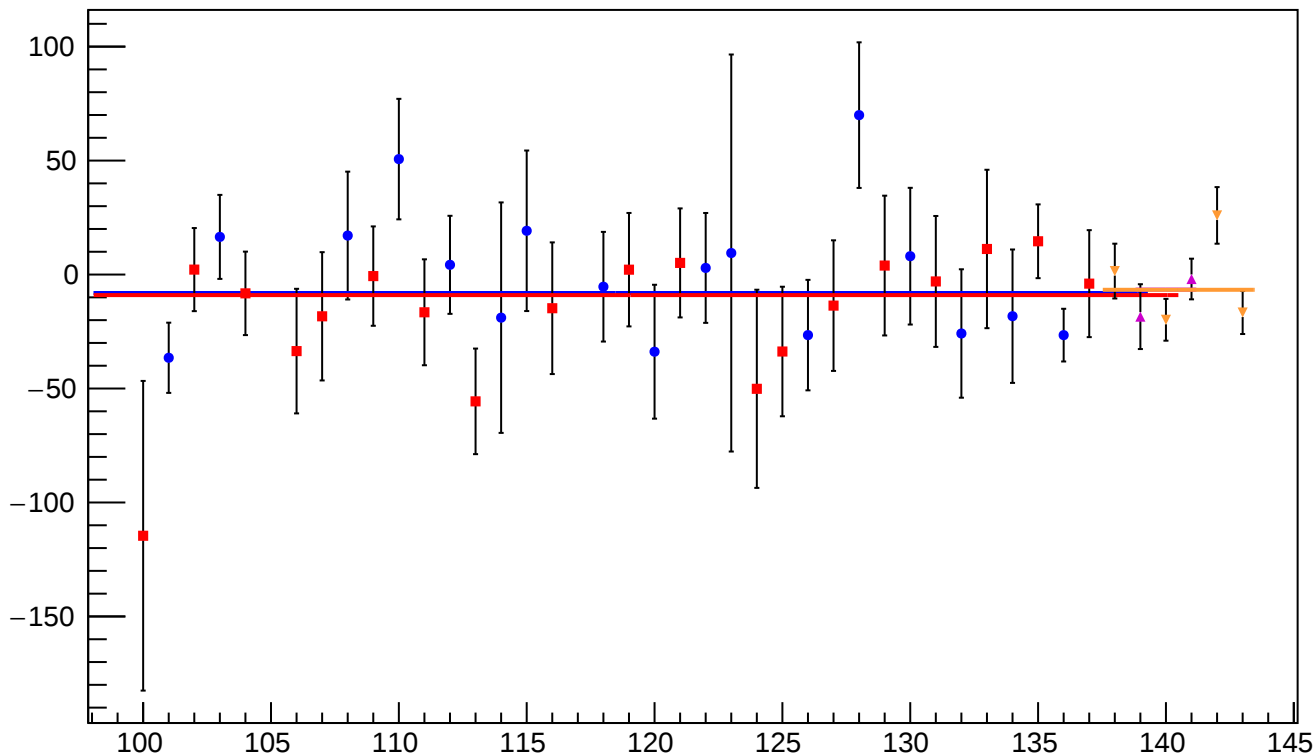


diff_bpm4aX_mean vs Slug



Right In: -8.097 ± 5.619

χ^2/NDF : 22.9/16

Left Out: -6.686 ± 5.232

χ^2/NDF : 10.6/3

Right Out: -9.015 ± 5.687

χ^2/NDF : 13.0/18

Left In: -6.616 ± 7.557

χ^2/NDF : 1.0/1

+ sign -7.341 ± 3.829

χ^2/NDF : 33.4/20

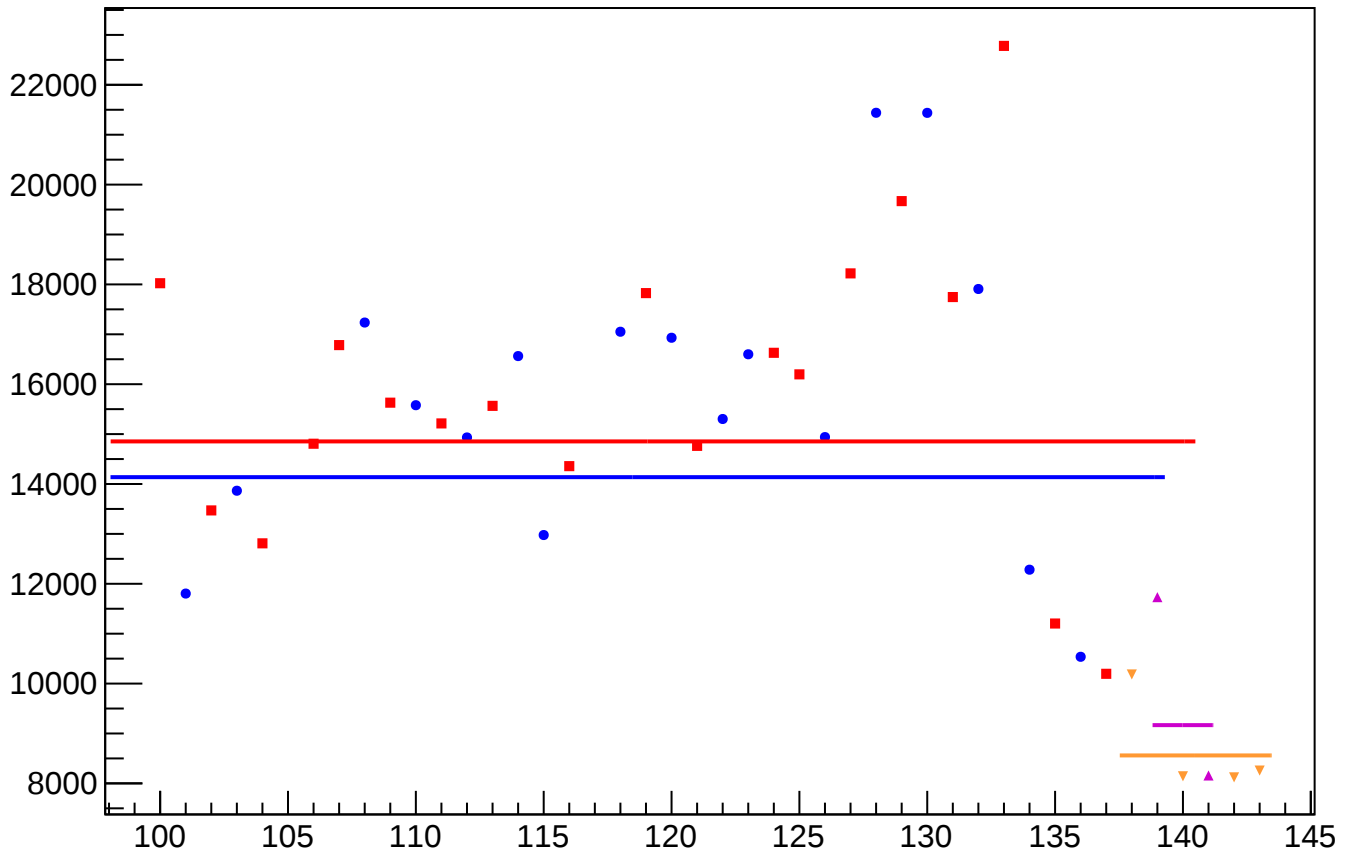
All: -7.676 ± 2.928

χ^2/NDF : 47.5/41

- sign -8.147 ± 4.544

χ^2/NDF : 14.0/20

diff_bpm4aX_rms vs Slug



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

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

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

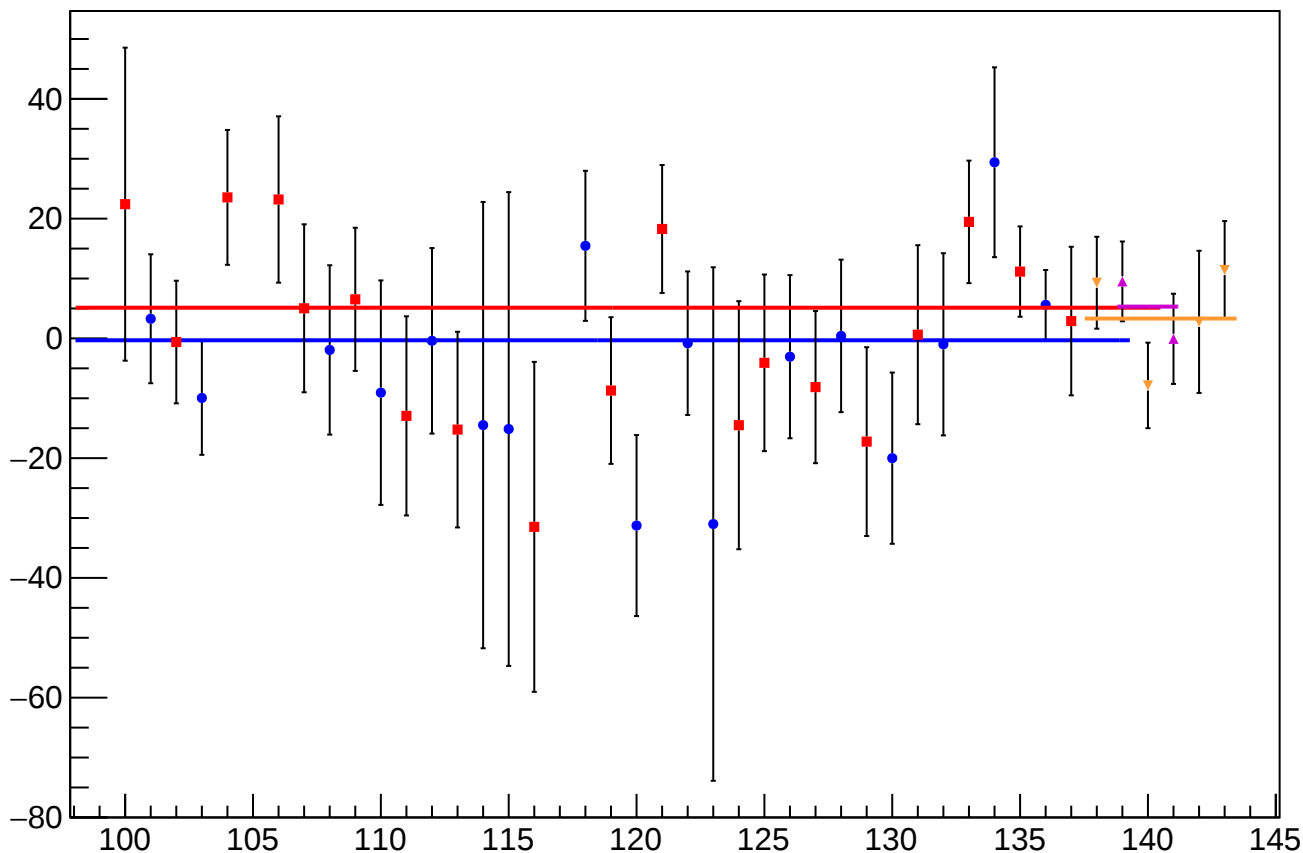
Left In: 9167.323+/-5.344 χ^2/NDF : 90638.1/1

+ sign 11149.542+/-2.708 χ^2/NDF : 1703455.1/20

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

- sign 12797.418+/-3.213 χ^2/NDF : 1287316.1/20

diff_bpm4aY_mean vs Slug



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

Left Out: 3.314 ± 4.129 χ^2/NDF : 4.0/3

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

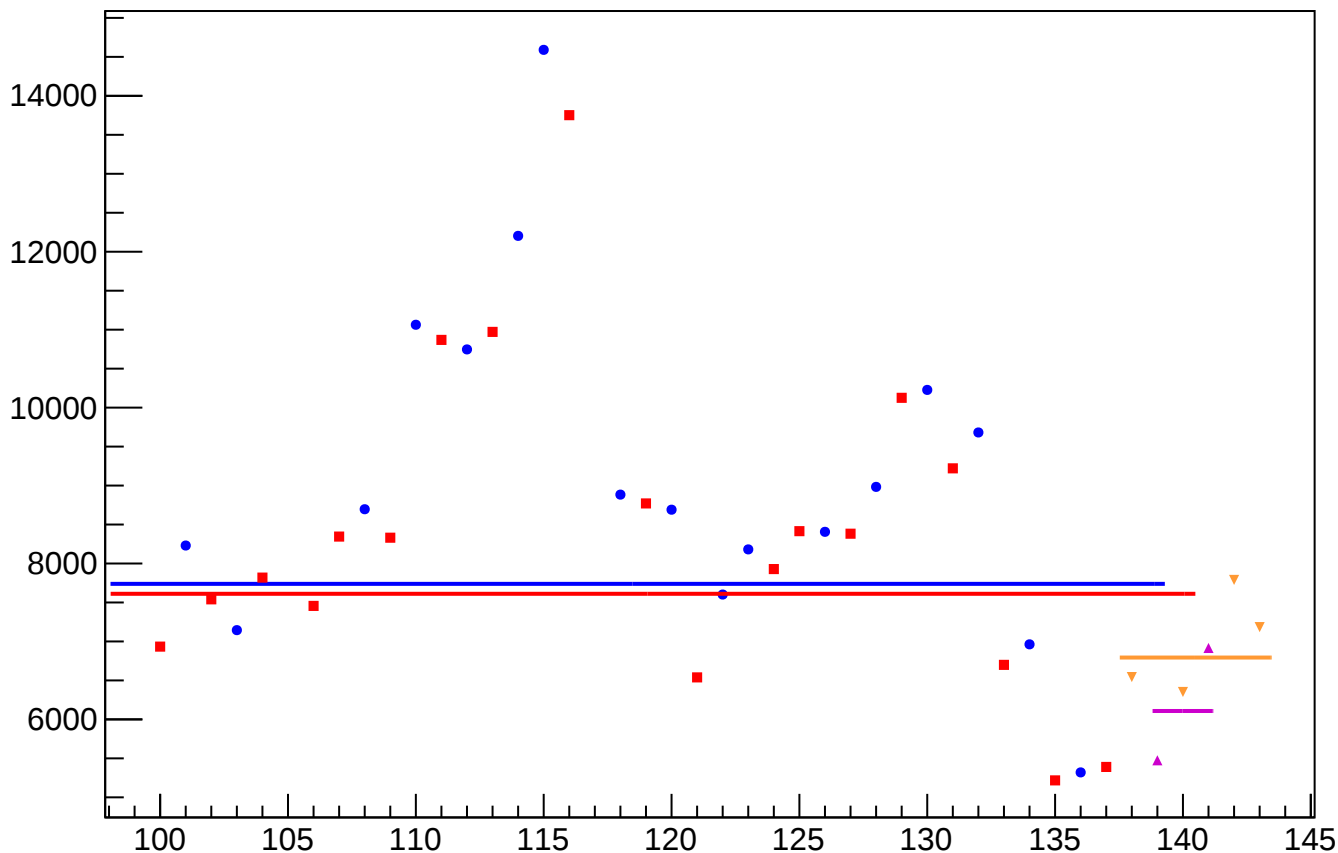
Left In: 5.310 ± 4.990 χ^2/NDF : 0.9/1

+ sign 0.981 ± 2.467 χ^2/NDF : 19.0/20

All: 3.021 ± 1.768 χ^2/NDF : 40.8/41

- sign 5.174 ± 2.534 χ^2/NDF : 20.5/20

diff_bpm4aY_rms vs Slug



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

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

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

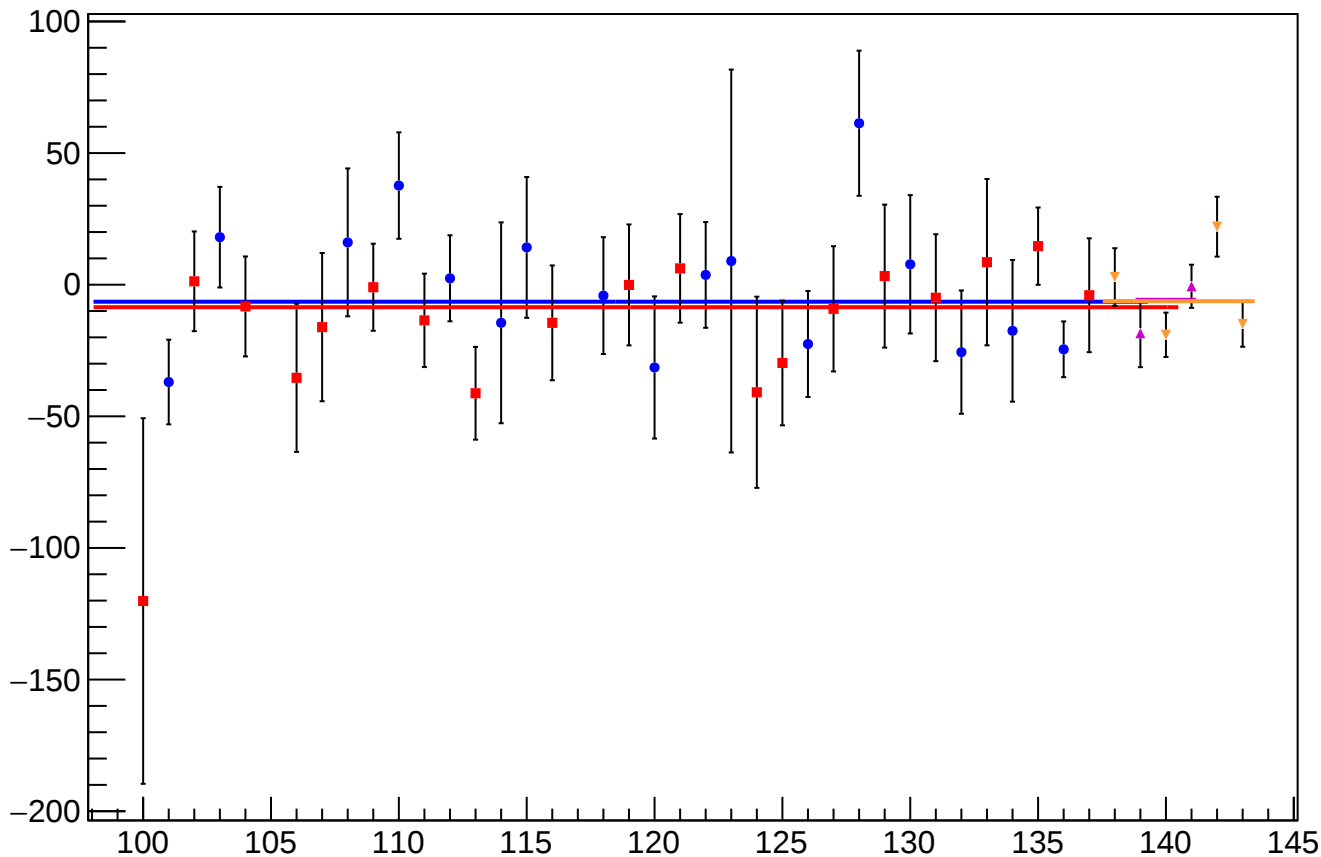
Left In: 6107.832+/-3.528 χ^2/NDF : 41086.6/1

+ sign 7401.393+/-1.745 χ^2/NDF : 836807.9/20

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

- sign 7223.531+/-1.792 χ^2/NDF : 859096.2/20

diff_bpm4eX_mean vs Slug



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

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

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

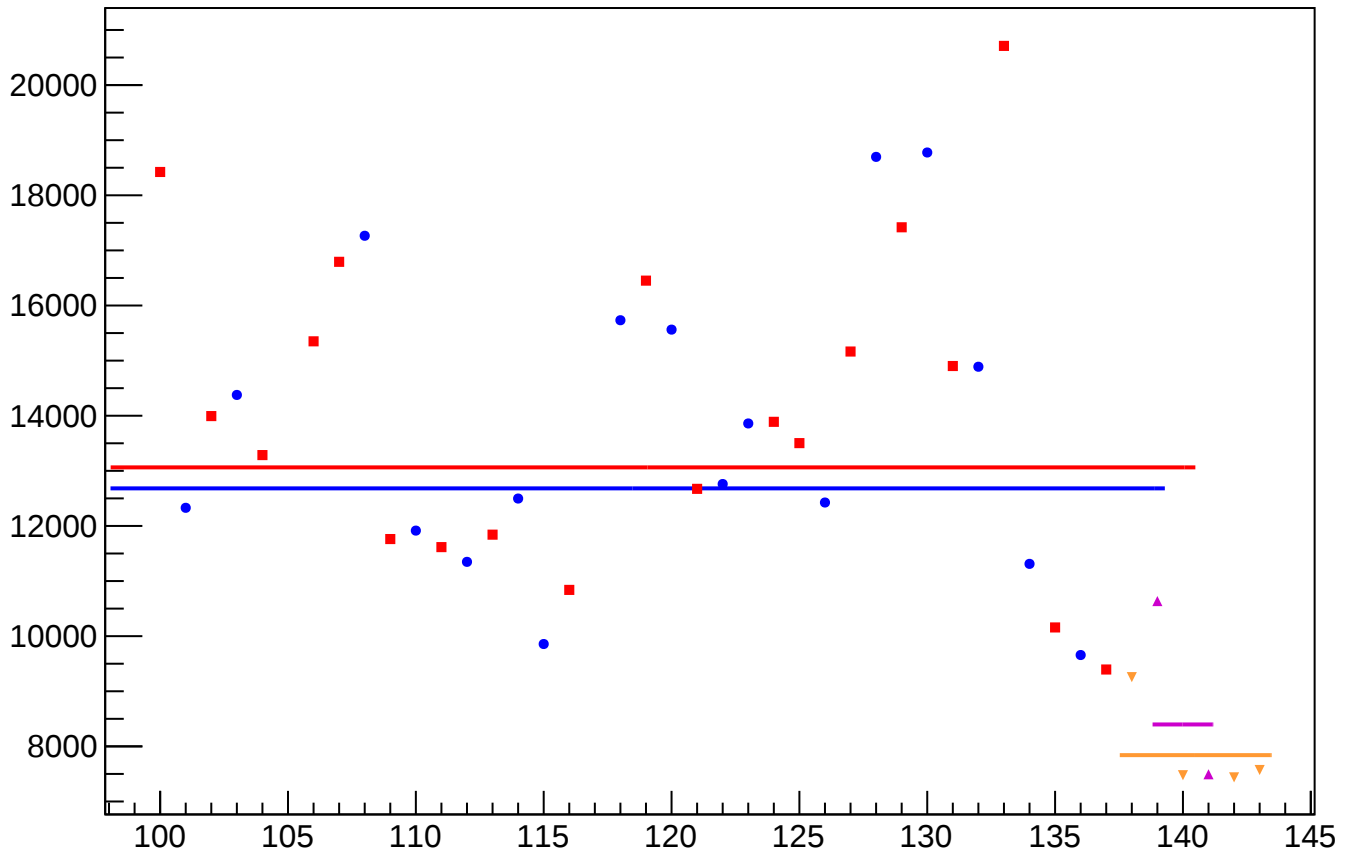
Left In: -5.732 $\pm$ 6.915 χ^2 /NDF: 1.4/1

+ sign -6.355 $\pm$ 3.468 χ^2 /NDF: 33.7/20

All: -6.872 $\pm$ 2.636 χ^2 /NDF: 48.1/41

- sign -7.579 $\pm$ 4.056 χ^2 /NDF: 14.4/20

diff_bpm4eX_rms vs Slug



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

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

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

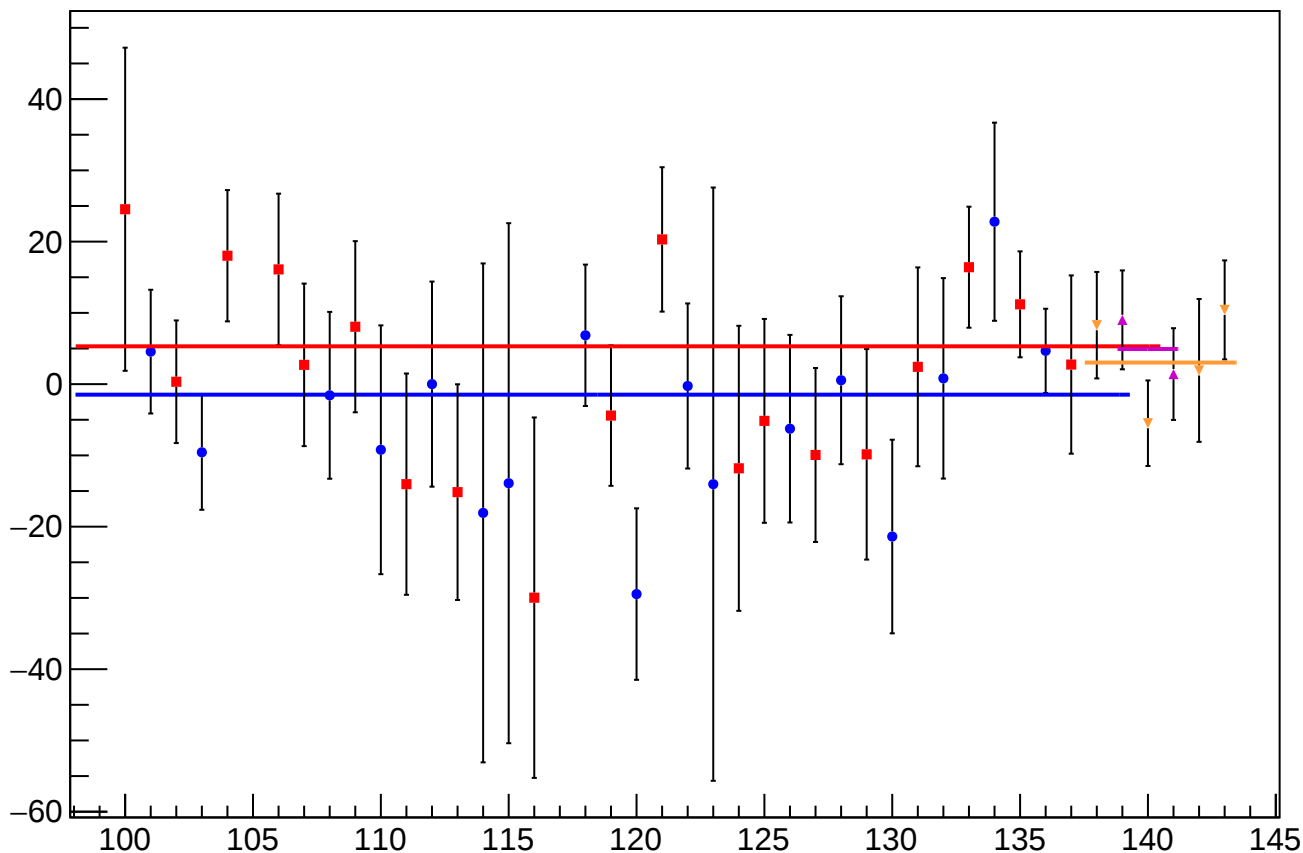
Left In: 8397.782 $\pm$ 4.890 χ^2 /NDF:84640.6/1

+ sign 10143.965 $\pm$ 2.452 χ^2 /NDF: 1572140.1/20

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

- sign 11457.561 $\pm$ 2.868 χ^2 /NDF: 1180792.5/20

diff_bpm4eY_mean vs Slug



Right In: -1.477 ± 2.795 $\chi^2/\text{NDF}: 14.7/16$

Left Out: 3.028 ± 3.619 $\chi^2/\text{NDF}: 3.6/3$

Right Out: 5.307 ± 2.645 $\chi^2/\text{NDF}: 18.9/18$

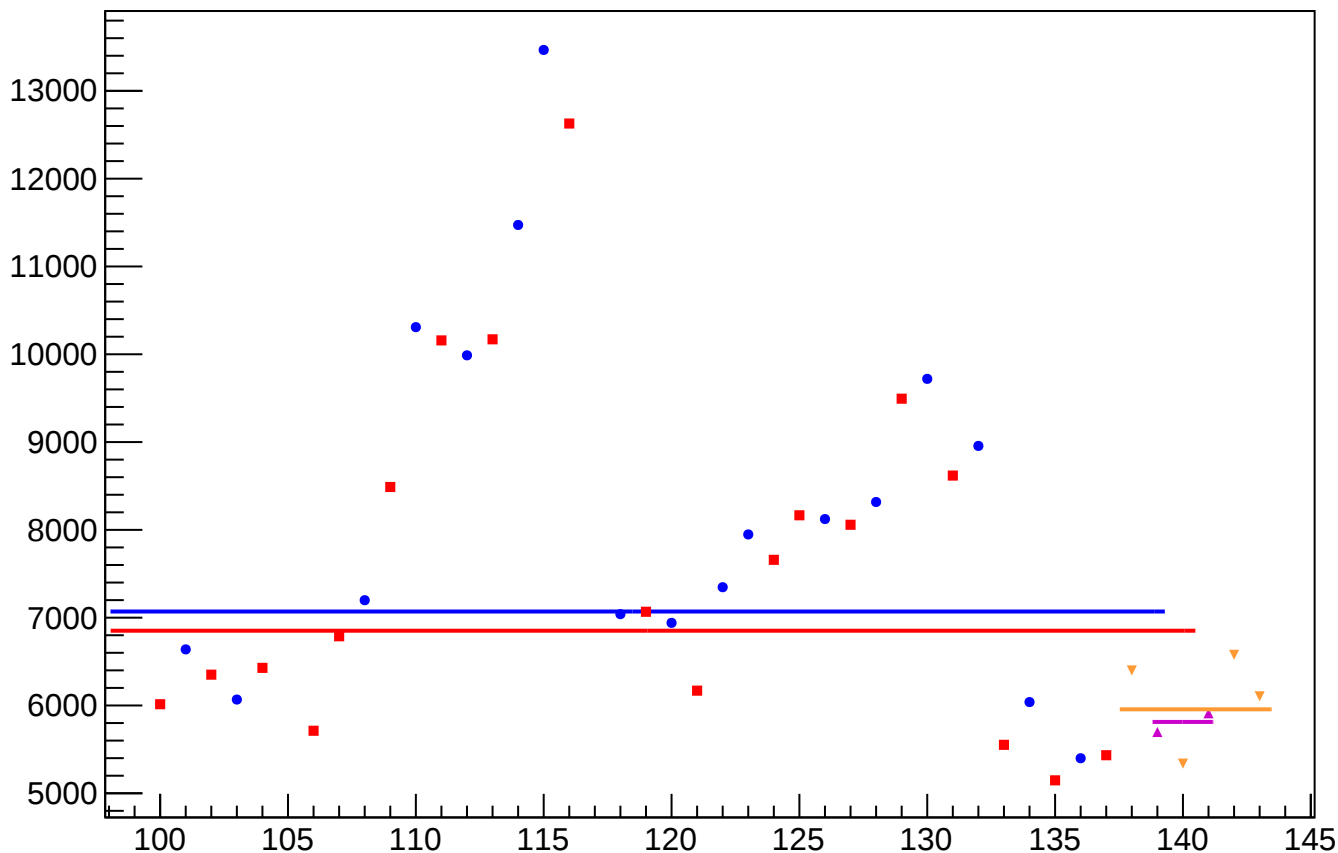
Left In: 4.930 ± 4.719 $\chi^2/\text{NDF}: 0.6/1$

+ sign 0.207 ± 2.212 $\chi^2/\text{NDF}: 19.3/20$

All: 2.606 ± 1.597 $\chi^2/\text{NDF}: 41.3/41$

- sign 5.217 ± 2.307 $\chi^2/\text{NDF}: 19.5/20$

diff_bpm4eY_rms vs Slug



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

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

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

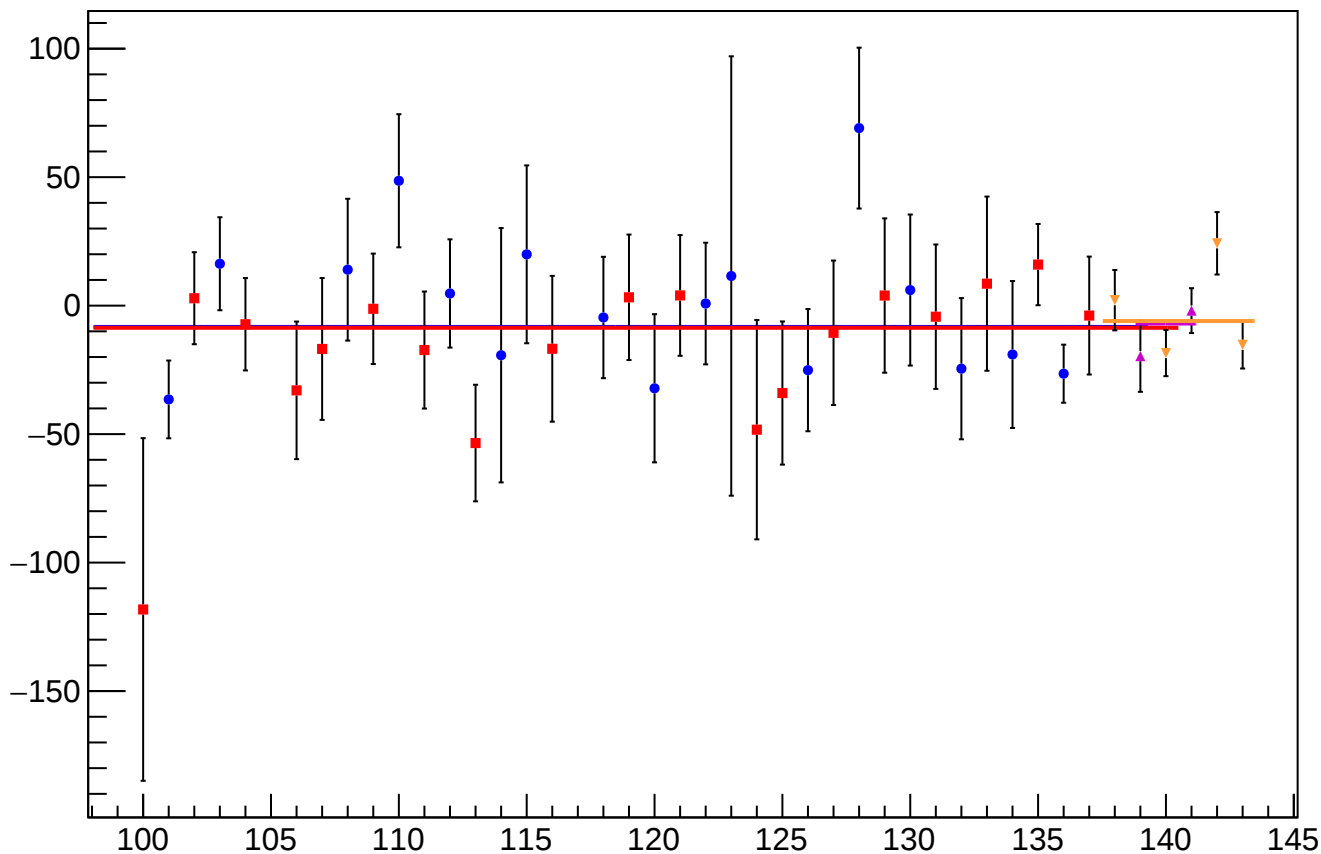
Left In: 5812.635+/-3.337 χ^2/NDF : 1012.8/1

+ sign 6653.982+/-1.564 χ^2/NDF : 756390.5/20

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

- sign 6603.306+/-1.631 χ^2/NDF : 763366.0/20

diff_bpm4acX_mean vs Slug



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

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

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

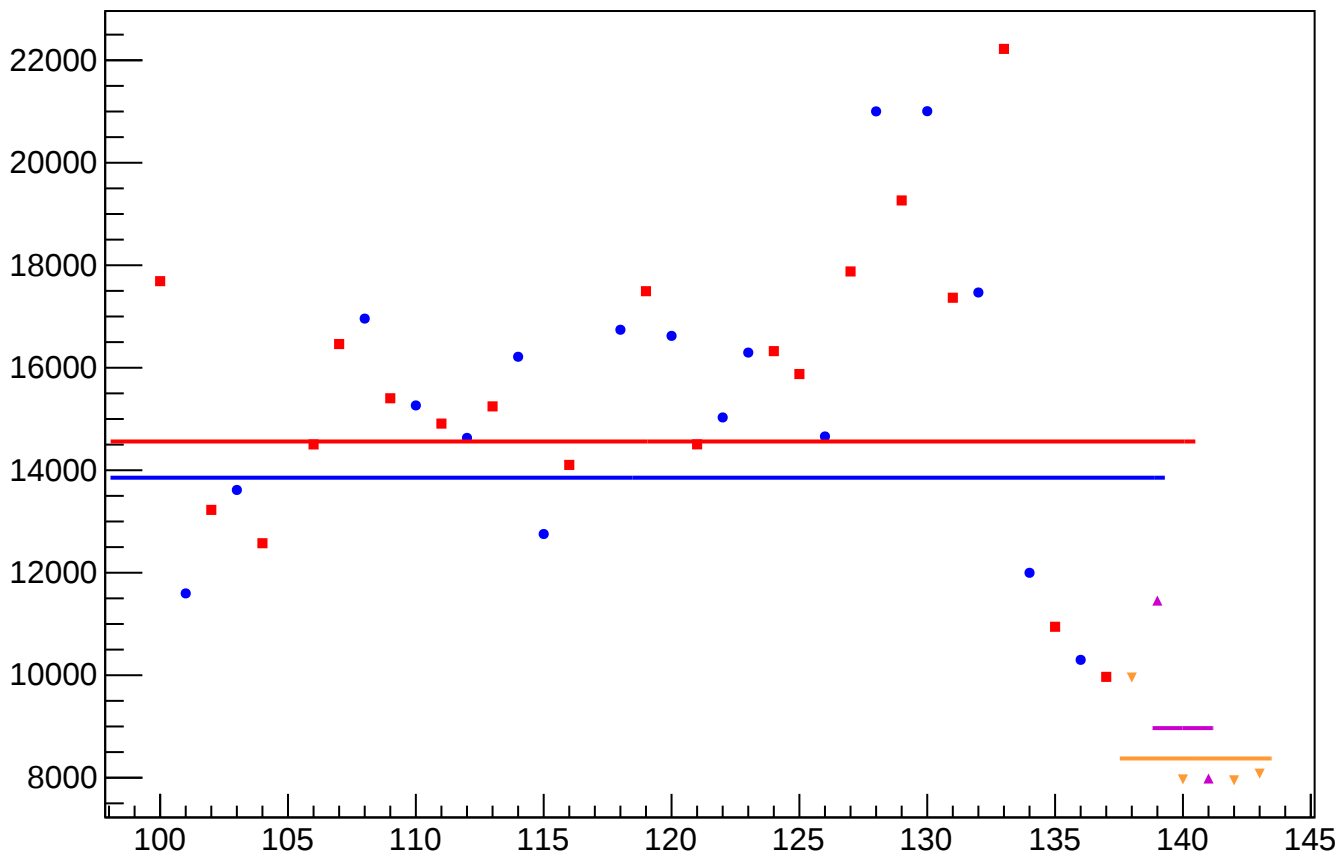
Left In: -6.961 ± 7.391 $\chi^2/\text{NDF}: 1.2/1$

+ sign -7.057 ± 3.749 $\chi^2/\text{NDF}: 32.4/20$

All: -7.454 ± 2.868 $\chi^2/\text{NDF}: 47.1/41$

- sign -8.015 ± 4.451 $\chi^2/\text{NDF}: 14.6/20$

diff_bpm4acX_rms vs Slug



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

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

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

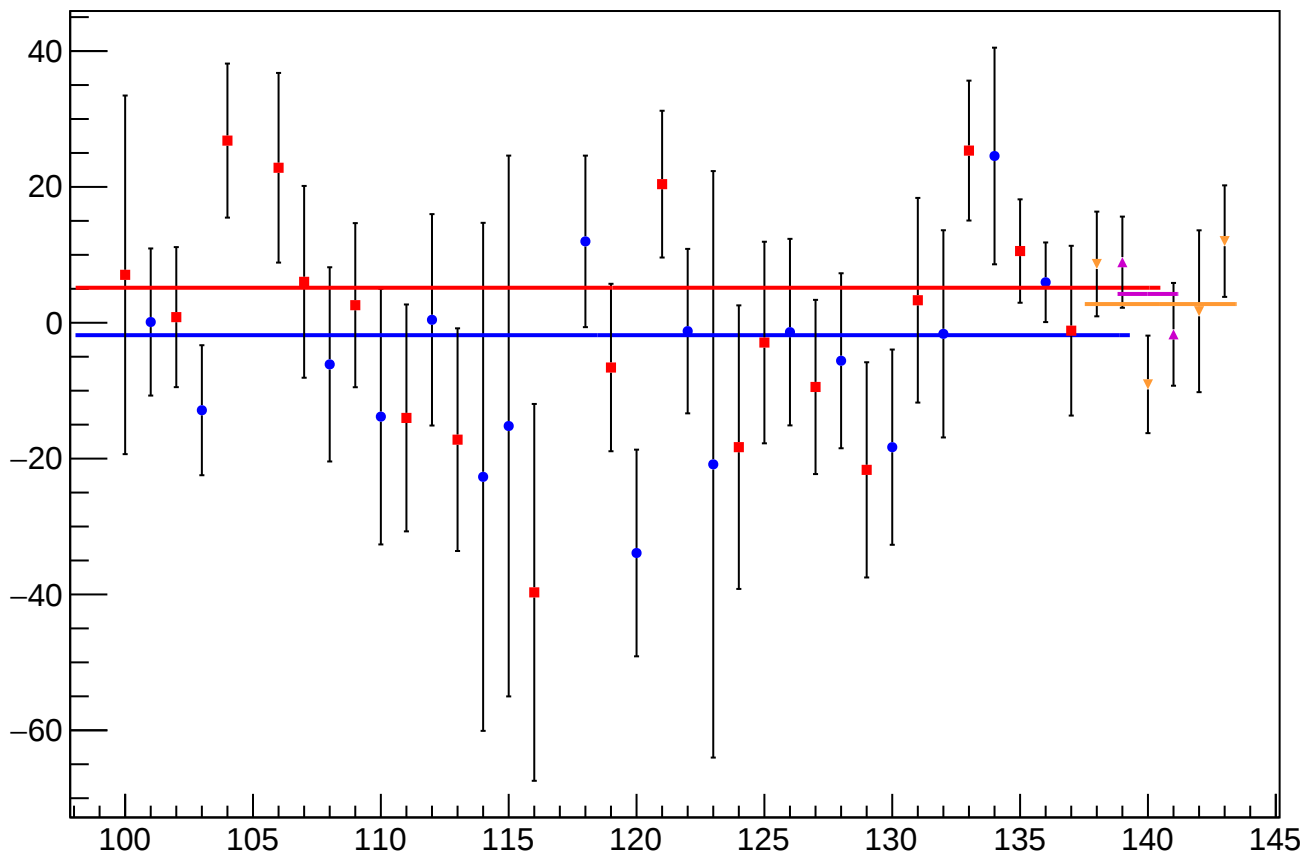
Left In: 8968.261+/-5.227 χ^2/NDF :89575.9/1

+ sign 10914.554+/-2.651 χ^2/NDF : 1712888.2/20

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

- sign 12532.698+/-3.148 χ^2/NDF : 1295119.1/20

diff_bpm4acY_mean vs Slug



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

Left Out: 2.753 +/- 4.148 χ^2/NDF : 4.6/3

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

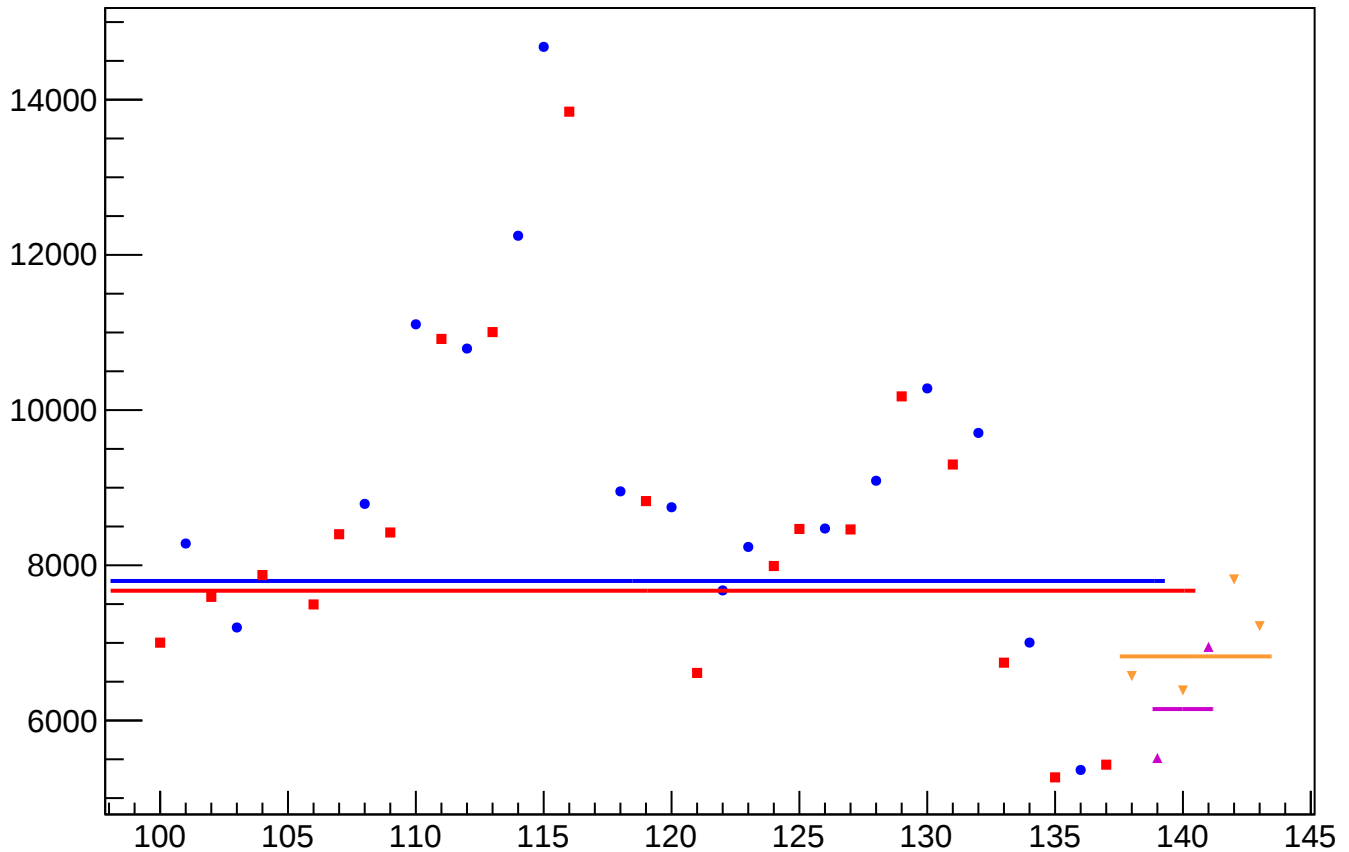
Left In: 4.242 +/- 5.021 χ^2/NDF : 1.1/1

+ sign -0.186 +/- 2.483 χ^2/NDF : 19.4/20

All: 2.296 +/- 1.780 χ^2/NDF : 47.1/41

- sign 4.919 +/- 2.553 χ^2/NDF : 25.6/20

diff_bpm4acY_rms vs Slug



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

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

+ sign 7449.655+/-1.756 χ^2/NDF : 834826.9/20

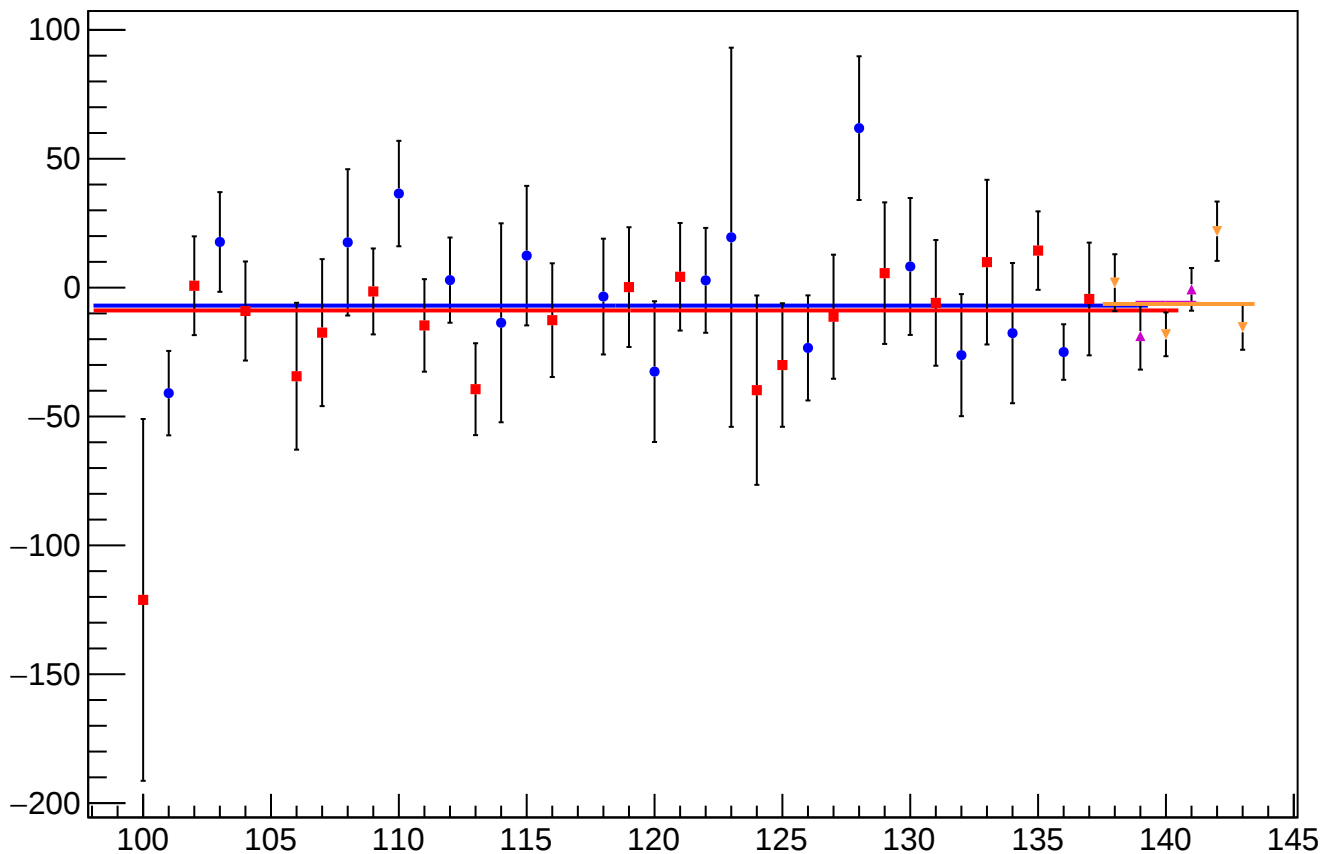
Right Out: 7672.429+/-2.096 χ^2/NDF : 676691.4/18

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

- sign 7278.150+/-1.805 χ^2/NDF : 853576.6/20

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

diff_bpm4ecX_mean vs Slug



Right In: -6.975 ± 5.096 χ^2/NDF : 24.0/16

Left Out: -6.332 ± 4.840 χ^2/NDF : 9.6/3

Right Out: -8.848 ± 5.080 χ^2/NDF : 12.0/18

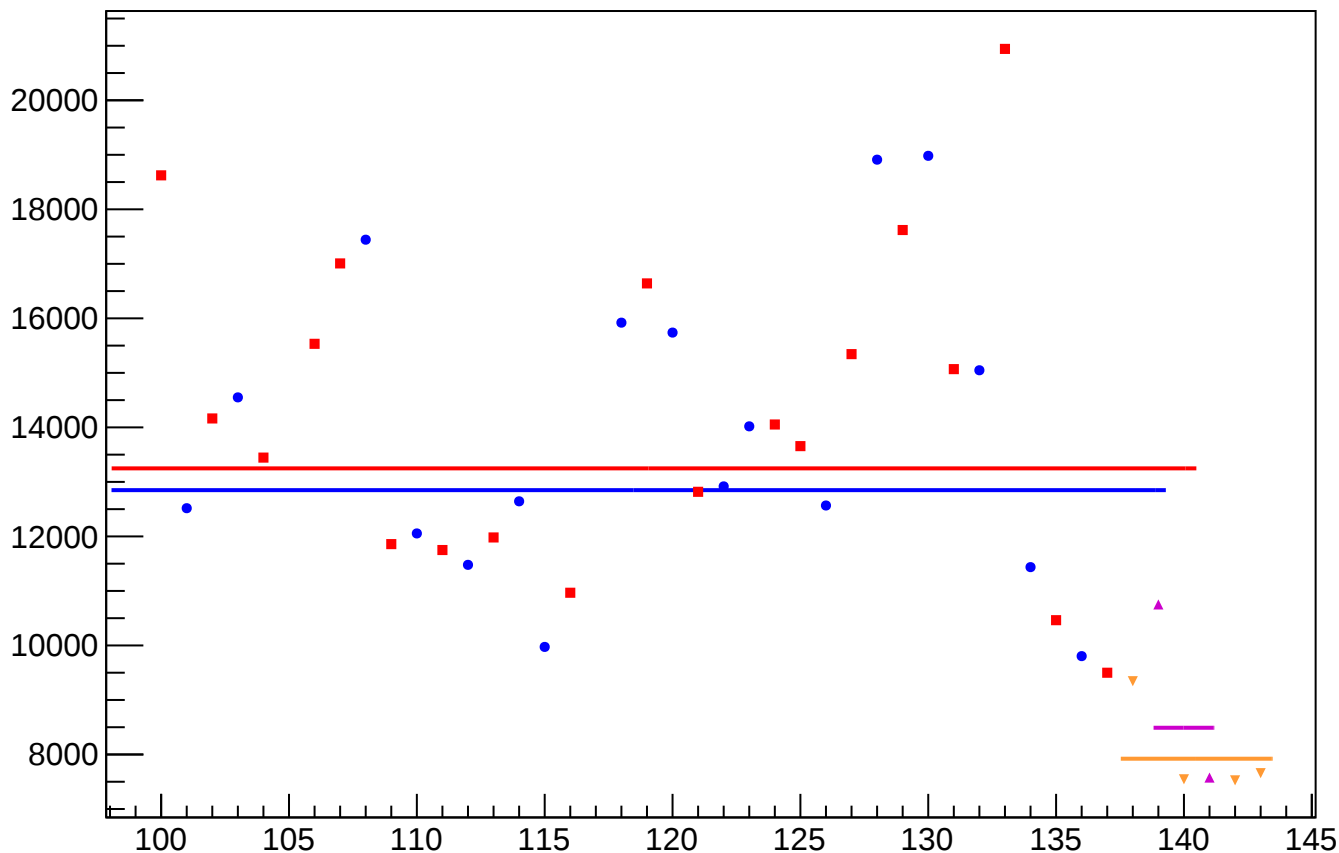
Left In: -5.875 ± 6.991 χ^2/NDF : 1.4/1

+ sign -6.637 ± 3.509 χ^2/NDF : 33.6/20

All: -7.136 ± 2.669 χ^2/NDF : 47.2/41

- sign -7.821 ± 4.110 χ^2/NDF : 13.5/20

diff_bpm4ecX_rms vs Slug



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

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

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

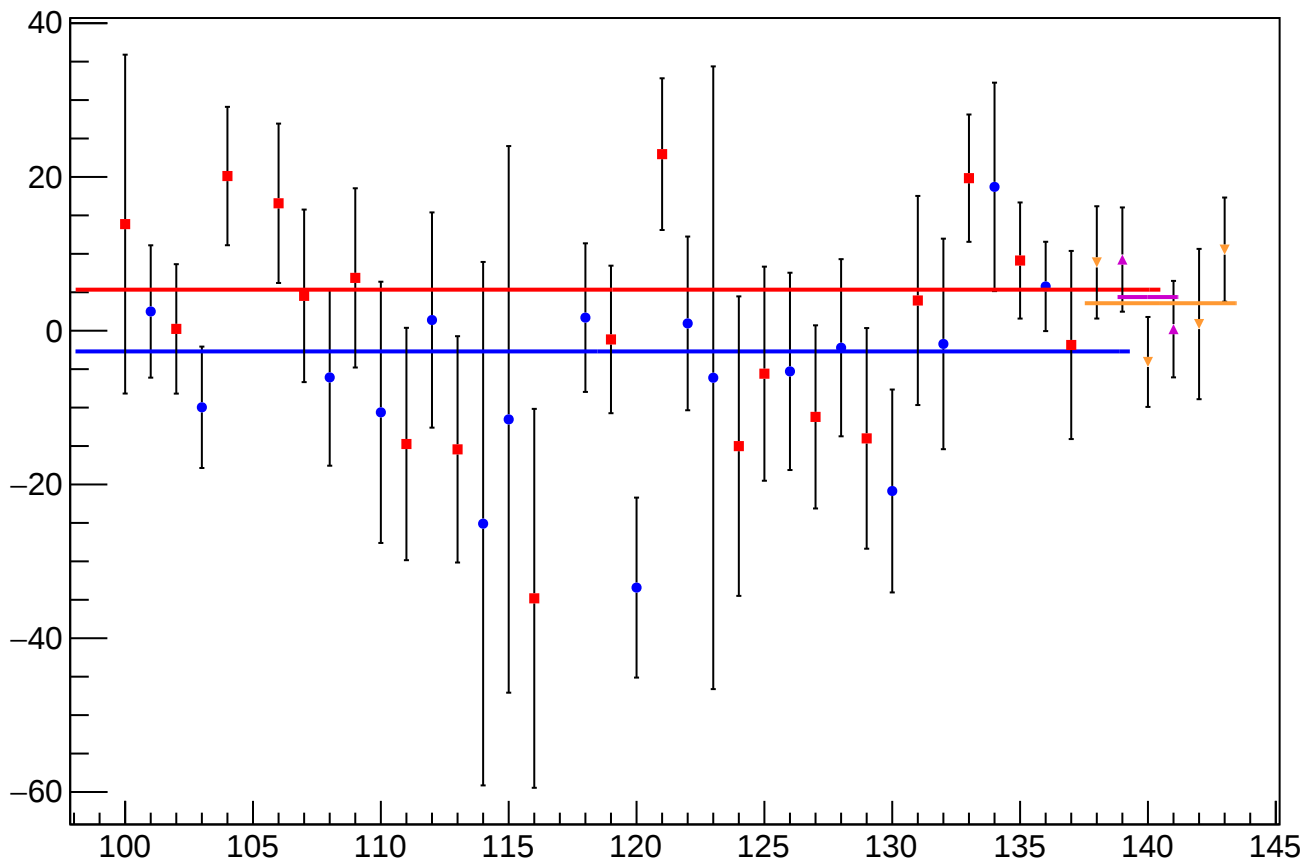
Left In: 8490.187 $\pm$ 4.944 χ^2 /NDF:84566.9/1

+ sign 10258.562 $\pm$ 2.481 χ^2 /NDF: 1576310.0/20

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

- sign 11604.069 $\pm$ 2.906 χ^2 /NDF: 1177990.3/20

diff_bpm4ecY_mean vs Slug



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

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

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

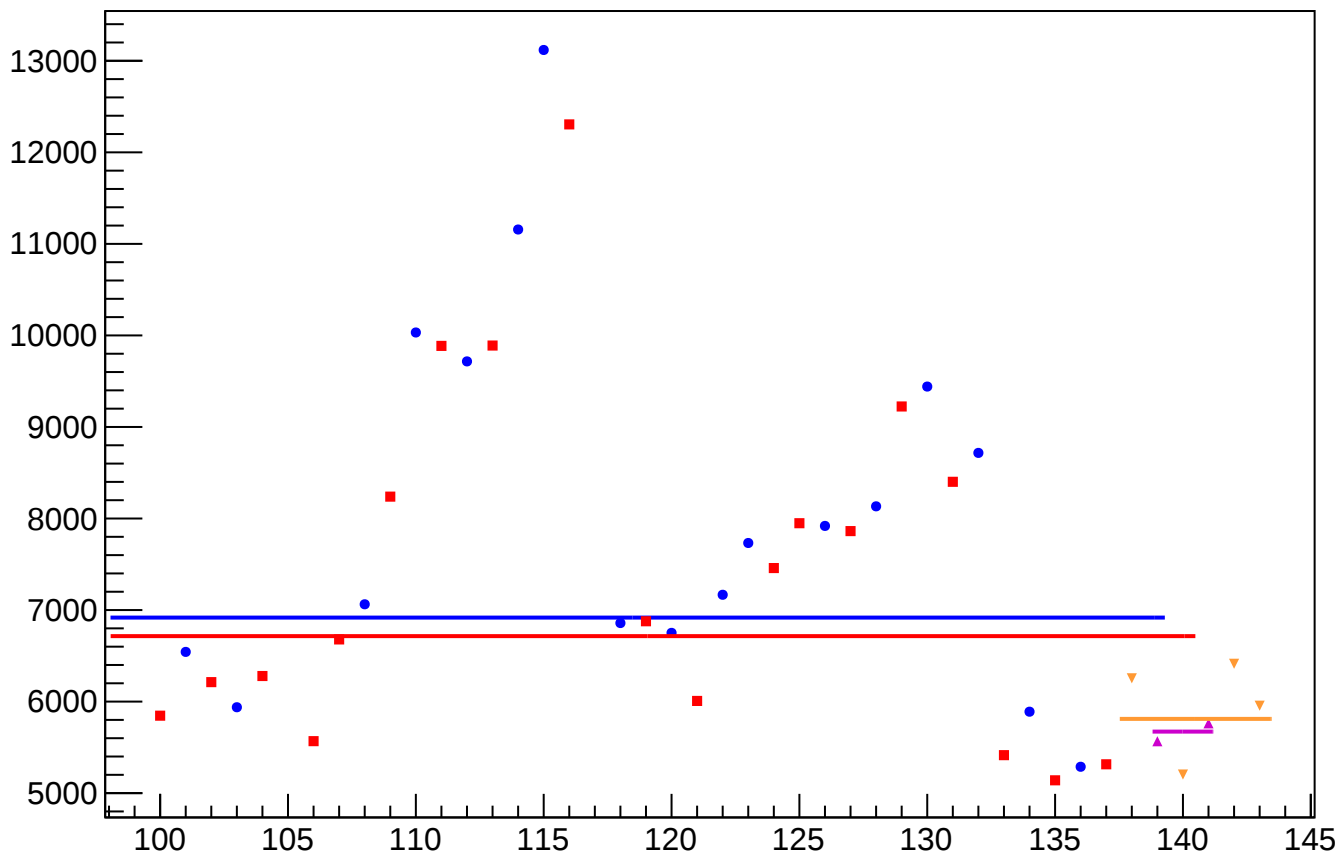
Left In: 4.379 ± 4.605 χ^2/NDF : 1.0/1

+ sign -0.341 ± 2.163 χ^2/NDF : 21.2/20

All: 2.265 ± 1.562 χ^2/NDF : 48.8/41

- sign 5.108 ± 2.259 χ^2/NDF : 24.6/20

diff_bpm4ecY_rms vs Slug



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

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

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

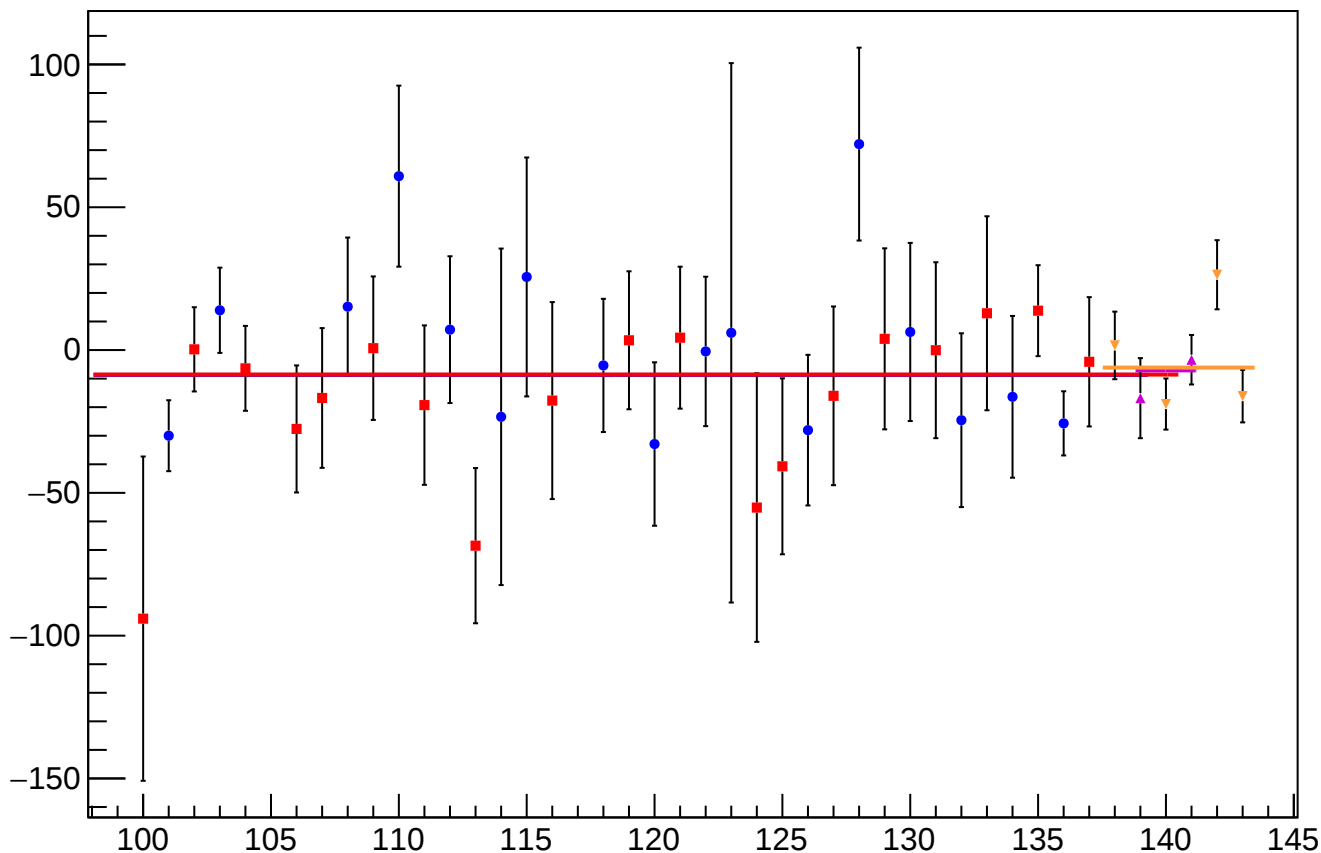
Left In: 5672.116+/-3.256 χ^2/NDF : 895.6/1

+ sign 6502.458+/-1.529 χ^2/NDF : 747343.6/20

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

- sign 6464.133+/-1.597 χ^2/NDF : 738800.9/20

diff_bpm1X_mean vs Slug



Right In: -8.685+/-5.401 χ^2/NDF : 22.1/16

Left Out: -6.145+/-5.112 χ^2/NDF : 10.9/3

Right Out: -8.586+/-5.516 χ^2/NDF : 14.0/18

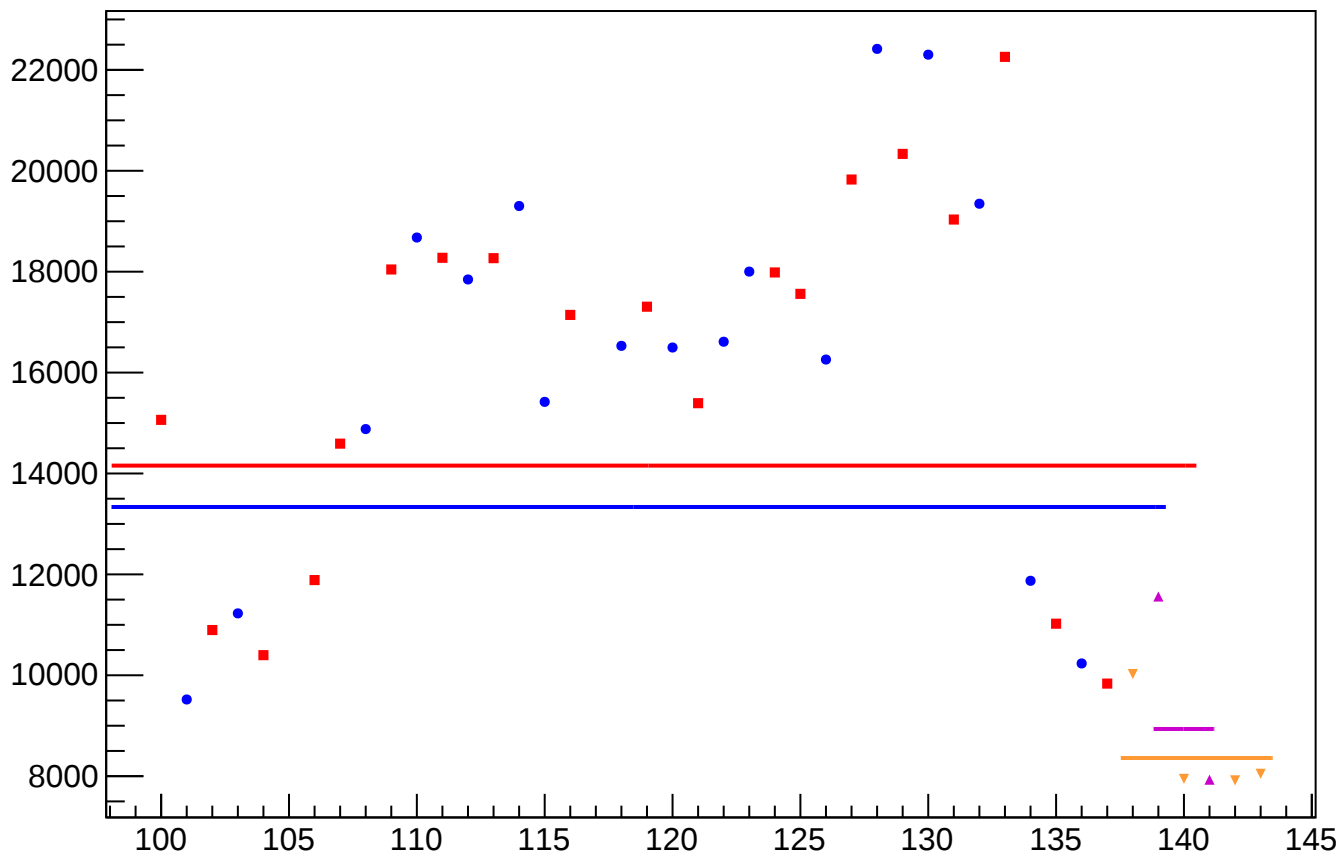
Left In: -7.113+/-7.374 χ^2/NDF : 0.7/1

+ sign -7.345+/-3.713 χ^2/NDF : 33.1/20

All: -7.640+/-2.842 χ^2/NDF : 47.8/41

- sign -8.057+/-4.417 χ^2/NDF : 14.7/20

diff_bpm1X_rms vs Slug



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

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

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

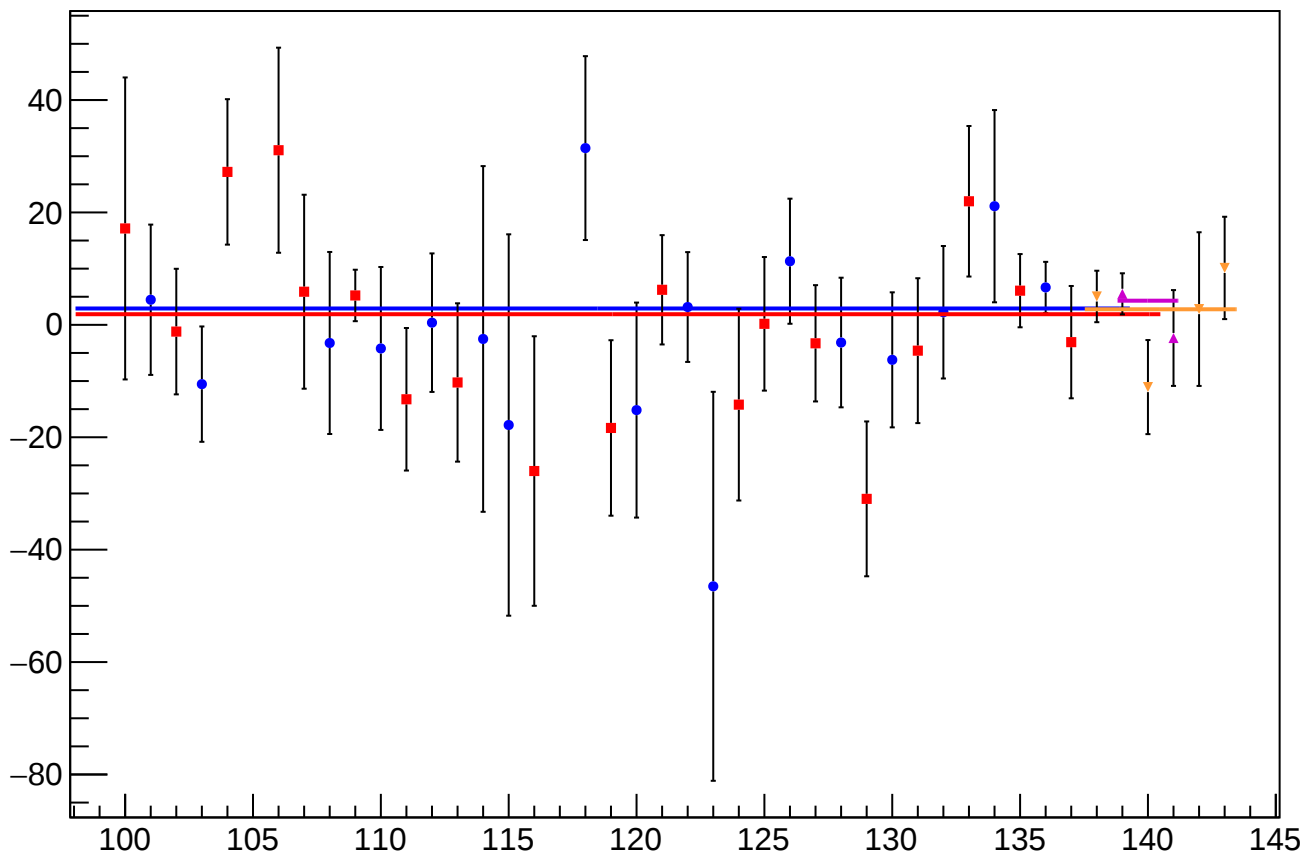
Left In: 8935.574 $\pm$ 5.214 χ^2/NDF : 97075.5/1

+ sign 10711.042 $\pm$ 2.625 χ^2/NDF : 1993415.7/20

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

- sign 12282.935 $\pm$ 3.123 χ^2/NDF : 1672190.2/20

diff_bpm1Y_mean vs Slug



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

Left Out: 2.770 $\pm$ 3.550 χ^2 /NDF: 3.6/3

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

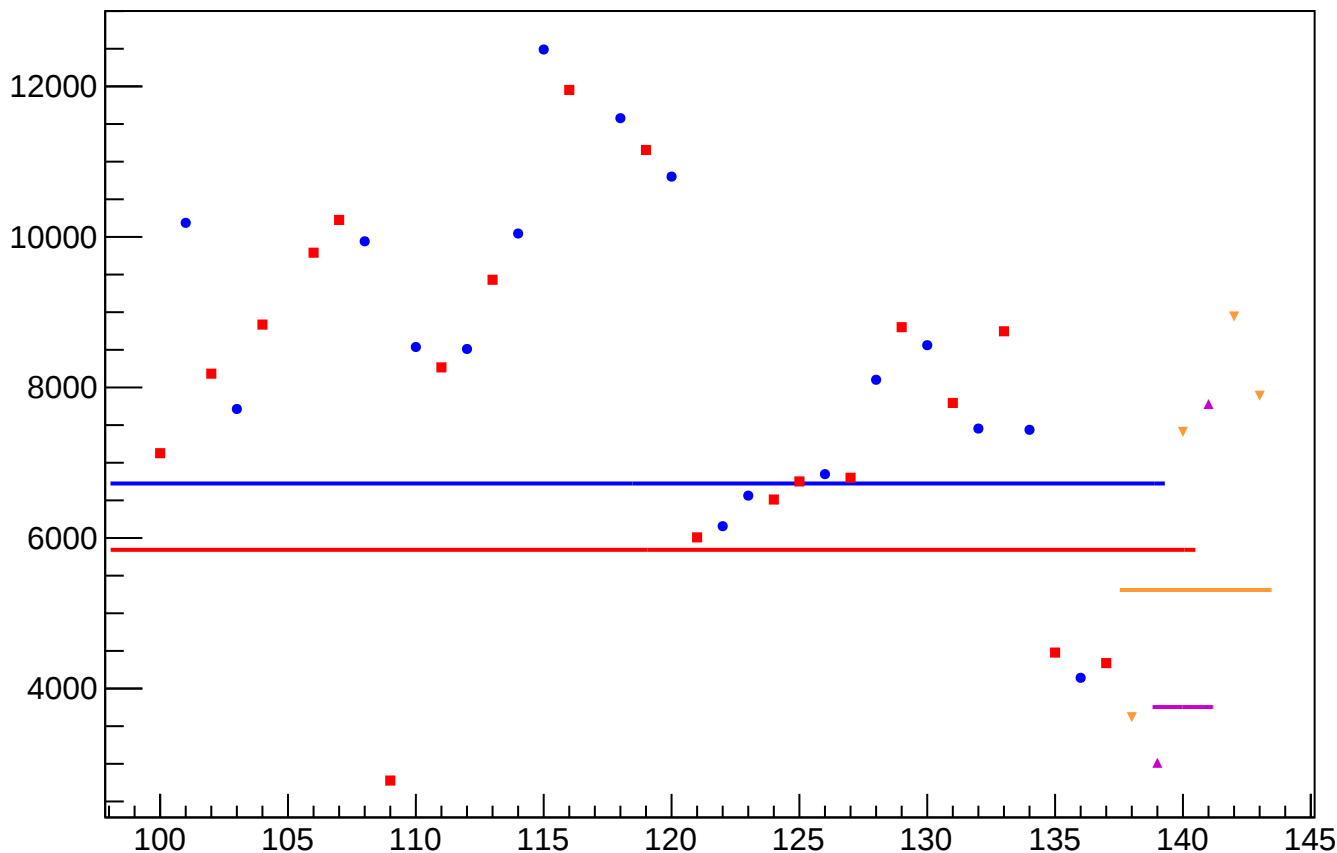
Left In: 4.297 $\pm$ 3.359 χ^2 /NDF: 0.7/1

+ sign 2.858 $\pm$ 2.178 χ^2 /NDF: 15.4/20

All: 2.785 $\pm$ 1.463 χ^2 /NDF: 39.3/41

- sign 2.724 $\pm$ 1.976 χ^2 /NDF: 23.8/20

diff_bpm1Y_rms vs Slug



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

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

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

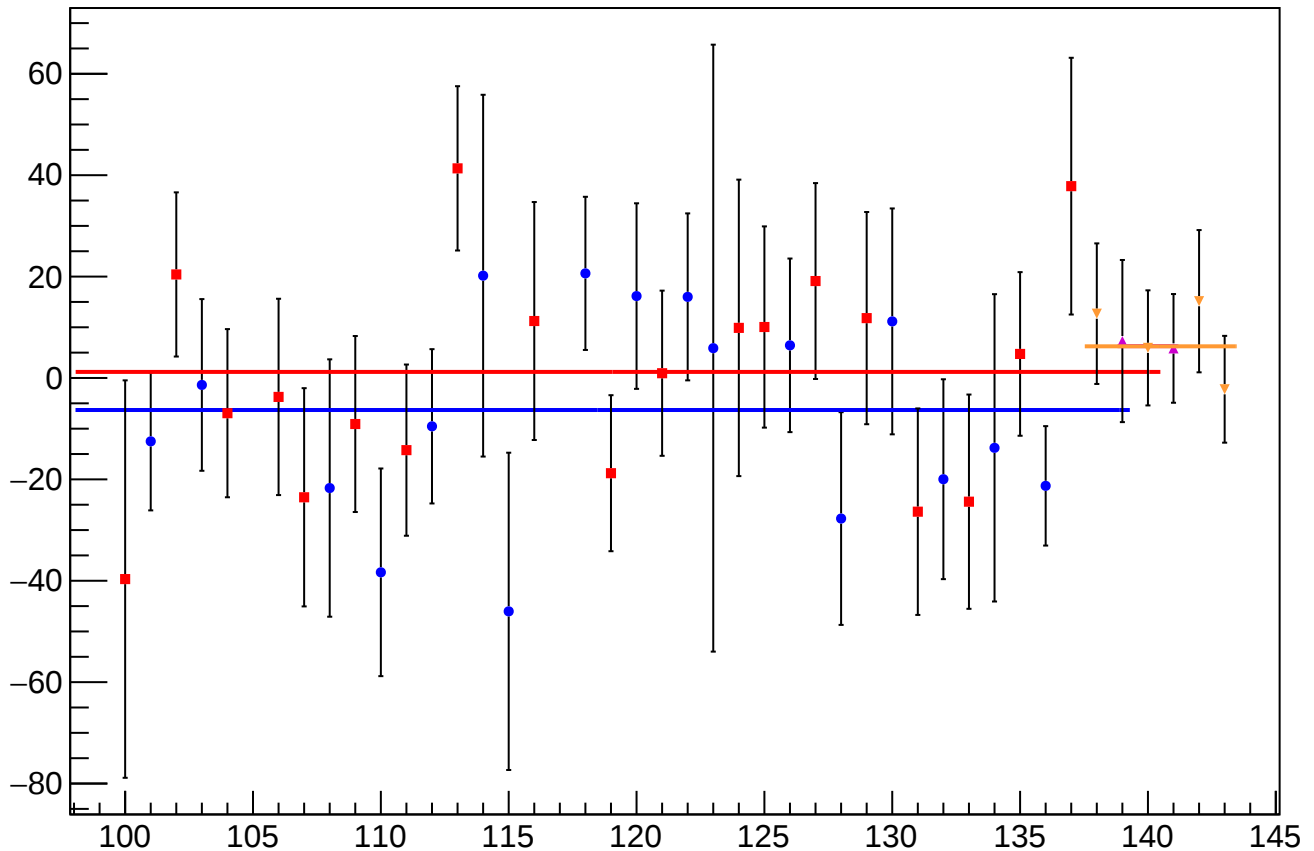
Left In: 3754.554+/-2.375 χ^2/NDF : 528049.8/1

+ sign 6191.734+/-1.540 χ^2/NDF : 2290245.0/20

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

- sign 5120.249+/-1.397 χ^2/NDF : 3314233.0/20

diff_bpm11X_mean vs Slug



Right In: -6.317 ± 4.525 $\chi^2/\text{NDF}: 16.2/16$

Left Out: 6.244 ± 6.080 $\chi^2/\text{NDF}: 1.3/3$

Right Out: 1.197 ± 4.382 $\chi^2/\text{NDF}: 20.2/18$

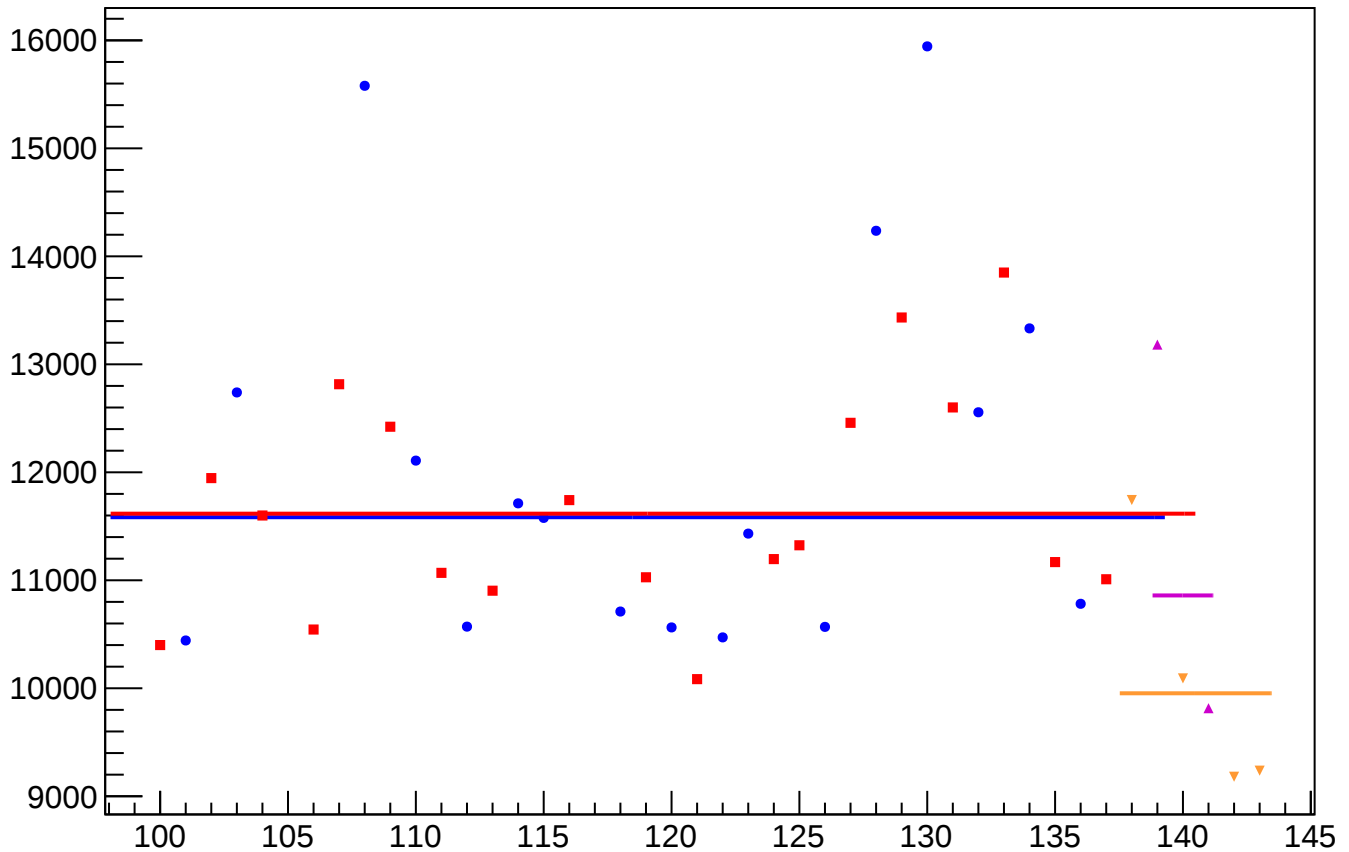
Left In: 6.285 ± 8.905 $\chi^2/\text{NDF}: 0.0/1$

+ sign -1.840 ± 3.630 $\chi^2/\text{NDF}: 20.3/20$

All: 0.014 ± 2.667 $\chi^2/\text{NDF}: 41.3/41$

- sign 2.189 ± 3.932 $\chi^2/\text{NDF}: 20.4/20$

diff_bpm11X_rms vs Slug



Right In: 11584.044 $\pm$ 3.200 χ^2 /NDF: 241550.8/16

Left Out: 9953.547 $\pm$ 4.299 χ^2 /NDF:48938.0/3

Right Out: 11616.845 $\pm$ 3.098 χ^2 /NDF: 95463.1/18

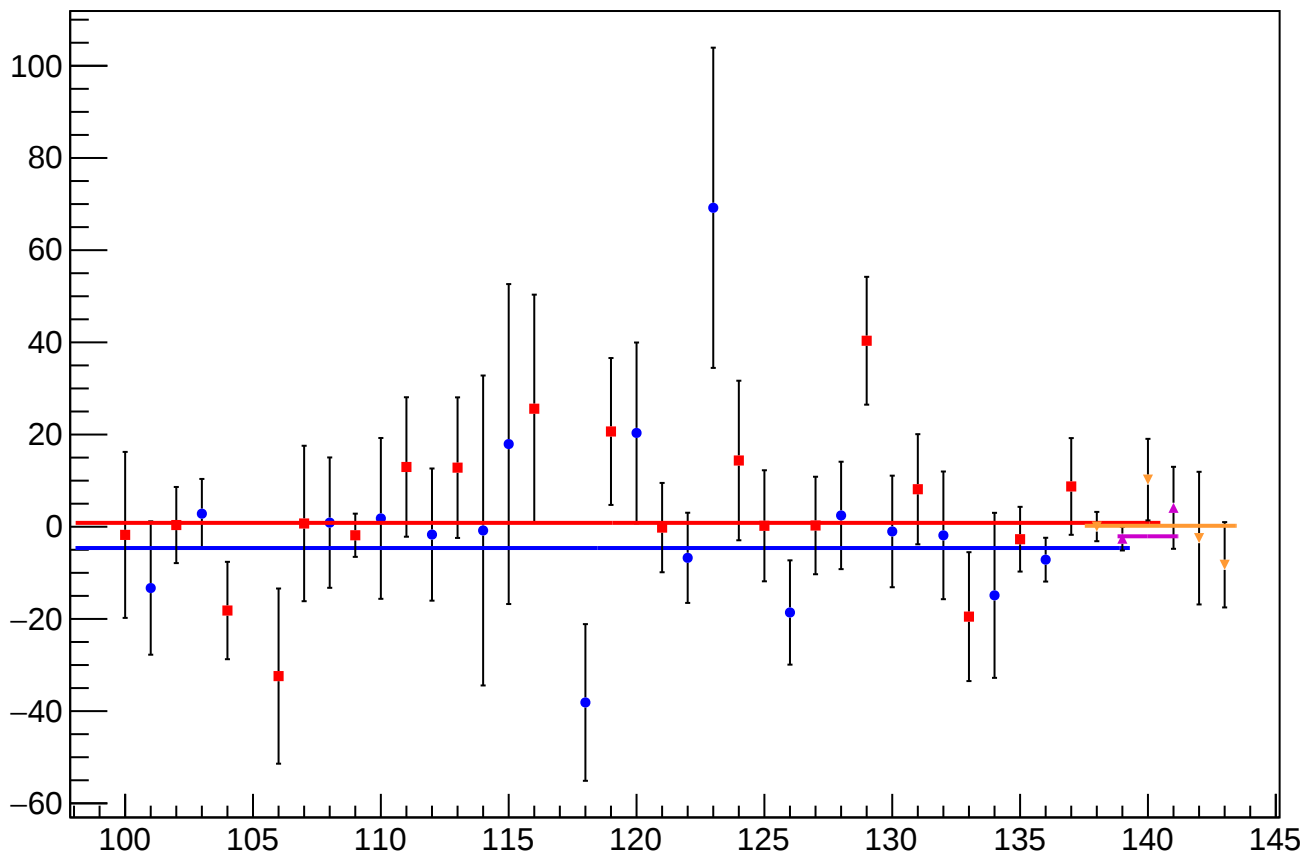
Left In: 10859.701 $\pm$ 6.297 χ^2 /NDF:61172.4/1

+ sign 11002.839 $\pm$ 2.567 χ^2 /NDF: 383054.9/20

All: 11217.478 $\pm$ 1.886 χ^2 /NDF: 566525.3/41

- sign 11469.272 $\pm$ 2.780 χ^2 /NDF: 168274.6/20

diff_bpm11Y_mean vs Slug



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

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

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

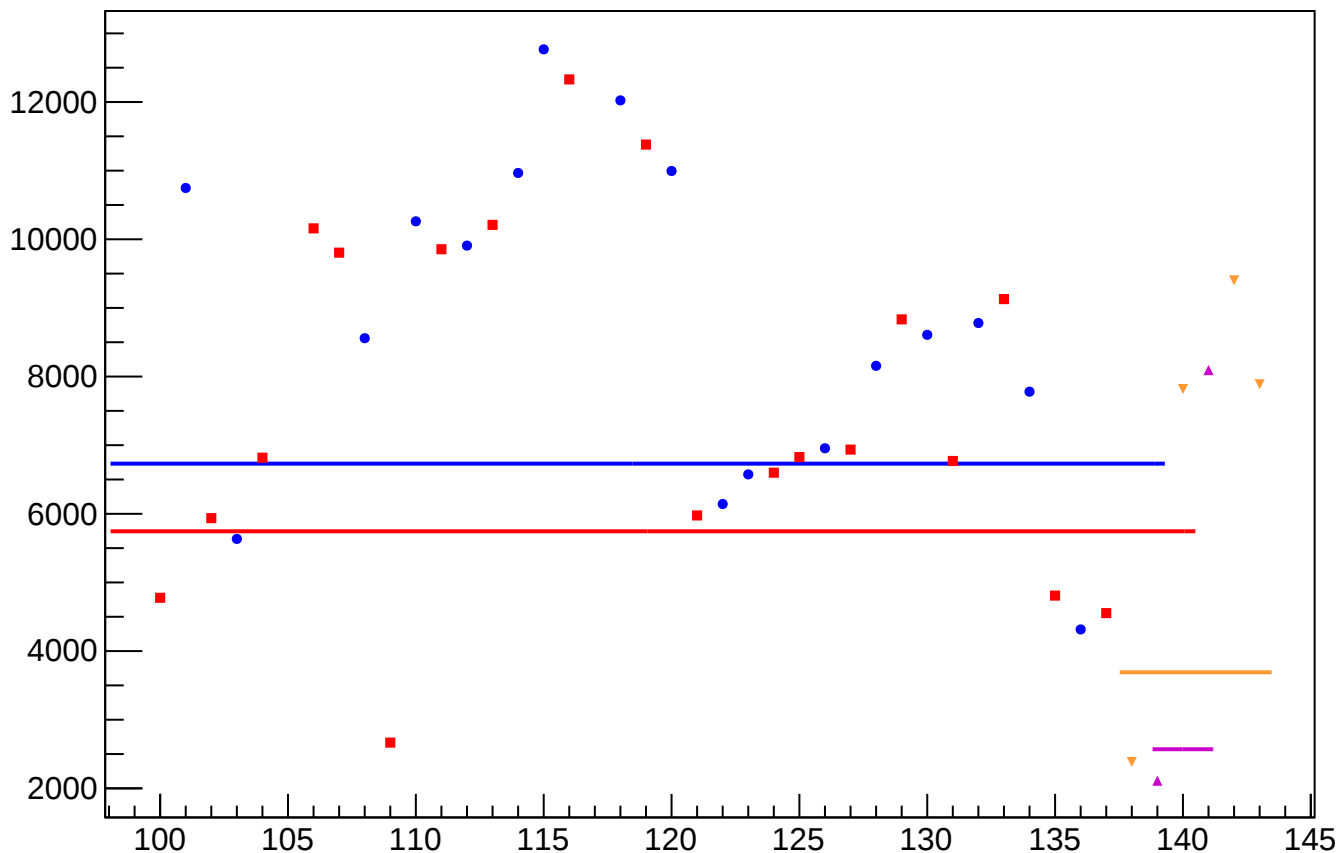
Left In: -2.074 ± 2.461 χ^2/NDF : 0.5/1

+ sign -2.213 ± 1.970 χ^2/NDF : 18.5/20

All: -1.301 ± 1.300 χ^2/NDF : 42.6/41

- sign -0.598 ± 1.729 χ^2/NDF : 23.8/20

diff_bpm11Y_rms vs Slug



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

Left Out: 3690.808+/-1.974 χ^2/NDF : 1499738.5/3

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

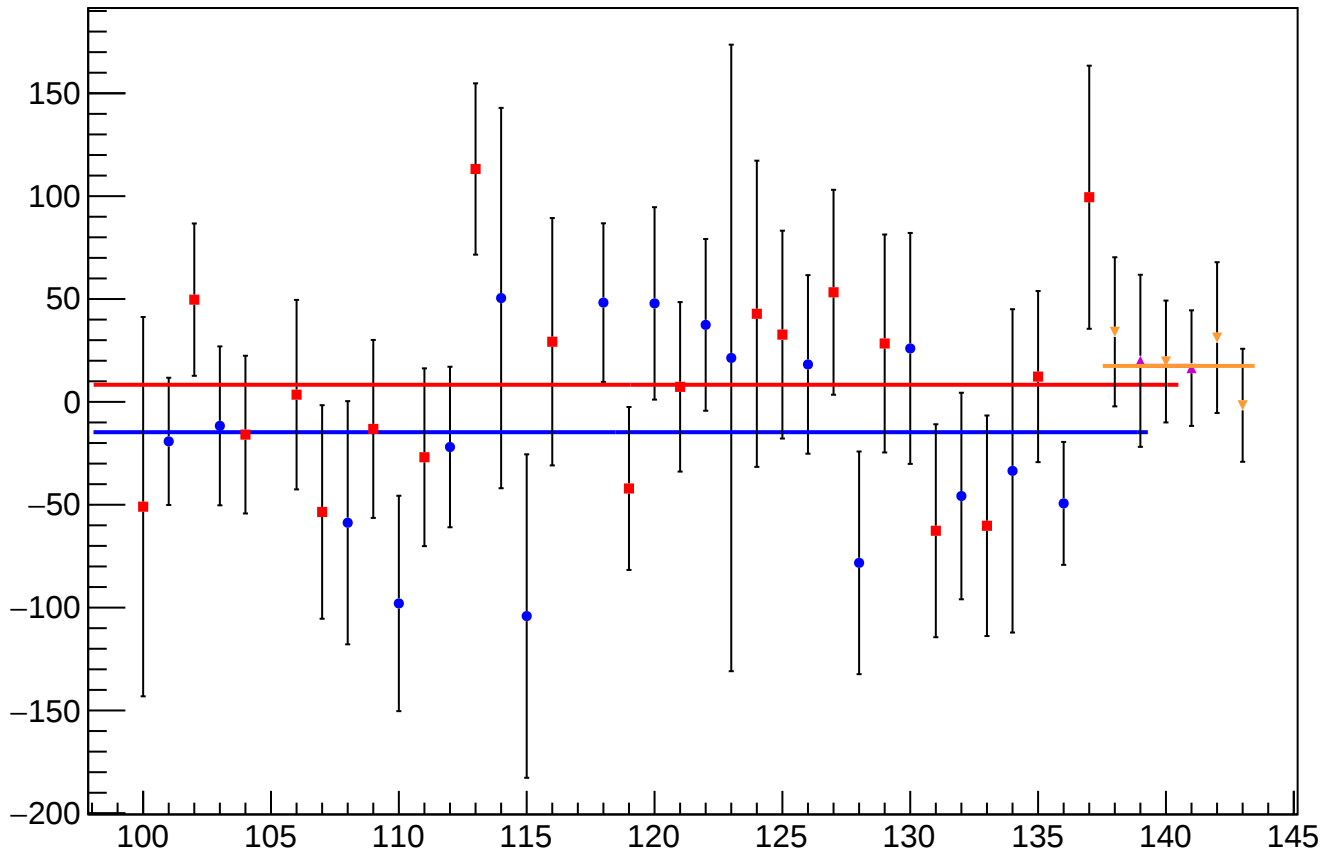
Left In: 2569.908+/-1.740 χ^2/NDF : 835522.3/1

+ sign 5216.081+/-1.393 χ^2/NDF : 4134532.2/20

All: 4629.422+/-0.919 χ^2/NDF : 9134424.3/41

- sign 4177.517+/-1.223 χ^2/NDF : 4686036.8/20

diff_bpm12X_mean vs Slug



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

Left Out: 17.472 ± 15.870 χ^2/NDF : 0.8/3

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

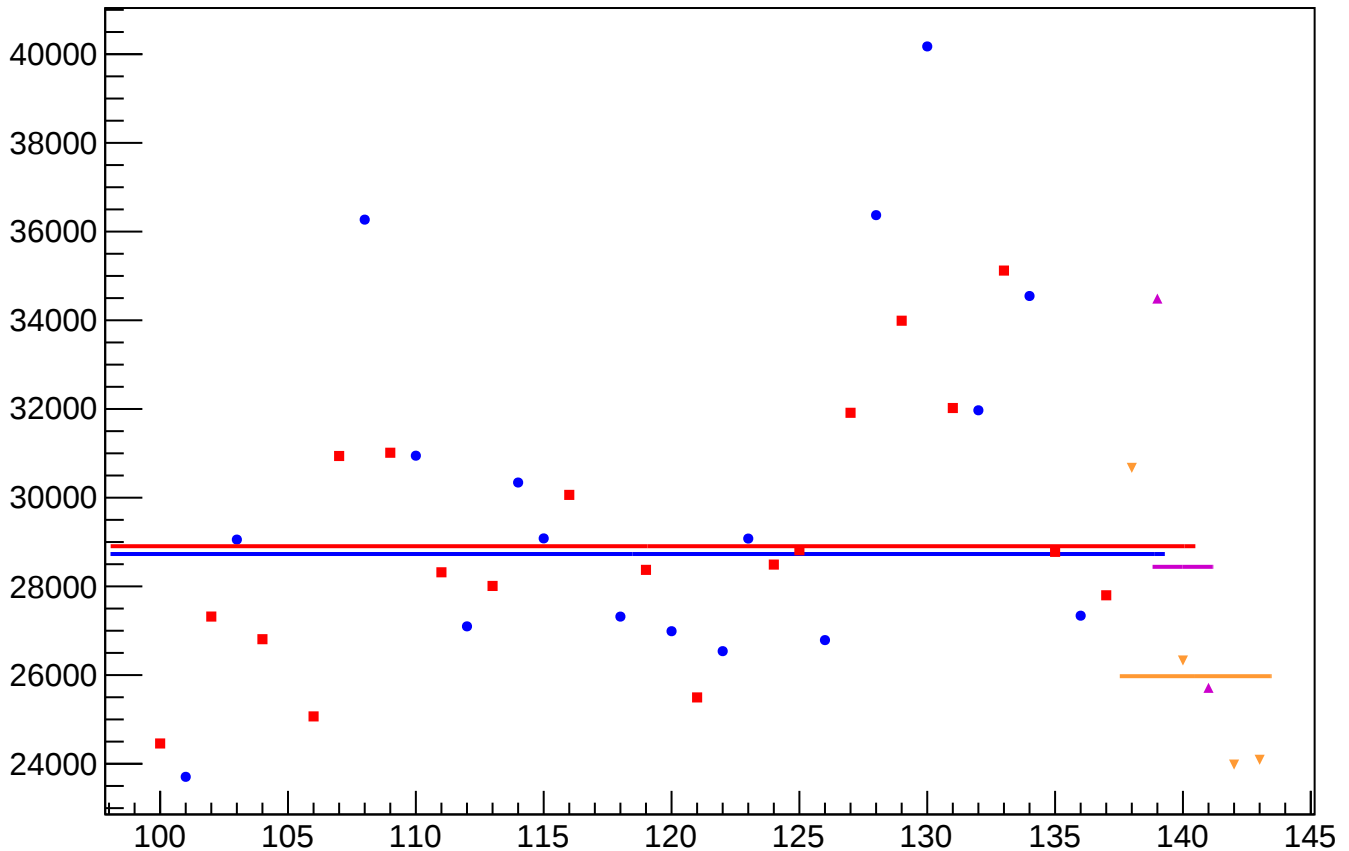
Left In: 17.513 ± 23.320 χ^2/NDF : 0.0/1

+ sign -3.980 ± 9.171 χ^2/NDF : 18.9/20

All: 2.476 ± 6.723 χ^2/NDF : 39.5/41

- sign 9.974 ± 9.884 χ^2/NDF : 19.6/20

diff_bpm12X_rms vs Slug



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

Left Out: 25974.911+/-11.222 χ^2/NDF : 49214.1/3

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

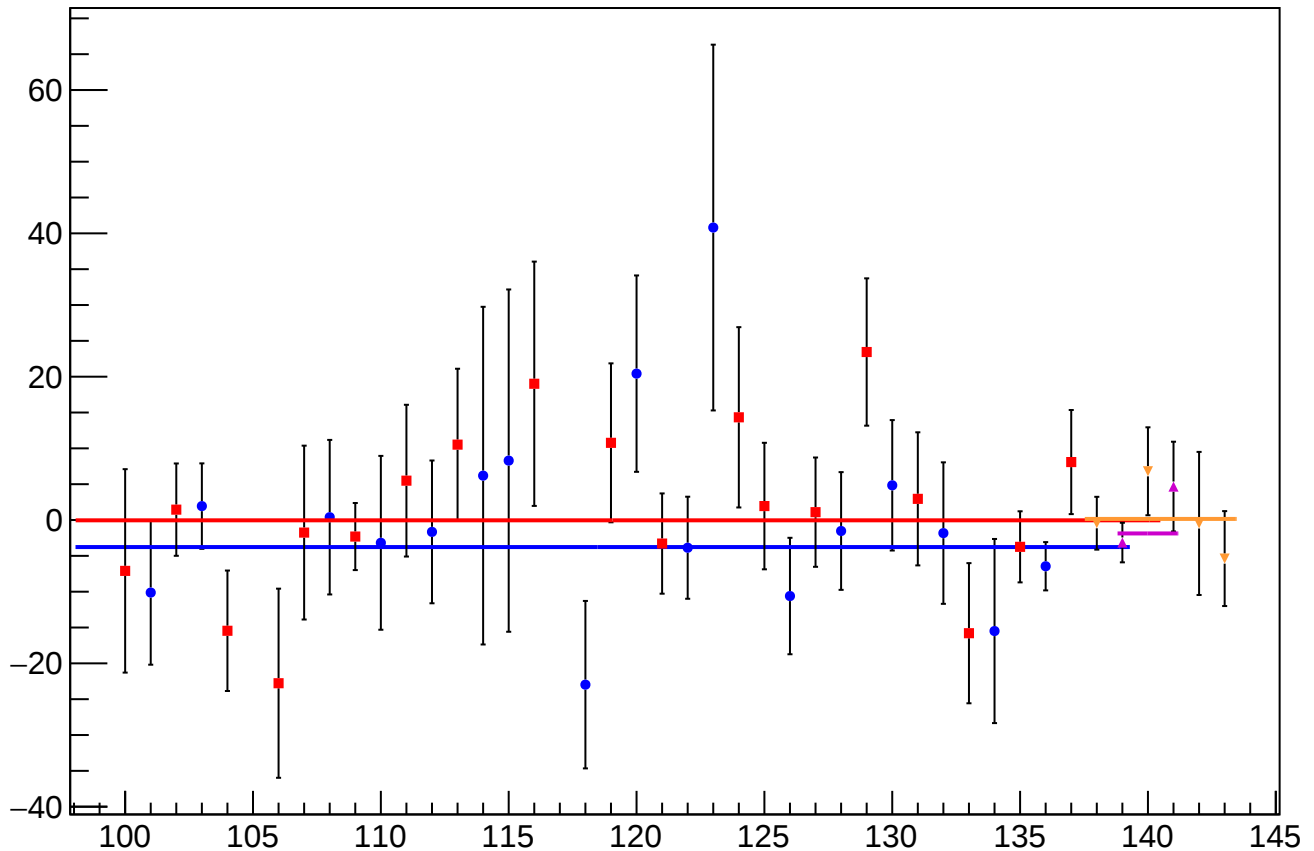
Left In: 28441.124+/-16.490 χ^2/NDF : 60685.8/1

+ sign 27809.962+/-6.485 χ^2/NDF : 344174.5/20

All: 28278.321+/-4.754 χ^2/NDF : 529455.5/41

- sign 28822.324+/-6.989 χ^2/NDF : 174005.7/20

diff_bpm12Y_mean vs Slug



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

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

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

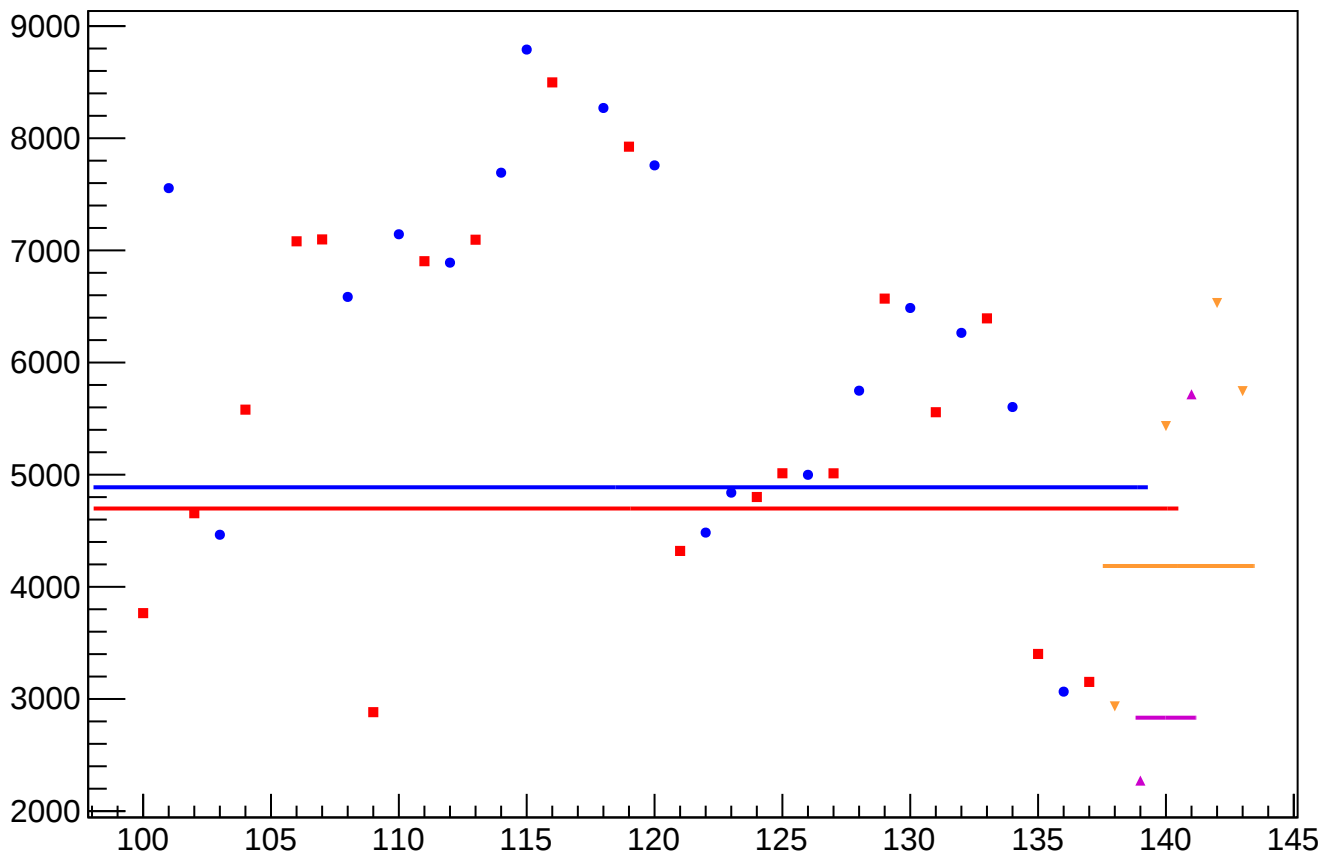
Left In: -1.873 ± 2.527 χ^2/NDF : 1.3/1

+ sign -2.400 ± 1.621 χ^2/NDF : 17.2/20

All: -1.493 ± 1.107 χ^2/NDF : 41.1/41

- sign -0.701 ± 1.516 χ^2/NDF : 23.3/20

diff_bpm12Y_rms vs Slug



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

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

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

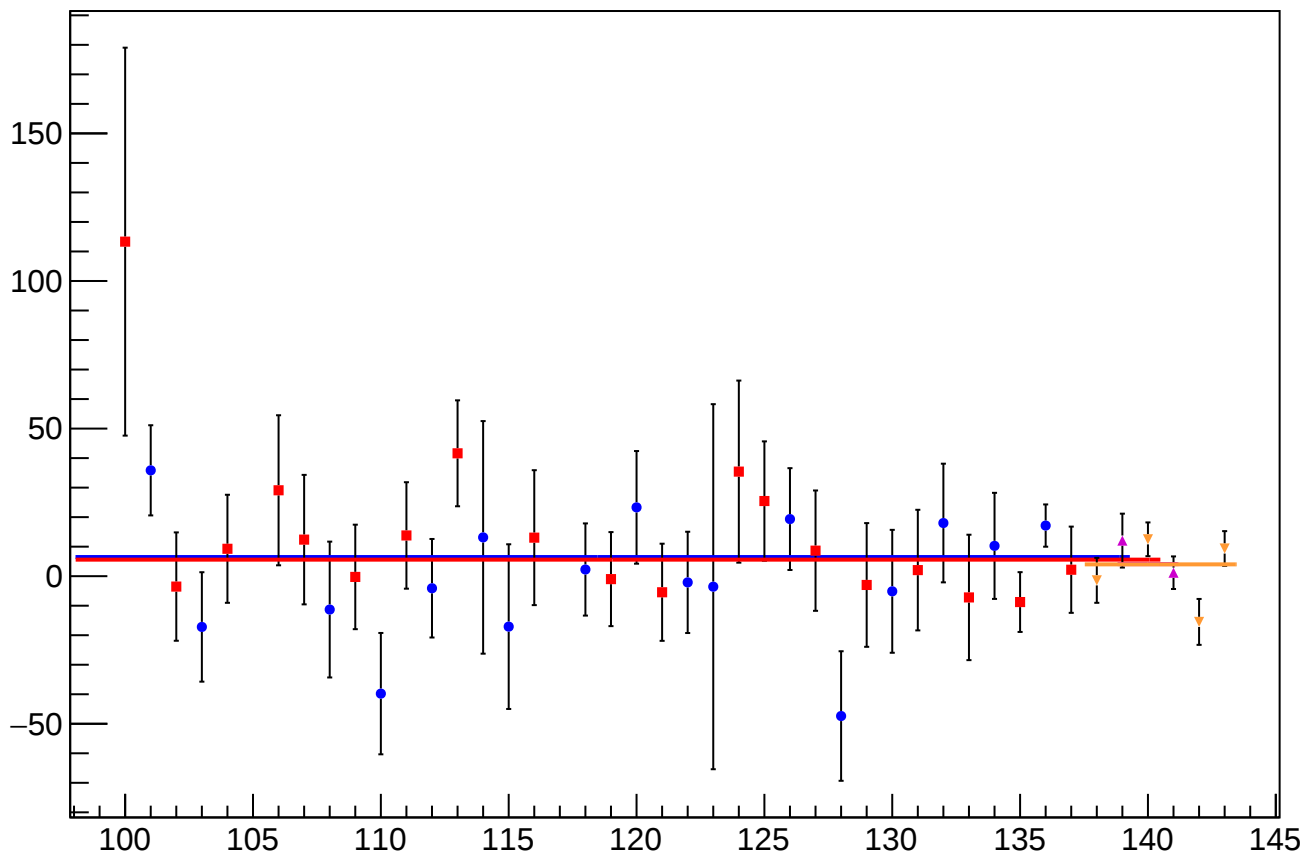
Left In: 2833.192+/-1.787 χ^2/NDF : 506593.8/1

+ sign 4642.352+/-1.146 χ^2/NDF : 2028647.3/20

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

- sign 4027.324+/-1.072 χ^2/NDF : 2520439.0/20

diff_bpm16X_mean vs Slug



Right In: 6.482 ± 4.072 χ^2/NDF : 22.7/16

Left Out: 4.000 ± 3.274 χ^2/NDF : 9.8/3

Right Out: 5.601 ± 4.227 χ^2/NDF : 13.6/18

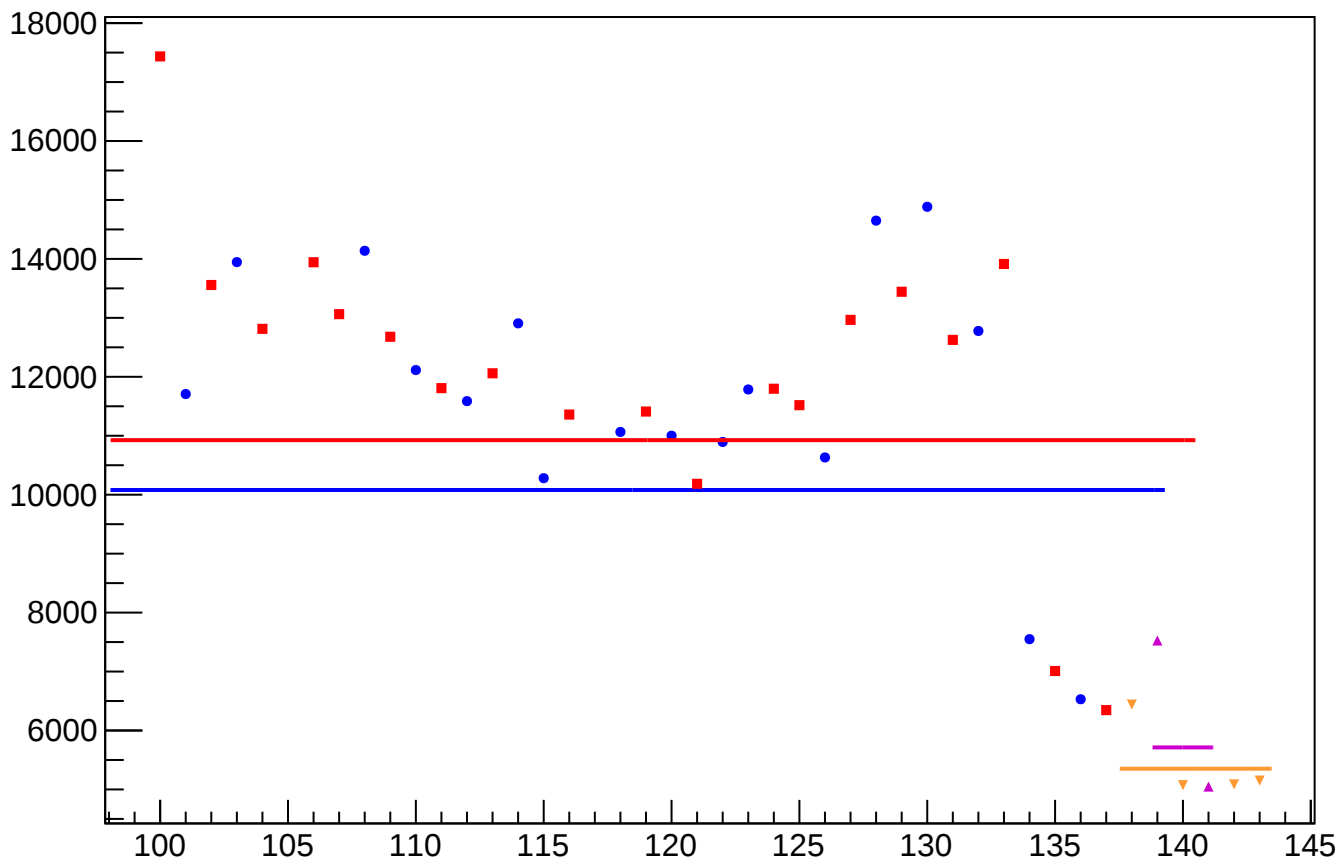
Left In: 4.090 ± 4.723 χ^2/NDF : 1.0/1

+ sign 4.975 ± 2.551 χ^2/NDF : 32.8/20

All: 4.956 ± 1.983 χ^2/NDF : 47.5/41

- sign 4.929 ± 3.150 χ^2/NDF : 14.6/20

diff_bpm16X_rms vs Slug



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

Left Out: 5351.762+/-2.315 χ^2/NDF : 50348.5/3

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

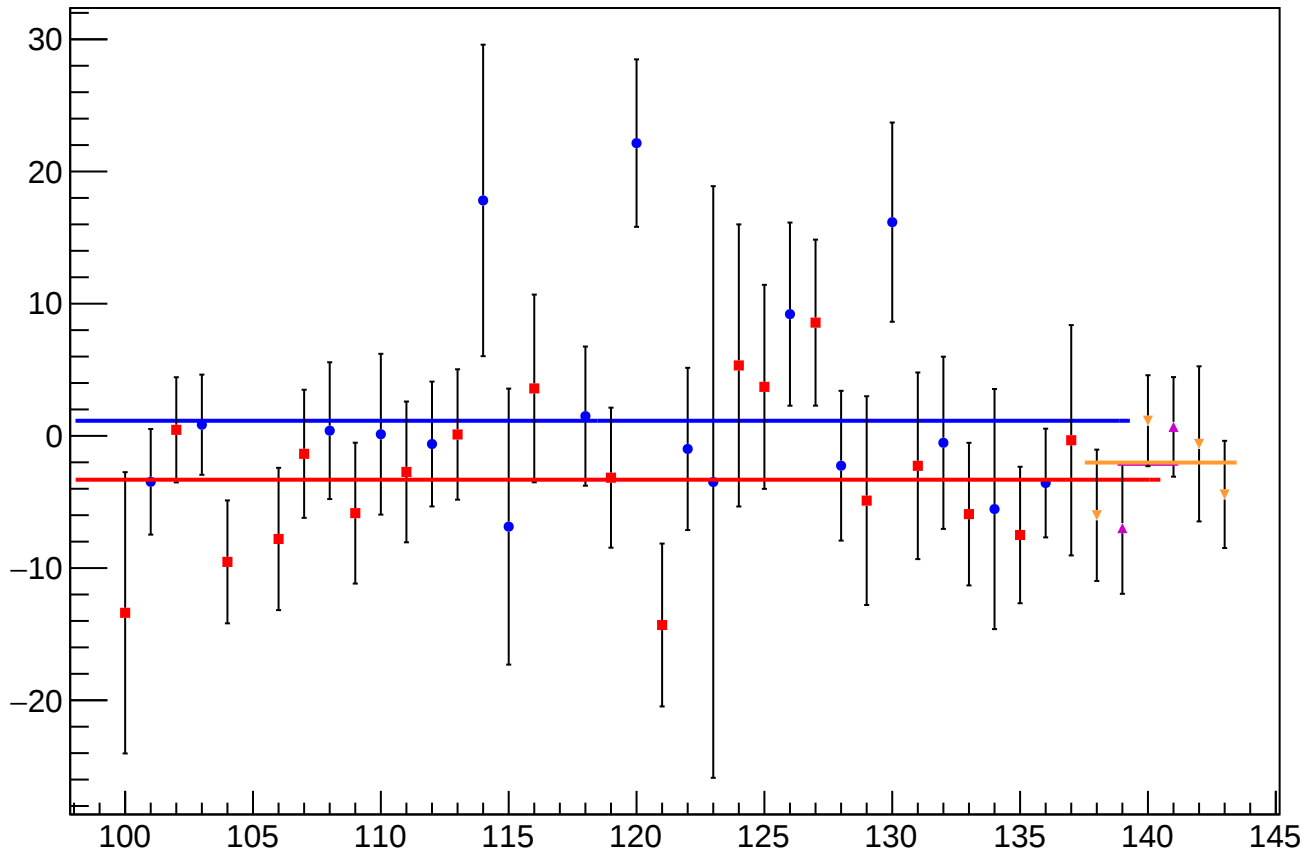
Left In: 5712.854+/-3.340 χ^2/NDF : 108005.2/1

+ sign 7207.981+/-1.804 χ^2/NDF : 2687514.2/20

All: 7762.319+/-1.402 χ^2/NDF : 5155724.4/41

- sign 8607.157+/-2.227 χ^2/NDF : 2229929.8/20

diff_bpm16Y_mean vs Slug



Right In: 1.144 $\pm$ 1.398 χ^2 /NDF: 22.9/16

Left Out: -2.018 $\pm$ 2.158 χ^2 /NDF: 1.9/3

Right Out: -3.316 $\pm$ 1.335 χ^2 /NDF: 15.4/18

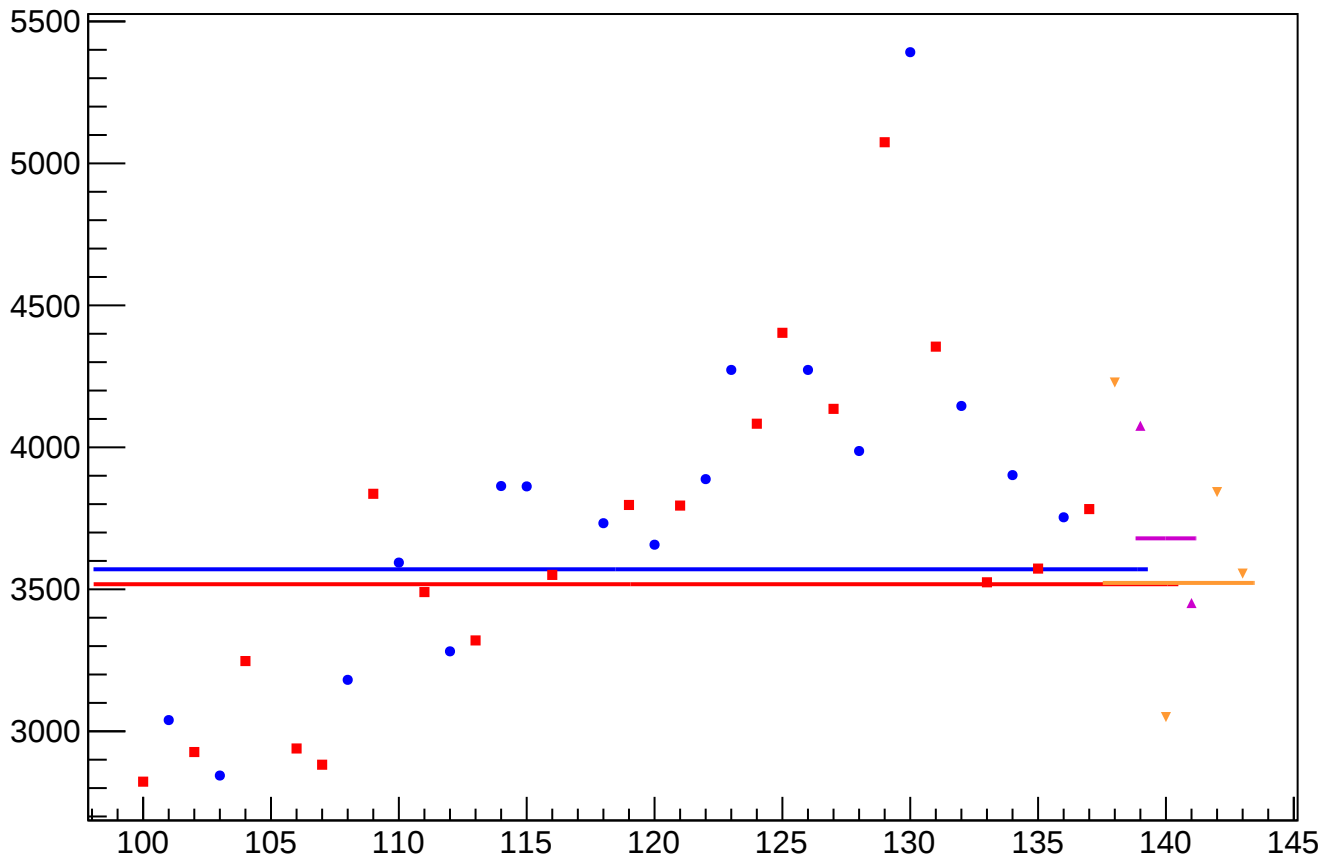
Left In: -2.115 $\pm$ 3.002 χ^2 /NDF: 1.5/1

+ sign 0.209 $\pm$ 1.173 χ^2 /NDF: 26.3/20

All: -1.389 $\pm$ 0.846 χ^2 /NDF: 47.2/41

- sign -3.118 $\pm$ 1.220 χ^2 /NDF: 17.1/20

diff_bpm16Y_rms vs Slug



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

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

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

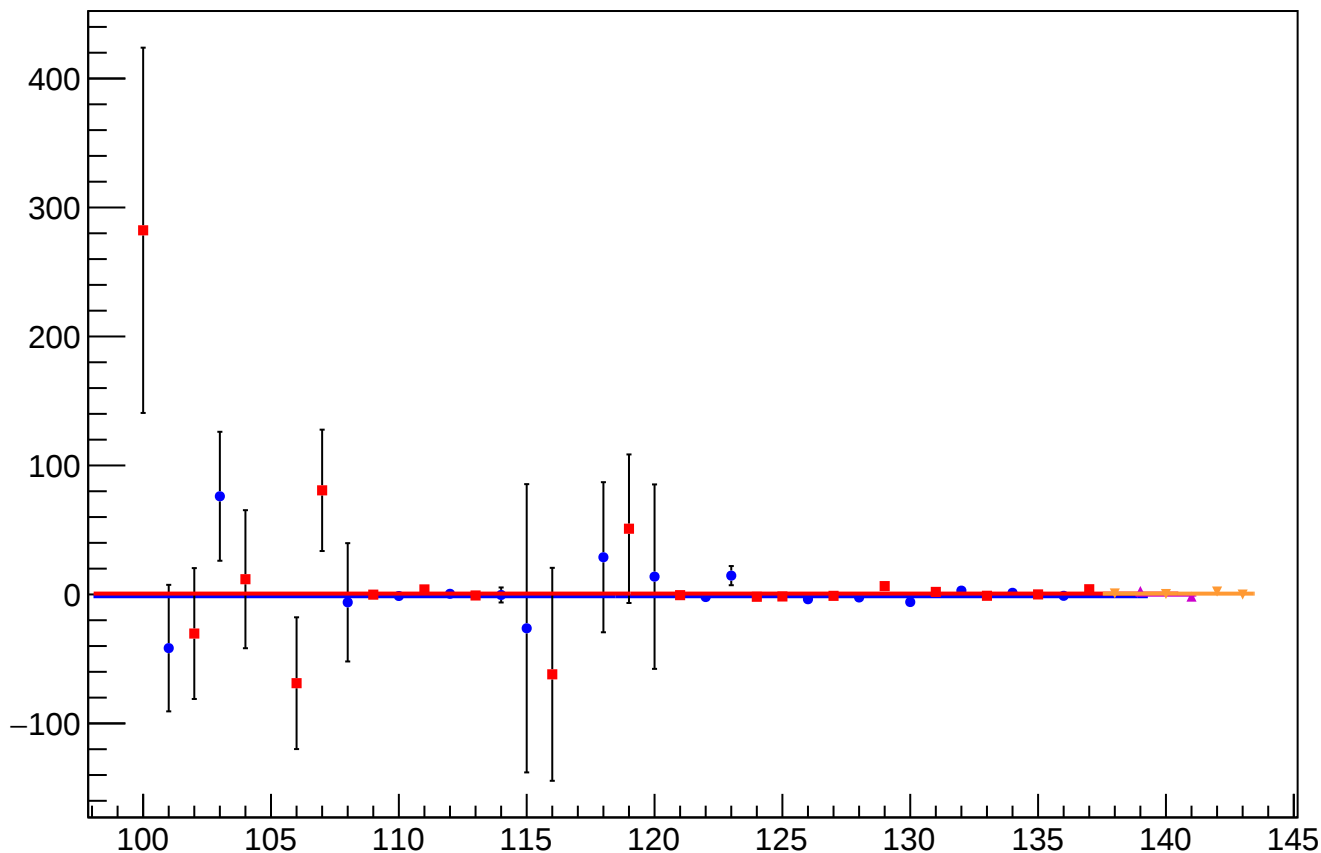
Left In: 3679.491 $\pm$ 2.123 χ^2 /NDF:20040.7/1

+ sign 3556.353 $\pm$ 0.829 χ^2 /NDF: 395251.6/20

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

- sign 3544.630 $\pm$ 0.863 χ^2 /NDF: 321051.8/20

diff_bpm1p02bX_mean vs Slug



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

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

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

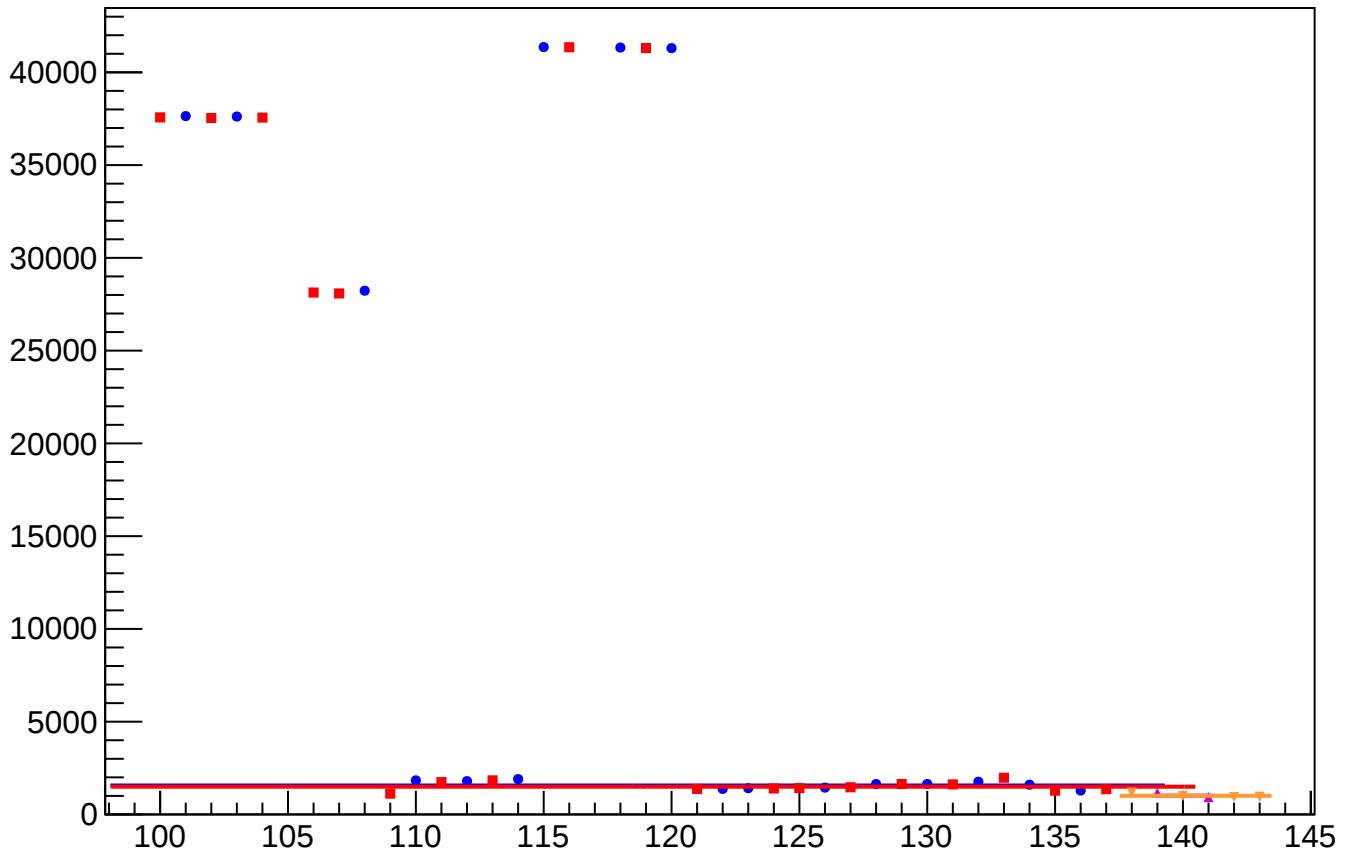
Left In: -0.212 ± 0.828 χ^2/NDF : 6.2/1

+ sign -0.186 ± 0.475 χ^2/NDF : 22.9/20

All: 0.022 ± 0.357 χ^2/NDF : 51.6/41

- sign 0.291 ± 0.540 χ^2/NDF : 28.3/20

diff_bpm1p02bX_rms vs Slug



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

Left Out: 1004.776+/-0.434 χ^2/NDF : 41886.3/3

+ sign 1227.238+/-0.336 χ^2/NDF : 5452622.0/20

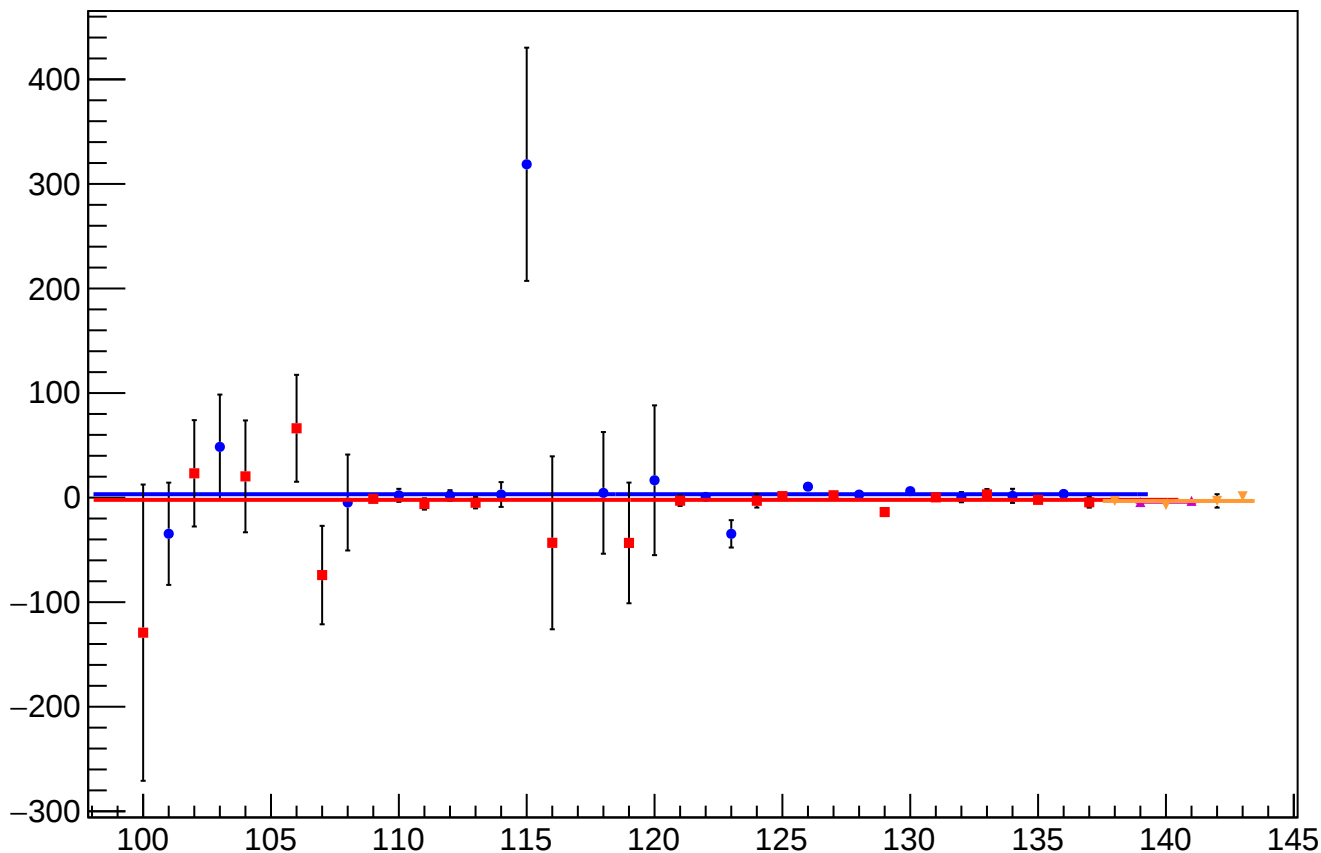
Right Out: 1496.346+/-0.504 χ^2/NDF : 4893466.6/18

All: 1255.017+/-0.252 χ^2/NDF : 10787088.8/4

- sign 1290.989+/-0.382 χ^2/NDF : 5318762.3/20

Left In: 1013.848+/-0.586 χ^2/NDF : 35538.6/1

diff_bpm1p02bY_mean vs Slug



Right In: 3.232 ± 1.328 χ^2/NDF : 22.2/16

Left Out: -3.210 ± 1.737 χ^2/NDF : 2.0/3

Right Out: -2.138 ± 1.239 χ^2/NDF : 16.5/18

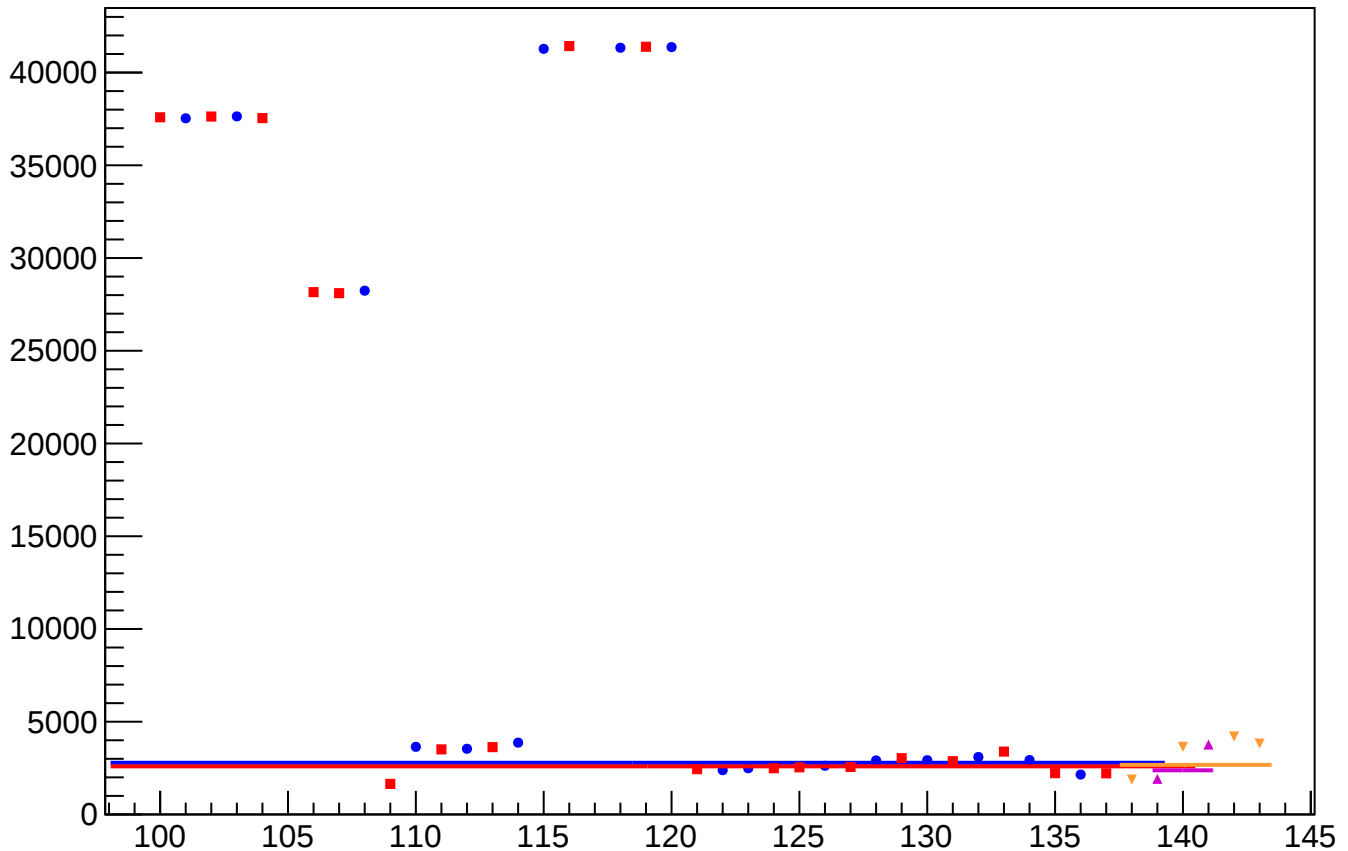
Left In: -3.933 ± 2.051 χ^2/NDF : 0.1/1

+ sign 0.857 ± 1.055 χ^2/NDF : 32.9/20

All: -0.871 ± 0.748 χ^2/NDF : 55.4/41

- sign -2.618 ± 1.061 χ^2/NDF : 17.1/20

diff_bpm1p02bY_rms vs Slug



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

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

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

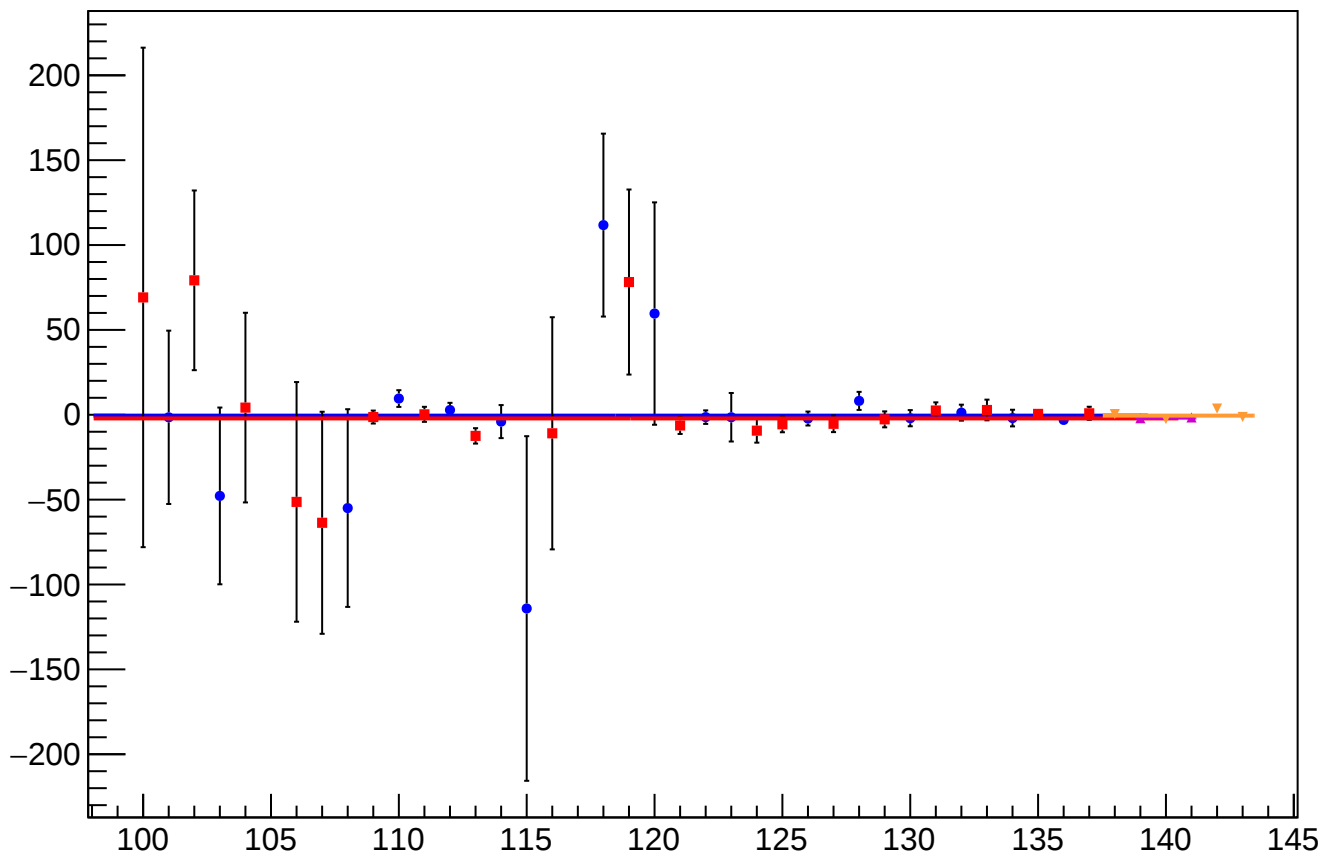
Left In: 2379.852 ± 1.450 $\chi^2/\text{NDF}: 303357.3/1$

+ sign 2744.564 ± 0.746 $\chi^2/\text{NDF}: 5191221.7/20$

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

- sign 2536.619 ± 0.750 $\chi^2/\text{NDF}: 5167701.4/20$

diff_bpm1p03aX_mean vs Slug



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

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

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

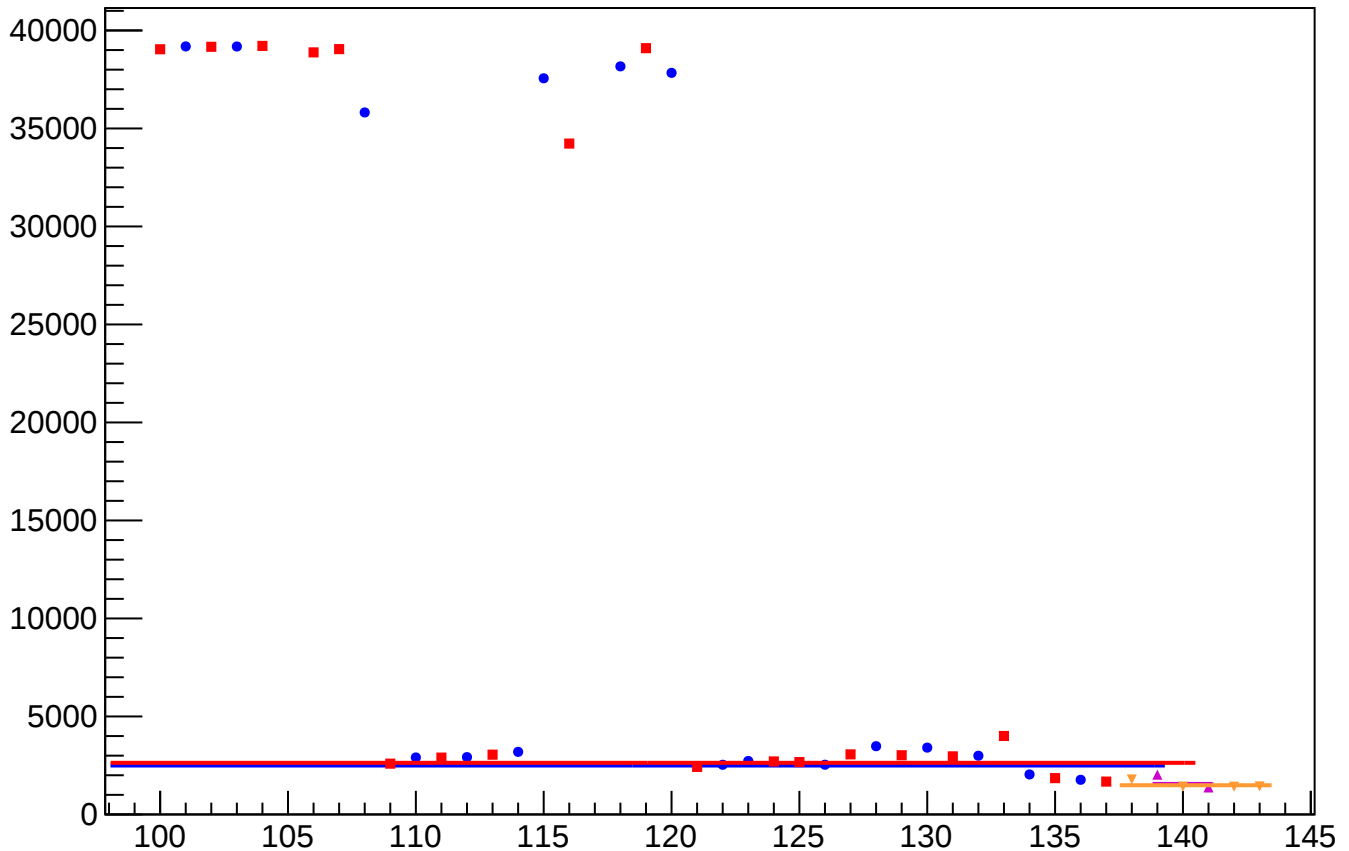
Left In: -1.697 ± 1.285 χ^2/NDF : 0.0/1

+ sign -0.503 ± 0.730 χ^2/NDF : 23.7/20

All: -1.073 ± 0.566 χ^2/NDF : 42.9/41

- sign -1.931 ± 0.896 χ^2/NDF : 17.7/20

diff_bpm1p03aX_rms vs Slug



Right In: 2496.856 $\pm$ 0.864 χ^2 /NDF: 4887806.1/16

Left Out: 1490.535 $\pm$ 0.644 χ^2 /NDF: 48219.2/3

Right Out: 2634.601 $\pm$ 0.884 χ^2 /NDF: 4861733.2/18

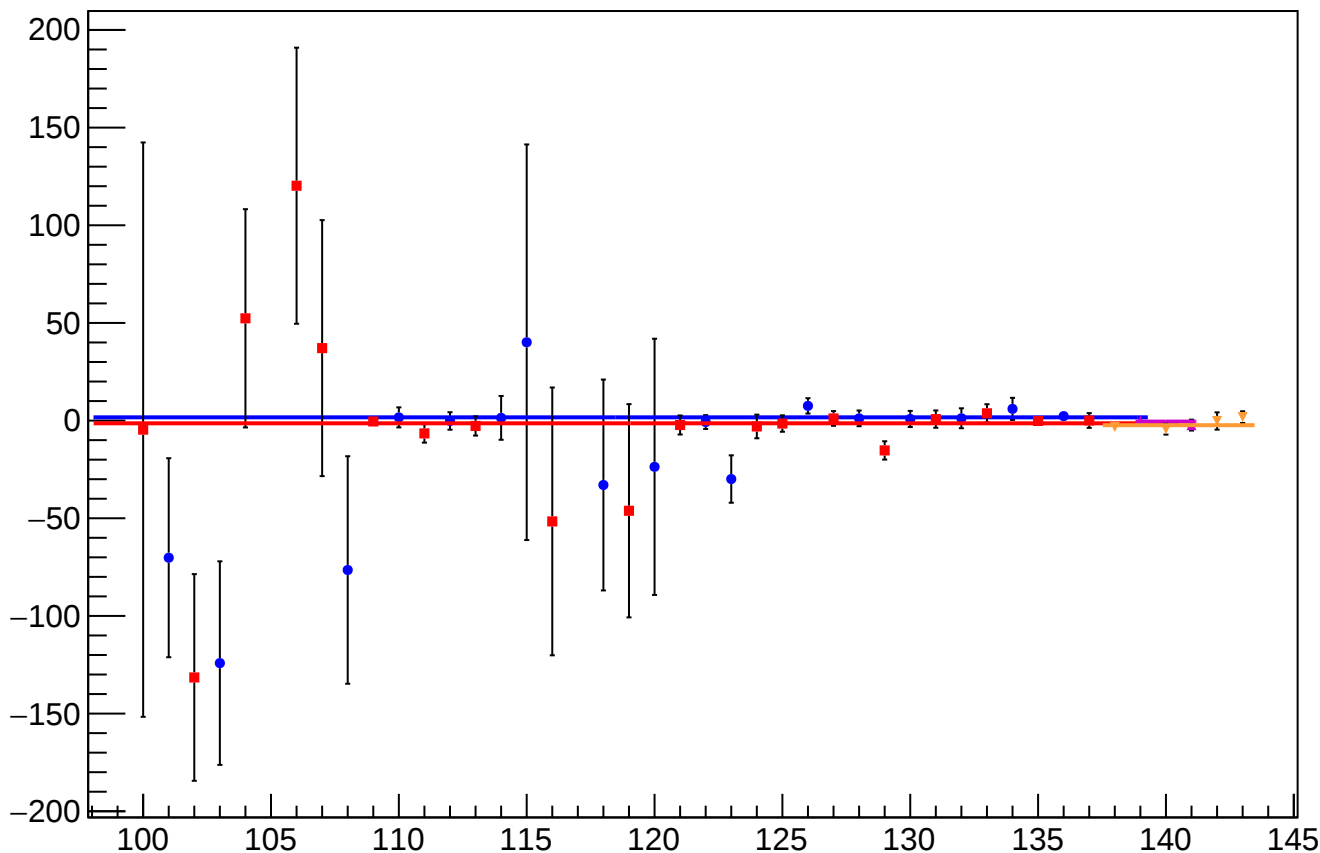
Left In: 1557.404 $\pm$ 0.909 χ^2 /NDF: 101619.2/1

+ sign 1849.683 $\pm$ 0.516 χ^2 /NDF: 5808444.3/20

All: 1953.885 $\pm$ 0.400 χ^2 /NDF: 11596046.9/4

- sign 2110.890 $\pm$ 0.634 χ^2 /NDF: 5685440.1/20

diff_bpm1p03aY_mean vs Slug



Right In: 1.671 ± 1.146 χ^2/NDF : 20.7/16

Left Out: -2.355 ± 1.248 χ^2/NDF : 3.0/3

Right Out: -1.380 ± 1.065 χ^2/NDF : 24.1/18

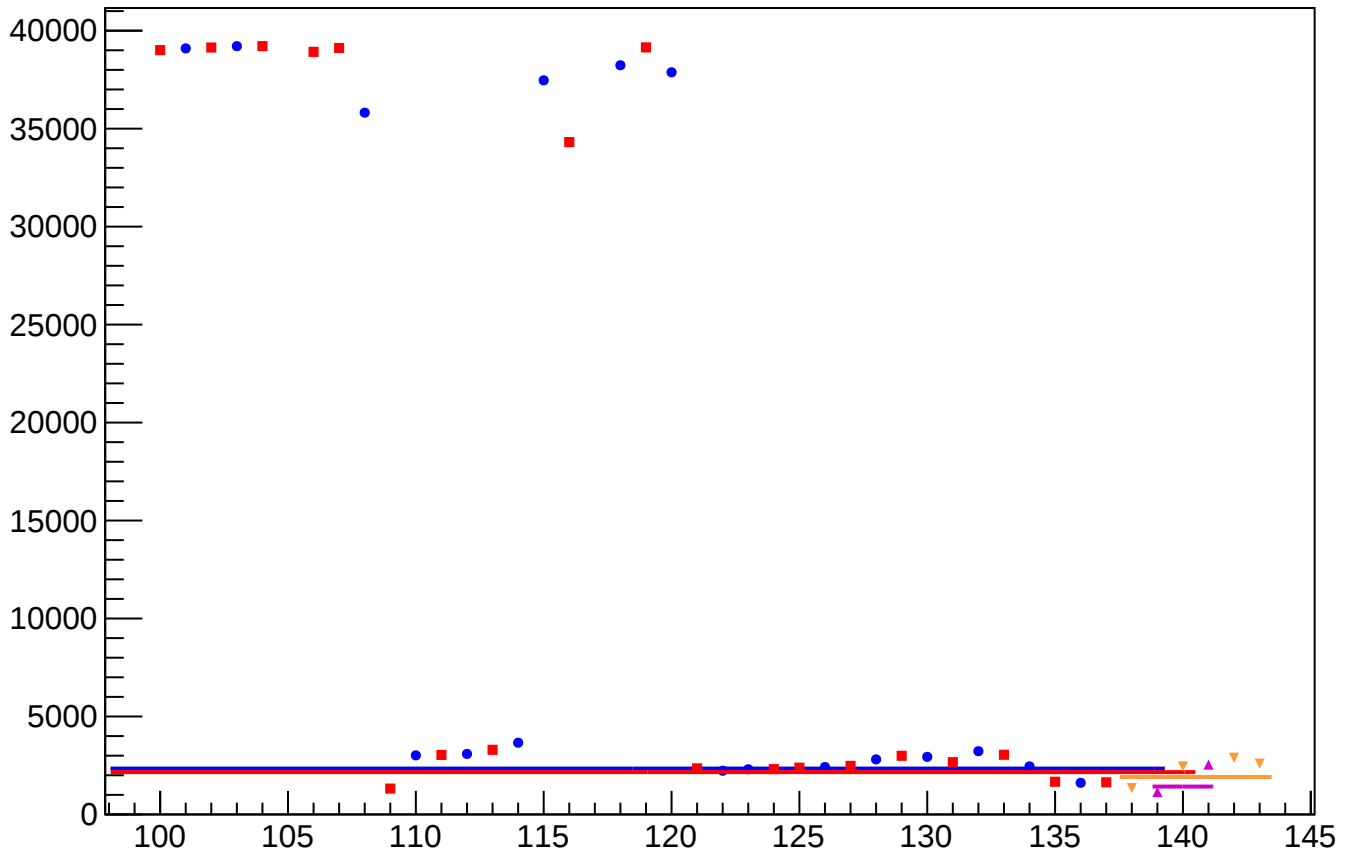
Left In: -0.503 ± 1.243 χ^2/NDF : 0.5/1

+ sign -0.171 ± 0.844 χ^2/NDF : 29.3/20

All: -0.607 ± 0.584 χ^2/NDF : 54.8/41

- sign -1.008 ± 0.809 χ^2/NDF : 24.9/20

diff_bpm1p03aY_rms vs Slug



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

Left Out: 1913.566 ± 0.883 $\chi^2/\text{NDF}: 498108.4/3$

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

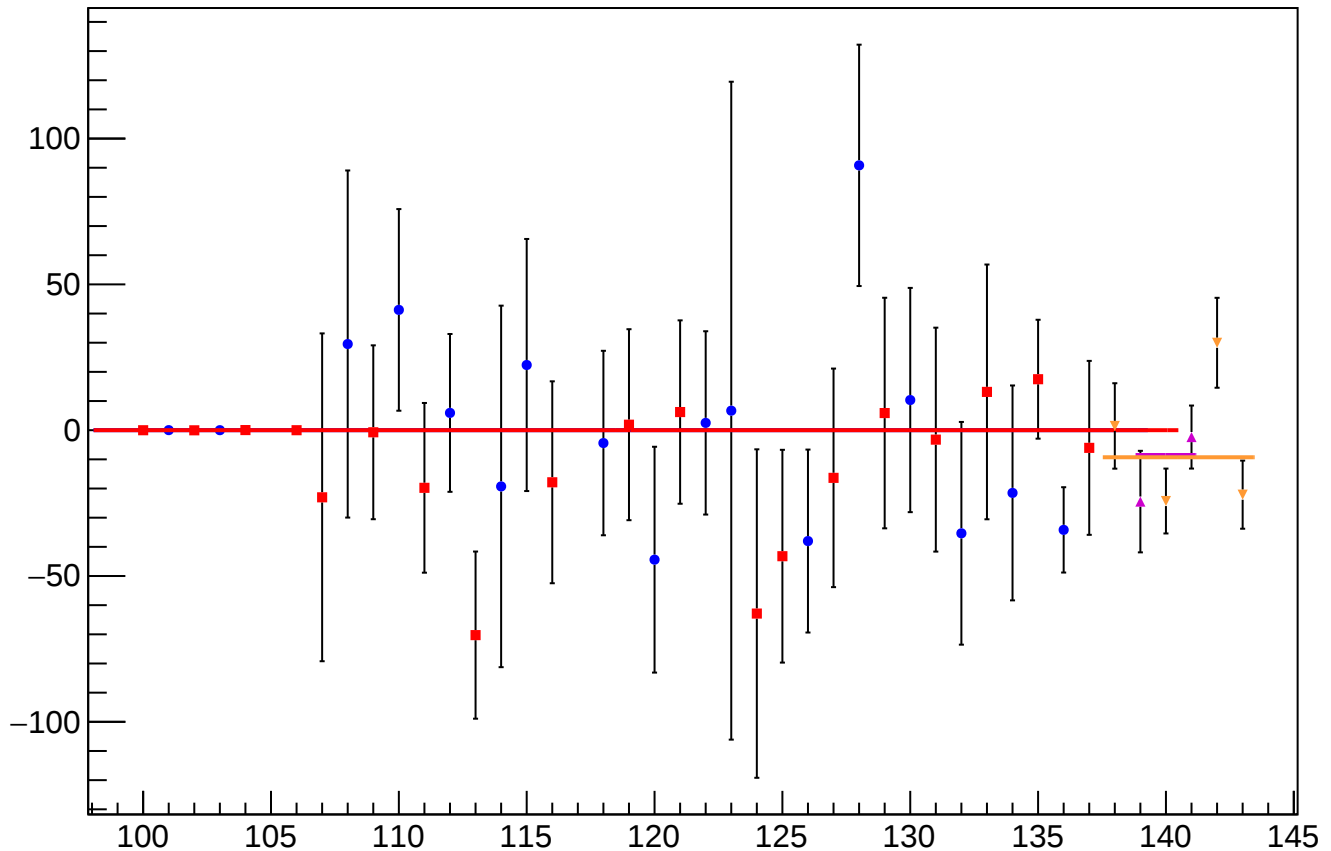
Left In: 1423.582 ± 0.879 $\chi^2/\text{NDF}: 403477.7/1$

+ sign 2145.579 ± 0.597 $\chi^2/\text{NDF}: 5631959.1/20$

All: 1990.804 ± 0.413 $\chi^2/\text{NDF}: 11872258.3/4$

- sign 1848.737 ± 0.572 $\chi^2/\text{NDF}: 6111382.0/20$

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 16.6/16

Left Out: -9.282 ± 6.418 χ^2/NDF : 10.0/3

Right Out: 0.003 ± 0.016 χ^2/NDF : 15.5/18

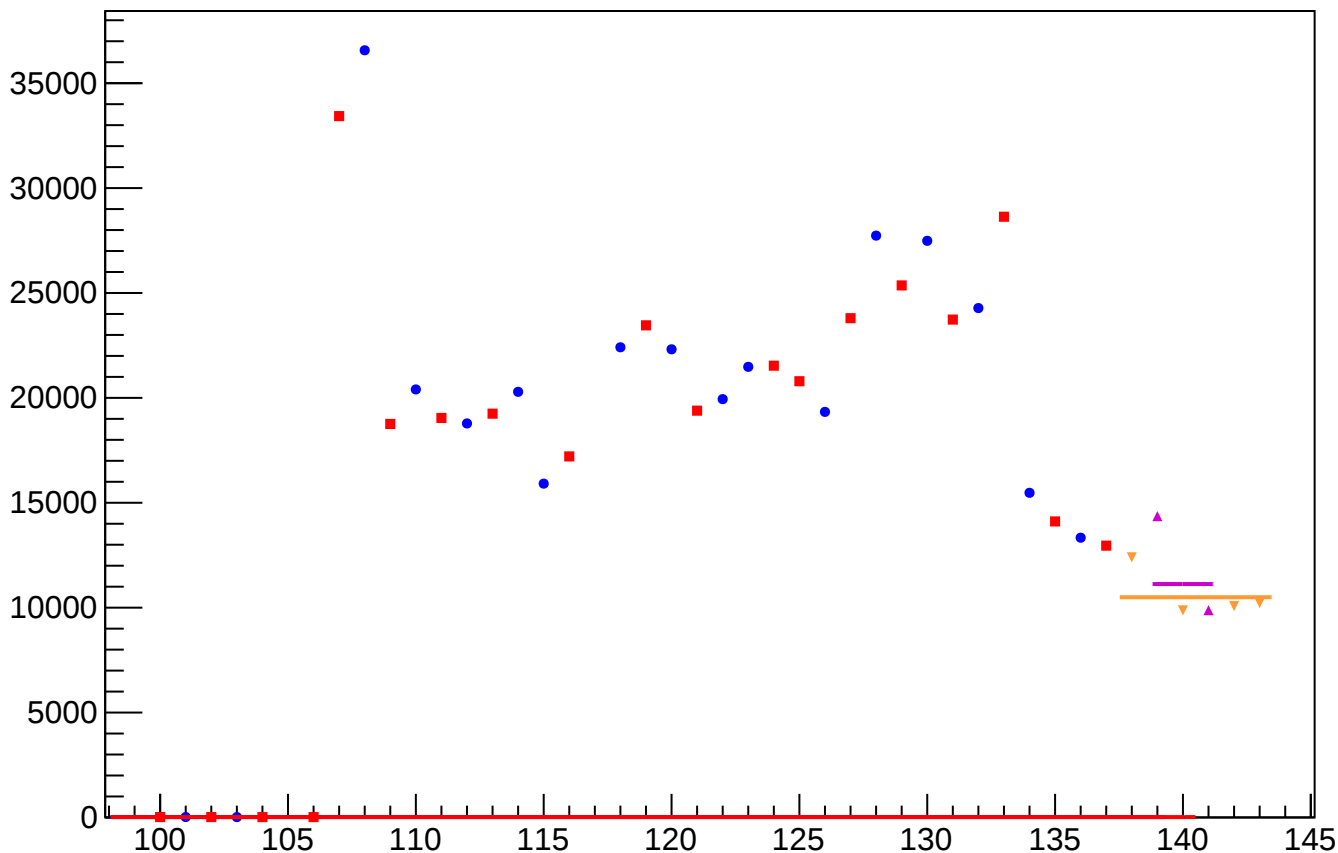
Left In: -8.507 ± 9.182 χ^2/NDF : 1.2/1

+ sign 0.013 ± 0.017 χ^2/NDF : 28.7/20

All: 0.008 ± 0.012 χ^2/NDF : 46.5/41

- sign 0.003 ± 0.016 χ^2/NDF : 17.5/20

diff_cav4bX_rms vs Slug



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

Left Out: 10497.397+/-4.538 χ^2/NDF : 42653.4/3

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

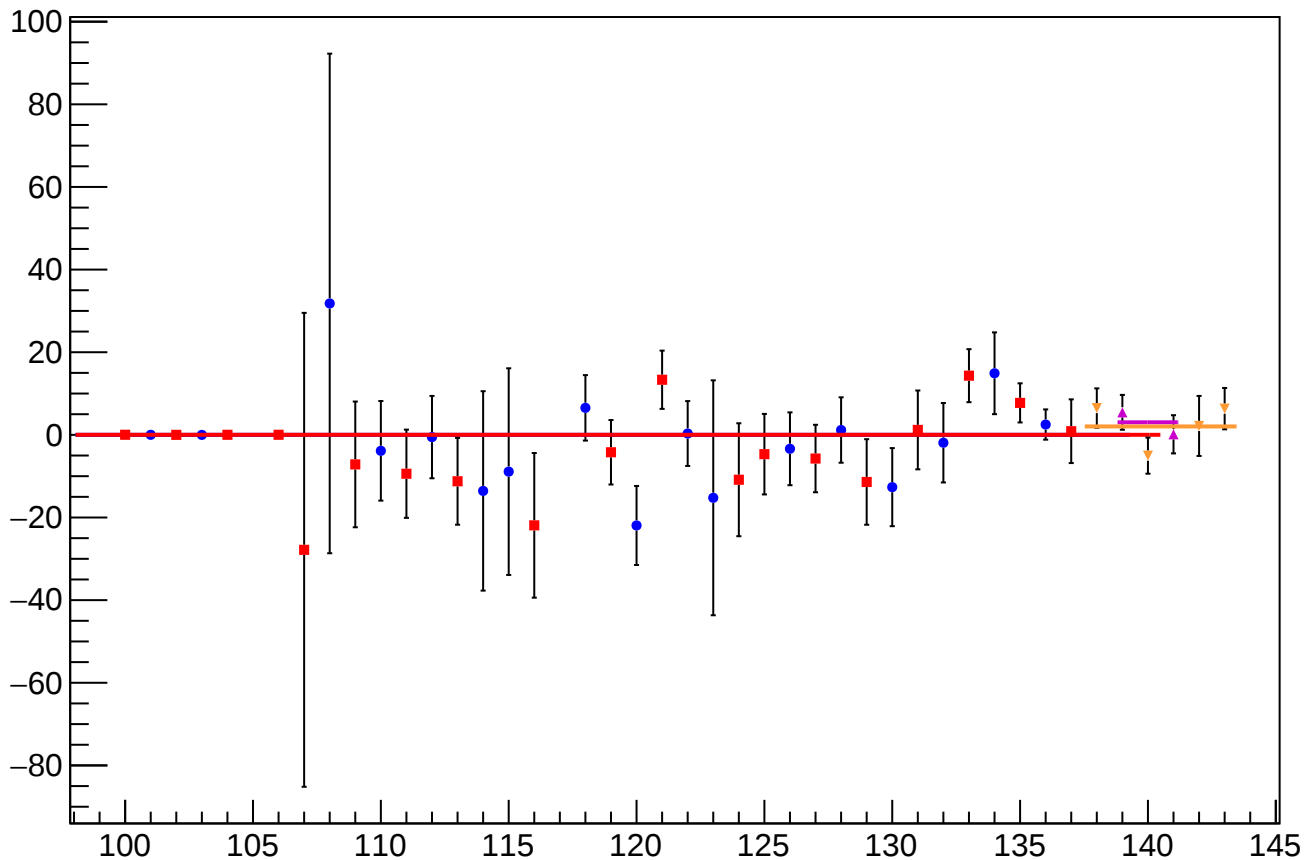
Left In: 11125.888+/-6.493 χ^2/NDF : 95689.3/1

+ sign 18.718+/-0.012 χ^2/NDF : 16315823.1/20

All: 18.517+/-0.008 χ^2/NDF : 30402277.2/41

- sign 18.345+/-0.011 χ^2/NDF : 14085957.2/20

diff_cav4bY_mean vs Slug



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

Left Out: 2.039 ± 2.538 χ^2/NDF : 4.2/3

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

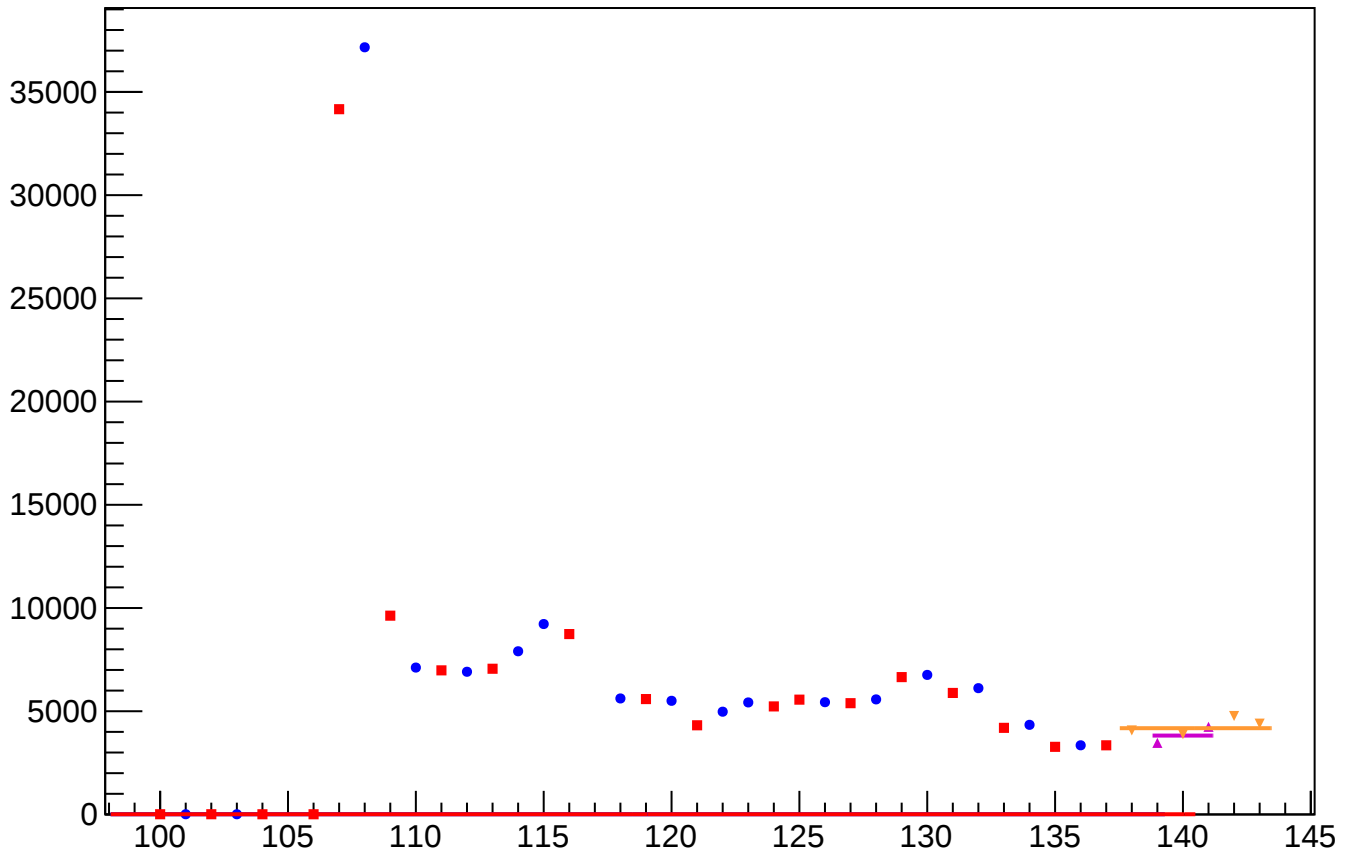
Left In: 3.039 ± 3.115 χ^2/NDF : 0.7/1

+ sign 0.001 ± 0.009 χ^2/NDF : 17.7/20

All: 0.008 ± 0.006 χ^2/NDF : 39.3/41

- sign 0.014 ± 0.009 χ^2/NDF : 20.4/20

diff_cav4bY_rms vs Slug



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

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

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

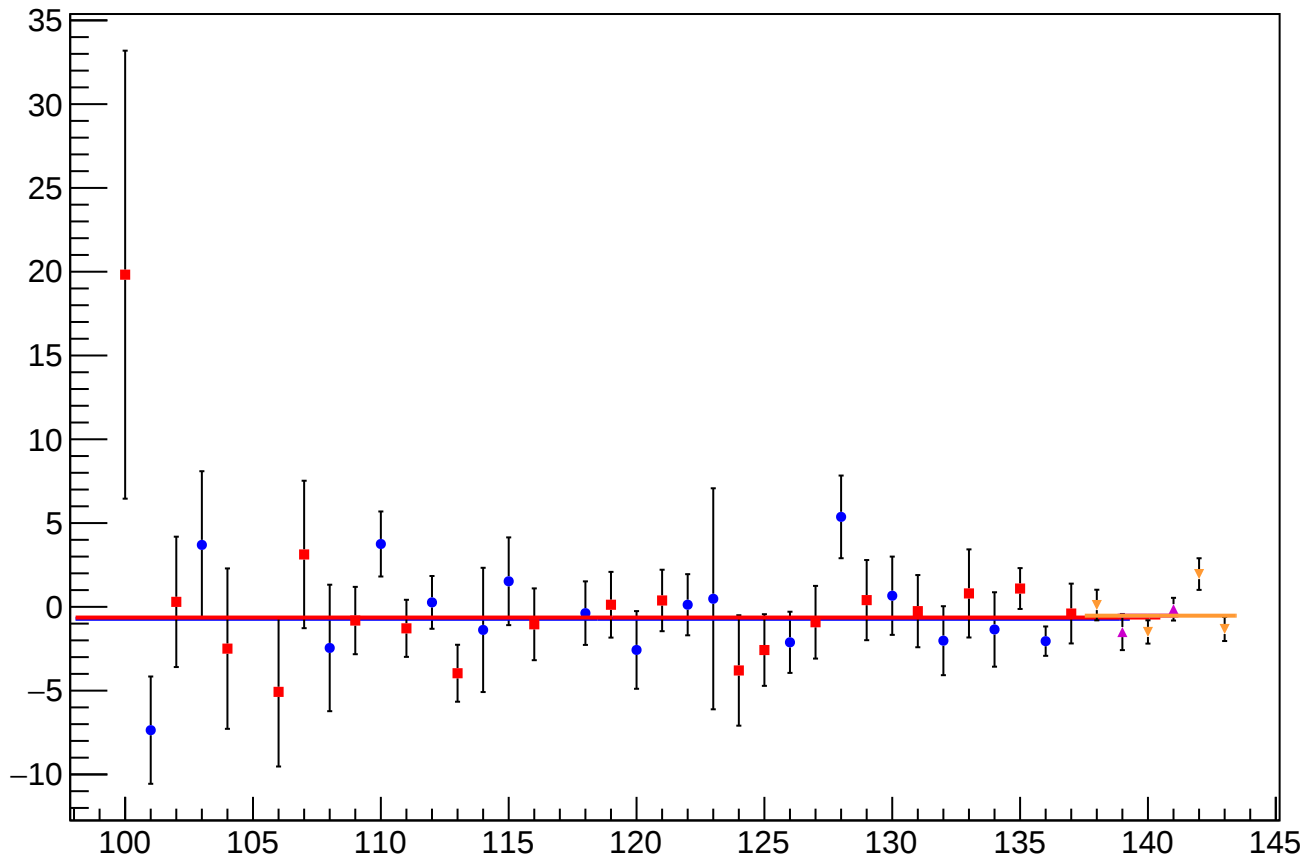
Left In: 3821.107+/-2.203 χ^2/NDF : 30889.8/1

+ sign 9.993+/-0.007 χ^2/NDF : 16489419.3/20

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

- sign 9.883+/-0.006 χ^2/NDF : 14138005.2/20

diff_cav4cX_mean vs Slug



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

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

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

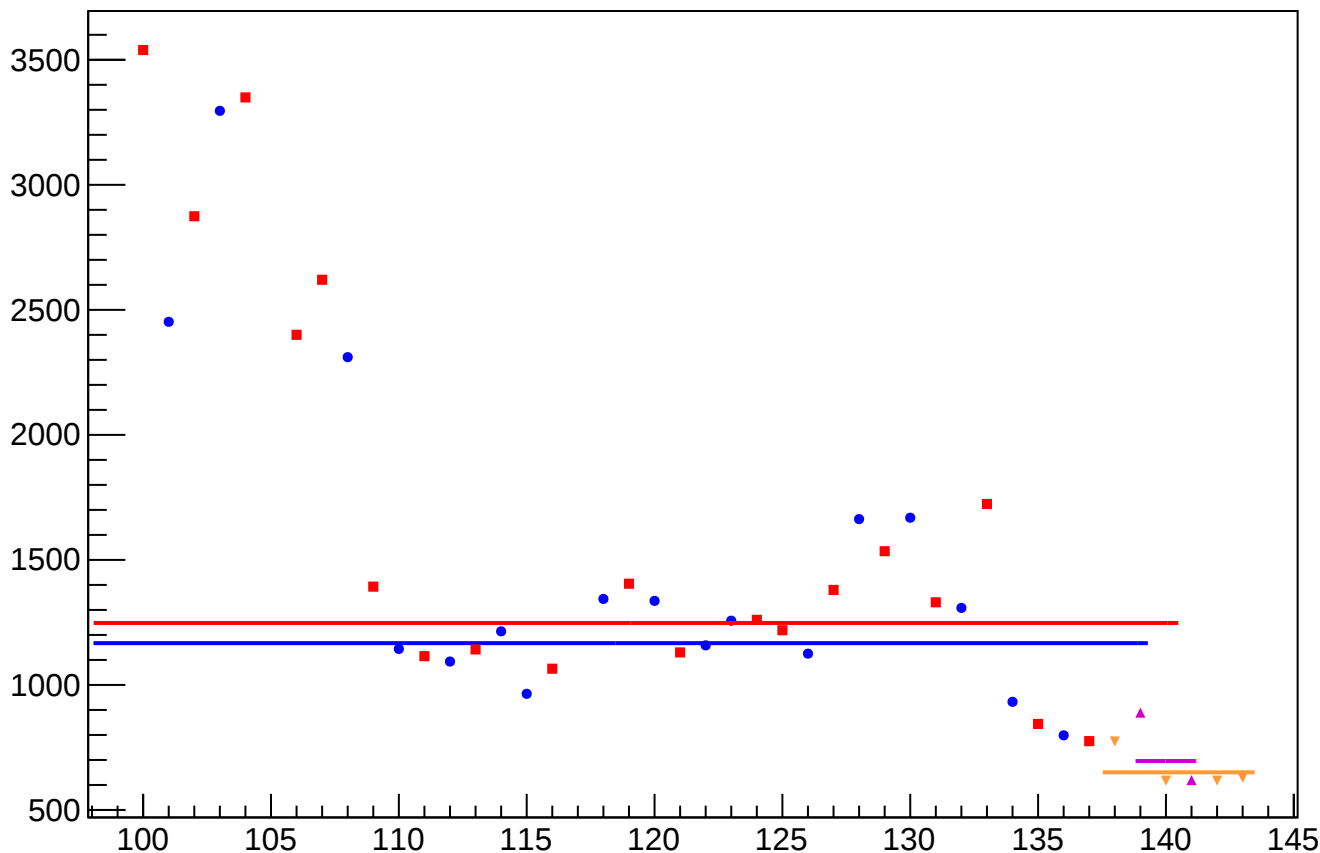
Left In: -0.525 ± 0.574 χ^2/NDF : 1.1/1

+ sign -0.602 ± 0.307 χ^2/NDF : 33.4/20

All: -0.597 ± 0.238 χ^2/NDF : 47.6/41

- sign -0.589 ± 0.378 χ^2/NDF : 14.2/20

diff_cav4cX_rms vs Slug



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

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

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

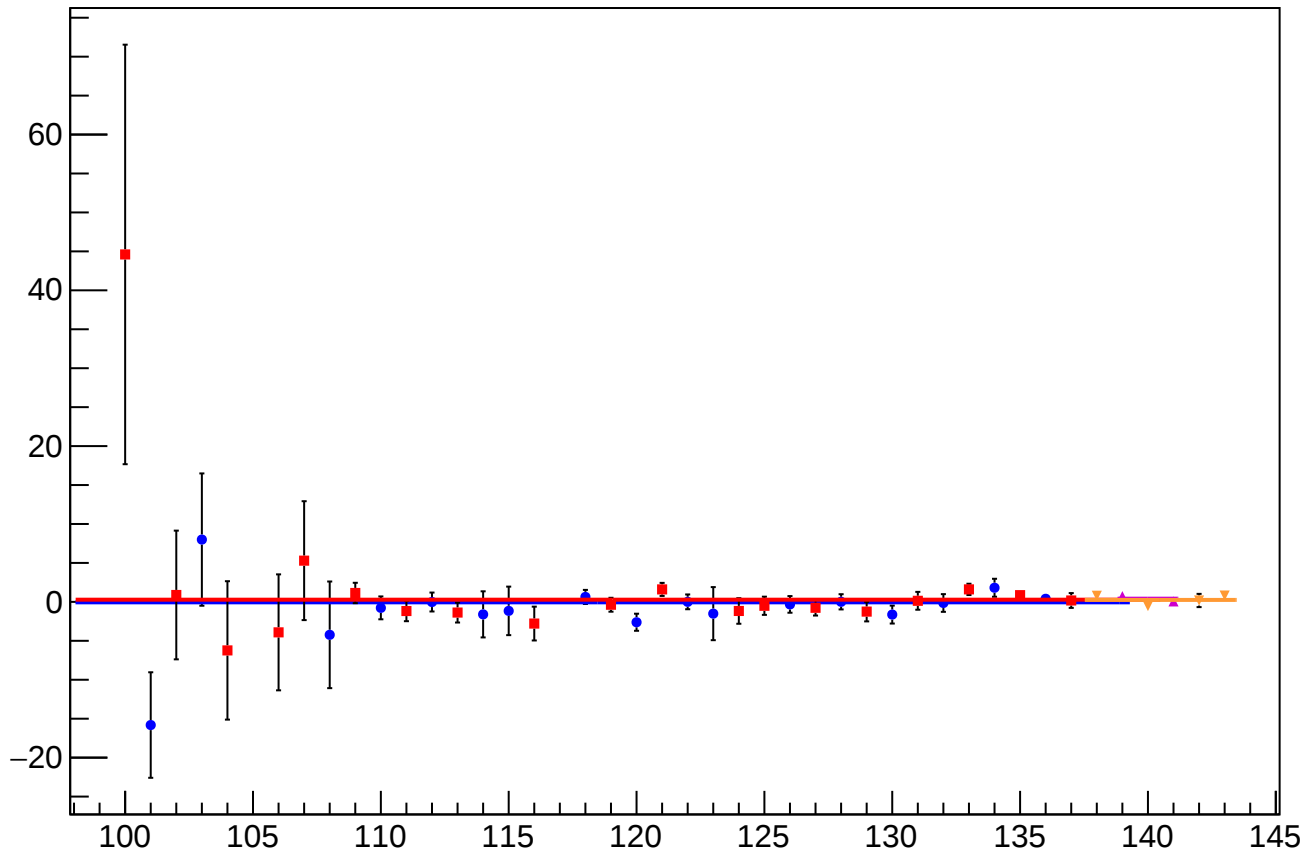
Left In: 695.840+/-0.406 χ^2/NDF : 89830.3/1

+ sign 859.028+/-0.217 χ^2/NDF : 2989555.3/20

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

- sign 1008.725+/-0.267 χ^2/NDF : 2793338.5/20

diff_cav4cY_mean vs Slug



Right In: -0.060 ± 0.269 $\chi^2/\text{NDF}: 19.1/16$

Left Out: 0.250 ± 0.300 $\chi^2/\text{NDF}: 4.2/3$

Right Out: 0.280 ± 0.264 $\chi^2/\text{NDF}: 20.5/18$

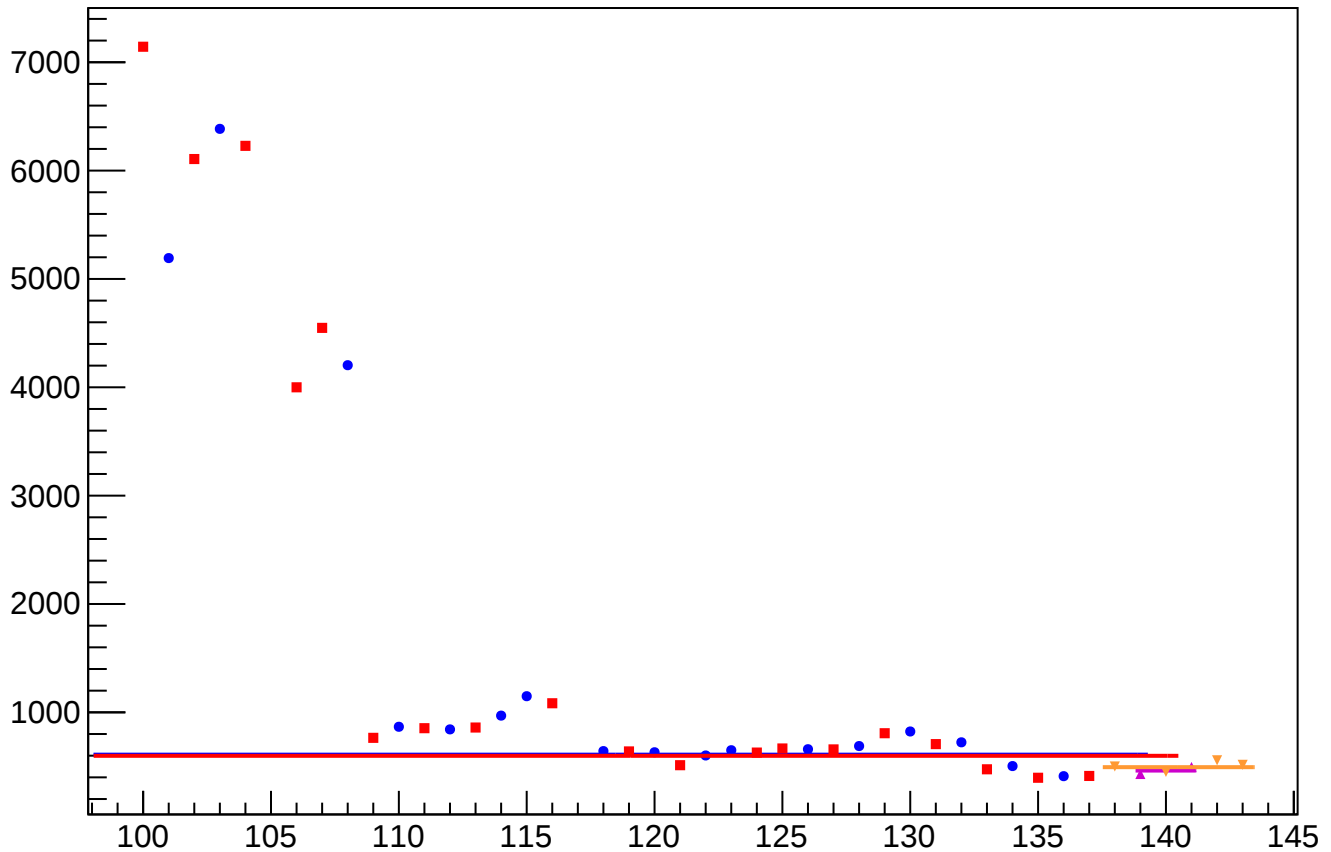
Left In: 0.409 ± 0.376 $\chi^2/\text{NDF}: 0.8/1$

+ sign 0.078 ± 0.200 $\chi^2/\text{NDF}: 23.9/20$

All: 0.191 ± 0.147 $\chi^2/\text{NDF}: 46.0/41$

- sign 0.322 ± 0.216 $\chi^2/\text{NDF}: 21.4/20$

diff_cav4cY_rms vs Slug



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

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

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

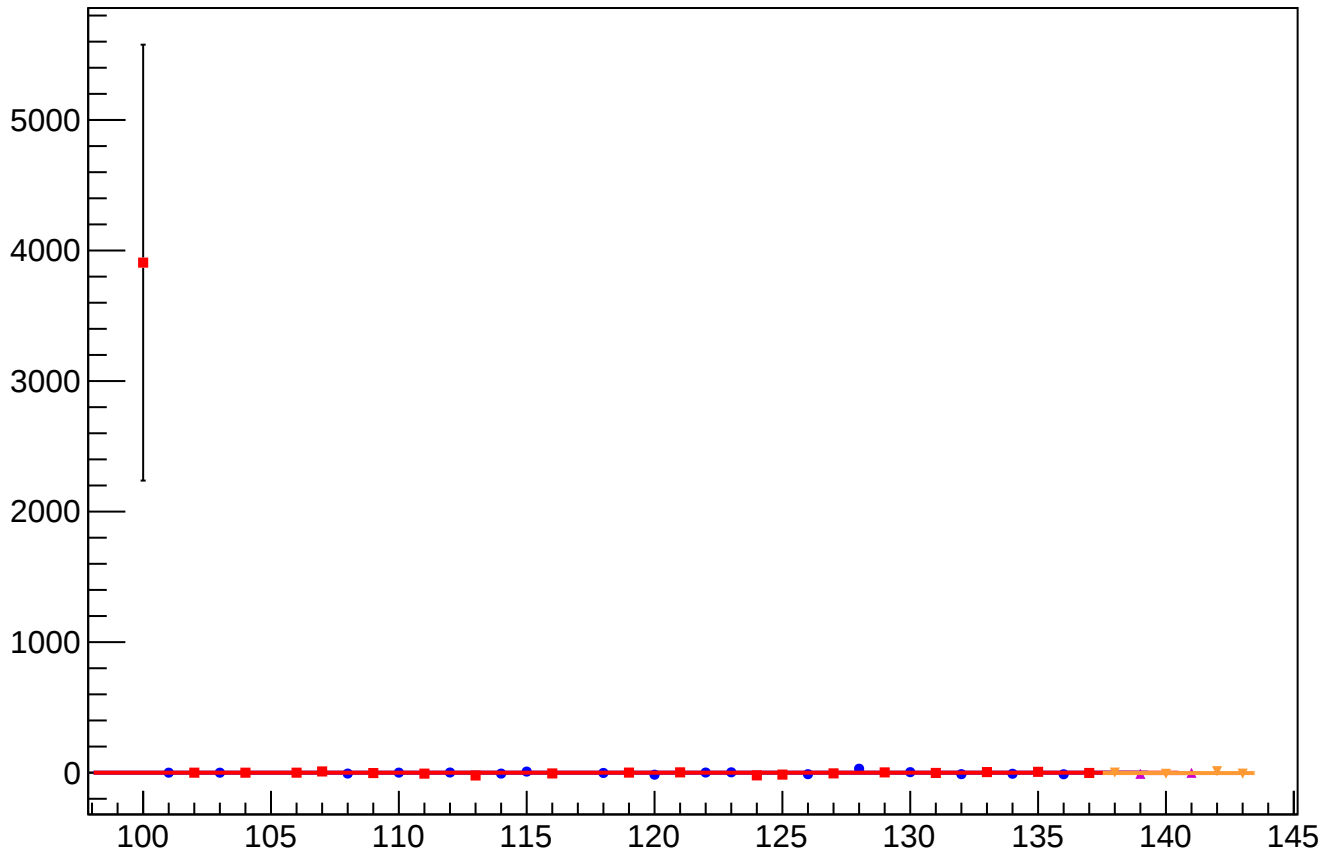
Left In: 462.629+/-0.266 χ^2/NDF : 14902.5/1

+ sign 557.942+/-0.142 χ^2/NDF : 3327290.3/20

All: 556.031+/-0.104 χ^2/NDF : 7070208.8/41

- sign 553.800+/-0.153 χ^2/NDF : 3742523.9/20

diff_cav4dX_mean vs Slug



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

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

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

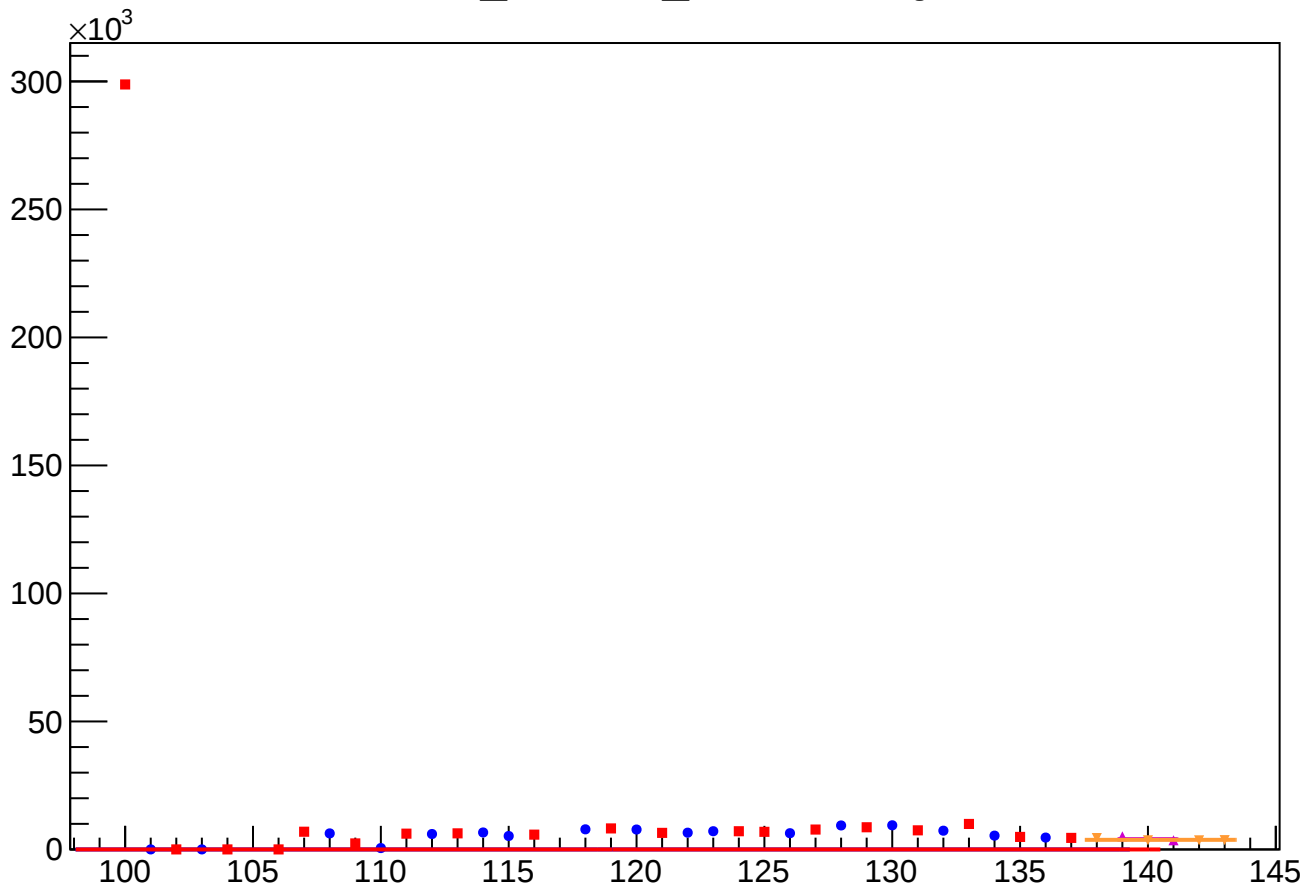
Left In: -3.039 ± 3.318 χ^2/NDF : 1.1/1

+ sign -0.022 ± 0.021 χ^2/NDF : 28.3/20

All: -0.024 ± 0.014 χ^2/NDF : 47.8/41

- sign -0.027 ± 0.020 χ^2/NDF : 19.4/20

diff_cav4dX_rms vs Slug



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

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

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

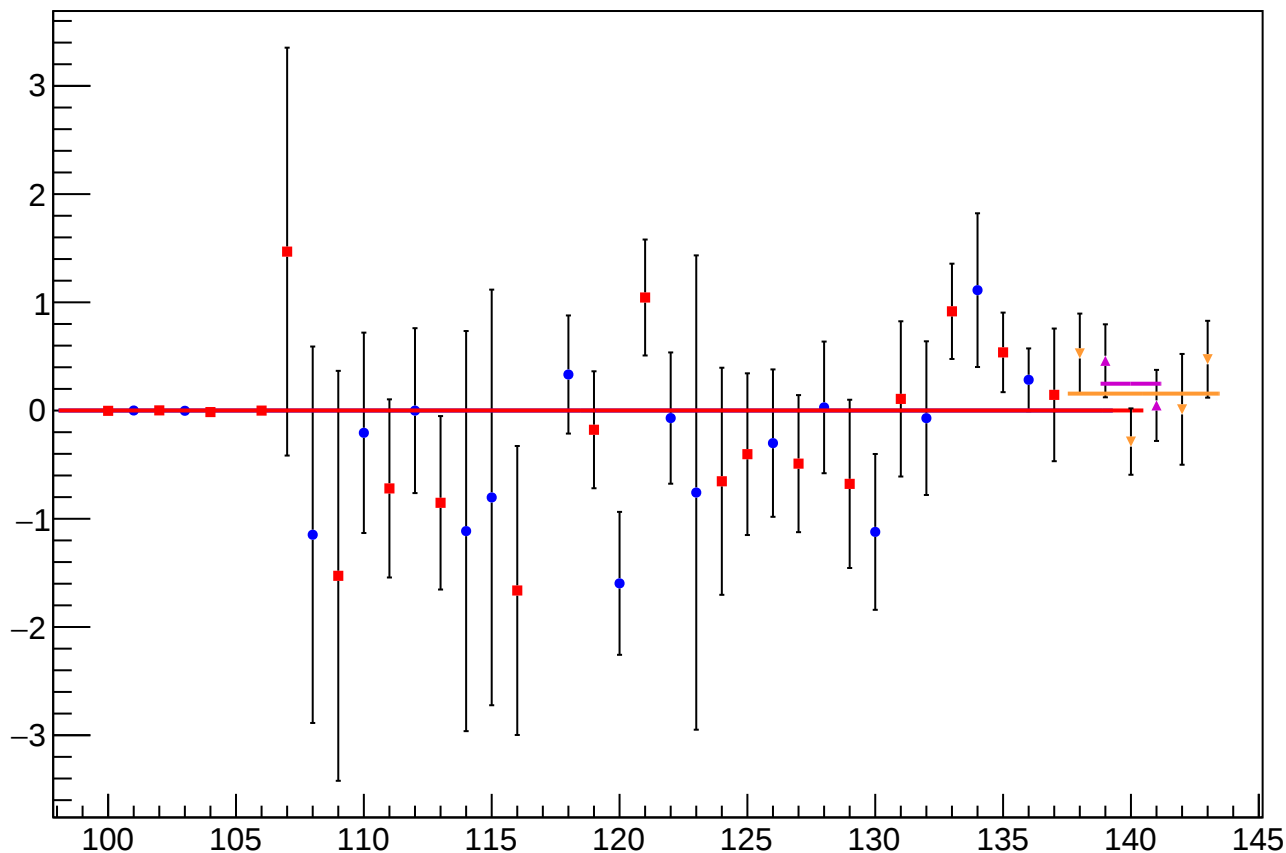
Left In: 4027.540 $\pm$ 2.346 χ^2 /NDF: 86774.1/1

+ sign 17.646 $\pm$ 0.015 χ^2 /NDF: 15807751.0/20

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

- sign 17.410 $\pm$ 0.014 χ^2 /NDF: 13782182.7/20

diff_cav4dY_mean vs Slug



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

Left Out: 0.156 ± 0.183 χ^2/NDF : 4.0/3

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

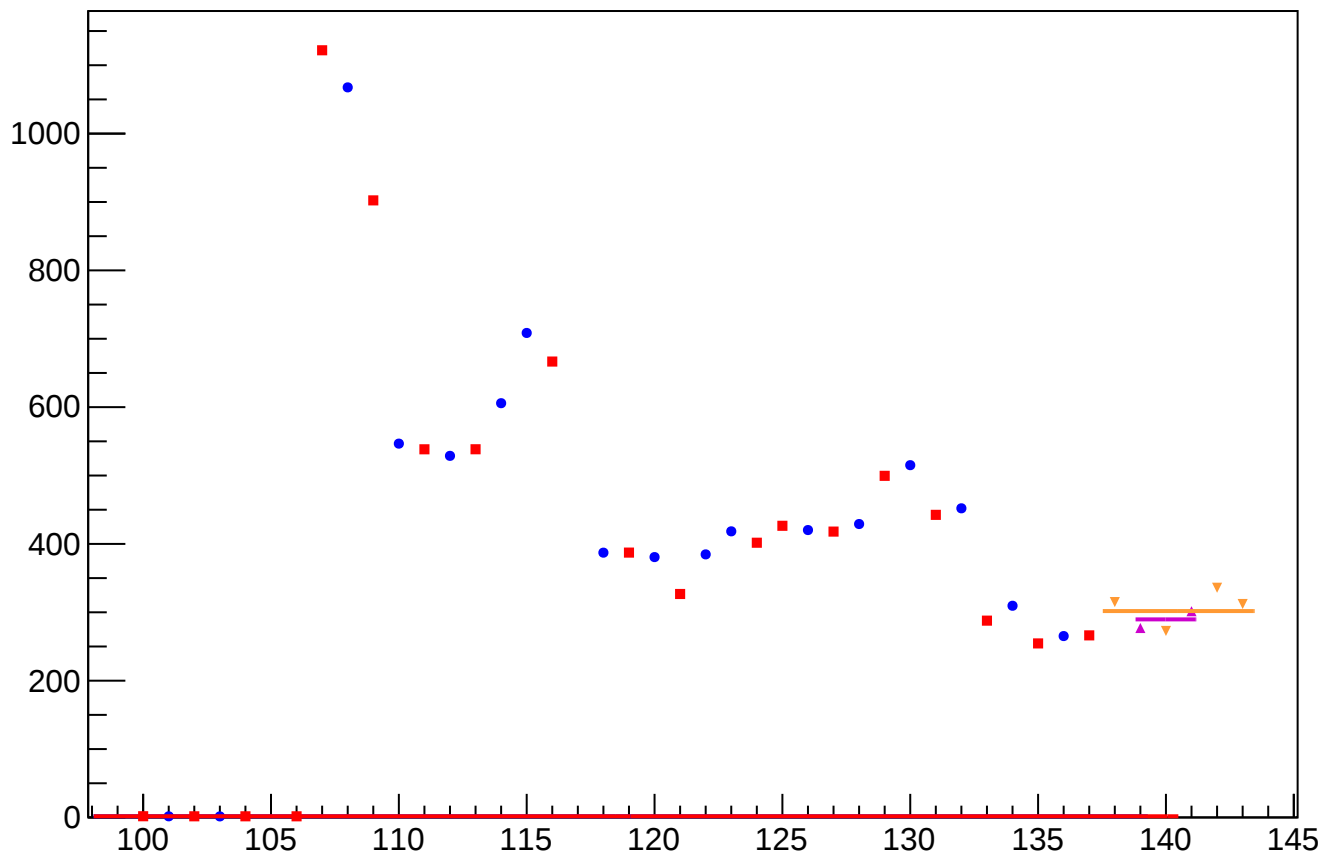
Left In: 0.248 ± 0.235 χ^2/NDF : 0.8/1

+ sign 0.000 ± 0.002 χ^2/NDF : 18.3/20

All: 0.001 ± 0.001 χ^2/NDF : 38.4/41

- sign 0.001 ± 0.002 χ^2/NDF : 20.0/20

diff_cav4dY_rms vs Slug



Right In: 1.699 $\pm$ 0.001 χ^2 /NDF: 11006381.5/16

Left Out: 301.809 $\pm$ 0.130 χ^2 /NDF:31080.2/3

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

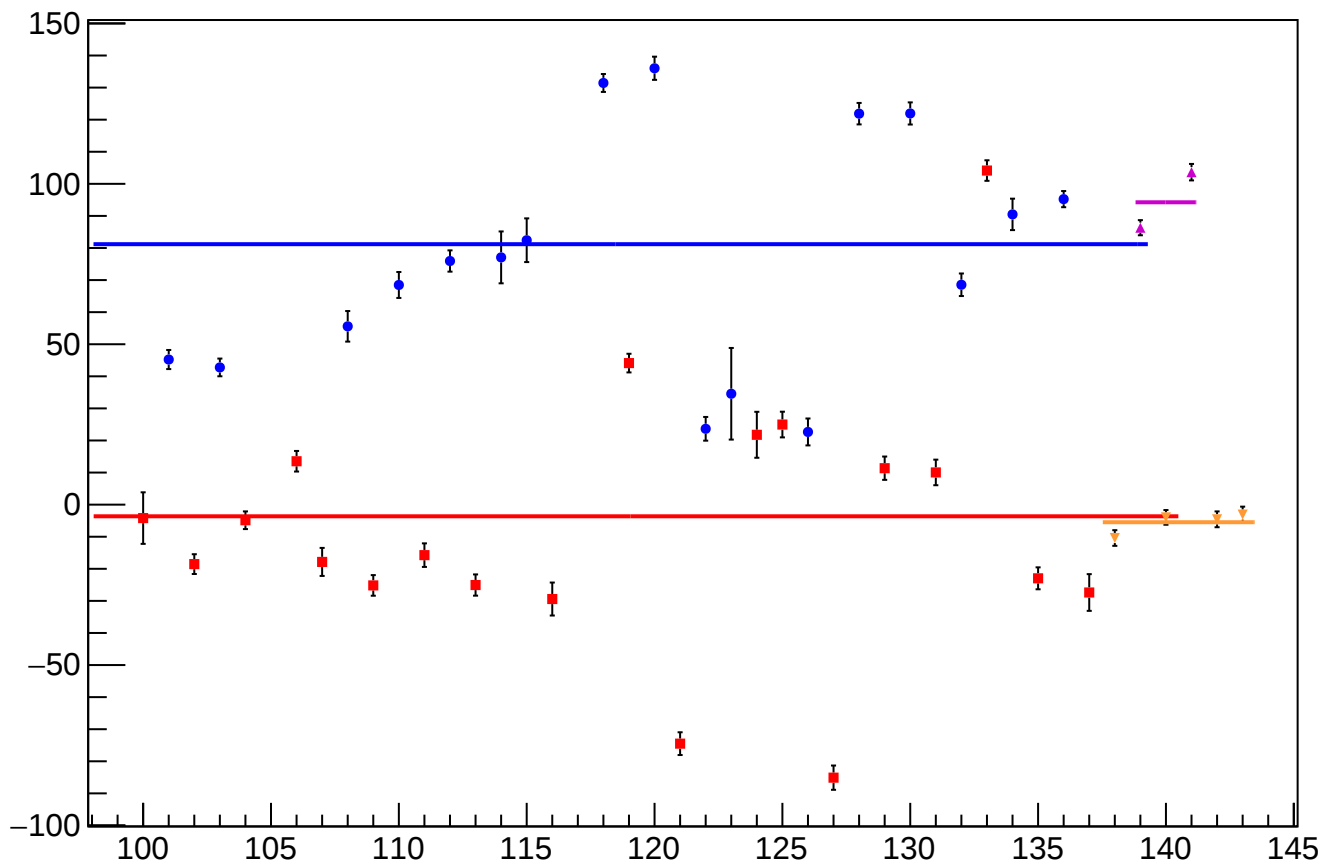
Left In: 289.642 $\pm$ 0.166 χ^2 /NDF:5430.1/1

+ sign 1.736 $\pm$ 0.001 χ^2 /NDF: 16400465.9/20

All: 1.742 $\pm$ 0.001 χ^2 /NDF: 30098613.4/41

- sign 1.748 $\pm$ 0.001 χ^2 /NDF: 13698110.1/20

diff_bpm0i01X_mean vs Slug



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

Left Out: -5.479 $\pm$ 1.207 χ^2 /NDF: 5.6/3

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

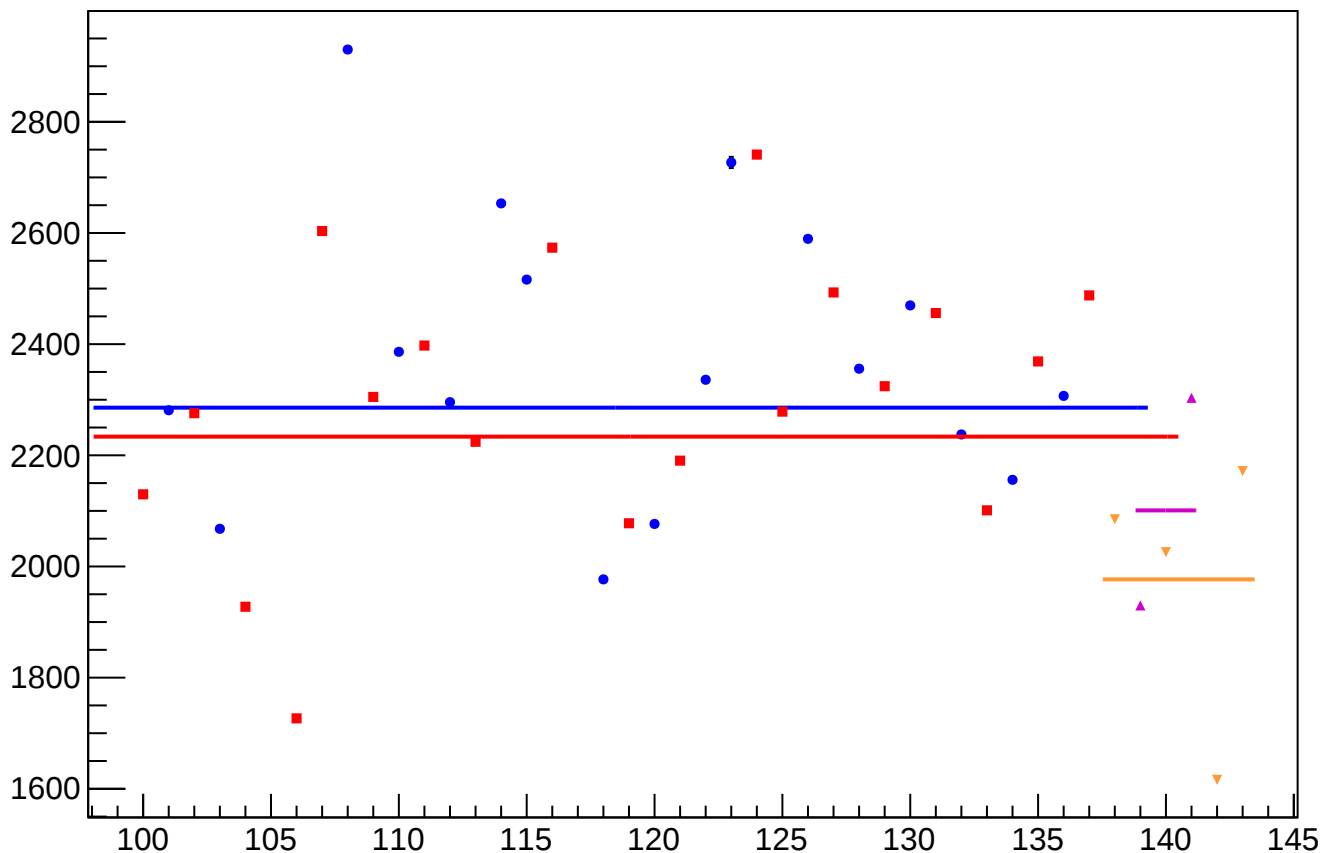
Left In: 94.247 $\pm$ 1.738 χ^2 /NDF: 24.6/1

+ sign 50.782 $\pm$ 0.715 χ^2 /NDF: 5071.6/20

All: 33.989 $\pm$ 0.520 χ^2 /NDF: 11430.7/41

- sign 15.047 $\pm$ 0.759 χ^2 /NDF: 5184.6/20

diff_bpm0i01X_rms vs Slug



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

Left Out: 1976.799 $\pm$ 0.853 χ^2 /NDF: 60110.0/3

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

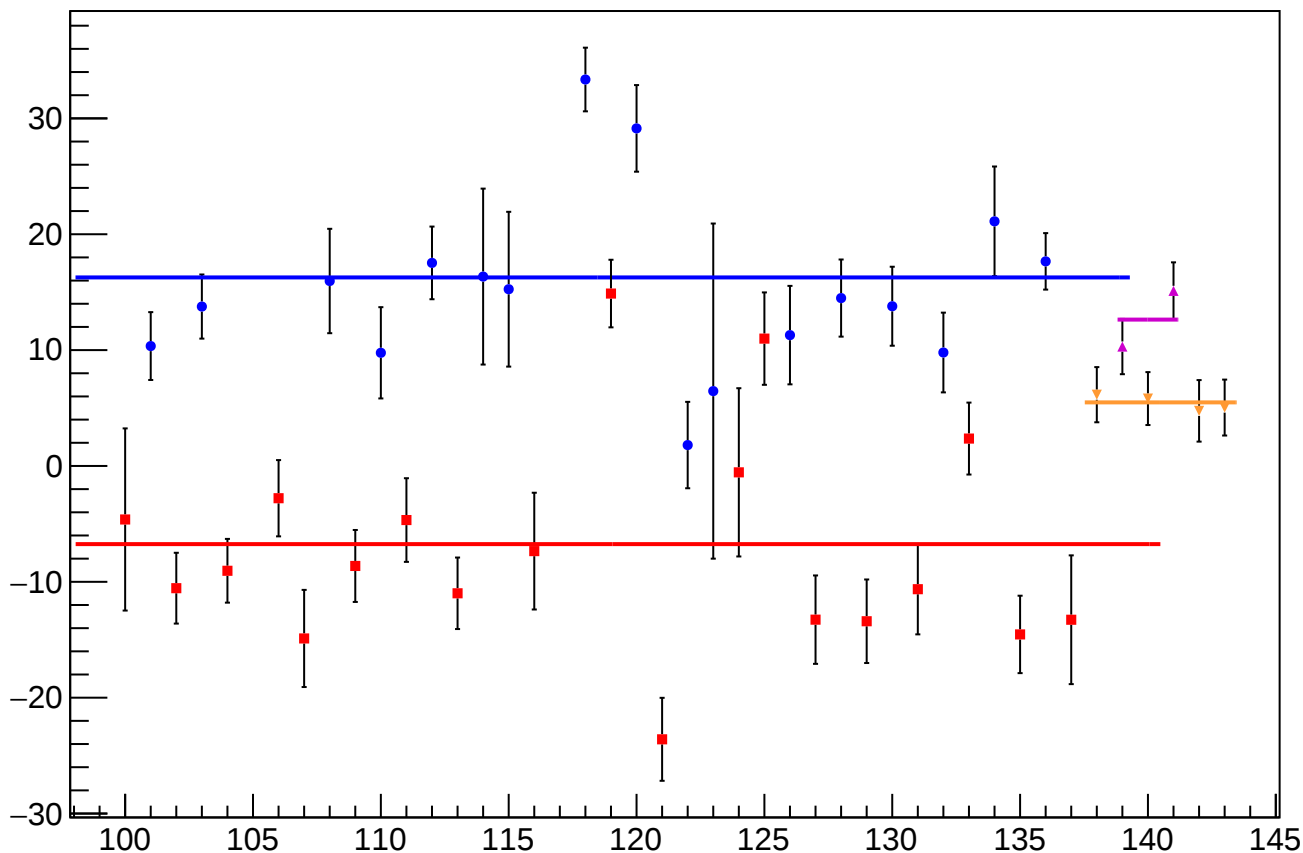
Left In: 2100.869 $\pm$ 1.229 χ^2 /NDF: 22931.9/1

+ sign 2177.365 $\pm$ 0.505 χ^2 /NDF: 254361.6/20

All: 2191.890 $\pm$ 0.368 χ^2 /NDF: 435550.2/41

- sign 2208.274 $\pm$ 0.537 χ^2 /NDF: 179431.3/20

diff_bpm0i01Y_mean vs Slug



Right In: 16.273 $\pm$ 0.873 χ^2 /NDF: 81.0/16

Left Out: 5.487 $\pm$ 1.211 χ^2 /NDF: 0.2/3

Right Out: -6.745 $\pm$ 0.832 χ^2 /NDF: 130.5/18

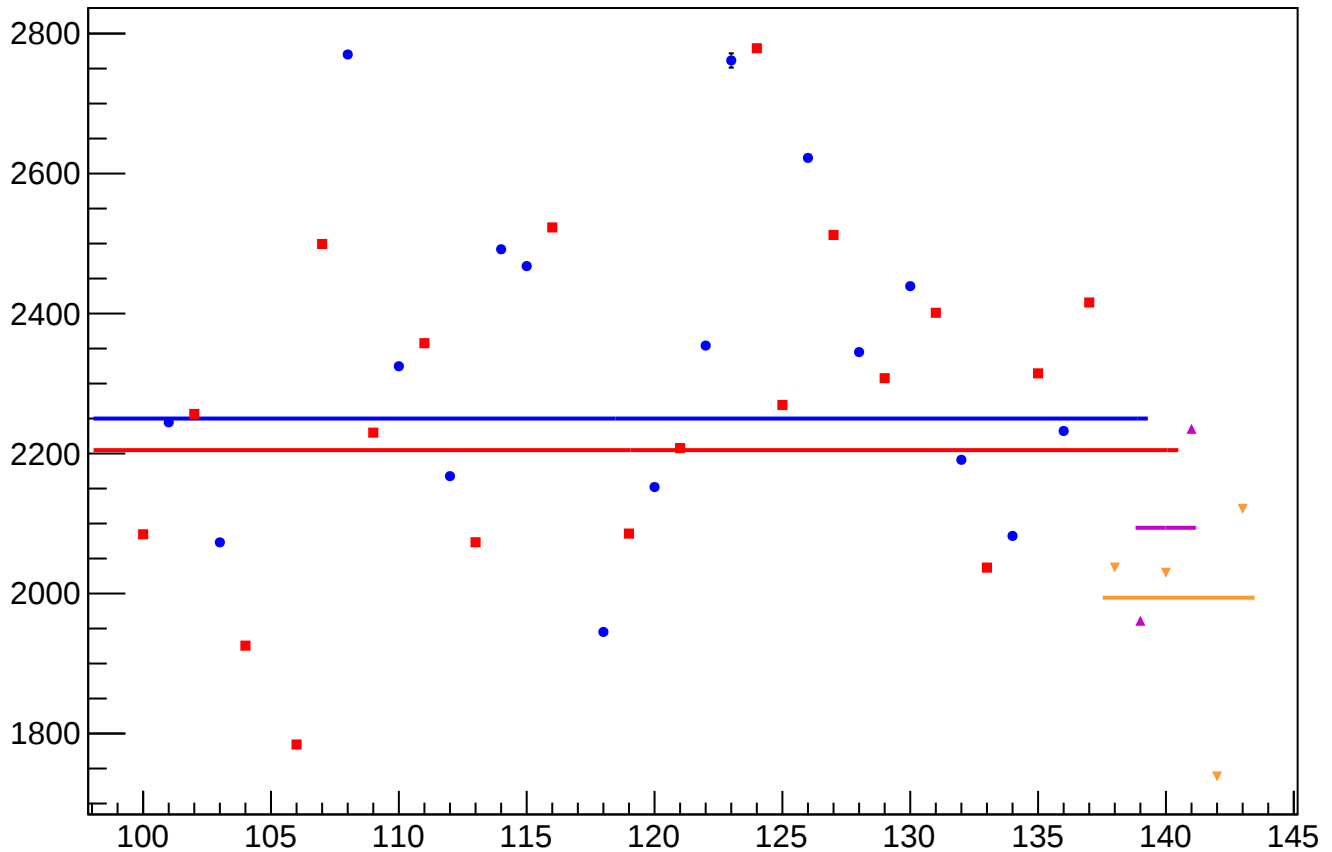
Left In: 12.633 $\pm$ 1.713 χ^2 /NDF: 2.0/1

+ sign 12.586 $\pm$ 0.708 χ^2 /NDF: 133.3/20

All: 5.203 $\pm$ 0.514 χ^2 /NDF: 599.5/41

- sign -3.045 $\pm$ 0.749 χ^2 /NDF: 236.0/20

diff_bpm0i01Y_rms vs Slug



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

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

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

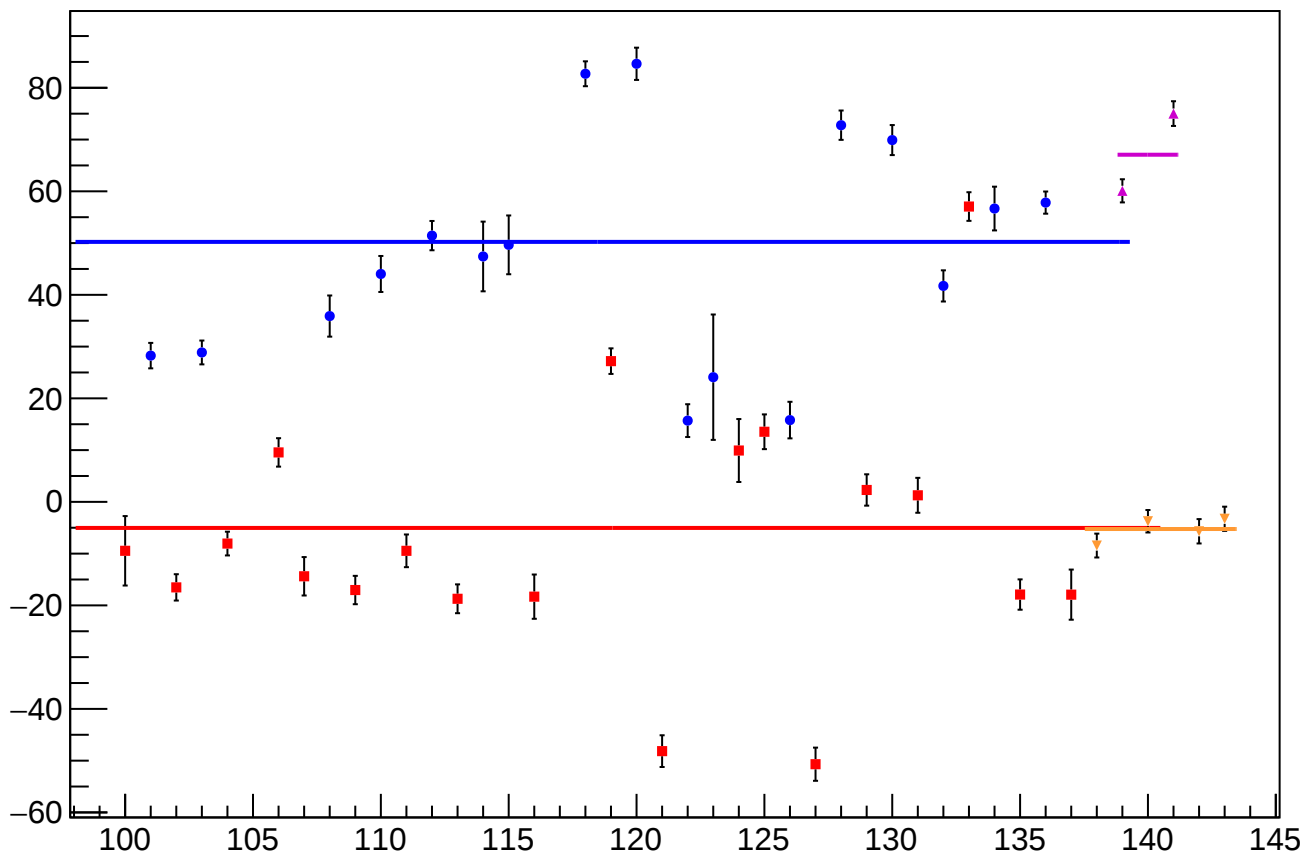
Left In: 2093.961 $\pm$ 1.211 χ^2 /NDF: 12797.6/1

+ sign 2162.495 $\pm$ 0.501 χ^2 /NDF: 181444.8/20

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

- sign 2183.685 $\pm$ 0.529 χ^2 /NDF: 146013.1/20

diff_bpm0i01aX_mean vs Slug



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

Left Out: -5.244 $\pm$ 1.144 χ^2 /NDF: 3.2/3

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

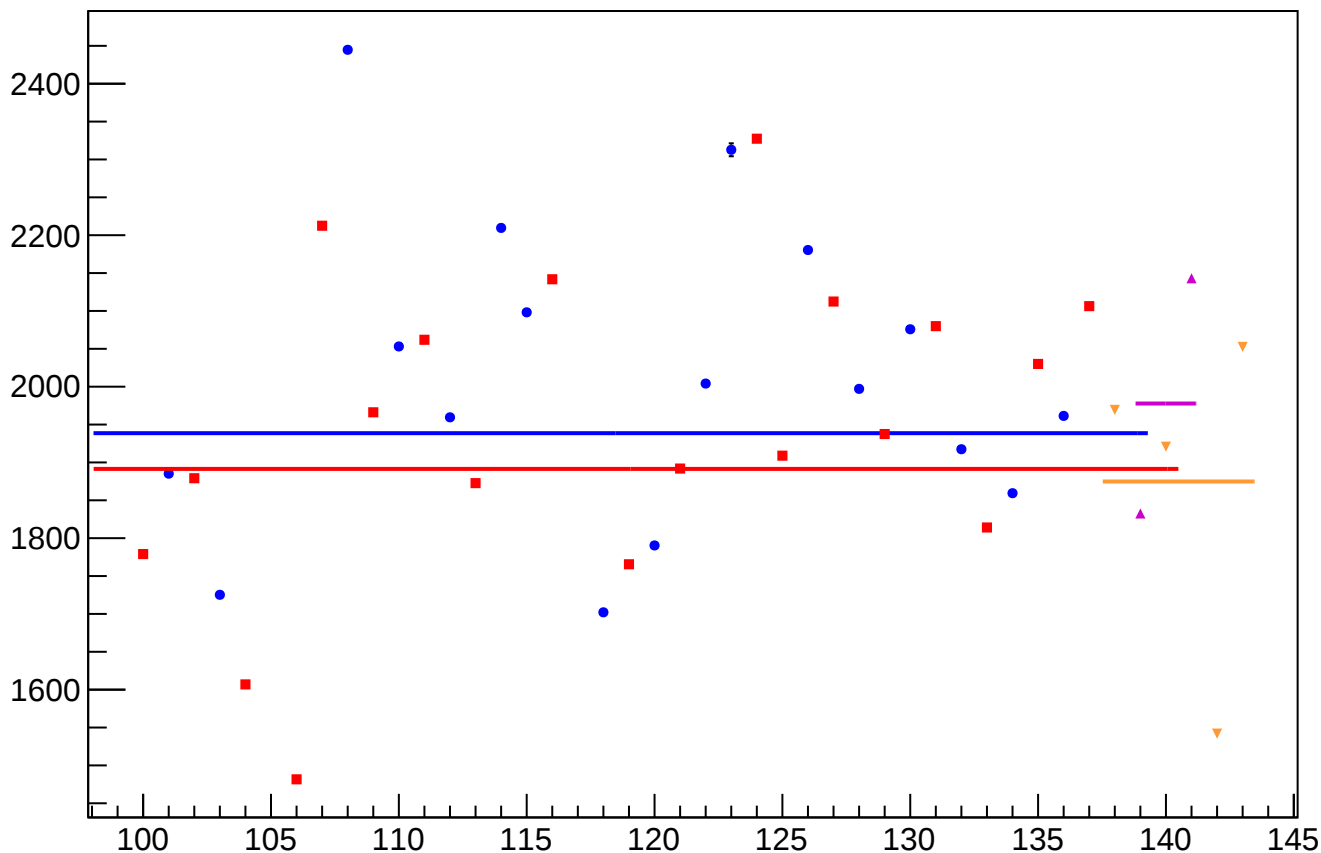
Left In: 67.070 $\pm$ 1.633 χ^2 /NDF: 20.8/1

+ sign 33.486 $\pm$ 0.628 χ^2 /NDF: 2482.9/20

All: 20.572 $\pm$ 0.453 χ^2 /NDF: 6280.4/41

- sign 6.556 $\pm$ 0.655 χ^2 /NDF: 2916.8/20

diff_bpm0i01aX_rms vs Slug



Right In: 1938.613 ± 0.532 χ^2/NDF : 100004.8/16

Left Out: 1874.827 ± 0.809 χ^2/NDF : 55852.7/3

Right Out: 1891.458 ± 0.505 χ^2/NDF : 146730.0/18

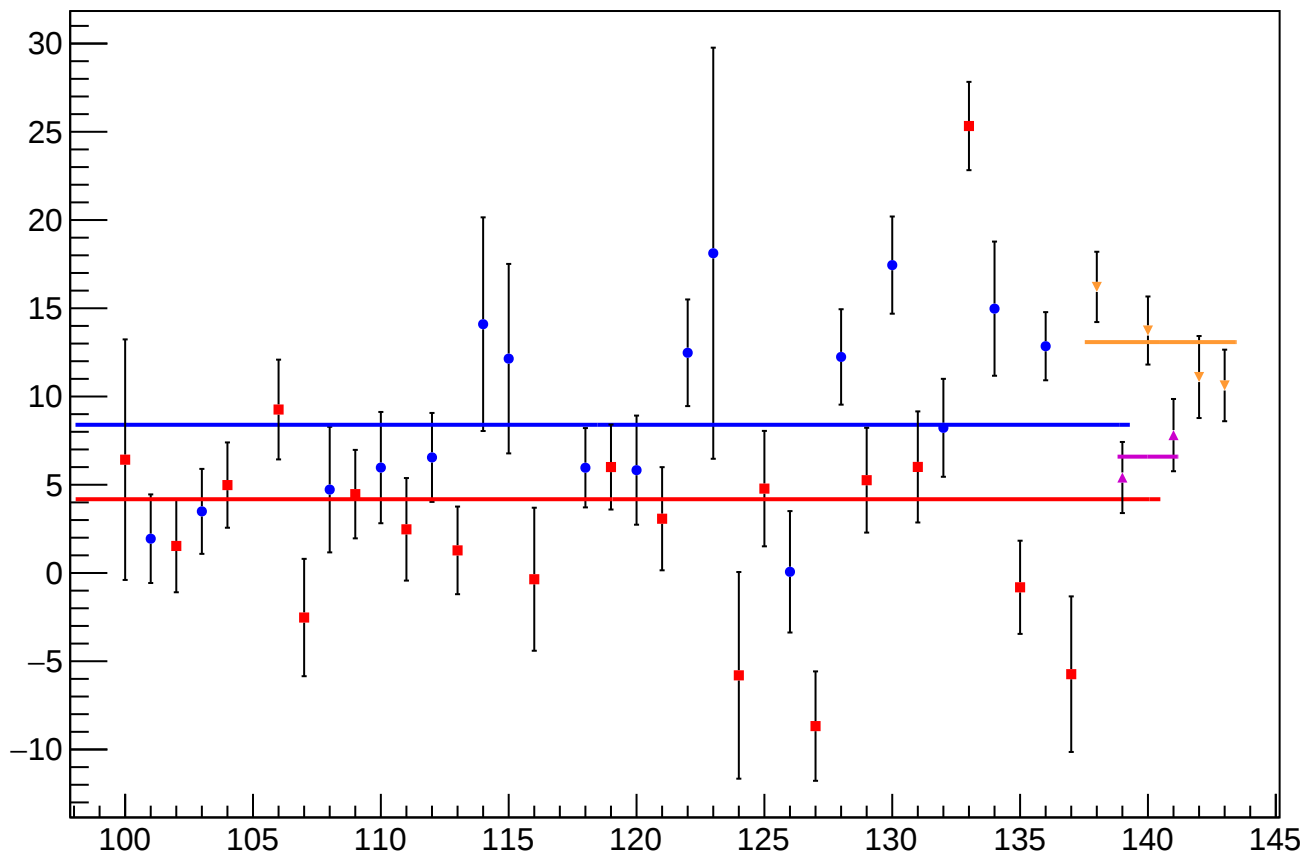
Left In: 1977.765 ± 1.155 χ^2/NDF : 18007.9/1

+ sign 1919.361 ± 0.444 χ^2/NDF : 160199.9/20

All: 1912.633 ± 0.321 χ^2/NDF : 330105.5/41

- sign 1905.331 ± 0.463 χ^2/NDF : 169427.5/20

diff_bpm0i01aY_mean vs Slug



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

Left Out: 13.083 $\pm$ 1.026 χ^2 /NDF: 4.8/3

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

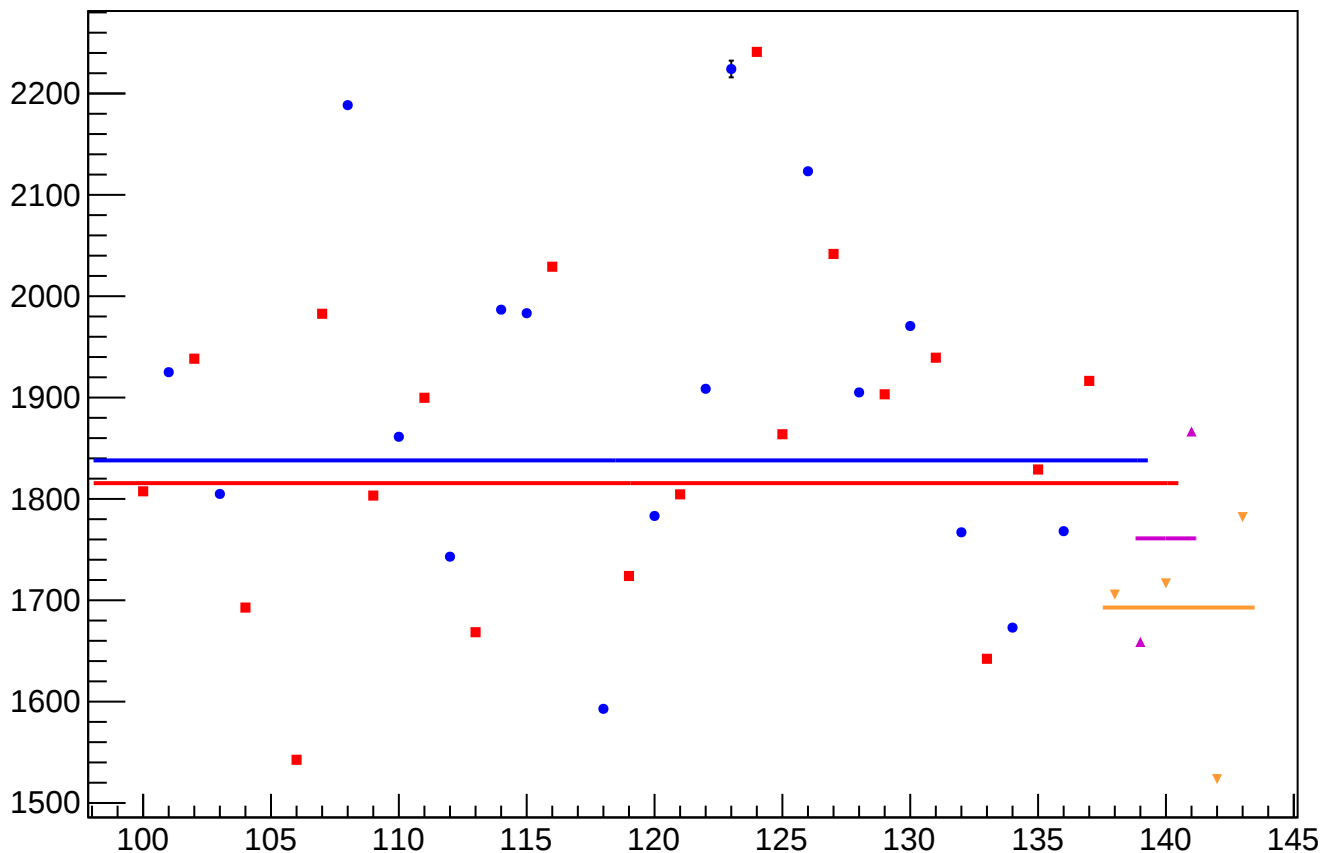
Left In: 6.592 $\pm$ 1.436 χ^2 /NDF: 0.7/1

+ sign 9.921 $\pm$ 0.585 χ^2 /NDF: 64.6/20

All: 7.414 $\pm$ 0.425 χ^2 /NDF: 219.2/41

- sign 4.626 $\pm$ 0.617 χ^2 /NDF: 115.9/20

diff_bpm0i01aY_rms vs Slug



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

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

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

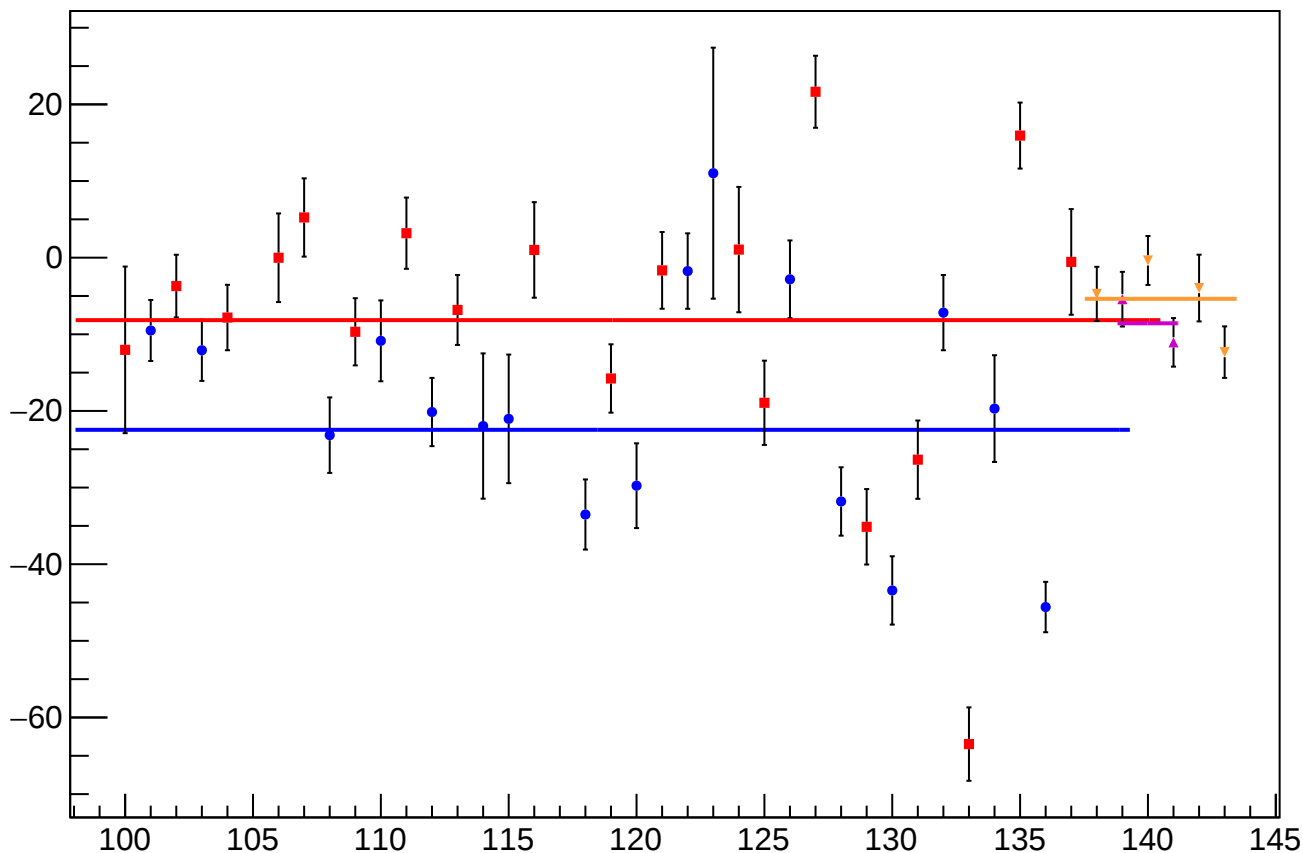
Left In: 1761.065 $\pm$ 1.015 χ^2/NDF : 10459.1/1

+ sign 1790.800 $\pm$ 0.414 χ^2/NDF : 124716.8/20

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

- sign 1805.492 $\pm$ 0.436 χ^2/NDF : 100454.9/20

diff_bpm0l01X_mean vs Slug



Right In: -22.463 ± 1.197 χ^2/NDF : 152.8/16

Left Out: -5.373 ± 1.770 χ^2/NDF : 6.9/3

Right Out: -8.153 ± 1.158 χ^2/NDF : 277.0/18

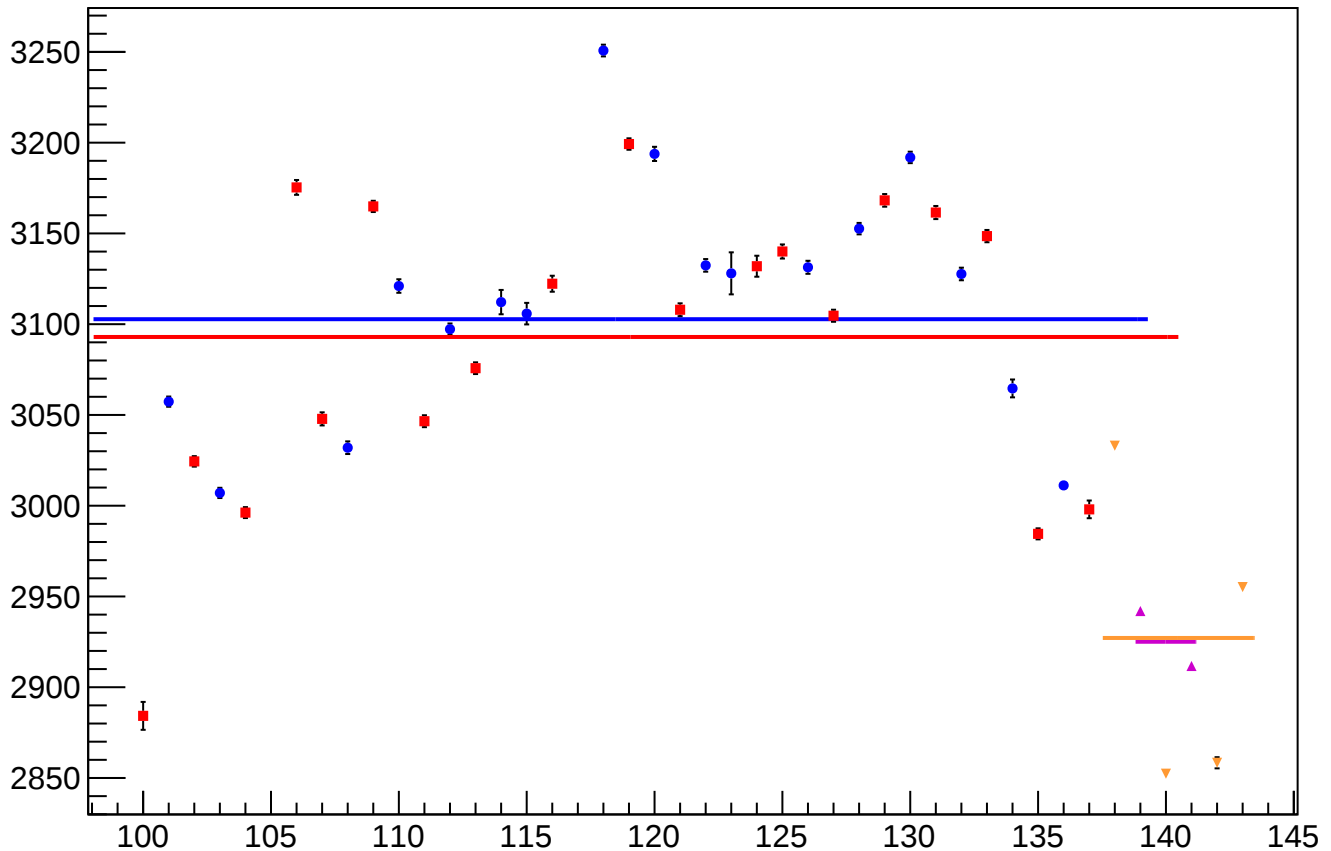
Left In: -8.566 ± 2.369 χ^2/NDF : 1.4/1

+ sign -17.102 ± 0.991 χ^2/NDF : 223.7/20

All: -12.882 ± 0.718 χ^2/NDF : 540.2/41

- sign -8.233 ± 1.041 χ^2/NDF : 278.4/20

diff_bpm0l01X_rms vs Slug



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

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

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

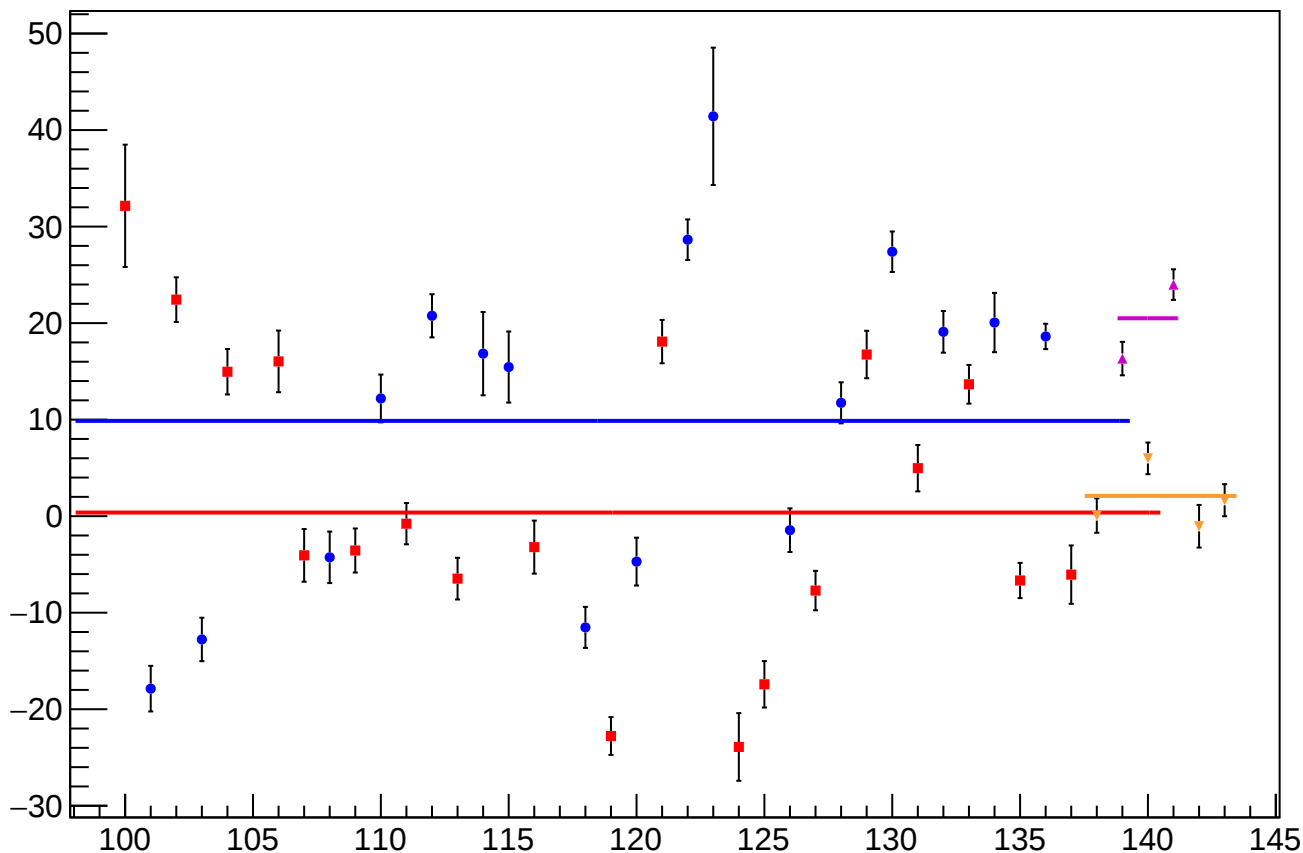
Left In: 2925.054+/-1.675 χ^2/NDF : 80.5/1

+ sign 3047.656+/-0.701 χ^2/NDF : 24371.9/20

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

- sign 3060.542+/-0.736 χ^2/NDF : 15992.8/20

diff_bpm0l01Y_mean vs Slug



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

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

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

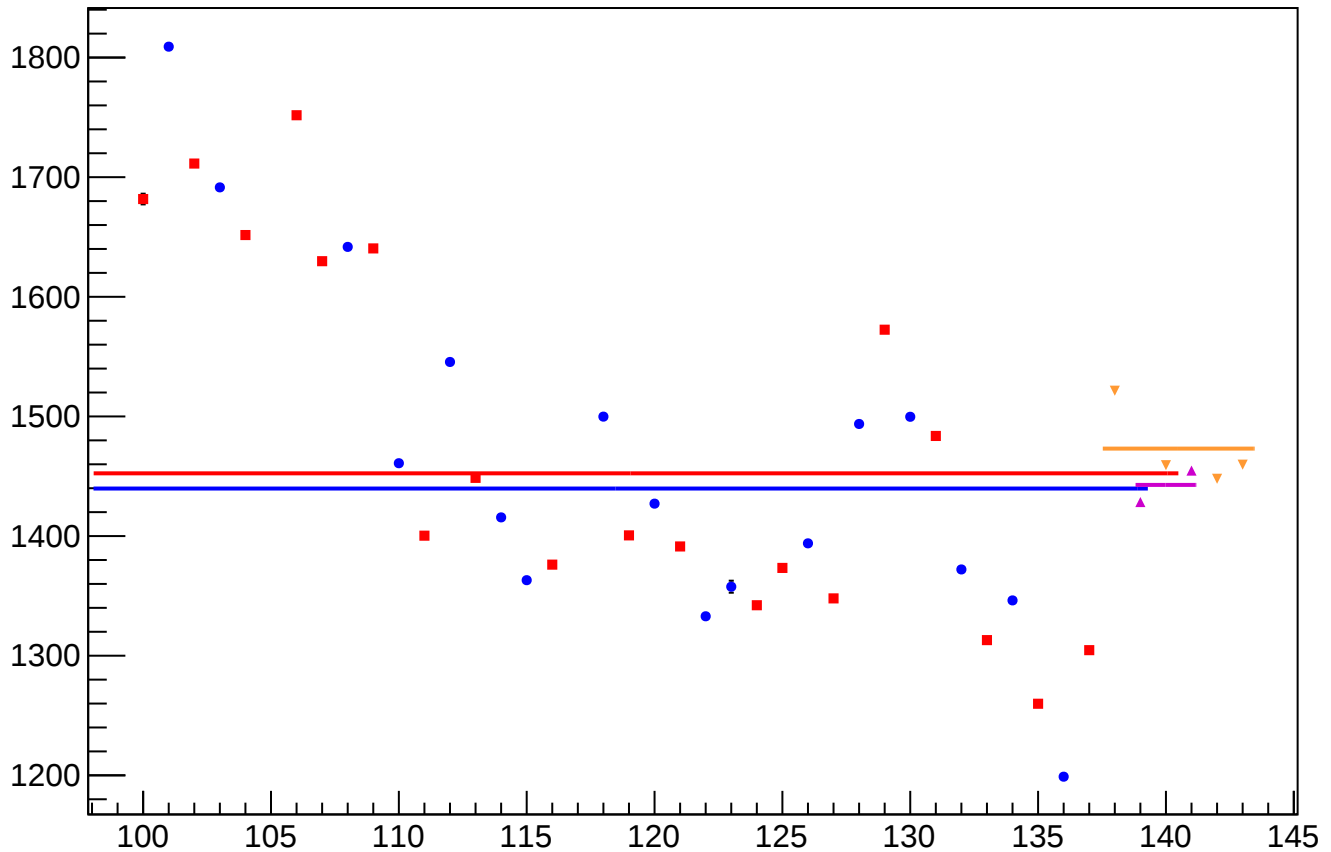
Left In: 20.501+/-1.169 χ^2/NDF : 10.7/1

+ sign 7.676+/-0.475 χ^2/NDF : 765.0/20

All: 5.918+/-0.343 χ^2/NDF : 1675.3/41

- sign 3.998+/-0.496 χ^2/NDF : 881.6/20

diff_bpm0l01Y_rms vs Slug



Right In: 1439.733+/-0.396 χ^2/NDF : 172867.1/16

Left Out: 1473.118+/-0.631 χ^2/NDF : 2007.5/3

Right Out: 1452.445+/-0.387 χ^2/NDF : 138400.9/18

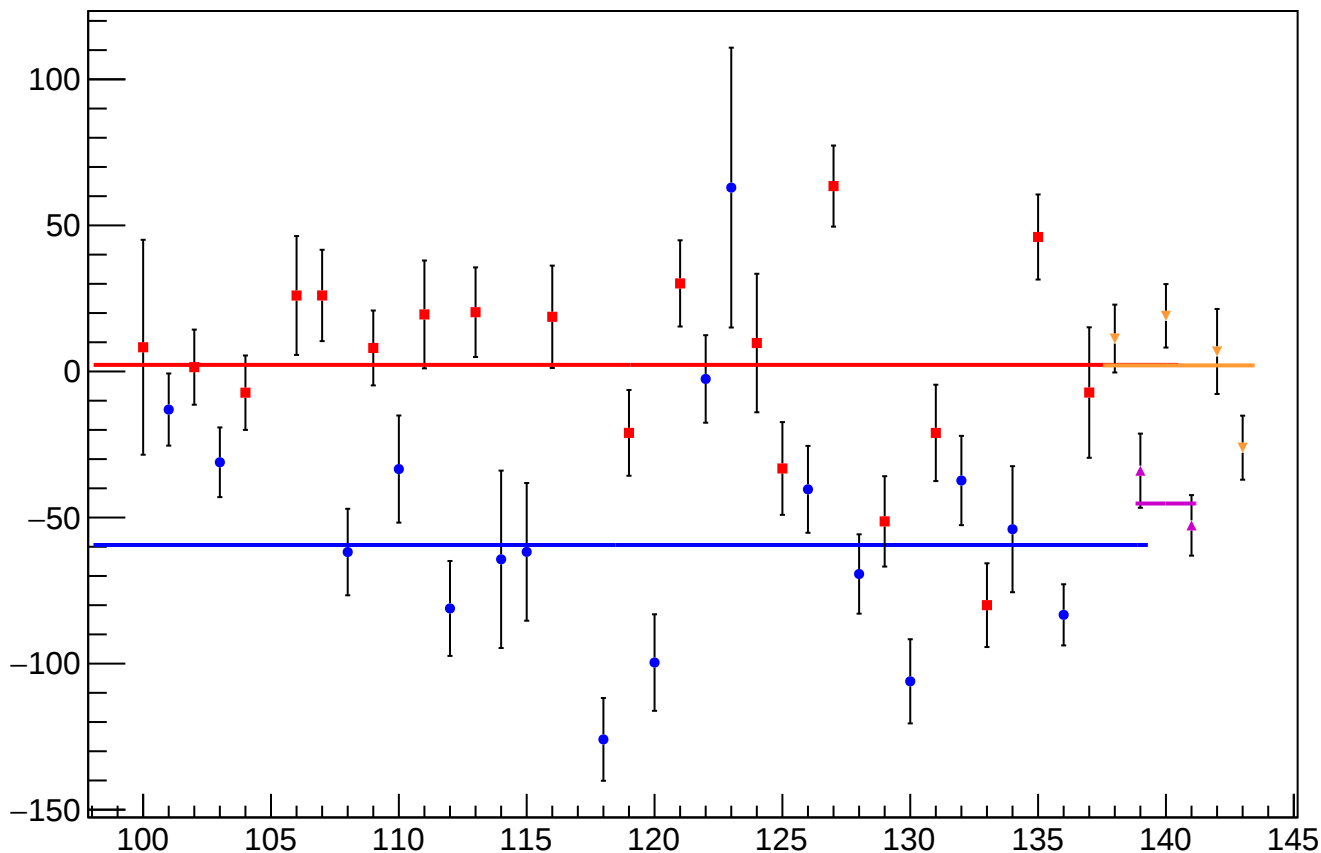
Left In: 1442.768+/-0.827 χ^2/NDF : 250.8/1

+ sign 1449.169+/-0.336 χ^2/NDF : 176880.3/20

All: 1449.902+/-0.243 χ^2/NDF : 315654.3/41

- sign 1450.703+/-0.351 χ^2/NDF : 138764.0/20

diff_bpm0l02X_mean vs Slug



Right In: -59.392 ± 3.736 χ^2/NDF : 92.5/16

Left Out: 2.081 ± 5.879 χ^2/NDF : 9.8/3

Right Out: 2.255 ± 3.636 χ^2/NDF : 94.4/18

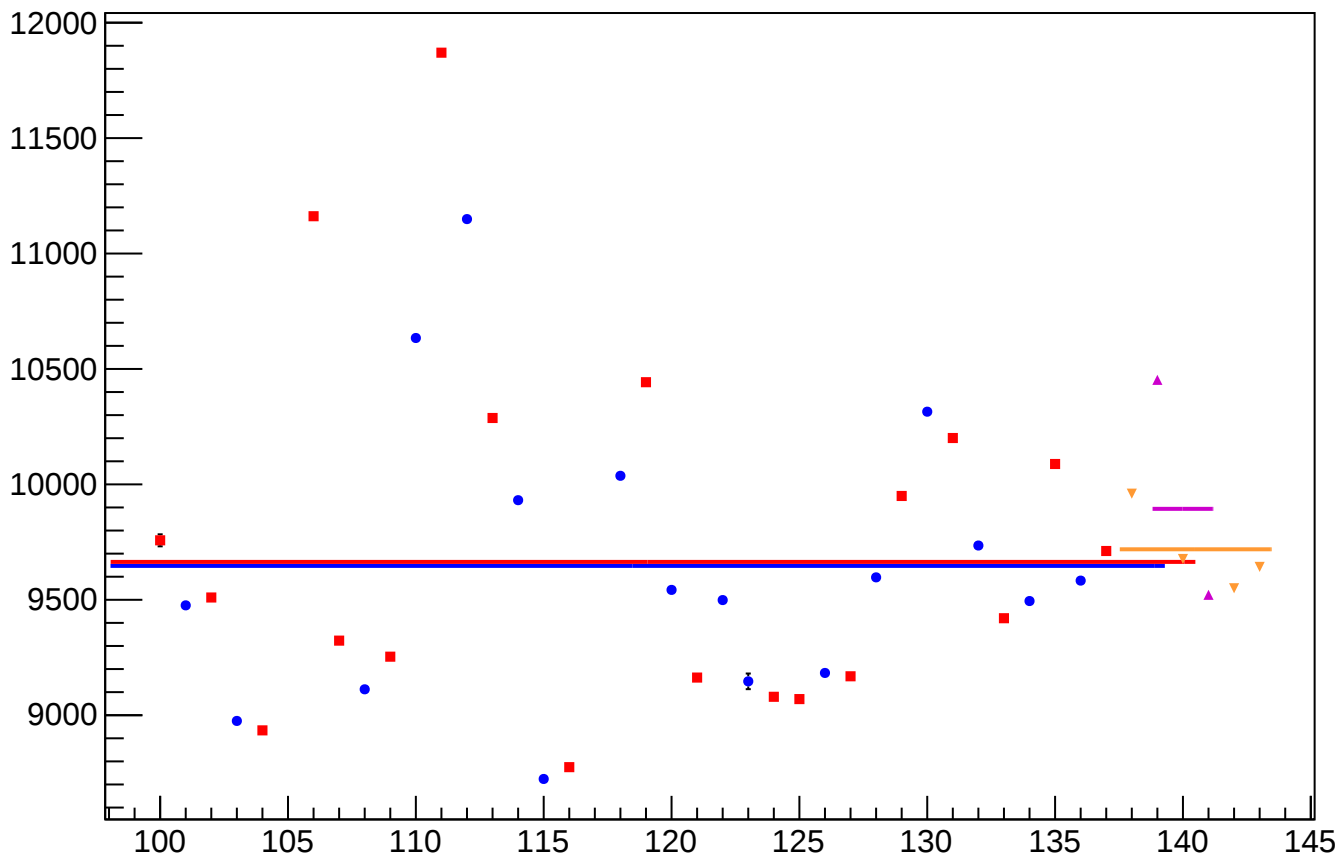
Left In: -45.198 ± 8.026 χ^2/NDF : 1.3/1

+ sign -41.710 ± 3.153 χ^2/NDF : 180.2/20

All: -24.652 ± 2.284 χ^2/NDF : 366.5/41

- sign -5.827 ± 3.312 χ^2/NDF : 124.7/20

diff_bpm0l02X_rms vs Slug



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

Left Out: 9718.764+/-4.157 χ^2 /NDF:1256.7/3

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

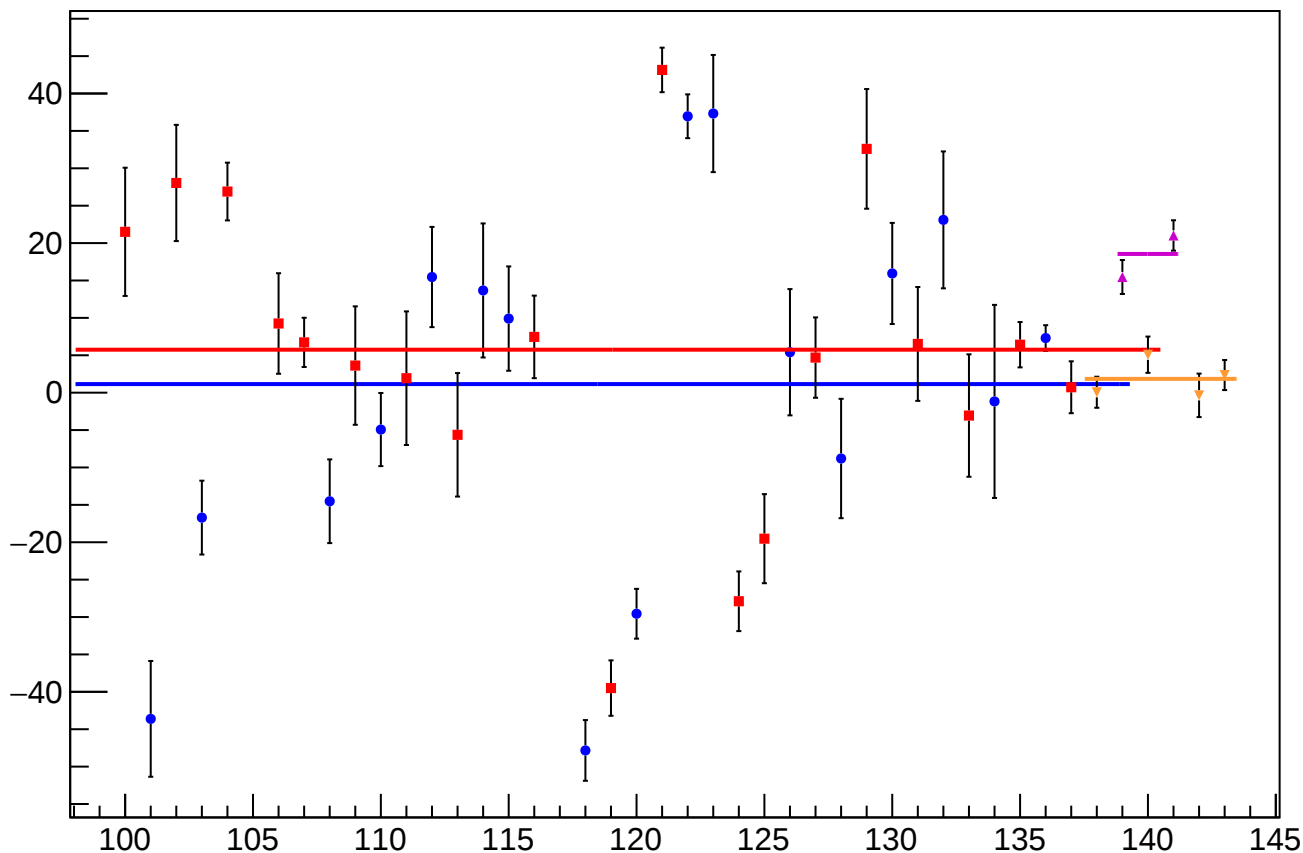
Left In: 9894.025+/-5.675 χ^2 /NDF:6460.6/1

+ sign 9667.586+/-2.229 χ^2 /NDF: 45466.6/20

All: 9684.580+/-1.615 χ^2 /NDF: 130736.7/41

- sign 9703.335+/-2.342 χ^2 /NDF: 85147.8/20

diff_bpm0l02Y_mean vs Slug



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

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

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

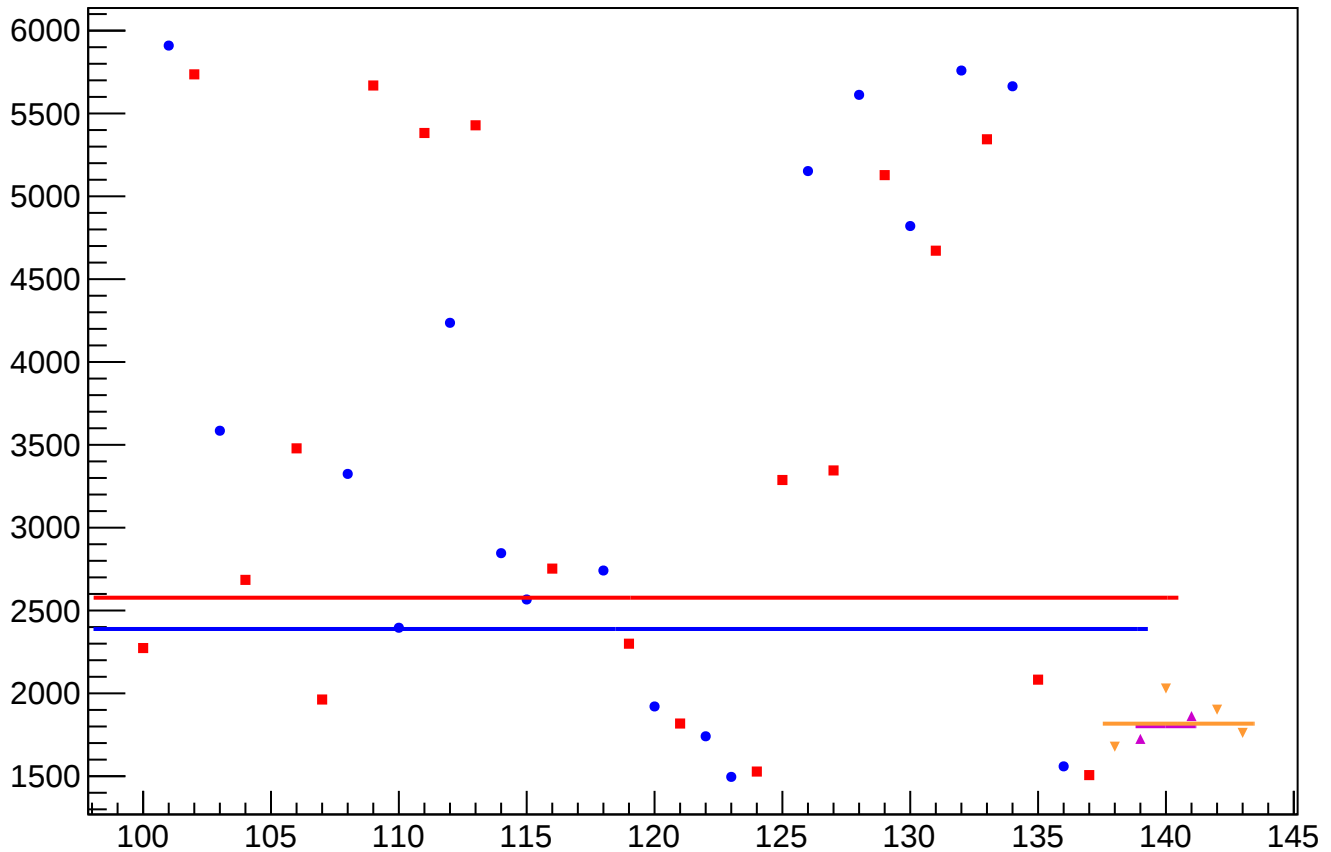
Left In: 18.549 ± 1.513 $\chi^2/\text{NDF}: 3.3/1$

+ sign 1.473 ± 0.779 $\chi^2/\text{NDF}: 494.0/20$

All: 5.252 ± 0.585 $\chi^2/\text{NDF}: 1053.3/41$

- sign 10.130 ± 0.885 $\chi^2/\text{NDF}: 505.4/20$

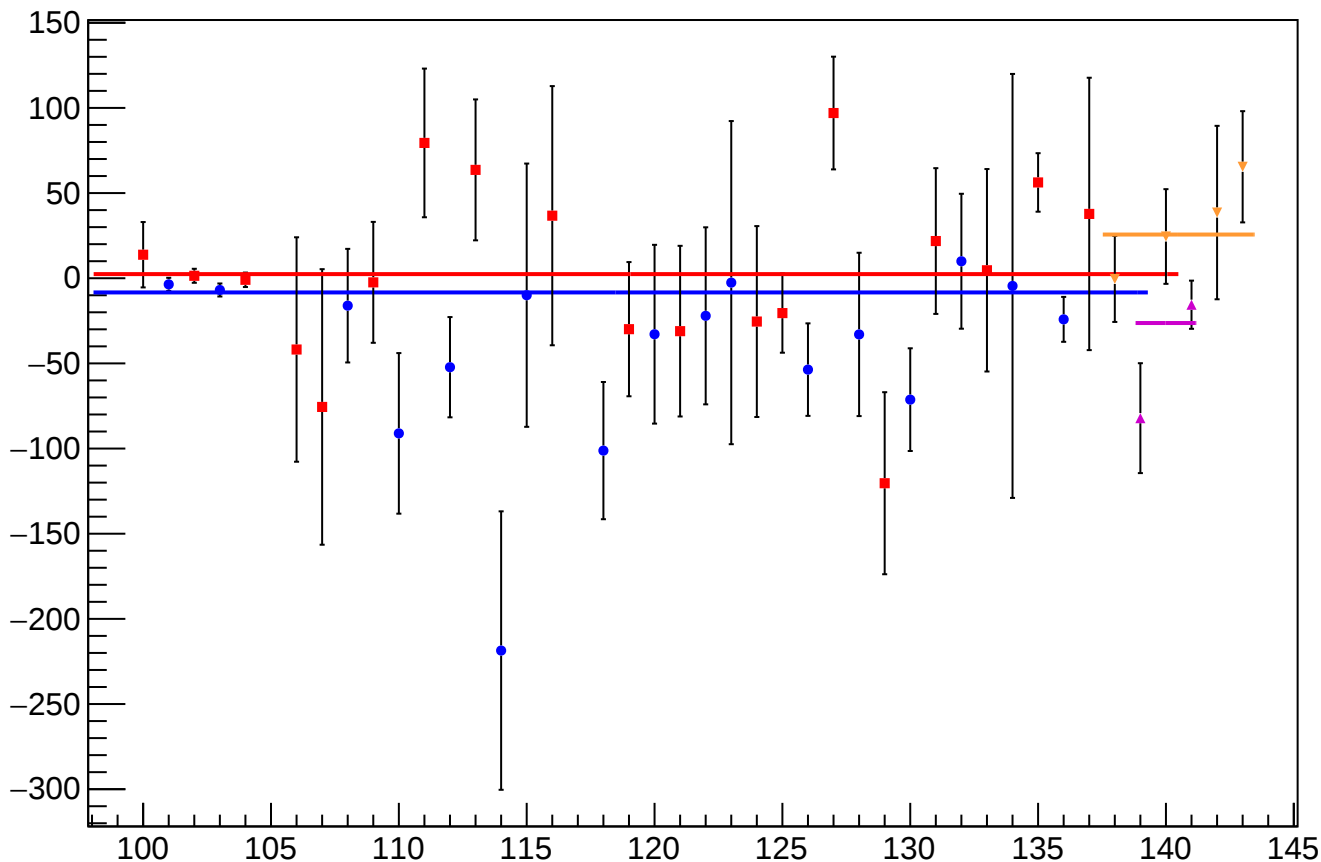
diff_bpm0l02Y_rms vs Slug



Right In: 2388.532 $\pm$ 0.755 χ^2 /NDF: 2588689.4/16
 Left Out: 1817.107 $\pm$ 0.807 χ^2 /NDF: 27492.3/3
 Right Out: 2577.351 $\pm$ 0.772 χ^2 /NDF: 2358780.3/18
 Left In: 1801.650 $\pm$ 1.070 χ^2 /NDF: 4087.9/1

+ sign 2121.857 $\pm$ 0.551 χ^2 /NDF: 2883787.9/20
 All: 2204.759 $\pm$ 0.414 χ^2 /NDF: 5644058.1/41
 - sign 2311.781 $\pm$ 0.626 χ^2 /NDF: 2708424.6/20

diff_bpm0l03X_mean vs Slug



Right In: -8.339 ± 2.588 χ^2/NDF : 28.3/16

Left Out: 25.654 ± 15.459 χ^2/NDF : 2.6/3

Right Out: 2.423 ± 2.787 χ^2/NDF : 33.9/18

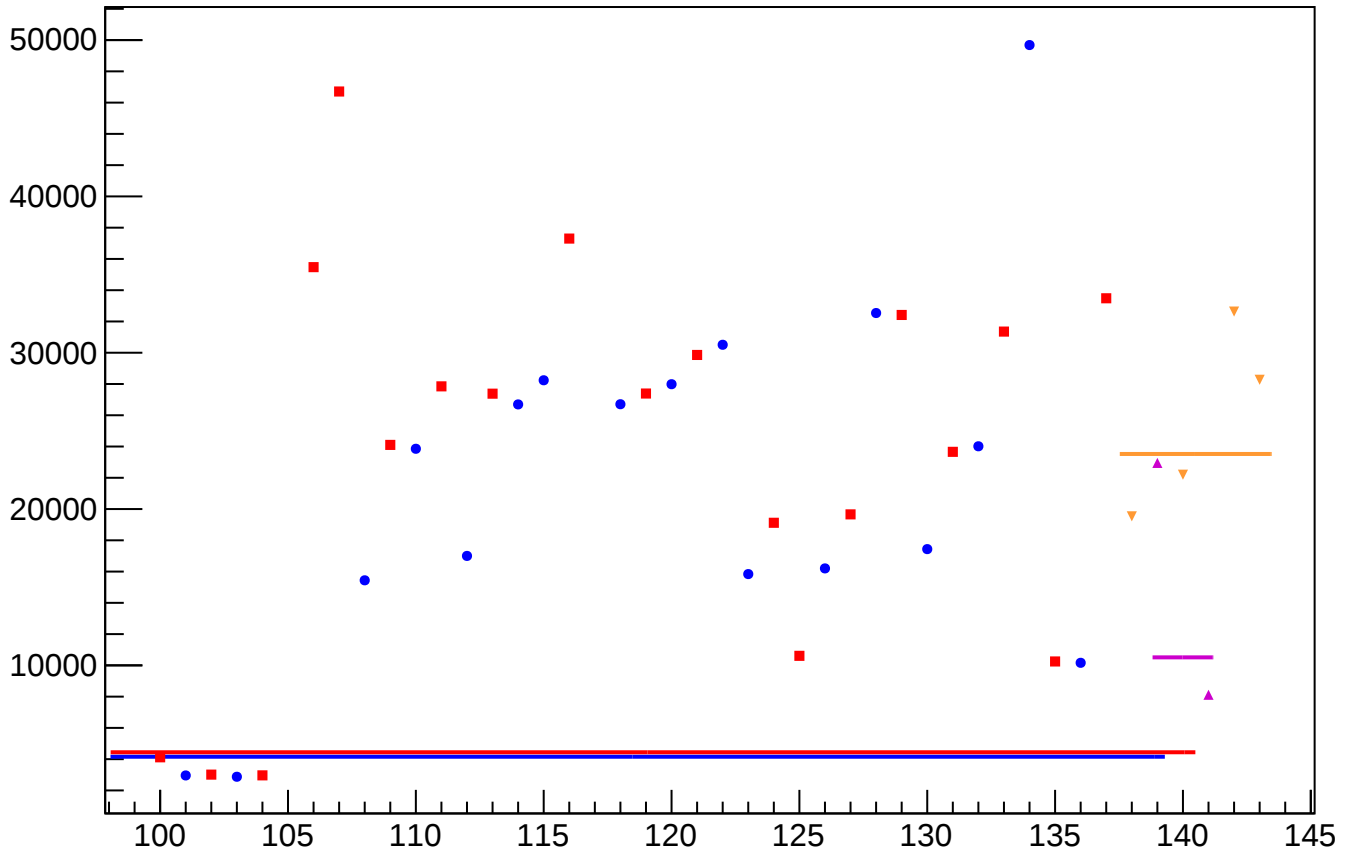
Left In: -26.297 ± 12.956 χ^2/NDF : 3.6/1

+ sign -7.412 ± 2.553 χ^2/NDF : 35.6/20

All: -3.409 ± 1.863 χ^2/NDF : 83.1/41

- sign 1.153 ± 2.725 χ^2/NDF : 42.2/20

diff_bpm0l03X_rms vs Slug



Right In: 4156.086+/-1.830 χ^2/NDF : 5974546.9/16

Left Out: 23523.479+/-10.931 χ^2/NDF : 160703.1/3

Right Out: 4441.440+/-1.971 χ^2/NDF : 7399930.1/18

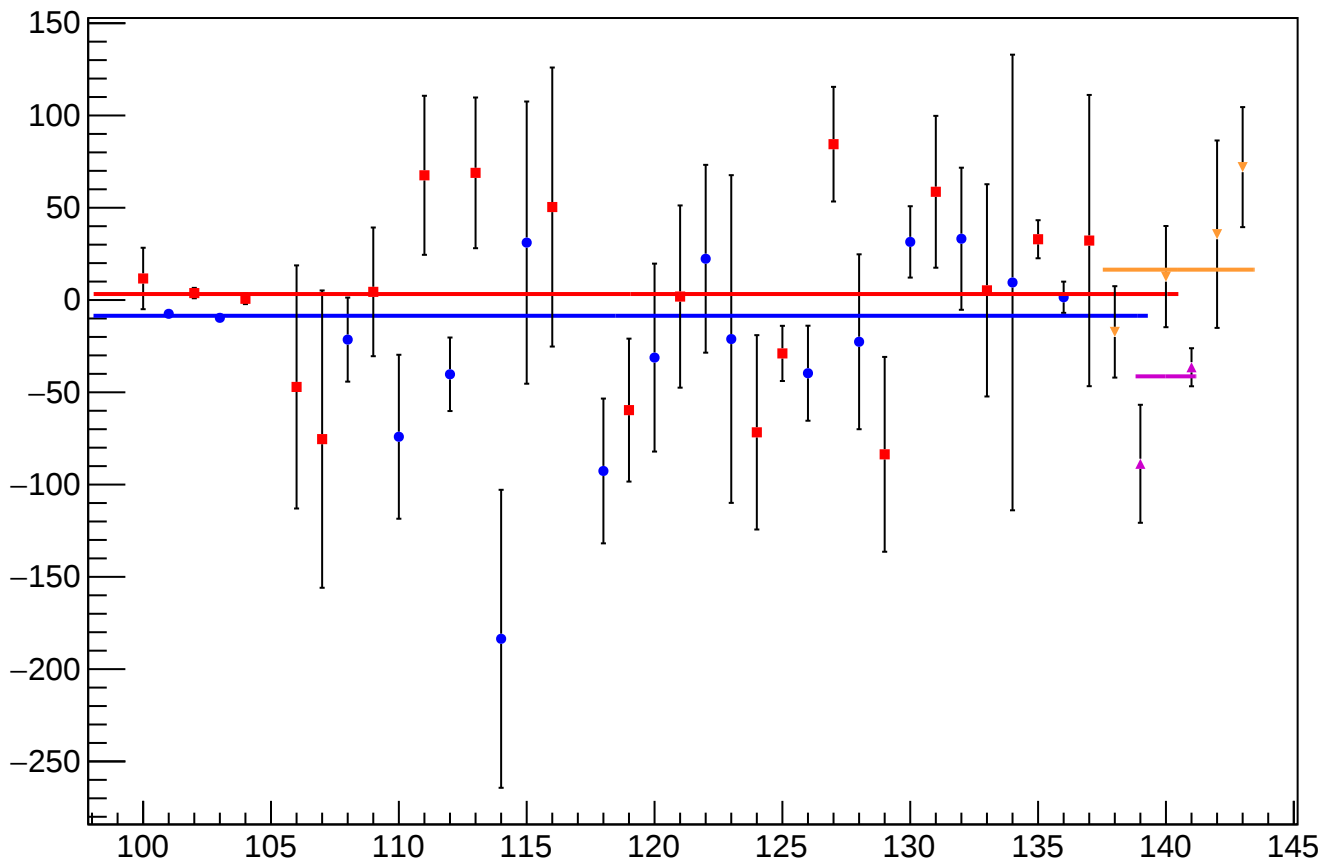
Left In: 10511.934+/-9.161 χ^2/NDF : 354555.8/1

+ sign 4684.124+/-1.805 χ^2/NDF : 9188737.8/20

All: 4696.178+/-1.317 χ^2/NDF : 17362963.3/4

- sign 4709.912+/-1.927 χ^2/NDF : 8174130.1/20

diff_bpm0l03Y_mean vs Slug



Right In: -8.536 ± 1.778 $\chi^2/\text{NDF}: 24.0/16$

Left Out: 16.455 ± 15.261 $\chi^2/\text{NDF}: 4.9/3$

Right Out: 3.248 ± 1.922 $\chi^2/\text{NDF}: 36.9/18$

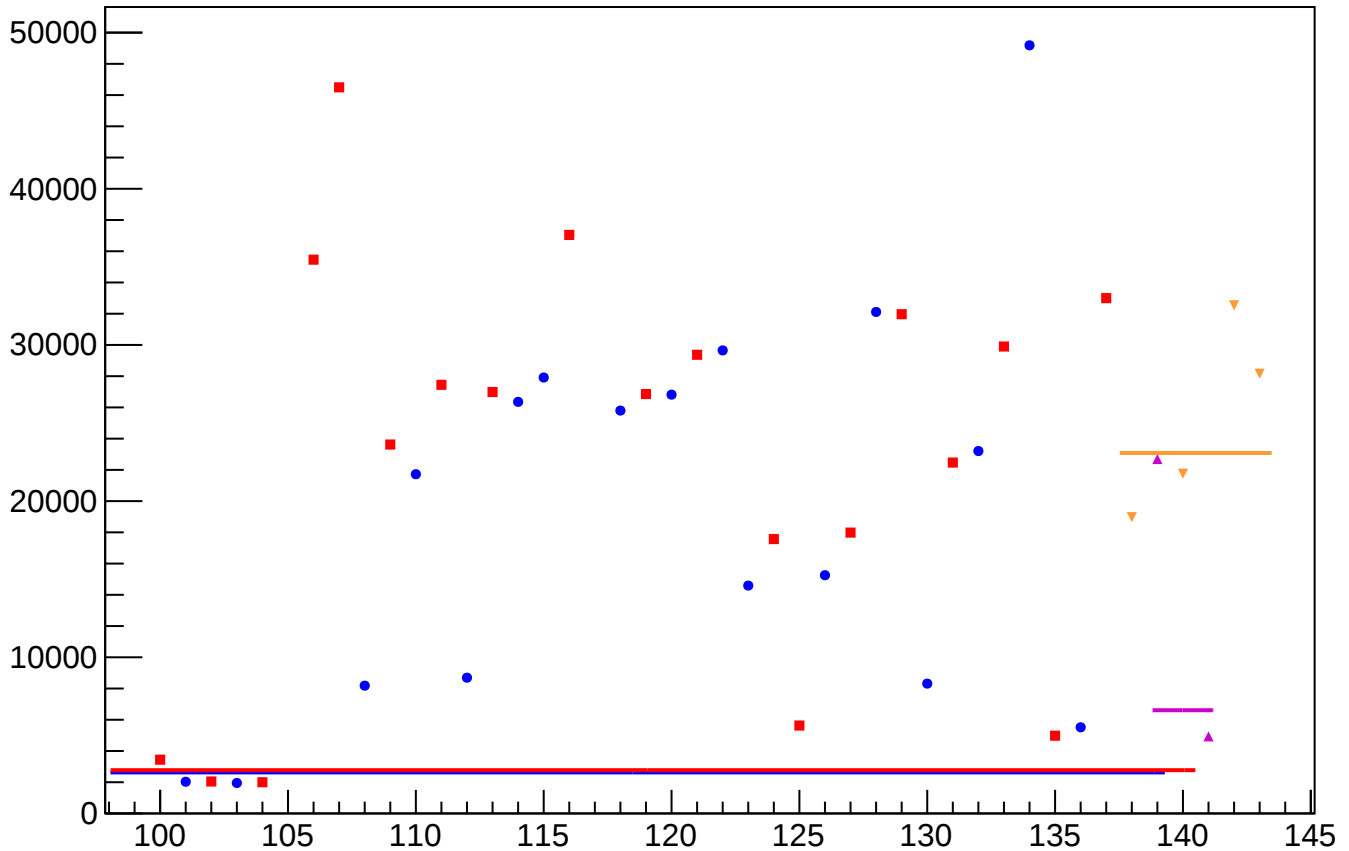
Left In: -41.353 ± 9.814 $\chi^2/\text{NDF}: 2.4/1$

+ sign -8.202 ± 1.766 $\chi^2/\text{NDF}: 31.5/20$

All: -3.624 ± 1.289 $\chi^2/\text{NDF}: 105.2/41$

- sign 1.600 ± 1.886 $\chi^2/\text{NDF}: 59.2/20$

diff_bpm0l03Y_rms vs Slug



Right In: 2627.104 ± 1.257 $\chi^2/\text{NDF}: 5569866.4/16$

Left Out: 23081.779 ± 10.791 $\chi^2/\text{NDF}: 177752.3/3$

Right Out: 2770.651 ± 1.359 $\chi^2/\text{NDF}: 7812778.8/18$

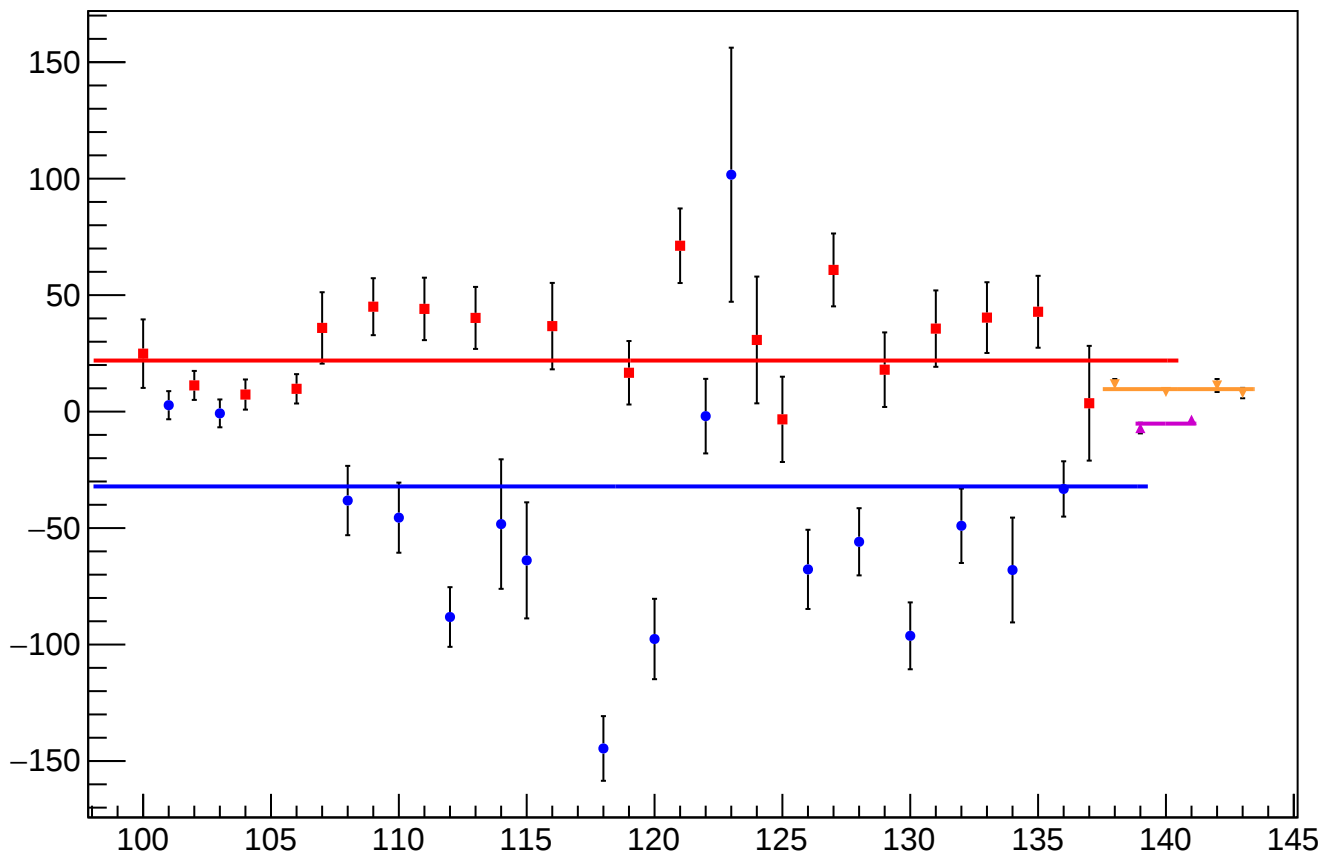
Left In: 6609.969 ± 6.939 $\chi^2/\text{NDF}: 558900.3/1$

+ sign 2901.034 ± 1.249 $\chi^2/\text{NDF}: 9292406.5/20$

All: 2906.397 ± 0.912 $\chi^2/\text{NDF}: 17958925.4/4$

- sign 2912.515 ± 1.334 $\chi^2/\text{NDF}: 8666479.4/20$

diff_bpm0l04X_mean vs Slug



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

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

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

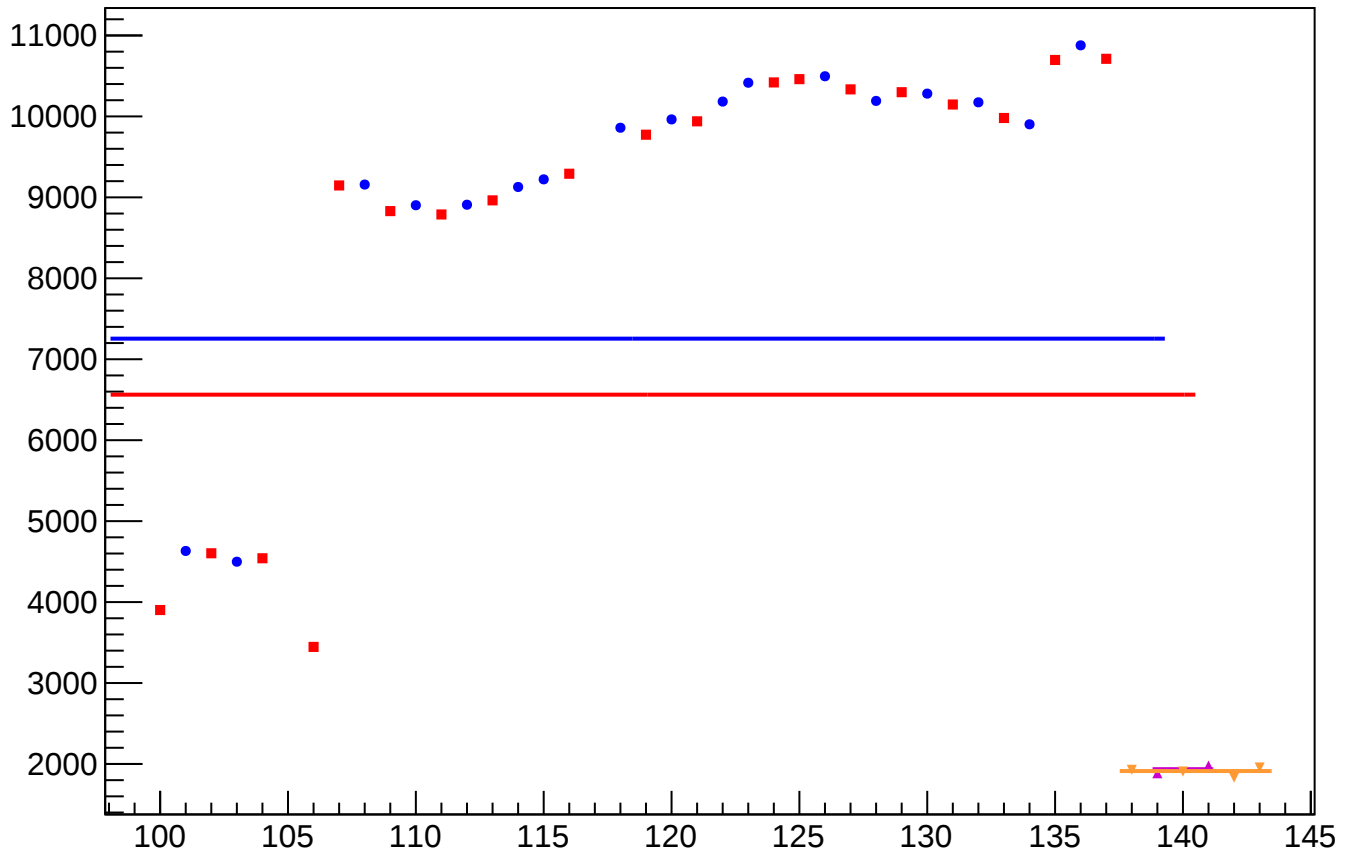
Left In: -5.163 ± 1.569 χ^2/NDF : 1.3/1

+ sign 4.191 ± 1.079 χ^2/NDF : 375.7/20

All: 3.256 ± 0.844 χ^2/NDF : 499.3/41

- sign 1.785 ± 1.353 χ^2/NDF : 121.6/20

diff_bpm0l04X_rms vs Slug



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

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

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

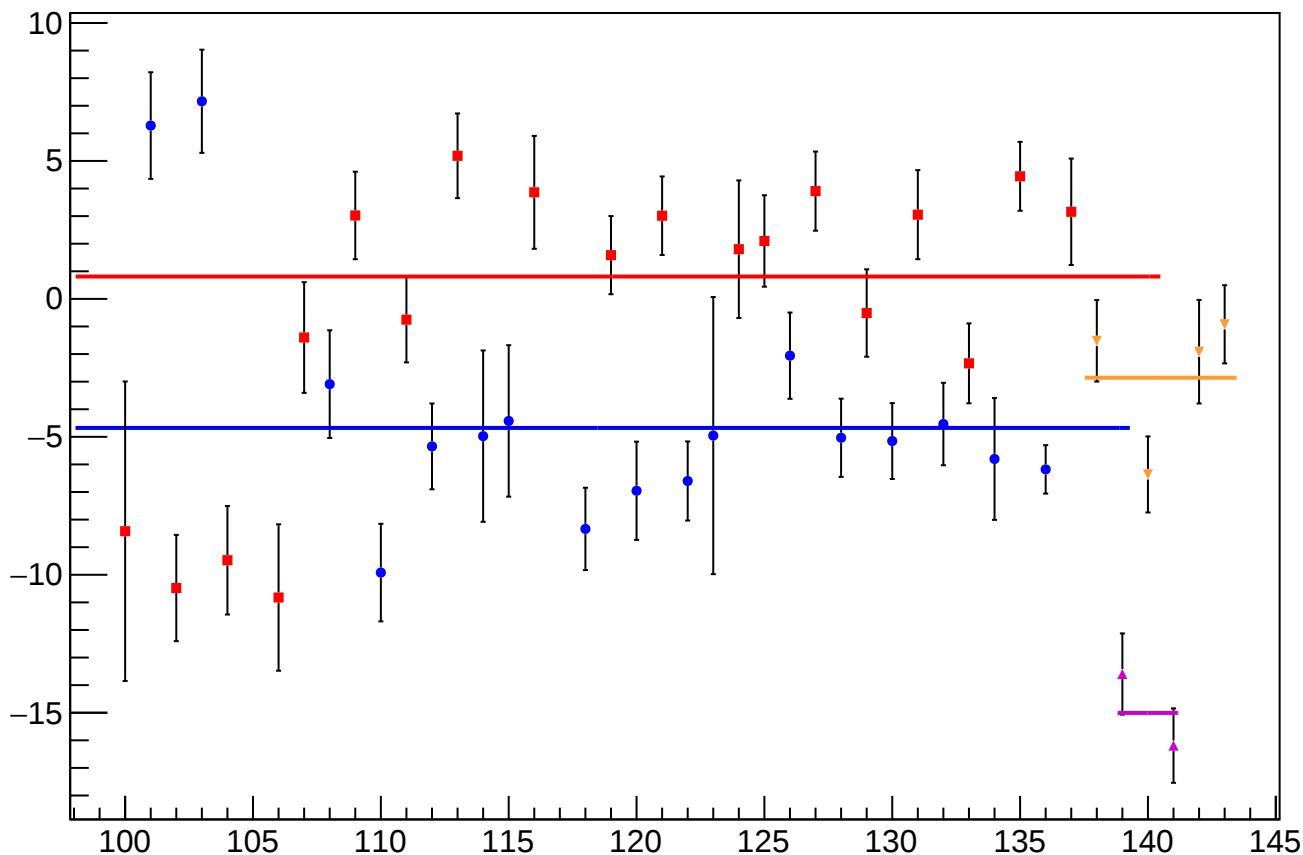
Left In: 1935.804+/-1.110 χ^2/NDF : 1842.6/1

+ sign 2610.810+/-0.763 χ^2/NDF : 7204969.0/20

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

- sign 3122.678+/-0.957 χ^2/NDF : 6652389.8/20

diff_bpm0l04Y_mean vs Slug



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

Left Out: -2.857 ± 0.752 χ^2/NDF : 9.4/3

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

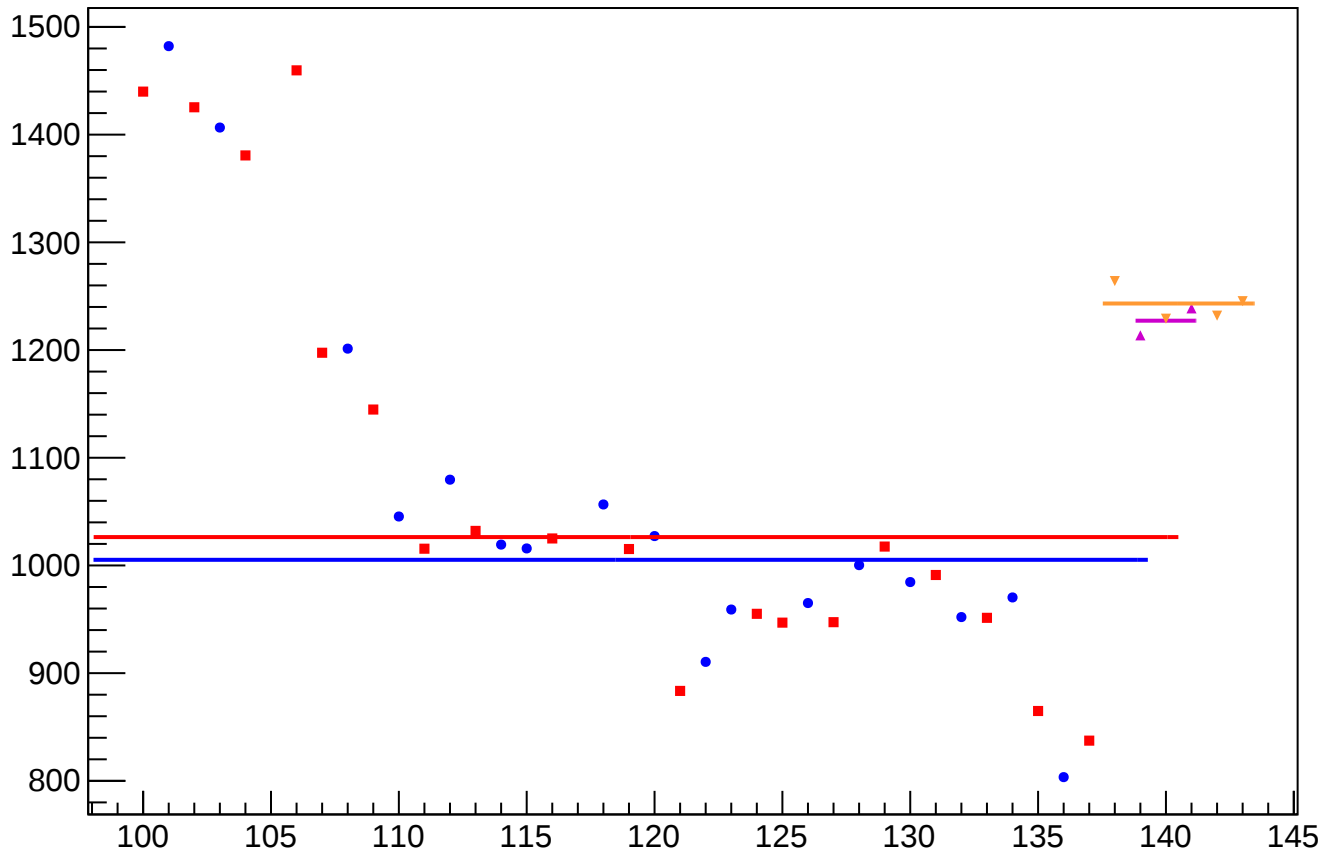
Left In: -15.007 ± 0.994 χ^2/NDF : 1.7/1

+ sign -4.286 ± 0.349 χ^2/NDF : 111.6/20

All: -2.848 ± 0.251 χ^2/NDF : 492.0/41

- sign -1.293 ± 0.362 χ^2/NDF : 345.0/20

diff_bpm0l04Y_rms vs Slug



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

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

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

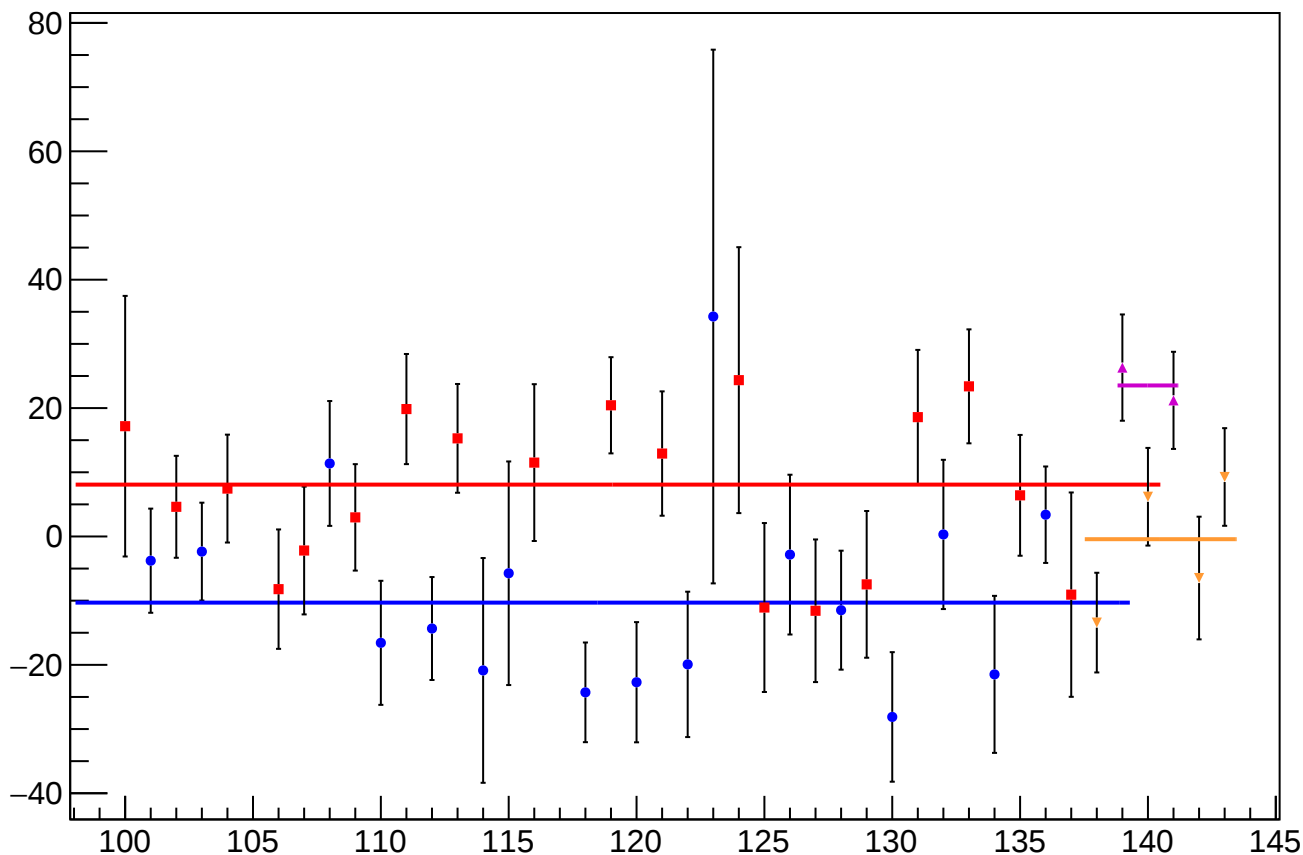
Left In: 1227.248+/-0.703 χ^2/NDF : 315.1/1

+ sign 1056.329+/-0.246 χ^2/NDF : 519798.3/20

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

- sign 1053.054+/-0.256 χ^2/NDF : 404130.8/20

diff_bpm0l05X_mean vs Slug



Right In: -10.305 ± 2.412 χ^2/NDF : 23.2/16

Left Out: -0.424 ± 4.013 χ^2/NDF : 5.6/3

Right Out: 8.079 ± 2.281 χ^2/NDF : 23.4/18

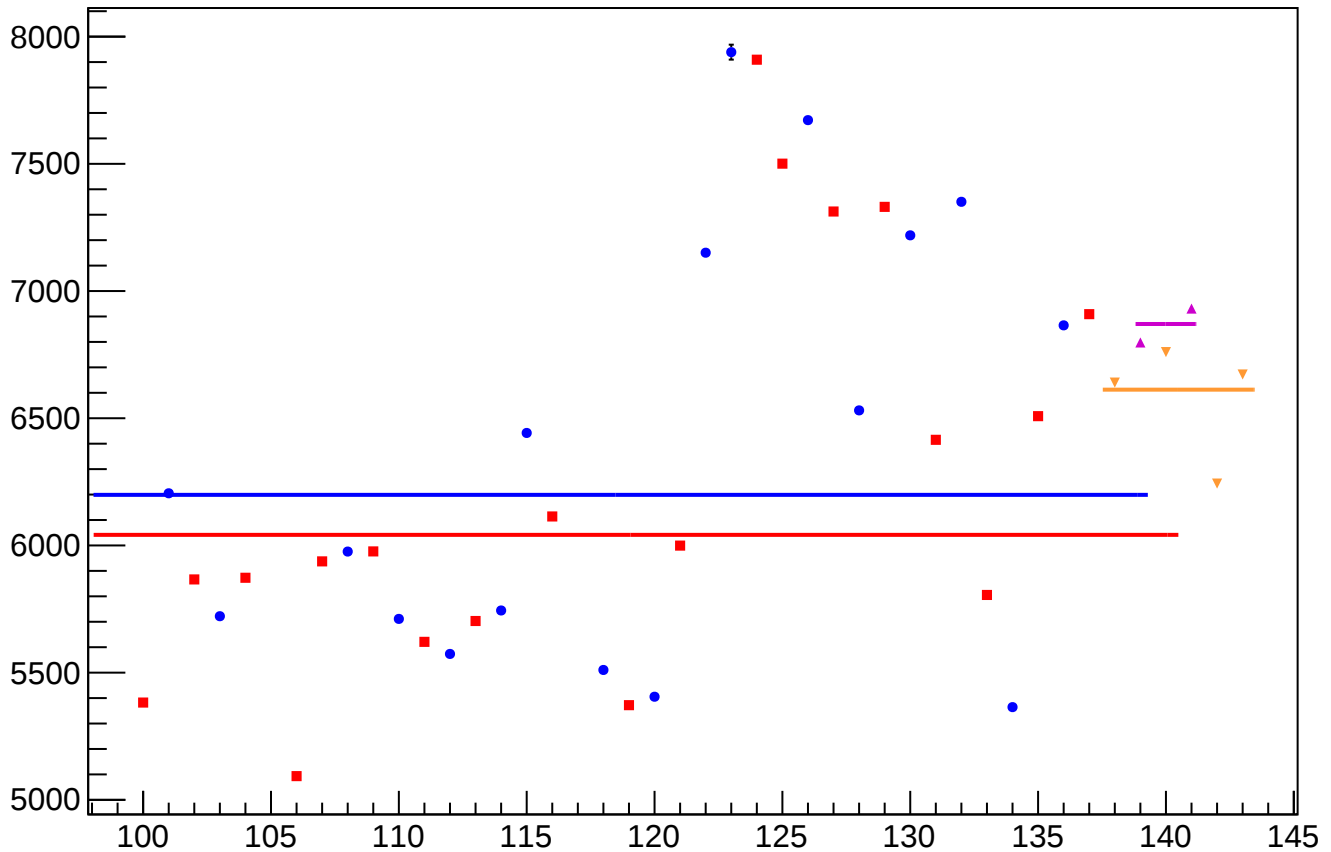
Left In: 23.525 ± 5.585 χ^2/NDF : 0.2/1

+ sign -7.683 ± 2.067 χ^2/NDF : 33.2/20

All: 1.111 ± 1.477 χ^2/NDF : 100.4/41

- sign 10.287 ± 2.111 χ^2/NDF : 30.2/20

diff_bpm0l05X_rms vs Slug



Right In: 6198.871+/-1.705 χ^2/NDF : 171305.8/16

Left Out: 6612.365+/-2.837 χ^2/NDF : 3887.3/3

+ sign 6308.602+/-1.462 χ^2/NDF : 190794.1/20

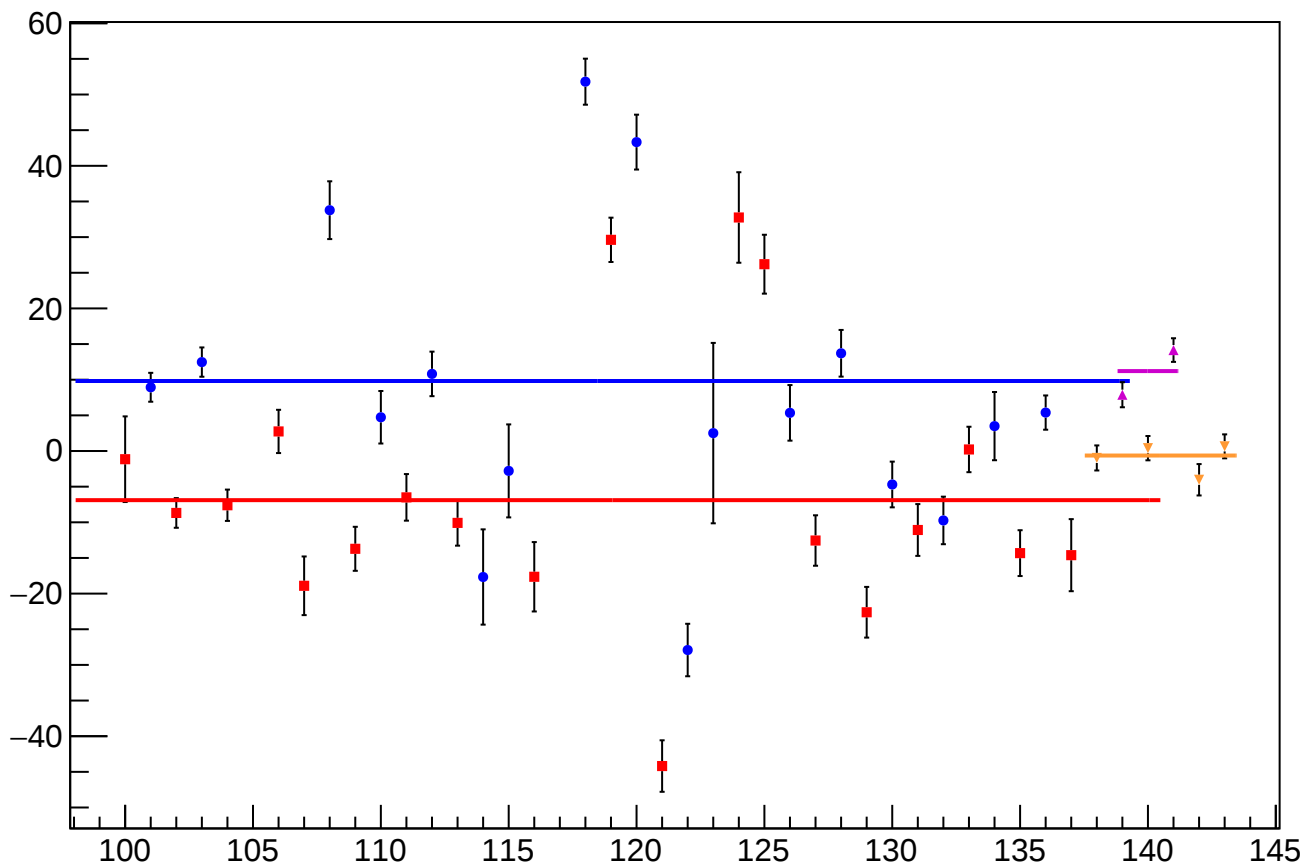
Right Out: 6041.626+/-1.613 χ^2/NDF : 156387.0/18

All: 6235.919+/-1.044 χ^2/NDF : 390268.2/41

- sign 6160.088+/-1.493 χ^2/NDF : 194421.8/20

Left In: 6870.477+/-3.949 χ^2/NDF : 282.1/1

diff_bpm0l05Y_mean vs Slug



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

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

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

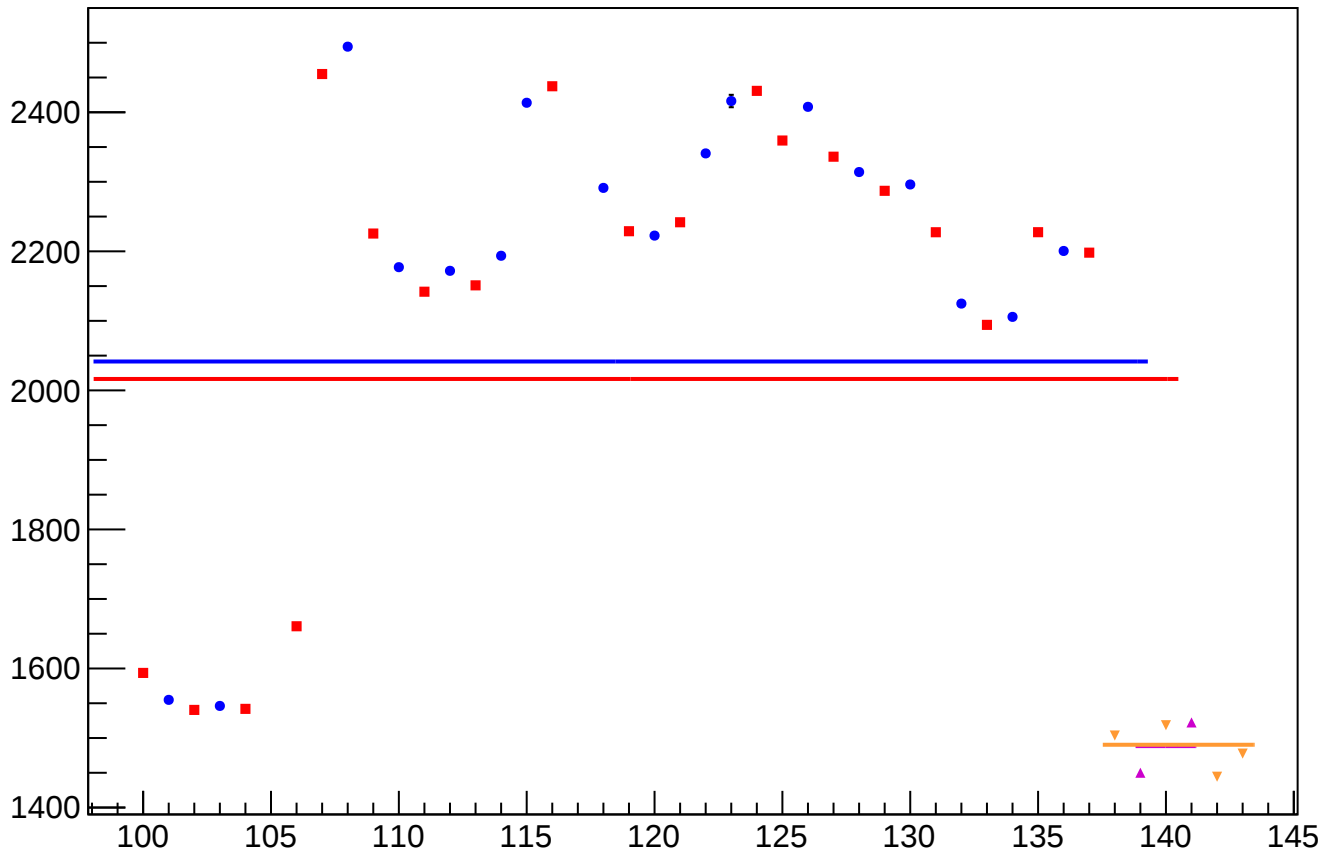
Left In: 11.210 ± 1.206 χ^2/NDF : 6.7/1

+ sign 5.231 ± 0.598 χ^2/NDF : 551.3/20

All: 2.041 ± 0.439 χ^2/NDF : 1195.6/41

- sign -1.691 ± 0.646 χ^2/NDF : 582.5/20

diff_bpm0l05Y_rms vs Slug



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

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

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

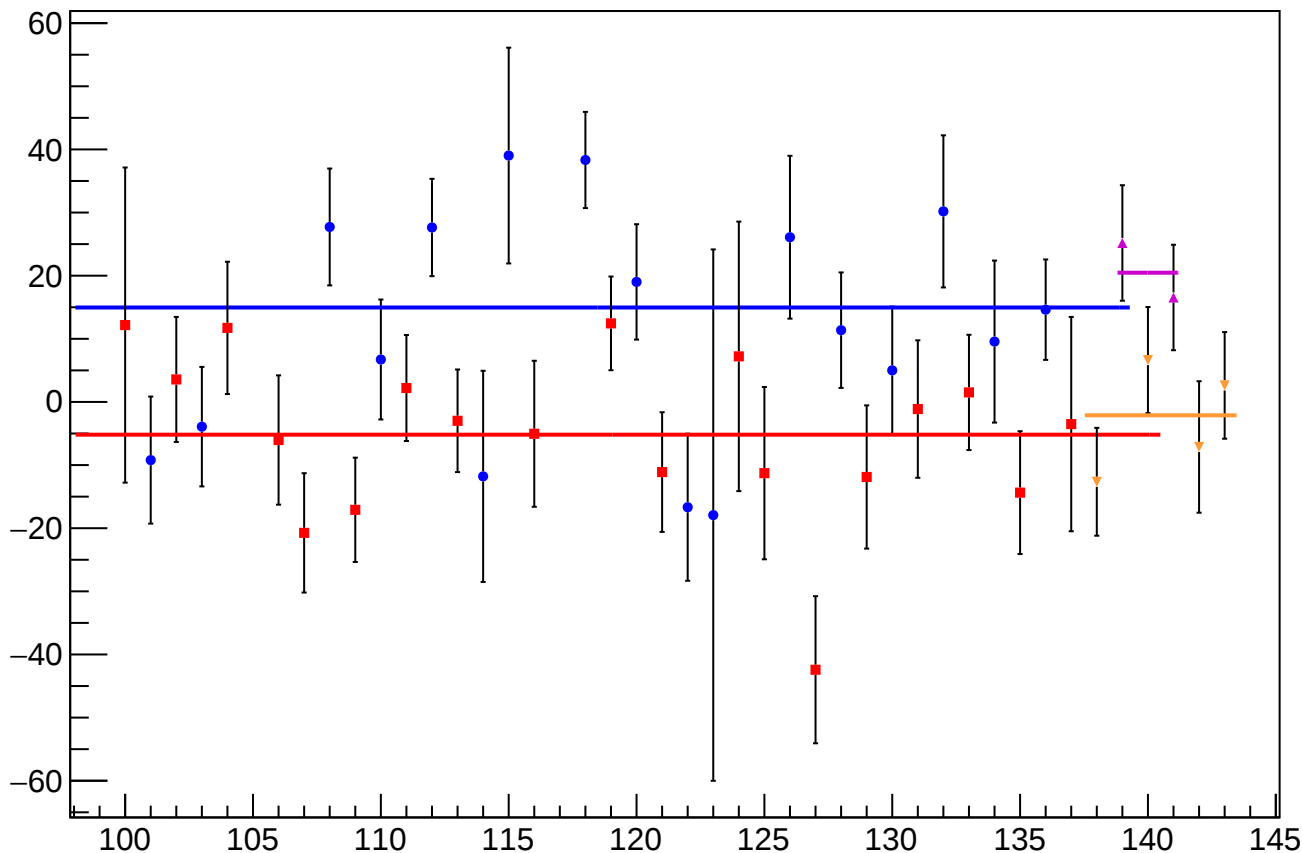
Left In: 1488.369 $\pm$ 0.853 χ^2 /NDF:1792.8/1

+ sign 1799.581 $\pm$ 0.423 χ^2 /NDF: 776796.0/20

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

- sign 1864.683 $\pm$ 0.457 χ^2 /NDF: 650184.3/20

diff_bpm0l06X_mean vs Slug



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

Left Out: -2.115 $\pm$ 4.422 χ^2 /NDF:3.2/3

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

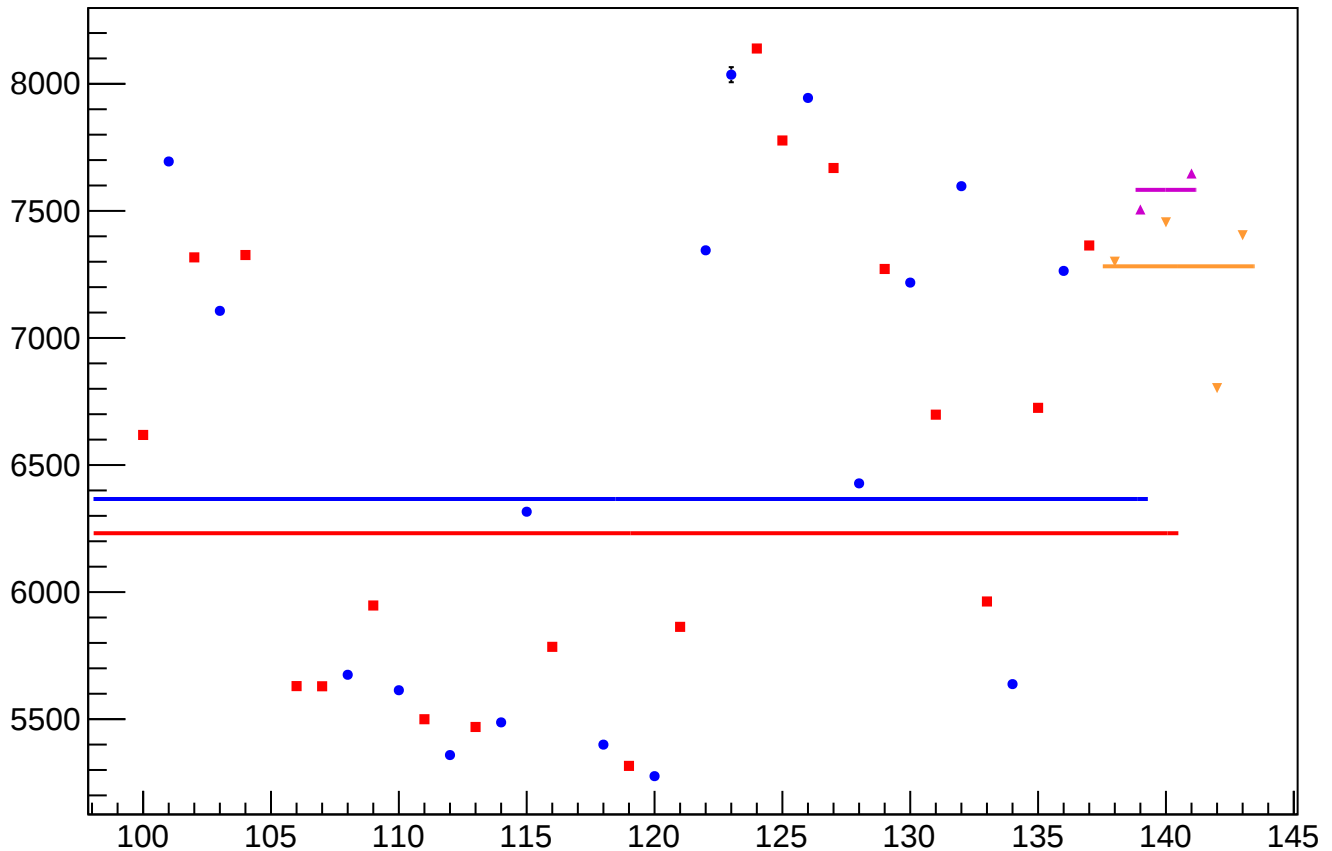
Left In: 20.470 $\pm$ 6.169 χ^2 /NDF:0.5/1

+ sign 10.852 $\pm$ 2.169 χ^2 /NDF: 55.4/20

All: 4.571 $\pm$ 1.546 χ^2 /NDF: 116.2/41

- sign -1.912 $\pm$ 2.204 χ^2 /NDF: 43.8/20

diff_bpm0l06X_rms vs Slug



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

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

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

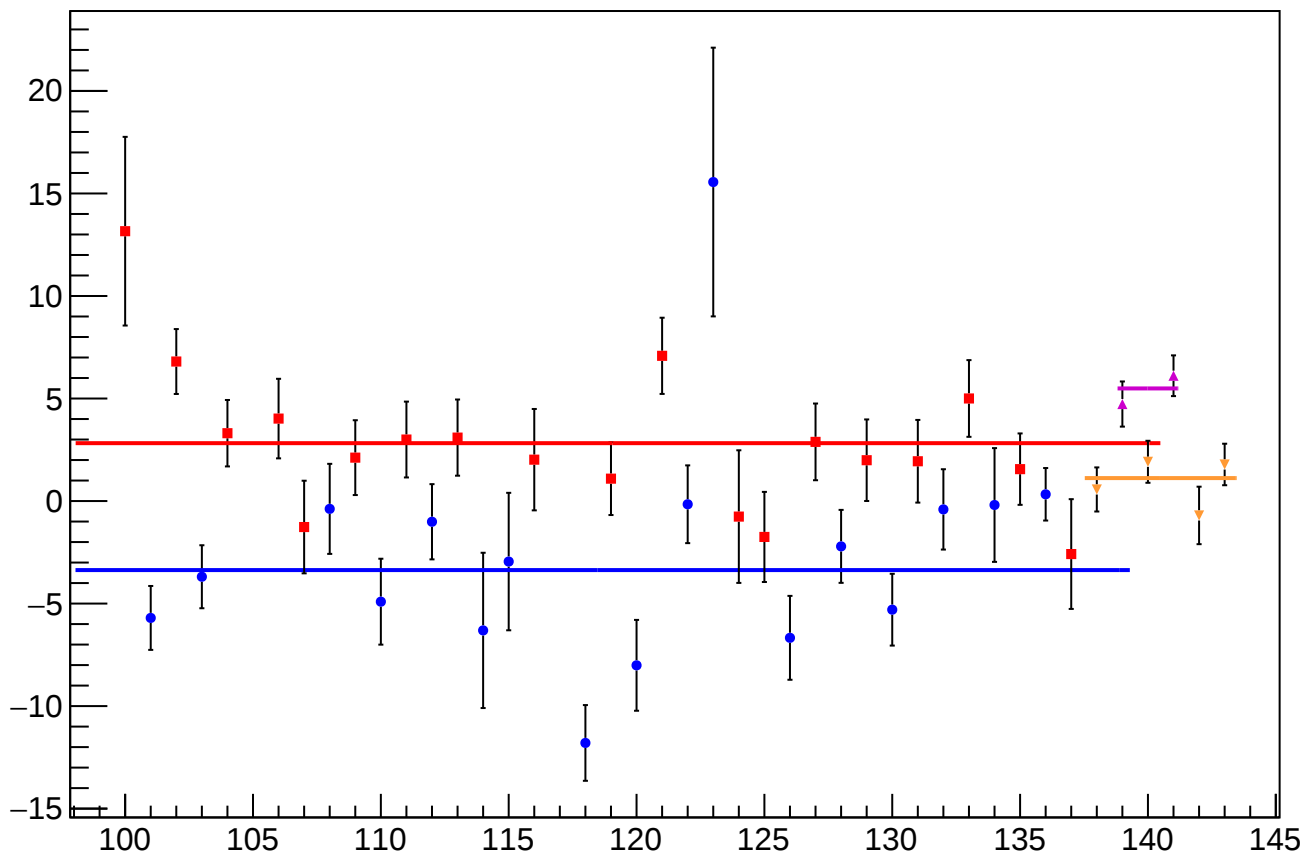
Left In: 7582.871+/-4.362 χ^2/NDF : 261.1/1

+ sign 6586.687+/-1.534 χ^2/NDF : 356181.2/20

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

- sign 6404.150+/-1.559 χ^2/NDF : 325277.5/20

diff_bpm0l06Y_mean vs Slug



Right In: -3.367 ± 0.476 $\chi^2/\text{NDF}: 59.6/16$

Left Out: 1.119 ± 0.550 $\chi^2/\text{NDF}: 3.0/3$

Right Out: 2.823 ± 0.457 $\chi^2/\text{NDF}: 33.5/18$

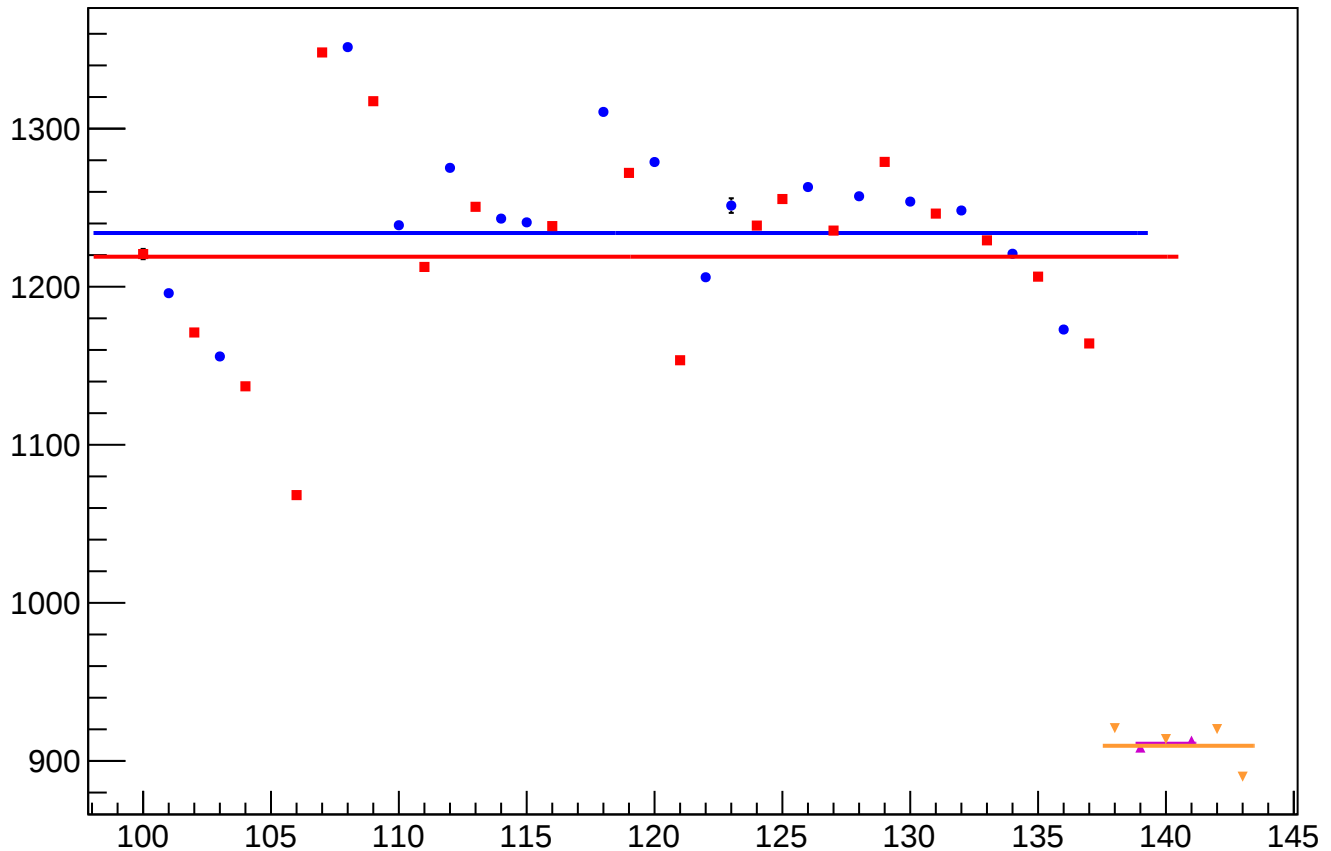
Left In: 5.492 ± 0.738 $\chi^2/\text{NDF}: 0.9/1$

+ sign -1.445 ± 0.360 $\chi^2/\text{NDF}: 100.6/20$

All: 0.869 ± 0.264 $\chi^2/\text{NDF}: 233.8/41$

- sign 3.564 ± 0.389 $\chi^2/\text{NDF}: 43.8/20$

diff_bpm0l06Y_rms vs Slug



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

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

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

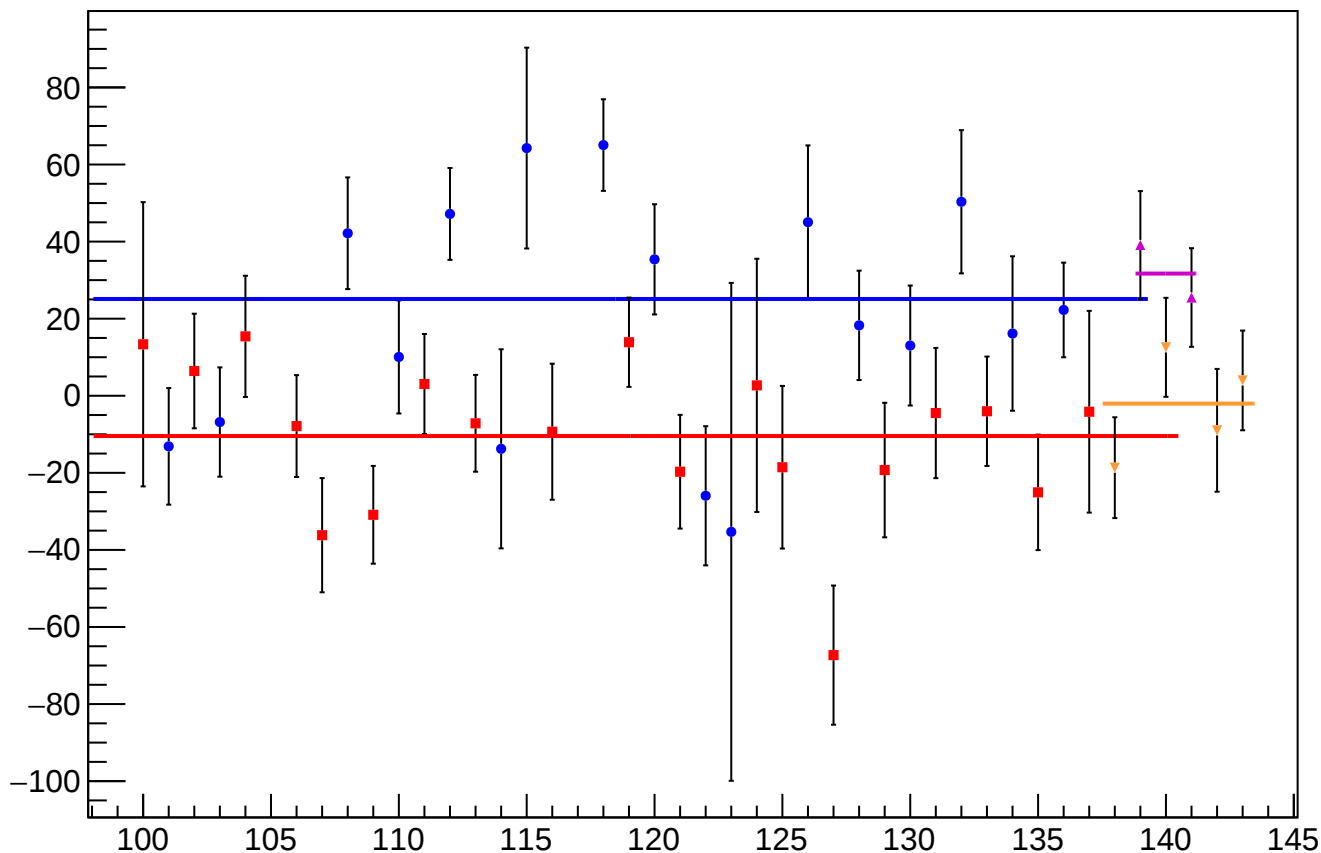
Left In: 910.887 ± 0.521 χ^2/NDF : 17.6/1

+ sign 1094.994 ± 0.255 χ^2/NDF : 422064.8/20

All: 1112.772 ± 0.187 χ^2/NDF : 725162.2/41

- sign 1133.469 ± 0.275 χ^2/NDF : 292548.2/20

diff_bpm0l07X_mean vs Slug



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

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

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

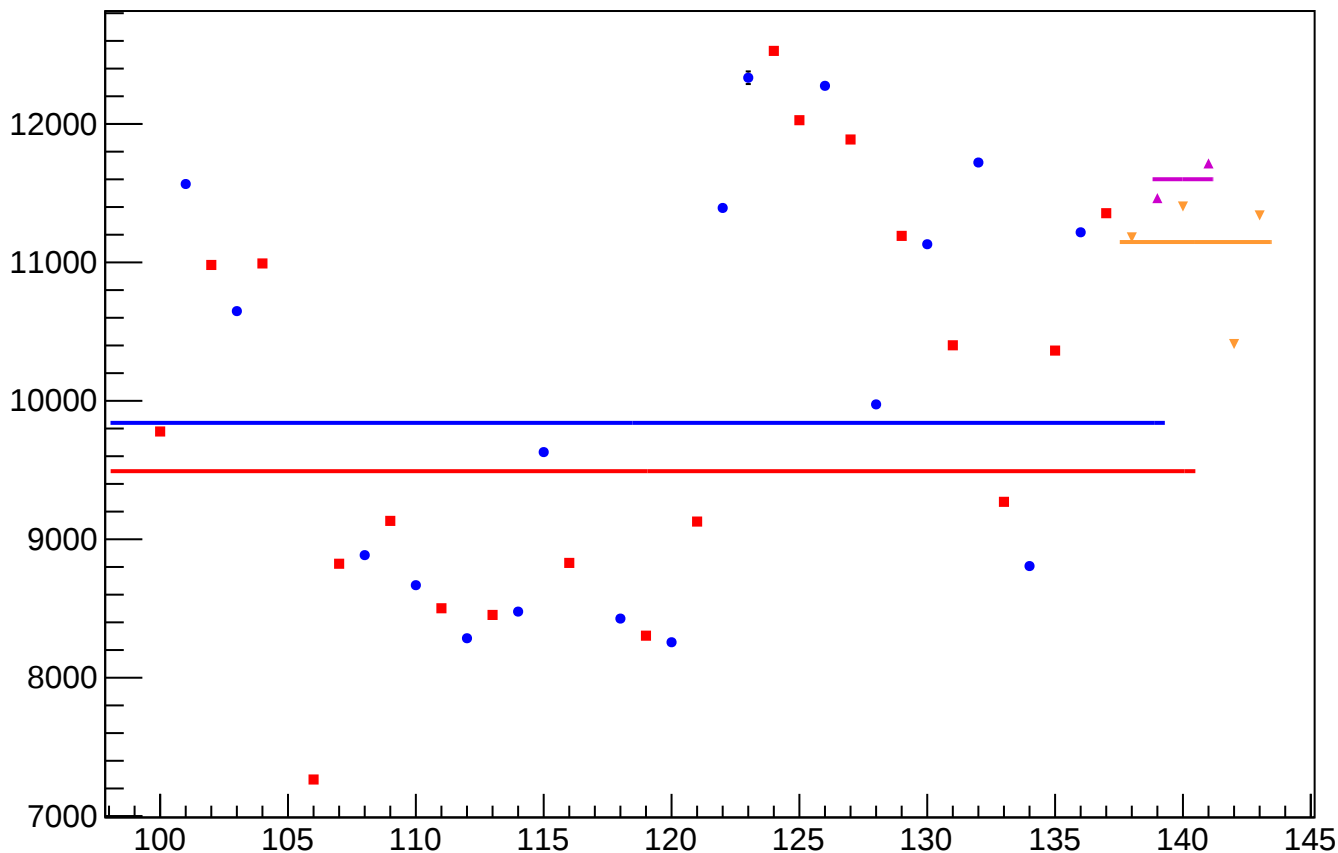
Left In: 31.705 $\pm$ 9.437 χ^2 /NDF: 0.5/1

+ sign 18.489 $\pm$ 3.343 χ^2 /NDF: 61.9/20

All: 6.763 $\pm$ 2.371 χ^2 /NDF: 132.5/41

- sign -5.099 $\pm$ 3.362 χ^2 /NDF: 45.8/20

diff_bpm0l07X_rms vs Slug



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

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

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

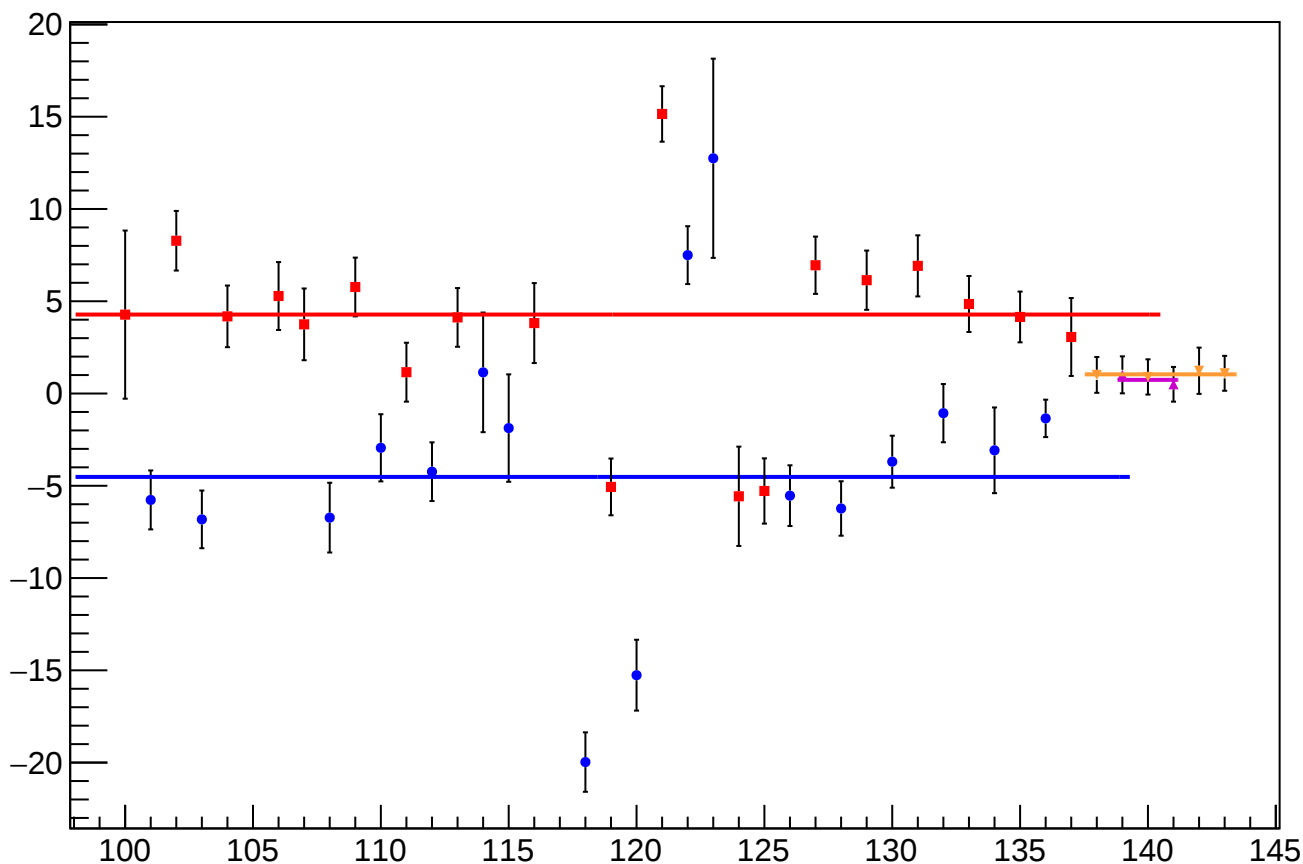
Left In: 11600.761 $\pm$ 6.673 χ^2 /NDF: 349.7/1

+ sign 10159.480 $\pm$ 2.364 χ^2 /NDF: 320949.6/20

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

- sign 9759.660 $\pm$ 2.377 χ^2 /NDF: 362118.3/20

diff_bpm0l07Y_mean vs Slug



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

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

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

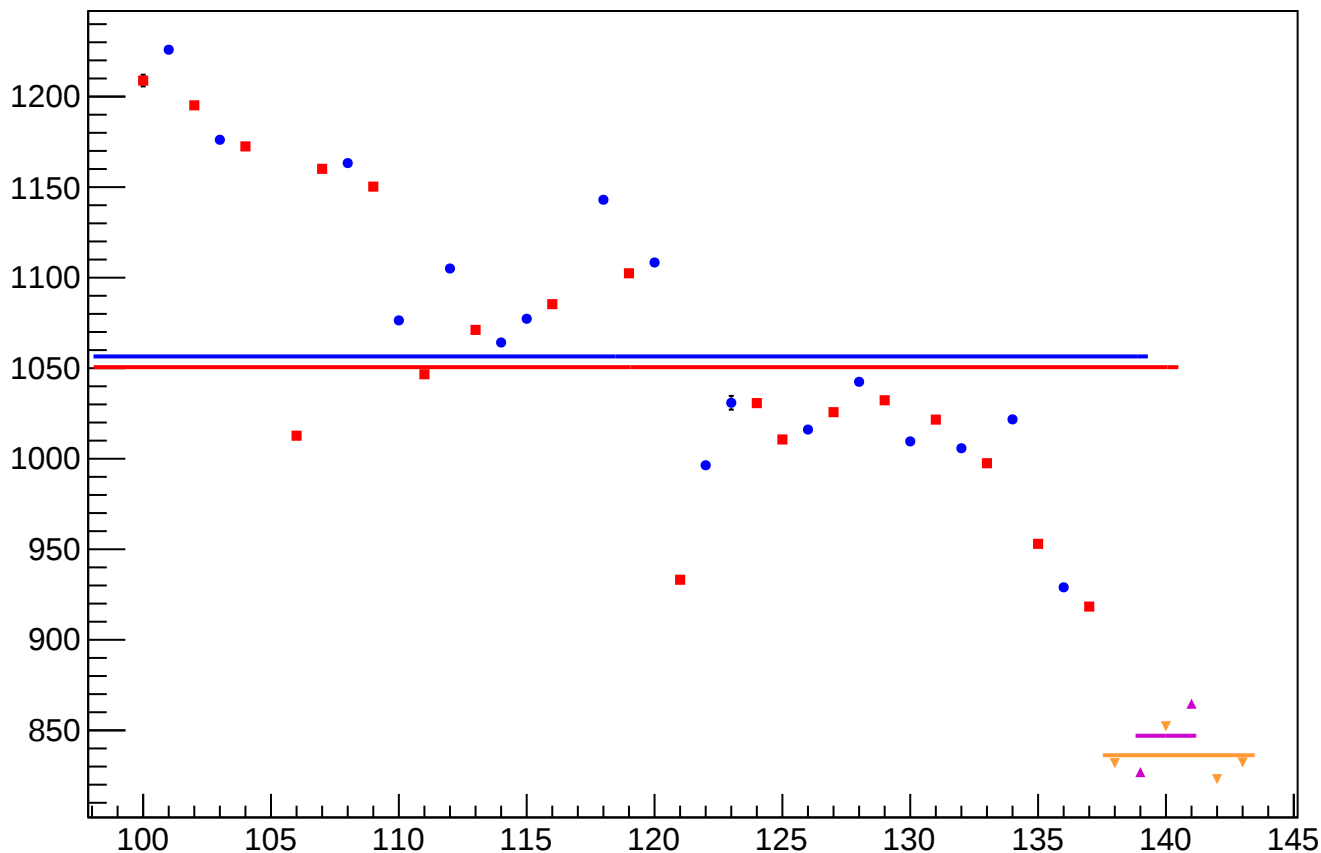
Left In: 0.739 ± 0.686 χ^2/NDF : 0.1/1

+ sign -2.322 ± 0.318 χ^2/NDF : 291.3/20

All: 0.330 ± 0.233 χ^2/NDF : 611.9/41

- sign 3.399 ± 0.342 χ^2/NDF : 170.6/20

diff_bpm0l07Y_rms vs Slug



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

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

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

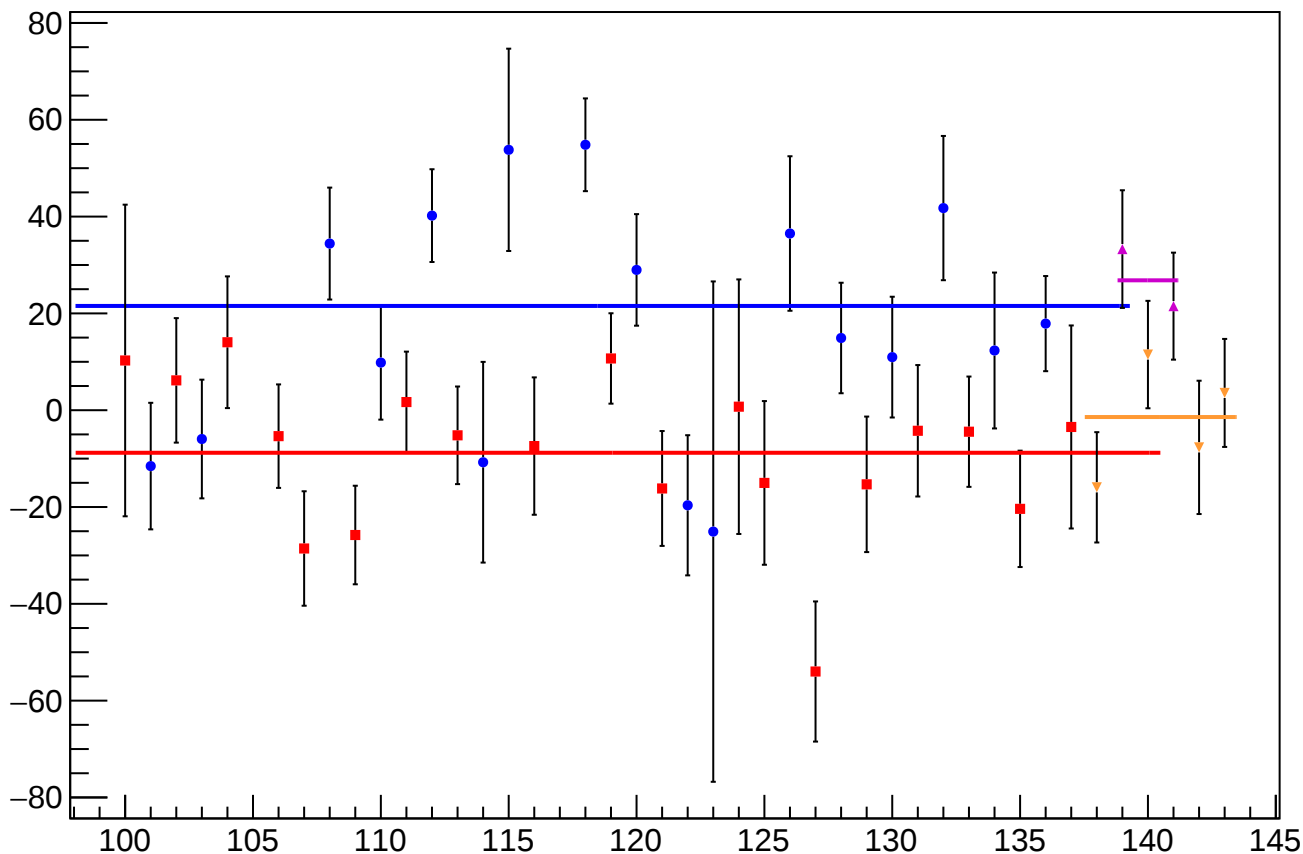
Left In: 847.029 $\pm$ 0.485 χ^2 /NDF: 1509.0/1

+ sign 969.405 $\pm$ 0.225 χ^2 /NDF: 321043.0/20

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

- sign 999.972 $\pm$ 0.242 χ^2 /NDF: 216141.2/20

diff_bpm0l08X_mean vs Slug



Right In: 21.541 $\pm$ 3.116 χ^2 /NDF: 47.9/16

Left Out: -1.411 $\pm$ 5.859 χ^2 /NDF: 3.4/3

Right Out: -8.792 $\pm$ 2.915 χ^2 /NDF: 27.6/18

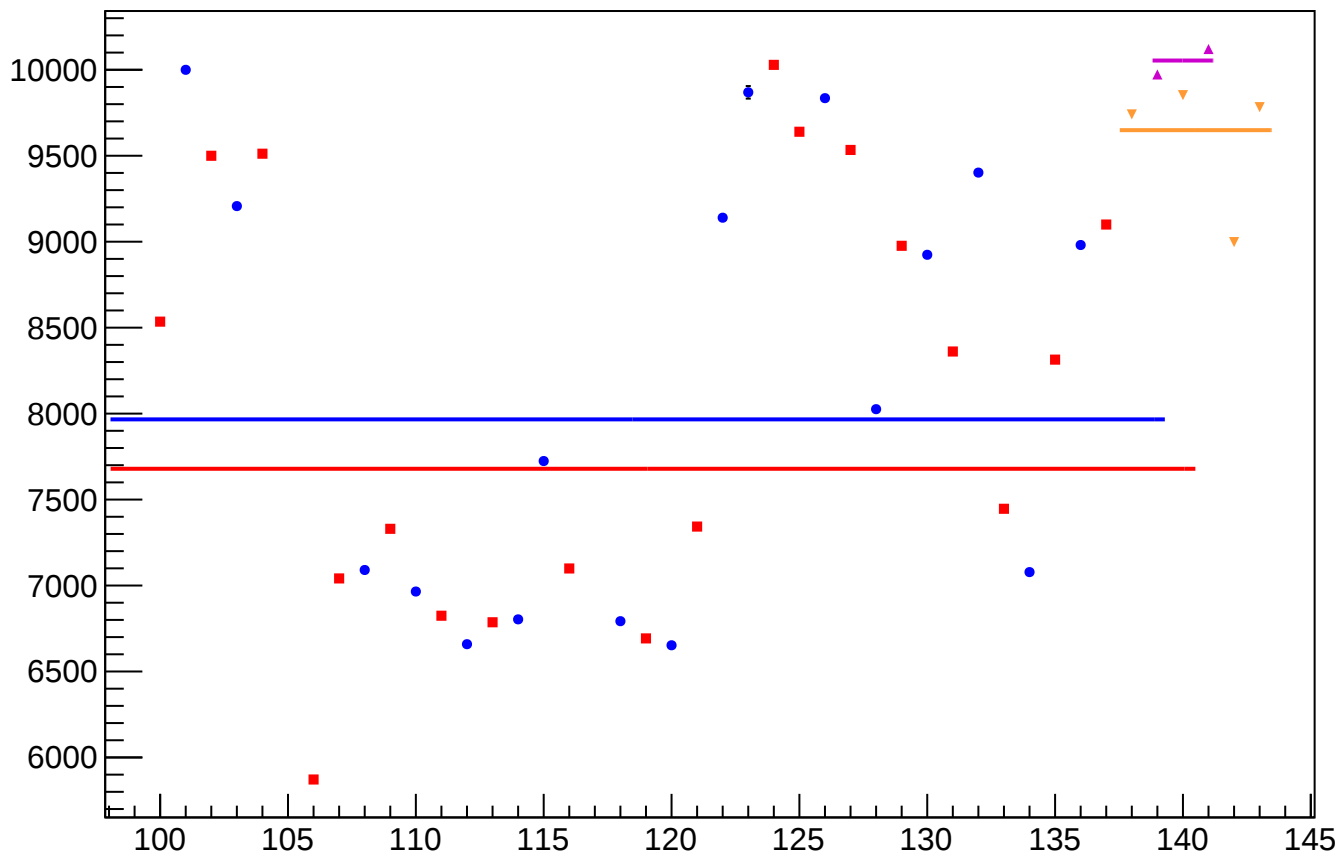
Left In: 26.834 $\pm$ 8.177 χ^2 /NDF: 0.5/1

+ sign 16.481 $\pm$ 2.751 χ^2 /NDF: 63.2/20

All: 5.832 $\pm$ 1.943 χ^2 /NDF: 138.1/41

- sign -4.776 $\pm$ 2.746 χ^2 /NDF: 44.9/20

diff_bpm0l08X_rms vs Slug



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

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

+ sign 8337.348 ± 1.945 χ^2/NDF : 429766.1/20

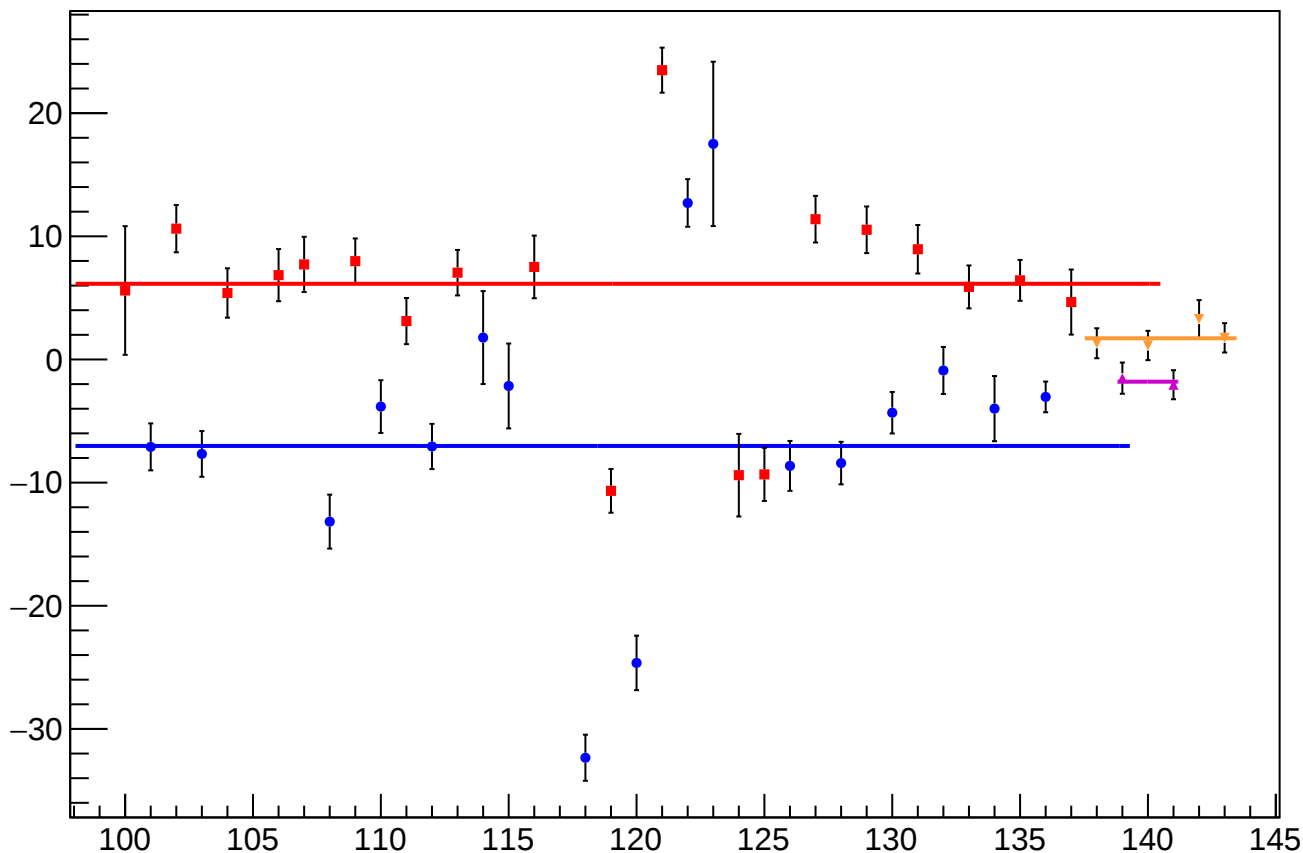
Right Out: 7679.131 ± 2.061 χ^2/NDF : 313051.7/18

All: 8141.713 ± 1.374 χ^2/NDF : 912815.4/41

- sign 7946.844 ± 1.941 χ^2/NDF : 462860.9/20

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

diff_bpm0l08Y_mean vs Slug



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

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

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

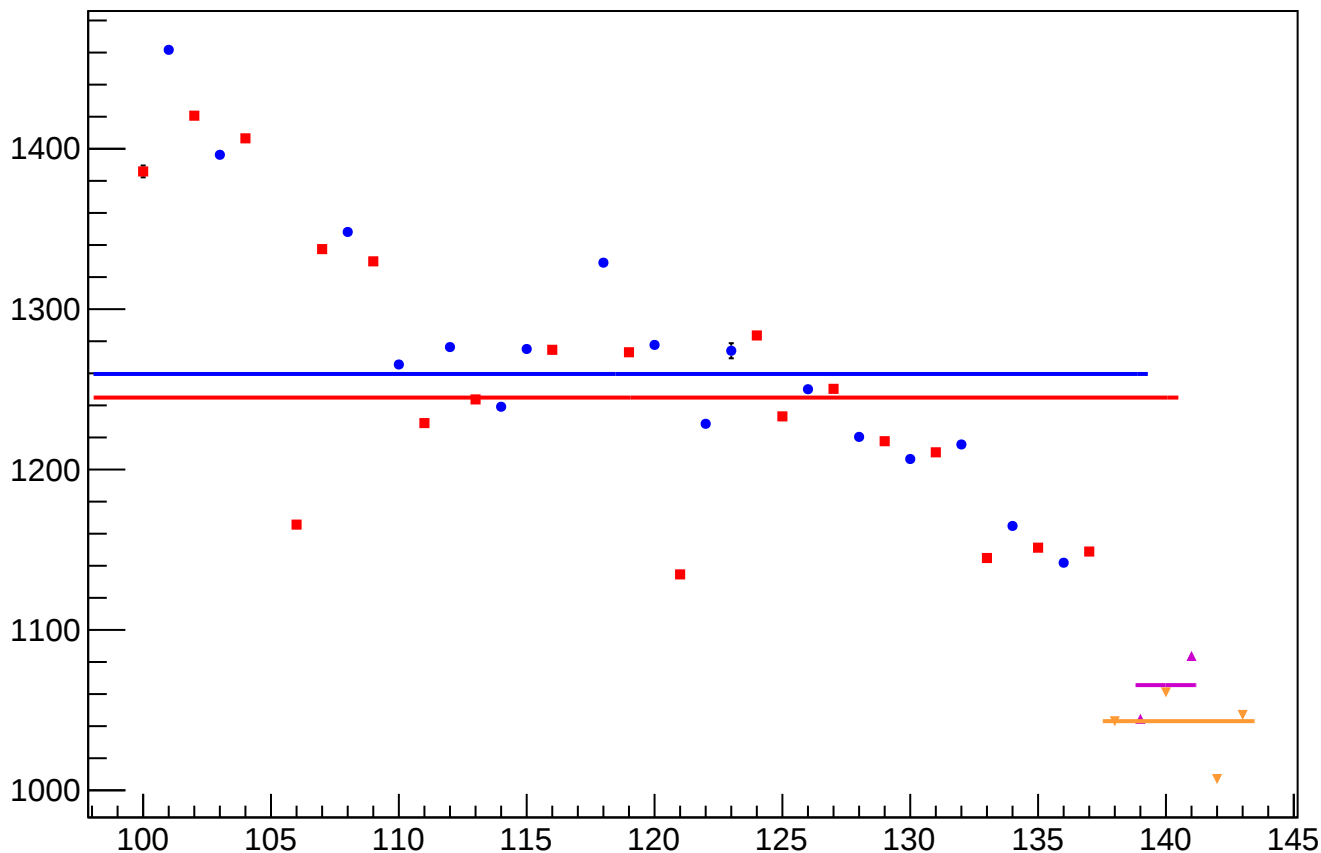
Left In: -1.804 ± 0.863 χ^2/NDF : 0.1/1

+ sign -3.758 ± 0.386 χ^2/NDF : 529.0/20

All: 0.034 ± 0.281 χ^2/NDF : 1079.7/41

- sign 4.345 ± 0.411 χ^2/NDF : 344.0/20

diff_bpm0l08Y_rms vs Slug



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

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

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

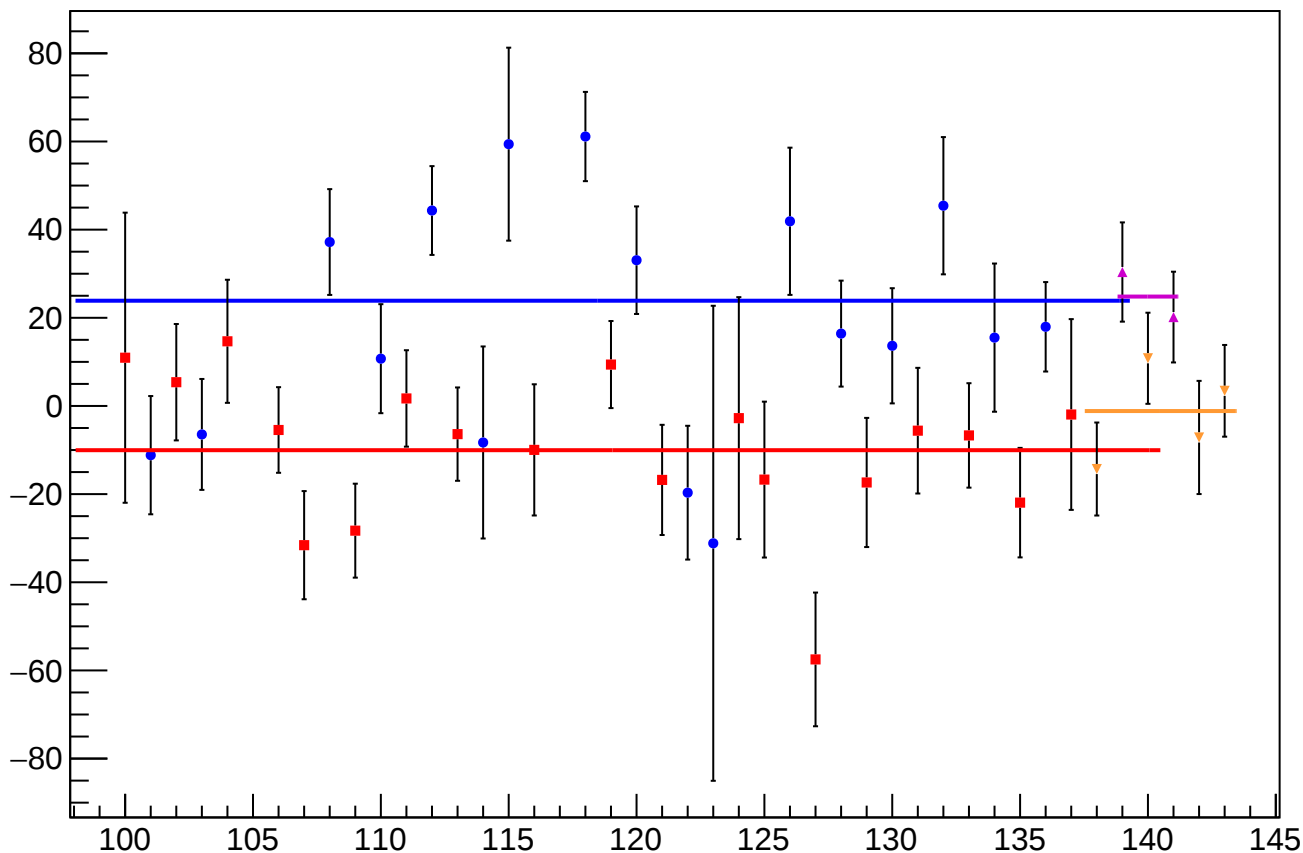
Left In: 1065.591 $\pm$ 0.611 χ^2 /NDF:1024.6/1

+ sign 1178.780 $\pm$ 0.273 χ^2 /NDF: 213903.9/20

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

- sign 1204.242 $\pm$ 0.291 χ^2 /NDF: 134523.3/20

diff_bpm0l09X_mean vs Slug



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

Left Out: -1.156 $\pm$ 5.451 χ^2 /NDF:3.3/3

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

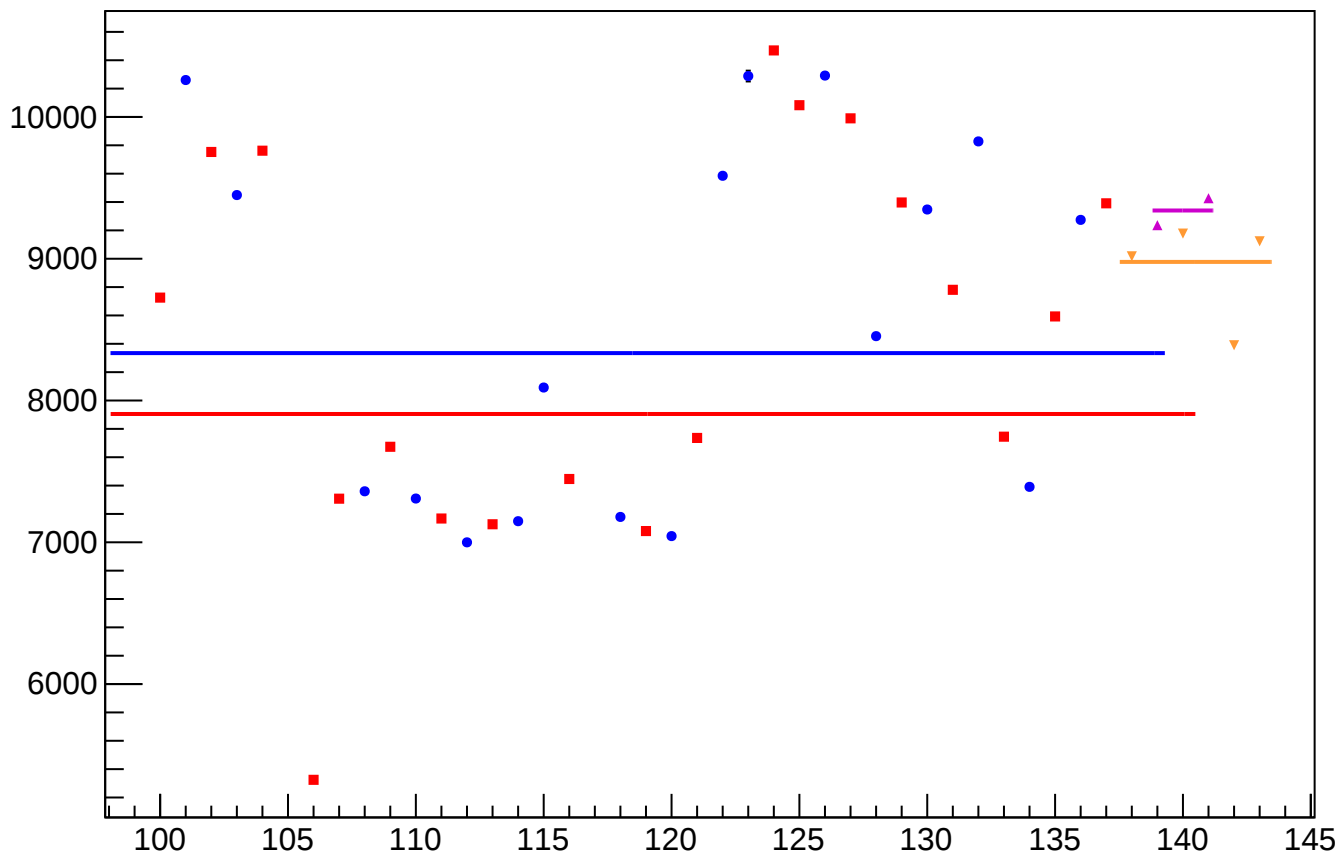
Left In: 24.818 $\pm$ 7.597 χ^2 /NDF:0.4/1

+ sign 17.293 $\pm$ 2.795 χ^2 /NDF: 70.8/20

All: 5.998 $\pm$ 1.977 χ^2 /NDF: 150.2/41

- sign -5.311 $\pm$ 2.797 χ^2 /NDF: 46.7/20

diff_bpm0l09X_rms vs Slug



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

Left Out: 8977.661+/-3.854 χ^2/NDF : 5358.2/3

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

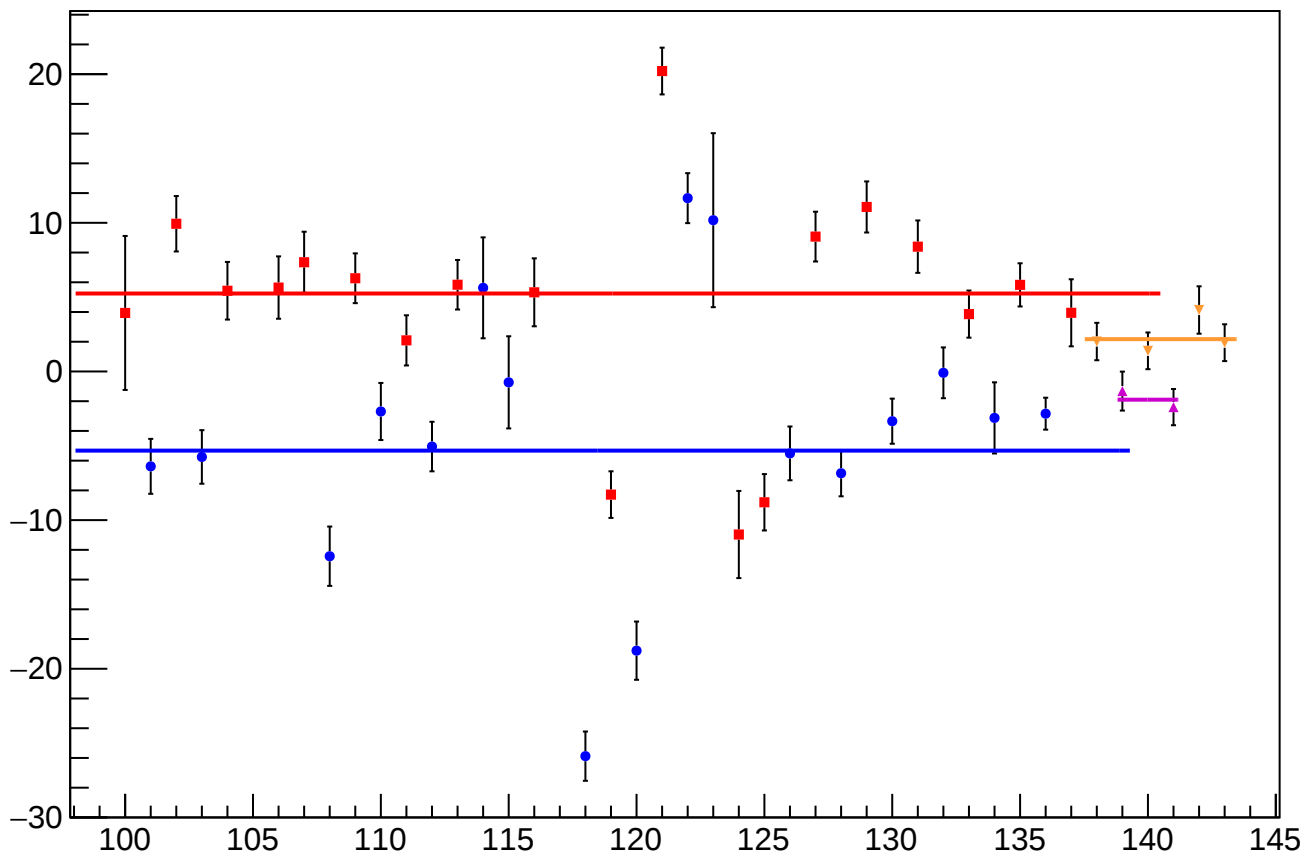
Left In: 9340.289+/-5.372 χ^2/NDF : 310.4/1

+ sign 8503.602+/-1.977 χ^2/NDF : 297248.9/20

All: 8301.716+/-1.398 χ^2/NDF : 768740.4/41

- sign 8099.572+/-1.978 χ^2/NDF : 450616.0/20

diff_bpm0l09Y_mean vs Slug



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

Left Out: 2.174 ± 0.655 χ^2/NDF : 2.0/3

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

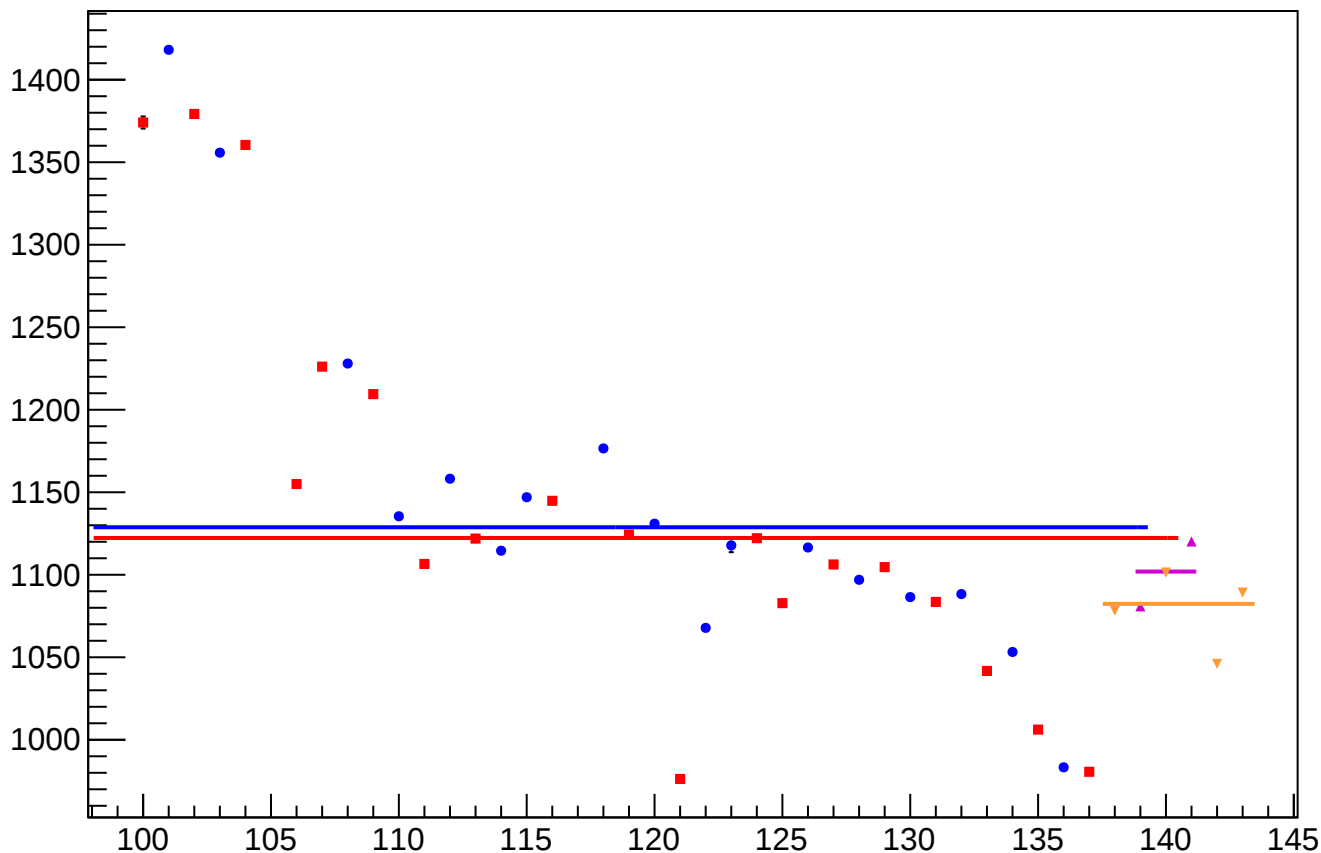
Left In: -1.898 ± 0.893 χ^2/NDF : 0.4/1

+ sign -3.009 ± 0.364 χ^2/NDF : 448.5/20

All: 0.298 ± 0.263 χ^2/NDF : 957.8/41

- sign 3.939 ± 0.382 χ^2/NDF : 335.8/20

diff_bpm0l09Y_rms vs Slug



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

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

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

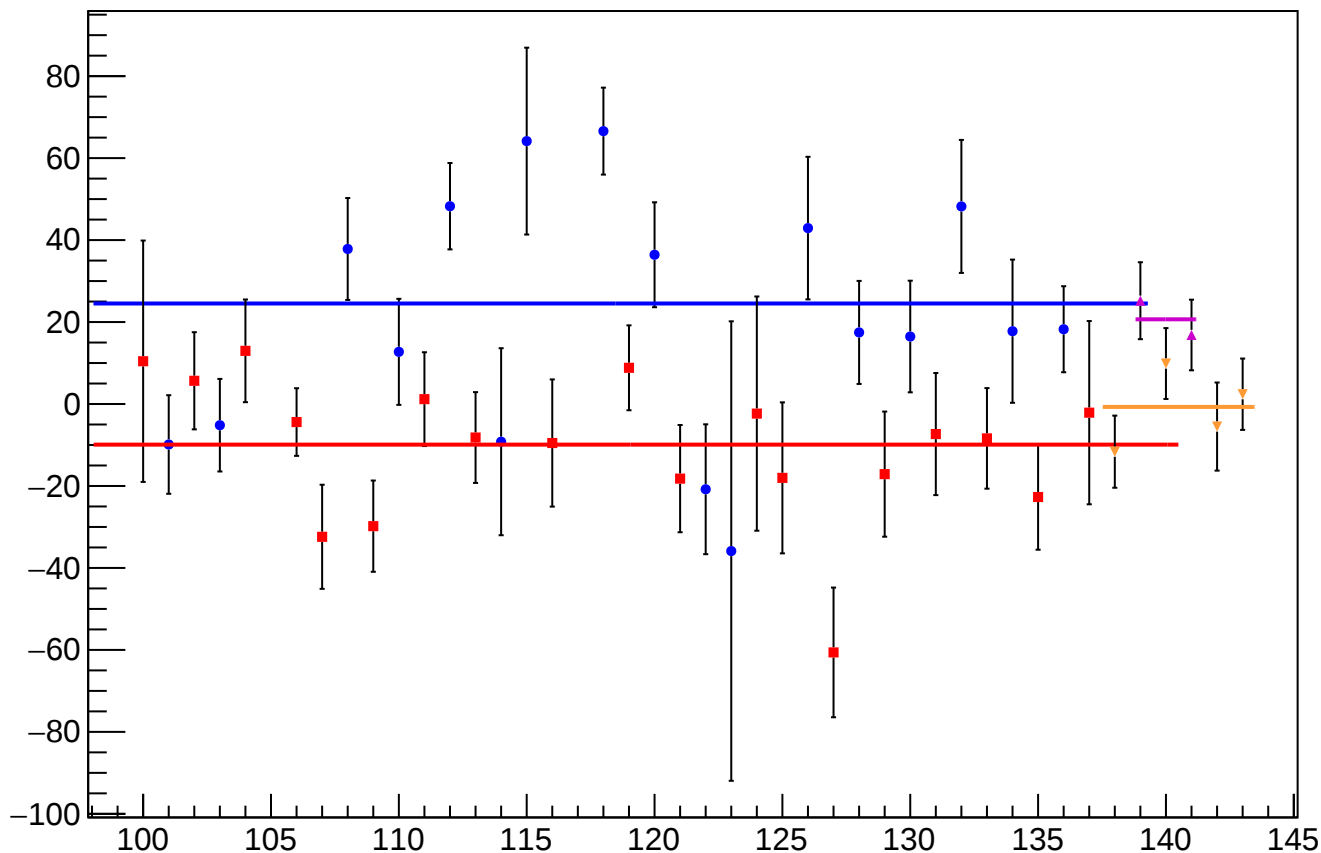
Left In: 1101.944 $\pm$ 0.631 χ^2 /NDF:965.4/1

+ sign 1114.459 $\pm$ 0.257 χ^2 /NDF: 141625.4/20

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

- sign 1118.582 $\pm$ 0.270 χ^2 /NDF: 131420.9/20

diff_bpm0l10X_mean vs Slug



Right In: 24.527 ± 3.324 χ^2/NDF : 57.7/16

Left Out: -0.711 ± 4.557 χ^2/NDF : 3.4/3

Right Out: -9.911 ± 3.010 χ^2/NDF : 28.9/18

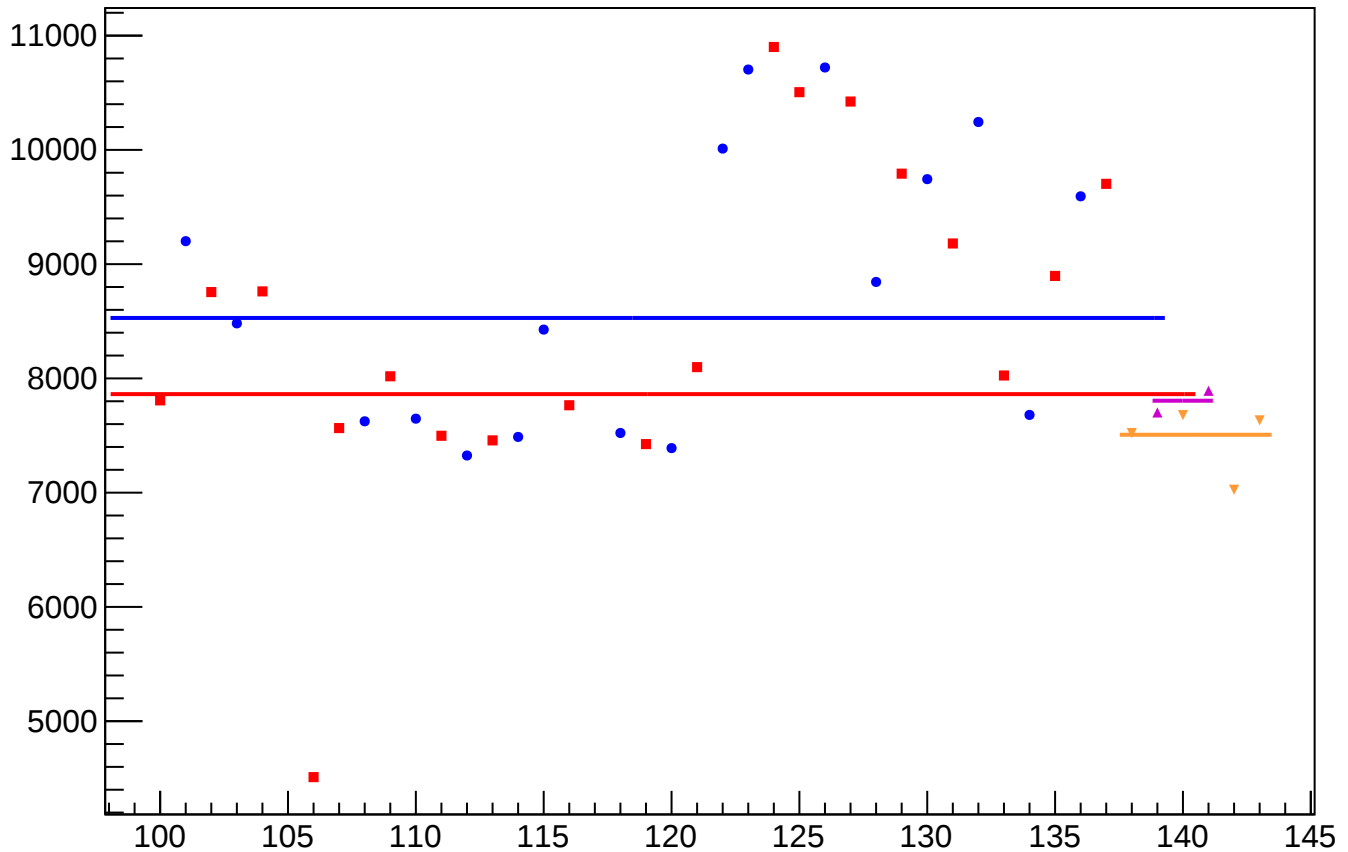
Left In: 20.667 ± 6.348 χ^2/NDF : 0.4/1

+ sign 15.764 ± 2.686 χ^2/NDF : 81.1/20

All: 5.862 ± 1.911 χ^2/NDF : 156.9/41

- sign -4.297 ± 2.720 χ^2/NDF : 48.2/20

diff_bpm0l10X_rms vs Slug



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

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

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

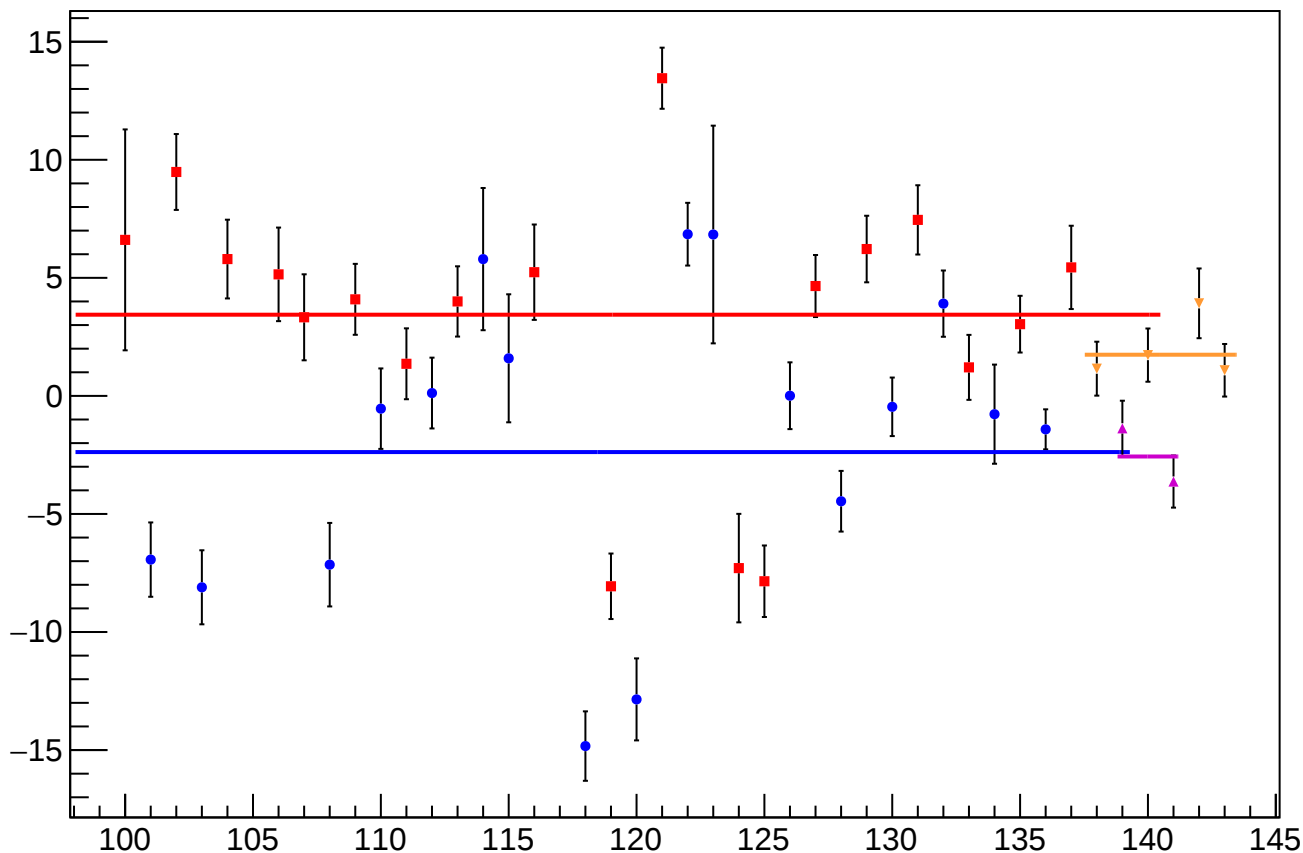
Left In: 7804.722+/-4.489 χ^2/NDF : 442.9/1

+ sign 8174.116+/-1.899 χ^2/NDF : 278327.2/20

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

- sign 7851.846+/-1.923 χ^2/NDF : 553403.3/20

diff_bpm0l10Y_mean vs Slug



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

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

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

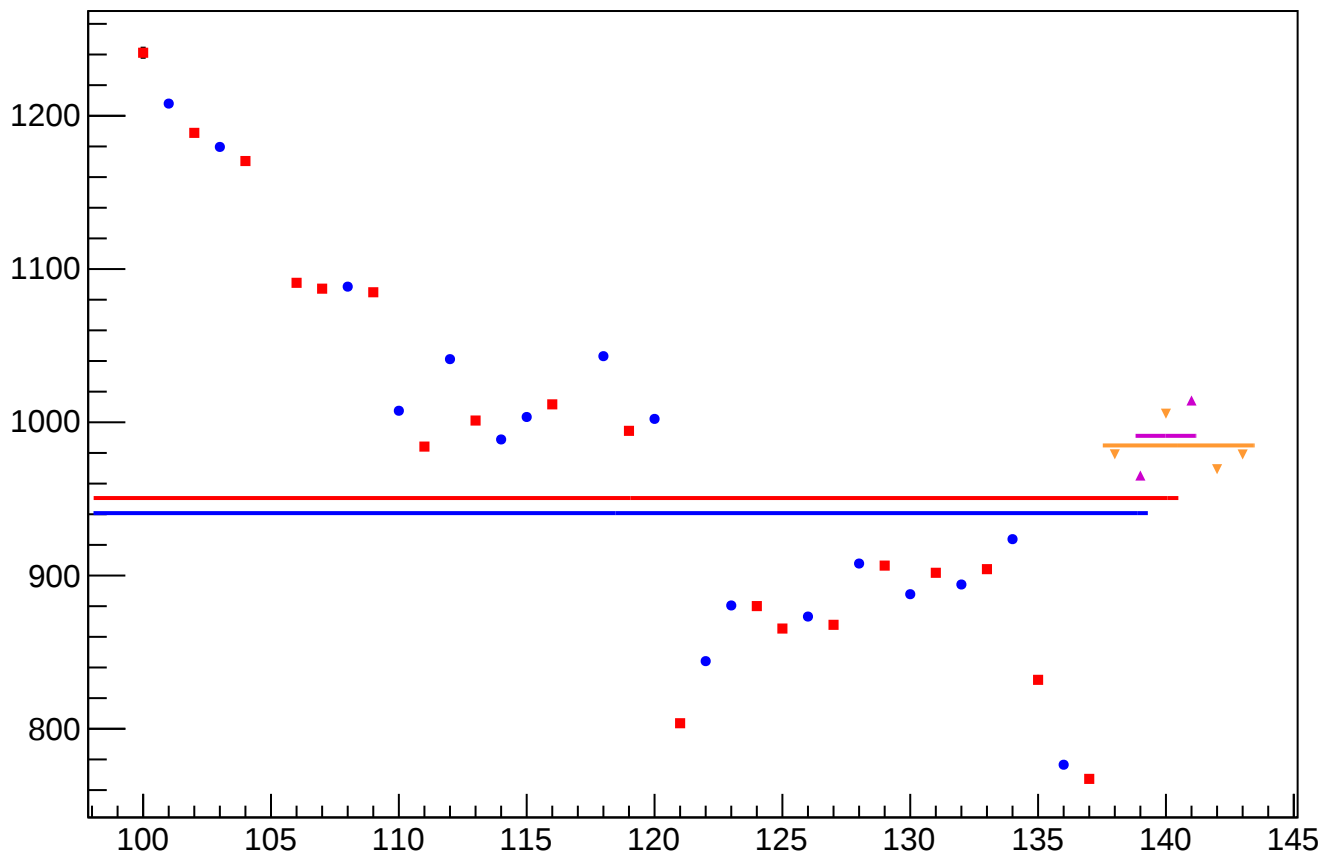
Left In: -2.566 ± 0.803 χ^2/NDF : 2.0/1

+ sign -1.248 ± 0.312 χ^2/NDF : 270.1/20

All: 0.505 ± 0.226 χ^2/NDF : 627.8/41

- sign 2.439 ± 0.328 χ^2/NDF : 291.3/20

diff_bpm0l10Y_rms vs Slug



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

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

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

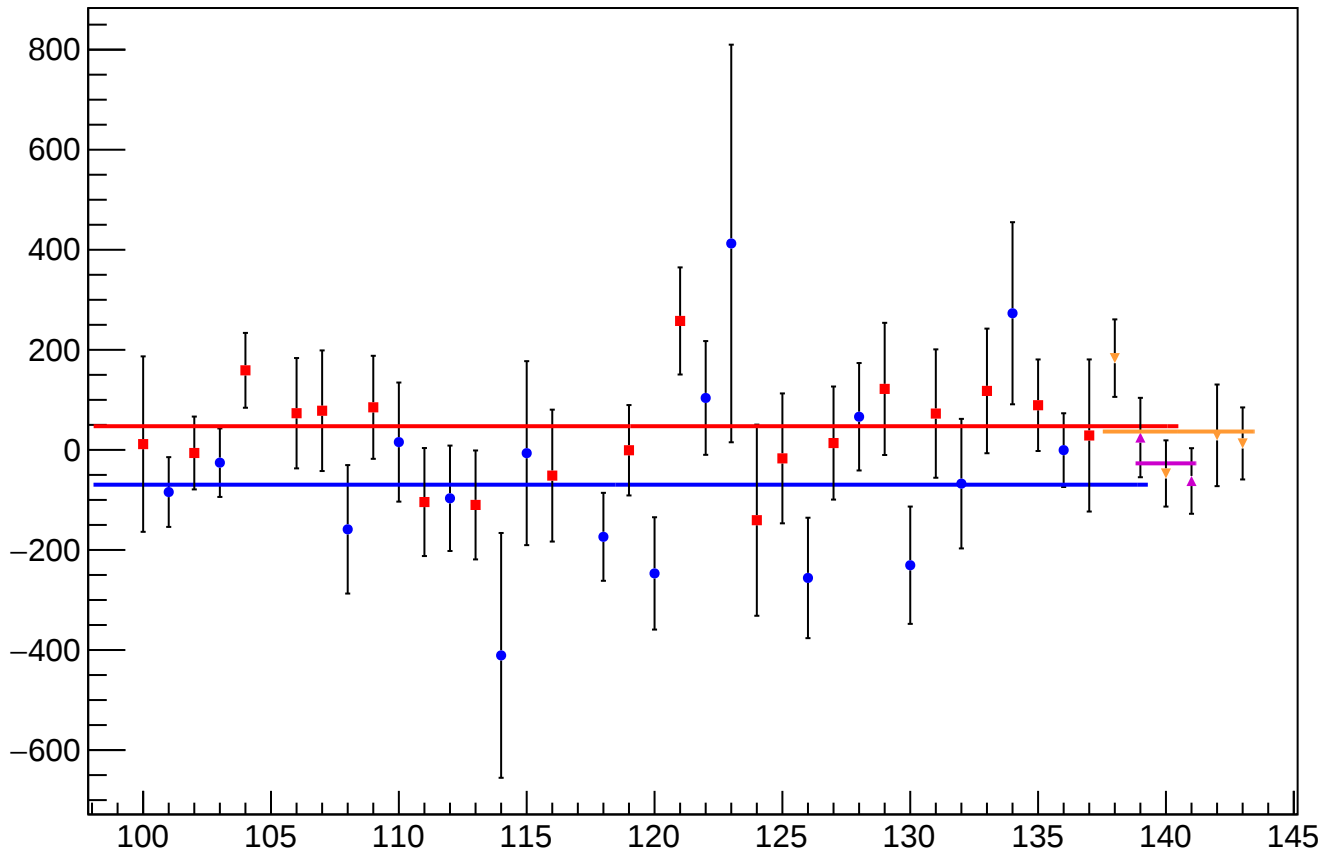
Left In: 991.168 $\pm$ 0.568 χ^2 /NDF:1854.4/1

+ sign 952.850 $\pm$ 0.221 χ^2 /NDF: 250689.6/20

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

- sign 957.335 $\pm$ 0.232 χ^2 /NDF: 226459.7/20

diff_bpm0r03X_mean vs Slug



Right In: -69.559 ± 25.981 $\chi^2/\text{NDF}: 21.6/16$

Left Out: 36.707 ± 38.219 $\chi^2/\text{NDF}: 5.3/3$

Right Out: 47.342 ± 25.054 $\chi^2/\text{NDF}: 14.0/18$

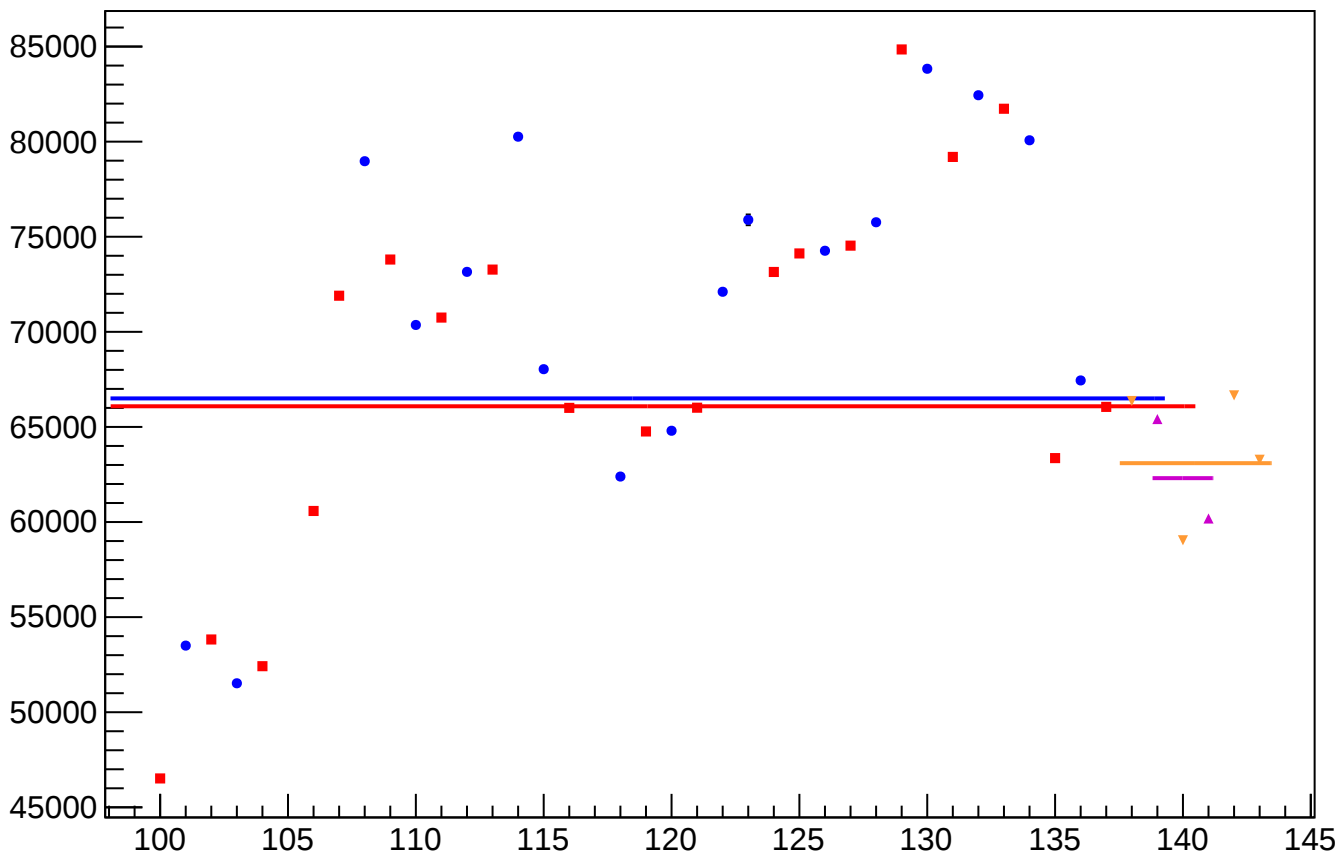
Left In: -26.912 ± 50.543 $\chi^2/\text{NDF}: 0.7/1$

+ sign -35.973 ± 21.486 $\chi^2/\text{NDF}: 32.2/20$

All: -3.140 ± 15.522 $\chi^2/\text{NDF}: 53.5/41$

- sign 32.696 ± 22.448 $\chi^2/\text{NDF}: 16.5/20$

diff_bpm0r03X_rms vs Slug



Right In: 66500.038+/-18.371 χ^2/NDF : 320048.0/16

Left Out: 63094.993+/-27.025 χ^2/NDF : 13538.3/3

Right Out: 66086.098+/-17.716 χ^2/NDF : 298277.2/18

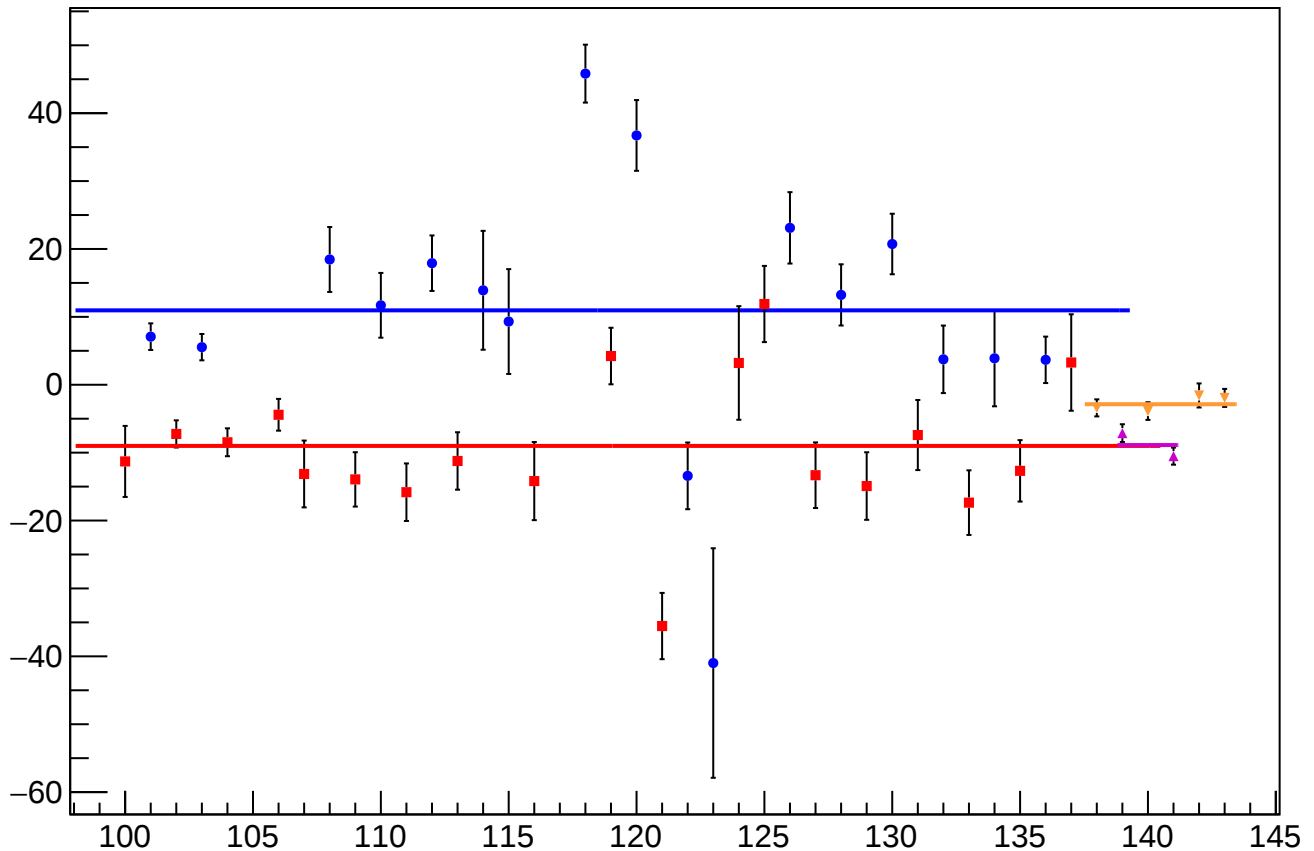
Left In: 62307.330+/-35.740 χ^2/NDF : 5160.6/1

+ sign 65423.838+/-15.193 χ^2/NDF : 344443.9/20

All: 65384.113+/-10.976 χ^2/NDF : 656870.0/40

- sign 65340.754+/-15.873 χ^2/NDF : 312411.8/20

diff_bpm0r03Y_mean vs Slug



Right In: 10.959 ± 0.944 χ^2/NDF : 160.6/16

Left Out: -2.865 ± 0.688 χ^2/NDF : 1.8/3

Right Out: -9.006 ± 0.867 χ^2/NDF : 75.5/18

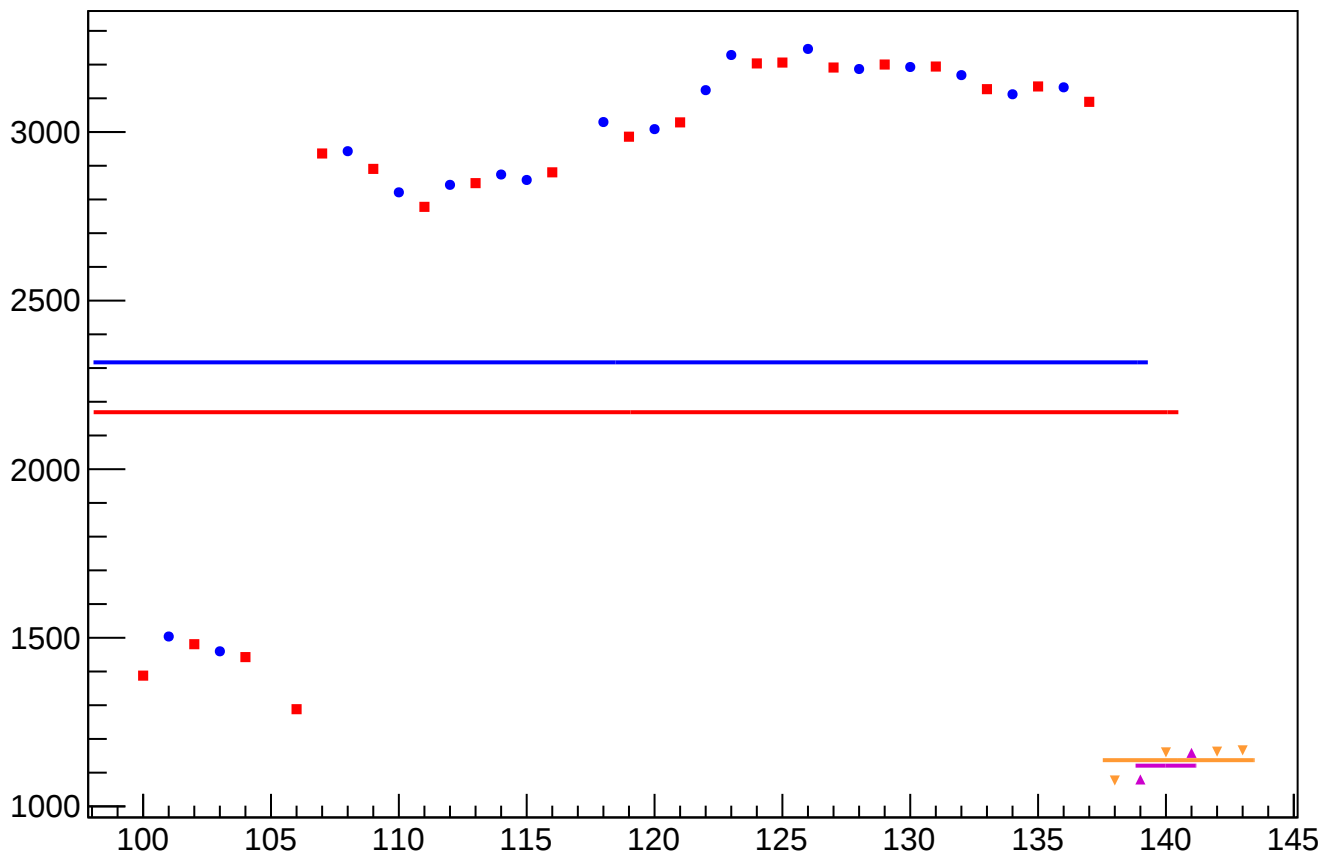
Left In: -8.881 ± 0.908 χ^2/NDF : 3.5/1

+ sign 1.930 ± 0.556 χ^2/NDF : 302.4/20

All: -2.857 ± 0.416 χ^2/NDF : 549.7/41

- sign -8.946 ± 0.627 χ^2/NDF : 79.0/20

diff_bpm0r03Y_rms vs Slug



Right In: 2316.901+/-0.668 χ^2/NDF : 1405097.4/16

Left Out: 1137.035+/-0.487 χ^2/NDF : 6606.2/3

Right Out: 2169.038+/-0.613 χ^2/NDF : 1749119.2/18

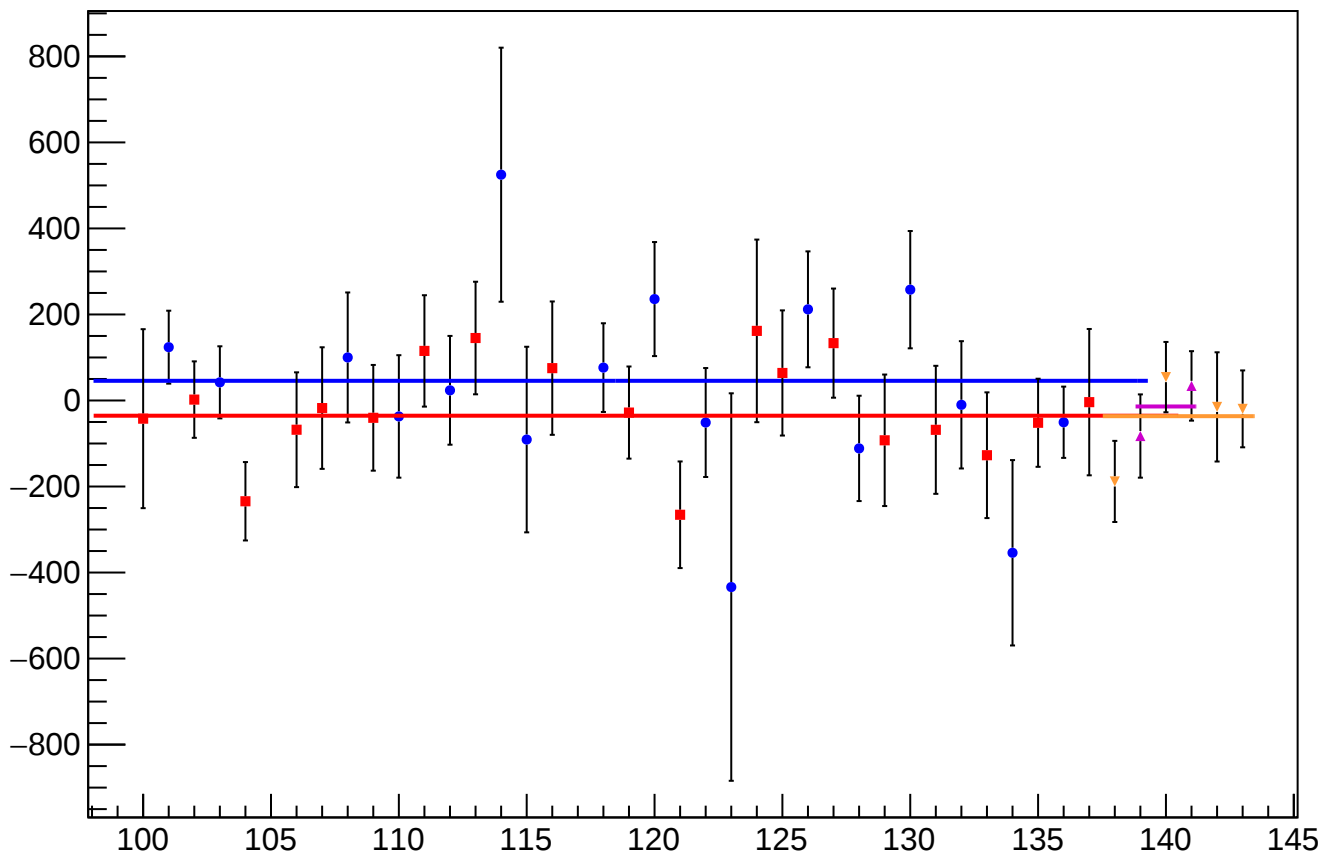
Left In: 1120.761+/-0.642 χ^2/NDF : 3766.1/1

+ sign 1546.334+/-0.393 χ^2/NDF : 3451306.3/20

All: 1600.448+/-0.294 χ^2/NDF : 6640718.3/41

- sign 1669.289+/-0.444 χ^2/NDF : 3146383.8/20

diff_bpm0r05X_mean vs Slug



Right In: 45.747+/-30.474 χ^2/NDF : 18.8/16

Left Out: -36.478+/-47.177 χ^2/NDF : 3.9/3

Right Out: -35.391+/-29.480 χ^2/NDF : 16.0/18

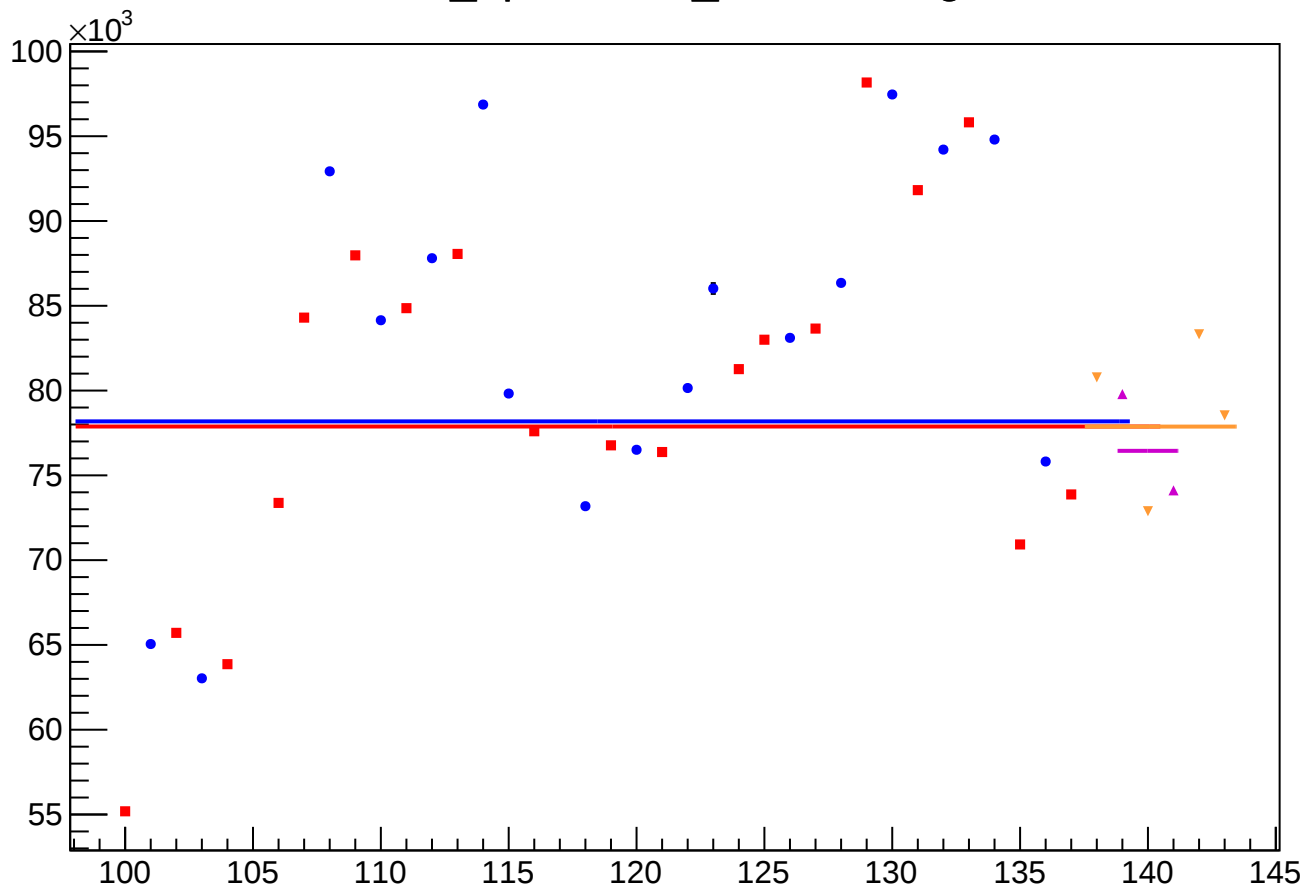
Left In: -13.921+/-62.016 χ^2/NDF : 0.9/1

+ sign 21.540+/-25.598 χ^2/NDF : 24.8/20

All: -3.905+/-18.453 χ^2/NDF : 43.8/41

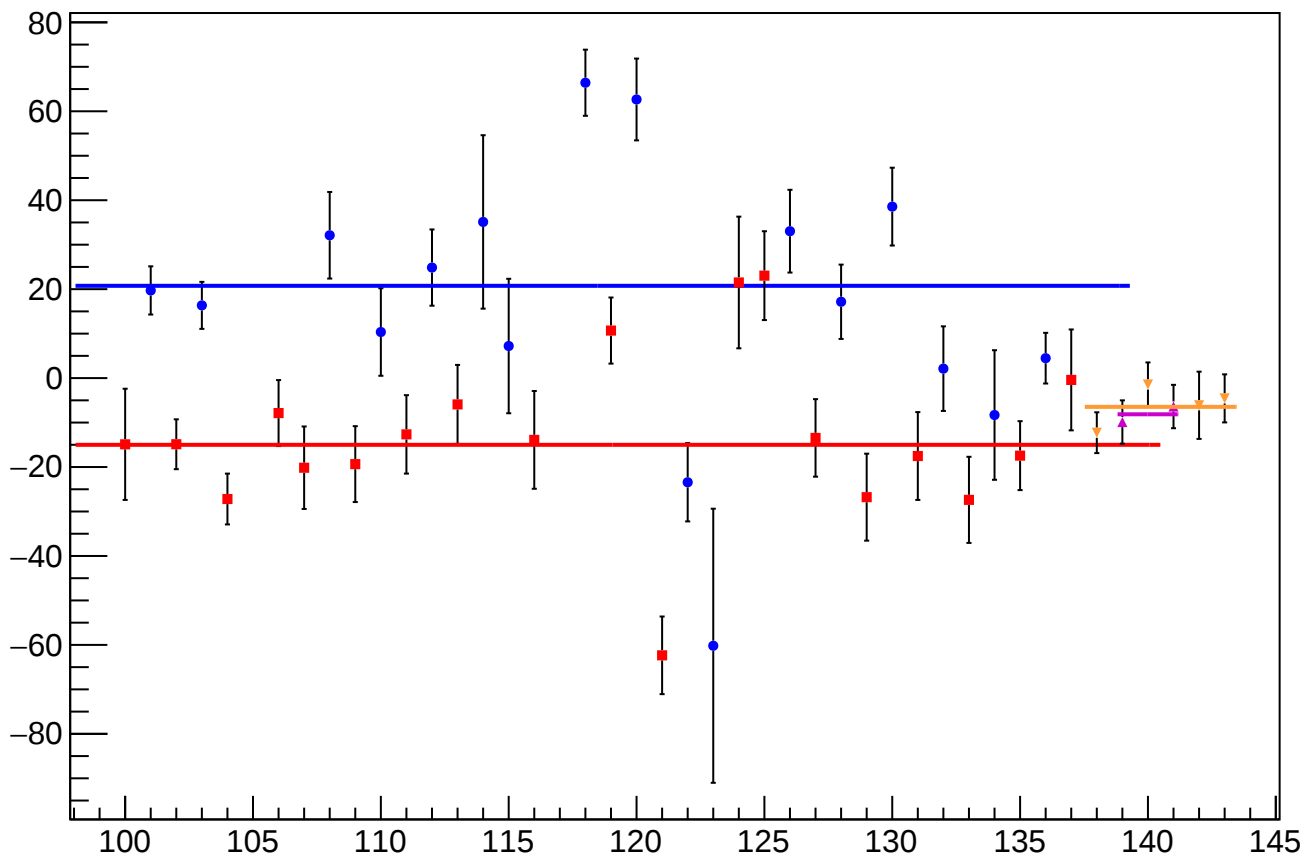
- sign -31.434+/-26.625 χ^2/NDF : 16.9/20

diff_bpm0r05X_rms vs Slug



Right In: 78183.588 ± 21.548 $\chi^2/\text{NDF}: 250278.3/16$ $+ \text{sign } 78092.973 \pm 18.100$ $\chi^2/\text{NDF}: 263473.0/20$
 Left Out: 77875.795 ± 33.359 $\chi^2/\text{NDF}: 13134.6/3$ All: 77863.948 ± 13.048 $\chi^2/\text{NDF}: 516004.5/4$
 Right Out: 77880.644 ± 20.846 $\chi^2/\text{NDF}: 247268.7/18$ $- \text{sign } 77616.170 \pm 18.827$ $\chi^2/\text{NDF}: 252198.2/20$
 Left In: 76445.801 ± 43.852 $\chi^2/\text{NDF}: 4056.2/1$

diff_bpm0r05Y_mean vs Slug



Right In: 20.754 $\pm$ 2.039 χ^2 /NDF: 117.4/16

Left Out: -6.468 $\pm$ 2.673 χ^2 /NDF: 2.8/3

Right Out: -15.004 $\pm$ 1.958 χ^2 /NDF: 74.0/18

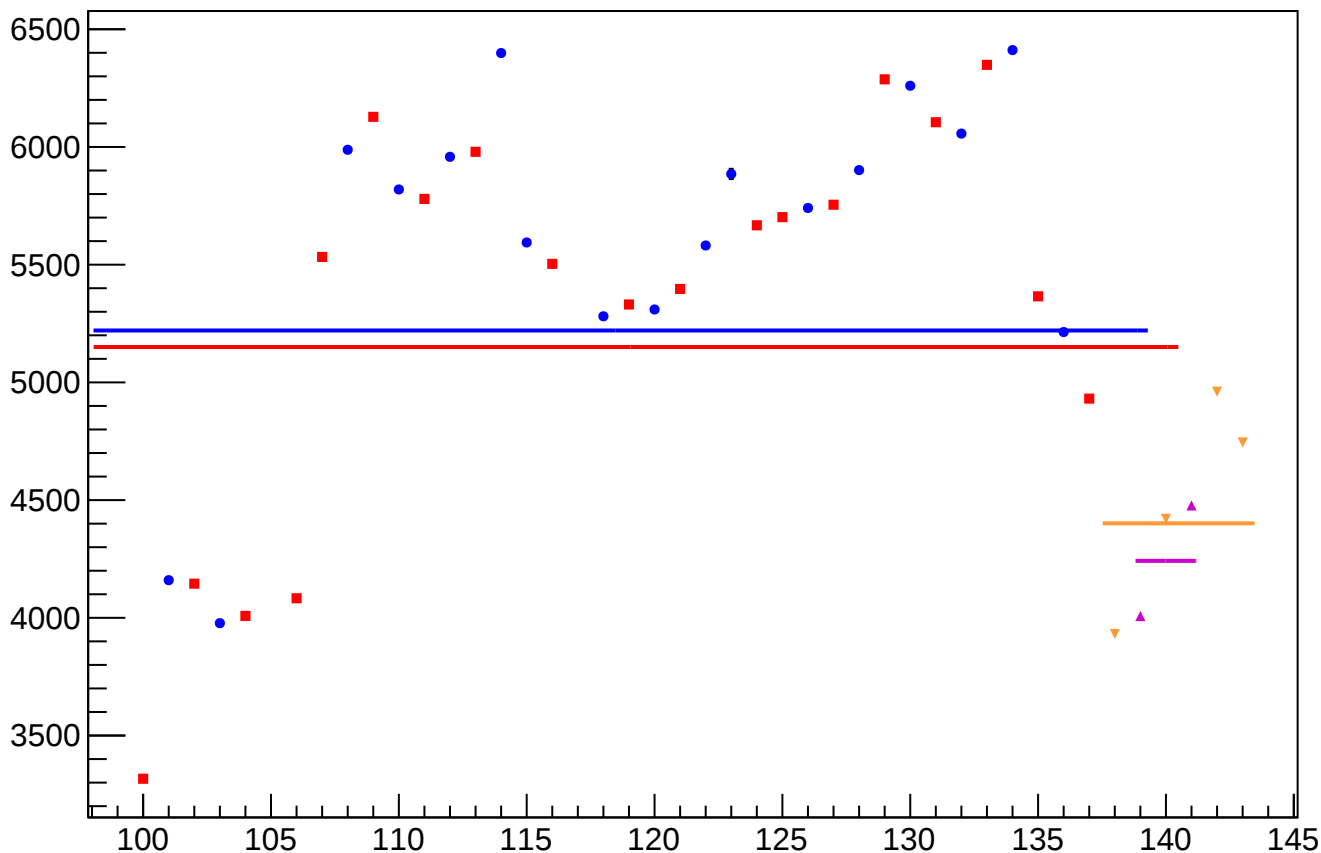
Left In: -8.141 $\pm$ 3.447 χ^2 /NDF: 0.3/1

+ sign 10.744 $\pm$ 1.621 χ^2 /NDF: 185.7/20

All: -0.705 $\pm$ 1.174 χ^2 /NDF: 367.9/41

- sign -13.330 $\pm$ 1.702 χ^2 /NDF: 77.3/20

diff_bpm0r05Y_rms vs Slug



Right In: 5220.495+/-1.441 χ^2 /NDF: 311533.7/16

Left Out: 4401.401+/-1.890 χ^2 /NDF: 40061.4/3

Right Out: 5150.309+/-1.384 χ^2 /NDF: 387575.3/18

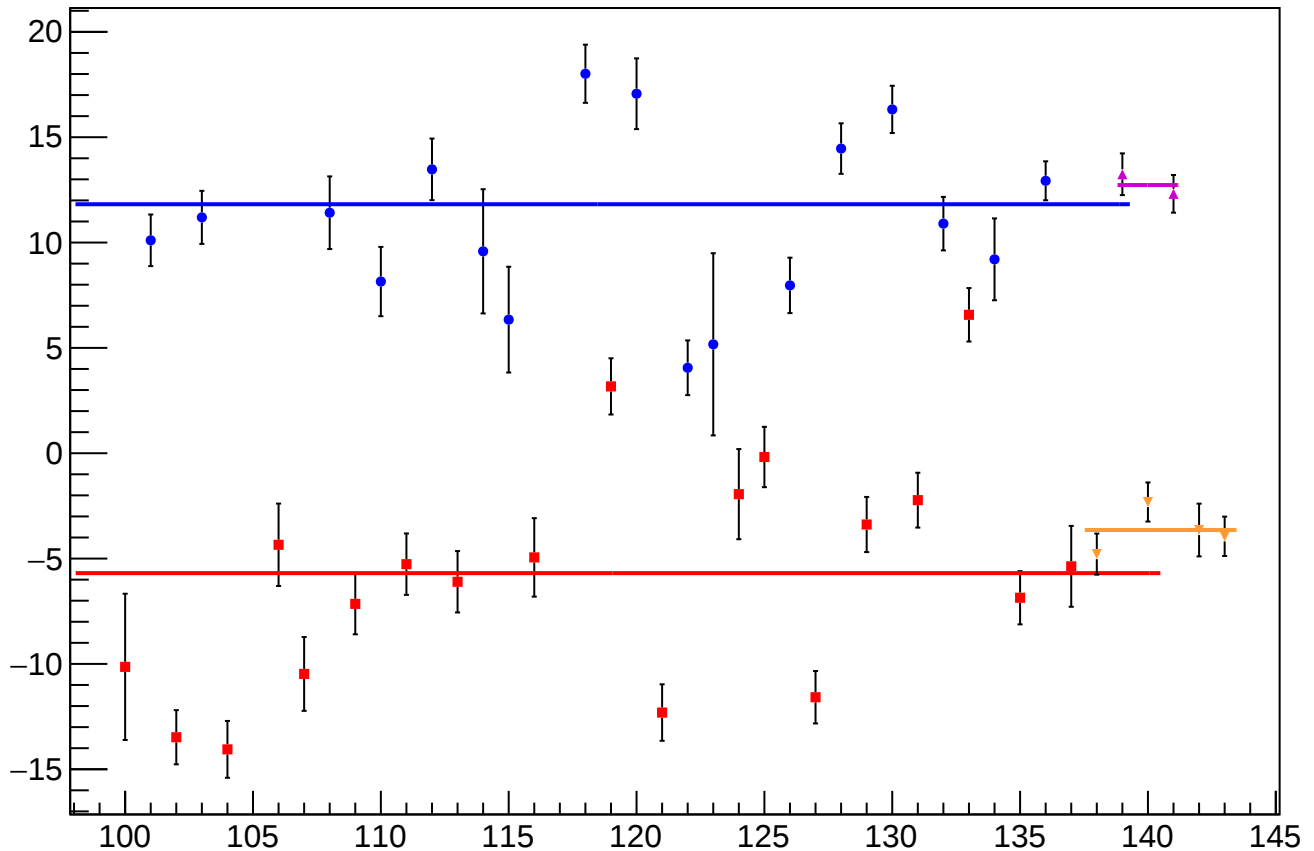
Left In: 4242.020+/-2.437 χ^2 /NDF: 9291.6/1

+ sign 4919.295+/-1.146 χ^2 /NDF: 470328.1/20

All: 4923.820+/-0.830 χ^2 /NDF: 972231.0/41

- sign 4928.811+/-1.204 χ^2 /NDF: 501870.1/20

diff_bpm2i01X_mean vs Slug



Right In: 11.819+/-0.345 χ^2 /NDF: 115.1/16

Left Out: -3.645+/-0.500 χ^2 /NDF: 3.5/3

Right Out: -5.691+/-0.339 χ^2 /NDF: 299.2/18

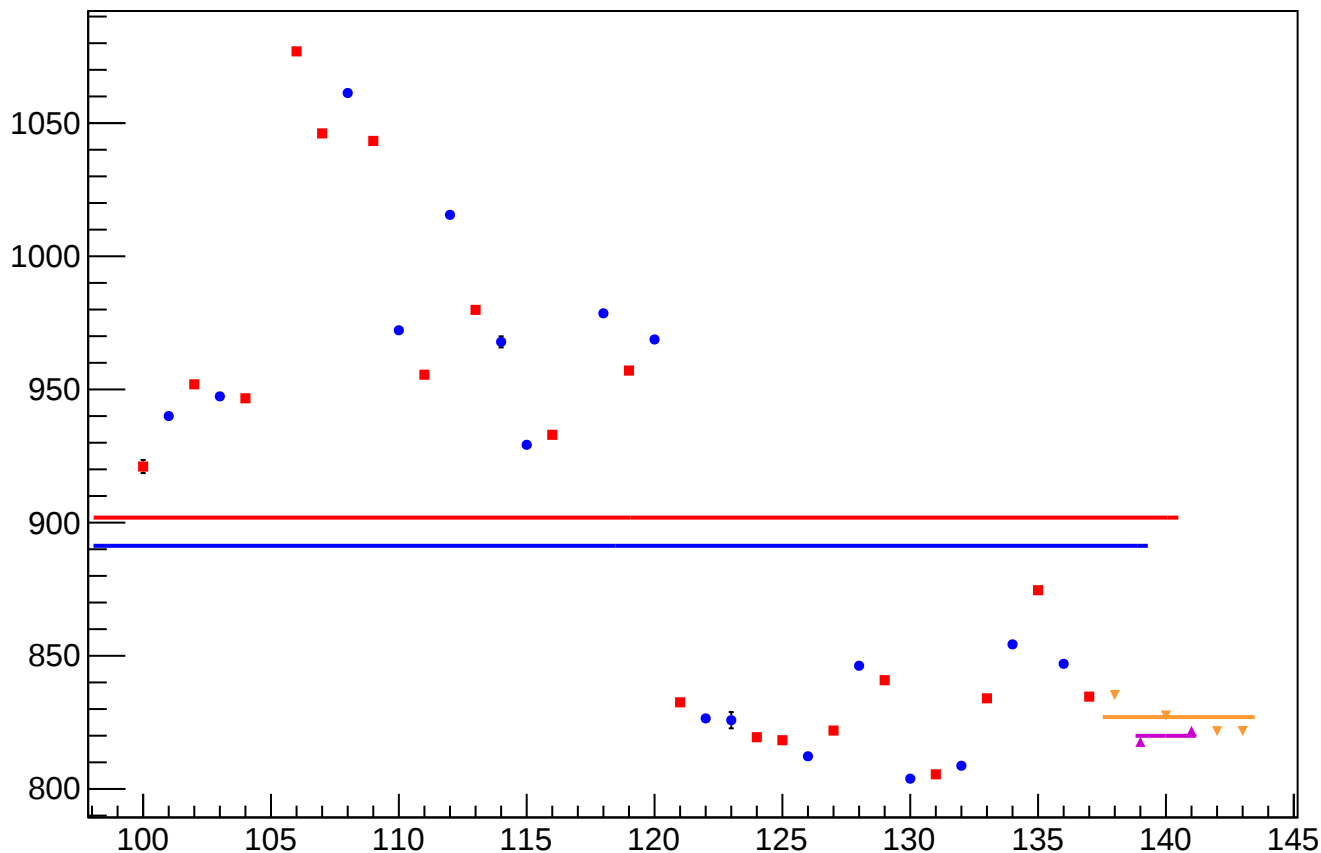
Left In: 12.730+/-0.664 χ^2 /NDF: 0.5/1

+ sign 6.829+/-0.284 χ^2 /NDF: 766.2/20

All: 2.742+/-0.207 χ^2 /NDF: 2117.6/41

- sign -1.878+/-0.302 χ^2 /NDF: 910.3/20

diff_bpm2i01X_rms vs Slug



Right In: 891.299 $\pm$ 0.244 χ^2 /NDF: 101327.8/16

Left Out: 826.994 $\pm$ 0.354 χ^2 /NDF:243.2/3

Right Out: 901.879 $\pm$ 0.240 χ^2 /NDF: 114242.3/18

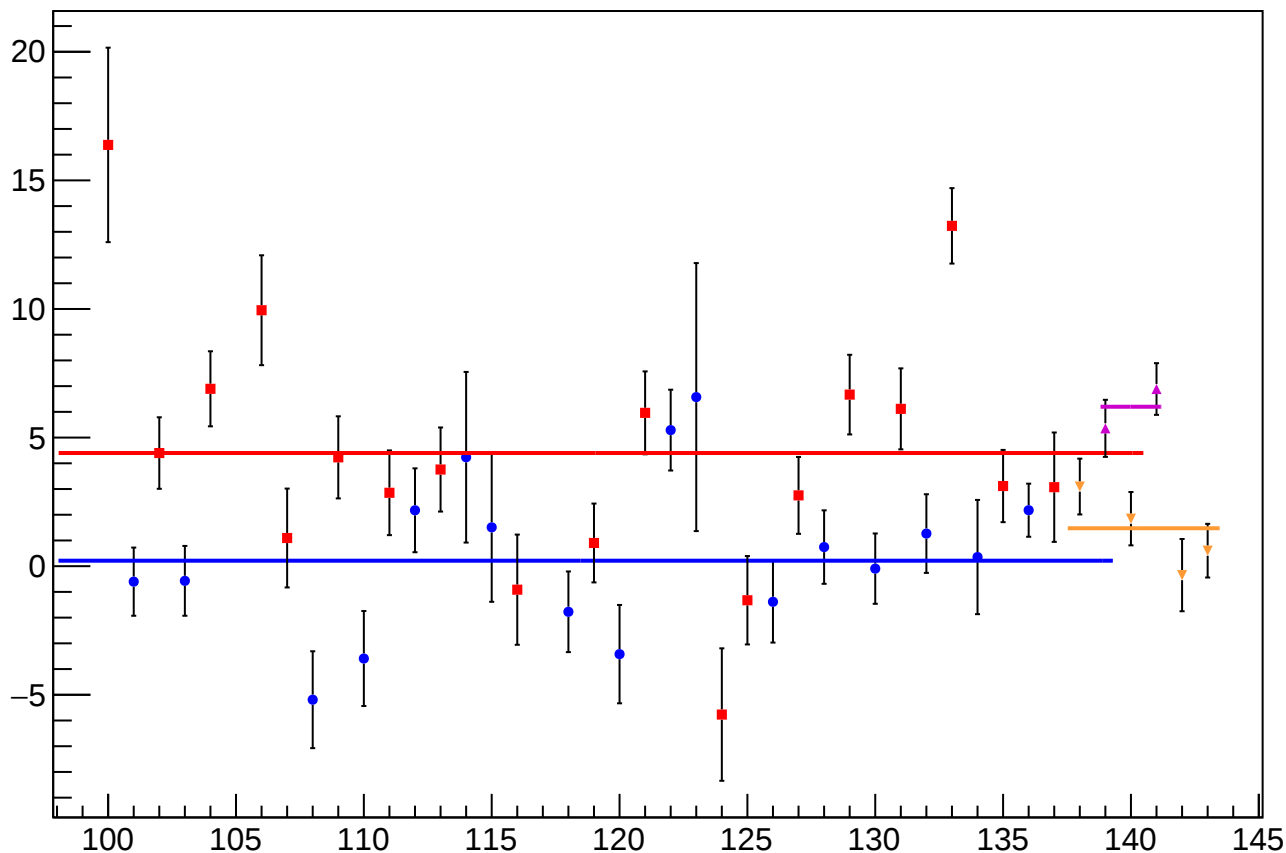
Left In: 819.956 $\pm$ 0.469 χ^2 /NDF:19.2/1

+ sign 870.551 $\pm$ 0.201 χ^2 /NDF: 123969.3/20

All: 877.297 $\pm$ 0.146 χ^2 /NDF: 264789.1/41

- sign 884.922 $\pm$ 0.214 χ^2 /NDF: 138416.9/20

diff_bpm2i01Y_mean vs Slug



Right In: 0.213+/-0.396 χ^2/NDF : 38.8/16

Left Out: 1.474+/-0.559 χ^2/NDF : 4.7/3

Right Out: 4.400+/-0.387 χ^2/NDF : 104.8/18

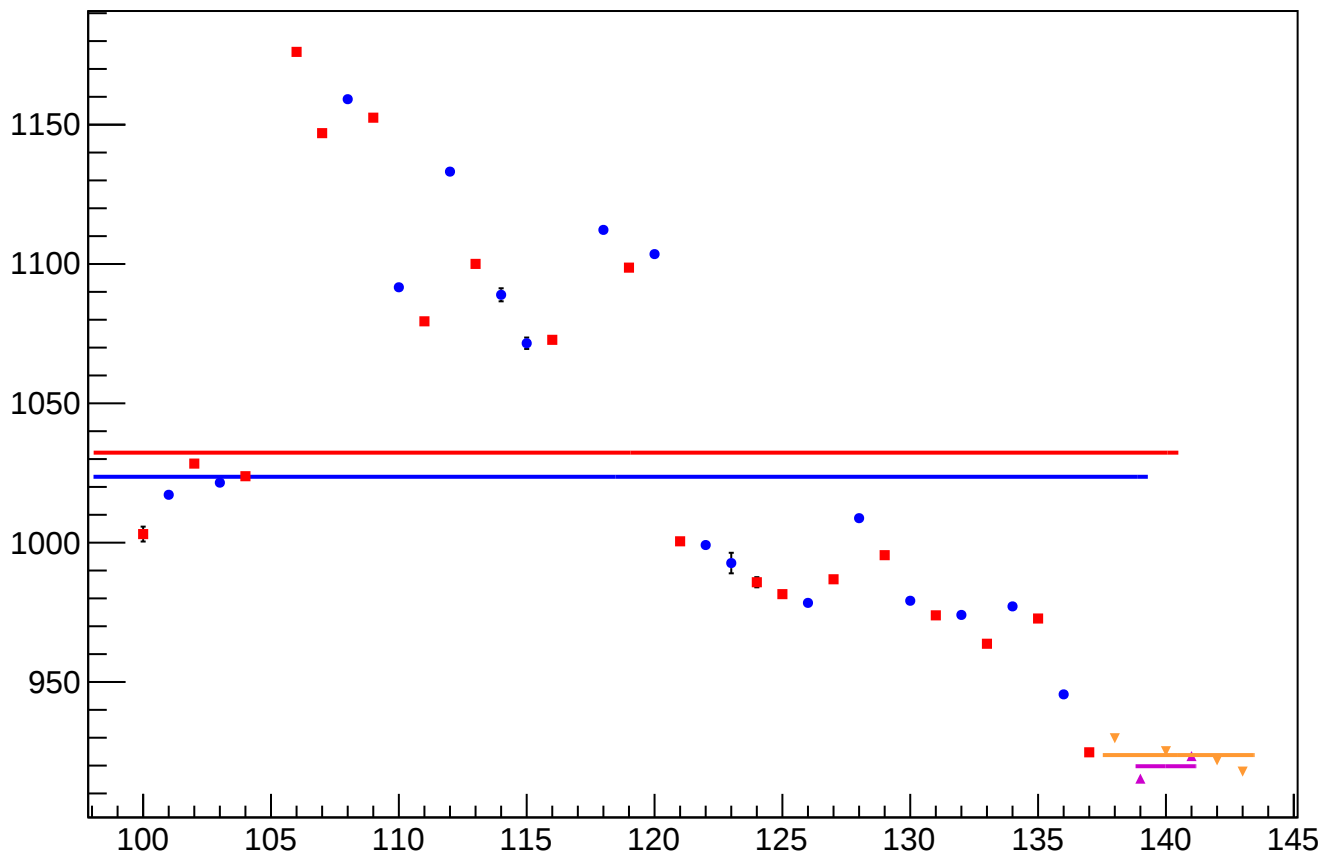
Left In: 6.199+/-0.745 χ^2/NDF : 1.0/1

+ sign 0.635+/-0.323 χ^2/NDF : 46.9/20

All: 2.580+/-0.235 χ^2/NDF : 234.7/41

- sign 4.784+/-0.344 χ^2/NDF : 110.4/20

diff_bpm2i01Y_rms vs Slug



Right In: 1023.643 ± 0.280 χ^2/NDF : 52282.5/16

Left Out: 923.773 ± 0.395 χ^2/NDF : 133.9/3

Right Out: 1032.299 ± 0.274 χ^2/NDF : 59262.4/18

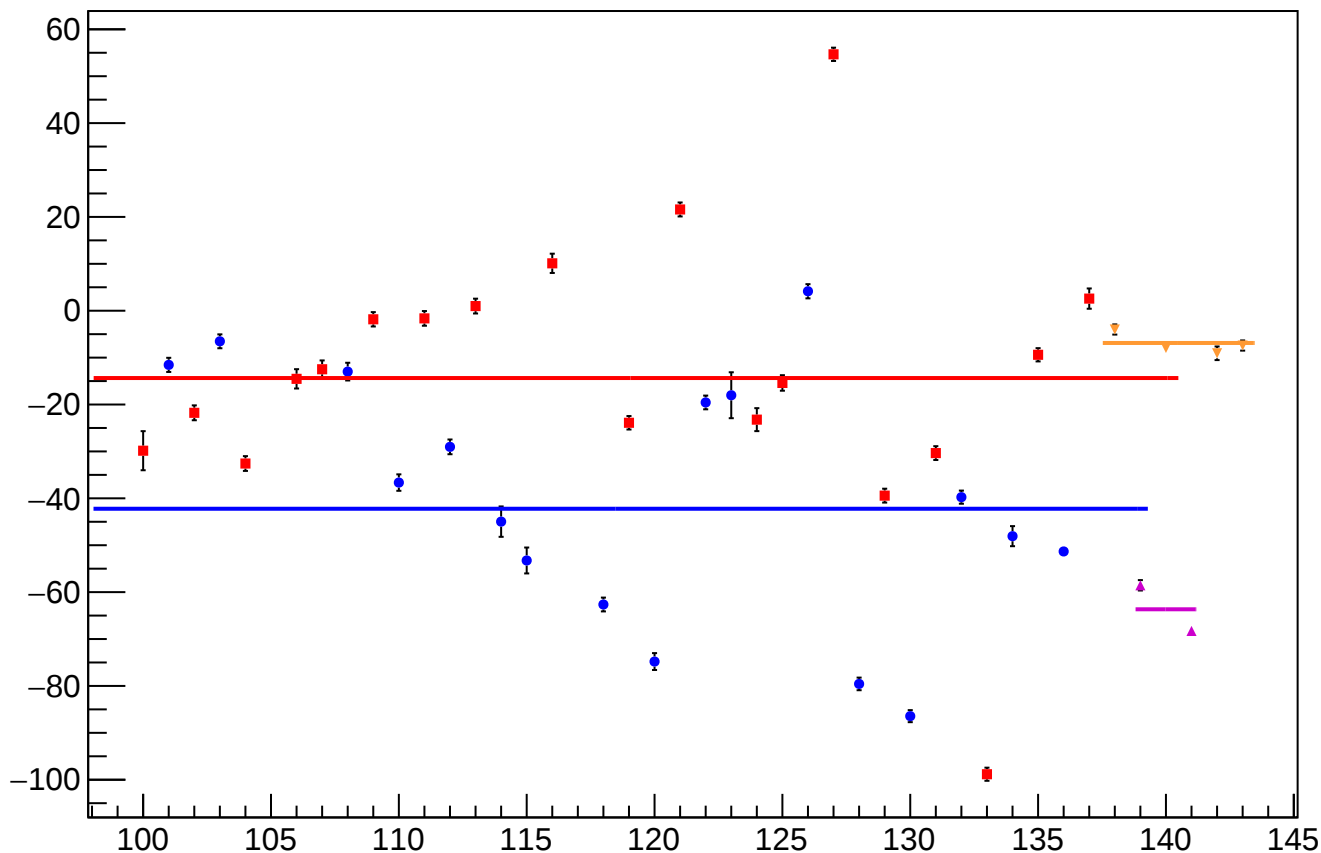
Left In: 919.769 ± 0.527 χ^2/NDF : 58.4/1

+ sign 990.275 ± 0.228 χ^2/NDF : 94987.1/20

All: 998.739 ± 0.166 χ^2/NDF : 193178.6/41

- sign 1008.330 ± 0.243 χ^2/NDF : 95259.6/20

diff_bpm2i02X_mean vs Slug



Right In: -42.222 ± 0.388 $\chi^2/\text{NDF}: 5097.2/16$

Left Out: -6.876 ± 0.572 $\chi^2/\text{NDF}: 10.6/3$

Right Out: -14.353 ± 0.379 $\chi^2/\text{NDF}: 7667.7/18$

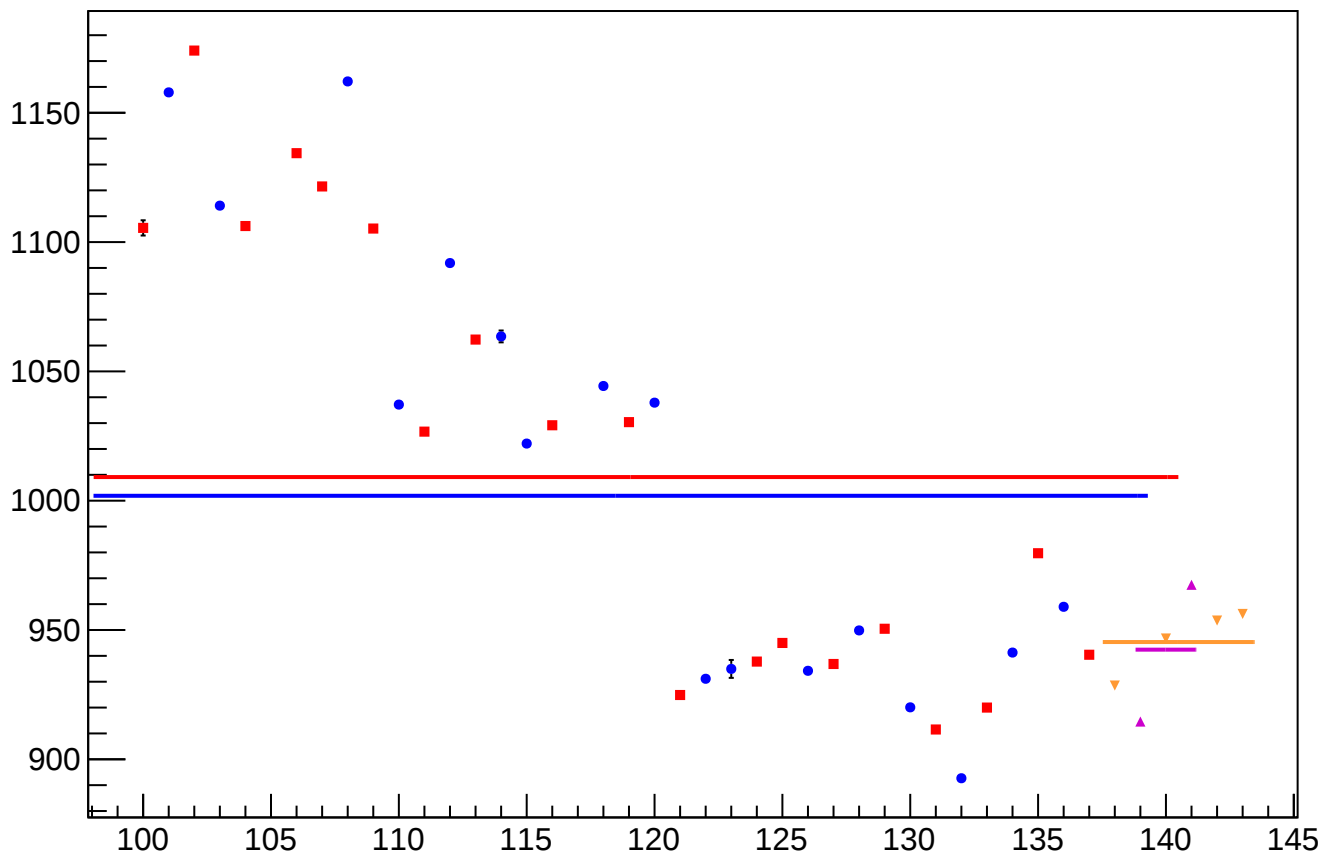
Left In: -63.659 ± 0.763 $\chi^2/\text{NDF}: 40.5/1$

+ sign -31.077 ± 0.321 $\chi^2/\text{NDF}: 7726.0/20$

All: -27.792 ± 0.233 $\chi^2/\text{NDF}: 19003.2/41$

- sign -24.113 ± 0.340 $\chi^2/\text{NDF}: 11055.1/20$

diff_bpm2i02X_rms vs Slug



Right In: 1001.897 $\pm$ 0.274 χ^2 /NDF: 95203.3/16

Left Out: 945.346 $\pm$ 0.404 χ^2 /NDF: 750.9/3

Right Out: 1009.139 $\pm$ 0.268 χ^2 /NDF: 95040.9/18

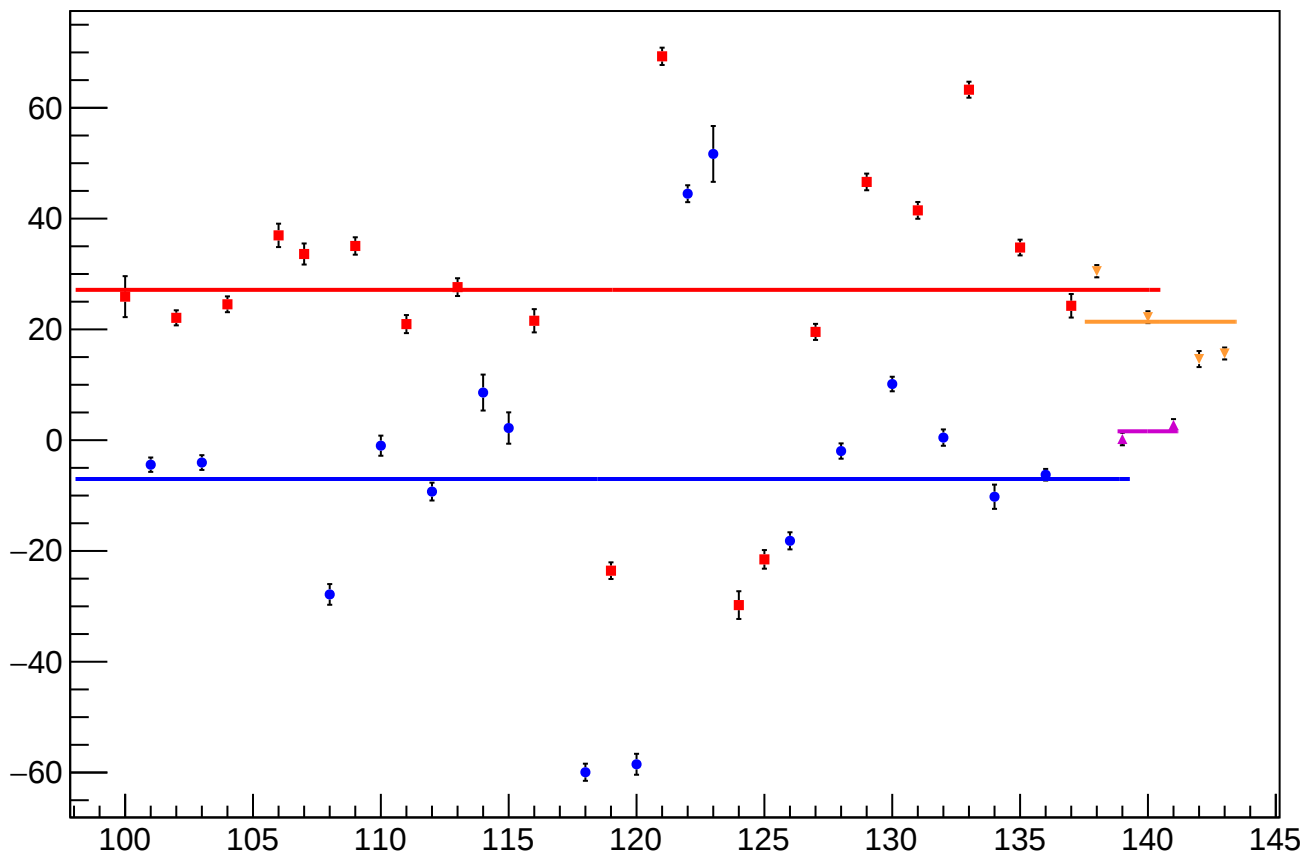
Left In: 942.396 $\pm$ 0.540 χ^2 /NDF: 2393.7/1

+ sign 984.066 $\pm$ 0.227 χ^2 /NDF: 109358.6/20

All: 989.663 $\pm$ 0.165 χ^2 /NDF: 220346.9/41

- sign 995.927 $\pm$ 0.240 χ^2 /NDF: 109699.6/20

diff_bpm2i02Y_mean vs Slug



Right In: -7.011 ± 0.389 χ^2/NDF : 3634.7/16

Left Out: 21.380 ± 0.576 χ^2/NDF : 117.8/3

Right Out: 27.137 ± 0.380 χ^2/NDF : 4257.1/18

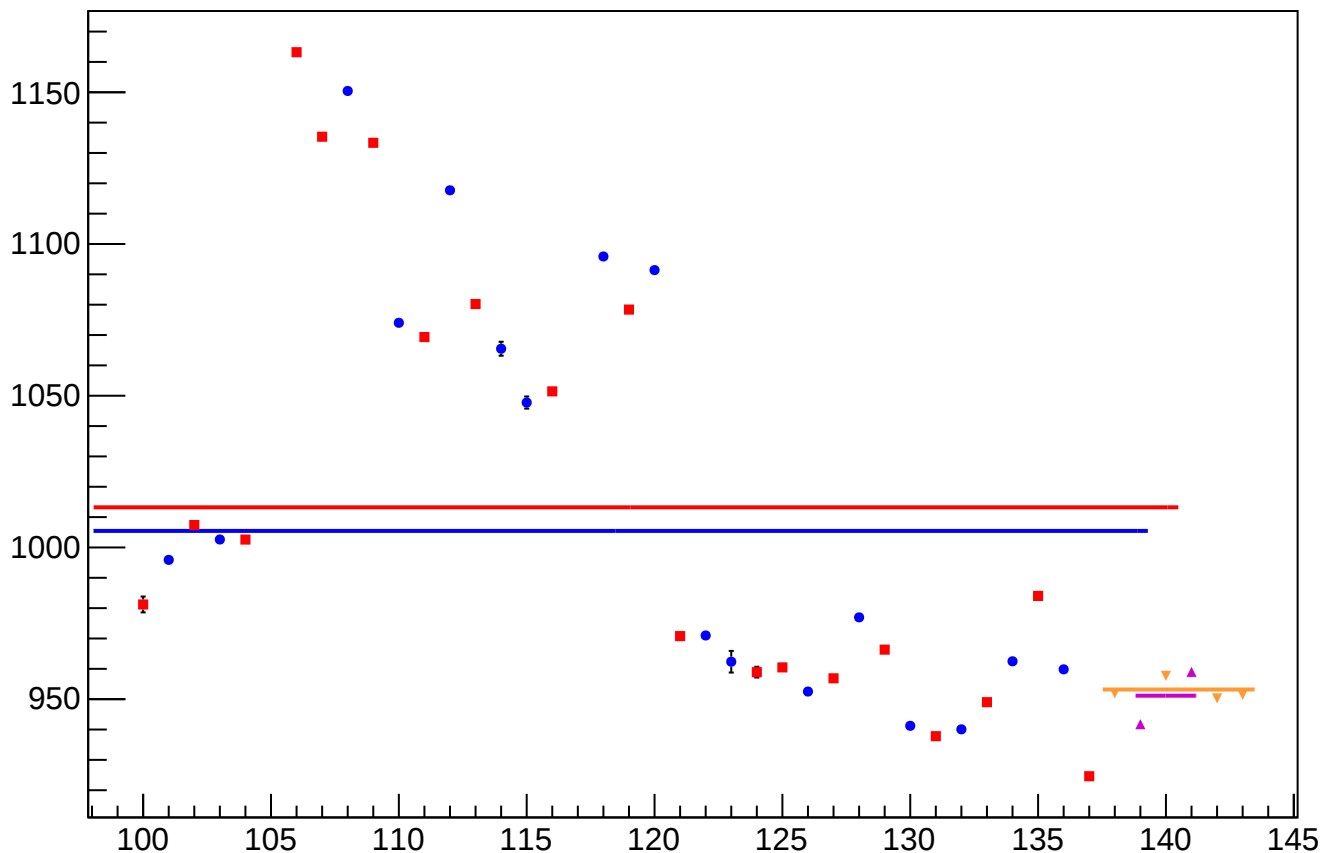
Left In: 1.602 ± 0.770 χ^2/NDF : 2.7/1

+ sign 1.865 ± 0.322 χ^2/NDF : 5420.7/20

All: 11.425 ± 0.234 χ^2/NDF : 12430.5/41

- sign 22.131 ± 0.341 χ^2/NDF : 5143.7/20

diff_bpm2i02Y_rms vs Slug



Right In: 1005.453 $\pm$ 0.275 χ^2 /NDF: 54493.5/16

Left Out: 953.188 $\pm$ 0.408 χ^2 /NDF: 51.1/3

Right Out: 1013.228 $\pm$ 0.269 χ^2 /NDF: 63189.9/18

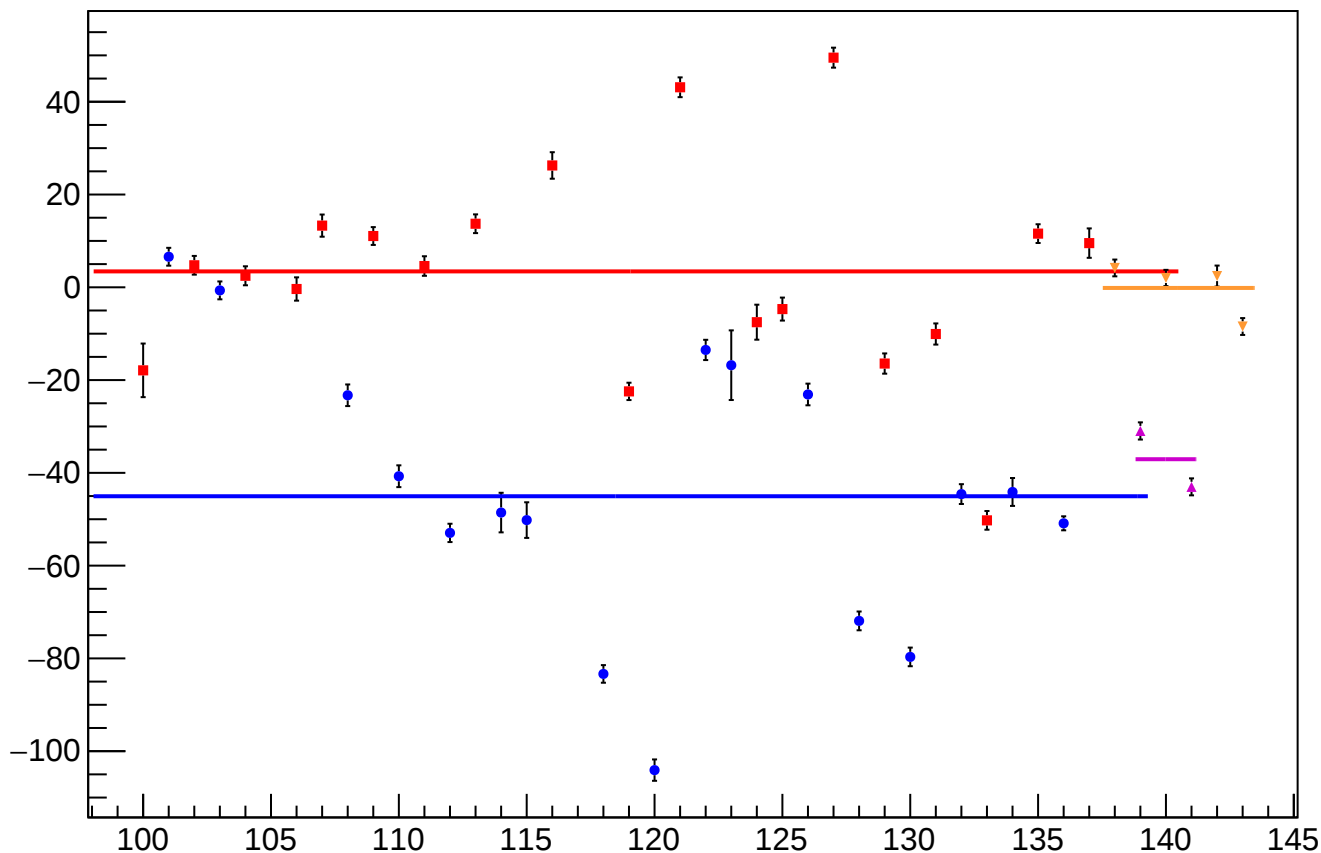
Left In: 951.153 $\pm$ 0.545 χ^2 /NDF: 248.6/1

+ sign 989.114 $\pm$ 0.228 χ^2 /NDF: 65851.4/20

All: 994.749 $\pm$ 0.166 χ^2 /NDF: 141033.7/41

- sign 1001.058 $\pm$ 0.241 χ^2 /NDF: 73885.8/20

diff_bpm0i02X_mean vs Slug



Right In: -45.043 ± 0.541 χ^2/NDF : 3223.5/16

Left Out: -0.138 ± 0.940 χ^2/NDF : 29.5/3

Right Out: 3.429 ± 0.523 χ^2/NDF : 2001.9/18

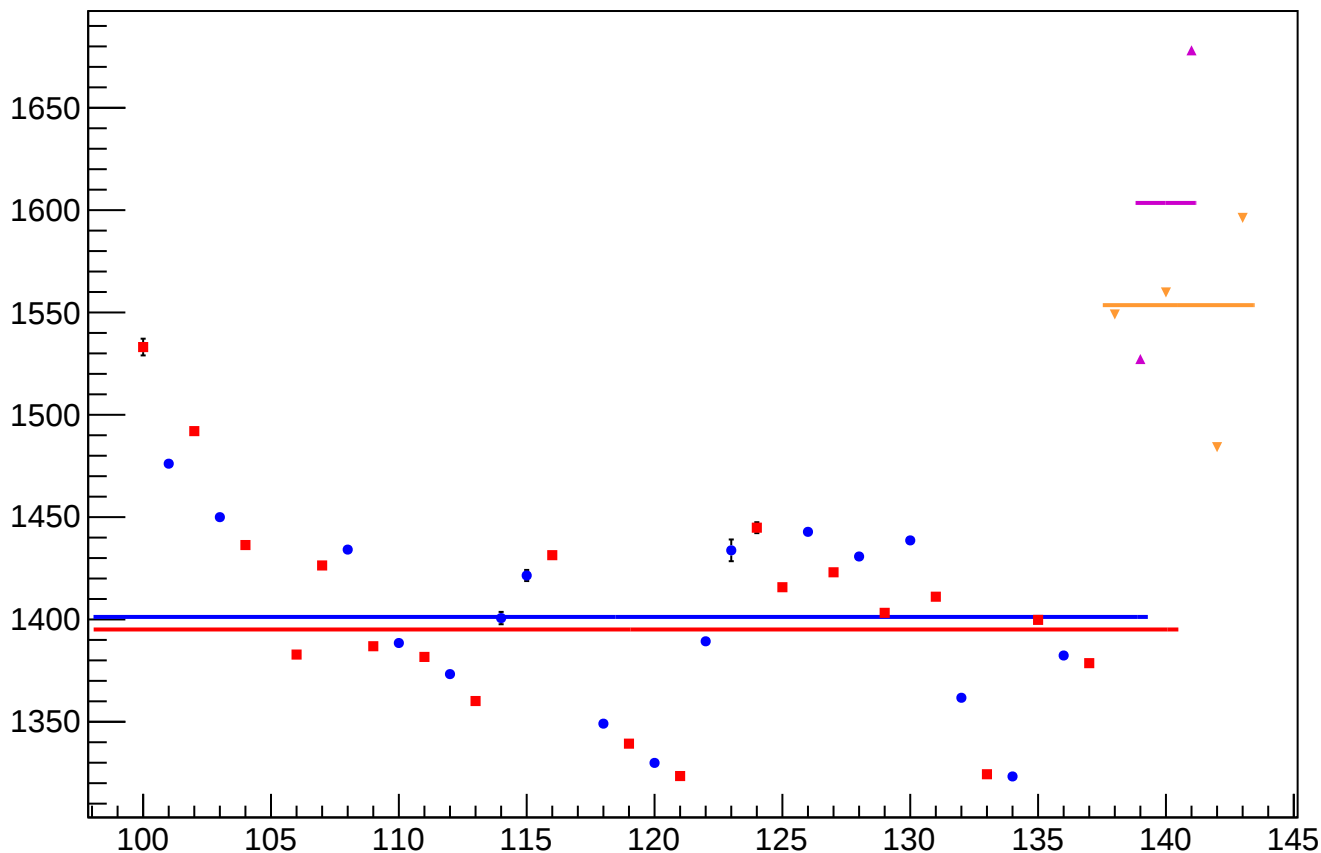
Left In: -37.060 ± 1.302 χ^2/NDF : 21.4/1

+ sign -33.883 ± 0.469 χ^2/NDF : 4967.6/20

All: -18.581 ± 0.337 χ^2/NDF : 10031.8/41

- sign -2.190 ± 0.485 χ^2/NDF : 2856.2/20

diff_bpm0i02X_rms vs Slug



Right In: 1401.235+/-0.382 χ^2/NDF : 12839.4/16

Left Out: 1553.581+/-0.665 χ^2/NDF : 3023.9/3

Right Out: 1395.100+/-0.370 χ^2/NDF : 15523.2/18

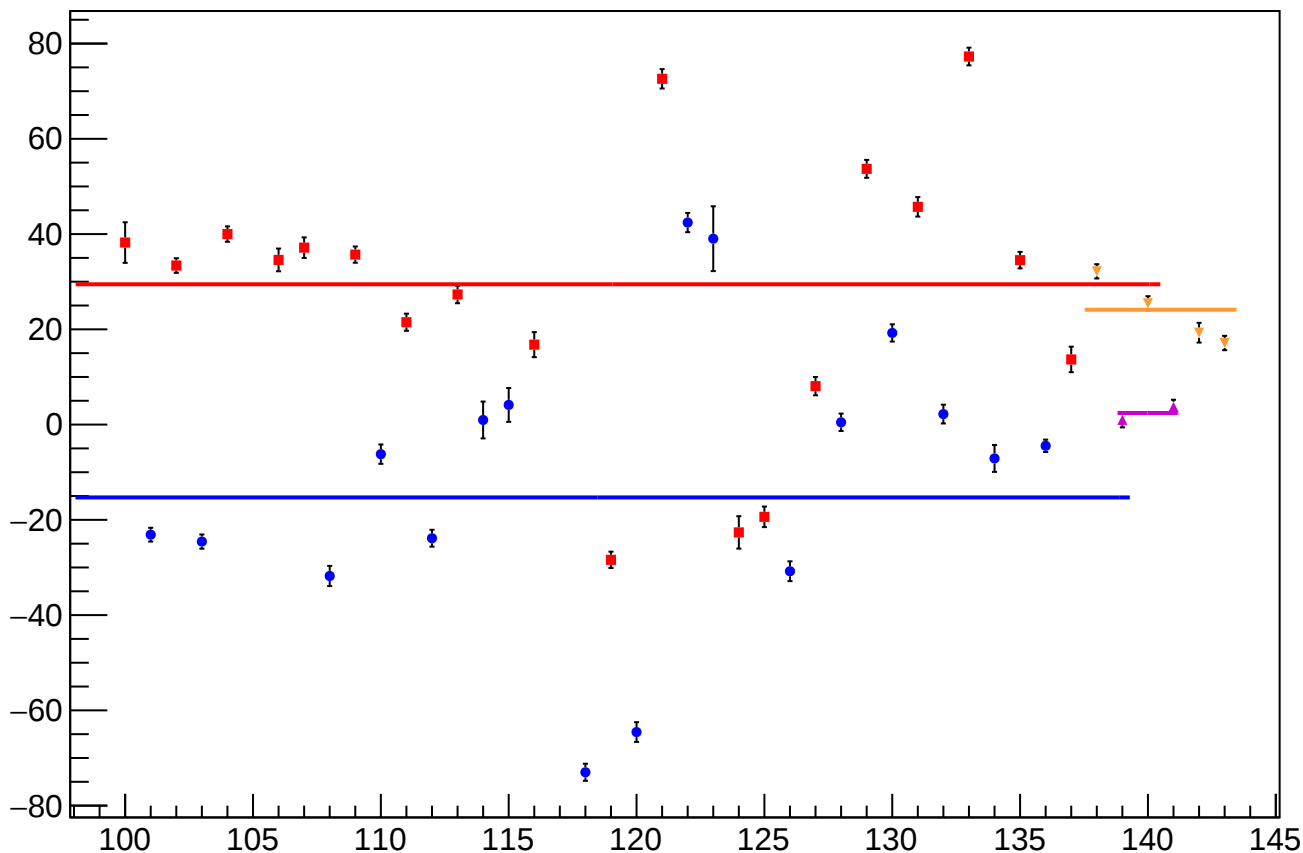
Left In: 1603.523+/-0.921 χ^2/NDF : 6710.0/1

+ sign 1439.098+/-0.331 χ^2/NDF : 55336.4/20

All: 1431.821+/-0.238 χ^2/NDF : 122705.5/41

- sign 1424.026+/-0.343 χ^2/NDF : 66370.4/20

diff_bpm0i02Y_mean vs Slug



Right In: -15.296 ± 0.473 $\chi^2/\text{NDF}: 3345.6/16$

Left Out: 24.116 ± 0.798 $\chi^2/\text{NDF}: 56.7/3$

Right Out: 29.461 ± 0.457 $\chi^2/\text{NDF}: 3528.0/18$

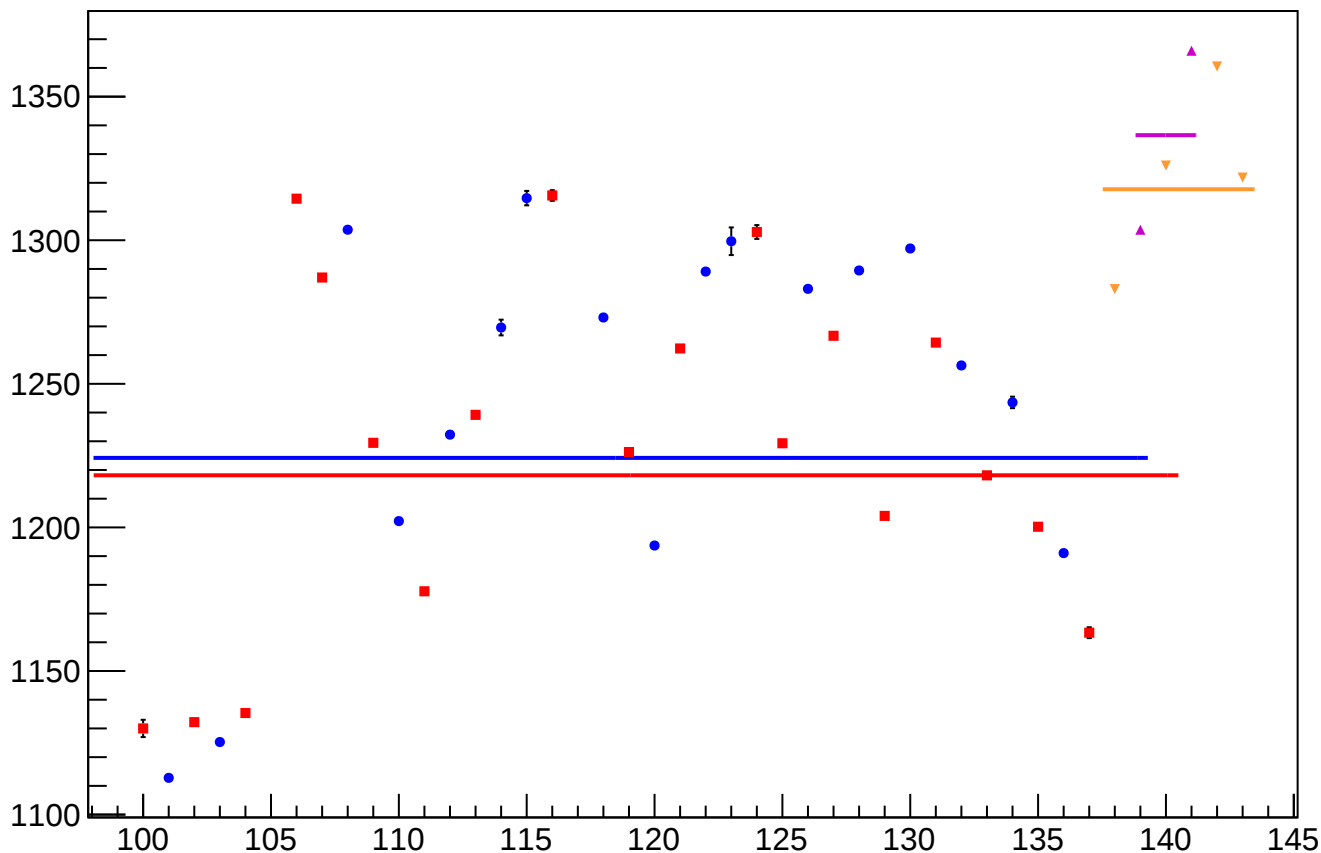
Left In: 2.437 ± 1.085 $\chi^2/\text{NDF}: 1.6/1$

+ sign -5.043 ± 0.407 $\chi^2/\text{NDF}: 5209.1/20$

All: 9.648 ± 0.293 $\chi^2/\text{NDF}: 11967.8/41$

- sign 25.392 ± 0.421 $\chi^2/\text{NDF}: 4056.4/20$

diff_bpm0i02Y_rms vs Slug



Right In: 1224.212+/-0.334 χ^2/NDF : 38774.7/16

Left Out: 1317.753+/-0.564 χ^2/NDF : 2003.9/3

Right Out: 1218.154+/-0.323 χ^2/NDF : 27562.5/18

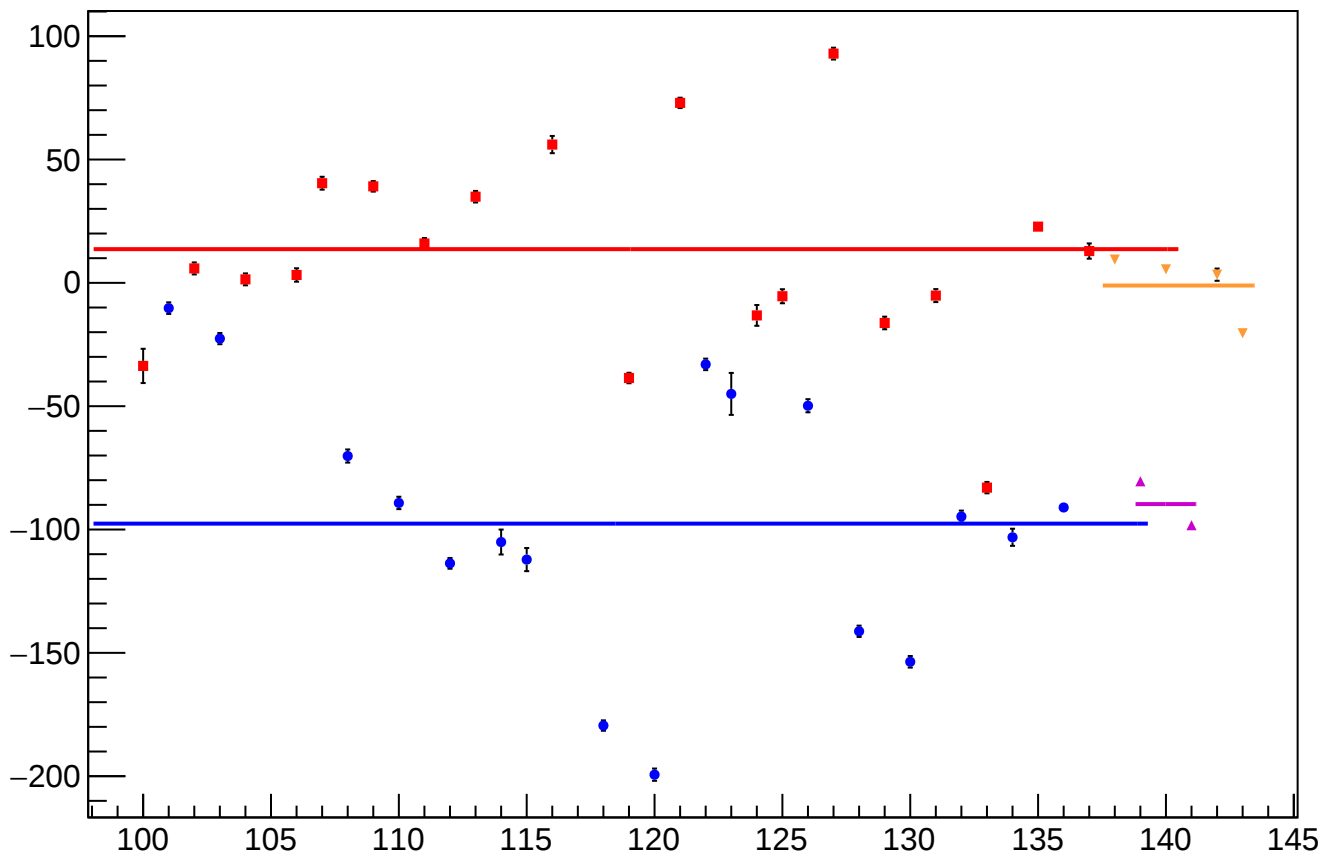
Left In: 1336.595+/-0.767 χ^2/NDF : 1644.6/1

+ sign 1248.546+/-0.288 χ^2/NDF : 61135.0/20

All: 1242.484+/-0.207 χ^2/NDF : 111498.5/41

- sign 1235.988+/-0.298 χ^2/NDF : 49443.4/20

diff_bpm0i02aX_mean vs Slug



Right In: -97.610 ± 0.602 χ^2/NDF : 7919.3/16

Left Out: -1.081 ± 0.981 χ^2/NDF : 157.1/3

Right Out: 13.666 ± 0.580 χ^2/NDF : 5116.2/18

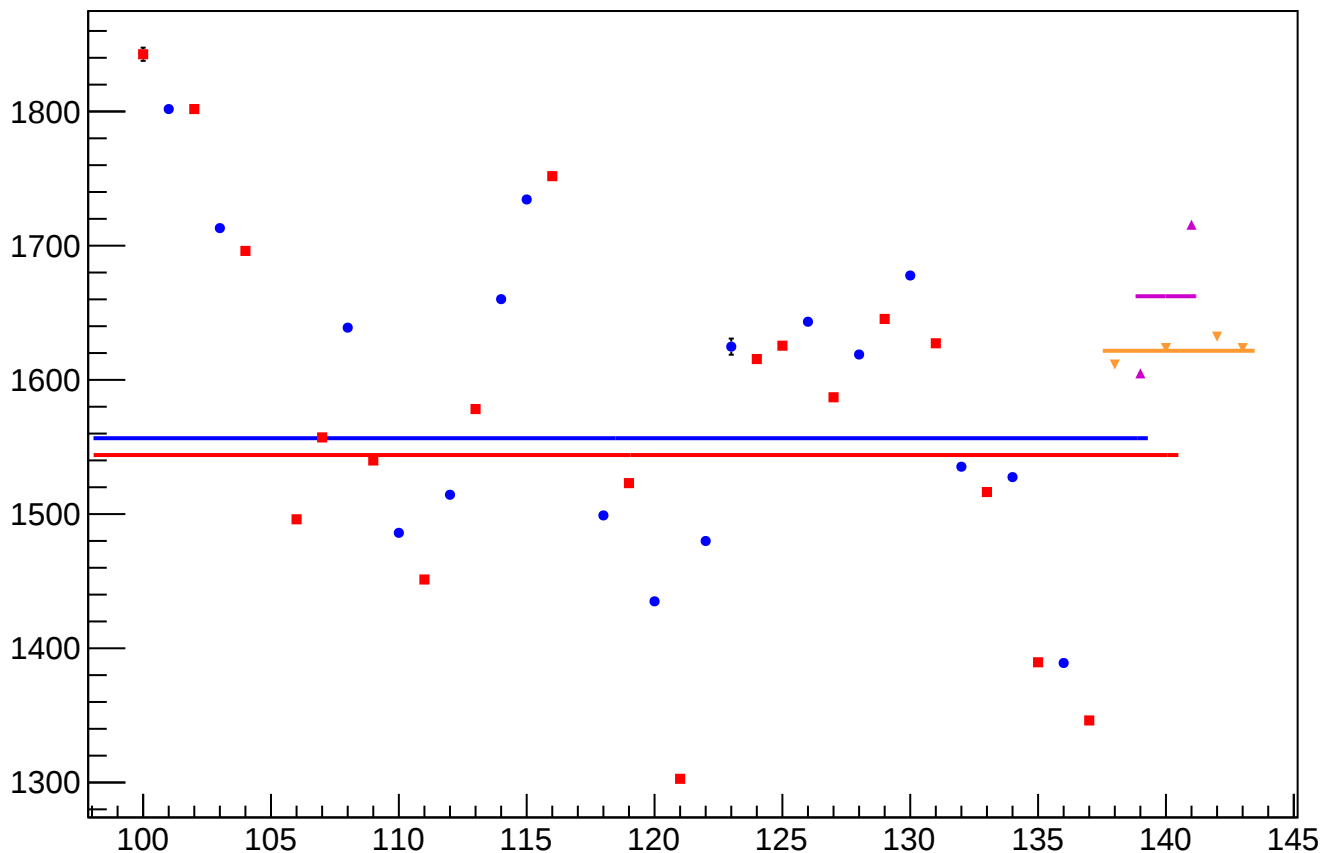
Left In: -89.686 ± 1.349 χ^2/NDF : 43.5/1

+ sign -71.188 ± 0.513 χ^2/NDF : 15107.7/20

All: -38.131 ± 0.370 χ^2/NDF : 33842.2/41

- sign -2.470 ± 0.533 χ^2/NDF : 10111.7/20

diff_bpm0i02aX_rms vs Slug



Right In: 1556.539+/-0.426 χ^2/NDF : 81438.3/16

Left Out: 1621.687+/-0.694 χ^2/NDF : 100.1/3

Right Out: 1543.993+/-0.410 χ^2/NDF : 100599.9/18

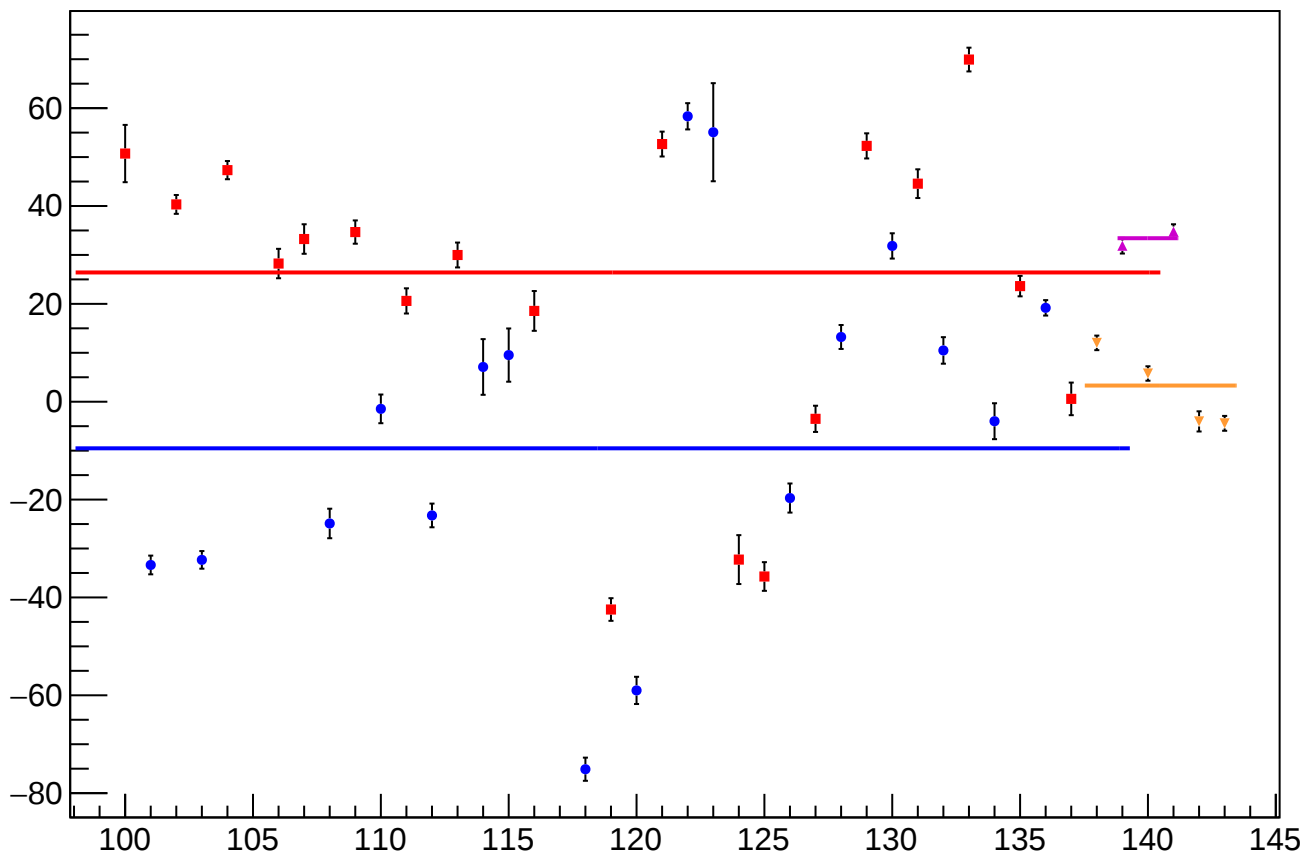
Left In: 1662.323+/-0.954 χ^2/NDF : 3364.5/1

+ sign 1574.371+/-0.363 χ^2/NDF : 87944.0/20

All: 1568.645+/-0.261 χ^2/NDF : 205408.5/41

- sign 1562.468+/-0.377 χ^2/NDF : 116947.0/20

diff_bpm0i02aY_mean vs Slug



Right In: -9.523 ± 0.627 χ^2/NDF : 2908.8/16

Left Out: 3.306 ± 0.796 χ^2/NDF : 75.6/3

Right Out: 26.417 ± 0.604 χ^2/NDF : 2451.3/18

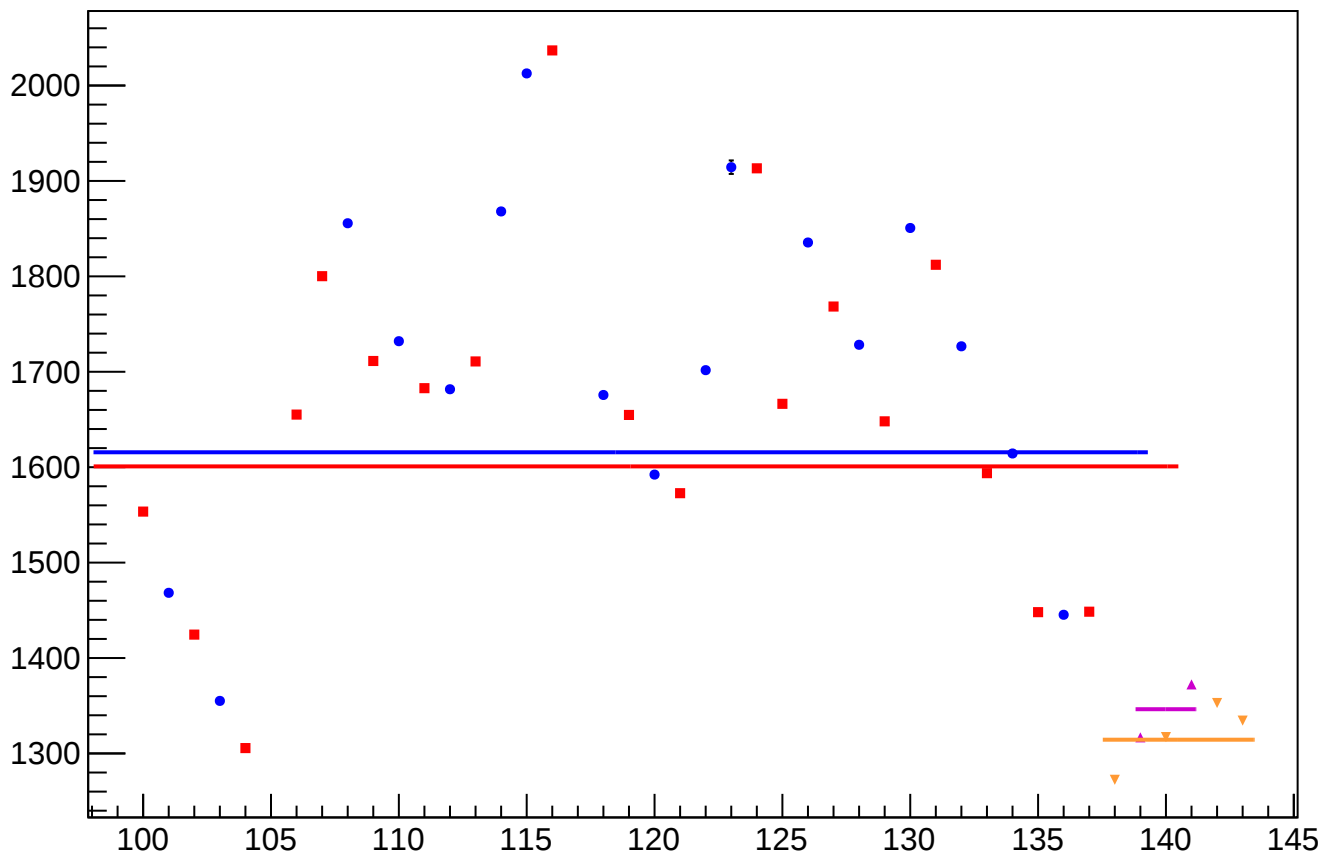
Left In: 33.416 ± 1.093 χ^2/NDF : 1.7/1

+ sign -4.607 ± 0.493 χ^2/NDF : 3144.6/20

All: 10.584 ± 0.360 χ^2/NDF : 7672.8/41

- sign 28.054 ± 0.528 χ^2/NDF : 2484.5/20

diff_bpm0i02aY_rms vs Slug



Right In: 1615.627+/-0.444 χ^2/NDF : 149190.0/16

Left Out: 1314.399+/-0.563 χ^2/NDF : 2643.9/3

Right Out: 1600.836+/-0.427 χ^2/NDF : 153528.6/18

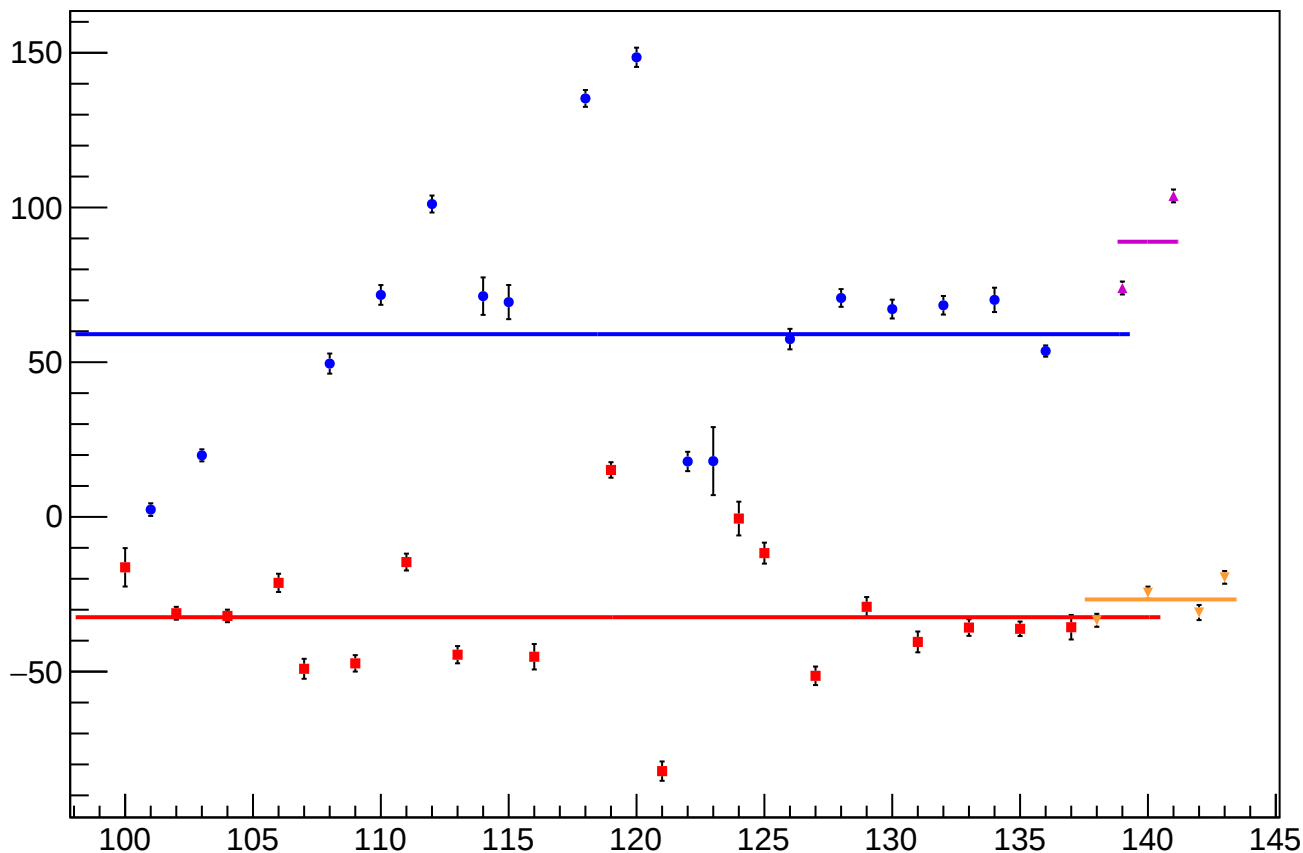
Left In: 1346.354+/-0.773 χ^2/NDF : 1284.1/1

+ sign 1500.197+/-0.348 χ^2/NDF : 328516.8/20

All: 1519.323+/-0.255 χ^2/NDF : 572927.6/41

- sign 1541.320+/-0.374 χ^2/NDF : 237931.1/20

diff_bpm0i05X_mean vs Slug



Right In: 59.057 $\pm$ 0.700 χ^2 /NDF: 3293.2/16

Left Out: -26.680 $\pm$ 1.062 χ^2 /NDF: 26.5/3

Right Out: -32.417 $\pm$ 0.667 χ^2 /NDF: 888.1/18

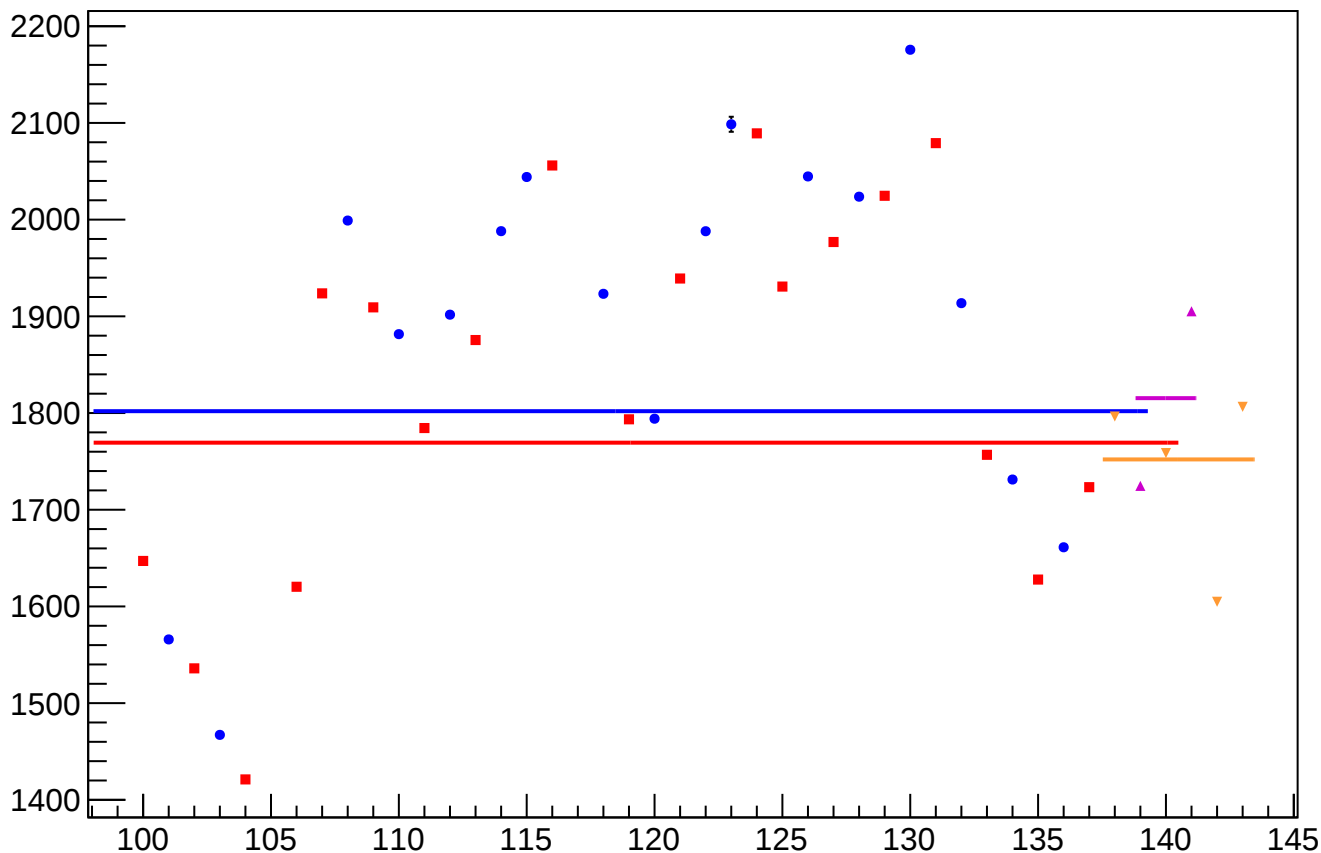
Left In: 88.936 $\pm$ 1.477 χ^2 /NDF: 101.6/1

+ sign 33.074 $\pm$ 0.585 χ^2 /NDF: 7859.9/20

All: 11.504 $\pm$ 0.422 χ^2 /NDF: 17290.8/41

- sign -11.828 $\pm$ 0.608 χ^2 /NDF: 6598.5/20

diff_bpm0i05X_rms vs Slug



Right In: 1801.920+/-0.495 χ^2/NDF : 183555.8/16

Left Out: 1752.025+/-0.751 χ^2/NDF : 9547.9/3

Right Out: 1769.354+/-0.472 χ^2/NDF : 177813.0/18

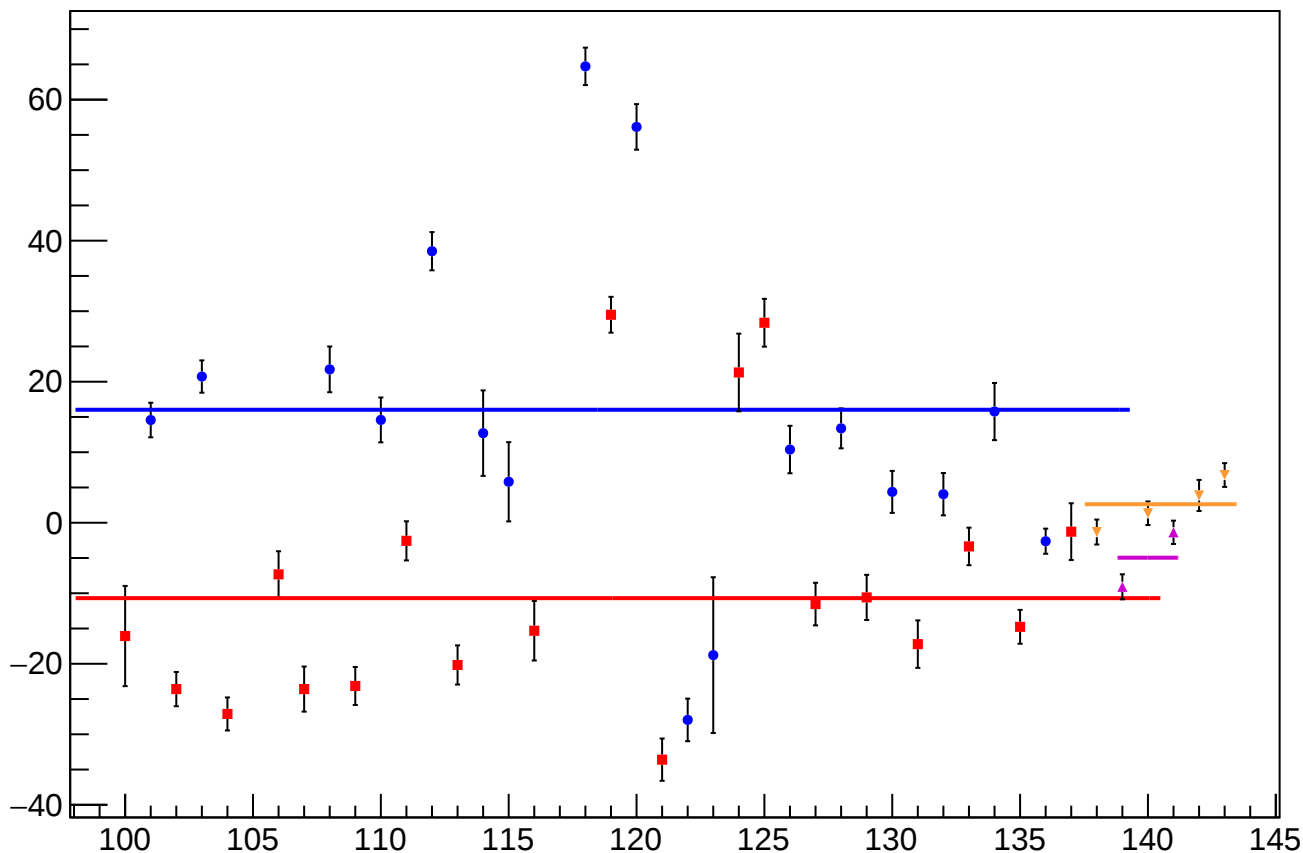
Left In: 1815.389+/-1.044 χ^2/NDF : 7476.0/1

+ sign 1786.800+/-0.413 χ^2/NDF : 196179.0/20

All: 1782.171+/-0.298 χ^2/NDF : 383343.2/41

- sign 1777.164+/-0.430 χ^2/NDF : 186903.3/20

diff_bpm0i05Y_mean vs Slug



Right In: 16.023+/-0.723 χ^2/NDF : 938.1/16

Left Out: 2.626+/-0.900 χ^2/NDF : 11.9/3

Right Out: -10.695+/-0.694 χ^2/NDF : 632.7/18

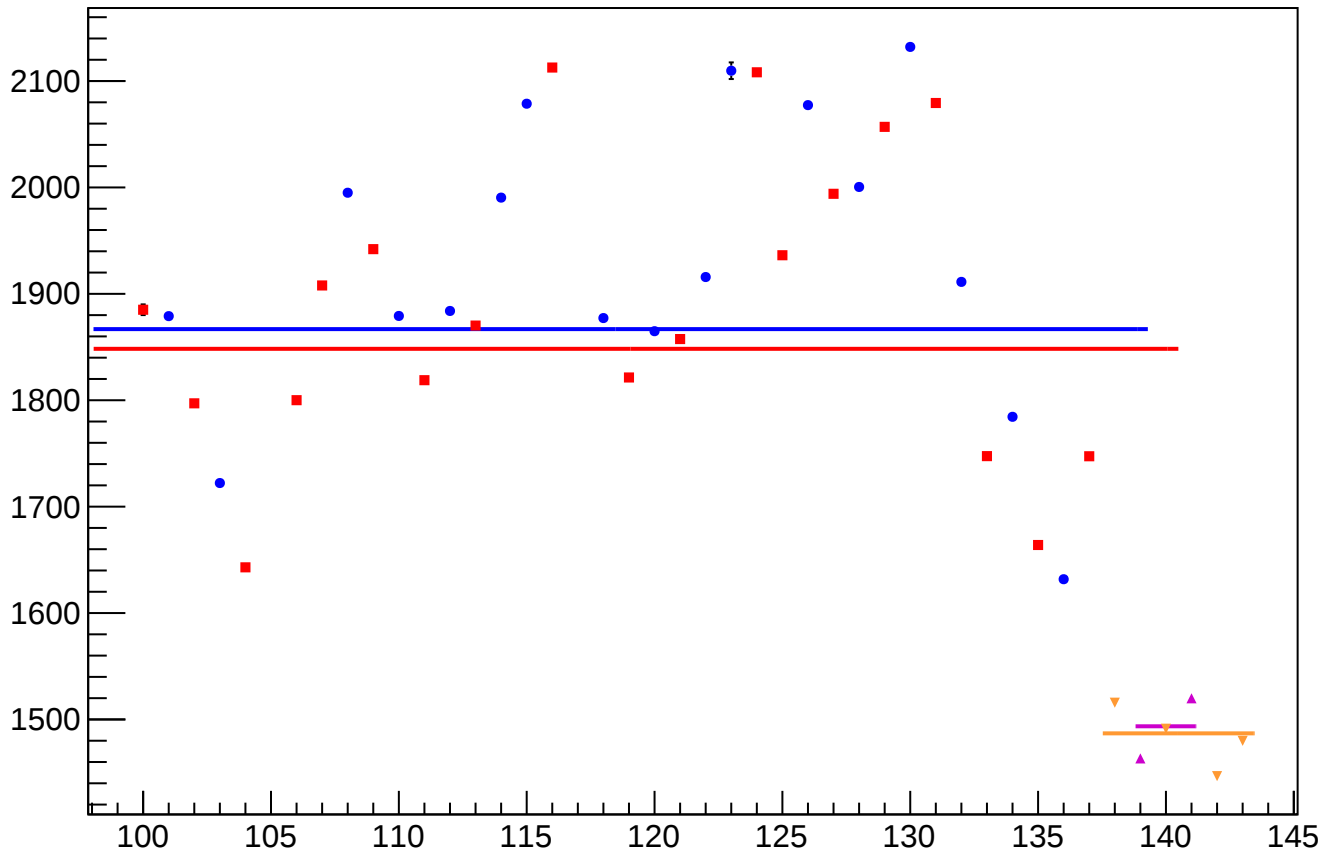
Left In: -4.957+/-1.210 χ^2/NDF : 10.1/1

+ sign 10.768+/-0.563 χ^2/NDF : 1084.8/20

All: 1.416+/-0.411 χ^2/NDF : 2335.1/41

- sign -9.274+/-0.602 χ^2/NDF : 659.7/20

diff_bpm0i05Y_rms vs Slug



Right In: 1866.855 $\pm$ 0.511 χ^2 /NDF: 80657.5/16

Left Out: 1486.933 $\pm$ 0.636 χ^2 /NDF:1244.5/3

Right Out: 1848.333 $\pm$ 0.491 χ^2 /NDF: 72586.9/18

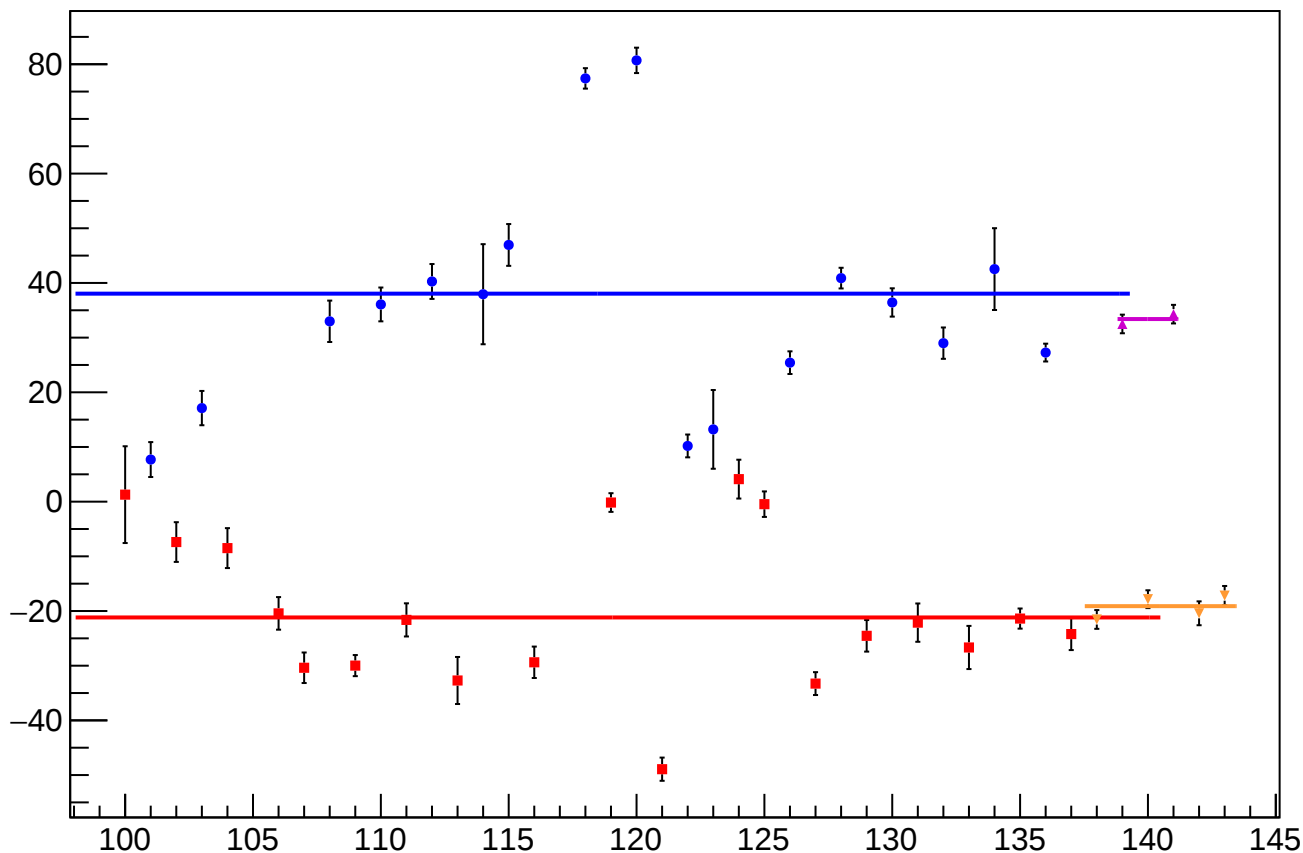
Left In: 1493.572 $\pm$ 0.856 χ^2 /NDF:1084.2/1

+ sign 1717.831 $\pm$ 0.398 χ^2 /NDF: 298707.0/20

All: 1737.736 $\pm$ 0.291 χ^2 /NDF: 506980.0/41

- sign 1760.488 $\pm$ 0.426 χ^2 /NDF: 202923.1/20

diff_bpm0i07X_mean vs Slug



Right In: 38.041+/-0.639 χ^2 /NDF: 1207.6/16

Left Out: -19.111+/-0.895 χ^2 /NDF: 4.2/3

Right Out: -21.178+/-0.610 χ^2 /NDF: 570.0/18

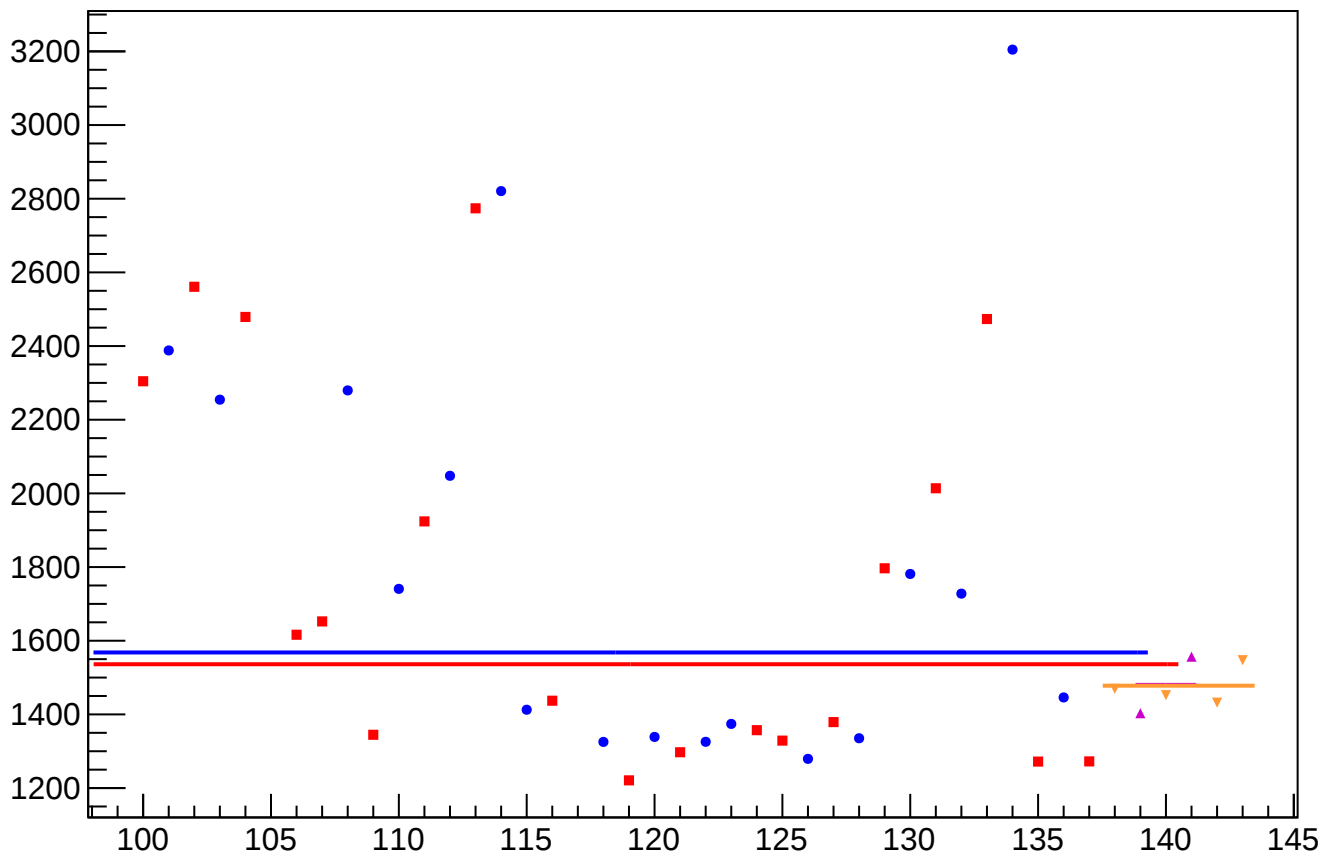
Left In: 33.398+/-1.203 χ^2 /NDF: 0.6/1

+ sign 18.755+/-0.520 χ^2 /NDF: 3913.3/20

All: 5.009+/-0.376 χ^2 /NDF: 7585.8/41

- sign -10.022+/-0.544 χ^2 /NDF: 2209.2/20

diff_bpm0i07X_rms vs Slug



Right In: 1568.172 $\pm$ 0.452 χ^2 /NDF: 668072.7/16

Left Out: 1477.915 $\pm$ 0.633 χ^2 /NDF: 4528.9/3

Right Out: 1536.208 $\pm$ 0.431 χ^2 /NDF: 882312.9/18

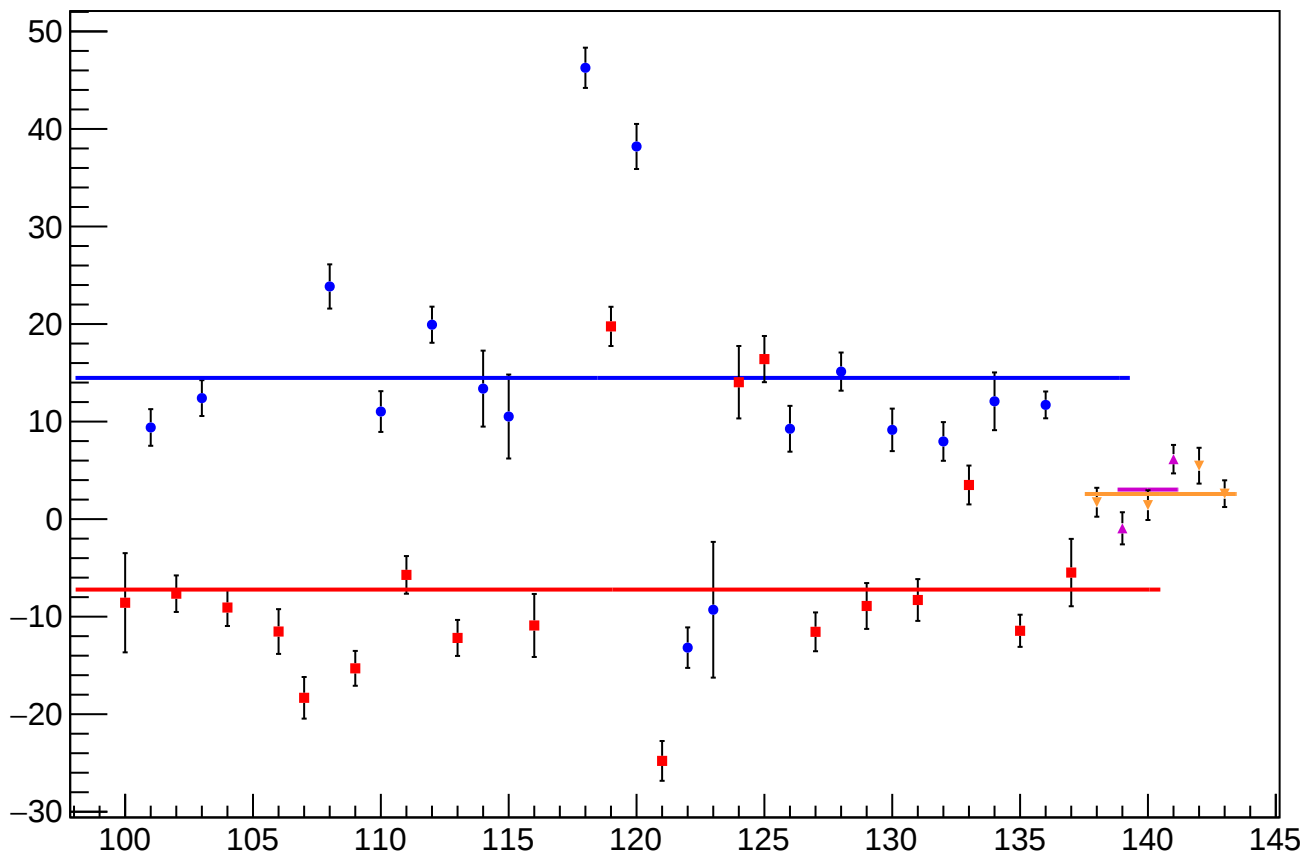
Left In: 1480.132 $\pm$ 0.850 χ^2 /NDF: 8144.1/1

+ sign 1537.715 $\pm$ 0.368 χ^2 /NDF: 686076.5/20

All: 1531.520 $\pm$ 0.266 χ^2 /NDF: 1580587.8/41

- sign 1524.745 $\pm$ 0.384 χ^2 /NDF: 893916.8/20

diff_bpm0i07Y_mean vs Slug



Right In: 14.477+/-0.524 χ^2/NDF : 596.5/16

Left Out: 2.577+/-0.764 χ^2/NDF : 3.4/3

Right Out: -7.223+/-0.495 χ^2/NDF : 489.0/18

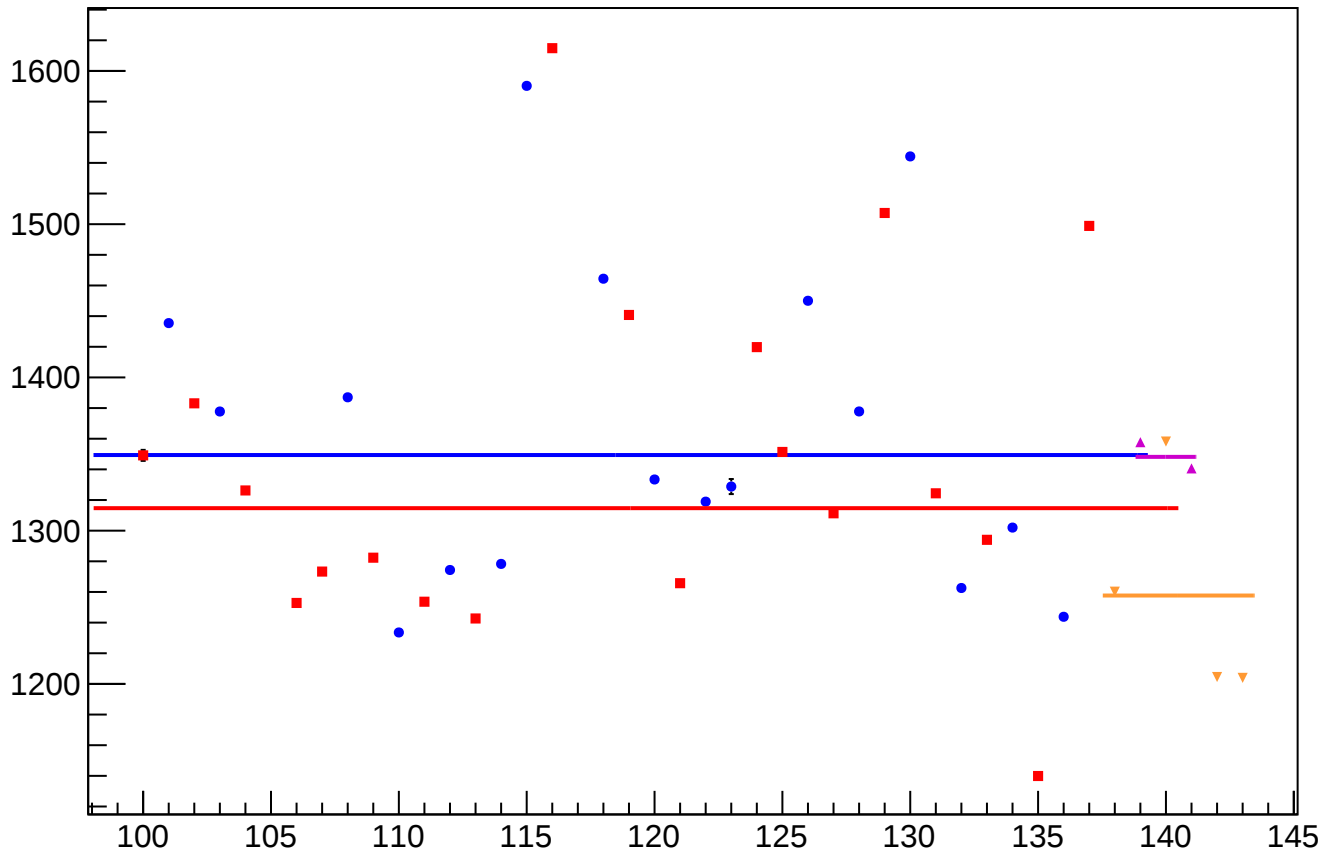
Left In: 3.028+/-1.093 χ^2/NDF : 10.4/1

+ sign 10.666+/-0.432 χ^2/NDF : 765.0/20

All: 2.942+/-0.312 χ^2/NDF : 2005.3/41

- sign -5.476+/-0.451 χ^2/NDF : 572.4/20

diff_bpm0i07Y_rms vs Slug



Right In: 1349.357 $\pm$ 0.371 χ^2 /NDF: 64580.7/16

Left Out: 1257.676 $\pm$ 0.540 χ^2 /NDF:13450.2/3

Right Out: 1314.682 $\pm$ 0.350 χ^2 /NDF: 80983.6/18

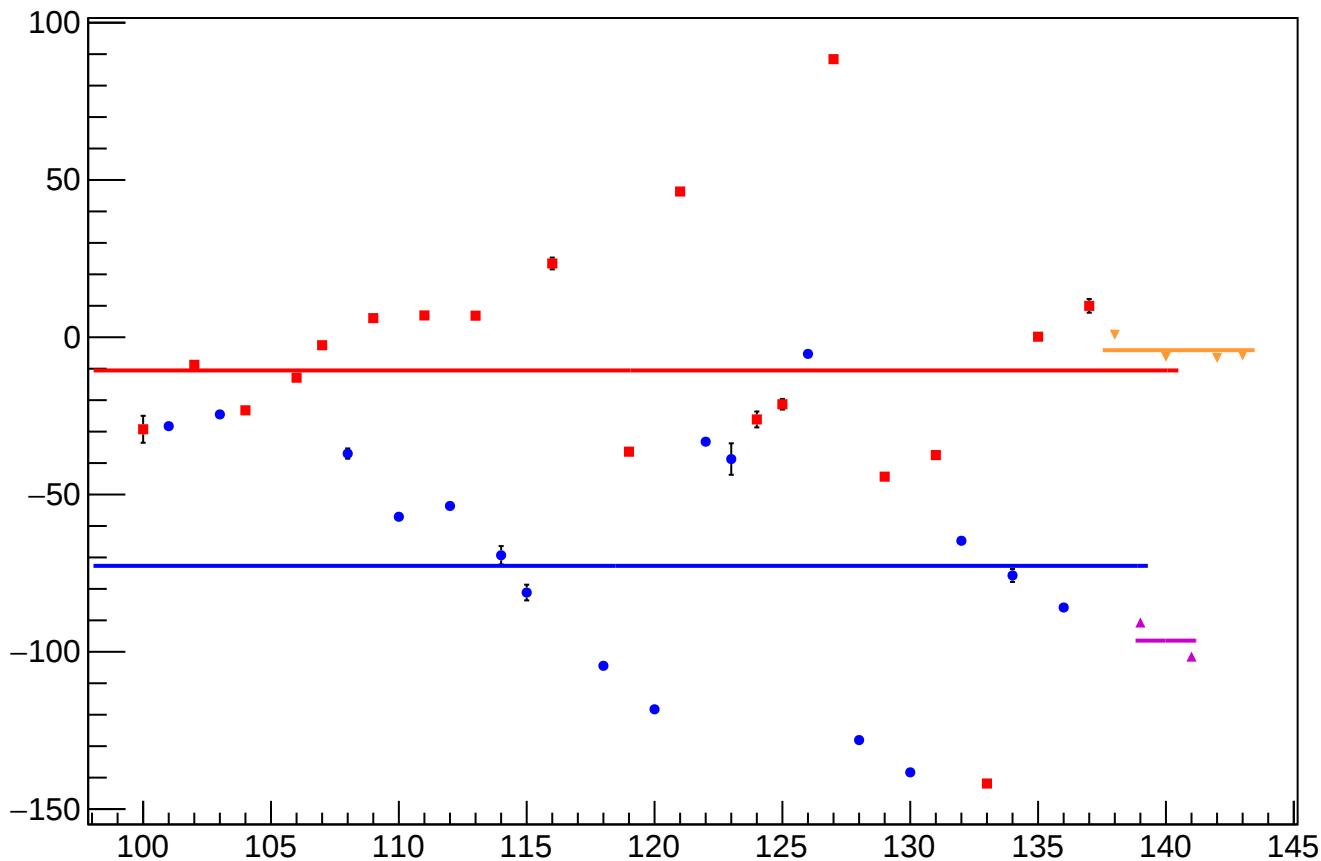
Left In: 1348.163 $\pm$ 0.773 χ^2 /NDF:120.9/1

+ sign 1319.999 $\pm$ 0.306 χ^2 /NDF: 97631.7/20

All: 1320.186 $\pm$ 0.221 χ^2 /NDF: 180295.1/41

- sign 1320.390 $\pm$ 0.319 χ^2 /NDF: 82662.7/20

diff_bpm1i02X_mean vs Slug



Right In: -72.674 ± 0.363 $\chi^2/\text{NDF}: 11603.9/16$

Left Out: -4.116 ± 0.562 $\chi^2/\text{NDF}: 31.2/3$

Right Out: -10.552 ± 0.353 $\chi^2/\text{NDF}: 18145.5/18$

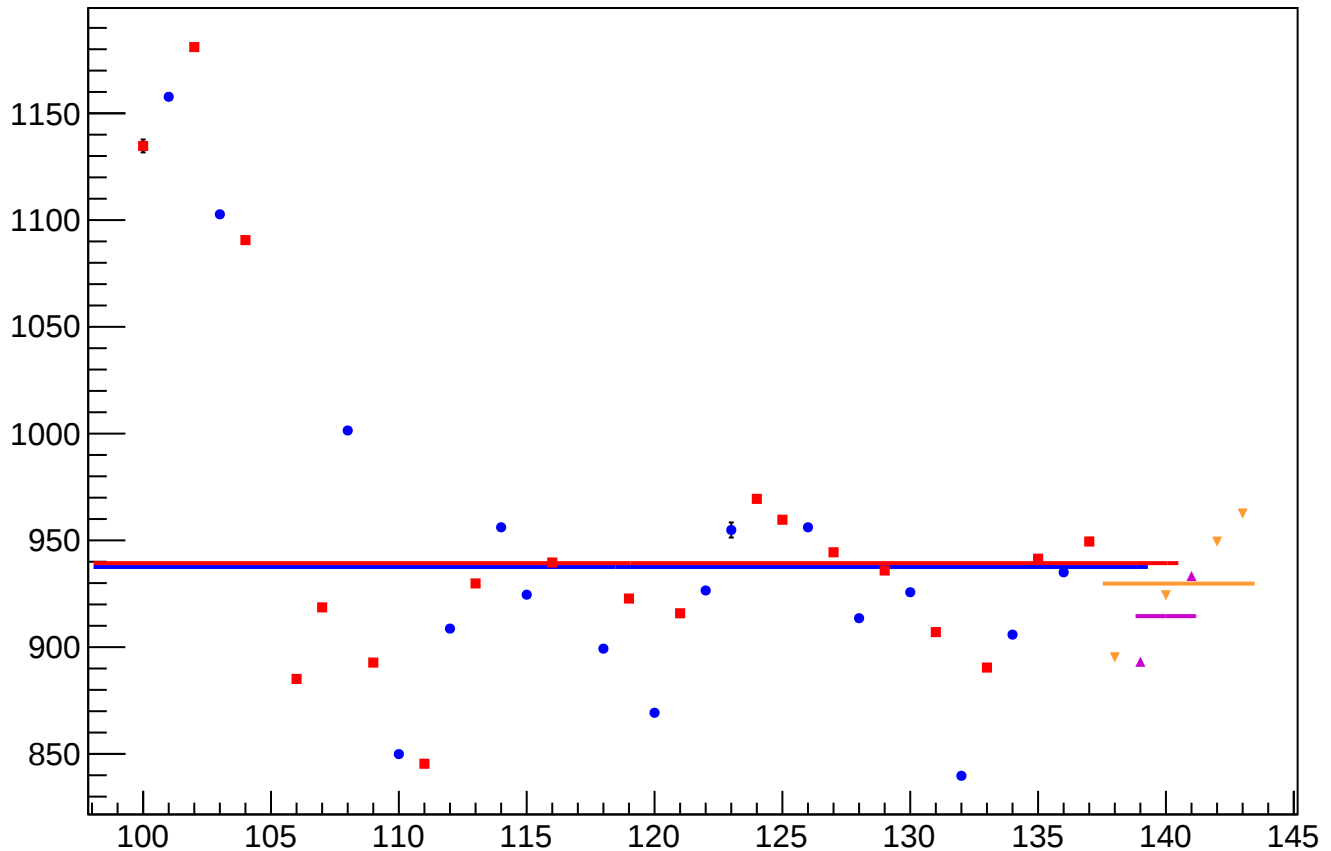
Left In: -96.443 ± 0.741 $\chi^2/\text{NDF}: 53.3/1$

+ sign -52.507 ± 0.305 $\chi^2/\text{NDF}: 22125.6/20$

All: -40.048 ± 0.220 $\chi^2/\text{NDF}: 54772.9/41$

- sign -26.448 ± 0.319 $\chi^2/\text{NDF}: 29156.9/20$

diff_bpm1i02X_rms vs Slug



Right In: 937.550 $\pm$ 0.257 χ^2 /NDF: 98231.3/16

Left Out: 929.758 $\pm$ 0.398 χ^2 /NDF:4409.7/3

Right Out: 939.341 $\pm$ 0.250 χ^2 /NDF: 90084.9/18

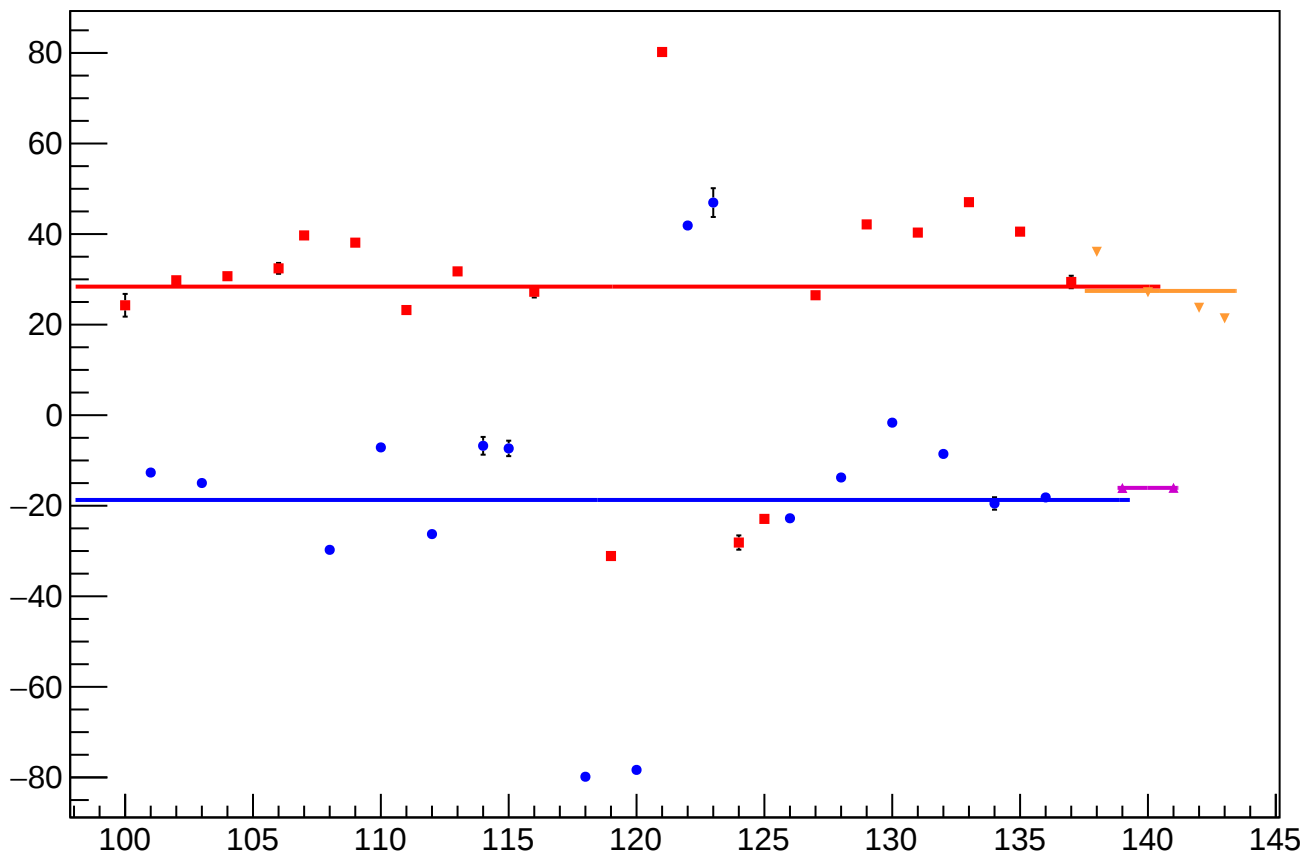
Left In: 914.525 $\pm$ 0.524 χ^2 /NDF:1462.2/1

+ sign 935.258 $\pm$ 0.216 χ^2 /NDF: 102912.0/20

All: 935.014 $\pm$ 0.156 χ^2 /NDF: 196291.3/41

- sign 934.748 $\pm$ 0.225 χ^2 /NDF: 93376.6/20

diff_bpm1i02Y_mean vs Slug



Right In: -18.723 ± 0.243 χ^2/NDF : 12999.6/16

Left Out: 27.443 ± 0.387 χ^2/NDF : 220.5/3

Right Out: 28.395 ± 0.236 χ^2/NDF : 12424.6/18

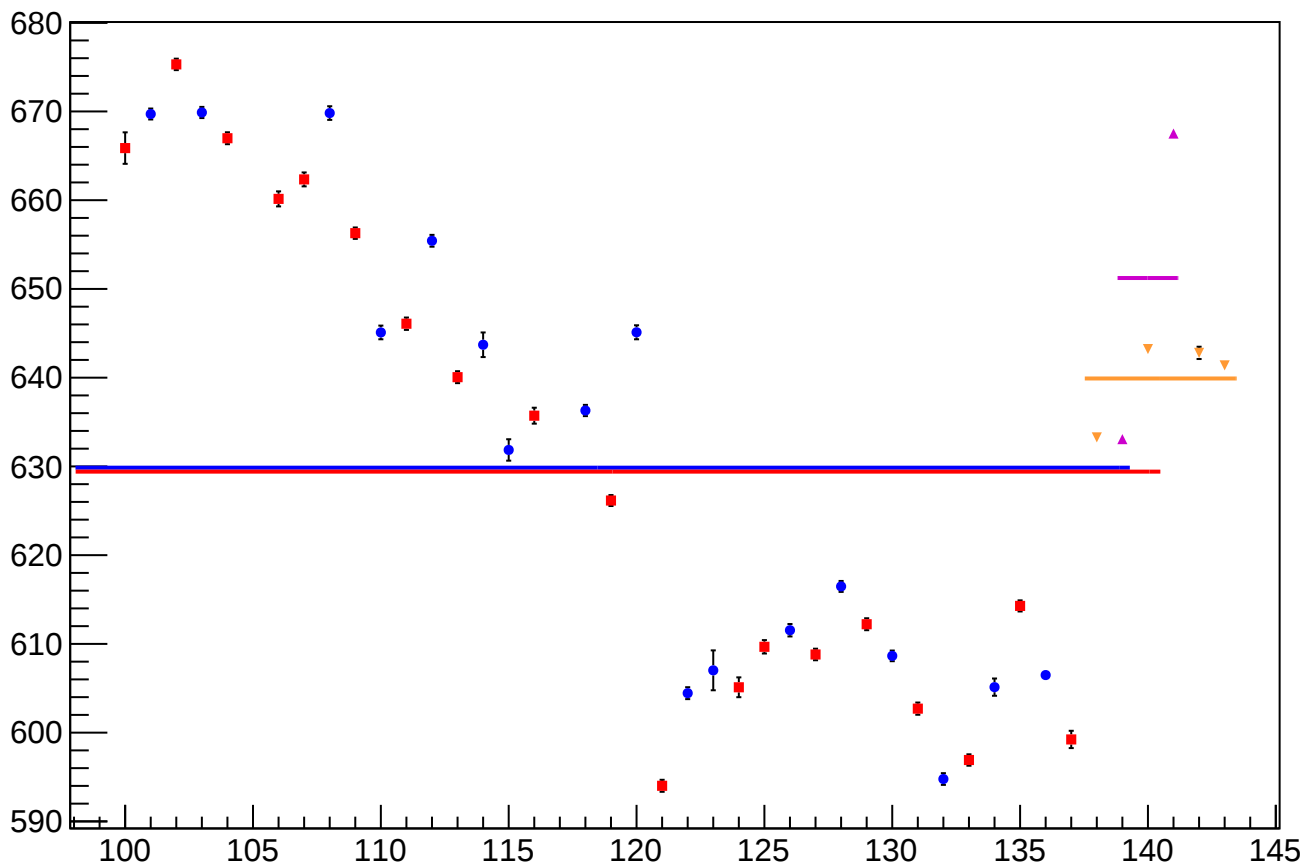
Left In: -16.055 ± 0.527 χ^2/NDF : 0.0/1

+ sign -5.652 ± 0.206 χ^2/NDF : 23430.3/20

All: 7.067 ± 0.149 χ^2/NDF : 49770.8/41

- sign 20.987 ± 0.215 χ^2/NDF : 18342.8/20

diff_bpm1i02Y_rms vs Slug



Right In: 629.857 ± 0.172 $\chi^2/\text{NDF}: 23252.7/16$

Left Out: 639.909 ± 0.274 $\chi^2/\text{NDF}: 229.5/3$

Right Out: 629.413 ± 0.167 $\chi^2/\text{NDF}: 25484.3/18$

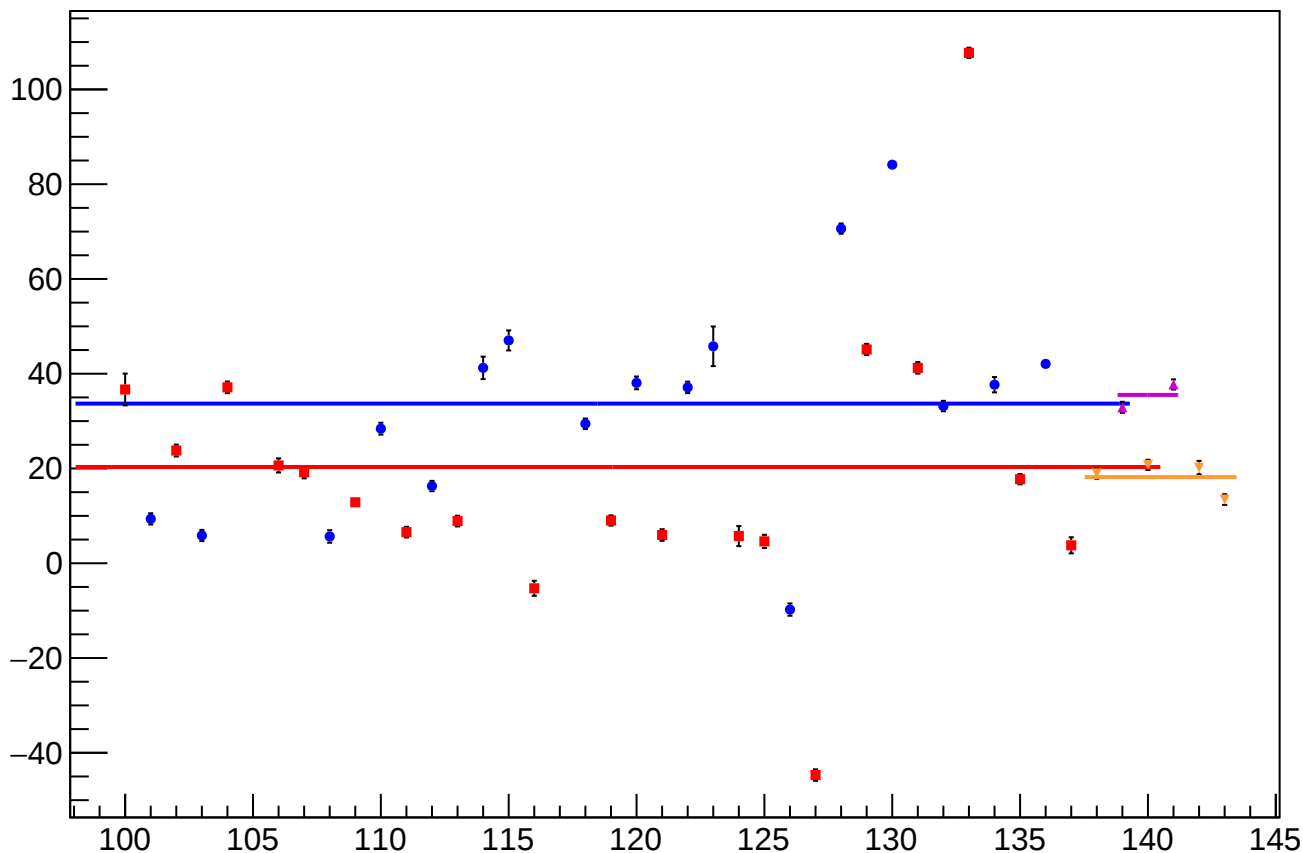
Left In: 651.230 ± 0.373 $\chi^2/\text{NDF}: 2124.4/1$

+ sign 632.703 ± 0.146 $\chi^2/\text{NDF}: 24450.3/20$

All: 632.868 ± 0.105 $\chi^2/\text{NDF}: 54913.2/41$

- sign 633.048 ± 0.152 $\chi^2/\text{NDF}: 30460.3/20$

diff_bpm1i04X_mean vs Slug



Right In: 33.692 $\pm$ 0.300 χ^2 /NDF: 6428.2/16

Left Out: 18.189 $\pm$ 0.586 χ^2 /NDF: 25.8/3

Right Out: 20.314 $\pm$ 0.293 χ^2 /NDF: 11278.0/18

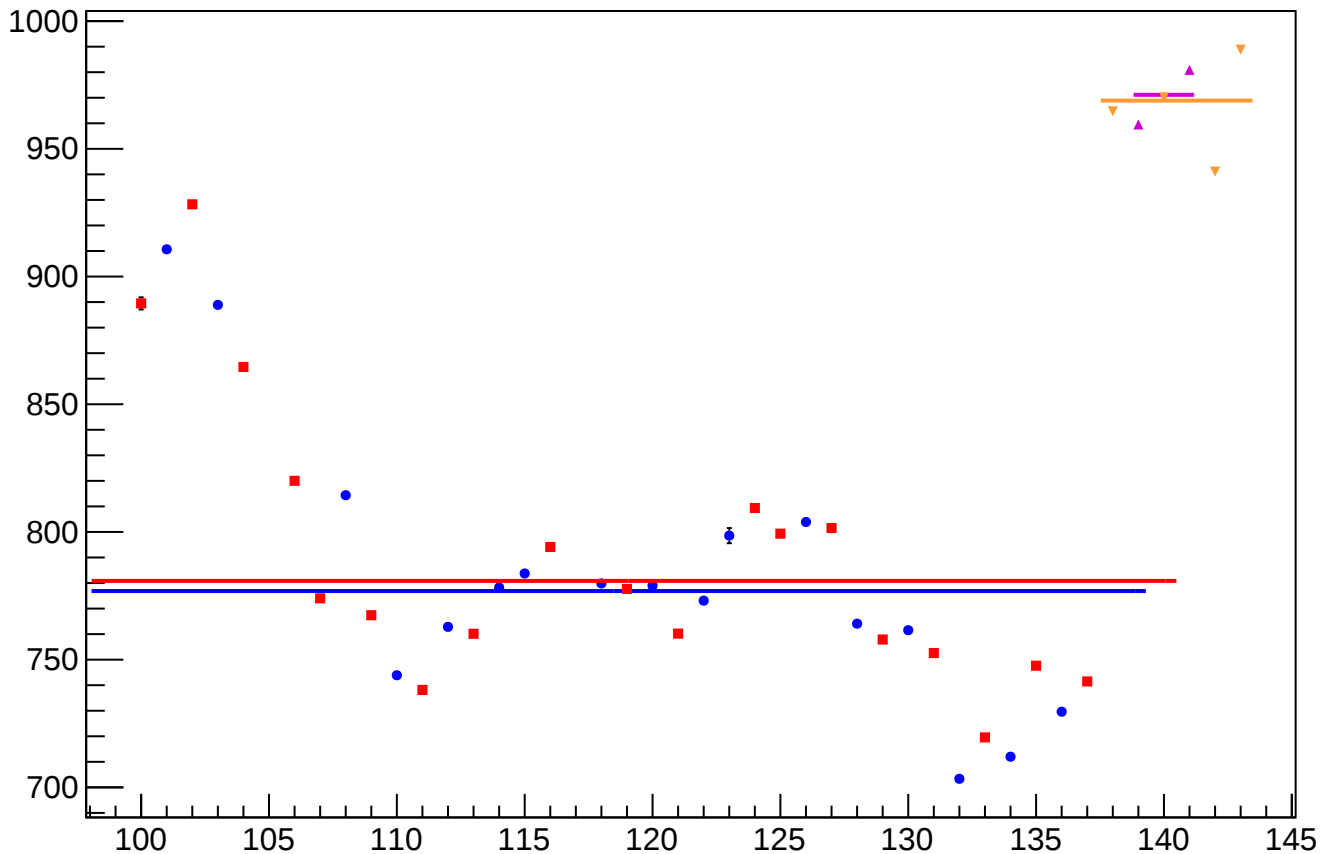
Left In: 35.527 $\pm$ 0.787 χ^2 /NDF: 9.3/1

+ sign 30.466 $\pm$ 0.267 χ^2 /NDF: 7008.2/20

All: 26.427 $\pm$ 0.192 χ^2 /NDF: 19092.8/41

- sign 22.167 $\pm$ 0.275 χ^2 /NDF: 11615.8/20

diff_bpm1i04X_rms vs Slug



Right In: 776.869 $\pm$ 0.212 χ^2 /NDF: 67447.3/16

Left Out: 968.888 $\pm$ 0.414 χ^2 /NDF: 1409.8/3

Right Out: 780.840 $\pm$ 0.207 χ^2 /NDF: 57297.9/18

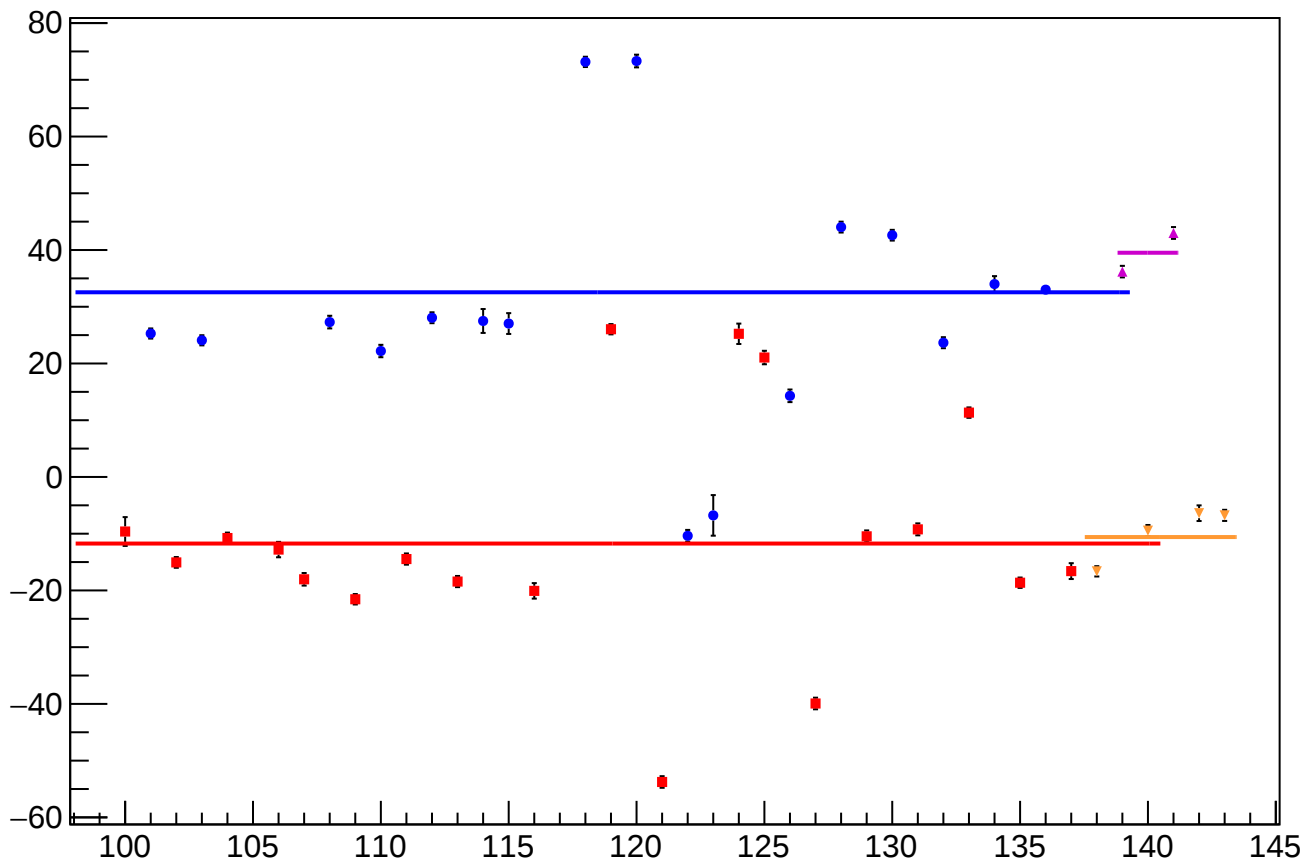
Left In: 971.143 $\pm$ 0.556 χ^2 /NDF: 365.7/1

+ sign 816.832 $\pm$ 0.189 χ^2 /NDF: 238891.5/20

All: 810.601 $\pm$ 0.135 χ^2 /NDF: 401564.2/41

- sign 804.028 $\pm$ 0.194 χ^2 /NDF: 160440.4/20

diff_bpm1i04Y_mean vs Slug



Right In: 32.550 ± 0.253 χ^2/NDF : 6077.4/16

Left Out: -10.592 ± 0.515 χ^2/NDF : 69.9/3

Right Out: -11.737 ± 0.247 χ^2/NDF : 6313.2/18

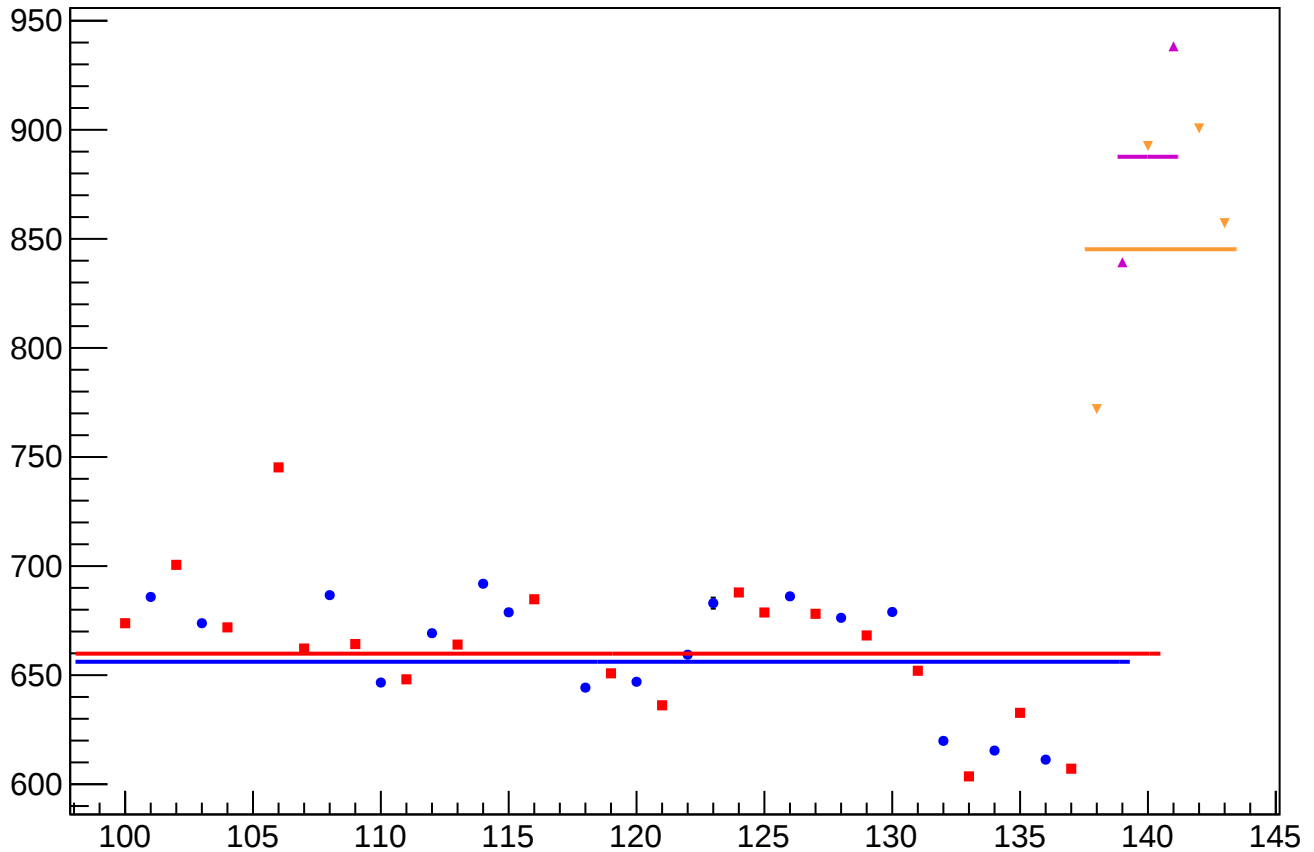
Left In: 39.519 ± 0.728 χ^2/NDF : 21.8/1

+ sign 24.145 ± 0.227 χ^2/NDF : 11799.5/20

All: 9.318 ± 0.163 χ^2/NDF : 31351.0/41

- sign -6.436 ± 0.234 χ^2/NDF : 10773.6/20

diff_bpm1i04Y_rms vs Slug



Right In: 656.132 $\pm$ 0.179 χ^2 /NDF: 23518.0/16

Left Out: 845.251 $\pm$ 0.364 χ^2 /NDF: 20977.9/3

Right Out: 659.855 $\pm$ 0.175 χ^2 /NDF: 28270.5/18

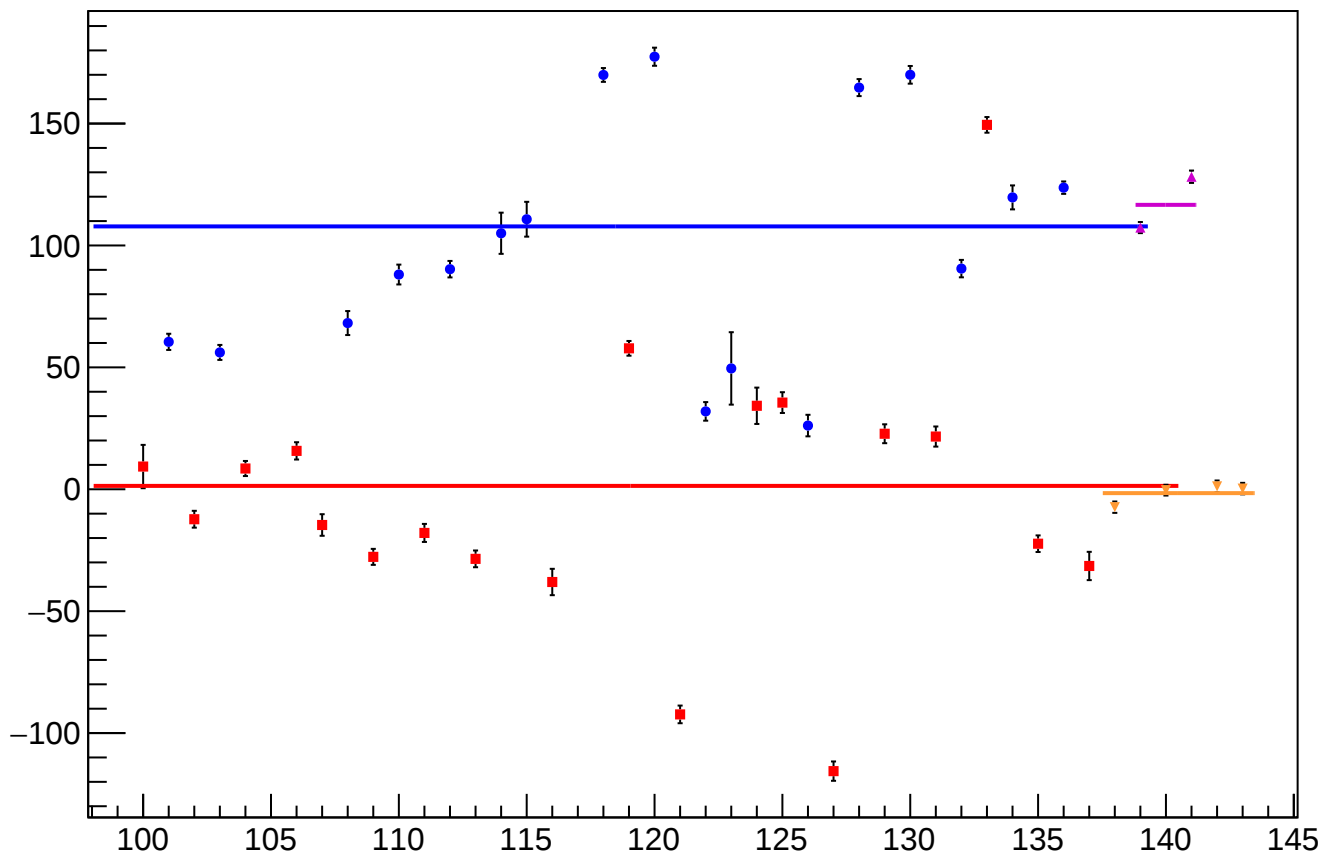
Left In: 887.647 $\pm$ 0.515 χ^2 /NDF: 9228.8/1

+ sign 692.976 $\pm$ 0.161 χ^2 /NDF: 261722.9/20

All: 688.339 $\pm$ 0.115 χ^2 /NDF: 476272.2/41

- sign 683.413 $\pm$ 0.166 χ^2 /NDF: 212832.5/20

diff_bpm1i06X_mean vs Slug



Right In: 107.816 ± 0.923 χ^2/NDF : 2815.8/16

Left Out: -1.582 ± 1.163 χ^2/NDF : 8.3/3

Right Out: 1.388 ± 0.885 χ^2/NDF : 4515.0/18

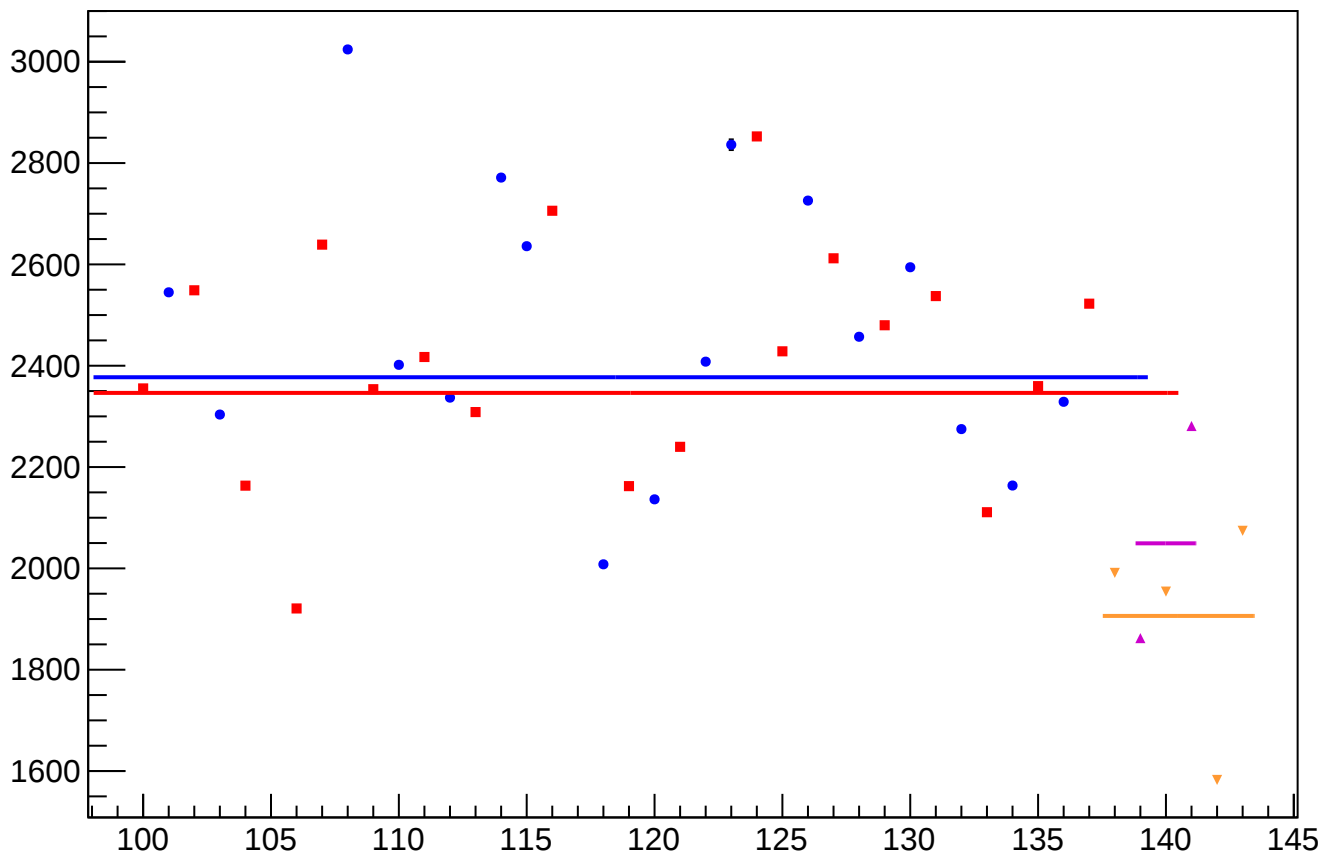
Left In: 116.656 ± 1.694 χ^2/NDF : 37.5/1

+ sign 65.517 ± 0.723 χ^2/NDF : 8254.9/20

All: 47.412 ± 0.532 χ^2/NDF : 17811.2/41

- sign 26.102 ± 0.784 χ^2/NDF : 8190.8/20

diff_bpm1i06X_rms vs Slug



Right In: 2377.271 $\pm$ 0.653 χ^2 /NDF: 119441.2/16

Left Out: 1906.164 $\pm$ 0.822 χ^2 /NDF: 49726.9/3

Right Out: 2346.354 $\pm$ 0.626 χ^2 /NDF: 108612.6/18

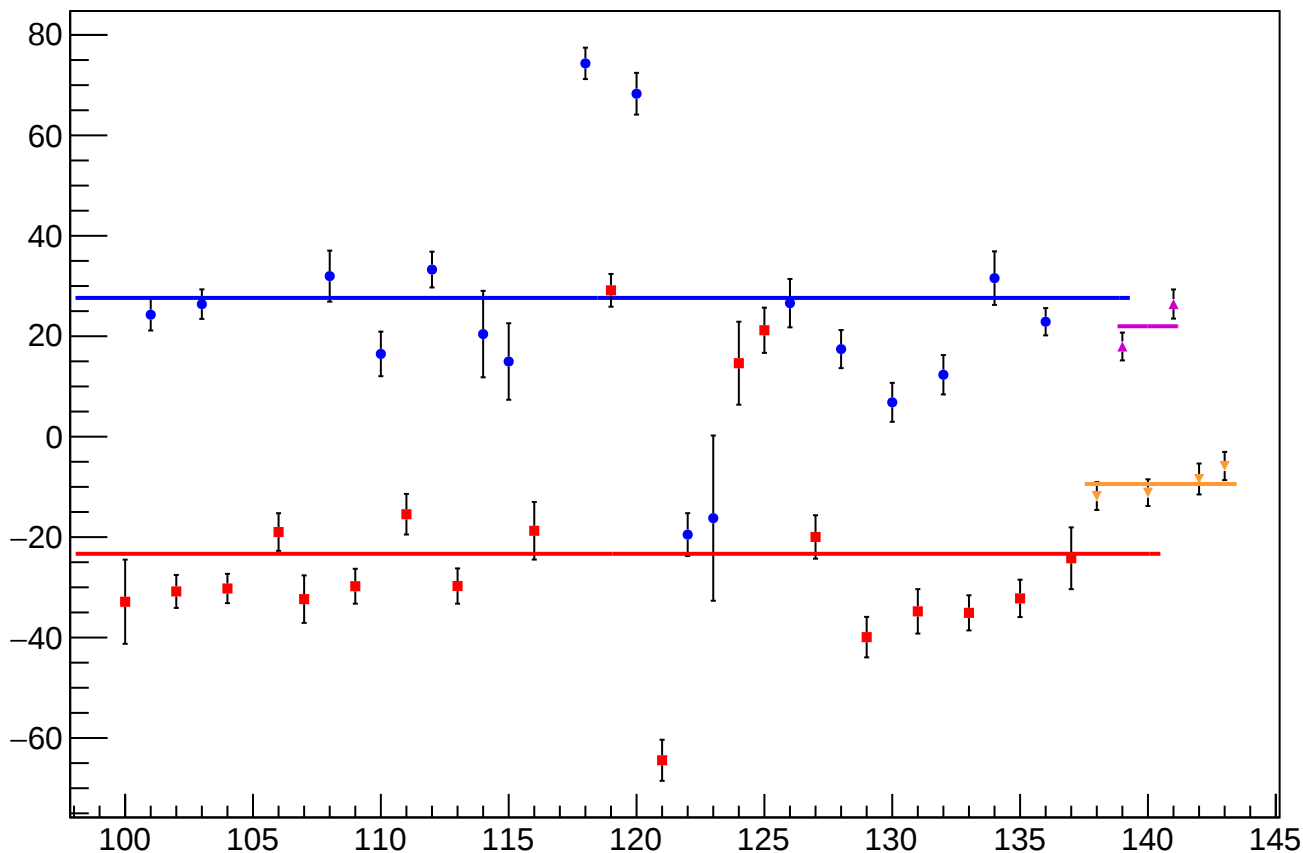
Left In: 2049.443 $\pm$ 1.198 χ^2 /NDF: 30203.0/1

+ sign 2195.118 $\pm$ 0.511 χ^2 /NDF: 370590.2/20

All: 2235.346 $\pm$ 0.376 χ^2 /NDF: 571167.5/41

- sign 2282.693 $\pm$ 0.555 χ^2 /NDF: 187095.6/20

diff_bpm1i06Y_mean vs Slug



Right In: 27.633 ± 0.976 χ^2/NDF : 517.1/16

Left Out: -9.419 ± 1.407 χ^2/NDF : 2.9/3

Right Out: -23.322 ± 0.929 χ^2/NDF : 548.2/18

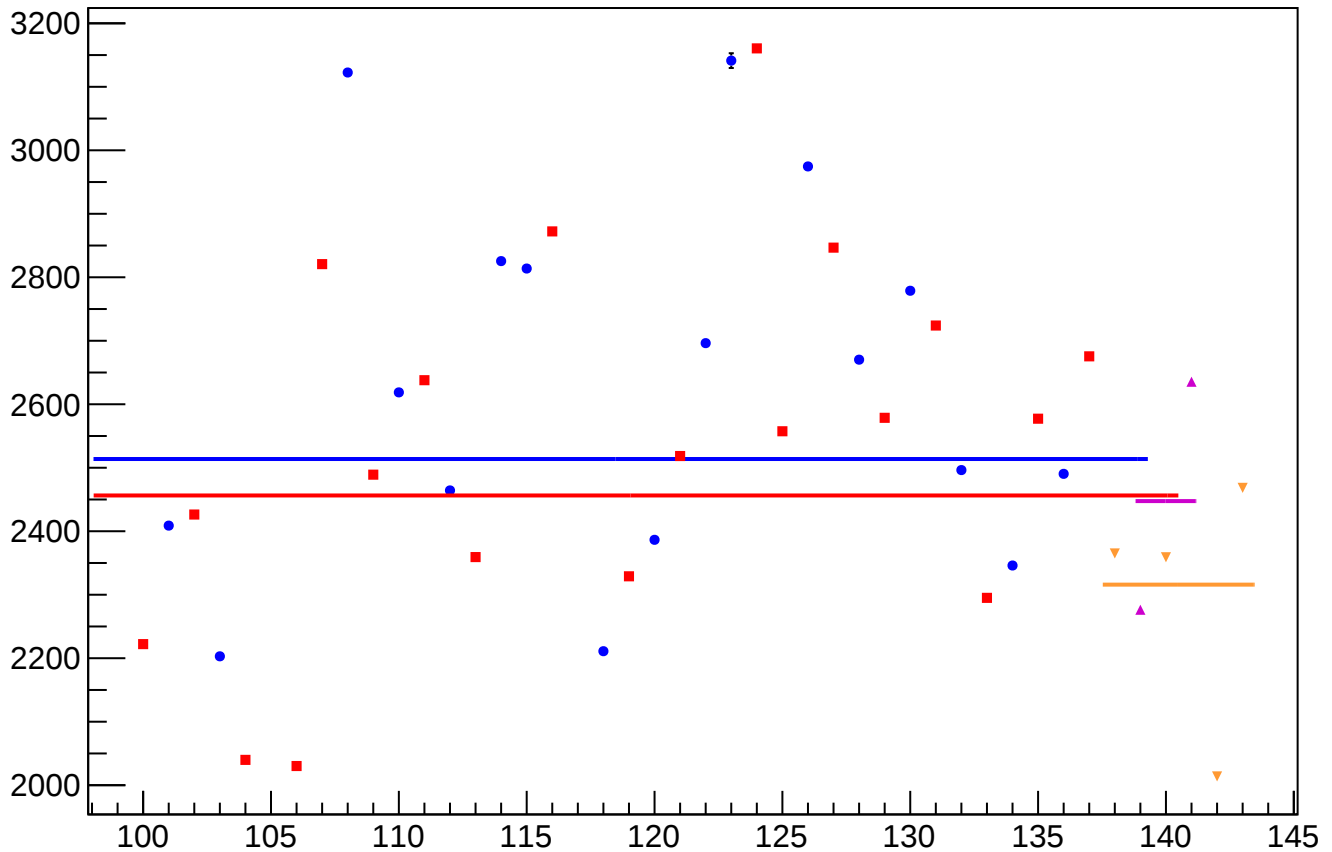
Left In: 21.985 ± 2.004 χ^2/NDF : 4.4/1

+ sign 15.595 ± 0.802 χ^2/NDF : 987.9/20

All: 0.897 ± 0.581 χ^2/NDF : 2667.4/41

- sign -15.313 ± 0.842 χ^2/NDF : 973.5/20

diff_bpm1i06Y_rms vs Slug



Right In: 2513.762 ± 0.690 χ^2/NDF : 120863.4/16

Left Out: 2315.897 ± 0.995 χ^2/NDF : 26303.6/3

+ sign 2449.477 ± 0.567 χ^2/NDF : 173854.0/20

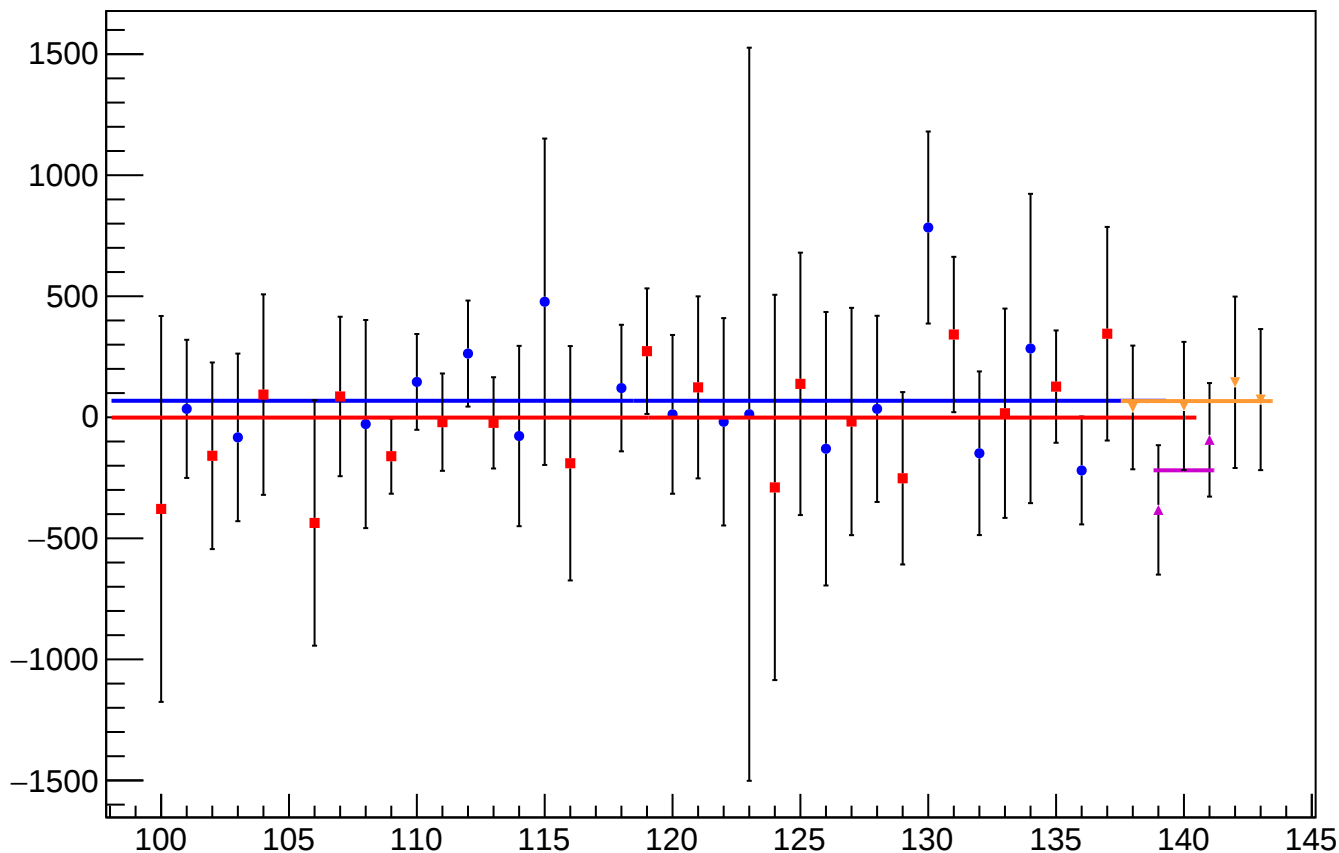
Right Out: 2456.343 ± 0.657 χ^2/NDF : 149877.3/18

All: 2451.997 ± 0.411 χ^2/NDF : 339829.0/41

- sign 2454.777 ± 0.596 χ^2/NDF : 165933.5/20

Left In: 2447.483 ± 1.417 χ^2/NDF : 16024.0/1

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 68.238+/-79.240 χ^2/NDF : 7.4/16

Left Out: 67.028+/-142.354 χ^2/NDF : 0.1/3

Right Out: -1.201+/-69.991 χ^2/NDF : 6.5/18

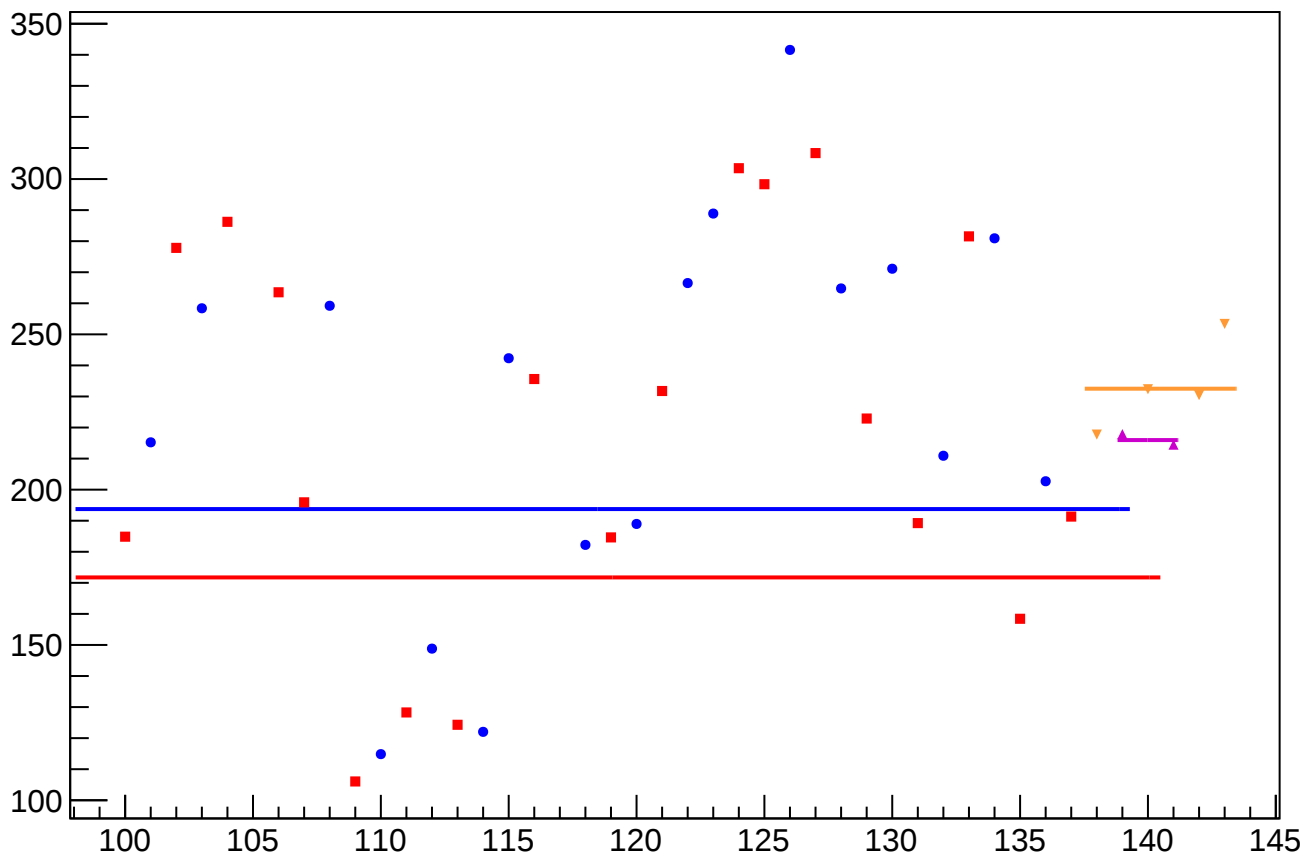
Left In: -219.009+/-176.281 χ^2/NDF : 0.7/1

+ sign 67.951+/-69.236 χ^2/NDF : 7.5/20

All: 15.469+/-47.409 χ^2/NDF : 17.0/41

- sign -30.860+/-65.051 χ^2/NDF : 8.5/20

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.749 $\pm$ 0.056 χ^2 /NDF: 1011115.2/16

Left Out: 232.506 $\pm$ 0.101 χ^2 /NDF:17004.1/3

Right Out: 171.741 $\pm$ 0.049 χ^2 /NDF: 1571422.7/18

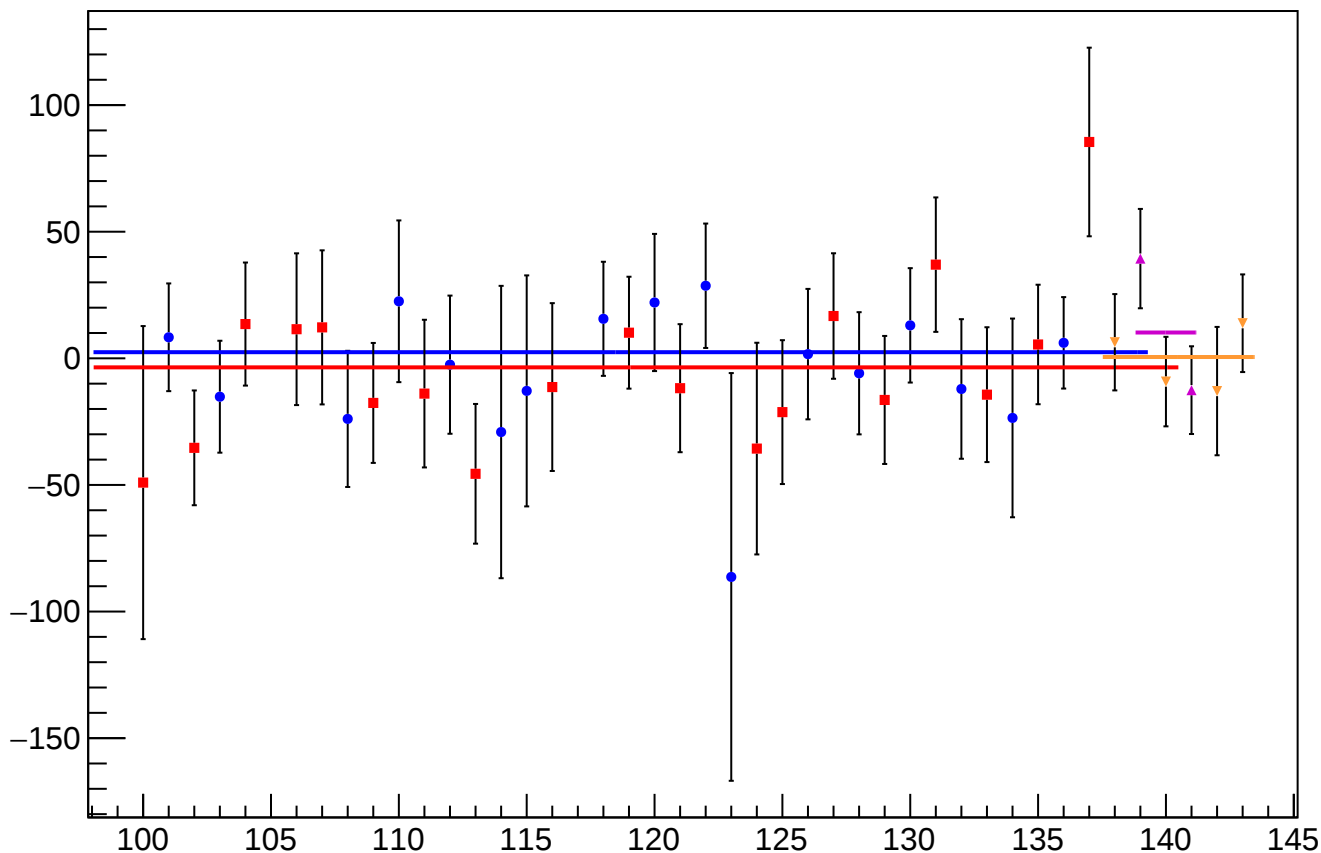
Left In: 215.964 $\pm$ 0.125 χ^2 /NDF:182.7/1

+ sign 202.917 $\pm$ 0.049 χ^2 /NDF: 1141299.0/20

All: 189.557 $\pm$ 0.034 χ^2 /NDF: 2961843.3/41

- sign 177.763 $\pm$ 0.046 χ^2 /NDF: 1680334.3/20

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.423 ± 6.440 χ^2/NDF : 6.8/16

Left Out: 0.516 ± 9.896 χ^2/NDF : 1.2/3

Right Out: -3.569 ± 6.294 χ^2/NDF : 17.1/18

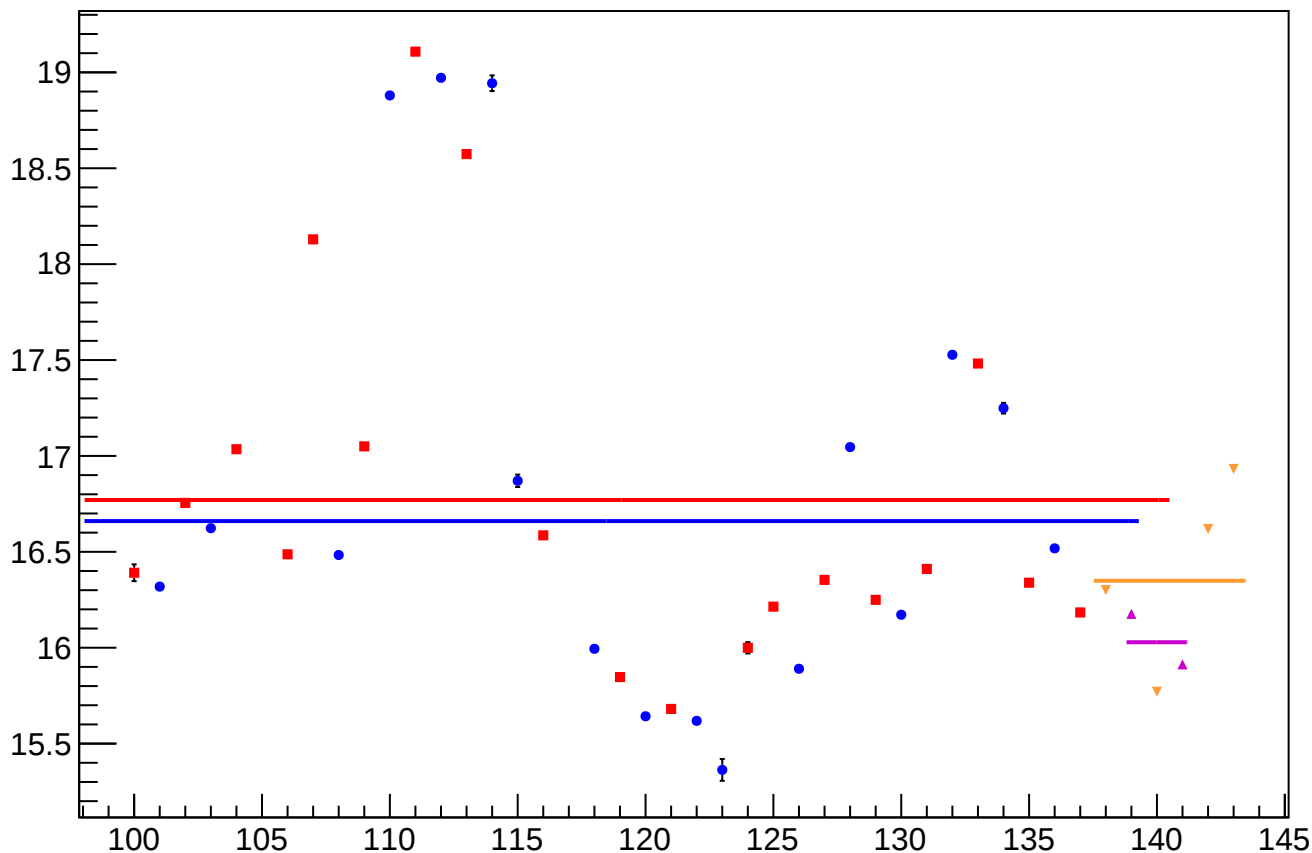
Left In: 10.193 ± 12.986 χ^2/NDF : 3.9/1

+ sign 1.855 ± 5.398 χ^2/NDF : 8.0/20

All: 0.519 ± 3.907 χ^2/NDF : 30.1/41

- sign -0.951 ± 5.664 χ^2/NDF : 22.0/20

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.660 $\pm$ 0.005 χ^2 /NDF: 42269.4/16

Left Out: 16.349 $\pm$ 0.007 χ^2 /NDF: 4210.6/3

Right Out: 16.770 $\pm$ 0.004 χ^2 /NDF: 39259.2/18

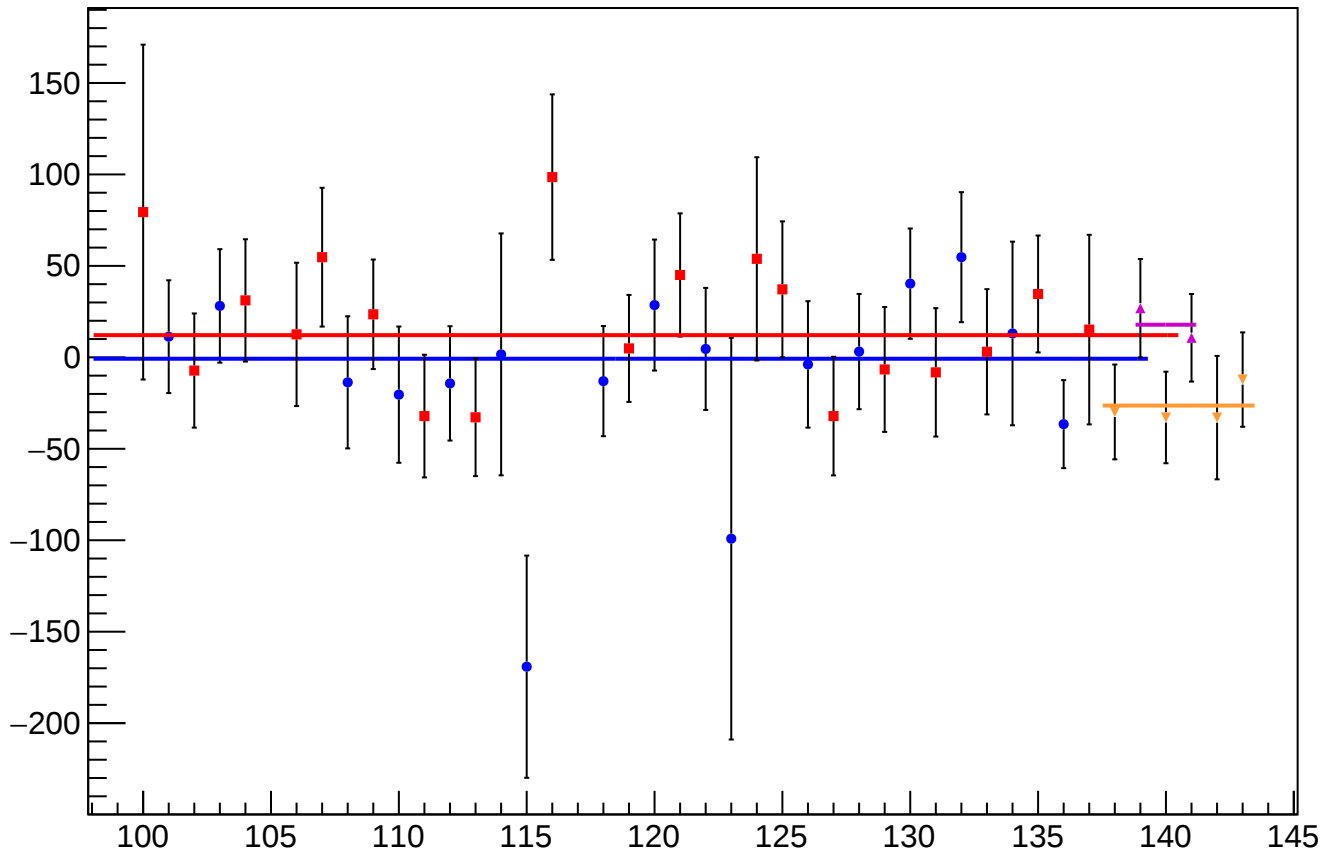
Left In: 16.029 $\pm$ 0.009 χ^2 /NDF: 202.4/1

+ sign 16.568 $\pm$ 0.004 χ^2 /NDF: 47868.6/20

All: 16.597 $\pm$ 0.003 χ^2 /NDF: 92736.5/41

- sign 16.629 $\pm$ 0.004 χ^2 /NDF: 44744.2/20

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -0.764 ± 8.505 χ^2/NDF : 17.6/16

Left Out: -26.371 ± 13.527 χ^2/NDF : 0.4/3

Right Out: 12.135 ± 8.228 χ^2/NDF : 15.1/18

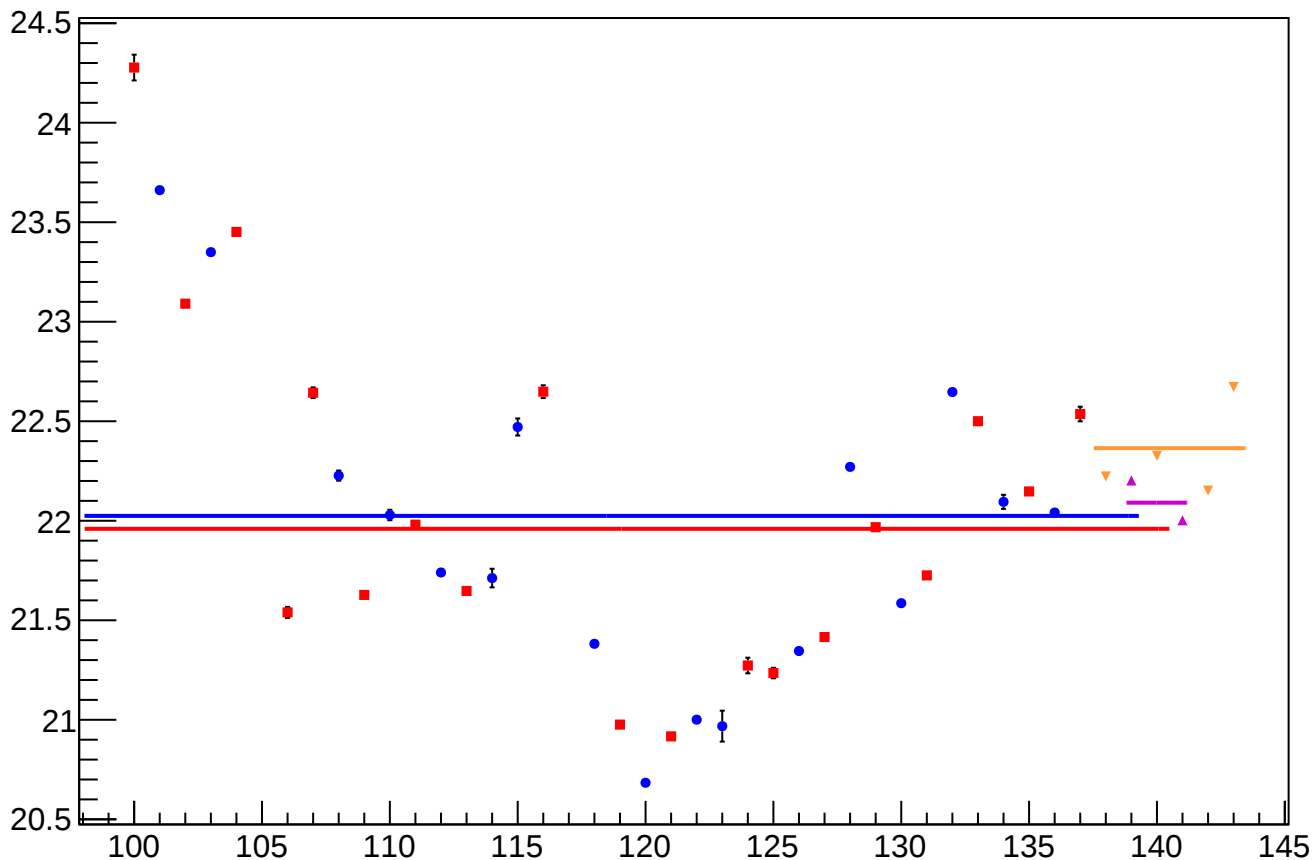
Left In: 17.832 ± 17.889 χ^2/NDF : 0.2/1

+ sign -8.020 ± 7.200 χ^2/NDF : 20.6/20

All: 2.159 ± 5.186 χ^2/NDF : 40.1/41

- sign 13.130 ± 7.476 χ^2/NDF : 15.4/20

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 22.024 $\pm$ 0.006 χ^2 /NDF: 17381.0/16

Left Out: 22.365 $\pm$ 0.010 χ^2 /NDF: 428.6/3

Right Out: 21.960 $\pm$ 0.006 χ^2 /NDF: 16383.4/18

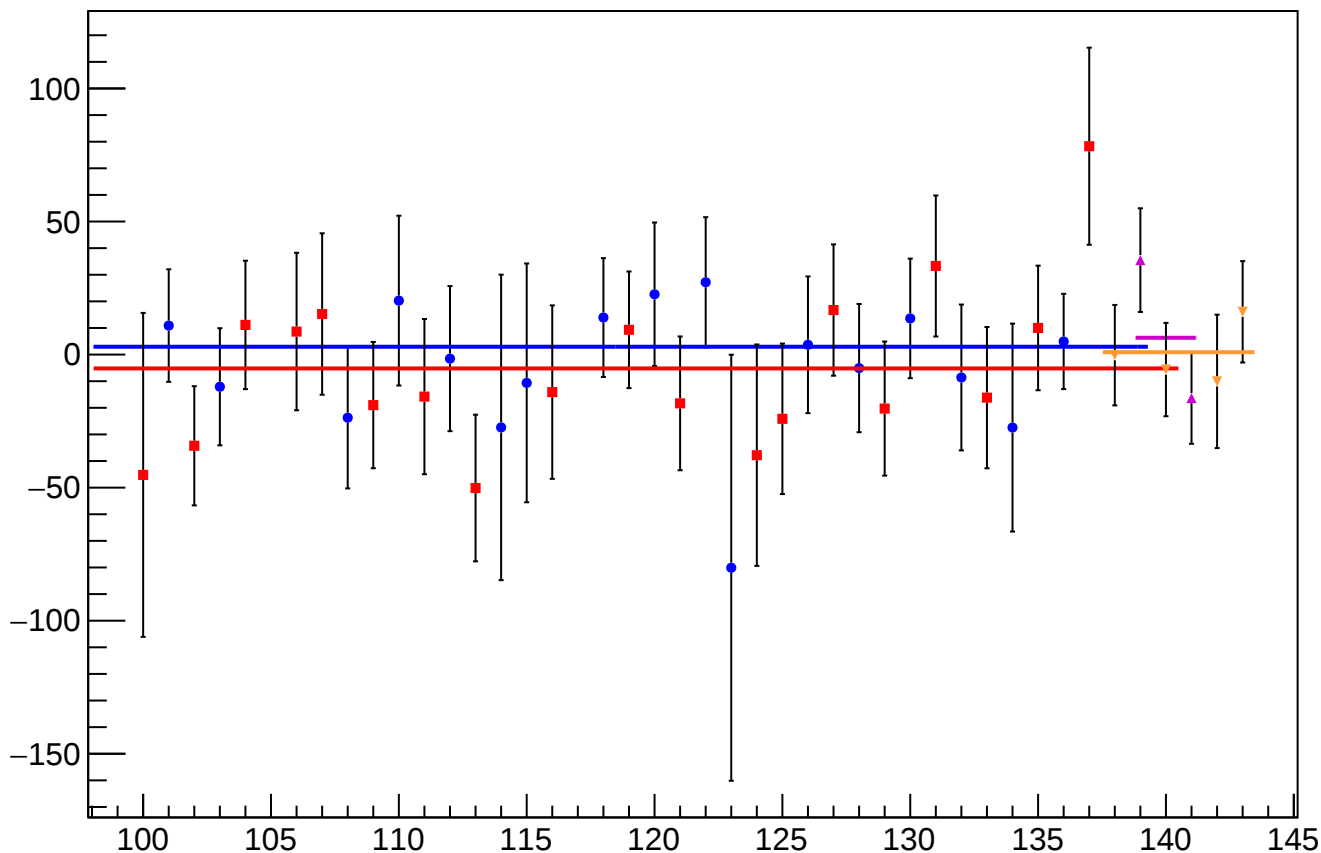
Left In: 22.091 $\pm$ 0.013 χ^2 /NDF: 61.7/1

+ sign 22.121 $\pm$ 0.005 χ^2 /NDF: 18717.2/20

All: 22.054 $\pm$ 0.004 χ^2 /NDF: 35606.8/41

- sign 21.983 $\pm$ 0.005 χ^2 /NDF: 16534.0/20

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.948 $\pm$ 6.404 χ^2 /NDF: 6.3/16

Left Out: 0.900 $\pm$ 9.803 χ^2 /NDF:1.0/3

Right Out: -5.199 $\pm$ 6.258 χ^2 /NDF: 17.2/18

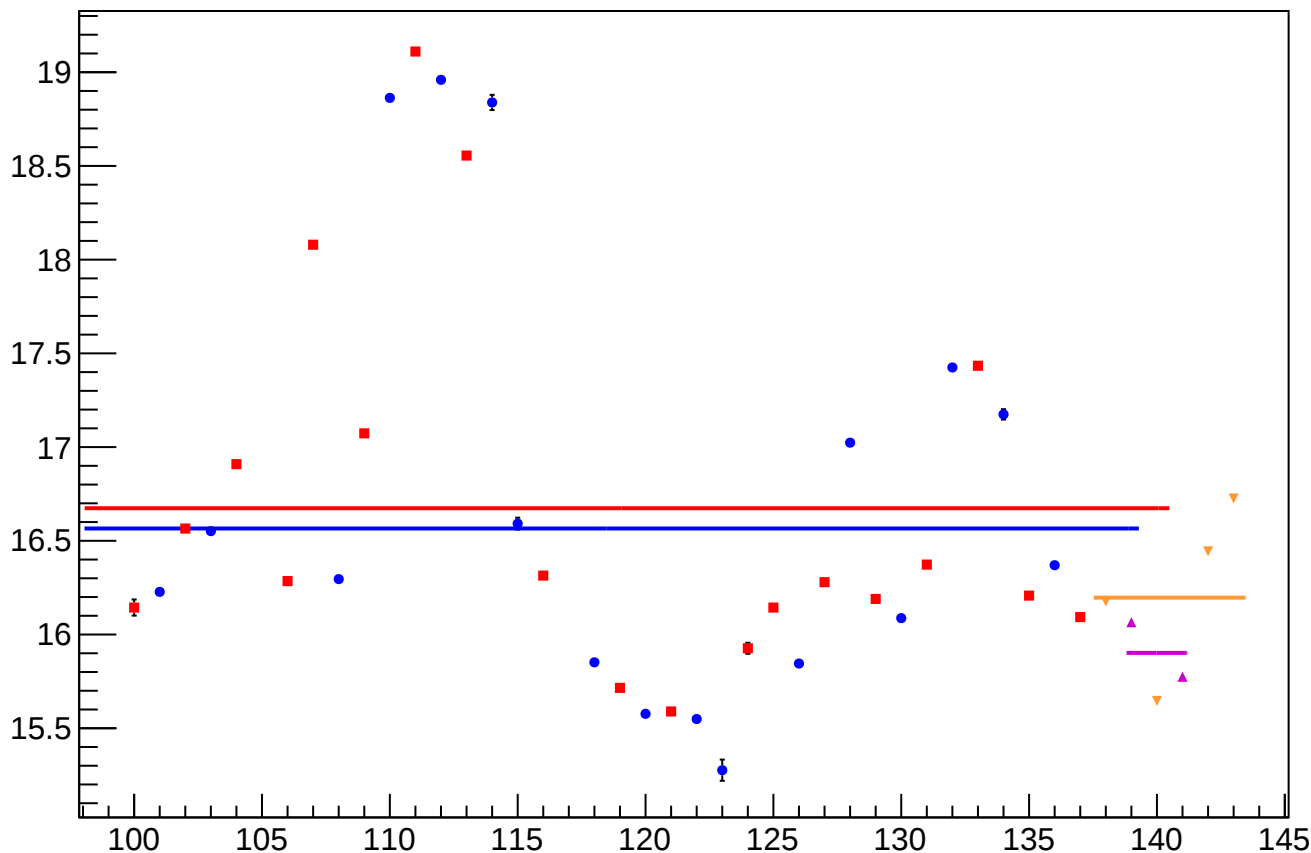
Left In: 6.319 $\pm$ 12.884 χ^2 /NDF:4.0/1

+ sign 2.336 $\pm$ 5.361 χ^2 /NDF: 7.3/20

All: -0.202 $\pm$ 3.882 χ^2 /NDF: 29.5/41

- sign -3.001 $\pm$ 5.629 χ^2 /NDF: 21.8/20

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 16.566 $\pm$ 0.005 χ^2 /NDF: 44242.8/16

Left Out: 16.197 $\pm$ 0.007 χ^2 /NDF: 3715.8/3

Right Out: 16.674 $\pm$ 0.004 χ^2 /NDF: 42453.5/18

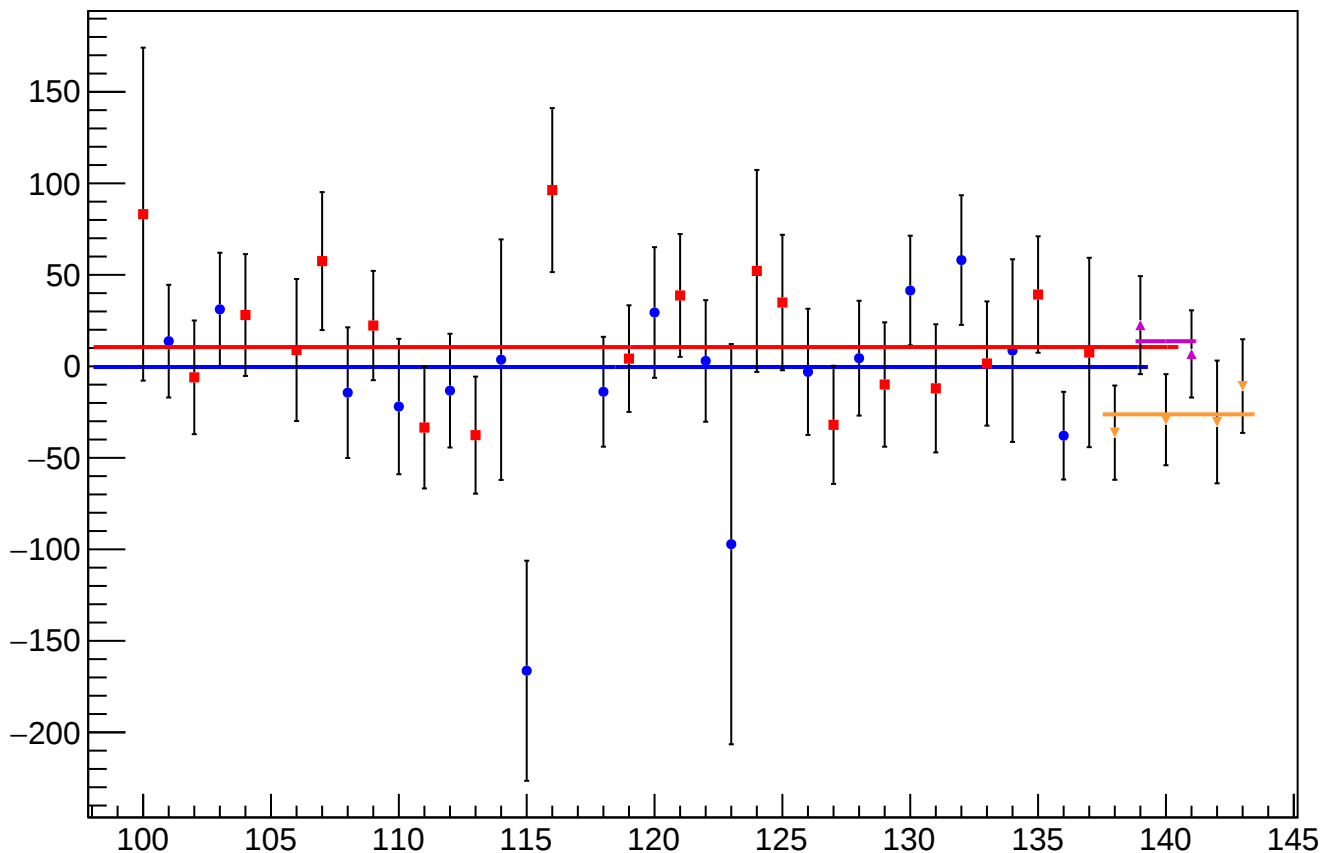
Left In: 15.902 $\pm$ 0.009 χ^2 /NDF: 250.8/1

+ sign 16.455 $\pm$ 0.004 χ^2 /NDF: 49945.0/20

All: 16.489 $\pm$ 0.003 χ^2 /NDF: 98624.4/41

- sign 16.526 $\pm$ 0.004 χ^2 /NDF: 48511.9/20

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -0.358 ± 8.465 χ^2/NDF : 18.4/16

Left Out: -26.220 ± 13.439 χ^2/NDF : 0.5/3

Right Out: 10.548 ± 8.187 χ^2/NDF : 15.7/18

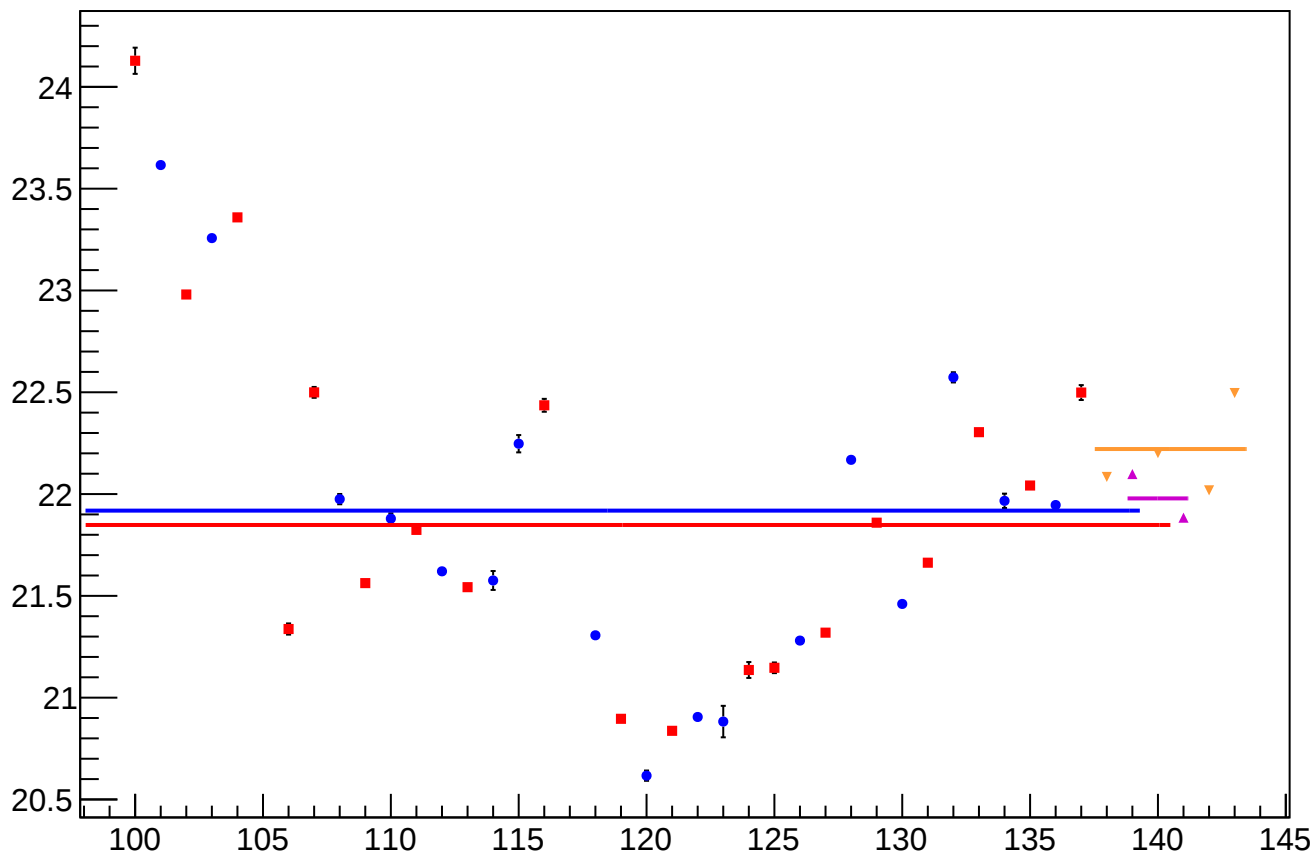
Left In: 13.740 ± 17.798 χ^2/NDF : 0.2/1

+ sign -7.703 ± 7.162 χ^2/NDF : 21.6/20

All: 1.347 ± 5.159 χ^2/NDF : 40.9/41

- sign 11.105 ± 7.438 χ^2/NDF : 16.0/20

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.919 $\pm$ 0.006 χ^2 /NDF: 17641.8/16

Left Out: 22.221 $\pm$ 0.010 χ^2 /NDF: 362.0/3

Right Out: 21.848 $\pm$ 0.006 χ^2 /NDF: 16031.9/18

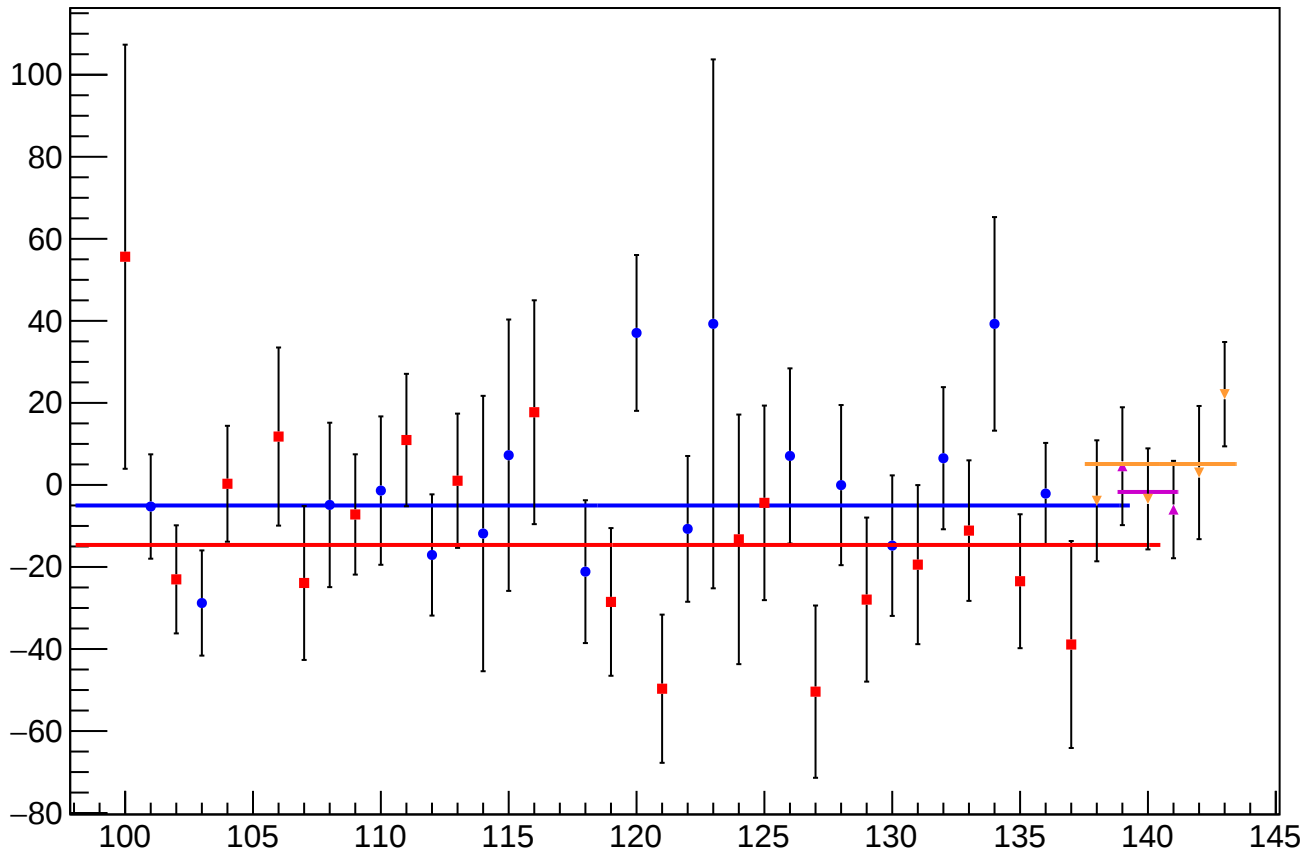
Left In: 21.979 $\pm$ 0.013 χ^2 /NDF: 71.5/1

+ sign 22.005 $\pm$ 0.005 χ^2 /NDF: 18729.6/20

All: 21.940 $\pm$ 0.004 χ^2 /NDF: 35256.9/41

- sign 21.871 $\pm$ 0.005 χ^2 /NDF: 16192.1/20

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.010 $\pm$ 4.334 χ^2/NDF : 14.8/16

Left Out: 5.102 $\pm$ 6.874 χ^2/NDF : 2.7/3

Right Out: -14.630 $\pm$ 4.270 χ^2/NDF : 19.4/18

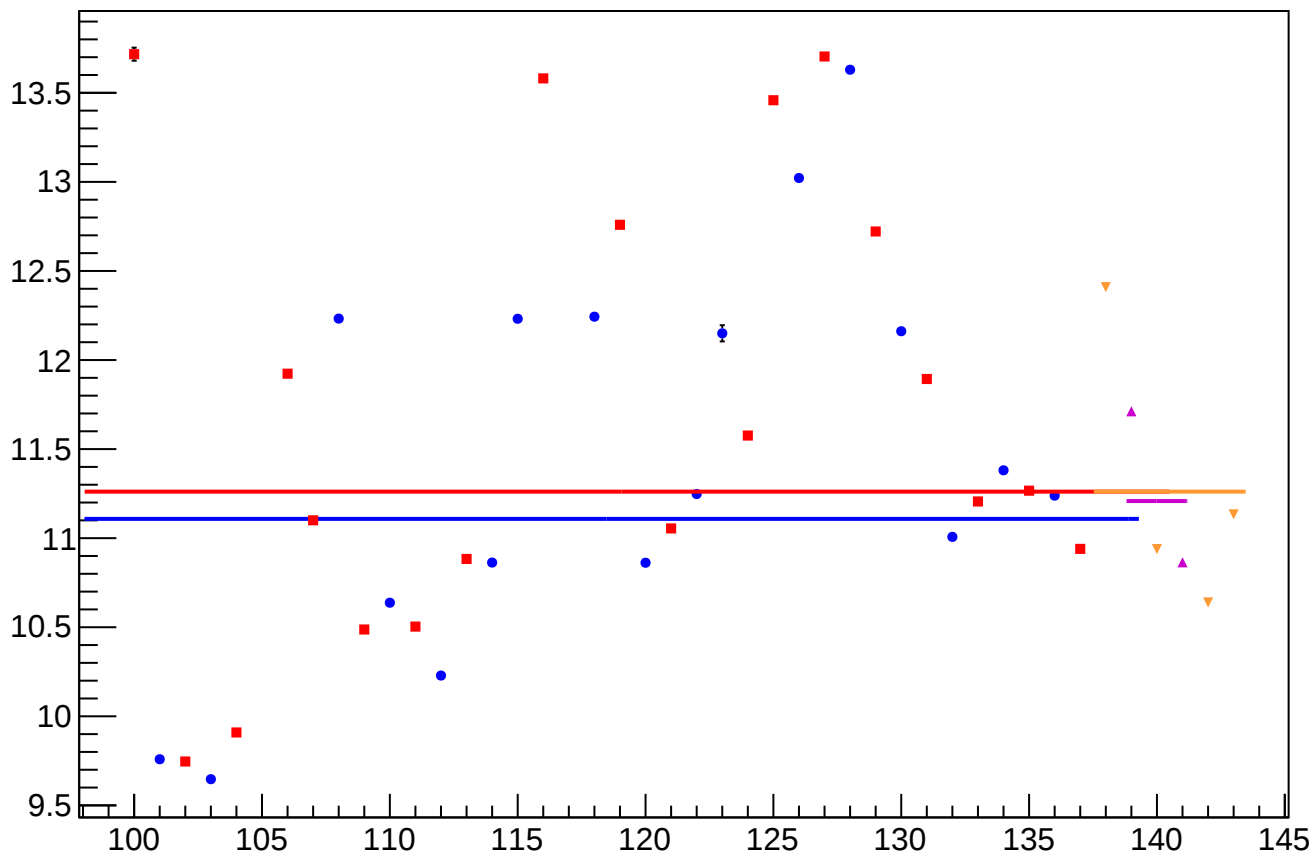
Left In: -1.713 $\pm$ 9.151 χ^2/NDF : 0.3/1

+ sign -2.134 $\pm$ 3.666 χ^2/NDF : 19.0/20

All: -6.952 $\pm$ 2.661 χ^2/NDF : 44.0/41

- sign -12.320 $\pm$ 3.870 χ^2/NDF : 21.4/20

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.108 $\pm$ 0.003 χ^2 /NDF: 132594.7/16

Left Out: 11.261 $\pm$ 0.005 χ^2 /NDF: 16624.6/3

Right Out: 11.261 $\pm$ 0.003 χ^2 /NDF: 148448.6/18

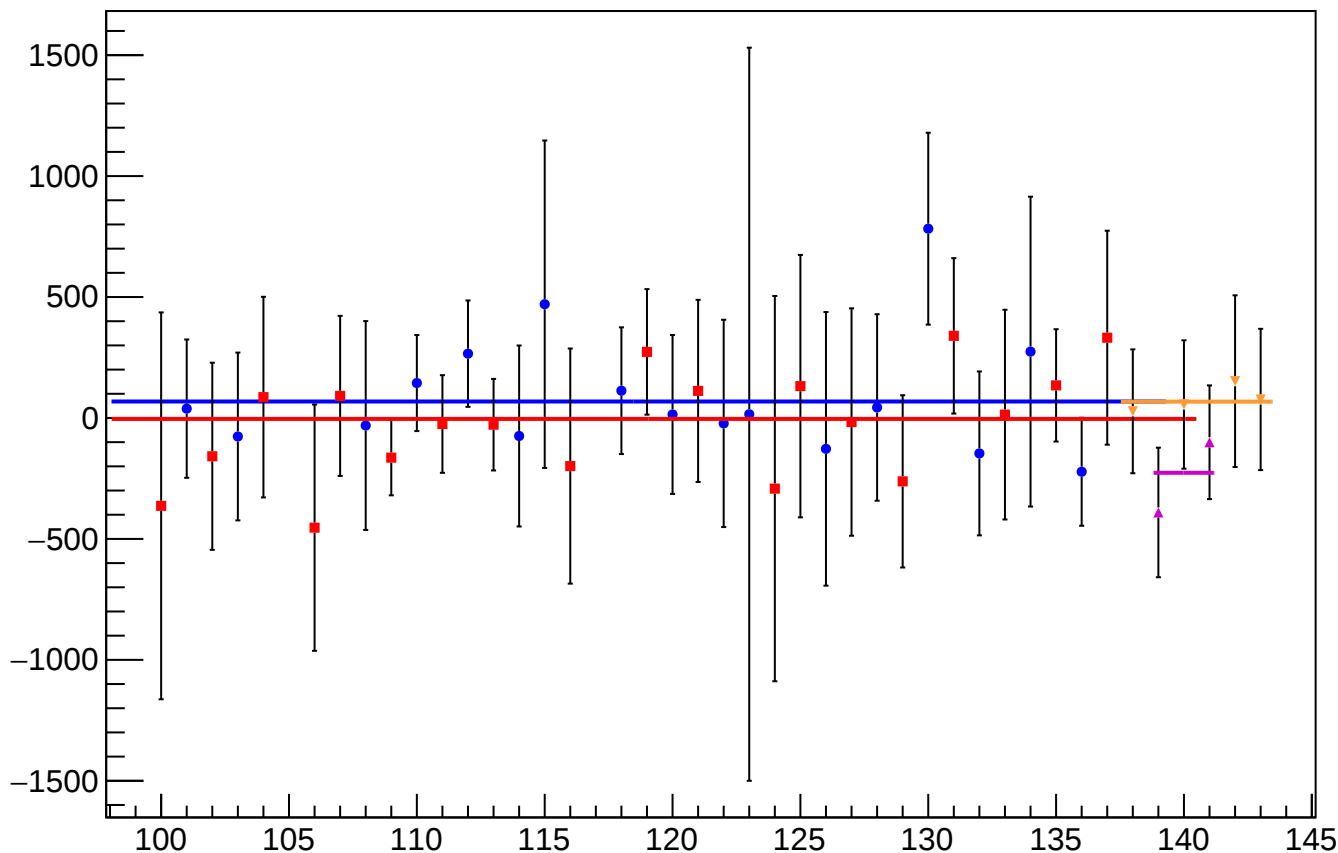
Left In: 11.208 $\pm$ 0.006 χ^2 /NDF: 4137.2/1

+ sign 11.152 $\pm$ 0.003 χ^2 /NDF: 149928.7/20

All: 11.199 $\pm$ 0.002 χ^2 /NDF: 303272.0/41

- sign 11.252 $\pm$ 0.003 χ^2 /NDF: 152640.5/20

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 68.114 $\pm$ 79.449 χ^2 /NDF: 7.4/16

Left Out: 67.559 $\pm$ 142.693 χ^2 /NDF: 0.1/3

Right Out: -3.876 $\pm$ 70.195 χ^2 /NDF: 6.5/18

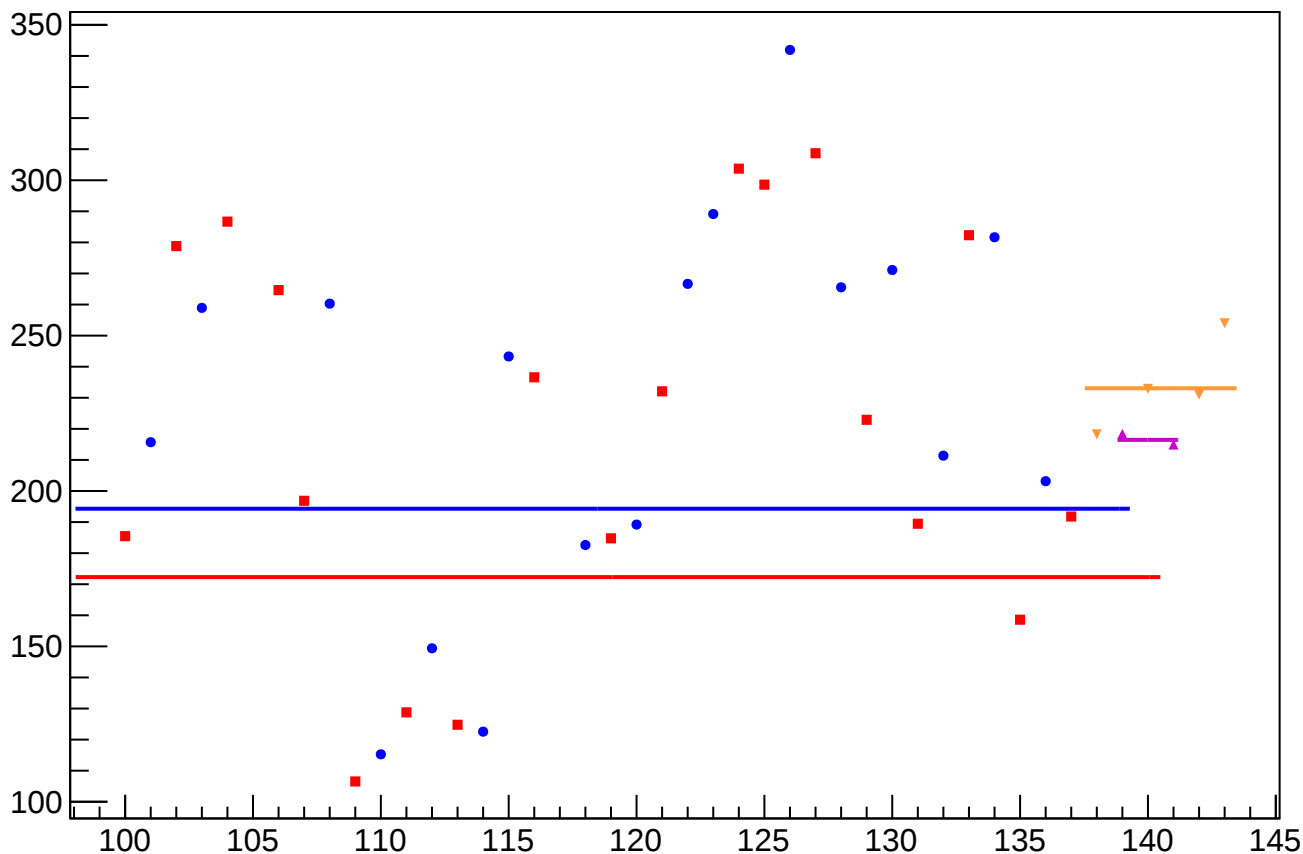
Left In: -226.665 $\pm$ 176.683 χ^2 /NDF: 0.7/1

+ sign 67.983 $\pm$ 69.415 χ^2 /NDF: 7.4/20

All: 13.697 $\pm$ 47.537 χ^2 /NDF: 17.2/41

- sign -34.247 $\pm$ 65.235 χ^2 /NDF: 8.6/20

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.298 $\pm$ 0.056 χ^2 /NDF: 1006214.8/16

Left Out: 233.059 $\pm$ 0.101 χ^2 /NDF:17030.5/3

Right Out: 172.293 $\pm$ 0.050 χ^2 /NDF: 1564135.2/18

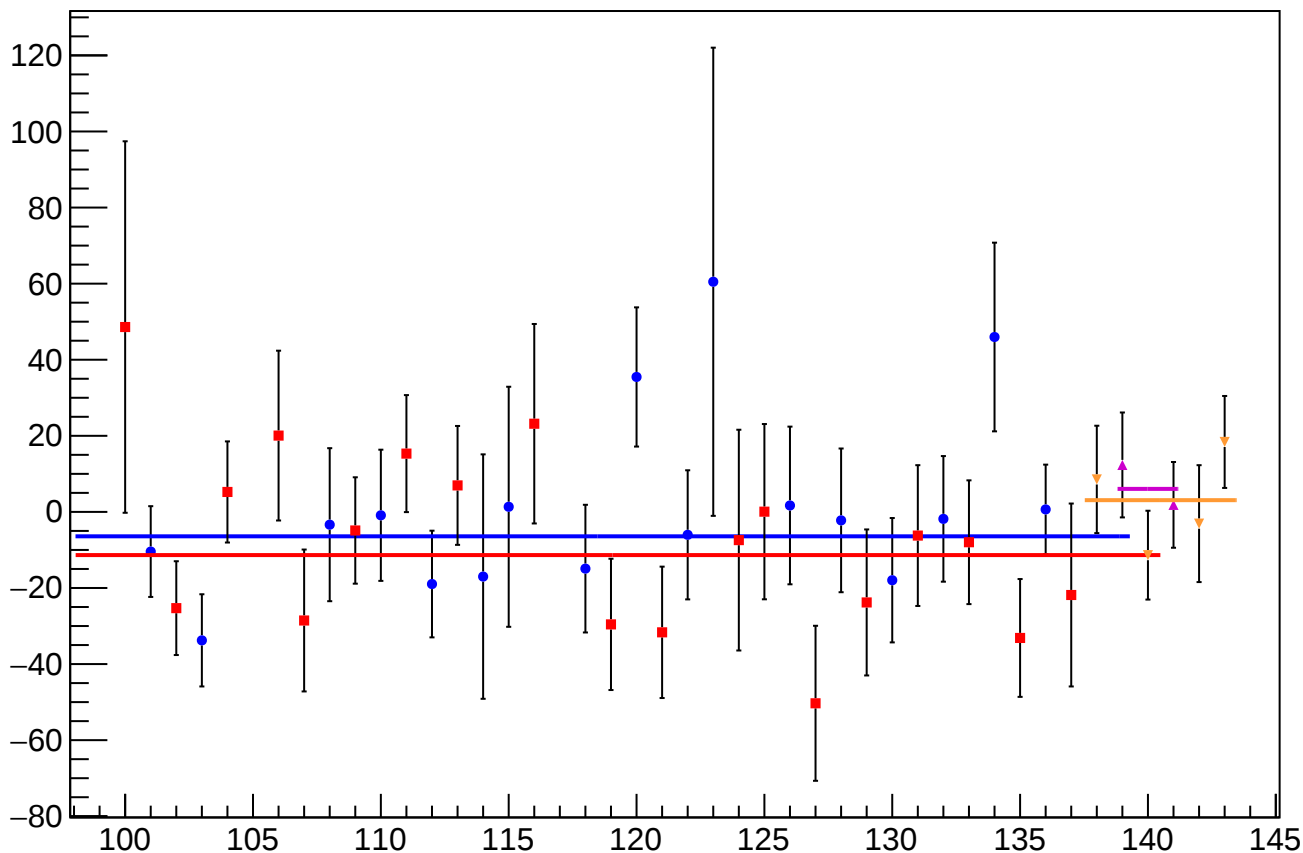
Left In: 216.456 $\pm$ 0.125 χ^2 /NDF:182.8/1

+ sign 203.470 $\pm$ 0.049 χ^2 /NDF: 1135896.4/20

All: 190.112 $\pm$ 0.034 χ^2 /NDF: 2947628.9/41

- sign 178.313 $\pm$ 0.046 χ^2 /NDF: 1672240.4/20

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.419 ± 4.138 χ^2/NDF : 18.6/16

Left Out: 3.084 ± 6.532 χ^2/NDF : 3.4/3

Right Out: -11.351 ± 4.084 χ^2/NDF : 22.6/18

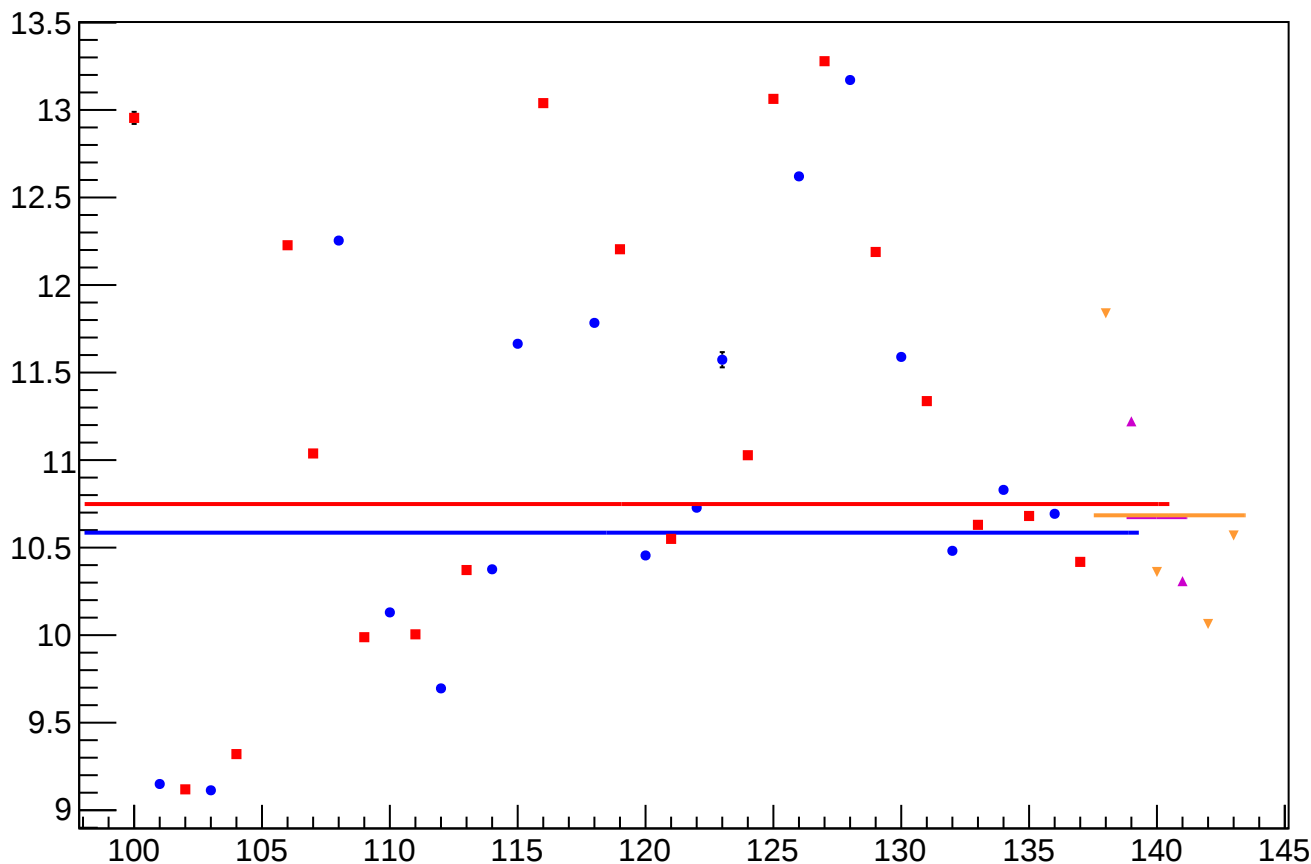
Left In: 6.050 ± 8.727 χ^2/NDF : 0.3/1

+ sign -3.697 ± 3.496 χ^2/NDF : 23.5/20

All: -5.833 ± 2.541 χ^2/NDF : 50.6/41

- sign -8.224 ± 3.699 χ^2/NDF : 26.2/20

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.585 $\pm$ 0.003 χ^2/NDF : 159813.8/16

Left Out: 10.685 $\pm$ 0.005 χ^2/NDF : 18351.4/3

Right Out: 10.749 $\pm$ 0.003 χ^2/NDF : 177905.9/18

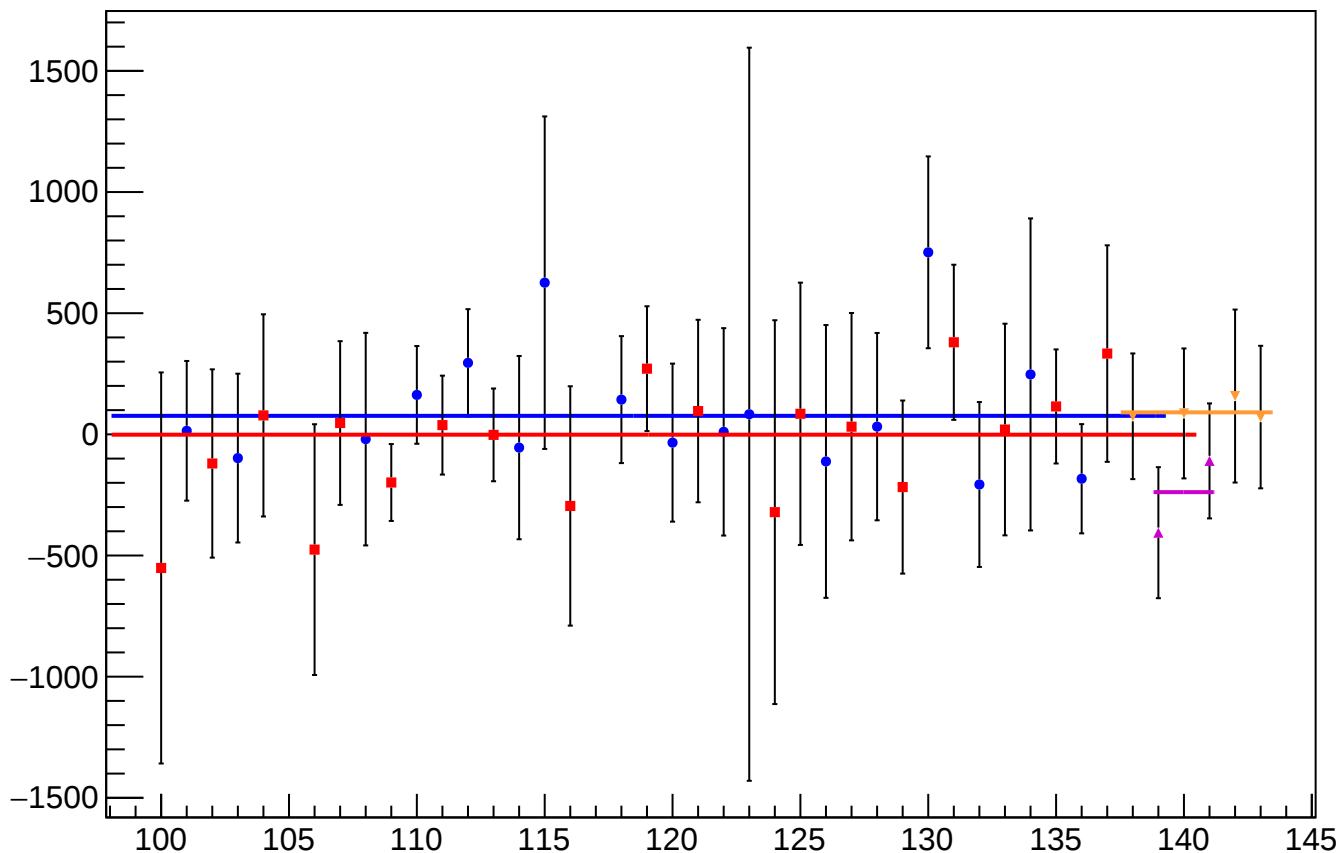
Left In: 10.674 $\pm$ 0.006 χ^2/NDF : 5255.4/1

+ sign 10.614 $\pm$ 0.002 χ^2/NDF : 178494.6/20

All: 10.671 $\pm$ 0.002 χ^2/NDF : 362918.9/41

- sign 10.735 $\pm$ 0.003 χ^2/NDF : 183281.5/20

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 76.396 $\pm$ 79.969 χ^2 /NDF: 7.6/16

Left Out: 90.815 $\pm$ 144.061 χ^2 /NDF:0.0/3

Right Out: -1.355 $\pm$ 70.867 χ^2 /NDF: 7.4/18

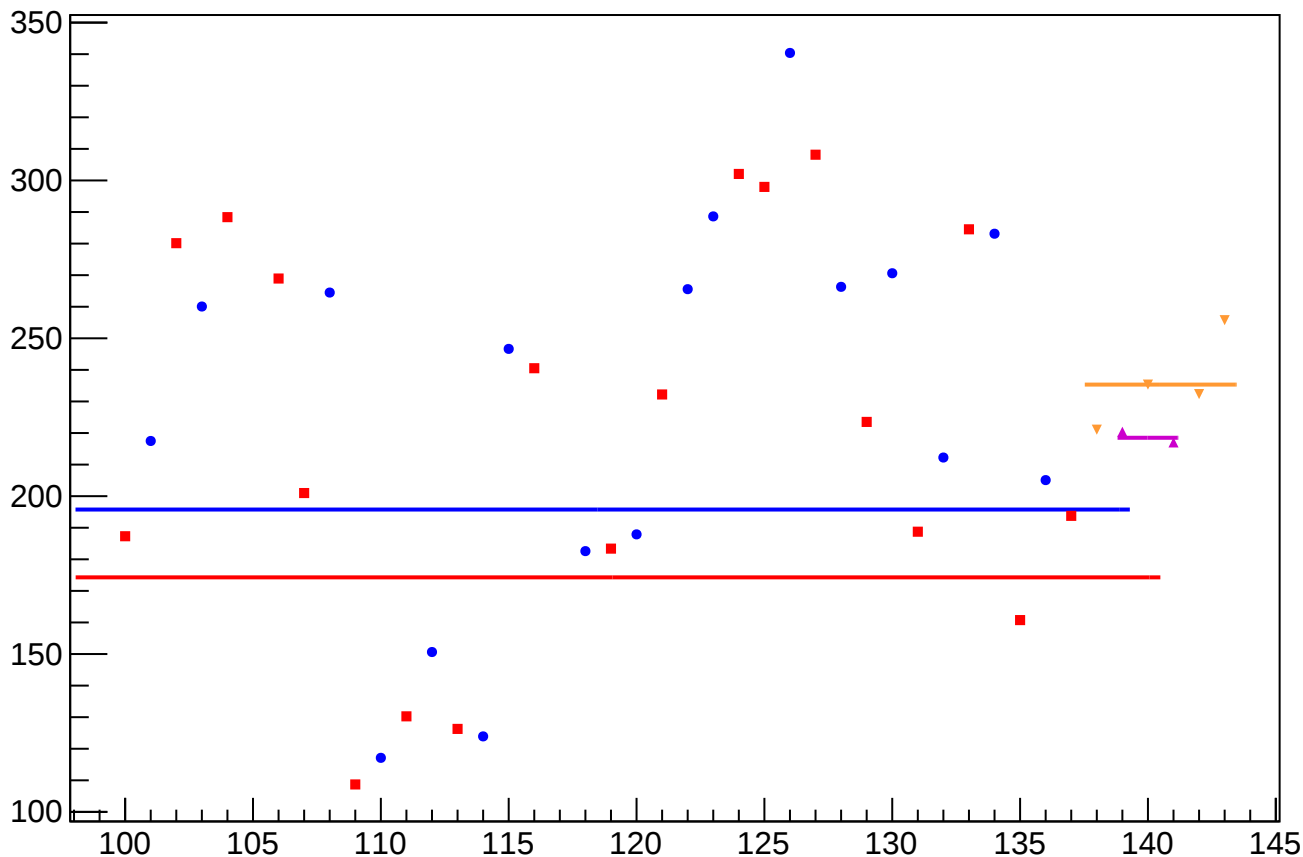
Left In: -238.449 $\pm$ 178.327 χ^2 /NDF:0.7/1

+ sign 79.793 $\pm$ 69.919 χ^2 /NDF: 7.6/20

All: 19.659 $\pm$ 47.940 χ^2 /NDF: 18.6/41

- sign -33.692 $\pm$ 65.858 χ^2 /NDF: 9.6/20

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.766 $\pm$ 0.057 χ^2 /NDF: 980914.1/16

Left Out: 235.341 $\pm$ 0.102 χ^2 /NDF:15828.2/3

Right Out: 174.286 $\pm$ 0.050 χ^2 /NDF: 1523733.5/18

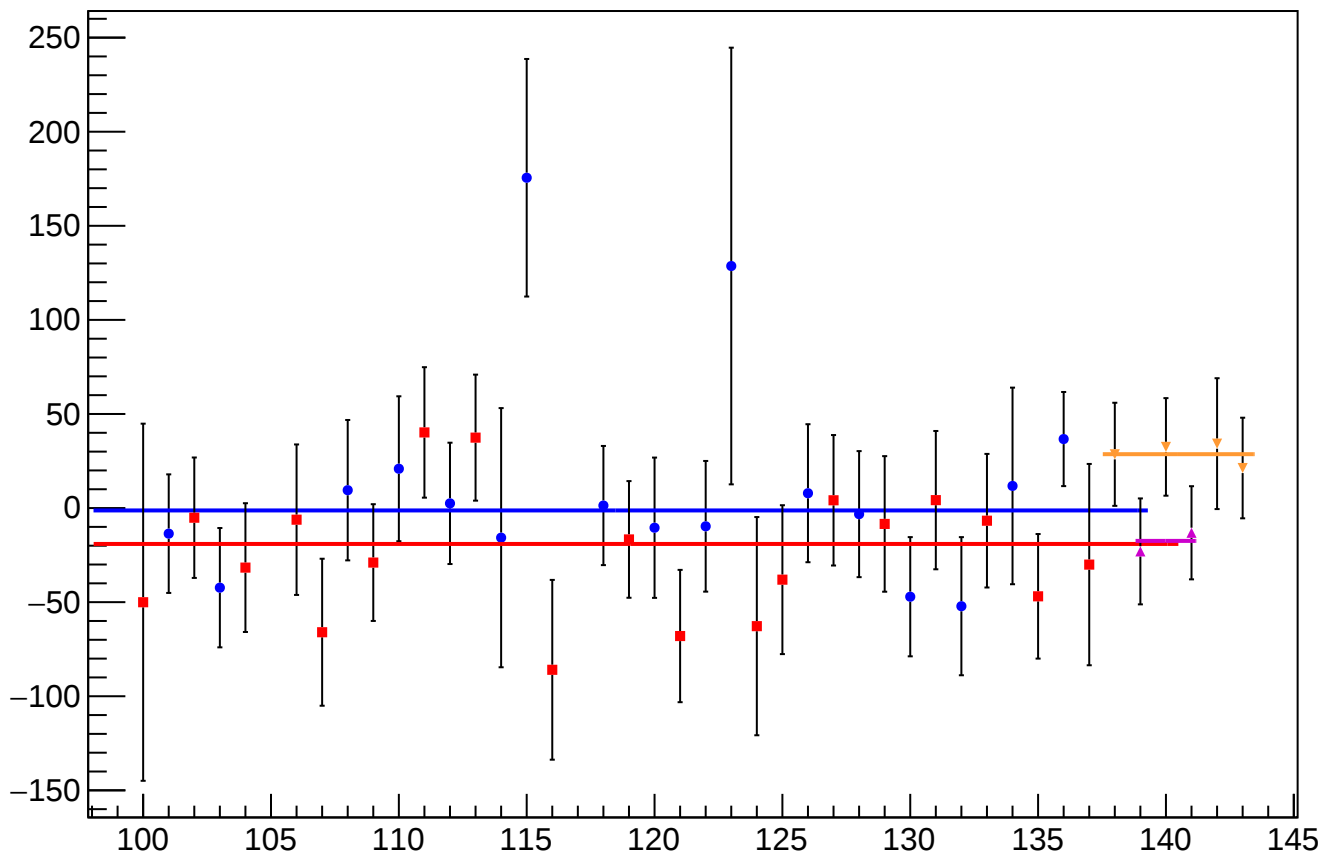
Left In: 218.498 $\pm$ 0.126 χ^2 /NDF:177.6/1

+ sign 205.088 $\pm$ 0.049 χ^2 /NDF: 1112122.6/20

All: 191.961 $\pm$ 0.034 χ^2 /NDF: 2875233.2/41

- sign 180.316 $\pm$ 0.047 χ^2 /NDF: 1630079.0/20

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -1.260 ± 8.846 $\chi^2/\text{NDF}: 18.0/16$

Left Out: 28.638 ± 14.076 $\chi^2/\text{NDF}: 0.1/3$

Right Out: -19.071 ± 8.572 $\chi^2/\text{NDF}: 14.4/18$

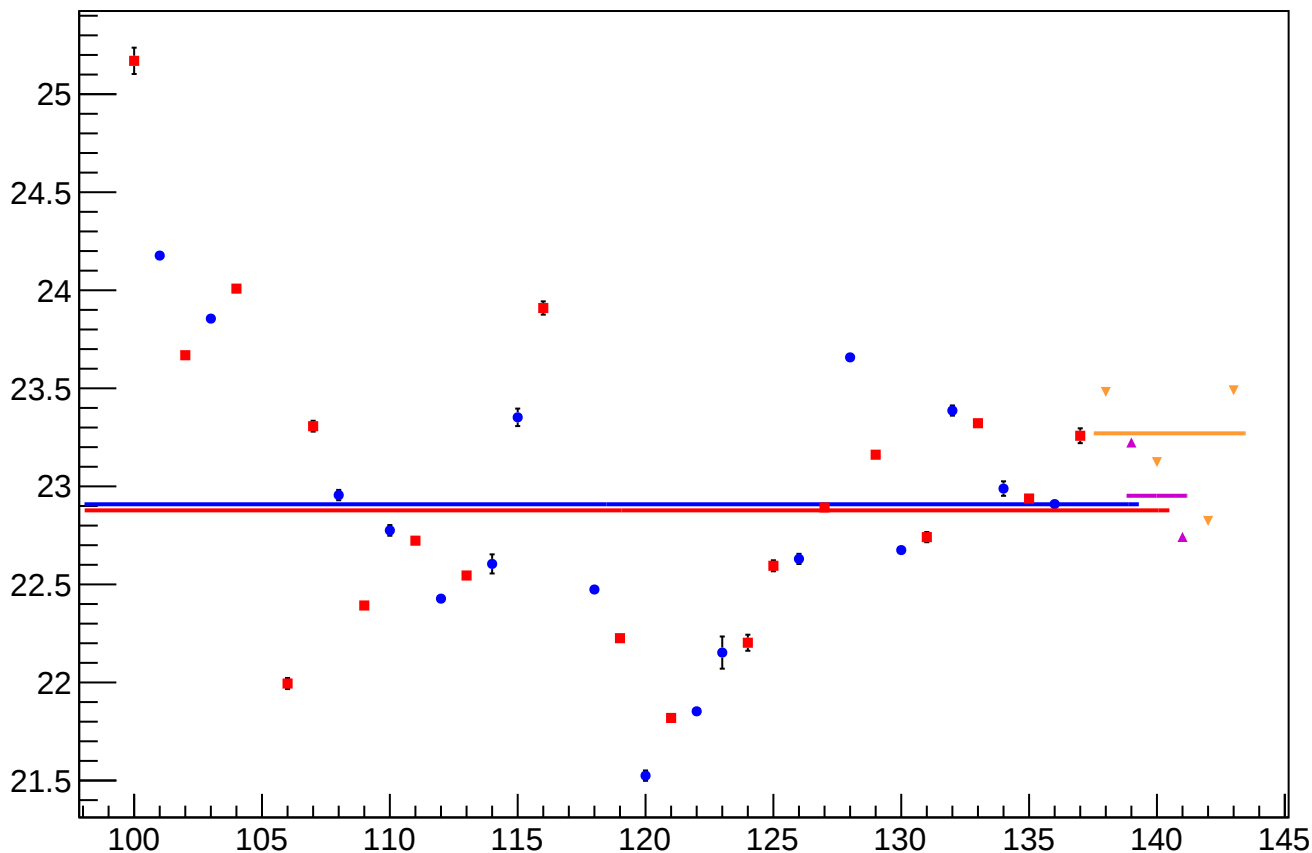
Left In: -17.445 ± 18.587 $\chi^2/\text{NDF}: 0.1/1$

+ sign 7.204 ± 7.490 $\chi^2/\text{NDF}: 21.3/20$

All: -5.290 ± 5.397 $\chi^2/\text{NDF}: 41.6/41$

- sign -18.785 ± 7.784 $\chi^2/\text{NDF}: 14.4/20$

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.909 ± 0.006 $\chi^2/\text{NDF}: 12270.5/16$

Left Out: 23.270 ± 0.010 $\chi^2/\text{NDF}: 647.3/3$

Right Out: 22.878 ± 0.006 $\chi^2/\text{NDF}: 11094.4/18$

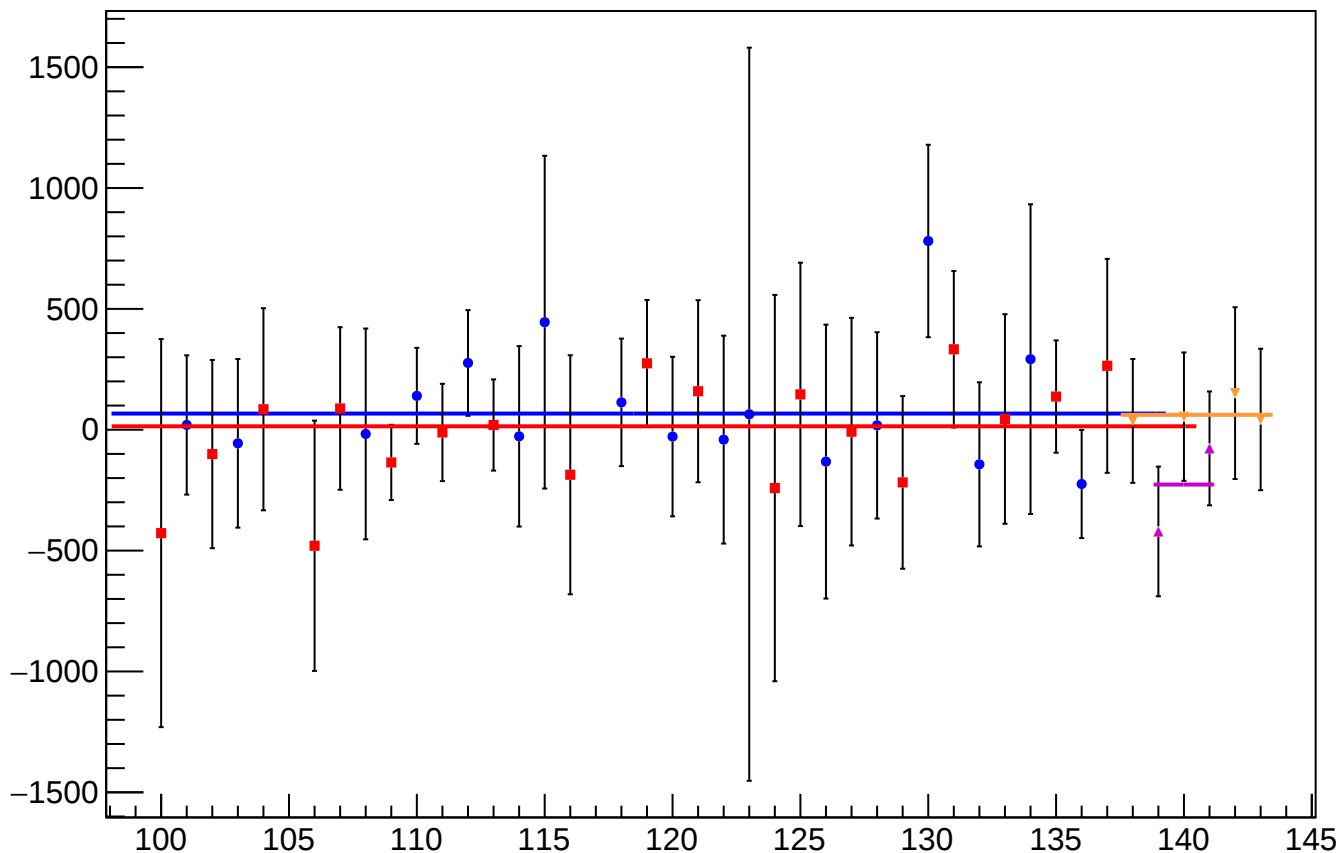
Left In: 22.952 ± 0.013 $\chi^2/\text{NDF}: 330.4/1$

+ sign 23.011 ± 0.005 $\chi^2/\text{NDF}: 13864.7/20$

All: 22.953 ± 0.004 $\chi^2/\text{NDF}: 25564.5/41$

- sign 22.891 ± 0.006 $\chi^2/\text{NDF}: 11451.3/20$

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: 66.962 $\pm$ 79.625 χ^2 /NDF: 7.3/16

Left Out: 61.704 $\pm$ 142.830 χ^2 /NDF: 0.1/3

Right Out: 14.253 $\pm$ 70.367 χ^2 /NDF: 5.8/18

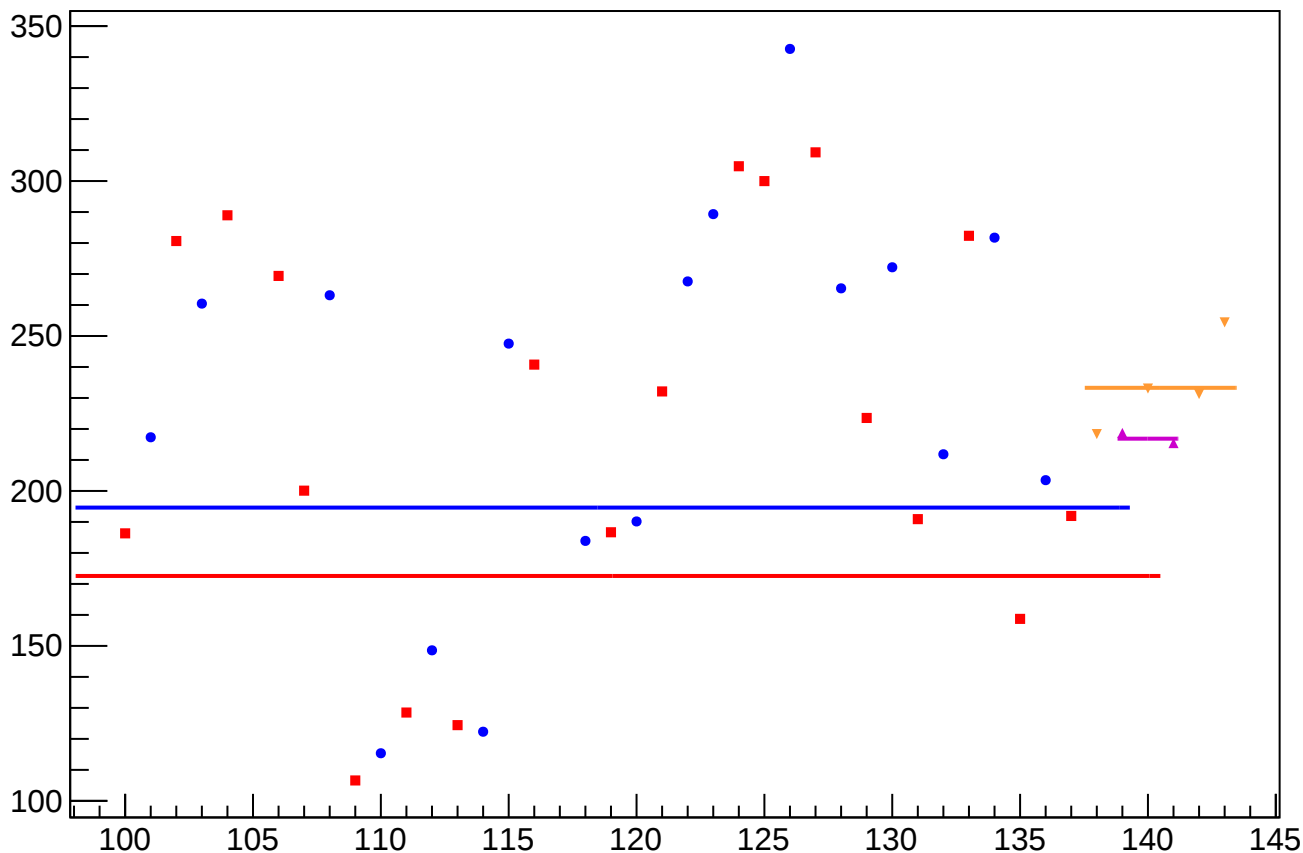
Left In: -226.720 $\pm$ 177.011 χ^2 /NDF: 0.9/1

+ sign 65.716 $\pm$ 69.548 χ^2 /NDF: 7.4/20

All: 20.946 $\pm$ 47.640 χ^2 /NDF: 16.5/41

- sign -18.631 $\pm$ 65.390 χ^2 /NDF: 8.3/20

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.633+/-0.056 χ^2/NDF : 1020982.9/16

Left Out: 233.278+/-0.101 χ^2/NDF : 17275.7/3

Right Out: 172.571+/-0.050 χ^2/NDF : 1591230.2/18

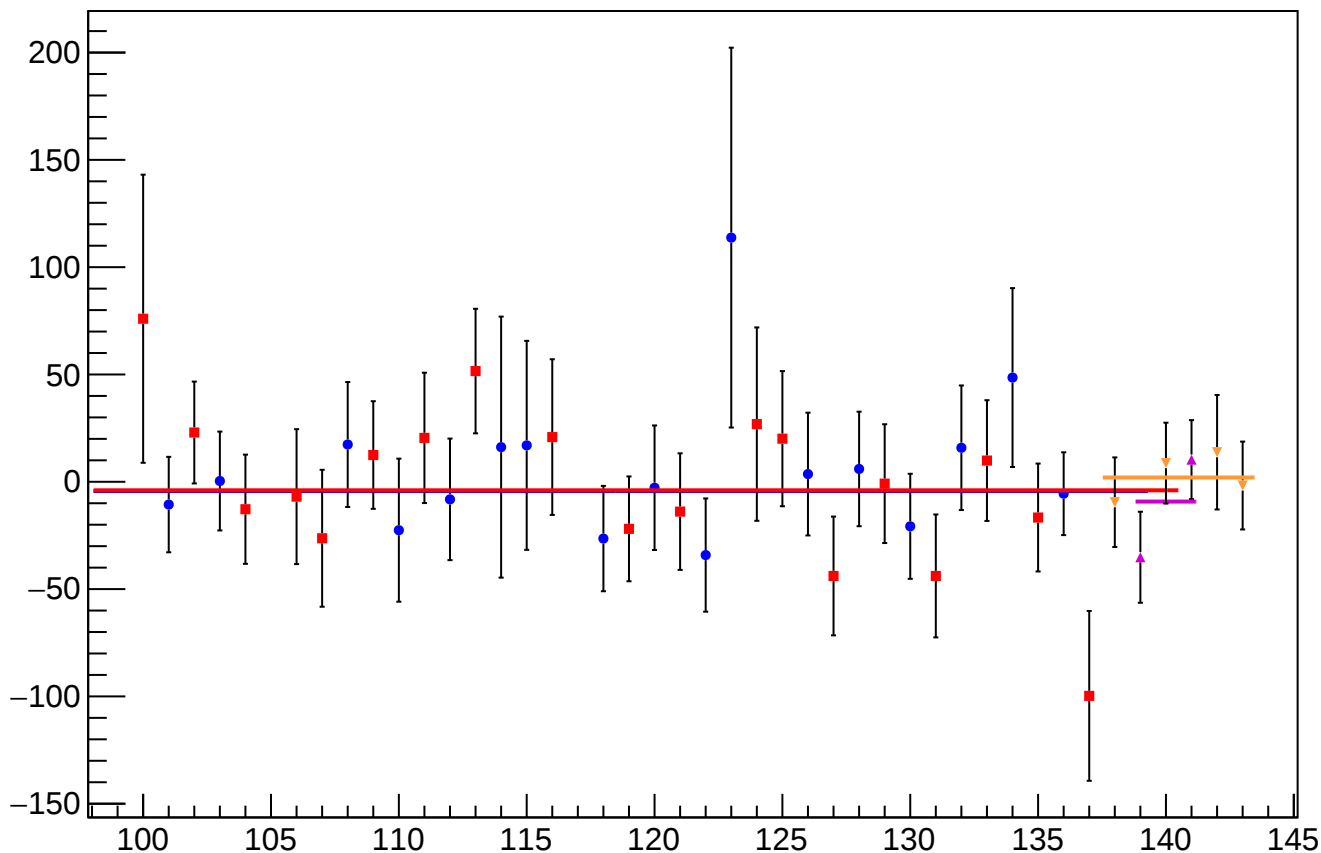
Left In: 216.867+/-0.125 χ^2/NDF : 168.2/1

+ sign 203.796+/-0.049 χ^2/NDF : 1149956.6/20

All: 190.430+/-0.034 χ^2/NDF : 2988666.2/41

- sign 178.616+/-0.046 χ^2/NDF : 1699554.3/20

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.314 ± 6.887 χ^2/NDF : 7.9/16

Left Out: 2.001 ± 10.600 χ^2/NDF : 0.7/3

Right Out: -3.970 ± 6.740 χ^2/NDF : 20.7/18

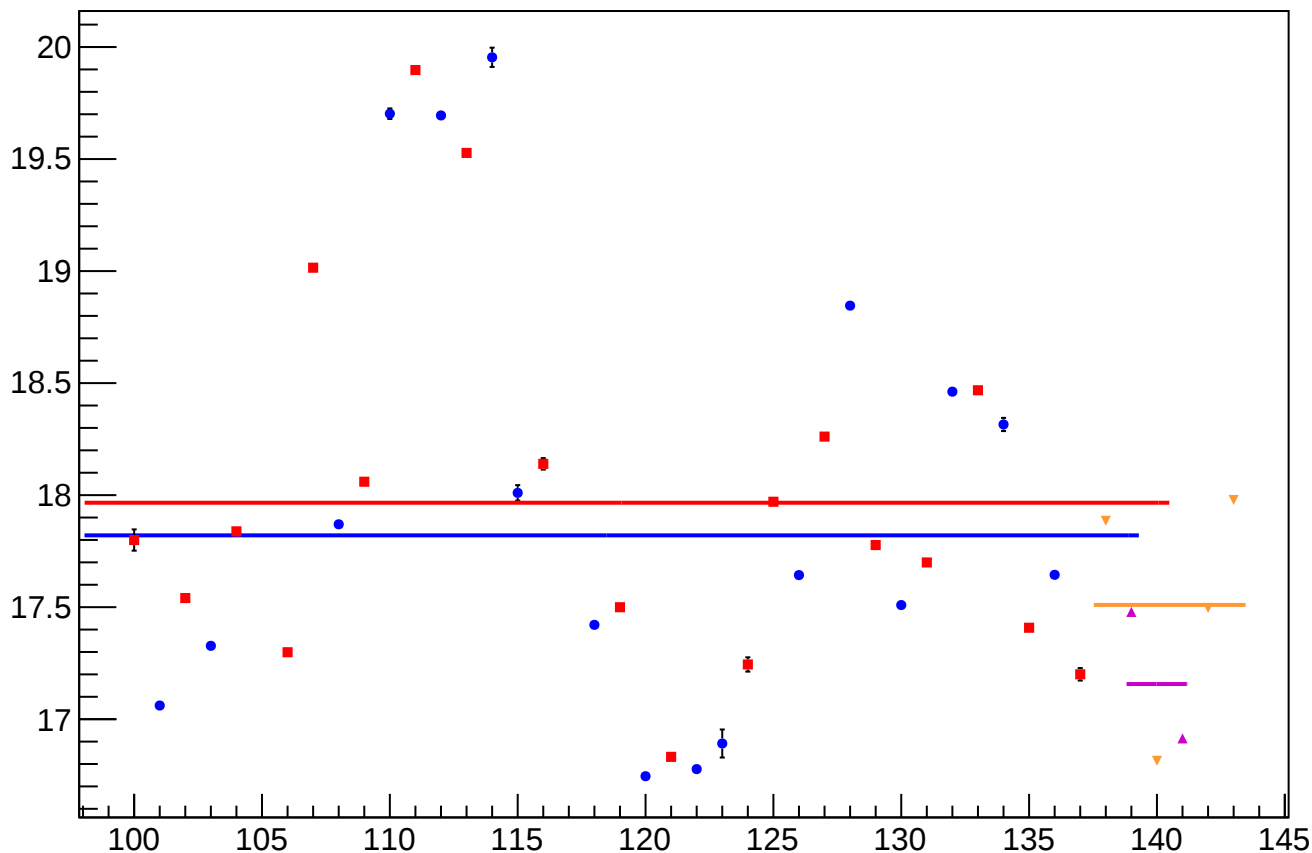
Left In: -9.223 ± 13.904 χ^2/NDF : 2.6/1

+ sign -2.440 ± 5.775 χ^2/NDF : 8.9/20

All: -3.643 ± 4.182 χ^2/NDF : 32.3/41

- sign -4.970 ± 6.065 χ^2/NDF : 23.4/20

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.821 $\pm$ 0.005 χ^2 /NDF: 32283.6/16

Left Out: 17.510 $\pm$ 0.007 χ^2 /NDF: 4419.8/3

Right Out: 17.966 $\pm$ 0.005 χ^2 /NDF: 25320.4/18

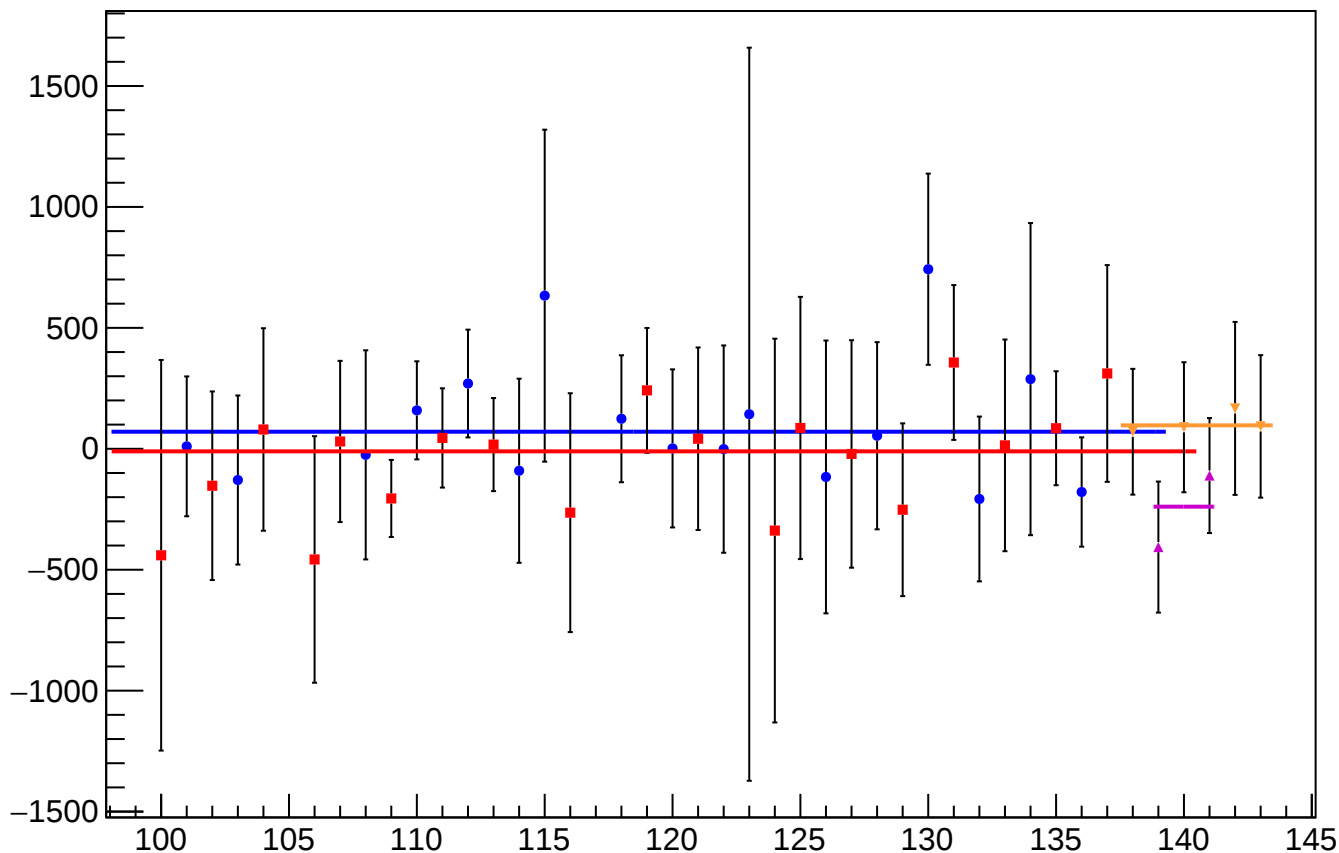
Left In: 17.157 $\pm$ 0.010 χ^2 /NDF: 808.1/1

+ sign 17.728 $\pm$ 0.004 χ^2 /NDF: 37910.4/20

All: 17.768 $\pm$ 0.003 χ^2 /NDF: 69723.8/41

- sign 17.812 $\pm$ 0.004 χ^2 /NDF: 31612.9/20

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 70.603+/-80.168 χ^2/NDF : 7.4/16

Left Out: 96.954+/-144.386 χ^2/NDF : 0.0/3

Right Out: -10.558+/-71.025 χ^2/NDF : 6.7/18

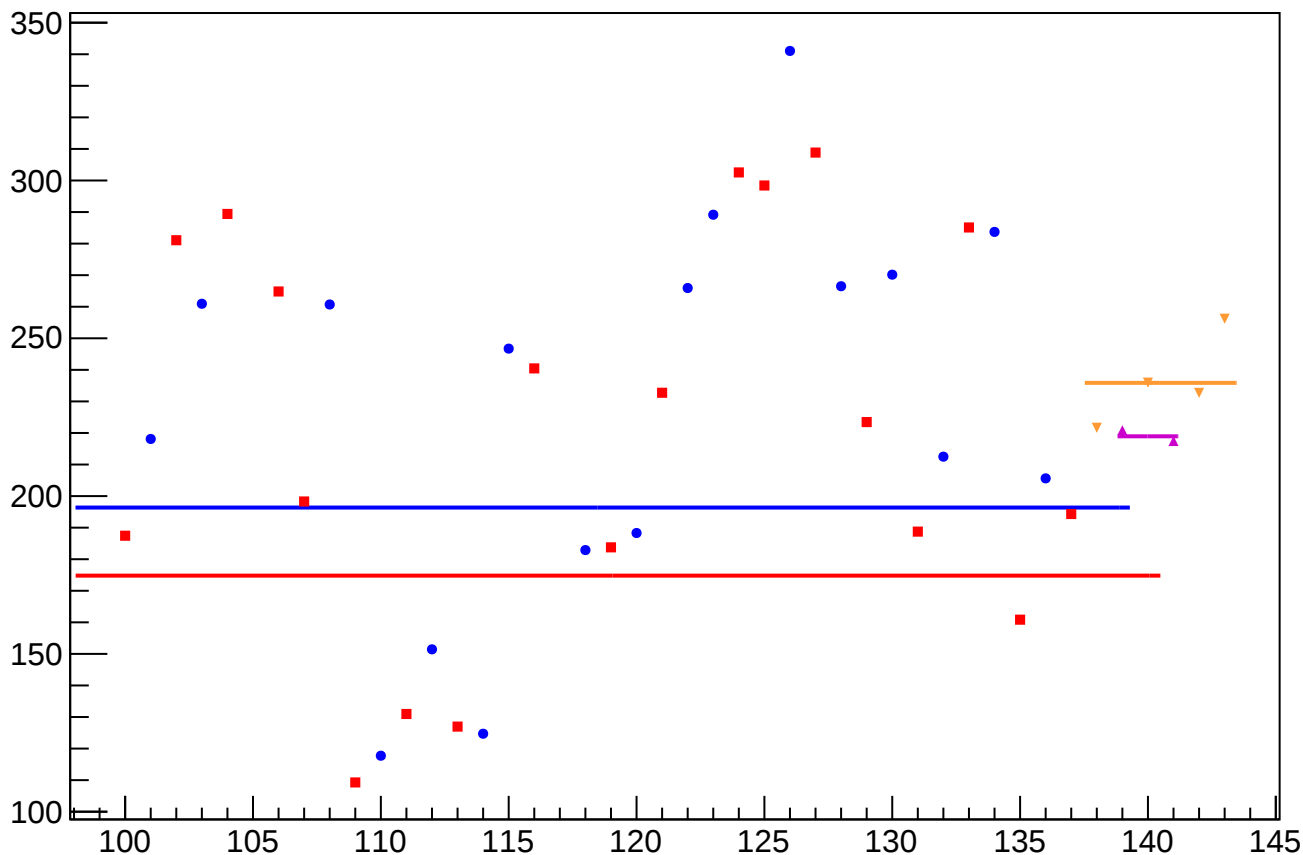
Left In: -239.275+/-178.691 χ^2/NDF : 0.7/1

+ sign 76.812+/-70.089 χ^2/NDF : 7.5/20

All: 13.968+/-48.051 χ^2/NDF : 17.8/41

- sign -41.762+/-66.003 χ^2/NDF : 8.8/20

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.369 $\pm$ 0.057 χ^2/NDF : 965962.8/16

Left Out: 235.874 $\pm$ 0.102 χ^2/NDF : 15665.2/3

Right Out: 174.800 $\pm$ 0.050 χ^2/NDF : 1506075.3/18

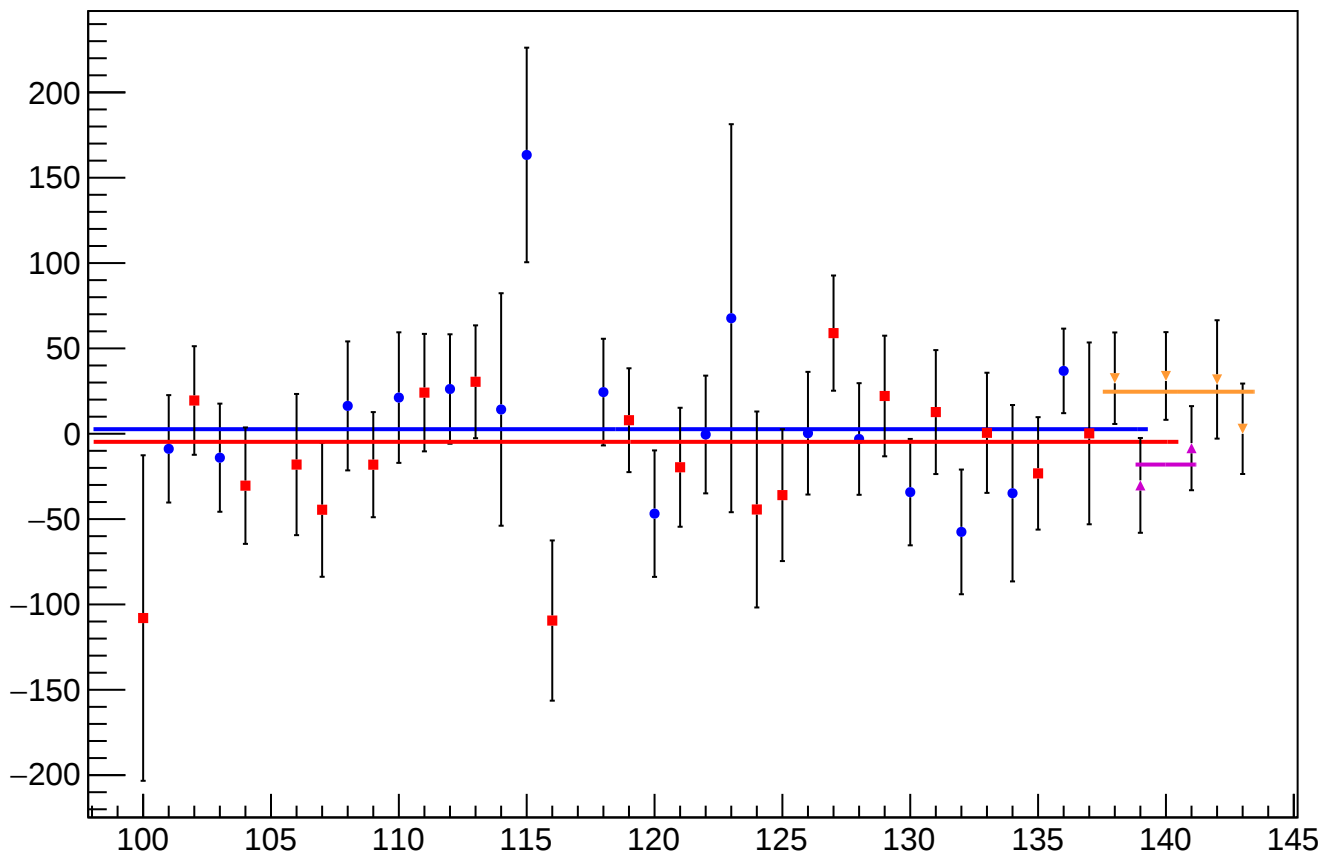
Left In: 218.944 $\pm$ 0.126 χ^2/NDF : 178.5/1

+ sign 205.678 $\pm$ 0.050 χ^2/NDF : 1096070.4/20

All: 192.505 $\pm$ 0.034 χ^2/NDF : 2841030.9/41

- sign 180.823 $\pm$ 0.047 χ^2/NDF : 1611658.1/20

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 2.676 $\pm$ 8.772 χ^2/NDF : 17.1/16

Left Out: 24.633 $\pm$ 13.917 χ^2/NDF : 0.9/3

Right Out: -4.736 $\pm$ 8.496 χ^2/NDF : 16.6/18

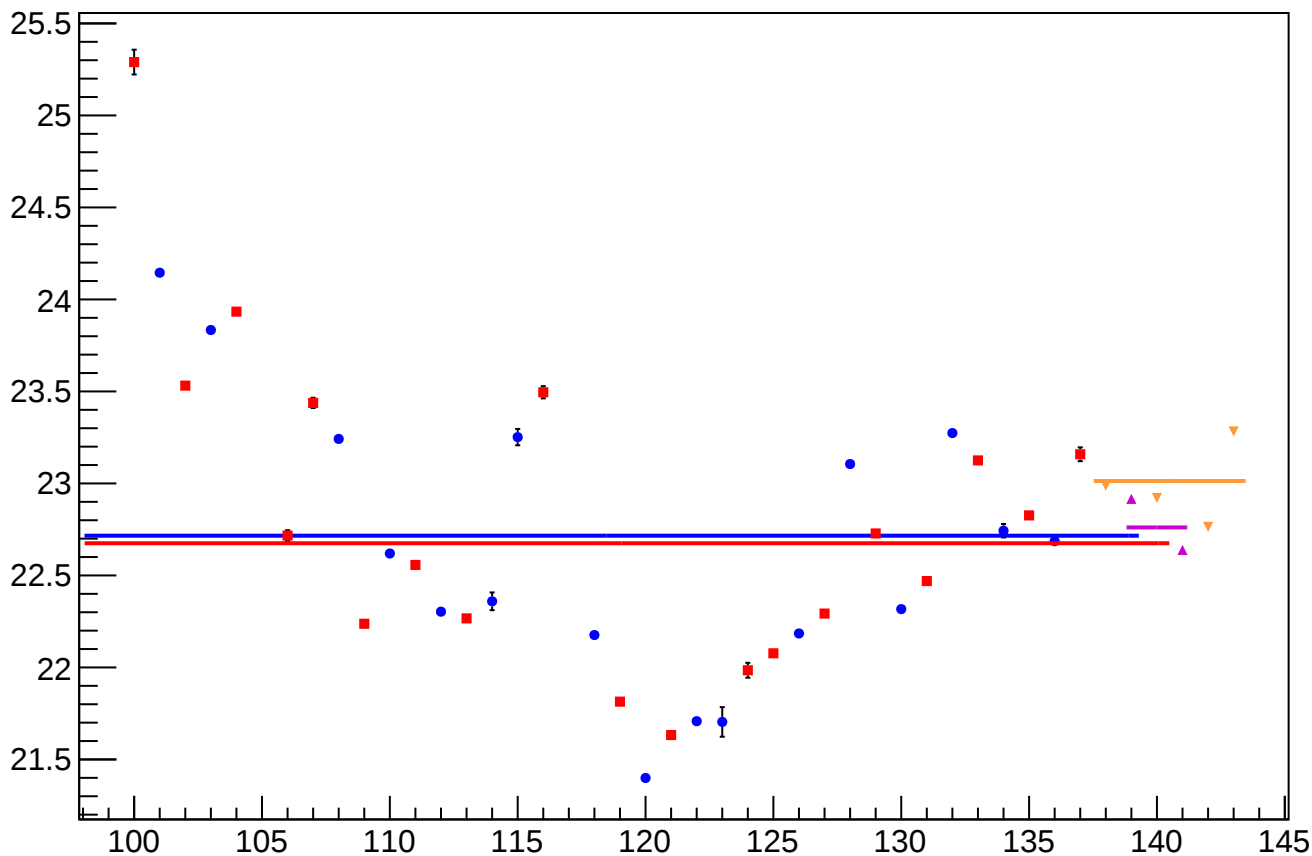
Left In: -18.049 $\pm$ 18.431 χ^2/NDF : 0.3/1

+ sign 8.918 $\pm$ 7.421 χ^2/NDF : 19.8/20

All: 1.236 $\pm$ 5.348 χ^2/NDF : 39.4/41

- sign -7.069 $\pm$ 7.716 χ^2/NDF : 17.4/20

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.716+/-0.006 χ^2/NDF : 14058.2/16

Left Out: 23.013+/-0.010 χ^2/NDF : 337.4/3

Right Out: 22.675+/-0.006 χ^2/NDF : 12796.3/18

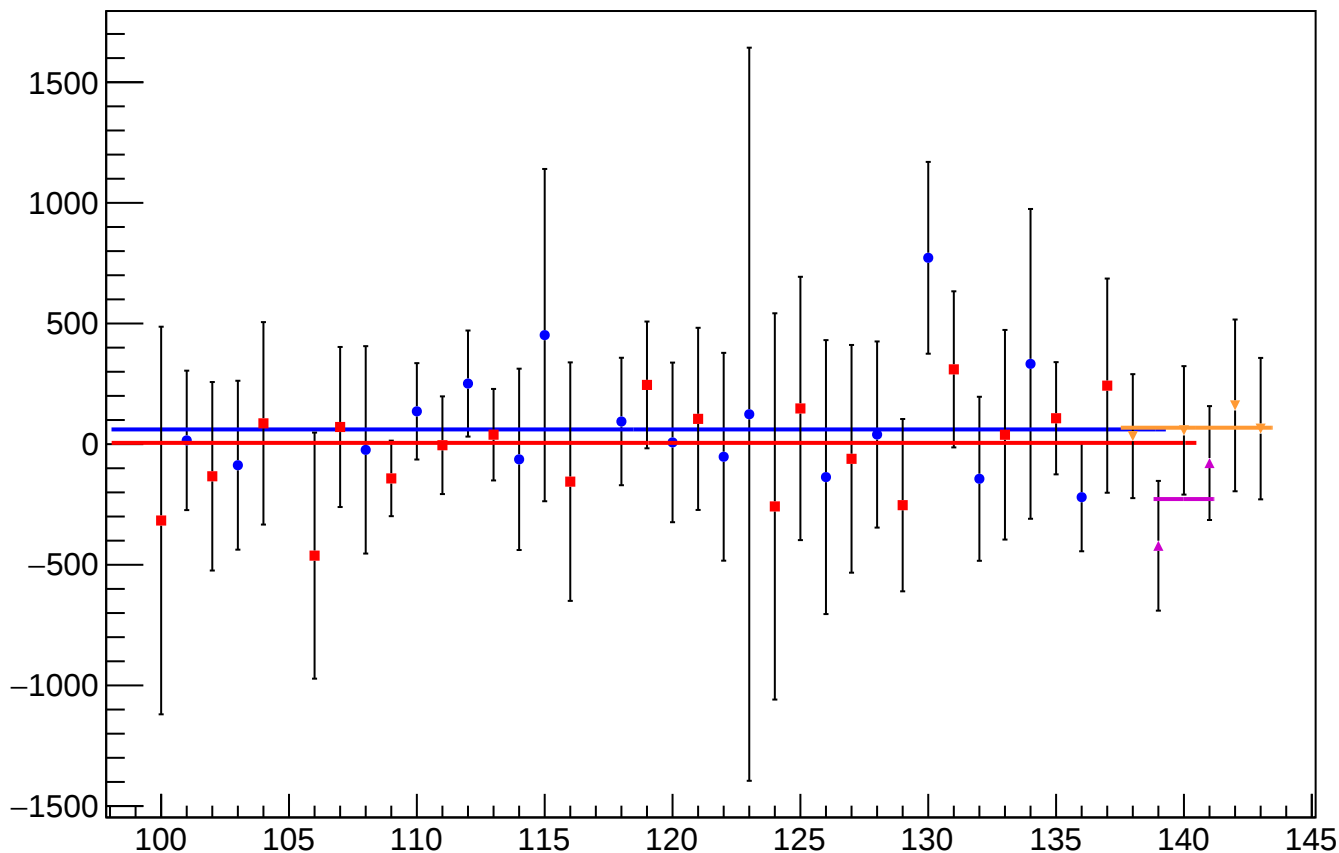
Left In: 22.761+/-0.013 χ^2/NDF : 111.7/1

+ sign 22.801+/-0.005 χ^2/NDF : 15049.1/20

All: 22.747+/-0.004 χ^2/NDF : 28206.4/41

- sign 22.690+/-0.005 χ^2/NDF : 12943.9/20

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 60.977 $\pm$ 79.827 χ^2 /NDF: 7.1/16

Left Out: 68.119 $\pm$ 143.155 χ^2 /NDF: 0.1/3

Right Out: 5.234 $\pm$ 70.529 χ^2 /NDF: 5.2/18

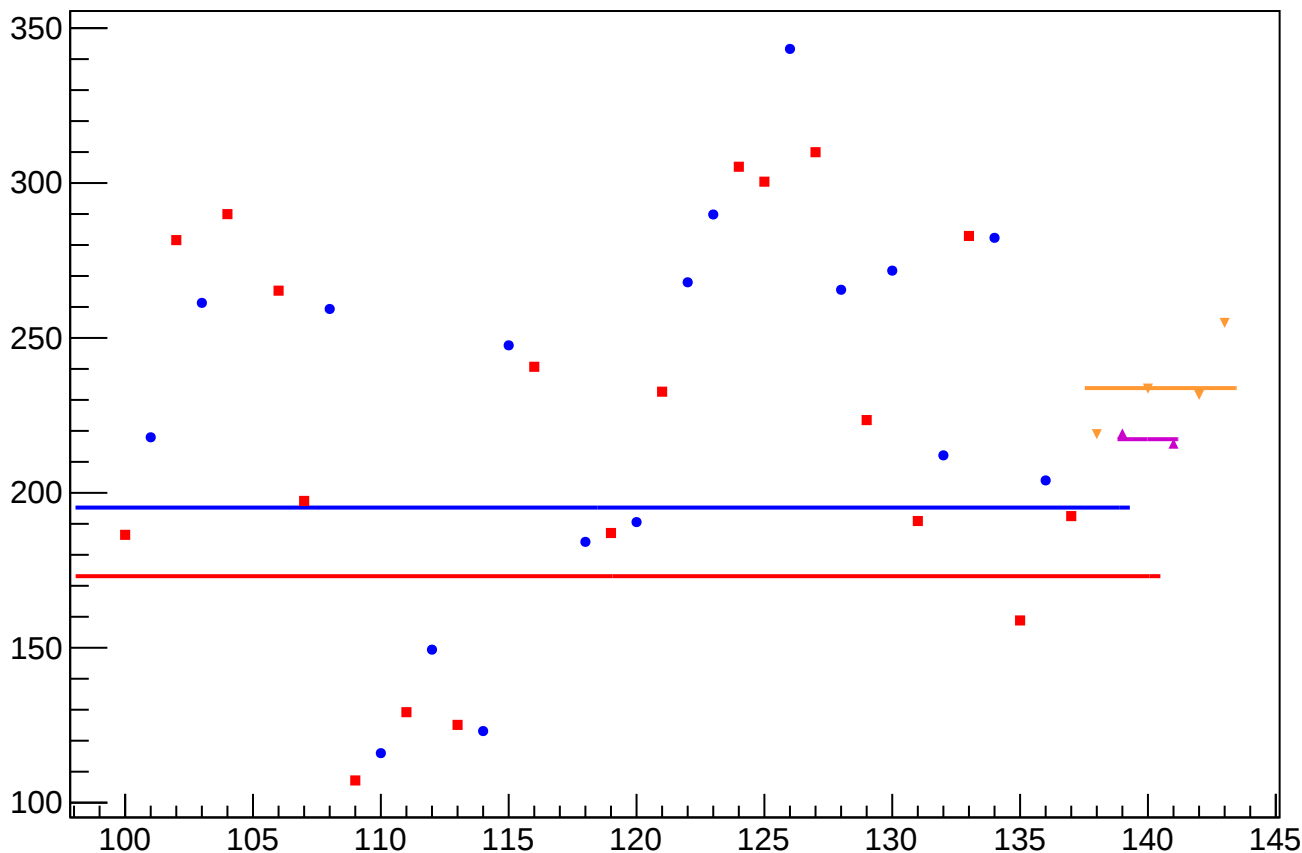
Left In: -227.581 $\pm$ 177.378 χ^2 /NDF: 0.9/1

+ sign 62.671 $\pm$ 69.720 χ^2 /NDF: 7.2/20

All: 15.305 $\pm$ 47.752 χ^2 /NDF: 15.7/41

- sign -26.550 $\pm$ 65.538 χ^2 /NDF: 7.6/20

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug



Right In: 195.248 $\pm$ 0.056 χ^2 /NDF: 1005332.5/16

Left Out: 233.812 $\pm$ 0.101 χ^2 /NDF:17093.8/3

Right Out: 173.101 $\pm$ 0.050 χ^2 /NDF: 1572691.1/18

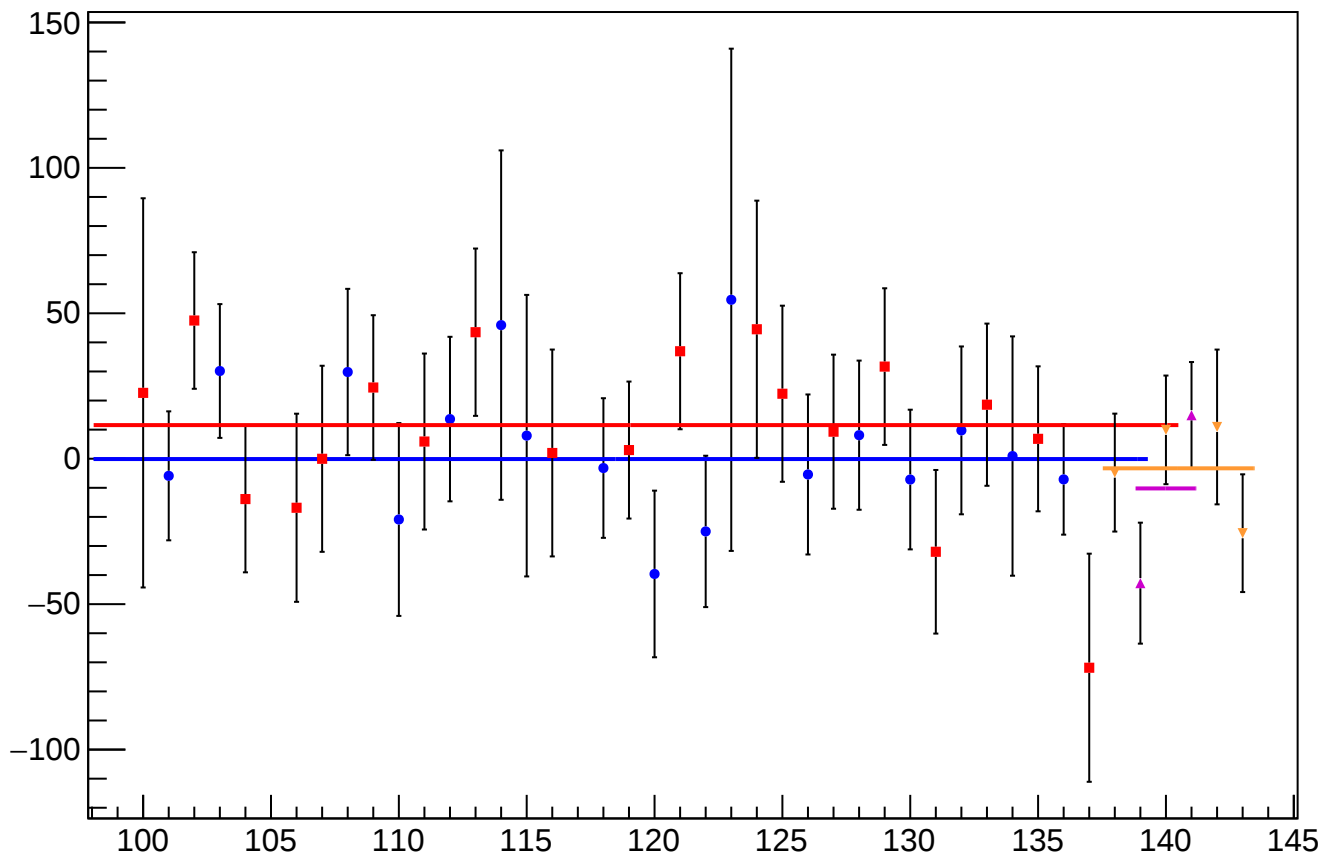
Left In: 217.317 $\pm$ 0.125 χ^2 /NDF:169.3/1

+ sign 204.395 $\pm$ 0.049 χ^2 /NDF: 1133140.9/20

All: 190.986 $\pm$ 0.034 χ^2 /NDF: 2952662.4/41

- sign 179.137 $\pm$ 0.046 χ^2 /NDF: 1680170.4/20

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -0.111 ± 6.786 χ^2/NDF : 7.9/16

Left Out: -3.299 ± 10.452 χ^2/NDF : 2.0/3

Right Out: 11.560 ± 6.642 χ^2/NDF : 15.2/18

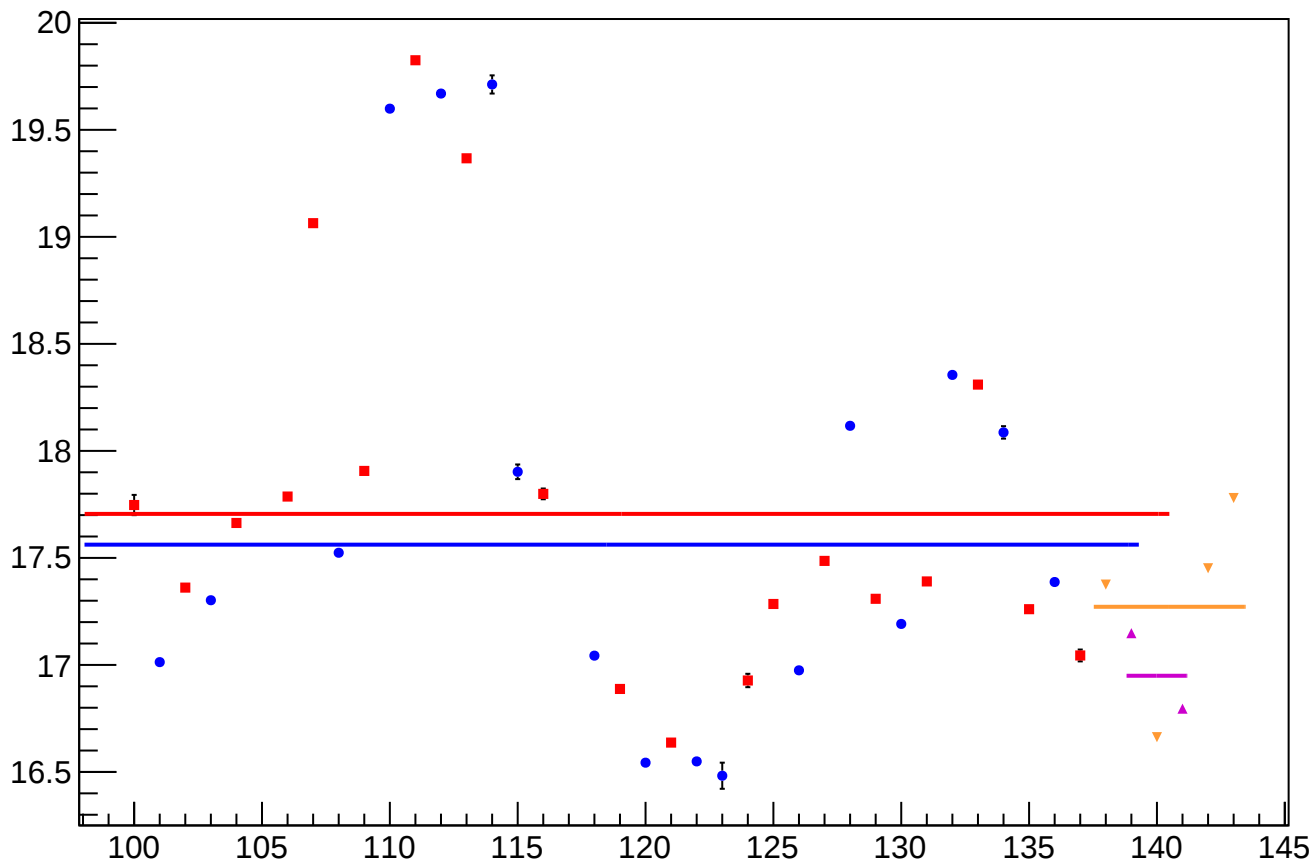
Left In: -10.213 ± 13.731 χ^2/NDF : 4.3/1

+ sign -1.056 ± 5.692 χ^2/NDF : 9.9/20

All: 2.979 ± 4.123 χ^2/NDF : 32.6/41

- sign 7.432 ± 5.979 χ^2/NDF : 21.6/20

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.562 $\pm$ 0.005 χ^2/NDF : 33937.0/16

Left Out: 17.272 $\pm$ 0.007 χ^2/NDF : 3532.9/3

Right Out: 17.706 $\pm$ 0.005 χ^2/NDF : 30251.5/18

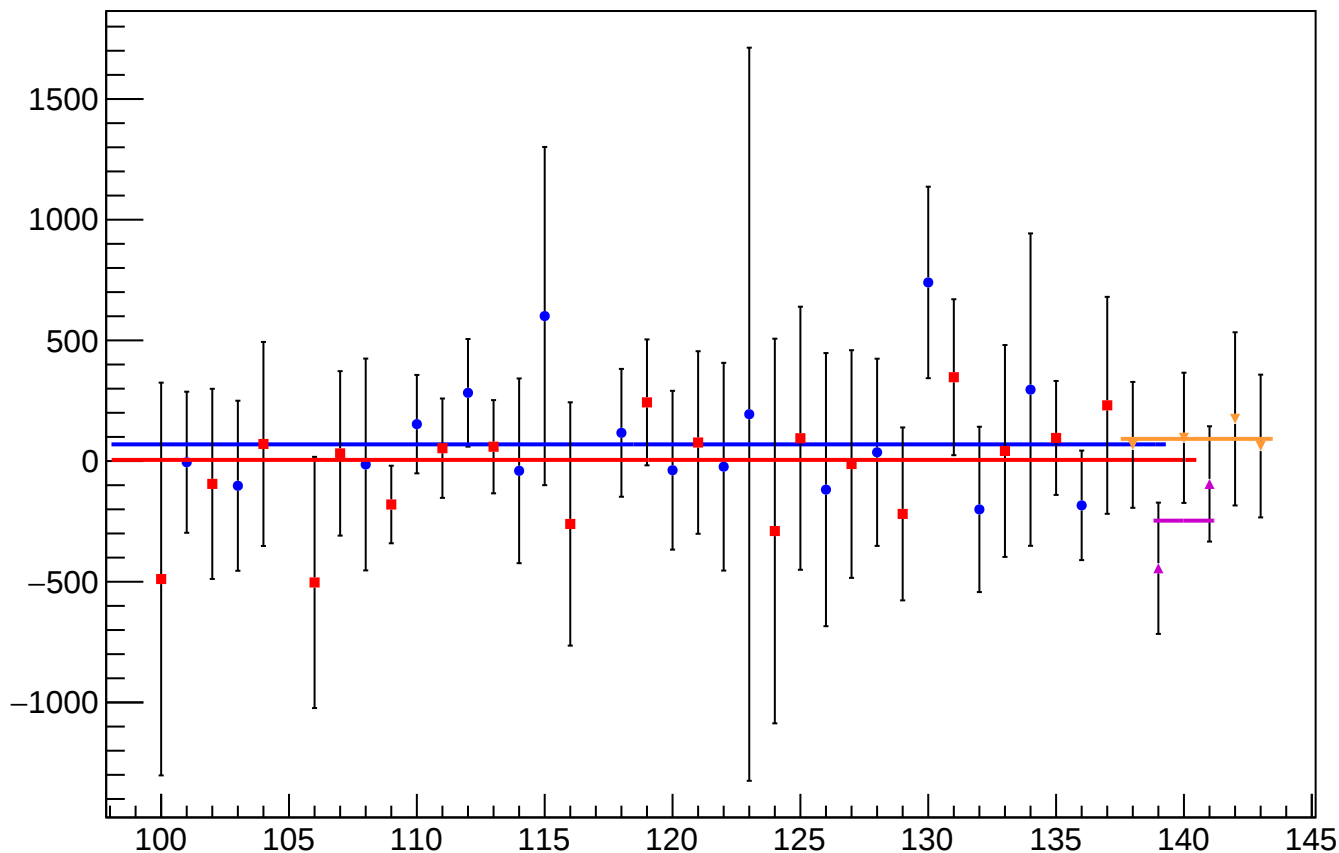
Left In: 16.949 $\pm$ 0.010 χ^2/NDF : 324.5/1

+ sign 17.476 $\pm$ 0.004 χ^2/NDF : 38555.3/20

All: 17.517 $\pm$ 0.003 χ^2/NDF : 74266.2/41

- sign 17.562 $\pm$ 0.004 χ^2/NDF : 35491.8/20

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 69.218 $\pm$ 80.633 χ^2 /NDF: 7.2/16

Left Out: 91.957 $\pm$ 144.866 χ^2 /NDF: 0.1/3

Right Out: 4.849 $\pm$ 71.521 χ^2 /NDF: 6.1/18

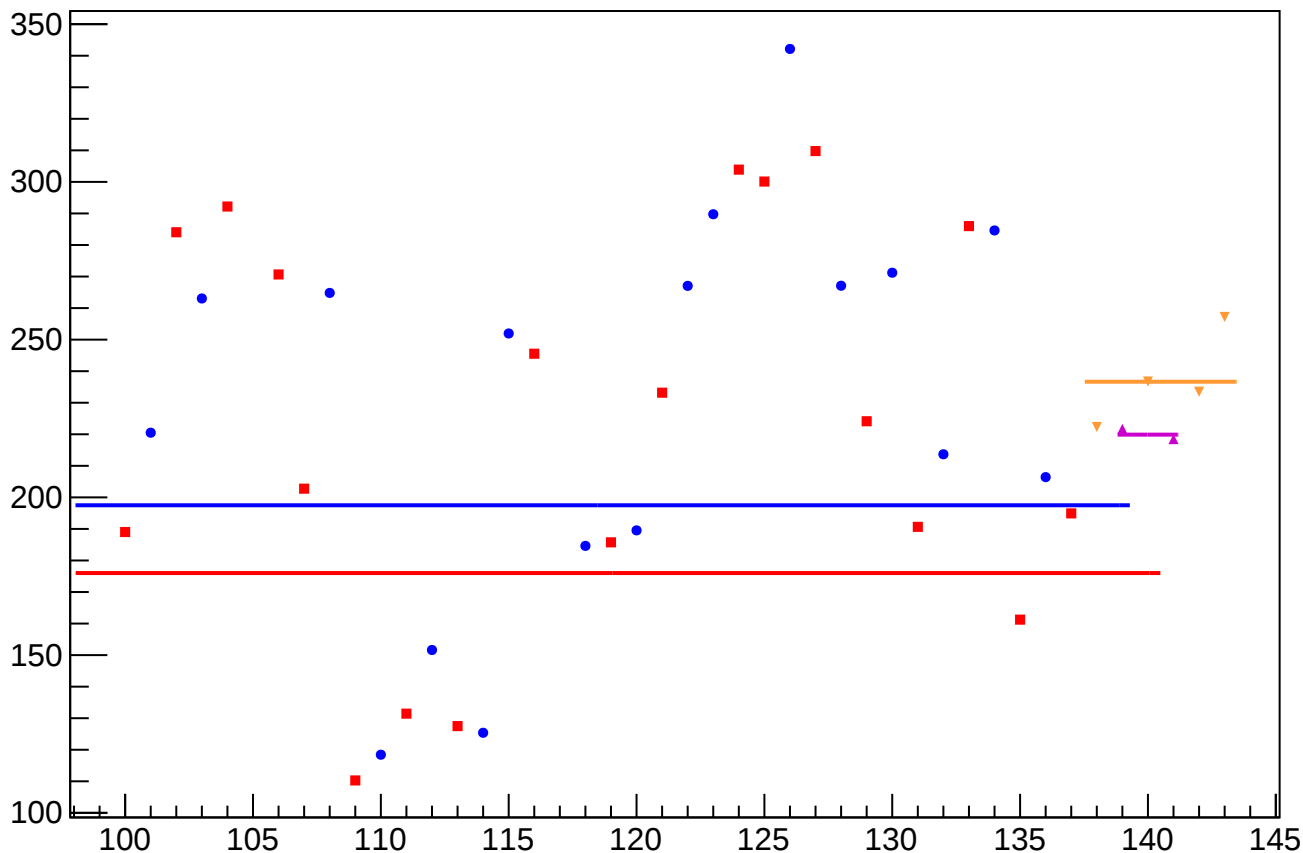
Left In: -246.867 $\pm$ 179.453 χ^2 /NDF: 0.9/1

+ sign 74.596 $\pm$ 70.455 χ^2 /NDF: 7.3/20

All: 19.415 $\pm$ 48.337 χ^2 /NDF: 17.2/41

- sign -29.654 $\pm$ 66.439 χ^2 /NDF: 8.7/20

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.498 $\pm$ 0.057 χ^2/NDF : 970879.0/16

Left Out: 236.658 $\pm$ 0.102 χ^2/NDF : 15849.2/3

Right Out: 176.016 $\pm$ 0.051 χ^2/NDF : 1514778.3/18

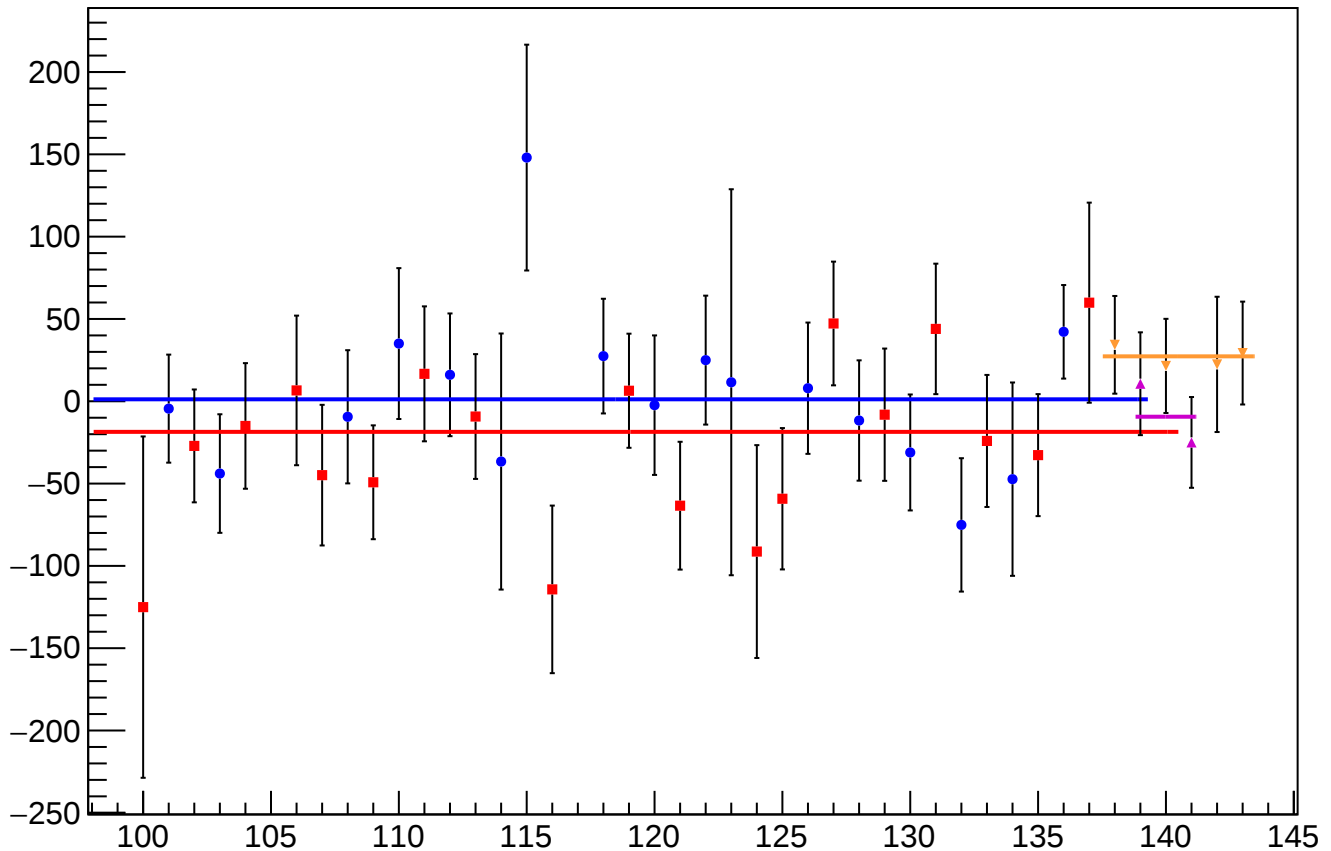
Left In: 219.885 $\pm$ 0.127 χ^2/NDF : 160.6/1

+ sign 206.760 $\pm$ 0.050 χ^2/NDF : 1098307.8/20

All: 193.670 $\pm$ 0.034 χ^2/NDF : 2846825.9/41

- sign 182.029 $\pm$ 0.047 χ^2/NDF : 1618079.9/20

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 1.189 $\pm$ 9.848 χ^2/NDF : 15.4/16

Left Out: 27.288 $\pm$ 15.861 χ^2/NDF : 0.1/3

Right Out: -18.582 $\pm$ 9.518 χ^2/NDF : 18.4/18

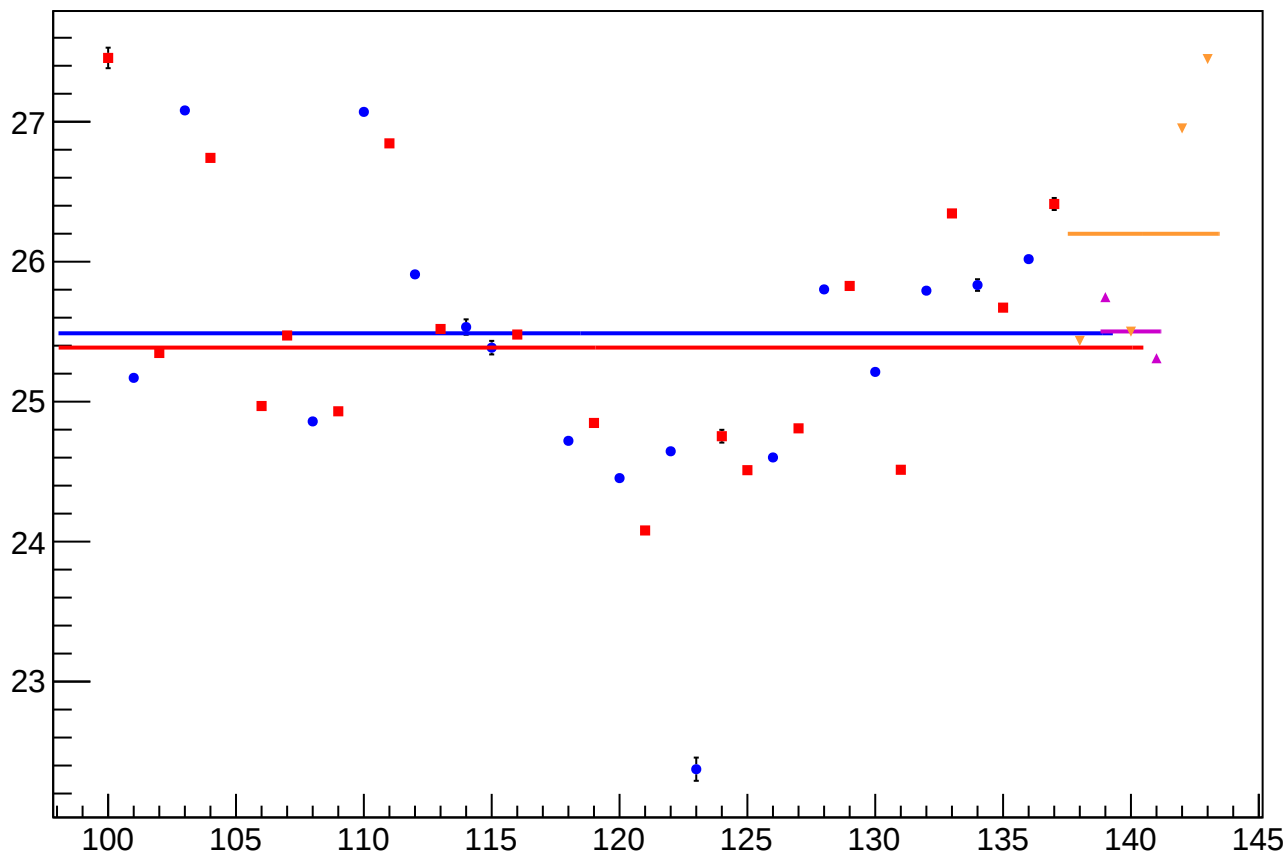
Left In: -9.384 $\pm$ 20.667 χ^2/NDF : 0.7/1

+ sign 8.451 $\pm$ 8.367 χ^2/NDF : 17.5/20

All: -3.845 $\pm$ 6.012 χ^2/NDF : 41.3/41

- sign -16.973 $\pm$ 8.645 χ^2/NDF : 19.3/20

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.488 $\pm$ 0.007 χ^2 /NDF: 13867.7/16

Left Out: 26.199 $\pm$ 0.011 χ^2 /NDF:6388.5/3

Right Out: 25.386 $\pm$ 0.007 χ^2 /NDF: 13699.1/18

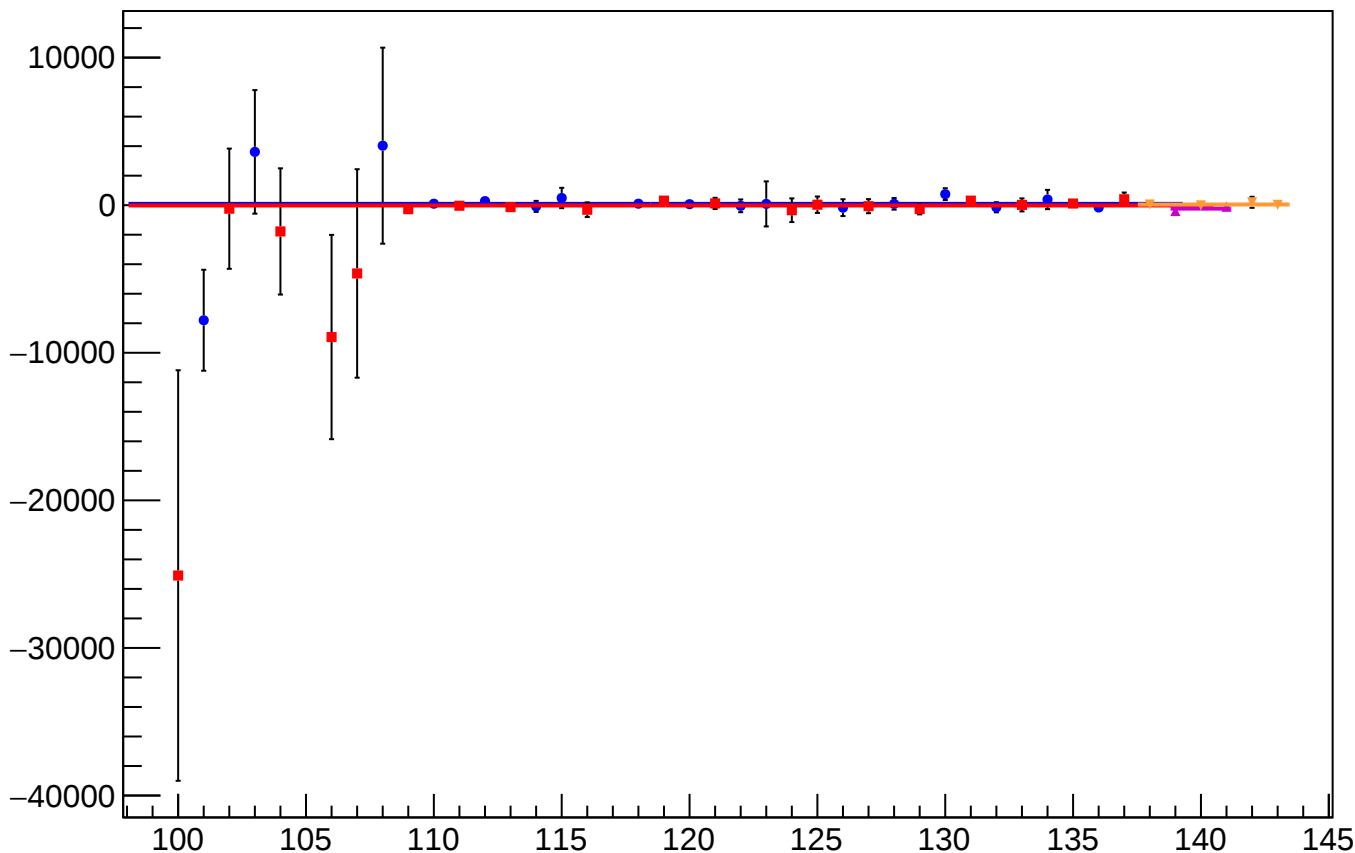
Left In: 25.502 $\pm$ 0.015 χ^2 /NDF:219.7/1

+ sign 25.686 $\pm$ 0.006 χ^2 /NDF: 23157.3/20

All: 25.551 $\pm$ 0.004 χ^2 /NDF: 38209.1/41

- sign 25.406 $\pm$ 0.006 χ^2 /NDF: 13970.1/20

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 89.231+/-87.920 χ^2/NDF : 12.5/16

Left Out: 46.102+/-145.423 χ^2/NDF : 0.2/3

Right Out: -18.864+/-80.923 χ^2/NDF : 12.0/18

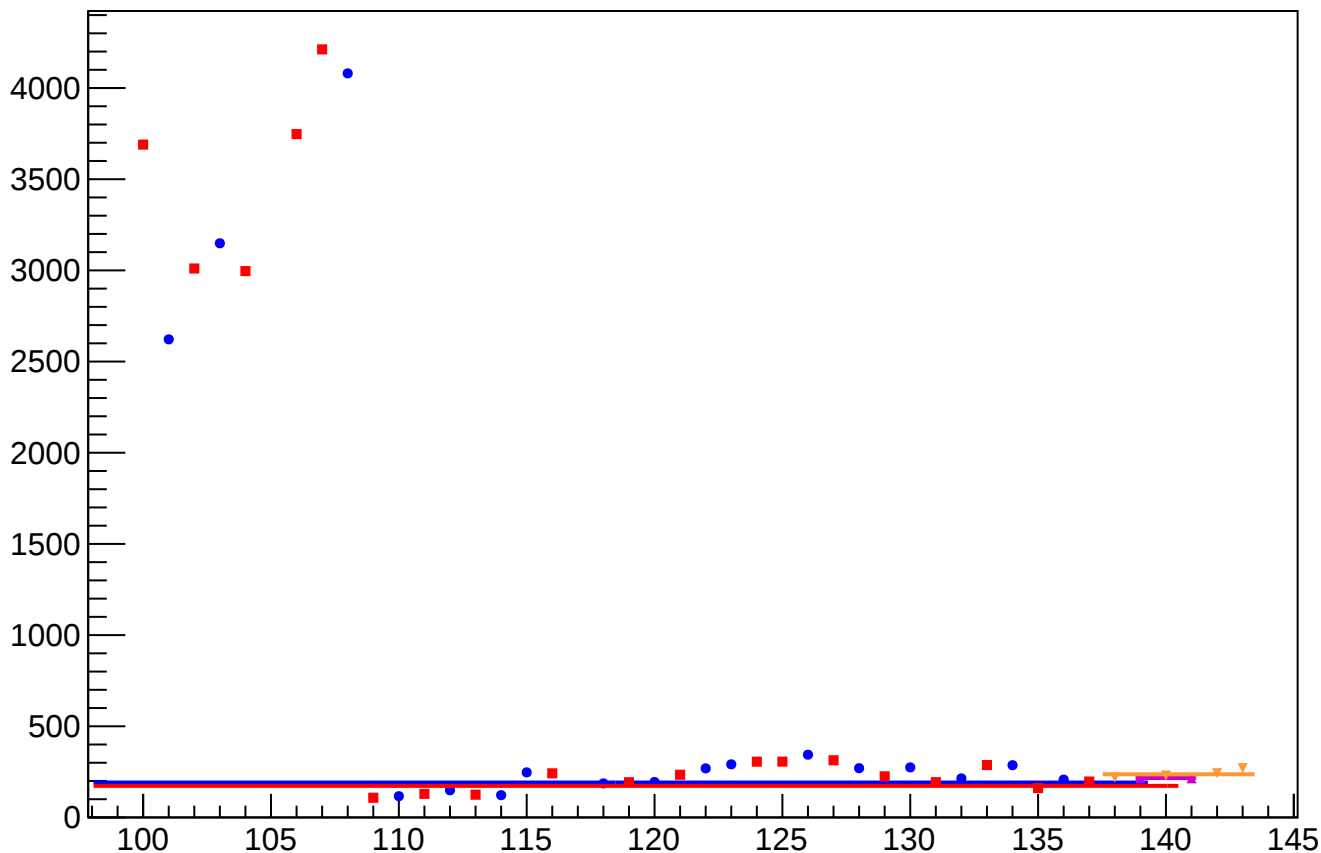
Left In: -232.912+/-176.349 χ^2/NDF : 0.7/1

+ sign 77.687+/-75.238 χ^2/NDF : 12.8/20

All: 9.276+/-52.594 χ^2/NDF : 28.2/41

- sign -56.096+/-73.549 χ^2/NDF : 13.8/20

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.422+/-0.062 χ^2/NDF : 3573556.6/16

Left Out: 237.027+/-0.103 χ^2/NDF : 34985.1/3

Right Out: 173.068+/-0.057 χ^2/NDF : 4201509.7/18

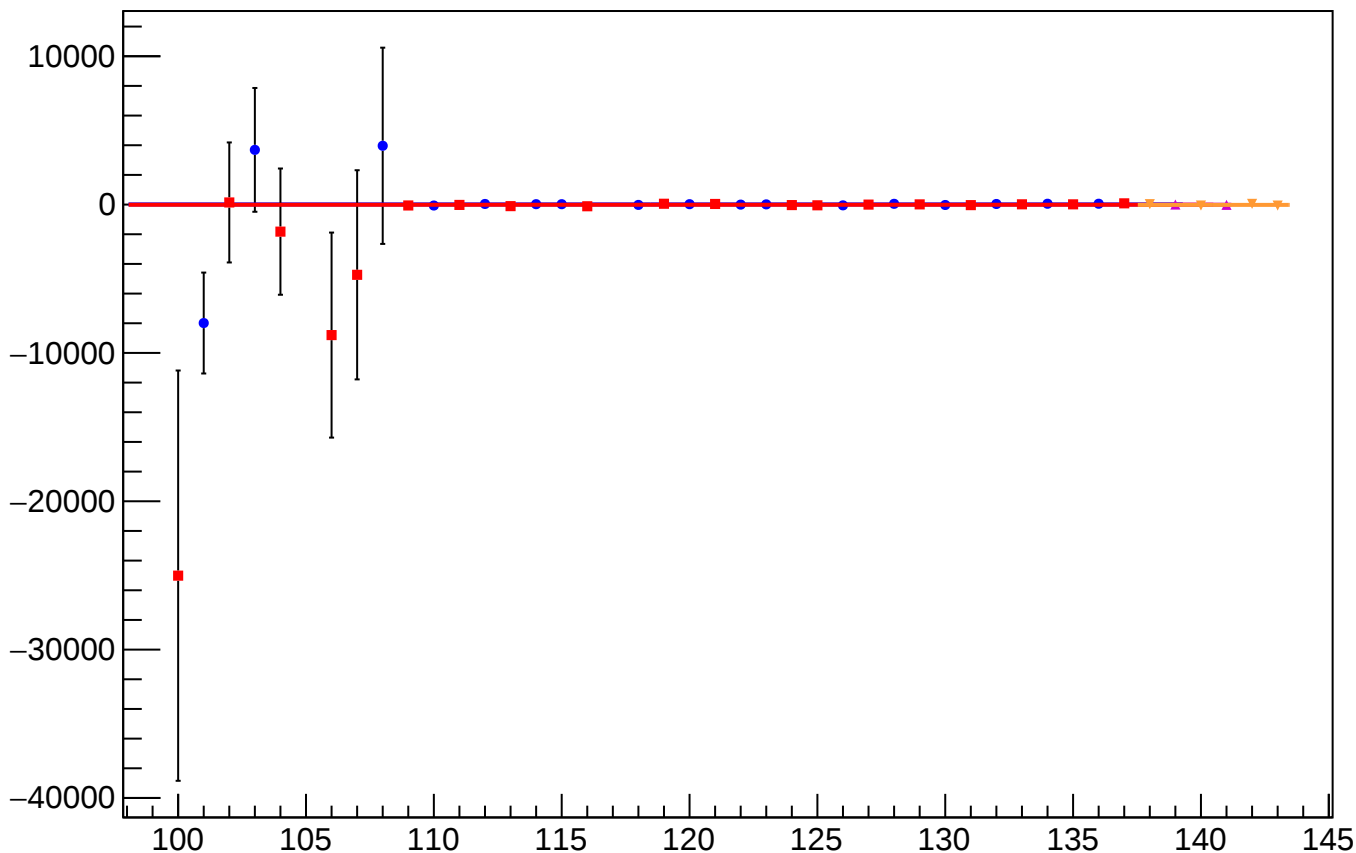
Left In: 215.962+/-0.125 χ^2/NDF : 112.8/1

+ sign 203.630+/-0.053 χ^2/NDF : 3752582.9/20

All: 191.817+/-0.037 χ^2/NDF : 8148355.5/41

- sign 180.530+/-0.052 χ^2/NDF : 4299364.8/20

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 11.464+/-12.227 χ^2/NDF : 18.3/16

Left Out: -20.800+/-18.495 χ^2/NDF : 7.3/3

Right Out: -11.883+/-12.264 χ^2/NDF : 23.9/18

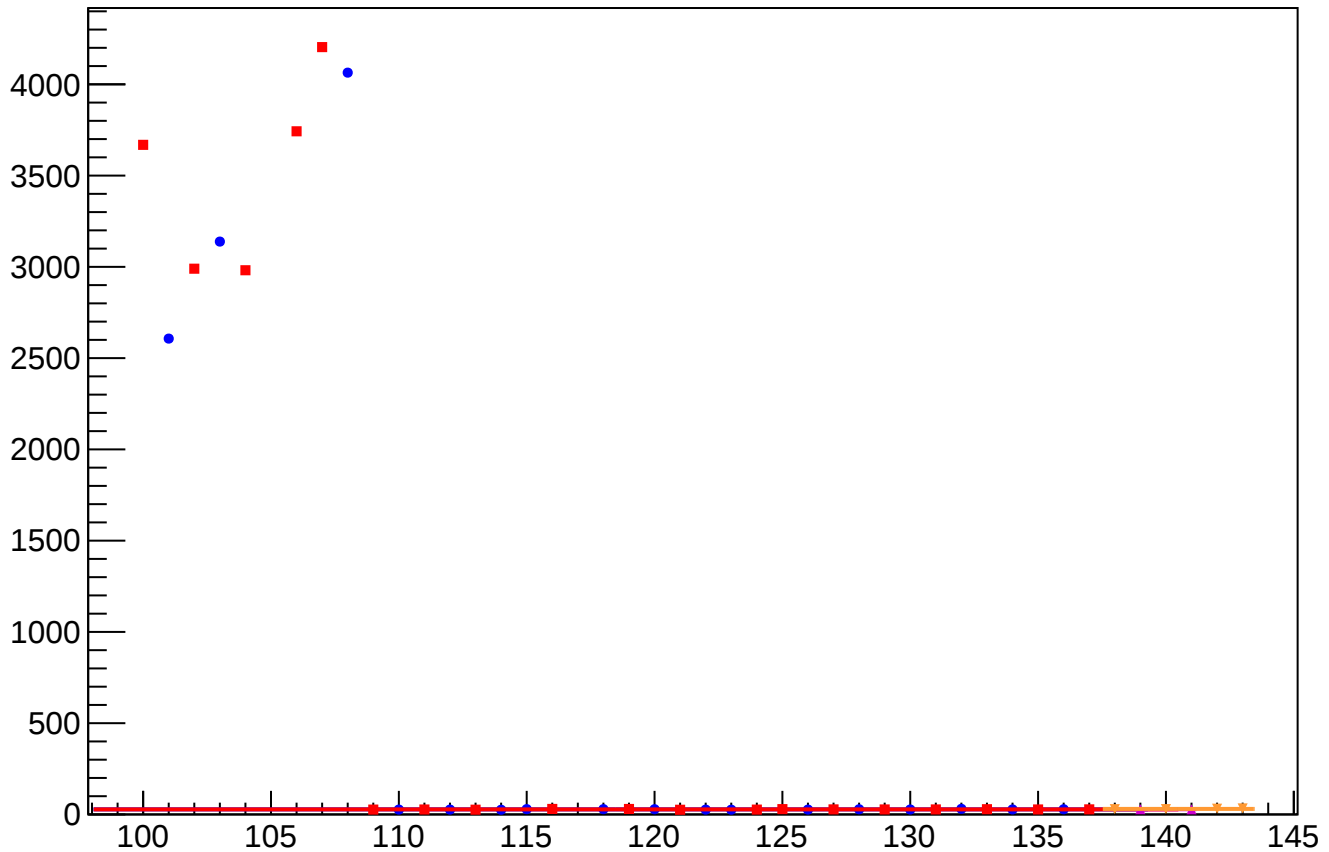
Left In: -8.716+/-23.129 χ^2/NDF : 0.2/1

+ sign 1.652+/-10.200 χ^2/NDF : 27.6/20

All: -4.381+/-7.427 χ^2/NDF : 52.5/41

- sign -11.188+/-10.835 χ^2/NDF : 24.1/20

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.858+/-0.009 χ^2/NDF : 3026949.6/16

Left Out: 30.394+/-0.013 χ^2/NDF : 16867.3/3

Right Out: 27.714+/-0.009 χ^2/NDF : 3476894.0/18

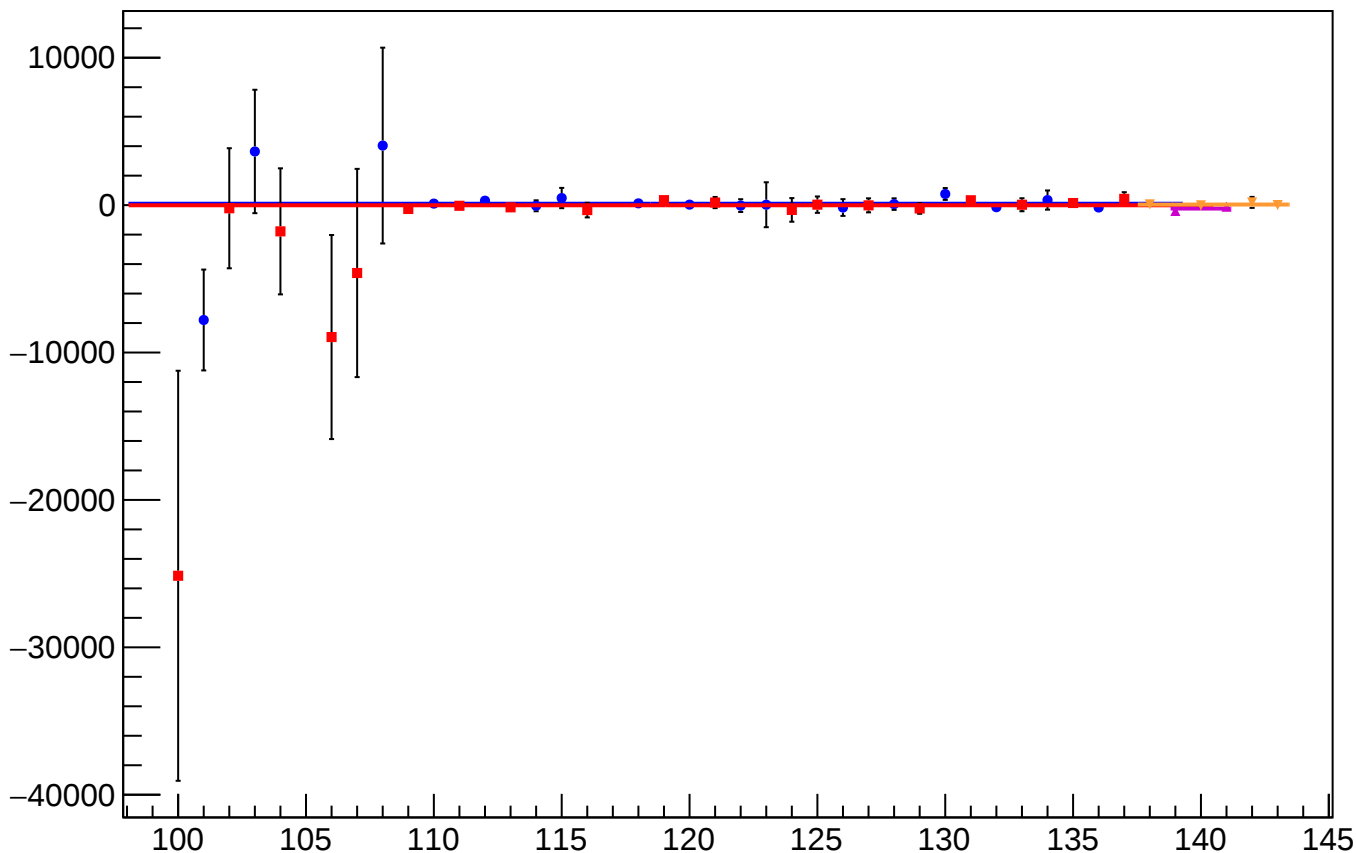
Left In: 28.502+/-0.016 χ^2/NDF : 365.5/1

+ sign 28.629+/-0.007 χ^2/NDF : 3069993.3/20

All: 28.280+/-0.005 χ^2/NDF : 6554046.6/41

- sign 27.887+/-0.008 χ^2/NDF : 3479071.5/20

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 93.805 $\pm$ 87.646 χ^2 /NDF: 12.7/16

Left Out: 40.471 $\pm$ 145.094 χ^2 /NDF: 0.2/3

Right Out: -9.116 $\pm$ 80.662 χ^2 /NDF: 12.8/18

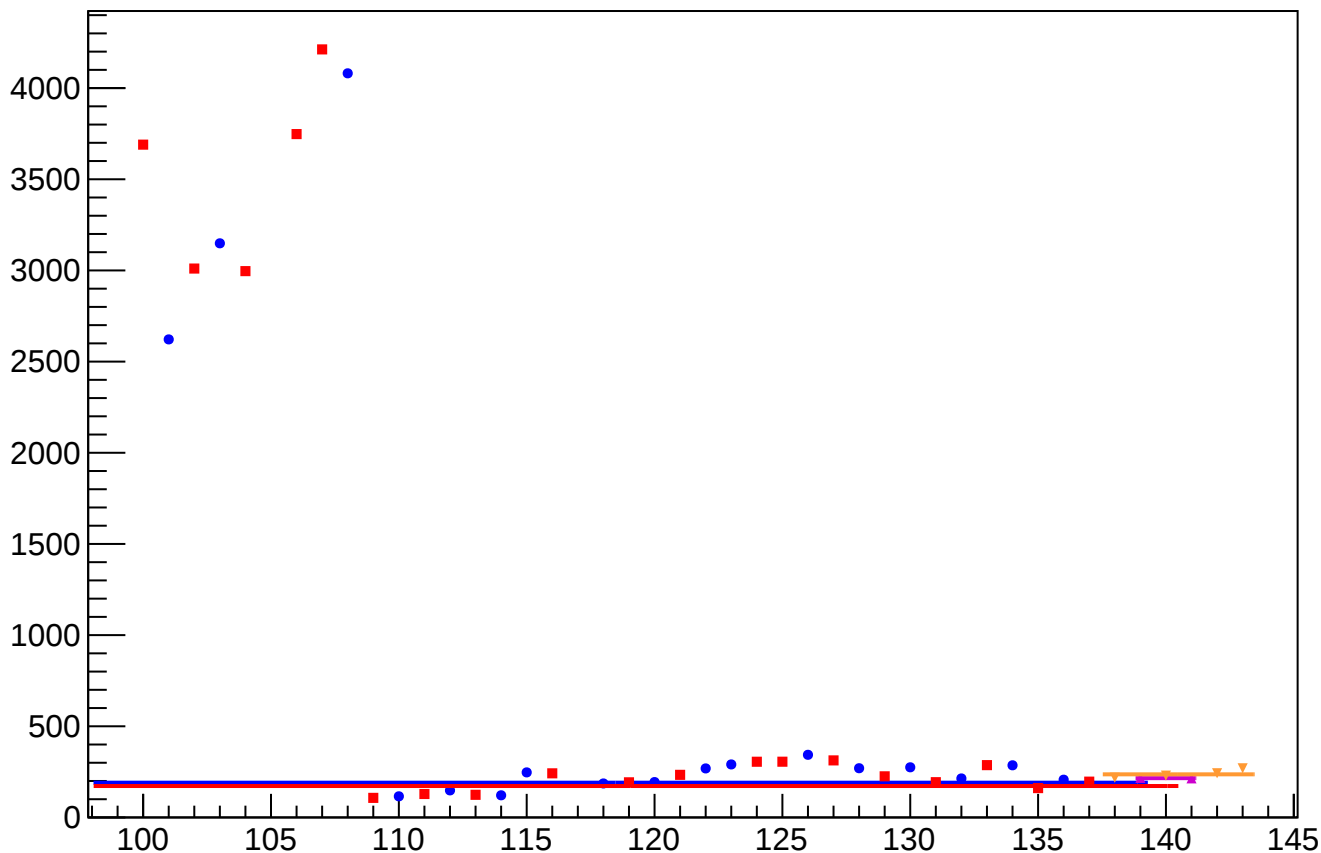
Left In: -232.119 $\pm$ 175.986 χ^2 /NDF: 0.7/1

+ sign 79.547 $\pm$ 75.021 χ^2 /NDF: 13.0/20

All: 14.403 $\pm$ 52.439 χ^2 /NDF: 29.2/41

- sign -47.831 $\pm$ 73.326 χ^2 /NDF: 14.8/20

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.712 $\pm$ 0.062 χ^2 /NDF: 3585407.6/16

Left Out: 236.483 $\pm$ 0.103 χ^2 /NDF: 35336.4/3

Right Out: 172.402 $\pm$ 0.057 χ^2 /NDF: 4212674.3/18

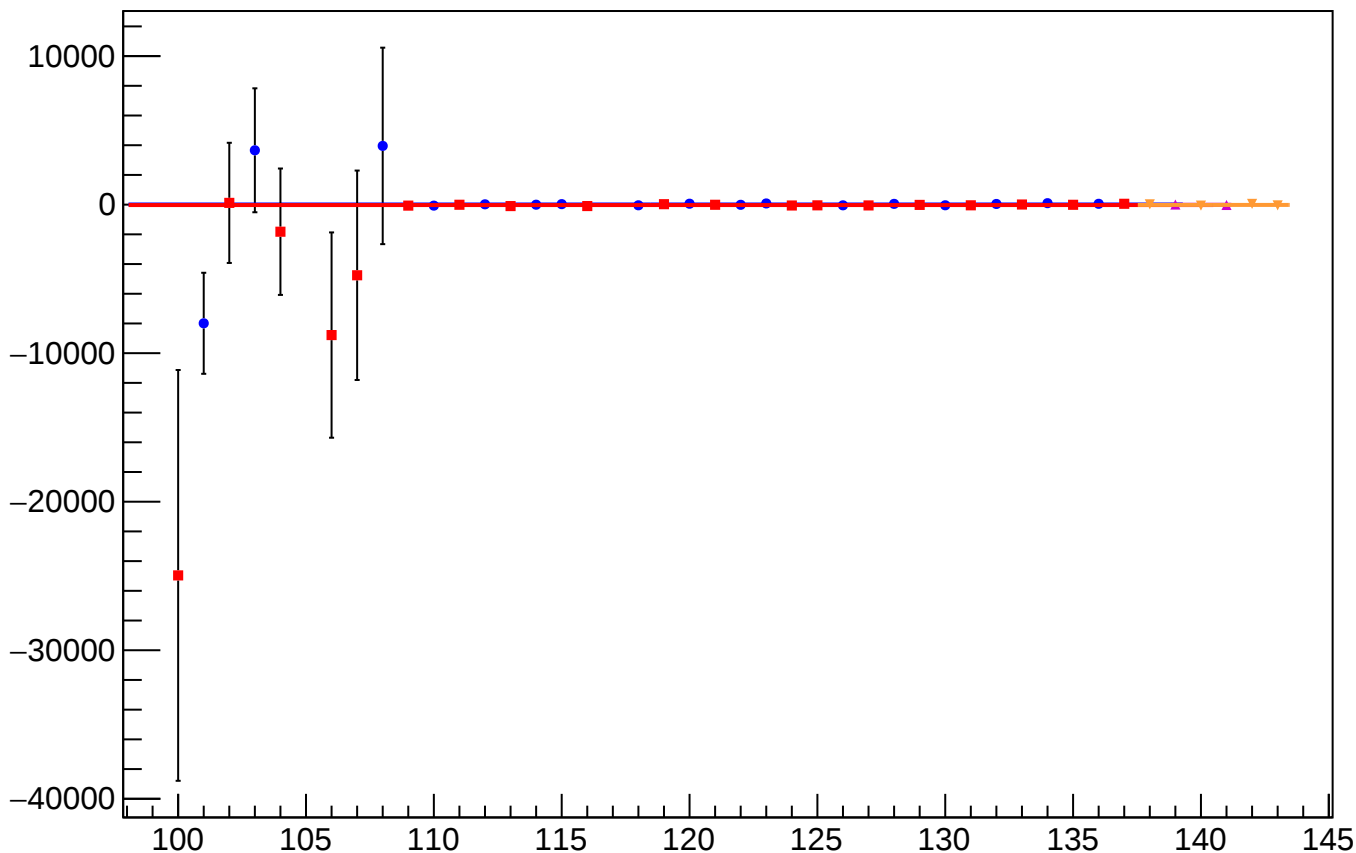
Left In: 215.517 $\pm$ 0.124 χ^2 /NDF: 112.2/1

+ sign 202.949 $\pm$ 0.053 χ^2 /NDF: 3766561.5/20

All: 191.155 $\pm$ 0.037 χ^2 /NDF: 8175202.5/41

- sign 179.887 $\pm$ 0.052 χ^2 /NDF: 4311985.2/20

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 9.486 $\pm$ 12.310 χ^2 /NDF: 22.5/16

Left Out: -19.014 $\pm$ 18.600 χ^2 /NDF: 6.0/3

Right Out: -28.414 $\pm$ 12.365 χ^2 /NDF: 16.2/18

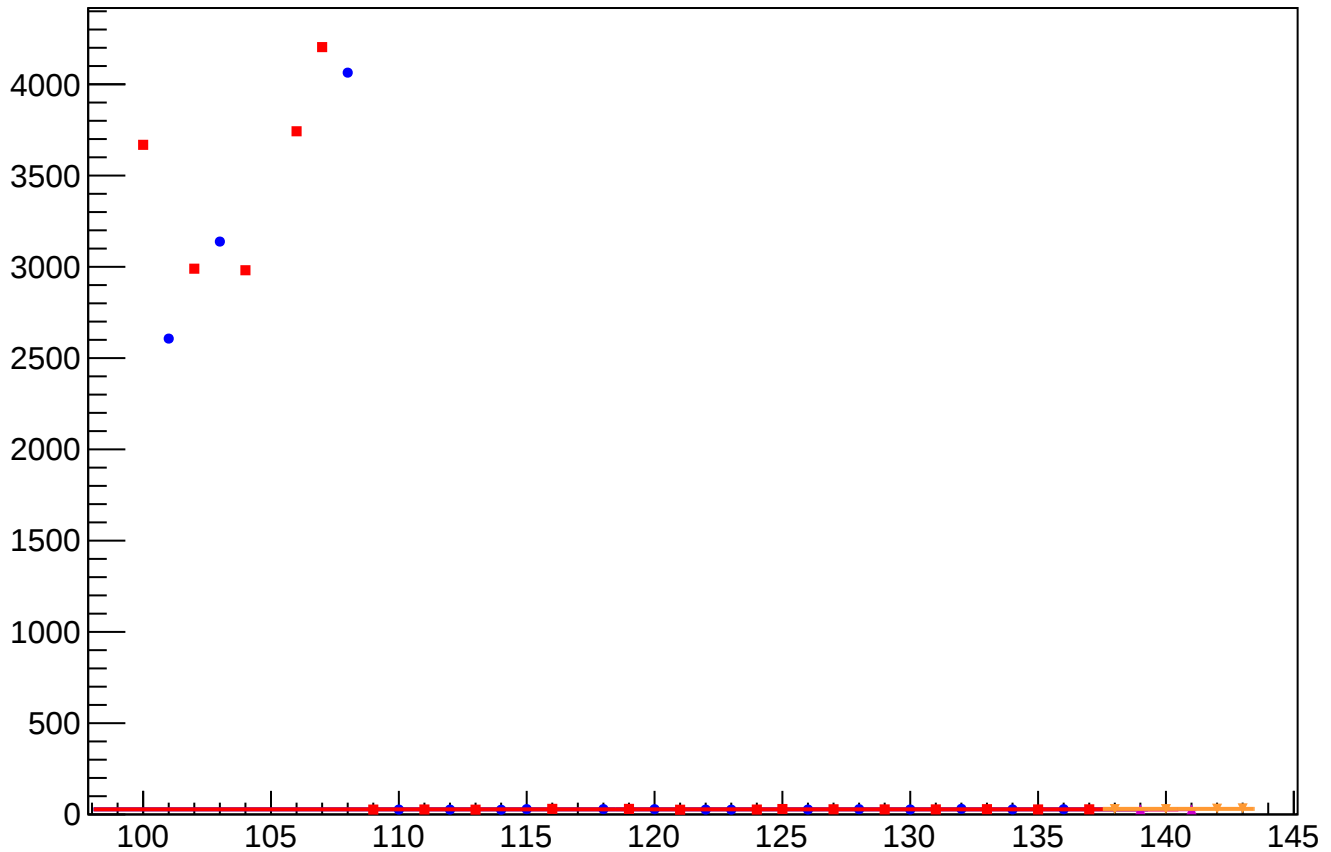
Left In: -9.348 $\pm$ 23.204 χ^2 /NDF: 0.4/1

+ sign 0.805 $\pm$ 10.265 χ^2 /NDF: 30.1/20

All: -10.933 $\pm$ 7.477 χ^2 /NDF: 50.1/41

- sign -24.198 $\pm$ 10.912 χ^2 /NDF: 17.2/20

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 28.041 $\pm$ 0.009 χ^2 /NDF: 3027315.2/16

Left Out: 30.563 $\pm$ 0.013 χ^2 /NDF: 17253.4/3

Right Out: 27.934 $\pm$ 0.009 χ^2 /NDF: 3479779.2/18

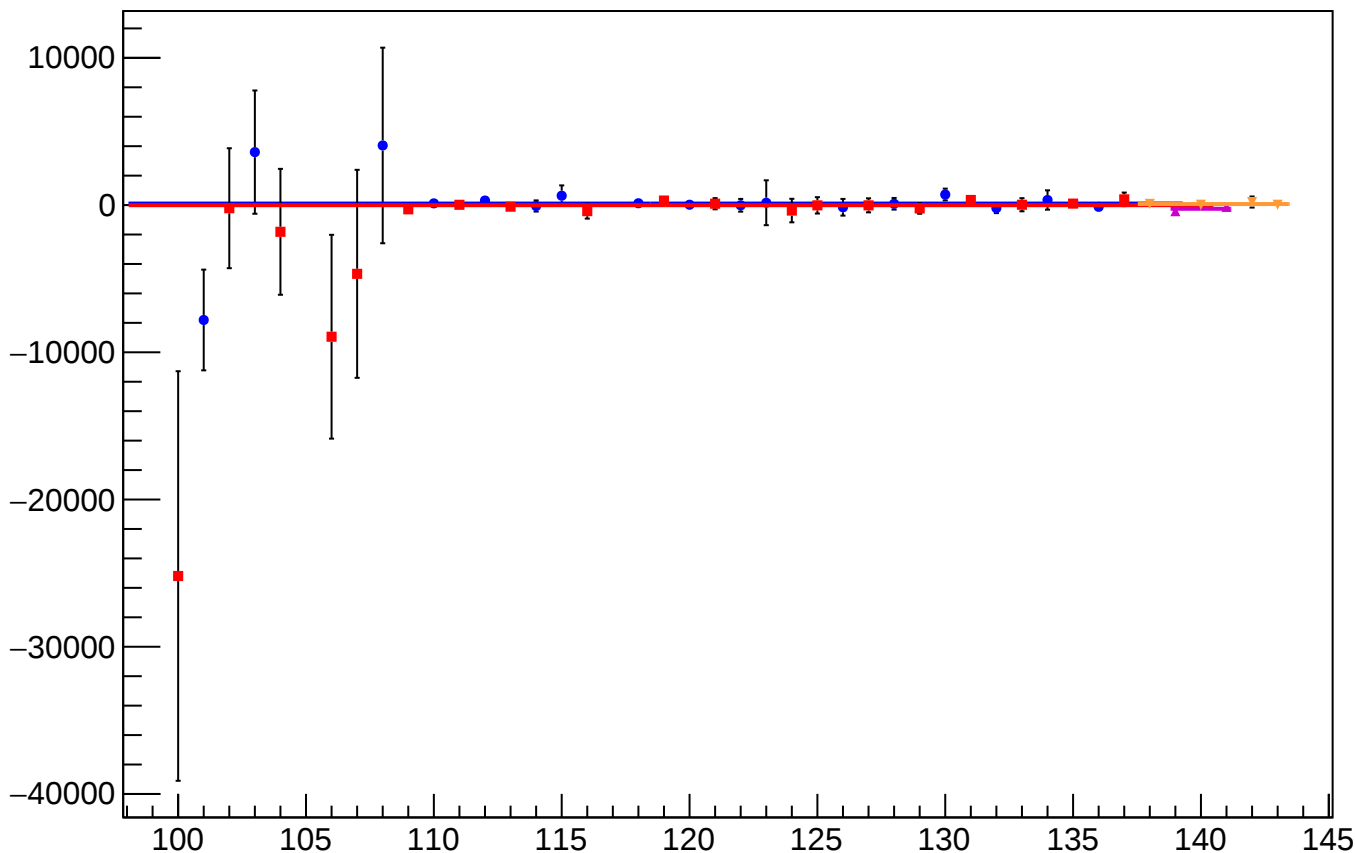
Left In: 28.593 $\pm$ 0.016 χ^2 /NDF: 502.0/1

+ sign 28.809 $\pm$ 0.007 χ^2 /NDF: 3070140.6/20

All: 28.467 $\pm$ 0.005 χ^2 /NDF: 6556416.0/41

- sign 28.080 $\pm$ 0.008 χ^2 /NDF: 3481537.5/20

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug



Right In: 101.587 $\pm$ 88.682 χ^2 /NDF: 12.5/16

Left Out: 70.044 $\pm$ 147.127 χ^2 /NDF: 0.2/3

Right Out: -7.957 $\pm$ 81.751 χ^2 /NDF: 12.3/18

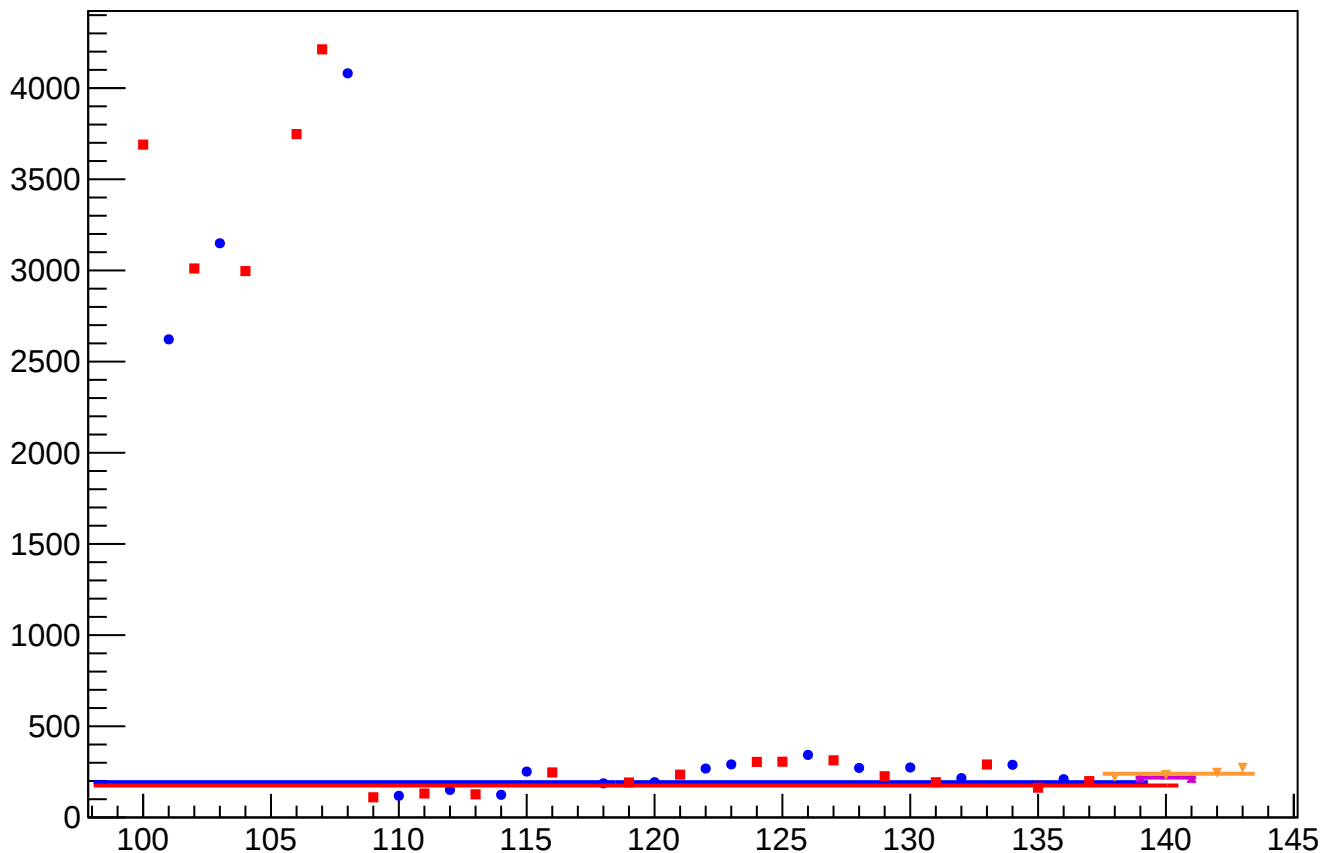
Left In: -251.384 $\pm$ 178.366 χ^2 /NDF: 0.7/1

+ sign 93.181 $\pm$ 75.952 χ^2 /NDF: 12.8/20

All: 19.923 $\pm$ 53.119 χ^2 /NDF: 29.1/41

- sign -50.217 $\pm$ 74.317 χ^2 /NDF: 14.5/20

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.420+/-0.063 χ^2/NDF : 3538238.9/16

Left Out: 239.871+/-0.104 χ^2/NDF : 32969.1/3

Right Out: 175.281+/-0.058 χ^2/NDF : 4160209.8/18

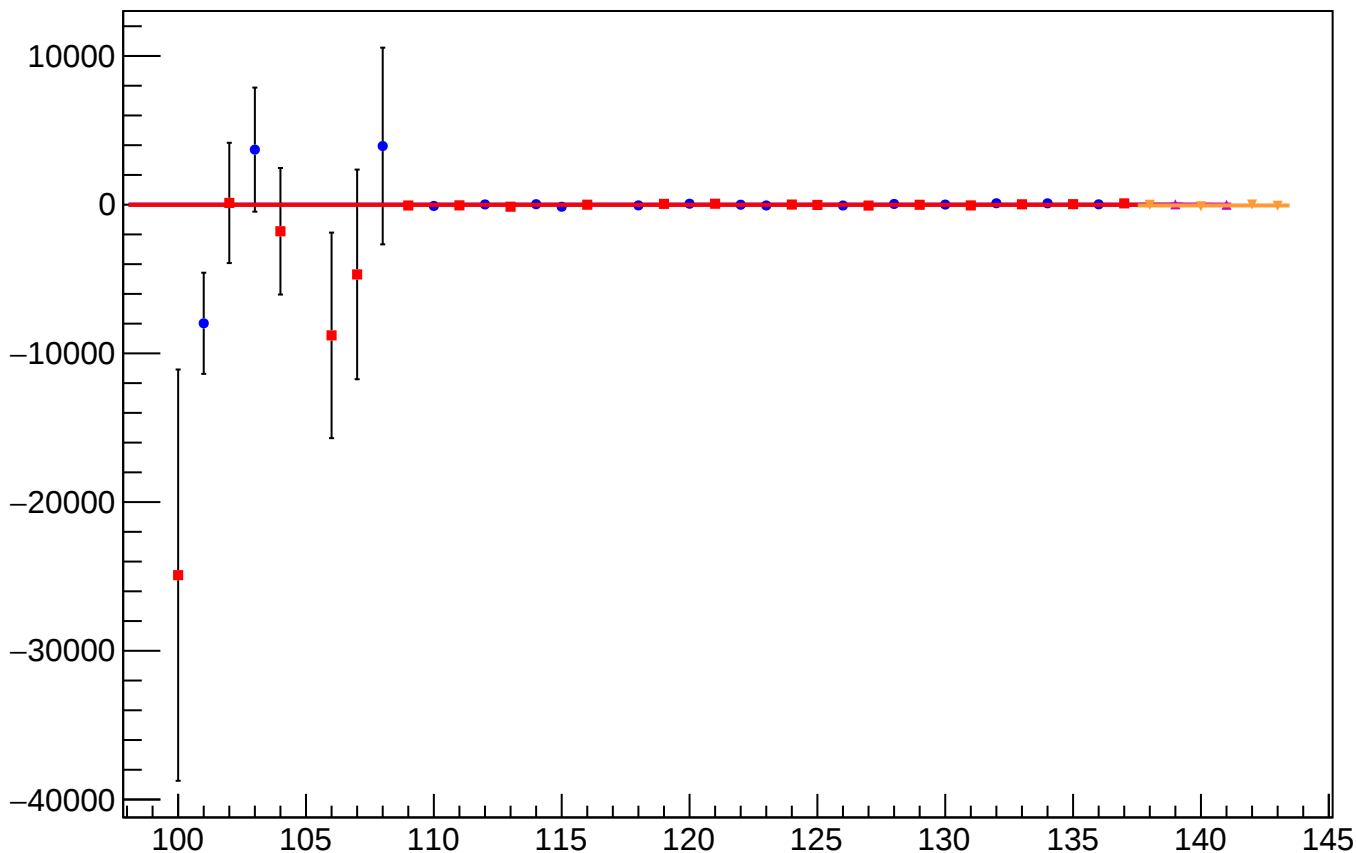
Left In: 218.461+/-0.126 χ^2/NDF : 105.0/1

+ sign 205.799+/-0.054 χ^2/NDF : 3717440.9/20

All: 194.038+/-0.038 χ^2/NDF : 8068490.7/41

- sign 182.777+/-0.053 χ^2/NDF : 4257177.1/20

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 6.177 ± 14.983 χ^2/NDF : 20.1/16

Left Out: -51.649 ± 22.138 χ^2/NDF : 4.5/3

Right Out: -11.632 ± 14.990 χ^2/NDF : 21.2/18

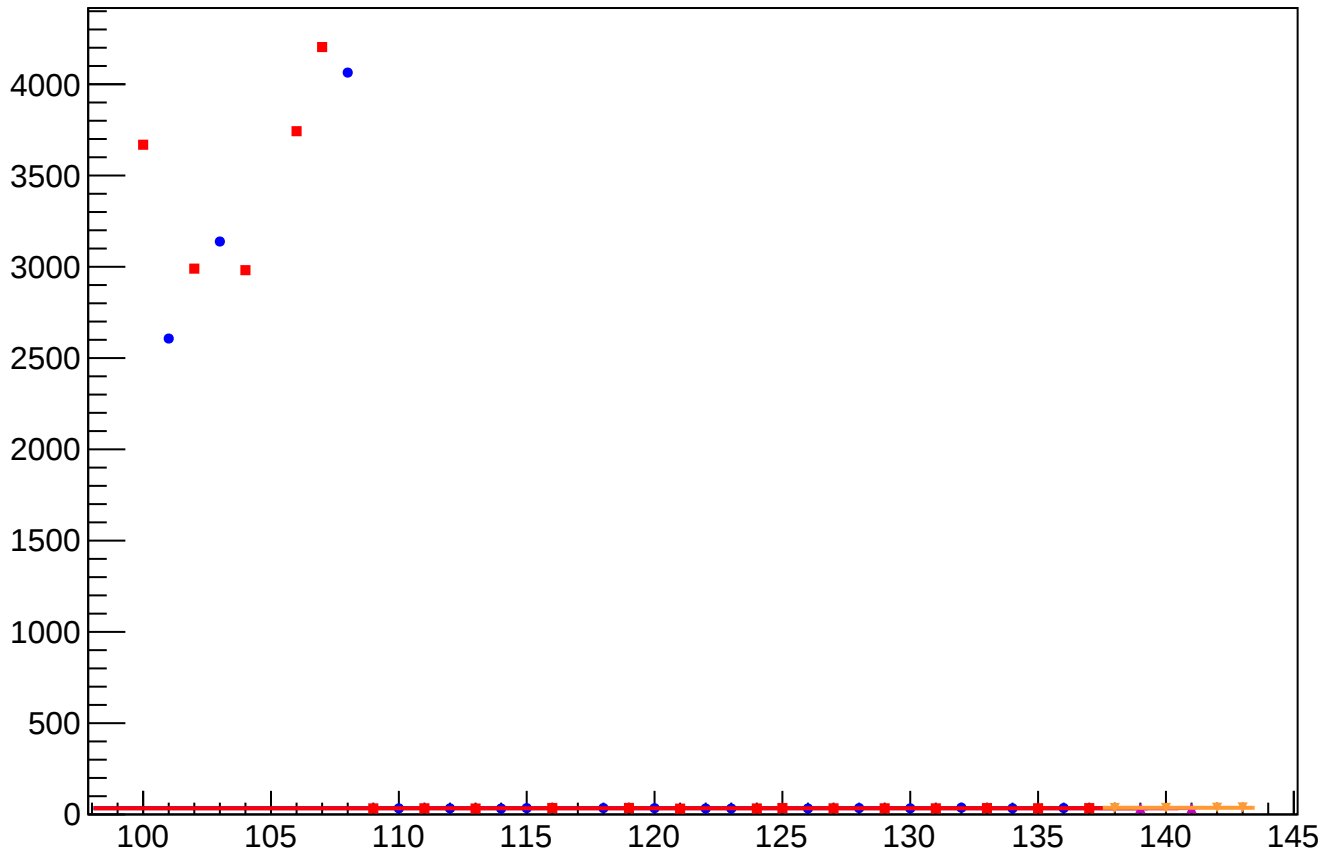
Left In: 7.990 ± 28.335 χ^2/NDF : 0.3/1

+ sign -11.989 ± 12.408 χ^2/NDF : 29.3/20

All: -9.817 ± 9.057 χ^2/NDF : 51.2/41

- sign -7.341 ± 13.250 χ^2/NDF : 21.9/20

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 34.169+/-0.011 χ^2/NDF : 3006128.0/16

Left Out: 36.481+/-0.016 χ^2/NDF : 6105.1/3

Right Out: 33.933+/-0.011 χ^2/NDF : 3451992.5/18

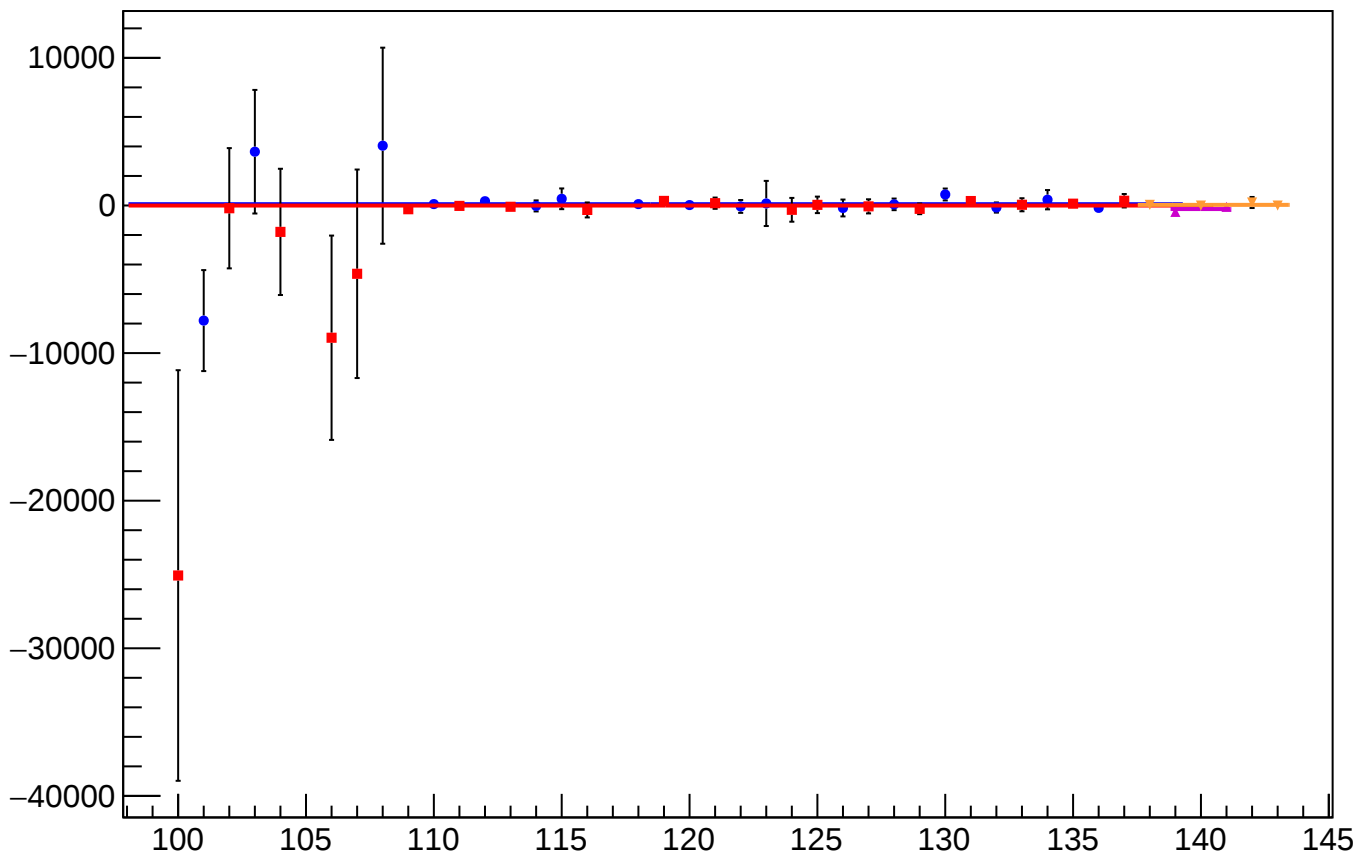
Left In: 34.945+/-0.020 χ^2/NDF : 188.4/1

+ sign 34.895+/-0.009 χ^2/NDF : 3027199.9/20

All: 34.549+/-0.006 χ^2/NDF : 6484707.7/41

- sign 34.154+/-0.009 χ^2/NDF : 3454176.0/20

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: 86.712 $\pm$ 88.241 χ^2 /NDF: 12.5/16

Left Out: 41.522 $\pm$ 145.864 χ^2 /NDF:0.2/3

Right Out: -3.827 $\pm$ 81.231 χ^2 /NDF: 11.1/18

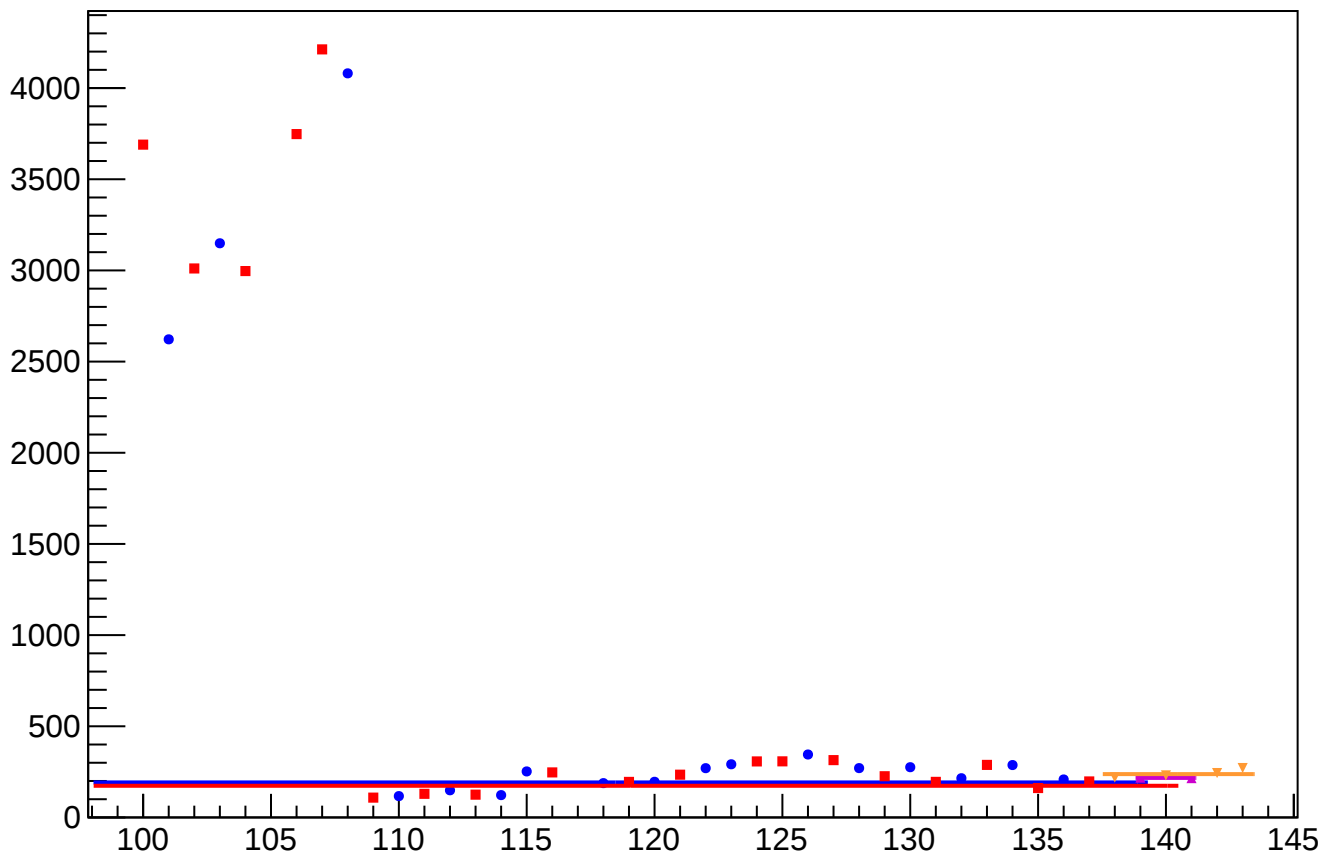
Left In: -241.584 $\pm$ 177.047 χ^2 /NDF:0.9/1

+ sign 74.604 $\pm$ 75.501 χ^2 /NDF: 12.8/20

All: 13.376 $\pm$ 52.787 χ^2 /NDF: 27.6/41

- sign -45.173 $\pm$ 73.831 χ^2 /NDF: 13.5/20

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 192.118 $\pm$ 0.062 χ^2 /NDF: 3575311.3/16

Left Out: 237.741 $\pm$ 0.103 χ^2 /NDF: 35408.0/3

Right Out: 173.728 $\pm$ 0.057 χ^2 /NDF: 4205626.6/18

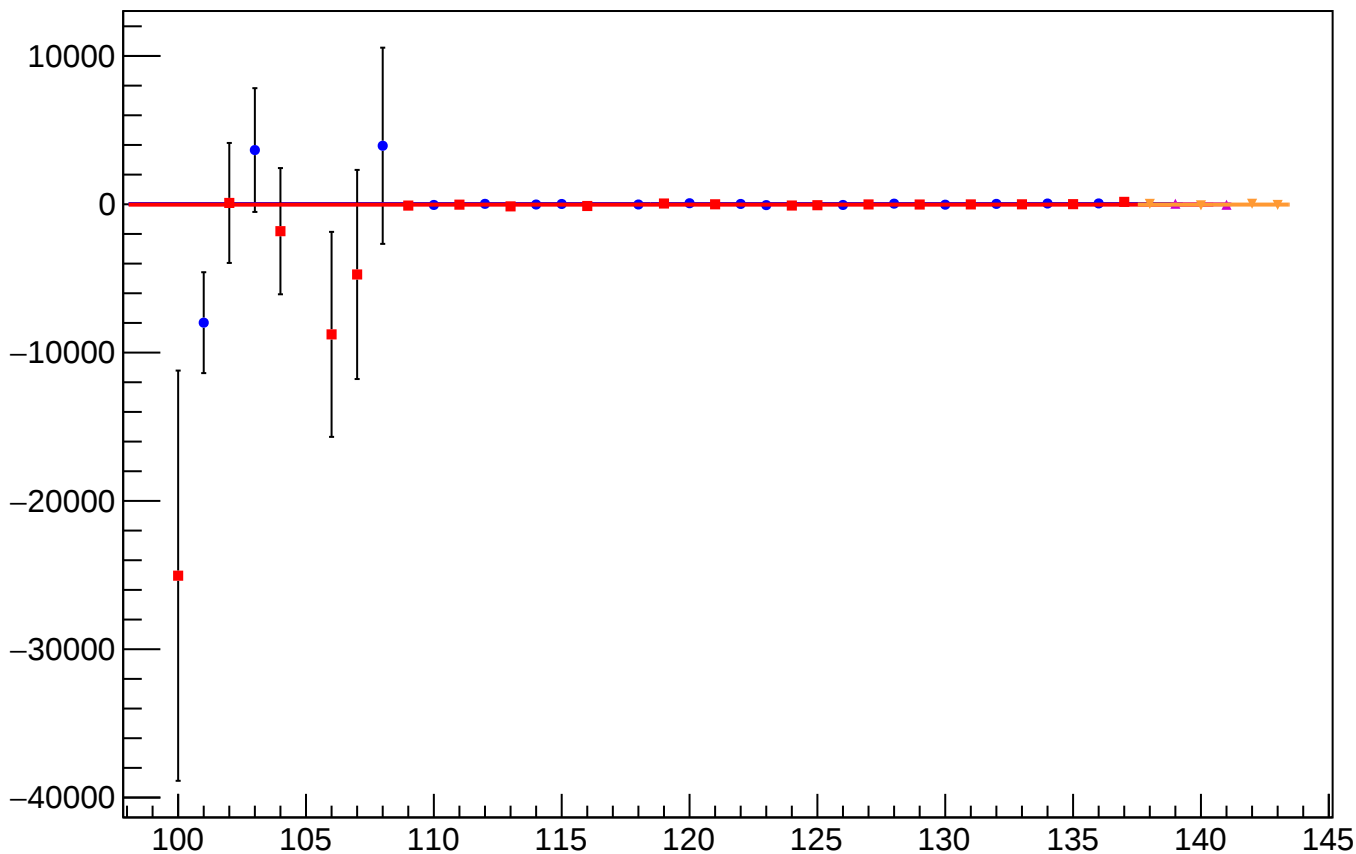
Left In: 216.823 $\pm$ 0.125 χ^2 /NDF: 100.0/1

+ sign 204.341 $\pm$ 0.053 χ^2 /NDF: 3753958.1/20

All: 192.523 $\pm$ 0.037 χ^2 /NDF: 8153440.1/41

- sign 181.222 $\pm$ 0.052 χ^2 /NDF: 4303616.6/20

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 14.225 $\pm$ 13.662 χ^2 /NDF: 14.8/16

Left Out: -20.011 $\pm$ 20.235 χ^2 /NDF:5.1/3

Right Out: -22.859 $\pm$ 13.697 χ^2 /NDF: 27.3/18

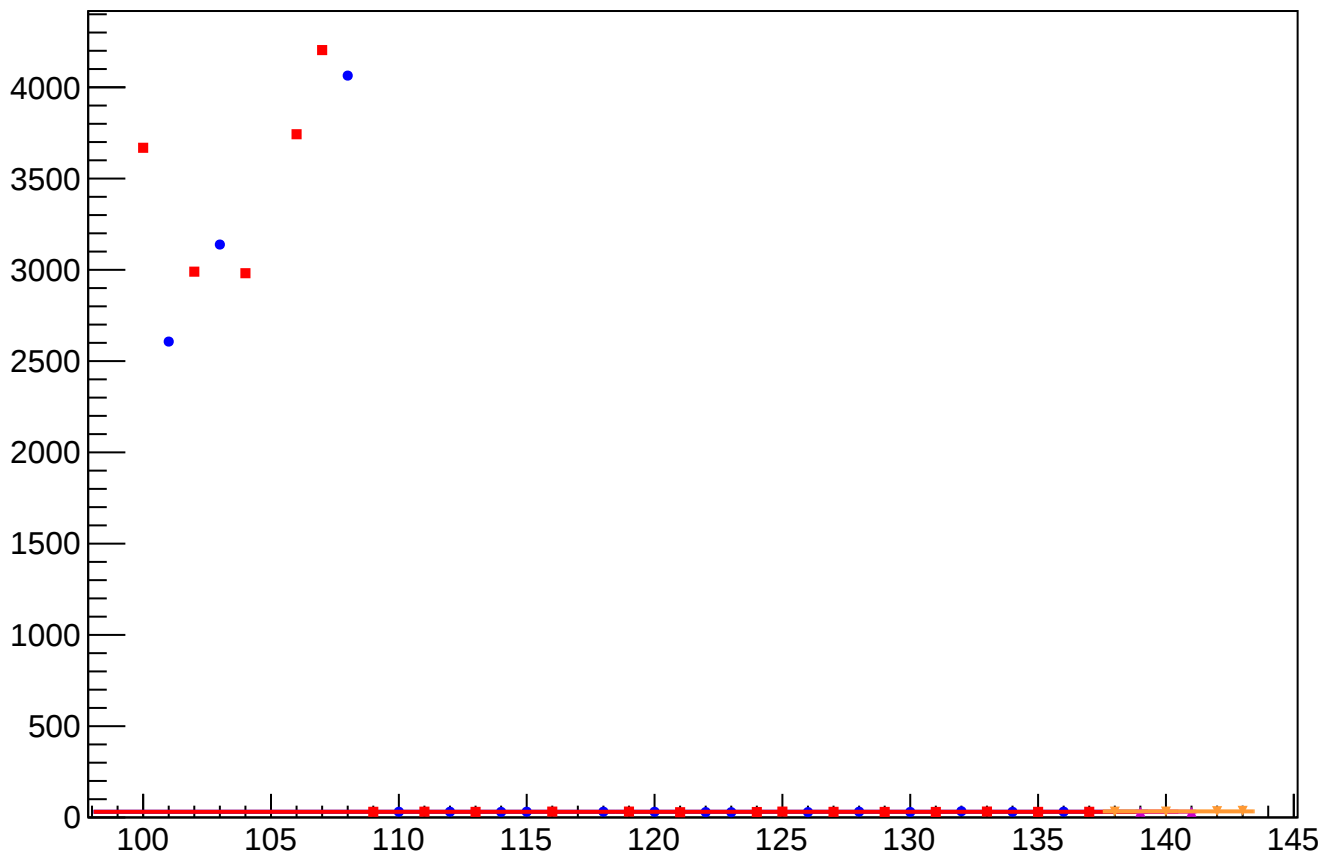
Left In: -1.835 $\pm$ 25.471 χ^2 /NDF:1.8/1

+ sign 3.505 $\pm$ 11.323 χ^2 /NDF: 21.8/20

All: -6.635 $\pm$ 8.256 χ^2 /NDF: 53.2/41

- sign -18.143 $\pm$ 12.063 χ^2 /NDF: 29.7/20

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 31.158 $\pm$ 0.010 χ^2 /NDF: 3014166.6/16

Left Out: 33.287 $\pm$ 0.014 χ^2 /NDF: 14880.8/3

Right Out: 30.985 $\pm$ 0.010 χ^2 /NDF: 3458900.0/18

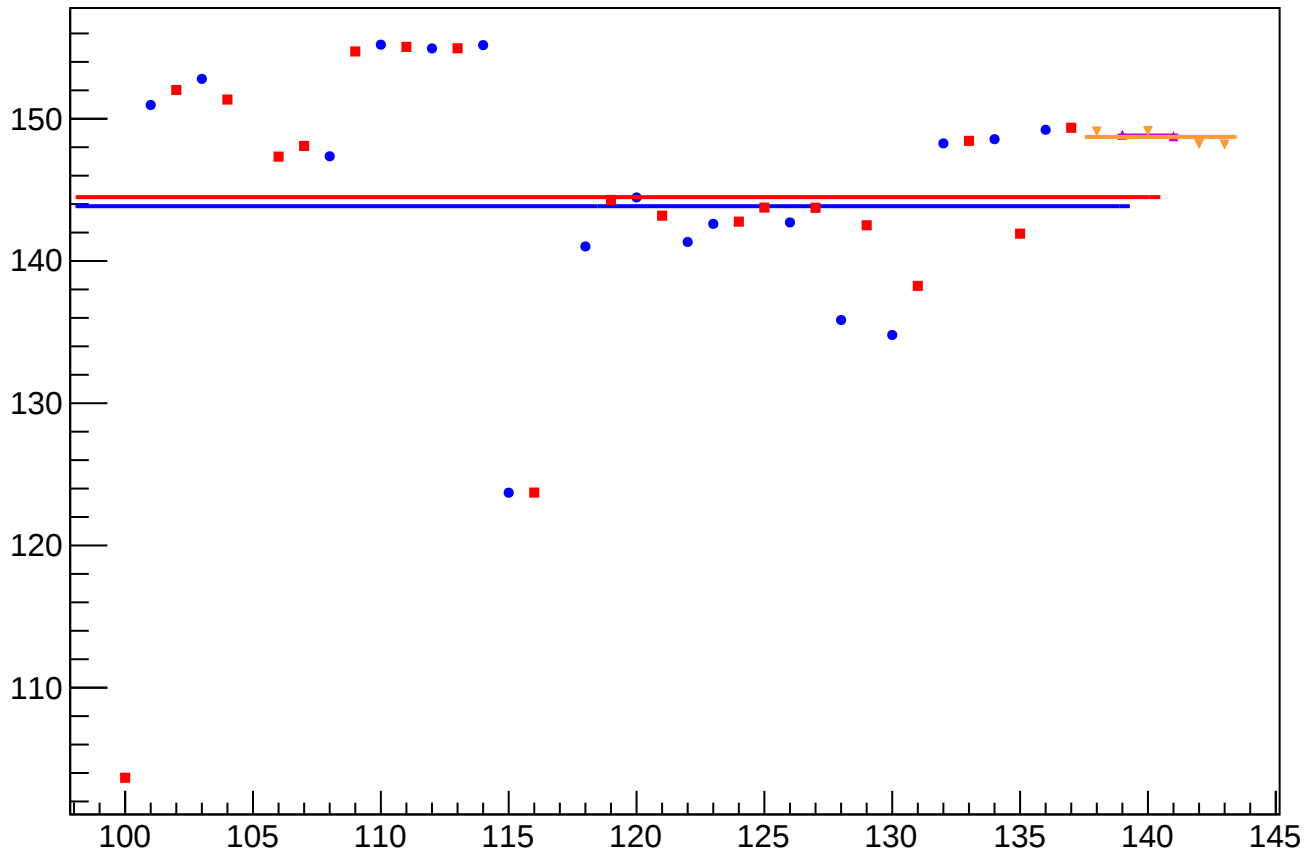
Left In: 31.406 $\pm$ 0.018 χ^2 /NDF: 268.8/1

+ sign 31.824 $\pm$ 0.008 χ^2 /NDF: 3044265.1/20

All: 31.476 $\pm$ 0.006 χ^2 /NDF: 6507914.4/41

- sign 31.079 $\pm$ 0.009 χ^2 /NDF: 3459593.4/20

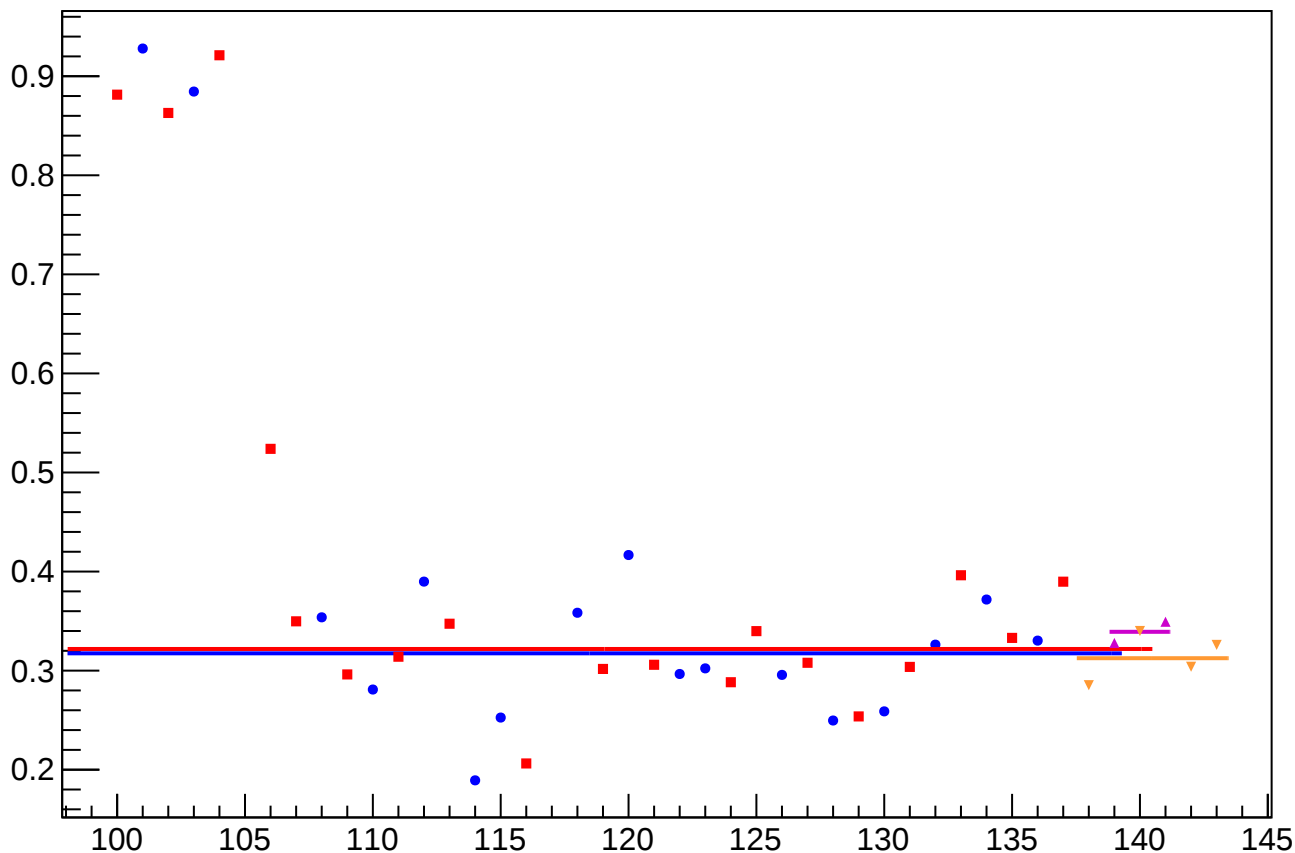
yield_bcm_an_ds_mean vs Slug



Right In: 143.854 $\pm$ 0.000 χ^2 /NDF: 3448306444.5/16
 Left Out: 148.724 $\pm$ 0.000 χ^2 /NDF: 5596304.0/3
 Right Out: 144.491 $\pm$ 0.000 χ^2 /NDF: 4184461794.3/18
 Left In: 148.823 $\pm$ 0.000 χ^2 /NDF: 38080.7/1

+ sign 145.451 $\pm$ 0.000 χ^2 /NDF: 3883672916.8/20
 All: 145.379 $\pm$ 0.000 χ^2 /NDF: 8265500606.7
 - sign 145.294 $\pm$ 0.000 χ^2 /NDF: 4380908024.9/20

yield_bcm_an_ds_rms vs Slug



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1273243.2/16

Left Out: 0.313 $\pm$ 0.000 χ^2 /NDF:26329.0/3

Right Out: 0.322 $\pm$ 0.000 χ^2 /NDF: 1215219.2/18

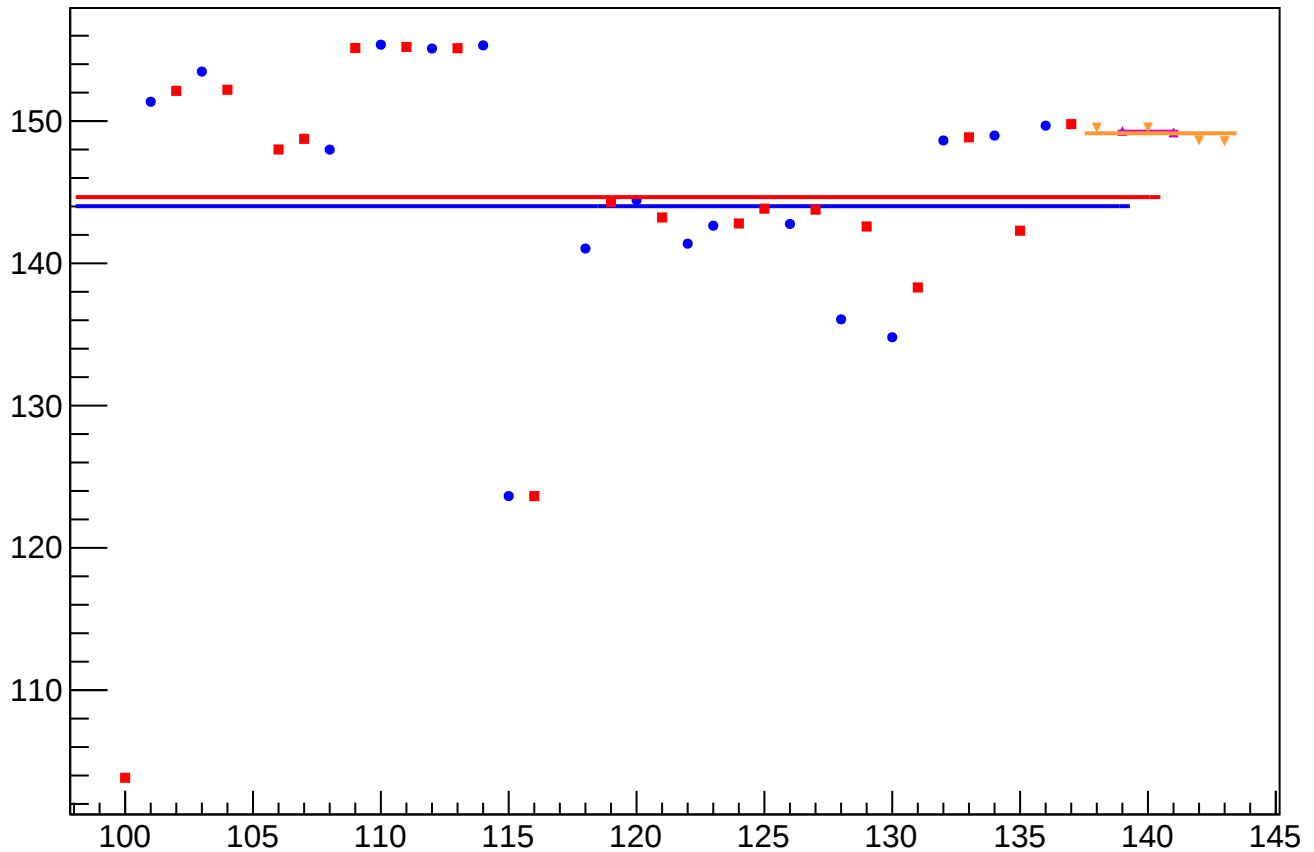
Left In: 0.339 $\pm$ 0.000 χ^2 /NDF:2936.9/1

+ sign 0.316 $\pm$ 0.000 χ^2 /NDF: 1300450.0/20

All: 0.320 $\pm$ 0.000 χ^2 /NDF: 2531277.5/41

- sign 0.325 $\pm$ 0.000 χ^2 /NDF: 1224440.5/20

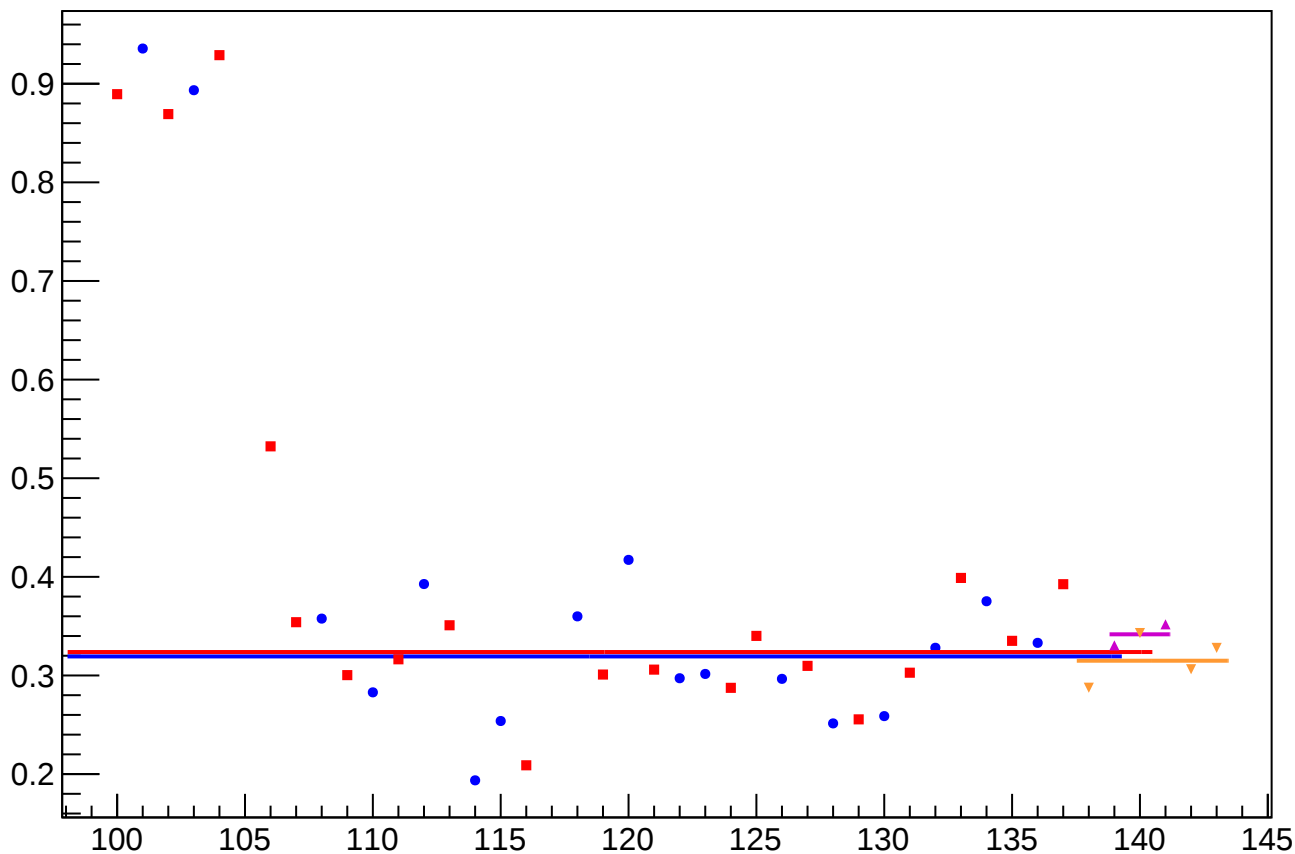
yield_bcm_an_ds3_mean vs Slug



Right In: 144.016 $\pm$ 0.000 χ^2 /NDF: 3492221319.5/16
 Left Out: 149.142 $\pm$ 0.000 χ^2 /NDF: 5717637.9/3
 Right Out: 144.655 $\pm$ 0.000 χ^2 /NDF: 4208783732.4/18
 Left In: 149.253 $\pm$ 0.000 χ^2 /NDF: 30350.8/1

+ sign 145.692 $\pm$ 0.000 χ^2 /NDF: 3967204637.4/20
 All: 145.607 $\pm$ 0.000 χ^2 /NDF: 8395426841.6
 - sign 145.506 $\pm$ 0.000 χ^2 /NDF: 4426928372.5/20

yield_bcm_an_ds3_rms vs Slug



Right In: 0.319 $\pm$ 0.000 χ^2 /NDF: 1274809.7/16

Left Out: 0.315 $\pm$ 0.000 χ^2 /NDF:26323.4/3

Right Out: 0.324 $\pm$ 0.000 χ^2 /NDF: 1217547.6/18

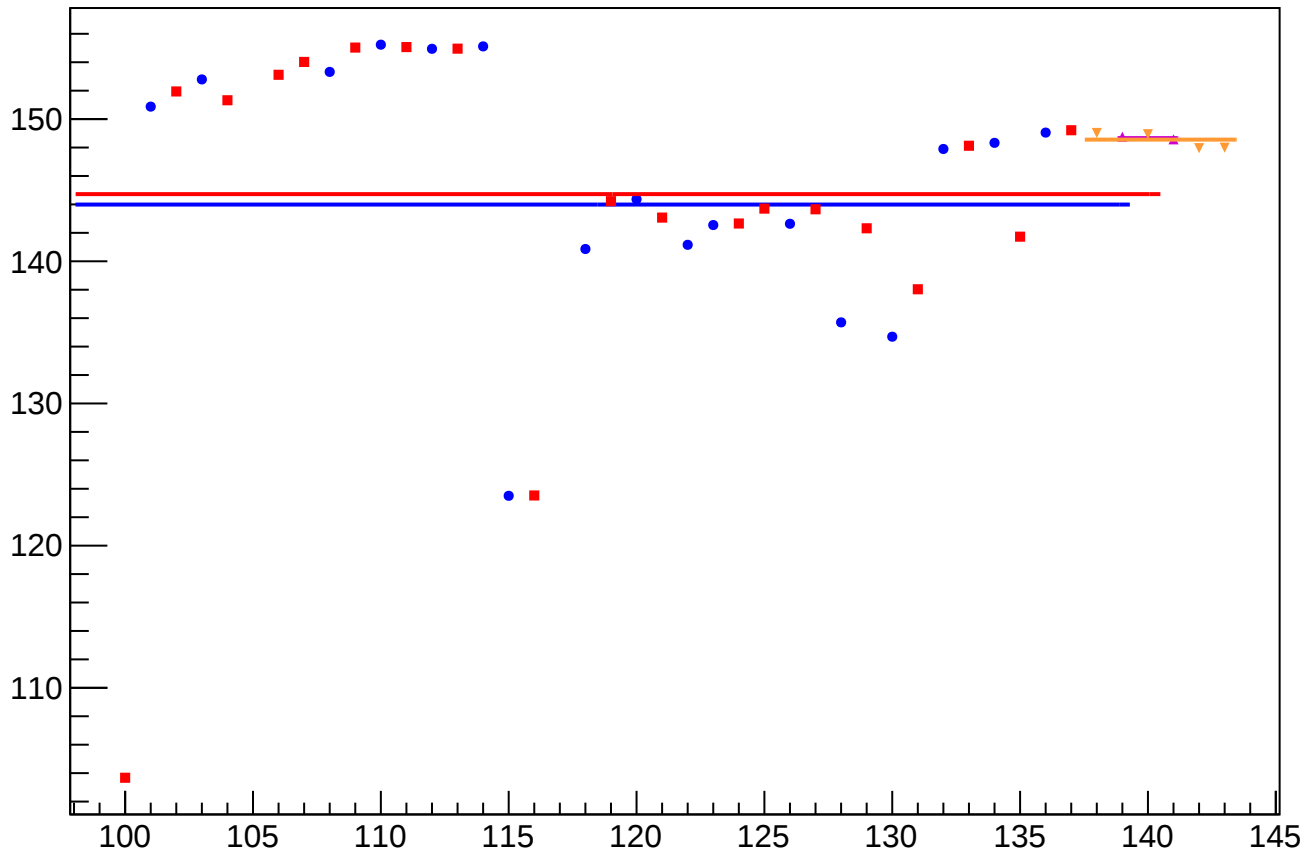
Left In: 0.342 $\pm$ 0.000 χ^2 /NDF:2875.4/1

+ sign 0.318 $\pm$ 0.000 χ^2 /NDF: 1301806.4/20

All: 0.322 $\pm$ 0.000 χ^2 /NDF: 2535184.8/41

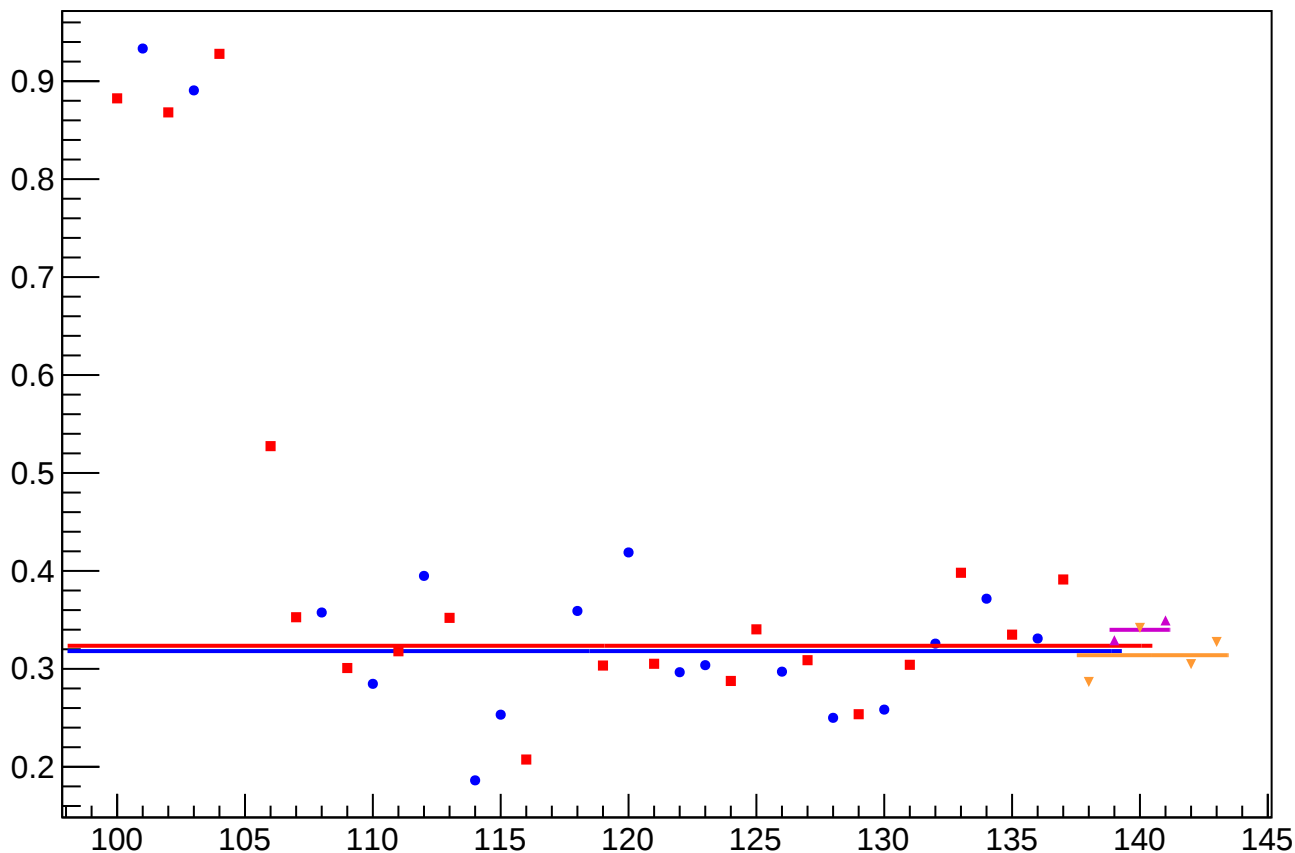
- sign 0.327 $\pm$ 0.000 χ^2 /NDF: 1227075.3/20

yield_bcm_an_us_mean vs Slug



Right In: 143.990 $\pm$ 0.000 χ^2 /NDF: 3661758828.8/16
 Left Out: 148.557 $\pm$ 0.000 χ^2 /NDF: 6701325.4/3
 Right Out: 144.724 $\pm$ 0.000 χ^2 /NDF: 4474261871.8/18
 Left In: 148.665 $\pm$ 0.000 χ^2 /NDF: 109006.2/1
 + sign 145.484 $\pm$ 0.000 χ^2 /NDF: 4043299056.3/20
 All: 145.473 $\pm$ 0.000 χ^2 /NDF: 8679362848.0
 - sign 145.459 $\pm$ 0.000 χ^2 /NDF: 4636040336.5/20

yield_bcm_an_us_rms vs Slug



Right In: 0.318 $\pm$ 0.000 χ^2 /NDF: 1287972.7/16

Left Out: 0.314 $\pm$ 0.000 χ^2 /NDF: 26568.2/3

Right Out: 0.324 $\pm$ 0.000 χ^2 /NDF: 1220104.3/18

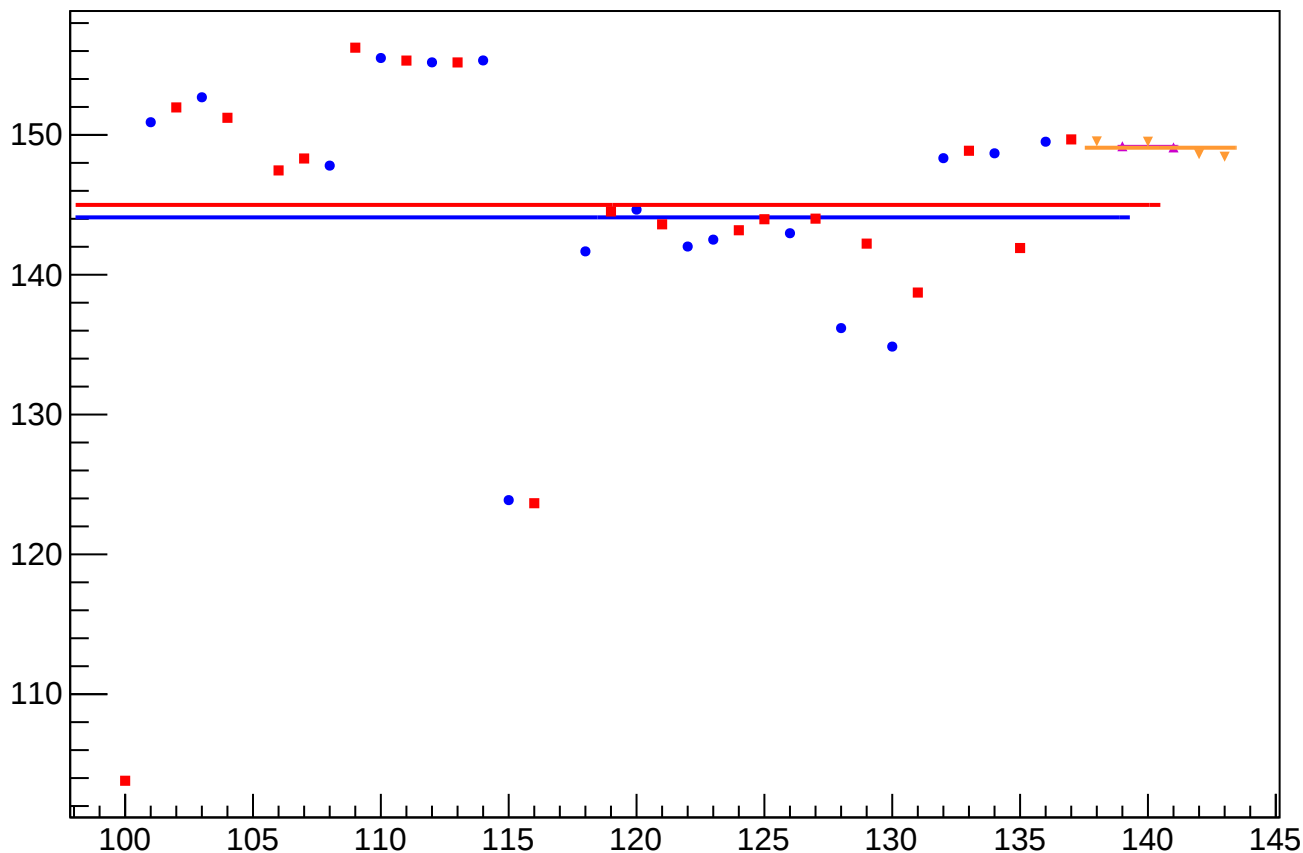
Left In: 0.340 $\pm$ 0.000 χ^2 /NDF: 2617.0/1

+ sign 0.317 $\pm$ 0.000 χ^2 /NDF: 1315172.7/20

All: 0.321 $\pm$ 0.000 χ^2 /NDF: 2550650.0/41

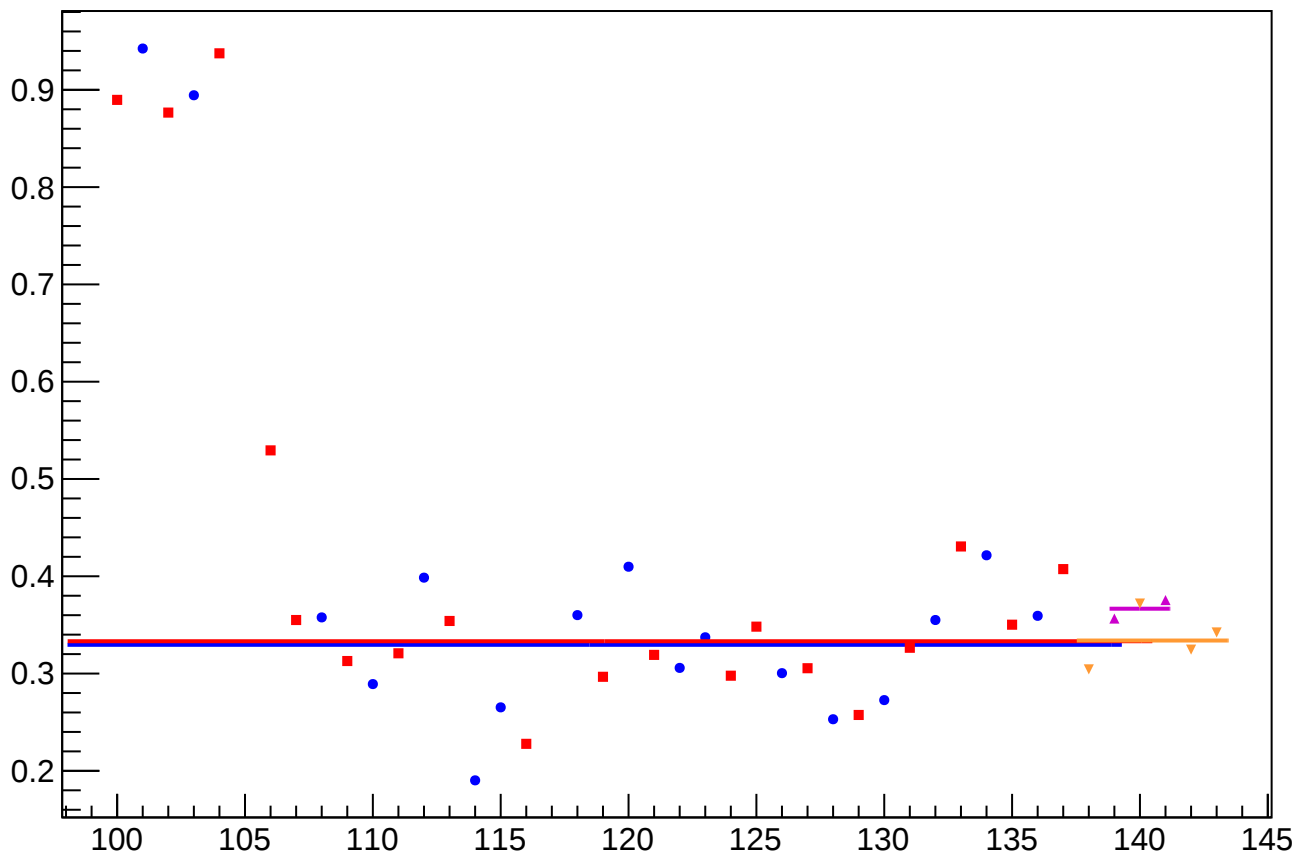
- sign 0.327 $\pm$ 0.000 χ^2 /NDF: 1228250.1/20

yield_bcm_dg_us_mean vs Slug



Right In: 144.104 $\pm$ 0.000	χ^2 /NDF: 3160280337.5/16	+ sign 145.661 $\pm$ 0.000	χ^2 /NDF: 3562387388.3/20
Left Out: 149.085 $\pm$ 0.000	χ^2 /NDF: 5956920.6/3	All: 145.683 $\pm$ 0.000	χ^2 /NDF: 7572790129.1
Right Out: 144.995 $\pm$ 0.000	χ^2 /NDF: 3854490205.5/18	- sign 145.708 $\pm$ 0.000	χ^2 /NDF: 4010327122.5/20
Left In: 149.147 $\pm$ 0.000	χ^2 /NDF: 18931.3/1		

yield_bcm_dg_us_rms vs Slug



Right In: 0.330 $\pm$ 0.000 χ^2 /NDF: 1270354.0/16

Left Out: 0.334 $\pm$ 0.000 χ^2 /NDF:30838.8/3

Right Out: 0.333 $\pm$ 0.000 χ^2 /NDF: 1179001.1/18

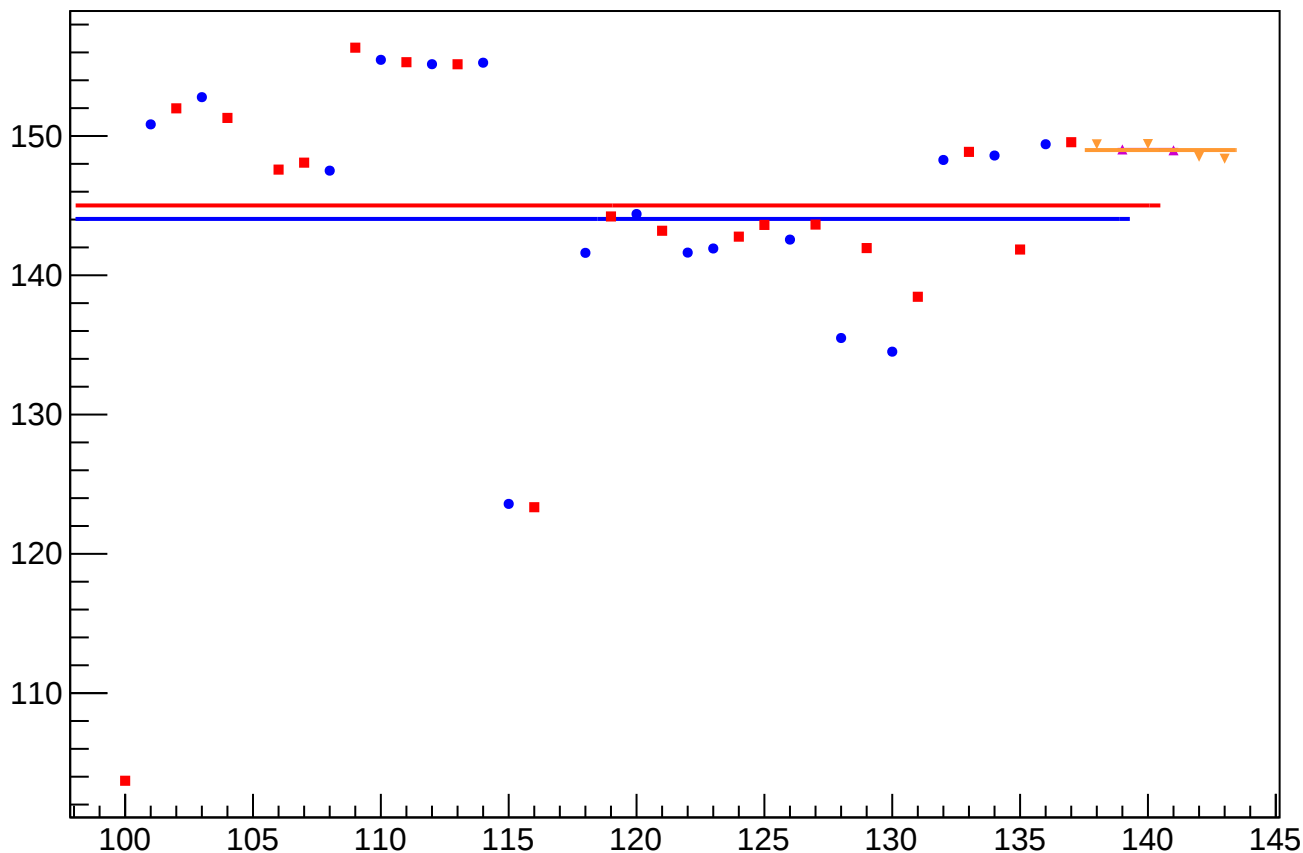
Left In: 0.367 $\pm$ 0.000 χ^2 /NDF:1962.8/1

+ sign 0.331 $\pm$ 0.000 χ^2 /NDF: 1301810.9/20

All: 0.335 $\pm$ 0.000 χ^2 /NDF: 2507397.2/41

- sign 0.339 $\pm$ 0.000 χ^2 /NDF: 1201158.5/20

yield_bcm_dg_ds_mean vs Slug



Right In: 144.046 $\pm$ 0.000 χ^2 /NDF: 3279467915.9/16

Left Out: 148.991 $\pm$ 0.000 χ^2 /NDF:5505387.1/3

Right Out: 145.013 $\pm$ 0.000 χ^2 /NDF: 3930693089.2/18

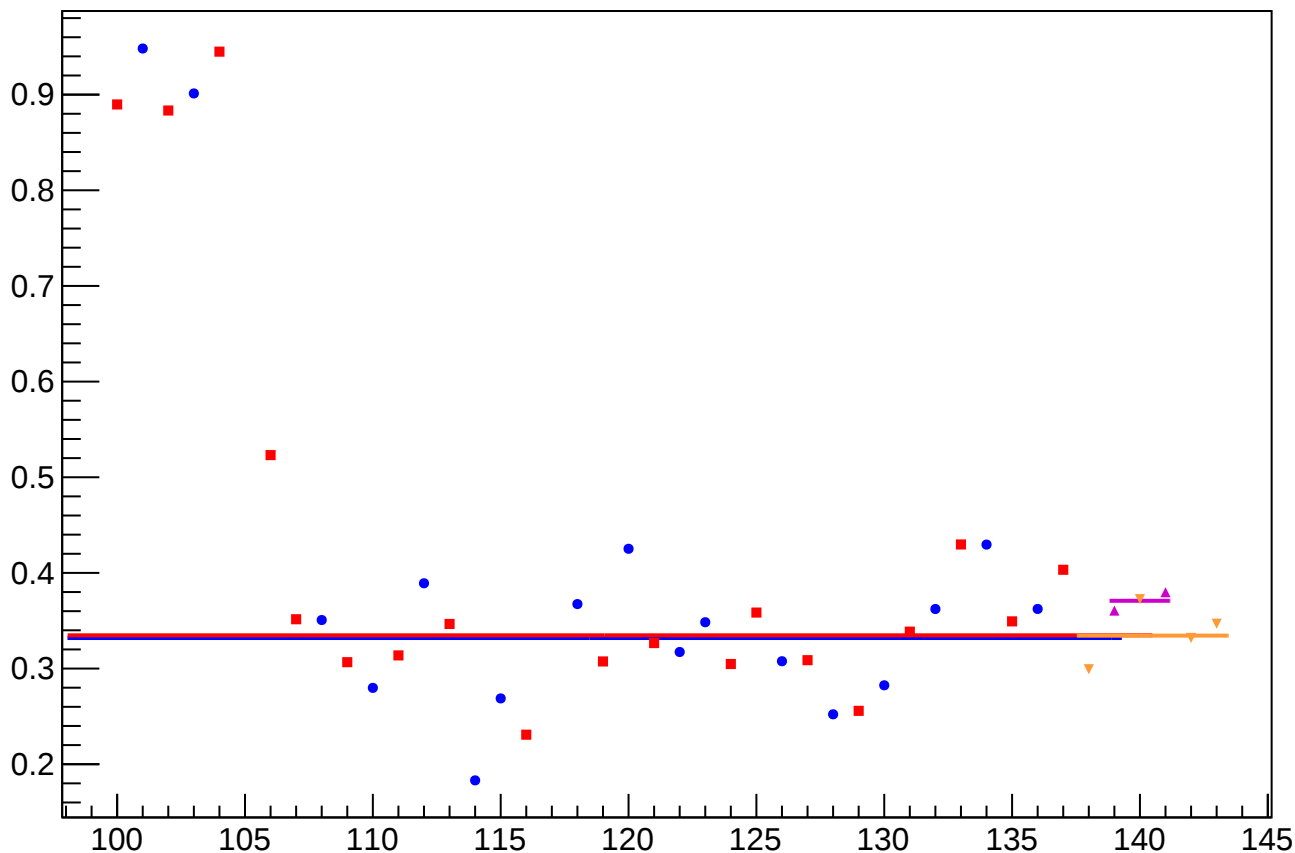
Left In: 149.002 $\pm$ 0.000 χ^2 /NDF:9905.0/1

+ sign 145.602 $\pm$ 0.000 χ^2 /NDF: 3670857841.1/20

All: 145.642 $\pm$ 0.000 χ^2 /NDF: 7742077149.2

- sign 145.689 $\pm$ 0.000 χ^2 /NDF: 4070959529.0/20

yield_bcm_dg_ds_rms vs Slug



Right In: 0.332 $\pm$ 0.000 χ^2 /NDF: 1287882.2/16

Left Out: 0.334 $\pm$ 0.000 χ^2 /NDF:37054.6/3

Right Out: 0.335 $\pm$ 0.000 χ^2 /NDF: 1168458.2/18

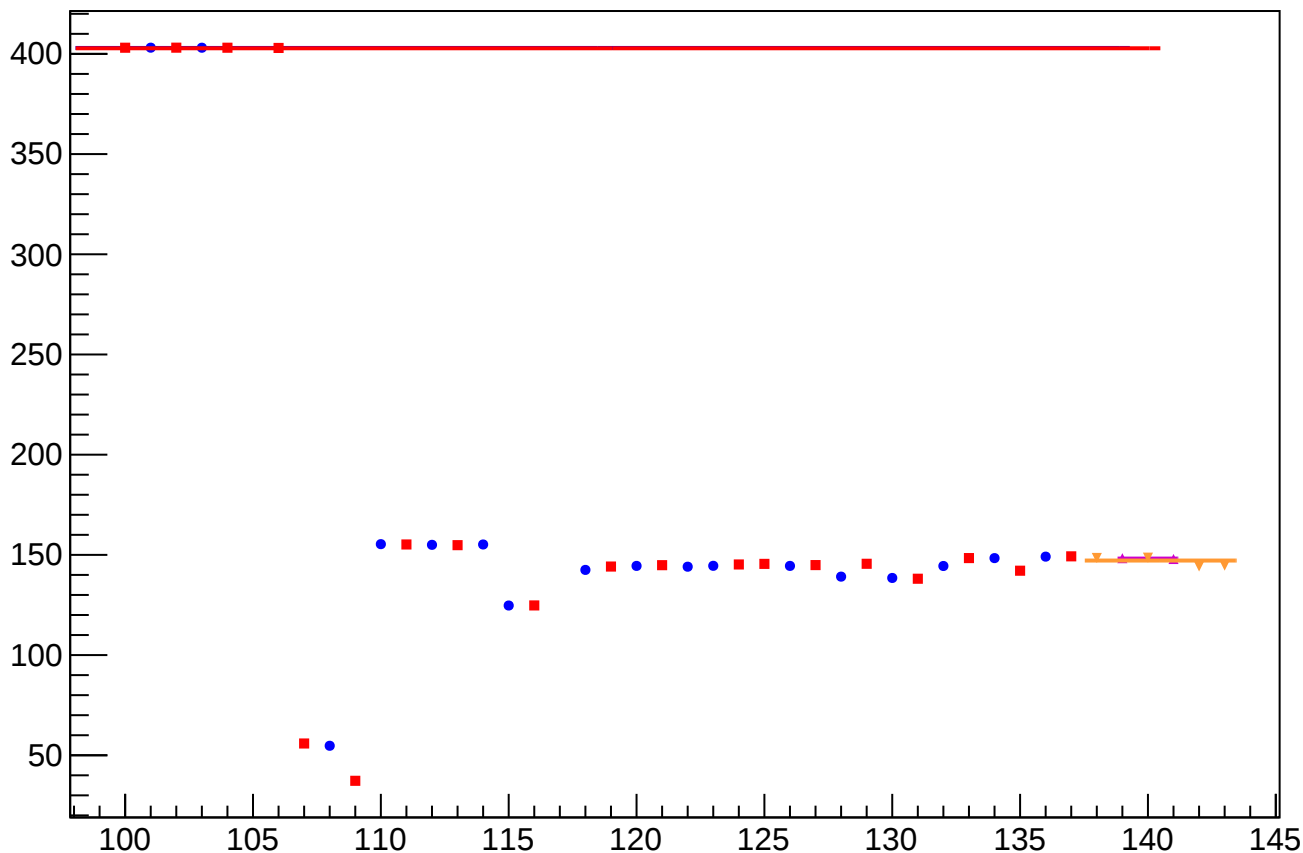
Left In: 0.371 $\pm$ 0.000 χ^2 /NDF:1951.5/1

+ sign 0.333 $\pm$ 0.000 χ^2 /NDF: 1325134.6/20

All: 0.336 $\pm$ 0.000 χ^2 /NDF: 2522992.1/41

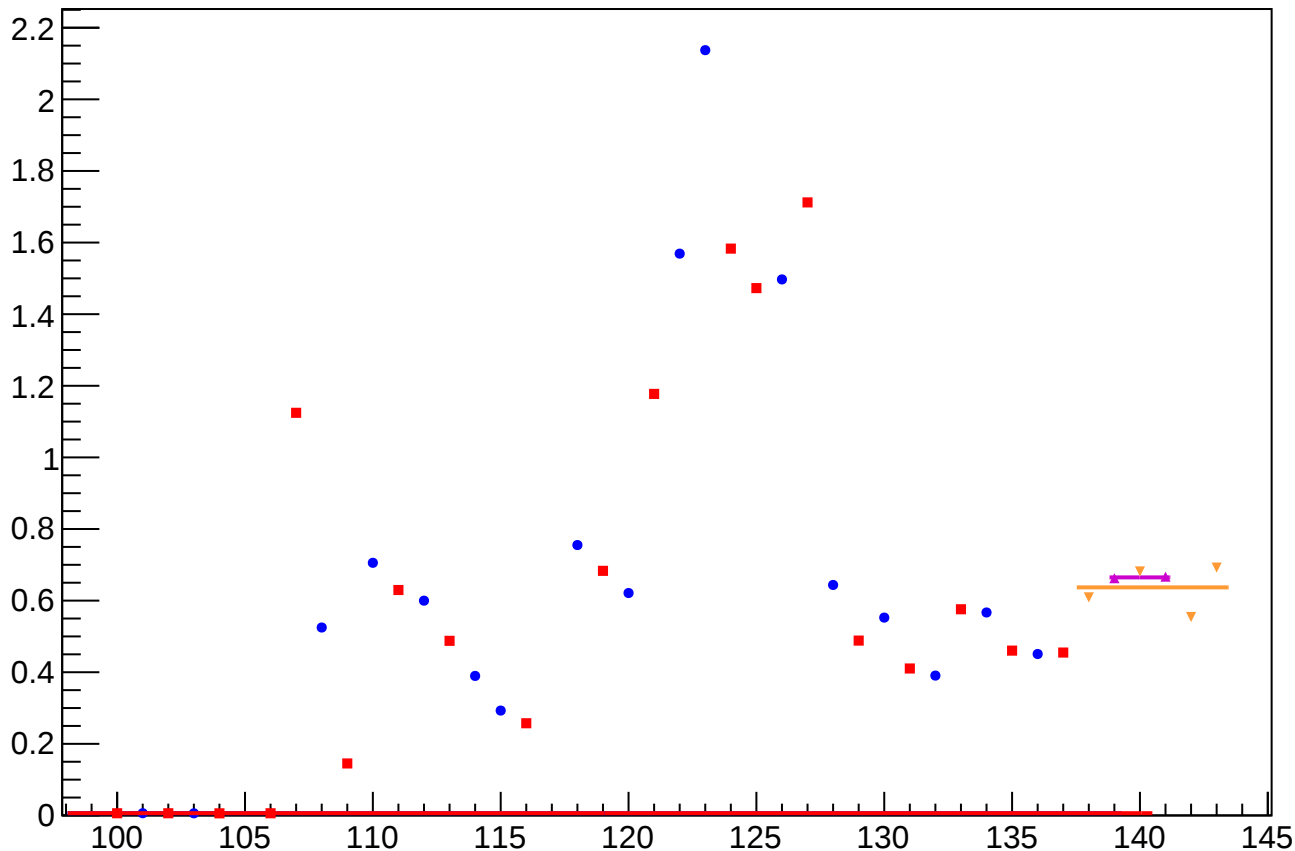
- sign 0.341 $\pm$ 0.000 χ^2 /NDF: 1193372.2/20

yield_cav4bQ_mean vs Slug



Right In: 402.957 $\pm$ 0.000 χ^2 /NDF: 1097981079296.6/16
 Left Out: 147.172 $\pm$ 0.000 χ^2 /NDF: 17049877.5/3
 Right Out: 402.798 $\pm$ 0.000 χ^2 /NDF: 3106239706226.1/18
 Left In: 148.145 $\pm$ 0.001 χ^2 /NDF: 113756.6/1
 + sign 402.919 $\pm$ 0.000 χ^2 /NDF: 1397605325820.5
 All: 402.844 $\pm$ 0.000 χ^2 /NDF: 468521065607
 - sign 402.778 $\pm$ 0.000 χ^2 /NDF: 3287274929157.0

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9127939.0/16

Left Out: 0.637+/-0.000 χ^2/NDF : 22992.8/3

Right Out: 0.006+/-0.000 χ^2/NDF : 9171738.5/18

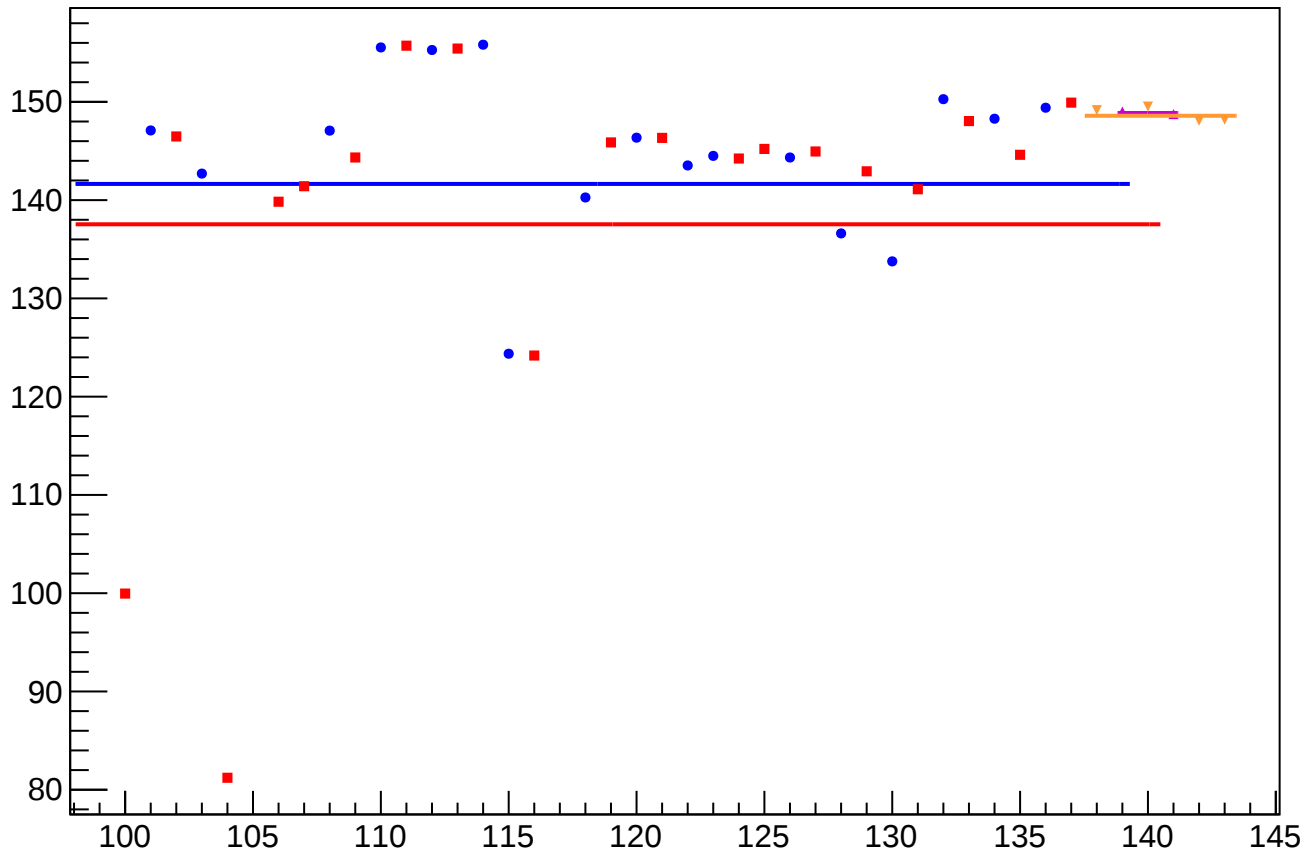
Left In: 0.665+/-0.000 χ^2/NDF : 27.0/1

+ sign 0.006+/-0.000 χ^2/NDF : 12793771.9/20

All: 0.006+/-0.000 χ^2/NDF : 24386988.3/41

- sign 0.006+/-0.000 χ^2/NDF : 11593127.8/20

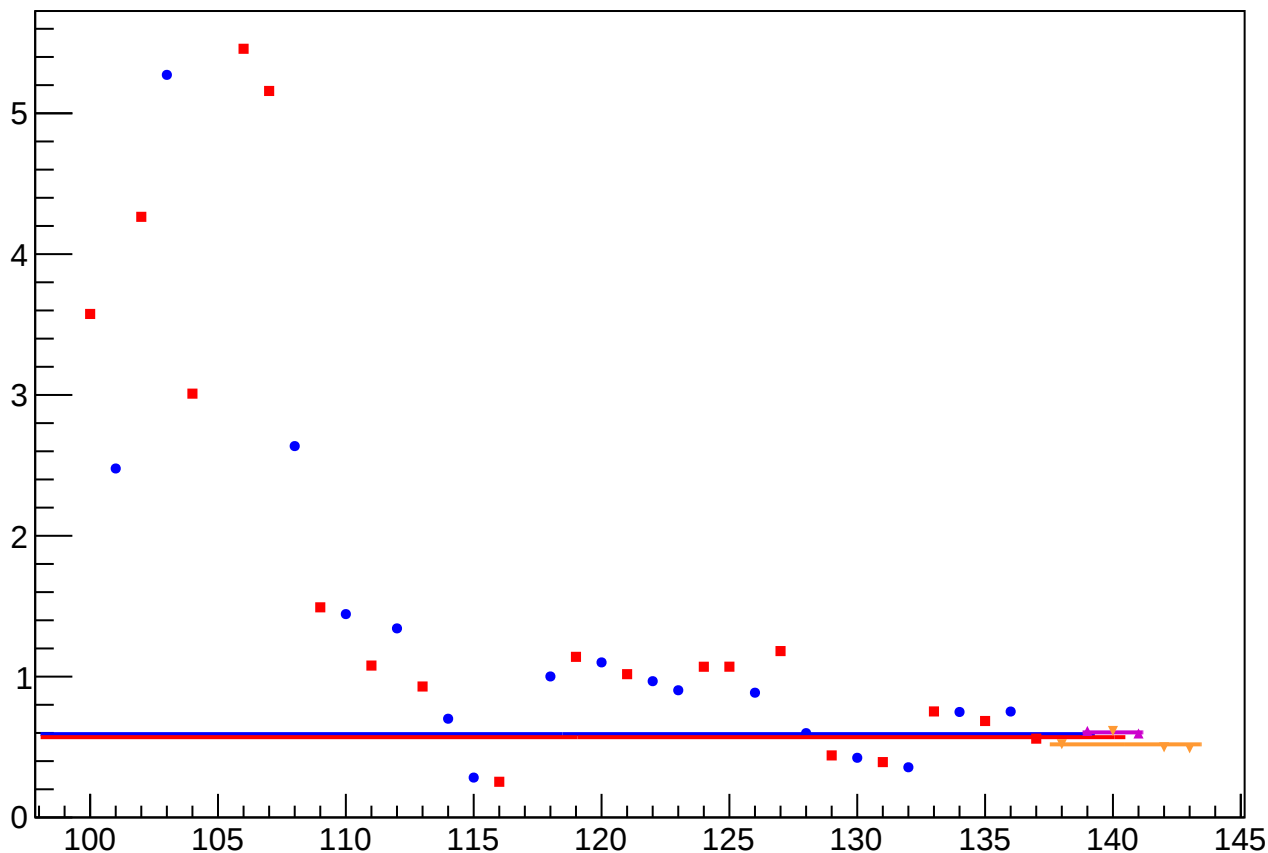
yield_cav4cQ_mean vs Slug



Right In: 141.649 $\pm$ 0.000 χ^2 /NDF: 978960977.0/16
 Left Out: 148.585 $\pm$ 0.000 χ^2 /NDF: 2378657.8/3
 Right Out: 137.540 $\pm$ 0.000 χ^2 /NDF: 1319926808.9/18
 Left In: 148.867 $\pm$ 0.001 χ^2 /NDF: 40781.3/1

+ sign 144.514 $\pm$ 0.000 χ^2 /NDF: 1182042614.5/20
 All: 142.441 $\pm$ 0.000 χ^2 /NDF: 2929453762.9
 - sign 139.686 $\pm$ 0.000 χ^2 /NDF: 1575151286.6/20

yield_cav4cQ_rms vs Slug



Right In: 0.592 $\pm$ 0.000 χ^2 /NDF: 3518726.1/16

Left Out: 0.519 $\pm$ 0.000 χ^2 /NDF:28009.5/3

Right Out: 0.570 $\pm$ 0.000 χ^2 /NDF: 4645113.2/18

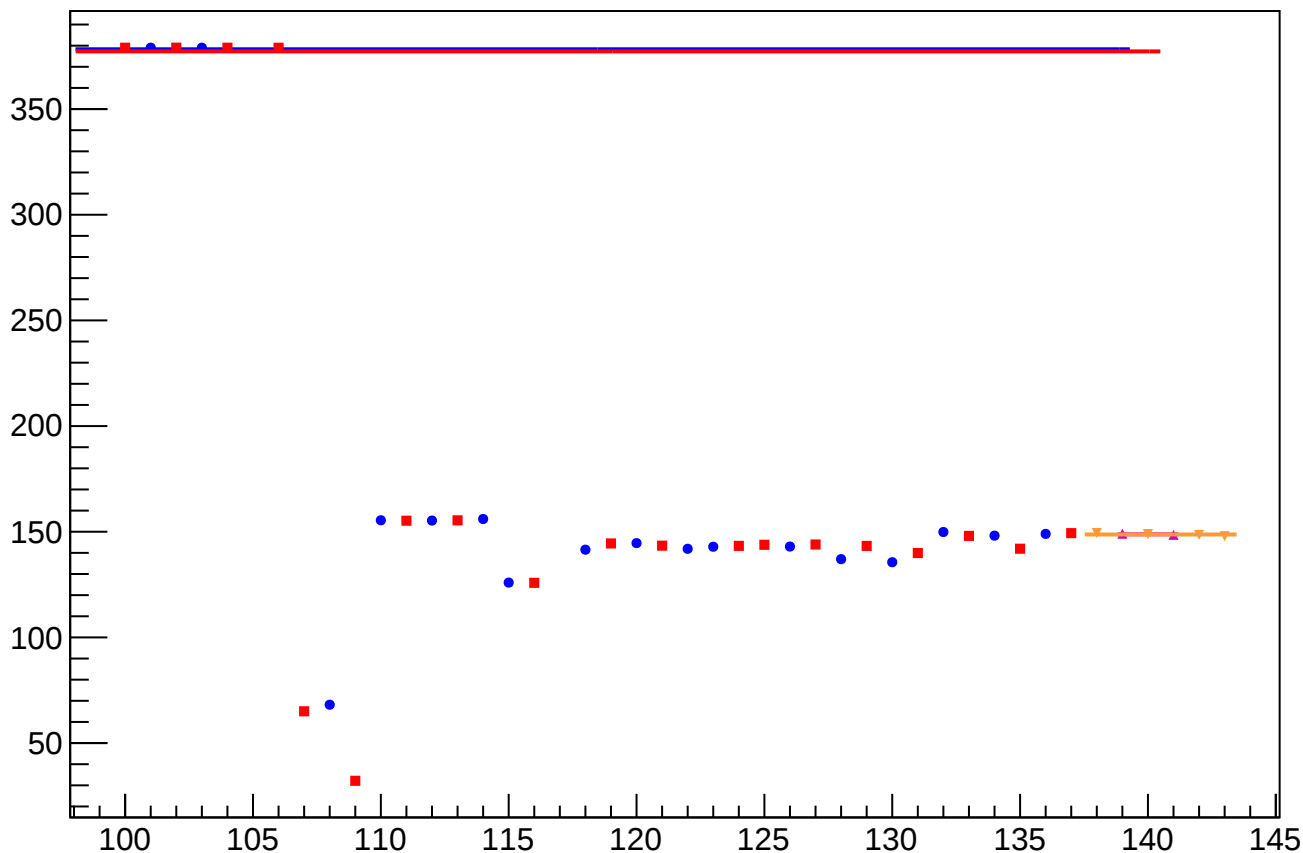
Left In: 0.604 $\pm$ 0.000 χ^2 /NDF:393.6/1

+ sign 0.562 $\pm$ 0.000 χ^2 /NDF: 3590677.1/20

All: 0.568 $\pm$ 0.000 χ^2 /NDF: 8244042.1/41

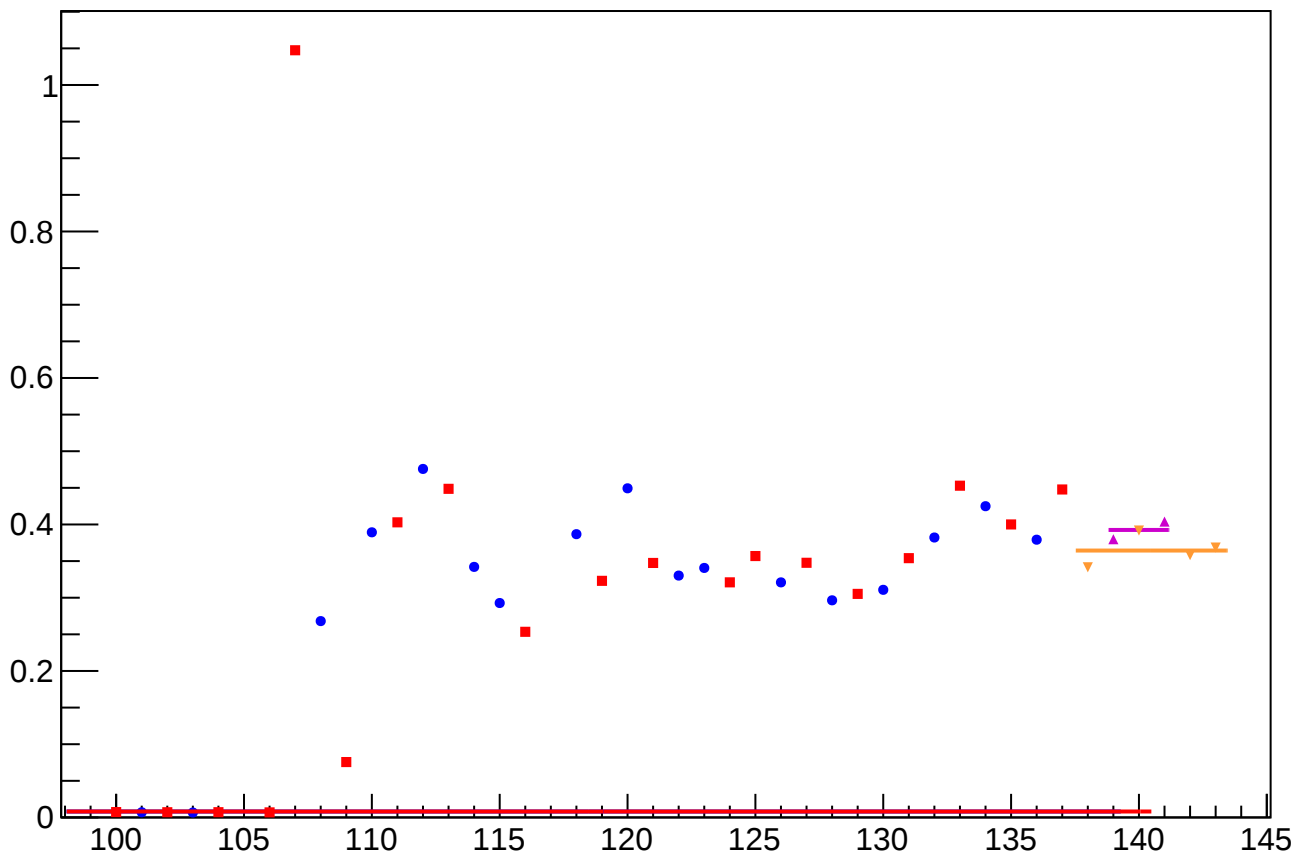
- sign 0.577 $\pm$ 0.000 χ^2 /NDF: 4650105.4/20

yield_cav4dQ_mean vs Slug



Right In: 378.288+/-0.000 χ^2/NDF : 2492505563660.4/16
 Left Out: 148.704+/-0.000 χ^2/NDF : 6925823.1/3
 Right Out: 377.290+/-0.000 χ^2/NDF : 8277094761031.6/18
 Left In: 148.797+/-0.000 χ^2/NDF : 672230.1/1
 All: 377.518+/-0.000 χ^2/NDF : 123283513743
 + sign 377.943+/-0.000 χ^2/NDF : 3545916695781.4
 - sign 377.146+/-0.000 χ^2/NDF : 8777919715205.1

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 9842025.8/16

Left Out: 0.364+/-0.000 χ^2/NDF :14542.7/3

Right Out: 0.008+/-0.000 χ^2/NDF : 9491450.8/18

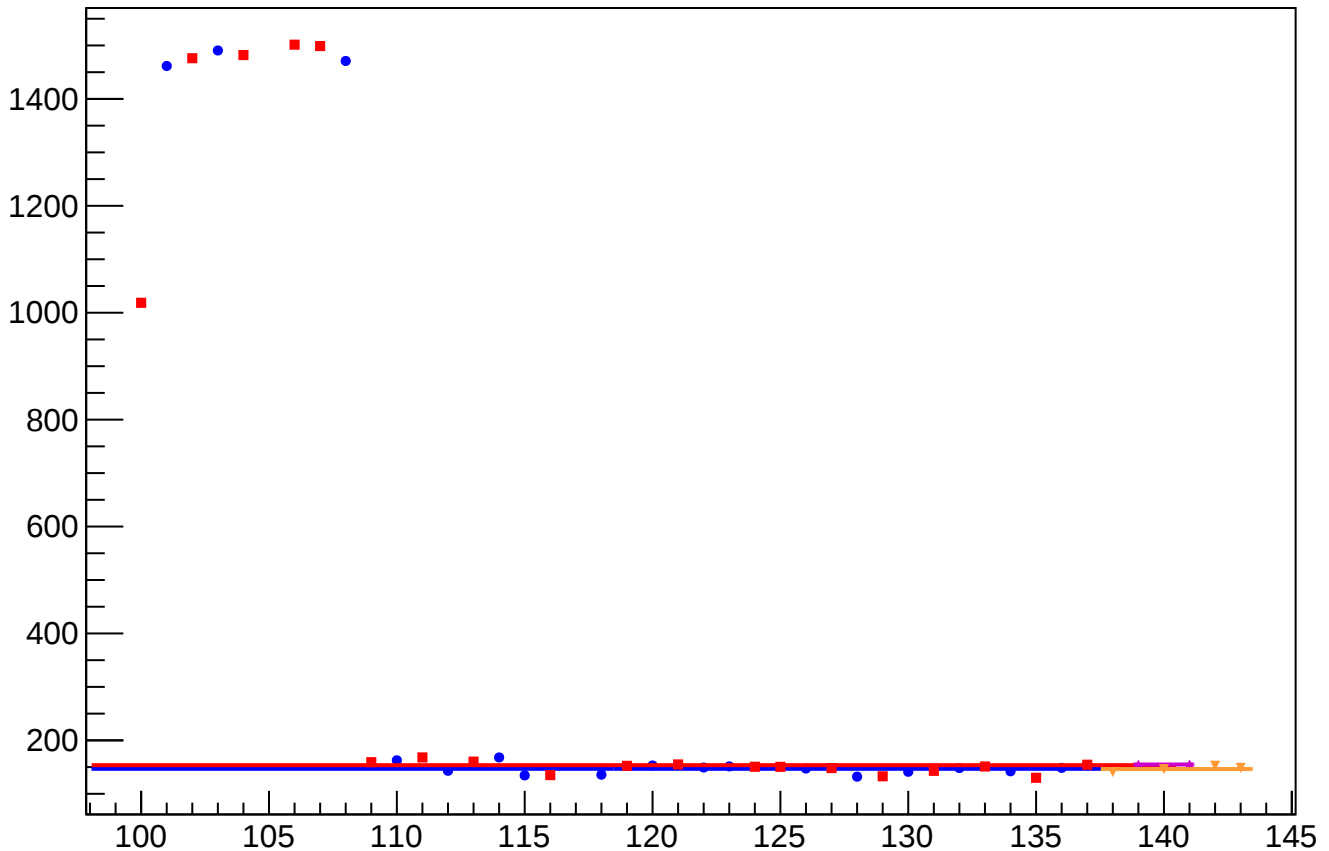
Left In: 0.393+/-0.000 χ^2/NDF :2770.0/1

+ sign 0.009+/-0.000 χ^2/NDF : 14930381.6/20

All: 0.009+/-0.000 χ^2/NDF : 27260280.2/41

- sign 0.008+/-0.000 χ^2/NDF : 12328872.6/20

yield_bcm0l02_mean vs Slug



Right In: 146.782 $\pm$ 0.000 χ^2 /NDF: 24345208780.4/16

Left Out: 146.358 $\pm$ 0.001 χ^2 /NDF: 42871227.6/3

Right Out: 153.596 $\pm$ 0.000 χ^2 /NDF: 33791266543.9/18

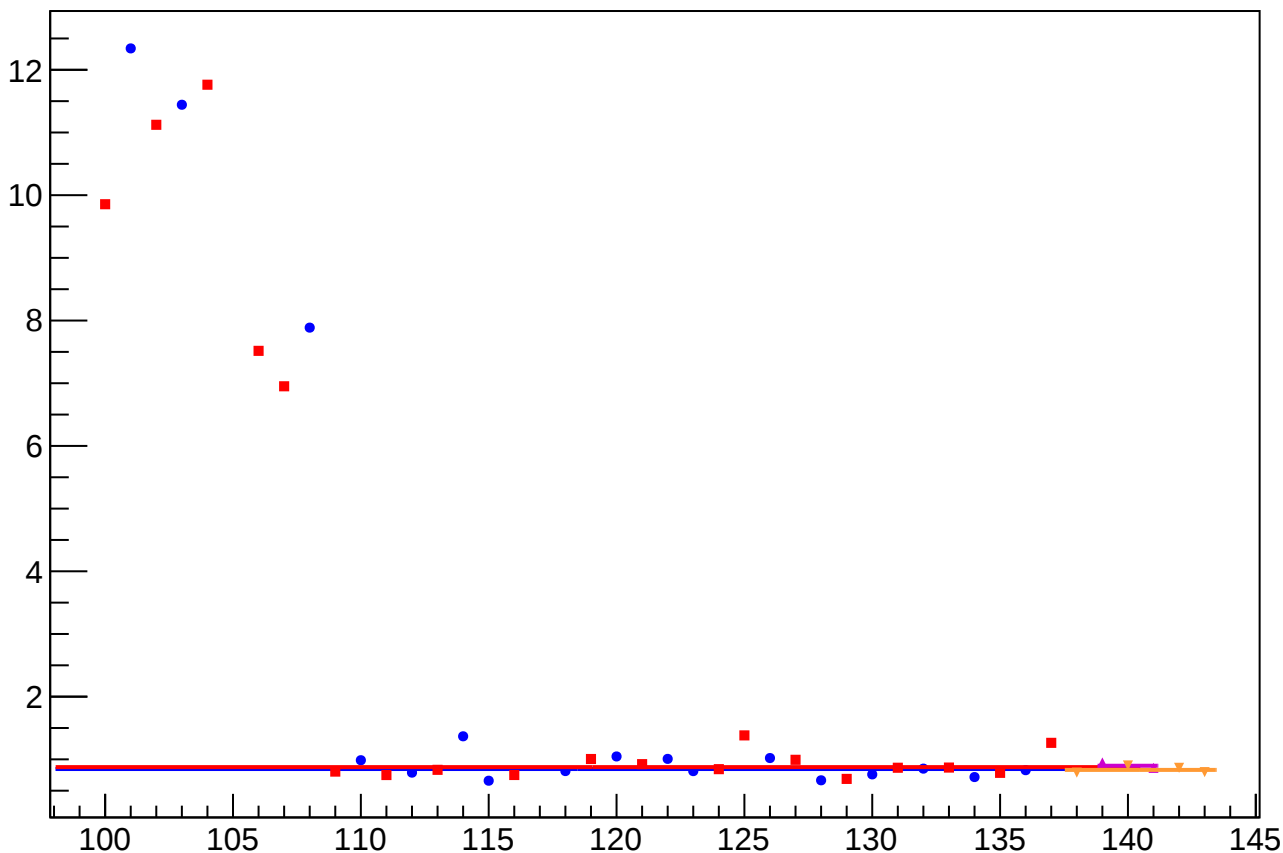
Left In: 154.844 $\pm$ 0.001 χ^2 /NDF: 54469.4/1

+ sign 146.641 $\pm$ 0.000 χ^2 /NDF: 24388399666.1/20

All: 149.914 $\pm$ 0.000 χ^2 /NDF: 58369984338.0

- sign 153.848 $\pm$ 0.000 χ^2 /NDF: 33792992746.1/20

yield_bcm0l02_rms vs Slug



Right In: 0.846 ± 0.000 χ^2/NDF : 2658649.7/16

Left Out: 0.832 ± 0.000 χ^2/NDF : 12703.2/3

Right Out: 0.876 ± 0.000 χ^2/NDF : 2826804.8/18

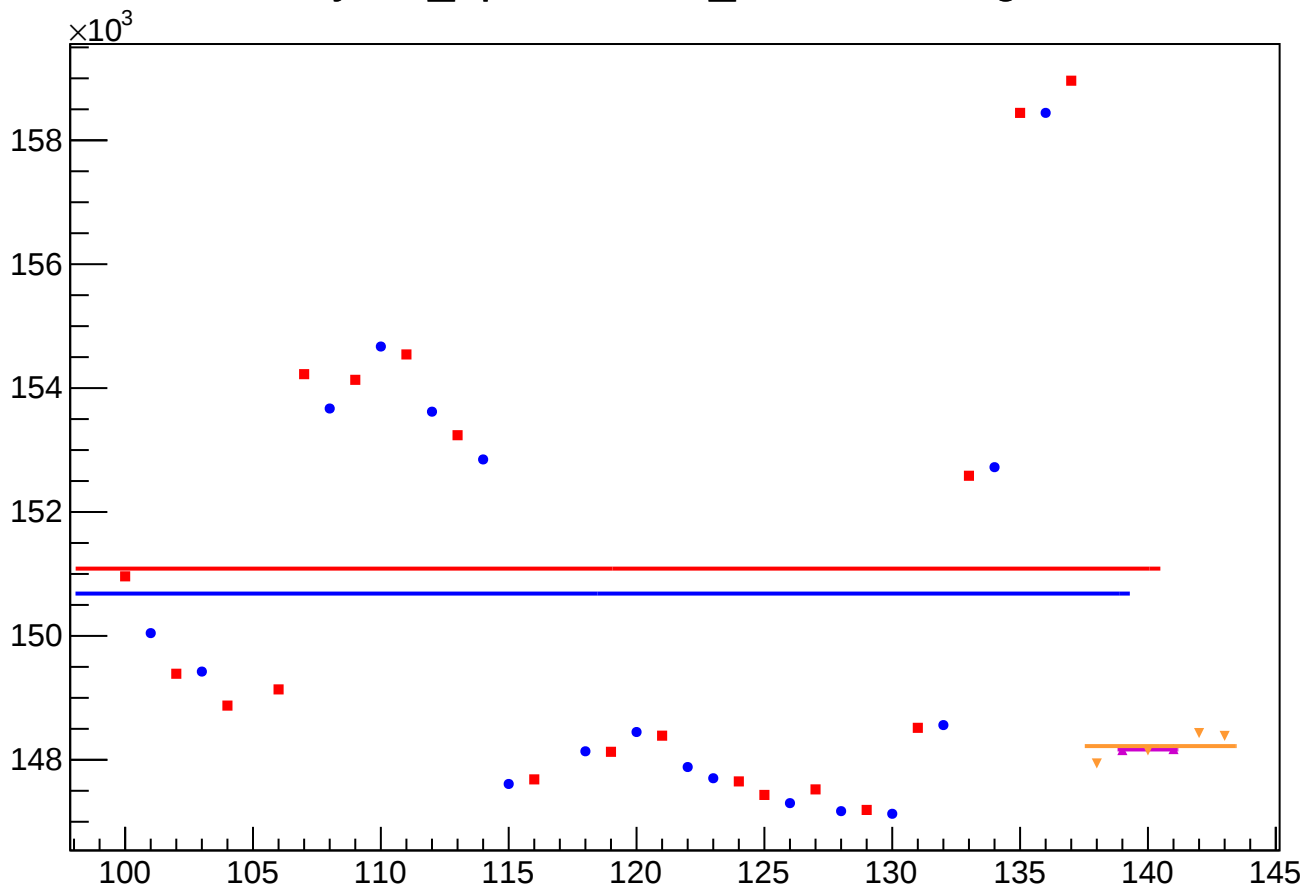
Left In: 0.898 ± 0.001 χ^2/NDF : 4697.0/1

+ sign 0.841 ± 0.000 χ^2/NDF : 2672060.1/20

All: 0.859 ± 0.000 χ^2/NDF : 5515928.1/41

- sign 0.880 ± 0.000 χ^2/NDF : 2832526.6/20

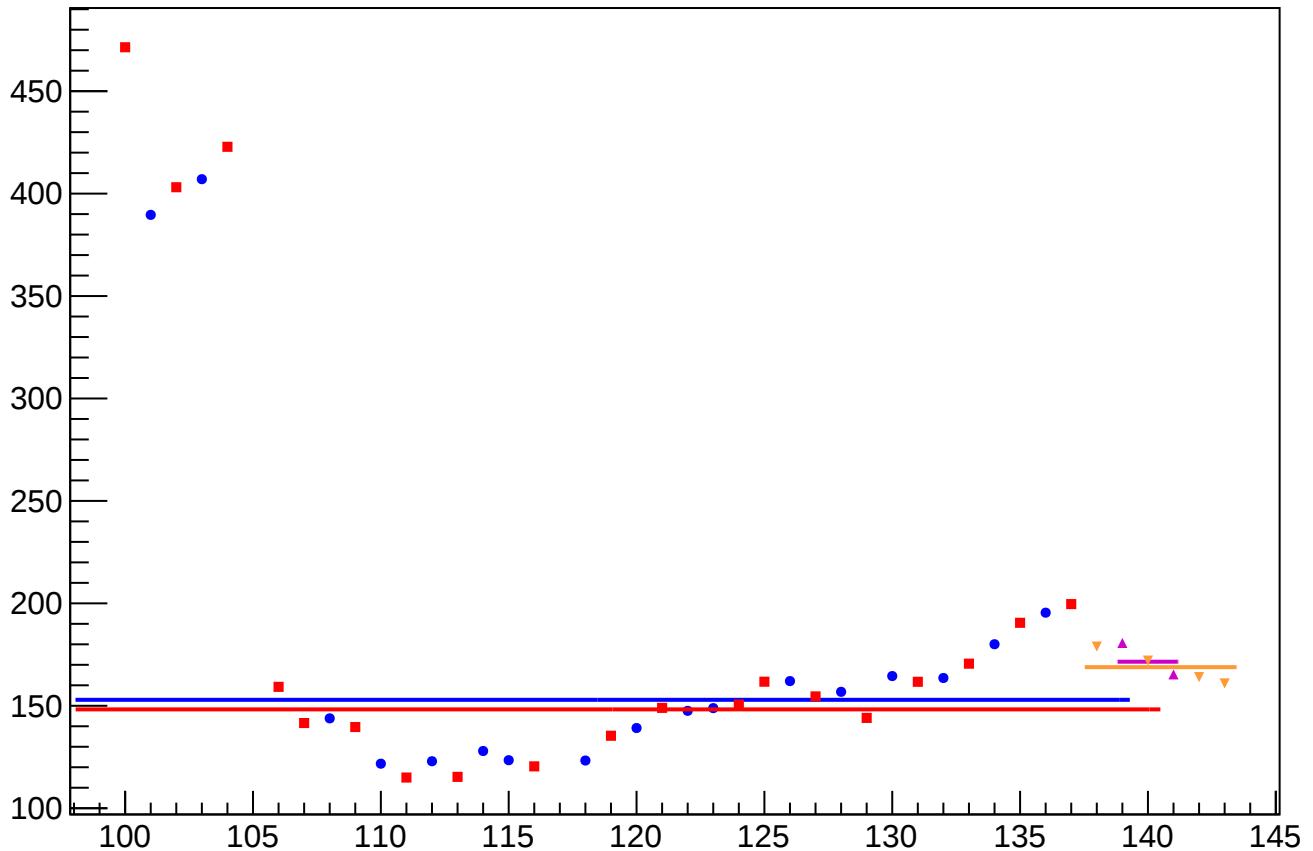
yield_bpm0i01WS_mean vs Slug



Right In: 150683.304 $\pm$ 0.063 χ^2 /NDF: 3299311261.5/16
 Left Out: 148221.438 $\pm$ 0.104 χ^2 /NDF:3364574.4/3
 Right Out: 151086.261 $\pm$ 0.060 χ^2 /NDF: 3297509595.7/18
 Left In: 148166.800 $\pm$ 0.140 χ^2 /NDF:3205.2/1

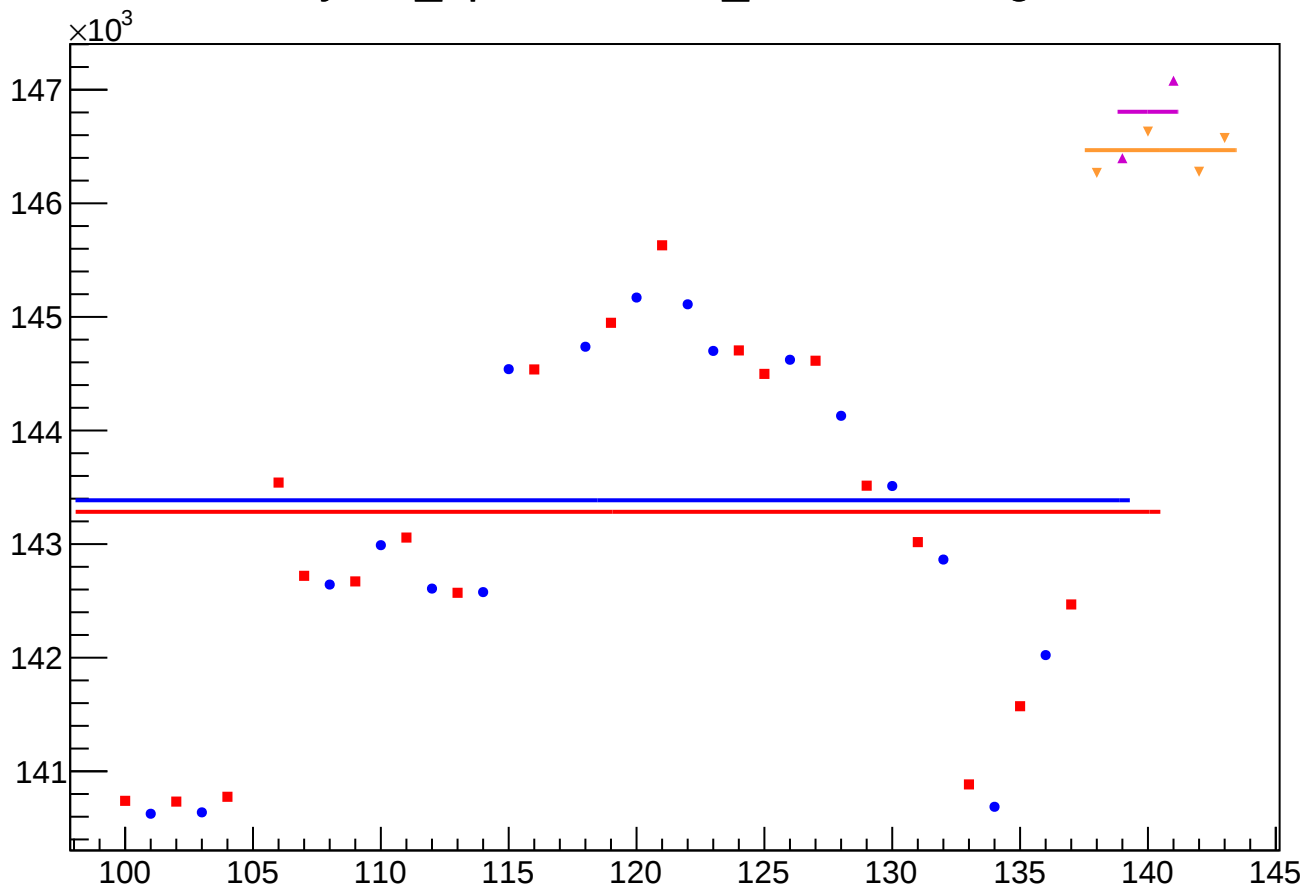
+ sign 150017.976 $\pm$ 0.054 χ^2 /NDF: 3714126868.7
 All: 150320.477 $\pm$ 0.038 χ^2 /NDF: 74458775
 - sign 150634.287 $\pm$ 0.055 χ^2 /NDF: 3667574625.9/

yield_bpm0i01WS_rms vs Slug



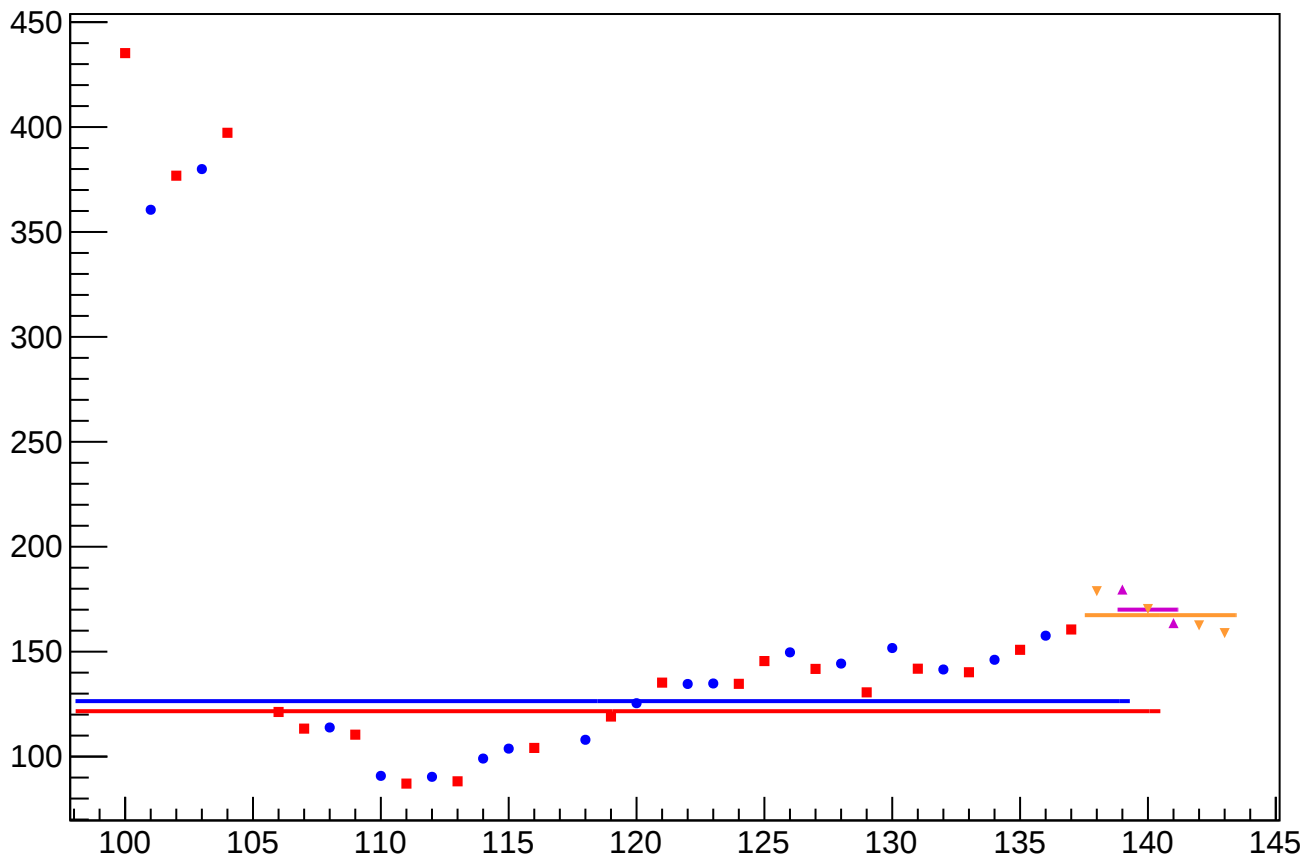
Right In: 152.916 $\pm$ 0.045 χ^2/NDF : 1154367.4/16
 Left Out: 168.863 $\pm$ 0.073 χ^2/NDF : 9442.8/3
 Right Out: 148.245 $\pm$ 0.042 χ^2/NDF : 1189017.0/18
 Left In: 171.514 $\pm$ 0.099 χ^2/NDF : 5815.2/1
 + sign 157.226 $\pm$ 0.038 χ^2/NDF : 1198340.6/20
 - sign 151.848 $\pm$ 0.039 χ^2/NDF : 1241846.7/20
 All: 154.586 $\pm$ 0.027 χ^2/NDF : 2449961.5/41

yield_bpm0i01aWS_mean vs Slug



Right In: 143385.822 $\pm$ 0.053	χ^2/NDF : 520518329.3/16	+ sign 144029.542 $\pm$ 0.047	χ^2/NDF : 1234911981.7
Left Out: 146468.071 $\pm$ 0.103	χ^2/NDF : 2520027.5/3	All: 143851.557 $\pm$ 0.033	χ^2/NDF : 245348597
Right Out: 143284.246 $\pm$ 0.049	χ^2/NDF : 608478885.8/18	- sign 143678.680 $\pm$ 0.046	χ^2/NDF : 1190253814.5/
Left In: 146805.985 $\pm$ 0.138	χ^2/NDF : 5846255.8/1		

yield_bpm0i01aWS_rms vs Slug



Right In: 126.427+/-0.037 χ^2/NDF : 1442156.7/16

Left Out: 167.395+/-0.073 χ^2/NDF :11452.9/3

Right Out: 121.629+/-0.035 χ^2/NDF : 1458546.9/18

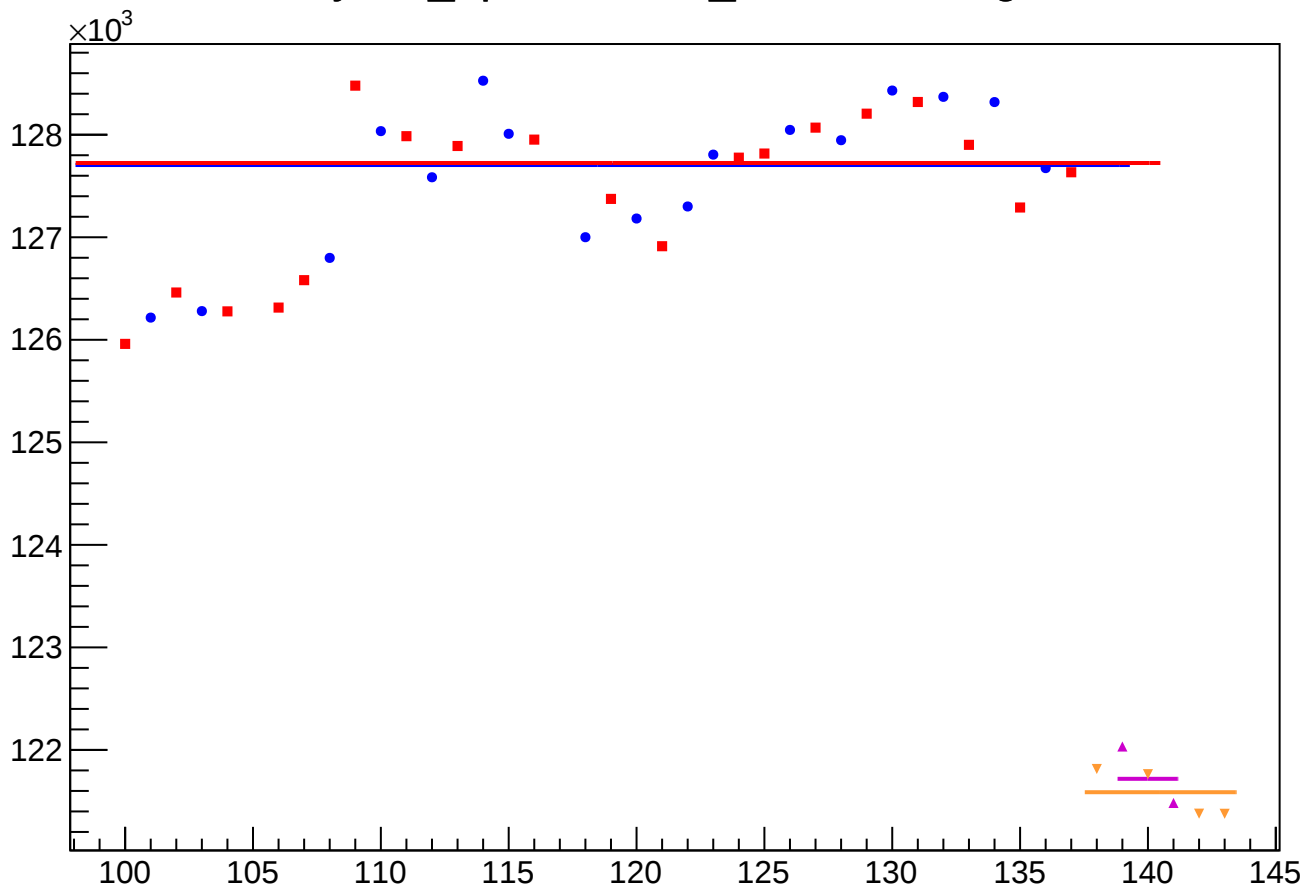
Left In: 170.029+/-0.098 χ^2/NDF :6429.9/1

+ sign 134.983+/-0.033 χ^2/NDF : 1705130.3/20

All: 130.959+/-0.023 χ^2/NDF : 3416627.8/41

- sign 127.050+/-0.033 χ^2/NDF : 1682538.7/20

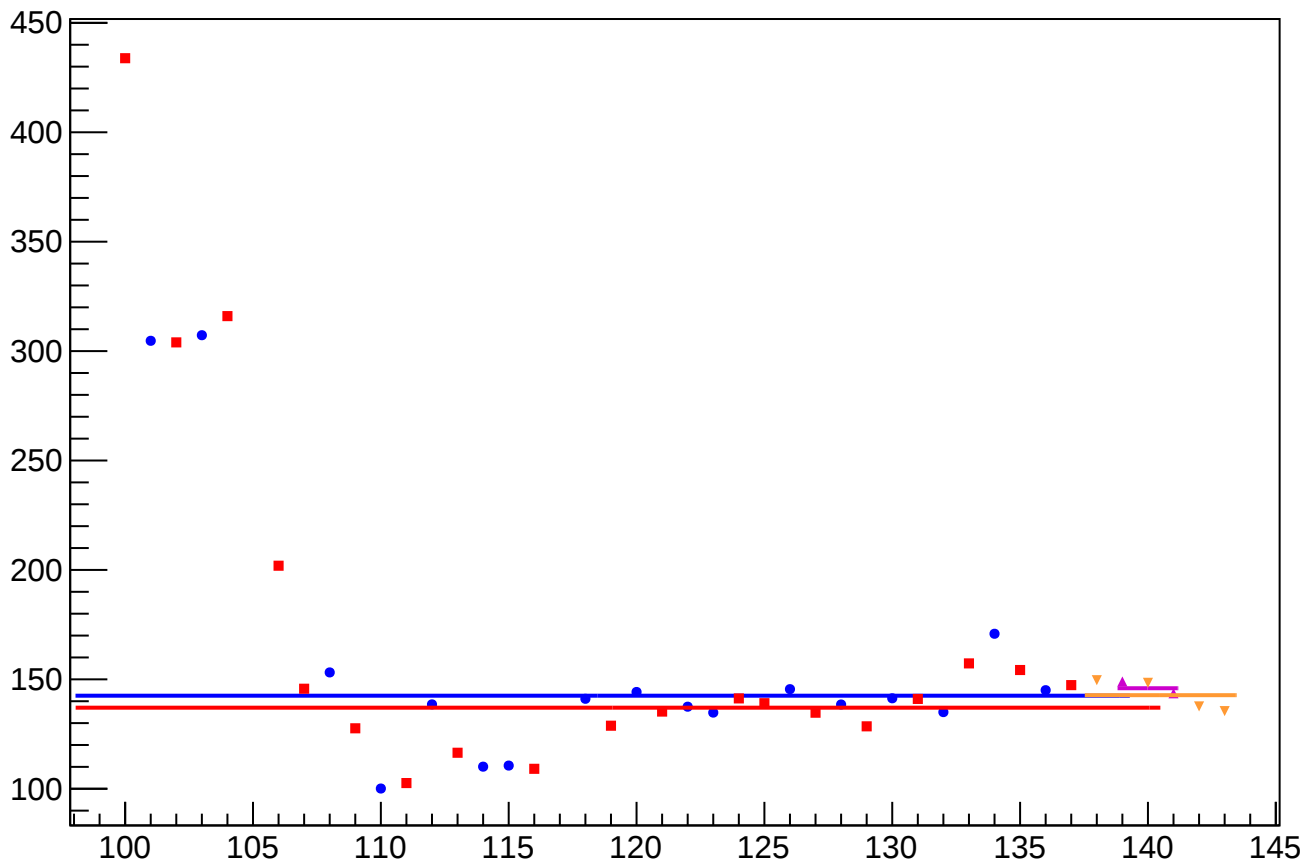
yield_bpm0l01WS_mean vs Slug



Right In: 127704.536 ± 0.058 $\chi^2/\text{NDF}: 97614287.1/16$
 Left Out: 121587.567 ± 0.089 $\chi^2/\text{NDF}: 5393116.4/3$
 Right Out: 127724.288 ± 0.055 $\chi^2/\text{NDF}: 112647022.0/18$
 Left In: 121718.181 ± 0.119 $\chi^2/\text{NDF}: 5241870.2/1$

+ sign 125860.363 ± 0.049 $\chi^2/\text{NDF}: 3436147295.0$
 All: 126262.445 ± 0.035 $\chi^2/\text{NDF}: 580008290$
 - sign 126680.609 ± 0.050 $\chi^2/\text{NDF}: 2224427912.8/1$

yield_bpm0l01WS_rms vs Slug



Right In: 142.524+/-0.041 χ^2/NDF : 836220.9/16

Left Out: 142.762+/-0.063 χ^2/NDF : 10532.4/3

Right Out: 137.050+/-0.039 χ^2/NDF : 956482.5/18

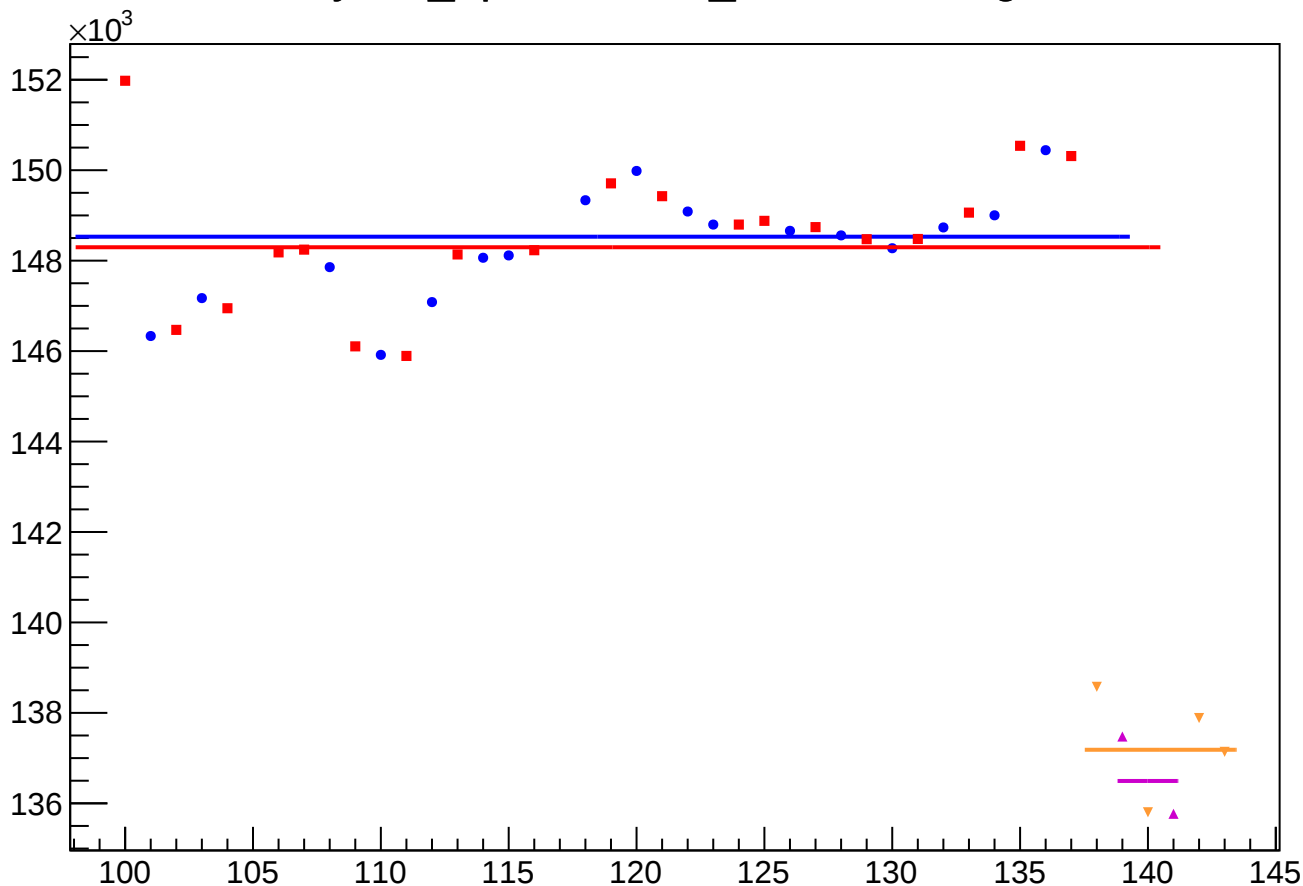
Left In: 145.934+/-0.084 χ^2/NDF : 1006.9/1

+ sign 142.596+/-0.034 χ^2/NDF : 846763.3/20

All: 140.634+/-0.025 χ^2/NDF : 1820114.4/41

- sign 138.593+/-0.035 χ^2/NDF : 966707.7/20

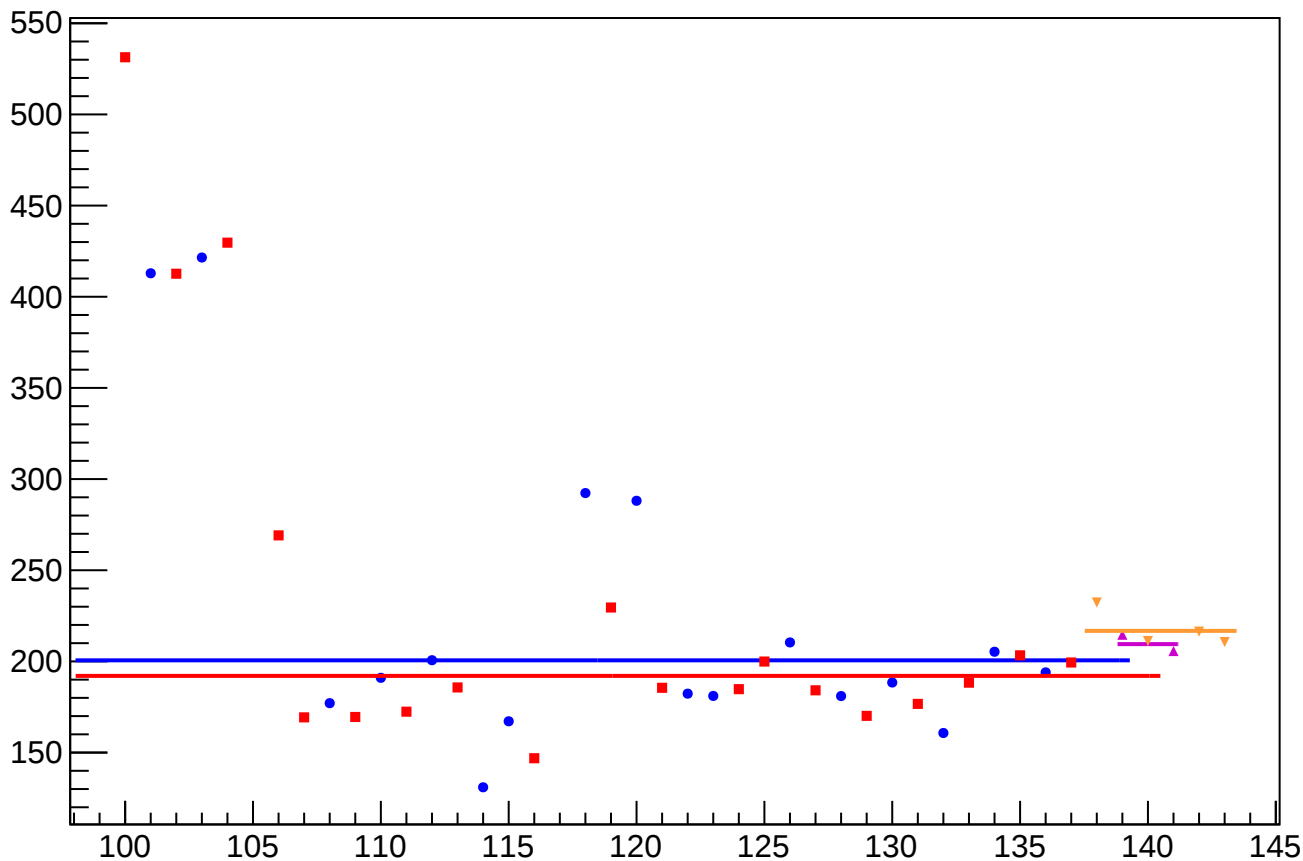
yield_bpm0l02WS_mean vs Slug



Right In: 148529.735 $\pm$ 0.082 χ^2 /NDF: 209963911.3/16
 Left Out: 137184.333 $\pm$ 0.133 χ^2 /NDF: 62478648.6/3
 Right Out: 148296.414 $\pm$ 0.076 χ^2 /NDF: 293172260.2/18
 Left In: 136494.449 $\pm$ 0.170 χ^2 /NDF: 24559658.6/1

+ sign 145403.113 $\pm$ 0.070 χ^2 /NDF: 5513423715.8
 All: 145863.284 $\pm$ 0.049 χ^2 /NDF: 990990830
 - sign 146319.795 $\pm$ 0.070 χ^2 /NDF: 4310451190.5/

yield_bpm0l02WS_rms vs Slug



Right In: 200.585 $\pm$ 0.058 χ^2 /NDF: 935452.3/16

Left Out: 216.750 $\pm$ 0.094 χ^2 /NDF:8662.0/3

Right Out: 192.054 $\pm$ 0.054 χ^2 /NDF: 845373.5/18

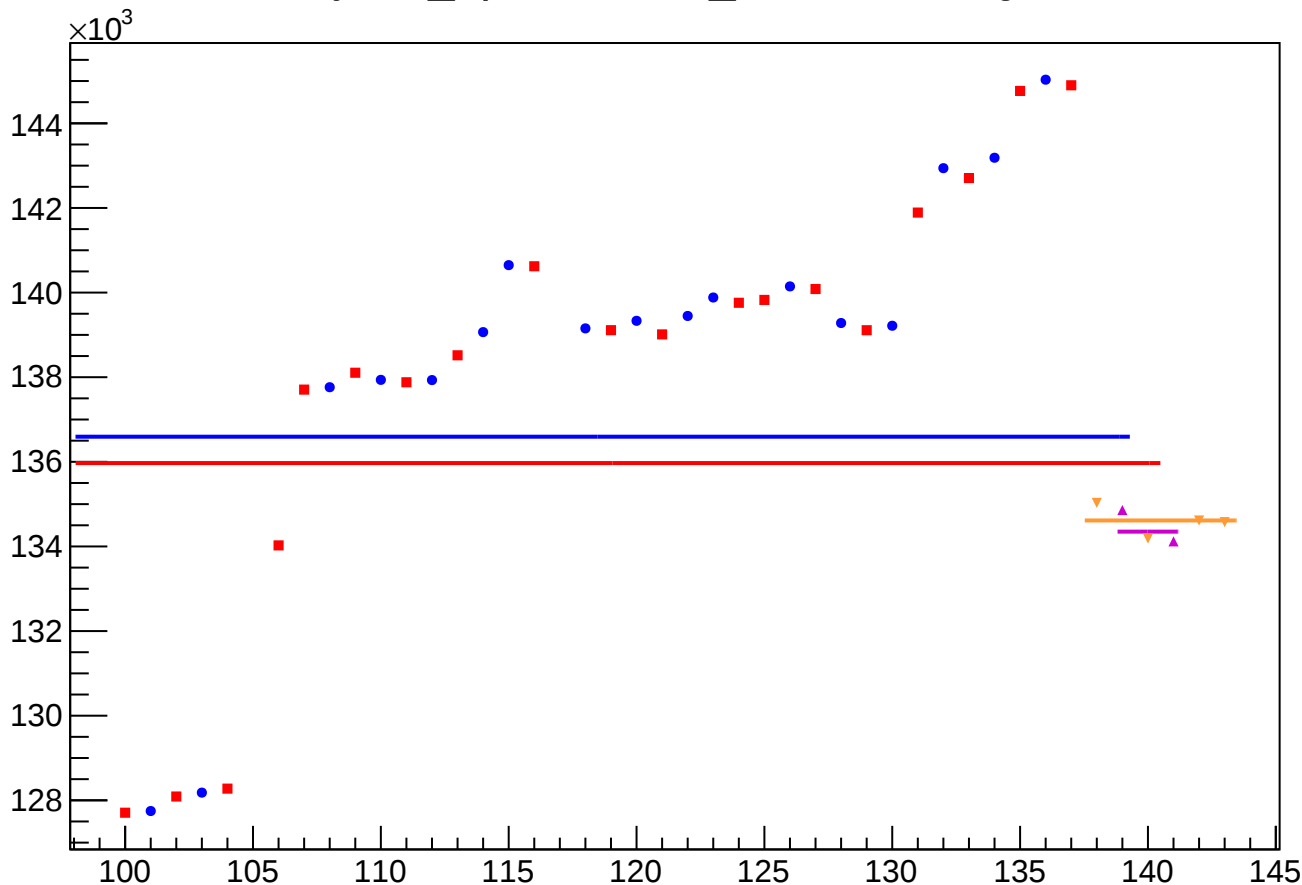
Left In: 209.480 $\pm$ 0.121 χ^2 /NDF:1349.1/1

+ sign 205.040 $\pm$ 0.050 χ^2 /NDF: 965393.1/20

All: 199.986 $\pm$ 0.035 χ^2 /NDF: 1850278.0/41

- sign 194.972 $\pm$ 0.049 χ^2 /NDF: 864132.4/20

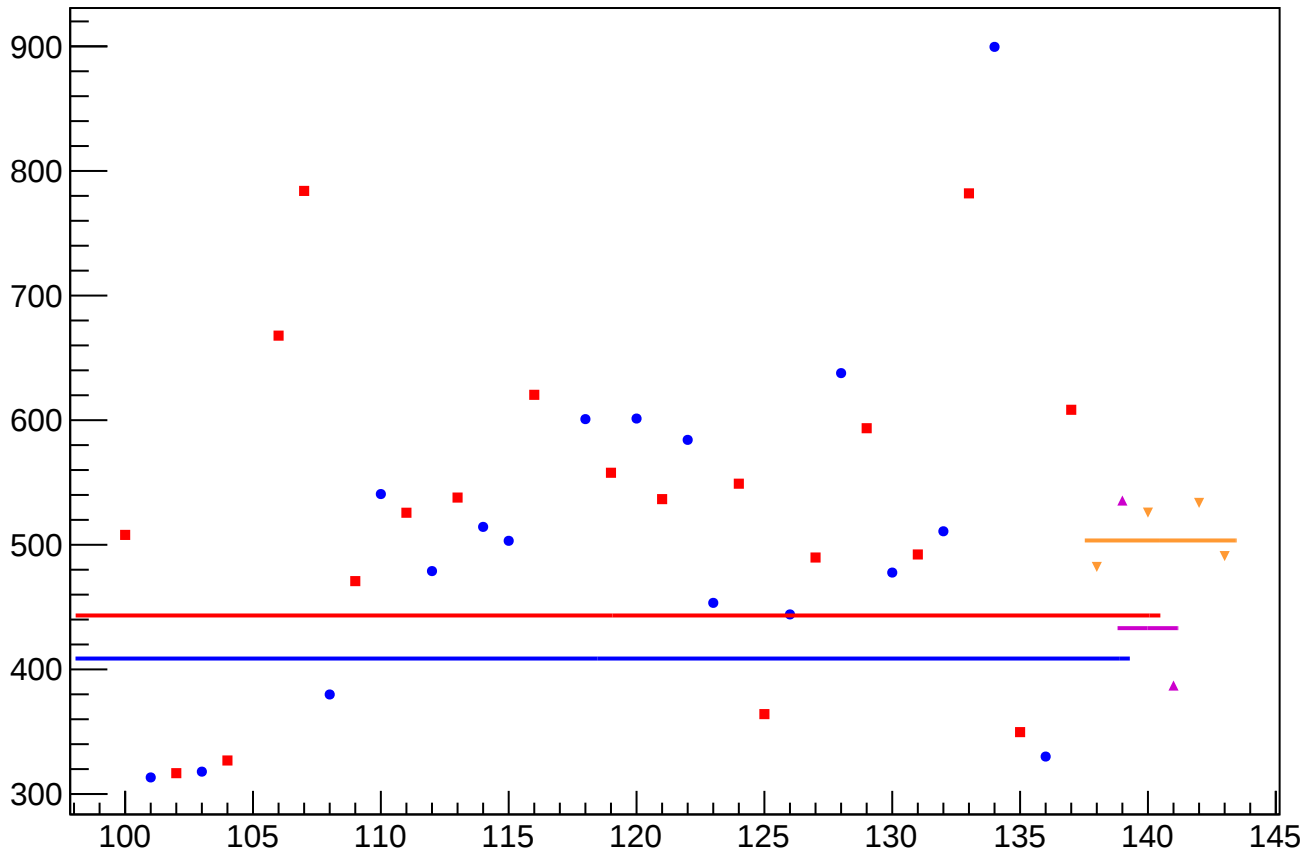
yield_bpm0l03WS_mean vs Slug



Right In: 136593.896 $\pm$ 0.172 χ^2 /NDF: 1493317567.5/16
 Left Out: 134614.032 $\pm$ 0.317 χ^2 /NDF:967905.4/3
 Right Out: 135970.927 $\pm$ 0.183 χ^2 /NDF: 1080815746.9/18
 Left In: 134349.925 $\pm$ 0.414 χ^2 /NDF:684533.8/1

+ sign 136144.281 $\pm$ 0.151 χ^2 /NDF: 1524453026.4/16
 All: 135947.707 $\pm$ 0.112 χ^2 /NDF: 26225439/16
 - sign 135706.342 $\pm$ 0.167 χ^2 /NDF: 1094316219.3/16

yield_bpm0l03WS_rms vs Slug



Right In: 408.721+/-0.121 χ^2/NDF : 830375.0/16

Left Out: 503.468+/-0.224 χ^2/NDF :8740.5/3

Right Out: 443.274+/-0.129 χ^2/NDF : 916555.3/18

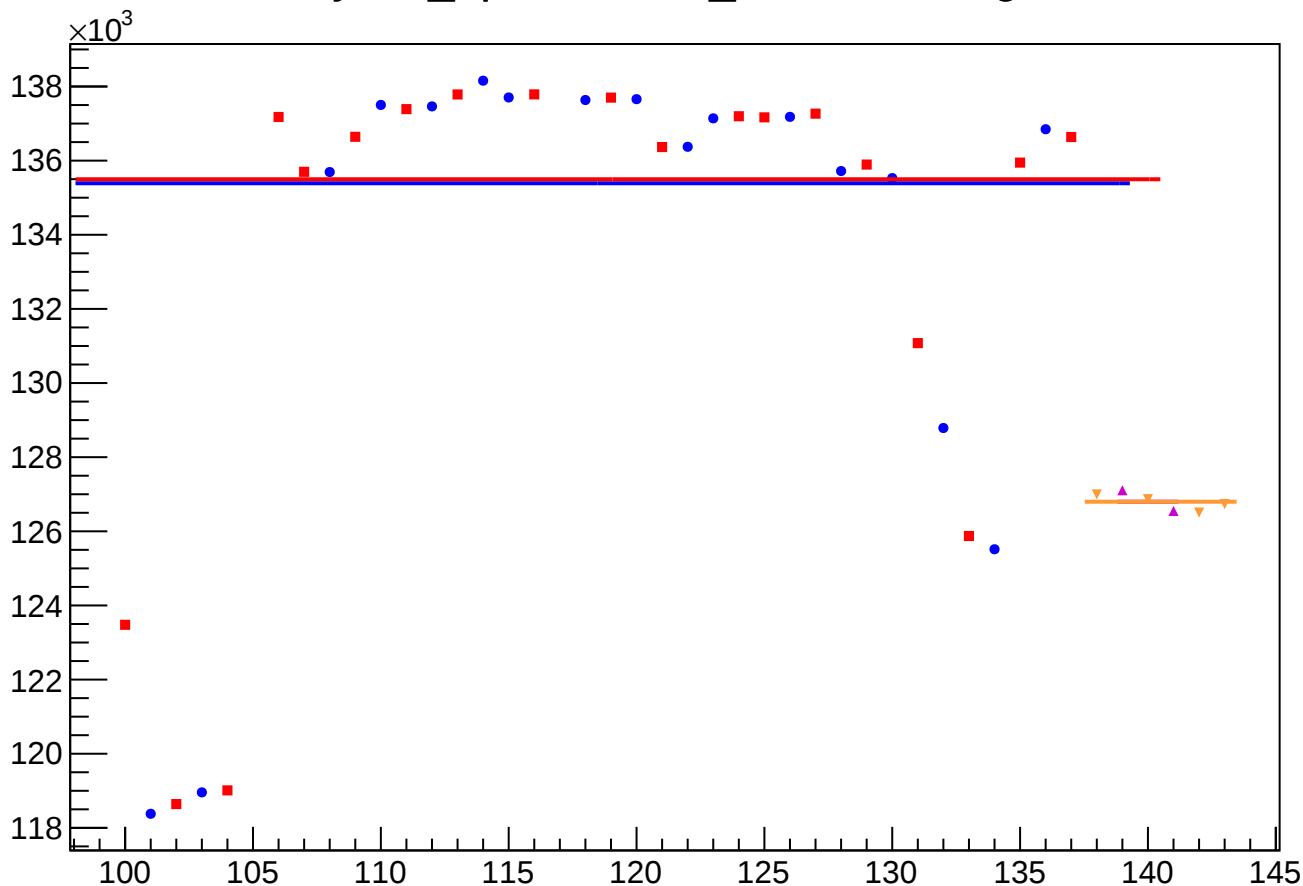
Left In: 433.107+/-0.293 χ^2/NDF :54982.9/1

+ sign 430.238+/-0.107 χ^2/NDF : 977291.6/20

All: 435.344+/-0.079 χ^2/NDF : 1954932.7/41

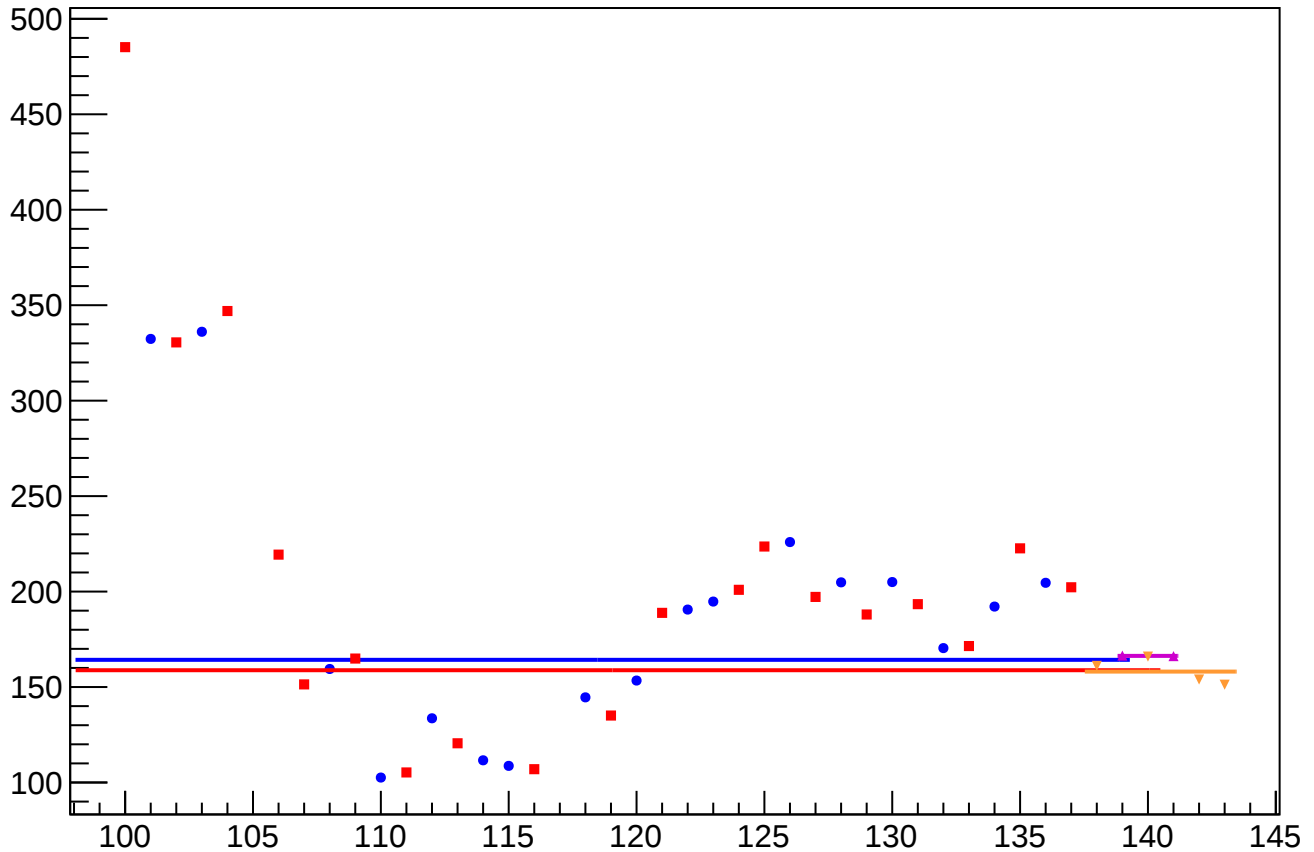
- sign 441.614+/-0.118 χ^2/NDF : 972546.5/20

yield_bpm0l04WS_mean vs Slug



Right In: 135389.443 $\pm$ 0.068 χ^2 /NDF: 4578120272.5/16
 Left Out: 126798.702 $\pm$ 0.097 χ^2 /NDF: 2829138.5/3
 Right Out: 135497.758 $\pm$ 0.064 χ^2 /NDF: 4738615601.8/18
 Left In: 126797.925 $\pm$ 0.135 χ^2 /NDF: 4201104.3/1

yield_bpm0l04WS_rms vs Slug



Right In: 164.250 $\pm$ 0.048 χ^2 /NDF: 1227814.4/16

Left Out: 158.091 $\pm$ 0.069 χ^2 /NDF: 7595.0/3

+ sign 162.218 $\pm$ 0.040 χ^2 /NDF: 1240765.7/20

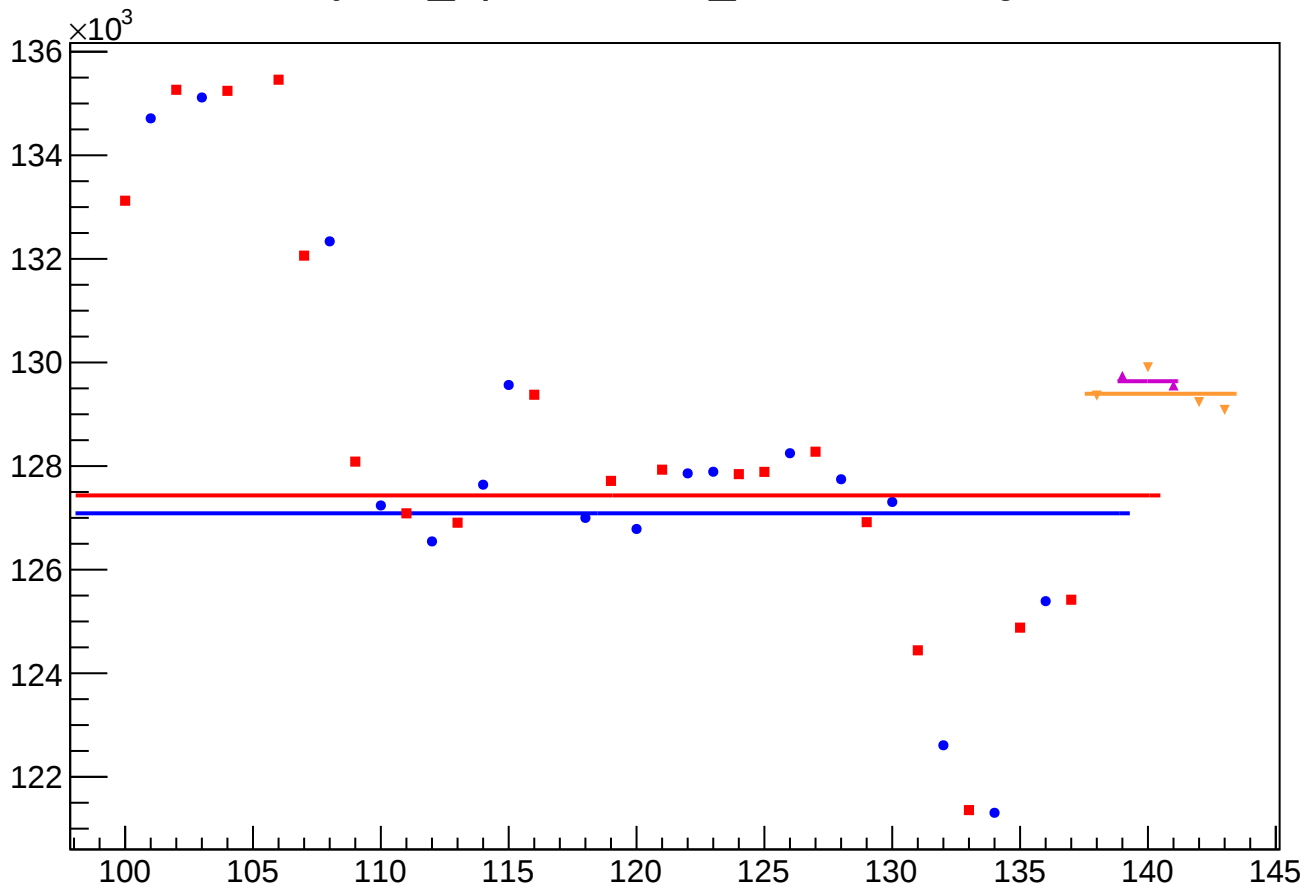
Right Out: 158.804 $\pm$ 0.046 χ^2 /NDF: 1376920.6/18

All: 161.244 $\pm$ 0.029 χ^2 /NDF: 2623979.6/41

- sign 160.192 $\pm$ 0.041 χ^2 /NDF: 1381953.5/20

Left In: 166.319 $\pm$ 0.096 χ^2 /NDF: 2.1/1

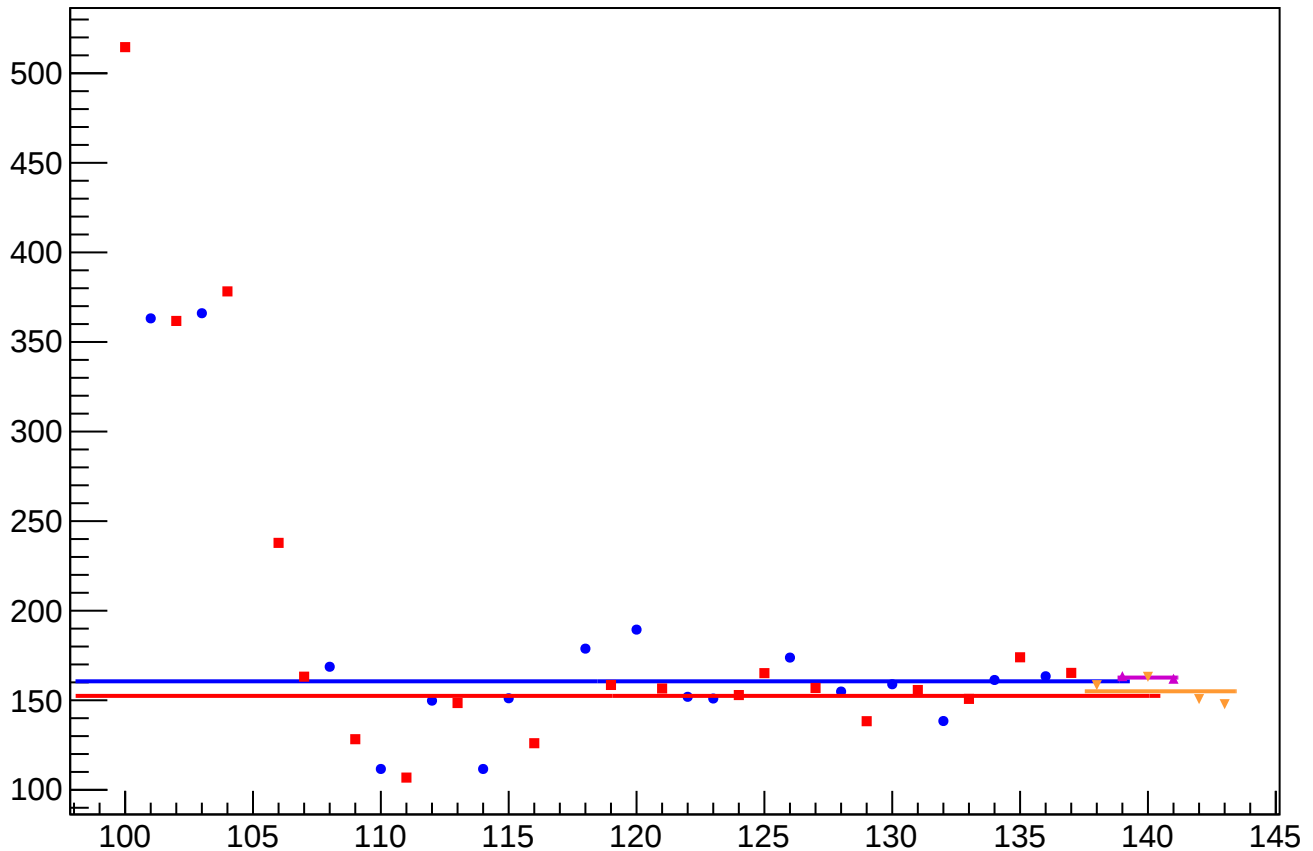
yield_bpm0l05WS_mean vs Slug



Right In: 127088.167 $\pm$ 0.066 χ^2 /NDF: 1716591601.9/16
 Left Out: 129396.115 $\pm$ 0.096 χ^2 /NDF: 11282940.4/3
 Right Out: 127433.358 $\pm$ 0.062 χ^2 /NDF: 2081739412.0/18
 Left In: 129638.384 $\pm$ 0.132 χ^2 /NDF: 471721.2/1

+ sign 127838.259 $\pm$ 0.055 χ^2 /NDF: 2120080269.7
 All: 127831.997 $\pm$ 0.039 χ^2 /NDF: 44303724.0
 - sign 127825.447 $\pm$ 0.056 χ^2 /NDF: 2310265220.0

yield_bpm0l05WS_rms vs Slug



Right In: 160.589 ± 0.047 χ^2/NDF : 942522.1/16

Left Out: 155.017 ± 0.068 χ^2/NDF : 8639.3/3

Right Out: 152.452 ± 0.044 χ^2/NDF : 1084973.3/18

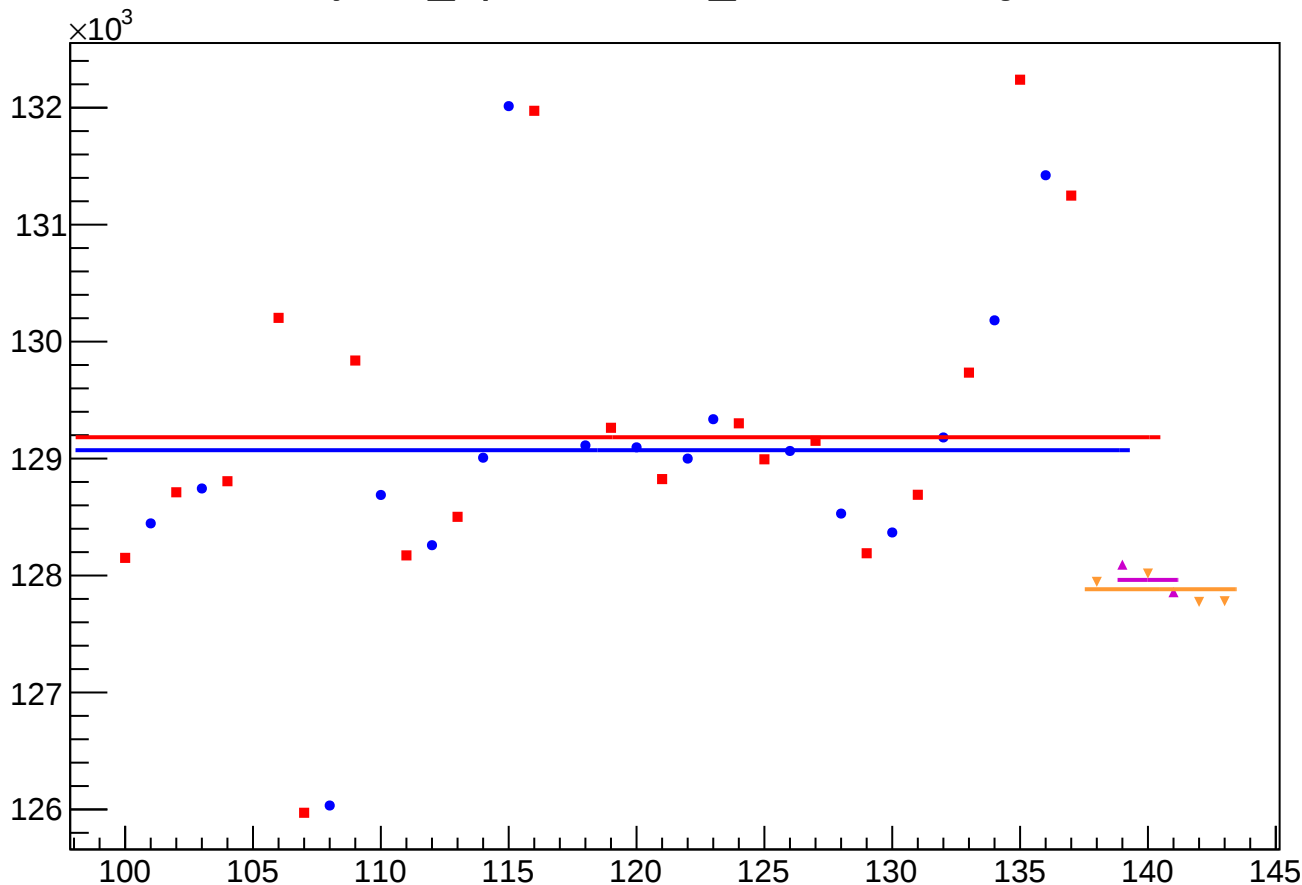
Left In: 162.674 ± 0.094 χ^2/NDF : 57.8/1

+ sign 158.778 ± 0.039 χ^2/NDF : 955732.9/20

All: 156.574 ± 0.028 χ^2/NDF : 2057233.7/41

- sign 154.269 ± 0.039 χ^2/NDF : 1094832.8/20

yield_bpm0l06WS_mean vs Slug



Right In: 129071.617 ± 0.060 $\chi^2/\text{NDF}: 476291091.1/16$

Left Out: 127882.841 ± 0.092 $\chi^2/\text{NDF}: 1284864.7/3$

Right Out: 129182.486 ± 0.056 $\chi^2/\text{NDF}: 625425272.9/18$

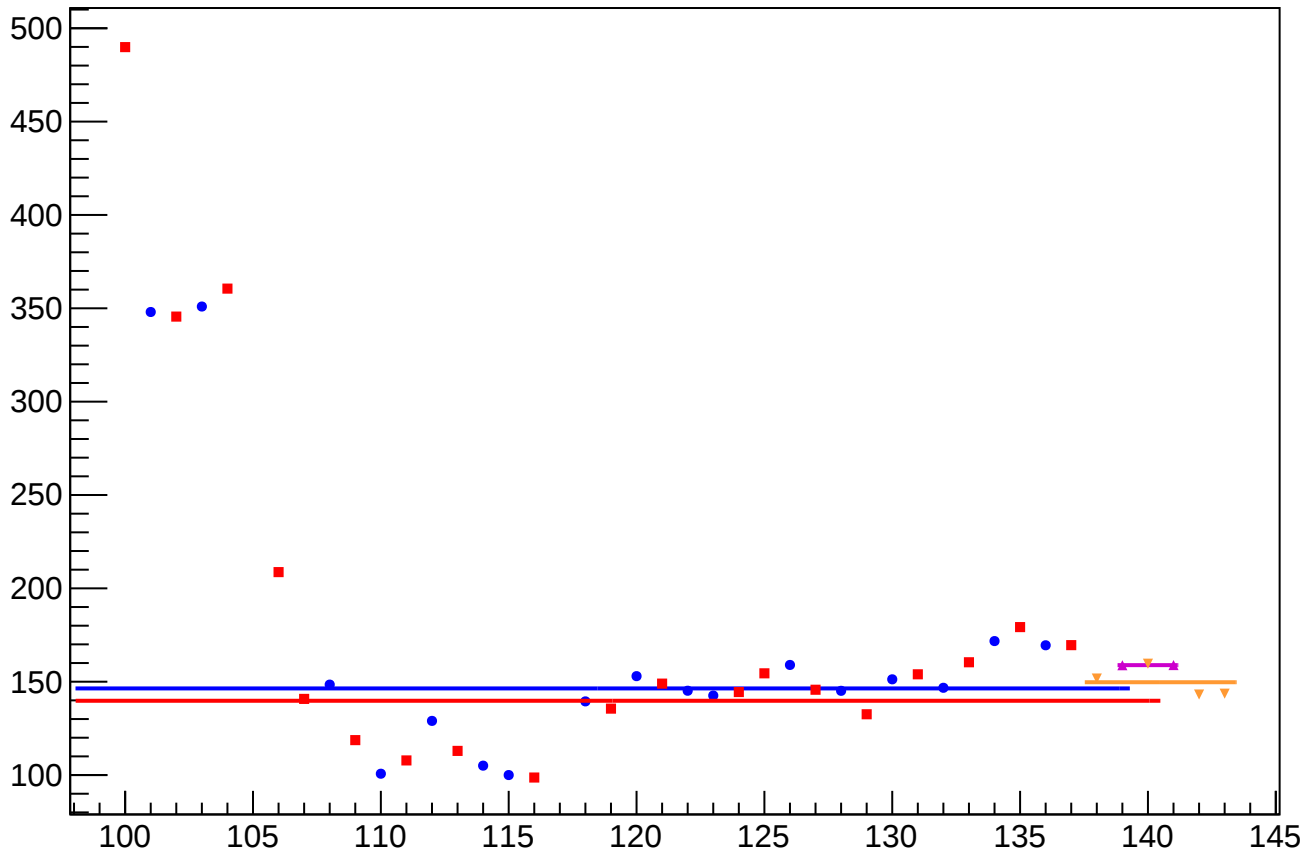
Left In: 127962.627 ± 0.129 $\chi^2/\text{NDF}: 821858.3/1$

+ sign 128715.585 ± 0.050 $\chi^2/\text{NDF}: 594079959.3/2$

All: 128849.437 ± 0.036 $\chi^2/\text{NDF}: 130969400$

- sign 128988.821 ± 0.051 $\chi^2/\text{NDF}: 701242507.3/2$

yield_bpm0l06WS_rms vs Slug



Right In: 146.401 $\pm$ 0.043 χ^2 /NDF: 1066973.0/16

Left Out: 149.718 $\pm$ 0.065 χ^2 /NDF:10645.1/3

Right Out: 139.793 $\pm$ 0.040 χ^2 /NDF: 1200865.0/18

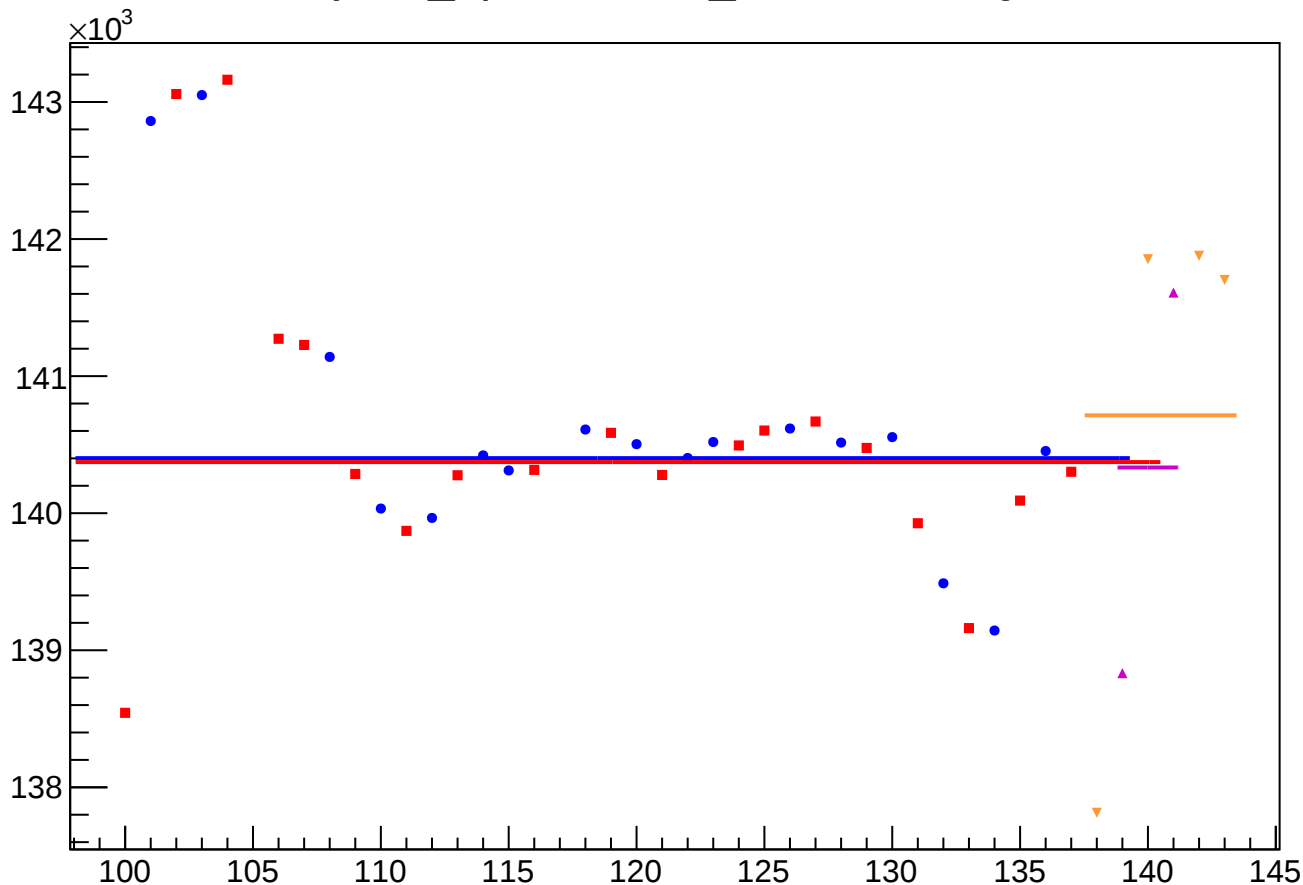
Left In: 158.875 $\pm$ 0.091 χ^2 /NDF:0.2/1

+ sign 147.394 $\pm$ 0.036 χ^2 /NDF: 1079431.7/20

All: 145.155 $\pm$ 0.025 χ^2 /NDF: 2325045.8/41

- sign 142.823 $\pm$ 0.036 χ^2 /NDF: 1237567.0/20

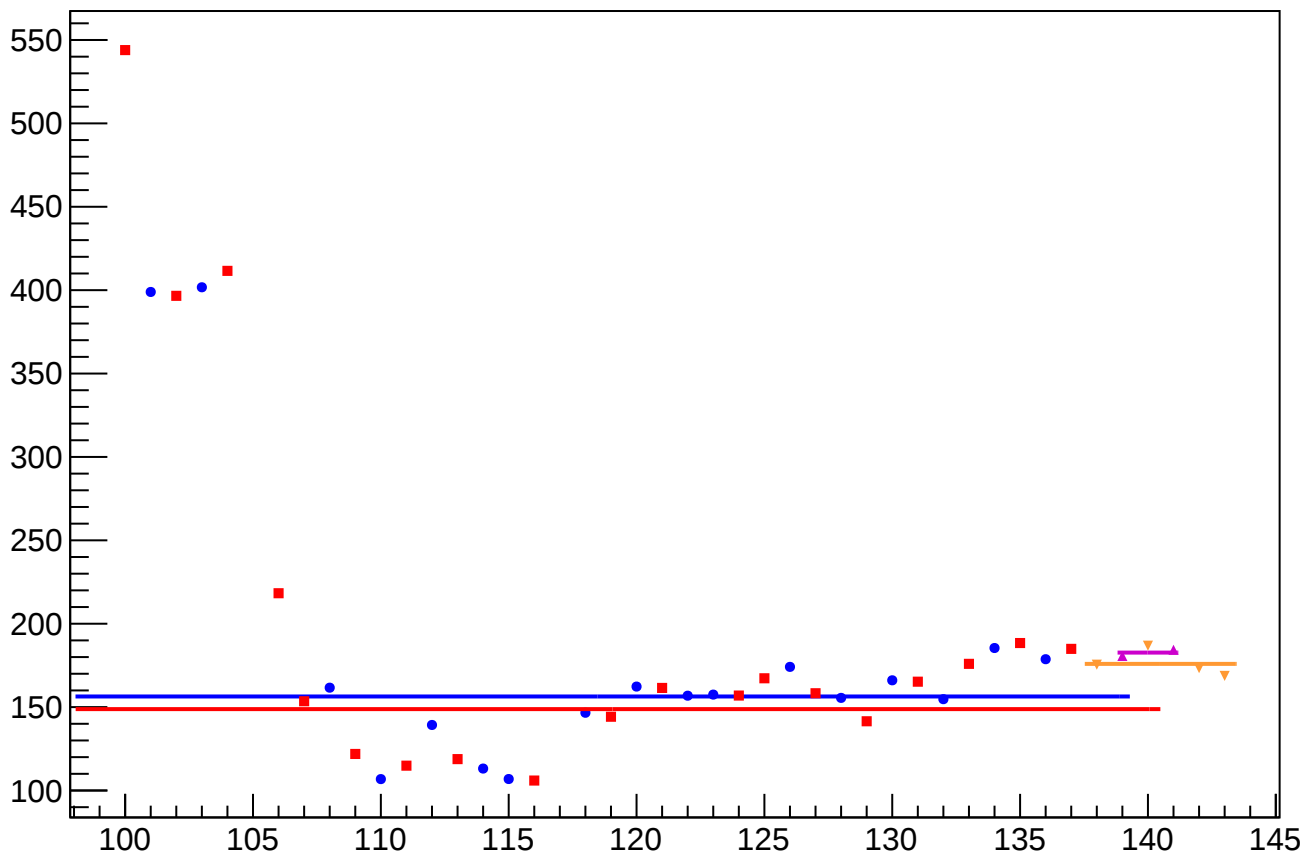
yield_bpm0l07WS_mean vs Slug



Right In: 140401.573 $\pm$ 0.064 χ^2 /NDF: 88055814.0/16
 Left Out: 140714.066 $\pm$ 0.109 χ^2 /NDF: 263082224.5/3
 Right Out: 140372.890 $\pm$ 0.060 χ^2 /NDF: 99844698.8/18
 Left In: 140333.242 $\pm$ 0.149 χ^2 /NDF: 85795636.6/1

+ sign 140482.351 $\pm$ 0.056 χ^2 /NDF: 357212605.5/2
 All: 140424.956 $\pm$ 0.039 χ^2 /NDF: 545054748
 - sign 140367.402 $\pm$ 0.056 χ^2 /NDF: 185701006.2/2

yield_bpm0l07WS_rms vs Slug



Right In: 156.377 $\pm$ 0.046 χ^2 /NDF: 1154470.5/16

Left Out: 175.920 $\pm$ 0.077 χ^2 /NDF: 7994.0/3

Right Out: 148.800 $\pm$ 0.042 χ^2 /NDF: 1304529.7/18

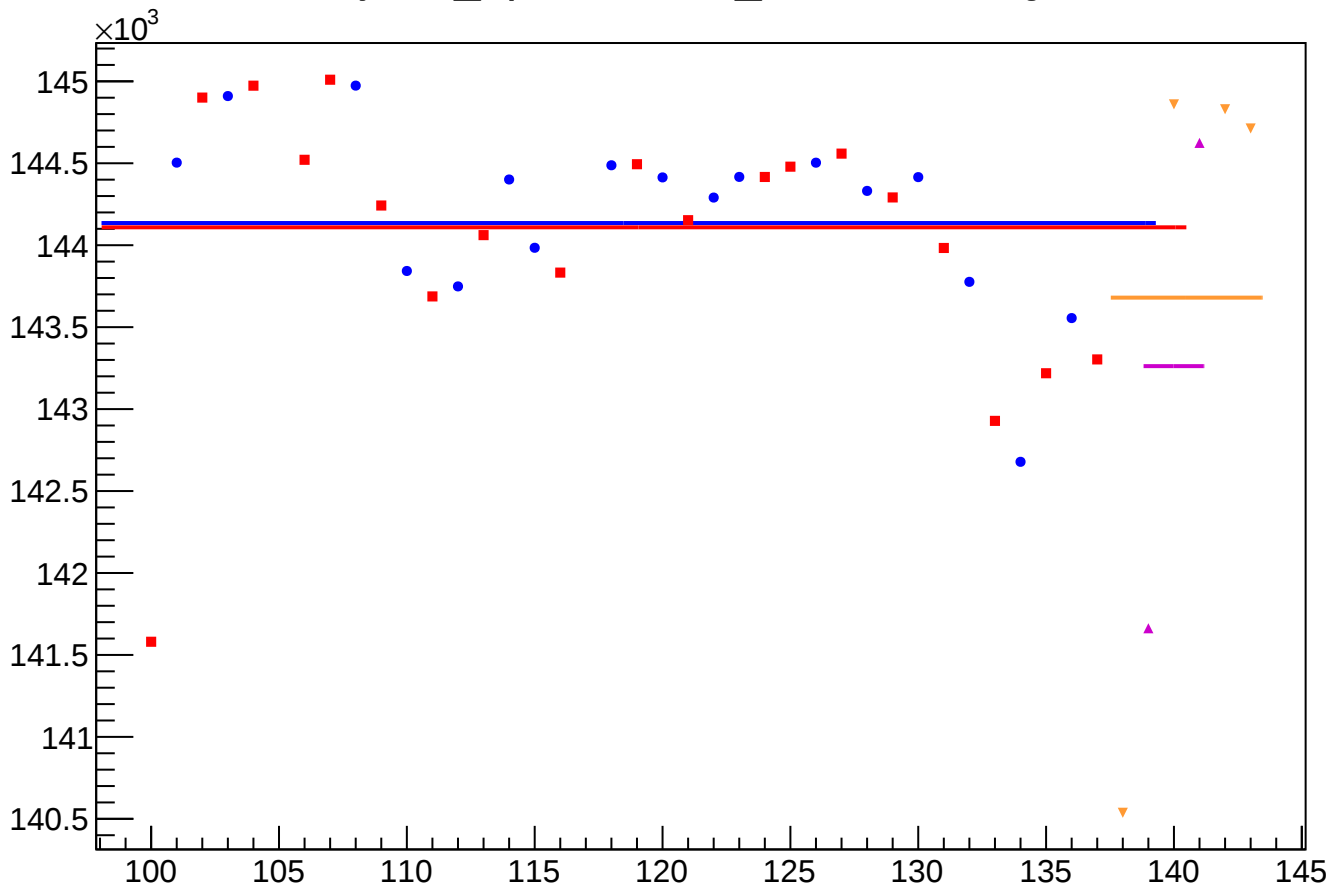
Left In: 182.687 $\pm$ 0.106 χ^2 /NDF: 301.0/1

+ sign 161.428 $\pm$ 0.039 χ^2 /NDF: 1209982.3/20

All: 157.465 $\pm$ 0.028 χ^2 /NDF: 2623879.9/41

- sign 153.490 $\pm$ 0.039 χ^2 /NDF: 1393475.3/20

yield_bpm0l08WS_mean vs Slug



Right In: 144135.363 $\pm$ 0.067 χ^2 /NDF: 47030717.0/16

Left Out: 143680.144 $\pm$ 0.107 χ^2 /NDF: 303164926.0/3

Right Out: 144109.137 $\pm$ 0.062 χ^2 /NDF: 65233259.1/18

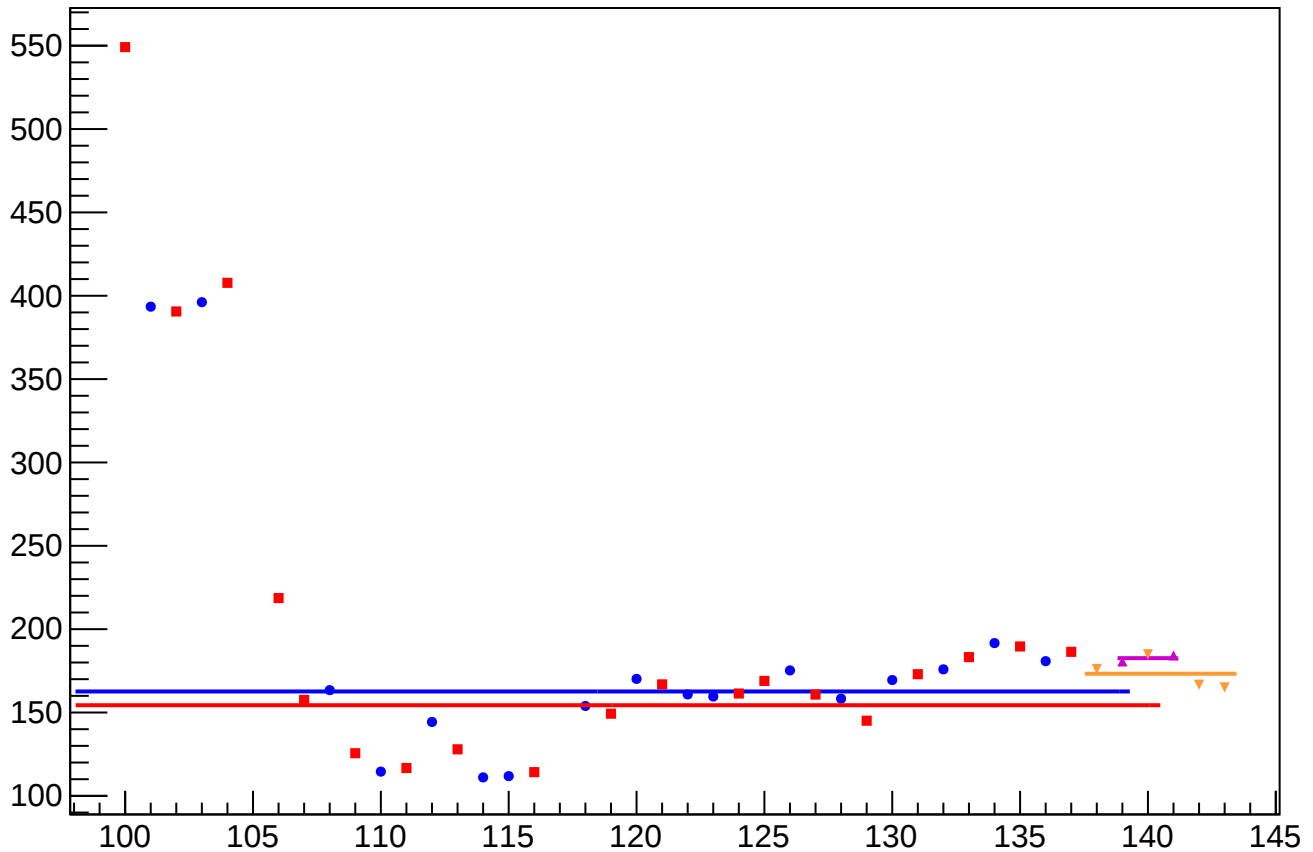
Left In: 143262.171 $\pm$ 0.149 χ^2 /NDF: 97877931.3/1

+ sign 144008.027 $\pm$ 0.057 χ^2 /NDF: 363156975.4/2

All: 143996.481 $\pm$ 0.040 χ^2 /NDF: 553847085

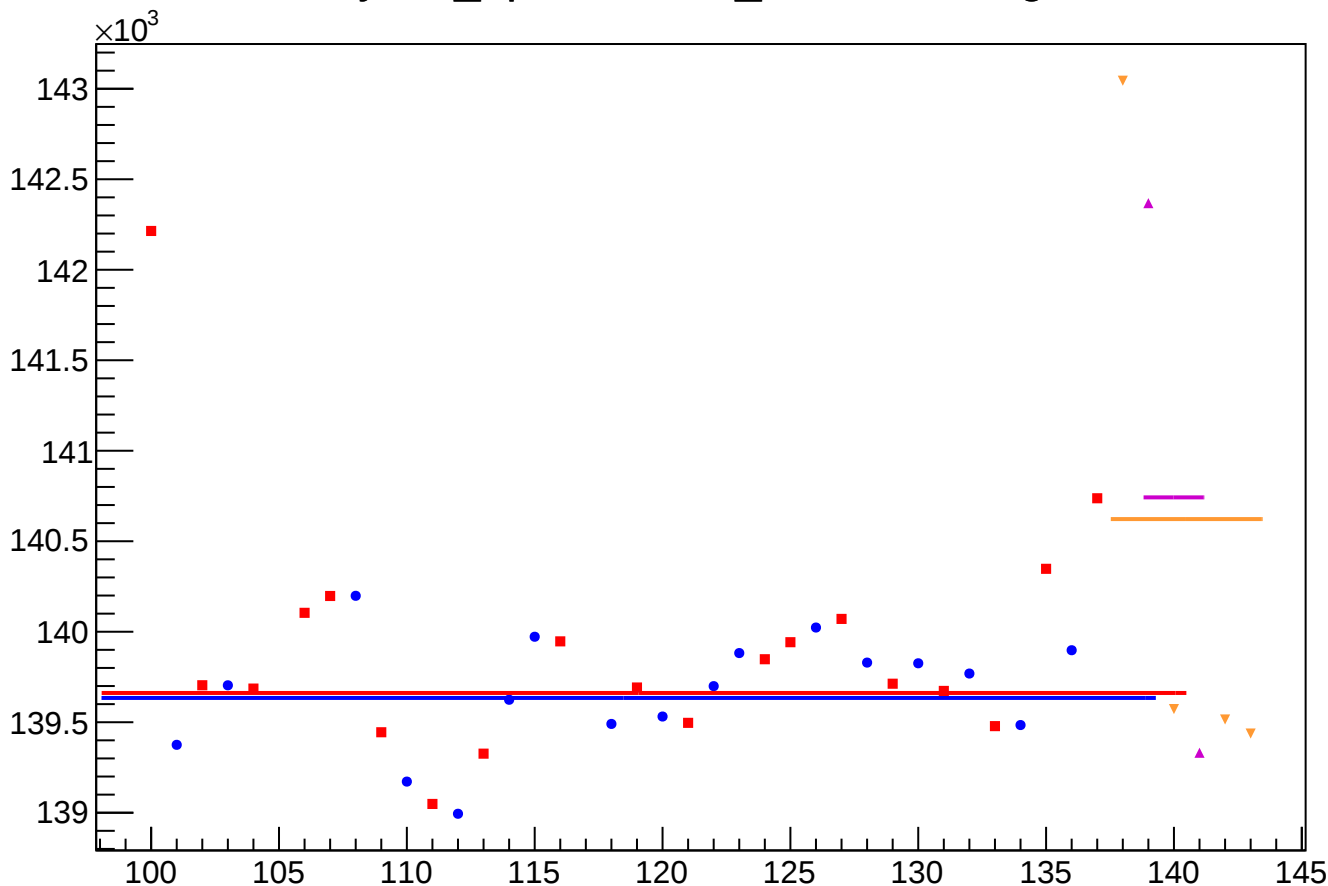
- sign 143984.766 $\pm$ 0.057 χ^2 /NDF: 190606732.9/2

yield_bpm0l08WS_rms vs Slug



Right In: 162.634 ± 0.047 $\chi^2/\text{NDF}: 1069524.2/16$ + sign 165.608 ± 0.040 $\chi^2/\text{NDF}: 1094987.3/20$
 Left Out: 173.265 ± 0.076 $\chi^2/\text{NDF}: 11325.8/3$ All: 162.091 ± 0.028 $\chi^2/\text{NDF}: 2386307.3/41$
 Right Out: 154.377 ± 0.044 $\chi^2/\text{NDF}: 1214462.2/18$ - sign 158.523 ± 0.040 $\chi^2/\text{NDF}: 1275850.9/20$
 Left In: 182.608 ± 0.105 $\chi^2/\text{NDF}: 293.3/1$

yield_bpm0l09WS_mean vs Slug



Right In: 139634.248 $\pm$ 0.068 χ^2 /NDF: 24816599.6/16

Left Out: 140622.465 $\pm$ 0.121 χ^2 /NDF: 182815114.9/3

Right Out: 139661.708 $\pm$ 0.063 χ^2 /NDF: 38354381.9/18

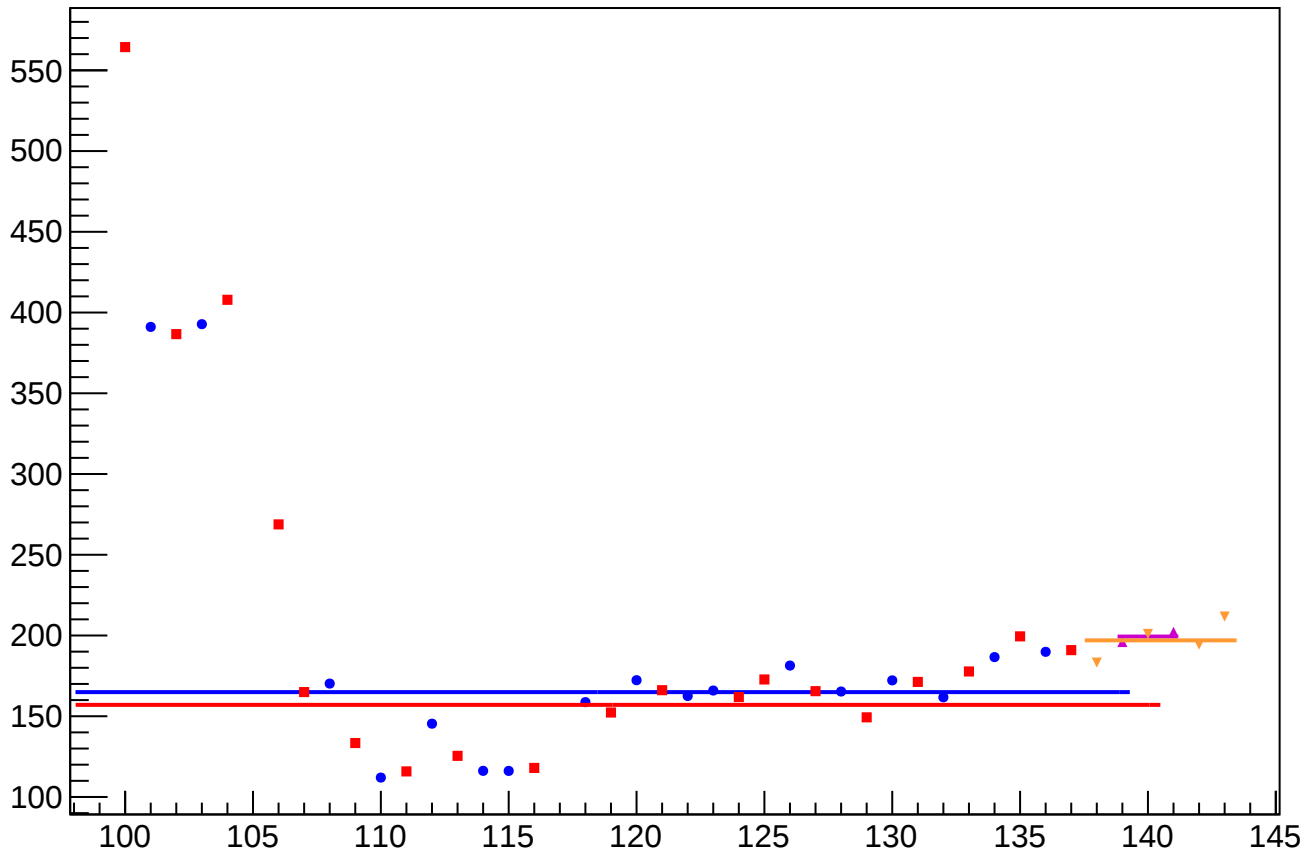
Left In: 140742.346 $\pm$ 0.163 χ^2 /NDF: 86588946.3/1

+ sign 139869.695 $\pm$ 0.059 χ^2 /NDF: 258066819.8/2

All: 139835.991 $\pm$ 0.042 χ^2 /NDF: 421980269.8/2

- sign 139802.816 $\pm$ 0.059 χ^2 /NDF: 163272009.4/2

yield_bpm0l09WS_rms vs Slug



Right In: 164.938 $\pm$ 0.048 χ^2 /NDF: 1064403.1/16

Left Out: 196.986 $\pm$ 0.086 χ^2 /NDF:16159.8/3

Right Out: 157.047 $\pm$ 0.045 χ^2 /NDF: 1242666.6/18

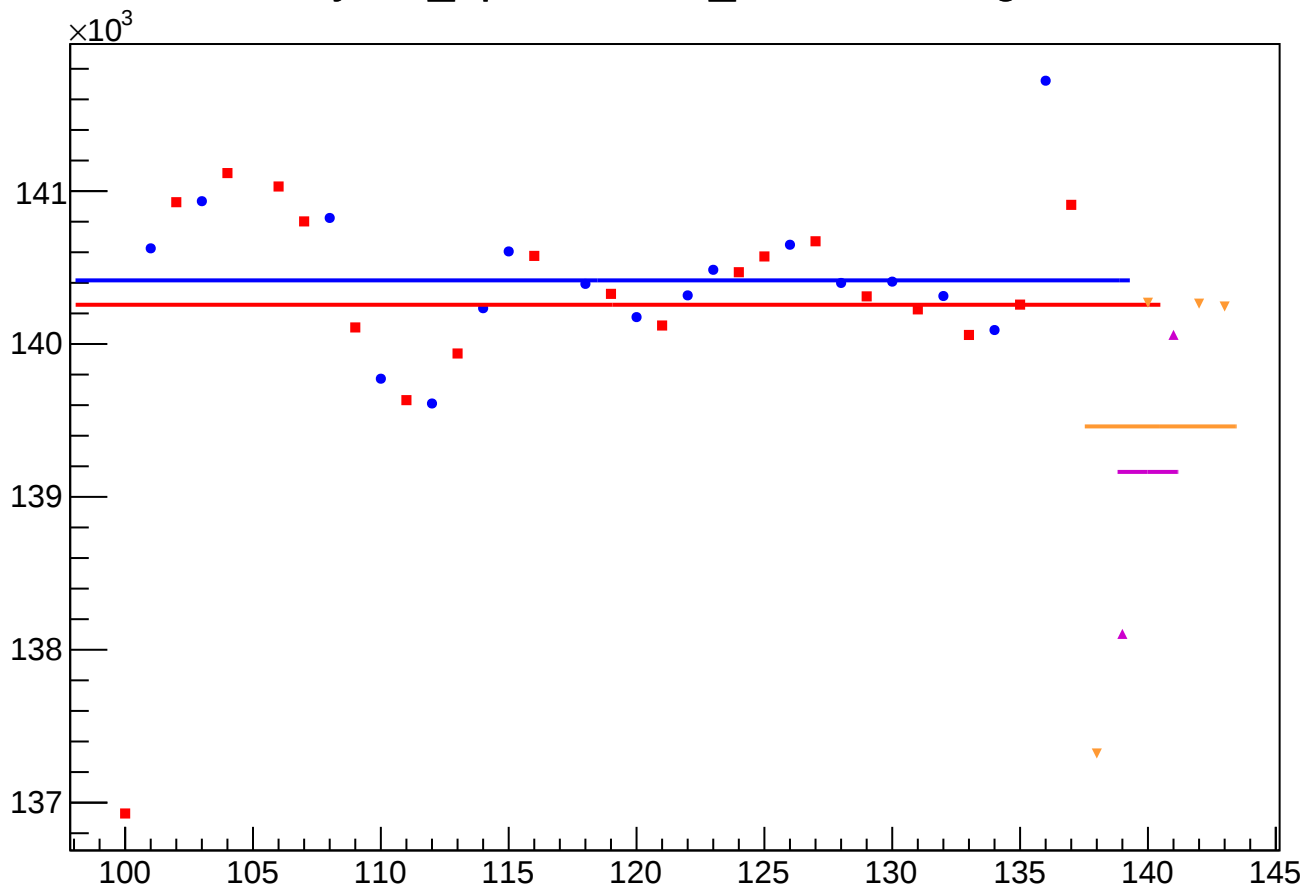
Left In: 199.345 $\pm$ 0.115 χ^2 /NDF:749.3/1

+ sign 172.573 $\pm$ 0.042 χ^2 /NDF: 1186648.2/20

All: 167.532 $\pm$ 0.030 χ^2 /NDF: 2576204.8/41

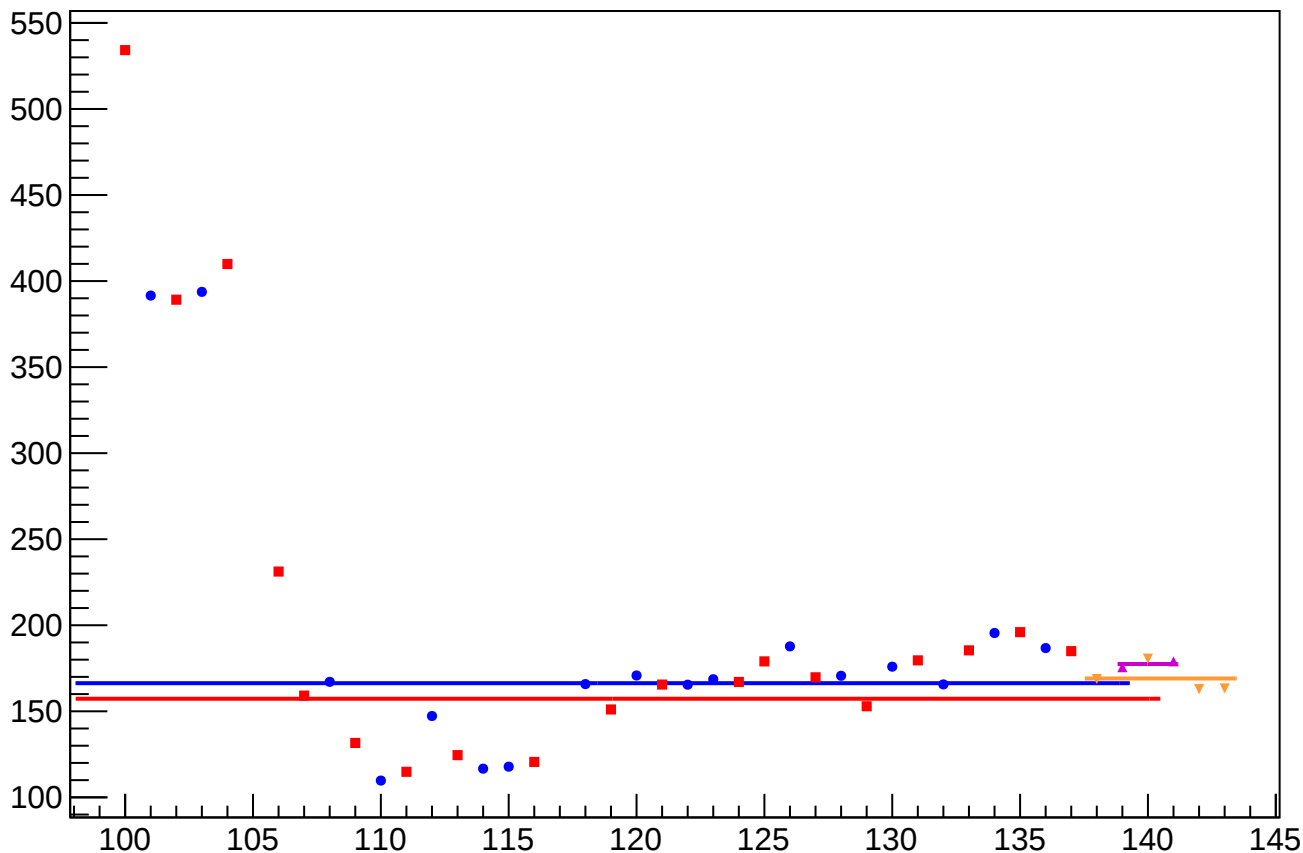
- sign 162.571 $\pm$ 0.042 χ^2 /NDF: 1360859.8/20

yield_bpm0l10WS_mean vs Slug



Right In: 140416.183 $\pm$ 0.069	χ^2 /NDF: 69956735.1/16	+ sign 140128.729 $\pm$ 0.057	χ^2 /NDF: 284922437.8/2
Left Out: 139460.865 $\pm$ 0.104	χ^2 /NDF: 156448405.8/3	All: 140105.487 $\pm$ 0.041	χ^2 /NDF: 416516637
Right Out: 140256.621 $\pm$ 0.063	χ^2 /NDF: 38038769.4/18	- sign 140081.738 $\pm$ 0.058	χ^2 /NDF: 131261308.5/2
Left In: 139163.347 $\pm$ 0.145	χ^2 /NDF: 45314518.4/1		

yield_bpm0l10WS_rms vs Slug



Right In: 166.338+/-0.048 χ^2/NDF : 1081005.6/16

Left Out: 169.066+/-0.074 χ^2/NDF : 9236.1/3

Right Out: 157.302+/-0.045 χ^2/NDF : 1226210.5/18

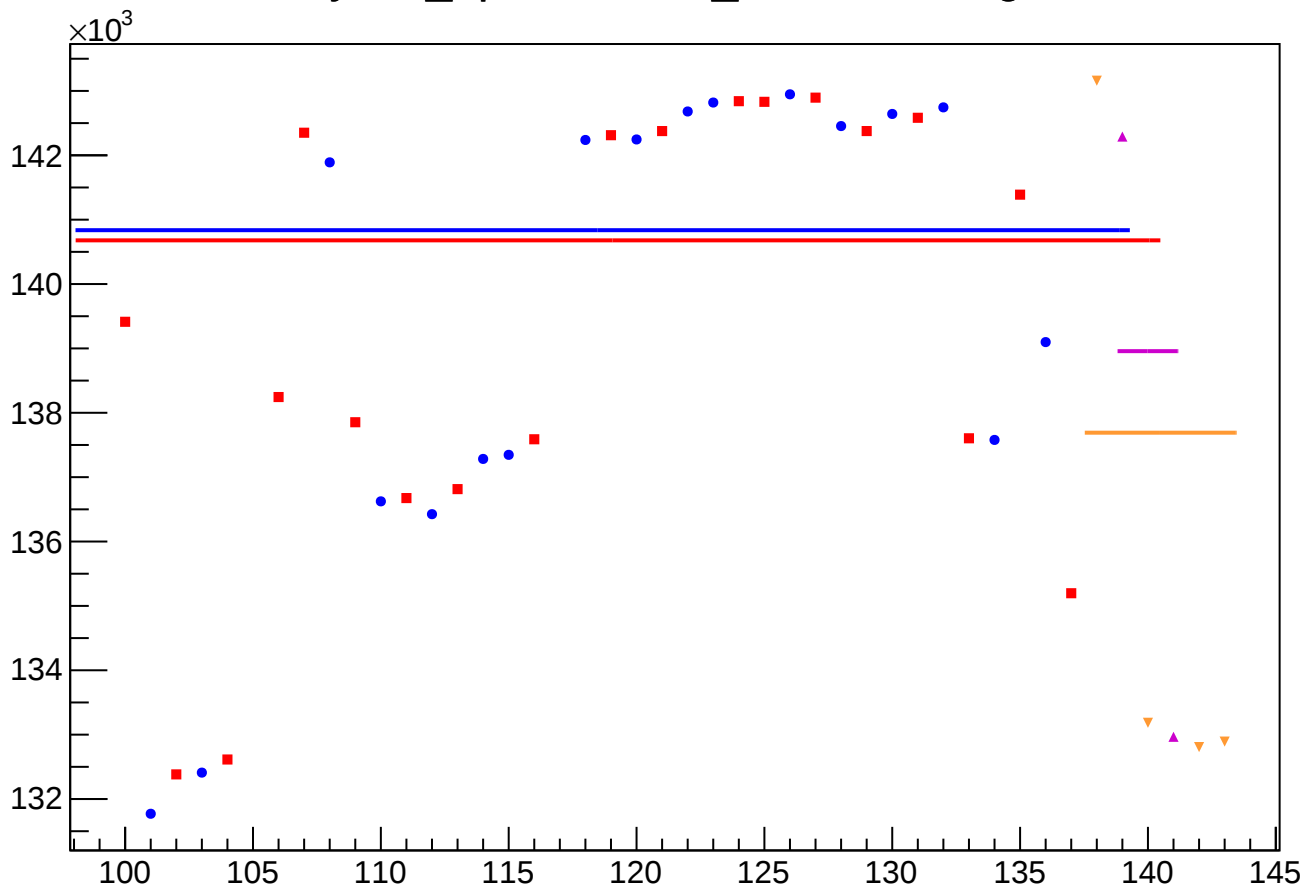
Left In: 177.475+/-0.102 χ^2/NDF : 275.7/1

+ sign 167.159+/-0.041 χ^2/NDF : 1091196.3/20

All: 163.880+/-0.029 χ^2/NDF : 2363553.7/41

- sign 160.529+/-0.041 χ^2/NDF : 1259106.3/20

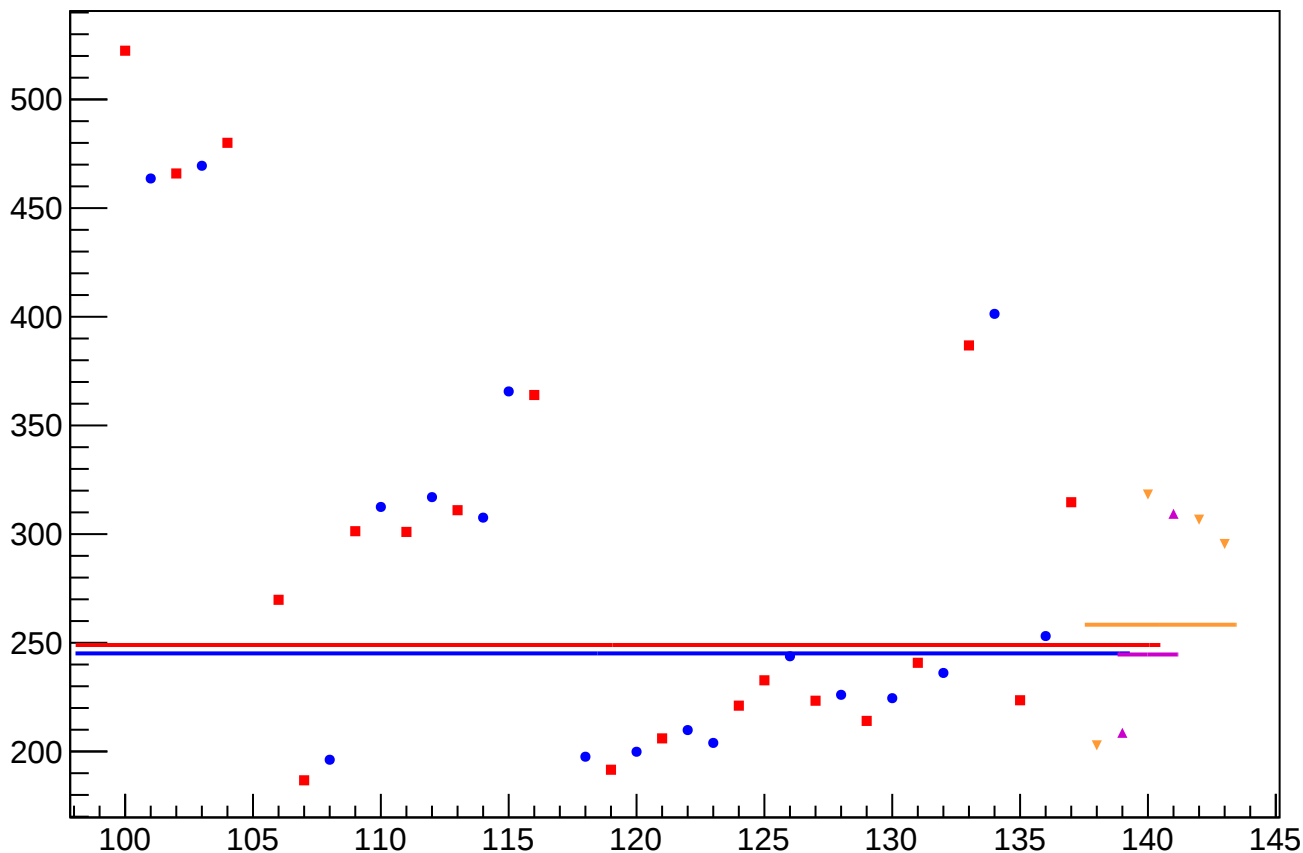
yield_bpm0r03WS_mean vs Slug



Right In: 140836.633 $\pm$ 0.100 χ^2 /NDF: 821253018.3/16
 Left Out: 137690.892 $\pm$ 0.165 χ^2 /NDF: 948301296.6/3
 Right Out: 140678.692 $\pm$ 0.099 χ^2 /NDF: 840853098.4/18
 Left In: 138957.408 $\pm$ 0.206 χ^2 /NDF: 469478459.6/1

+ sign 139988.350 $\pm$ 0.086 χ^2 /NDF: 2035475890.0
 All: 140164.230 $\pm$ 0.062 χ^2 /NDF: 341121022
 - sign 140355.749 $\pm$ 0.089 χ^2 /NDF: 1366917373.5/

yield_bpm0r03WS_rms vs Slug



Right In: 245.117 $\pm$ 0.071 χ^2 /NDF: 868050.1/16

Left Out: 258.320 $\pm$ 0.117 χ^2 /NDF:199338.0/3

Right Out: 248.984 $\pm$ 0.070 χ^2 /NDF: 1011335.0/18

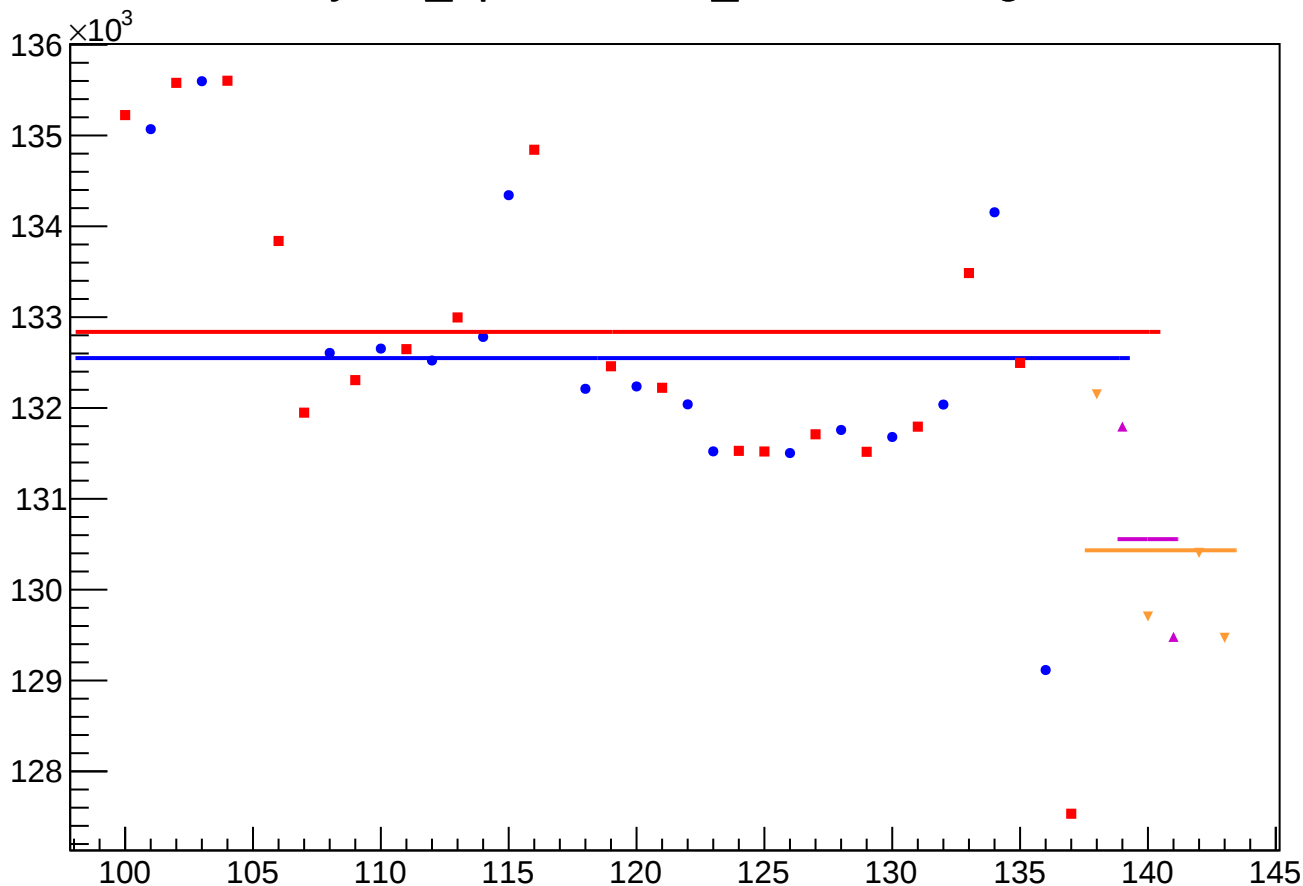
Left In: 244.619 $\pm$ 0.146 χ^2 /NDF:109677.0/1

+ sign 248.677 $\pm$ 0.061 χ^2 /NDF: 1076757.3/20

All: 248.432 $\pm$ 0.044 χ^2 /NDF: 2198531.3/41

- sign 248.165 $\pm$ 0.063 χ^2 /NDF: 1121739.7/20

yield_bpm0r05WS_mean vs Slug



Right In: 132549.335 $\pm$ 0.120 χ^2 /NDF: 161038742.0/16

Left Out: 130433.286 $\pm$ 0.113 χ^2 /NDF: 96032982.3/3

Right Out: 132837.715 $\pm$ 0.107 χ^2 /NDF: 149672642.4/18

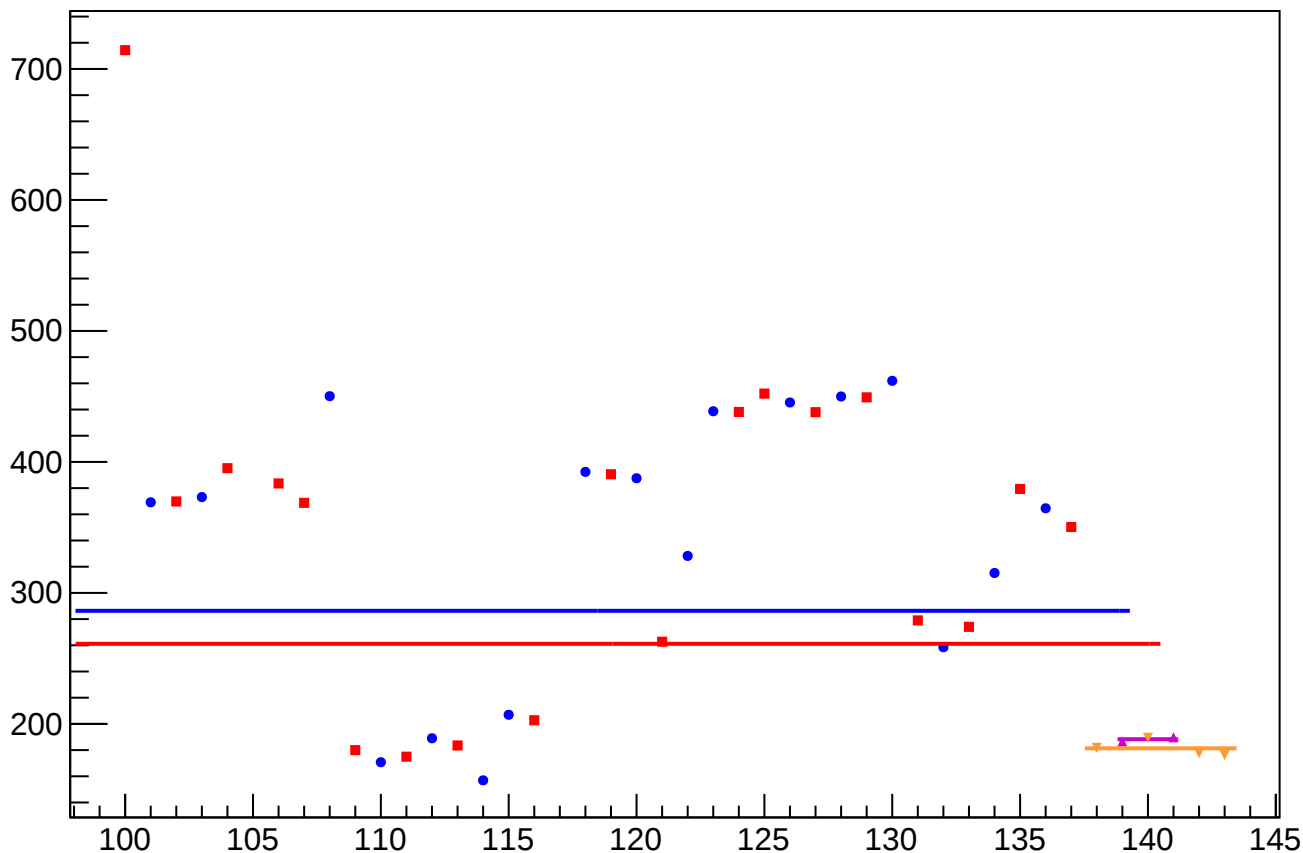
Left In: 130556.247 $\pm$ 0.155 χ^2 /NDF: 55682171.7/1

+ sign 131435.309 $\pm$ 0.082 χ^2 /NDF: 421753140.8/2

All: 131744.879 $\pm$ 0.060 χ^2 /NDF: 804409187.0/1

- sign 132098.974 $\pm$ 0.088 χ^2 /NDF: 352346517.0/2

yield_bpm0r05WS_rms vs Slug



Right In: 286.338 $\pm$ 0.085 χ^2 /NDF: 1514049.7/16

Left Out: 181.353 $\pm$ 0.080 χ^2 /NDF:4163.2/3

Right Out: 261.146 $\pm$ 0.076 χ^2 /NDF: 1614381.3/18

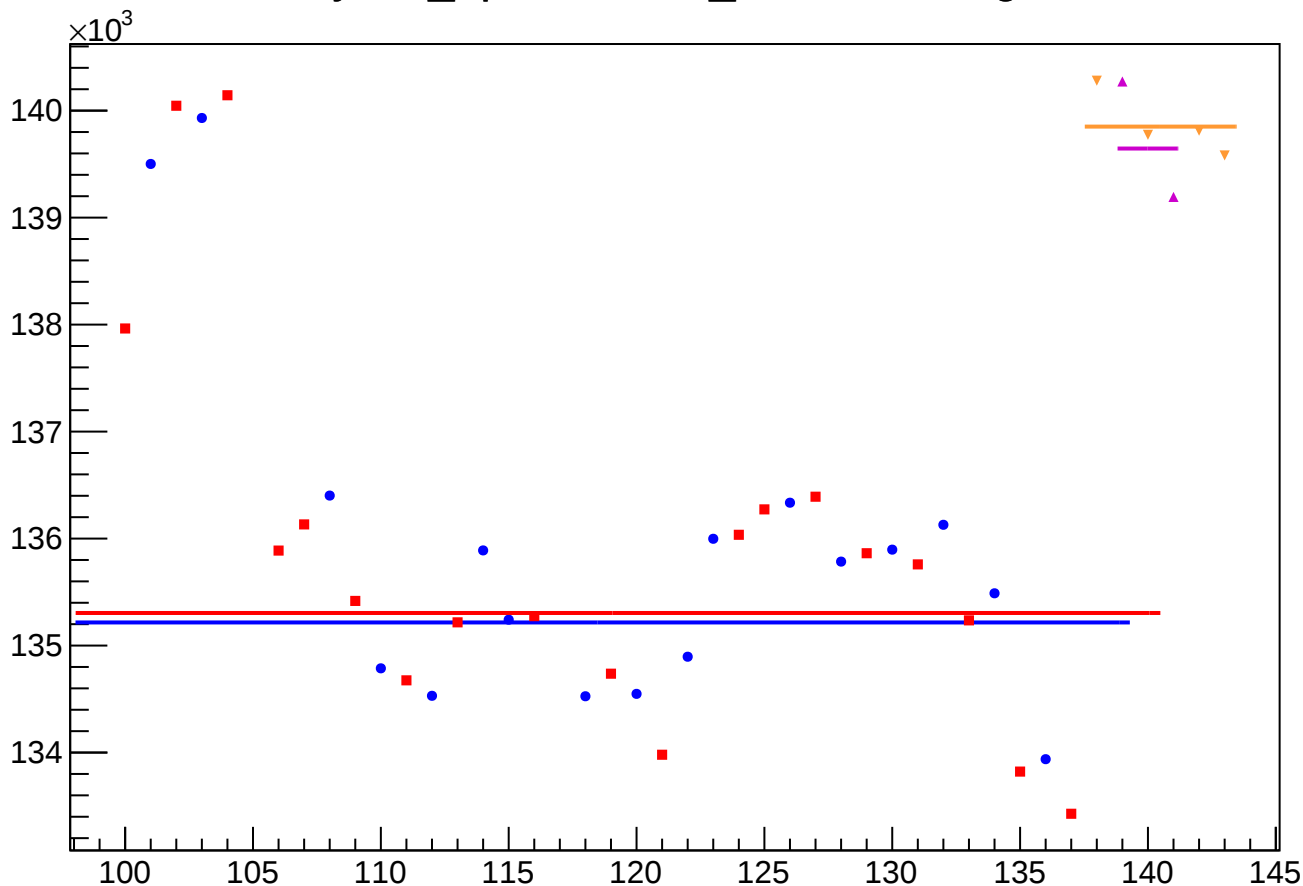
Left In: 188.310 $\pm$ 0.109 χ^2 /NDF:204.8/1

+ sign 231.067 $\pm$ 0.058 χ^2 /NDF: 2328942.4/20

All: 234.096 $\pm$ 0.043 χ^2 /NDF: 4248965.8/41

- sign 237.562 $\pm$ 0.062 χ^2 /NDF: 1914217.5/20

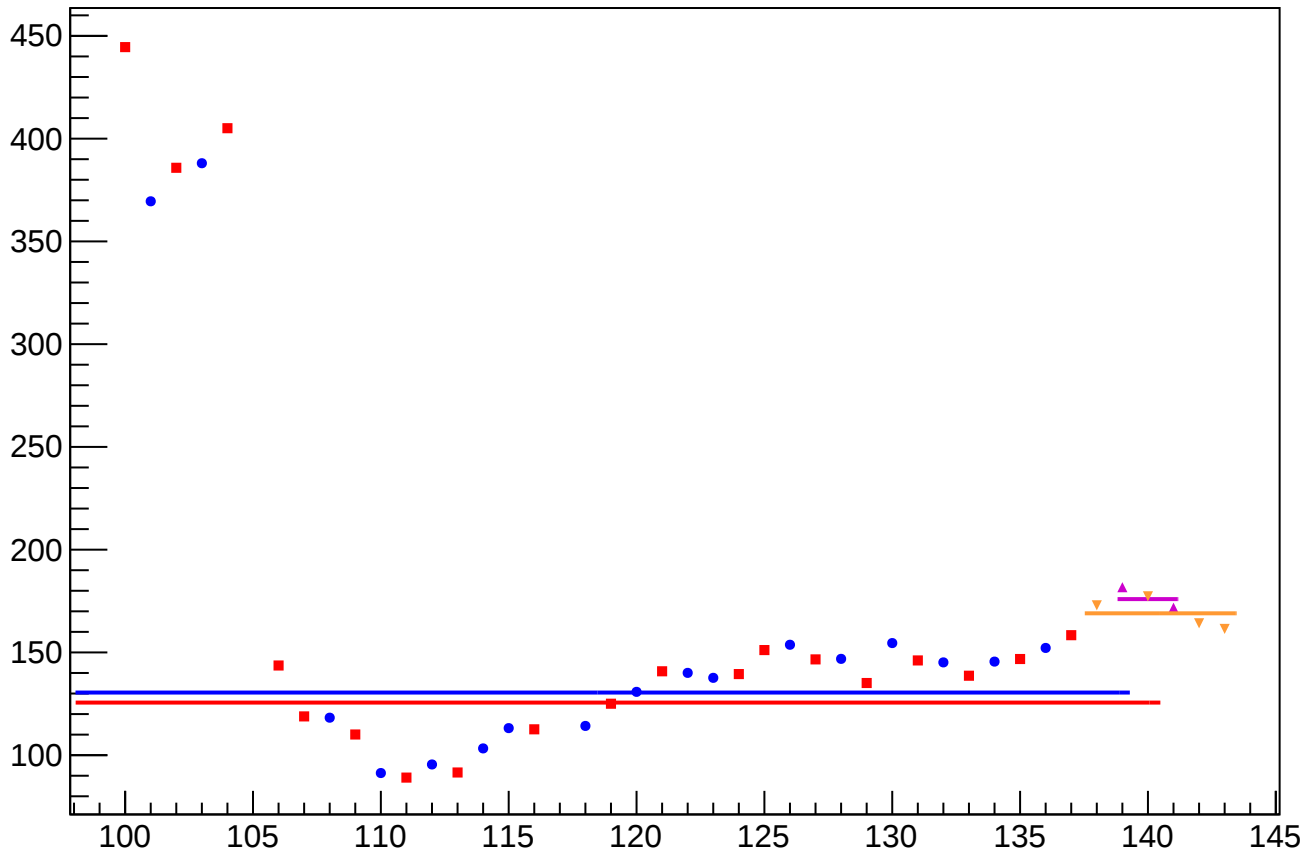
yield_bpm0i02WS_mean vs Slug



Right In: 135216.054 ± 0.054 $\chi^2/\text{NDF}: 371419425.6/16$
 Left Out: 139850.701 ± 0.104 $\chi^2/\text{NDF}: 6672706.8/3$
 Right Out: 135304.602 ± 0.051 $\chi^2/\text{NDF}: 357443836.5/18$
 Left In: 139645.687 ± 0.143 $\chi^2/\text{NDF}: 13850404.1/1$

+ sign 136214.235 ± 0.048 $\chi^2/\text{NDF}: 1939521994.4$
 All: 136005.337 ± 0.034 $\chi^2/\text{NDF}: 31648668$
 - sign 135796.842 ± 0.048 $\chi^2/\text{NDF}: 1187837711.4$

yield_bpm0i02WS_rms vs Slug



Right In: 130.478 $\pm$ 0.038 χ^2 /NDF: 1372969.9/16

Left Out: 169.031 $\pm$ 0.073 χ^2 /NDF:8120.8/3

Right Out: 125.594 $\pm$ 0.036 χ^2 /NDF: 1434855.8/18

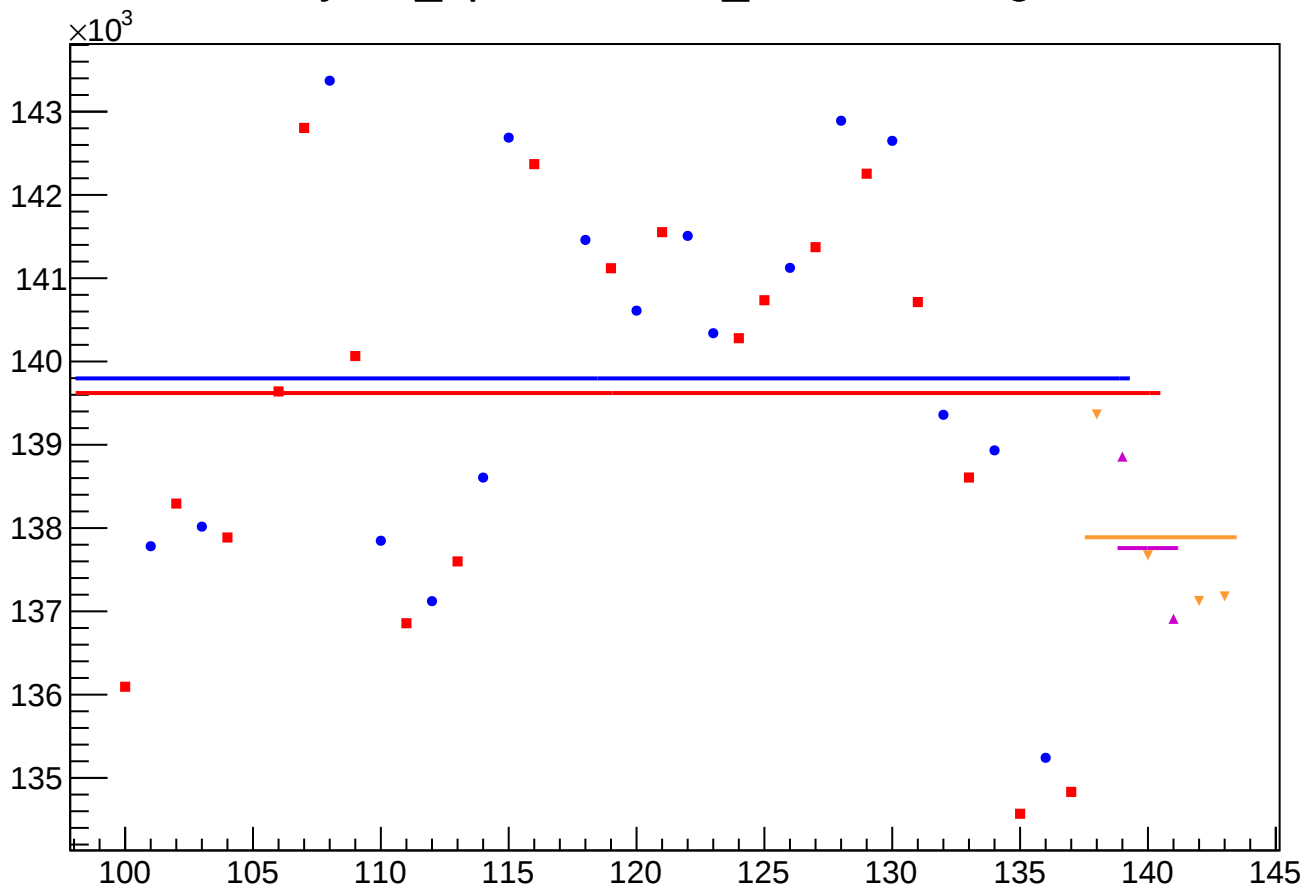
Left In: 175.947 $\pm$ 0.101 χ^2 /NDF:2366.2/1

+ sign 138.781 $\pm$ 0.034 χ^2 /NDF: 1597187.2/20

All: 135.039 $\pm$ 0.024 χ^2 /NDF: 3278197.3/41

- sign 131.304 $\pm$ 0.034 χ^2 /NDF: 1656937.2/20

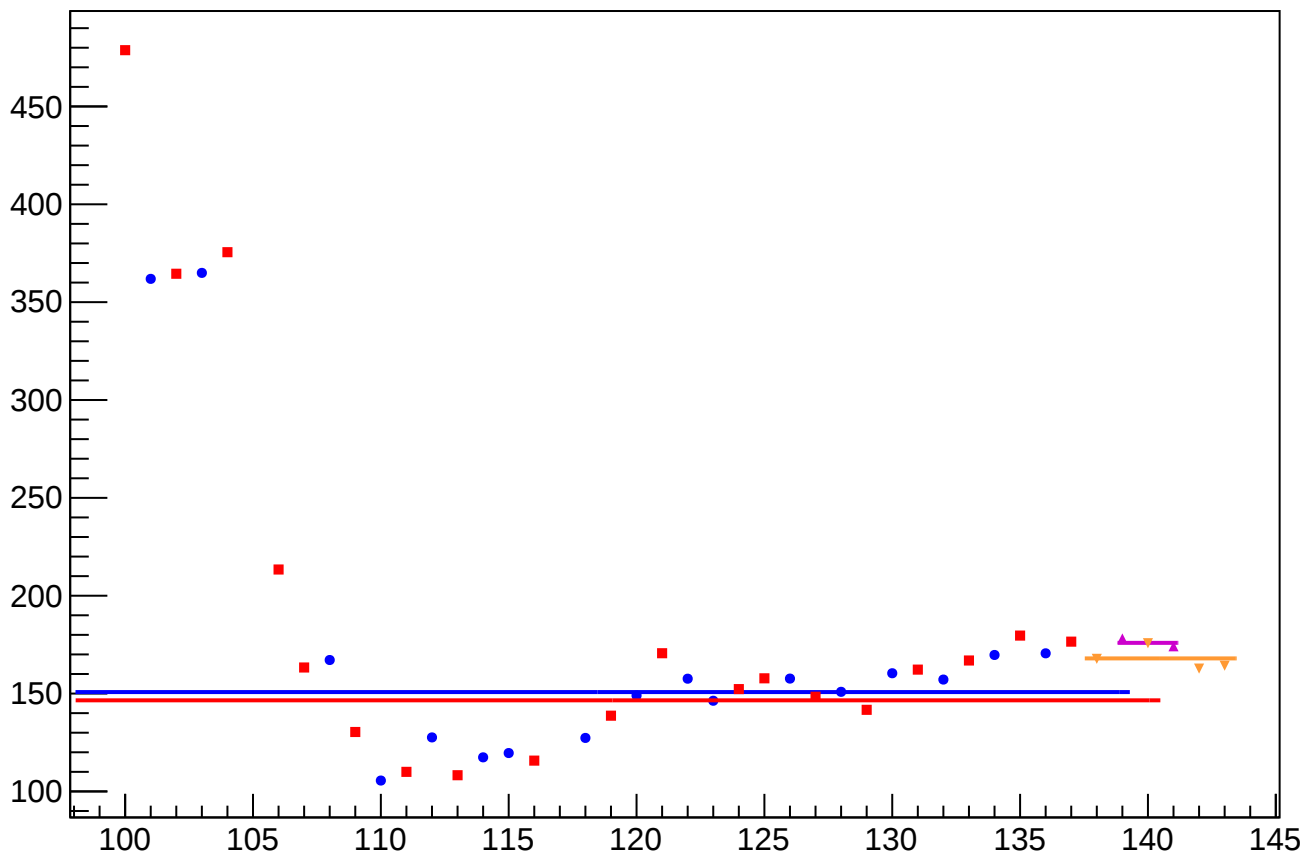
yield_bpm0i02aWS_mean vs Slug



Right In: 139796.979 $\pm$ 0.062 χ^2 /NDF: 1668151198.8/16
 Left Out: 137889.528 $\pm$ 0.104 χ^2 /NDF: 79032764.5/3
 Right Out: 139621.197 $\pm$ 0.059 χ^2 /NDF: 1504518858.4/18
 Left In: 137759.737 $\pm$ 0.143 χ^2 /NDF: 45483923.9/1

+ sign 139292.853 $\pm$ 0.053 χ^2 /NDF: 1996879857.3
 All: 139321.000 $\pm$ 0.038 χ^2 /NDF: 369187139
 - sign 139350.613 $\pm$ 0.055 χ^2 /NDF: 1694417720.4

yield_bpm0i02aWS_rms vs Slug



Right In: 150.766 $\pm$ 0.044 χ^2 /NDF: 1050110.5/16

Left Out: 167.968 $\pm$ 0.073 χ^2 /NDF:4596.4/3

Right Out: 146.546 $\pm$ 0.042 χ^2 /NDF: 1200776.5/18

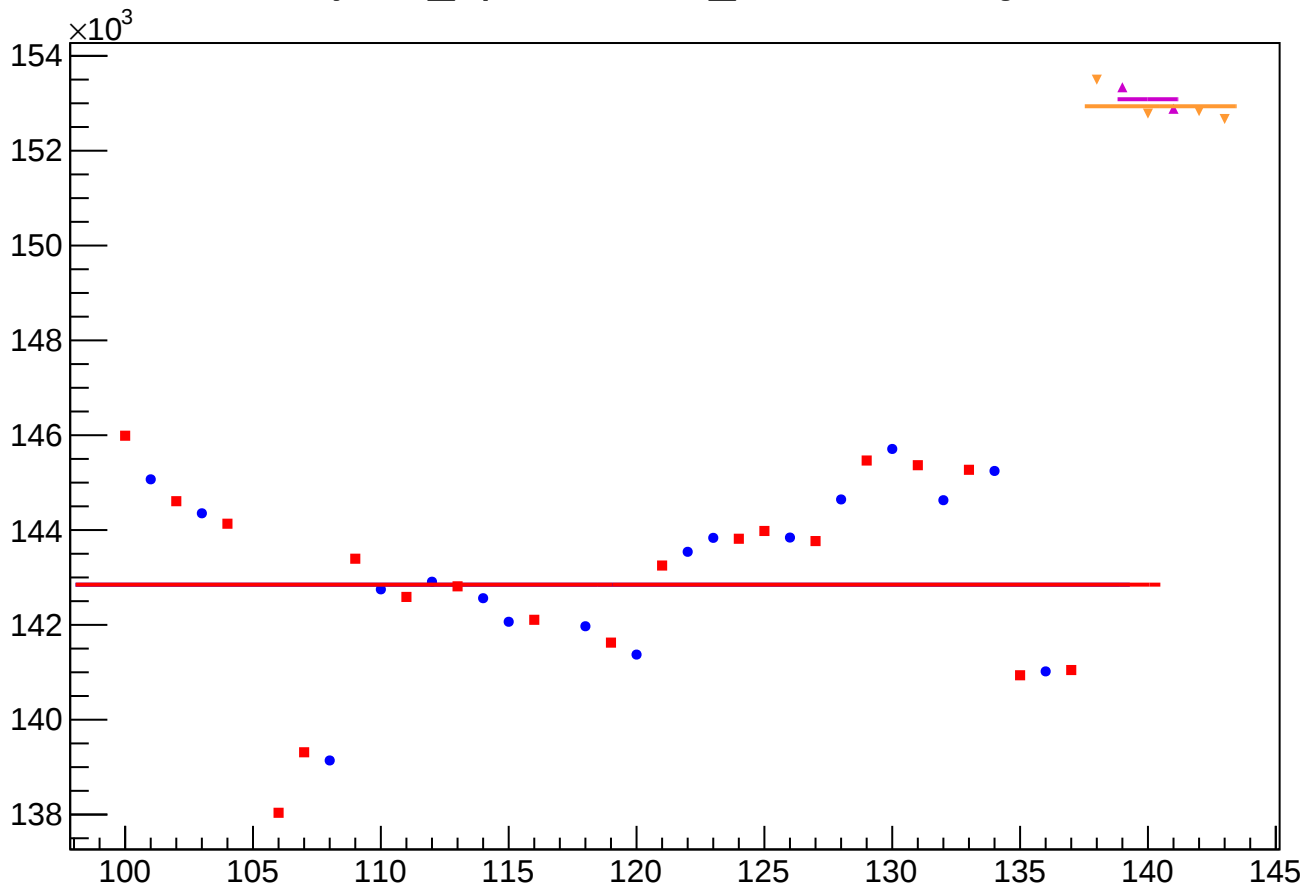
Left In: 175.912 $\pm$ 0.101 χ^2 /NDF:386.5/1

+ sign 155.312 $\pm$ 0.038 χ^2 /NDF: 1095321.6/20

All: 153.120 $\pm$ 0.027 χ^2 /NDF: 2375326.9/41

- sign 150.814 $\pm$ 0.039 χ^2 /NDF: 1273045.4/20

yield_bpm0i05WS_mean vs Slug



Right In: 142846.769 $\pm$ 0.065 χ^2 /NDF: 735751313.8/16

Left Out: 152937.472 $\pm$ 0.107 χ^2 /NDF: 9715868.0/3

Right Out: 142848.653 $\pm$ 0.060 χ^2 /NDF: 849741852.9/18

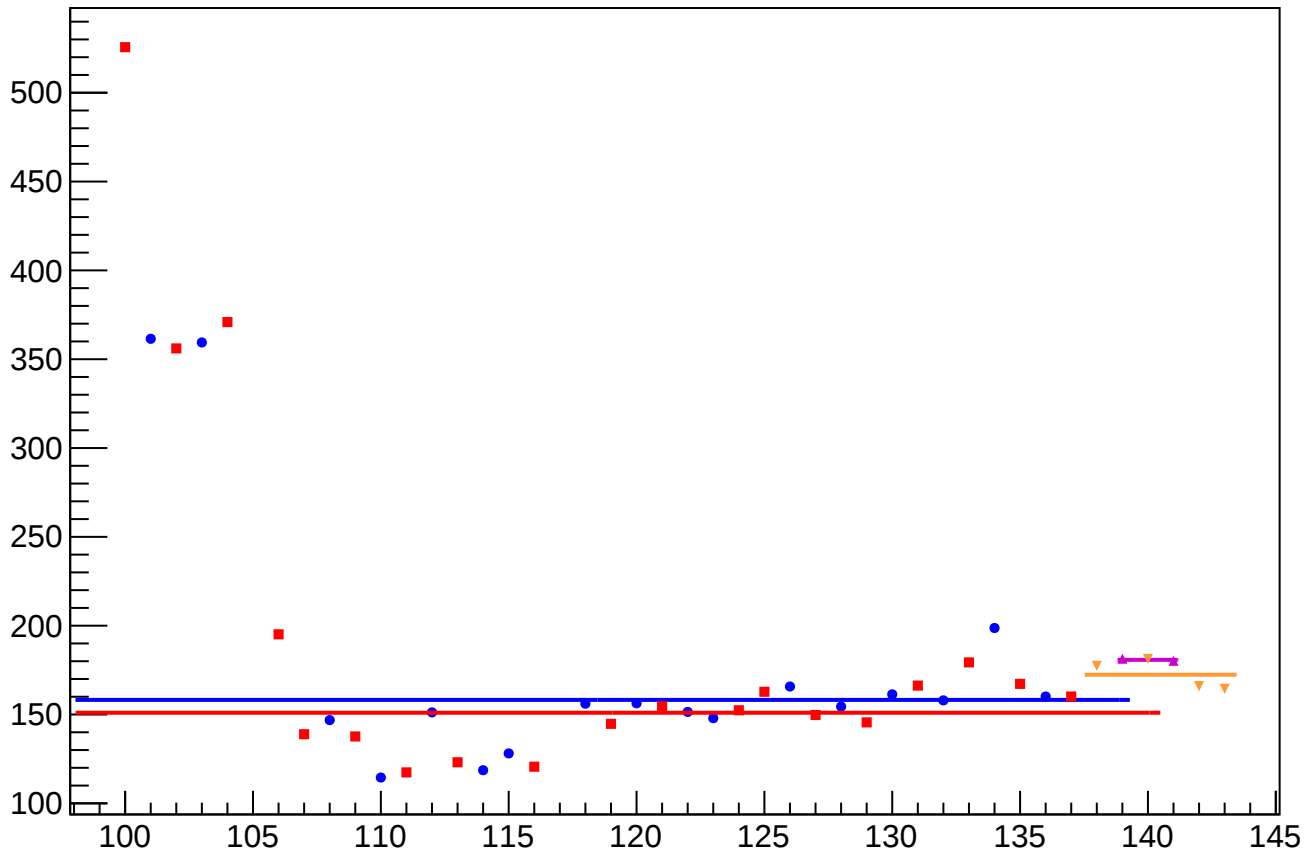
Left In: 153085.845 $\pm$ 0.147 χ^2 /NDF: 2346260.7/1

+ sign 145564.880 $\pm$ 0.055 χ^2 /NDF: 7280477135.8

All: 144949.929 $\pm$ 0.039 χ^2 /NDF: 125181992

- sign 144323.455 $\pm$ 0.056 χ^2 /NDF: 4988767835.8

yield_bpm0i05WS_rms vs Slug



Right In: 158.235 $\pm$ 0.046 χ^2 /NDF: 883619.5/16

Left Out: 172.407 $\pm$ 0.075 χ^2 /NDF: 9465.9/3

Right Out: 150.999 $\pm$ 0.043 χ^2 /NDF: 1000583.6/18

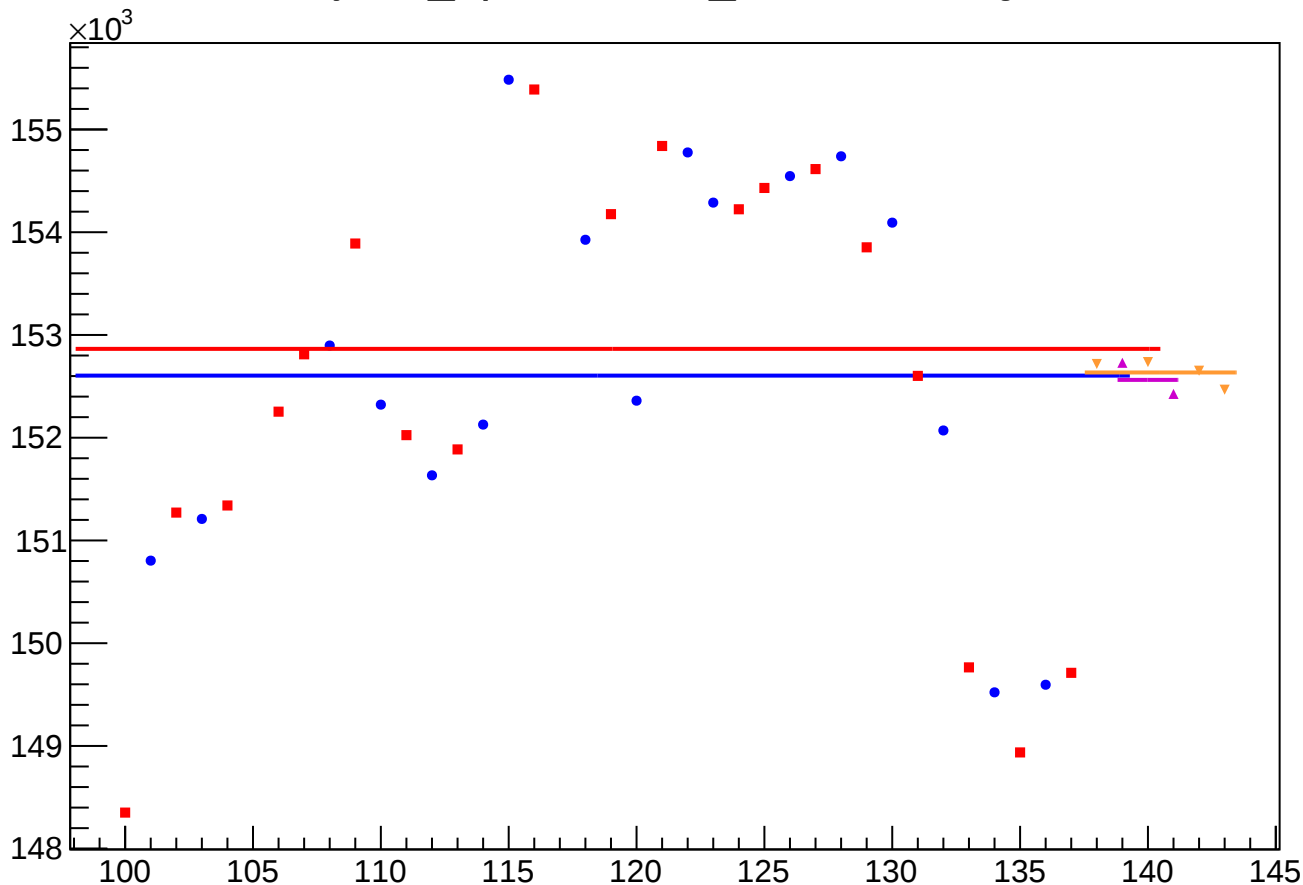
Left In: 180.773 $\pm$ 0.104 χ^2 /NDF: 30.9/1

+ sign 162.052 $\pm$ 0.039 χ^2 /NDF: 918868.1/20

All: 158.702 $\pm$ 0.028 χ^2 /NDF: 2004244.0/41

- sign 155.289 $\pm$ 0.040 χ^2 /NDF: 1070596.3/20

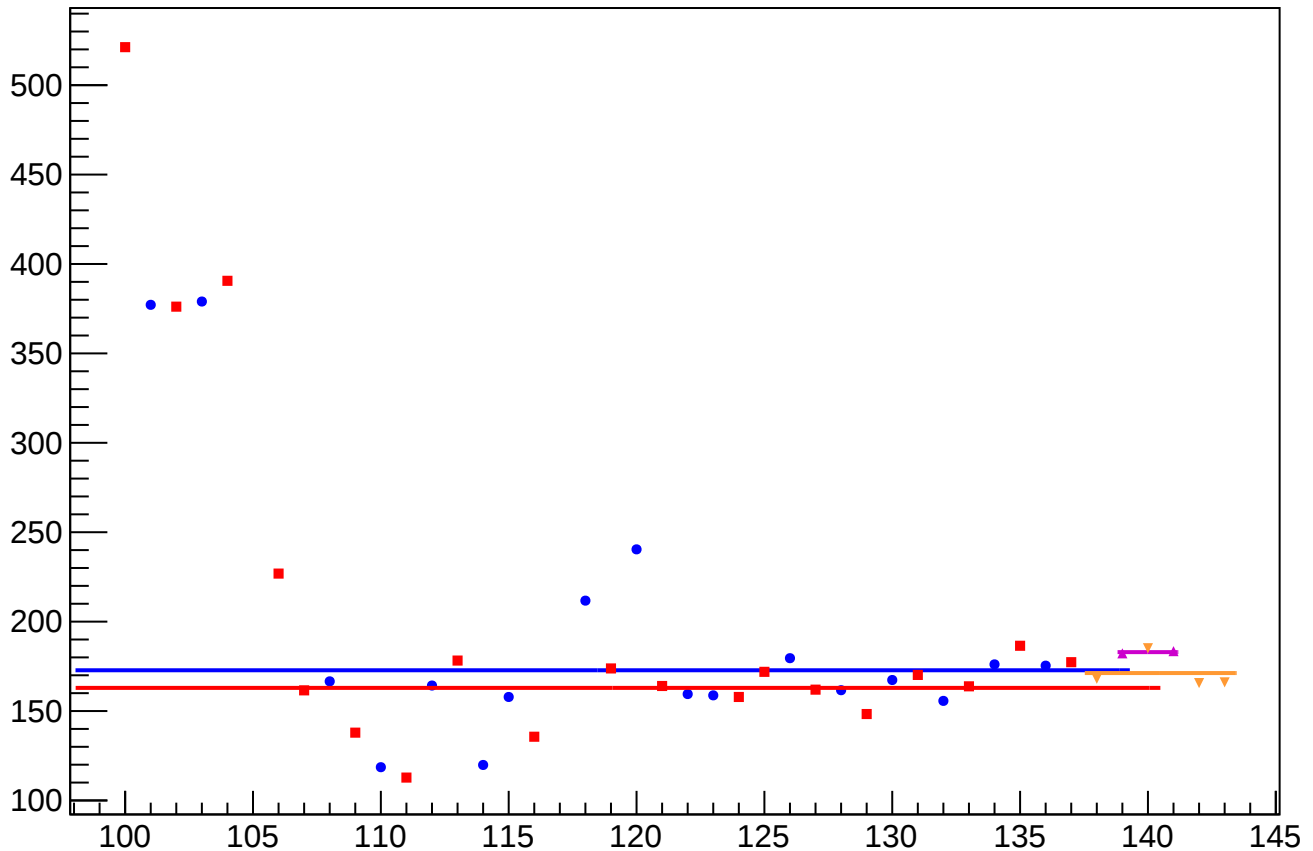
yield_bpm0i07WS_mean vs Slug



Right In: 152604.406 $\pm$ 0.072 χ^2 /NDF: 616818062.6/16
 Left Out: 152634.937 $\pm$ 0.106 χ^2 /NDF: 1170732.4/3
 Right Out: 152864.722 $\pm$ 0.066 χ^2 /NDF: 718455566.6/18
 Left In: 152562.695 $\pm$ 0.149 χ^2 /NDF: 1025465.4/1

+ sign 152614.153 $\pm$ 0.060 χ^2 /NDF: 618045770.8/2
 All: 152712.996 $\pm$ 0.042 χ^2 /NDF: 134654009
 - sign 152814.821 $\pm$ 0.061 χ^2 /NDF: 722915894.9/20

yield_bpm0i07WS_rms vs Slug



Right In: 172.803 $\pm$ 0.051 χ^2 /NDF: 945652.6/16

Left Out: 171.245 $\pm$ 0.075 χ^2 /NDF:11499.5/3

Right Out: 162.951 $\pm$ 0.047 χ^2 /NDF: 1032146.9/18

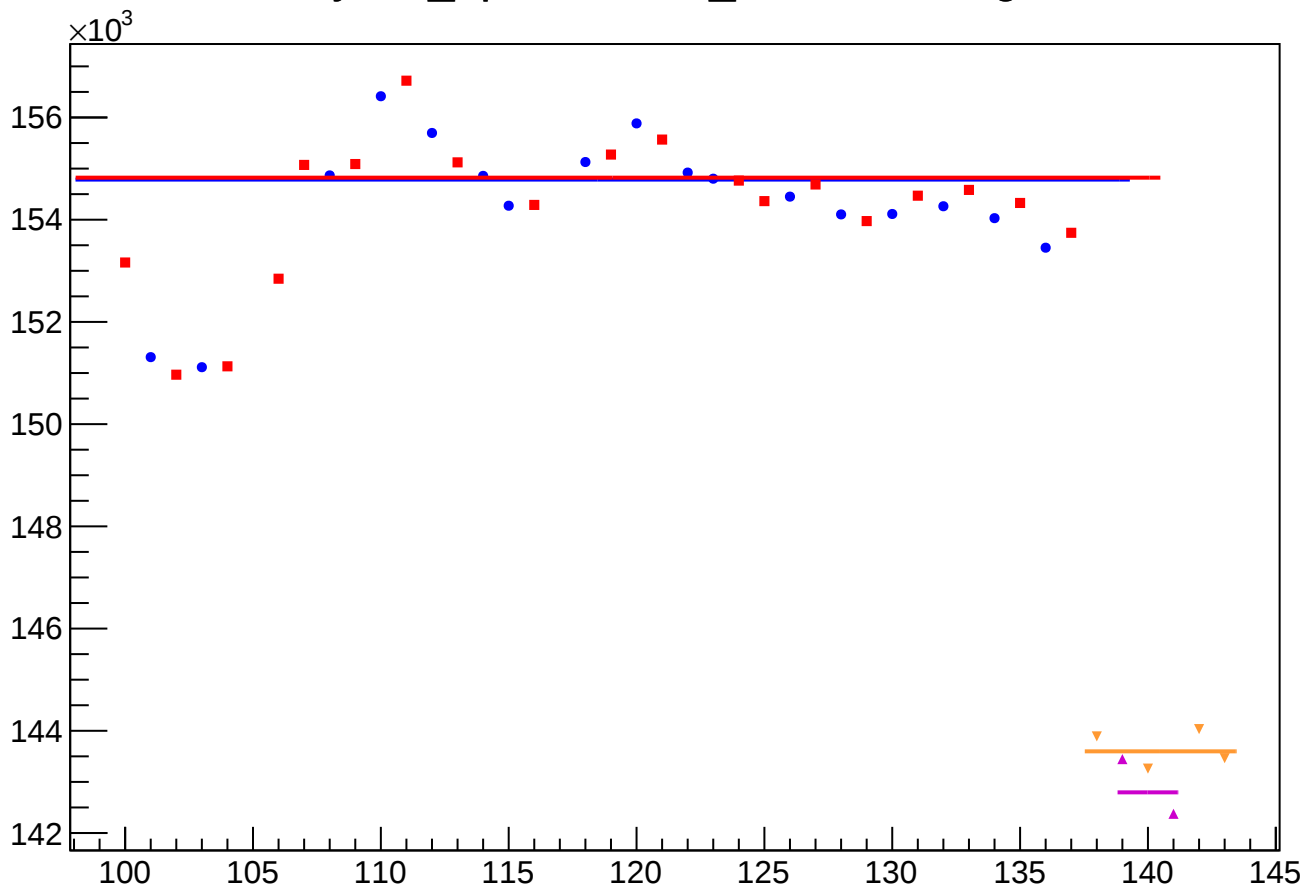
Left In: 182.945 $\pm$ 0.105 χ^2 /NDF:33.9/1

+ sign 172.306 $\pm$ 0.042 χ^2 /NDF: 957448.6/20

All: 169.325 $\pm$ 0.030 χ^2 /NDF: 2029879.0/41

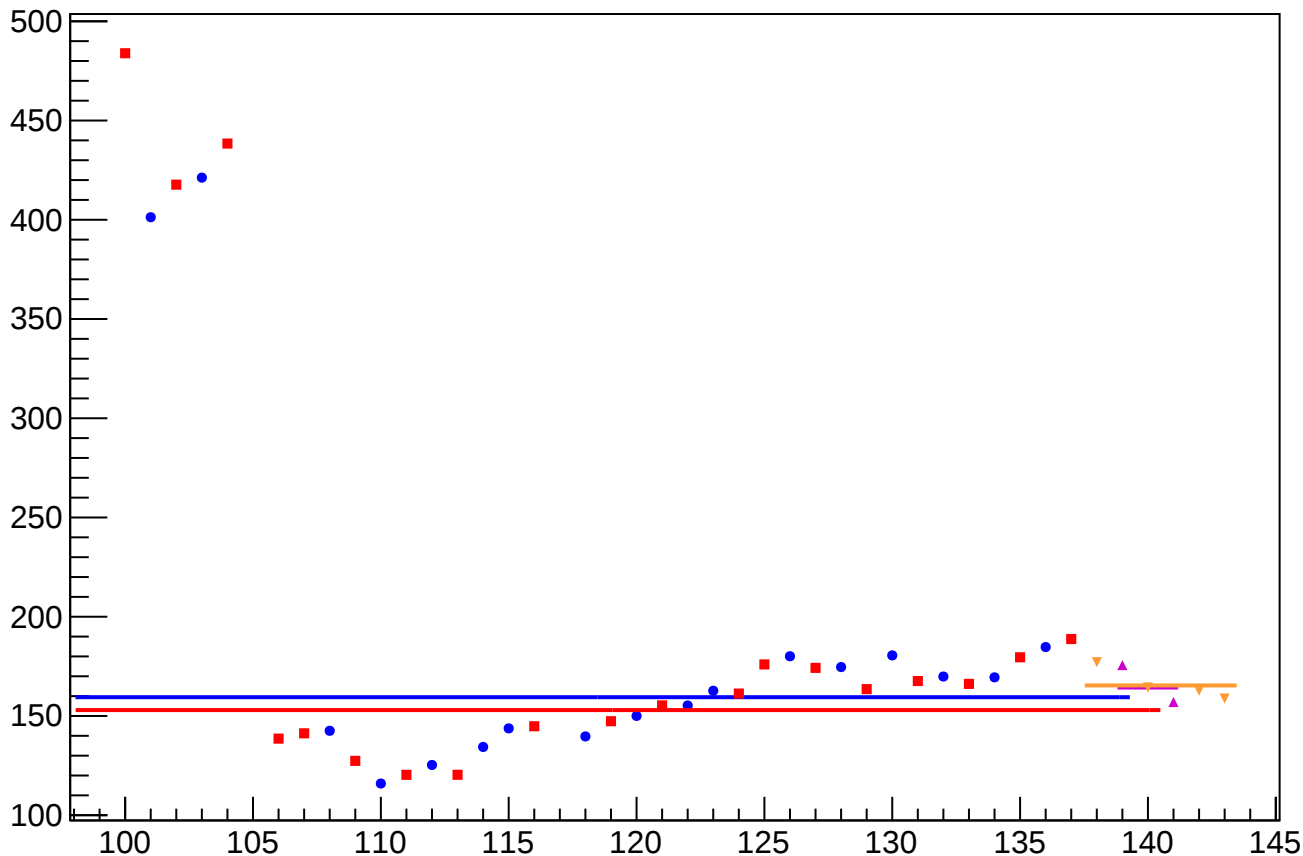
- sign 166.255 $\pm$ 0.043 χ^2 /NDF: 1062285.8/20

yield_bpm1i02WS_mean vs Slug



Right In: 154784.970 ± 0.065 $\chi^2/\text{NDF}: 265445259.7/16$
 Left Out: 143598.054 ± 0.101 $\chi^2/\text{NDF}: 8741947.0/3$
 Right Out: 154822.442 ± 0.061 $\chi^2/\text{NDF}: 293784821.8/18$
 Left In: 142795.598 ± 0.134 $\chi^2/\text{NDF}: 15245703.5/1$

yield_bpm1i02WS_rms vs Slug



Right In: 159.460 $\pm$ 0.046 χ^2 /NDF: 1131650.0/16

Left Out: 165.385 $\pm$ 0.072 χ^2 /NDF: 9156.4/3

Right Out: 152.961 $\pm$ 0.043 χ^2 /NDF: 1169783.0/18

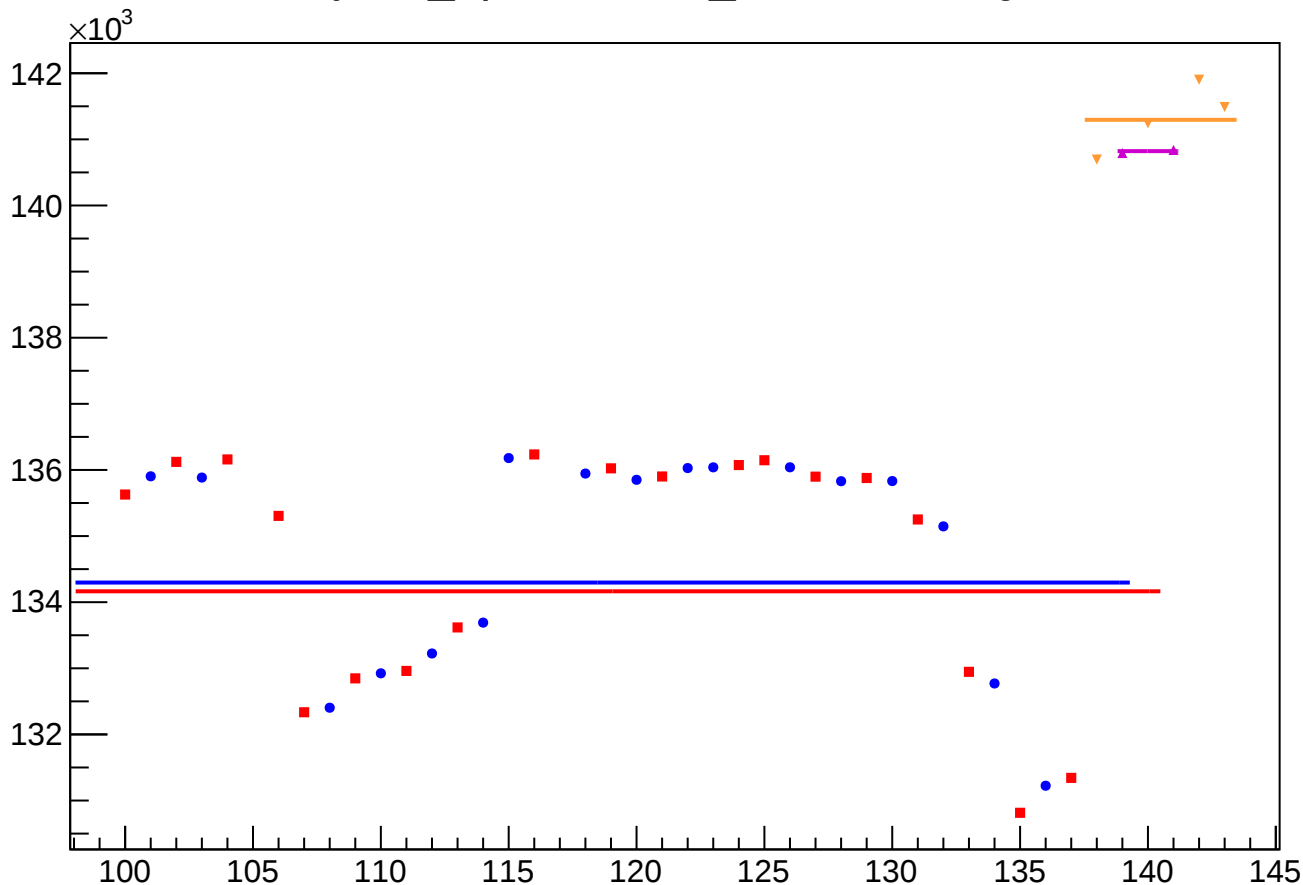
Left In: 164.328 $\pm$ 0.095 χ^2 /NDF: 9200.9/1

+ sign 161.202 $\pm$ 0.039 χ^2 /NDF: 1145623.3/20

All: 158.081 $\pm$ 0.028 χ^2 /NDF: 2349541.4/41

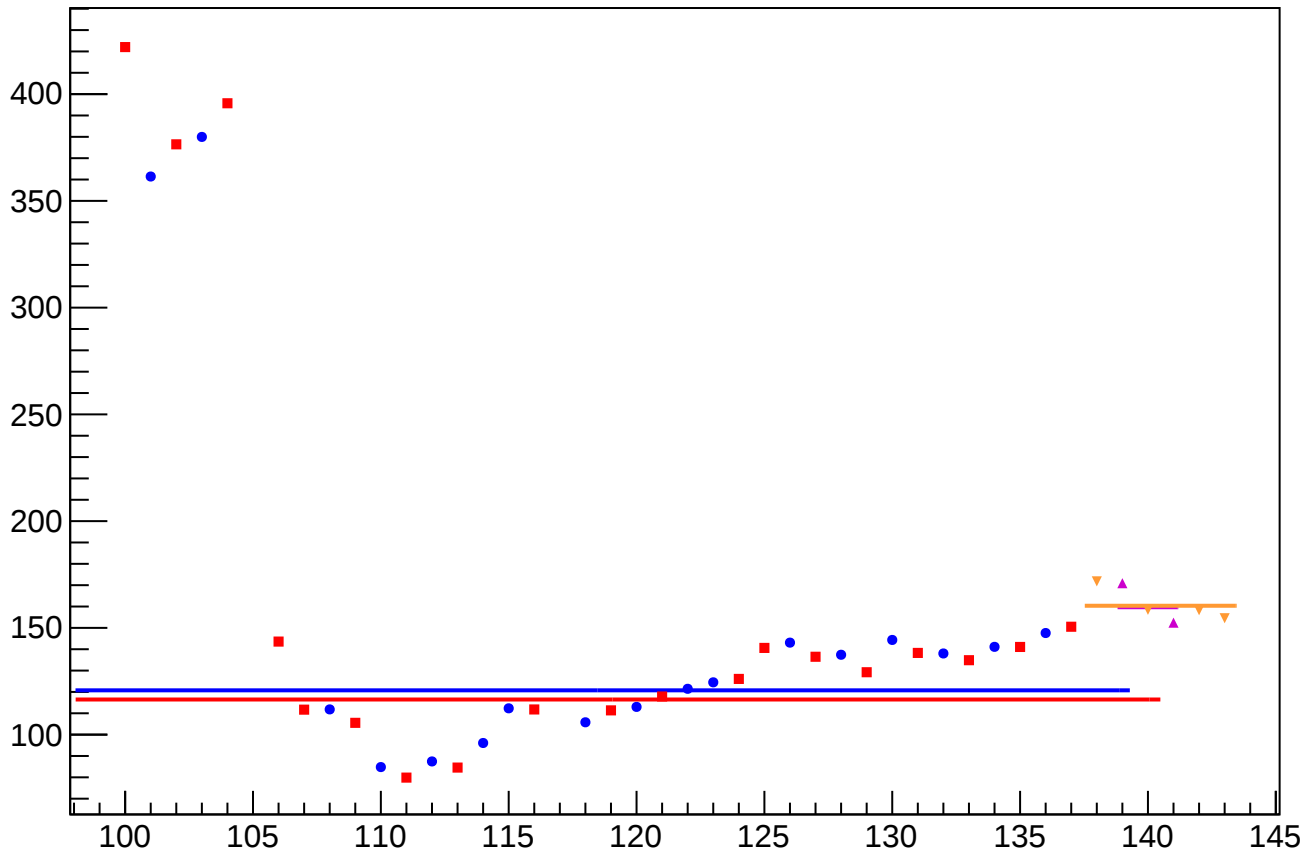
- sign 154.913 $\pm$ 0.039 χ^2 /NDF: 1190946.6/20

yield_bpm1i04WS_mean vs Slug



Right In: 134297.022 ± 0.050 $\chi^2/\text{NDF}: 1147567257.7/16$
 Left Out: 141295.808 ± 0.098 $\chi^2/\text{NDF}: 16238551.2/3$ + sign 135750.492 ± 0.045 $\chi^2/\text{NDF}: 5168877414.8$
 Right Out: 134164.594 ± 0.047 $\chi^2/\text{NDF}: 1210514088.0/18$ All: 135345.047 ± 0.032 $\chi^2/\text{NDF}: 885499629$
 Left In: 140821.840 ± 0.130 $\chi^2/\text{NDF}: 30114.1/1$ - sign 134945.435 ± 0.045 $\chi^2/\text{NDF}: 3523924345.4/1$

yield_bpm1i04WS_rms vs Slug



Right In: 120.752 $\pm$ 0.036 χ^2 /NDF: 1465247.5/16

Left Out: 160.365 $\pm$ 0.070 χ^2 /NDF:8882.0/3

Right Out: 116.453 $\pm$ 0.034 χ^2 /NDF: 1535612.1/18

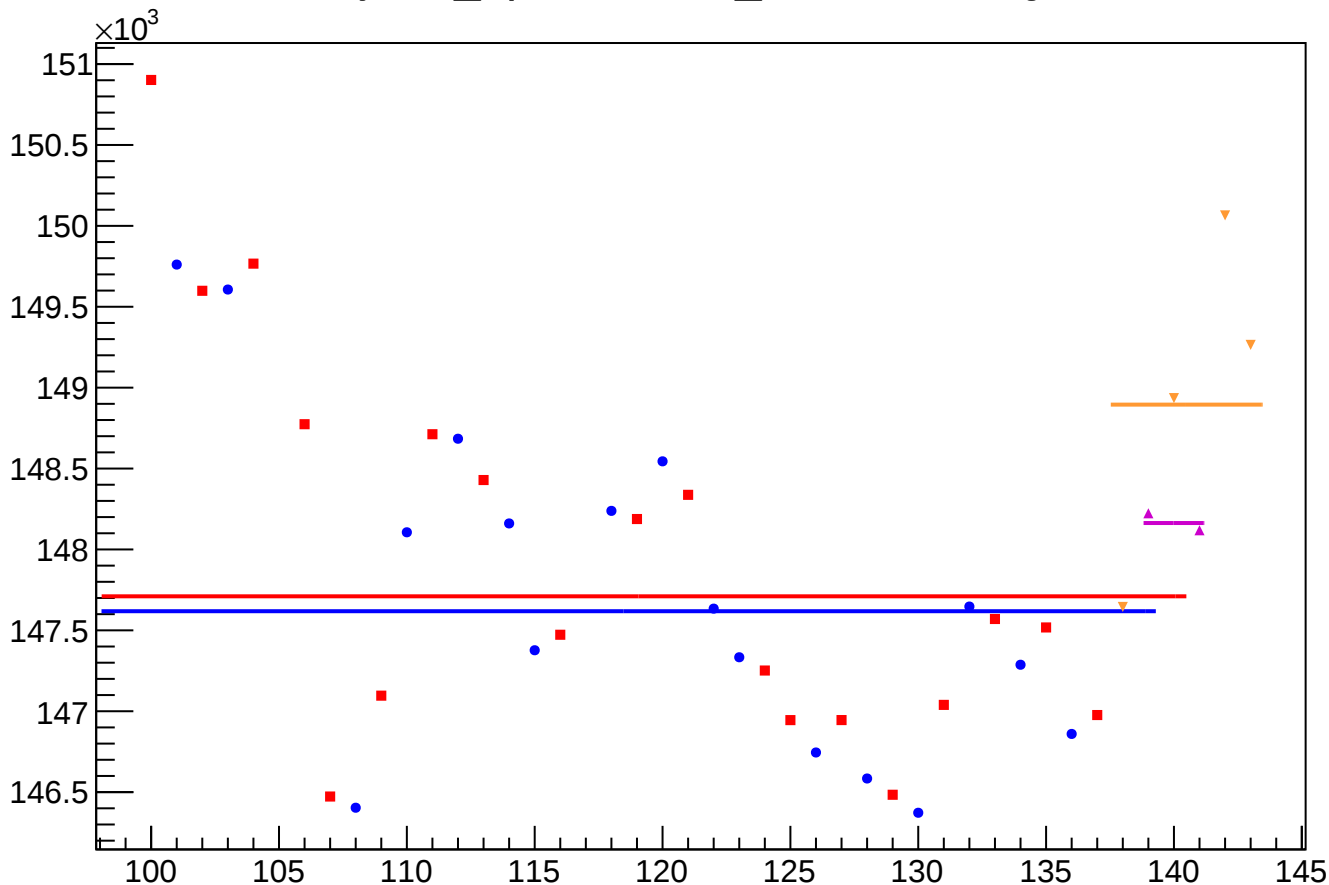
Left In: 159.670 $\pm$ 0.092 χ^2 /NDF:9624.6/1

+ sign 128.979 $\pm$ 0.032 χ^2 /NDF: 1730732.4/20

All: 125.223 $\pm$ 0.022 χ^2 /NDF: 3498786.6/41

- sign 121.522 $\pm$ 0.031 χ^2 /NDF: 1740222.0/20

yield_bpm1i06WS_mean vs Slug



Right In: 147618.243 $\pm$ 0.063 χ^2 /NDF: 198581777.1/16

Left Out: 148895.125 $\pm$ 0.118 χ^2 /NDF: 47225101.5/3

Right Out: 147710.334 $\pm$ 0.058 χ^2 /NDF: 203714451.2/18

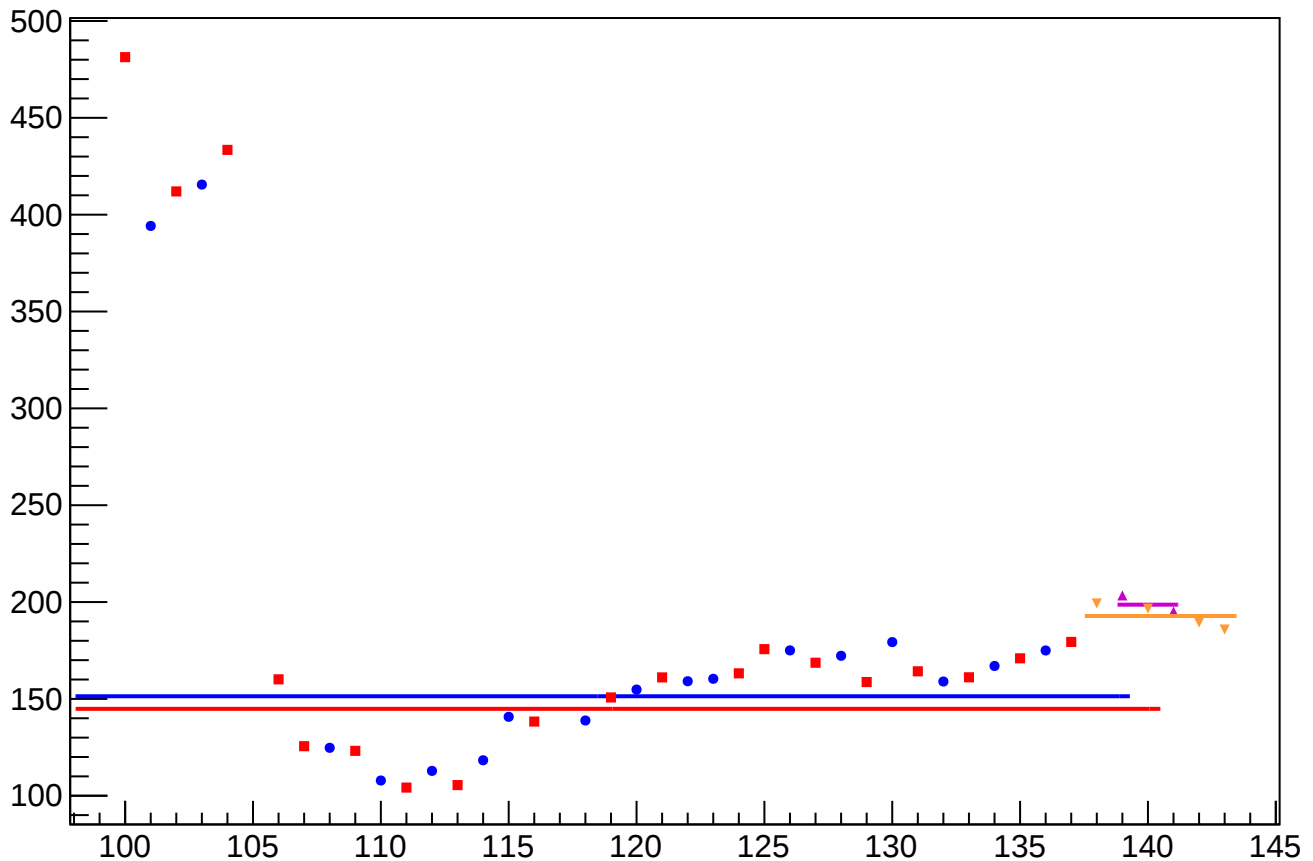
Left In: 148163.322 $\pm$ 0.162 χ^2 /NDF: 103172.1/1

+ sign 147897.584 $\pm$ 0.055 χ^2 /NDF: 336870437.8/2

All: 147829.557 $\pm$ 0.039 χ^2 /NDF: 550646745

- sign 147762.620 $\pm$ 0.055 χ^2 /NDF: 210775900.0/2

yield_bpm1i06WS_rms vs Slug



Right In: 151.363+/-0.044 χ^2/NDF : 1259788.8/16

Left Out: 192.795+/-0.084 χ^2/NDF : 4499.3/3

Right Out: 144.870+/-0.041 χ^2/NDF : 1371292.3/18

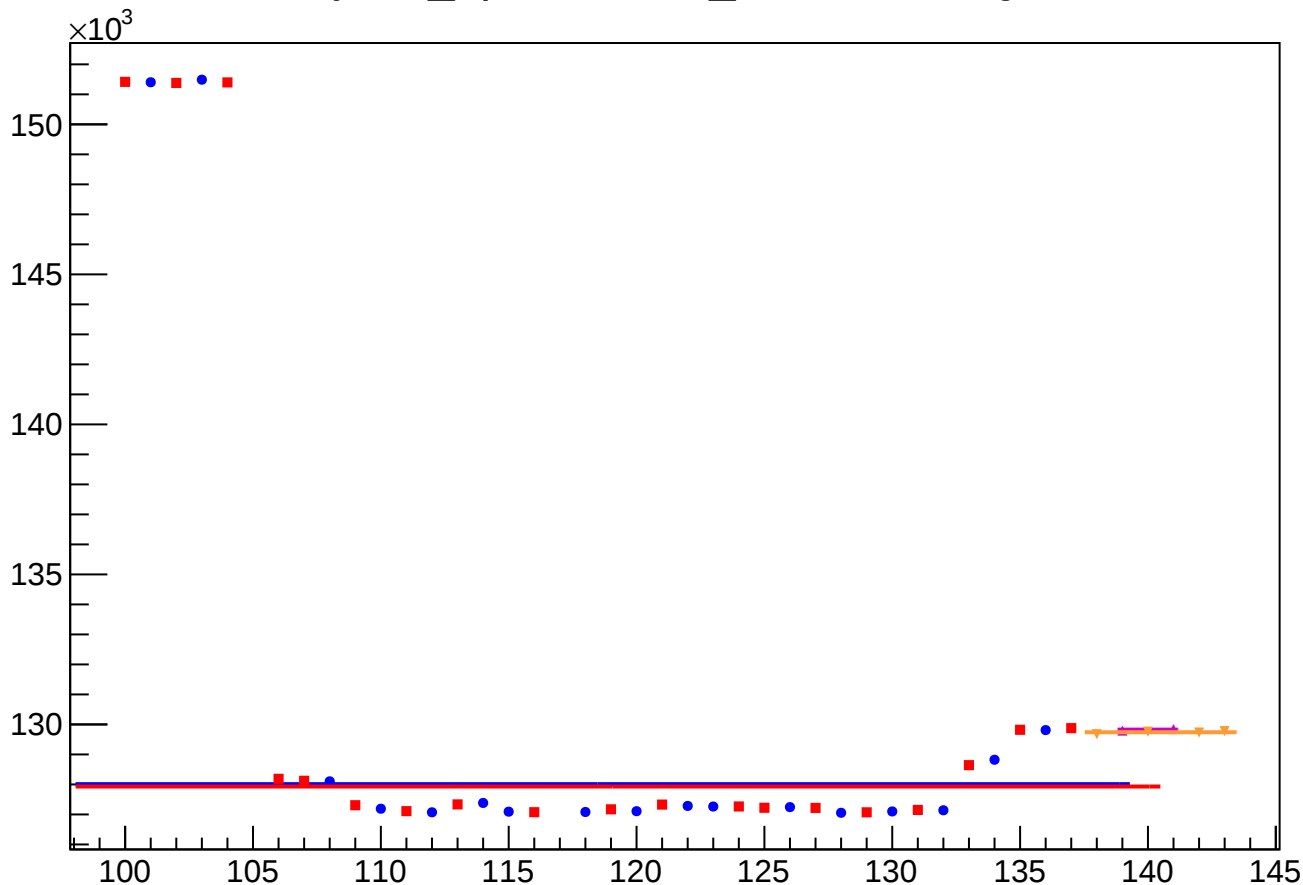
Left In: 198.650+/-0.114 χ^2/NDF : 1300.4/1

+ sign 160.427+/-0.039 χ^2/NDF : 1456048.7/20

All: 155.714+/-0.028 χ^2/NDF : 3053594.3/41

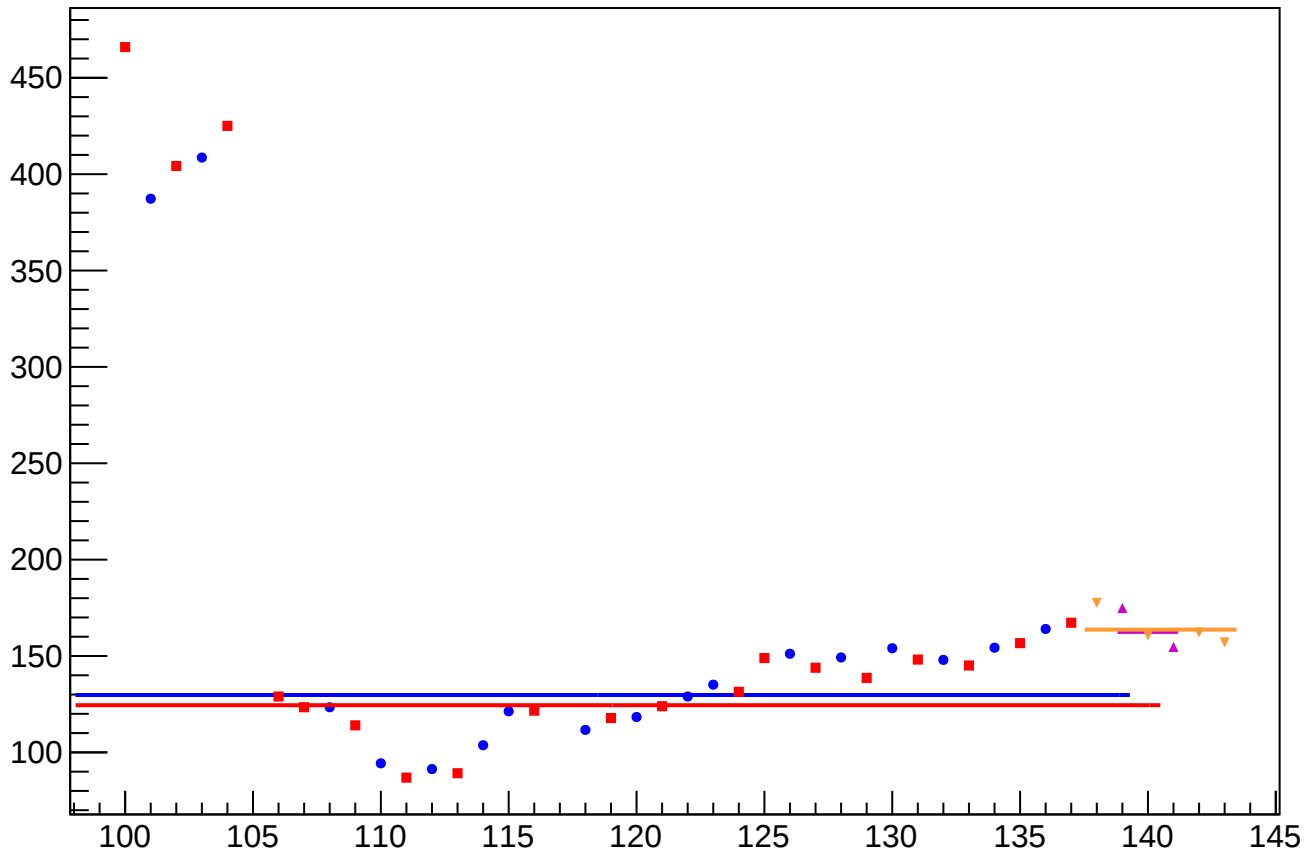
- sign 151.077+/-0.039 χ^2/NDF : 1568748.4/20

yield_bpm2i01WS_mean vs Slug



Right In: 128009.906 $\pm$ 0.054 χ^2 /NDF: 4319099803.8/16
 Left Out: 129740.187 $\pm$ 0.100 χ^2 /NDF: 149824.9/3
 Right Out: 127930.465 $\pm$ 0.050 χ^2 /NDF: 3768075163.1/18
 Left In: 129826.848 $\pm$ 0.132 χ^2 /NDF: 35846.0/1
 + sign 128400.032 $\pm$ 0.048 χ^2 /NDF: 4548915004.3
 All: 128283.841 $\pm$ 0.034 χ^2 /NDF: 85081032
 - sign 128170.649 $\pm$ 0.047 χ^2 /NDF: 3947480567.4

yield_bpm2i01WS_rms vs Slug



Right In: 129.769 $\pm$ 0.038 χ^2 /NDF: 1483741.9/16

Left Out: 163.685 $\pm$ 0.071 χ^2 /NDF:12086.4/3

Right Out: 124.477 $\pm$ 0.036 χ^2 /NDF: 1526276.6/18

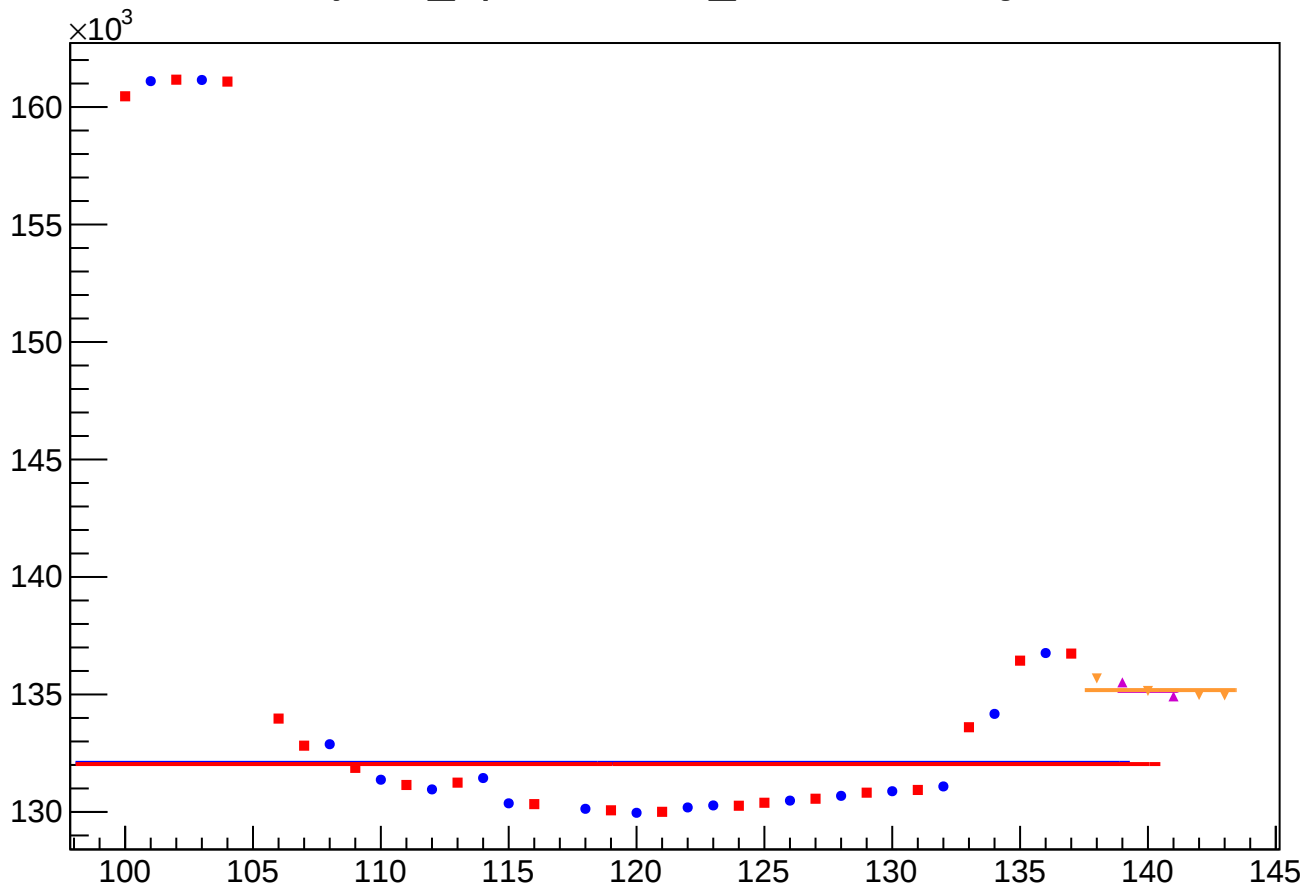
Left In: 162.531 $\pm$ 0.094 χ^2 /NDF:11024.8/1

+ sign 137.416 $\pm$ 0.034 χ^2 /NDF: 1672308.2/20

All: 133.303 $\pm$ 0.024 χ^2 /NDF: 3383392.0/41

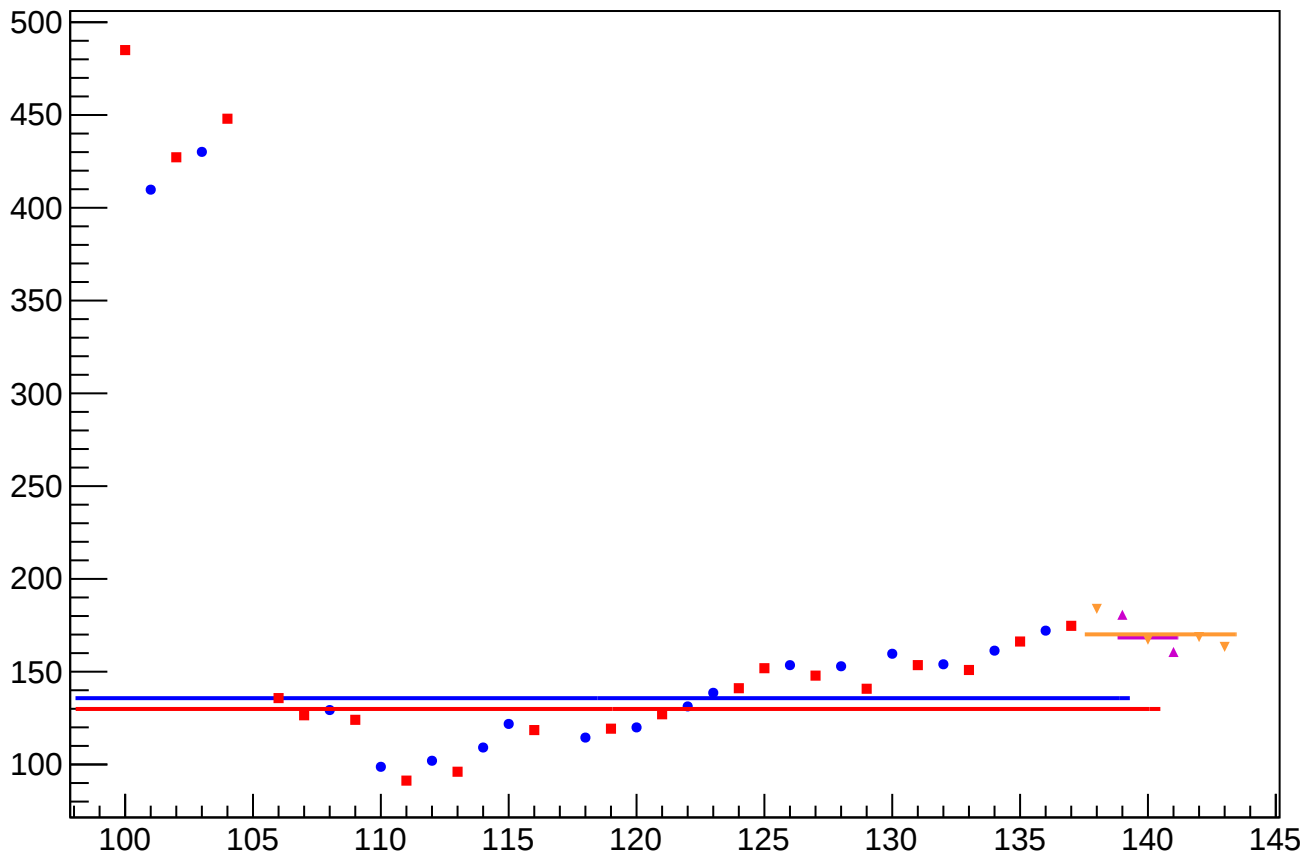
- sign 129.297 $\pm$ 0.033 χ^2 /NDF: 1681749.3/20

yield_bpm2i02WS_mean vs Slug



Right In: 132090.159 $\pm$ 0.057 χ^2 /NDF: 6731961368.4/16
 Left Out: 135185.769 $\pm$ 0.104 χ^2 /NDF: 7409923.2/3
 Right Out: 132038.077 $\pm$ 0.053 χ^2 /NDF: 5881799125.4/18
 Left In: 135151.413 $\pm$ 0.137 χ^2 /NDF: 4494462.7/1
 + sign 132793.658 $\pm$ 0.050 χ^2 /NDF: 7418918063.1
 All: 132612.596 $\pm$ 0.035 χ^2 /NDF: 13780836
 - sign 132436.617 $\pm$ 0.049 χ^2 /NDF: 6335813994.1

yield_bpm2i02WS_rms vs Slug



Right In: 135.730 $\pm$ 0.040 χ^2 /NDF: 1442560.7/16

Left Out: 170.114 $\pm$ 0.074 χ^2 /NDF:11131.7/3

Right Out: 129.912 $\pm$ 0.037 χ^2 /NDF: 1498757.6/18

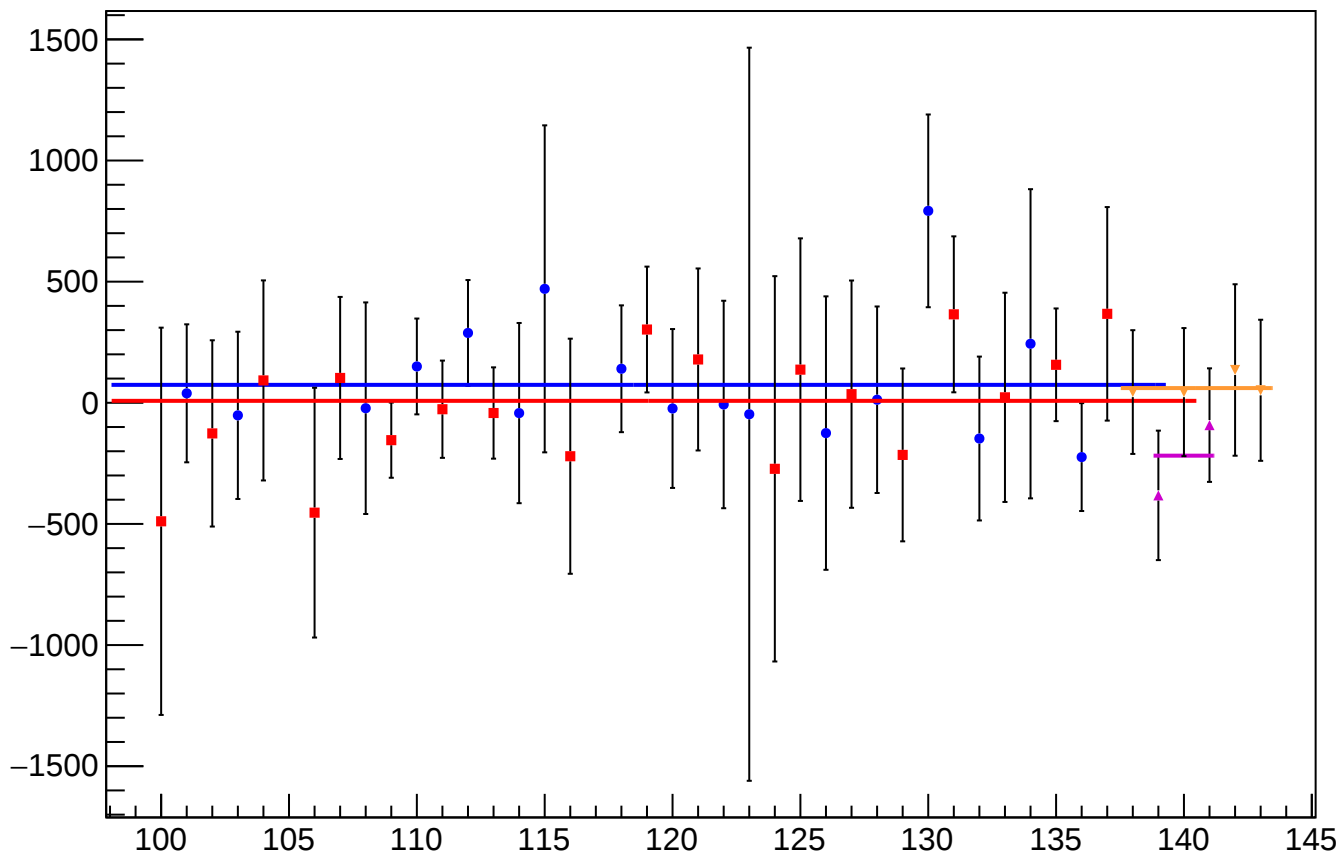
Left In: 168.434 $\pm$ 0.097 χ^2 /NDF:10174.9/1

+ sign 143.544 $\pm$ 0.035 χ^2 /NDF: 1621360.9/20

All: 139.132 $\pm$ 0.025 χ^2 /NDF: 3298940.5/41

- sign 134.843 $\pm$ 0.035 χ^2 /NDF: 1646574.6/20

asym_bcm_an_ds_mean vs Slug



Right In: 74.036 ± 79.233 $\chi^2/\text{NDF}: 7.6/16$

Left Out: 60.714 ± 142.246 $\chi^2/\text{NDF}: 0.1/3$

Right Out: 8.046 ± 70.080 $\chi^2/\text{NDF}: 7.2/18$

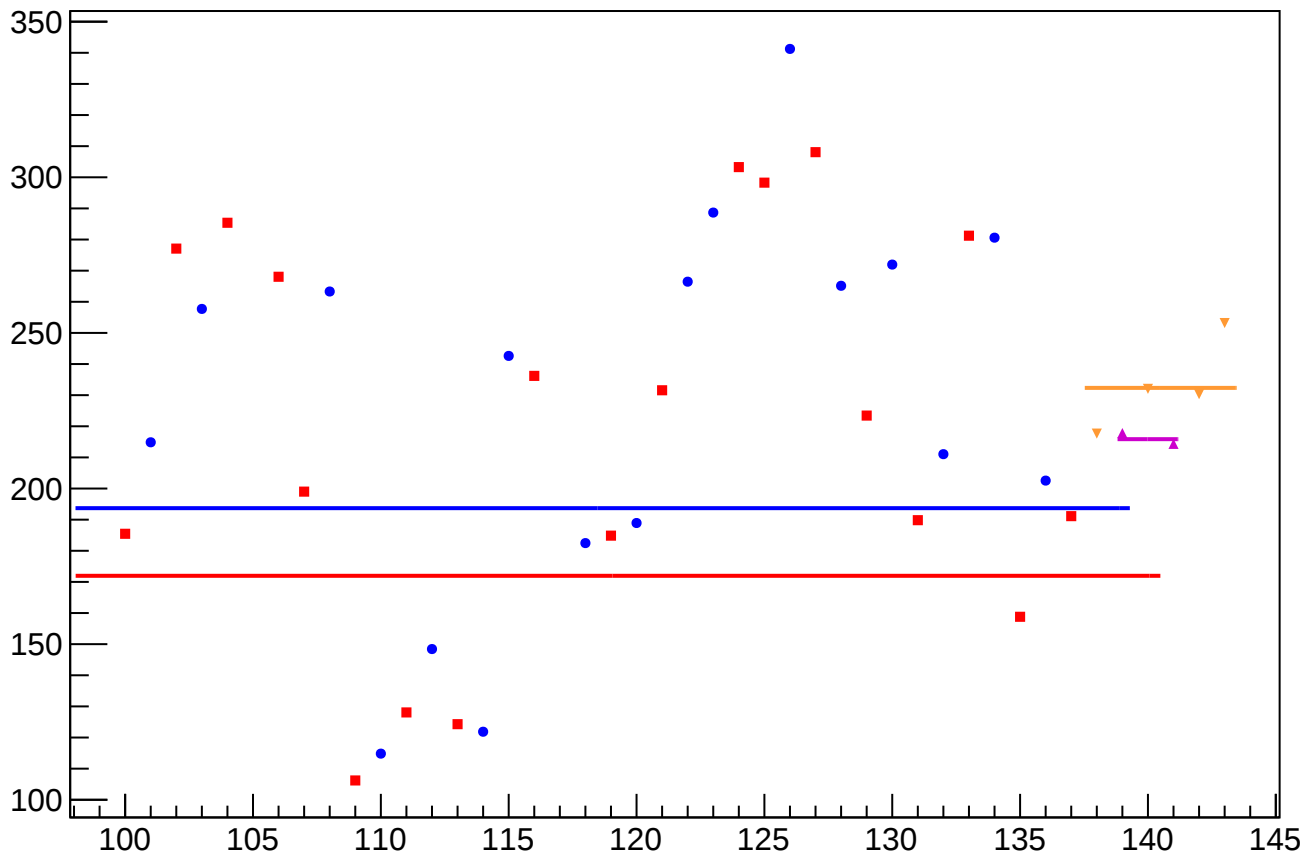
Left In: -218.233 ± 176.194 $\chi^2/\text{NDF}: 0.7/1$

+ sign 70.882 ± 69.219 $\chi^2/\text{NDF}: 7.7/20$

All: 21.151 ± 47.429 $\chi^2/\text{NDF}: 18.0/41$

- sign -22.861 ± 65.118 $\chi^2/\text{NDF}: 9.3/20$

asym_bcm_an_ds_rms vs Slug



Right In: 193.695 $\pm$ 0.056 χ^2 /NDF: 1018039.6/16

Left Out: 232.339 $\pm$ 0.101 χ^2 /NDF:16925.5/3

Right Out: 171.963 $\pm$ 0.050 χ^2 /NDF: 1574387.3/18

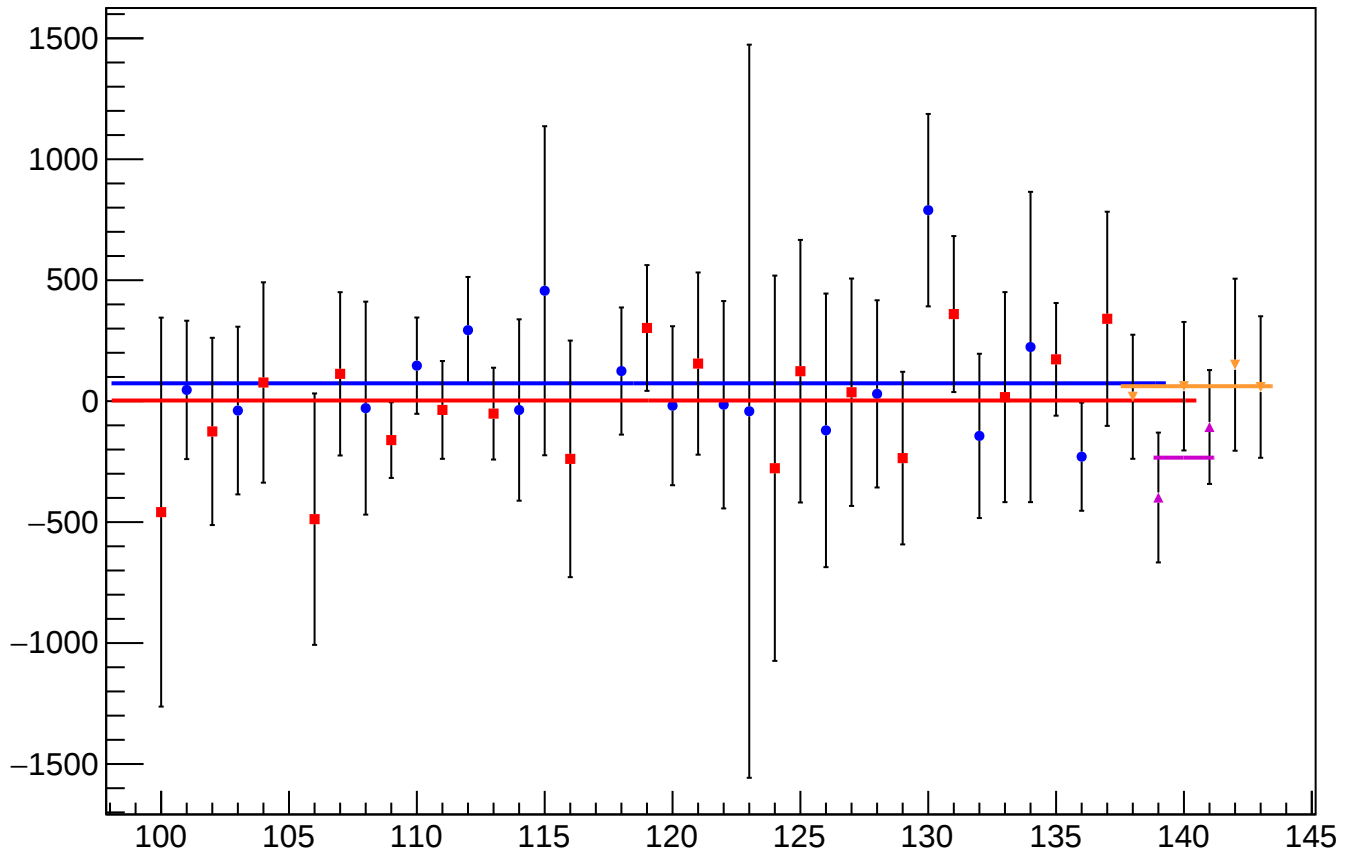
Left In: 215.862 $\pm$ 0.125 χ^2 /NDF:191.0/1

+ sign 202.846 $\pm$ 0.049 χ^2 /NDF: 1147618.6/20

All: 189.643 $\pm$ 0.034 χ^2 /NDF: 2966541.9/41

- sign 177.959 $\pm$ 0.046 χ^2 /NDF: 1681774.1/20

asym_bcm_an_ds3_mean vs Slug



Right In: 73.822+/-79.620 χ^2/NDF : 7.5/16

Left Out: 61.818+/-142.892 χ^2/NDF : 0.1/3

Right Out: 2.721+/-70.450 χ^2/NDF : 7.4/18

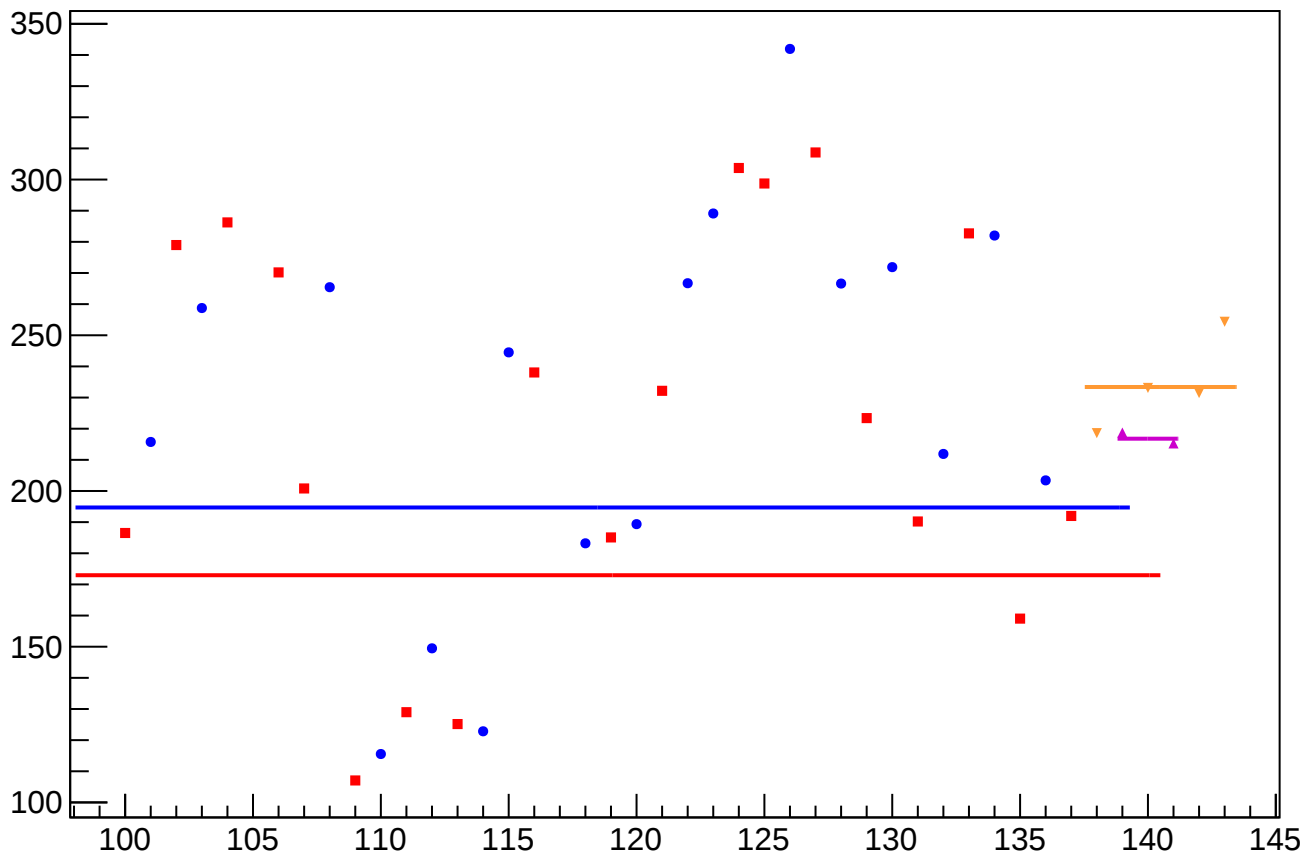
Left In: -233.549+/-176.955 χ^2/NDF : 0.7/1

+ sign 70.978+/-69.552 χ^2/NDF : 7.6/20

All: 17.636+/-47.666 χ^2/NDF : 18.3/41

- sign -29.605+/-65.453 χ^2/NDF : 9.6/20

asym_bcm_an_ds3_rms vs Slug



Right In: 194.704 $\pm$ 0.056 χ^2 /NDF: 1009606.0/16

Left Out: 233.390 $\pm$ 0.101 χ^2 /NDF:16996.2/3

Right Out: 172.953 $\pm$ 0.050 χ^2 /NDF: 1562179.1/18

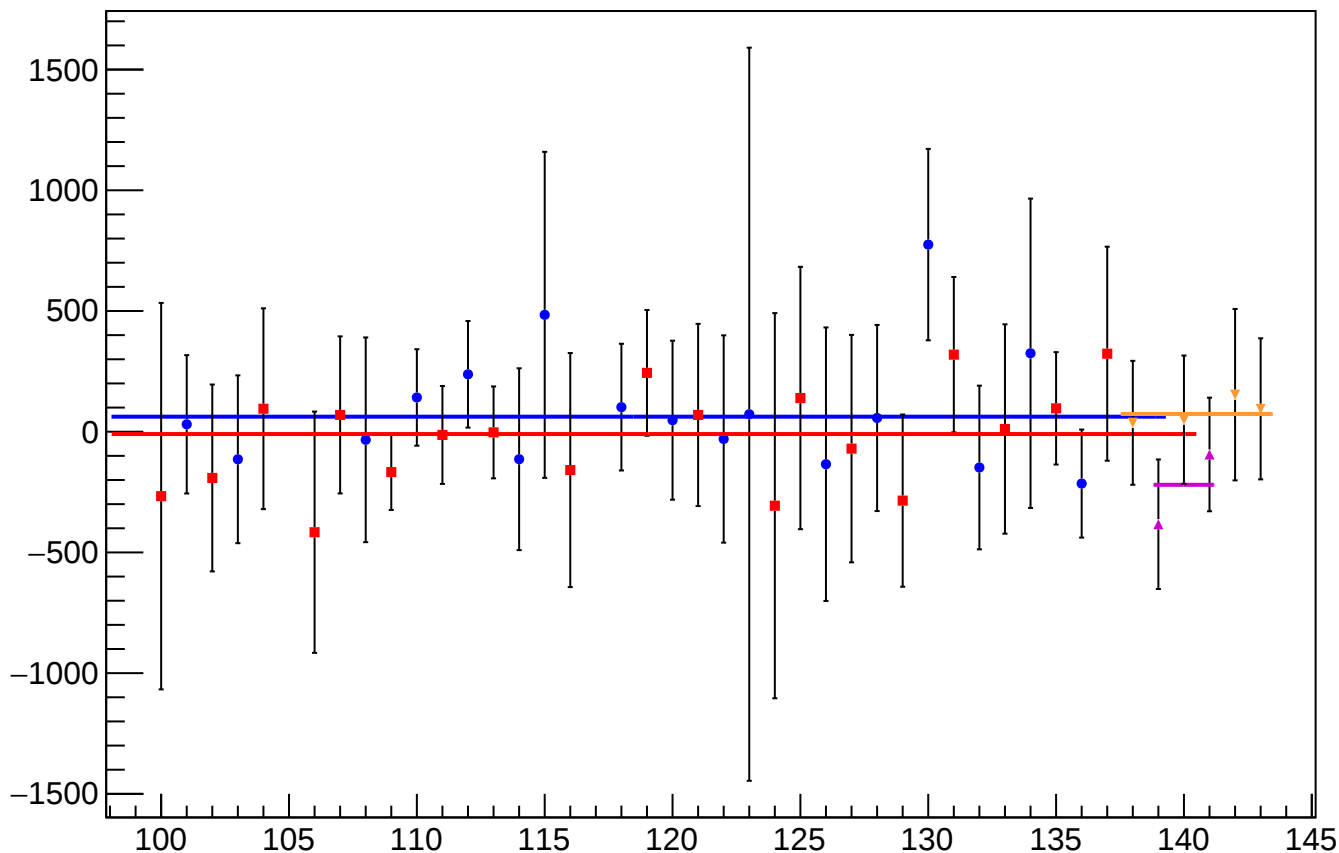
Left In: 216.792 $\pm$ 0.125 χ^2 /NDF:191.9/1

+ sign 203.870 $\pm$ 0.049 χ^2 /NDF: 1138465.1/20

All: 190.655 $\pm$ 0.034 χ^2 /NDF: 2942938.7/41

- sign 178.951 $\pm$ 0.046 χ^2 /NDF: 1668327.2/20

asym_bcm_an_us_mean vs Slug



Right In: 62.284 $\pm$ 79.616 χ^2 /NDF: 7.2/16

Left Out: 73.320 $\pm$ 142.868 χ^2 /NDF:0.1/3

Right Out: -9.662 $\pm$ 70.372 χ^2 /NDF: 5.9/18

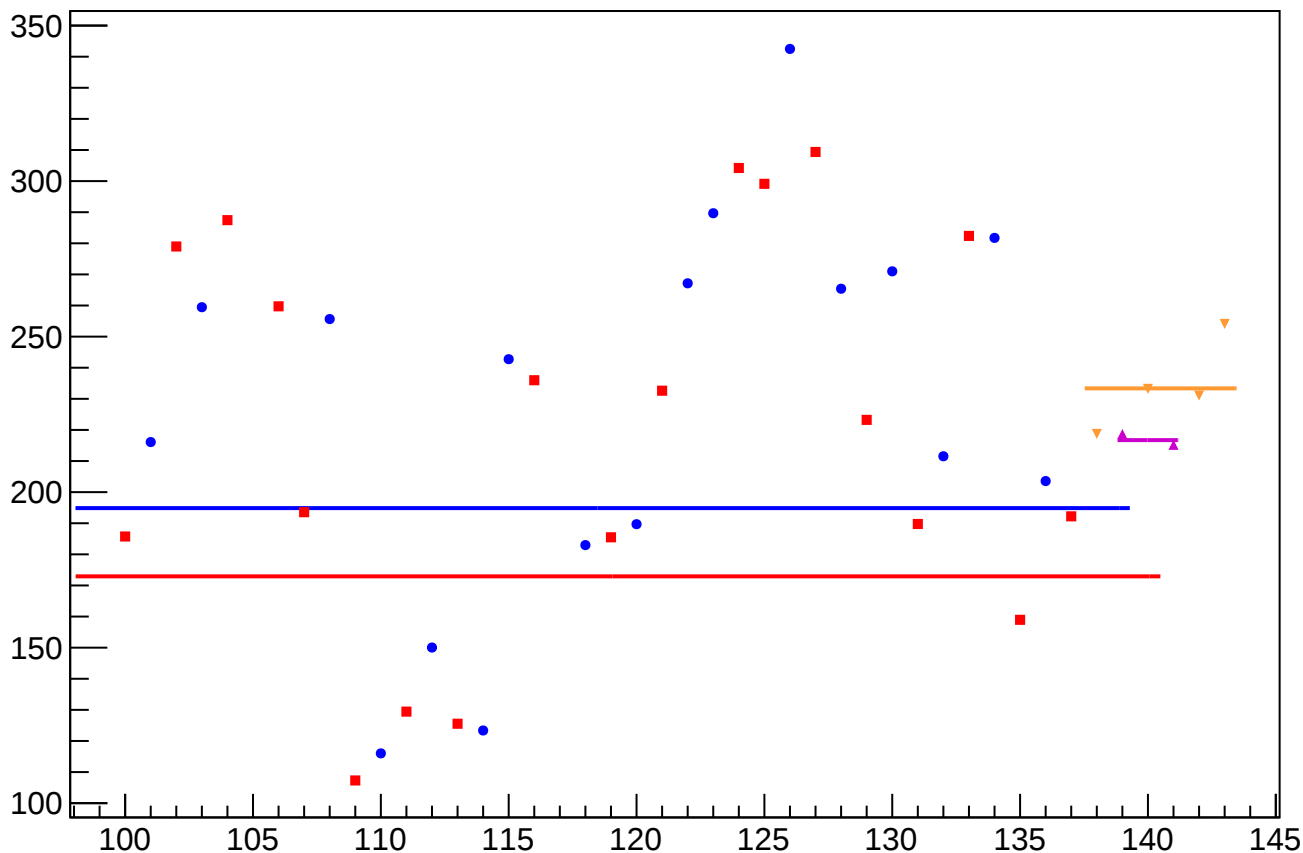
Left In: -219.891 $\pm$ 176.898 χ^2 /NDF:0.7/1

+ sign 64.899 $\pm$ 69.546 χ^2 /NDF: 7.3/20

All: 10.077 $\pm$ 47.638 χ^2 /NDF: 16.2/41

- sign -38.386 $\pm$ 65.388 χ^2 /NDF: 7.7/20

asym_bcm_an_us_rms vs Slug



Right In: 194.868 $\pm$ 0.056 χ^2 /NDF: 987545.2/16

Left Out: 233.359 $\pm$ 0.101 χ^2 /NDF:16640.1/3

Right Out: 172.928 $\pm$ 0.050 χ^2 /NDF: 1539123.2/18

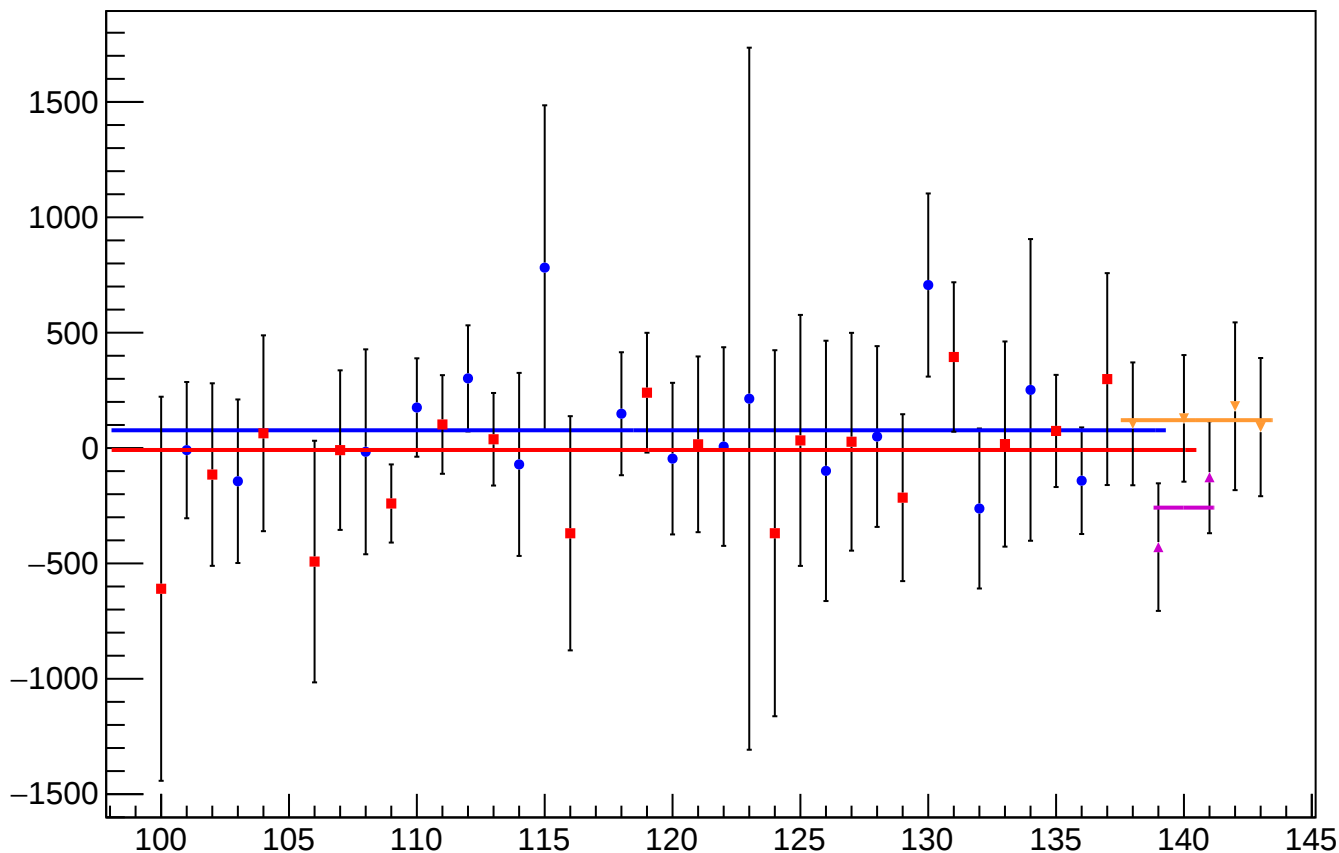
Left In: 216.727 $\pm$ 0.125 χ^2 /NDF:189.0/1

+ sign 203.989 $\pm$ 0.049 χ^2 /NDF: 1114956.4/20

All: 190.678 $\pm$ 0.034 χ^2 /NDF: 2898151.4/41

- sign 178.912 $\pm$ 0.046 χ^2 /NDF: 1645166.2/20

asym_bcm_dg_us_mean vs Slug



Right In: 77.030+/-82.098 χ^2/NDF : 7.6/16

Left Out: 120.834+/-147.271 χ^2/NDF : 0.0/3

Right Out: -8.365+/-73.326 χ^2/NDF : 7.8/18

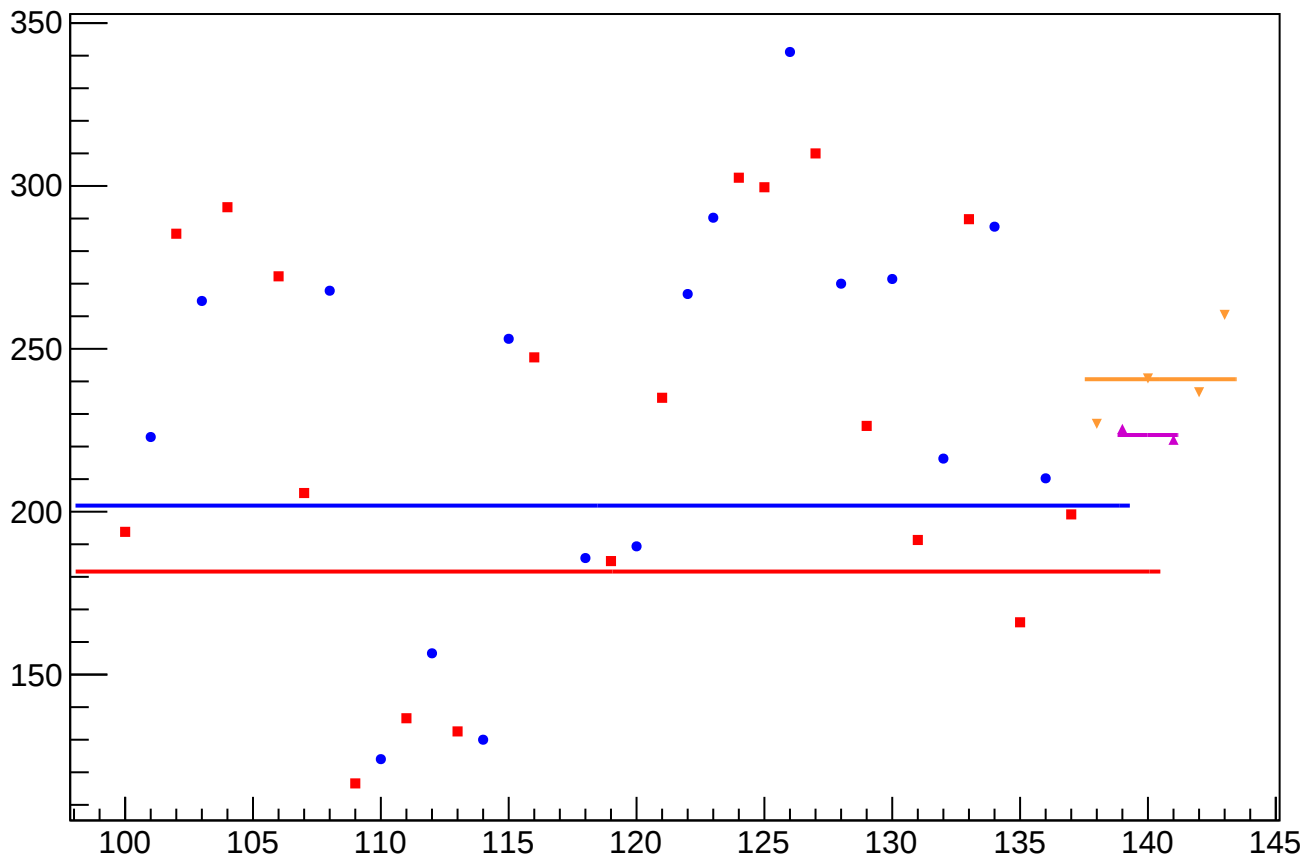
Left In: -258.232+/-182.402 χ^2/NDF : 0.7/1

+ sign 87.415+/-71.709 χ^2/NDF : 7.7/20

All: 18.714+/-49.355 χ^2/NDF : 19.5/41

- sign -43.127+/-68.034 χ^2/NDF : 10.1/20

asym_bcm_dg_us_rms vs Slug



Right In: 201.873 $\pm$ 0.058 χ^2/NDF : 884412.3/16

Left Out: 240.669 $\pm$ 0.104 χ^2/NDF :14241.1/3

Right Out: 181.626 $\pm$ 0.052 χ^2/NDF : 1373392.9/18

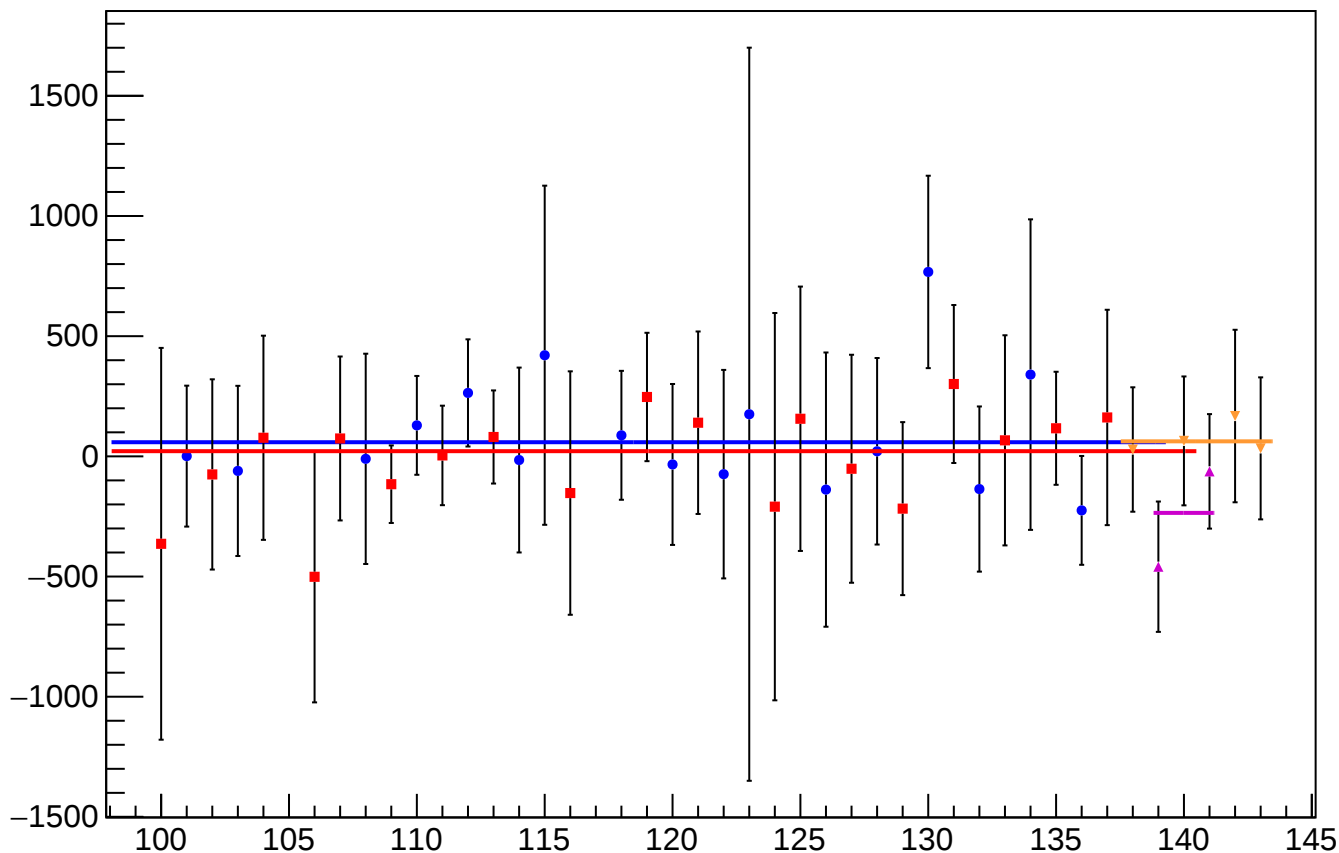
Left In: 223.546 $\pm$ 0.129 χ^2/NDF :168.3/1

+ sign 211.071 $\pm$ 0.051 χ^2/NDF : 1004540.3/20

All: 198.644 $\pm$ 0.035 χ^2/NDF : 2583170.5/41

- sign 187.458 $\pm$ 0.048 χ^2/NDF : 1464499.2/20

asym_bcm_dg_ds_mean vs Slug



Right In: 58.835+/-81.036 χ^2/NDF : 7.0/16

Left Out: 62.506+/-144.247 χ^2/NDF : 0.1/3

Right Out: 21.559+/-71.880 χ^2/NDF : 4.7/18

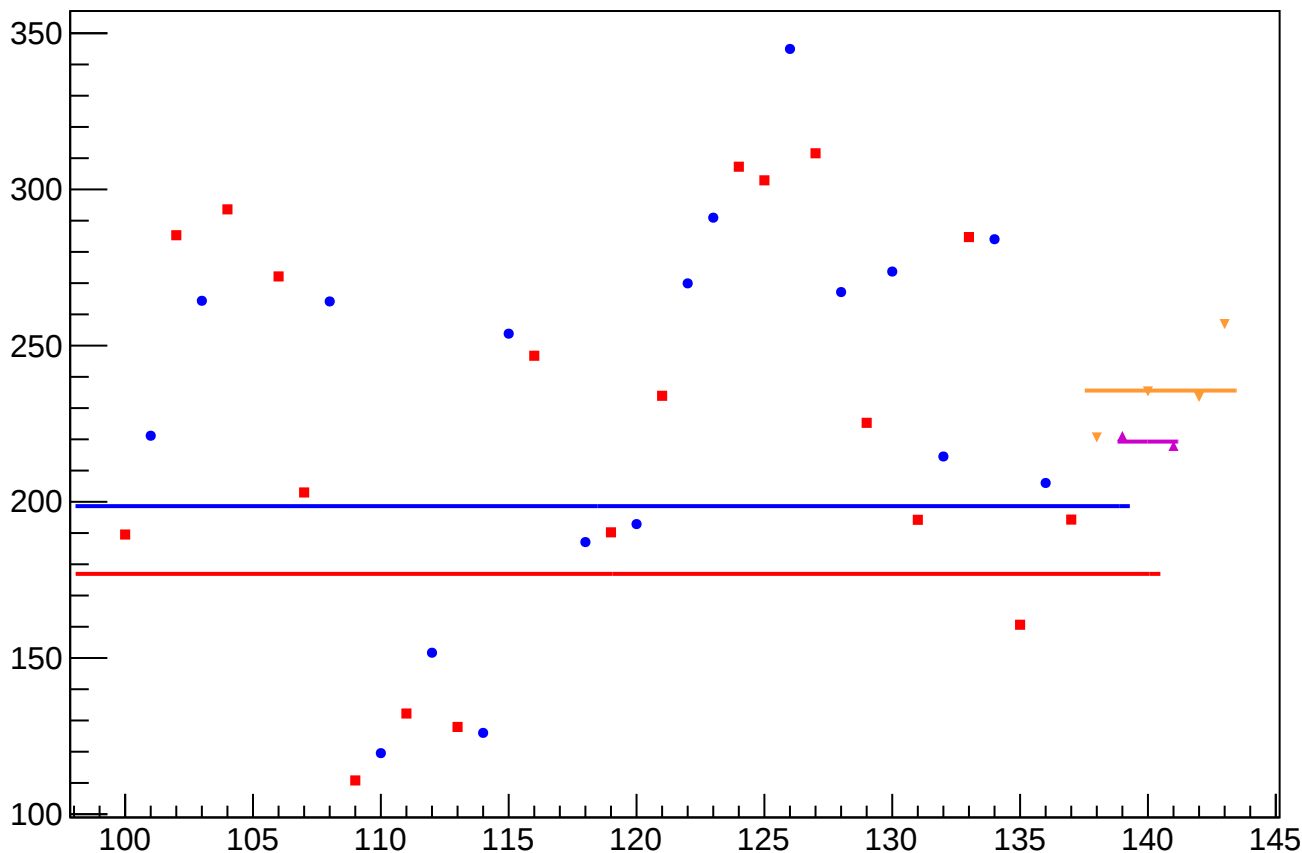
Left In: -235.197+/-178.957 χ^2/NDF : 1.2/1

+ sign 59.715+/-70.651 χ^2/NDF : 7.1/20

All: 20.681+/-48.501 χ^2/NDF : 15.3/41

- sign -14.110+/-66.700 χ^2/NDF : 7.7/20

asym_bcm_dg_ds_rms vs Slug



Right In: 198.615+/-0.057 χ^2/NDF : 965079.3/16

Left Out: 235.611+/-0.102 χ^2/NDF :17167.8/3

Right Out: 176.933+/-0.051 χ^2/NDF : 1519414.5/18

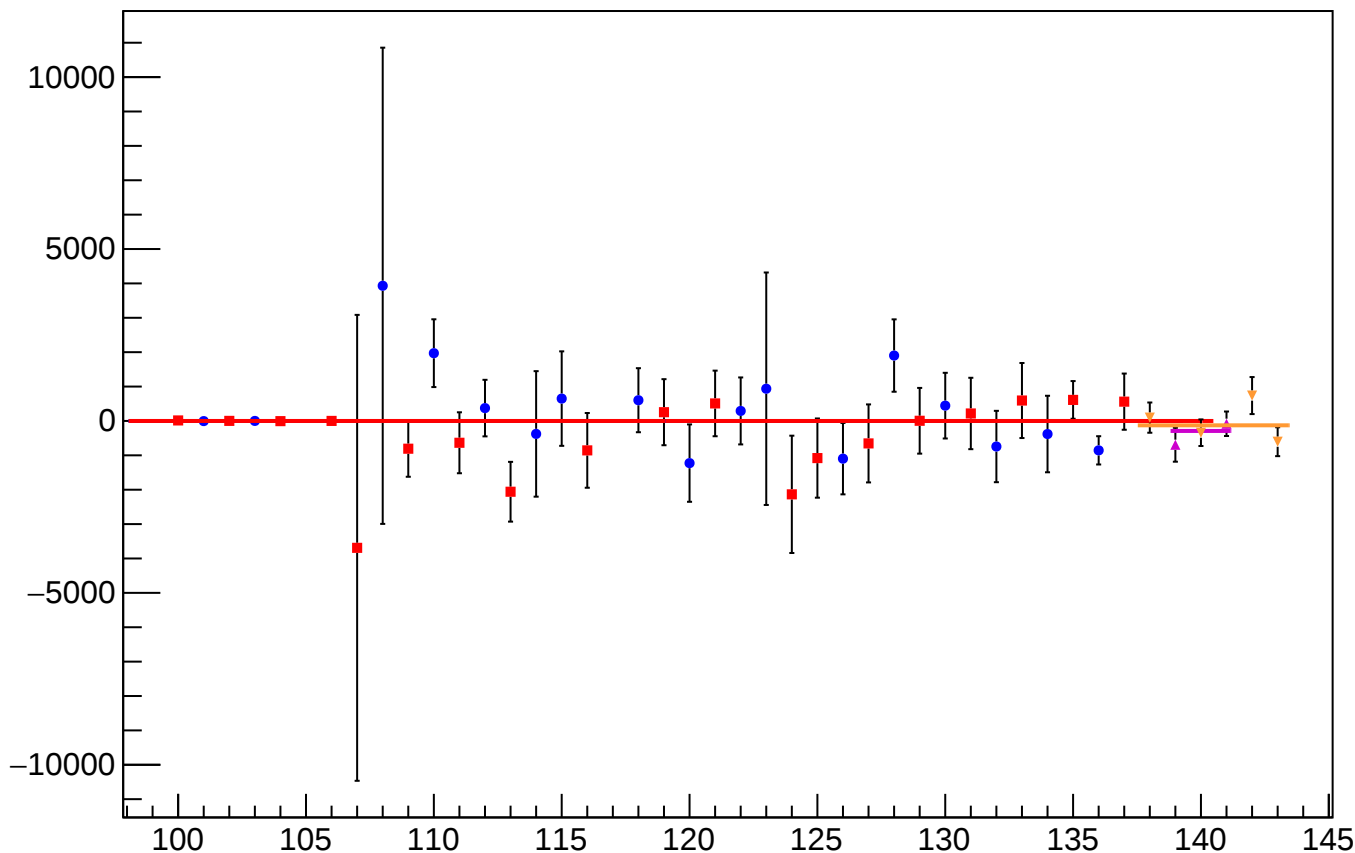
Left In: 219.274+/-0.127 χ^2/NDF :153.7/1

+ sign 207.490+/-0.050 χ^2/NDF : 1082250.0/20

All: 194.443+/-0.034 χ^2/NDF : 2827217.5/41

- sign 182.815+/-0.047 χ^2/NDF : 1615976.0/20

asym_cav4bQ_mean vs Slug



Right In: -1.530 ± 2.251 χ^2/NDF : 17.4/16

Left Out: -127.131 ± 218.306 χ^2/NDF : 4.4/3

Right Out: -0.726 ± 2.111 χ^2/NDF : 19.1/18

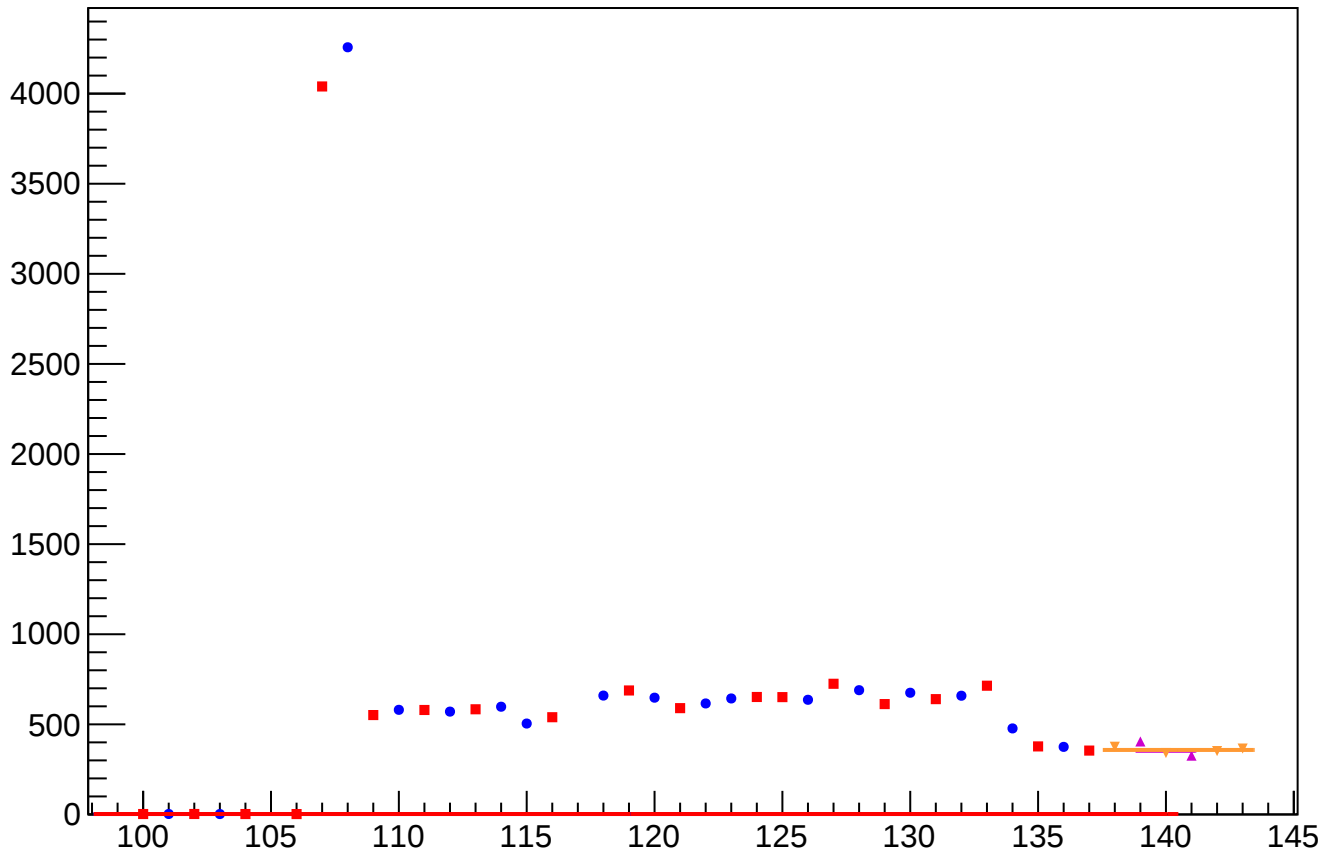
Left In: -290.821 ± 288.681 χ^2/NDF : 1.0/1

+ sign -1.543 ± 2.251 χ^2/NDF : 22.2/20

All: -1.116 ± 1.540 χ^2/NDF : 43.4/41

- sign -0.741 ± 2.111 χ^2/NDF : 21.2/20

asym_cav4bQ_rms vs Slug



Right In: 2.456+/-0.002 χ^2/NDF : 10808630.7/16

Left Out: 357.966+/-0.154 χ^2/NDF :8114.9/3

Right Out: 2.437+/-0.001 χ^2/NDF : 11101281.1/18

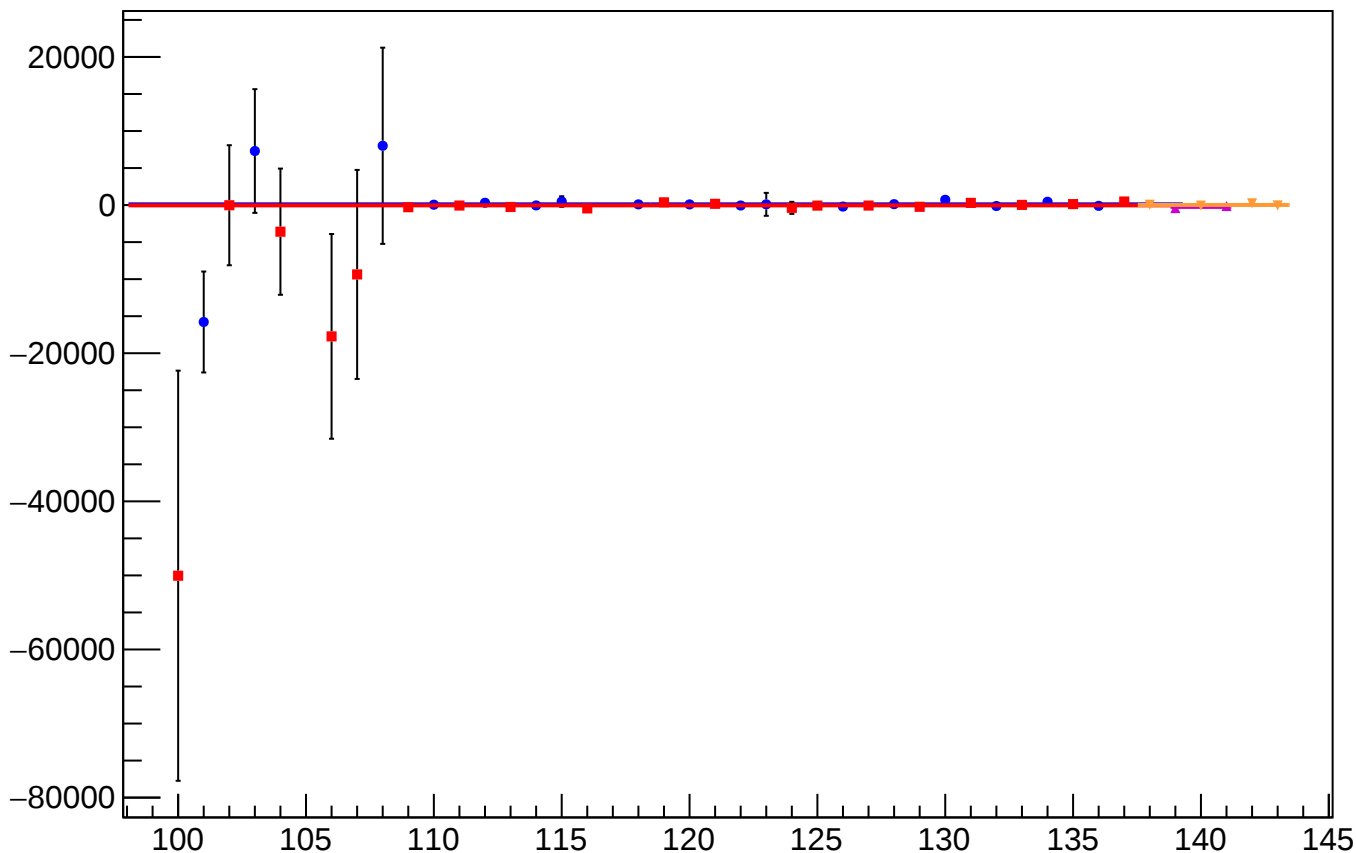
Left In: 353.289+/-0.204 χ^2/NDF :33501.6/1

+ sign 2.494+/-0.002 χ^2/NDF : 16120165.9/20

All: 2.474+/-0.001 χ^2/NDF : 30209336.0/41

- sign 2.455+/-0.001 χ^2/NDF : 14088852.4/20

asym_cav4cQ_mean vs Slug



Right In: 100.742 $\pm$ 91.159 χ^2 /NDF: 12.0/16

Left Out: 16.195 $\pm$ 149.411 χ^2 /NDF:0.5/3

Right Out: -37.835 $\pm$ 84.525 χ^2 /NDF: 14.0/18

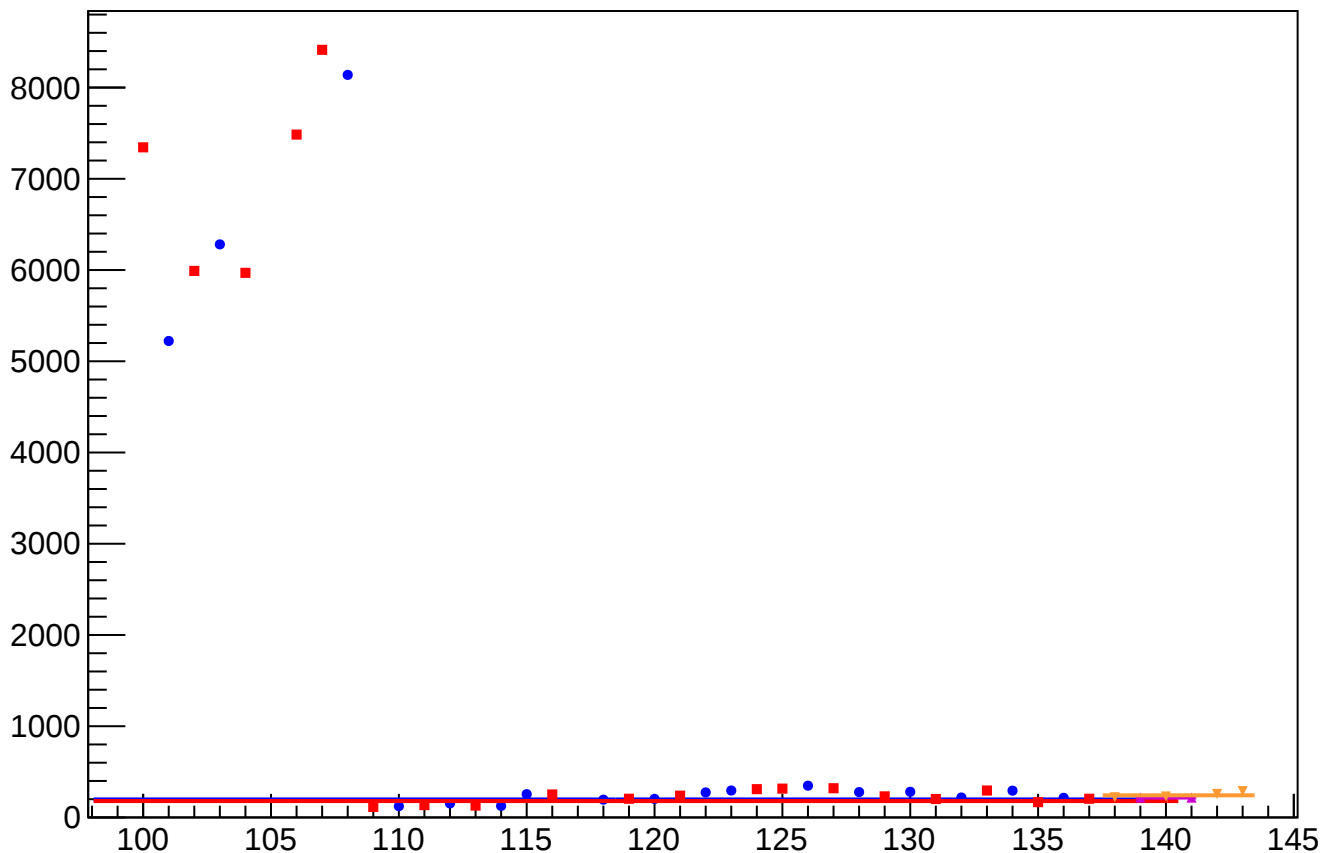
Left In: -246.182 $\pm$ 178.328 χ^2 /NDF:0.6/1

+ sign 77.807 $\pm$ 77.818 χ^2 /NDF: 12.7/20

All: -0.560 $\pm$ 54.510 χ^2 /NDF: 30.5/41

- sign -76.056 $\pm$ 76.379 χ^2 /NDF: 15.8/20

asym_cav4cQ_rms vs Slug



Right In: 197.308 $\pm$ 0.064 χ^2 /NDF: 3696256.2/16

Left Out: 242.767 $\pm$ 0.106 χ^2 /NDF: 59628.1/3

Right Out: 179.749 $\pm$ 0.060 χ^2 /NDF: 4315581.1/18

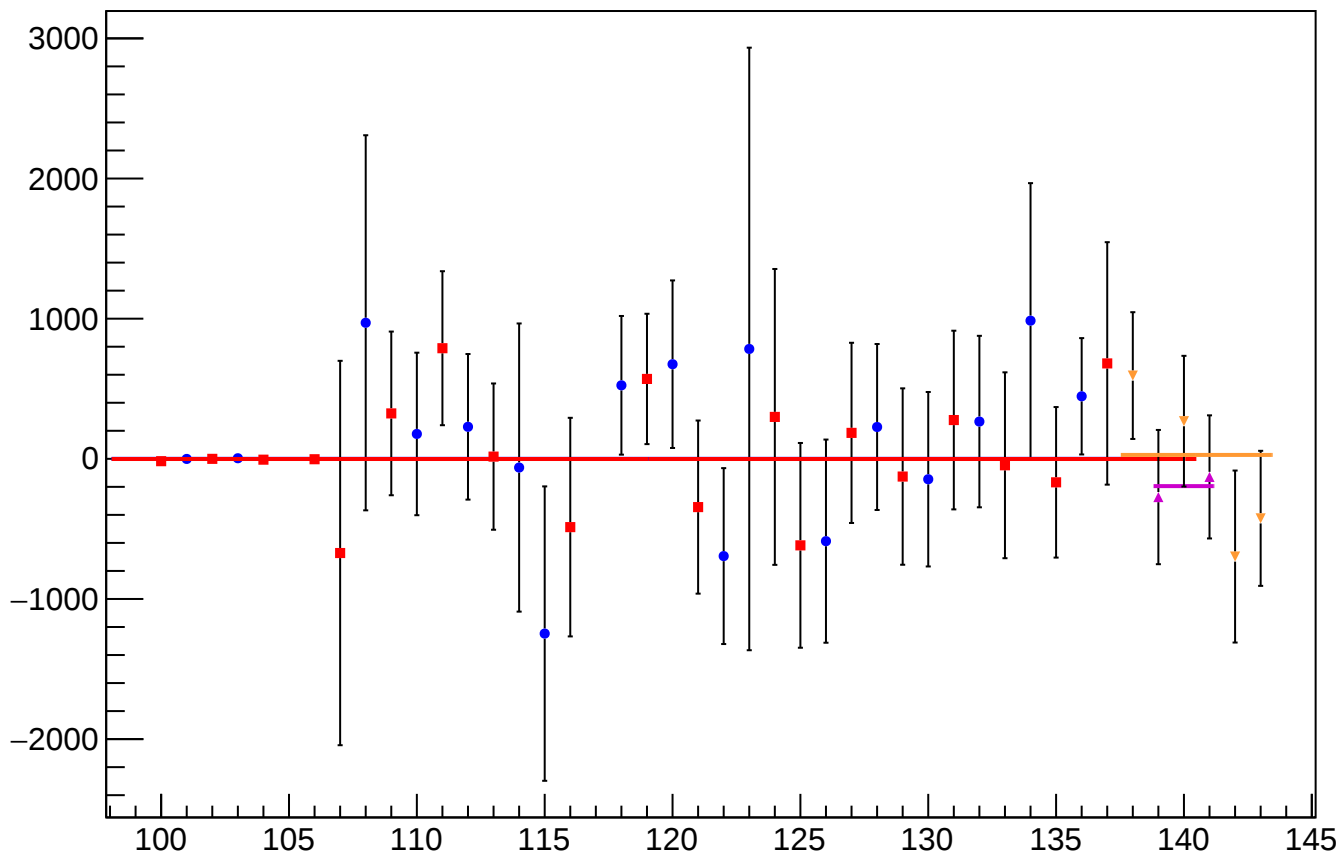
Left In: 218.162 $\pm$ 0.126 χ^2 /NDF: 48.4/1

+ sign 209.639 $\pm$ 0.055 χ^2 /NDF: 3890804.2/20

All: 198.004 $\pm$ 0.039 χ^2 /NDF: 8369991.3/41

- sign 186.796 $\pm$ 0.054 χ^2 /NDF: 4391407.8/20

asym_cav4dQ_mean vs Slug



Right In: -0.140 ± 1.737 χ^2/NDF : 10.0/16

Left Out: 27.801 ± 246.553 χ^2/NDF : 4.1/3

Right Out: -1.323 ± 1.623 χ^2/NDF : 9.4/18

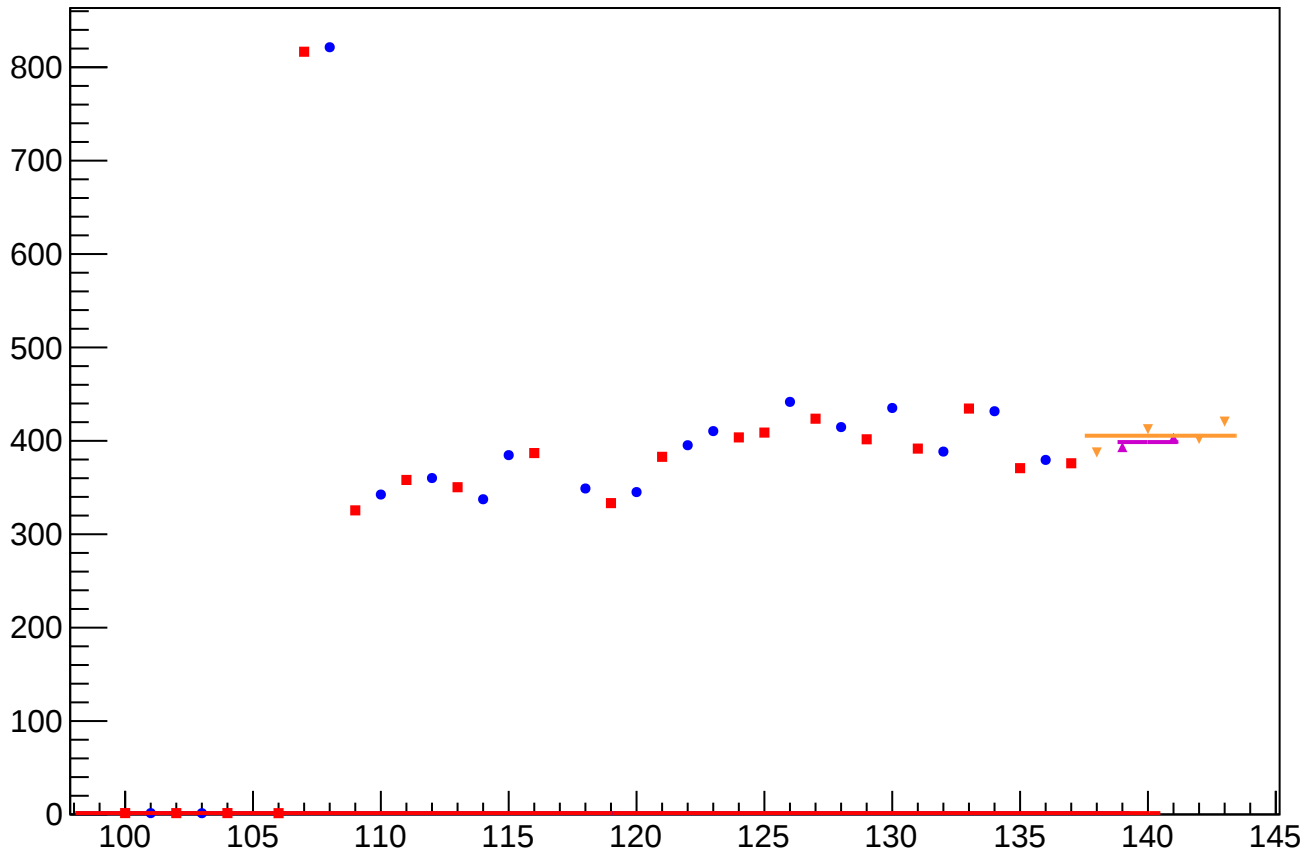
Left In: -194.756 ± 323.734 χ^2/NDF : 0.0/1

+ sign -0.138 ± 1.737 χ^2/NDF : 14.2/20

All: -0.773 ± 1.186 χ^2/NDF : 24.2/41

- sign -1.327 ± 1.623 χ^2/NDF : 9.8/20

asym_cav4dQ_rms vs Slug



Right In: 1.453+/-0.001 χ^2/NDF : 10914608.7/16

Left Out: 405.503+/-0.174 χ^2/NDF :5612.1/3

Right Out: 1.451+/-0.001 χ^2/NDF : 10838834.3/18

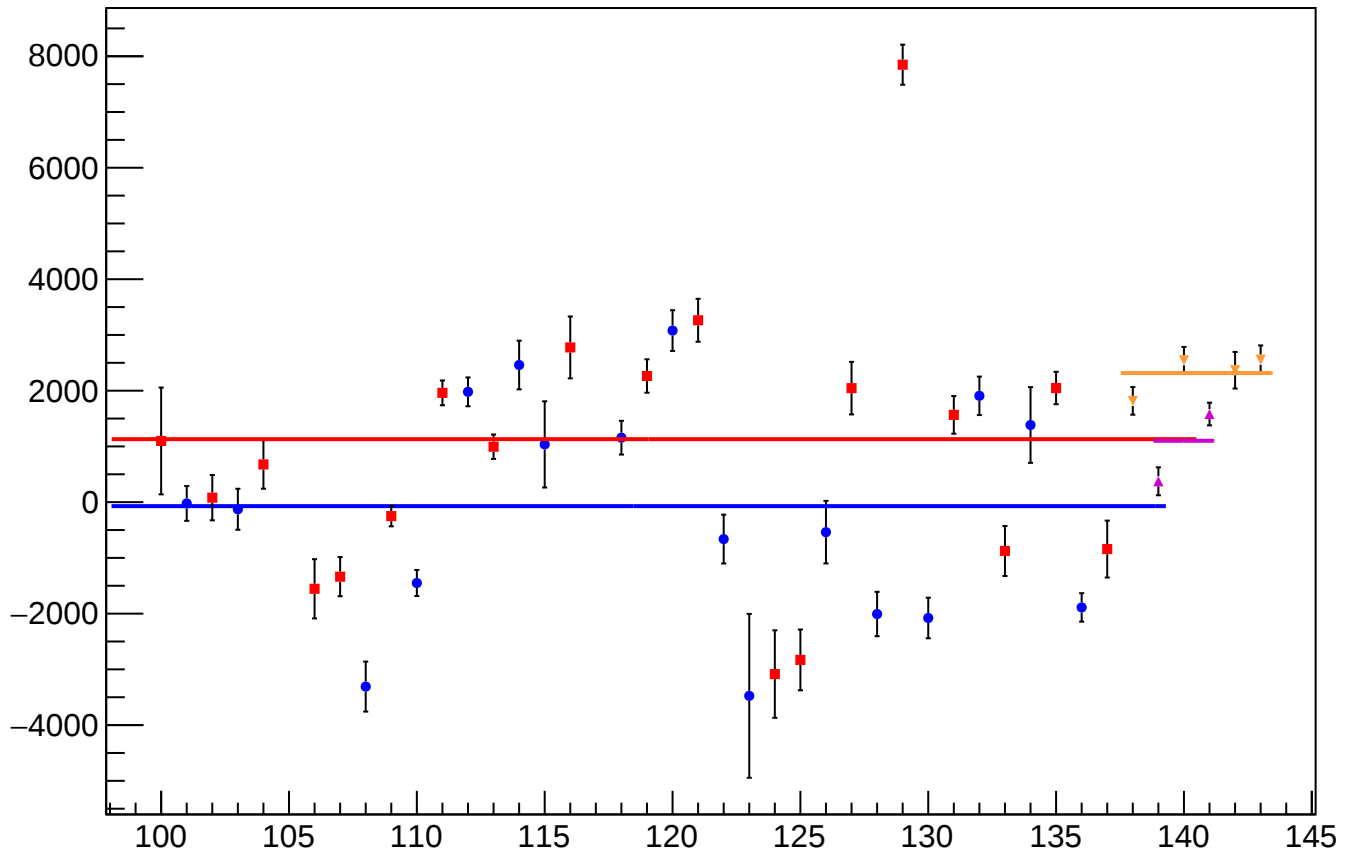
Left In: 398.693+/-0.229 χ^2/NDF :463.8/1

+ sign 1.473+/-0.001 χ^2/NDF : 16291259.3/20

All: 1.466+/-0.001 χ^2/NDF : 30141894.3/41

- sign 1.461+/-0.001 χ^2/NDF : 13850586.1/20

asym_bcm0l02_mean vs Slug



Right In: -71.539 ± 87.764 χ^2/NDF : 426.3/16

Left Out: 2316.312 ± 131.052 χ^2/NDF : 5.9/3

Right Out: 1130.395 ± 78.436 χ^2/NDF : 688.9/18

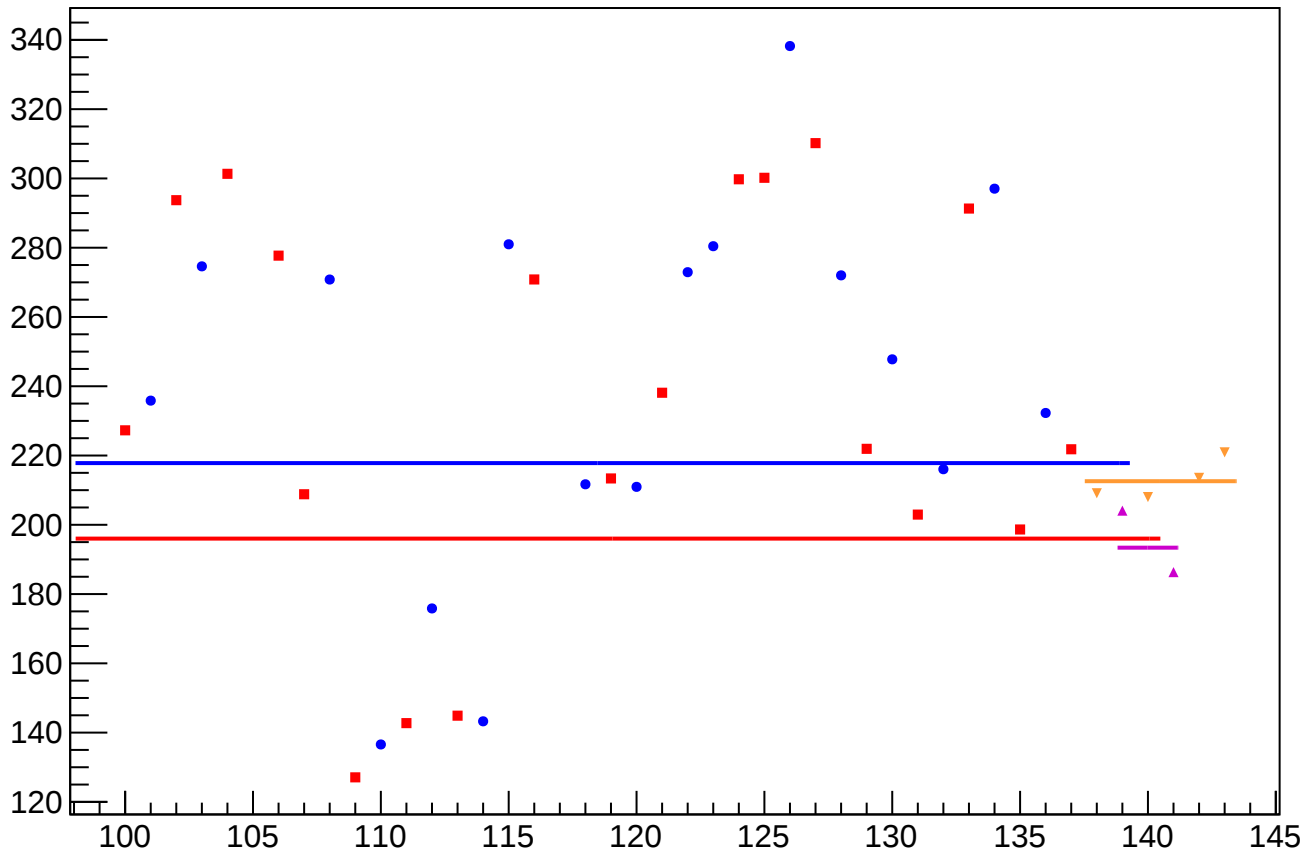
Left In: 1101.128 ± 158.071 χ^2/NDF : 14.0/1

+ sign 667.795 ± 72.922 χ^2/NDF : 661.4/20

All: 904.689 ± 50.597 χ^2/NDF : 1384.6/41

- sign 1124.613 ± 70.262 χ^2/NDF : 702.9/20

asym_bcm0l02_rms vs Slug



Right In: 217.814+/-0.062 χ^2/NDF : 661049.8/16

Left Out: 212.587+/-0.093 χ^2/NDF :3261.3/3

Right Out: 196.014+/-0.055 χ^2/NDF : 1189121.8/18

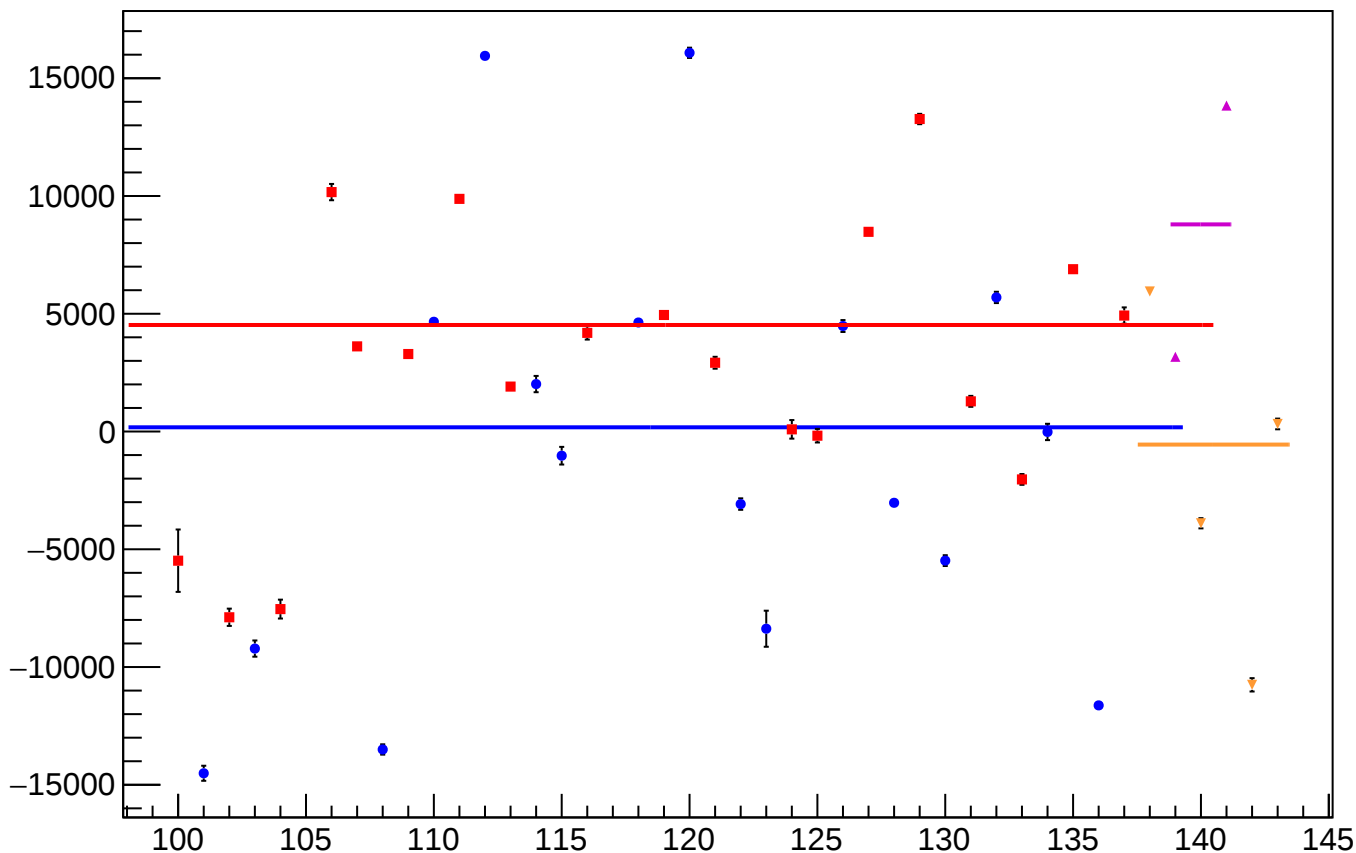
Left In: 193.395+/-0.112 χ^2/NDF :6041.4/1

+ sign 216.196+/-0.052 χ^2/NDF : 666507.5/20

All: 205.461+/-0.036 χ^2/NDF : 1945678.7/41

- sign 195.496+/-0.050 χ^2/NDF : 1195603.6/20

asym_bpm0i02WS_mean vs Slug



Right In: 178.788 $\pm$ 54.896 χ^2 /NDF: 30662.2/16

Left Out: -554.677 $\pm$ 111.319 χ^2 /NDF:2722.0/3

Right Out: 4523.222 $\pm$ 52.440 χ^2 /NDF: 7474.2/18

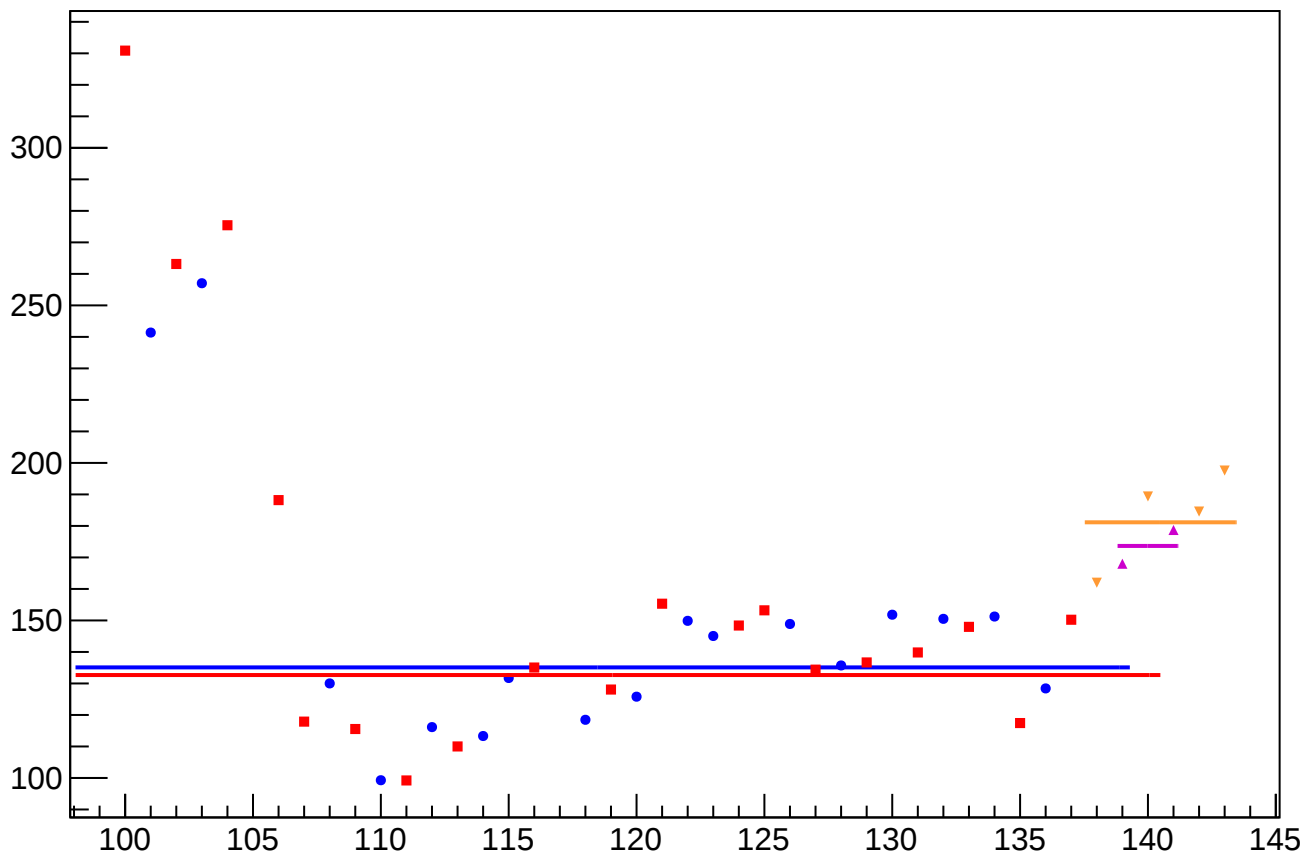
Left In: 8794.609 $\pm$ 141.893 χ^2 /NDF:1408.4/1

+ sign 35.308 $\pm$ 49.235 χ^2 /NDF: 33419.2/20

All: 2538.299 $\pm$ 34.798 χ^2 /NDF: 48263.0/41

- sign 5036.518 $\pm$ 49.188 χ^2 /NDF: 9679.9/20

asym_bpm0i02WS_rms vs Slug



Right In: 135.099 $\pm$ 0.039 χ^2 /NDF: 657657.4/16

Left Out: 181.150 $\pm$ 0.079 χ^2 /NDF:33982.4/3

Right Out: 132.672 $\pm$ 0.037 χ^2 /NDF: 828363.1/18

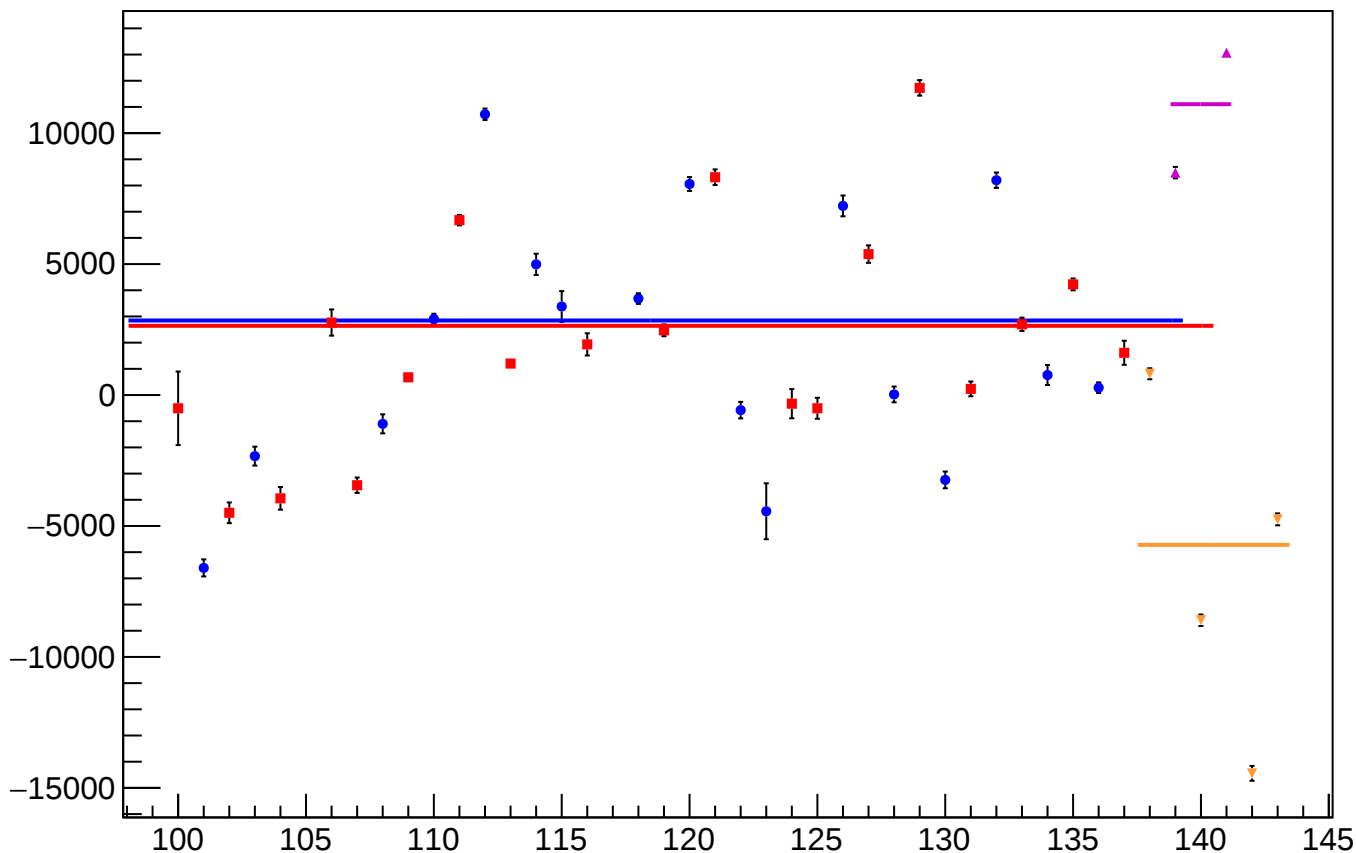
Left In: 173.651 $\pm$ 0.100 χ^2 /NDF:2840.2/1

+ sign 144.107 $\pm$ 0.035 χ^2 /NDF: 966958.4/20

All: 140.849 $\pm$ 0.025 χ^2 /NDF: 1962430.3/41

- sign 137.596 $\pm$ 0.035 χ^2 /NDF: 977969.2/20

asym_bpm0i02aWS_mean vs Slug



Right In: 2846.117 $\pm$ 70.894 χ^2 /NDF: 4160.1/16

Left Out: -5720.336 $\pm$ 115.481 χ^2 /NDF:2103.2/3

Right Out: 2643.505 $\pm$ 65.711 χ^2 /NDF: 3177.7/18

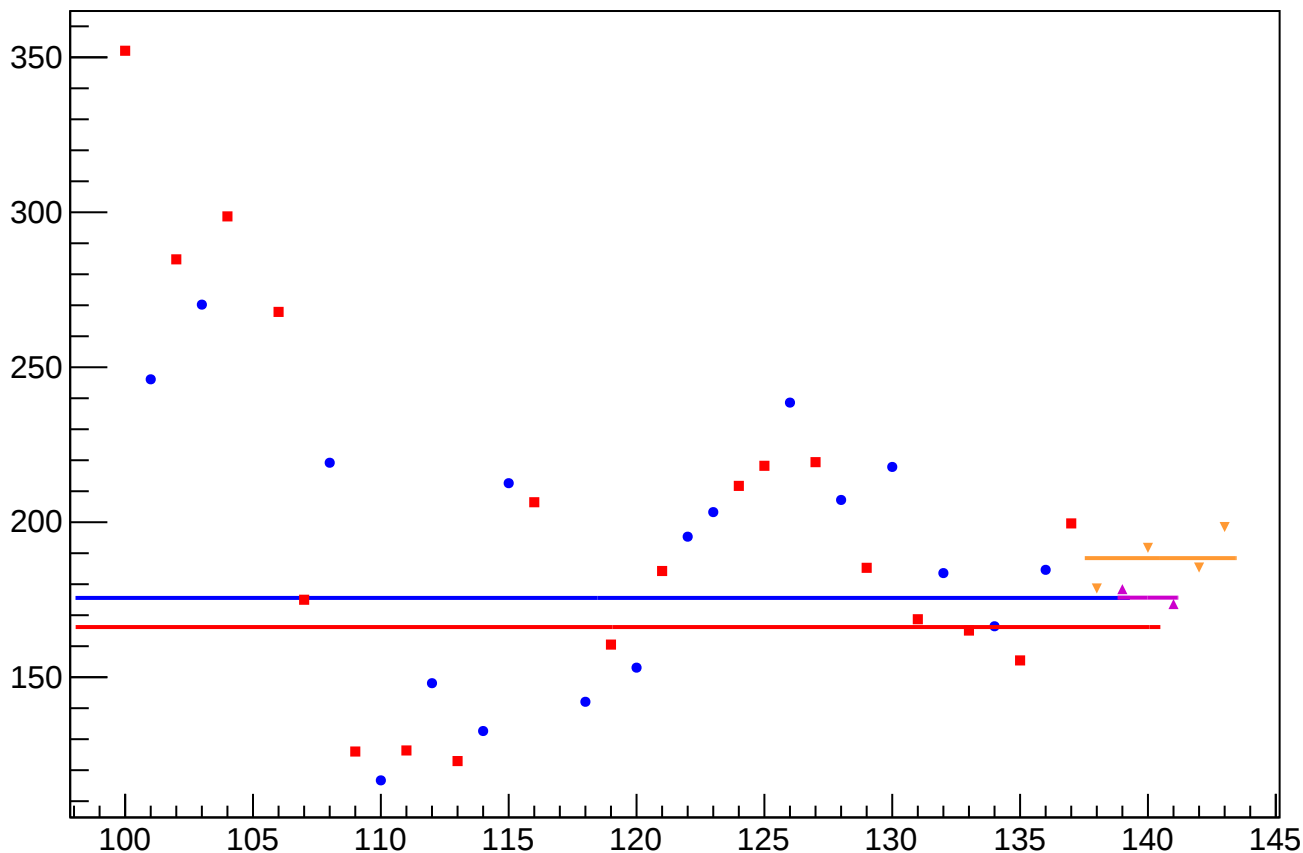
Left In: 11104.825 $\pm$ 143.276 χ^2 /NDF:250.6/1

+ sign 501.331 $\pm$ 60.418 χ^2 /NDF: 10259.8/20

All: 2328.371 $\pm$ 42.476 χ^2 /NDF: 18377.8/41

- sign 4113.990 $\pm$ 59.729 χ^2 /NDF: 6309.8/20

asym_bpm0i02aWS_rms vs Slug



Right In: 175.582 $\pm$ 0.050 χ^2 /NDF: 687852.4/16

Left Out: 188.421 $\pm$ 0.082 χ^2 /NDF:8902.8/3

Right Out: 166.180 $\pm$ 0.046 χ^2 /NDF: 925559.0/18

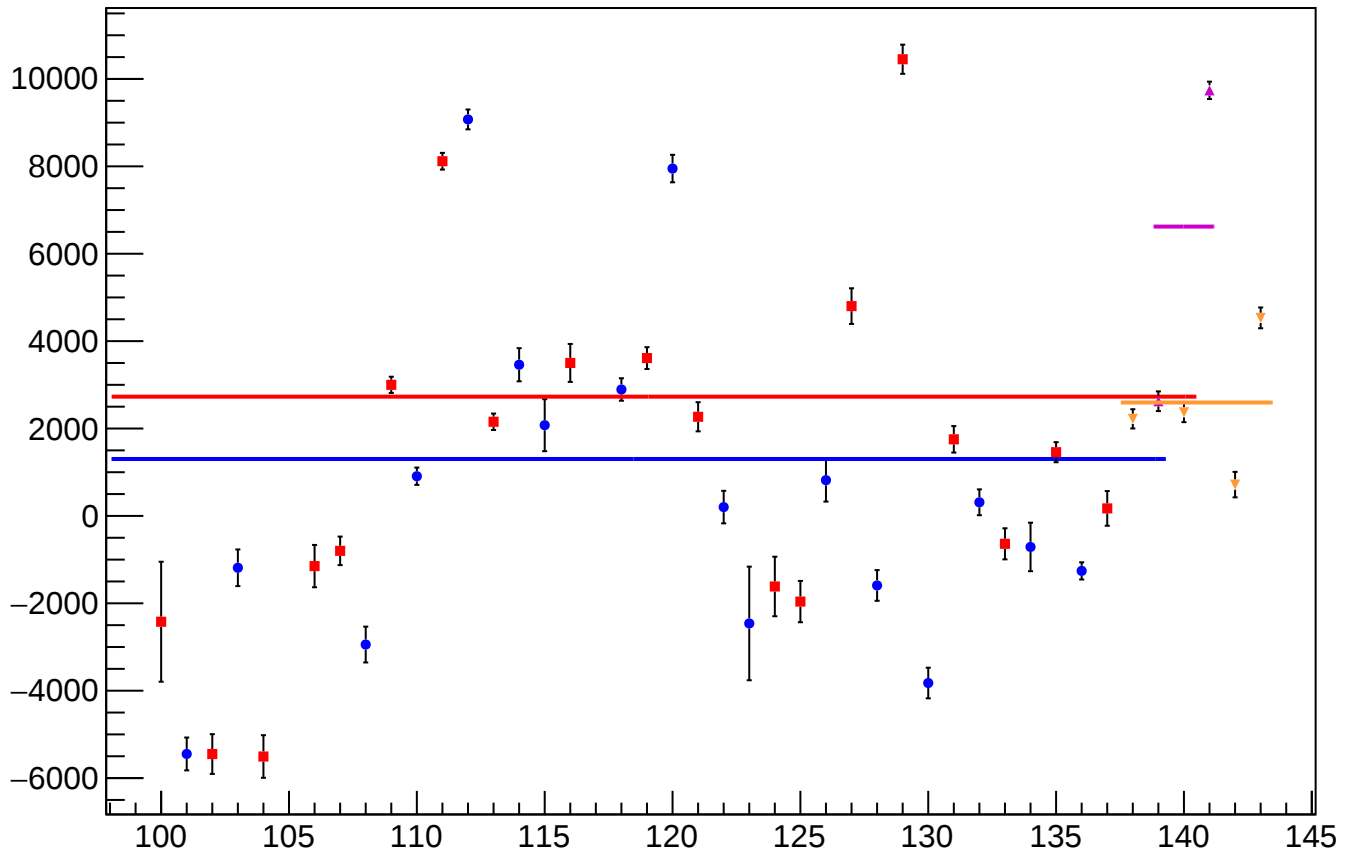
Left In: 175.667 $\pm$ 0.101 χ^2 /NDF:552.7/1

+ sign 179.096 $\pm$ 0.043 χ^2 /NDF: 714710.6/20

All: 173.398 $\pm$ 0.030 χ^2 /NDF: 1683244.9/41

- sign 167.829 $\pm$ 0.042 χ^2 /NDF: 933355.8/20

asym_bpm0i05WS_mean vs Slug



Right In: 1302.950+/-77.323 χ^2/NDF : 2649.9/16

Left Out: 2595.470+/-119.817 χ^2/NDF : 111.5/3

Right Out: 2729.355+/-70.012 χ^2/NDF : 2497.2/18

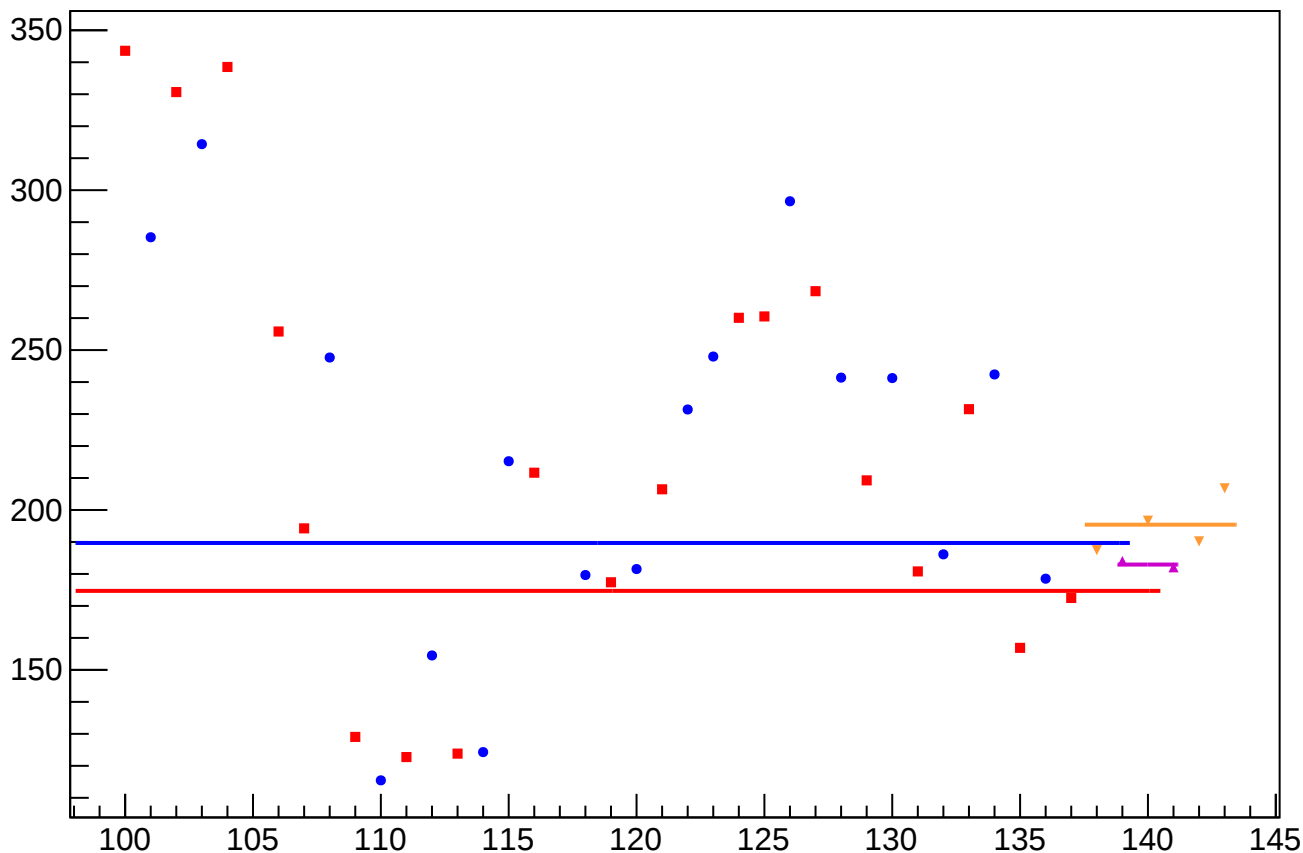
Left In: 6621.469+/-149.168 χ^2/NDF : 560.1/1

+ sign 1682.973+/-64.969 χ^2/NDF : 2843.6/20

All: 2579.143+/-45.367 χ^2/NDF : 6830.0/41

- sign 3431.959+/-63.378 χ^2/NDF : 3615.1/20

asym_bpm0i05WS_rms vs Slug



Right In: 189.687 $\pm$ 0.055 χ^2 /NDF: 977199.2/16

Left Out: 195.404 $\pm$ 0.085 χ^2 /NDF: 7878.6/3

Right Out: 174.707 $\pm$ 0.050 χ^2 /NDF: 1291115.5/18

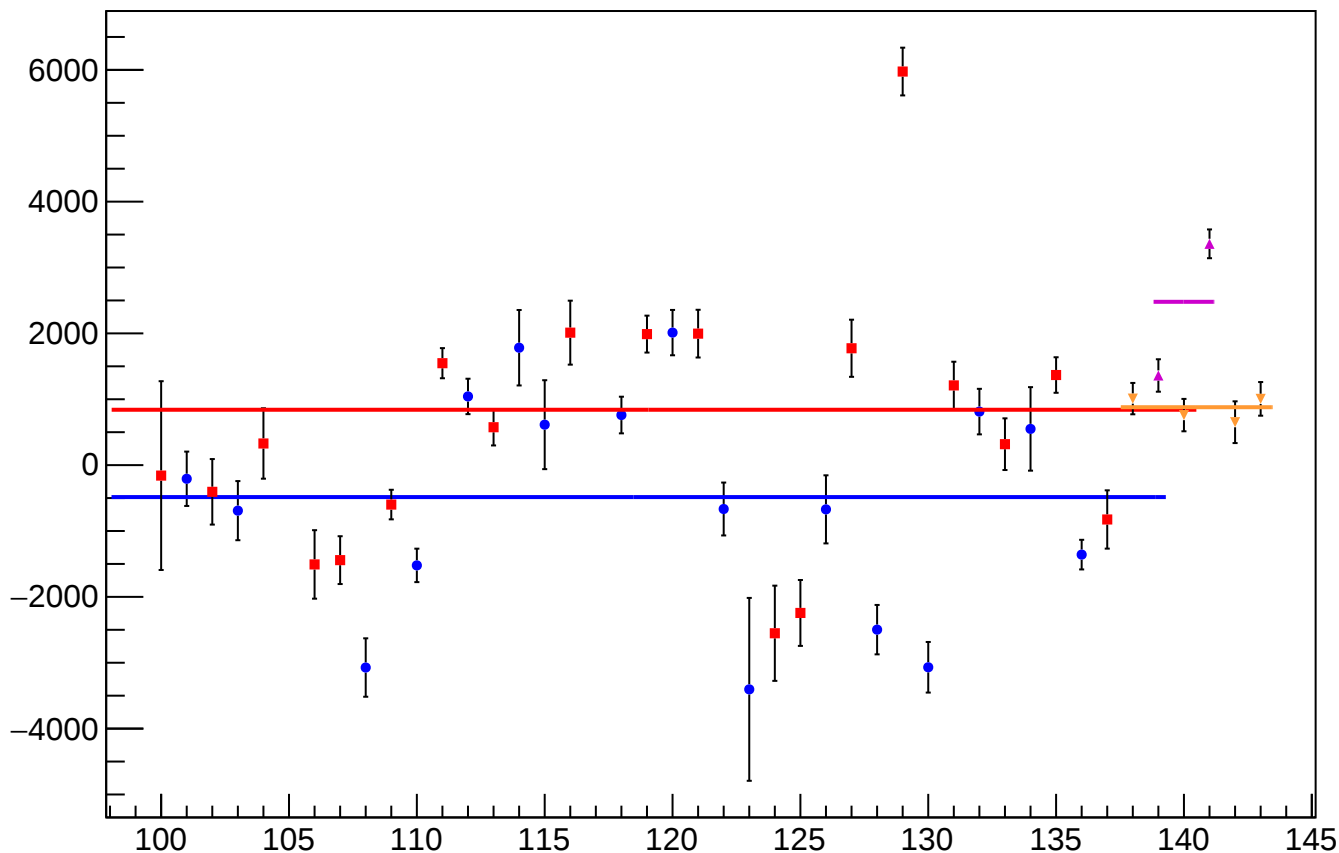
Left In: 182.937 $\pm$ 0.105 χ^2 /NDF: 85.5/1

+ sign 191.368 $\pm$ 0.046 χ^2 /NDF: 988292.5/20

All: 183.592 $\pm$ 0.032 χ^2 /NDF: 2340394.0/41

- sign 176.193 $\pm$ 0.045 χ^2 /NDF: 1296190.8/20

asym_bpm0i07WS_mean vs Slug



Right In: -485.036 ± 88.788 χ^2/NDF : 285.3/16

Left Out: 879.163 ± 129.658 χ^2/NDF : 1.3/3

Right Out: 840.594 ± 82.233 χ^2/NDF : 438.2/18

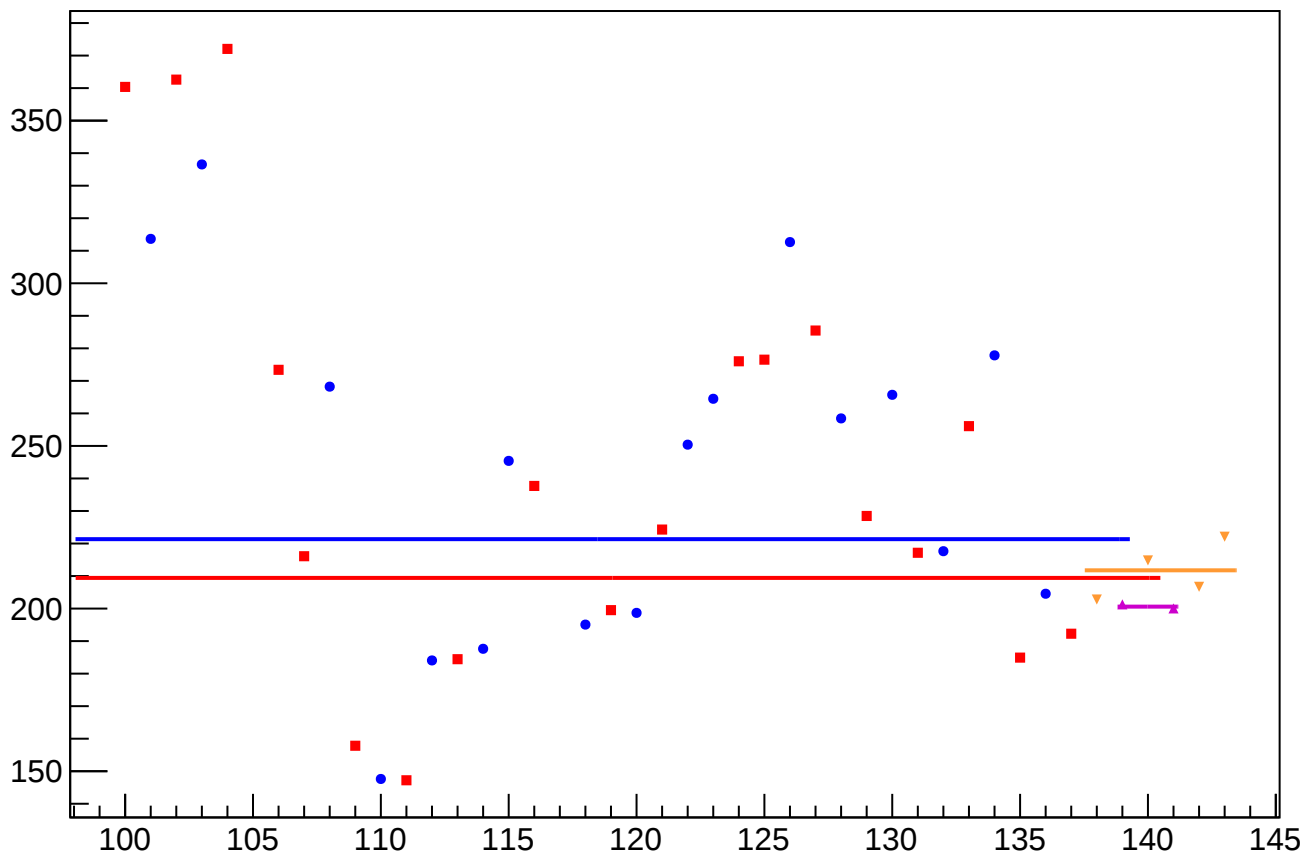
Left In: 2479.281 ± 163.427 χ^2/NDF : 36.9/1

+ sign -49.534 ± 73.258 χ^2/NDF : 362.0/20

All: 559.404 ± 51.872 χ^2/NDF : 1055.8/41

- sign 1171.664 ± 73.457 χ^2/NDF : 555.3/20

asym_bpm0i07WS_rms vs Slug



Right In: 221.339 ± 0.063 χ^2/NDF : 645507.4/16

Left Out: 211.760 ± 0.092 χ^2/NDF : 6932.8/3

Right Out: 209.428 ± 0.058 χ^2/NDF : 879292.0/18

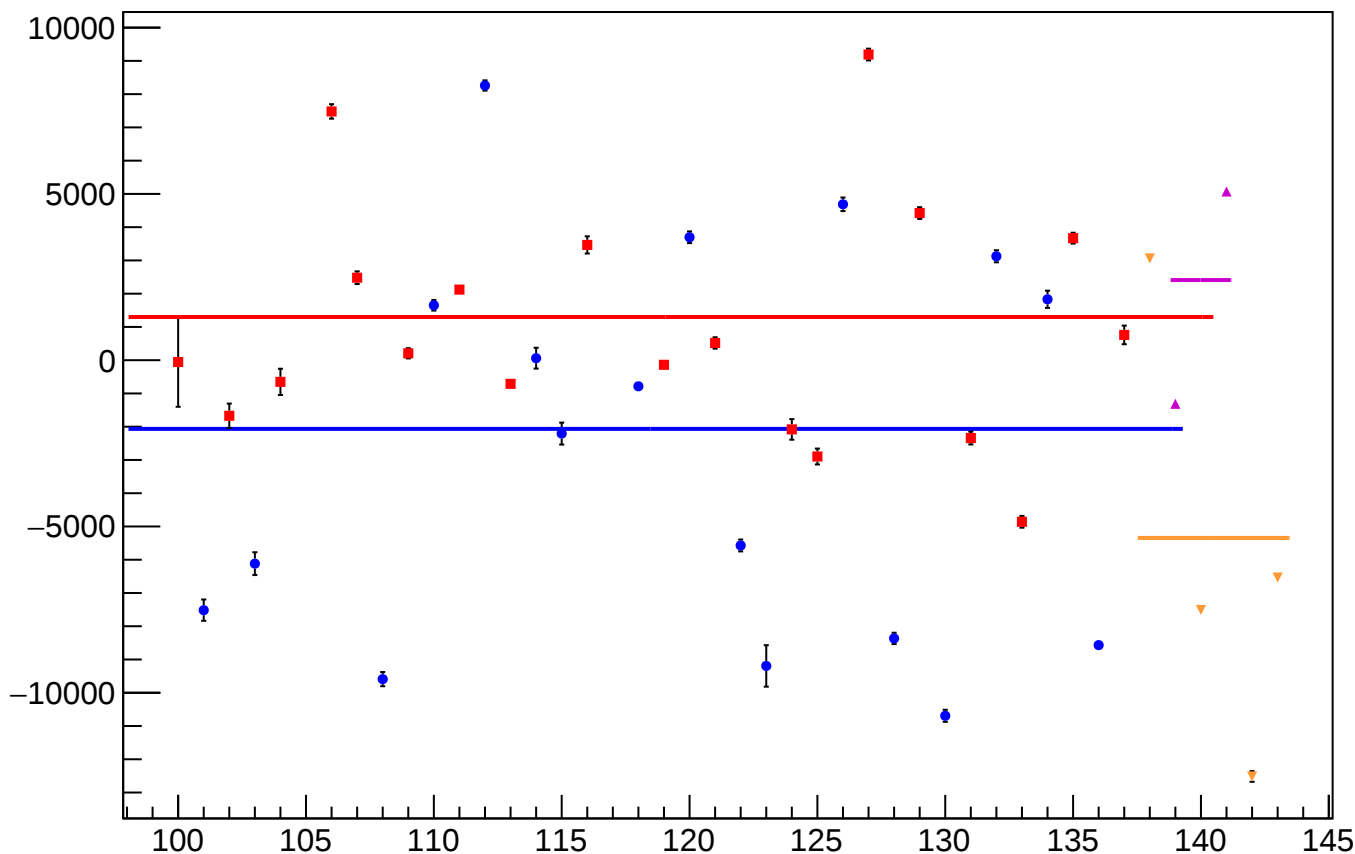
Left In: 200.599 ± 0.116 χ^2/NDF : 28.6/1

+ sign 218.281 ± 0.052 χ^2/NDF : 659871.3/20

All: 212.977 ± 0.037 χ^2/NDF : 1564875.5/41

- sign 207.644 ± 0.052 χ^2/NDF : 883978.7/20

asym_bpm1i02WS_mean vs Slug



Right In: -2065.524 ± 47.407 $\chi^2/\text{NDF}: 16535.7/16$

Left Out: -5343.978 ± 65.390 $\chi^2/\text{NDF}: 6616.3/3$

Right Out: 1298.632 ± 44.980 $\chi^2/\text{NDF}: 5909.5/18$

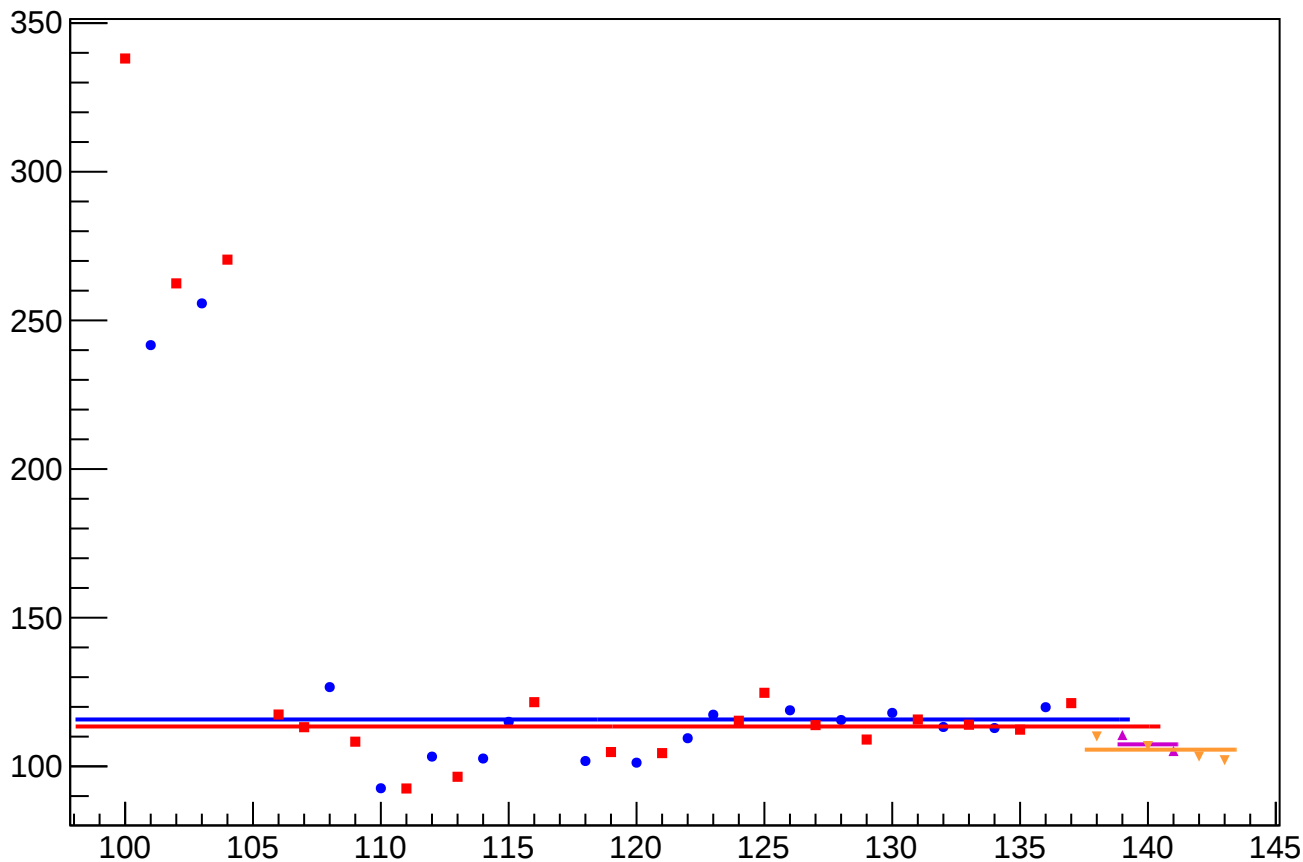
Left In: 2410.016 ± 88.461 $\chi^2/\text{NDF}: 1266.1/1$

+ sign -3195.016 ± 38.381 $\chi^2/\text{NDF}: 24799.7/20$

All: -937.075 ± 27.726 $\chi^2/\text{NDF}: 39338.3/41$

- sign 1526.949 ± 40.095 $\chi^2/\text{NDF}: 7301.0/20$

asym_bpm1i02WS_rms vs Slug



Right In: 115.768 $\pm$ 0.034 χ^2 /NDF: 743657.8/16

Left Out: 105.613 $\pm$ 0.046 χ^2 /NDF: 4758.5/3

Right Out: 113.410 $\pm$ 0.032 χ^2 /NDF: 795303.3/18

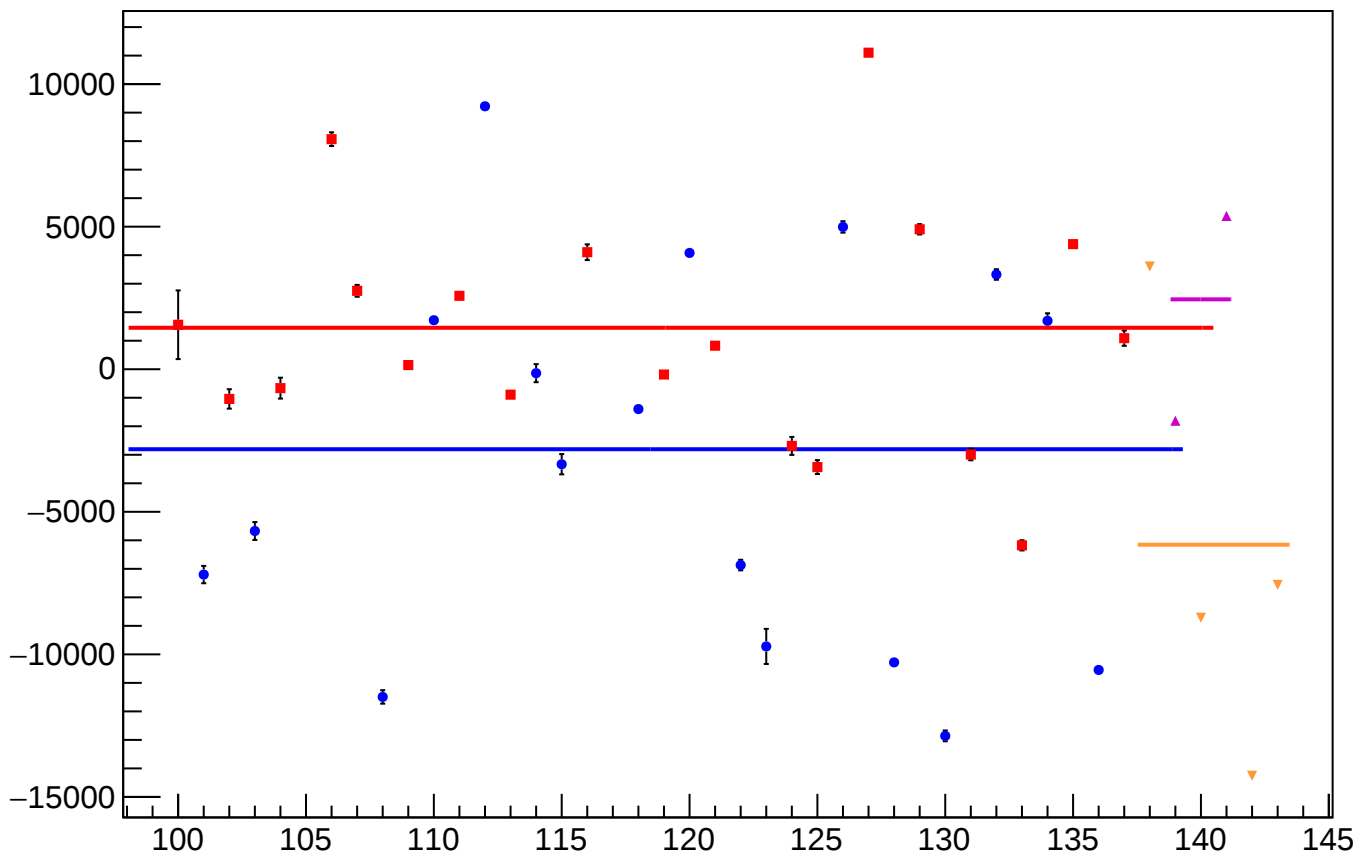
Left In: 107.399 $\pm$ 0.063 χ^2 /NDF: 1798.6/1

+ sign 112.269 $\pm$ 0.027 χ^2 /NDF: 780031.0/20

All: 112.224 $\pm$ 0.020 χ^2 /NDF: 1584477.7/41

- sign 112.175 $\pm$ 0.028 χ^2 /NDF: 804440.9/20

asym_bpm2i01WS_mean vs Slug



Right In: -2805.410 ± 48.358 $\chi^2/\text{NDF}: 21259.6/16$

Left Out: -6154.347 ± 70.022 $\chi^2/\text{NDF}: 7472.5/3$

Right Out: 1454.376 ± 46.372 $\chi^2/\text{NDF}: 8020.2/18$

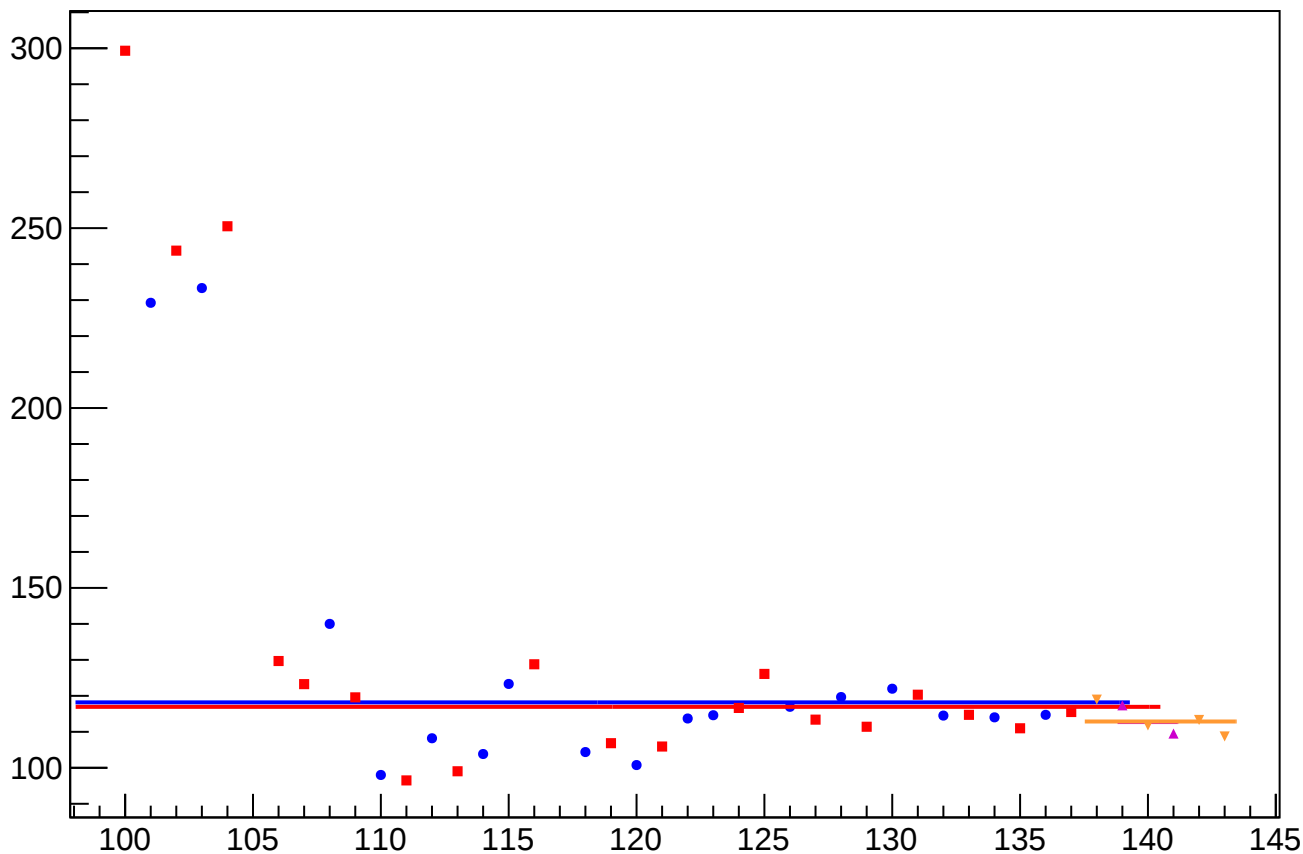
Left In: 2451.063 ± 93.058 $\chi^2/\text{NDF}: 1437.8/1$

+ sign -3886.886 ± 39.791 $\chi^2/\text{NDF}: 30280.9/20$

All: -1233.808 ± 28.723 $\chi^2/\text{NDF}: 49112.9/41$

- sign 1652.638 ± 41.504 $\chi^2/\text{NDF}: 9549.9/20$

asym_bpm2i01WS_rms vs Slug



Right In: 118.187 $\pm$ 0.034 χ^2 /NDF: 636345.5/16

Left Out: 112.871 $\pm$ 0.050 χ^2 /NDF: 6077.2/3

Right Out: 116.944 $\pm$ 0.033 χ^2 /NDF: 689368.0/18

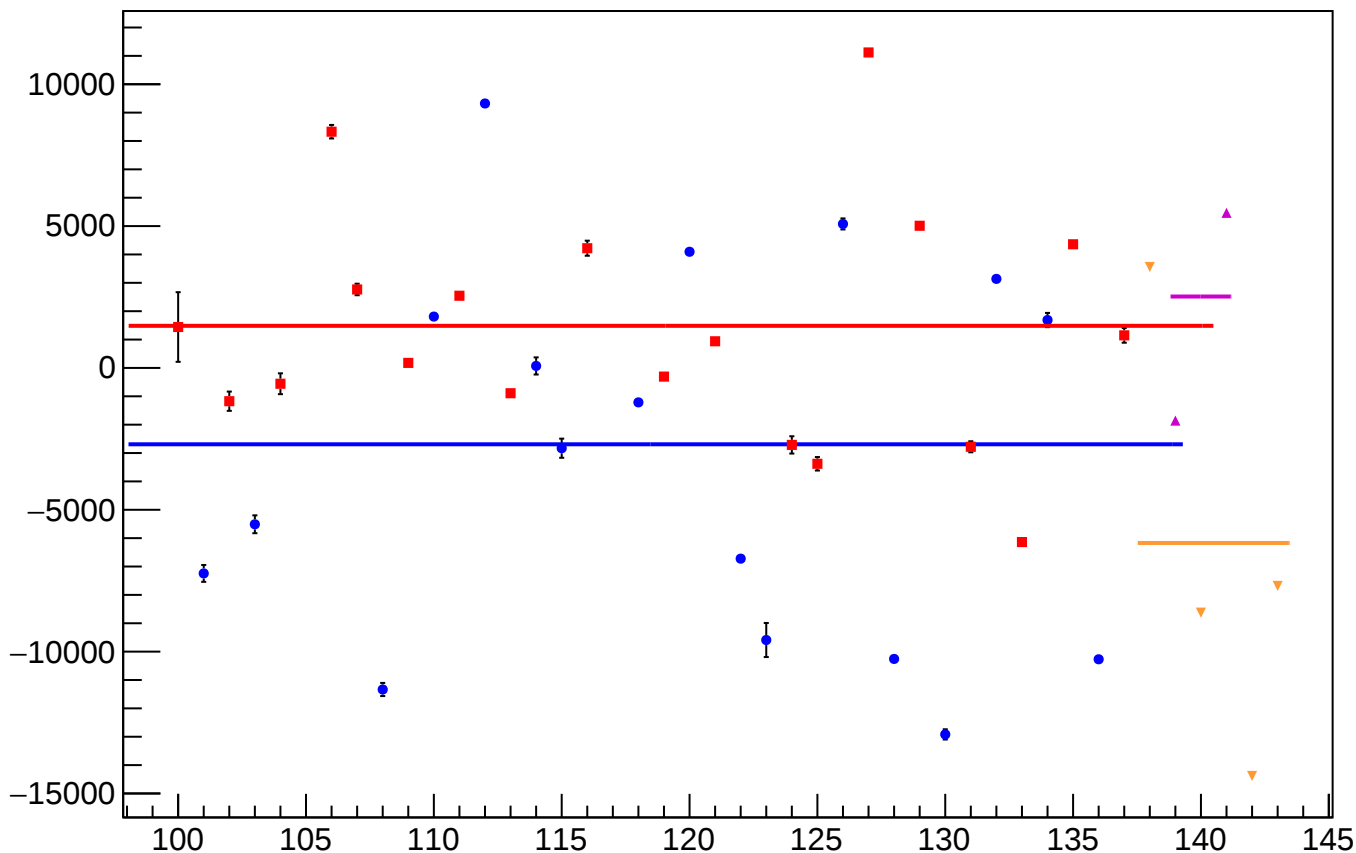
Left In: 112.716 $\pm$ 0.066 χ^2 /NDF: 3432.6/1

+ sign 116.470 $\pm$ 0.028 χ^2 /NDF: 650228.9/20

All: 116.294 $\pm$ 0.020 χ^2 /NDF: 1346417.6/41

- sign 116.103 $\pm$ 0.029 χ^2 /NDF: 696107.0/20

asym_bpm2i02WS_mean vs Slug



Right In: -2691.569 ± 46.420 $\chi^2/\text{NDF}: 22847.7/16$

Left Out: -6169.567 ± 67.725 $\chi^2/\text{NDF}: 8036.2/3$

Right Out: 1484.889 ± 44.421 $\chi^2/\text{NDF}: 8724.0/18$

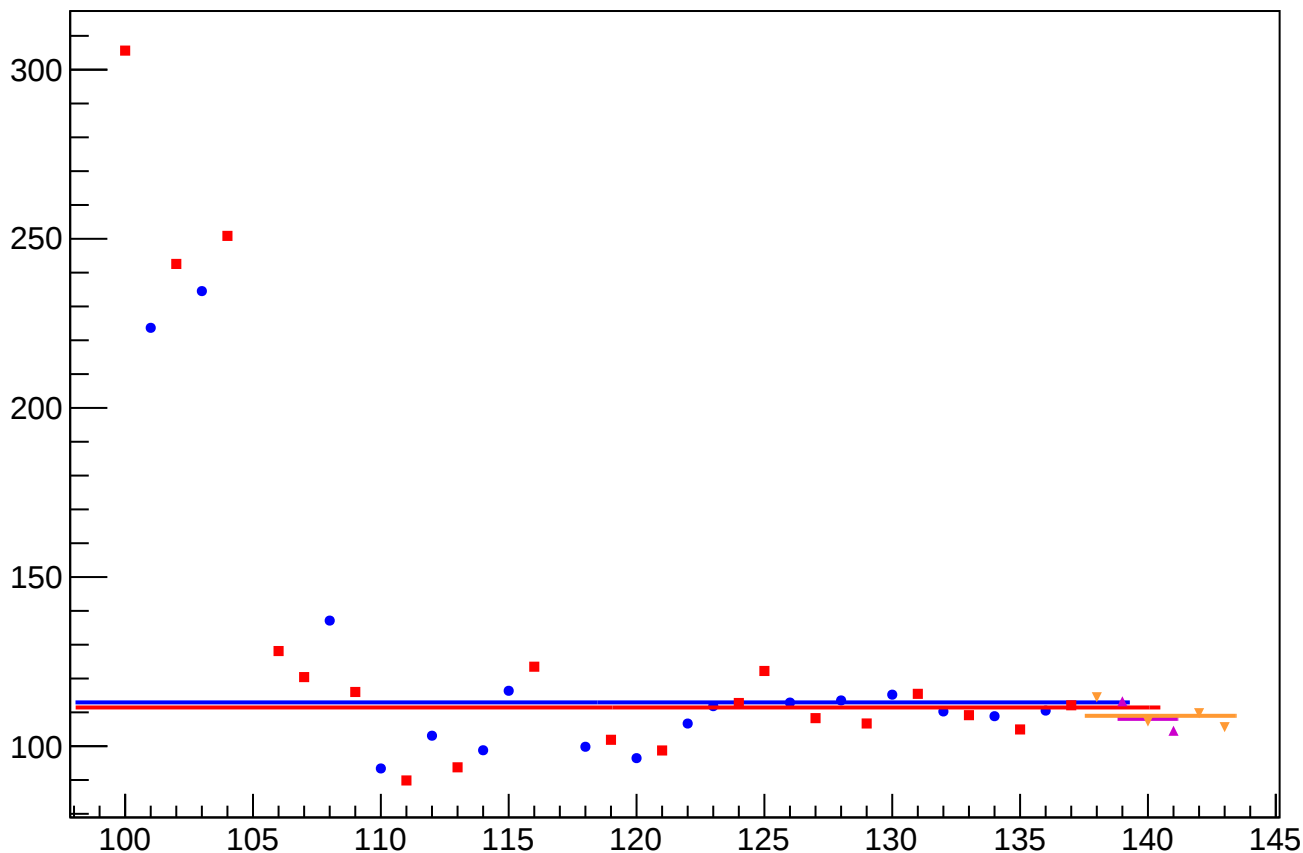
Left In: 2517.322 ± 89.418 $\chi^2/\text{NDF}: 1613.6/1$

+ sign -3803.239 ± 38.289 $\chi^2/\text{NDF}: 32678.2/20$

All: -1162.012 ± 27.587 $\chi^2/\text{NDF}: 53018.0/41$

- sign 1689.245 ± 39.782 $\chi^2/\text{NDF}: 10444.5/20$

asym_bpm2i02WS_rms vs Slug



Right In: 112.944 $\pm$ 0.033 χ^2 /NDF: 680438.6/16

Left Out: 108.978 $\pm$ 0.048 χ^2 /NDF: 5196.4/3

Right Out: 111.444 $\pm$ 0.031 χ^2 /NDF: 764132.1/18

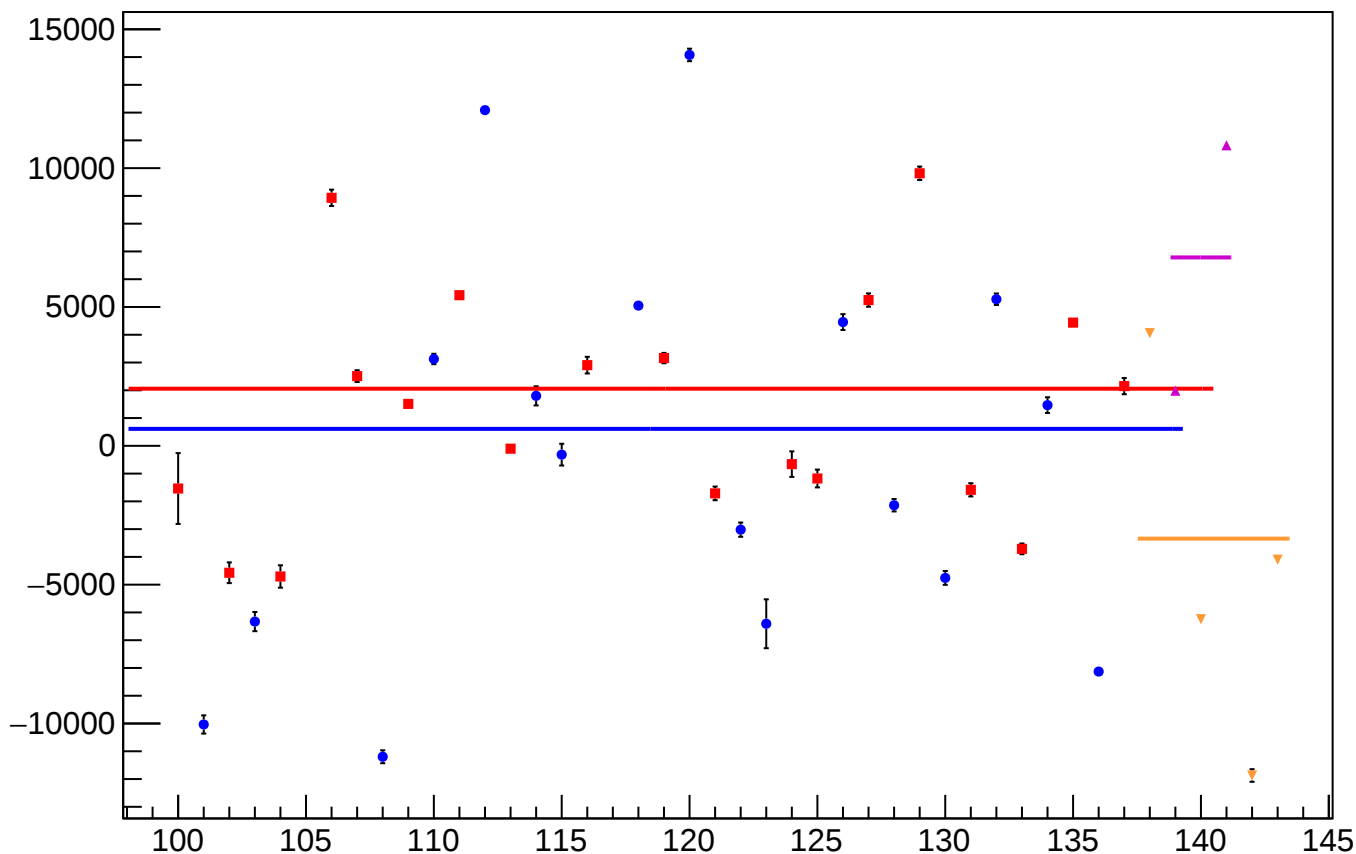
Left In: 108.072 $\pm$ 0.063 χ^2 /NDF: 4564.4/1

+ sign 111.676 $\pm$ 0.027 χ^2 /NDF: 690300.6/20

All: 111.244 $\pm$ 0.020 χ^2 /NDF: 1461810.1/41

- sign 110.777 $\pm$ 0.028 χ^2 /NDF: 770978.4/20

asym_bpm0i01WS_mean vs Slug



Right In: 610.939+/-56.154 χ^2/NDF : 18248.2/16

Left Out: -3342.520+/-87.896 χ^2/NDF : 3890.5/3

Right Out: 2057.548+/-53.904 χ^2/NDF : 4649.5/18

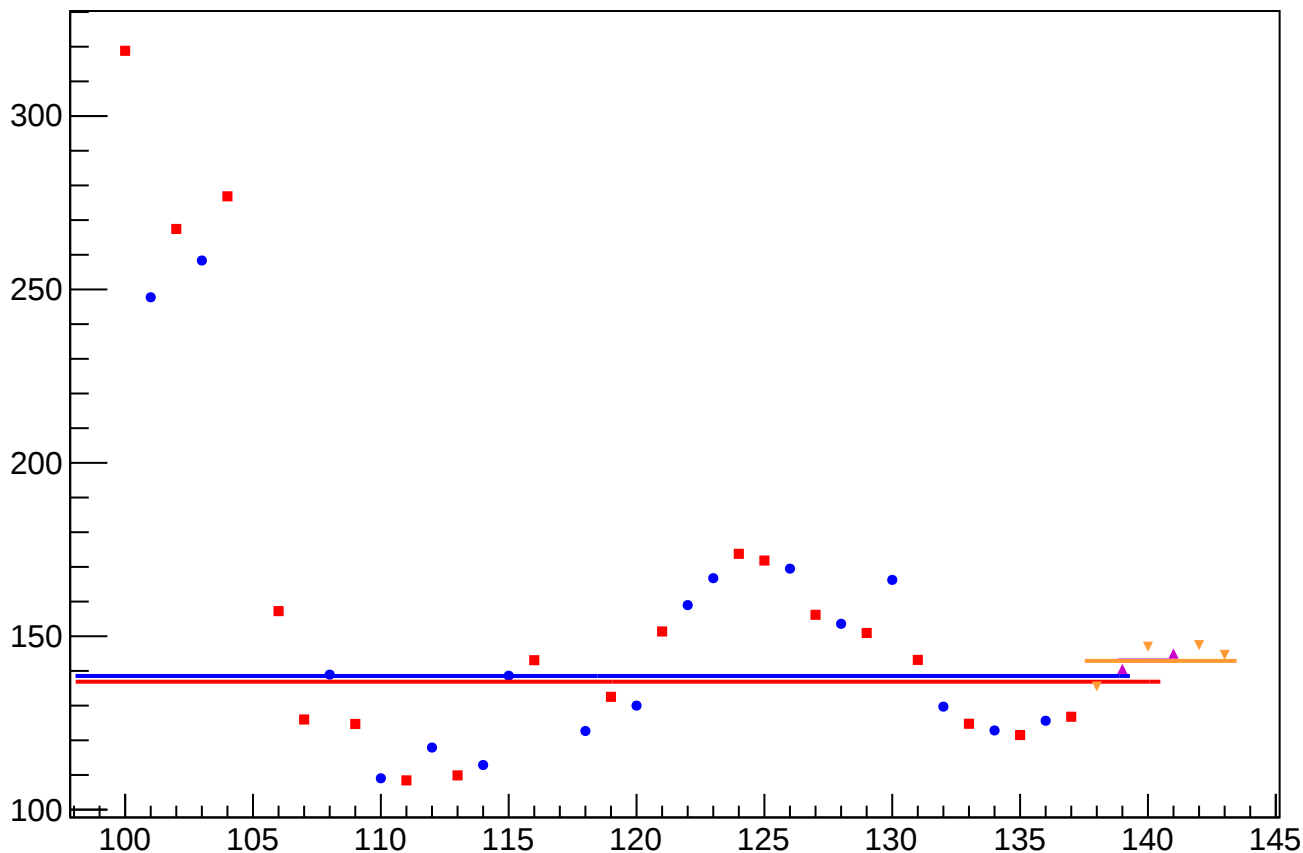
Left In: 6784.961+/-117.134 χ^2/NDF : 1413.1/1

+ sign -534.961+/-47.321 χ^2/NDF : 23575.5/20

All: 1115.944+/-34.028 χ^2/NDF : 33502.7/41

- sign 2883.736+/-48.968 χ^2/NDF : 7406.8/20

asym_bpm0i01WS_rms vs Slug



Right In: 138.549 $\pm$ 0.040 χ^2 /NDF: 667663.4/16

Left Out: 142.896 $\pm$ 0.062 χ^2 /NDF: 6494.5/3

Right Out: 136.895 $\pm$ 0.038 χ^2 /NDF: 751443.4/18

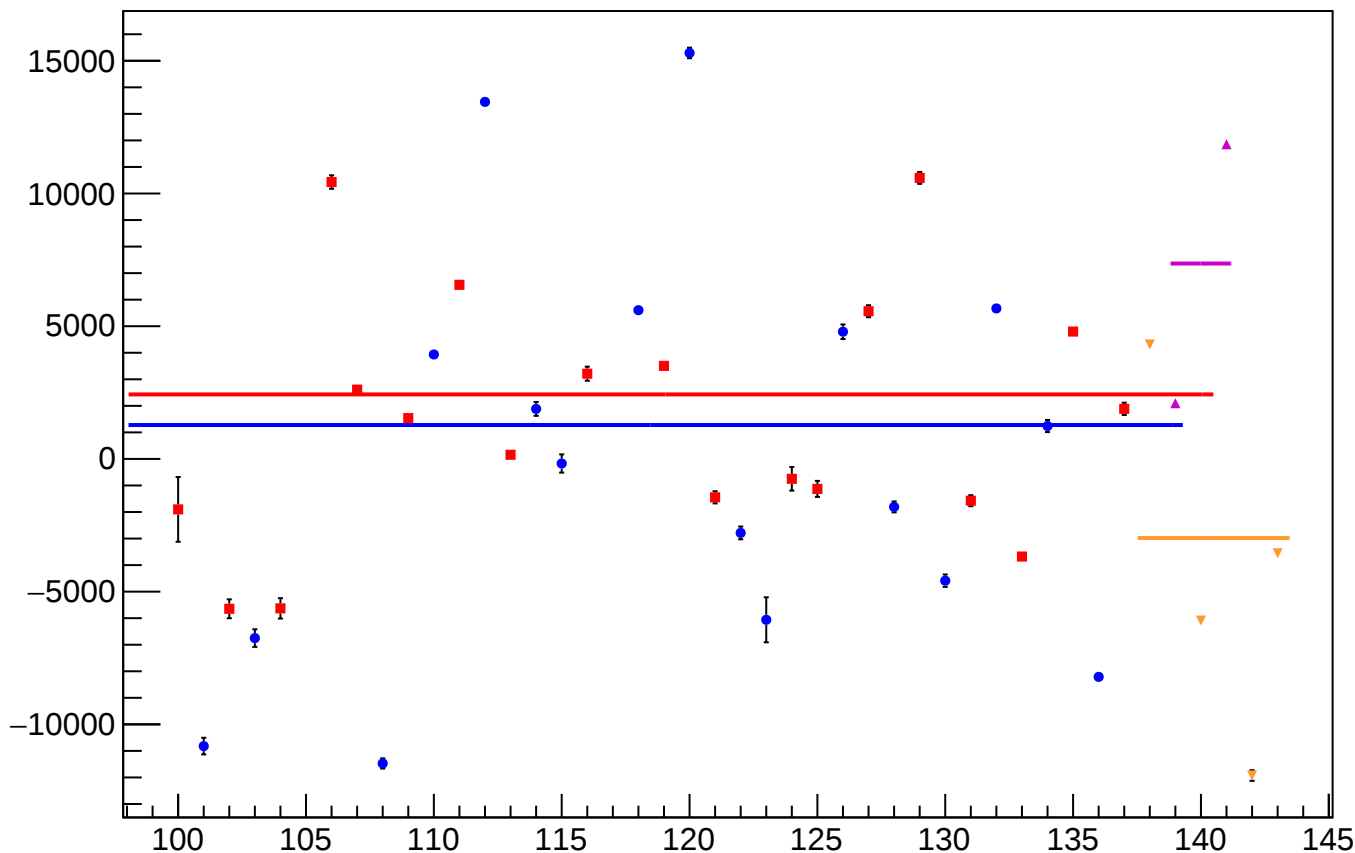
Left In: 143.014 $\pm$ 0.083 χ^2 /NDF: 712.7/1

+ sign 139.809 $\pm$ 0.033 χ^2 /NDF: 677630.8/20

All: 138.918 $\pm$ 0.024 χ^2 /NDF: 1435758.1/41

- sign 137.964 $\pm$ 0.035 χ^2 /NDF: 756659.8/20

asym_bpm0i01aWS_mean vs Slug



Right In: 1277.751+/-46.646 χ^2/NDF : 30549.2/16

Left Out: -2980.625+/-76.736 χ^2/NDF : 5310.8/3

Right Out: 2430.297+/-44.264 χ^2/NDF : 7696.9/18

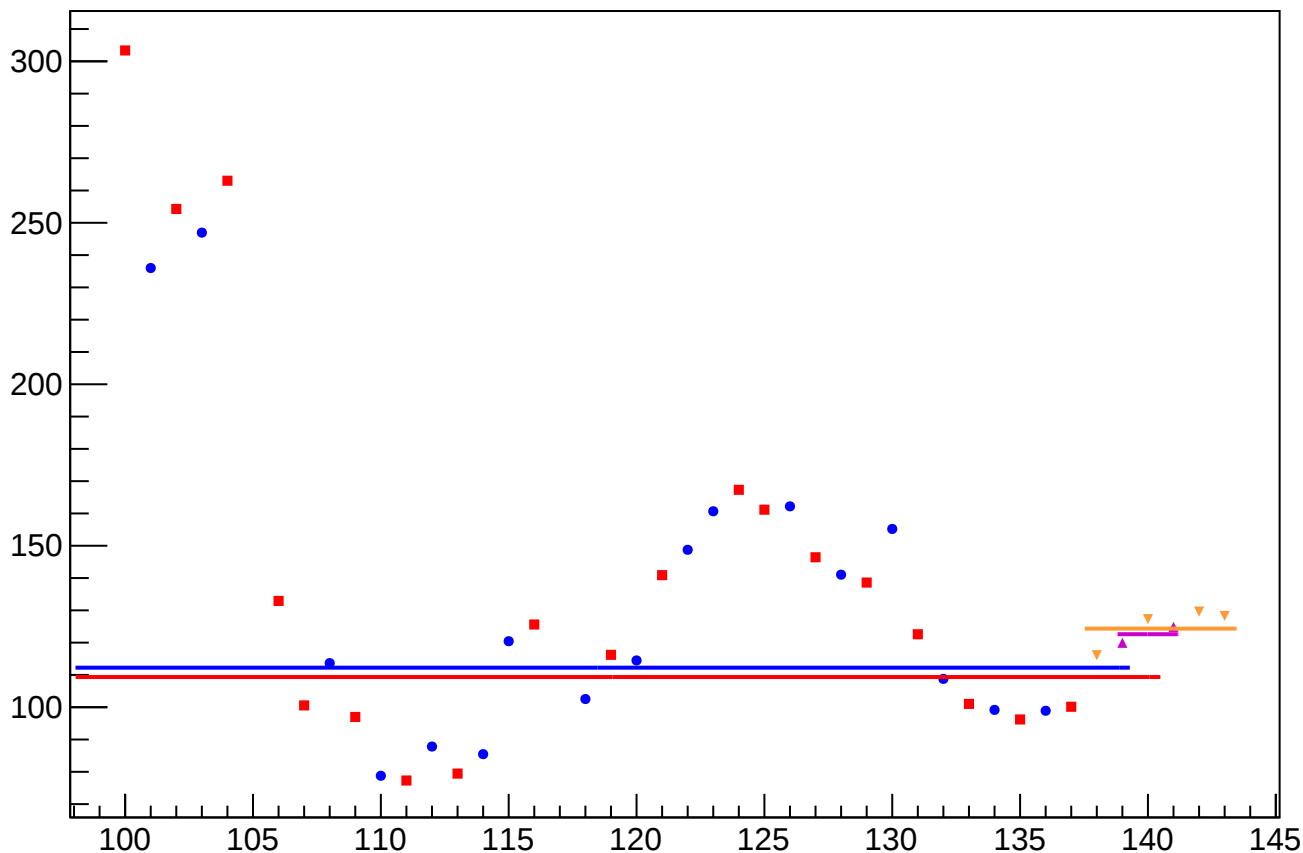
Left In: 7361.346+/-100.709 χ^2/NDF : 2331.5/1

+ sign 128.801+/-39.859 χ^2/NDF : 38108.6/20

All: 1653.147+/-28.417 χ^2/NDF : 53120.4/41

- sign 3228.673+/-40.523 χ^2/NDF : 12037.7/20

asym_bpm0i01aWS_rms vs Slug



Right In: 112.247 $\pm$ 0.033 χ^2 /NDF: 1123602.1/16

Left Out: 124.345 $\pm$ 0.054 χ^2 /NDF:10851.1/3

Right Out: 109.351 $\pm$ 0.031 χ^2 /NDF: 1263029.6/18

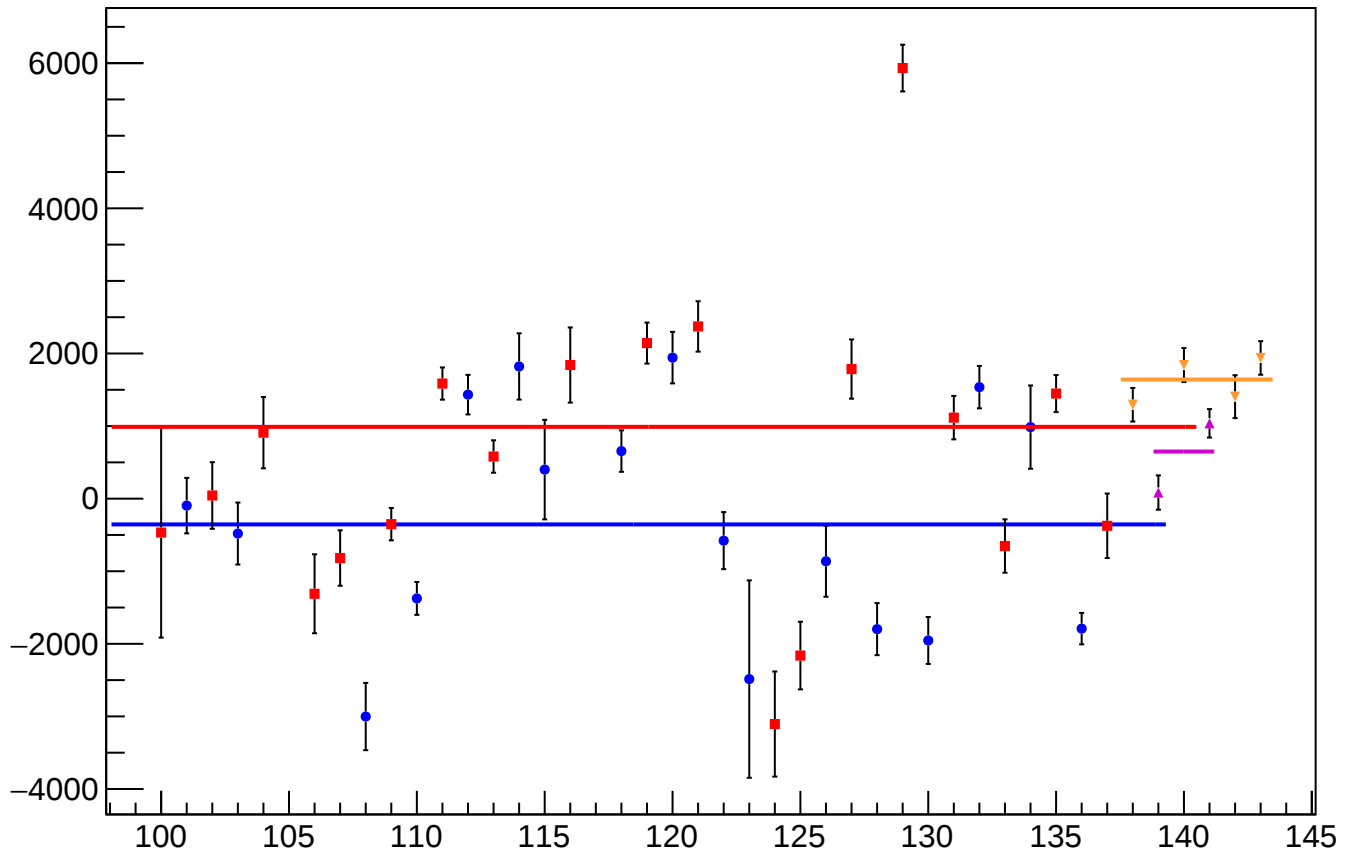
Left In: 122.610 $\pm$ 0.071 χ^2 /NDF:1188.0/1

+ sign 115.511 $\pm$ 0.028 χ^2 /NDF: 1170746.4/20

All: 113.538 $\pm$ 0.020 χ^2 /NDF: 2473992.8/41

- sign 111.498 $\pm$ 0.029 χ^2 /NDF: 1293273.9/20

asym_bpm0l01WS_mean vs Slug



Right In: -354.938 ± 84.016 χ^2/NDF : 310.6/16

Left Out: 1641.150 ± 122.172 χ^2/NDF : 5.3/3

Right Out: 989.192 ± 77.653 χ^2/NDF : 477.2/18

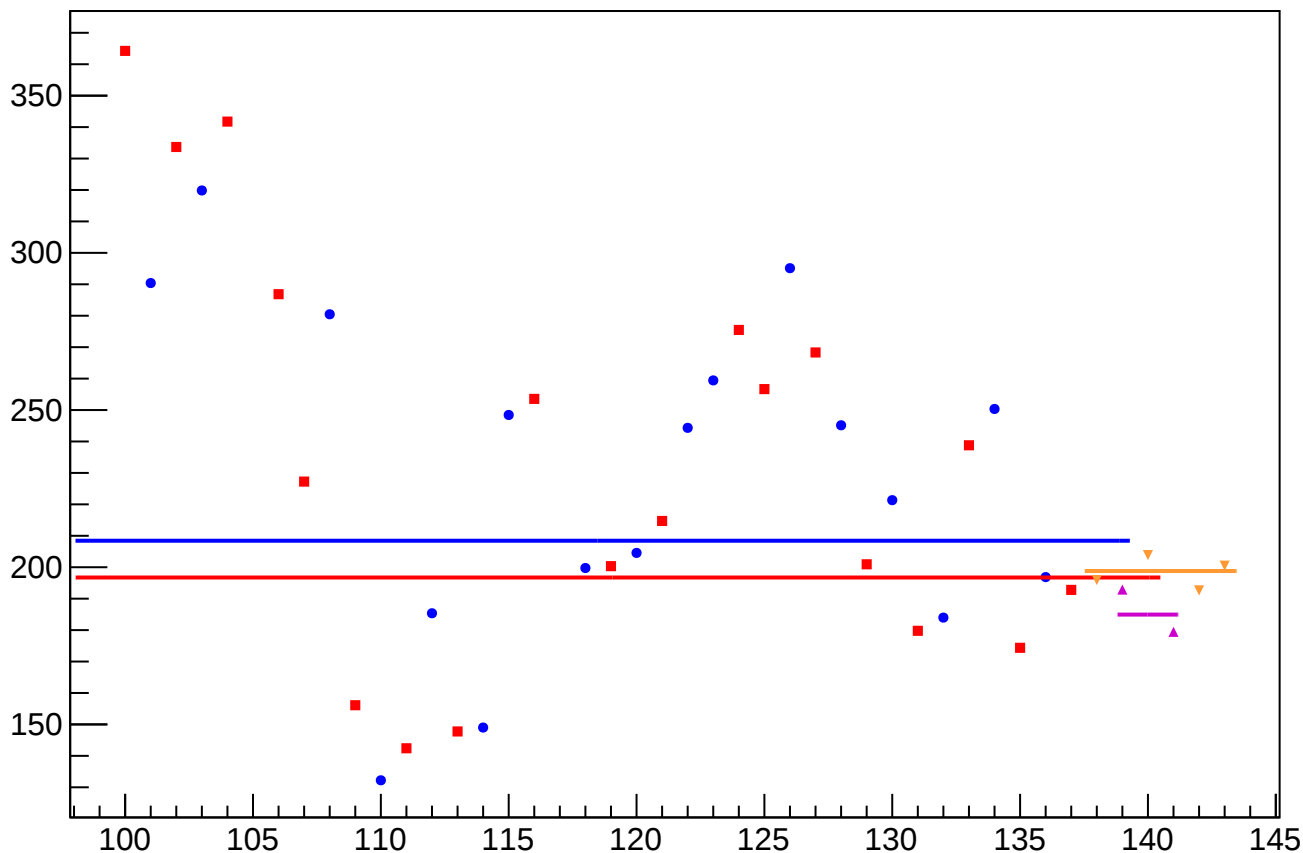
Left In: 648.793 ± 150.976 χ^2/NDF : 9.6/1

+ sign 285.948 ± 69.226 χ^2/NDF : 497.1/20

All: 602.751 ± 48.889 χ^2/NDF : 1029.7/41

- sign 917.980 ± 69.054 χ^2/NDF : 490.8/20

asym_bpm0l01WS_rms vs Slug



Right In: 208.429 $\pm$ 0.059 χ^2 /NDF: 696957.4/16

Left Out: 198.797 $\pm$ 0.086 χ^2 /NDF:2220.1/3

Right Out: 196.731 $\pm$ 0.055 χ^2 /NDF: 925461.3/18

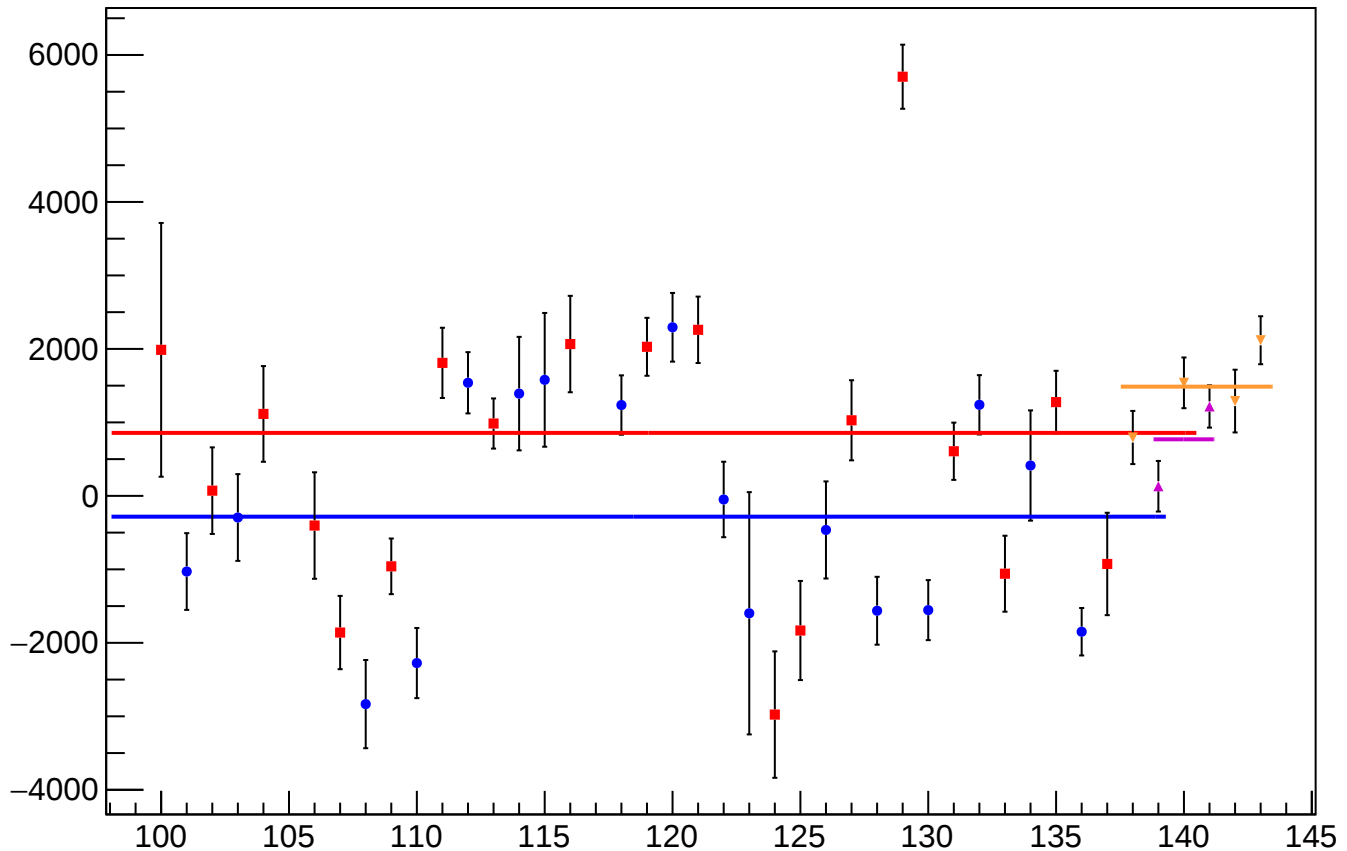
Left In: 184.936 $\pm$ 0.107 χ^2 /NDF:3829.1/1

+ sign 205.336 $\pm$ 0.049 χ^2 /NDF: 707618.3/20

All: 199.786 $\pm$ 0.035 χ^2 /NDF: 1672212.3/41

- sign 194.263 $\pm$ 0.049 χ^2 /NDF: 938943.6/20

asym_bpm0l02WS_mean vs Slug



Right In: -283.146 ± 121.564 $\chi^2/\text{NDF}: 166.9/16$

Left Out: 1486.304 ± 179.865 $\chi^2/\text{NDF}: 7.6/3$

Right Out: 857.162 ± 115.341 $\chi^2/\text{NDF}: 265.0/18$

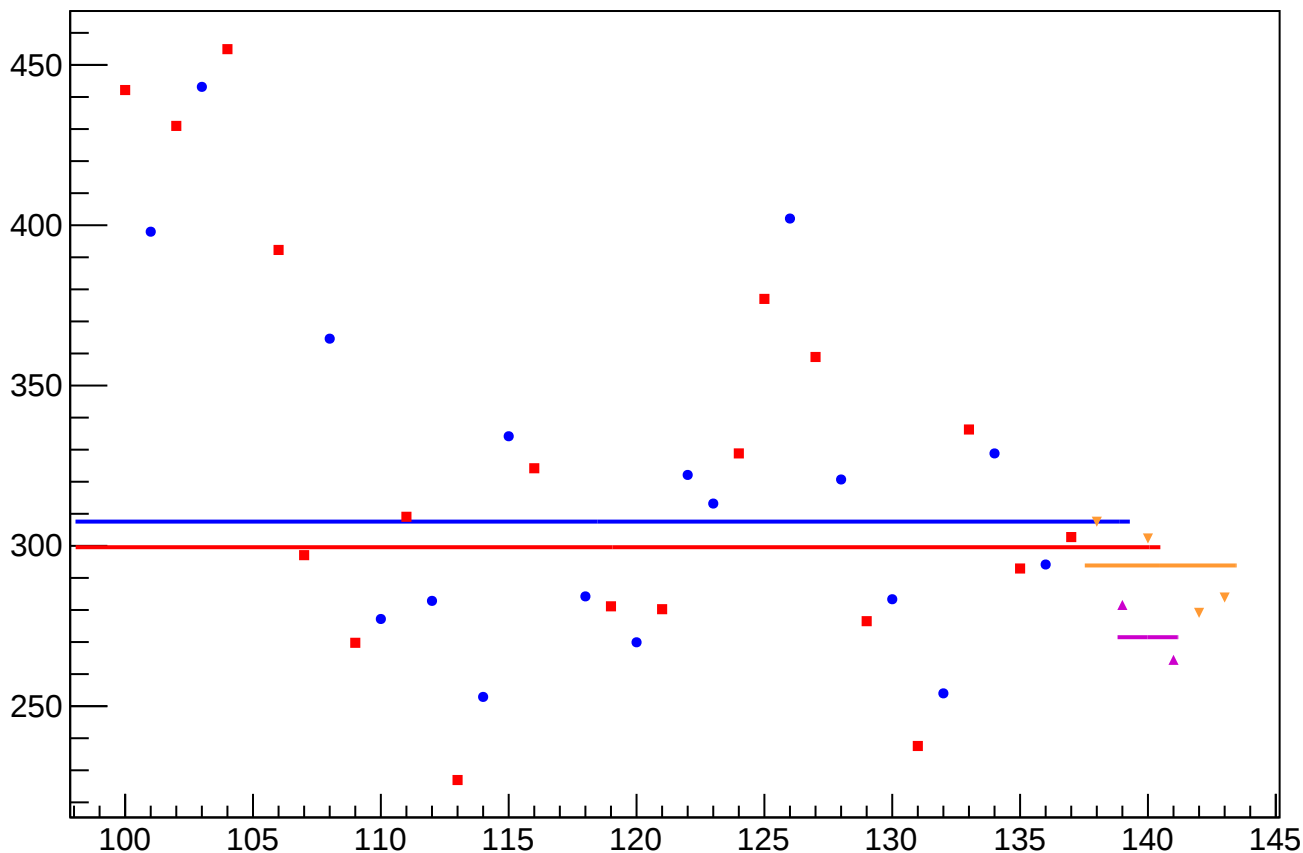
Left In: 769.538 ± 221.135 $\chi^2/\text{NDF}: 5.8/1$

+ sign 271.679 ± 100.718 $\chi^2/\text{NDF}: 241.0/20$

All: 550.727 ± 71.759 $\chi^2/\text{NDF}: 527.6/41$

- sign 838.422 ± 102.266 $\chi^2/\text{NDF}: 271.0/20$

asym_bpm0l02WS_rms vs Slug



Right In: 307.566 ± 0.086 χ^2/NDF : 321522.0/16

Left Out: 293.883 ± 0.127 χ^2/NDF : 8309.9/3

Right Out: 299.577 ± 0.082 χ^2/NDF : 493549.3/18

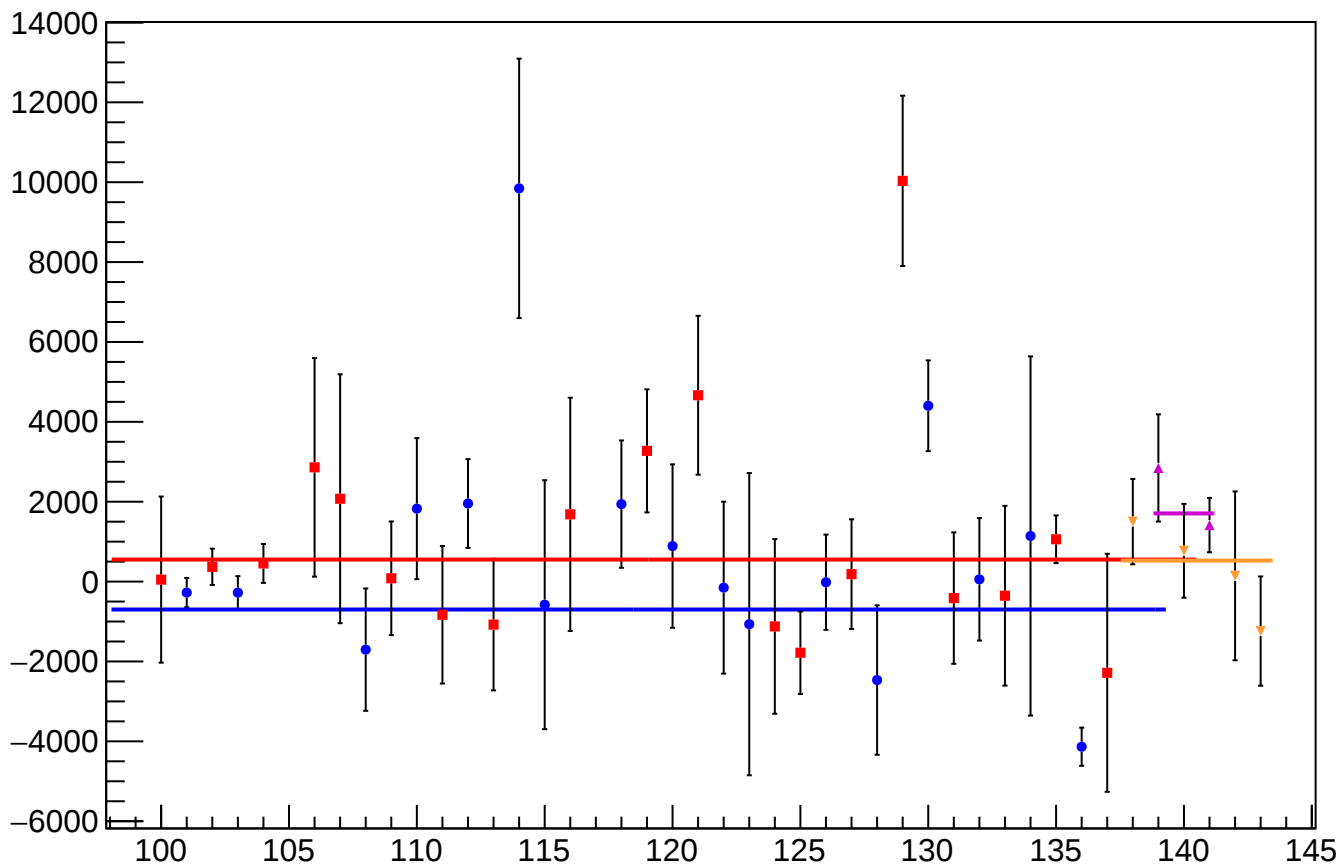
Left In: 271.511 ± 0.156 χ^2/NDF : 2905.0/1

+ sign 303.276 ± 0.071 χ^2/NDF : 337777.3/20

All: 298.499 ± 0.051 χ^2/NDF : 868694.7/41

- sign 293.574 ± 0.072 χ^2/NDF : 521780.9/20

asym_bpm0l03WS_mean vs Slug



Right In: -699.406+/-210.504 χ^2/NDF : 97.9/16

Left Out: 526.824+/-651.178 χ^2/NDF : 2.6/3

Right Out: 551.457+/-243.420 χ^2/NDF : 38.1/18

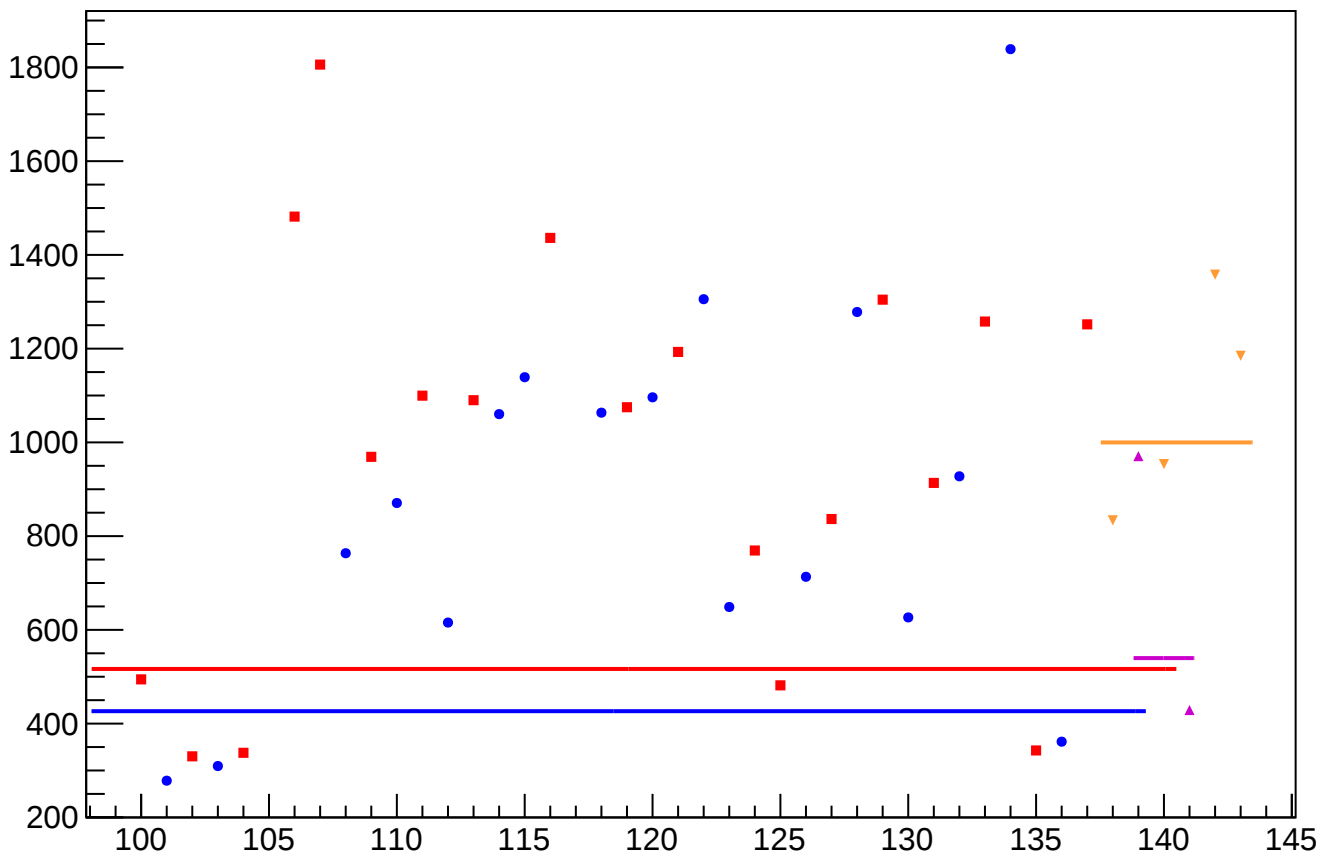
Left In: 1706.979+/-606.977 χ^2/NDF : 0.9/1

+ sign -583.388+/-200.298 χ^2/NDF : 103.7/20

All: -13.508+/-149.878 χ^2/NDF : 164.2/41

- sign 711.552+/-225.929 χ^2/NDF : 42.2/20

asym_bpm0l03WS_rms vs Slug



Right In: 426.522+/-0.149 χ^2/NDF : 2863074.2/16

Left Out: 999.895+/-0.460 χ^2/NDF : 145380.9/3

Right Out: 516.598+/-0.172 χ^2/NDF : 3598022.9/18

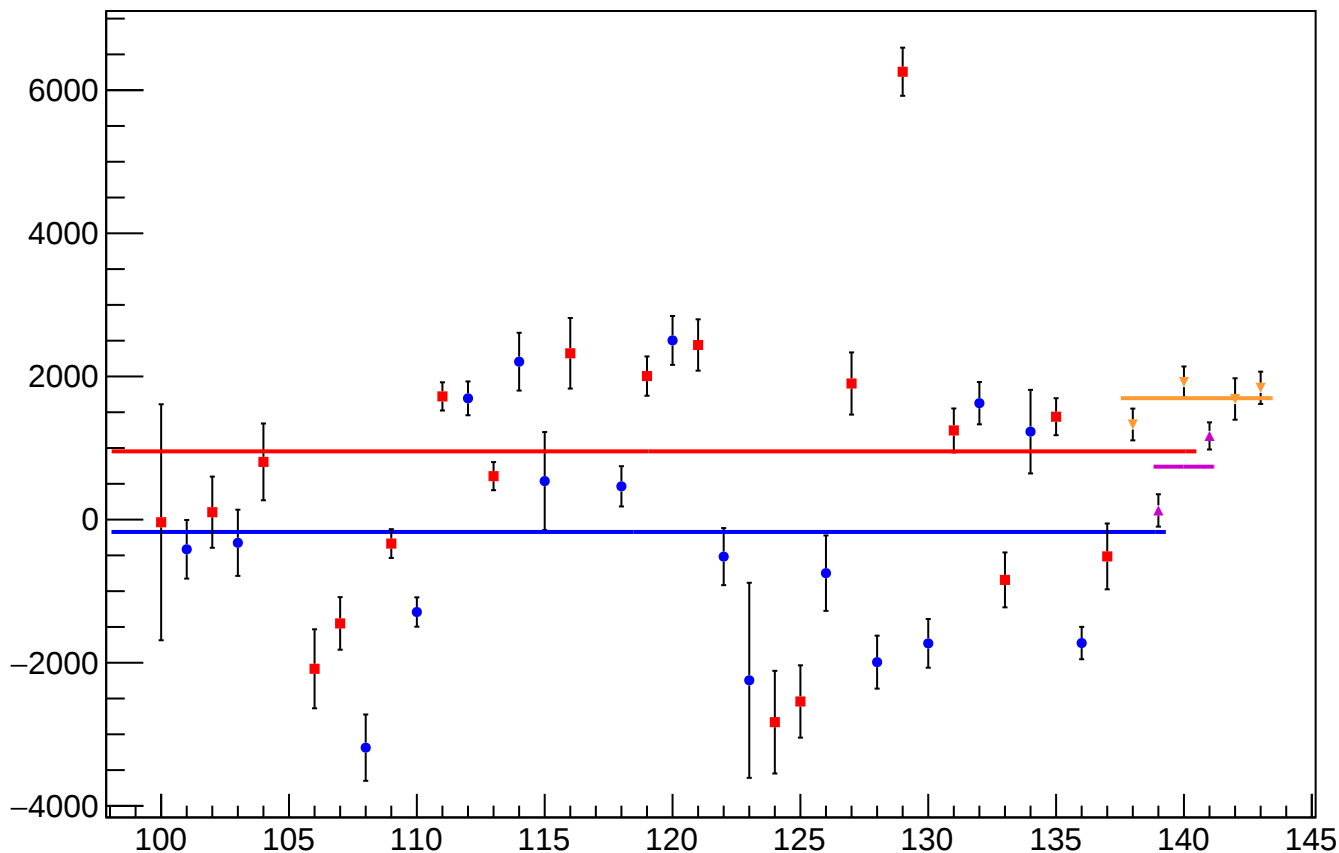
Left In: 539.776+/-0.429 χ^2/NDF : 259247.9/1

+ sign 480.771+/-0.142 χ^2/NDF : 4412364.2/20

All: 497.951+/-0.106 χ^2/NDF : 8305582.3/41

- sign 519.809+/-0.160 χ^2/NDF : 3859783.1/20

asym_bpm0l04WS_mean vs Slug



Right In: -172.521 ± 82.544 χ^2/NDF : 376.5/16

Left Out: 1696.457 ± 117.068 χ^2/NDF : 4.2/3

Right Out: 953.457 ± 75.104 χ^2/NDF : 541.2/18

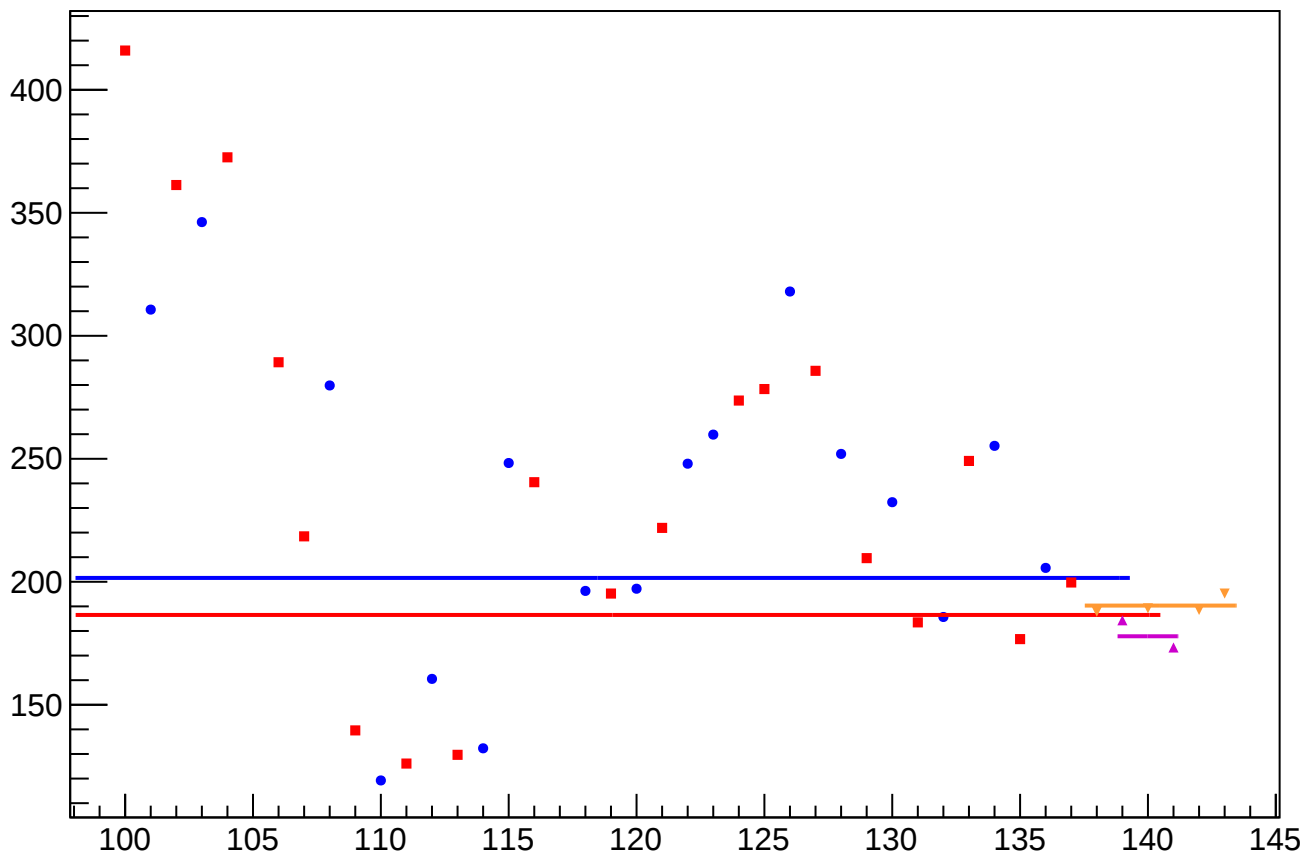
Left In: 739.555 ± 145.257 χ^2/NDF : 12.4/1

+ sign 448.107 ± 67.461 χ^2/NDF : 551.0/20

All: 680.784 ± 47.436 χ^2/NDF : 1129.9/41

- sign 908.337 ± 66.714 χ^2/NDF : 555.4/20

asym_bpm0l04WS_rms vs Slug



Right In: 201.572 +/- 0.058 χ^2/NDF : 1052330.1/16

Left Out: 190.330 +/- 0.083 χ^2/NDF : 1321.1/3

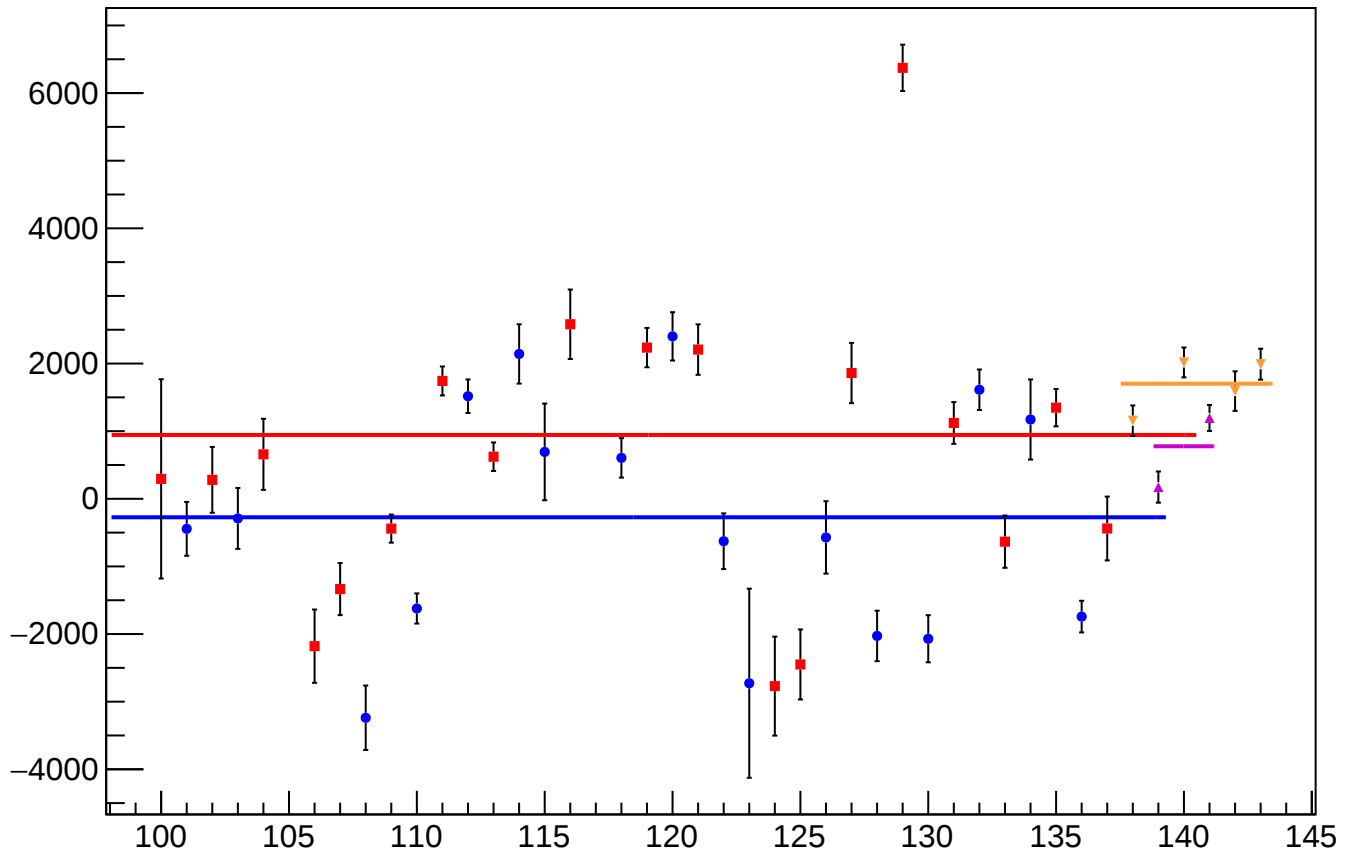
Right Out: 186.520 +/- 0.053 χ^2/NDF : 1388400.1/18

Left In: 177.851 +/- 0.103 χ^2/NDF : 2805.9/1

+ sign 197.839 +/- 0.048 χ^2/NDF : 1065968.7/20

All: 191.192 +/- 0.034 χ^2/NDF : 2501202.3/41

- sign 184.691 +/- 0.047 χ^2/NDF : 1396827.2/20



Right In: -273.296 ± 85.630 χ^2/NDF : 362.8/16

Left Out: 1702.165 ± 118.852 χ^2/NDF : 9.6/3

Right Out: 944.335 ± 78.399 χ^2/NDF : 524.4/18

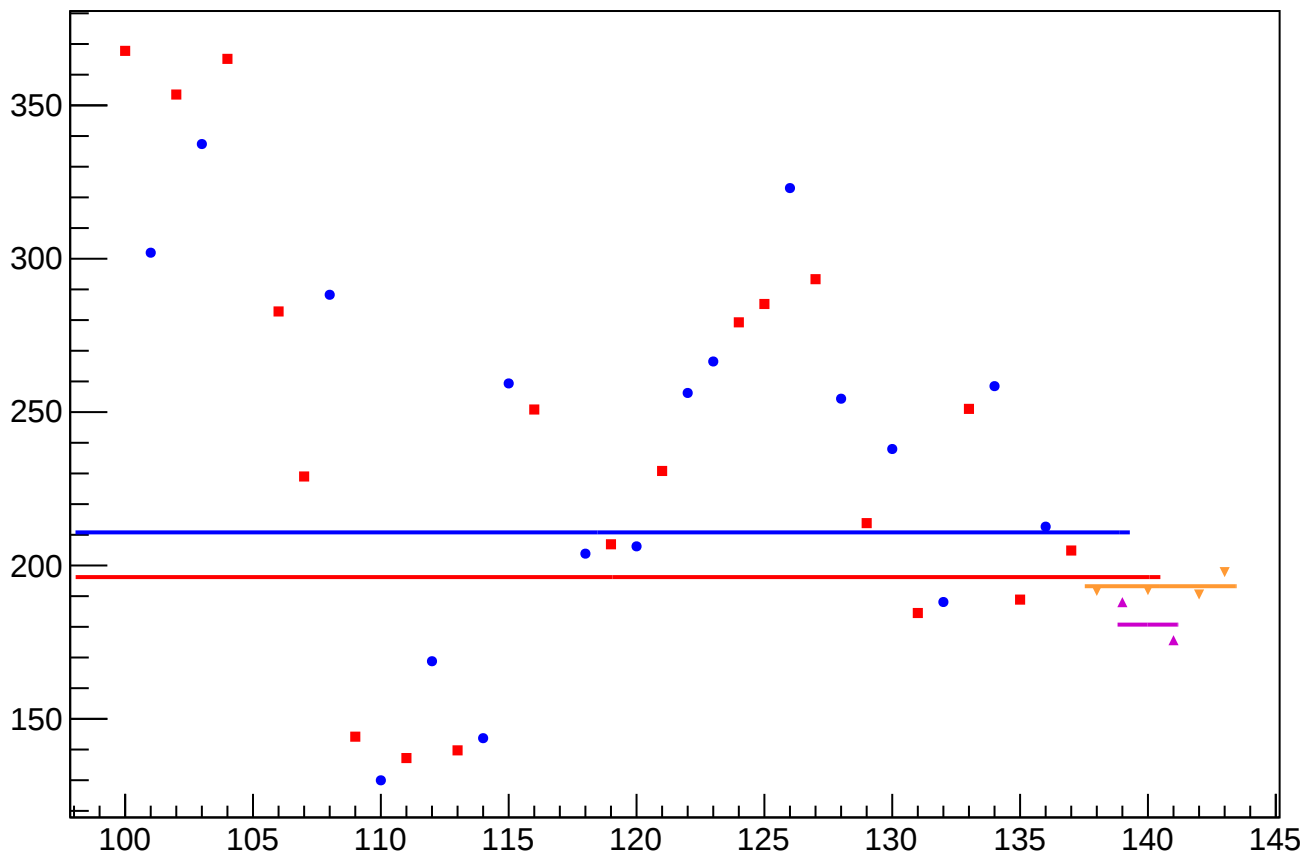
Left In: 776.840 ± 147.571 χ^2/NDF : 11.6/1

+ sign 401.736 ± 69.476 χ^2/NDF : 554.2/20

All: 655.481 ± 49.041 χ^2/NDF : 1117.8/41

- sign 907.467 ± 69.235 χ^2/NDF : 537.0/20

asym_bpm0l05WS_rms vs Slug



Right In: 210.791 ± 0.061 $\chi^2/\text{NDF}: 873120.0/16$

Left Out: 193.240 ± 0.084 $\chi^2/\text{NDF}: 1137.6/3$

Right Out: 196.216 ± 0.055 $\chi^2/\text{NDF}: 1201600.7/18$

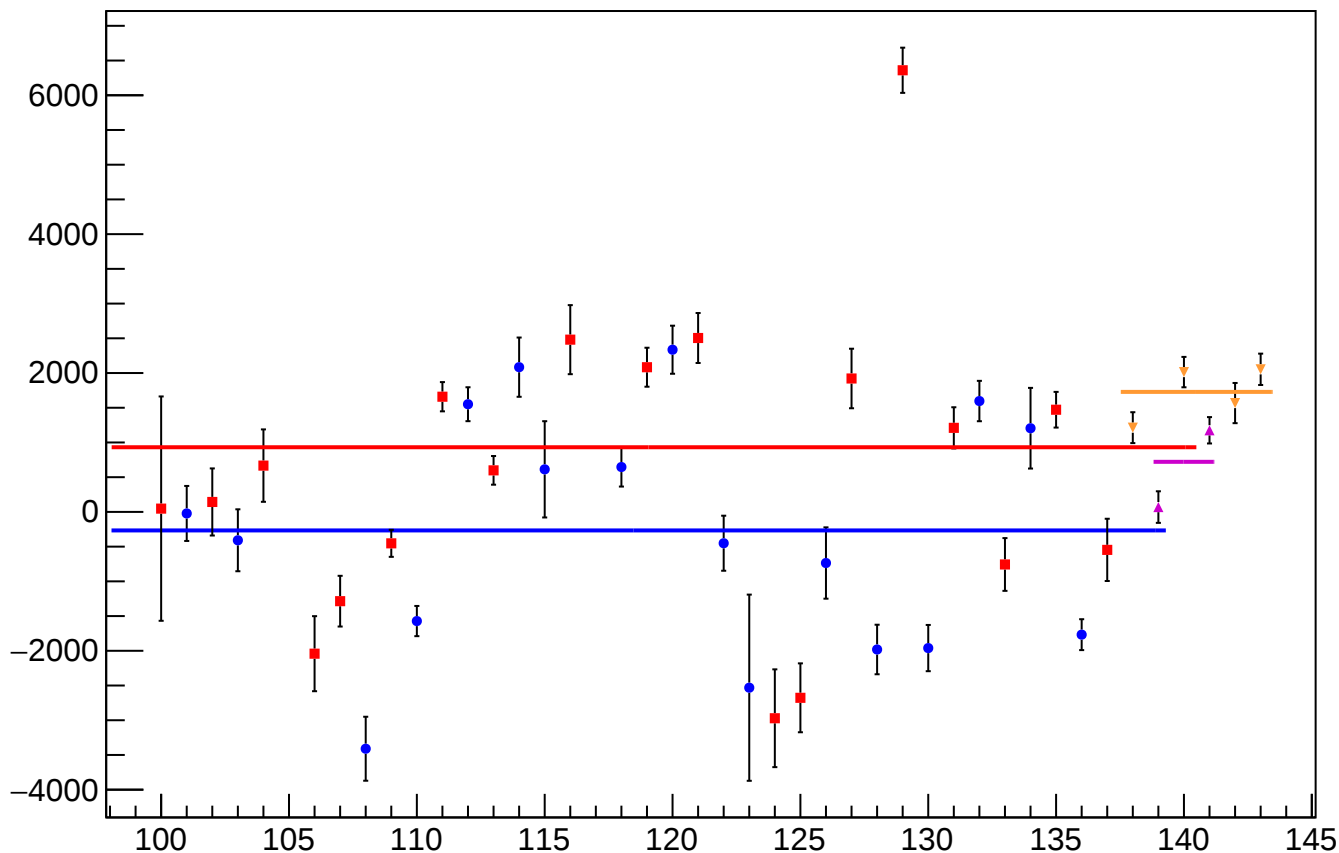
Left In: 180.721 ± 0.104 $\chi^2/\text{NDF}: 3417.4/1$

+ sign 204.794 ± 0.049 $\chi^2/\text{NDF}: 902967.2/20$

All: 198.779 ± 0.035 $\chi^2/\text{NDF}: 2155059.9/41$

- sign 192.806 ± 0.049 $\chi^2/\text{NDF}: 1222214.4/20$

asym_bpm0l06WS_mean vs Slug



Right In: -266.674 ± 82.997 χ^2/NDF : 383.4/16

Left Out: 1728.371 ± 117.316 χ^2/NDF : 9.4/3

Right Out: 931.196 ± 75.469 χ^2/NDF : 584.4/18

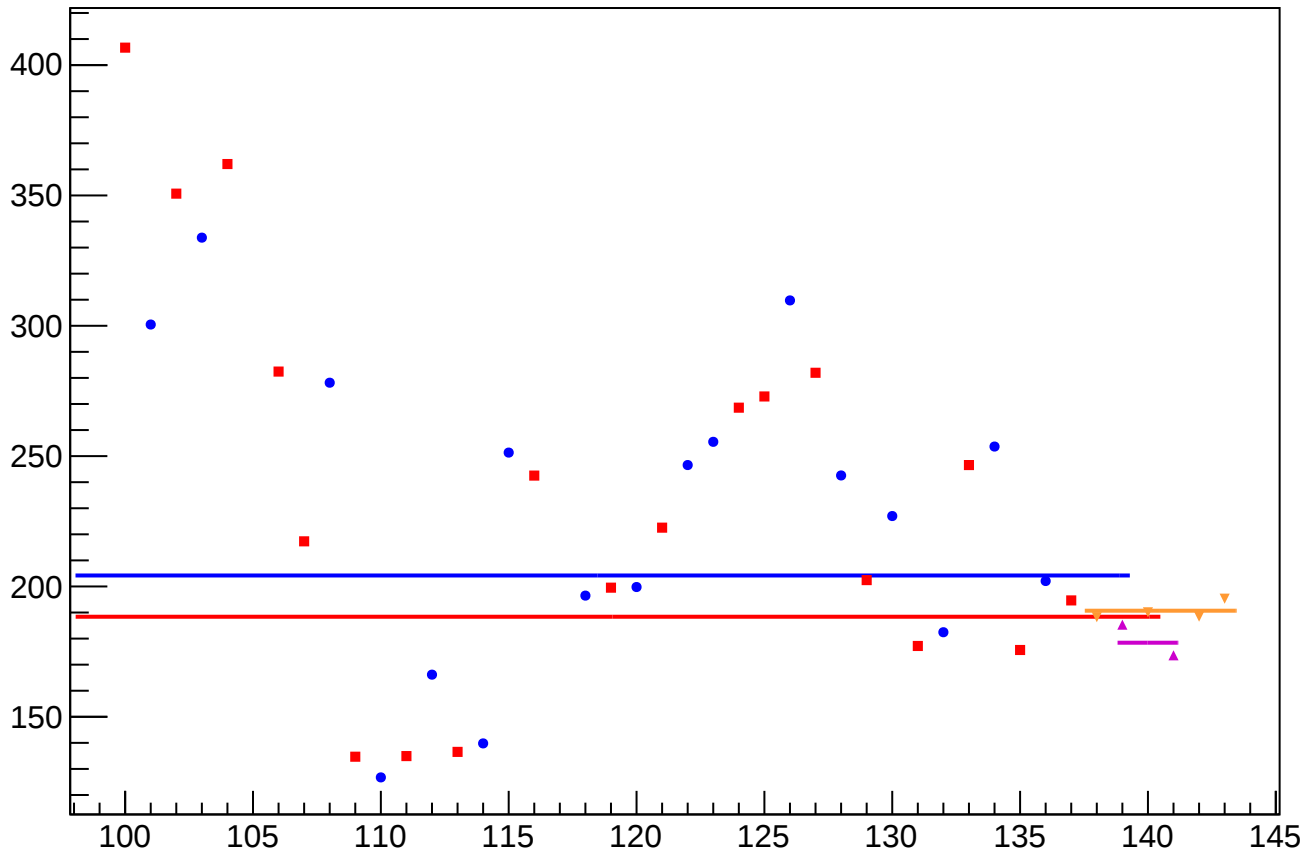
Left In: 721.276 ± 145.717 χ^2/NDF : 13.9/1

+ sign 398.788 ± 67.755 χ^2/NDF : 585.6/20

All: 645.474 ± 47.646 χ^2/NDF : 1211.8/41

- sign 886.797 ± 67.015 χ^2/NDF : 600.0/20

asym_bpm0l06WS_rms vs Slug



Right In: 204.211 $\pm$ 0.059 χ^2 /NDF: 866108.6/16

Left Out: 190.698 $\pm$ 0.083 χ^2 /NDF:1225.7/3

Right Out: 188.384 $\pm$ 0.053 χ^2 /NDF: 1247760.0/18

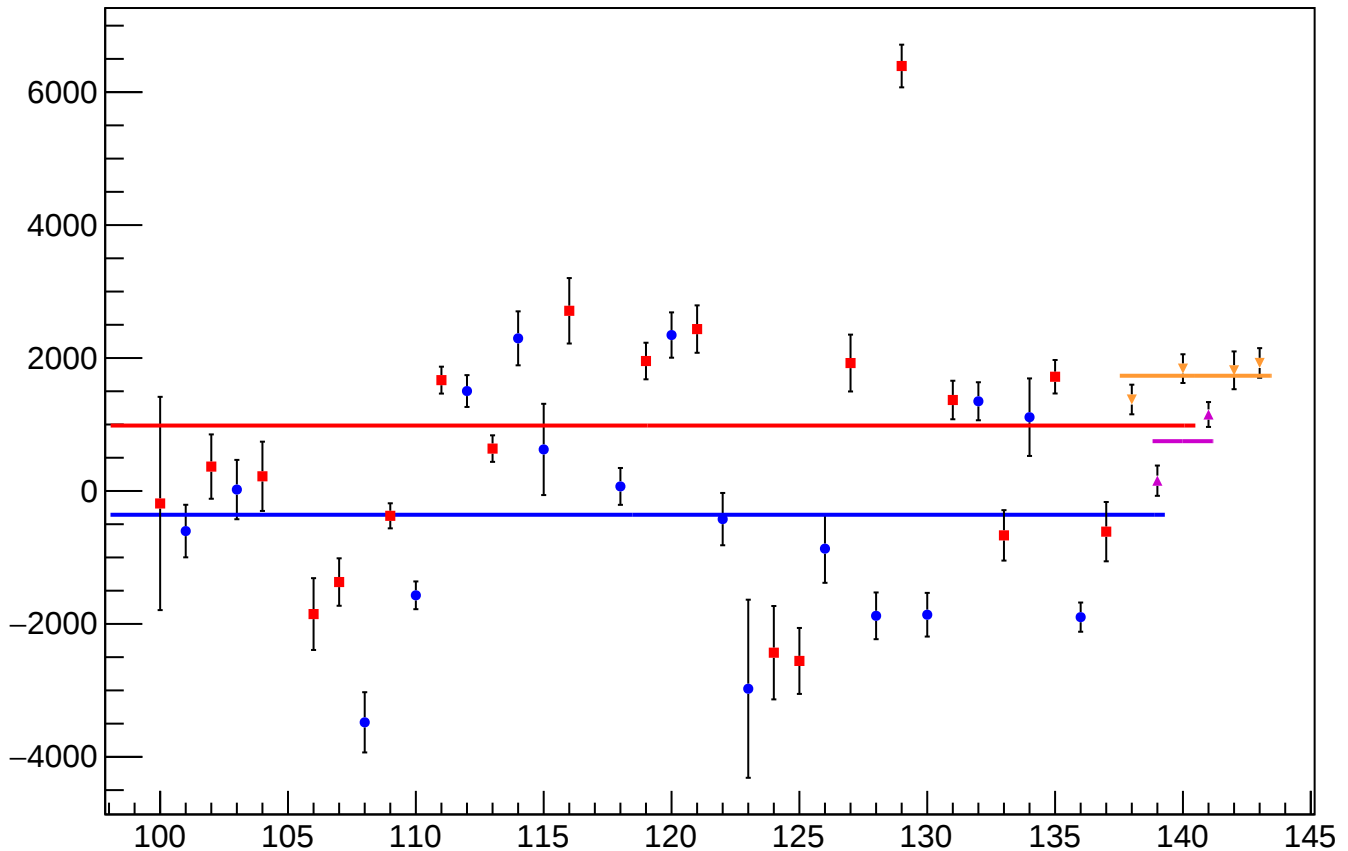
Left In: 178.416 $\pm$ 0.103 χ^2 /NDF:3152.2/1

+ sign 199.704 $\pm$ 0.048 χ^2 /NDF: 885018.7/20

All: 192.916 $\pm$ 0.034 χ^2 /NDF: 2183017.9/41

- sign 186.276 $\pm$ 0.047 χ^2 /NDF: 1258291.9/20

asym_bpm0l07WS_mean vs Slug



Right In: -357.821 ± 81.517 χ^2/NDF : 388.2/16

Left Out: 1733.510 ± 116.166 χ^2/NDF : 3.6/3

Right Out: 984.342 ± 73.851 χ^2/NDF : 588.2/18

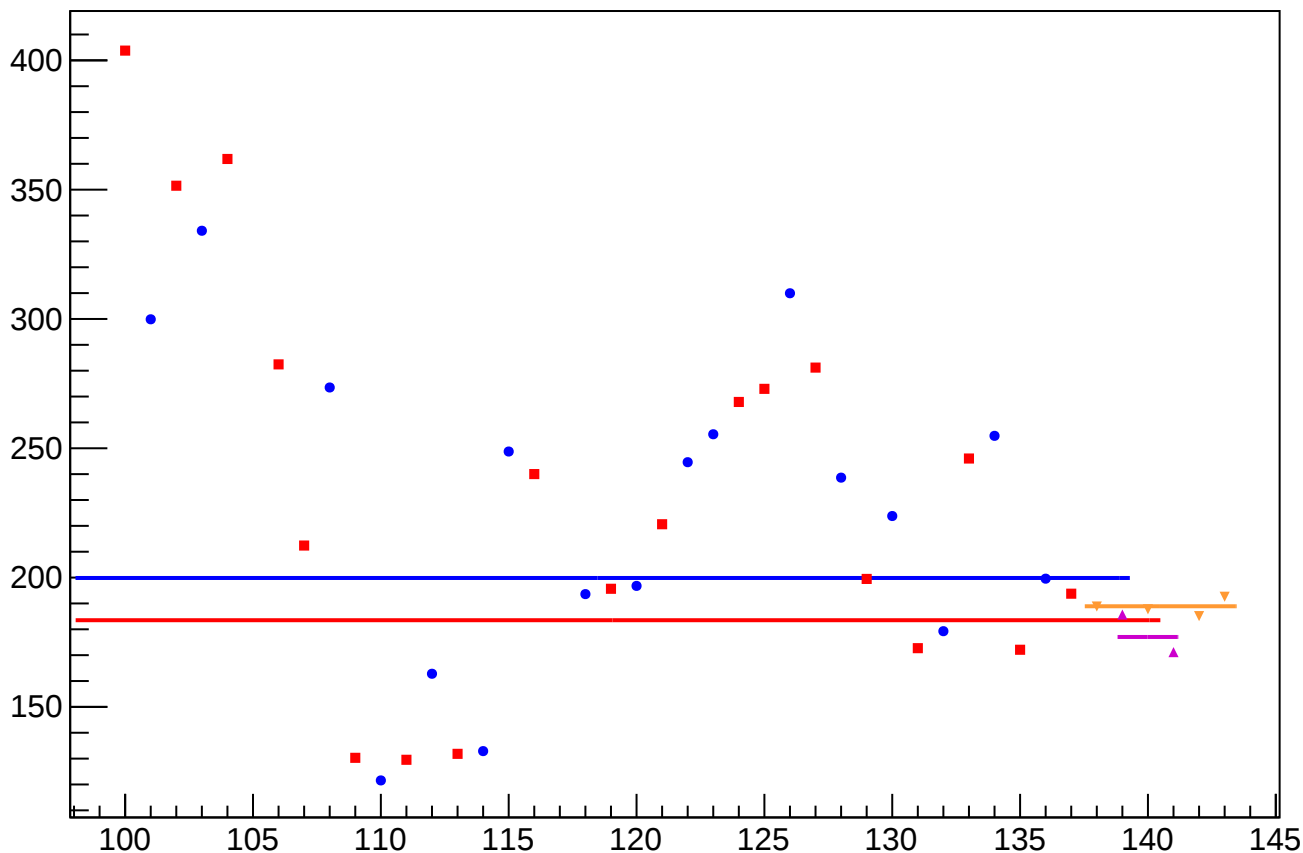
Left In: 749.199 ± 144.622 χ^2/NDF : 11.4/1

+ sign 332.213 ± 66.727 χ^2/NDF : 609.1/20

All: 638.310 ± 46.842 χ^2/NDF : 1252.3/41

- sign 935.707 ± 65.772 χ^2/NDF : 601.7/20

asym_bpm0l07WS_rms vs Slug



Right In: 199.847 $\pm$ 0.058 χ^2 /NDF: 940786.8/16

Left Out: 188.907 $\pm$ 0.082 χ^2 /NDF: 967.3/3

Right Out: 183.513 $\pm$ 0.052 χ^2 /NDF: 1345883.7/18

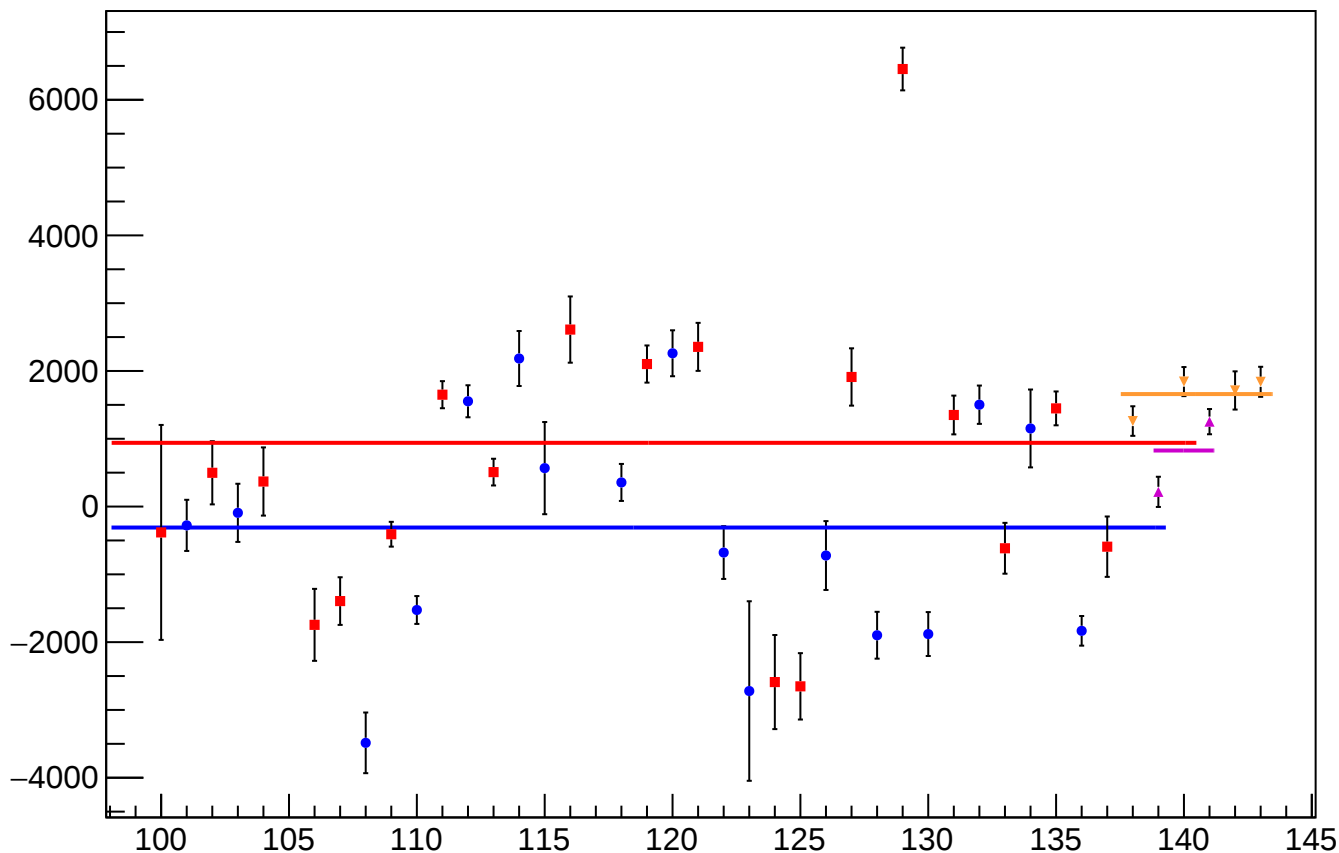
Left In: 177.035 $\pm$ 0.102 χ^2 /NDF: 4864.1/1

+ sign 196.237 $\pm$ 0.047 χ^2 /NDF: 953640.5/20

All: 189.104 $\pm$ 0.033 χ^2 /NDF: 2352634.4/41

- sign 182.173 $\pm$ 0.047 χ^2 /NDF: 1353930.5/20

asym_bpm0l08WS_mean vs Slug



Right In: -309.418 ± 80.357 χ^2/NDF : 396.4/16

Left Out: 1659.351 ± 114.902 χ^2/NDF : 4.8/3

Right Out: 940.123 ± 72.716 χ^2/NDF : 616.8/18

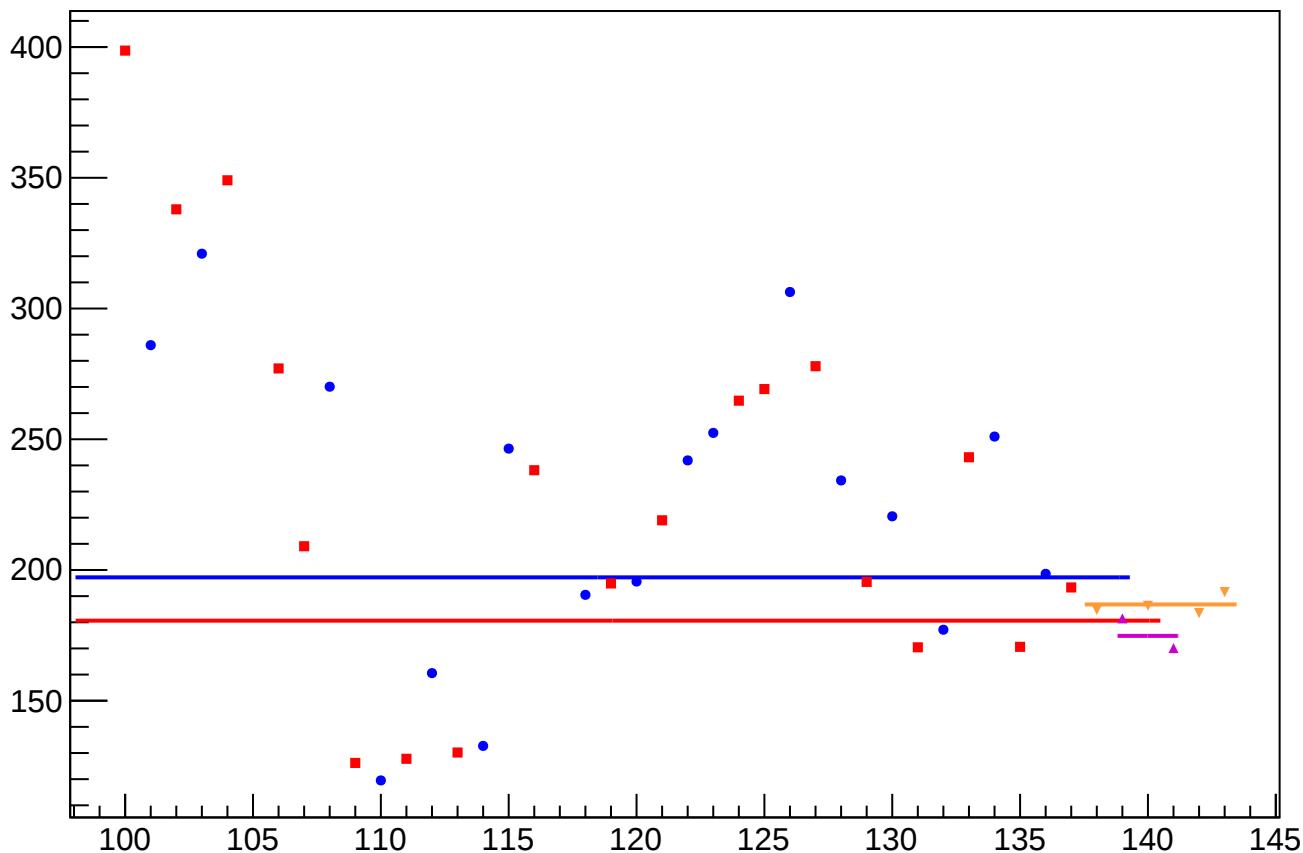
Left In: 826.728 ± 142.810 χ^2/NDF : 12.7/1

+ sign 337.224 ± 65.851 χ^2/NDF : 598.4/20

All: 631.664 ± 46.187 χ^2/NDF : 1267.8/41

- sign 916.776 ± 64.799 χ^2/NDF : 630.1/20

asym_bpm0l08WS_rms vs Slug



Right In: 197.185+/-0.057 χ^2/NDF : 909929.0/16

Left Out: 186.822+/-0.081 χ^2/NDF :1378.5/3

Right Out: 180.624+/-0.051 χ^2/NDF : 1341837.4/18

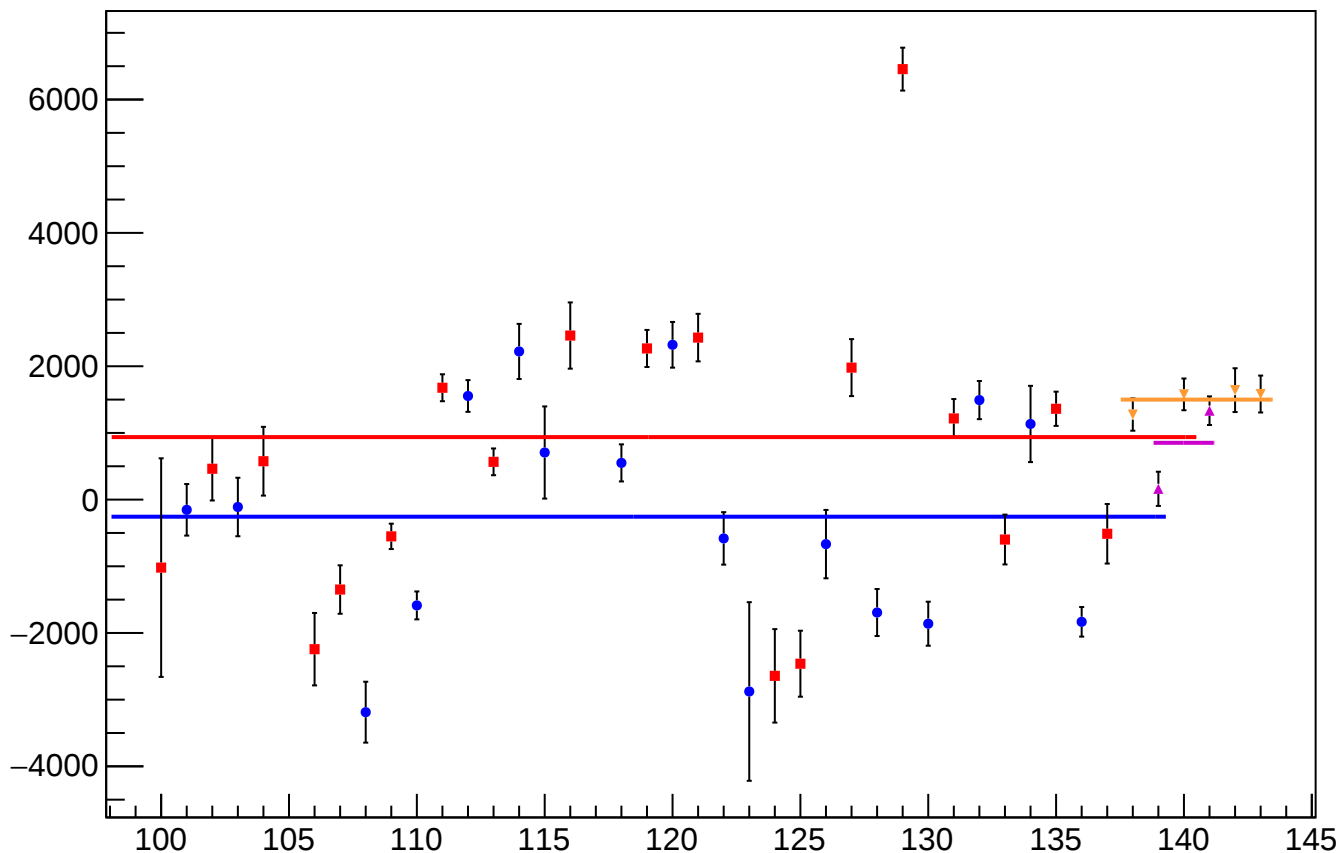
Left In: 174.805+/-0.101 χ^2/NDF :3063.1/1

+ sign 193.781+/-0.047 χ^2/NDF : 922232.2/20

All: 186.488+/-0.033 χ^2/NDF : 2318055.4/41

- sign 179.426+/-0.046 χ^2/NDF : 1347537.7/20

asym_bpm0l09WS_mean vs Slug



Right In: -256.429 ± 81.594 χ^2/NDF : 381.8/16

Left Out: 1499.768 ± 132.488 χ^2/NDF : 1.2/3

Right Out: 937.482 ± 74.168 χ^2/NDF : 609.1/18

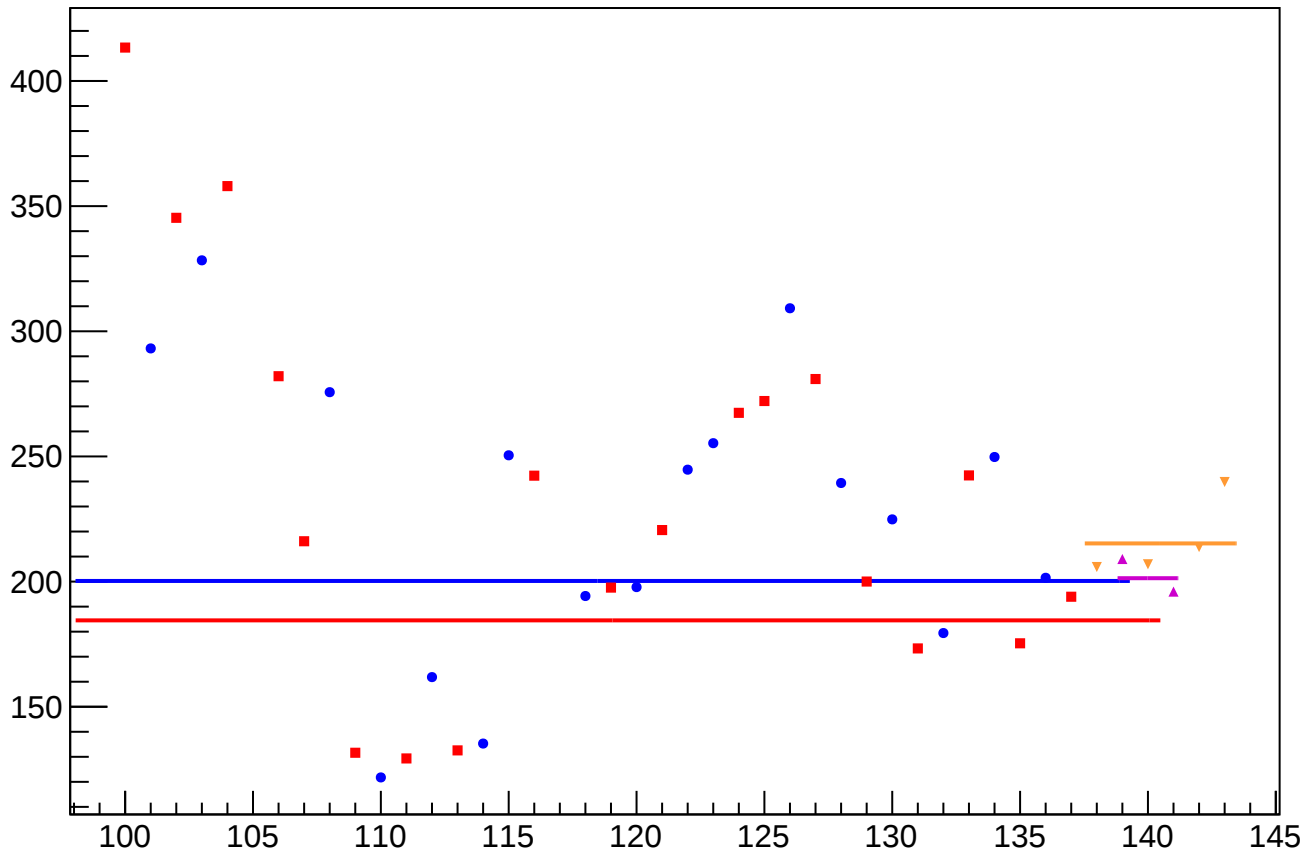
Left In: 851.712 ± 164.531 χ^2/NDF : 12.3/1

+ sign 226.499 ± 69.475 χ^2/NDF : 510.5/20

All: 584.193 ± 48.456 χ^2/NDF : 1183.6/41

- sign 922.996 ± 67.616 χ^2/NDF : 621.6/20

asym_bpm0l09WS_rms vs Slug



Right In: 200.256+/-0.058 χ^2/NDF : 915910.1/16

Left Out: 215.250+/-0.094 χ^2/NDF : 21235.1/3

Right Out: 184.510+/-0.052 χ^2/NDF : 1314720.9/18

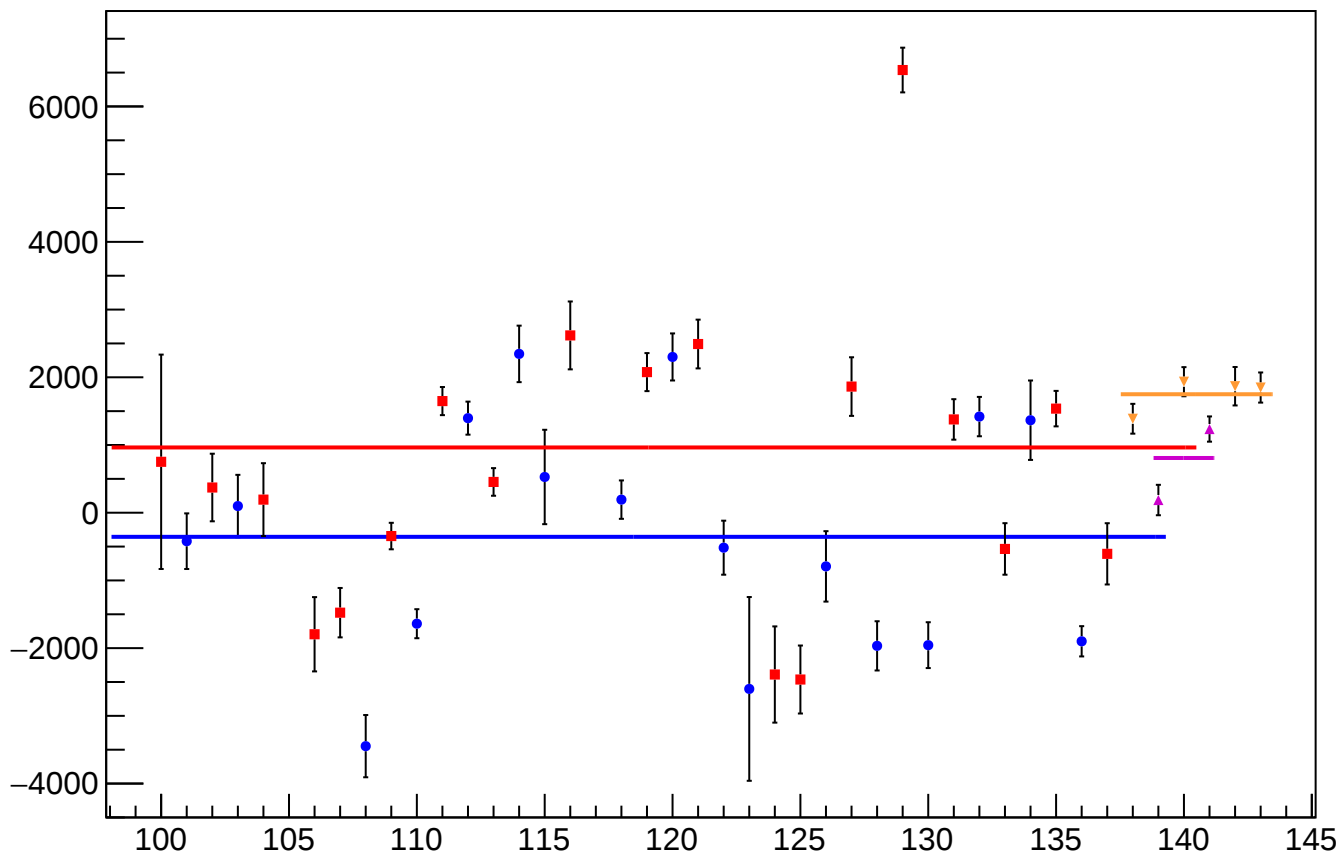
Left In: 201.357+/-0.116 χ^2/NDF : 3035.4/1

+ sign 204.379+/-0.049 χ^2/NDF : 955717.7/20

All: 195.636+/-0.034 χ^2/NDF : 2352574.4/41

- sign 187.355+/-0.048 χ^2/NDF : 1335185.1/20

asym_bpm0l10WS_mean vs Slug



Right In: -356.124 ± 83.321 χ^2/NDF : 378.6/16

Left Out: 1749.756 ± 115.588 χ^2/NDF : 3.8/3

Right Out: 963.743 ± 75.713 χ^2/NDF : 572.4/18

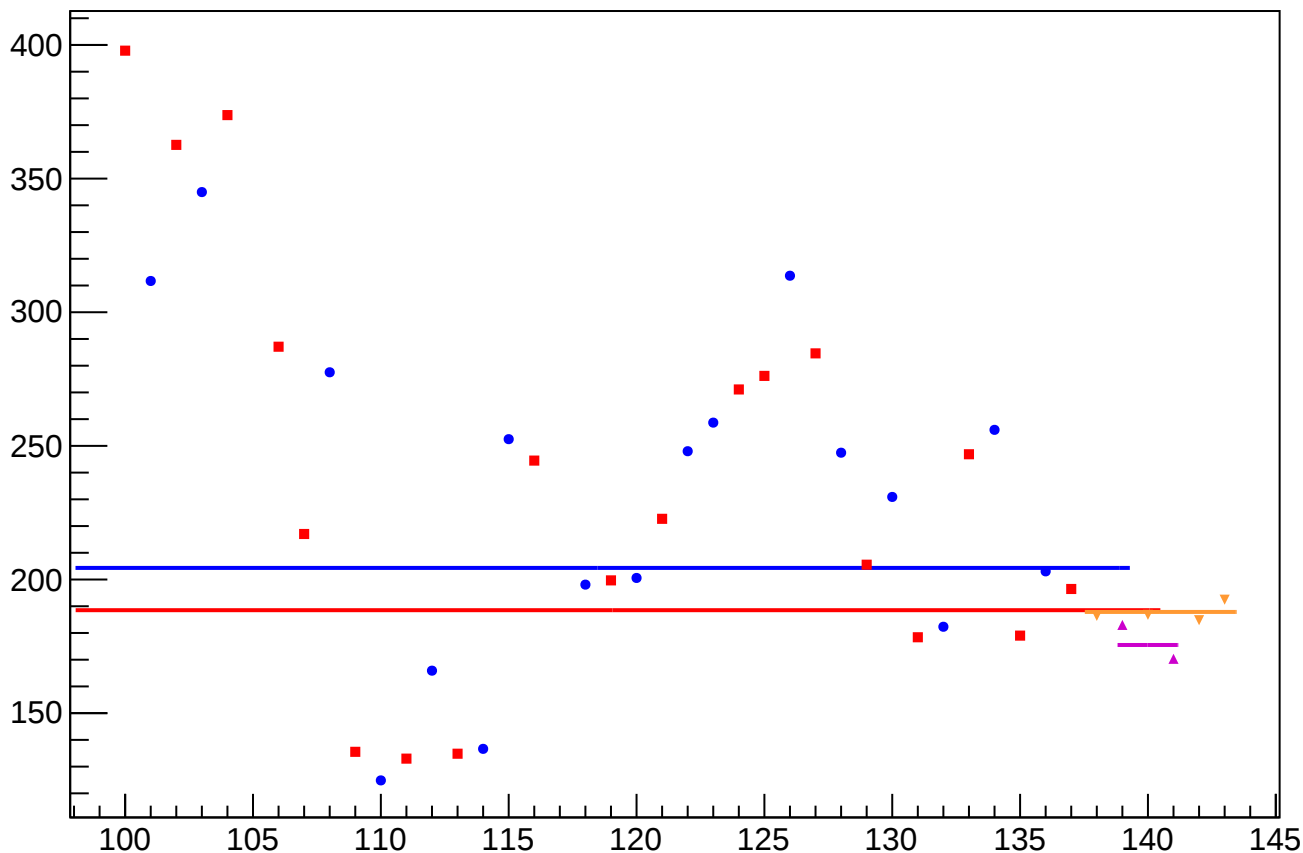
Left In: 808.336 ± 143.393 χ^2/NDF : 12.9/1

+ sign 363.959 ± 67.591 χ^2/NDF : 600.8/20

All: 649.593 ± 47.567 χ^2/NDF : 1222.4/41

- sign 929.862 ± 66.953 χ^2/NDF : 586.2/20

asym_bpm0l10WS_rms vs Slug



Right In: 204.343 $\pm$ 0.059 χ^2 /NDF: 944923.9/16

Left Out: 187.871 $\pm$ 0.082 χ^2 /NDF:1226.8/3

Right Out: 188.523 $\pm$ 0.054 χ^2 /NDF: 1311109.8/18

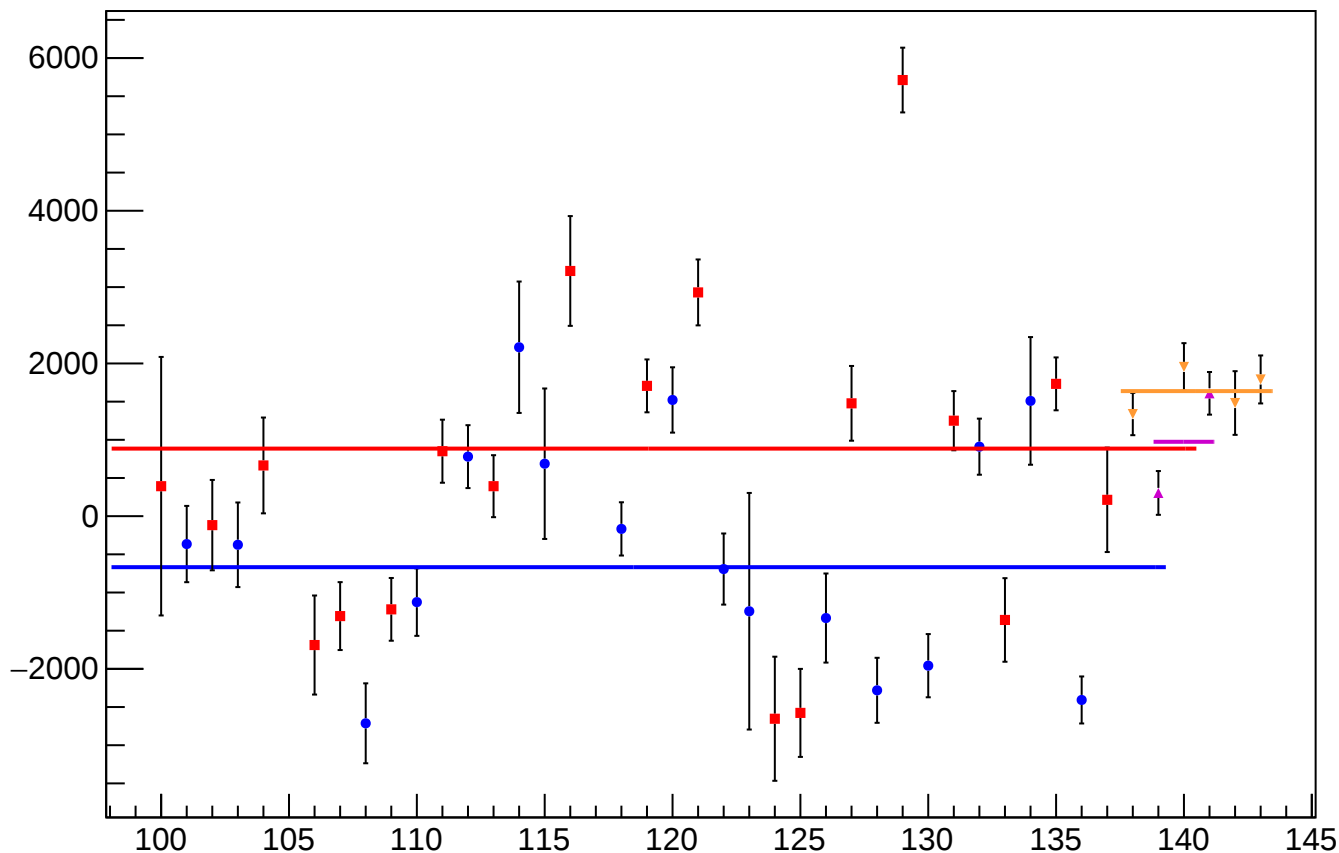
Left In: 175.507 $\pm$ 0.101 χ^2 /NDF:3779.9/1

+ sign 198.710 $\pm$ 0.048 χ^2 /NDF: 972876.2/20

All: 192.136 $\pm$ 0.034 χ^2 /NDF: 2338140.2/41

- sign 185.686 $\pm$ 0.047 χ^2 /NDF: 1327777.6/20

asym_bpm0r03WS_mean vs Slug



Right In: -668.118 ± 114.189 χ^2/NDF : 153.3/16

Left Out: 1637.909 ± 159.663 χ^2/NDF : 2.6/3

Right Out: 884.858 ± 110.843 χ^2/NDF : 320.1/18

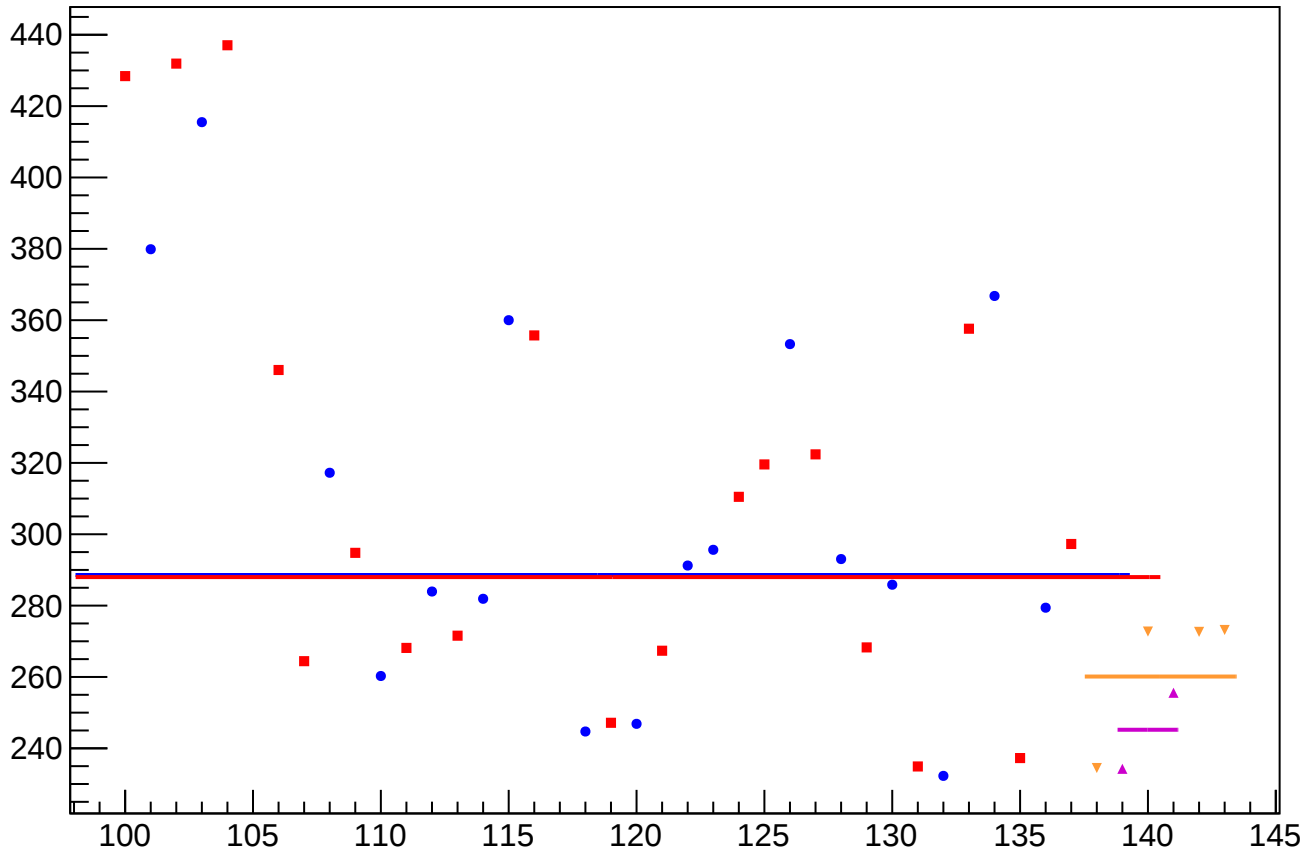
Left In: 974.053 ± 200.032 χ^2/NDF : 10.6/1

+ sign 112.253 ± 92.880 χ^2/NDF : 293.9/20

All: 492.015 ± 67.070 χ^2/NDF : 659.8/41

- sign 905.812 ± 96.953 χ^2/NDF : 330.9/20

asym_bpm0r03WS_rms vs Slug



Right In: 288.577 $\pm$ 0.081 χ^2/NDF : 338793.1/16

Left Out: 260.120 $\pm$ 0.113 χ^2/NDF : 25669.3/3

Right Out: 287.995 $\pm$ 0.078 χ^2/NDF : 459962.0/18

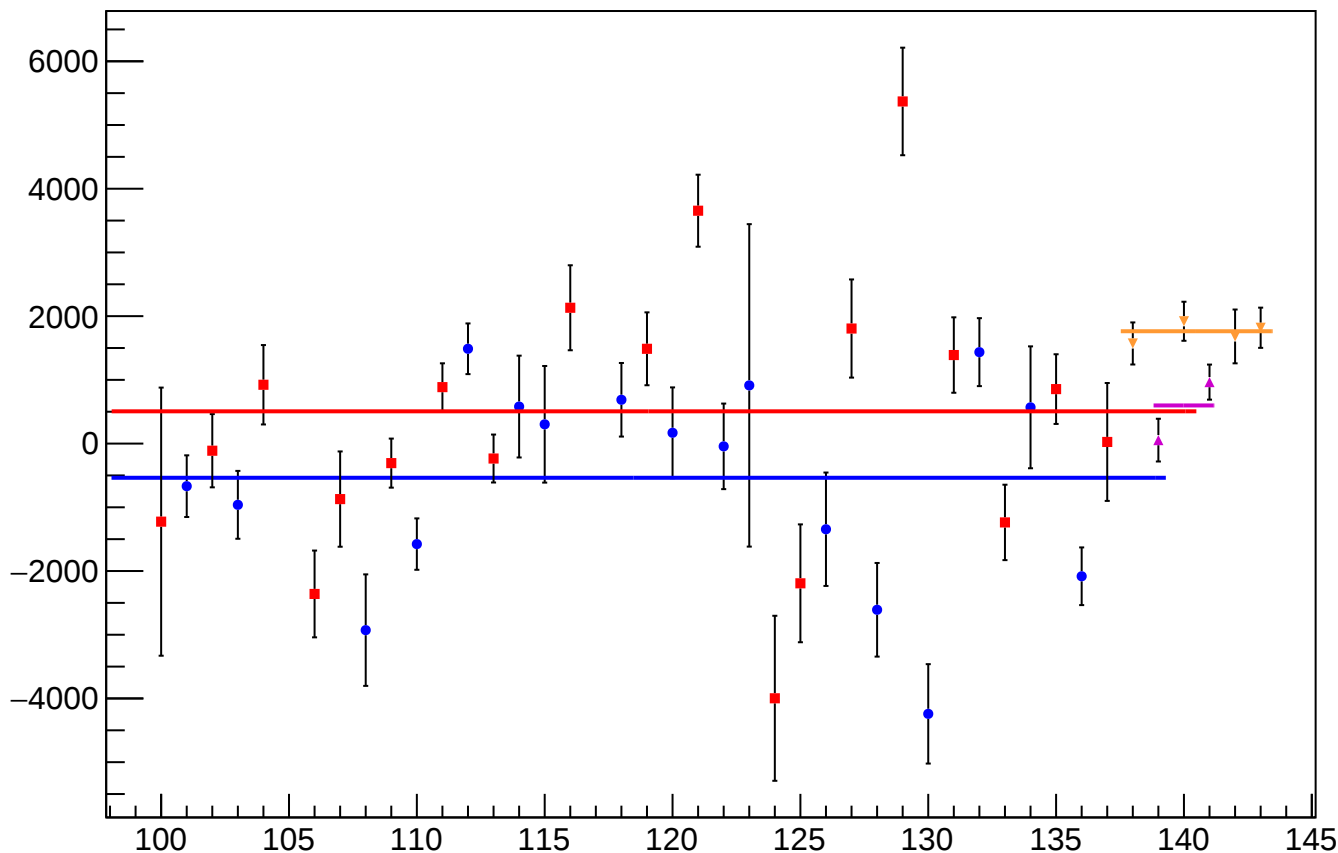
Left In: 245.203 $\pm$ 0.141 χ^2/NDF : 5671.4/1

+ sign 278.947 $\pm$ 0.066 χ^2/NDF : 406494.5/20

All: 278.466 $\pm$ 0.047 χ^2/NDF : 942267.7/41

- sign 277.942 $\pm$ 0.069 χ^2/NDF : 535661.1/20

asym_bpm0r05WS_mean vs Slug



Right In: -536.568 ± 147.571 χ^2/NDF : 107.9/16

Left Out: 1763.281 ± 167.872 χ^2/NDF : 0.7/3

Right Out: 506.373 ± 135.761 χ^2/NDF : 140.9/18

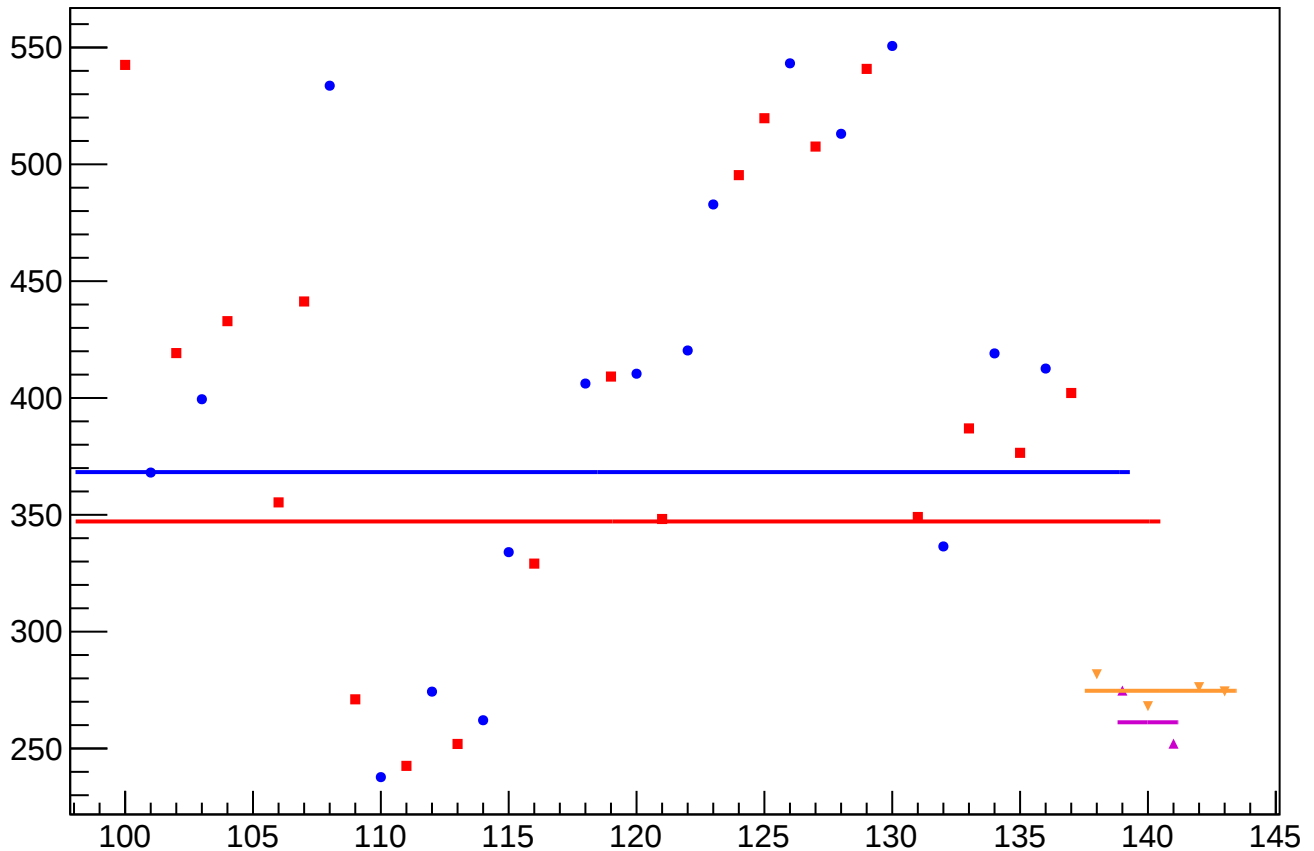
Left In: 598.489 ± 212.753 χ^2/NDF : 4.4/1

+ sign 465.955 ± 110.835 χ^2/NDF : 214.4/20

All: 498.417 ± 79.618 χ^2/NDF : 360.0/41

- sign 533.028 ± 114.445 χ^2/NDF : 145.4/20

asym_bpm0r05WS_rms vs Slug



Right In: 368.287+/-0.104 χ^2/NDF : 765418.4/16

Left Out: 274.697+/-0.119 χ^2/NDF :1869.6/3

Right Out: 347.159+/-0.096 χ^2/NDF : 816304.3/18

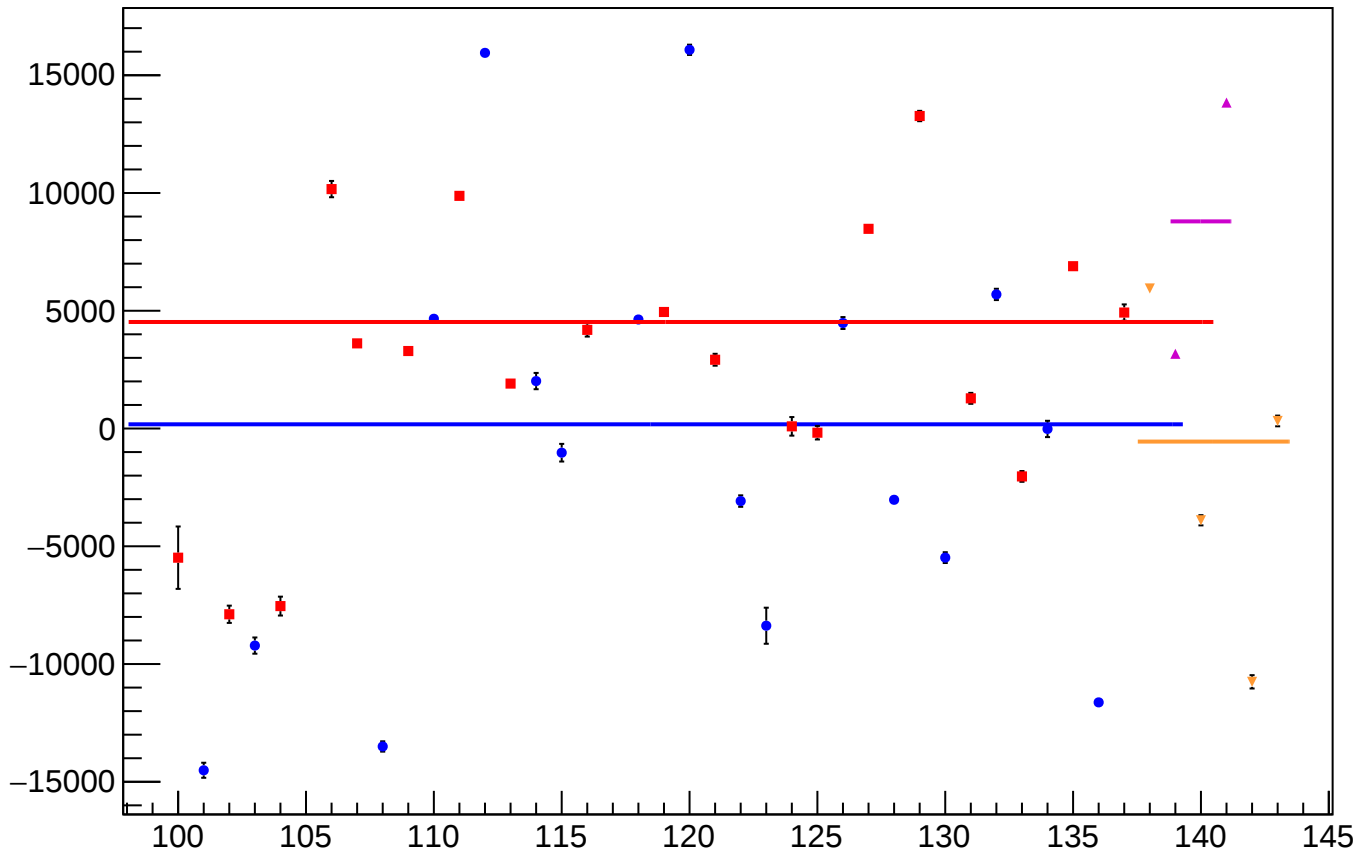
Left In: 261.214+/-0.150 χ^2/NDF :5479.5/1

+ sign 327.491+/-0.078 χ^2/NDF : 1117947.6/20

All: 324.973+/-0.056 χ^2/NDF : 2173795.8/41

- sign 322.289+/-0.081 χ^2/NDF : 1053716.5/20

asym_bpm0i02WS_mean vs Slug



Right In: 178.788 $\pm$ 54.896 χ^2 /NDF: 30662.2/16

Left Out: -554.677 $\pm$ 111.319 χ^2 /NDF:2722.0/3

Right Out: 4523.222 $\pm$ 52.440 χ^2 /NDF: 7474.2/18

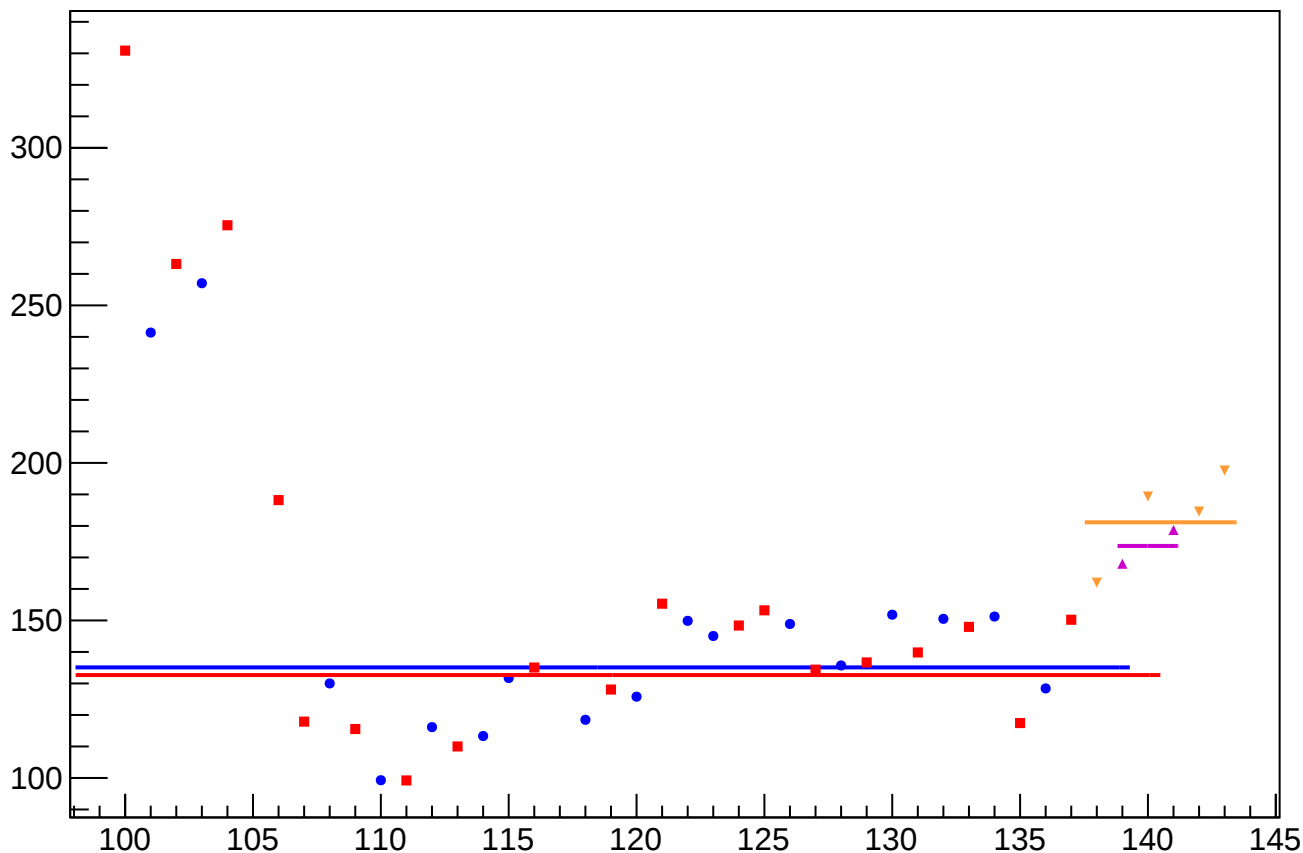
Left In: 8794.609 $\pm$ 141.893 χ^2 /NDF:1408.4/1

+ sign 35.308 $\pm$ 49.235 χ^2 /NDF: 33419.2/20

All: 2538.299 $\pm$ 34.798 χ^2 /NDF: 48263.0/41

- sign 5036.518 $\pm$ 49.188 χ^2 /NDF: 9679.9/20

asym_bpm0i02WS_rms vs Slug



Right In: 135.099+/-0.039 χ^2/NDF : 657657.4/16

Left Out: 181.150+/-0.079 χ^2/NDF : 33982.4/3

Right Out: 132.672+/-0.037 χ^2/NDF : 828363.1/18

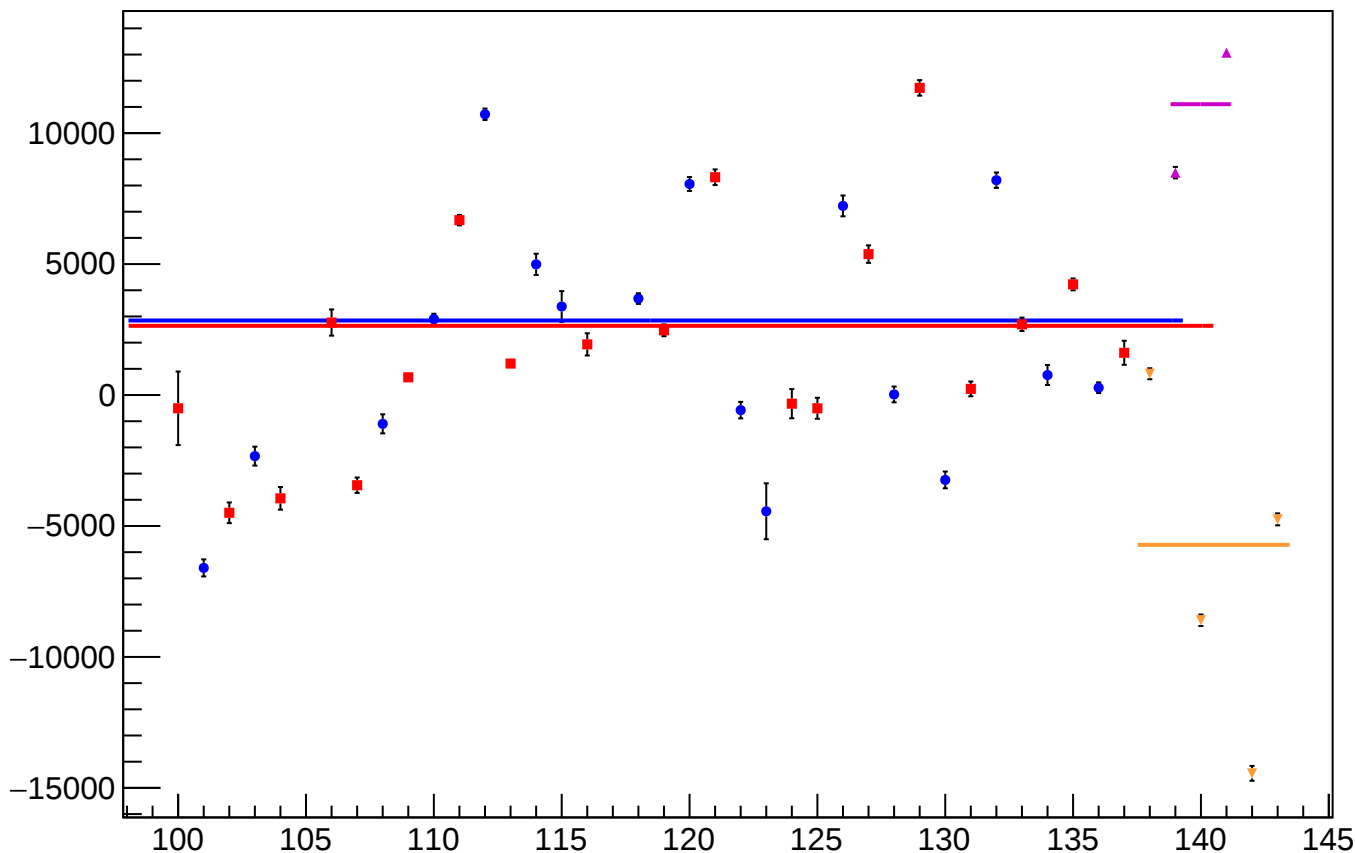
Left In: 173.651+/-0.100 χ^2/NDF : 2840.2/1

+ sign 144.107+/-0.035 χ^2/NDF : 966958.4/20

All: 140.849+/-0.025 χ^2/NDF : 1962430.3/41

- sign 137.596+/-0.035 χ^2/NDF : 977969.2/20

asym_bpm0i02aWS_mean vs Slug



Right In: 2846.117 $\pm$ 70.894 χ^2 /NDF: 4160.1/16

Left Out: -5720.336 $\pm$ 115.481 χ^2 /NDF:2103.2/3

Right Out: 2643.505 $\pm$ 65.711 χ^2 /NDF: 3177.7/18

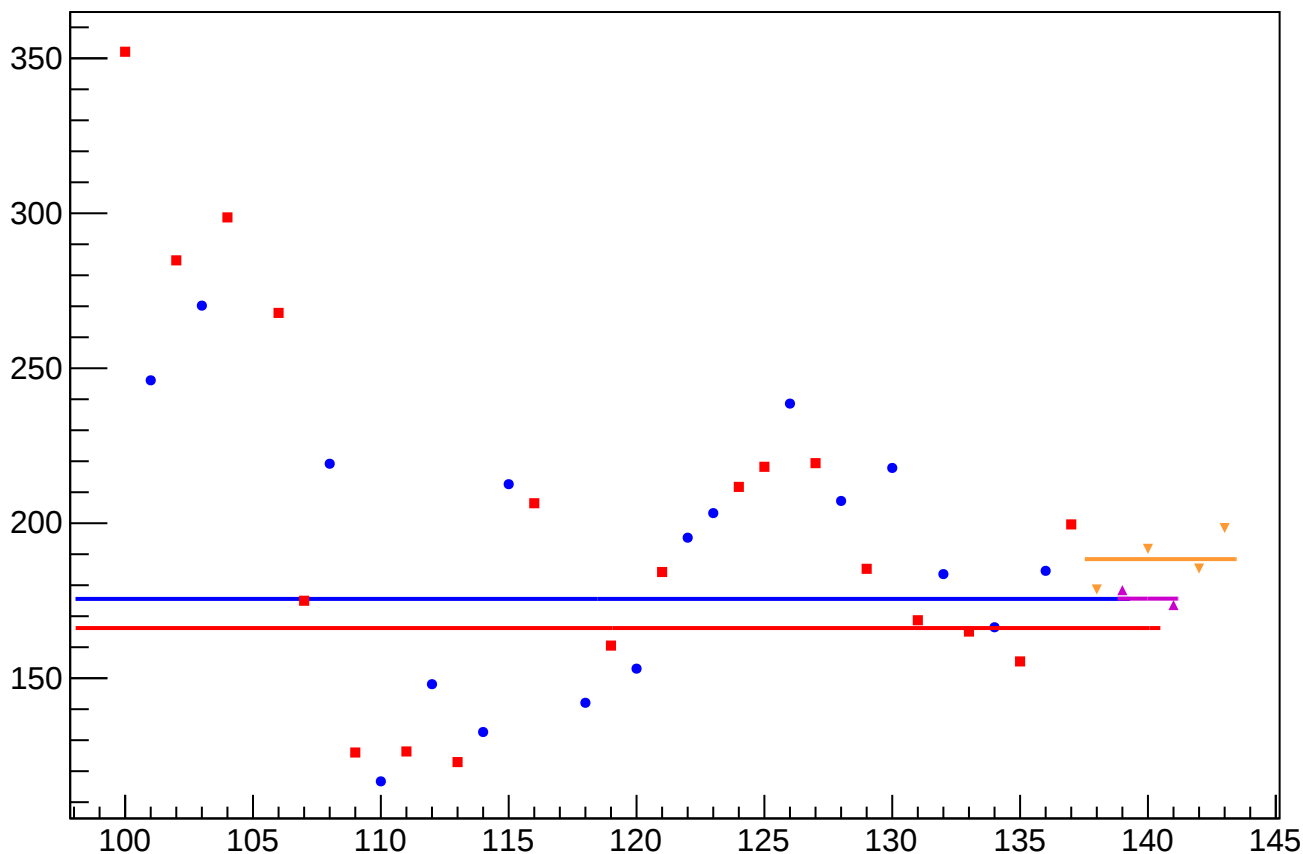
Left In: 11104.825 $\pm$ 143.276 χ^2 /NDF:250.6/1

+ sign 501.331 $\pm$ 60.418 χ^2 /NDF: 10259.8/20

All: 2328.371 $\pm$ 42.476 χ^2 /NDF: 18377.8/41

- sign 4113.990 $\pm$ 59.729 χ^2 /NDF: 6309.8/20

asym_bpm0i02aWS_rms vs Slug



Right In: 175.582+/-0.050 χ^2/NDF : 687852.4/16

Left Out: 188.421+/-0.082 χ^2/NDF : 8902.8/3

Right Out: 166.180+/-0.046 χ^2/NDF : 925559.0/18

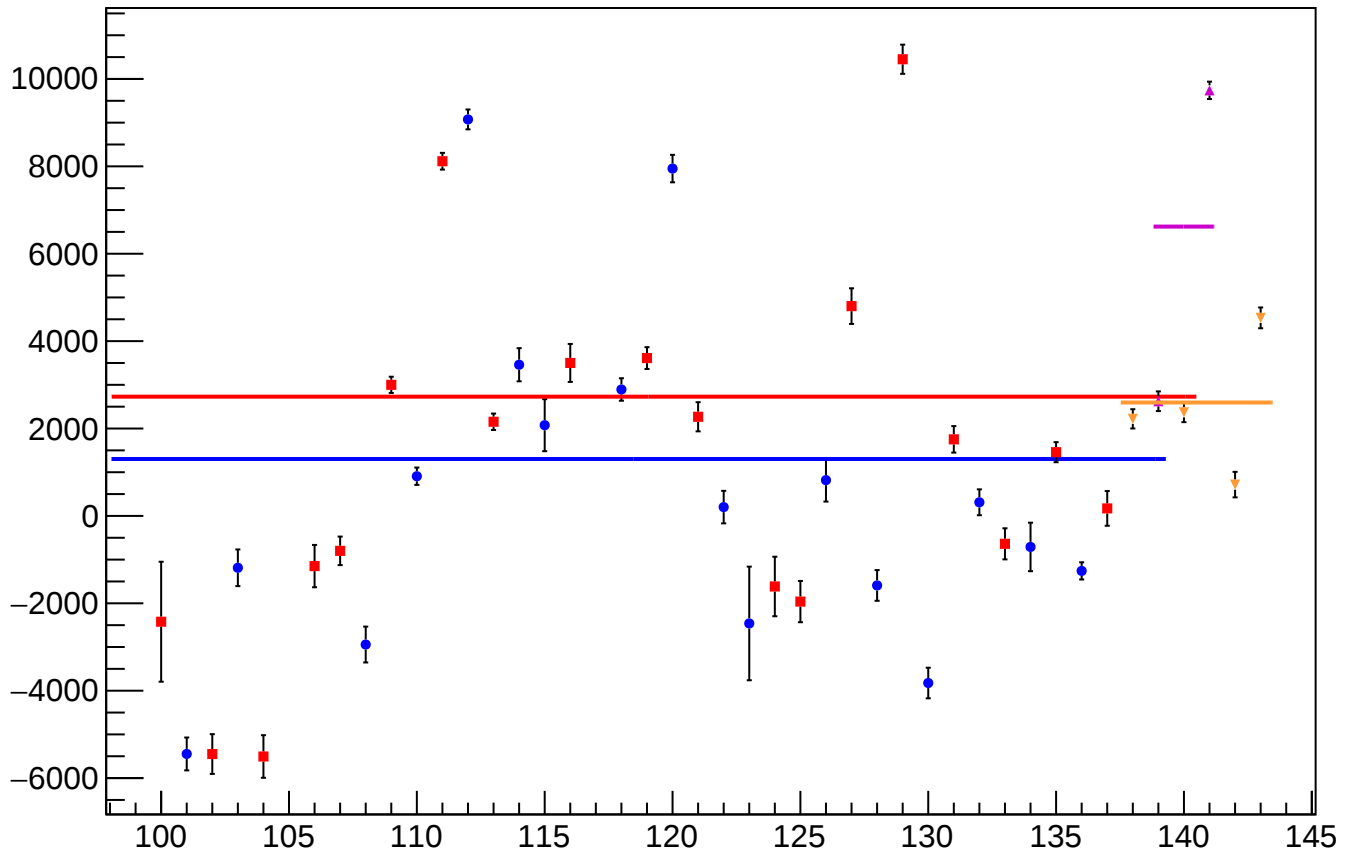
Left In: 175.667+/-0.101 χ^2/NDF : 552.7/1

+ sign 179.096+/-0.043 χ^2/NDF : 714710.6/20

All: 173.398+/-0.030 χ^2/NDF : 1683244.9/41

- sign 167.829+/-0.042 χ^2/NDF : 933355.8/20

asym_bpm0i05WS_mean vs Slug



Right In: 1302.950+/-77.323 χ^2 /NDF: 2649.9/16

Left Out: 2595.470+/-119.817 χ^2 /NDF:111.5/3

Right Out: 2729.355+/-70.012 χ^2 /NDF: 2497.2/18

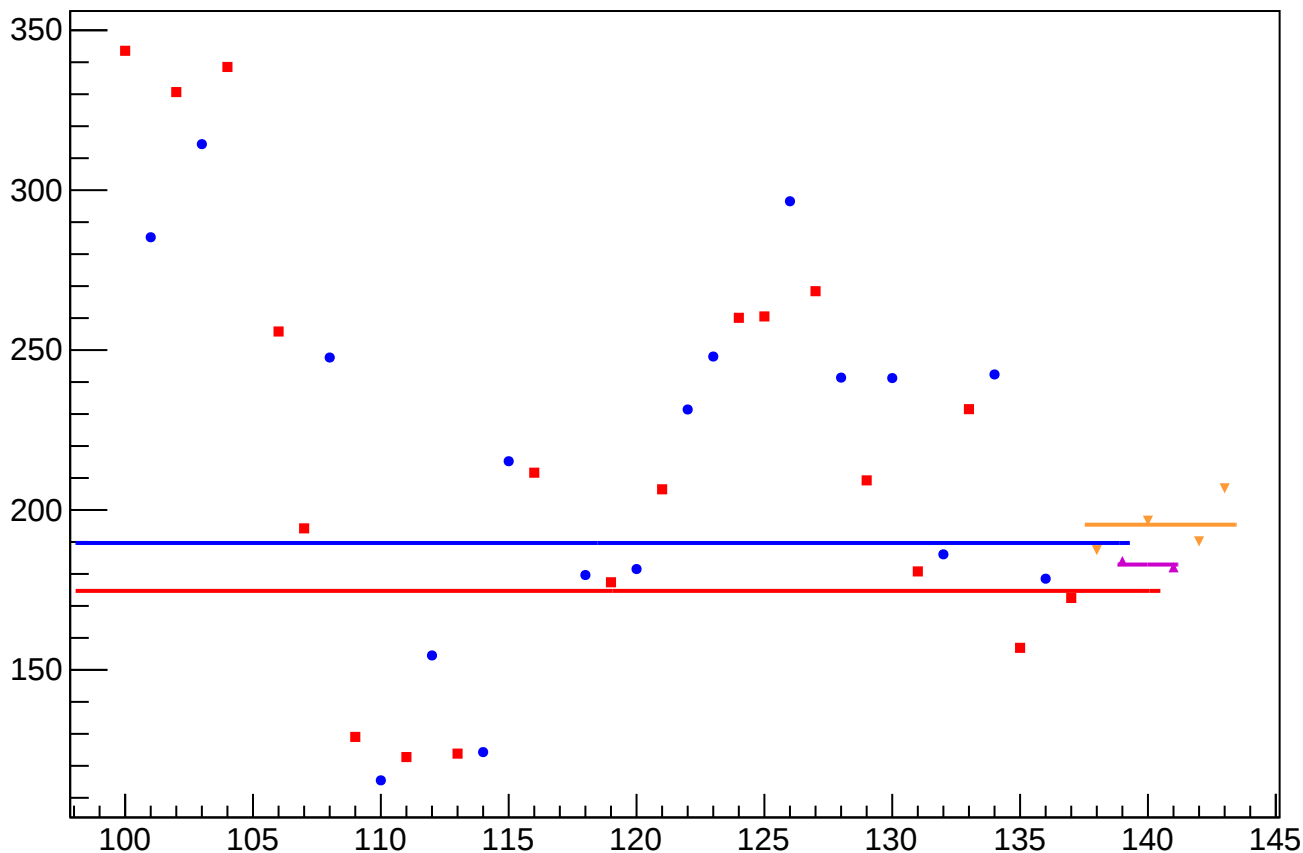
Left In: 6621.469+/-149.168 χ^2 /NDF:560.1/1

+ sign 1682.973+/-64.969 χ^2 /NDF: 2843.6/20

All: 2579.143+/-45.367 χ^2 /NDF: 6830.0/41

- sign 3431.959+/-63.378 χ^2 /NDF: 3615.1/20

asym_bpm0i05WS_rms vs Slug



Right In: 189.687 $\pm$ 0.055 χ^2 /NDF: 977199.2/16

Left Out: 195.404 $\pm$ 0.085 χ^2 /NDF: 7878.6/3

Right Out: 174.707 $\pm$ 0.050 χ^2 /NDF: 1291115.5/18

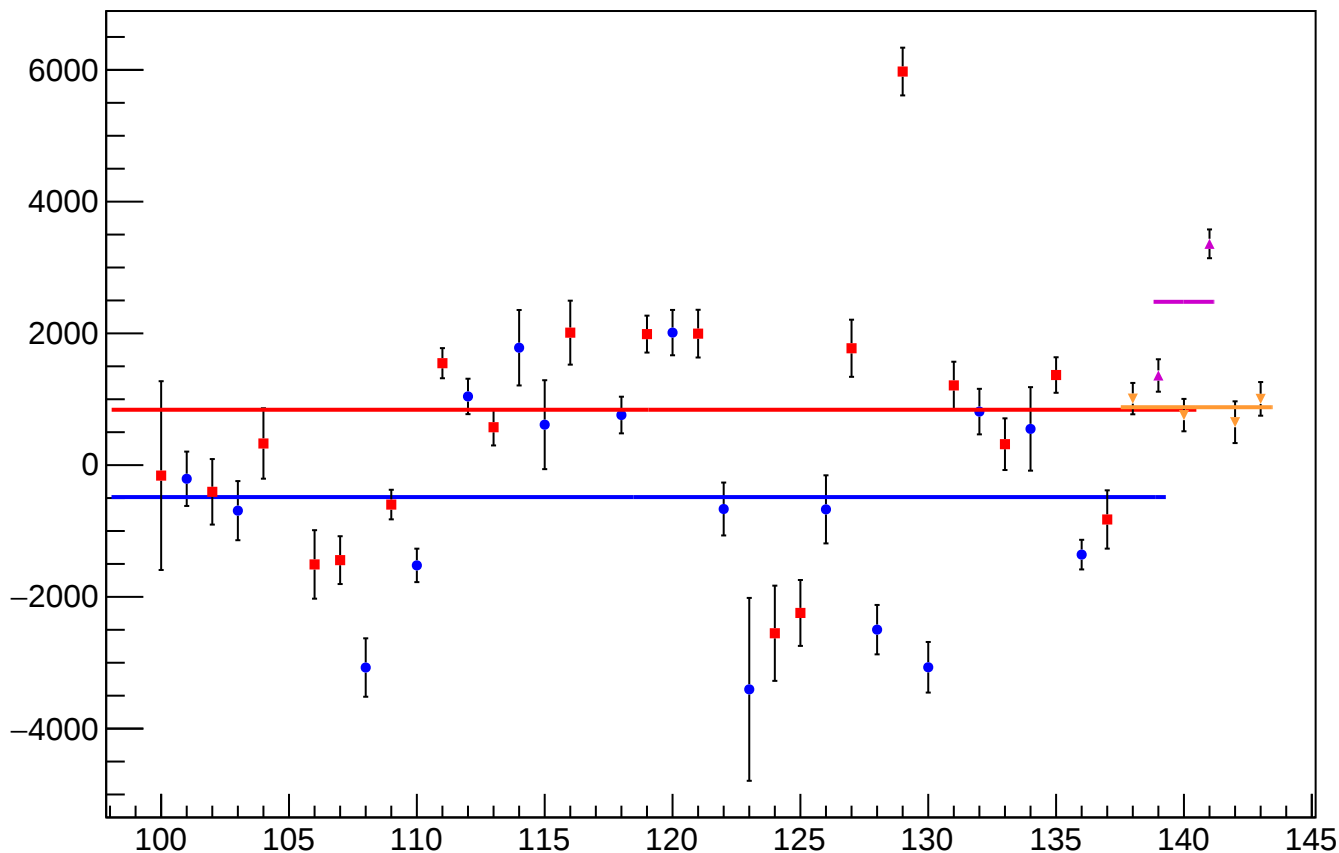
Left In: 182.937 $\pm$ 0.105 χ^2 /NDF: 85.5/1

+ sign 191.368 $\pm$ 0.046 χ^2 /NDF: 988292.5/20

All: 183.592 $\pm$ 0.032 χ^2 /NDF: 2340394.0/41

- sign 176.193 $\pm$ 0.045 χ^2 /NDF: 1296190.8/20

asym_bpm0i07WS_mean vs Slug



Right In: -485.036+/-88.788 χ^2/NDF : 285.3/16

Left Out: 879.163+/-129.658 χ^2/NDF : 1.3/3

Right Out: 840.594+/-82.233 χ^2/NDF : 438.2/18

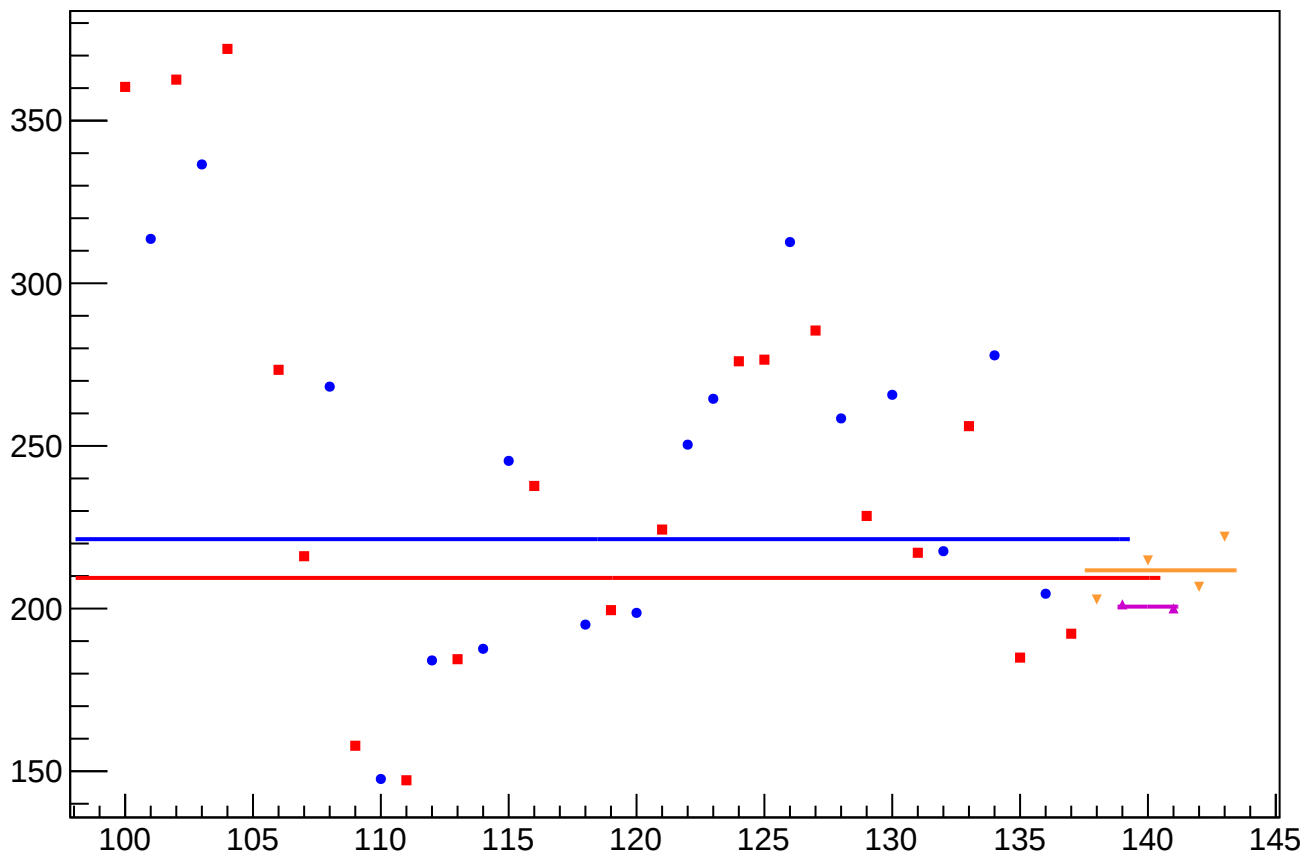
Left In: 2479.281+/-163.427 χ^2/NDF : 36.9/1

+ sign -49.534+/-73.258 χ^2/NDF : 362.0/20

All: 559.404+/-51.872 χ^2/NDF : 1055.8/41

- sign 1171.664+/-73.457 χ^2/NDF : 555.3/20

asym_bpm0i07WS_rms vs Slug



Right In: 221.339 ± 0.063 χ^2/NDF : 645507.4/16

Left Out: 211.760 ± 0.092 χ^2/NDF : 6932.8/3

Right Out: 209.428 ± 0.058 χ^2/NDF : 879292.0/18

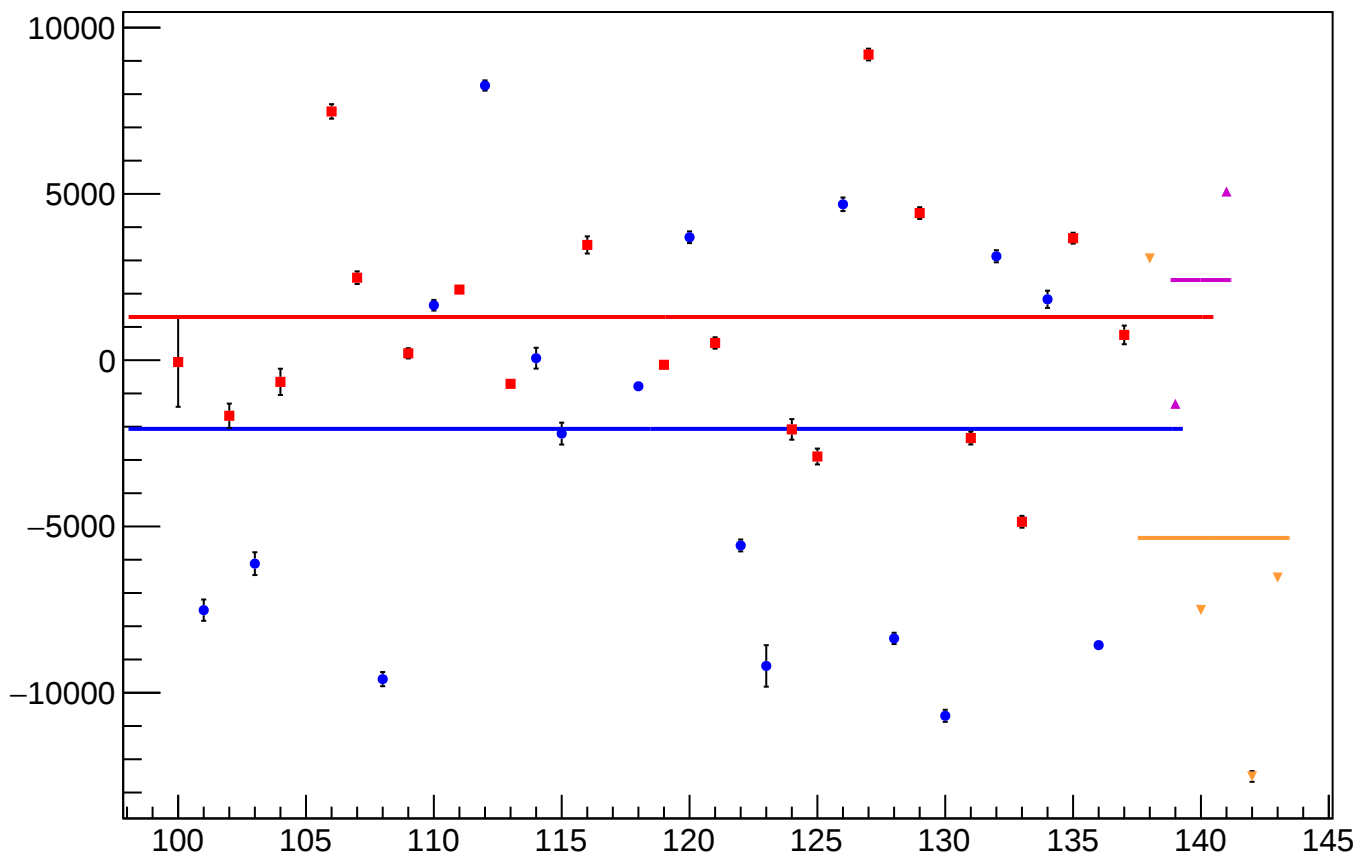
Left In: 200.599 ± 0.116 χ^2/NDF : 28.6/1

+ sign 218.281 ± 0.052 χ^2/NDF : 659871.3/20

All: 212.977 ± 0.037 χ^2/NDF : 1564875.5/41

- sign 207.644 ± 0.052 χ^2/NDF : 883978.7/20

asym_bpm1i02WS_mean vs Slug



Right In: -2065.524 ± 47.407 $\chi^2/\text{NDF}: 16535.7/16$

Left Out: -5343.978 ± 65.390 $\chi^2/\text{NDF}: 6616.3/3$

Right Out: 1298.632 ± 44.980 $\chi^2/\text{NDF}: 5909.5/18$

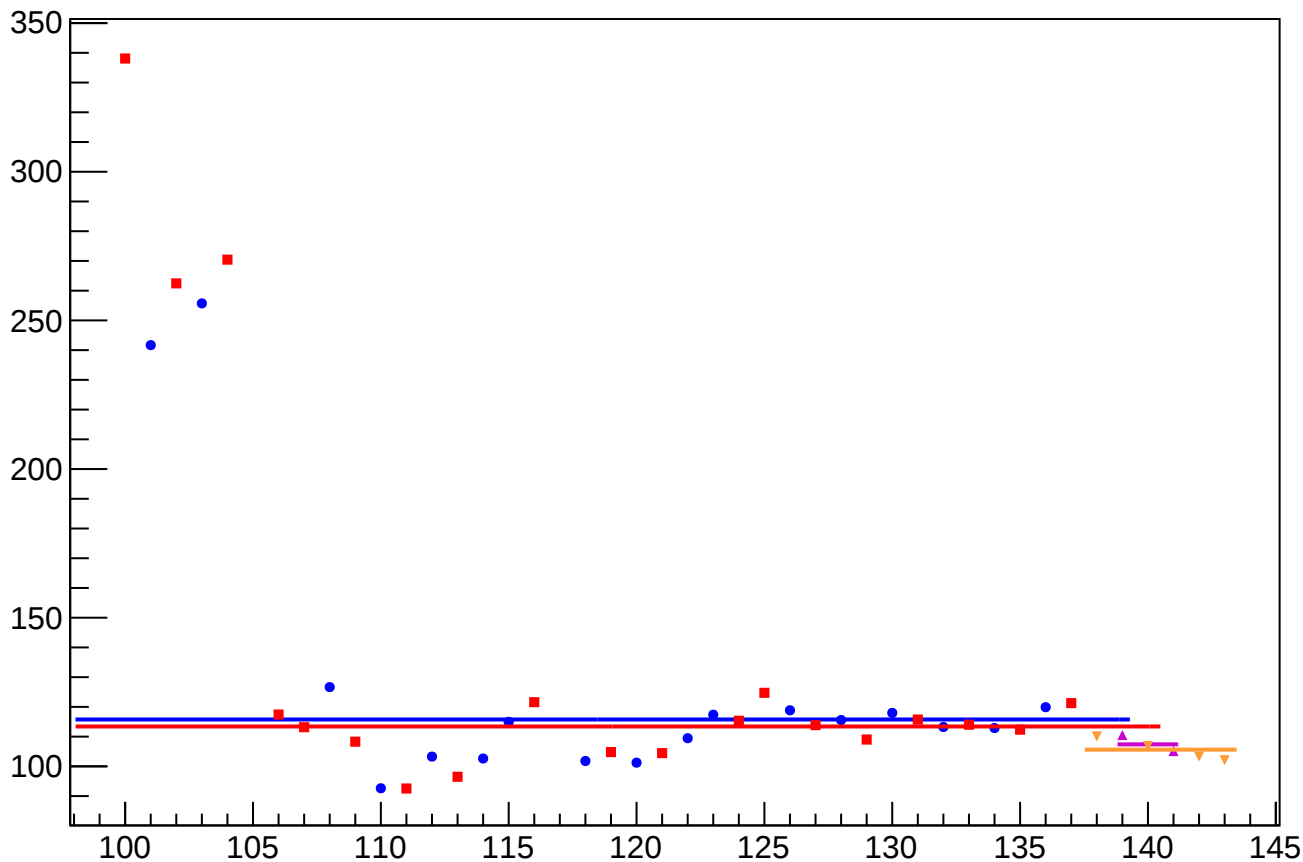
Left In: 2410.016 ± 88.461 $\chi^2/\text{NDF}: 1266.1/1$

+ sign -3195.016 ± 38.381 $\chi^2/\text{NDF}: 24799.7/20$

All: -937.075 ± 27.726 $\chi^2/\text{NDF}: 39338.3/41$

- sign 1526.949 ± 40.095 $\chi^2/\text{NDF}: 7301.0/20$

asym_bpm1i02WS_rms vs Slug



Right In: 115.768 $\pm$ 0.034 χ^2 /NDF: 743657.8/16

Left Out: 105.613 $\pm$ 0.046 χ^2 /NDF:4758.5/3

Right Out: 113.410 $\pm$ 0.032 χ^2 /NDF: 795303.3/18

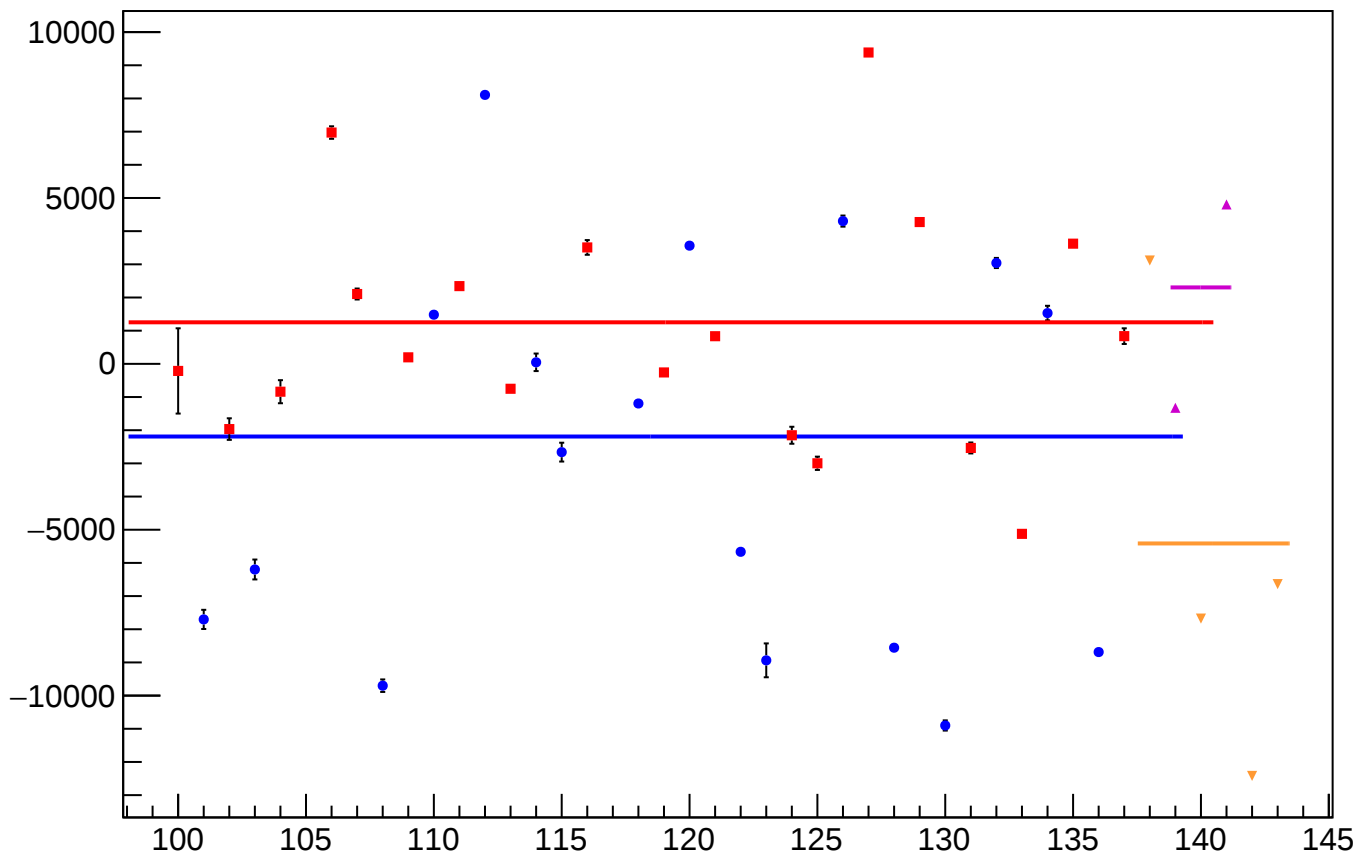
Left In: 107.399 $\pm$ 0.063 χ^2 /NDF:1798.6/1

+ sign 112.269 $\pm$ 0.027 χ^2 /NDF: 780031.0/20

All: 112.224 $\pm$ 0.020 χ^2 /NDF: 1584477.7/41

- sign 112.175 $\pm$ 0.028 χ^2 /NDF: 804440.9/20

asym_bpm1i04WS_mean vs Slug



Right In: -2190.242+/-40.008 χ^2/NDF : 22811.0/16

Left Out: -5413.625+/-59.318 χ^2/NDF : 8011.6/3

Right Out: 1252.225+/-38.029 χ^2/NDF : 8581.9/18

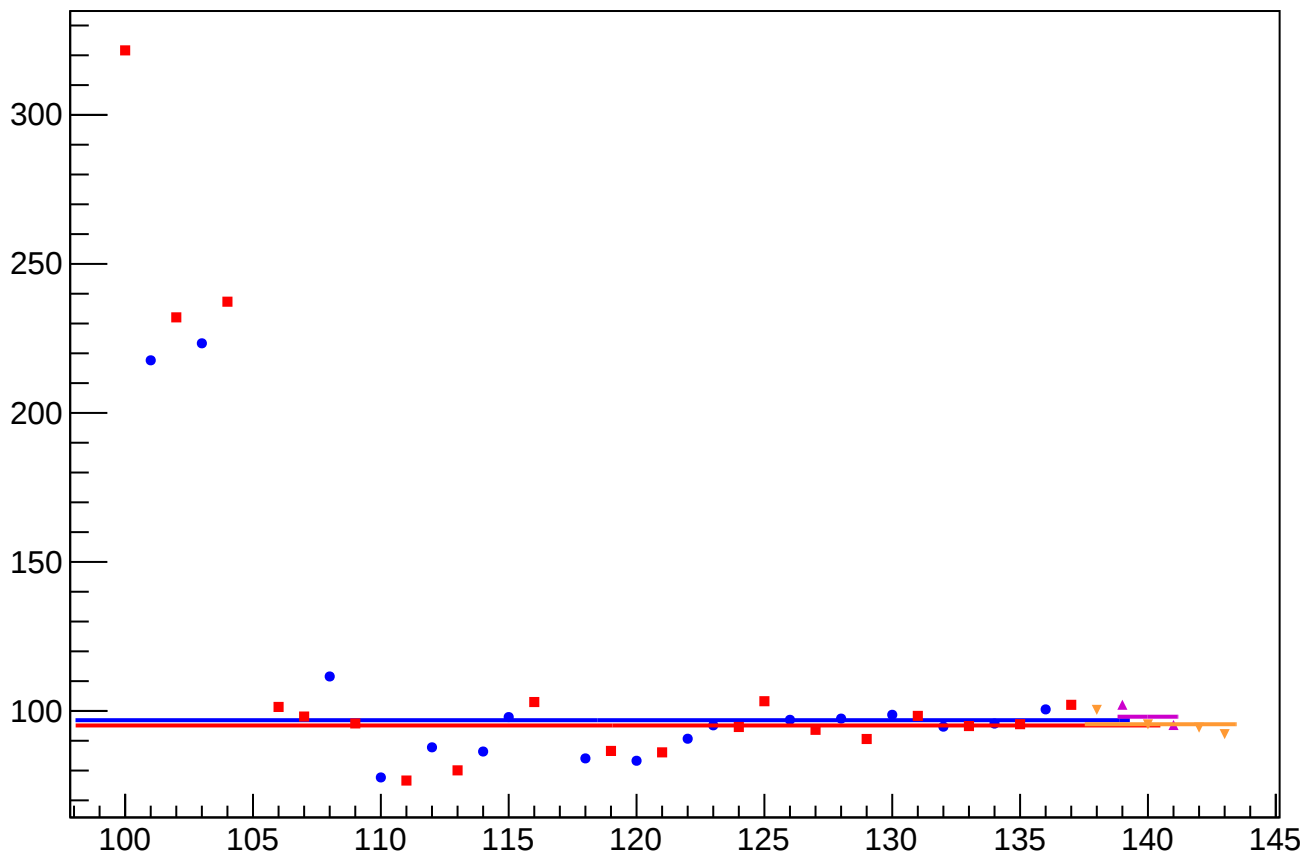
Left In: 2304.040+/-80.922 χ^2/NDF : 1386.0/1

+ sign -3198.101+/-33.169 χ^2/NDF : 32852.2/20

All: -963.505+/-23.883 χ^2/NDF : 52384.1/41

- sign 1442.493+/-34.418 χ^2/NDF : 10106.3/20

asym_bpm1i04WS_rms vs Slug



Right In: 96.898 $\pm$ 0.028 χ^2 /NDF: 817255.1/16

Left Out: 95.541 $\pm$ 0.042 χ^2 /NDF: 5356.9/3

Right Out: 95.130 $\pm$ 0.027 χ^2 /NDF: 858457.3/18

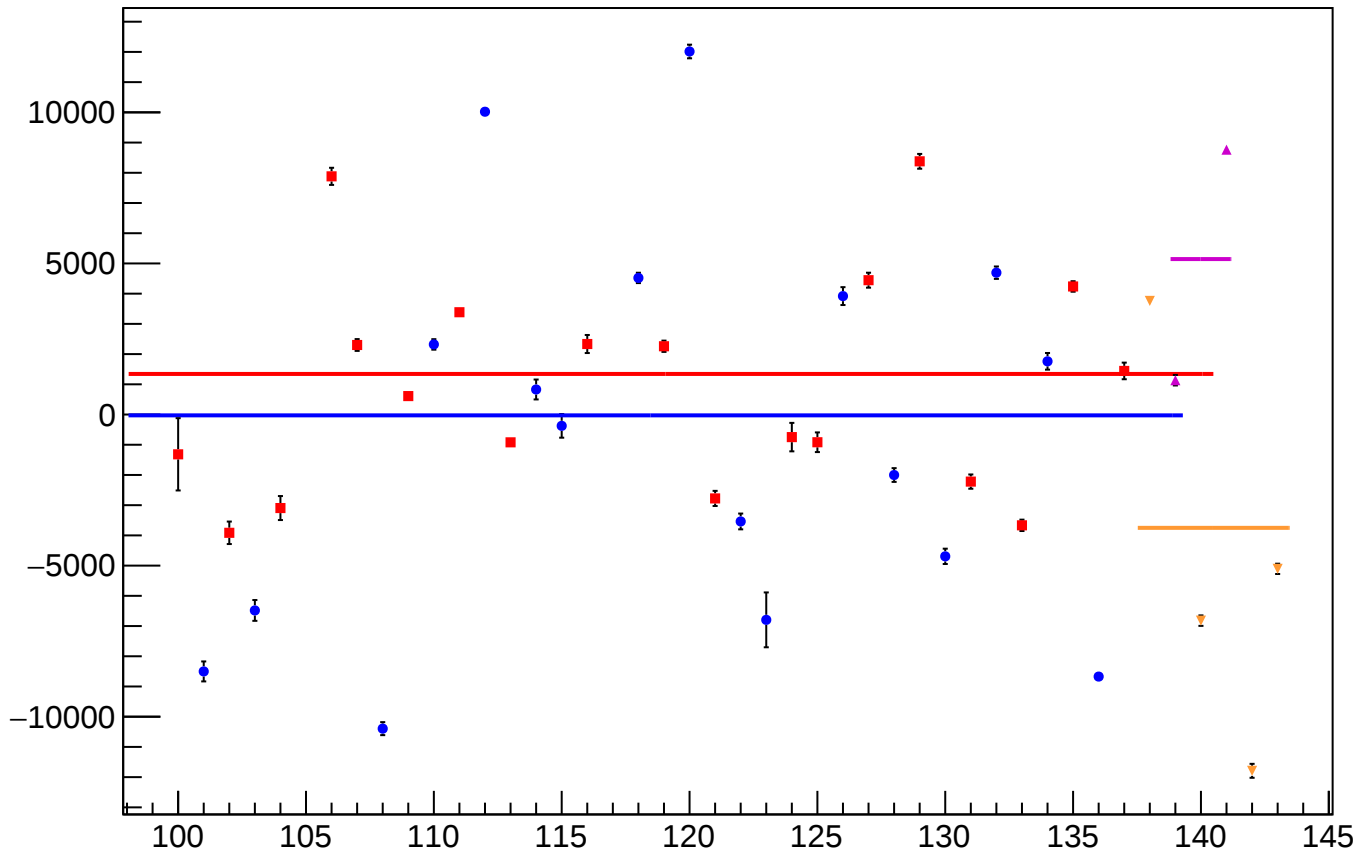
Left In: 98.067 $\pm$ 0.057 χ^2 /NDF: 3409.4/1

+ sign 96.474 $\pm$ 0.023 χ^2 /NDF: 823332.2/20

All: 96.082 $\pm$ 0.017 χ^2 /NDF: 1687935.6/41

- sign 95.661 $\pm$ 0.024 χ^2 /NDF: 864025.1/20

asym_bpm1i06WS_mean vs Slug



Right In: -27.457 ± 54.732 $\chi^2/\text{NDF}: 16364.6/16$

Left Out: -3750.050 ± 88.948 $\chi^2/\text{NDF}: 3841.6/3$

Right Out: 1343.122 ± 52.343 $\chi^2/\text{NDF}: 3846.7/18$

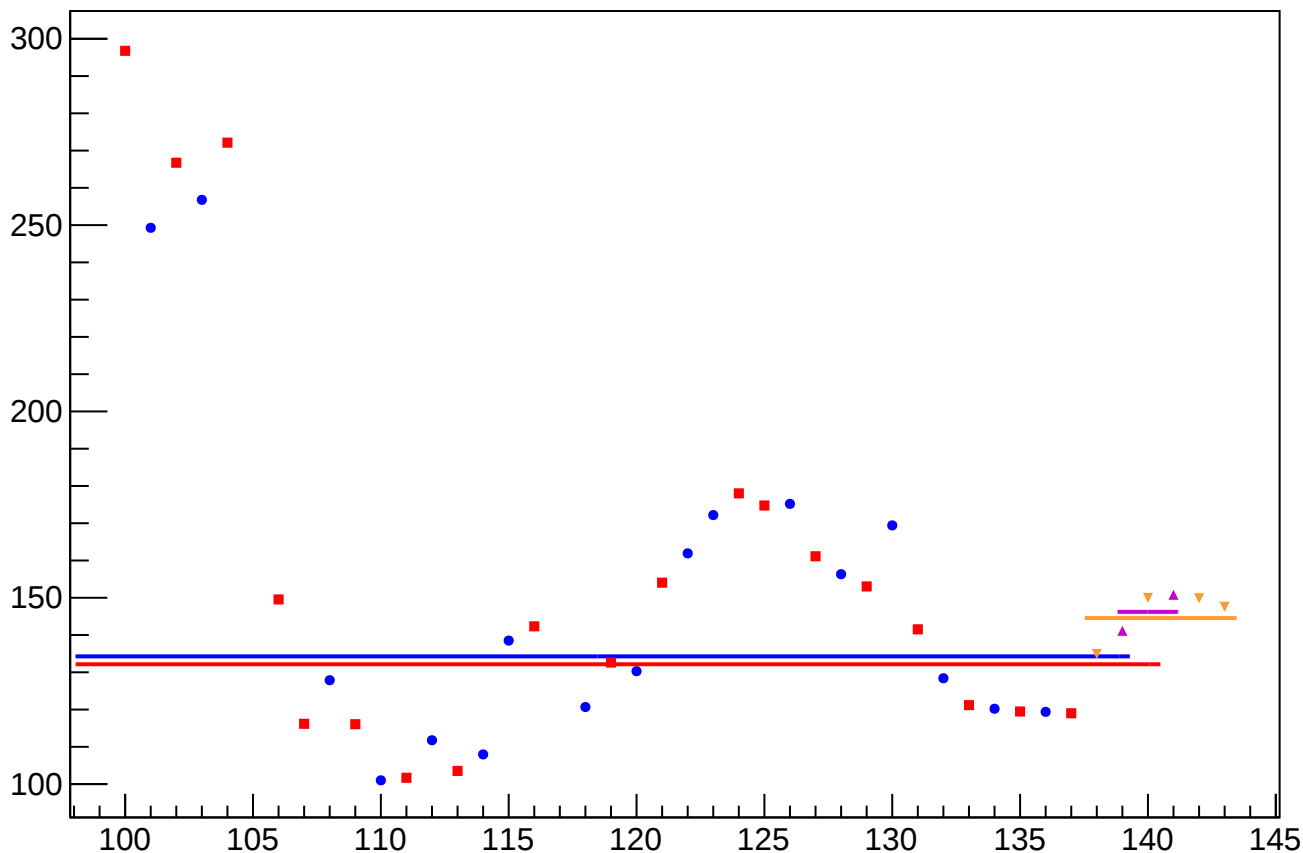
Left In: 5144.665 ± 119.813 $\chi^2/\text{NDF}: 1011.0/1$

+ sign -1049.831 ± 46.614 $\chi^2/\text{NDF}: 21476.6/20$

All: 408.393 ± 33.429 $\chi^2/\text{NDF}: 29194.5/41$

- sign 1952.396 ± 47.966 $\chi^2/\text{NDF}: 5703.1/20$

asym_bpm1i06WS_rms vs Slug



Right In: 134.270 $\pm$ 0.039 χ^2 /NDF: 787098.5/16

Left Out: 144.547 $\pm$ 0.063 χ^2 /NDF:11042.2/3

Right Out: 132.155 $\pm$ 0.037 χ^2 /NDF: 865020.1/18

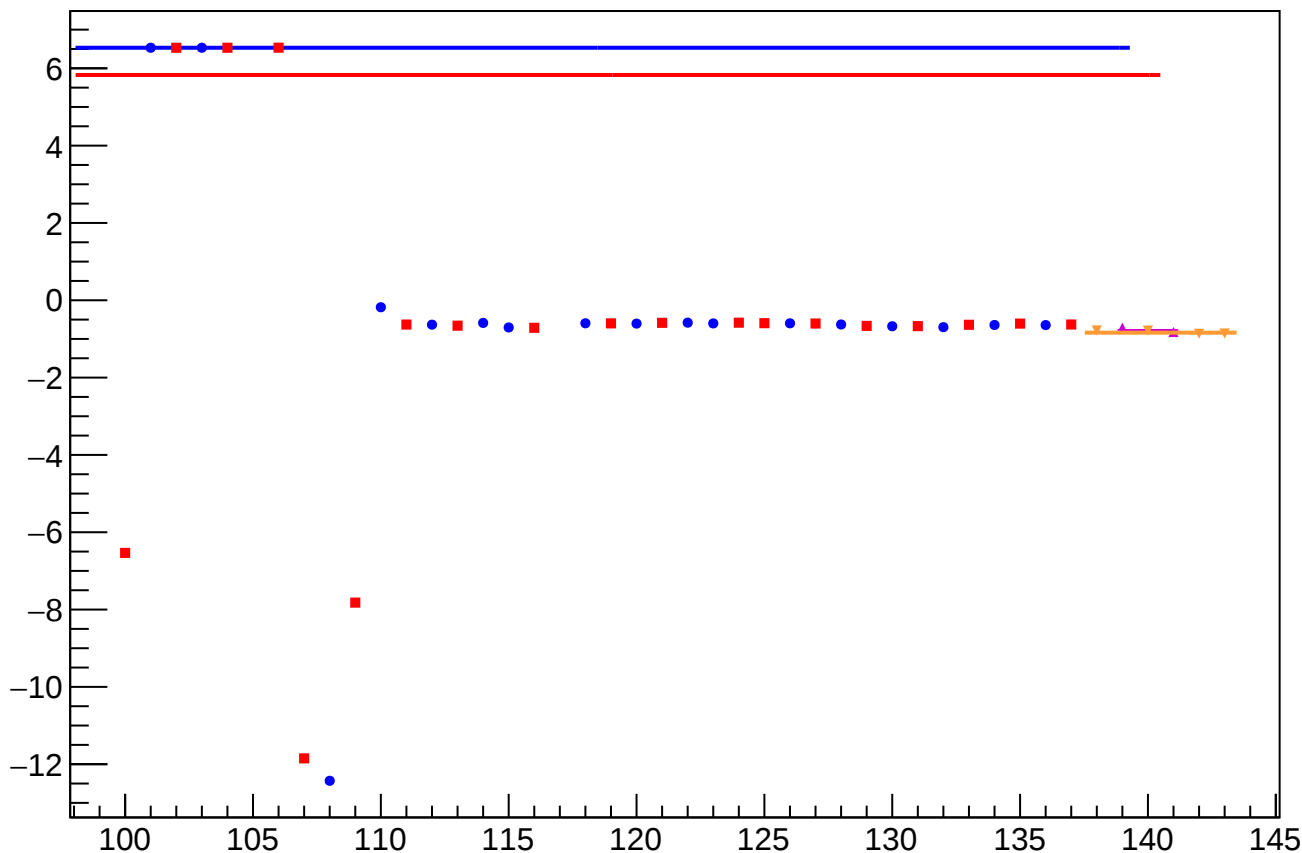
Left In: 146.222 $\pm$ 0.085 χ^2 /NDF:3246.4/1

+ sign 137.093 $\pm$ 0.033 χ^2 /NDF: 817507.2/20

All: 135.789 $\pm$ 0.024 χ^2 /NDF: 1712145.3/41

- sign 134.409 $\pm$ 0.034 χ^2 /NDF: 891418.4/20

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127565119308.7/16

Left Out: -0.838 $\pm$ 0.000 χ^2 /NDF: 2898054.0/3

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755947318870738.2/18

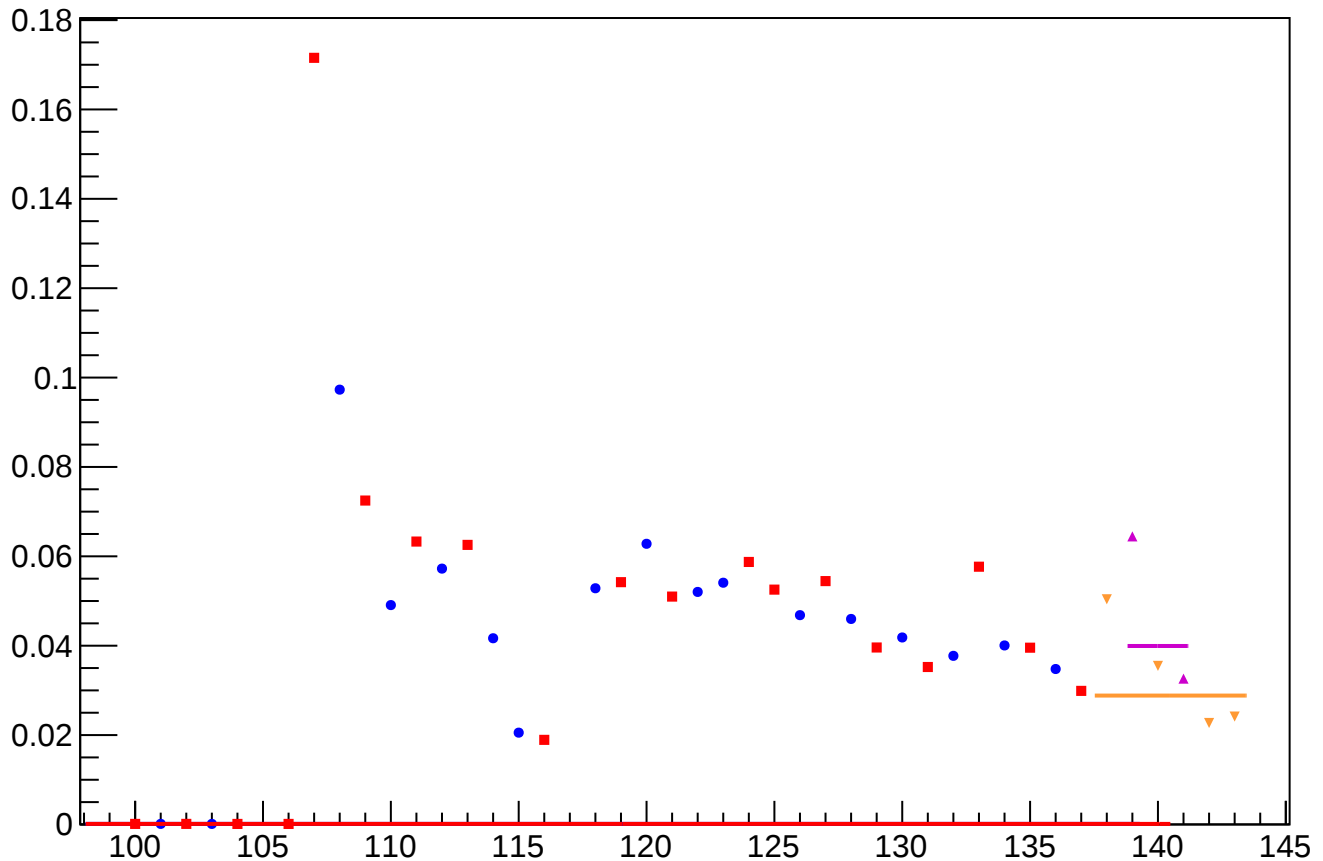
Left In: -0.794 $\pm$ 0.000 χ^2 /NDF: 1568950.4/1

+ sign 6.531 $\pm$ 0.000 χ^2 /NDF: 246508041928.3/20

All: 6.155 $\pm$ 0.000 χ^2 /NDF: 7762182917184

- sign 5.827 $\pm$ 0.000 χ^2 /NDF: 755977419659088.9/18

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9008104.3/16

Left Out: 0.029+/-0.000 χ^2/NDF : 345173.0/3

Right Out: 0.000+/-0.000 χ^2/NDF : 9347467.6/18

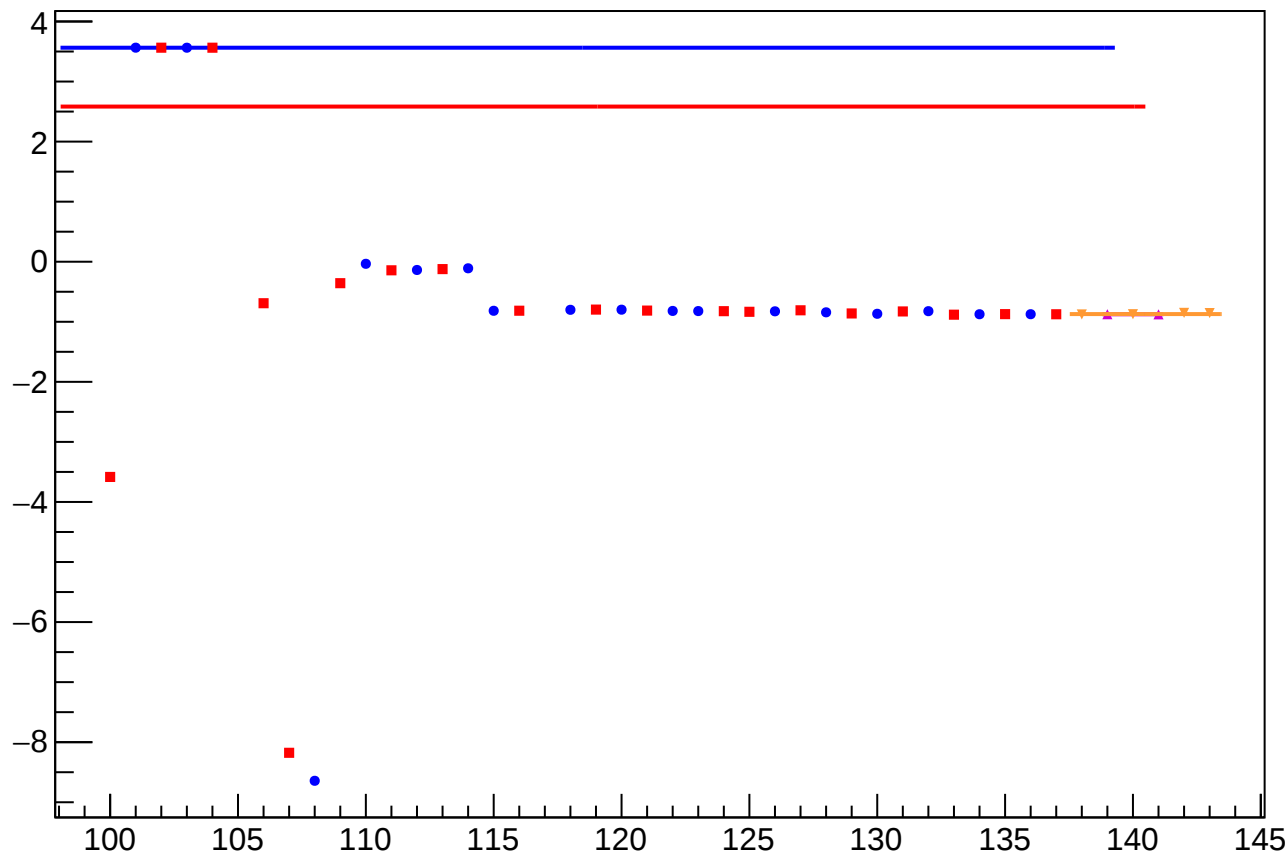
Left In: 0.040+/-0.000 χ^2/NDF : 245992.8/1

+ sign 0.000+/-0.000 χ^2/NDF : 12965143.3/20

All: 0.000+/-0.000 χ^2/NDF : 24735435.5/41

- sign 0.000+/-0.000 χ^2/NDF : 11769872.6/20

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 485019512048.0/16

Left Out: -0.872+/-0.000 χ^2/NDF : 2063380.7/3

Right Out: 2.583+/-0.000 χ^2/NDF : 1253504623679499.2/18

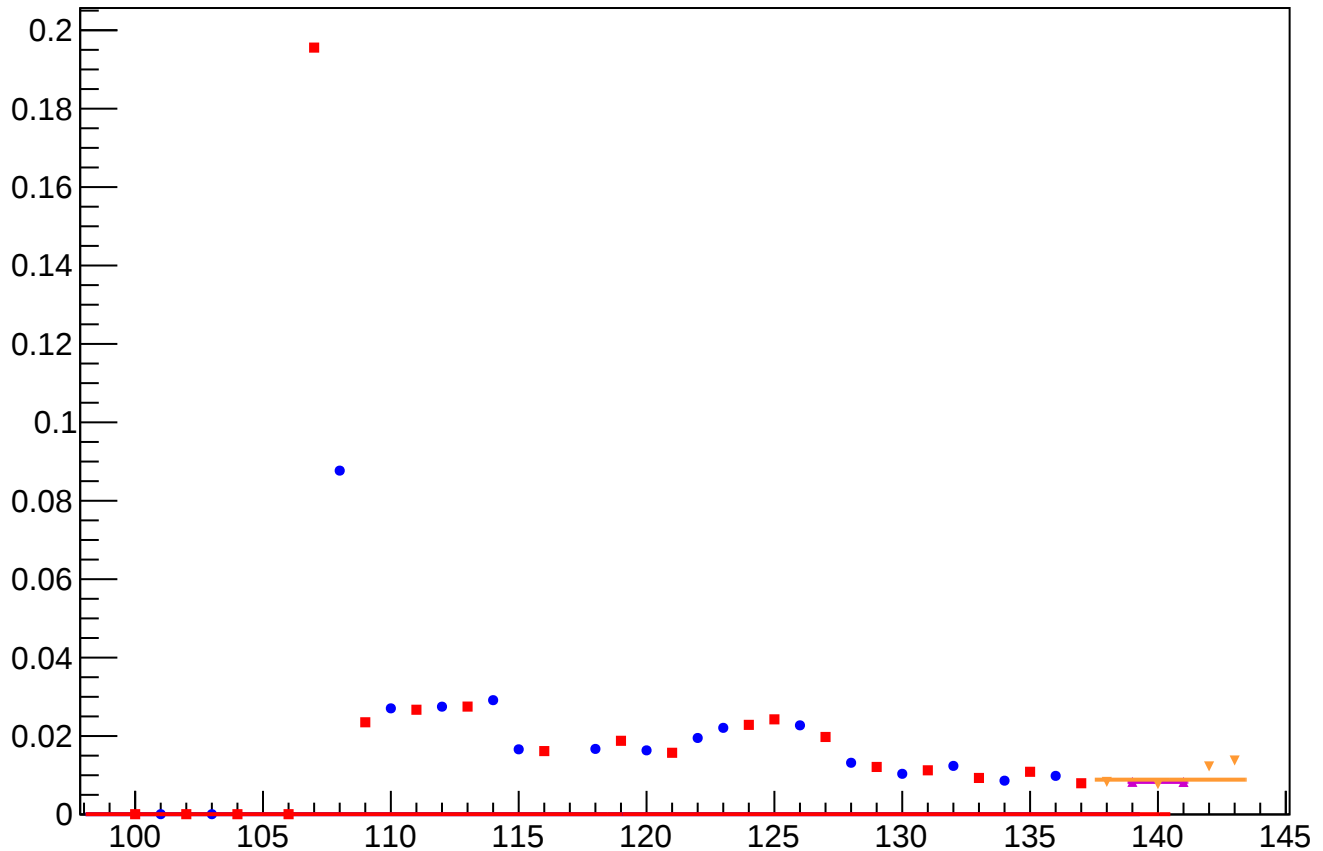
Left In: -0.875+/-0.000 χ^2/NDF : 25652.9/1

+ sign 3.563+/-0.000 χ^2/NDF : 1032897562662.3/20

All: 3.040+/-0.000 χ^2/NDF : 13830151642750

- sign 2.583+/-0.000 χ^2/NDF : 1253760569714474.2

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9814021.8/16

Left Out: 0.009+/-0.000 χ^2/NDF : 222968.5/3

Right Out: 0.000+/-0.000 χ^2/NDF : 9837255.2/18

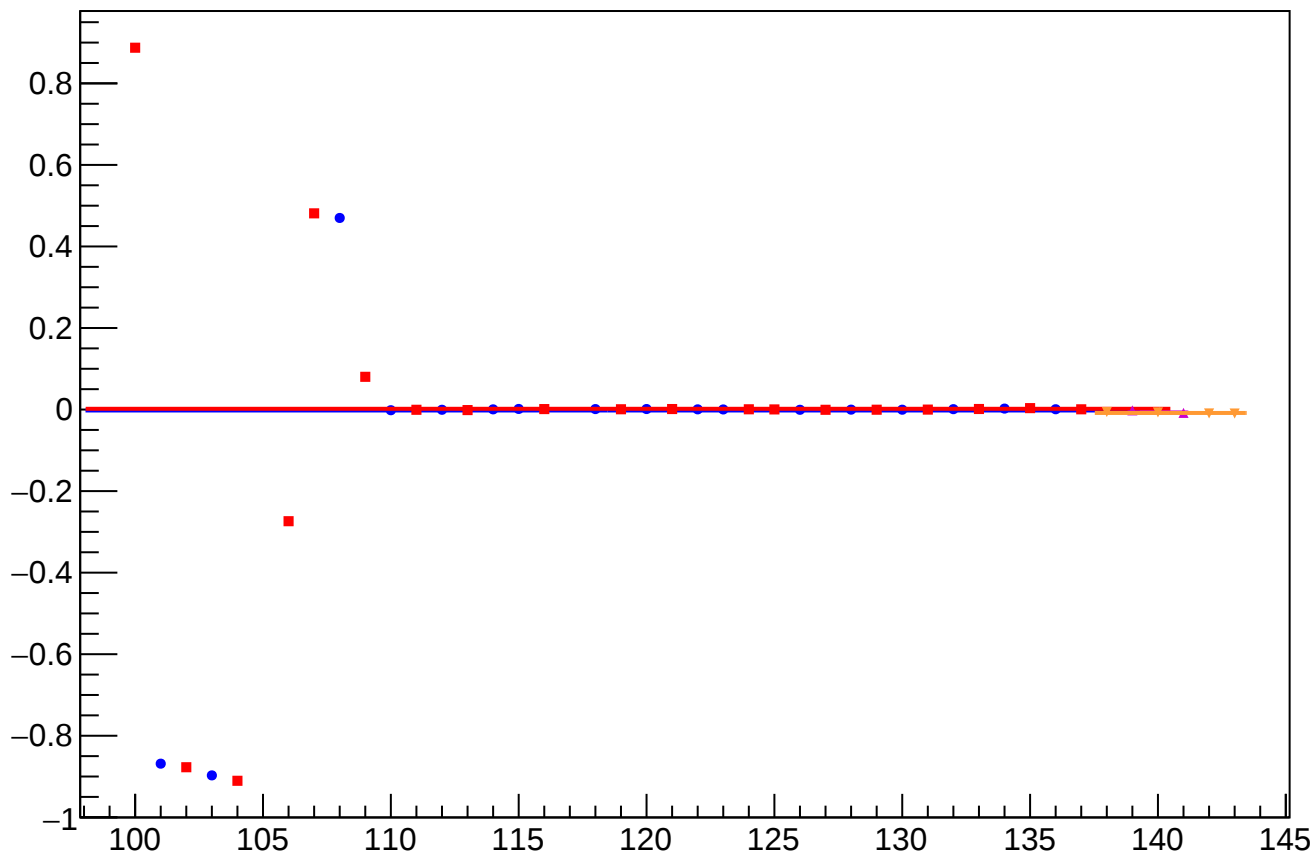
Left In: 0.008+/-0.000 χ^2/NDF : 6.7/1

+ sign 0.000+/-0.000 χ^2/NDF : 14355682.5/20

All: 0.000+/-0.000 χ^2/NDF : 27093193.8/41

- sign 0.000+/-0.000 χ^2/NDF : 12736994.5/20

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2/NDF : 9795455603.3/16

Left Out: -0.008+/-0.000 χ^2/NDF : 2318972.3/3

Right Out: 0.002+/-0.000 χ^2/NDF : 3041330797.2/18

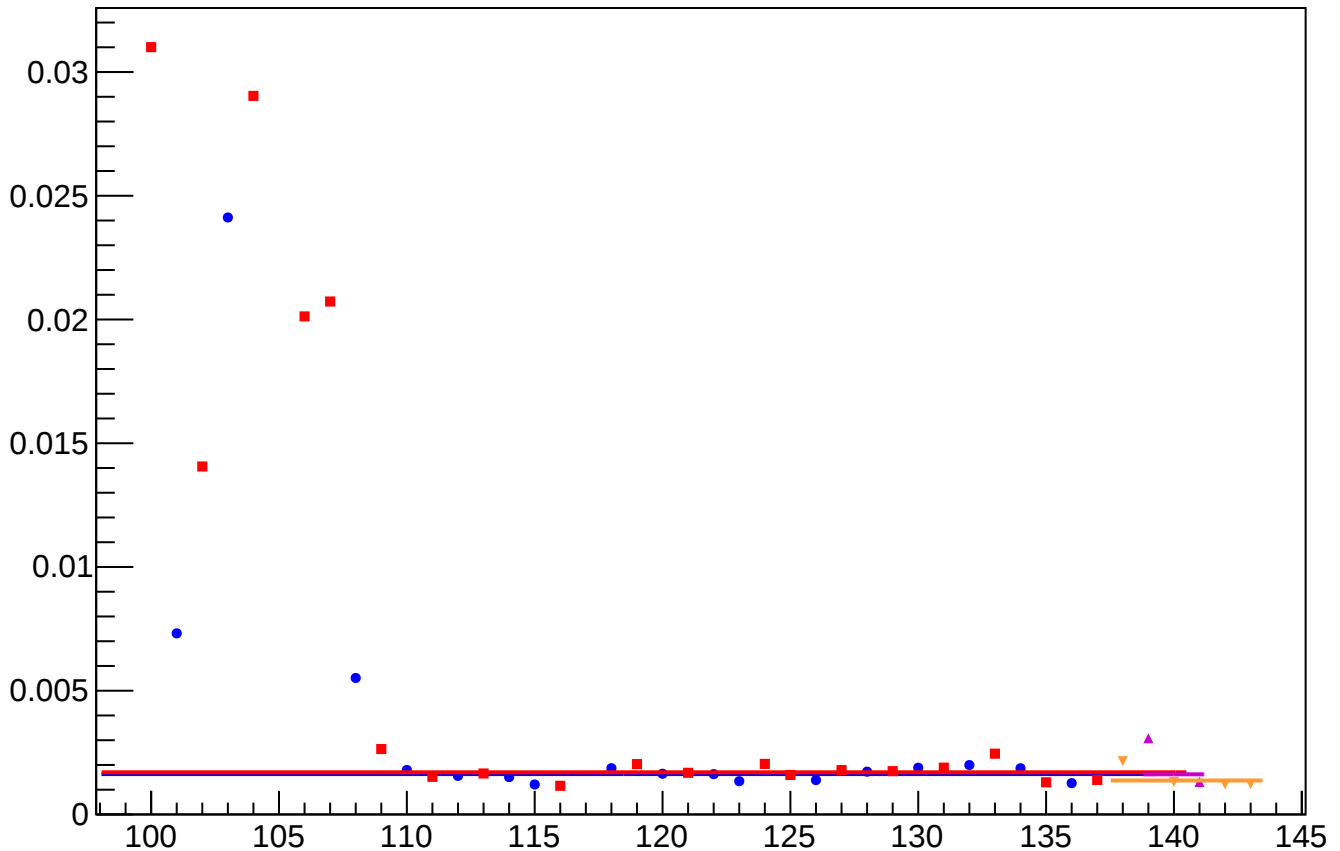
Left In: -0.007+/-0.000 χ^2/NDF : 2238695.5/1

+ sign -0.004+/-0.000 χ^2/NDF : 9820641271.6/20

All: -0.003+/-0.000 χ^2/NDF : 12912413234.8/40

- sign -0.000+/-0.000 χ^2/NDF : 3069236802.2/20

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1922148.8/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:182512.0/3

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3024458.4/18

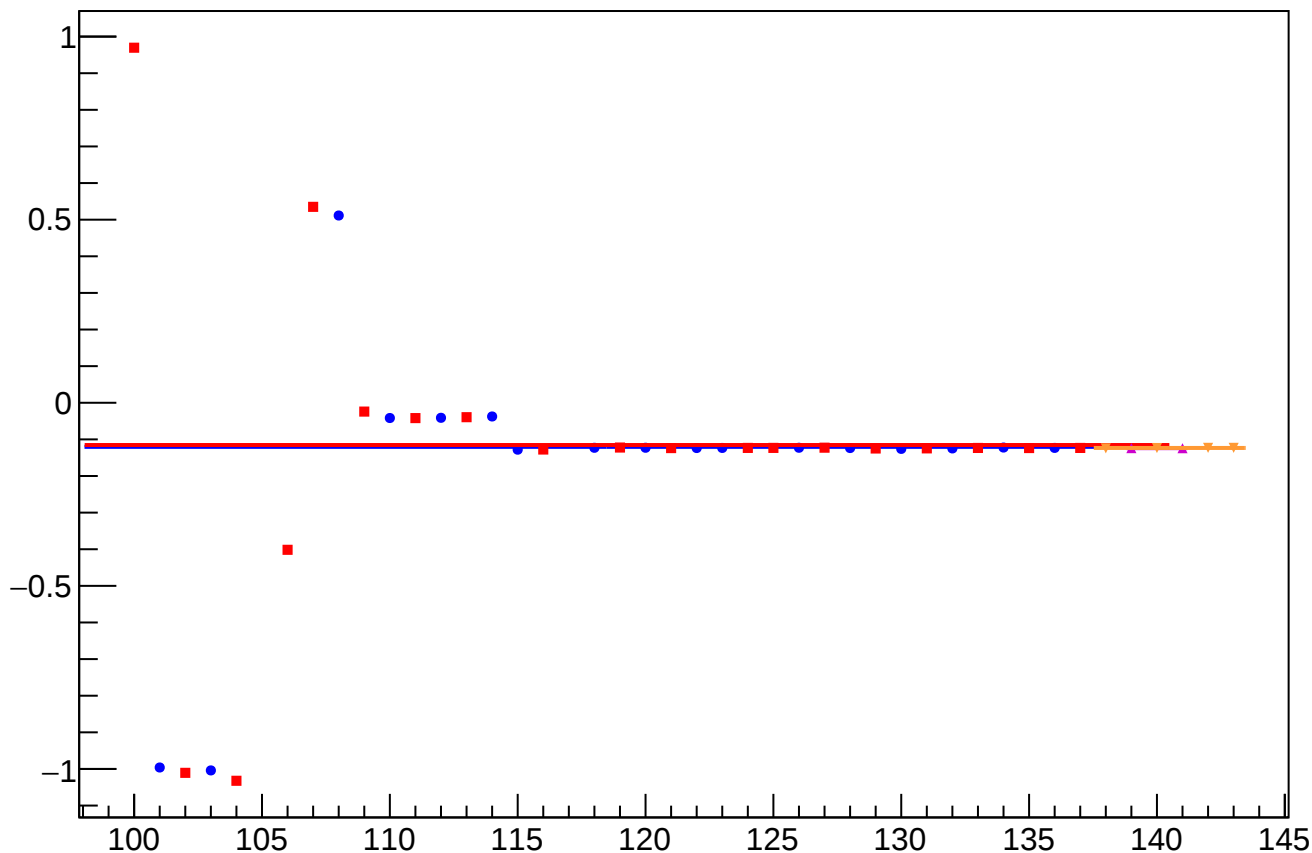
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:366929.9/1

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2187905.6/20

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5633905.2/41

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3395698.5/20

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932772427.7/16

Left Out: -0.123+/-0.000 χ^2/NDF : 458675.3/3

Right Out: -0.115+/-0.000 χ^2/NDF : 2456433698.5/18

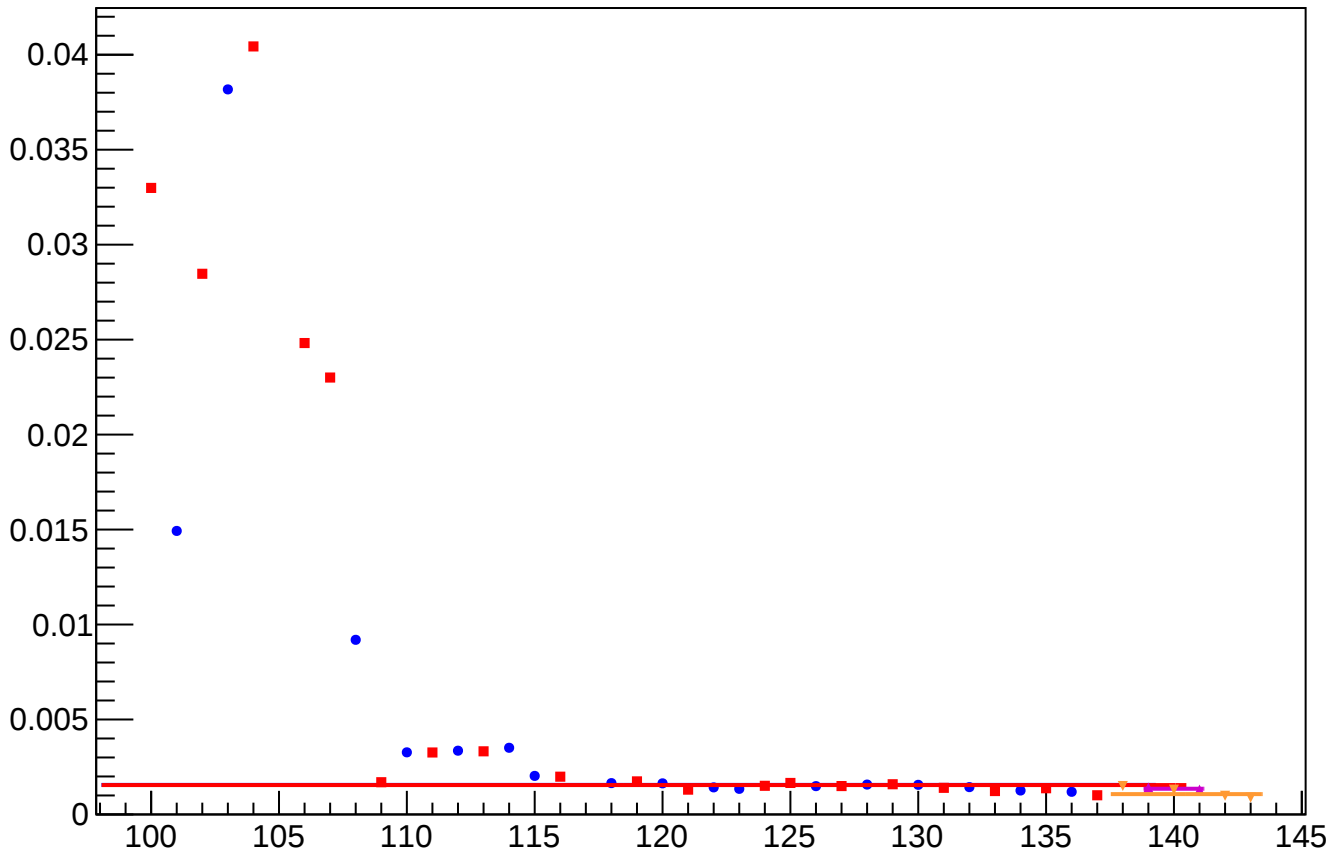
Left In: -0.124+/-0.000 χ^2/NDF : 7495.7/1

+ sign -0.122+/-0.000 χ^2/NDF : 3942404267.4/20

All: -0.120+/-0.000 χ^2/NDF : 6464257100.3/4

- sign -0.118+/-0.000 χ^2/NDF : 2494534911.8/20

yield_cav4cY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2898219.2/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:219178.1/3

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3535649.7/18

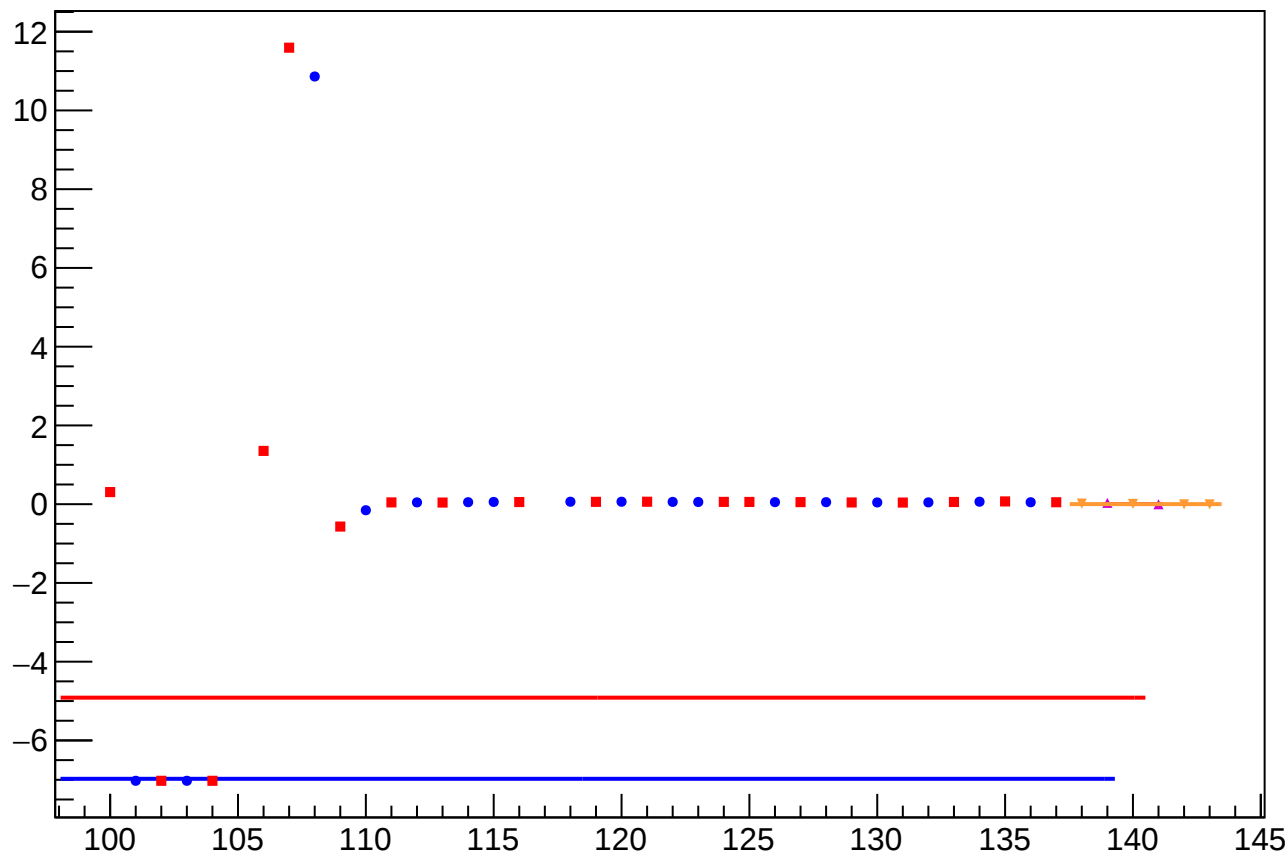
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:4216.6/1

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 3580085.8/20

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 7272046.0/41

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 3578770.8/20

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8797358006083.6/16

Left Out: 0.002+/-0.000 χ^2/NDF :1555166.6/3

Right Out: -4.914+/-0.000 χ^2/NDF : 365352656389636.4/18

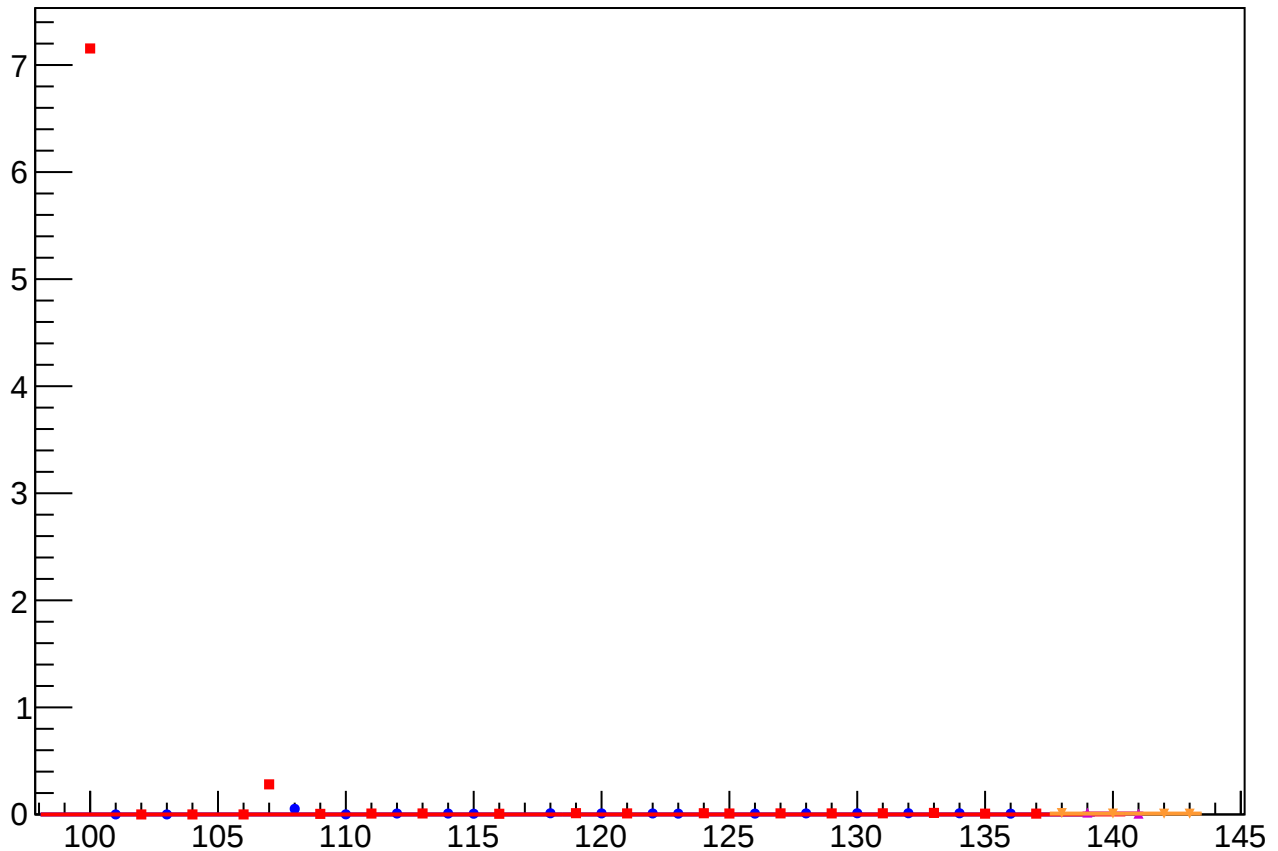
Left In: 0.004+/-0.000 χ^2/NDF :2309134.5/1

+ sign -6.967+/-0.000 χ^2/NDF : 10156777287746.7/16

All: -5.895+/-0.000 χ^2/NDF : 4317305765170

- sign -4.912+/-0.000 χ^2/NDF : 365647142147111.3

yield_cav4dX_rms vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 8350428.8/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:180664.4/3

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8775433.1/18

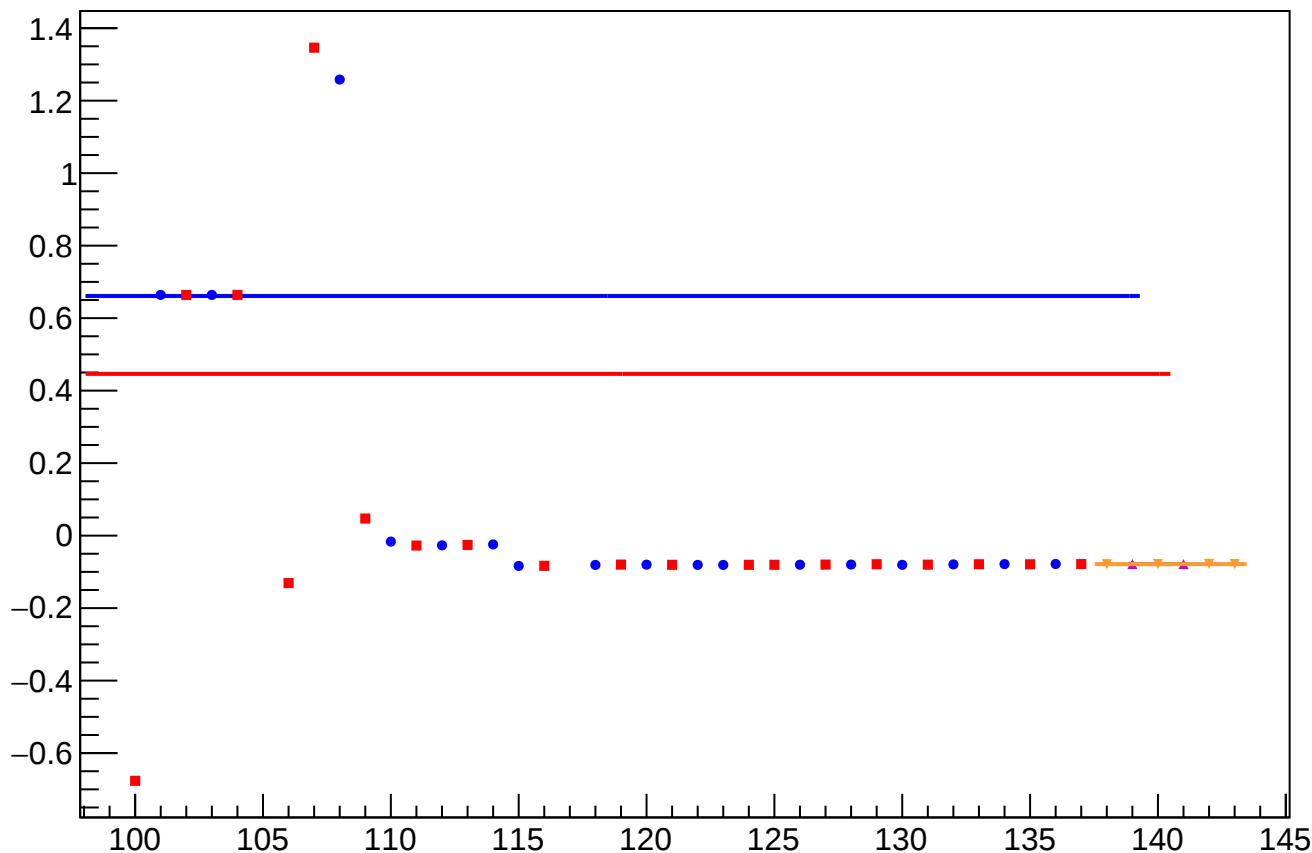
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:364855.7/1

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 12113883.5/20

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 23319601.7/41

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 11203845.5/20

yield_cav4dY_mean vs Slug



Right In: 0.661+/-0.000 χ^2/NDF : 5658672217179.3/16

Left Out: -0.079+/-0.000 χ^2/NDF : 482608.4/3

Right Out: 0.446+/-0.000 χ^2/NDF : 405428422570886.0/18

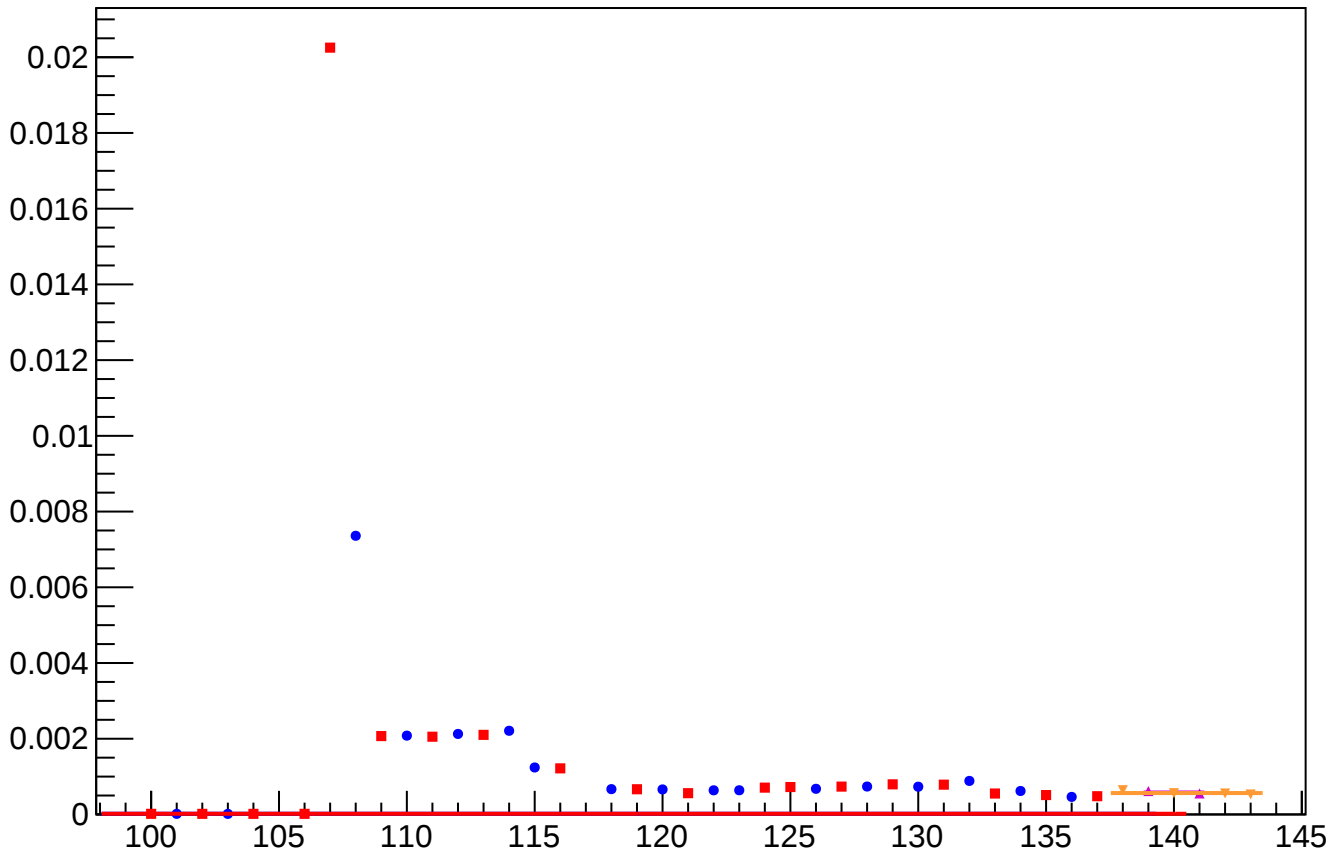
Left In: -0.078+/-0.000 χ^2/NDF : 5731.0/1

+ sign 0.659+/-0.000 χ^2/NDF : 10051260840128.2/2

All: 0.547+/-0.000 χ^2/NDF : 47886208358973

- sign 0.445+/-0.000 χ^2/NDF : 406618048103625.1/1

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9958320.7/16

Left Out: 0.001+/-0.000 χ^2/NDF : 27188.3/3

Right Out: 0.000+/-0.000 χ^2/NDF : 9460895.3/18

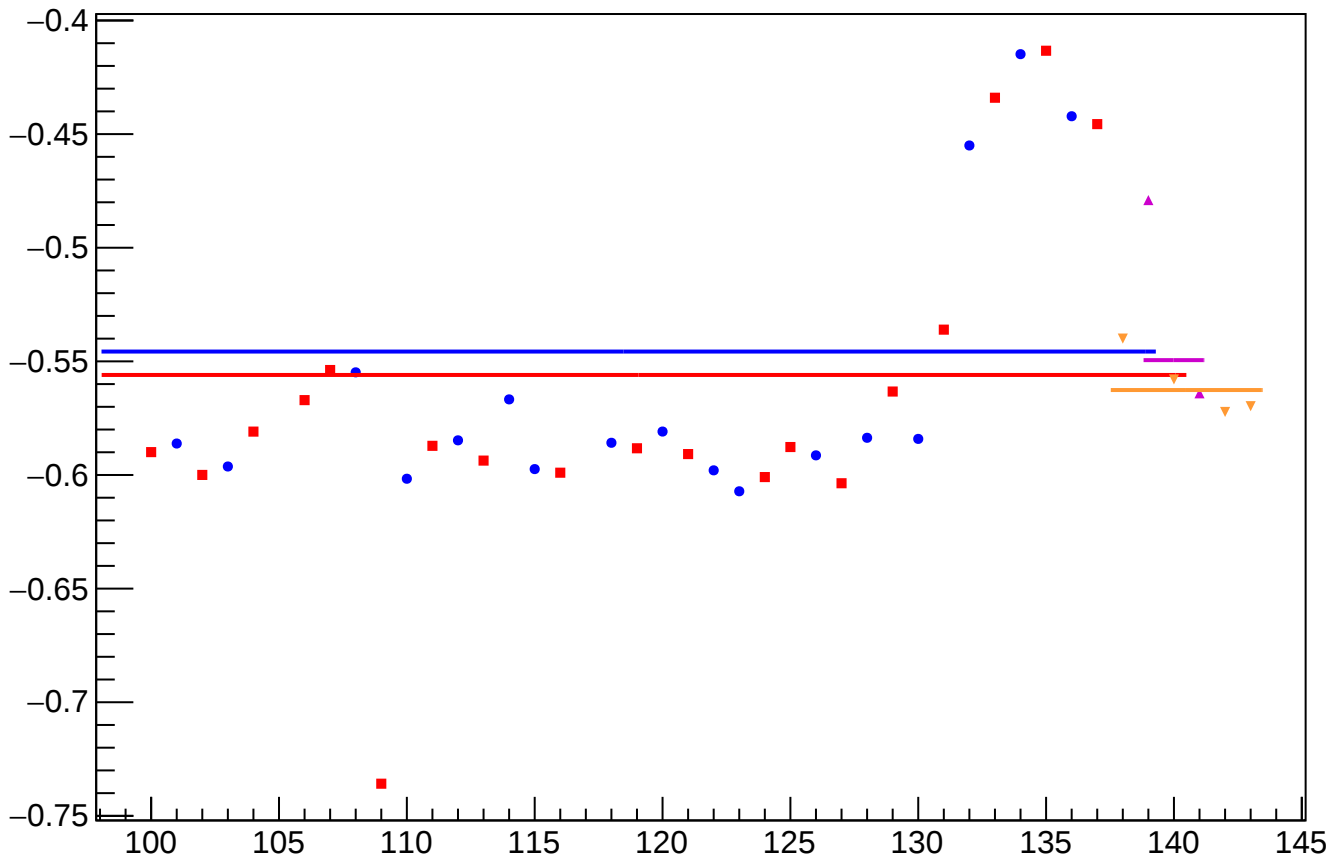
Left In: 0.001+/-0.000 χ^2/NDF : 8225.6/1

+ sign 0.000+/-0.000 χ^2/NDF : 14789255.0/20

All: 0.000+/-0.000 χ^2/NDF : 26986898.1/41

- sign 0.000+/-0.000 χ^2/NDF : 12195382.7/20

yield_bpm4aX_mean vs Slug



Right In: -0.546 ± 0.000 $\chi^2/\text{NDF}: 46331446.0/16$

Left Out: -0.563 ± 0.000 $\chi^2/\text{NDF}: 634110.0/3$

Right Out: -0.556 ± 0.000 $\chi^2/\text{NDF}: 64058429.8/18$

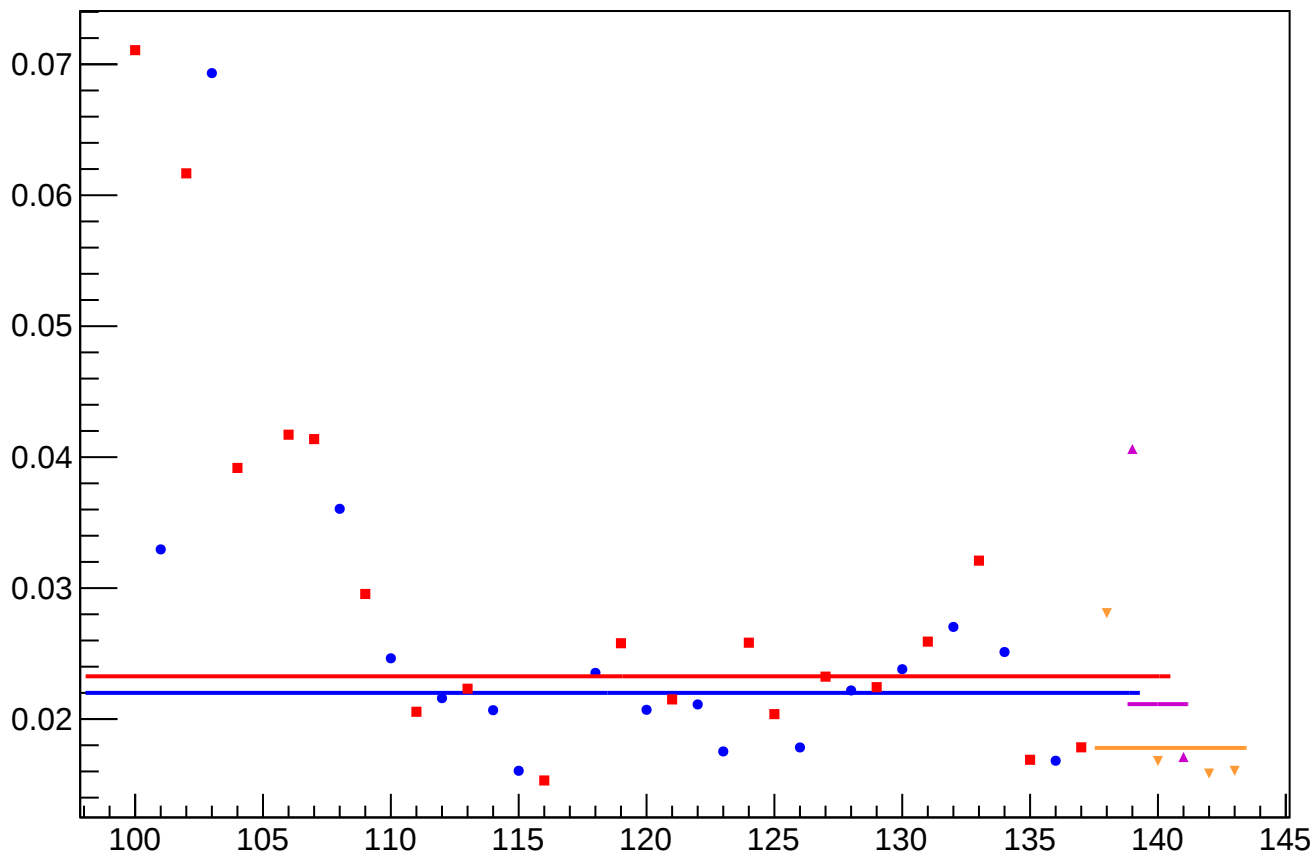
Left In: -0.549 ± 0.000 $\chi^2/\text{NDF}: 2453960.7/1$

+ sign -0.552 ± 0.000 $\chi^2/\text{NDF}: 48039069.3/20$

All: -0.553 ± 0.000 $\chi^2/\text{NDF}: 114696472.7/41$

- sign -0.555 ± 0.000 $\chi^2/\text{NDF}: 66594112.0/20$

yield_bpm4aX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 959677.4/16

Left Out: 0.018 $\pm$ 0.000 χ^2 /NDF:183582.6/3

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1155060.8/18

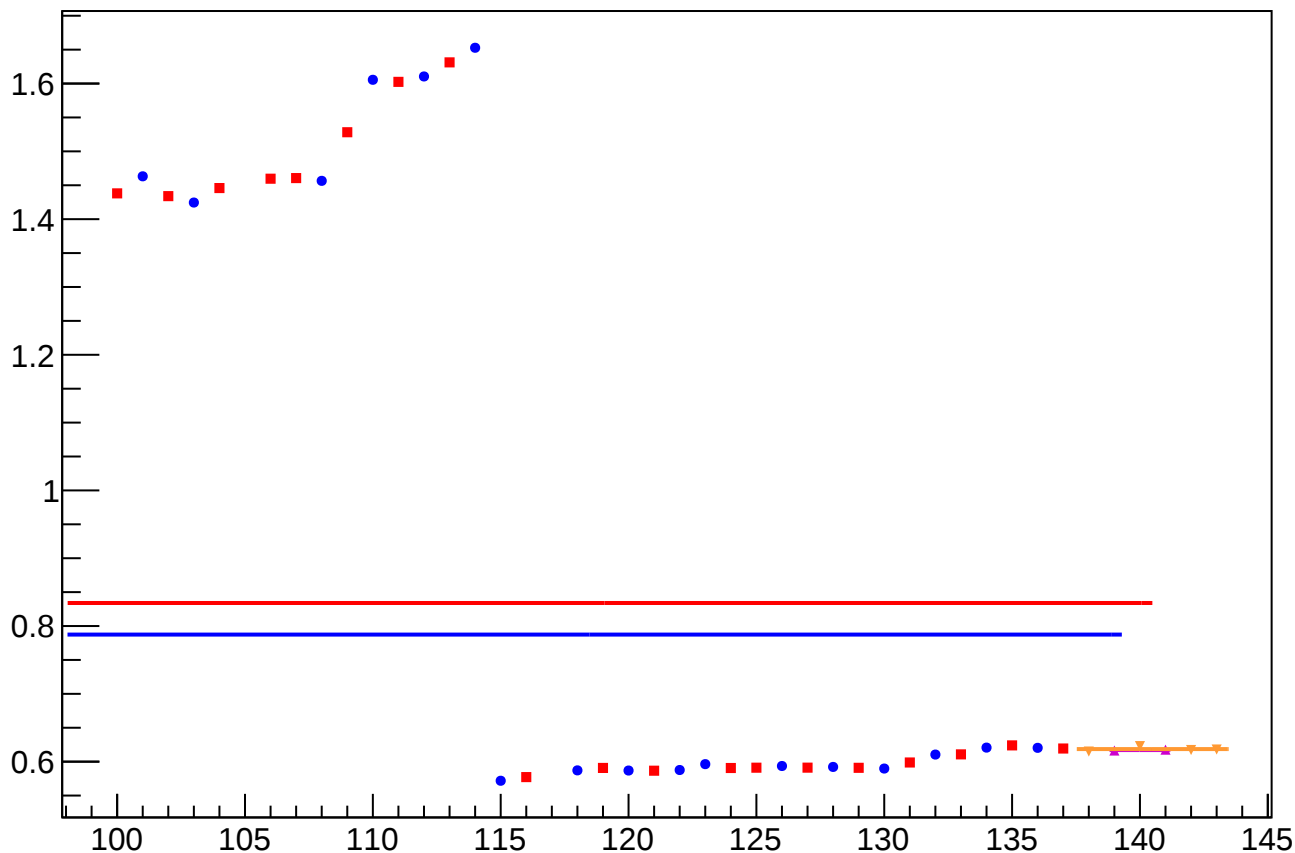
Left In: 0.021 $\pm$ 0.000 χ^2 /NDF:375635.3/1

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 1275497.6/20

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 2900352.8/41

- sign 0.023 $\pm$ 0.000 χ^2 /NDF: 1548036.6/20

yield_bpm4aY_mean vs Slug



Right In: 0.787 $\pm$ 0.000 χ^2 /NDF: 3581416919.1/16

Left Out: 0.619 $\pm$ 0.000 χ^2 /NDF:181735.9/3

Right Out: 0.834 $\pm$ 0.000 χ^2 /NDF: 4150651936.4/18

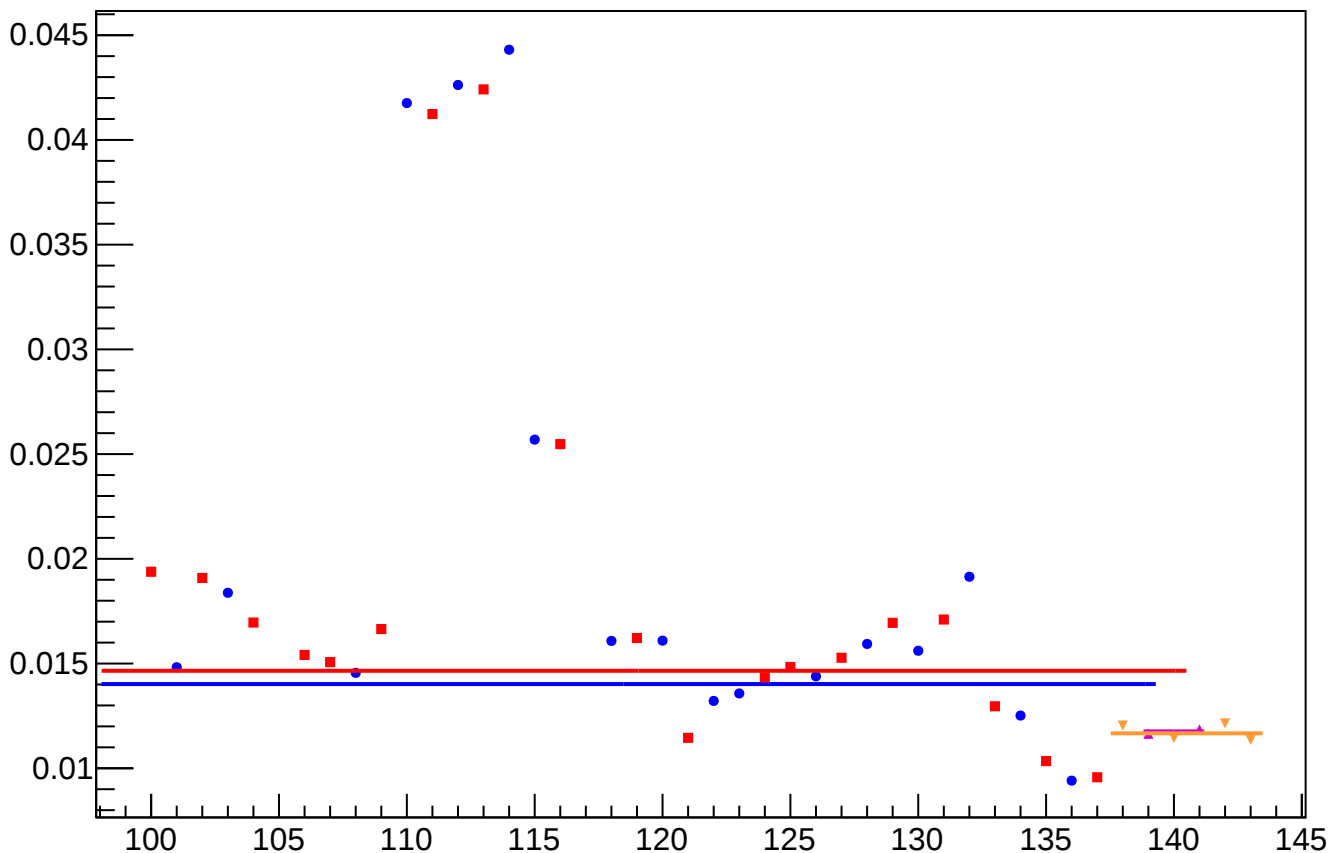
Left In: 0.617 $\pm$ 0.000 χ^2 /NDF:4218.5/1

+ sign 0.720 $\pm$ 0.000 χ^2 /NDF: 3910488243.6/20

All: 0.744 $\pm$ 0.000 χ^2 /NDF: 8487129261.2/41

- sign 0.774 $\pm$ 0.000 χ^2 /NDF: 4513676561.5/20

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1399935.4/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:4346.9/3

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1262071.4/18

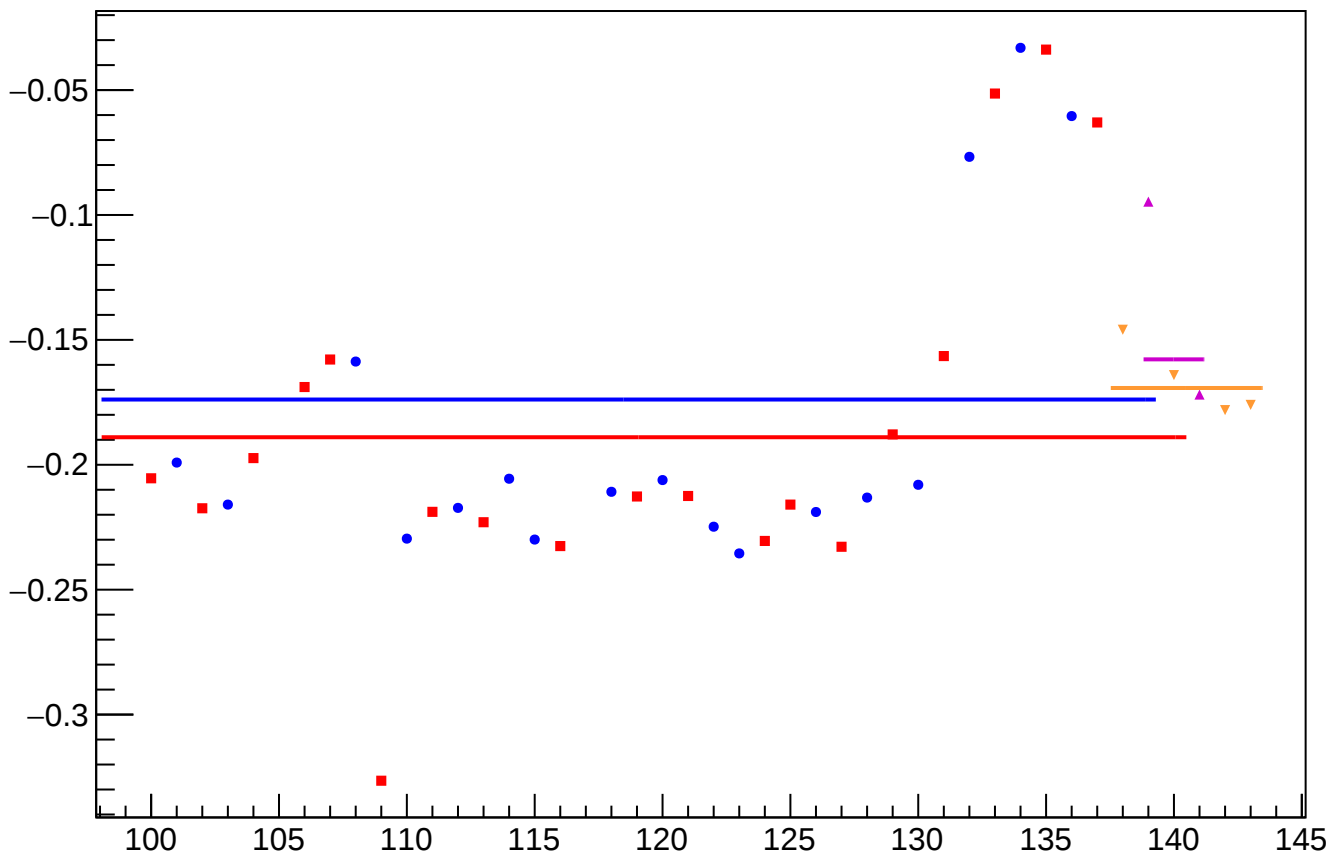
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:239.4/1

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1531876.8/20

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 2949180.6/41

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1391537.8/20

yield_bpm4eX_mean vs Slug



Right In: -0.174+/-0.000 χ^2/NDF : 66778428.3/16

Left Out: -0.169+/-0.000 χ^2/NDF : 692225.2/3

Right Out: -0.189+/-0.000 χ^2/NDF : 81975900.9/18

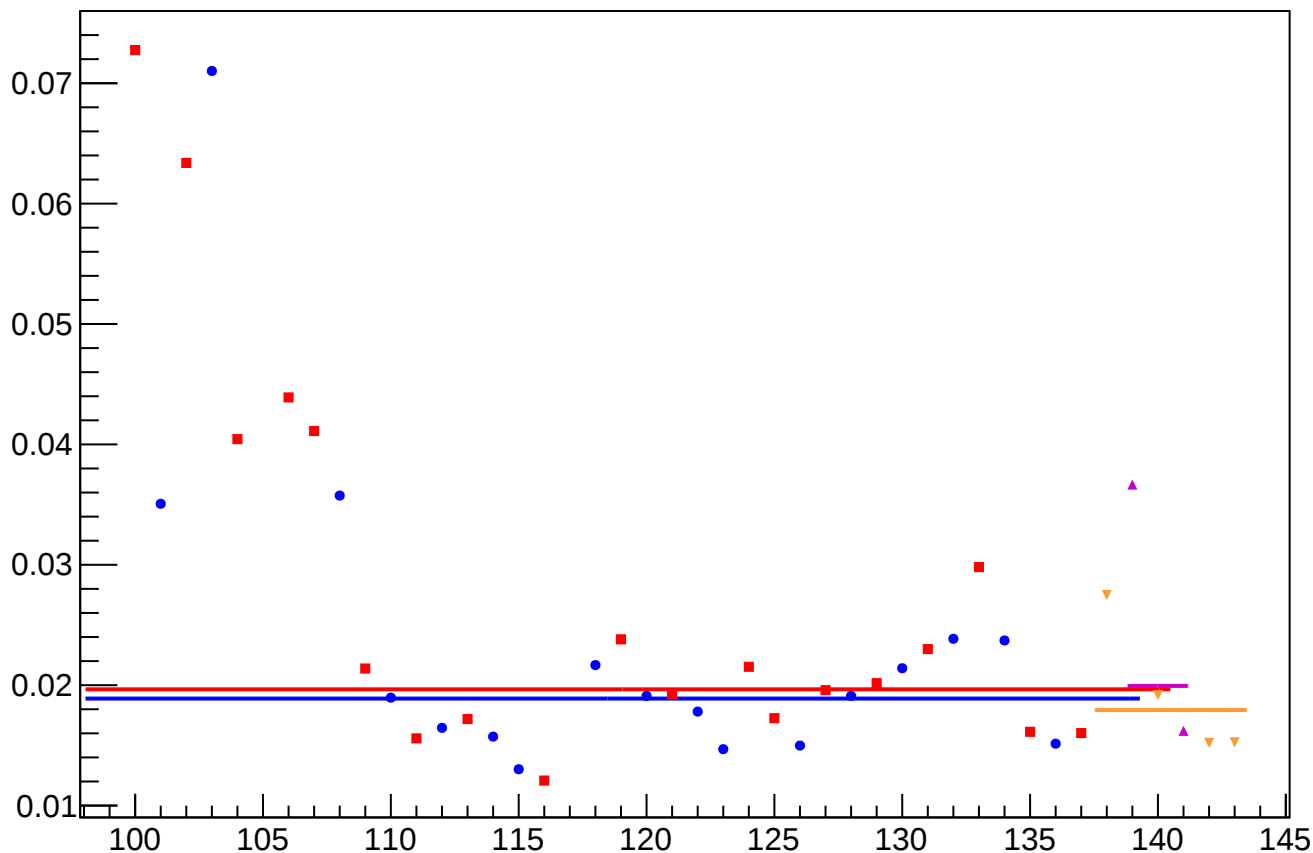
Left In: -0.158+/-0.000 χ^2/NDF : 2448470.4/1

+ sign -0.172+/-0.000 χ^2/NDF : 67560326.6/20

All: -0.177+/-0.000 χ^2/NDF : 155319623.8/41

- sign -0.184+/-0.000 χ^2/NDF : 86643682.3/20

yield_bpm4eX_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 1211816.5/16

Left Out: 0.018 $\pm$ 0.000 χ^2 /NDF:206441.1/3

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 1454143.7/18

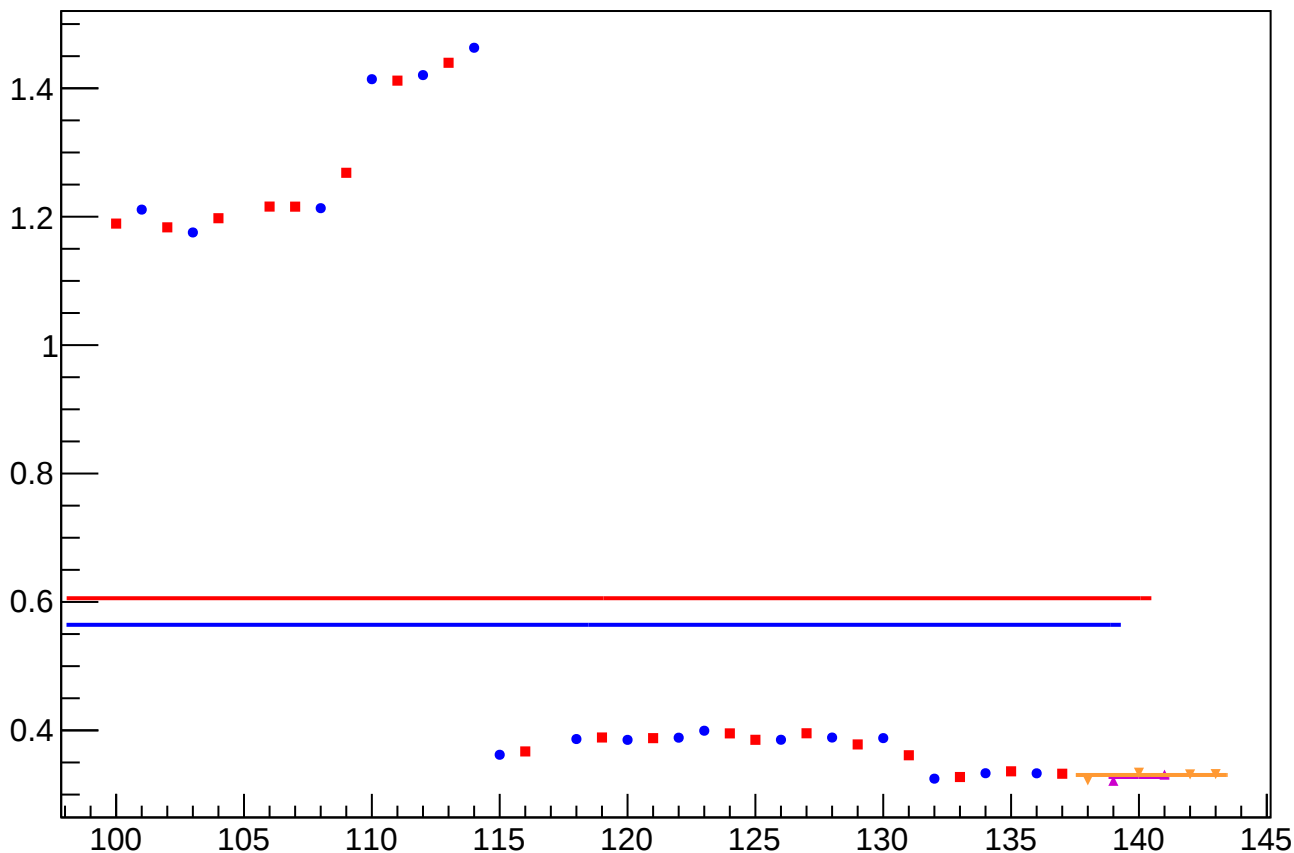
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:343698.5/1

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 1425890.3/20

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 3245833.6/41

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1798205.0/20

yield_bpm4eY_mean vs Slug



Right In: 0.564+/-0.000 χ^2/NDF : 5040911893.3/16

Left Out: 0.331+/-0.000 χ^2/NDF : 360215.7/3

Right Out: 0.606+/-0.000 χ^2/NDF : 5529469116.6/18

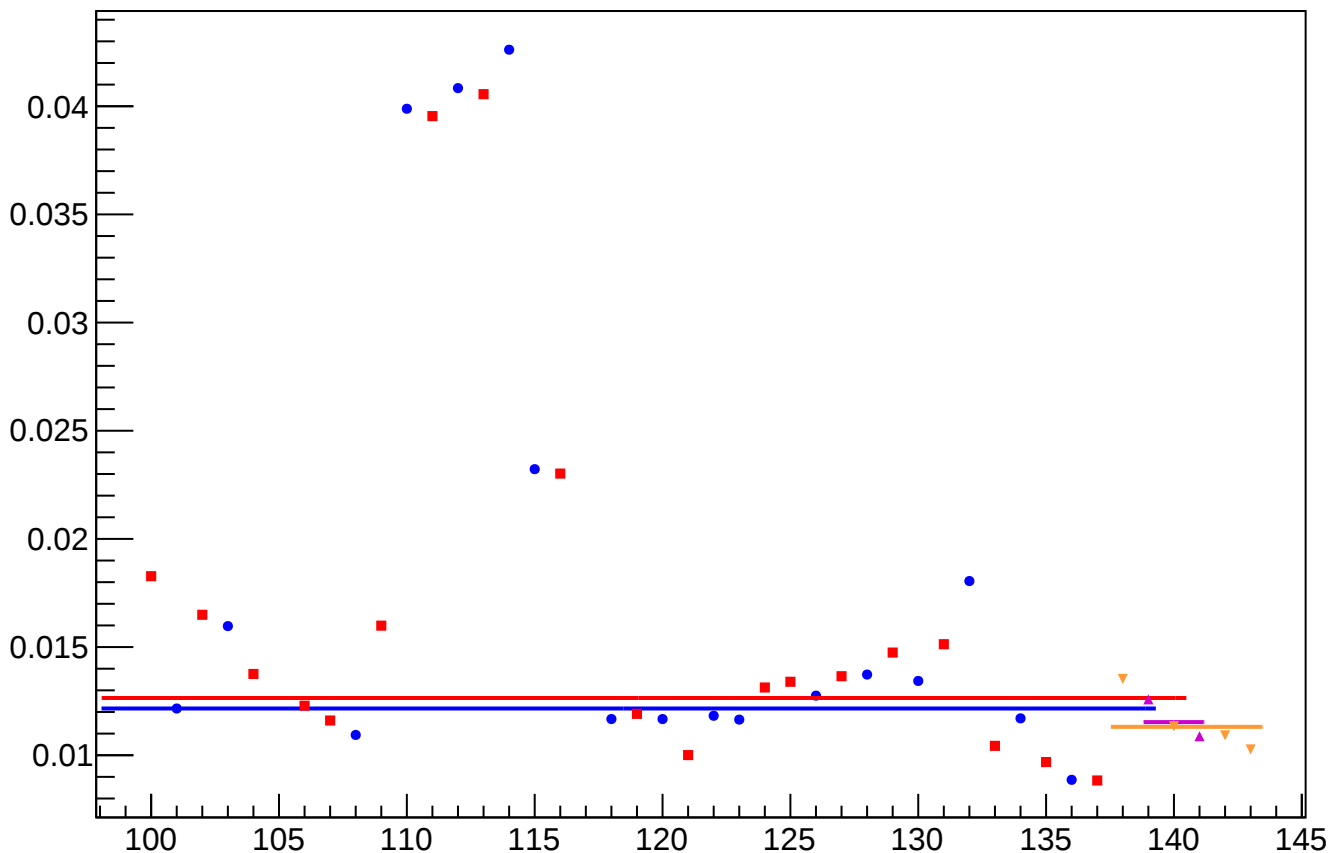
Left In: 0.327+/-0.000 χ^2/NDF : 236183.0/1

+ sign 0.484+/-0.000 χ^2/NDF : 5761066297.6/20

All: 0.510+/-0.000 χ^2/NDF : 12031688551.1/4

- sign 0.542+/-0.000 χ^2/NDF : 6181923995.1/20

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1304124.1/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:54130.4/3

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1268972.5/18

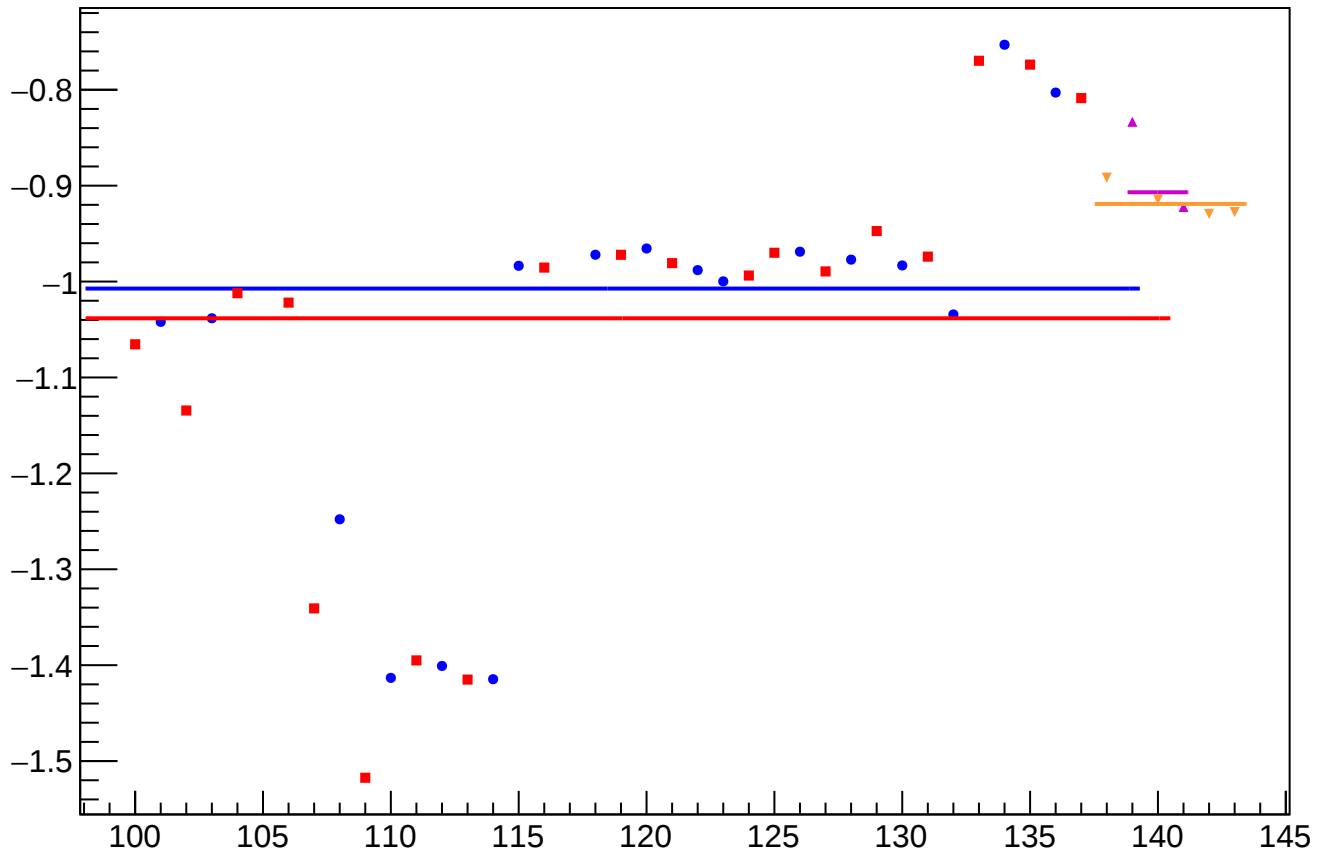
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:14978.4/1

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1377159.6/20

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 2696308.1/41

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1304853.3/20

yield_bpm4acX_mean vs Slug



Right In: -1.007 ± 0.000 χ^2/NDF : 393589325.7/16

Left Out: -0.919 ± 0.000 χ^2/NDF : 917809.6/3

Right Out: -1.038 ± 0.000 χ^2/NDF : 535629570.0/18

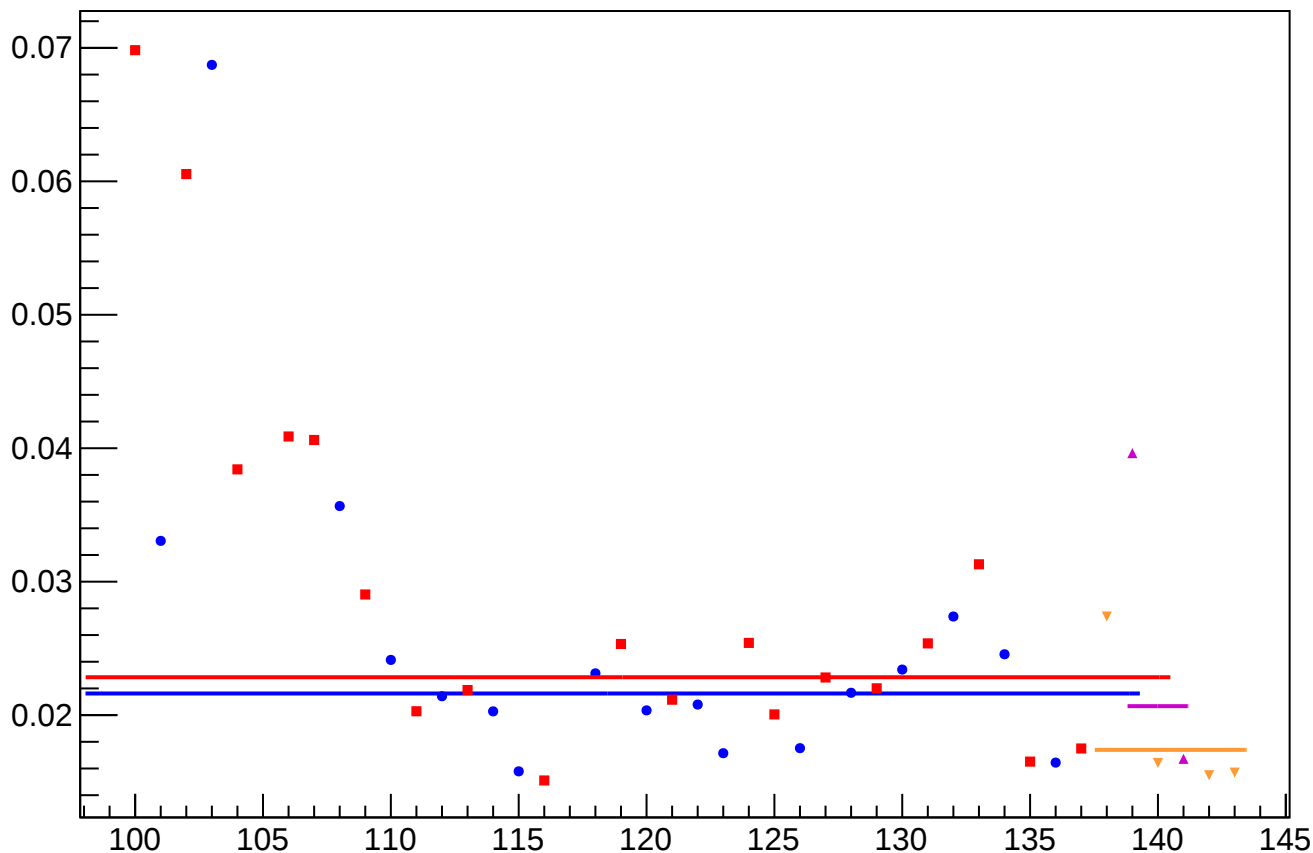
Left In: -0.907 ± 0.000 χ^2/NDF : 2809852.3/1

+ sign -0.976 ± 0.000 χ^2/NDF : 424905154.8/20

All: -0.991 ± 0.000 χ^2/NDF : 1007794168.1/4

- sign -1.012 ± 0.000 χ^2/NDF : 573096021.2/20

yield_bpm4acX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 984588.1/16

Left Out: 0.017+/-0.000 χ^2/NDF : 182015.8/3

Right Out: 0.023+/-0.000 χ^2/NDF : 1150914.8/18

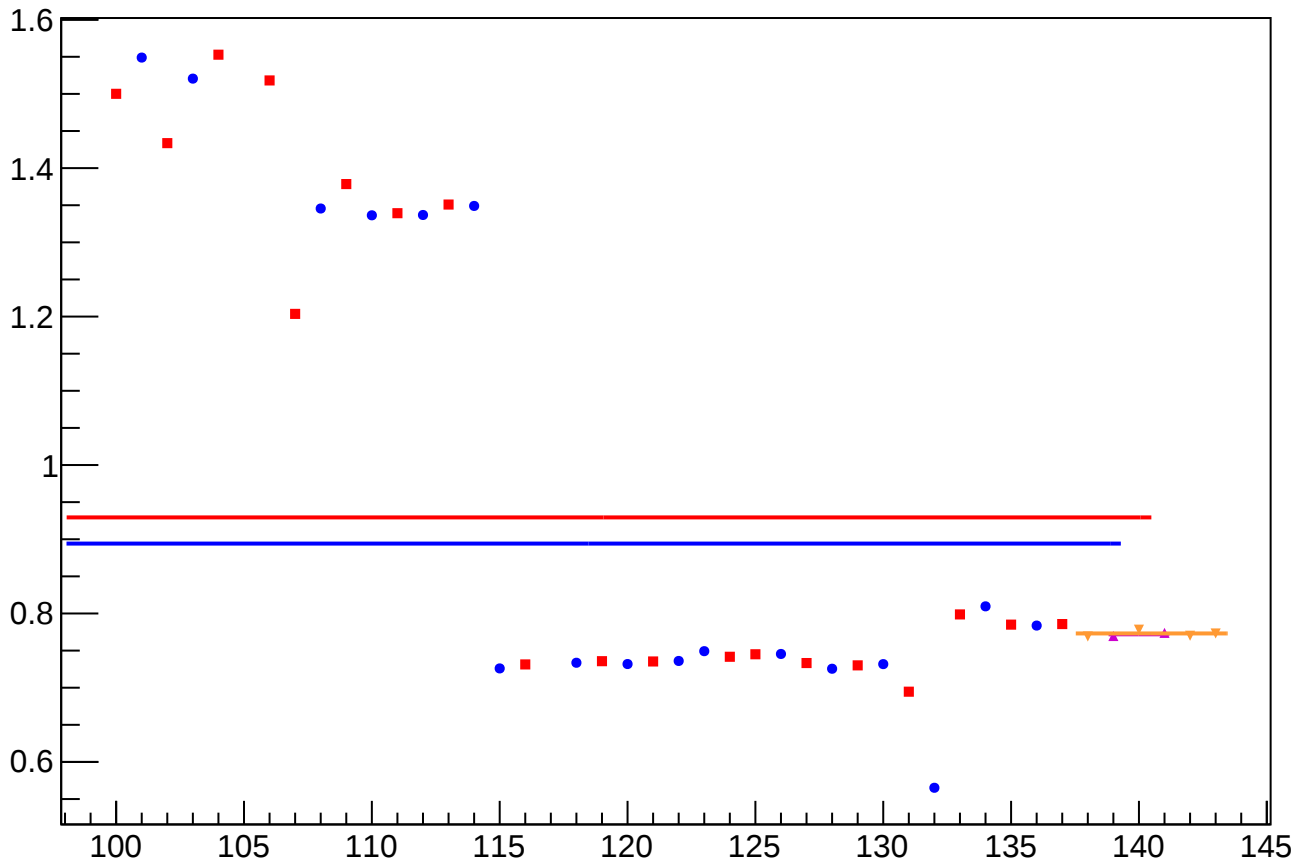
Left In: 0.021+/-0.000 χ^2/NDF : 374006.1/1

+ sign 0.020+/-0.000 χ^2/NDF : 1305956.9/20

All: 0.021+/-0.000 χ^2/NDF : 2926855.3/41

- sign 0.022+/-0.000 χ^2/NDF : 1543769.9/20

yield_bpm4acY_mean vs Slug



Right In: 0.894+/-0.000 χ^2/NDF : 2399022212.9/16

Left Out: 0.773+/-0.000 χ^2/NDF : 257965.2/3

Right Out: 0.929+/-0.000 χ^2/NDF : 2422023767.8/18

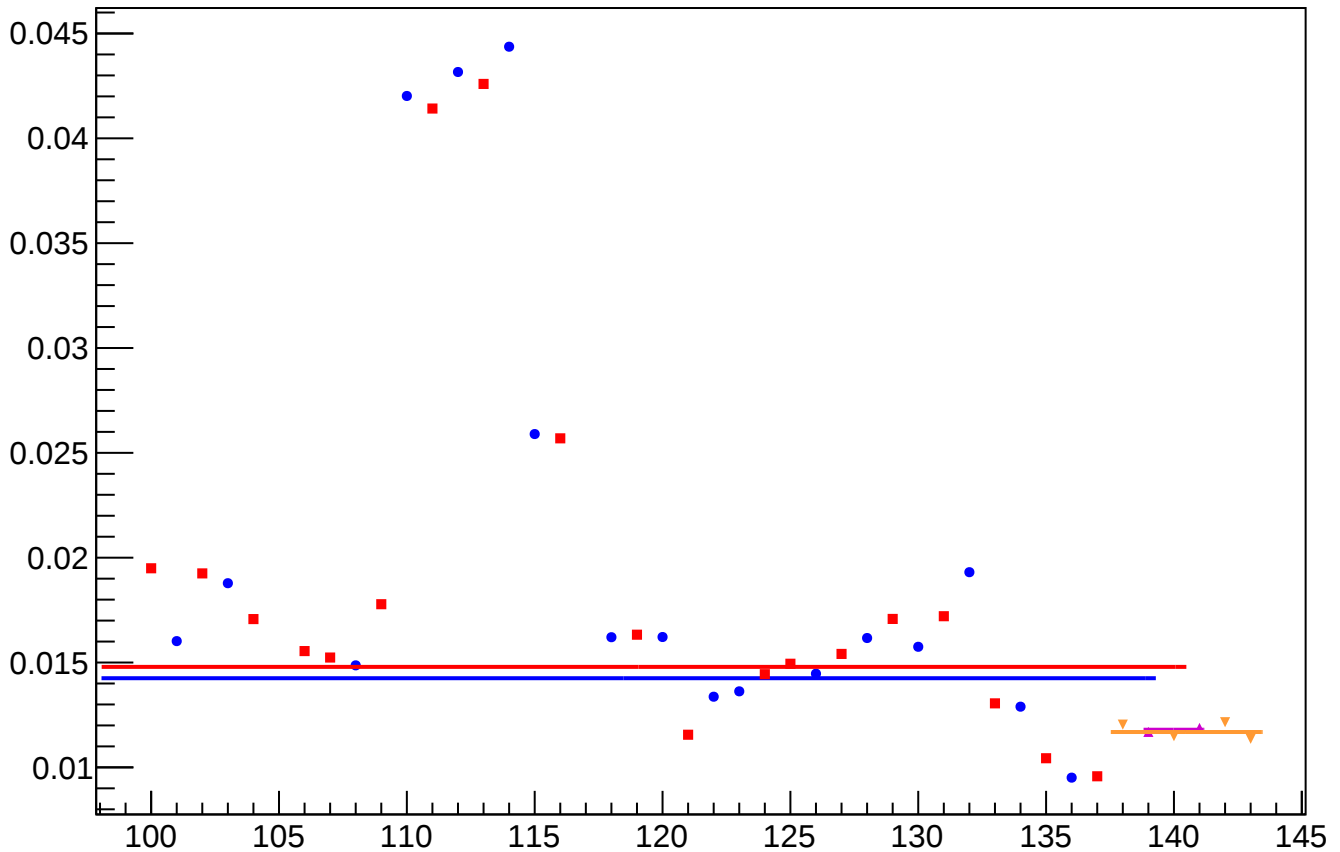
Left In: 0.772+/-0.000 χ^2/NDF : 46938.3/1

+ sign 0.845+/-0.000 χ^2/NDF : 2565484256.0/20

All: 0.863+/-0.000 χ^2/NDF : 5211724741.6/41

- sign 0.885+/-0.000 χ^2/NDF : 2611532897.3/20

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1409964.0/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:4121.3/3

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1271820.6/18

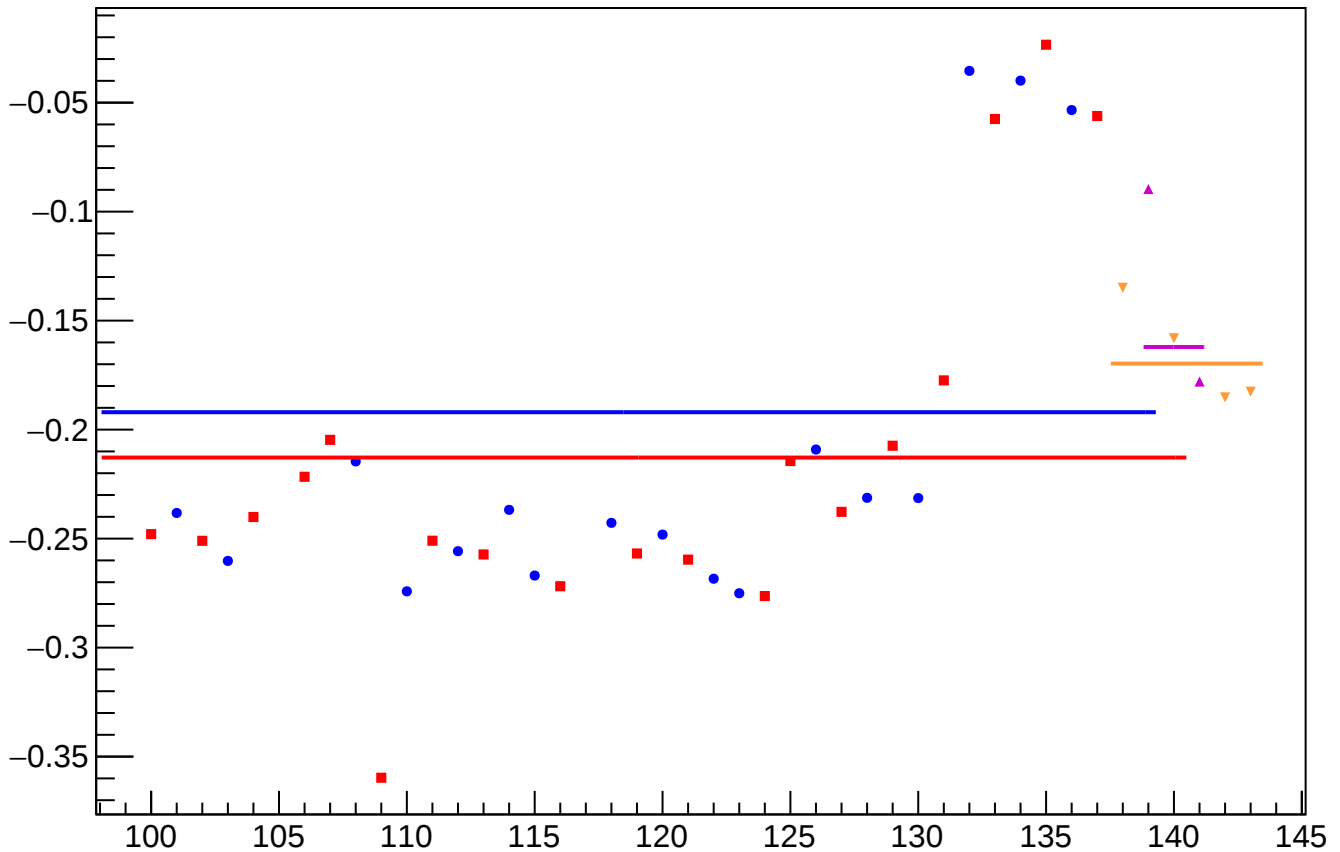
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:193.7/1

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1563328.2/20

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2996232.9/41

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1409271.9/20

yield_bpm4ecX_mean vs Slug



Right In: -0.192+/-0.000 χ^2/NDF : 106200458.9/16

Left Out: -0.170+/-0.000 χ^2/NDF : 1985158.9/3

+ sign -0.185+/-0.000 χ^2/NDF : 110329169.4/20

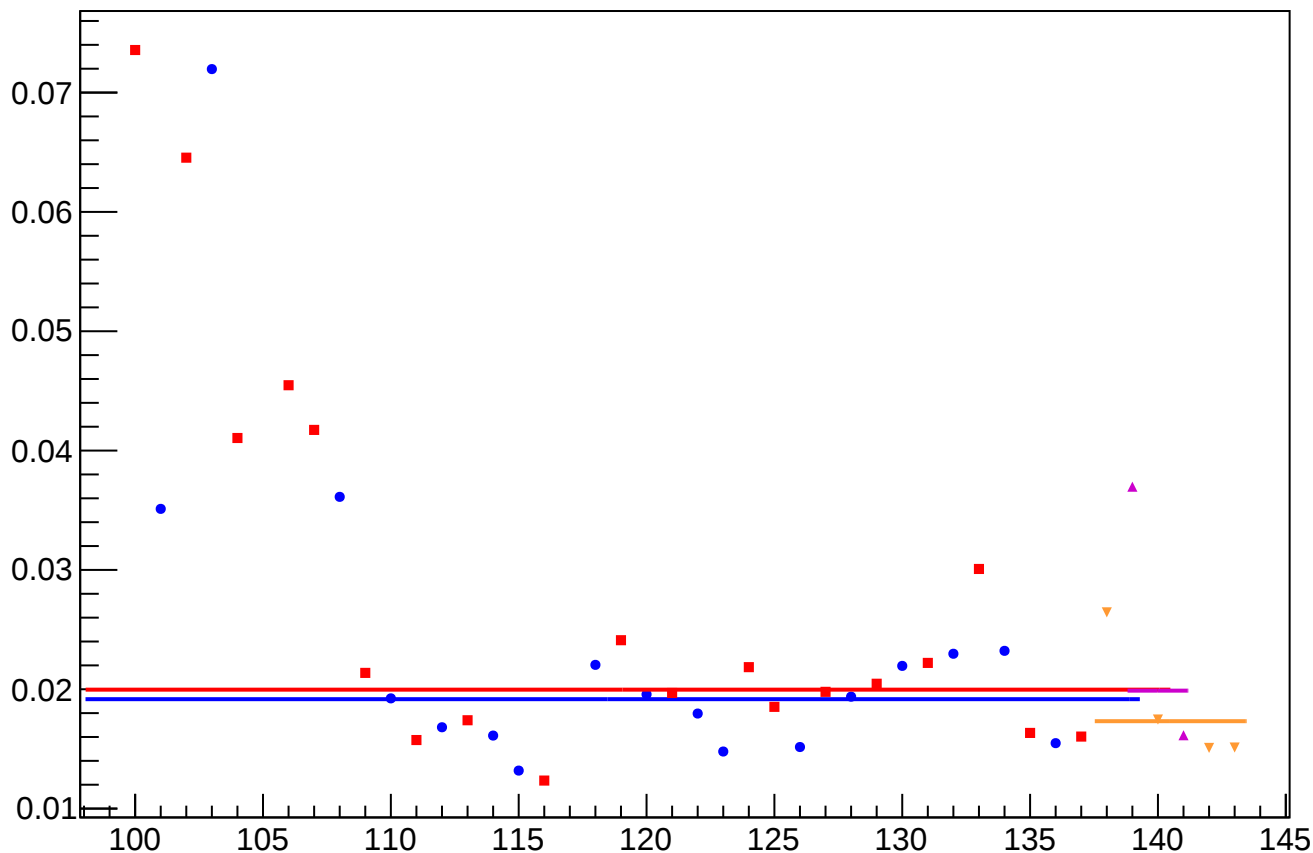
Right Out: -0.213+/-0.000 χ^2/NDF : 110522593.6/18

All: -0.193+/-0.000 χ^2/NDF : 233006816.5/41

- sign -0.204+/-0.000 χ^2/NDF : 119509772.7/20

Left In: -0.162+/-0.000 χ^2/NDF : 3157030.9/1

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1182752.8/16

Left Out: 0.017+/-0.000 χ^2/NDF :179515.5/3

Right Out: 0.020+/-0.000 χ^2/NDF : 1445067.6/18

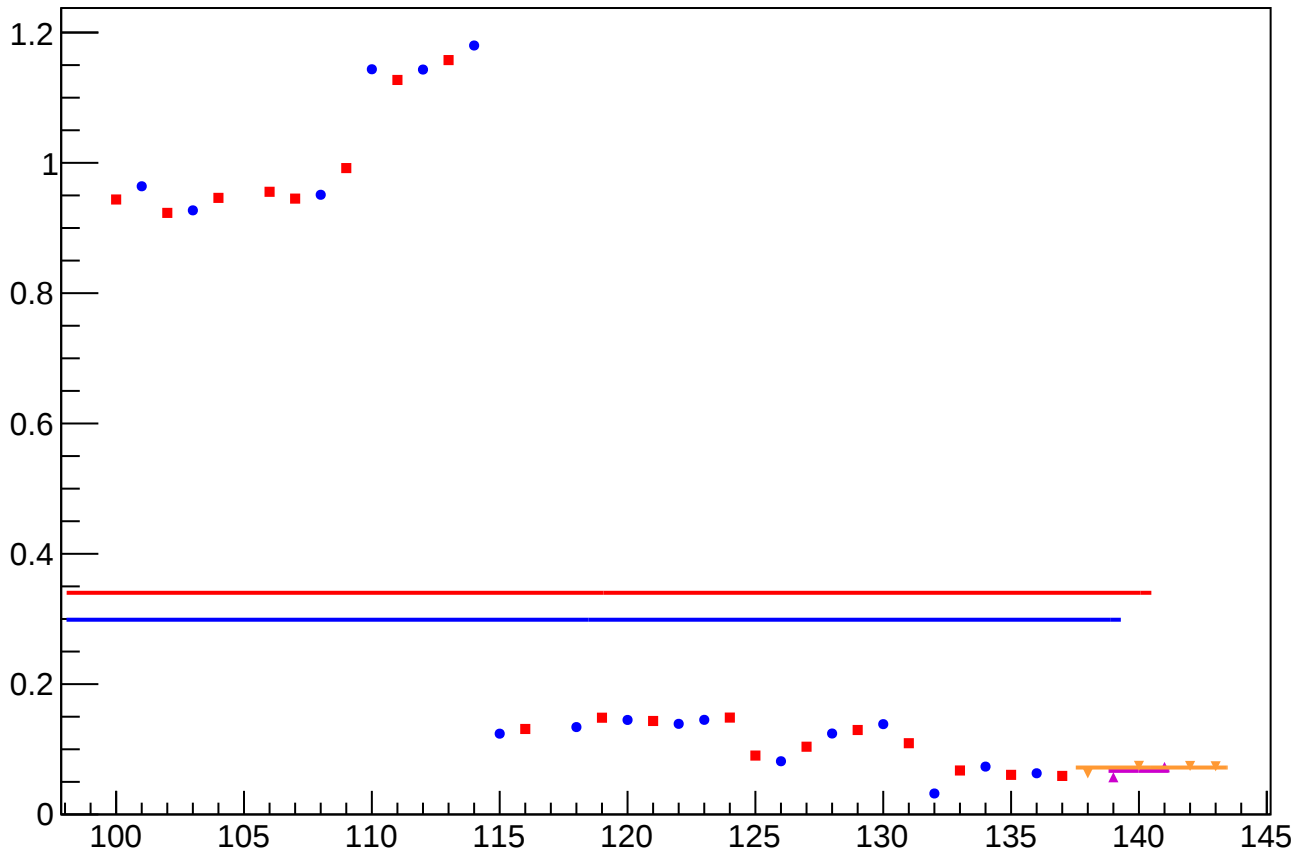
Left In: 0.020+/-0.000 χ^2/NDF :351007.1/1

+ sign 0.019+/-0.000 χ^2/NDF : 1391553.2/20

All: 0.019+/-0.000 χ^2/NDF : 3220458.3/41

- sign 0.020+/-0.000 χ^2/NDF : 1796105.9/20

yield_bpm4ecY_mean vs Slug



Right In: 0.299 $\pm$ 0.000 χ^2 /NDF: 5180137730.5/16

Left Out: 0.072 $\pm$ 0.000 χ^2 /NDF:436646.0/3

Right Out: 0.340 $\pm$ 0.000 χ^2 /NDF: 5473541358.4/18

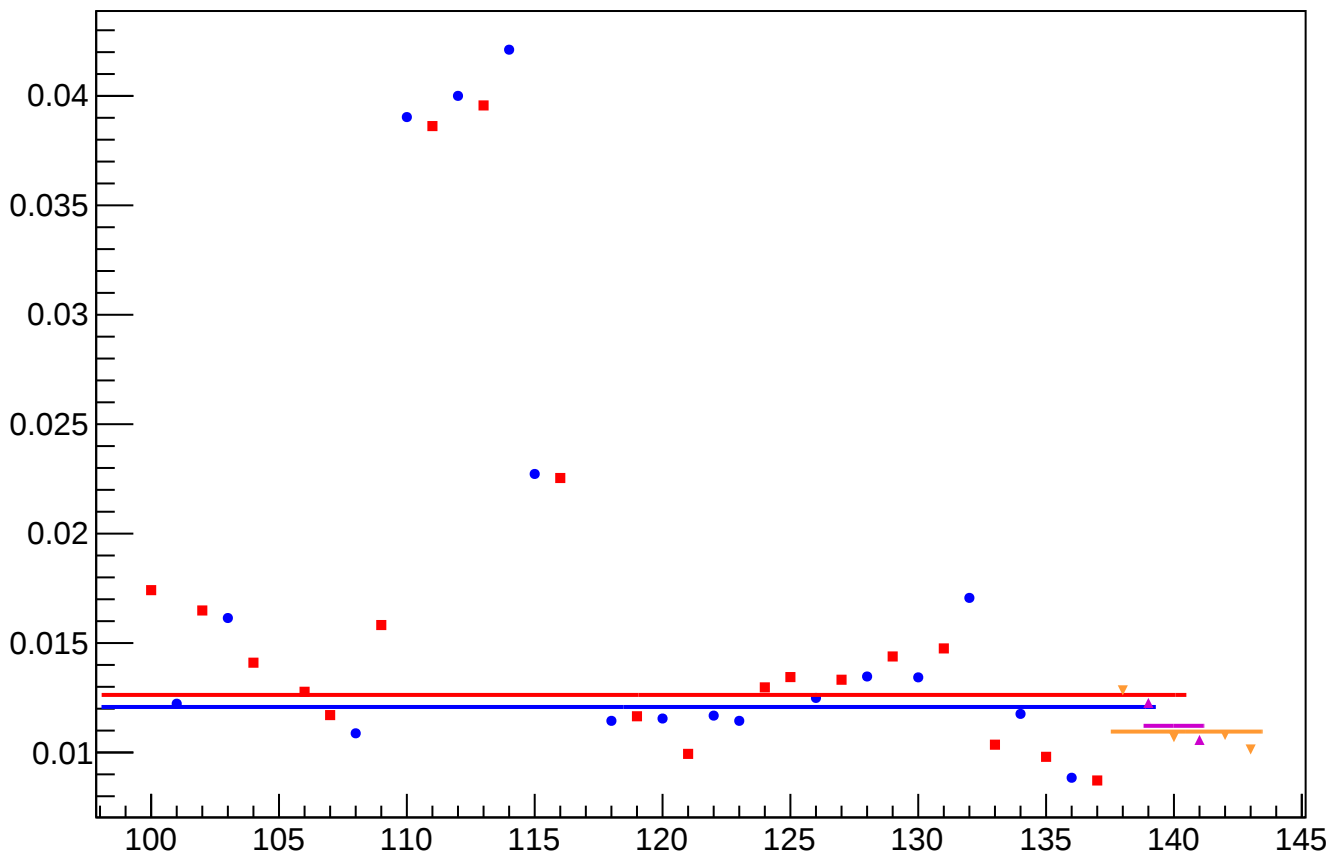
Left In: 0.067 $\pm$ 0.000 χ^2 /NDF:686159.0/1

+ sign 0.218 $\pm$ 0.000 χ^2 /NDF: 5889907024.8/20

All: 0.244 $\pm$ 0.000 χ^2 /NDF: 12106421937.2/4

- sign 0.275 $\pm$ 0.000 χ^2 /NDF: 6129827408.0/20

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1276713.5/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:40969.3/3

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1235880.5/18

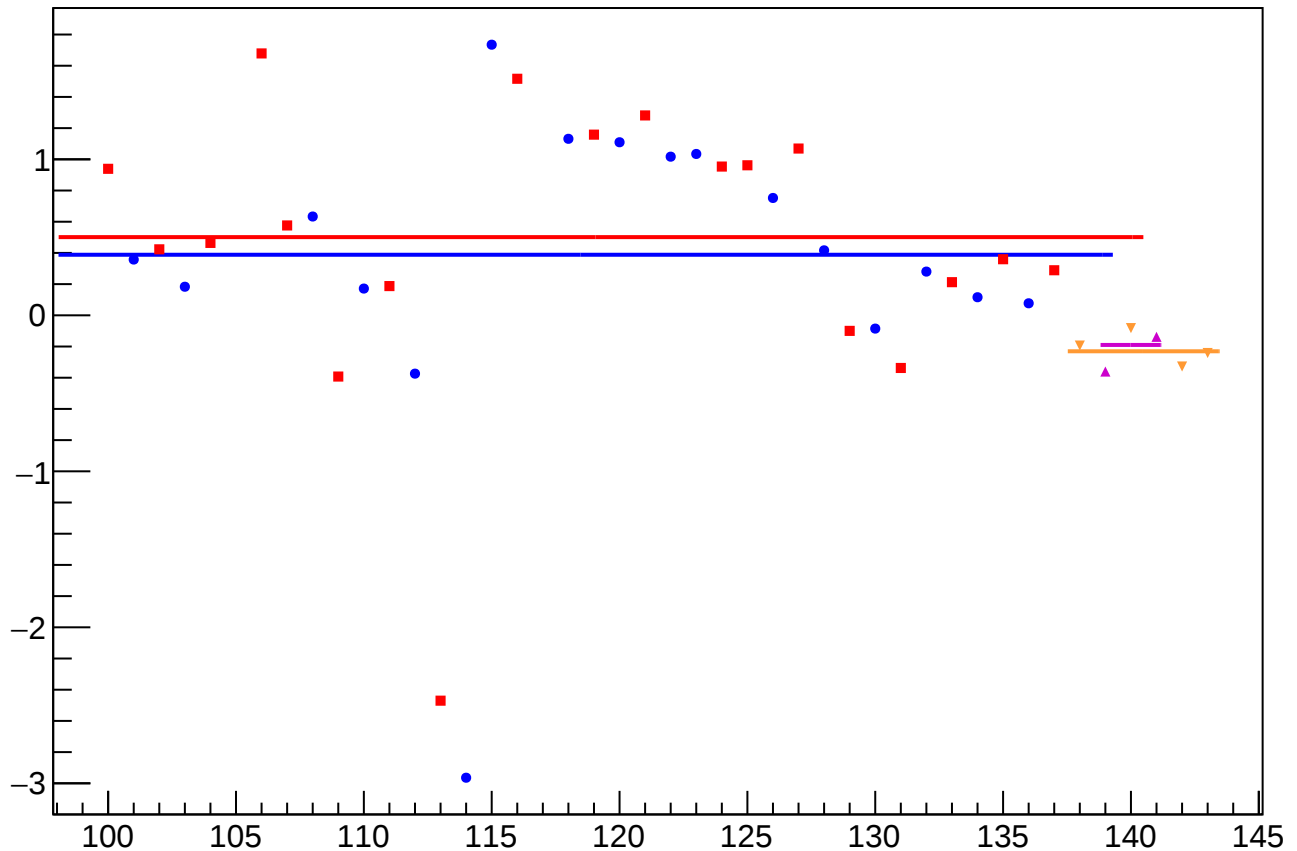
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:15564.2/1

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1352545.5/20

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 2659209.7/41

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1286434.8/20

yield_bpm1X_mean vs Slug



Right In: 0.388 $\pm$ 0.000 χ^2 /NDF: 245257258.4/16

Left Out: -0.231 $\pm$ 0.000 χ^2 /NDF:3014819.7/3

Right Out: 0.501 $\pm$ 0.000 χ^2 /NDF: 983034937.0/18

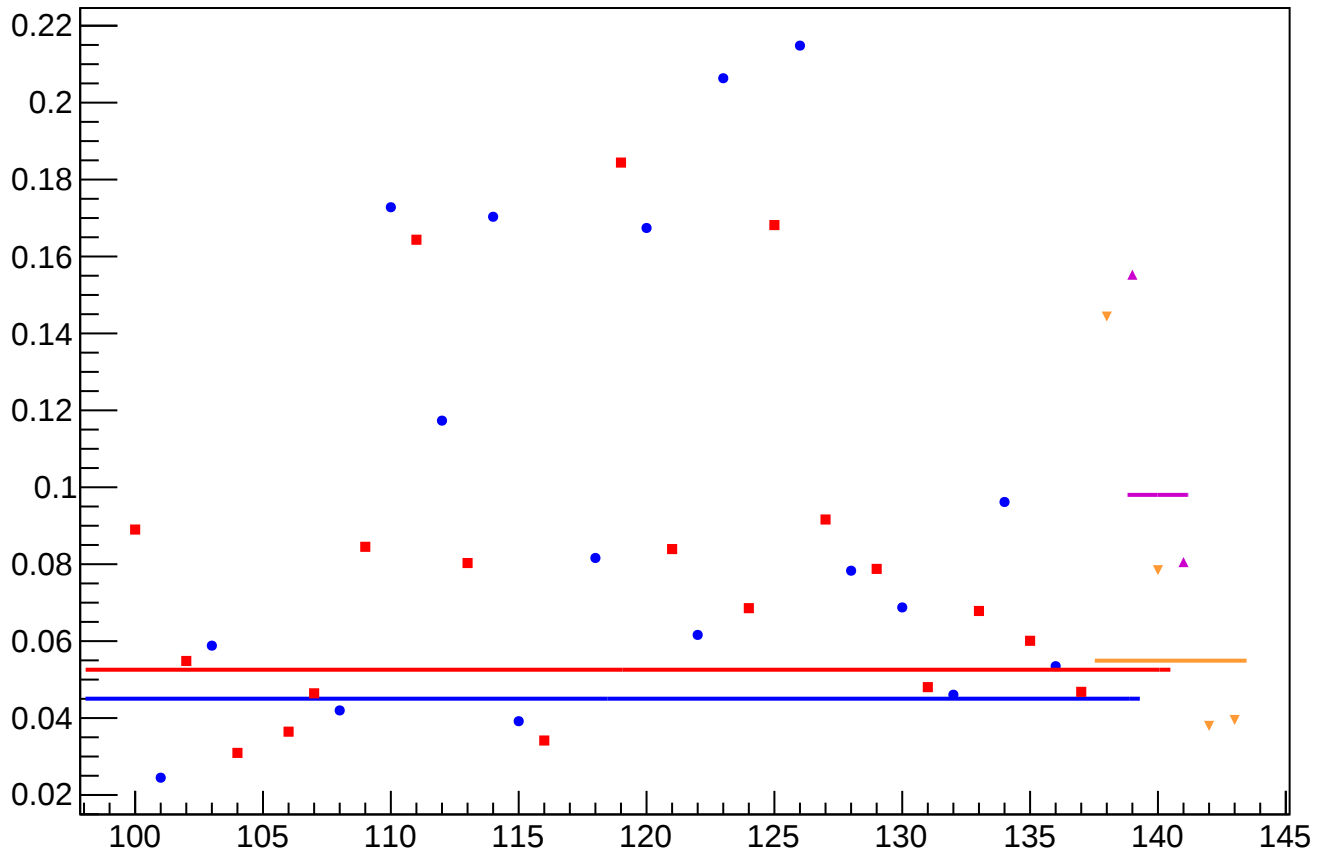
Left In: -0.190 $\pm$ 0.000 χ^2 /NDF:929775.5/1

+ sign 0.271 $\pm$ 0.000 χ^2 /NDF: 374776490.6/20

All: 0.350 $\pm$ 0.000 χ^2 /NDF: 1436742198.2/41

- sign 0.456 $\pm$ 0.000 χ^2 /NDF: 1030724375.1/20

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2830669.1/16

Left Out: 0.055+/-0.000 χ^2/NDF : 736964.0/3

Right Out: 0.053+/-0.000 χ^2/NDF : 2177690.7/18

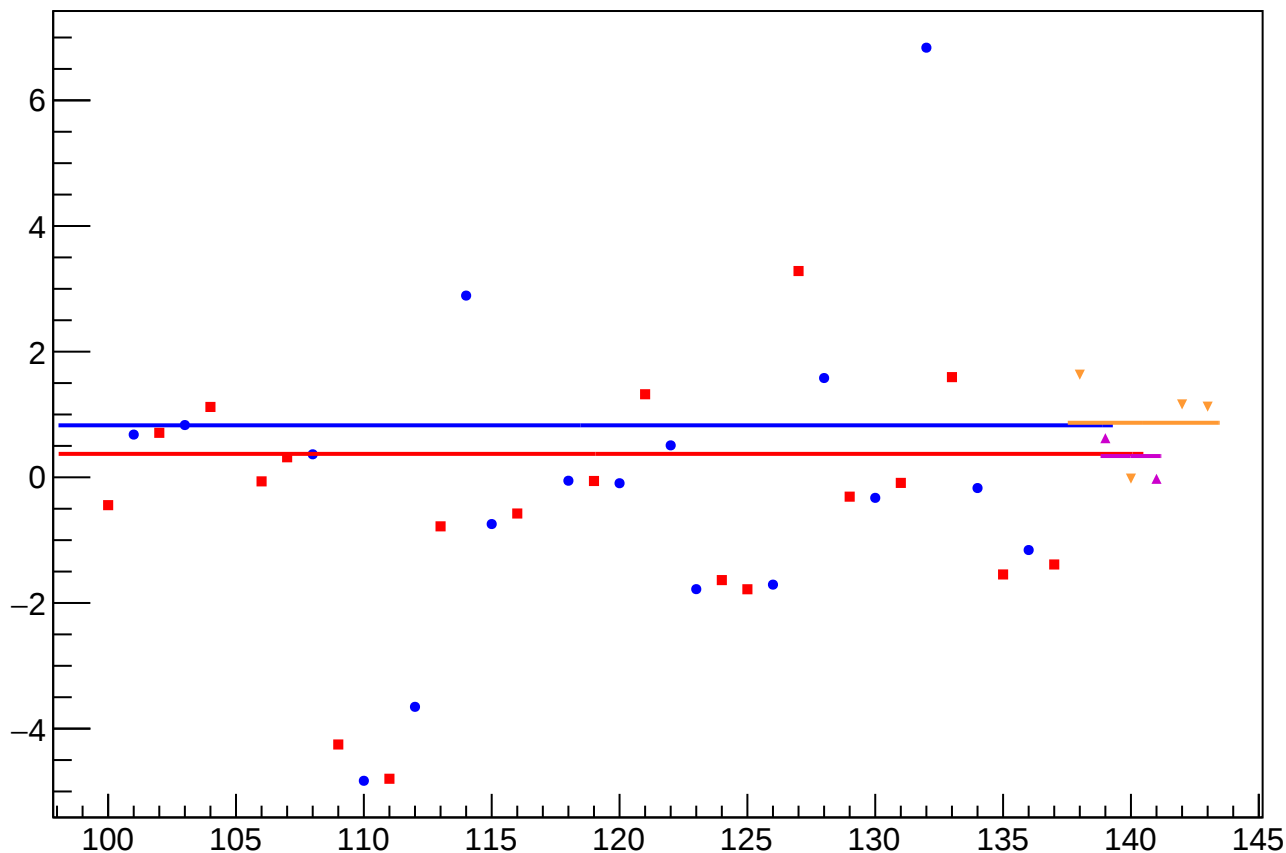
Left In: 0.098+/-0.000 χ^2/NDF : 209592.7/1

+ sign 0.047+/-0.000 χ^2/NDF : 3632175.6/20

All: 0.051+/-0.000 χ^2/NDF : 6561123.3/41

- sign 0.056+/-0.000 χ^2/NDF : 2791874.3/20

yield_bpm1Y_mean vs Slug



Right In: 0.828+/-0.000 χ^2/NDF : 10934615588.5/16

Left Out: 0.868+/-0.000 χ^2/NDF : 176950450.9/3

Right Out: 0.373+/-0.000 χ^2/NDF : 4968052358.8/18

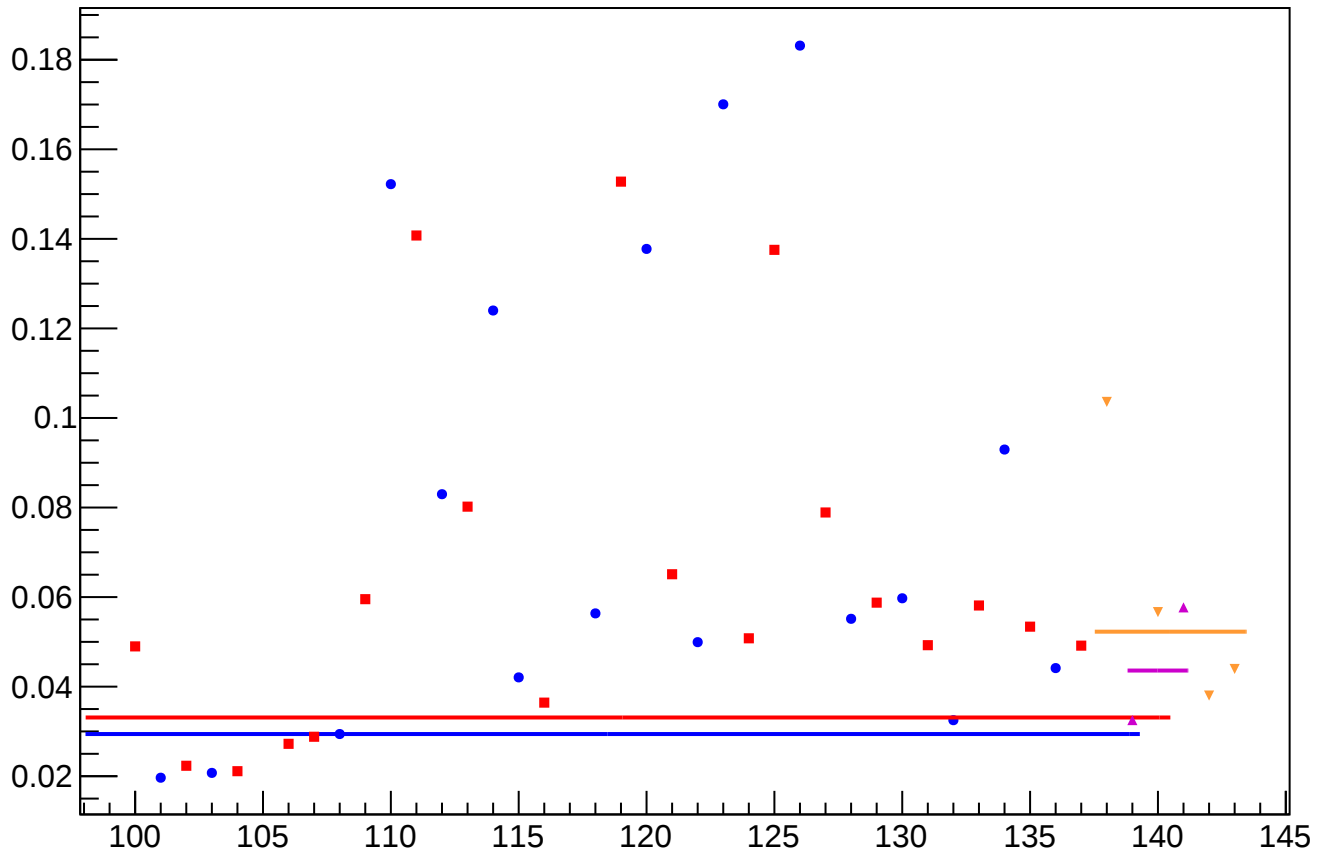
Left In: 0.339+/-0.000 χ^2/NDF : 33221970.2/1

+ sign 0.832+/-0.000 χ^2/NDF : 11112350571.6/20

All: 0.620+/-0.000 χ^2/NDF : 16554134289.6/4

- sign 0.370+/-0.000 χ^2/NDF : 5001624161.6/20

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 3034312.5/16

Left Out: 0.052+/-0.000 χ^2/NDF : 390072.8/3

Right Out: 0.033+/-0.000 χ^2/NDF : 3078516.1/18

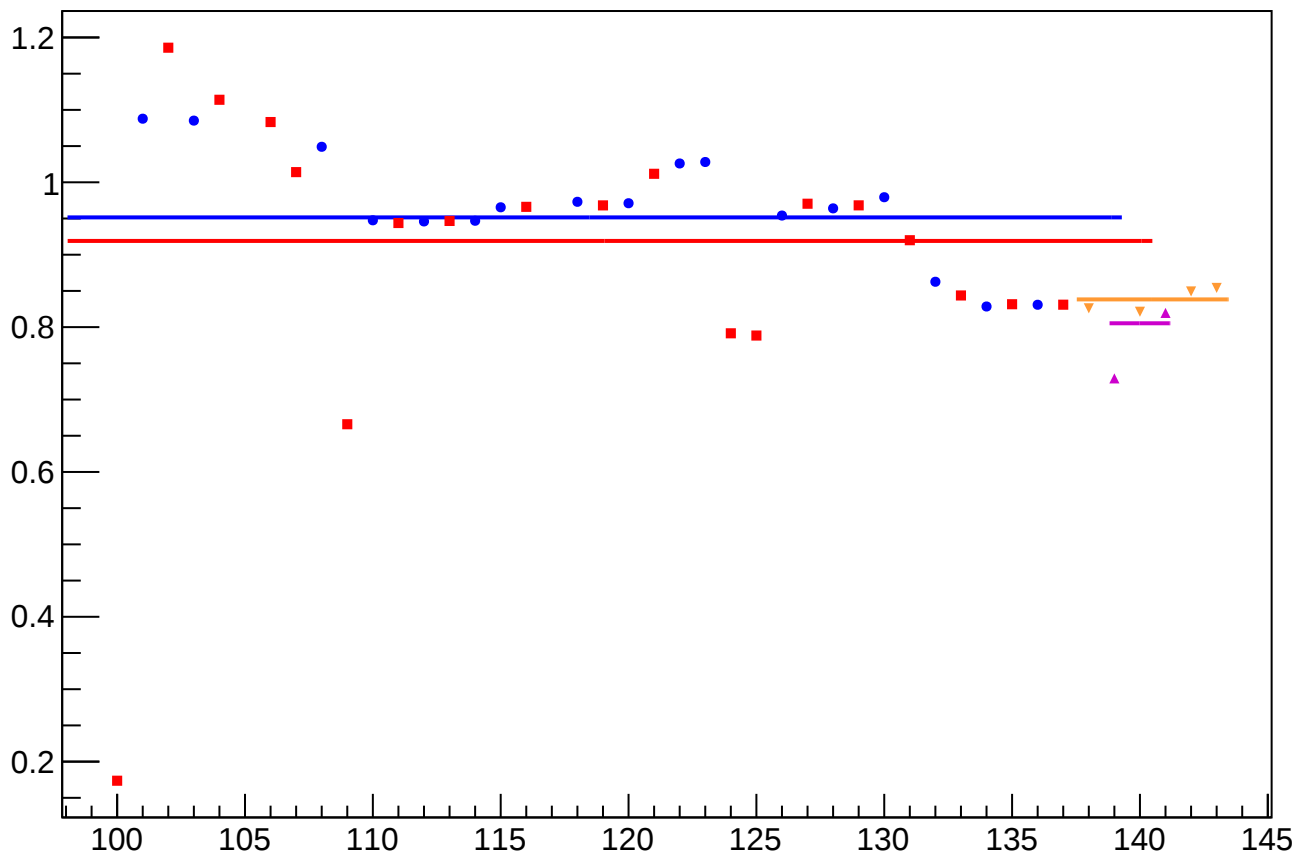
Left In: 0.044+/-0.000 χ^2/NDF : 100824.1/1

+ sign 0.032+/-0.000 χ^2/NDF : 3920047.9/20

All: 0.033+/-0.000 χ^2/NDF : 7178111.8/41

- sign 0.034+/-0.000 χ^2/NDF : 3244323.1/20

yield_bpm11X_mean vs Slug



Right In: 0.952 $\pm$ 0.000 χ^2 /NDF: 173959453.0/16

Left Out: 0.838 $\pm$ 0.000 χ^2 /NDF:3319187.0/3

Right Out: 0.919 $\pm$ 0.000 χ^2 /NDF: 374715264.1/18

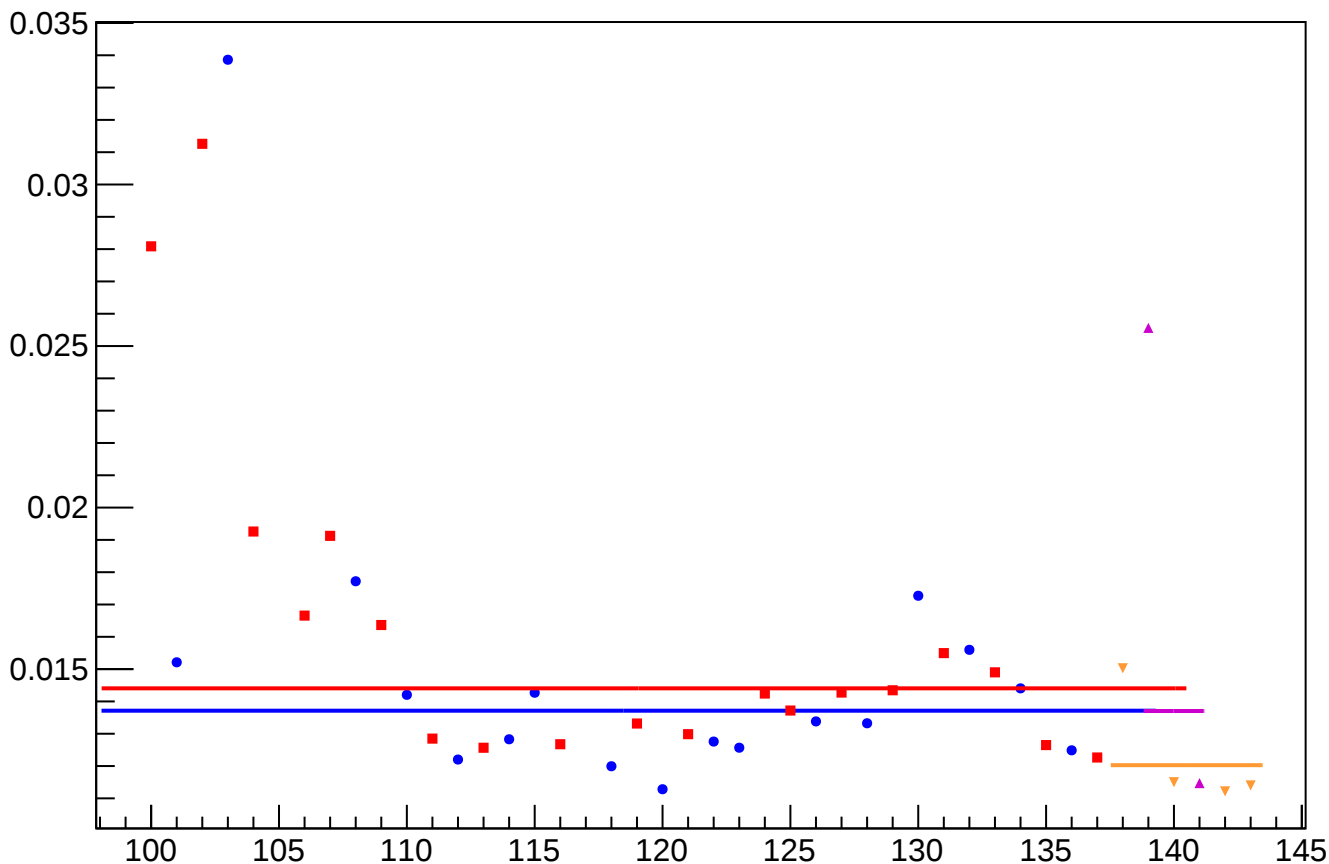
Left In: 0.805 $\pm$ 0.000 χ^2 /NDF:6922597.8/1

+ sign 0.915 $\pm$ 0.000 χ^2 /NDF: 306495956.8/20

All: 0.908 $\pm$ 0.000 χ^2 /NDF: 760606060.2/41

- sign 0.899 $\pm$ 0.000 χ^2 /NDF: 449115445.3/20

yield_bpm11X_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 546221.8/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:56943.7/3

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 502019.0/18

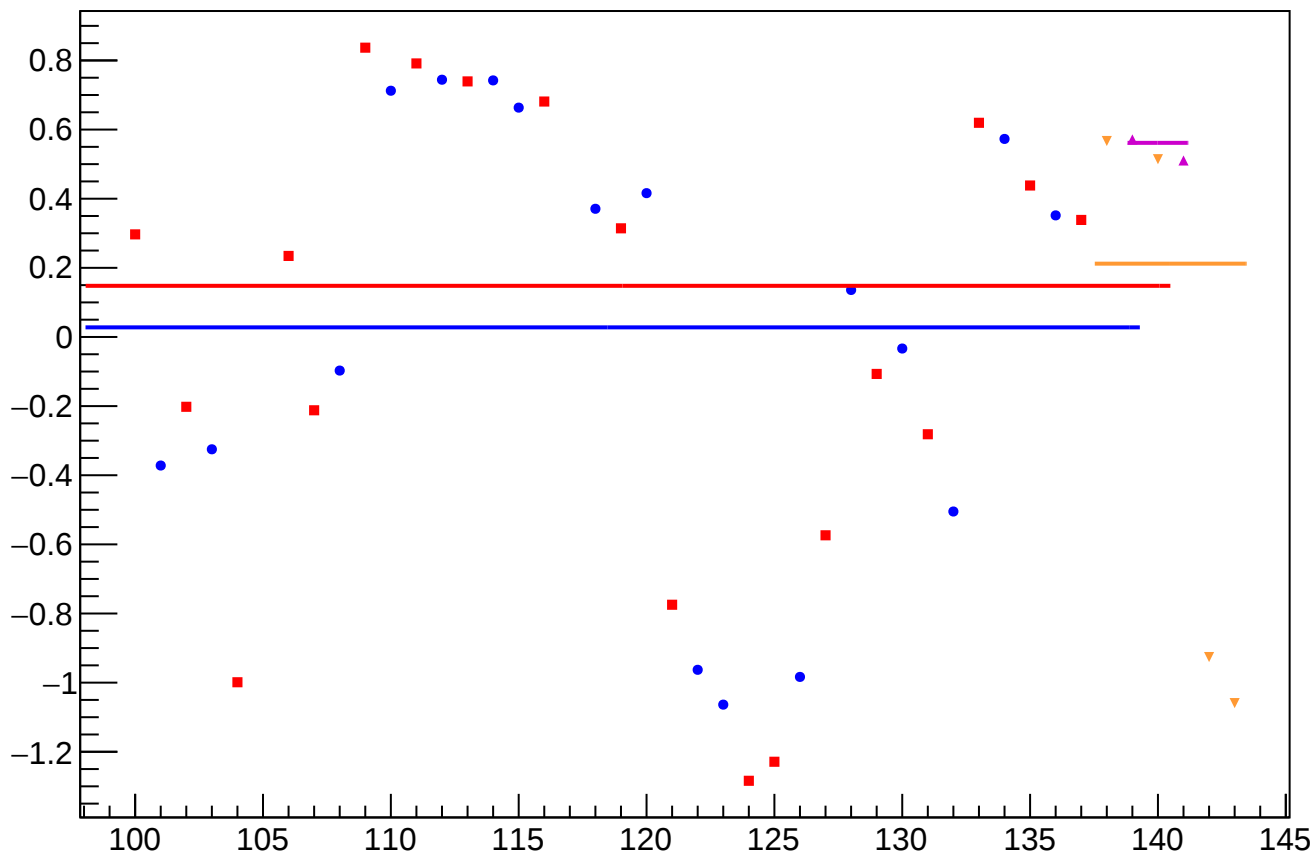
Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:336179.3/1

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 660441.7/20

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 1553812.3/41

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 843339.9/20

yield_bpm11Y_mean vs Slug



Right In: 0.028 ± 0.000 $\chi^2/\text{NDF}: 6330660019.5/16$

Left Out: 0.212 ± 0.000 $\chi^2/\text{NDF}: 11813608309.7/3$

Right Out: 0.148 ± 0.000 $\chi^2/\text{NDF}: 12786884425.3/18$

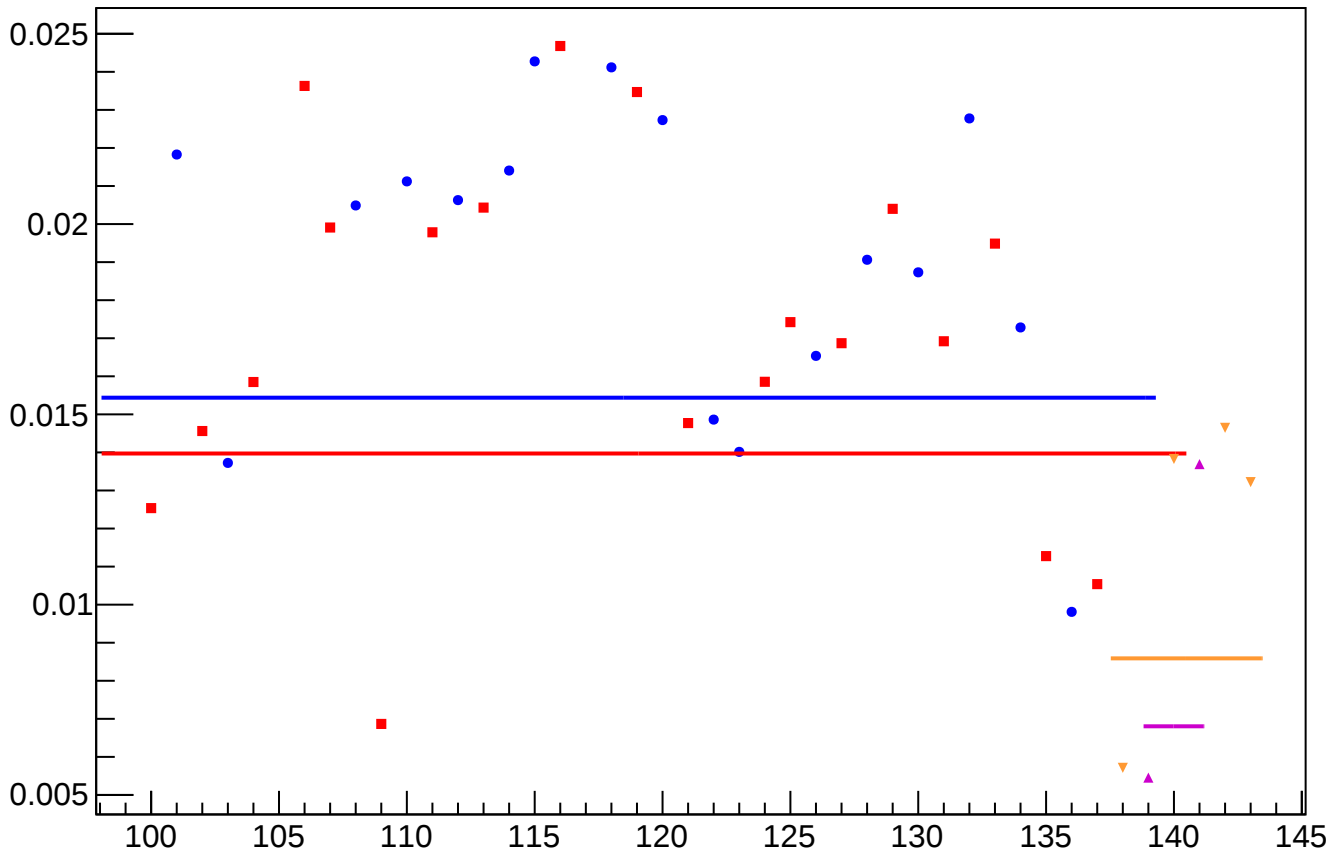
Left In: 0.562 ± 0.000 $\chi^2/\text{NDF}: 12927596.7/1$

+ sign 0.127 ± 0.000 $\chi^2/\text{NDF}: 18577674380.3/20$

All: 0.238 ± 0.000 $\chi^2/\text{NDF}: 34897670204.7/4$

- sign 0.342 ± 0.000 $\chi^2/\text{NDF}: 15101358949.0/20$

yield_bpm11Y_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1160014.9/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:825893.8/3

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 1556431.6/18

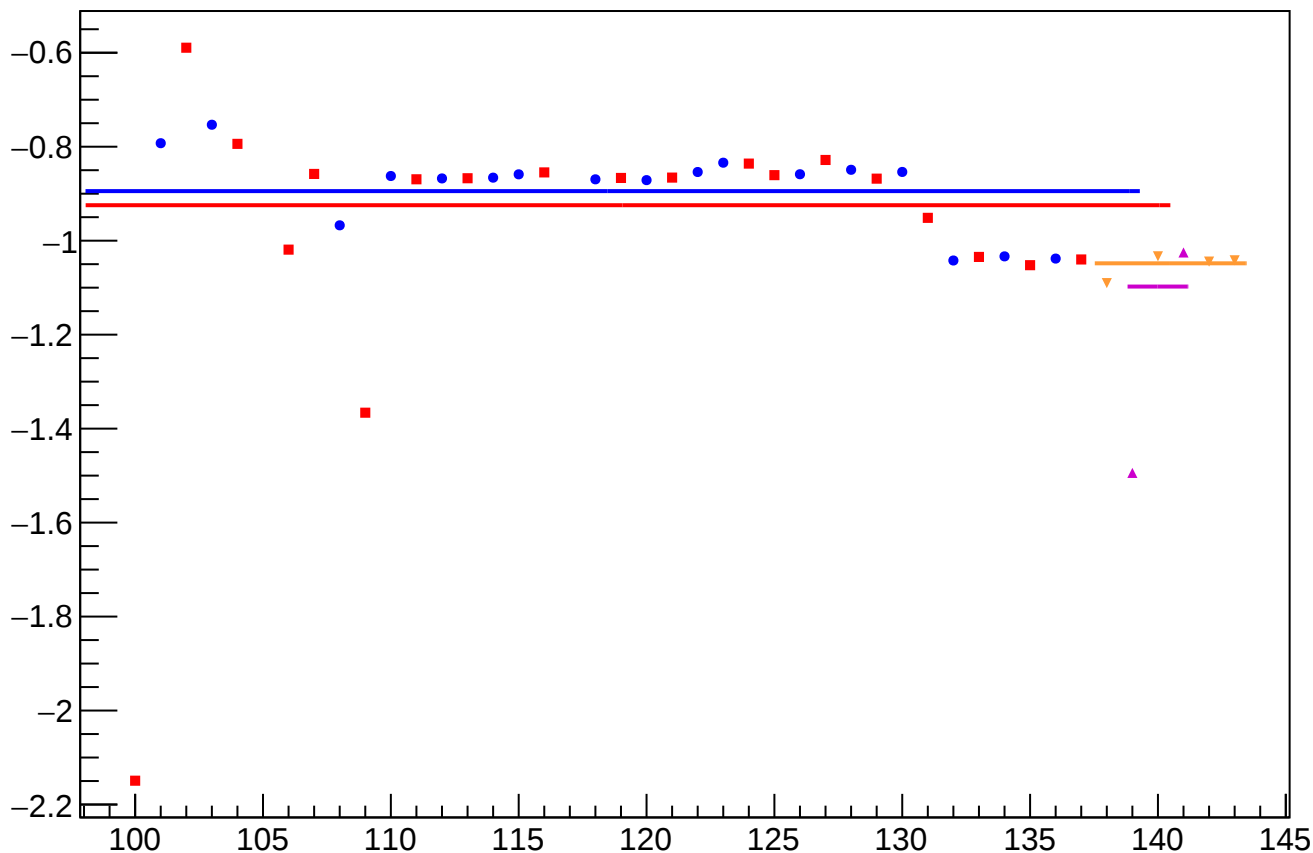
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:471642.4/1

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 3183476.1/20

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 6662324.7/41

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3410615.9/20

yield_bpm12X_mean vs Slug



Right In: -0.895 ± 0.000 χ^2/NDF : 37736129.8/16

Left Out: -1.048 ± 0.000 χ^2/NDF : 905861.3/3

Right Out: -0.925 ± 0.000 χ^2/NDF : 128456555.8/18

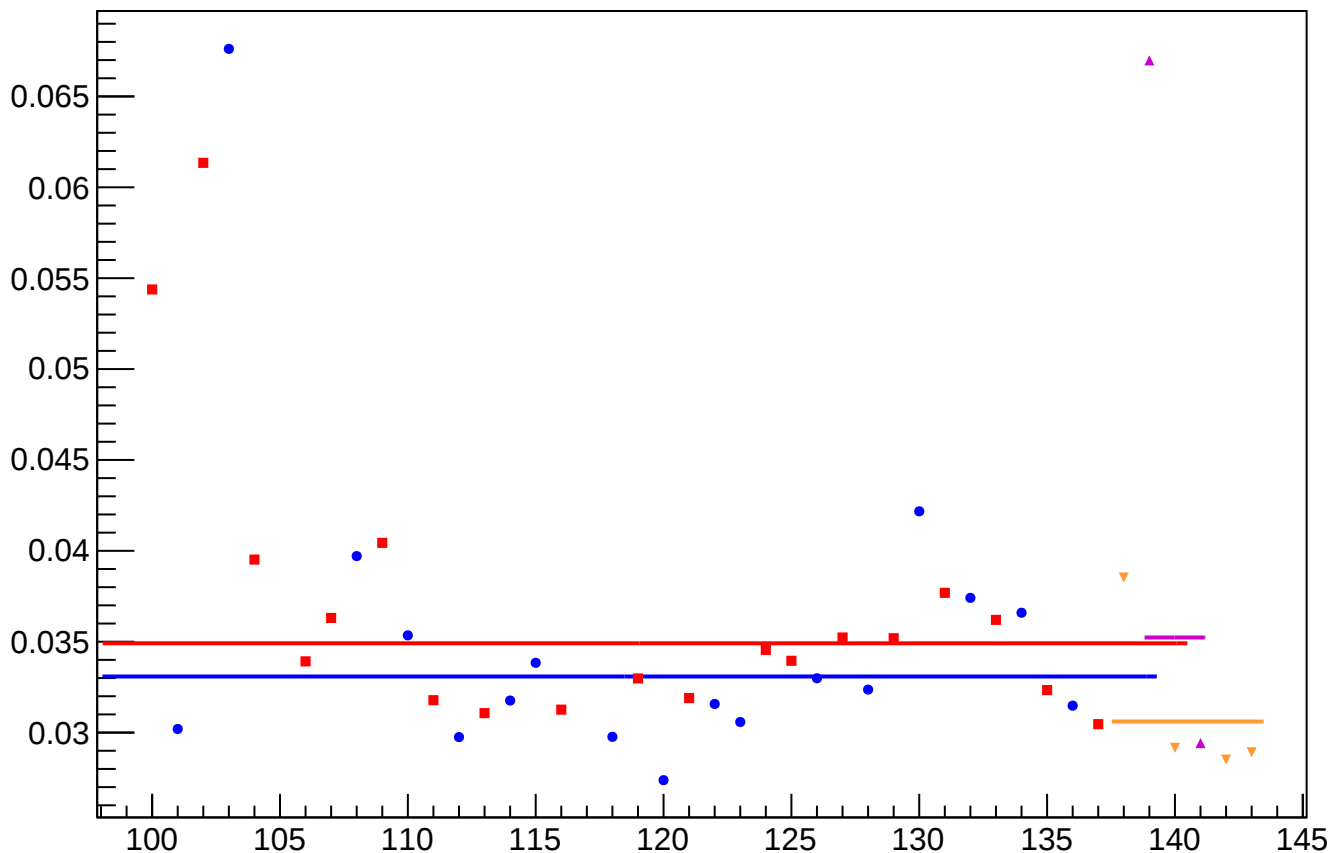
Left In: -1.098 ± 0.000 χ^2/NDF : 27240665.6/1

+ sign -0.940 ± 0.000 χ^2/NDF : 76406613.5/20

All: -0.946 ± 0.000 χ^2/NDF : 256429824.2/41

- sign -0.952 ± 0.000 χ^2/NDF : 179584256.1/20

yield_bpm12X_rms vs Slug



Right In: 0.033 $\pm$ 0.000 χ^2 /NDF: 408714.5/16

Left Out: 0.031 $\pm$ 0.000 χ^2 /NDF:61308.2/3

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 274757.5/18

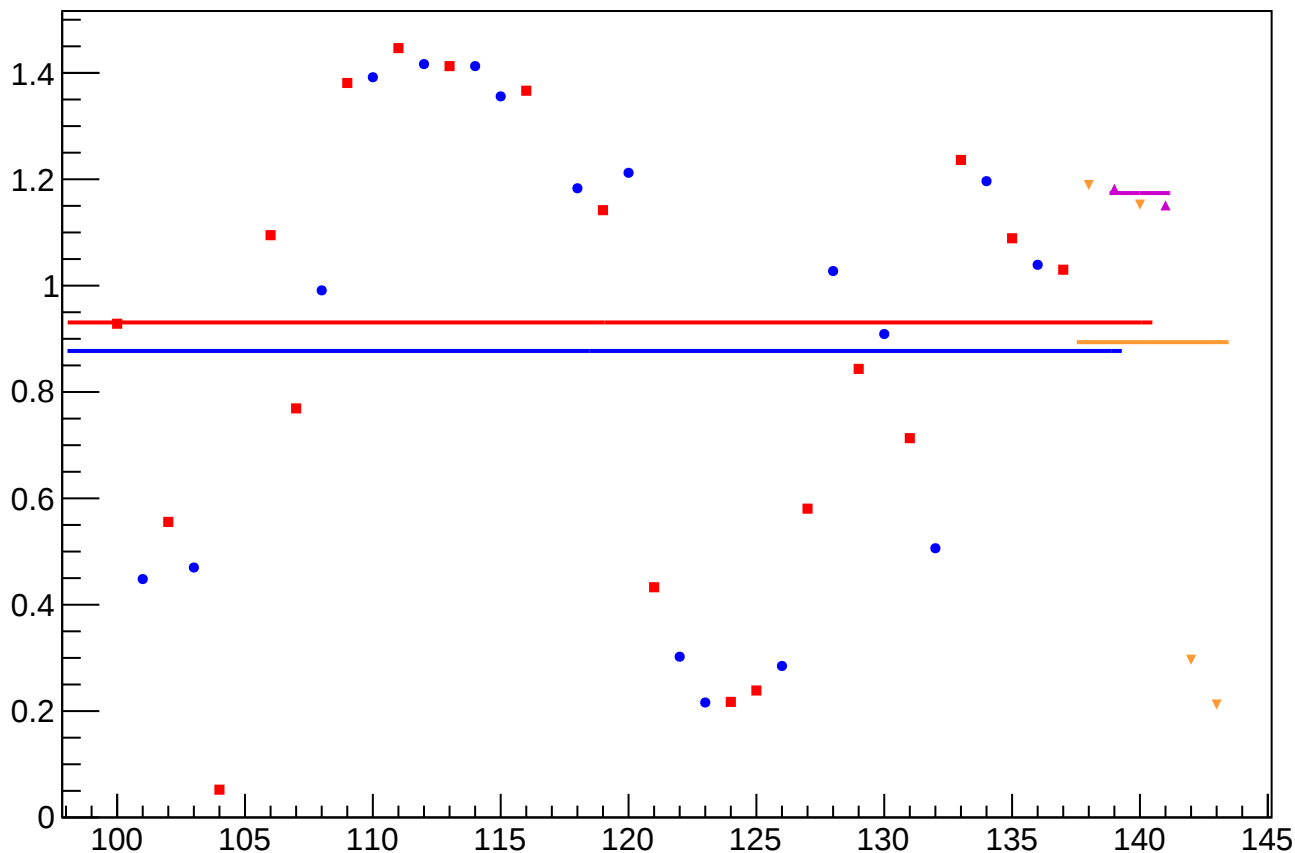
Left In: 0.035 $\pm$ 0.000 χ^2 /NDF:349260.4/1

+ sign 0.032 $\pm$ 0.000 χ^2 /NDF: 489683.5/20

All: 0.033 $\pm$ 0.000 χ^2 /NDF: 1159831.3/41

- sign 0.035 $\pm$ 0.000 χ^2 /NDF: 624179.7/20

yield_bpm12Y_mean vs Slug



Right In: 0.877 ± 0.000 $\chi^2/\text{NDF}: 6492530367.5/16$

Left Out: 0.894 ± 0.000 $\chi^2/\text{NDF}: 8591308960.8/3$

Right Out: 0.931 ± 0.000 $\chi^2/\text{NDF}: 9963132374.2/18$

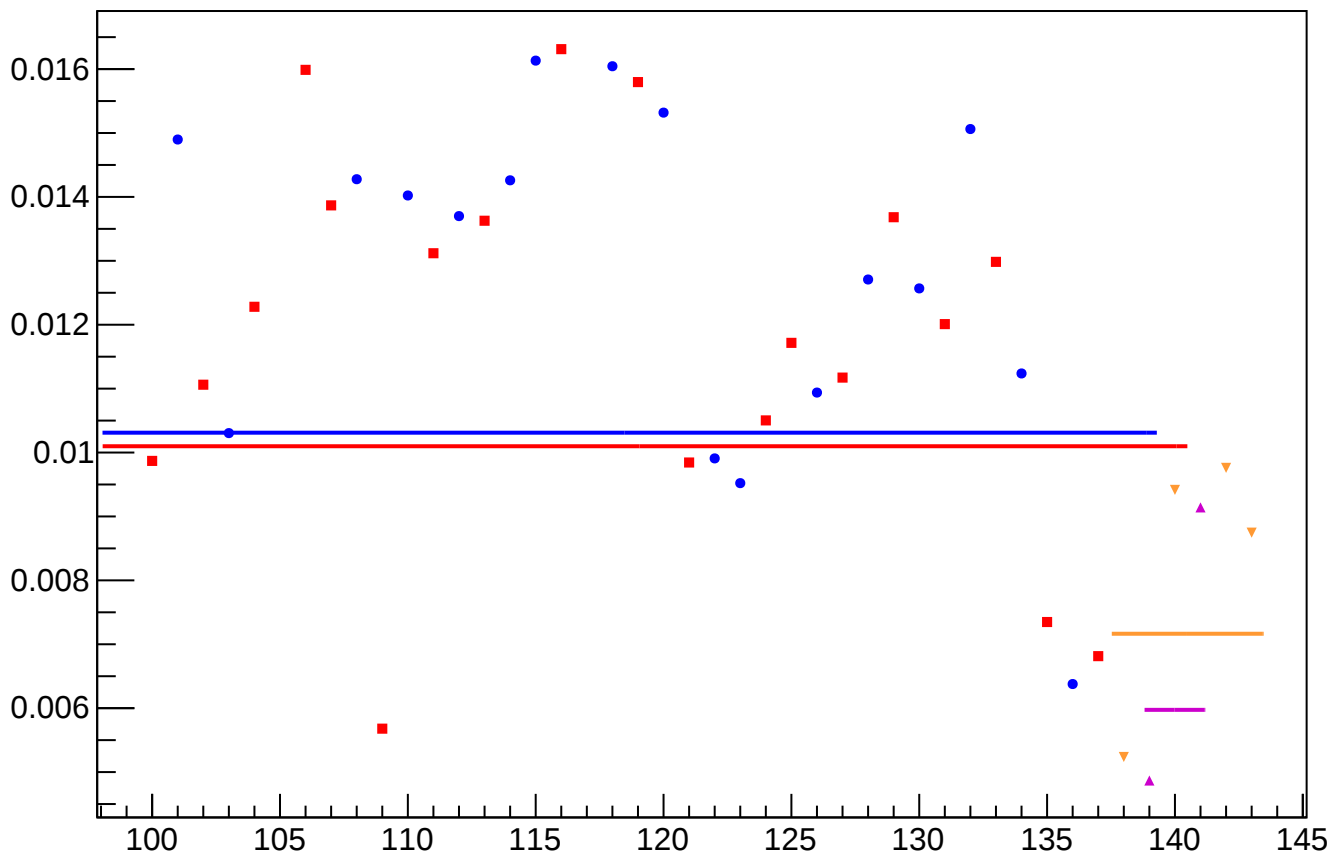
Left In: 1.174 ± 0.000 $\chi^2/\text{NDF}: 6794092.3/1$

+ sign 0.885 ± 0.000 $\chi^2/\text{NDF}: 15090498059.9/20$

All: 0.953 ± 0.000 $\chi^2/\text{NDF}: 27309893405.4/4$

- sign 1.025 ± 0.000 $\chi^2/\text{NDF}: 11279854527.9/20$

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1229309.4/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:365464.9/3

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1175272.9/18

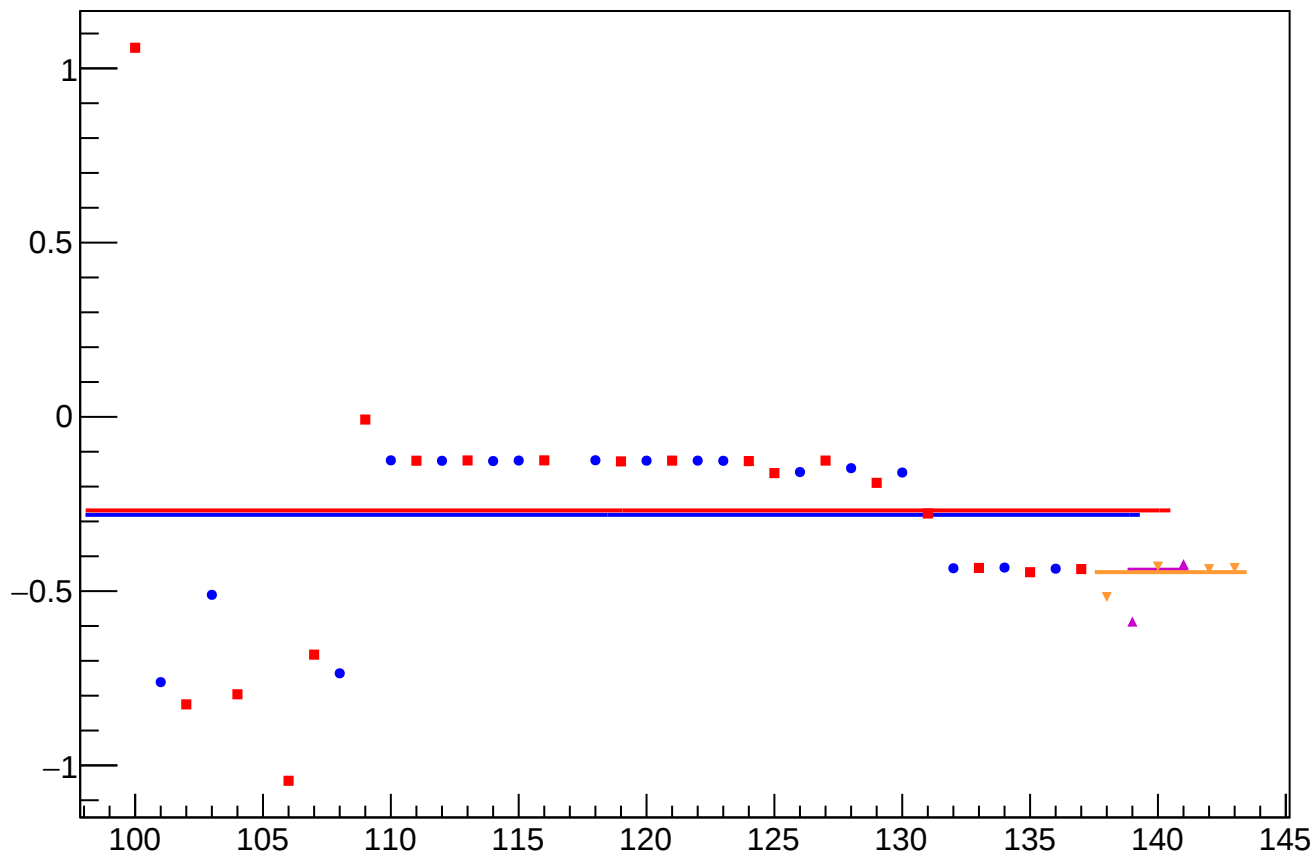
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:253023.8/1

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2078754.3/20

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 4271285.5/41

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2181067.7/20

yield_bpm16X_mean vs Slug



Right In: -0.281+/-0.000 χ^2/NDF : 905834039.3/16

Left Out: -0.445+/-0.000 χ^2/NDF : 21956284.8/3

Right Out: -0.268+/-0.000 χ^2/NDF : 967576606.4/18

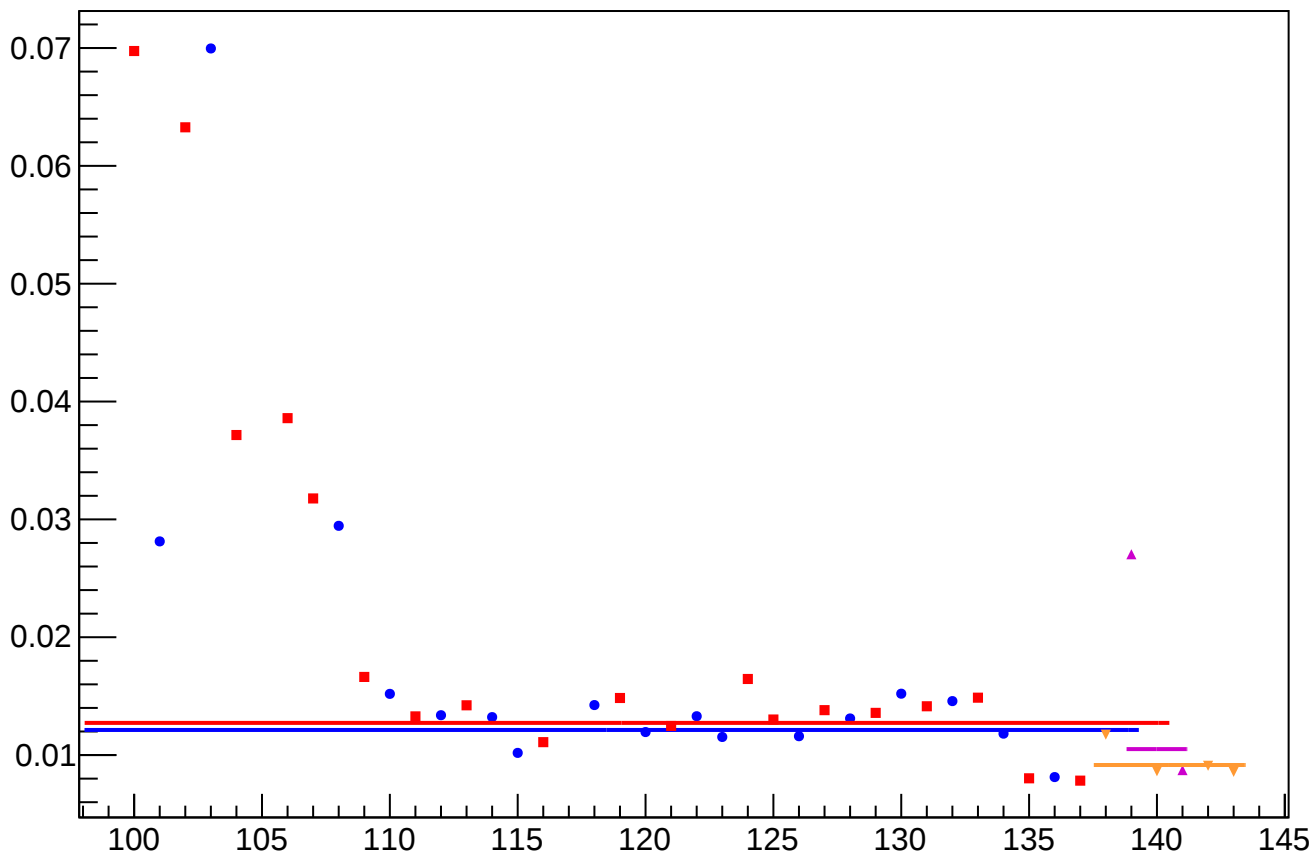
Left In: -0.438+/-0.000 χ^2/NDF : 22315831.8/1

+ sign -0.351+/-0.000 χ^2/NDF : 1297700506.4/20

All: -0.334+/-0.000 χ^2/NDF : 2534759197.7/4

- sign -0.309+/-0.000 χ^2/NDF : 1195633474.5/20

yield_bpm16X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1724778.2/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:58164.5/3

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1970038.2/18

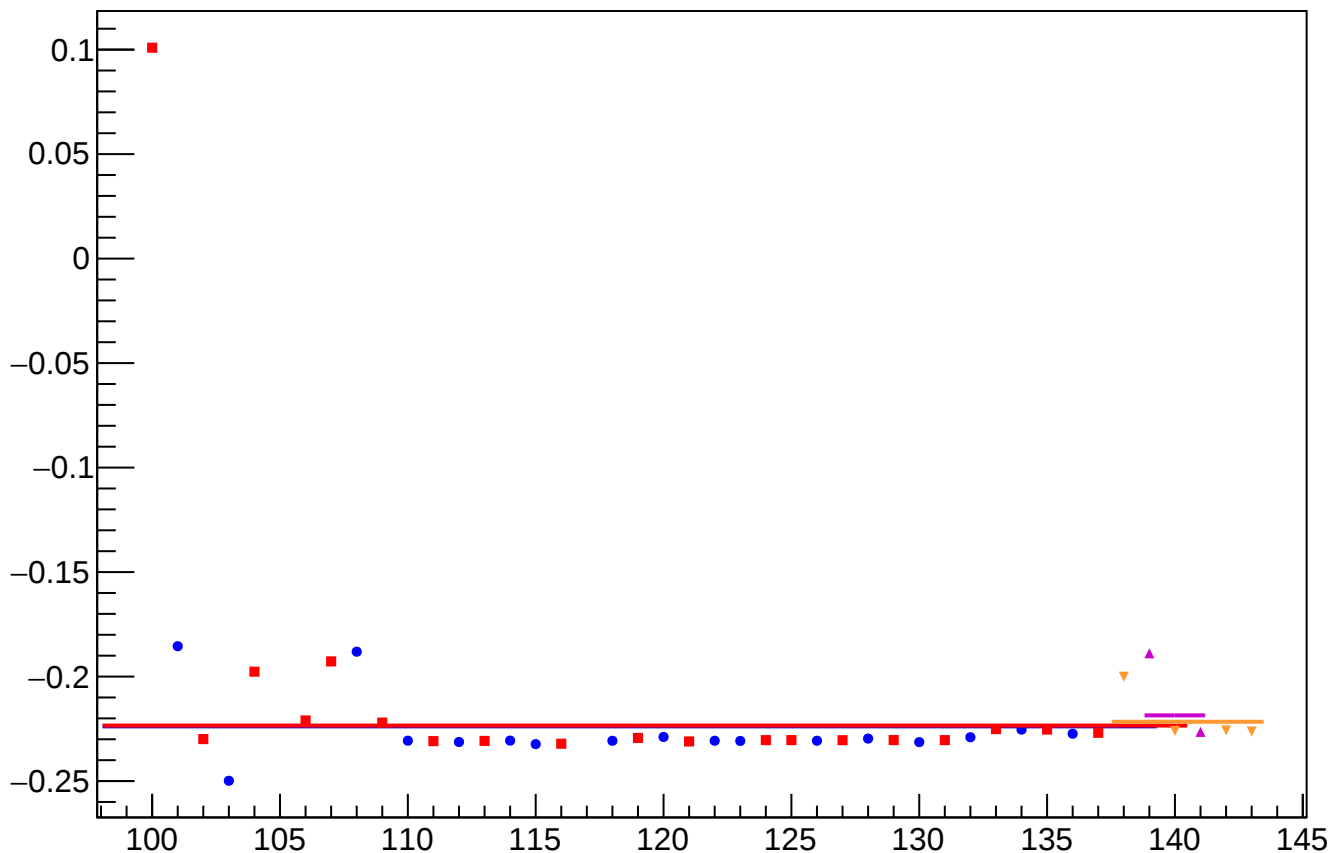
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:550771.7/1

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 2024807.1/20

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 4698809.8/41

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2591149.6/20

yield_bpm16Y_mean vs Slug



Right In: -0.224+/-0.000 χ^2/NDF : 74308262.0/16

Left Out: -0.222+/-0.000 χ^2/NDF : 11360923.7/3

Right Out: -0.223+/-0.000 χ^2/NDF : 167796311.6/18

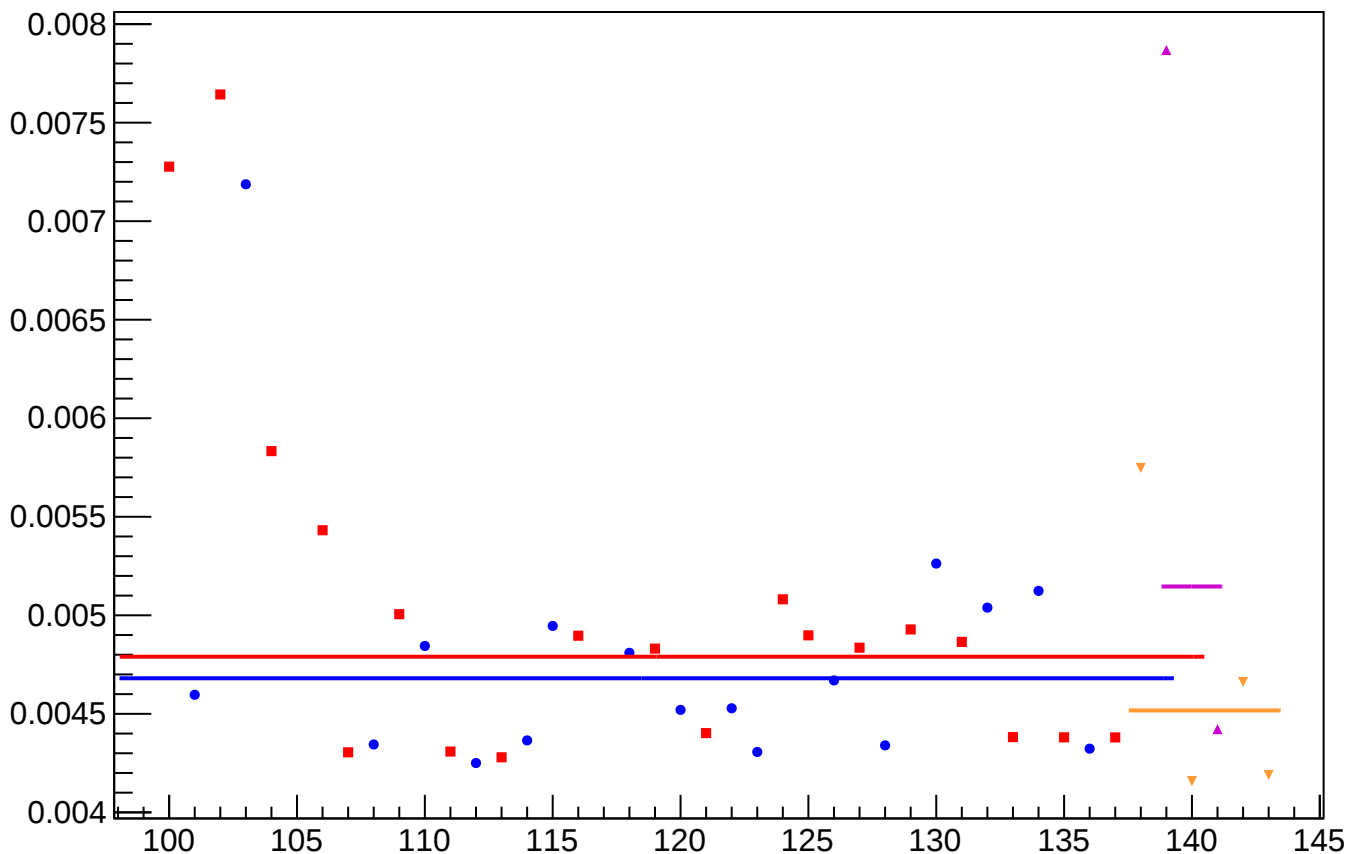
Left In: -0.219+/-0.000 χ^2/NDF : 11575416.3/1

+ sign -0.223+/-0.000 χ^2/NDF : 86065765.7/20

All: -0.223+/-0.000 χ^2/NDF : 266475081.2/41

- sign -0.223+/-0.000 χ^2/NDF : 180372478.7/20

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 180630.9/16

Left Out: 0.005+/-0.000 χ^2/NDF :81075.0/3

Right Out: 0.005+/-0.000 χ^2/NDF : 248518.8/18

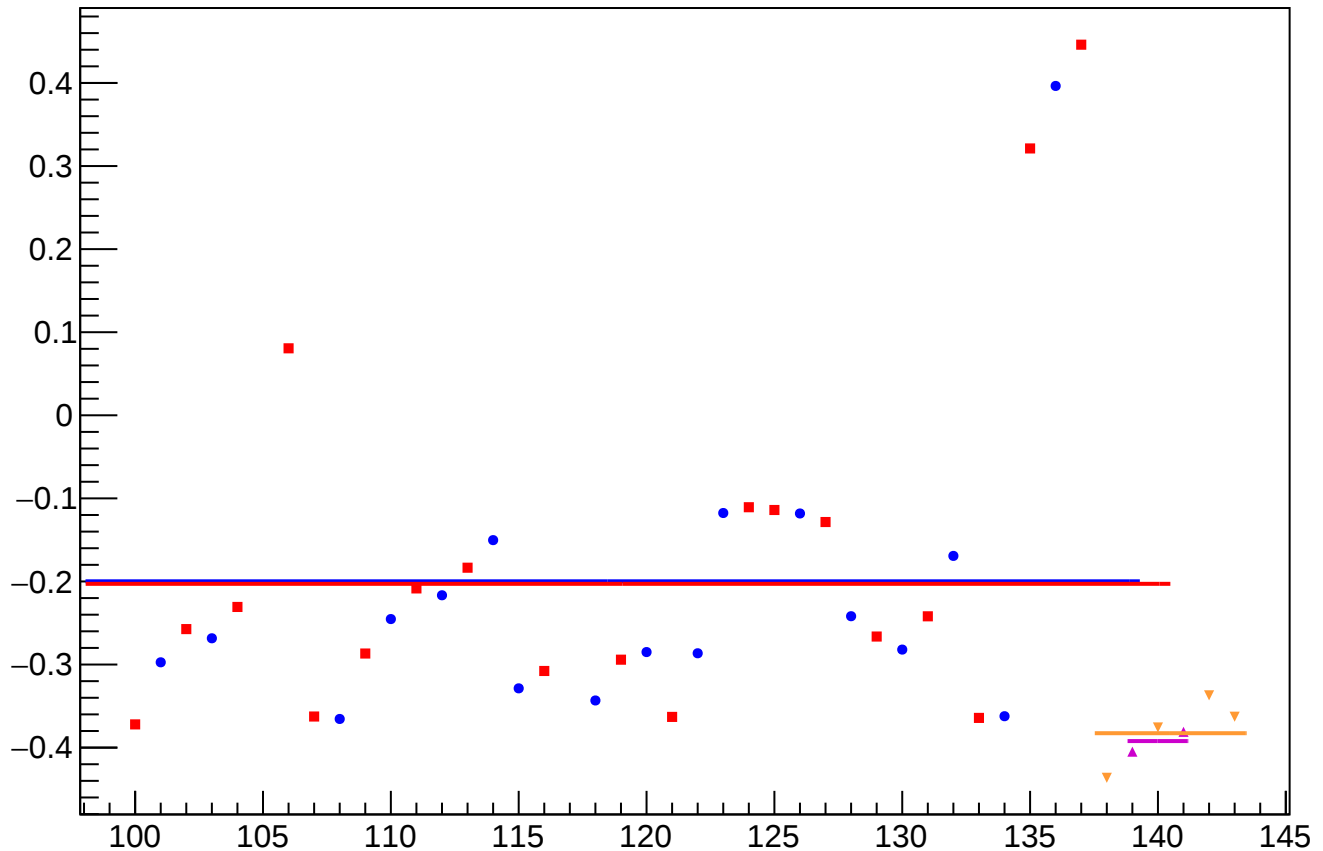
Left In: 0.005+/-0.000 χ^2/NDF :194668.8/1

+ sign 0.005+/-0.000 χ^2/NDF : 266122.2/20

All: 0.005+/-0.000 χ^2/NDF : 736072.9/41

- sign 0.005+/-0.000 χ^2/NDF : 453841.0/20

yield_bpm0i02X_mean vs Slug



Right In: -0.200+/-0.000 χ^2/NDF : 5966157035.1/16

Left Out: -0.383+/-0.000 χ^2/NDF : 131656744.6/3

Right Out: -0.203+/-0.000 χ^2/NDF : 5025528680.0/18

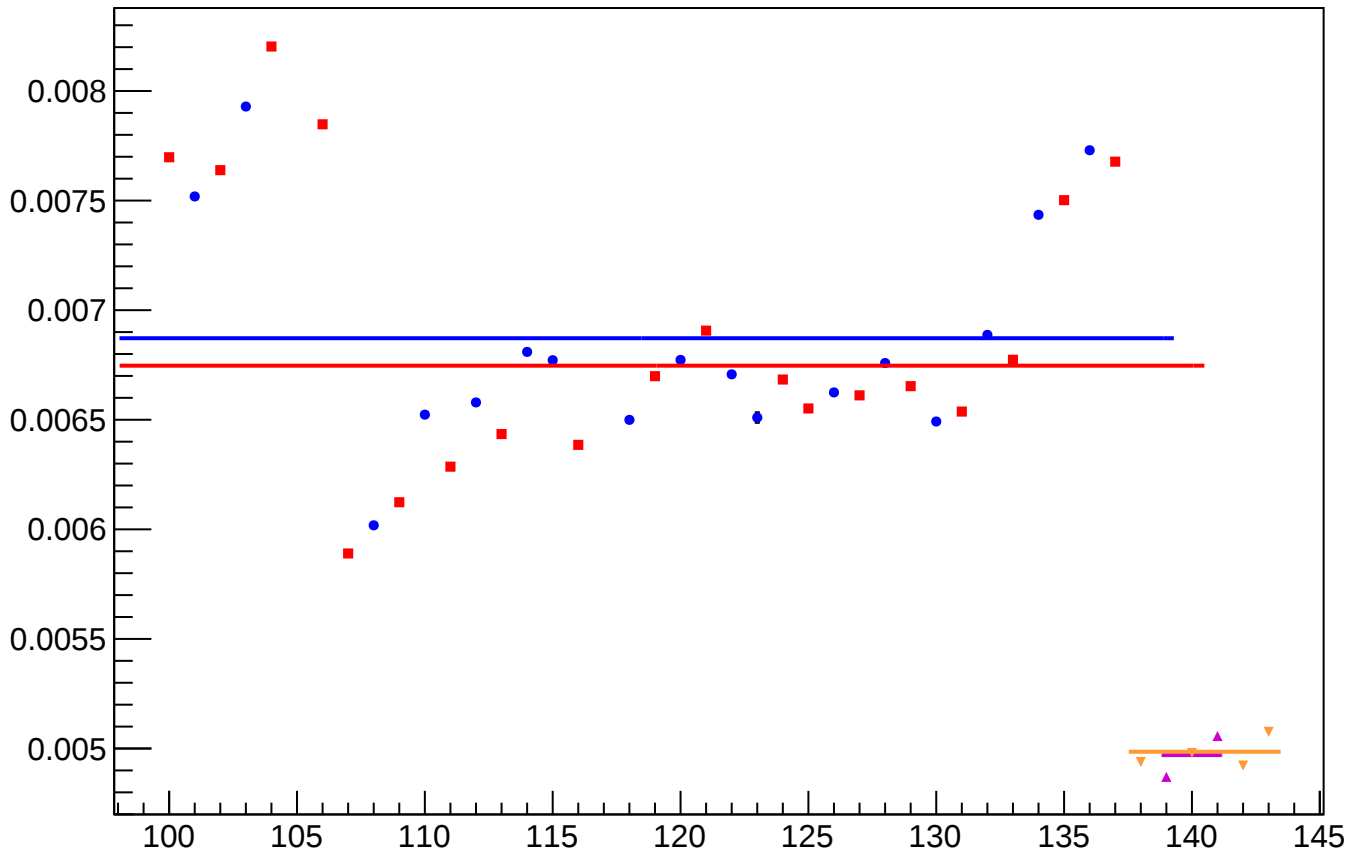
Left In: -0.392+/-0.000 χ^2/NDF : 8521460.9/1

+ sign -0.279+/-0.000 χ^2/NDF : 8104338767.0/20

All: -0.269+/-0.000 χ^2/NDF : 14730606623.3/20

- sign -0.257+/-0.000 χ^2/NDF : 6569793328.7/20

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 78685.4/16

Left Out: 0.005+/-0.000 χ^2/NDF : 738.2/3

Right Out: 0.007+/-0.000 χ^2/NDF : 105420.2/18

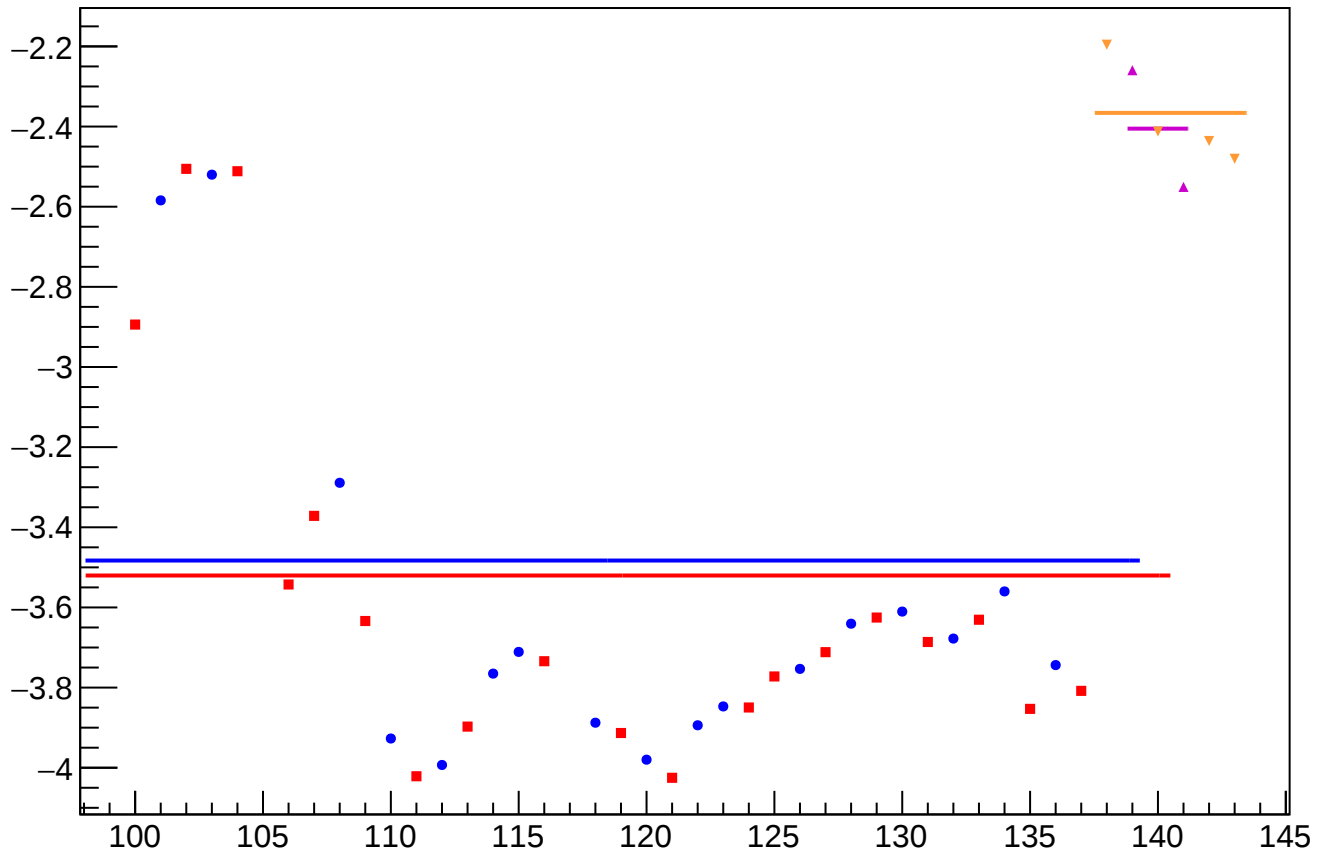
Left In: 0.005+/-0.000 χ^2/NDF : 1037.0/1

+ sign 0.006+/-0.000 χ^2/NDF : 506802.1/20

All: 0.006+/-0.000 χ^2/NDF : 891839.4/41

- sign 0.006+/-0.000 χ^2/NDF : 377137.3/20

yield_bpm0i02Y_mean vs Slug



Right In: -3.483 ± 0.000 χ^2/NDF : 27157654838.2/16

Left Out: -2.366 ± 0.000 χ^2/NDF : 361247906.9/3

Right Out: -3.520 ± 0.000 χ^2/NDF : 26453336521.2/18

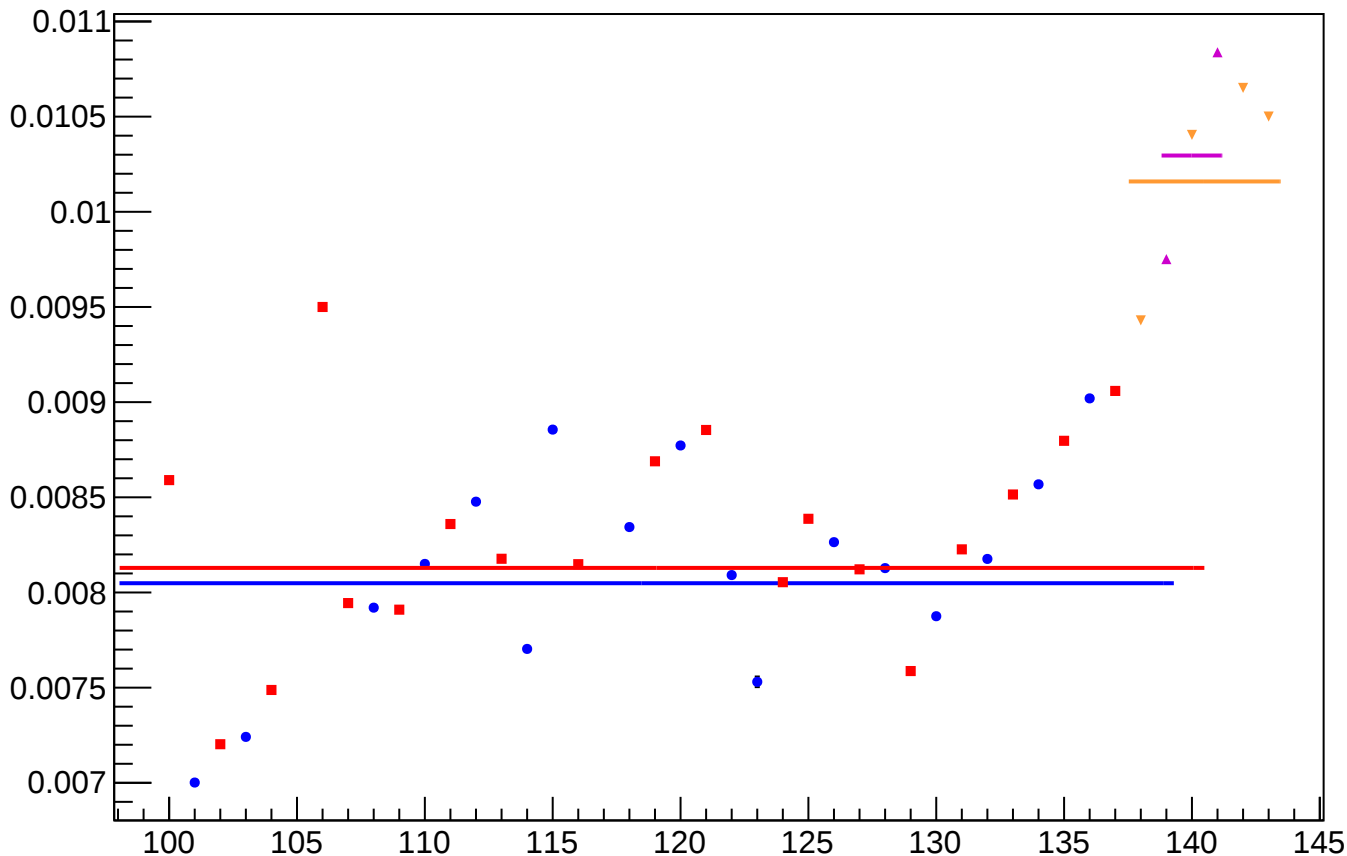
Left In: -2.405 ± 0.000 χ^2/NDF : 300864002.1/1

+ sign -3.252 ± 0.000 χ^2/NDF : 53342051666.7/20

All: -3.315 ± 0.000 χ^2/NDF : 96650852393.7/20

- sign -3.384 ± 0.000 χ^2/NDF : 42248973642.1/20

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 72176.4/16

Left Out: 0.010+/-0.000 χ^2/NDF : 12970.7/3

Right Out: 0.008+/-0.000 χ^2/NDF : 57777.8/18

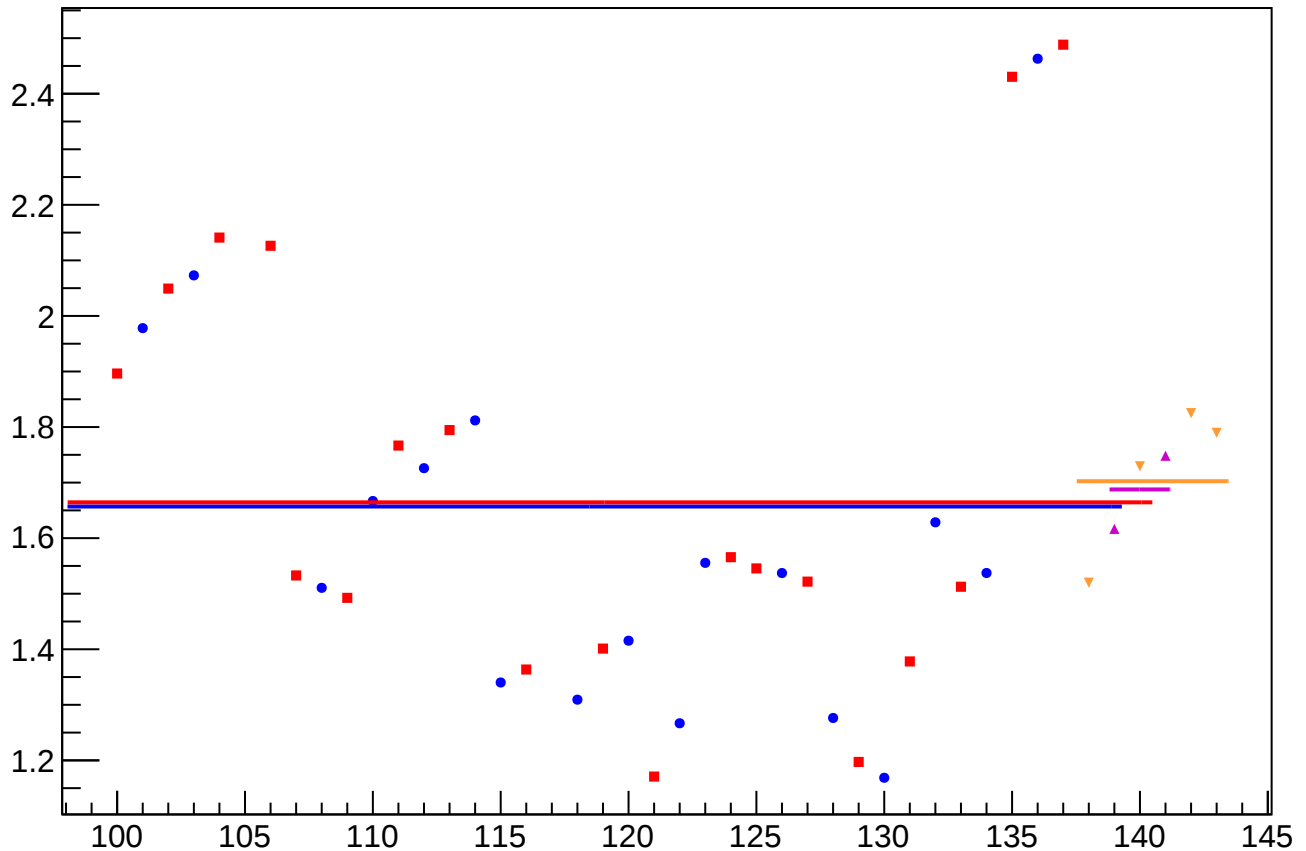
Left In: 0.010+/-0.000 χ^2/NDF : 8380.2/1

+ sign 0.008+/-0.000 χ^2/NDF : 269552.2/20

All: 0.008+/-0.000 χ^2/NDF : 453715.4/41

- sign 0.008+/-0.000 χ^2/NDF : 183144.5/20

yield_bpm0i02aX_mean vs Slug



Right In: 1.657 $\pm$ 0.000 χ^2 /NDF: 6432420267.9/16

Left Out: 1.702 $\pm$ 0.000 χ^2 /NDF: 307723557.5/3

Right Out: 1.664 $\pm$ 0.000 χ^2 /NDF: 5940917748.5/18

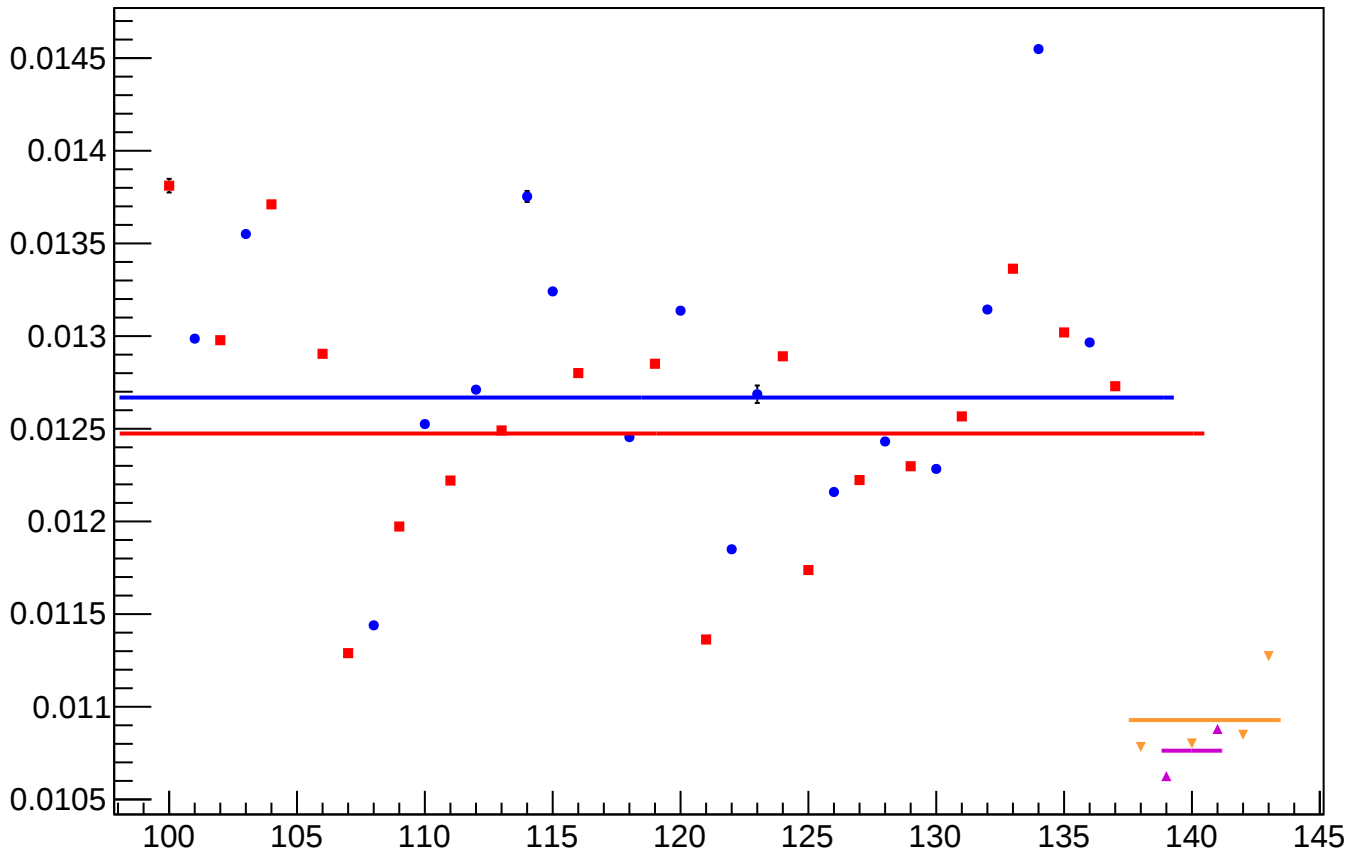
Left In: 1.688 $\pm$ 0.000 χ^2 /NDF: 55752389.8/1

+ sign 1.673 $\pm$ 0.000 χ^2 /NDF: 6769898832.5/20

All: 1.671 $\pm$ 0.000 χ^2 /NDF: 12772273003.5/4

- sign 1.670 $\pm$ 0.000 χ^2 /NDF: 6002053284.5/20

yield_bpm0i02aX_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF : 31725.8/16

Left Out: 0.011+/-0.000 χ^2/NDF :1903.7/3

Right Out: 0.012+/-0.000 χ^2/NDF : 38559.4/18

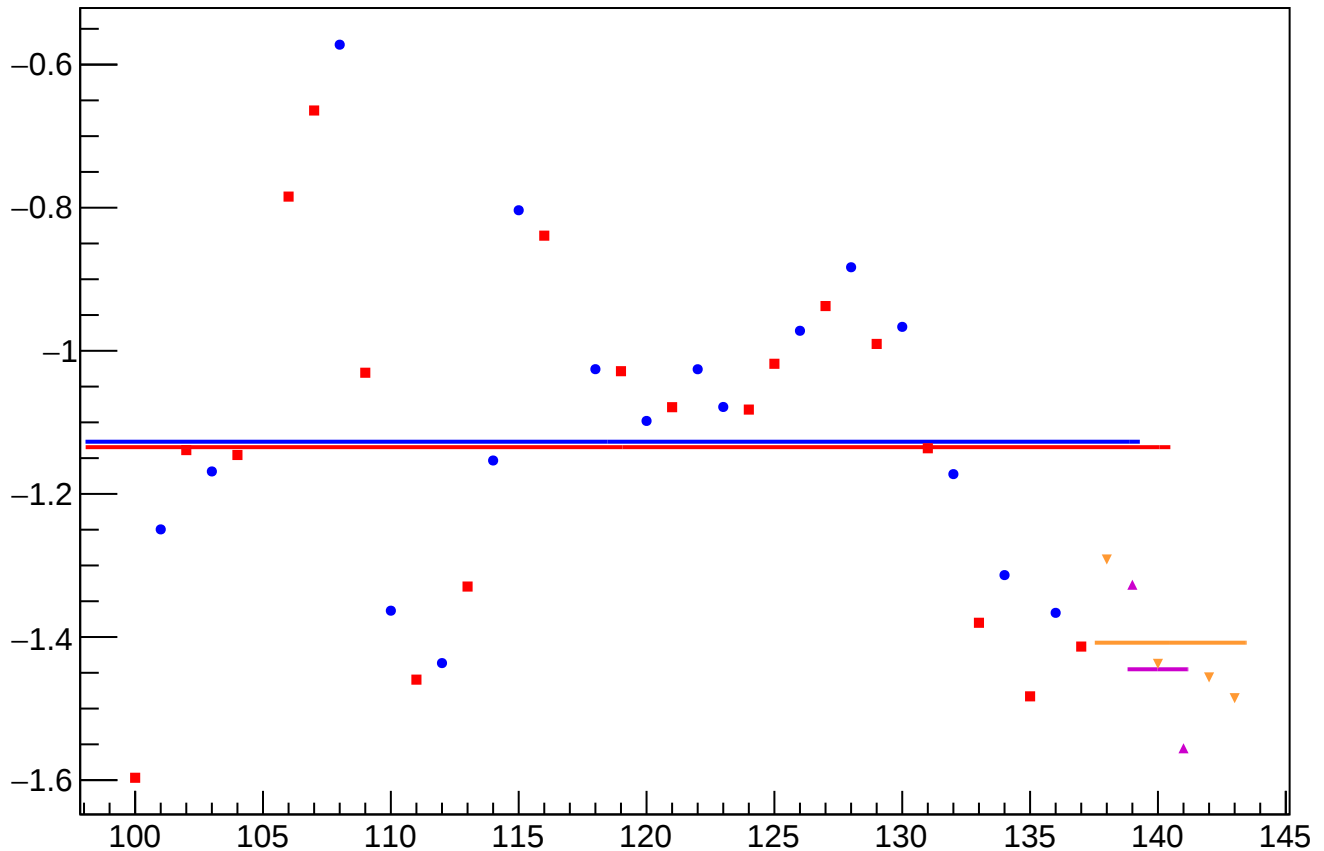
Left In: 0.011+/-0.000 χ^2/NDF :416.4/1

+ sign 0.012+/-0.000 χ^2/NDF : 120640.9/20

All: 0.012+/-0.000 χ^2/NDF : 218298.7/41

- sign 0.012+/-0.000 χ^2/NDF : 97598.8/20

yield_bpm0i02aY_mean vs Slug



Right In: -1.127+/-0.000 χ^2/NDF : 3546179478.6/16

Left Out: -1.408+/-0.000 χ^2/NDF : 249749422.9/3

Right Out: -1.135+/-0.000 χ^2/NDF : 3674870672.6/18

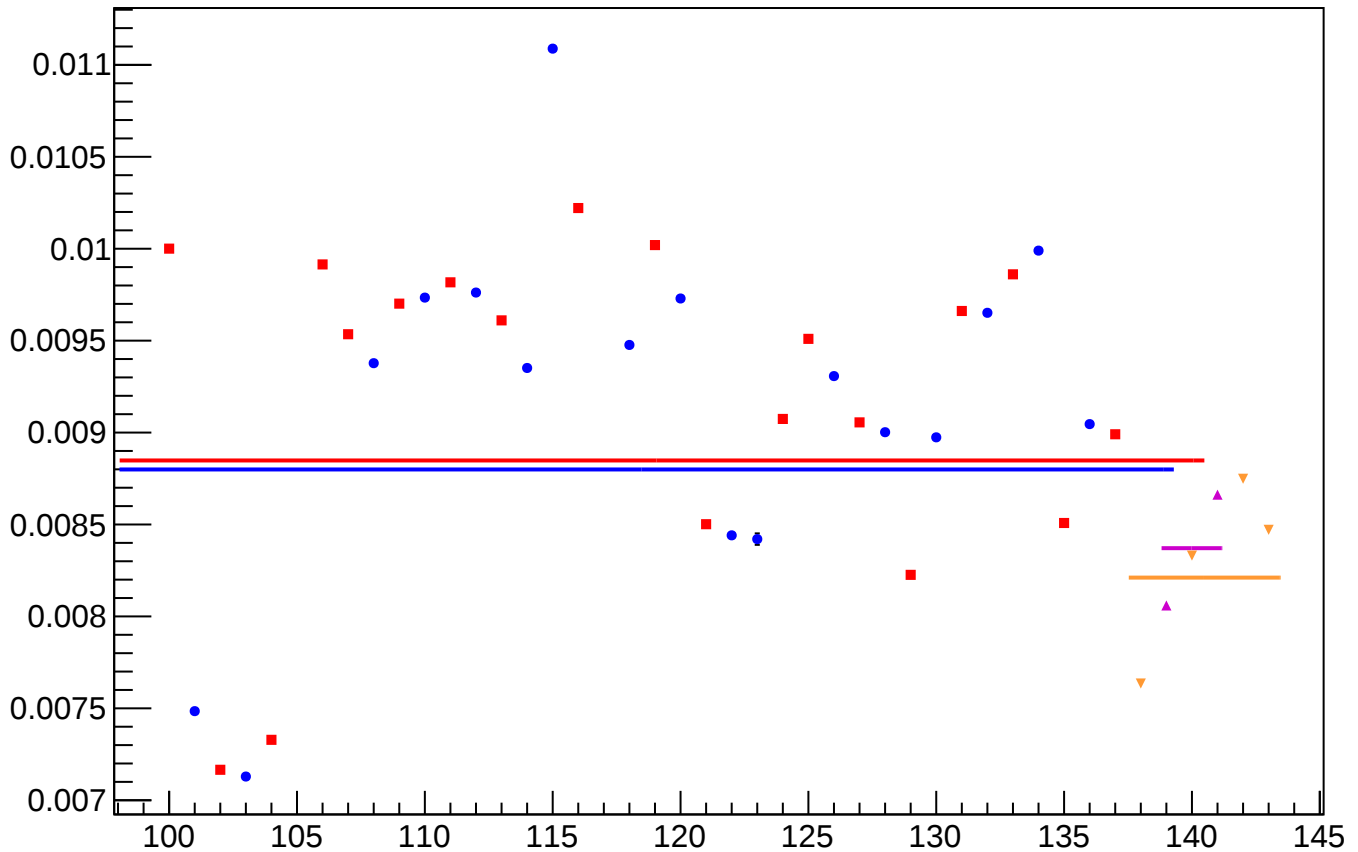
Left In: -1.445+/-0.000 χ^2/NDF : 277257212.9/1

+ sign -1.218+/-0.000 χ^2/NDF : 5893972424.5/20

All: -1.208+/-0.000 χ^2/NDF : 11505762817.2/20

- sign -1.197+/-0.000 χ^2/NDF : 5587152184.3/20

yield_bpm0i02aY_rms vs Slug



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 151524.0/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:12919.6/3

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 174016.9/18

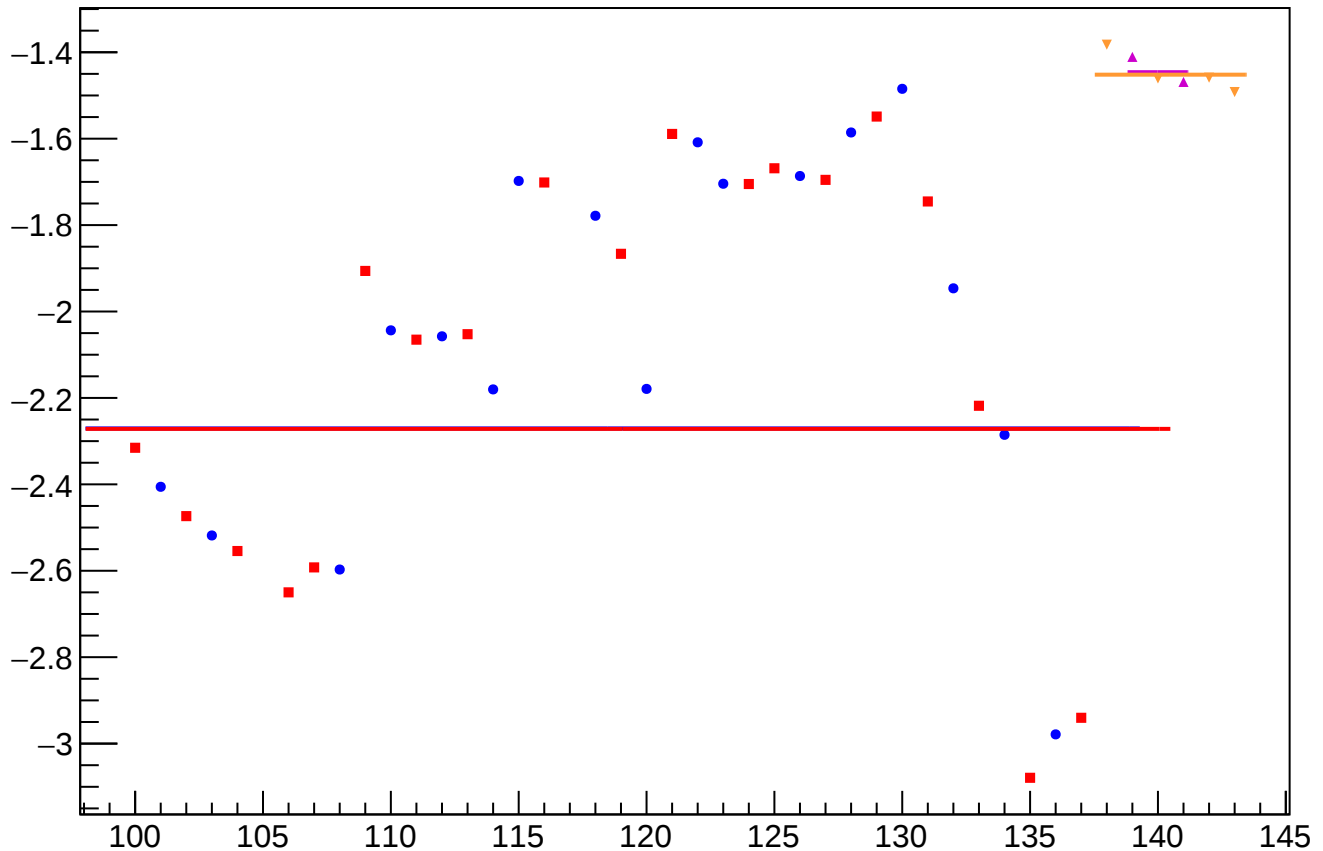
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:3856.0/1

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 182846.4/20

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 370769.7/41

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 185598.1/20

yield_bpm0i05X_mean vs Slug



Right In: -2.271+/-0.000 χ^2 /NDF: 17322622121.9/16

Left Out: -1.452+/-0.000 χ^2 /NDF: 65347944.6/3

Right Out: -2.272+/-0.000 χ^2 /NDF: 19002792241.6/18

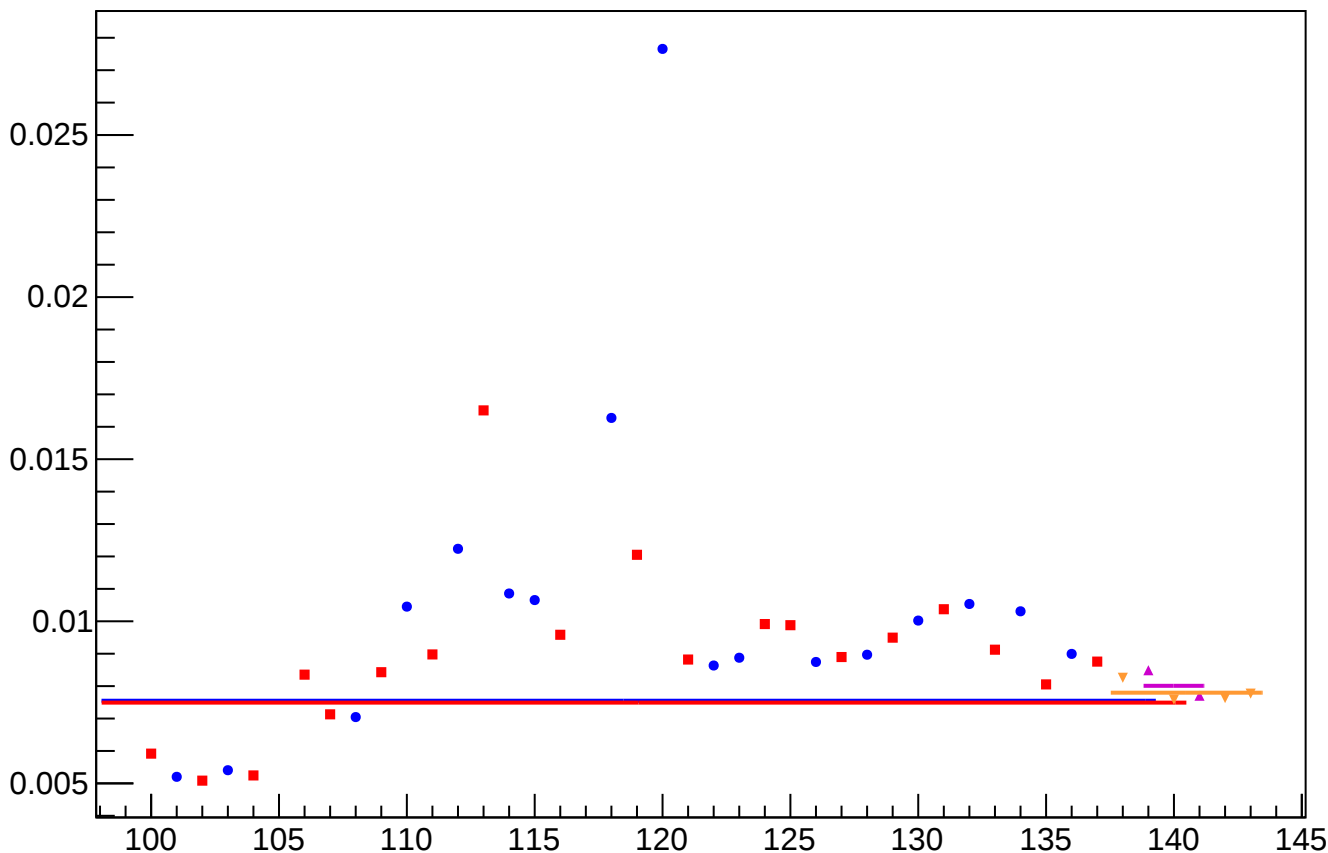
Left In: -1.446+/-0.000 χ^2 /NDF: 18044989.0/1

+ sign -2.010+/-0.000 χ^2 /NDF: 36186456897.7/20

All: -2.063+/-0.000 χ^2 /NDF: 68513662560.6/20

- sign -2.119+/-0.000 χ^2 /NDF: 31580033162.8/20

yield_bpm0i05X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 1215131.1/16

Left Out: 0.008+/-0.000 χ^2/NDF : 5507.9/3

Right Out: 0.007+/-0.000 χ^2/NDF : 926036.5/18

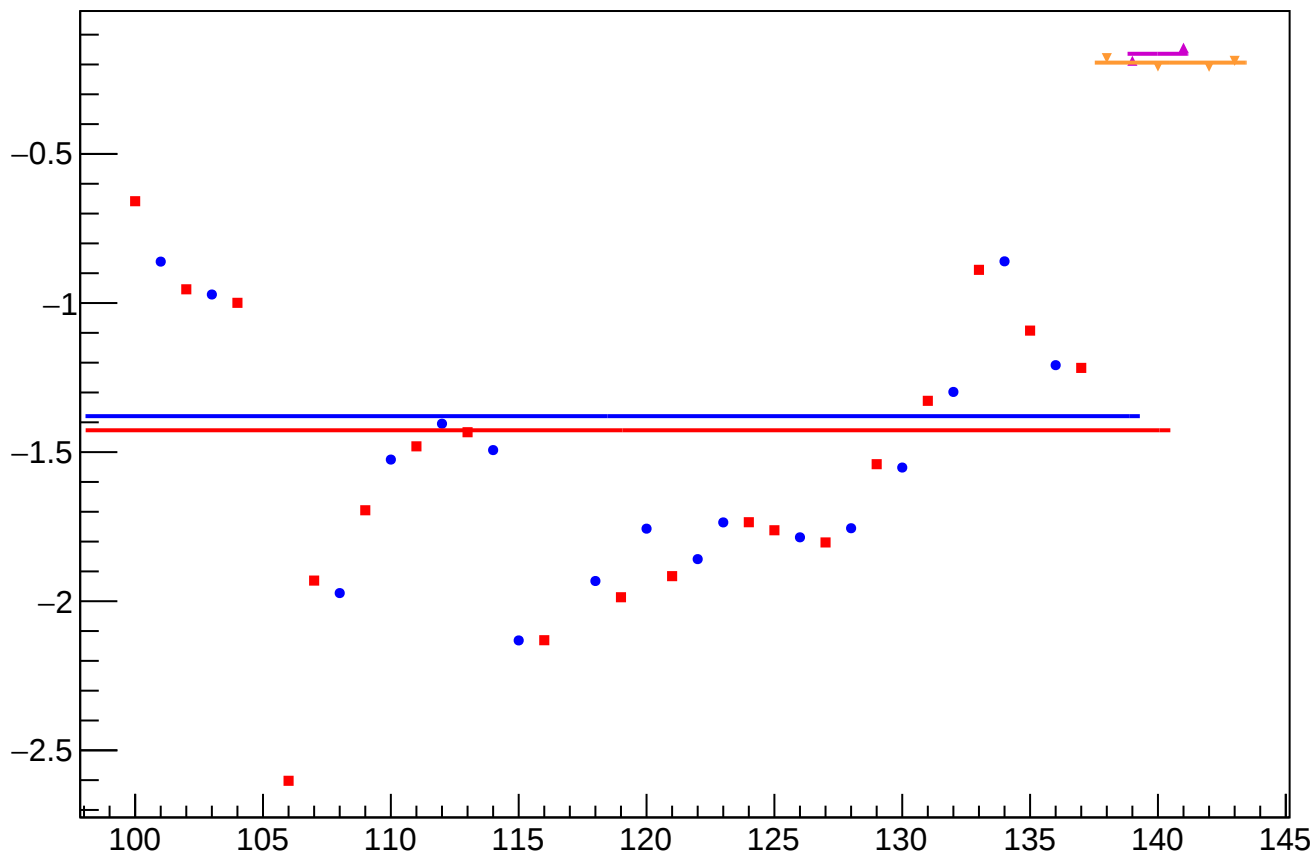
Left In: 0.008+/-0.000 χ^2/NDF : 6641.1/1

+ sign 0.008+/-0.000 χ^2/NDF : 1224100.8/20

All: 0.008+/-0.000 χ^2/NDF : 2166900.9/41

- sign 0.008+/-0.000 χ^2/NDF : 942587.4/20

yield_bpm0i05Y_mean vs Slug



Right In: -1.379+/-0.000 χ^2/NDF : 19933785465.4/16

Left Out: -0.194+/-0.000 χ^2/NDF : 23186533.5/3

Right Out: -1.427+/-0.000 χ^2/NDF : 29588471982.5/18

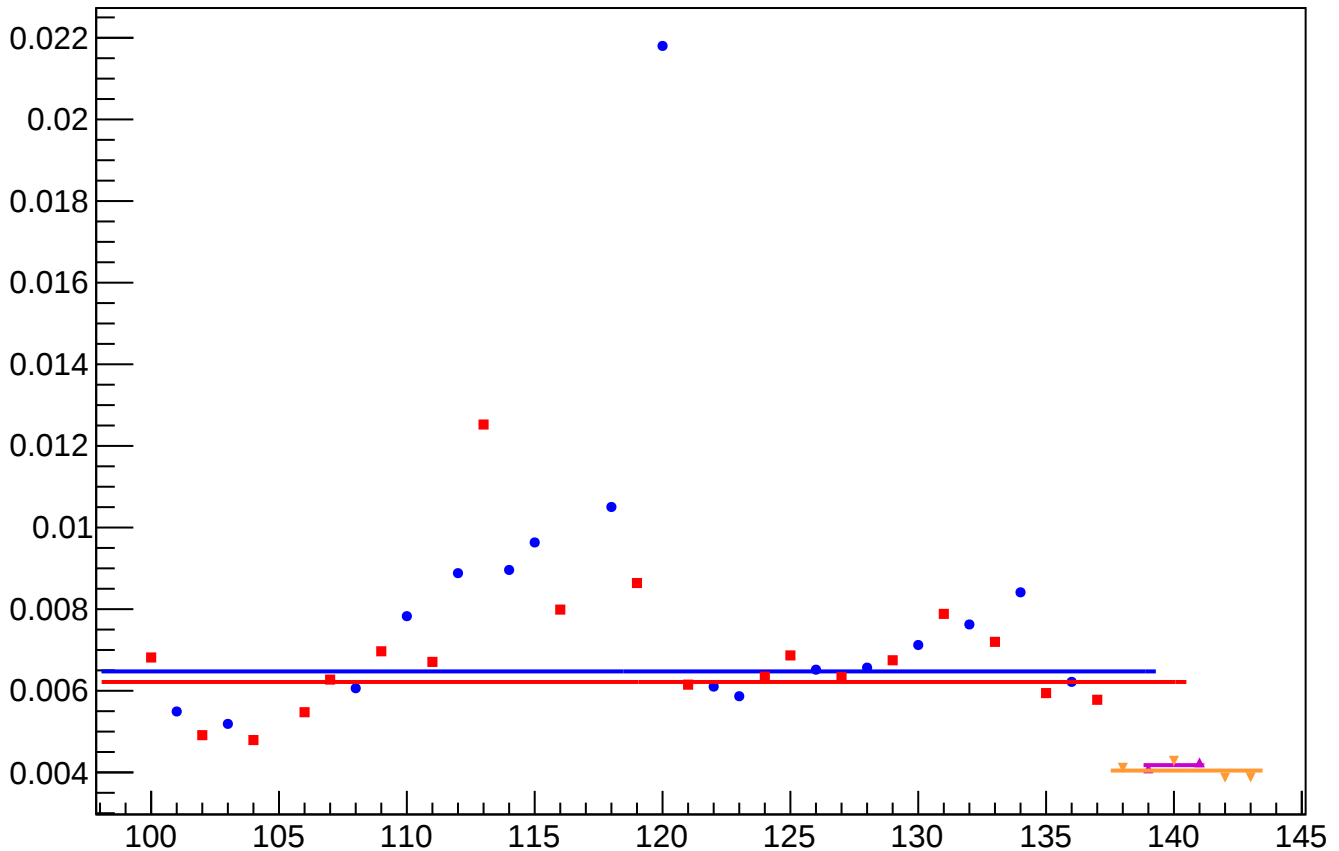
Left In: -0.164+/-0.000 χ^2/NDF : 39444737.9/1

+ sign -0.731+/-0.000 χ^2/NDF : 119513365695.6/20

All: -0.844+/-0.000 χ^2/NDF : 242461716849.4

- sign -0.982+/-0.000 χ^2/NDF : 114808827140.5/20

yield_bpm0i05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 570434.3/16

Left Out: 0.004+/-0.000 χ^2/NDF : 9317.2/3

Right Out: 0.006+/-0.000 χ^2/NDF : 418205.6/18

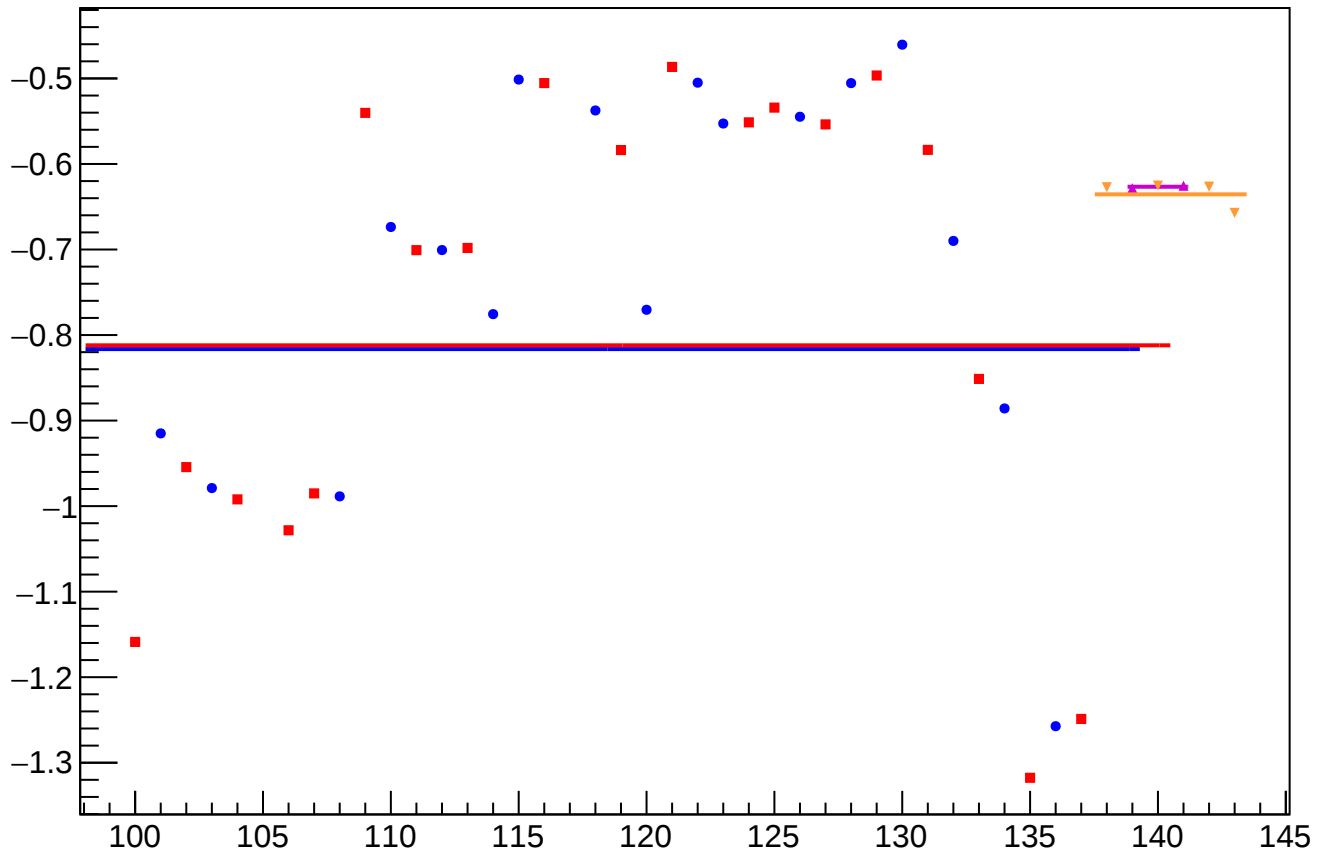
Left In: 0.004+/-0.000 χ^2/NDF : 883.7/1

+ sign 0.005+/-0.000 χ^2/NDF : 1415894.9/20

All: 0.005+/-0.000 χ^2/NDF : 2310656.5/41

- sign 0.005+/-0.000 χ^2/NDF : 862709.2/20

yield_bpm0i07X_mean vs Slug



Right In: -0.816+/-0.000 χ^2/NDF : 14108272810.0/16

Left Out: -0.636+/-0.000 χ^2/NDF : 17979728.8/3

Right Out: -0.812+/-0.000 χ^2/NDF : 16809508448.8/18

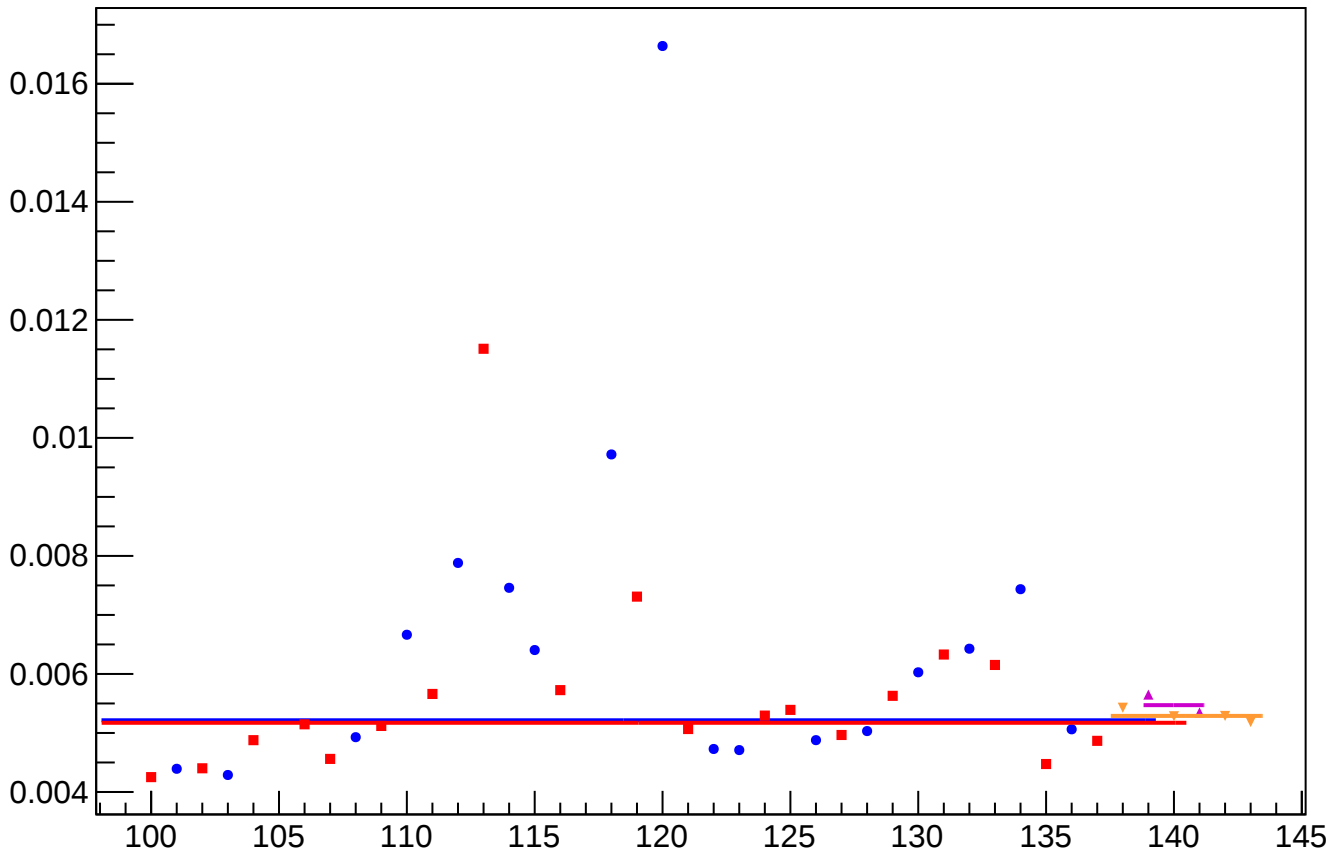
Left In: -0.627+/-0.000 χ^2/NDF : 100265.3/1

+ sign -0.760+/-0.000 χ^2/NDF : 16131947727.3/20

All: -0.769+/-0.000 χ^2/NDF : 34351627043.7/1

- sign -0.779+/-0.000 χ^2/NDF : 18169184182.1/20

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 662832.6/16

Left Out: 0.005+/-0.000 χ^2/NDF :1405.9/3

Right Out: 0.005+/-0.000 χ^2/NDF : 359707.6/18

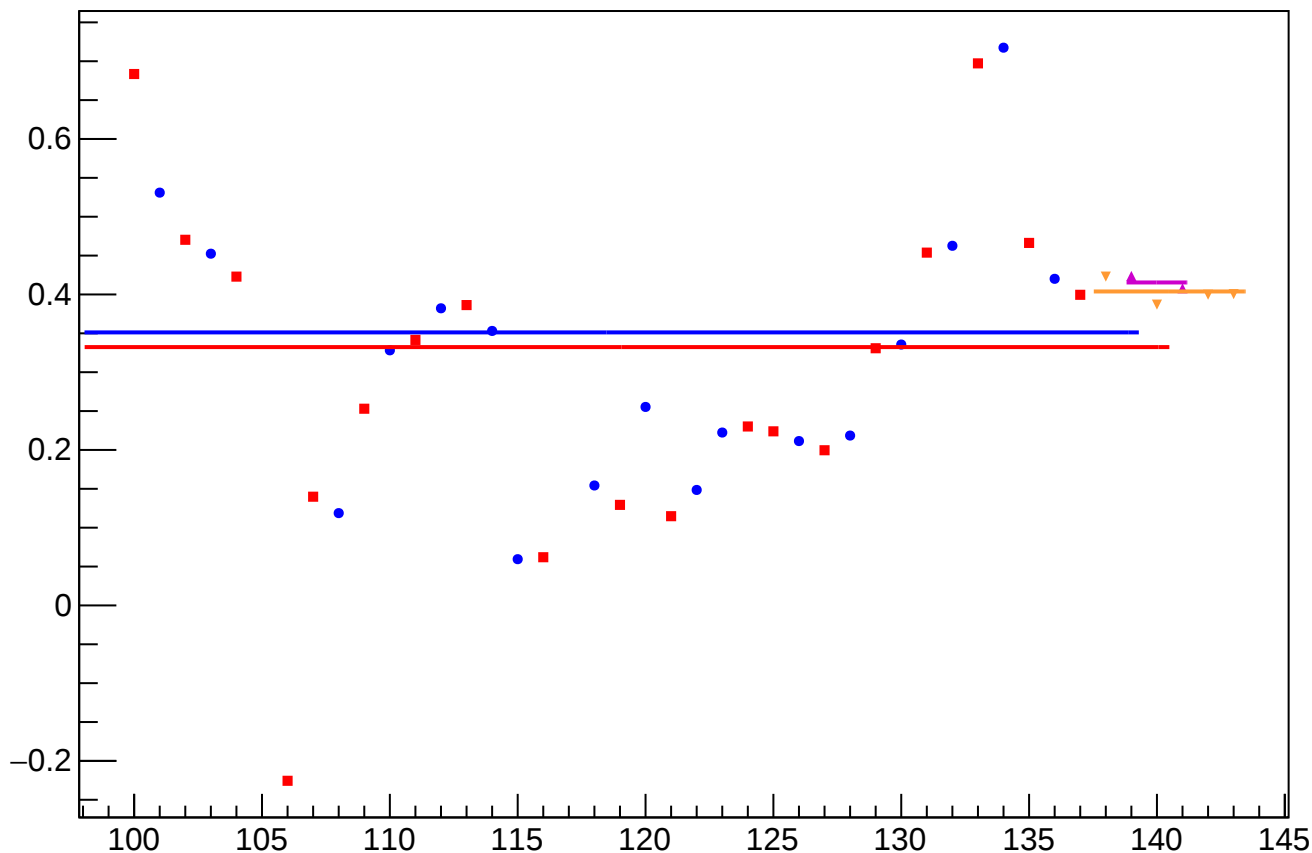
Left In: 0.005+/-0.000 χ^2/NDF :2120.9/1

+ sign 0.005+/-0.000 χ^2/NDF : 664916.2/20

All: 0.005+/-0.000 χ^2/NDF : 1033845.8/41

- sign 0.005+/-0.000 χ^2/NDF : 368888.4/20

yield_bpm0i07Y_mean vs Slug



Right In: 0.351 $\pm$ 0.000 χ^2 /NDF: 7385246200.8/16

Left Out: 0.404 $\pm$ 0.000 χ^2 /NDF:30567326.3/3

Right Out: 0.332 $\pm$ 0.000 χ^2 /NDF: 11783358695.7/18

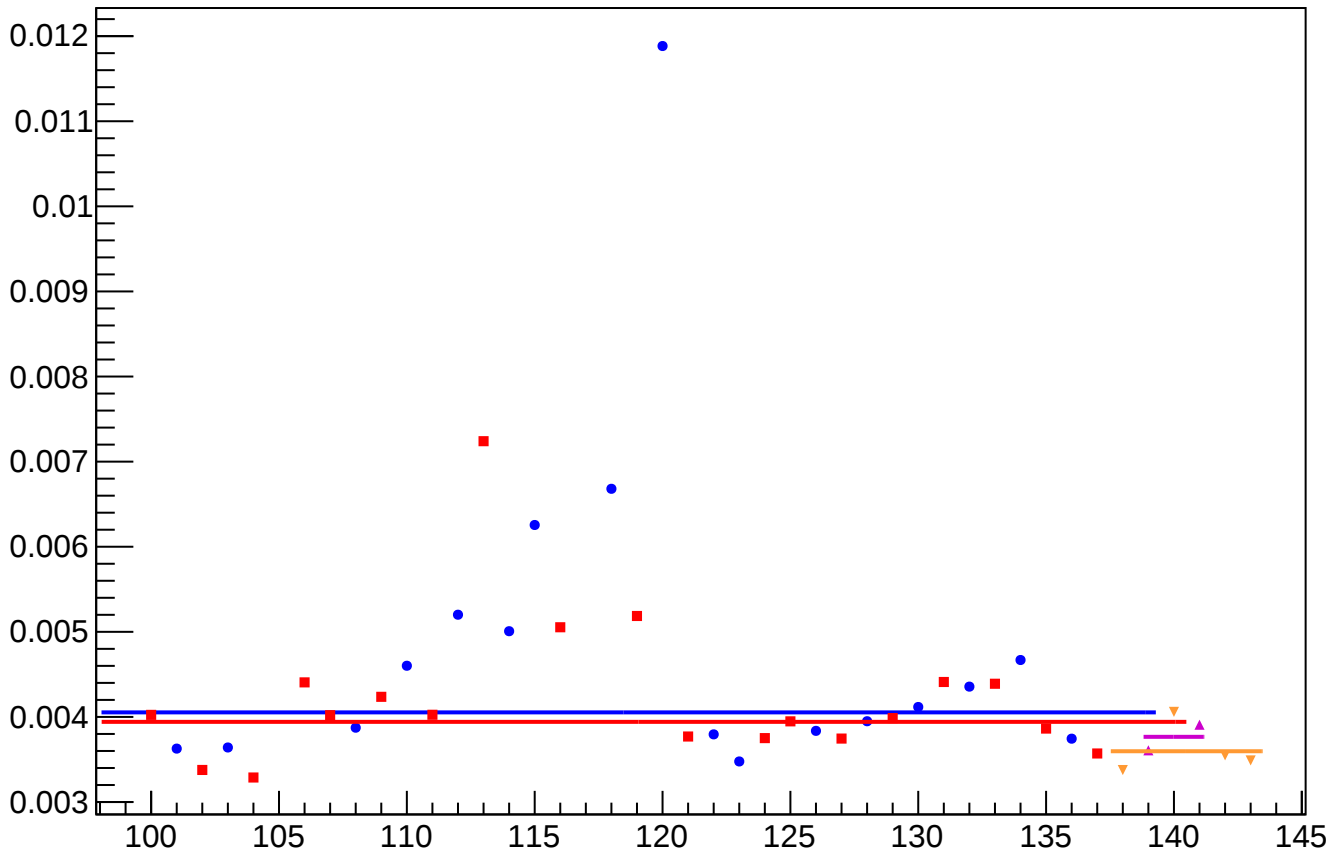
Left In: 0.415 $\pm$ 0.000 χ^2 /NDF:5519284.6/1

+ sign 0.369 $\pm$ 0.000 χ^2 /NDF: 7731063075.5/20

All: 0.358 $\pm$ 0.000 χ^2 /NDF: 20123491902.2/4

- sign 0.347 $\pm$ 0.000 χ^2 /NDF: 12281784784.8/20

yield_bpm0i07Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 453717.7/16

Left Out: 0.004+/-0.000 χ^2/NDF :22931.2/3

Right Out: 0.004+/-0.000 χ^2/NDF : 259219.7/18

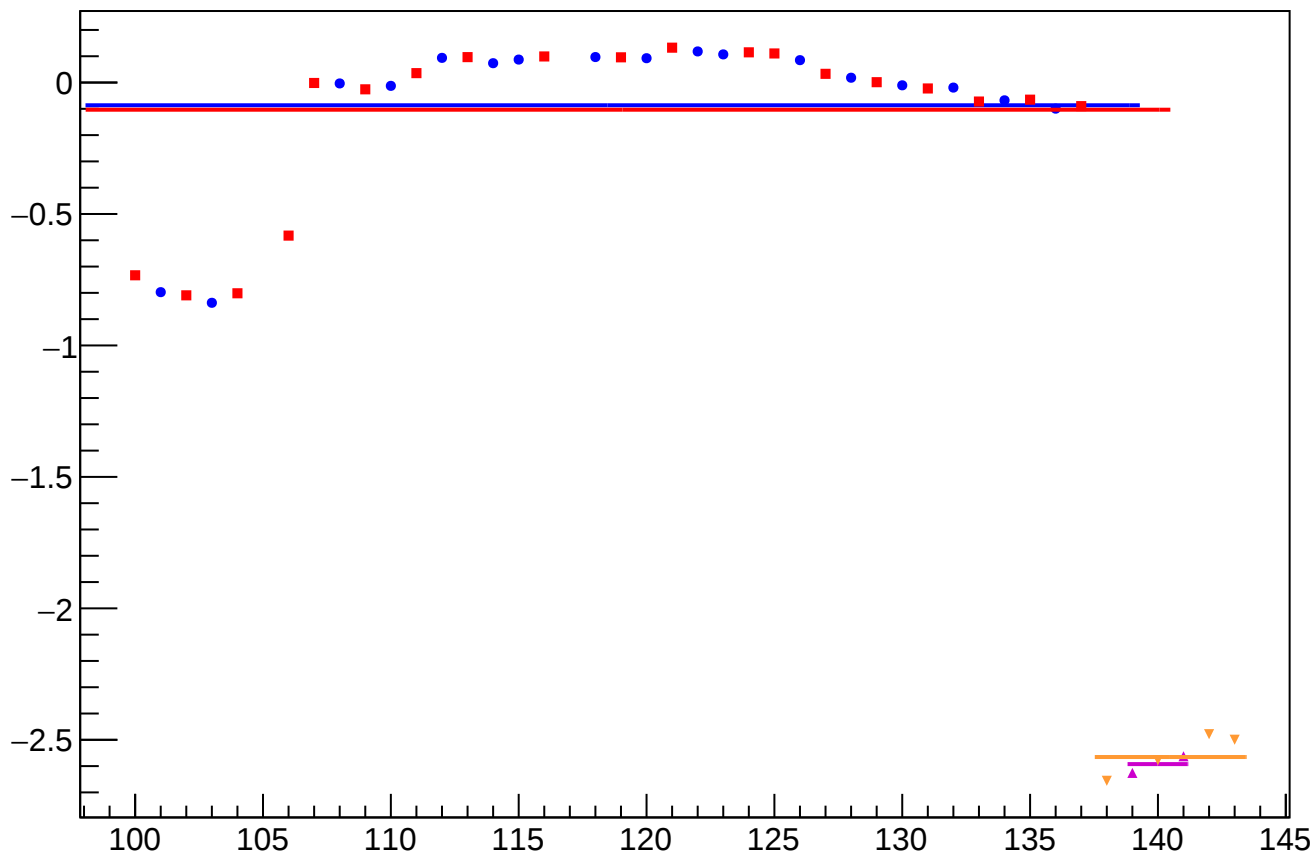
Left In: 0.004+/-0.000 χ^2/NDF :3936.4/1

+ sign 0.004+/-0.000 χ^2/NDF : 524065.9/20

All: 0.004+/-0.000 χ^2/NDF : 791661.4/41

- sign 0.004+/-0.000 χ^2/NDF : 267571.4/20

yield_bpm1i02X_mean vs Slug



Right In: -0.086+/-0.000 χ^2/NDF : 4986216359.8/16

Left Out: -2.565+/-0.000 χ^2/NDF : 68732349.2/3

Right Out: -0.103+/-0.000 χ^2/NDF : 5547327629.3/18

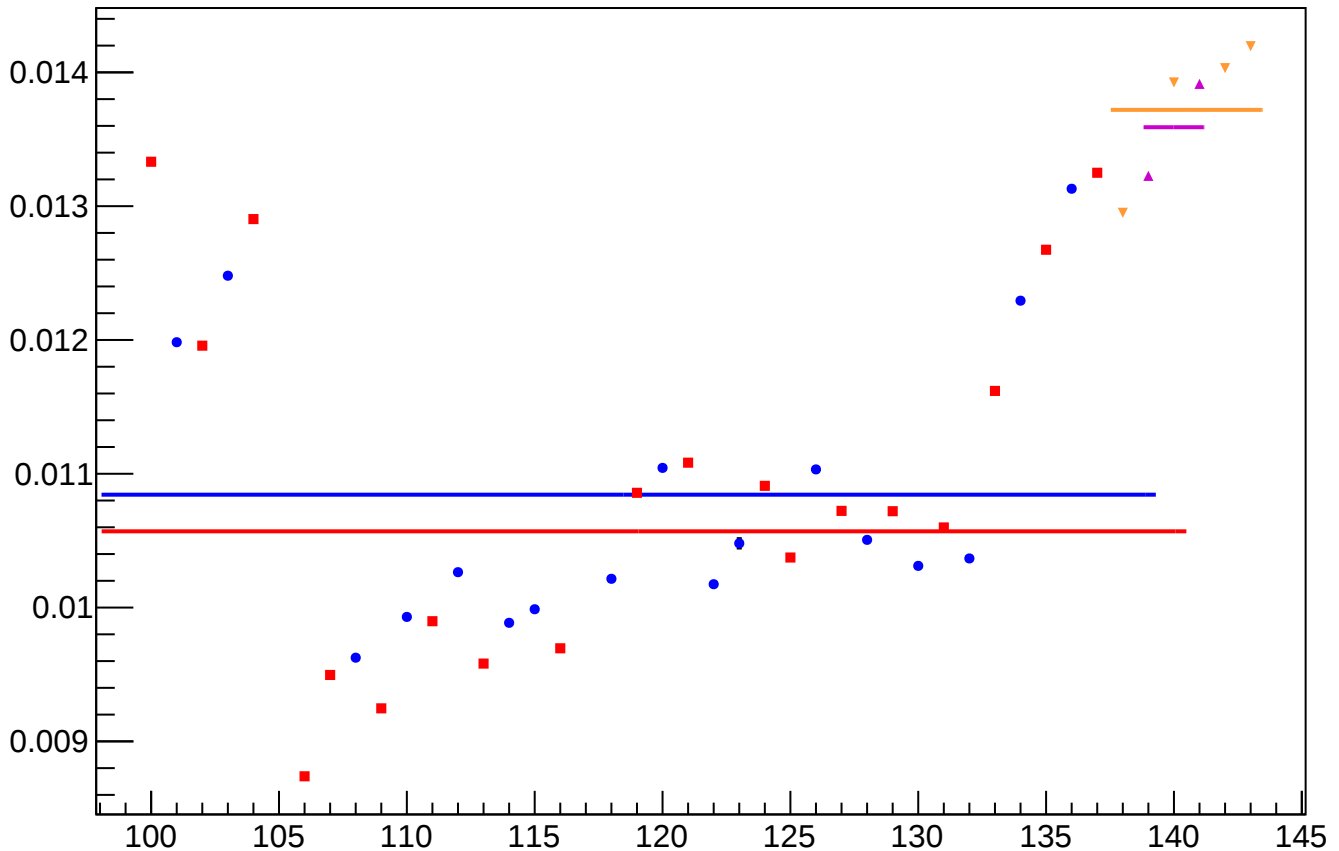
Left In: -2.592+/-0.000 χ^2/NDF : 8195940.6/1

+ sign -0.591+/-0.000 χ^2/NDF : 75395594633.1/20

All: -0.492+/-0.000 χ^2/NDF : 127375578705.4

- sign -0.392+/-0.000 χ^2/NDF : 50588406814.5/20

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 124179.6/16

Left Out: 0.014+/-0.000 χ^2/NDF : 7597.4/3

Right Out: 0.011+/-0.000 χ^2/NDF : 178759.8/18

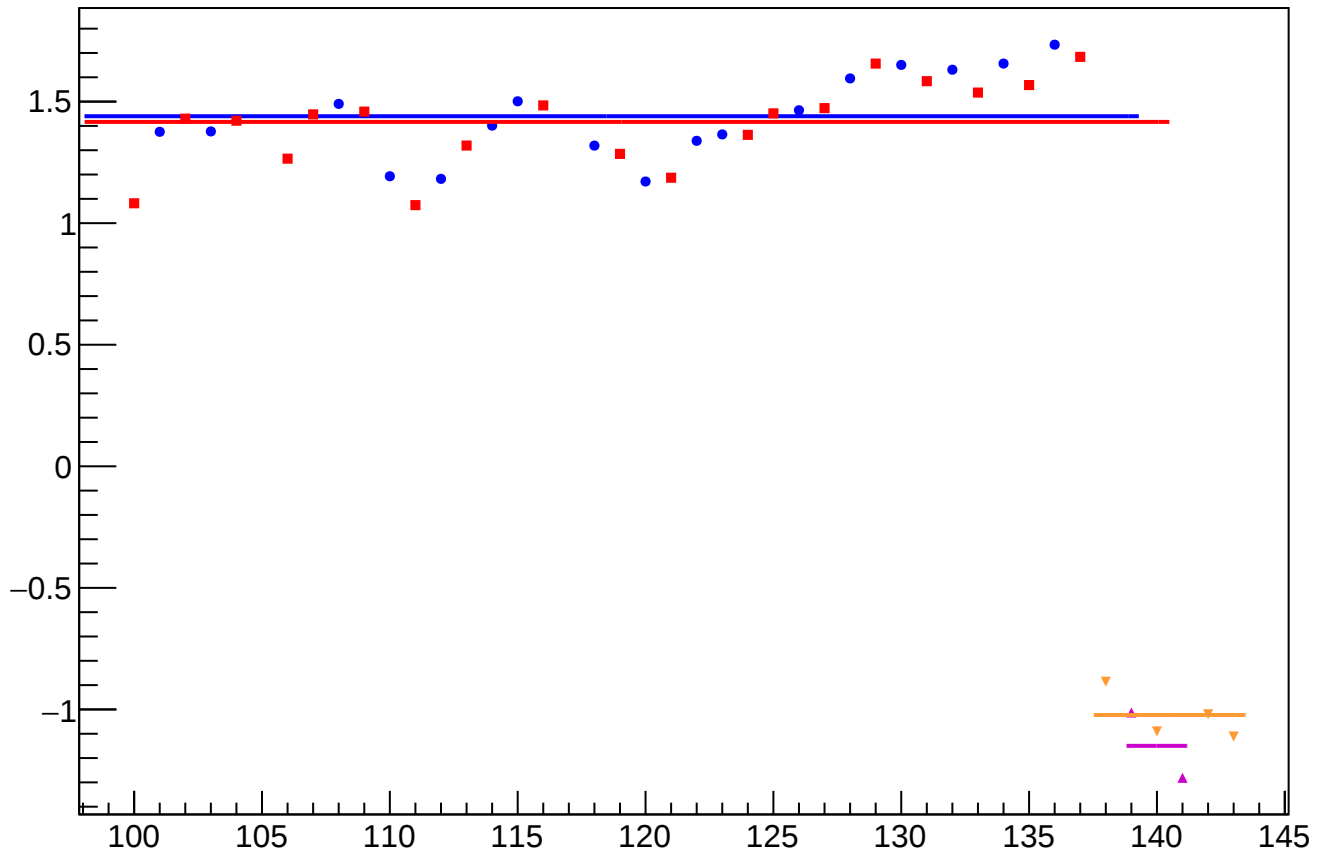
Left In: 0.014+/-0.000 χ^2/NDF : 1936.6/1

+ sign 0.011+/-0.000 χ^2/NDF : 321151.9/20

All: 0.011+/-0.000 χ^2/NDF : 652722.6/41

- sign 0.011+/-0.000 χ^2/NDF : 313306.5/20

yield_bpm1i02Y_mean vs Slug



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3439698839.5/16

Left Out: -1.023 $\pm$ 0.000 χ^2 /NDF: 228830966.4/3

Right Out: 1.416 $\pm$ 0.000 χ^2 /NDF: 2670163204.9/18

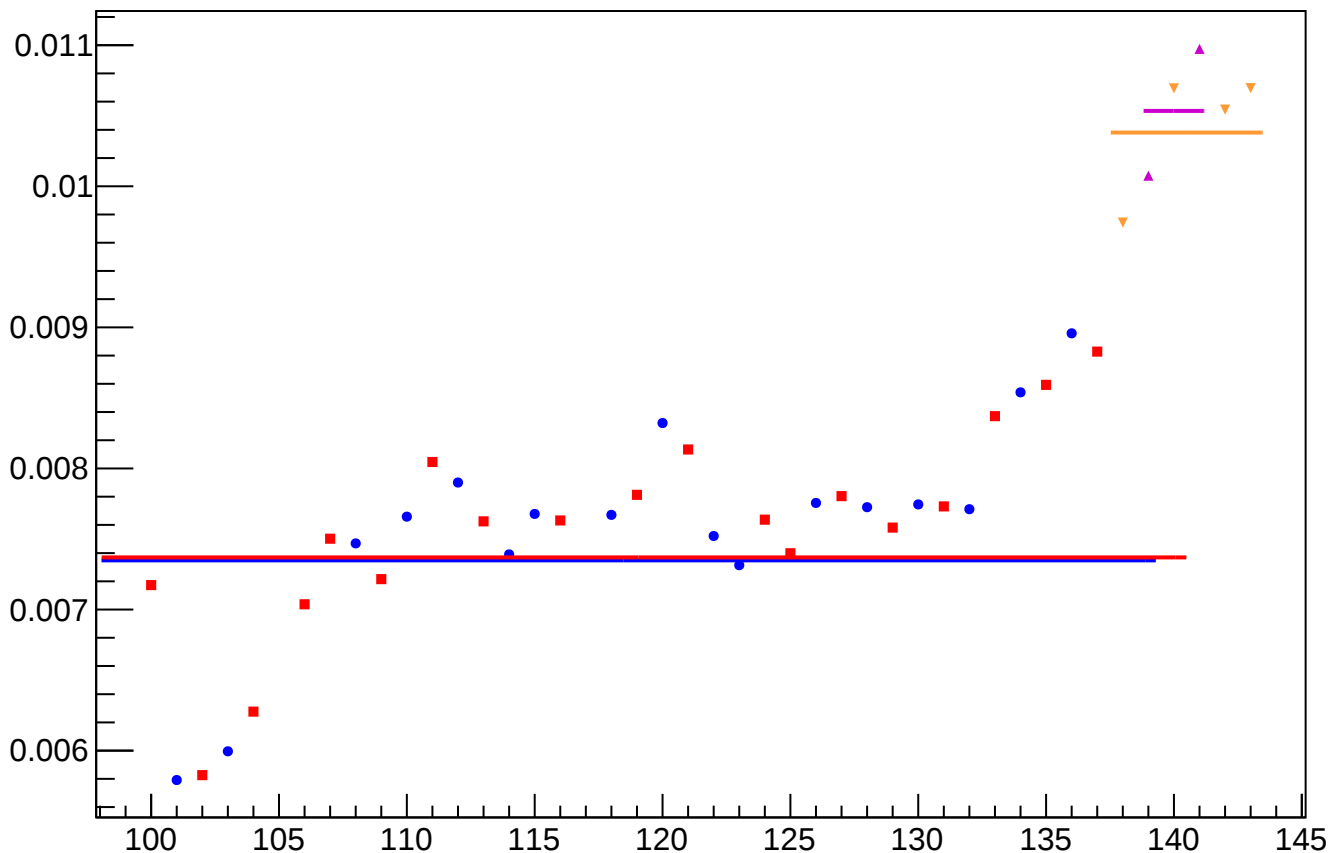
Left In: -1.150 $\pm$ 0.000 χ^2 /NDF: 246465179.6/1

+ sign 1.016 $\pm$ 0.000 χ^2 /NDF: 130410996347.0/20

All: 1.092 $\pm$ 0.000 χ^2 /NDF: 216454714715.2

- sign 1.170 $\pm$ 0.000 χ^2 /NDF: 84336502169.5/20

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 228667.0/16

Left Out: 0.010+/-0.000 χ^2/NDF : 9169.9/3

Right Out: 0.007+/-0.000 χ^2/NDF : 172418.5/18

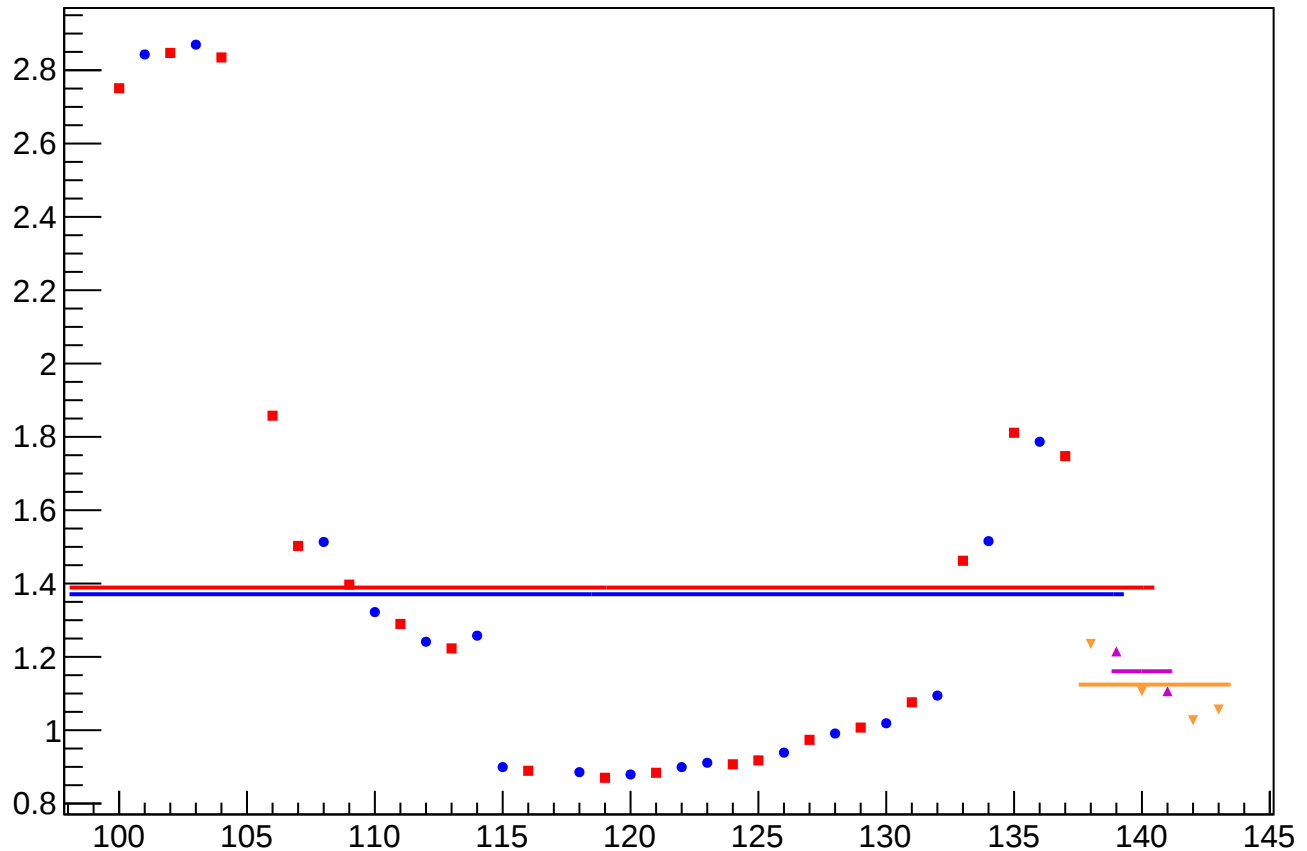
Left In: 0.011+/-0.000 χ^2/NDF : 5522.2/1

+ sign 0.008+/-0.000 χ^2/NDF : 622162.7/20

All: 0.008+/-0.000 χ^2/NDF : 1053326.6/41

- sign 0.008+/-0.000 χ^2/NDF : 425576.7/20

yield_bpm1i04X_mean vs Slug



Right In: 1.371+/-0.000 χ^2/NDF : 54119122912.8/16

Left Out: 1.124+/-0.000 χ^2/NDF : 267299954.4/3

Right Out: 1.389+/-0.000 χ^2/NDF : 49832414351.9/18

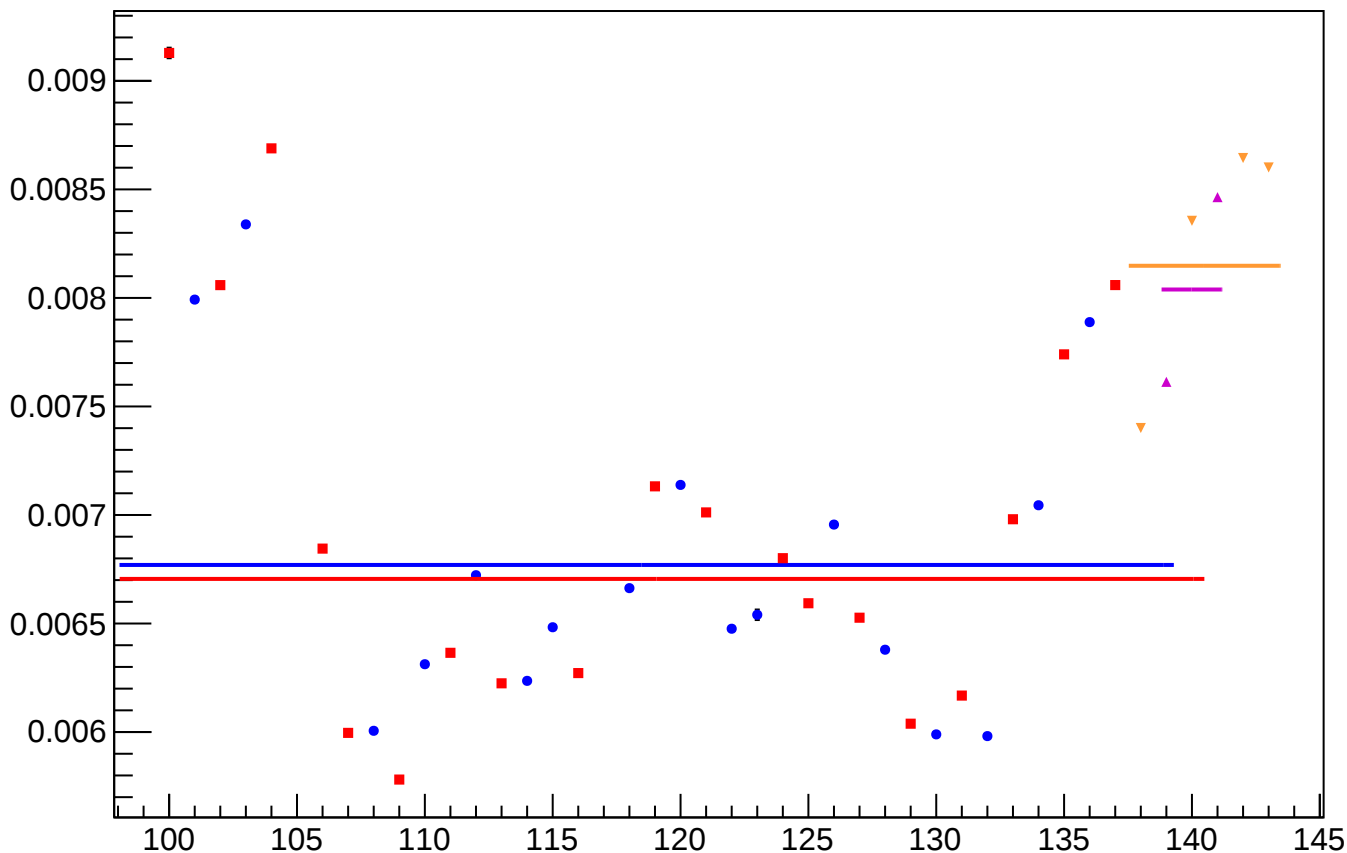
Left In: 1.161+/-0.000 χ^2/NDF : 68703609.6/1

+ sign 1.317+/-0.000 χ^2/NDF : 56307959877.5/20

All: 1.338+/-0.000 χ^2/NDF : 107430291629.5

- sign 1.359+/-0.000 χ^2/NDF : 50957876258.4/20

yield_bpm1i04X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 158743.1/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:22762.1/3

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 189225.3/18

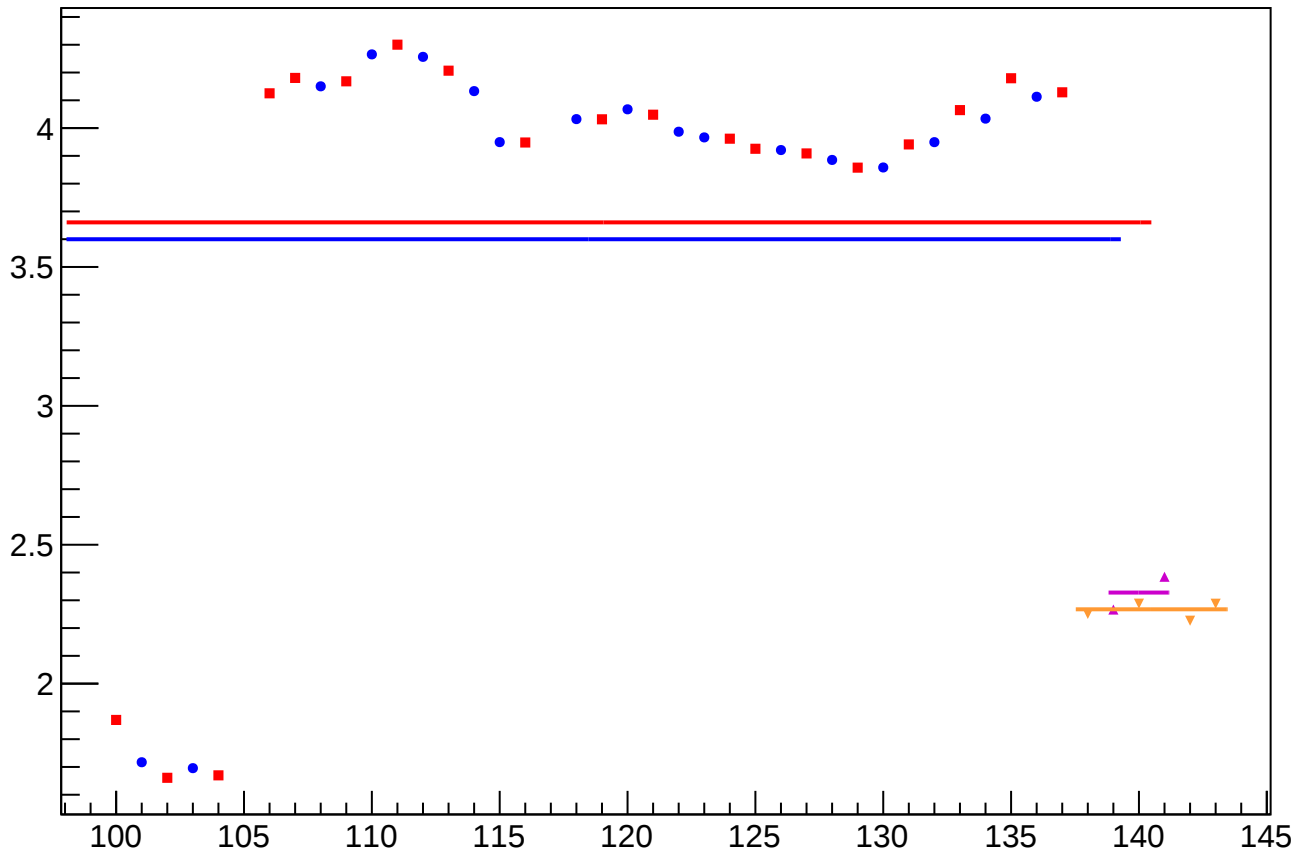
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:8441.1/1

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 301728.8/20

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 578261.1/41

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 269744.3/20

yield_bpm1i04Y_mean vs Slug



Right In: 3.600 $\pm$ 0.000 χ^2 /NDF: 185703271625.0/16

Left Out: 2.268 $\pm$ 0.000 χ^2 /NDF: 29409925.9/3

Right Out: 3.661 $\pm$ 0.000 χ^2 /NDF: 192461584002.7/18

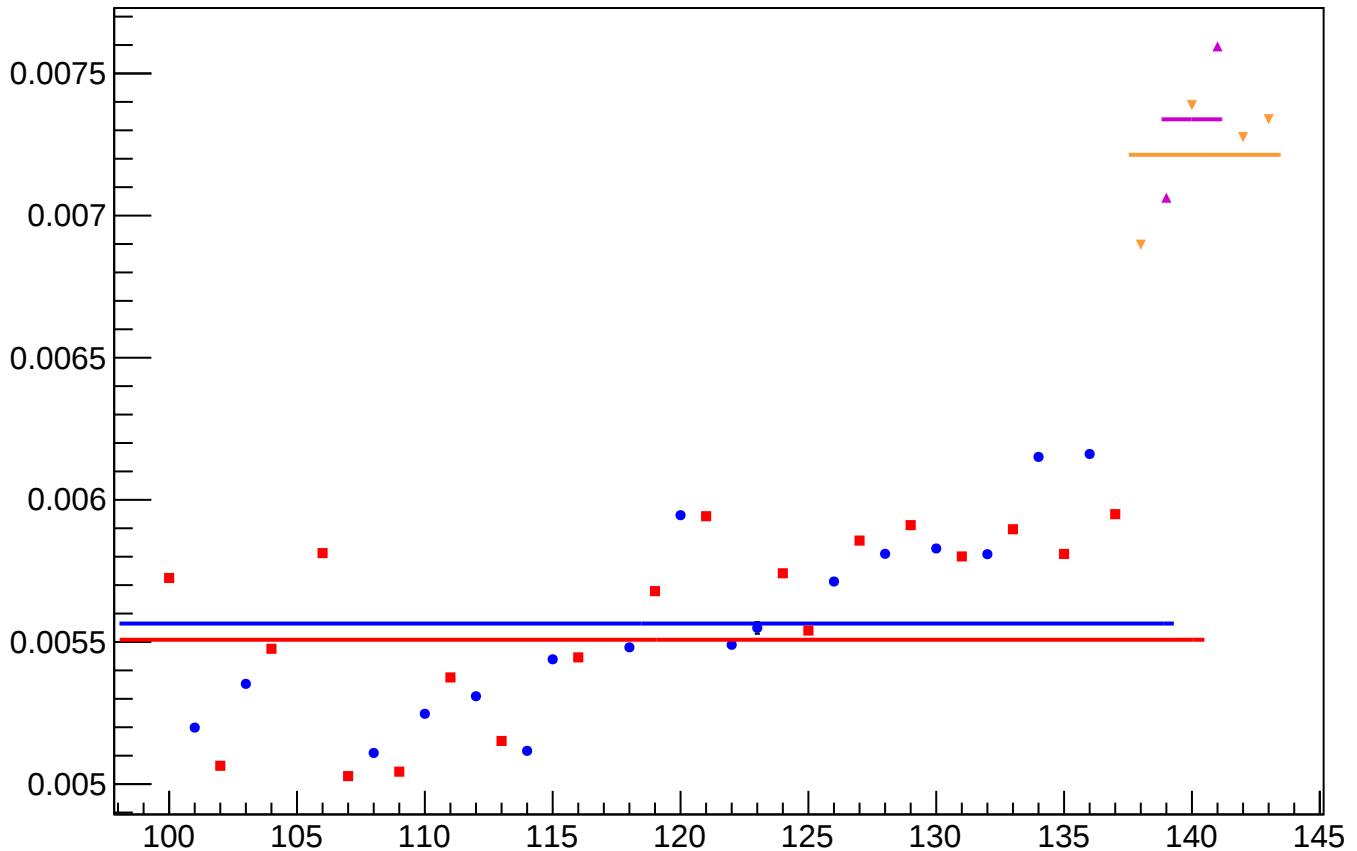
Left In: 2.328 $\pm$ 0.000 χ^2 /NDF: 97979886.1/1

+ sign 3.341 $\pm$ 0.000 χ^2 /NDF: 259921184334.5/20

All: 3.426 $\pm$ 0.000 χ^2 /NDF: 500921008076.5

- sign 3.514 $\pm$ 0.000 χ^2 /NDF: 237061004529.5/20

yield_bpm1i04Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 48084.6/16

Left Out: 0.007+/-0.000 χ^2/NDF : 4429.9/3

Right Out: 0.006+/-0.000 χ^2/NDF : 52399.9/18

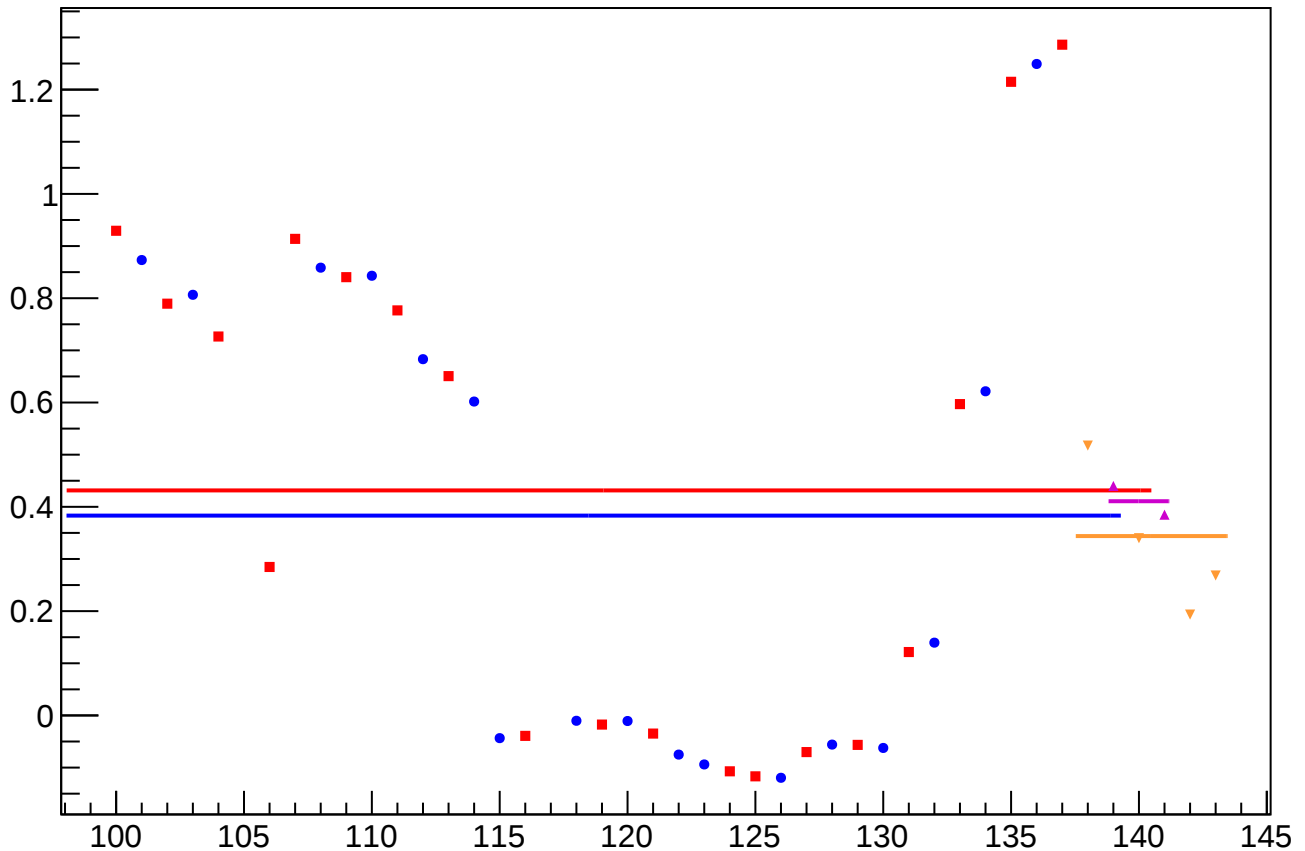
Left In: 0.007+/-0.000 χ^2/NDF : 3983.6/1

+ sign 0.006+/-0.000 χ^2/NDF : 279824.8/20

All: 0.006+/-0.000 χ^2/NDF : 512348.6/41

- sign 0.006+/-0.000 χ^2/NDF : 224352.4/20

yield_bpm1i06X_mean vs Slug



Right In: 0.383+/-0.000 χ^2/NDF : 7098148199.8/16

Left Out: 0.344+/-0.000 χ^2/NDF : 145313706.3/3

+ sign 0.373+/-0.000 χ^2/NDF : 7255720143.7/20

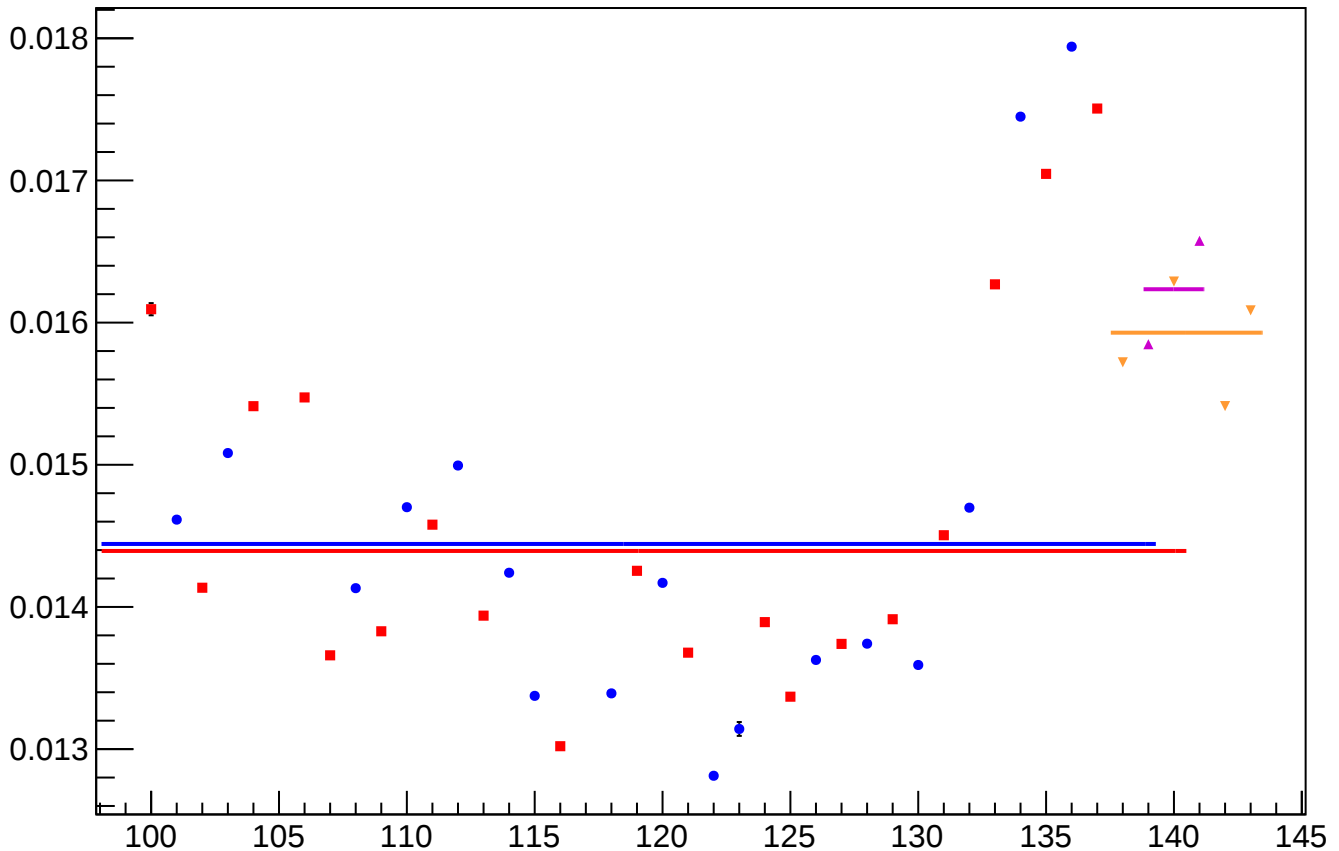
Right Out: 0.431+/-0.000 χ^2/NDF : 6652460982.8/18

All: 0.400+/-0.000 χ^2/NDF : 13976450185.7/4

- sign 0.428+/-0.000 χ^2/NDF : 6658918022.2/20

Left In: 0.411+/-0.000 χ^2/NDF : 4347115.6/1

yield_bpm1i06X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 109417.4/16

Left Out: 0.016+/-0.000 χ^2/NDF : 2124.3/3

Right Out: 0.014+/-0.000 χ^2/NDF : 74186.8/18

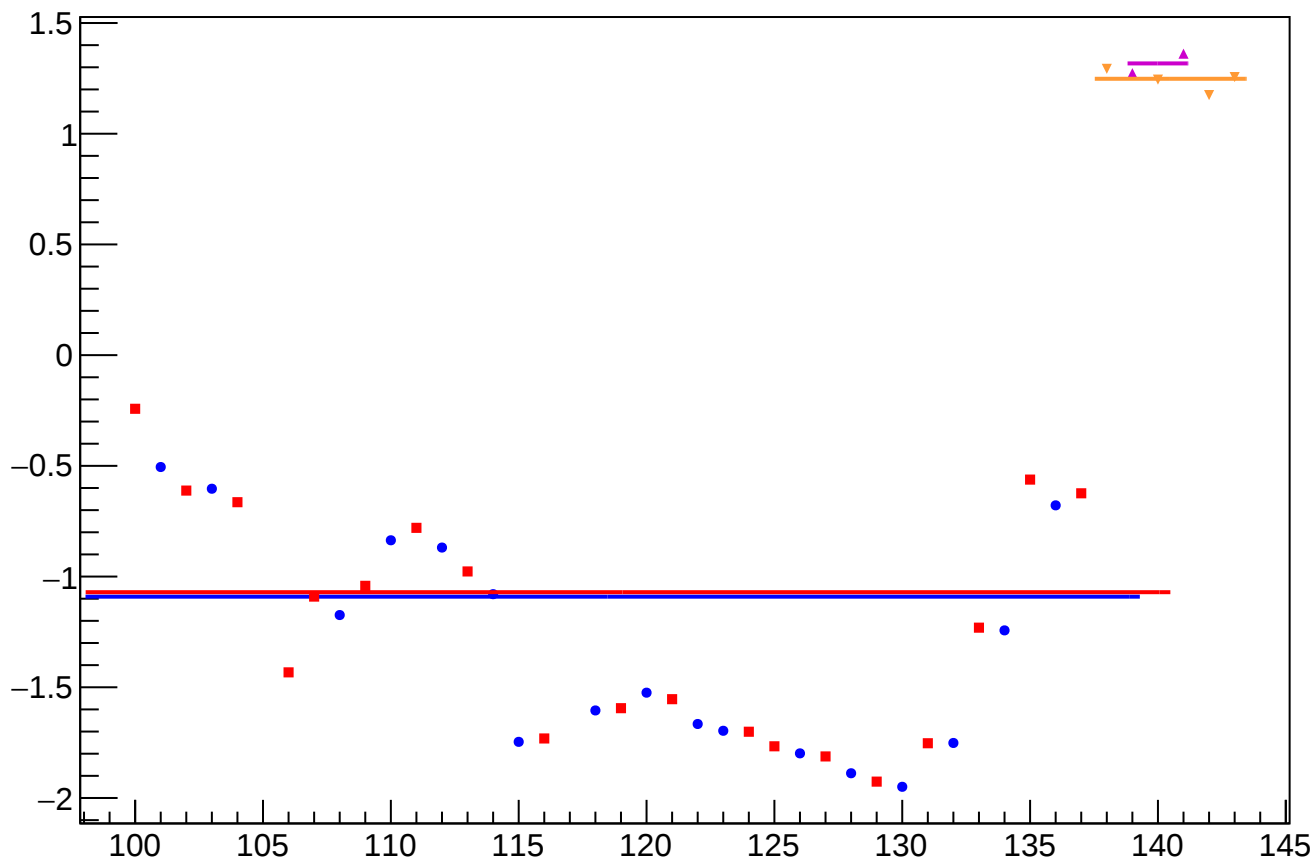
Left In: 0.016+/-0.000 χ^2/NDF : 1516.5/1

+ sign 0.015+/-0.000 χ^2/NDF : 146712.5/20

All: 0.015+/-0.000 χ^2/NDF : 256635.1/41

- sign 0.015+/-0.000 χ^2/NDF : 108974.5/20

yield_bpm1i06Y_mean vs Slug



Right In: -1.091+/-0.000 χ^2/NDF : 55542430282.4/16

Left Out: 1.248+/-0.000 χ^2/NDF : 266073989.7/3

Right Out: -1.071+/-0.000 χ^2/NDF : 46725373904.4/18

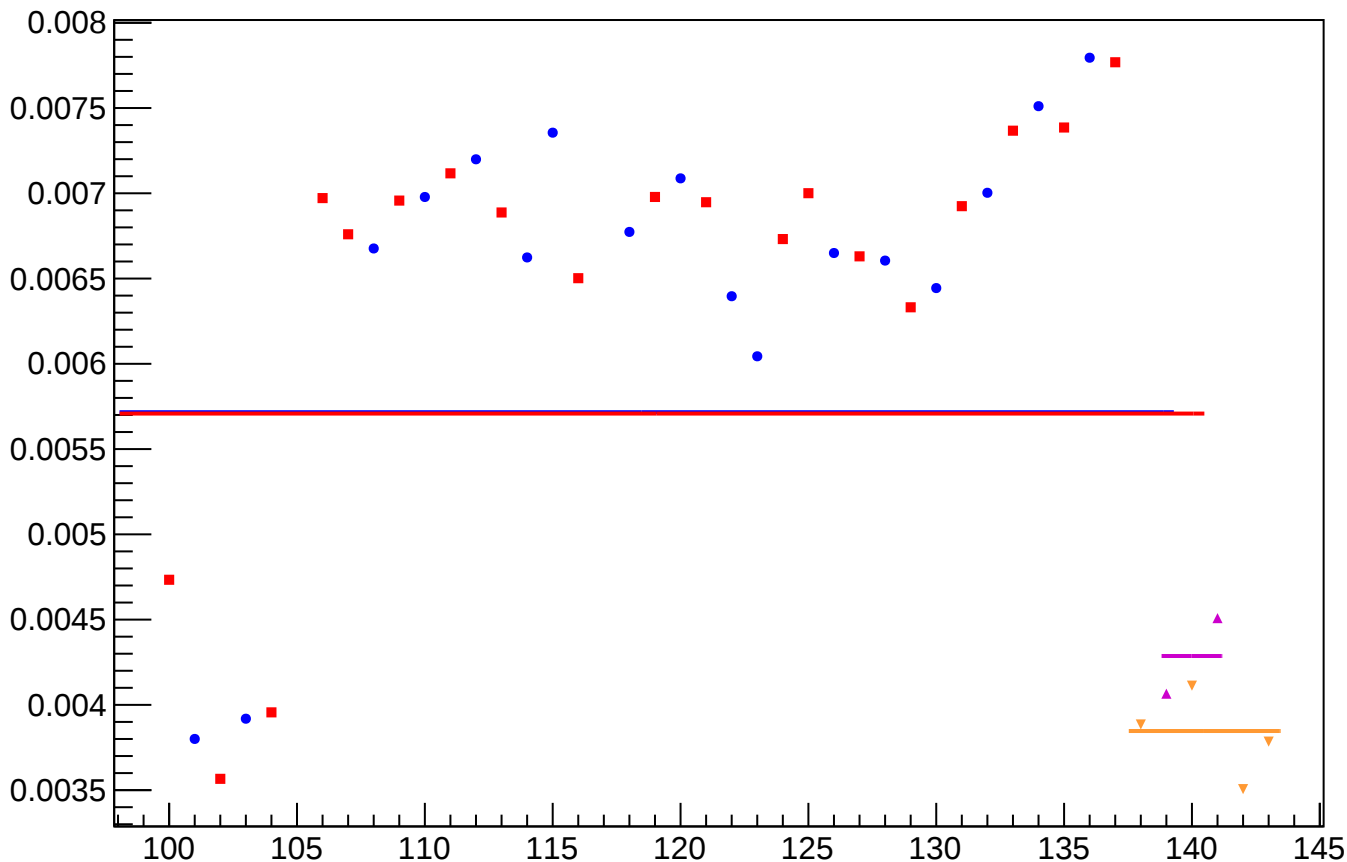
Left In: 1.317+/-0.000 χ^2/NDF : 151053259.5/1

+ sign 0.057+/-0.000 χ^2/NDF : 541368094221.5/20

All: -0.126+/-0.000 χ^2/NDF : 931473644225.6

- sign -0.369+/-0.000 χ^2/NDF : 362451555778.7/20

yield_bpm1i06Y_rms vs Slug



Right In: 0.006 $\pm$ 0.000 χ^2 /NDF: 837929.9/16

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:14210.6/3

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 921337.6/18

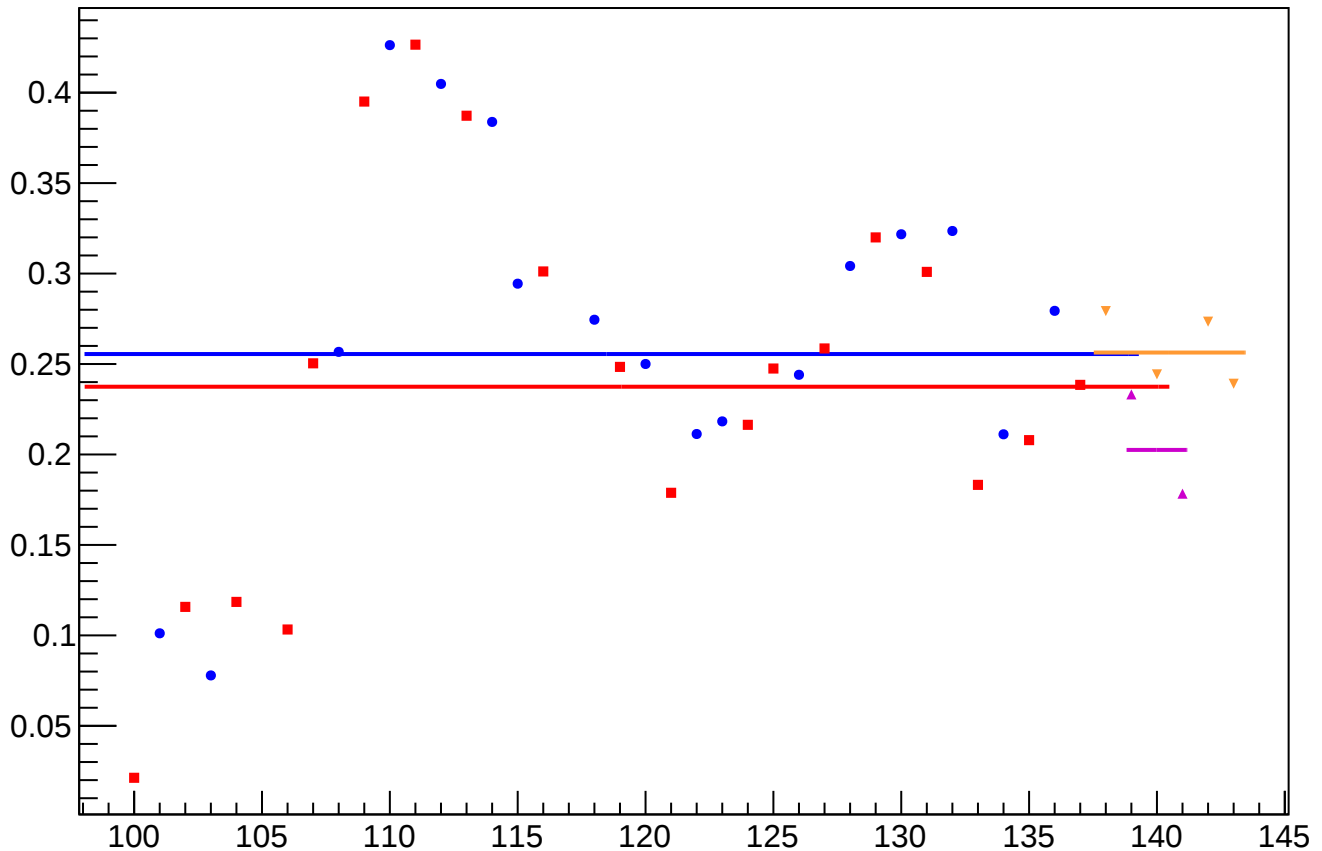
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:7690.0/1

+ sign 0.005 $\pm$ 0.000 χ^2 /NDF: 1472599.6/20

All: 0.005 $\pm$ 0.000 χ^2 /NDF: 2698976.9/41

- sign 0.005 $\pm$ 0.000 χ^2 /NDF: 1152703.6/20

yield_bpm2i01X_mean vs Slug



Right In: 0.256+/-0.000 χ^2/NDF : 21303879000.5/16

Left Out: 0.256+/-0.000 χ^2/NDF : 317657232.3/3

+ sign 0.256+/-0.000 χ^2/NDF : 21622030304.1/20

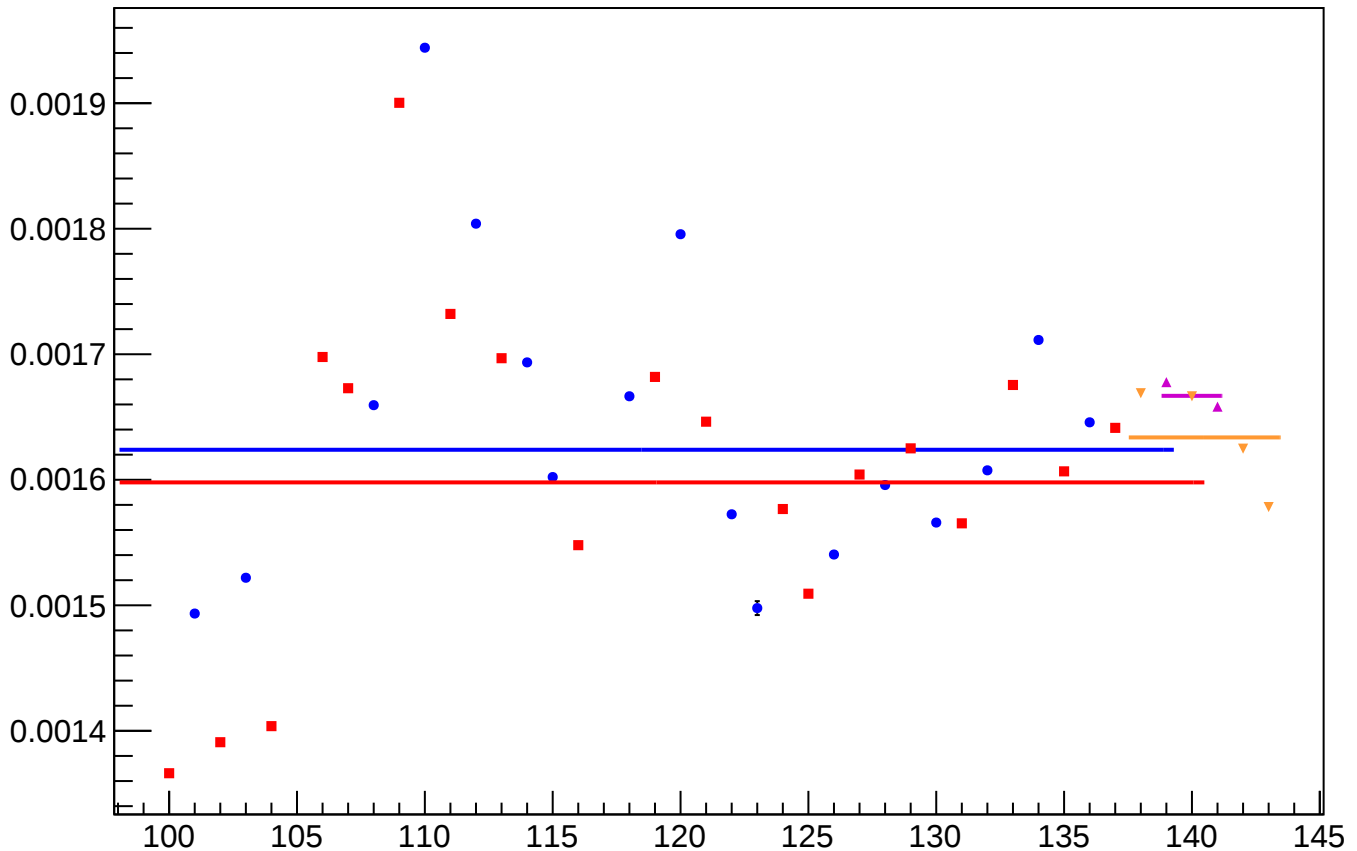
Right Out: 0.237+/-0.000 χ^2/NDF : 26048163947.8/18

All: 0.244+/-0.000 χ^2/NDF : 49606635438.2/4

- sign 0.232+/-0.000 χ^2/NDF : 27006967900.8/20

Left In: 0.203+/-0.000 χ^2/NDF : 404654192.8/1

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 52349.3/16

Left Out: 0.002+/-0.000 χ^2/NDF : 3183.6/3

Right Out: 0.002+/-0.000 χ^2/NDF : 90592.9/18

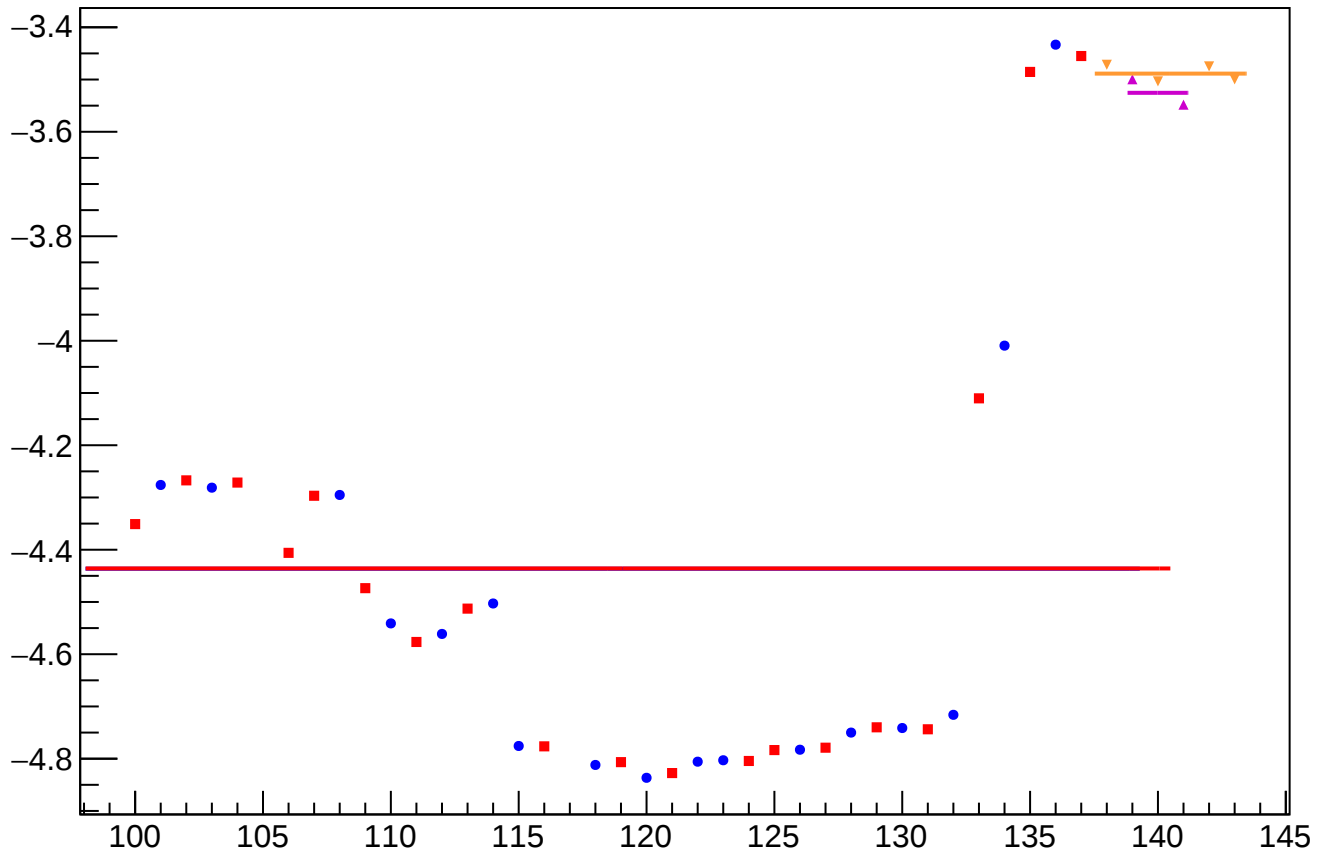
Left In: 0.002+/-0.000 χ^2/NDF : 102.5/1

+ sign 0.002+/-0.000 χ^2/NDF : 55671.6/20

All: 0.002+/-0.000 χ^2/NDF : 151697.3/41

- sign 0.002+/-0.000 χ^2/NDF : 95014.7/20

yield_bpm2i01Y_mean vs Slug



Right In: -4.436+/-0.000 χ^2/NDF : 392479534987.2/16

Left Out: -3.489+/-0.000 χ^2/NDF : 161312676.4/3

Right Out: -4.436+/-0.000 χ^2/NDF : 324942318404.0/18

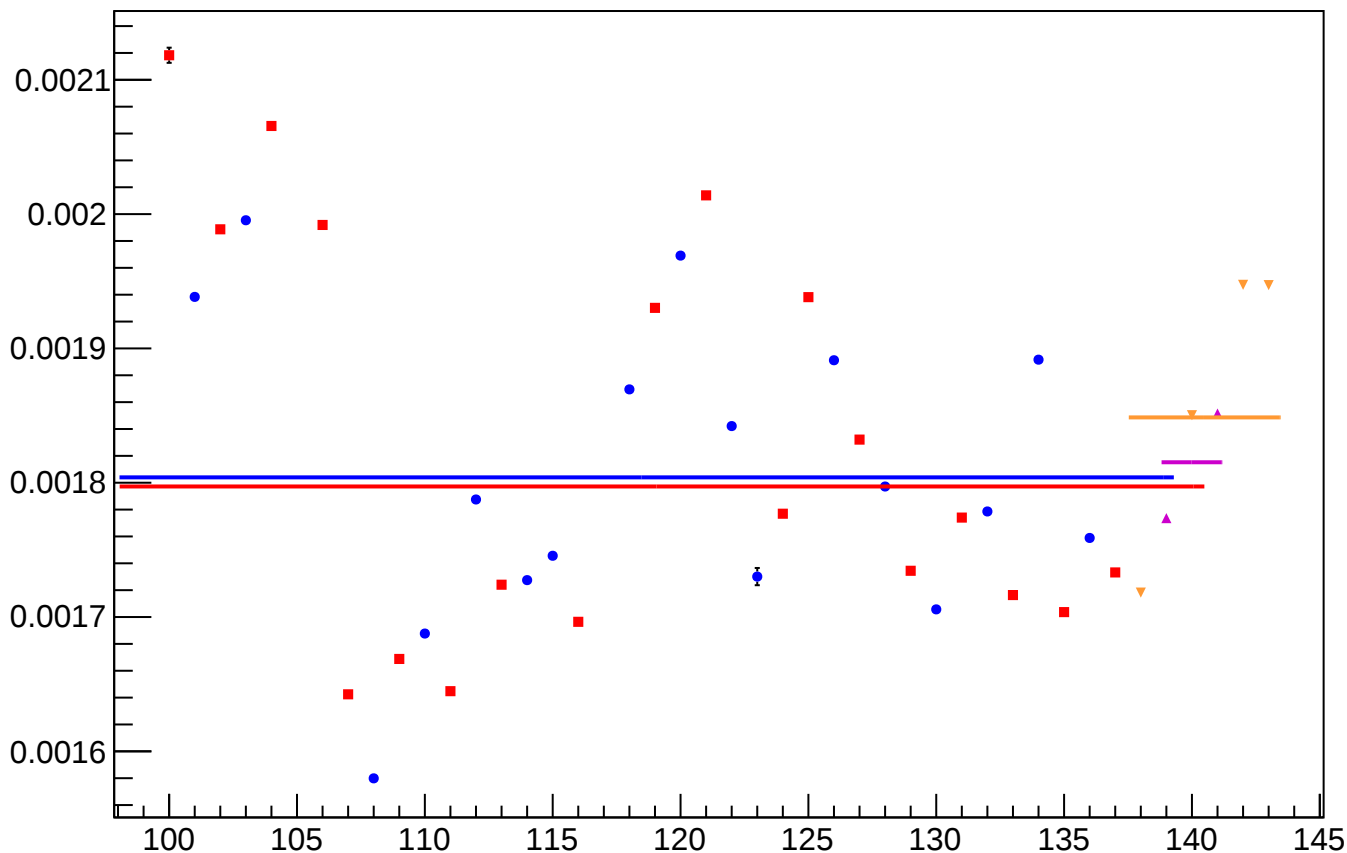
Left In: -3.525+/-0.000 χ^2/NDF : 267491662.8/1

+ sign -4.174+/-0.000 χ^2/NDF : 888460313892.0/20

All: -4.223+/-0.000 χ^2/NDF : 1537532007321

- sign -4.275+/-0.000 χ^2/NDF : 635357107070.2/20

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 48060.2/16

Left Out: 0.002+/-0.000 χ^2/NDF :13885.5/3

Right Out: 0.002+/-0.000 χ^2/NDF : 80681.9/18

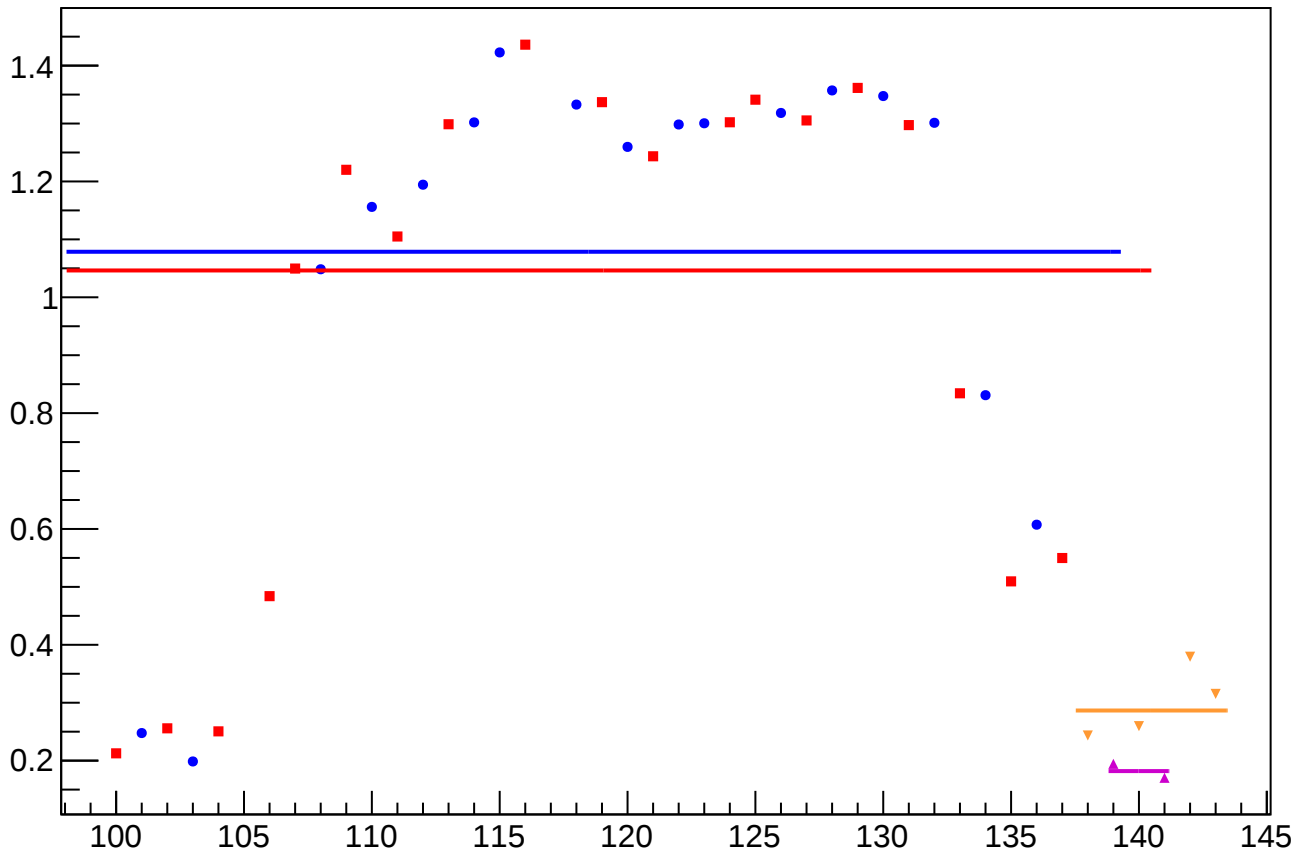
Left In: 0.002+/-0.000 χ^2/NDF :1371.4/1

+ sign 0.002+/-0.000 χ^2/NDF : 64145.6/20

All: 0.002+/-0.000 χ^2/NDF : 147121.5/41

- sign 0.002+/-0.000 χ^2/NDF : 82296.4/20

yield_bpm2i02X_mean vs Slug



Right In: 1.079 ± 0.000 $\chi^2/\text{NDF}: 17504335724.9/16$

Left Out: 0.287 ± 0.000 $\chi^2/\text{NDF}: 60752509.7/3$

Right Out: 1.046 ± 0.000 $\chi^2/\text{NDF}: 19655971884.7/18$

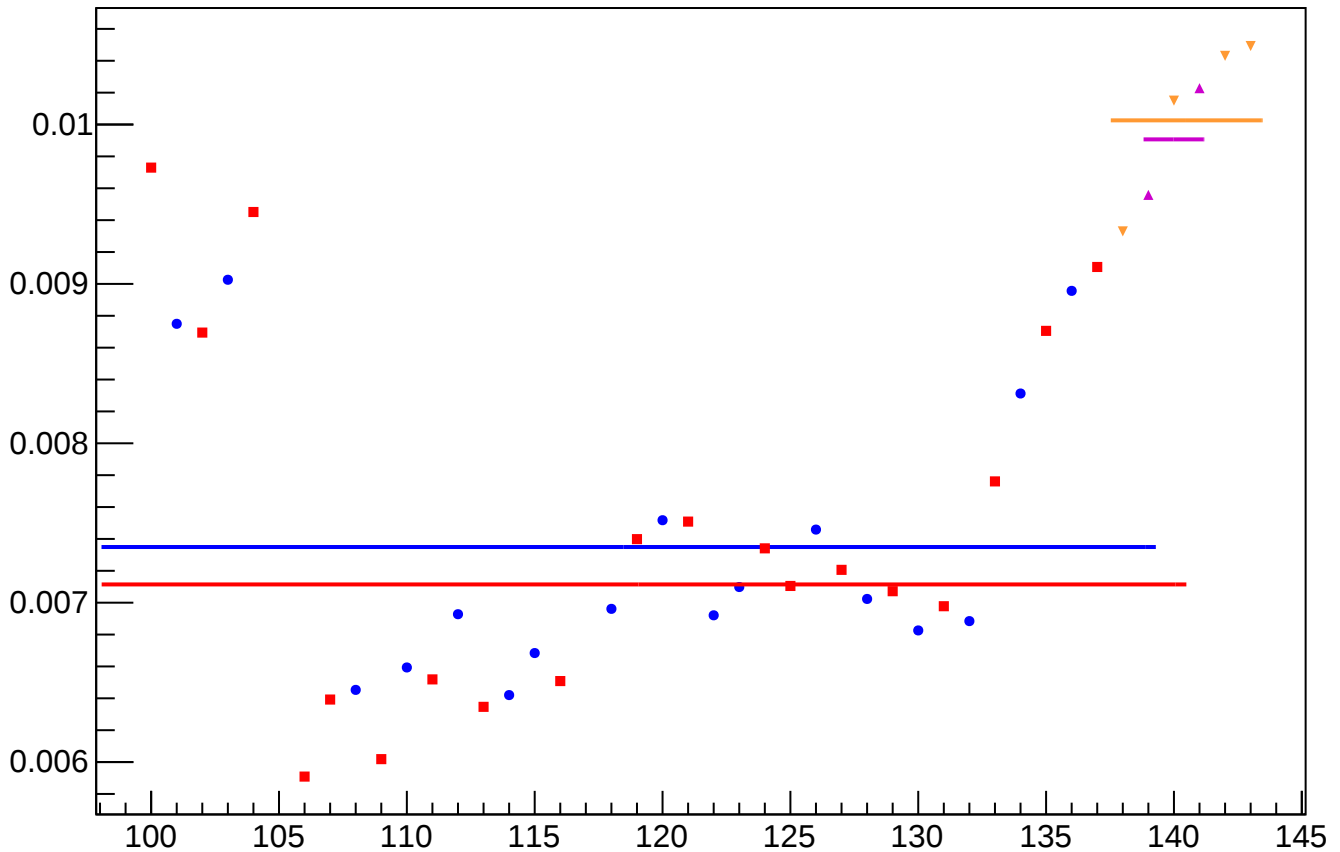
Left In: 0.182 ± 0.000 $\chi^2/\text{NDF}: 2244368.1/1$

+ sign 0.936 ± 0.000 $\chi^2/\text{NDF}: 31381780704.6/20$

All: 0.947 ± 0.000 $\chi^2/\text{NDF}: 61468352619.6/4$

- sign 0.959 ± 0.000 $\chi^2/\text{NDF}: 30045472806.6/20$

yield_bpm2i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 180865.9/16

Left Out: 0.010+/-0.000 χ^2/NDF : 12622.8/3

Right Out: 0.007+/-0.000 χ^2/NDF : 259361.2/18

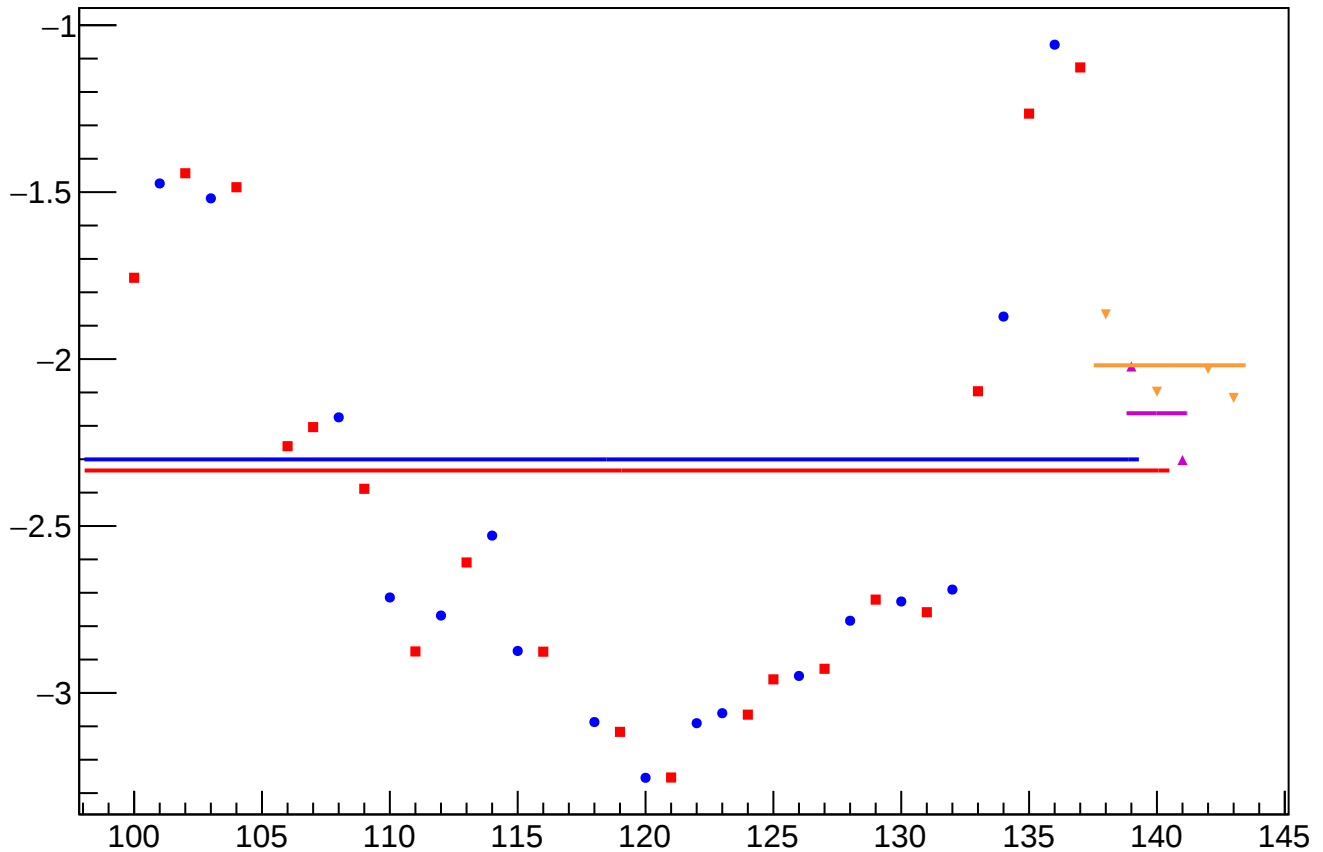
Left In: 0.010+/-0.000 χ^2/NDF : 3459.2/1

+ sign 0.008+/-0.000 χ^2/NDF : 509118.1/20

All: 0.008+/-0.000 χ^2/NDF : 1017384.0/41

- sign 0.007+/-0.000 χ^2/NDF : 479617.7/20

yield_bpm2i02Y_mean vs Slug



Right In: -2.300+/-0.000 χ^2/NDF : 73601400403.2/16

Left Out: -2.019+/-0.000 χ^2/NDF : 383334293.9/3

+ sign -2.248+/-0.000 χ^2/NDF : 76113795355.2/20

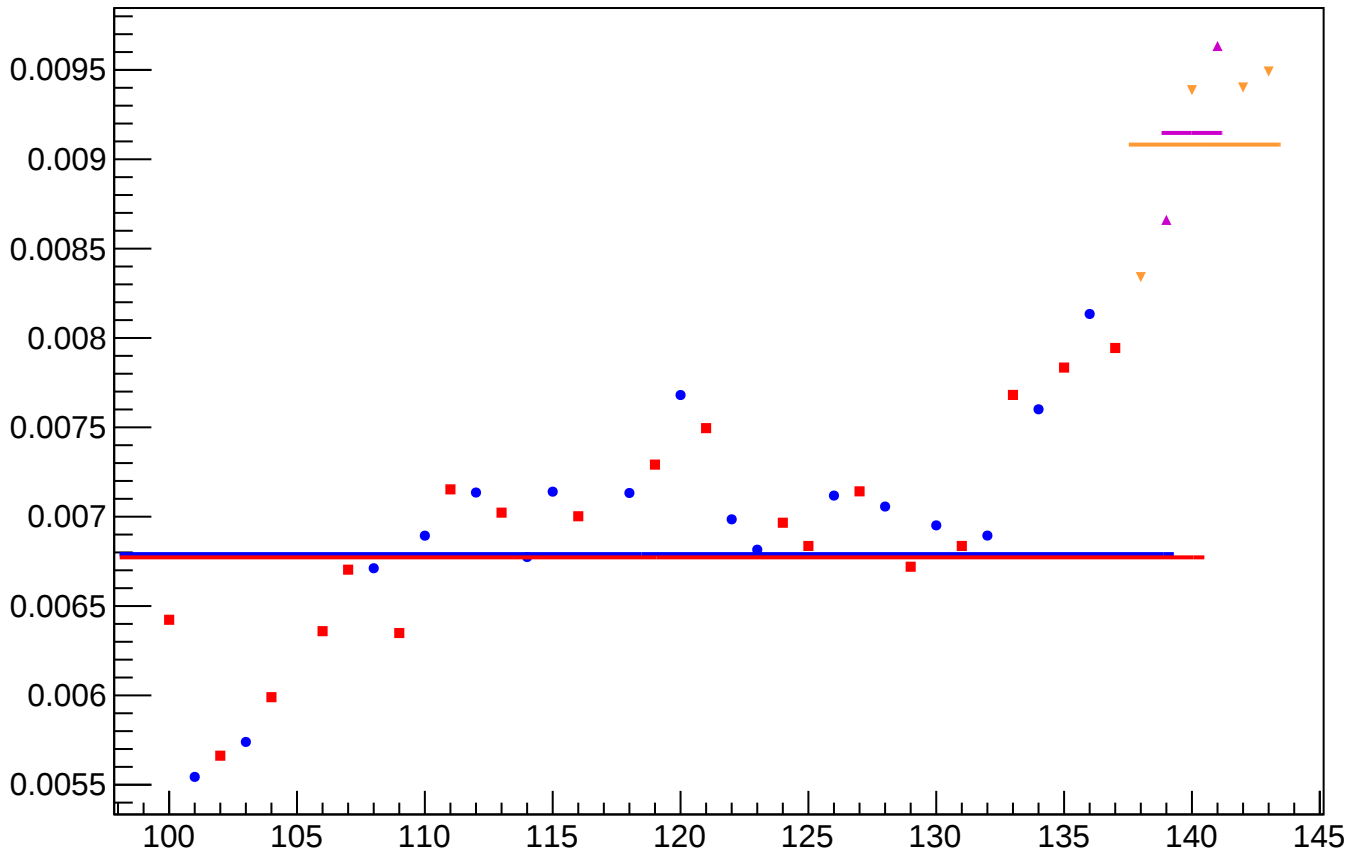
Right Out: -2.334+/-0.000 χ^2/NDF : 64343197509.4/18

All: -2.281+/-0.000 χ^2/NDF : 141688467675.2

- sign -2.316+/-0.000 χ^2/NDF : 65175310407.9/20

Left In: -2.162+/-0.000 χ^2/NDF : 355521075.9/1

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 165798.3/16

Left Out: 0.009+/-0.000 χ^2/NDF :17098.0/3

Right Out: 0.007+/-0.000 χ^2/NDF : 123254.7/18

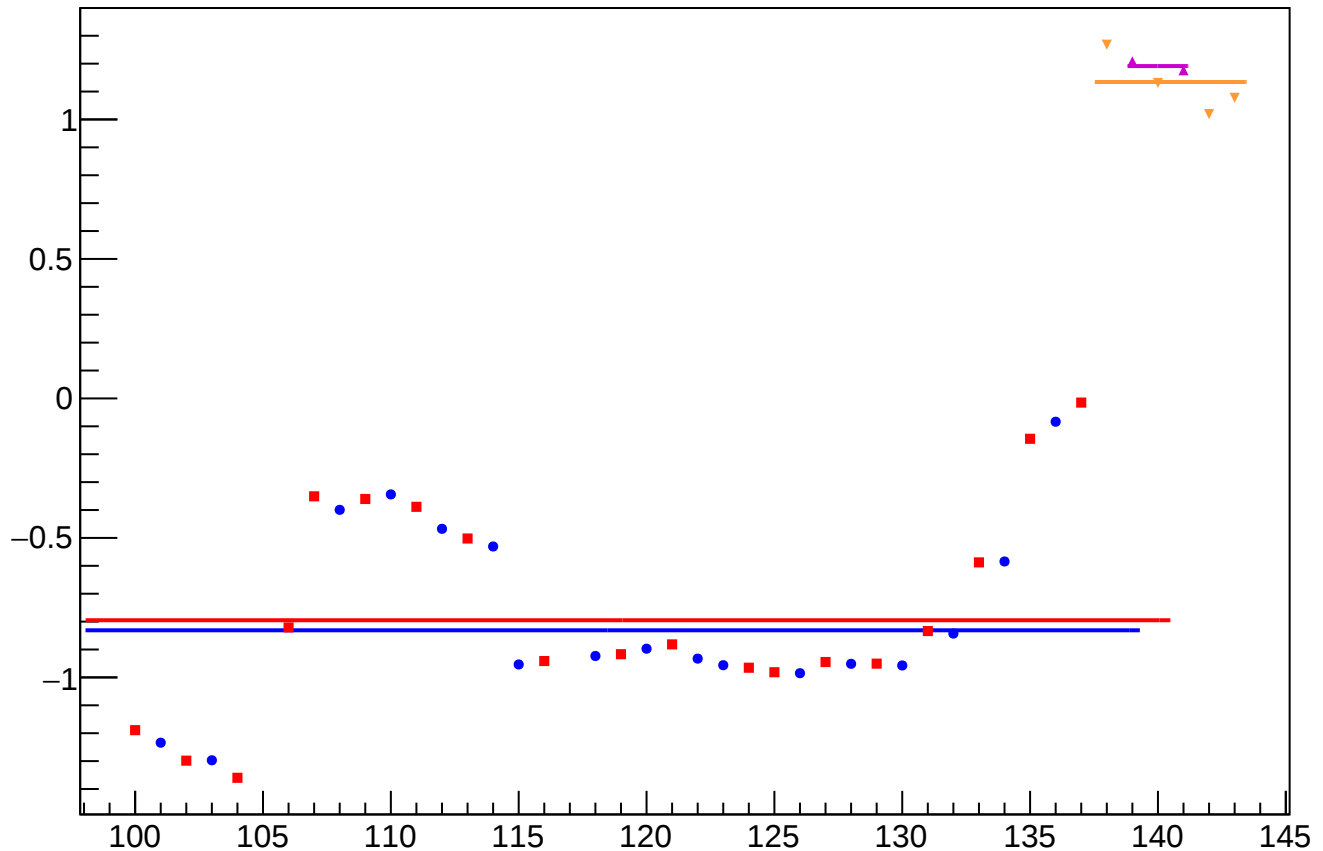
Left In: 0.009+/-0.000 χ^2/NDF :8580.1/1

+ sign 0.007+/-0.000 χ^2/NDF : 464348.4/20

All: 0.007+/-0.000 χ^2/NDF : 785693.5/41

- sign 0.007+/-0.000 χ^2/NDF : 314711.9/20

yield_bpm0i01X_mean vs Slug



Right In: -0.831 ± 0.000 $\chi^2/\text{NDF}: 6684927415.2/16$

Left Out: 1.134 ± 0.000 $\chi^2/\text{NDF}: 139994777.0/3$

Right Out: -0.795 ± 0.000 $\chi^2/\text{NDF}: 7817248130.7/18$

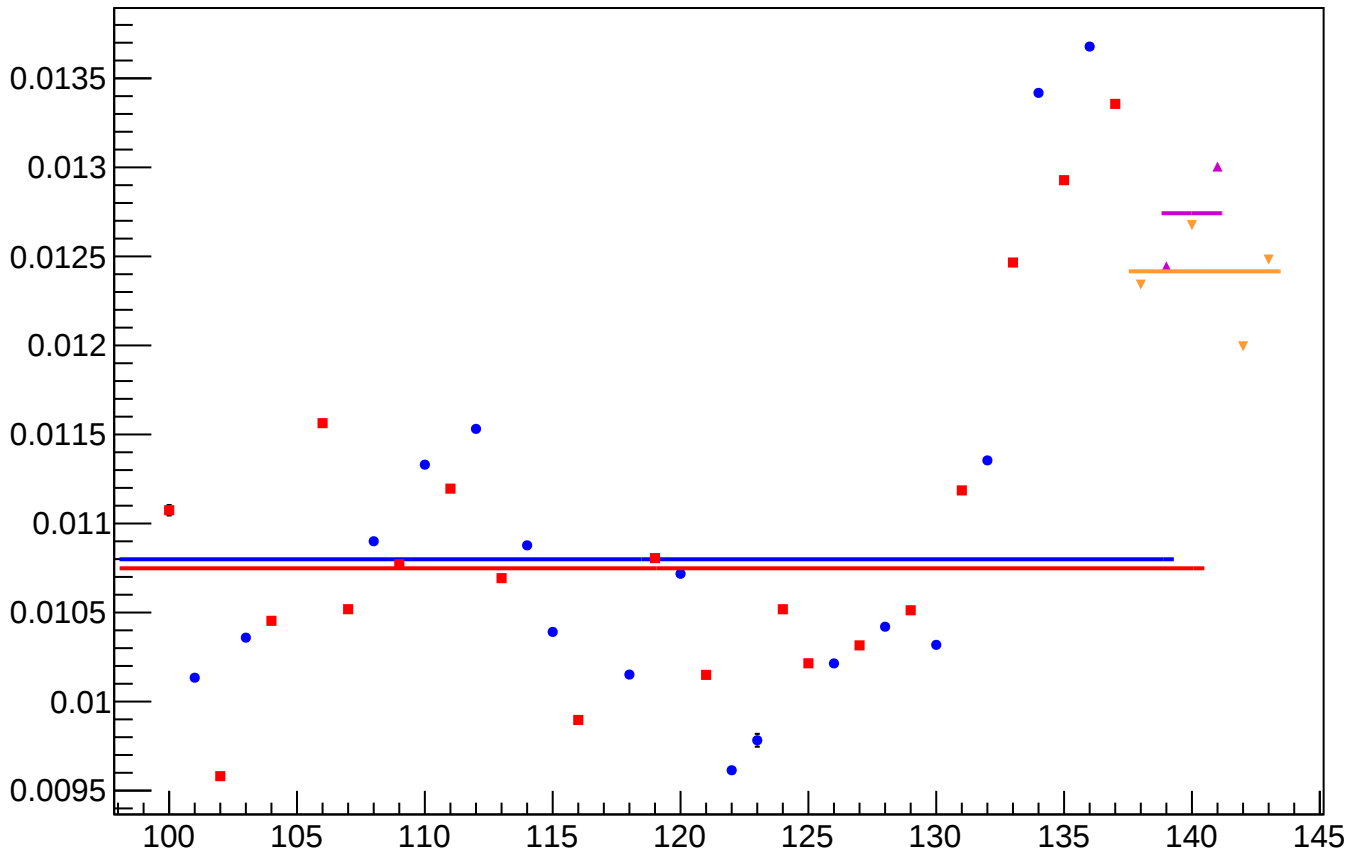
Left In: 1.191 ± 0.000 $\chi^2/\text{NDF}: 2405693.8/1$

+ sign -0.364 ± 0.000 $\chi^2/\text{NDF}: 58425446663.6/20$

All: -0.442 ± 0.000 $\chi^2/\text{NDF}: 99033294392.7/1$

- sign -0.526 ± 0.000 $\chi^2/\text{NDF}: 39673295280.7/20$

yield_bpm0i01X_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 124812.3/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:1802.3/3

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 89612.1/18

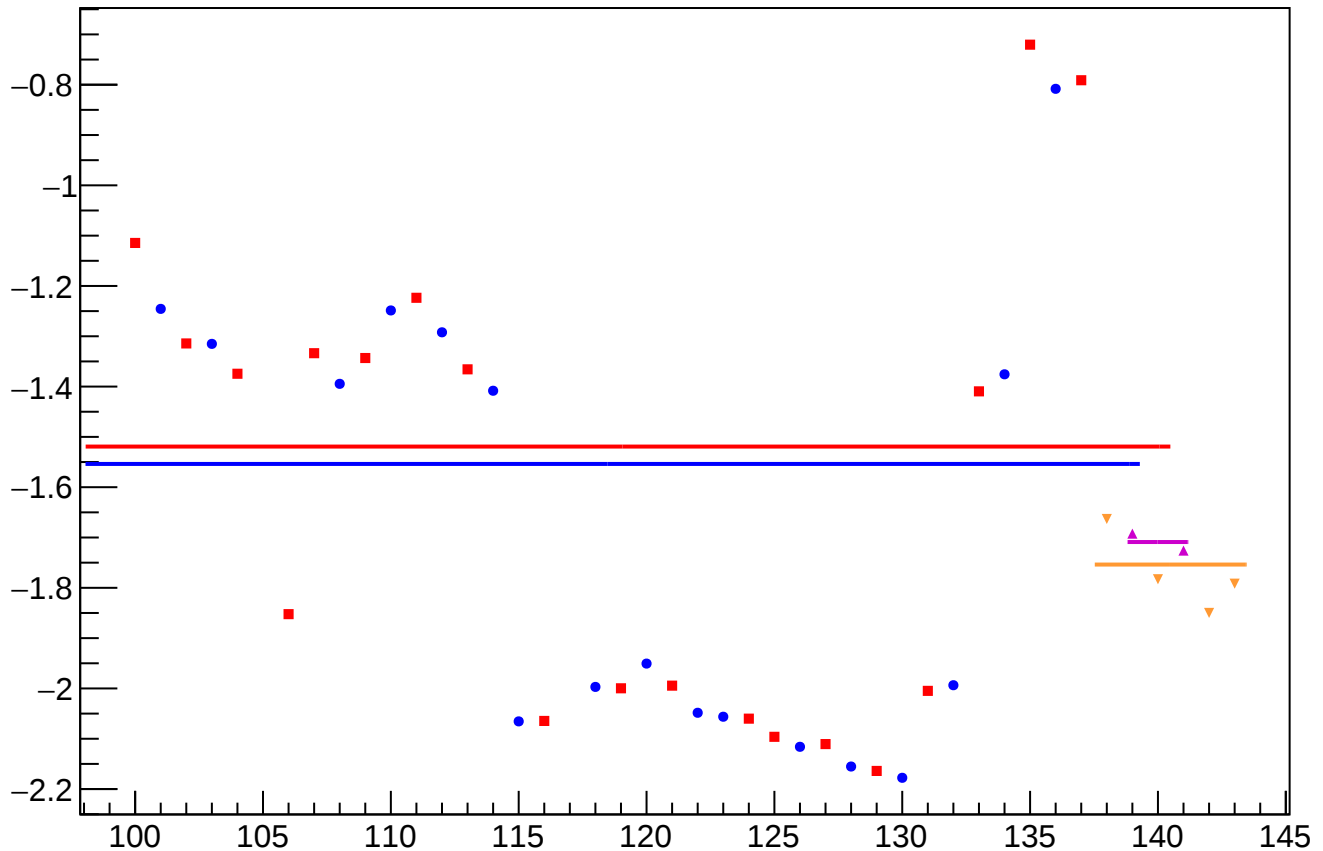
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:1461.0/1

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 196479.9/20

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 353683.9/41

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 155268.4/20

yield_bpm0i01Y_mean vs Slug



Right In: -1.554+/-0.000 χ^2/NDF : 153751208532.9/16

Left Out: -1.754+/-0.000 χ^2/NDF : 1413404398.7/3

+ sign -1.607+/-0.000 χ^2/NDF : 164242353809.5/20

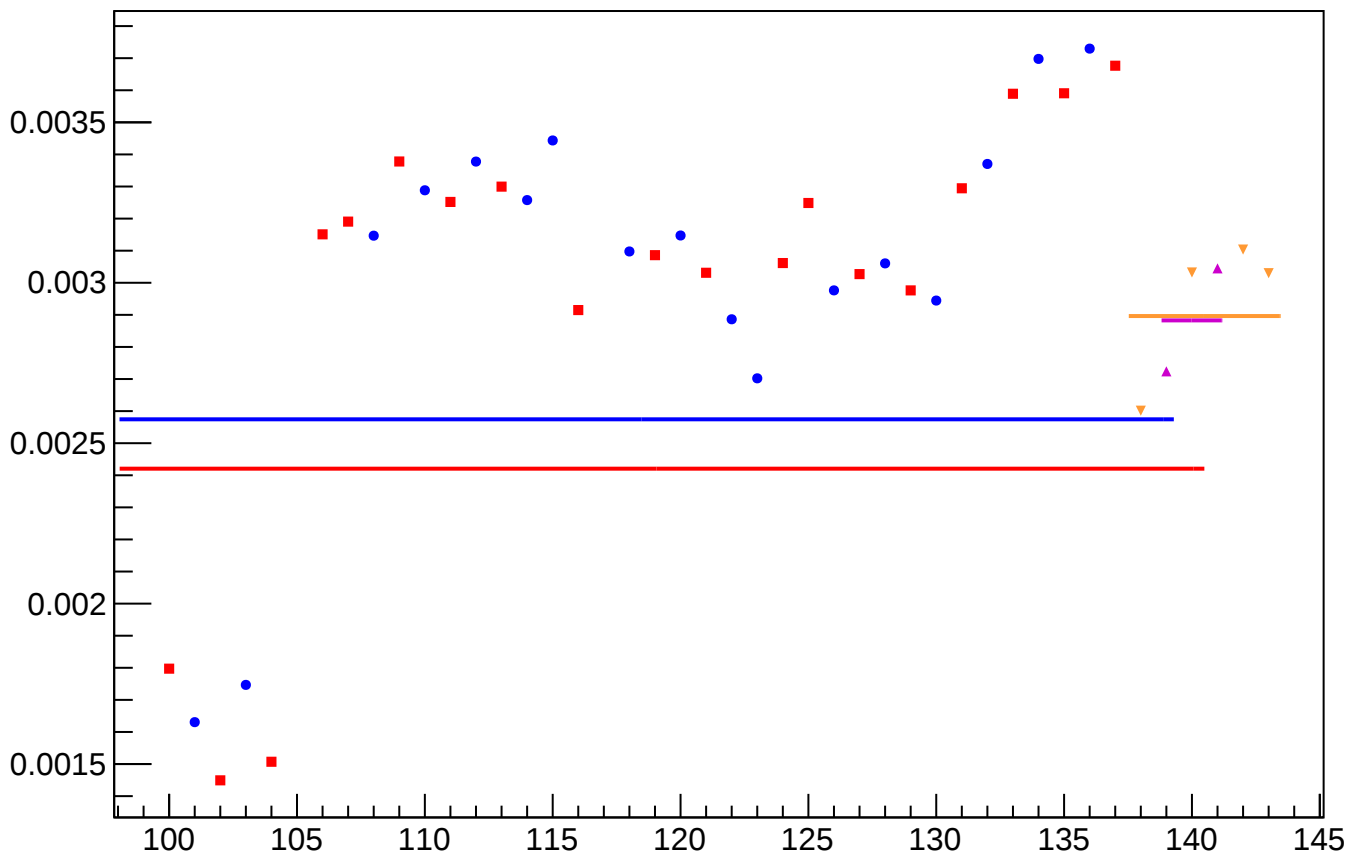
Right Out: -1.519+/-0.000 χ^2/NDF : 138061021403.9/18

All: -1.578+/-0.000 χ^2/NDF : 309657883870.3

- sign -1.548+/-0.000 χ^2/NDF : 143419637119.5/20

Left In: -1.709+/-0.000 χ^2/NDF : 49450352.9/1

yield_bpm0i01Y_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 1013543.2/16

Left Out: 0.003 $\pm$ 0.000 χ^2 /NDF:27541.5/3

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 1484766.5/18

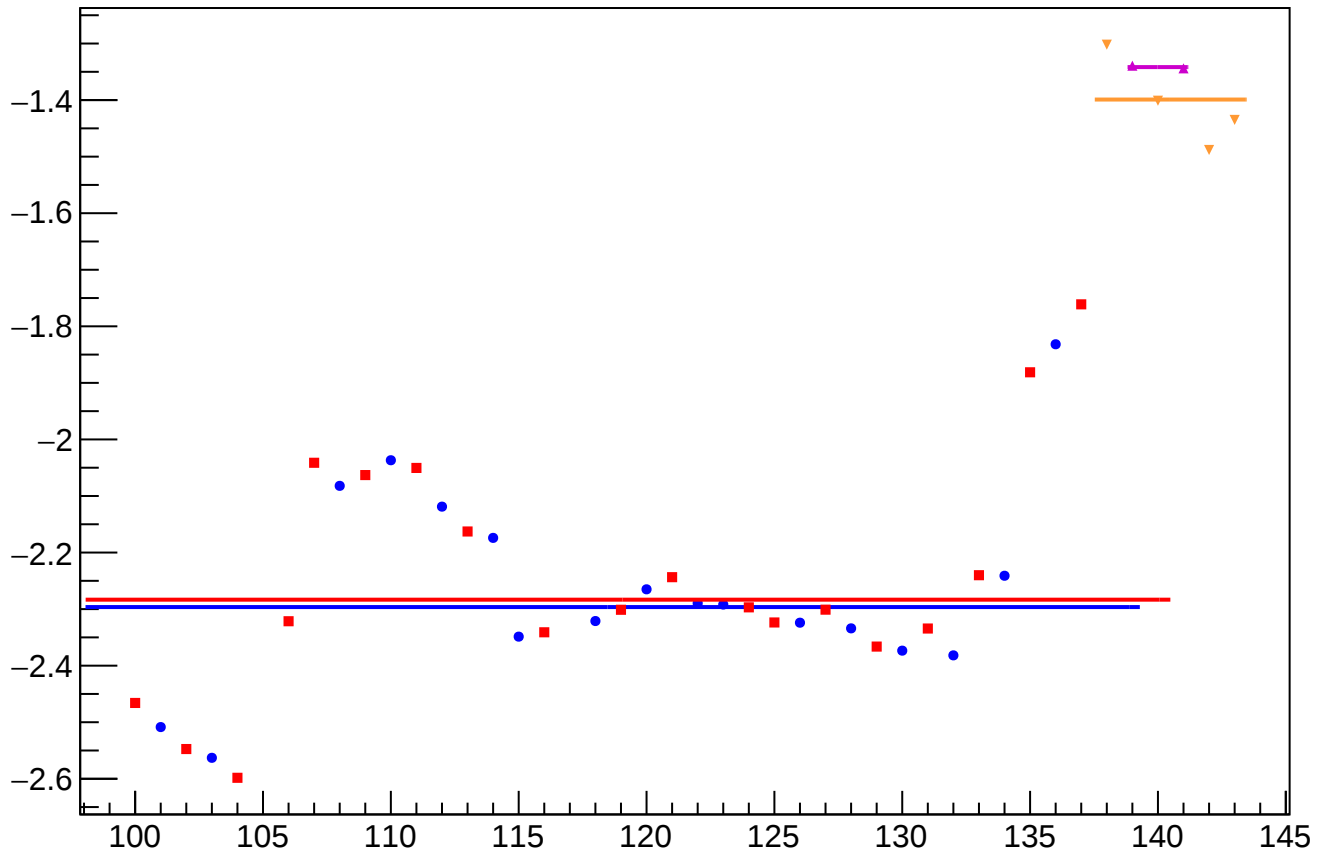
Left In: 0.003 $\pm$ 0.000 χ^2 /NDF:8965.7/1

+ sign 0.003 $\pm$ 0.000 χ^2 /NDF: 1088106.9/20

All: 0.003 $\pm$ 0.000 χ^2 /NDF: 2677716.2/41

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 1556732.7/20

yield_bpm0i01aX_mean vs Slug



Right In: -2.296+/-0.000 χ^2 /NDF: 5781445779.2/16

Left Out: -1.399+/-0.000 χ^2 /NDF: 154862166.4/3

Right Out: -2.283+/-0.000 χ^2 /NDF: 6547805693.1/18

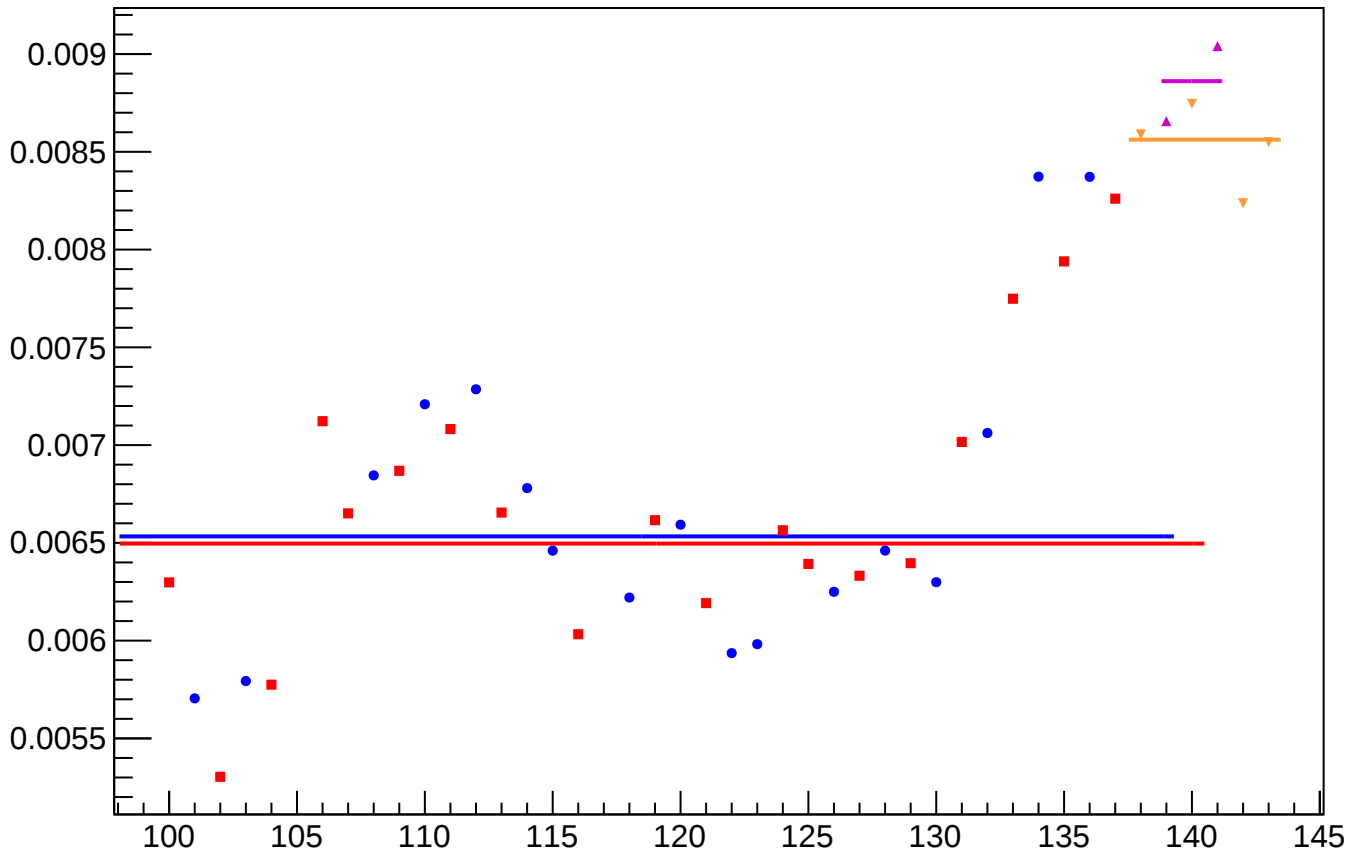
Left In: -1.342+/-0.000 χ^2 /NDF: 105641.6/1

+ sign -2.121+/-0.000 χ^2 /NDF: 29727262023.6/20

All: -2.151+/-0.000 χ^2 /NDF: 51858101101.3/20

- sign -2.182+/-0.000 χ^2 /NDF: 21782739439.1/20

yield_bpm0i01aX_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 175590.1/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:2019.4/3

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 163206.3/18

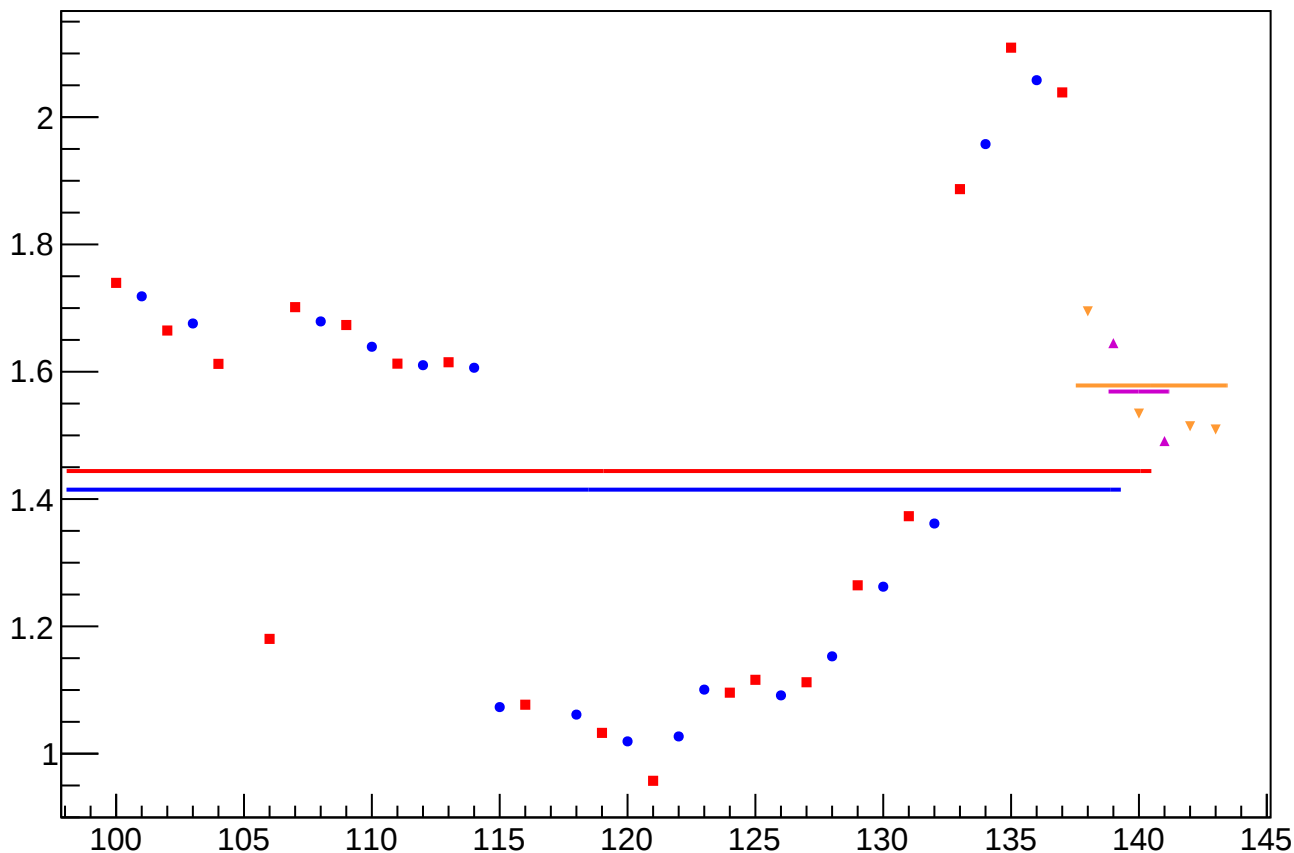
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1414.2/1

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 420935.2/20

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 783725.7/41

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 356825.1/20

yield_bpm0i01aY_mean vs Slug



Right In: 1.415+/-0.000 χ^2/NDF : 171733730631.9/16

Left Out: 1.578+/-0.000 χ^2/NDF : 783968412.6/3

Right Out: 1.444+/-0.000 χ^2/NDF : 172869416198.6/18

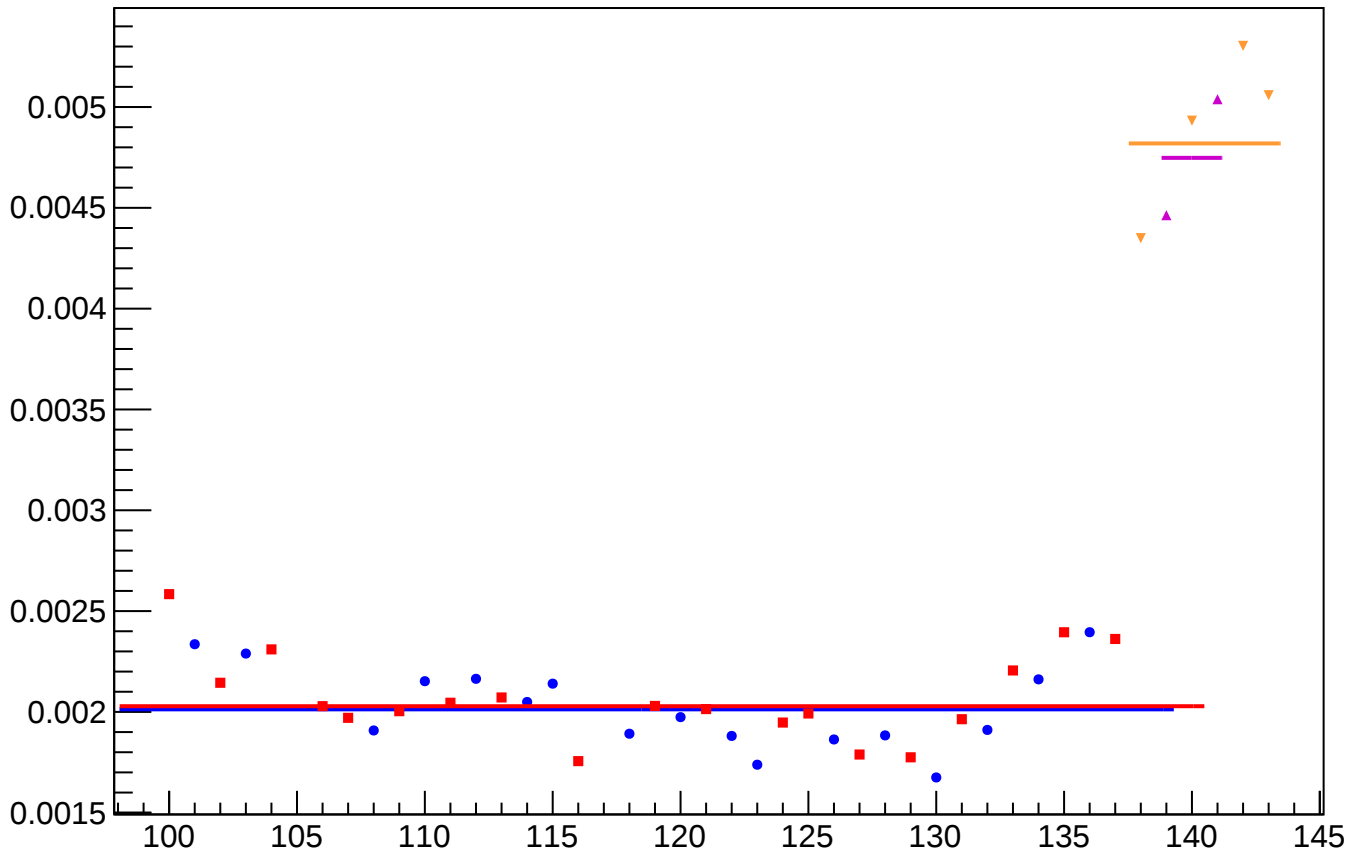
Left In: 1.569+/-0.000 χ^2/NDF : 392480378.0/1

+ sign 1.426+/-0.000 χ^2/NDF : 175385766526.2/20

All: 1.438+/-0.000 χ^2/NDF : 350063798878.2

- sign 1.449+/-0.000 χ^2/NDF : 174255537156.4/20

yield_bpm0i01aY_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 149372.5/16

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:27949.5/3

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 102976.0/18

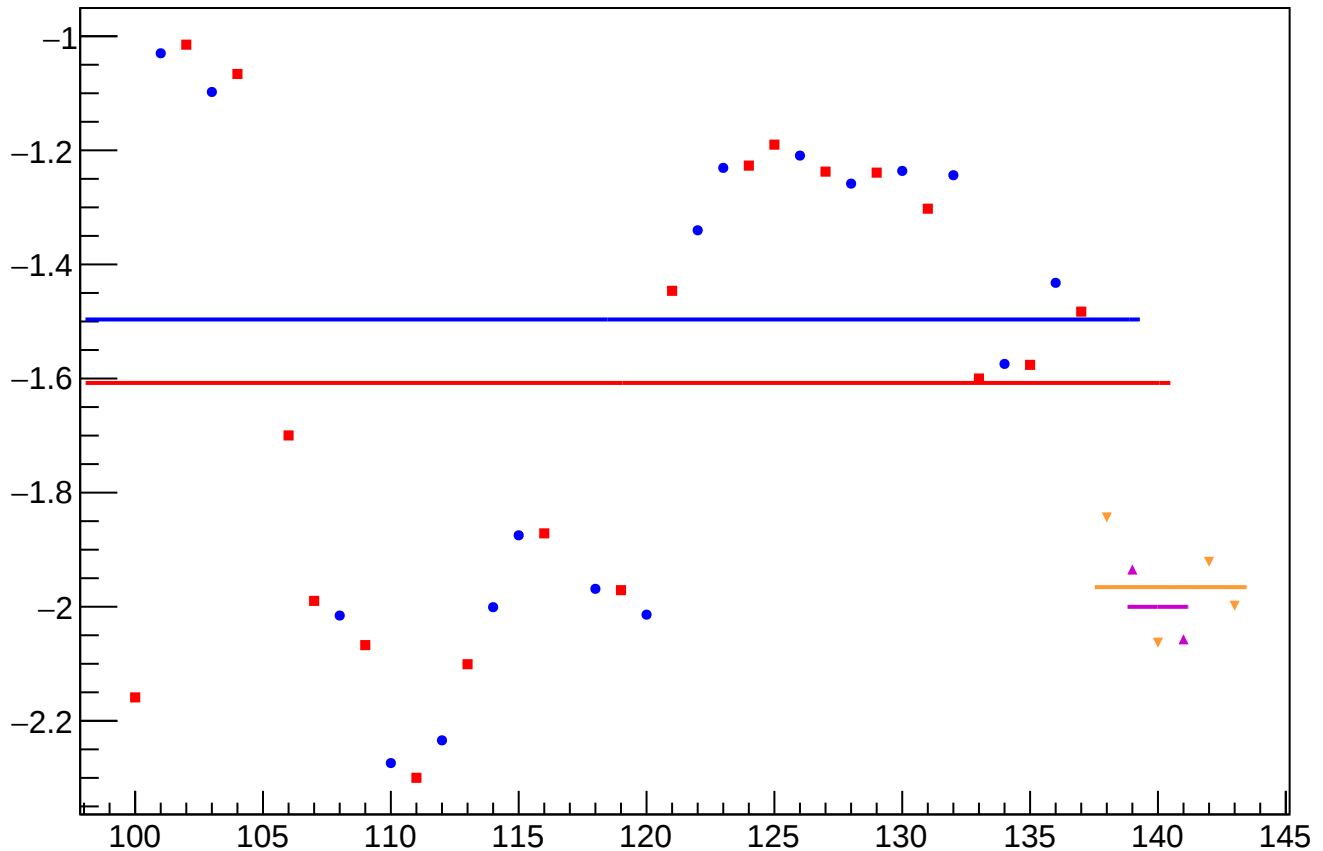
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:10975.8/1

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 1864530.2/20

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 2929080.4/41

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 1055972.4/20

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22480434073.3/16

Left Out: -1.966+/-0.000 χ^2/NDF : 652982505.3/3

+ sign -1.680+/-0.000 χ^2/NDF : 35046959406.3/20

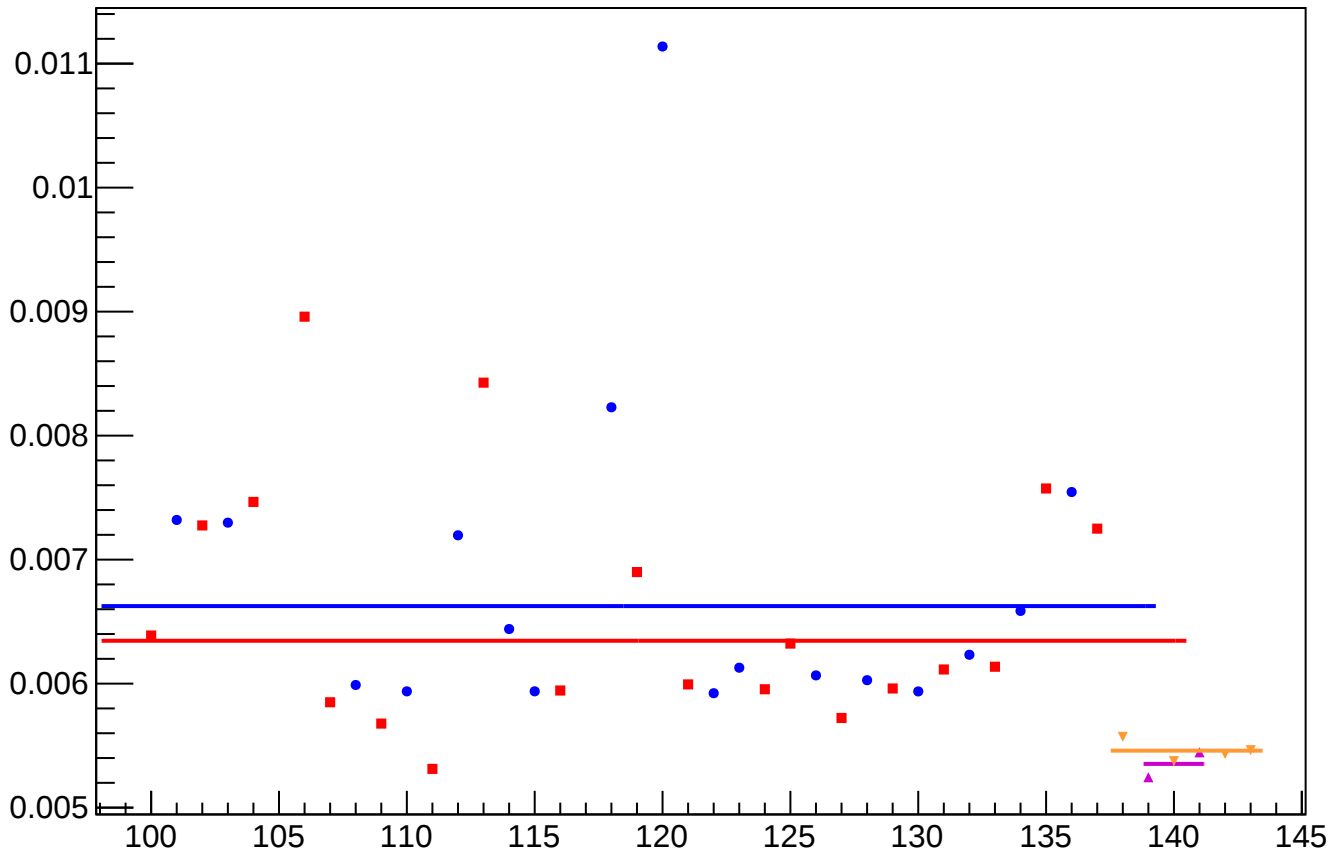
Right Out: -1.608+/-0.000 χ^2/NDF : 27825836681.8/18

All: -1.691+/-0.000 χ^2/NDF : 69183539939.3/16

- sign -1.702+/-0.000 χ^2/NDF : 34082265952.4/20

Left In: -2.000+/-0.000 χ^2/NDF : 193171996.7/1

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 231716.4/16

Left Out: 0.005+/-0.000 χ^2/NDF : 975.7/3

Right Out: 0.006+/-0.000 χ^2/NDF : 228829.0/18

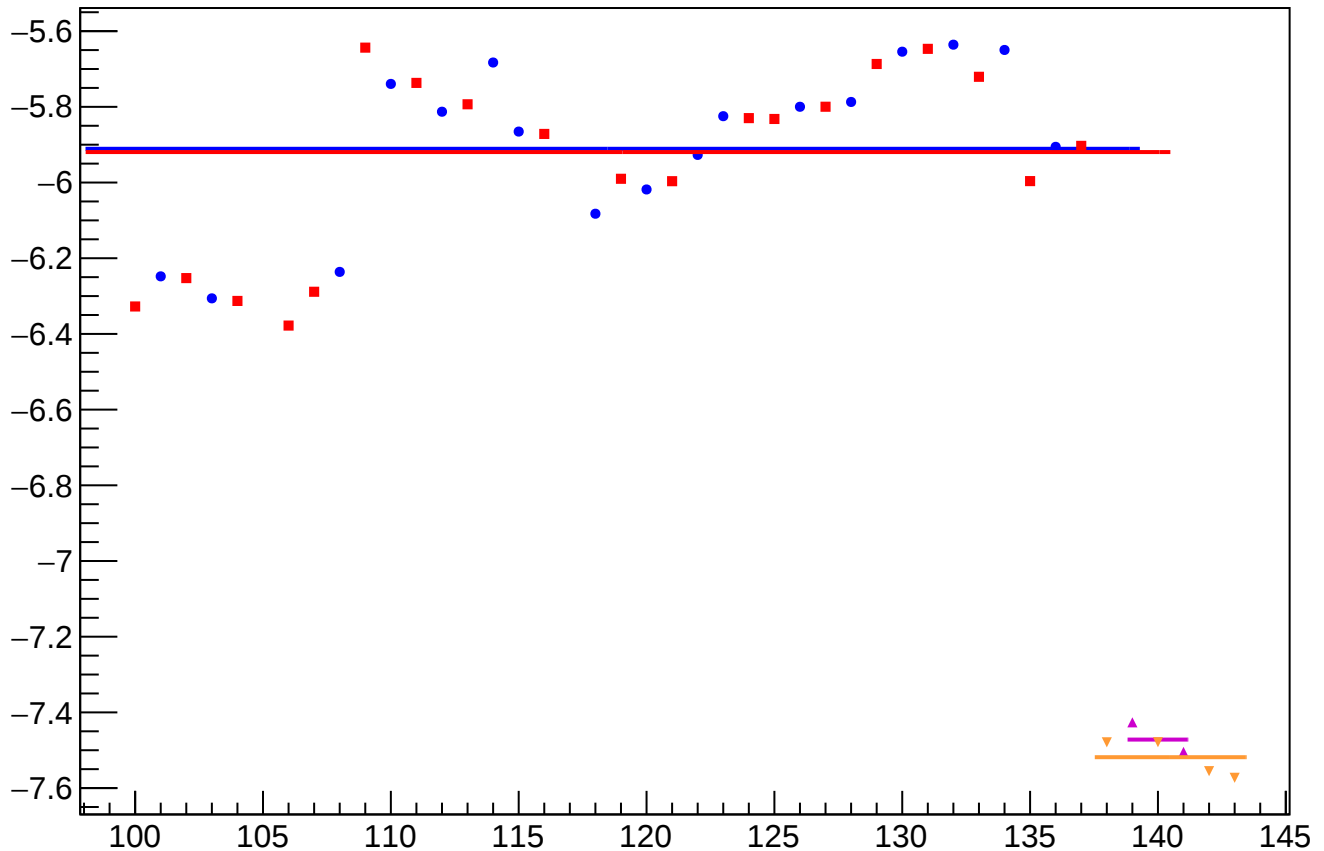
Left In: 0.005+/-0.000 χ^2/NDF : 1044.2/1

+ sign 0.006+/-0.000 χ^2/NDF : 379829.7/20

All: 0.006+/-0.000 χ^2/NDF : 688214.1/41

- sign 0.006+/-0.000 χ^2/NDF : 307519.8/20

yield_bpm0l01Y_mean vs Slug



Right In: -5.911 $\pm$ 0.000 χ^2 /NDF: 11134606775.1/16

Left Out: -7.518 $\pm$ 0.000 χ^2 /NDF: 62264109.4/3

Right Out: -5.919 $\pm$ 0.000 χ^2 /NDF: 12817250659.6/18

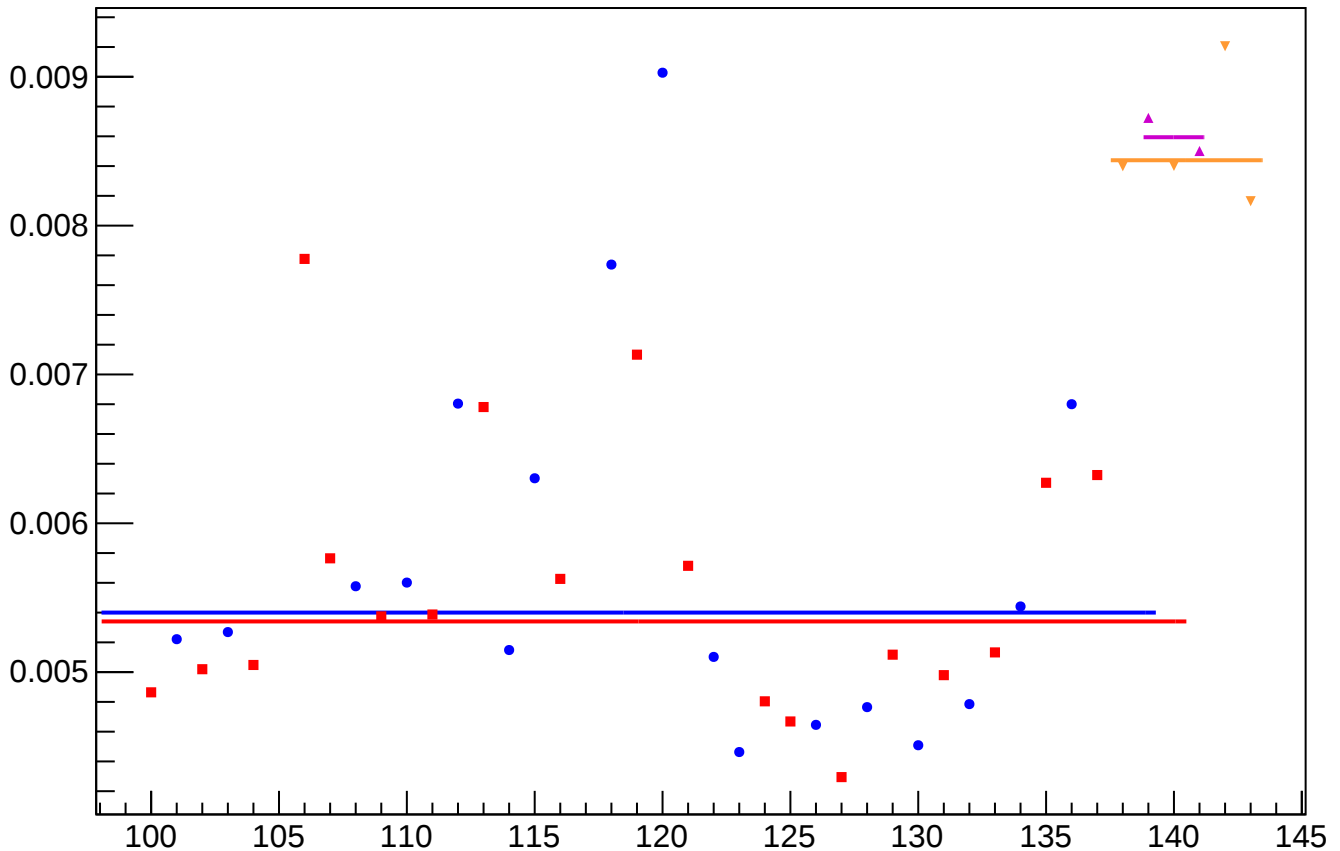
Left In: -7.472 $\pm$ 0.000 χ^2 /NDF: 26001413.7/1

+ sign -6.129 $\pm$ 0.000 χ^2 /NDF: 82032850562.5/20

All: -6.080 $\pm$ 0.000 χ^2 /NDF: 135209983703.8

- sign -6.033 $\pm$ 0.000 χ^2 /NDF: 52083204615.5/20

yield_bpm0l01Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF : 370479.4/16

Left Out: 0.008+/-0.000 χ^2/NDF : 6699.7/3

Right Out: 0.005+/-0.000 χ^2/NDF : 251605.9/18

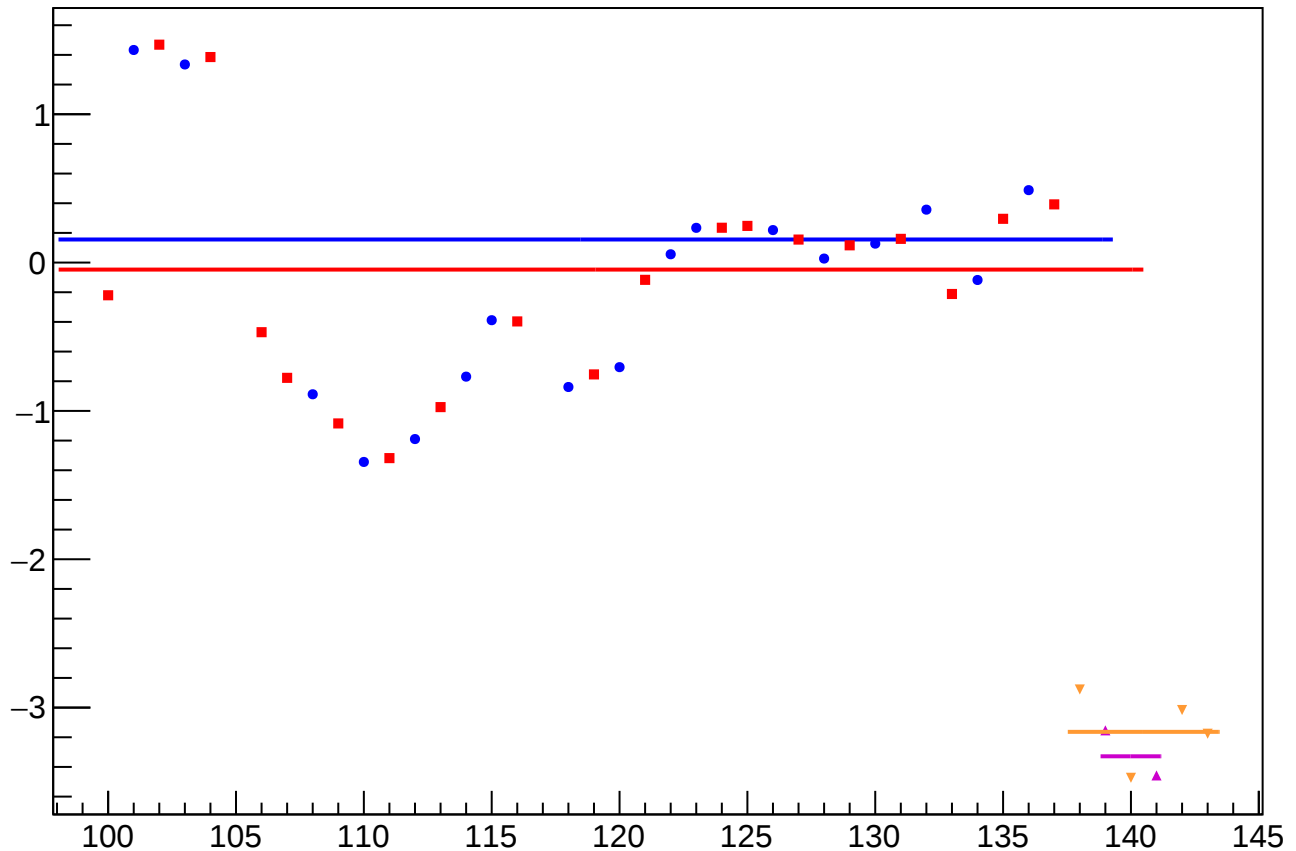
Left In: 0.009+/-0.000 χ^2/NDF : 422.6/1

+ sign 0.006+/-0.000 χ^2/NDF : 883522.2/20

All: 0.006+/-0.000 χ^2/NDF : 1493245.2/41

- sign 0.006+/-0.000 χ^2/NDF : 596719.7/20

yield_bpm0l02X_mean vs Slug



Right In: 0.156+/-0.000 χ^2/NDF : 16968312396.2/16

Left Out: -3.164+/-0.000 χ^2/NDF : 504871425.6/3

Right Out: -0.047+/-0.000 χ^2/NDF : 21207878974.4/18

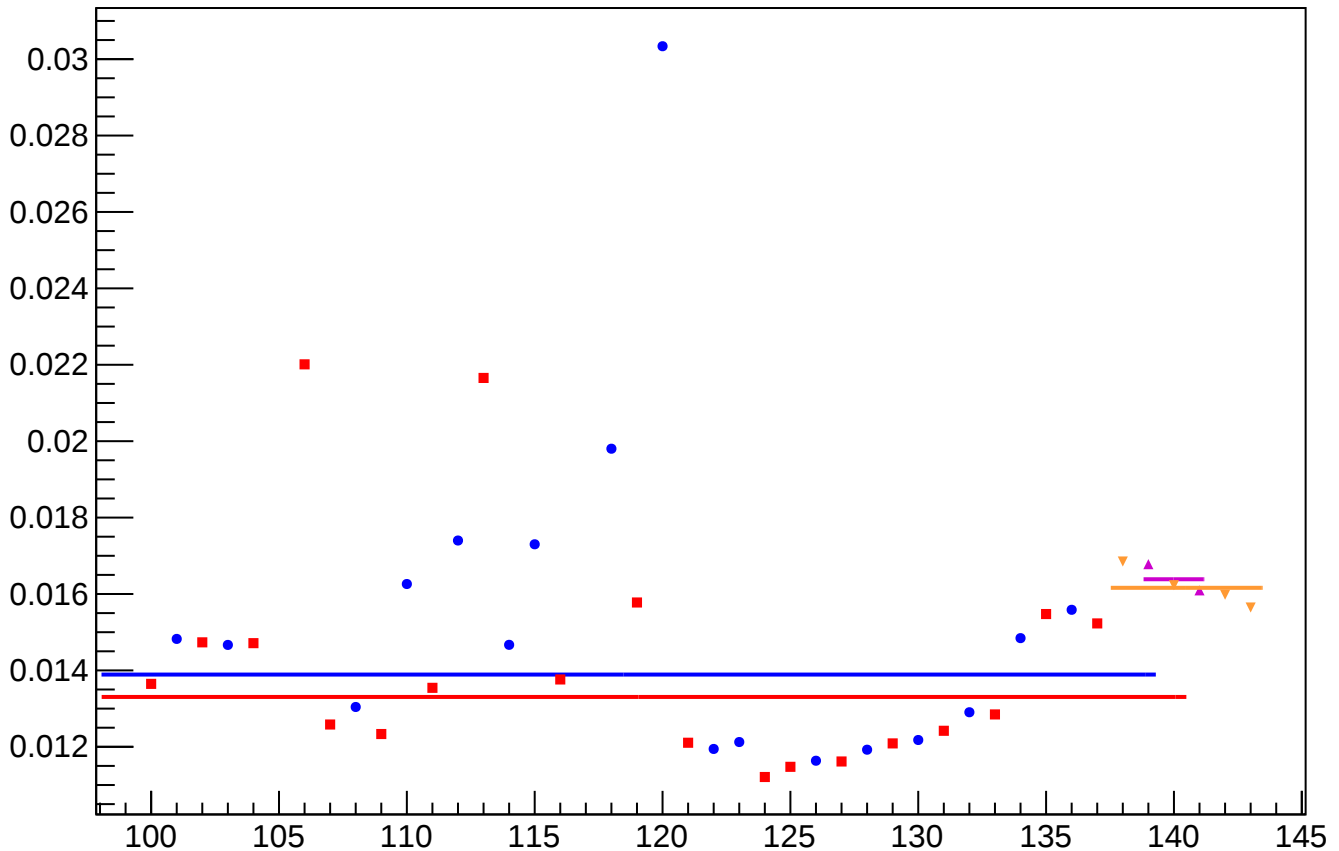
Left In: -3.328+/-0.000 χ^2/NDF : 124374800.1/1

+ sign -0.655+/-0.000 χ^2/NDF : 99734980295.6/20

All: -0.566+/-0.000 χ^2/NDF : 173247544362.6

- sign -0.479+/-0.000 χ^2/NDF : 72875546243.0/20

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 401280.4/16

Left Out: 0.016+/-0.000 χ^2/NDF :4008.3/3

Right Out: 0.013+/-0.000 χ^2/NDF : 293774.0/18

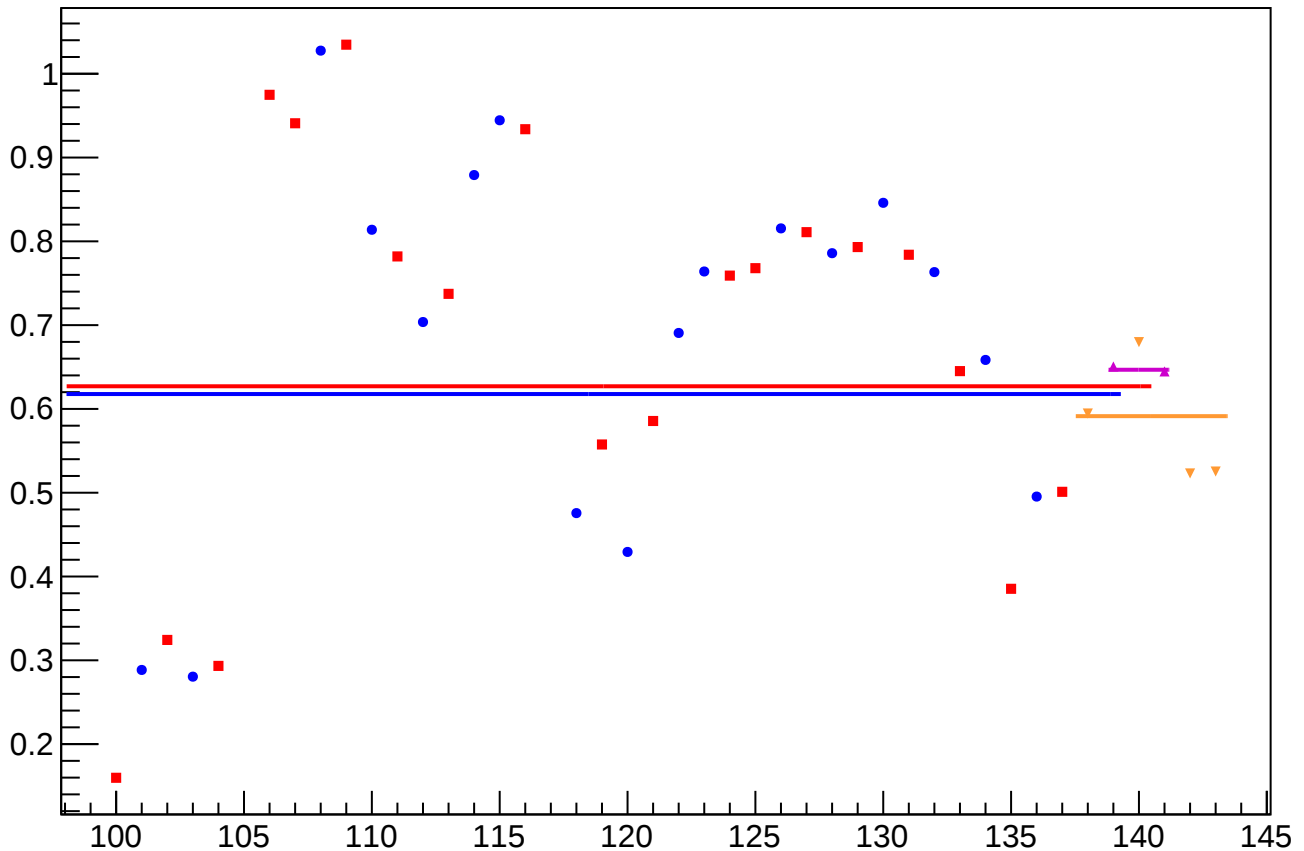
Left In: 0.016+/-0.000 χ^2/NDF :1266.3/1

+ sign 0.014+/-0.000 χ^2/NDF : 482300.4/20

All: 0.014+/-0.000 χ^2/NDF : 890444.1/41

- sign 0.014+/-0.000 χ^2/NDF : 385918.2/20

yield_bpm0l02Y_mean vs Slug



Right In: 0.618 $\pm$ 0.000 χ^2/NDF : 5402179431.9/16

Left Out: 0.591 $\pm$ 0.000 χ^2/NDF : 216342383.9/3

+ sign 0.609 $\pm$ 0.000 χ^2/NDF : 5640787565.5/20

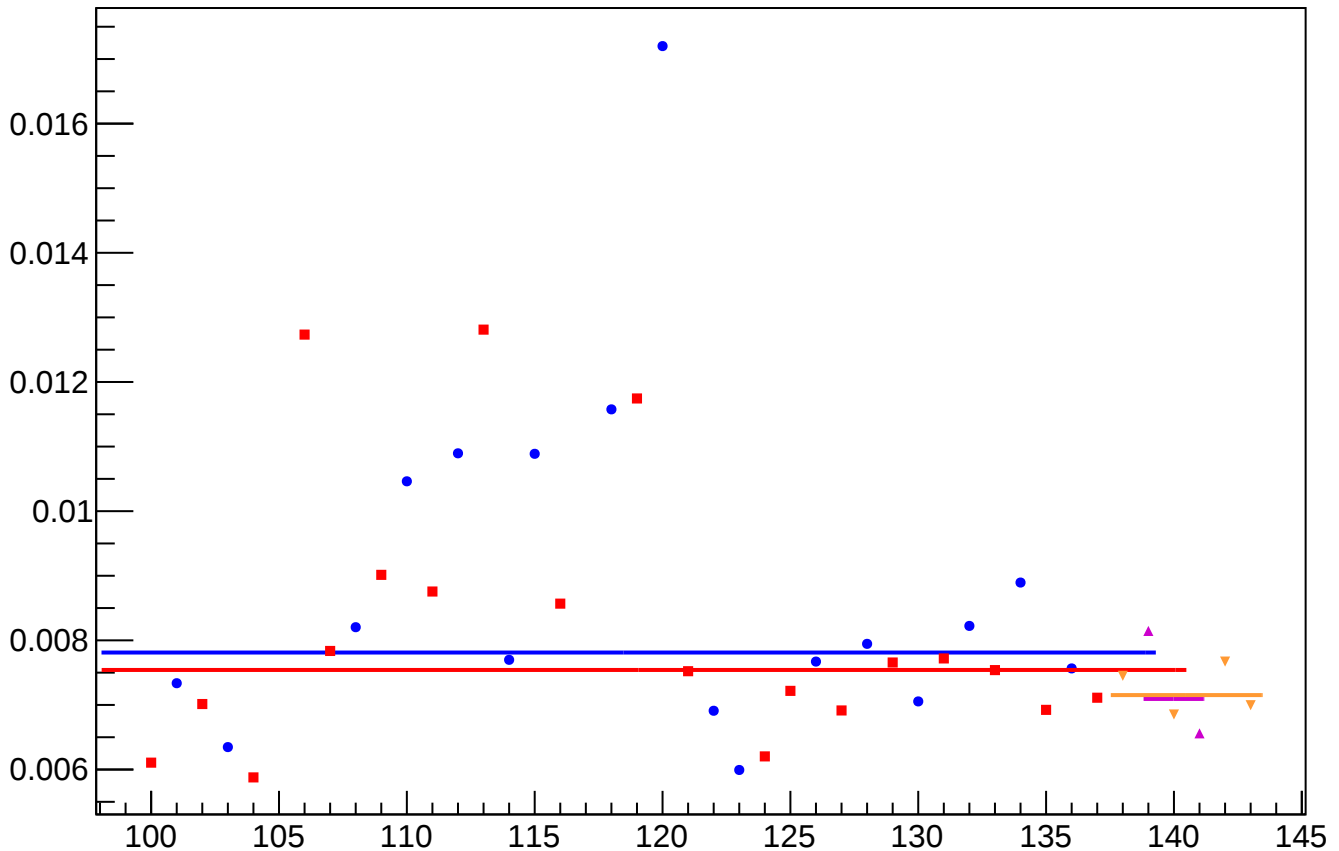
Right Out: 0.627 $\pm$ 0.000 χ^2/NDF : 6335950203.8/18

All: 0.620 $\pm$ 0.000 χ^2/NDF : 12020101792.4/4

- sign 0.631 $\pm$ 0.000 χ^2/NDF : 6344839316.6/20

Left In: 0.647 $\pm$ 0.000 χ^2/NDF : 217659.8/1

yield_bpm0l02Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2/NDF : 467235.0/16

Left Out: 0.007 $\pm$ 0.000 χ^2/NDF : 9213.8/3

Right Out: 0.008 $\pm$ 0.000 χ^2/NDF : 441480.1/18

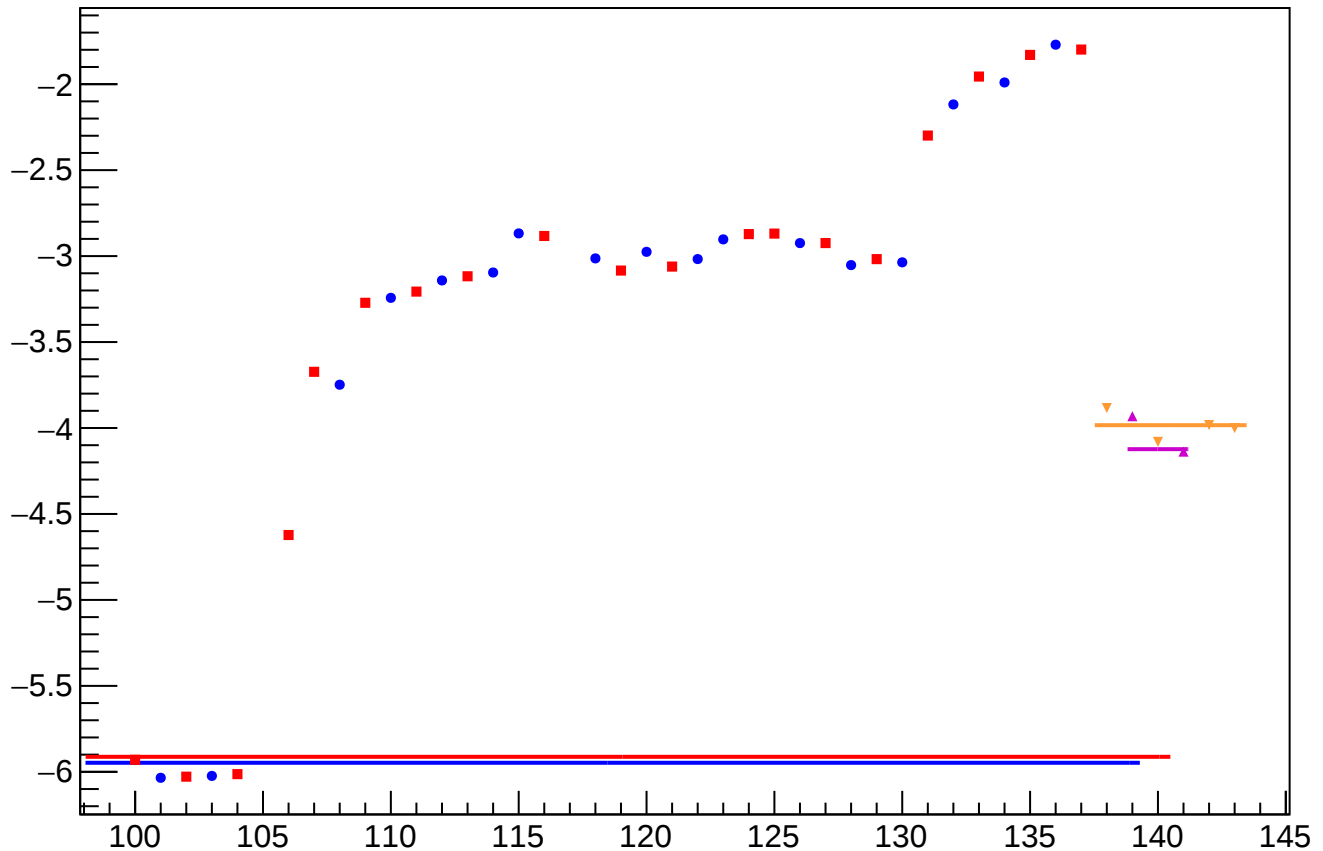
Left In: 0.007 $\pm$ 0.000 χ^2/NDF : 31485.2/1

+ sign 0.008 $\pm$ 0.000 χ^2/NDF : 504209.9/20

All: 0.008 $\pm$ 0.000 χ^2/NDF : 988919.1/41

- sign 0.007 $\pm$ 0.000 χ^2/NDF : 481954.0/20

yield_bpm0l03X_mean vs Slug



Right In: -5.947+/-0.000 χ^2/NDF : 13110506154.0/16

Left Out: -3.984+/-0.000 χ^2/NDF : 1993411.0/3

Right Out: -5.913+/-0.000 χ^2/NDF : 14598904051.6/18

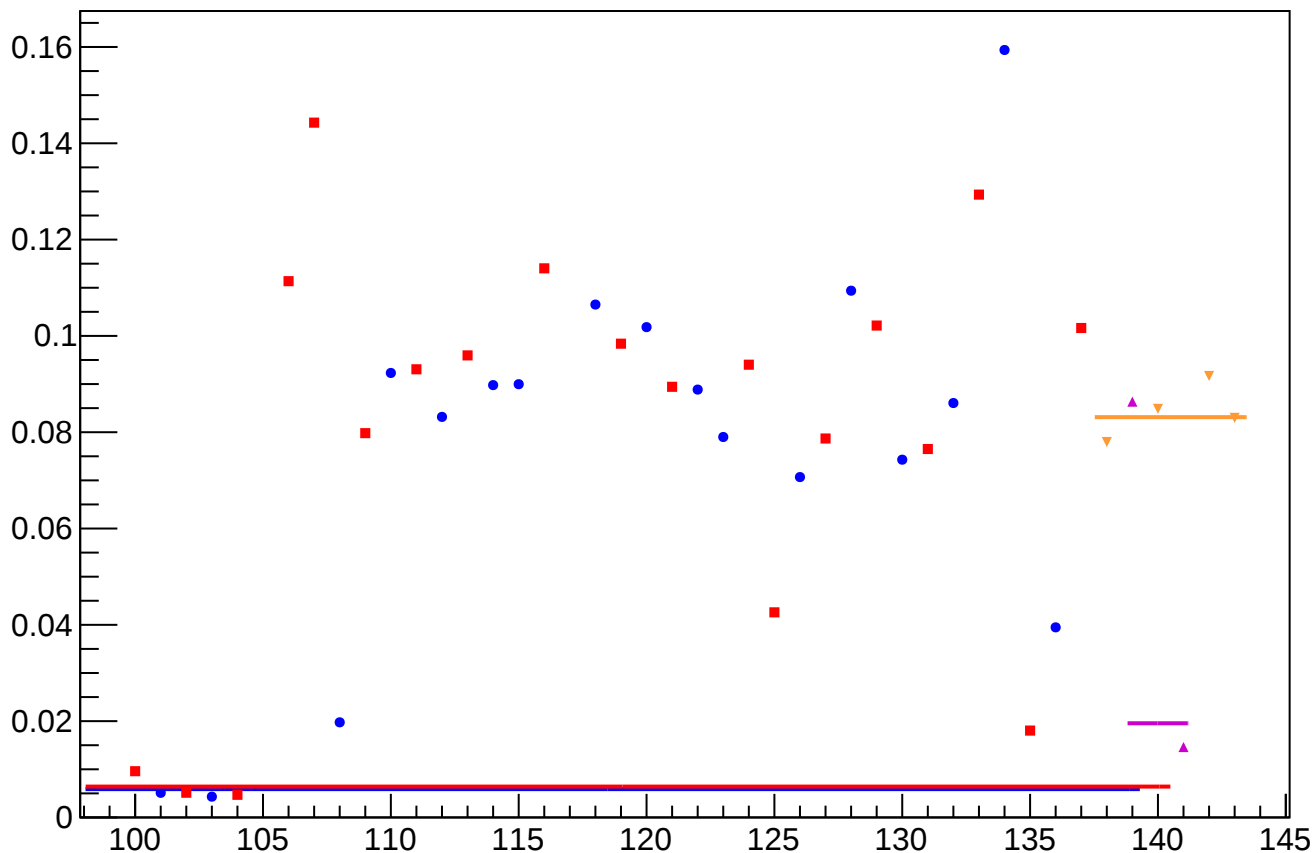
Left In: -4.123+/-0.000 χ^2/NDF : 2548765.3/1

+ sign -5.933+/-0.000 χ^2/NDF : 14481665744.1/20

All: -5.904+/-0.000 χ^2/NDF : 32098381885.0/20

- sign -5.870+/-0.000 χ^2/NDF : 17531738308.6/20

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 7912012.3/16

Left Out: 0.083+/-0.000 χ^2/NDF :13499.2/3

Right Out: 0.006+/-0.000 χ^2/NDF : 8462409.6/18

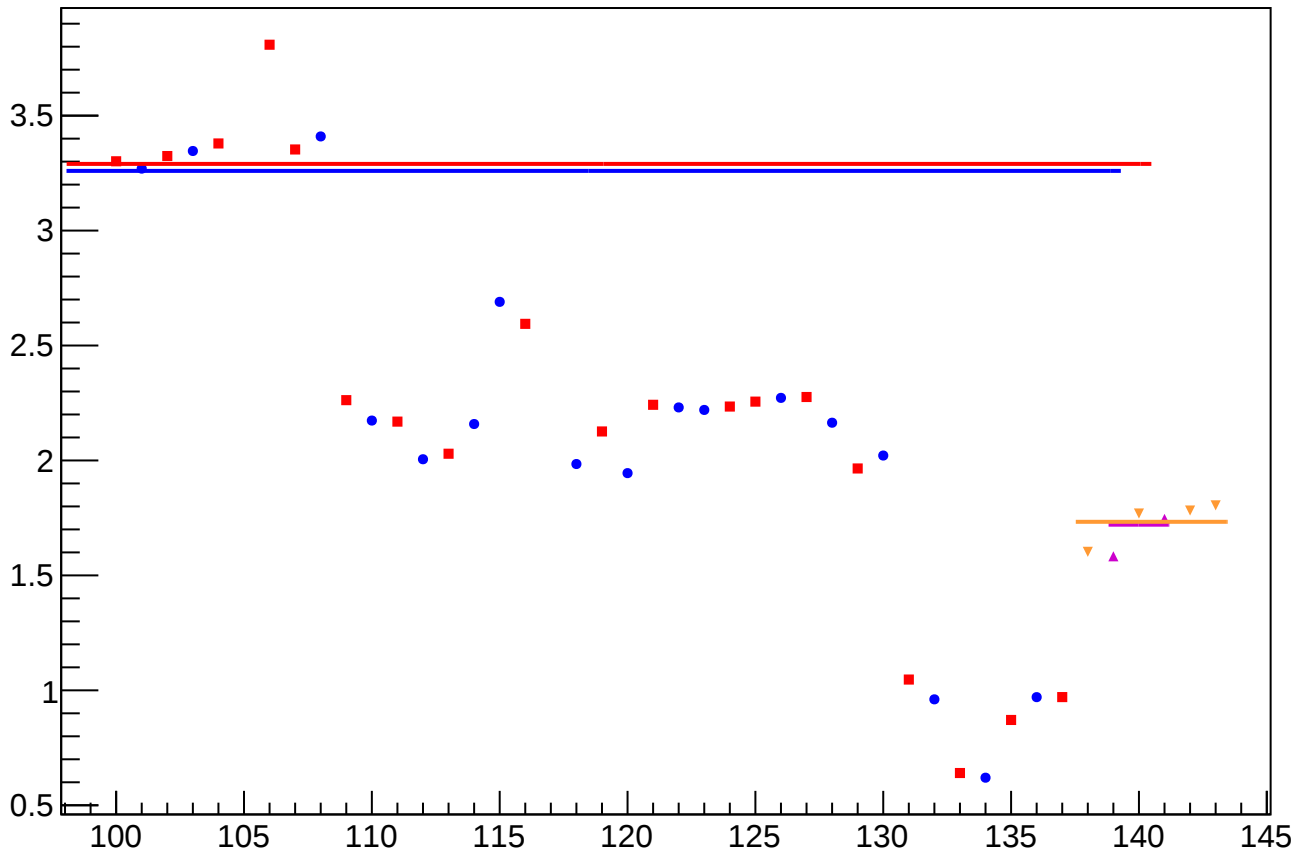
Left In: 0.020+/-0.000 χ^2/NDF :618335.0/1

+ sign 0.006+/-0.000 χ^2/NDF : 12162333.4/20

All: 0.007+/-0.000 χ^2/NDF : 21562446.7/41

- sign 0.007+/-0.000 χ^2/NDF : 9397144.2/20

yield_bpm0l03Y_mean vs Slug



Right In: 3.260+/-0.000 χ^2/NDF : 2914830636.8/16

Left Out: 1.733+/-0.000 χ^2/NDF : 2358973.0/3

+ sign 3.243+/-0.000 χ^2/NDF : 3665198211.9/20

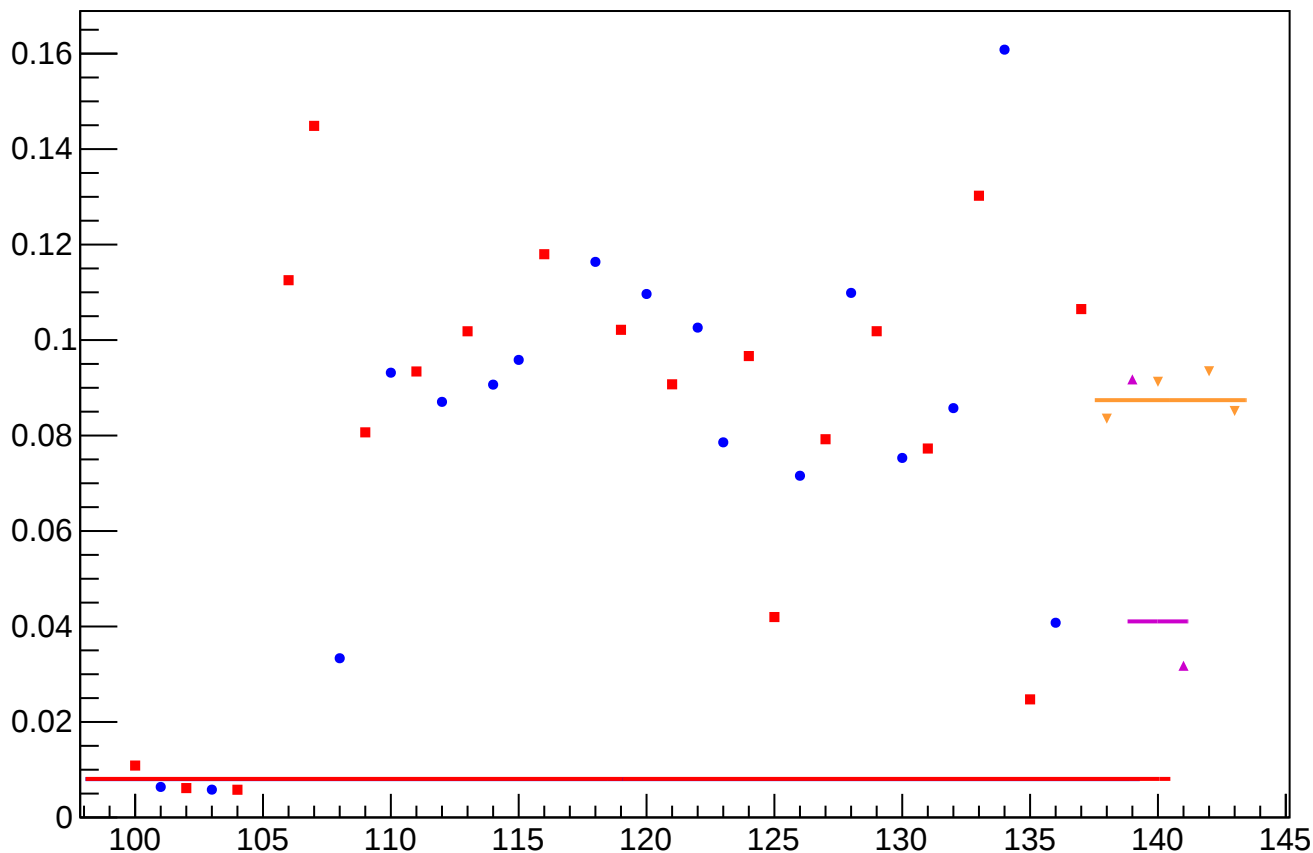
Right Out: 3.290+/-0.000 χ^2/NDF : 3257931929.9/18

All: 3.255+/-0.000 χ^2/NDF : 7849806152.1/41

- sign 3.268+/-0.000 χ^2/NDF : 4175621654.5/20

Left In: 1.721+/-0.000 χ^2/NDF : 1308363.6/1

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 7721103.3/16

Left Out: 0.087+/-0.000 χ^2/NDF : 9746.7/3

Right Out: 0.008+/-0.000 χ^2/NDF : 8274347.6/18

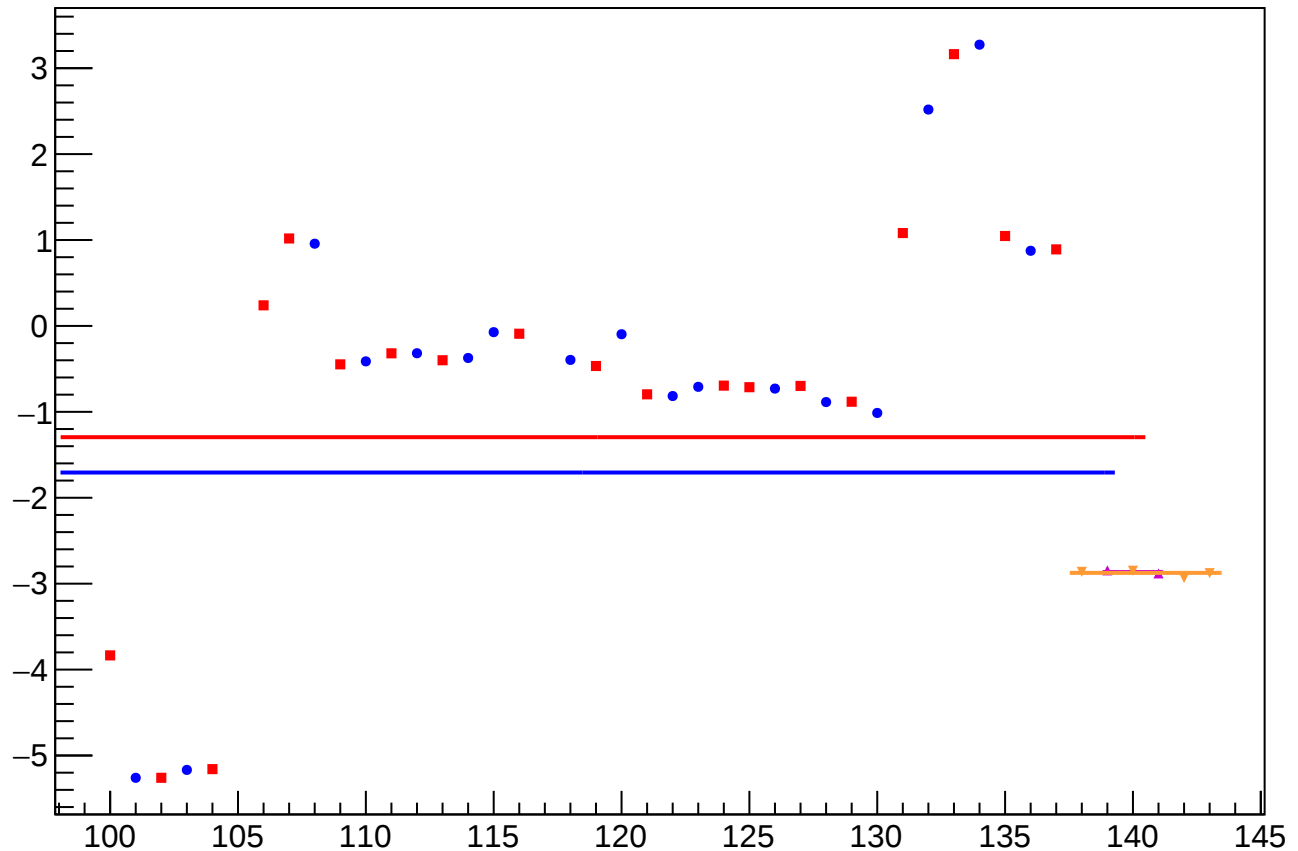
Left In: 0.041+/-0.000 χ^2/NDF : 355394.4/1

+ sign 0.009+/-0.000 χ^2/NDF : 11776385.6/20

All: 0.009+/-0.000 χ^2/NDF : 21219946.6/41

- sign 0.009+/-0.000 χ^2/NDF : 9439619.0/20

yield_bpm0l04X_mean vs Slug



Right In: -1.706 ± 0.000 $\chi^2/\text{NDF}: 166152957432.2/16$

Left Out: -2.874 ± 0.000 $\chi^2/\text{NDF}: 37926105.5/3$

Right Out: -1.295 ± 0.000 $\chi^2/\text{NDF}: 178454284120.5/18$

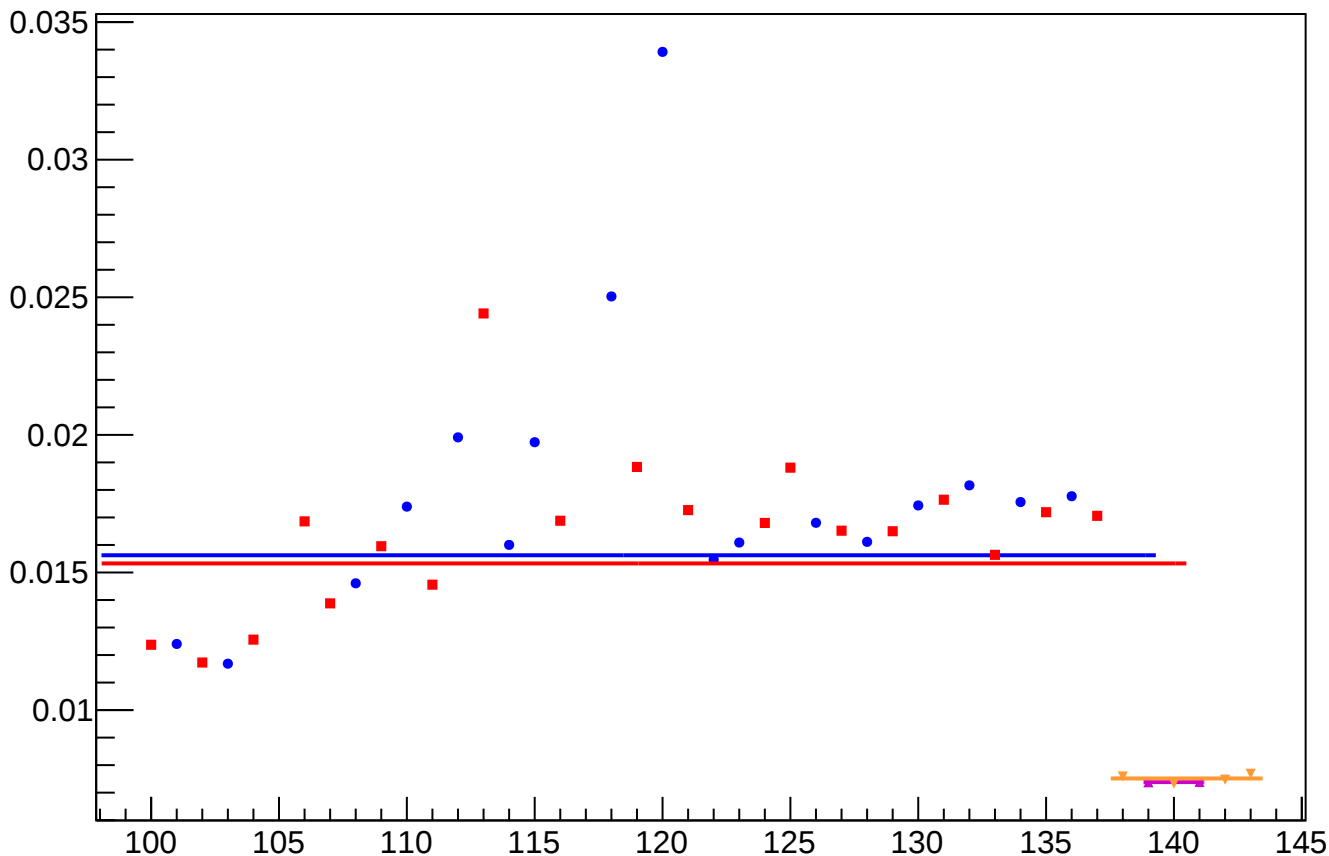
Left In: -2.865 ± 0.000 $\chi^2/\text{NDF}: 8635989.3/1$

+ sign -2.490 ± 0.000 $\chi^2/\text{NDF}: 187141567516.5/20$

All: -2.318 ± 0.000 $\chi^2/\text{NDF}: 403412756954.3$

- sign -2.096 ± 0.000 $\chi^2/\text{NDF}: 211566667985.0/20$

yield_bpm0l04X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF : 576262.6/16

Left Out: 0.008+/-0.000 χ^2/NDF :1922.1/3

Right Out: 0.015+/-0.000 χ^2/NDF : 349445.5/18

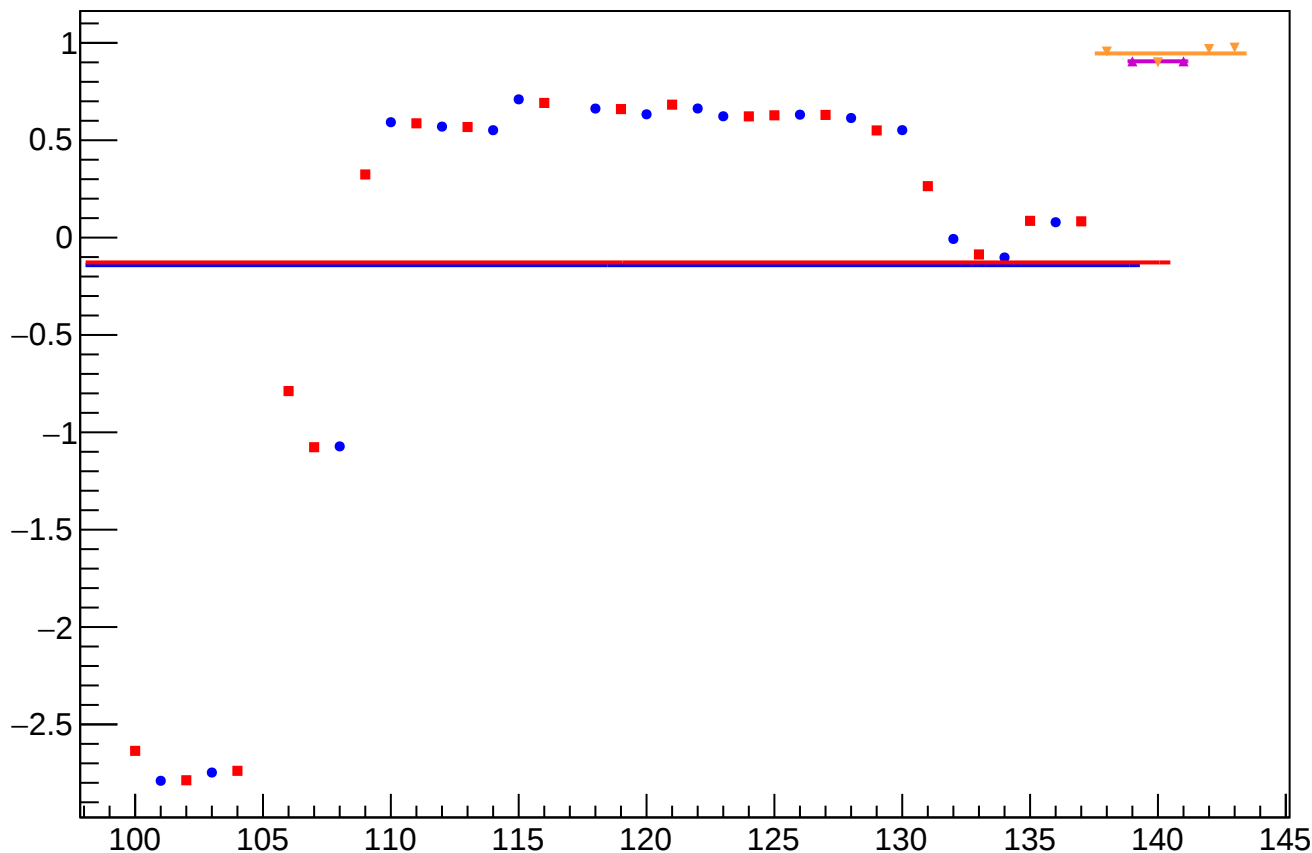
Left In: 0.007+/-0.000 χ^2/NDF :2.6/1

+ sign 0.010+/-0.000 χ^2/NDF : 2598521.7/20

All: 0.011+/-0.000 χ^2/NDF : 4716049.7/41

- sign 0.011+/-0.000 χ^2/NDF : 2045537.3/20

yield_bpm0l04Y_mean vs Slug



Right In: -0.142+/-0.000 χ^2/NDF : 713960839307.6/16

Left Out: 0.946+/-0.000 χ^2/NDF :53244077.3/3

$$+ \text{sign } -0.040 \pm 0.000 \quad \chi^2/\text{NDF: } 770513301744.0/20$$

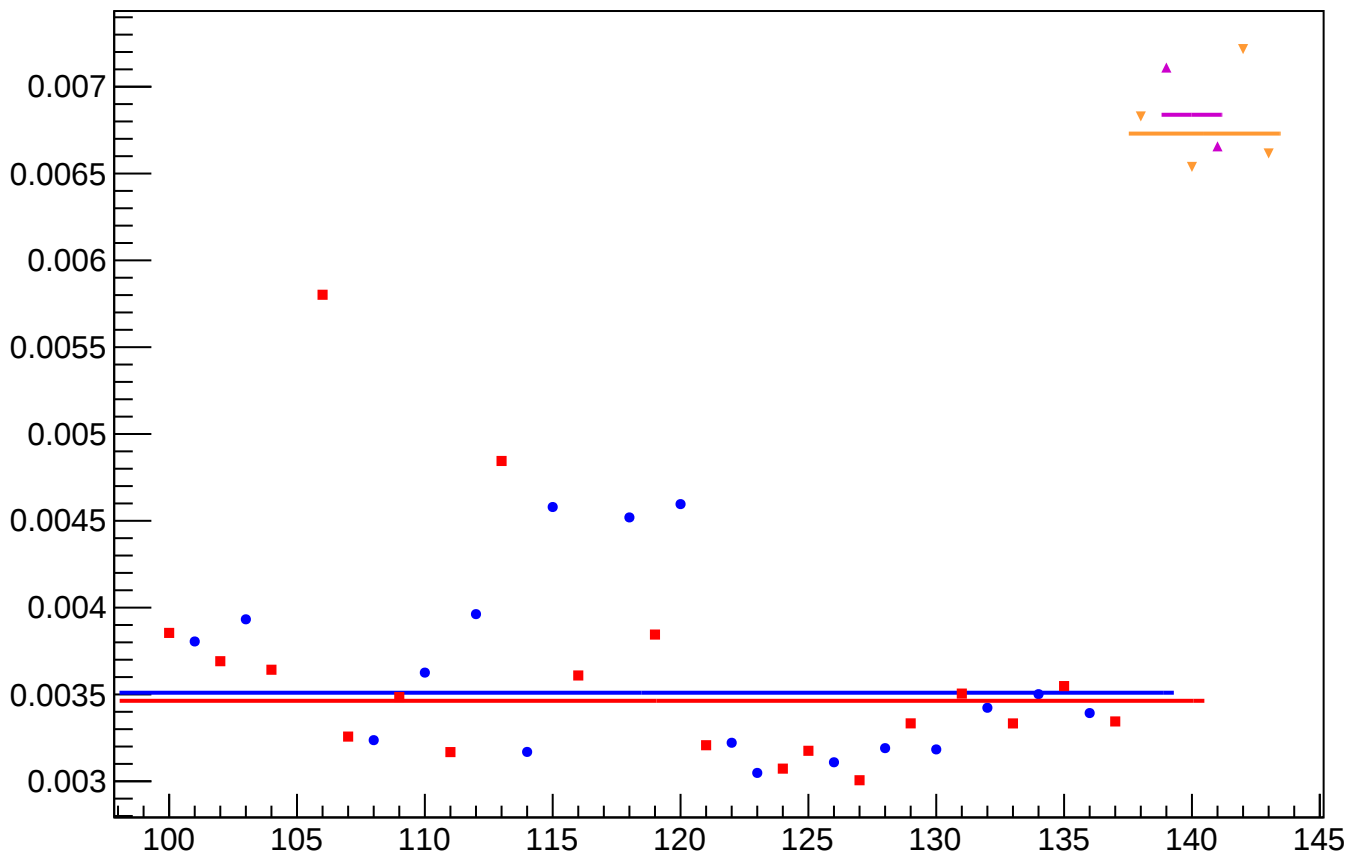
Right Out: -0.128 $\pm$ 0.000 χ^2 /NDF: 760638736693.8/18

All: -0.058 ± 0.000 χ^2/NDF : 1561377990583

- sign -0.076+/-0.000 χ^2/NDF : 790494055197.9/20

Left In: 0.905+/-0.000 χ^2/NDF :178.8/1

yield_bpm0l04Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 171943.8/16

Left Out: 0.007 $\pm$ 0.000 χ^2 /NDF:5425.6/3

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 215500.5/18

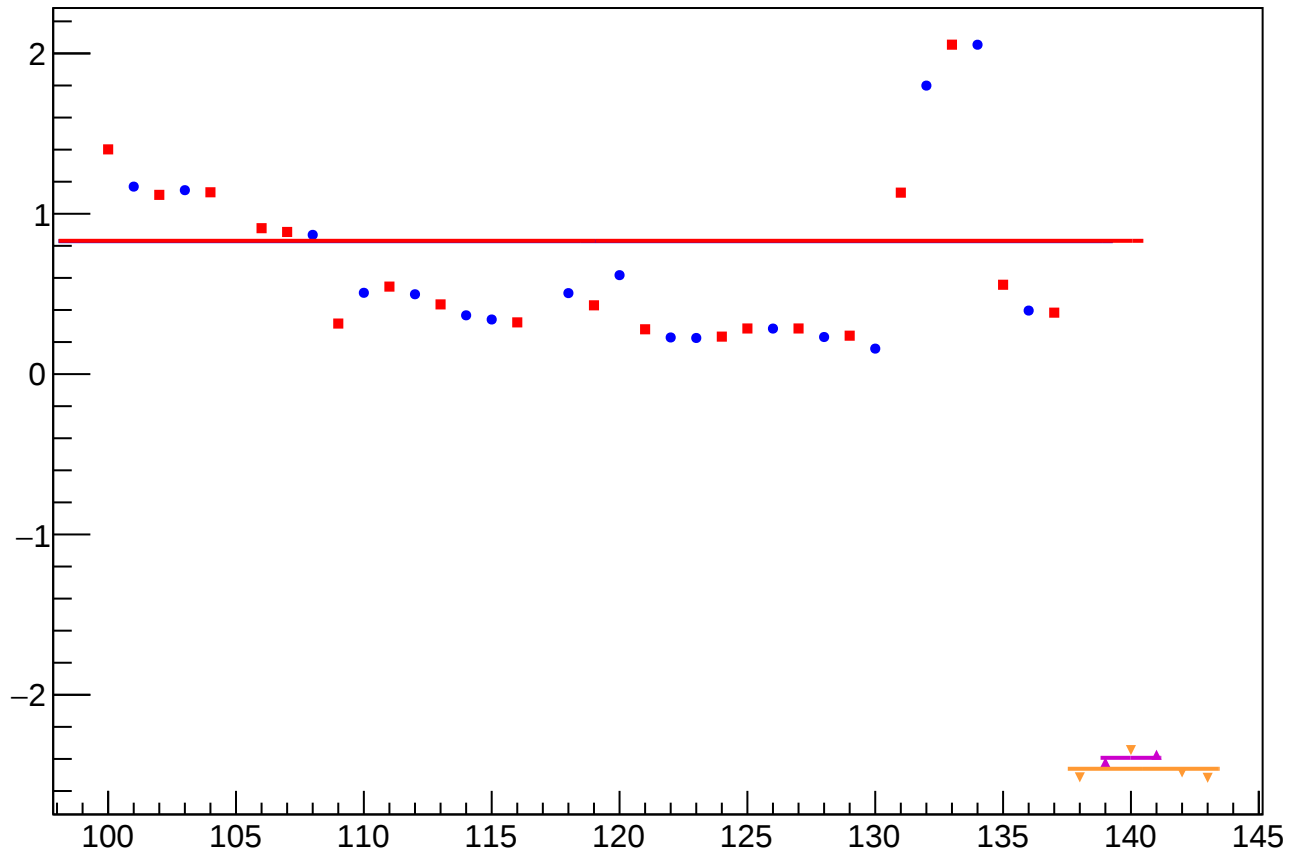
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:2913.7/1

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1168325.1/20

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 2042625.2/41

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 855939.4/20

yield_bpm0l05X_mean vs Slug



Right In: 0.829+/-0.000 χ^2/NDF : 31663410264.3/16

Left Out: -2.461+/-0.000 χ^2/NDF : 333193686.2/3

Right Out: 0.831+/-0.000 χ^2/NDF : 33383369168.0/18

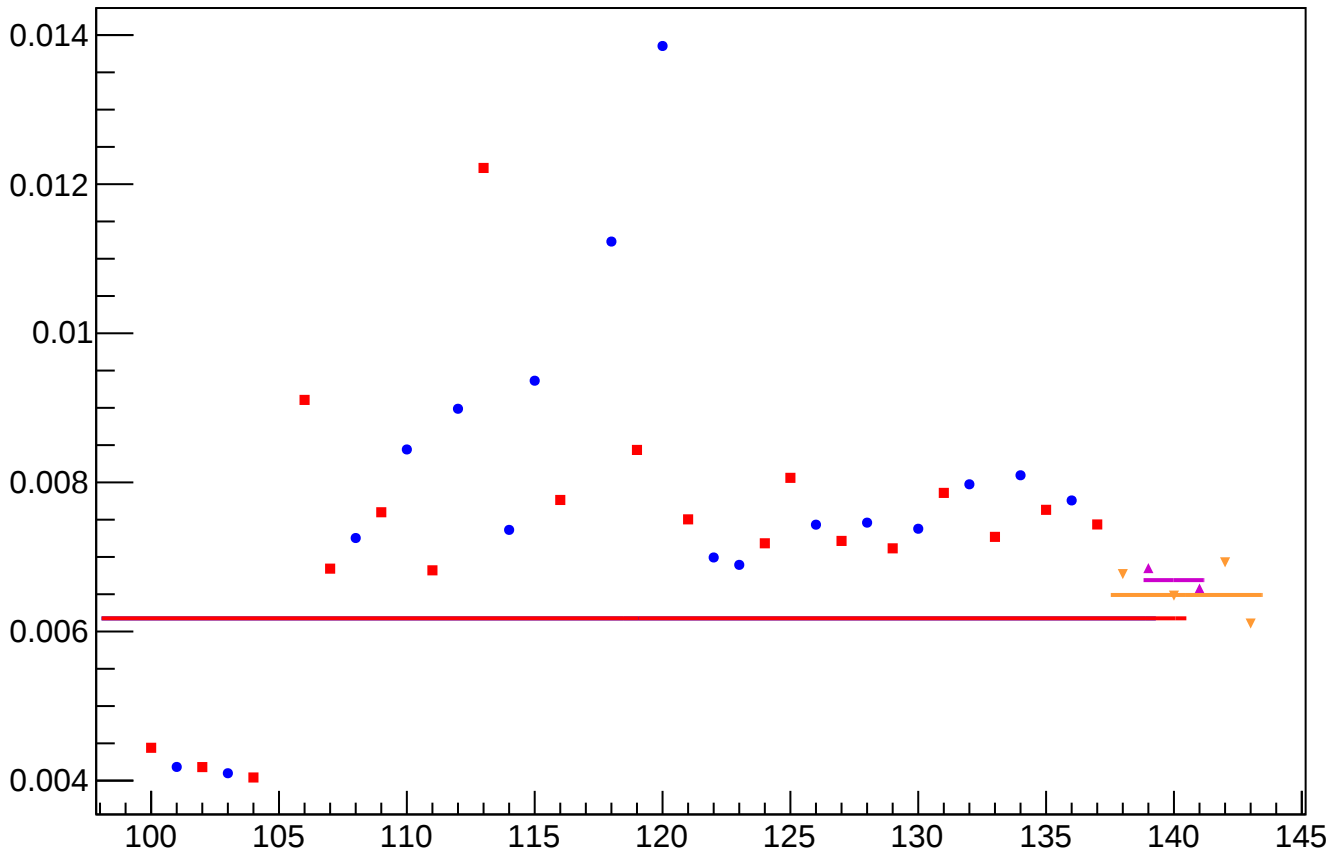
Left In: -2.393+/-0.000 χ^2/NDF : 16915364.7/1

+ sign -0.135+/-0.000 χ^2/NDF : 473041566081.2/20

All: 0.065+/-0.000 χ^2/NDF : 793304756775.1

- sign 0.279+/-0.000 χ^2/NDF : 304007473407.4/20

yield_bpm0l05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1221890.6/16

Left Out: 0.006+/-0.000 χ^2/NDF : 10796.8/3

Right Out: 0.006+/-0.000 χ^2/NDF : 1020690.2/18

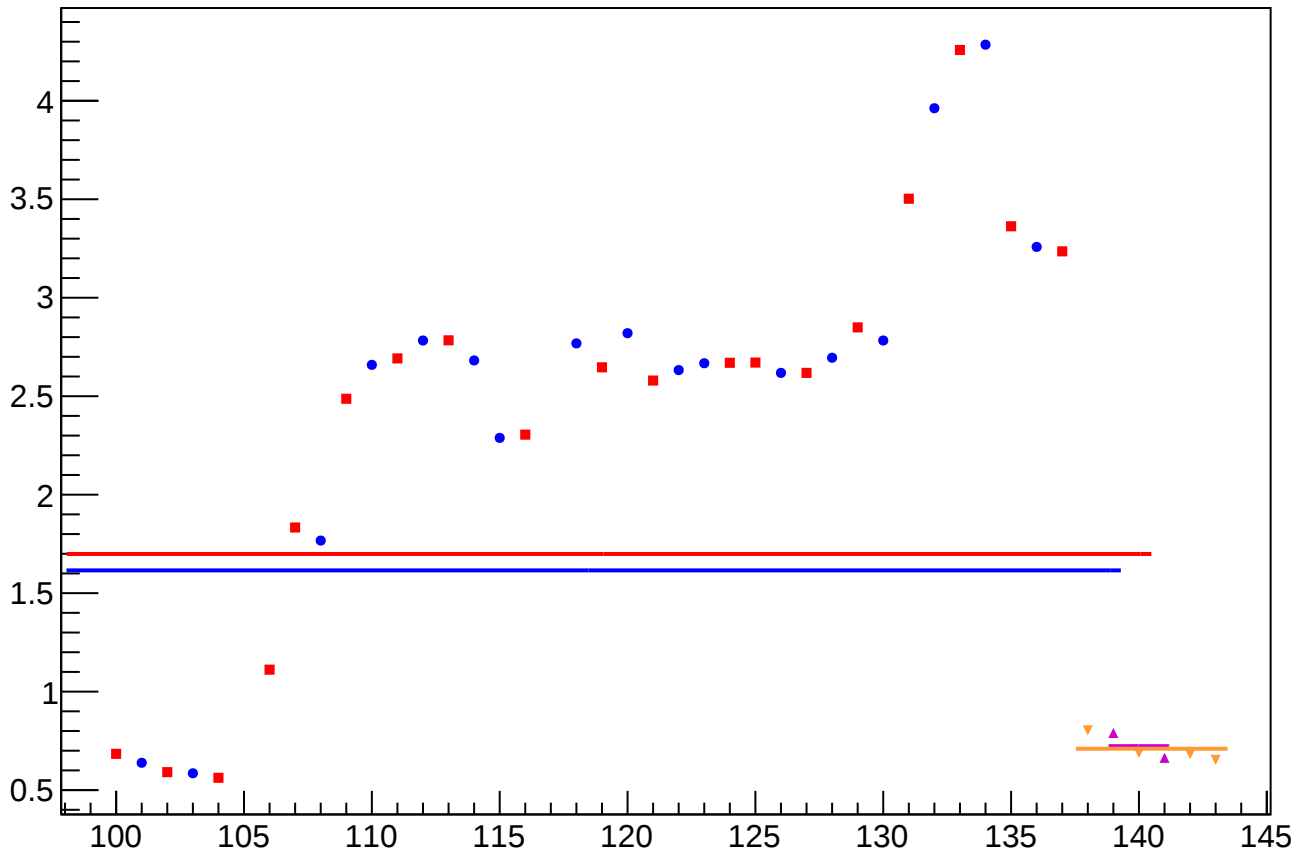
Left In: 0.007+/-0.000 χ^2/NDF : 1143.9/1

+ sign 0.006+/-0.000 χ^2/NDF : 1240760.1/20

All: 0.006+/-0.000 χ^2/NDF : 2276260.1/41

- sign 0.006+/-0.000 χ^2/NDF : 1035498.4/20

yield_bpm0l05Y_mean vs Slug



Right In: 1.616 $\pm$ 0.000 χ^2 /NDF: 202687681737.9/16

Left Out: 0.710 $\pm$ 0.000 χ^2 /NDF: 222298013.1/3

Right Out: 1.699 $\pm$ 0.000 χ^2 /NDF: 227853059871.9/18

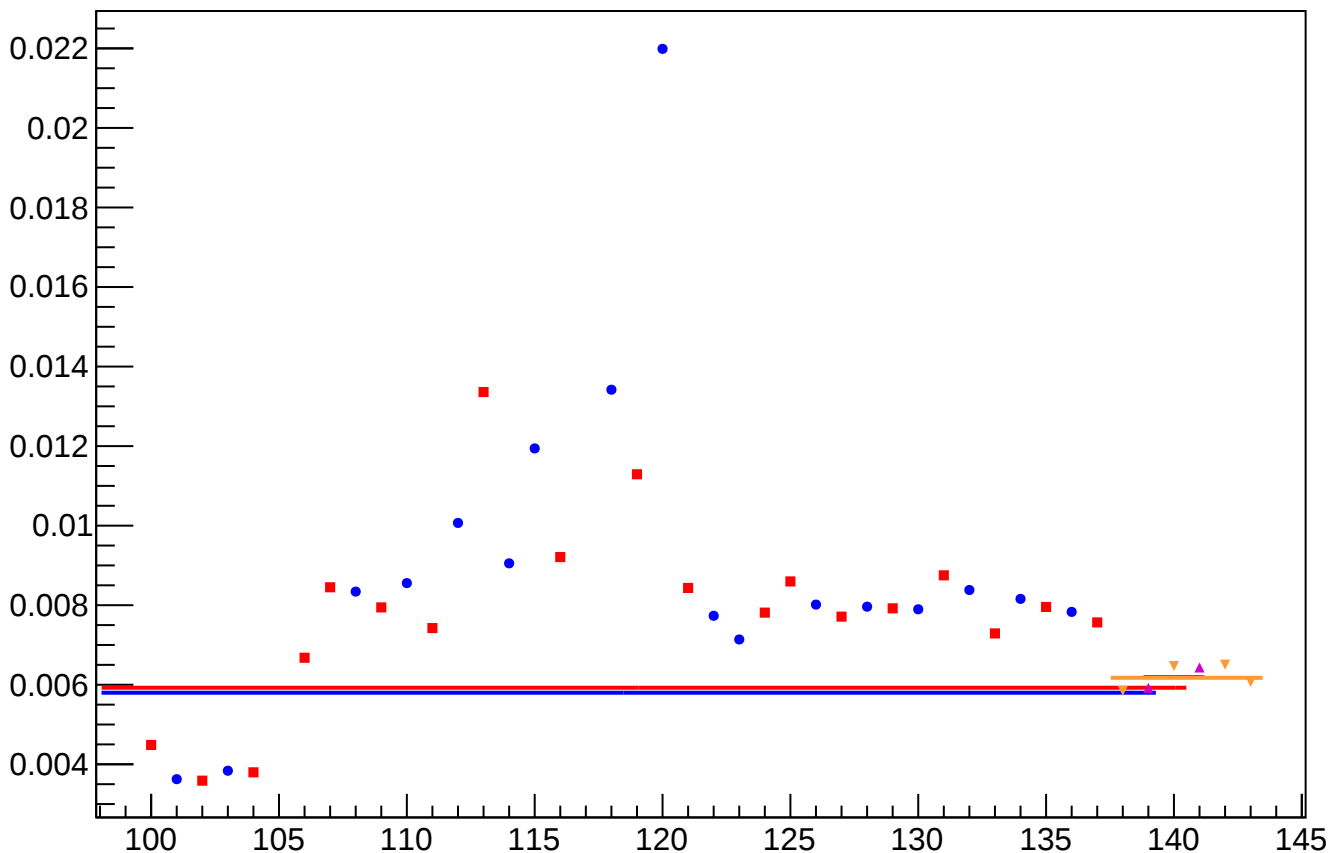
Left In: 0.723 $\pm$ 0.000 χ^2 /NDF: 137126489.5/1

+ sign 1.346 $\pm$ 0.000 χ^2 /NDF: 237850012693.8/20

All: 1.428 $\pm$ 0.000 χ^2 /NDF: 495561927360.1

- sign 1.519 $\pm$ 0.000 χ^2 /NDF: 254804573671.0/20

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1911401.2/16

Left Out: 0.006+/-0.000 χ^2/NDF : 9001.8/3

Right Out: 0.006+/-0.000 χ^2/NDF : 1677224.2/18

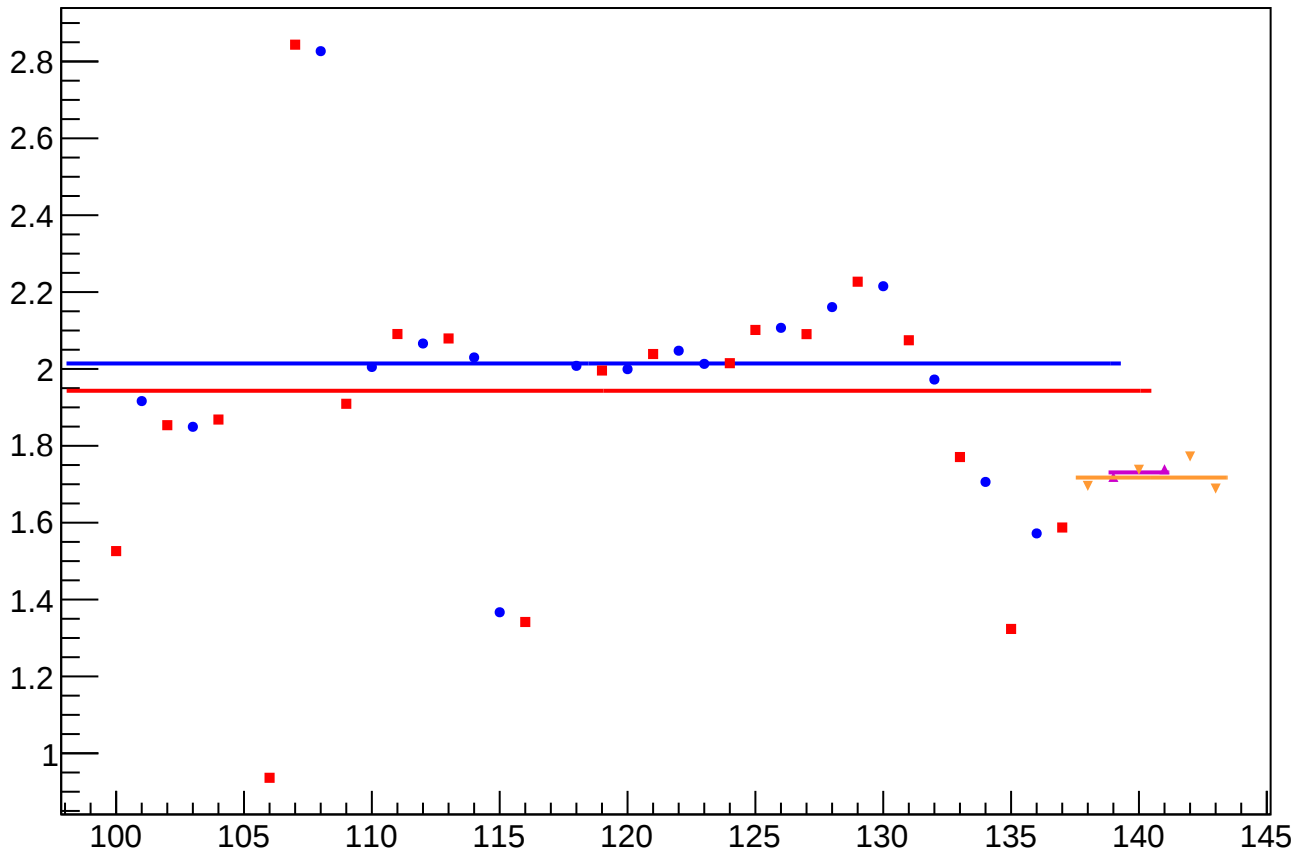
Left In: 0.006+/-0.000 χ^2/NDF : 4520.9/1

+ sign 0.006+/-0.000 χ^2/NDF : 1932427.5/20

All: 0.006+/-0.000 χ^2/NDF : 3619048.0/41

- sign 0.006+/-0.000 χ^2/NDF : 1685842.0/20

yield_bpm0l06X_mean vs Slug



Right In: 2.014 $\pm$ 0.000 χ^2 /NDF: 12207088036.2/16

Left Out: 1.717 $\pm$ 0.000 χ^2 /NDF:35078729.4/3

Right Out: 1.943 $\pm$ 0.000 χ^2 /NDF: 21416554404.5/18

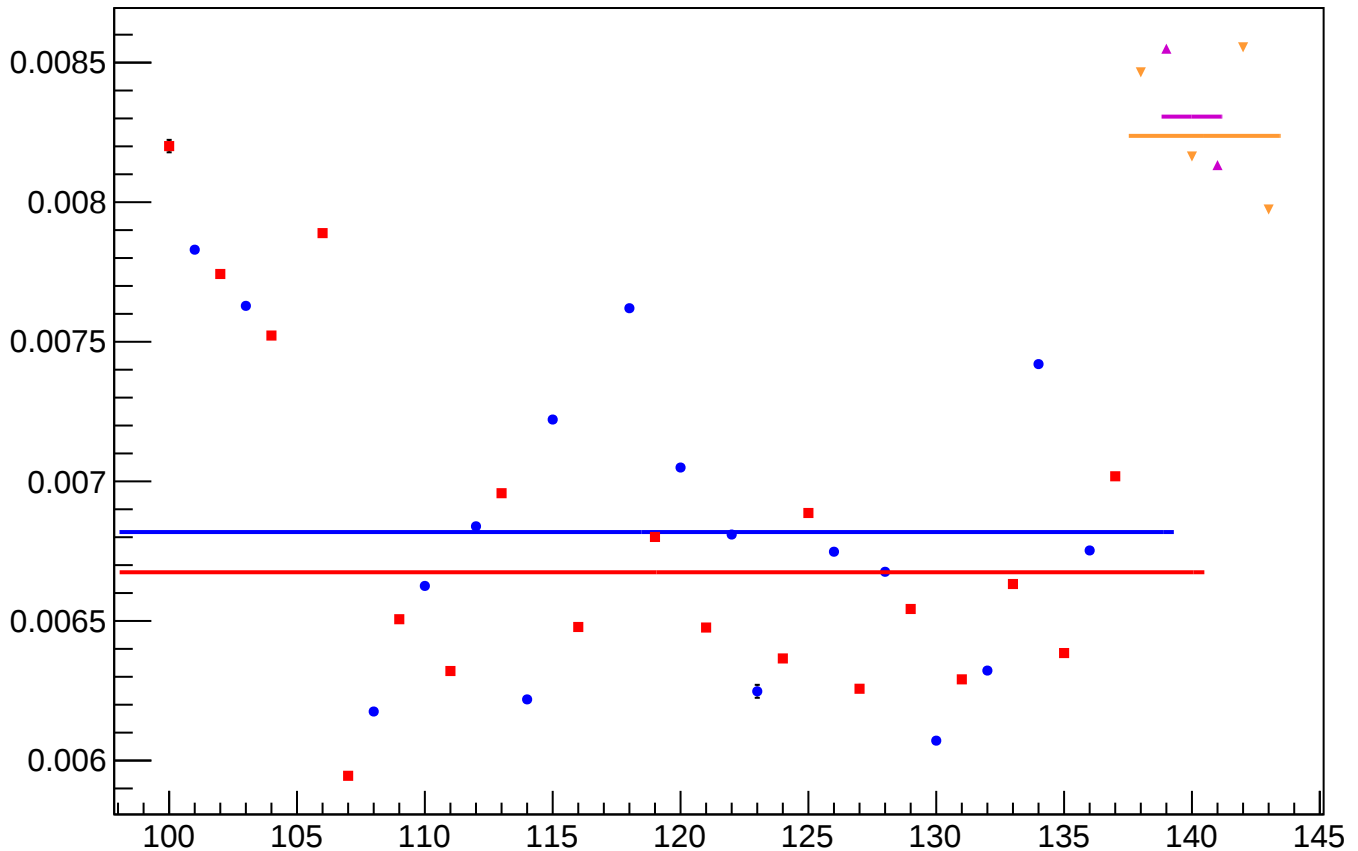
Left In: 1.731 $\pm$ 0.000 χ^2 /NDF:2050208.8/1

+ sign 1.950 $\pm$ 0.000 χ^2 /NDF: 14838336433.9/20

All: 1.934 $\pm$ 0.000 χ^2 /NDF: 37191302212.1/4

- sign 1.917 $\pm$ 0.000 χ^2 /NDF: 22258934211.3/20

yield_bpm0l06X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 76886.5/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:3798.8/3

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 76755.5/18

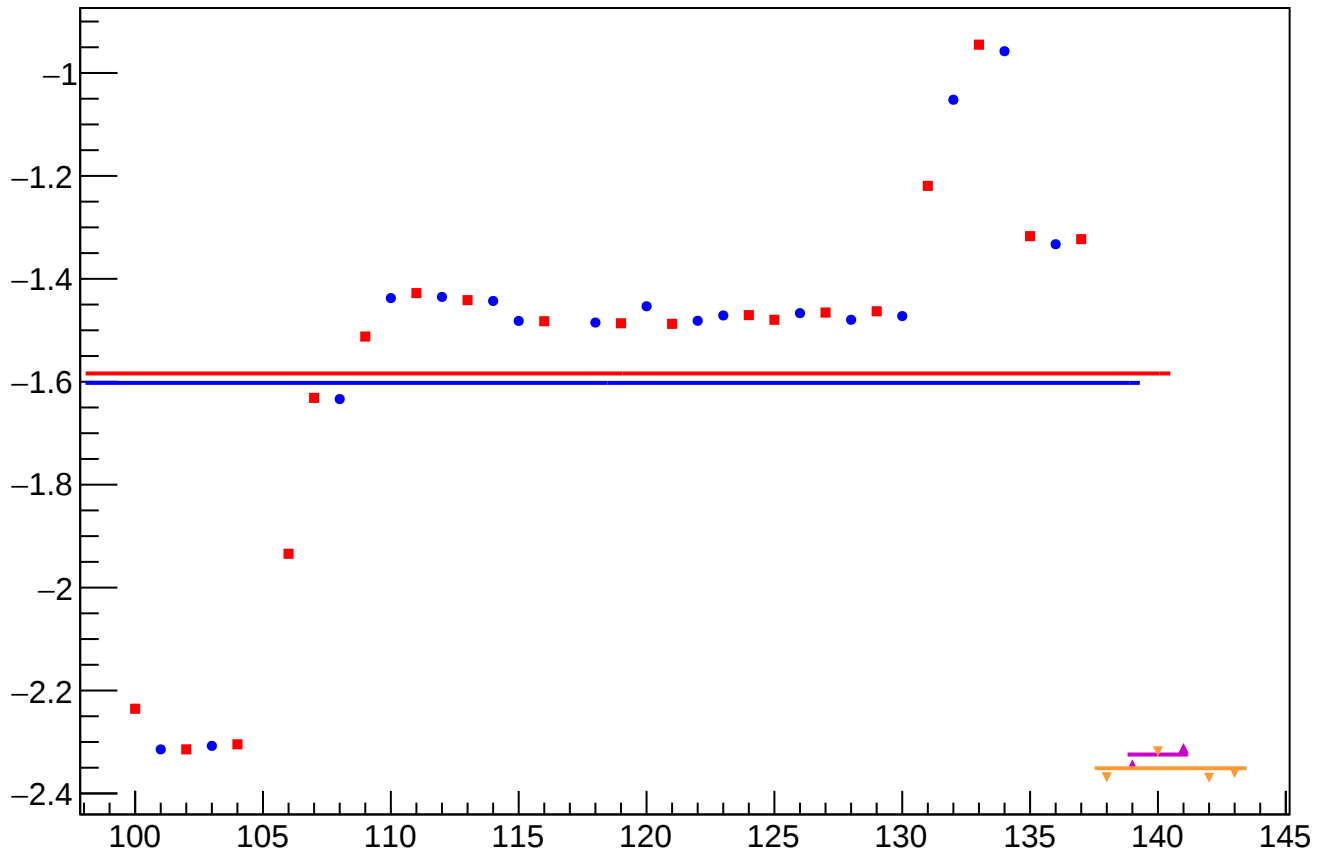
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:1794.2/1

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 199359.9/20

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 388022.8/41

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 177776.7/20

yield_bpm0l06Y_mean vs Slug



Right In: -1.602+/-0.000 χ^2/NDF : 140170767010.0/16

Left Out: -2.351+/-0.000 χ^2/NDF : 150829387.6/3

Right Out: -1.584+/-0.000 χ^2/NDF : 143827090276.5/18

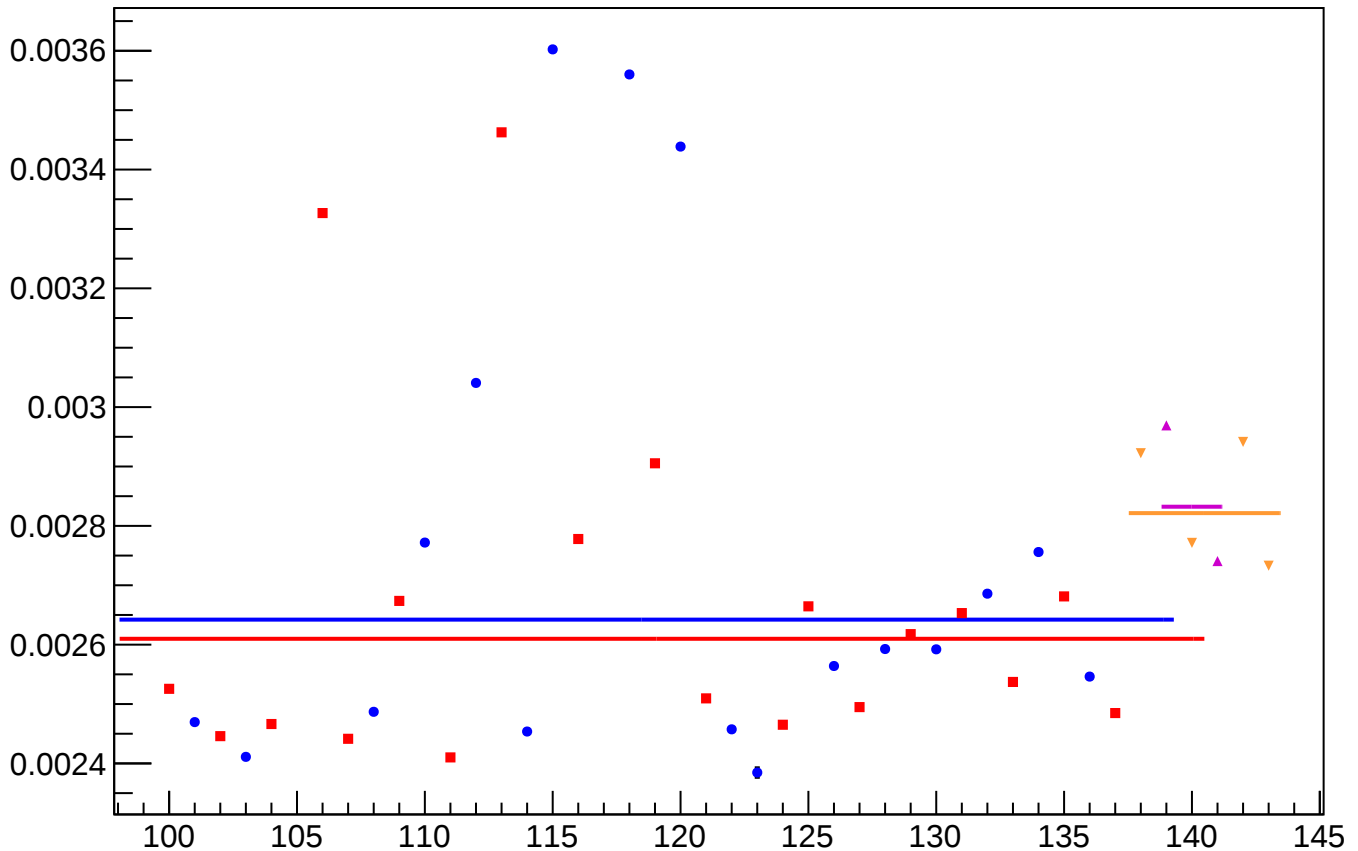
Left In: -2.324+/-0.000 χ^2/NDF : 43586667.9/1

+ sign -1.797+/-0.000 χ^2/NDF : 270935441496.3/20

All: -1.749+/-0.000 χ^2/NDF : 503652105537.6

- sign -1.699+/-0.000 χ^2/NDF : 227043201696.6/20

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 151919.2/16

Left Out: 0.003+/-0.000 χ^2/NDF : 4882.0/3

Right Out: 0.003+/-0.000 χ^2/NDF : 104781.3/18

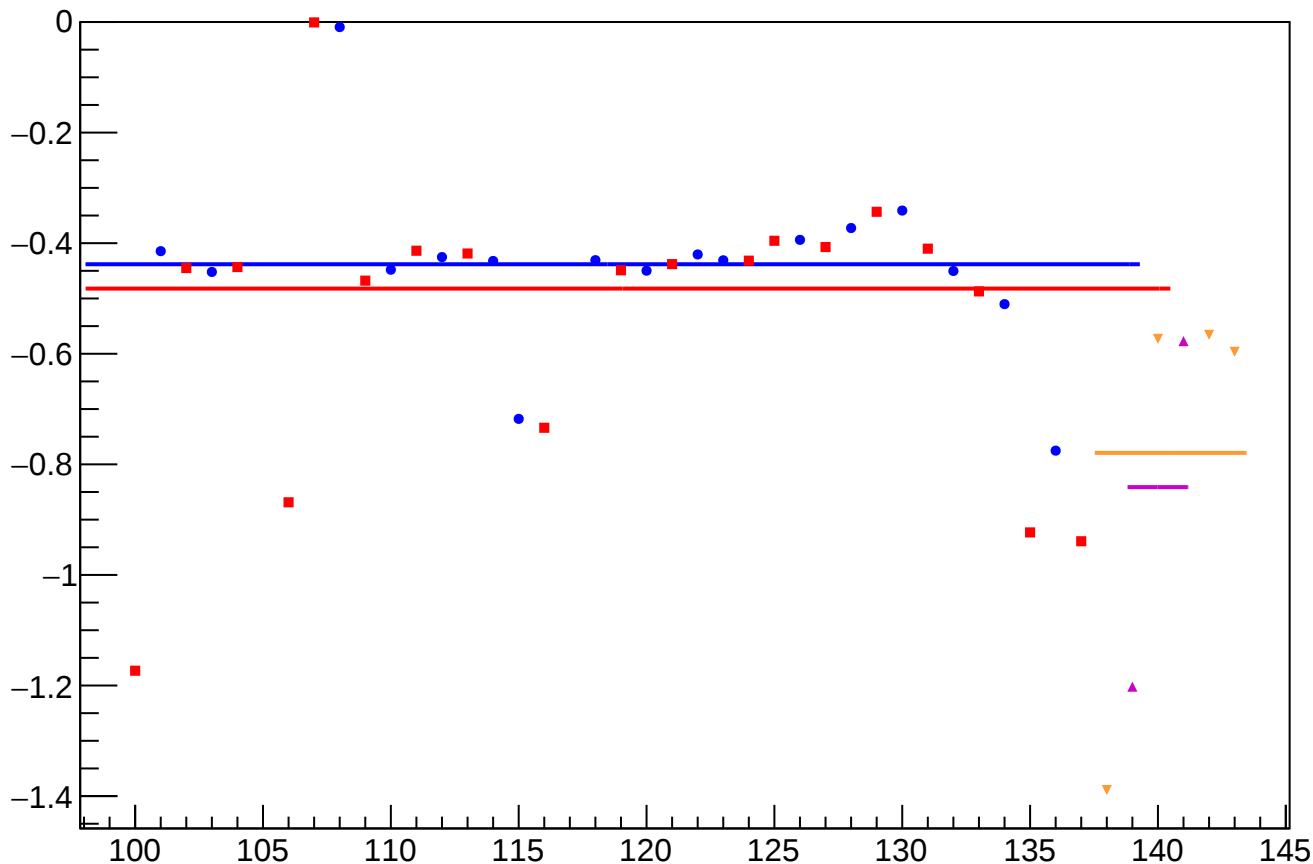
Left In: 0.003+/-0.000 χ^2/NDF : 4501.6/1

+ sign 0.003+/-0.000 χ^2/NDF : 171785.3/20

All: 0.003+/-0.000 χ^2/NDF : 298401.8/41

- sign 0.003+/-0.000 χ^2/NDF : 124288.3/20

yield_bpm0l07X_mean vs Slug



Right In: -0.438+/-0.000 χ^2/NDF : 1461198978.4/16

Left Out: -0.779+/-0.000 χ^2/NDF : 1610213190.8/3

Right Out: -0.482+/-0.000 χ^2/NDF : 2693383941.7/18

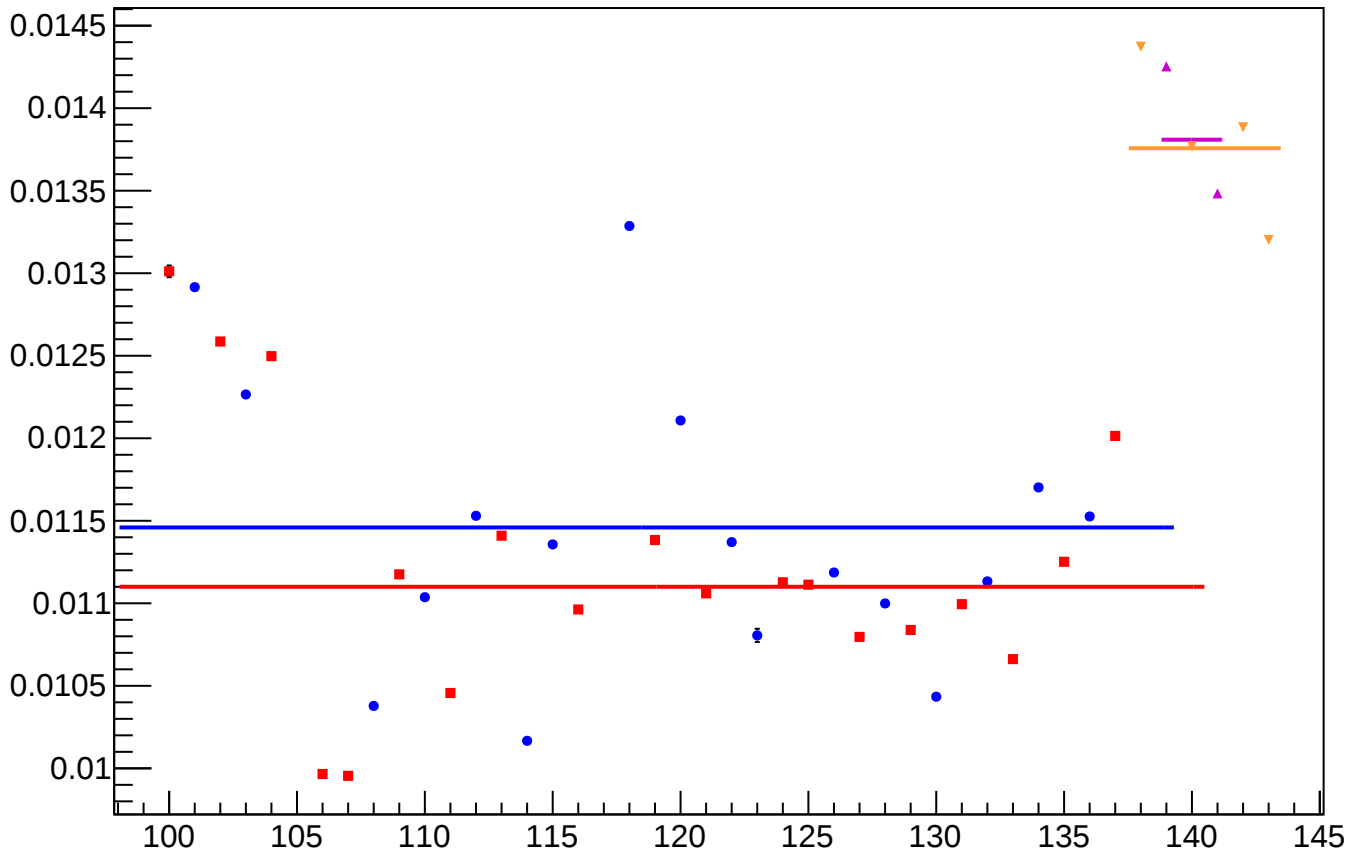
Left In: -0.841+/-0.000 χ^2/NDF : 724684186.7/1

+ sign -0.511+/-0.000 χ^2/NDF : 4290786682.2/20

All: -0.518+/-0.000 χ^2/NDF : 8578454641.9/4

- sign -0.525+/-0.000 χ^2/NDF : 4281396157.2/20

yield_bpm0l07X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 64588.0/16

Left Out: 0.014+/-0.000 χ^2/NDF : 5112.5/3

Right Out: 0.011+/-0.000 χ^2/NDF : 56096.3/18

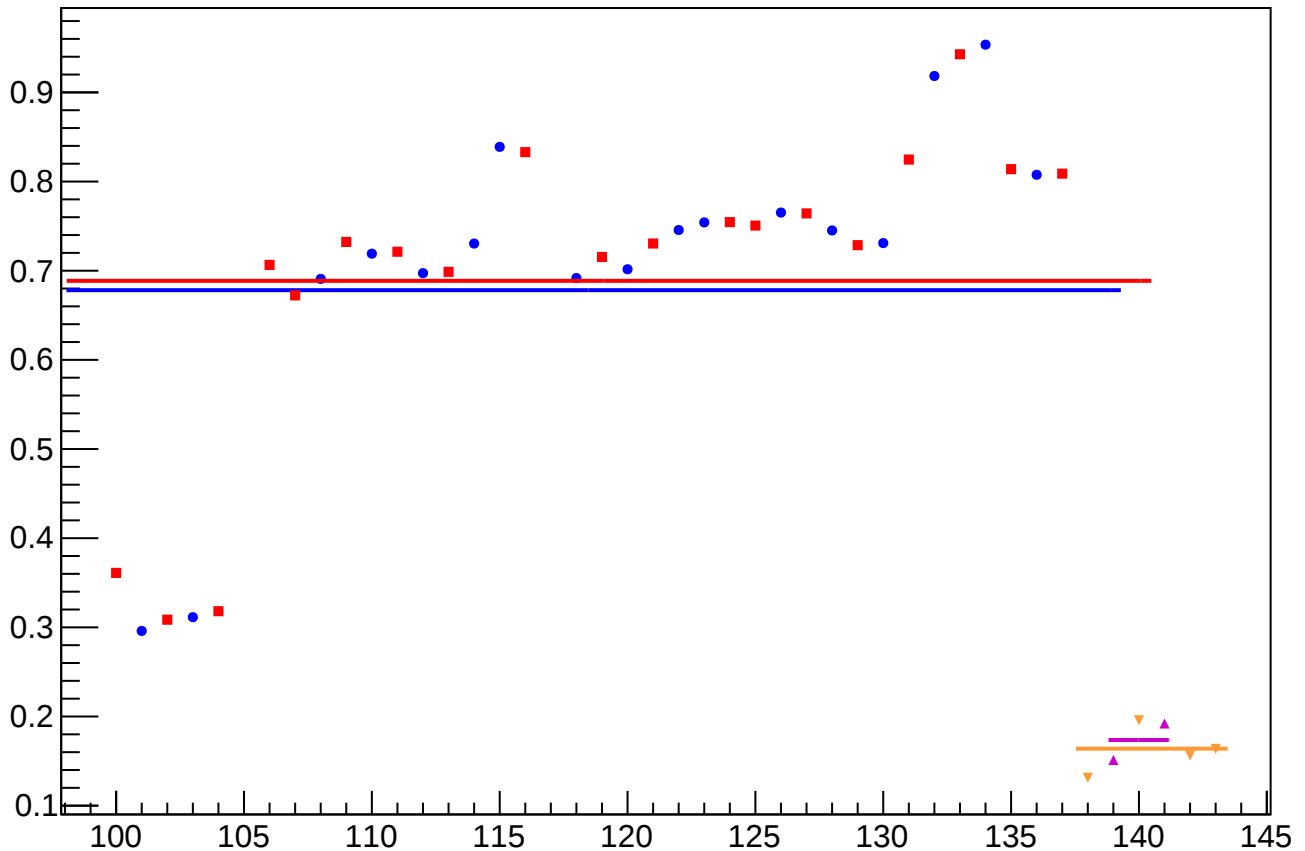
Left In: 0.014+/-0.000 χ^2/NDF : 2198.3/1

+ sign 0.012+/-0.000 χ^2/NDF : 180339.9/20

All: 0.012+/-0.000 χ^2/NDF : 354397.4/41

- sign 0.011+/-0.000 χ^2/NDF : 156587.3/20

yield_bpm0l07Y_mean vs Slug



Right In: 0.678+/-0.000 χ^2/NDF : 38485337866.0/16

Left Out: 0.164+/-0.000 χ^2/NDF : 374013694.5/3

Right Out: 0.689+/-0.000 χ^2/NDF : 35296354242.4/18

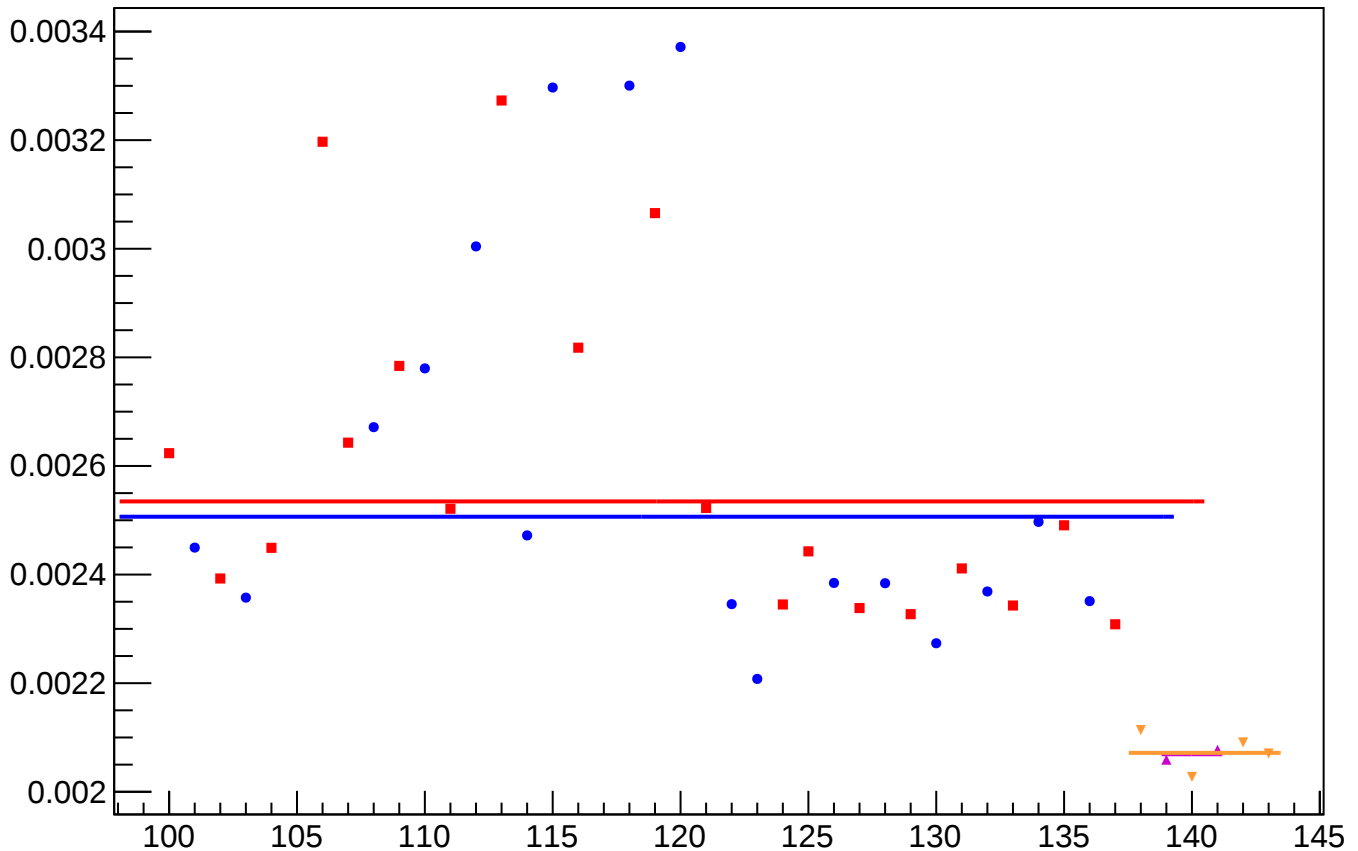
Left In: 0.174+/-0.000 χ^2/NDF : 147095783.2/1

+ sign 0.480+/-0.000 χ^2/NDF : 141637839925.5/20

All: 0.516+/-0.000 χ^2/NDF : 251615831902.4

- sign 0.558+/-0.000 χ^2/NDF : 105437523053.9/20

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 174398.1/16

Left Out: 0.002+/-0.000 χ^2/NDF :1401.7/3

Right Out: 0.003+/-0.000 χ^2/NDF : 131675.7/18

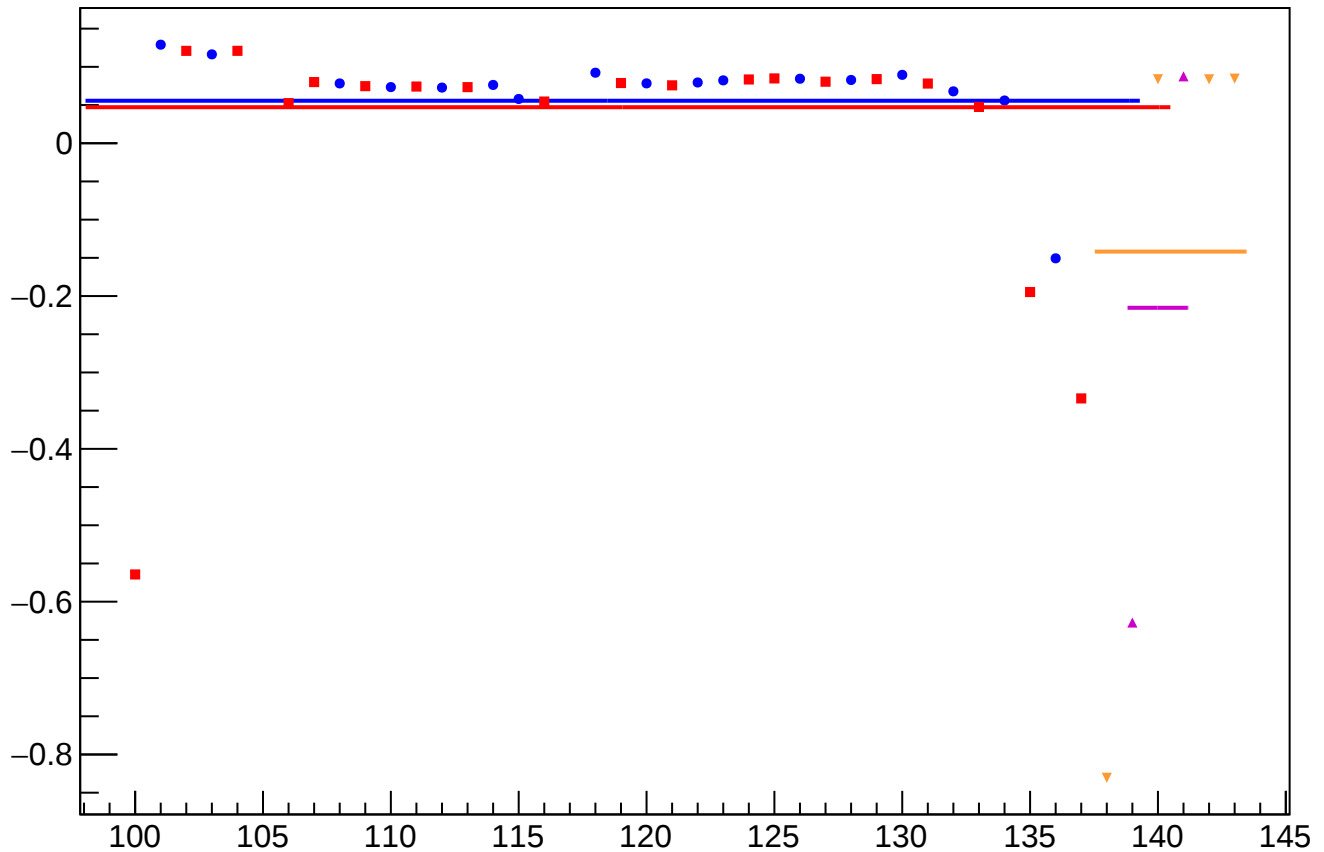
Left In: 0.002+/-0.000 χ^2/NDF :58.0/1

+ sign 0.002+/-0.000 χ^2/NDF : 322810.9/20

All: 0.002+/-0.000 χ^2/NDF : 577976.0/41

- sign 0.002+/-0.000 χ^2/NDF : 246155.4/20

yield_bpm0l08X_mean vs Slug



Right In: 0.056 $\pm$ 0.000 χ^2 /NDF: 422754930.4/16

Left Out: -0.142 $\pm$ 0.000 χ^2 /NDF: 2548333672.4/3

Right Out: 0.047 $\pm$ 0.000 χ^2 /NDF: 819330612.8/18

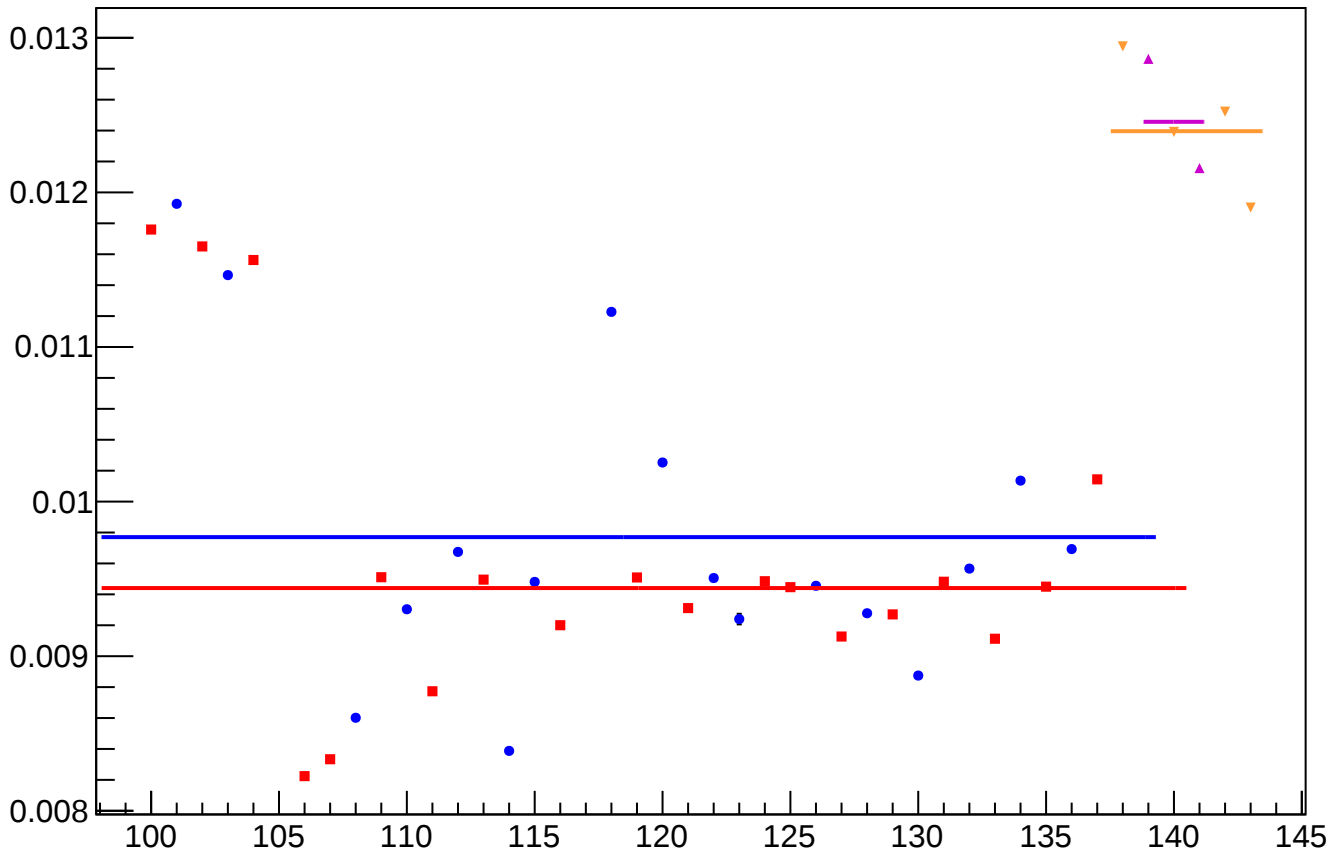
Left In: -0.215 $\pm$ 0.000 χ^2 /NDF: 1167056650.4/1

+ sign 0.017 $\pm$ 0.000 χ^2 /NDF: 3484519052.6/20

All: 0.018 $\pm$ 0.000 χ^2 /NDF: 6045874232.6/41

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 2561207845.7/20

yield_bpm0l08X_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 116013.9/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:5007.3/3

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 110651.6/18

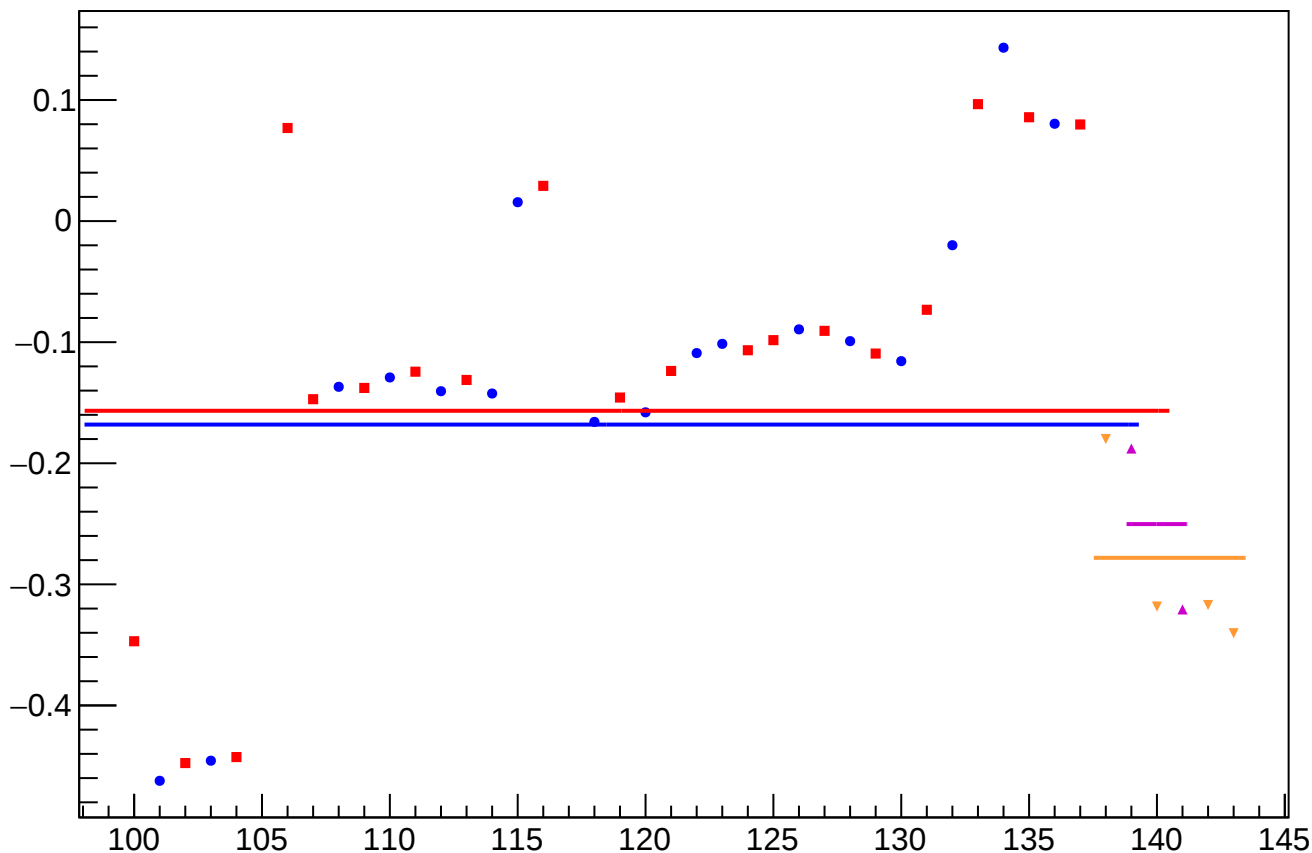
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:2280.8/1

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 302626.5/20

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 590130.1/41

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 264673.4/20

yield_bpm0l08Y_mean vs Slug



Right In: -0.168 ± 0.000 $\chi^2/\text{NDF}: 12330177160.8/16$

Left Out: -0.278 ± 0.000 $\chi^2/\text{NDF}: 1358282129.1/3$

Right Out: -0.157 ± 0.000 $\chi^2/\text{NDF}: 11031837915.5/18$

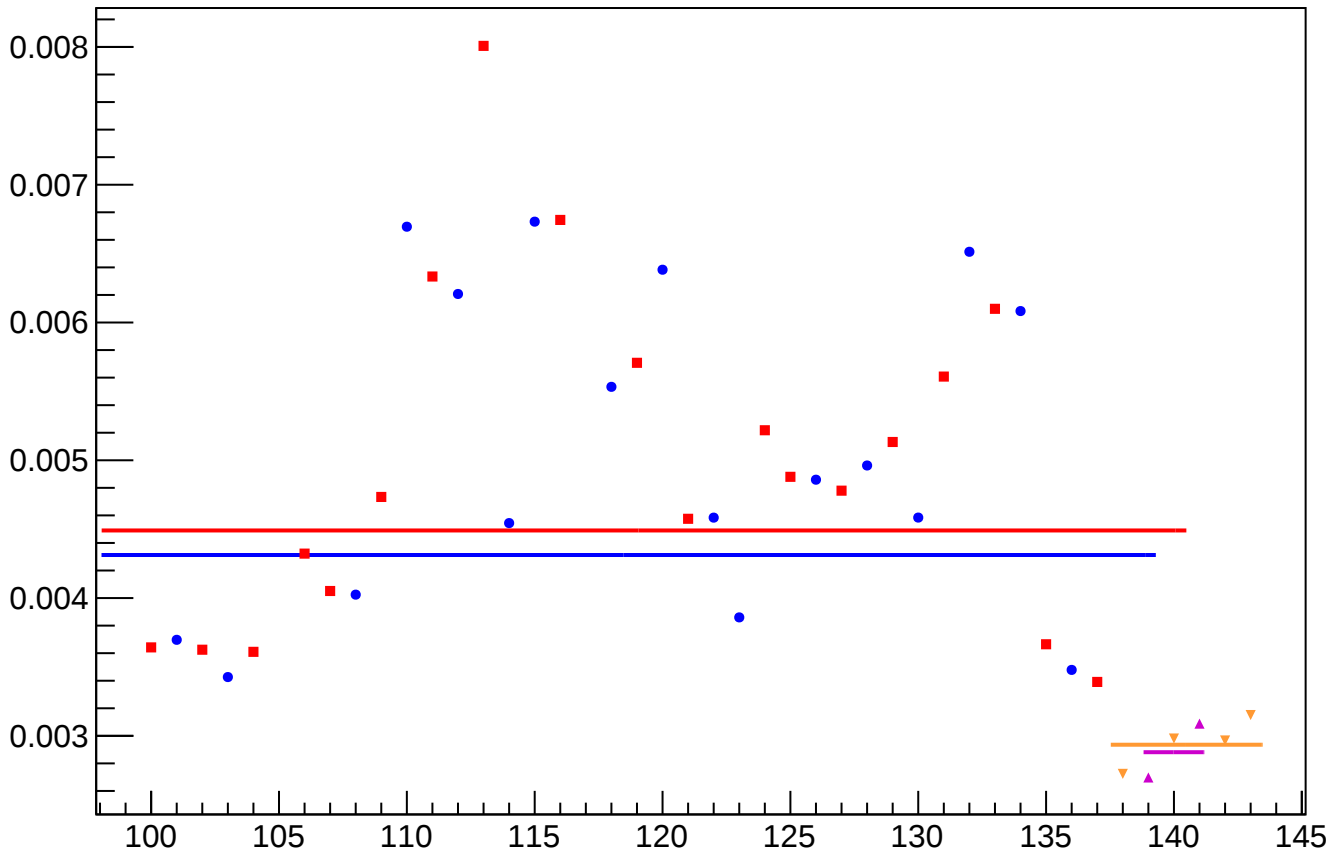
Left In: -0.250 ± 0.000 $\chi^2/\text{NDF}: 753976370.4/1$

+ sign -0.221 ± 0.000 $\chi^2/\text{NDF}: 15486967141.8/20$

All: -0.207 ± 0.000 $\chi^2/\text{NDF}: 28483105631.7$

- sign -0.190 ± 0.000 $\chi^2/\text{NDF}: 12749841604.1/20$

yield_bpm0l08Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 618348.9/16

Left Out: 0.003+/-0.000 χ^2/NDF :15157.3/3

Right Out: 0.004+/-0.000 χ^2/NDF : 639258.5/18

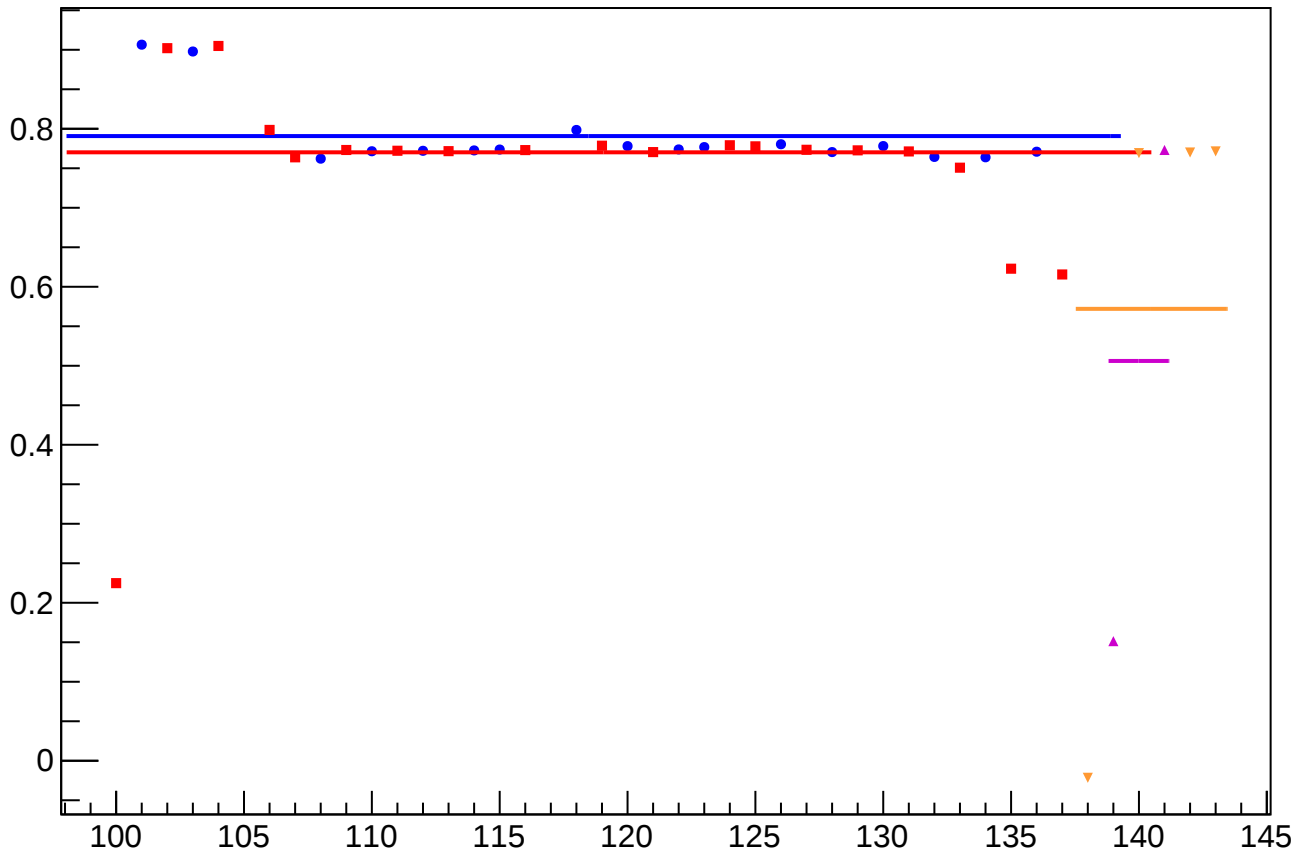
Left In: 0.003+/-0.000 χ^2/NDF :13040.7/1

+ sign 0.004+/-0.000 χ^2/NDF : 1196770.7/20

All: 0.004+/-0.000 χ^2/NDF : 2455348.7/41

- sign 0.004+/-0.000 χ^2/NDF : 1222734.8/20

yield_bpm0l09X_mean vs Slug



Right In: 0.791 $\pm$ 0.000 χ^2 /NDF: 106680493.2/16

Left Out: 0.572 $\pm$ 0.000 χ^2 /NDF: 2073855036.1/3

Right Out: 0.770 $\pm$ 0.000 χ^2 /NDF: 375430167.7/18

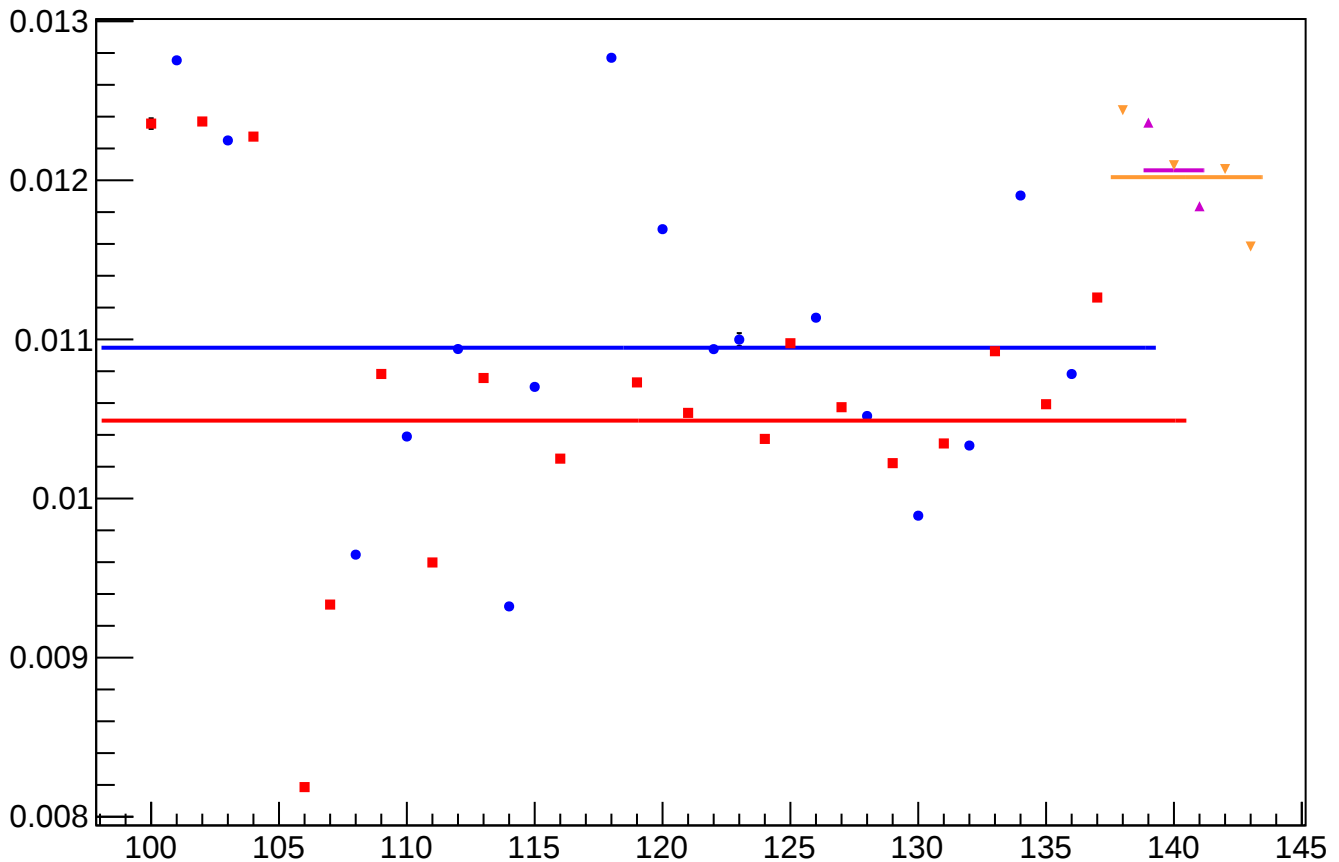
Left In: 0.506 $\pm$ 0.000 χ^2 /NDF: 951351657.8/1

+ sign 0.737 $\pm$ 0.000 χ^2 /NDF: 2814964750.0/20

All: 0.735 $\pm$ 0.000 χ^2 /NDF: 4745547749.5/41

- sign 0.734 $\pm$ 0.000 χ^2 /NDF: 1930262982.6/20

yield_bpm0l09X_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 98019.2/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3700.7/3

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 119502.0/18

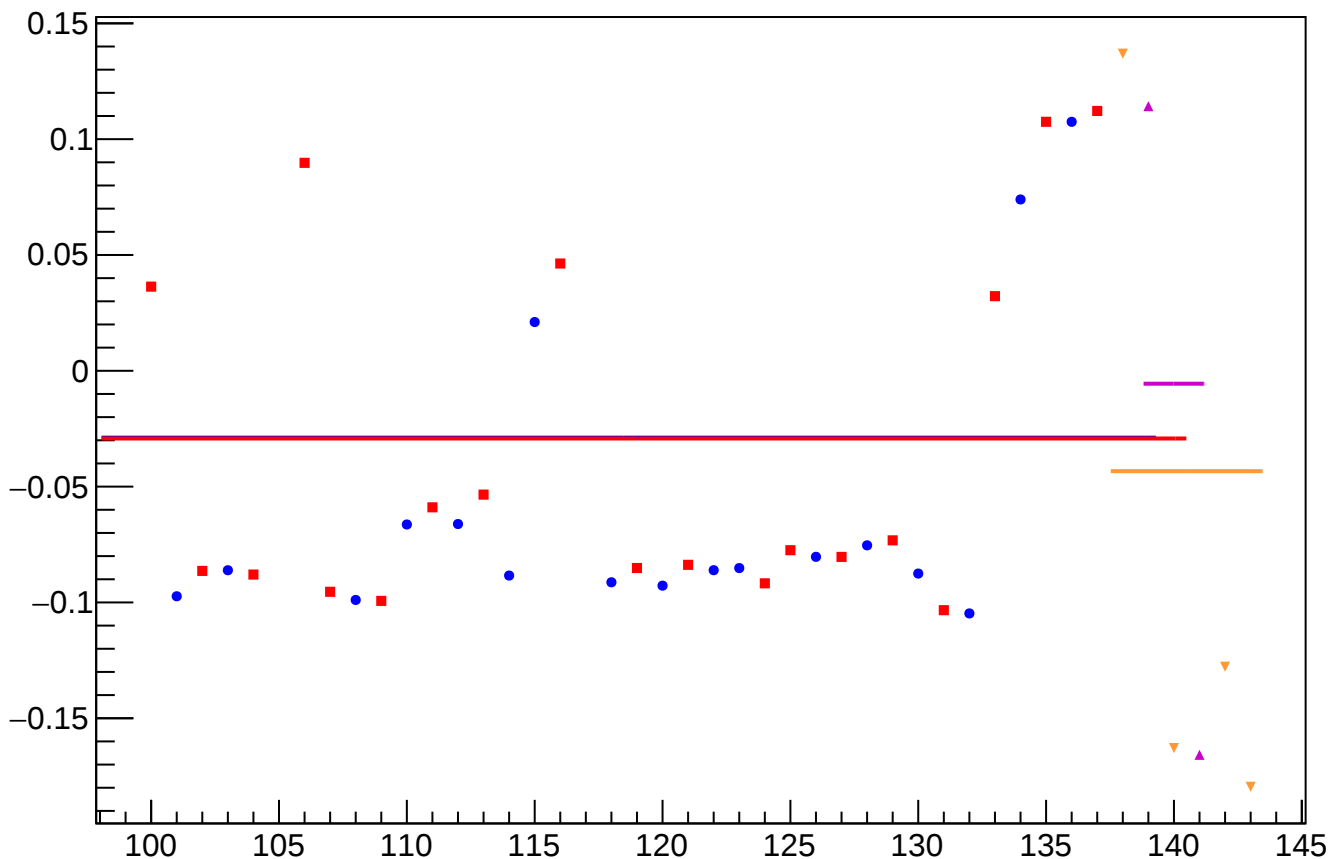
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:1359.3/1

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 132202.6/20

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 314256.4/41

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 163678.7/20

yield_bpm0l09Y_mean vs Slug



Right In: -0.029+/-0.000 χ^2/NDF : 2444911330.9/16

Left Out: -0.043+/-0.000 χ^2/NDF : 4410504535.7/3

+ sign -0.035+/-0.000 χ^2/NDF : 6881125009.7/20

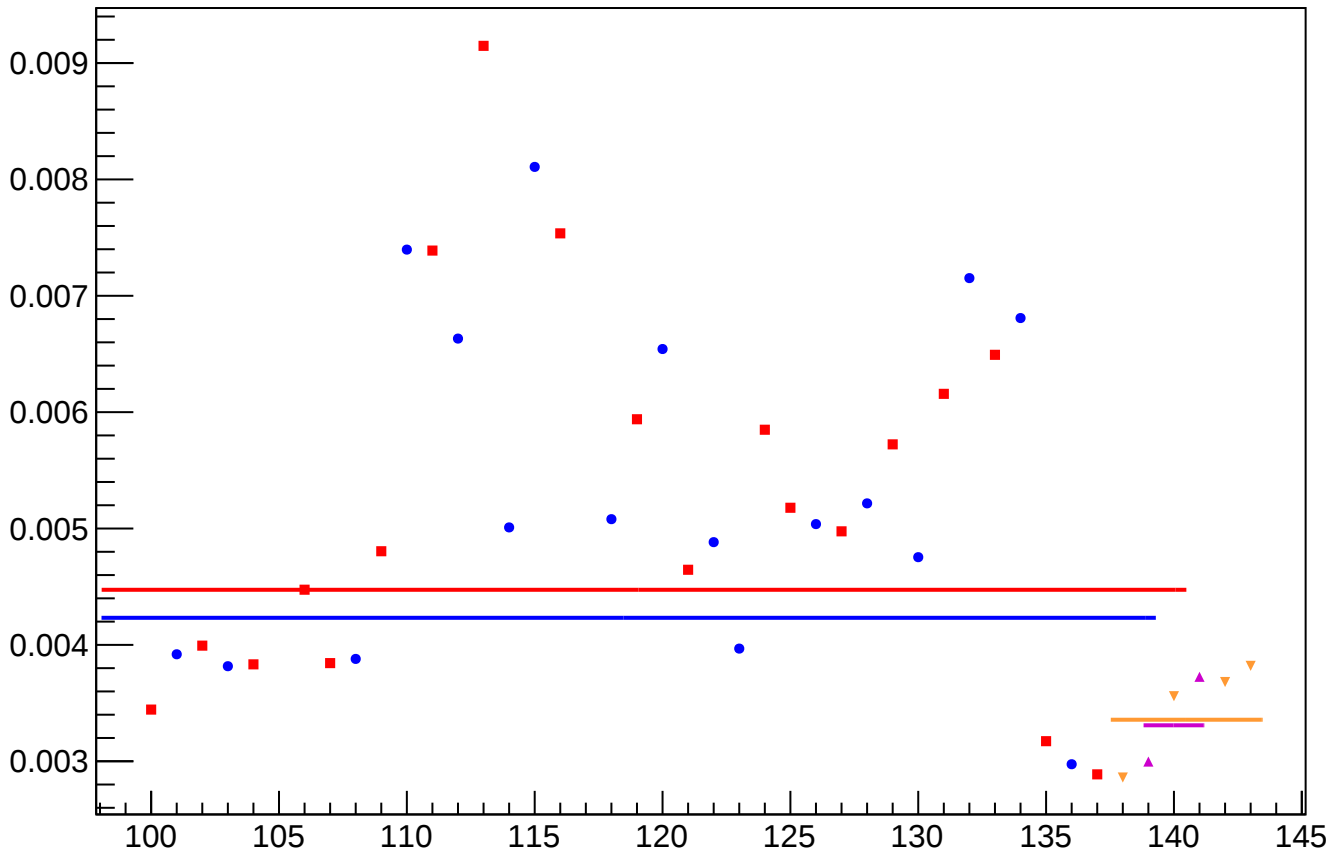
Right Out: -0.029+/-0.000 χ^2/NDF : 2120368017.0/18

All: -0.029+/-0.000 χ^2/NDF : 11483010967.2/1

- sign -0.022+/-0.000 χ^2/NDF : 4565597295.9/20

Left In: -0.006+/-0.000 χ^2/NDF : 2396353146.1/1

yield_bpm0l09Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF : 877339.5/16

Left Out: 0.003+/-0.000 χ^2/NDF : 69482.6/3

Right Out: 0.004+/-0.000 χ^2/NDF : 969342.1/18

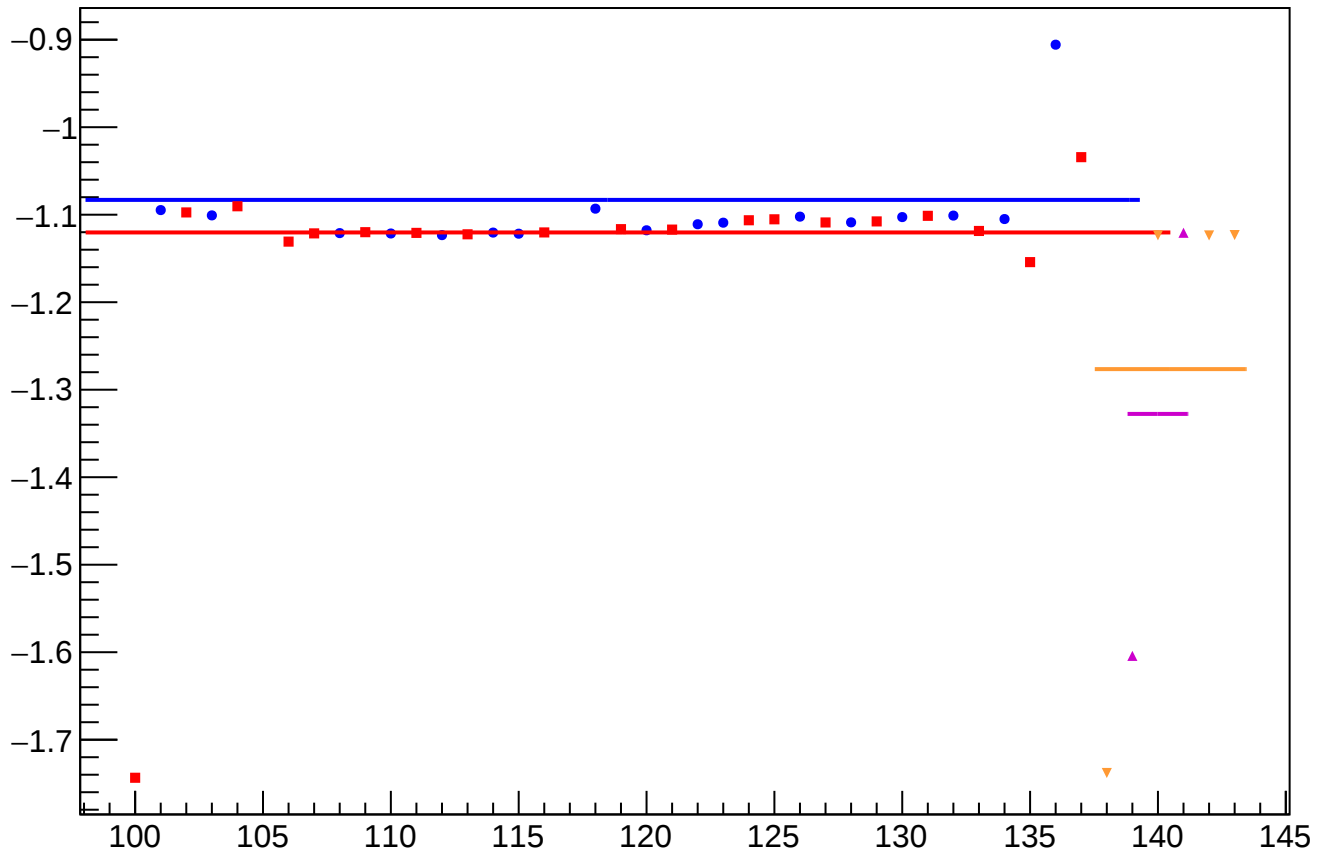
Left In: 0.003+/-0.000 χ^2/NDF : 32433.0/1

+ sign 0.004+/-0.000 χ^2/NDF : 1135360.6/20

All: 0.004+/-0.000 χ^2/NDF : 2401834.9/41

- sign 0.004+/-0.000 χ^2/NDF : 1238845.1/20

yield_bpm0l10X_mean vs Slug



Right In: -1.083 ± 0.000 $\chi^2/\text{NDF}: 202851874.4/16$

Left Out: -1.276 ± 0.000 $\chi^2/\text{NDF}: 1563791495.2/3$

Right Out: -1.120 ± 0.000 $\chi^2/\text{NDF}: 220508408.4/18$

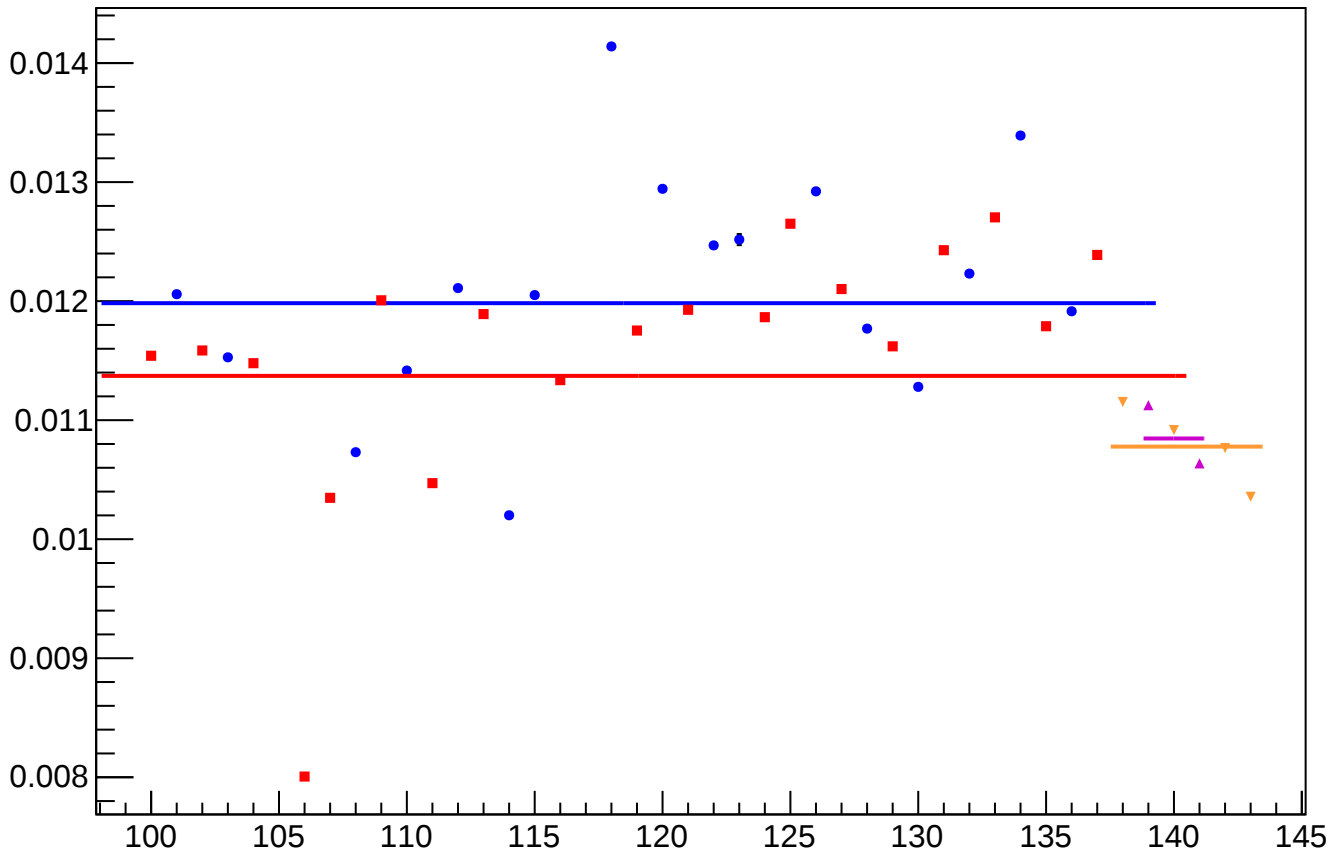
Left In: -1.328 ± 0.000 $\chi^2/\text{NDF}: 714730560.0/1$

+ sign -1.147 ± 0.000 $\chi^2/\text{NDF}: 2320329367.6/20$

All: -1.153 ± 0.000 $\chi^2/\text{NDF}: 3695200824.1/4$

- sign -1.160 ± 0.000 $\chi^2/\text{NDF}: 1369466492.0/20$

yield_bpm0l10X_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 58835.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:4230.0/3

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 152861.8/18

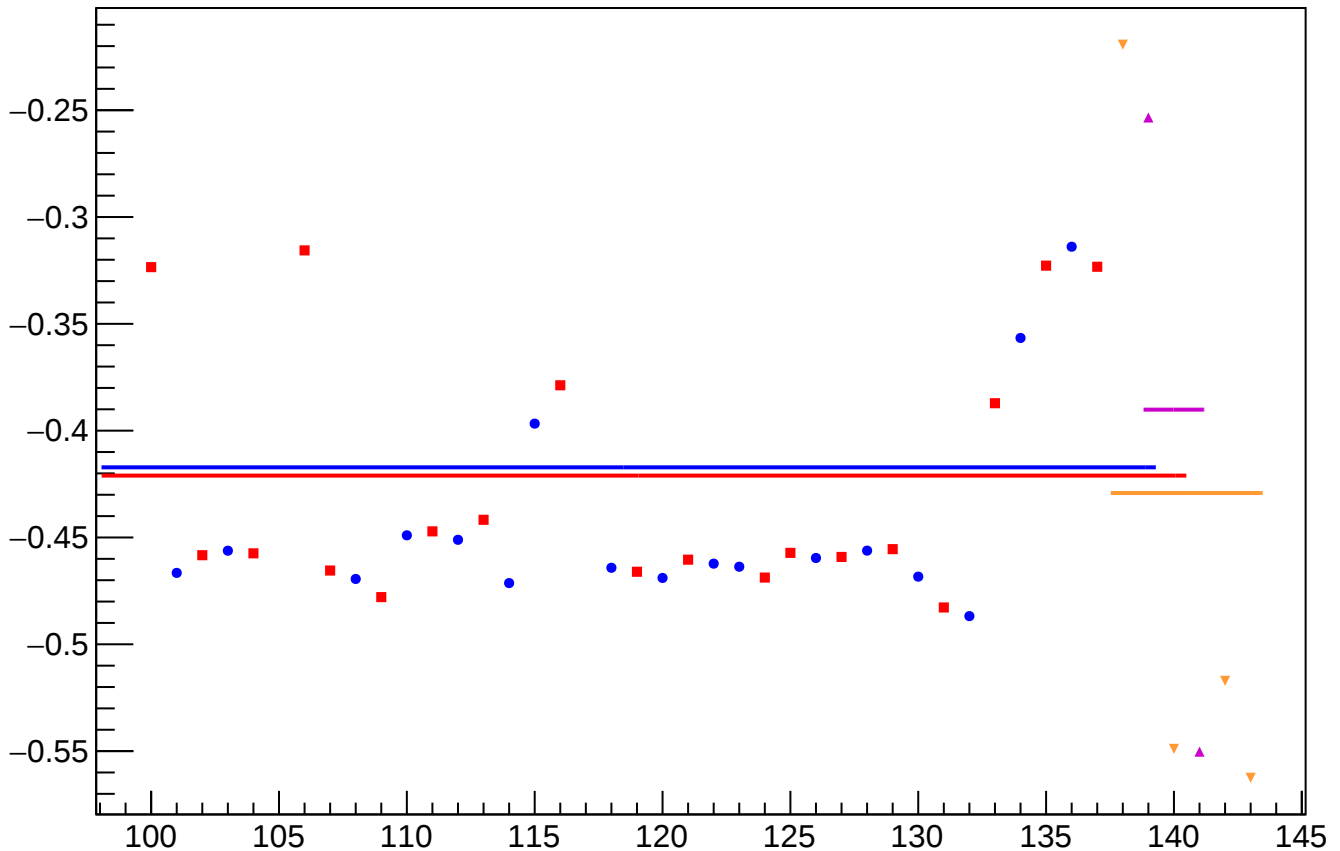
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:1459.1/1

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 106067.7/20

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 272405.0/41

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 159905.7/20

yield_bpm0l10Y_mean vs Slug



Right In: -0.417+/-0.000 χ^2/NDF : 2038520950.9/16

Left Out: -0.429+/-0.000 χ^2/NDF : 4201420794.3/3

Right Out: -0.421+/-0.000 χ^2/NDF : 1654624022.3/18

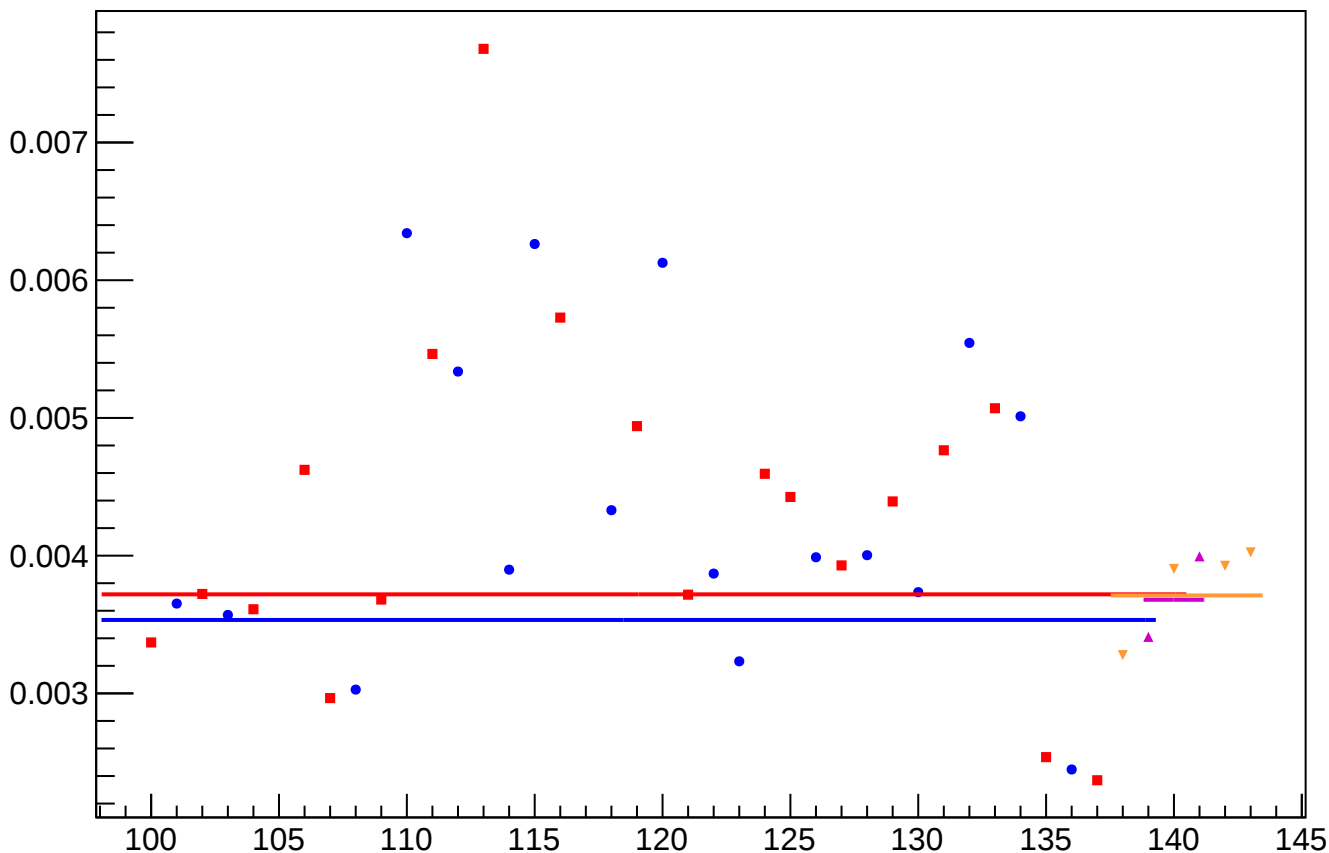
Left In: -0.390+/-0.000 χ^2/NDF : 2206489651.8/1

+ sign -0.421+/-0.000 χ^2/NDF : 6257557318.5/20

All: -0.418+/-0.000 χ^2/NDF : 10204531384.5/40

- sign -0.415+/-0.000 χ^2/NDF : 3938651966.0/20

yield_bpm0l10Y_rms vs Slug



Right In: 0.004 $\pm$ 0.000 χ^2 /NDF: 831496.7/16

Left Out: 0.004 $\pm$ 0.000 χ^2 /NDF:36233.3/3

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 884778.0/18

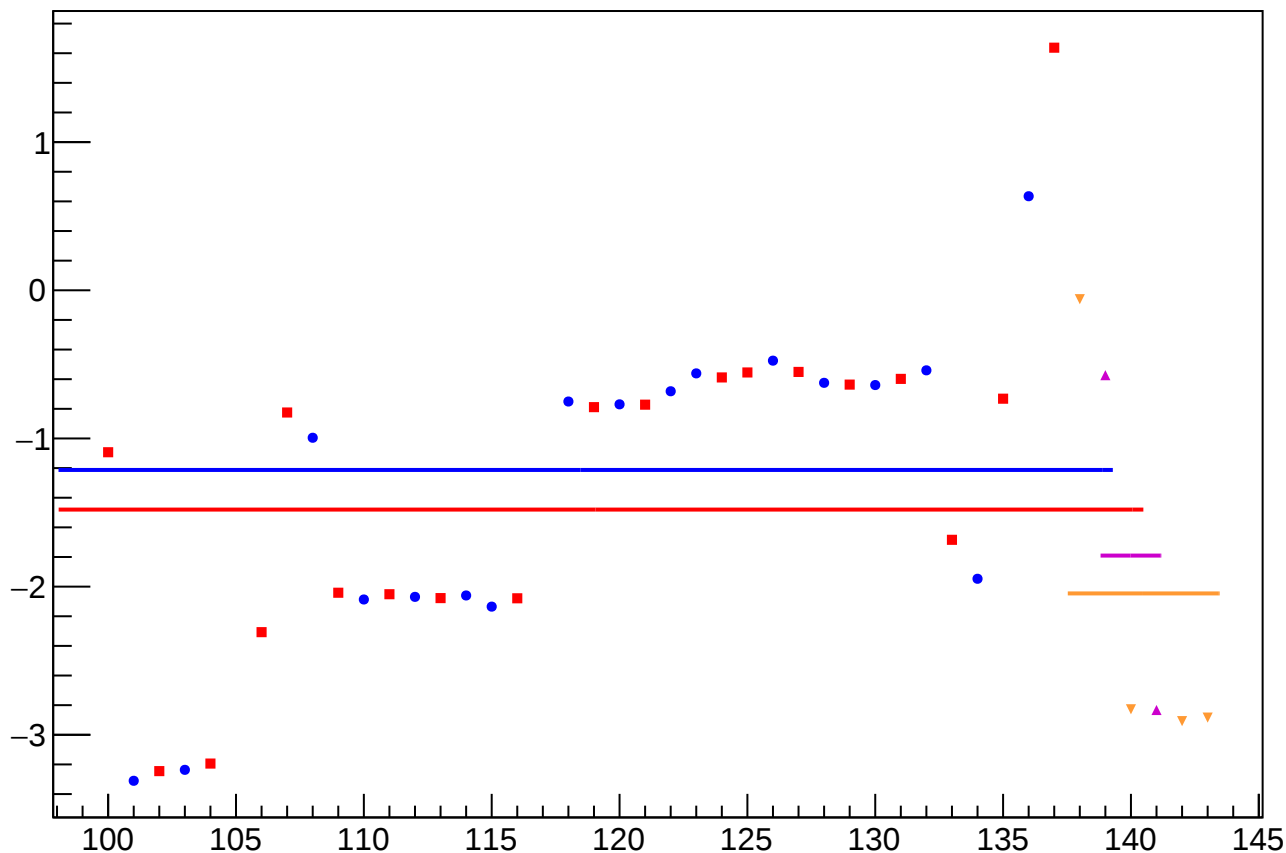
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:17109.4/1

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 875452.3/20

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 1786837.8/41

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 902140.5/20

yield_bpm0r03X_mean vs Slug



Right In: -1.213+/-0.000 χ^2/NDF : 1991015908.7/16

Left Out: -2.046+/-0.000 χ^2/NDF : 791968552.3/3

Right Out: -1.480+/-0.000 χ^2/NDF : 1576057924.8/18

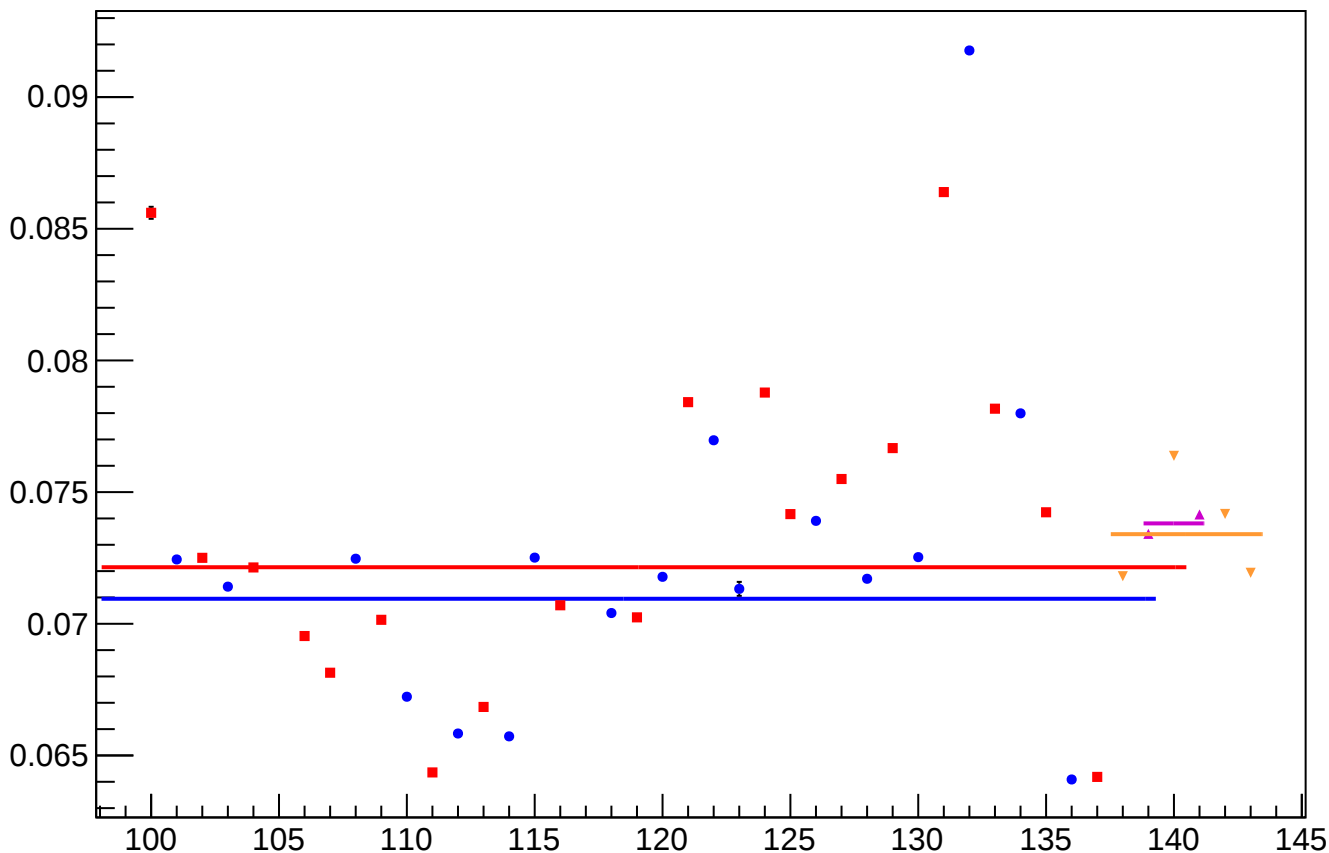
Left In: -1.790+/-0.000 χ^2/NDF : 346153377.3/1

+ sign -1.439+/-0.000 χ^2/NDF : 3028241975.1/20

All: -1.483+/-0.000 χ^2/NDF : 4979755201.3/4

- sign -1.533+/-0.000 χ^2/NDF : 1944043992.7/20

yield_bpm0r03X_rms vs Slug



Right In: 0.071 ± 0.000 χ^2/NDF : 77148.7/16

Left Out: 0.073 ± 0.000 χ^2/NDF : 3670.8/3

Right Out: 0.072 ± 0.000 χ^2/NDF : 69021.6/18

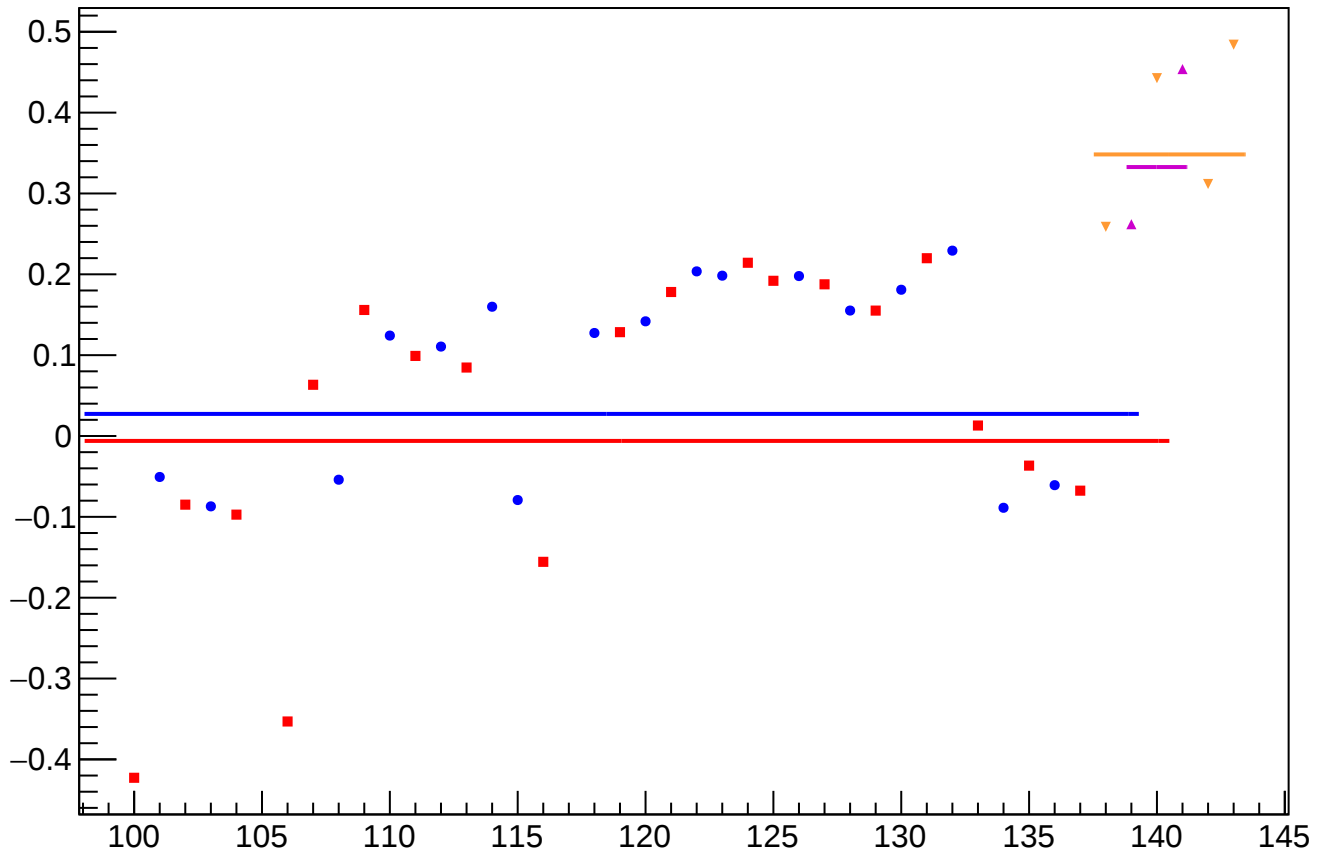
Left In: 0.074 ± 0.000 χ^2/NDF : 73.4/1

+ sign 0.072 ± 0.000 χ^2/NDF : 85071.3/20

All: 0.072 ± 0.000 χ^2/NDF : 156542.4/41

- sign 0.072 ± 0.000 χ^2/NDF : 70349.7/20

yield_bpm0r03Y_mean vs Slug



Right In: 0.027 $\pm$ 0.000 χ^2 /NDF: 562065478.3/16

Left Out: 0.348 $\pm$ 0.000 χ^2 /NDF: 356309616.7/3

Right Out: -0.006 $\pm$ 0.000 χ^2 /NDF: 1205303430.4/18

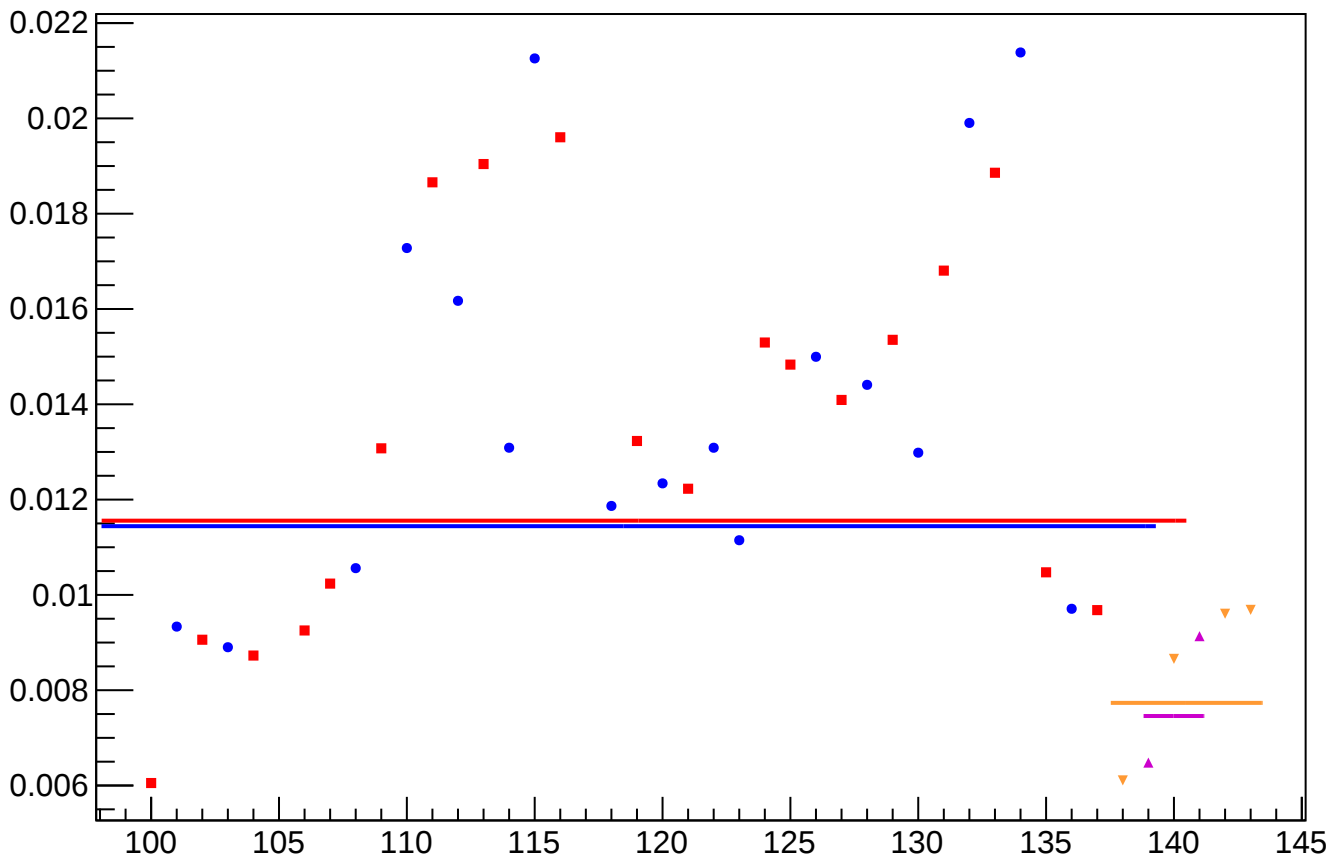
Left In: 0.333 $\pm$ 0.000 χ^2 /NDF: 207086680.0/1

+ sign 0.177 $\pm$ 0.000 χ^2 /NDF: 3014367007.7/20

All: 0.148 $\pm$ 0.000 χ^2 /NDF: 6370027176.8/41

- sign 0.113 $\pm$ 0.000 χ^2 /NDF: 3207277544.4/20

yield_bpm0r03Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF : 673738.1/16

Left Out: 0.008+/-0.000 χ^2/NDF :192394.5/3

Right Out: 0.012+/-0.000 χ^2/NDF : 979298.5/18

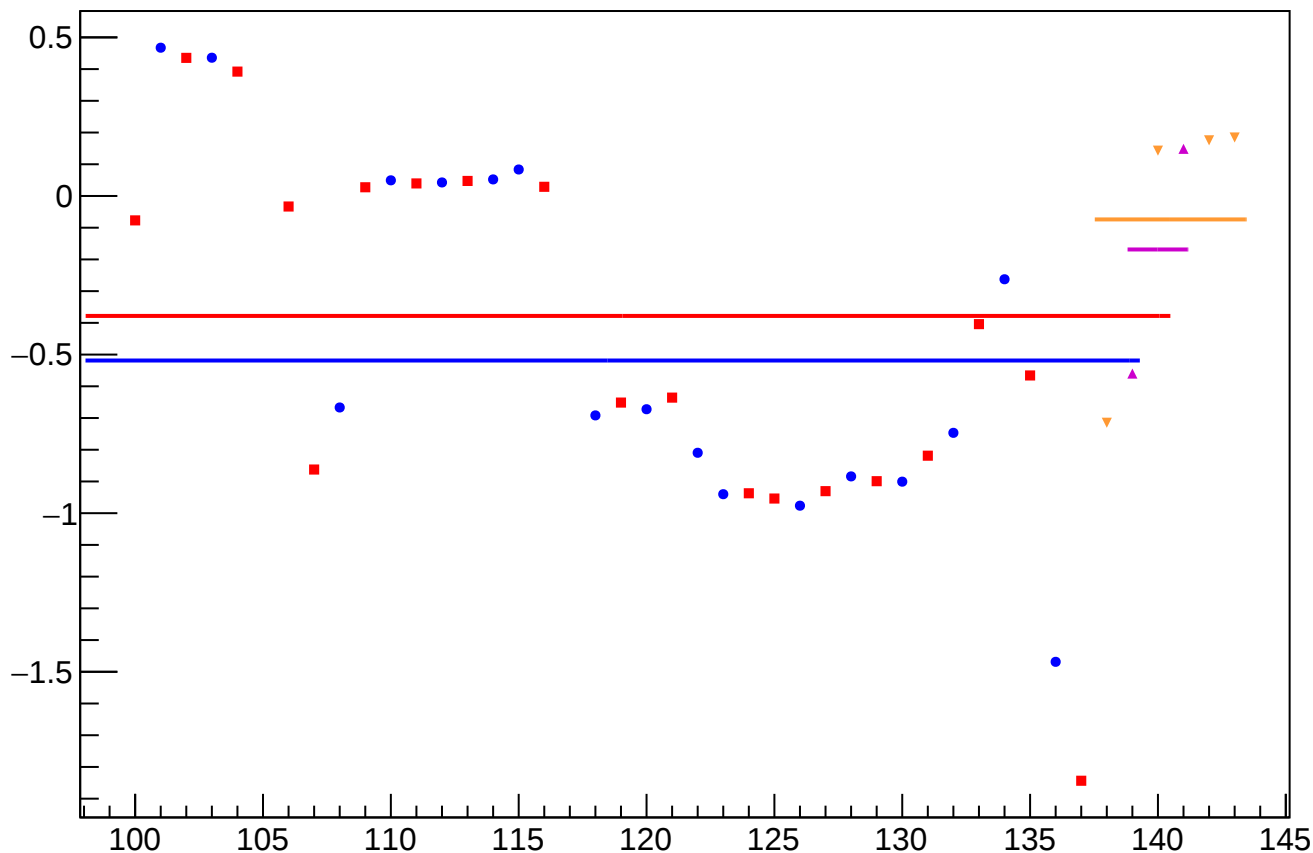
Left In: 0.007+/-0.000 χ^2/NDF :79166.9/1

+ sign 0.010+/-0.000 χ^2/NDF : 1425569.7/20

All: 0.010+/-0.000 χ^2/NDF : 3021234.0/41

- sign 0.010+/-0.000 χ^2/NDF : 1584141.5/20

yield_bpm0r05X_mean vs Slug



Right In: -0.519 ± 0.000 $\chi^2/\text{NDF}: 338707442.0/16$

Left Out: -0.074 ± 0.000 $\chi^2/\text{NDF}: 58402663.0/3$

Right Out: -0.378 ± 0.000 $\chi^2/\text{NDF}: 267921889.8/18$

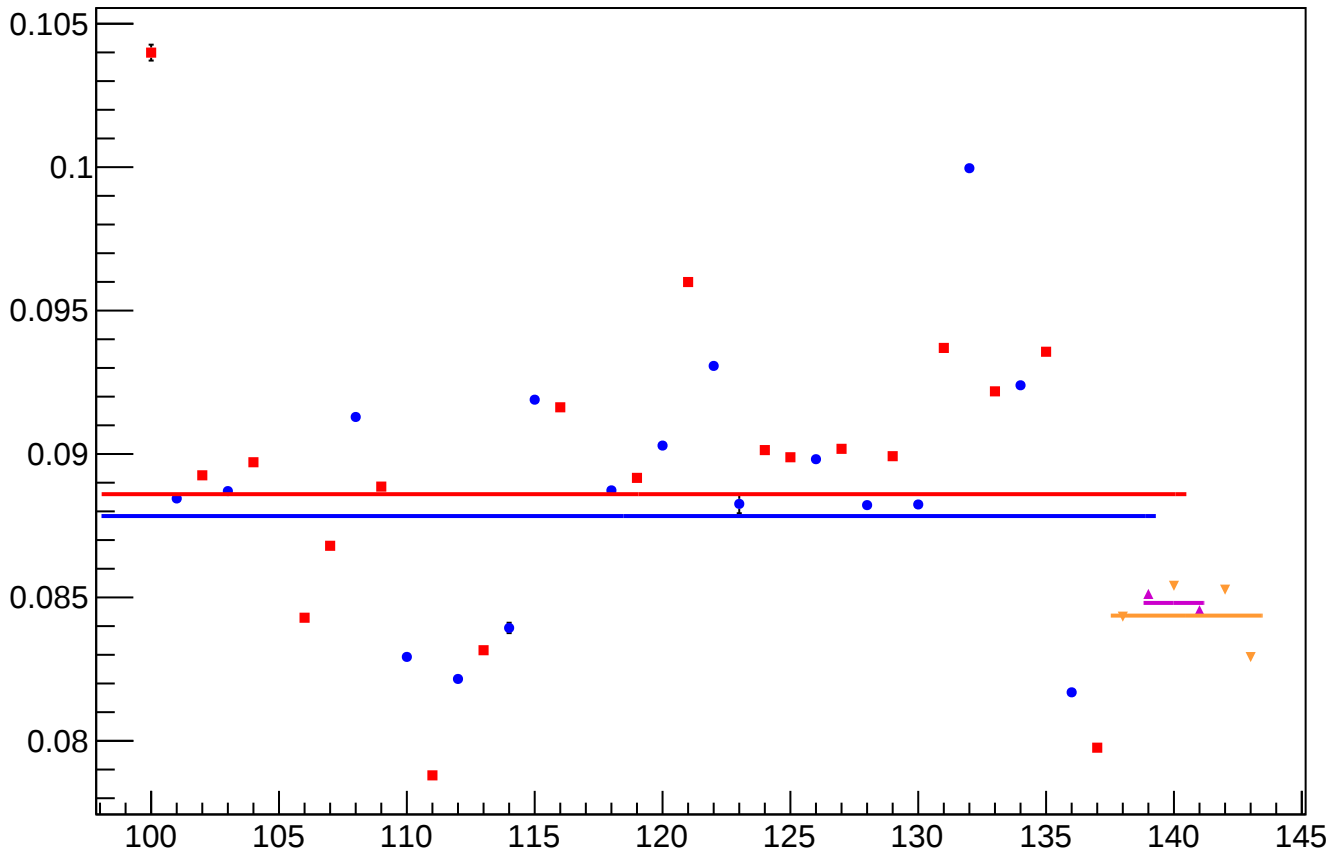
Left In: -0.169 ± 0.000 $\chi^2/\text{NDF}: 26014247.2/1$

+ sign -0.383 ± 0.000 $\chi^2/\text{NDF}: 449164135.8/20$

All: -0.362 ± 0.000 $\chi^2/\text{NDF}: 751724354.2/41$

- sign -0.339 ± 0.000 $\chi^2/\text{NDF}: 301395246.2/20$

yield_bpm0r05X_rms vs Slug



Right In: 0.088 $\pm$ 0.000 χ^2 /NDF: 34872.1/16

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF: 787.3/3

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 38932.4/18

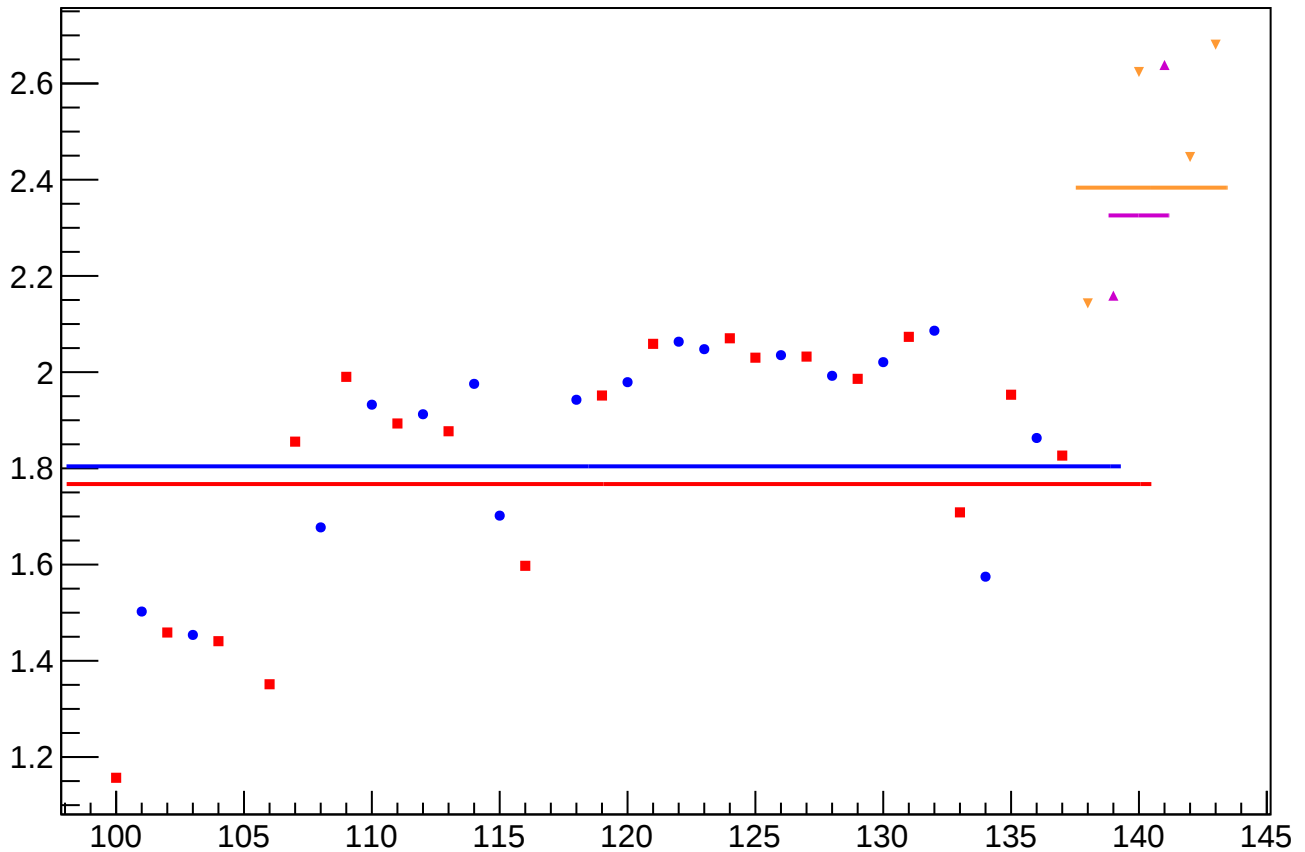
Left In: 0.085 $\pm$ 0.000 χ^2 /NDF: 33.5/1

+ sign 0.087 $\pm$ 0.000 χ^2 /NDF: 41997.5/20

All: 0.087 $\pm$ 0.000 χ^2 /NDF: 87281.1/41

- sign 0.088 $\pm$ 0.000 χ^2 /NDF: 43852.8/20

yield_bpm0r05Y_mean vs Slug



Right In: 1.804 $\pm$ 0.000 χ^2 /NDF: 1156038618.5/16

Left Out: 2.383 $\pm$ 0.000 χ^2 /NDF: 1212079548.0/3

+ sign 2.065 $\pm$ 0.000 χ^2 /NDF: 6265959001.2/20

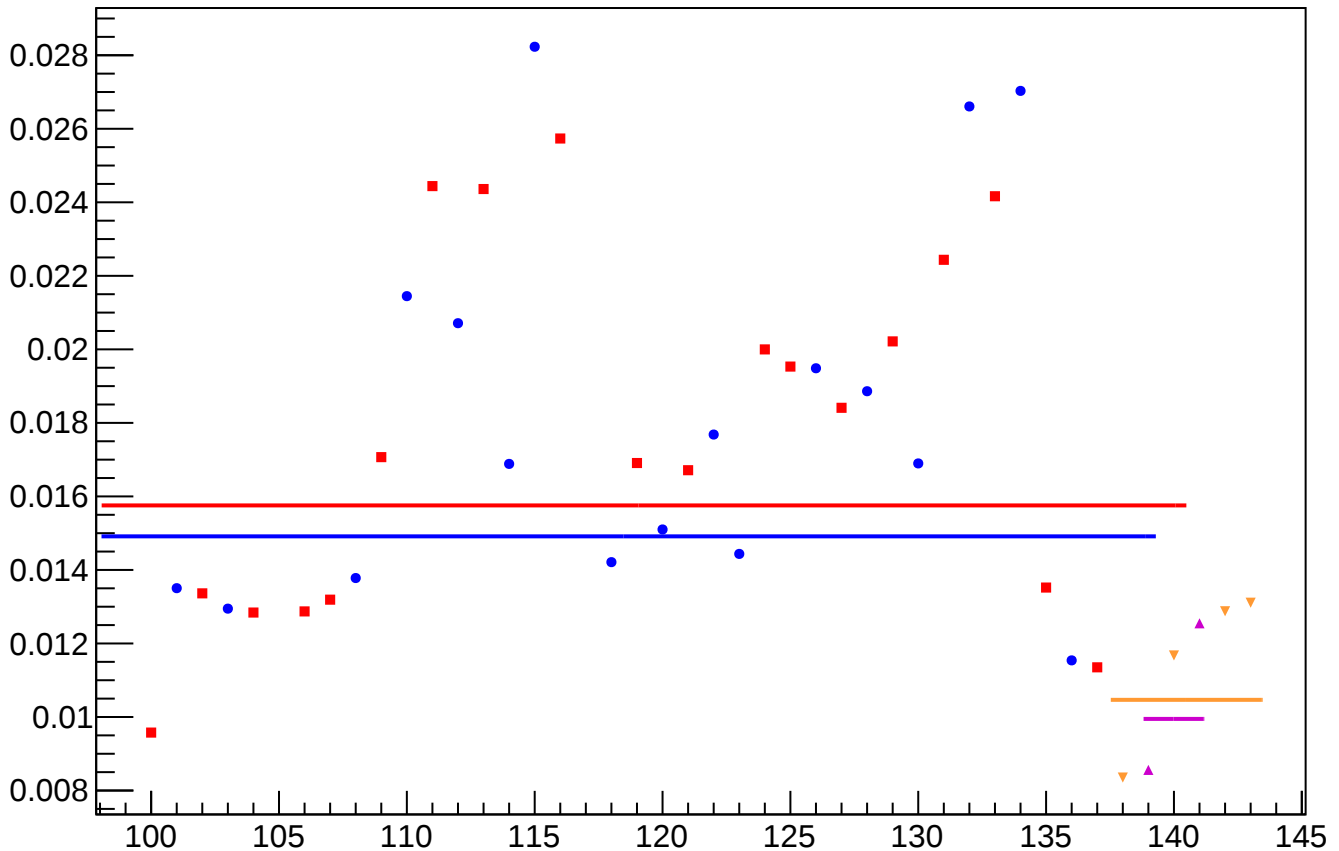
Right Out: 1.767 $\pm$ 0.000 χ^2 /NDF: 1715728859.6/18

All: 2.022 $\pm$ 0.000 χ^2 /NDF: 11608207699.5/4

- sign 1.968 $\pm$ 0.000 χ^2 /NDF: 5144513417.4/20

Left In: 2.326 $\pm$ 0.000 χ^2 /NDF: 709960115.0/1

yield_bpm0r05Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 638037.3/16

Left Out: 0.010+/-0.000 χ^2/NDF :184572.0/3

Right Out: 0.016+/-0.000 χ^2/NDF : 770357.5/18

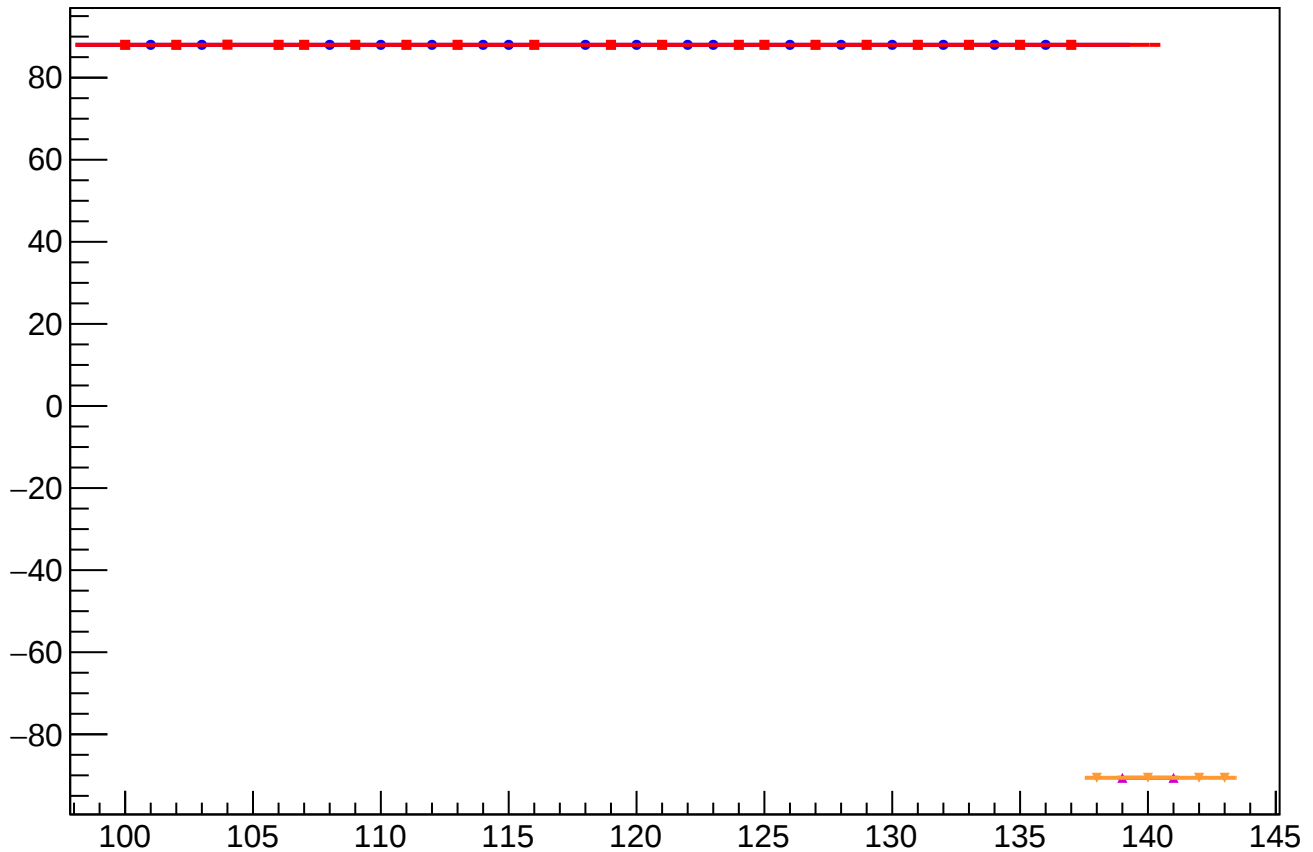
Left In: 0.010+/-0.000 χ^2/NDF :98187.0/1

+ sign 0.013+/-0.000 χ^2/NDF : 1282033.6/20

All: 0.013+/-0.000 χ^2/NDF : 2762793.0/41

- sign 0.014+/-0.000 χ^2/NDF : 1456692.8/20

epics_VWienAngles_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF : 1547328.6/16

Left Out: -90.599+/-0.000 χ^2/NDF : 2013021.6/3

Right Out: 88.004+/-0.000 χ^2/NDF : 77529520773816998986447323136.0/18

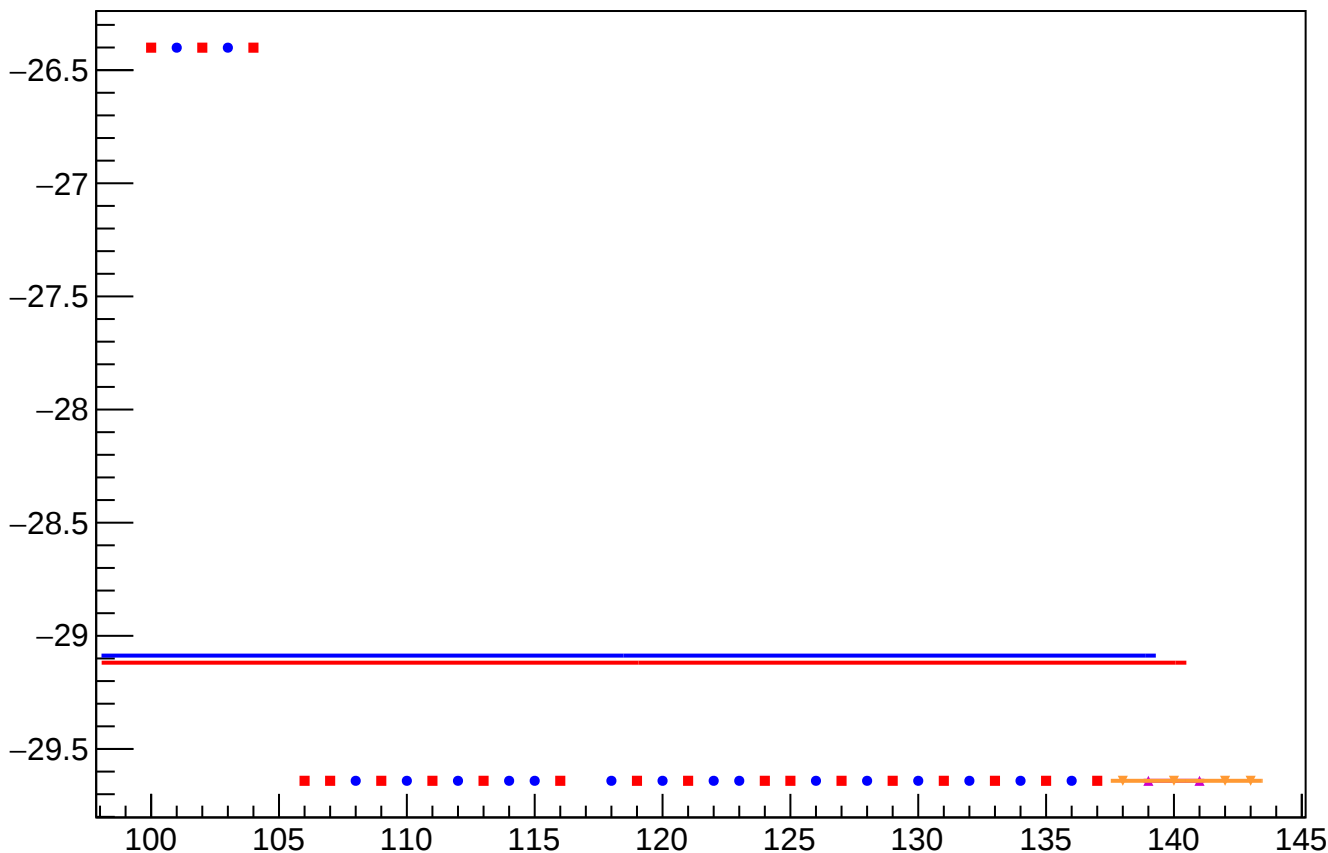
Left In: -90.599+/-0.000 χ^2/NDF : 497600.8/1

+ sign 35.978+/-0.000 χ^2/NDF : 6420290525374354

All: 45.694+/-0.000 χ^2/NDF : 1066189093386

- sign 56.533+/-0.000 χ^2/NDF : 4046864244239873

epics_HWienAngles_mean vs Slug



Right In: -29.087+/-0.000 χ^2/NDF : 1027184842836480355028877627621376.0/16

Left Out: -29.641+/-0.000 χ^2/NDF :132553.9/3

Right Out: -29.119+/-0.000 χ^2/NDF : 1021533120000008474668992382894080.0/18

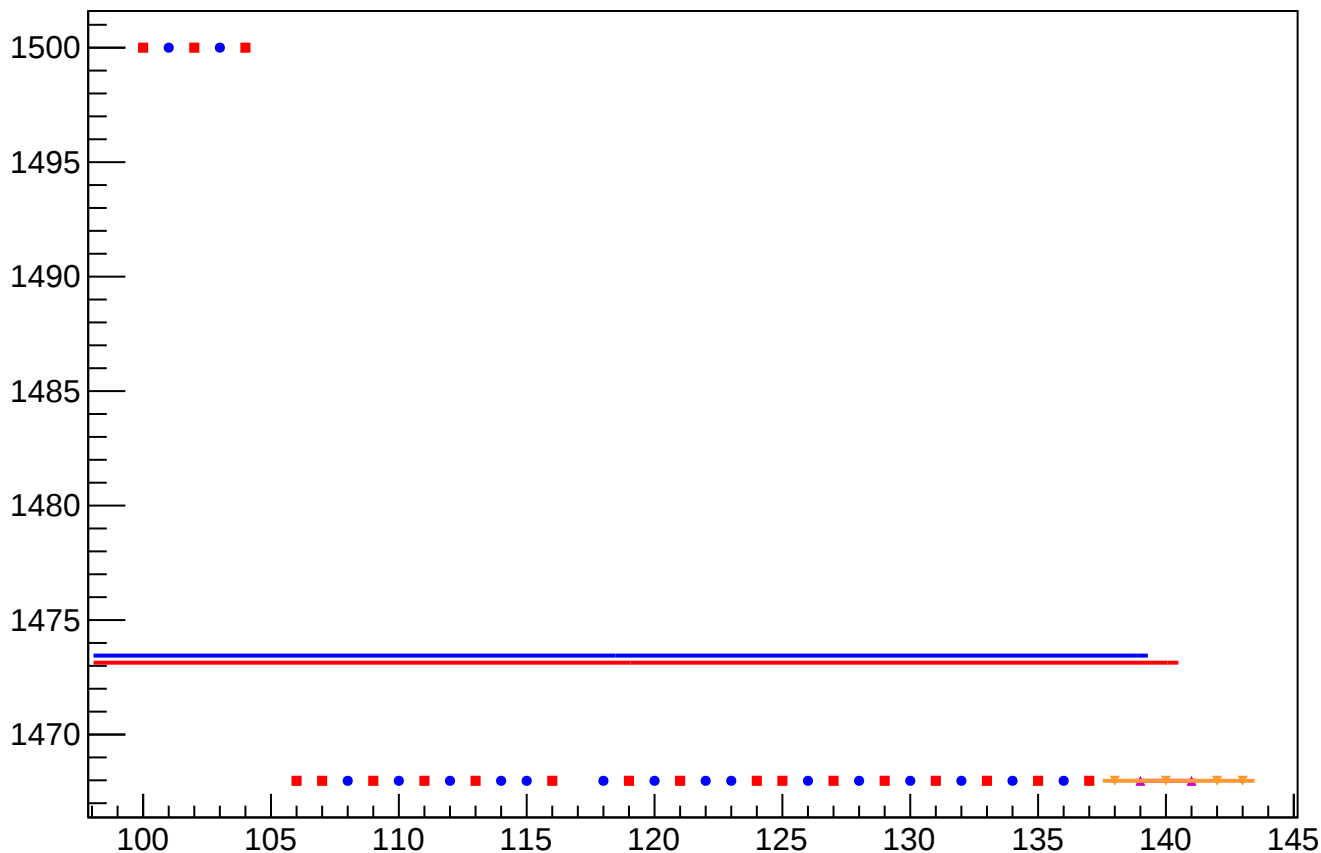
Left In: -29.641+/-0.000 χ^2/NDF :22845.4/1

+ sign -29.249+/-0.000 χ^2/NDF : 108880030523077

All: -29.231+/-0.000 χ^2/NDF : 214556409734

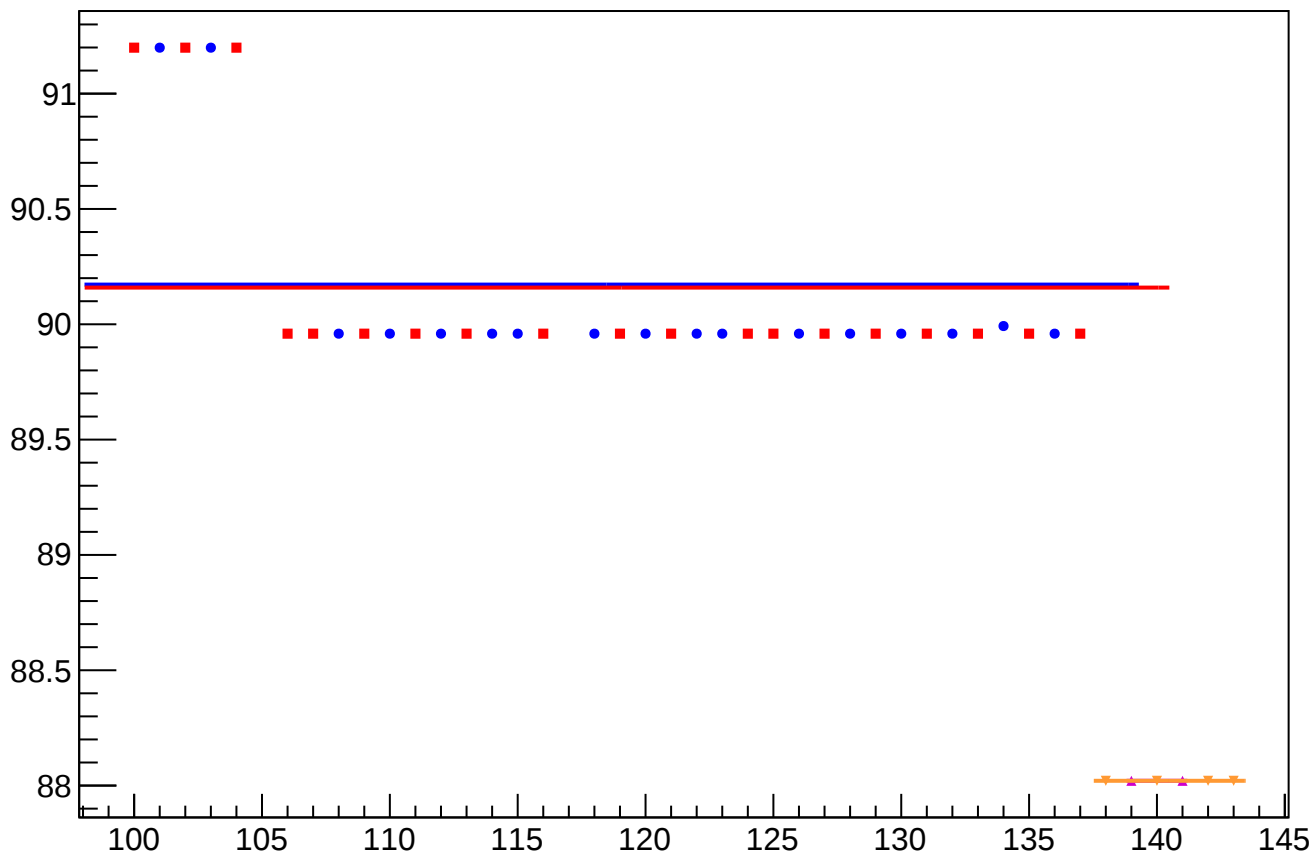
- sign -29.211+/-0.000 χ^2/NDF : 1056101799542333

epics_psub_pl_poss_mean vs Slug



Right In: 1473.447+/-0.000 χ^2/NDF : 100331979974804513534478923851628544.0/16
 Left Out: 1467.979+/-0.000 χ^2/NDF : 122112537.9/3
 Right Out: 1473.138+/-0.000 χ^2/NDF : 99779938590622337721401930749575168.0/18
 Left In: 1467.979+/-0.000 χ^2/NDF : 31846453.6/1
 All: 1472.032+/-0.000 χ^2/NDF : 20957152507
 + sign 1471.855+/-0.000 χ^2/NDF : 10635037226534
 - sign 1472.229+/-0.000 χ^2/NDF : 10315649159156

epics_Phi_FGs_mean vs Slug



Right In: 90.172+/-0.000 χ^2/NDF : 150181697791974119042789817712640.0/16

Left Out: 88.021+/-0.000 χ^2/NDF : 1963342.3/3

Right Out: 90.159+/-0.000 χ^2/NDF : 149625564444474590335066871693312.0/18

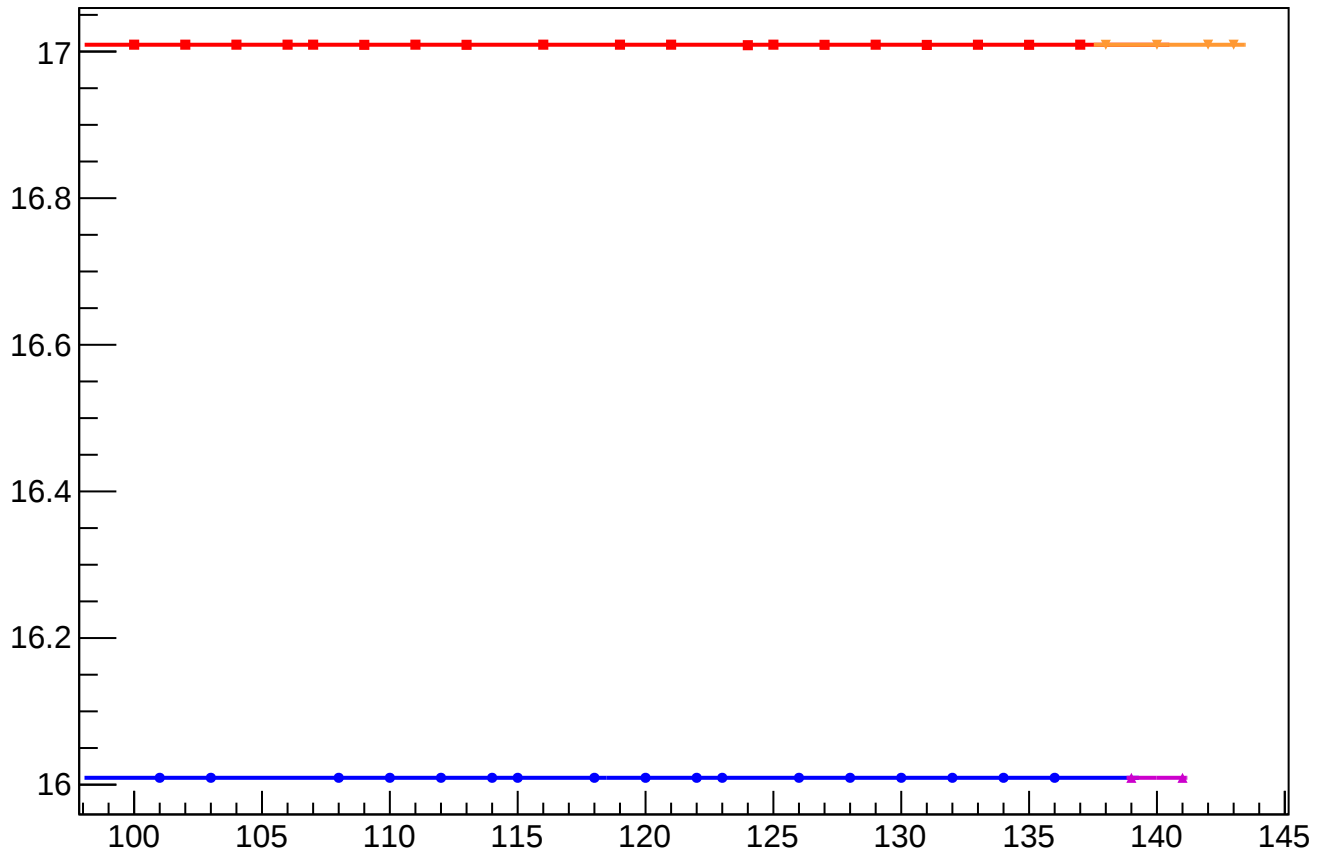
Left In: 88.021+/-0.000 χ^2/NDF : 502851.5/1

+ sign 89.545+/-0.000 χ^2/NDF : 1081747632374085

All: 89.657+/-0.000 χ^2/NDF : 1837342330483

- sign 89.782+/-0.000 χ^2/NDF : 7297325711322519

epics_IGL1I00DI24_24Ms_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 38900.3/16

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 1120275006658711465754624.0/3

Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 12507759350541157226512384.0/18

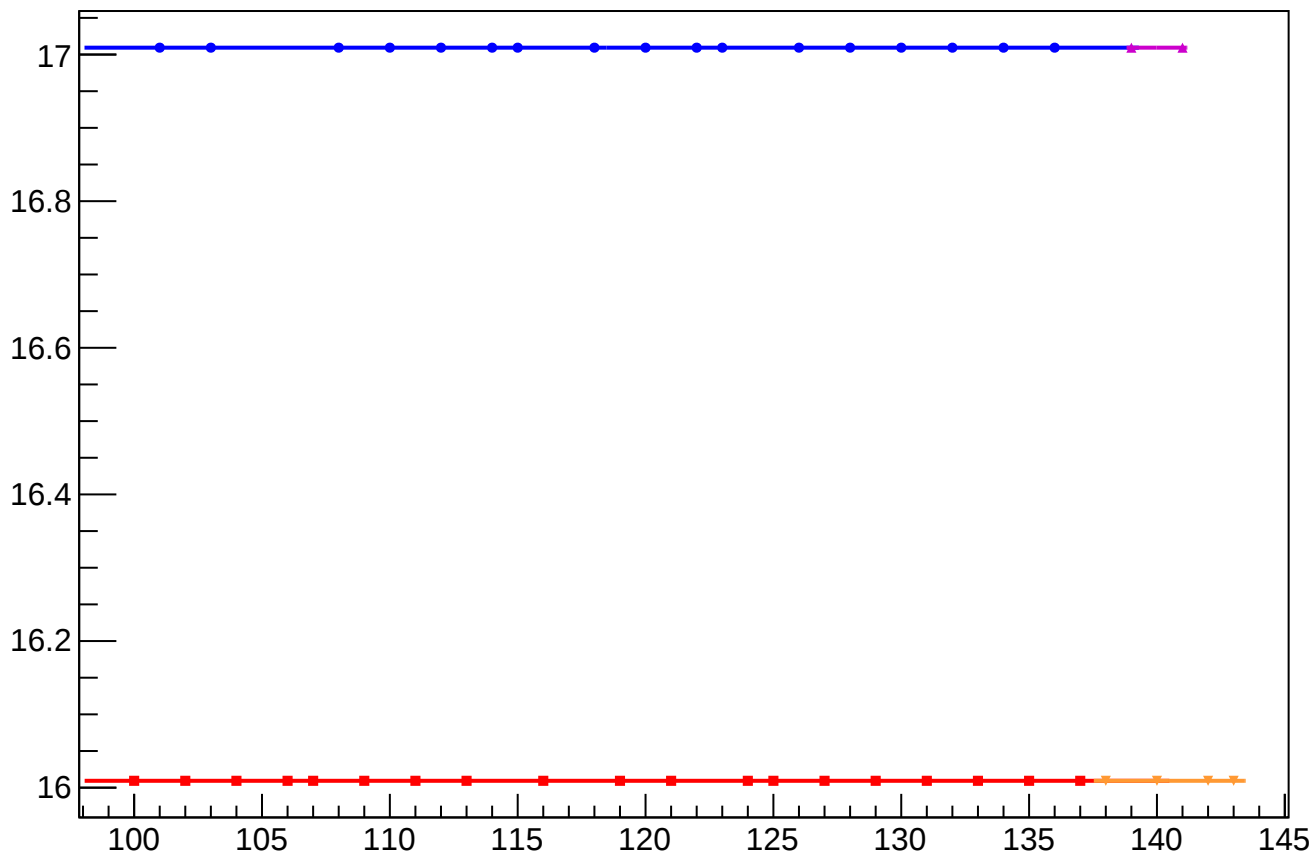
Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 870.9/1

+ sign 16.283 $\pm$ 0.000 χ^2 /NDF: 1801464997056739

All: 16.539 $\pm$ 0.000 χ^2 /NDF: 4233862991646

- sign 16.833 $\pm$ 0.000 χ^2 /NDF: 1152627814306166

epics_IGL1I00OD16_16s_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF : 119200.0/16

Left Out: 16.009+/-0.000 χ^2/NDF : 11258.6/3

Right Out: 16.009+/-0.000 χ^2/NDF : 39077.0/18

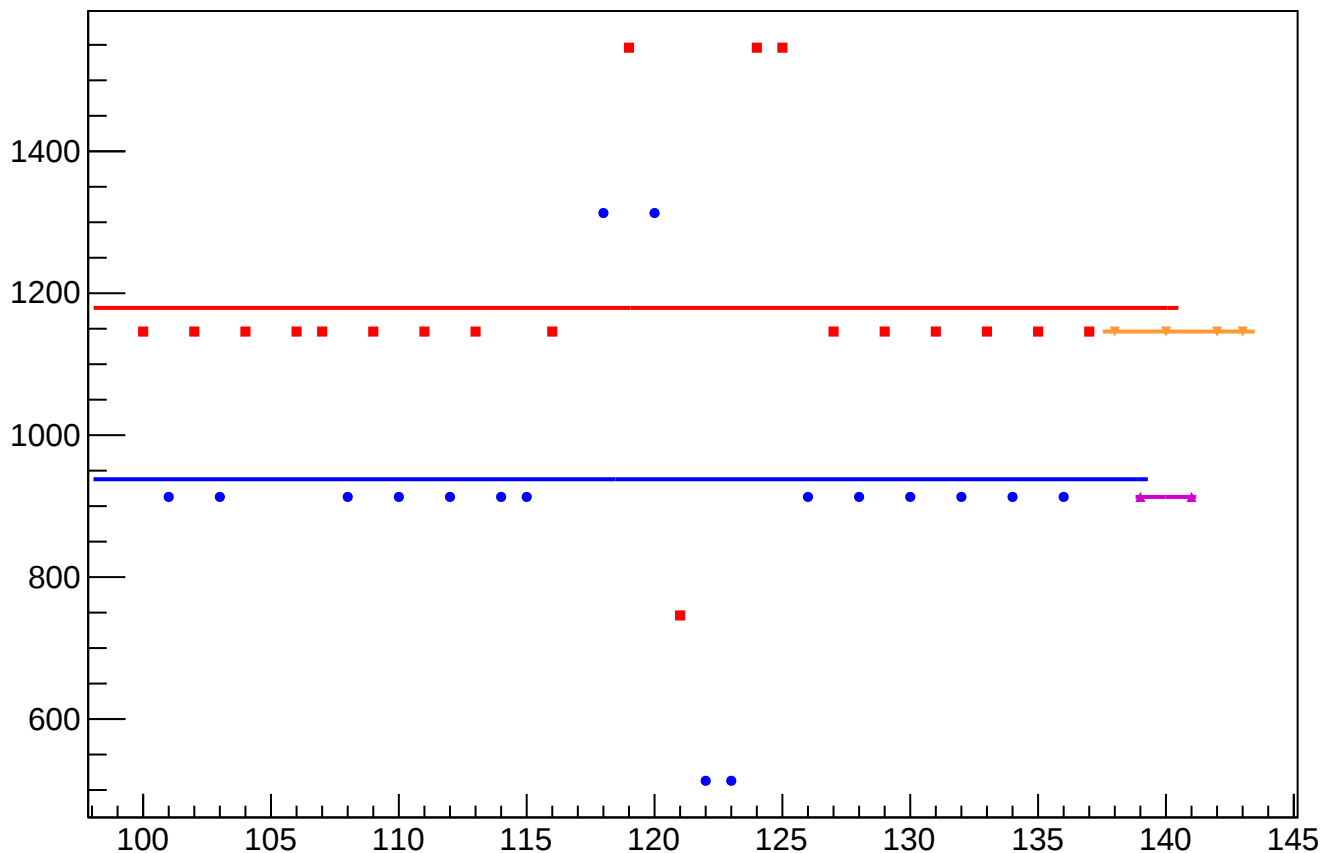
Left In: 17.009+/-0.000 χ^2/NDF : 5162.3/1

+ sign 16.708+/-0.000 χ^2/NDF : 1984687168610782

All: 16.459+/-0.000 χ^2/NDF : 4478237569060

- sign 16.187+/-0.000 χ^2/NDF : 1266459054209817

epics_RTPAPOSUCNTs_mean vs Slug



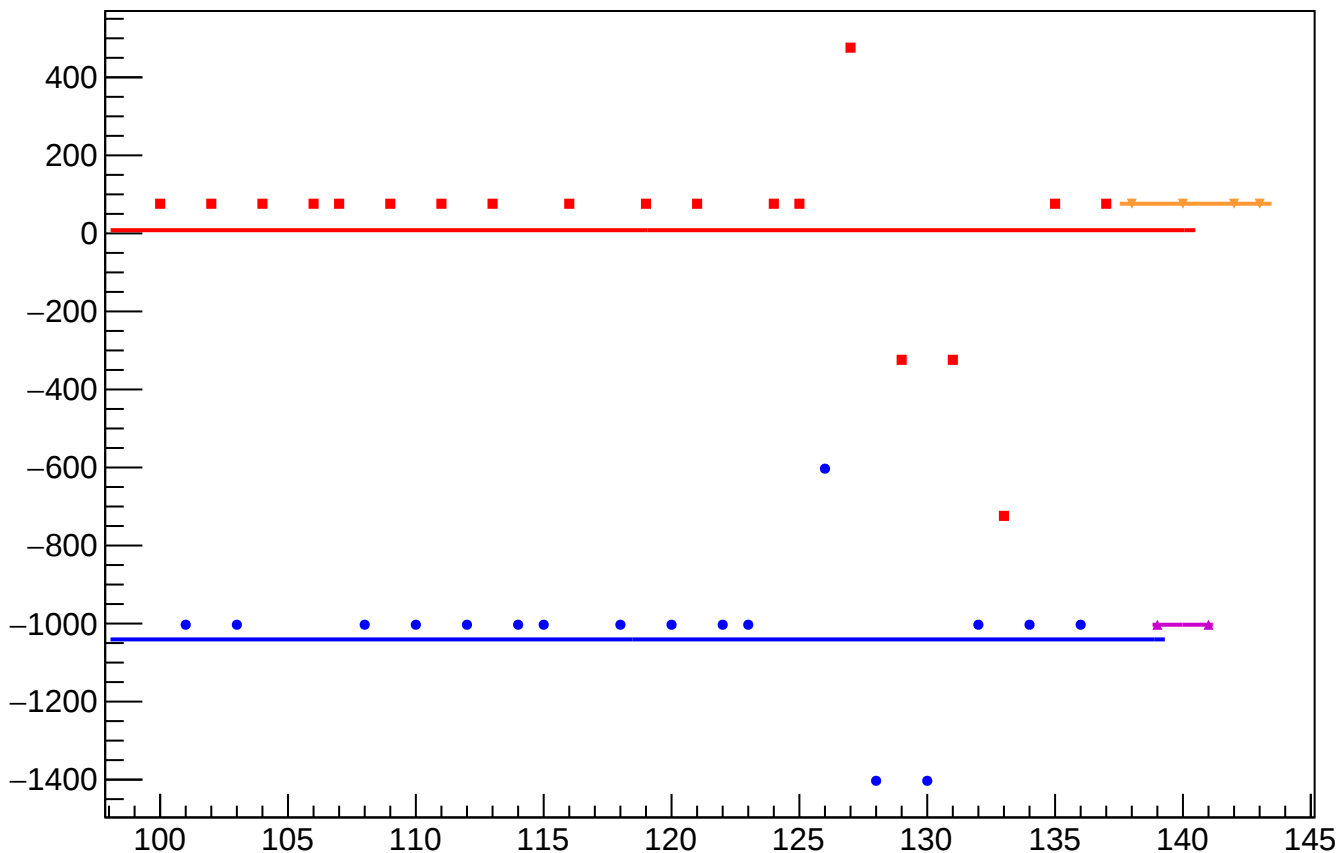
Right In: 937.887+/-0.000 χ^2/NDF : 20853195799113284359206128263972782080.0/16

Left Out: 1146.012+/-0.000 χ^2/NDF : 1169104941799908328874180608.0/3

Right Out: 1179.343+/-0.000 χ^2/NDF : 21280712999839458982137051519993774080.0/18

Left In: 912.991+/-0.000 χ^2/NDF : 1666851062095801816711168.0/1

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1040.616 ± 0.000 χ^2/NDF : 22221373085920074948025403120531013632.0/16

Left Out: 76.011 ± 0.000 χ^2/NDF : 1666293639340427112060289024.0/3

Right Out: 8.231 ± 0.000 χ^2/NDF : 43732051061335101274341918679788158976.0/18

Left In: -1002.990 ± 0.000 χ^2/NDF : 82706419775977992694530048.0/1

+ sign -715.362 ± 0.000 χ^2/NDF : 27318353815961

All: -457.551 ± 0.000 χ^2/NDF : 58374248344

- sign -169.947 ± 0.000 χ^2/NDF : 173460272625370