 χ^2/NDF : 6142719.7/6

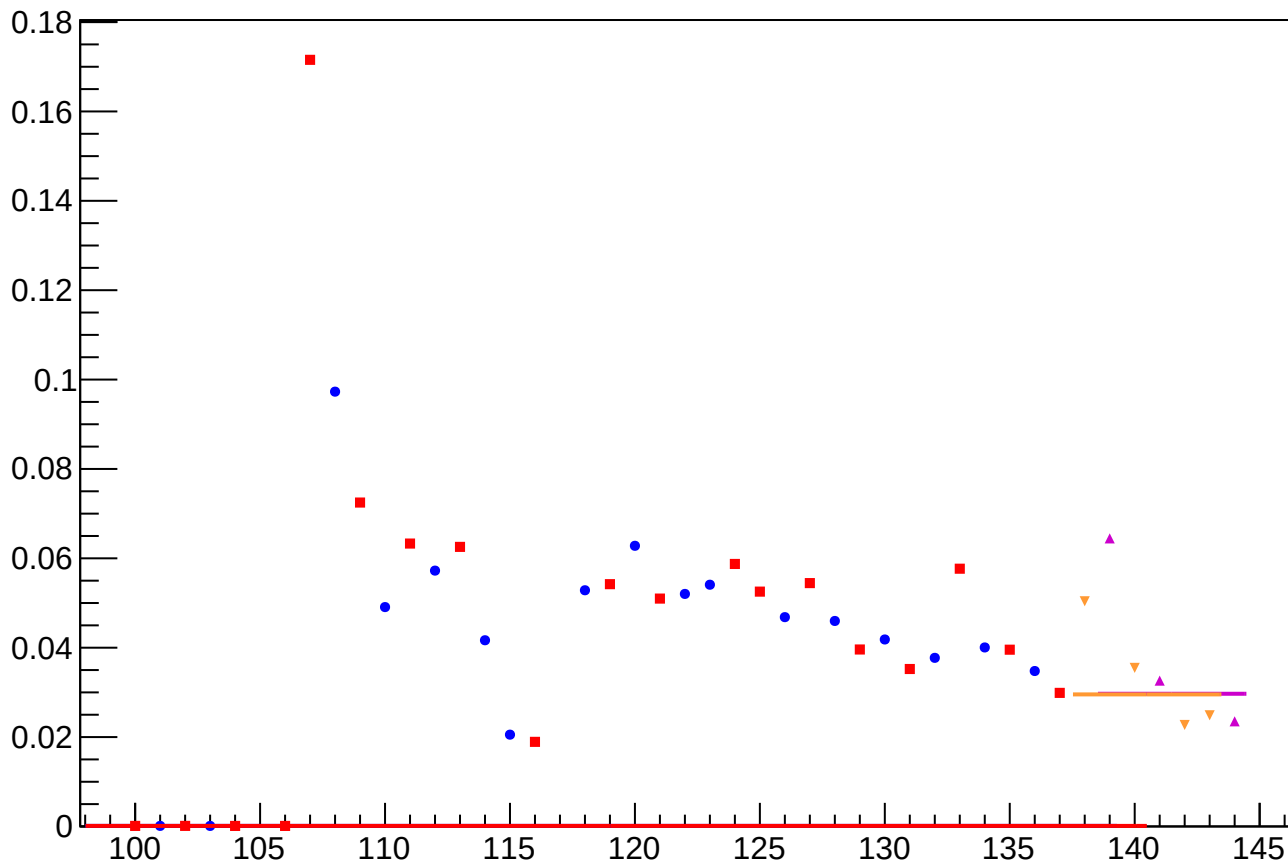
Right: 6.155+/-0.000 χ^2/NDF : 776078051369928.0/19

In: 6.531+/-0.000 χ^2/NDF : 226693824828.4/19

Out: 5.827+/-0.000 χ^2/NDF : 756036560889253.1/2

All: 6.155+/-0.000 χ^2/NDF : 77626552136526.0/19

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9008104.3/16

Left Out: 0.030+/-0.000 χ^2/NDF : 325156.4/3

Right Out: 0.000+/-0.000 χ^2/NDF : 9347467.6/18

Left In: 0.030+/-0.000 χ^2/NDF : 476856.1/2

Left: 0.030+/-0.000 χ^2/NDF : 802051.1/6

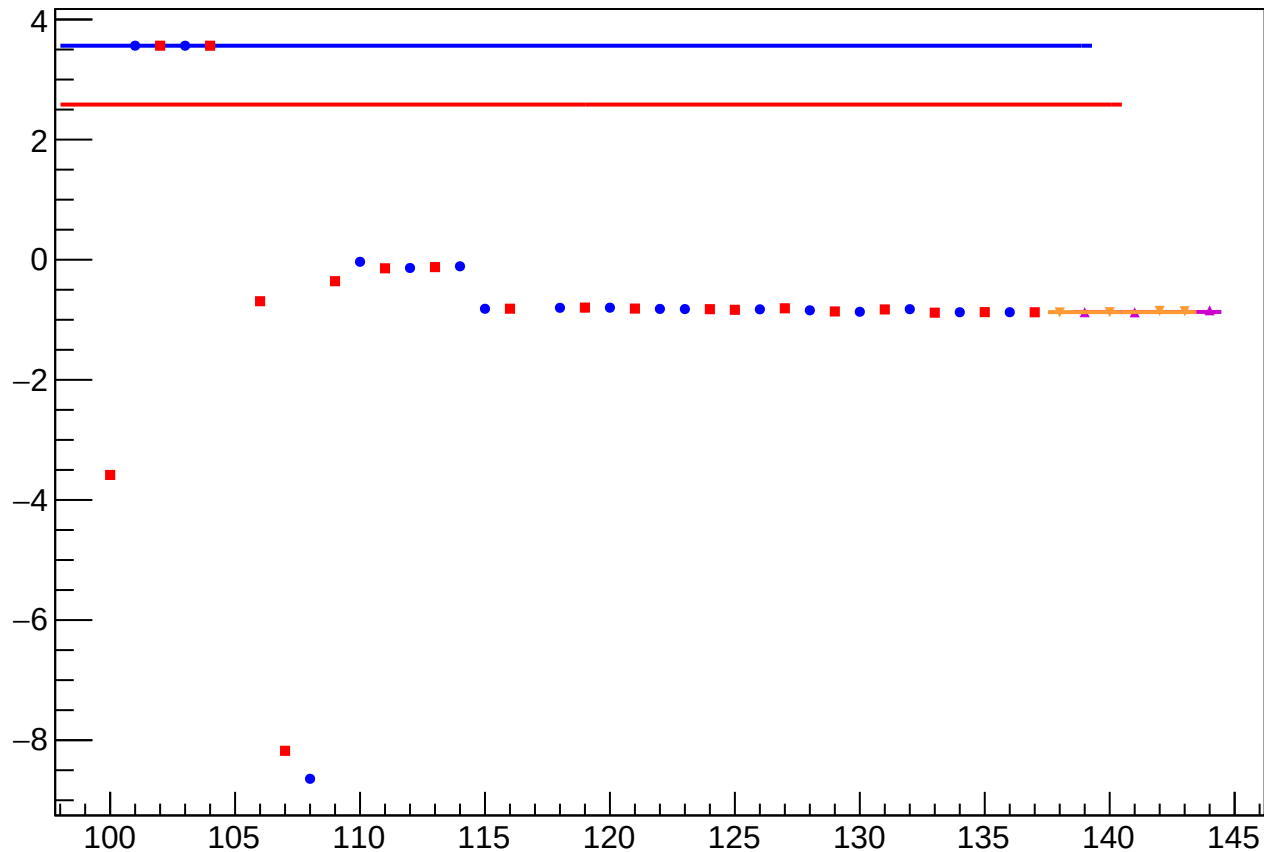
Right: 0.000+/-0.000 χ^2/NDF : 18355822.2/35

In: 0.000+/-0.000 χ^2/NDF : 12679268.7/19

Out: 0.000+/-0.000 χ^2/NDF : 13153707.8/22

All: 0.000+/-0.000 χ^2/NDF : 25833236.8/42

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 : 1763664.6/3

Right Out: 2.583+/-0.000 χ^2/NDF : 1253504623679499.2/18

Left In: -0.870+/-0.000 χ^2/NDF : 4001922.0/2

Left: -0.871+/-0.000 χ^2/NDF : 5856779.1/6

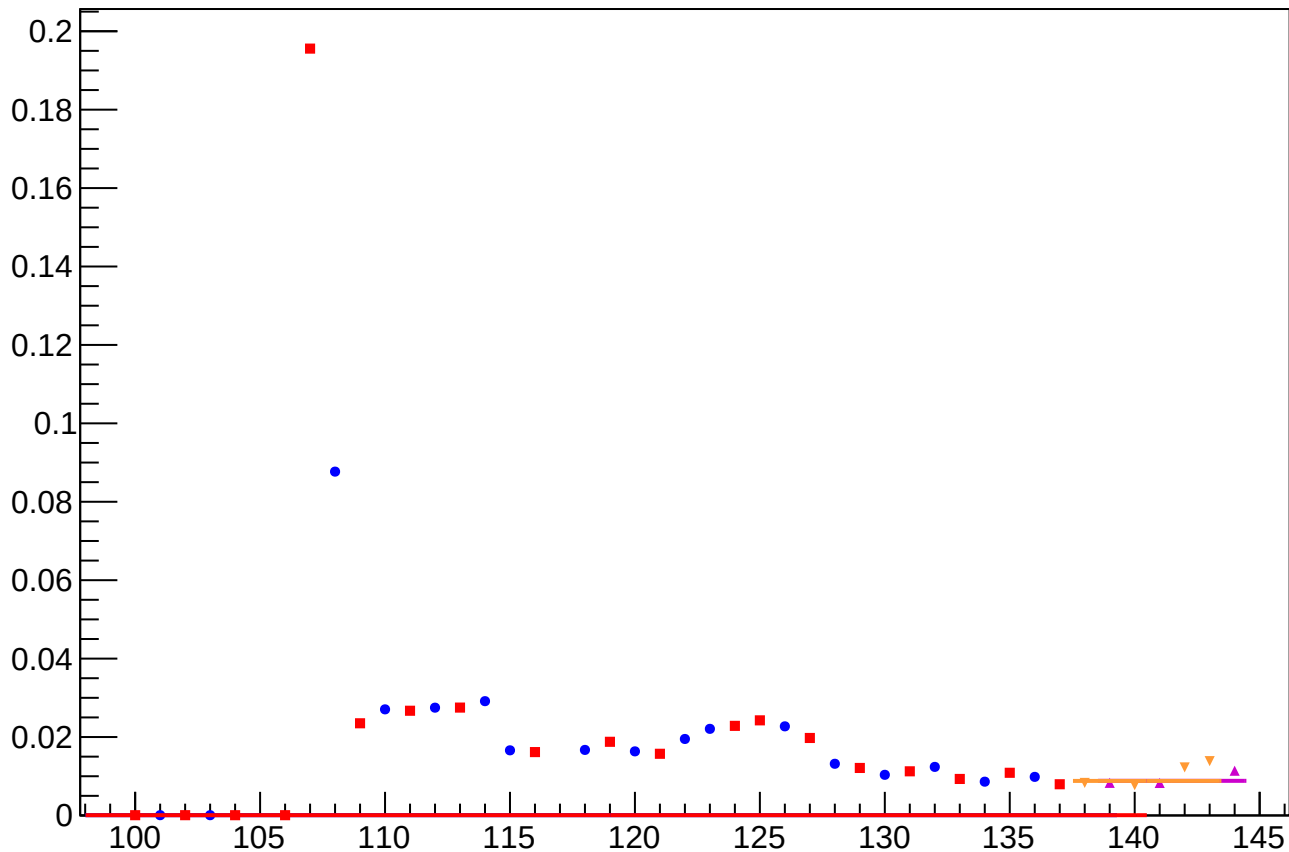
Right: 3.040+/-0.000 χ^2/NDF : 1382260831198329.0

In: 3.563+/-0.000 χ^2/NDF : 991859462988.5/19

Out: 2.583+/-0.000 χ^2/NDF : 1253832281440781.8

All: 3.040+/-0.000 χ^2/NDF : 13830751779494.0

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 : 207193.8/3

Right Out: 0.000+/-0.000 χ^2/NDF : 9837255.2/18

Left In: 0.009+/-0.000 χ^2/NDF : 70566.4/2

Left: 0.009+/-0.000 χ^2/NDF : 277773.0/6

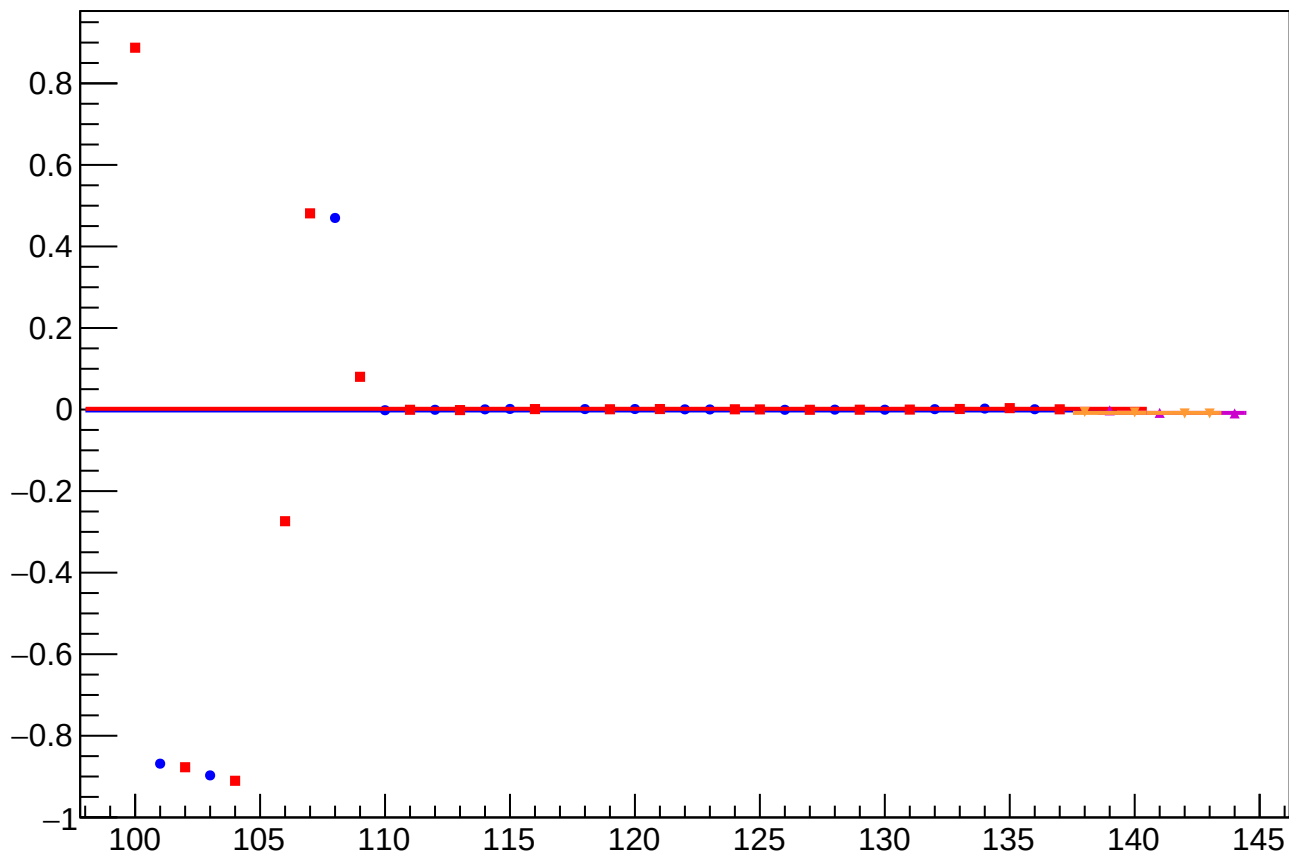
Right: 0.000+/-0.000 χ^2/NDF : 19651558.2/35

In: 0.000+/-0.000 χ^2/NDF : 13843787.8/19

Out: 0.000+/-0.000 χ^2/NDF : 14236369.9/22

All: 0.000+/-0.000 χ^2/NDF : 28080475.9/42

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.000

χ^2/NDF : 9795455603.3/16

Left Out: -0.008+/-0.000

χ^2/NDF : 2114552.4/3

Right Out: 0.002+/-0.000

χ^2/NDF : 3041330797.2/18

Left In: -0.008+/-0.000

χ^2/NDF : 3363279.1/2

Left: -0.008+/-0.000

χ^2/NDF : 5477840.8/6

Right: -0.000+/-0.000

χ^2/NDF : 12850553248.4/35

In: -0.004+/-0.000

χ^2/NDF : 9817620576.8/19

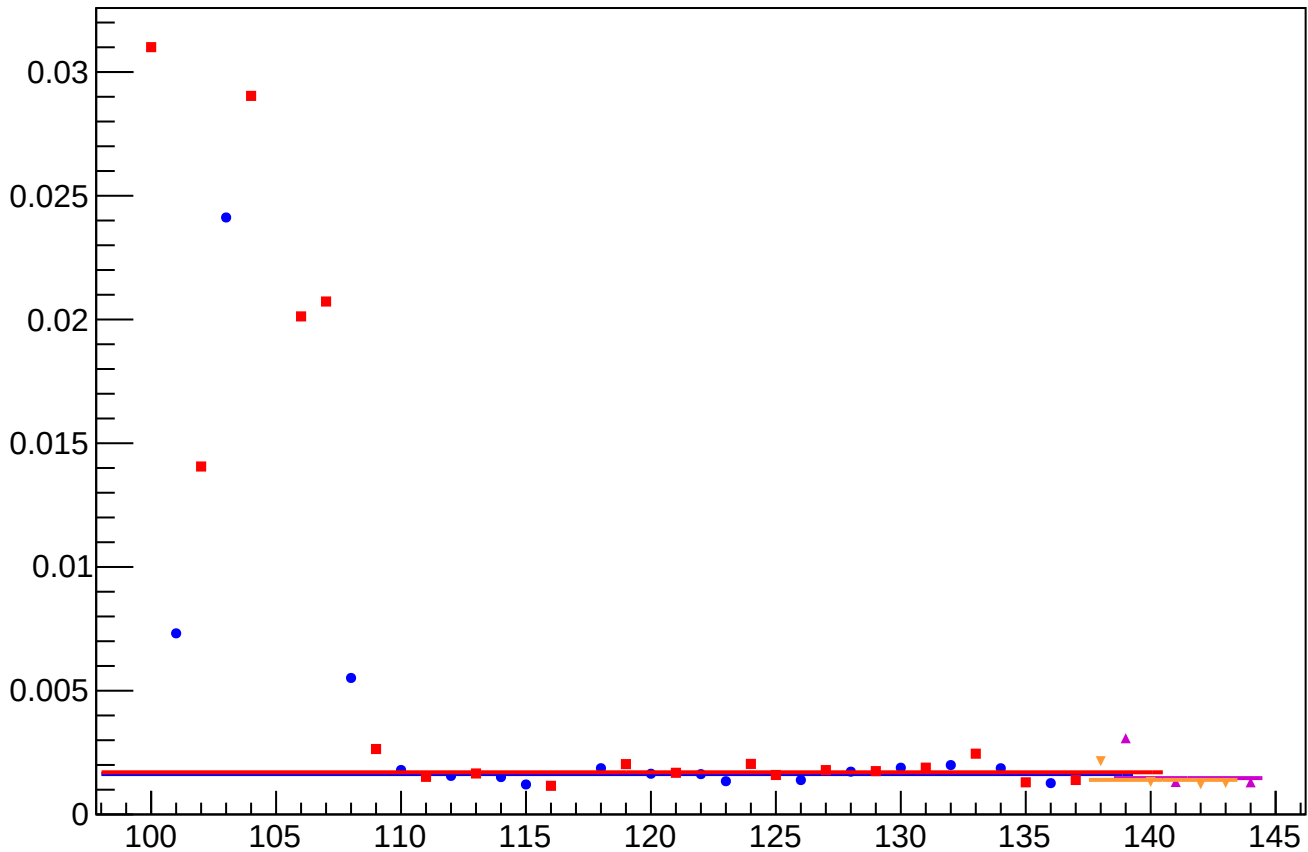
Out: -0.002+/-0.000

χ^2/NDF : 3101400019.8/22

All: -0.003+/-0.000

χ^2/NDF : 12925177974.2/100

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 1922148.8/16

Left Out: 0.001+/-0.000 χ^2/NDF : 172659.5/3

Right Out: 0.002+/-0.000 χ^2/NDF : 3024458.4/18

Left In: 0.001+/-0.000 χ^2/NDF : 407287.4/2

Left: 0.001+/-0.000 χ^2/NDF : 584254.5/6

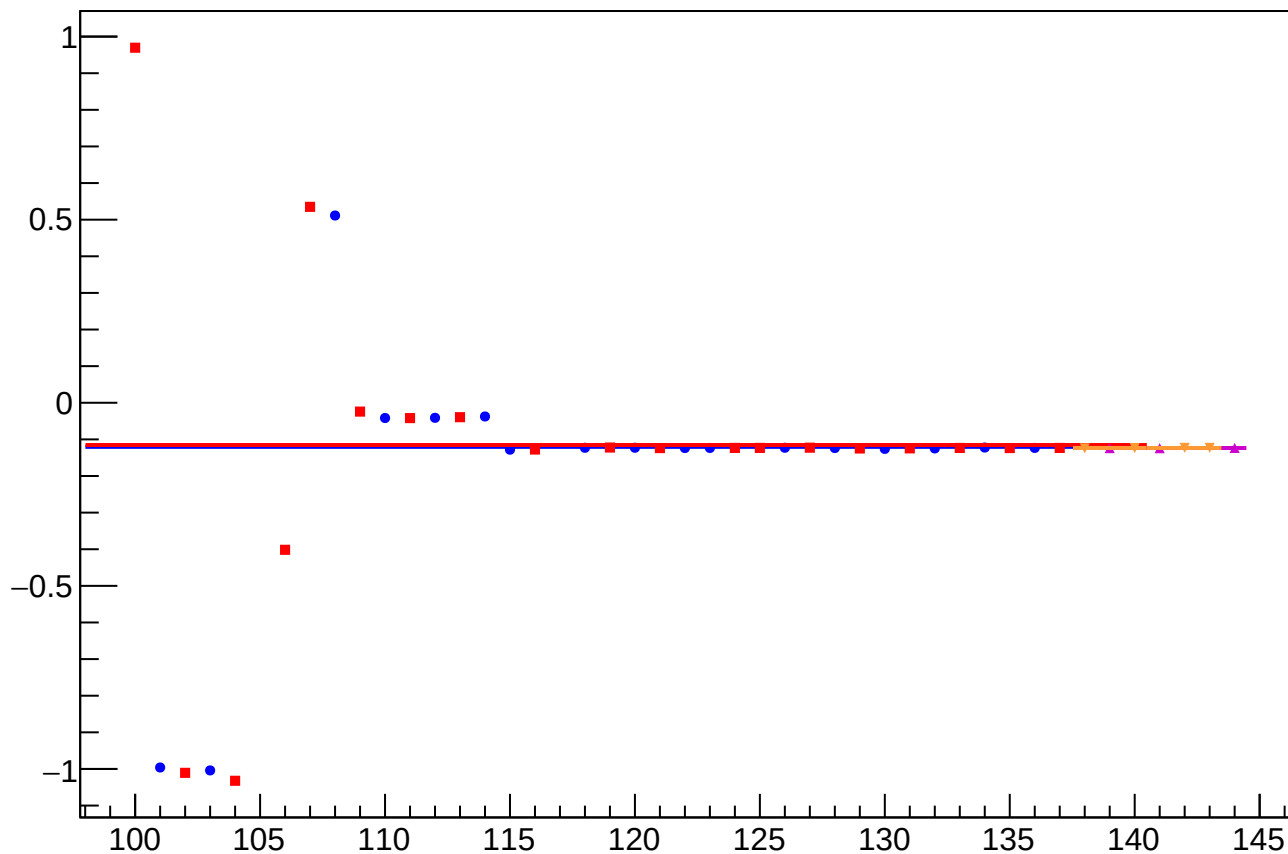
Right: 0.002+/-0.000 χ^2/NDF : 4954975.3/35

In: 0.002+/-0.000 χ^2/NDF : 2357772.1/19

Out: 0.002+/-0.000 χ^2/NDF : 3304731.4/22

All: 0.002+/-0.000 χ^2/NDF : 5662688.5/42

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 : 429889.1/3

Right Out: -0.115+/-0.000 χ^2/NDF : 2456433698.5/18

Left In: -0.124+/-0.000 χ^2/NDF : 239091.2/2

Left: -0.123+/-0.000 χ^2/NDF : 681874.0/6

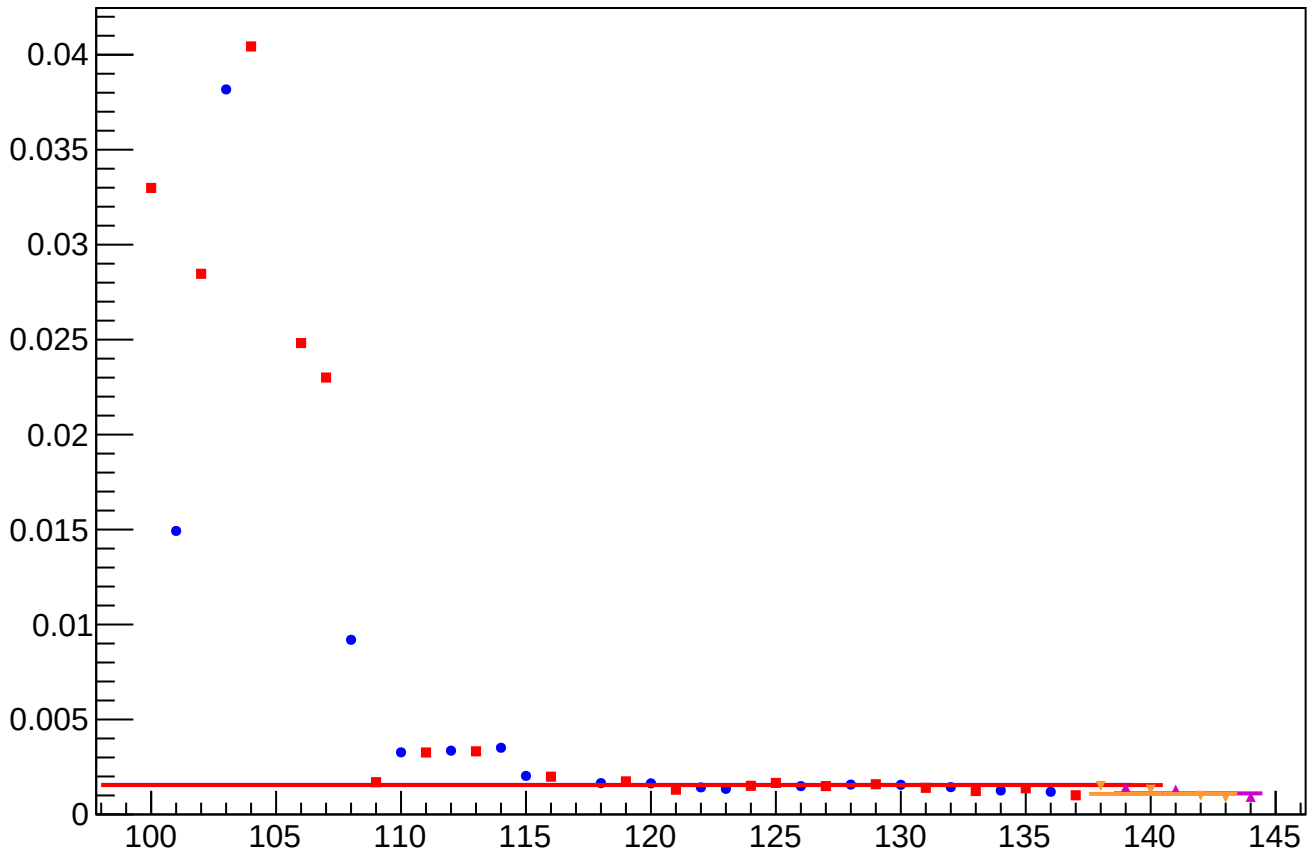
Right: -0.118+/-0.000 χ^2/NDF : 6412289085.1/35

In: -0.122+/-0.000 χ^2/NDF : 3942144181.2/19

Out: -0.119+/-0.000 χ^2/NDF : 2518197710.4/22

All: -0.121+/-0.000 χ^2/NDF : 6470936659.7/4

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2898219.2/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:212271.6/3

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3535649.7/18

Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:151916.0/2

Left: 0.001 $\pm$ 0.000 χ^2 /NDF: 365645.1/6

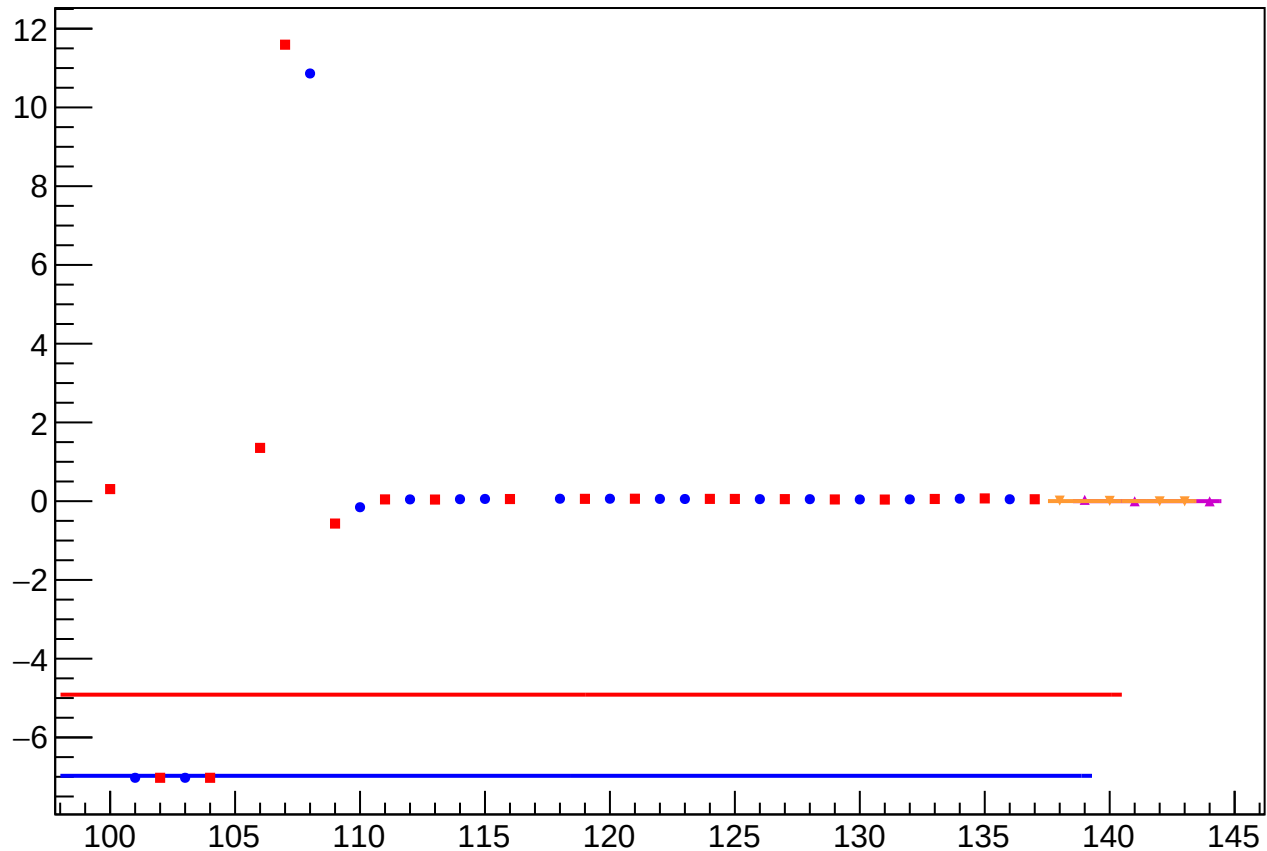
Right: 0.002 $\pm$ 0.000 χ^2 /NDF: 6434006.7/35

In: 0.001 $\pm$ 0.000 χ^2 /NDF:3402444.6/19

Out: 0.001 $\pm$ 0.000 χ^2 /NDF:4161162.4/22

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 7567984.0/42

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 : 1414477.2/3

Right Out: -4.914+/-0.000 χ^2/NDF : 365352656389636.4/18

Left In: 0.000+/-0.000 χ^2/NDF : 2636832.8/2

Left: 0.001+/-0.000 χ^2/NDF : 4085656.4/6

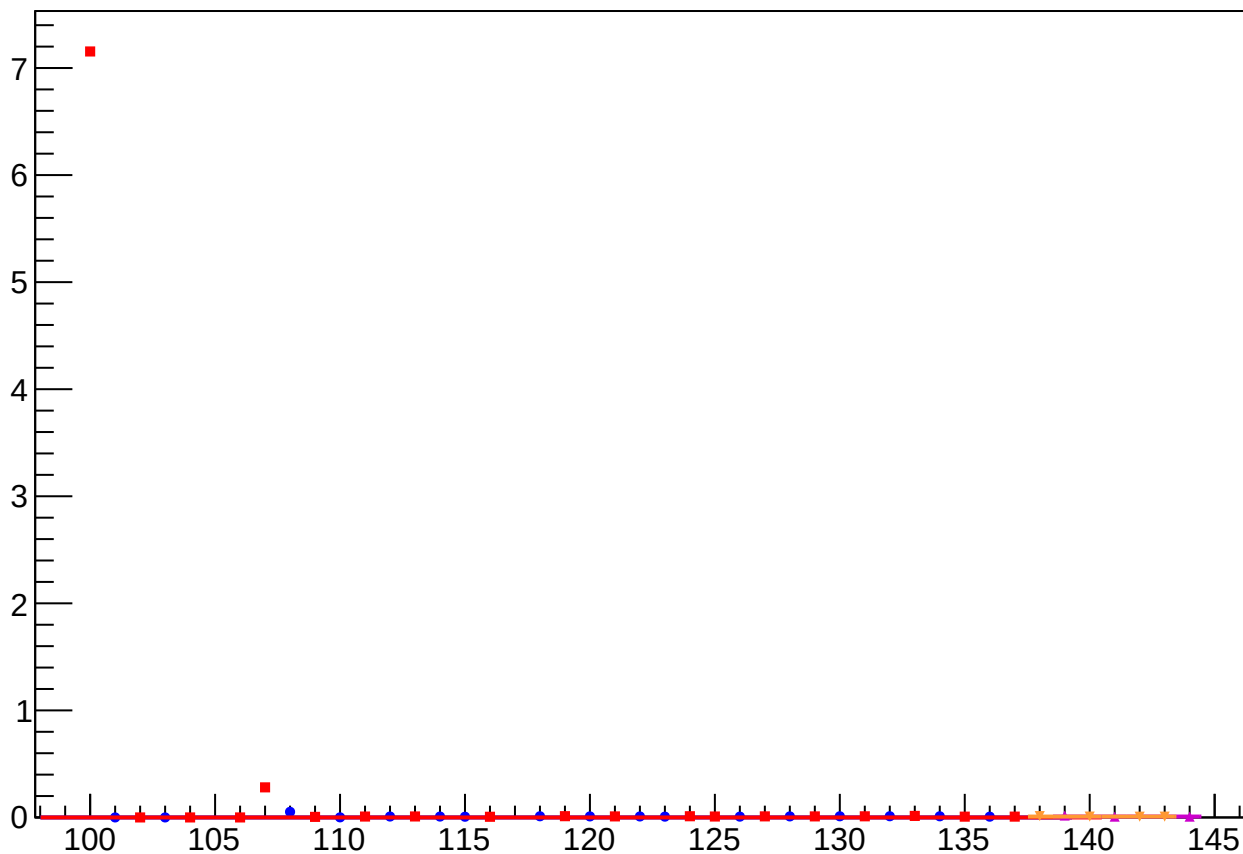
Right: -5.900+/-0.000 χ^2/NDF : 430333266539126.9

In: -6.968+/-0.000 χ^2/NDF : 9917701511353.4/19

Out: -4.909+/-0.000 χ^2/NDF : 365977987664291.2/18

All: -5.894+/-0.000 χ^2/NDF : 4320361670018

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 : 168012.0/3

Right Out: 0.000+/-0.000 χ^2/NDF : 8775433.1/18

Left In: 0.009+/-0.000 χ^2/NDF : 401683.5/2

Left: 0.008+/-0.000 χ^2/NDF : 570518.0/6

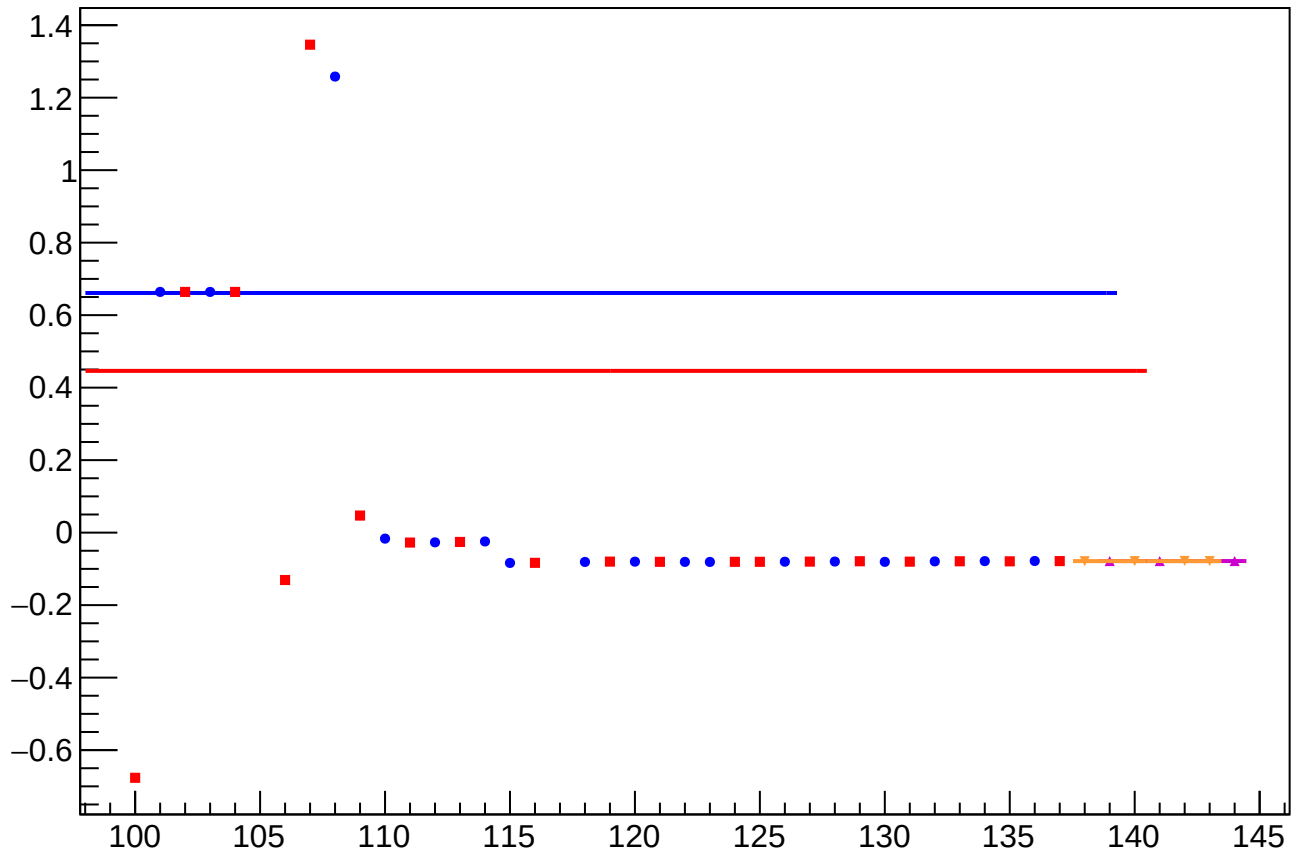
Right: 0.000+/-0.000 χ^2/NDF : 17126212.9/35

In: 0.000+/-0.000 χ^2/NDF : 11968837.4/19

Out: 0.000+/-0.000 χ^2/NDF : 12404088.6/22

All: 0.000+/-0.000 χ^2/NDF : 24373265.3/42

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 : 479983.2/3

Right Out: 0.446+/-0.000 χ^2/NDF : 405428422570886.0/18

Left In: -0.078+/-0.000 χ^2/NDF : 7541.4/2

Left: -0.078+/-0.000 χ^2/NDF : 566088.5/6

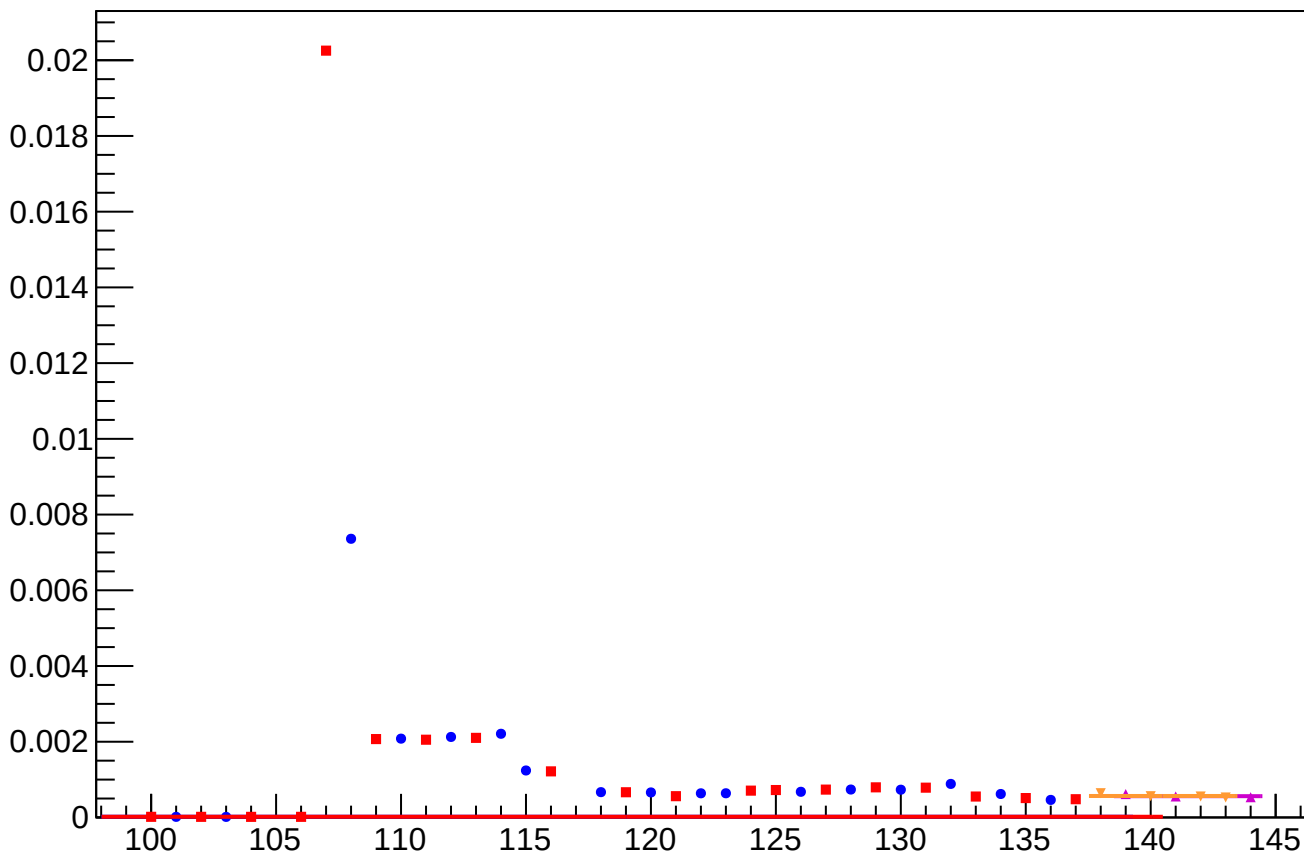
Right: 0.549+/-0.000 χ^2/NDF : 474000383494468.1

In: 0.659+/-0.000 χ^2/NDF : 9581879254527.0/19

Out: 0.445+/-0.000 χ^2/NDF : 407537344039421.8/2

All: 0.547+/-0.000 χ^2/NDF : 47983664160917

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 :26143.9/3

Right Out: 0.000+/-0.000 χ^2/NDF : 9460895.3/18

Left In: 0.001+/-0.000 χ^2/NDF :15180.5/2

Left: 0.001+/-0.000 χ^2/NDF : 41516.6/6

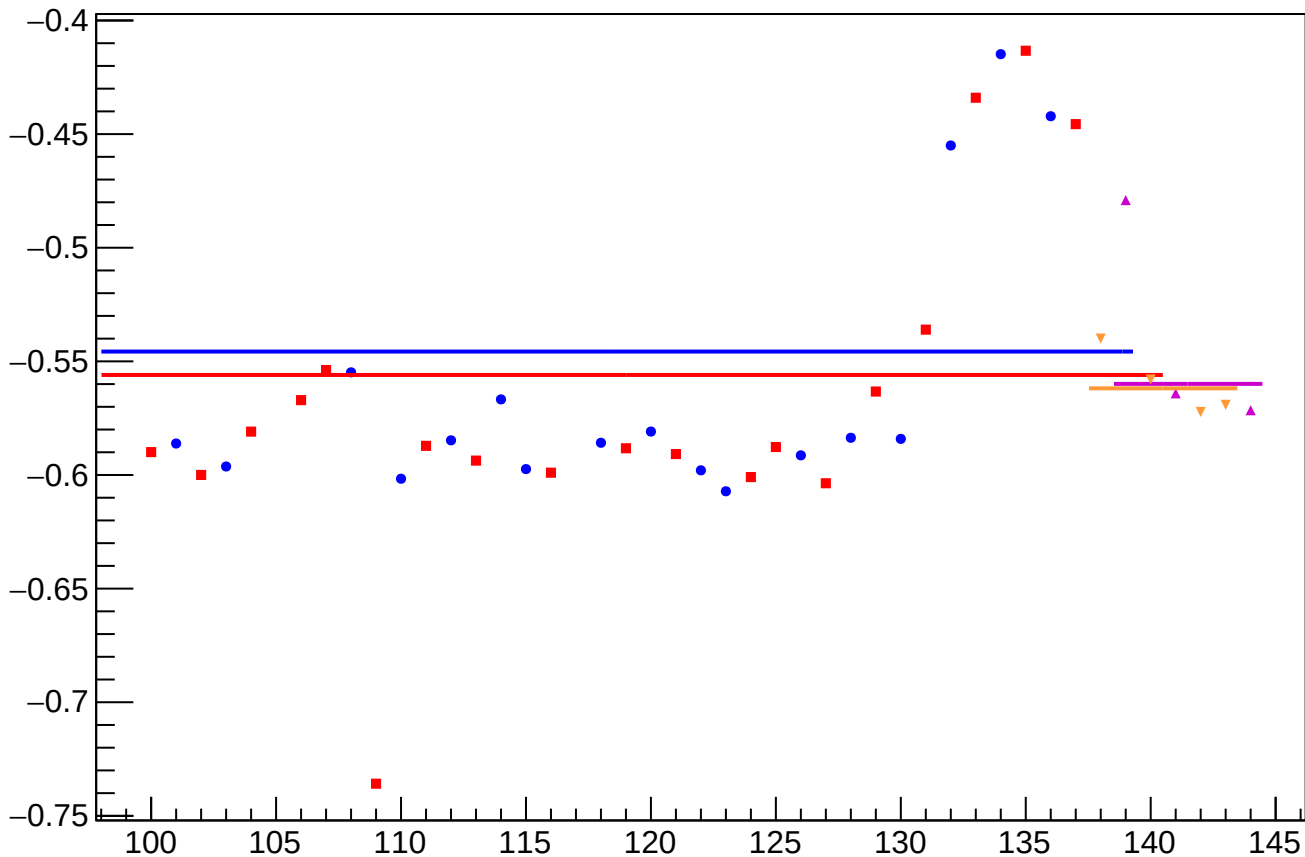
Right: 0.000+/-0.000 χ^2/NDF : 19419231.6/35

In: 0.000+/-0.000 χ^2/NDF :14213735.4/19

Out: 0.000+/-0.000 χ^2/NDF :14099921.6/22

All: 0.000+/-0.000 χ^2/NDF : 28313683.7/42

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.546+/-0.000 χ^2/NDF : 46331446.0/16

Left Out: -0.562+/-0.000 χ^2/NDF : 596117.0/3

Right Out: -0.556+/-0.000 χ^2/NDF : 64058429.8/18

Left In: -0.560+/-0.000 χ^2/NDF : 3003727.6/2

Left: -0.561+/-0.000 χ^2/NDF : 3609342.6/6

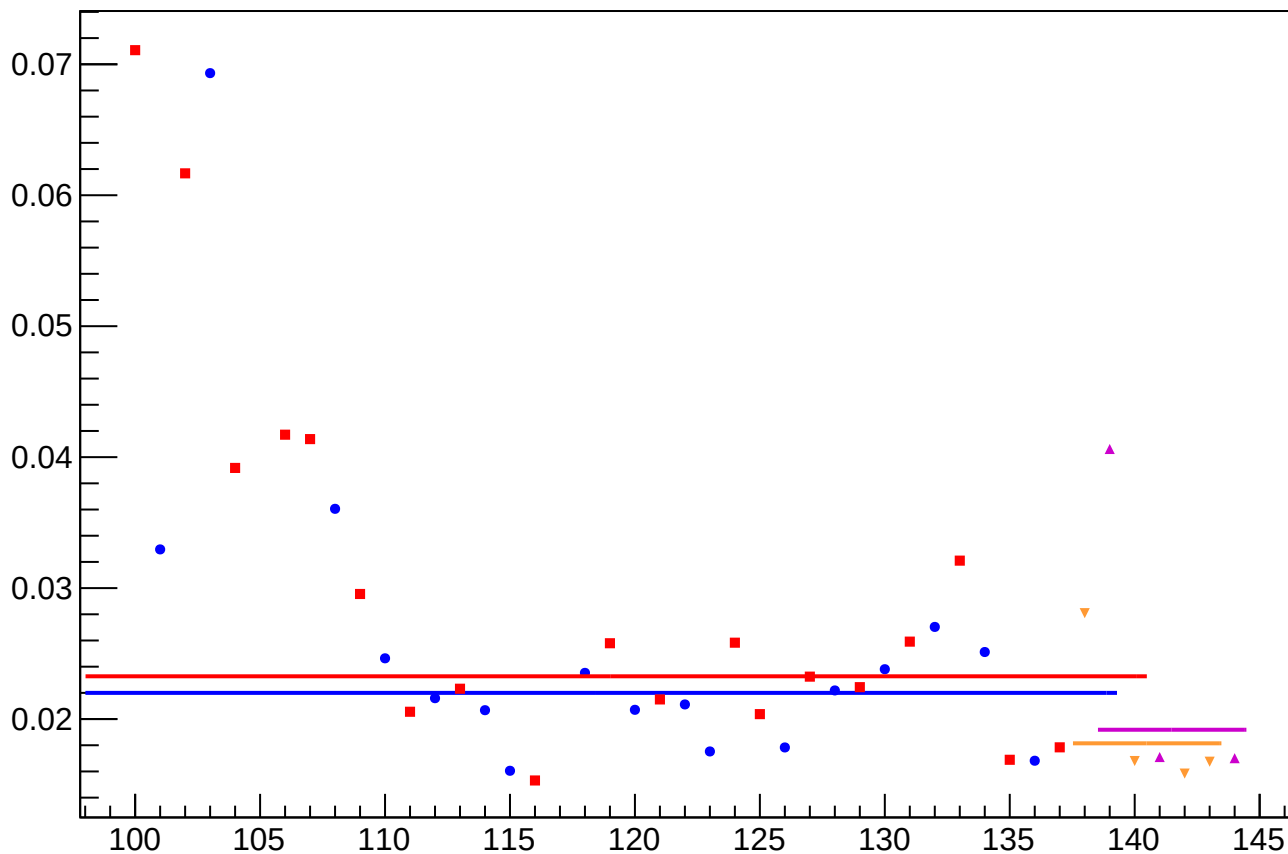
Right: -0.551+/-0.000 χ^2/NDF : 110929363.5/35

In: -0.550+/-0.000 χ^2/NDF : 49976833.9/19

Out: -0.558+/-0.000 χ^2/NDF : 64775181.0/22

All: -0.554+/-0.000 χ^2/NDF : 115248925.7/42

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 :173243.6/3

Right Out: 0.023+/-0.000 χ^2/NDF : 1155060.8/18

Left In: 0.019+/-0.000 χ^2/NDF :414179.4/2

Left: 0.019+/-0.000 χ^2/NDF : 592715.6/6

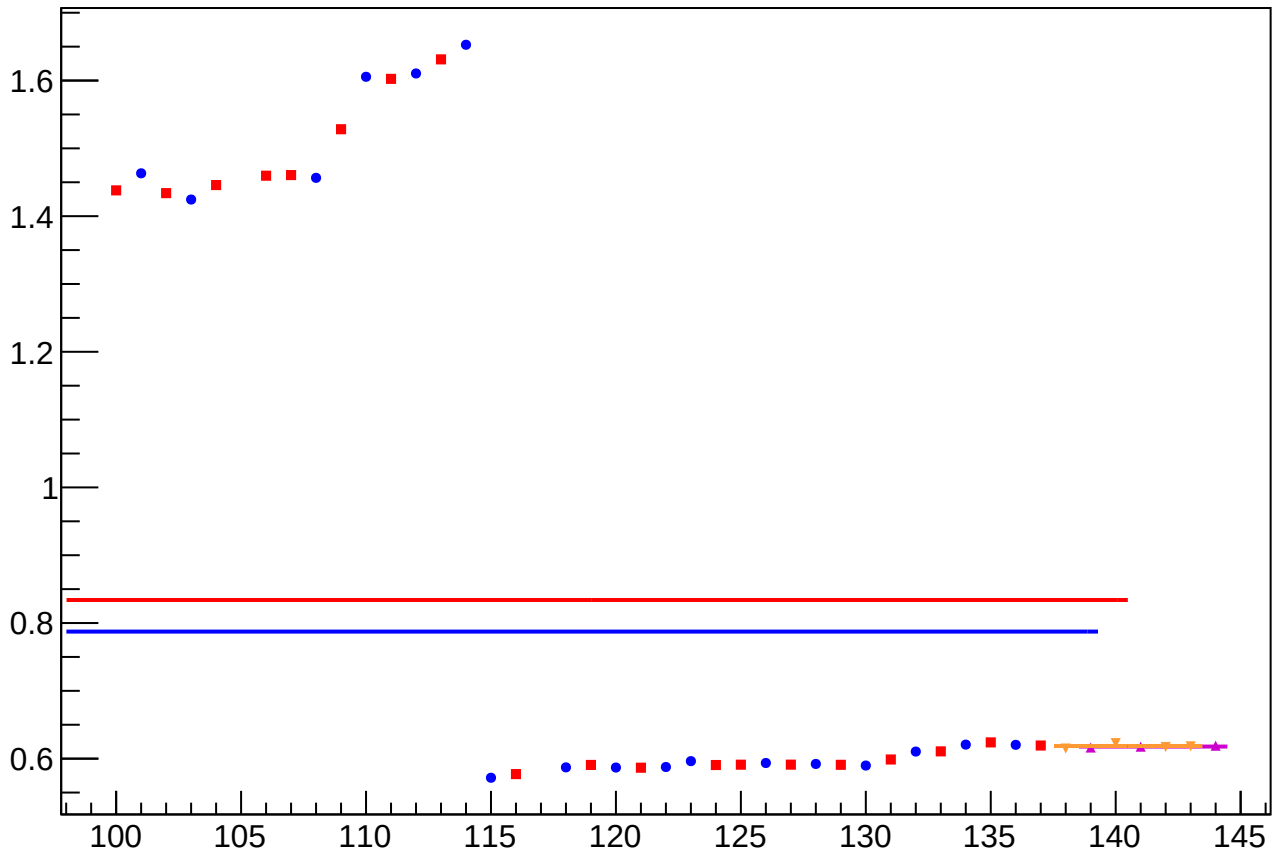
Right: 0.023+/-0.000 χ^2/NDF : 2131038.0/35

In: 0.021+/-0.000 χ^2/NDF :1424125.7/19

Out: 0.021+/-0.000 χ^2/NDF :1510488.1/22

All: 0.021+/-0.000 χ^2/NDF : 2936003.0/42

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:180041.0/3

Right Out: 0.834 $\pm$ 0.000 χ^2 /NDF: 4150651936.4/18

Left In: 0.618 $\pm$ 0.000 χ^2 /NDF:20437.3/2

Left: 0.618 $\pm$ 0.000 χ^2 /NDF: 205935.8/6

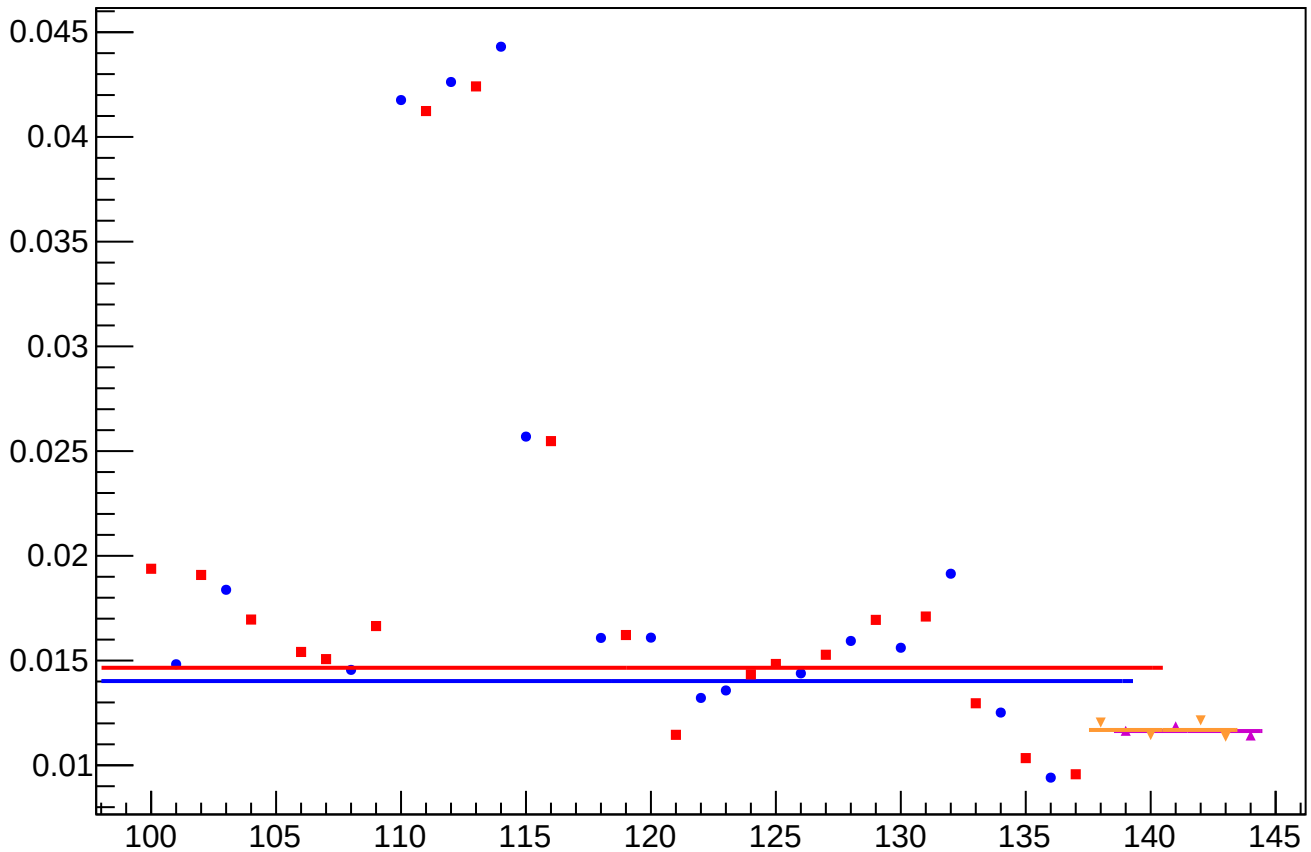
Right: 0.810 $\pm$ 0.000 χ^2 /NDF: 7762825893.7/35

In: 0.724 $\pm$ 0.000 χ^2 /NDF:3889088014.8/19

Out: 0.748 $\pm$ 0.000 χ^2 /NDF:4665194461.0/22

All: 0.736 $\pm$ 0.000 χ^2 /NDF: 8567559015.4/42

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 :4119.5/3

Right Out: 0.015+/-0.000 χ^2/NDF : 1262071.4/18

Left In: 0.012+/-0.000 χ^2/NDF :1153.3/2

Left: 0.012+/-0.000 χ^2/NDF : 5318.5/6

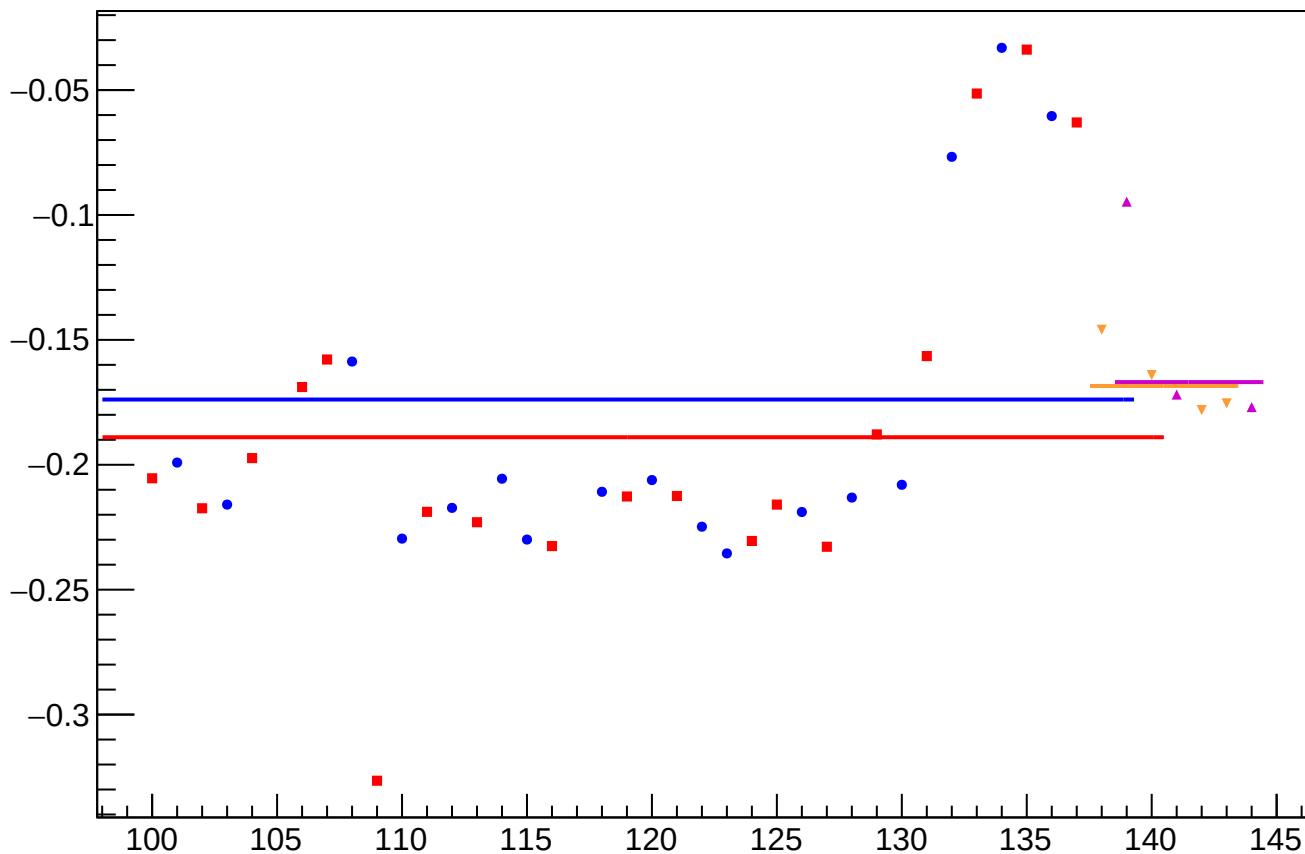
Right: 0.014+/-0.000 χ^2/NDF : 2673402.9/35

In: 0.013+/-0.000 χ^2/NDF :1522943.3/19

Out: 0.013+/-0.000 χ^2/NDF :1461761.4/22

All: 0.013+/-0.000 χ^2/NDF : 2990052.8/42

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.174+/-0.000 χ^2/NDF : 66778428.3/16

Left Out: -0.168+/-0.000 χ^2/NDF : 651456.9/3

Right Out: -0.189+/-0.000 χ^2/NDF : 81975900.9/18

Left In: -0.167+/-0.000 χ^2/NDF : 2926740.9/2

Left: -0.168+/-0.000 χ^2/NDF : 3584632.4/6

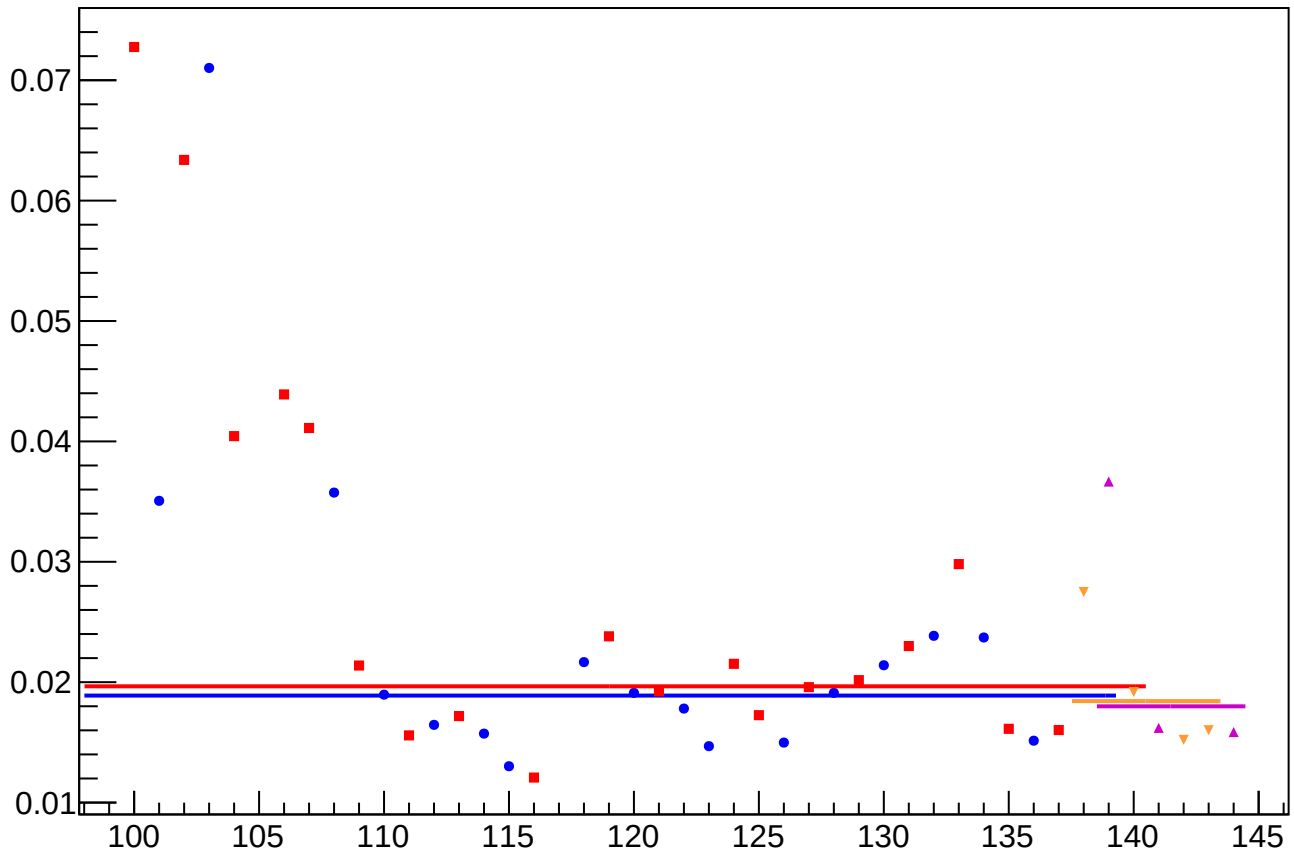
Right: -0.181+/-0.000 χ^2/NDF : 150315642.4/35

In: -0.172+/-0.000 χ^2/NDF : 69891365.8/19

Out: -0.183+/-0.000 χ^2/NDF : 84272089.1/22

All: -0.177+/-0.000 χ^2/NDF : 155323283.8/42

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 :183741.9/3

Right Out: 0.020+/-0.000 χ^2/NDF : 1454143.7/18

Left In: 0.018+/-0.000 χ^2/NDF :387386.9/2

Left: 0.018+/-0.000 χ^2/NDF : 572153.1/6

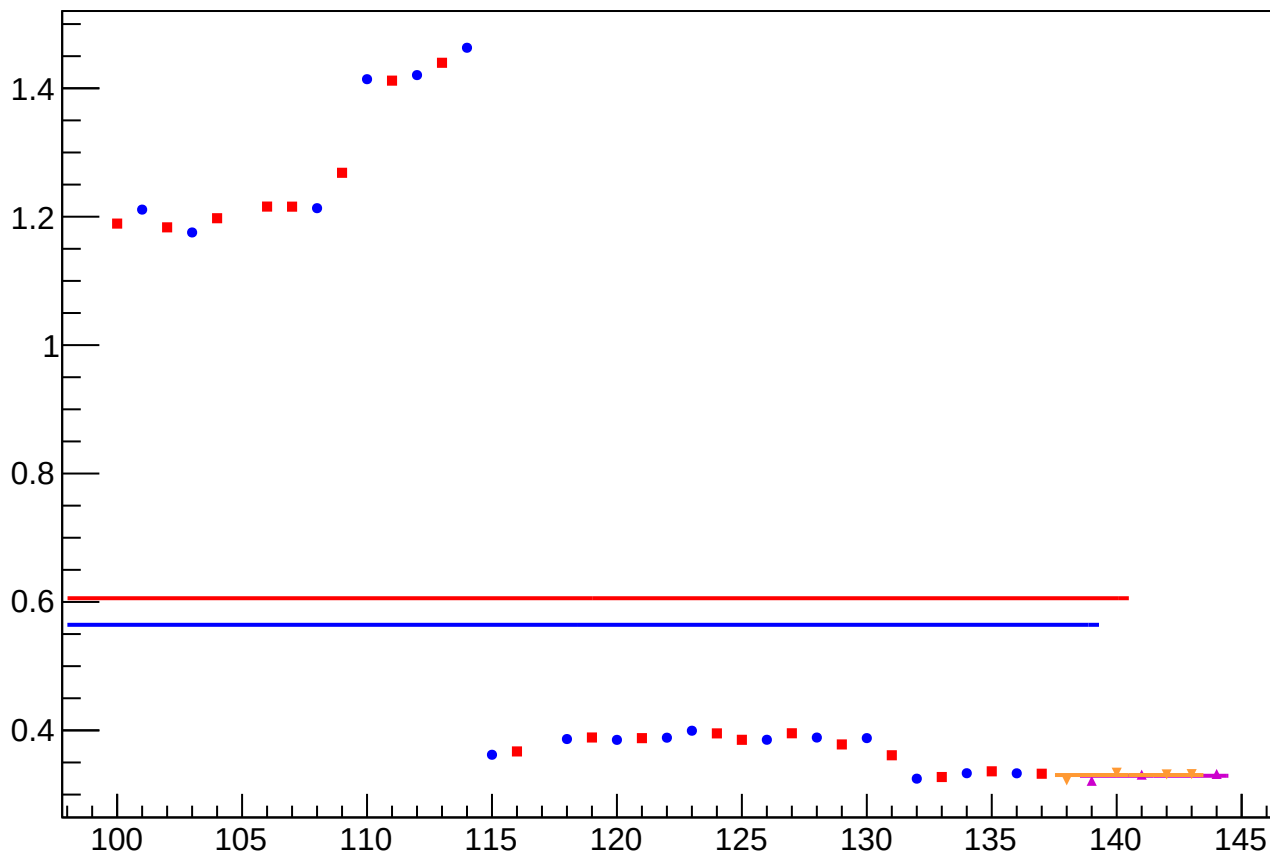
Right: 0.019+/-0.000 χ^2/NDF : 2674059.2/35

In: 0.019+/-0.000 χ^2/NDF :1605319.2/19

Out: 0.019+/-0.000 χ^2/NDF :1649633.5/22

All: 0.019+/-0.000 χ^2/NDF : 3263159.0/42

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.564+/-0.000

χ^2/NDF : 5040911893.3/16

Left Out: 0.330+/-0.000

χ^2/NDF : 357818.2/3

Right Out: 0.606+/-0.000

χ^2/NDF : 5529469116.6/18

Left In: 0.329+/-0.000

χ^2/NDF : 335633.9/2

Left: 0.330+/-0.000

χ^2/NDF : 706143.9/6

Right: 0.585+/-0.000

χ^2/NDF : 10602472583.7/35

In: 0.489+/-0.000

χ^2/NDF : 5721365165.9/19

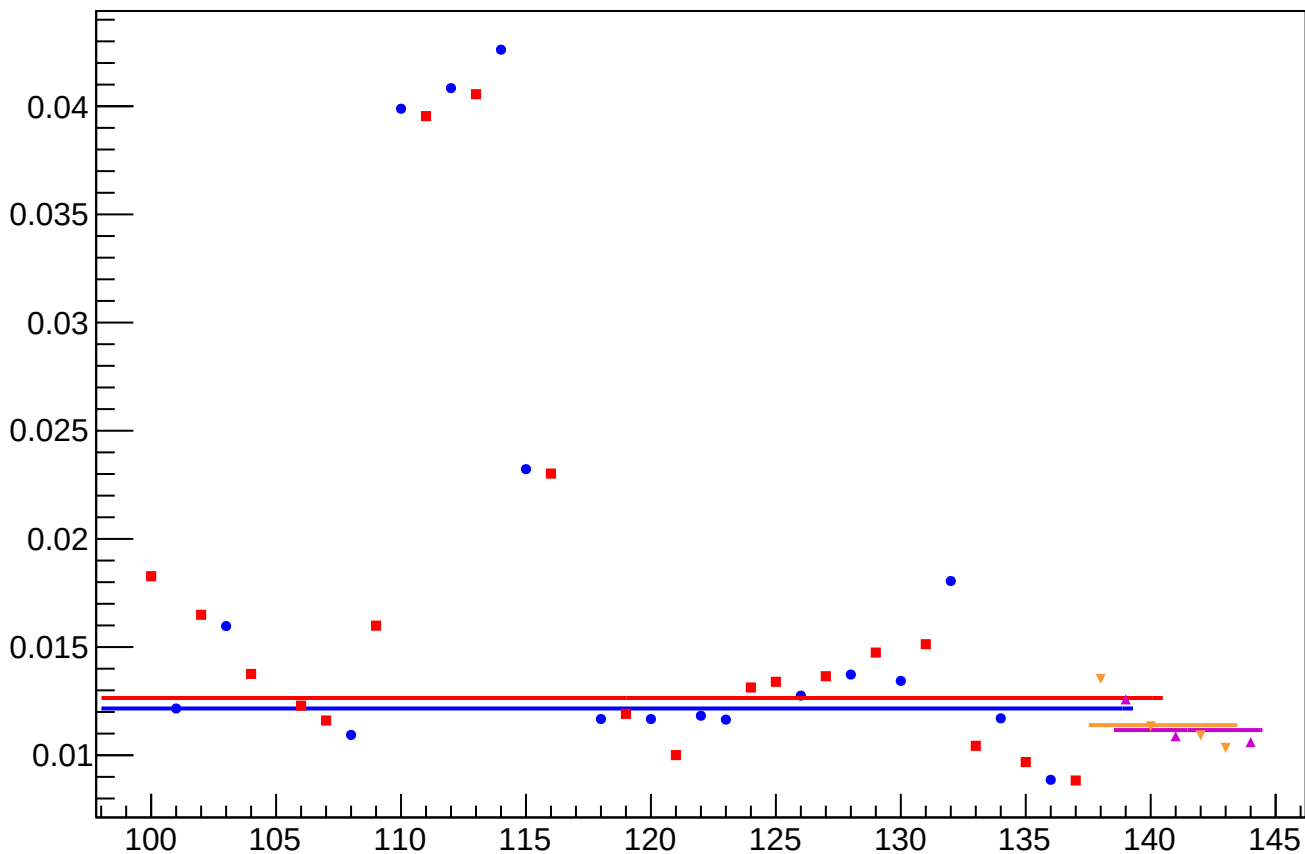
Out: 0.512+/-0.000

χ^2/NDF : 6479578337.1/22

All: 0.500+/-0.000

χ^2/NDF : 12216008878.7/4

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1304124.1/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:49863.3/3

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1268972.5/18

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:22417.4/2

Left: 0.011 $\pm$ 0.000 χ^2 /NDF: 73267.9/6

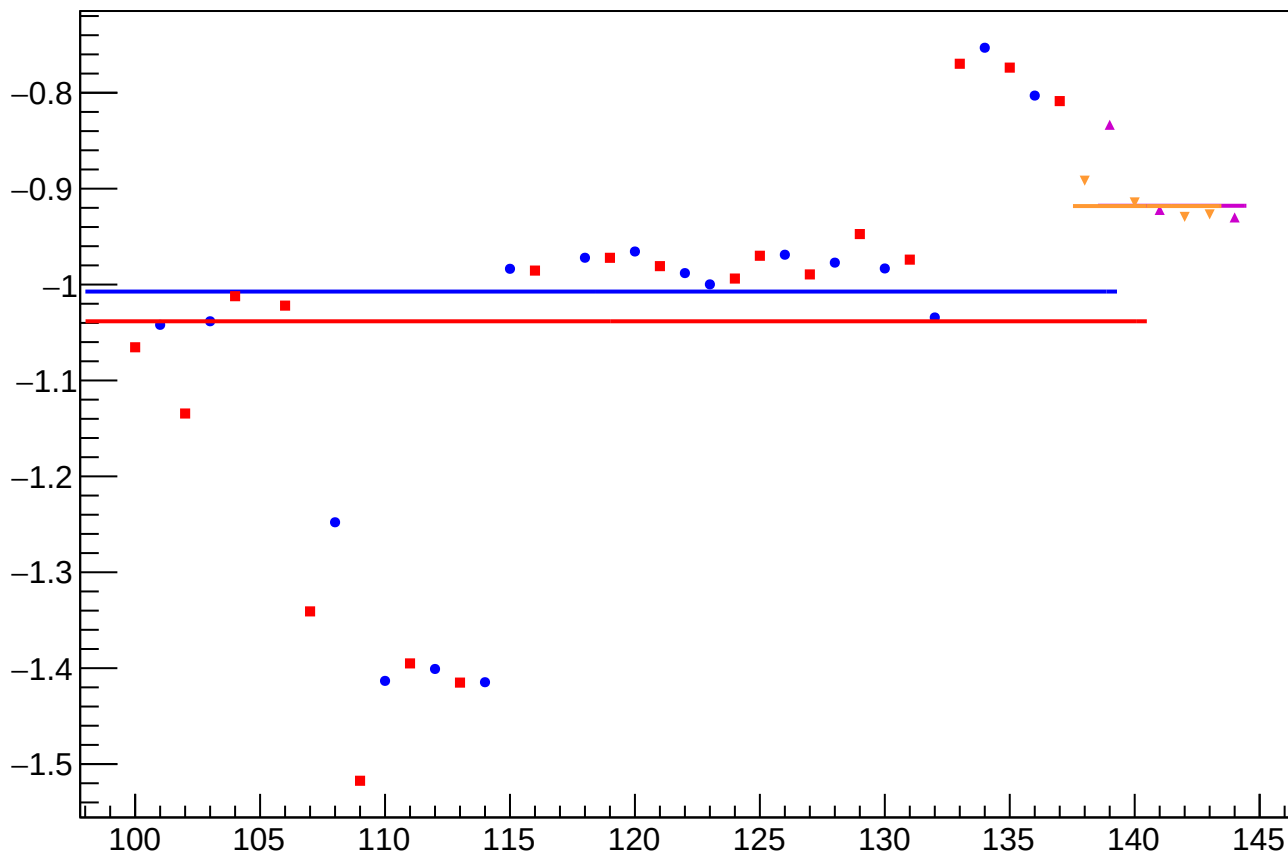
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 2581927.2/35

In: 0.012 $\pm$ 0.000 χ^2 /NDF:1351023.5/19

Out: 0.012 $\pm$ 0.000 χ^2 /NDF:1358140.3/22

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 2717237.4/42

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.007±/0.000 χ^2/NDF : 393589325.7/16

Left Out: -0.918±/0.000 χ^2/NDF :859524.4/3

Right Out: -1.038±/0.000 χ^2/NDF : 535629570.0/18

Left In: -0.918±/0.000 χ^2/NDF :3442983.1/2

Left: -0.918±/0.000 χ^2/NDF : 4302767.1/6

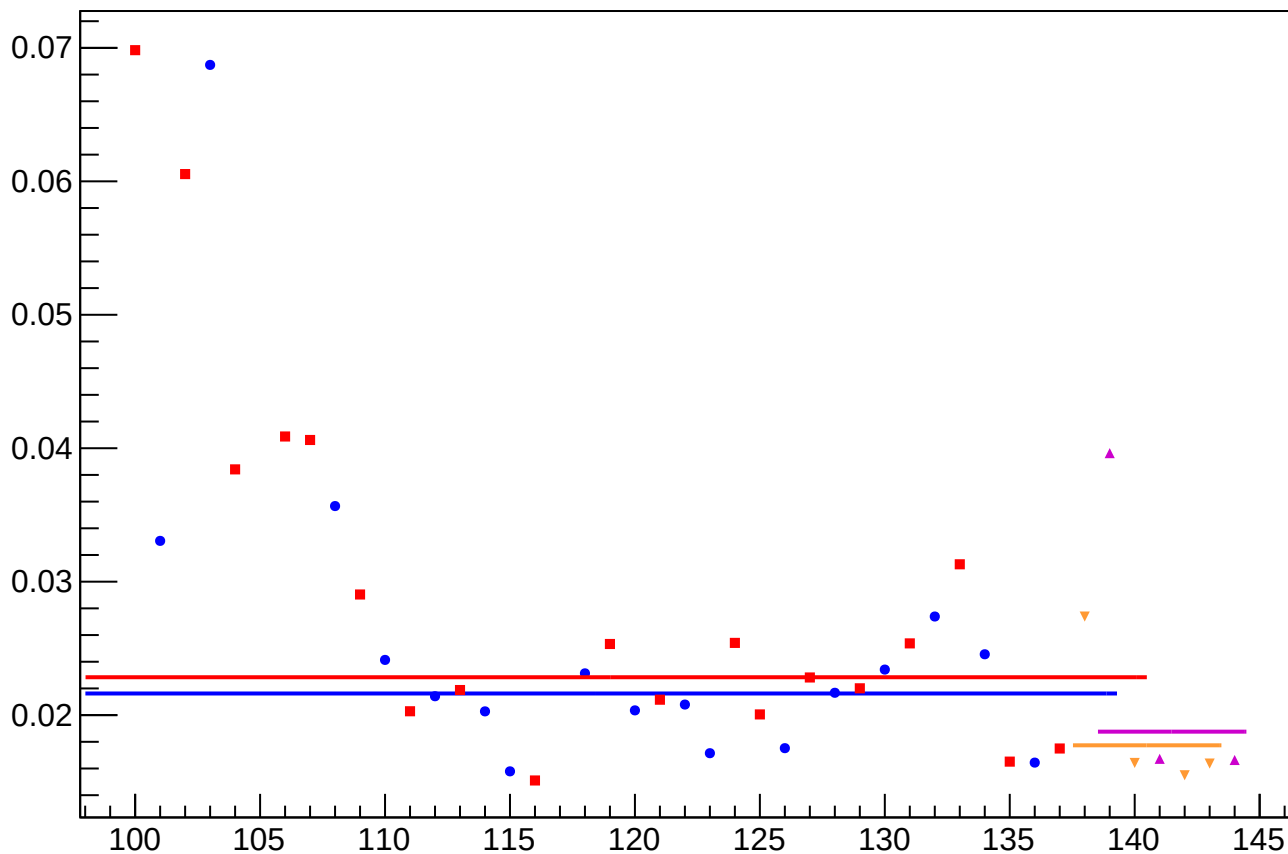
Right: -1.022±/0.000 χ^2/NDF : 934274584.5/35

In: -0.980±/0.000 χ^2/NDF :423497810.7/19

Out: -0.995±/0.000 χ^2/NDF :588887523.0/22

All: -0.988±/0.000 χ^2/NDF : 1014232206.6/4

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 984588.1/16

Left Out: 0.018+/-0.000 χ^2/NDF : 171736.2/3

Right Out: 0.023+/-0.000 χ^2/NDF : 1150914.8/18

Left In: 0.019+/-0.000 χ^2/NDF : 412527.3/2

Left: 0.018+/-0.000 χ^2/NDF : 589661.7/6

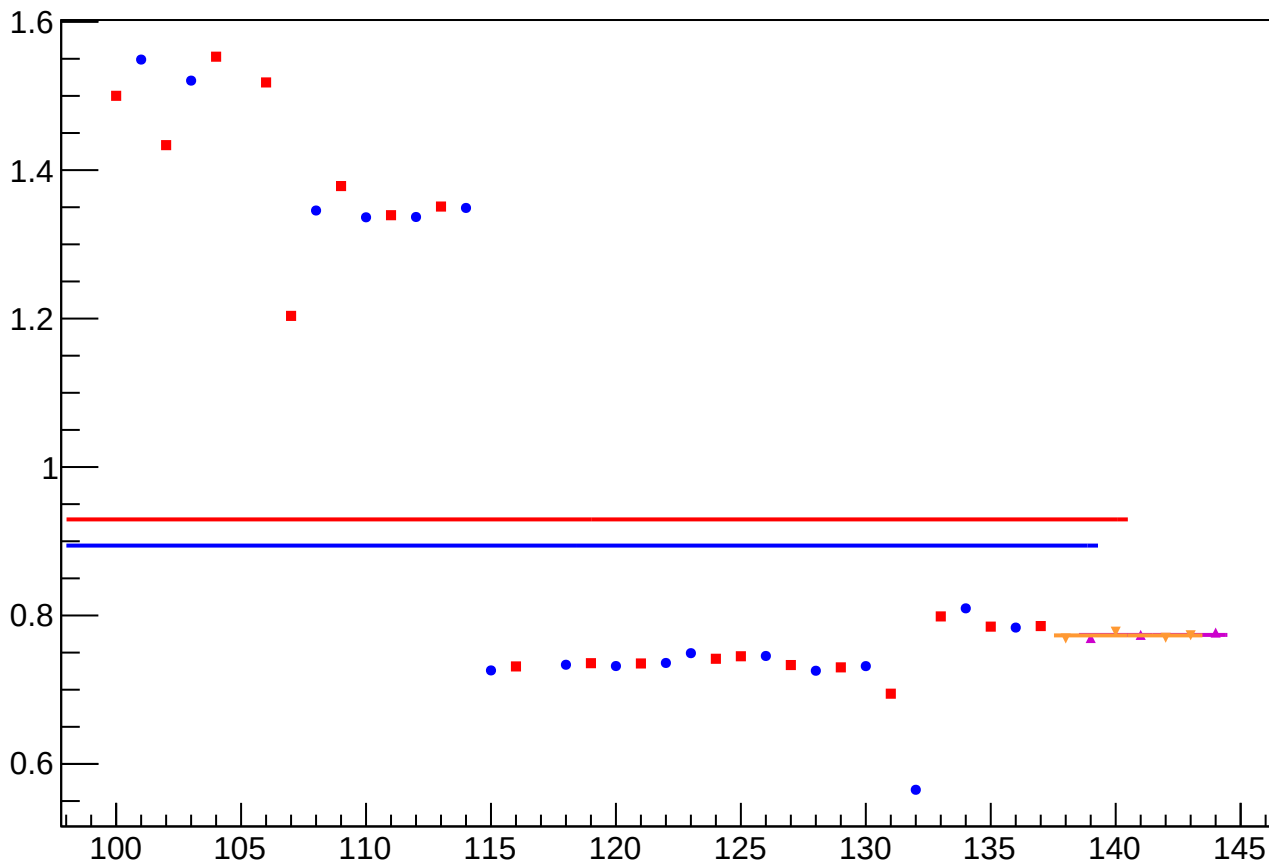
Right: 0.022+/-0.000 χ^2/NDF : 2151098.1/35

In: 0.021+/-0.000 χ^2/NDF : 1451221.6/19

Out: 0.021+/-0.000 χ^2/NDF : 1511543.1/22

All: 0.021+/-0.000 χ^2/NDF : 2963886.6/42

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 :258086.4/3

Right Out: 0.929+/-0.000 χ^2/NDF : 2422023767.8/18

Left In: 0.774+/-0.000 χ^2/NDF :147642.0/2

Left: 0.773+/-0.000 χ^2/NDF : 409359.3/6

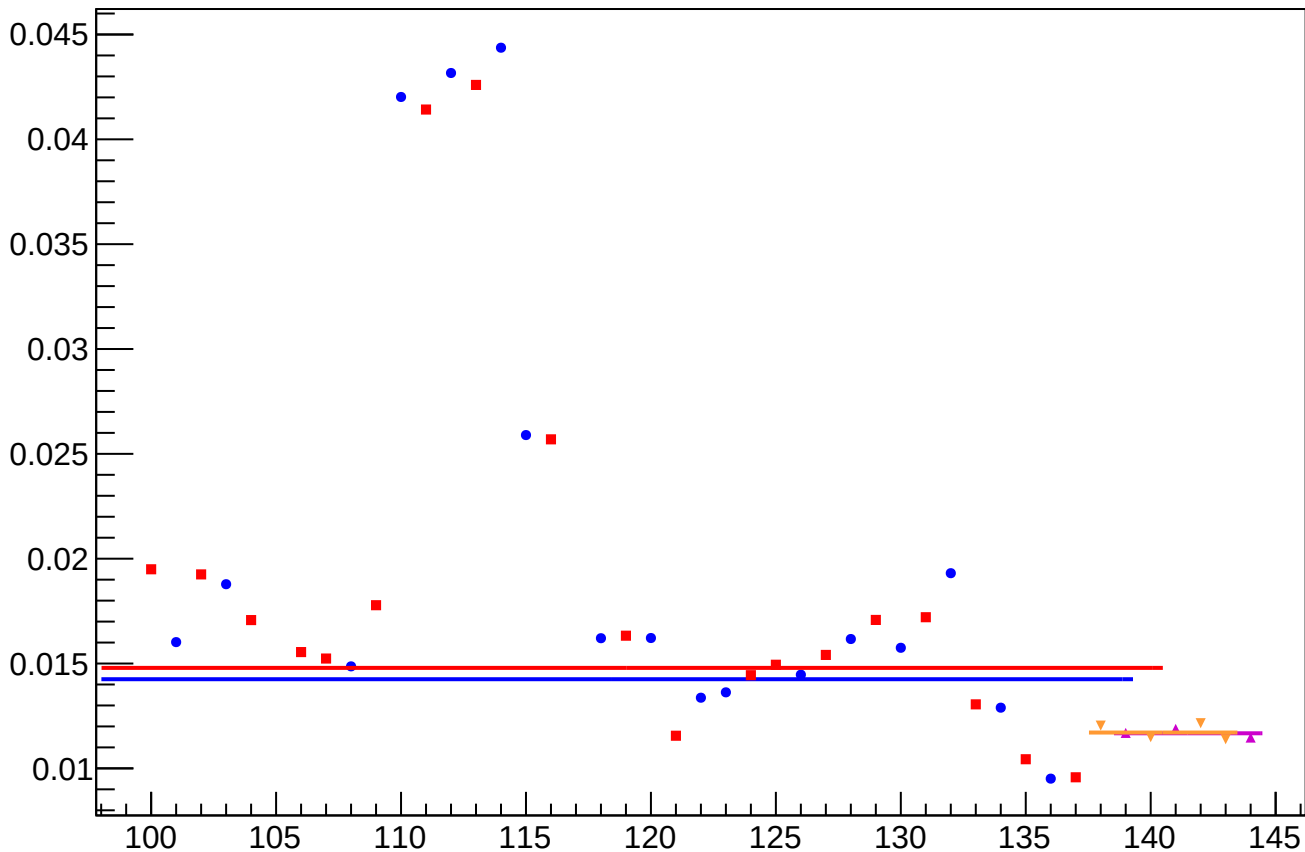
Right: 0.912+/-0.000 χ^2/NDF : 4838135937.4/35

In: 0.849+/-0.000 χ^2/NDF :2551390057.2/19

Out: 0.867+/-0.000 χ^2/NDF :2690034848.3/22

All: 0.858+/-0.000 χ^2/NDF : 5248796594.8/42

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 :3756.9/3

Right Out: 0.015+/-0.000 χ^2/NDF : 1271820.6/18

Left In: 0.012+/-0.000 χ^2/NDF :1033.3/2

Left: 0.012+/-0.000 χ^2/NDF : 4812.5/6

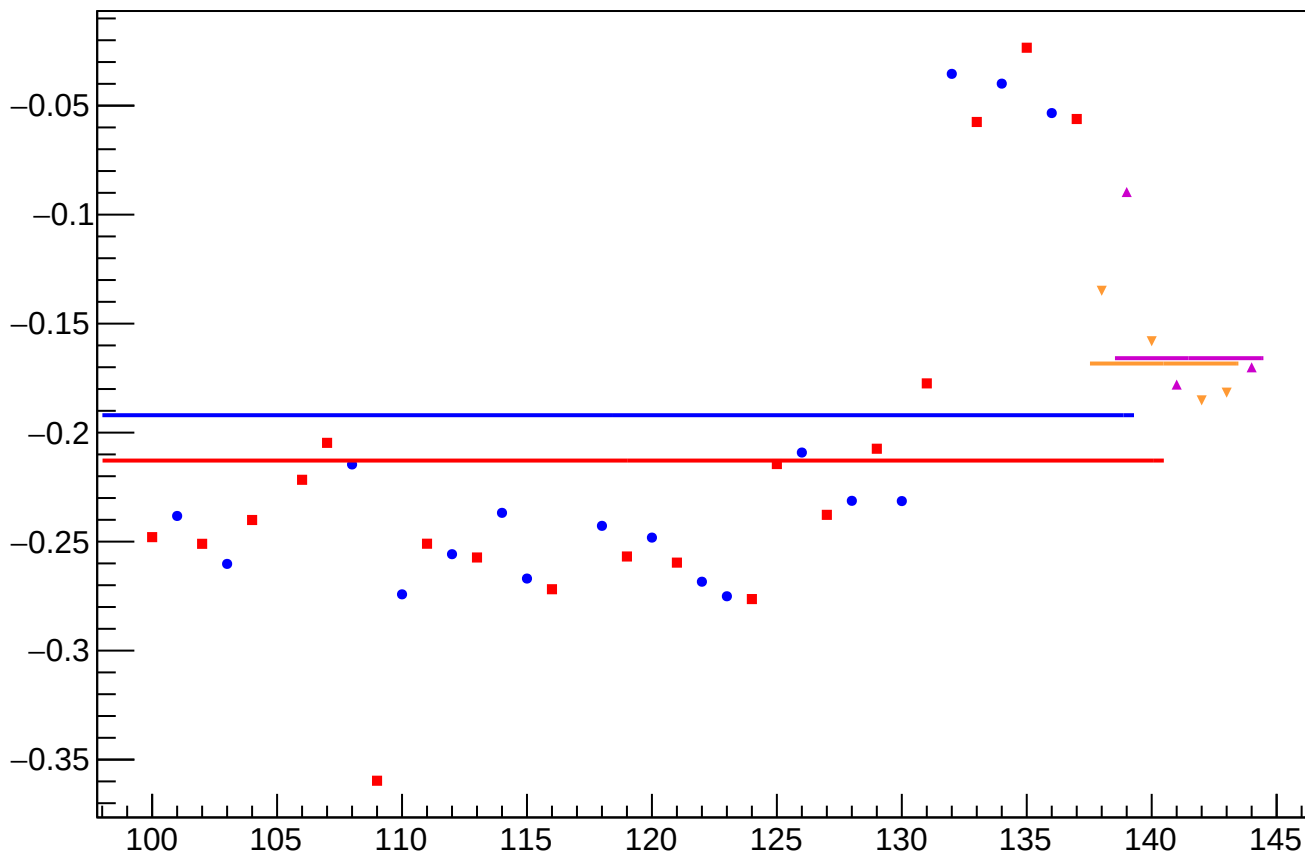
Right: 0.015+/-0.000 χ^2/NDF : 2689819.1/35

In: 0.013+/-0.000 χ^2/NDF :1550731.3/19

Out: 0.014+/-0.000 χ^2/NDF :1484109.1/22

All: 0.013+/-0.000 χ^2/NDF : 3038344.0/42

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.192+/-0.000 χ^2/NDF : 106200458.9/16

Left Out: -0.168+/-0.000 χ^2/NDF : 1848709.8/3

Right Out: -0.213+/-0.000 χ^2/NDF : 110522593.6/18

Left In: -0.166+/-0.000 χ^2/NDF : 3238645.9/2

Left: -0.167+/-0.000 χ^2/NDF : 5103870.1/6

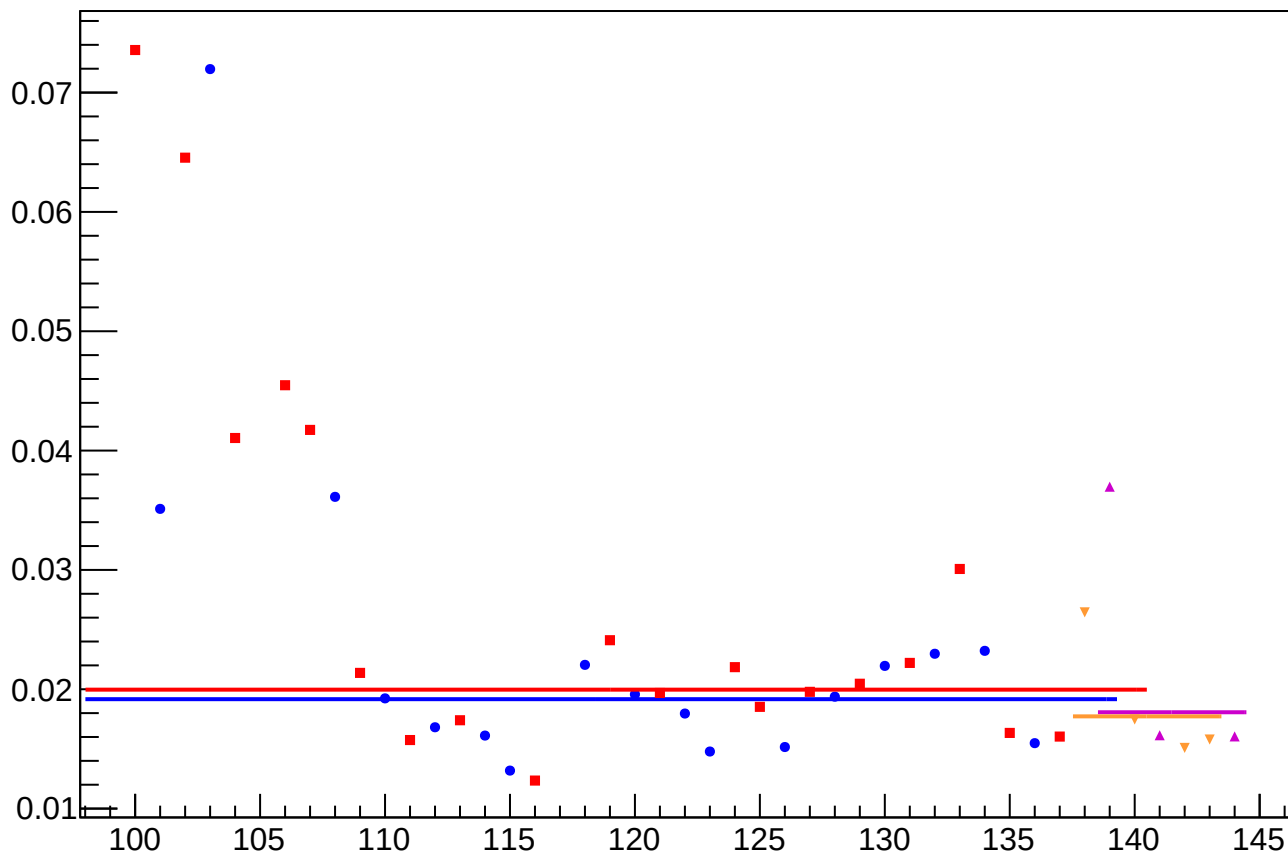
Right: -0.202+/-0.000 χ^2/NDF : 219599085.5/35

In: -0.185+/-0.000 χ^2/NDF : 112017265.7/19

Out: -0.199+/-0.000 χ^2/NDF : 120314499.9/22

All: -0.192+/-0.000 χ^2/NDF : 234248530.6/42

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1182752.8/16

Left Out: 0.018+/-0.000 χ^2/NDF :163388.8/3

Right Out: 0.020+/-0.000 χ^2/NDF : 1445067.6/18

Left In: 0.018+/-0.000 χ^2/NDF :389173.4/2

Left: 0.018+/-0.000 χ^2/NDF : 553213.4/6

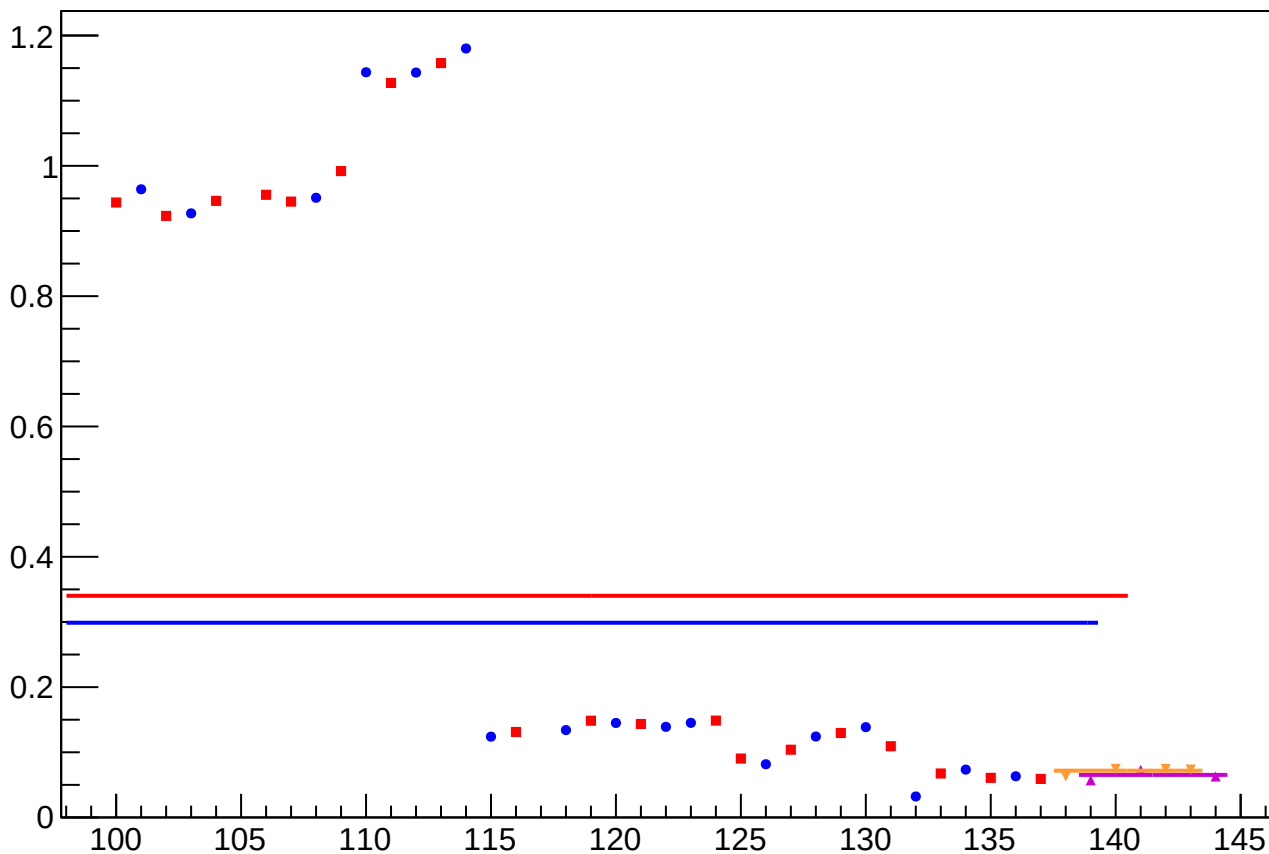
Right: 0.020+/-0.000 χ^2/NDF : 2636287.3/35

In: 0.019+/-0.000 χ^2/NDF :1580979.0/19

Out: 0.019+/-0.000 χ^2/NDF :1648644.7/22

All: 0.019+/-0.000 χ^2/NDF : 3232772.9/42

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 : 423349.6/3

Right Out: 0.340+/-0.000 χ^2/NDF : 5473541358.4/18

Left In: 0.065+/-0.000 χ^2/NDF : 759467.5/2

Left: 0.069+/-0.000 χ^2/NDF : 1596636.3/6

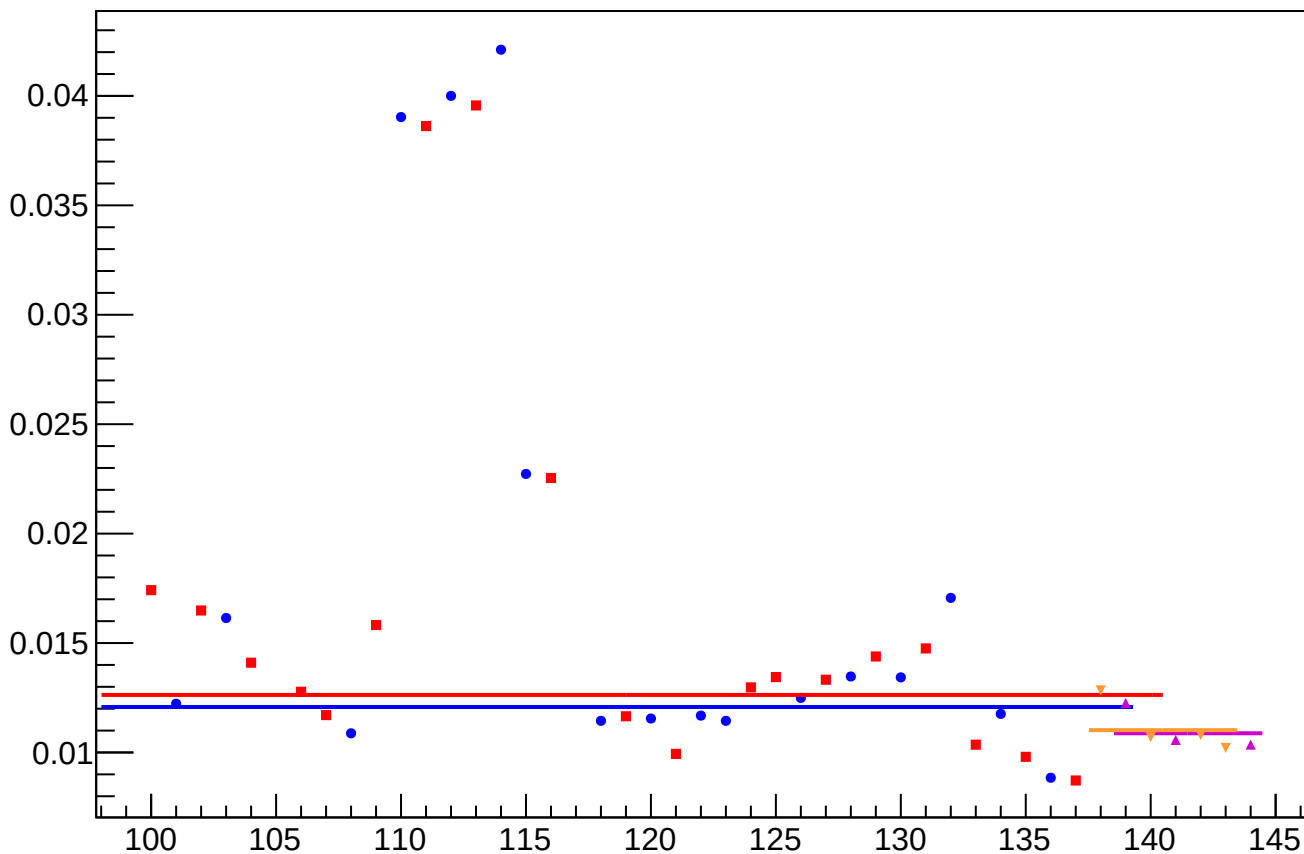
Right: 0.319+/-0.000 χ^2/NDF : 10685960138.1/35

In: 0.222+/-0.000 χ^2/NDF : 5878999660.0/19

Out: 0.245+/-0.000 χ^2/NDF : 6416771511.3/22

All: 0.233+/-0.000 χ^2/NDF : 12311062965.6/4

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1276713.5/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:38005.0/3

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1235880.5/18

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:22299.3/2

Left: 0.011 $\pm$ 0.000 χ^2 /NDF: 60700.8/6

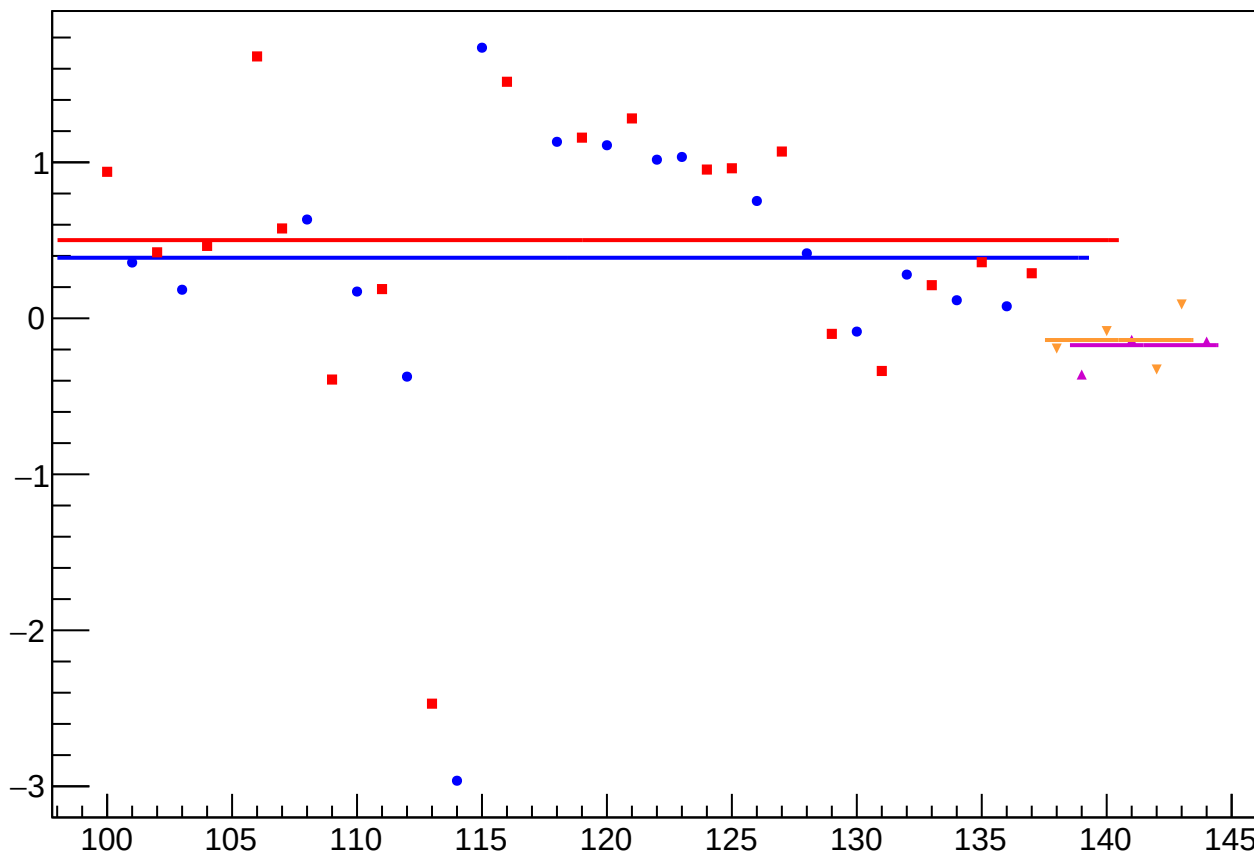
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 2524057.1/35

In: 0.012 $\pm$ 0.000 χ^2 /NDF:1335963.7/19

Out: 0.012 $\pm$ 0.000 χ^2 /NDF:1341770.5/22

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 2685830.1/42

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.388 ± 0.000 $\chi^2/\text{NDF}: 245257258.4/16$

Left Out: -0.139 ± 0.000 $\chi^2/\text{NDF}: 8966964.4/3$

Right Out: 0.501 ± 0.000 $\chi^2/\text{NDF}: 983034937.0/18$

Left In: -0.172 ± 0.000 $\chi^2/\text{NDF}: 1006243.9/2$

Left: -0.151 ± 0.000 $\chi^2/\text{NDF}: 10100304.2/6$

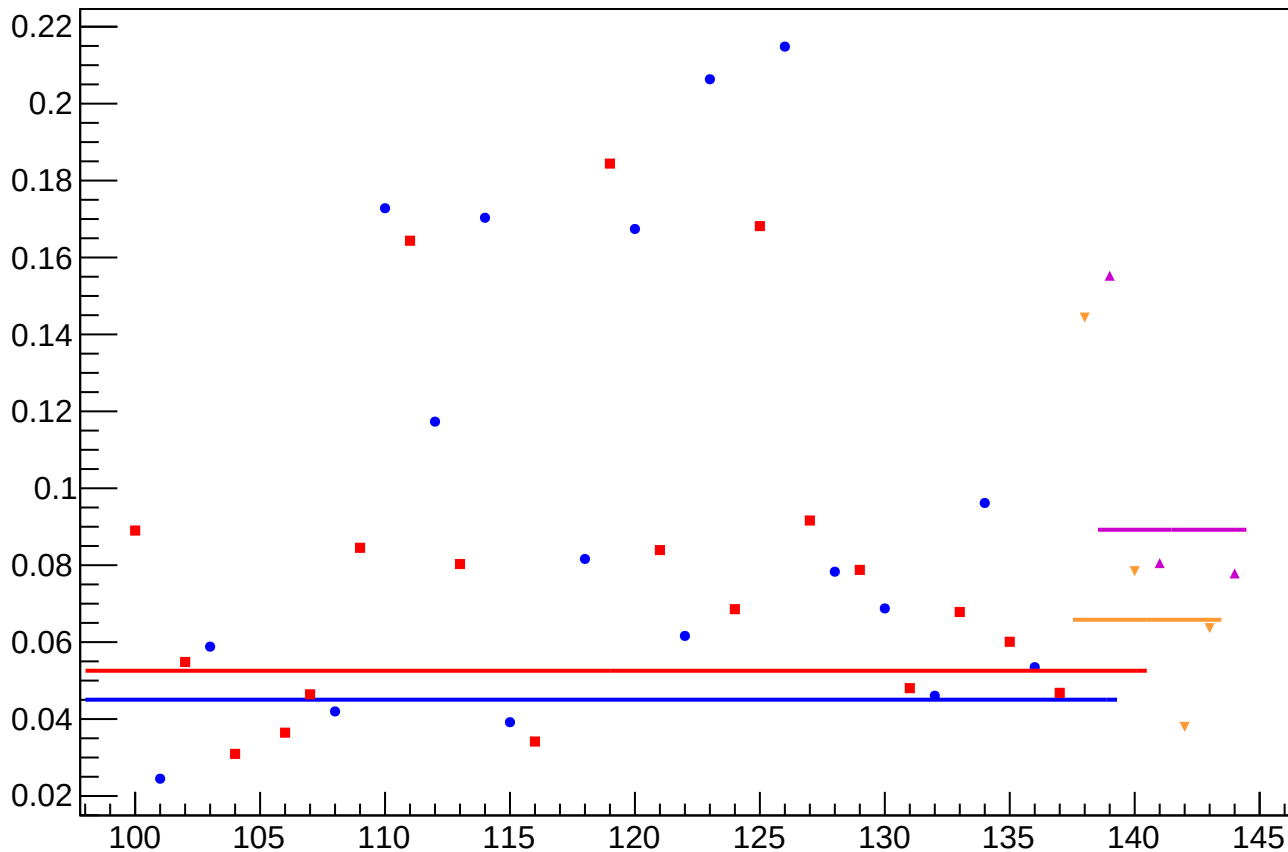
Right: 0.440 ± 0.000 $\chi^2/\text{NDF}: 1238568445.6/35$

In: 0.334 ± 0.000 $\chi^2/\text{NDF}: 299043332.2/19$

Out: 0.389 ± 0.000 $\chi^2/\text{NDF}: 1098953650.7/22$

All: 0.361 ± 0.000 $\chi^2/\text{NDF}: 1400809068.8/42$

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045+/-0.000 χ^2/NDF : 2830669.1/16

Left Out: 0.066+/-0.000 χ^2/NDF :591129.5/3

Right Out: 0.053+/-0.000 χ^2/NDF : 2177690.7/18

Left In: 0.089+/-0.000 χ^2/NDF :246766.7/2

Left: 0.074+/-0.000 χ^2/NDF : 966207.1/6

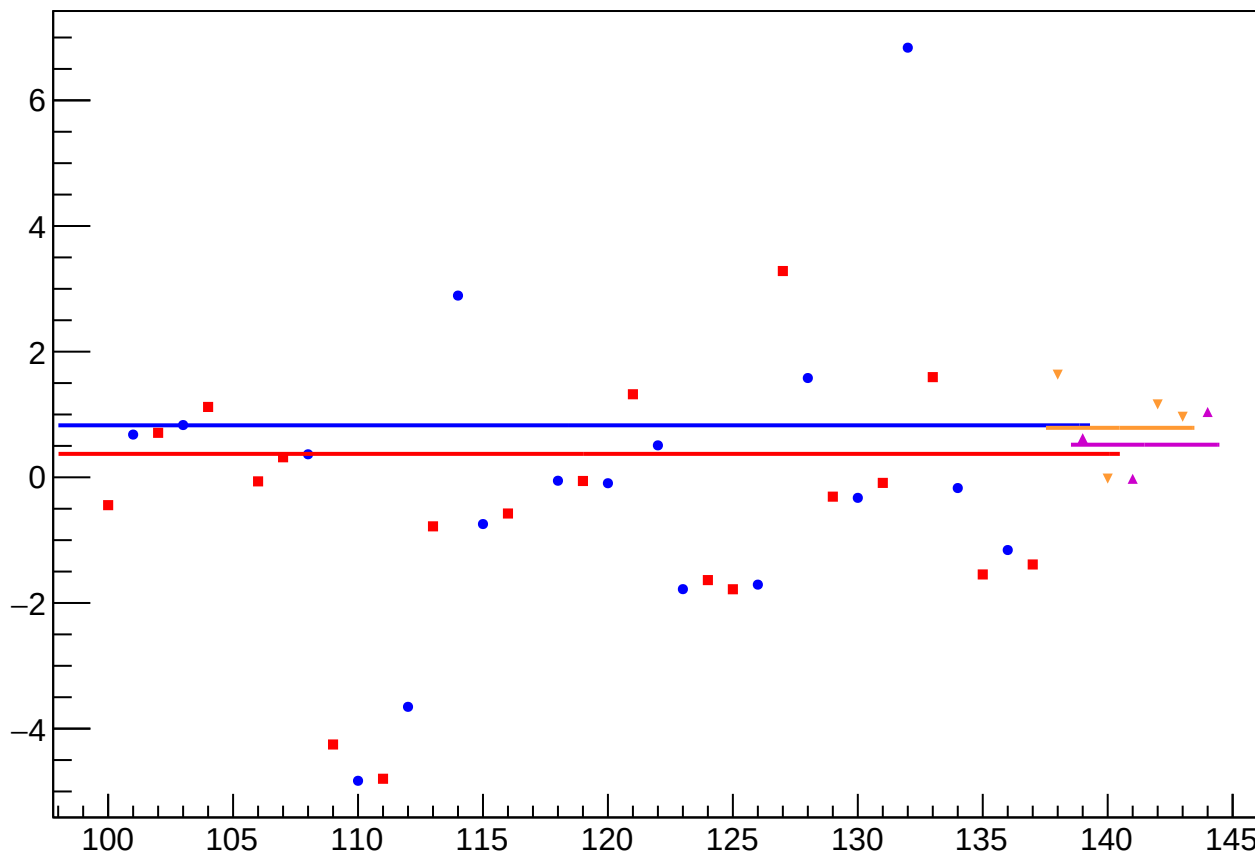
Right: 0.049+/-0.000 χ^2/NDF : 5099571.7/35

In: 0.049+/-0.000 χ^2/NDF :3733989.6/19

Out: 0.055+/-0.000 χ^2/NDF :2860428.4/22

All: 0.052+/-0.000 χ^2/NDF : 6652945.1/42

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.828+/-0.000 χ^2/NDF : 10934615588.5/16

Left Out: 0.788+/-0.000 χ^2/NDF : 162384449.5/3

Right Out: 0.373+/-0.000 χ^2/NDF : 4968052358.8/18

Left In: 0.519+/-0.000 χ^2/NDF : 74027216.3/2

Left: 0.658+/-0.000 χ^2/NDF : 252674179.4/6

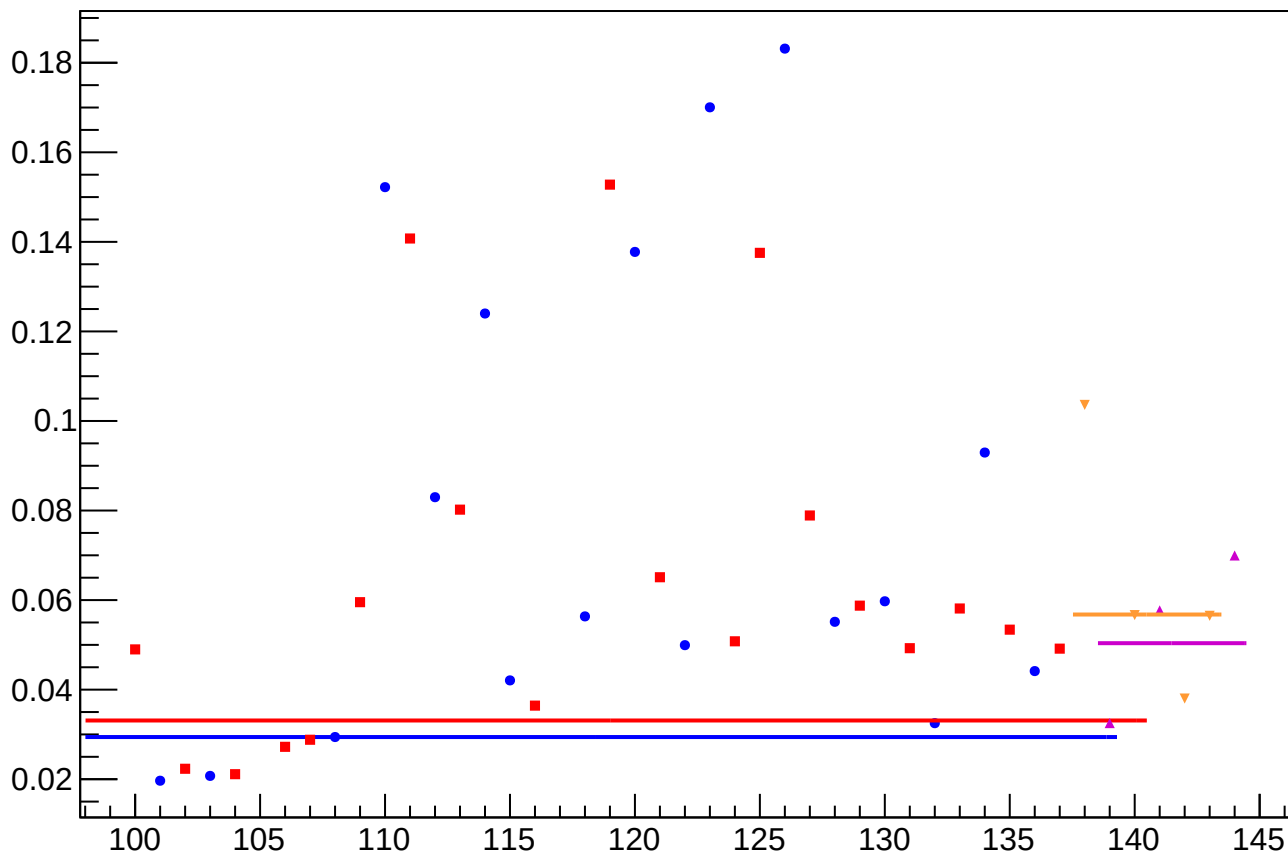
Right: 0.614+/-0.000 χ^2/NDF : 16284898380.7/35

In: 0.797+/-0.000 χ^2/NDF : 11045904284.1/19

Out: 0.422+/-0.000 χ^2/NDF : 5201344160.0/22

All: 0.619+/-0.000 χ^2/NDF : 16539172529.4/4

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF : 3034312.5/16

Left Out: 0.057+/-0.000 χ^2/NDF :348770.1/3

Right Out: 0.033+/-0.000 χ^2/NDF : 3078516.1/18

Left In: 0.050+/-0.000 χ^2/NDF :216265.0/2

Left: 0.054+/-0.000 χ^2/NDF : 583503.6/6

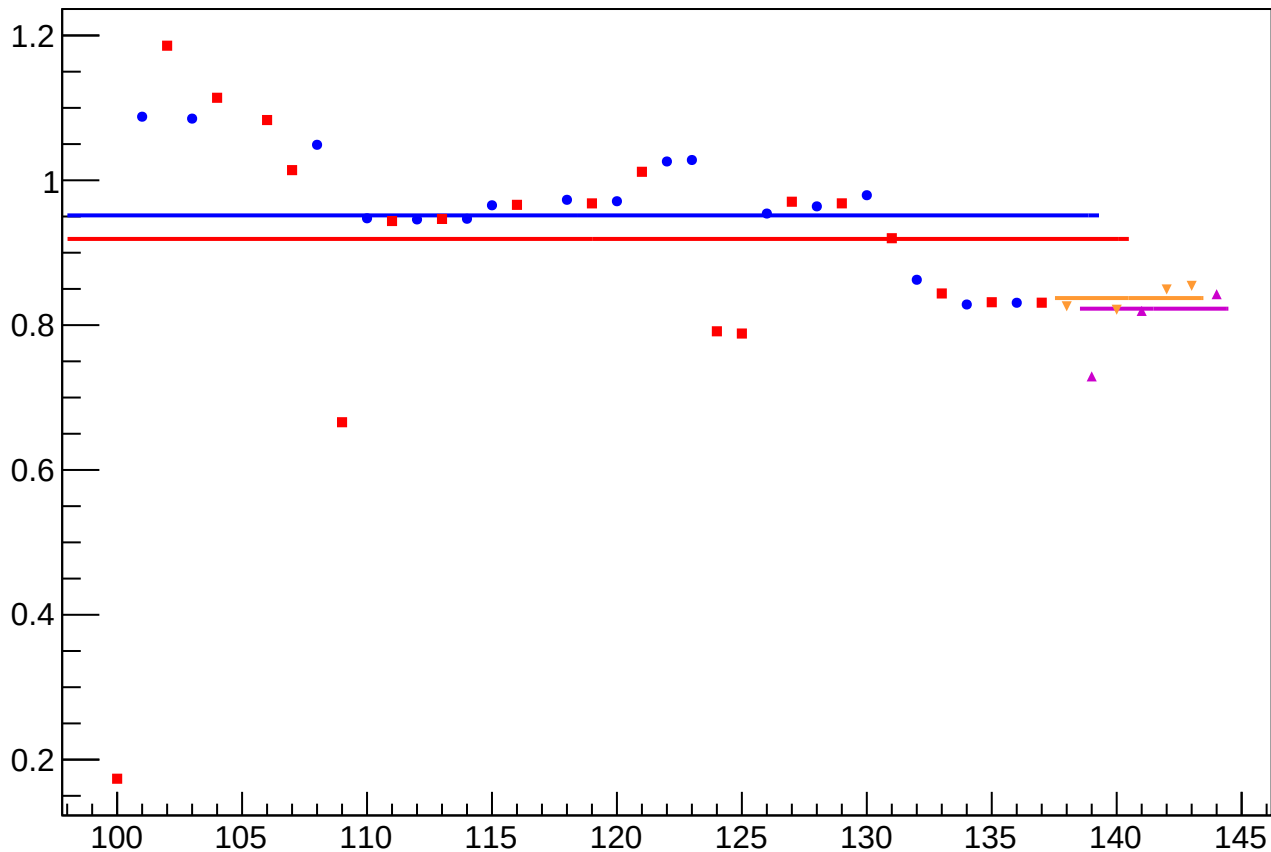
Right: 0.031+/-0.000 χ^2/NDF : 6163407.5/35

In: 0.032+/-0.000 χ^2/NDF :3594505.0/19

Out: 0.036+/-0.000 χ^2/NDF :3889543.8/22

All: 0.034+/-0.000 χ^2/NDF : 7564638.5/42

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.952 $\pm$ 0.000 χ^2 /NDF: 173959453.0/16

Left Out: 0.837 $\pm$ 0.000 χ^2 /NDF:3109466.2/3

Right Out: 0.919 $\pm$ 0.000 χ^2 /NDF: 374715264.1/18

Left In: 0.823 $\pm$ 0.000 χ^2 /NDF:11057795.1/2

Left: 0.831 $\pm$ 0.000 χ^2 /NDF: 15553862.2/6

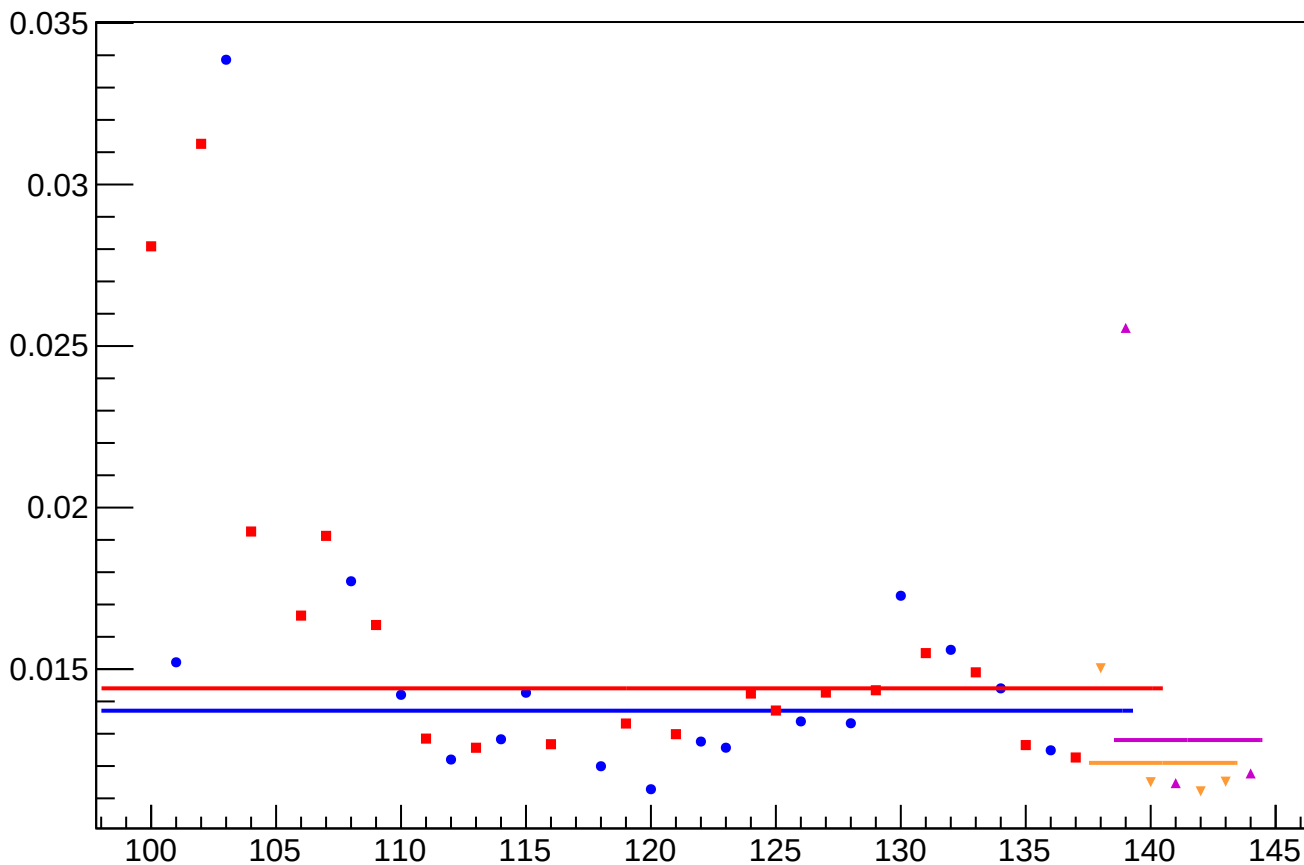
Right: 0.936 $\pm$ 0.000 χ^2 /NDF: 564529204.5/35

In: 0.916 $\pm$ 0.000 χ^2 /NDF:327292169.8/19

Out: 0.892 $\pm$ 0.000 χ^2 /NDF:441352663.6/22

All: 0.904 $\pm$ 0.000 χ^2 /NDF: 780318501.4/42

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 :55045.9/3

Right Out: 0.014+/-0.000 χ^2/NDF : 502019.0/18

Left In: 0.013+/-0.000 χ^2/NDF :358222.3/2

Left: 0.012+/-0.000 χ^2/NDF : 419716.3/6

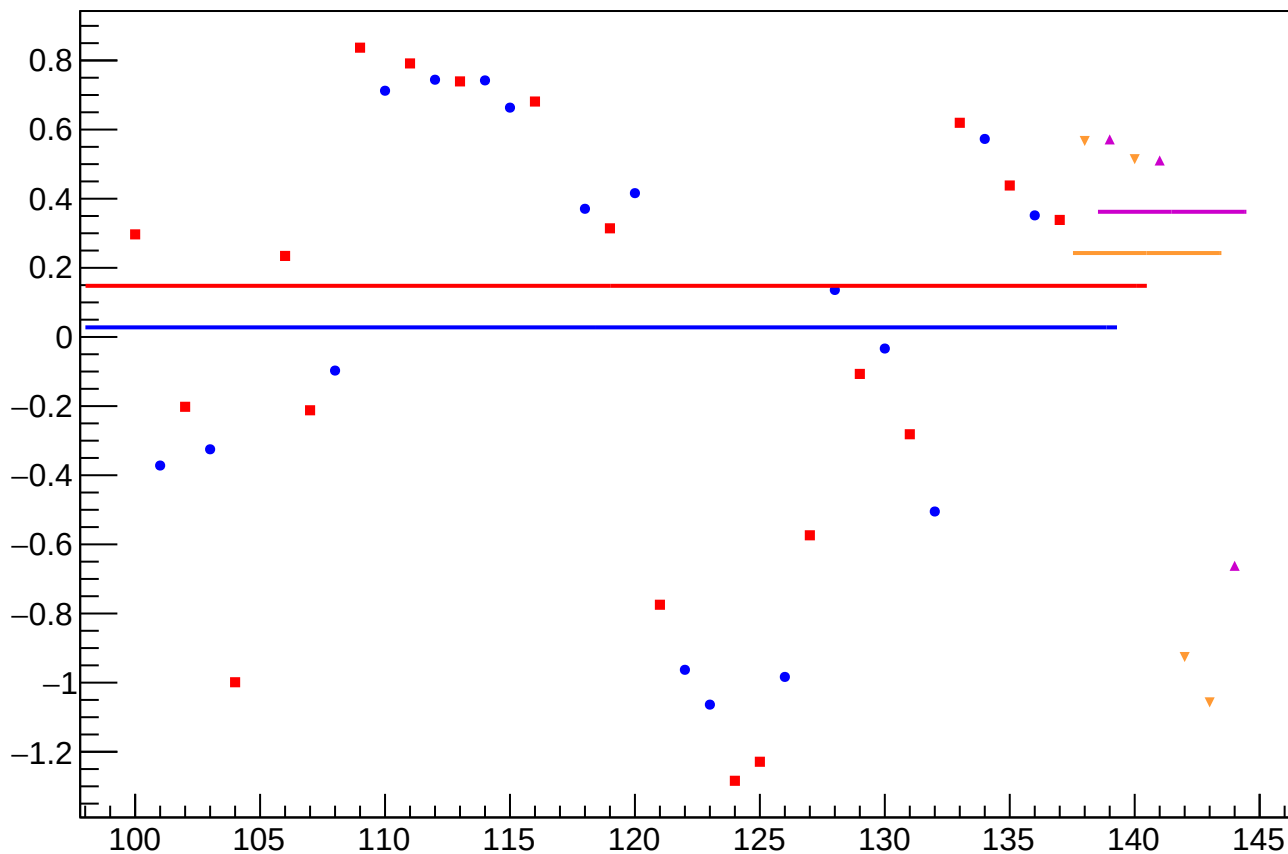
Right: 0.014+/-0.000 χ^2/NDF : 1062609.3/35

In: 0.013+/-0.000 χ^2/NDF :918588.2/19

Out: 0.014+/-0.000 χ^2/NDF :658484.9/22

All: 0.014+/-0.000 χ^2/NDF : 1578669.6/42

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.028 $\pm$ 0.000 χ^2 /NDF: 6330660019.5/16

Left Out: 0.243 $\pm$ 0.000 χ^2 /NDF:10719820428.6/3

Right Out: 0.148 $\pm$ 0.000 χ^2 /NDF: 12786884425.3/18

Left In: 0.362 $\pm$ 0.000 χ^2 /NDF:6208805811.4/2

Left: 0.306 $\pm$ 0.000 χ^2 /NDF: 17132415682.8/6

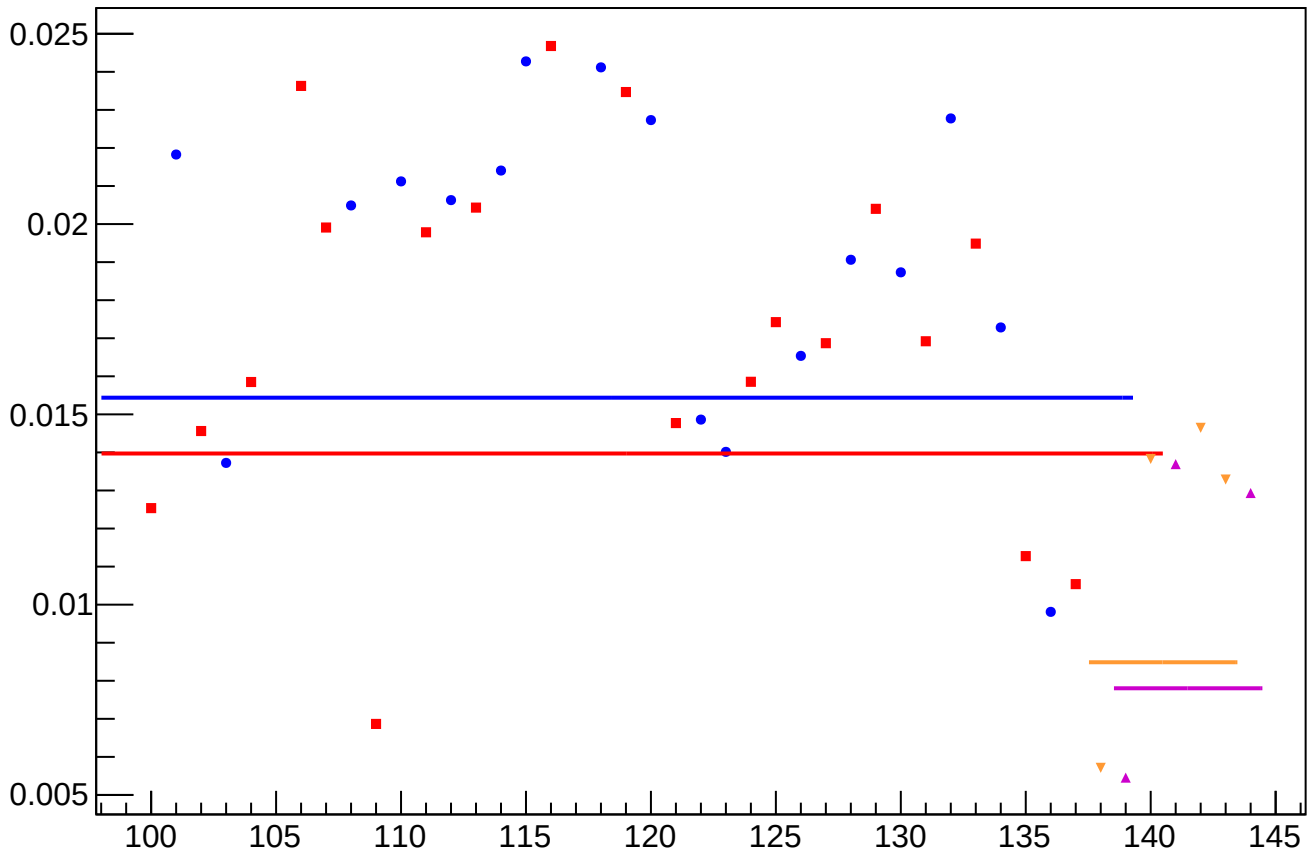
Right: 0.094 $\pm$ 0.000 χ^2 /NDF: 19304525914.6/35

In: 0.216 $\pm$ 0.000 χ^2 /NDF:14024725557.2/19

Out: 0.194 $\pm$ 0.000 χ^2 /NDF:23631881025.8/22

All: 0.205 $\pm$ 0.000 χ^2 /NDF: 37669414388.1/4

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000

χ^2/NDF : 1160014.9/16

Left Out: 0.008+/-0.000

χ^2/NDF : 801930.6/3

Right Out: 0.014+/-0.000

χ^2/NDF : 1556431.6/18

Left In: 0.008+/-0.000

χ^2/NDF : 782680.8/2

Left: 0.008+/-0.000

χ^2/NDF : 1597992.3/6

Right: 0.015+/-0.000

χ^2/NDF : 2772133.5/35

In: 0.011+/-0.000

χ^2/NDF : 3491816.5/19

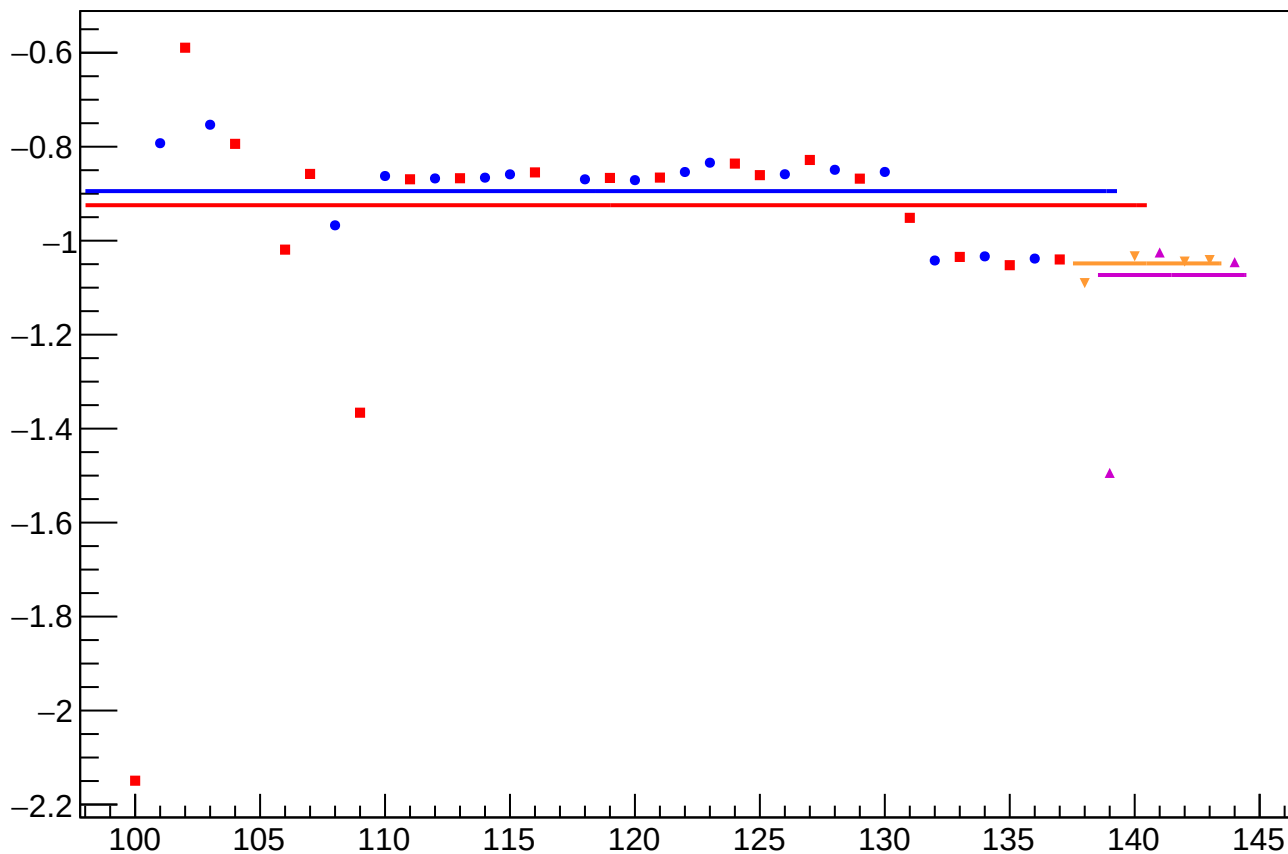
Out: 0.011+/-0.000

χ^2/NDF : 3195777.7/22

All: 0.011+/-0.000

χ^2/NDF : 6688952.1/42

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 : 905004.3/3

Right Out: -0.925+/-0.000 χ^2/NDF : 128456555.8/18

Left In: -1.073+/-0.000 χ^2/NDF : 28449292.6/2

Left: -1.060+/-0.000 χ^2/NDF : 29949637.4/6

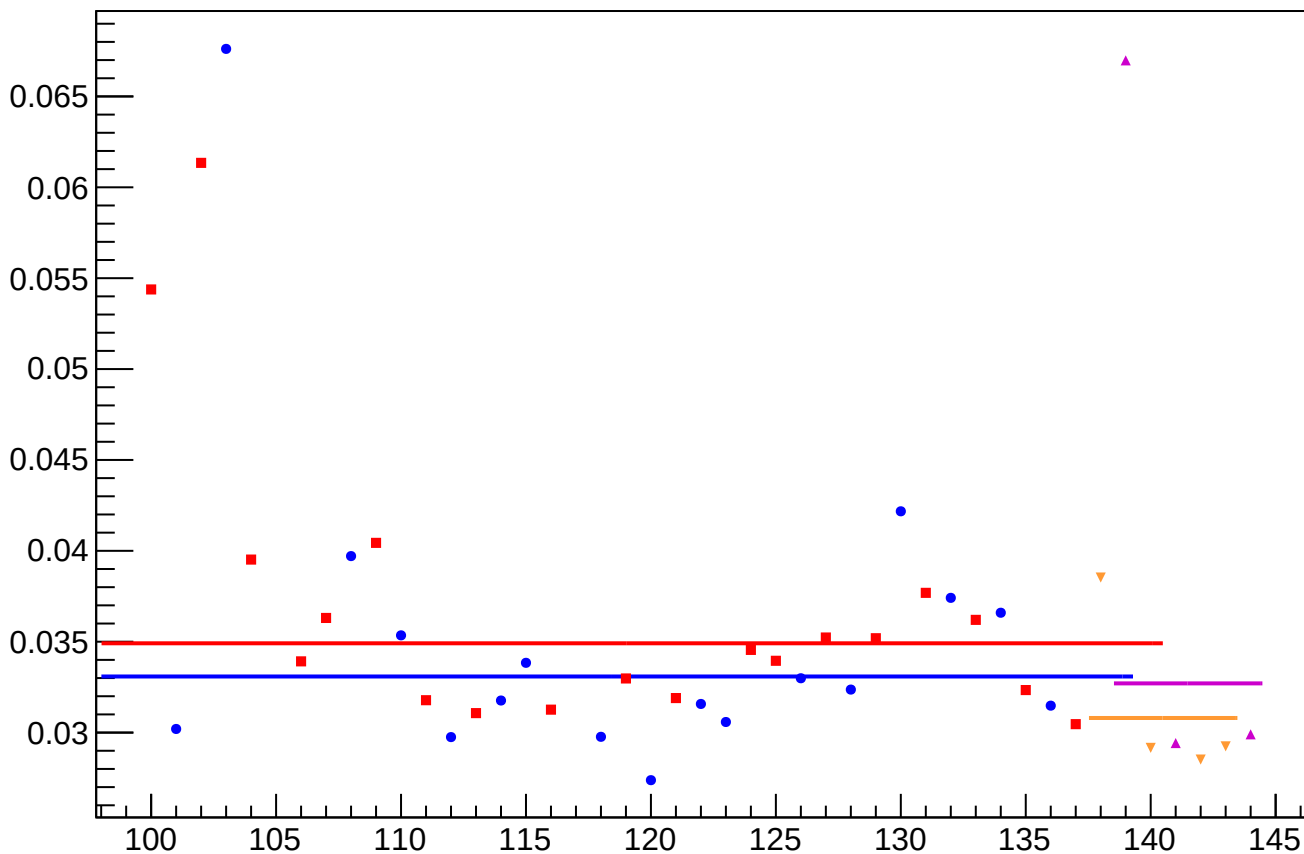
Right: -0.909+/-0.000 χ^2/NDF : 168526057.0/35

In: -0.939+/-0.000 χ^2/NDF : 109106734.4/19

Out: -0.962+/-0.000 χ^2/NDF : 152504169.6/22

All: -0.951+/-0.000 χ^2/NDF : 263368270.7/42

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 : 59160.0/3

Right Out: 0.035 ± 0.000 χ^2/NDF : 274757.5/18

Left In: 0.033 ± 0.000 χ^2/NDF : 374733.4/2

Left: 0.032 ± 0.000 χ^2/NDF : 440998.4/6

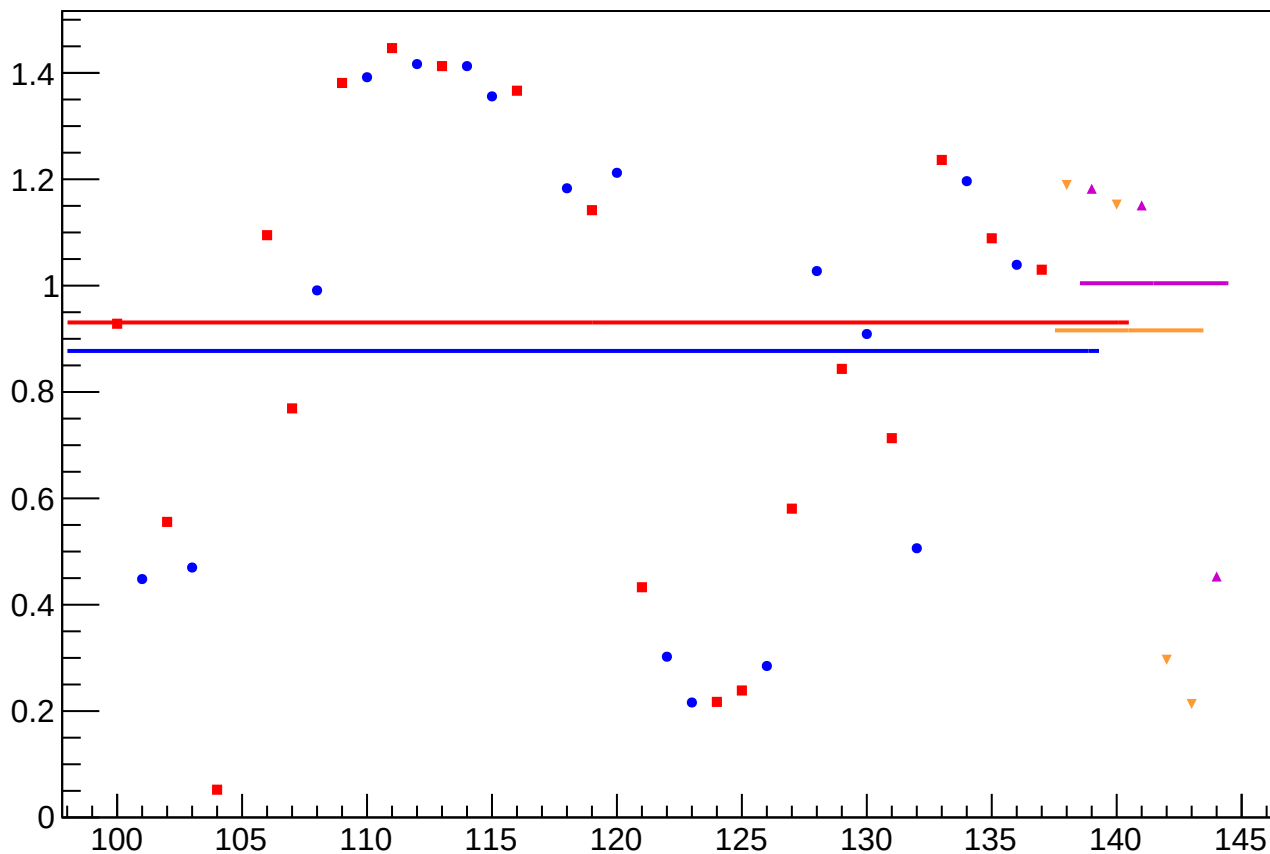
Right: 0.034 ± 0.000 χ^2/NDF : 700763.4/35

In: 0.033 ± 0.000 χ^2/NDF : 783836.3/19

Out: 0.034 ± 0.000 χ^2/NDF : 384851.5/22

All: 0.033 ± 0.000 χ^2/NDF : 1172104.7/42

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.877+/-0.000 χ^2/NDF : 6492530367.5/16

Left Out: 0.916+/-0.000 χ^2/NDF : 7894457667.8/3

Right Out: 0.931+/-0.000 χ^2/NDF : 9963132374.2/18

Left In: 1.005+/-0.000 χ^2/NDF : 4422436833.4/2

Left: 0.962+/-0.000 χ^2/NDF : 12496423585.0/6

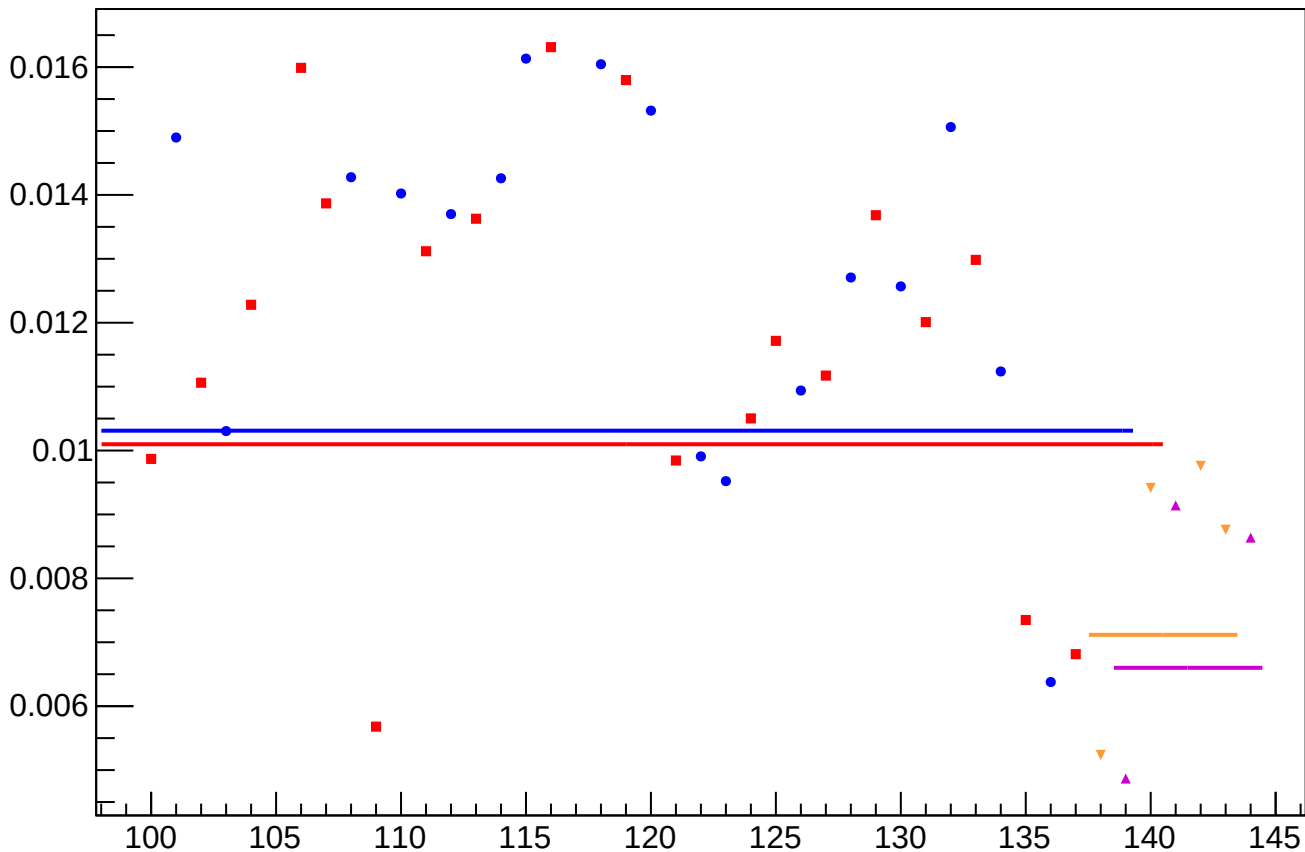
Right: 0.905+/-0.000 χ^2/NDF : 16534143607.8/35

In: 0.937+/-0.000 χ^2/NDF : 11318026153.8/19

Out: 0.924+/-0.000 χ^2/NDF : 17863109166.7/22

All: 0.931+/-0.000 χ^2/NDF : 29189899881.8/4

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 : 358853.3/3

Right Out: 0.010+/-0.000 χ^2/NDF : 1175272.9/18

Left In: 0.007+/-0.000 χ^2/NDF : 373602.4/2

Left: 0.007+/-0.000 χ^2/NDF : 744616.9/6

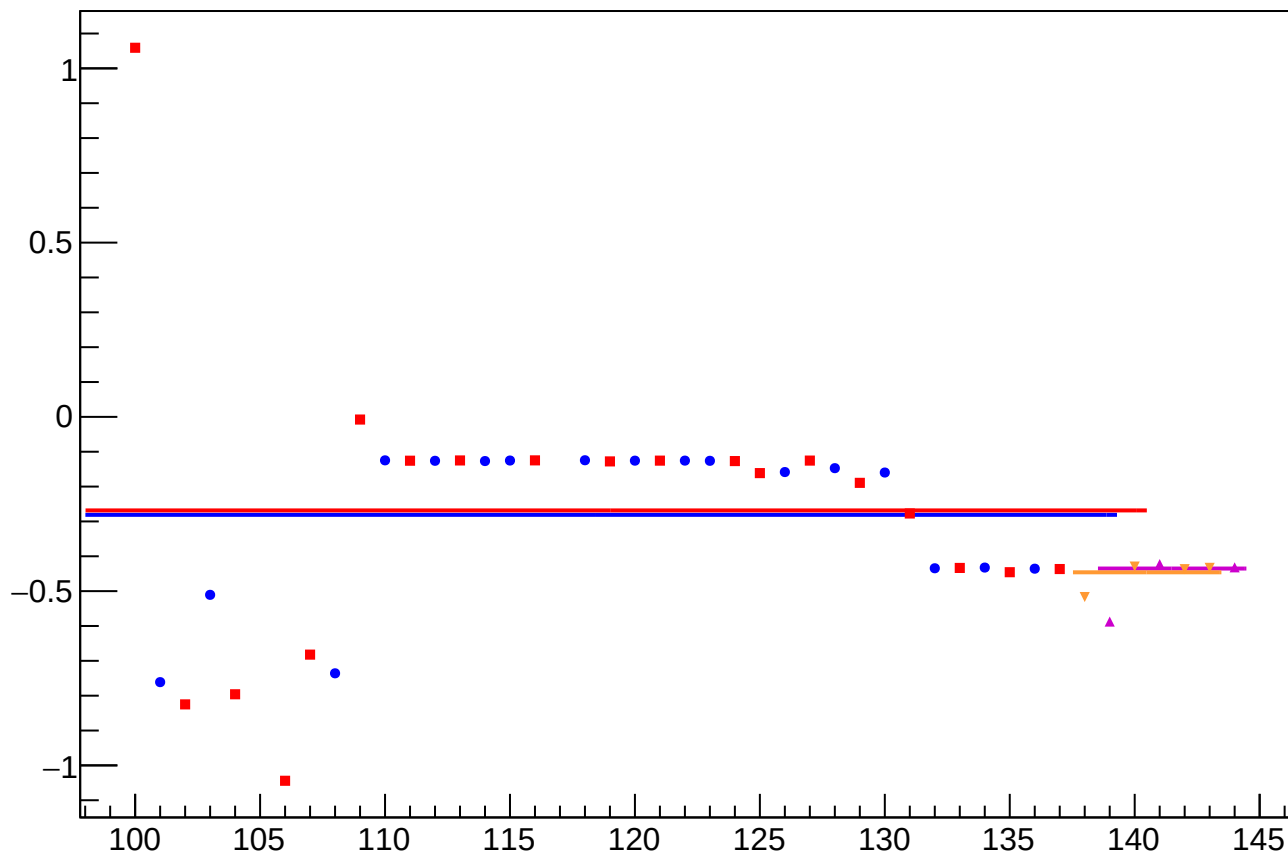
Right: 0.010+/-0.000 χ^2/NDF : 2407045.8/35

In: 0.009+/-0.000 χ^2/NDF : 2287613.0/19

Out: 0.009+/-0.000 χ^2/NDF : 1977877.0/22

All: 0.009+/-0.000 χ^2/NDF : 4271341.9/42

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.281 ± 0.000 $\chi^2/\text{NDF}: 905834039.3/16$

Left Out: -0.446 ± 0.000 $\chi^2/\text{NDF}: 21854442.6/3$

Right Out: -0.268 ± 0.000 $\chi^2/\text{NDF}: 967576606.4/18$

Left In: -0.435 ± 0.000 $\chi^2/\text{NDF}: 22523659.9/2$

Left: -0.441 ± 0.000 $\chi^2/\text{NDF}: 45555209.9/6$

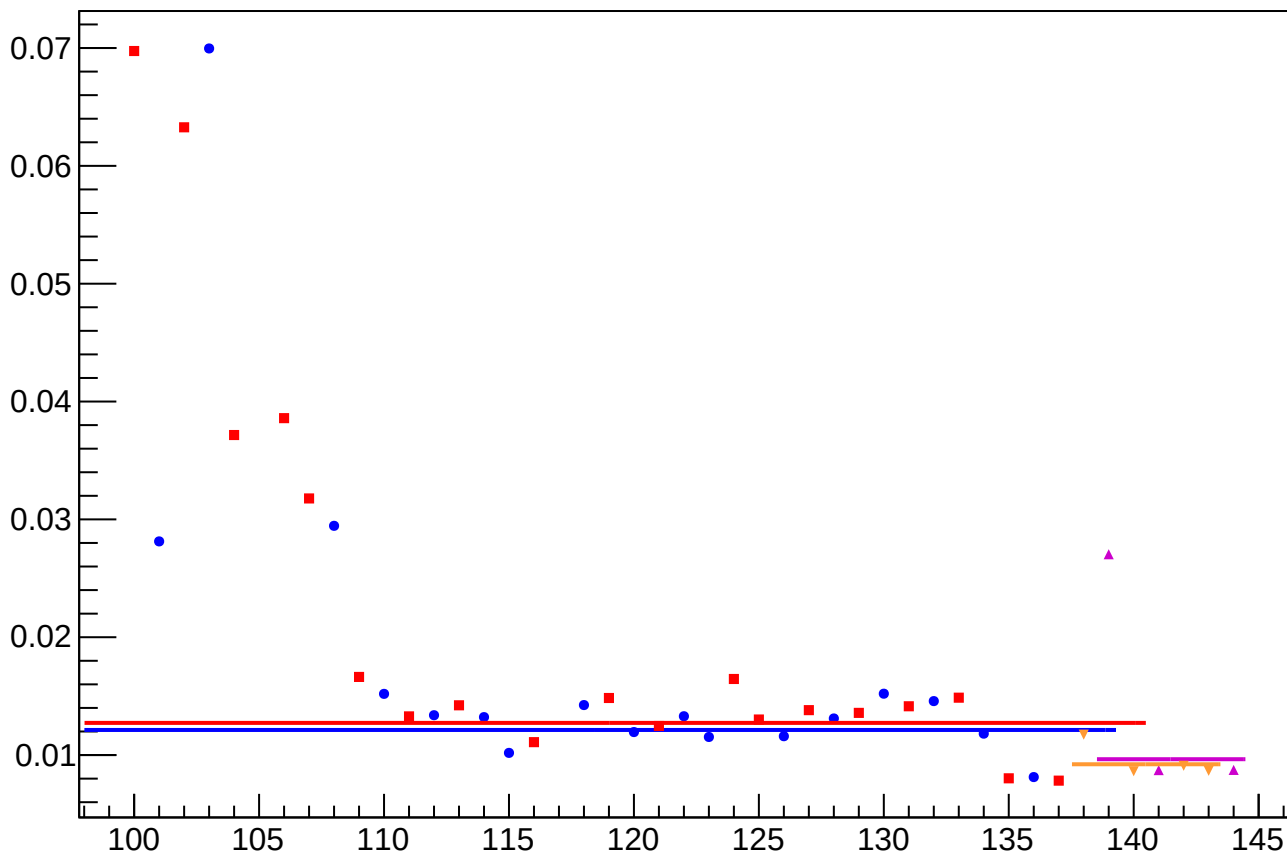
Right: -0.275 ± 0.000 $\chi^2/\text{NDF}: 1875885505.2/35$

In: -0.337 ± 0.000 $\chi^2/\text{NDF}: 1203571467.9/19$

Out: -0.345 ± 0.000 $\chi^2/\text{NDF}: 1394811265.6/22$

All: -0.341 ± 0.000 $\chi^2/\text{NDF}: 2600062254.1/4$

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1724778.2/16

Left Out: 0.009+/-0.000 χ^2/NDF :55725.9/3

Right Out: 0.013+/-0.000 χ^2/NDF : 1970038.2/18

Left In: 0.010+/-0.000 χ^2/NDF :579052.9/2

Left: 0.009+/-0.000 χ^2/NDF : 638495.8/6

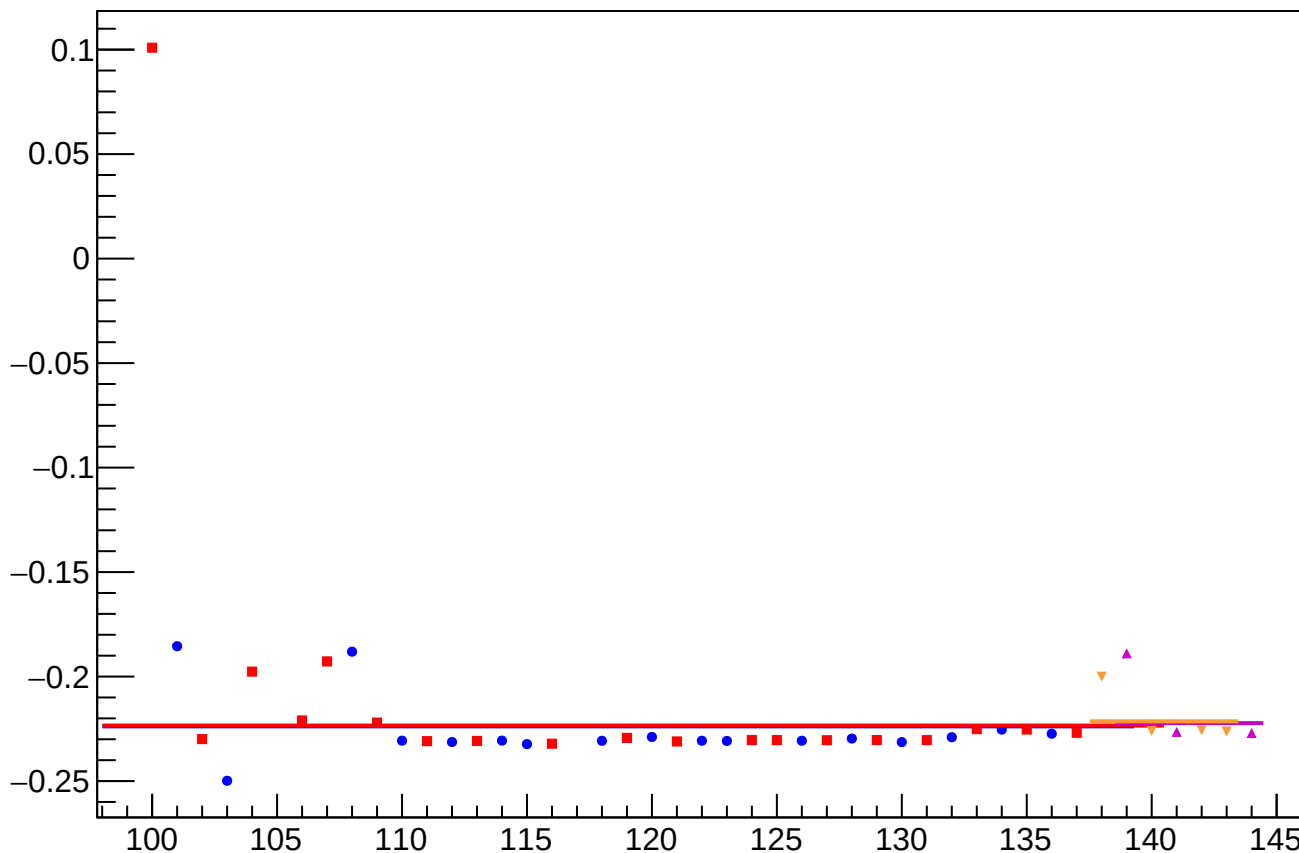
Right: 0.012+/-0.000 χ^2/NDF : 3705932.5/35

In: 0.011+/-0.000 χ^2/NDF :2446449.3/19

Out: 0.011+/-0.000 χ^2/NDF :2342568.3/22

All: 0.011+/-0.000 χ^2/NDF : 4789029.3/42

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.224+/-0.000 χ^2/NDF : 74308262.0/16

Left Out: -0.221+/-0.000 χ^2/NDF : 11239924.2/3

Right Out: -0.223+/-0.000 χ^2/NDF : 167796311.6/18

Left In: -0.222+/-0.000 χ^2/NDF : 13113008.1/2

Left: -0.222+/-0.000 χ^2/NDF : 24389928.5/6

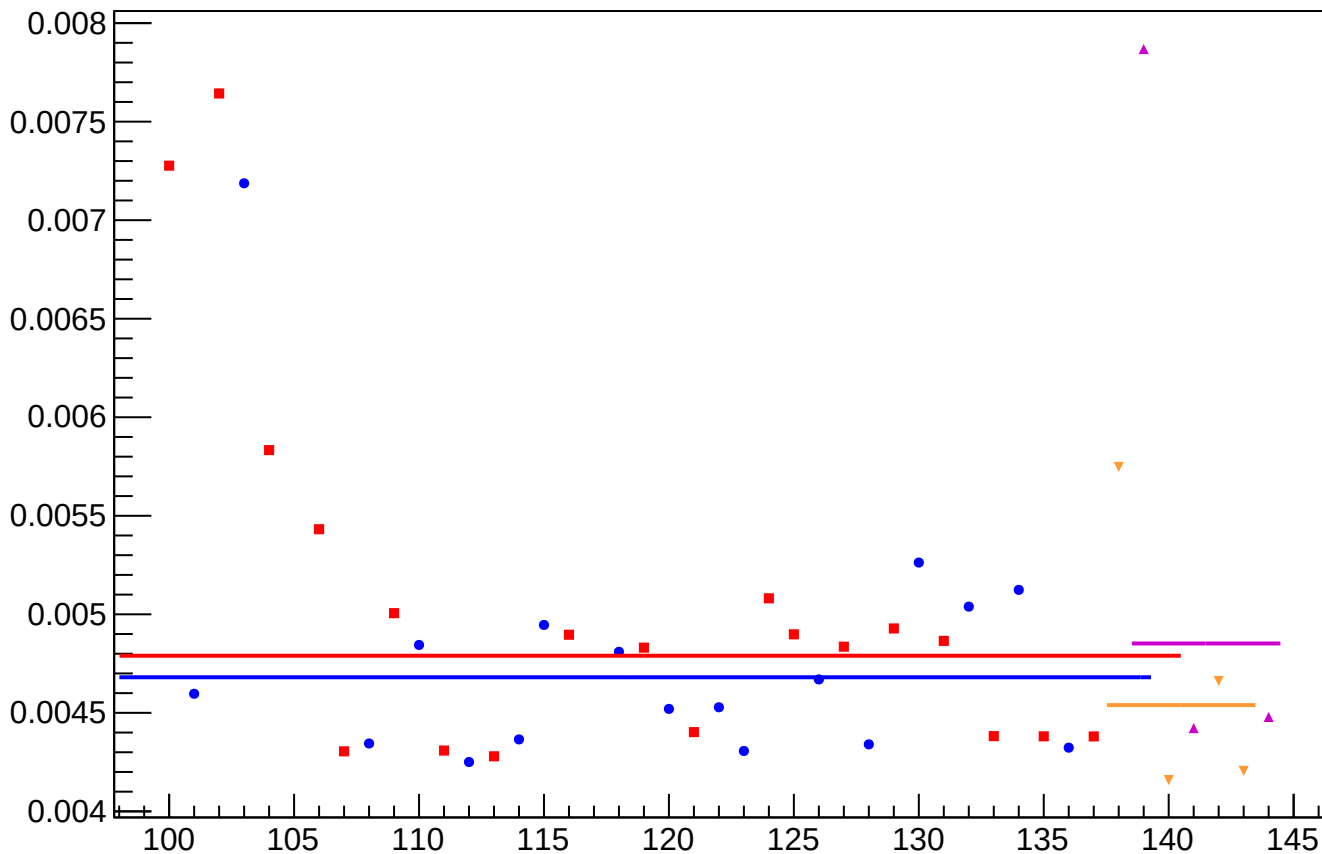
Right: -0.224+/-0.000 χ^2/NDF : 242124166.5/35

In: -0.223+/-0.000 χ^2/NDF : 87583119.4/19

Out: -0.223+/-0.000 χ^2/NDF : 179370988.3/22

All: -0.223+/-0.000 χ^2/NDF : 267019026.5/42

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 : 78998.4/3

Right Out: 0.005+/-0.000 χ^2/NDF : 248518.8/18

Left In: 0.005+/-0.000 χ^2/NDF : 214057.8/2

Left: 0.005+/-0.000 χ^2/NDF : 302741.5/6

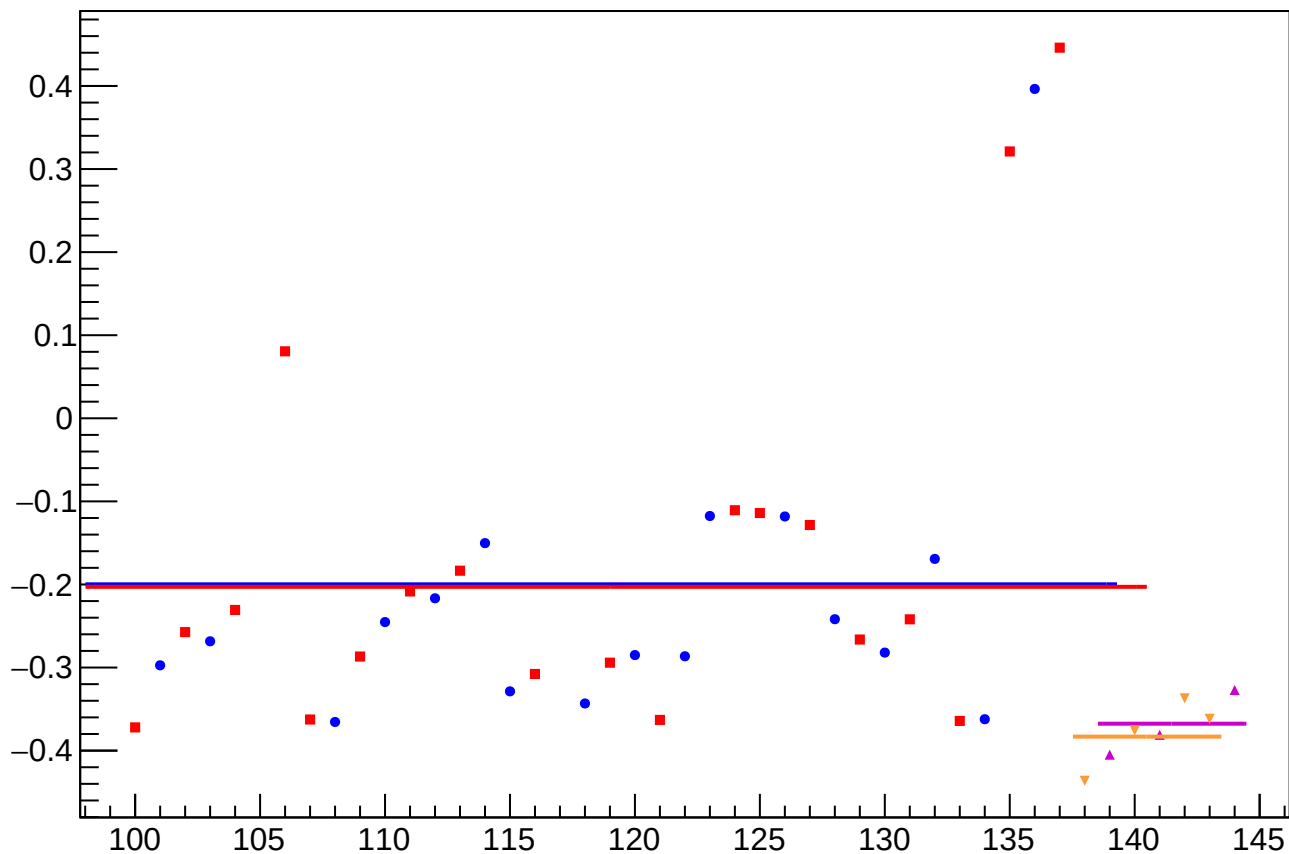
Right: 0.005+/-0.000 χ^2/NDF : 432453.6/35

In: 0.005+/-0.000 χ^2/NDF : 398621.3/19

Out: 0.005+/-0.000 χ^2/NDF : 337582.8/22

All: 0.005+/-0.000 χ^2/NDF : 736212.2/42

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.200+/-0.000 χ^2/NDF : 5966157035.1/16

Left Out: -0.383+/-0.000 χ^2/NDF : 131178464.1/3

Right Out: -0.203+/-0.000 χ^2/NDF : 5025528680.0/18

Left In: -0.368+/-0.000 χ^2/NDF : 104209046.9/2

Left: -0.376+/-0.000 χ^2/NDF : 247387598.3/6

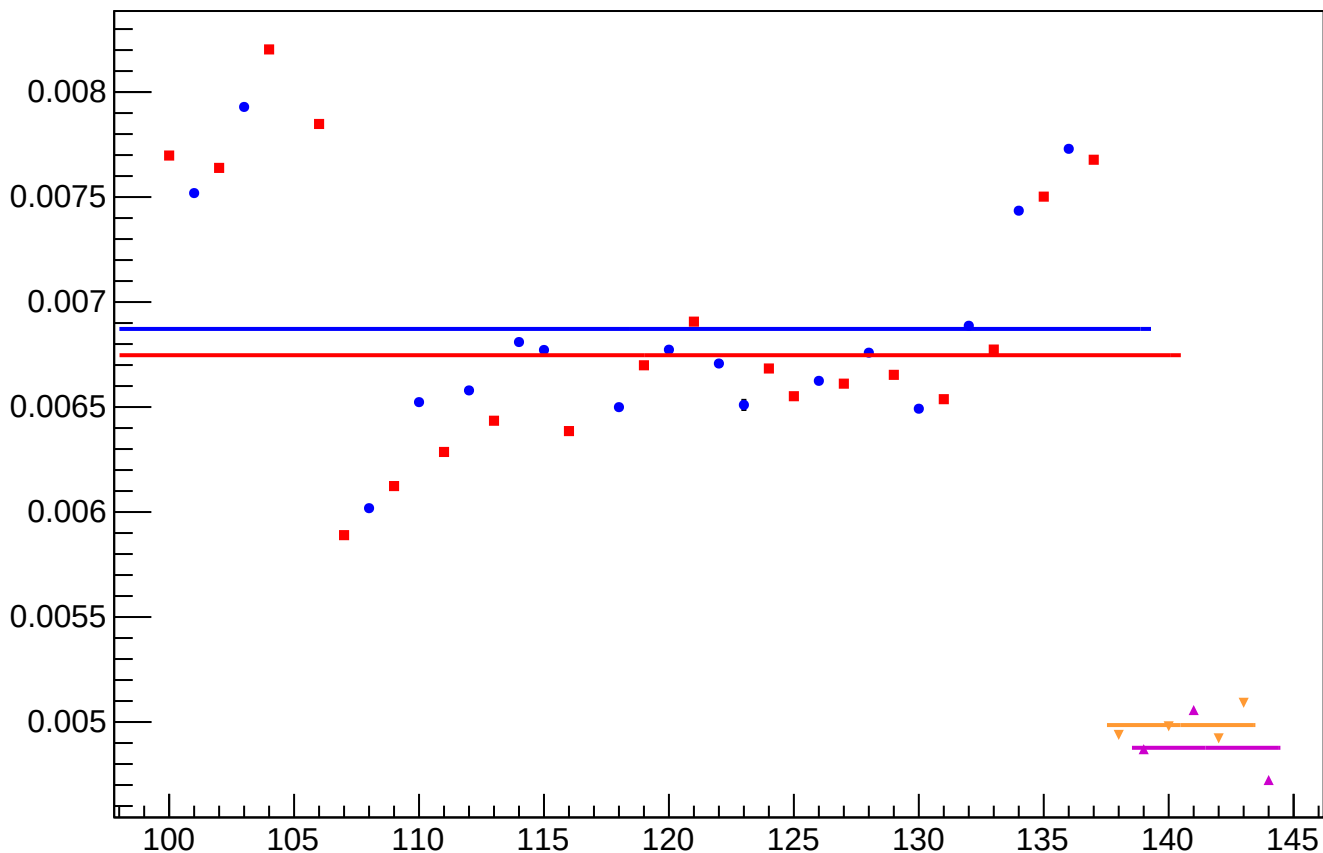
Right: -0.201+/-0.000 χ^2/NDF : 10992344993.2/35

In: -0.269+/-0.000 χ^2/NDF : 7667862620.2/19

Out: -0.276+/-0.000 χ^2/NDF : 7133235582.1/22

All: -0.272+/-0.000 χ^2/NDF : 14807163781.6/41

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 78685.4/16

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:823.1/3

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 105420.2/18

Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:3777.6/2

Left: 0.005 $\pm$ 0.000 χ^2 /NDF: 5761.0/6

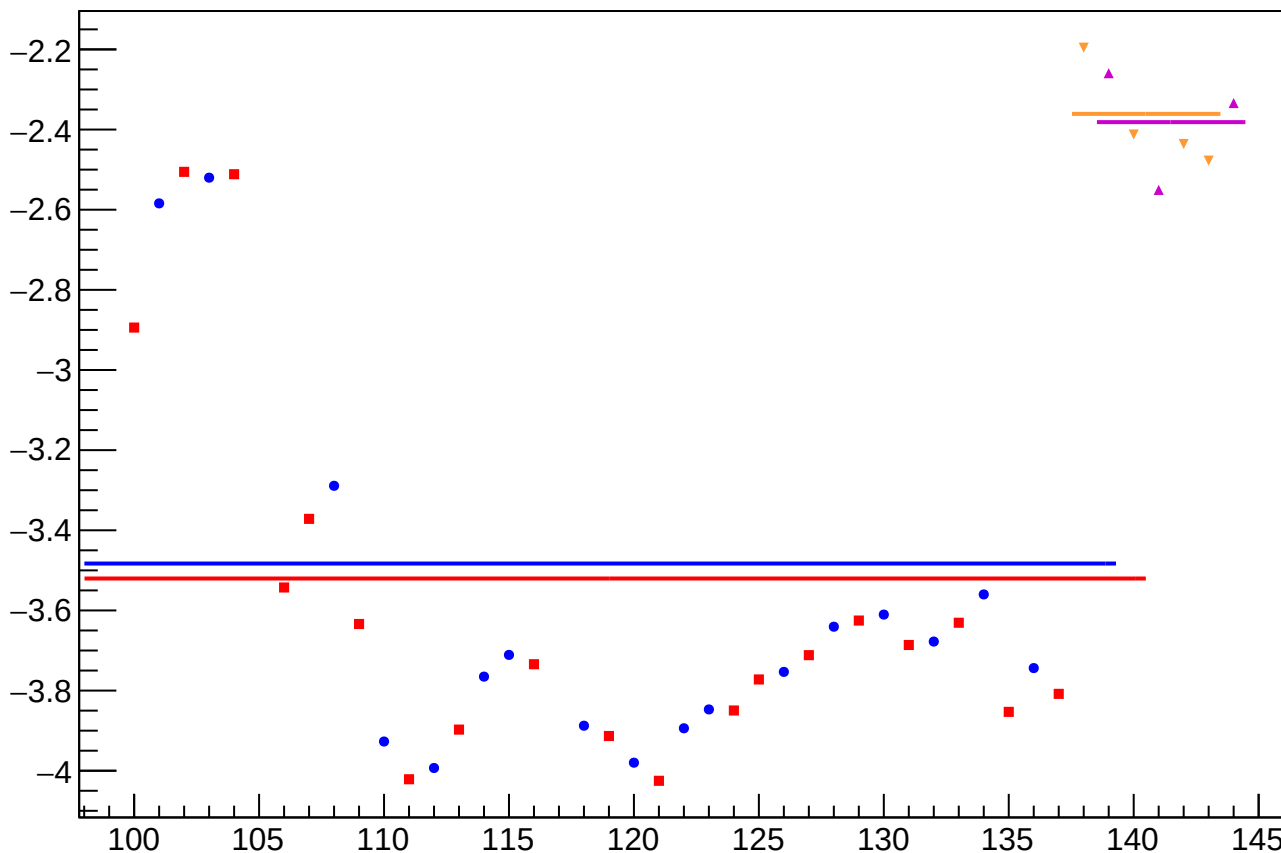
Right: 0.007 $\pm$ 0.000 χ^2 /NDF: 186365.3/35

In: 0.006 $\pm$ 0.000 χ^2 /NDF:534175.8/19

Out: 0.006 $\pm$ 0.000 χ^2 /NDF:483453.8/22

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 1017714.5/42

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.483+/-0.000 χ^2/NDF : 27157654838.2/16

Left Out: -2.361+/-0.000 χ^2/NDF : 344284283.8/3

Right Out: -3.520+/-0.000 χ^2/NDF : 26453336521.2/18

Left In: -2.381+/-0.000 χ^2/NDF : 324914874.5/2

Left: -2.370+/-0.000 χ^2/NDF : 674092518.9/6

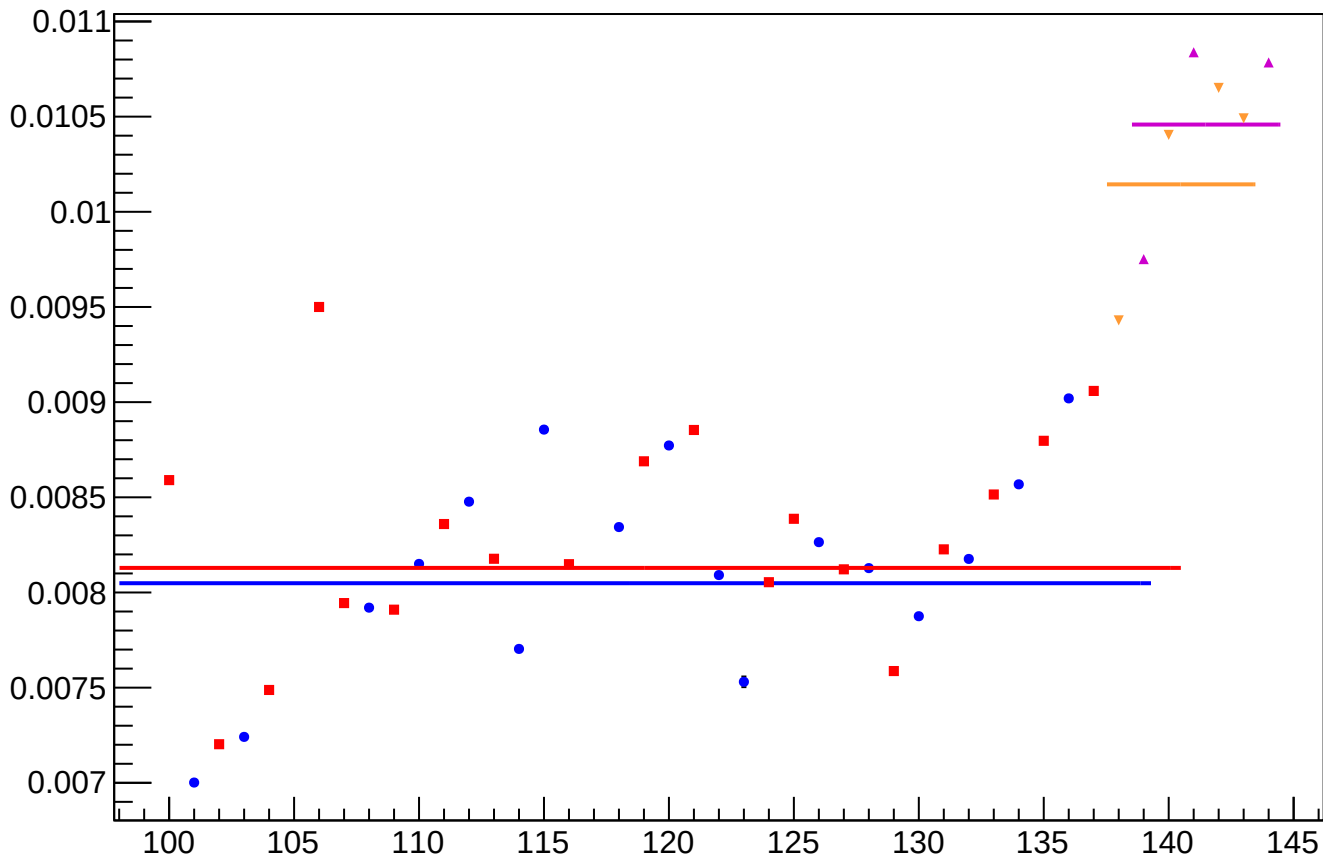
Right: -3.502+/-0.000 χ^2/NDF : 53681520881.9/35

In: -3.290+/-0.000 χ^2/NDF : 48764445362.3/19

Out: -3.291+/-0.000 χ^2/NDF : 53911759685.7/22

All: -3.291+/-0.000 χ^2/NDF : 102676344963.0

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 :12661.3/3

Right Out: 0.008+/-0.000 χ^2/NDF : 57777.8/18

Left In: 0.010+/-0.000 χ^2/NDF :10639.5/2

Left: 0.010+/-0.000 χ^2/NDF : 25574.9/6

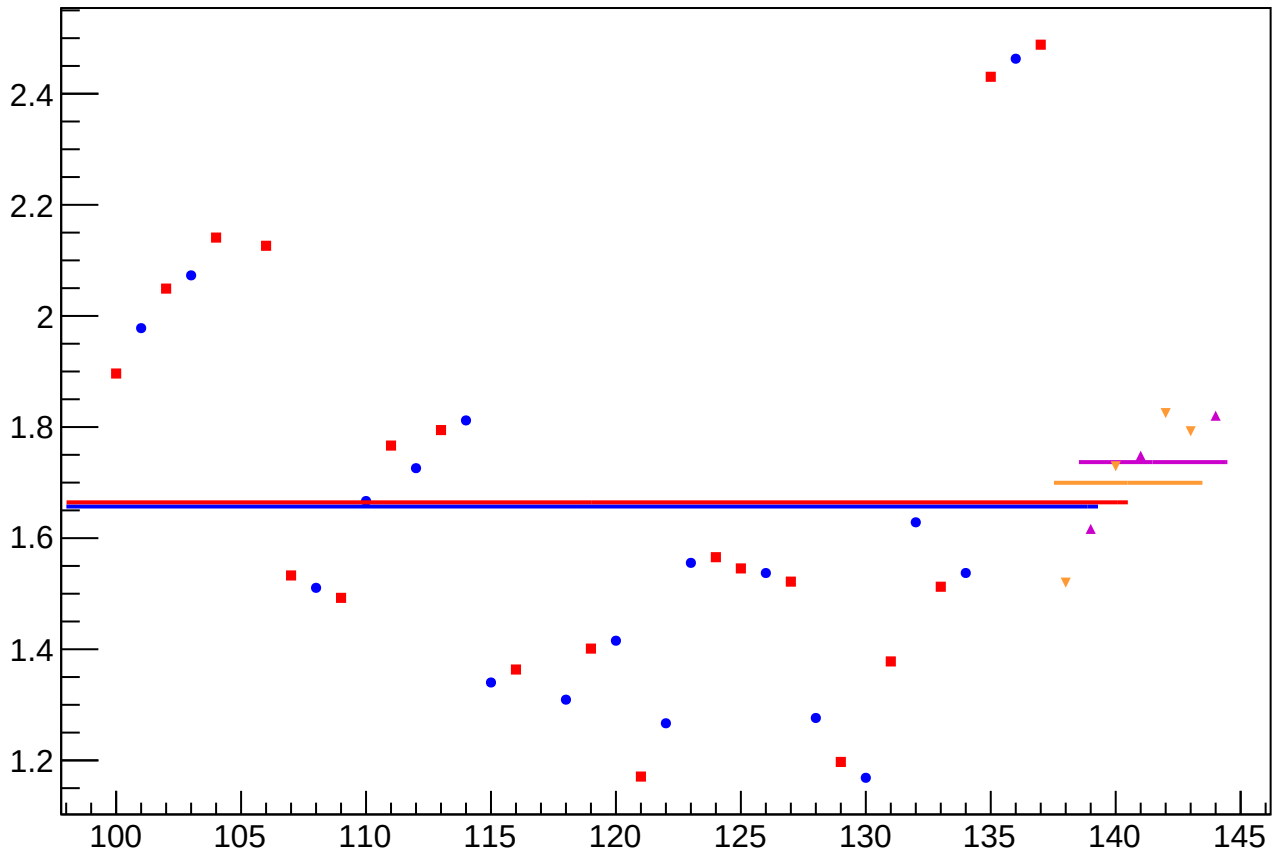
Right: 0.008+/-0.000 χ^2/NDF : 130608.9/35

In: 0.008+/-0.000 χ^2/NDF :286534.5/19

Out: 0.009+/-0.000 χ^2/NDF :234242.5/22

All: 0.008+/-0.000 χ^2/NDF : 521165.9/42

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF : 6432420267.9/16

Left Out: 1.700+/-0.000 χ^2/NDF : 303577755.2/3

Right Out: 1.664+/-0.000 χ^2/NDF : 5940917748.5/18

Left In: 1.737+/-0.000 χ^2/NDF : 140316036.2/2

Left: 1.718+/-0.000 χ^2/NDF : 458400946.1/6

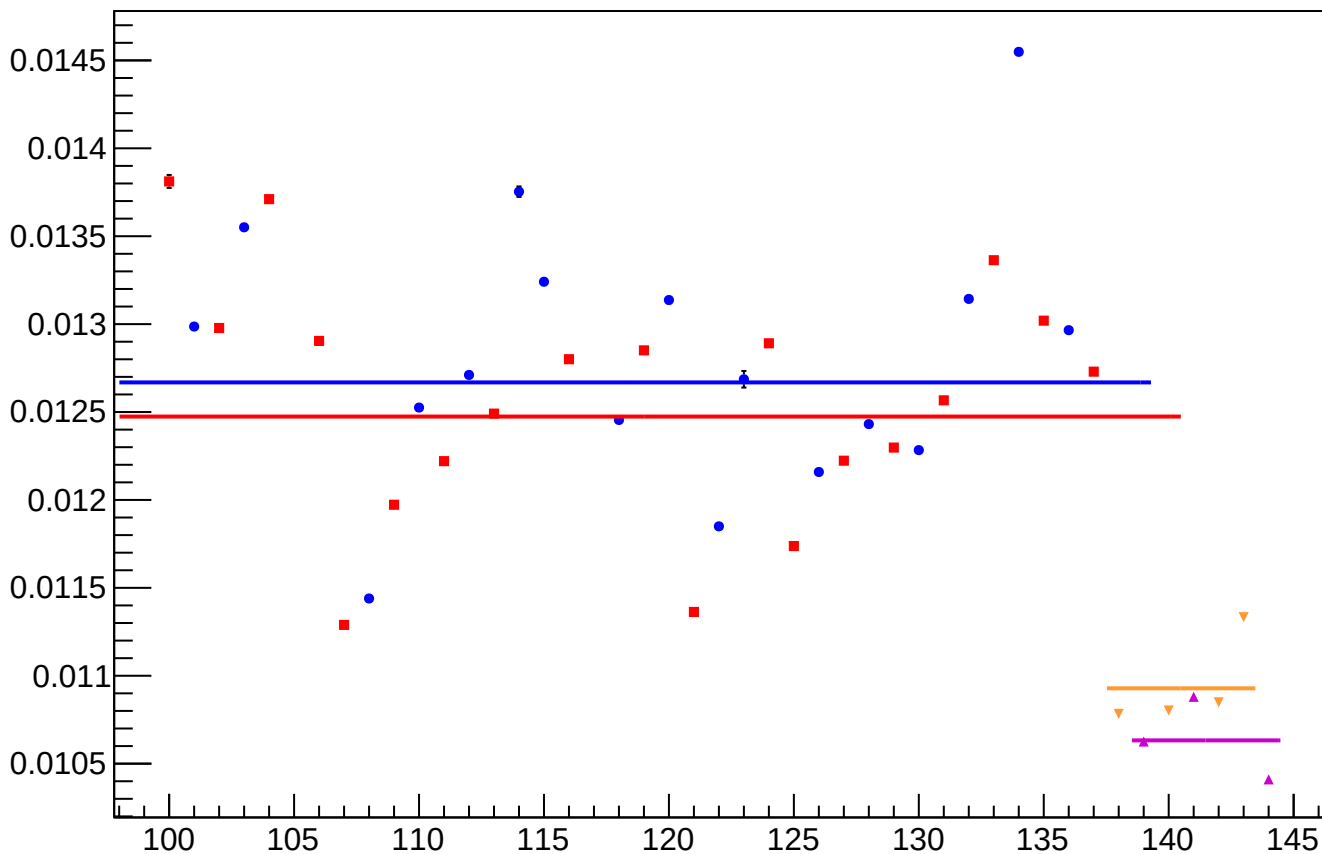
Right: 1.661+/-0.000 χ^2/NDF : 12374534399.5/35

In: 1.684+/-0.000 χ^2/NDF : 6660044828.4/19

Out: 1.676+/-0.000 χ^2/NDF : 6262308792.9/22

All: 1.680+/-0.000 χ^2/NDF : 12924296761.2/4

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 : 2151.6/3

Right Out: 0.012+/-0.000 χ^2/NDF : 38559.4/18

Left In: 0.011+/-0.000 χ^2/NDF : 1609.6/2

Left: 0.011+/-0.000 χ^2/NDF : 5598.8/6

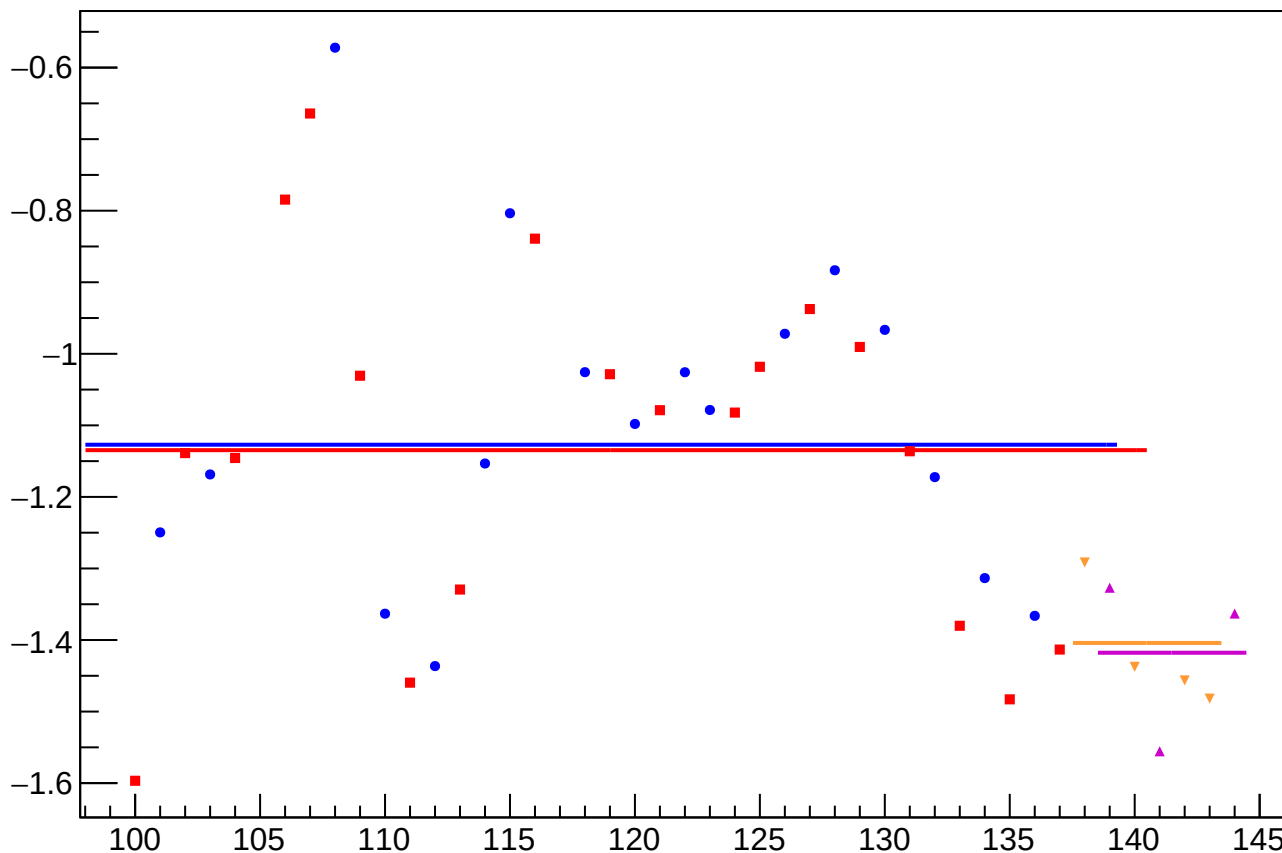
Right: 0.013+/-0.000 χ^2/NDF : 71882.0/35

In: 0.012+/-0.000 χ^2/NDF : 146680.6/19

Out: 0.012+/-0.000 χ^2/NDF : 109457.2/22

All: 0.012+/-0.000 χ^2/NDF : 256151.5/42

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -1.127+/-0.000 χ^2/NDF : 3546179478.6/16

Left Out: -1.404+/-0.000 χ^2/NDF : 235519328.8/3

Right Out: -1.135+/-0.000 χ^2/NDF : 3674870672.6/18

Left In: -1.418+/-0.000 χ^2/NDF : 324912454.7/2

Left: -1.410+/-0.000 χ^2/NDF : 563675609.6/6

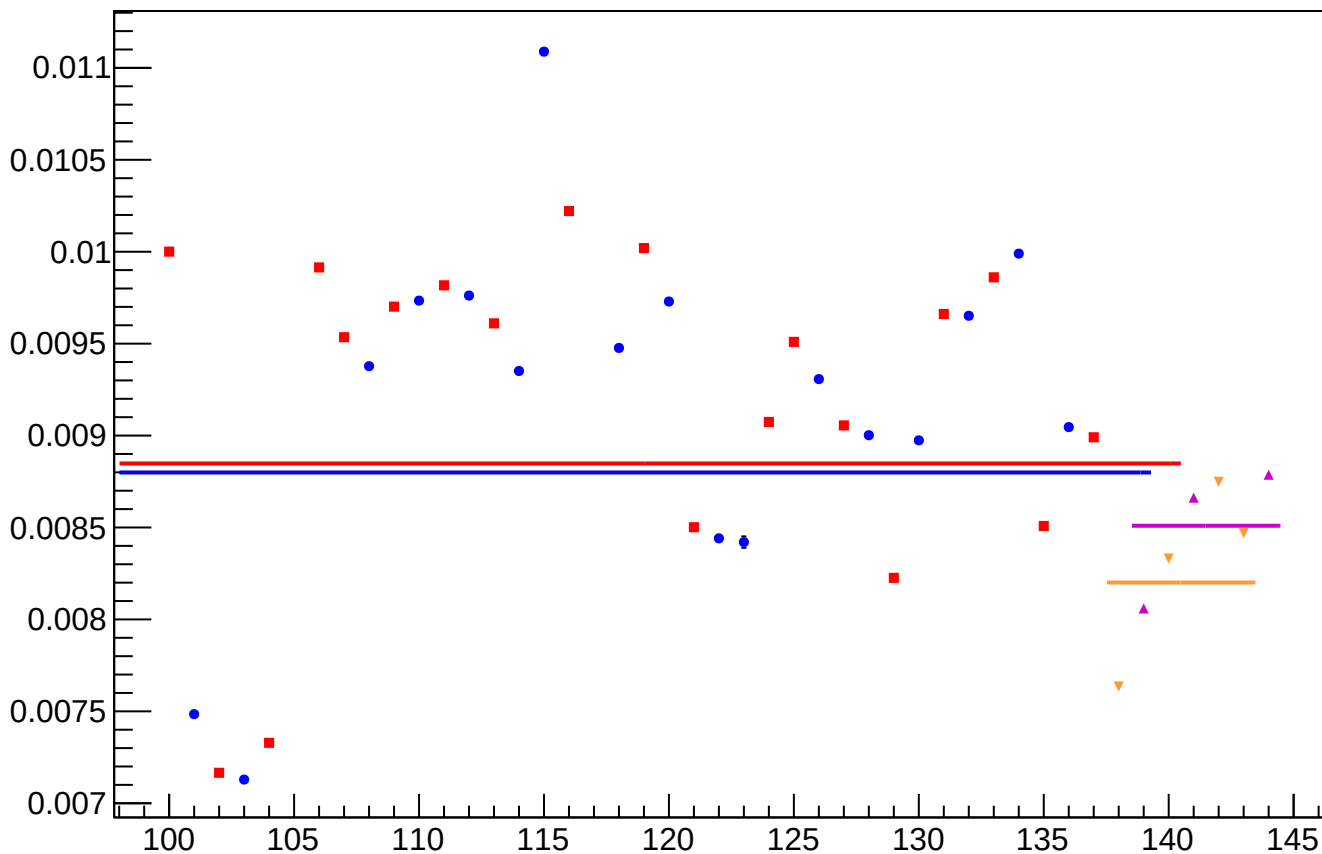
Right: -1.131+/-0.000 χ^2/NDF : 7223462061.2/35

In: -1.208+/-0.000 χ^2/NDF : 5809683421.0/19

Out: -1.218+/-0.000 χ^2/NDF : 5807170618.6/22

All: -1.213+/-0.000 χ^2/NDF : 11622666968.0/40

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 :12698.2/3

Right Out: 0.009+/-0.000 χ^2/NDF : 174016.9/18

Left In: 0.009+/-0.000 χ^2/NDF :6301.6/2

Left: 0.008+/-0.000 χ^2/NDF : 22300.1/6

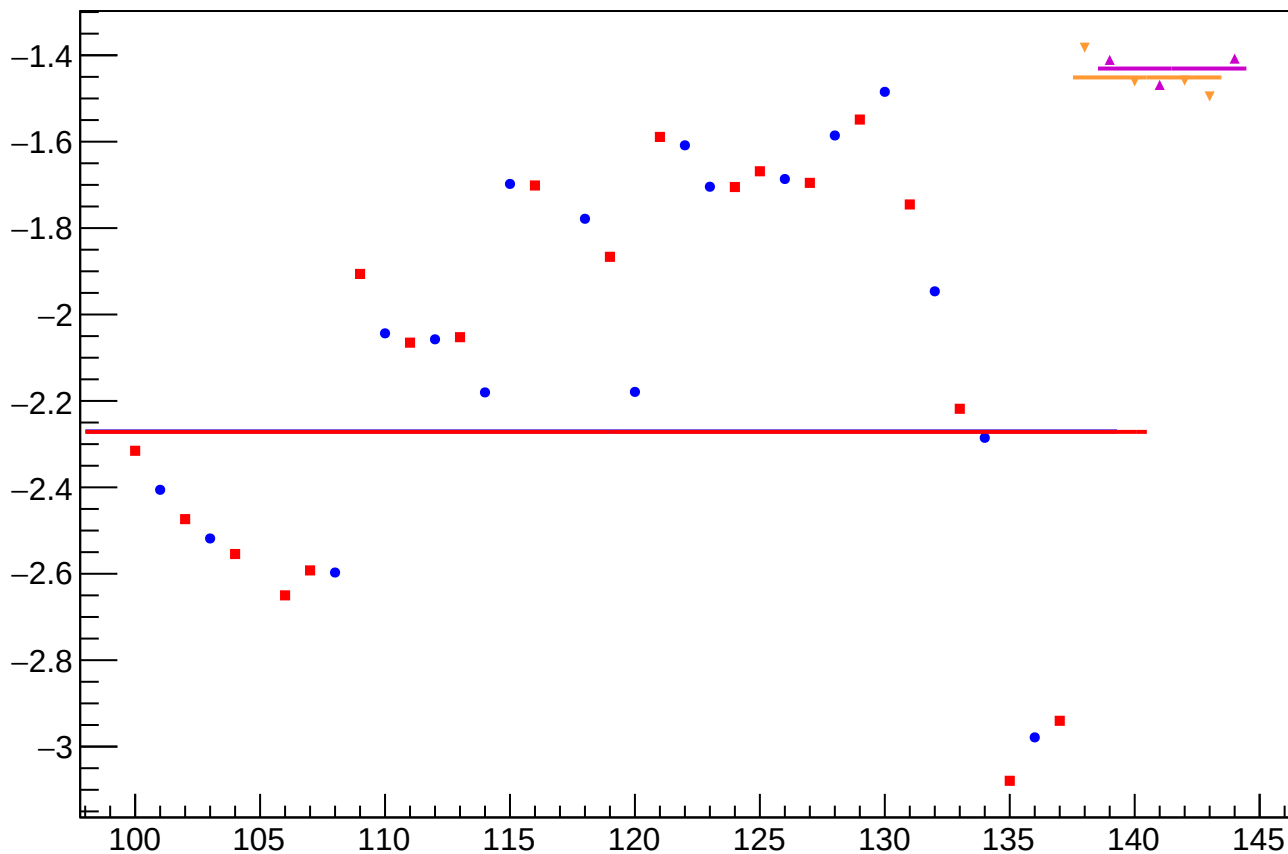
Right: 0.009+/-0.000 χ^2/NDF : 325740.2/35

In: 0.009+/-0.000 χ^2/NDF :161678.2/19

Out: 0.009+/-0.000 χ^2/NDF :208634.7/22

All: 0.009+/-0.000 χ^2/NDF : 370906.3/42

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -2.271+/-0.000 χ^2/NDF : 17322622121.9/16

Left Out: -1.451+/-0.000 χ^2/NDF : 65955418.4/3

Right Out: -2.272+/-0.000 χ^2/NDF : 19002792241.6/18

Left In: -1.431+/-0.000 χ^2/NDF : 31396791.1/2

Left: -1.441+/-0.000 χ^2/NDF : 105570389.1/6

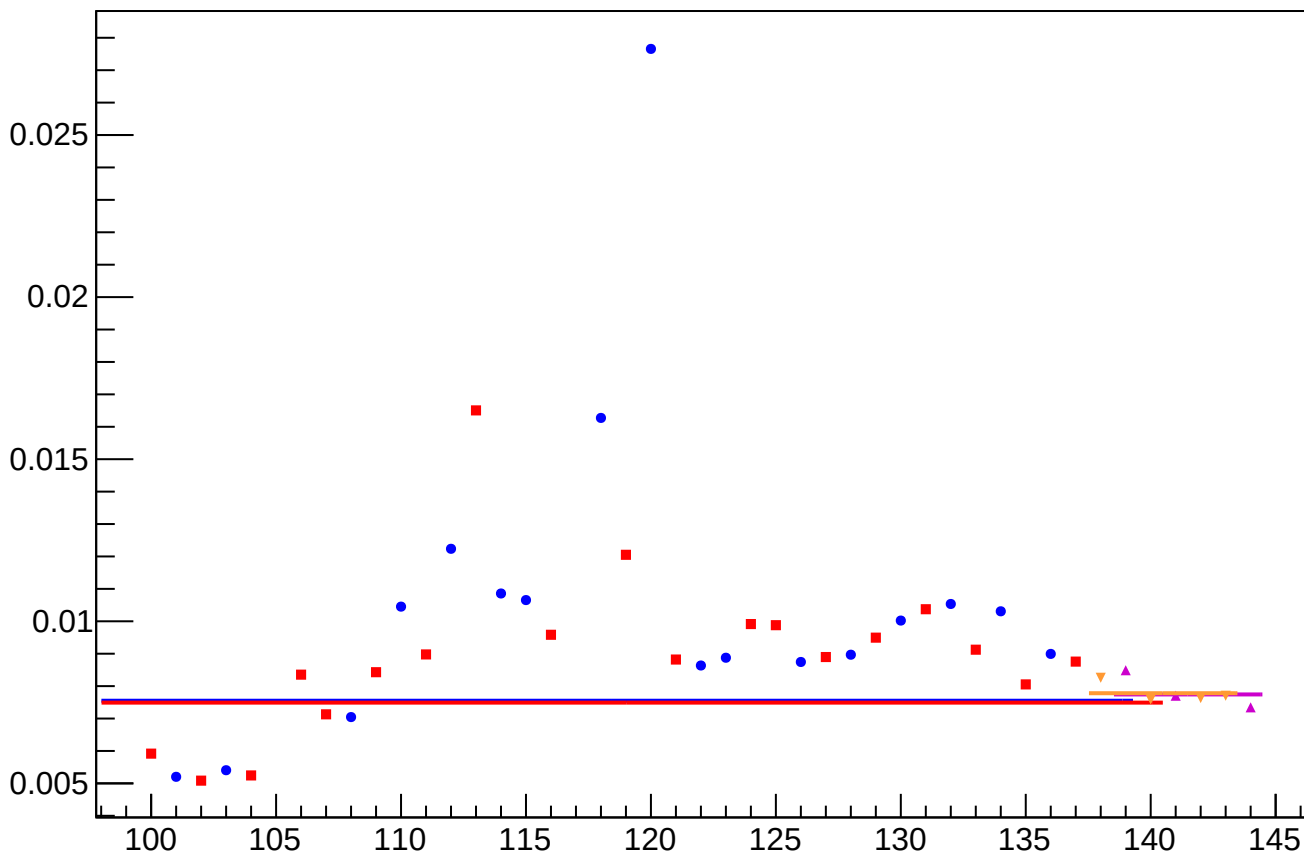
Right: -2.271+/-0.000 χ^2/NDF : 36325463324.0/35

In: -2.019+/-0.000 χ^2/NDF : 35986181001.0/19

Out: -2.037+/-0.000 χ^2/NDF : 38199009909.0/22

All: -2.029+/-0.000 χ^2/NDF : 74208731142.0/40

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 :5654.4/3

Right Out: 0.007+/-0.000 χ^2/NDF : 926036.5/18

Left In: 0.008+/-0.000 χ^2/NDF :14632.2/2

Left: 0.008+/-0.000 χ^2/NDF : 20341.5/6

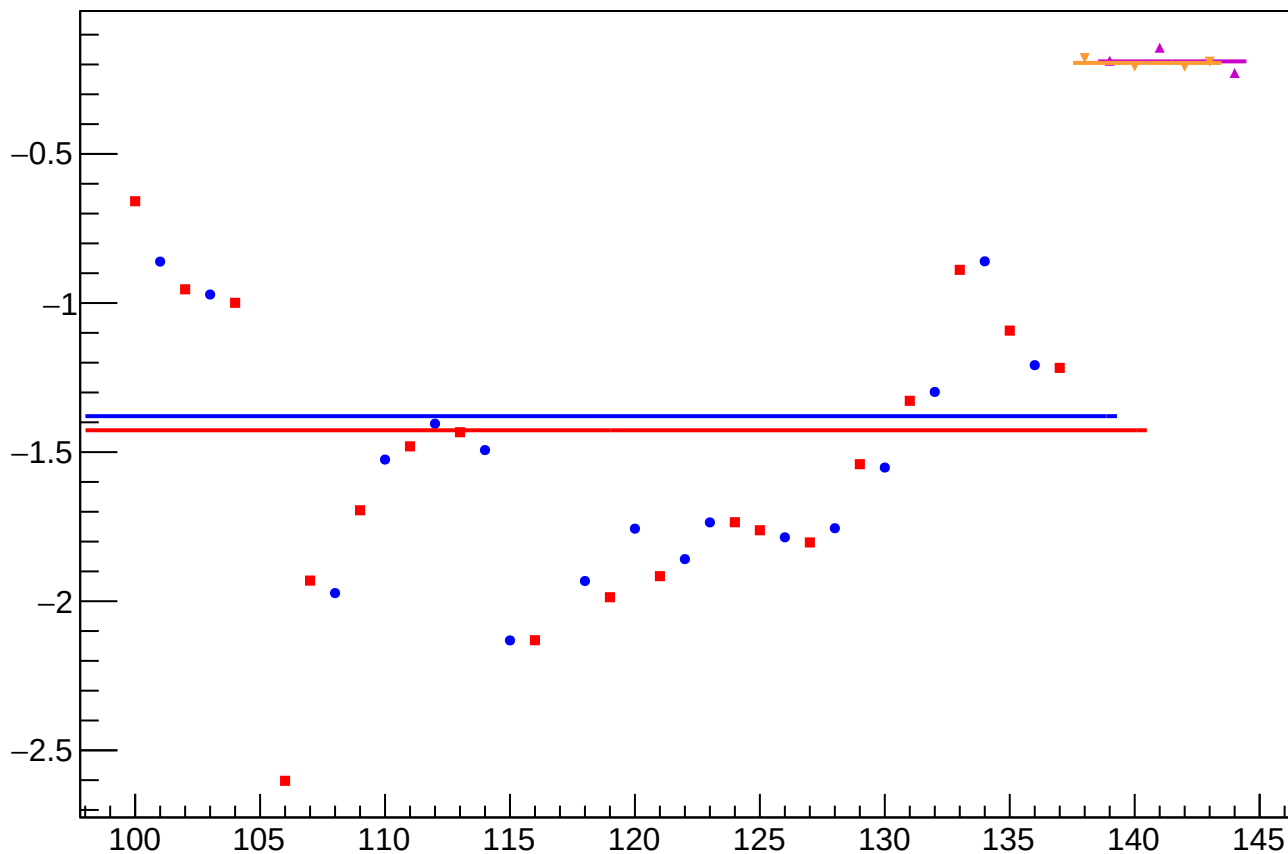
Right: 0.008+/-0.000 χ^2/NDF : 2141481.5/35

In: 0.008+/-0.000 χ^2/NDF :1231761.1/19

Out: 0.008+/-0.000 χ^2/NDF :936475.7/22

All: 0.008+/-0.000 χ^2/NDF : 2168385.2/42

yield_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: -1.379+/-0.000

χ^2/NDF : 19933785465.4/16

Left: -0.192+/-0.000

χ^2/NDF : 198667607.4/6

Left Out: -0.195+/-0.000

χ^2/NDF : 21808967.0/3

Right: -1.405+/-0.000

χ^2/NDF : 49678951559.0/35

Right Out: -1.427+/-0.000

χ^2/NDF : 29588471982.5/18

In: -0.769+/-0.000

χ^2/NDF : 114192563071.4/19

Out: -0.815+/-0.000

χ^2/NDF : 143977435484.2/22

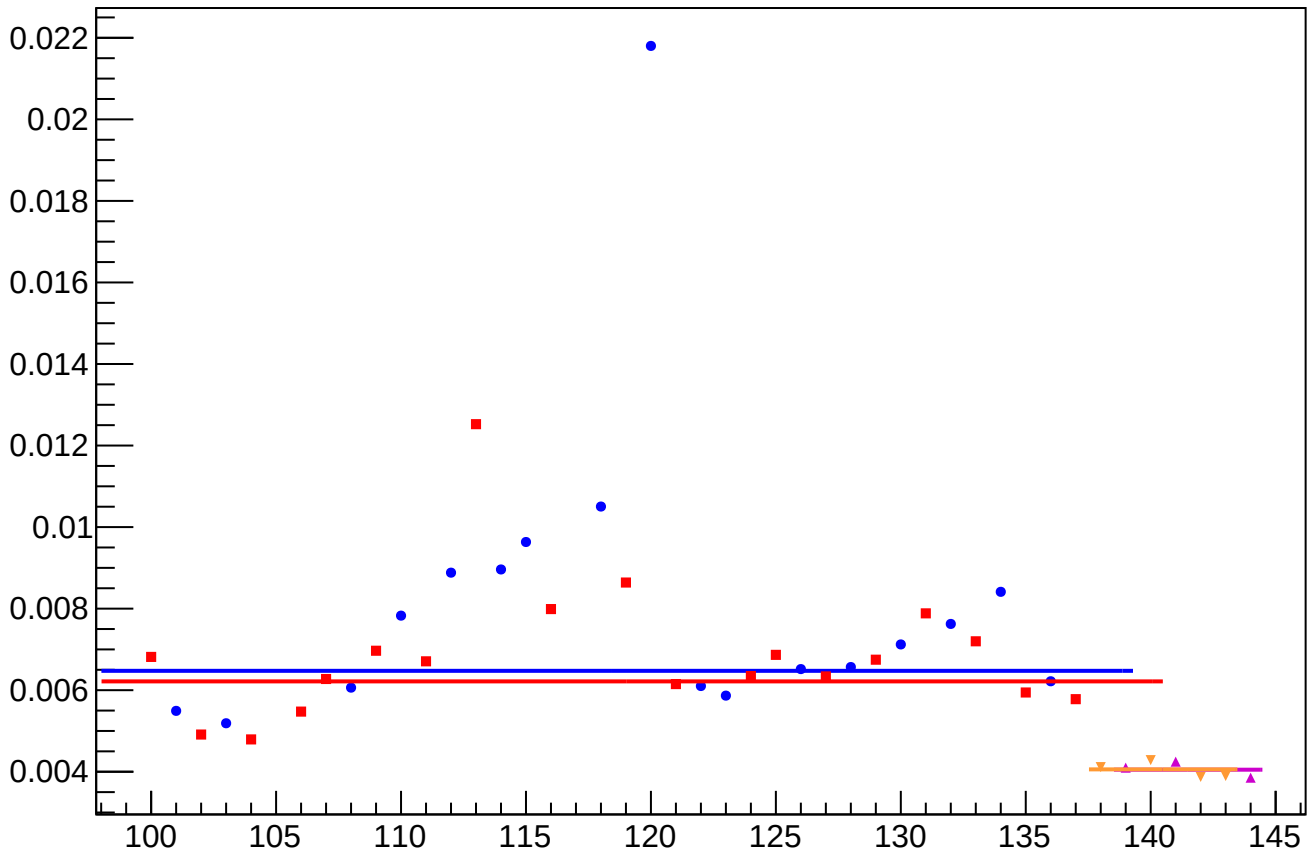
Left In: -0.190+/-0.000

χ^2/NDF : 175004322.3/2

All: -0.793+/-0.000

χ^2/NDF : 258476048070.6

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 :8401.6/3

Right Out: 0.006+/-0.000 χ^2/NDF : 418205.6/18

Left In: 0.004+/-0.000 χ^2/NDF :7747.8/2

Left: 0.004+/-0.000 χ^2/NDF : 16158.4/6

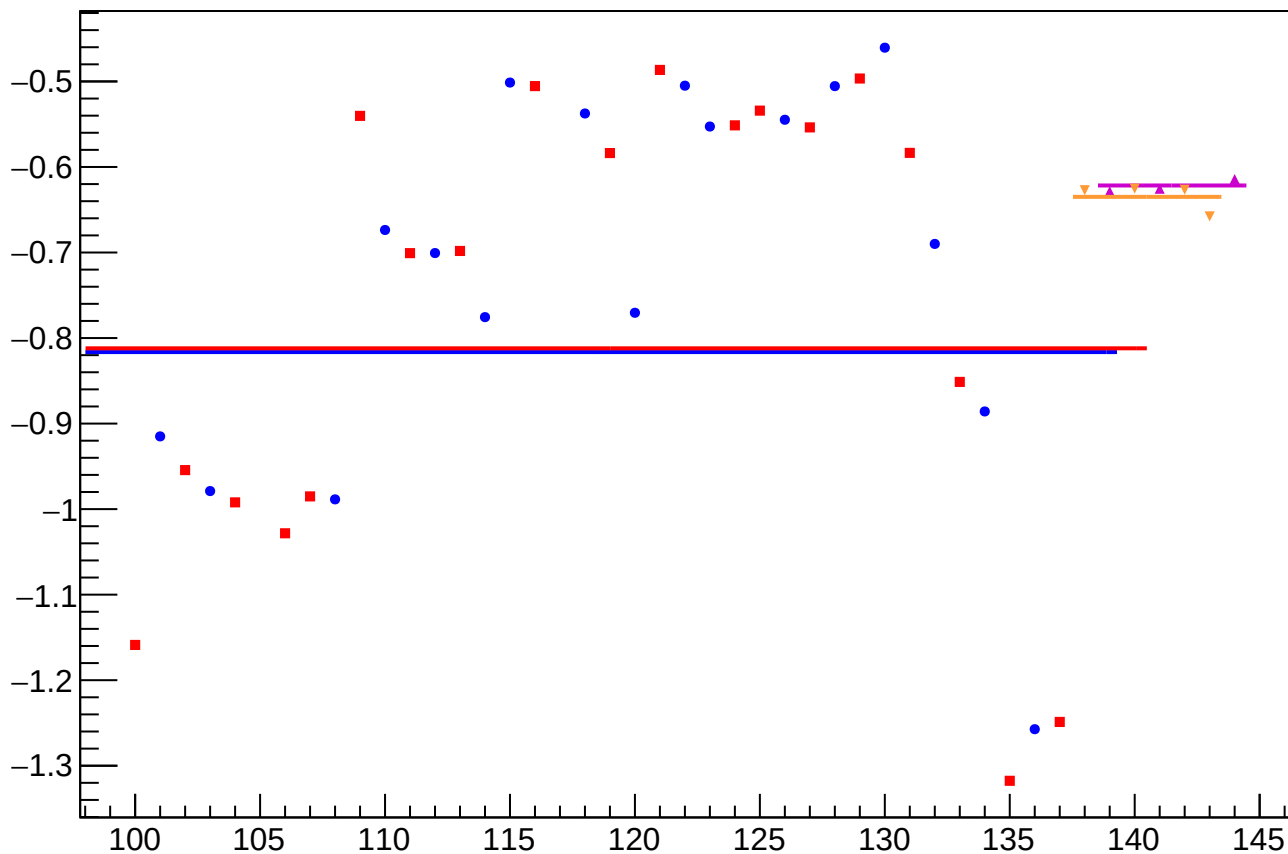
Right: 0.006+/-0.000 χ^2/NDF : 998013.7/35

In: 0.005+/-0.000 χ^2/NDF :1359879.9/19

Out: 0.005+/-0.000 χ^2/NDF :1128387.0/22

All: 0.005+/-0.000 χ^2/NDF : 2490327.2/42

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.816+/-0.000 χ^2/NDF : 14108272810.0/16

Left Out: -0.635+/-0.000 χ^2/NDF : 17201290.1/3

Right Out: -0.812+/-0.000 χ^2/NDF : 16809508448.8/18

Left In: -0.622+/-0.000 χ^2/NDF : 3110185.0/2

Left: -0.629+/-0.000 χ^2/NDF : 27675470.3/6

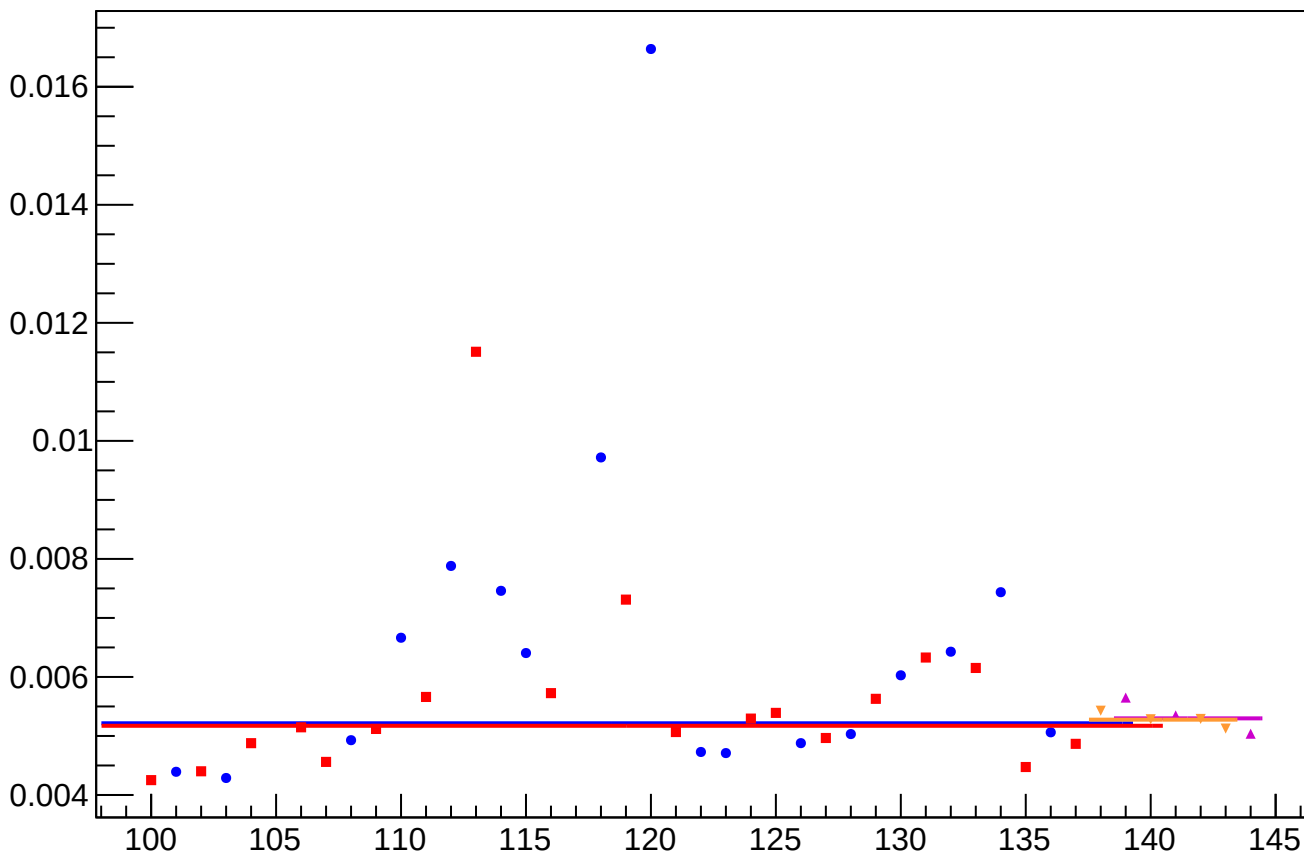
Right: -0.814+/-0.000 χ^2/NDF : 30919803478.2/35

In: -0.760+/-0.000 χ^2/NDF : 16271062075.4/19

Out: -0.762+/-0.000 χ^2/NDF : 18772992050.7/22

All: -0.761+/-0.000 χ^2/NDF : 35045020178.1/41

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 :2077.1/3

Right Out: 0.005+/-0.000 χ^2/NDF : 359707.6/18

Left In: 0.005+/-0.000 χ^2/NDF :9335.6/2

Left: 0.005+/-0.000 χ^2/NDF : 11452.9/6

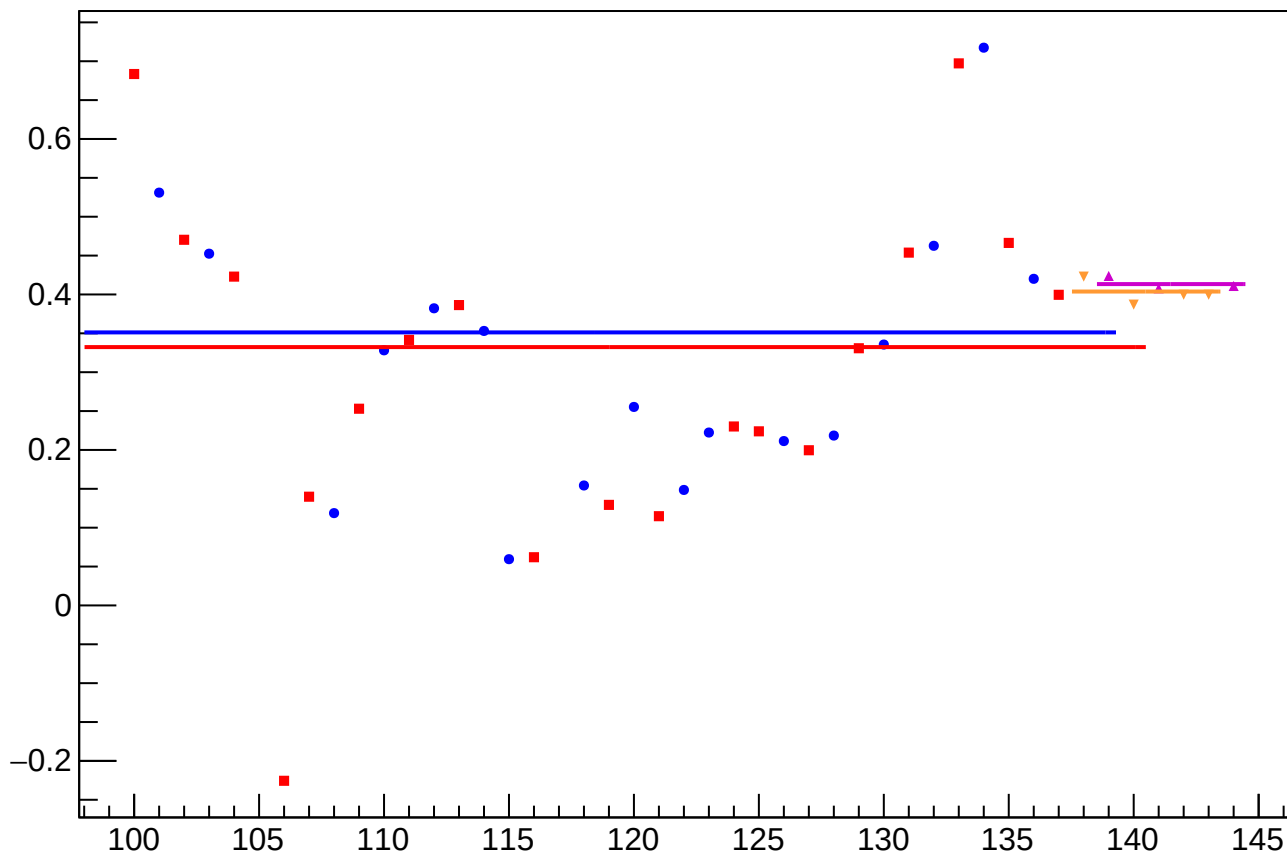
Right: 0.005+/-0.000 χ^2/NDF : 1022911.9/35

In: 0.005+/-0.000 χ^2/NDF :672959.7/19

Out: 0.005+/-0.000 χ^2/NDF :363119.8/22

All: 0.005+/-0.000 χ^2/NDF : 1036488.0/42

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 :30766322.7/3

Right Out: 0.332+/-0.000 χ^2/NDF : 11783358695.7/18

Left In: 0.413+/-0.000 χ^2/NDF :6334951.8/2

Left: 0.409+/-0.000 χ^2/NDF : 44597618.5/6

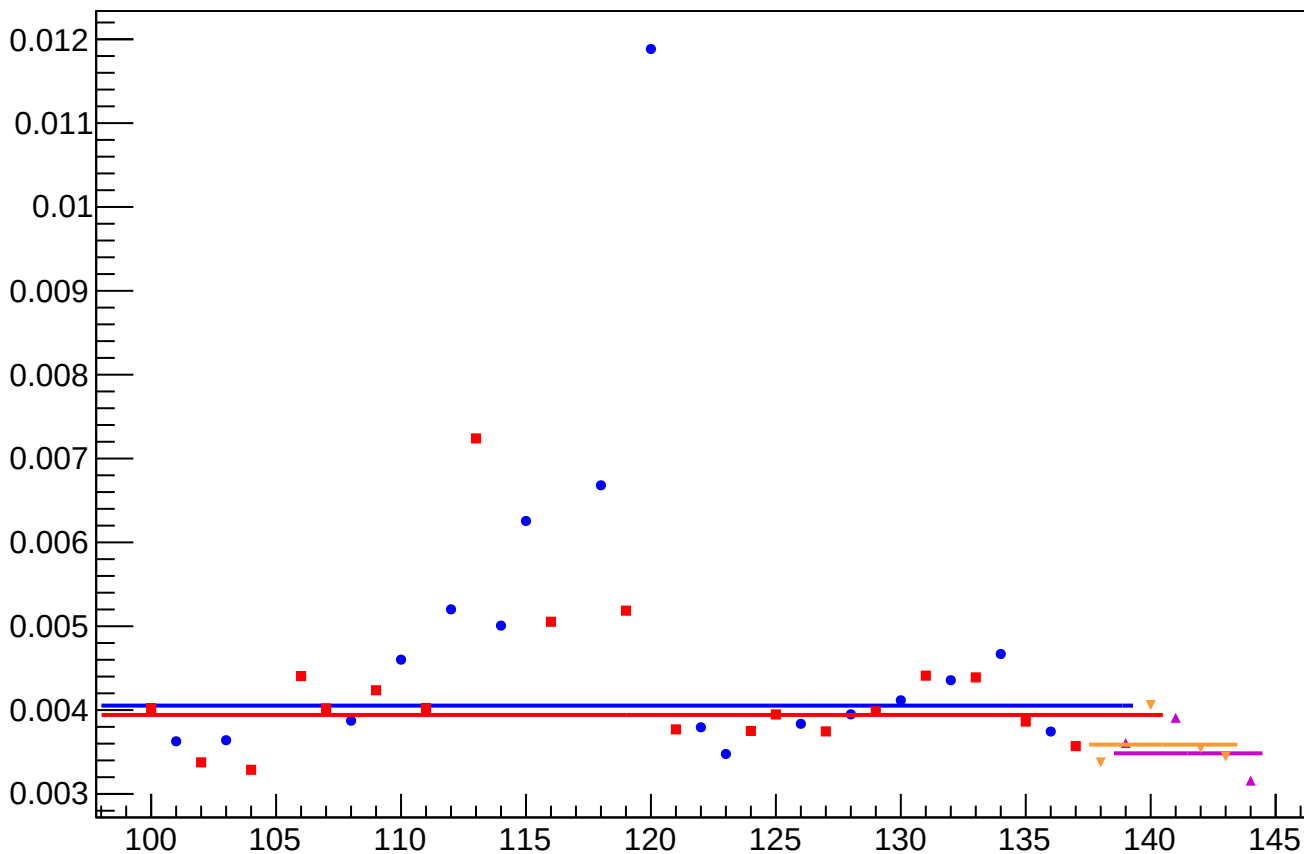
Right: 0.341+/-0.000 χ^2/NDF : 19234190594.7/35

In: 0.371+/-0.000 χ^2/NDF :7819010146.3/19

Out: 0.353+/-0.000 χ^2/NDF :12403911041.6/22

All: 0.362+/-0.000 χ^2/NDF : 20306725845.5/4

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 :23824.5/3

Right Out: 0.004+/-0.000 χ^2/NDF : 259219.7/18

Left In: 0.003+/-0.000 χ^2/NDF :33758.7/2

Left: 0.004+/-0.000 χ^2/NDF : 59344.4/6

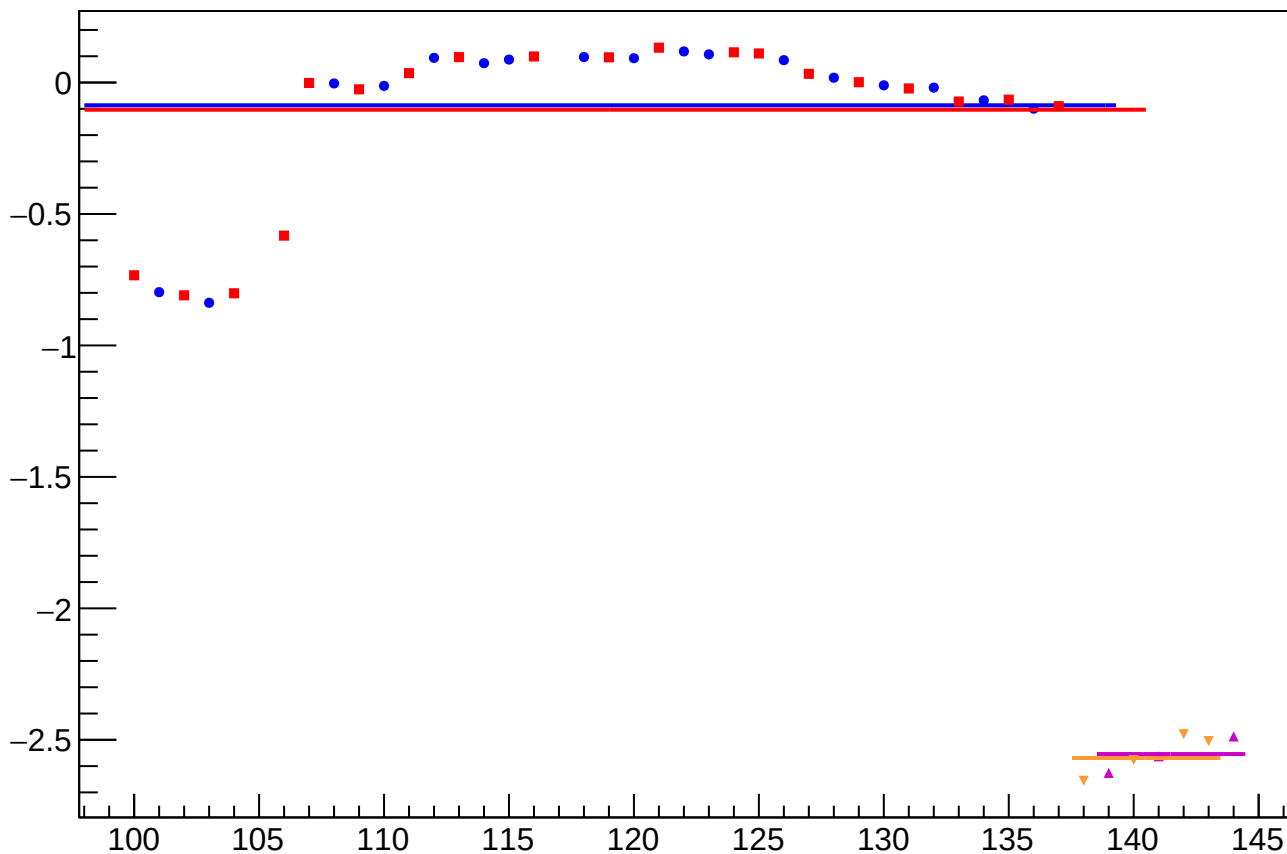
Right: 0.004+/-0.000 χ^2/NDF : 717489.4/35

In: 0.004+/-0.000 χ^2/NDF :559158.6/19

Out: 0.004+/-0.000 χ^2/NDF :311980.8/22

All: 0.004+/-0.000 χ^2/NDF : 871725.1/42

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.086 ± 0.000 $\chi^2/\text{NDF}: 4986216359.8/16$

Left Out: -2.569 ± 0.000 $\chi^2/\text{NDF}: 64012284.6/3$

Right Out: -0.103 ± 0.000 $\chi^2/\text{NDF}: 5547327629.3/18$

Left In: -2.554 ± 0.000 $\chi^2/\text{NDF}: 41248354.0/2$

Left: -2.562 ± 0.000 $\chi^2/\text{NDF}: 106783678.5/6$

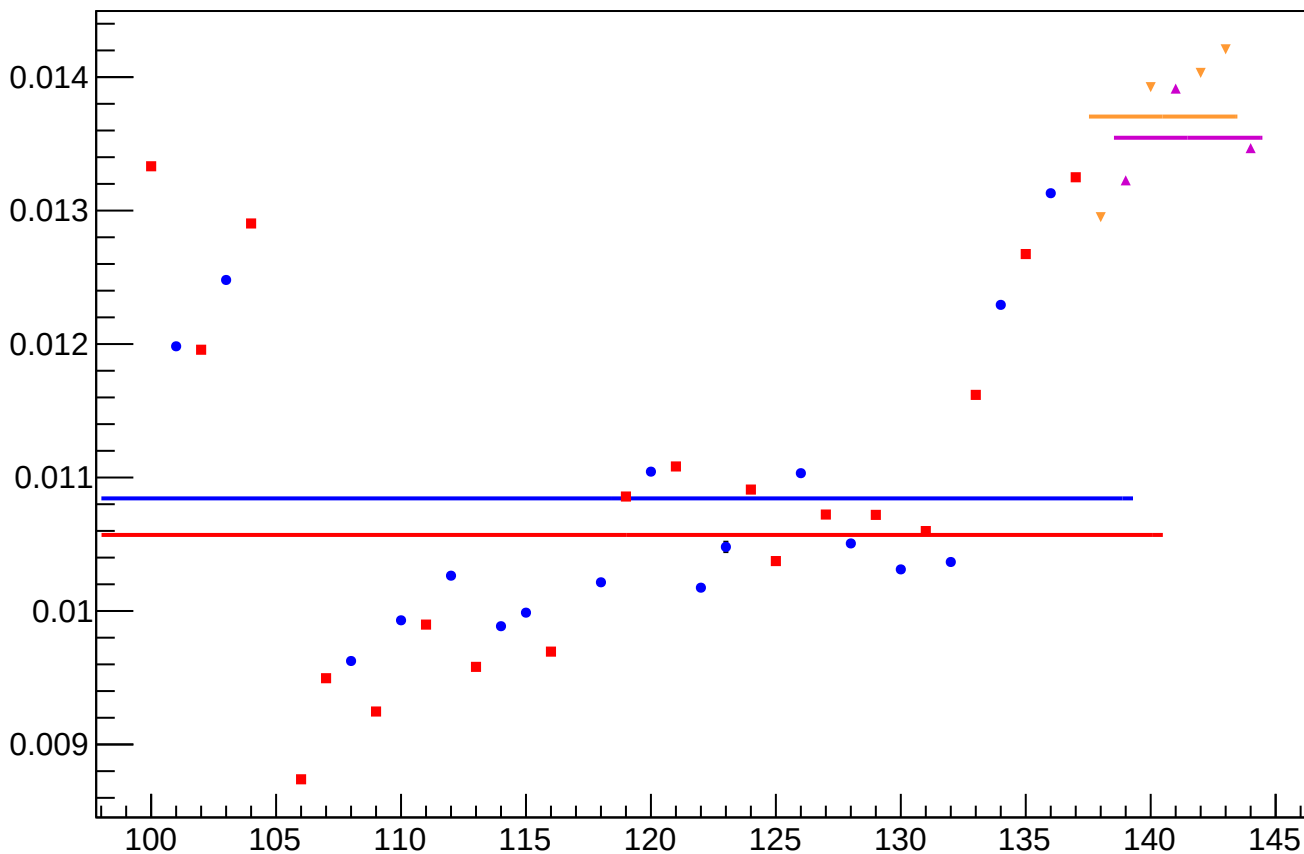
Right: -0.095 ± 0.000 $\chi^2/\text{NDF}: 10541991957.2/35$

In: -0.547 ± 0.000 $\chi^2/\text{NDF}: 69002420513.4/19$

Out: -0.550 ± 0.000 $\chi^2/\text{NDF}: 74513813717.4/22$

All: -0.549 ± 0.000 $\chi^2/\text{NDF}: 143516469975.8$

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 : 7430.0/3

Right Out: 0.011+/-0.000 χ^2/NDF : 178759.8/18

Left In: 0.014+/-0.000 χ^2/NDF : 2025.5/2

Left: 0.014+/-0.000 χ^2/NDF : 9792.6/6

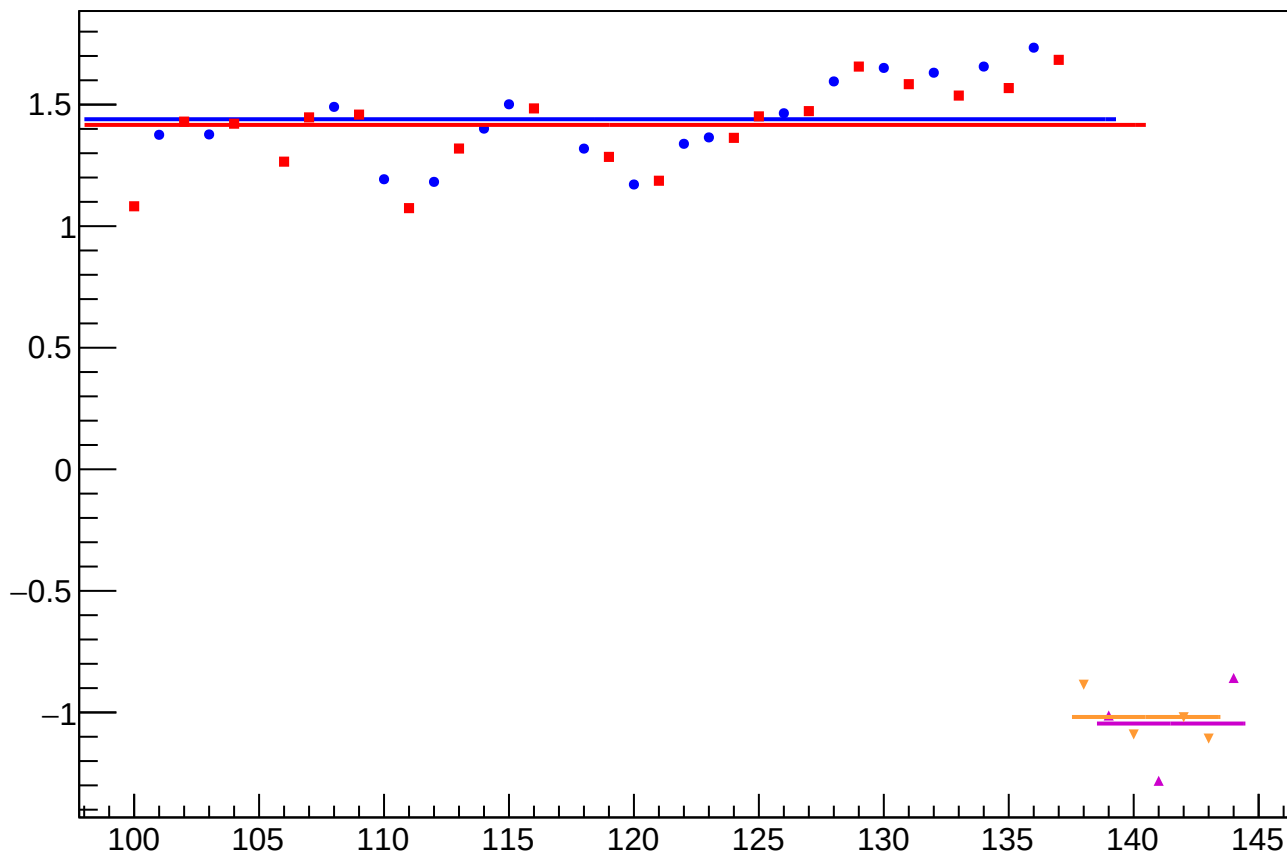
Right: 0.011+/-0.000 χ^2/NDF : 307381.8/35

In: 0.011+/-0.000 χ^2/NDF : 279612.0/19

Out: 0.011+/-0.000 χ^2/NDF : 408881.2/22

All: 0.011+/-0.000 χ^2/NDF : 691720.8/42

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.440+/-0.000 χ^2/NDF : 3439698839.5/16

Left Out: -1.019+/-0.000 χ^2/NDF : 217693229.5/3

Right Out: 1.416+/-0.000 χ^2/NDF : 2670163204.9/18

Left In: -1.046+/-0.000 χ^2/NDF : 661331926.7/2

Left: -1.031+/-0.000 χ^2/NDF : 887309741.7/6

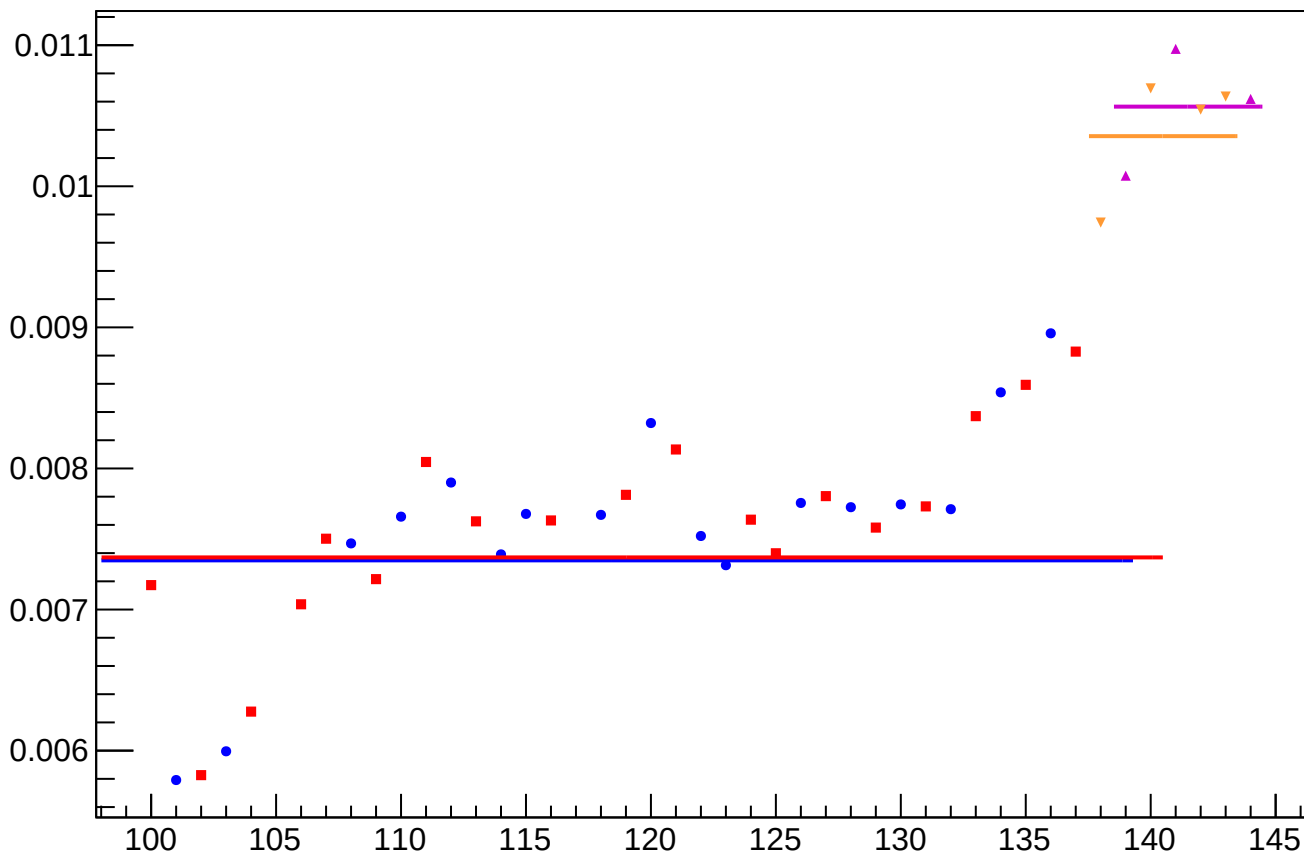
Right: 1.428+/-0.000 χ^2/NDF : 6143895707.9/35

In: 1.070+/-0.000 χ^2/NDF : 115934049371.3/19

Out: 1.029+/-0.000 χ^2/NDF : 124369686252.7/22

All: 1.049+/-0.000 χ^2/NDF : 240425542488.1

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 :8568.7/3

Right Out: 0.007+/-0.000 χ^2/NDF : 172418.5/18

Left In: 0.011+/-0.000 χ^2/NDF :5593.0/2

Left: 0.010+/-0.000 χ^2/NDF : 15156.2/6

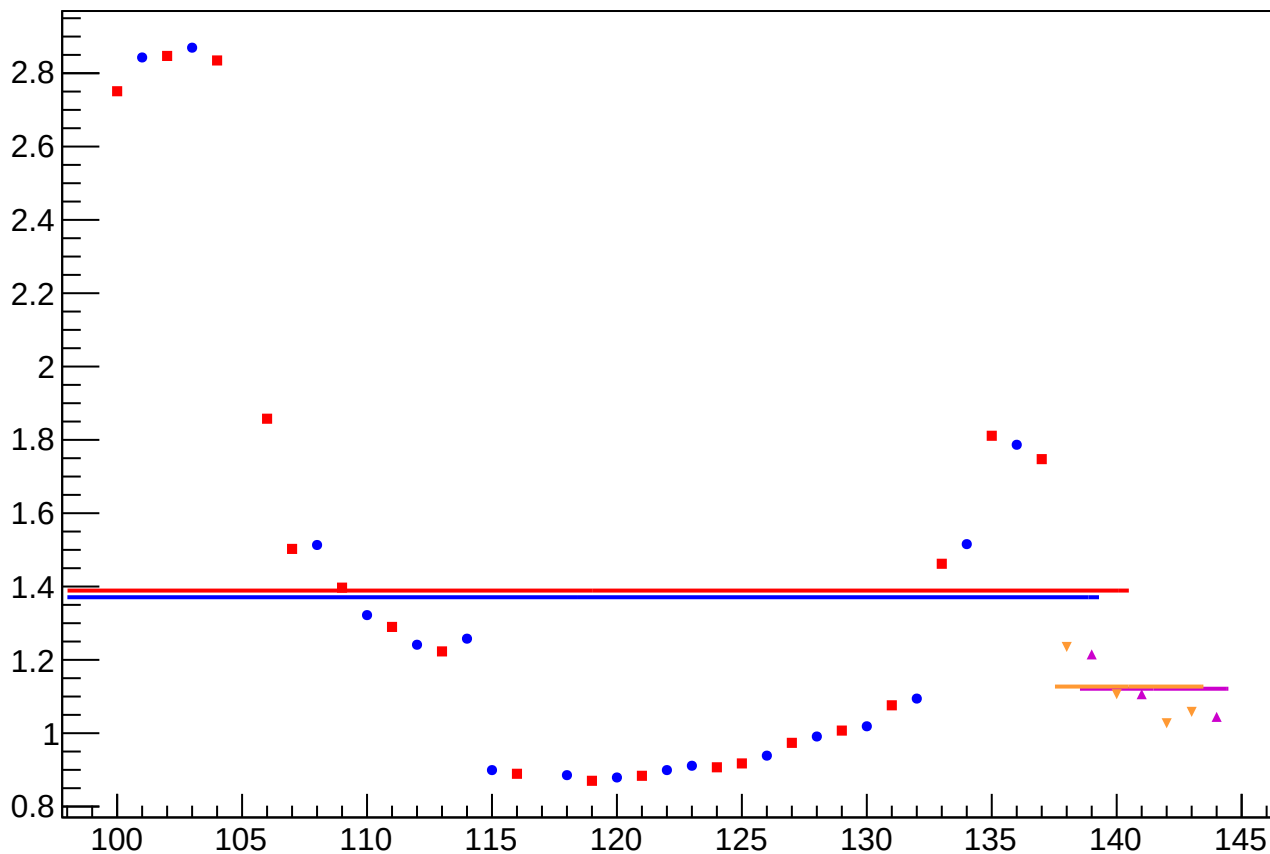
Right: 0.007+/-0.000 χ^2/NDF : 401140.2/35

In: 0.008+/-0.000 χ^2/NDF :608704.2/19

Out: 0.008+/-0.000 χ^2/NDF :546242.4/22

All: 0.008+/-0.000 χ^2/NDF : 1154989.3/42

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.371+/-0.000 χ^2/NDF : 54119122912.8/16

Left Out: 1.127+/-0.000 χ^2/NDF : 258505951.3/3

Right Out: 1.389+/-0.000 χ^2/NDF : 49832414351.9/18

Left In: 1.121+/-0.000 χ^2/NDF : 175396480.0/2

Left: 1.124+/-0.000 χ^2/NDF : 434549713.5/6

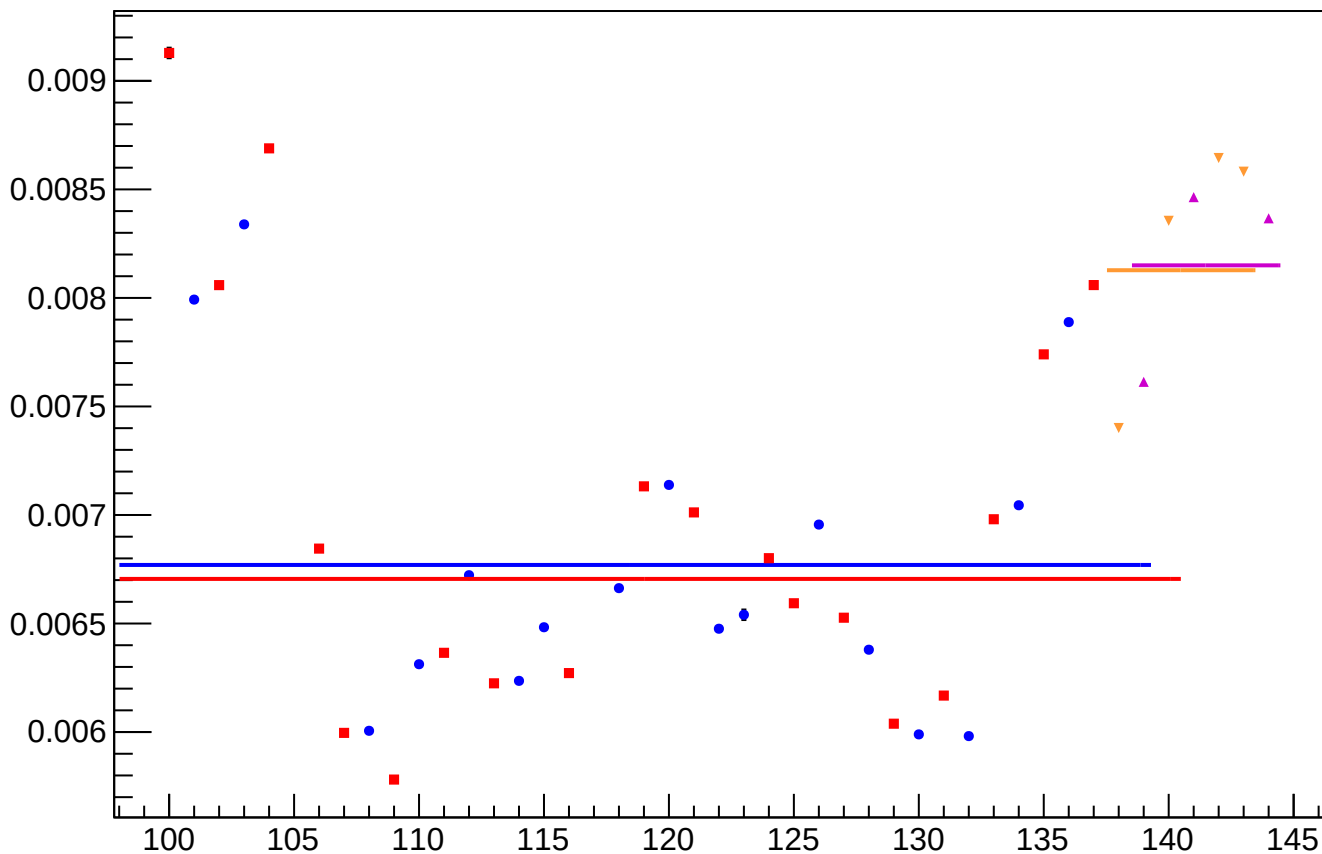
Right: 1.380+/-0.000 χ^2/NDF : 103976218990.2/35

In: 1.322+/-0.000 χ^2/NDF : 56059131938.3/19

Out: 1.336+/-0.000 χ^2/NDF : 52235161377.3/22

All: 1.329+/-0.000 χ^2/NDF : 108314124112.5

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:21849.2/3

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 189225.3/18

Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:10143.8/2

Left: 0.008 $\pm$ 0.000 χ^2 /NDF: 32011.8/6

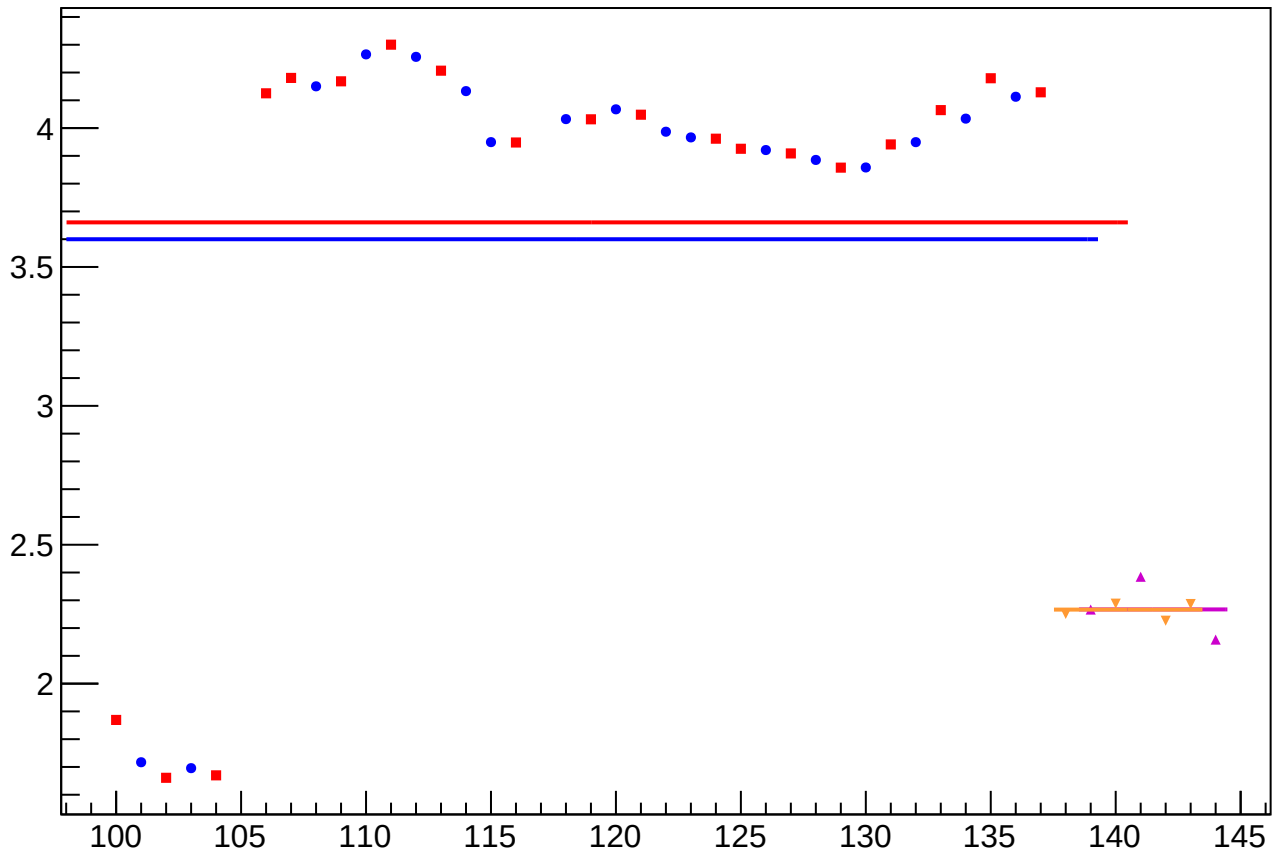
Right: 0.007 $\pm$ 0.000 χ^2 /NDF: 348586.5/35

In: 0.007 $\pm$ 0.000 χ^2 /NDF:276870.1/19

Out: 0.007 $\pm$ 0.000 χ^2 /NDF:337610.0/22

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 614940.4/42

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.600+/-0.000 χ^2/NDF : 185703271625.0/16

Left Out: 2.267+/-0.000 χ^2/NDF : 28056019.3/3

Right Out: 3.661+/-0.000 χ^2/NDF : 192461584002.7/18

Left In: 2.267+/-0.000 χ^2/NDF : 386976149.0/2

Left: 2.267+/-0.000 χ^2/NDF : 415041728.4/6

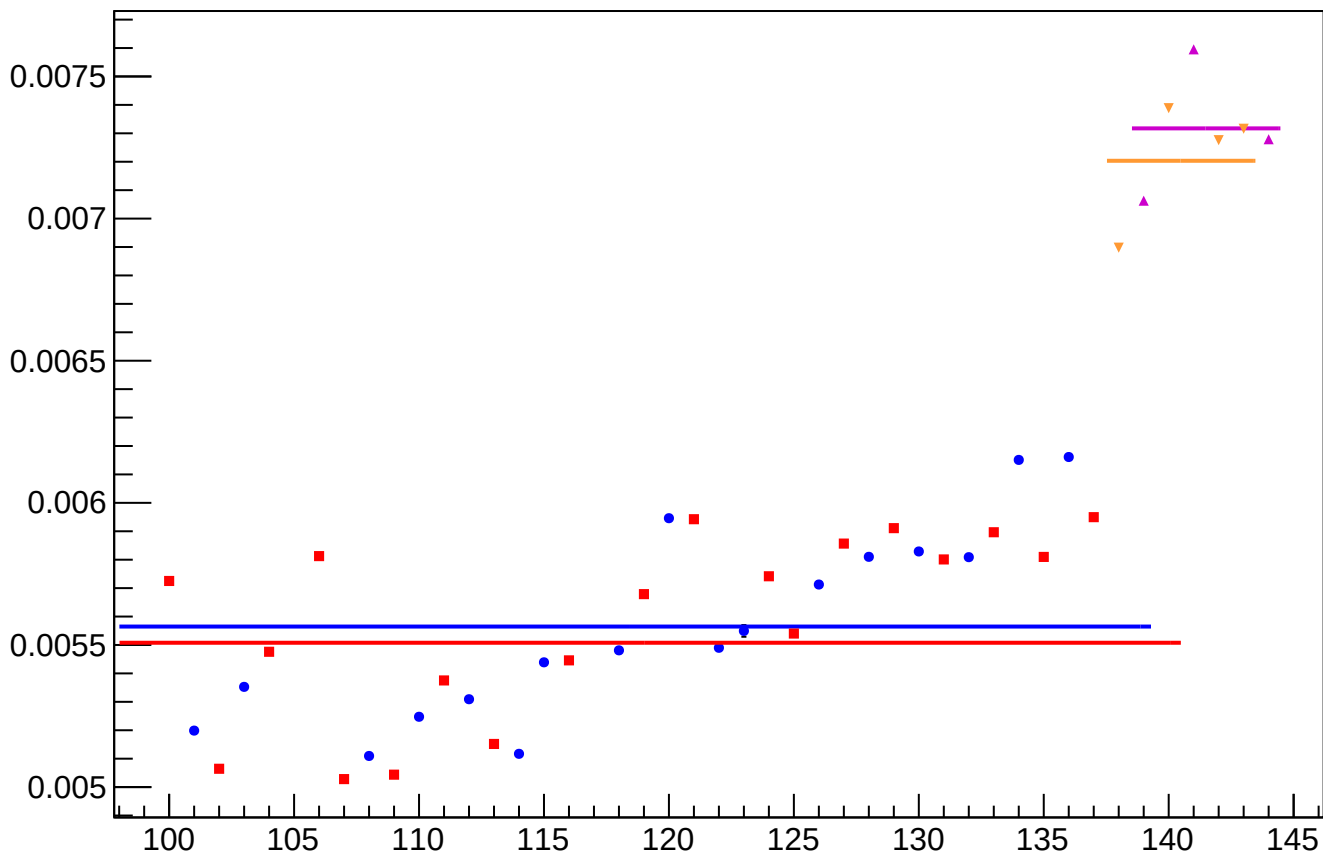
Right: 3.631+/-0.000 χ^2/NDF : 378573403824.4/35

In: 3.374+/-0.000 χ^2/NDF : 250779406165.3/19

Out: 3.410+/-0.000 χ^2/NDF : 272193492856.9/22

All: 3.393+/-0.000 χ^2/NDF : 523148776979.4

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.006 $\pm$ 0.000 χ^2/NDF : 48084.6/16

Left Out: 0.007 $\pm$ 0.000 χ^2/NDF :4230.1/3

Right Out: 0.006 $\pm$ 0.000 χ^2/NDF : 52399.9/18

Left In: 0.007 $\pm$ 0.000 χ^2/NDF :4055.0/2

Left: 0.007 $\pm$ 0.000 χ^2/NDF : 8892.2/6

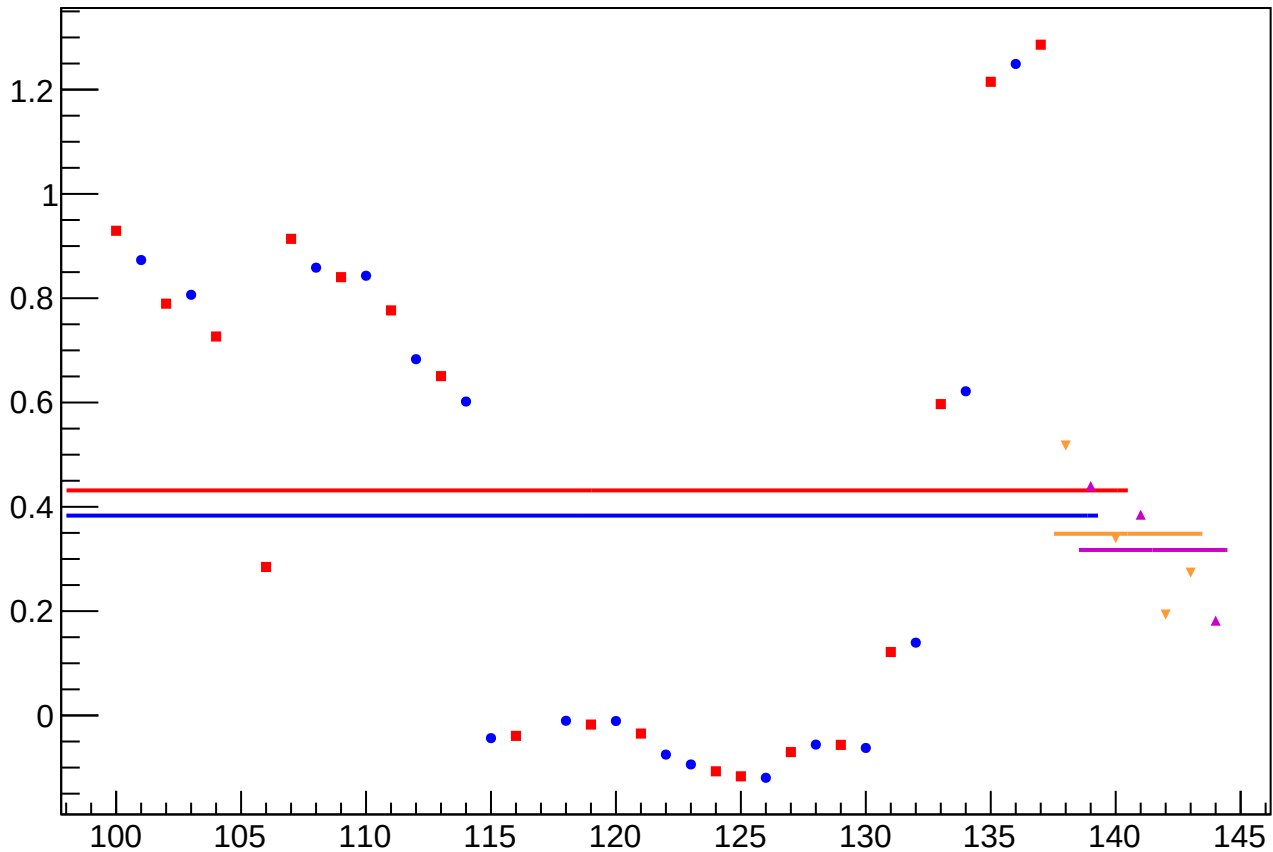
Right: 0.006 $\pm$ 0.000 χ^2/NDF : 101204.4/35

In: 0.006 $\pm$ 0.000 χ^2/NDF :275887.3/19

Out: 0.006 $\pm$ 0.000 χ^2/NDF :292455.3/22

All: 0.006 $\pm$ 0.000 χ^2/NDF : 568999.2/42

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.383 $\pm$ 0.000 χ^2/NDF : 7098148199.8/16

Left Out: 0.348 $\pm$ 0.000 χ^2/NDF : 140732784.0/3

Right Out: 0.431 $\pm$ 0.000 χ^2/NDF : 6652460982.8/18

Left In: 0.317 $\pm$ 0.000 χ^2/NDF : 127489515.8/2

Left: 0.333 $\pm$ 0.000 χ^2/NDF : 273029306.5/6

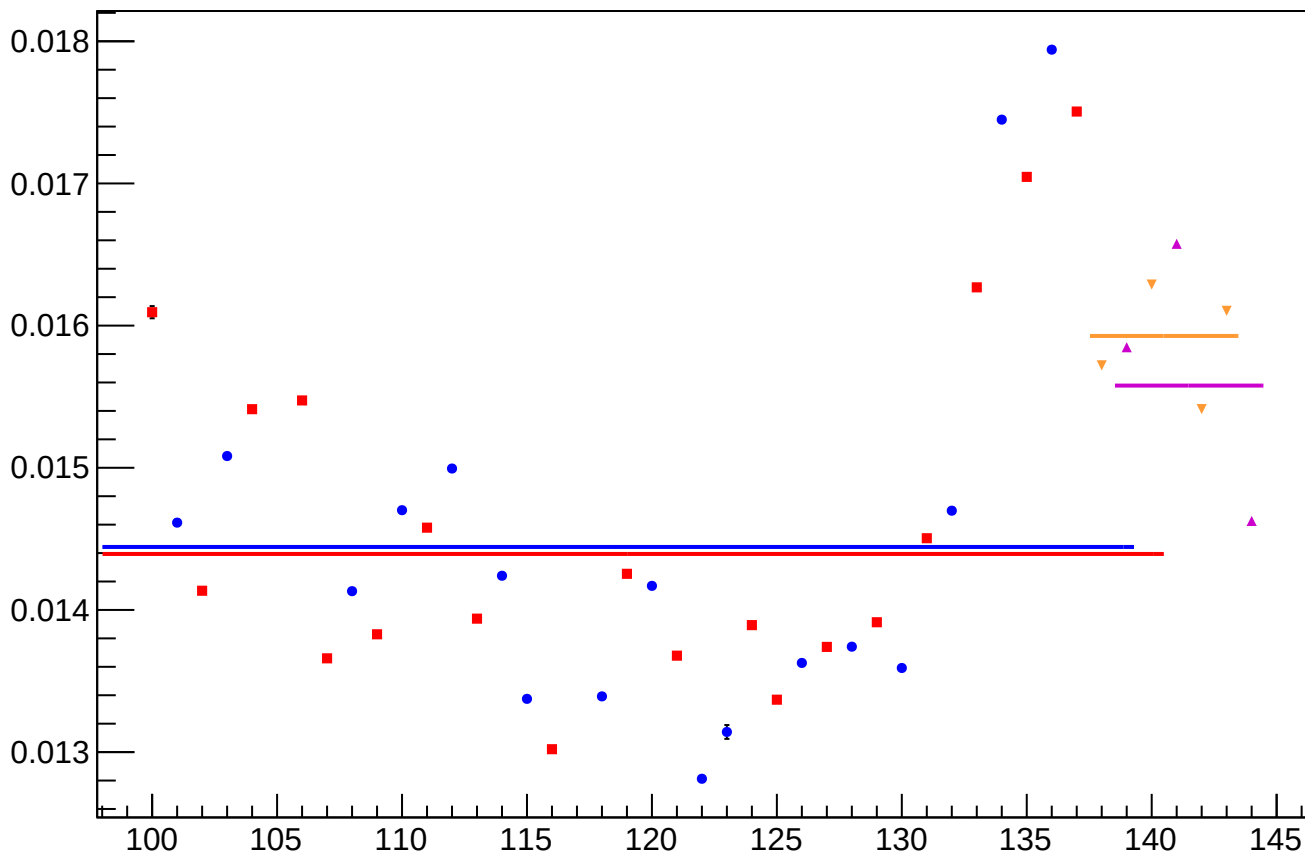
Right: 0.408 $\pm$ 0.000 χ^2/NDF : 13788539120.9/35

In: 0.368 $\pm$ 0.000 χ^2/NDF : 7257917938.2/19

Out: 0.412 $\pm$ 0.000 χ^2/NDF : 6847303734.4/22

All: 0.390 $\pm$ 0.000 χ^2/NDF : 14146921850.0/4

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 109417.4/16

Left Out: 0.016+/-0.000 χ^2/NDF : 2134.0/3

Right Out: 0.014+/-0.000 χ^2/NDF : 74186.8/18

Left In: 0.016+/-0.000 χ^2/NDF : 13672.2/2

Left: 0.016+/-0.000 χ^2/NDF : 17021.1/6

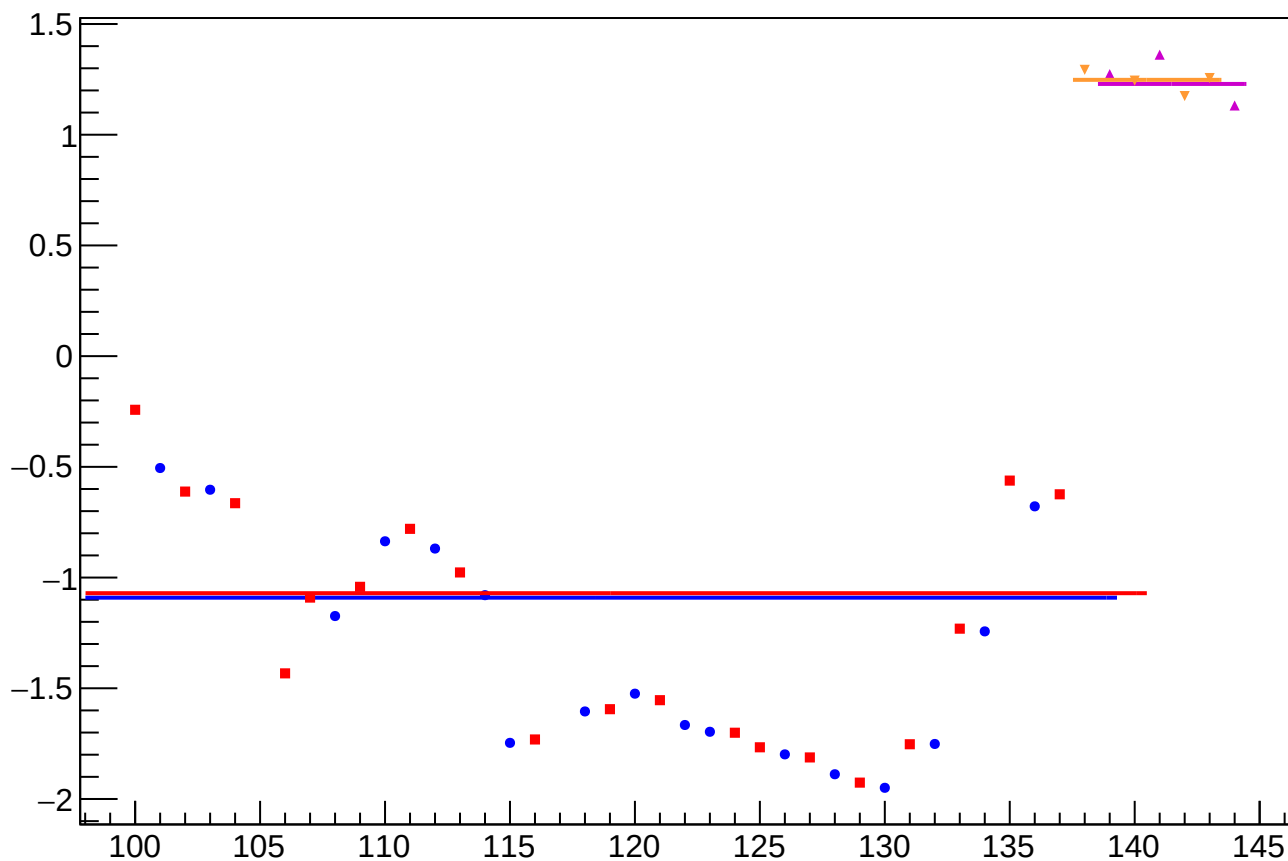
Right: 0.014+/-0.000 χ^2/NDF : 183683.0/35

In: 0.015+/-0.000 χ^2/NDF : 142255.0/19

Out: 0.015+/-0.000 χ^2/NDF : 113141.1/22

All: 0.015+/-0.000 χ^2/NDF : 255475.9/42

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.091+/-0.000 χ^2/NDF : 55542430282.4/16

Left Out: 1.248+/-0.000 χ^2/NDF : 265777387.7/3

Right Out: -1.071+/-0.000 χ^2/NDF : 46725373904.4/18

Left In: 1.229+/-0.000 χ^2/NDF : 1431814862.9/2

Left: 1.239+/-0.000 χ^2/NDF : 1724605218.5/6

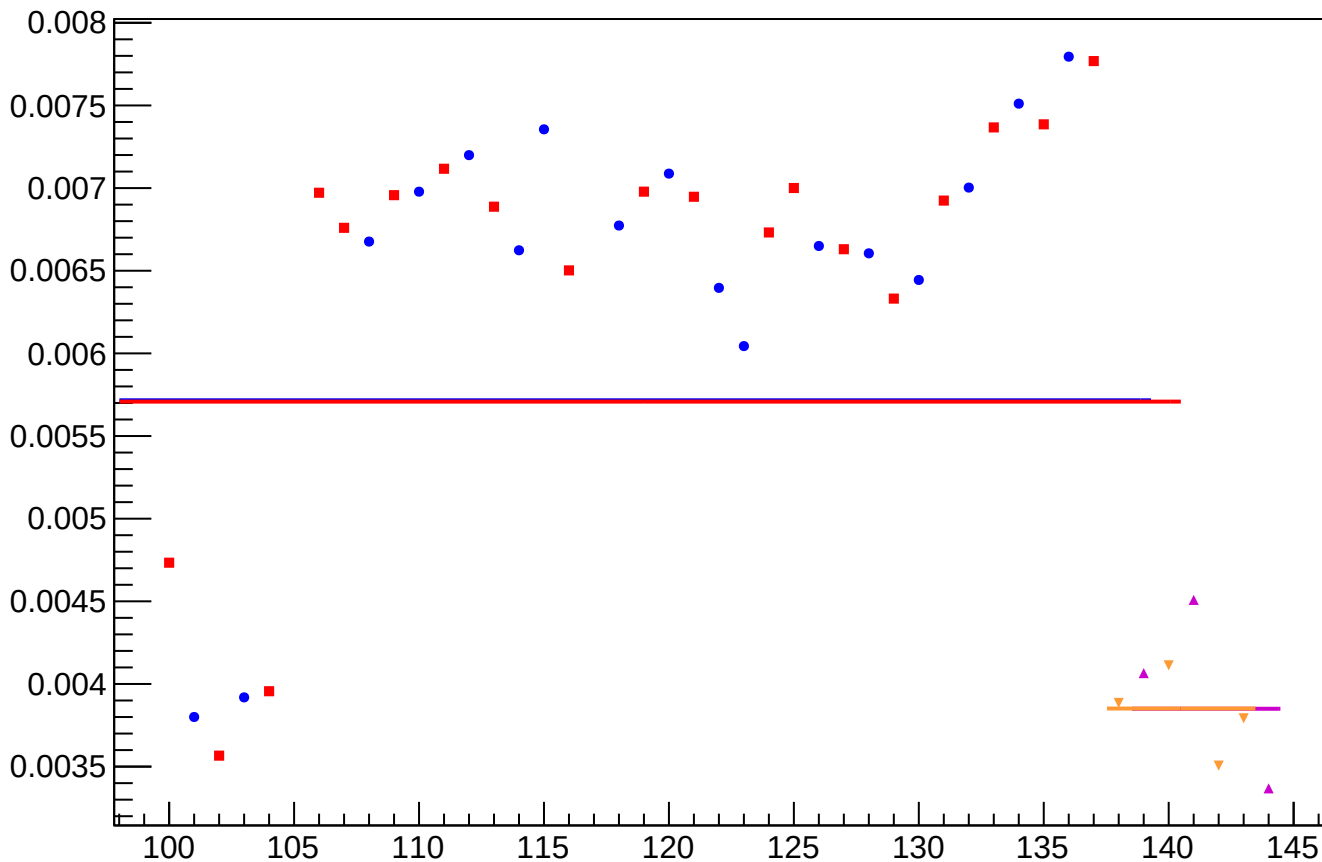
Right: -1.080+/-0.000 χ^2/NDF : 102305472219.1/35

In: -0.042+/-0.000 χ^2/NDF : 497379467905.0/19

Out: 0.019+/-0.000 χ^2/NDF : 522923516511.6/22

All: -0.010+/-0.000 χ^2/NDF : 1020924668243

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 :14068.3/3

Right Out: 0.006+/-0.000 χ^2/NDF : 921337.6/18

Left In: 0.004+/-0.000 χ^2/NDF :70488.5/2

Left: 0.004+/-0.000 χ^2/NDF : 84557.1/6

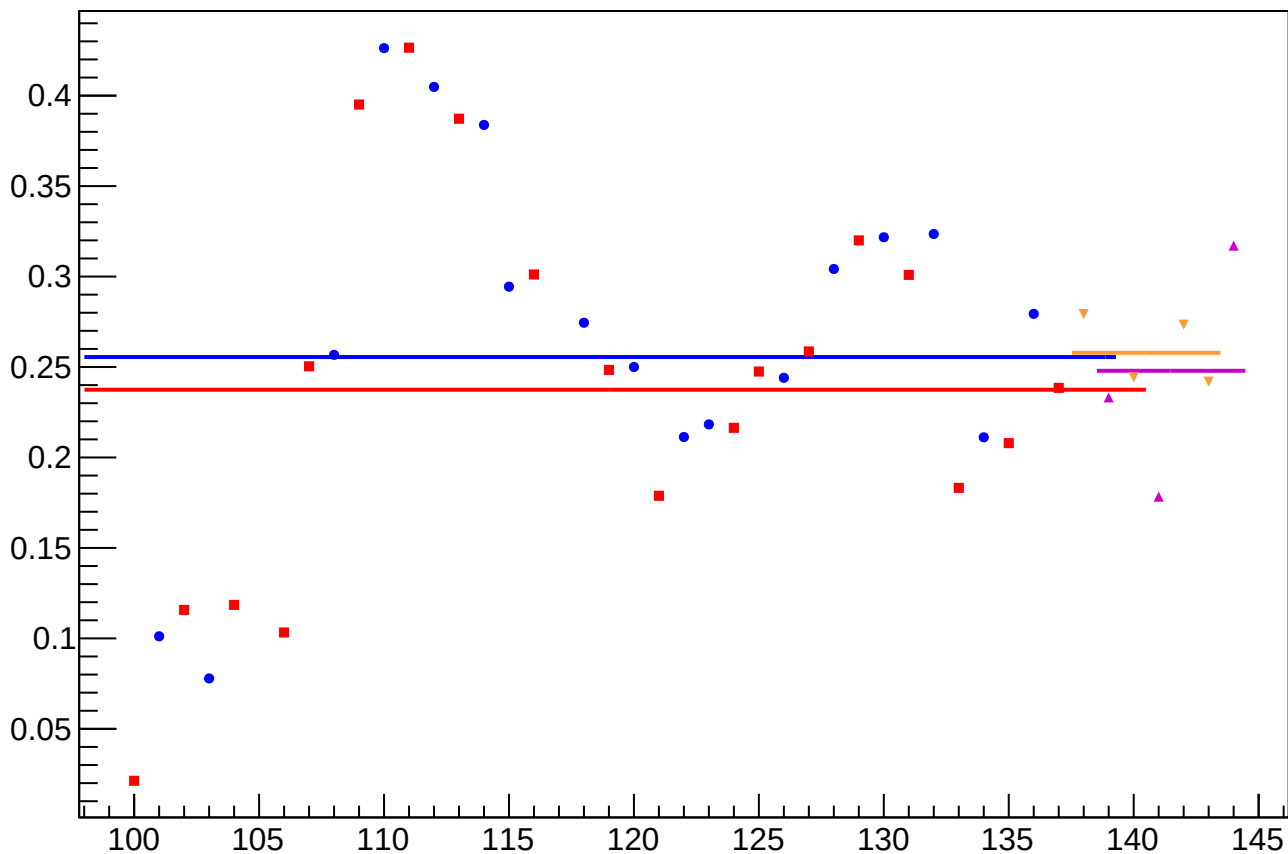
Right: 0.006+/-0.000 χ^2/NDF : 1759279.4/35

In: 0.005+/-0.000 χ^2/NDF :1478312.5/19

Out: 0.005+/-0.000 χ^2/NDF :1545956.9/22

All: 0.005+/-0.000 χ^2/NDF : 3024724.1/42

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.256 $\pm$ 0.000 χ^2 /NDF: 21303879000.5/16

Left Out: 0.258 $\pm$ 0.000 χ^2 /NDF: 278988915.0/3

Right Out: 0.237 $\pm$ 0.000 χ^2 /NDF: 26048163947.8/18

Left In: 0.248 $\pm$ 0.000 χ^2 /NDF: 3240989124.4/2

Left: 0.253 $\pm$ 0.000 χ^2 /NDF: 3566404976.5/6

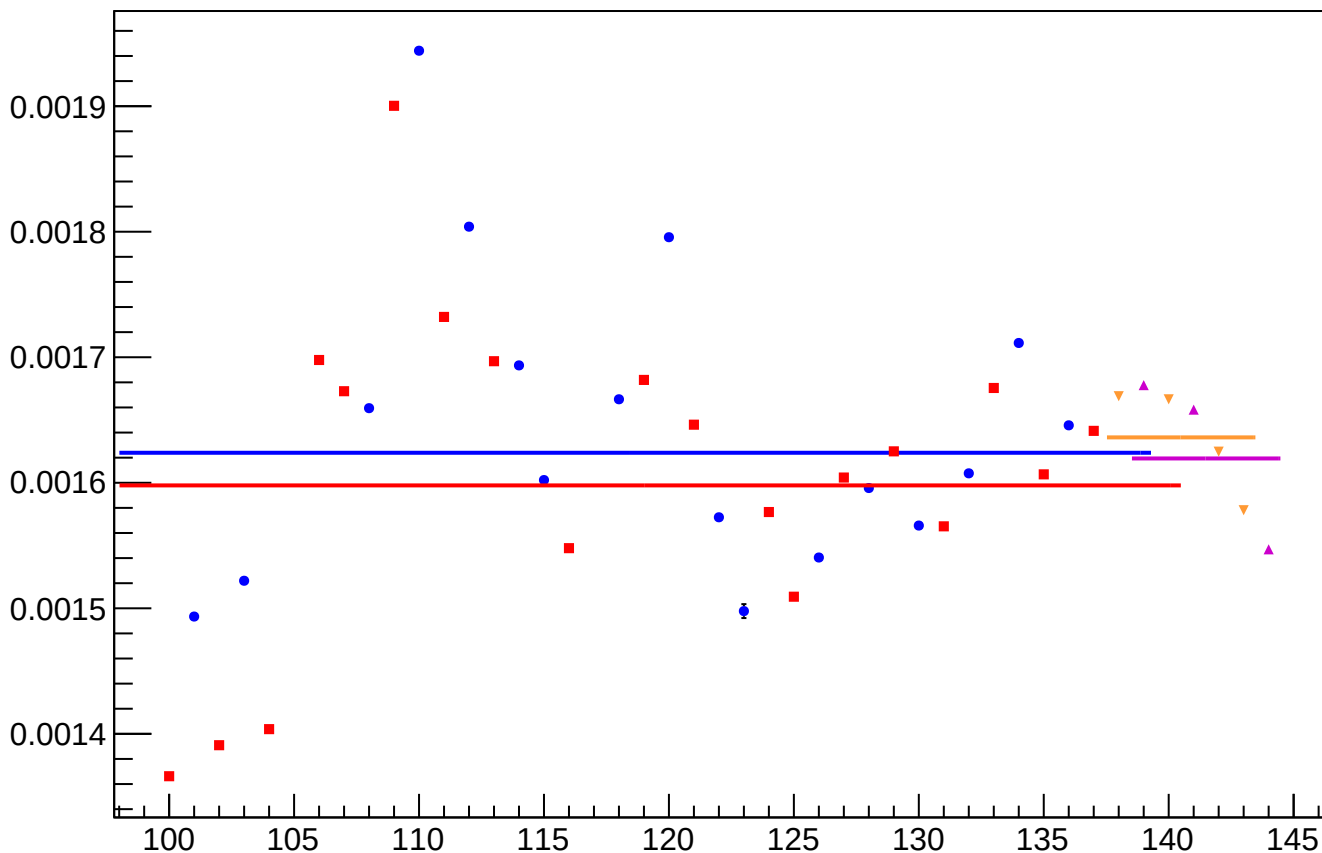
Right: 0.246 $\pm$ 0.000 χ^2 /NDF: 47770756724.0/35

In: 0.253 $\pm$ 0.000 χ^2 /NDF: 24582888633.8/19

Out: 0.243 $\pm$ 0.000 χ^2 /NDF: 26625908462.5/22

All: 0.248 $\pm$ 0.000 χ^2 /NDF: 51406283486.2/4

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 : 2915.1/3

Right Out: 0.002+/-0.000 χ^2/NDF : 90592.9/18

Left In: 0.002+/-0.000 χ^2/NDF : 6311.9/2

Left: 0.002+/-0.000 χ^2/NDF : 9491.0/6

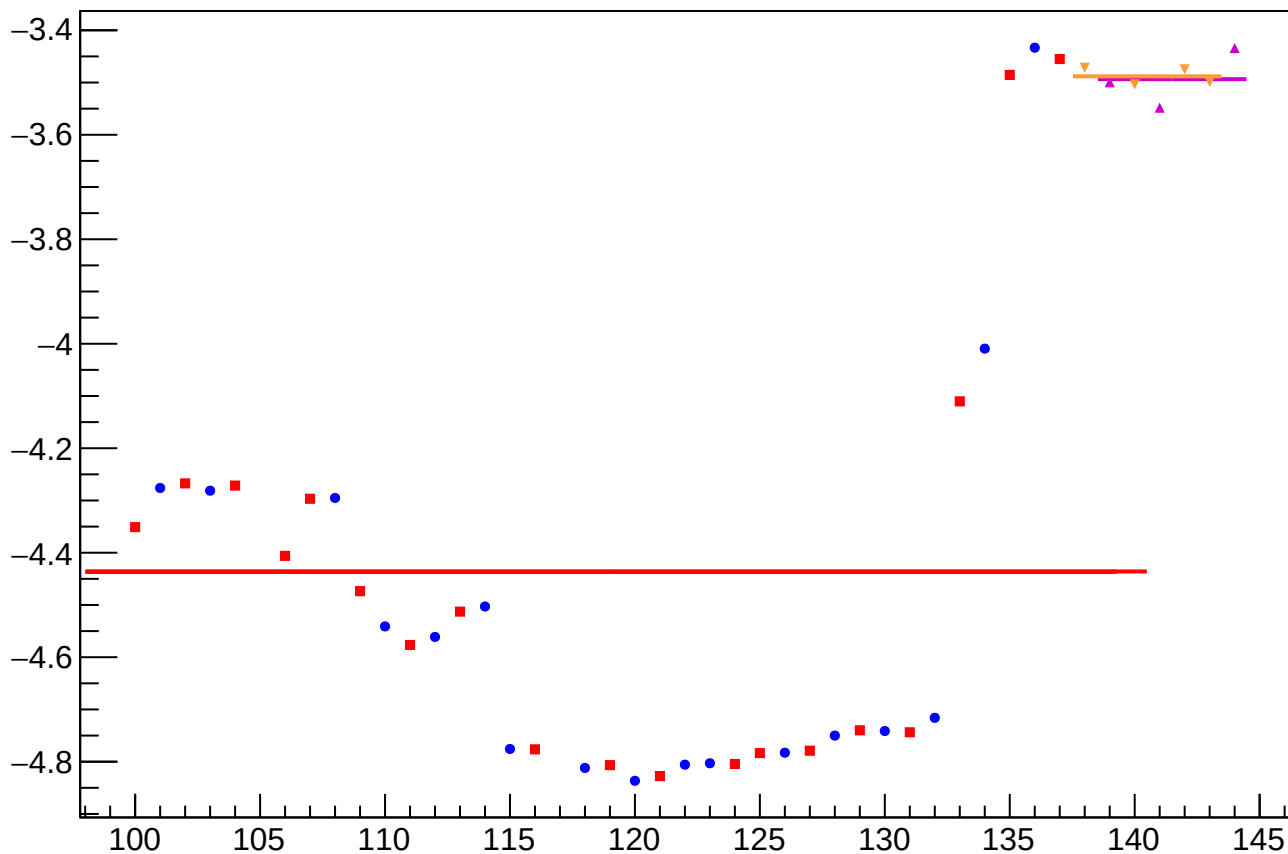
Right: 0.002+/-0.000 χ^2/NDF : 144677.8/35

In: 0.002+/-0.000 χ^2/NDF : 58688.3/19

Out: 0.002+/-0.000 χ^2/NDF : 95605.1/22

All: 0.002+/-0.000 χ^2/NDF : 155048.4/42

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.436+/-0.000 χ^2/NDF : 392479534987.2/16

Left Out: -3.488+/-0.000 χ^2/NDF : 155640663.6/3

Right Out: -4.436+/-0.000 χ^2/NDF : 324942318404.0/18

Left In: -3.494+/-0.000 χ^2/NDF : 1594659968.7/2

Left: -3.491+/-0.000 χ^2/NDF : 1760785877.0/6

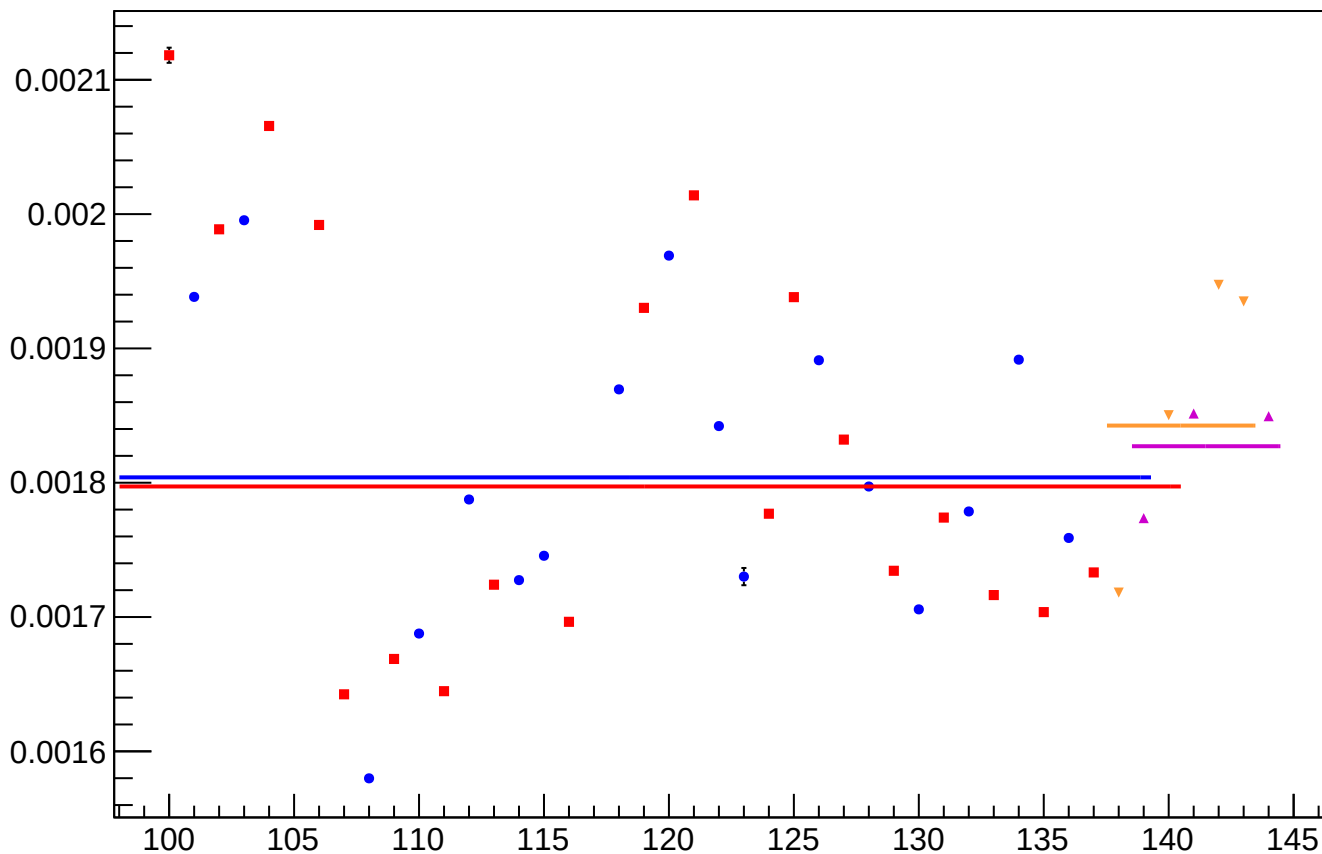
Right: -4.436+/-0.000 χ^2/NDF : 717422111284.2/35

In: -4.192+/-0.000 χ^2/NDF : 853089986593.8/19

Out: -4.191+/-0.000 χ^2/NDF : 817385620827.3/22

All: -4.192+/-0.000 χ^2/NDF : 1670477015376

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 :12588.9/3

Right Out: 0.002+/-0.000 χ^2/NDF : 80681.9/18

Left In: 0.002+/-0.000 χ^2/NDF :1743.5/2

Left: 0.002+/-0.000 χ^2/NDF : 14502.0/6

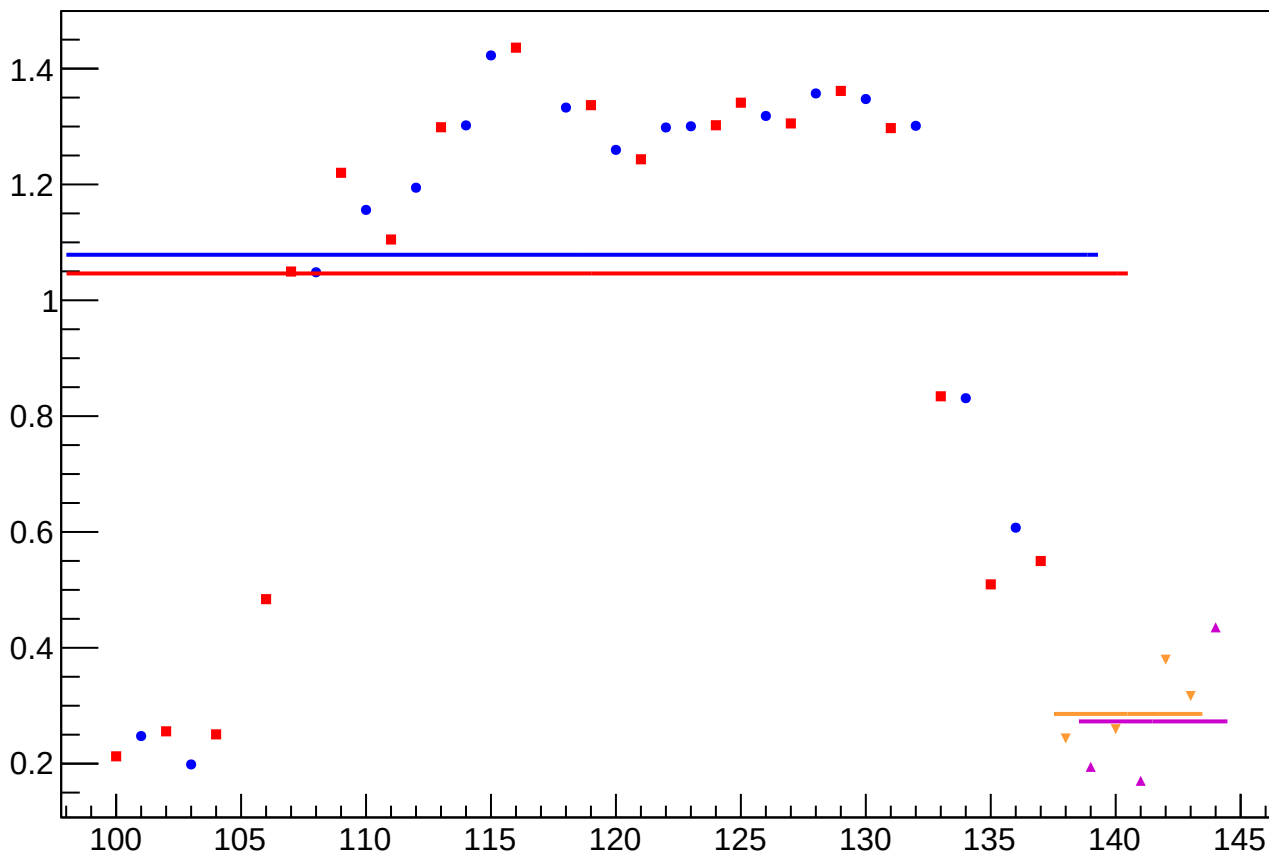
Right: 0.002+/-0.000 χ^2/NDF : 128836.7/35

In: 0.002+/-0.000 χ^2/NDF :50358.6/19

Out: 0.002+/-0.000 χ^2/NDF :95524.8/22

All: 0.002+/-0.000 χ^2/NDF : 145886.6/42

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 1.079+/-0.000 χ^2/NDF : 17504335724.9/16

Left Out: 0.286+/-0.000 χ^2/NDF : 60437979.3/3

Right Out: 1.046+/-0.000 χ^2/NDF : 19655971884.7/18

Left In: 0.273+/-0.000 χ^2/NDF : 358769826.3/2

Left: 0.280+/-0.000 χ^2/NDF : 421286127.3/6

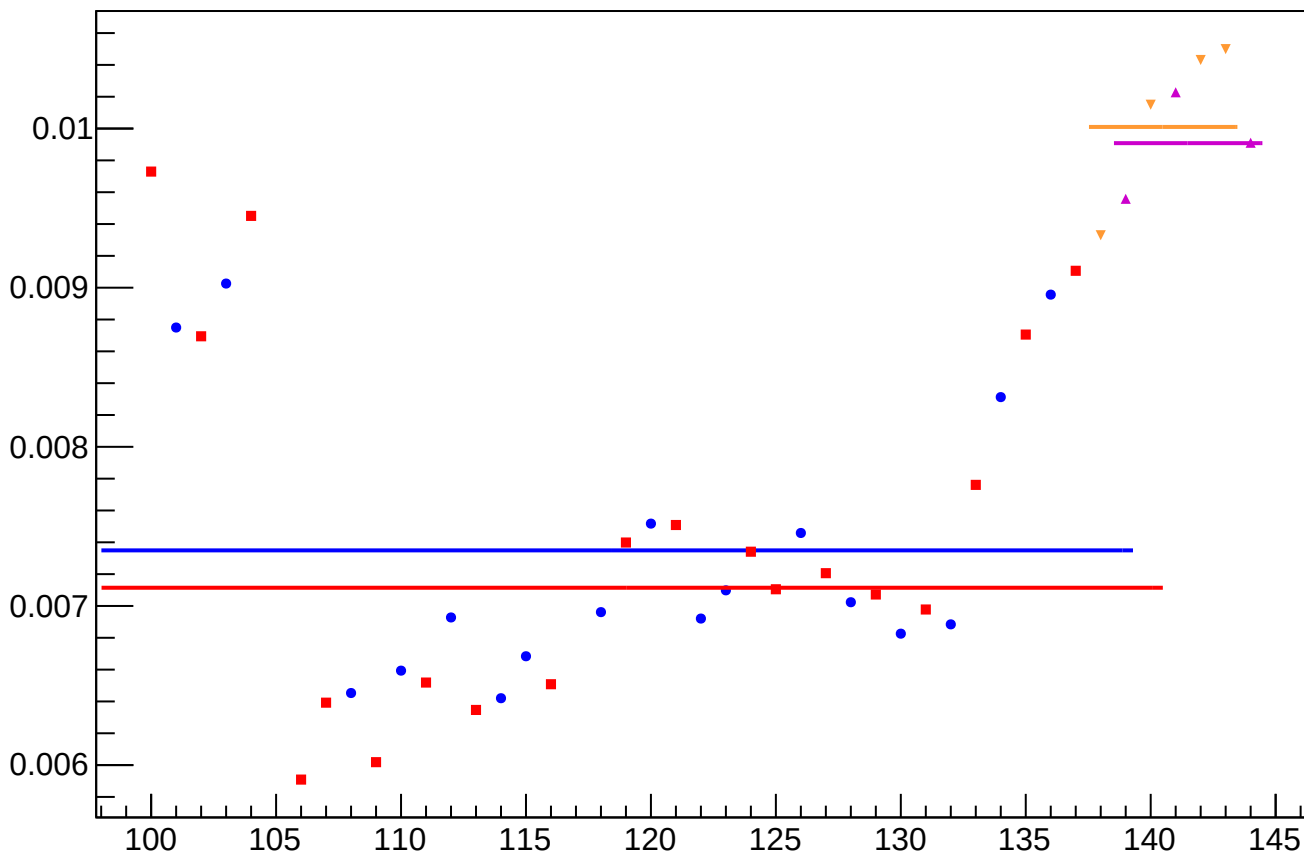
Right: 1.062+/-0.000 χ^2/NDF : 37227658553.8/35

In: 0.945+/-0.000 χ^2/NDF : 30938865138.3/19

Out: 0.926+/-0.000 χ^2/NDF : 32323869019.2/22

All: 0.935+/-0.000 χ^2/NDF : 63292992228.3/4

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 180865.9/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:12261.5/3

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 259361.2/18

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:3459.3/2

Left: 0.010 $\pm$ 0.000 χ^2 /NDF: 15980.3/6

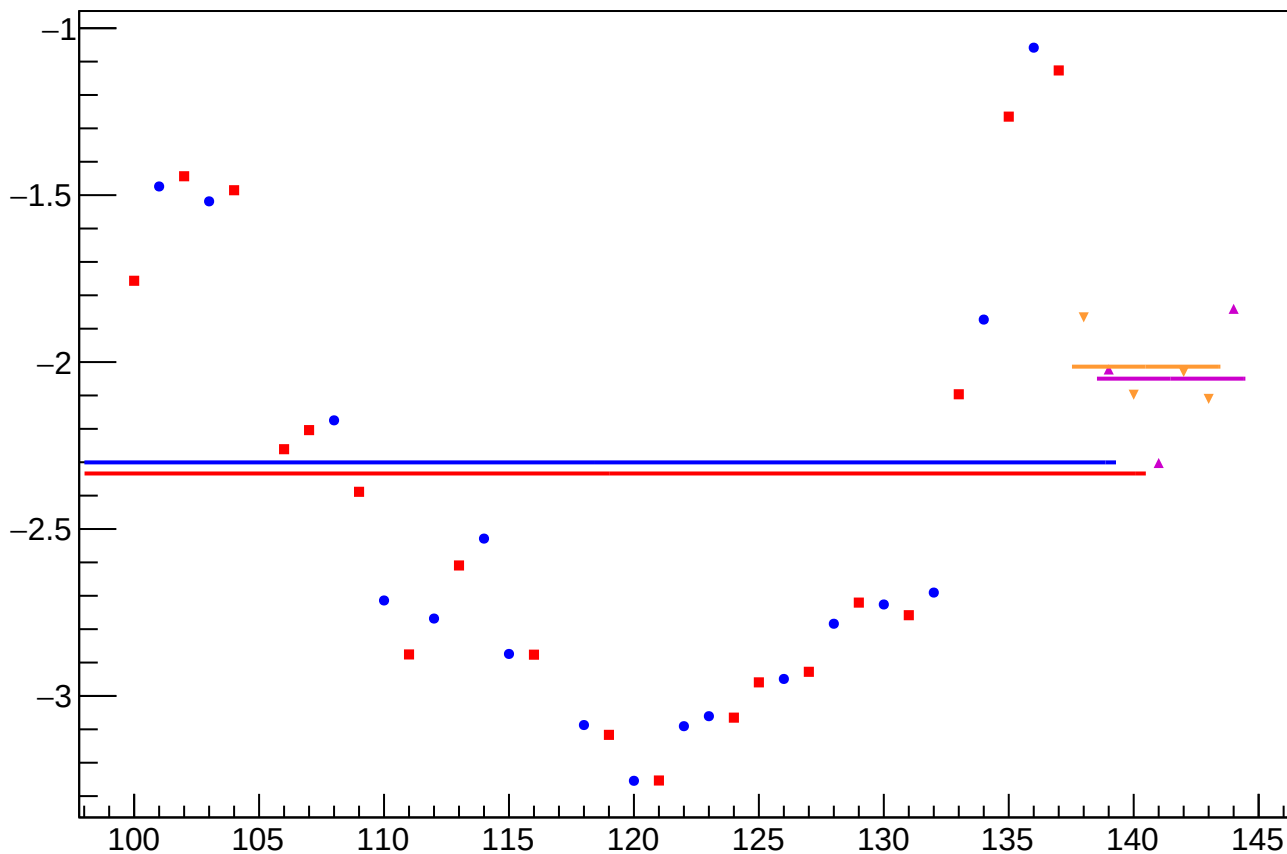
Right: 0.007 $\pm$ 0.000 χ^2 /NDF: 447348.1/35

In: 0.008 $\pm$ 0.000 χ^2 /NDF:448135.8/19

Out: 0.008 $\pm$ 0.000 χ^2 /NDF:637172.0/22

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 1091366.9/42

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.300 ± 0.000 $\chi^2/\text{NDF}: 73601400403.2/16$

Left Out: -2.014 ± 0.000 $\chi^2/\text{NDF}: 363366811.9/3$

Right Out: -2.334 ± 0.000 $\chi^2/\text{NDF}: 64343197509.4/18$

Left In: -2.050 ± 0.000 $\chi^2/\text{NDF}: 1011992825.3/2$

Left: -2.030 ± 0.000 $\chi^2/\text{NDF}: 1394556591.3/6$

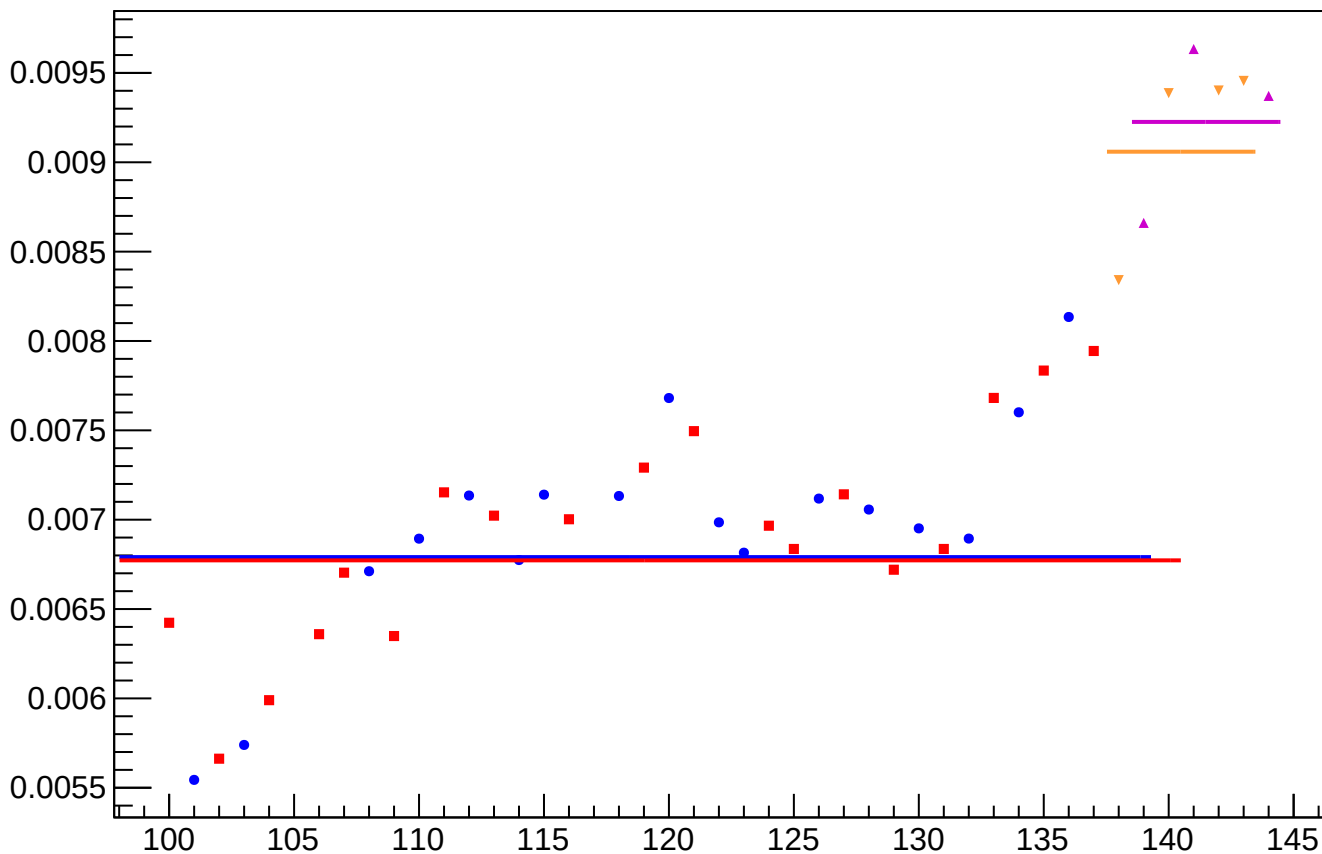
Right: -2.318 ± 0.000 $\chi^2/\text{NDF}: 138026475465.9/35$

In: -2.260 ± 0.000 $\chi^2/\text{NDF}: 76081928193.8/19$

Out: -2.279 ± 0.000 $\chi^2/\text{NDF}: 67404303604.8/22$

All: -2.270 ± 0.000 $\chi^2/\text{NDF}: 143518647636.8$

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 165798.3/16

Left Out: 0.009+/-0.000 χ^2/NDF :16267.0/3

Right Out: 0.007+/-0.000 χ^2/NDF : 123254.7/18

Left In: 0.009+/-0.000 χ^2/NDF :9216.5/2

Left: 0.009+/-0.000 χ^2/NDF : 26308.8/6

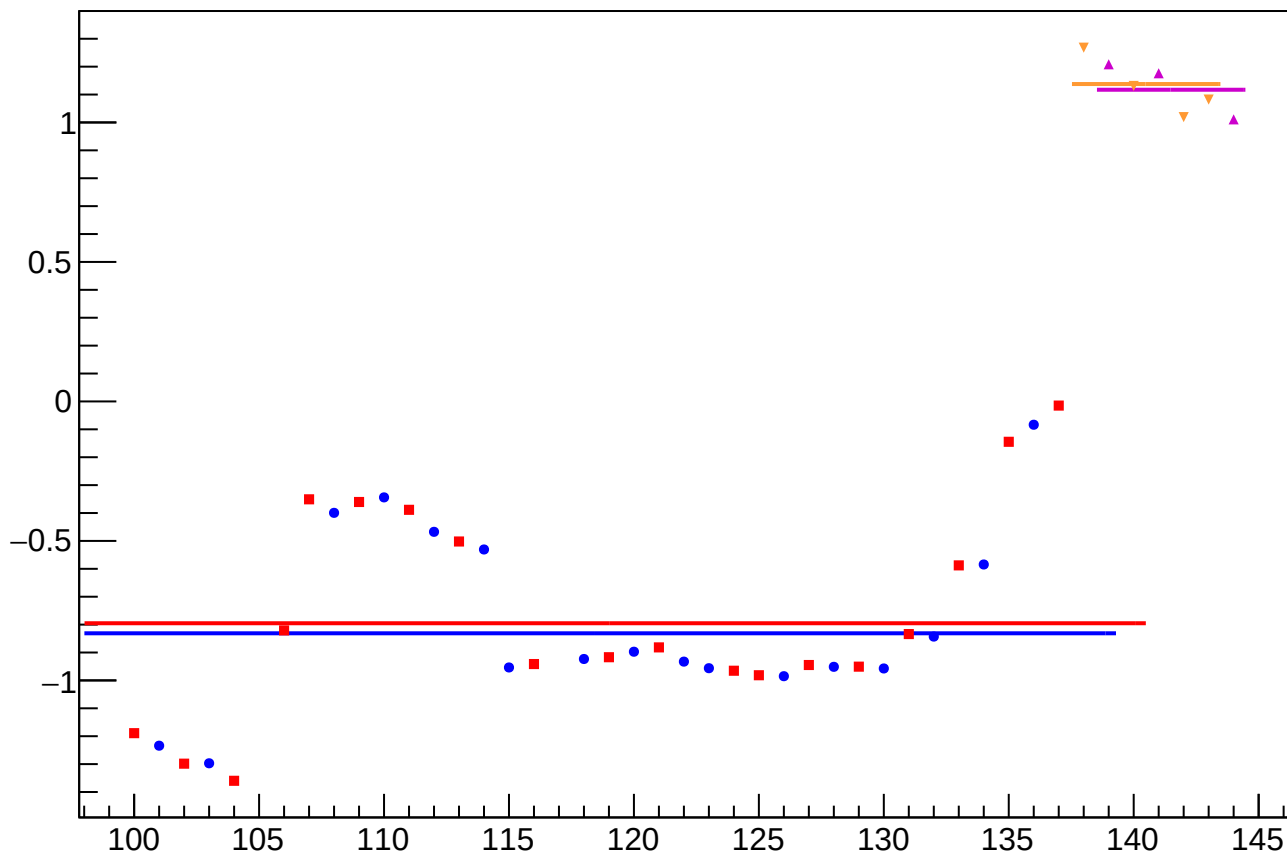
Right: 0.007+/-0.000 χ^2/NDF : 289102.2/35

In: 0.007+/-0.000 χ^2/NDF :451897.8/19

Out: 0.007+/-0.000 χ^2/NDF :415077.8/22

All: 0.007+/-0.000 χ^2/NDF : 867059.4/42

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831 ± 0.000 $\chi^2/\text{NDF}: 6684927415.2/16$

Left Out: 1.138 ± 0.000 $\chi^2/\text{NDF}: 135493796.5/3$

Right Out: -0.795 ± 0.000 $\chi^2/\text{NDF}: 7817248130.7/18$

Left In: 1.117 ± 0.000 $\chi^2/\text{NDF}: 127176228.5/2$

Left: 1.128 ± 0.000 $\chi^2/\text{NDF}: 266093888.1/6$

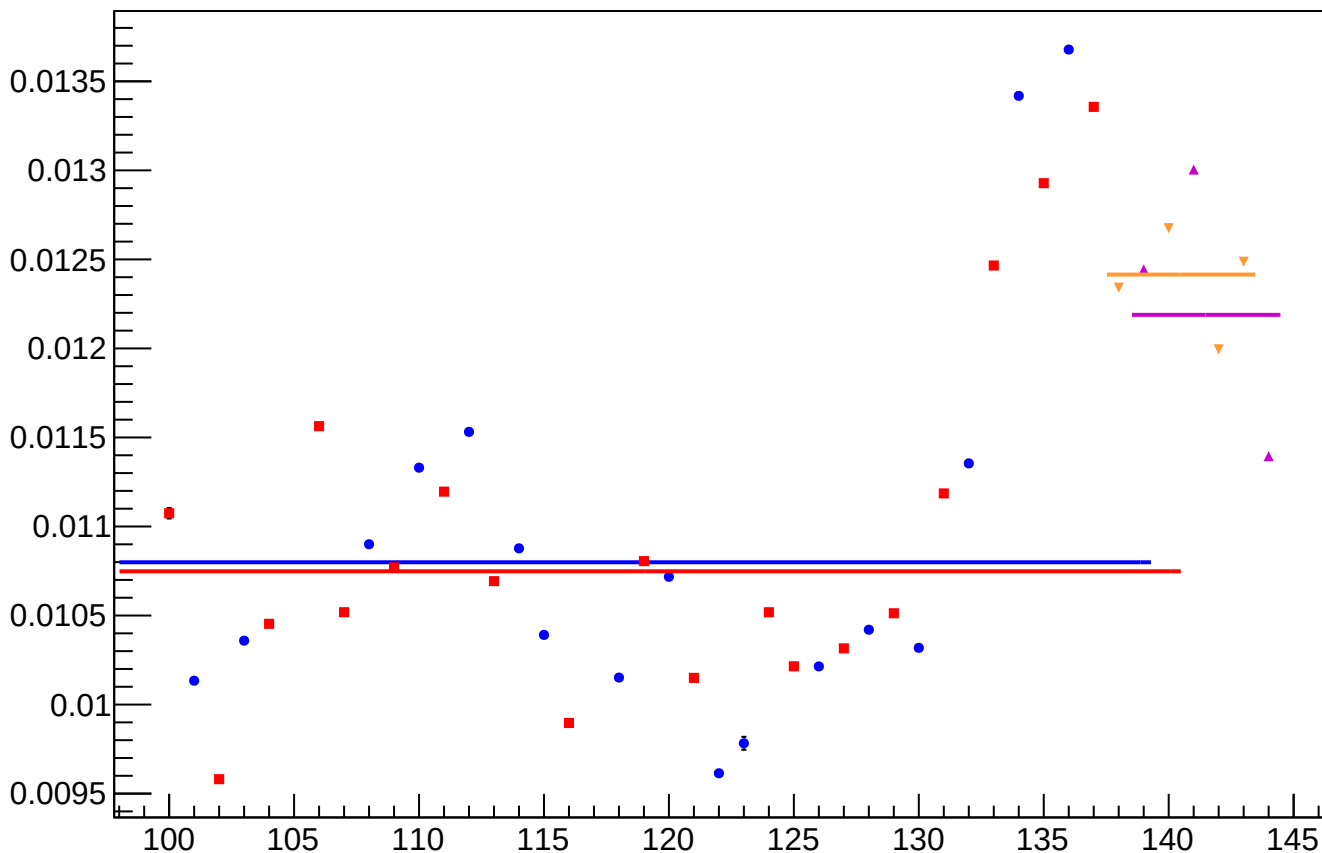
Right: -0.813 ± 0.000 $\chi^2/\text{NDF}: 14539681637.1/35$

In: -0.402 ± 0.000 $\chi^2/\text{NDF}: 53758503212.5/19$

Out: -0.369 ± 0.000 $\chi^2/\text{NDF}: 56997425521.3/22$

All: -0.385 ± 0.000 $\chi^2/\text{NDF}: 110797186065.9$

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 124812.3/16

Left Out: 0.012+/-0.000 χ^2/NDF :1802.0/3

Right Out: 0.011+/-0.000 χ^2/NDF : 89612.1/18

Left In: 0.012+/-0.000 χ^2/NDF :15397.7/2

Left: 0.012+/-0.000 χ^2/NDF : 18035.6/6

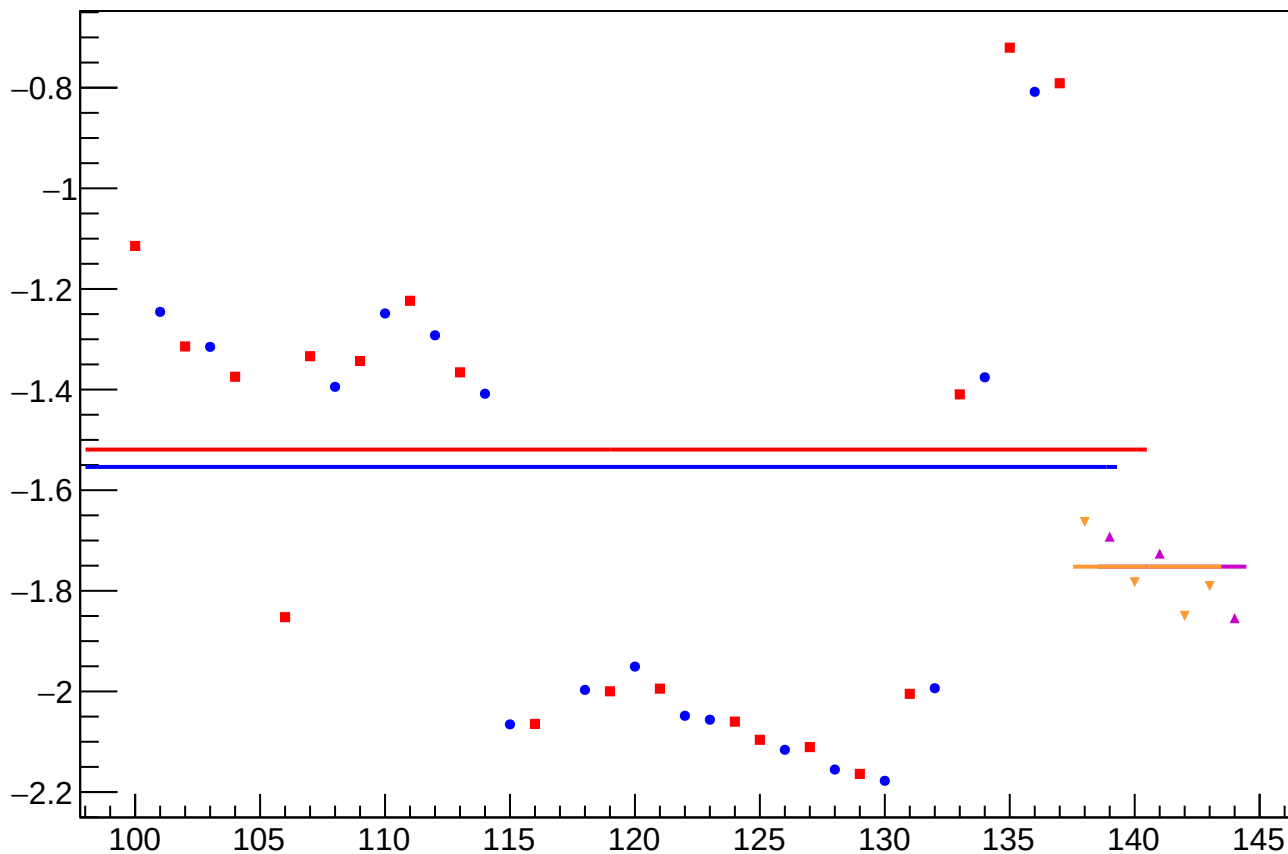
Right: 0.011+/-0.000 χ^2/NDF : 214573.0/35

In: 0.011+/-0.000 χ^2/NDF :187962.3/19

Out: 0.011+/-0.000 χ^2/NDF :164324.9/22

All: 0.011+/-0.000 χ^2/NDF : 352296.1/42

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.554+/-0.000 χ^2/NDF : 153751208532.9/16

Left Out: -1.752+/-0.000 χ^2/NDF : 1389659731.4/3

Right Out: -1.519+/-0.000 χ^2/NDF : 138061021403.9/18

Left In: -1.752+/-0.000 χ^2/NDF : 1136485072.9/2

Left: -1.752+/-0.000 χ^2/NDF : 2526145580.5/6

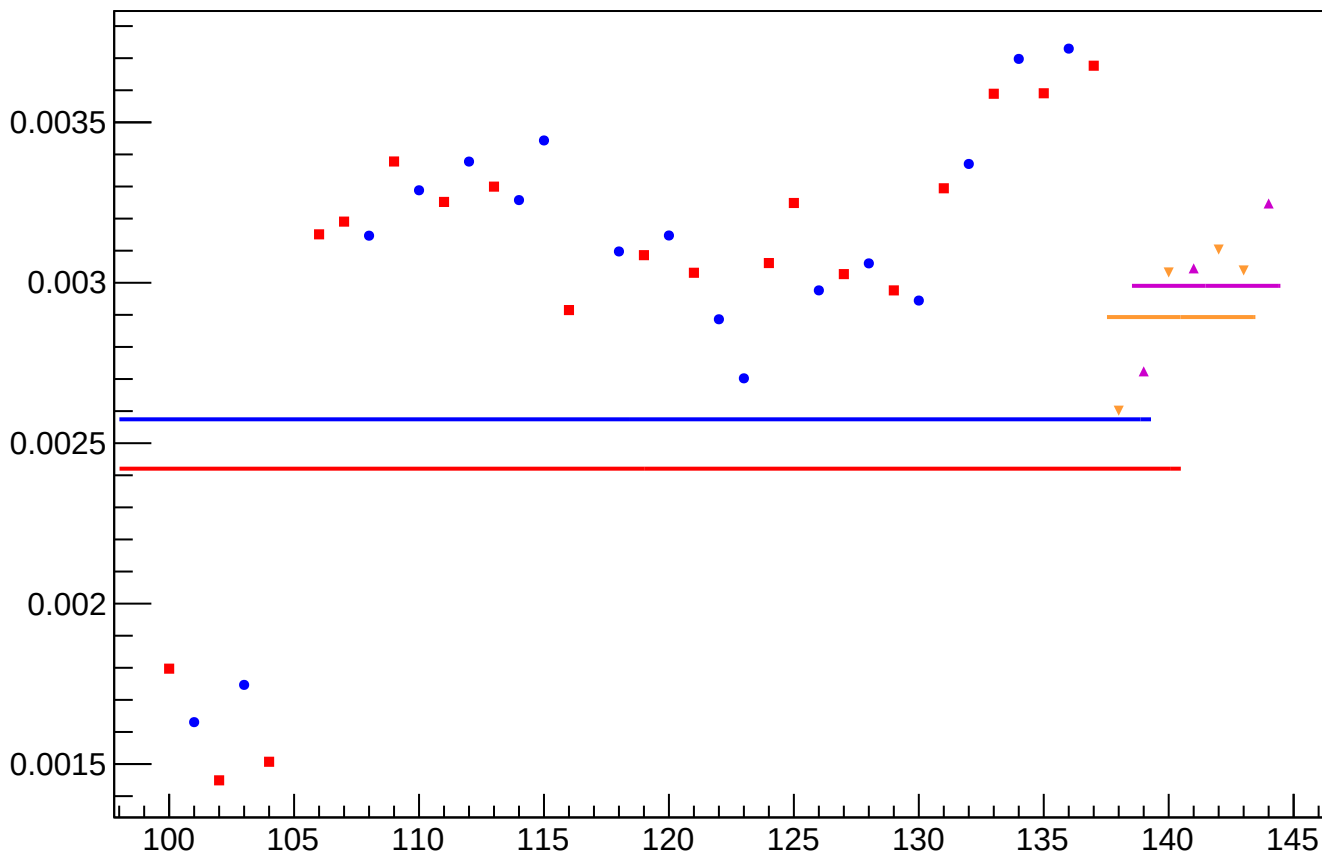
Right: -1.535+/-0.000 χ^2/NDF : 292351096405.8/35

In: -1.598+/-0.000 χ^2/NDF : 162405766723.5/19

Out: -1.574+/-0.000 χ^2/NDF : 151792687050.6/22

All: -1.585+/-0.000 χ^2/NDF : 314542649795.3

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 :27450.9/3

Right Out: 0.002+/-0.000 χ^2/NDF : 1484766.5/18

Left In: 0.003+/-0.000 χ^2/NDF :22626.2/2

Left: 0.003+/-0.000 χ^2/NDF : 52637.8/6

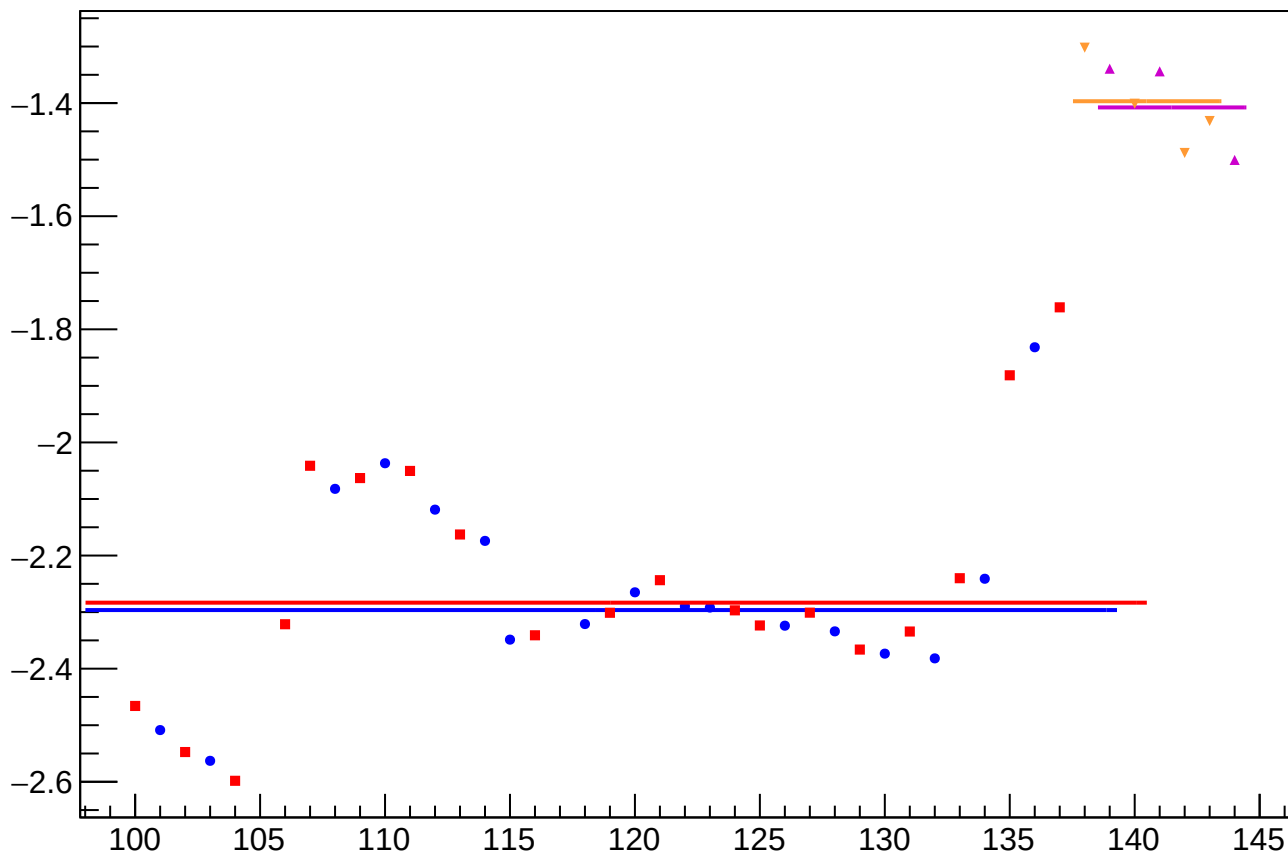
Right: 0.002+/-0.000 χ^2/NDF : 2519697.5/35

In: 0.003+/-0.000 χ^2/NDF :1102436.1/19

Out: 0.003+/-0.000 χ^2/NDF :1613931.0/22

All: 0.003+/-0.000 χ^2/NDF : 2738080.5/42

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -2.296+/-0.000 χ^2/NDF : 5781445779.2/16

Left Out: -1.397+/-0.000 χ^2/NDF : 150735118.2/3

Right Out: -2.283+/-0.000 χ^2/NDF : 6547805693.1/18

Left In: -1.408+/-0.000 χ^2/NDF : 201833739.3/2

Left: -1.402+/-0.000 χ^2/NDF : 354613632.4/6

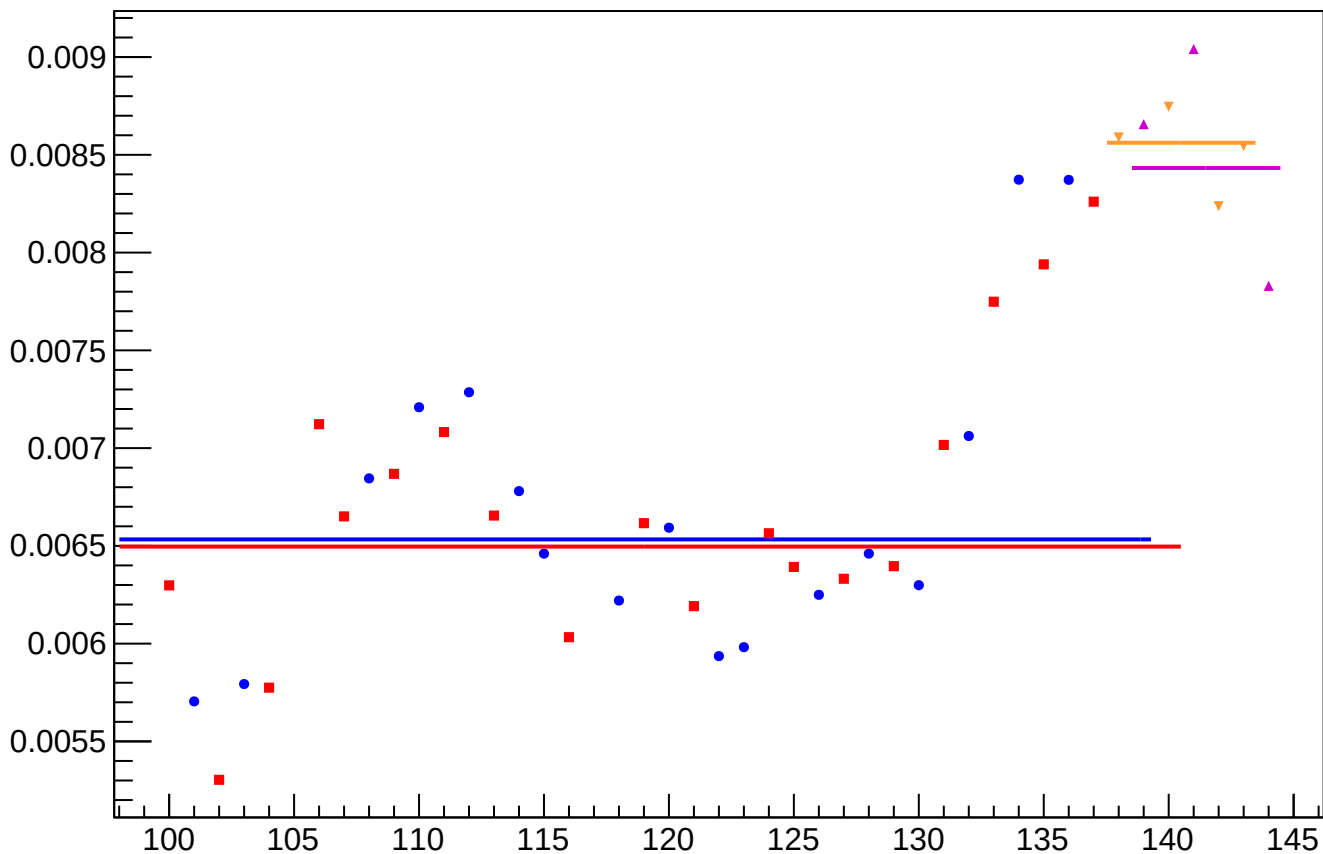
Right: -2.290+/-0.000 χ^2/NDF : 12342526597.5/35

In: -2.137+/-0.000 χ^2/NDF : 27334960025.4/19

Out: -2.123+/-0.000 χ^2/NDF : 29438590639.7/22

All: -2.130+/-0.000 χ^2/NDF : 56792073768.2/47

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 175590.1/16

Left Out: 0.009+/-0.000 χ^2/NDF :2021.2/3

Right Out: 0.006+/-0.000 χ^2/NDF : 163206.3/18

Left In: 0.008+/-0.000 χ^2/NDF :18433.9/2

Left: 0.008+/-0.000 χ^2/NDF : 21022.9/6

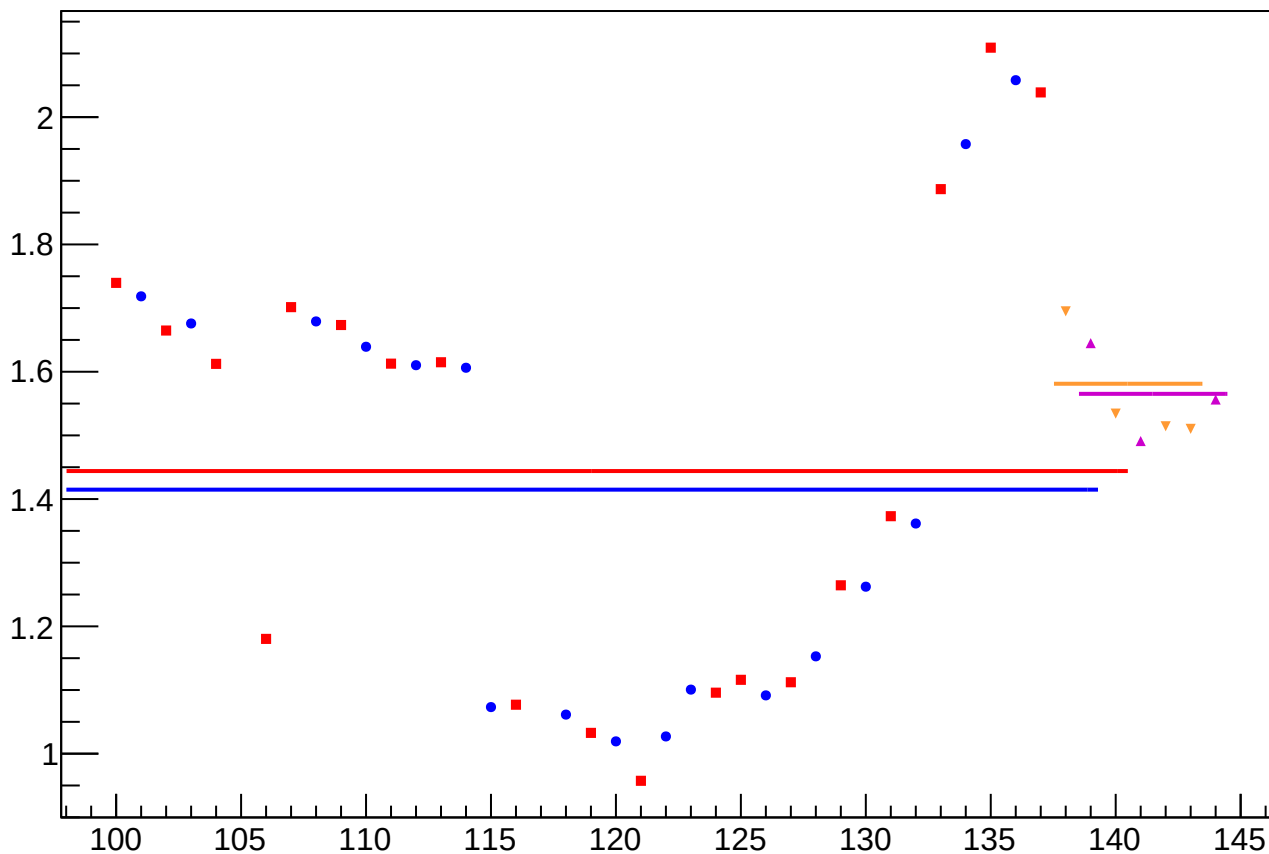
Right: 0.007+/-0.000 χ^2/NDF : 339006.1/35

In: 0.007+/-0.000 χ^2/NDF :389129.8/19

Out: 0.007+/-0.000 χ^2/NDF :412048.5/22

All: 0.007+/-0.000 χ^2/NDF : 801181.4/42

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.415+/-0.000 χ^2/NDF : 171733730631.9/16

Left Out: 1.581+/-0.000 χ^2/NDF : 760497352.4/3

Right Out: 1.444+/-0.000 χ^2/NDF : 172869416198.6/18

Left In: 1.565+/-0.000 χ^2/NDF : 395496068.9/2

Left: 1.574+/-0.000 χ^2/NDF : 1168755864.6/6

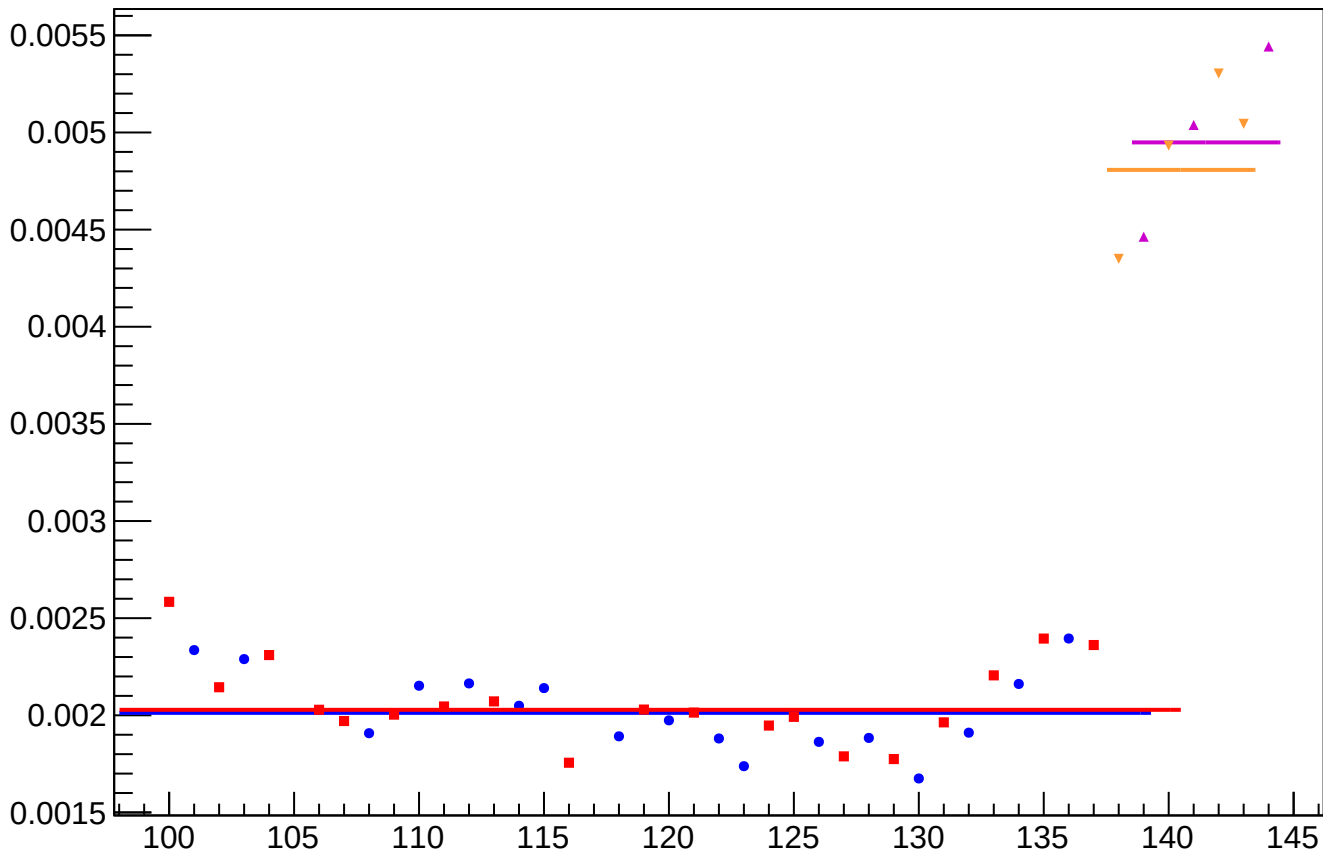
Right: 1.430+/-0.000 χ^2/NDF : 345262431703.8/35

In: 1.423+/-0.000 χ^2/NDF : 174122410577.9/19

Out: 1.453+/-0.000 χ^2/NDF : 175583773112.0/22

All: 1.439+/-0.000 χ^2/NDF : 350425180522.2

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 :27122.2/3

Right Out: 0.002+/-0.000 χ^2/NDF : 102976.0/18

Left In: 0.005+/-0.000 χ^2/NDF :29515.1/2

Left: 0.005+/-0.000 χ^2/NDF : 58669.5/6

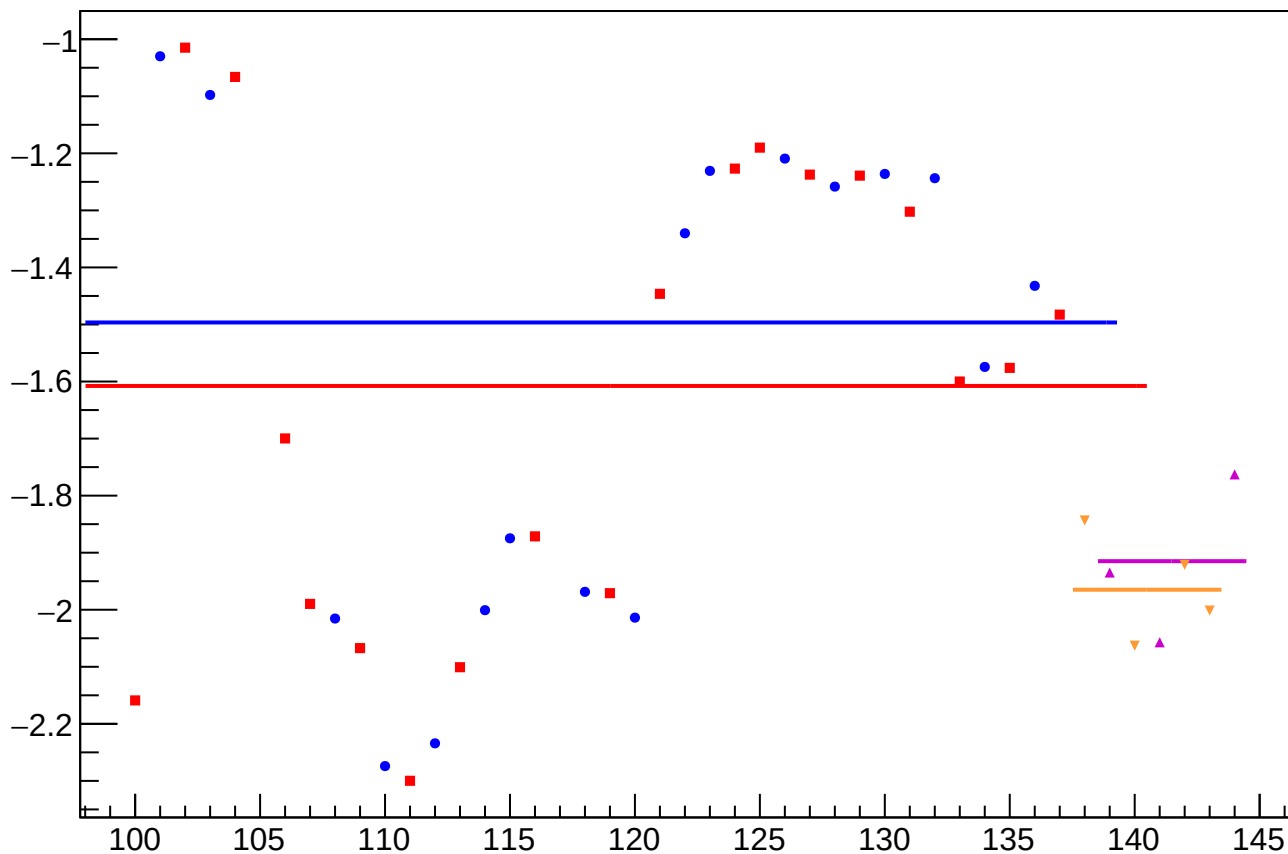
Right: 0.002+/-0.000 χ^2/NDF : 252720.4/35

In: 0.002+/-0.000 χ^2/NDF :1696059.6/19

Out: 0.002+/-0.000 χ^2/NDF :1734944.8/22

All: 0.002+/-0.000 χ^2/NDF : 3432378.8/42

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496+/-0.000 χ^2/NDF : 22480434073.3/16

Left Out: -1.965+/-0.000 χ^2/NDF : 653442155.7/3

Right Out: -1.608+/-0.000 χ^2/NDF : 27825836681.8/18

Left In: -1.915+/-0.000 χ^2/NDF : 1243594529.9/2

Left: -1.941+/-0.000 χ^2/NDF : 2000957152.2/6

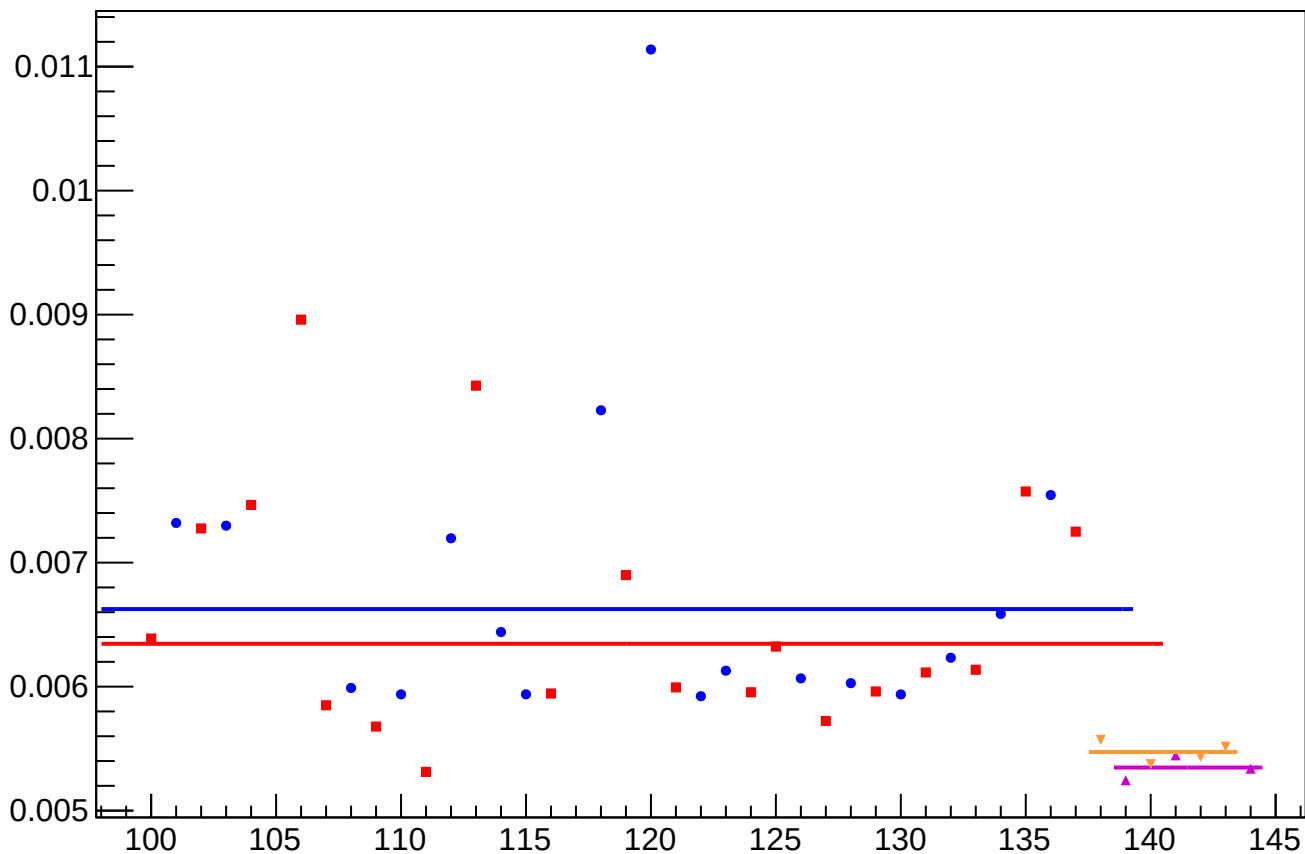
Right: -1.557+/-0.000 χ^2/NDF : 51232685741.2/35

In: -1.651+/-0.000 χ^2/NDF : 32662547226.0/19

Out: -1.730+/-0.000 χ^2/NDF : 35618503301.0/22

All: -1.693+/-0.000 χ^2/NDF : 69010013819.0/40

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 :1080.5/3

Right Out: 0.006+/-0.000 χ^2/NDF : 228829.0/18

Left In: 0.005+/-0.000 χ^2/NDF :1051.9/2

Left: 0.005+/-0.000 χ^2/NDF : 3429.2/6

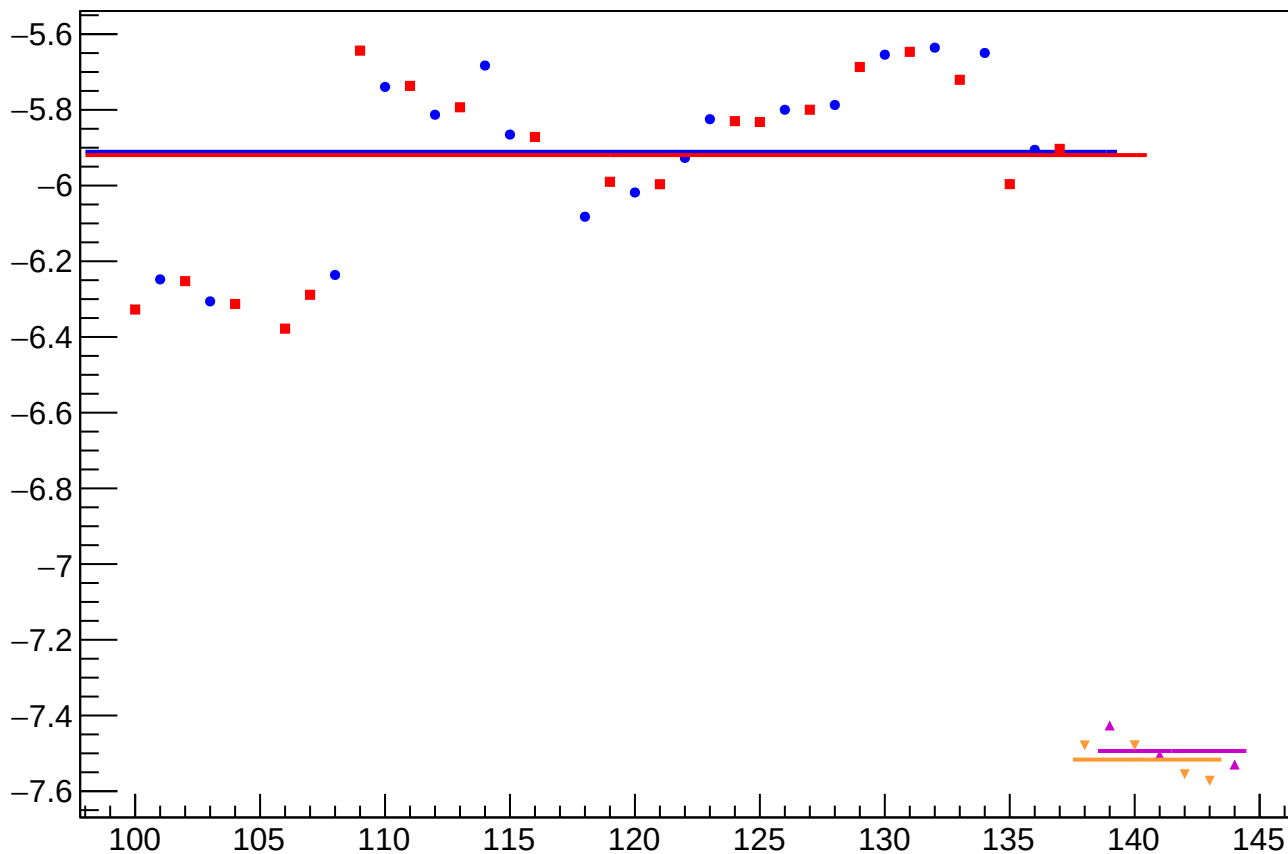
Right: 0.006+/-0.000 χ^2/NDF : 472249.9/35

In: 0.006+/-0.000 χ^2/NDF :399507.6/19

Out: 0.006+/-0.000 χ^2/NDF :315237.7/22

All: 0.006+/-0.000 χ^2/NDF : 717406.2/42

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.911+/-0.000 χ^2/NDF : 11134606775.1/16

Left Out: -7.517+/-0.000 χ^2/NDF : 58906727.6/3

Right Out: -5.919+/-0.000 χ^2/NDF : 12817250659.6/18

Left In: -7.494+/-0.000 χ^2/NDF : 48184111.1/2

Left: -7.506+/-0.000 χ^2/NDF : 114737371.8/6

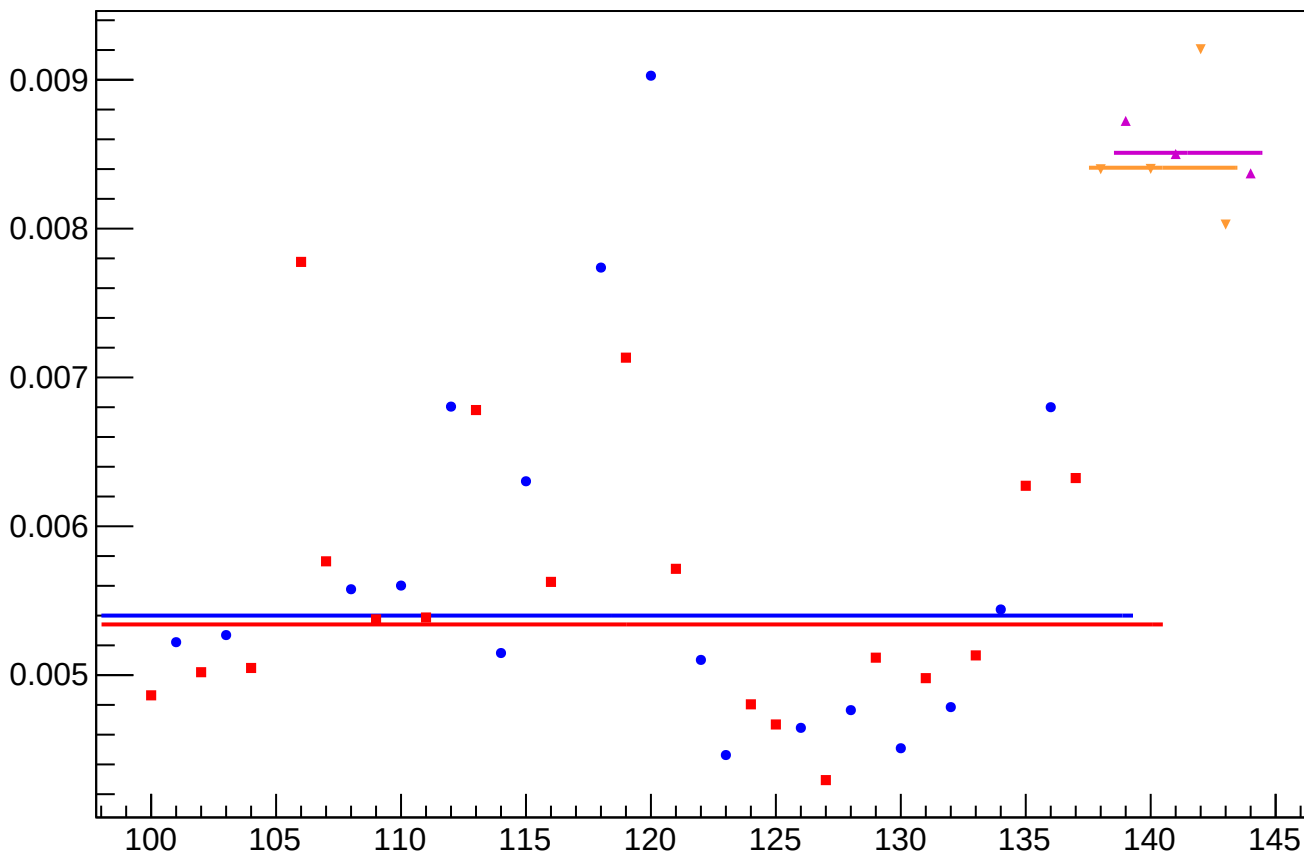
Right: -5.915+/-0.000 χ^2/NDF : 23959758417.3/35

In: -6.106+/-0.000 χ^2/NDF : 73479045217.4/19

Out: -6.113+/-0.000 χ^2/NDF : 81734542987.7/22

All: -6.110+/-0.000 χ^2/NDF : 155220005387.3

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 370479.4/16

Left Out: 0.008+/-0.000 χ^2/NDF :8140.1/3

Right Out: 0.005+/-0.000 χ^2/NDF : 251605.9/18

Left In: 0.009+/-0.000 χ^2/NDF :1084.2/2

Left: 0.008+/-0.000 χ^2/NDF : 9520.0/6

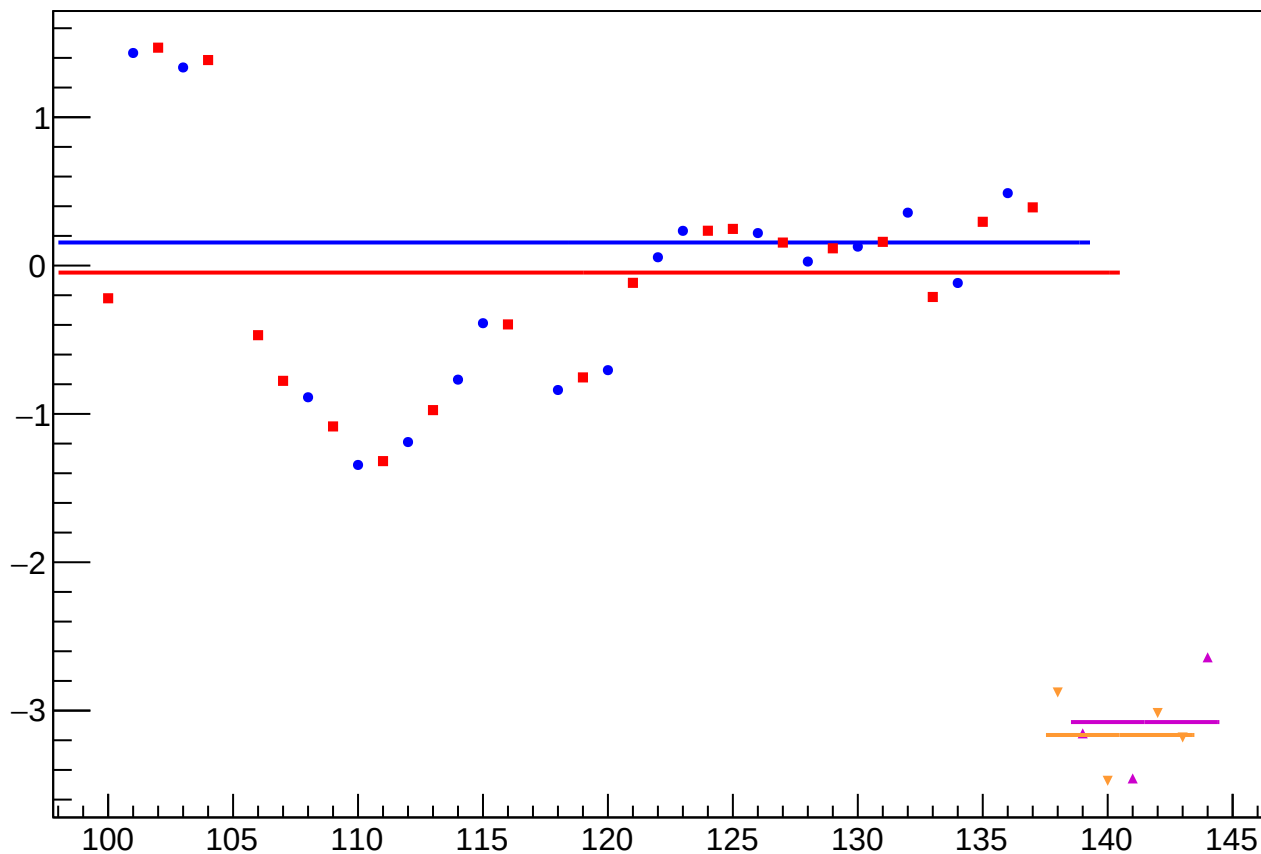
Right: 0.005+/-0.000 χ^2/NDF : 622836.6/35

In: 0.006+/-0.000 χ^2/NDF :852248.6/19

Out: 0.006+/-0.000 χ^2/NDF :768158.6/22

All: 0.006+/-0.000 χ^2/NDF : 1621606.0/42

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 : 505215353.8/3

Right Out: -0.047+/-0.000 χ^2/NDF : 21207878974.4/18

Left In: -3.077+/-0.000 χ^2/NDF : 1075758373.3/2

Left: -3.123+/-0.000 χ^2/NDF : 1615371051.7/6

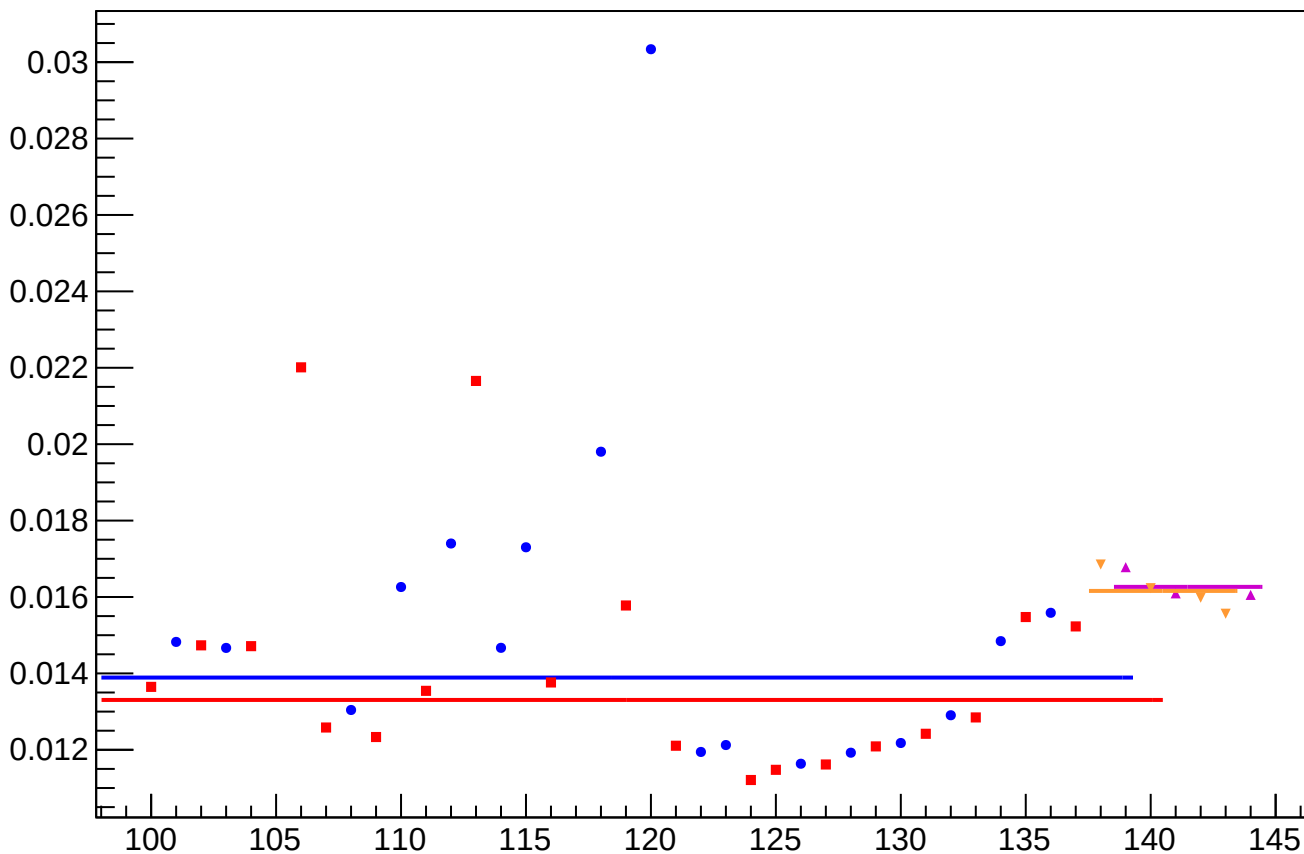
Right: 0.045+/-0.000 χ^2/NDF : 38859685690.3/35

In: -0.560+/-0.000 χ^2/NDF : 88726578086.8/19

Out: -0.693+/-0.000 χ^2/NDF : 94931712314.6/22

All: -0.632+/-0.000 χ^2/NDF : 184035462811.3

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 401280.4/16

Left Out: 0.016 $\pm$ 0.000 χ^2 /NDF:4304.4/3

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 293774.0/18

Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:1706.5/2

Left: 0.016 $\pm$ 0.000 χ^2 /NDF: 6113.6/6

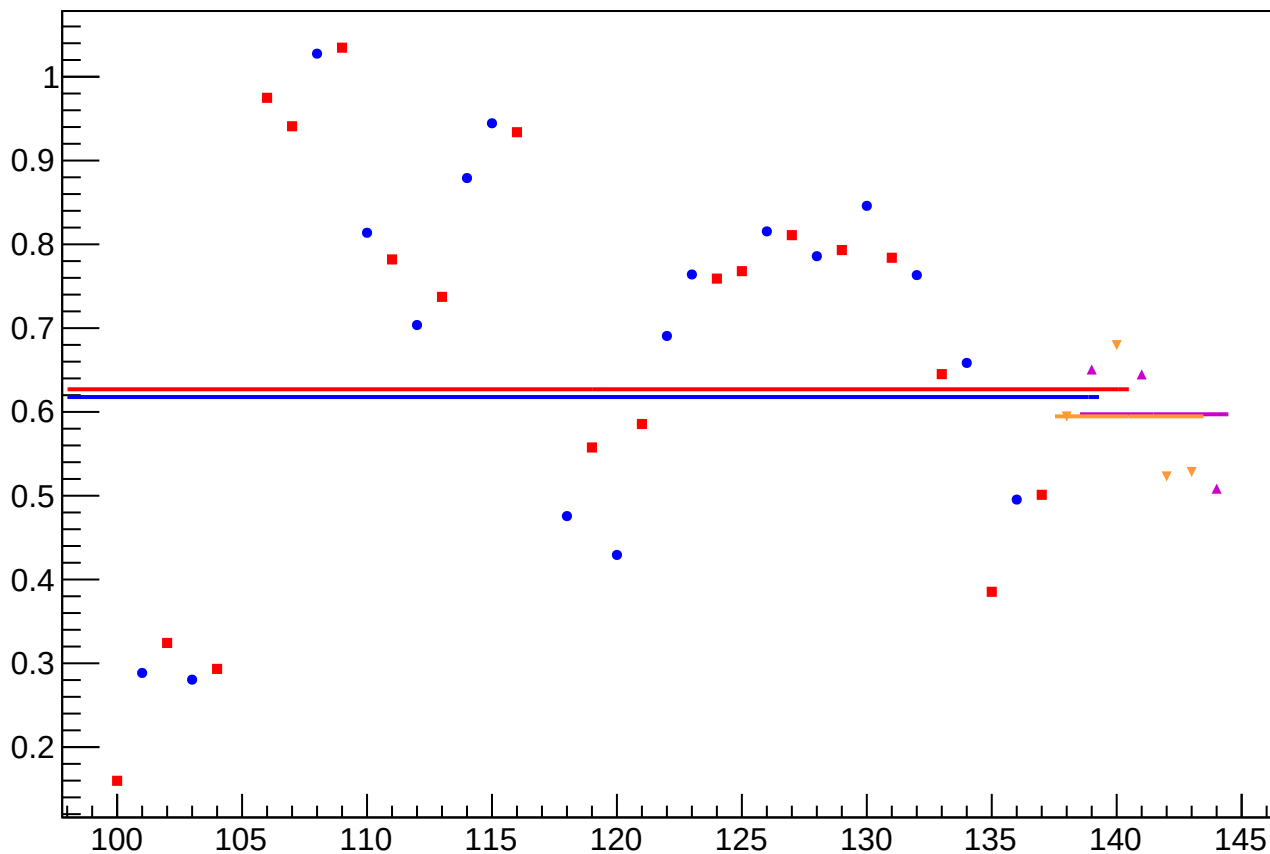
Right: 0.014 $\pm$ 0.000 χ^2 /NDF: 706451.8/35

In: 0.014 $\pm$ 0.000 χ^2 /NDF:479223.1/19

Out: 0.014 $\pm$ 0.000 χ^2 /NDF:420799.9/22

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 911449.8/42

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.618 $\pm$ 0.000 χ^2/NDF : 5402179431.9/16

Left Out: 0.595 $\pm$ 0.000 χ^2/NDF : 203103949.2/3

Right Out: 0.627 $\pm$ 0.000 χ^2/NDF : 6335950203.8/18

Left In: 0.597 $\pm$ 0.000 χ^2/NDF : 192647715.4/2

Left: 0.596 $\pm$ 0.000 χ^2/NDF : 395888734.6/6

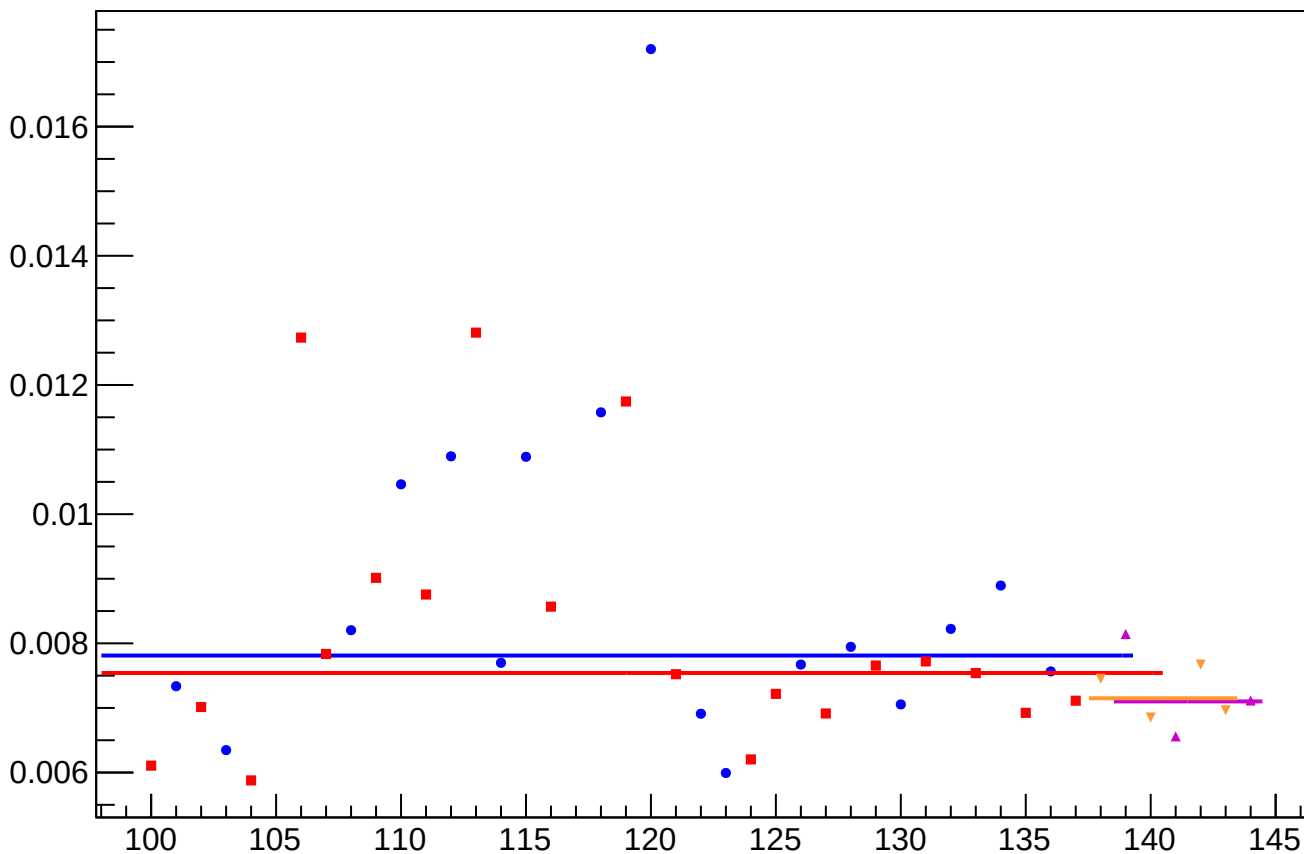
Right: 0.623 $\pm$ 0.000 χ^2/NDF : 11742487820.7/35

In: 0.611 $\pm$ 0.000 χ^2/NDF : 5607495304.6/19

Out: 0.617 $\pm$ 0.000 χ^2/NDF : 6572986216.9/22

All: 0.614 $\pm$ 0.000 χ^2/NDF : 12183194281.8/4

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 :9405.6/3

Right Out: 0.008+/-0.000 χ^2/NDF : 441480.1/18

Left In: 0.007+/-0.000 χ^2/NDF :31496.0/2

Left: 0.007+/-0.000 χ^2/NDF : 41008.7/6

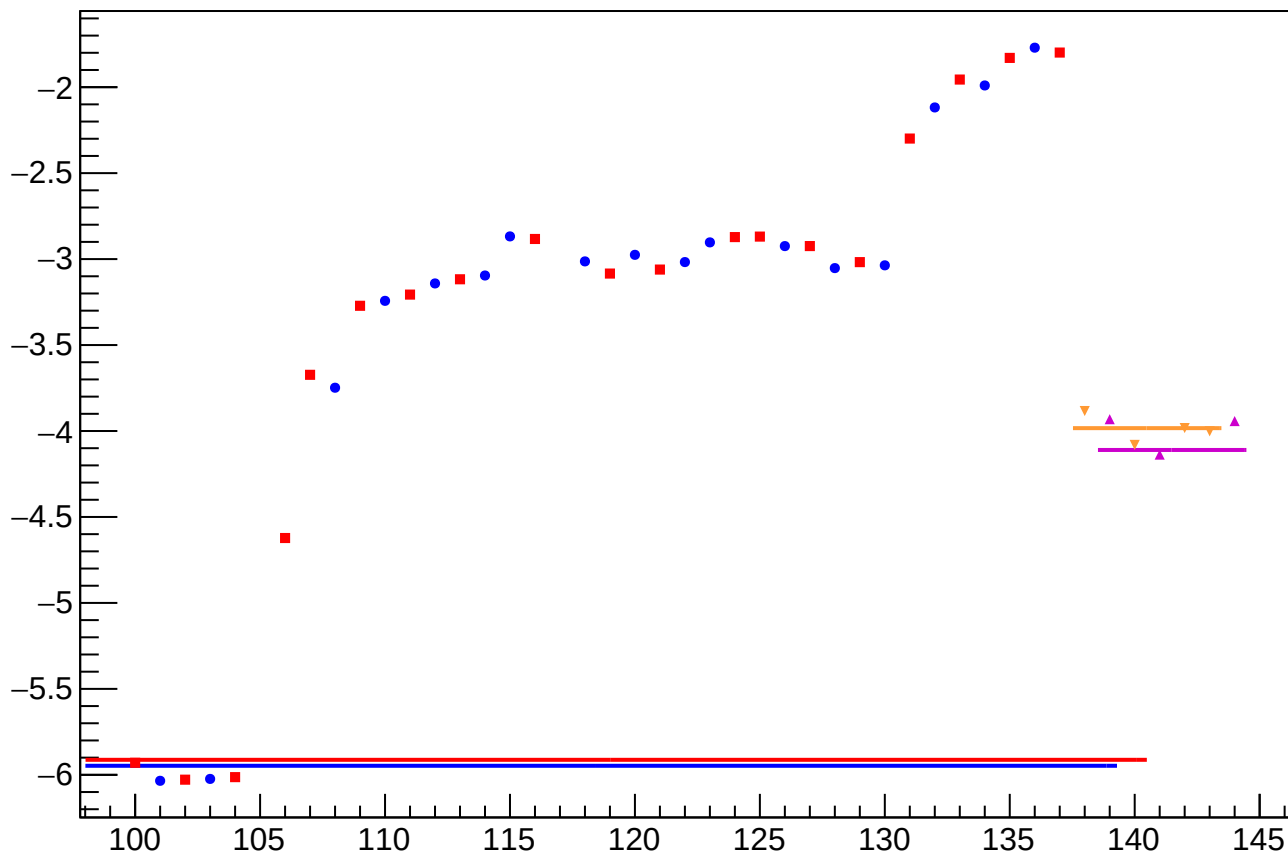
Right: 0.008+/-0.000 χ^2/NDF : 916097.9/35

In: 0.008+/-0.000 χ^2/NDF :528966.5/19

Out: 0.007+/-0.000 χ^2/NDF :460864.9/22

All: 0.008+/-0.000 χ^2/NDF : 993730.2/42

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.947+/-0.000 χ^2/NDF : 13110506154.0/16

Left Out: -3.983+/-0.000 χ^2/NDF :1995037.4/3

Right Out: -5.913+/-0.000 χ^2/NDF : 14598904051.6/18

Left In: -4.110+/-0.000 χ^2/NDF :4719312.3/2

Left: -4.078+/-0.000 χ^2/NDF : 10867885.5/6

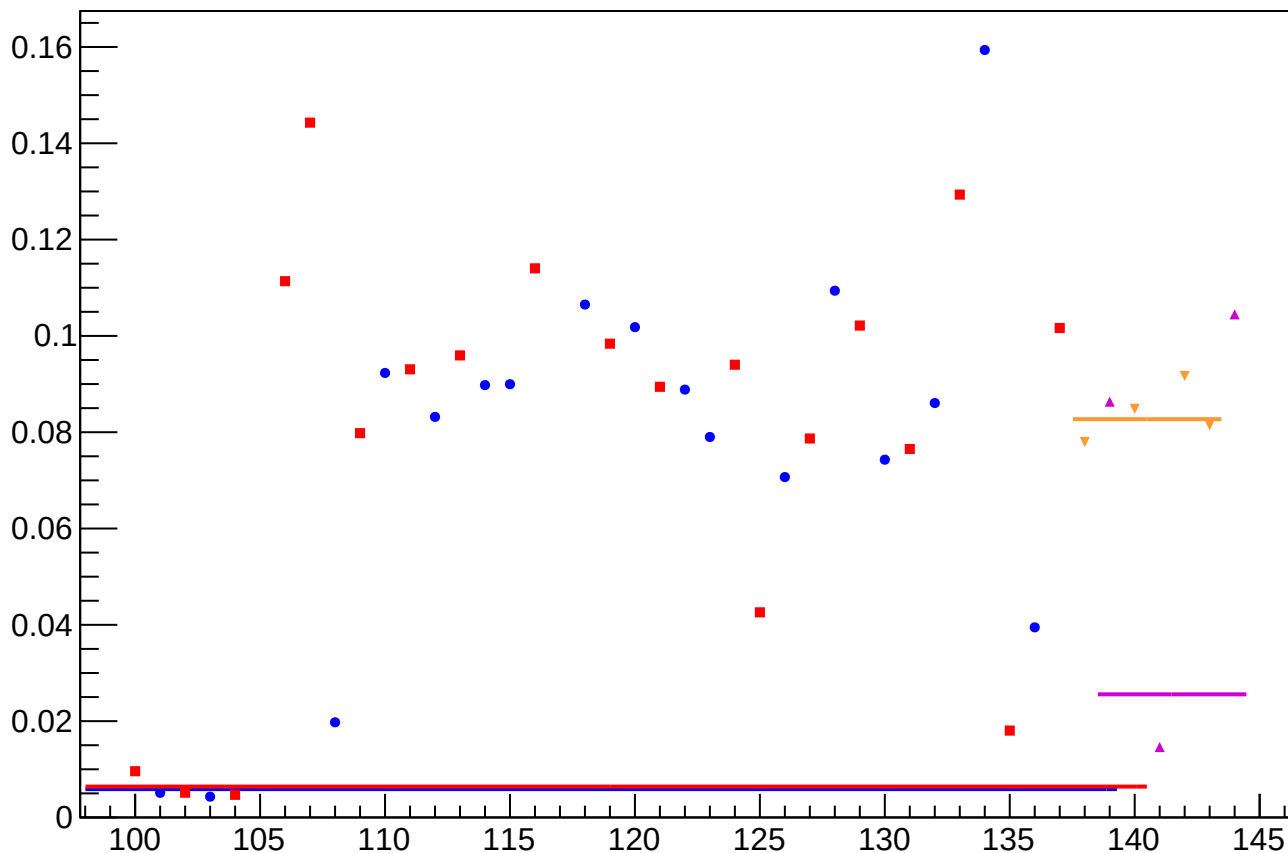
Right: -5.932+/-0.000 χ^2/NDF : 27734843277.8/35

In: -5.909+/-0.000 χ^2/NDF :16448837797.2/19

Out: -5.895+/-0.000 χ^2/NDF :15878612171.1/22

All: -5.903+/-0.000 χ^2/NDF : 32331499385.4/

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 :13910.8/3

Right Out: 0.006+/-0.000 χ^2/NDF : 8462409.6/18

Left In: 0.026+/-0.000 χ^2/NDF :1575070.7/2

Left: 0.040+/-0.000 χ^2/NDF : 3273036.3/6

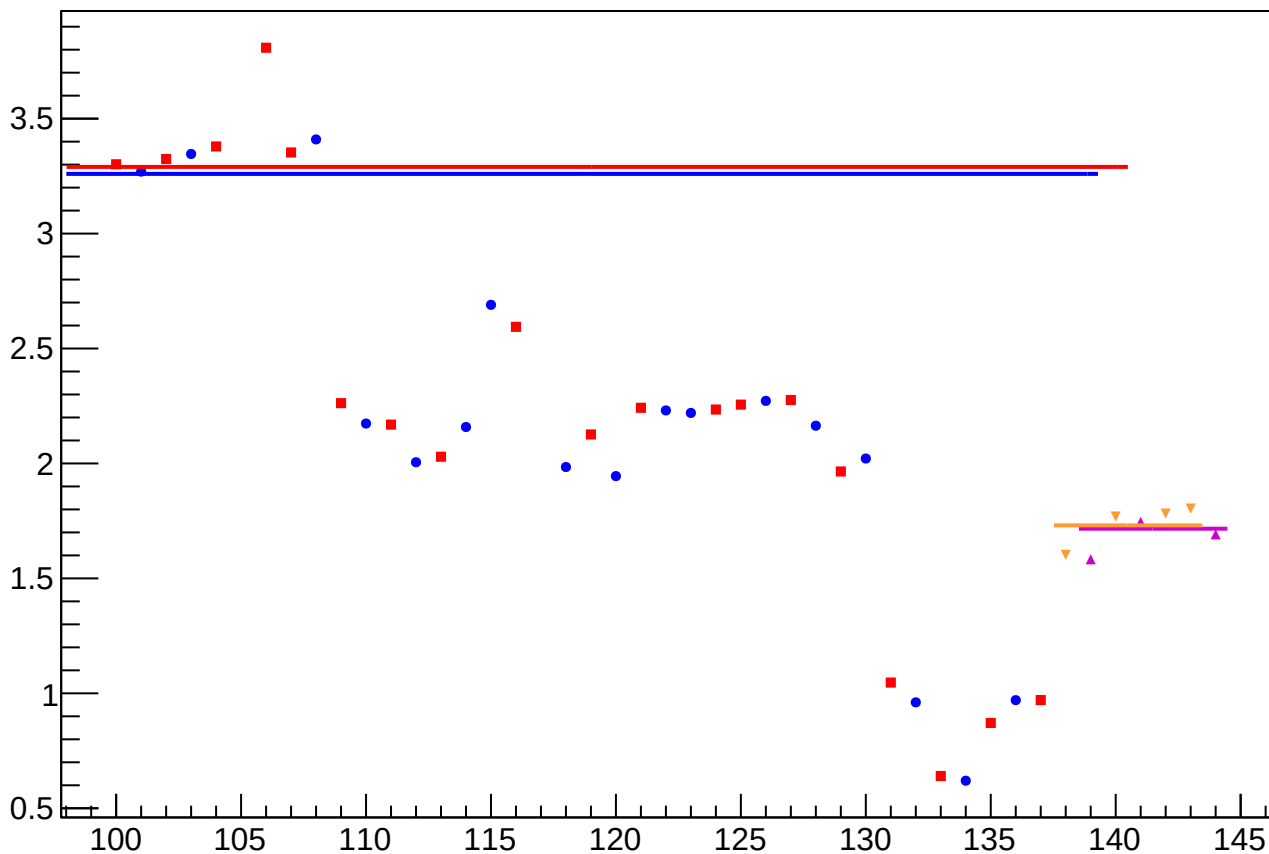
Right: 0.006+/-0.000 χ^2/NDF : 16386134.2/35

In: 0.006+/-0.000 χ^2/NDF :10252565.6/19

Out: 0.007+/-0.000 χ^2/NDF :12473457.5/22

All: 0.007+/-0.000 χ^2/NDF : 22753627.5/42

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260 $\pm$ 0.000 χ^2 /NDF: 2914830636.8/16

Left Out: 1.731 $\pm$ 0.000 χ^2 /NDF:2296701.6/3

Right Out: 3.290 $\pm$ 0.000 χ^2 /NDF: 3257931929.9/18

Left In: 1.716 $\pm$ 0.000 χ^2 /NDF:1356837.3/2

Left: 1.722 $\pm$ 0.000 χ^2 /NDF: 3692288.4/6

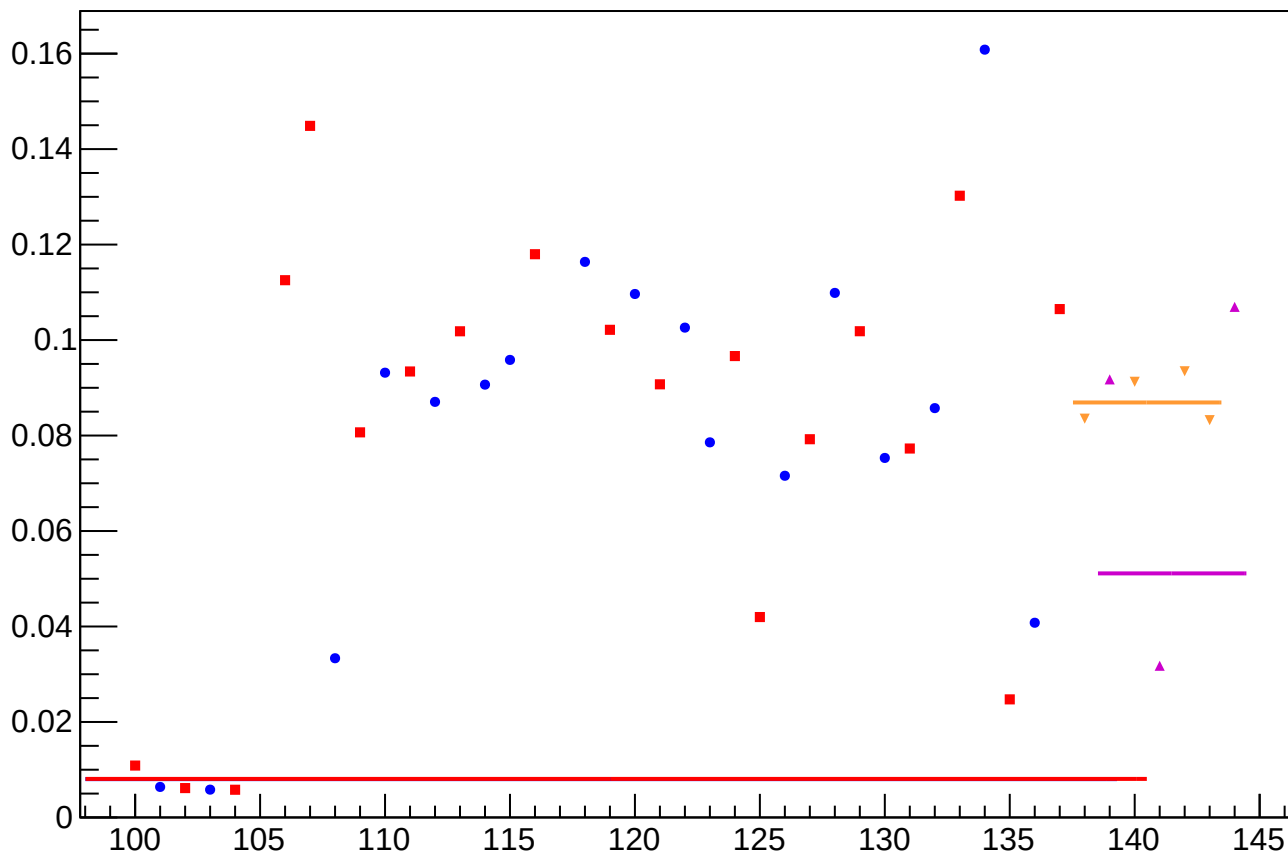
Right: 3.274 $\pm$ 0.000 χ^2 /NDF: 6185493270.5/35

In: 3.236 $\pm$ 0.000 χ^2 /NDF:3960908322.9/19

Out: 3.272 $\pm$ 0.000 χ^2 /NDF:4017071158.0/22

All: 3.253 $\pm$ 0.000 χ^2 /NDF: 7995675830.7/42

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 :11753.1/3

Right Out: 0.008+/-0.000 χ^2/NDF : 8274347.6/18

Left In: 0.051+/-0.000 χ^2/NDF :855496.0/2

Left: 0.066+/-0.000 χ^2/NDF : 1340219.6/6

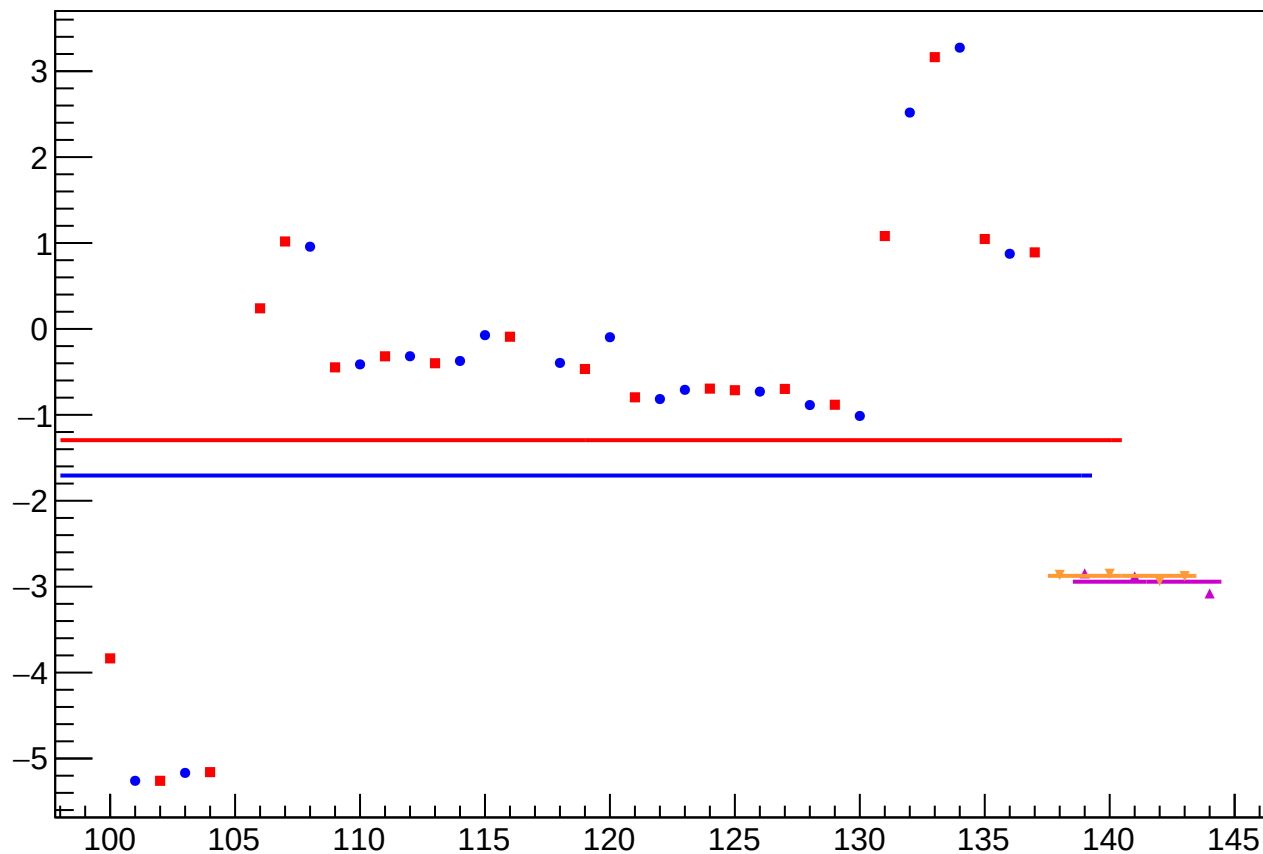
Right: 0.008+/-0.000 χ^2/NDF : 15995510.5/35

In: 0.009+/-0.000 χ^2/NDF :10205486.3/19

Out: 0.009+/-0.000 χ^2/NDF :12156625.2/22

All: 0.009+/-0.000 χ^2/NDF : 22364910.7/42

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 : 37861256.8/3

Right Out: -1.295+/-0.000 χ^2/NDF : 178454284120.5/18

Left In: -2.942+/-0.000 χ^2/NDF : 464852104.7/2

Left: -2.907+/-0.000 χ^2/NDF : 604784601.3/6

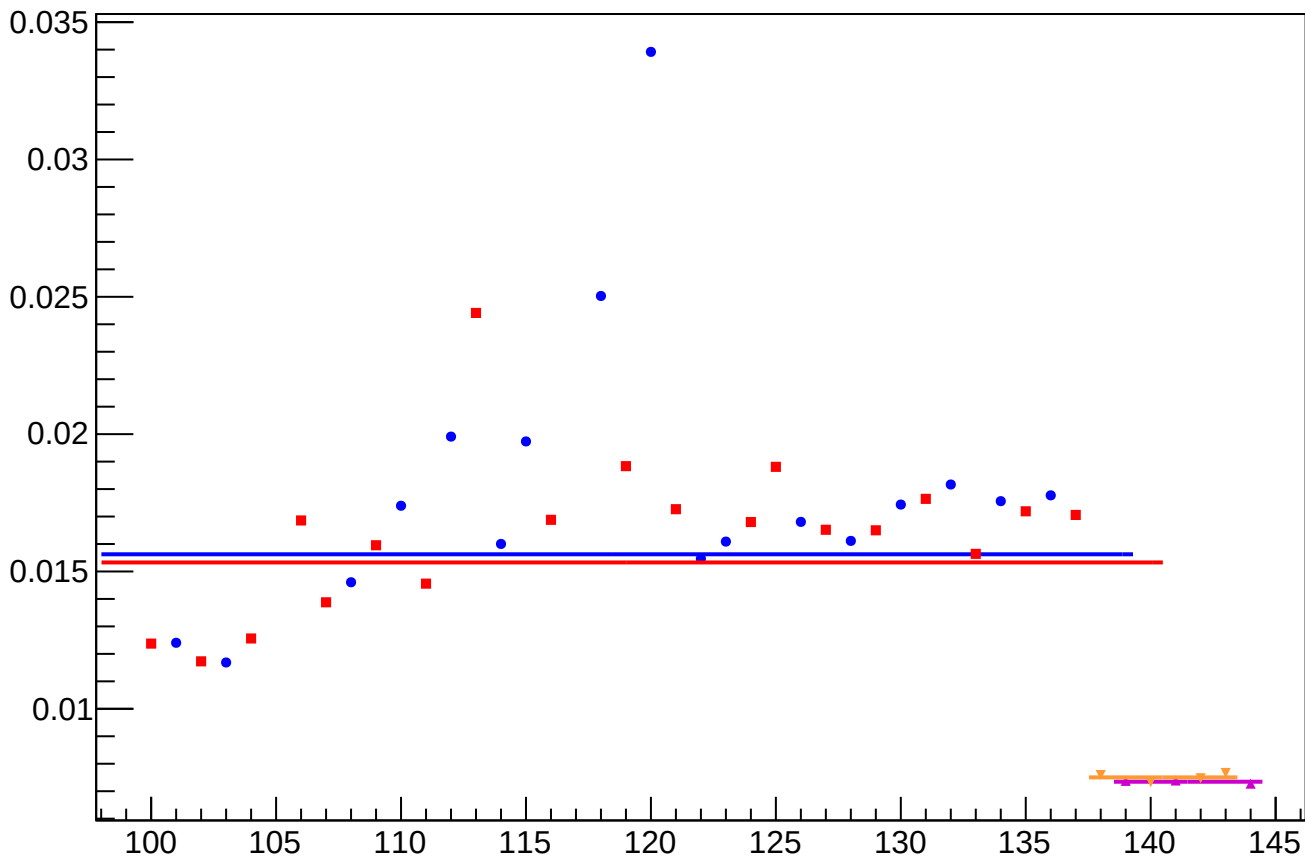
Right: -1.486+/-0.000 χ^2/NDF : 346679077409.6/35

In: -2.513+/-0.000 χ^2/NDF : 189443806465.2/19

Out: -2.291+/-0.000 χ^2/NDF : 219920490916.8/22

All: -2.398+/-0.000 χ^2/NDF : 411049788296.3

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016 $\pm$ 0.000 χ^2 /NDF: 576262.6/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:1654.7/3

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 349445.5/18

Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:239.6/2

Left: 0.007 $\pm$ 0.000 χ^2 /NDF: 3000.9/6

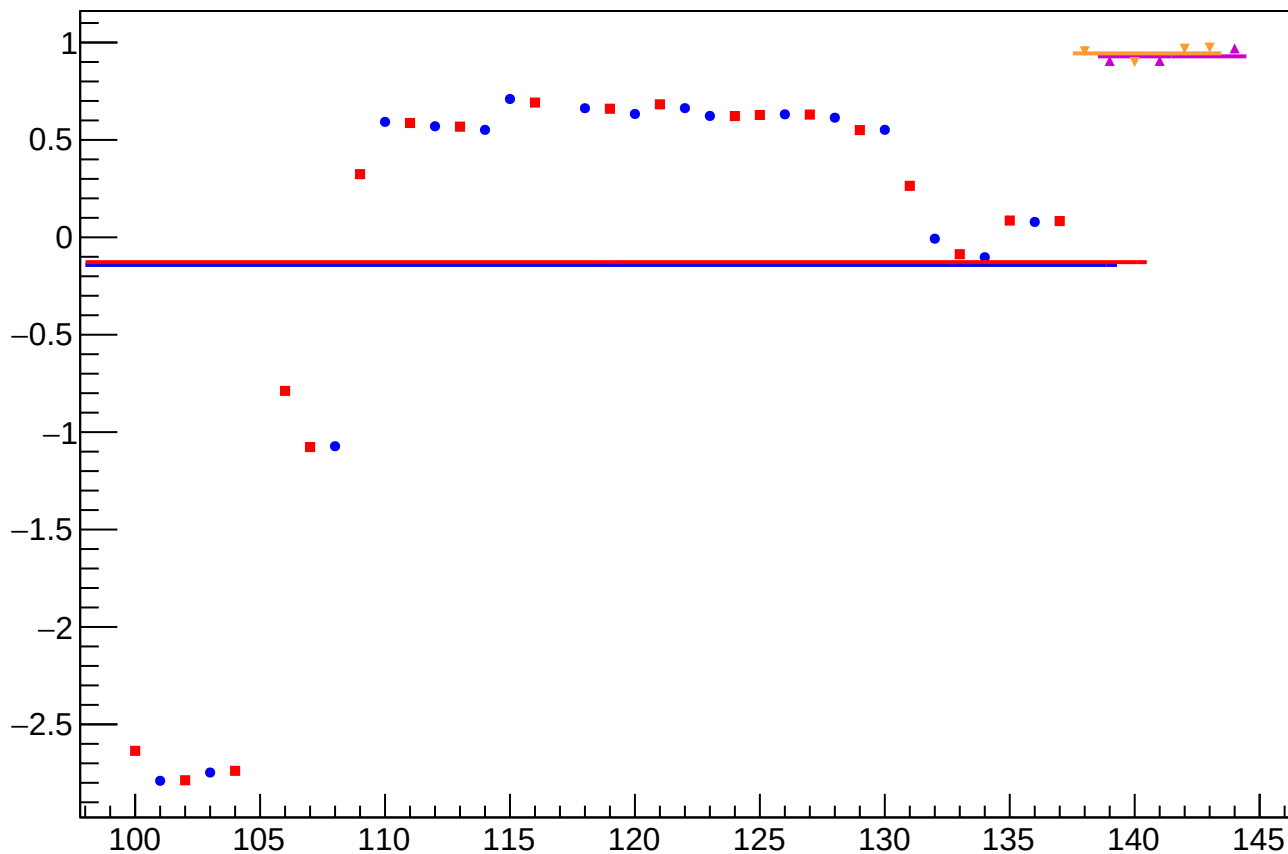
Right: 0.015 $\pm$ 0.000 χ^2 /NDF: 927870.4/35

In: 0.010 $\pm$ 0.000 χ^2 /NDF:2626070.3/19

Out: 0.010 $\pm$ 0.000 χ^2 /NDF:2385821.1/22

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 5013903.8/42

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -0.142 $\pm$ 0.000 χ^2 /NDF: 713960839307.6/16

Left Out: 0.944 $\pm$ 0.000 χ^2 /NDF: 49961889.7/3

Right Out: -0.128 $\pm$ 0.000 χ^2 /NDF: 760638736693.8/18

Left In: 0.929 $\pm$ 0.000 χ^2 /NDF: 44448150.1/2

Left: 0.937 $\pm$ 0.000 χ^2 /NDF: 100113235.5/6

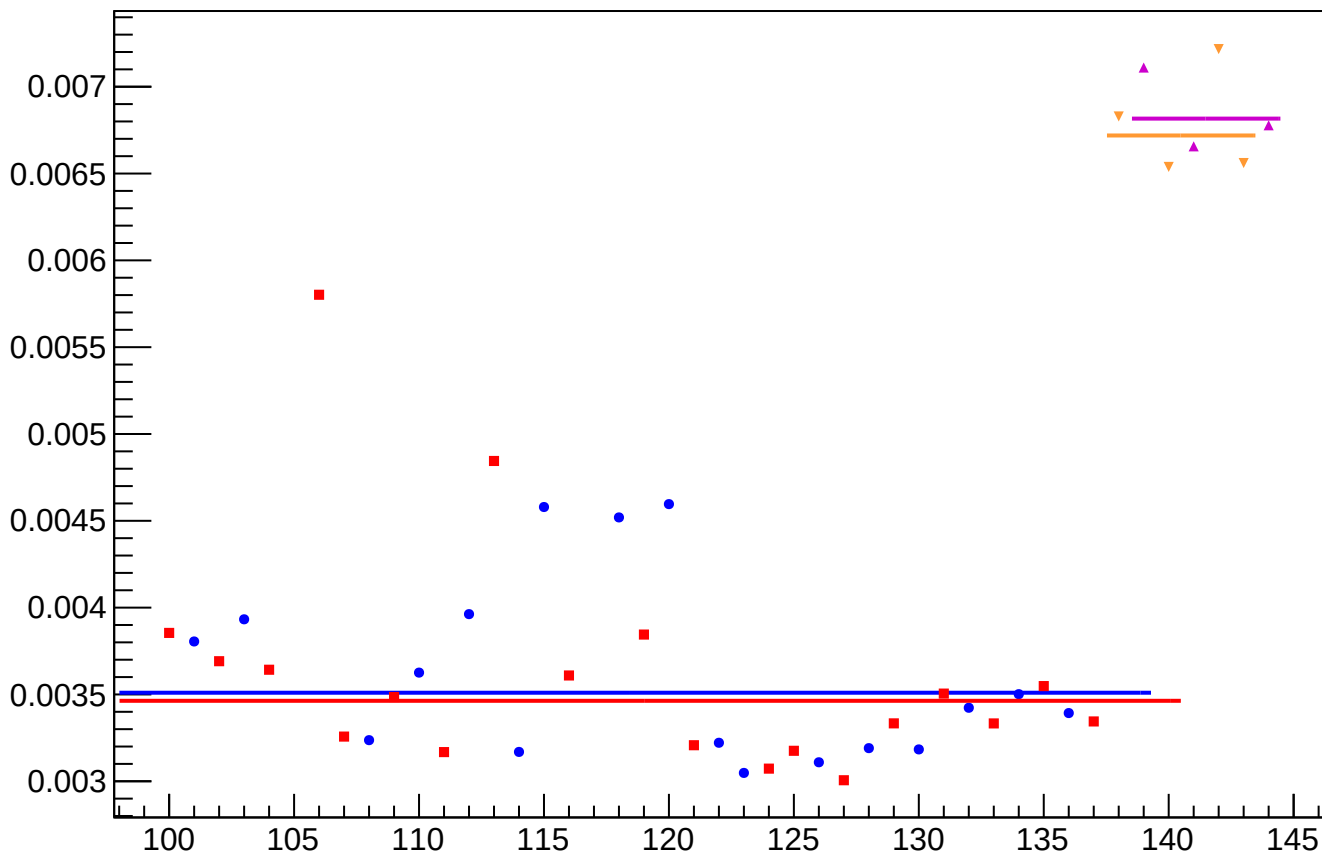
Right: -0.134 $\pm$ 0.000 χ^2 /NDF: 1474652420733.4/3

In: -0.052 $\pm$ 0.000 χ^2 /NDF: 762758026632.6/19

Out: -0.038 $\pm$ 0.000 χ^2 /NDF: 814246826623.2/22

All: -0.045 $\pm$ 0.000 χ^2 /NDF: 1577065384001

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:5798.9/3

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 215500.5/18

Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:2992.6/2

Left: 0.007 $\pm$ 0.000 χ^2 /NDF: 9249.8/6

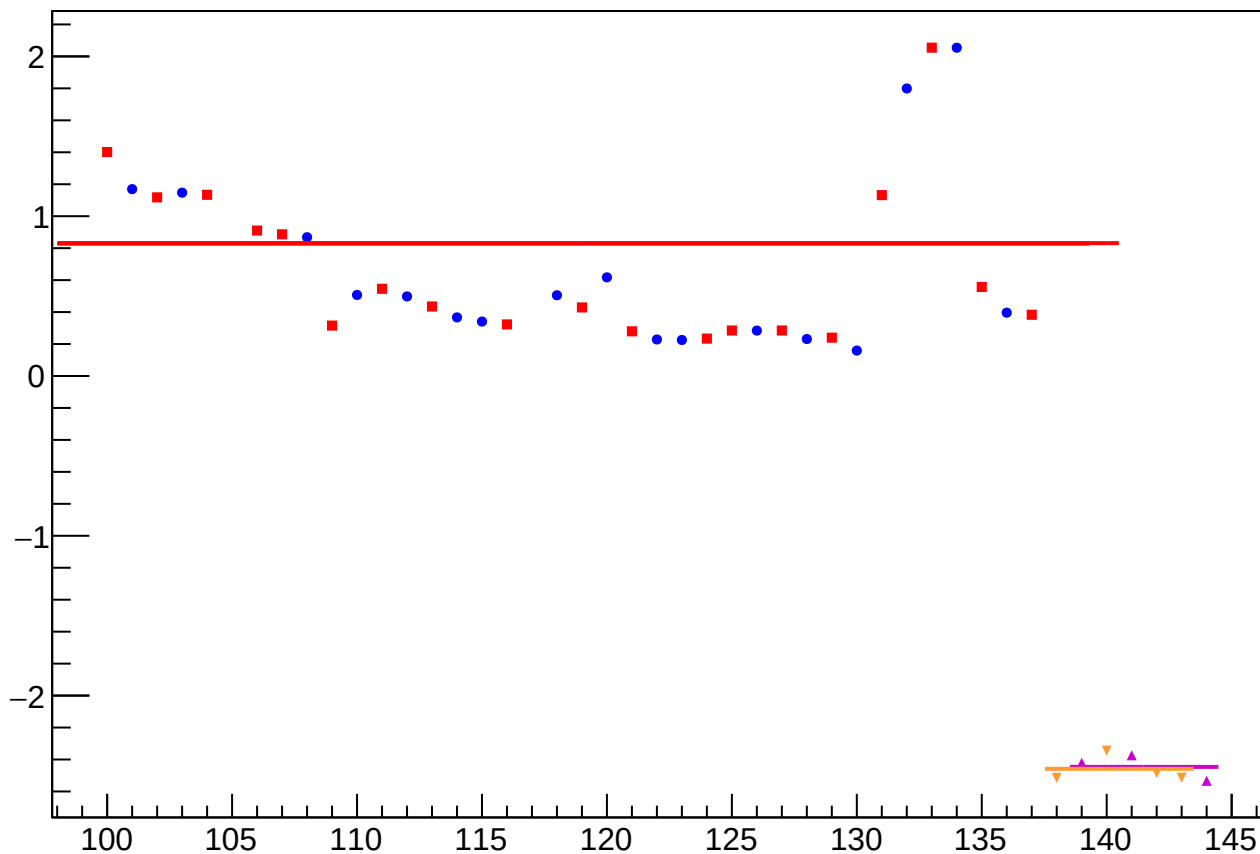
Right: 0.003 $\pm$ 0.000 χ^2 /NDF: 388598.7/35

In: 0.004 $\pm$ 0.000 χ^2 /NDF:1105195.9/19

Out: 0.004 $\pm$ 0.000 χ^2 /NDF:1209886.6/22

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 2316537.6/42

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.829+/-0.000 χ^2/NDF : 31663410264.3/16

Left Out: -2.458+/-0.000 χ^2/NDF : 319659534.9/3

Right Out: 0.831+/-0.000 χ^2/NDF : 33383369168.0/18

Left In: -2.446+/-0.000 χ^2/NDF : 251327313.5/2

Left: -2.452+/-0.000 χ^2/NDF : 574795677.1/6

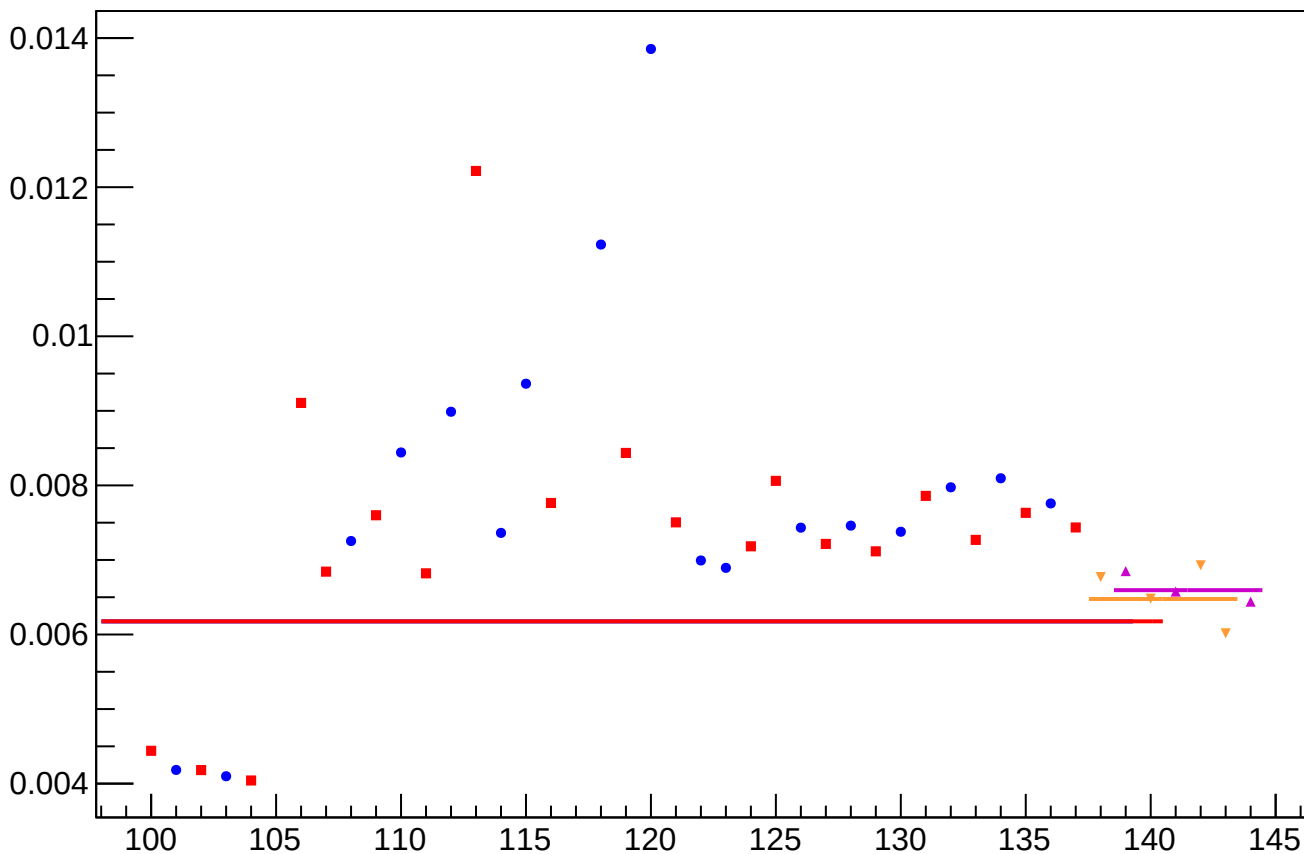
Right: 0.830+/-0.000 χ^2/NDF : 65047160404.8/35

In: -0.045+/-0.000 χ^2/NDF : 429984300941.1/19

Out: -0.050+/-0.000 χ^2/NDF : 474309975742.6/22

All: -0.048+/-0.000 χ^2/NDF : 904296923605.2

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 :12826.6/3

Right Out: 0.006+/-0.000 χ^2/NDF : 1020690.2/18

Left In: 0.007+/-0.000 χ^2/NDF :2616.7/2

Left: 0.007+/-0.000 χ^2/NDF : 16189.0/6

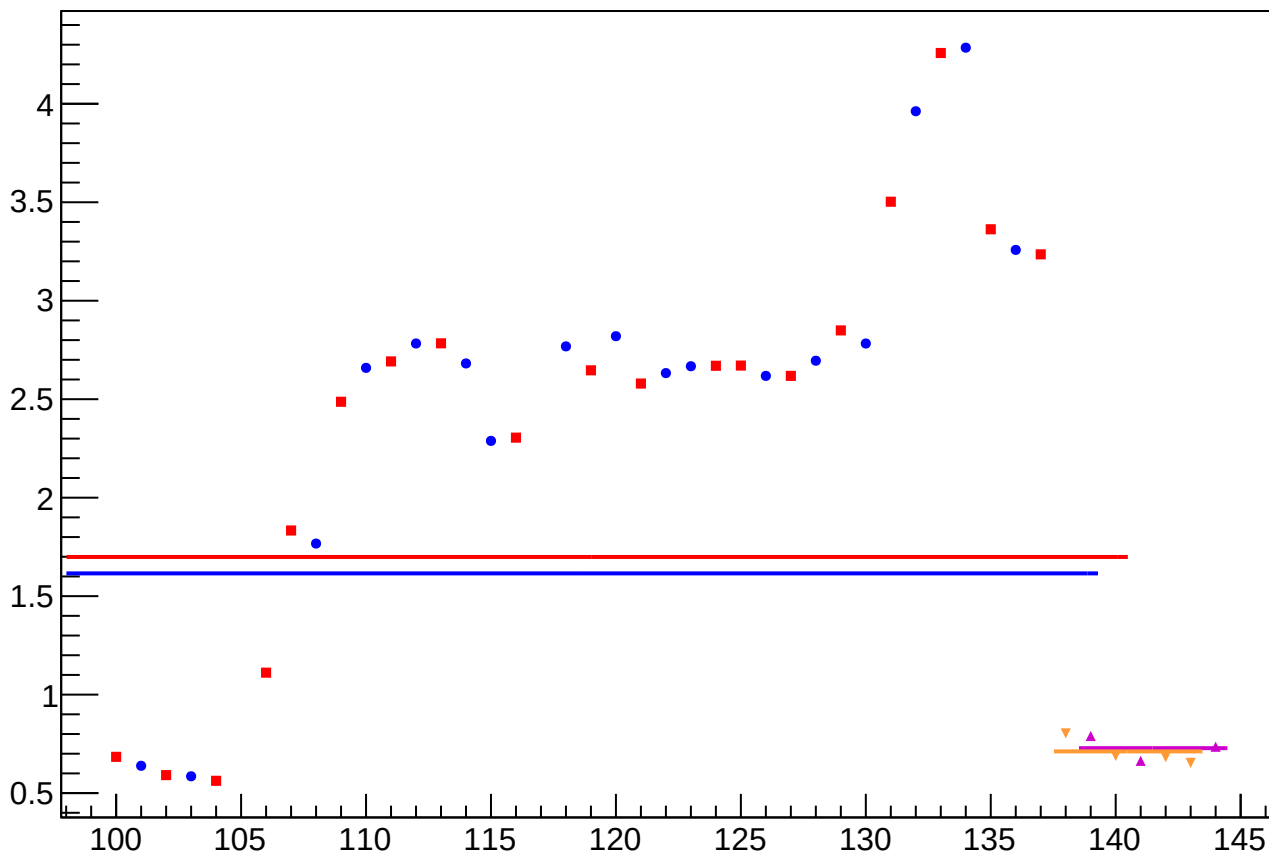
Right: 0.006+/-0.000 χ^2/NDF : 2242581.1/35

In: 0.006+/-0.000 χ^2/NDF :1237567.6/19

Out: 0.006+/-0.000 χ^2/NDF :1040816.6/22

All: 0.006+/-0.000 χ^2/NDF : 2278565.4/42

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.616+/-0.000 χ^2/NDF : 202687681737.9/16

Left Out: 0.712+/-0.000 χ^2/NDF : 216565128.7/3

Right Out: 1.699+/-0.000 χ^2/NDF : 227853059871.9/18

Left In: 0.728+/-0.000 χ^2/NDF : 139275586.4/2

Left: 0.720+/-0.000 χ^2/NDF : 363659551.0/6

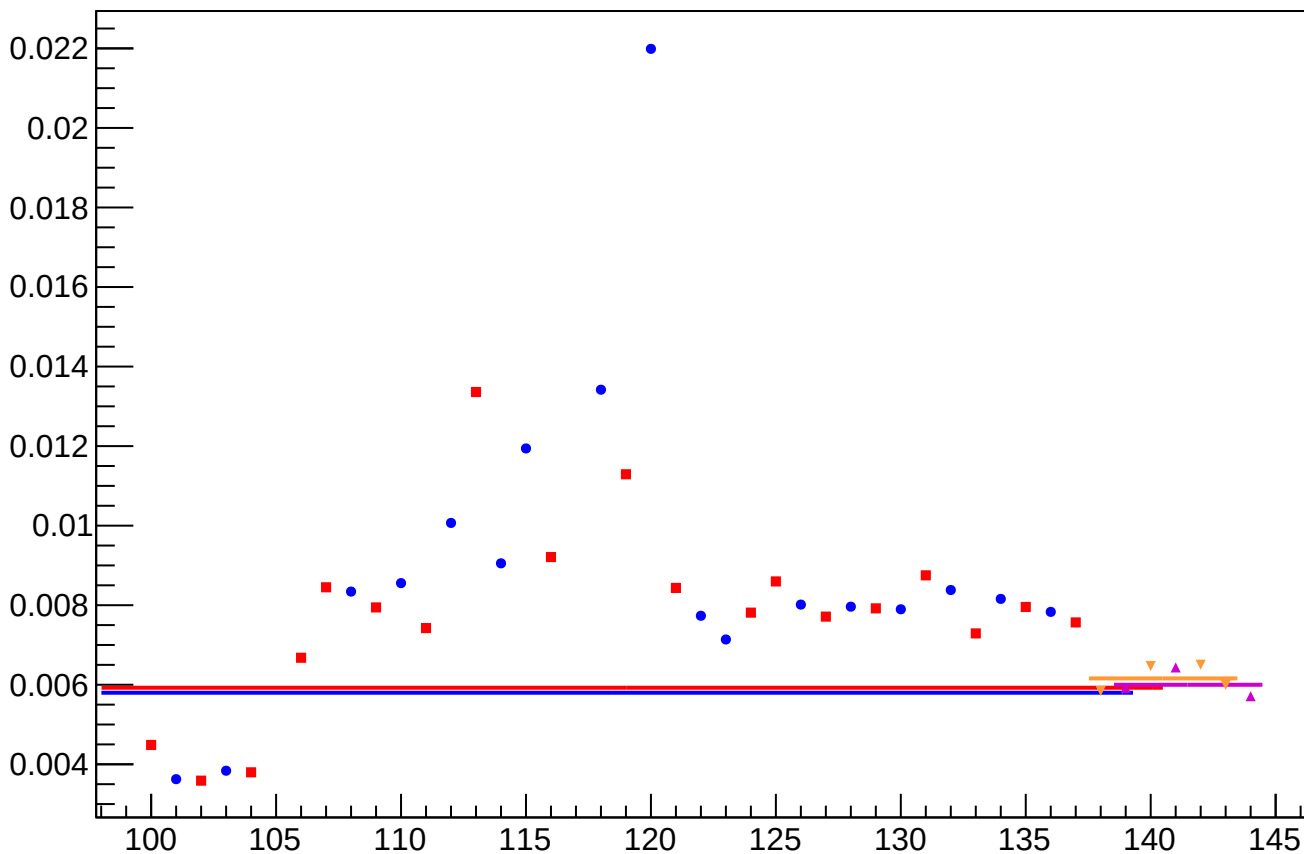
Right: 1.659+/-0.000 χ^2/NDF : 431053573295.4/35

In: 1.360+/-0.000 χ^2/NDF : 235316490258.1/19

Out: 1.424+/-0.000 χ^2/NDF : 269350974440.6/22

All: 1.393+/-0.000 χ^2/NDF : 505099673297.3

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 :9594.8/3

Right Out: 0.006+/-0.000 χ^2/NDF : 1677224.2/18

Left In: 0.006+/-0.000 χ^2/NDF :11037.9/2

Left: 0.006+/-0.000 χ^2/NDF : 22123.0/6

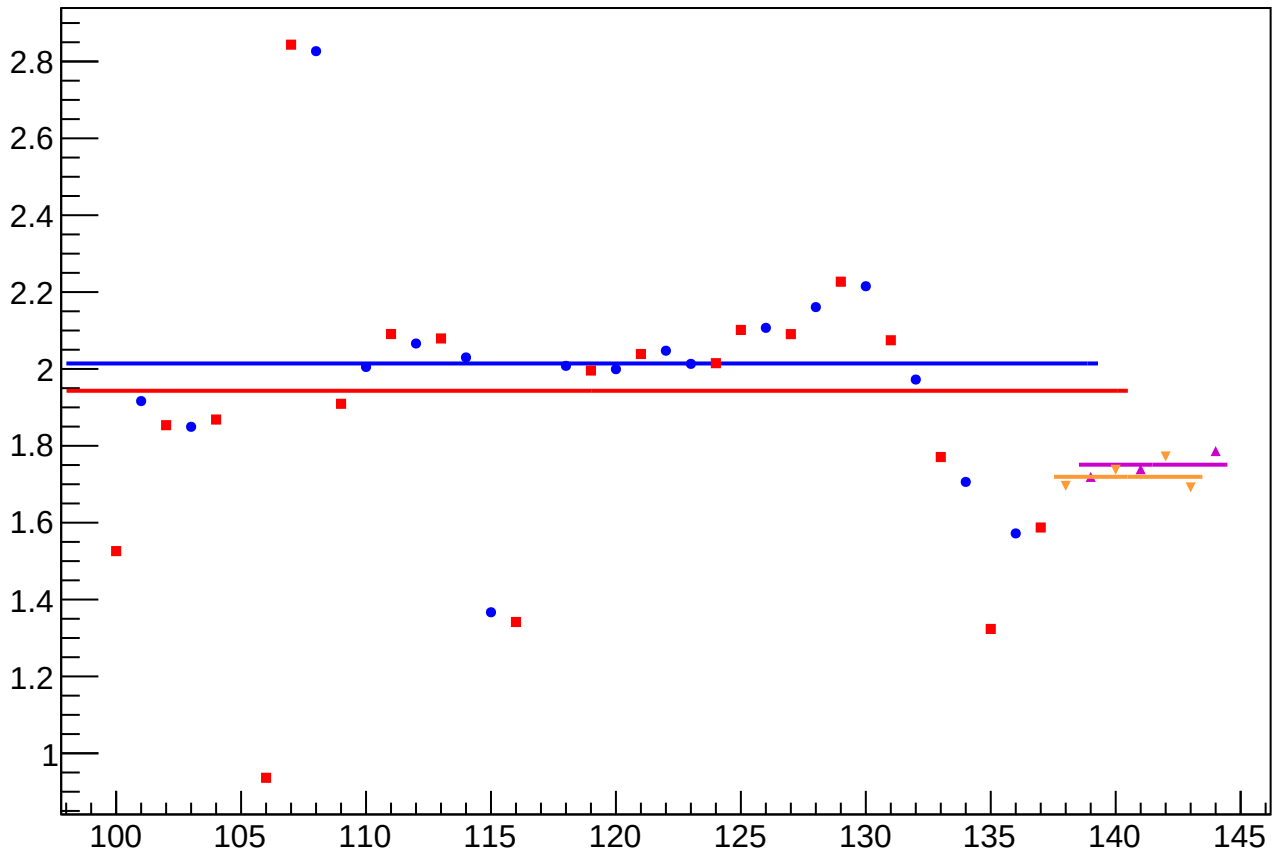
Right: 0.006+/-0.000 χ^2/NDF : 3590939.0/35

In: 0.006+/-0.000 χ^2/NDF :1925729.5/19

Out: 0.006+/-0.000 χ^2/NDF :1691470.6/22

All: 0.006+/-0.000 χ^2/NDF : 3620830.7/42

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.014+/-0.000 χ^2/NDF : 12207088036.2/16

Left Out: 1.719+/-0.000 χ^2/NDF : 32170528.2/3

Right Out: 1.943+/-0.000 χ^2/NDF : 21416554404.5/18

Left In: 1.751+/-0.000 χ^2/NDF : 25726453.0/2

Left: 1.734+/-0.000 χ^2/NDF : 75142640.7/6

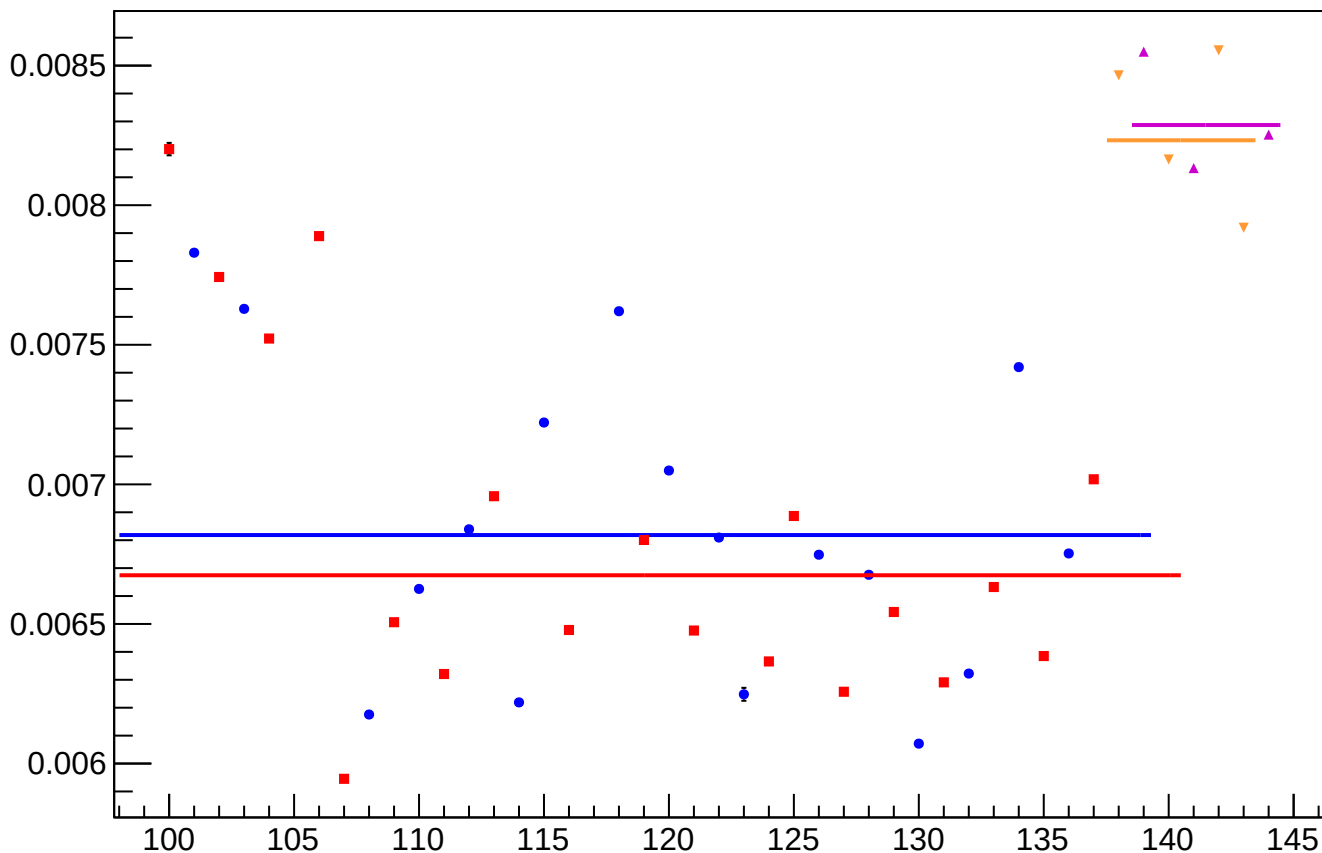
Right: 1.977+/-0.000 χ^2/NDF : 33985983843.8/35

In: 1.963+/-0.000 χ^2/NDF : 14086523376.3/19

Out: 1.900+/-0.000 χ^2/NDF : 22913570606.4/22

All: 1.930+/-0.000 χ^2/NDF : 37348259351.8/4

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 :4245.2/3

Right Out: 0.007+/-0.000 χ^2/NDF : 76755.5/18

Left In: 0.008+/-0.000 χ^2/NDF :1838.4/2

Left: 0.008+/-0.000 χ^2/NDF : 6187.0/6

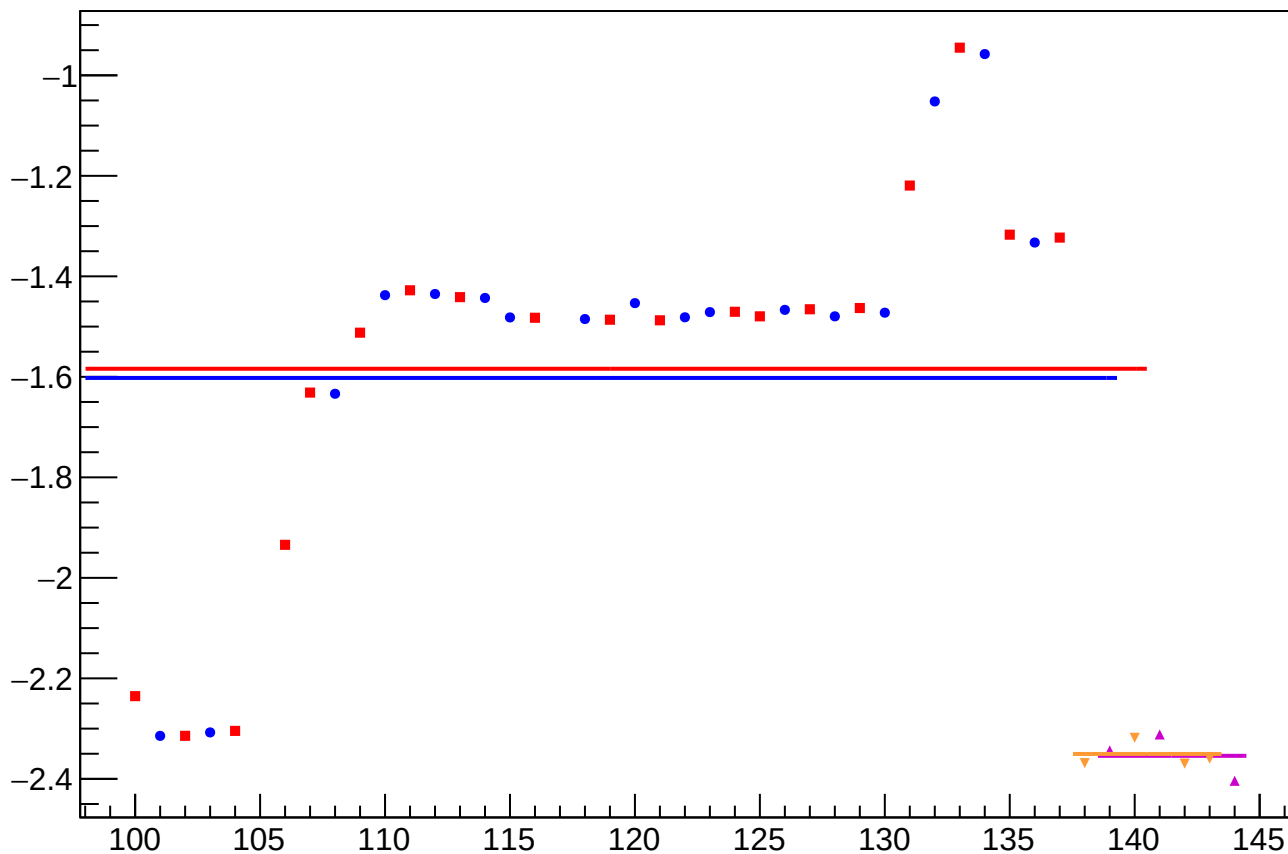
Right: 0.007+/-0.000 χ^2/NDF : 156621.0/35

In: 0.007+/-0.000 χ^2/NDF :194023.1/19

Out: 0.007+/-0.000 χ^2/NDF :222895.4/22

All: 0.007+/-0.000 χ^2/NDF : 420026.0/42

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.602+/-0.000 χ^2/NDF : 140170767010.0/16

Left Out: -2.350+/-0.000 χ^2/NDF : 148634884.7/3

Right Out: -1.584+/-0.000 χ^2/NDF : 143827090276.5/18

Left In: -2.354+/-0.000 χ^2/NDF : 467847772.8/2

Left: -2.352+/-0.000 χ^2/NDF : 618500459.8/6

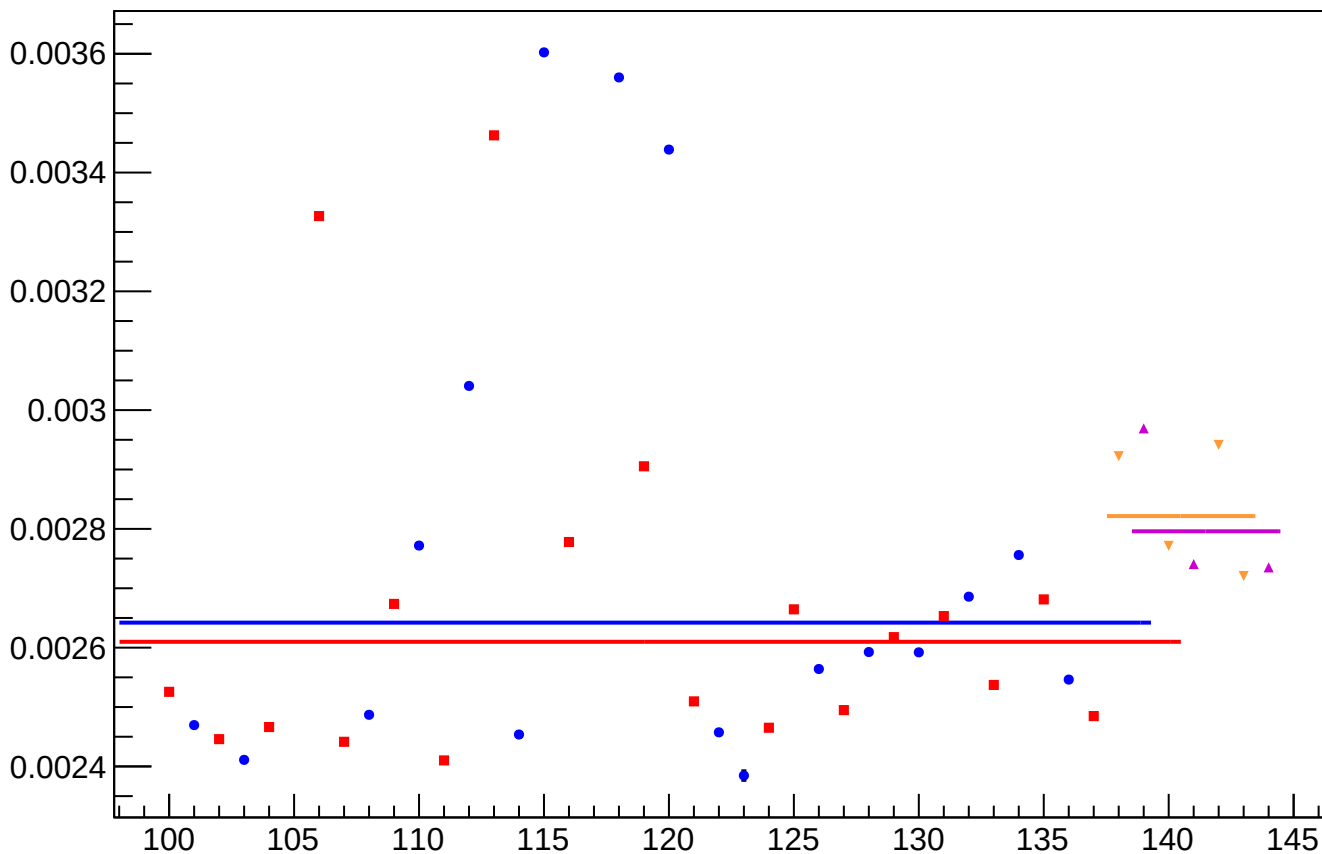
Right: -1.593+/-0.000 χ^2/NDF : 284153928526.3/35

In: -1.784+/-0.000 χ^2/NDF : 263567857496.5/19

Out: -1.765+/-0.000 χ^2/NDF : 279816196337.9/22

All: -1.774+/-0.000 χ^2/NDF : 543613719729.1

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 : 5088.2/3

Right Out: 0.003+/-0.000 χ^2/NDF : 104781.3/18

Left In: 0.003+/-0.000 χ^2/NDF : 5769.6/2

Left: 0.003+/-0.000 χ^2/NDF : 11051.3/6

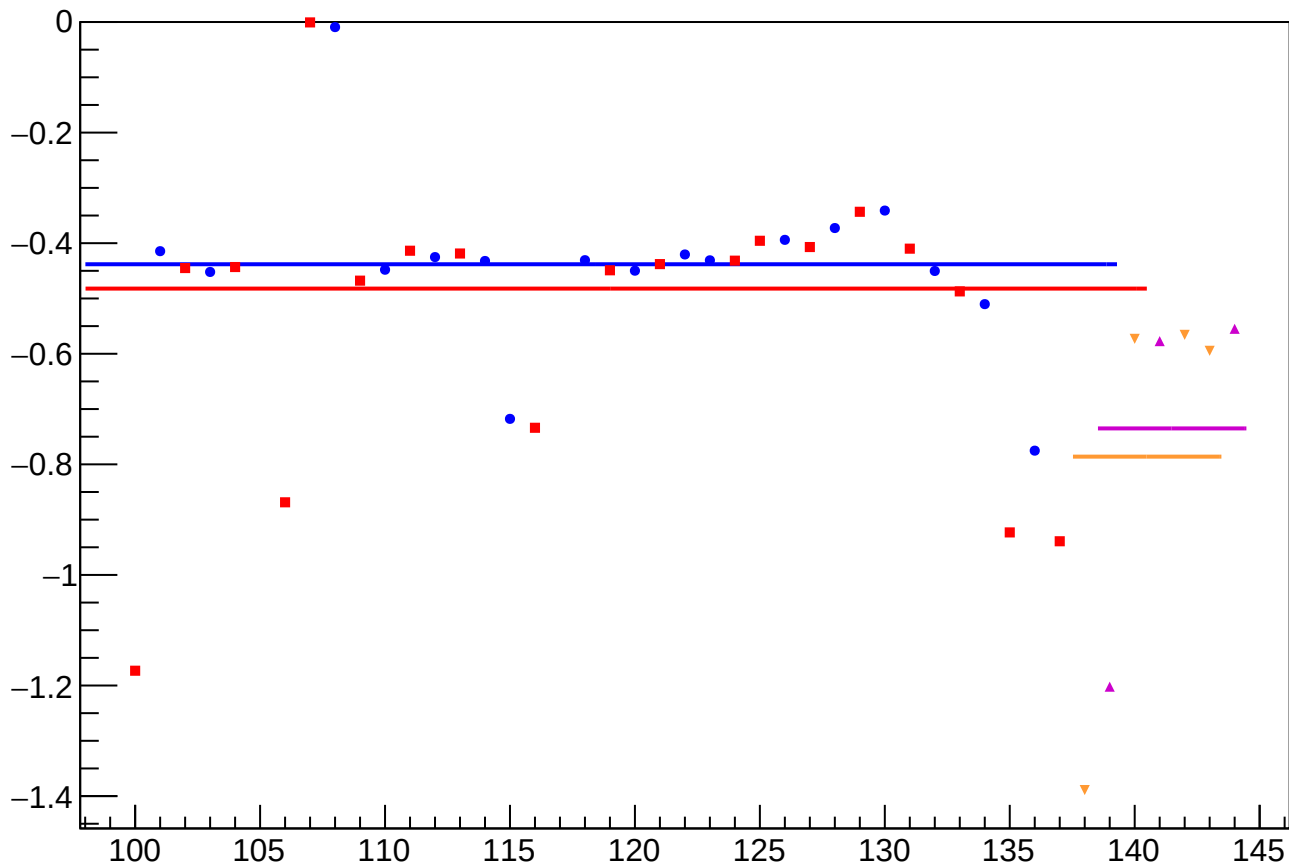
Right: 0.003+/-0.000 χ^2/NDF : 257674.4/35

In: 0.003+/-0.000 χ^2/NDF : 167970.4/19

Out: 0.003+/-0.000 χ^2/NDF : 130584.5/22

All: 0.003+/-0.000 χ^2/NDF : 299022.6/42

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.438 ± 0.000 $\chi^2/\text{NDF}: 1461198978.4/16$

Left Out: -0.786 ± 0.000 $\chi^2/\text{NDF}: 1594915261.6/3$

Right Out: -0.482 ± 0.000 $\chi^2/\text{NDF}: 2693383941.7/18$

Left In: -0.735 ± 0.000 $\chi^2/\text{NDF}: 955848829.7/2$

Left: -0.761 ± 0.000 $\chi^2/\text{NDF}: 2566954096.3/6$

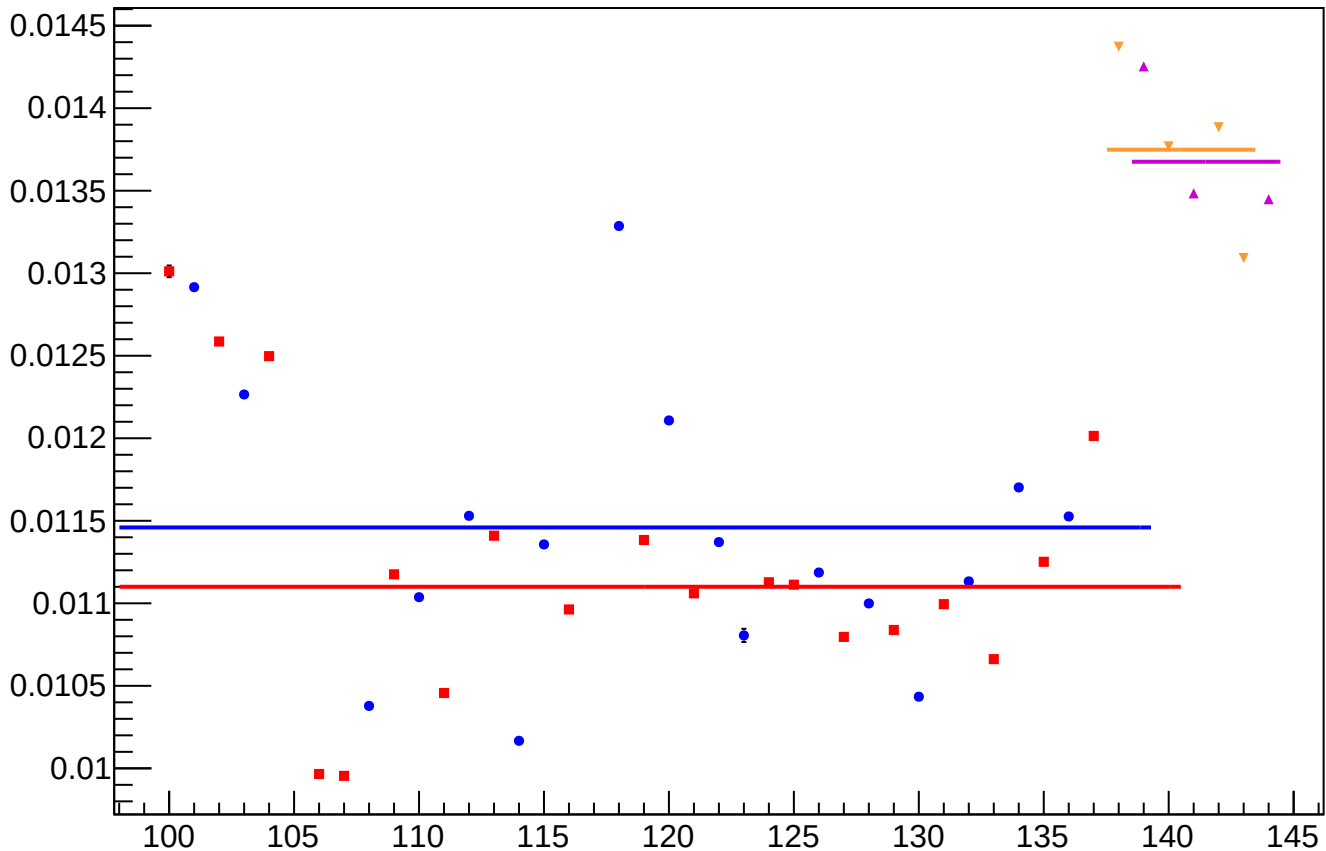
Right: -0.462 ± 0.000 $\chi^2/\text{NDF}: 4205367960.5/35$

In: -0.497 ± 0.000 $\chi^2/\text{NDF}: 3272061842.6/19$

Out: -0.539 ± 0.000 $\chi^2/\text{NDF}: 5251382649.1/22$

All: -0.519 ± 0.000 $\chi^2/\text{NDF}: 8580269084.1/4$

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 :5768.4/3

Right Out: 0.011+/-0.000 χ^2/NDF : 56096.3/18

Left In: 0.014+/-0.000 χ^2/NDF :2930.9/2

Left: 0.014+/-0.000 χ^2/NDF : 8765.6/6

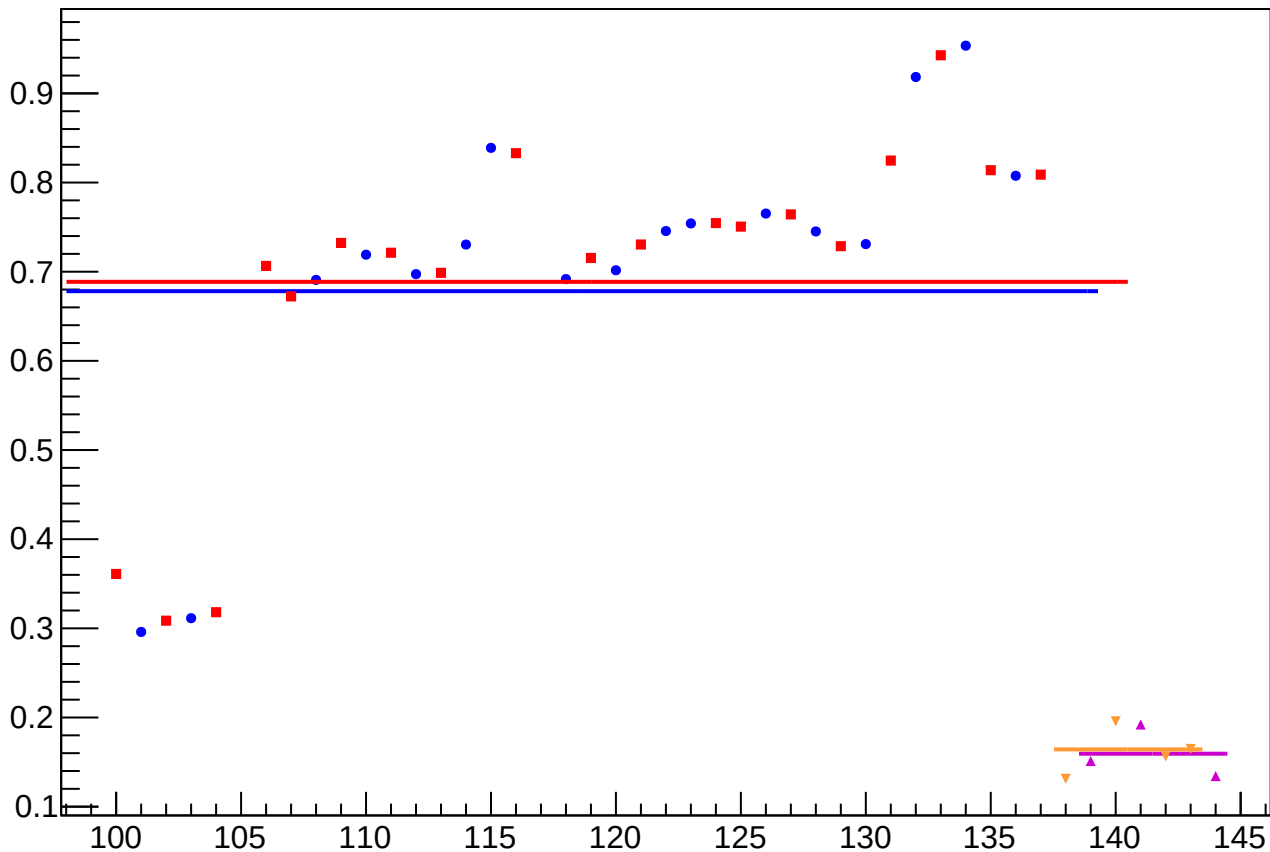
Right: 0.011+/-0.000 χ^2/NDF : 127449.6/35

In: 0.012+/-0.000 χ^2/NDF :162763.1/19

Out: 0.012+/-0.000 χ^2/NDF :208125.7/22

All: 0.012+/-0.000 χ^2/NDF : 376916.1/42

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.678 $\pm$ 0.000 χ^2/NDF : 38485337866.0/16

Left Out: 0.164 $\pm$ 0.000 χ^2/NDF : 374048873.6/3

Right Out: 0.689 $\pm$ 0.000 χ^2/NDF : 35296354242.4/18

Left In: 0.159 $\pm$ 0.000 χ^2/NDF : 345097983.1/2

Left: 0.162 $\pm$ 0.000 χ^2/NDF : 725857471.6/6

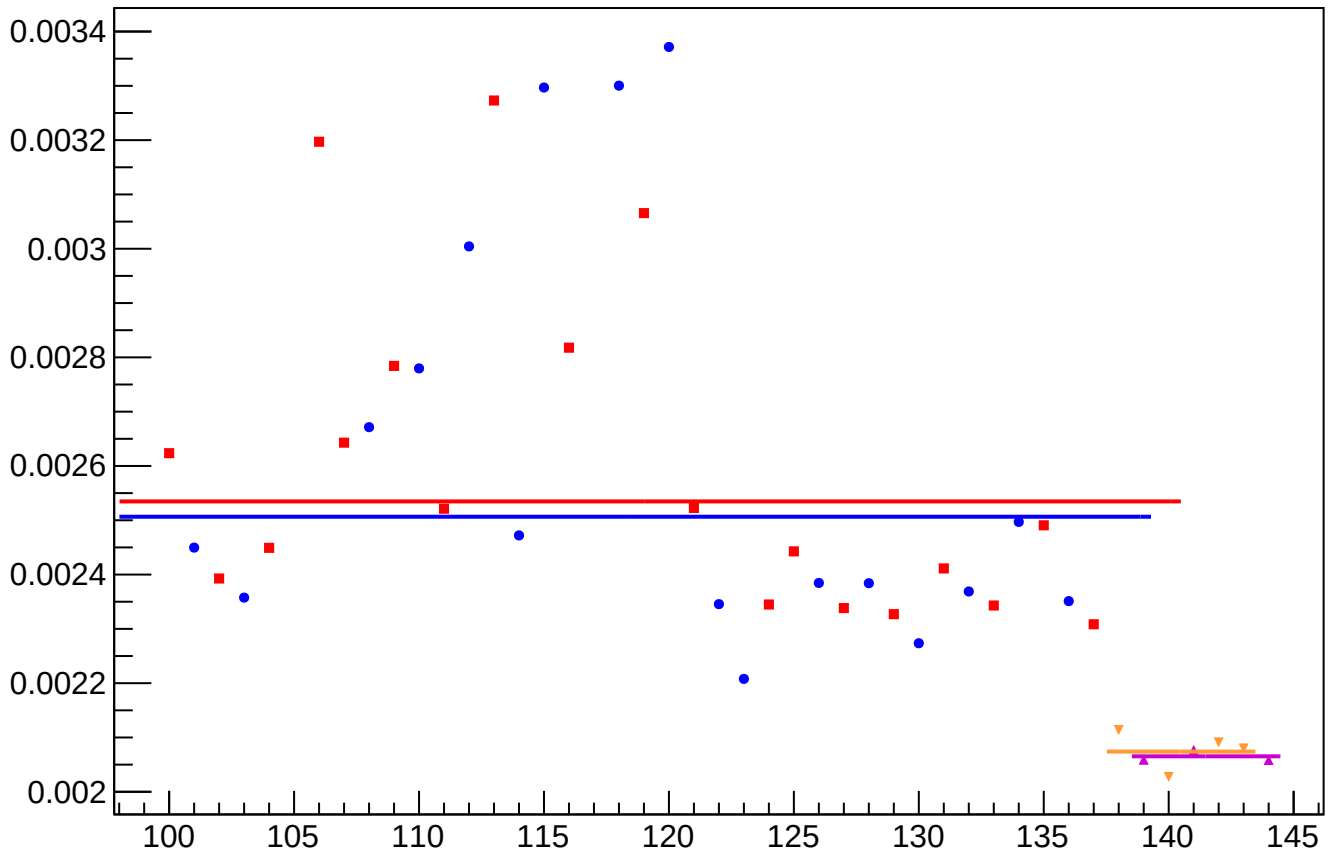
Right: 0.683 $\pm$ 0.000 χ^2/NDF : 73838176834.0/35

In: 0.494 $\pm$ 0.000 χ^2/NDF : 135143047697.4/19

Out: 0.496 $\pm$ 0.000 χ^2/NDF : 140897709813.8/22

All: 0.495 $\pm$ 0.000 χ^2/NDF : 276042030186.8

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 :1414.4/3

Right Out: 0.003+/-0.000 χ^2/NDF : 131675.7/18

Left In: 0.002+/-0.000 χ^2/NDF :86.1/2

Left: 0.002+/-0.000 χ^2/NDF : 1544.6/6

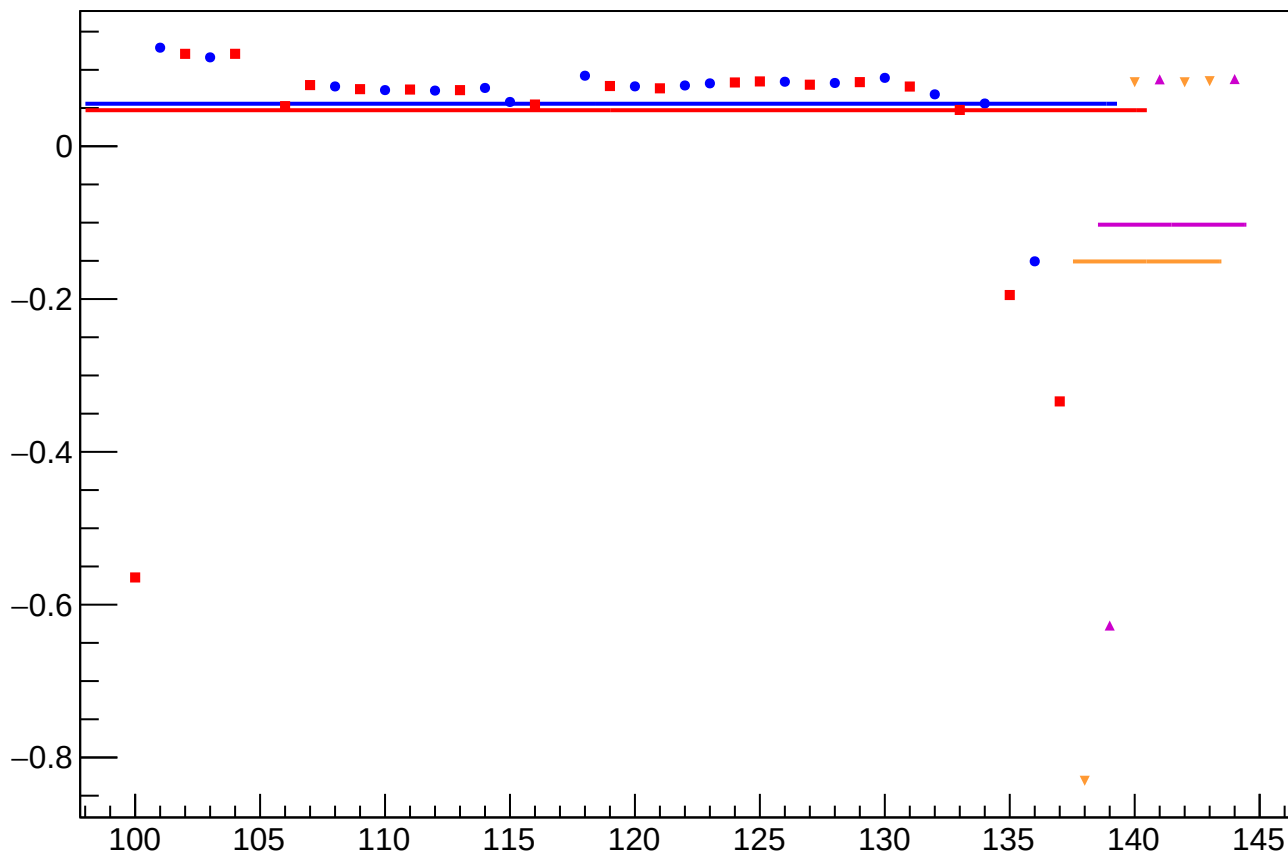
Right: 0.003+/-0.000 χ^2/NDF : 306887.9/35

In: 0.002+/-0.000 χ^2/NDF :313832.2/19

Out: 0.002+/-0.000 χ^2/NDF :295480.2/22

All: 0.002+/-0.000 χ^2/NDF : 609670.6/42

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.056+/-0.000 χ^2/NDF : 422754930.4/16

Left Out: -0.151+/-0.000 χ^2/NDF : 2515718830.5/3

Right Out: 0.047+/-0.000 χ^2/NDF : 819330612.8/18

Left In: -0.103+/-0.000 χ^2/NDF : 1486701366.3/2

Left: -0.127+/-0.000 χ^2/NDF : 4020140785.2/6

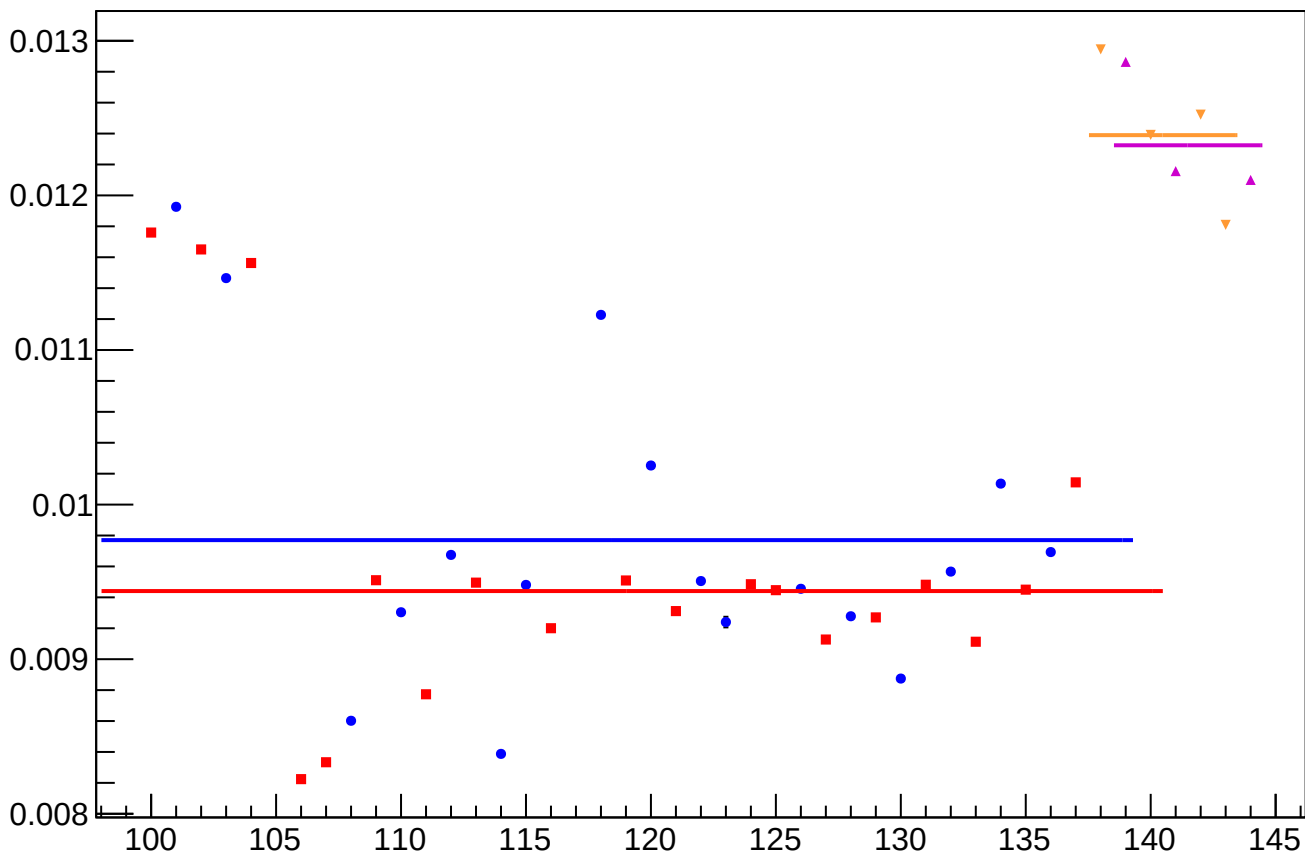
Right: 0.051+/-0.000 χ^2/NDF : 1244662333.3/35

In: 0.027+/-0.000 χ^2/NDF : 2214712923.0/19

Out: 0.014+/-0.000 χ^2/NDF : 3847442879.6/22

All: 0.020+/-0.000 χ^2/NDF : 6069871962.6/42

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 : 5587.3/3

Right Out: 0.009 $\pm$ 0.000 χ^2/NDF : 110651.6/18

Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 3163.5/2

Left: 0.012 $\pm$ 0.000 χ^2/NDF : 8816.6/6

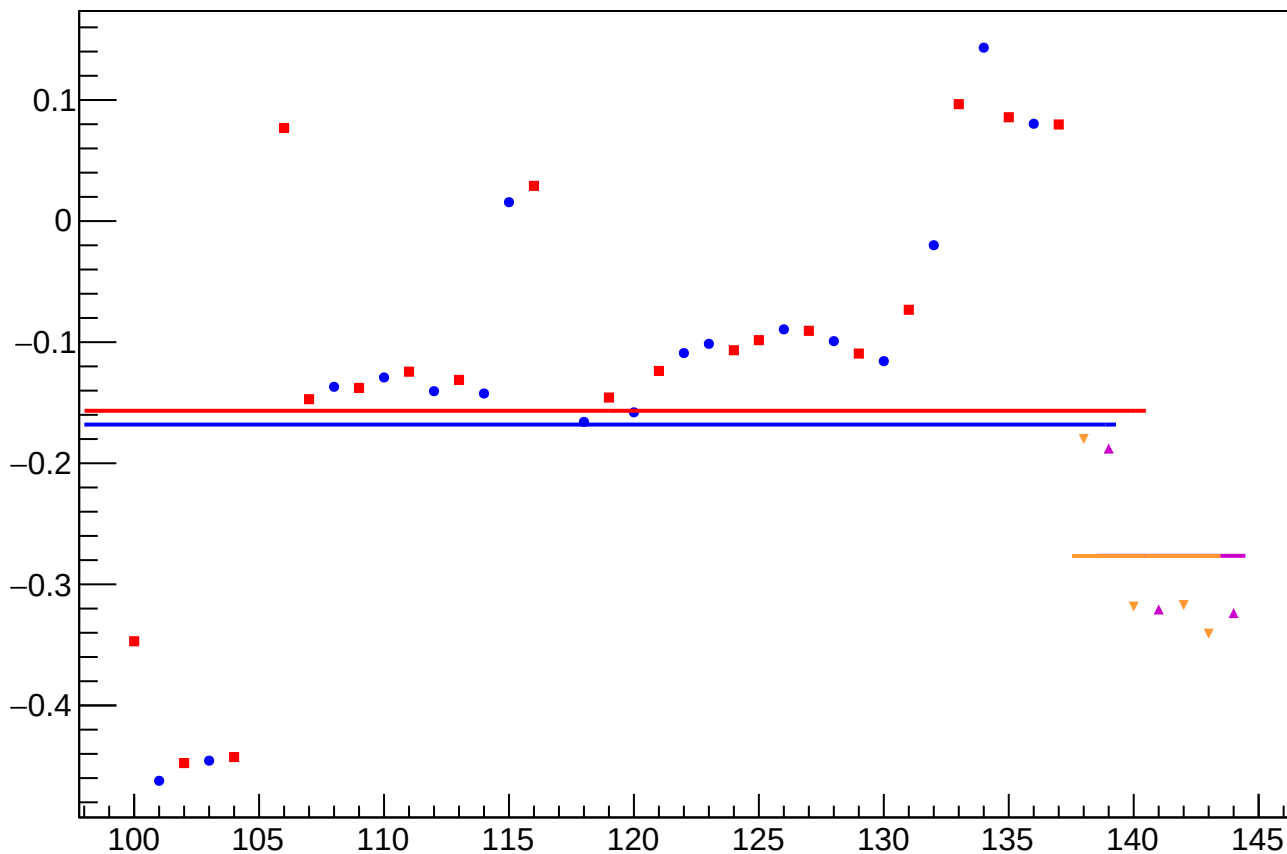
Right: 0.010 $\pm$ 0.000 χ^2/NDF : 234461.4/35

In: 0.010 $\pm$ 0.000 χ^2/NDF : 278112.7/19

Out: 0.010 $\pm$ 0.000 χ^2/NDF : 343692.8/22

All: 0.010 $\pm$ 0.000 χ^2/NDF : 629281.8/42

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.168+/-0.000 χ^2/NDF : 12330177160.8/16

Left Out: -0.277+/-0.000 χ^2/NDF : 1333416213.7/3

Right Out: -0.157+/-0.000 χ^2/NDF : 11031837915.5/18

Left In: -0.276+/-0.000 χ^2/NDF : 1084178167.7/2

Left: -0.277+/-0.000 χ^2/NDF : 2417598391.7/6

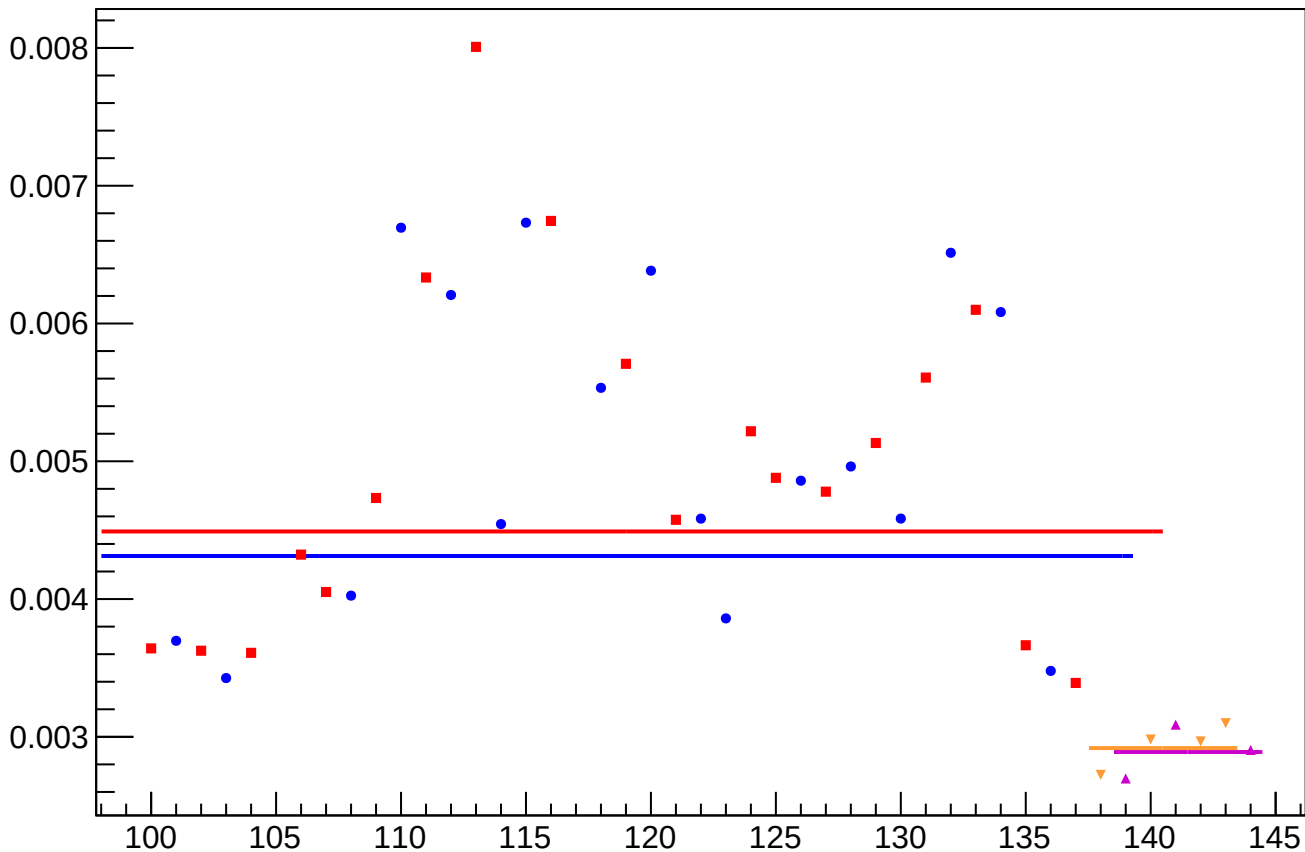
Right: -0.162+/-0.000 χ^2/NDF : 23382079796.3/35

In: -0.218+/-0.000 χ^2/NDF : 15100646244.0/19

Out: -0.214+/-0.000 χ^2/NDF : 14463857488.0/22

All: -0.216+/-0.000 χ^2/NDF : 29570552285.5

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 :11901.1/3

Right Out: 0.004+/-0.000 χ^2/NDF : 639258.5/18

Left In: 0.003+/-0.000 χ^2/NDF :13109.1/2

Left: 0.003+/-0.000 χ^2/NDF : 25234.6/6

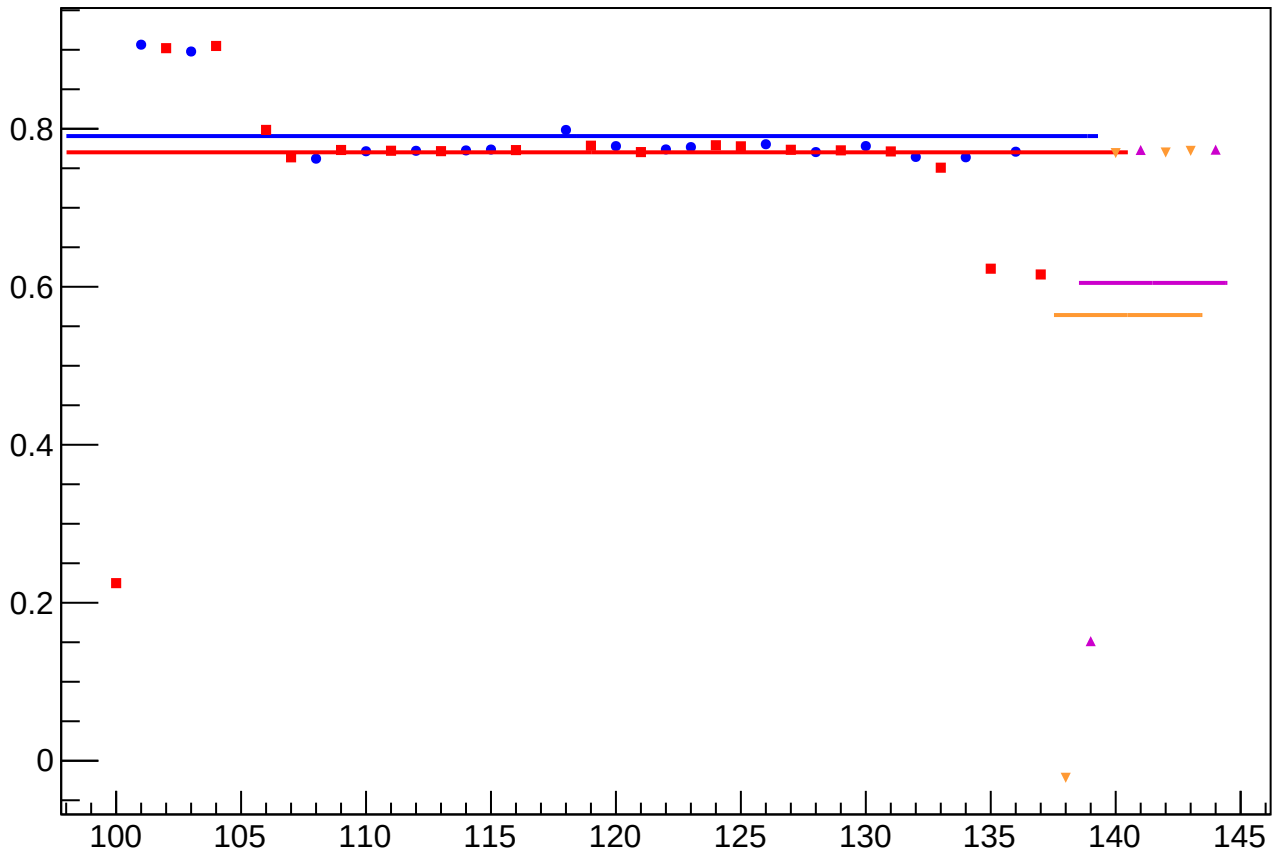
Right: 0.004+/-0.000 χ^2/NDF : 1267420.4/35

In: 0.004+/-0.000 χ^2/NDF :1212665.0/19

Out: 0.004+/-0.000 χ^2/NDF :1372268.7/22

All: 0.004+/-0.000 χ^2/NDF : 2589601.6/42

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.791+/-0.000 χ^2/NDF : 106680493.2/16

Left Out: 0.564+/-0.000 χ^2/NDF : 2046968151.0/3

Right Out: 0.770+/-0.000 χ^2/NDF : 375430167.7/18

Left In: 0.605+/-0.000 χ^2/NDF : 1216737358.8/2

Left: 0.584+/-0.000 χ^2/NDF : 3277294833.2/6

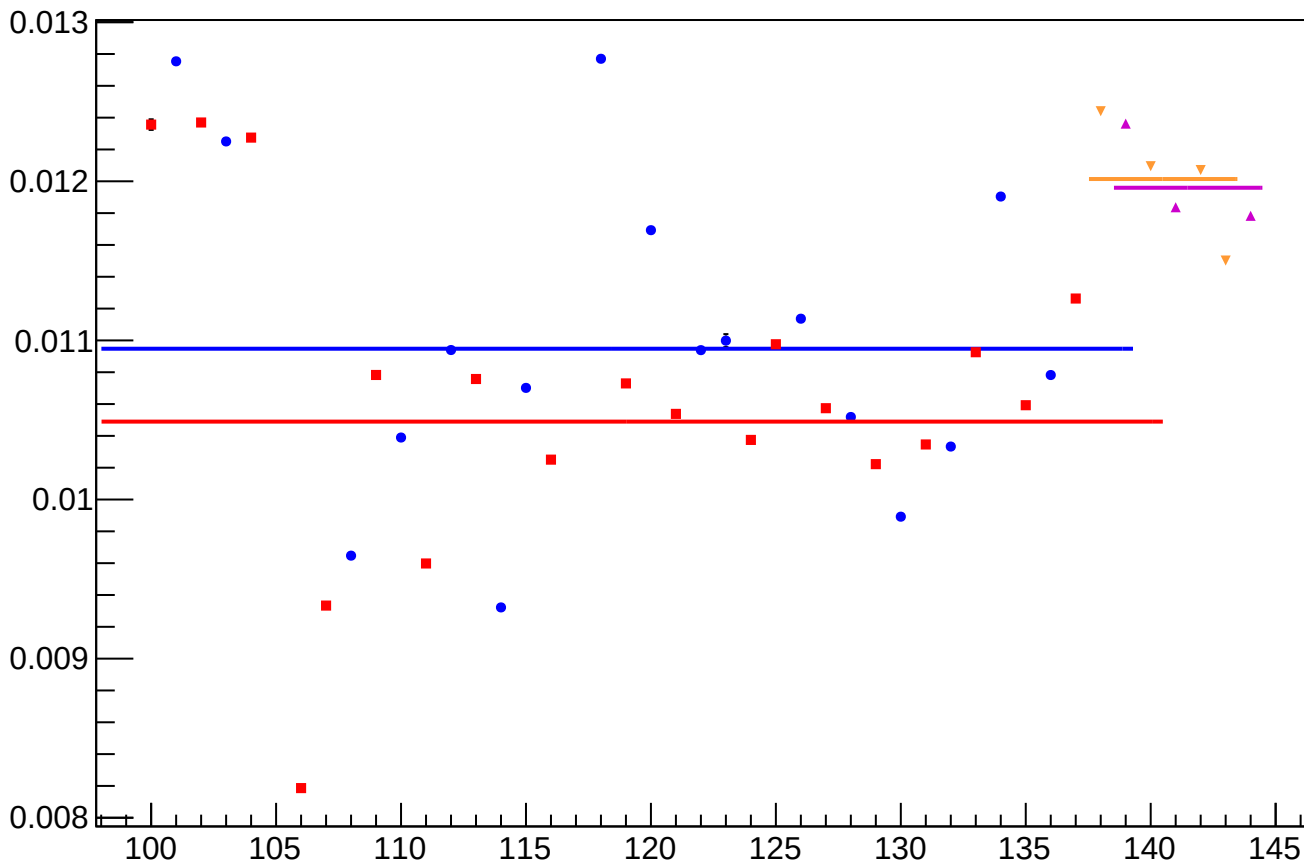
Right: 0.780+/-0.000 χ^2/NDF : 494308734.2/35

In: 0.748+/-0.000 χ^2/NDF : 1747501692.7/19

Out: 0.726+/-0.000 χ^2/NDF : 2988004228.2/22

All: 0.736+/-0.000 χ^2/NDF : 4753306164.7/42

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 98019.2/16

Left Out: 0.012+/-0.000 χ^2/NDF : 4182.9/3

Right Out: 0.010+/-0.000 χ^2/NDF : 119502.0/18

Left In: 0.012+/-0.000 χ^2/NDF : 1939.3/2

Left: 0.012+/-0.000 χ^2/NDF : 6171.7/6

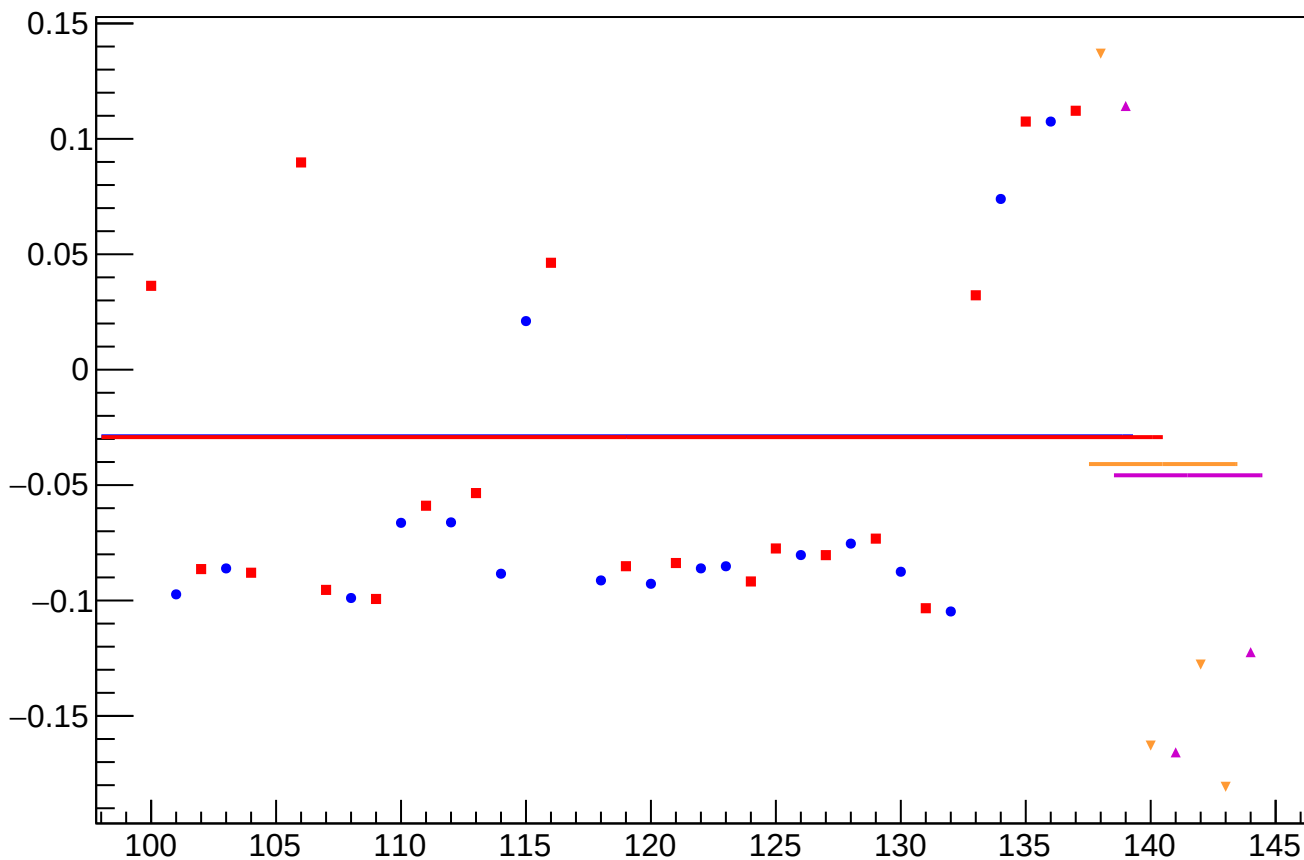
Right: 0.011+/-0.000 χ^2/NDF : 229626.3/35

In: 0.011+/-0.000 χ^2/NDF : 125086.7/19

Out: 0.011+/-0.000 χ^2/NDF : 185655.9/22

All: 0.011+/-0.000 χ^2/NDF : 320601.5/42

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.000 χ^2/NDF : 2444911330.9/16

Left Out: -0.041+/-0.000 χ^2/NDF : 4348181793.0/3

Right Out: -0.029+/-0.000 χ^2/NDF : 2120368017.0/18

Left In: -0.046+/-0.000 χ^2/NDF : 2982265407.5/2

Left: -0.043+/-0.000 χ^2/NDF : 7332768791.8/6

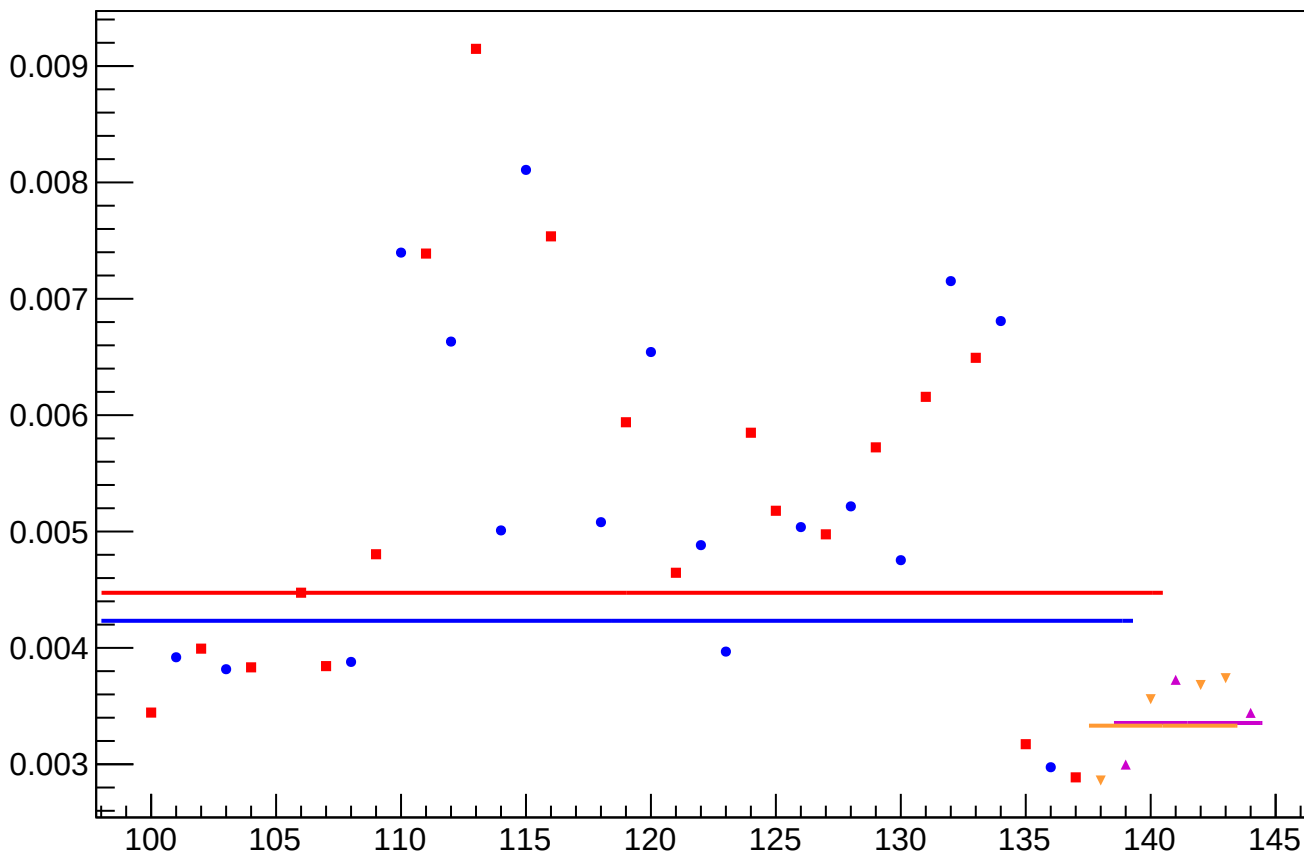
Right: -0.029+/-0.000 χ^2/NDF : 4565297950.1/35

In: -0.035+/-0.000 χ^2/NDF : 5460559357.1/19

Out: -0.034+/-0.000 χ^2/NDF : 6484801881.4/22

All: -0.035+/-0.000 χ^2/NDF : 11945823965.9/

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 :61995.0/3

Right Out: 0.004+/-0.000 χ^2/NDF : 969342.1/18

Left In: 0.003+/-0.000 χ^2/NDF :33944.9/2

Left: 0.003+/-0.000 χ^2/NDF : 96044.2/6

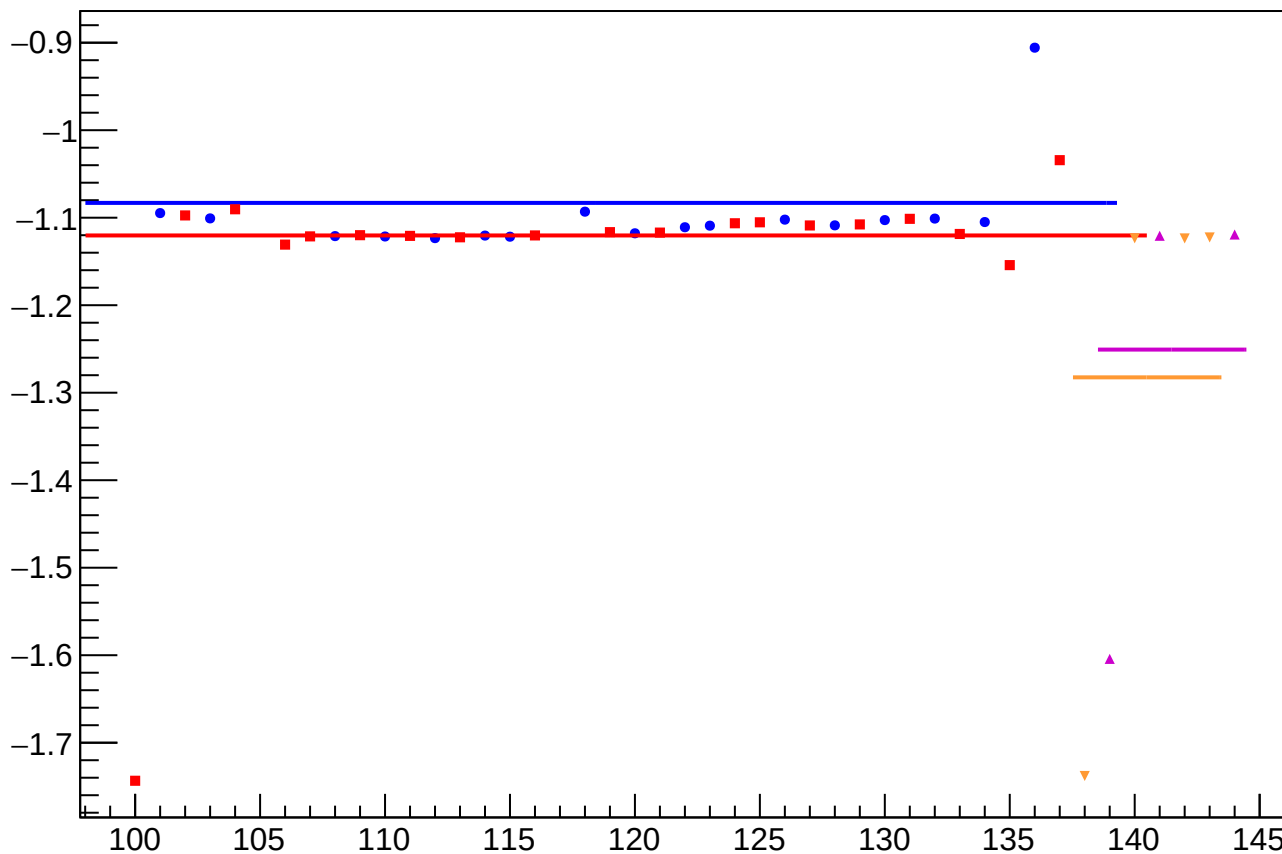
Right: 0.004+/-0.000 χ^2/NDF : 1863934.2/35

In: 0.004+/-0.000 χ^2/NDF :1091810.1/19

Out: 0.004+/-0.000 χ^2/NDF :1342697.1/22

All: 0.004+/-0.000 χ^2/NDF : 2440605.7/42

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -1.083+/-0.000 χ^2/NDF : 202851874.4/16

Left Out: -1.282+/-0.000 χ^2/NDF : 1544154065.0/3

Right Out: -1.120+/-0.000 χ^2/NDF : 220508408.4/18

Left In: -1.251+/-0.000 χ^2/NDF : 914989343.8/2

Left: -1.267+/-0.000 χ^2/NDF : 2469468601.6/6

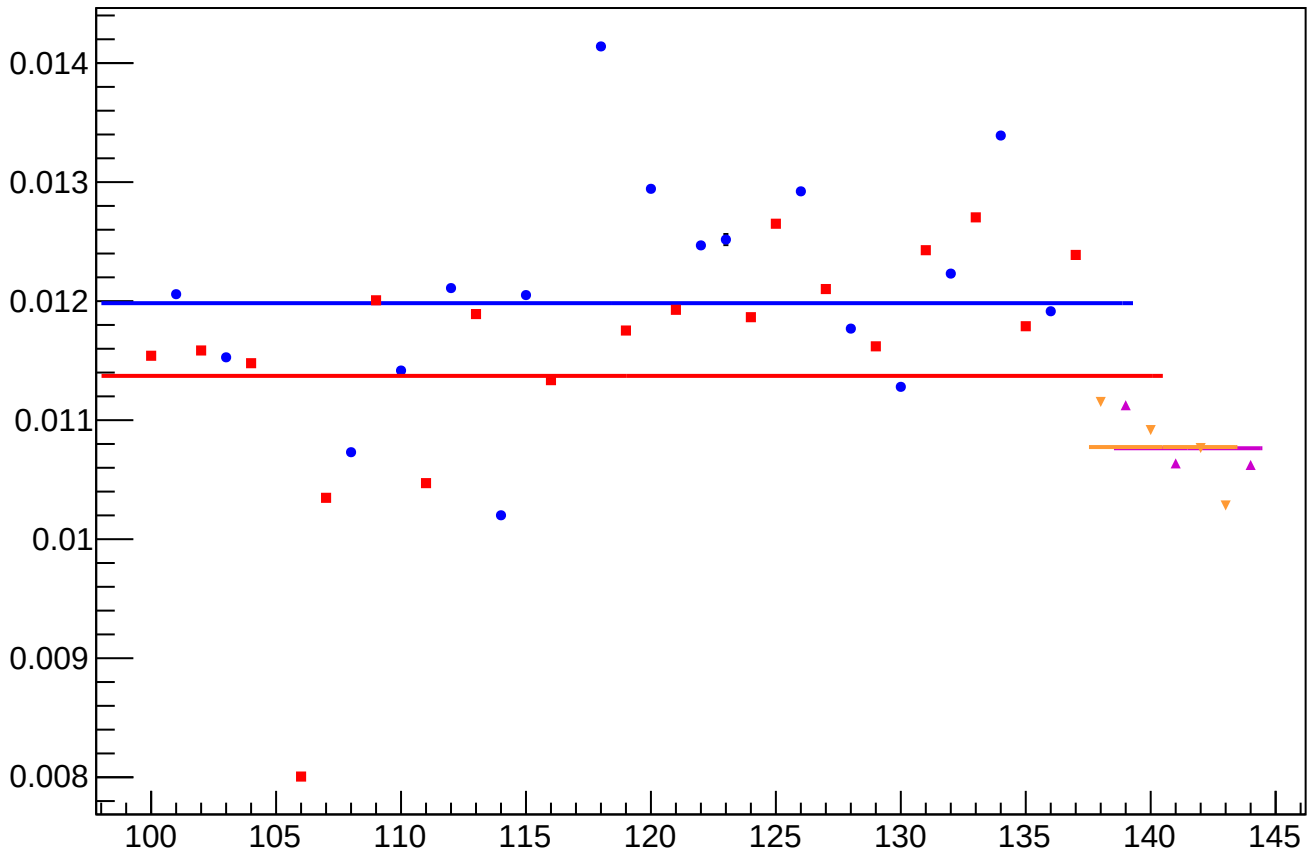
Right: -1.103+/-0.000 χ^2/NDF : 456843121.6/35

In: -1.135+/-0.000 χ^2/NDF : 1503281899.6/19

Out: -1.167+/-0.000 χ^2/NDF : 2163532346.9/22

All: -1.152+/-0.000 χ^2/NDF : 3702880716.5/4

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:4730.6/3

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 152861.8/18

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:1915.2/2

Left: 0.011 $\pm$ 0.000 χ^2 /NDF: 6647.8/6

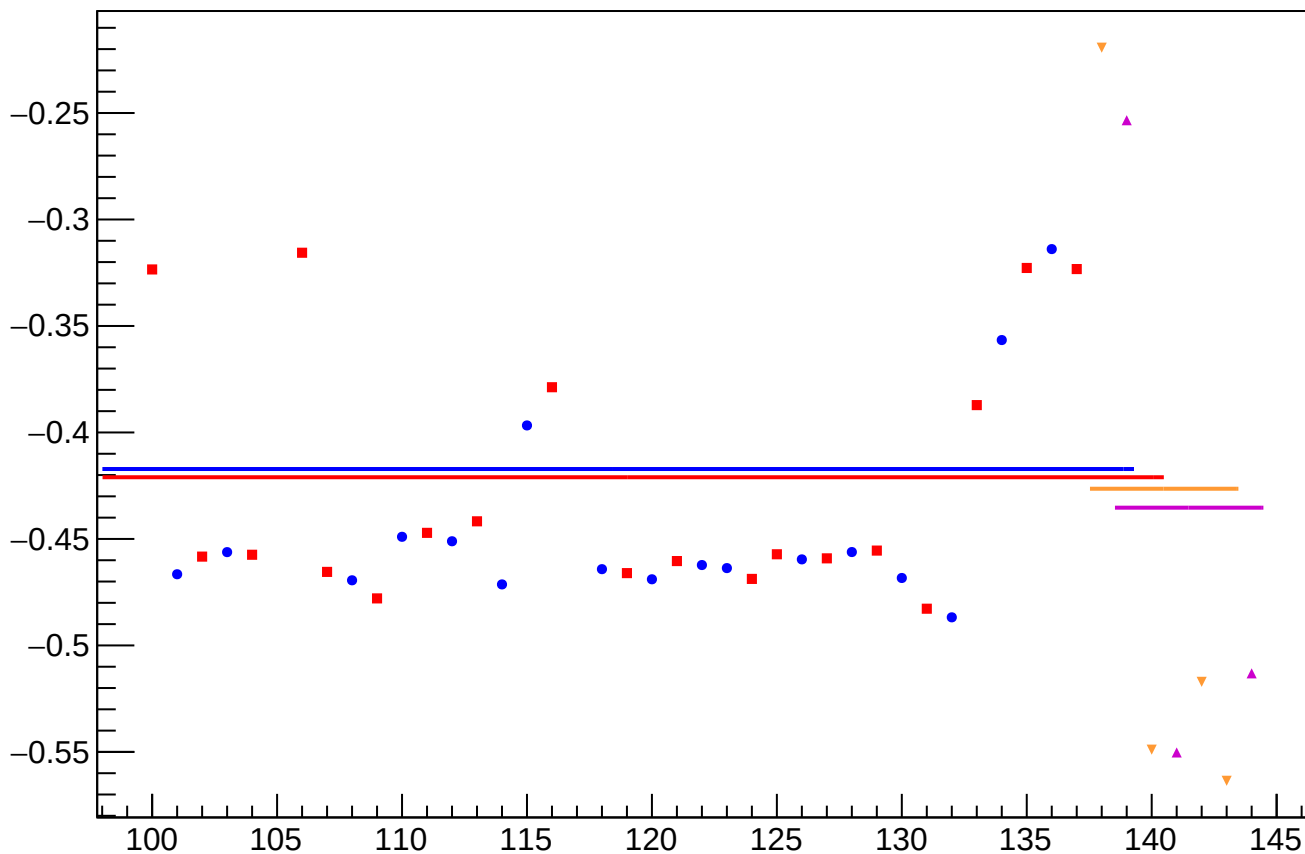
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 229751.2/35

In: 0.012 $\pm$ 0.000 χ^2 /NDF:101500.7/19

Out: 0.011 $\pm$ 0.000 χ^2 /NDF:168436.8/22

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 281441.0/42

yield_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -0.417+/-0.000 χ^2/NDF : 2038520950.9/16

Left Out: -0.426+/-0.000 χ^2/NDF : 4144455440.6/3

Right Out: -0.421+/-0.000 χ^2/NDF : 1654624022.3/18

Left In: -0.435+/-0.000 χ^2/NDF : 2766014417.5/2

Left: -0.431+/-0.000 χ^2/NDF : 6916889270.3/6

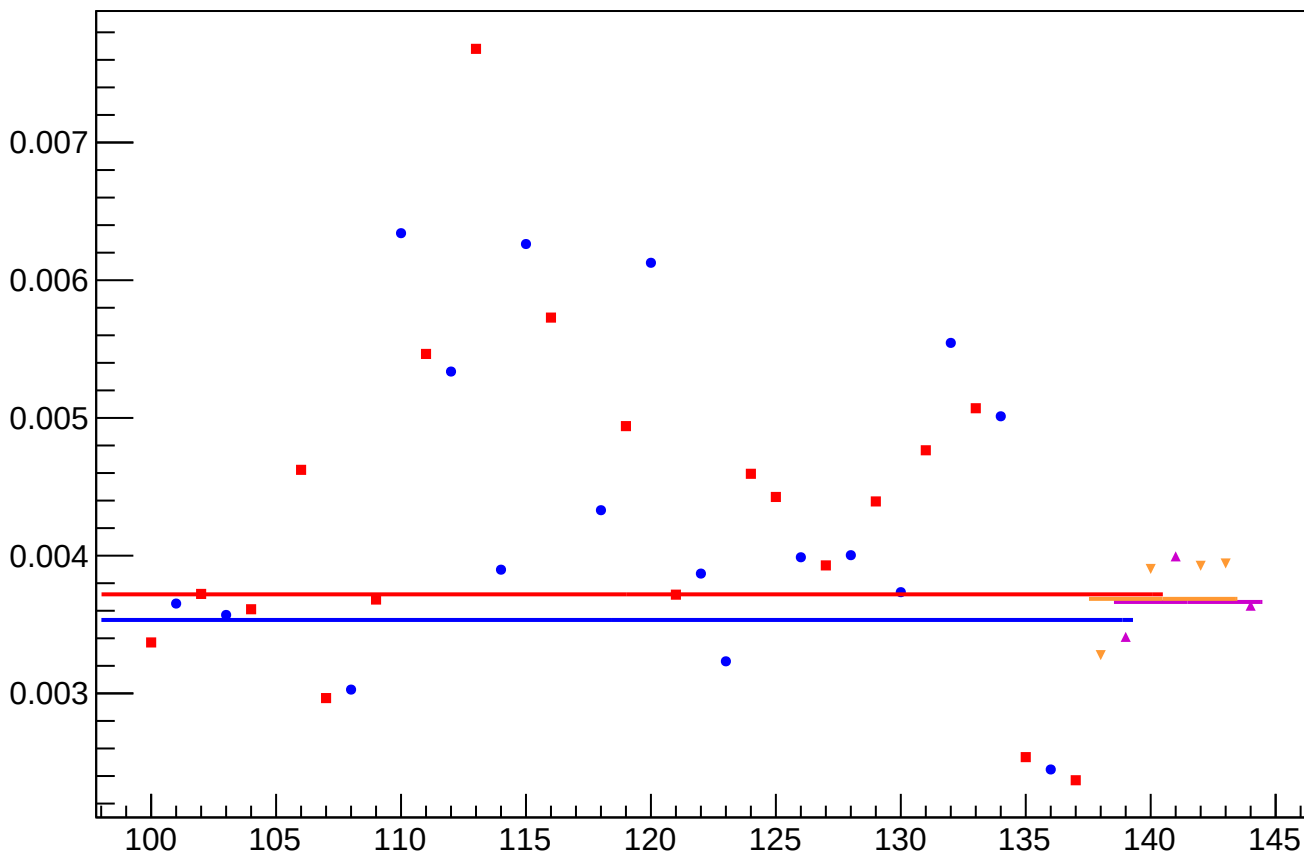
Right: -0.419+/-0.000 χ^2/NDF : 3696346160.6/35

In: -0.422+/-0.000 χ^2/NDF : 4842945111.9/19

Out: -0.423+/-0.000 χ^2/NDF : 5802543154.6/22

All: -0.422+/-0.000 χ^2/NDF : 10645565284.0/7

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:32073.5/3

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 884778.0/18

Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:17246.1/2

Left: 0.004 $\pm$ 0.000 χ^2 /NDF: 49401.0/6

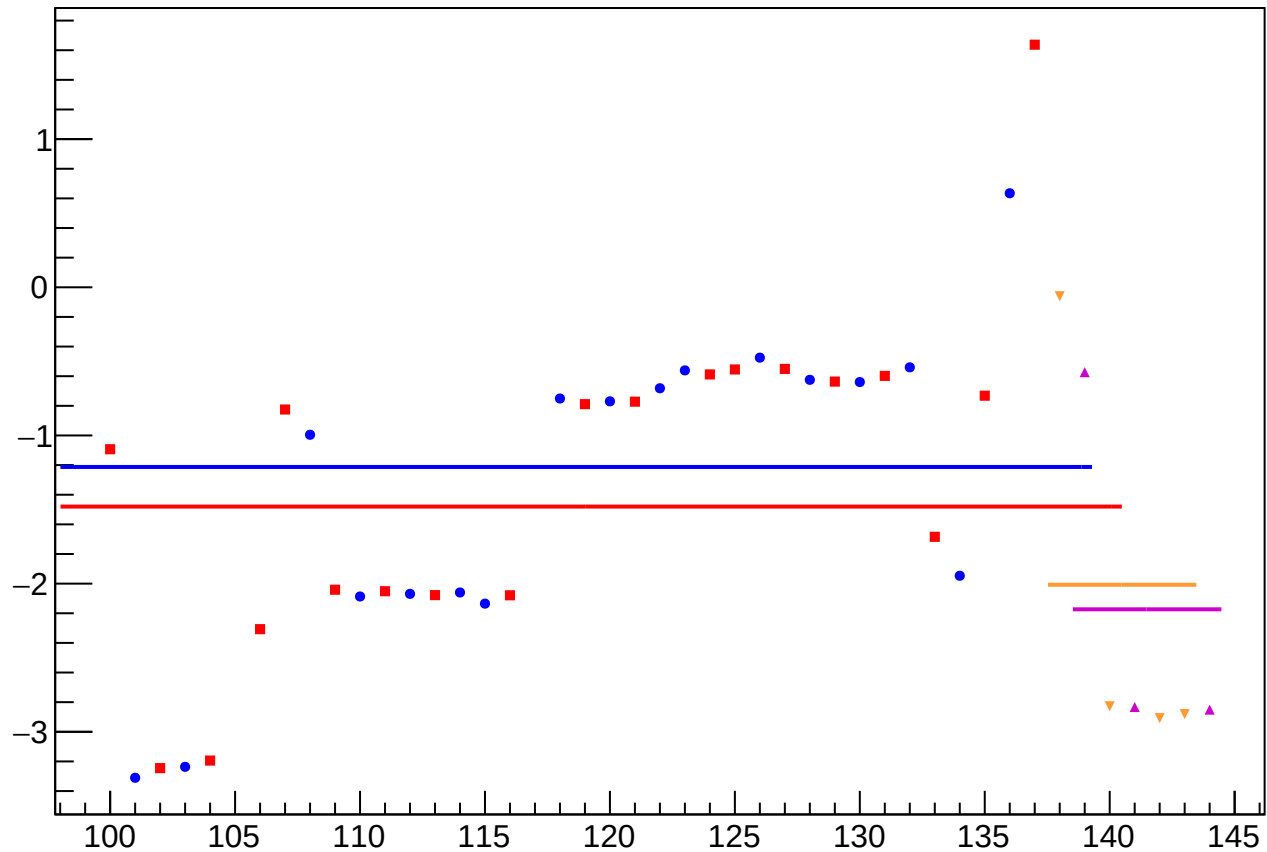
Right: 0.004 $\pm$ 0.000 χ^2 /NDF: 1731087.2/35

In: 0.004 $\pm$ 0.000 χ^2 /NDF:852726.0/19

Out: 0.004 $\pm$ 0.000 χ^2 /NDF:917107.6/22

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 1781684.6/42

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.213 ± 0.000 $\chi^2/\text{NDF}: 1991015908.7/16$

Left Out: -2.008 ± 0.000 $\chi^2/\text{NDF}: 776073363.0/3$

Right Out: -1.480 ± 0.000 $\chi^2/\text{NDF}: 1576057924.8/18$

Left In: -2.173 ± 0.000 $\chi^2/\text{NDF}: 456832960.1/2$

Left: -2.087 ± 0.000 $\chi^2/\text{NDF}: 1239017373.4/6$

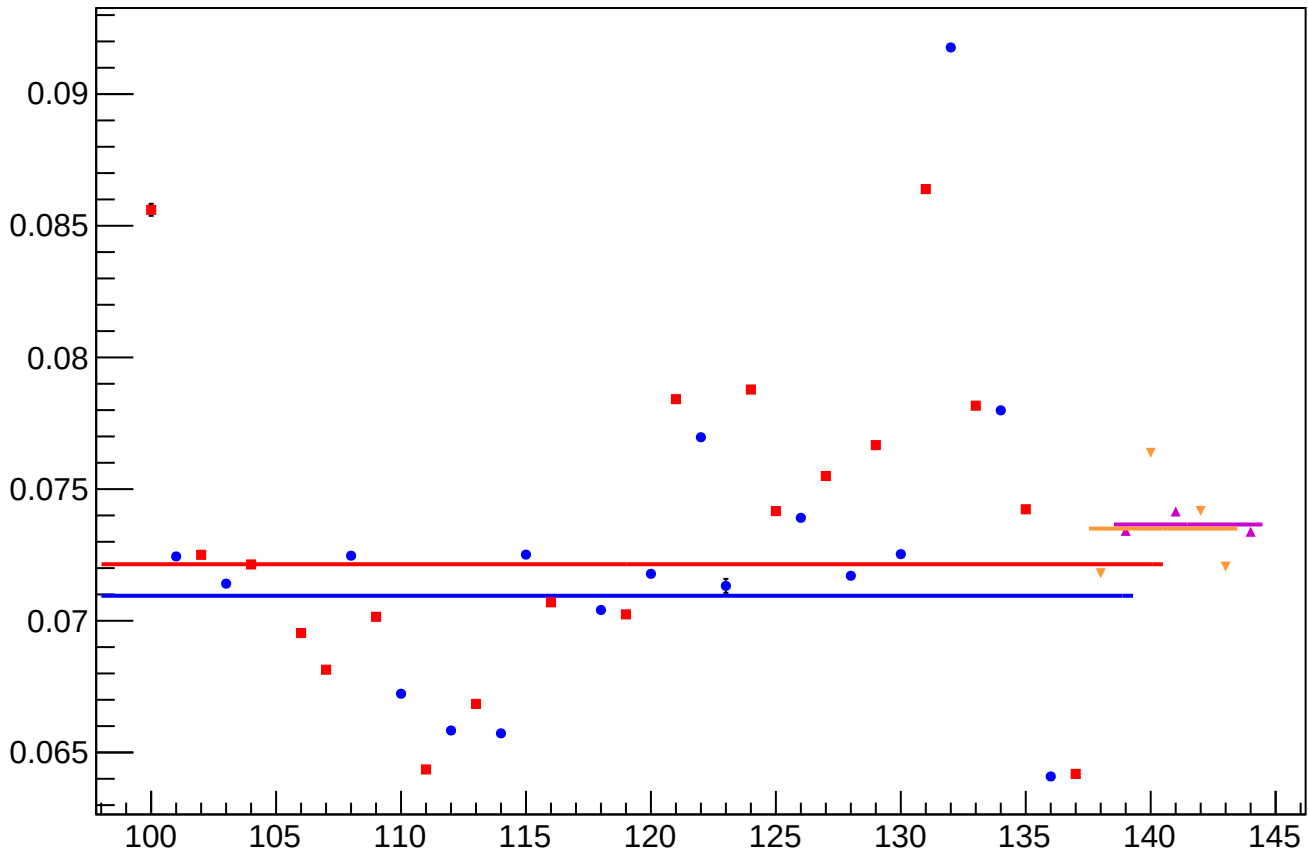
Right: -1.348 ± 0.000 $\chi^2/\text{NDF}: 3614167453.1/35$

In: -1.450 ± 0.000 $\chi^2/\text{NDF}: 2744695115.6/19$

Out: -1.616 ± 0.000 $\chi^2/\text{NDF}: 2447940265.9/22$

All: -1.535 ± 0.000 $\chi^2/\text{NDF}: 5216973627.7/4$

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.071+/-0.000 χ^2/NDF : 77148.7/16

Left Out: 0.074+/-0.000 χ^2/NDF : 3489.1/3

Right Out: 0.072+/-0.000 χ^2/NDF : 69021.6/18

Left In: 0.074+/-0.000 χ^2/NDF : 110.0/2

Left: 0.074+/-0.000 χ^2/NDF : 3609.9/6

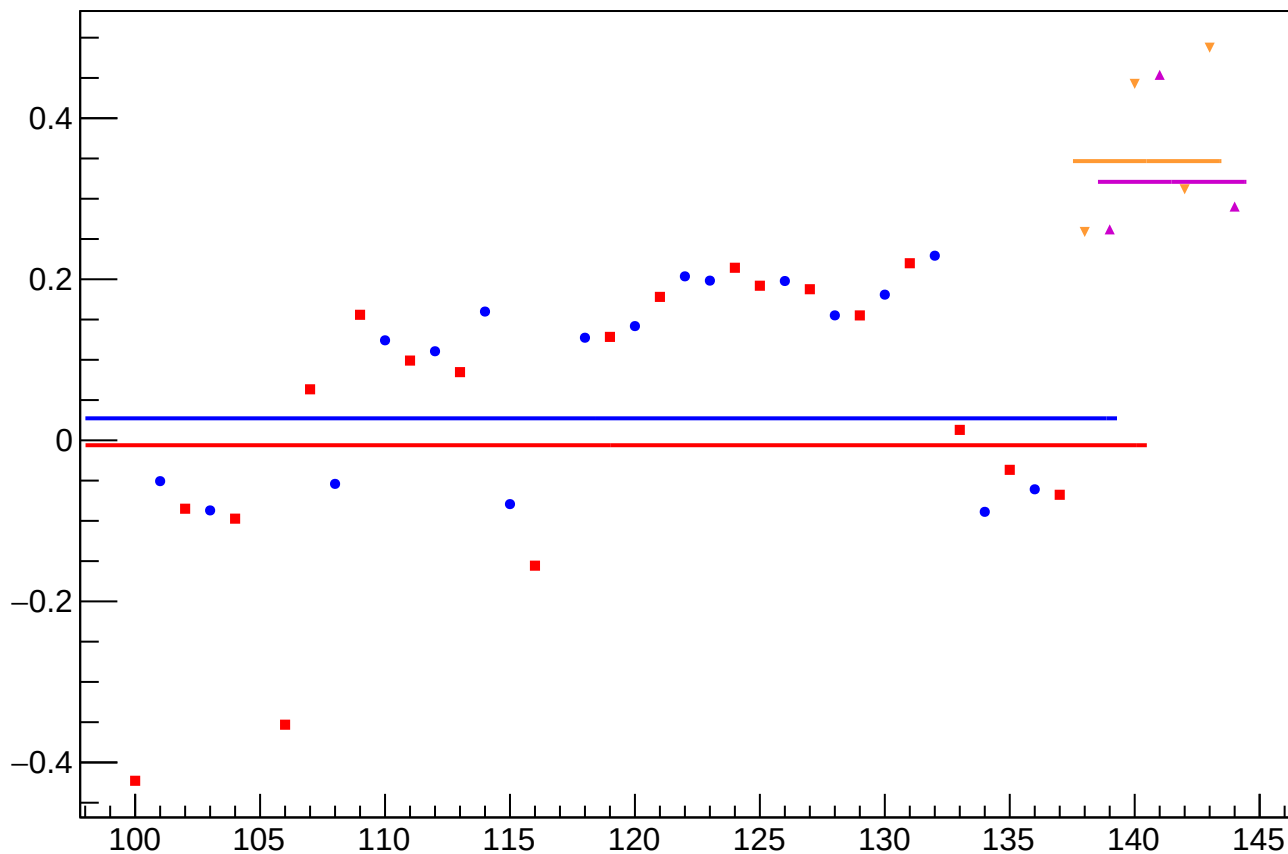
Right: 0.072+/-0.000 χ^2/NDF : 148058.9/35

In: 0.072+/-0.000 χ^2/NDF : 81968.9/19

Out: 0.072+/-0.000 χ^2/NDF : 73771.9/22

All: 0.072+/-0.000 χ^2/NDF : 157099.6/42

yield_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 0.027+/-0.000 χ^2/NDF : 562065478.3/16

Left Out: 0.347+/-0.000 χ^2/NDF : 351352424.5/3

Right Out: -0.006+/-0.000 χ^2/NDF : 1205303430.4/18

Left In: 0.321+/-0.000 χ^2/NDF : 219074770.1/2

Left: 0.335+/-0.000 χ^2/NDF : 582124014.8/6

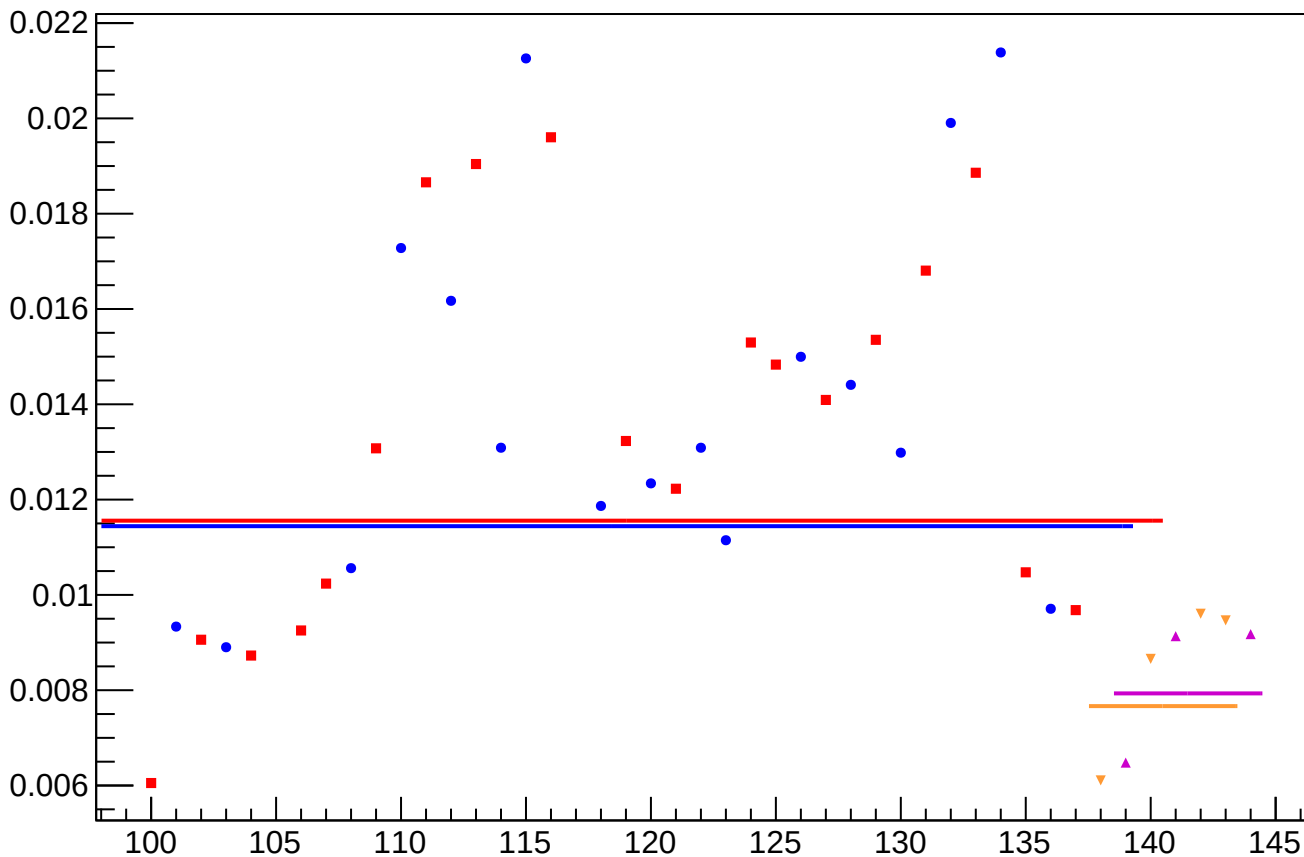
Right: 0.011+/-0.000 χ^2/NDF : 1791947690.0/35

In: 0.154+/-0.000 χ^2/NDF : 2414257815.3/19

Out: 0.155+/-0.000 χ^2/NDF : 4082540524.2/22

All: 0.155+/-0.000 χ^2/NDF : 6496839570.7/42

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 :177326.4/3

Right Out: 0.012+/-0.000 χ^2/NDF : 979298.5/18

Left In: 0.008+/-0.000 χ^2/NDF :118591.0/2

Left: 0.008+/-0.000 χ^2/NDF : 298430.7/6

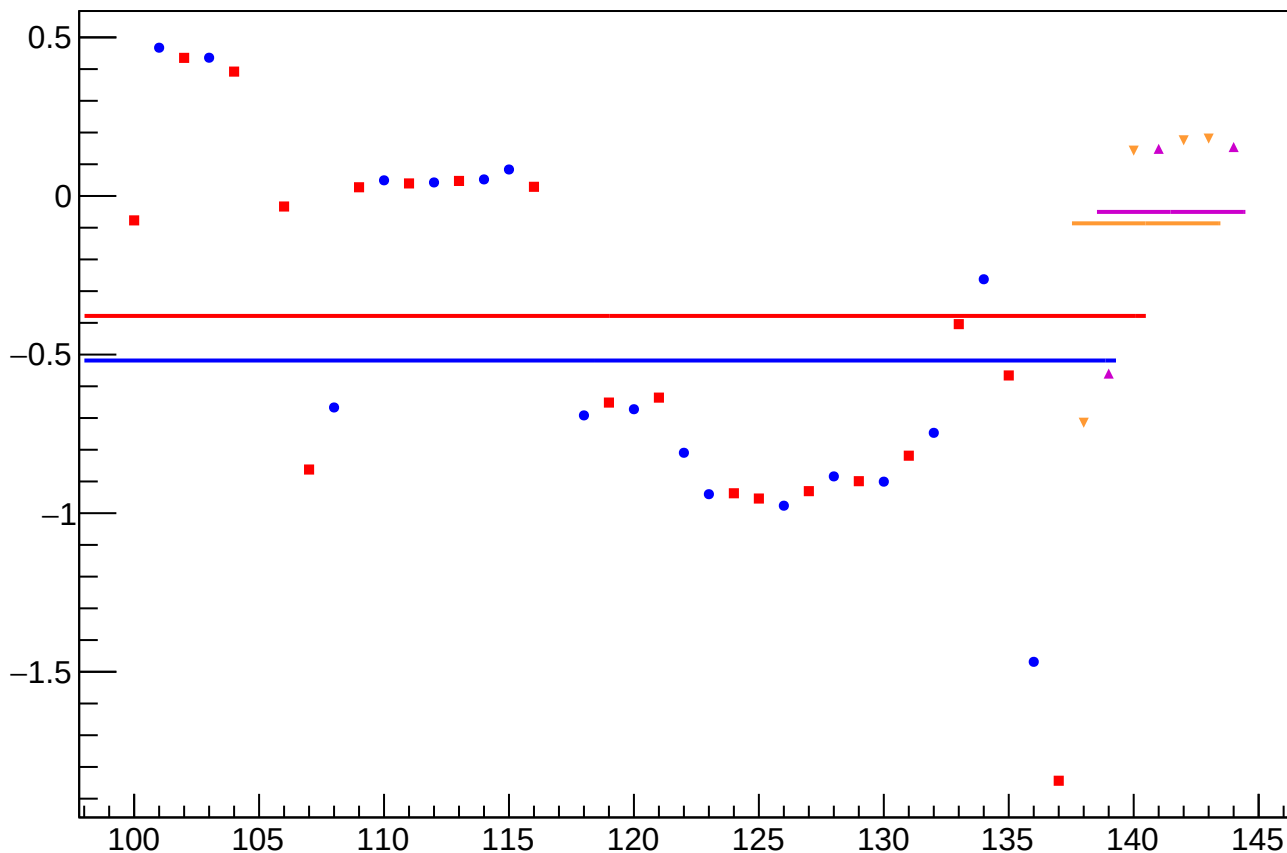
Right: 0.012+/-0.000 χ^2/NDF : 1653627.3/35

In: 0.010+/-0.000 χ^2/NDF :1258720.5/19

Out: 0.010+/-0.000 χ^2/NDF :1771304.9/22

All: 0.010+/-0.000 χ^2/NDF : 3031745.2/42

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.519+/-0.000 χ^2/NDF : 338707442.0/16

Left Out: -0.086+/-0.000 χ^2/NDF : 57109127.0/3

Right Out: -0.378+/-0.000 χ^2/NDF : 267921889.8/18

Left In: -0.050+/-0.000 χ^2/NDF : 34029548.3/2

Left: -0.069+/-0.000 χ^2/NDF : 91363284.6/6

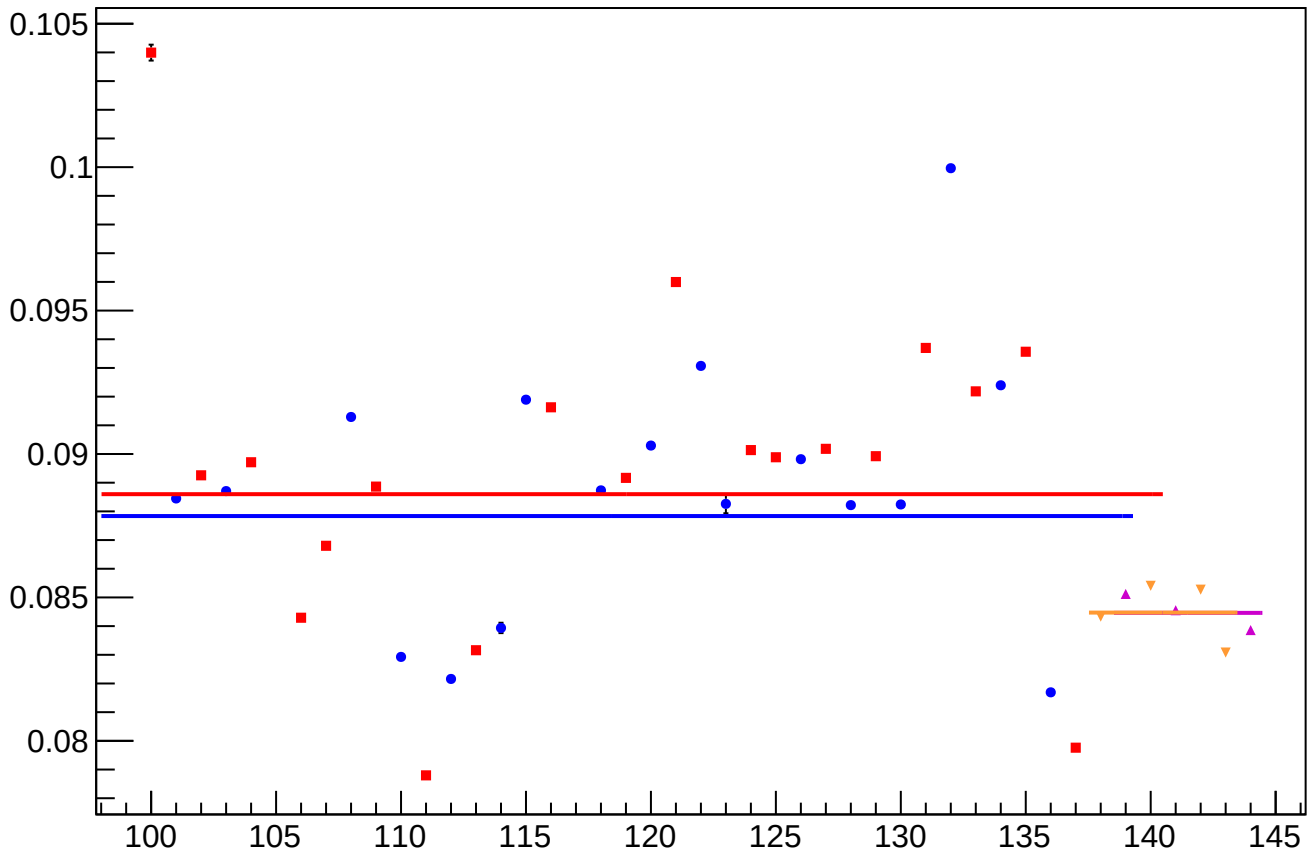
Right: -0.447+/-0.000 χ^2/NDF : 615340967.5/35

In: -0.389+/-0.000 χ^2/NDF : 425240891.3/19

Out: -0.294+/-0.000 χ^2/NDF : 347044708.8/22

All: -0.340+/-0.000 χ^2/NDF : 777771136.1/42

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.088+/-0.000 χ^2/NDF : 34872.1/16

Left Out: 0.084+/-0.000 χ^2/NDF : 630.4/3

Right Out: 0.089+/-0.000 χ^2/NDF : 38932.4/18

Left In: 0.084+/-0.000 χ^2/NDF : 171.1/2

Left: 0.084+/-0.000 χ^2/NDF : 801.5/6

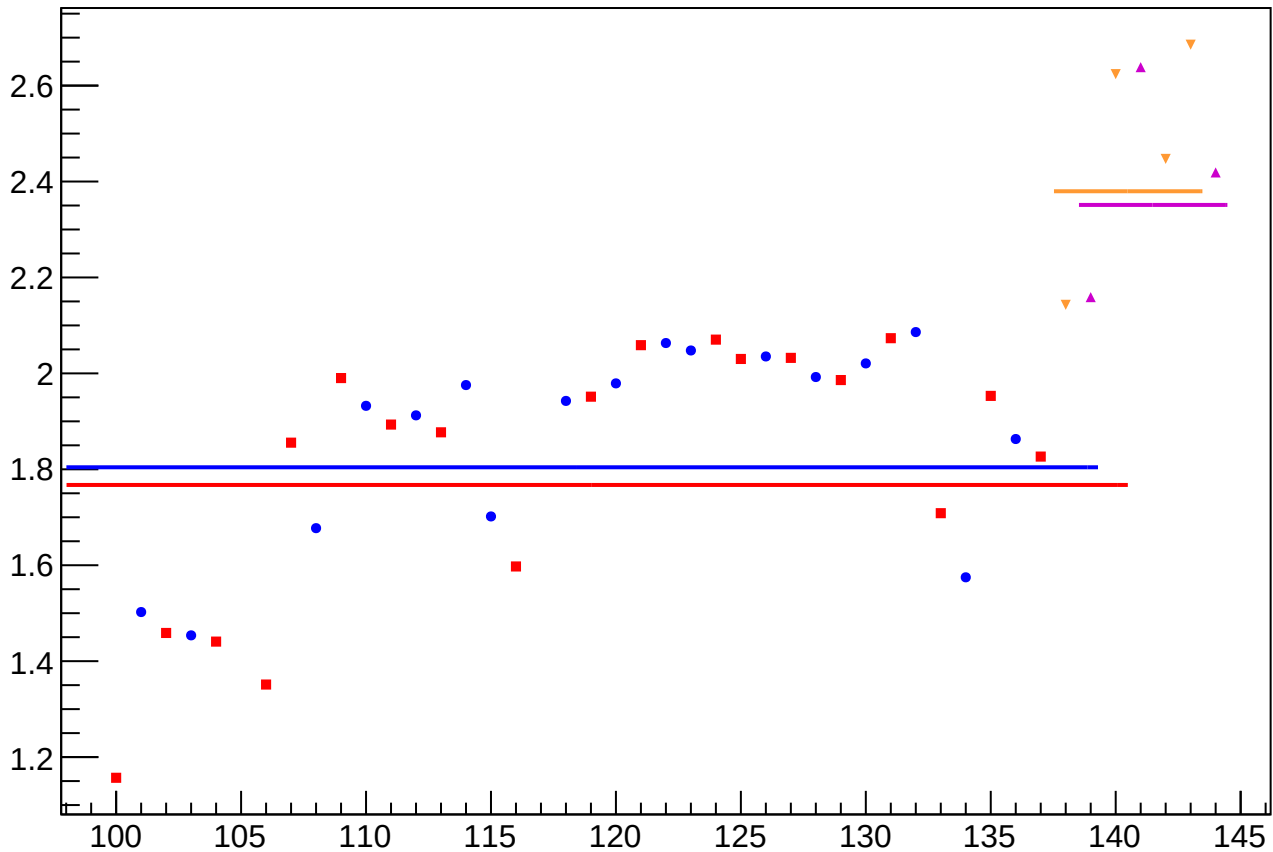
Right: 0.088+/-0.000 χ^2/NDF : 74317.5/35

In: 0.087+/-0.000 χ^2/NDF : 40494.4/19

Out: 0.087+/-0.000 χ^2/NDF : 48369.8/22

All: 0.087+/-0.000 χ^2/NDF : 89188.0/42

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.804+/-0.000 χ^2/NDF : 1156038618.5/16

Left Out: 2.380+/-0.000 χ^2/NDF : 1193242695.8/3

Right Out: 1.767+/-0.000 χ^2/NDF : 1715728859.6/18

Left In: 2.351+/-0.000 χ^2/NDF : 742280695.7/2

Left: 2.366+/-0.000 χ^2/NDF : 1943532052.4/6

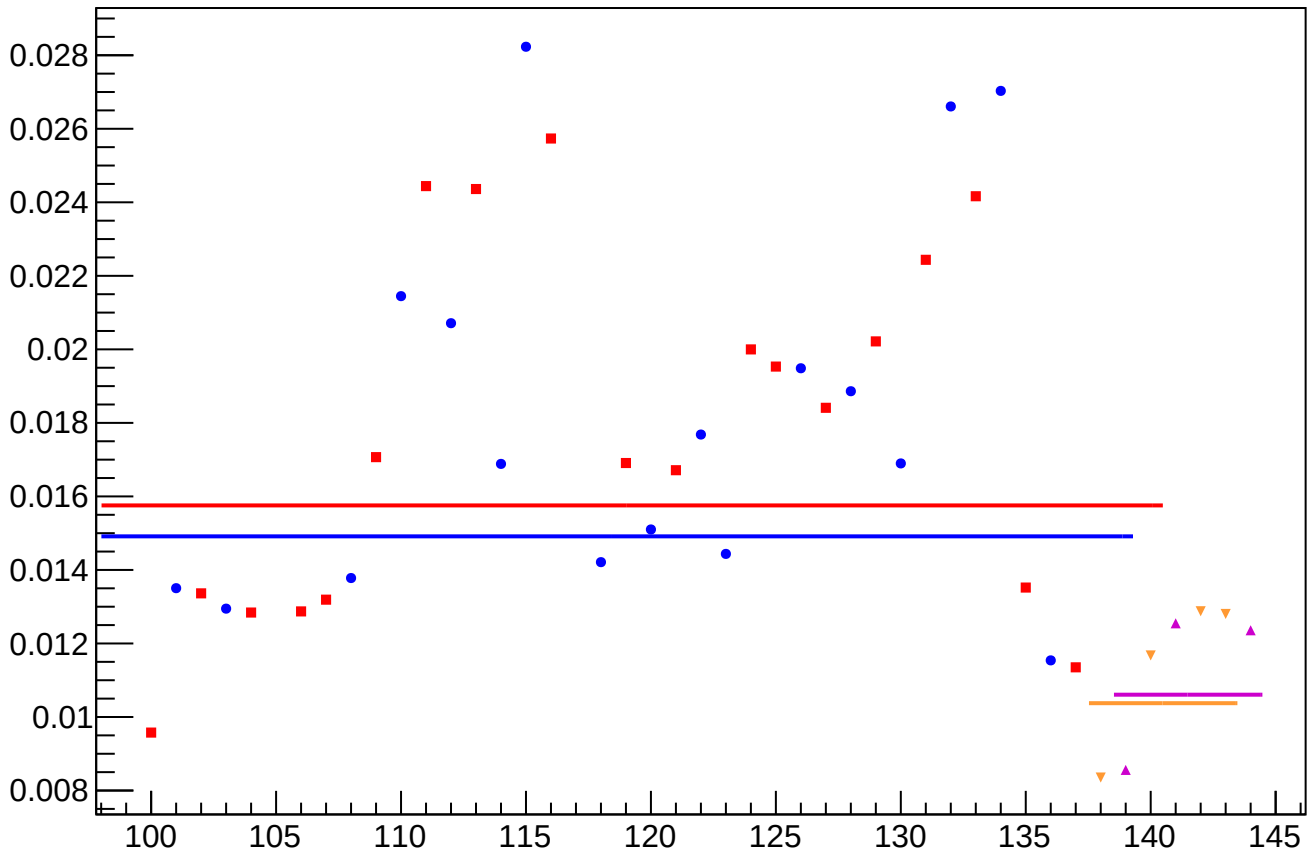
Right: 1.786+/-0.000 χ^2/NDF : 2888725719.4/35

In: 2.034+/-0.000 χ^2/NDF : 5144282611.2/19

Out: 2.050+/-0.000 χ^2/NDF : 7110466968.5/22

All: 2.042+/-0.000 χ^2/NDF : 12260348344.3/4

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 :169288.9/3

Right Out: 0.016+/-0.000 χ^2/NDF : 770357.5/18

Left In: 0.011+/-0.000 χ^2/NDF :141427.2/2

Left: 0.010+/-0.000 χ^2/NDF : 311768.0/6

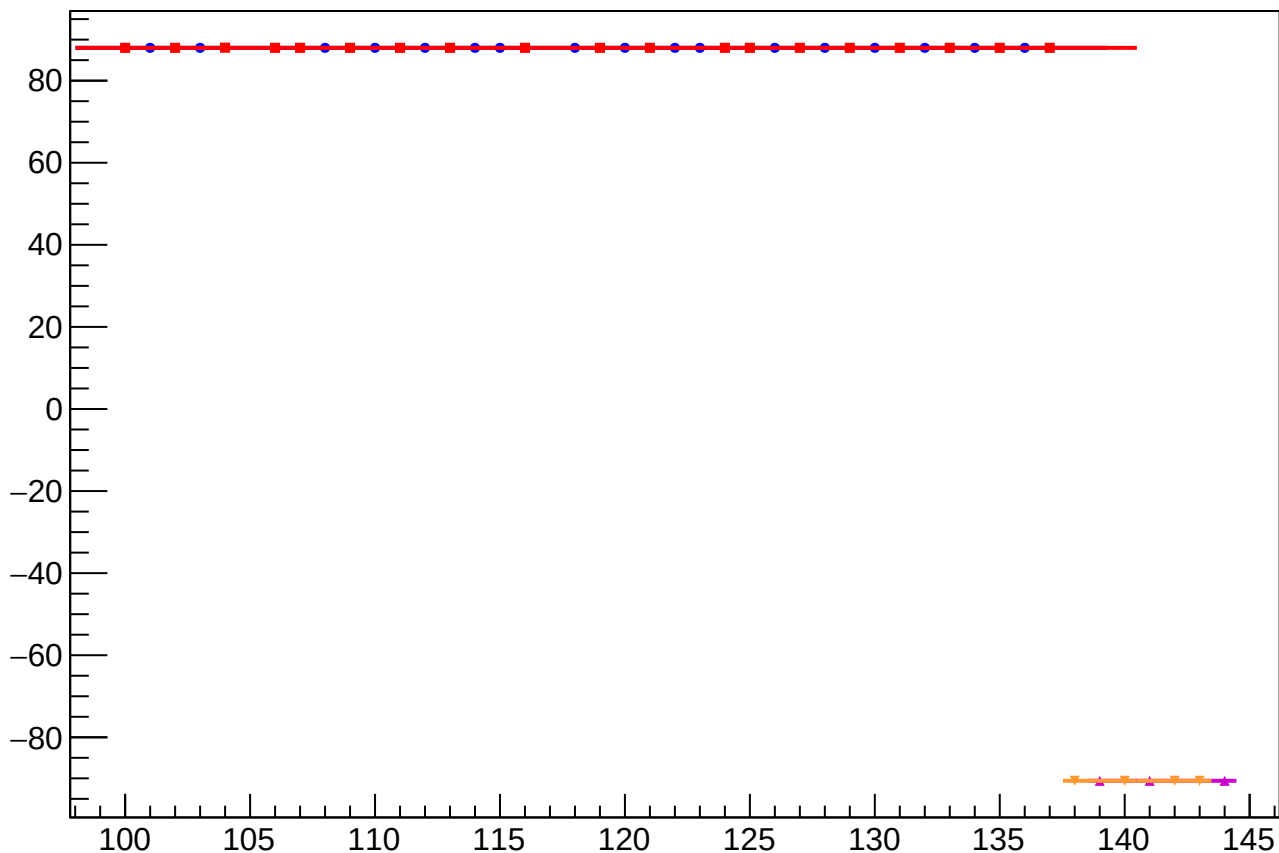
Right: 0.015+/-0.000 χ^2/NDF : 1426092.9/35

In: 0.013+/-0.000 χ^2/NDF :1181957.7/19

Out: 0.013+/-0.000 χ^2/NDF :1588175.3/22

All: 0.013+/-0.000 χ^2/NDF : 2771415.4/42

epics_VWienAngles_mean vs Slug, Sign Corrected



Right In: 88.001 $\pm$ 0.000 χ^2 /NDF: 1547328.6/16

Left Out: -90.599 $\pm$ 0.000 χ^2 /NDF: 1985960.5/3

Right Out: 88.004 $\pm$ 0.000 χ^2 /NDF: 77529520773816998986447323136.0/18

Left In: -90.599 $\pm$ 0.000 χ^2 /NDF: 785175.3/2

Left: -90.599 $\pm$ 0.000 χ^2 /NDF: 3394752.5/6

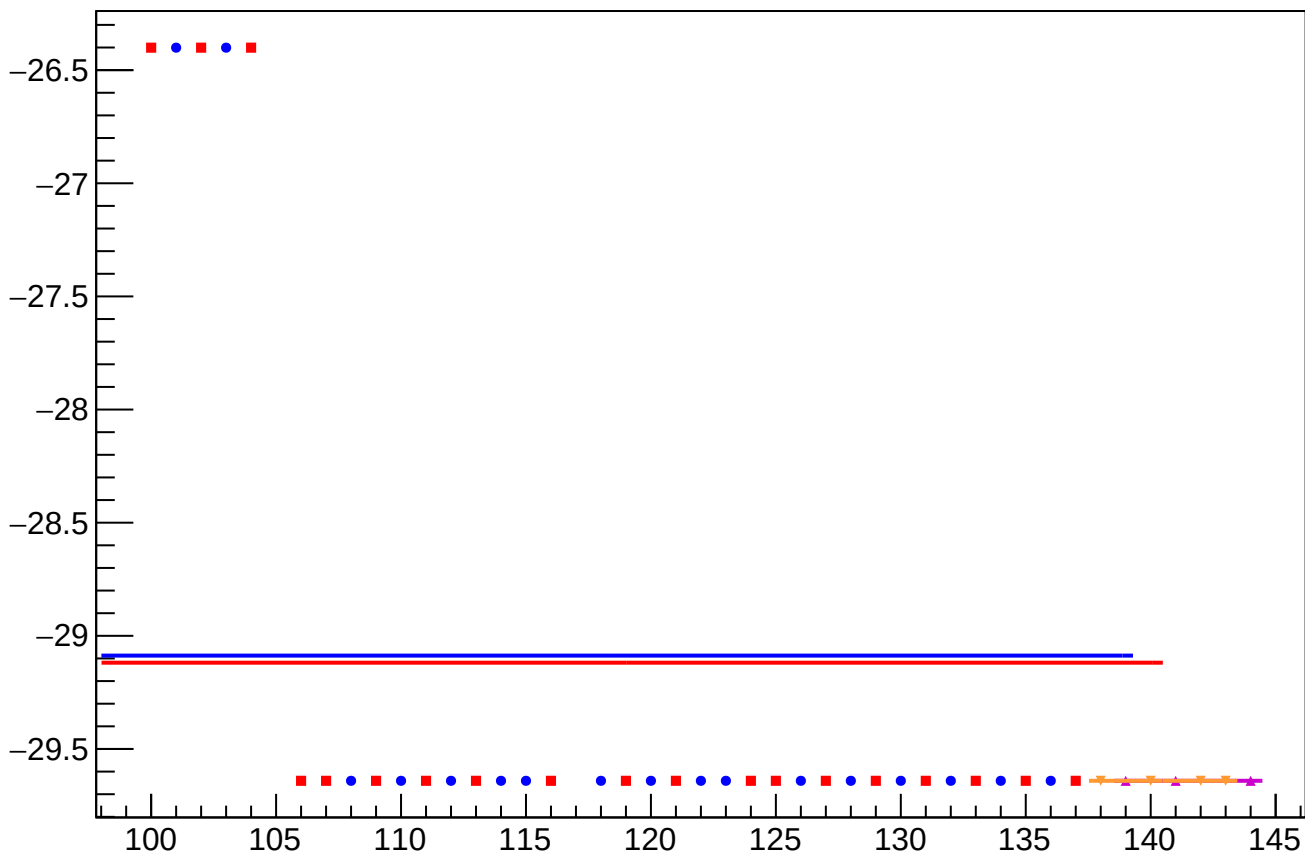
Right: 88.002 $\pm$ 0.000 χ^2 /NDF: 8042394504606349

In: 41.534 $\pm$ 0.000 χ^2 /NDF: 573456333777301297

Out: 38.901 $\pm$ 0.000 χ^2 /NDF: 63142641069394405

All: 40.177 $\pm$ 0.000 χ^2 /NDF: 1205216372587

epics_HWienAngles_mean vs Slug, Sign Corrected



Right In: -29.087+/-0.000

χ^2/NDF : 1027184842836480355028877627621376.0/16

Left: -29.641+/-0.000 χ^2/NDF : 220414.0/6

Right: -29.103+/-0.000 χ^2/NDF : 204906307356486

Left Out: -29.641+/-0.000

χ^2/NDF : 117534.0/3

In: -29.231+/-0.000 χ^2/NDF : 10822193884368335

Right Out: -29.119+/-0.000

χ^2/NDF : 1021533120000008474668992382894080.0/18

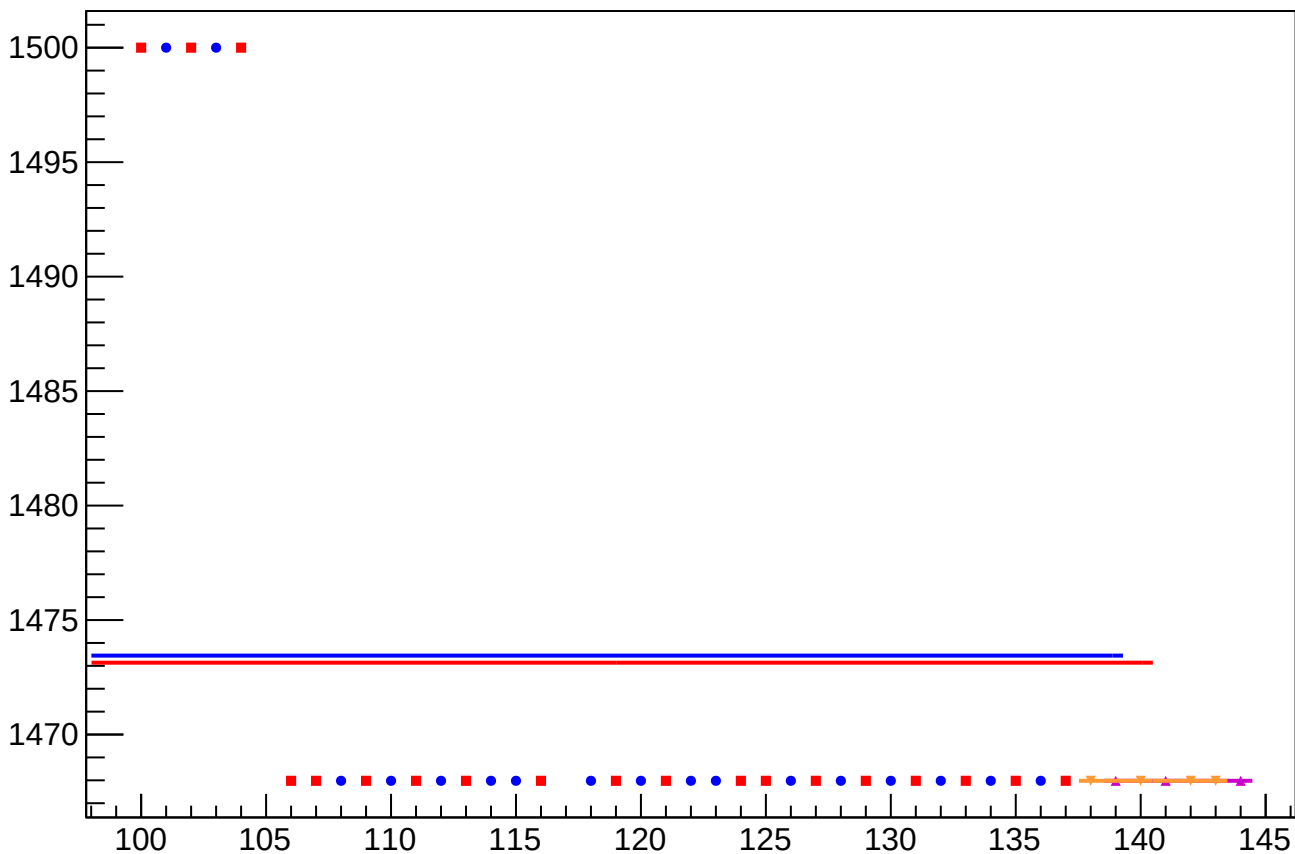
Out: -29.262+/-0.000 χ^2/NDF : 1075470134138970

Left In: -29.641+/-0.000

χ^2/NDF : 17493.8/2

All: -29.247+/-0.000 χ^2/NDF : 215814748894

epics_psub_pl_poss_mean vs Slug, Sign Corrected



Right In: 1473.447+/-0.000

χ^2/NDF : 100331979974804513534478923851628544.0/16

Left Out: 1467.979+/-0.000

χ^2/NDF : 144187920.5/3

Right Out: 1473.138+/-0.000

χ^2/NDF : 99779938590622337721401930749575168.0/18

Left In: 1467.979+/-0.000

χ^2/NDF : 36447645.7/2

Left: 1467.979+/-0.000 χ^2/NDF : 224114247.2/6

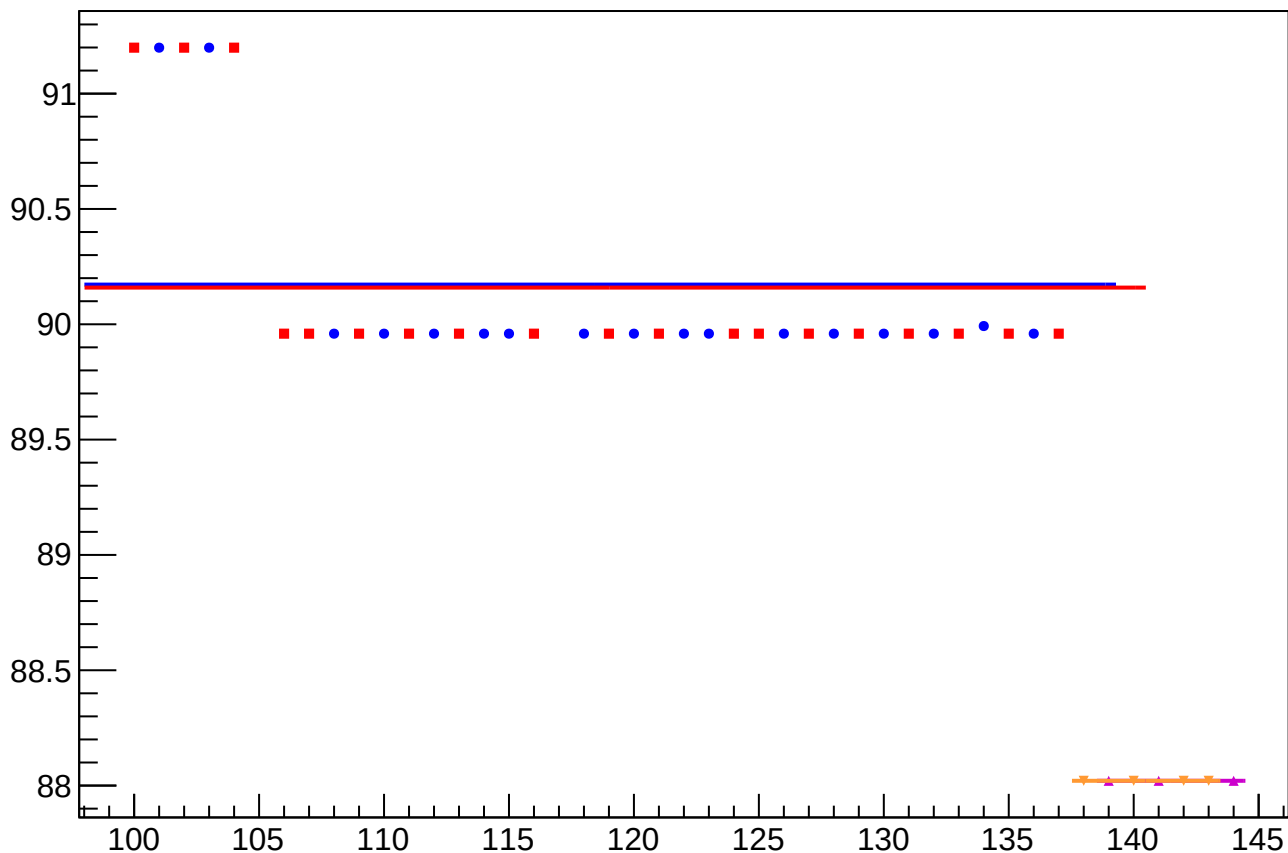
Right: 1473.290+/-0.000 χ^2/NDF : 20014562782713

In: 1472.025+/-0.000 χ^2/NDF : 1057075703231328

Out: 1471.720+/-0.000 χ^2/NDF : 105048325736553

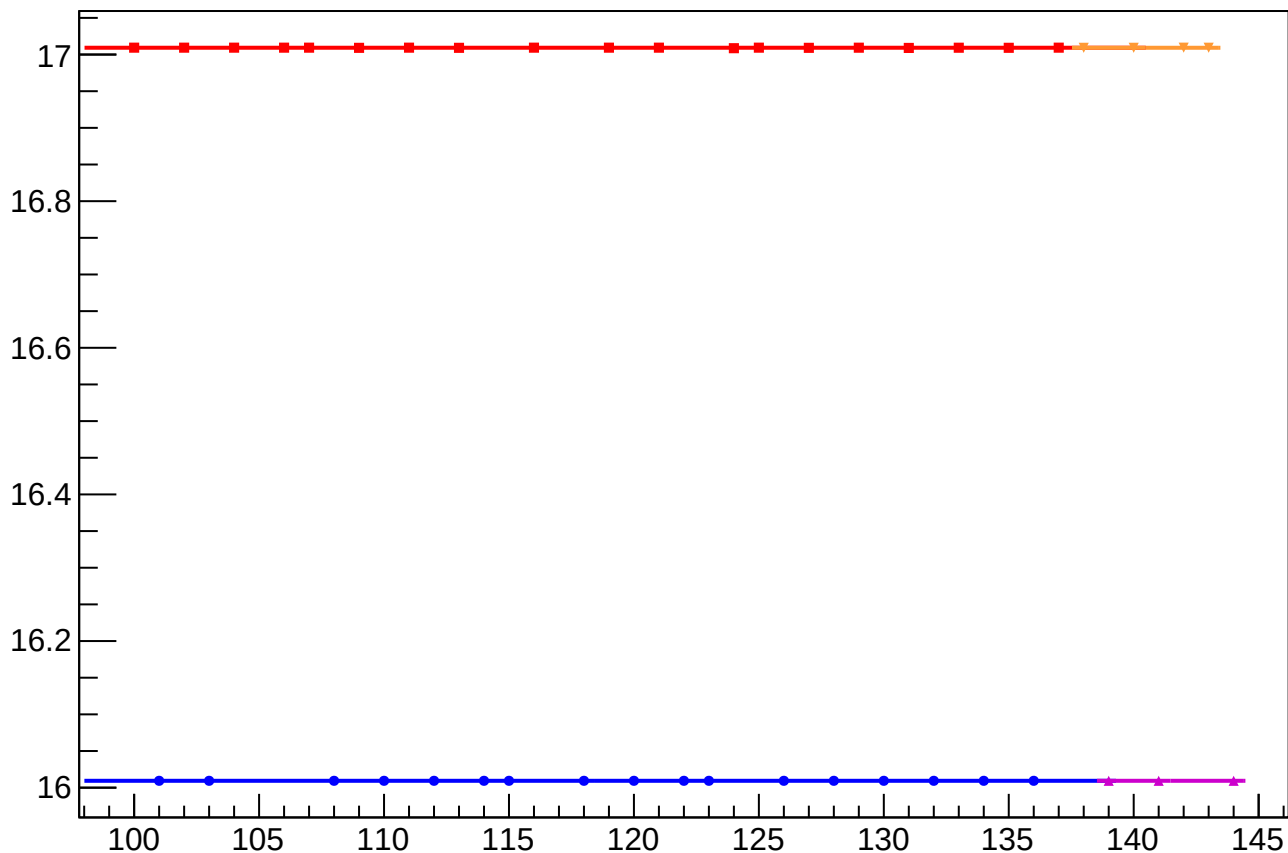
All: 1471.868+/-0.000 χ^2/NDF : 21080062868

epics_Phi_FGs_mean vs Slug, Sign Corrected



Right In: 90.172 $\pm$ 0.000 χ^2 /NDF: 150181697791974119042789817712640.0/16
 Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 1836922.6/3
 Right Out: 90.159 $\pm$ 0.000 χ^2 /NDF: 149625564444474590335066871693312.0/18
 Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 790426.0/2
 Left: 88.021 $\pm$ 0.000 χ^2 /NDF: 2941378.3/6
 Right: 90.165 $\pm$ 0.000 χ^2 /NDF: 2998666474784590
 In: 89.612 $\pm$ 0.000 χ^2 /NDF: 982250563532513263
 Out: 89.571 $\pm$ 0.000 χ^2 /NDF: 10547581942146391
 All: 89.591 $\pm$ 0.000 χ^2 /NDF: 2037823712241

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 : 1005683723064227636707328.0/3

Right Out: 17.009+/-0.000 χ^2/NDF : 12507759350541157226512384.0/18

Left In: 16.009+/-0.000 χ^2/NDF : 14489.8/2

Left: 16.518+/-0.000 χ^2/NDF : 11643649022584594

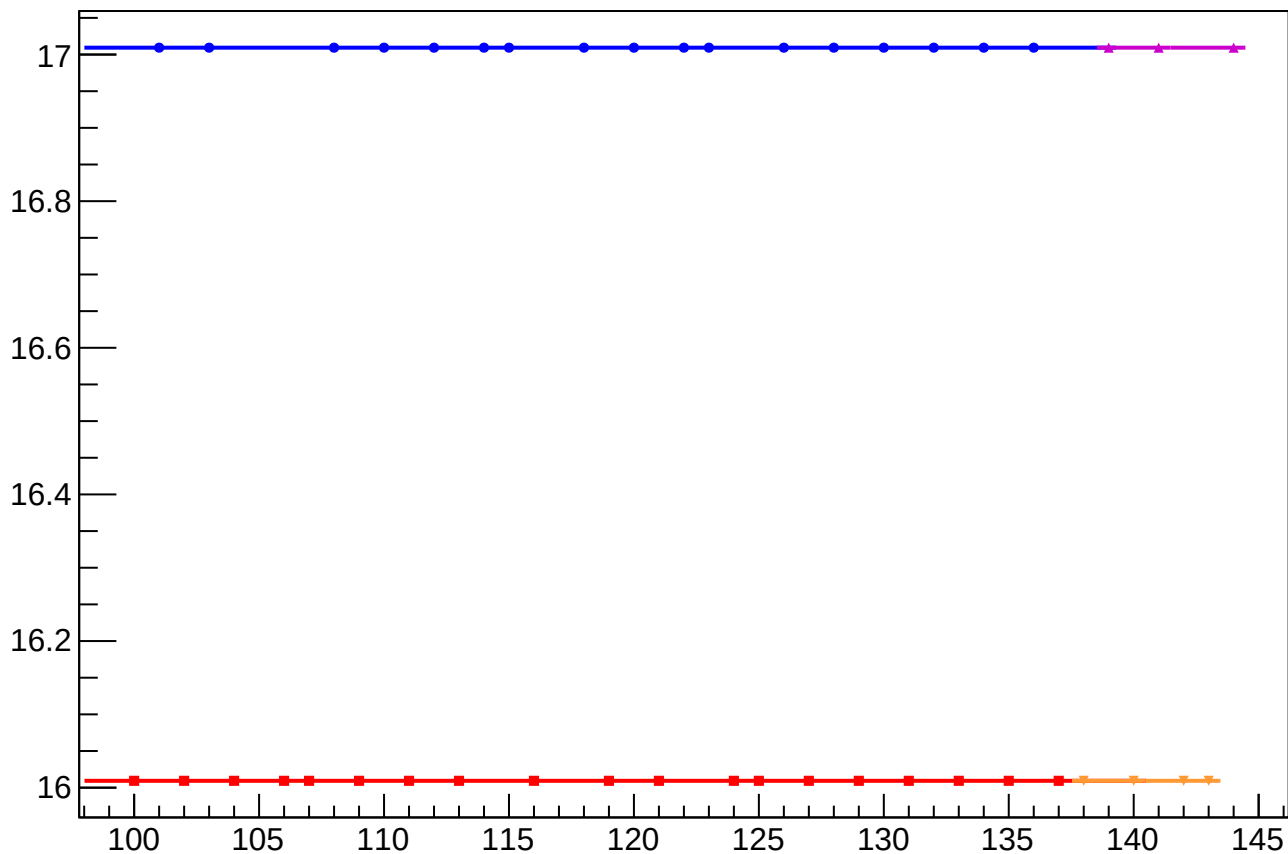
Right: 16.507+/-0.000 χ^2/NDF : 3279335089313653

In: 16.009+/-0.000 χ^2/NDF : 97667.3/19

Out: 17.009+/-0.000 χ^2/NDF : 13718465695205443

All: 16.510+/-0.000 χ^2/NDF : 4444104934227

epics_IGL1I00OD16_16s_mean vs Slug, Sign Corrected



Right In: 17.009 $\pm$ 0.000 χ^2 /NDF: 119200.0/16

Left Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 10198.4/3

Right Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 39077.0/18

Left In: 17.009 $\pm$ 0.000 χ^2 /NDF: 9655.7/2

Left: 16.480 $\pm$ 0.000 χ^2 /NDF: 12856395348836417

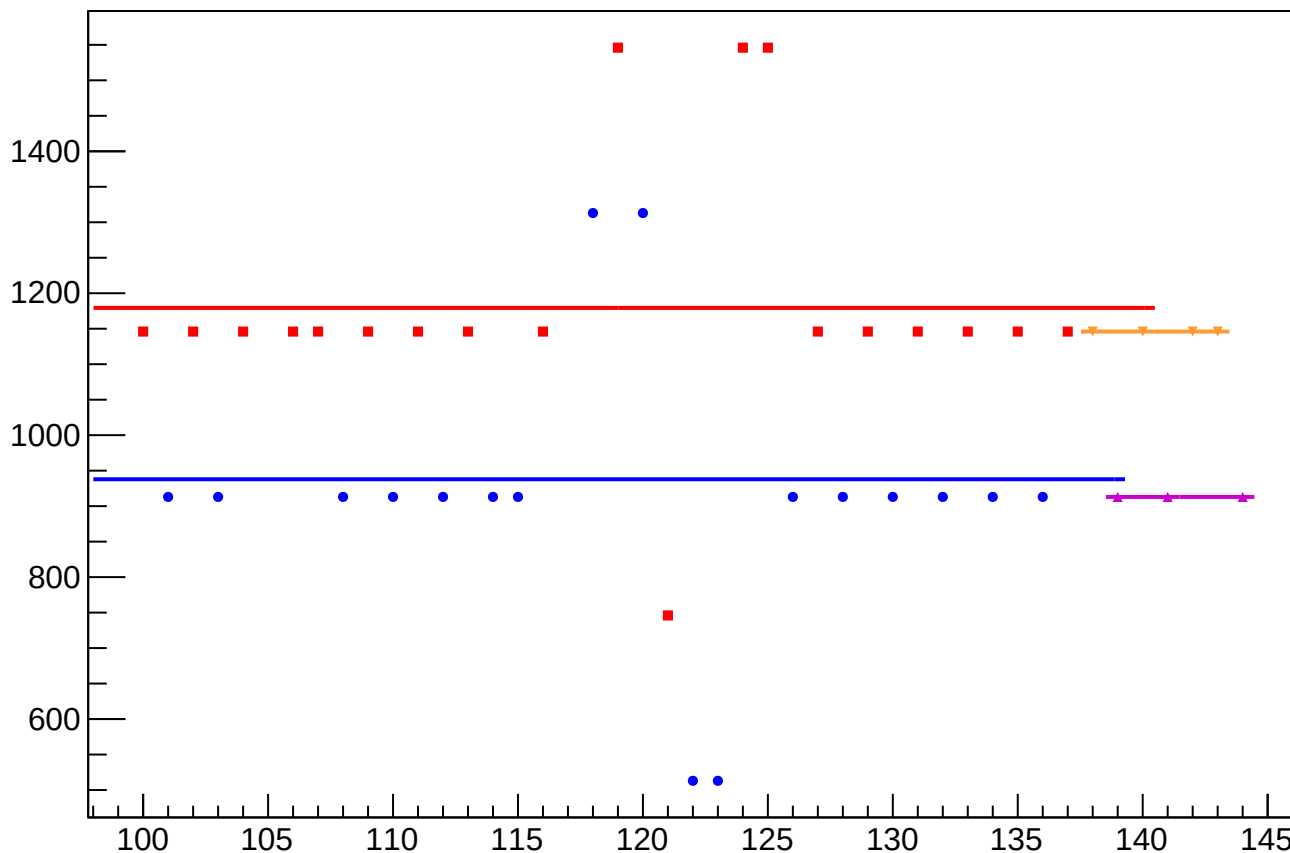
Right: 16.490 $\pm$ 0.000 χ^2 /NDF: 3424686588921133

In: 17.009 $\pm$ 0.000 χ^2 /NDF: 196912.3/19

Out: 16.009 $\pm$ 0.000 χ^2 /NDF: 68081.9/22

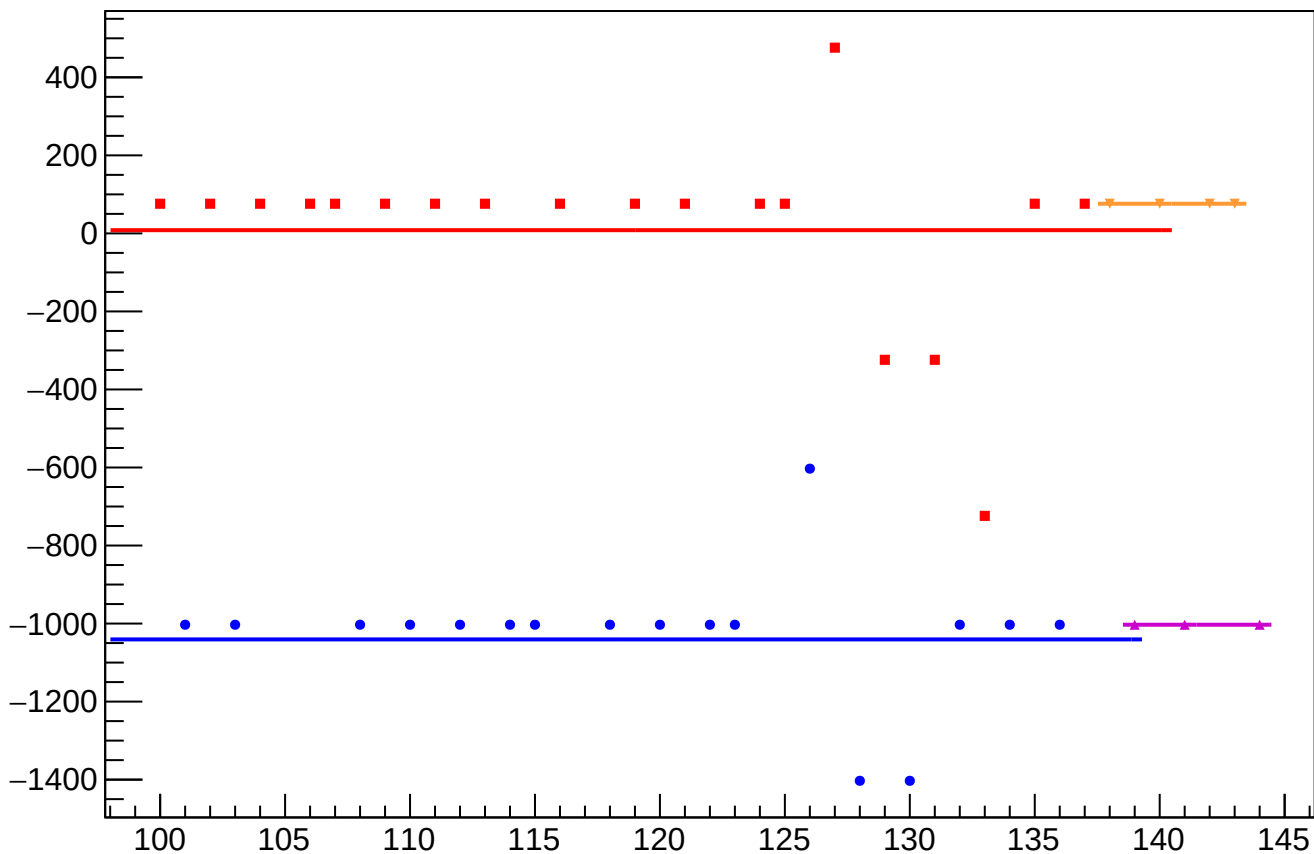
All: 16.487 $\pm$ 0.000 χ^2 /NDF: 4710656779660

epics_RTPAPOSUCNTs_mean vs Slug, Sign Corrected



Right In: 937.887+/-0.000 χ^2/NDF : 20853195799113284359206128263972782080.0/16
 Left Out: 1146.012+/-0.000 χ^2/NDF : 1102801225803840793096486912.0/3
 Right Out: 1179.343+/-0.000 χ^2/NDF : 21280712999839458982137051519993774080.0/18
 Left In: 912.995+/-0.000 χ^2/NDF : 7516412938646713667757801472.0/2
 All: 1054.450+/-0.000 χ^2/NDF : 69904348326

epics_RTPAPOSVCNTs_mean vs Slug, Sign Corrected



Left: -432.123+/-0.000 χ^2/NDF : 149679682982204
 Right In: -1040.616+/-0.000 χ^2/NDF : 22221373085920074948025403120531013632.0/16
 Left Out: 76.012+/-0.000 χ^2/NDF : 2062657534242700878183137280.0/3
 Right Out: 8.231+/-0.000 χ^2/NDF : 43732051061335101274341918679788158976.0/18
 In: -1030.826+/-0.000 χ^2/NDF : 224758943360968
 Out: 26.866+/-0.000 χ^2/NDF : 44641446270969926
 Left In: -1002.989+/-0.000 χ^2/NDF : 471718238644320208097902592.0/2
 All: -485.788+/-0.000 χ^2/NDF : 60555204018