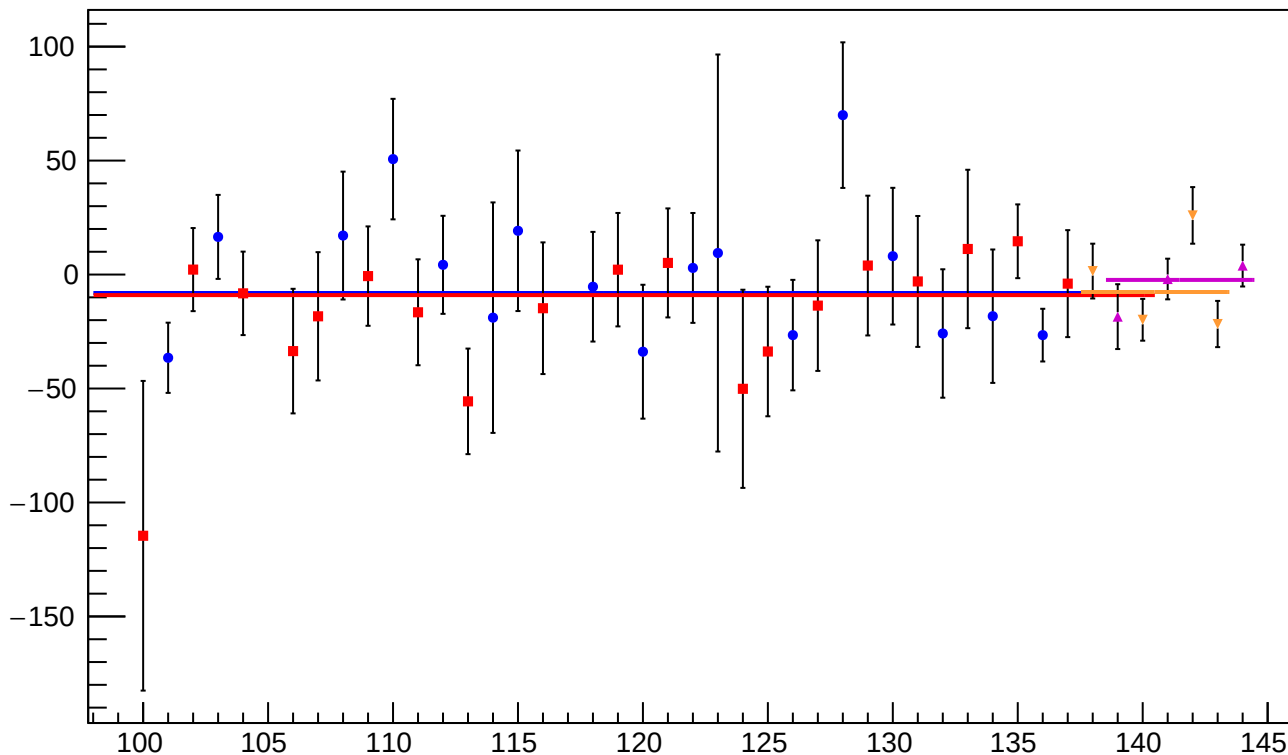


diff_bpm4aX_mean vs Slug



Right In: -8.097+/-5.619

Left Out: -7.653 ± 5.344

Right Out: -9.015 ± 5.687

Left In: -2.351+/-5.833

 $\chi^2/\text{NDF}: 22.9/16$ $\chi^2/\text{NDF}: 11.6/3$

χ^2/NDF : 13.0/18

 $\chi^2/\text{NDF}: 1.8/2$

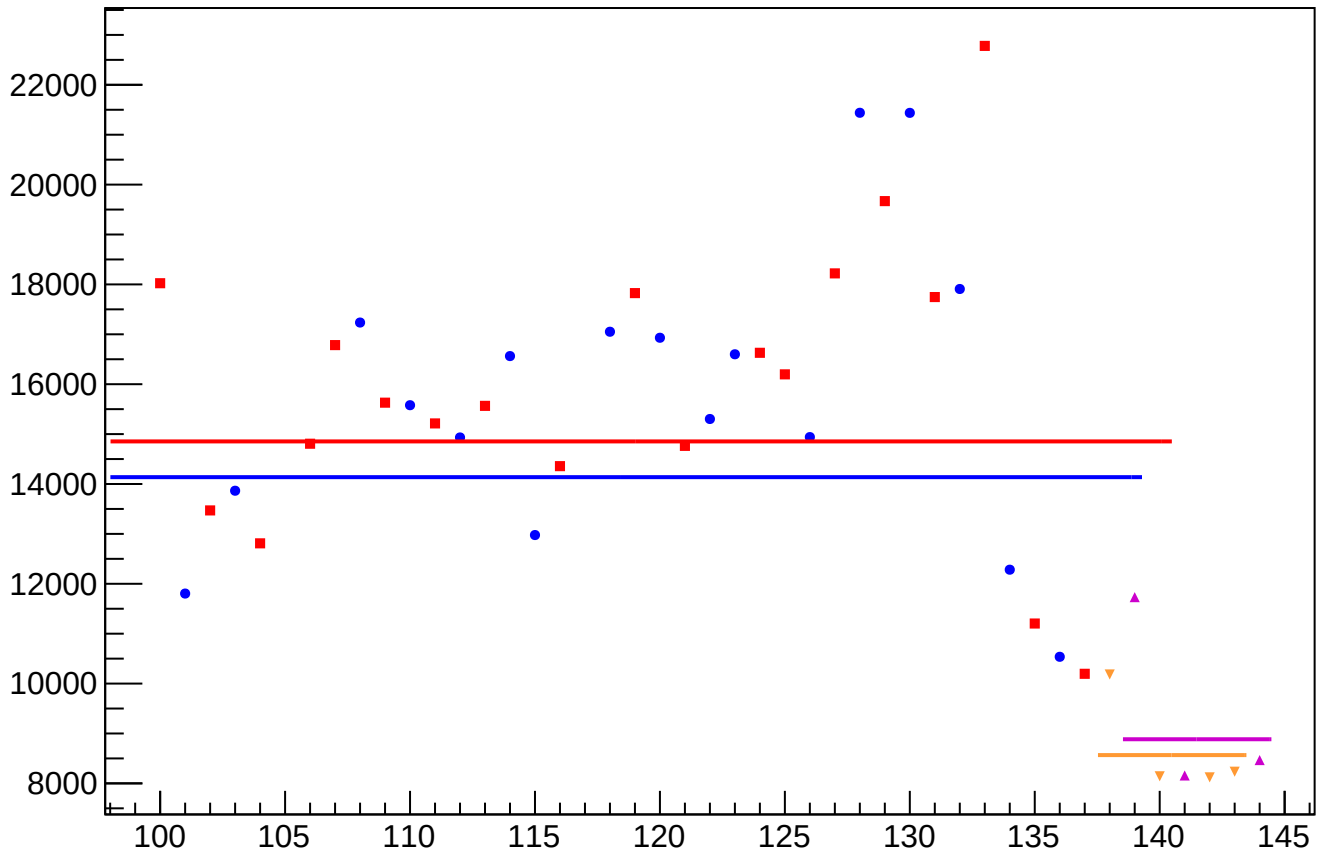
+ sign -7.864+/-3.872

All: -6.868 ± 2.806

- sign -5.767+/-4.072

 $\chi^2/\text{NDF}: 34.5/20$ $\chi^2/\text{NDF}: 50.0/42$ $\chi^2/\text{NDF}: 15.4/21$

diff_bpm4aX_rms vs Slug



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

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

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

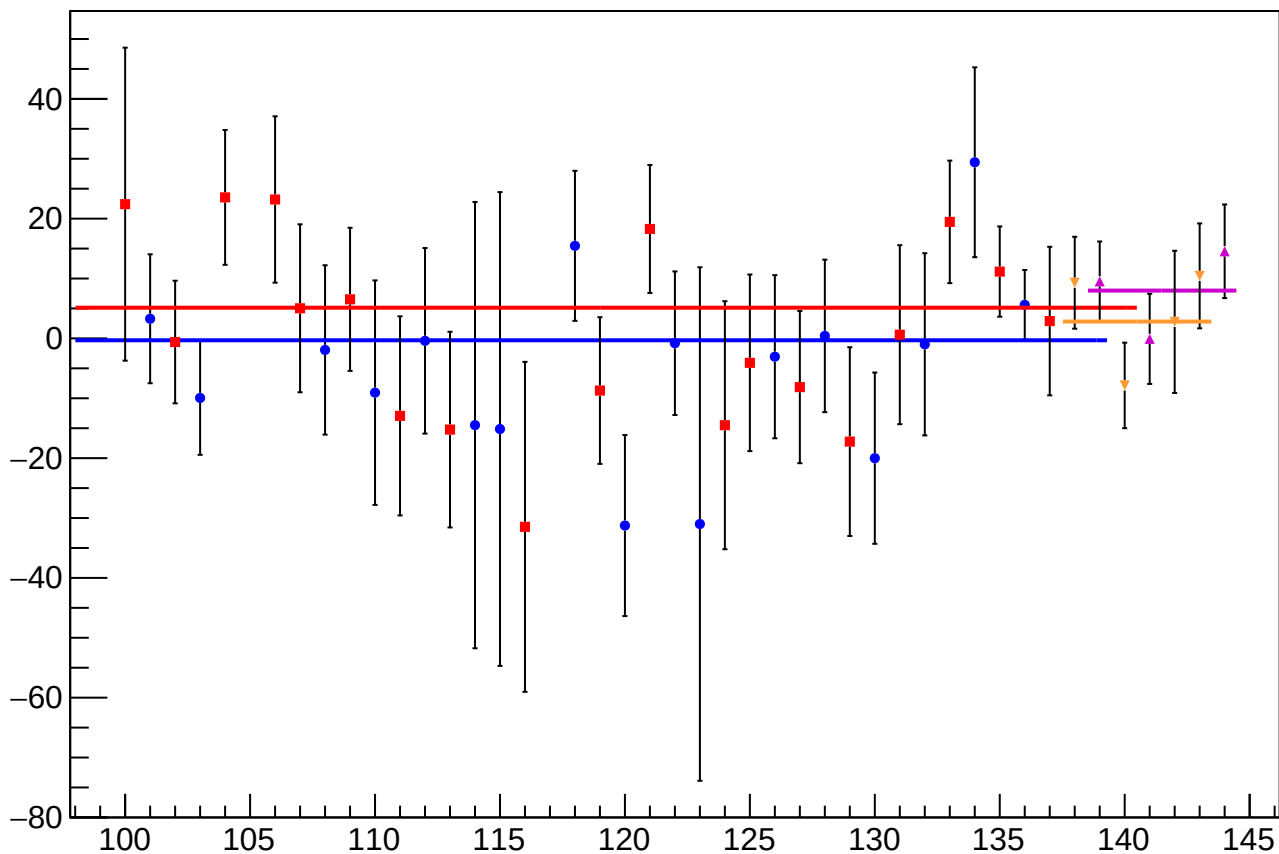
Left In: 8884.284+/-4.125 χ^2/NDF : 97579.2/2

+ sign 11212.048+/-2.738 χ^2/NDF : 1680117.3/20

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

- sign 11944.471+/-2.879 χ^2/NDF : 1645047.7/21

diff_bpm4aY_mean vs Slug



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

Left Out: 2.812 $\pm$ 4.199 χ^2 /NDF:3.7/3

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

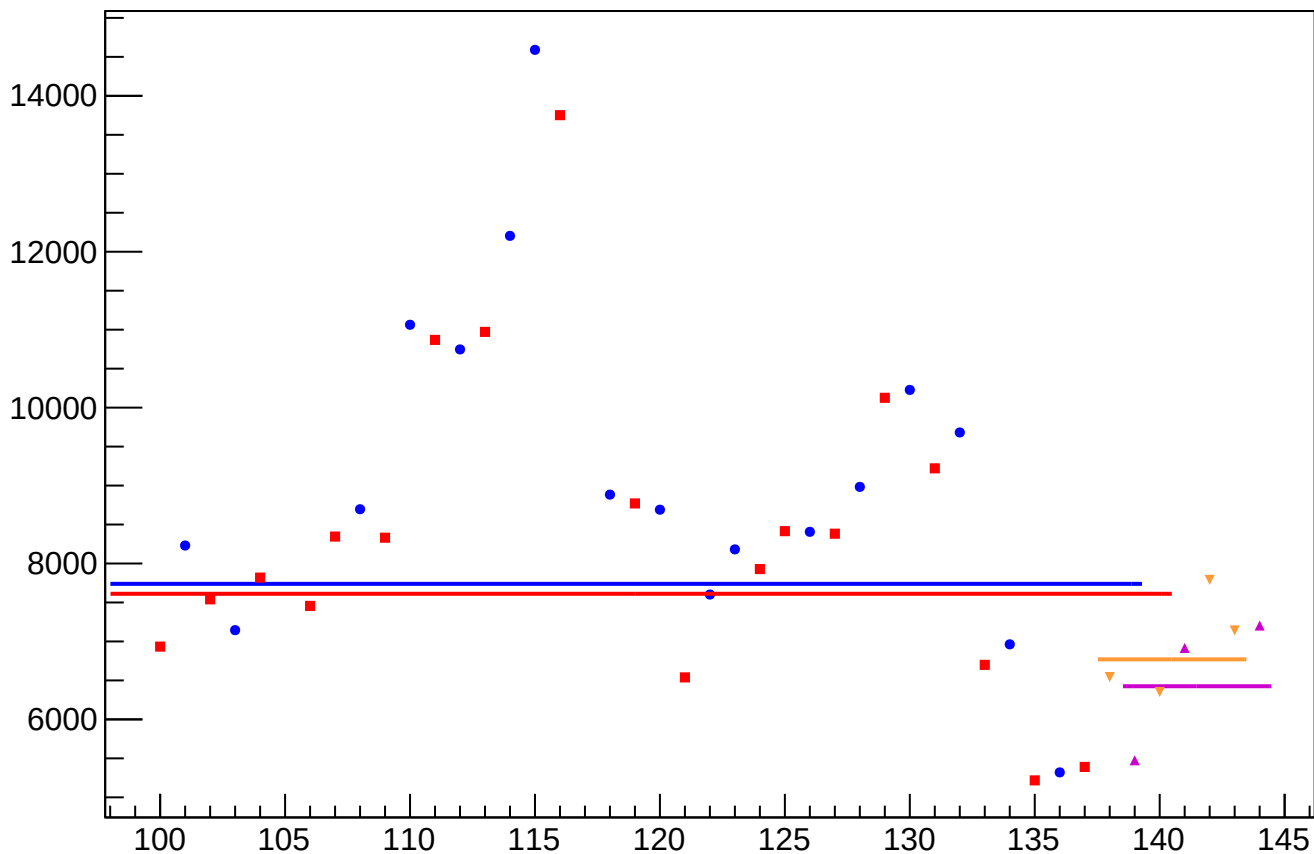
Left In: 7.985 $\pm$ 4.206 χ^2 /NDF:1.9/2

+ sign 0.778 $\pm$ 2.482 χ^2 /NDF: 18.5/20

All: 3.499 $\pm$ 1.729 χ^2 /NDF: 42.6/42

- sign 6.066 $\pm$ 2.411 χ^2 /NDF: 21.8/21

diff_bpm4aY_rms vs Slug



Right In: 7738.934 $\pm$ 2.176 χ^2 /NDF: 740969.1/16

Left Out: 6770.303 $\pm$ 2.969 χ^2 /NDF: 26942.3/3

Right Out: 7611.390 $\pm$ 2.080 χ^2 /NDF: 683263.4/18

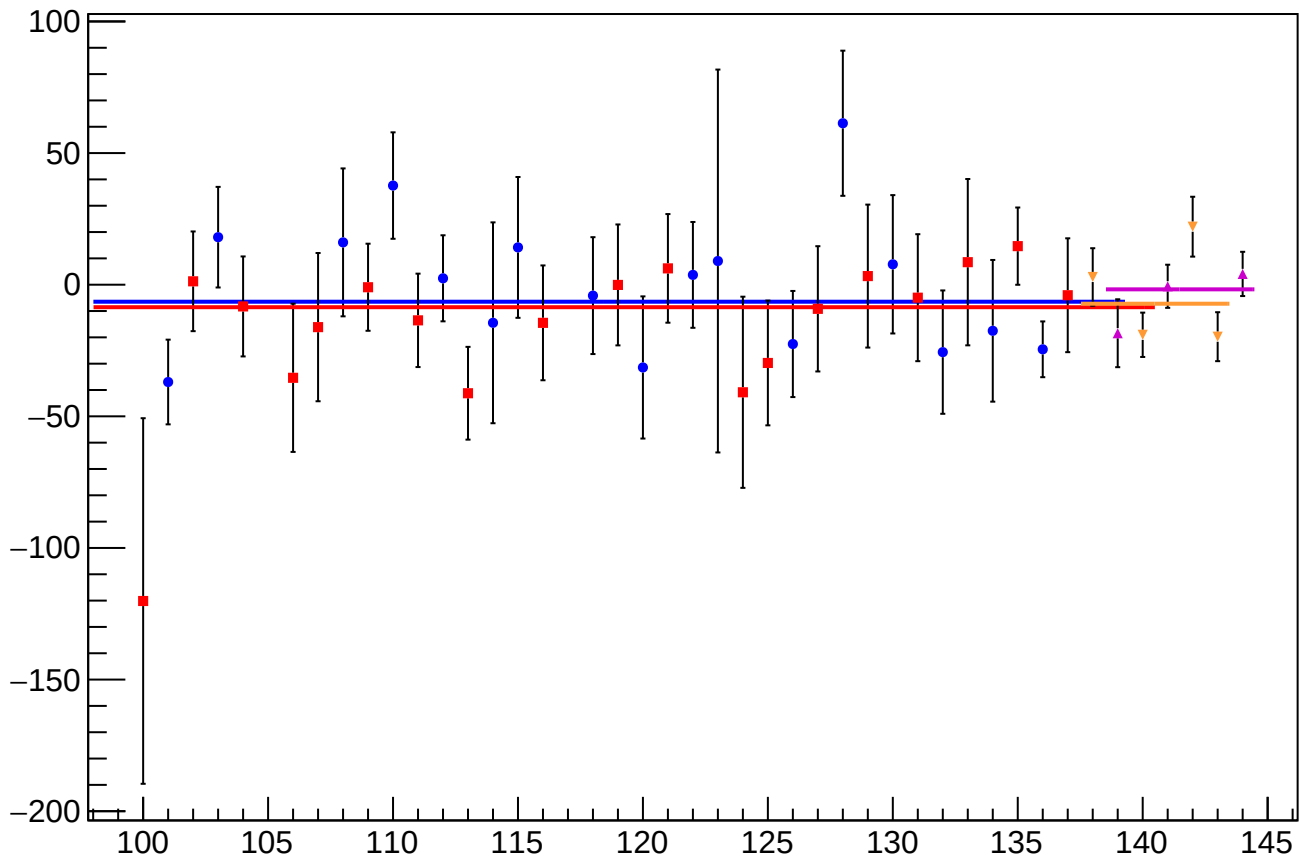
Left In: 6425.276 $\pm$ 2.974 χ^2 /NDF: 69039.6/2

+ sign 7400.543 $\pm$ 1.755 χ^2 /NDF: 837158.6/20

All: 7308.515 $\pm$ 1.223 χ^2 /NDF: 1701610.5/42

- sign 7221.682 $\pm$ 1.705 χ^2 /NDF: 859107.4/21

diff_bpm4eX_mean vs Slug



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

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

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

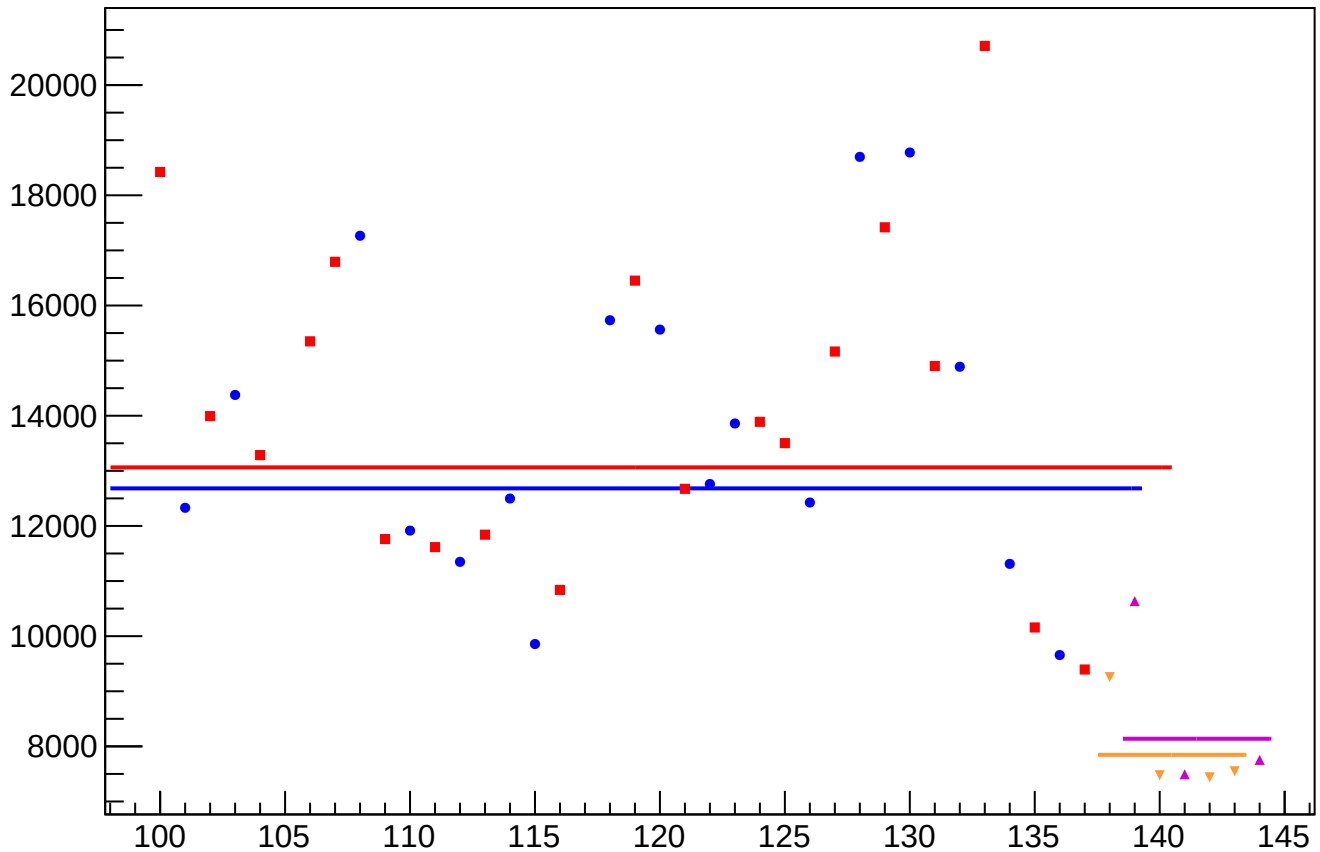
Left In: -1.765 ± 5.340 χ^2/NDF : 2.2/2

+ sign -6.854 ± 3.506 χ^2/NDF : 34.8/20

All: -6.144 ± 2.530 χ^2/NDF : 50.8/42

- sign -5.373 ± 3.653 χ^2/NDF : 16.0/21

diff_bpm4eX_rms vs Slug



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

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

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

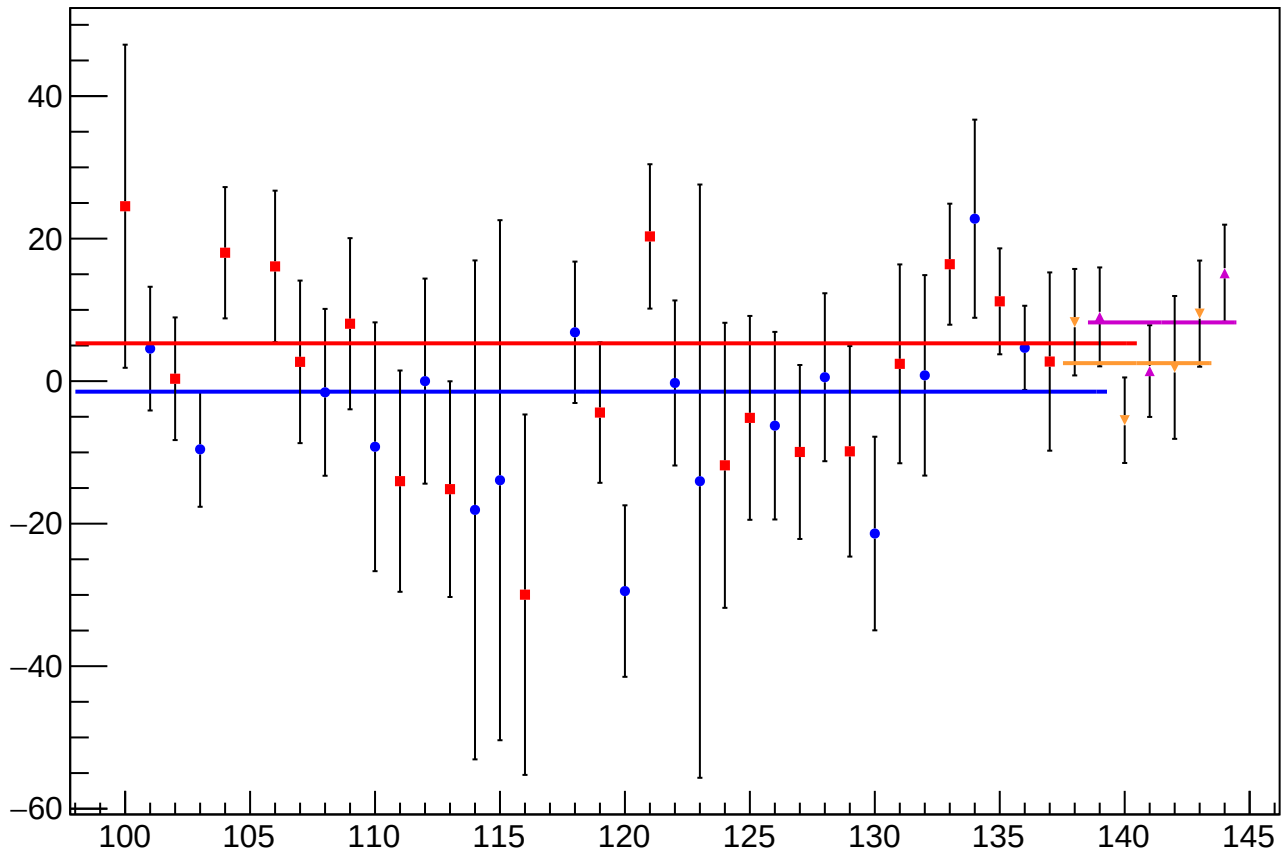
Left In: 8138.238 $\pm$ 3.776 χ^2 /NDF: 91618.1/2

+ sign 10197.511 $\pm$ 2.479 χ^2 /NDF: 1550668.5/20

All: 10466.217 $\pm$ 1.789 χ^2 /NDF: 3070826.4/4

- sign 10757.881 $\pm$ 2.583 χ^2 /NDF: 1495664.7/21

diff_bpm4eY_mean vs Slug



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

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

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

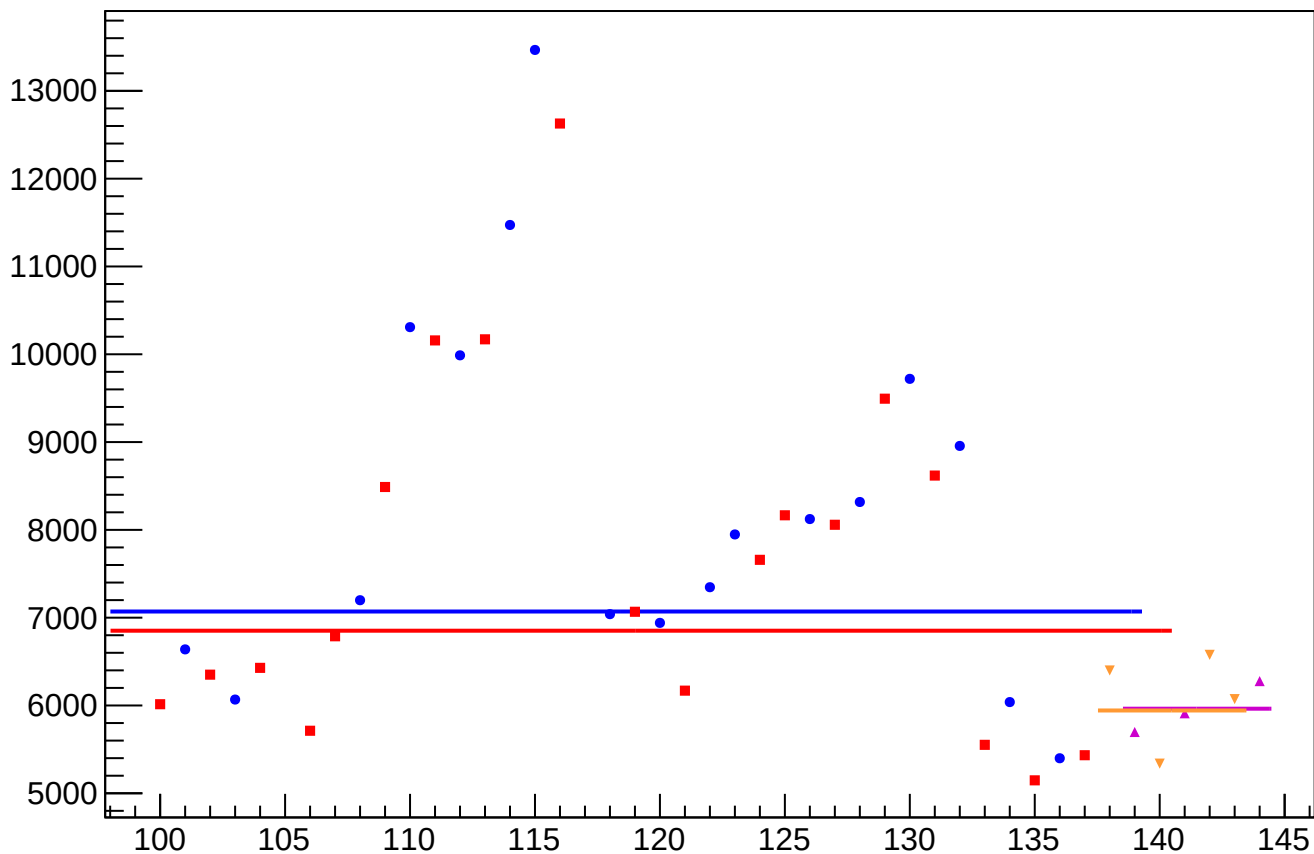
Left In: 8.241 ± 3.880 χ^2/NDF : 2.2/2

+ sign -0.015 ± 2.227 χ^2/NDF : 18.7/20

All: 3.170 ± 1.560 χ^2/NDF : 44.2/42

- sign 6.238 ± 2.185 χ^2/NDF : 21.4/21

diff_bpm4eY_rms vs Slug



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

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

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

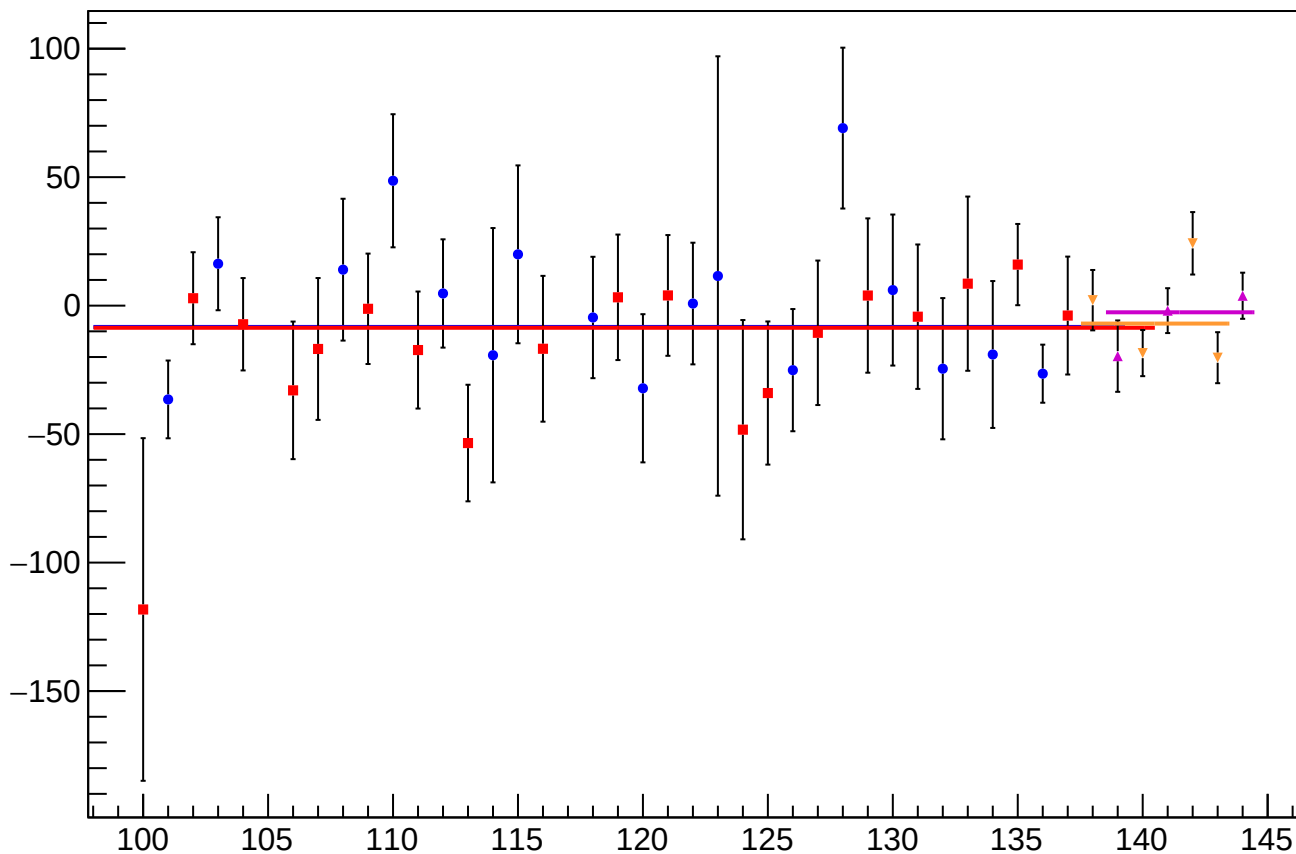
Left In: 5963.339+/-2.743 χ^2/NDF : 7304.4/2

+ sign 6658.509+/-1.575 χ^2/NDF : 756045.6/20

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

- sign 6569.804+/-1.545 χ^2/NDF : 767467.0/21

diff_bpm4acX_mean vs Slug



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

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

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

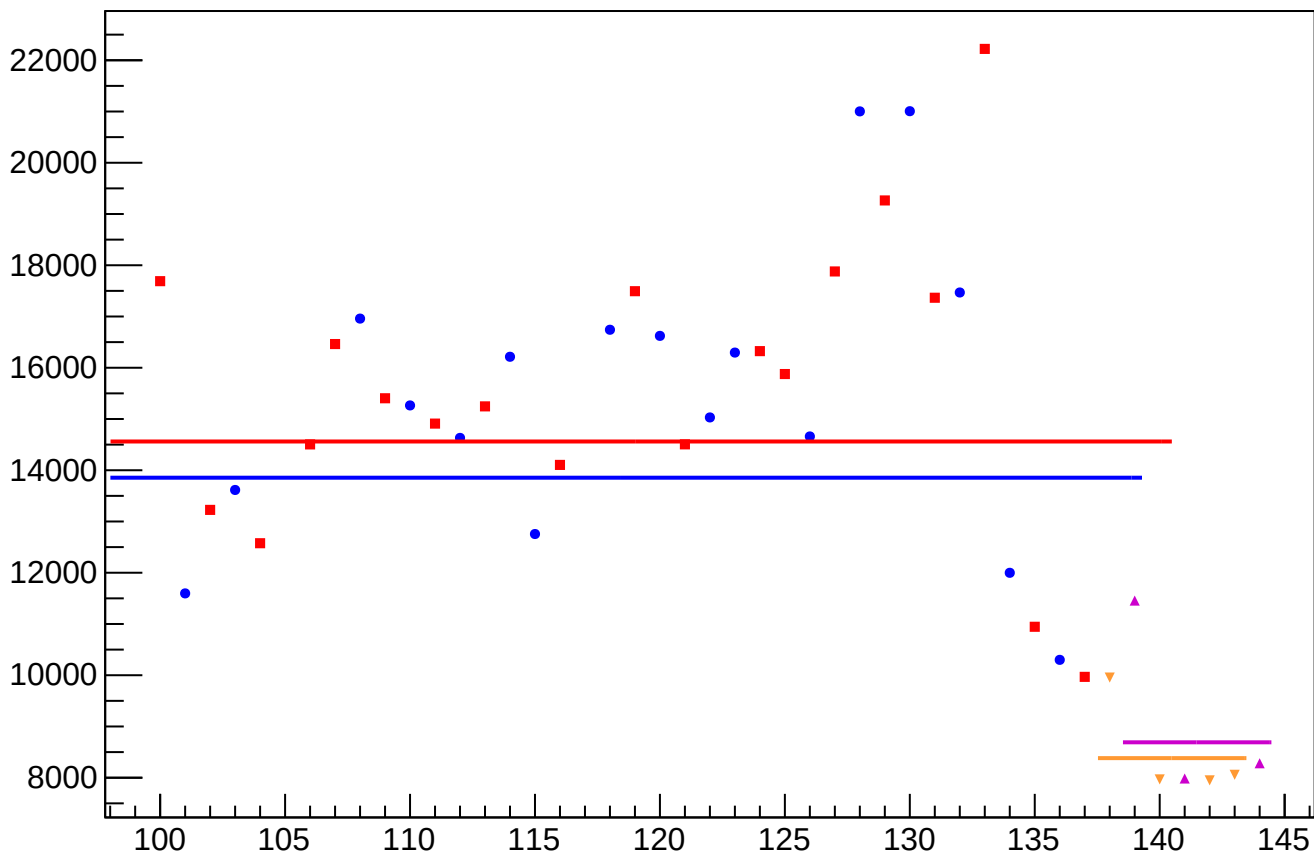
Left In: -2.592 ± 5.706 χ^2/NDF : 2.0/2

+ sign -7.602 ± 3.792 χ^2/NDF : 33.4/20

All: -6.686 ± 2.748 χ^2/NDF : 49.6/42

- sign -5.673 ± 3.988 χ^2/NDF : 16.0/21

diff_bpm4acX_rms vs Slug



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

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

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

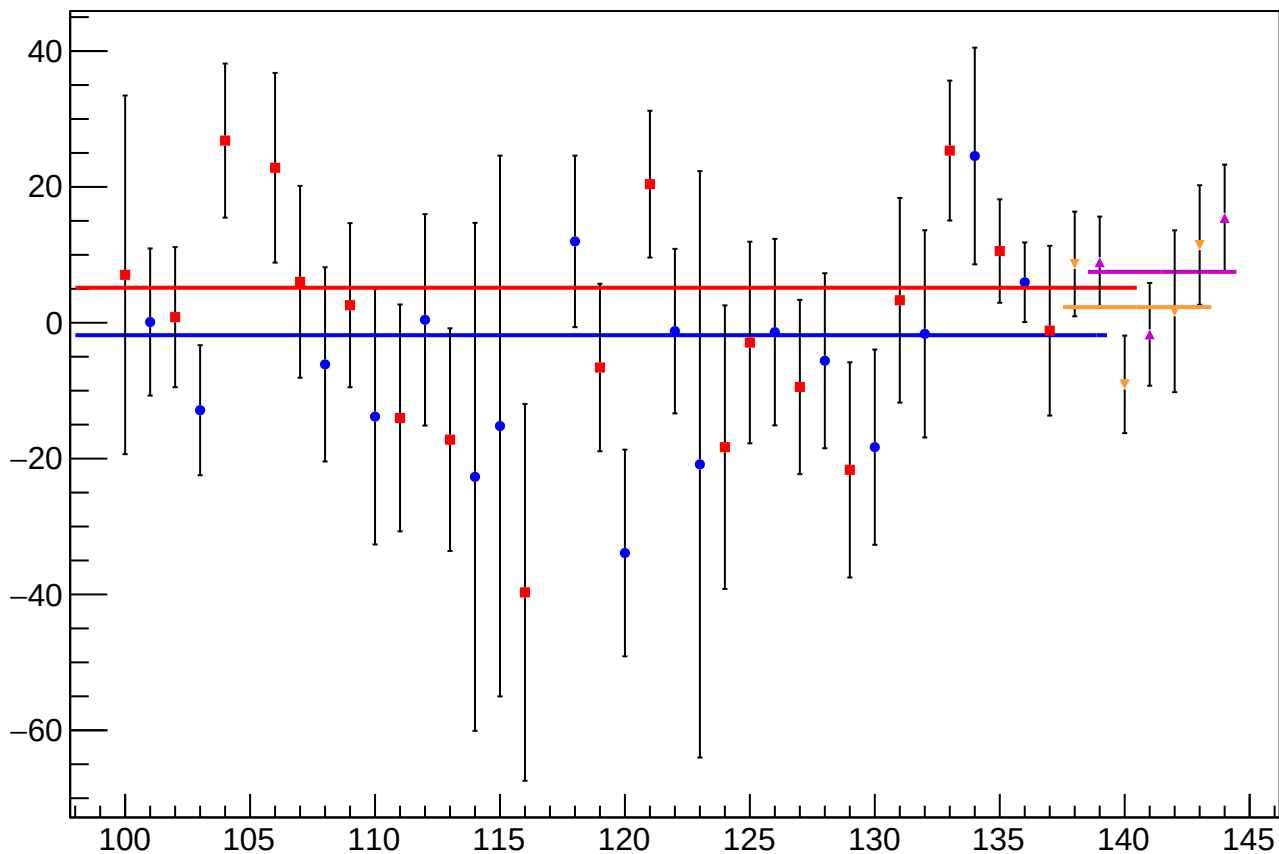
Left In: 8691.012 $\pm$ 4.034 χ^2 /NDF:96538.5/2

+ sign 10975.954 $\pm$ 2.681 χ^2 /NDF: 1689442.2/20

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

- sign 11693.545 $\pm$ 2.820 χ^2 /NDF: 1655149.3/21

diff_bpm4acY_mean vs Slug



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

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

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

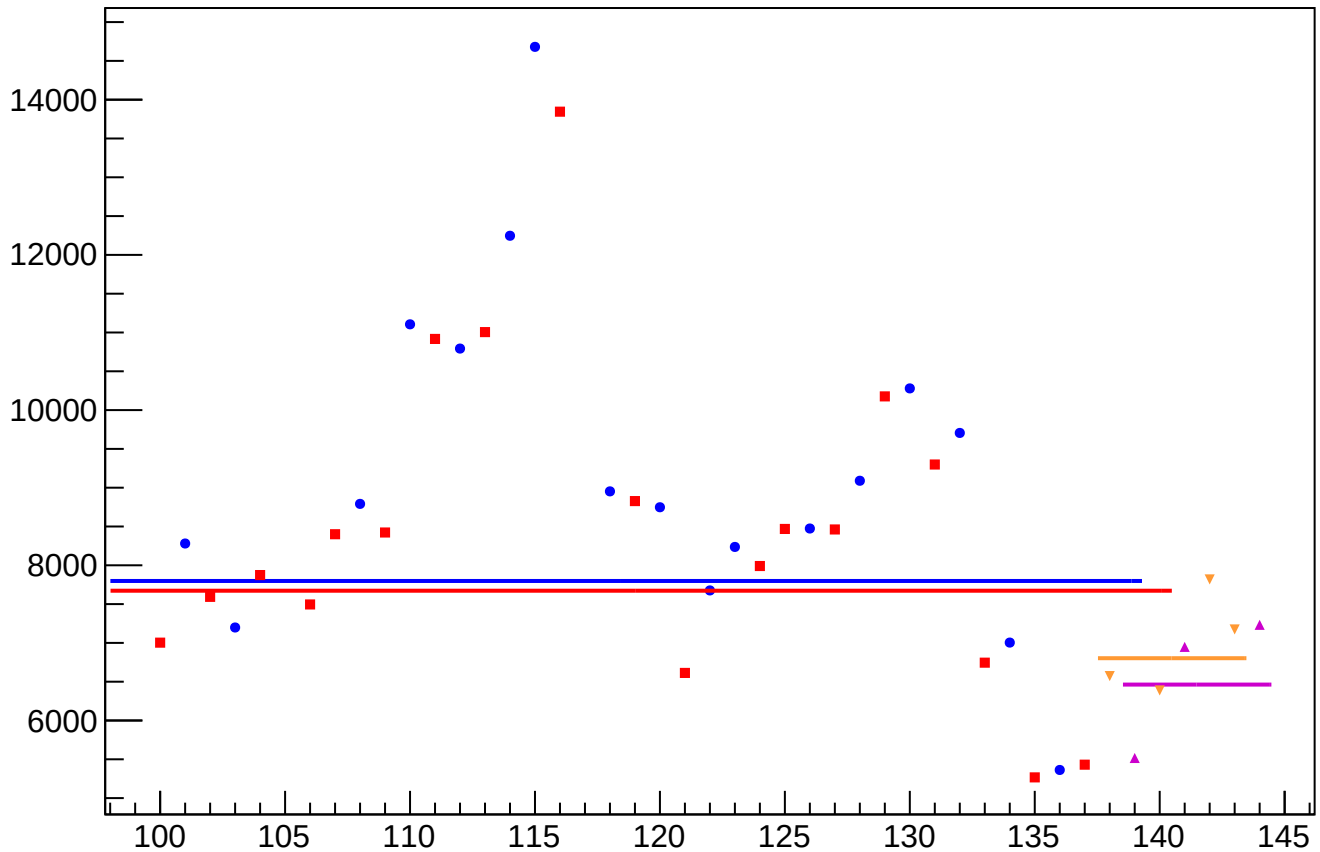
Left In: 7.495 ± 4.229 χ^2/NDF : 2.5/2

+ sign -0.379 ± 2.498 χ^2/NDF : 18.9/20

All: 2.863 ± 1.741 χ^2/NDF : 49.5/42

- sign 5.926 ± 2.428 χ^2/NDF : 27.3/21

diff_bpm4acY_rms vs Slug



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

Left Out: 6802.695+/-2.983 χ^2/NDF : 26559.4/3

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

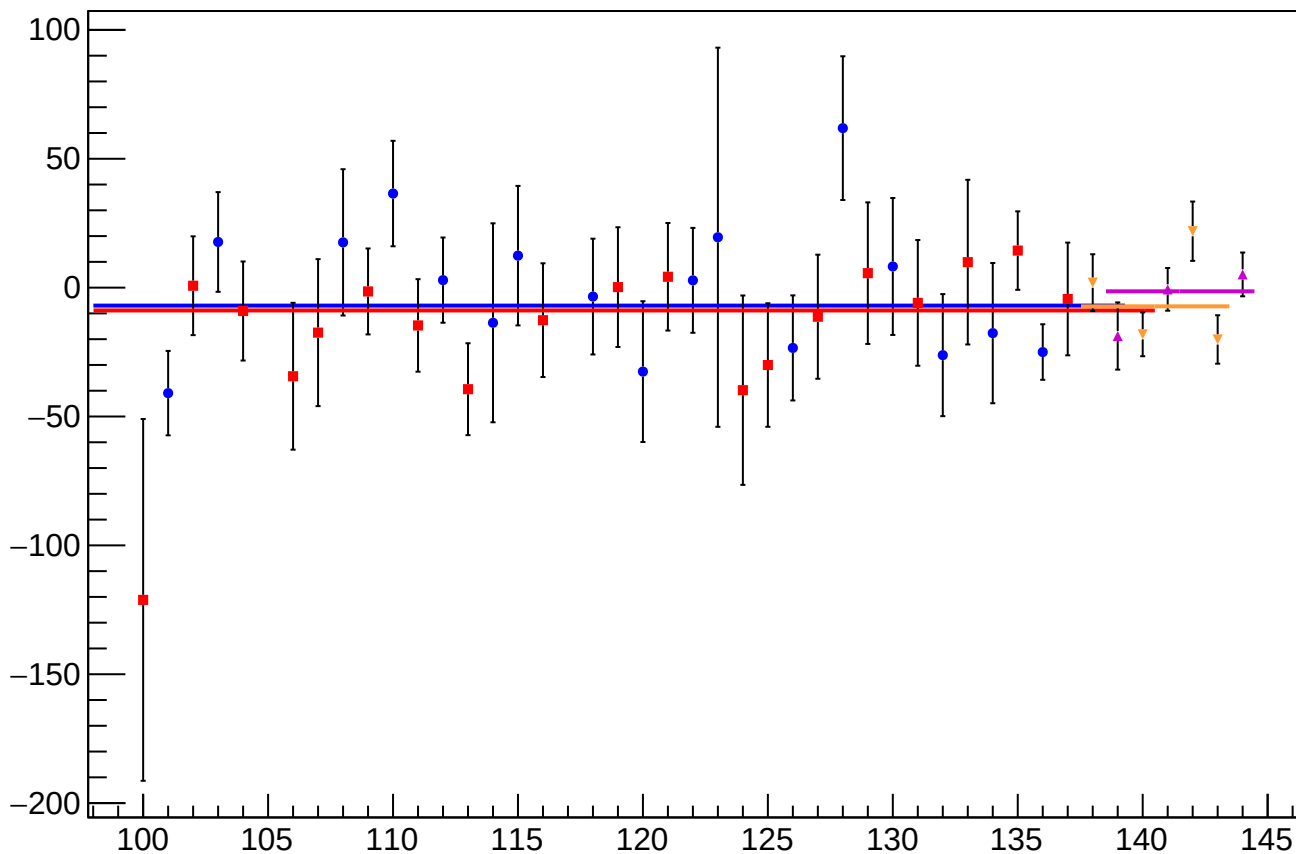
Left In: 6462.797+/-2.990 χ^2/NDF : 67240.1/2

+ sign 7449.054+/-1.766 χ^2/NDF : 835173.6/20

All: 7358.950+/-1.231 χ^2/NDF : 1693870.3/42

- sign 7273.841+/-1.717 χ^2/NDF : 853636.2/21

diff_bpm4ecX_mean vs Slug



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

Left Out: -7.257 ± 4.942 χ^2/NDF : 10.6/3

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

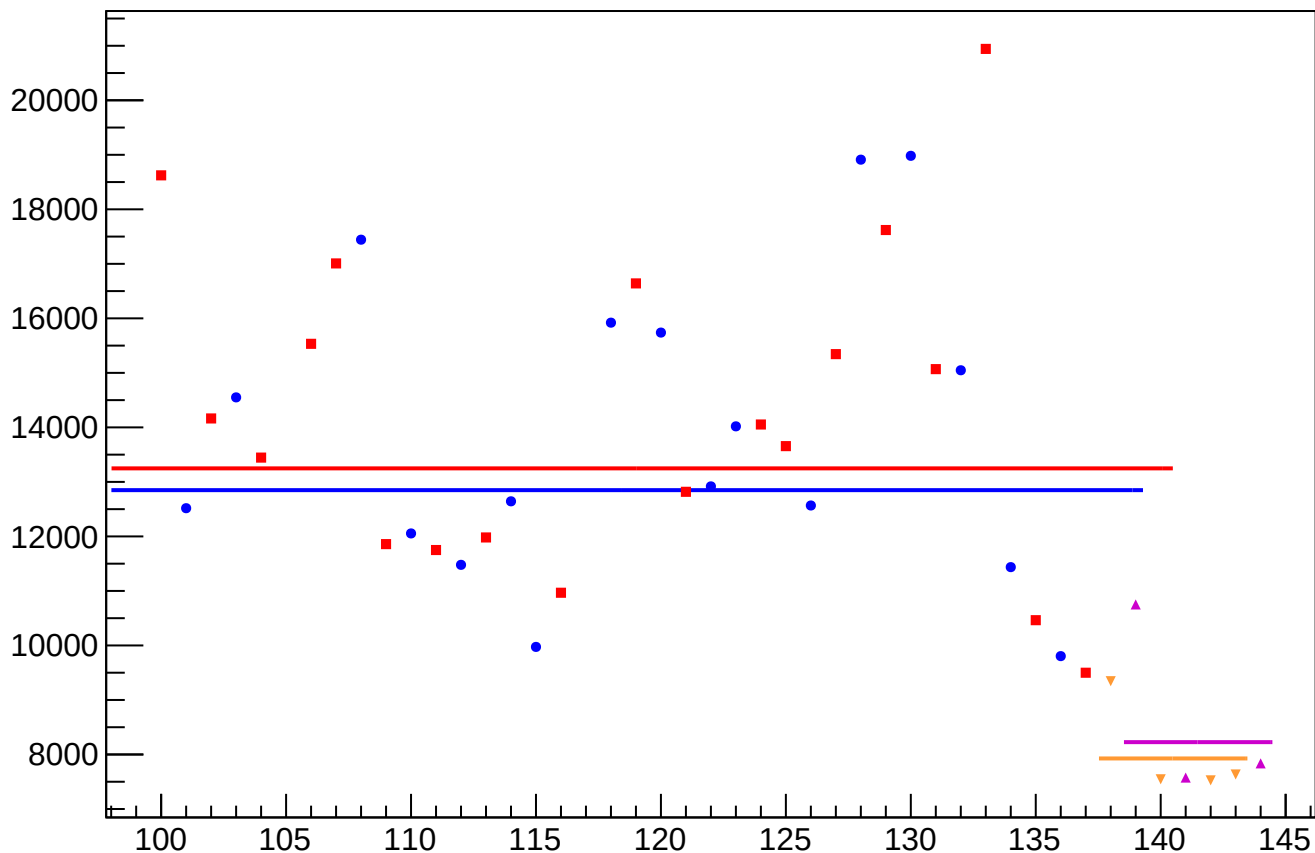
Left In: -1.431 ± 5.398 χ^2/NDF : 2.4/2

+ sign -7.121 ± 3.548 χ^2/NDF : 34.7/20

All: -6.279 ± 2.561 χ^2/NDF : 50.2/42

- sign -5.364 ± 3.699 χ^2/NDF : 15.4/21

diff_bpm4ecX_rms vs Slug



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

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

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

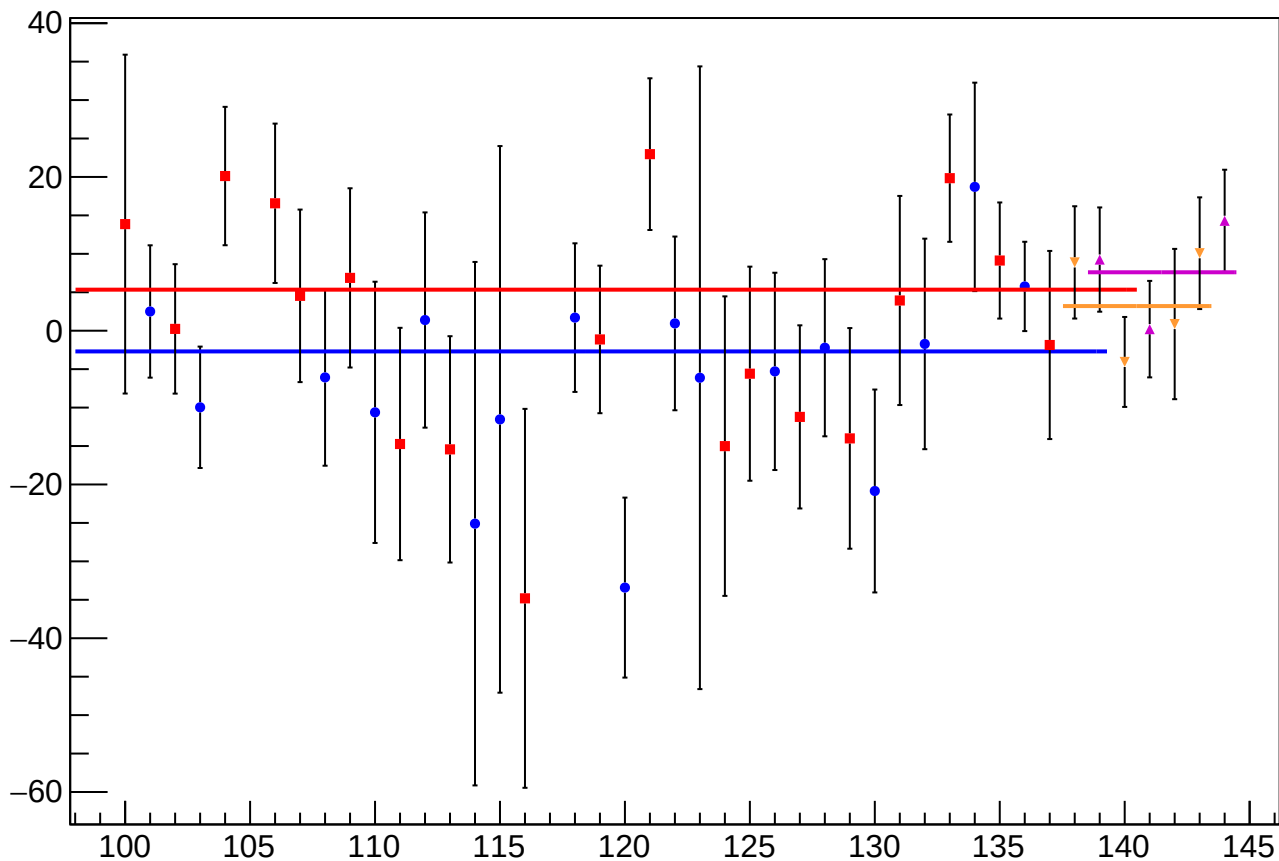
Left In: 8226.375 $\pm$ 3.817 χ^2 /NDF:91616.9/2

+ sign 10312.641 $\pm$ 2.509 χ^2 /NDF: 1554925.5/20

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

- sign 10889.361 $\pm$ 2.616 χ^2 /NDF: 1496803.6/21

diff_bpm4ecY_mean vs Slug



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

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

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

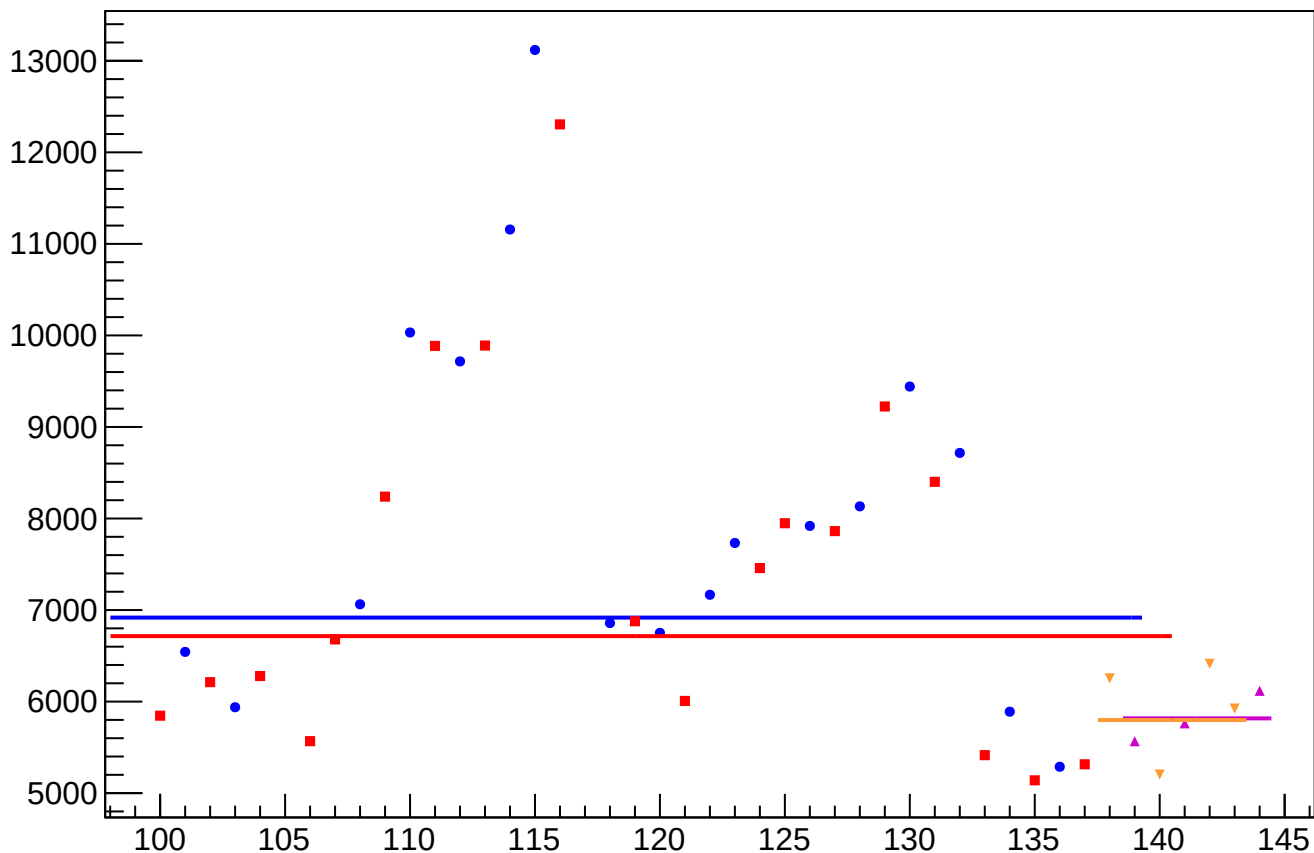
Left In: 7.600 ± 3.784 χ^2/NDF : 2.5/2

+ sign -0.530 ± 2.177 χ^2/NDF : 20.7/20

All: 2.825 ± 1.526 χ^2/NDF : 51.6/42

- sign 6.061 ± 2.139 χ^2/NDF : 26.3/21

diff_bpm4ecY_rms vs Slug



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

Left Out: 5798.262+/-2.542 χ^2/NDF : 37001.0/3

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

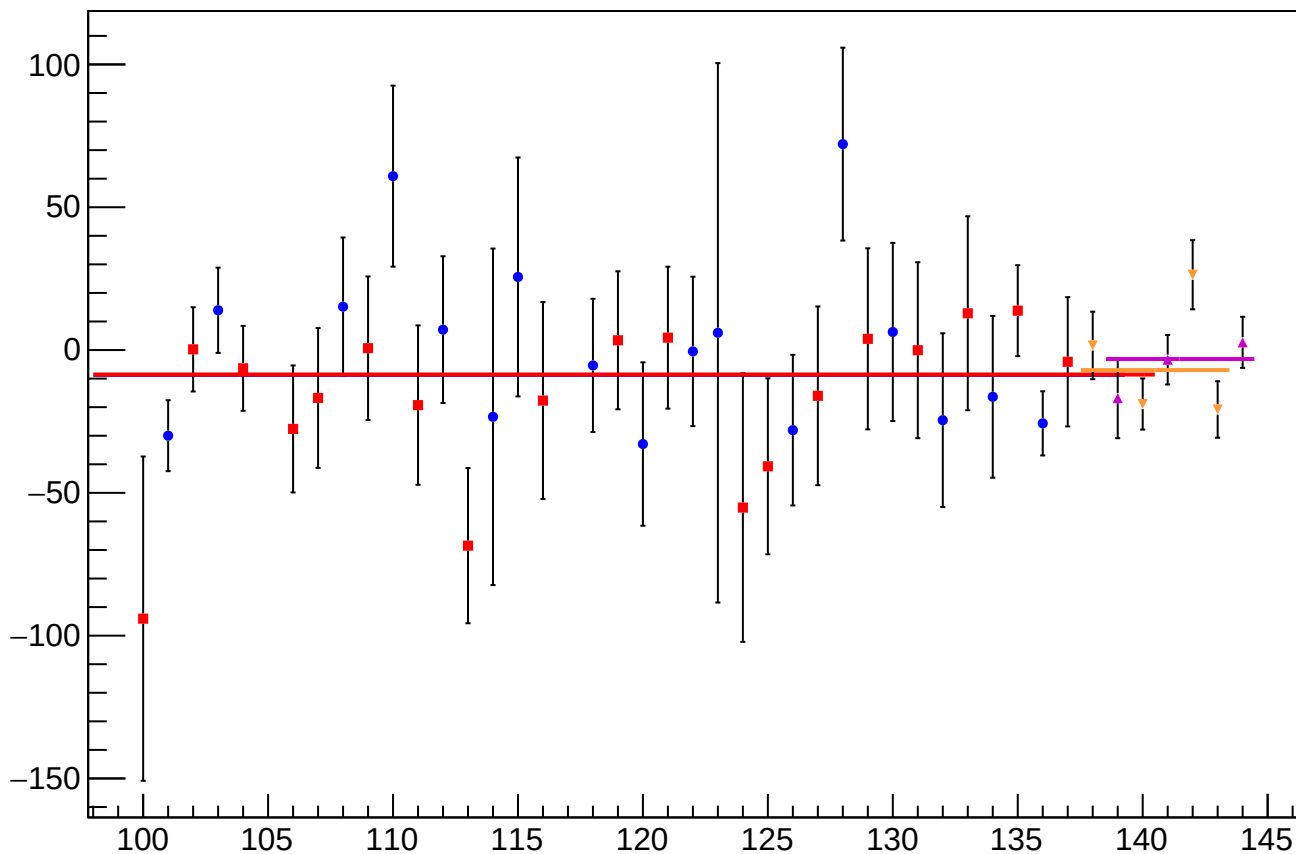
Left In: 5816.853+/-2.676 χ^2/NDF : 6978.8/2

+ sign 6507.069+/-1.540 χ^2/NDF : 746944.2/20

All: 6466.934+/-1.079 χ^2/NDF : 1491955.1/42

- sign 6428.215+/-1.512 χ^2/NDF : 743675.9/21

diff_bpm1X_mean vs Slug



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

Left Out: -7.012 ± 5.222 χ^2/NDF : 11.8/3

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

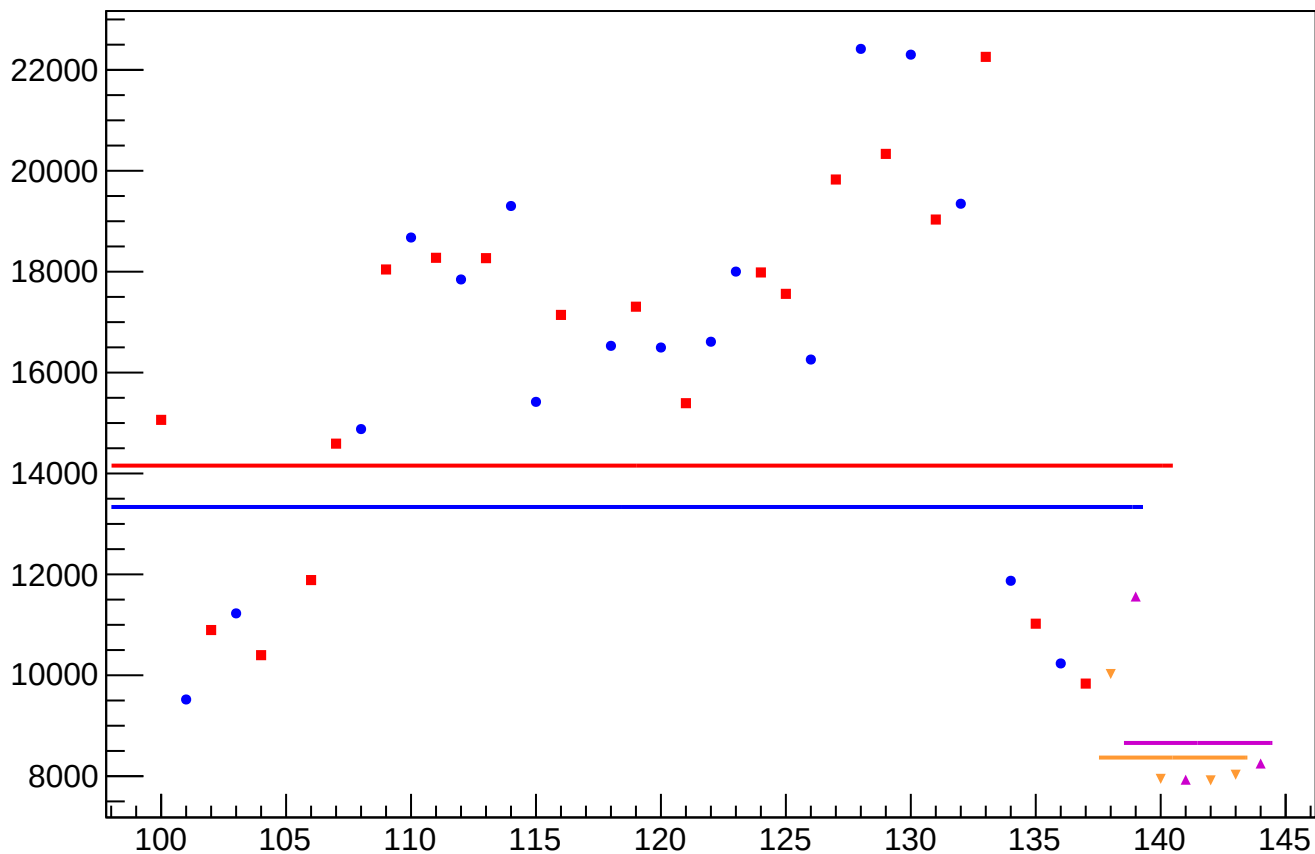
Left In: -3.139 ± 5.689 χ^2/NDF : 1.4/2

+ sign -7.820 ± 3.754 χ^2/NDF : 34.0/20

All: -6.933 ± 2.725 χ^2/NDF : 50.0/42

- sign -5.947 ± 3.960 χ^2/NDF : 15.8/21

diff_bpm1X_rms vs Slug



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

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

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

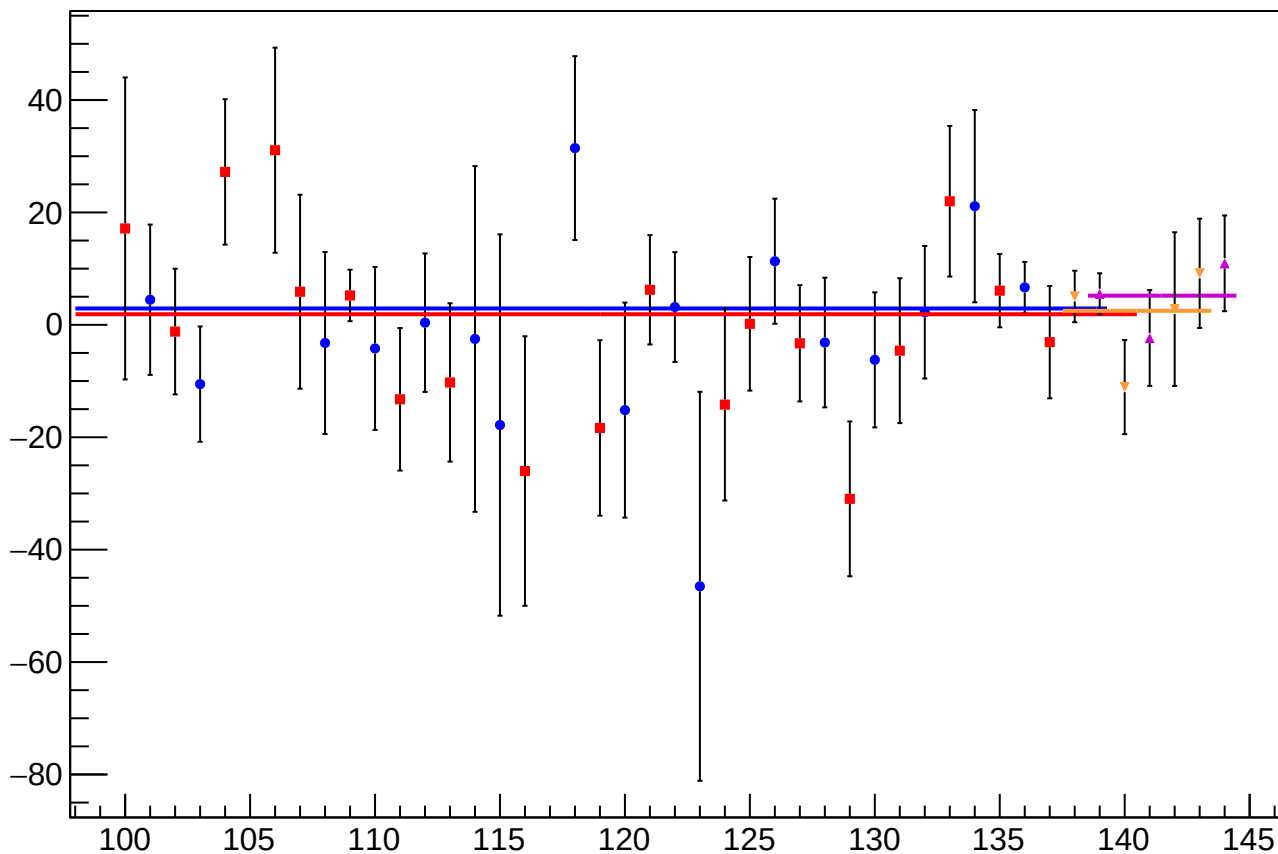
Left In: 8658.558+/-4.023 χ^2/NDF : 104047.5/2

+ sign 10768.711+/-2.655 χ^2/NDF : 1972166.3/20

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

- sign 11492.110+/-2.800 χ^2/NDF : 1999016.2/21

diff_bpm1Y_mean vs Slug



Right In: 2.911 ± 2.758 χ^2/NDF : 11.8/16

Left Out: 2.500 ± 3.584 χ^2/NDF : 3.4/3

Right Out: 1.892 ± 2.444 χ^2/NDF : 22.8/18

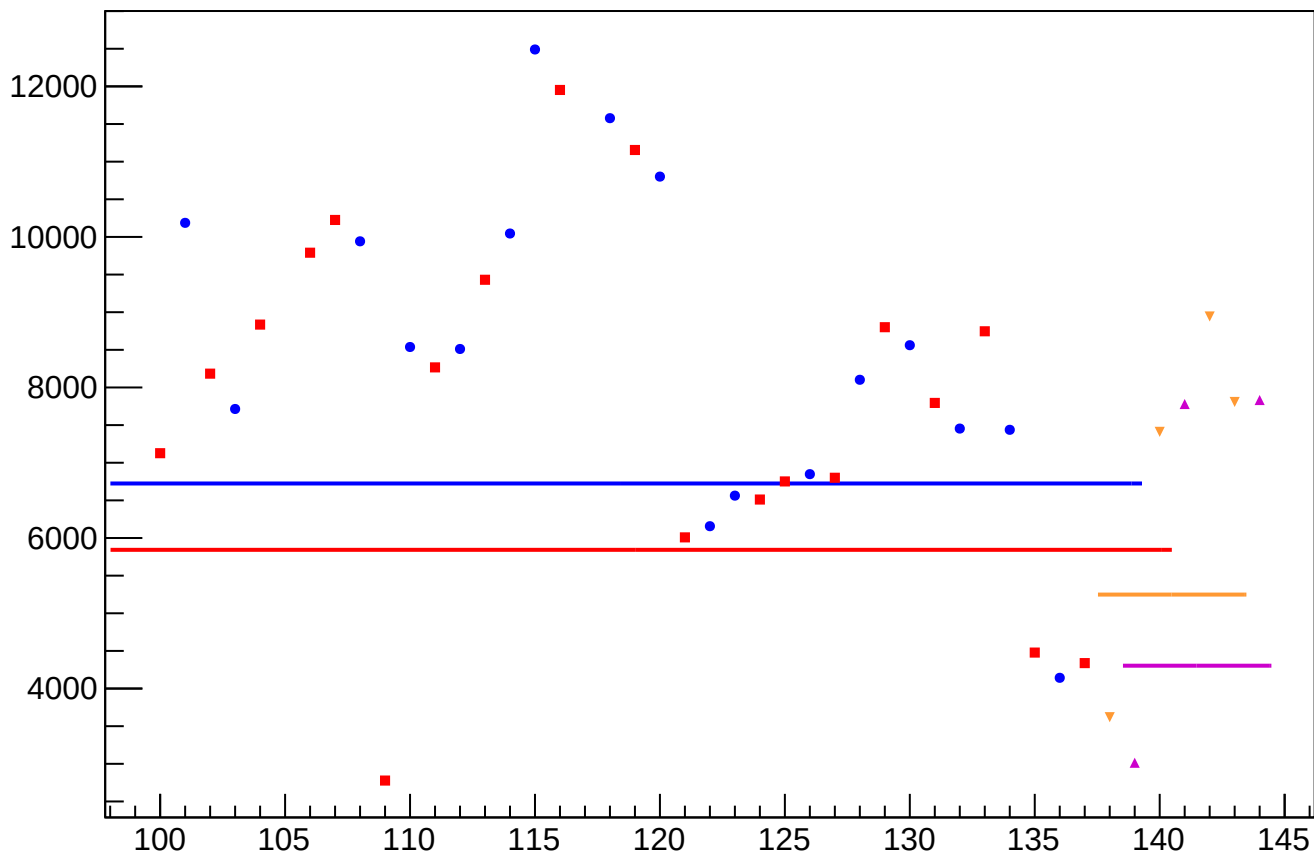
Left In: 5.192 ± 3.125 χ^2/NDF : 1.2/2

+ sign 2.758 ± 2.185 χ^2/NDF : 15.2/20

All: 2.975 ± 1.445 χ^2/NDF : 39.9/42

- sign 3.144 ± 1.925 χ^2/NDF : 24.7/21

diff_bpm1Y_rms vs Slug



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

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

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

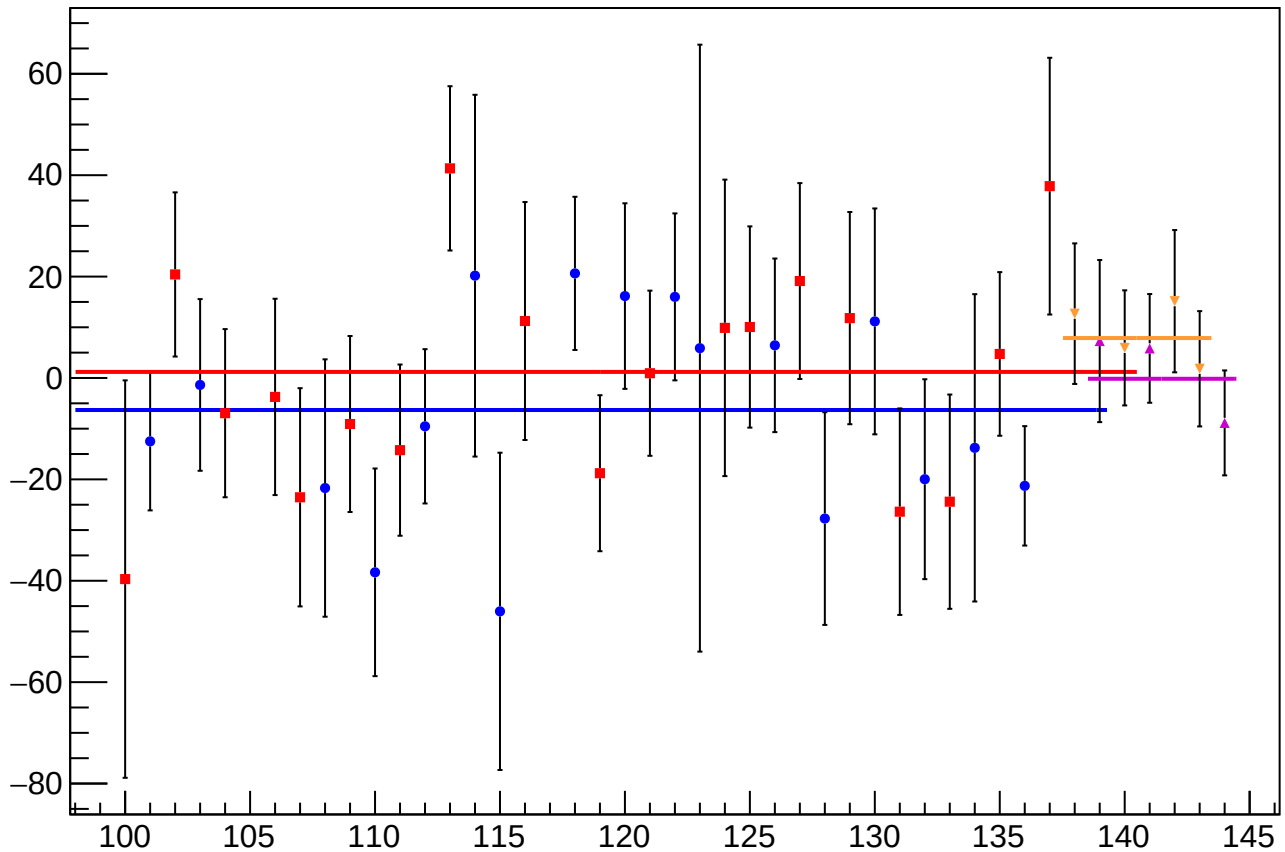
Left In: 4303.616+/-2.210 χ^2/NDF : 924907.0/2

+ sign 6175.457+/-1.545 χ^2/NDF : 2275743.0/20

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

- sign 5258.840+/-1.361 χ^2/NDF : 3506768.4/21

diff_bpm11X_mean vs Slug



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

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

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

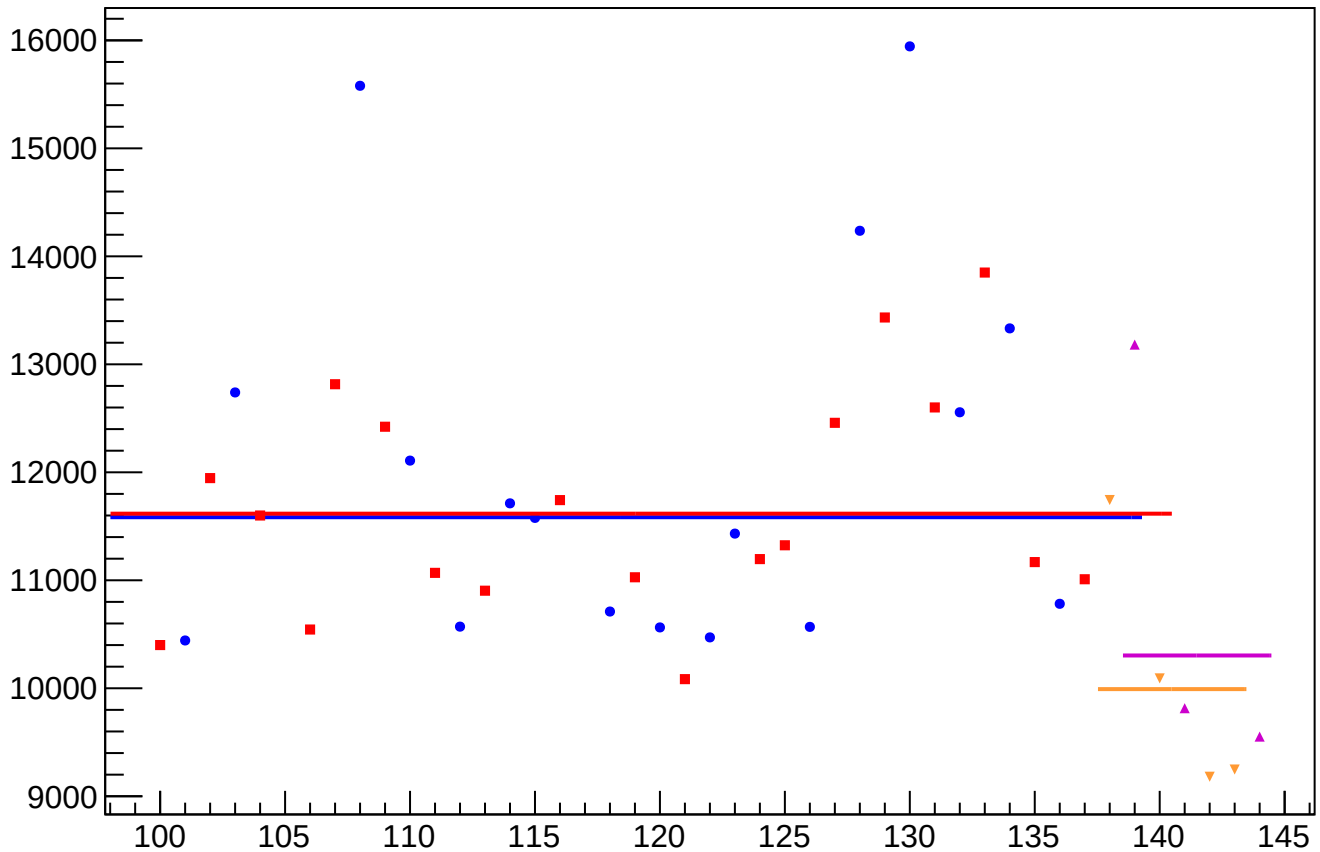
Left In: -0.158 ± 6.751 χ^2/NDF : 1.2/2

+ sign -1.414 ± 3.661 χ^2/NDF : 20.3/20

All: -0.314 ± 2.594 χ^2/NDF : 42.0/42

- sign 0.796 ± 3.675 χ^2/NDF : 21.4/21

diff_bpm11X_rms vs Slug



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

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

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

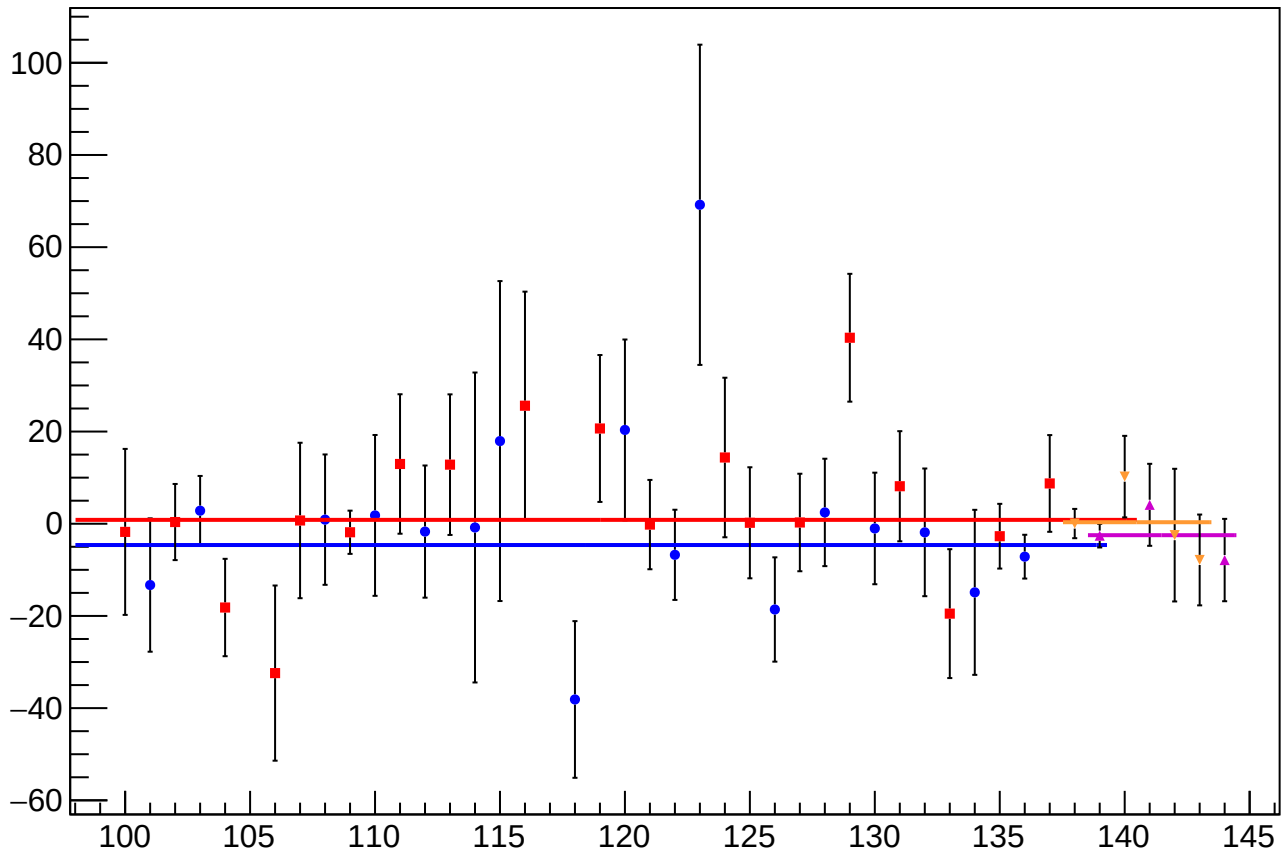
Left In: 10303.675+/-4.773 χ^2/NDF : 79501.4/2

+ sign 11034.146+/-2.589 χ^2/NDF : 374374.0/20

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

- sign 11227.594+/-2.599 χ^2/NDF : 228210.5/21

diff_bpm11Y_mean vs Slug



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

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

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

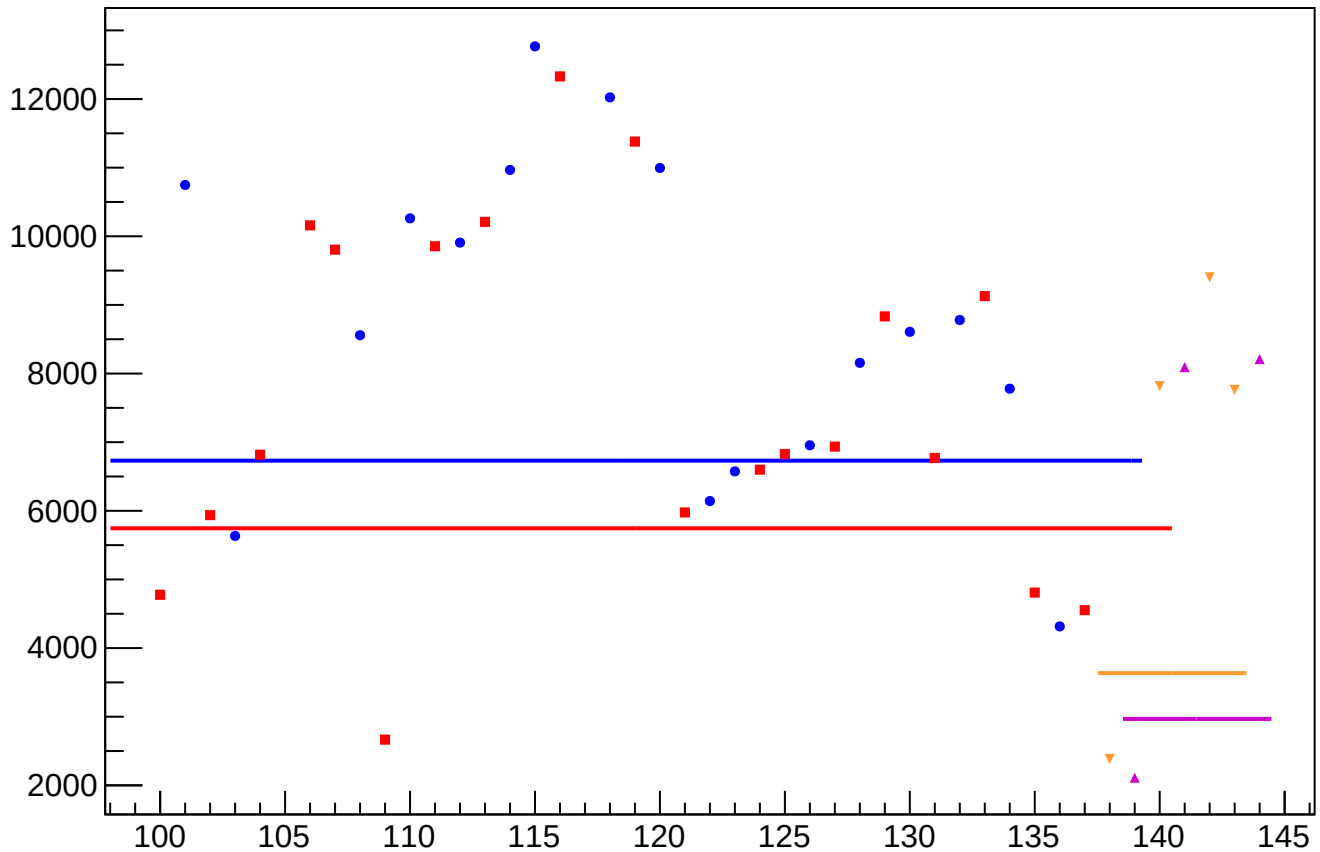
Left In: -2.483 ± 2.373 χ^2/NDF : 0.9/2

+ sign -2.165 ± 1.976 χ^2/NDF : 18.4/20

All: -1.415 ± 1.288 χ^2/NDF : 43.0/42

- sign -0.861 ± 1.698 χ^2/NDF : 24.4/21

diff_bpm11Y_rms vs Slug



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

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

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

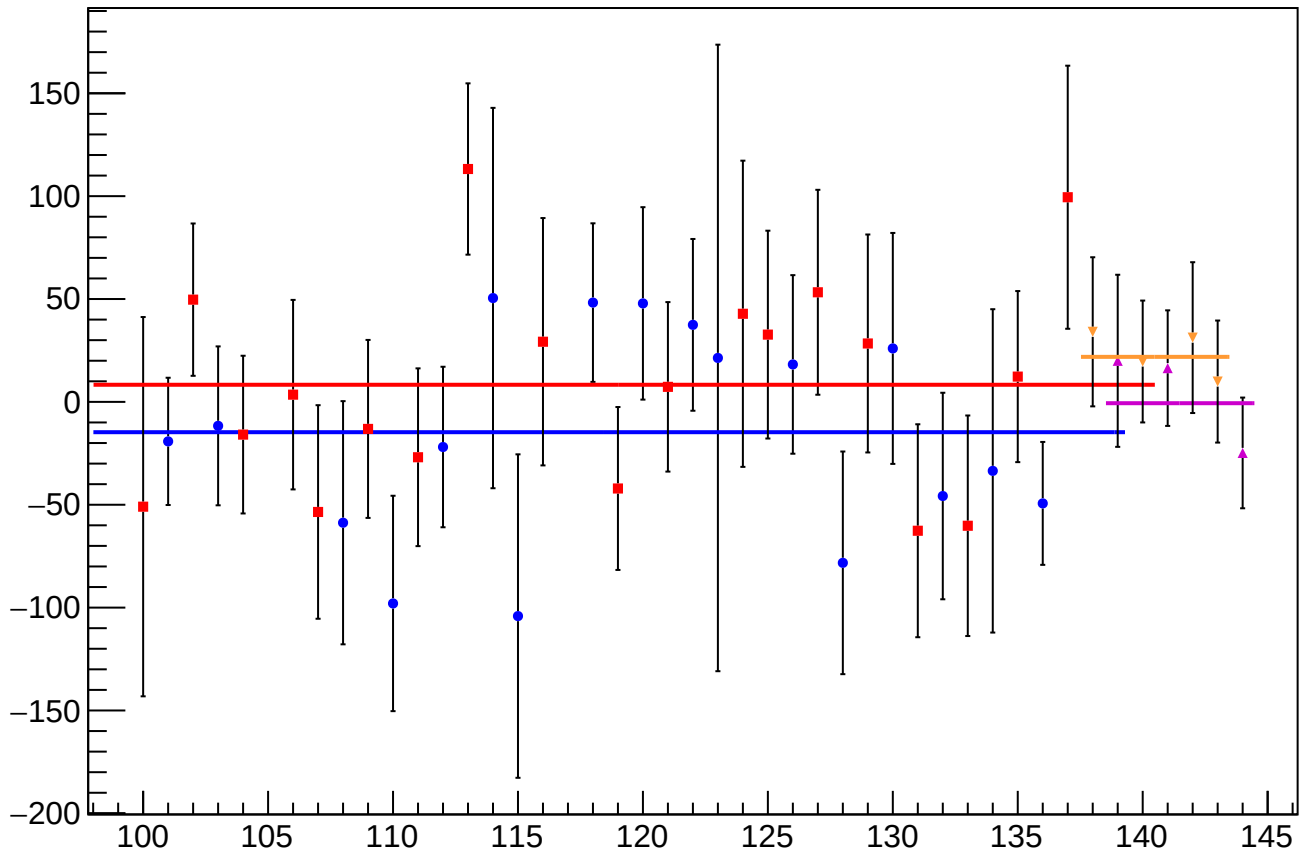
Left In: 2967.820+/-1.678 χ^2/NDF :1576792.9/2

+ sign 5196.749+/-1.397 χ^2/NDF : 4101280.6/20

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

- sign 4323.214+/-1.201 χ^2/NDF : 5079067.3/21

diff_bpm12X_mean vs Slug



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

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

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

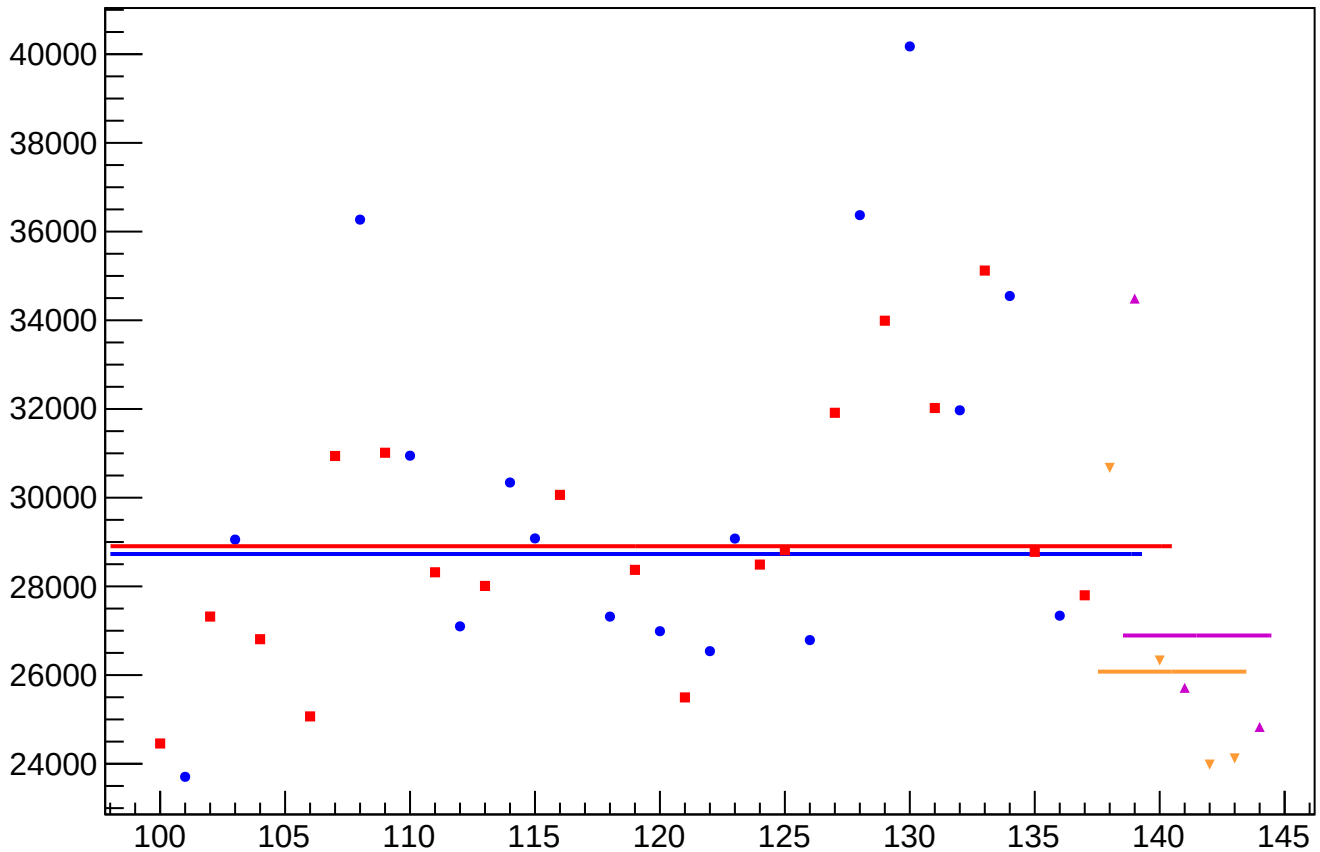
Left In: -0.641 ± 17.623 χ^2/NDF : 1.4/2

+ sign -2.898 ± 9.244 χ^2/NDF : 19.1/20

All: 1.455 ± 6.548 χ^2/NDF : 40.6/42

- sign 5.839 ± 9.278 χ^2/NDF : 21.1/21

diff_bpm12X_rms vs Slug



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

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

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

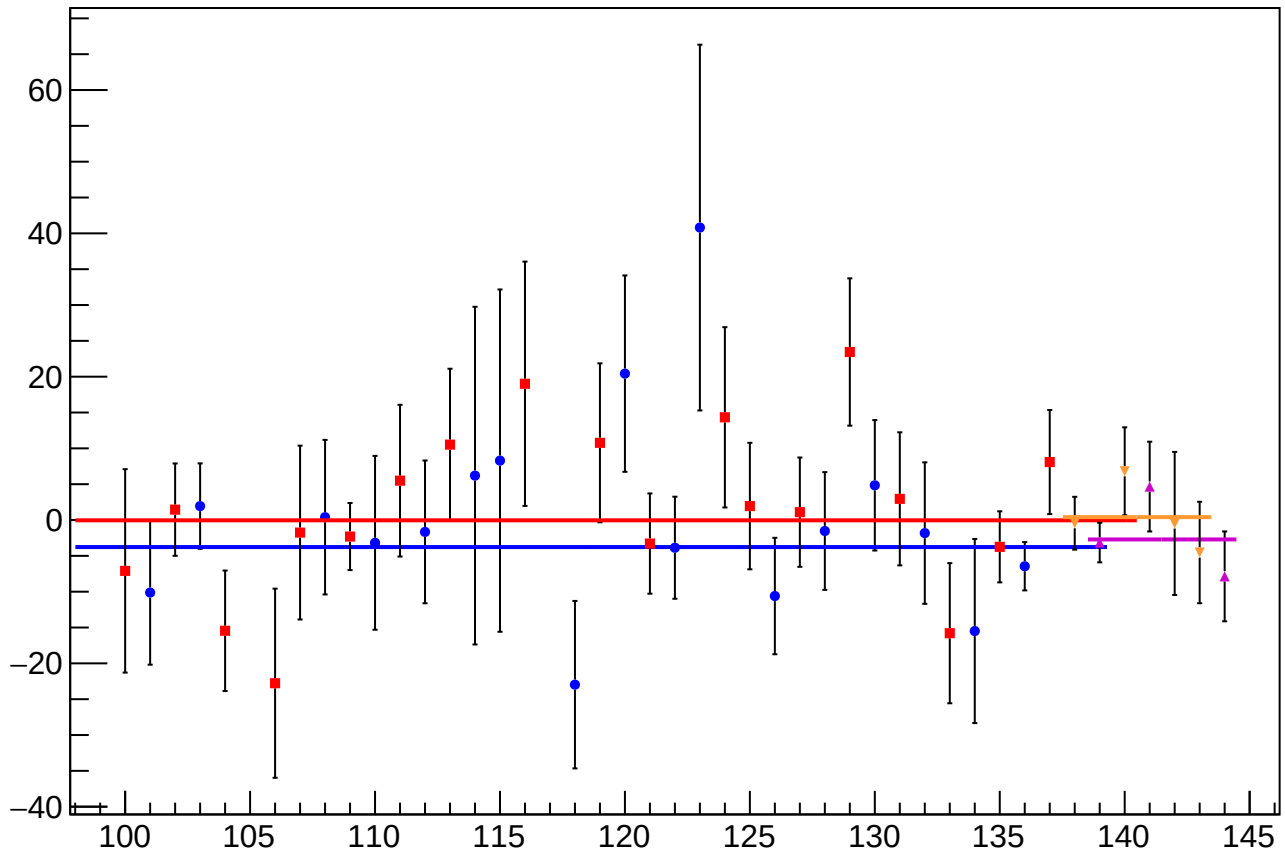
Left In: 26892.617+/-12.461 χ^2/NDF : 81245.7/2

+ sign 27872.722+/-6.537 χ^2/NDF : 338359.9/20

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

- sign 28347.829+/-6.560 χ^2/NDF : 212780.4/21

diff_bpm12Y_mean vs Slug



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

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

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

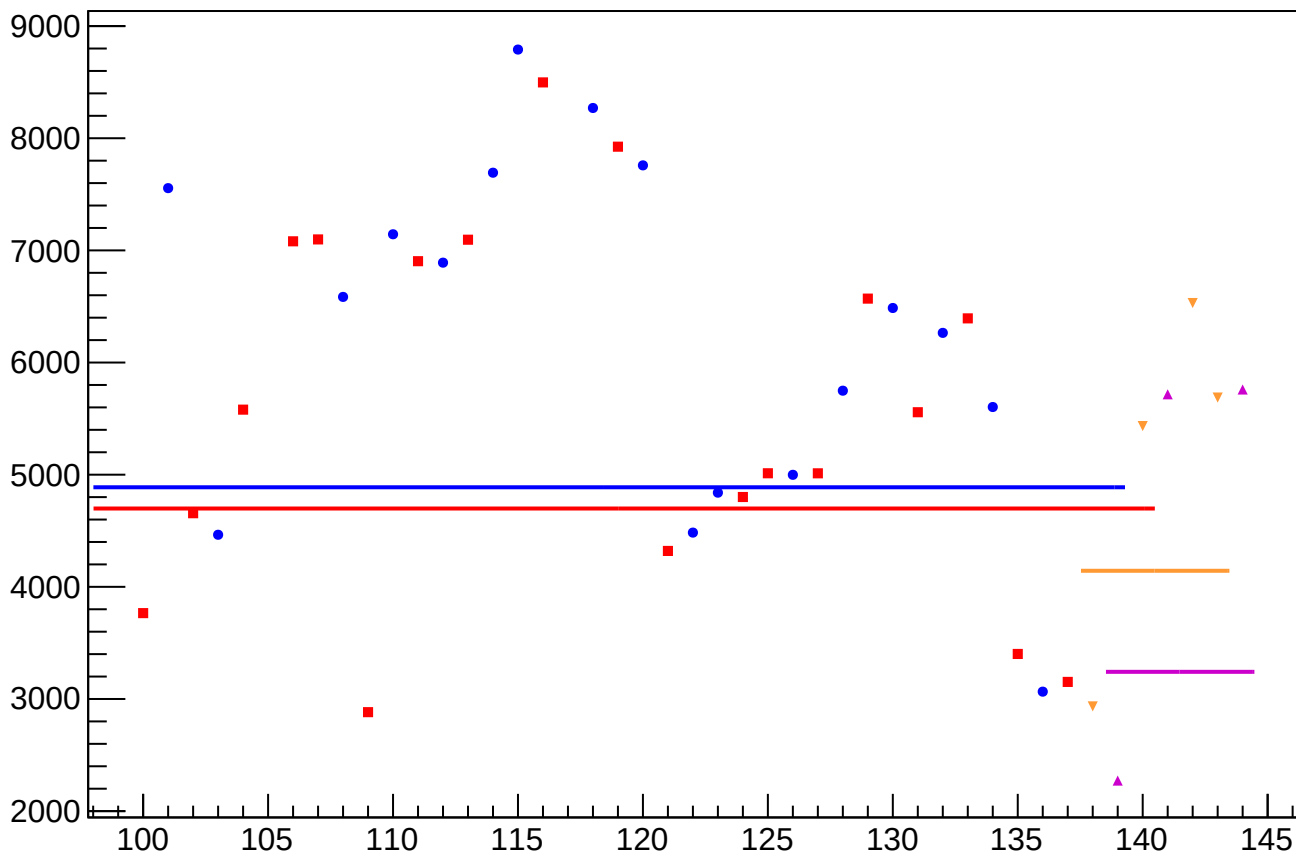
Left In: -2.710 ± 2.343 χ^2/NDF : 2.1/2

+ sign -2.333 ± 1.627 χ^2/NDF : 17.1/20

All: -1.653 ± 1.092 χ^2/NDF : 42.0/42

- sign -1.096 ± 1.473 χ^2/NDF : 24.5/21

diff_bpm12Y_rms vs Slug



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

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

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

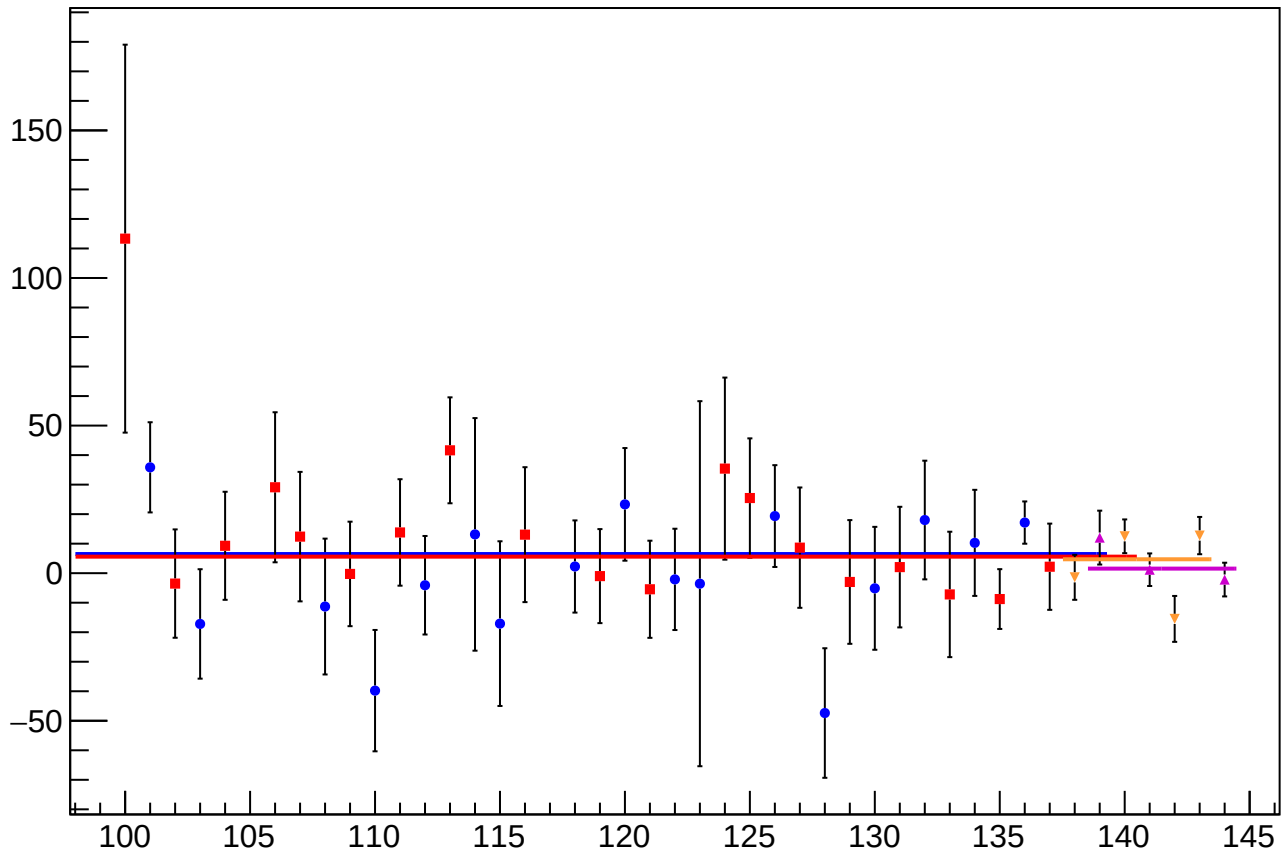
Left In: 3242.103+/-1.657 χ^2/NDF : 881480.7/2

+ sign 4631.054+/-1.151 χ^2/NDF : 2016757.5/20

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

- sign 4122.964+/-1.042 χ^2/NDF : 2664701.6/21

diff_bpm16X_mean vs Slug



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

Left Out: 4.710 ± 3.343 χ^2/NDF : 10.9/3

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

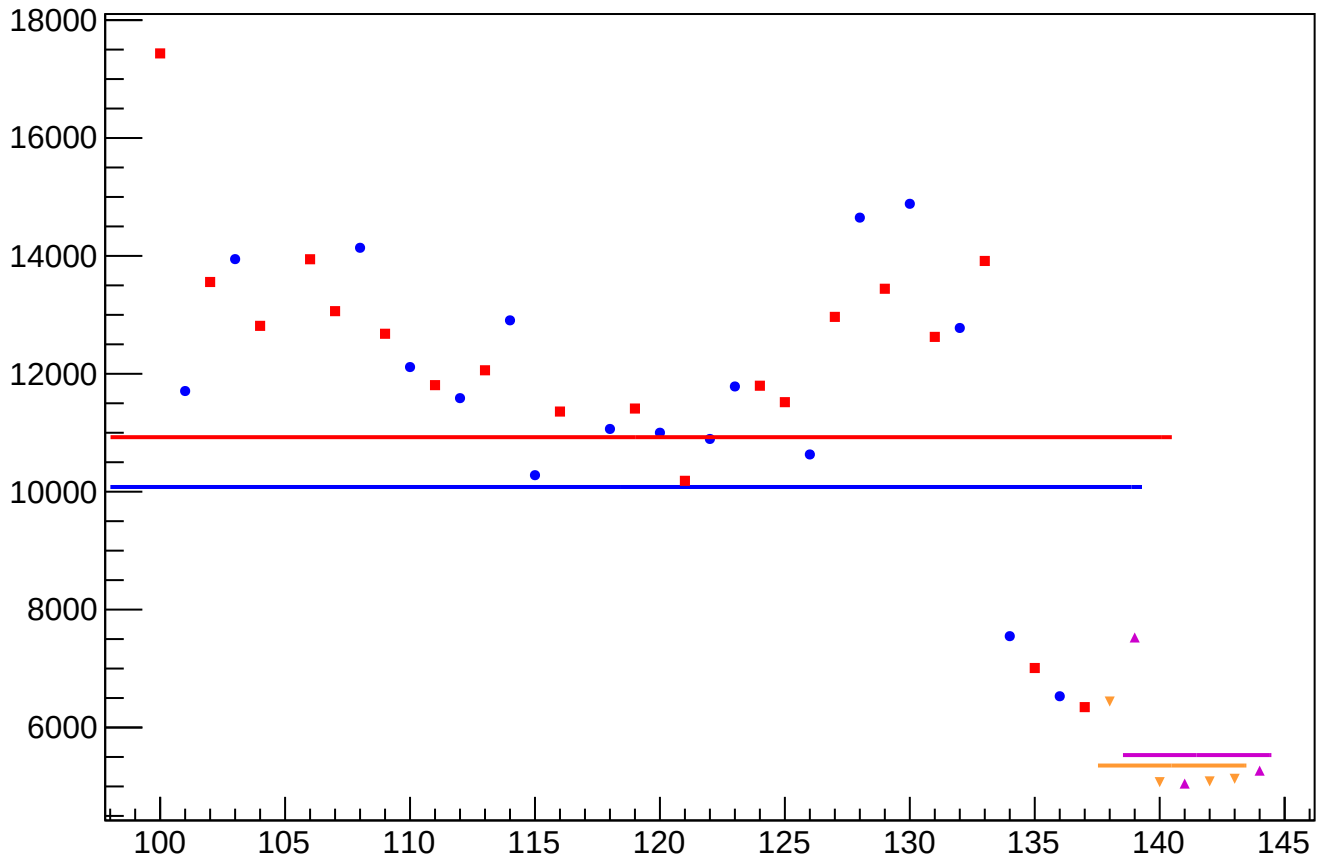
Left In: 1.548 ± 3.639 χ^2/NDF : 1.8/2

+ sign 5.424 ± 2.584 χ^2/NDF : 33.7/20

All: 4.418 ± 1.886 χ^2/NDF : 49.9/42

- sign 3.273 ± 2.758 χ^2/NDF : 15.8/21

diff_bpm16X_rms vs Slug



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

Left Out: 5354.748 $\pm$ 2.364 χ^2 /NDF: 50464.6/3

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

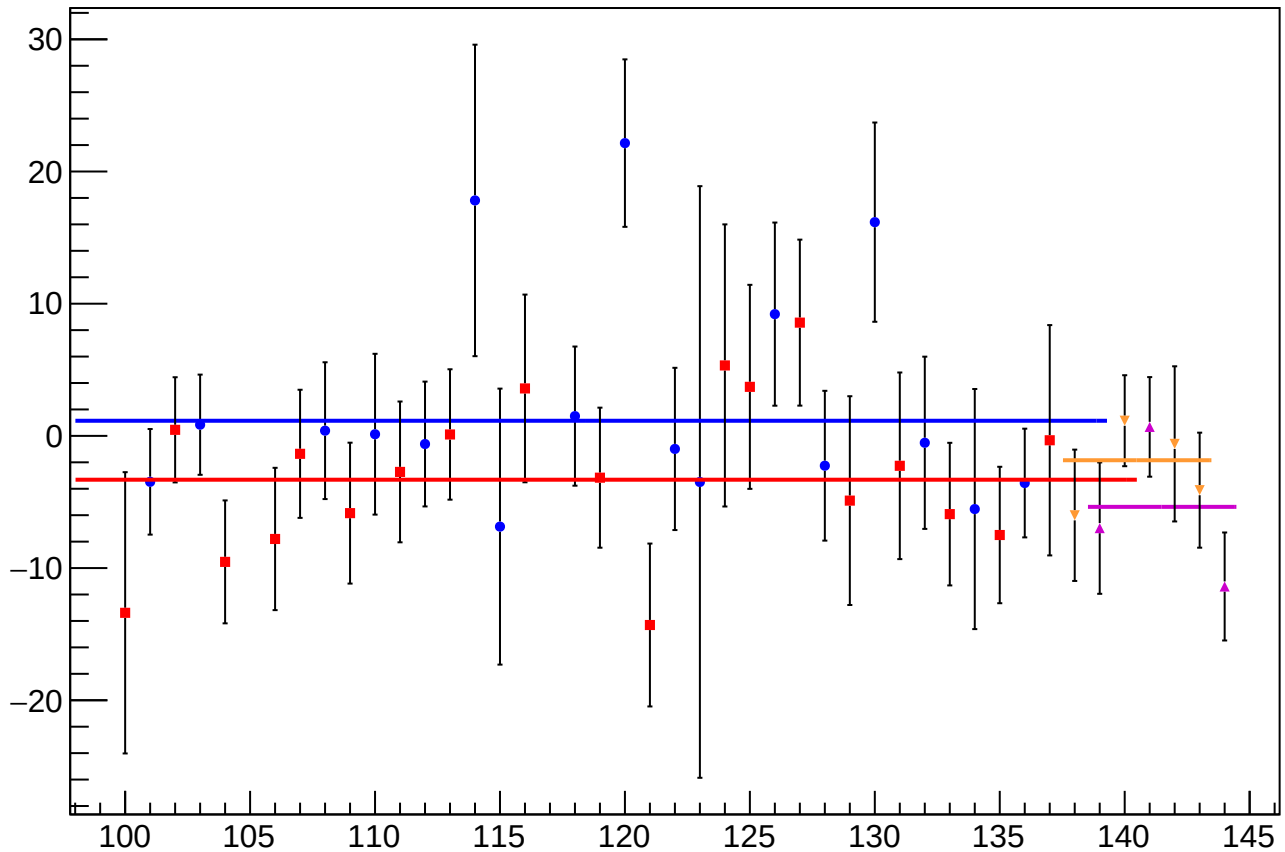
Left In: 5532.065 $\pm$ 2.573 χ^2 /NDF: 115215.0/2

+ sign 7257.371 $\pm$ 1.827 χ^2 /NDF: 2658448.9/20

All: 7524.064 $\pm$ 1.333 χ^2 /NDF: 5458495.2/42

- sign 7827.868 $\pm$ 1.950 χ^2 /NDF: 2754473.3/21

diff_bpm16Y_mean vs Slug



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

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

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

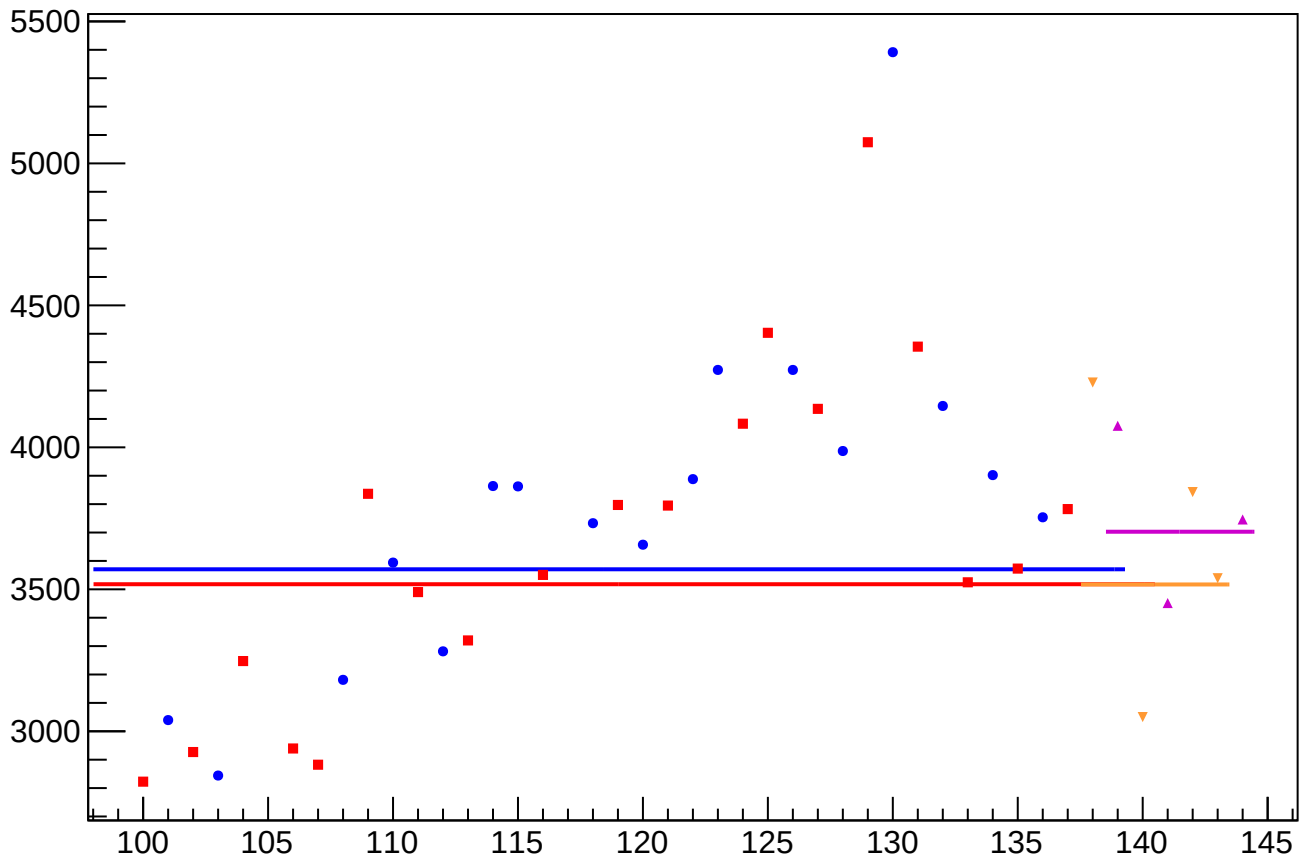
Left In: -5.369 ± 2.419 χ^2/NDF : 4.9/2

+ sign 0.285 ± 1.180 χ^2/NDF : 26.0/20

All: -1.774 ± 0.830 χ^2/NDF : 52.9/42

- sign -3.795 ± 1.169 χ^2/NDF : 20.8/21

diff_bpm16Y_rms vs Slug



Right In: 3570.545+/-0.988 χ^2/NDF : 310402.0/16

Left Out: 3517.106+/-1.555 χ^2/NDF : 84037.7/3

+ sign 3555.166+/-0.834 χ^2/NDF : 395281.0/20

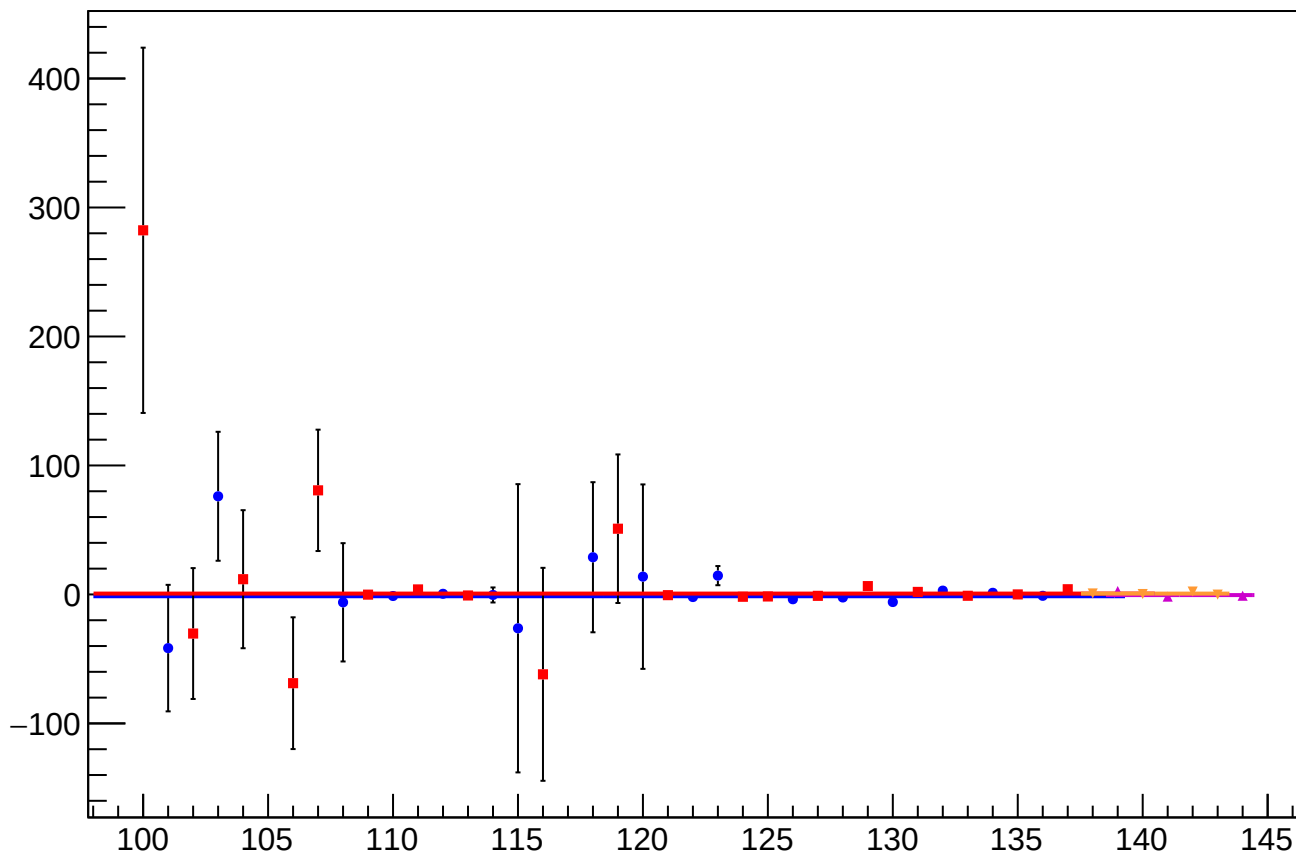
Right Out: 3517.953+/-0.944 χ^2/NDF : 296177.1/18

All: 3558.171+/-0.587 χ^2/NDF : 720821.1/42

- sign 3561.123+/-0.827 χ^2/NDF : 325514.3/21

Left In: 3702.820+/-1.711 χ^2/NDF : 20385.0/2

diff_bpm1p02bX_mean vs Slug



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

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

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

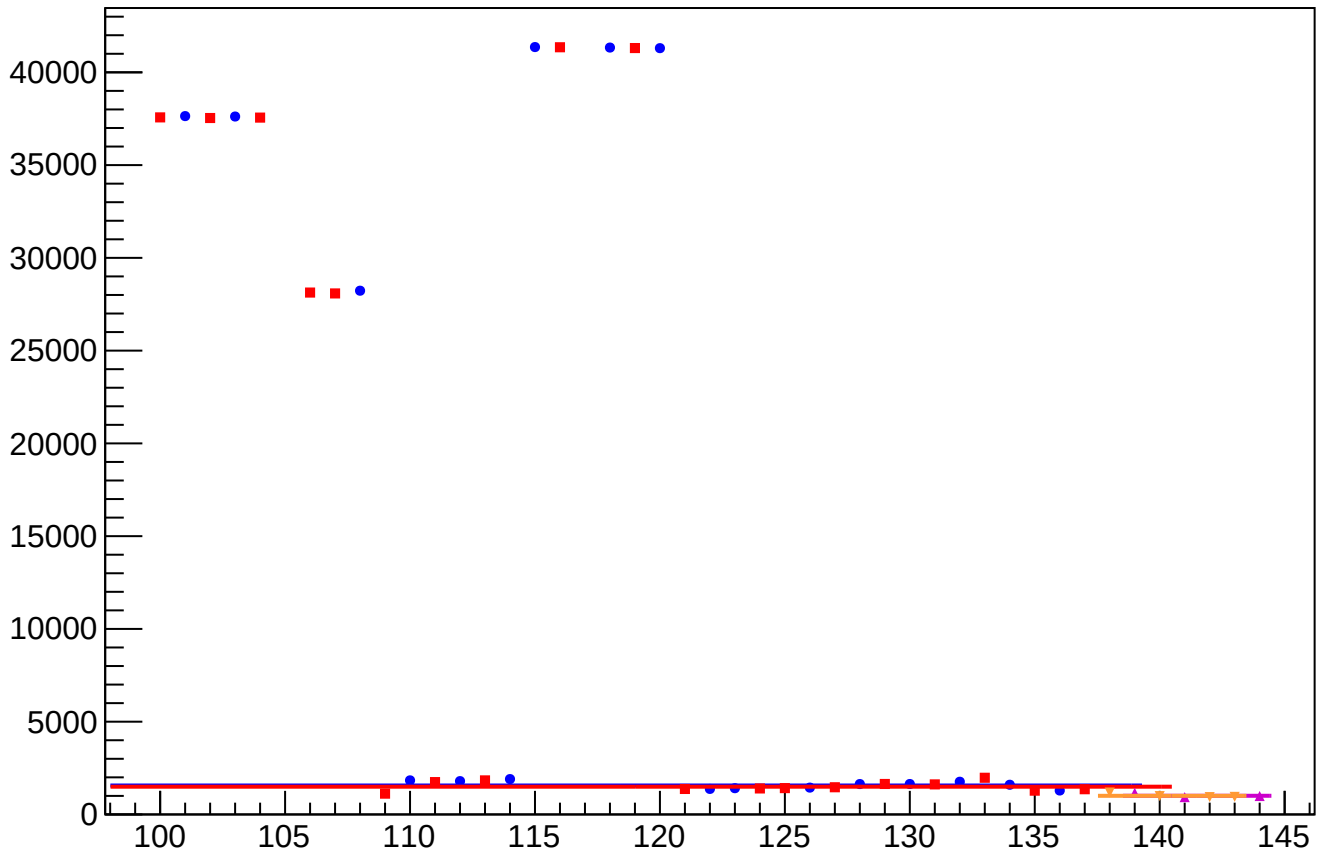
Left In: -0.503 ± 0.659 χ^2/NDF : 6.5/2

+ sign -0.194 ± 0.481 χ^2/NDF : 22.9/20

All: -0.081 ± 0.341 χ^2/NDF : 52.4/42

- sign 0.034 ± 0.484 χ^2/NDF : 29.4/21

diff_bpm1p02bX_rms vs Slug



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

Left Out: 1004.964 $\pm$ 0.442 χ^2 /NDF: 42402.6/3

+ sign 1232.773 $\pm$ 0.340 χ^2 /NDF: 5442000.5/20

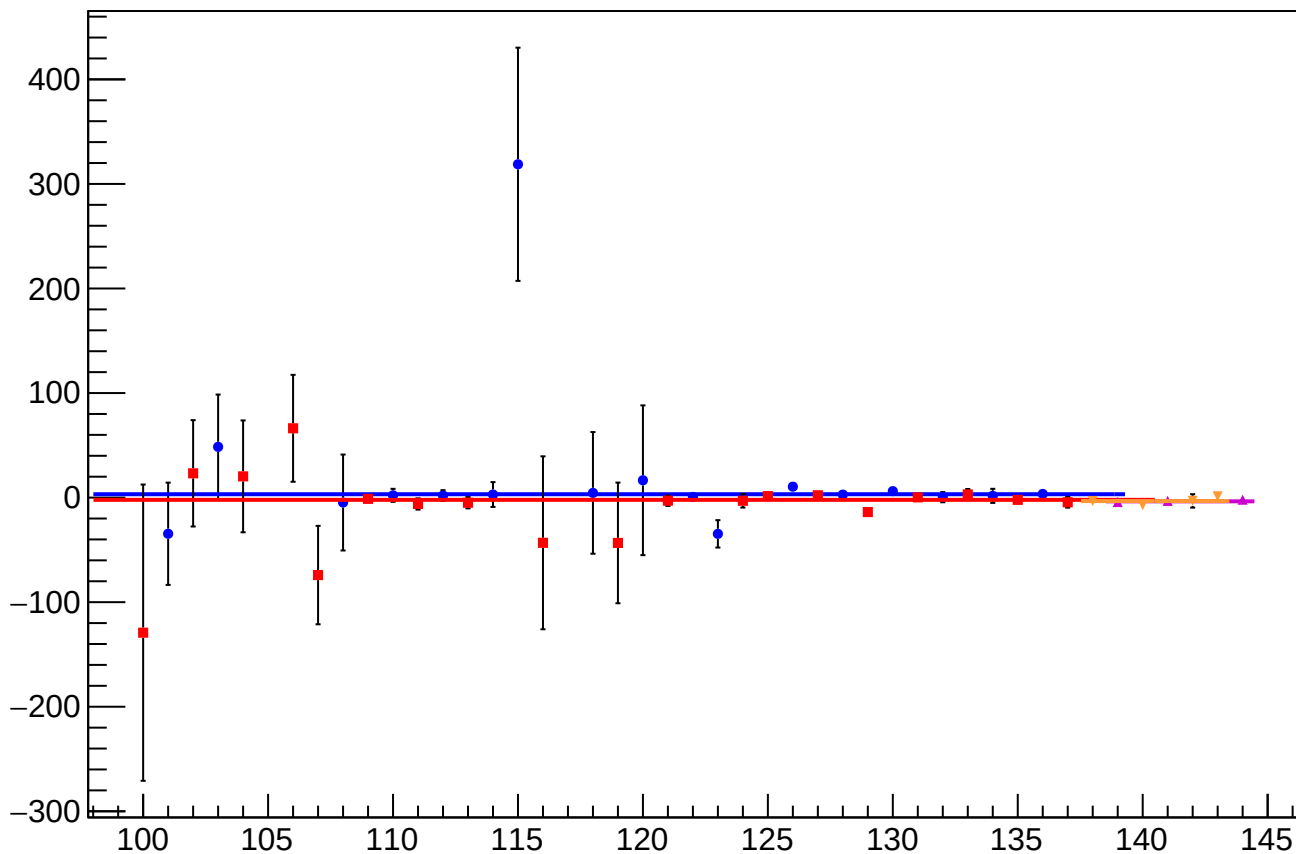
Right Out: 1496.346 $\pm$ 0.504 χ^2 /NDF: 4893466.6/18

All: 1232.460 $\pm$ 0.241 χ^2 /NDF: 10880217.7/4

Left In: 1006.757 $\pm$ 0.466 χ^2 /NDF: 35937.0/2

- sign 1232.143 $\pm$ 0.342 χ^2 /NDF: 5438215.5/21

diff_bpm1p02bY_mean vs Slug



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

Left Out: -3.303 ± 1.755 χ^2/NDF : 1.8/3

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

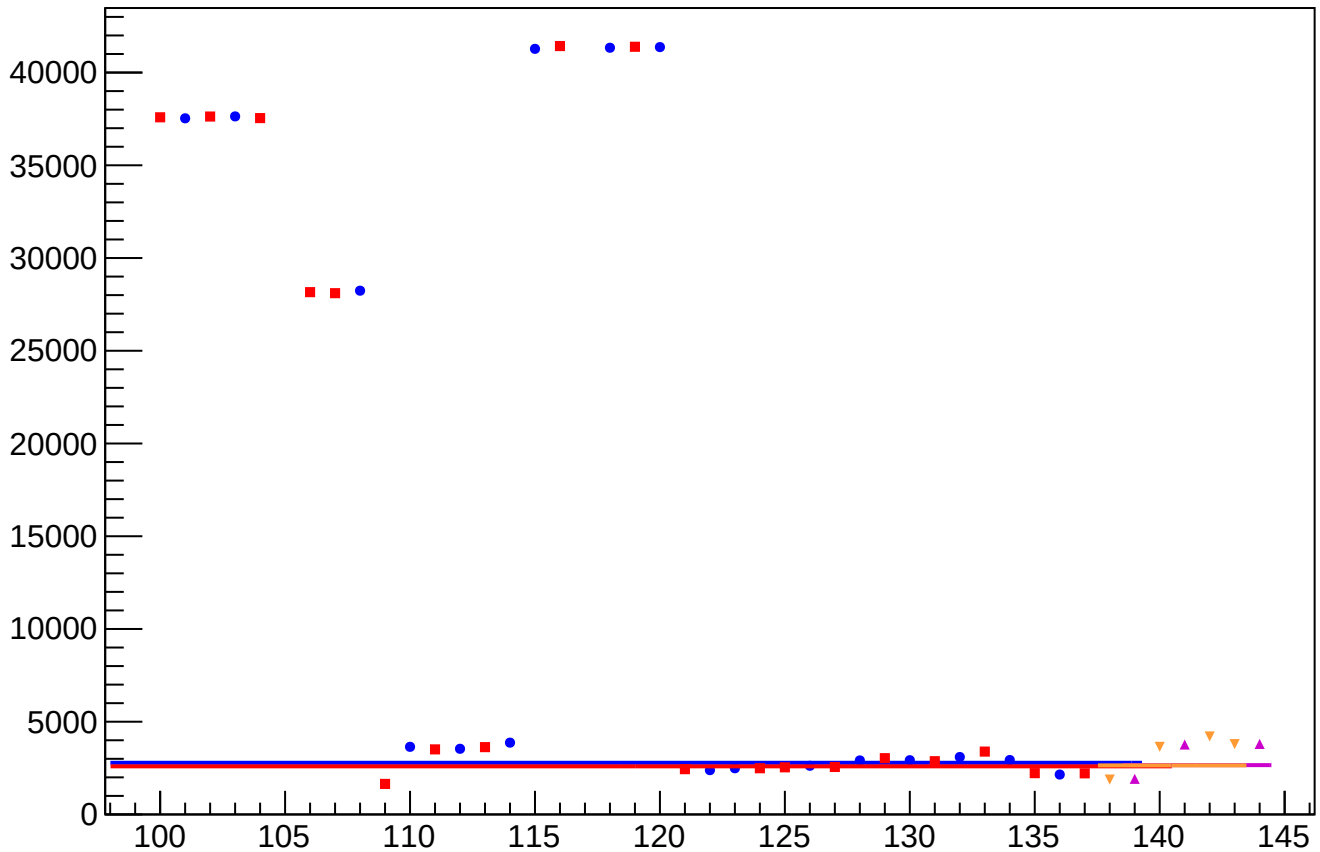
Left In: -3.547 ± 1.839 χ^2/NDF : 0.2/2

+ sign 0.853 ± 1.059 χ^2/NDF : 32.9/20

All: -0.914 ± 0.737 χ^2/NDF : 55.4/42

- sign -2.578 ± 1.028 χ^2/NDF : 17.2/21

diff_bpm1p02bY_rms vs Slug



Right In: 2786.135+/-0.939 χ^2/NDF : 4576694.3/16

Left Out: 2645.829+/-1.241 χ^2/NDF : 585163.1/3

Right Out: 2593.843+/-0.876 χ^2/NDF : 4848397.1/18

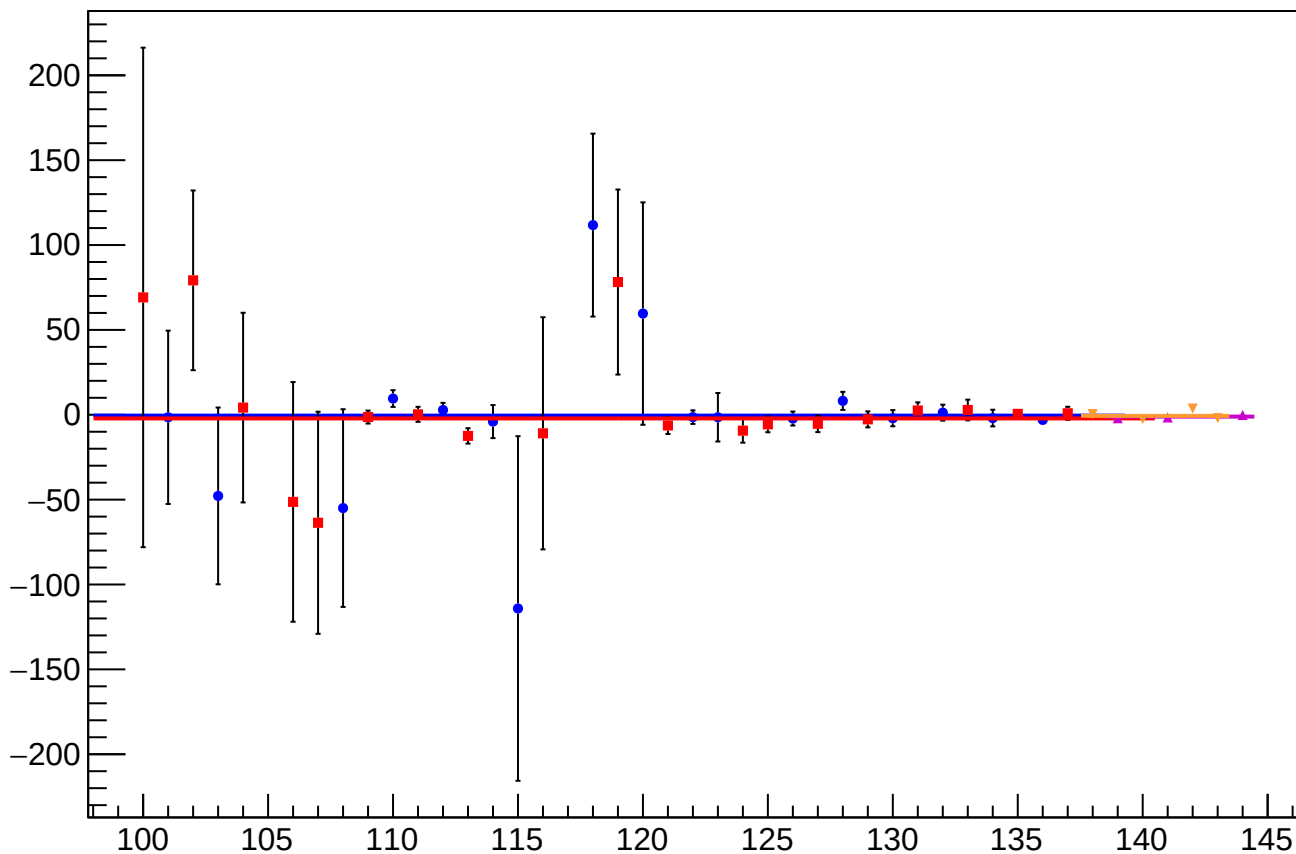
Left In: 2659.429+/-1.300 χ^2/NDF : 492383.8/2

+ sign 2735.051+/-0.749 χ^2/NDF : 5169988.8/20

All: 2672.888+/-0.521 χ^2/NDF : 10525907.7/4

- sign 2614.332+/-0.727 χ^2/NDF : 5342530.9/21

diff_bpm1p03aX_mean vs Slug



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

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

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

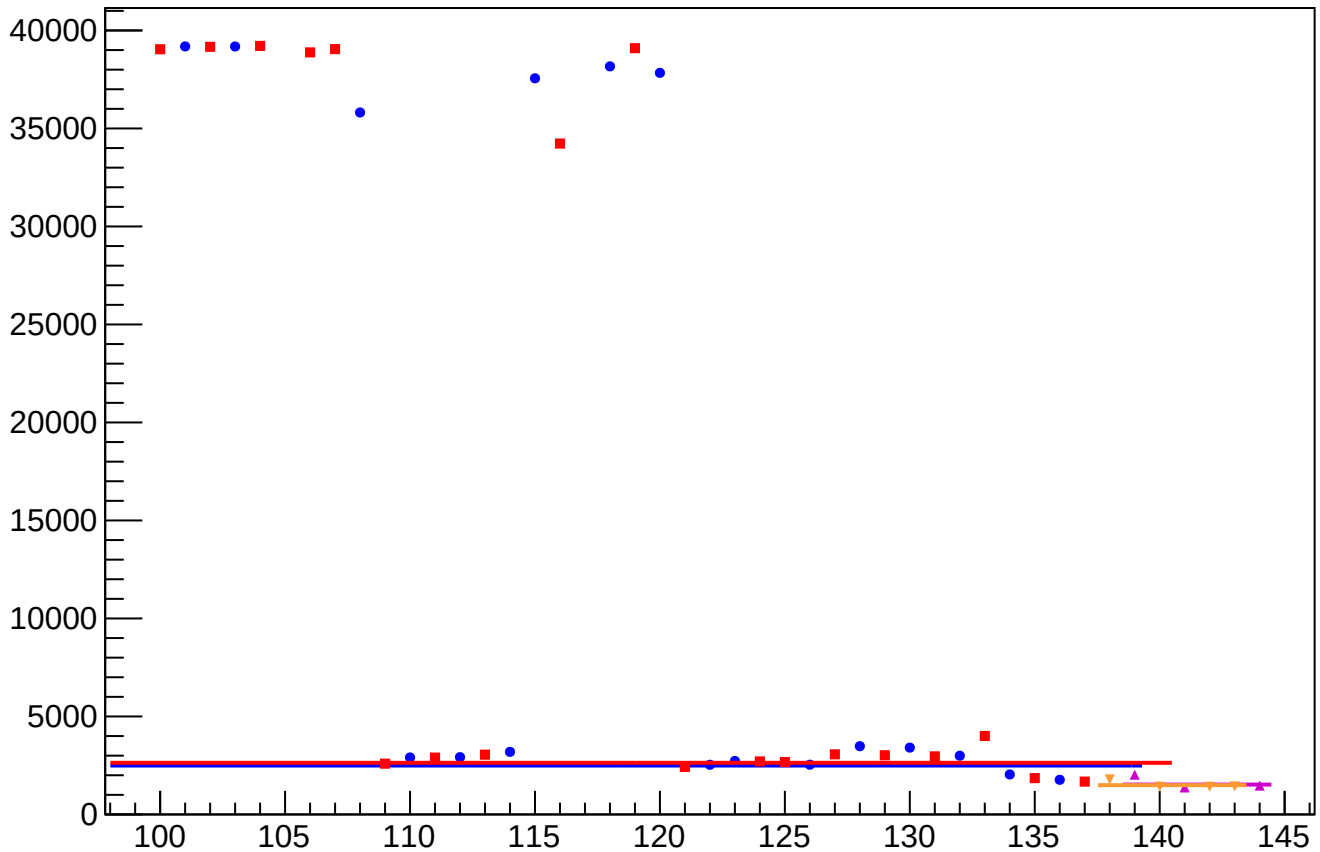
Left In: -1.079 ± 1.004 χ^2/NDF : 0.6/2

+ sign -0.602 ± 0.741 χ^2/NDF : 24.1/20

All: -1.026 ± 0.538 χ^2/NDF : 43.5/42

- sign -1.500 ± 0.783 χ^2/NDF : 18.7/21

diff_bpm1p03aX_rms vs Slug



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

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

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

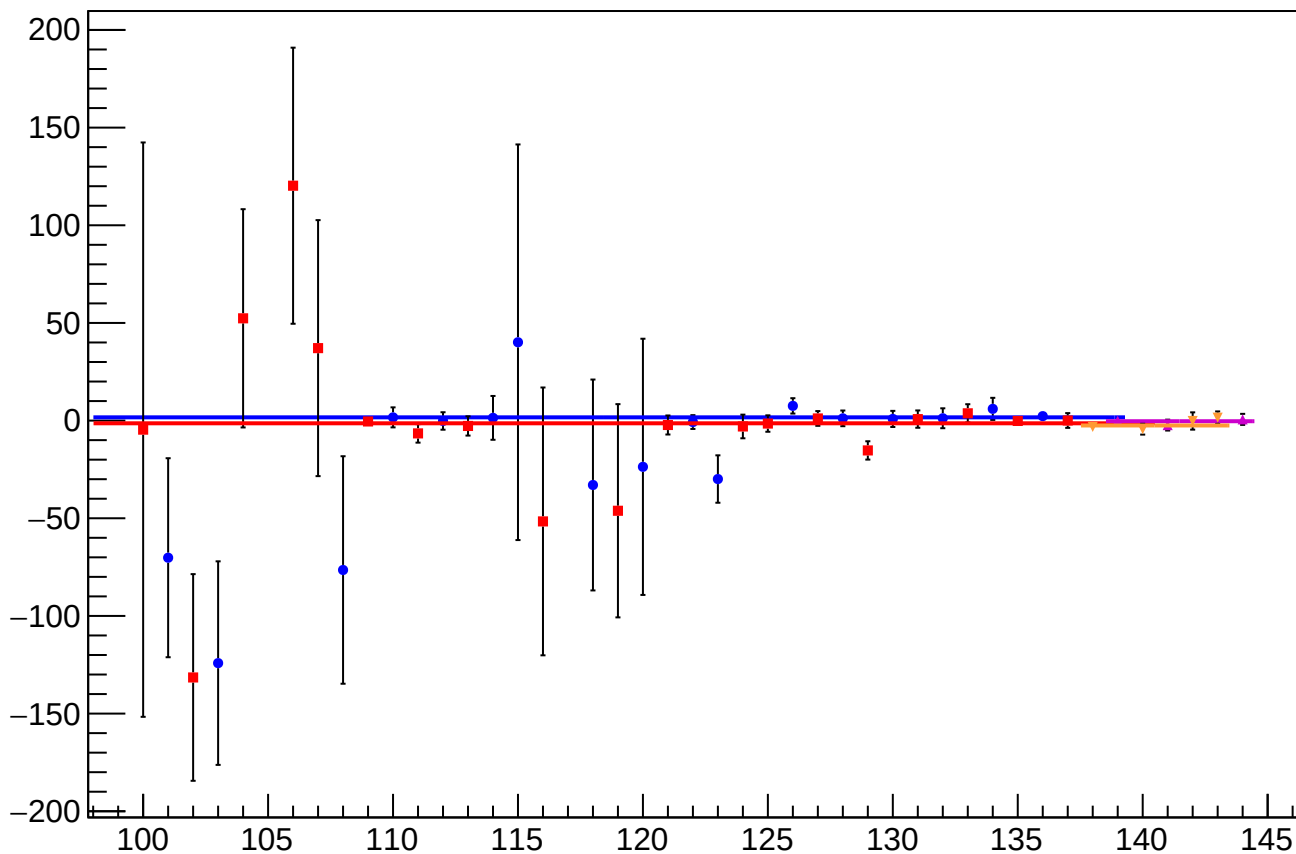
Left In: 1523.900+/-0.710 χ^2/NDF : 105105.1/2

+ sign 1862.961+/-0.524 χ^2/NDF : 5786359.7/20

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

- sign 1959.274+/-0.553 χ^2/NDF : 5926934.9/21

diff_bpm1p03aY_mean vs Slug



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

Left Out: -2.494 ± 1.262 χ^2/NDF : 2.5/3

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

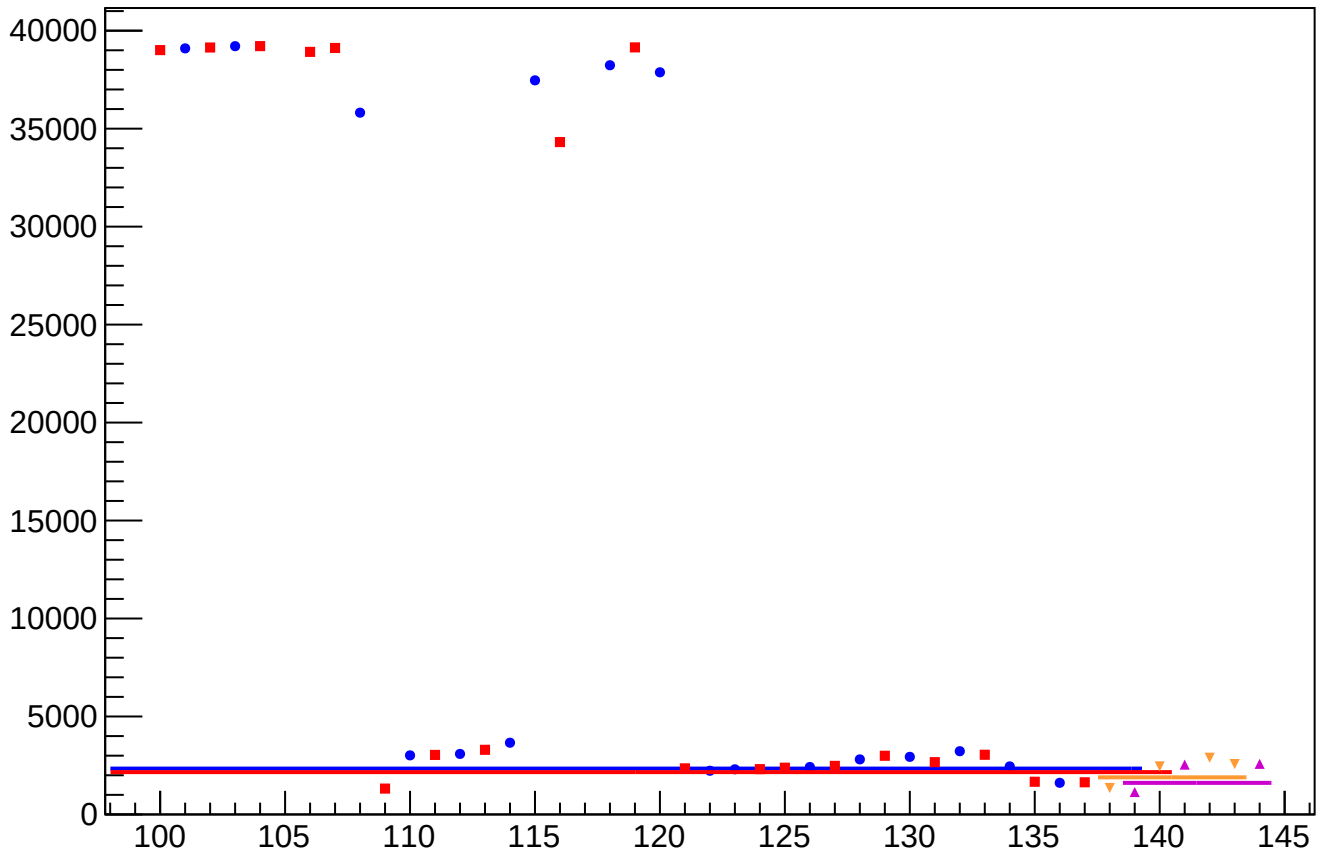
Left In: -0.319 ± 1.138 χ^2/NDF : 0.7/2

+ sign -0.211 ± 0.849 χ^2/NDF : 29.2/20

All: -0.577 ± 0.573 χ^2/NDF : 54.7/42

- sign -0.884 ± 0.778 χ^2/NDF : 25.2/21

diff_bpm1p03aY_rms vs Slug



Right In: 2341.220+/-0.810 χ^2/NDF : 5006482.9/16

Left Out: 1894.819+/-0.893 χ^2/NDF : 478979.5/3

Right Out: 2161.211+/-0.753 χ^2/NDF : 5301782.5/18

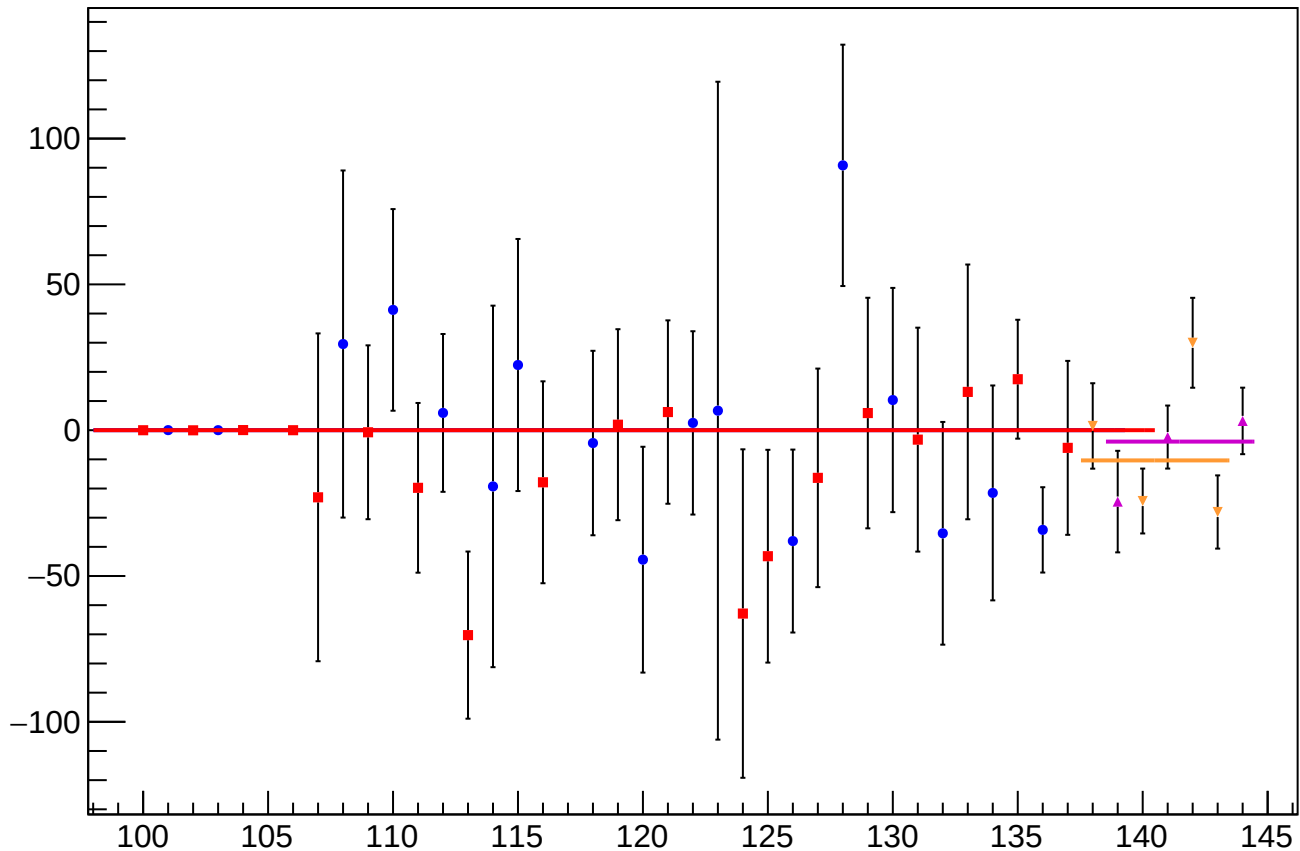
Left In: 1611.767+/-0.804 χ^2/NDF : 686270.7/2

+ sign 2139.495+/-0.600 χ^2/NDF : 5622547.5/20

All: 2011.735+/-0.405 χ^2/NDF : 11942570.2/4

- sign 1904.457+/-0.550 χ^2/NDF : 6236621.5/21

diff_cav4bX_mean vs Slug



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

Left Out: -10.360 ± 6.552 χ^2/NDF : 11.0/3

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

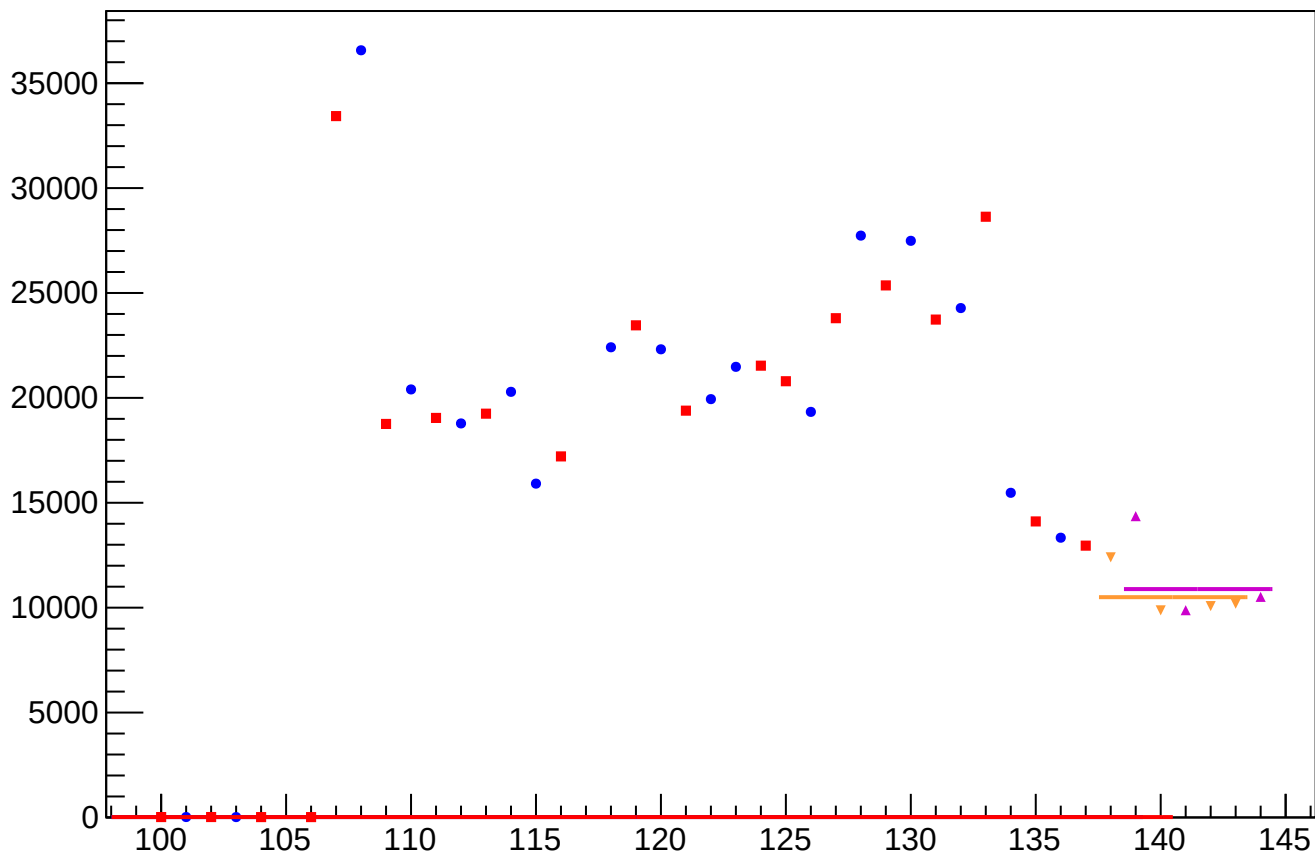
Left In: -3.910 ± 7.152 χ^2/NDF : 1.8/2

+ sign 0.013 ± 0.017 χ^2/NDF : 30.2/20

All: 0.008 ± 0.012 χ^2/NDF : 48.0/42

- sign 0.003 ± 0.016 χ^2/NDF : 17.6/21

diff_cav4bX_rms vs Slug



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

Left Out: 10500.246+/-4.633 χ^2/NDF : 42743.1/3

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

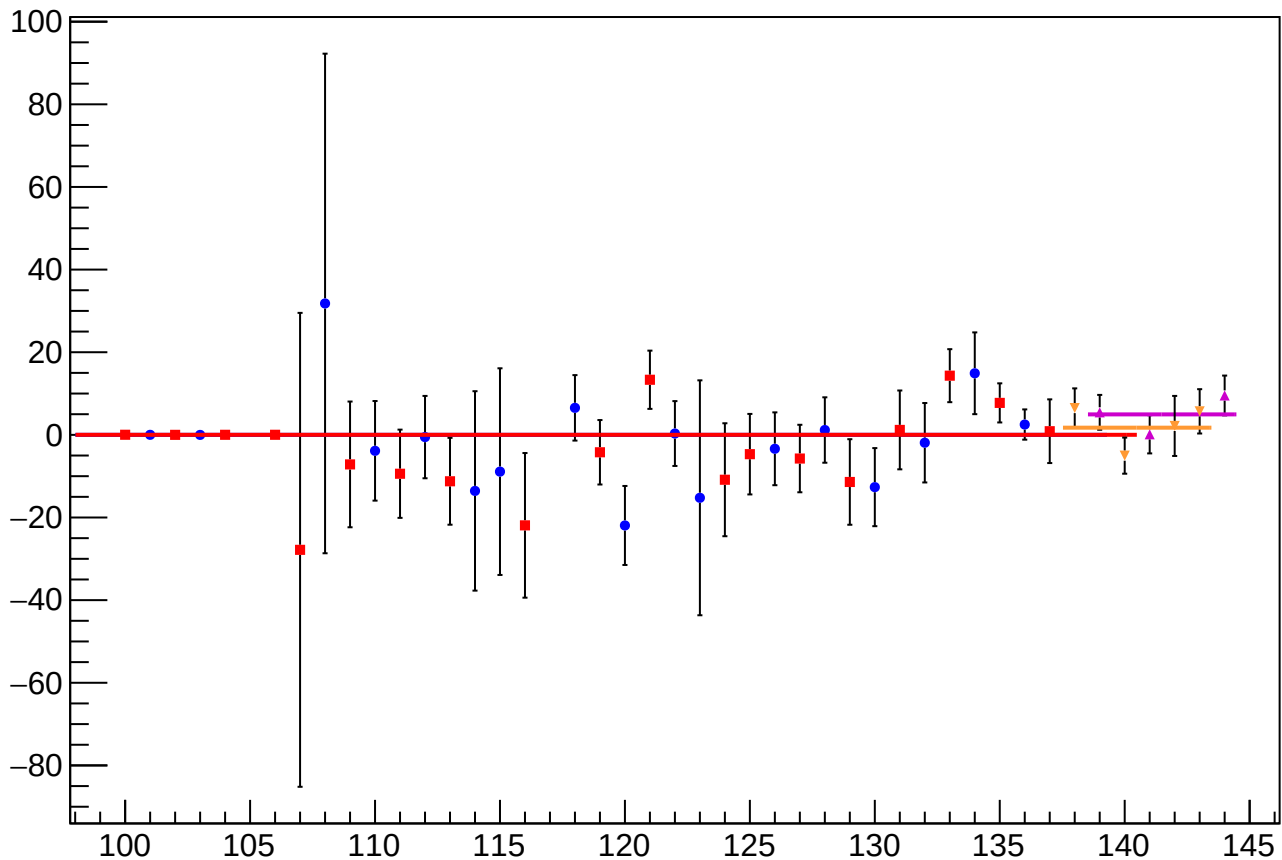
Left In: 10885.923+/-5.057 χ^2/NDF : 99162.8/2

+ sign 18.715+/-0.012 χ^2/NDF : 16102822.0/20

All: 18.527+/-0.008 χ^2/NDF : 31883693.8/42

- sign 18.366+/-0.011 χ^2/NDF : 15780436.7/21

diff_cav4bY_mean vs Slug



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

Left Out: 1.740 $\pm$ 2.581 χ^2 /NDF: 3.9/3

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

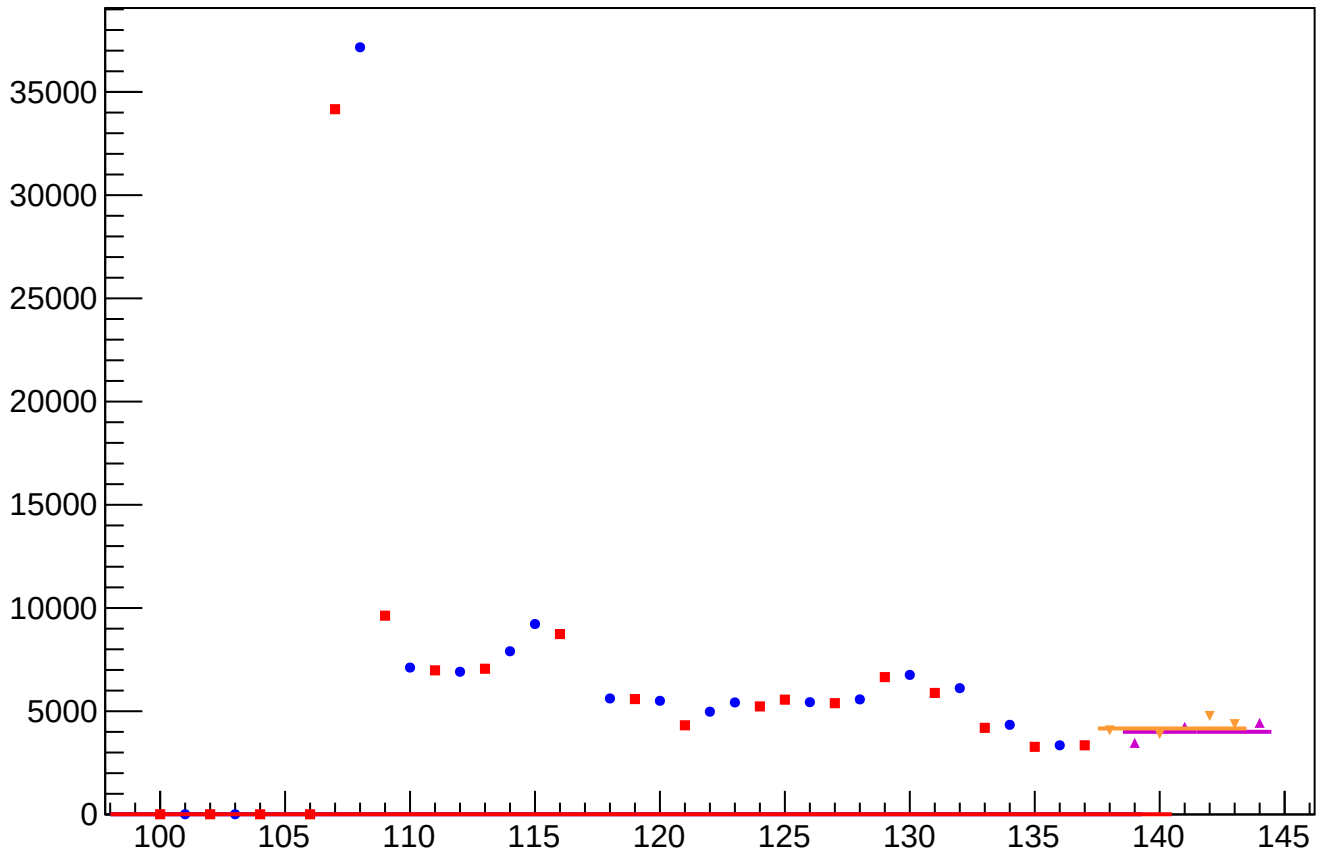
Left In: 4.956 $\pm$ 2.616 χ^2 /NDF: 2.0/2

+ sign 0.001 $\pm$ 0.009 χ^2 /NDF: 17.3/20

All: 0.008 $\pm$ 0.006 χ^2 /NDF: 42.8/42

- sign 0.014 $\pm$ 0.009 χ^2 /NDF: 24.3/21

diff_cav4bY_rms vs Slug



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

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

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

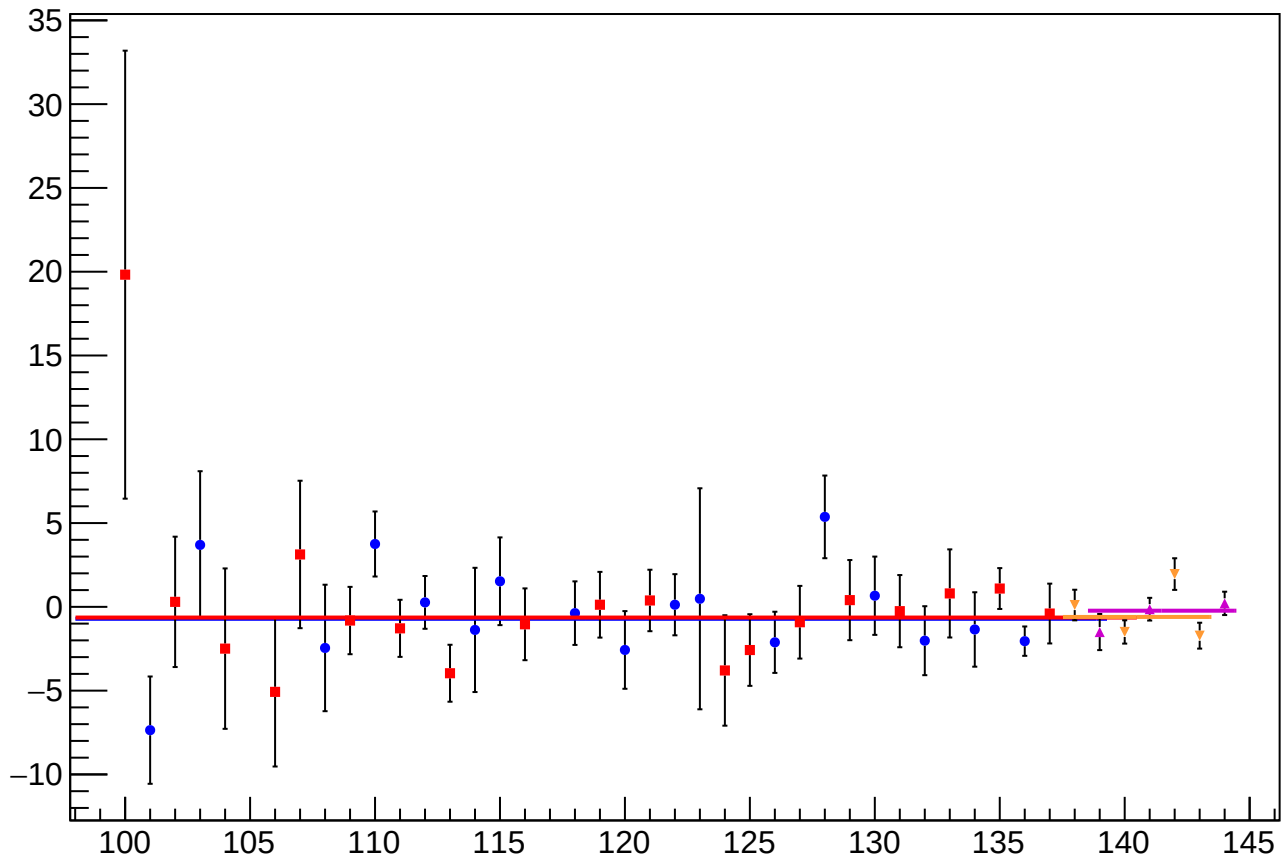
Left In: 4003.198+/-1.850 χ^2/NDF : 54046.4/2

+ sign 9.991+/-0.007 χ^2/NDF : 16274614.5/20

All: 9.942+/-0.004 χ^2/NDF : 32104291.2/42

- sign 9.898+/-0.006 χ^2/NDF : 15829566.4/21

diff_cav4cX_mean vs Slug



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

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

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

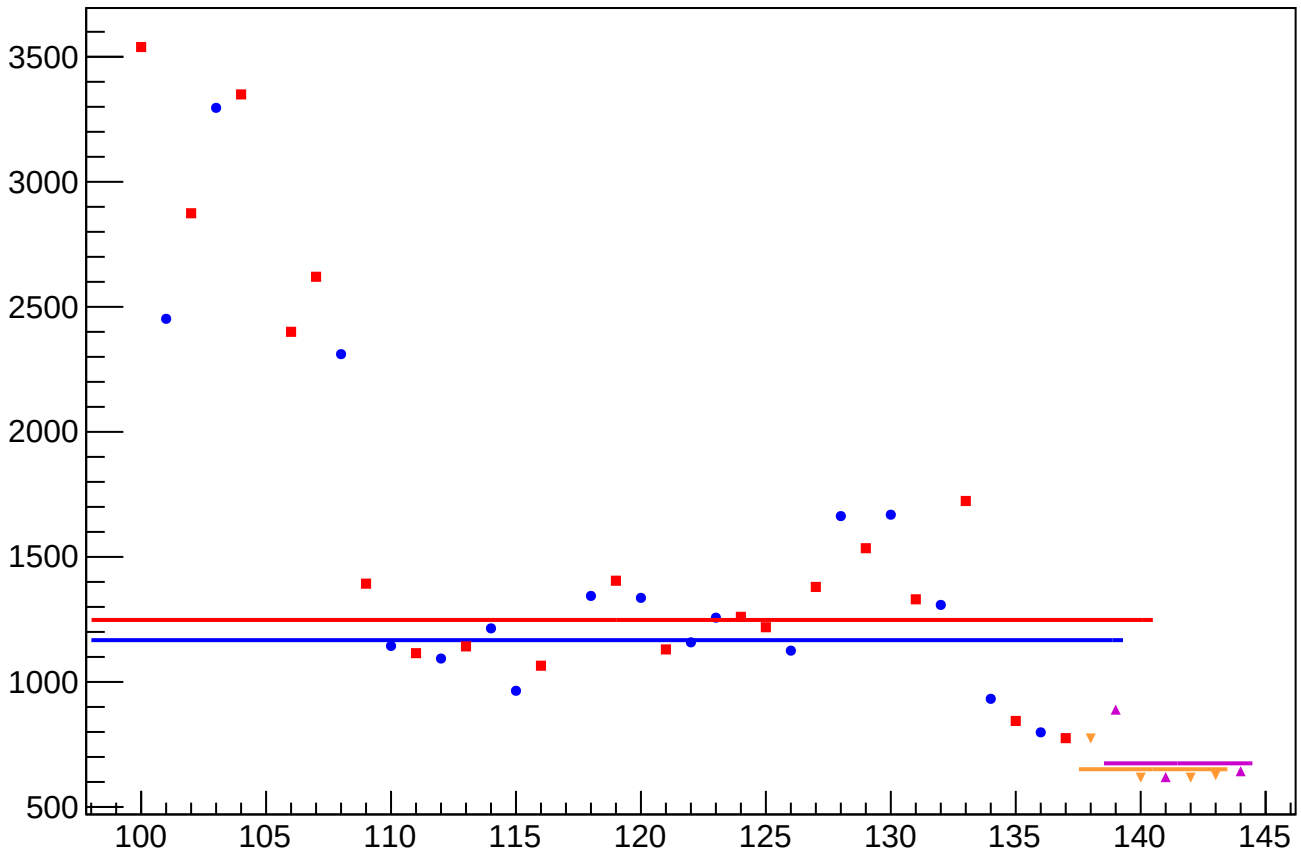
Left In: -0.229 ± 0.443 χ^2/NDF : 1.8/2

+ sign -0.648 ± 0.311 χ^2/NDF : 34.4/20

All: -0.536 ± 0.227 χ^2/NDF : 50.0/42

- sign -0.408 ± 0.332 χ^2/NDF : 15.2/21

diff_cav4cX_rms vs Slug



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

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

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

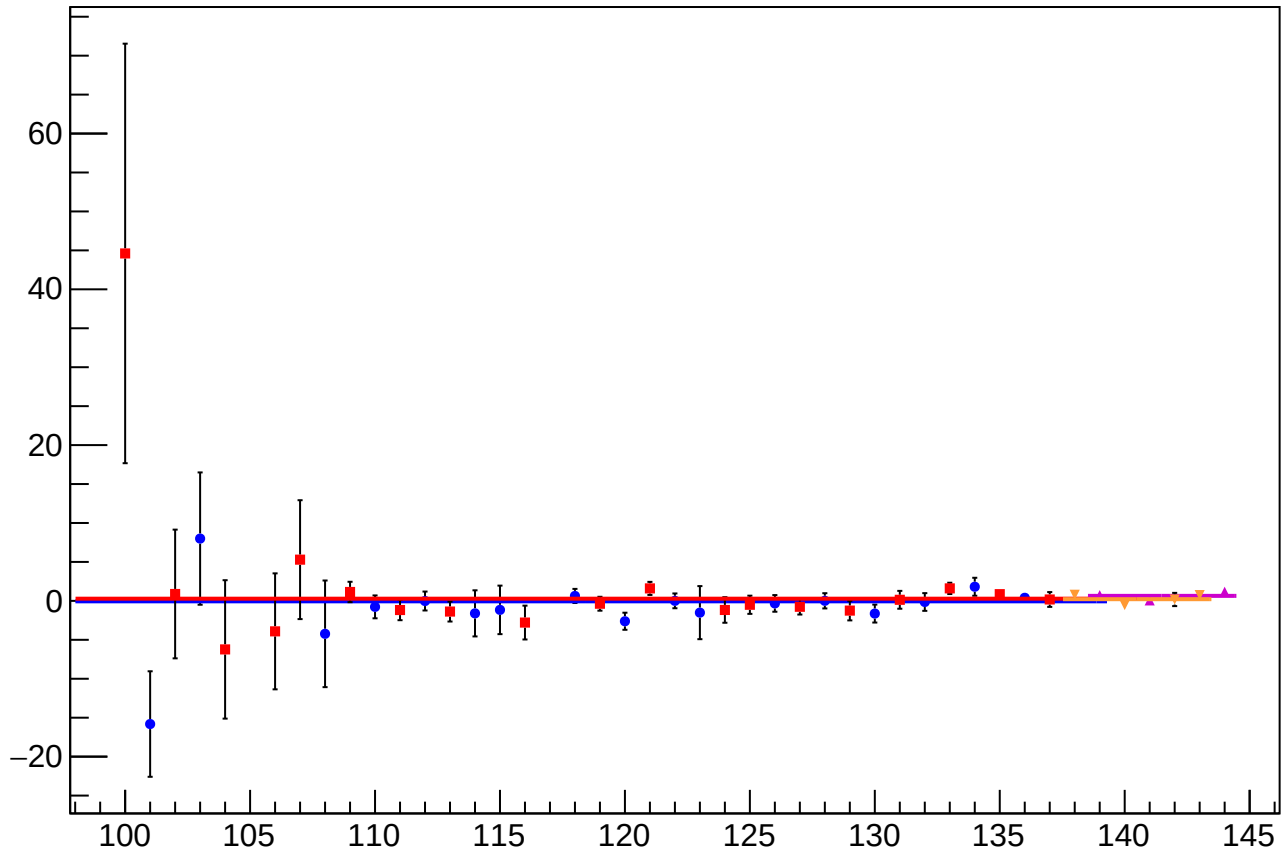
Left In: 674.492+/-0.313 χ^2/NDF : 96690.1/2

+ sign 864.588+/-0.220 χ^2/NDF : 2963717.6/20

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

- sign 925.724+/-0.235 χ^2/NDF : 3219325.5/21

diff_cav4cY_mean vs Slug



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

Left Out: 0.215 ± 0.305 $\chi^2/\text{NDF}: 3.9/3$

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

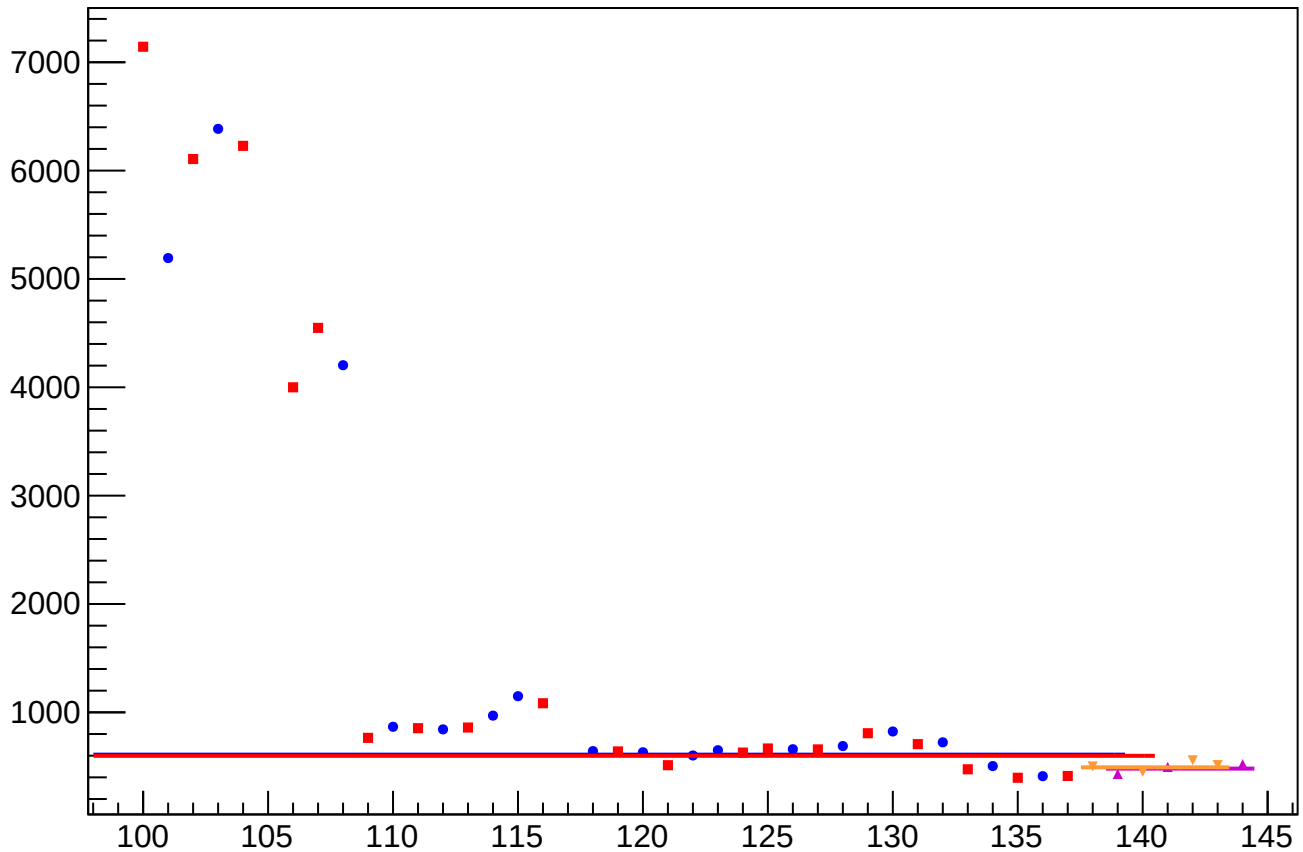
Left In: 0.642 ± 0.313 $\chi^2/\text{NDF}: 2.1/2$

+ sign 0.060 ± 0.202 $\chi^2/\text{NDF}: 23.5/20$

All: 0.245 ± 0.143 $\chi^2/\text{NDF}: 48.5/42$

- sign 0.431 ± 0.202 $\chi^2/\text{NDF}: 23.4/21$

diff_cav4cY_rms vs Slug



Right In: 609.385 $\pm$ 0.190 χ^2 /NDF: 3134318.6/16

Left Out: 492.566 $\pm$ 0.216 χ^2 /NDF: 27916.3/3

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

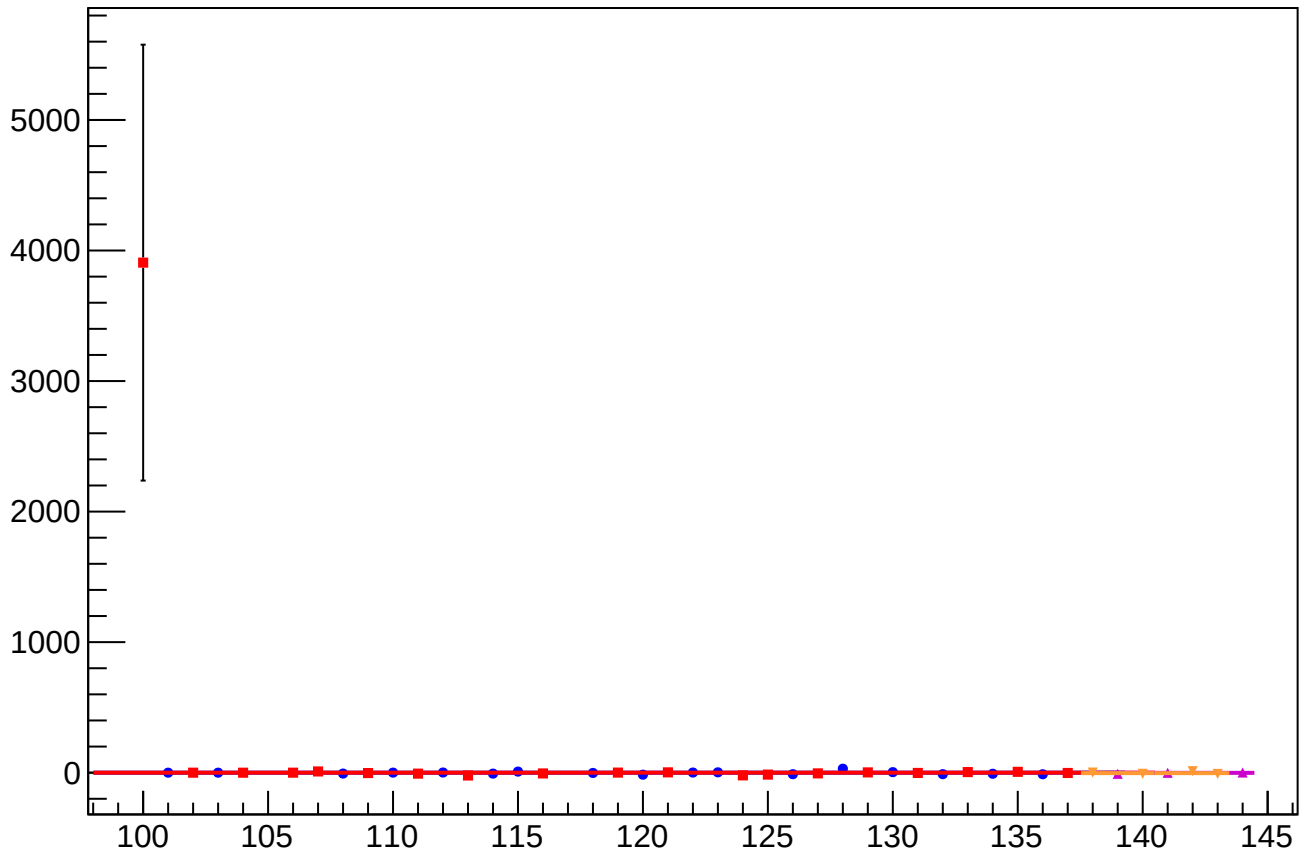
Left In: 480.699 $\pm$ 0.222 χ^2 /NDF: 29949.2/2

+ sign 558.310 $\pm$ 0.143 χ^2 /NDF: 3327147.3/20

All: 554.008 $\pm$ 0.101 χ^2 /NDF: 7077146.5/42

- sign 549.693 $\pm$ 0.143 χ^2 /NDF: 3748178.5/21

diff_cav4dX_mean vs Slug



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

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

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

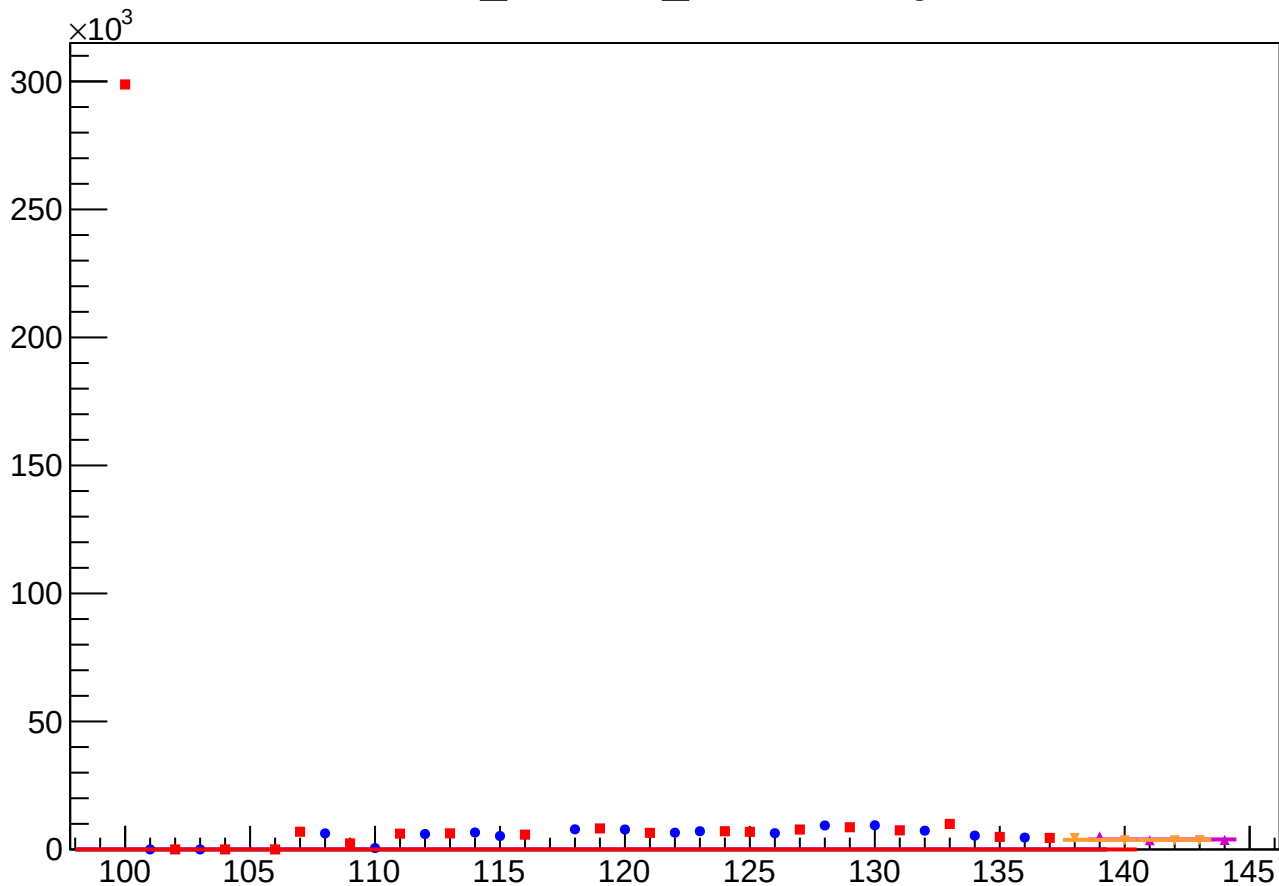
Left In: -1.289 ± 2.559 χ^2/NDF : 1.8/2

+ sign -0.022 ± 0.021 χ^2/NDF : 29.8/20

All: -0.024 ± 0.014 χ^2/NDF : 49.4/42

- sign -0.027 ± 0.020 χ^2/NDF : 19.5/21

diff_cav4dX_rms vs Slug



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

Left Out: 3758.451 $\pm$ 1.657 χ^2 /NDF: 43361.0/3

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

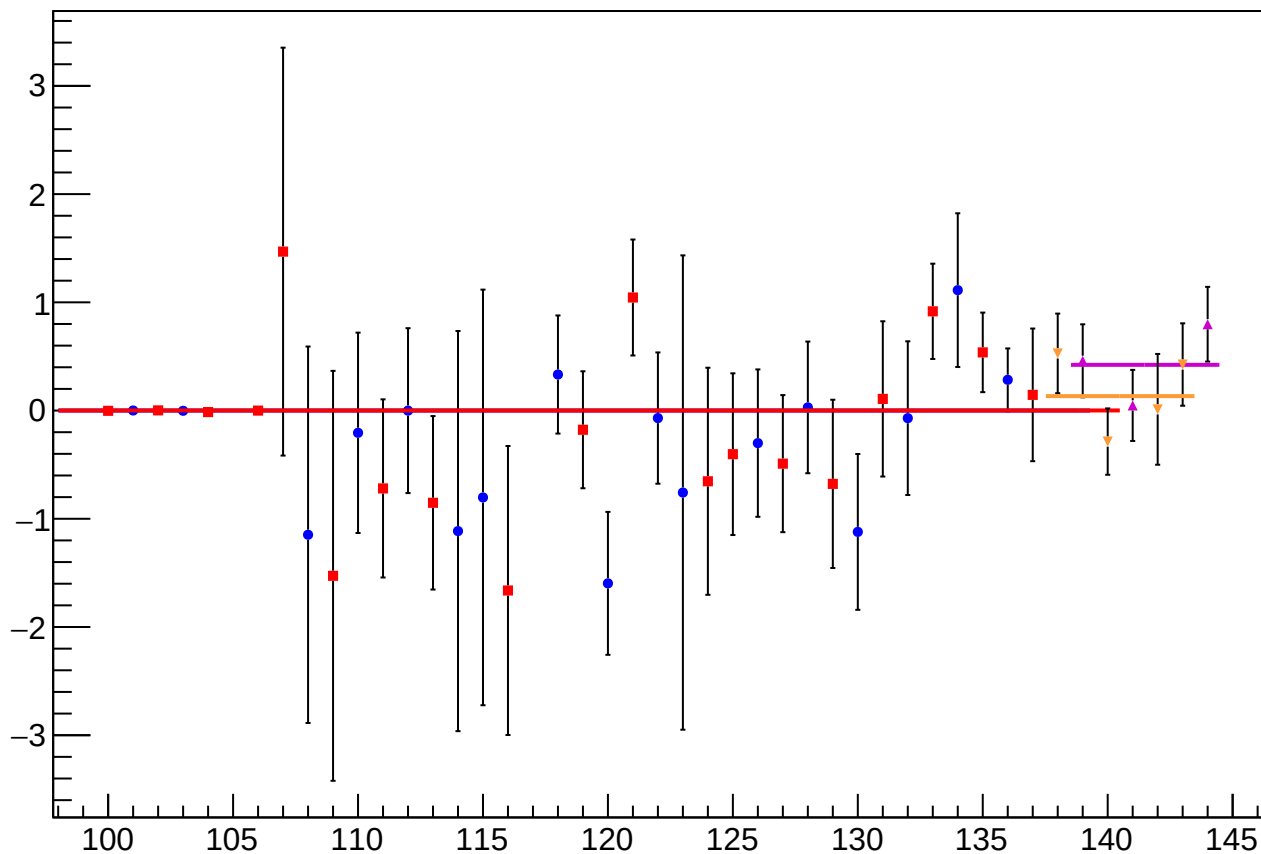
Left In: 3898.904 $\pm$ 1.810 χ^2 /NDF: 94194.1/2

+ sign 17.634 $\pm$ 0.015 χ^2 /NDF: 15595459.4/20

All: 17.563 $\pm$ 0.010 χ^2 /NDF: 31064749.6/42

- sign 17.499 $\pm$ 0.014 χ^2 /NDF: 15469246.4/21

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 13.6/16

Left Out: 0.133 $\pm$ 0.187 χ^2 /NDF: 3.7/3

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 18.2/18

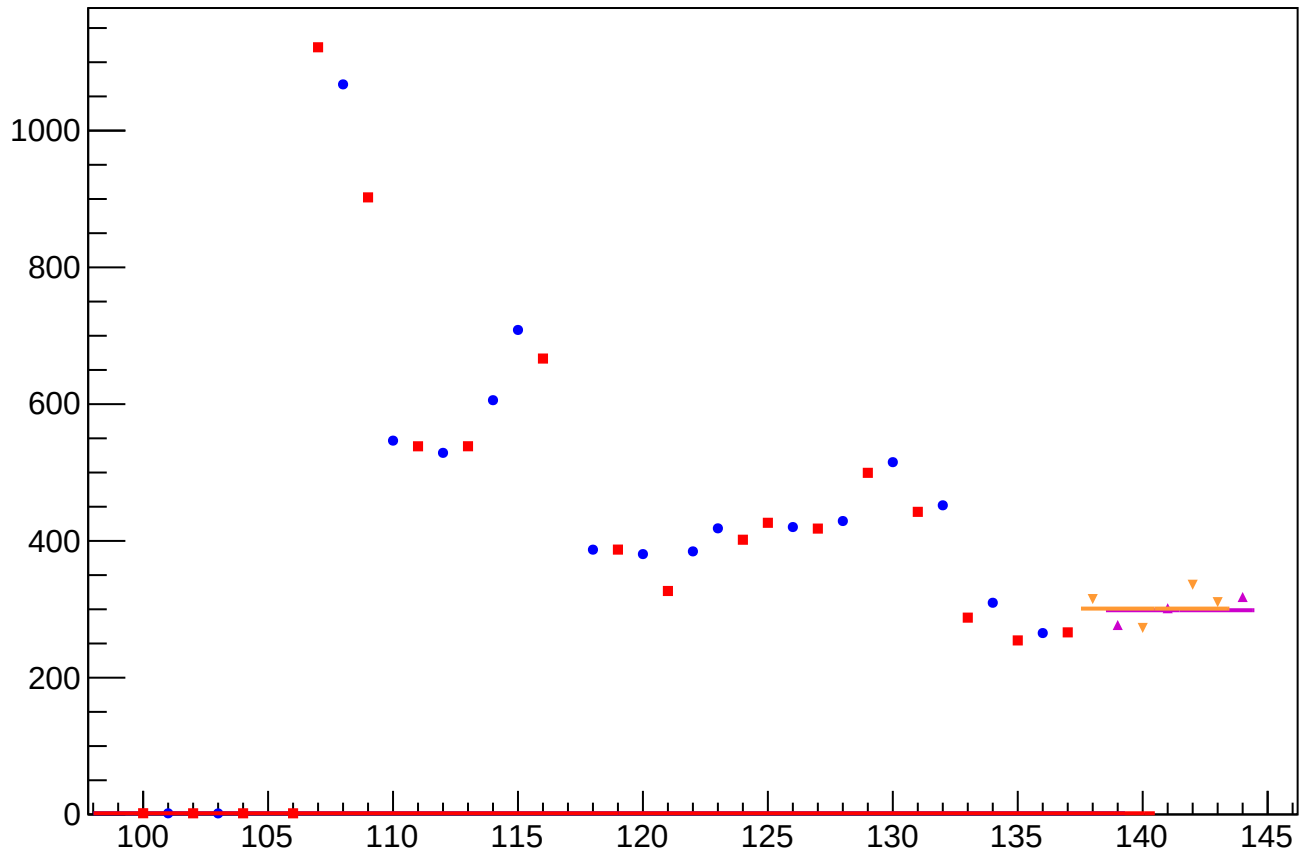
Left In: 0.422 $\pm$ 0.194 χ^2 /NDF: 2.5/2

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 17.8/20

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 43.2/42

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 25.4/21

diff_cav4dY_rms vs Slug



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

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

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

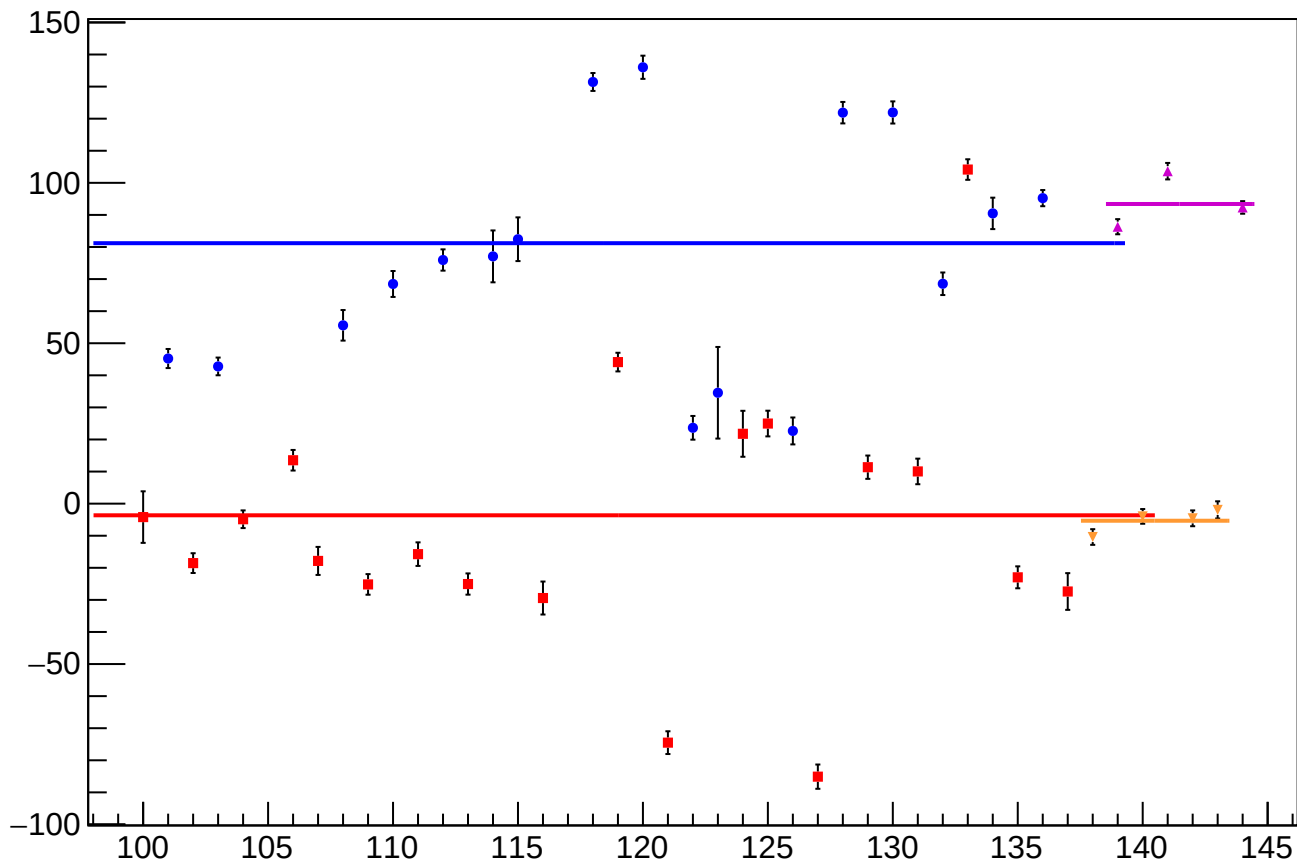
Left In: 298.634 ± 0.137 χ^2/NDF : 14637.9/2

+ sign 1.734 ± 0.001 χ^2/NDF : 16187189.9/20

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

- sign 1.758 ± 0.001 χ^2/NDF : 15377022.4/21

diff_bpm0i01X_mean vs Slug



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

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

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

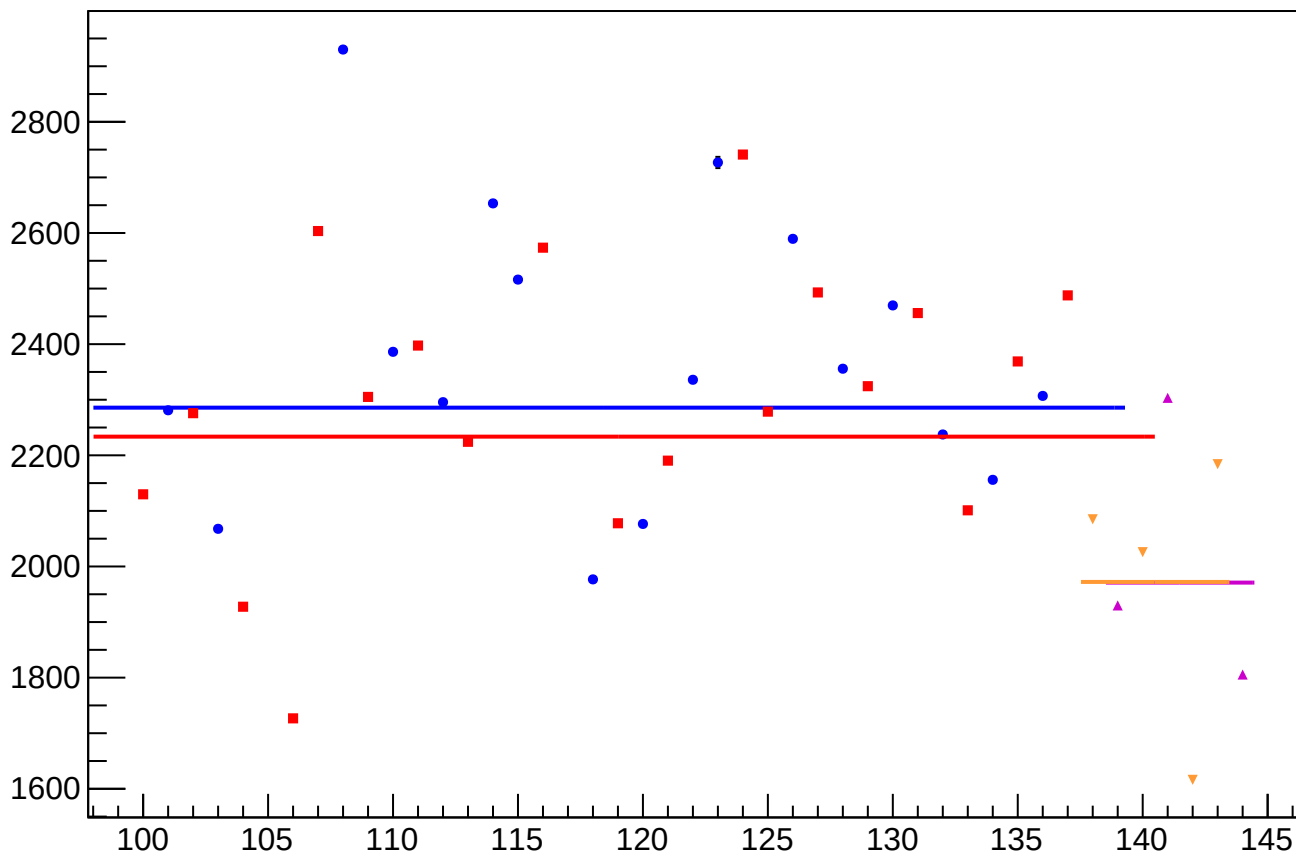
Left In: 93.405 $\pm$ 1.301 χ^2 /NDF: 25.2/2

+ sign 51.546 $\pm$ 0.719 χ^2 /NDF: 4982.7/20

All: 38.122 $\pm$ 0.505 χ^2 /NDF: 12203.5/42

- sign 25.120 $\pm$ 0.708 χ^2 /NDF: 6535.4/21

diff_bpm0i01X_rms vs Slug



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

Left Out: 1972.187+/-0.869 χ^2/NDF : 59598.7/3

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

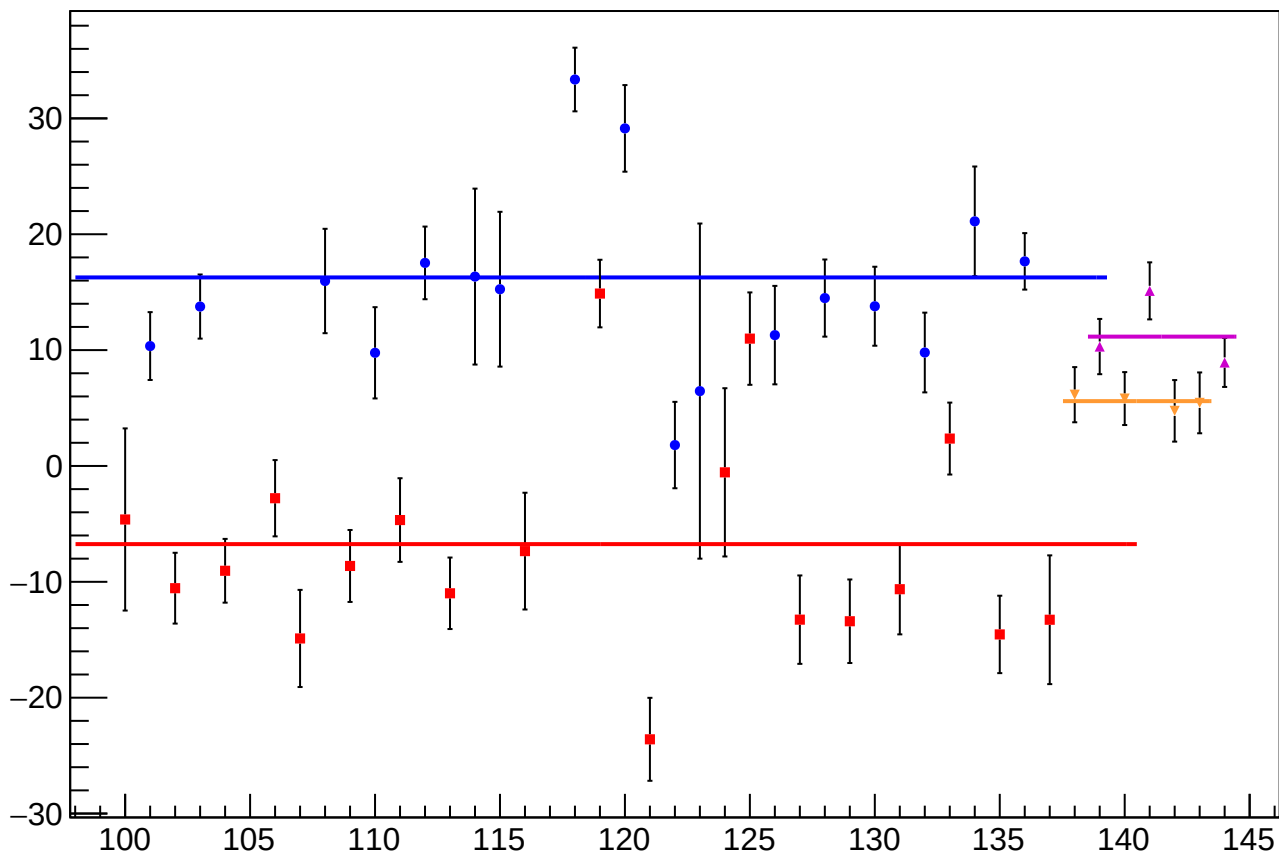
Left In: 1970.984+/-0.920 χ^2/NDF : 48331.0/2

+ sign 2178.319+/-0.509 χ^2/NDF : 254360.3/20

All: 2166.876+/-0.357 χ^2/NDF : 508127.5/42

- sign 2155.791+/-0.501 χ^2/NDF : 252770.9/21

diff_bpm0i01Y_mean vs Slug



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

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

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

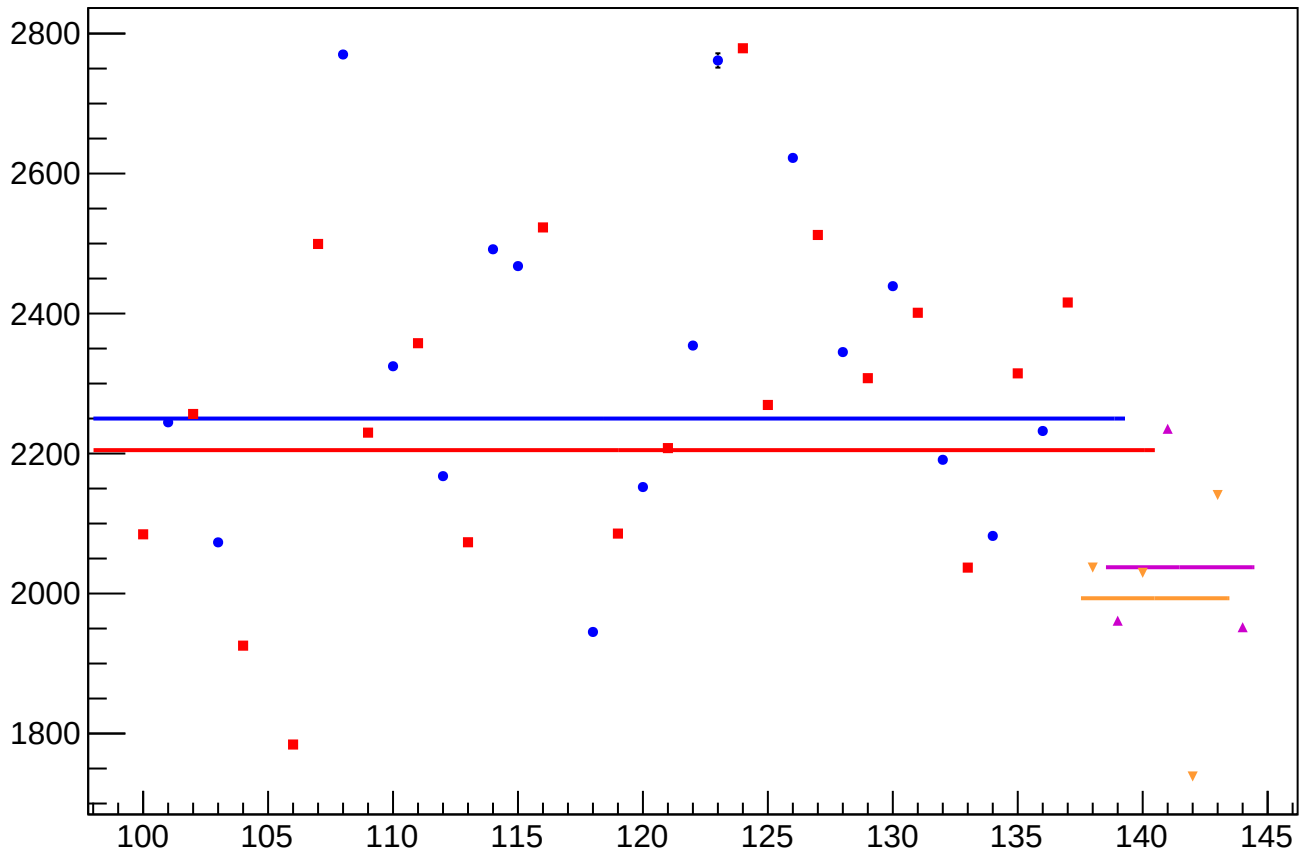
Left In: 11.163 ± 1.330 $\chi^2/\text{NDF}: 3.8/2$

+ sign 12.718 ± 0.713 $\chi^2/\text{NDF}: 130.9/20$

All: 5.429 ± 0.501 $\chi^2/\text{NDF}: 602.4/42$

- sign -1.708 ± 0.705 $\chi^2/\text{NDF}: 264.6/21$

diff_bpm0i01Y_rms vs Slug



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

Left Out: 1993.256 $\pm$ 0.874 χ^2 /NDF: 25875.7/3

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

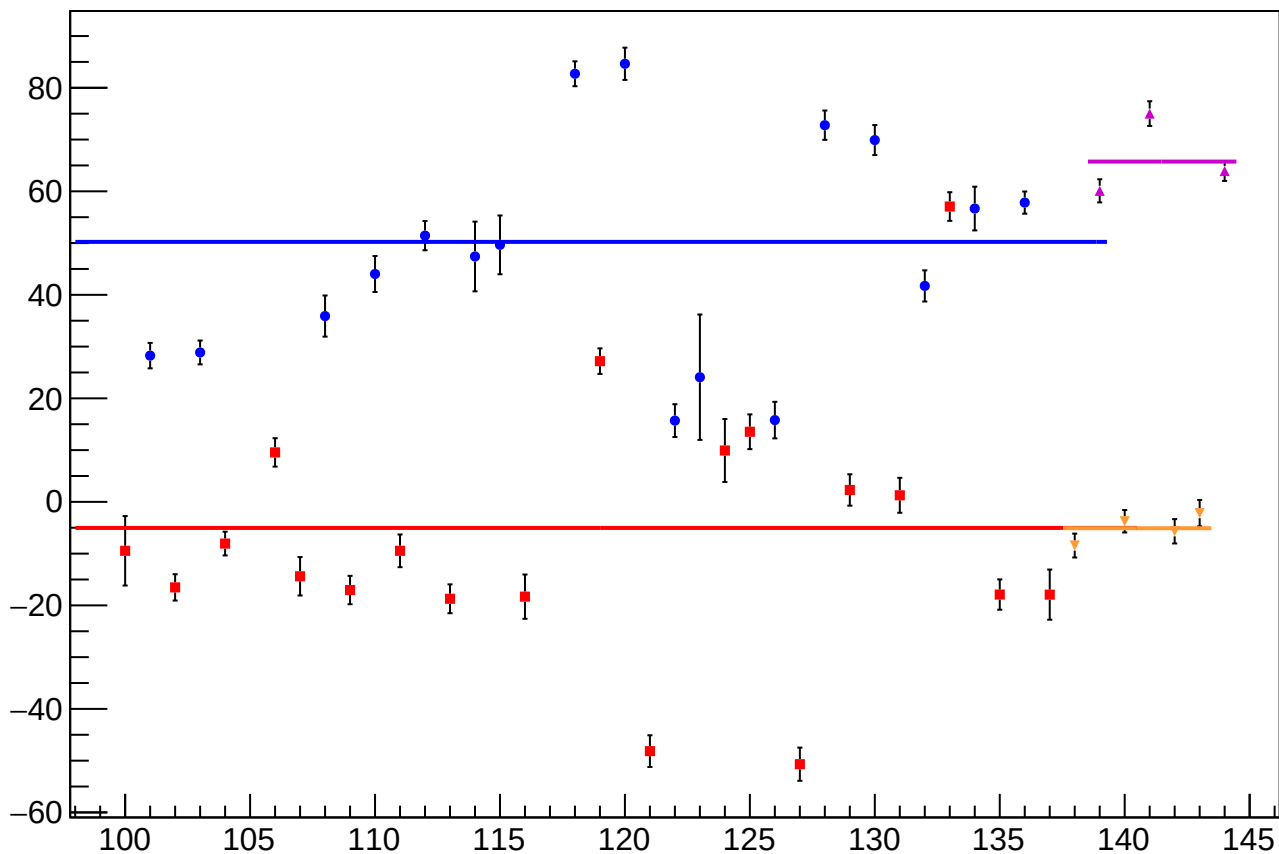
Left In: 2037.560 $\pm$ 0.941 χ^2 /NDF: 18259.0/2

+ sign 2164.520 $\pm$ 0.504 χ^2 /NDF: 180971.9/20

All: 2161.124 $\pm$ 0.355 χ^2 /NDF: 348492.4/42

- sign 2157.799 $\pm$ 0.499 χ^2 /NDF: 167430.6/21

diff_bpm0i01aX_mean vs Slug



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

Left Out: -5.092+/-1.166 χ^2 /NDF: 3.9/3

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

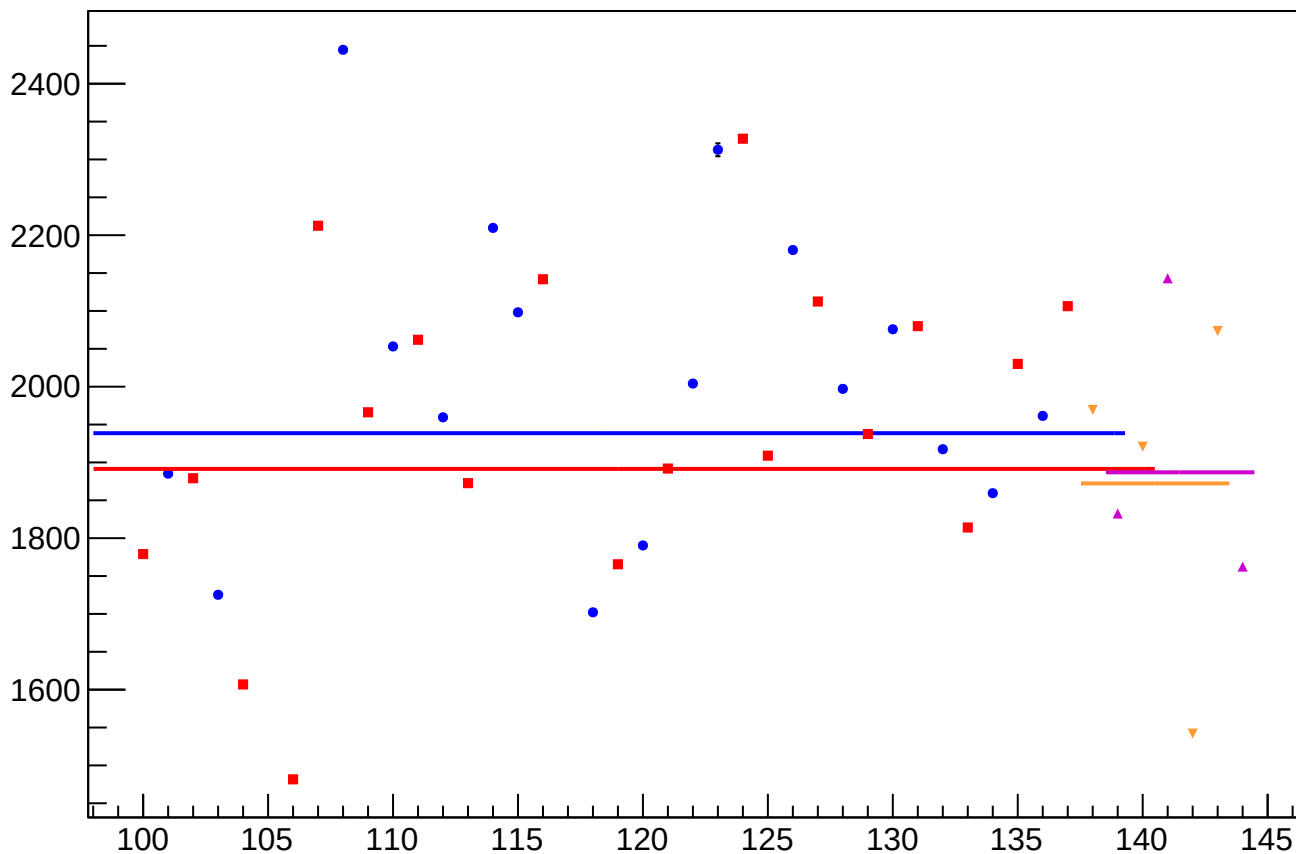
Left In: 65.742+/-1.241 χ^2 /NDF: 22.4/2

+ sign 33.975+/-0.632 χ^2 /NDF: 2431.4/20

All: 23.060+/-0.442 χ^2 /NDF: 6739.0/42

- sign 12.579+/-0.619 χ^2 /NDF: 3723.0/21

diff_bpm0i01aX_rms vs Slug



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

Left Out: 1872.303 $\pm$ 0.824 χ^2 /NDF: 56471.2/3

+ sign 1919.129 $\pm$ 0.447 χ^2 /NDF: 161044.5/20

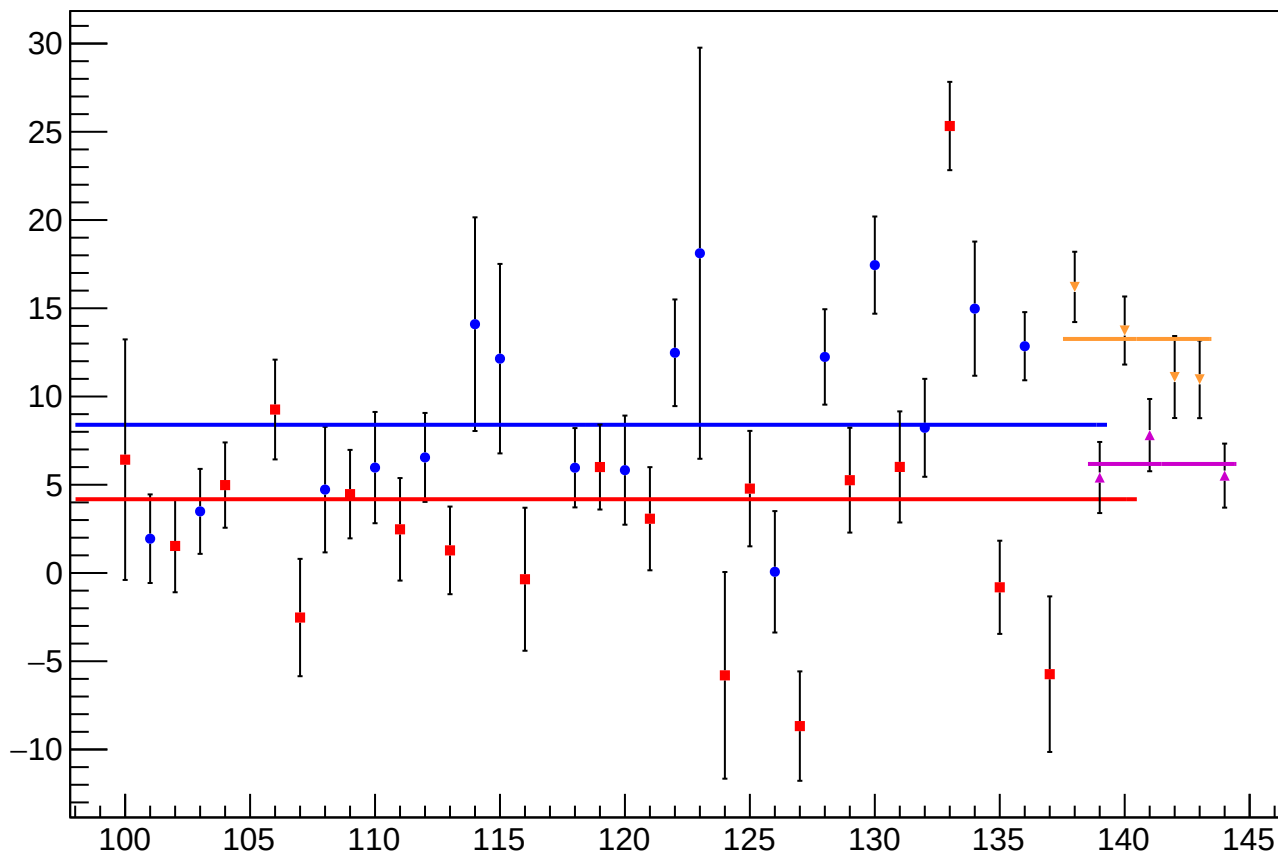
Right Out: 1891.458 $\pm$ 0.505 χ^2 /NDF: 146730.0/18

All: 1904.441 $\pm$ 0.313 χ^2 /NDF: 342585.3/42

- sign 1890.335 $\pm$ 0.438 χ^2 /NDF: 179423.0/21

Left In: 1886.948 $\pm$ 0.878 χ^2 /NDF: 32673.2/2

diff_bpm0i01aY_mean vs Slug



Right In: 8.398 ± 0.712 χ^2/NDF : 45.7/16

Left Out: 13.262 ± 1.047 χ^2/NDF : 4.2/3

Right Out: 4.180 ± 0.684 χ^2/NDF : 112.9/18

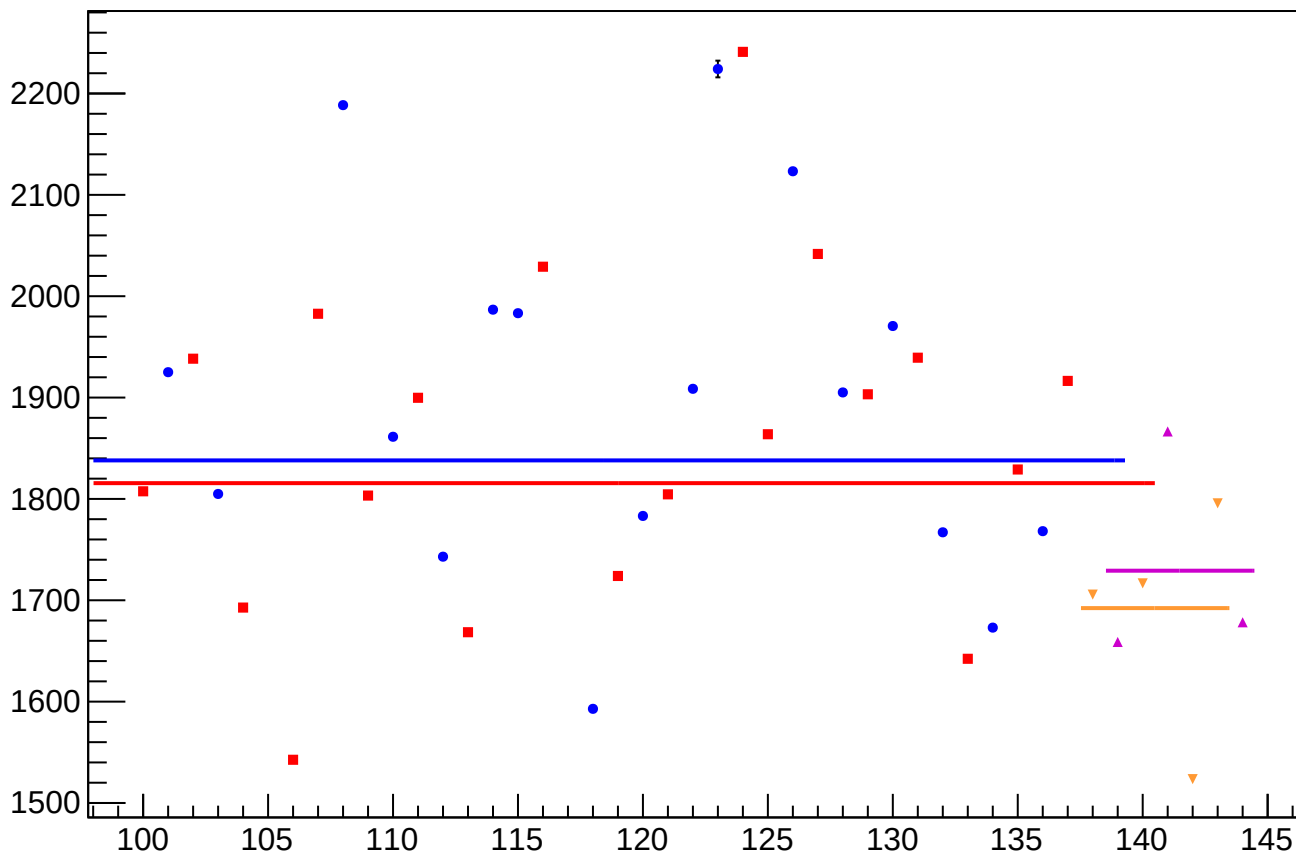
Left In: 6.178 ± 1.126 χ^2/NDF : 0.9/2

+ sign 9.937 ± 0.589 χ^2/NDF : 64.7/20

All: 7.307 ± 0.415 χ^2/NDF : 220.4/42

- sign 4.718 ± 0.584 χ^2/NDF : 116.1/21

diff_bpm0i01aY_rms vs Slug



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

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

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

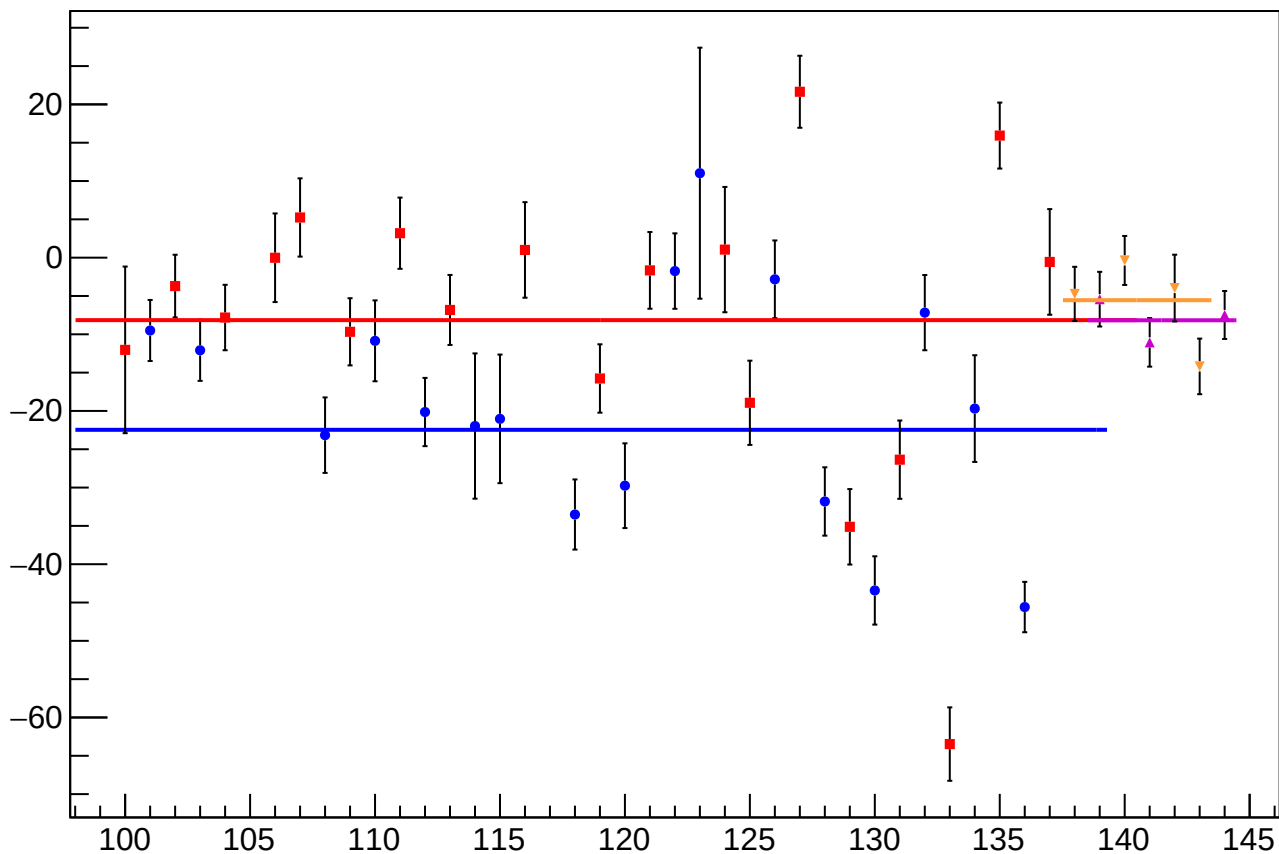
Left In: 1729.183 $\pm$ 0.796 χ^2 /NDF: 13019.4/2

+ sign 1791.887 $\pm$ 0.416 χ^2 /NDF: 124682.3/20

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

- sign 1792.296 $\pm$ 0.413 χ^2 /NDF: 109267.7/21

diff_bpm0l01X_mean vs Slug



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

Left Out: -5.550 ± 1.806 χ^2/NDF : 8.5/3

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

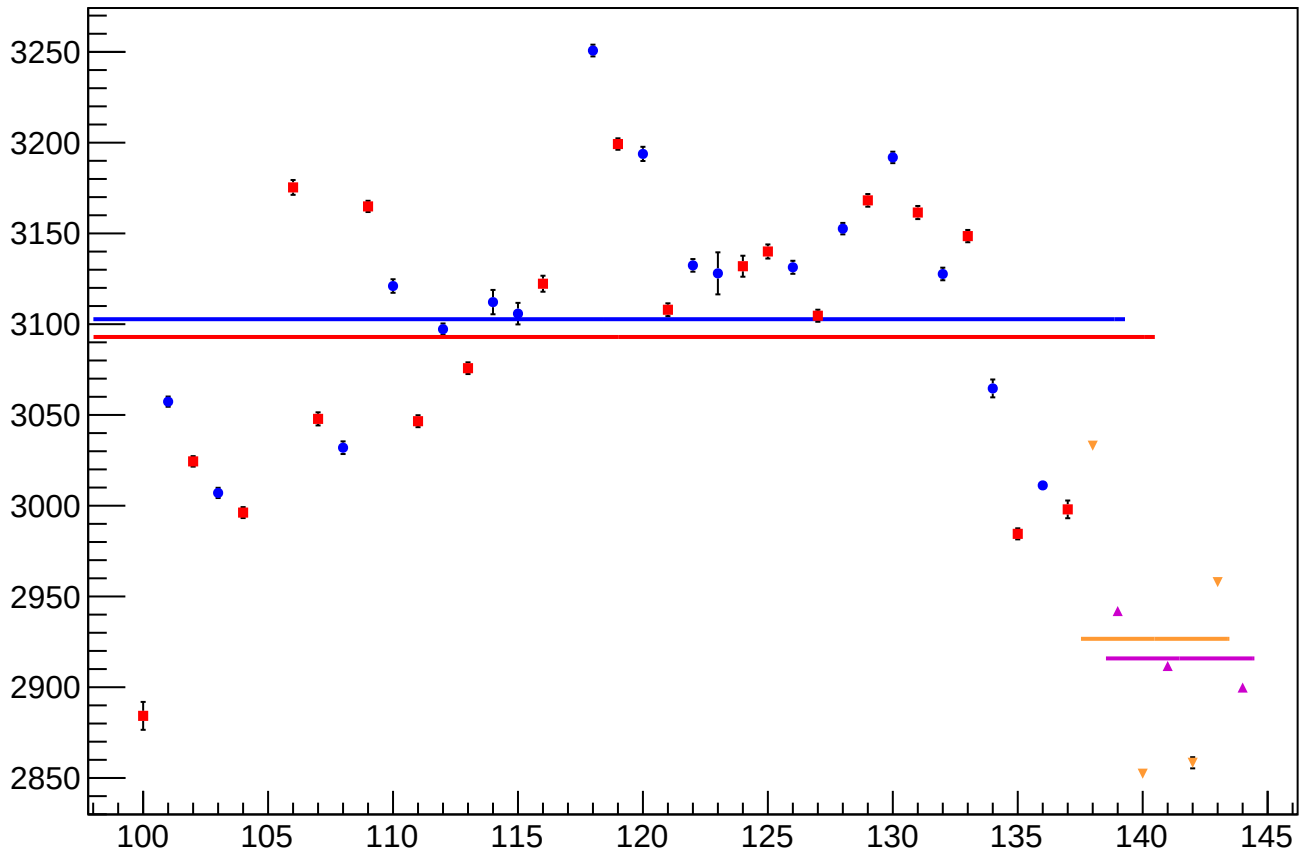
Left In: -8.170 ± 1.889 χ^2/NDF : 1.5/2

+ sign -17.302 ± 0.998 χ^2/NDF : 222.3/20

All: -12.683 ± 0.702 χ^2/NDF : 543.2/42

- sign -8.157 ± 0.988 χ^2/NDF : 278.4/21

diff_bpm0l01X_rms vs Slug



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

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

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

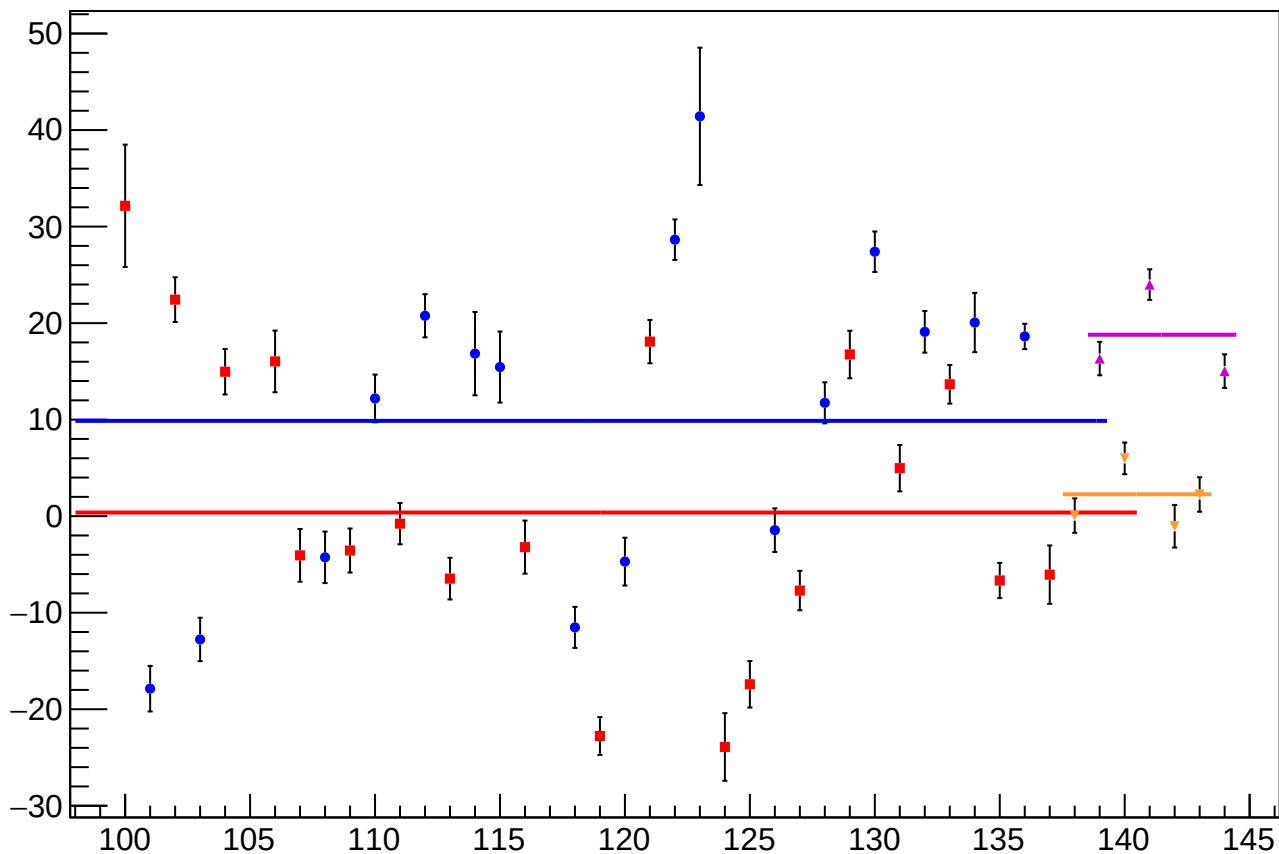
Left In: 2915.868+/-1.336 χ^2/NDF : 163.1/2

+ sign 3049.014+/-0.705 χ^2/NDF : 24078.8/20

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

- sign 3044.545+/-0.698 χ^2/NDF : 20740.8/21

diff_bpm0l01Y_mean vs Slug



Right In: 9.873 $\pm$ 0.560 χ^2 /NDF: 701.6/16

Left Out: 2.272 $\pm$ 0.911 χ^2 /NDF: 8.9/3

Right Out: 0.377 $\pm$ 0.548 χ^2 /NDF: 628.0/18

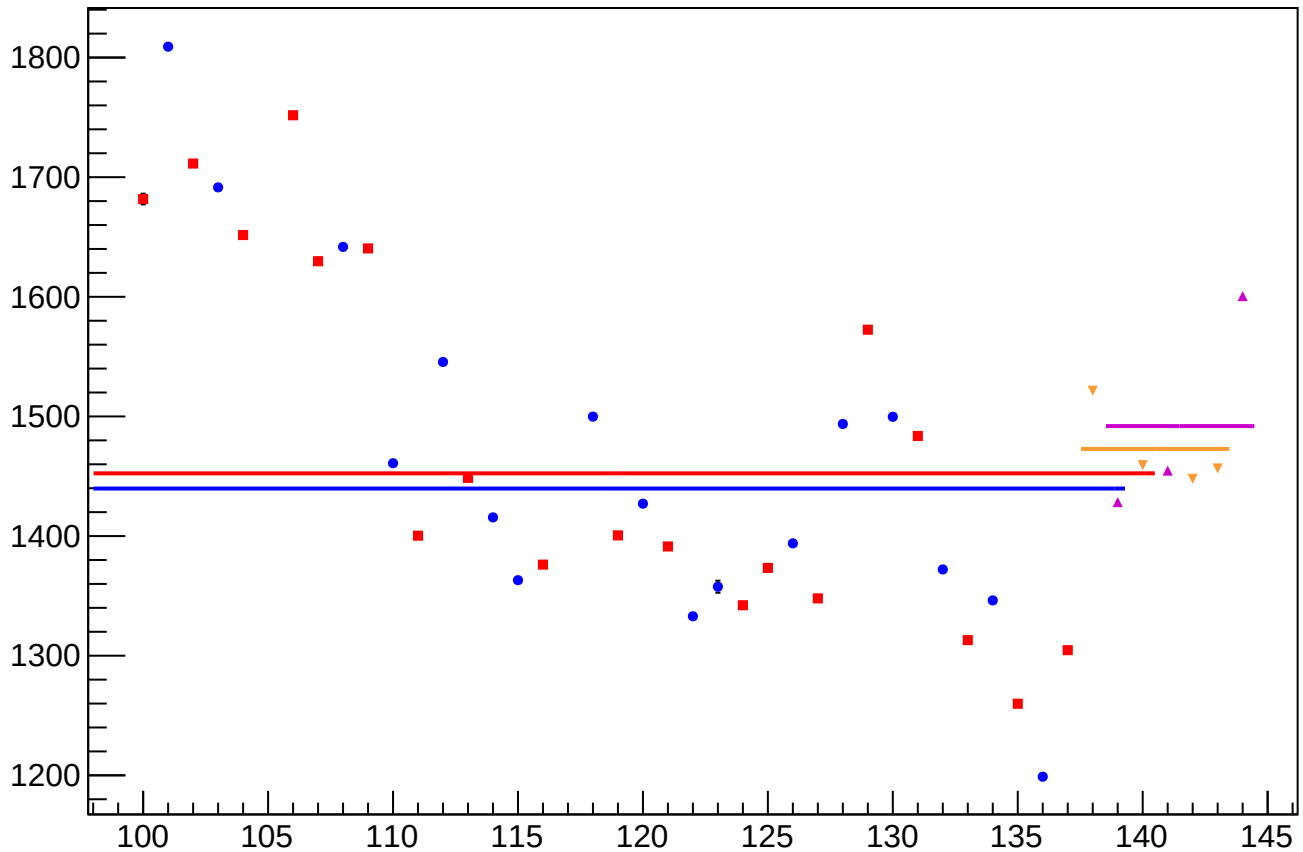
Left In: 18.795 $\pm$ 0.970 χ^2 /NDF: 17.5/2

+ sign 7.786 $\pm$ 0.477 χ^2 /NDF: 761.1/20

All: 6.306 $\pm$ 0.337 χ^2 /NDF: 1699.1/42

- sign 4.829 $\pm$ 0.477 χ^2 /NDF: 918.8/21

diff_bpm0l01Y_rms vs Slug



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

Left Out: 1472.845+/-0.644 χ^2/NDF : 2049.0/3

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

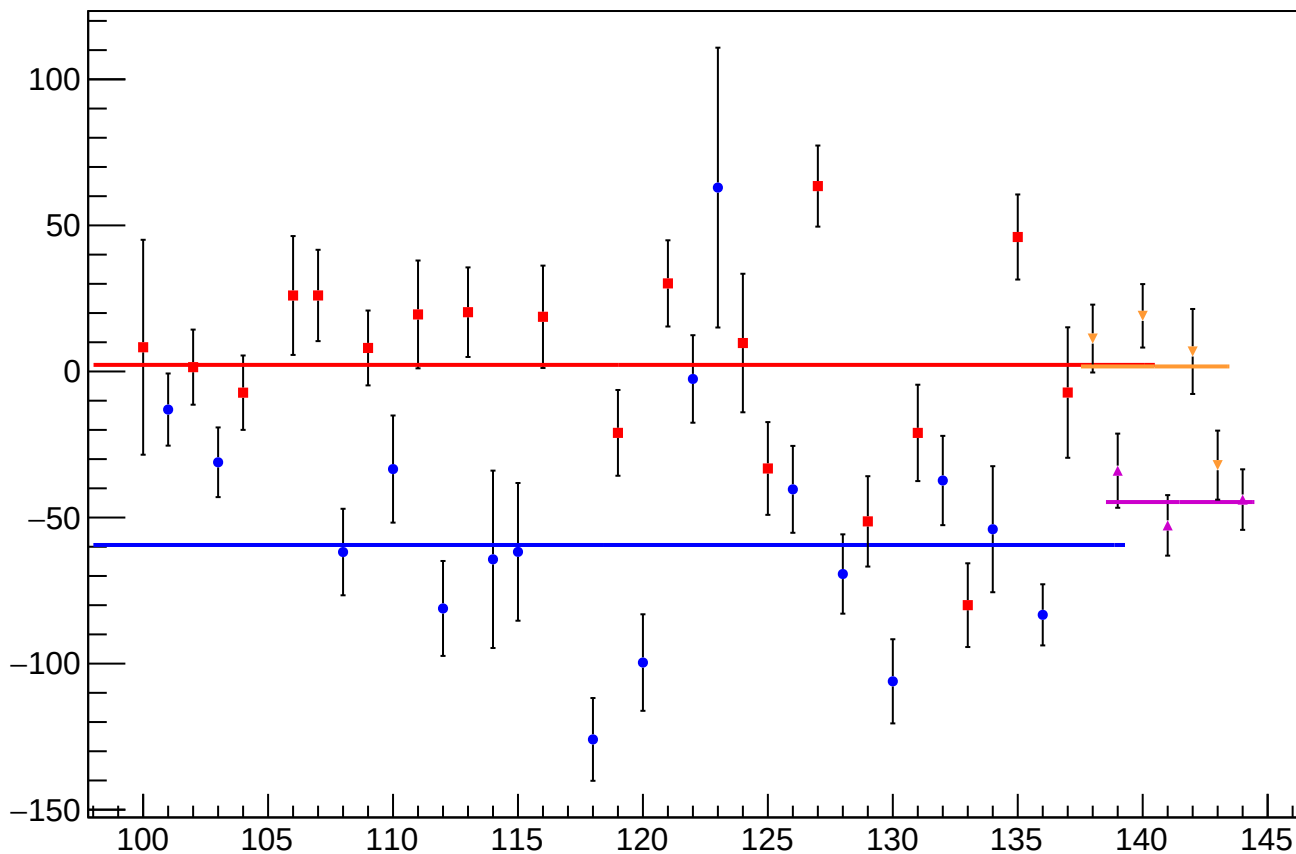
Left In: 1491.936+/-0.686 χ^2/NDF : 11603.5/2

+ sign 1448.825+/-0.338 χ^2/NDF : 176833.0/20

All: 1455.412+/-0.239 χ^2/NDF : 330111.1/42

- sign 1461.991+/-0.337 χ^2/NDF : 152516.9/21

diff_bpm0l02X_mean vs Slug



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

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

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

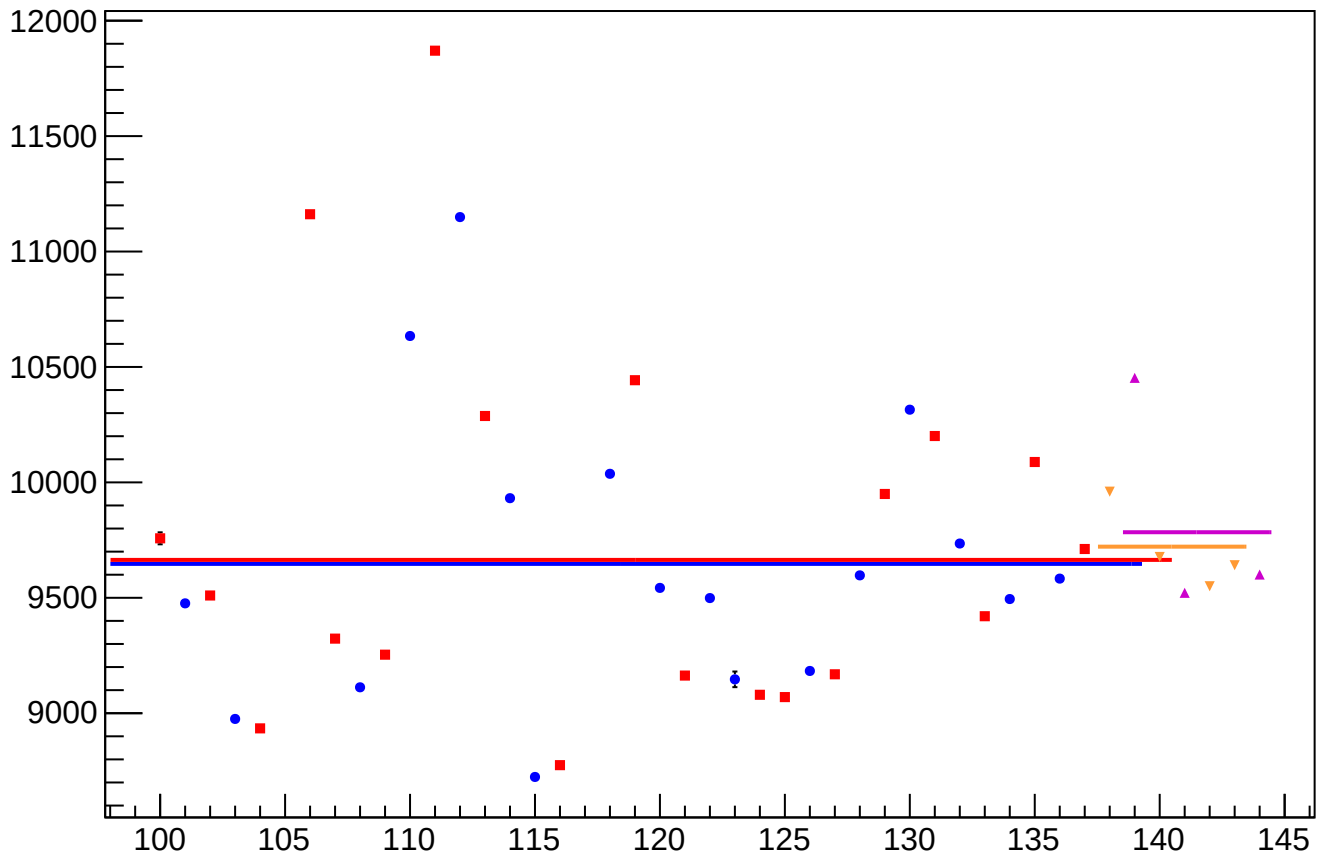
Left In: -44.694 ± 6.345 $\chi^2/\text{NDF}: 1.3/2$

+ sign -42.322 ± 3.171 $\chi^2/\text{NDF}: 178.8/20$

All: -25.753 ± 2.237 $\chi^2/\text{NDF}: 370.0/42$

- sign -9.352 ± 3.155 $\chi^2/\text{NDF}: 136.9/21$

diff_bpm0l02X_rms vs Slug



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

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

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

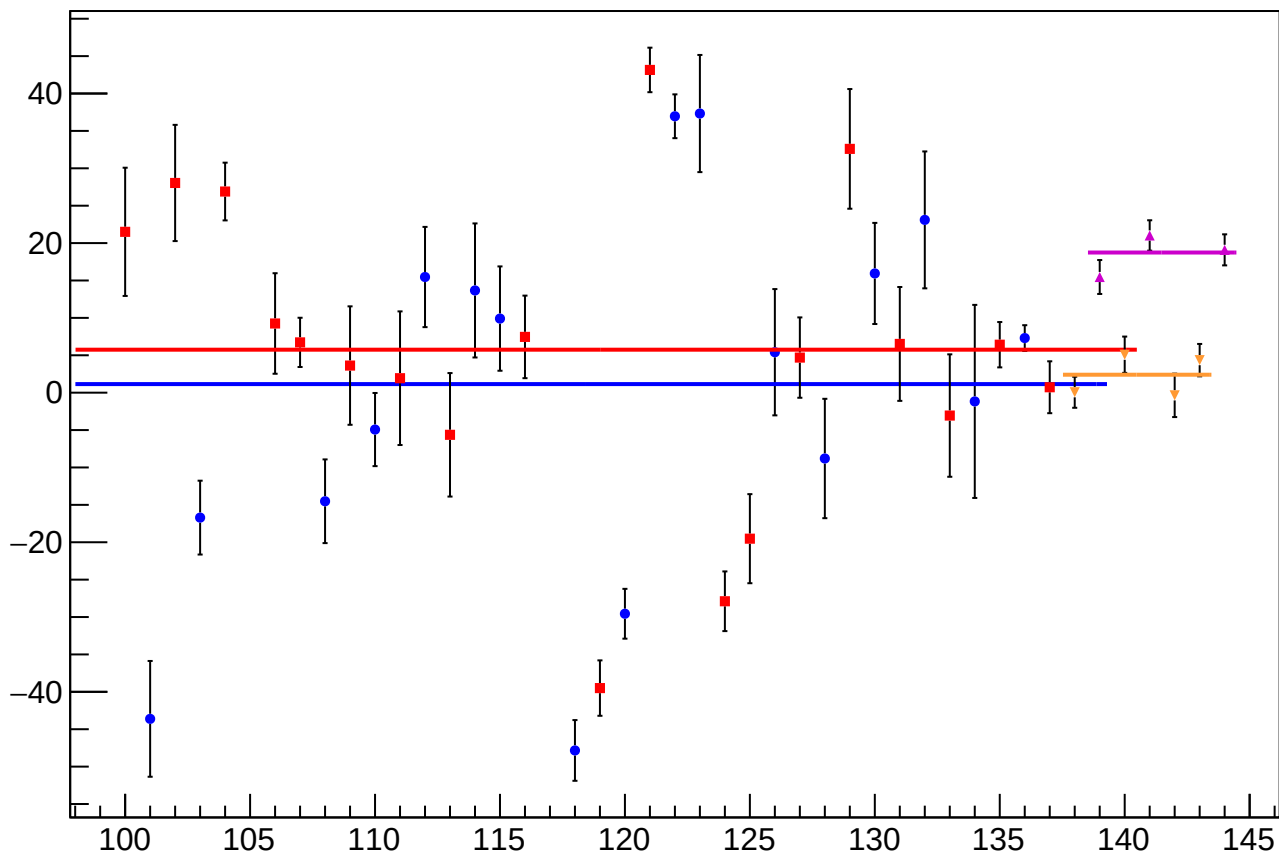
Left In: 9784.065+/-4.487 χ^2/NDF : 7461.7/2

+ sign 9667.772+/-2.242 χ^2/NDF : 45466.3/20

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

- sign 9693.828+/-2.231 χ^2/NDF : 85325.5/21

diff_bpm0l02Y_mean vs Slug



Right In: 1.147 ± 1.067 χ^2/NDF : 490.7/16

Left Out: 2.400 ± 1.168 χ^2/NDF : 4.2/3

Right Out: 5.747 ± 1.092 χ^2/NDF : 455.0/18

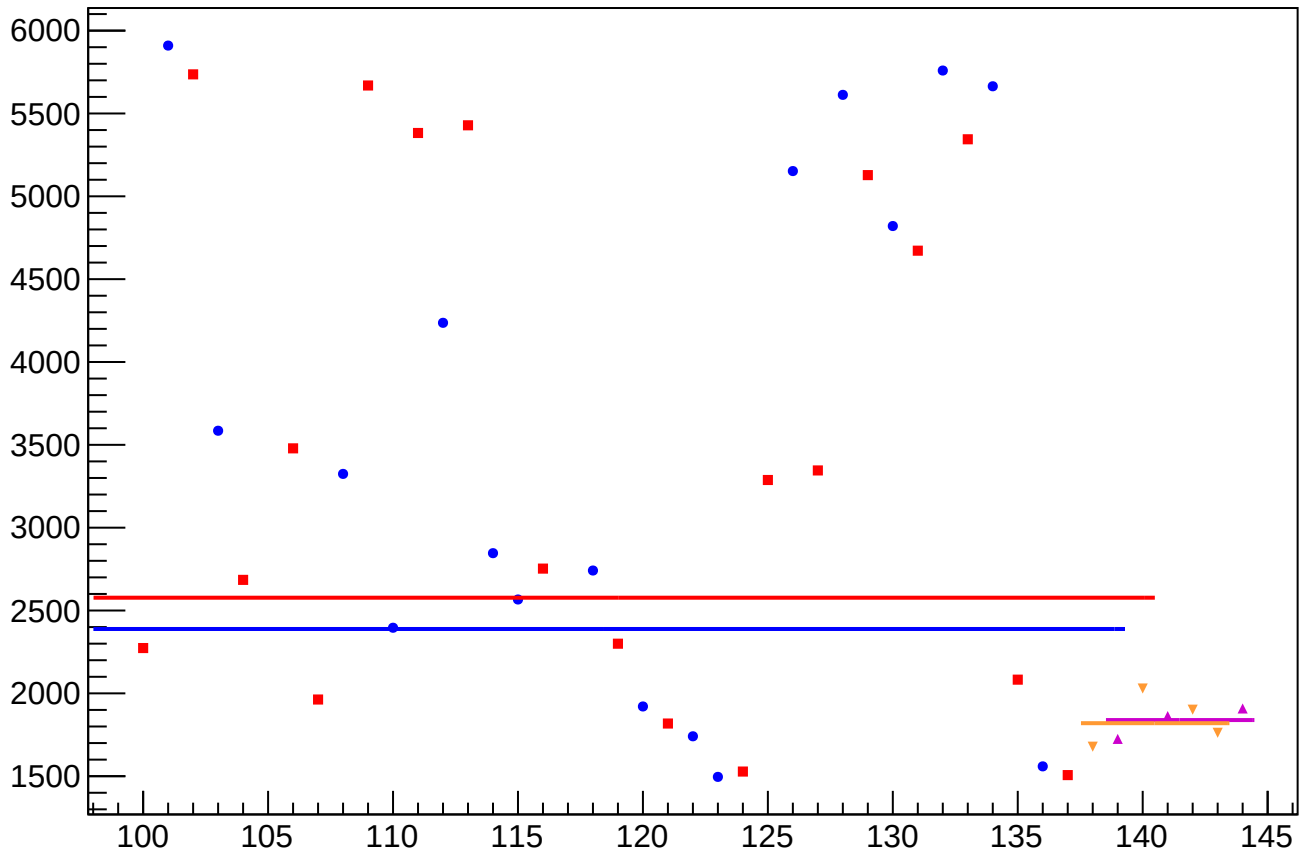
Left In: 18.739 ± 1.223 χ^2/NDF : 3.4/2

+ sign 1.717 ± 0.788 χ^2/NDF : 495.5/20

All: 6.450 ± 0.566 χ^2/NDF : 1091.4/42

- sign 11.510 ± 0.814 χ^2/NDF : 521.2/21

diff_bpm0l02Y_rms vs Slug



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

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

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

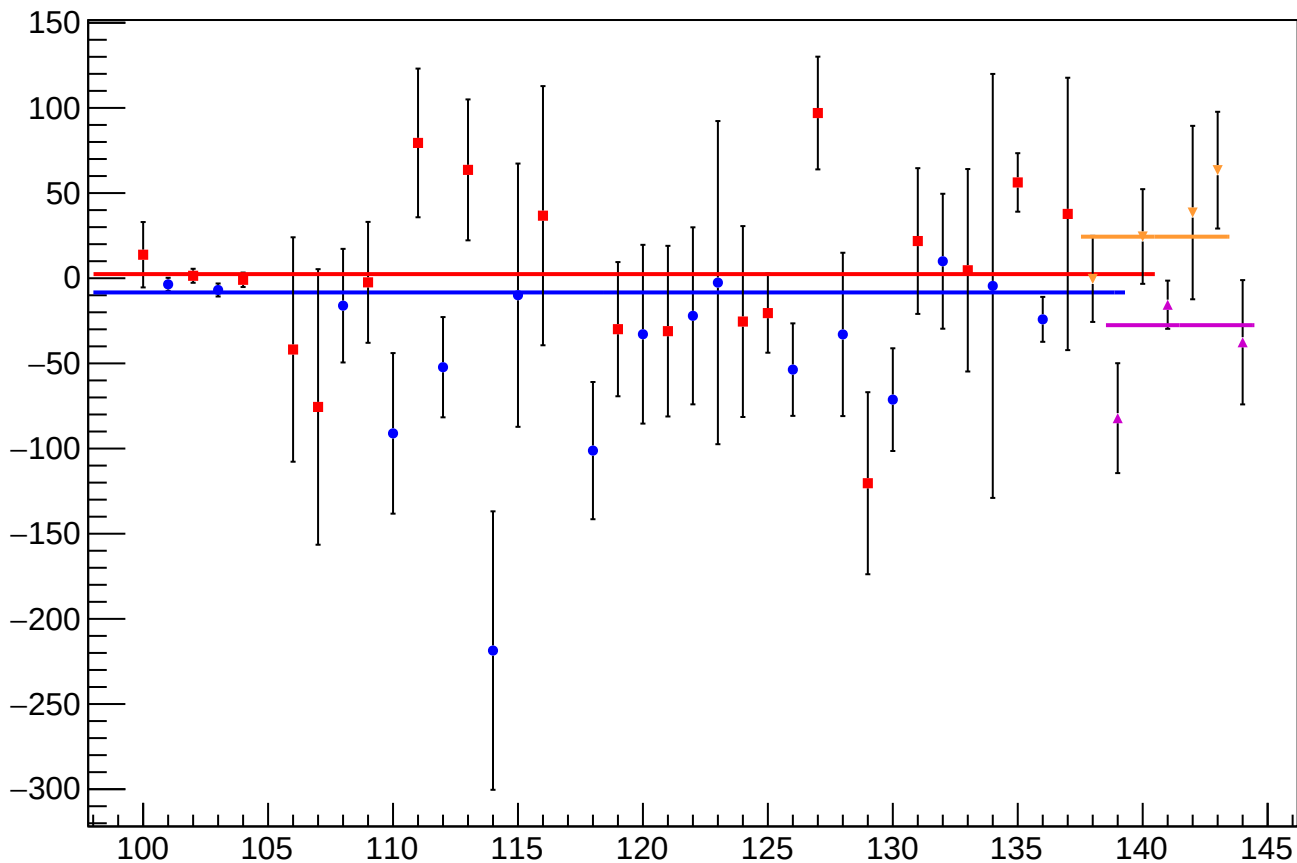
Left In: 1838.837 $\pm$ 0.865 χ^2 /NDF: 7567.3/2

+ sign 2129.736 $\pm$ 0.557 χ^2 /NDF: 2874326.9/20

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

- sign 2249.739 $\pm$ 0.576 χ^2 /NDF: 2772196.8/21

diff_bpm0l03X_mean vs Slug



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

Left Out: 24.400 ± 15.622 χ^2/NDF : 2.3/3

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

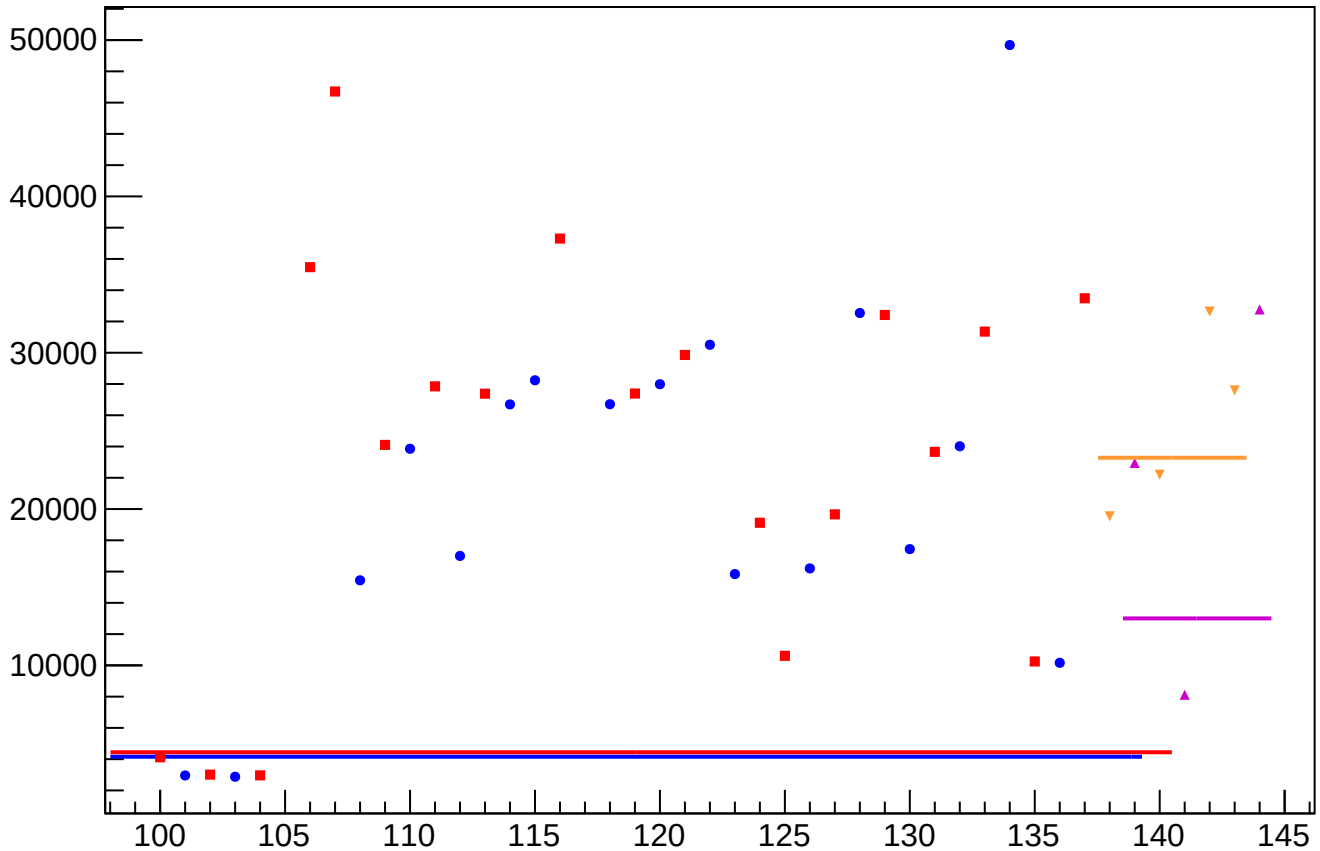
Left In: -27.561 ± 12.209 χ^2/NDF : 3.7/2

+ sign -7.464 ± 2.553 χ^2/NDF : 34.9/20

All: -3.524 ± 1.861 χ^2/NDF : 83.3/42

- sign 0.938 ± 2.717 χ^2/NDF : 43.3/21

diff_bpm0l03X_rms vs Slug



Right In: 4156.086 ± 1.830 $\chi^2/\text{NDF}: 5974546.9/16$

Left Out: 23281.964 ± 11.046 $\chi^2/\text{NDF}: 146129.0/3$

+ sign 4667.019 ± 1.805 $\chi^2/\text{NDF}: 9038404.6/20$

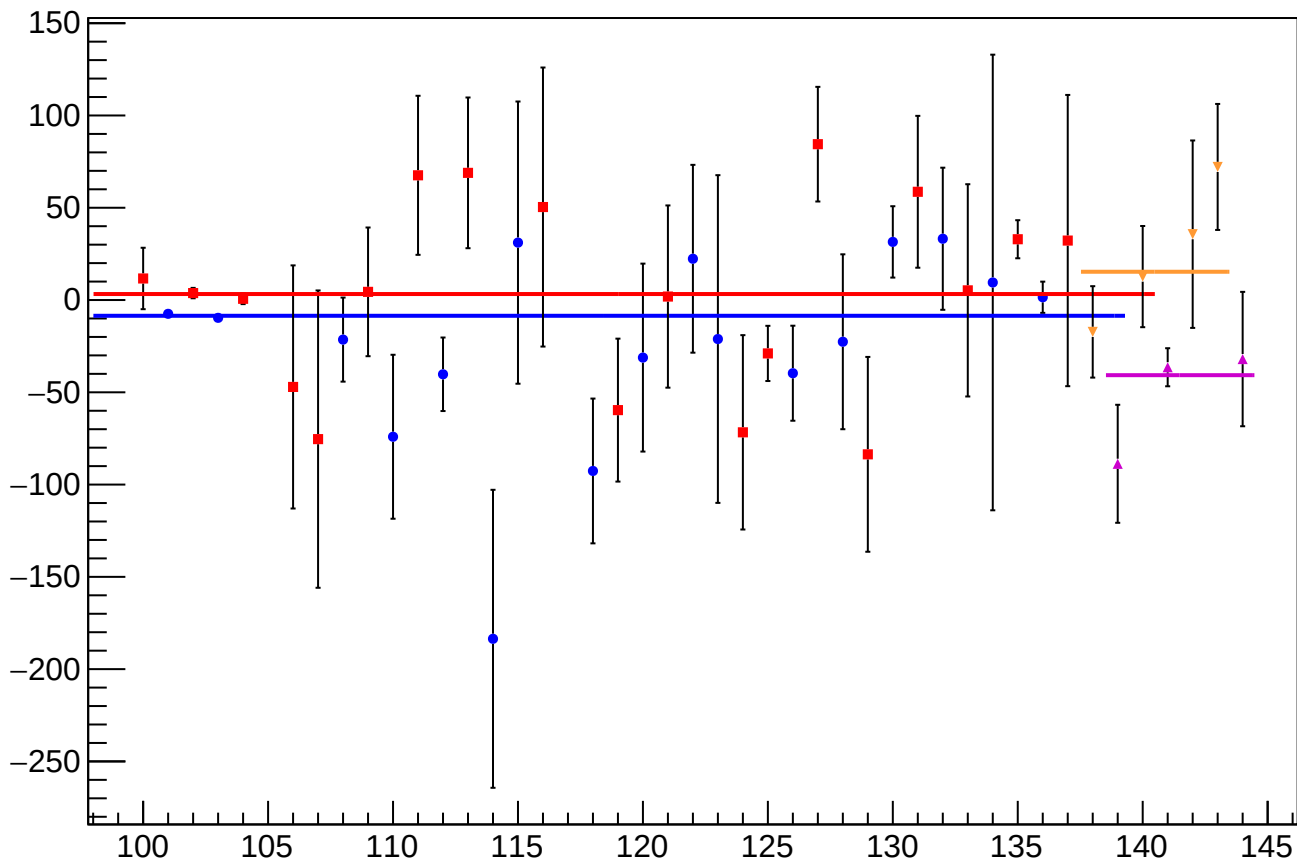
Right Out: 4441.440 ± 1.971 $\chi^2/\text{NDF}: 7399930.1/18$

All: 4760.089 ± 1.316 $\chi^2/\text{NDF}: 18394149.0/4$

Left In: 13003.614 ± 8.633 $\chi^2/\text{NDF}: 1015276.7/2$

- sign 4865.482 ± 1.921 $\chi^2/\text{NDF}: 9350077.9/21$

diff_bpm0l03Y_mean vs Slug



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

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

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

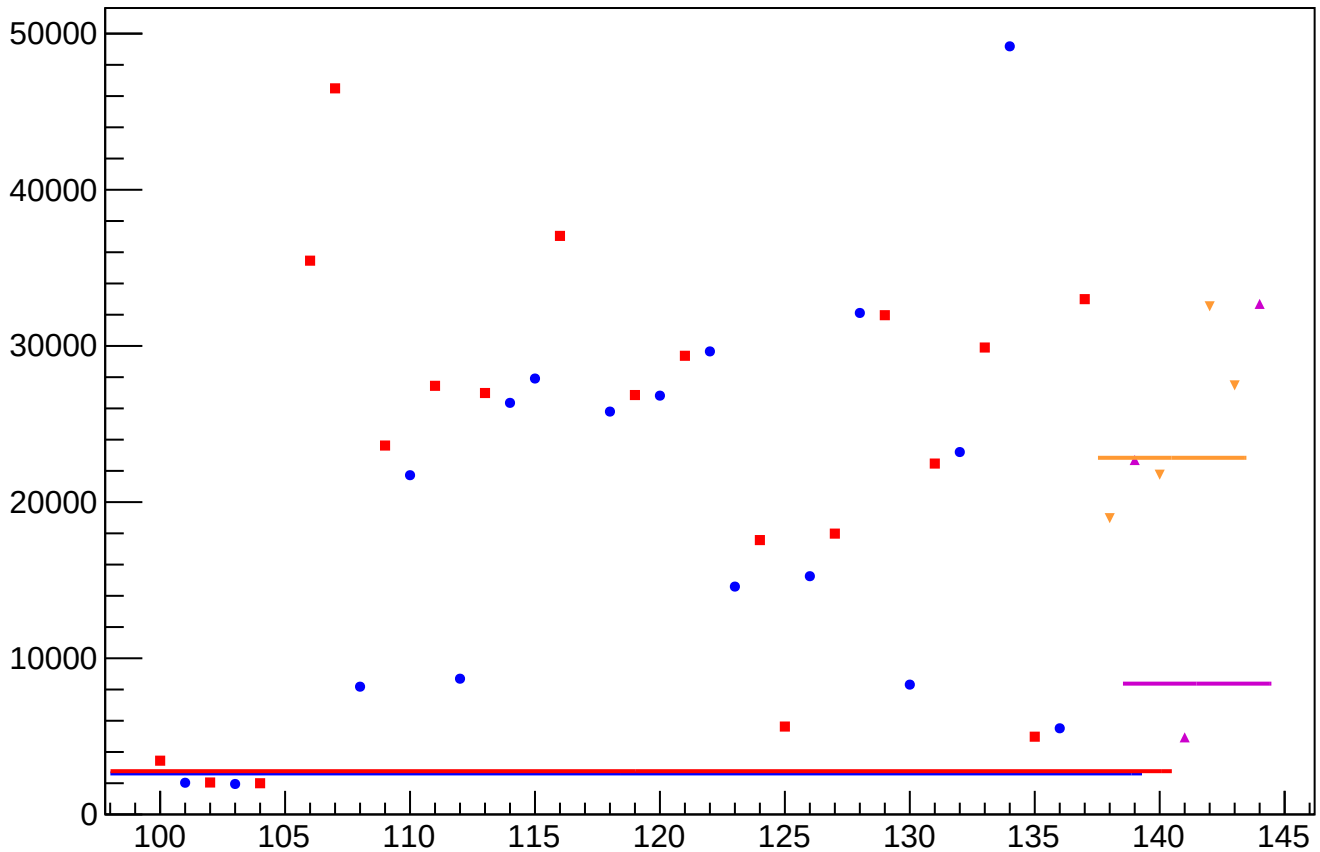
Left In: -40.719 ± 9.475 χ^2/NDF : 2.5/2

+ sign -8.223 ± 1.766 χ^2/NDF : 31.0/20

All: -3.670 ± 1.289 χ^2/NDF : 105.3/42

- sign 1.510 ± 1.884 χ^2/NDF : 60.1/21

diff_bpm0l03Y_rms vs Slug



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

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

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

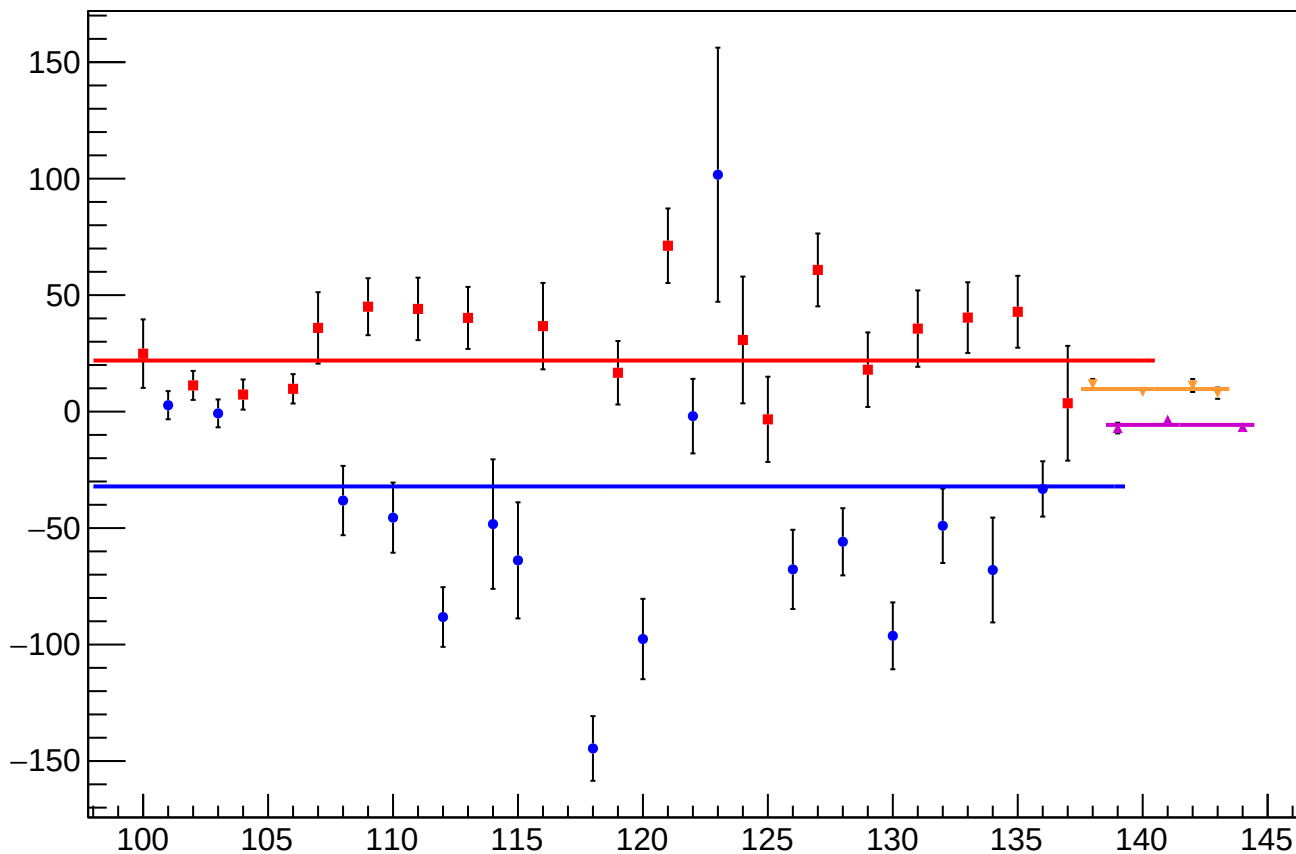
Left In: 8376.401+/-6.700 χ^2/NDF : 1515728.5/2

+ sign 2892.345+/-1.249 χ^2/NDF : 9123077.2/20

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

- sign 2992.237+/-1.332 χ^2/NDF : 10000829.9/21

diff_bpm0l04X_mean vs Slug



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

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

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

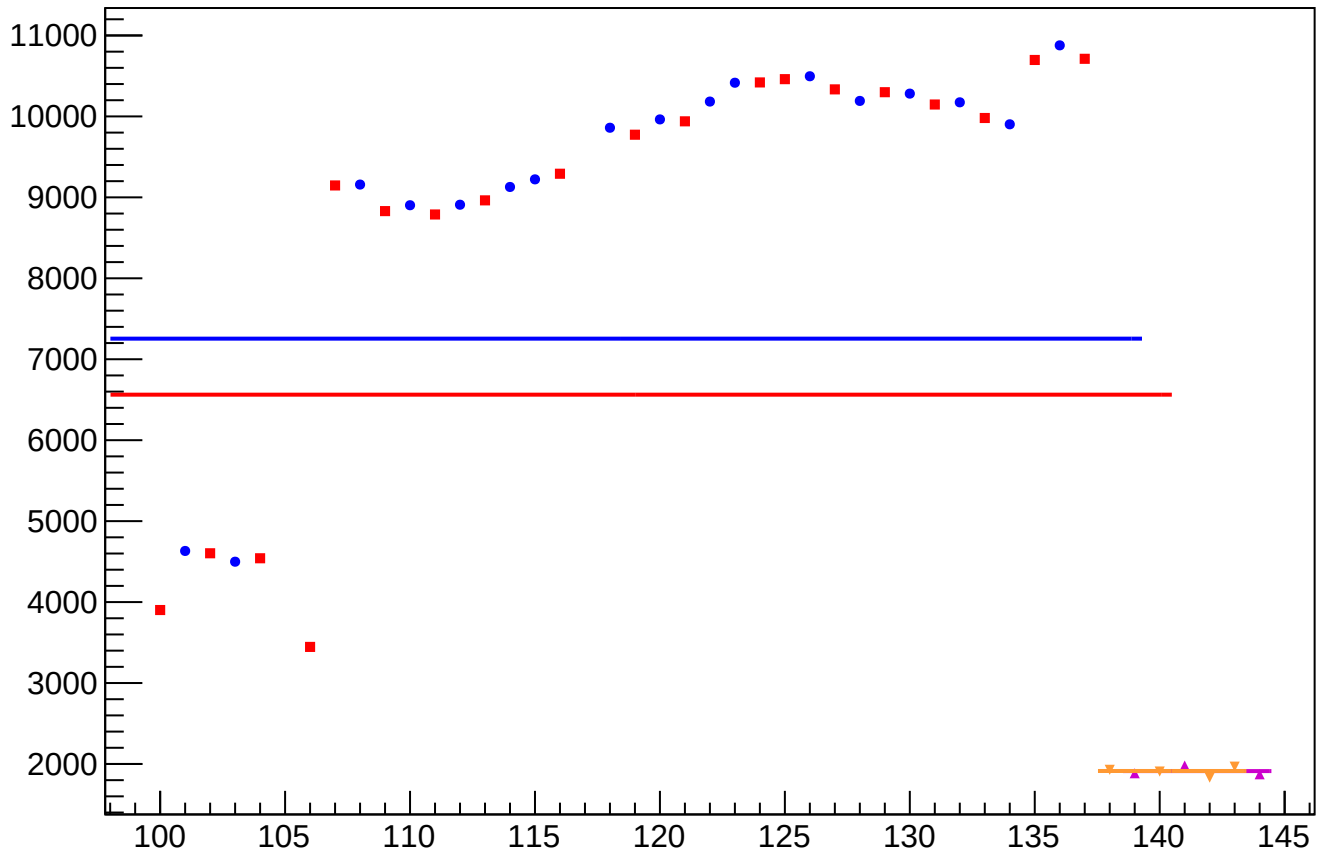
Left In: -5.706 ± 1.240 χ^2/NDF : 1.6/2

+ sign 4.045 ± 1.098 χ^2/NDF : 375.2/20

All: 1.674 ± 0.786 χ^2/NDF : 518.3/42

- sign -0.811 ± 1.125 χ^2/NDF : 133.5/21

diff_bpm0l04X_rms vs Slug



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

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

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

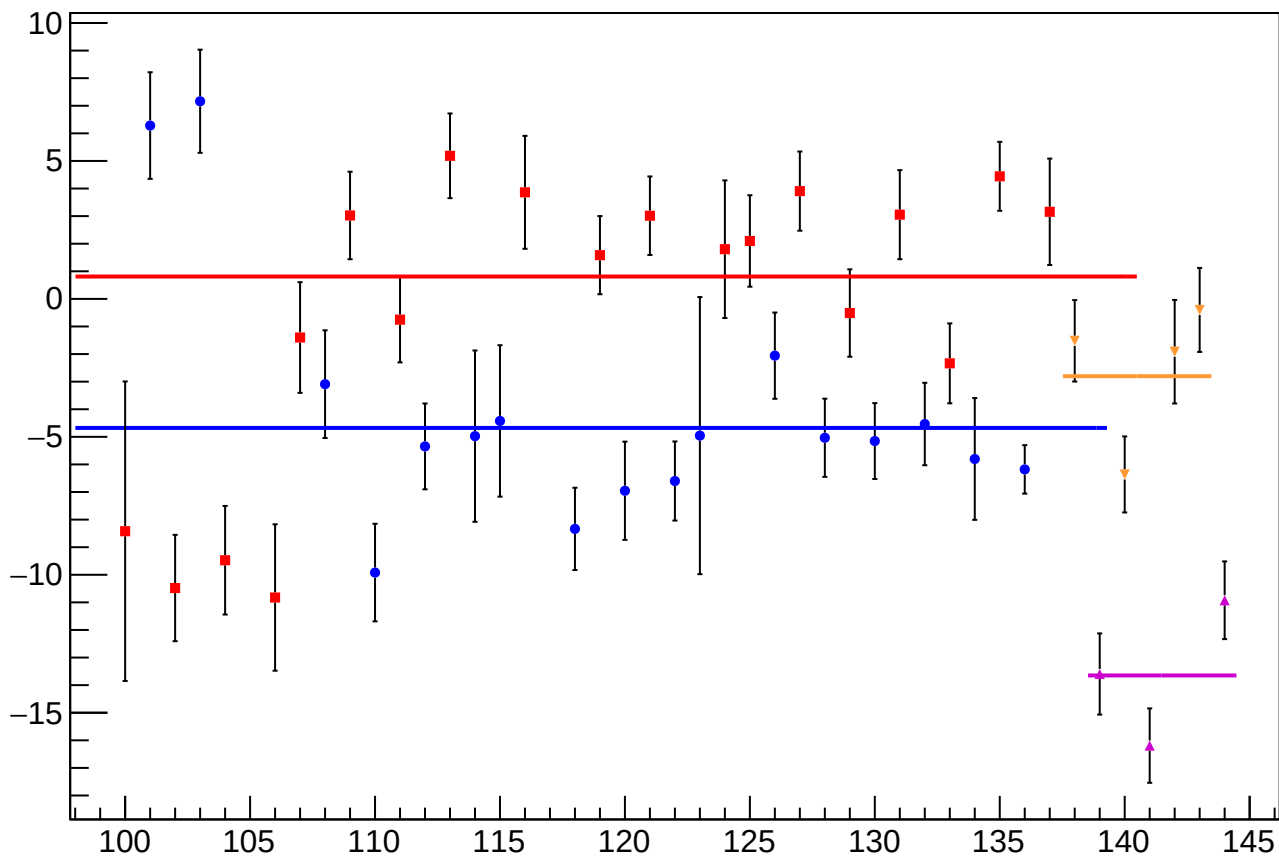
Left In: 1912.083+/-0.877 χ^2/NDF : 3058.1/2

+ sign 2636.629+/-0.777 χ^2/NDF : 7173571.4/20

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

- sign 2736.004+/-0.795 χ^2/NDF : 7180359.2/21

diff_bpm0l04Y_mean vs Slug



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

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

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

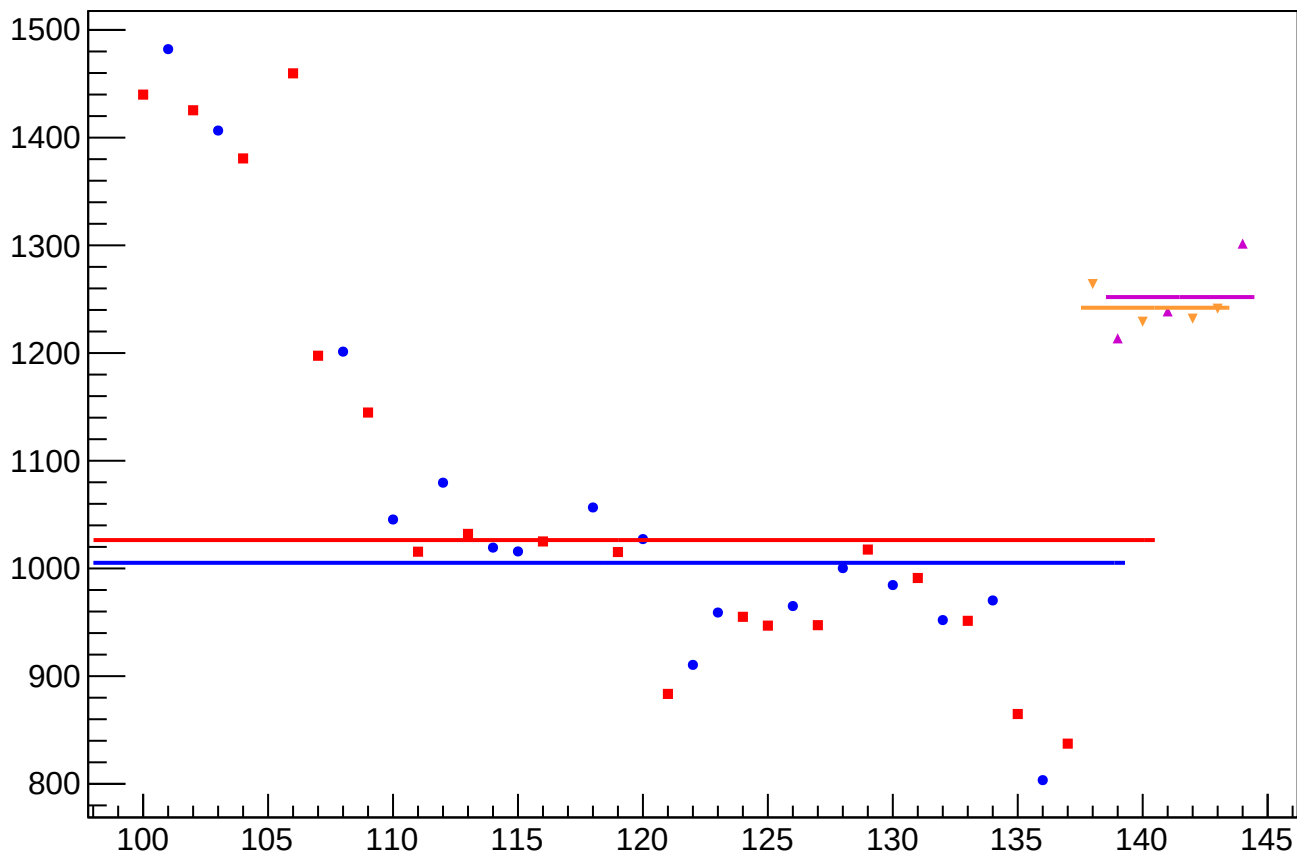
Left In: -13.649 ± 0.812 χ^2/NDF : 7.3/2

+ sign -4.286 ± 0.350 χ^2/NDF : 112.5/20

All: -3.092 ± 0.248 χ^2/NDF : 524.6/42

- sign -1.891 ± 0.351 χ^2/NDF : 388.8/21

diff_bpm0l04Y_rms vs Slug



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

Left Out: 1242.067+/-0.542 χ^2/NDF : 678.6/3

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

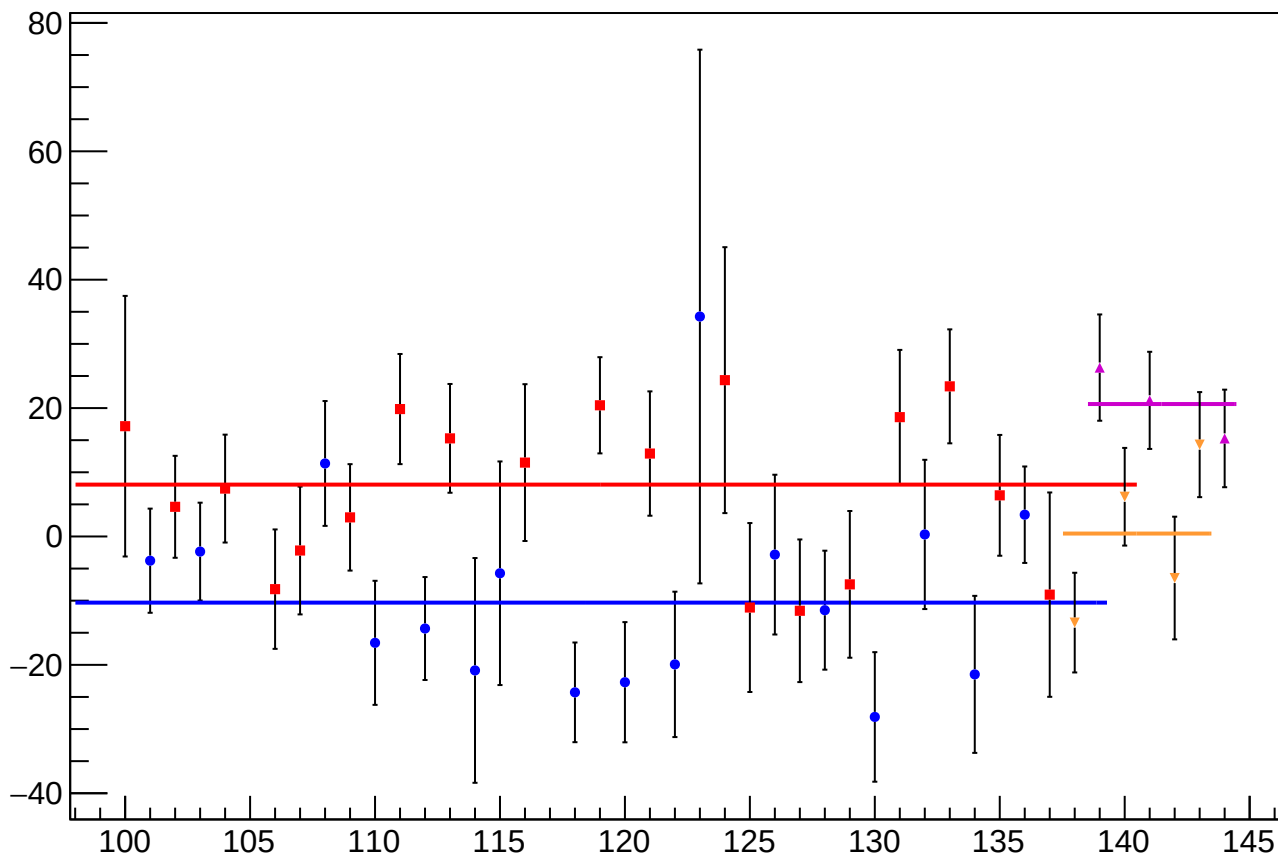
Left In: 1251.970+/-0.574 χ^2/NDF : 4036.4/2

+ sign 1054.564+/-0.247 χ^2/NDF : 513635.9/20

All: 1061.508+/-0.175 χ^2/NDF : 977775.5/42

- sign 1068.493+/-0.248 χ^2/NDF : 462560.1/21

diff_bpm0l05X_mean vs Slug



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

Left Out: 0.454 ± 4.091 χ^2/NDF : 7.2/3

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

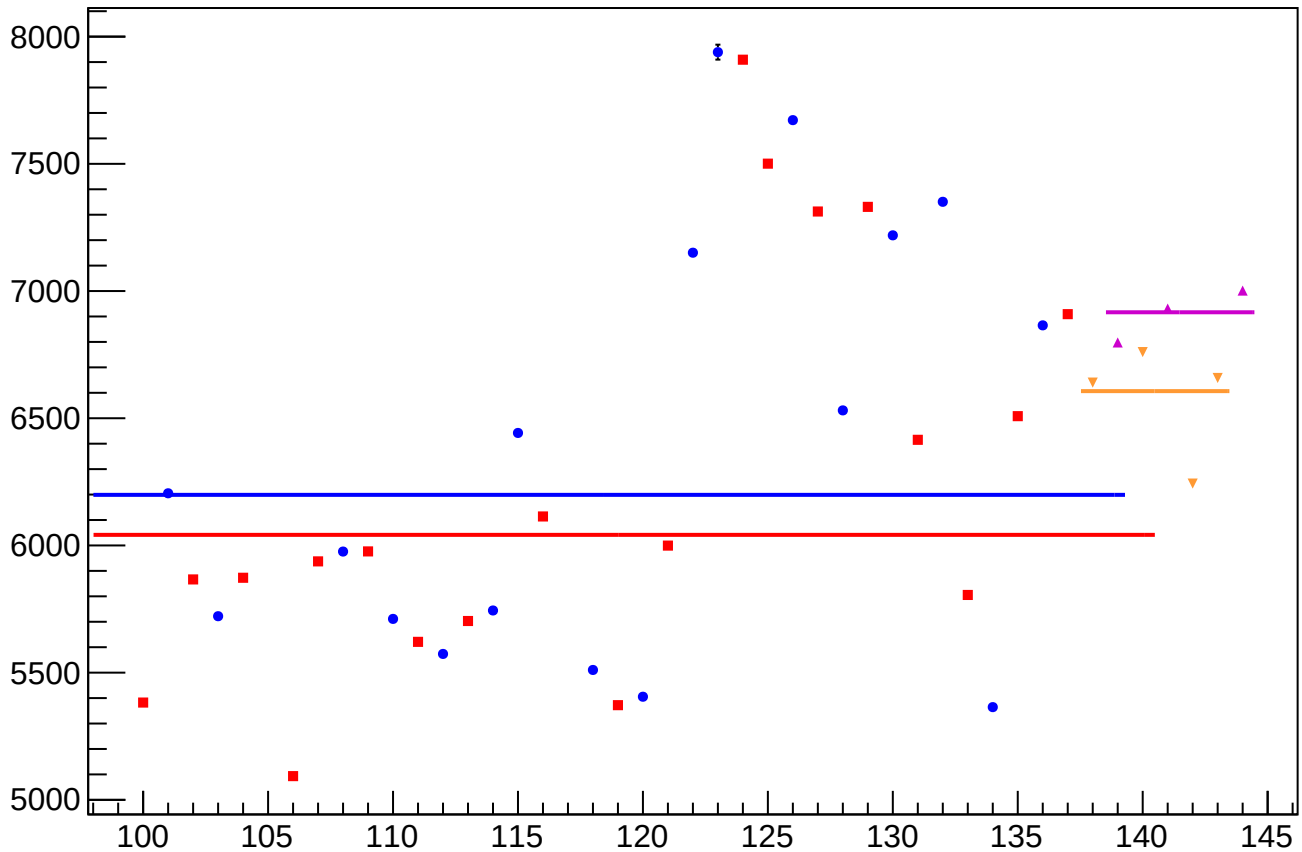
Left In: 20.630 ± 4.500 χ^2/NDF : 1.0/2

+ sign -7.530 ± 2.078 χ^2/NDF : 35.4/20

All: 1.748 ± 1.454 χ^2/NDF : 105.1/42

- sign 10.644 ± 2.034 χ^2/NDF : 30.6/21

diff_bpm0l05X_rms vs Slug



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

Left Out: 6606.601+/-2.893 χ^2/NDF : 3823.5/3

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

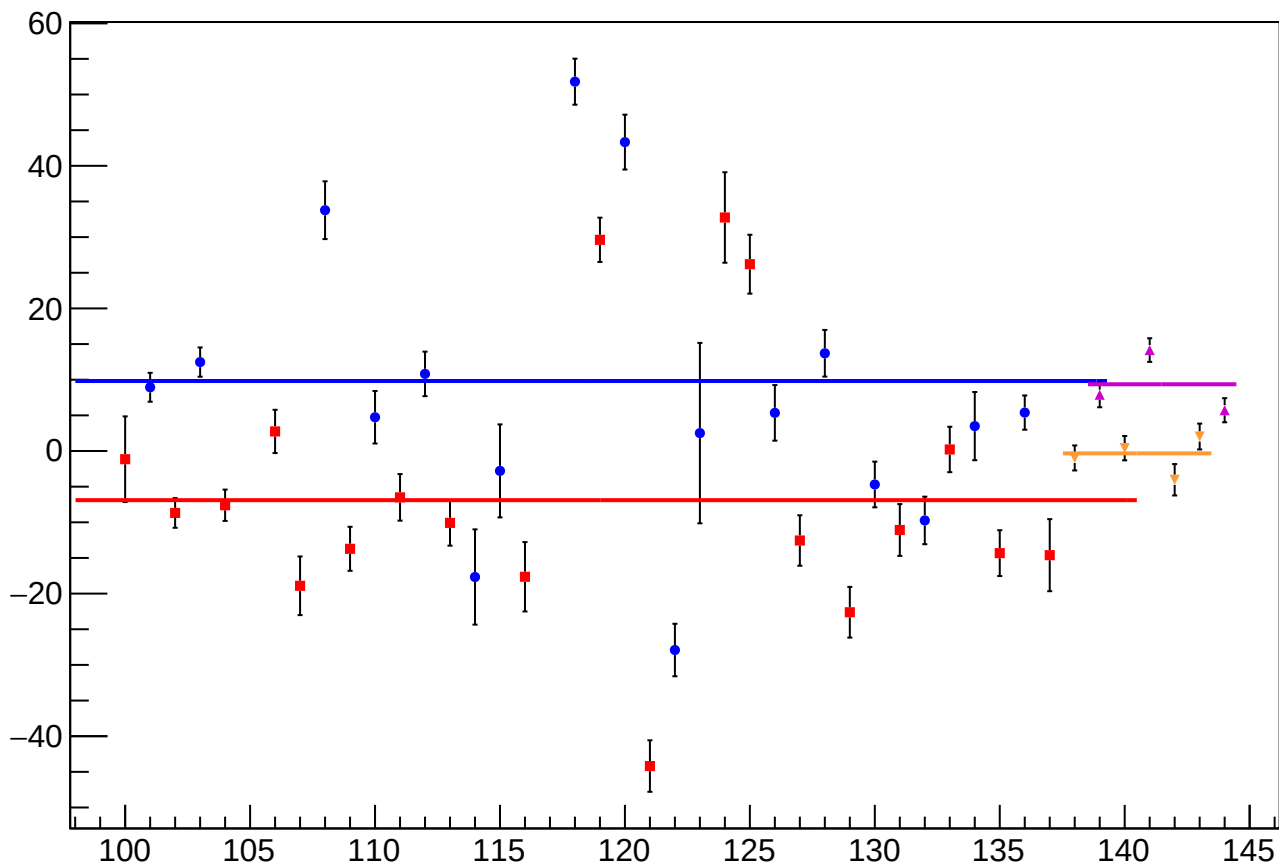
Left In: 6916.542+/-3.182 χ^2/NDF : 670.0/2

+ sign 6304.031+/-1.469 χ^2/NDF : 189872.0/20

All: 6261.346+/-1.028 χ^2/NDF : 408729.2/42

- sign 6220.420+/-1.439 χ^2/NDF : 217203.6/21

diff_bpm0l05Y_mean vs Slug



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

Left Out: -0.333 ± 0.921 χ^2/NDF : 4.8/3

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

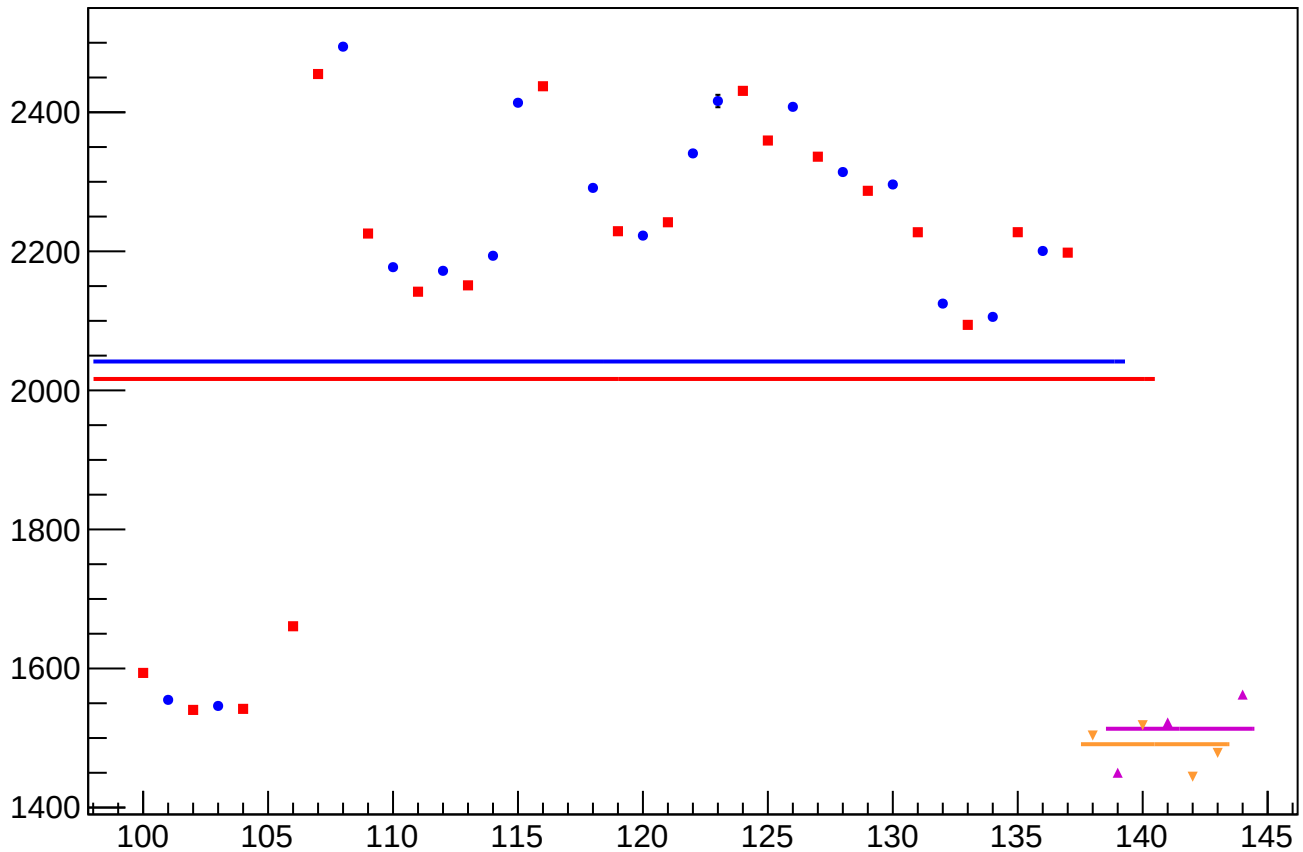
Left In: 9.362 ± 0.982 χ^2/NDF : 13.7/2

+ sign 5.466 ± 0.603 χ^2/NDF : 546.9/20

All: 2.364 ± 0.427 χ^2/NDF : 1199.1/42

- sign -0.748 ± 0.604 χ^2/NDF : 599.2/21

diff_bpm0l05Y_rms vs Slug



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

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

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

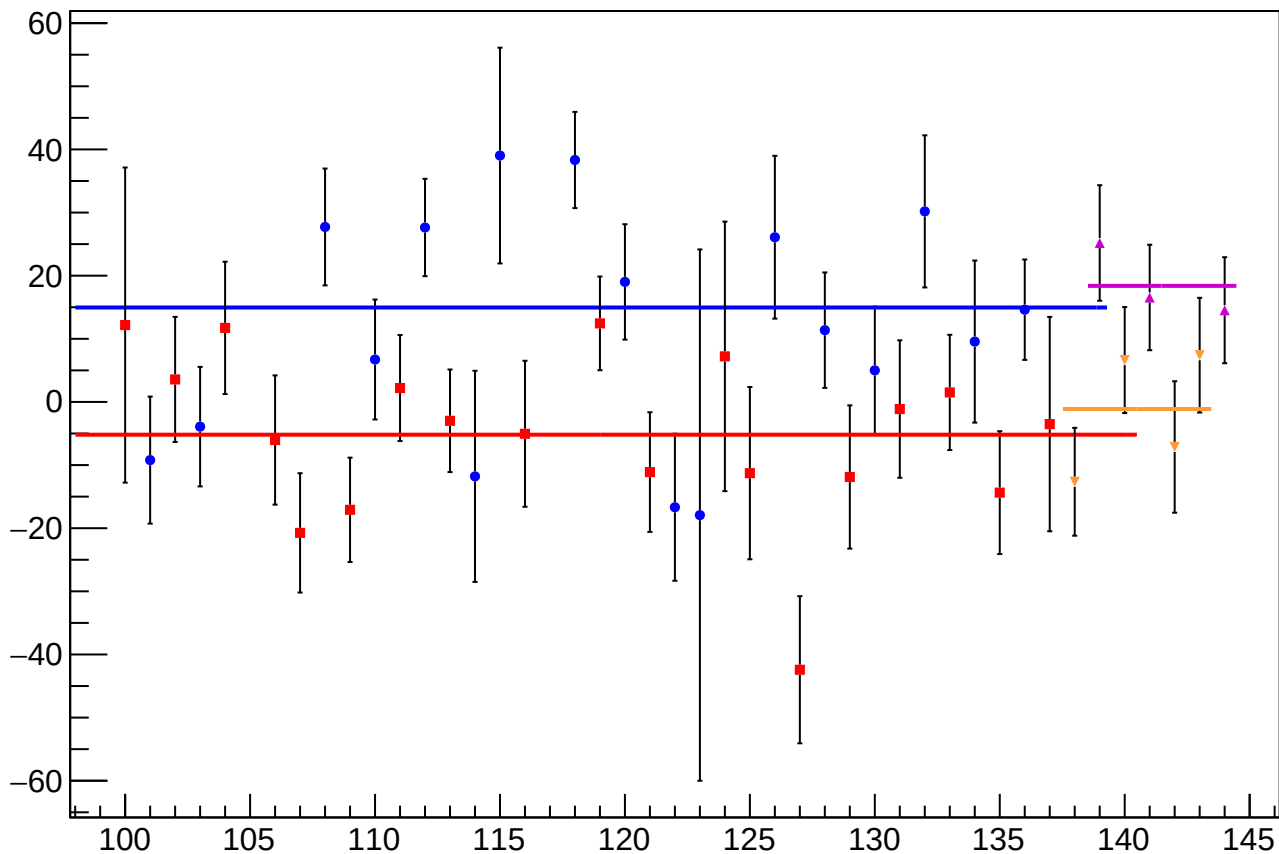
Left In: 1513.326+/-0.695 χ^2/NDF : 4336.4/2

+ sign 1805.534+/-0.426 χ^2/NDF : 765864.2/20

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

- sign 1826.215+/-0.427 χ^2/NDF : 705812.3/21

diff_bpm0l06X_mean vs Slug



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

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

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

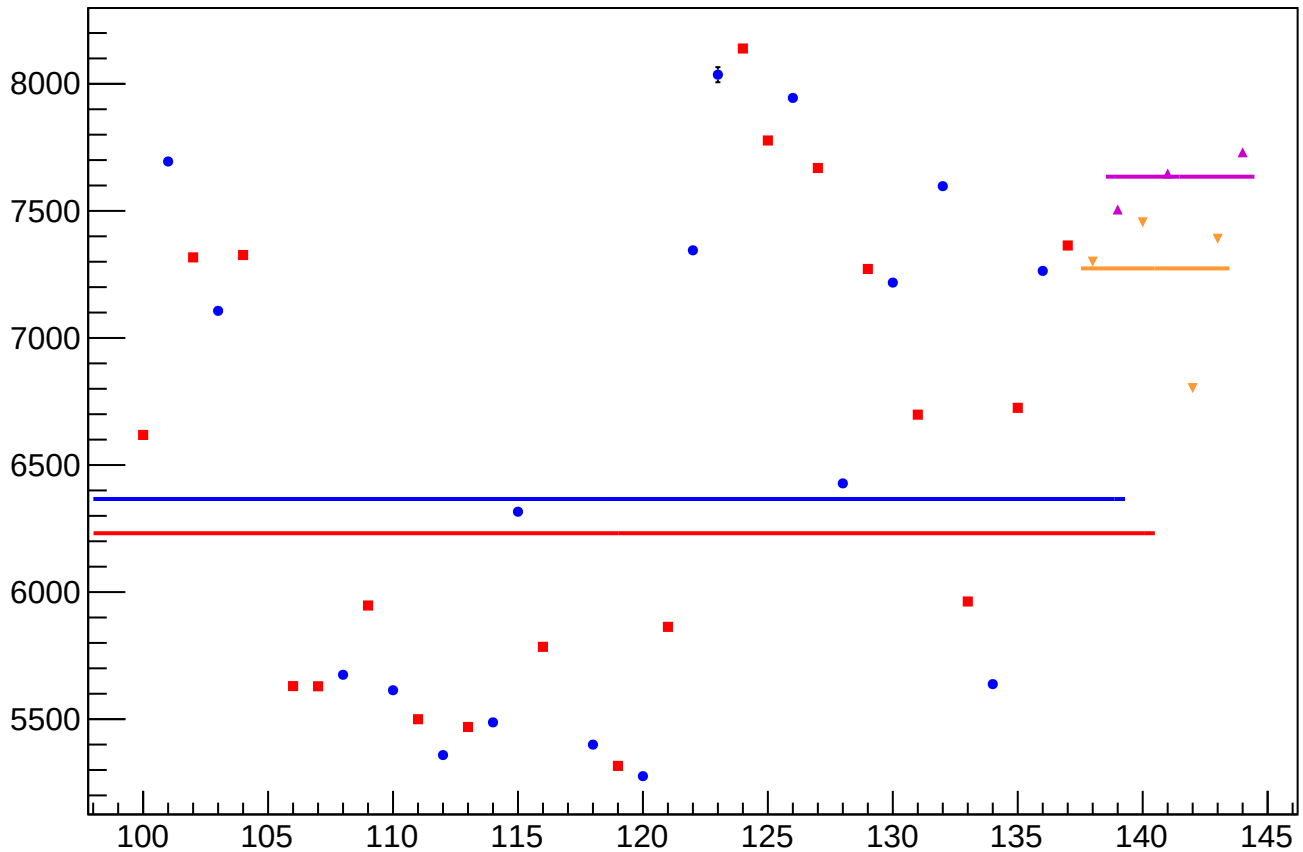
Left In: 18.387 $\pm$ 4.971 χ^2 /NDF: 0.8/2

+ sign 11.202 $\pm$ 2.179 χ^2 /NDF: 54.5/20

All: 5.042 $\pm$ 1.524 χ^2 /NDF: 117.5/42

- sign -0.852 $\pm$ 2.132 χ^2 /NDF: 47.4/21

diff_bpm0l06X_rms vs Slug



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

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

+ sign 6578.466+/-1.541 χ^2/NDF : 353053.5/20

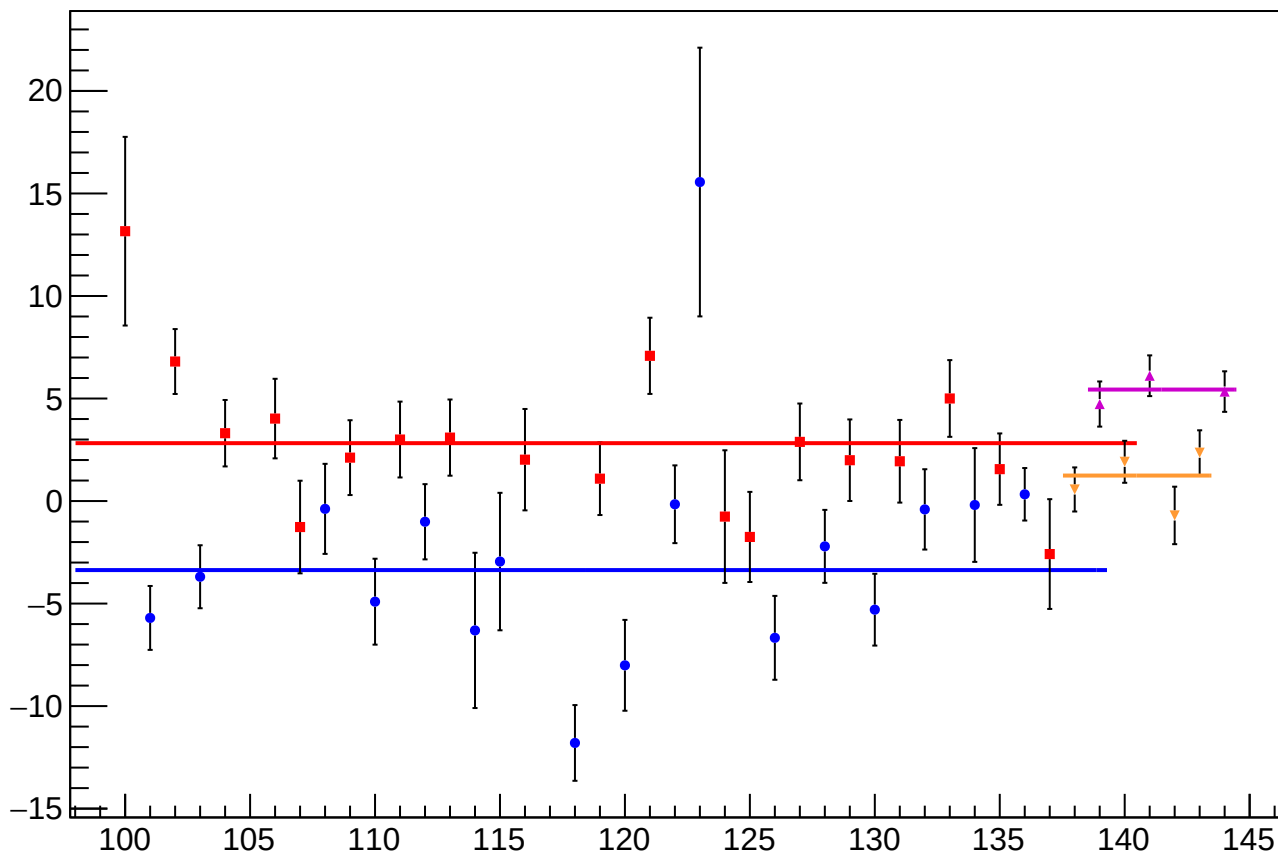
Right Out: 6231.657+/-1.669 χ^2/NDF : 241308.4/18

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

- sign 6489.676+/-1.507 χ^2/NDF : 371987.4/21

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

diff_bpm0l06Y_mean vs Slug



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

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

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

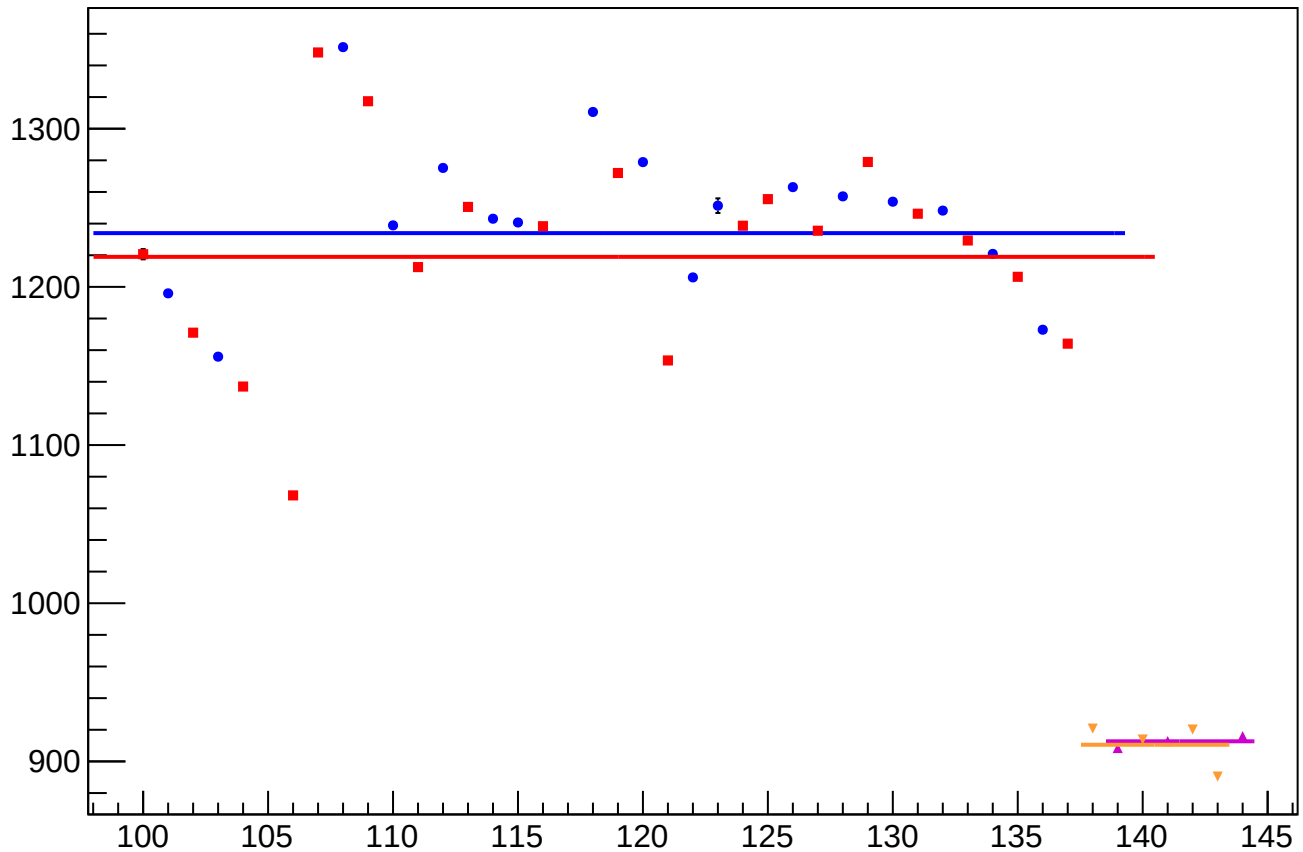
Left In: 5.437 ± 0.591 χ^2/NDF : 0.9/2

+ sign -1.439 ± 0.363 χ^2/NDF : 102.5/20

All: 1.193 ± 0.256 χ^2/NDF : 253.7/42

- sign 3.801 ± 0.362 χ^2/NDF : 46.6/21

diff_bpm0l06Y_rms vs Slug



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

Left Out: 910.533 ± 0.397 χ^2/NDF : 974.9/3

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

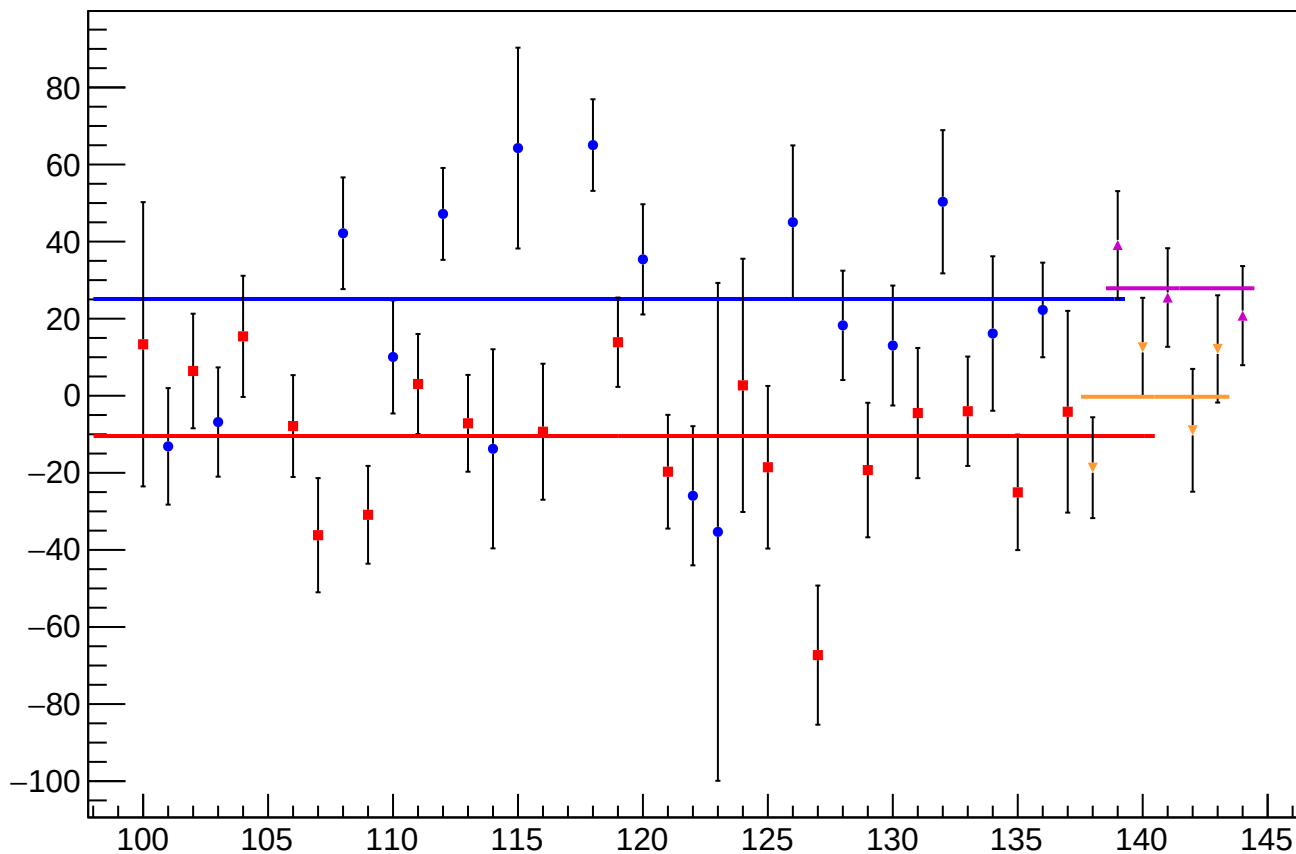
Left In: 912.712 ± 0.418 χ^2/NDF : 51.8/2

+ sign 1098.743 ± 0.257 χ^2/NDF : 410090.5/20

All: 1101.576 ± 0.181 χ^2/NDF : 786682.1/42

- sign 1104.382 ± 0.256 χ^2/NDF : 376349.6/21

diff_bpm0l07X_mean vs Slug



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

Left Out: -0.262 $\pm$ 6.900 χ^2 /NDF:4.1/3

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

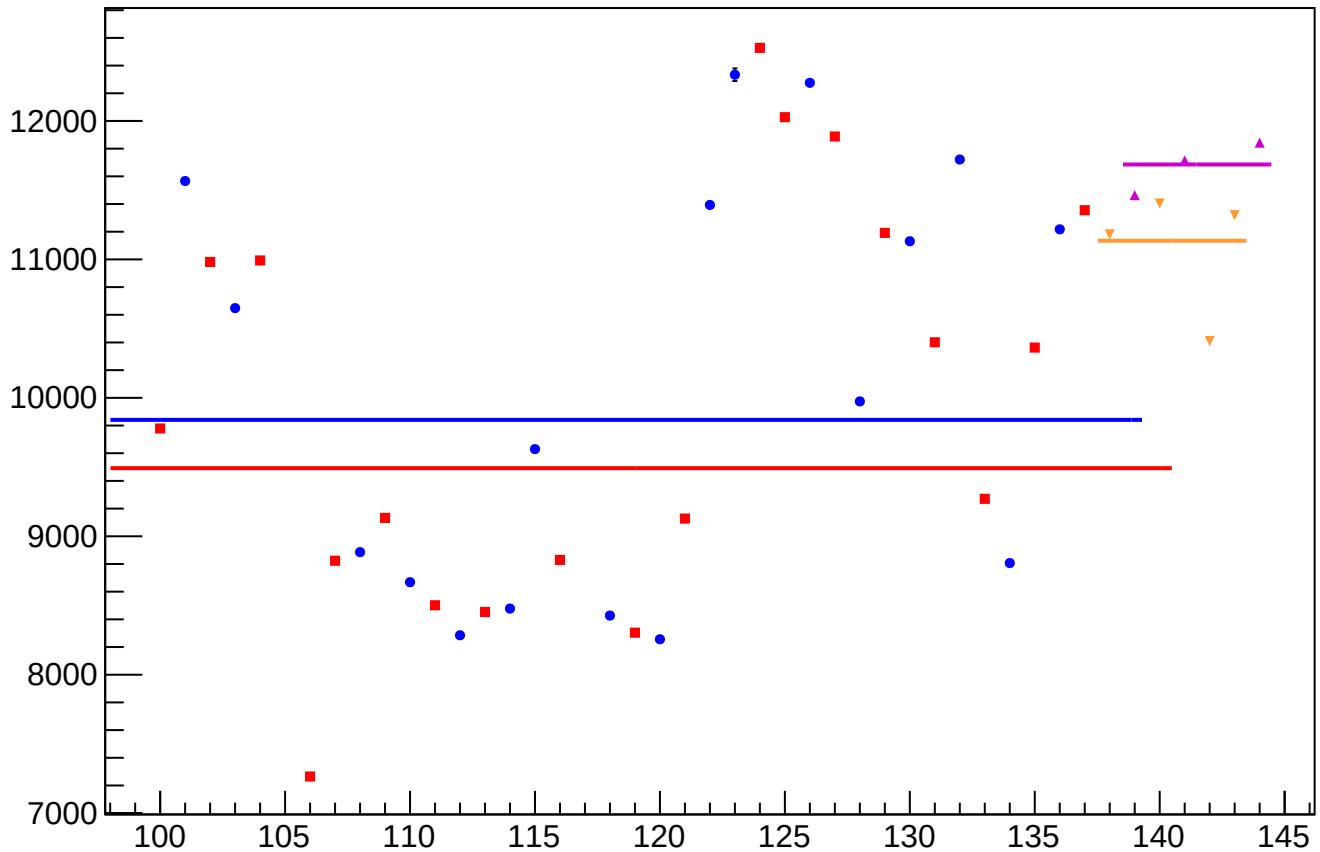
Left In: 27.885 $\pm$ 7.609 χ^2 /NDF:1.0/2

+ sign 19.098 $\pm$ 3.358 χ^2 /NDF: 60.9/20

All: 7.469 $\pm$ 2.336 χ^2 /NDF: 133.7/42

- sign -3.443 $\pm$ 3.253 χ^2 /NDF: 49.6/21

diff_bpm0l07X_rms vs Slug



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

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

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

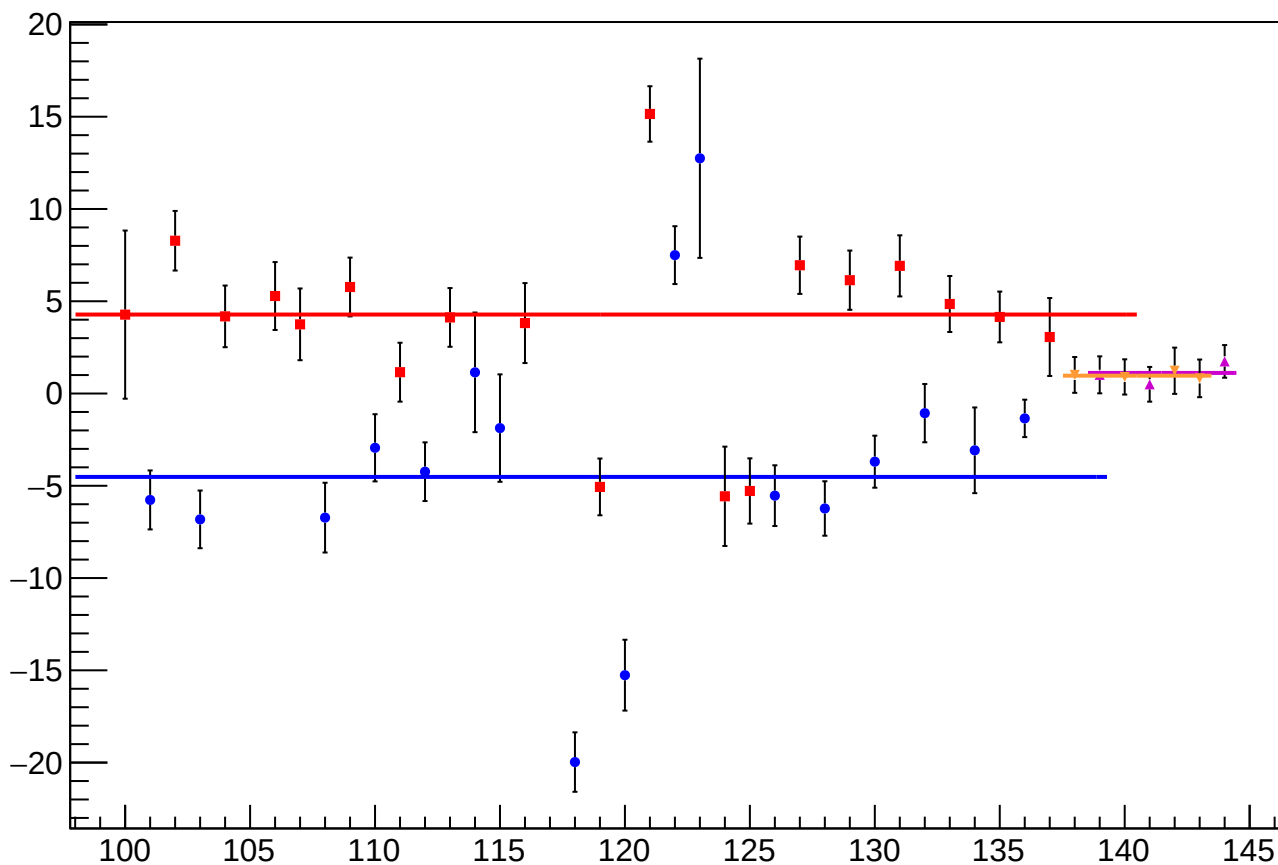
Left In: 11685.682 $\pm$ 5.380 χ^2 /NDF: 812.4/2

+ sign 10147.463 $\pm$ 2.375 χ^2 /NDF: 318172.5/20

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

- sign 9892.949 $\pm$ 2.300 χ^2 /NDF: 411257.1/21

diff_bpm0l07Y_mean vs Slug



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

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

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

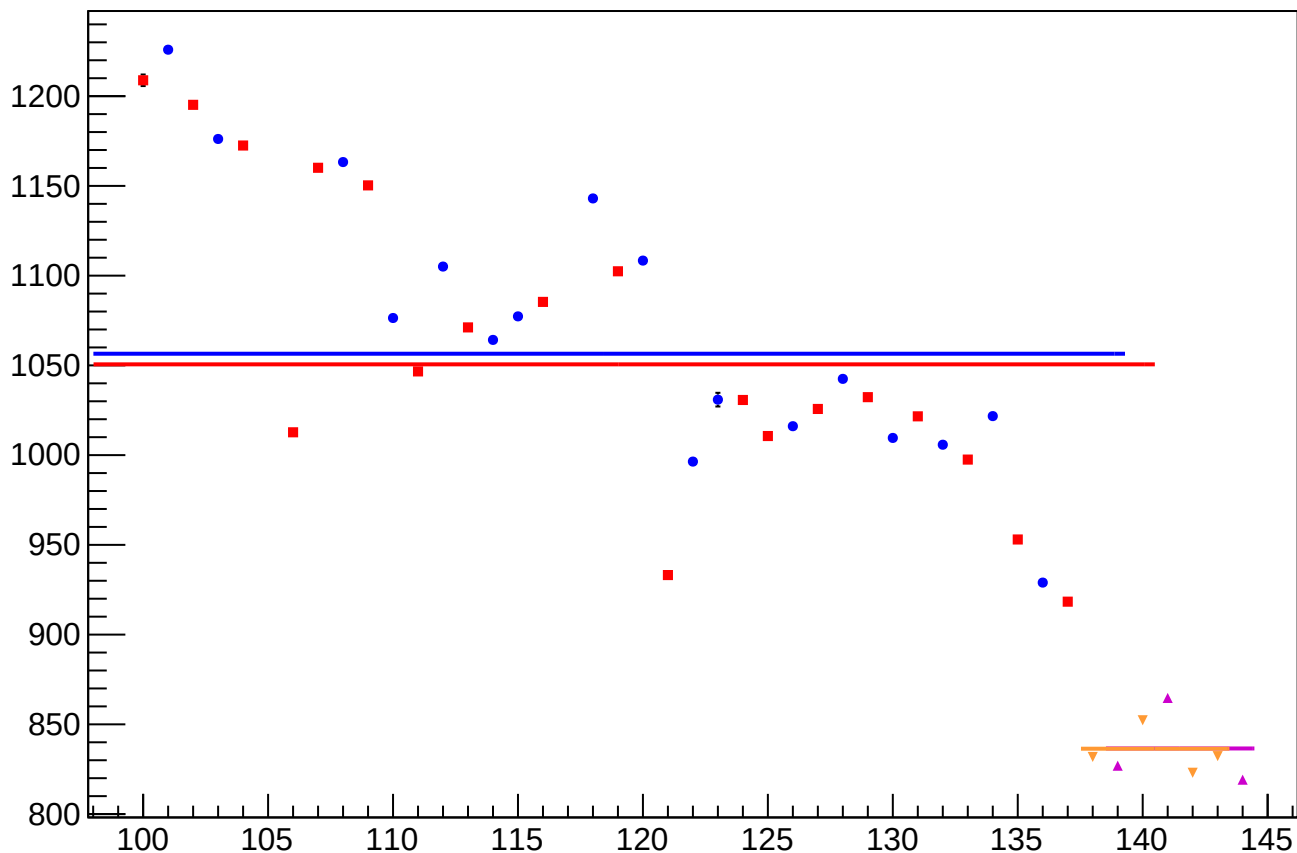
Left In: 1.116 ± 0.542 χ^2/NDF : 0.9/2

+ sign -2.404 ± 0.320 χ^2/NDF : 287.7/20

All: 0.403 ± 0.226 χ^2/NDF : 614.0/42

- sign 3.183 ± 0.319 χ^2/NDF : 173.6/21

diff_bpm0l07Y_rms vs Slug



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

Left Out: 836.426 $\pm$ 0.365 χ^2 /NDF:856.5/3

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

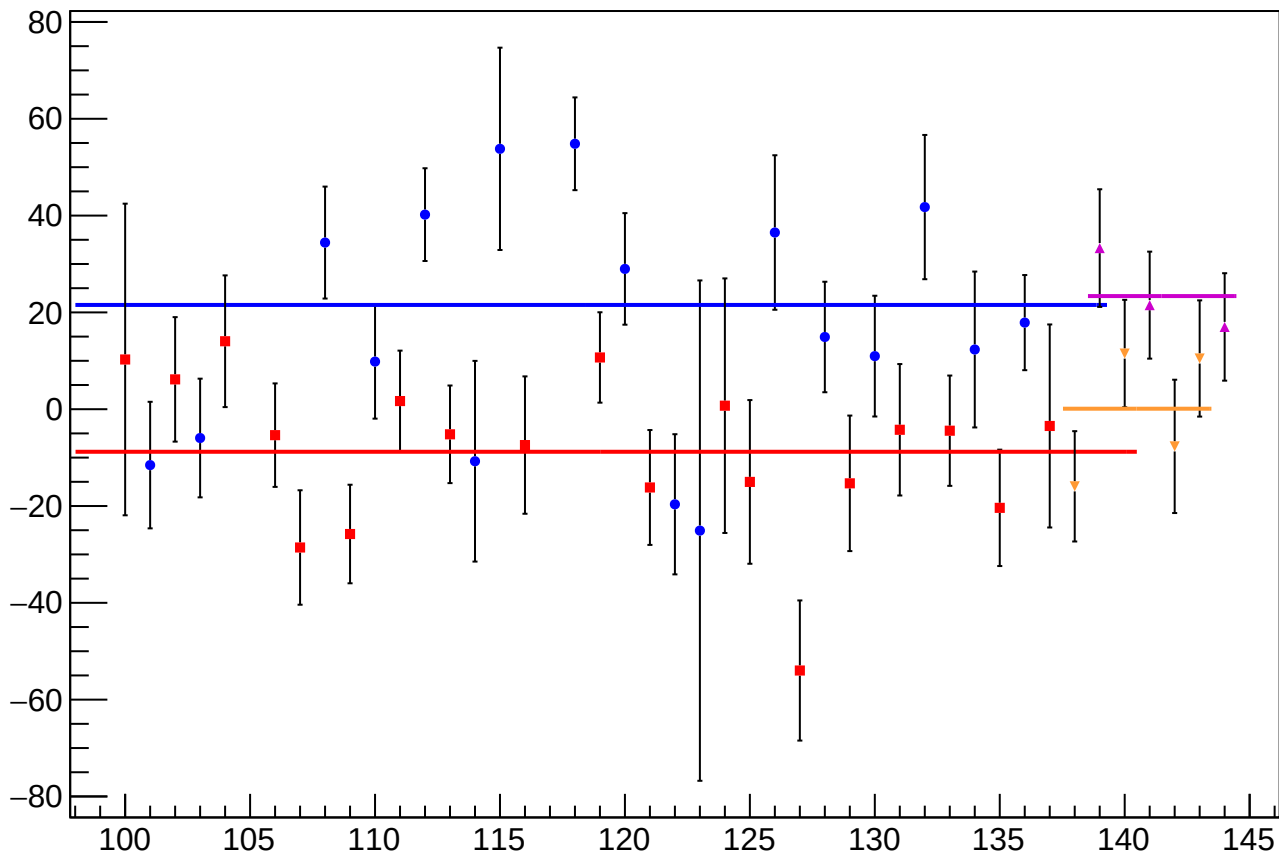
Left In: 836.561 $\pm$ 0.383 χ^2 /NDF:2748.2/2

+ sign 971.604 $\pm$ 0.227 χ^2 /NDF: 315070.1/20

All: 974.032 $\pm$ 0.160 χ^2 /NDF: 604174.6/42

- sign 976.437 $\pm$ 0.226 χ^2 /NDF: 288876.0/21

diff_bpm0l08X_mean vs Slug



Right In: 21.541 ± 3.116 $\chi^2/\text{NDF}: 47.9/16$

Left Out: 0.104 ± 5.973 $\chi^2/\text{NDF}: 4.1/3$

Right Out: -8.792 ± 2.915 $\chi^2/\text{NDF}: 27.6/18$

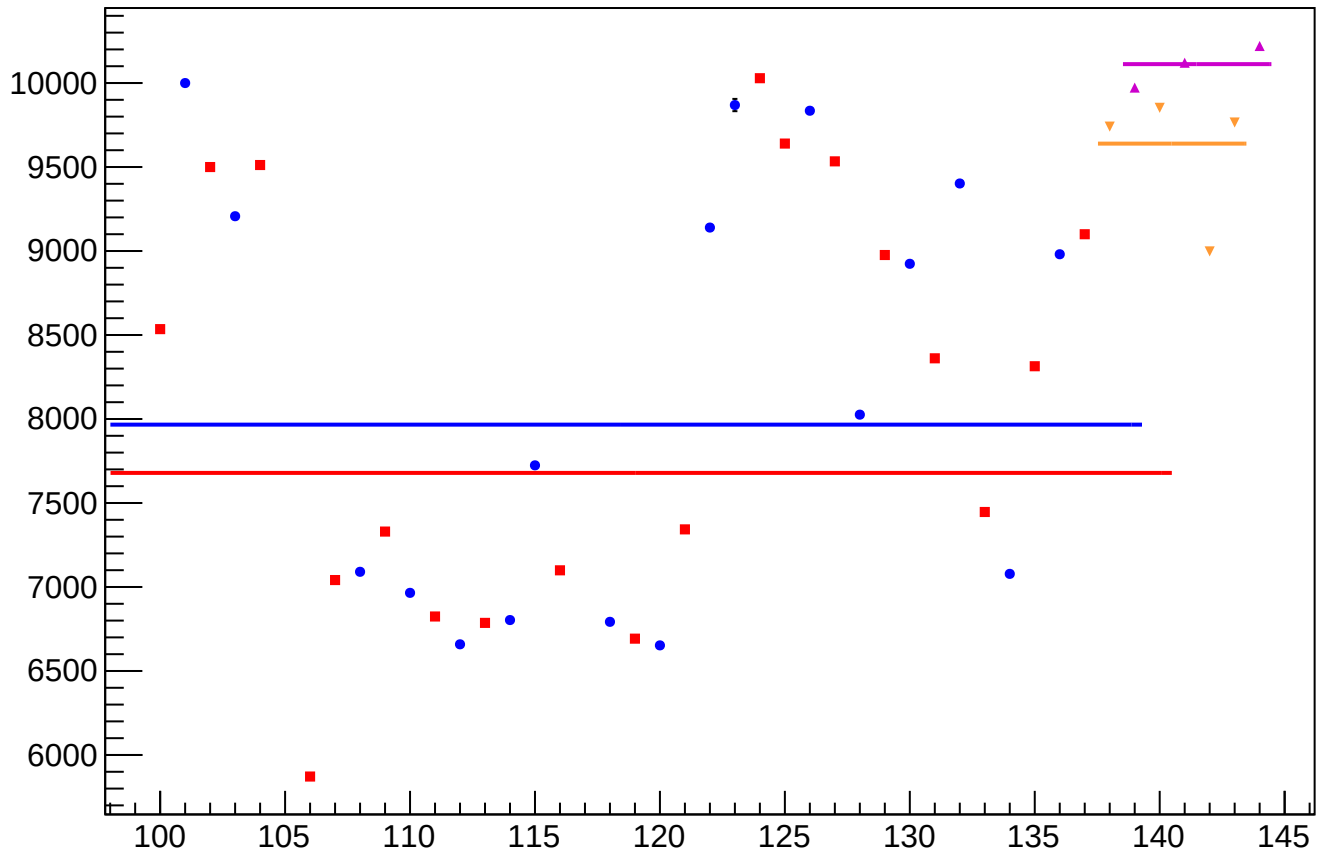
Left In: 23.372 ± 6.583 $\chi^2/\text{NDF}: 1.0/2$

+ sign 16.955 ± 2.763 $\chi^2/\text{NDF}: 62.1/20$

All: 6.351 ± 1.918 $\chi^2/\text{NDF}: 139.1/42$

- sign -3.520 ± 2.665 $\chi^2/\text{NDF}: 48.6/21$

diff_bpm0l08X_rms vs Slug



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

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

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

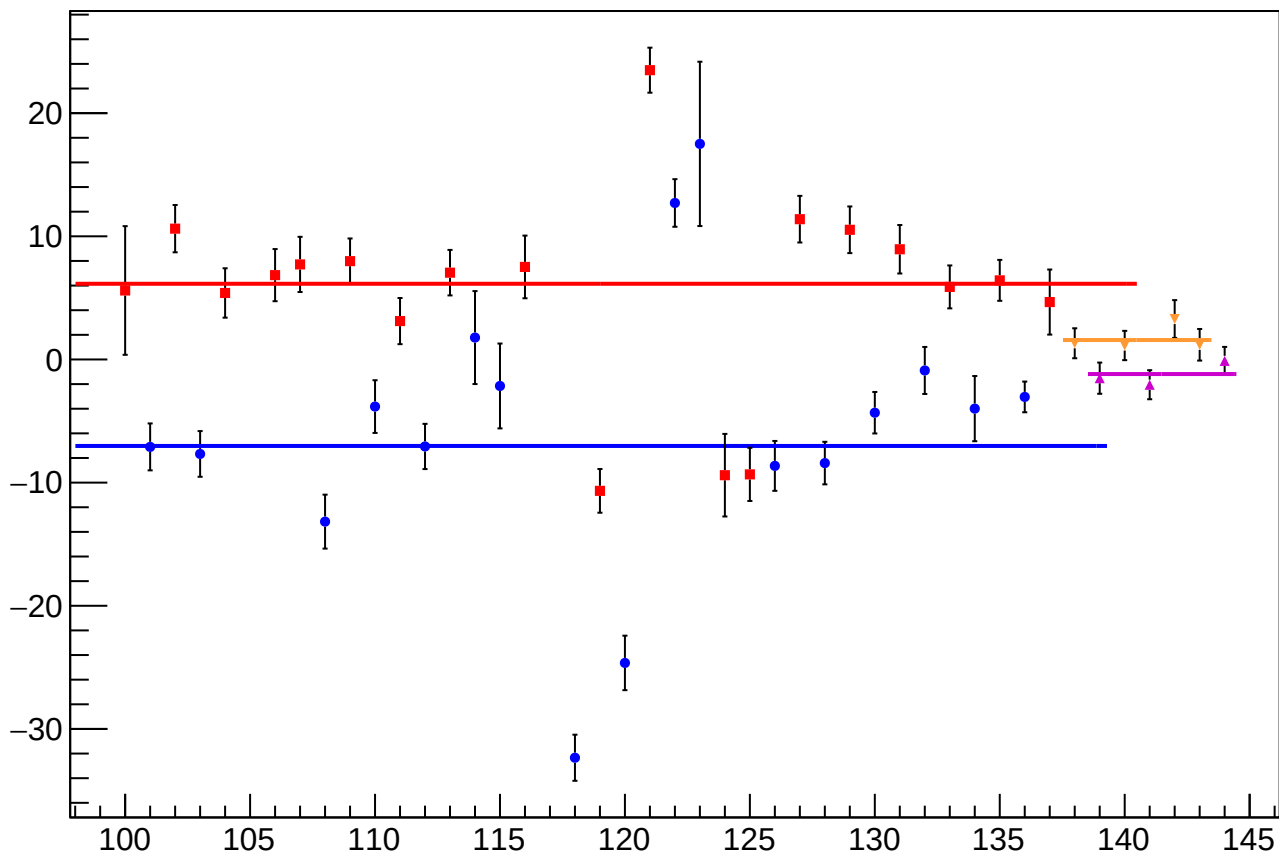
Left In: 10112.455 $\pm$ 4.655 χ^2/NDF : 454.3/2

+ sign 8324.318 $\pm$ 1.953 χ^2/NDF : 424437.4/20

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

- sign 8077.980 $\pm$ 1.885 χ^2/NDF : 541959.0/21

diff_bpm0l08Y_mean vs Slug



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

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

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

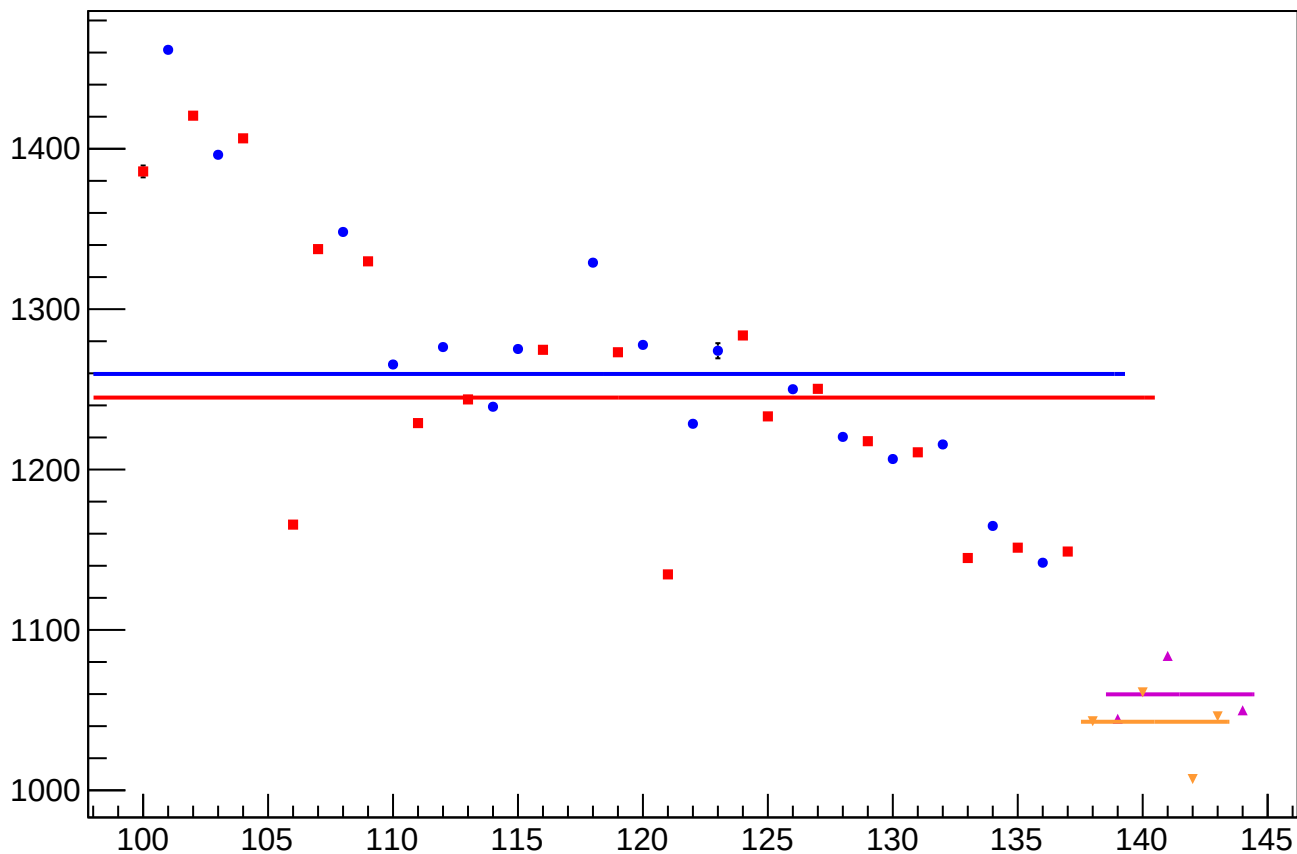
Left In: -1.183 ± 0.687 $\chi^2/\text{NDF}: 1.5/2$

+ sign -3.891 ± 0.388 $\chi^2/\text{NDF}: 522.3/20$

All: -0.013 ± 0.274 $\chi^2/\text{NDF}: 1078.4/42$

- sign 3.827 ± 0.386 $\chi^2/\text{NDF}: 357.7/21$

diff_bpm0l08Y_rms vs Slug



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

Left Out: 1042.743 $\pm$ 0.455 χ^2 /NDF: 1571.6/3

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

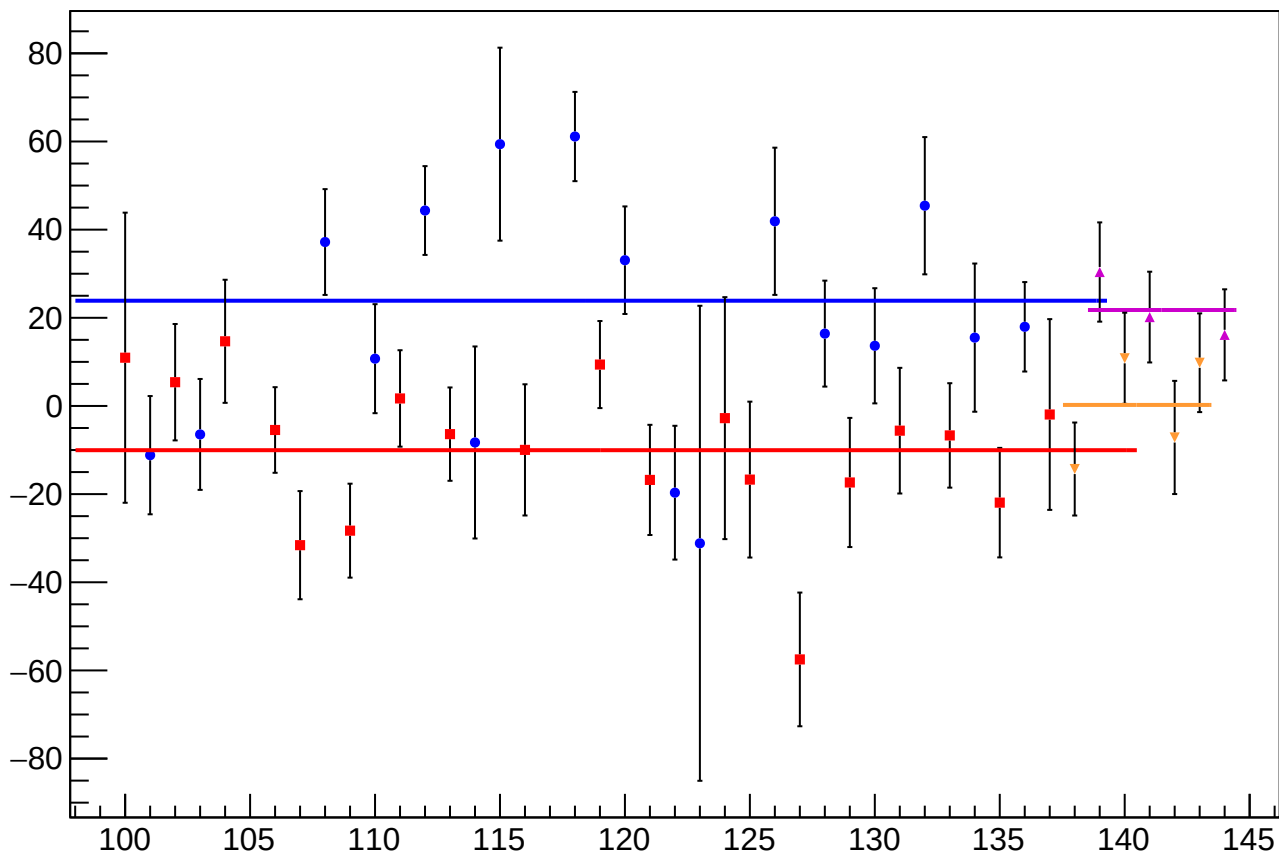
Left In: 1059.831 $\pm$ 0.486 χ^2 /NDF: 1267.2/2

+ sign 1180.637 $\pm$ 0.275 χ^2 /NDF: 210755.3/20

All: 1183.492 $\pm$ 0.194 χ^2 /NDF: 378234.7/42

- sign 1186.319 $\pm$ 0.273 χ^2 /NDF: 167264.4/21

diff_bpm0l09X_mean vs Slug



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

Left Out: 0.233 ± 5.556 χ^2/NDF : 4.0/3

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

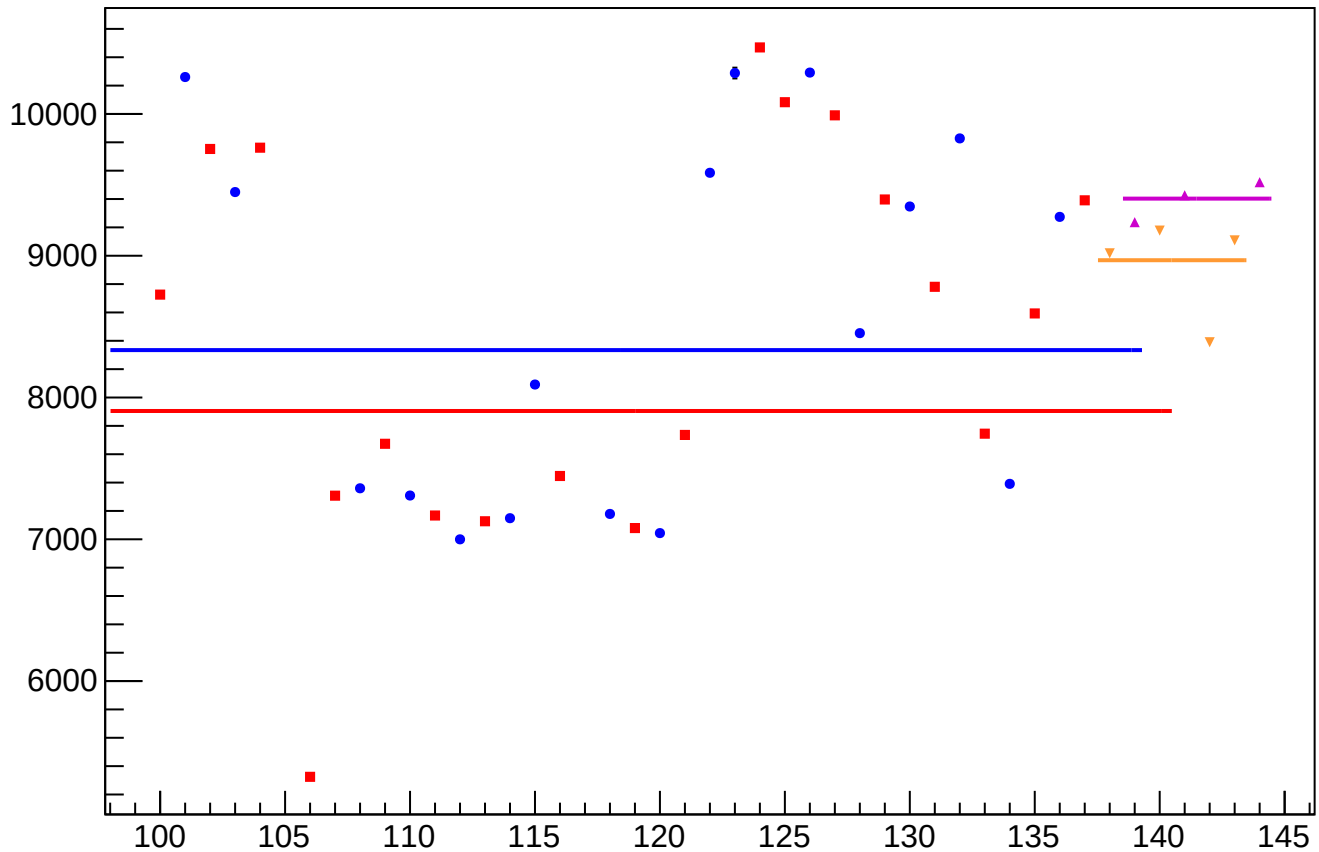
Left In: 21.770 ± 6.121 χ^2/NDF : 0.9/2

+ sign 17.832 ± 2.809 χ^2/NDF : 69.5/20

All: 6.562 ± 1.947 χ^2/NDF : 151.1/42

- sign -3.847 ± 2.700 χ^2/NDF : 50.7/21

diff_bpm0l09X_rms vs Slug



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

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

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

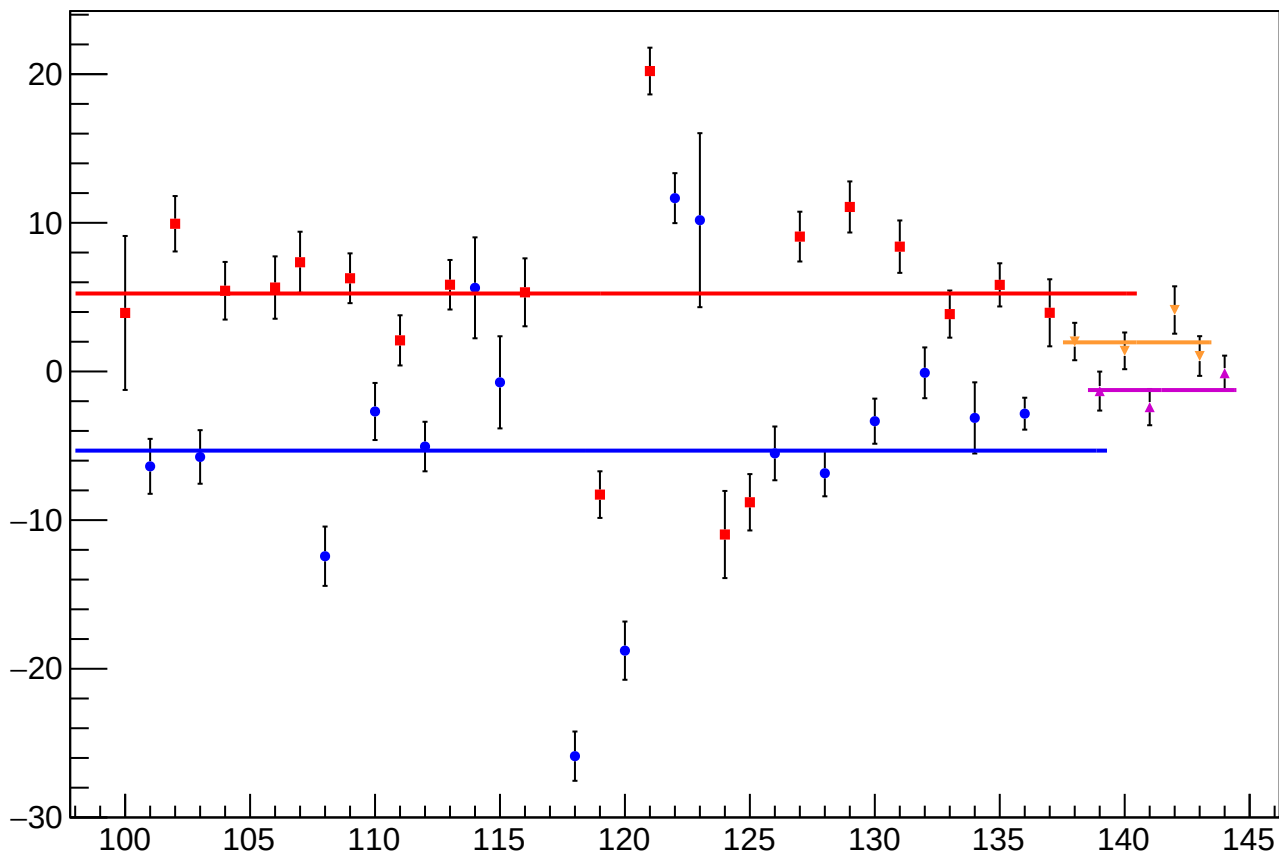
Left In: 9402.856+/-4.328 χ^2/NDF : 697.1/2

+ sign 8496.501+/-1.987 χ^2/NDF : 295980.7/20

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

- sign 8196.436+/-1.909 χ^2/NDF : 485749.9/21

diff_bpm0l09Y_mean vs Slug



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

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

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

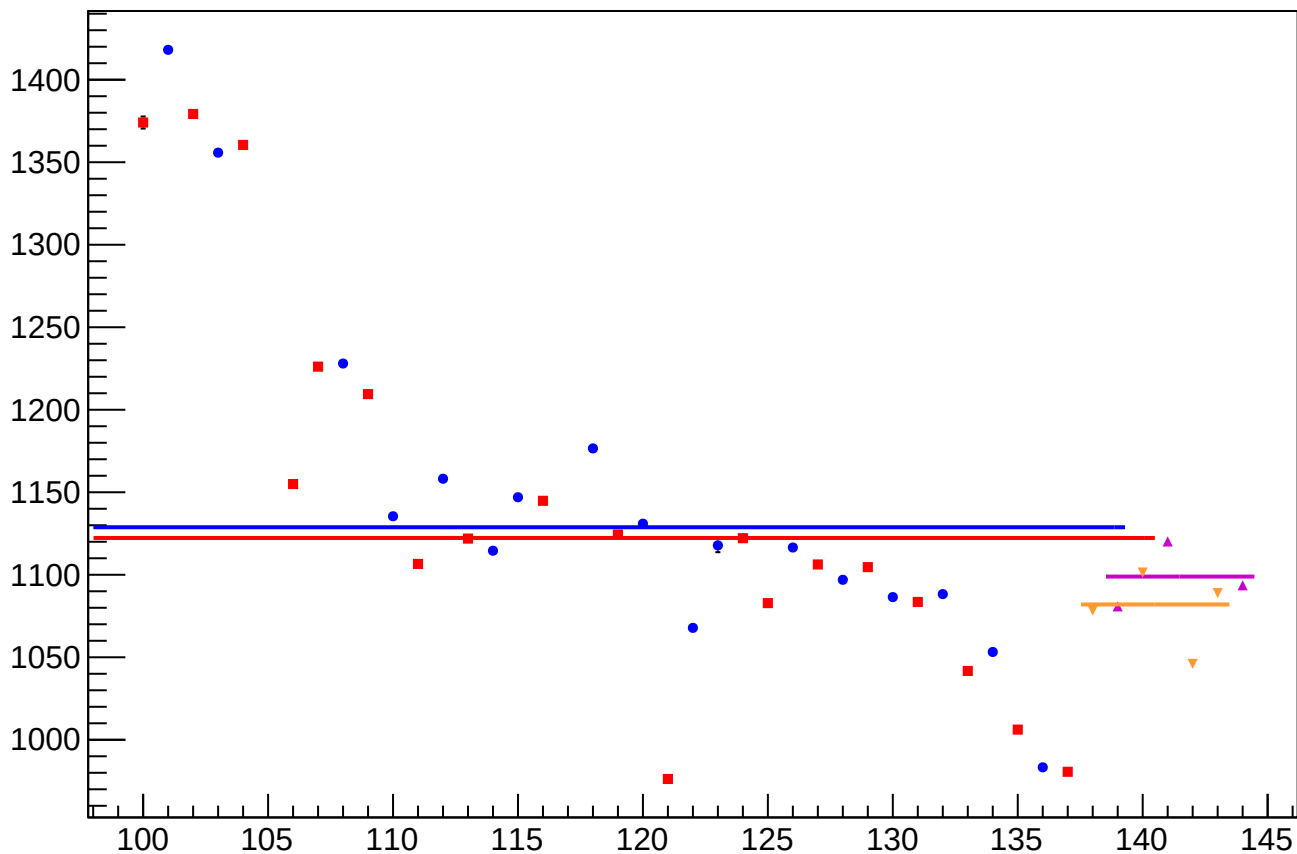
Left In: -1.250 ± 0.712 χ^2/NDF : 1.8/2

+ sign -3.136 ± 0.366 χ^2/NDF : 441.6/20

All: 0.234 ± 0.258 χ^2/NDF : 956.4/42

- sign 3.555 ± 0.363 χ^2/NDF : 346.4/21

diff_bpm0l09Y_rms vs Slug



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

Left Out: 1082.017 $\pm$ 0.472 χ^2 /NDF:1582.3/3

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

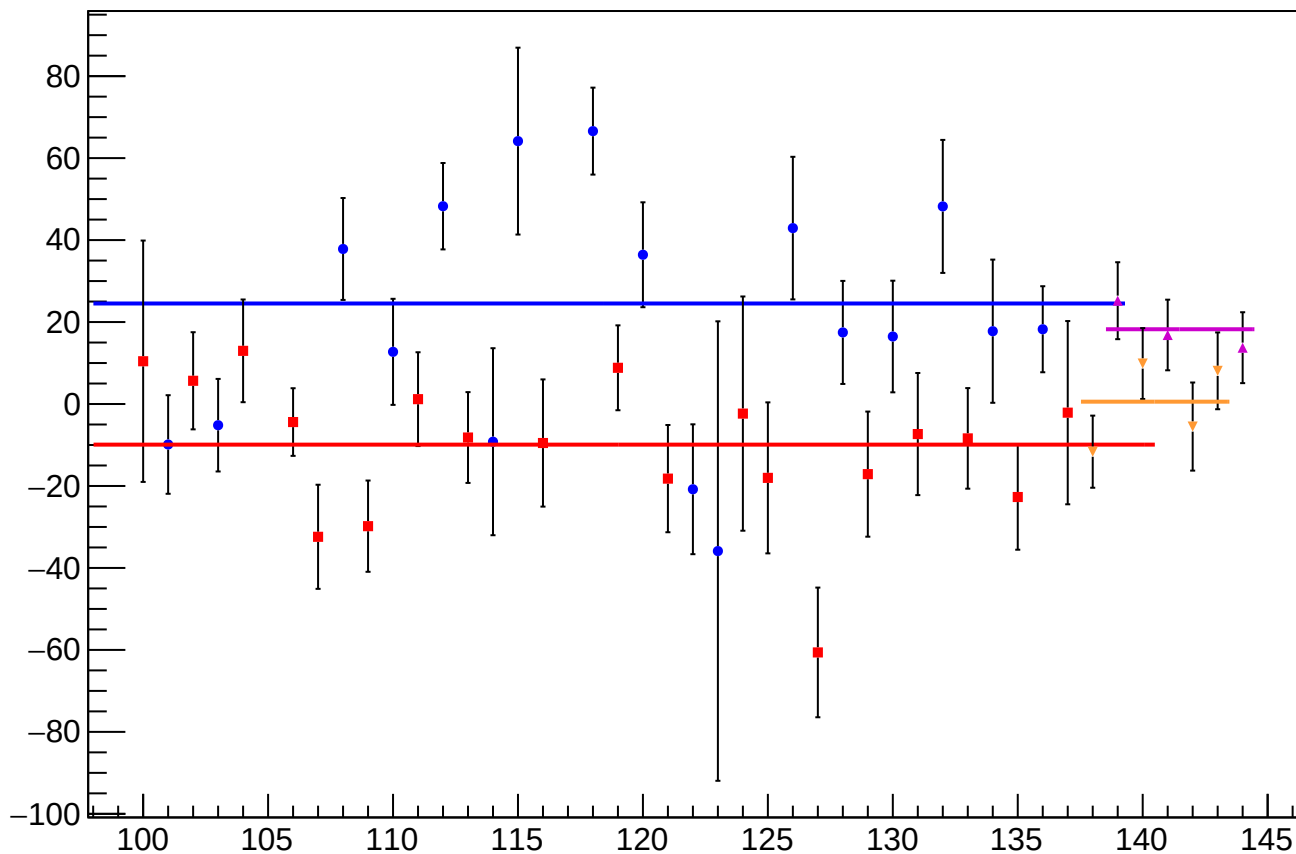
Left In: 1098.916 $\pm$ 0.504 χ^2 /NDF:1028.7/2

+ sign 1114.744 $\pm$ 0.259 χ^2 /NDF: 141525.5/20

All: 1115.487 $\pm$ 0.182 χ^2 /NDF: 273771.6/42

- sign 1116.220 $\pm$ 0.257 χ^2 /NDF: 132229.7/21

diff_bpm0l10X_mean vs Slug



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

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

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

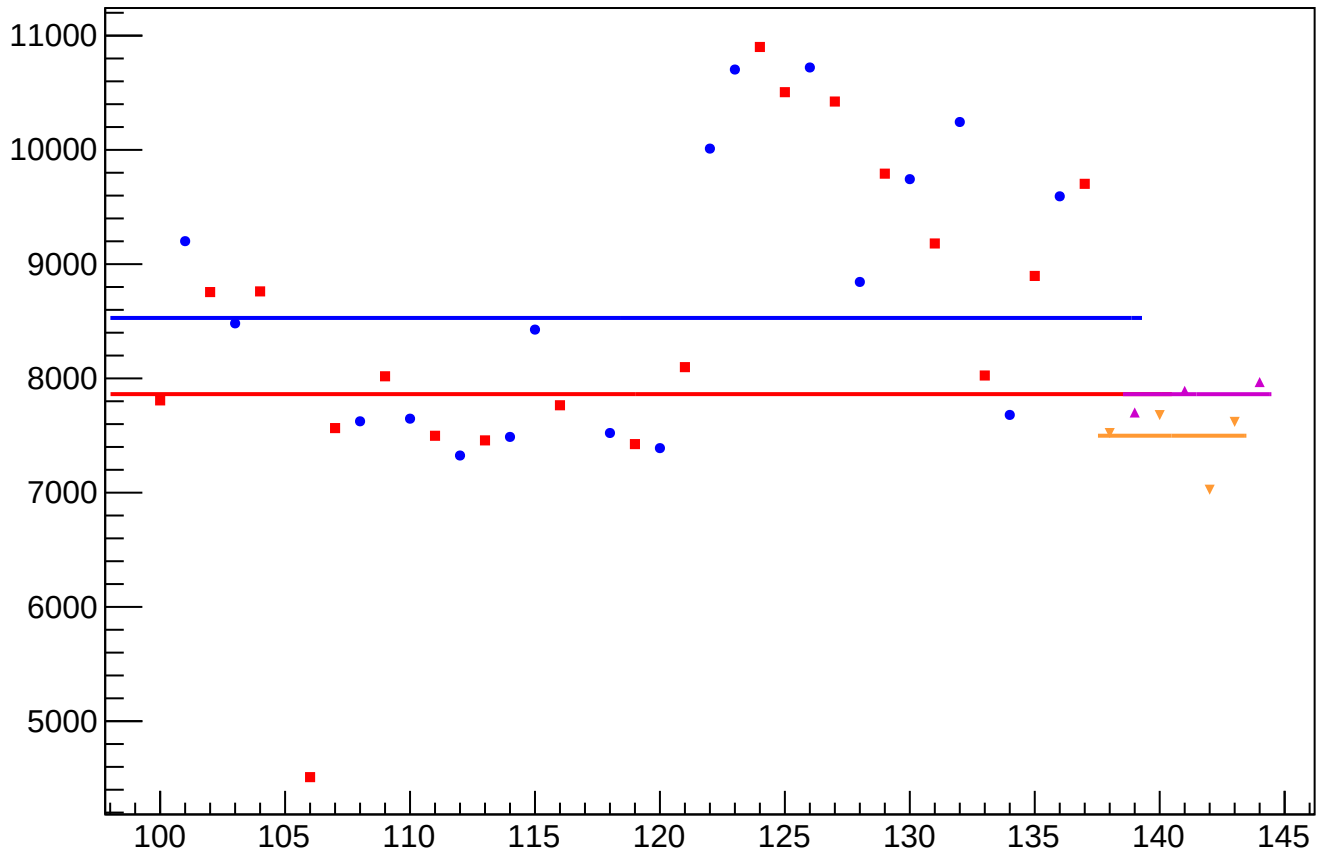
Left In: 18.244 ± 5.118 $\chi^2/\text{NDF}: 0.8/2$

+ sign 16.415 ± 2.703 $\chi^2/\text{NDF}: 79.3/20$

All: 6.481 ± 1.872 $\chi^2/\text{NDF}: 157.5/42$

- sign -2.673 ± 2.595 $\chi^2/\text{NDF}: 52.2/21$

diff_bpm0l10X_rms vs Slug



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

Left Out: 7498.479+/-3.285 χ^2/NDF : 5084.8/3

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

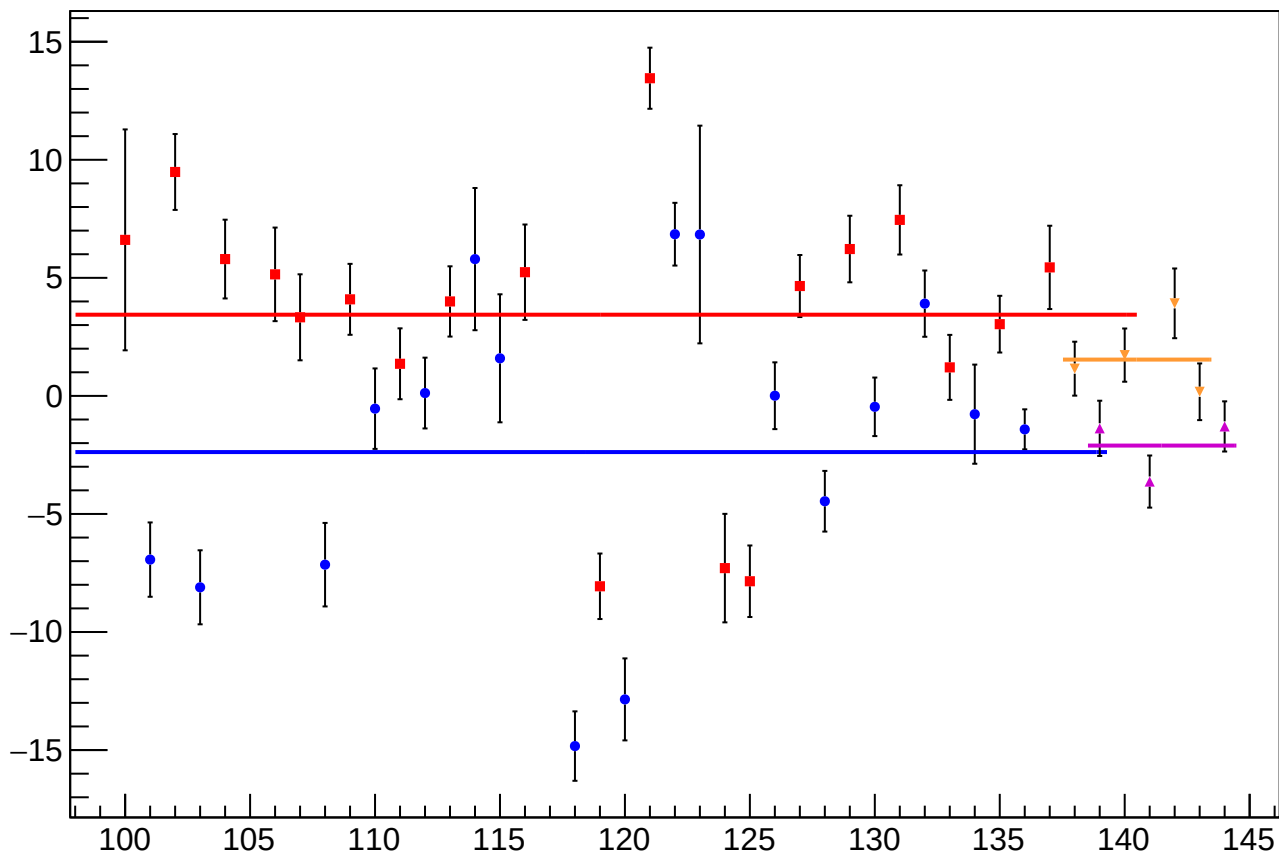
Left In: 7861.880+/-3.619 χ^2/NDF : 906.1/2

+ sign 8180.136+/-1.911 χ^2/NDF : 277594.4/20

All: 8014.720+/-1.324 χ^2/NDF : 845716.1/42

- sign 7862.299+/-1.835 χ^2/NDF : 553731.6/21

diff_bpm0l10Y_mean vs Slug



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

Left Out: 1.538 ± 0.608 χ^2/NDF : 4.0/3

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

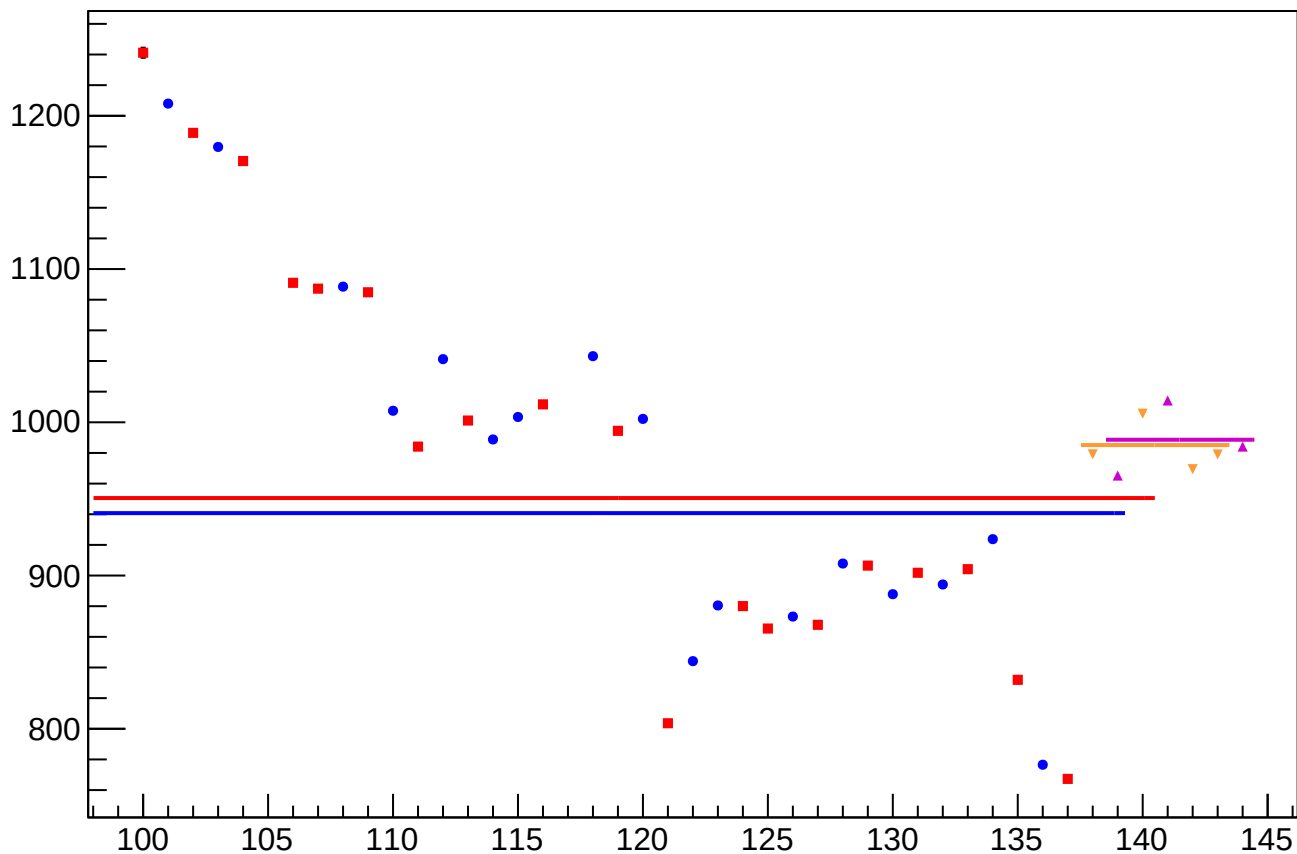
Left In: -2.104 ± 0.641 χ^2/NDF : 2.9/2

+ sign -1.336 ± 0.314 χ^2/NDF : 267.1/20

All: 0.393 ± 0.222 χ^2/NDF : 630.2/42

- sign 2.115 ± 0.313 χ^2/NDF : 302.5/21

diff_bpm0l10Y_rms vs Slug



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

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

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

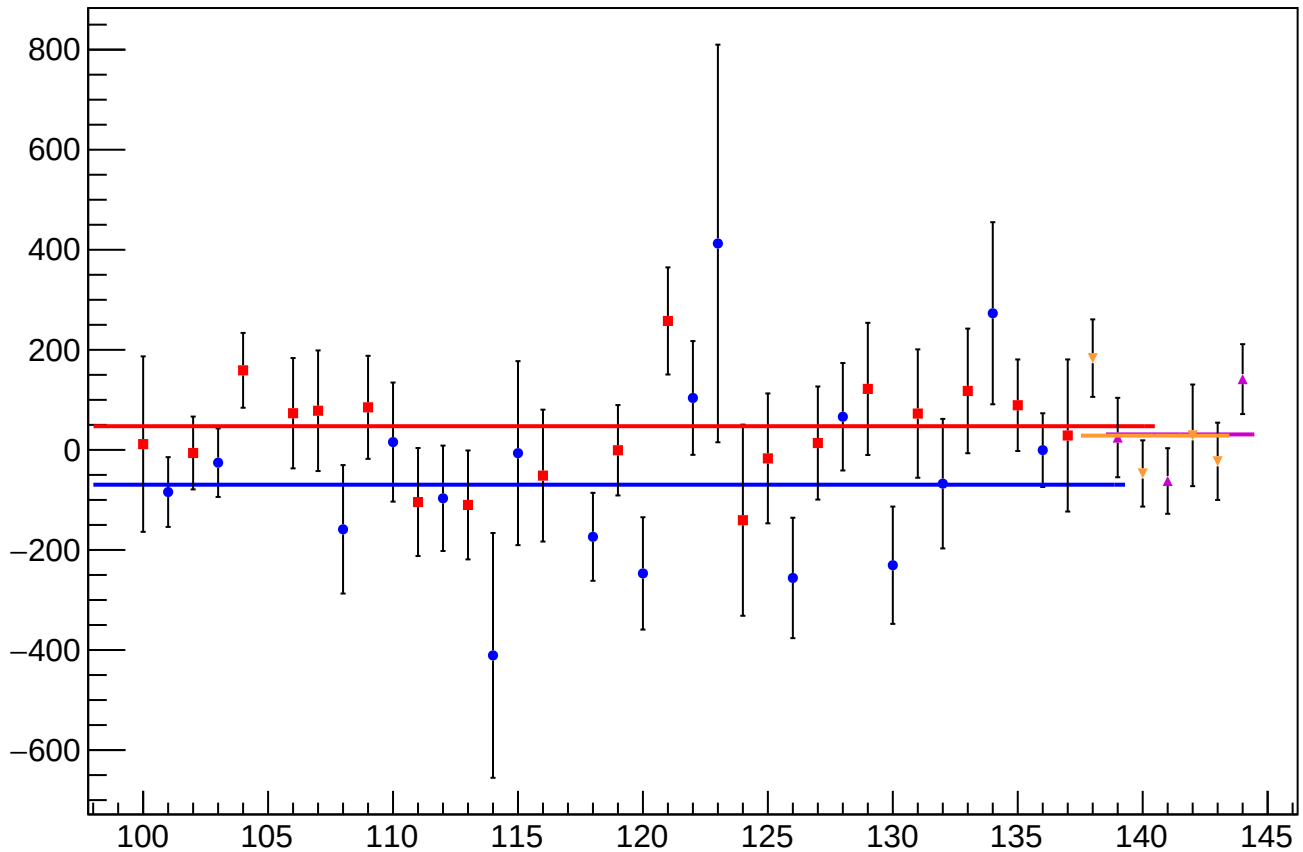
Left In: 988.623 $\pm$ 0.453 χ^2 /NDF:1909.7/2

+ sign 952.559 $\pm$ 0.222 χ^2 /NDF: 250532.8/20

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

- sign 959.663 $\pm$ 0.221 χ^2 /NDF: 227623.6/21

diff_bpm0r03X_mean vs Slug



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

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

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

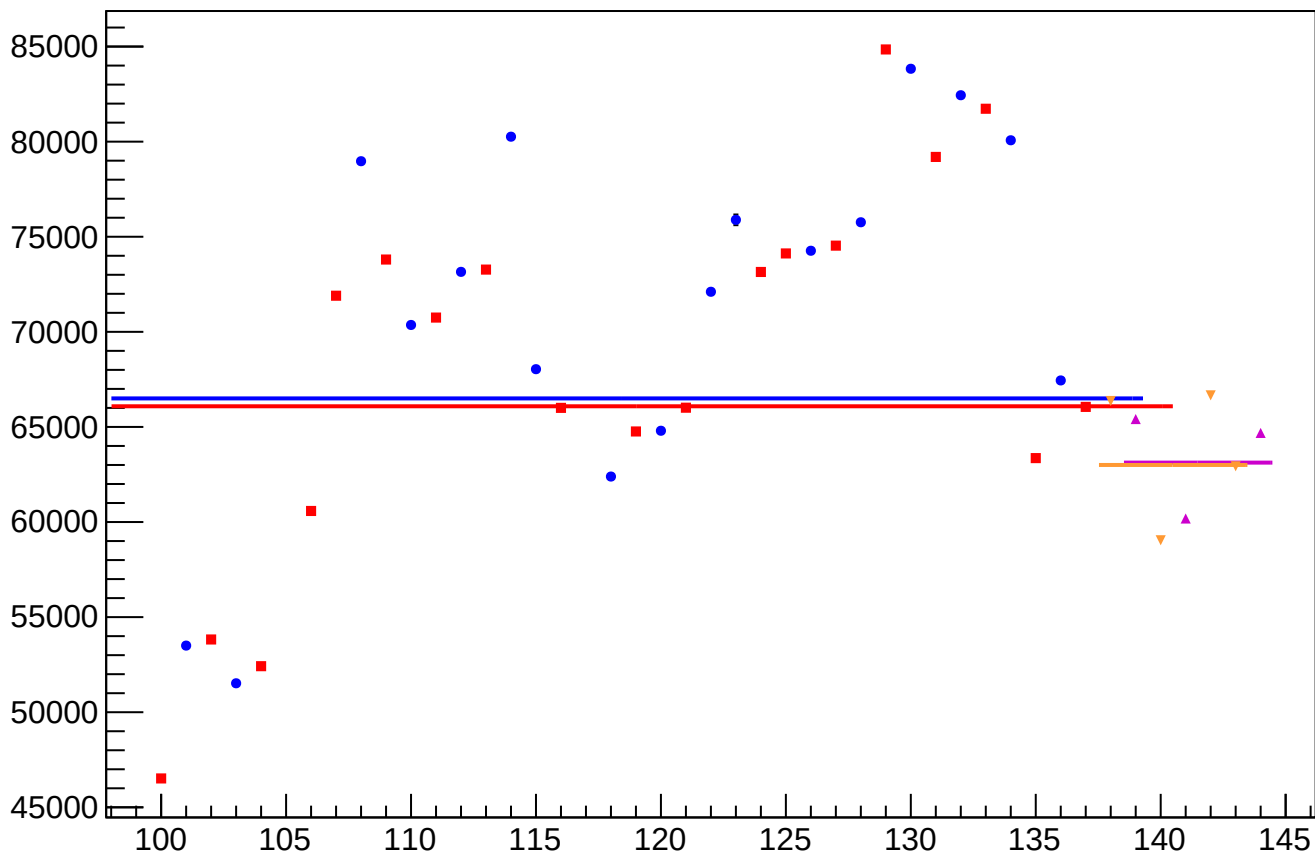
Left In: 30.919 ± 40.953 χ^2/NDF : 4.5/2

+ sign -39.345 ± 21.612 χ^2/NDF : 31.7/20

All: 2.221 ± 15.196 χ^2/NDF : 57.7/42

- sign 42.869 ± 21.372 χ^2/NDF : 18.7/21

diff_bpm0r03X_rms vs Slug



Right In: 66500.038 ± 18.371 $\chi^2/\text{NDF}: 320048.0/16$

Left Out: 63000.568 ± 27.534 $\chi^2/\text{NDF}: 13523.1/3$

Right Out: 66086.098 ± 17.716 $\chi^2/\text{NDF}: 298277.2/18$

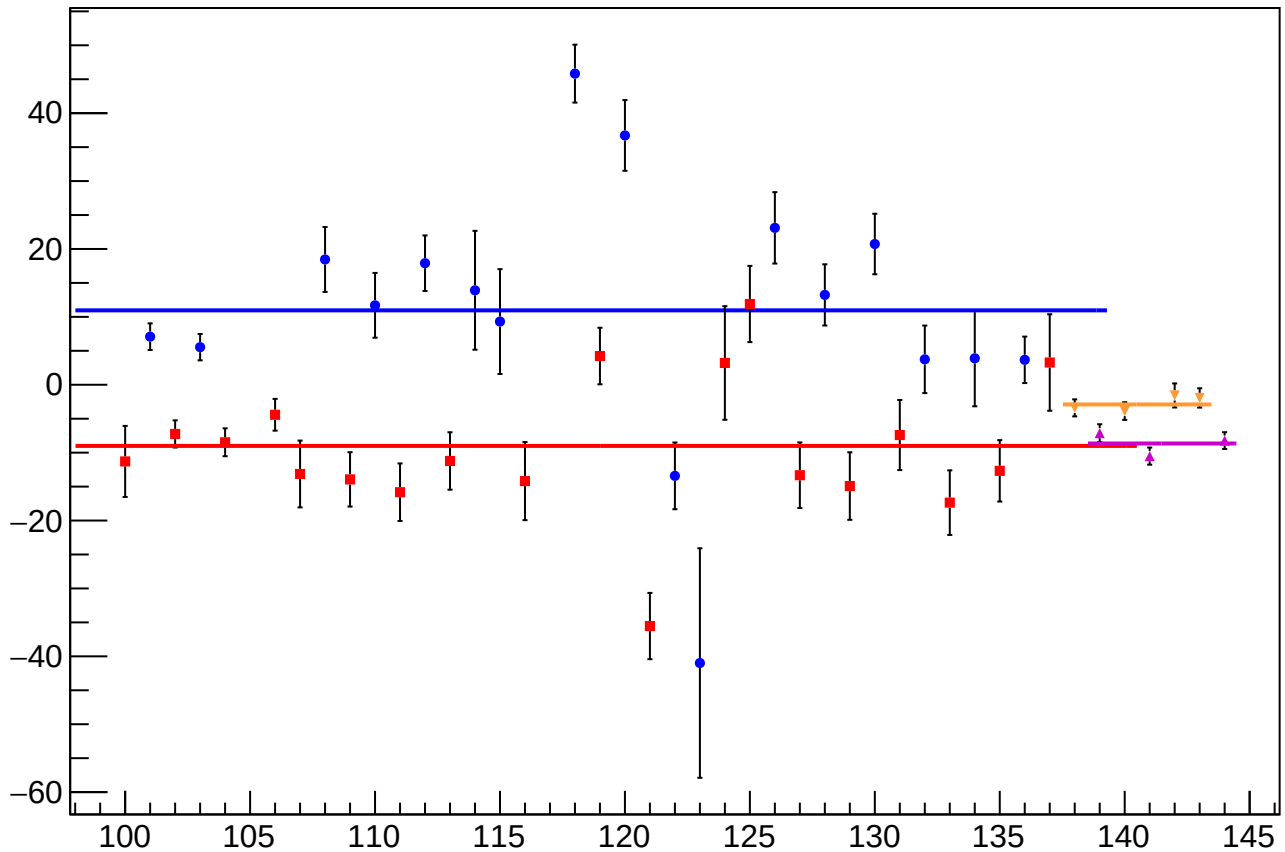
Left In: 63124.299 ± 28.958 $\chi^2/\text{NDF}: 6681.9/2$

+ sign 65422.049 ± 15.282 $\chi^2/\text{NDF}: 344748.4/20$

All: 65349.974 ± 10.745 $\chi^2/\text{NDF}: 657363.4/40$

- sign 65279.492 ± 15.112 $\chi^2/\text{NDF}: 312571.0/21$

diff_bpm0r03Y_mean vs Slug



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

Left Out: -2.900 ± 0.701 χ^2/NDF : 1.7/3

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

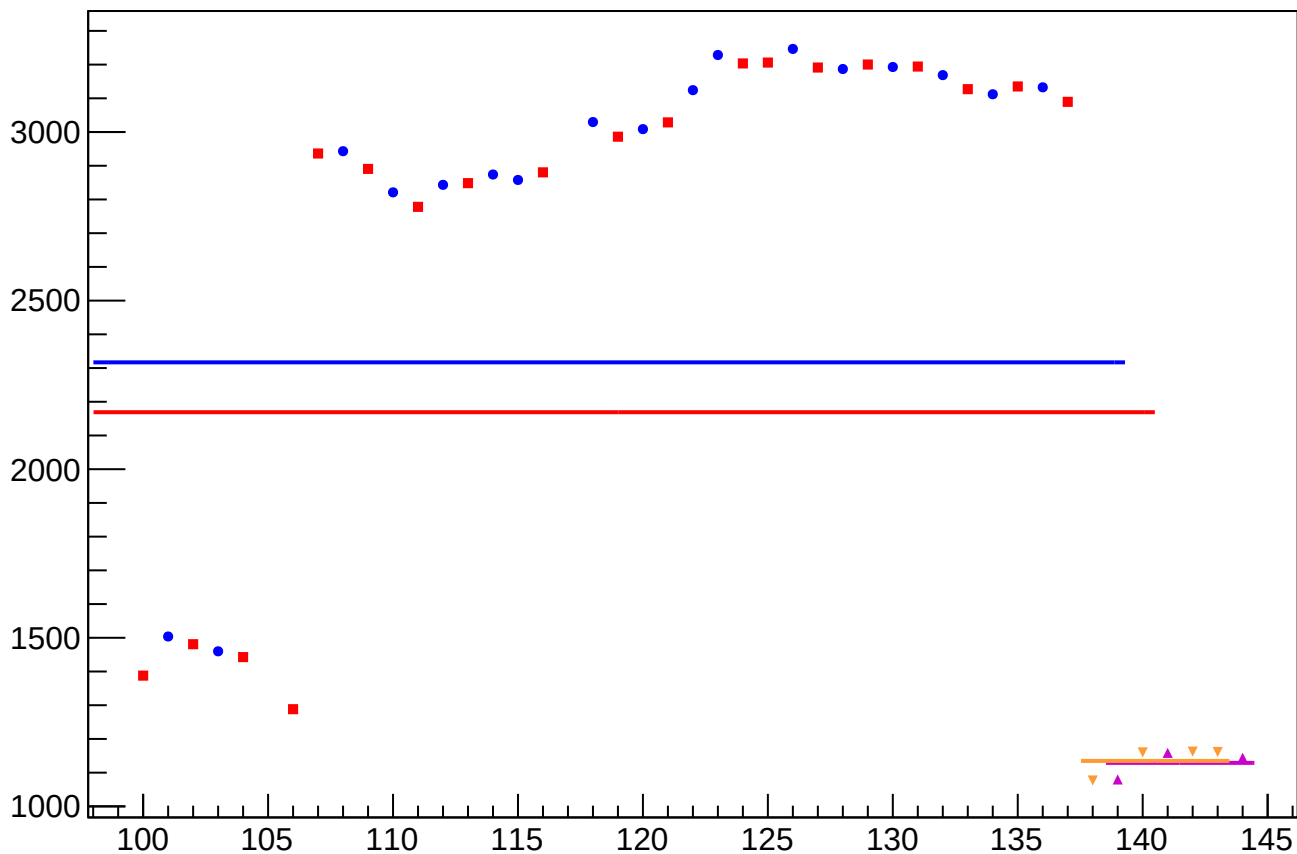
Left In: -8.650 ± 0.732 χ^2/NDF : 3.7/2

+ sign 2.022 ± 0.563 χ^2/NDF : 301.3/20

All: -3.421 ± 0.397 χ^2/NDF : 566.5/42

- sign -8.798 ± 0.559 χ^2/NDF : 79.2/21

diff_bpm0r03Y_rms vs Slug



Right In: 2316.901 $\pm$ 0.668 χ^2 /NDF: 1405097.4/16

Left Out: 1134.806 $\pm$ 0.495 χ^2 /NDF: 6207.4/3

Right Out: 2169.038 $\pm$ 0.613 χ^2 /NDF: 1749119.2/18

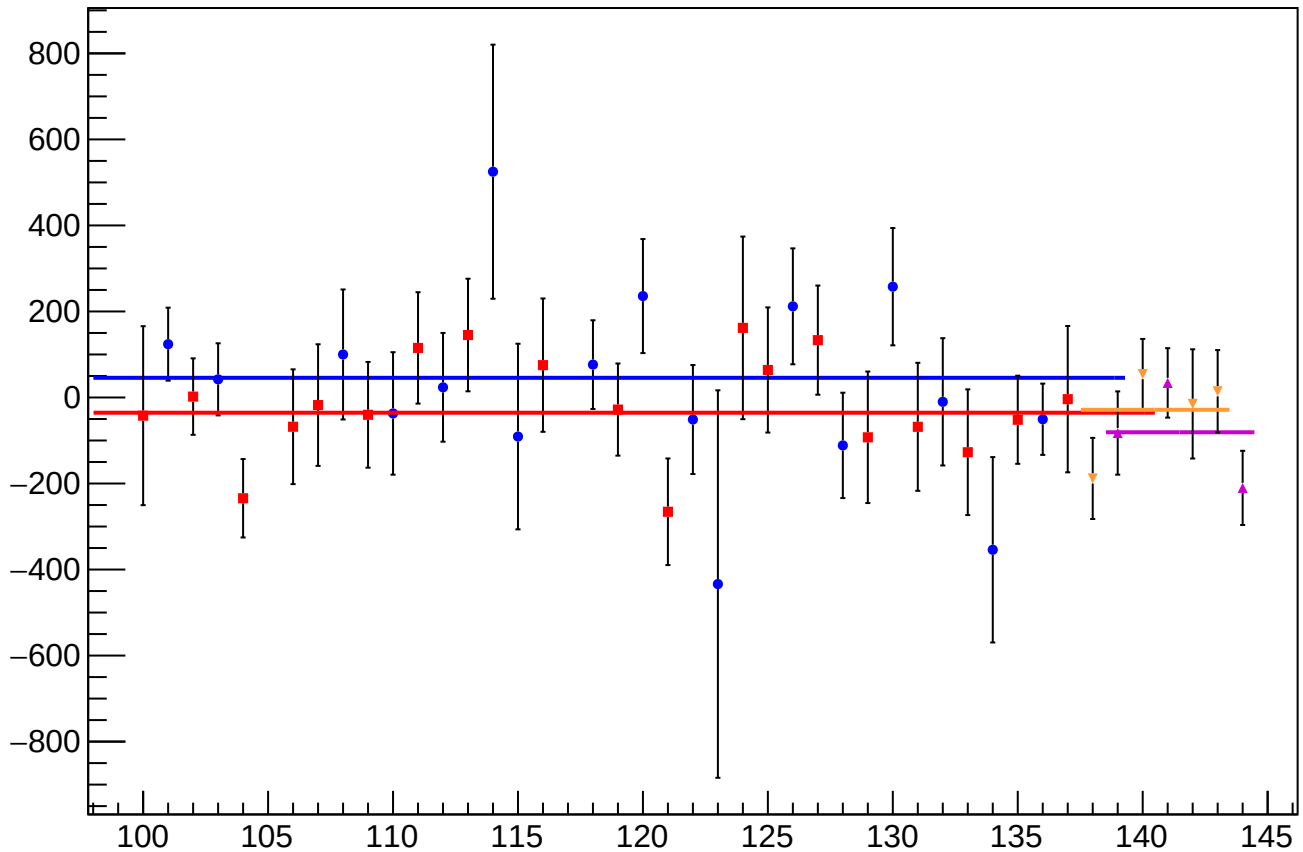
Left In: 1129.024 $\pm$ 0.518 χ^2 /NDF: 4237.6/2

+ sign 1554.633 $\pm$ 0.398 χ^2 /NDF: 3432750.0/20

All: 1558.192 $\pm$ 0.280 χ^2 /NDF: 6866395.7/42

- sign 1561.707 $\pm$ 0.395 χ^2 /NDF: 3433486.7/21

diff_bpm0r05X_mean vs Slug



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

Left Out: -28.588 ± 48.053 χ^2/NDF : 4.1/3

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

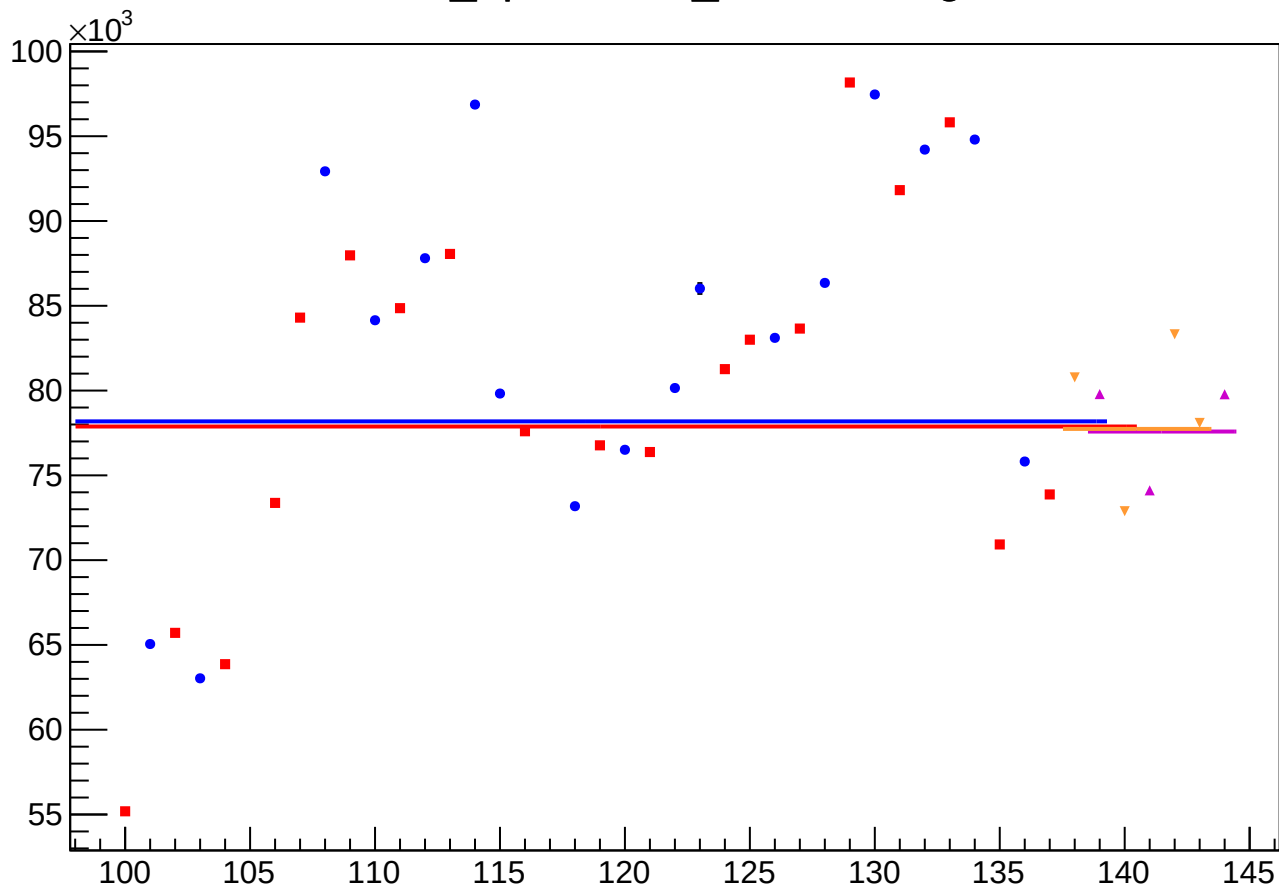
Left In: -80.858 ± 50.342 χ^2/NDF : 4.3/2

+ sign 24.426 ± 25.735 χ^2/NDF : 24.6/20

All: -11.700 ± 18.092 χ^2/NDF : 49.3/42

- sign -47.001 ± 25.439 χ^2/NDF : 20.9/21

diff_bpm0r05X_rms vs Slug



Right In: 78183.588 $\pm$ 21.548 χ^2 /NDF: 250278.3/16

Left Out: 77738.589 $\pm$ 33.978 χ^2 /NDF:13018.4/3

Right Out: 77880.644 $\pm$ 20.846 χ^2 /NDF: 247268.7/18

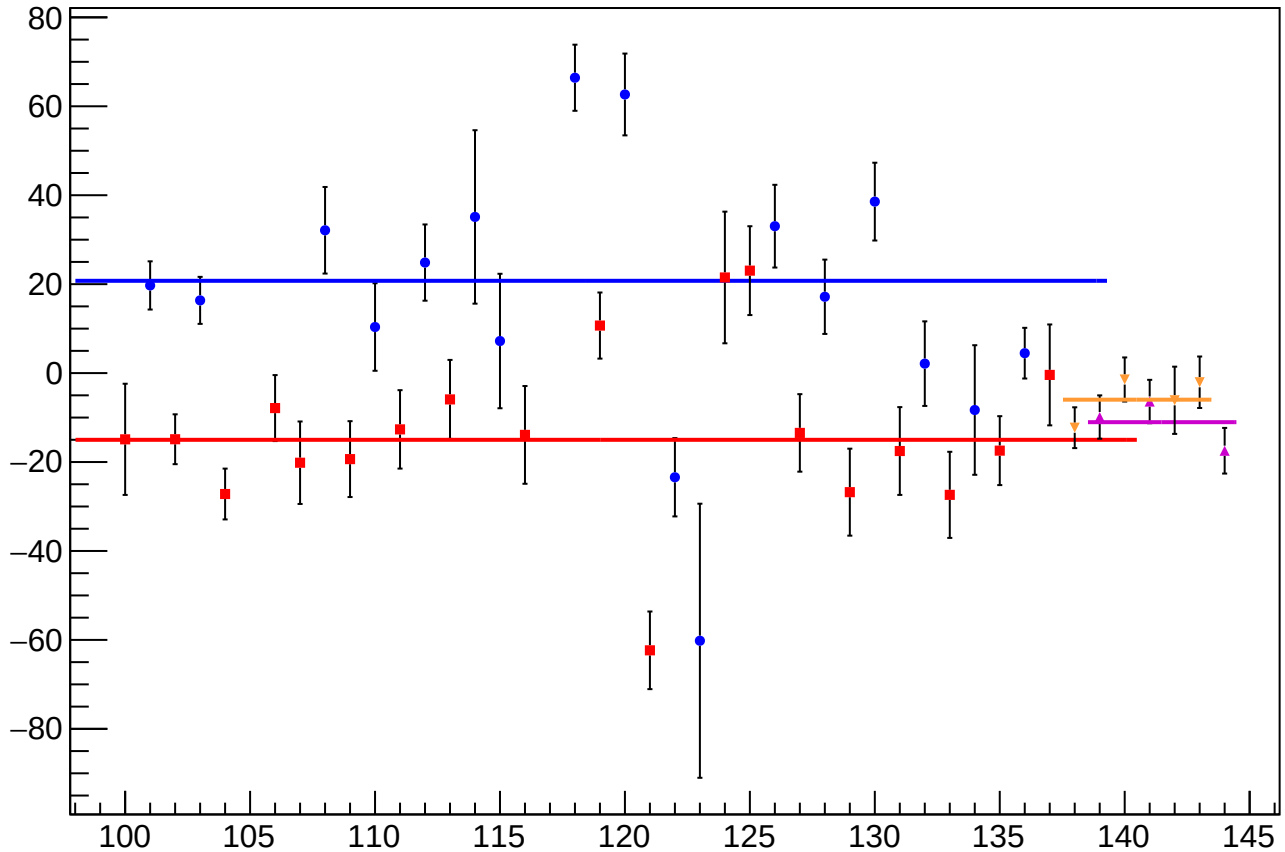
Left In: 77583.872 $\pm$ 35.597 χ^2 /NDF:6031.2/2

+ sign 78055.954 $\pm$ 18.197 χ^2 /NDF: 263419.0/20

All: 77928.957 $\pm$ 12.793 χ^2 /NDF: 516867.0/4

- sign 77804.861 $\pm$ 17.988 χ^2 /NDF: 253351.7/21

diff_bpm0r05Y_mean vs Slug



Right In: 20.754 ± 2.039 χ^2/NDF : 117.4/16

Left Out: -5.979 ± 2.716 χ^2/NDF : 3.2/3

Right Out: -15.004 ± 1.958 χ^2/NDF : 74.0/18

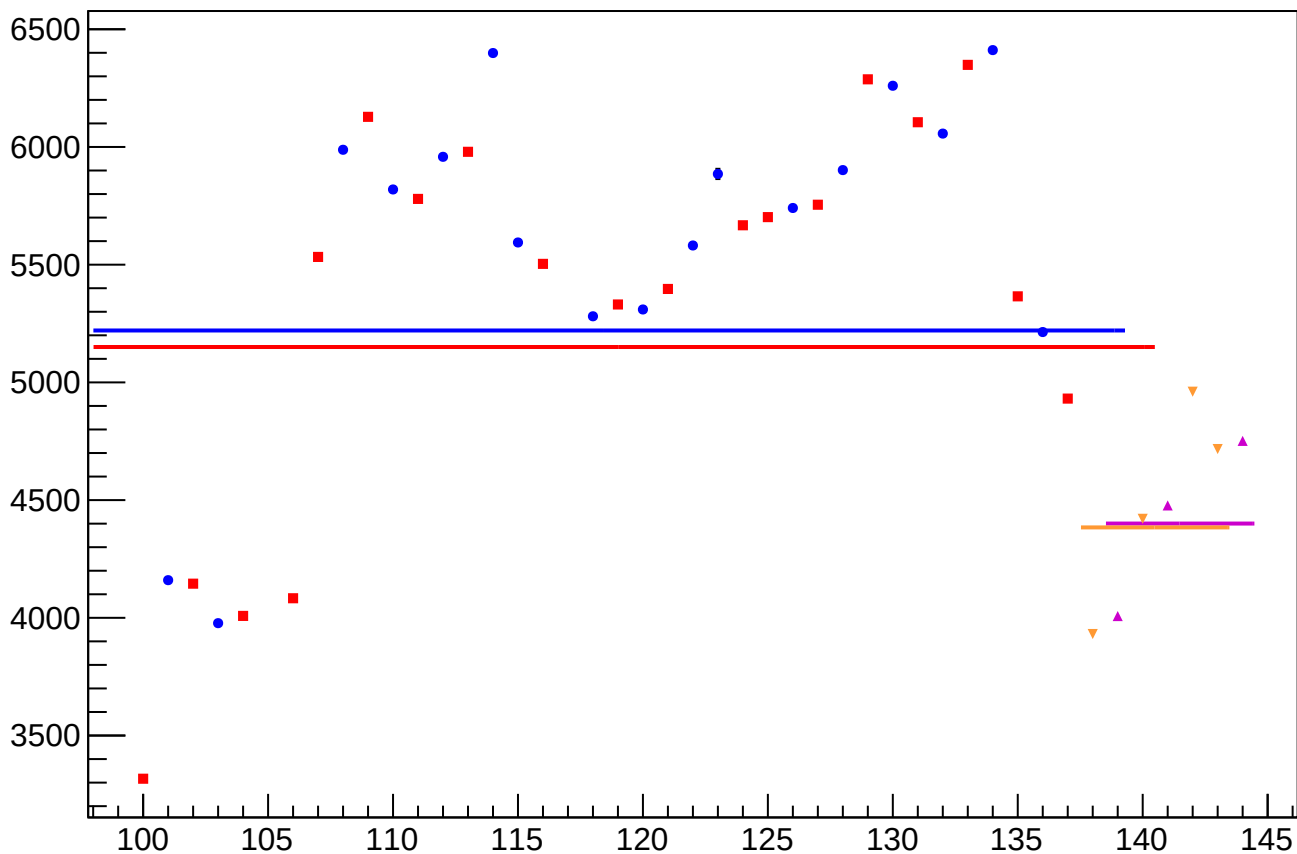
Left In: -11.037 ± 2.862 χ^2/NDF : 2.5/2

+ sign 11.123 ± 1.631 χ^2/NDF : 182.5/20

All: -1.422 ± 1.148 χ^2/NDF : 377.7/42

- sign -13.740 ± 1.616 χ^2/NDF : 77.9/21

diff_bpm0r05Y_rms vs Slug



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

Left Out: 4384.006+/-1.921 χ^2/NDF : 37833.4/3

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

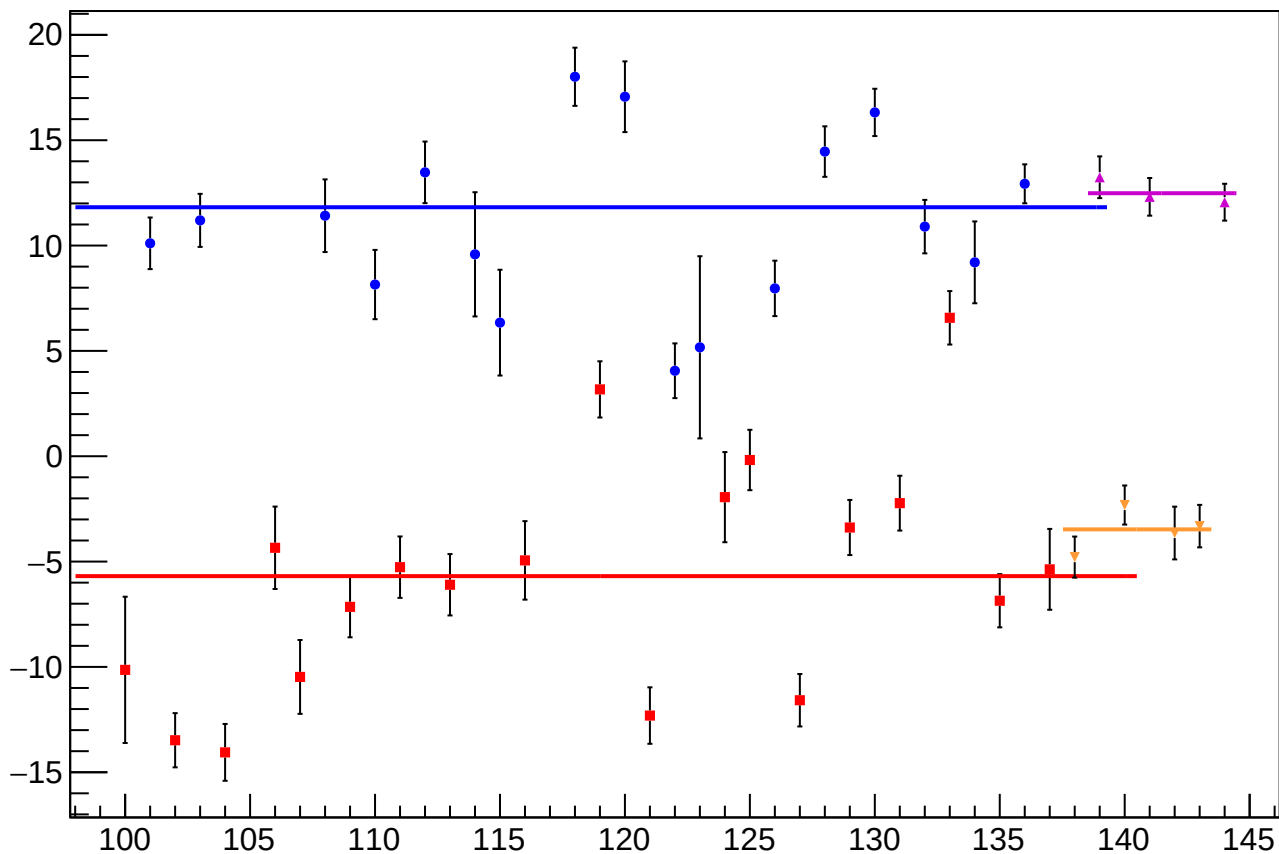
Left In: 4400.382+/-2.023 χ^2/NDF : 22874.9/2

+ sign 4919.131+/-1.153 χ^2/NDF : 470687.3/20

All: 4915.156+/-0.812 χ^2/NDF : 974728.8/42

- sign 4911.253+/-1.142 χ^2/NDF : 504017.9/21

diff_bpm2i01X_mean vs Slug



Right In: 11.819 $\pm$ 0.345 χ^2/NDF : 115.1/16

Left Out: -3.472 $\pm$ 0.510 χ^2/NDF : 3.4/3

Right Out: -5.691 $\pm$ 0.339 χ^2/NDF : 299.2/18

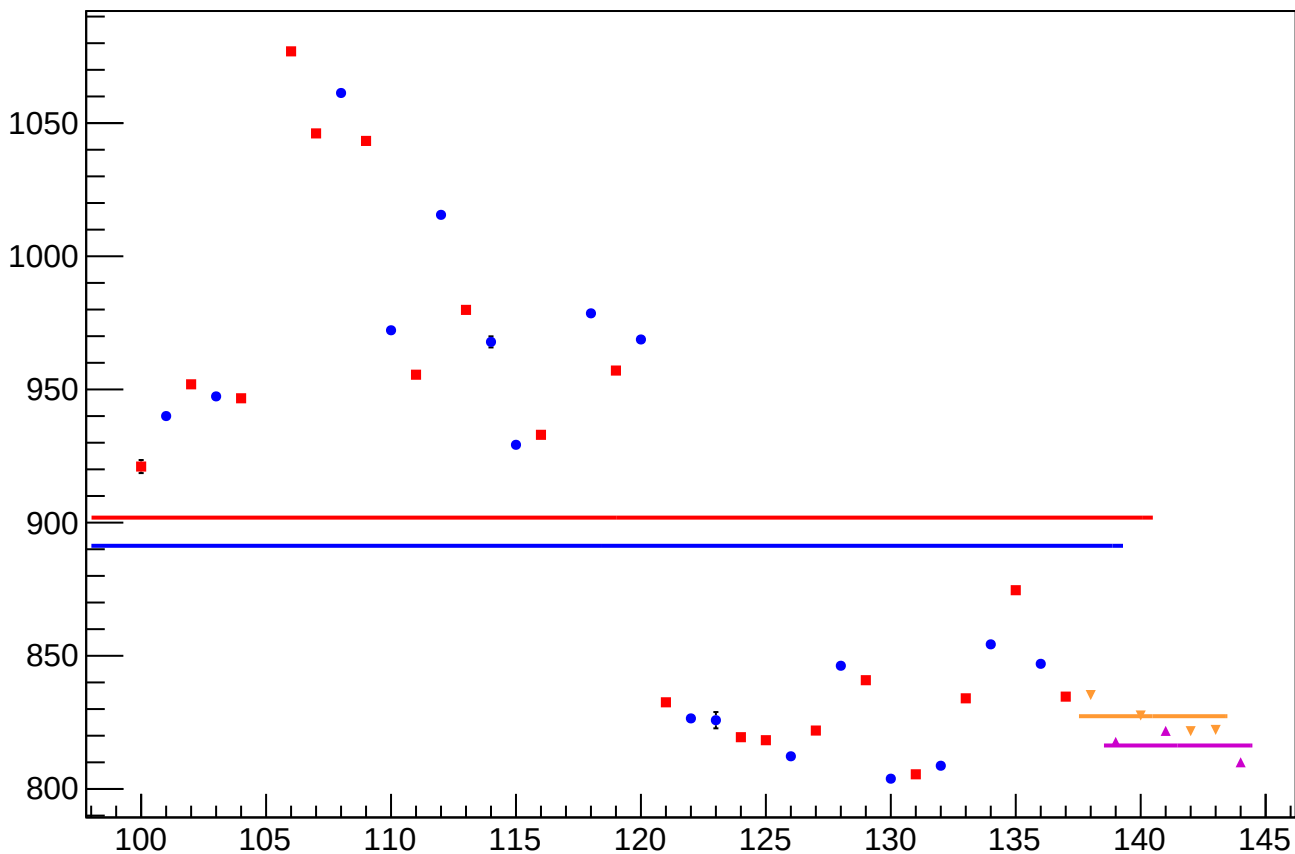
Left In: 12.484 $\pm$ 0.529 χ^2/NDF : 0.9/2

+ sign 7.022 $\pm$ 0.286 χ^2/NDF : 734.2/20

All: 3.308 $\pm$ 0.202 χ^2/NDF : 2208.2/42

- sign -0.392 $\pm$ 0.285 χ^2/NDF : 1137.3/21

diff_bpm2i01X_rms vs Slug



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

Left Out: 827.318 $\pm$ 0.361 χ^2 /NDF:225.5/3

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

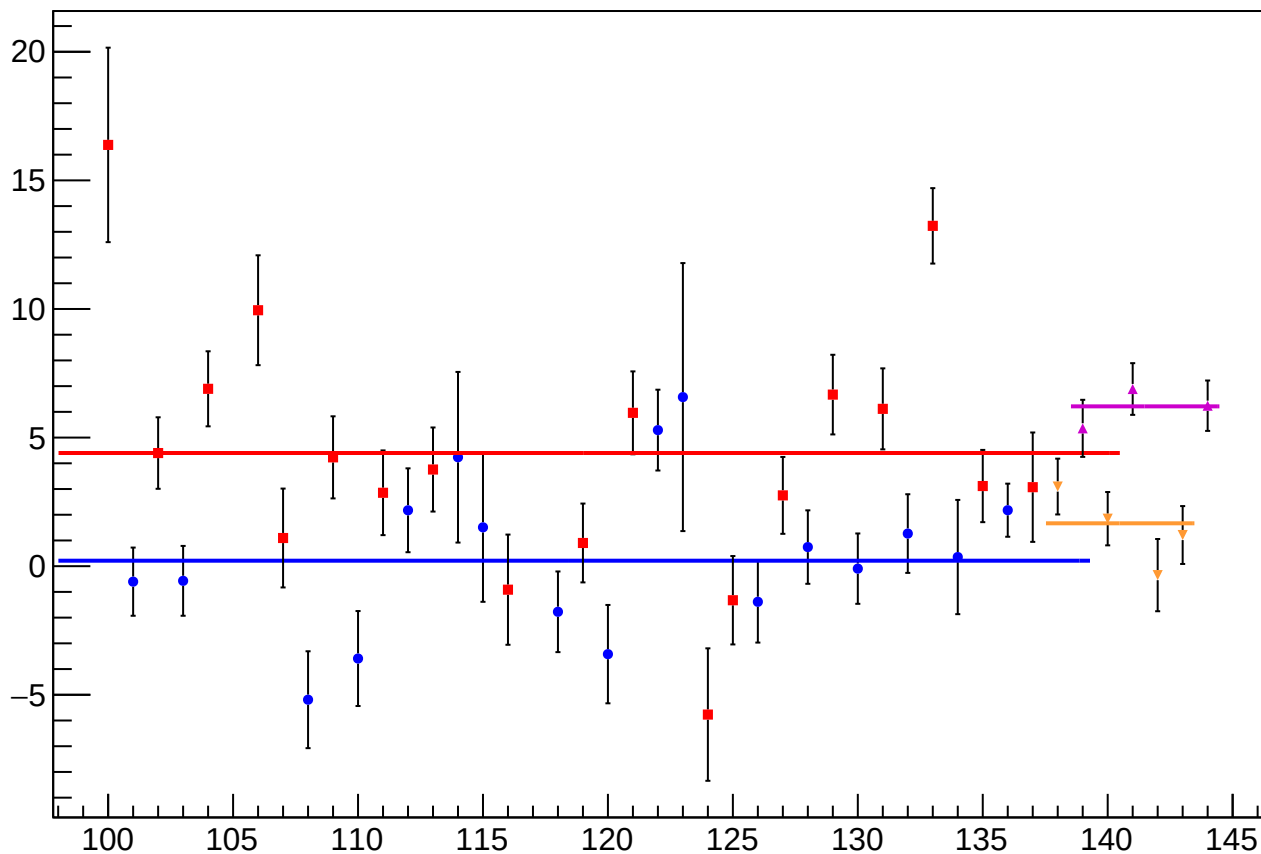
Left In: 816.324 $\pm$ 0.374 χ^2 /NDF:183.0/2

+ sign 871.226 $\pm$ 0.202 χ^2 /NDF: 123113.5/20

All: 874.087 $\pm$ 0.143 χ^2 /NDF: 275044.0/42

- sign 876.938 $\pm$ 0.202 χ^2 /NDF: 151530.9/21

diff_bpm2i01Y_mean vs Slug



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

Left Out: 1.667 ± 0.570 χ^2/NDF : 4.0/3

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

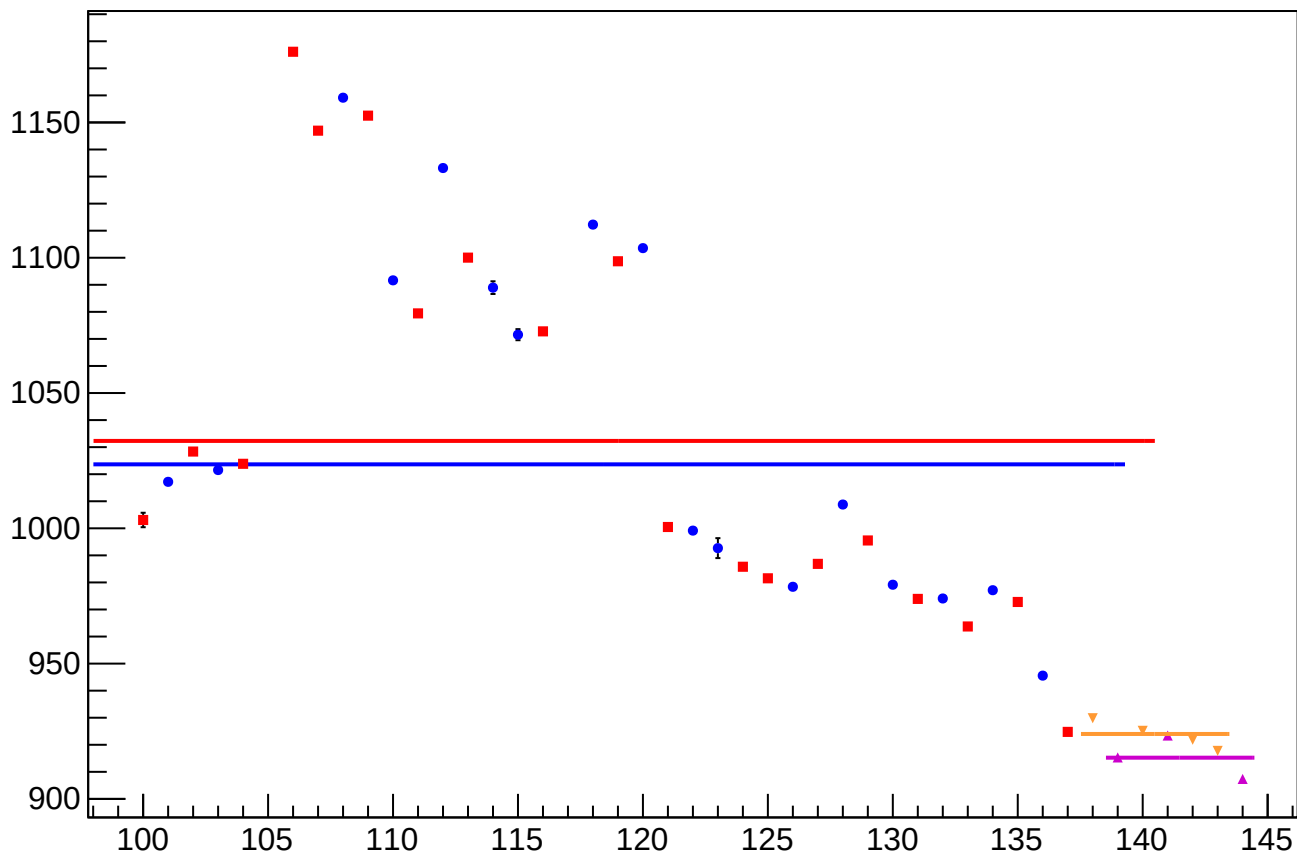
Left In: 6.214 ± 0.593 χ^2/NDF : 1.0/2

+ sign 0.686 ± 0.325 χ^2/NDF : 47.1/20

All: 2.819 ± 0.230 χ^2/NDF : 245.5/42

- sign 4.943 ± 0.324 χ^2/NDF : 112.4/21

diff_bpm2i01Y_rms vs Slug



Right In: 1023.643 $\pm$ 0.280 χ^2 /NDF: 52282.5/16

Left Out: 923.995 $\pm$ 0.403 χ^2 /NDF:126.4/3

Right Out: 1032.299 $\pm$ 0.274 χ^2 /NDF: 59262.4/18

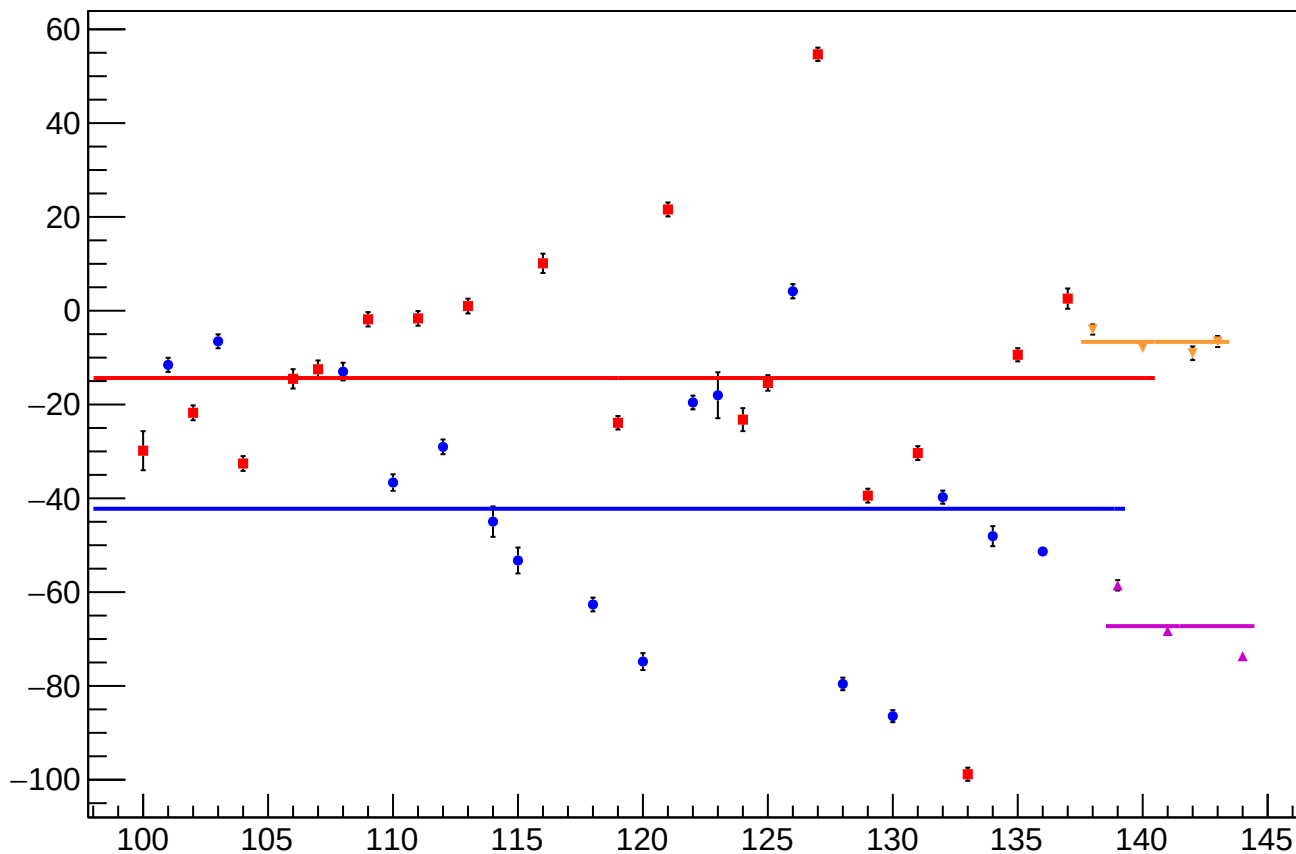
Left In: 915.231 $\pm$ 0.419 χ^2 /NDF:261.2/2

+ sign 991.247 $\pm$ 0.230 χ^2 /NDF: 93647.1/20

All: 994.262 $\pm$ 0.162 χ^2 /NDF: 208165.5/42

- sign 997.263 $\pm$ 0.229 χ^2 /NDF: 114175.1/21

diff_bpm2i02X_mean vs Slug



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

Left Out: -6.643 ± 0.583 $\chi^2/\text{NDF}: 10.2/3$

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

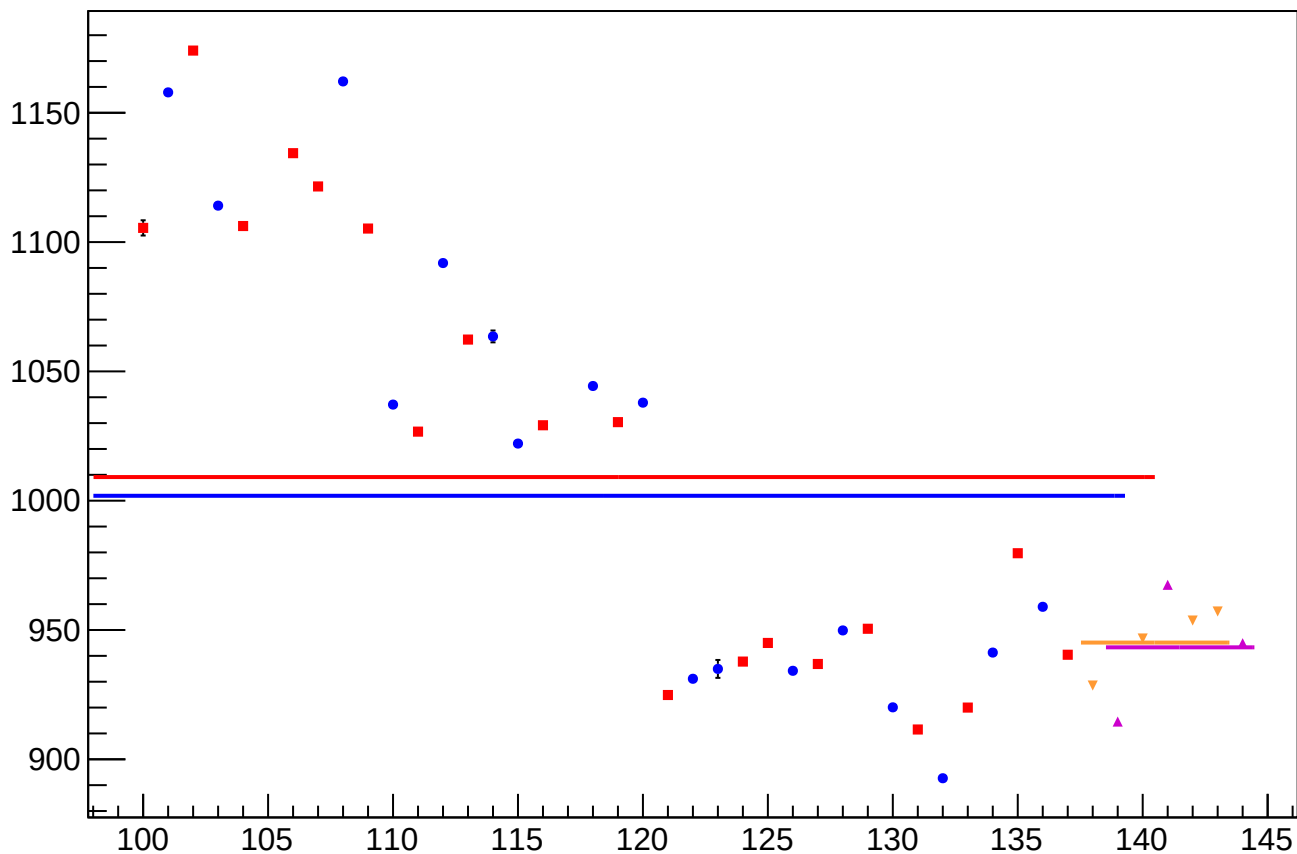
Left In: -67.250 ± 0.611 $\chi^2/\text{NDF}: 102.1/2$

+ sign -31.308 ± 0.323 $\chi^2/\text{NDF}: 7688.5/20$

All: -30.181 ± 0.228 $\chi^2/\text{NDF}: 20892.6/42$

- sign -29.059 ± 0.322 $\chi^2/\text{NDF}: 13179.8/21$

diff_bpm2i02X_rms vs Slug



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

Left Out: 945.138 $\pm$ 0.412 χ^2 /NDF: 753.7/3

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

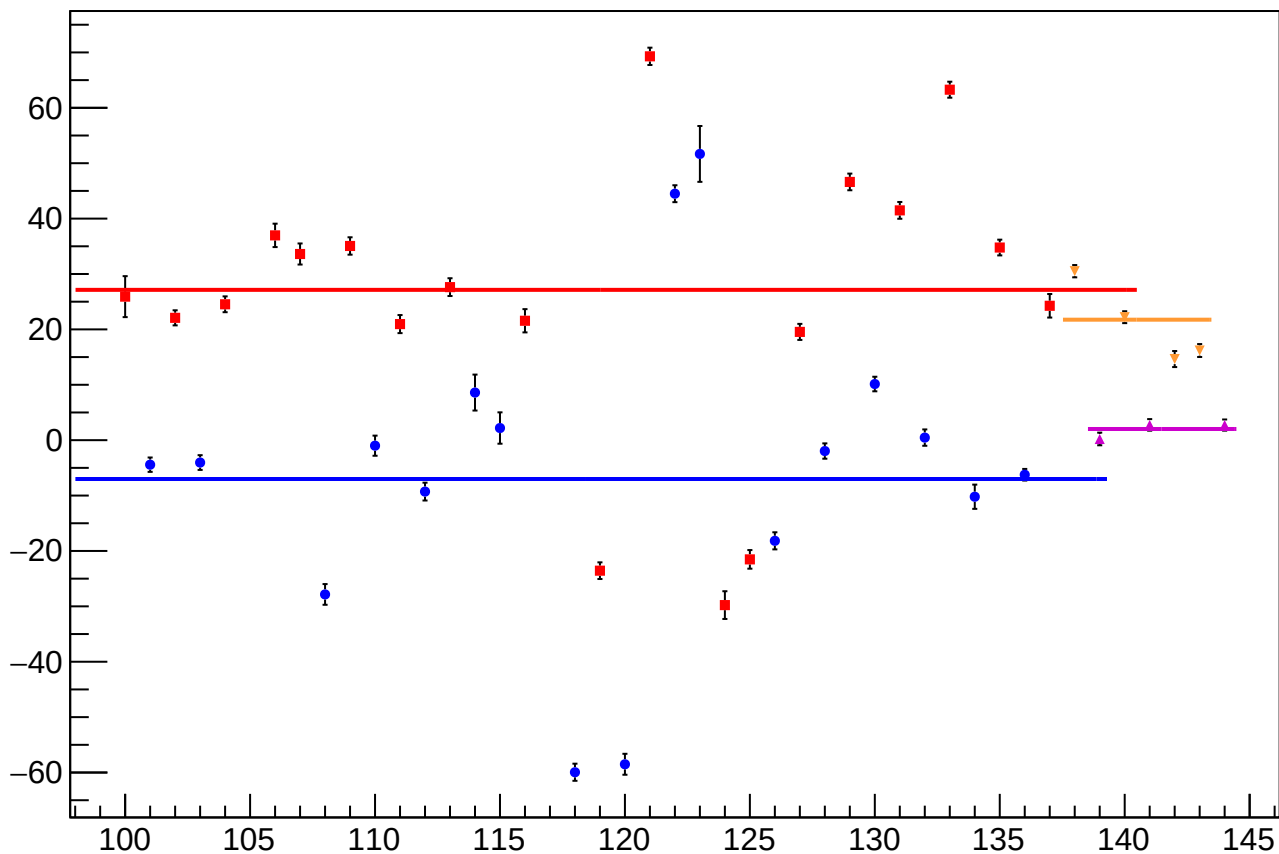
Left In: 943.293 $\pm$ 0.432 χ^2 /NDF: 2401.4/2

+ sign 984.486 $\pm$ 0.228 χ^2 /NDF: 109094.0/20

All: 987.667 $\pm$ 0.161 χ^2 /NDF: 223689.2/42

- sign 990.833 $\pm$ 0.228 χ^2 /NDF: 114208.1/21

diff_bpm2i02Y_mean vs Slug



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

Left Out: 21.752 ± 0.588 χ^2/NDF : 109.2/3

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

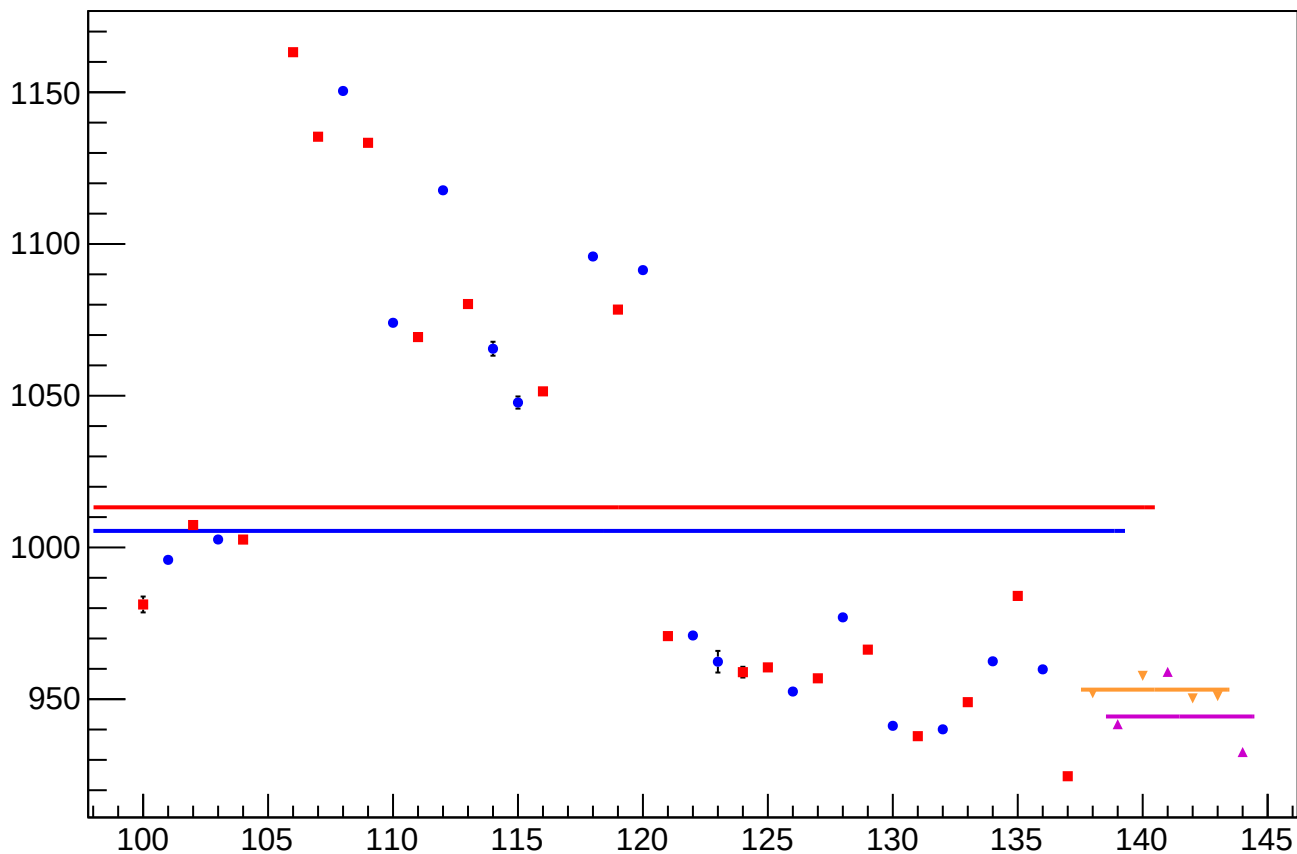
Left In: 2.018 ± 0.612 χ^2/NDF : 3.5/2

+ sign 1.734 ± 0.324 χ^2/NDF : 5409.0/20

All: 10.970 ± 0.229 χ^2/NDF : 12502.6/42

- sign 20.134 ± 0.323 χ^2/NDF : 5477.0/21

diff_bpm2i02Y_rms vs Slug



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

Left Out: 953.149 $\pm$ 0.416 χ^2 /NDF: 52.9/3

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

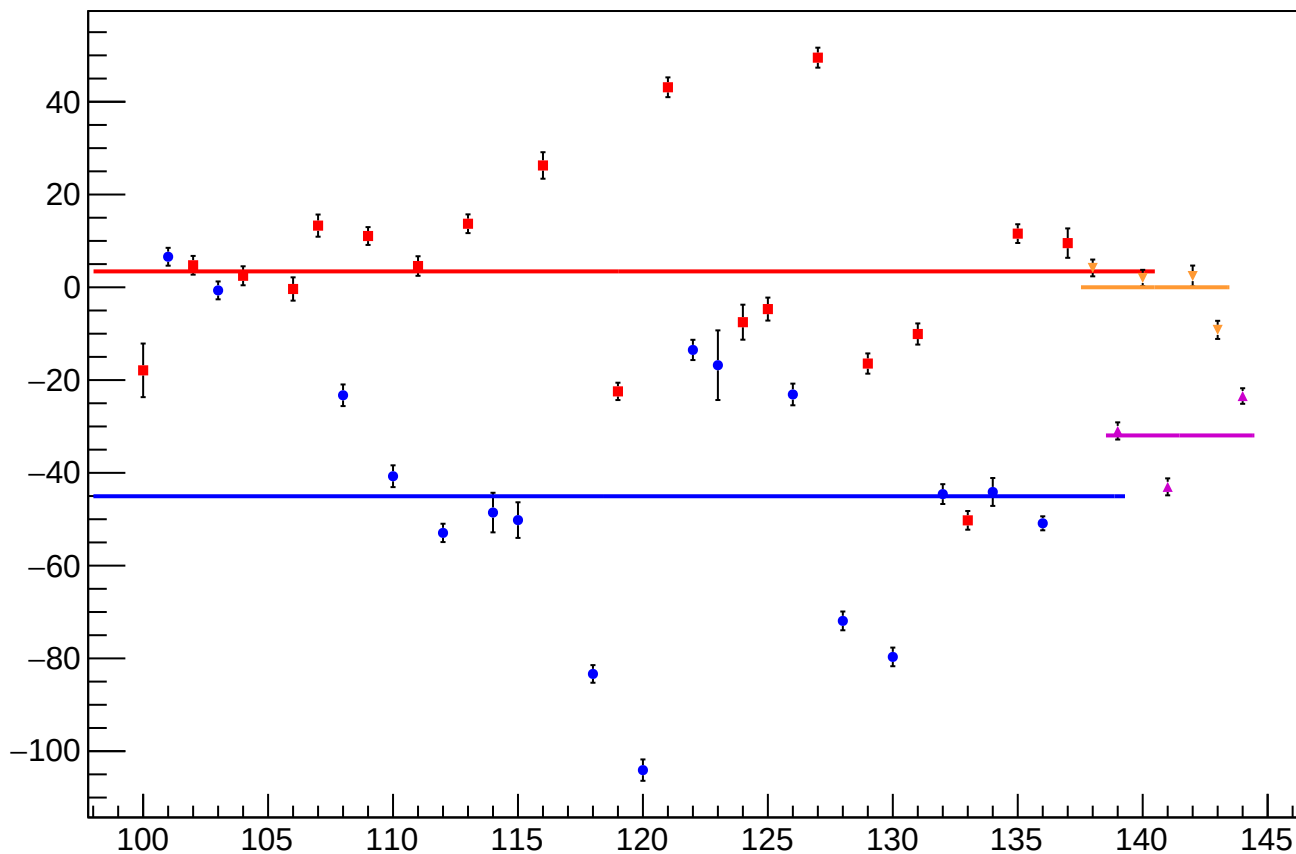
Left In: 944.298 $\pm$ 0.432 χ^2 /NDF: 677.8/2

+ sign 989.551 $\pm$ 0.229 χ^2 /NDF: 65559.2/20

All: 991.789 $\pm$ 0.162 χ^2 /NDF: 147936.9/42

- sign 994.010 $\pm$ 0.228 χ^2 /NDF: 82187.7/21

diff_bpm0i02X_mean vs Slug



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

Left Out: 0.007 ± 0.958 χ^2/NDF : 29.8/3

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

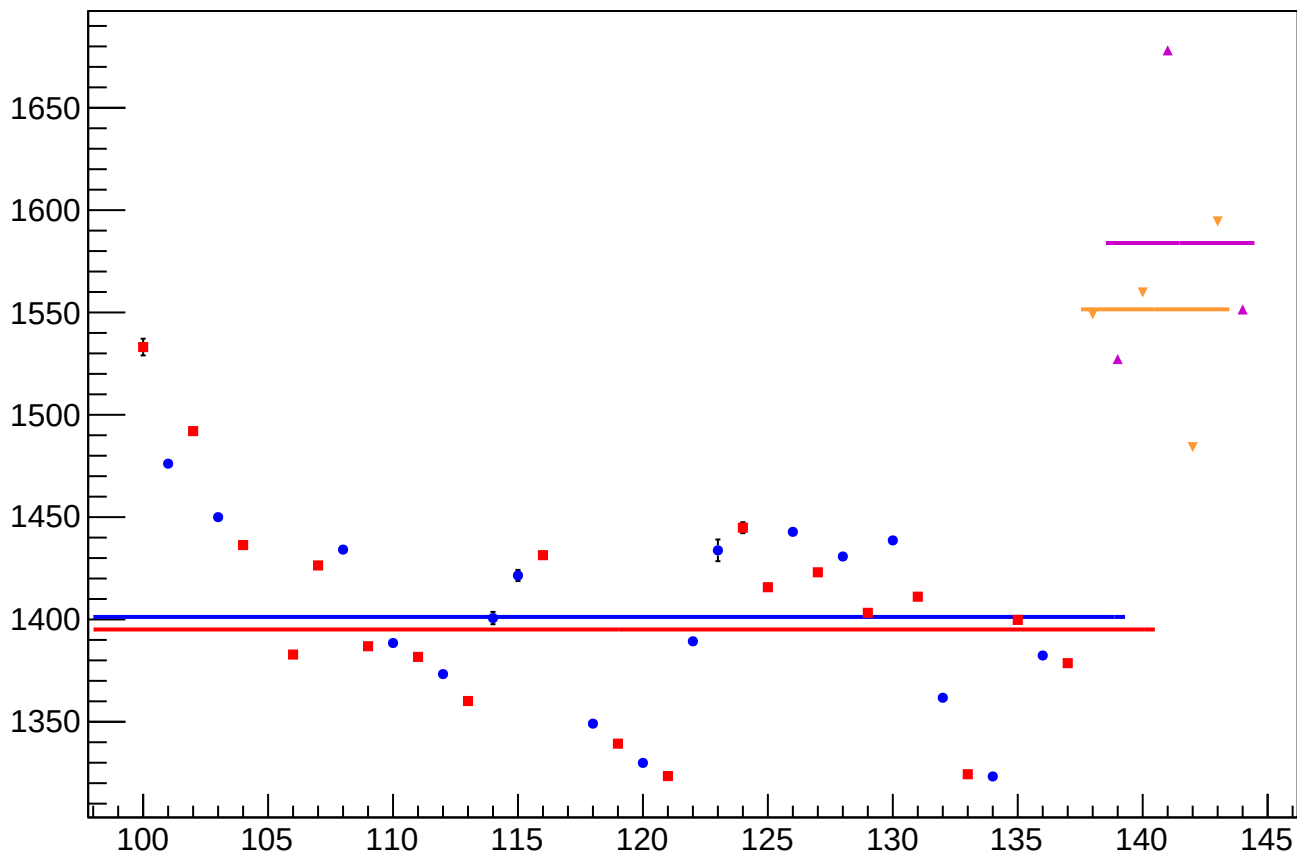
Left In: -31.935 ± 1.028 χ^2/NDF : 62.6/2

+ sign -34.160 ± 0.471 χ^2/NDF : 4930.7/20

All: -18.838 ± 0.331 χ^2/NDF : 10031.6/42

- sign -3.831 ± 0.466 χ^2/NDF : 3004.4/21

diff_bpm0i02X_rms vs Slug



Right In: 1401.235 $\pm$ 0.382 χ^2 /NDF: 12839.4/16

Left Out: 1551.533 $\pm$ 0.677 χ^2 /NDF: 2787.5/3

Right Out: 1395.100 $\pm$ 0.370 χ^2 /NDF: 15523.2/18

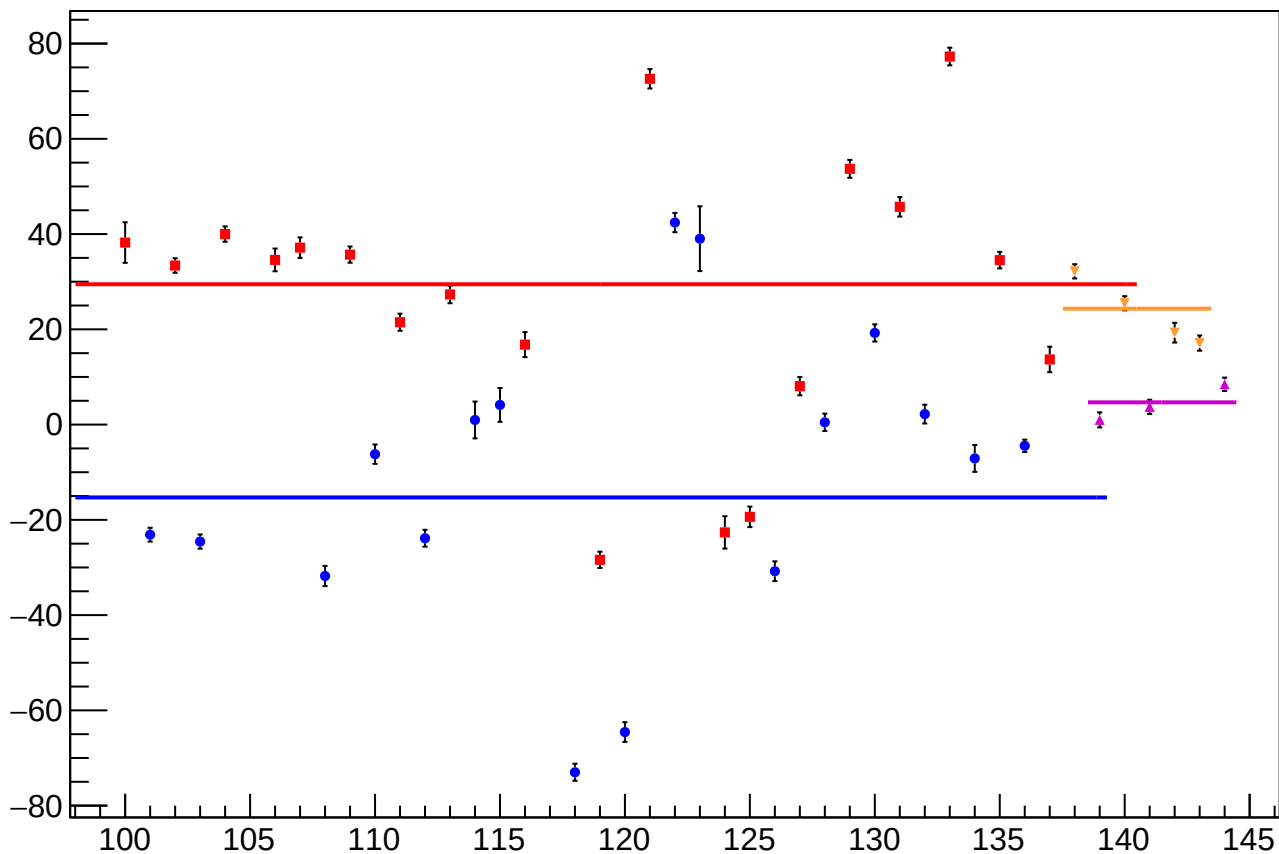
Left In: 1583.948 $\pm$ 0.727 χ^2 /NDF: 7911.4/2

+ sign 1437.543 $\pm$ 0.333 χ^2 /NDF: 52970.2/20

All: 1435.689 $\pm$ 0.234 χ^2 /NDF: 130072.5/42

- sign 1433.873 $\pm$ 0.329 χ^2 /NDF: 77040.9/21

diff_bpm0i02Y_mean vs Slug



Right In: -15.296 ± 0.473 χ^2/NDF : 3345.6/16

Left Out: 24.338 ± 0.810 χ^2/NDF : 54.3/3

Right Out: 29.461 ± 0.457 χ^2/NDF : 3528.0/18

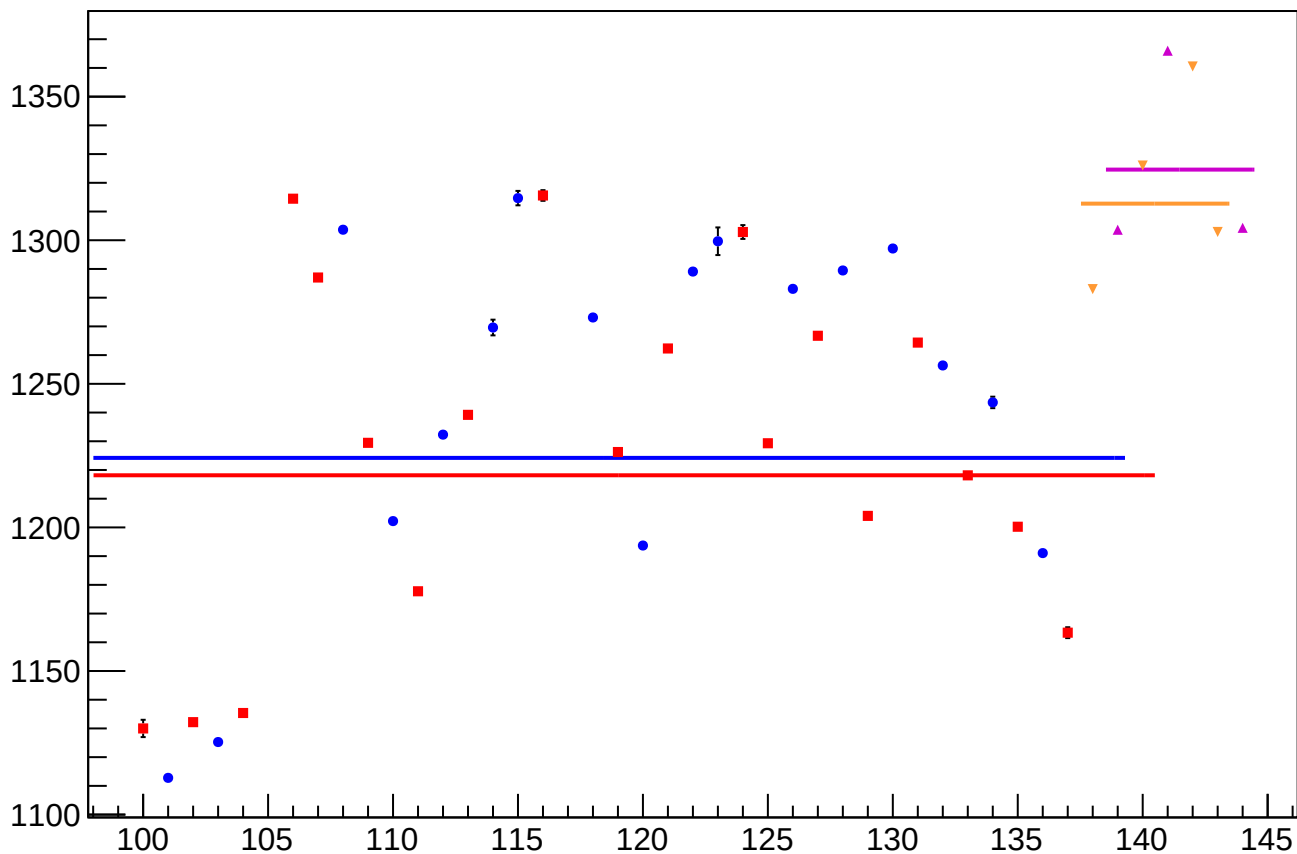
Left In: 4.675 ± 0.860 χ^2/NDF : 13.0/2

+ sign -5.227 ± 0.408 χ^2/NDF : 5184.4/20

All: 9.567 ± 0.287 χ^2/NDF : 11965.5/42

- sign 24.006 ± 0.403 χ^2/NDF : 4188.7/21

diff_bpm0i02Y_rms vs Slug



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

Left Out: 1312.747+/-0.573 χ^2/NDF : 2086.3/3

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

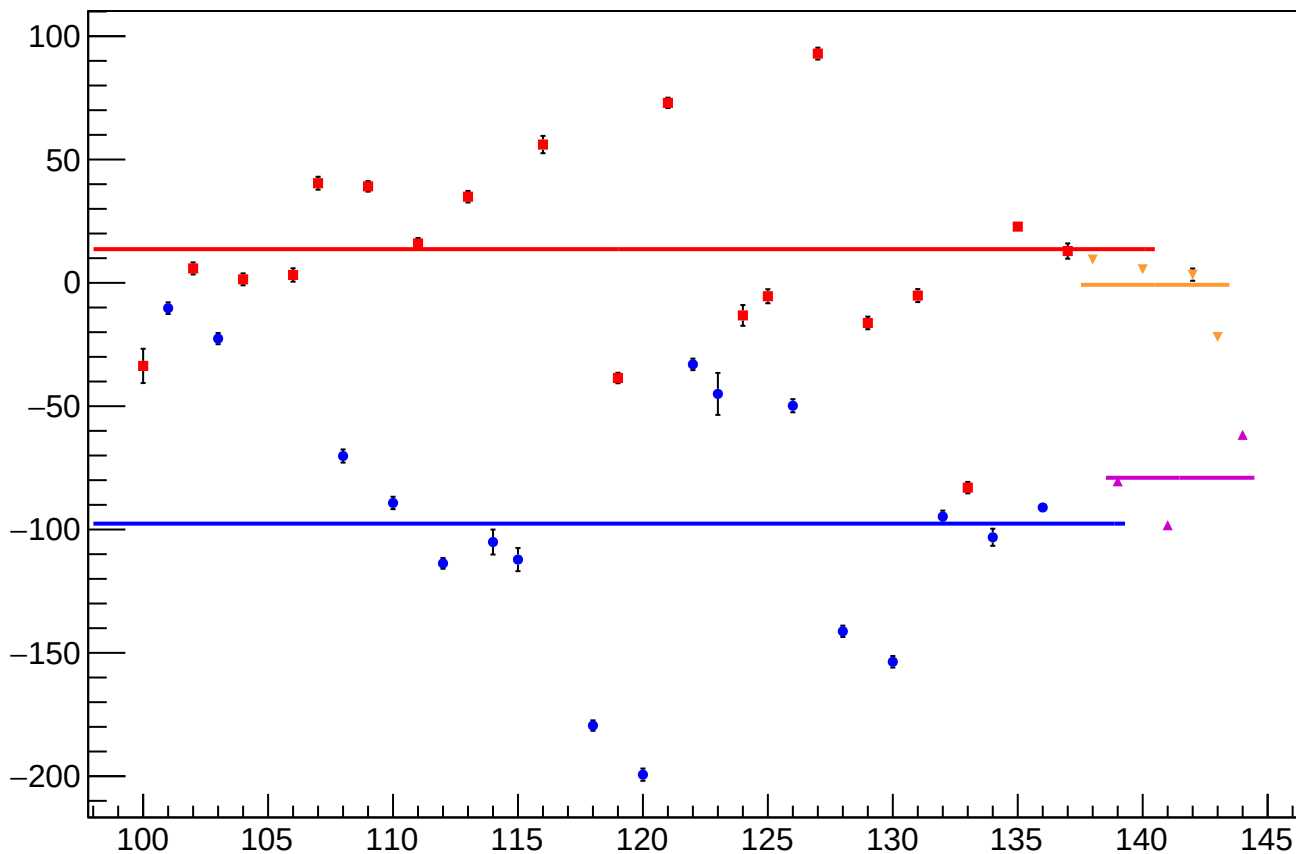
Left In: 1324.597+/-0.608 χ^2/NDF : 2302.1/2

+ sign 1246.704+/-0.289 χ^2/NDF : 58669.3/20

All: 1244.111+/-0.203 χ^2/NDF : 112583.3/42

- sign 1241.581+/-0.285 χ^2/NDF : 53754.7/21

diff_bpm0i02aX_mean vs Slug



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

Left Out: -0.802 ± 0.998 χ^2/NDF : 159.8/3

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

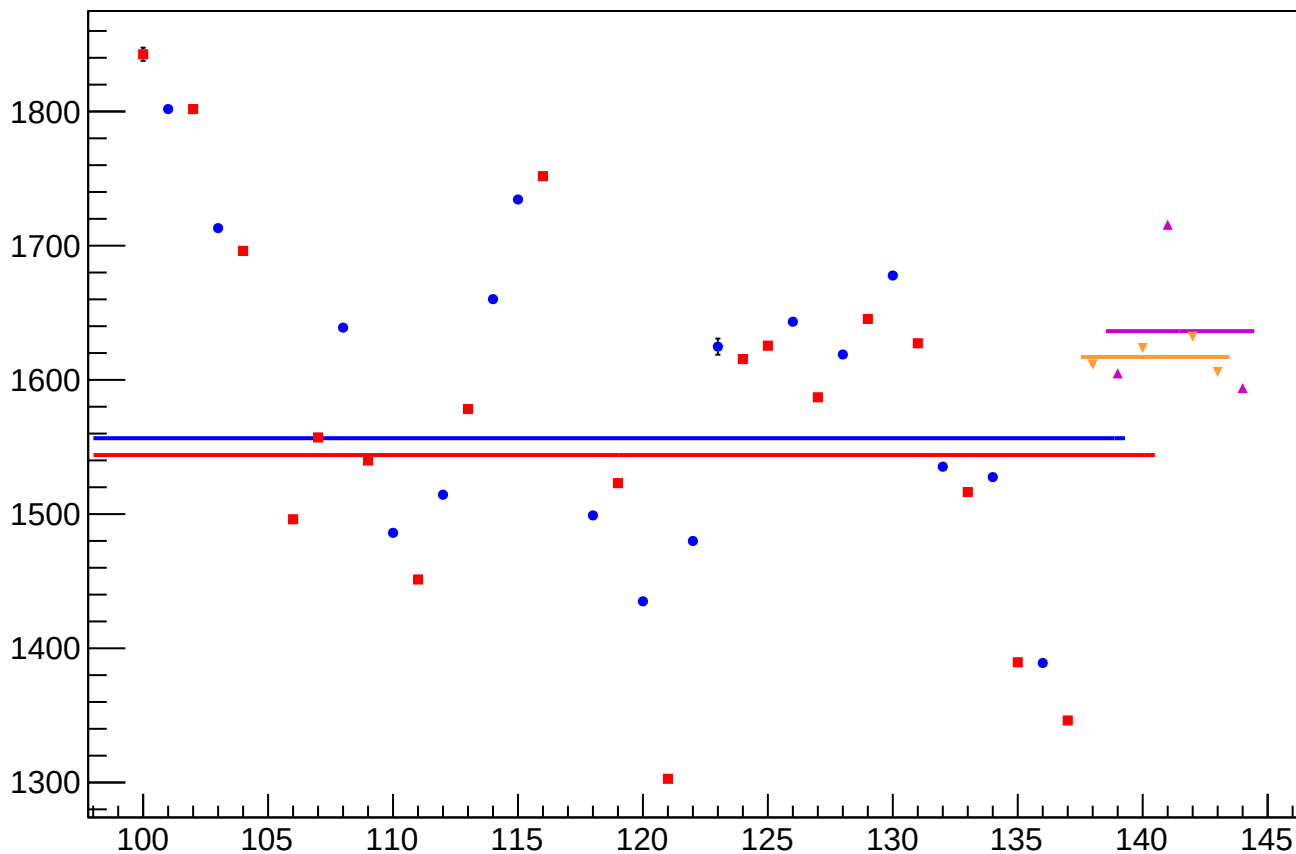
Left In: -79.016 ± 1.062 χ^2/NDF : 208.0/2

+ sign -71.763 ± 0.516 χ^2/NDF : 14977.3/20

All: -39.302 ± 0.362 χ^2/NDF : 33993.3/42

- sign -7.636 ± 0.509 χ^2/NDF : 11186.9/21

diff_bpm0i02aX_rms vs Slug



Right In: 1556.539 $\pm$ 0.426 χ^2 /NDF: 81438.3/16

Left Out: 1617.064 $\pm$ 0.706 χ^2 /NDF: 182.6/3

Right Out: 1543.993 $\pm$ 0.410 χ^2 /NDF: 100599.9/18

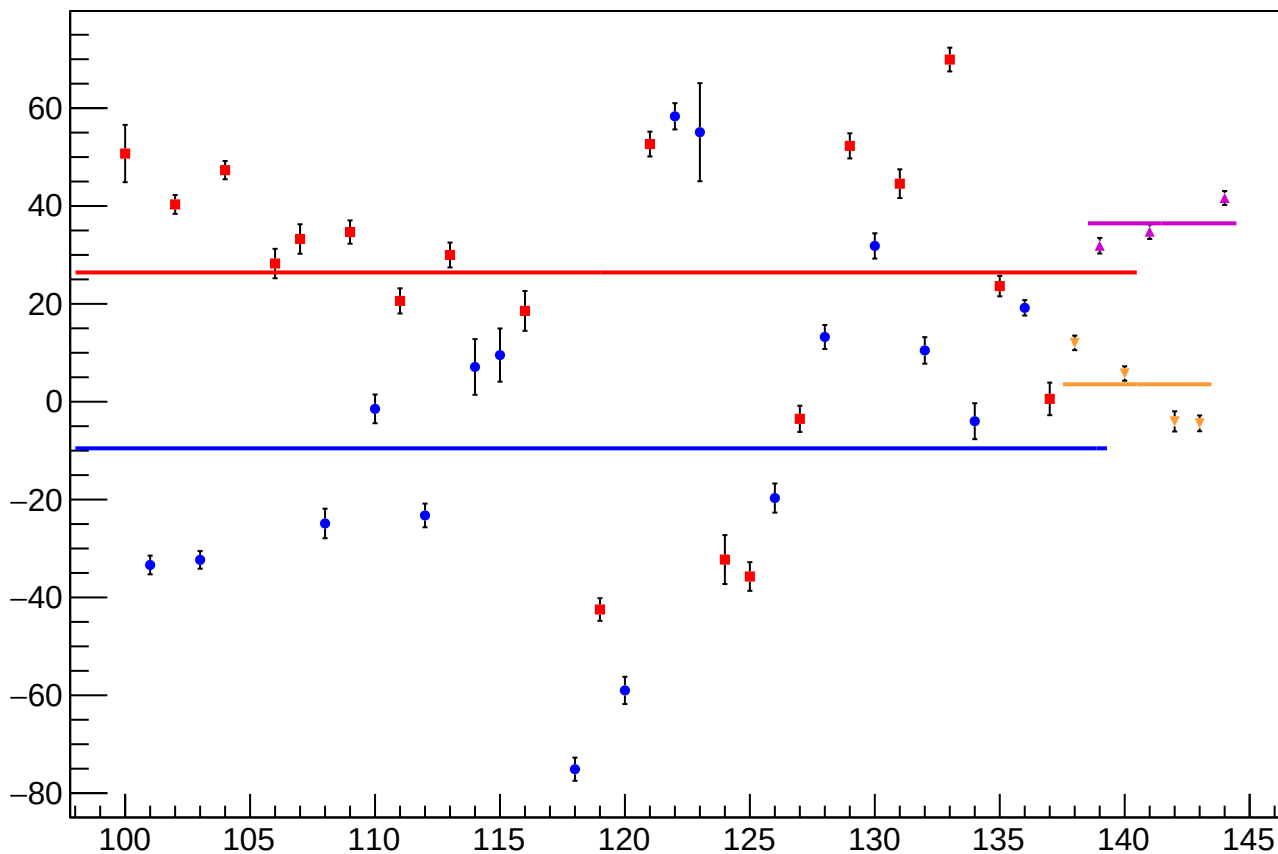
Left In: 1636.326 $\pm$ 0.751 χ^2 /NDF: 5318.3/2

+ sign 1572.699 $\pm$ 0.365 χ^2 /NDF: 87013.6/20

All: 1568.910 $\pm$ 0.256 χ^2 /NDF: 204782.0/42

- sign 1565.215 $\pm$ 0.360 χ^2 /NDF: 117555.2/21

diff_bpm0i02aY_mean vs Slug



Right In: -9.523 ± 0.627 χ^2/NDF : 2908.8/16

Left Out: 3.557 ± 0.809 χ^2/NDF : 72.5/3

Right Out: 26.417 ± 0.604 χ^2/NDF : 2451.3/18

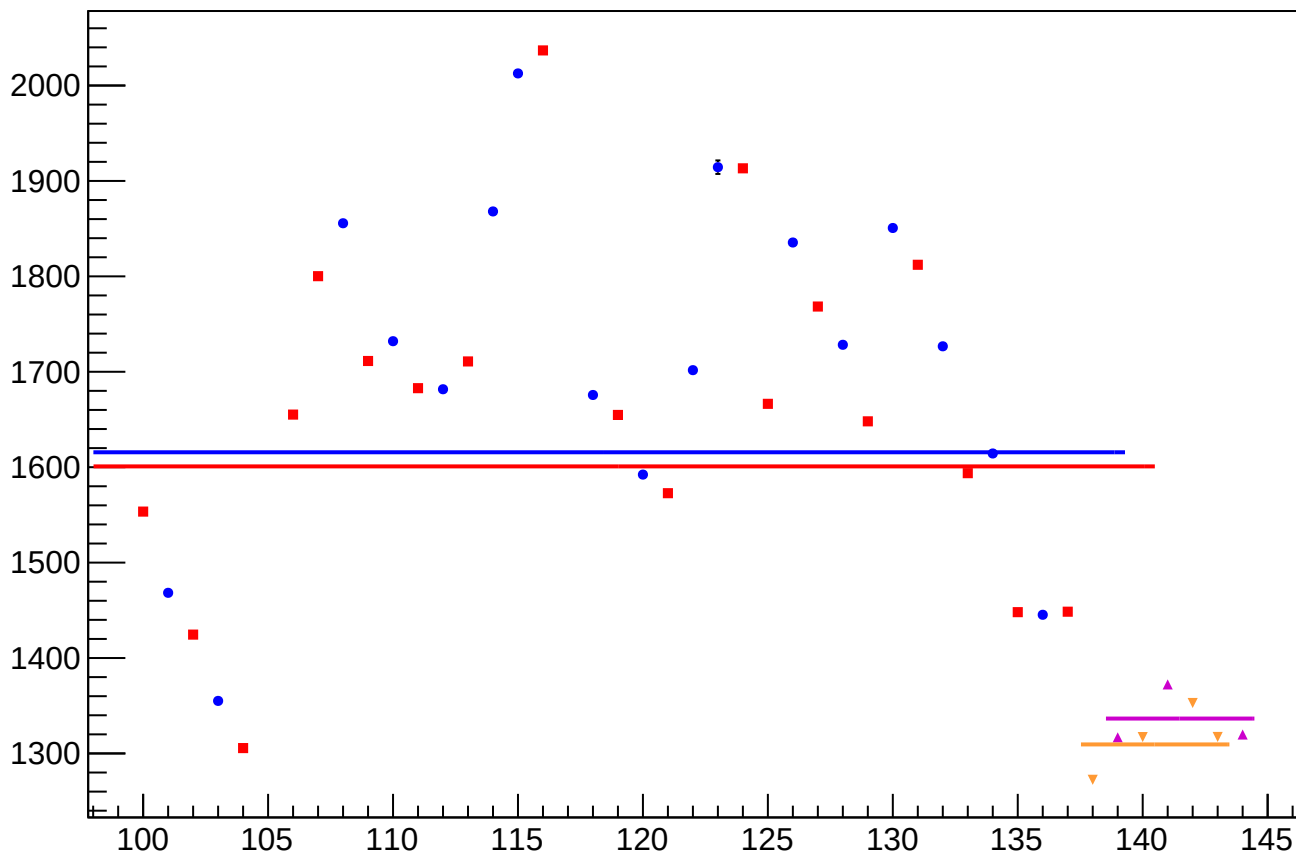
Left In: 36.453 ± 0.868 χ^2/NDF : 22.6/2

+ sign -4.610 ± 0.496 χ^2/NDF : 3144.6/20

All: 12.548 ± 0.350 χ^2/NDF : 8103.6/42

- sign 29.692 ± 0.496 χ^2/NDF : 2564.1/21

diff_bpm0i02aY_rms vs Slug



Right In: 1615.627 $\pm$ 0.444 χ^2 /NDF: 149190.0/16

Left Out: 1309.451 $\pm$ 0.572 χ^2 /NDF:2228.6/3

Right Out: 1600.836 $\pm$ 0.427 χ^2 /NDF: 153528.6/18

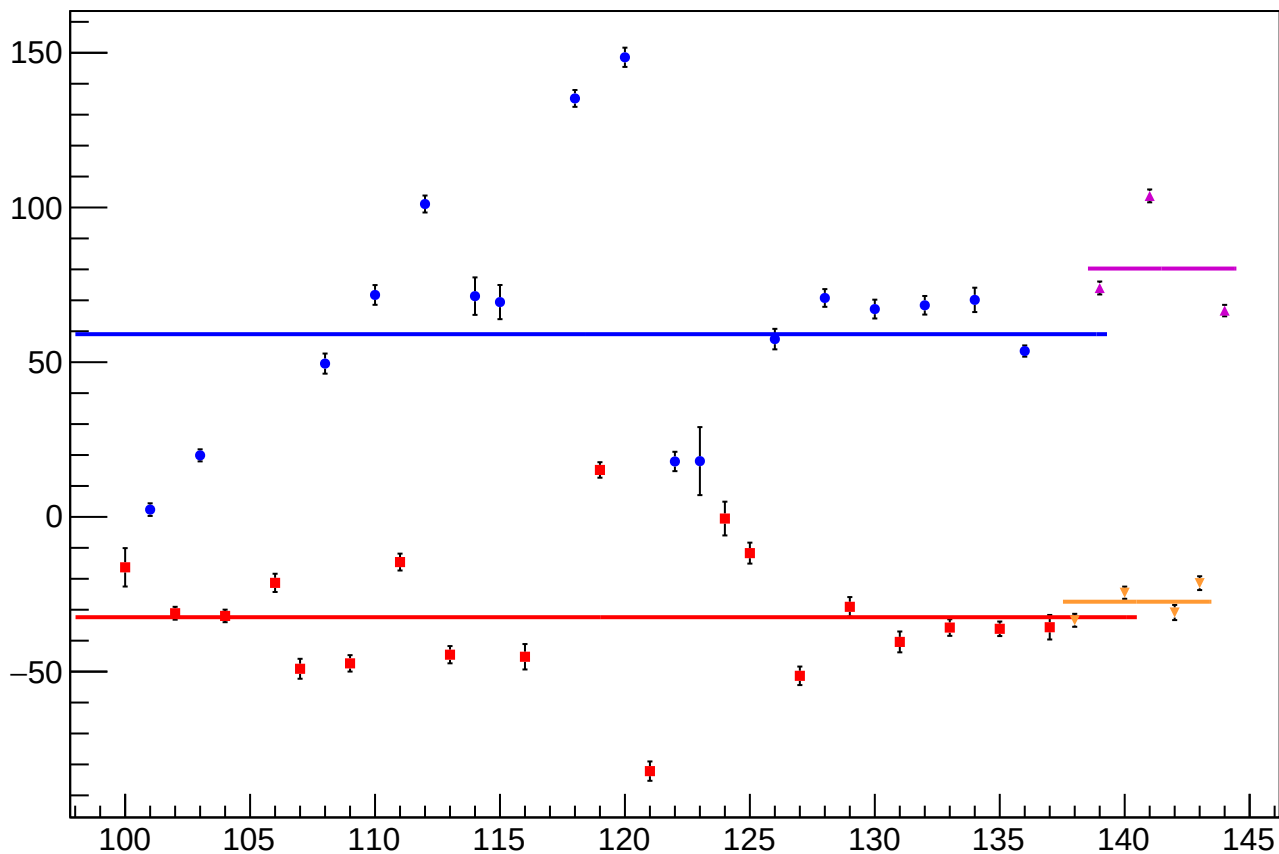
Left In: 1336.557 $\pm$ 0.613 χ^2 /NDF:1719.2/2

+ sign 1500.611 $\pm$ 0.351 χ^2 /NDF: 330359.4/20

All: 1507.617 $\pm$ 0.248 χ^2 /NDF: 611451.3/42

- sign 1514.618 $\pm$ 0.350 χ^2 /NDF: 280293.2/21

diff_bpm0i05X_mean vs Slug



Right In: 59.057+/-0.700 χ^2 /NDF: 3293.2/16

Left Out: -27.409+/-1.084 χ^2 /NDF:19.6/3

Right Out: -32.417+/-0.667 χ^2 /NDF: 888.1/18

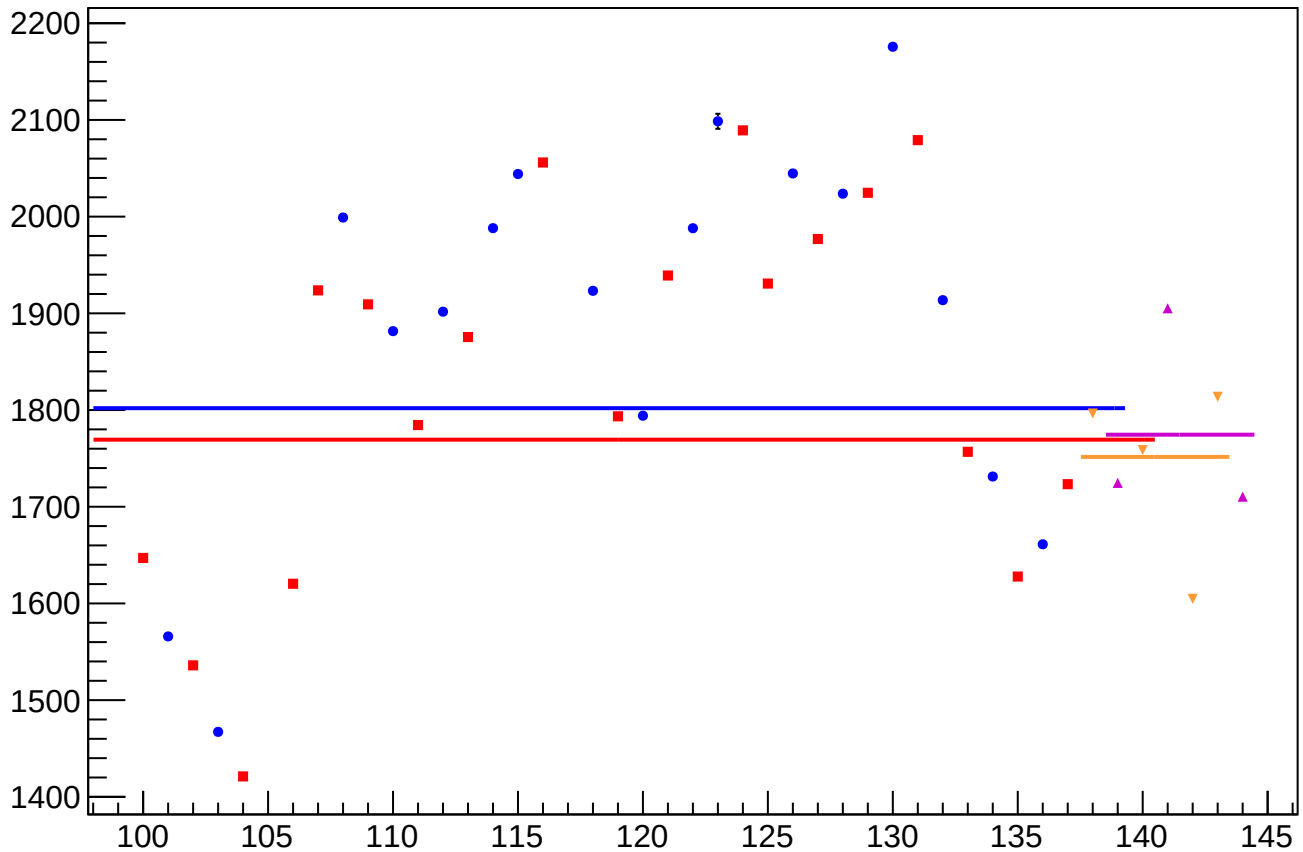
Left In: 80.267+/-1.154 χ^2 /NDF:190.1/2

+ sign 33.576+/-0.588 χ^2 /NDF: 7803.3/20

All: 14.367+/-0.412 χ^2 /NDF: 18124.1/42

- sign -4.159+/-0.578 χ^2 /NDF: 8226.1/21

diff_bpm0i05X_rms vs Slug



Right In: 1801.920 ± 0.495 χ^2/NDF : 183555.8/16

Left Out: 1751.532 ± 0.766 χ^2/NDF : 9682.4/3

+ sign 1787.071 ± 0.416 χ^2/NDF : 196288.1/20

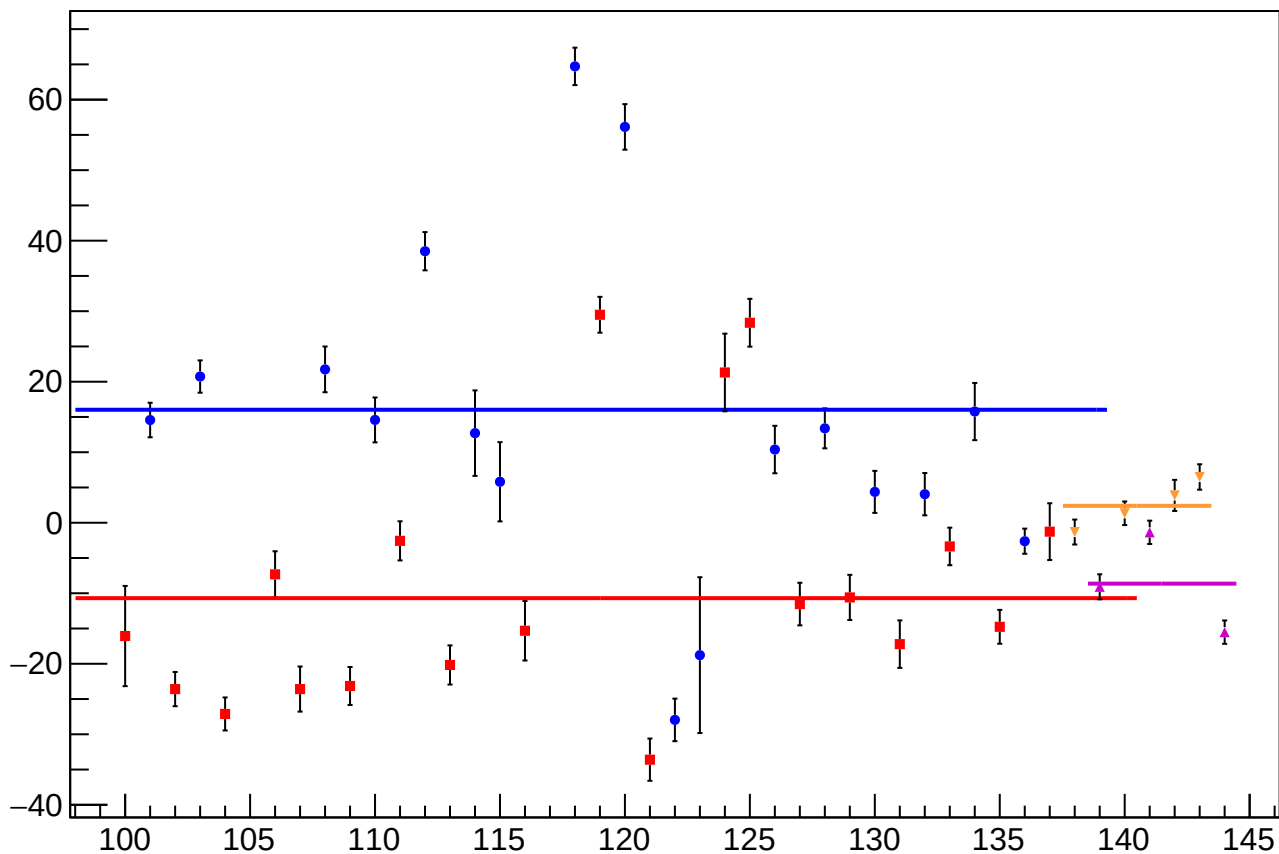
Right Out: 1769.354 ± 0.472 χ^2/NDF : 177813.0/18

All: 1778.708 ± 0.291 χ^2/NDF : 386340.4/42

- sign 1770.642 ± 0.409 χ^2/NDF : 189258.2/21

Left In: 1774.490 ± 0.816 χ^2/NDF : 11415.4/2

diff_bpm0i05Y_mean vs Slug



Right In: 16.023 ± 0.723 χ^2/NDF : 938.1/16

Left Out: 2.397 ± 0.916 χ^2/NDF : 10.4/3

Right Out: -10.695 ± 0.694 χ^2/NDF : 632.7/18

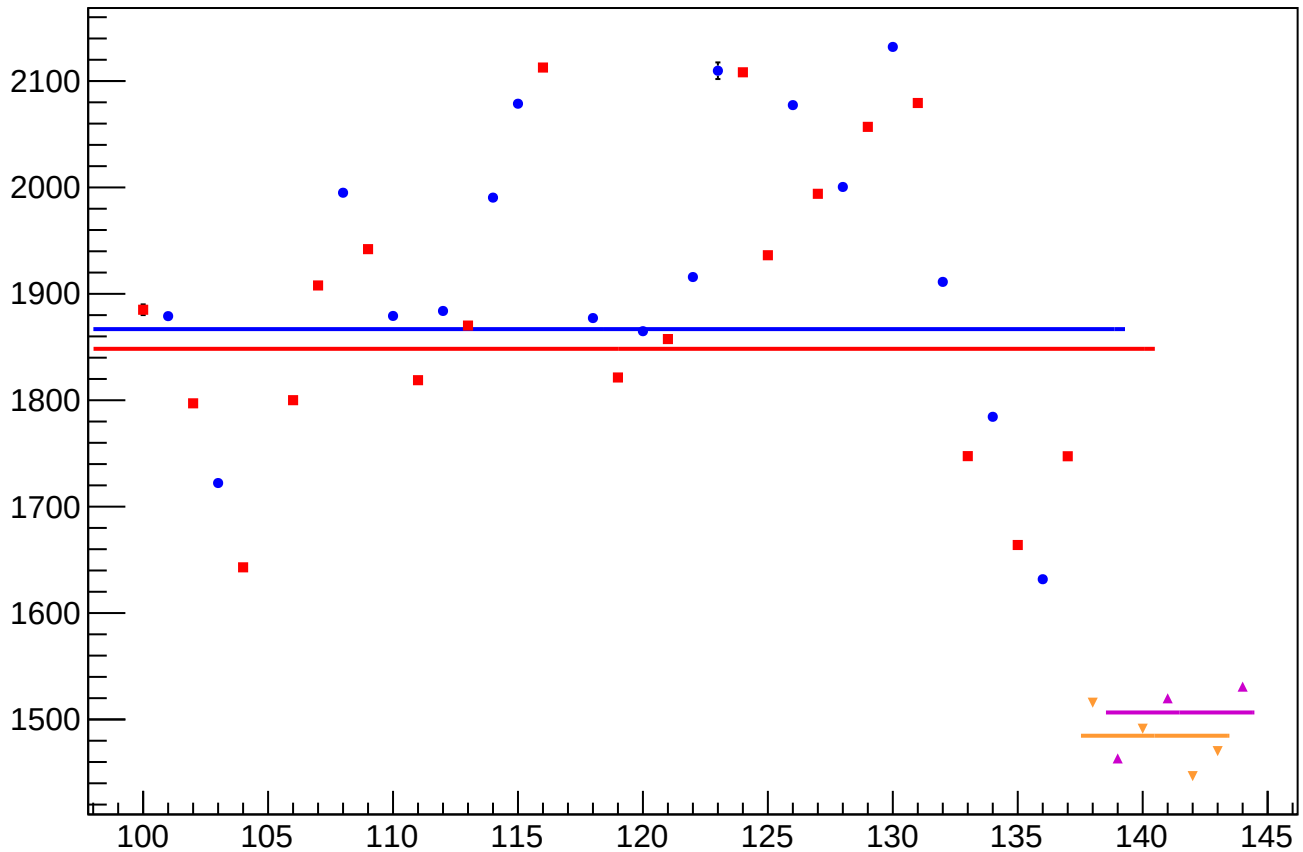
Left In: -8.636 ± 0.977 χ^2/NDF : 36.6/2

+ sign 10.798 ± 0.567 χ^2/NDF : 1084.8/20

All: 0.371 ± 0.401 χ^2/NDF : 2430.7/42

- sign -10.004 ± 0.566 χ^2/NDF : 672.3/21

diff_bpm0i05Y_rms vs Slug



Right In: 1866.855 $\pm$ 0.511 χ^2 /NDF: 80657.5/16

Left Out: 1484.702 $\pm$ 0.648 χ^2 /NDF:1369.4/3

Right Out: 1848.333 $\pm$ 0.491 χ^2 /NDF: 72586.9/18

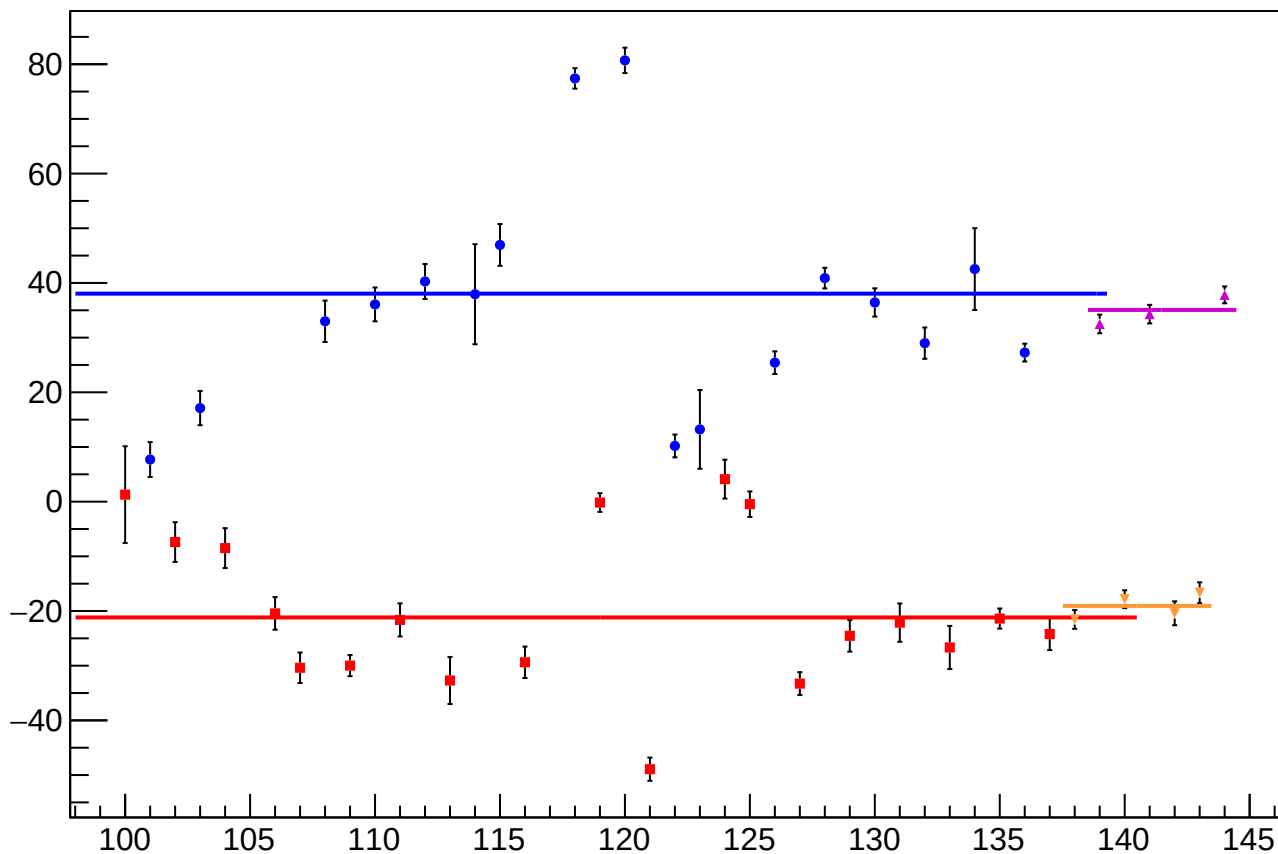
Left In: 1506.558 $\pm$ 0.691 χ^2 /NDF:1744.9/2

+ sign 1720.334 $\pm$ 0.401 χ^2 /NDF: 296442.4/20

All: 1727.003 $\pm$ 0.283 χ^2 /NDF: 533905.2/42

- sign 1733.639 $\pm$ 0.400 χ^2 /NDF: 236911.7/21

diff_bpm0i07X_mean vs Slug



Right In: 38.041 ± 0.639 $\chi^2/\text{NDF}: 1207.6/16$

Left Out: -19.067 ± 0.912 $\chi^2/\text{NDF}: 4.6/3$

Right Out: -21.178 ± 0.610 $\chi^2/\text{NDF}: 570.0/18$

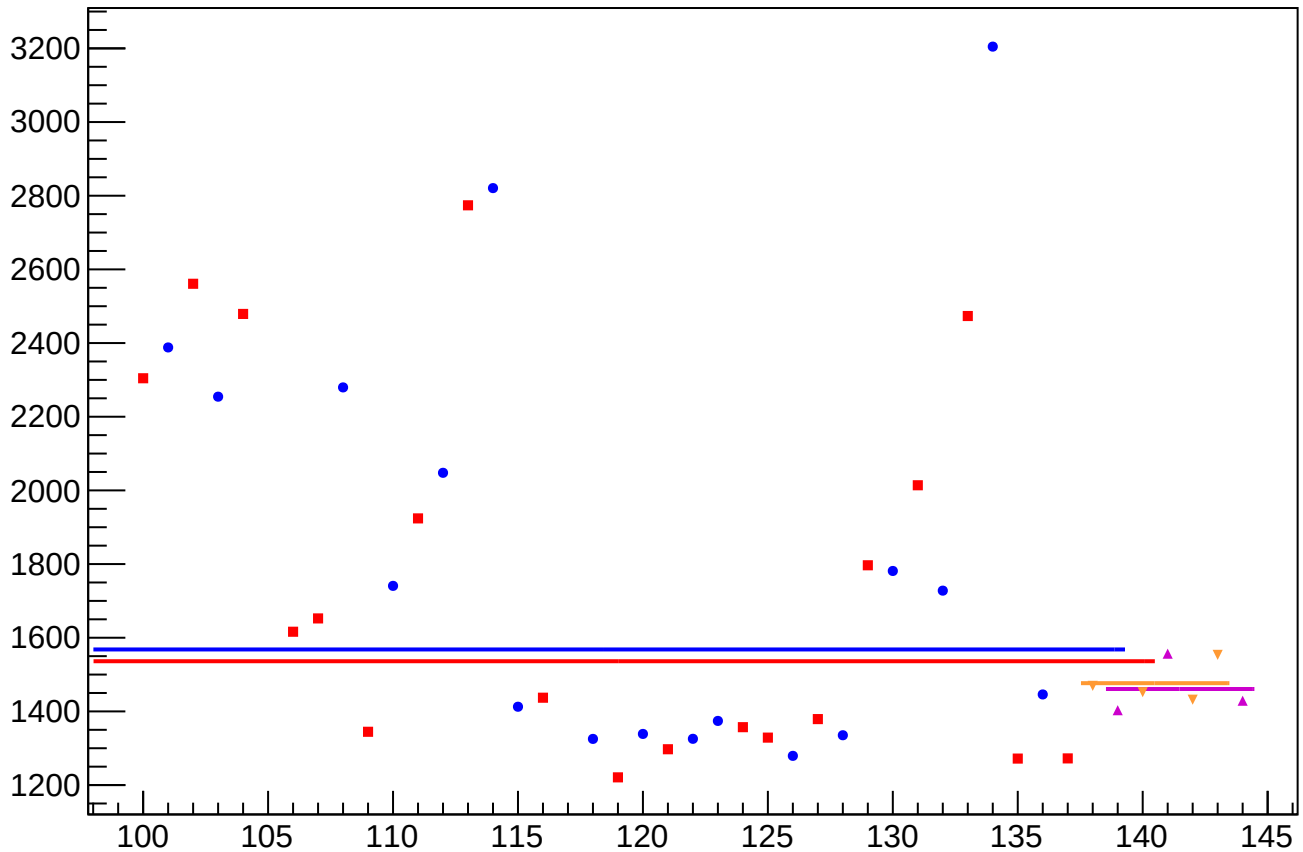
Left In: 35.067 ± 0.949 $\chi^2/\text{NDF}: 5.7/2$

+ sign 19.260 ± 0.523 $\chi^2/\text{NDF}: 3841.0/20$

All: 7.016 ± 0.366 $\chi^2/\text{NDF}: 7977.6/42$

- sign -4.744 ± 0.513 $\chi^2/\text{NDF}: 3063.3/21$

diff_bpm0i07X_rms vs Slug



Right In: 1568.172 $\pm$ 0.452 χ^2 /NDF: 668072.7/16

Left Out: 1476.635 $\pm$ 0.645 χ^2 /NDF: 4574.3/3

Right Out: 1536.208 $\pm$ 0.431 χ^2 /NDF: 882312.9/18

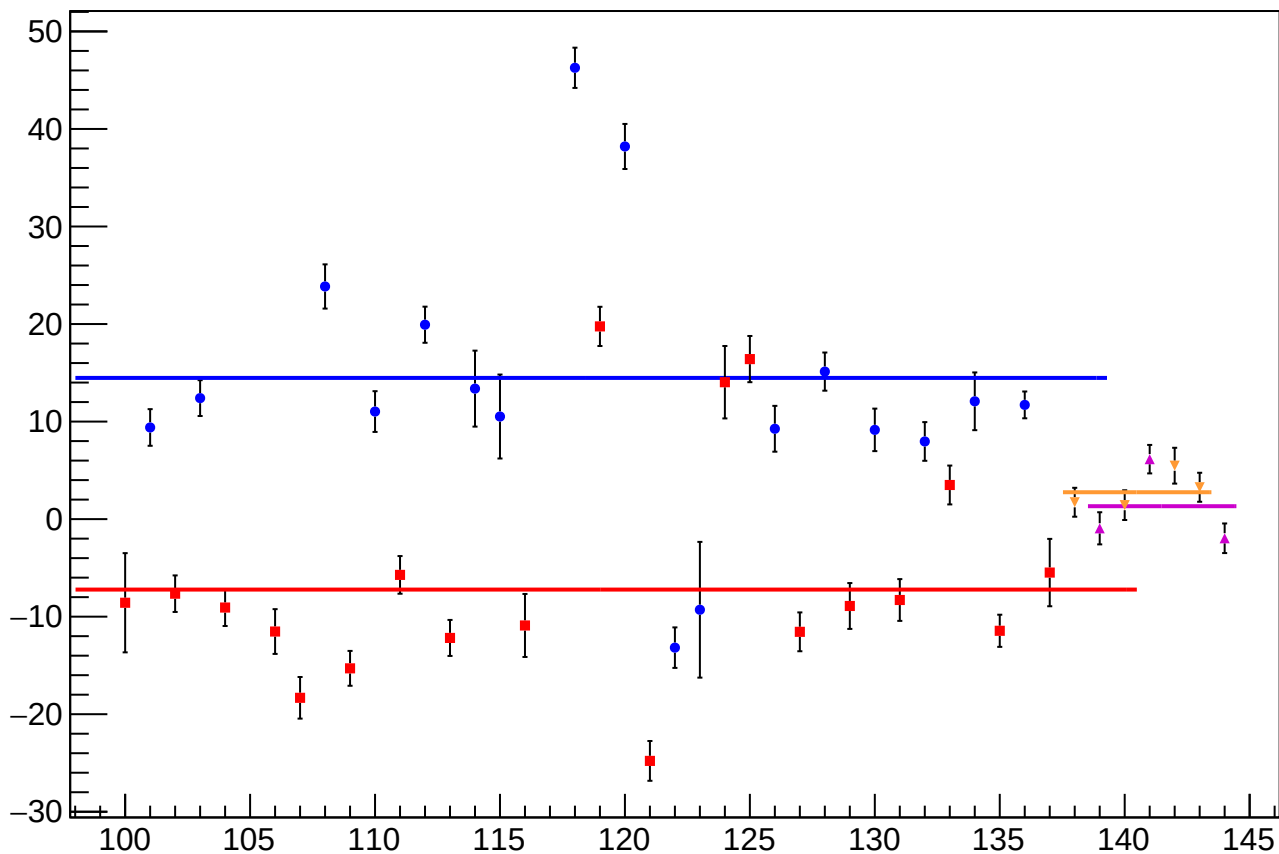
Left In: 1460.825 $\pm$ 0.671 χ^2 /NDF: 9509.6/2

+ sign 1538.068 $\pm$ 0.370 χ^2 /NDF: 686154.6/20

All: 1525.884 $\pm$ 0.259 χ^2 /NDF: 1589040.1/42

- sign 1514.182 $\pm$ 0.363 χ^2 /NDF: 900759.8/21

diff_bpm0i07Y_mean vs Slug



Right In: 14.477 $\pm$ 0.524 χ^2 /NDF: 596.5/16

Left Out: 2.756 $\pm$ 0.782 χ^2 /NDF: 3.5/3

Right Out: -7.223 $\pm$ 0.495 χ^2 /NDF: 489.0/18

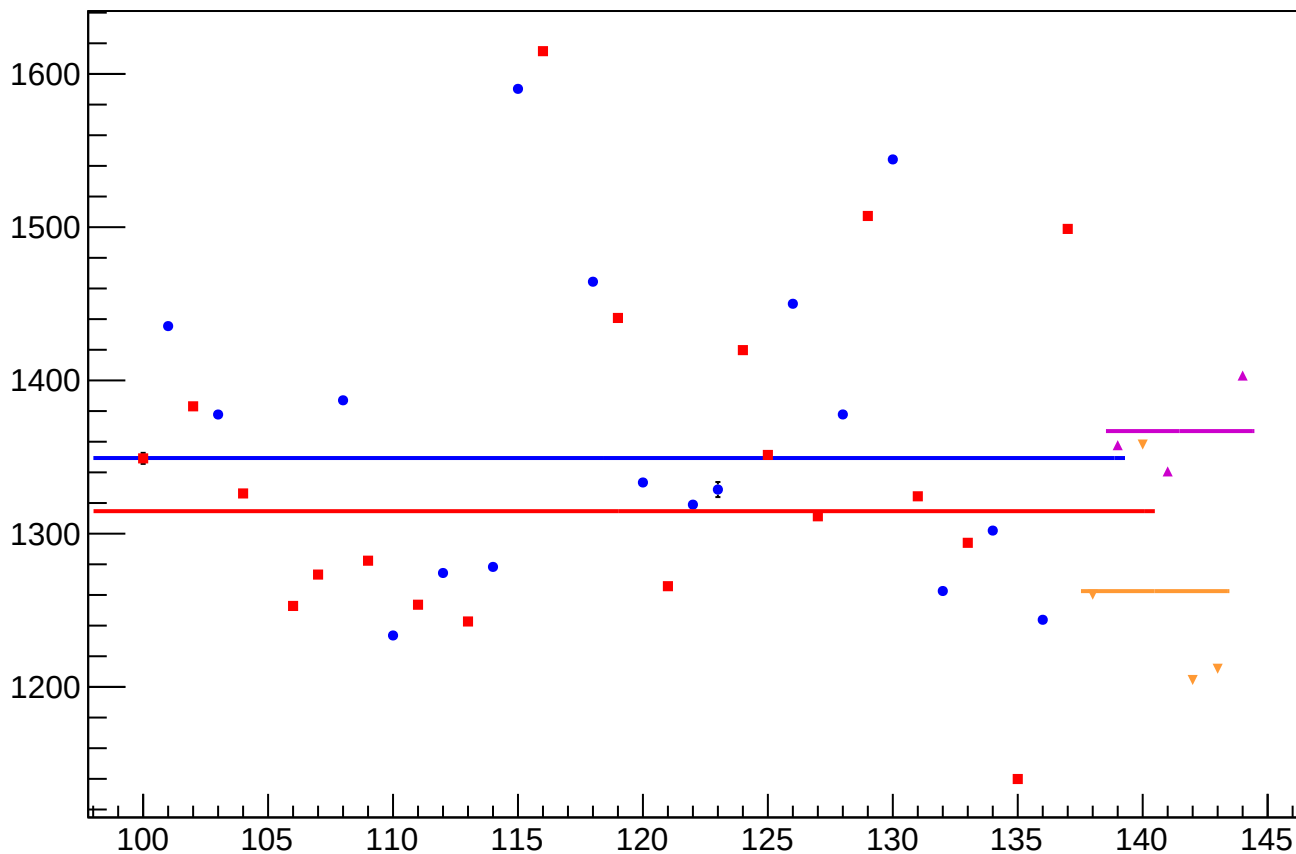
Left In: 1.324 $\pm$ 0.887 χ^2 /NDF: 17.5/2

+ sign 10.845 $\pm$ 0.435 χ^2 /NDF: 755.1/20

All: 2.772 $\pm$ 0.307 χ^2 /NDF: 2015.4/42

- sign -5.191 $\pm$ 0.432 χ^2 /NDF: 577.3/21

diff_bpm0i07Y_rms vs Slug



Right In: 1349.357 ± 0.371 χ^2/NDF : 64580.7/16

Left Out: 1262.504 ± 0.553 χ^2/NDF : 12197.9/3

Right Out: 1314.682 ± 0.350 χ^2/NDF : 80983.6/18

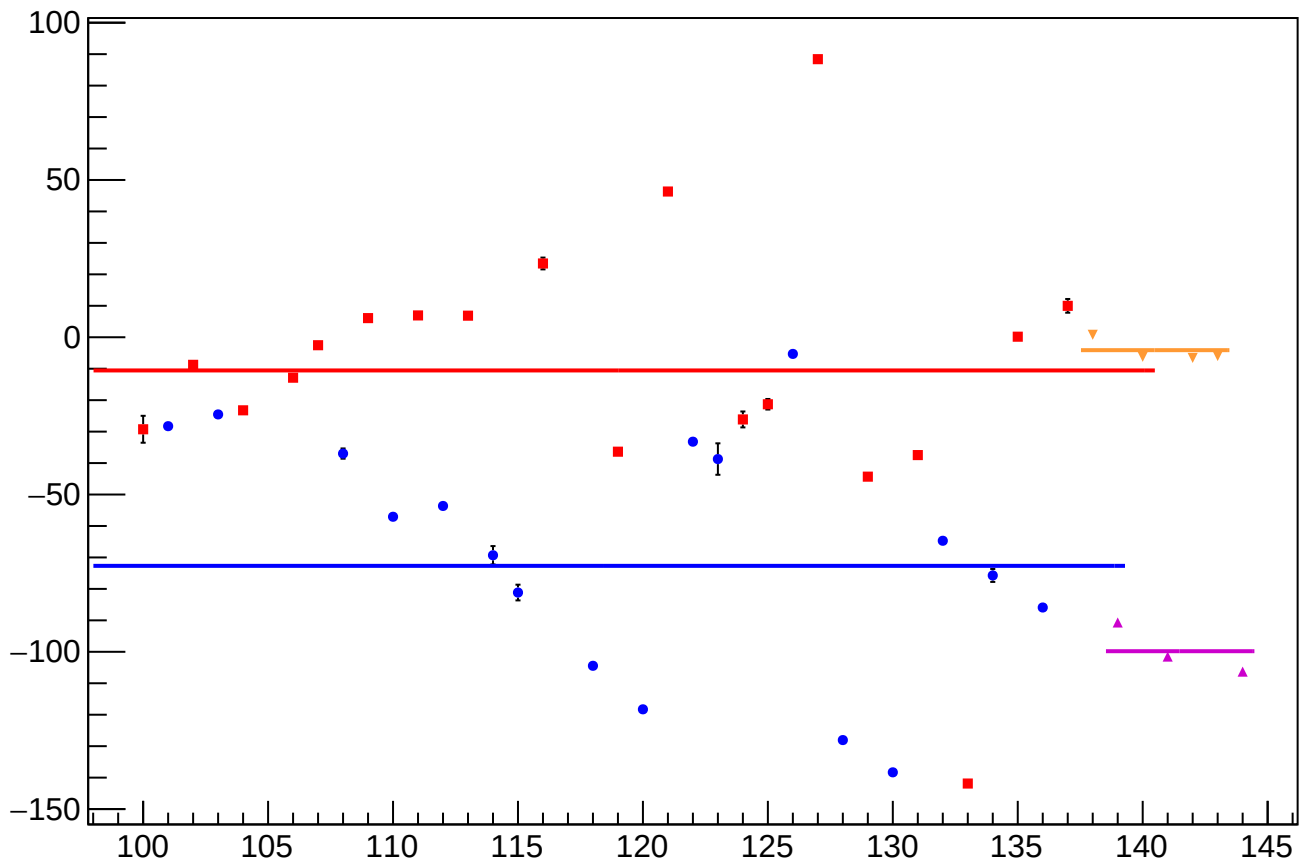
Left In: 1366.942 ± 0.627 χ^2/NDF : 1852.1/2

+ sign 1322.443 ± 0.308 χ^2/NDF : 93800.9/20

All: 1324.792 ± 0.217 χ^2/NDF : 182047.7/42

- sign 1327.109 ± 0.306 χ^2/NDF : 88131.2/21

diff_bpm1i02X_mean vs Slug



Right In: -72.674 ± 0.363 χ^2/NDF : 11603.9/16

Left Out: -4.106 ± 0.573 χ^2/NDF : 31.5/3

Right Out: -10.552 ± 0.353 χ^2/NDF : 18145.5/18

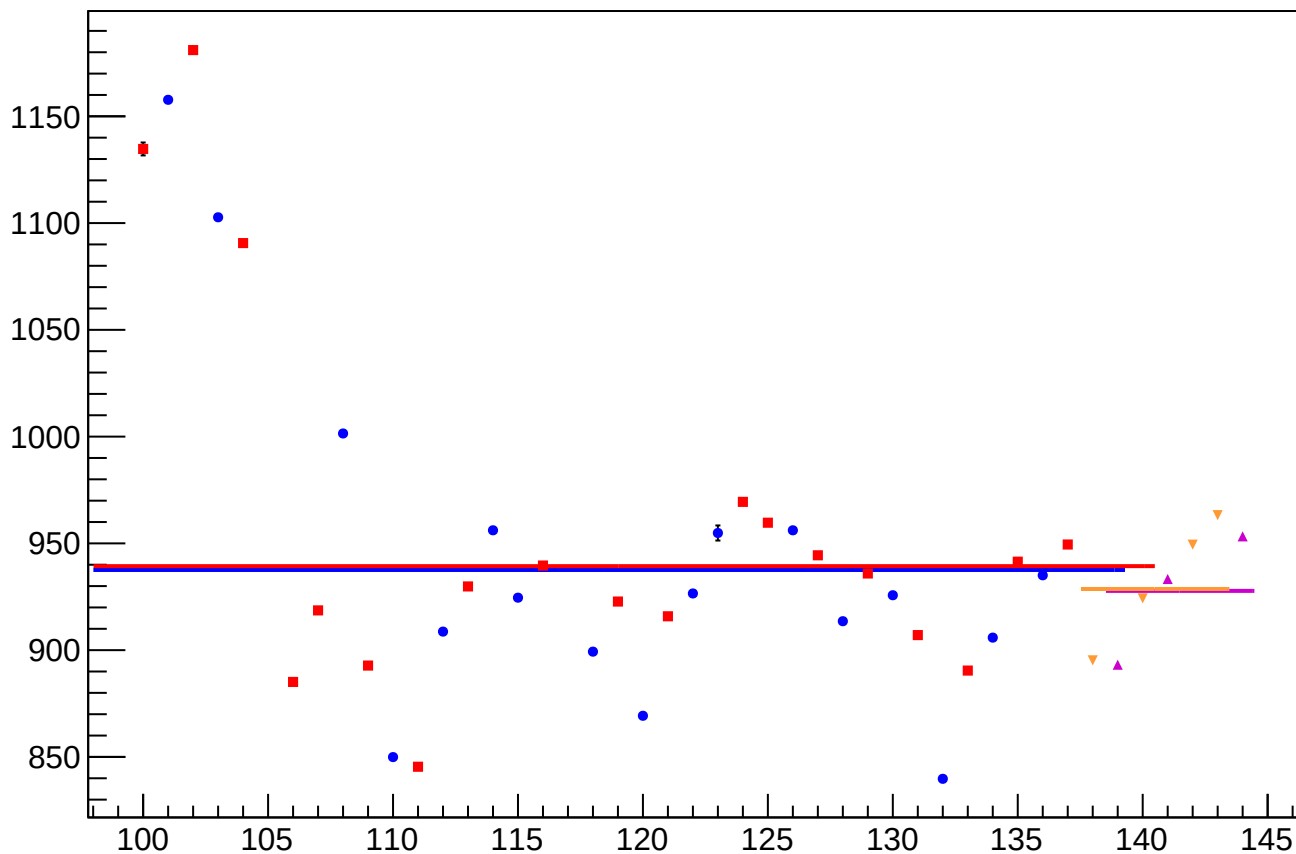
Left In: -99.808 ± 0.601 χ^2/NDF : 113.8/2

+ sign -53.040 ± 0.307 χ^2/NDF : 21850.6/20

All: -43.164 ± 0.216 χ^2/NDF : 58561.8/42

- sign -33.437 ± 0.304 χ^2/NDF : 34653.0/21

diff_bpm1i02X_rms vs Slug



Right In: 937.550 $\pm$ 0.257 χ^2 /NDF: 98231.3/16

Left Out: 928.644 $\pm$ 0.405 χ^2 /NDF: 4211.1/3

Right Out: 939.341 $\pm$ 0.250 χ^2 /NDF: 90084.9/18

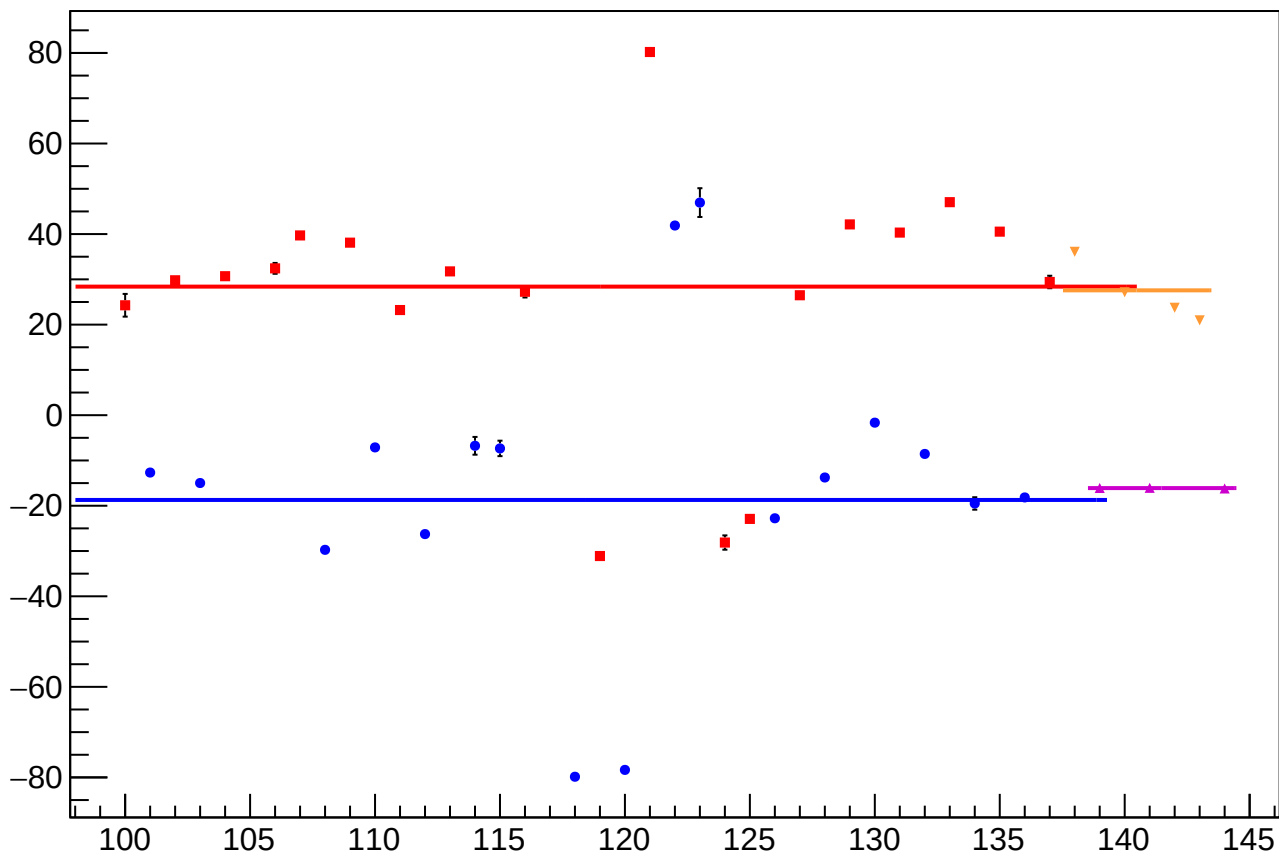
Left In: 927.756 $\pm$ 0.425 χ^2 /NDF: 3331.7/2

+ sign 935.000 $\pm$ 0.217 χ^2 /NDF: 102787.0/20

All: 935.690 $\pm$ 0.153 χ^2 /NDF: 196776.2/42

- sign 936.371 $\pm$ 0.215 χ^2 /NDF: 93969.0/21

diff_bpm1i02Y_mean vs Slug



Right In: -18.723 ± 0.243 χ^2/NDF : 12999.6/16

Left Out: 27.572 ± 0.394 χ^2/NDF : 220.0/3

Right Out: 28.395 ± 0.236 χ^2/NDF : 12424.6/18

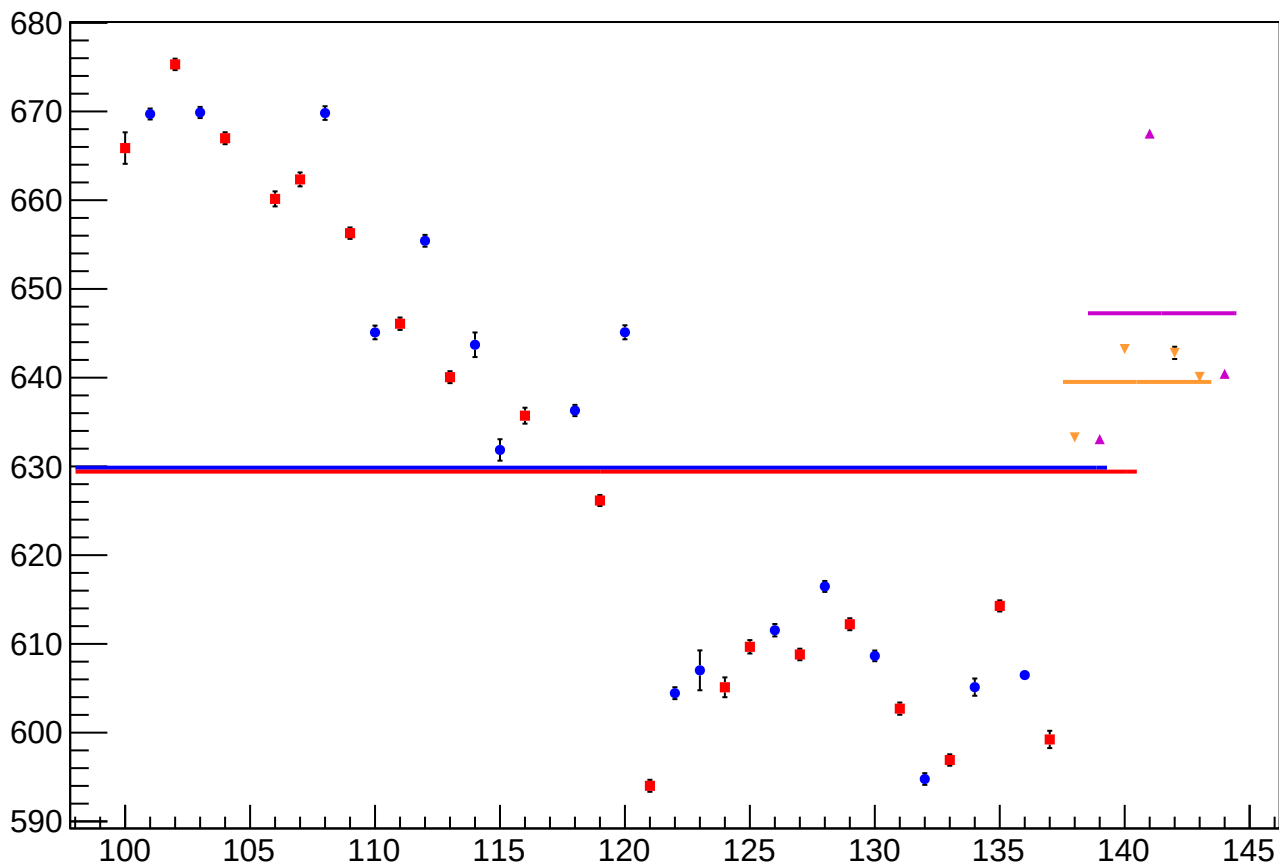
Left In: -16.102 ± 0.419 χ^2/NDF : 0.0/2

+ sign -5.979 ± 0.207 χ^2/NDF : 23202.2/20

All: 5.939 ± 0.146 χ^2/NDF : 50769.6/42

- sign 17.699 ± 0.206 χ^2/NDF : 20978.7/21

diff_bpm1i02Y_rms vs Slug



Right In: 629.857 ± 0.172 $\chi^2/\text{NDF}: 23252.7/16$

Left Out: 639.521 ± 0.279 $\chi^2/\text{NDF}: 219.5/3$

Right Out: 629.413 ± 0.167 $\chi^2/\text{NDF}: 25484.3/18$

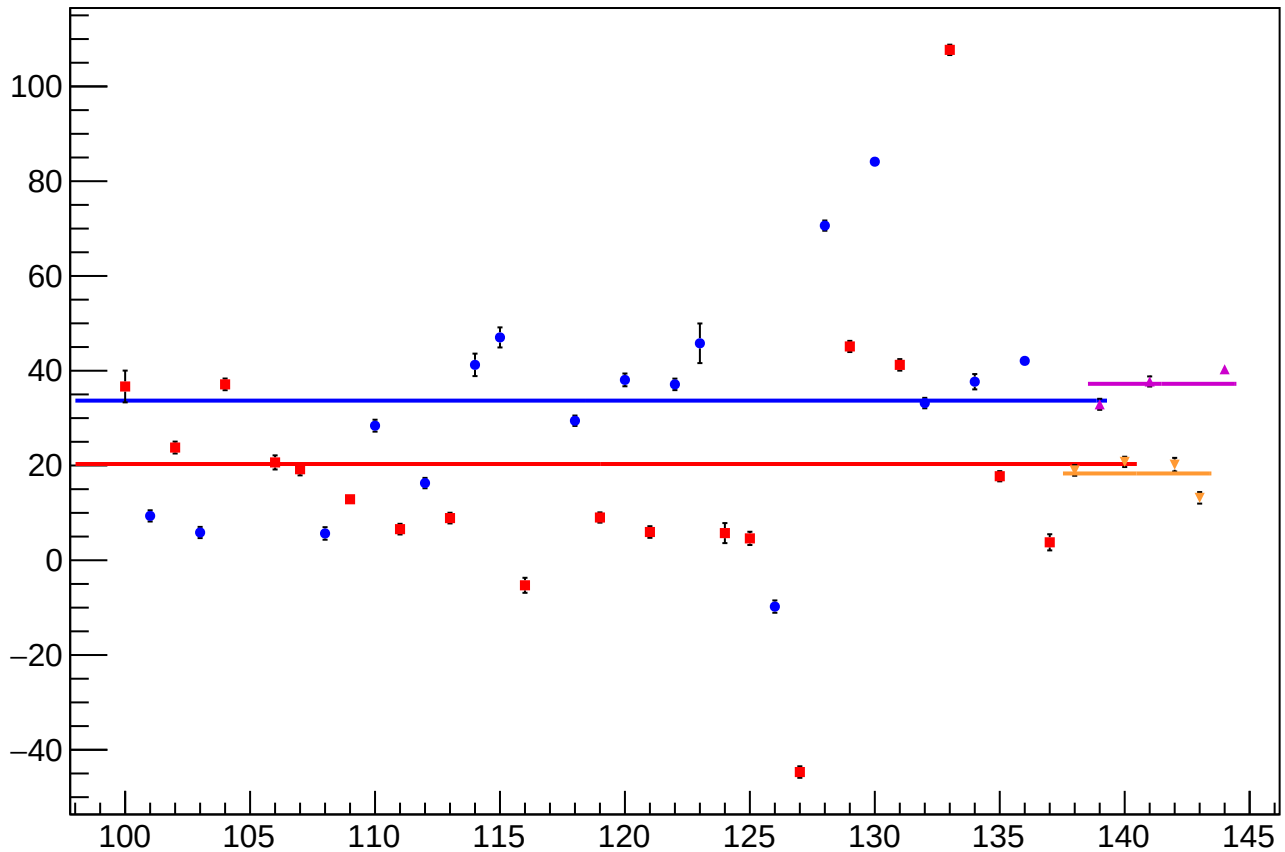
Left In: 647.258 ± 0.297 $\chi^2/\text{NDF}: 2432.6/2$

+ sign 632.518 ± 0.146 $\chi^2/\text{NDF}: 24342.2/20$

All: 633.114 ± 0.103 $\chi^2/\text{NDF}: 55043.7/42$

- sign 633.702 ± 0.145 $\chi^2/\text{NDF}: 30668.6/21$

diff_bpm1i04X_mean vs Slug



Right In: 33.692 $\pm$ 0.300 χ^2 /NDF: 6428.2/16

Left Out: 18.317 $\pm$ 0.598 χ^2 /NDF: 25.0/3

Right Out: 20.314 $\pm$ 0.293 χ^2 /NDF: 11278.0/18

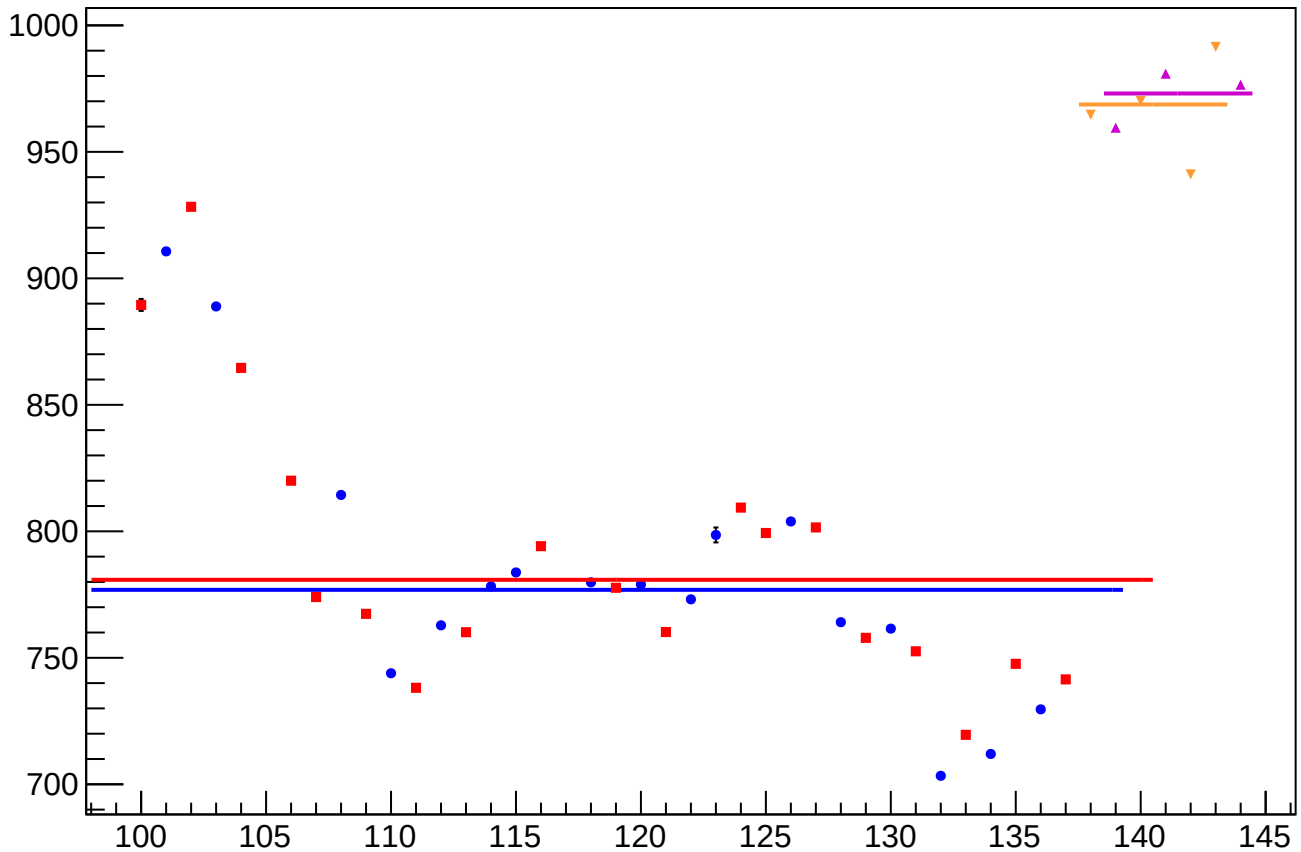
Left In: 37.237 $\pm$ 0.631 χ^2 /NDF: 22.5/2

+ sign 30.592 $\pm$ 0.268 χ^2 /NDF: 6981.2/20

All: 26.919 $\pm$ 0.189 χ^2 /NDF: 19244.9/42

- sign 23.320 $\pm$ 0.266 χ^2 /NDF: 11893.0/21

diff_bpm1i04X_rms vs Slug



Right In: 776.869 $\pm$ 0.212 χ^2 /NDF: 67447.3/16

Left Out: 968.728 $\pm$ 0.423 χ^2 /NDF: 1474.4/3

Right Out: 780.840 $\pm$ 0.207 χ^2 /NDF: 57297.9/18

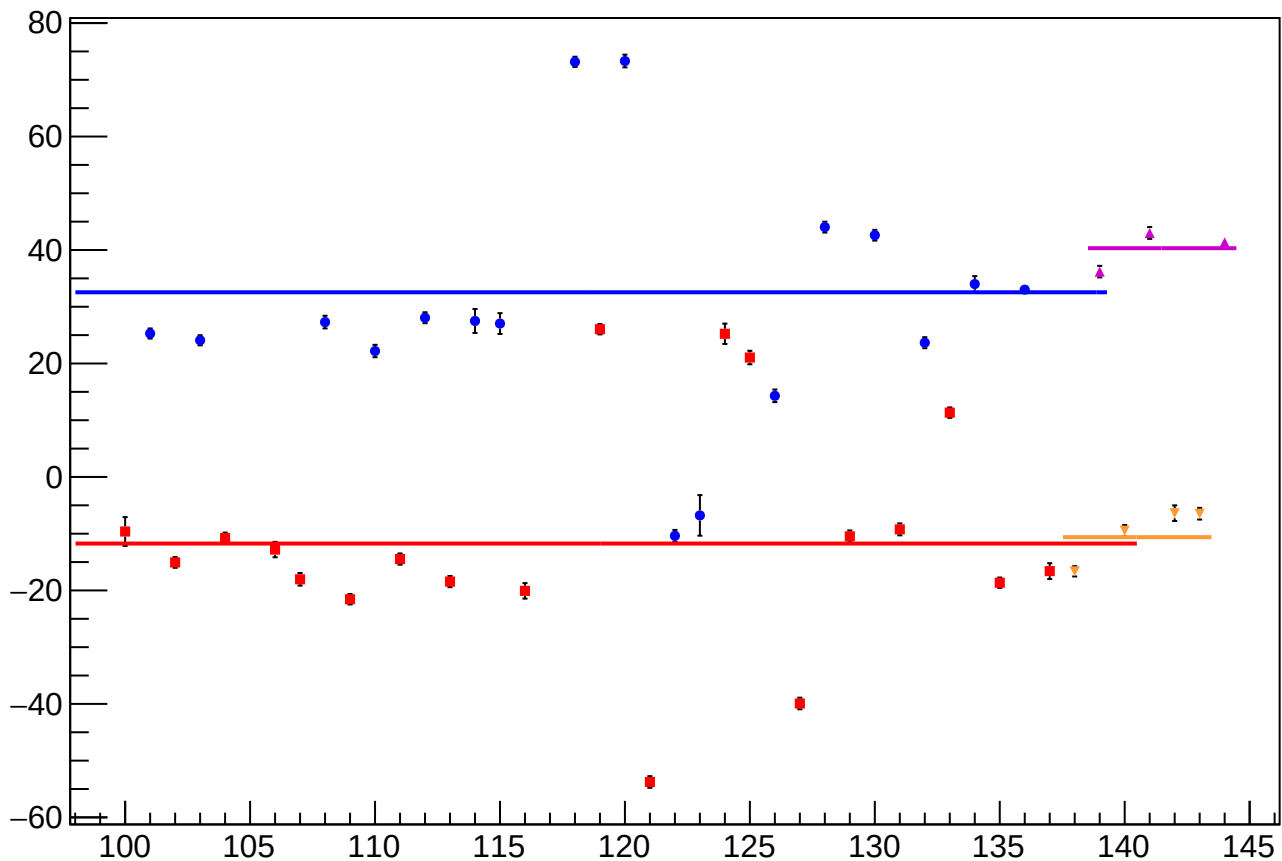
Left In: 973.073 $\pm$ 0.446 χ^2 /NDF: 399.3/2

+ sign 815.549 $\pm$ 0.190 χ^2 /NDF: 233361.0/20

All: 815.265 $\pm$ 0.134 χ^2 /NDF: 443951.4/42

- sign 814.987 $\pm$ 0.188 χ^2 /NDF: 210586.0/21

diff_bpm1i04Y_mean vs Slug



Right In: 32.550 ± 0.253 χ^2/NDF : 6077.4/16

Left Out: -10.613 ± 0.521 χ^2/NDF : 70.7/3

Right Out: -11.737 ± 0.247 χ^2/NDF : 6313.2/18

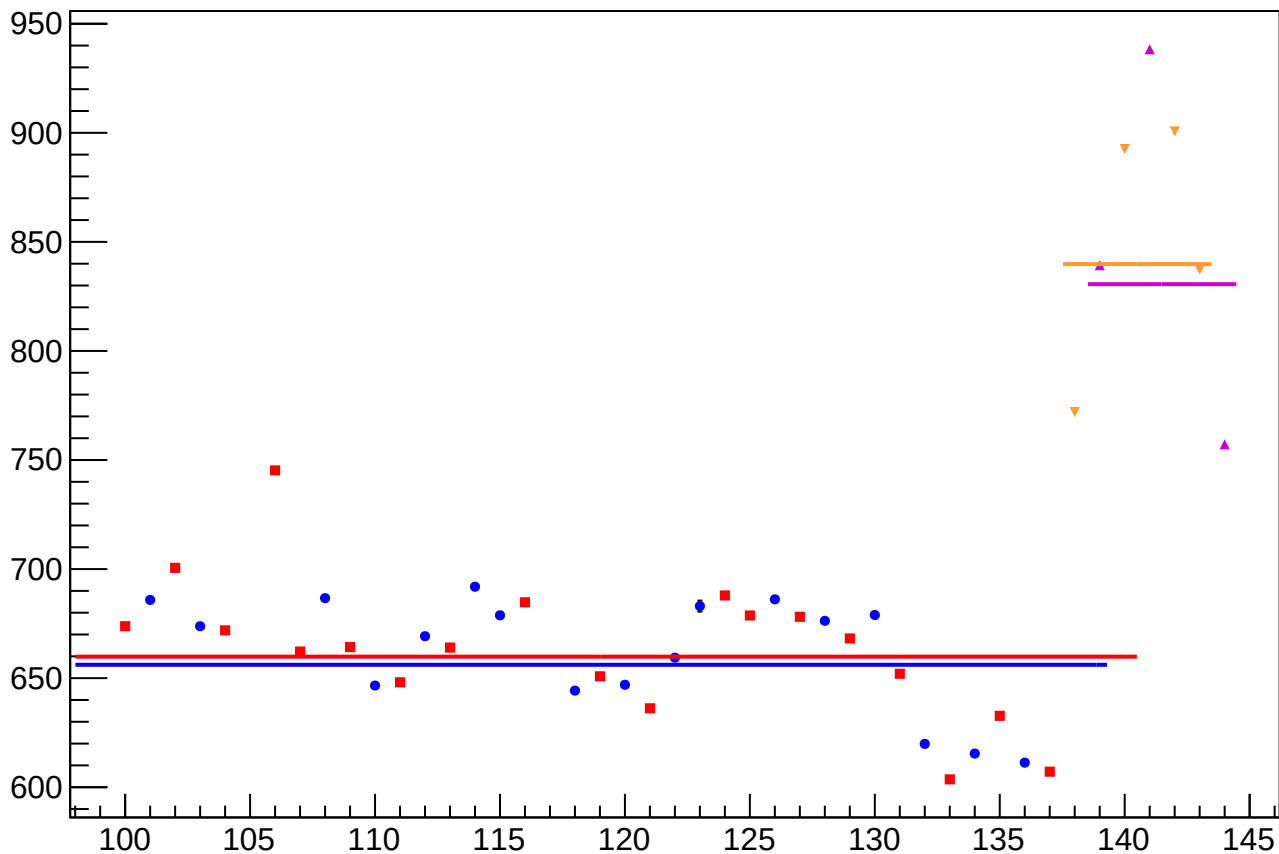
Left In: 40.320 ± 0.546 χ^2/NDF : 24.6/2

+ sign 24.308 ± 0.228 χ^2/NDF : 11693.5/20

All: 10.567 ± 0.160 χ^2/NDF : 32759.7/42

- sign -2.882 ± 0.225 χ^2/NDF : 13868.2/21

diff_bpm1i04Y_rms vs Slug



Right In: 656.132 $\pm$ 0.179 χ^2 /NDF: 23518.0/16

Left Out: 839.825 $\pm$ 0.369 χ^2 /NDF: 20585.6/3

Right Out: 659.855 $\pm$ 0.175 χ^2 /NDF: 28270.5/18

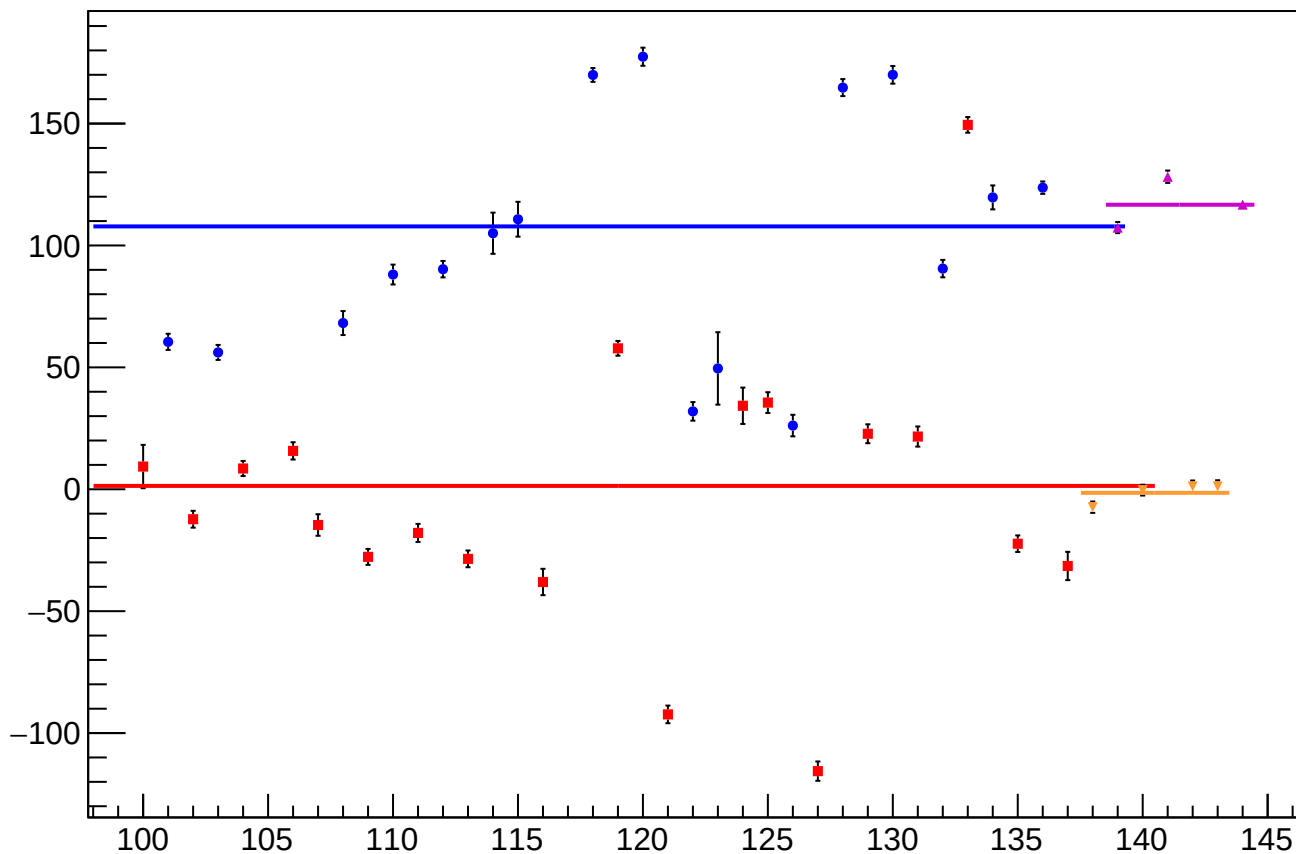
Left In: 830.607 $\pm$ 0.386 χ^2 /NDF: 37272.4/2

+ sign 691.208 $\pm$ 0.161 χ^2 /NDF: 244974.2/20

All: 690.042 $\pm$ 0.113 χ^2 /NDF: 472663.9/42

- sign 688.901 $\pm$ 0.159 χ^2 /NDF: 227585.9/21

diff_bpm1i06X_mean vs Slug



Right In: 107.816 $\pm$ 0.923 χ^2 /NDF: 2815.8/16

Left Out: -1.454 $\pm$ 1.182 χ^2 /NDF: 8.9/3

Right Out: 1.388 $\pm$ 0.885 χ^2 /NDF: 4515.0/18

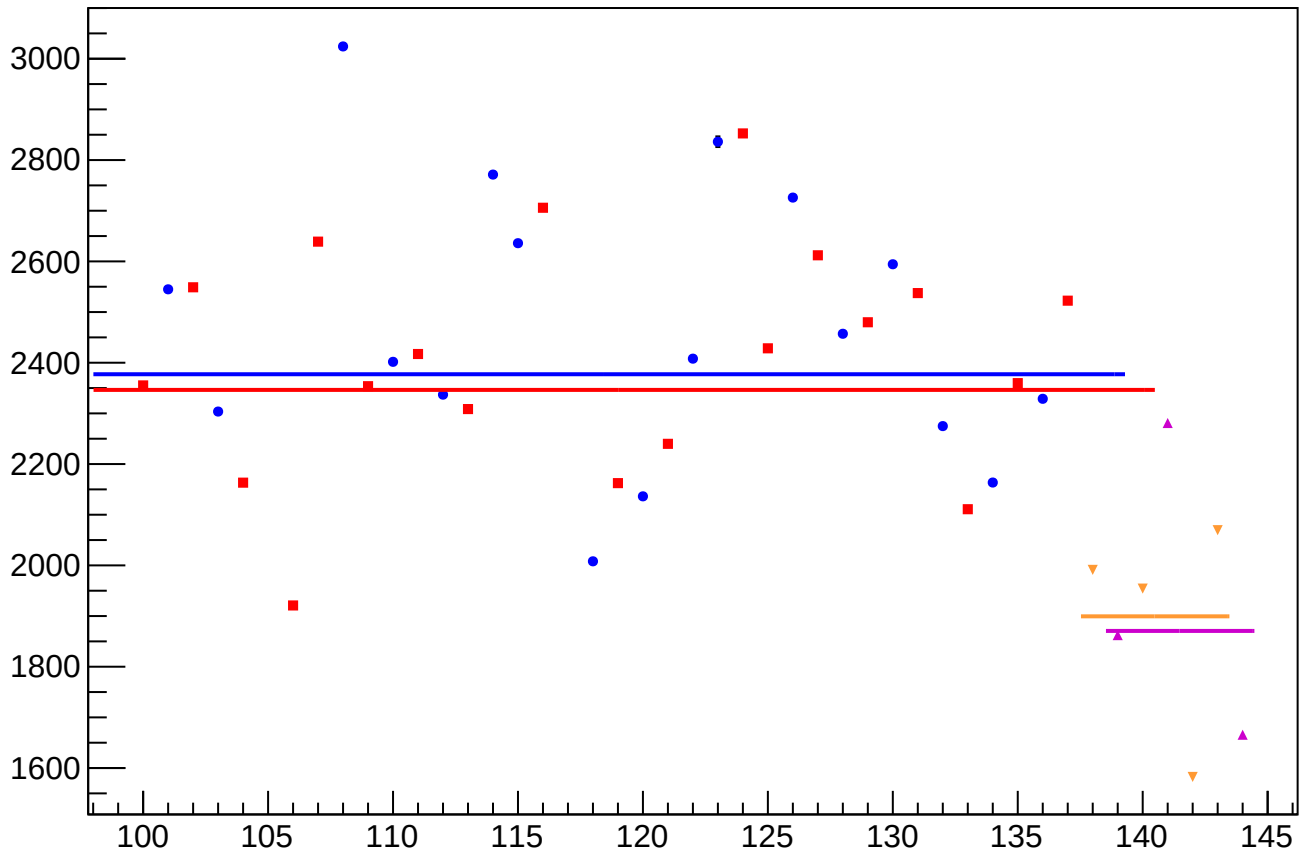
Left In: 116.705 $\pm$ 1.238 χ^2 /NDF: 37.5/2

+ sign 66.429 $\pm$ 0.728 χ^2 /NDF: 8132.0/20

All: 53.272 $\pm$ 0.512 χ^2 /NDF: 19076.3/42

- sign 40.393 $\pm$ 0.720 χ^2 /NDF: 10297.1/21

diff_bpm1i06X_rms vs Slug



Right In: 2377.271 $\pm$ 0.653 χ^2 /NDF: 119441.2/16

Left Out: 1899.433 $\pm$ 0.836 χ^2 /NDF: 47805.0/3

Right Out: 2346.354 $\pm$ 0.626 χ^2 /NDF: 108612.6/18

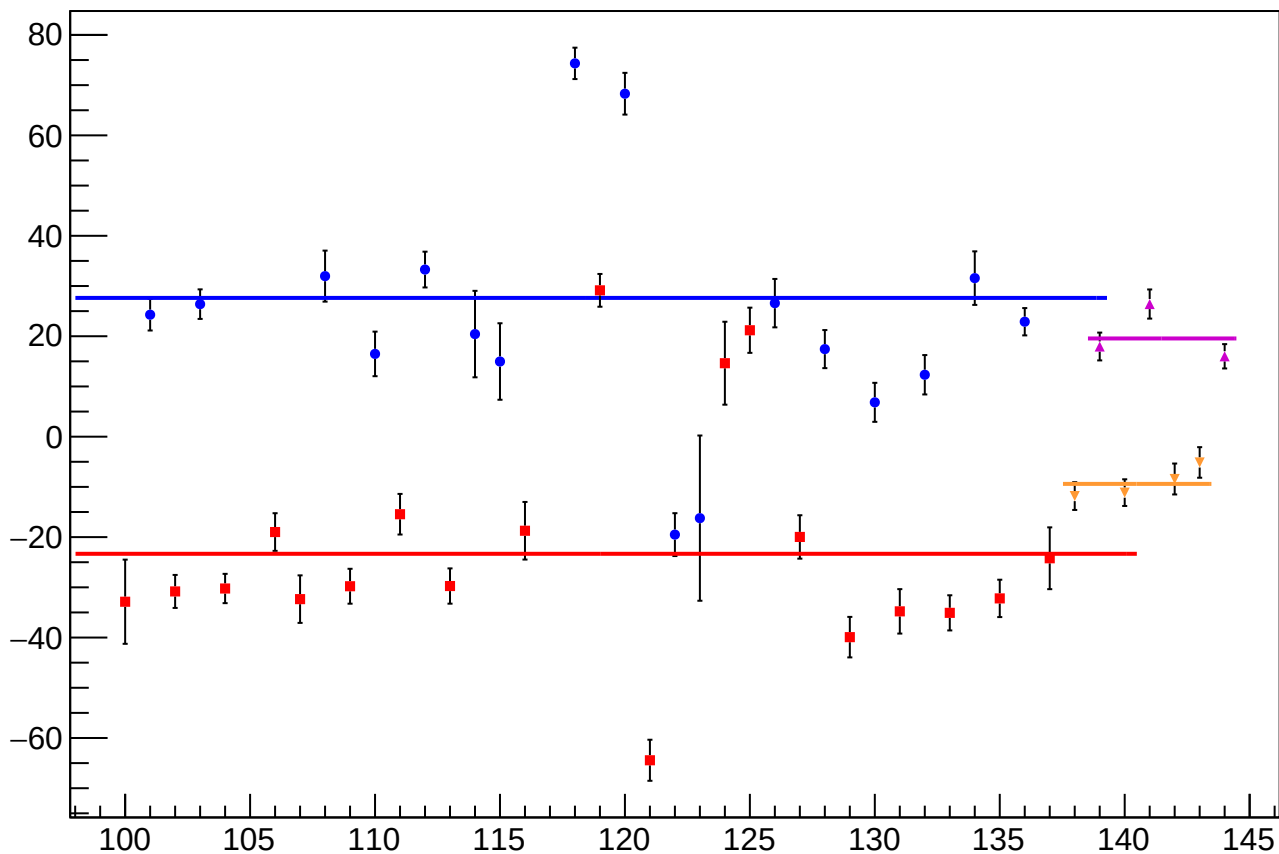
Left In: 1870.639 $\pm$ 0.875 χ^2 /NDF: 78027.7/2

+ sign 2196.288 $\pm$ 0.514 χ^2 /NDF: 370234.2/20

All: 2190.808 $\pm$ 0.362 χ^2 /NDF: 752621.2/42

- sign 2185.444 $\pm$ 0.509 χ^2 /NDF: 382162.5/21

diff_bpm1i06Y_mean vs Slug



Right In: 27.633 $\pm$ 0.976 χ^2 /NDF: 517.1/16

Left Out: -9.402 $\pm$ 1.435 χ^2 /NDF: 3.3/3

Right Out: -23.322 $\pm$ 0.929 χ^2 /NDF: 548.2/18

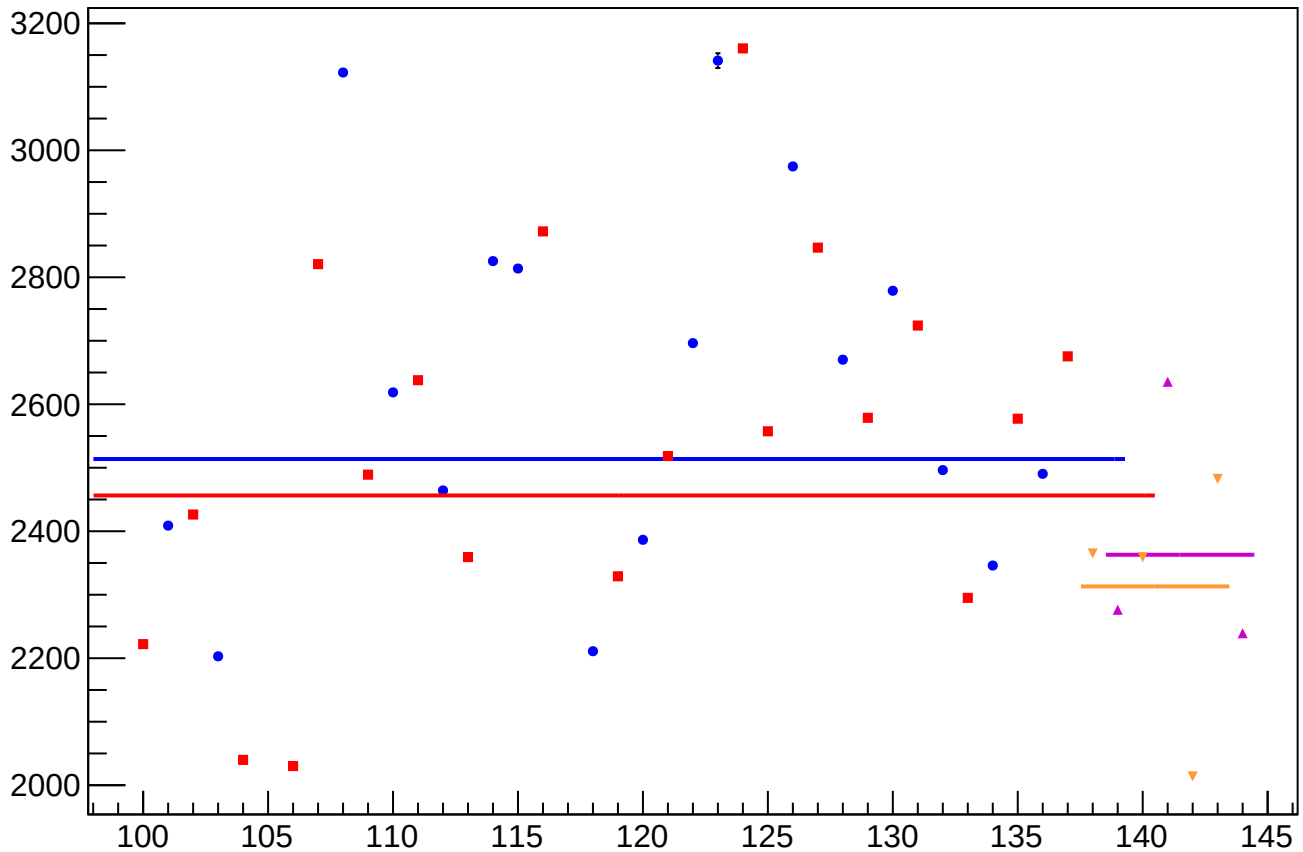
Left In: 19.556 $\pm$ 1.544 χ^2 /NDF: 8.1/2

+ sign 15.909 $\pm$ 0.807 χ^2 /NDF: 975.9/20

All: 1.789 $\pm$ 0.567 χ^2 /NDF: 2702.0/42

- sign -11.934 $\pm$ 0.796 χ^2 /NDF: 1122.6/21

diff_bpm1i06Y_rms vs Slug



Right In: 2513.762 $\pm$ 0.690 χ^2 /NDF: 120863.4/16

Left Out: 2313.101 $\pm$ 1.014 χ^2 /NDF: 26390.3/3

+ sign 2450.239 $\pm$ 0.571 χ^2 /NDF: 173997.1/20

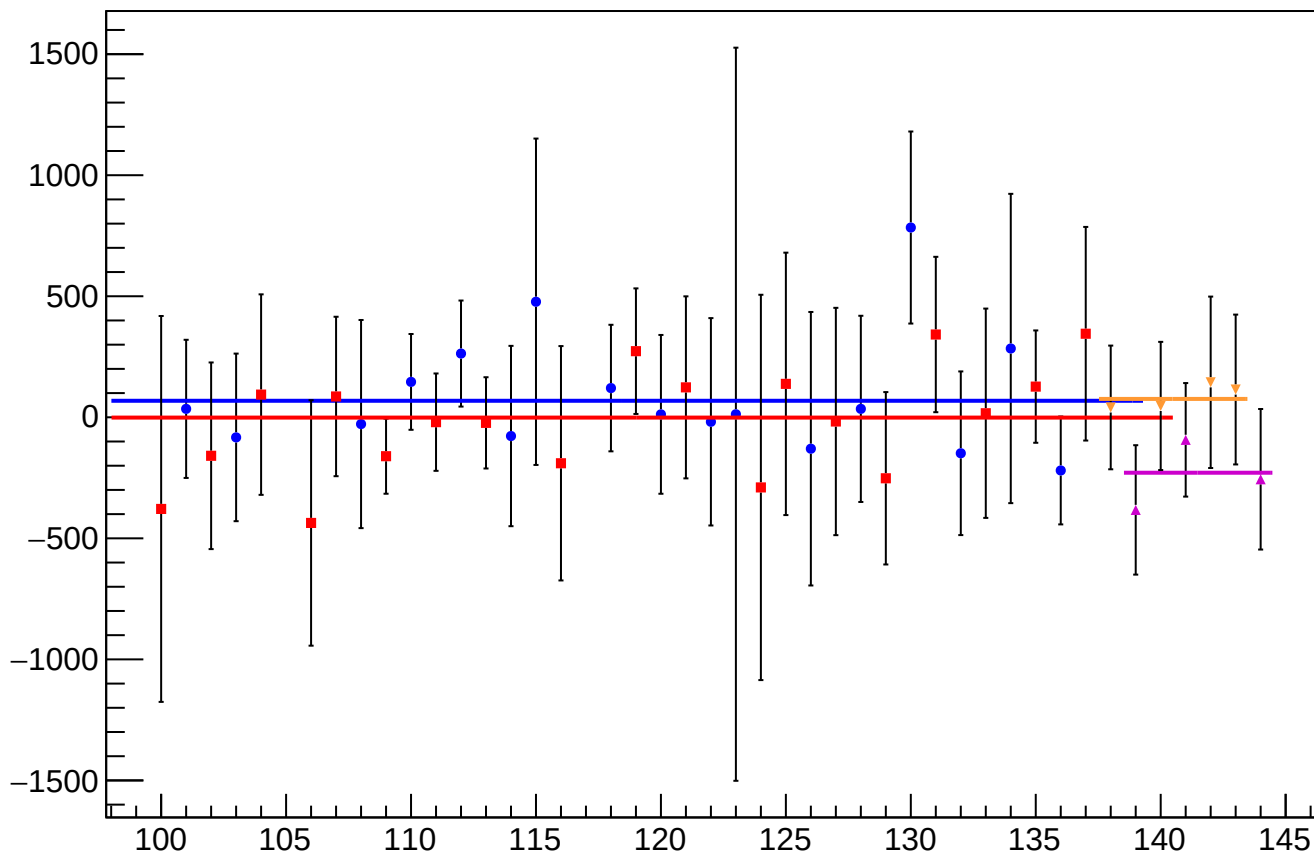
Right Out: 2456.343 $\pm$ 0.657 χ^2 /NDF: 149877.3/18

All: 2440.754 $\pm$ 0.401 χ^2 /NDF: 354582.8/42

- sign 2431.536 $\pm$ 0.563 χ^2 /NDF: 180041.1/21

Left In: 2362.938 $\pm$ 1.092 χ^2 /NDF: 24788.7/2

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: 75.902+/-144.324 χ^2/NDF : 0.1/3

Right Out: -1.201+/-69.991 χ^2/NDF : 6.5/18

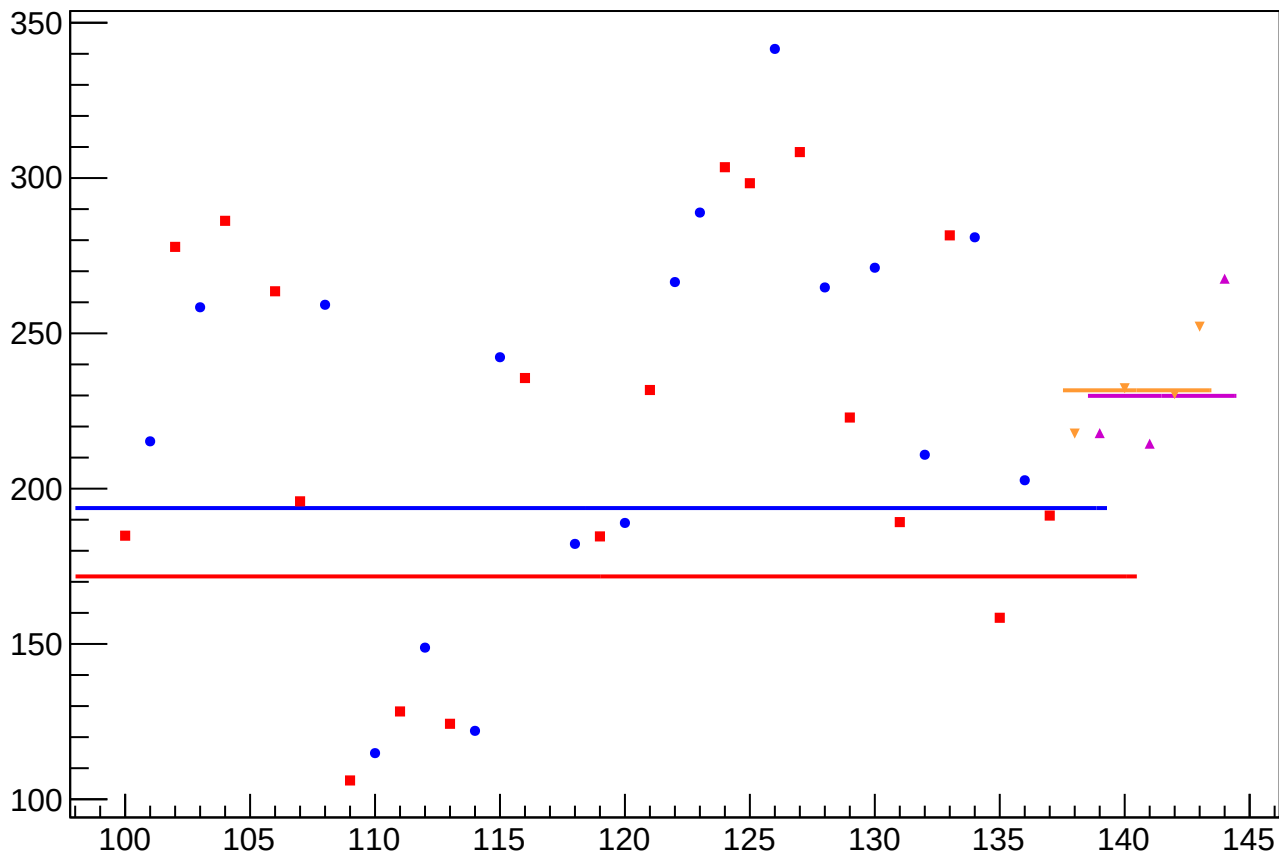
Left In: -228.981+/-150.672 χ^2/NDF : 0.7/2

+ sign 70.013+/-69.460 χ^2/NDF : 7.5/20

All: 9.178+/-46.857 χ^2/NDF : 17.9/42

- sign -41.628+/-63.476 χ^2/NDF : 9.0/21

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 193.749+/-0.056 χ^2/NDF : 1011115.2/16

Left Out: 231.662+/-0.102 χ^2/NDF : 14750.0/3

Right Out: 171.741+/-0.049 χ^2/NDF : 1571422.7/18

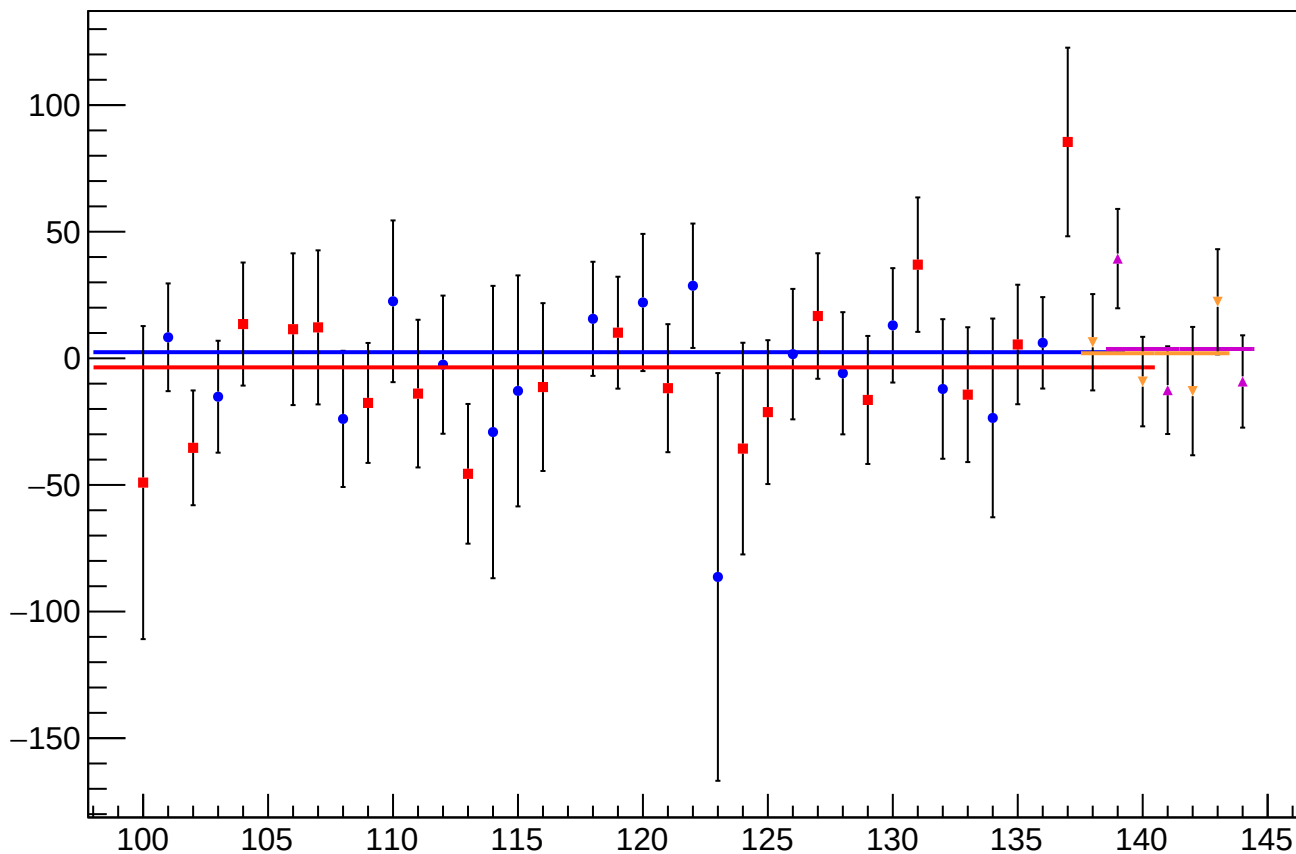
Left In: 229.878+/-0.107 χ^2/NDF : 46424.5/2

+ sign 202.531+/-0.049 χ^2/NDF : 1131913.3/20

All: 191.376+/-0.033 χ^2/NDF : 3089336.1/42

- sign 182.059+/-0.045 χ^2/NDF : 1862759.7/21

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: 2.010 ± 10.081 χ^2/NDF : 1.8/3

Right Out: -3.569 ± 6.294 χ^2/NDF : 17.1/18

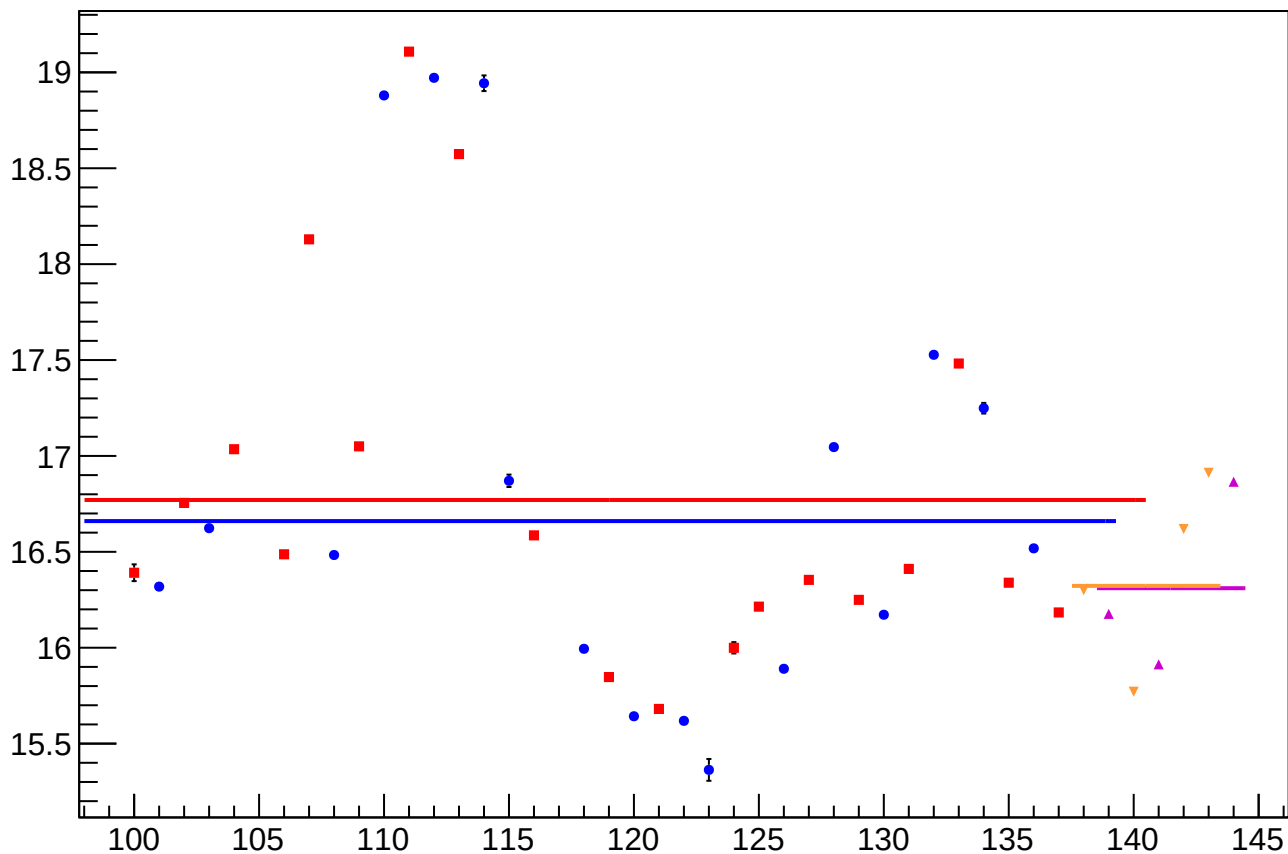
Left In: 3.685 ± 10.577 χ^2/NDF : 4.7/2

+ sign 2.303 ± 5.427 χ^2/NDF : 8.6/20

All: 0.309 ± 3.831 χ^2/NDF : 31.0/42

- sign -1.672 ± 5.409 χ^2/NDF : 22.2/21

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: 16.322 $\pm$ 0.007 χ^2 /NDF: 3837.9/3

Right Out: 16.770 $\pm$ 0.004 χ^2 /NDF: 39259.2/18

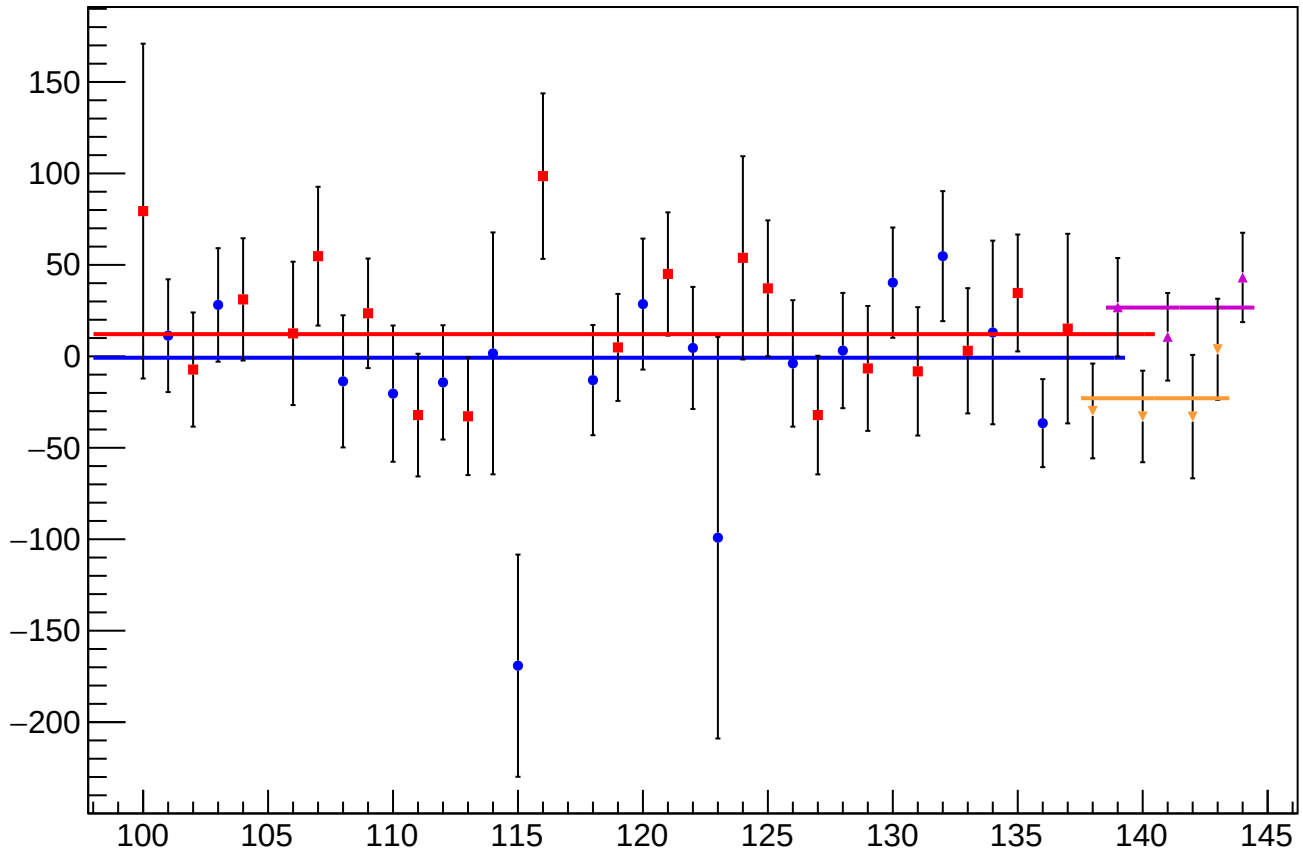
Left In: 16.310 $\pm$ 0.007 χ^2 /NDF: 2997.5/2

+ sign 16.562 $\pm$ 0.004 χ^2 /NDF: 47702.2/20

All: 16.606 $\pm$ 0.003 χ^2 /NDF: 93014.4/42

- sign 16.650 $\pm$ 0.004 χ^2 /NDF: 45050.2/21

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: -0.764 ± 8.505 $\chi^2/\text{NDF}: 17.6/16$

Left Out: -22.914 ± 13.772 $\chi^2/\text{NDF}: 1.3/3$

Right Out: 12.135 ± 8.228 $\chi^2/\text{NDF}: 15.1/18$

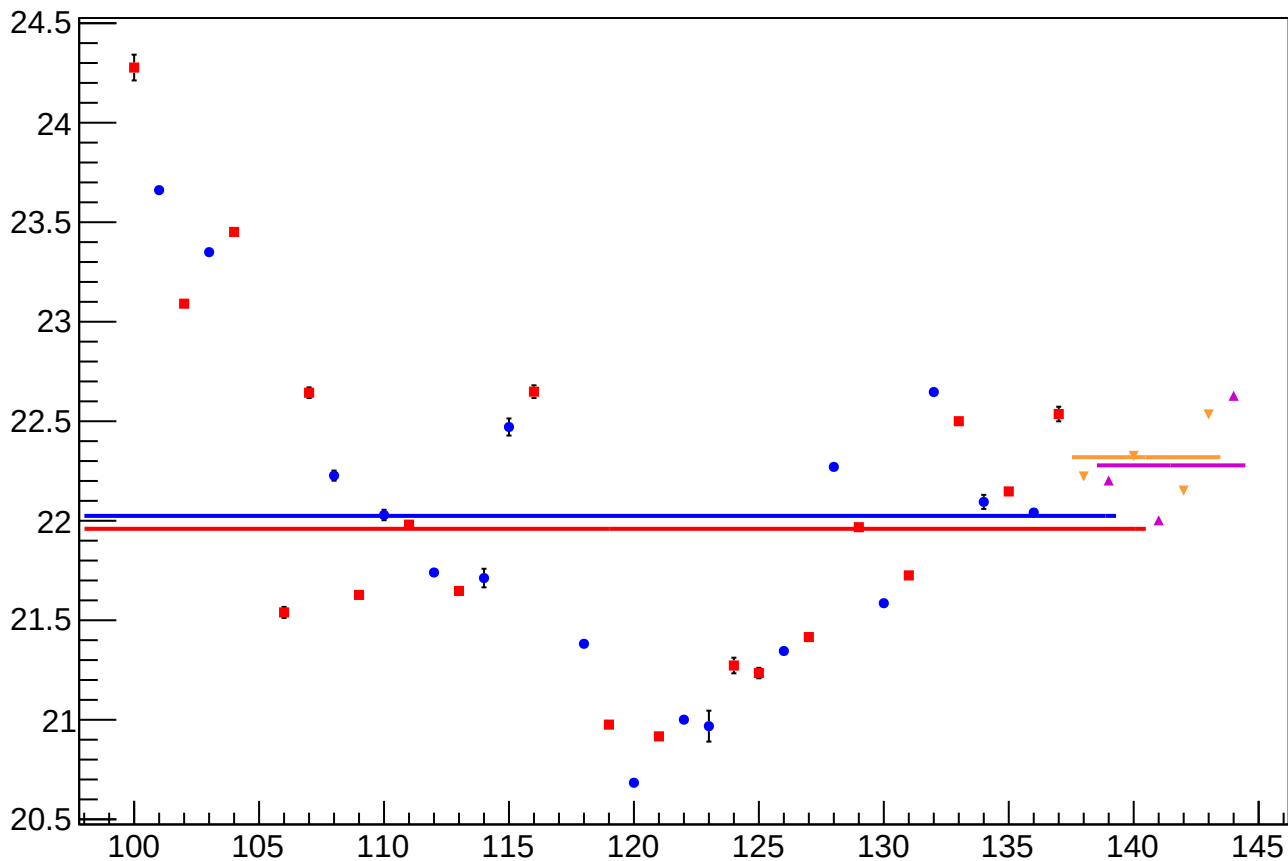
Left In: 26.666 ± 14.434 $\chi^2/\text{NDF}: 0.9/2$

+ sign -6.880 ± 7.237 $\chi^2/\text{NDF}: 20.7/20$

All: 4.548 ± 5.086 $\chi^2/\text{NDF}: 42.4/42$

- sign 15.699 ± 7.148 $\chi^2/\text{NDF}: 16.8/21$

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: 22.319 $\pm$ 0.010 χ^2 /NDF:198.5/3

Right Out: 21.960 $\pm$ 0.006 χ^2 /NDF: 16383.4/18

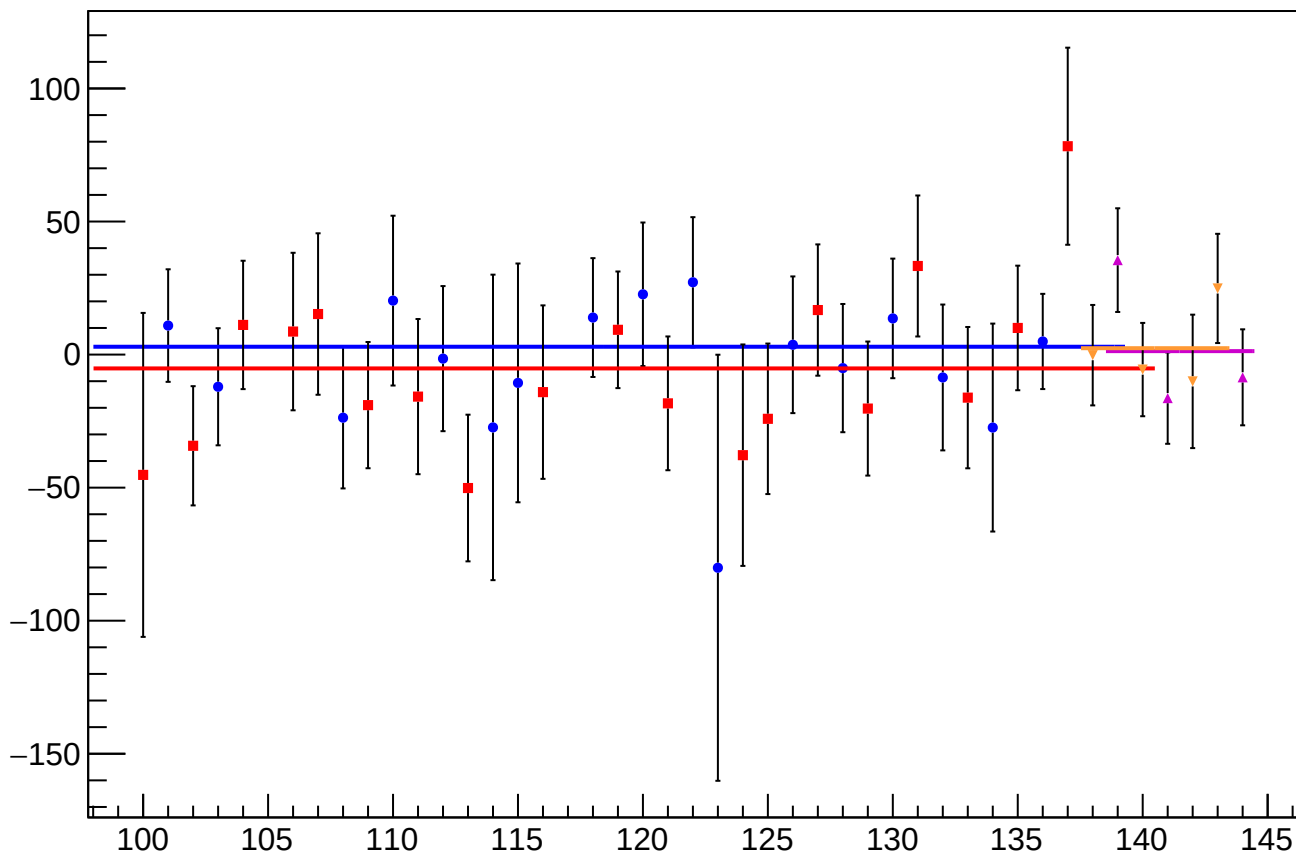
Left In: 22.278 $\pm$ 0.010 χ^2 /NDF:690.9/2

+ sign 22.106 $\pm$ 0.005 χ^2 /NDF: 18243.6/20

All: 22.071 $\pm$ 0.004 χ^2 /NDF: 36143.7/42

- sign 22.038 $\pm$ 0.005 χ^2 /NDF: 17810.3/21

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 2.948 ± 6.404 χ^2/NDF : 6.3/16

Left Out: 2.401 ± 9.988 χ^2/NDF : 1.7/3

Right Out: -5.199 ± 6.258 χ^2/NDF : 17.2/18

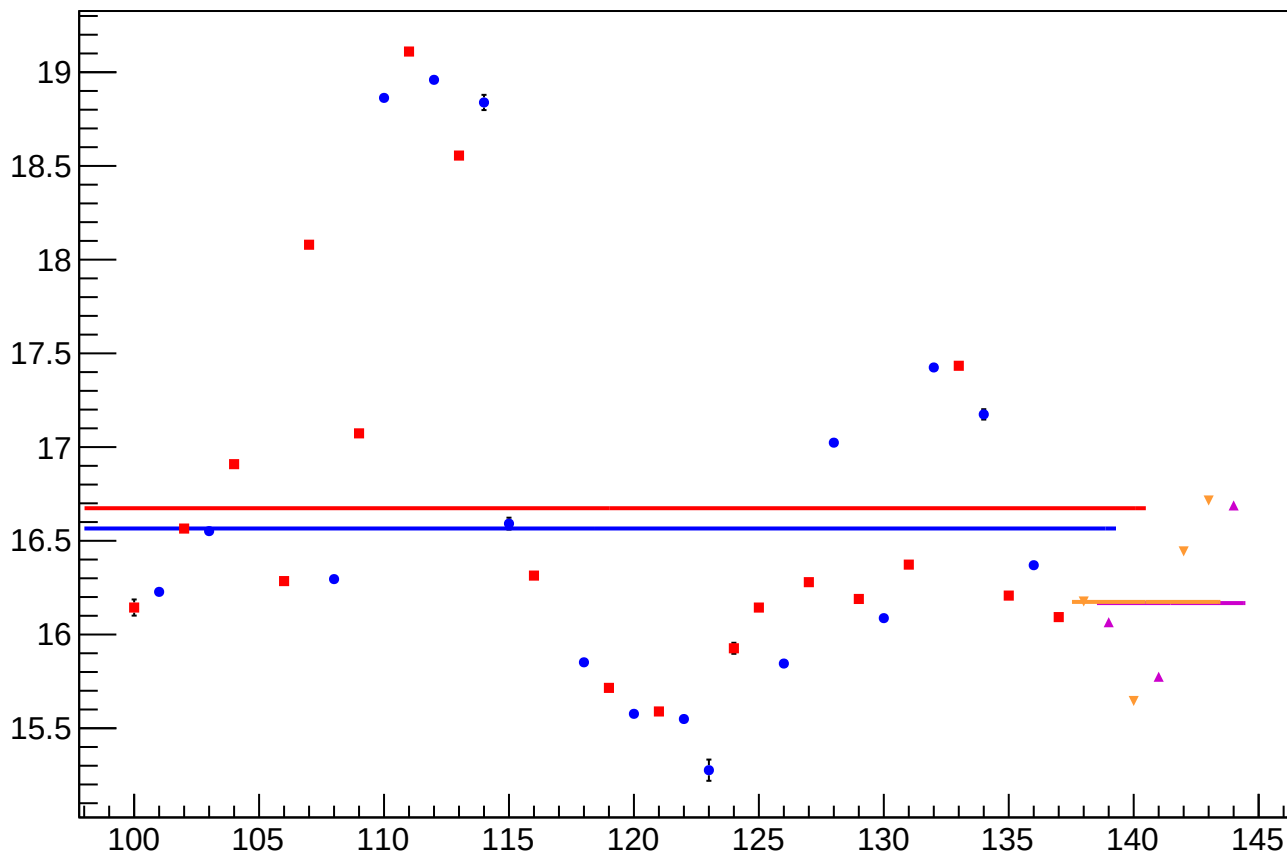
Left In: 1.298 ± 10.484 χ^2/NDF : 4.4/2

+ sign 2.789 ± 5.391 χ^2/NDF : 7.9/20

All: -0.362 ± 3.806 χ^2/NDF : 30.5/42

- sign -3.493 ± 5.374 χ^2/NDF : 21.9/21

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: 16.174 $\pm$ 0.007 χ^2 /NDF: 3438.5/3

Right Out: 16.674 $\pm$ 0.004 χ^2 /NDF: 42453.5/18

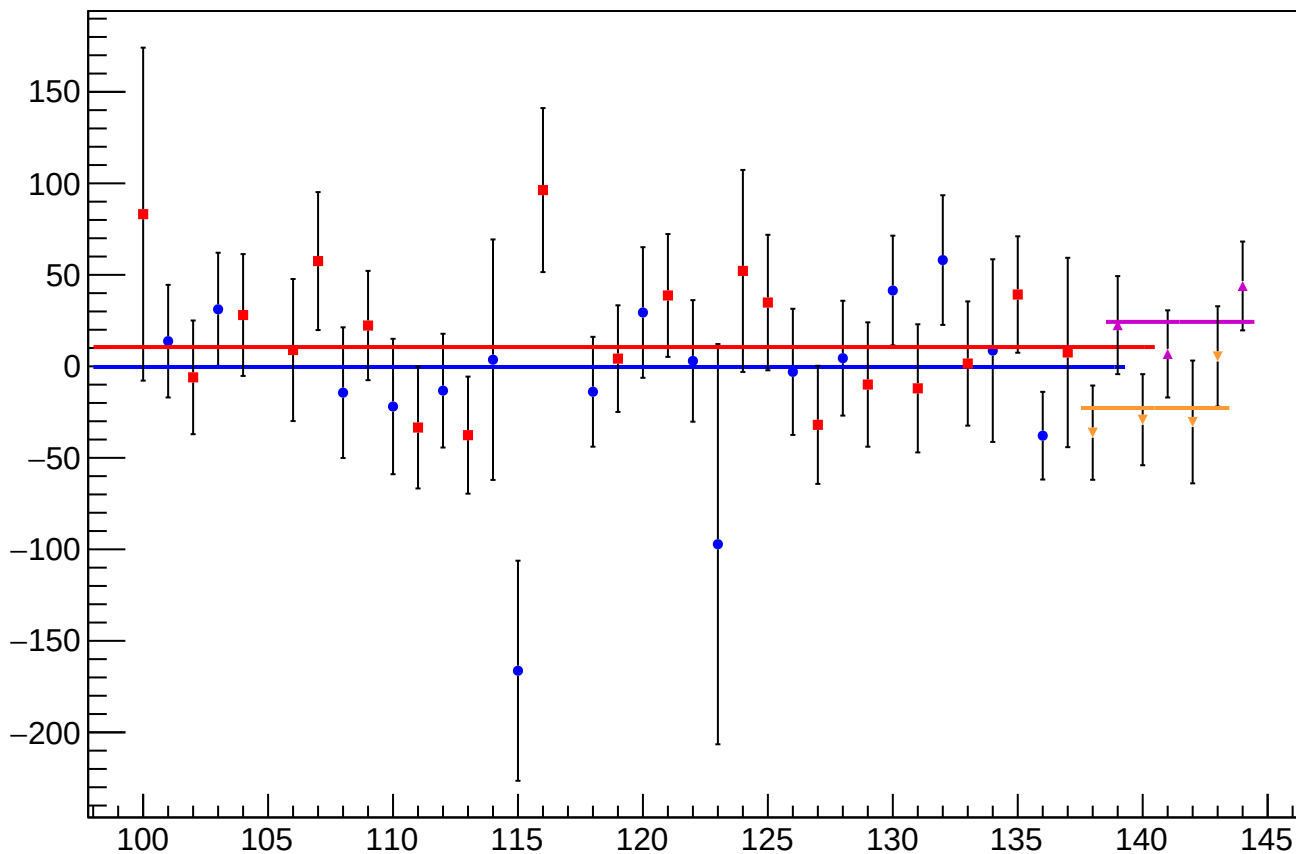
Left In: 16.168 $\pm$ 0.007 χ^2 /NDF: 2770.0/2

+ sign 16.452 $\pm$ 0.004 χ^2 /NDF: 49861.4/20

All: 16.496 $\pm$ 0.003 χ^2 /NDF: 98795.7/42

- sign 16.541 $\pm$ 0.004 χ^2 /NDF: 48659.3/21

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: -22.758 ± 13.685 χ^2/NDF : 1.4/3

Right Out: 10.548 ± 8.187 χ^2/NDF : 15.7/18

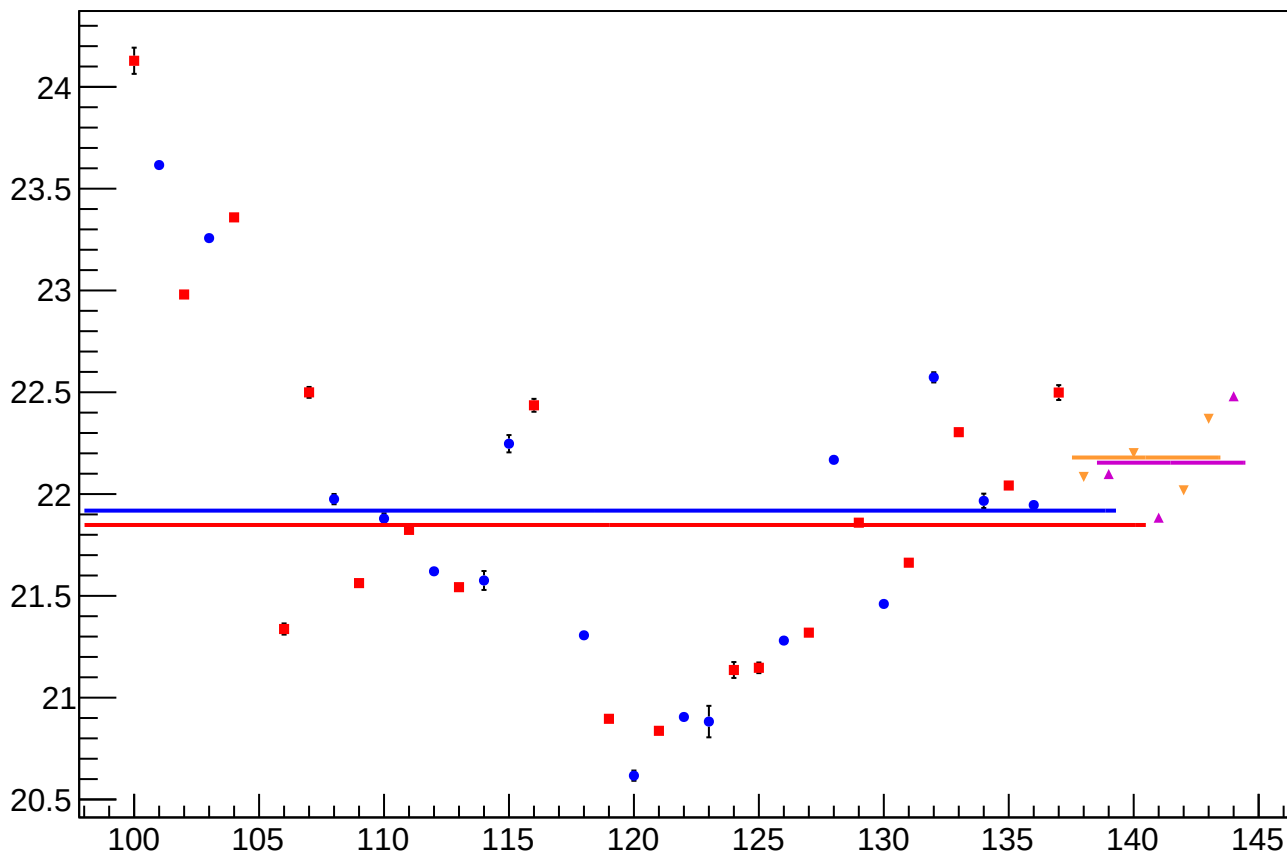
Left In: 24.296 ± 14.353 χ^2/NDF : 1.2/2

+ sign -6.556 ± 7.199 χ^2/NDF : 21.8/20

All: 3.809 ± 5.059 χ^2/NDF : 43.5/42

- sign 13.923 ± 7.111 χ^2/NDF : 17.6/21

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.919+/-0.006 χ^2/NDF : 17641.8/16

Left Out: 22.180+/-0.010 χ^2/NDF : 171.2/3

Right Out: 21.848+/-0.006 χ^2/NDF : 16031.9/18

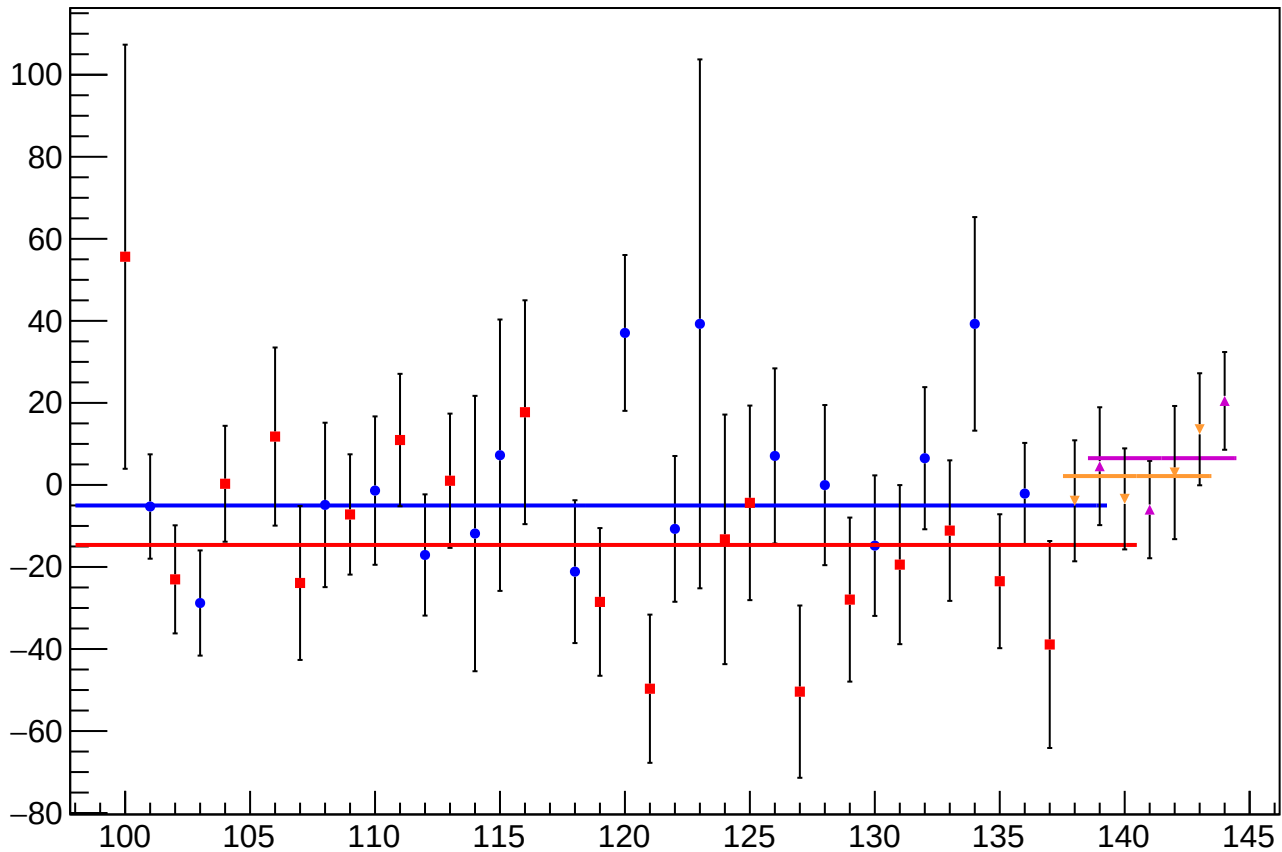
Left In: 22.154+/-0.010 χ^2/NDF : 627.3/2

+ sign 21.991+/-0.005 χ^2/NDF : 18338.8/20

All: 21.957+/-0.004 χ^2/NDF : 35772.9/42

- sign 21.923+/-0.005 χ^2/NDF : 17344.9/21

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.010 ± 4.334 χ^2/NDF : 14.8/16

Left Out: 2.162 ± 7.011 χ^2/NDF : 1.1/3

Right Out: -14.630 ± 4.270 χ^2/NDF : 19.4/18

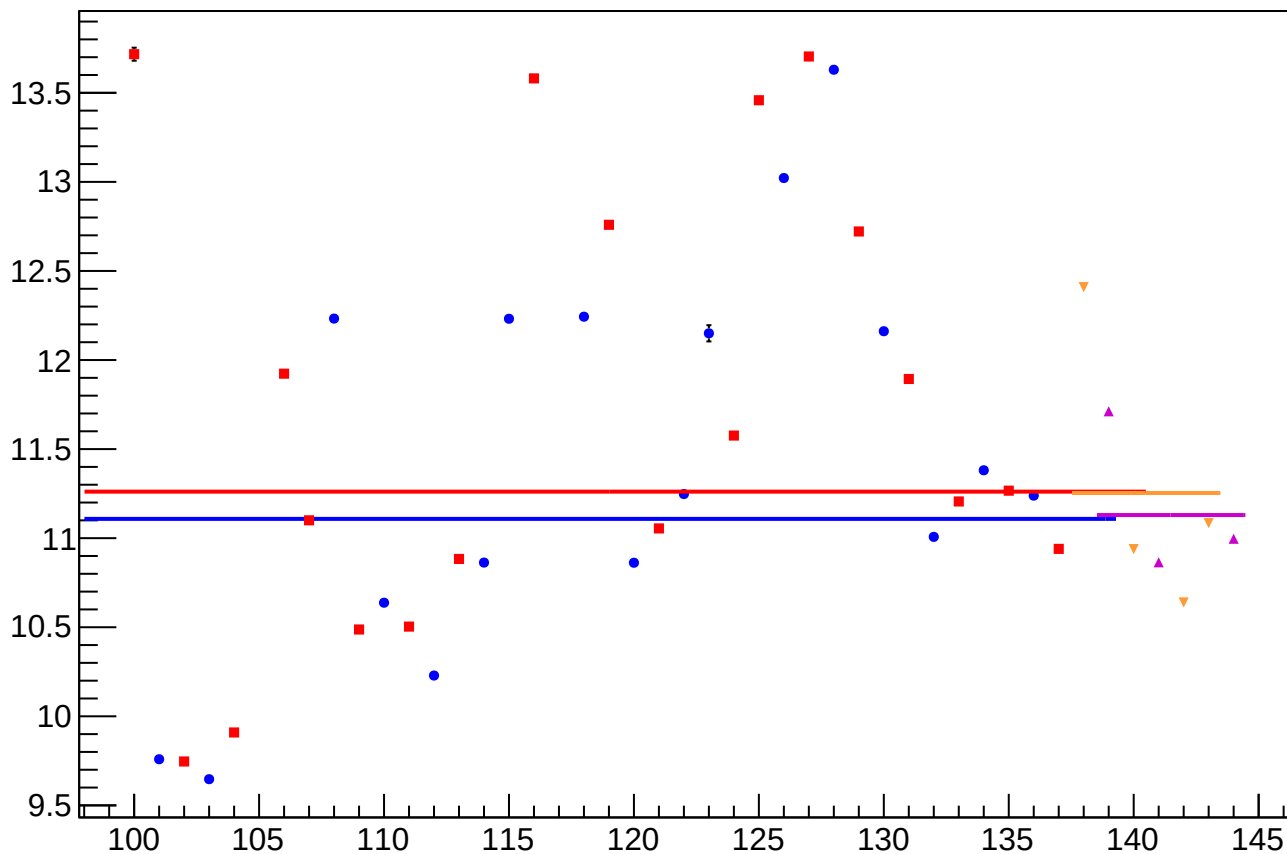
Left In: 6.525 ± 7.258 χ^2/NDF : 2.5/2

+ sign -3.027 ± 3.686 χ^2/NDF : 16.6/20

All: -6.113 ± 2.605 χ^2/NDF : 46.2/42

- sign -9.190 ± 3.680 χ^2/NDF : 28.2/21

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: 11.253 $\pm$ 0.005 χ^2 /NDF: 16756.0/3

Right Out: 11.261 $\pm$ 0.003 χ^2 /NDF: 148448.6/18

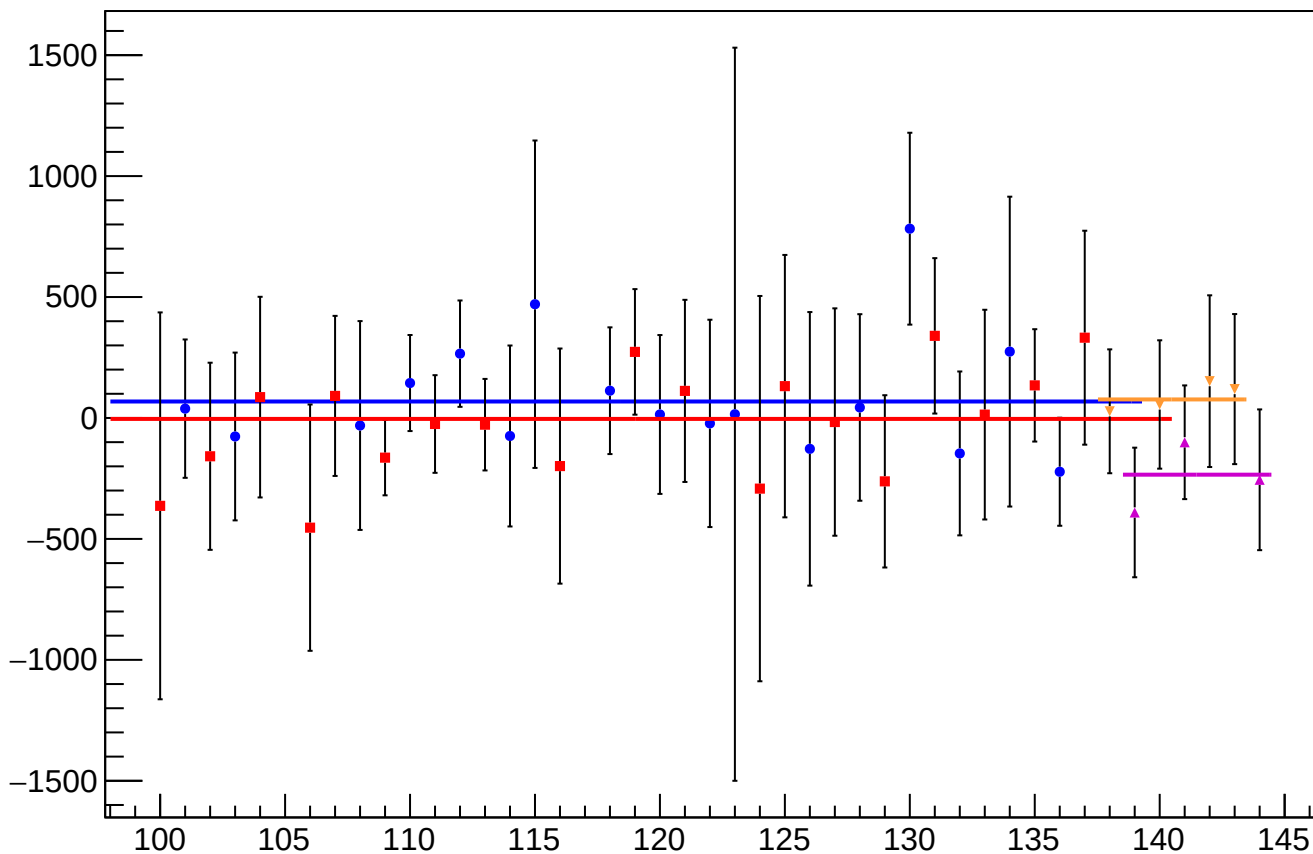
Left In: 11.130 $\pm$ 0.005 χ^2 /NDF: 4534.4/2

+ sign 11.148 $\pm$ 0.003 χ^2 /NDF: 149971.5/20

All: 11.188 $\pm$ 0.002 χ^2 /NDF: 303900.7/42

- sign 11.227 $\pm$ 0.003 χ^2 /NDF: 153469.5/21

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 68.114+/-79.449 χ^2/NDF : 7.4/16

Left Out: 76.636+/-144.668 χ^2/NDF : 0.1/3

Right Out: -3.876+/-70.195 χ^2/NDF : 6.5/18

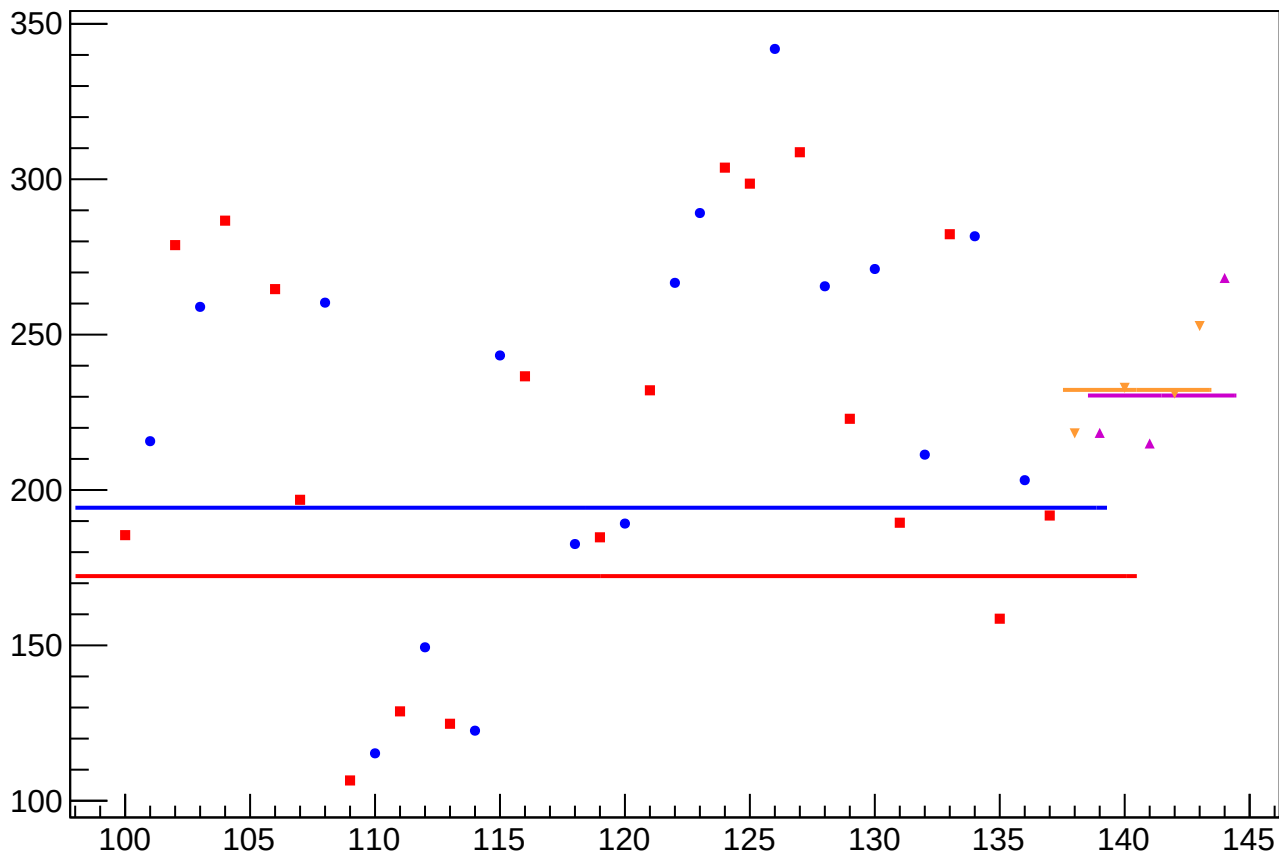
Left In: -234.445+/-151.019 χ^2/NDF : 0.7/2

+ sign 70.089+/-69.639 χ^2/NDF : 7.5/20

All: 7.475+/-46.984 χ^2/NDF : 18.1/42

- sign -44.839+/-63.654 χ^2/NDF : 9.1/21

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: 232.213 $\pm$ 0.102 χ^2 /NDF:14779.3/3

Right Out: 172.293 $\pm$ 0.050 χ^2 /NDF: 1564135.2/18

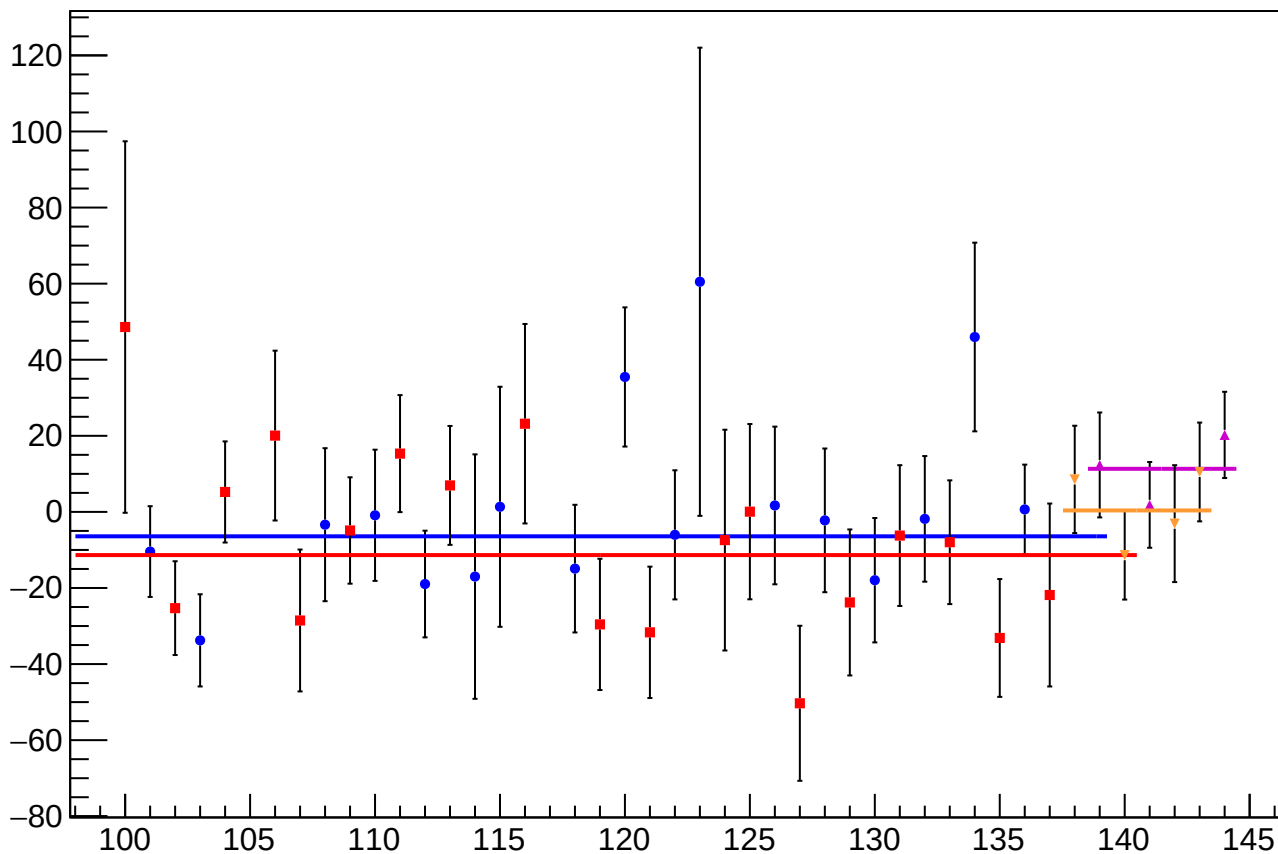
Left In: 230.406 $\pm$ 0.107 χ^2 /NDF:46460.7/2

+ sign 203.083 $\pm$ 0.049 χ^2 /NDF: 1126540.0/20

All: 191.933 $\pm$ 0.033 χ^2 /NDF: 3074782.2/42

- sign 182.617 $\pm$ 0.045 χ^2 /NDF: 1854131.3/21

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.419 $\pm$ 4.138 χ^2/NDF : 18.6/16

Left Out: 0.384 $\pm$ 6.663 χ^2/NDF : 2.0/3

Right Out: -11.351 $\pm$ 4.084 χ^2/NDF : 22.6/18

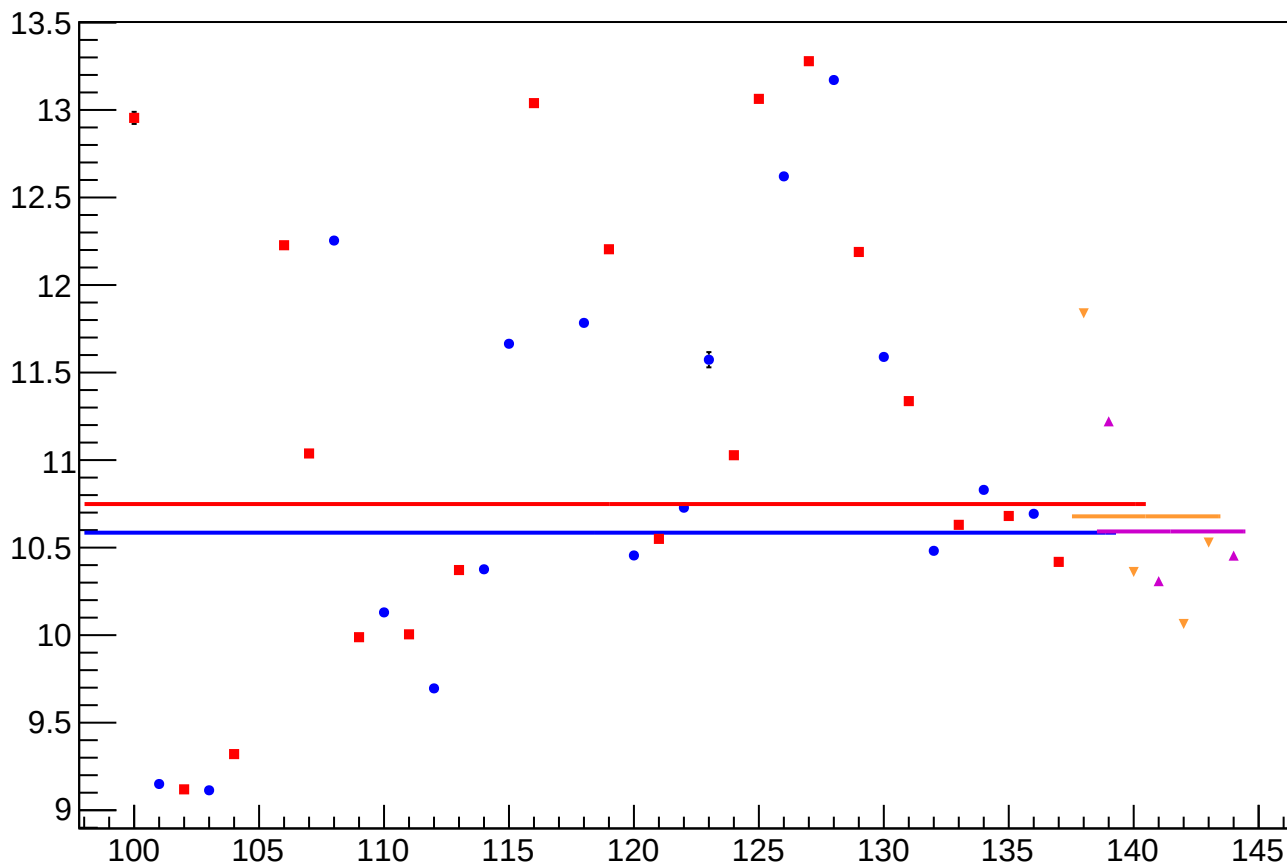
Left In: 11.329 $\pm$ 6.915 χ^2/NDF : 1.3/2

+ sign -4.525 $\pm$ 3.515 χ^2/NDF : 21.3/20

All: -5.005 $\pm$ 2.486 χ^2/NDF : 53.3/42

- sign -5.485 $\pm$ 3.517 χ^2/NDF : 31.9/21

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: 10.679 $\pm$ 0.005 χ^2/NDF : 18455.6/3

Right Out: 10.749 $\pm$ 0.003 χ^2/NDF : 177905.9/18

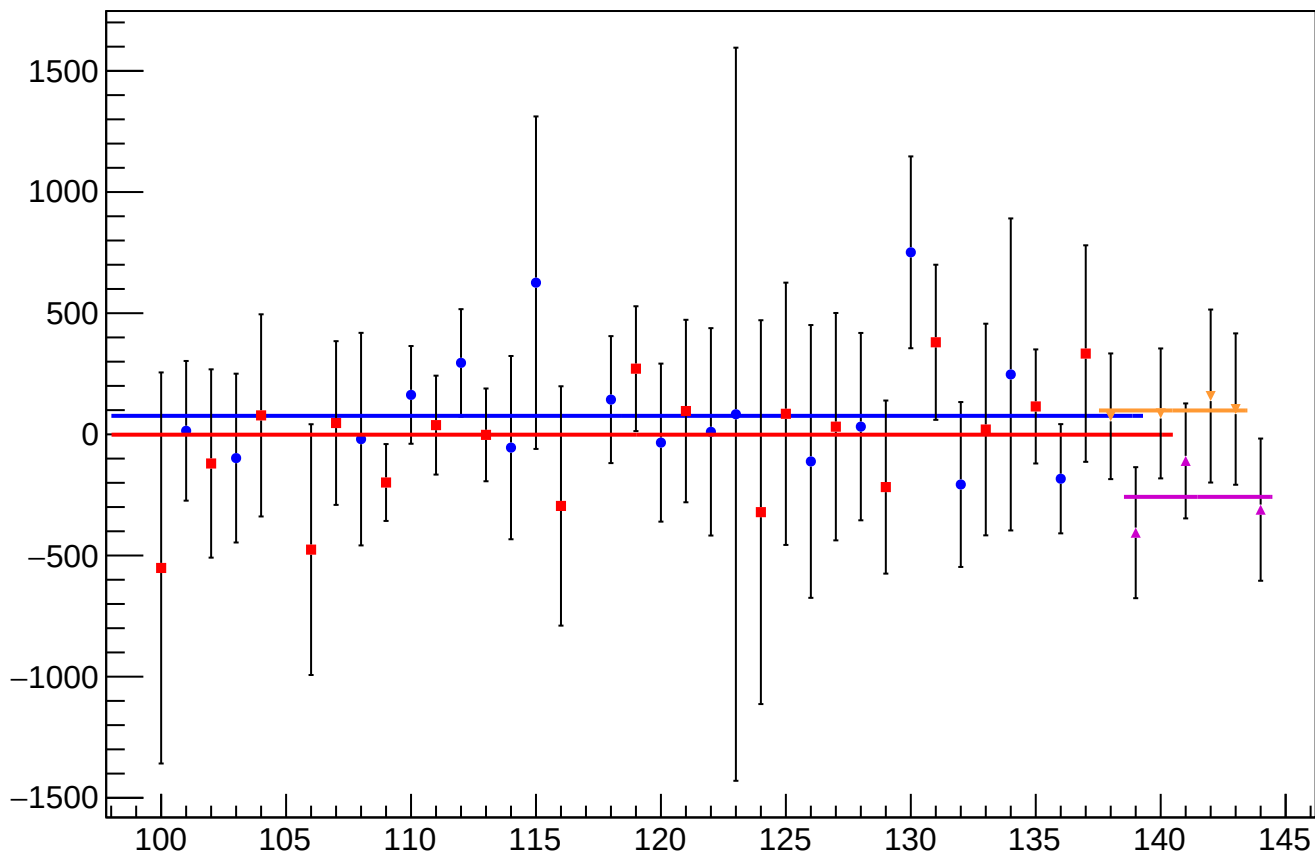
Left In: 10.592 $\pm$ 0.005 χ^2/NDF : 5727.6/2

+ sign 10.611 $\pm$ 0.002 χ^2/NDF : 178552.0/20

All: 10.660 $\pm$ 0.002 χ^2/NDF : 363707.3/42

- sign 10.708 $\pm$ 0.002 χ^2/NDF : 184393.0/21

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: 98.579 $\pm$ 146.063 χ^2 /NDF: 0.0/3

Right Out: -1.355 $\pm$ 70.867 χ^2 /NDF: 7.4/18

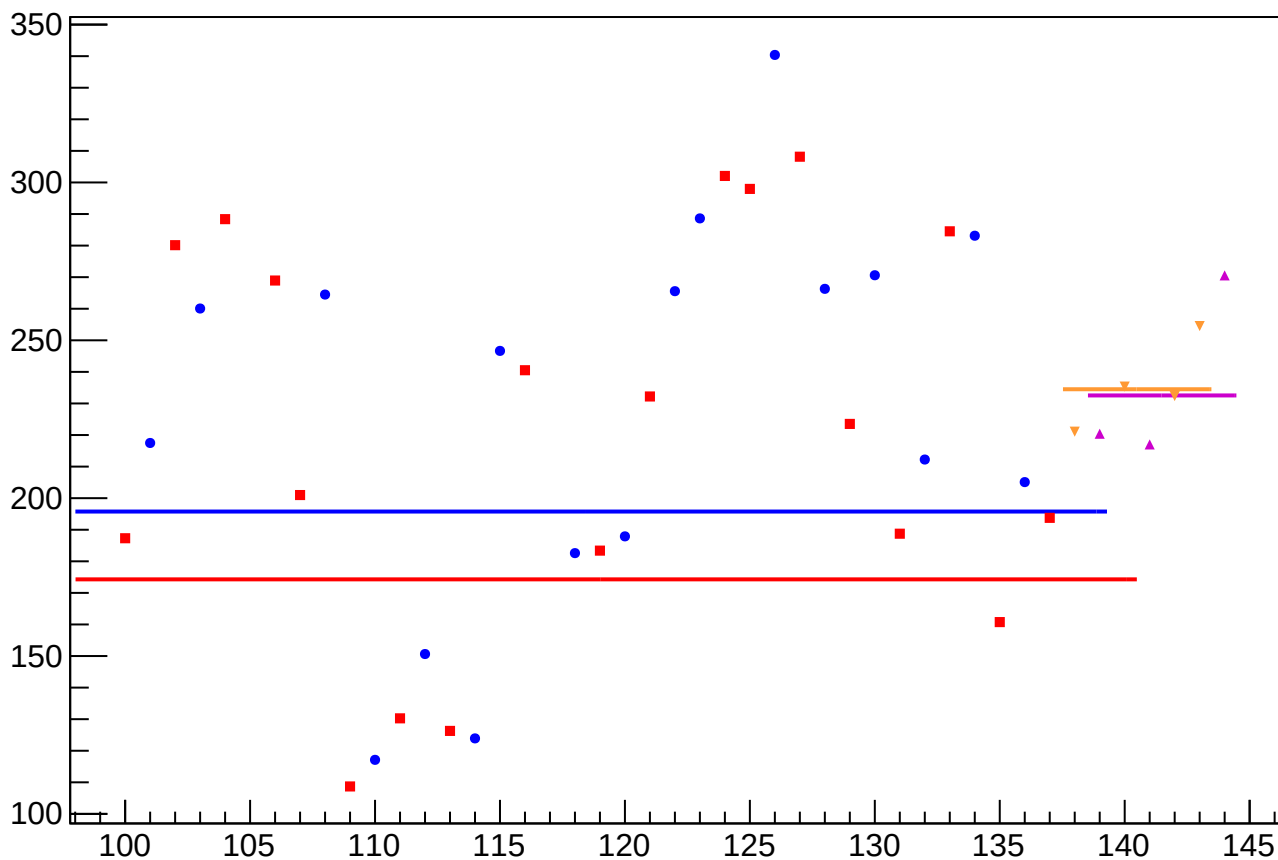
Left In: -257.952 $\pm$ 152.394 χ^2 /NDF: 0.7/2

+ sign 81.512 $\pm$ 70.144 χ^2 /NDF: 7.6/20

All: 11.652 $\pm$ 47.382 χ^2 /NDF: 19.9/42

- sign -46.978 $\pm$ 64.259 χ^2 /NDF: 10.4/21

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: 234.502 $\pm$ 0.103 χ^2 /NDF:13673.8/3

Right Out: 174.286 $\pm$ 0.050 χ^2 /NDF: 1523733.5/18

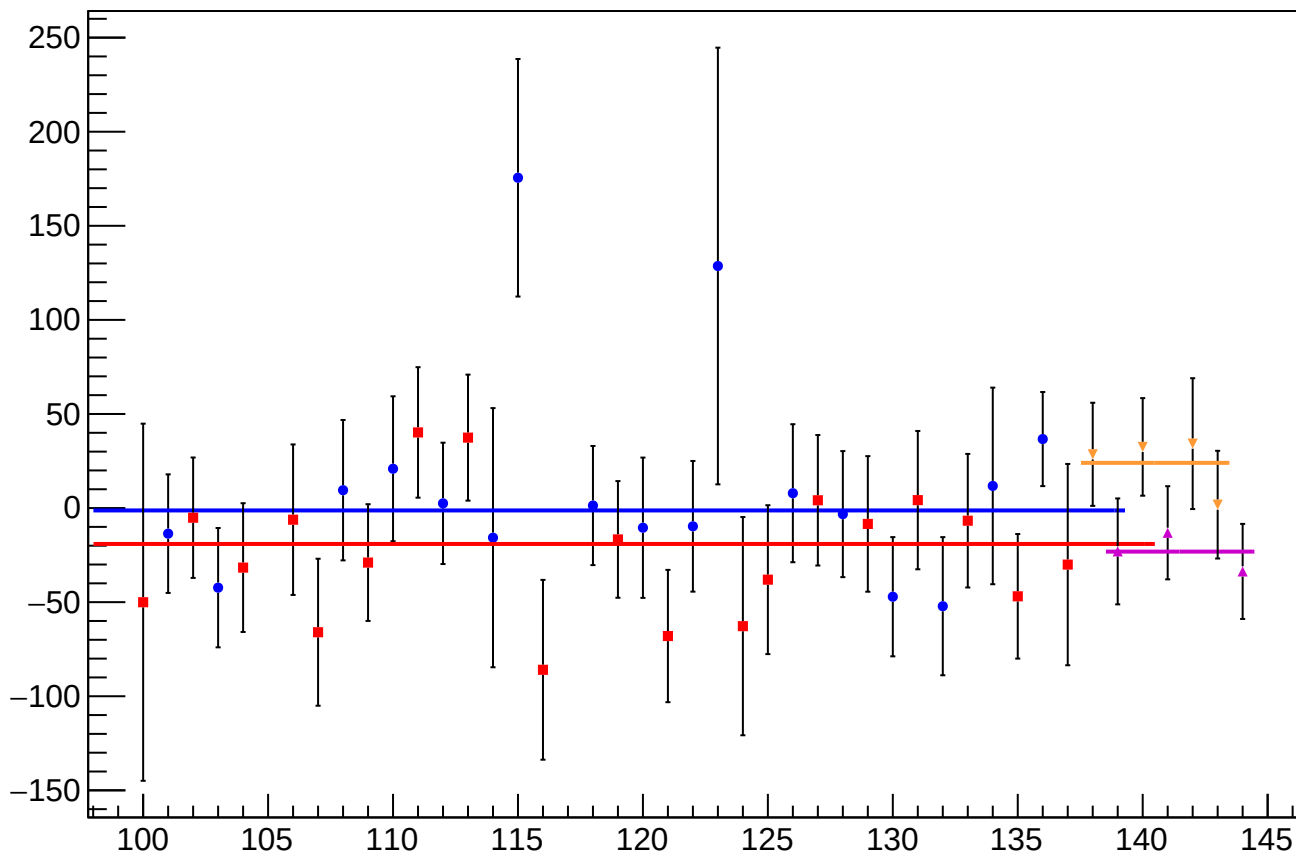
Left In: 232.539 $\pm$ 0.108 χ^2 /NDF:46155.9/2

+ sign 204.699 $\pm$ 0.050 χ^2 /NDF: 1102810.0/20

All: 193.795 $\pm$ 0.034 χ^2 /NDF: 3001875.5/42

- sign 184.643 $\pm$ 0.045 χ^2 /NDF: 1810167.1/21

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -1.260 ± 8.846 χ^2/NDF : 18.0/16

Left Out: 24.024 ± 14.331 χ^2/NDF : 0.8/3

Right Out: -19.071 ± 8.572 χ^2/NDF : 14.4/18

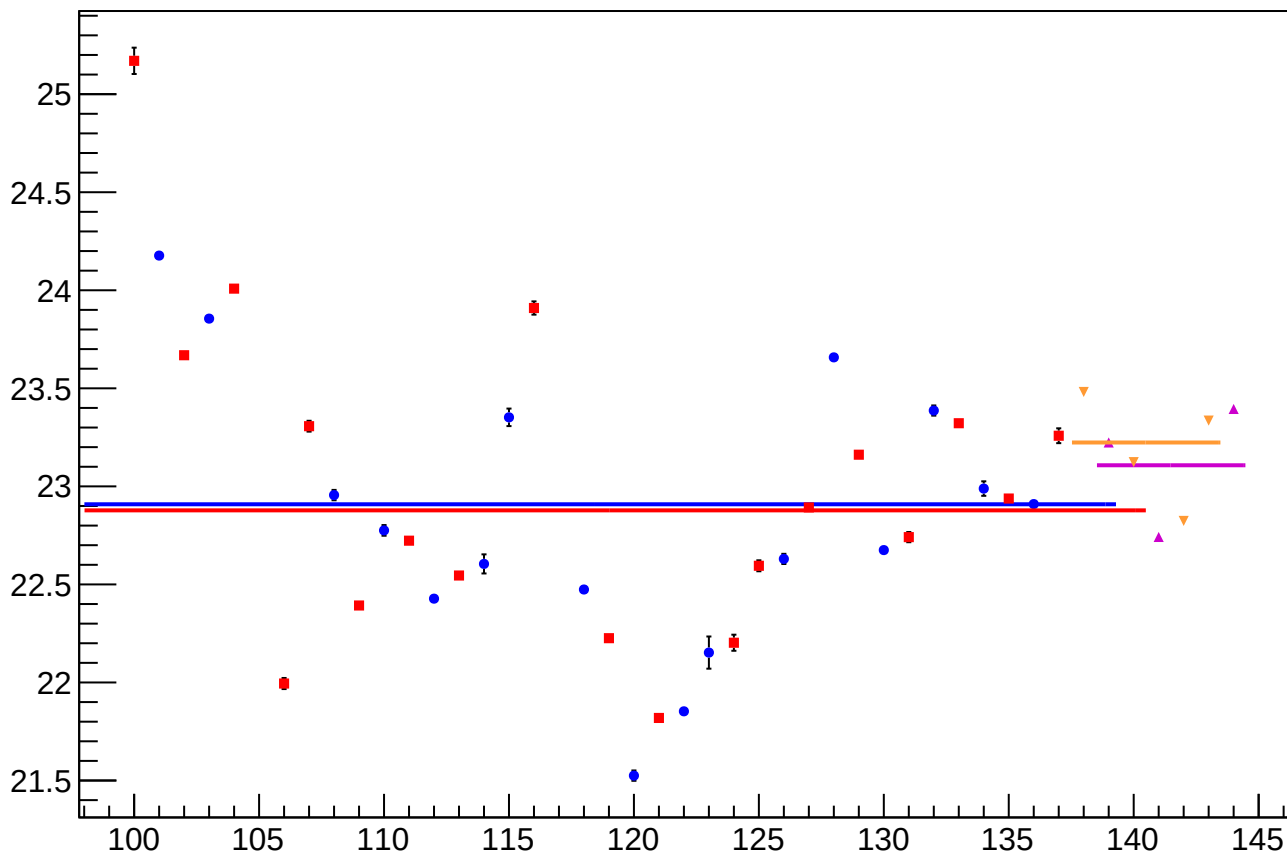
Left In: -23.144 ± 14.971 χ^2/NDF : 0.3/2

+ sign 5.715 ± 7.528 χ^2/NDF : 21.0/20

All: -7.333 ± 5.291 χ^2/NDF : 41.7/42

- sign -20.076 ± 7.439 χ^2/NDF : 14.8/21

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.909 $\pm$ 0.006 χ^2 /NDF: 12270.5/16

Left Out: 23.224 $\pm$ 0.010 χ^2 /NDF: 501.9/3

Right Out: 22.878 $\pm$ 0.006 χ^2 /NDF: 11094.4/18

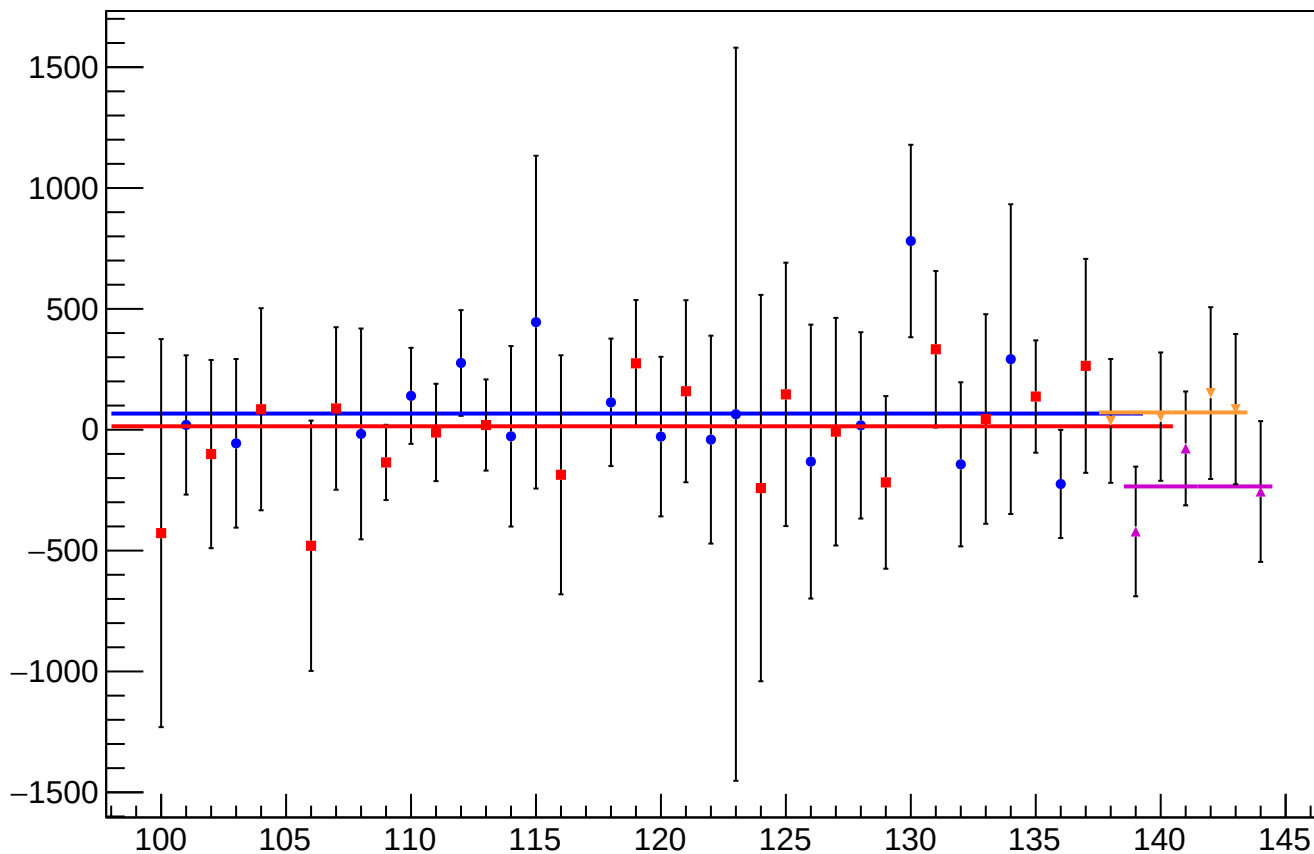
Left In: 23.108 $\pm$ 0.011 χ^2 /NDF: 728.9/2

+ sign 22.996 $\pm$ 0.005 χ^2 /NDF: 13472.3/20

All: 22.965 $\pm$ 0.004 χ^2 /NDF: 25717.9/42

- sign 22.934 $\pm$ 0.005 χ^2 /NDF: 12178.7/21

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: 71.533 $\pm$ 144.804 χ^2 /NDF: 0.1/3

Right Out: 14.253 $\pm$ 70.367 χ^2 /NDF: 5.8/18

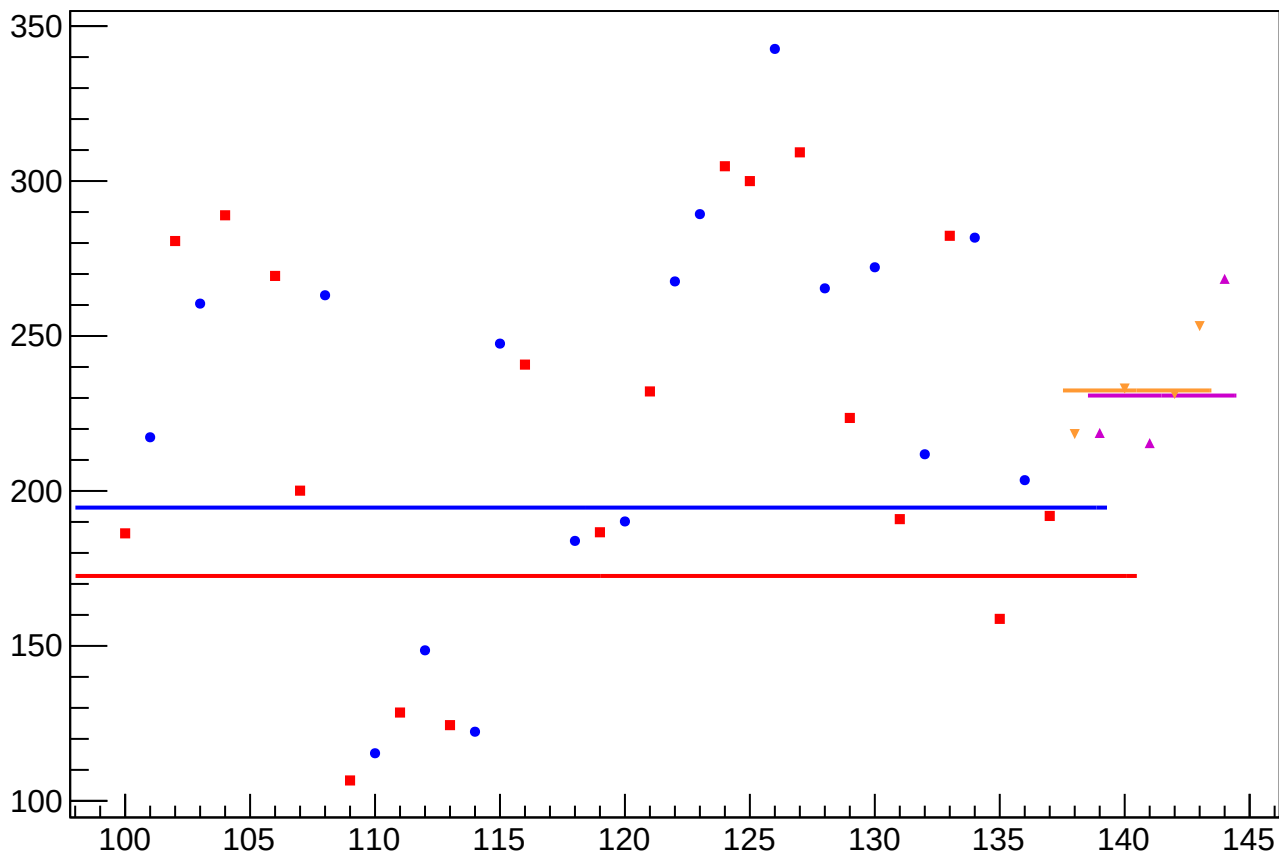
Left In: -234.510 $\pm$ 151.255 χ^2 /NDF: 0.9/2

+ sign 68.024 $\pm$ 69.772 χ^2 /NDF: 7.4/20

All: 14.634 $\pm$ 47.084 χ^2 /NDF: 17.4/42

- sign -30.008 $\pm$ 63.801 χ^2 /NDF: 8.9/21

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.633 $\pm$ 0.056 χ^2/NDF : 1020982.9/16

Left Out: 232.427 $\pm$ 0.102 χ^2/NDF : 14993.1/3

Right Out: 172.571 $\pm$ 0.050 χ^2/NDF : 1591230.2/18

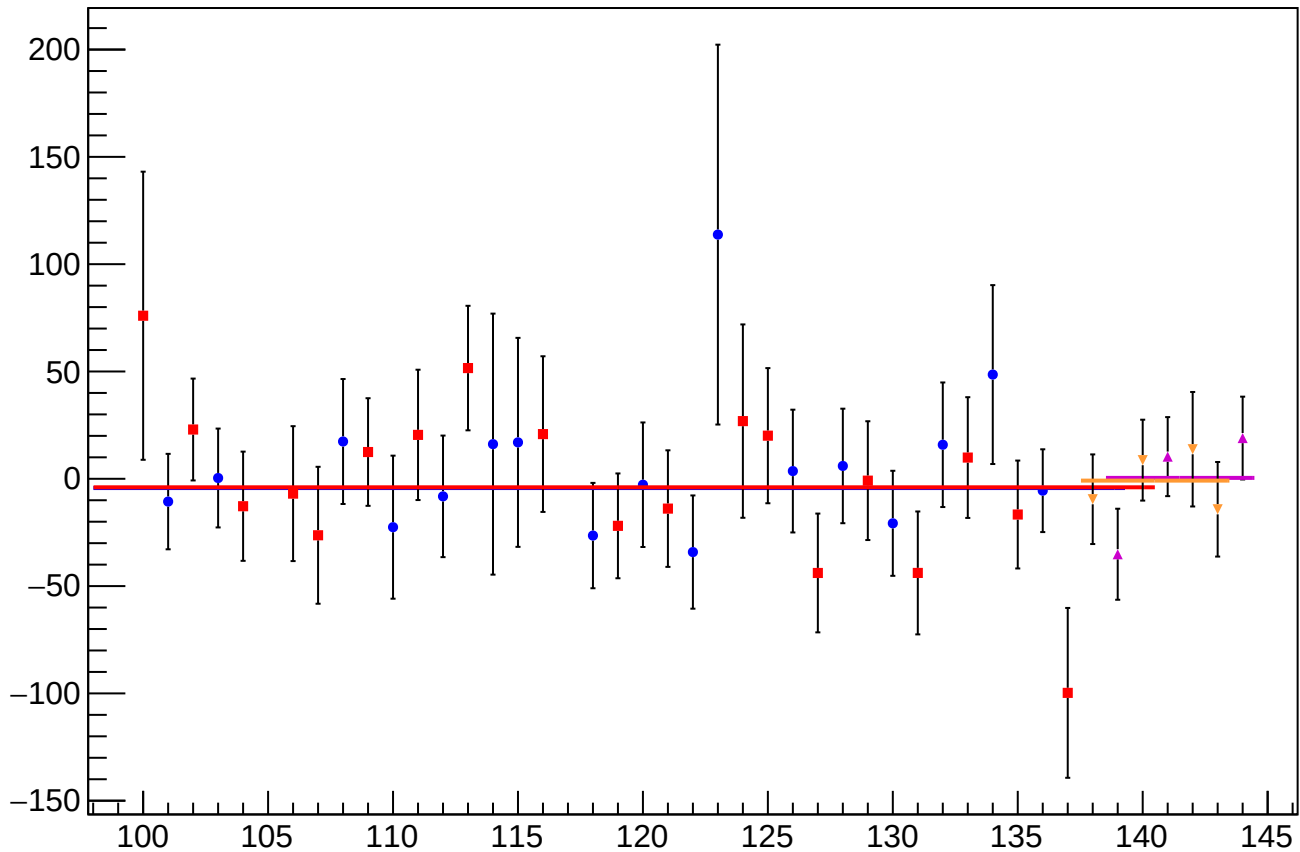
Left In: 230.784 $\pm$ 0.107 χ^2/NDF : 45983.2/2

+ sign 203.408 $\pm$ 0.049 χ^2/NDF : 1140587.7/20

All: 192.254 $\pm$ 0.033 χ^2/NDF : 3115184.5/42

- sign 182.928 $\pm$ 0.045 χ^2/NDF : 1880756.3/21

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: -0.849 ± 10.801 χ^2/NDF : 1.1/3

Right Out: -3.970 ± 6.740 χ^2/NDF : 20.7/18

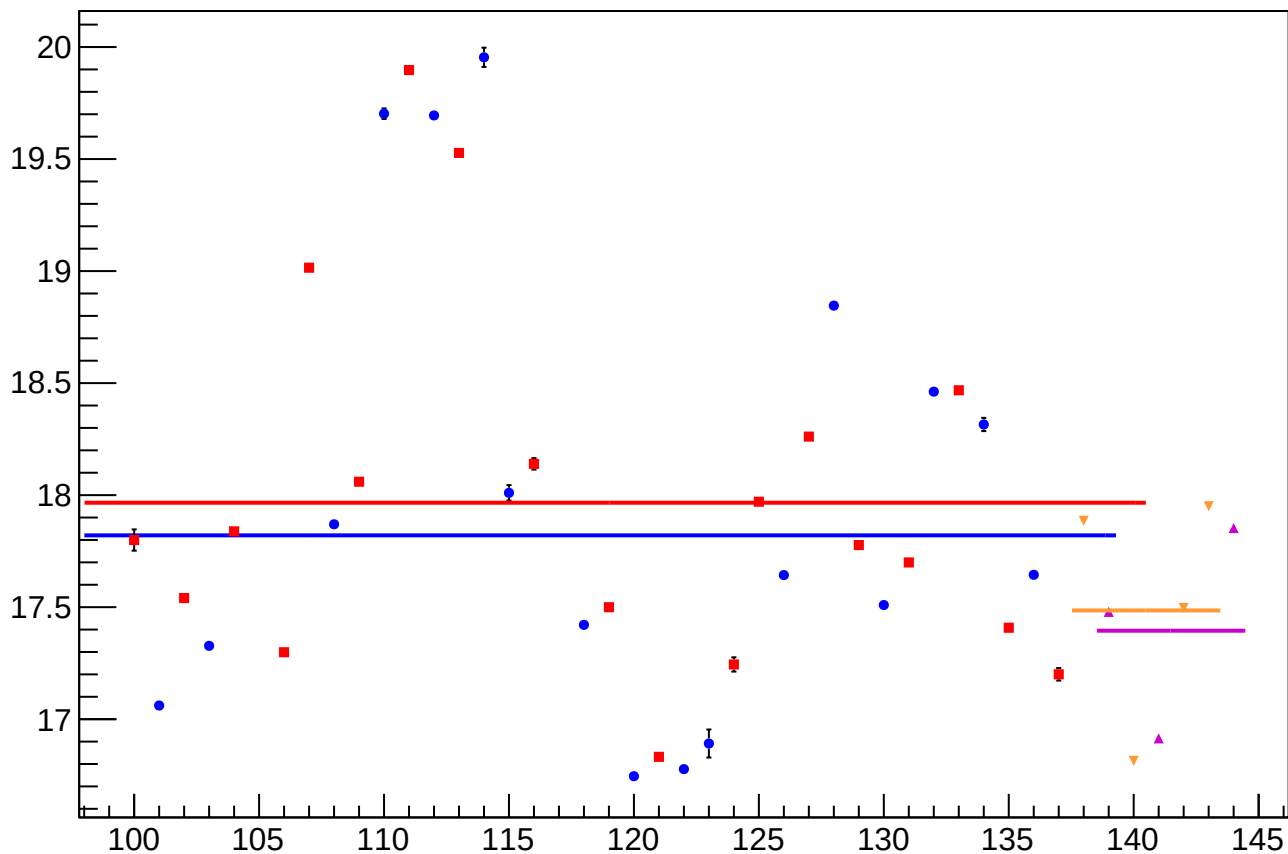
Left In: 0.417 ± 11.280 χ^2/NDF : 4.0/2

+ sign -3.313 ± 5.807 χ^2/NDF : 9.1/20

All: -3.064 ± 4.099 χ^2/NDF : 33.9/42

- sign -2.816 ± 5.786 χ^2/NDF : 24.8/21

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: 17.485 $\pm$ 0.008 χ^2/NDF : 4161.5/3

Right Out: 17.966 $\pm$ 0.005 χ^2/NDF : 25320.4/18

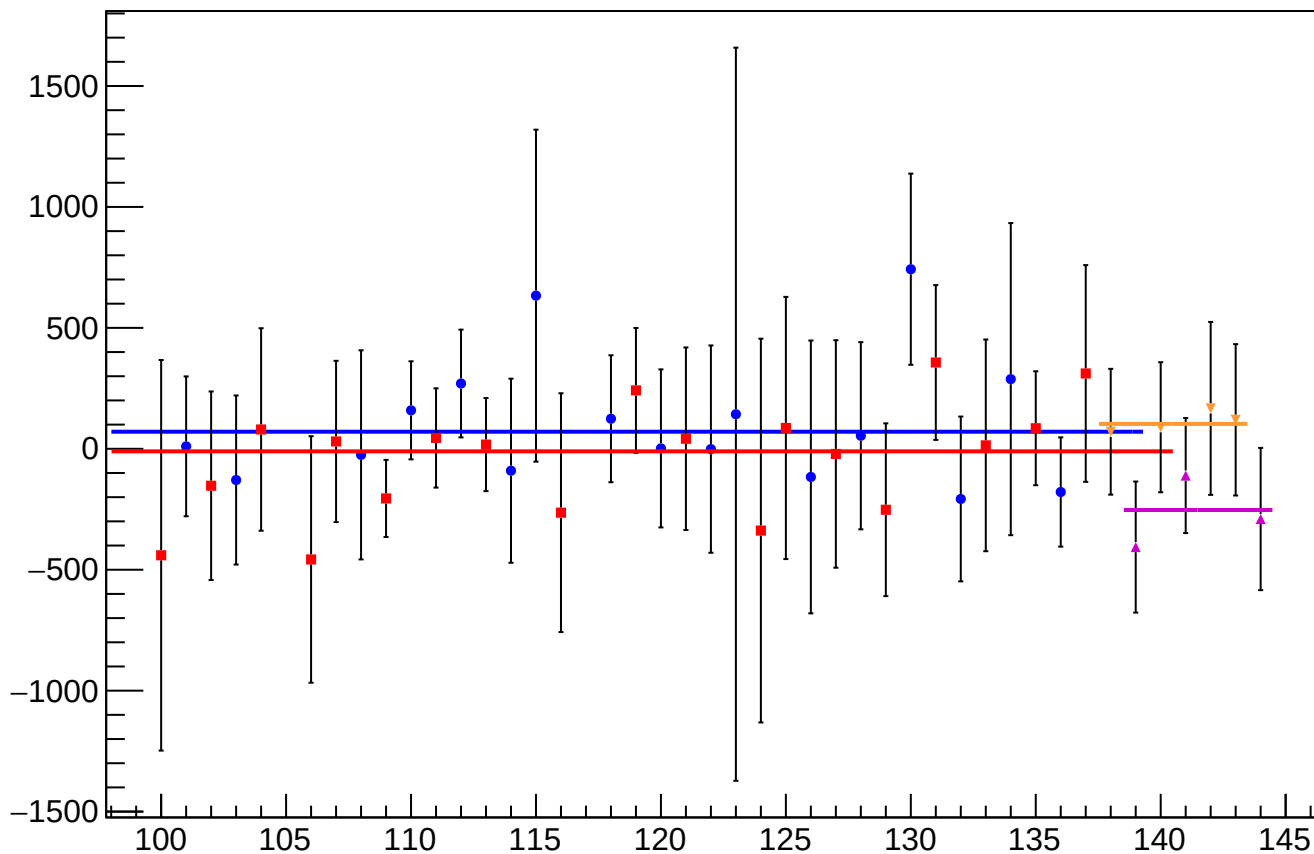
Left In: 17.395 $\pm$ 0.008 χ^2/NDF : 2522.2/2

+ sign 17.724 $\pm$ 0.004 χ^2/NDF : 37814.0/20

All: 17.770 $\pm$ 0.003 χ^2/NDF : 69688.4/42

- sign 17.816 $\pm$ 0.004 χ^2/NDF : 31621.2/21

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: 103.025+/-146.392 χ^2/NDF : 0.1/3

Right Out: -10.558+/-71.025 χ^2/NDF : 6.7/18

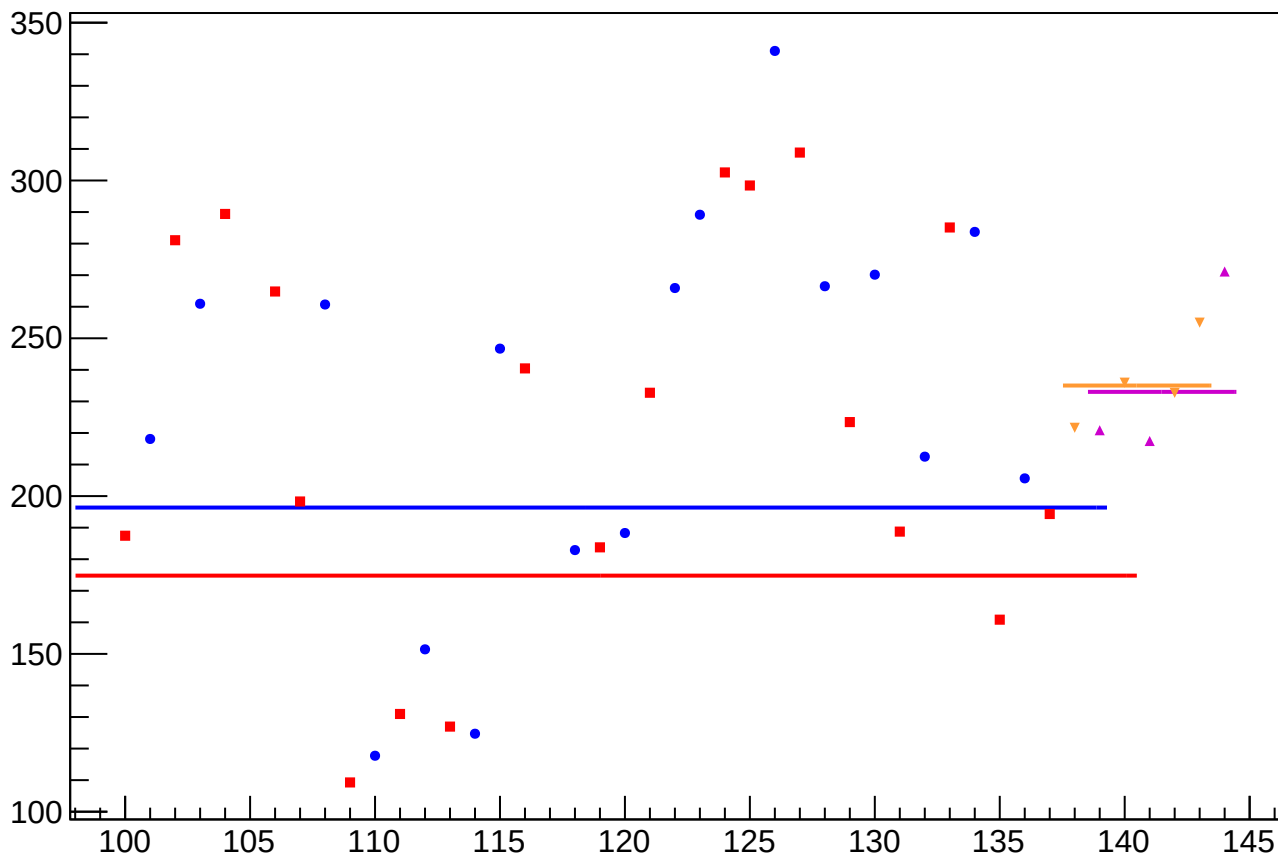
Left In: -253.023+/-152.713 χ^2/NDF : 0.7/2

+ sign 78.083+/-70.315 χ^2/NDF : 7.5/20

All: 6.429+/-47.492 χ^2/NDF : 18.9/42

- sign -53.678+/-64.401 χ^2/NDF : 9.5/21

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 196.369+/-0.057 χ^2/NDF : 965962.8/16

Left Out: 235.033+/-0.104 χ^2/NDF :13519.4/3

Right Out: 174.800+/-0.050 χ^2/NDF : 1506075.3/18

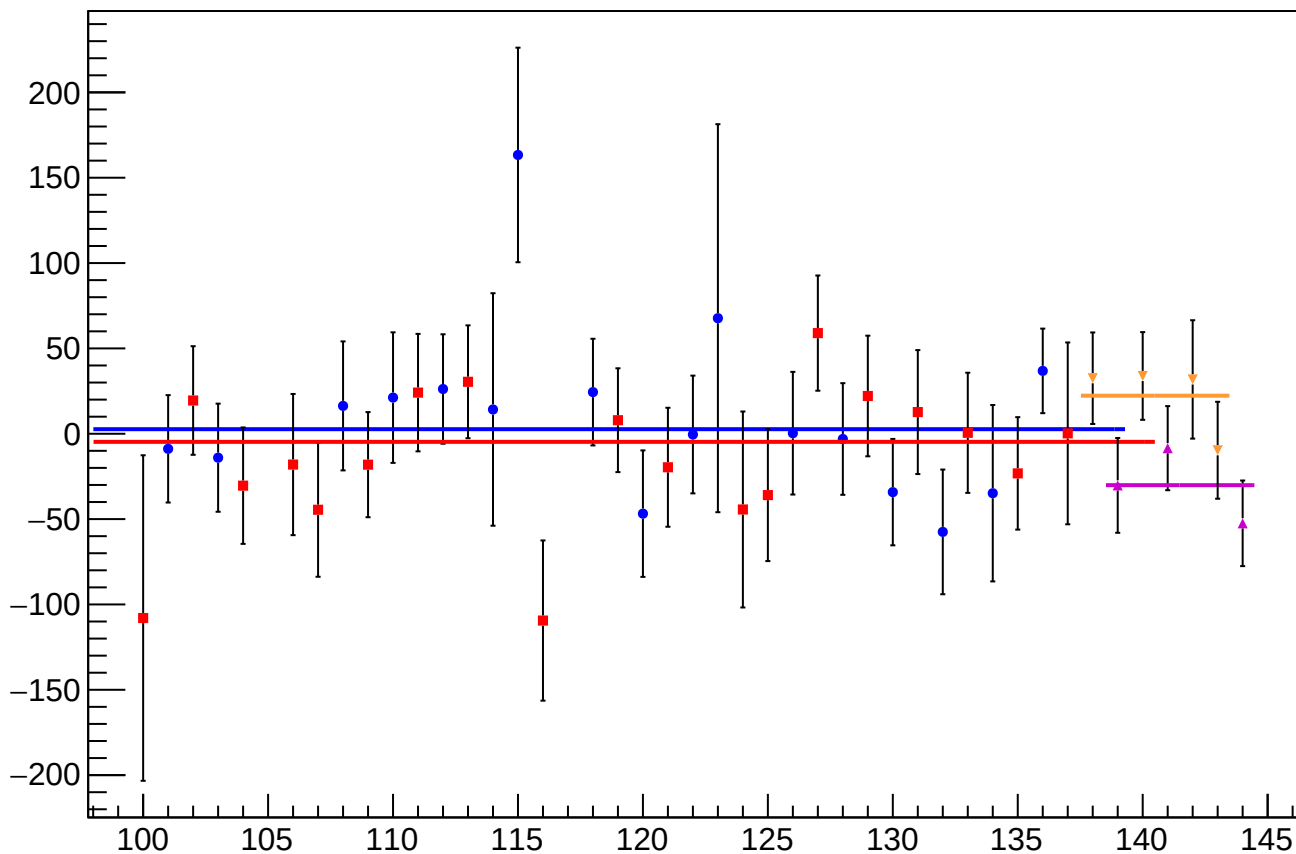
Left In: 233.024+/-0.108 χ^2/NDF :46233.1/2

+ sign 205.289+/-0.050 χ^2/NDF : 1086808.3/20

All: 194.340+/-0.034 χ^2/NDF : 2967315.0/42

- sign 185.155+/-0.046 χ^2/NDF : 1791328.7/21

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 2.676 ± 8.772 χ^2/NDF : 17.1/16

Left Out: 22.303 ± 14.173 χ^2/NDF : 1.7/3

Right Out: -4.736 ± 8.496 χ^2/NDF : 16.6/18

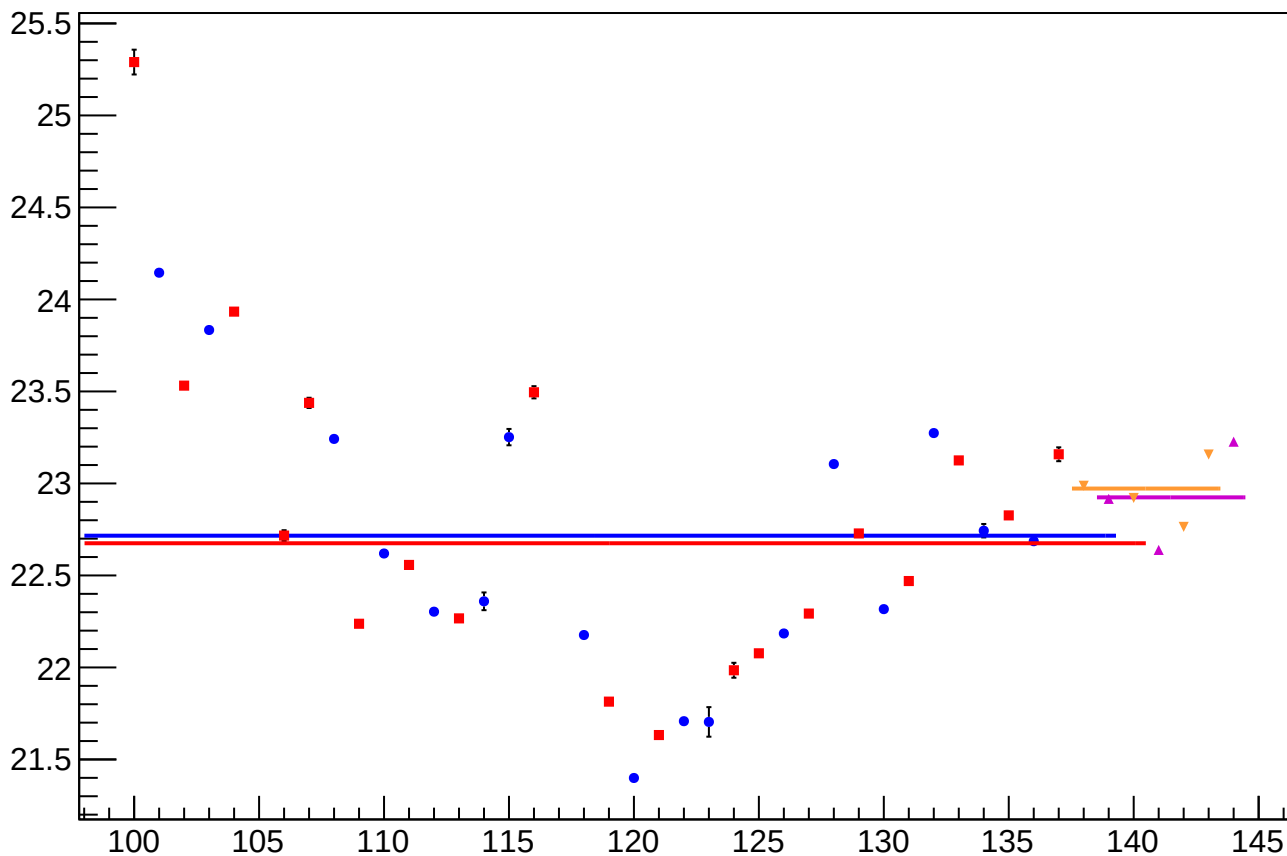
Left In: -30.121 ± 14.851 χ^2/NDF : 1.6/2

+ sign 8.112 ± 7.459 χ^2/NDF : 20.1/20

All: -1.550 ± 5.244 χ^2/NDF : 43.9/42

- sign -10.995 ± 7.374 χ^2/NDF : 20.4/21

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.716 $\pm$ 0.006 χ^2 /NDF: 14058.2/16

Left Out: 22.972 $\pm$ 0.010 χ^2 /NDF:165.5/3

Right Out: 22.675 $\pm$ 0.006 χ^2 /NDF: 12796.3/18

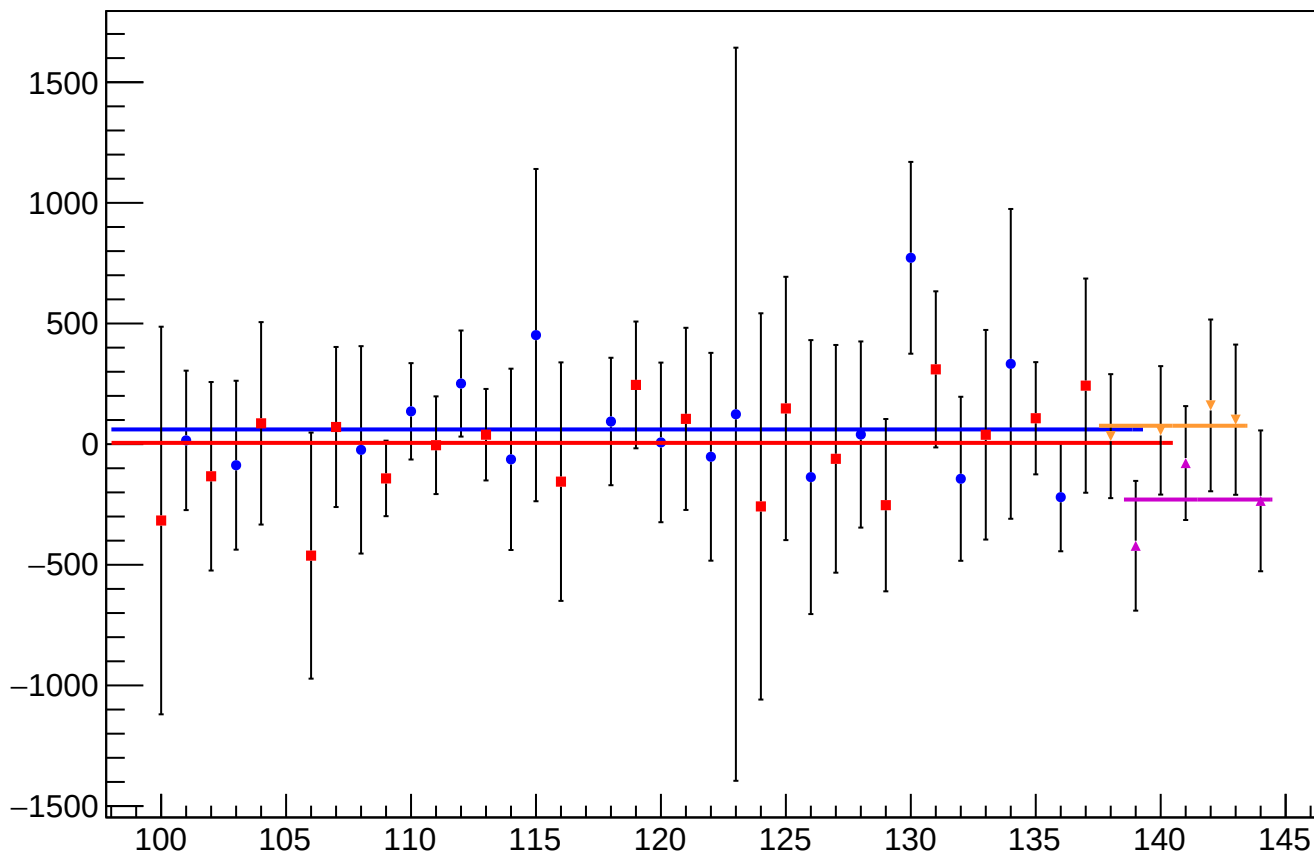
Left In: 22.924 $\pm$ 0.011 χ^2 /NDF:560.1/2

+ sign 22.787 $\pm$ 0.005 χ^2 /NDF: 14696.1/20

All: 22.761 $\pm$ 0.004 χ^2 /NDF: 28523.9/42

- sign 22.736 $\pm$ 0.005 χ^2 /NDF: 13781.3/21

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: 76.285 $\pm$ 145.133 χ^2 /NDF: 0.1/3

Right Out: 5.234 $\pm$ 70.529 χ^2 /NDF: 5.2/18

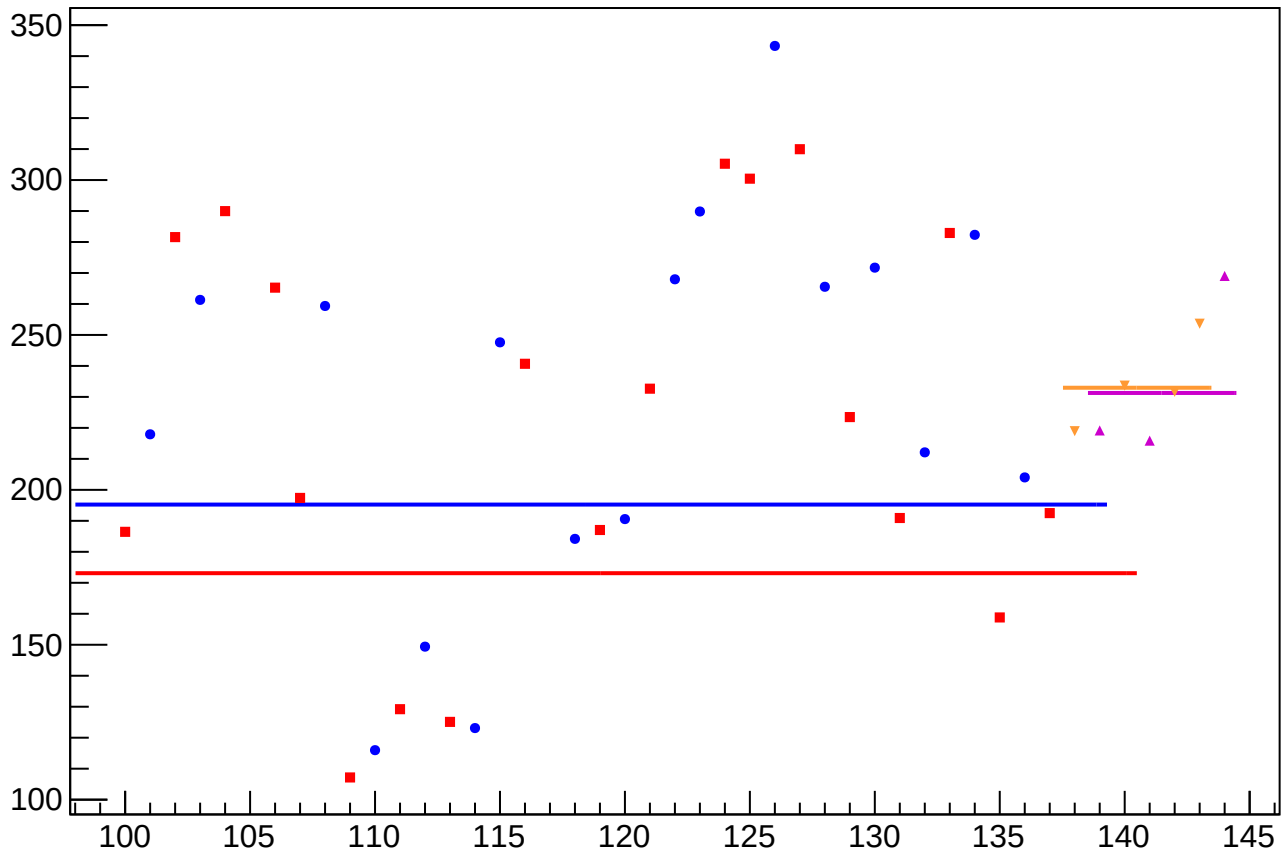
Left In: -229.589 $\pm$ 151.575 χ^2 /NDF: 0.9/2

+ sign 64.532 $\pm$ 69.945 χ^2 /NDF: 7.2/20

All: 9.466 $\pm$ 47.195 χ^2 /NDF: 16.5/42

- sign -36.560 $\pm$ 63.946 χ^2 /NDF: 8.1/21

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: 232.960 $\pm$ 0.103 χ^2 /NDF:14819.9/3

Right Out: 173.101 $\pm$ 0.050 χ^2 /NDF: 1572691.1/18

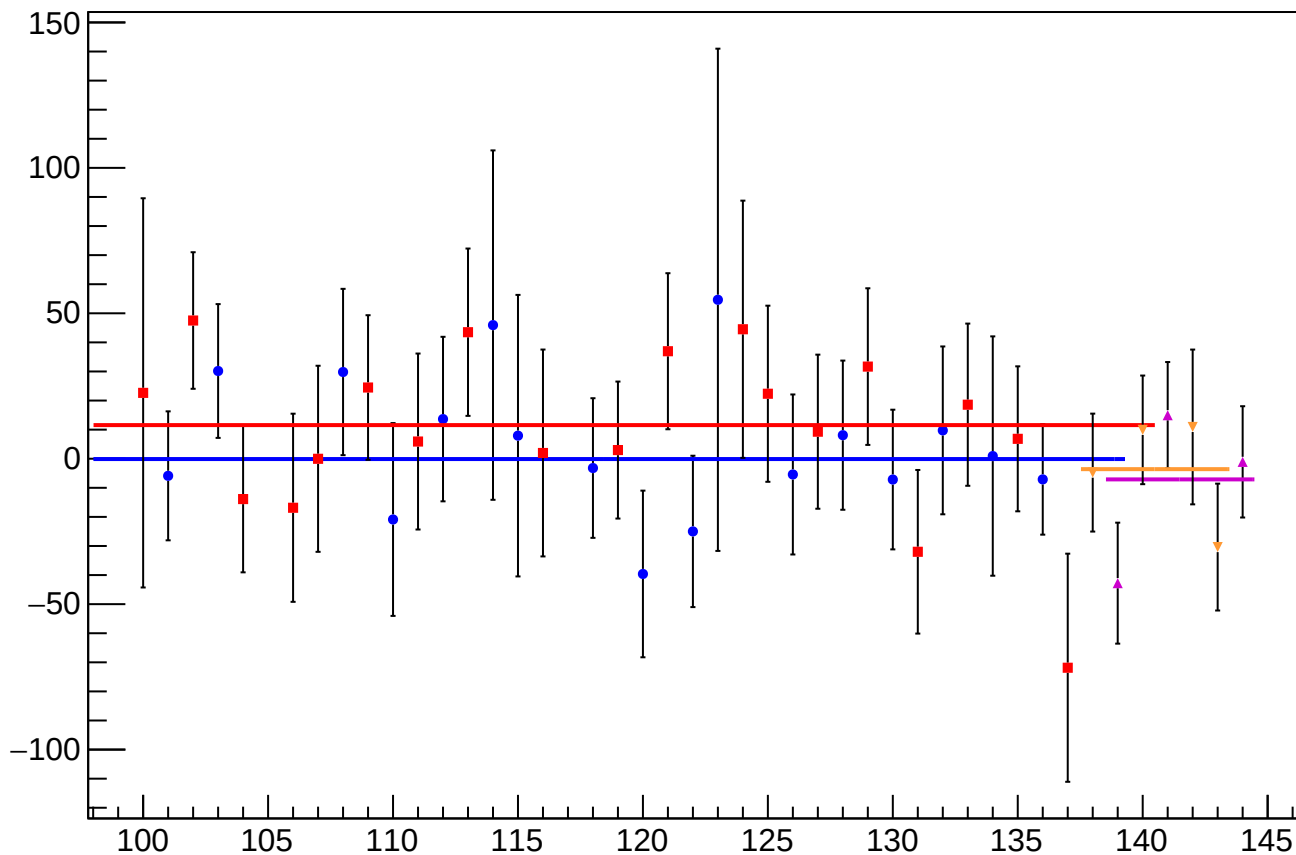
Left In: 231.272 $\pm$ 0.107 χ^2 /NDF:46057.6/2

+ sign 204.007 $\pm$ 0.049 χ^2 /NDF: 1123825.4/20

All: 192.812 $\pm$ 0.033 χ^2 /NDF: 3078783.3/42

- sign 183.454 $\pm$ 0.045 χ^2 /NDF: 1860892.6/21

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: -3.583 ± 10.650 χ^2/NDF : 2.3/3

Right Out: 11.560 ± 6.642 χ^2/NDF : 15.2/18

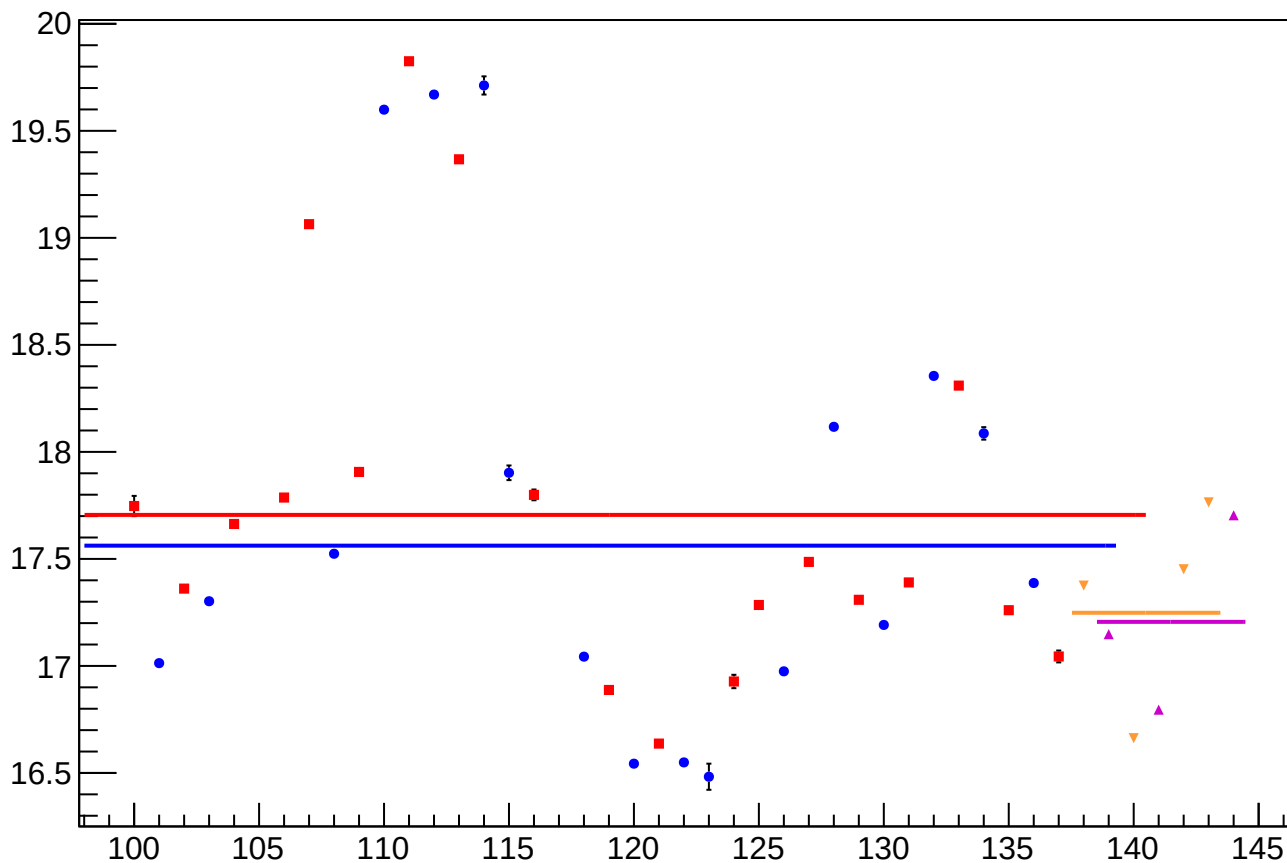
Left In: -7.107 ± 11.155 χ^2/NDF : 4.5/2

+ sign -1.114 ± 5.723 χ^2/NDF : 10.3/20

All: 2.791 ± 4.041 χ^2/NDF : 33.0/42

- sign 6.675 ± 5.707 χ^2/NDF : 21.8/21

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: 17.248 $\pm$ 0.008 χ^2/NDF : 3282.9/3

Right Out: 17.706 $\pm$ 0.005 χ^2/NDF : 30251.5/18

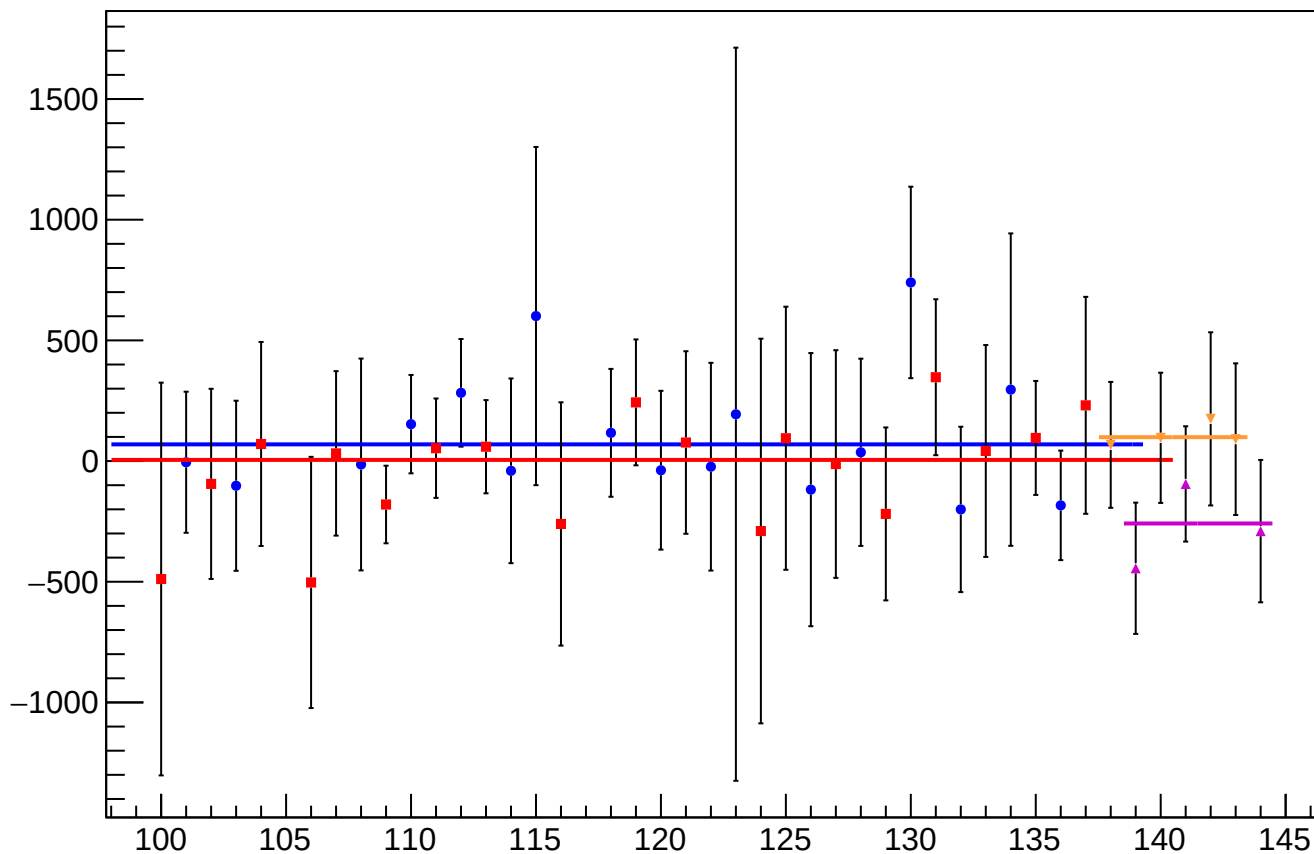
Left In: 17.206 $\pm$ 0.008 χ^2/NDF : 2377.4/2

+ sign 17.471 $\pm$ 0.004 χ^2/NDF : 38452.5/20

All: 17.523 $\pm$ 0.003 χ^2/NDF : 74371.9/42

- sign 17.575 $\pm$ 0.004 χ^2/NDF : 35591.7/21

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: 99.000 $\pm$ 146.877 χ^2/NDF : 0.1/3

Right Out: 4.849 $\pm$ 71.521 χ^2/NDF : 6.1/18

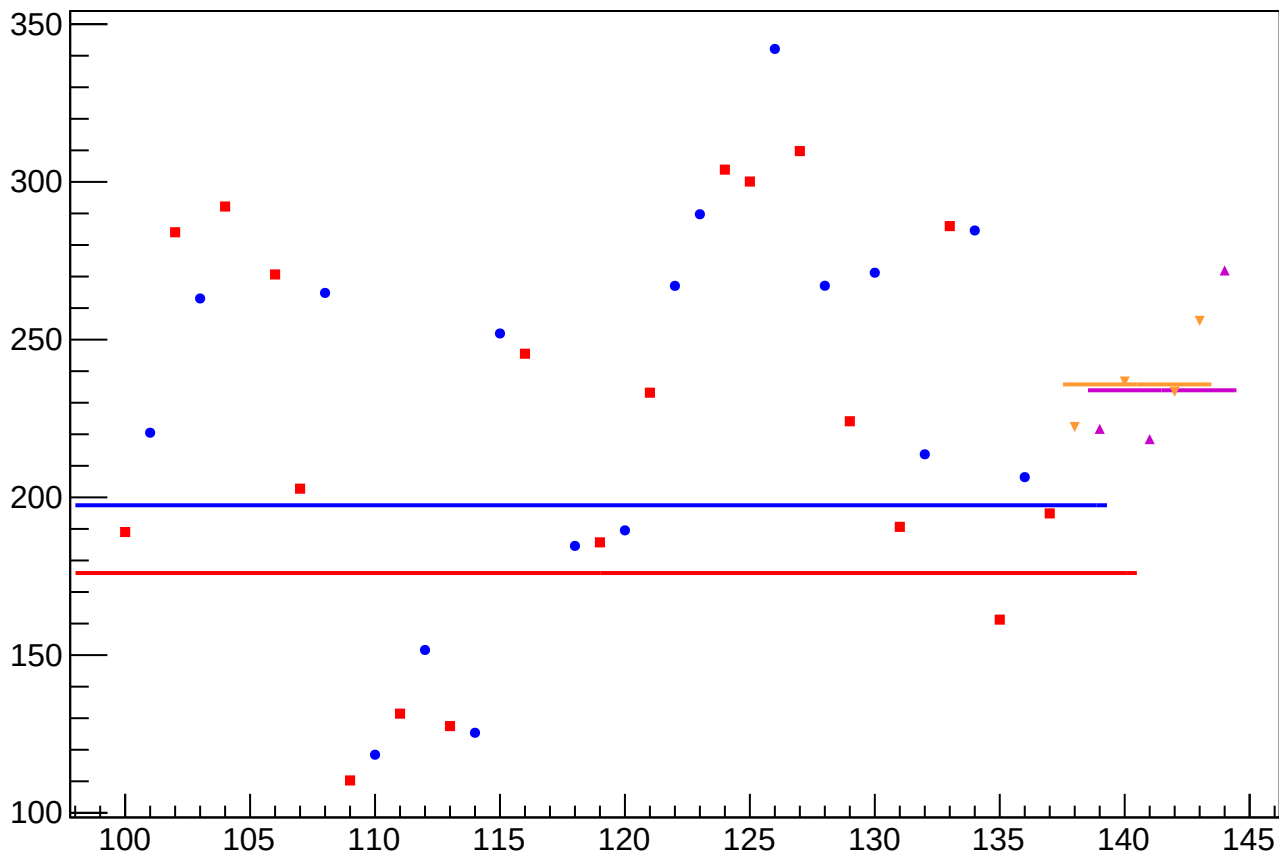
Left In: -258.583 $\pm$ 153.304 χ^2/NDF : 0.9/2

+ sign 76.115 $\pm$ 70.682 χ^2/NDF : 7.3/20

All: 11.822 $\pm$ 47.771 χ^2/NDF : 18.3/42

- sign -42.239 $\pm$ 64.815 χ^2/NDF : 9.5/21

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.498+/-0.057 χ^2/NDF : 970879.0/16

Left Out: 235.810+/-0.104 χ^2/NDF :13680.1/3

Right Out: 176.016+/-0.051 χ^2/NDF : 1514778.3/18

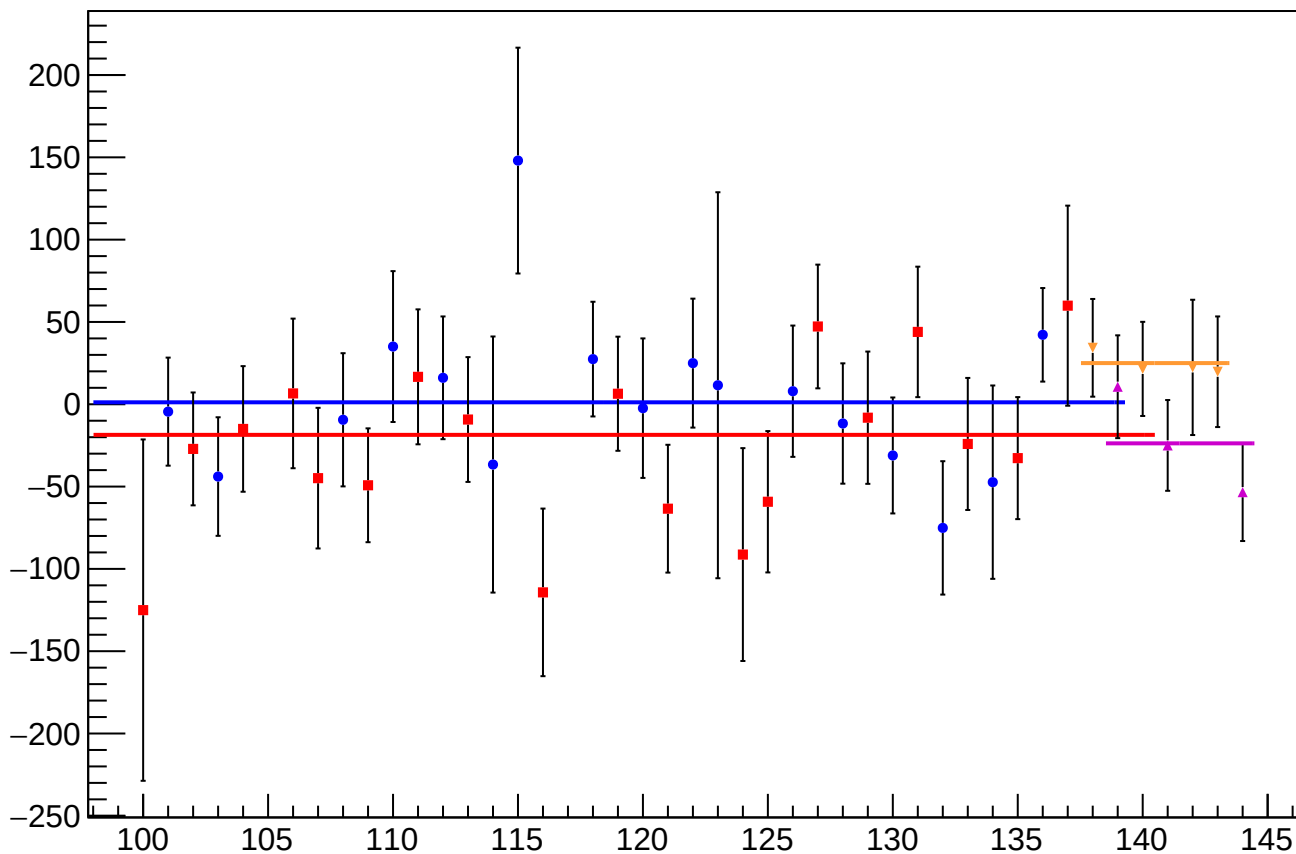
Left In: 233.947+/-0.108 χ^2/NDF :45612.5/2

+ sign 206.370+/-0.050 χ^2/NDF : 1089128.6/20

All: 195.506+/-0.034 χ^2/NDF : 2971045.6/42

- sign 186.371+/-0.046 χ^2/NDF : 1794937.7/21

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 1.189 ± 9.848 $\chi^2/\text{NDF}: 15.4/16$

Left Out: 25.015 ± 16.145 $\chi^2/\text{NDF}: 0.1/3$

Right Out: -18.582 ± 9.518 $\chi^2/\text{NDF}: 18.4/18$

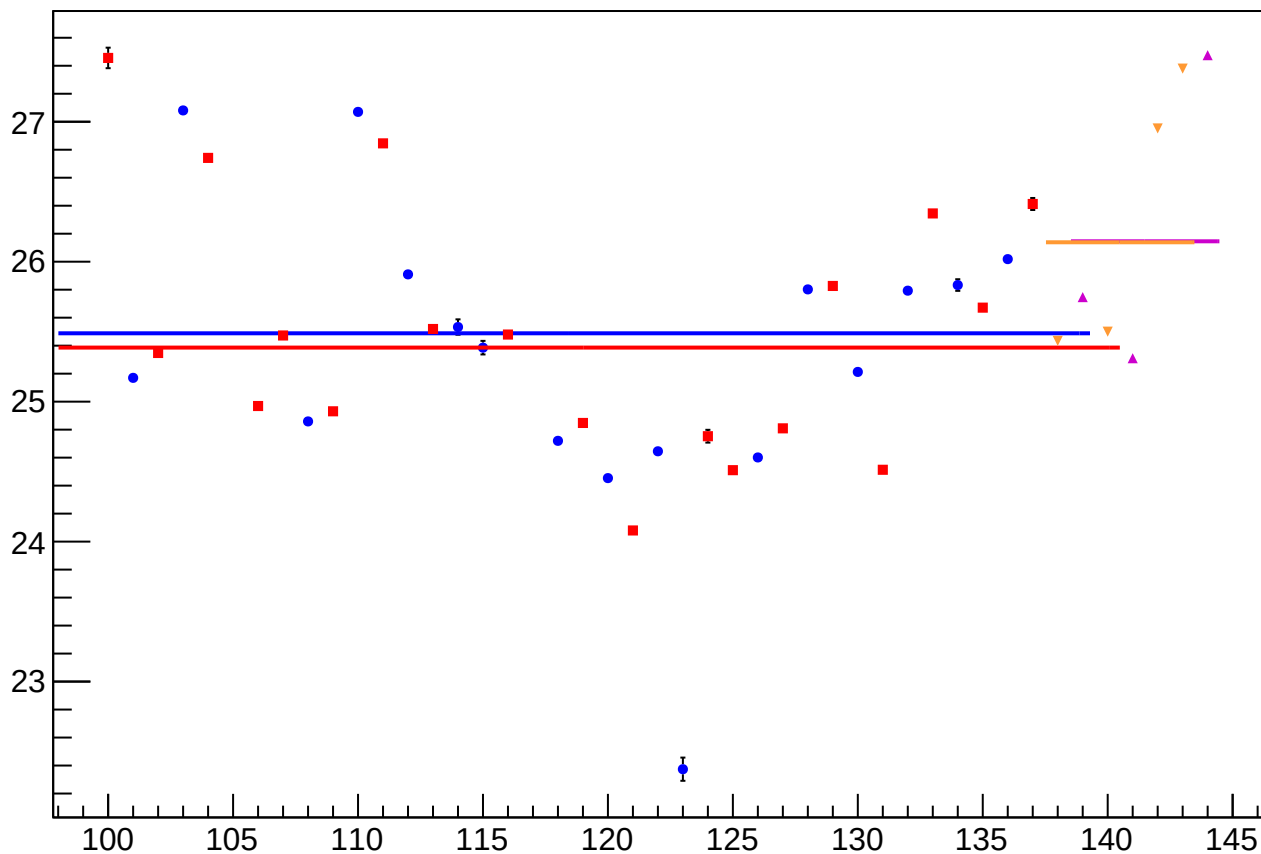
Left In: -23.743 ± 16.963 $\chi^2/\text{NDF}: 2.2/2$

+ sign 7.650 ± 8.407 $\chi^2/\text{NDF}: 17.2/20$

All: -6.260 ± 5.907 $\chi^2/\text{NDF}: 43.3/42$

- sign -19.818 ± 8.300 $\chi^2/\text{NDF}: 20.7/21$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.488 ± 0.007 $\chi^2/\text{NDF}: 13867.7/16$

Left Out: 26.139 ± 0.011 $\chi^2/\text{NDF}: 5635.8/3$

Right Out: 25.386 ± 0.007 $\chi^2/\text{NDF}: 13699.1/18$

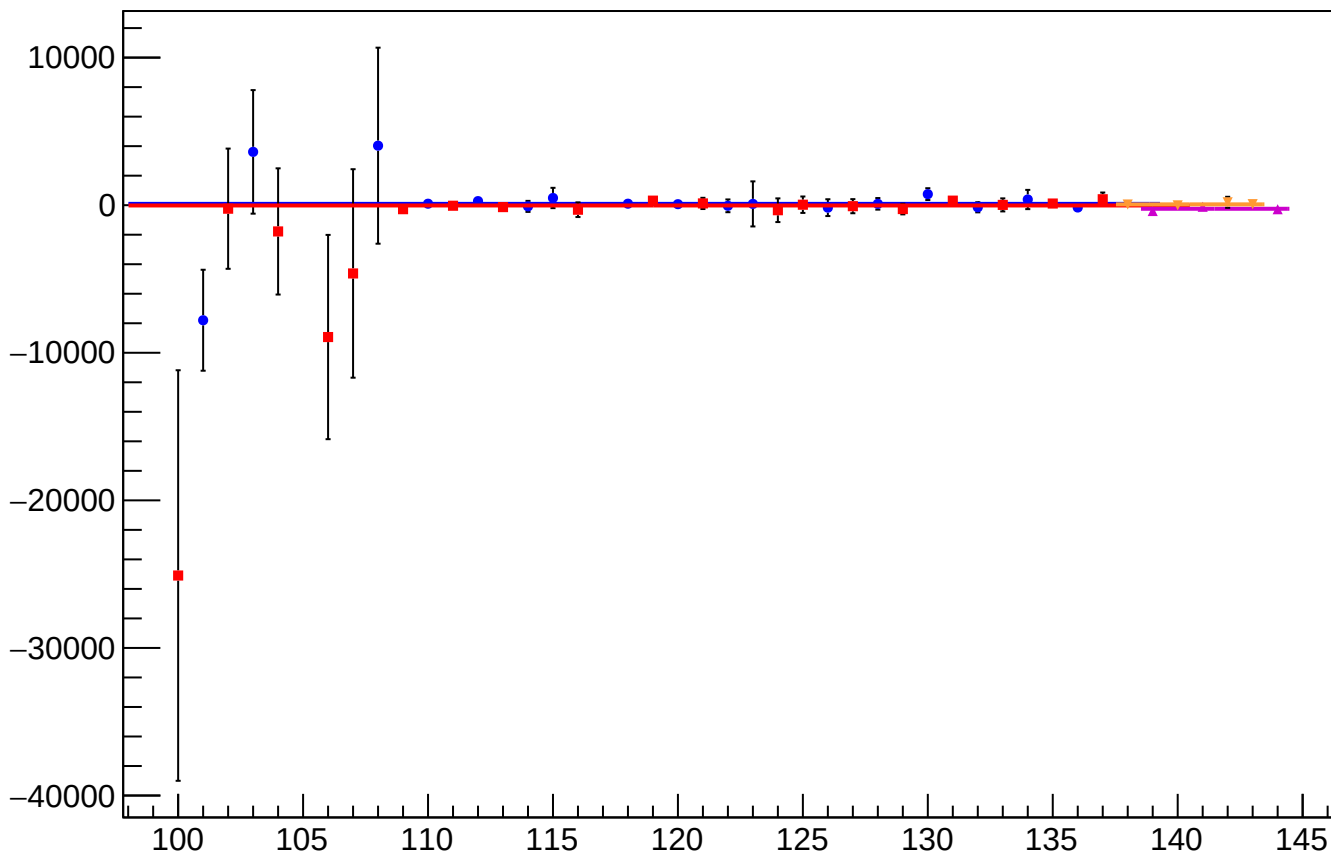
Left In: 26.146 ± 0.012 $\chi^2/\text{NDF}: 6173.5/2$

+ sign 25.665 ± 0.006 $\chi^2/\text{NDF}: 21868.3/20$

All: 25.616 ± 0.004 $\chi^2/\text{NDF}: 44923.3/42$

- sign 25.568 ± 0.006 $\chi^2/\text{NDF}: 22921.1/21$

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: 56.016+/-147.293 χ^2/NDF : 0.2/3

Right Out: -18.864+/-80.923 χ^2/NDF : 12.0/18

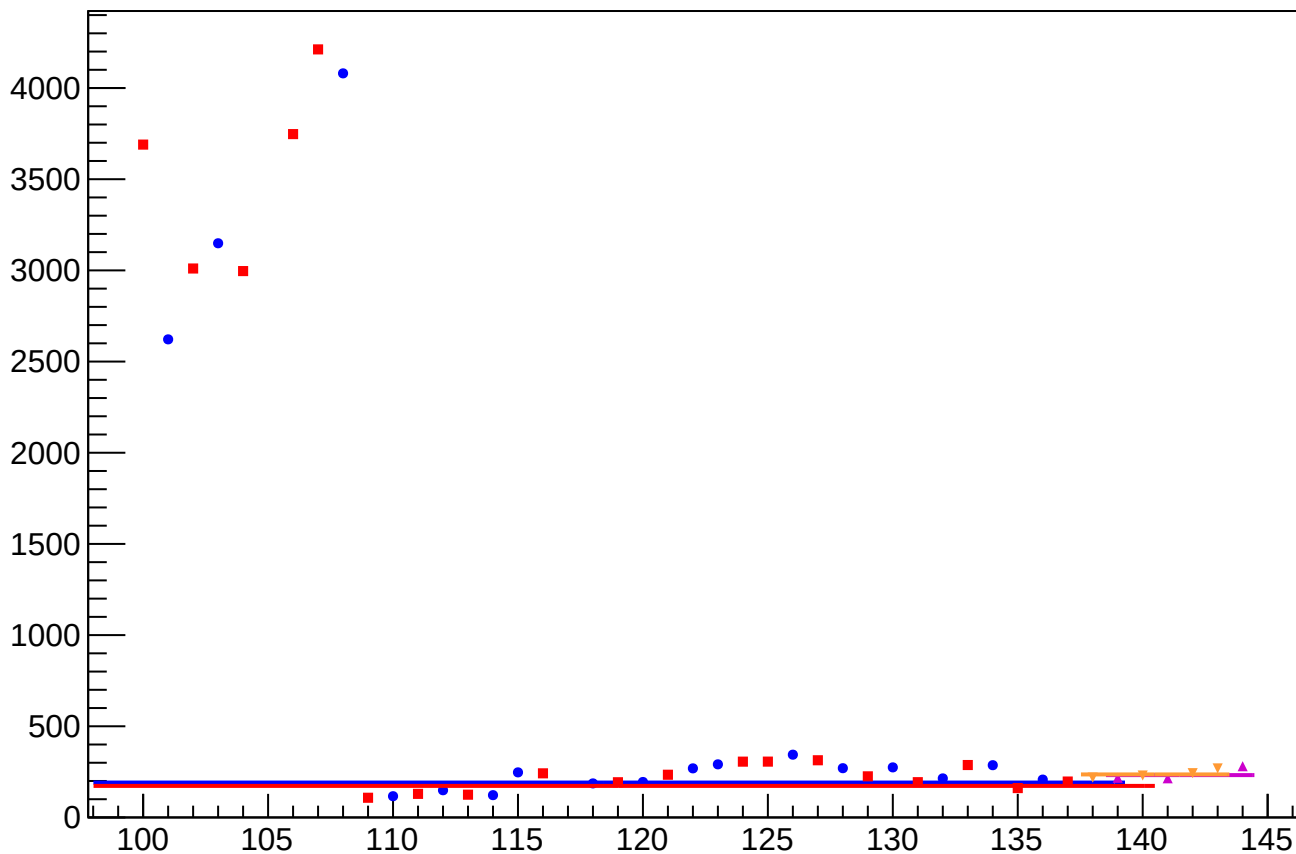
Left In: -243.175+/-152.633 χ^2/NDF : 0.7/2

+ sign 80.506+/-75.494 χ^2/NDF : 12.7/20

All: 2.174+/-51.911 χ^2/NDF : 29.1/42

- sign -68.081+/-71.496 χ^2/NDF : 14.3/21

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 191.422 $\pm$ 0.062 χ^2 /NDF: 3573556.6/16

Left Out: 235.959 $\pm$ 0.104 χ^2 /NDF:30996.3/3

Right Out: 173.068 $\pm$ 0.057 χ^2 /NDF: 4201509.7/18

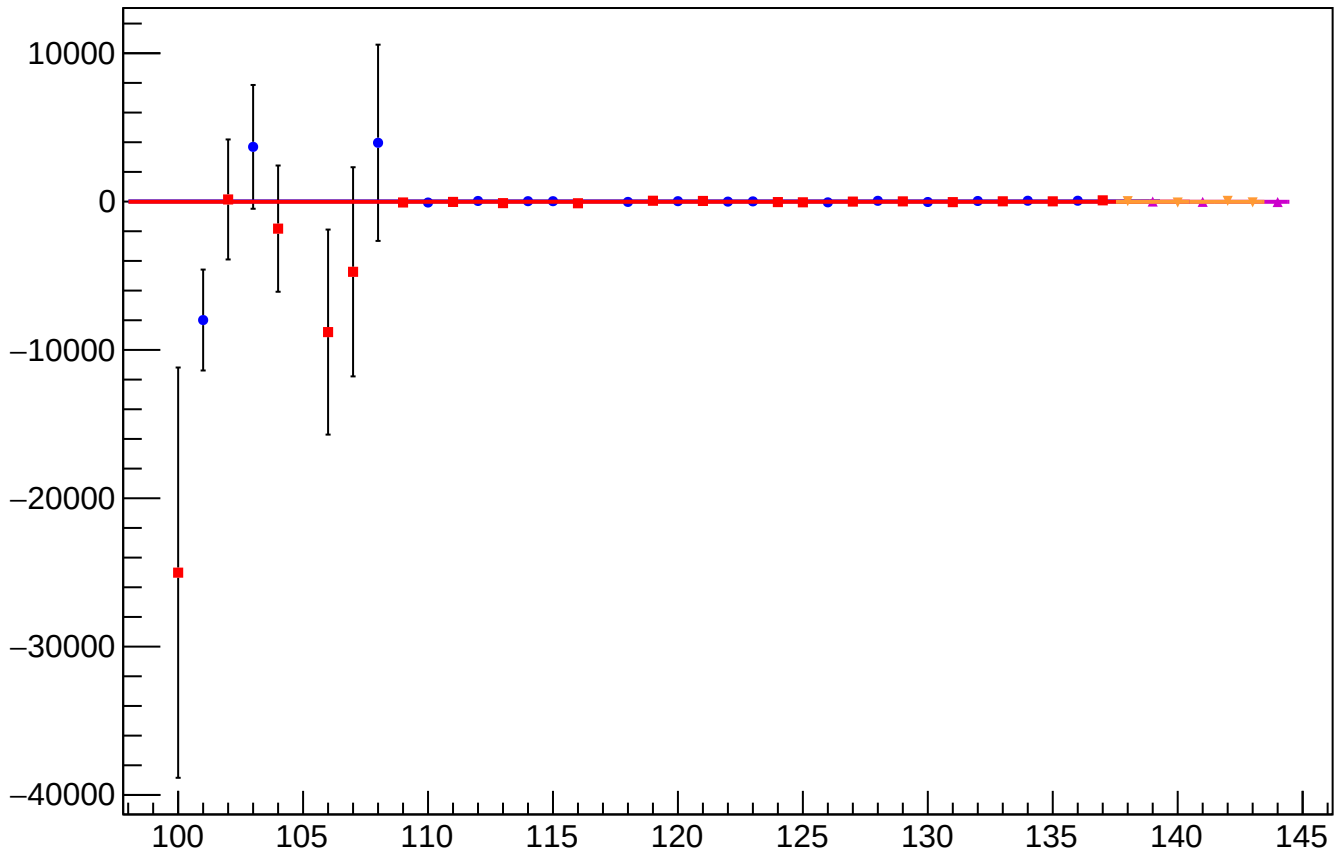
Left In: 232.252 $\pm$ 0.108 χ^2 /NDF:68132.5/2

+ sign 203.122 $\pm$ 0.053 χ^2 /NDF: 3739366.7/20

All: 194.124 $\pm$ 0.037 χ^2 /NDF: 8297620.3/42

- sign 186.054 $\pm$ 0.051 χ^2 /NDF: 4504360.6/21

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 11.464 $\pm$ 12.227 χ^2 /NDF: 18.3/16

Left Out: -16.696 $\pm$ 18.764 χ^2 /NDF: 6.4/3

Right Out: -11.883 $\pm$ 12.264 χ^2 /NDF: 23.9/18

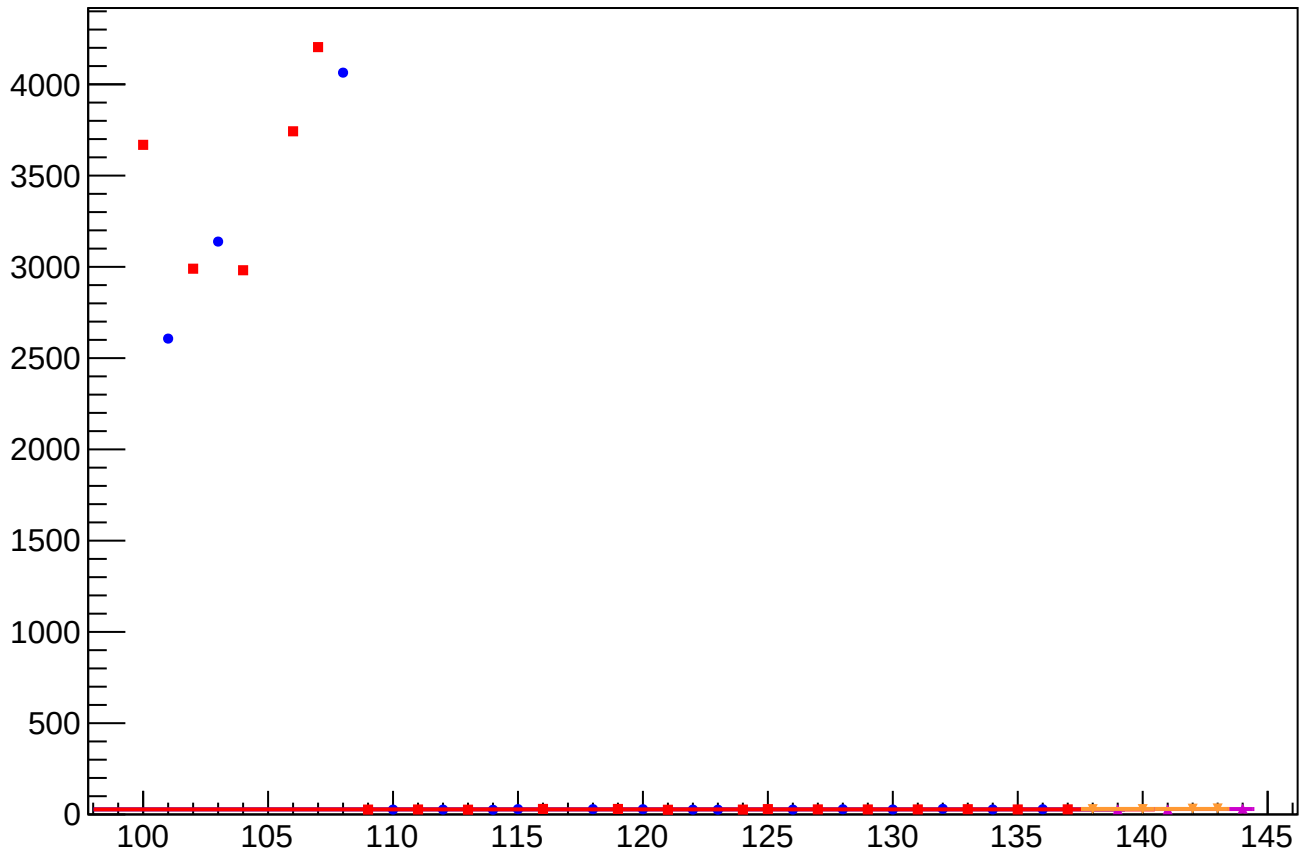
Left In: -15.438 $\pm$ 19.285 χ^2 /NDF: 0.5/2

+ sign 3.071 $\pm$ 10.244 χ^2 /NDF: 26.3/20

All: -4.837 $\pm$ 7.280 χ^2 /NDF: 51.9/42

- sign -12.907 $\pm$ 10.349 χ^2 /NDF: 24.4/21

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.858 $\pm$ 0.009 χ^2 /NDF: 3026949.6/16

Left Out: 30.269 $\pm$ 0.013 χ^2 /NDF: 14227.9/3

Right Out: 27.714 $\pm$ 0.009 χ^2 /NDF: 3476894.0/18

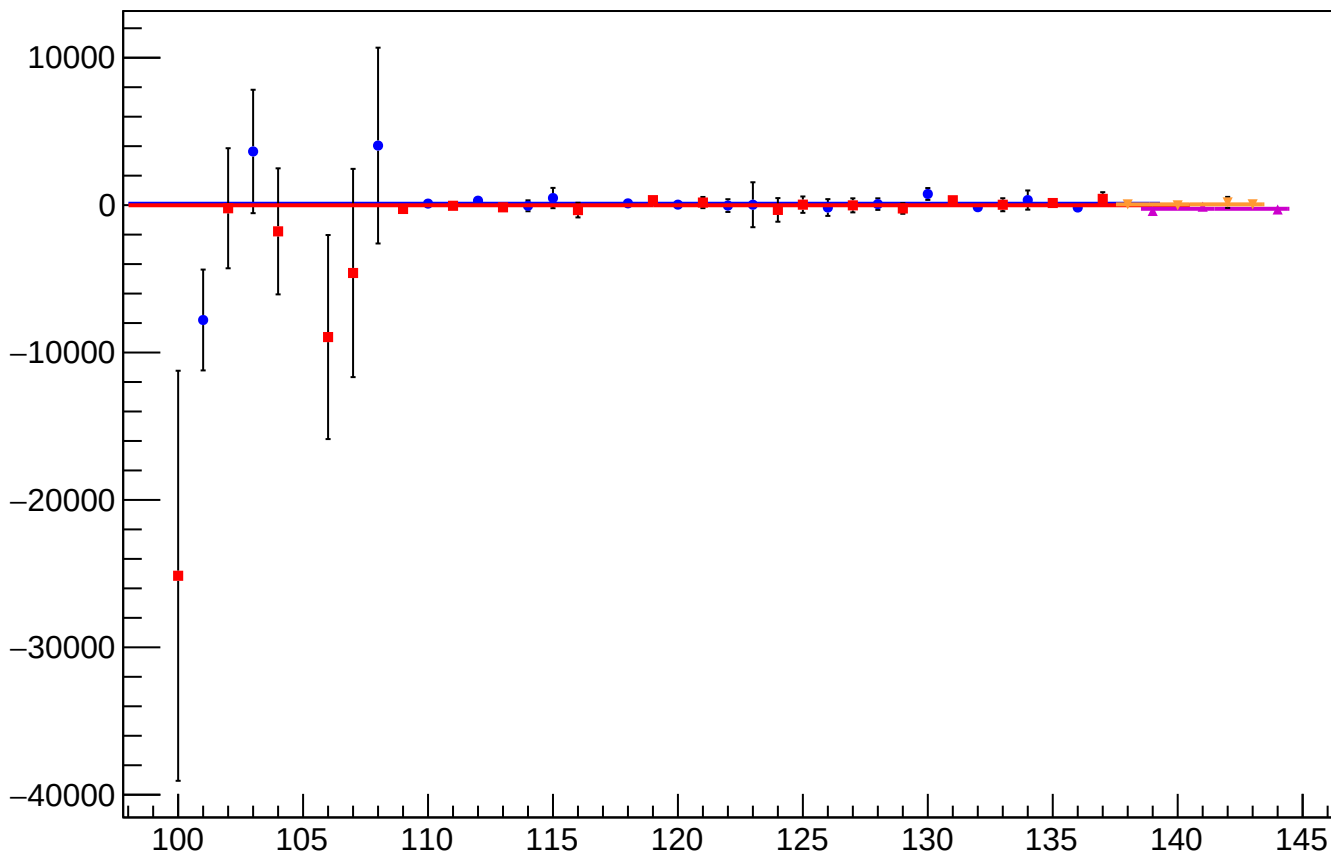
Left In: 29.665 $\pm$ 0.014 χ^2 /NDF: 16961.3/2

+ sign 28.577 $\pm$ 0.007 χ^2 /NDF: 3064363.4/20

All: 28.428 $\pm$ 0.005 χ^2 /NDF: 6573650.9/42

- sign 28.276 $\pm$ 0.007 χ^2 /NDF: 3508432.6/21

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: 93.805+/-87.646 χ^2/NDF : 12.7/16

Left Out: 51.891+/-146.959 χ^2/NDF : 0.2/3

Right Out: -9.116+/-80.662 χ^2/NDF : 12.8/18

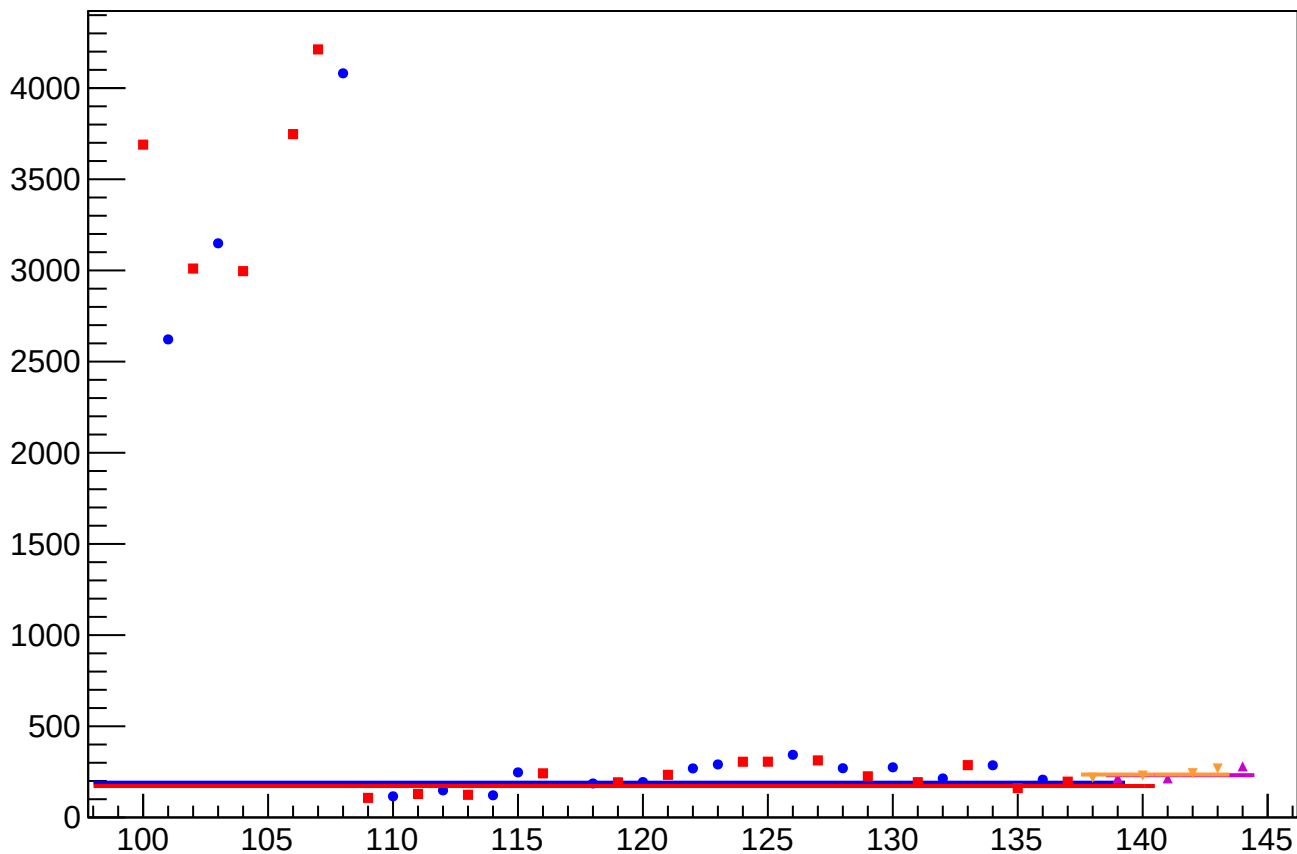
Left In: -248.000+/-152.316 χ^2/NDF : 0.7/2

+ sign 82.808+/-75.275 χ^2/NDF : 13.0/20

All: 6.760+/-51.759 χ^2/NDF : 30.3/42

- sign -61.436+/-71.283 χ^2/NDF : 15.4/21

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: 235.416 $\pm$ 0.104 χ^2 /NDF:31333.4/3

Right Out: 172.402 $\pm$ 0.057 χ^2 /NDF: 4212674.3/18

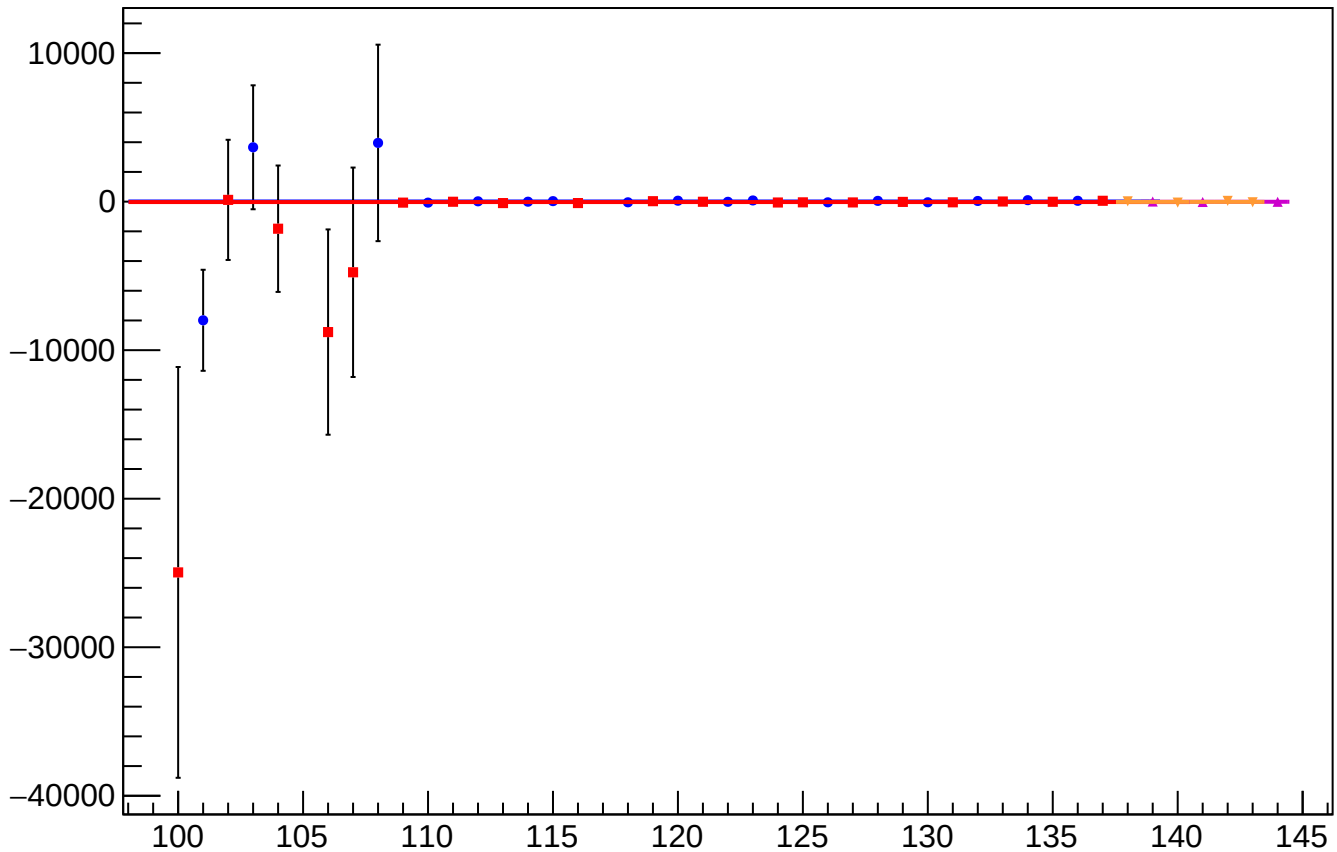
Left In: 231.768 $\pm$ 0.108 χ^2 /NDF:68085.3/2

+ sign 202.441 $\pm$ 0.053 χ^2 /NDF: 3753249.1/20

All: 193.459 $\pm$ 0.037 χ^2 /NDF: 8325295.0/42

- sign 185.405 $\pm$ 0.050 χ^2 /NDF: 4518034.1/21

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 9.486+/-12.310 χ^2/NDF : 22.5/16

Left Out: -16.666+/-18.868 χ^2/NDF : 5.7/3

Right Out: -28.414+/-12.365 χ^2/NDF : 16.2/18

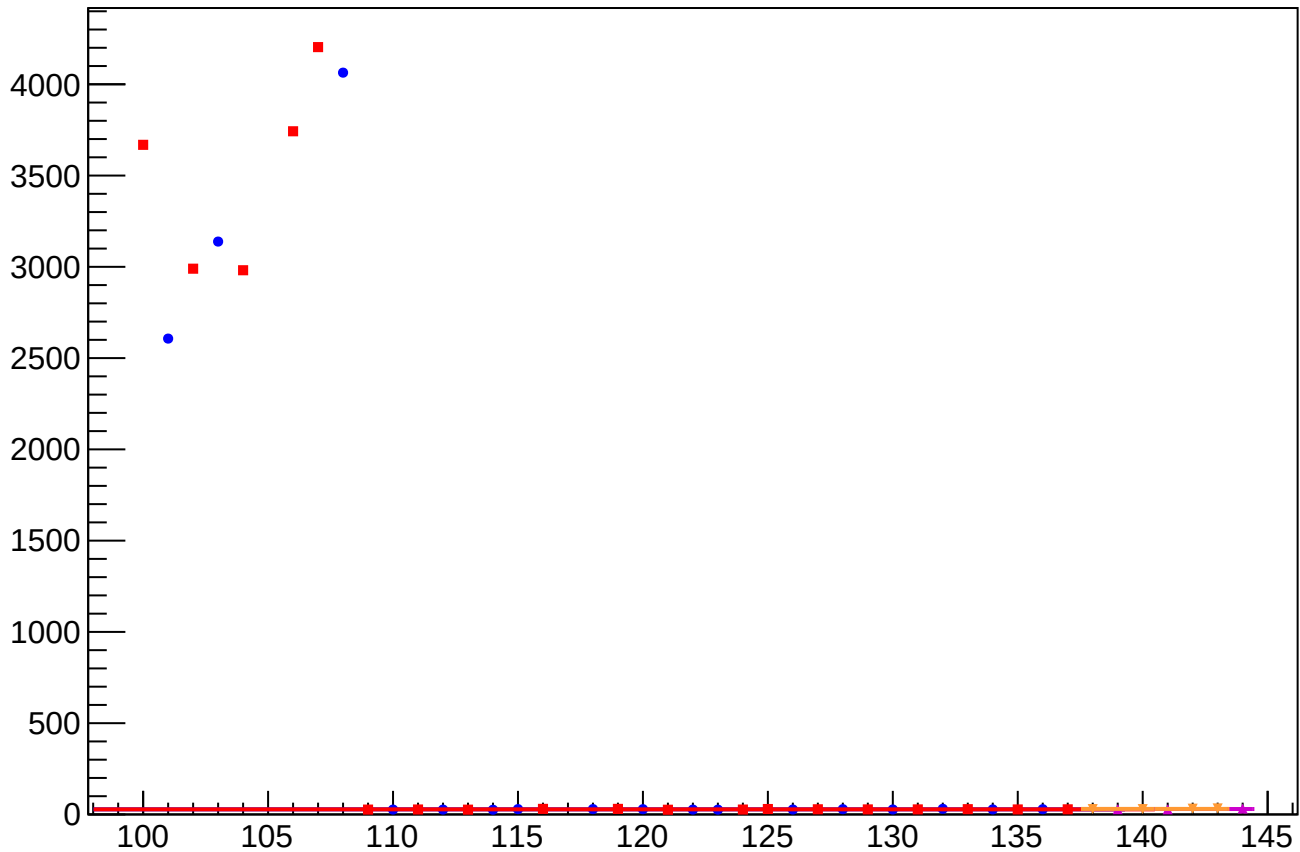
Left In: -9.747+/-19.371 χ^2/NDF : 0.4/2

+ sign 1.678+/-10.309 χ^2/NDF : 29.5/20

All: -10.532+/-7.329 χ^2/NDF : 49.7/42

- sign -23.010+/-10.422 χ^2/NDF : 17.3/21

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: 30.435 $\pm$ 0.013 χ^2 /NDF:14473.3/3

Right Out: 27.934 $\pm$ 0.009 χ^2 /NDF: 3479779.2/18

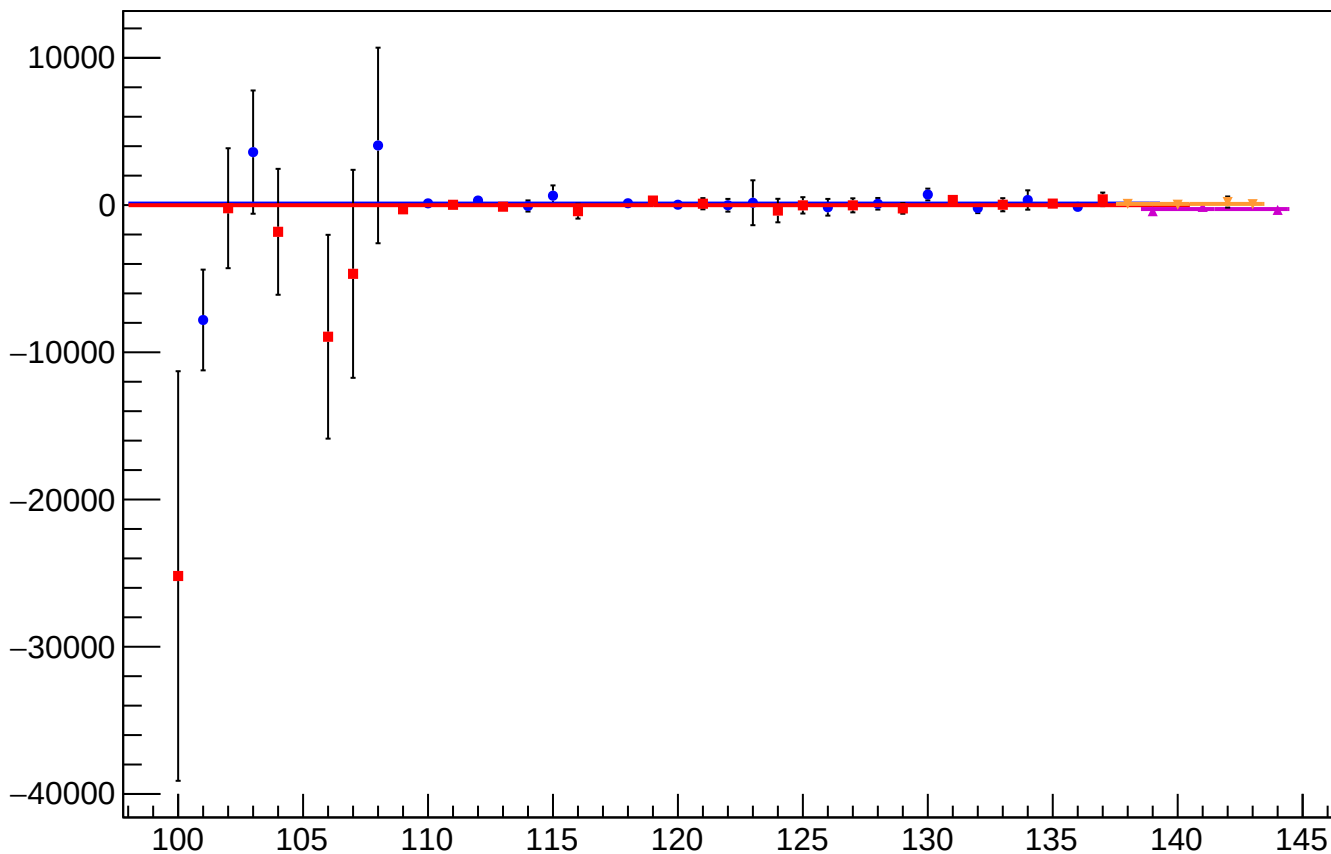
Left In: 29.792 $\pm$ 0.014 χ^2 /NDF:18098.2/2

+ sign 28.756 $\pm$ 0.007 χ^2 /NDF: 3064364.9/20

All: 28.615 $\pm$ 0.005 χ^2 /NDF: 6576051.8/42

- sign 28.472 $\pm$ 0.007 χ^2 /NDF: 3510937.6/21

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: 78.784 $\pm$ 149.028 χ^2 /NDF:0.2/3

Right Out: -7.957 $\pm$ 81.751 χ^2 /NDF: 12.3/18

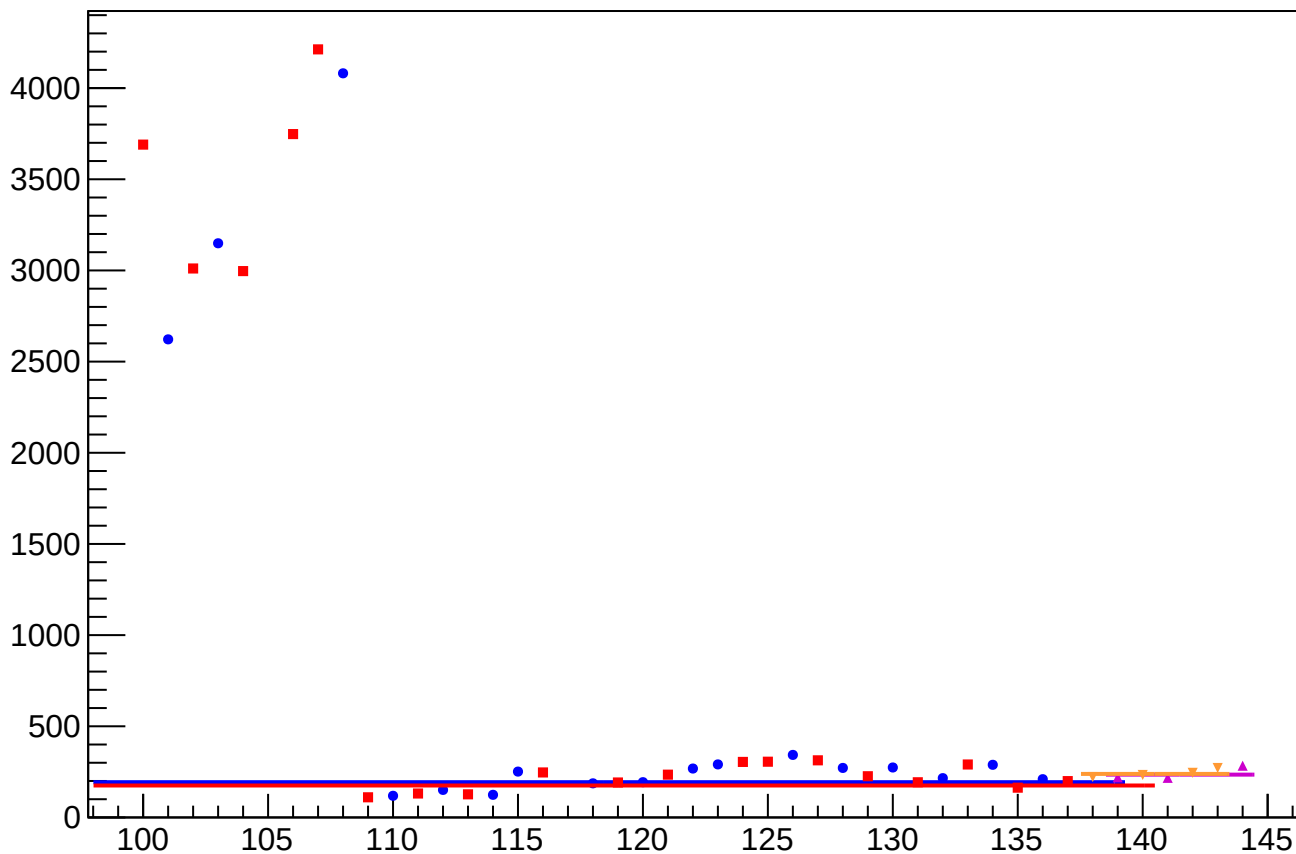
Left In: -270.516 $\pm$ 154.333 χ^2 /NDF:0.7/2

+ sign 95.624 $\pm$ 76.209 χ^2 /NDF: 12.7/20

All: 10.766 $\pm$ 52.429 χ^2 /NDF: 30.3/42

- sign -65.486 $\pm$ 72.242 χ^2 /NDF: 15.2/21

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.420 $\pm$ 0.063 χ^2 /NDF: 3538238.9/16

Left Out: 238.805 $\pm$ 0.105 χ^2 /NDF: 29121.9/3

Right Out: 175.281 $\pm$ 0.058 χ^2 /NDF: 4160209.8/18

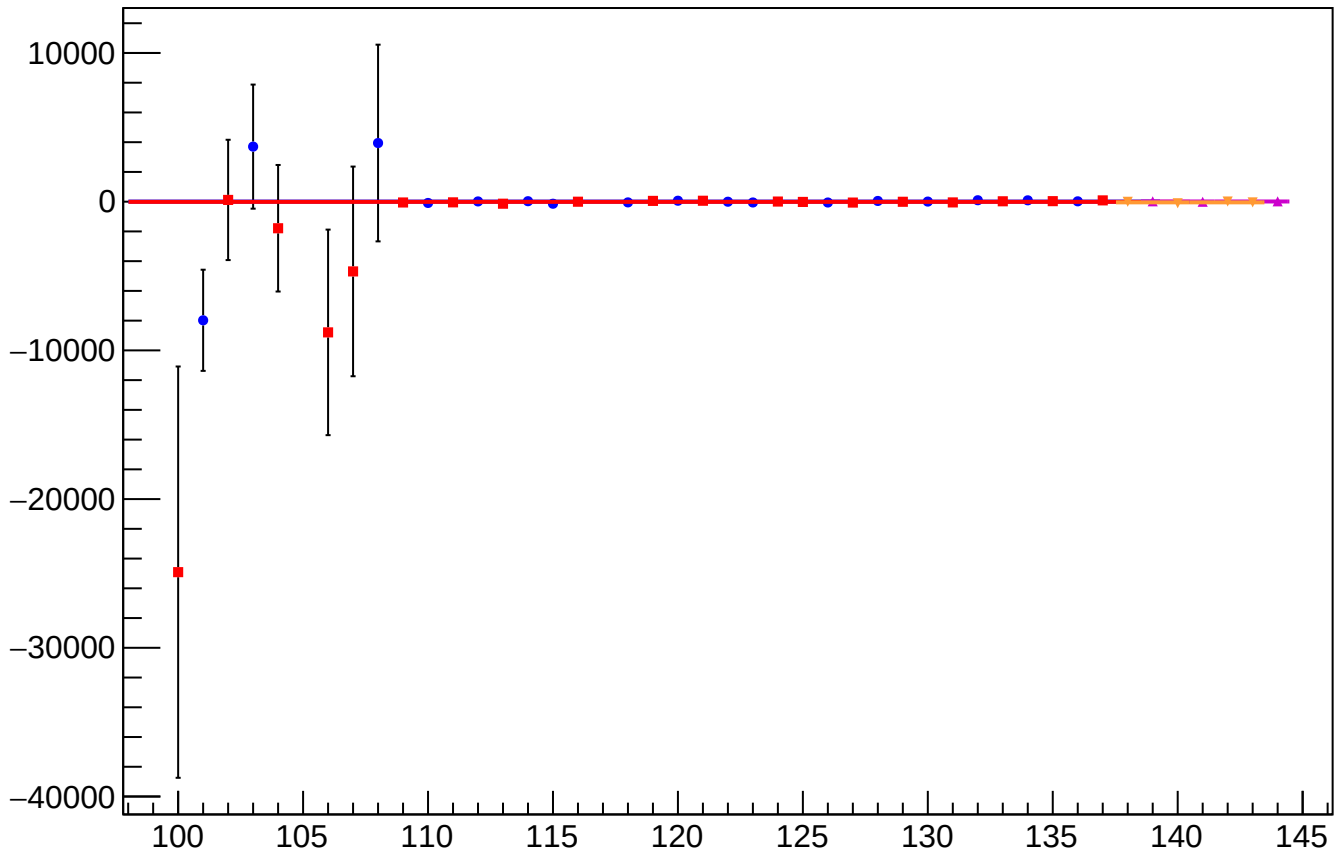
Left In: 234.879 $\pm$ 0.109 χ^2 /NDF: 67532.4/2

+ sign 205.288 $\pm$ 0.054 χ^2 /NDF: 3704343.7/20

All: 196.361 $\pm$ 0.037 χ^2 /NDF: 8217084.5/42

- sign 188.340 $\pm$ 0.051 χ^2 /NDF: 4460639.9/21

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: -45.199+/-22.489 χ^2/NDF : 4.2/3

Right Out: -11.632+/-14.990 χ^2/NDF : 21.2/18

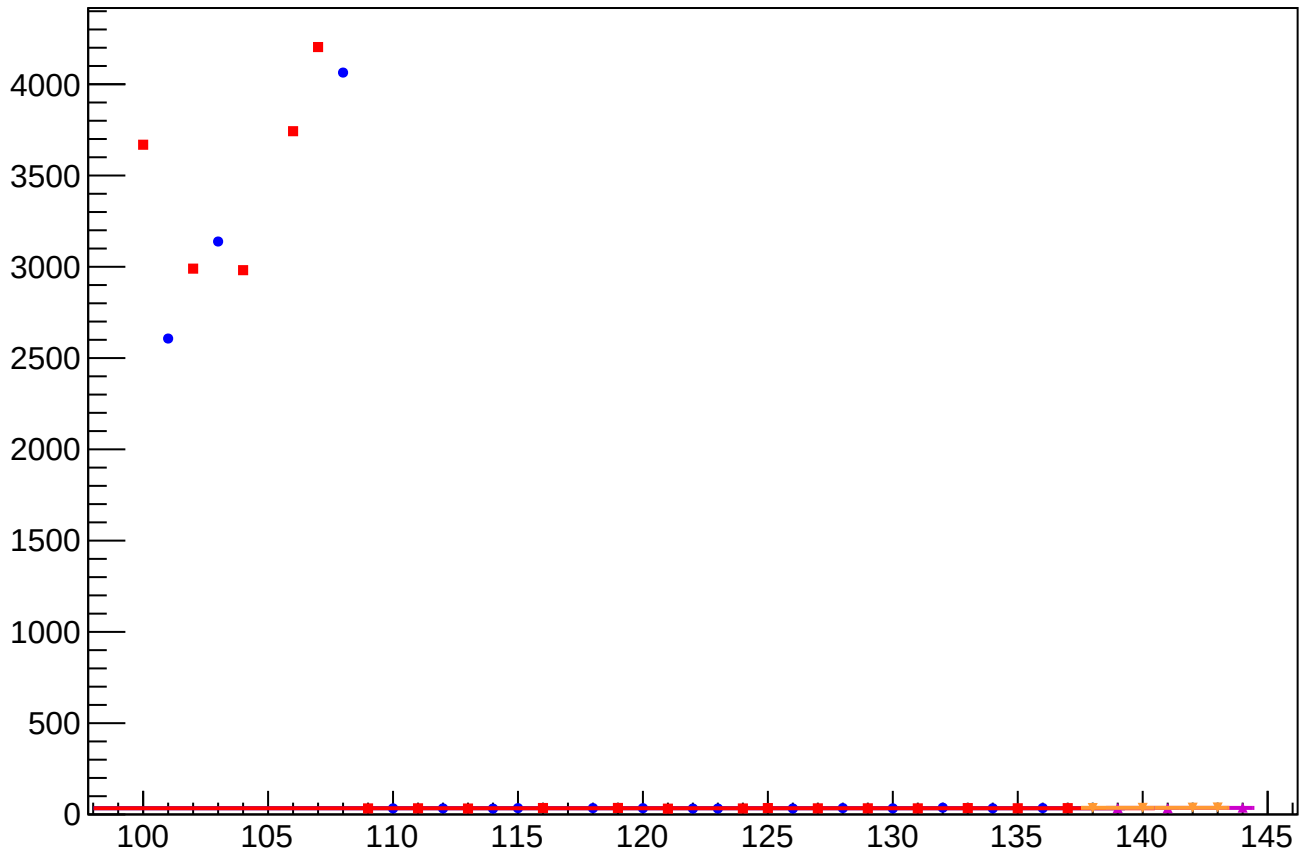
Left In: 13.011+/-23.232 χ^2/NDF : 0.4/2

+ sign -9.616+/-12.469 χ^2/NDF : 27.9/20

All: -7.028+/-8.861 χ^2/NDF : 50.4/42

- sign -4.388+/-12.595 χ^2/NDF : 22.4/21

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: 36.358+/-0.016 χ^2/NDF : 4758.9/3

Right Out: 33.933+/-0.011 χ^2/NDF : 3451992.5/18

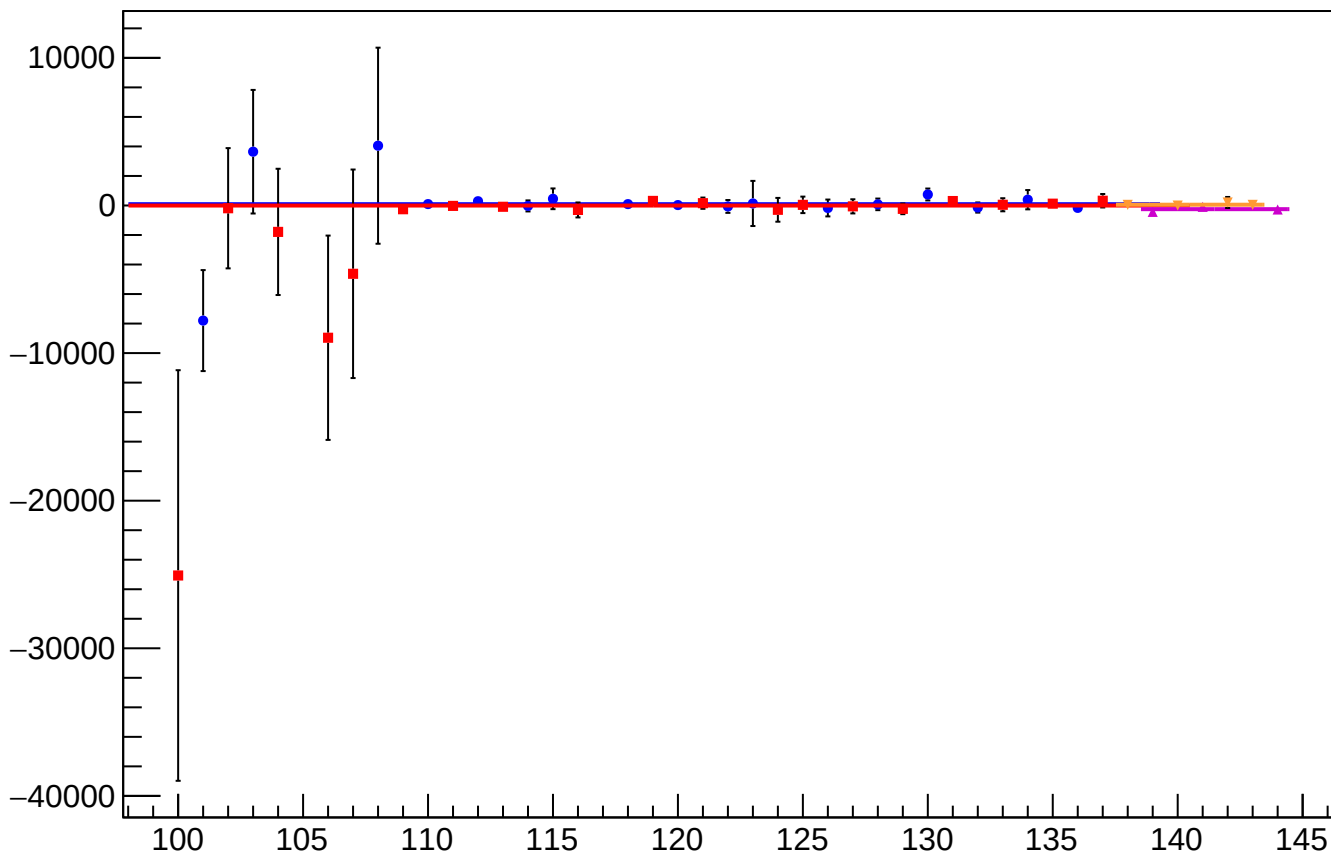
Left In: 35.805+/-0.016 χ^2/NDF : 5806.5/2

+ sign 34.841+/-0.009 χ^2/NDF : 3024011.5/20

All: 34.664+/-0.006 χ^2/NDF : 6491799.4/42

- sign 34.483+/-0.009 χ^2/NDF : 3466969.9/21

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: 52.266 $\pm$ 147.738 χ^2 /NDF: 0.2/3

Right Out: -3.827 $\pm$ 81.231 χ^2 /NDF: 11.1/18

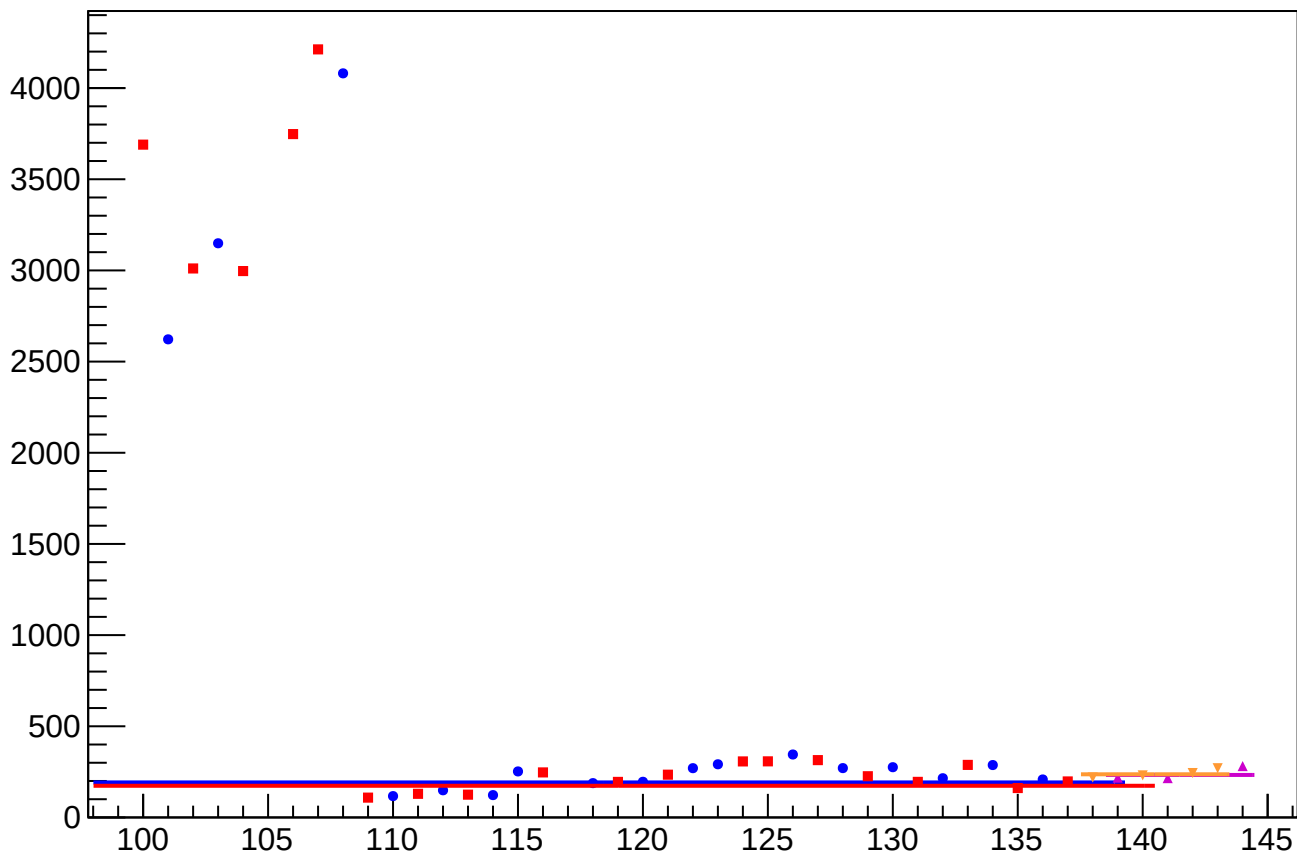
Left In: -249.310 $\pm$ 153.195 χ^2 /NDF: 0.9/2

+ sign 77.655 $\pm$ 75.757 χ^2 /NDF: 12.7/20

All: 6.318 $\pm$ 52.100 χ^2 /NDF: 28.4/42

- sign -57.700 $\pm$ 71.766 χ^2 /NDF: 14.0/21

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 192.118+/-0.062 χ^2/NDF : 3575311.3/16

Left Out: 236.667+/-0.104 χ^2/NDF :31391.6/3

Right Out: 173.728+/-0.057 χ^2/NDF : 4205626.6/18

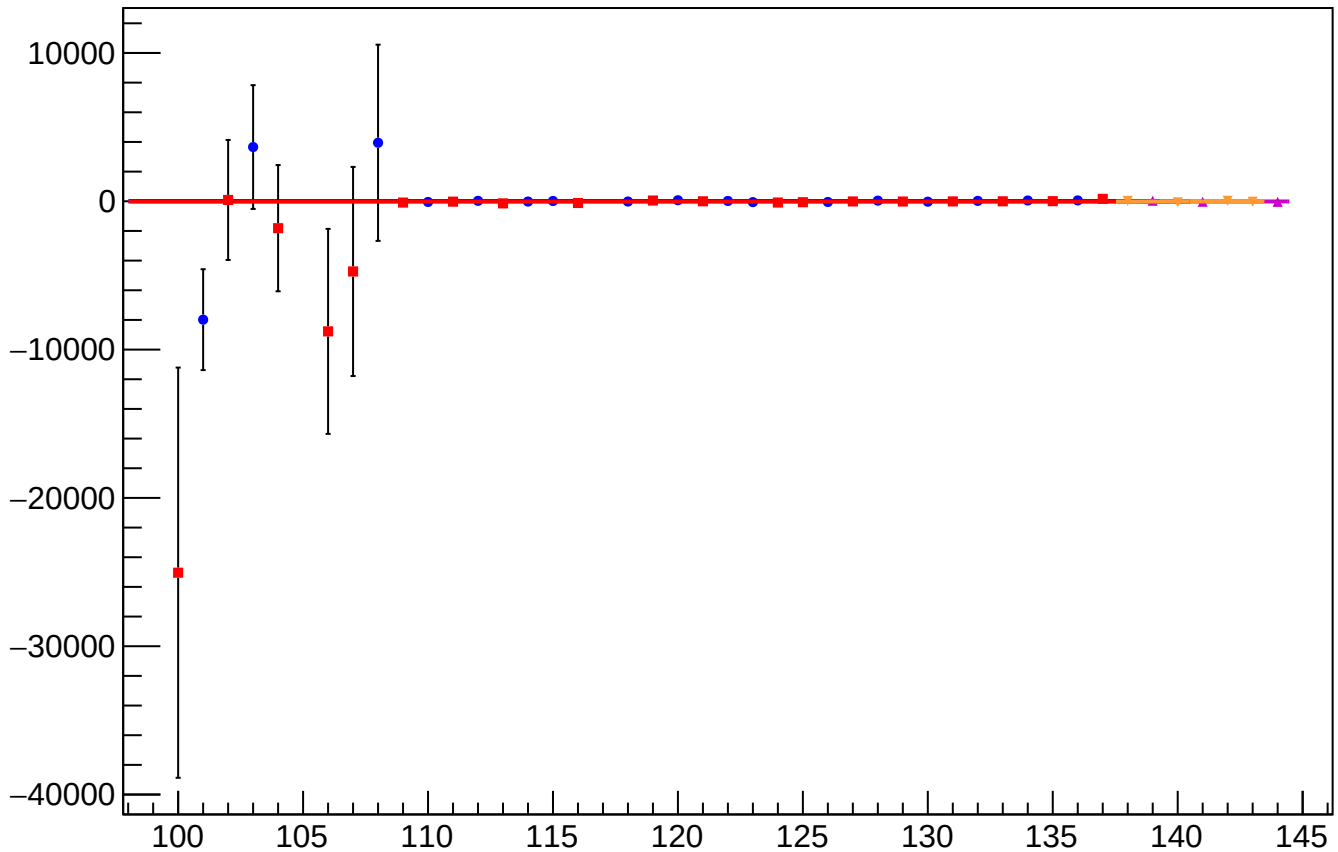
Left In: 233.125+/-0.108 χ^2/NDF :67581.2/2

+ sign 203.832+/-0.054 χ^2/NDF : 3740735.5/20

All: 194.836+/-0.037 χ^2/NDF : 8302131.9/42

- sign 186.763+/-0.051 χ^2/NDF : 4507887.2/21

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 14.225+/-13.662 χ^2/NDF : 14.8/16

Left Out: -16.352+/-20.539 χ^2/NDF : 4.8/3

Right Out: -22.859+/-13.697 χ^2/NDF : 27.3/18

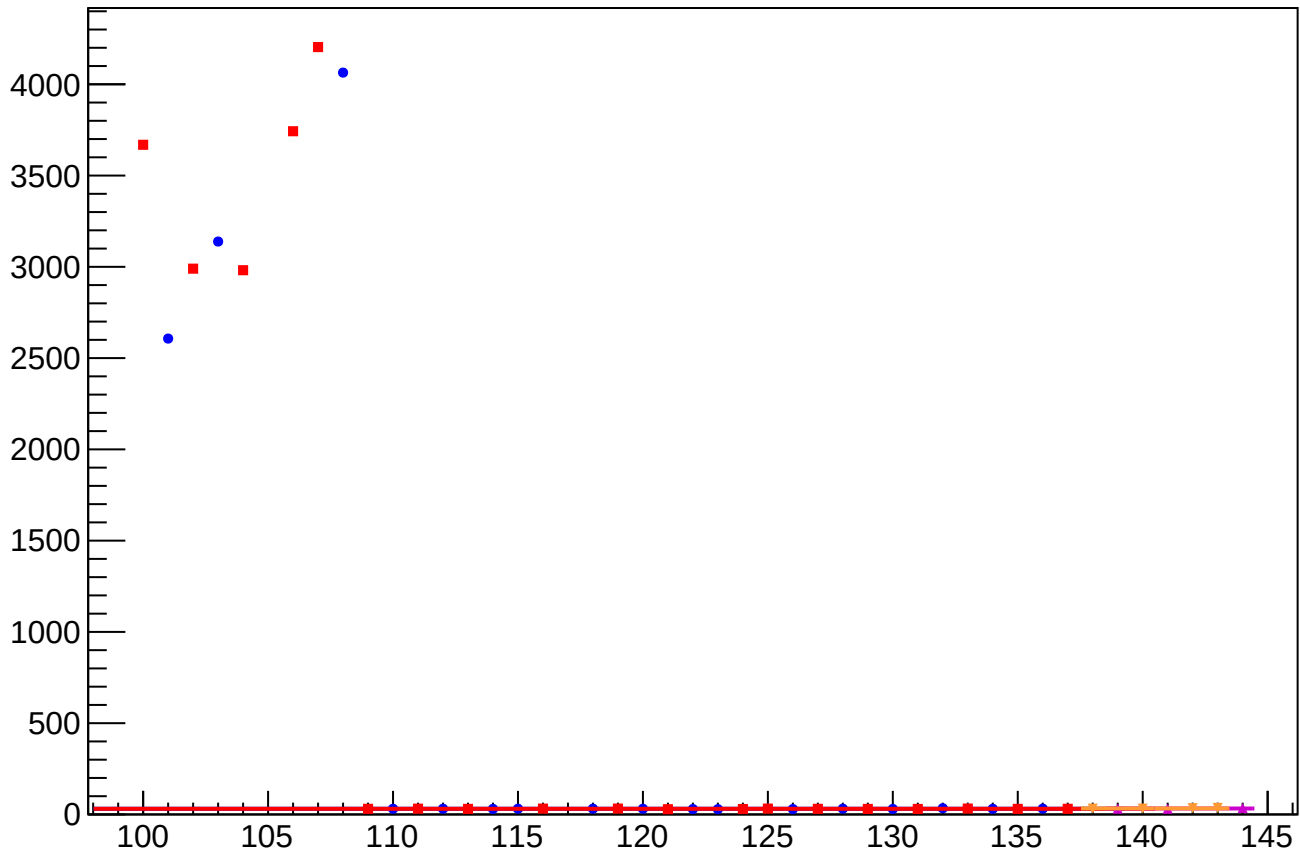
Left In: -12.899+/-21.178 χ^2/NDF : 2.4/2

+ sign 4.846+/-11.375 χ^2/NDF : 21.1/20

All: -7.402+/-8.088 χ^2/NDF : 53.4/42

- sign -19.922+/-11.501 χ^2/NDF : 29.9/21

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: 33.159 $\pm$ 0.015 χ^2 /NDF:12582.4/3

Right Out: 30.985 $\pm$ 0.010 χ^2 /NDF: 3458900.0/18

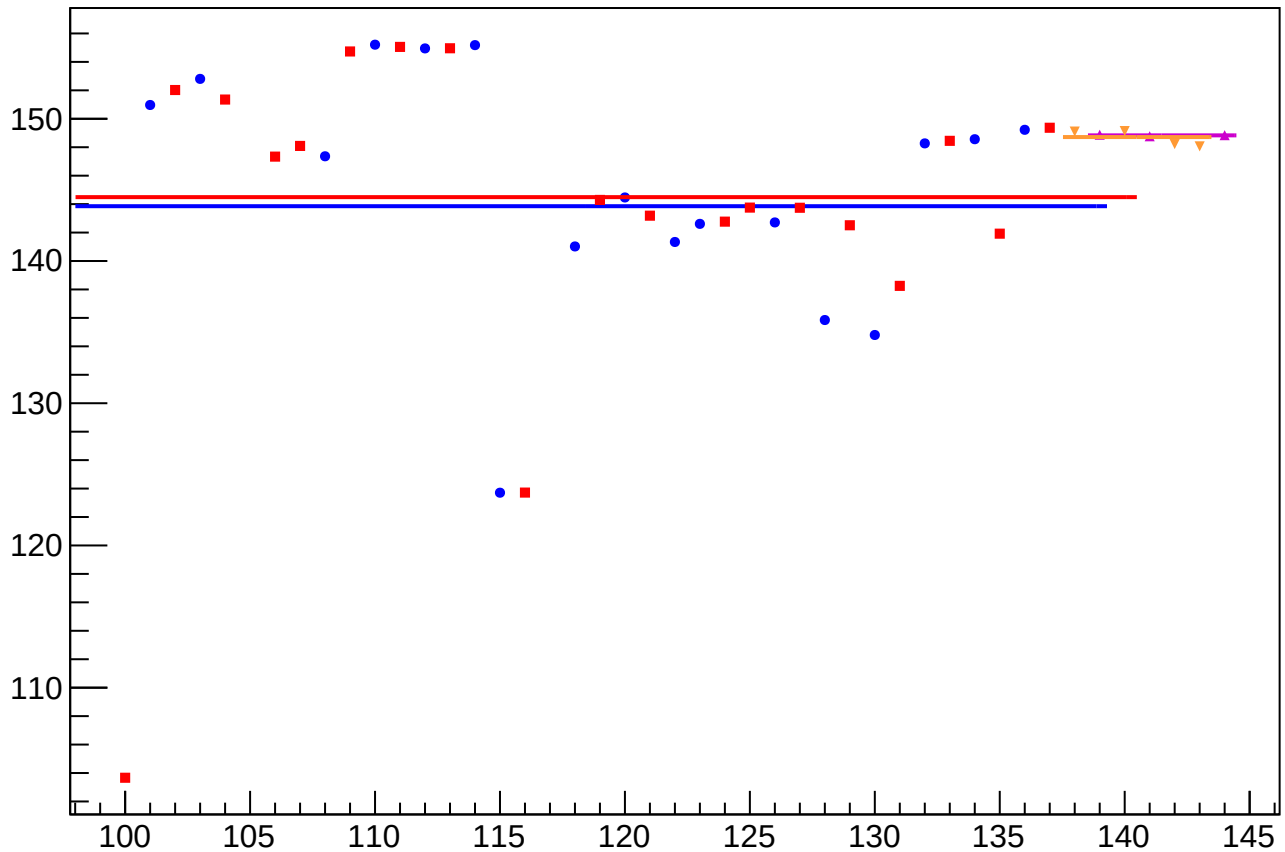
Left In: 32.603 $\pm$ 0.015 χ^2 /NDF:14559.6/2

+ sign 31.772 $\pm$ 0.008 χ^2 /NDF: 3039914.7/20

All: 31.618 $\pm$ 0.006 χ^2 /NDF: 6522333.5/42

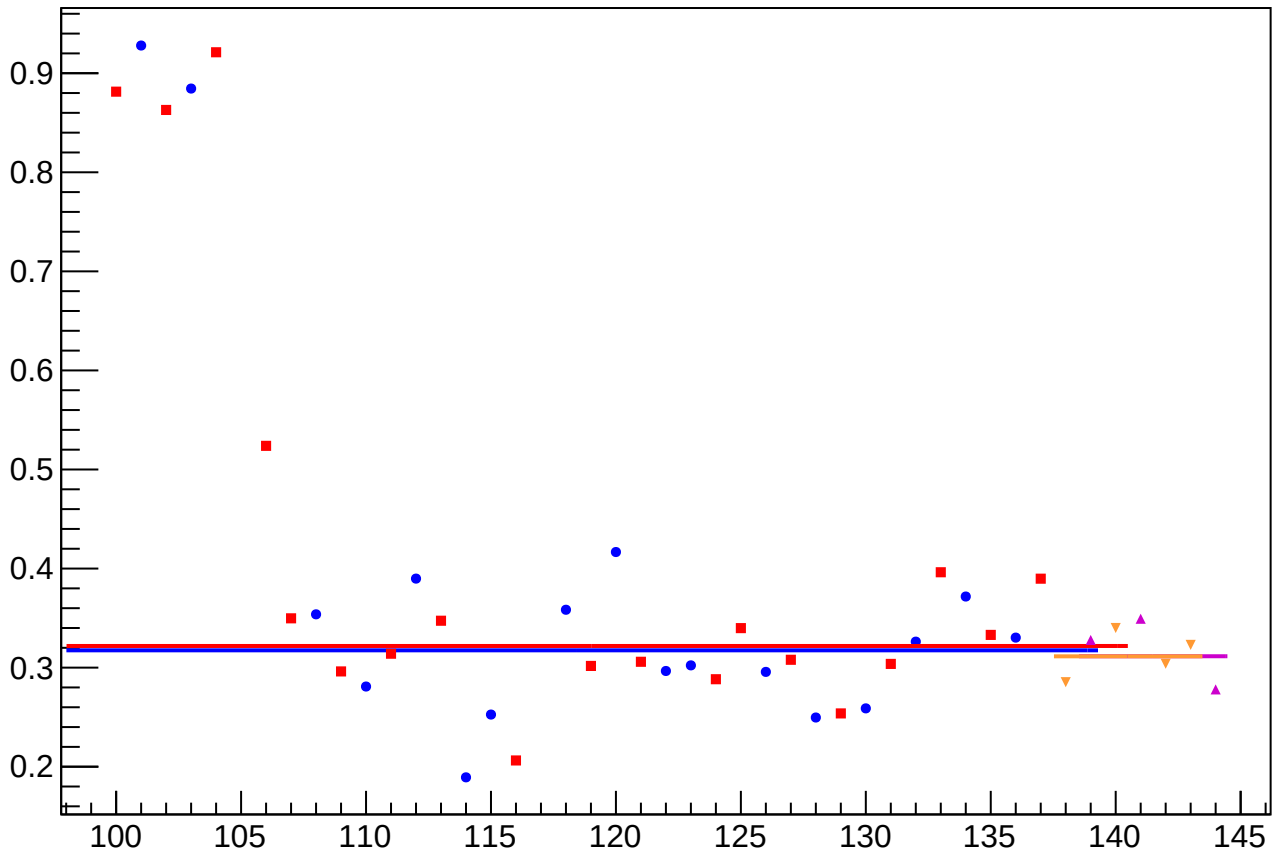
- sign 31.462 $\pm$ 0.008 χ^2 /NDF: 3481686.2/21

yield_bcm_an_ds_mean vs Slug



Right In: 143.854 $\pm$ 0.000 χ^2/NDF : 3448306444.5/16
 Left Out: 148.715 $\pm$ 0.000 χ^2/NDF : 6201603.0/3
 Right Out: 144.491 $\pm$ 0.000 χ^2/NDF : 4184461794.3/18
 Left In: 148.834 $\pm$ 0.000 χ^2/NDF : 41661.3/2
 All: 145.589 $\pm$ 0.000 χ^2/NDF : 8375725996.5
 + sign 145.413 $\pm$ 0.000 χ^2/NDF : 3873356443.1/20
 - sign 145.767 $\pm$ 0.000 χ^2/NDF : 4497316031.5/21

yield_bcm_an_ds_rms vs Slug



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1273243.2/16

Left Out: 0.311 $\pm$ 0.000 χ^2 /NDF:25086.4/3

Right Out: 0.322 $\pm$ 0.000 χ^2 /NDF: 1215219.2/18

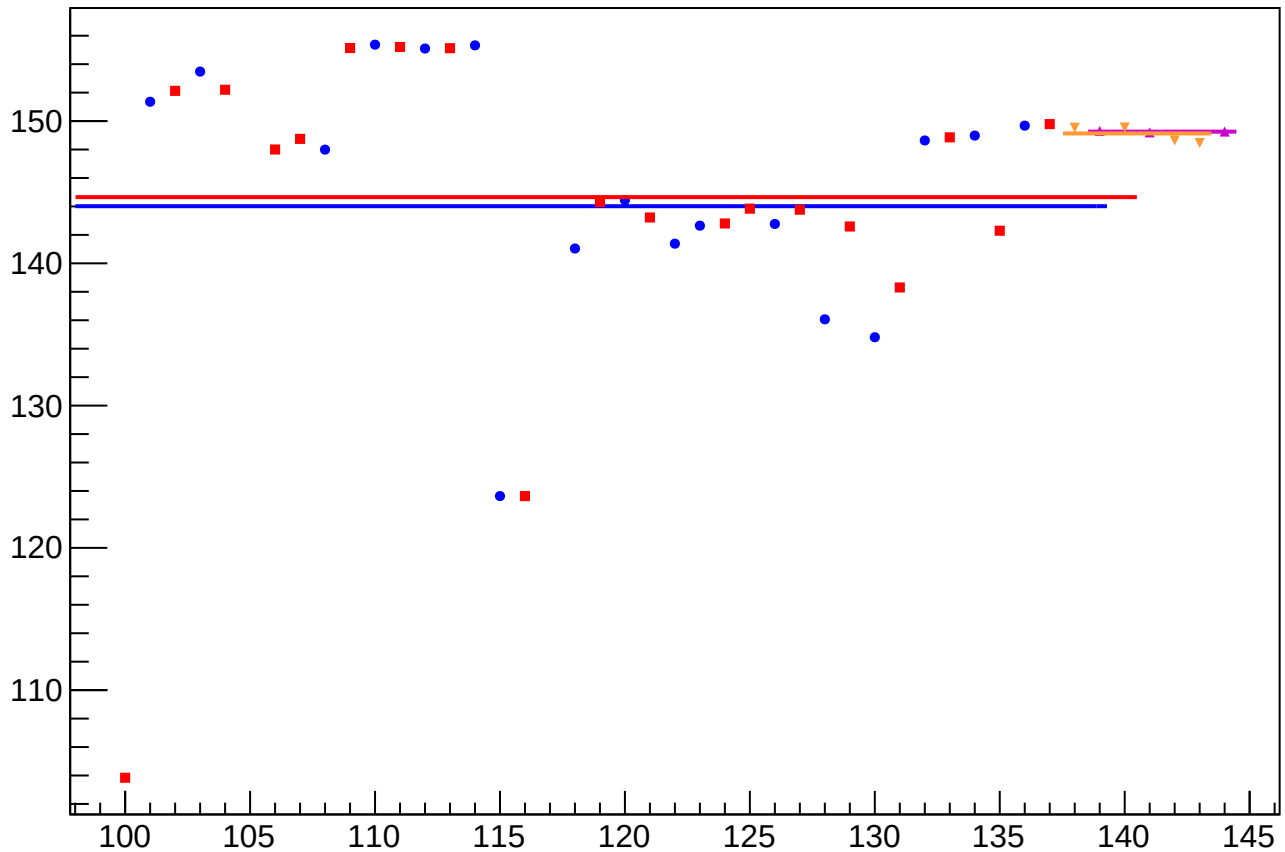
Left In: 0.311 $\pm$ 0.000 χ^2 /NDF:46458.6/2

+ sign 0.316 $\pm$ 0.000 χ^2 /NDF: 1299631.3/20

All: 0.317 $\pm$ 0.000 χ^2 /NDF: 2565744.1/42

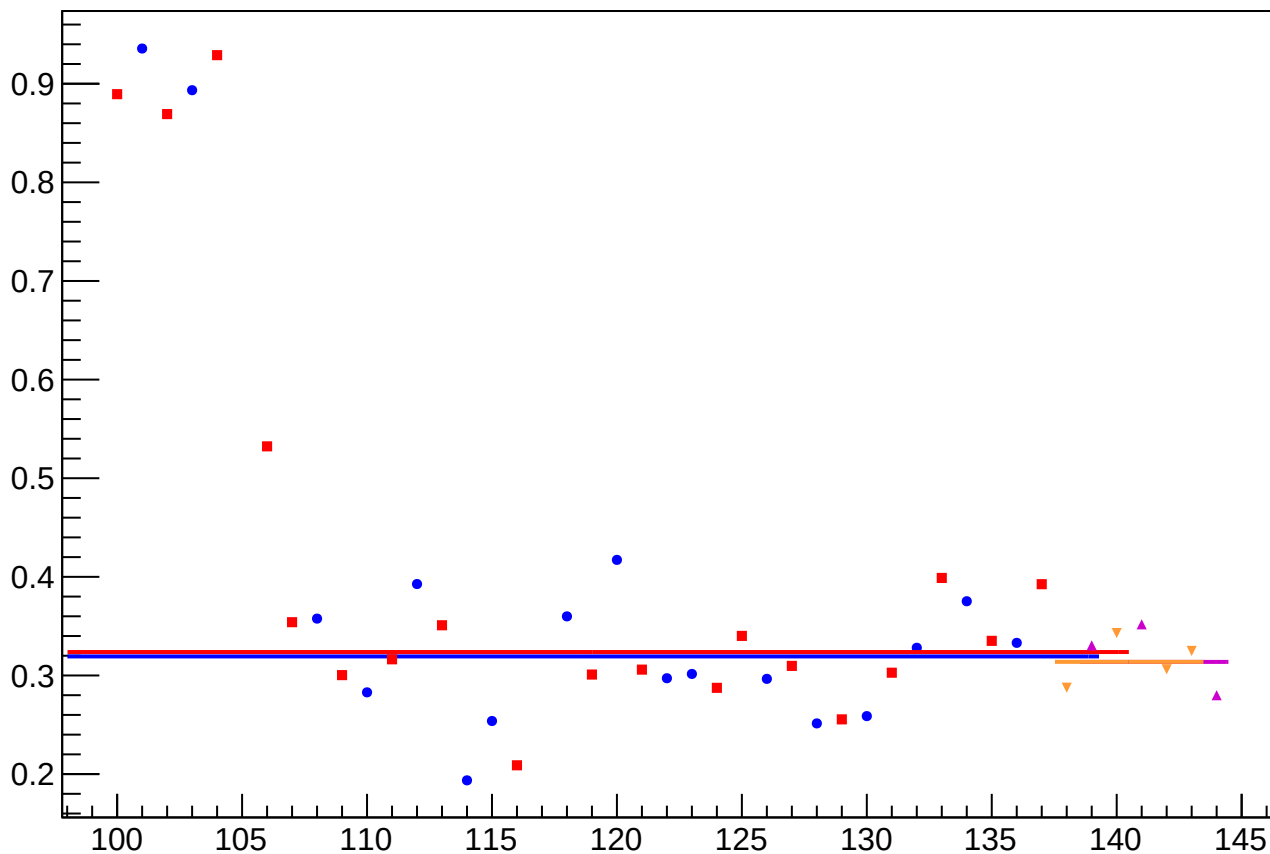
- sign 0.319 $\pm$ 0.000 χ^2 /NDF: 1265242.1/21

yield_bcm_an_ds3_mean vs Slug



Right In: 144.016 $\pm$ 0.000 χ^2 /NDF: 3492221319.5/16
 Left Out: 149.132 $\pm$ 0.000 χ^2 /NDF: 6361736.2/3
 Right Out: 144.655 $\pm$ 0.000 χ^2 /NDF: 4208783732.4/18
 Left In: 149.258 $\pm$ 0.000 χ^2 /NDF: 31097.4/2
 + sign 145.653 $\pm$ 0.000 χ^2 /NDF: 3955867755.4/20
 All: 145.827 $\pm$ 0.000 χ^2 /NDF: 8516143514.8
 - sign 146.005 $\pm$ 0.000 χ^2 /NDF: 4555336040.4/21

yield_bcm_an_ds3_rms vs Slug



Right In: 0.319 $\pm$ 0.000 χ^2 /NDF: 1274809.7/16

Left Out: 0.314 $\pm$ 0.000 χ^2 /NDF: 25132.2/3

Right Out: 0.324 $\pm$ 0.000 χ^2 /NDF: 1217547.6/18

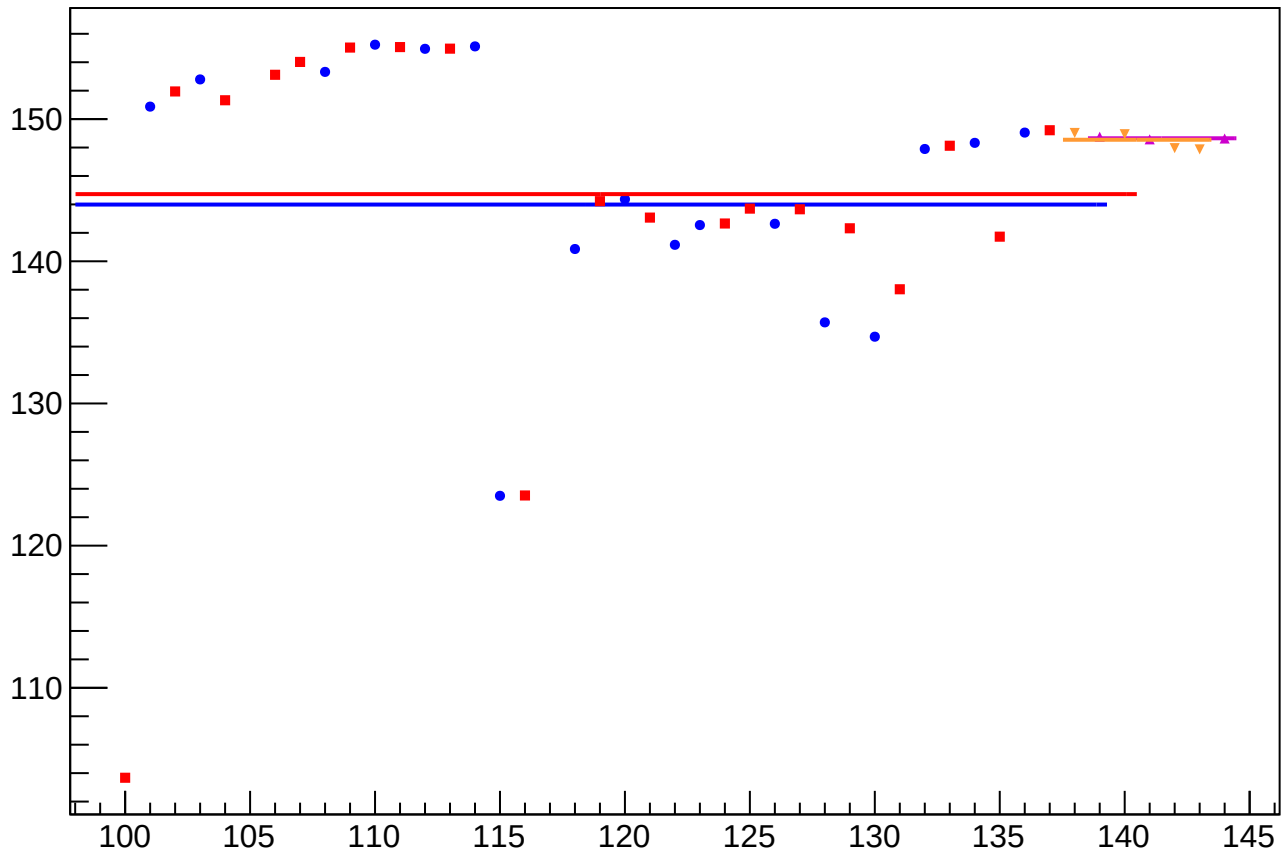
Left In: 0.314 $\pm$ 0.000 χ^2 /NDF: 46617.6/2

+ sign 0.318 $\pm$ 0.000 χ^2 /NDF: 1300991.6/20

All: 0.319 $\pm$ 0.000 χ^2 /NDF: 2569299.2/42

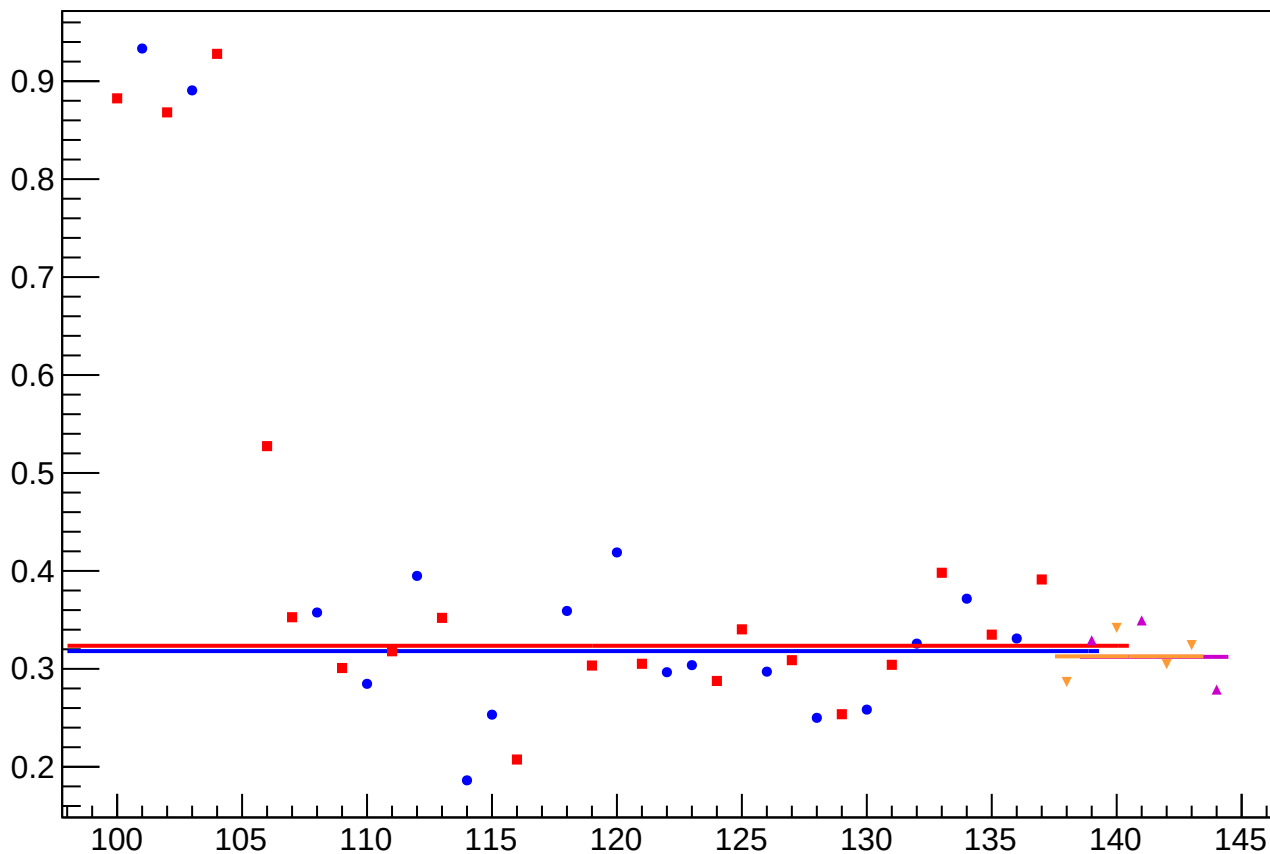
- sign 0.321 $\pm$ 0.000 χ^2 /NDF: 1267448.3/21

yield_bcm_an_us_mean vs Slug



Right In: 143.990 $\pm$ 0.000 χ^2 /NDF: 3661758828.8/16
 Left Out: 148.548 $\pm$ 0.000 χ^2 /NDF: 7333292.7/3
 Right Out: 144.724 $\pm$ 0.000 χ^2 /NDF: 4474261871.8/18
 Left In: 148.651 $\pm$ 0.000 χ^2 /NDF: 114091.4/2
 + sign 145.449 $\pm$ 0.000 χ^2 /NDF: 4034358564.2/20
 All: 145.664 $\pm$ 0.000 χ^2 /NDF: 8770390135.4
 - sign 145.883 $\pm$ 0.000 χ^2 /NDF: 4728488971.9/21

yield_bcm_an_us_rms vs Slug



Right In: 0.318 $\pm$ 0.000 χ^2 /NDF: 1287972.7/16

Left Out: 0.313 $\pm$ 0.000 χ^2 /NDF: 25280.6/3

Right Out: 0.324 $\pm$ 0.000 χ^2 /NDF: 1220104.3/18

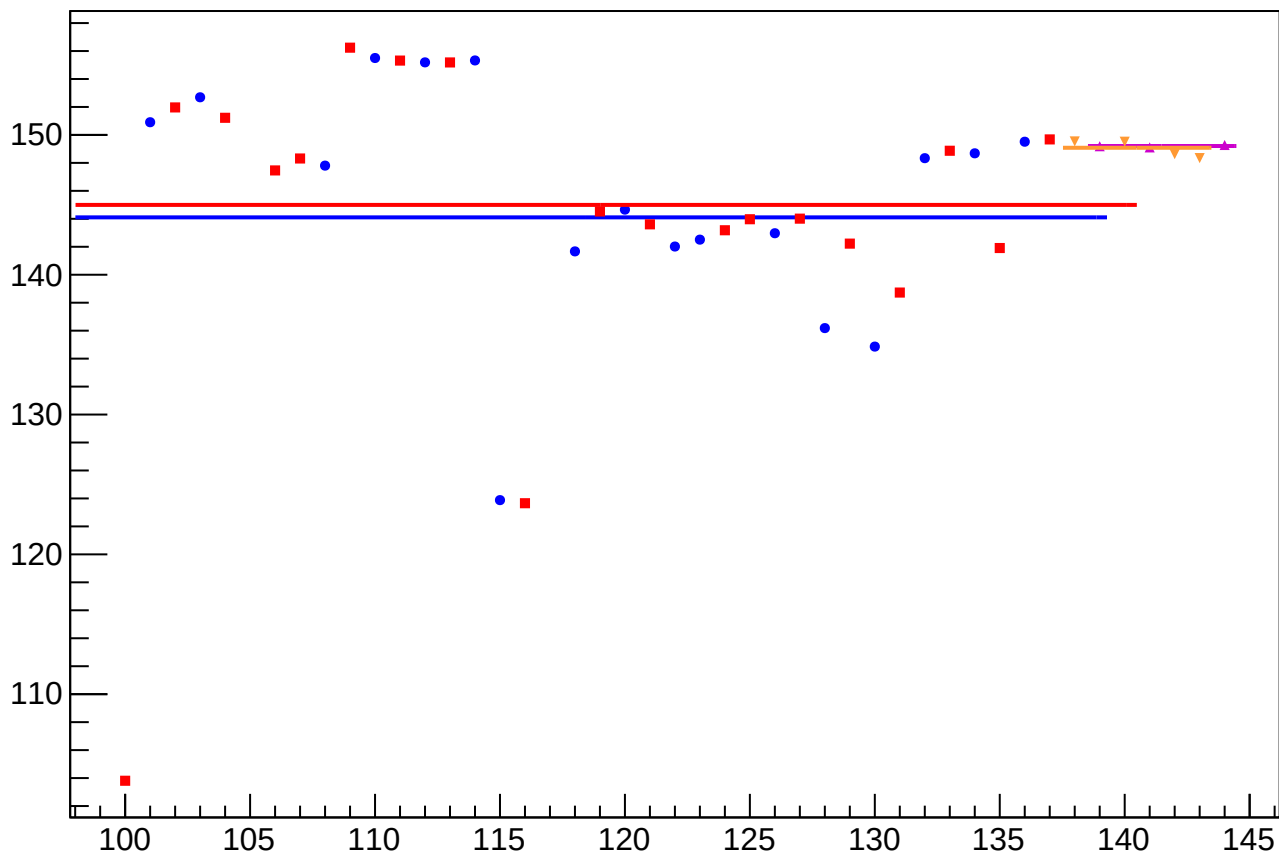
Left In: 0.312 $\pm$ 0.000 χ^2 /NDF: 45735.9/2

+ sign 0.316 $\pm$ 0.000 χ^2 /NDF: 1314267.8/20

All: 0.318 $\pm$ 0.000 χ^2 /NDF: 2585490.3/42

- sign 0.320 $\pm$ 0.000 χ^2 /NDF: 1270059.0/21

yield_bcm_dg_us_mean vs Slug



Right In: 144.104 $\pm$ 0.000 χ^2 /NDF: 3160280337.5/16

Left Out: 149.081 $\pm$ 0.000 χ^2 /NDF: 6416077.3/3

Right Out: 144.995 $\pm$ 0.000 χ^2 /NDF: 3854490205.5/18

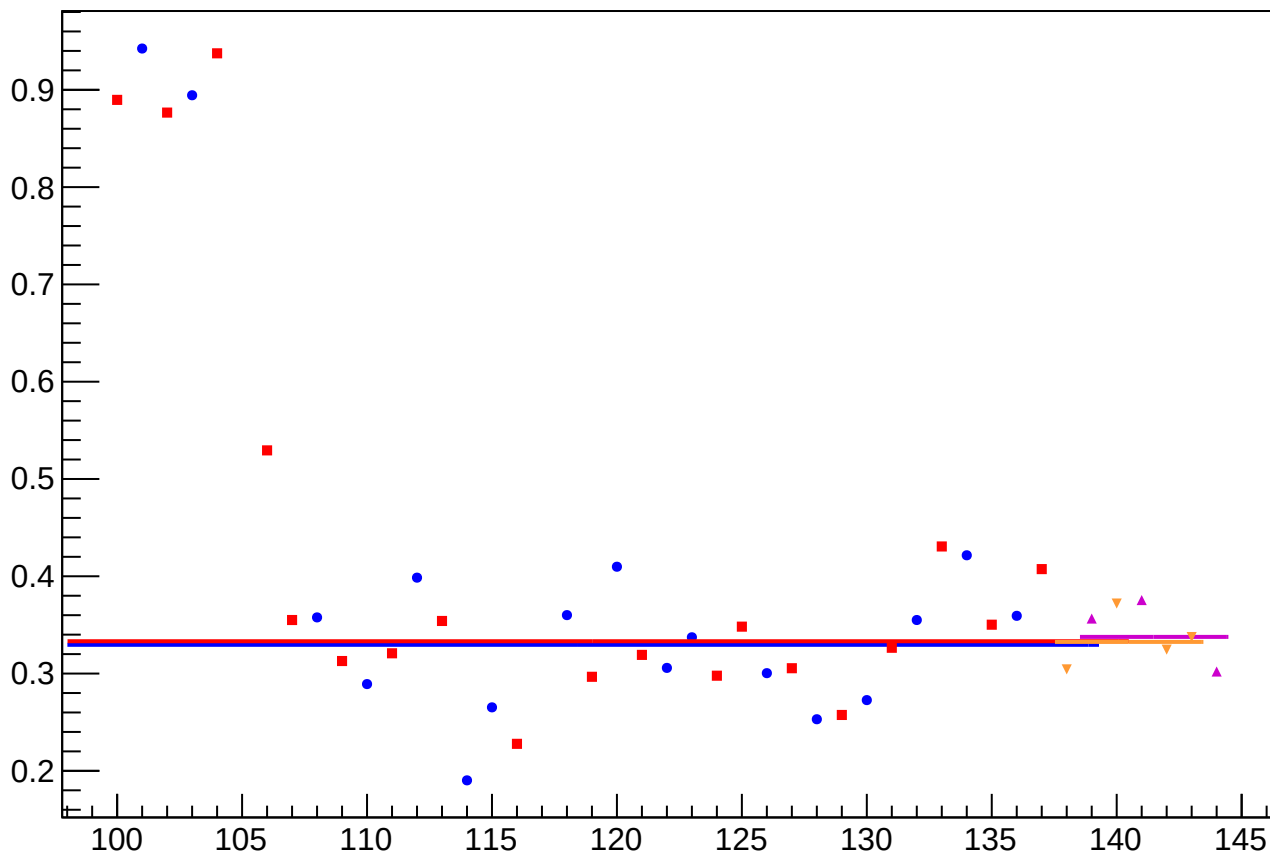
Left In: 149.207 $\pm$ 0.000 χ^2 /NDF: 105773.2/2

+ sign 145.626 $\pm$ 0.000 χ^2 /NDF: 3553707096.4/20

All: 145.884 $\pm$ 0.000 χ^2 /NDF: 7673297820.8

- sign 146.147 $\pm$ 0.000 χ^2 /NDF: 4109720902.5/21

yield_bcm_dg_us_rms vs Slug



Right In: 0.330 $\pm$ 0.000 χ^2 /NDF: 1270354.0/16

Left Out: 0.333 $\pm$ 0.000 χ^2 /NDF:30033.3/3

Right Out: 0.333 $\pm$ 0.000 χ^2 /NDF: 1179001.1/18

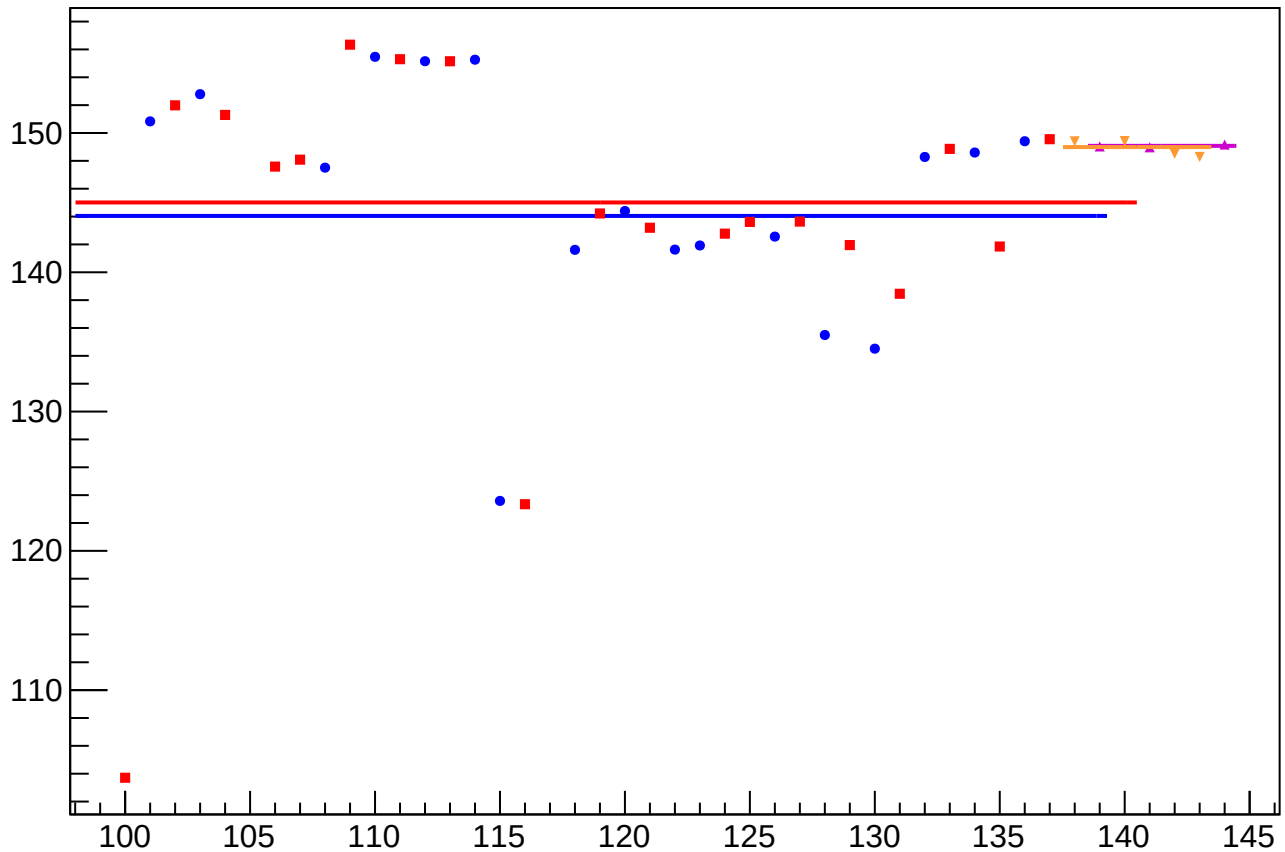
Left In: 0.338 $\pm$ 0.000 χ^2 /NDF:42771.3/2

+ sign 0.330 $\pm$ 0.000 χ^2 /NDF: 1300665.2/20

All: 0.332 $\pm$ 0.000 χ^2 /NDF: 2524166.2/42

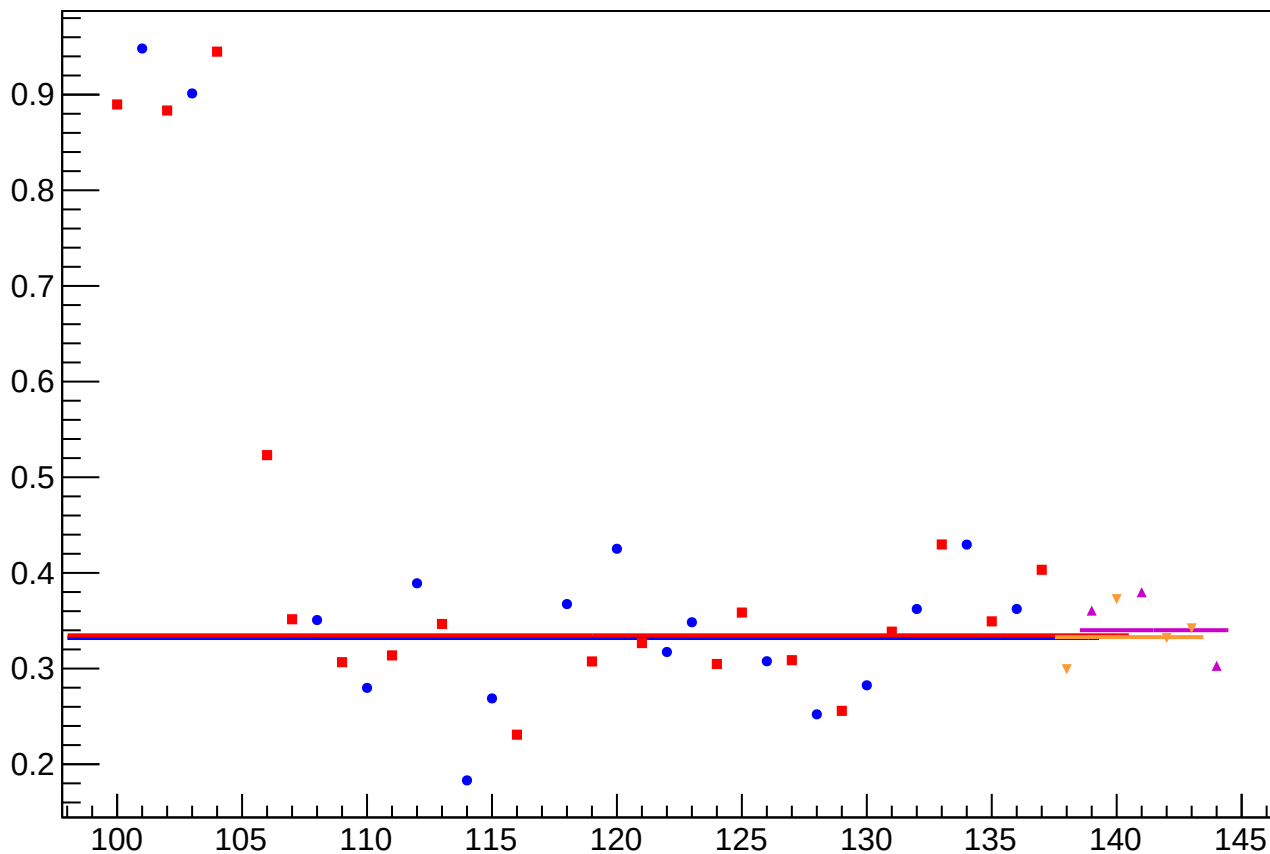
- sign 0.334 $\pm$ 0.000 χ^2 /NDF: 1222345.2/21

yield_bcm_dg_ds_mean vs Slug



Right In: 144.046 $\pm$ 0.000	χ^2 /NDF: 3279467915.9/16	+ sign 145.568 $\pm$ 0.000	χ^2 /NDF: 3662862756.6/20
Left Out: 148.990 $\pm$ 0.000	χ^2 /NDF: 5848859.0/3	All: 145.840 $\pm$ 0.000	χ^2 /NDF: 7837659018.4
Right Out: 145.013 $\pm$ 0.000	χ^2 /NDF: 3930693089.2/18	- sign 146.117 $\pm$ 0.000	χ^2 /NDF: 4163989307.2/21
Left In: 149.077 $\pm$ 0.000	χ^2 /NDF: 141303.1/2		

yield_bcm_dg_ds_rms vs Slug



Right In: 0.332 $\pm$ 0.000 χ^2 /NDF: 1287882.2/16

Left Out: 0.333 $\pm$ 0.000 χ^2 /NDF:35697.6/3

Right Out: 0.335 $\pm$ 0.000 χ^2 /NDF: 1168458.2/18

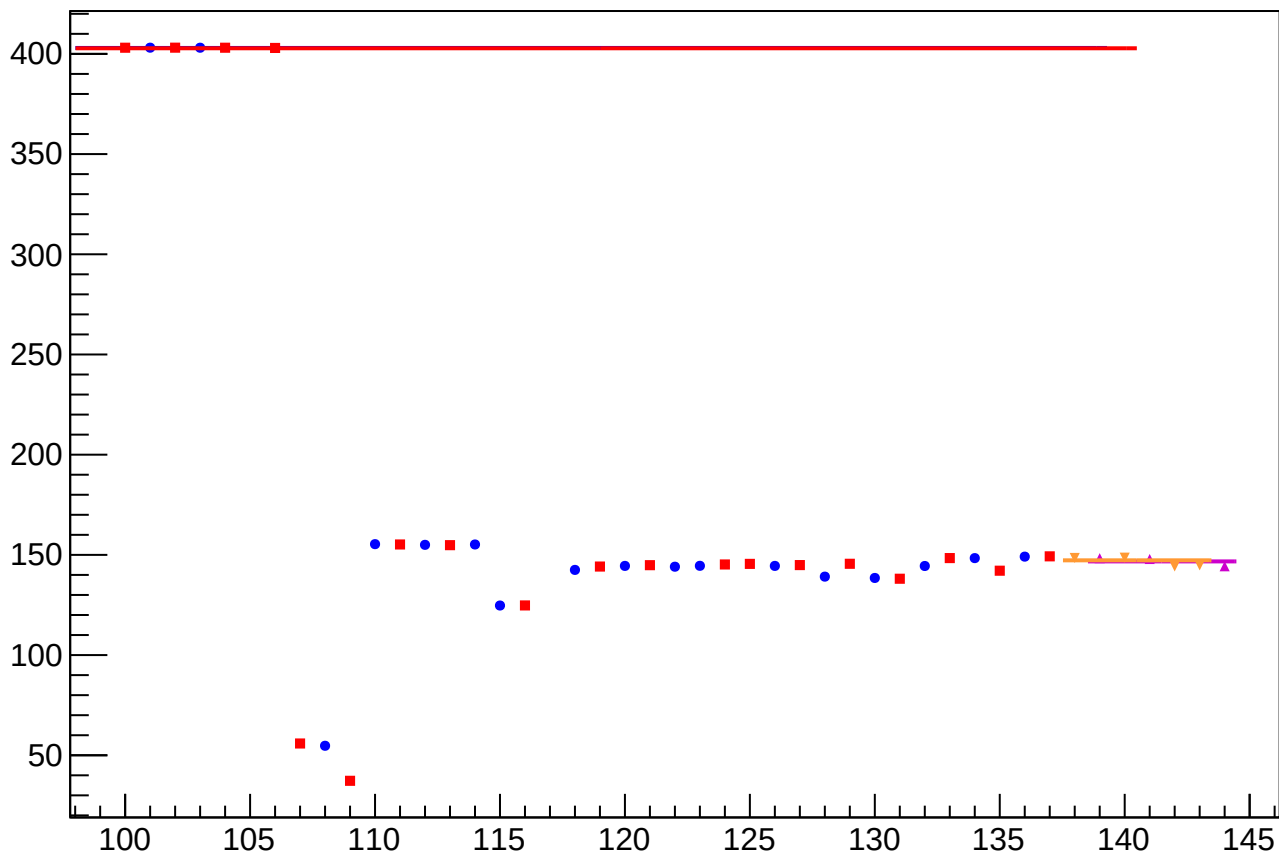
Left In: 0.340 $\pm$ 0.000 χ^2 /NDF:46298.9/2

+ sign 0.332 $\pm$ 0.000 χ^2 /NDF: 1323608.1/20

All: 0.334 $\pm$ 0.000 χ^2 /NDF: 2540312.7/42

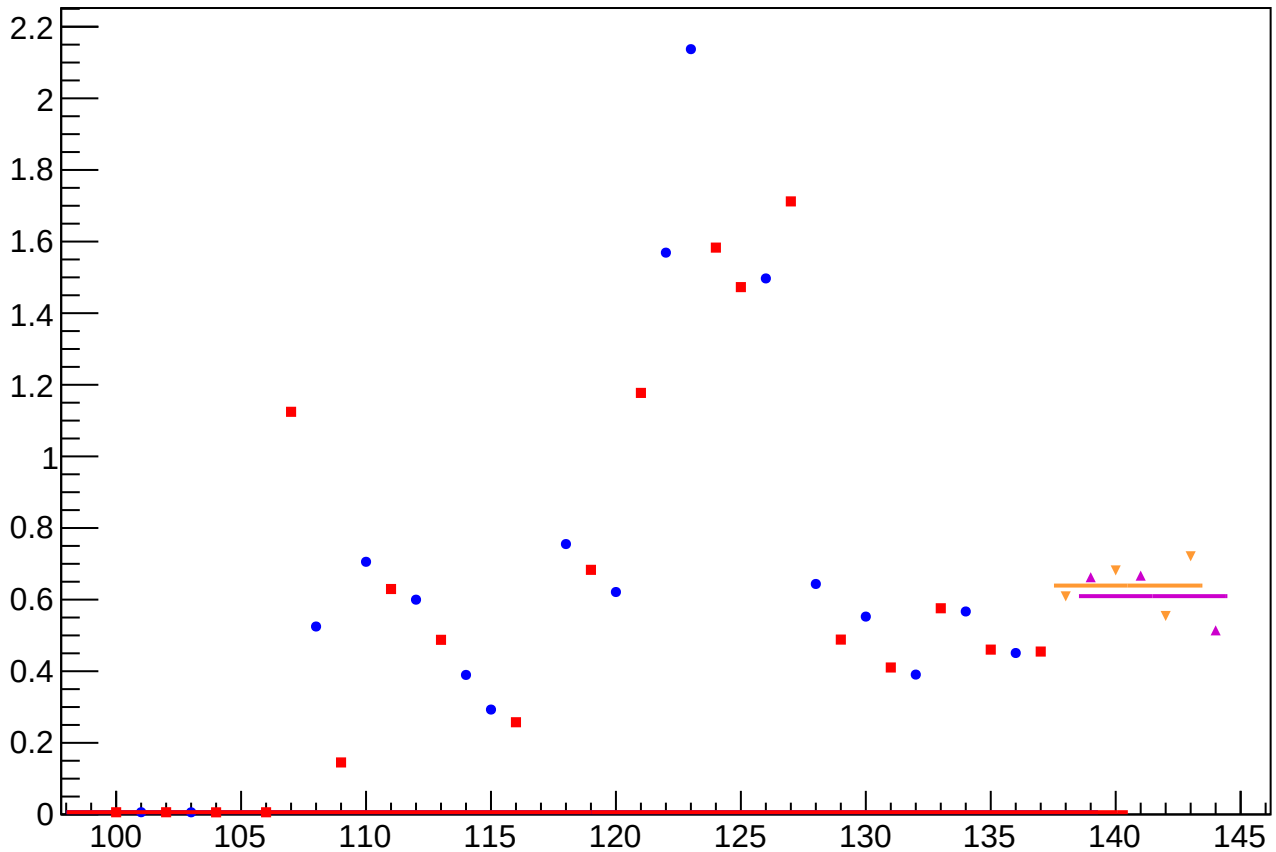
- sign 0.336 $\pm$ 0.000 χ^2 /NDF: 1215565.3/21

yield_cav4bQ_mean vs Slug



Right In: 402.957+/-0.000 χ^2/NDF : 1097981079296.6/16
 Left Out: 147.278+/-0.000 χ^2/NDF : 15622369.1/3
 Right Out: 402.798+/-0.000 χ^2/NDF : 3106239706226.1/18
 Left In: 146.743+/-0.000 χ^2/NDF : 15088824.8/2

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9127939.0/16

Left Out: 0.639+/-0.000 χ^2/NDF :27109.9/3

Right Out: 0.006+/-0.000 χ^2/NDF : 9171738.5/18

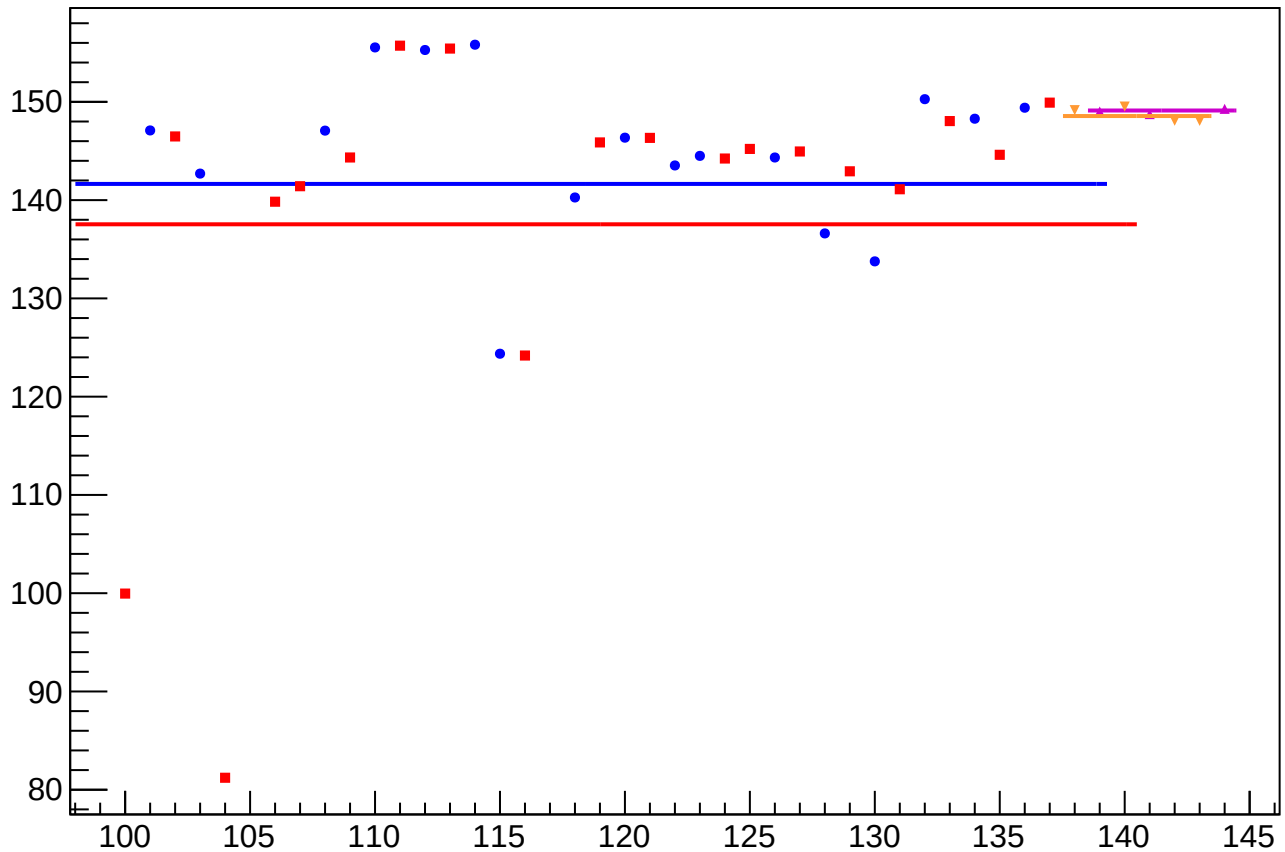
Left In: 0.610+/-0.000 χ^2/NDF :46437.3/2

+ sign 0.006+/-0.000 χ^2/NDF : 12701734.5/20

All: 0.006+/-0.000 χ^2/NDF : 25126274.1/42

- sign 0.006+/-0.000 χ^2/NDF : 12424517.7/21

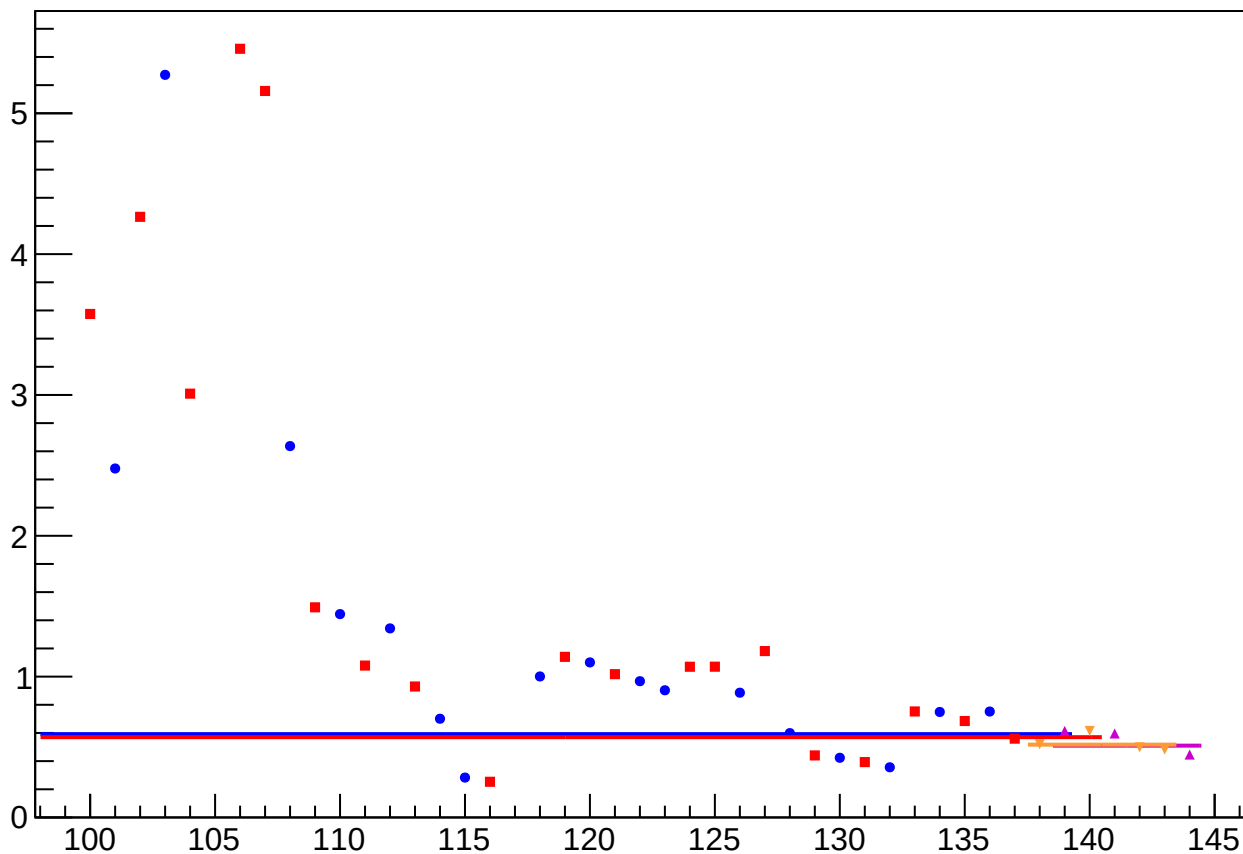
yield_cav4cQ_mean vs Slug



Right In: 141.649+/-0.000 χ^2/NDF : 978960977.0/16
 Left Out: 148.557+/-0.000 χ^2/NDF : 2616828.8/3
 Right Out: 137.540+/-0.000 χ^2/NDF : 1319926808.9/18
 Left In: 149.120+/-0.000 χ^2/NDF : 303128.9/2

+ sign 144.426+/-0.000 χ^2/NDF : 1175262858.9/20
 All: 143.124+/-0.000 χ^2/NDF : 3071185958.3
 - sign 141.801+/-0.000 χ^2/NDF : 1838258397.3/21

yield_cav4cQ_rms vs Slug



Right In: 0.592 ± 0.000 χ^2/NDF : 3518726.1/16

Left Out: 0.517 ± 0.000 χ^2/NDF : 30471.8/3

Right Out: 0.570 ± 0.000 χ^2/NDF : 4645113.2/18

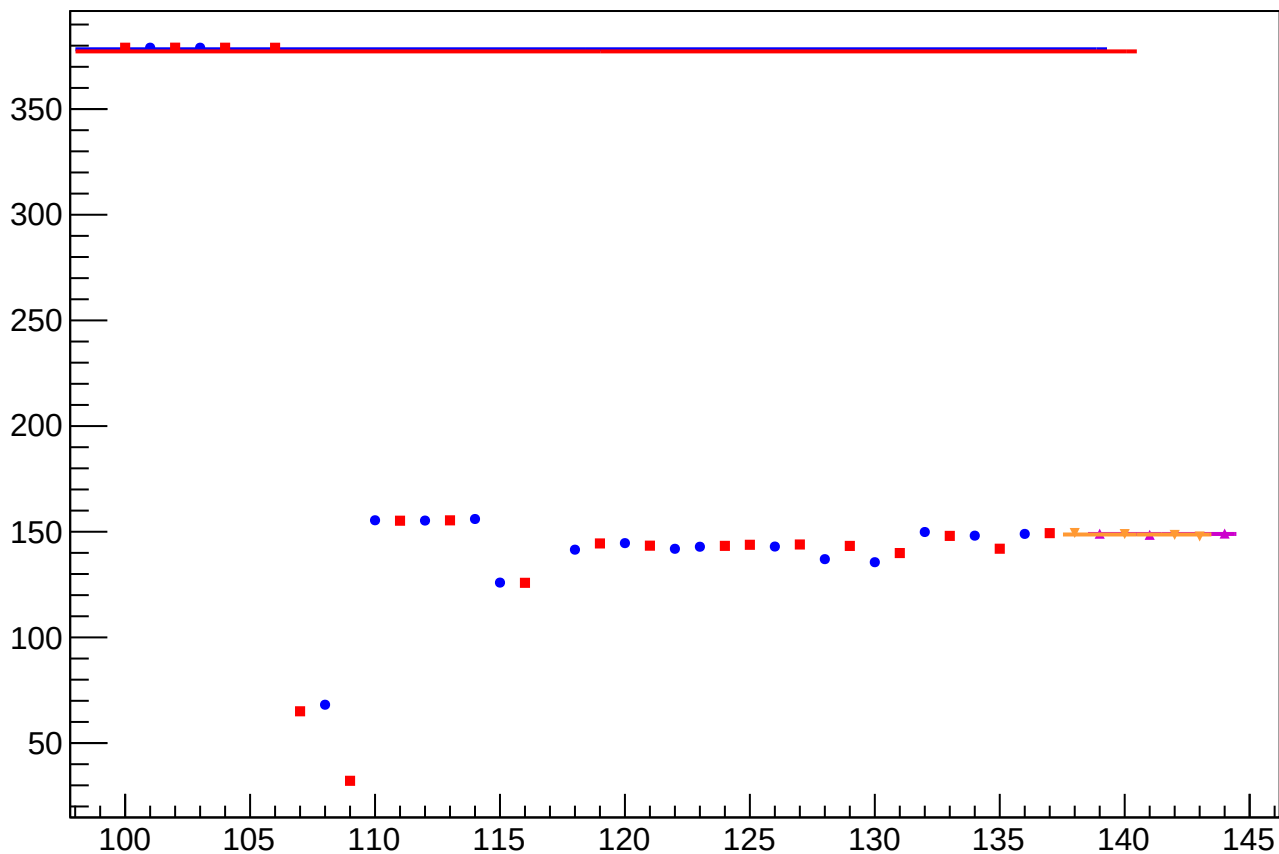
Left In: 0.510 ± 0.000 χ^2/NDF : 73207.2/2

+ sign 0.562 ± 0.000 χ^2/NDF : 3594440.8/20

All: 0.555 ± 0.000 χ^2/NDF : 8343949.8/42

- sign 0.548 ± 0.000 χ^2/NDF : 4746353.5/21

yield_cav4dQ_mean vs Slug



Right In: 378.288+/-0.000 χ^2/NDF : 2492505563660.4/16

Left Out: 148.698+/-0.000 χ^2/NDF : 7655005.4/3

Right Out: 377.290+/-0.000 χ^2/NDF : 8277094761031.6/18

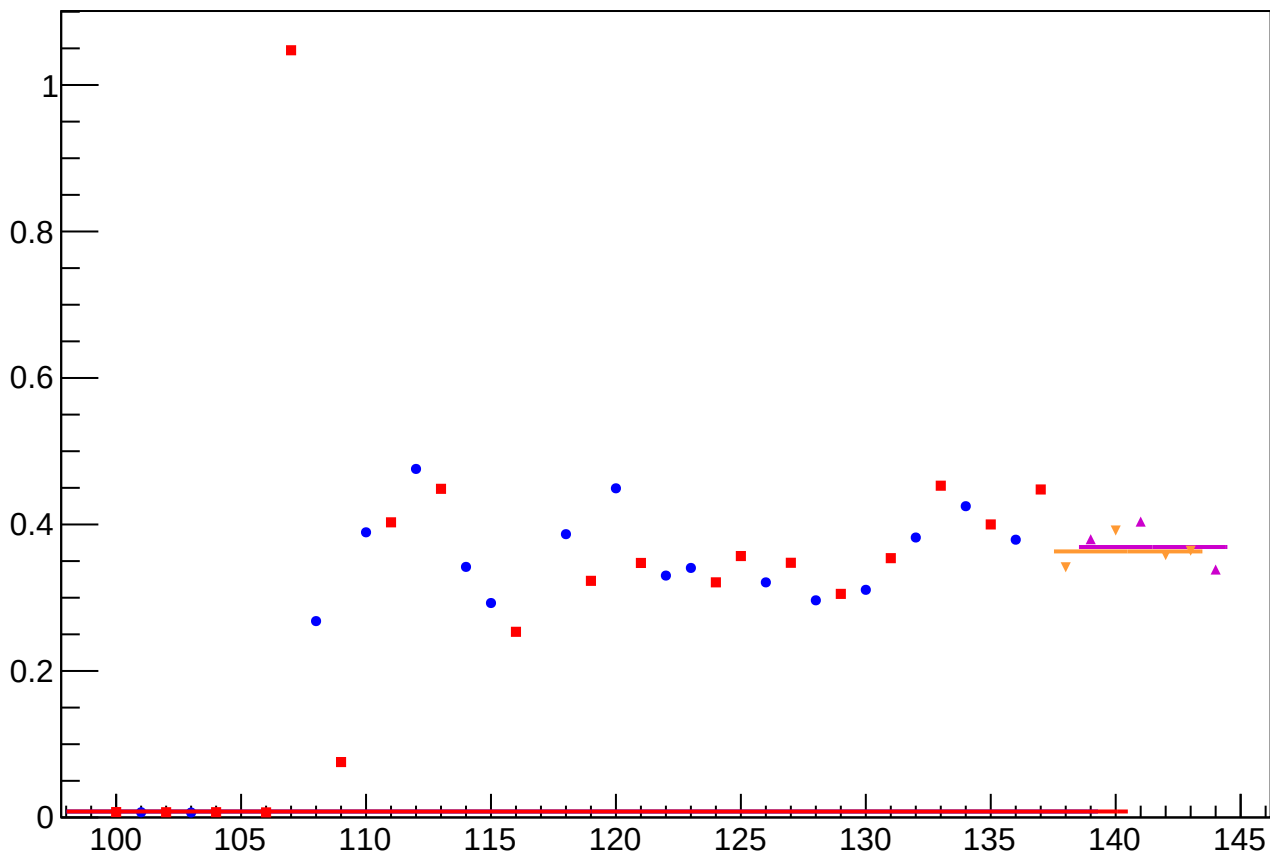
Left In: 148.946+/-0.000 χ^2/NDF : 1170016.5/2

+ sign 377.954+/-0.000 χ^2/NDF : 3511908197260.7

All: 377.465+/-0.000 χ^2/NDF : 12673639862

- sign 377.036+/-0.000 χ^2/NDF : 9155751431461.8

yield_cav4dQ_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 9842025.8/16

Left Out: 0.363 $\pm$ 0.000 χ^2 /NDF:14306.5/3

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 9491450.8/18

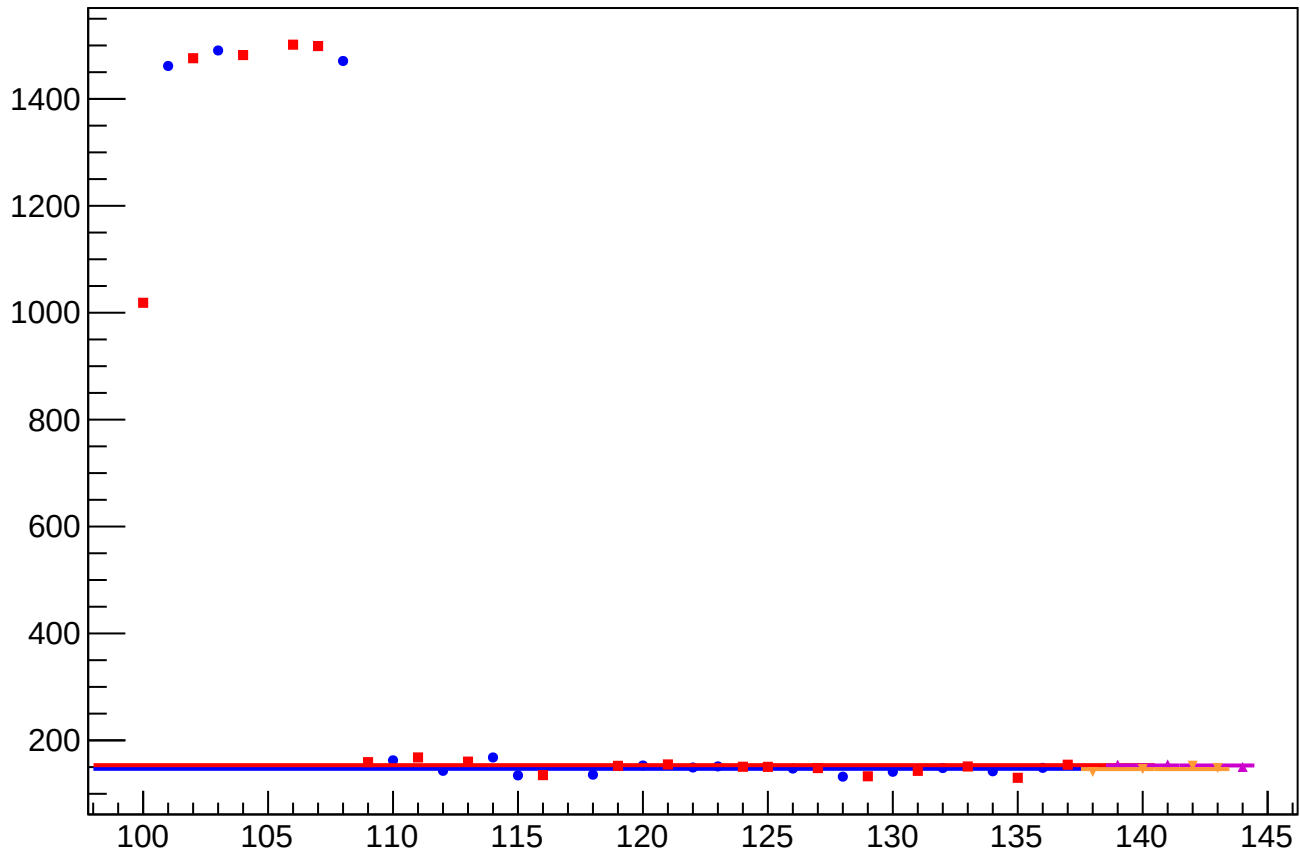
Left In: 0.369 $\pm$ 0.000 χ^2 /NDF:26936.7/2

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 14733079.2/20

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 28646014.1/42

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 13912815.2/21

yield_bcm0l02_mean vs Slug



Right In: 146.782 $\pm$ 0.000 χ^2 /NDF: 24345208780.4/16

Left Out: 146.246 $\pm$ 0.001 χ^2 /NDF: 41737788.6/3

Right Out: 153.596 $\pm$ 0.000 χ^2 /NDF: 33791266543.9/18

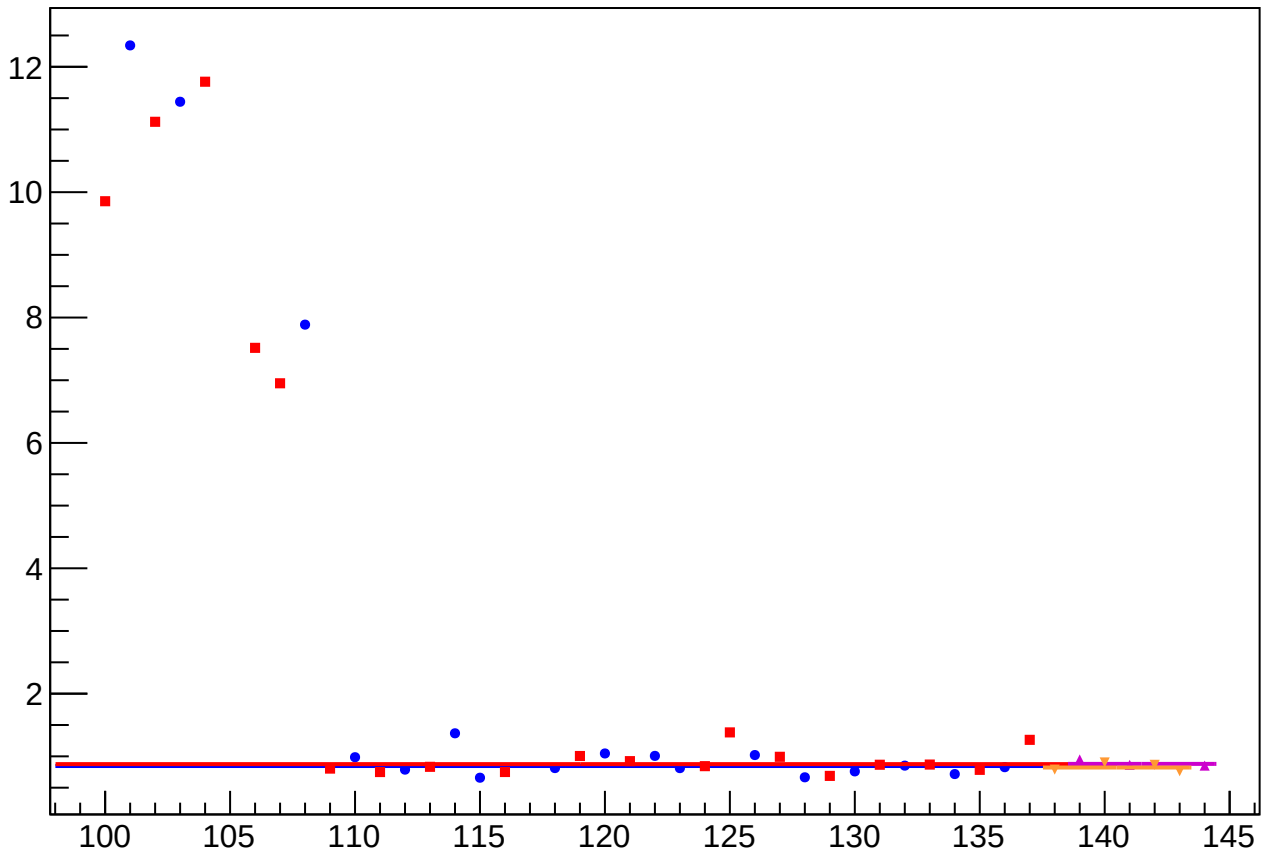
Left In: 153.018 $\pm$ 0.001 χ^2 /NDF: 11212734.3/2

+ sign 146.605 $\pm$ 0.000 χ^2 /NDF: 24387453451.9/20

All: 149.925 $\pm$ 0.000 χ^2 /NDF: 58370676744.0

- sign 153.424 $\pm$ 0.000 χ^2 /NDF: 33803006566.0/21

yield_bcm0l02_rms vs Slug



Right In: 0.846 $\pm$ 0.000 χ^2 /NDF: 2658649.7/16

Left Out: 0.822 $\pm$ 0.000 χ^2 /NDF:17742.9/3

Right Out: 0.876 $\pm$ 0.000 χ^2 /NDF: 2826804.8/18

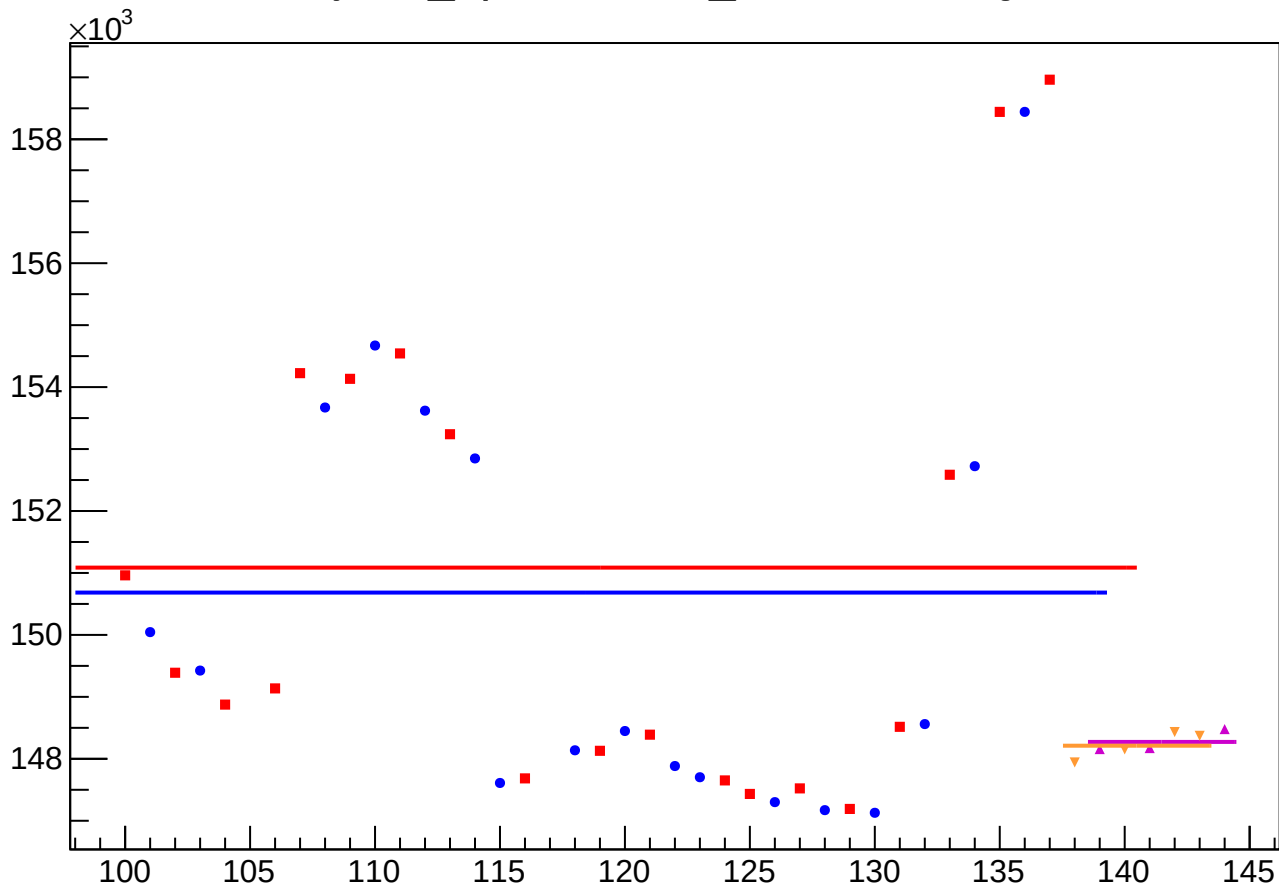
Left In: 0.880 $\pm$ 0.000 χ^2 /NDF:6935.9/2

+ sign 0.838 $\pm$ 0.000 χ^2 /NDF: 2678392.7/20

All: 0.857 $\pm$ 0.000 χ^2 /NDF: 5524168.7/42

- sign 0.877 $\pm$ 0.000 χ^2 /NDF: 2833780.7/21

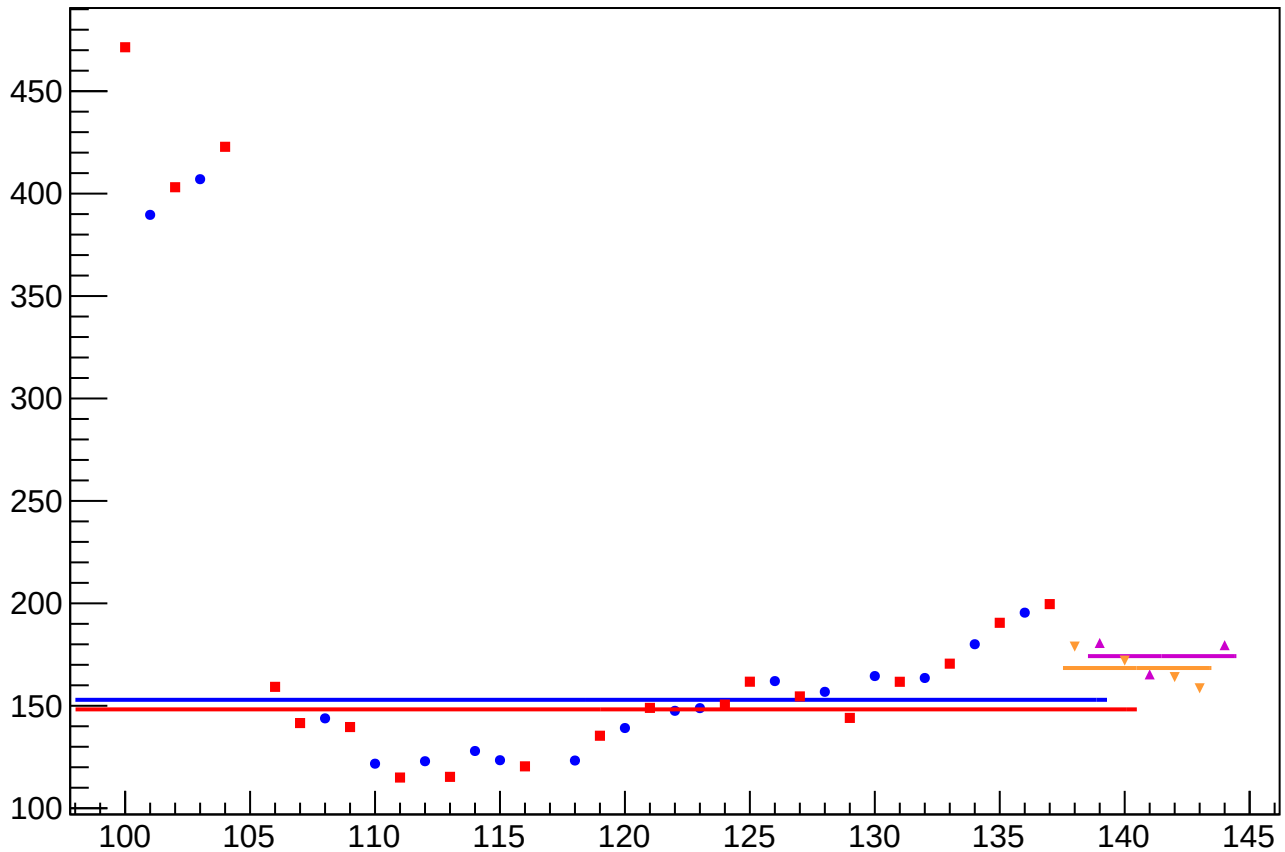
yield_bpm0i01WS_mean vs Slug



Right In: 150683.304 $\pm$ 0.063 χ^2 /NDF: 3299311261.5/16
 Left Out: 148211.608 $\pm$ 0.105 χ^2 /NDF: 3152979.9/3
 Right Out: 151086.261 $\pm$ 0.060 χ^2 /NDF: 3297509595.7/18
 Left In: 148272.664 $\pm$ 0.114 χ^2 /NDF: 1705512.1/2

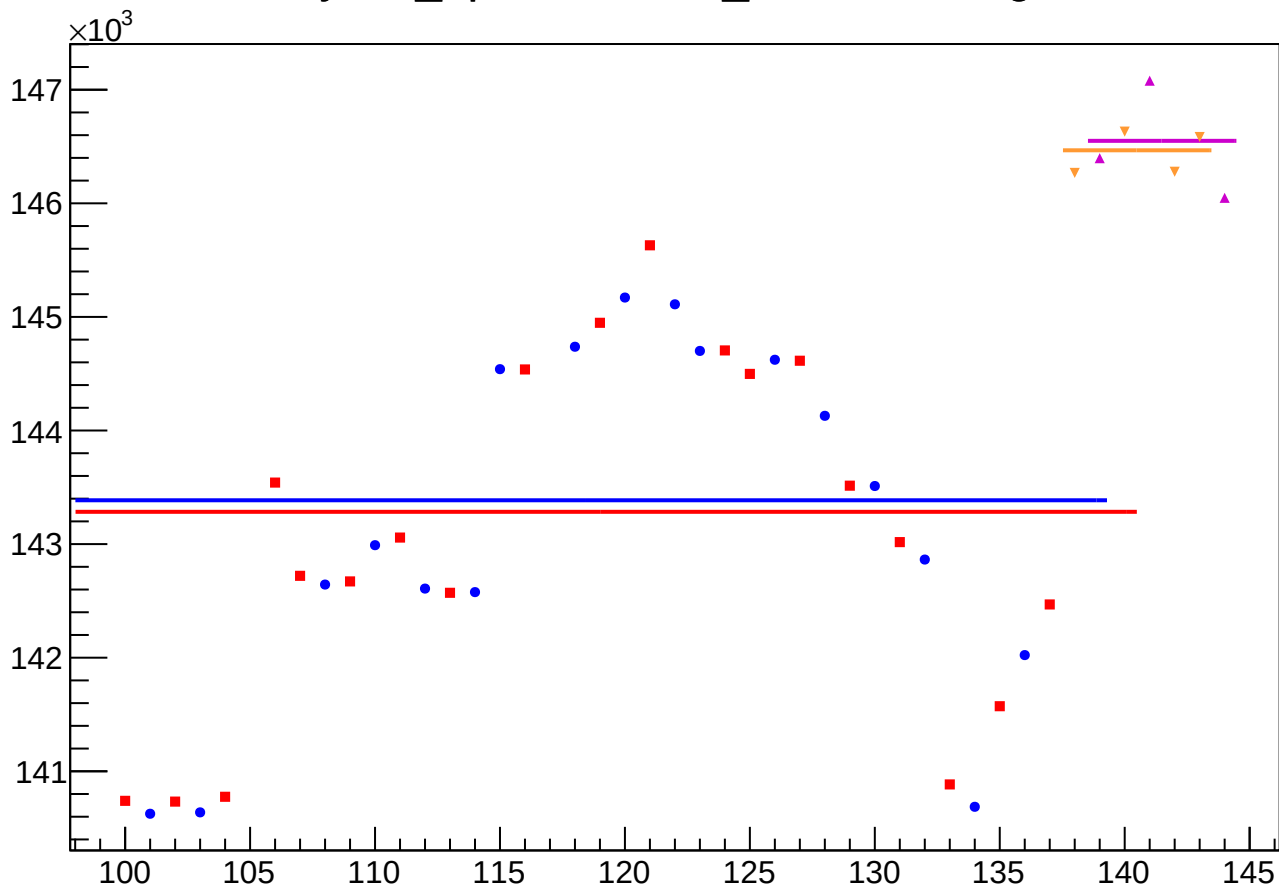
+ sign 150031.452 $\pm$ 0.054 χ^2 /NDF: 3707191181.0
 All: 150259.268 $\pm$ 0.038 χ^2 /NDF: 752226590
 - sign 150476.333 $\pm$ 0.053 χ^2 /NDF: 3780496108.8/

yield_bpm0i01WS_rms vs Slug



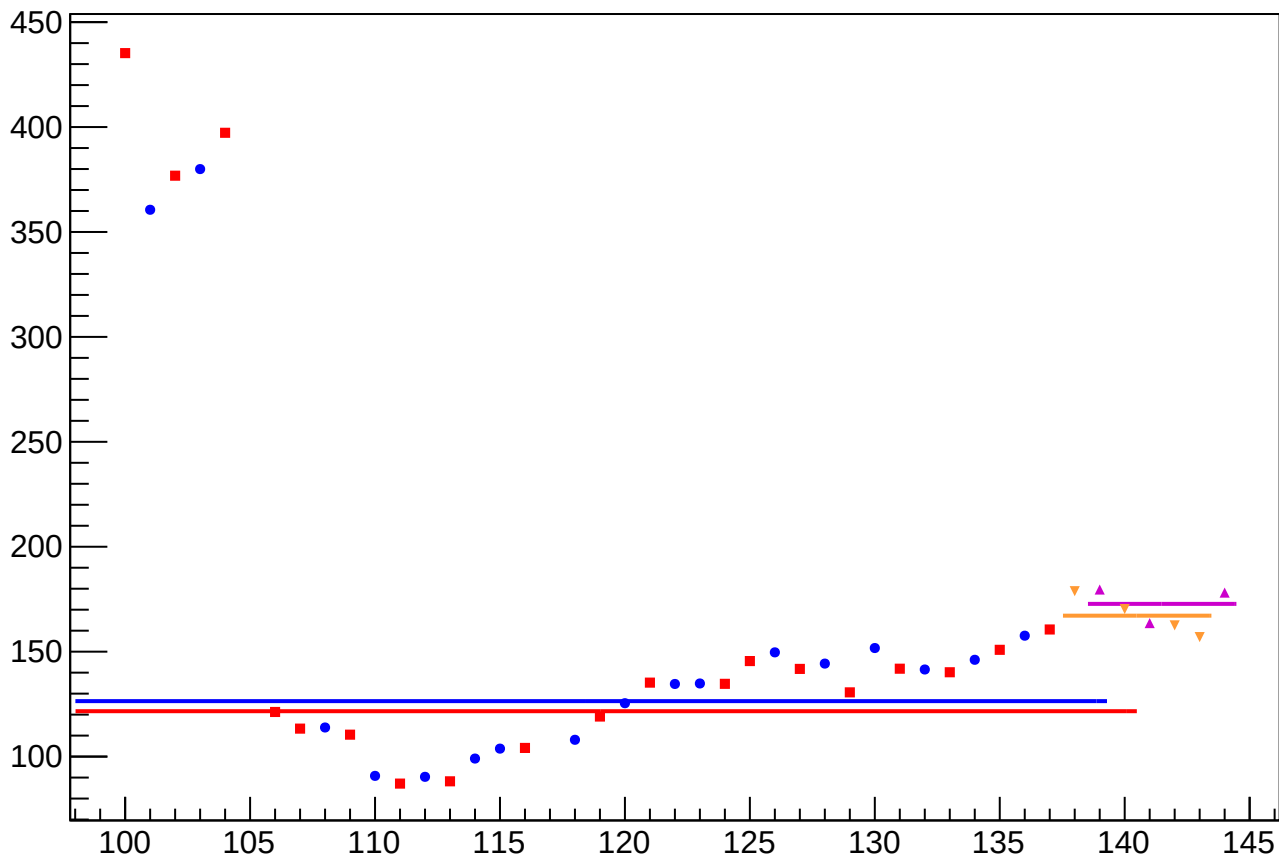
Right In: 152.916 $\pm$ 0.045 χ^2 /NDF: 1154367.4/16 + sign 157.009 $\pm$ 0.038 χ^2 /NDF: 1197598.2/20
 Left Out: 168.437 $\pm$ 0.075 χ^2 /NDF: 11311.6/3 All: 155.407 $\pm$ 0.027 χ^2 /NDF: 2480297.9/42
 Right Out: 148.245 $\pm$ 0.042 χ^2 /NDF: 1189017.0/18 - sign 153.881 $\pm$ 0.037 χ^2 /NDF: 1279280.6/21
 Left In: 174.243 $\pm$ 0.080 χ^2 /NDF: 8078.9/2

yield_bpm0i01aWS_mean vs Slug



Right In: 143385.822 $\pm$ 0.053 χ^2/NDF : 520518329.3/16
 Left Out: 146466.782 $\pm$ 0.105 χ^2/NDF : 2534526.8/3
 Right Out: 143284.246 $\pm$ 0.049 χ^2/NDF : 60847885.8/18
 Left In: 146550.052 $\pm$ 0.113 χ^2/NDF : 15983539.7/2

yield_bpm0i01aWS_rms vs Slug



Right In: 126.427 $\pm$ 0.037 χ^2 /NDF: 1442156.7/16

Left Out: 167.153 $\pm$ 0.074 χ^2 /NDF:12873.7/3

Right Out: 121.629 $\pm$ 0.035 χ^2 /NDF: 1458546.9/18

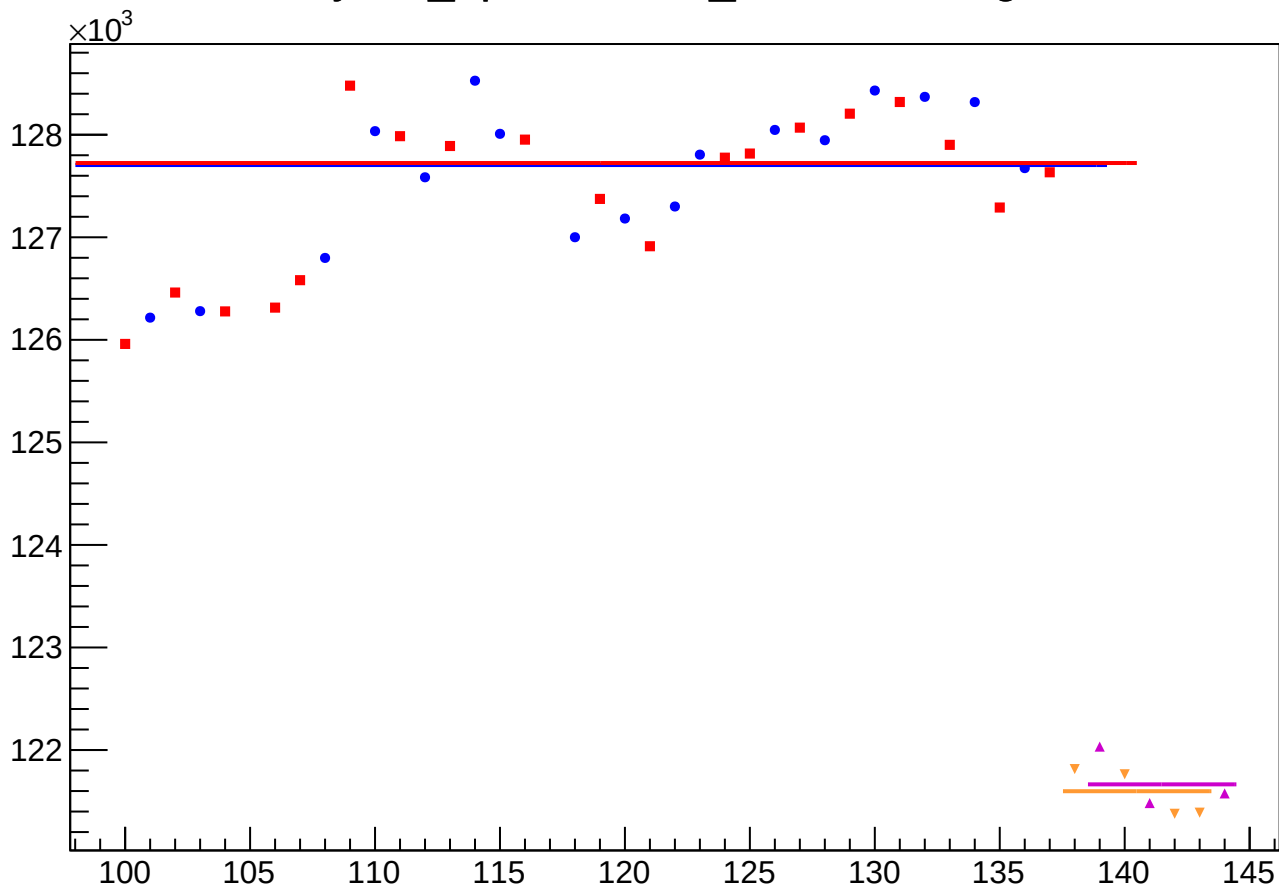
Left In: 172.772 $\pm$ 0.080 χ^2 /NDF:8757.3/2

+ sign 134.697 $\pm$ 0.033 χ^2 /NDF: 1696683.5/20

All: 132.142 $\pm$ 0.023 χ^2 /NDF: 3522259.5/42

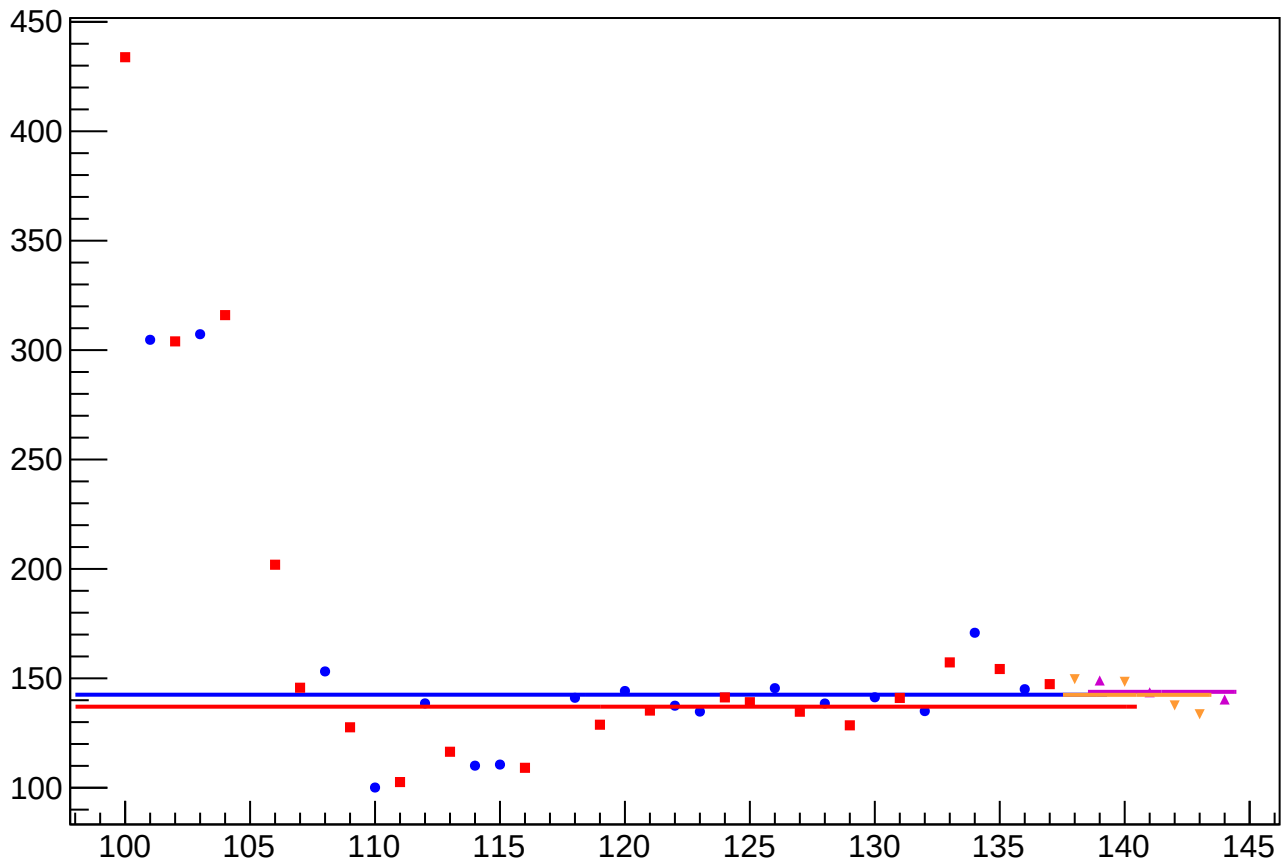
- sign 129.812 $\pm$ 0.032 χ^2 /NDF: 1814342.6/21

yield_bpm0l01WS_mean vs Slug



Right In: 127704.536 ± 0.058 $\chi^2/\text{NDF}: 97614287.1/16$ $+ \text{sign } 125906.864 \pm 0.049$ $\chi^2/\text{NDF}: 3346020512.6$
 Left Out: 121598.305 ± 0.090 $\chi^2/\text{NDF}: 5015015.9/3$ All: 126057.841 ± 0.034 $\chi^2/\text{NDF}: 658946358$
 Right Out: 127724.288 ± 0.055 $\chi^2/\text{NDF}: 112647022.0/18$ $- \text{sign } 126198.600 \pm 0.047$ $\chi^2/\text{NDF}: 3224998957.4/2$
 Left In: 121665.196 ± 0.094 $\chi^2/\text{NDF}: 5770897.4/2$

yield_bpm0l01WS_rms vs Slug



Right In: 142.524+/-0.041 χ^2/NDF : 836220.9/16

Left Out: 142.460+/-0.064 χ^2/NDF :12302.9/3

Right Out: 137.050+/-0.039 χ^2/NDF : 956482.5/18

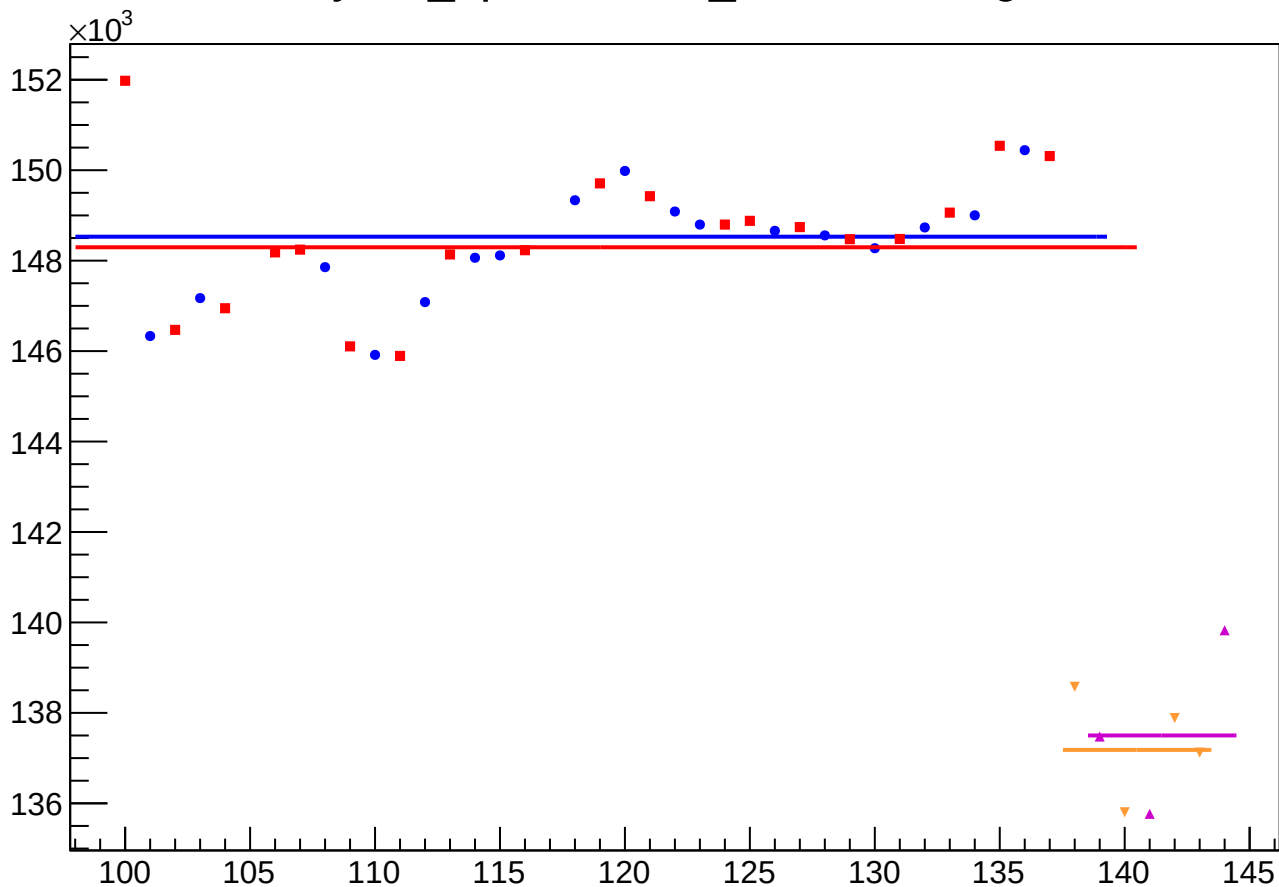
Left In: 143.833+/-0.066 χ^2/NDF :2671.0/2

+ sign 142.505+/-0.035 χ^2/NDF : 848524.5/20

All: 140.566+/-0.024 χ^2/NDF : 1821551.6/42

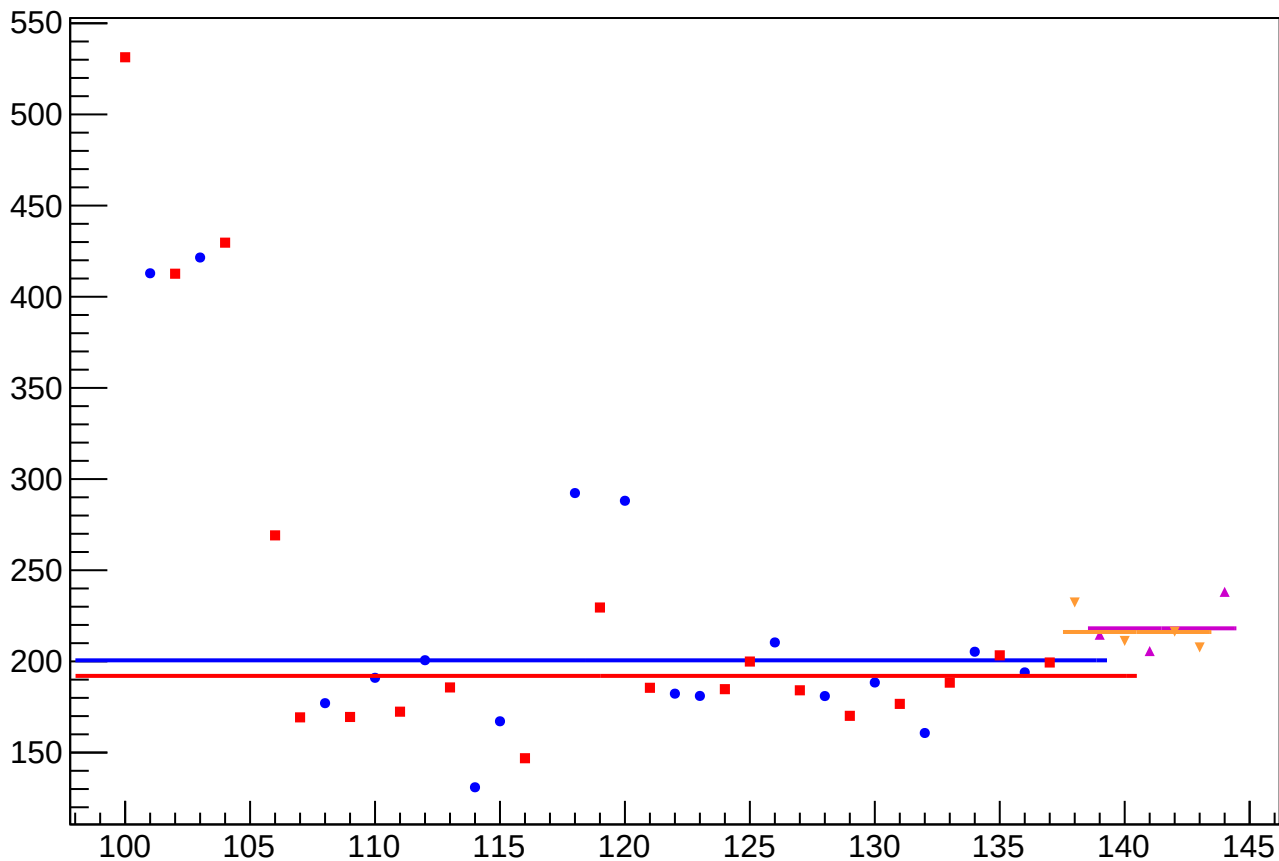
- sign 138.758+/-0.033 χ^2/NDF : 966939.7/21

yield_bpm0l02WS_mean vs Slug



Right In: 148529.735 $\pm$ 0.082 χ^2/NDF : 209963911.3/16
 Left Out: 137181.264 $\pm$ 0.136 χ^2/NDF : 62501553.1/3
 Right Out: 148296.414 $\pm$ 0.076 χ^2/NDF : 293172260.2/18
 Left In: 137500.965 $\pm$ 0.142 χ^2/NDF : 140048386.3/2

yield_bpm0l02WS_rms vs Slug



Right In: 200.585 $\pm$ 0.058 χ^2 /NDF: 935452.3/16

Left Out: 216.136 $\pm$ 0.096 χ^2 /NDF: 9844.7/3

Right Out: 192.054 $\pm$ 0.054 χ^2 /NDF: 845373.5/18

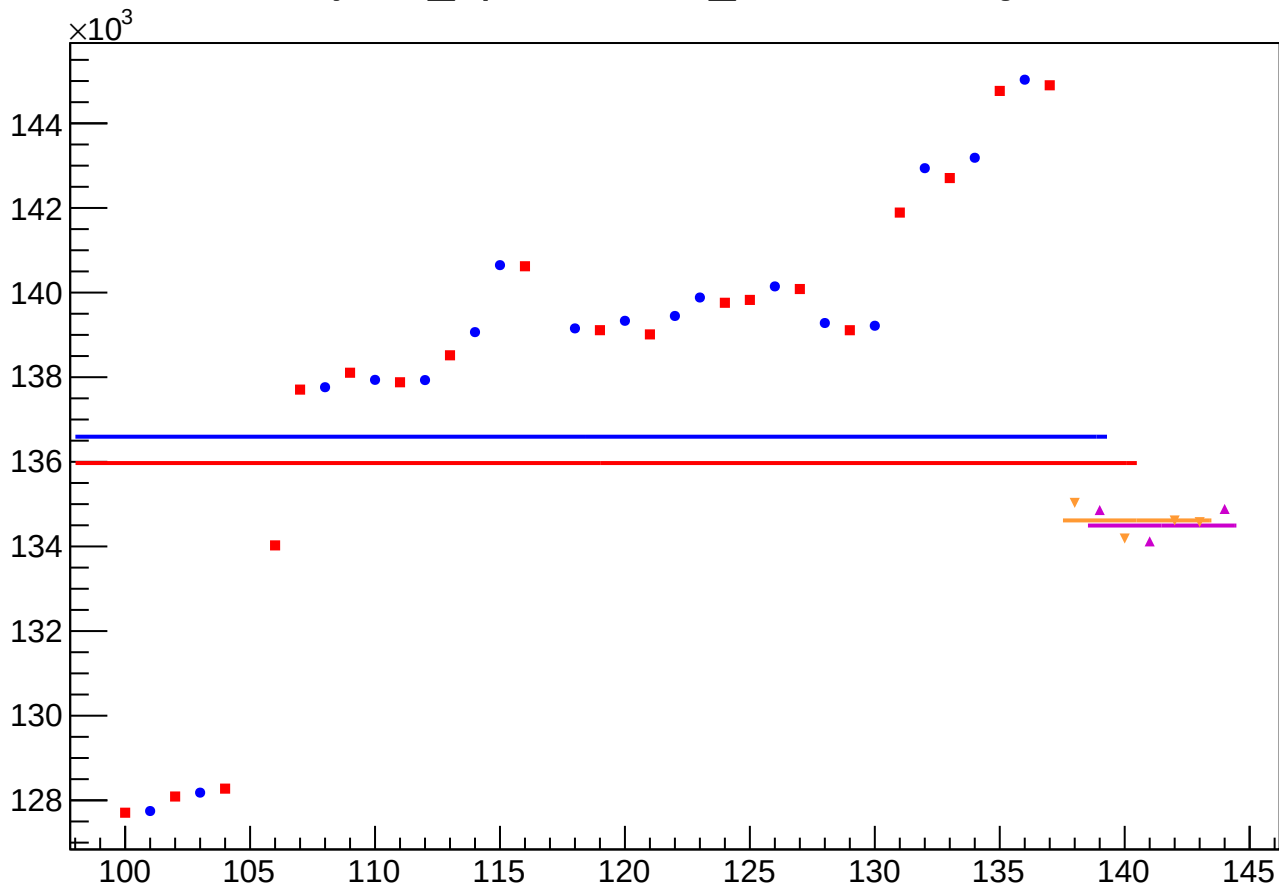
Left In: 218.140 $\pm$ 0.101 χ^2 /NDF: 18449.8/2

+ sign 204.766 $\pm$ 0.050 χ^2 /NDF: 964510.9/20

All: 201.179 $\pm$ 0.034 χ^2 /NDF: 1890423.7/42

- sign 197.891 $\pm$ 0.048 χ^2 /NDF: 915943.8/21

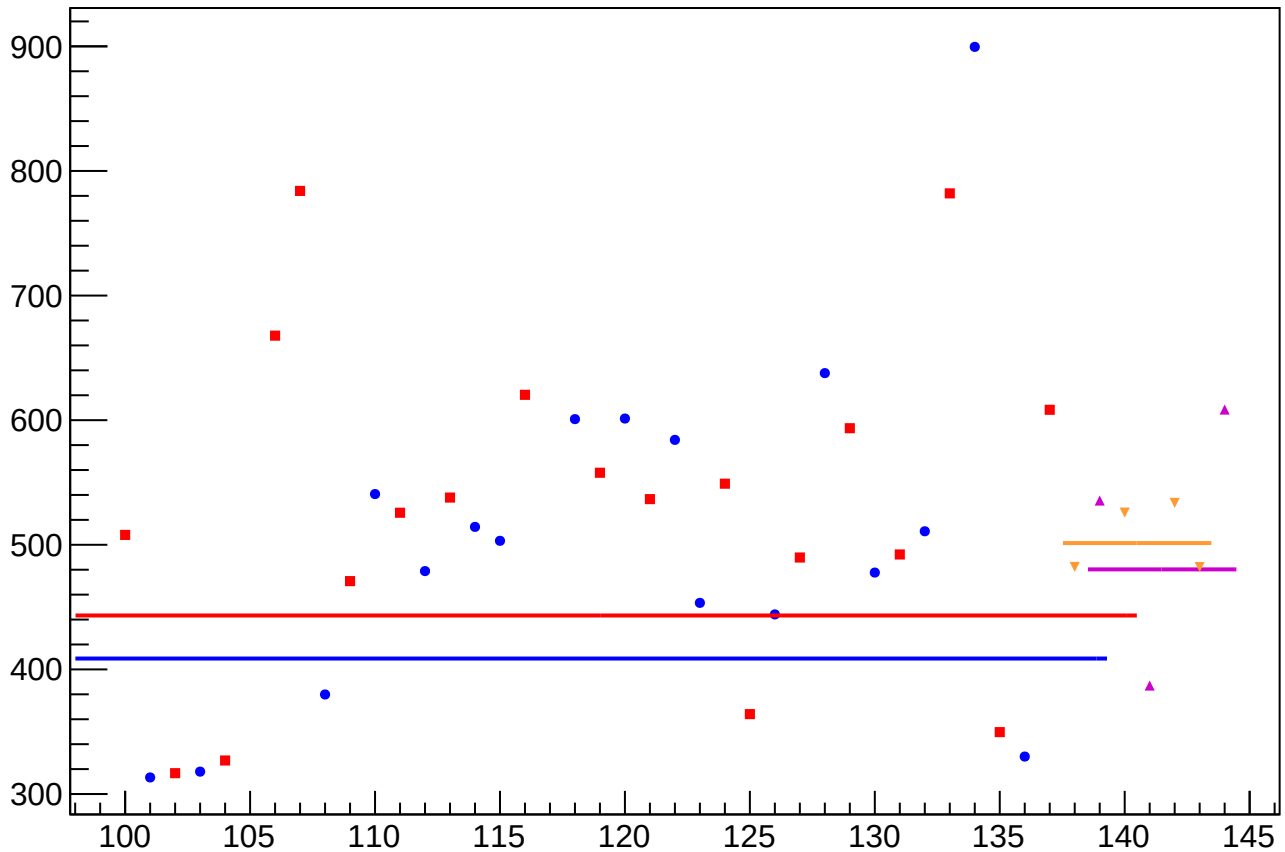
yield_bpm0l03WS_mean vs Slug



Right In: 136593.896 ± 0.172 $\chi^2/\text{NDF}: 1493317567.5/16$
 Left Out: 134615.114 ± 0.322 $\chi^2/\text{NDF}: 967583.2/3$
 Right Out: 135970.927 ± 0.183 $\chi^2/\text{NDF}: 1080815746.9/18$
 Left In: 134494.106 ± 0.354 $\chi^2/\text{NDF}: 1135306.5/2$

+ sign 136156.017 ± 0.152 $\chi^2/\text{NDF}: 1523649242.7$
 All: 135925.244 ± 0.111 $\chi^2/\text{NDF}: 262430718$
 - sign 135659.922 ± 0.163 $\chi^2/\text{NDF}: 1095675566.7$

yield_bpm0l03WS_rms vs Slug



Right In: 408.721+/-0.121 χ^2/NDF : 830375.0/16

Left Out: 501.384+/-0.228 χ^2/NDF : 10191.6/3

Right Out: 443.274+/-0.129 χ^2/NDF : 916555.3/18

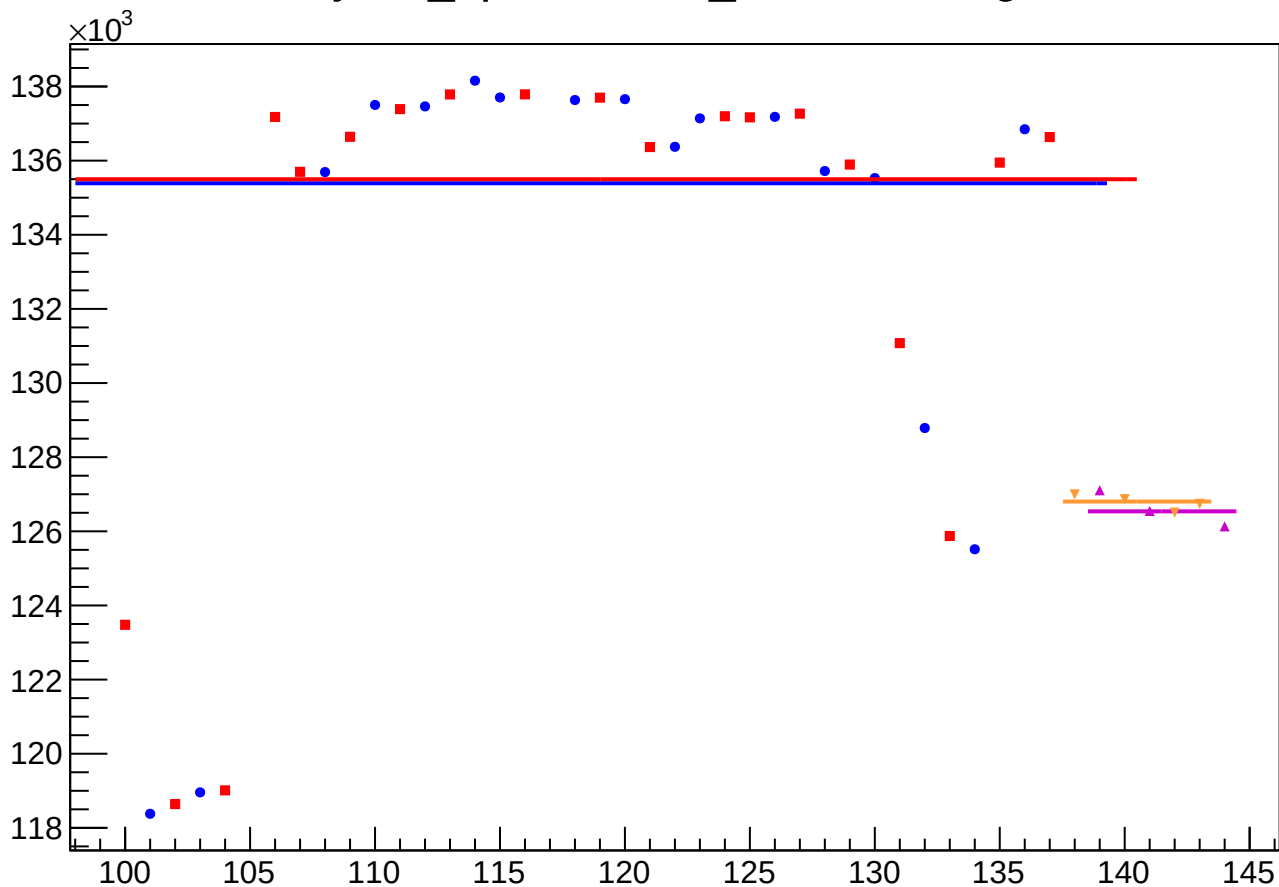
Left In: 480.260+/-0.250 χ^2/NDF : 151407.7/2

+ sign 429.226+/-0.107 χ^2/NDF : 969351.4/20

All: 439.384+/-0.078 χ^2/NDF : 2073837.1/42

- sign 451.063+/-0.115 χ^2/NDF : 1085179.6/21

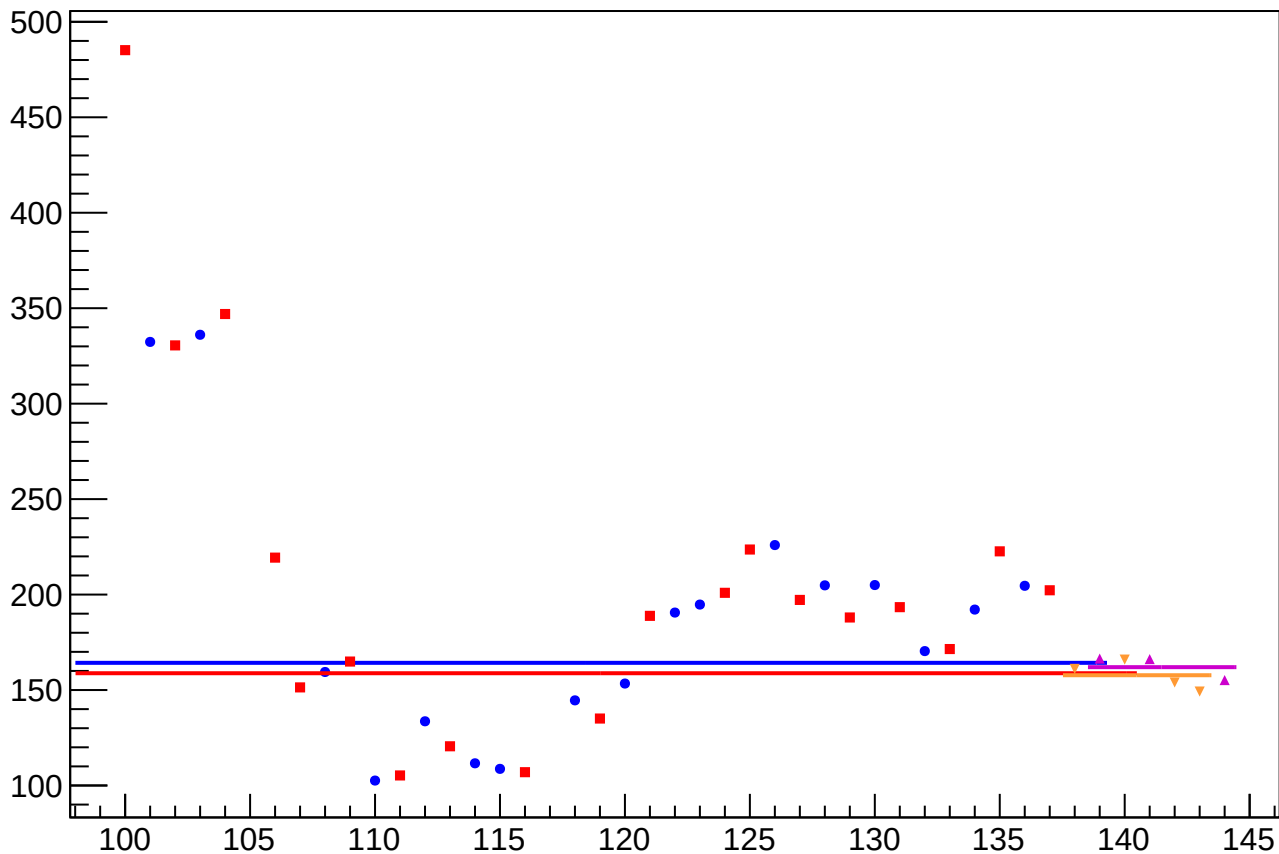
yield_bpm0l04WS_mean vs Slug



Right In: 135389.443 ± 0.068 $\chi^2/\text{NDF}: 4578120272.5/16$
 Left Out: 126803.477 ± 0.099 $\chi^2/\text{NDF}: 2781531.9/3$
 Right Out: 135497.758 ± 0.064 $\chi^2/\text{NDF}: 4738615601.8/18$
 Left In: 126538.399 ± 0.106 $\chi^2/\text{NDF}: 13617246.2/2$

+ sign 132622.990 ± 0.056 $\chi^2/\text{NDF}: 9664429758.1$
 All: 132851.226 ± 0.039 $\chi^2/\text{NDF}: 196961524$
 - sign 133069.062 ± 0.055 $\chi^2/\text{NDF}: 9999575399.4$

yield_bpm0l04WS_rms vs Slug



Right In: 164.250 ± 0.048 $\chi^2/\text{NDF}: 1227814.4/16$

Left Out: 157.754 ± 0.070 $\chi^2/\text{NDF}: 9091.5/3$

Right Out: 158.804 ± 0.046 $\chi^2/\text{NDF}: 1376920.6/18$

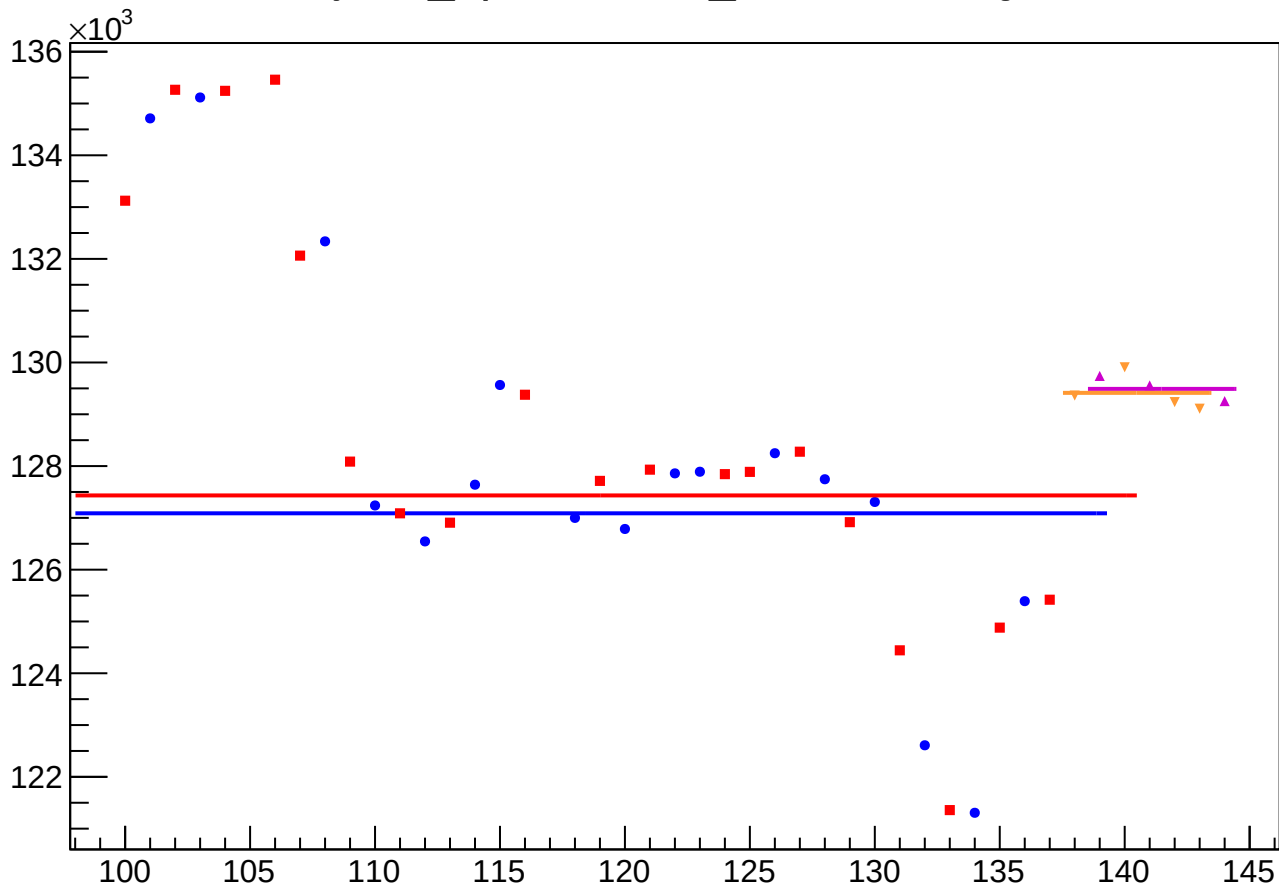
Left In: 161.981 ± 0.075 $\chi^2/\text{NDF}: 5262.7/2$

+ sign 162.157 ± 0.040 $\chi^2/\text{NDF}: 1242724.7/20$

All: 160.882 ± 0.028 $\chi^2/\text{NDF}: 2628233.6/42$

- sign 159.665 ± 0.039 $\chi^2/\text{NDF}: 1383503.0/21$

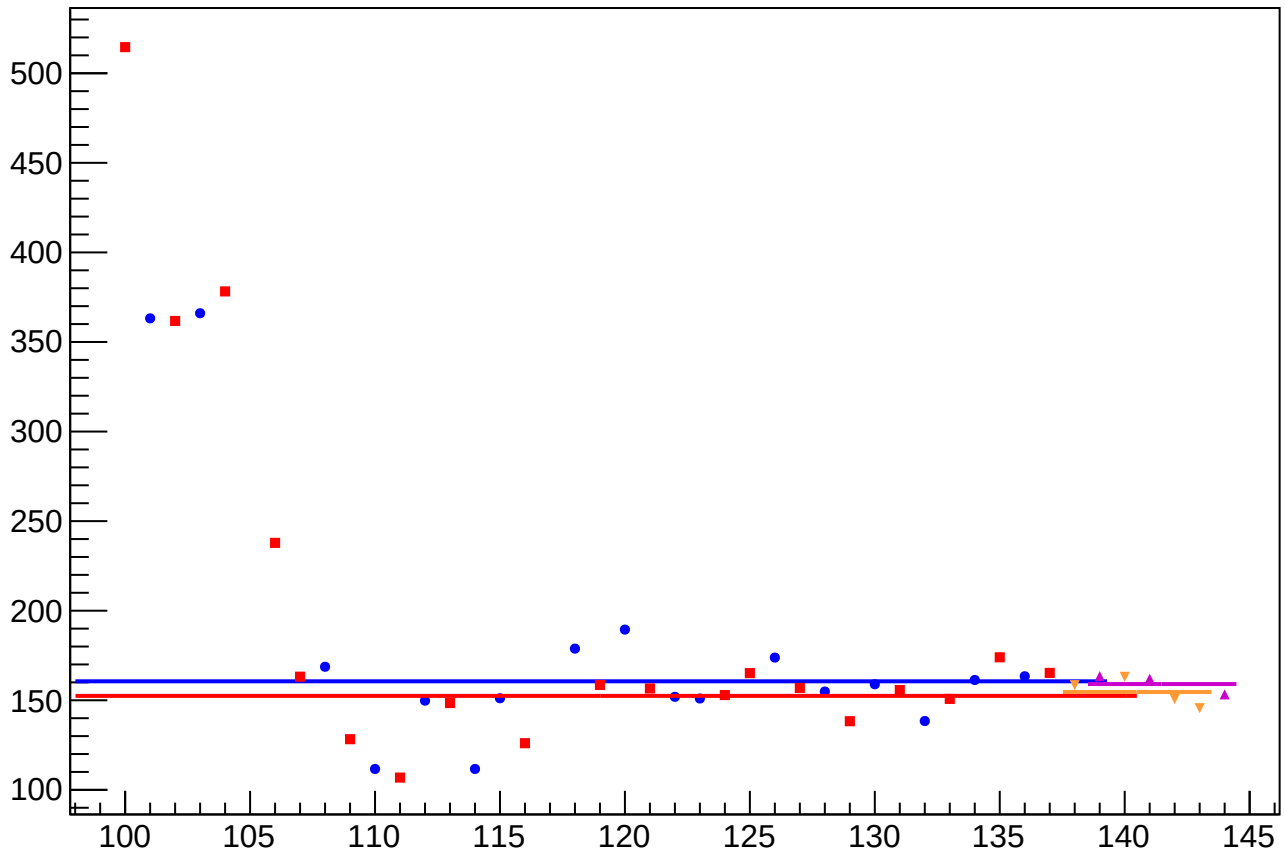
yield_bpm0l05WS_mean vs Slug



Right In: 127088.167 $\pm$ 0.066 χ^2 /NDF: 1716591601.9/16
 Left Out: 129413.525 $\pm$ 0.097 χ^2 /NDF:10475679.1/3
 Right Out: 127433.358 $\pm$ 0.062 χ^2 /NDF: 2081739412.0/18
 Left In: 129490.179 $\pm$ 0.104 χ^2 /NDF:3716895.9/2

+ sign 127826.758 $\pm$ 0.055 χ^2 /NDF: 2116172625.0
 All: 127900.537 $\pm$ 0.038 χ^2 /NDF: 449584082
 - sign 127969.207 $\pm$ 0.053 χ^2 /NDF: 2376178876.9/

yield_bpm0l05WS_rms vs Slug



Right In: 160.589 $\pm$ 0.047 χ^2 /NDF: 942522.1/16

Left Out: 154.623 $\pm$ 0.069 χ^2 /NDF:10481.3/3

Right Out: 152.452 $\pm$ 0.044 χ^2 /NDF: 1084973.3/18

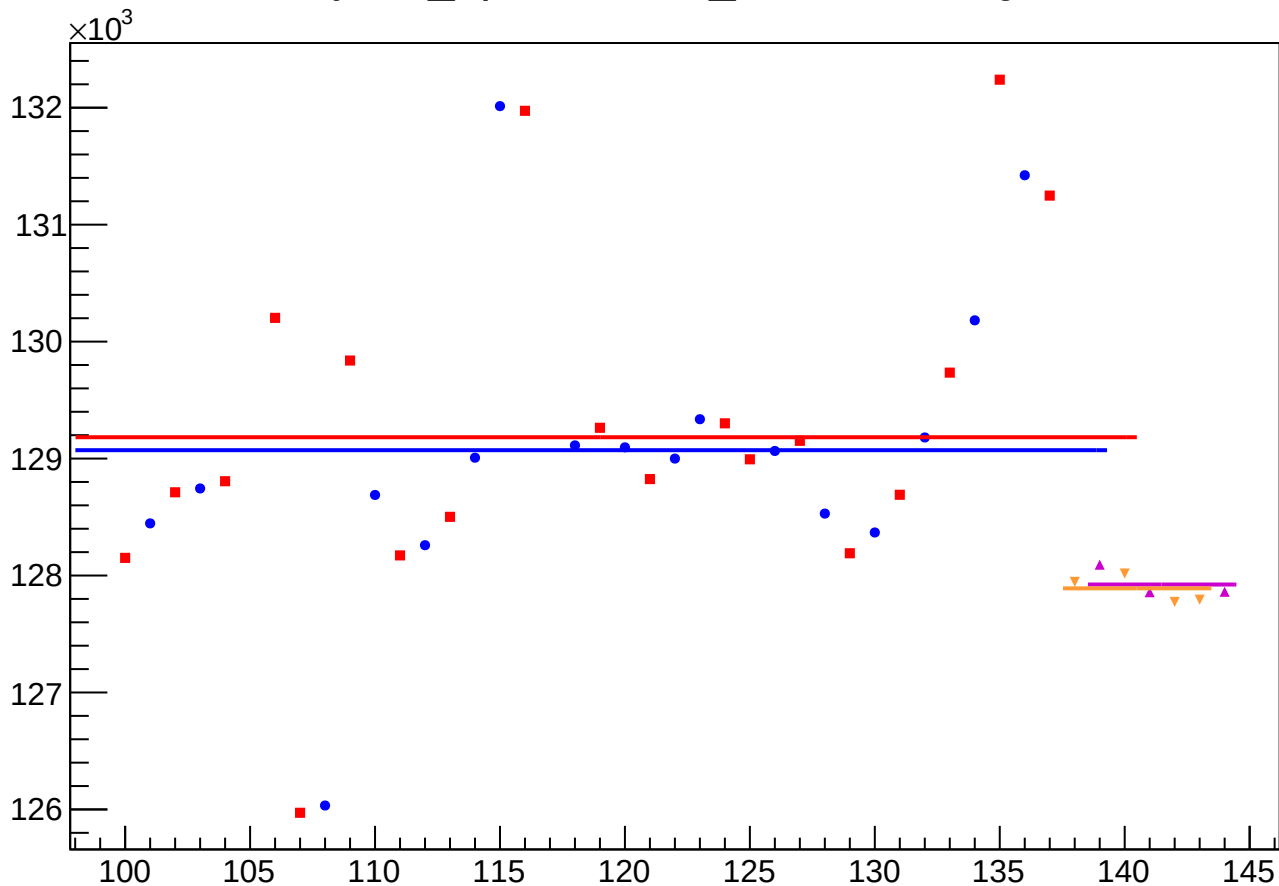
Left In: 159.055 $\pm$ 0.073 χ^2 /NDF:3926.7/2

+ sign 158.694 $\pm$ 0.039 χ^2 /NDF: 958125.0/20

All: 156.352 $\pm$ 0.027 χ^2 /NDF: 2060049.7/42

- sign 154.172 $\pm$ 0.037 χ^2 /NDF: 1094893.1/21

yield_bpm0l06WS_mean vs Slug



Right In: 129071.617 $\pm$ 0.060 χ^2 /NDF: 476291091.1/16

Left Out: 127890.344 $\pm$ 0.094 χ^2 /NDF: 1152680.4/3

Right Out: 129182.486 $\pm$ 0.056 χ^2 /NDF: 625425272.9/18

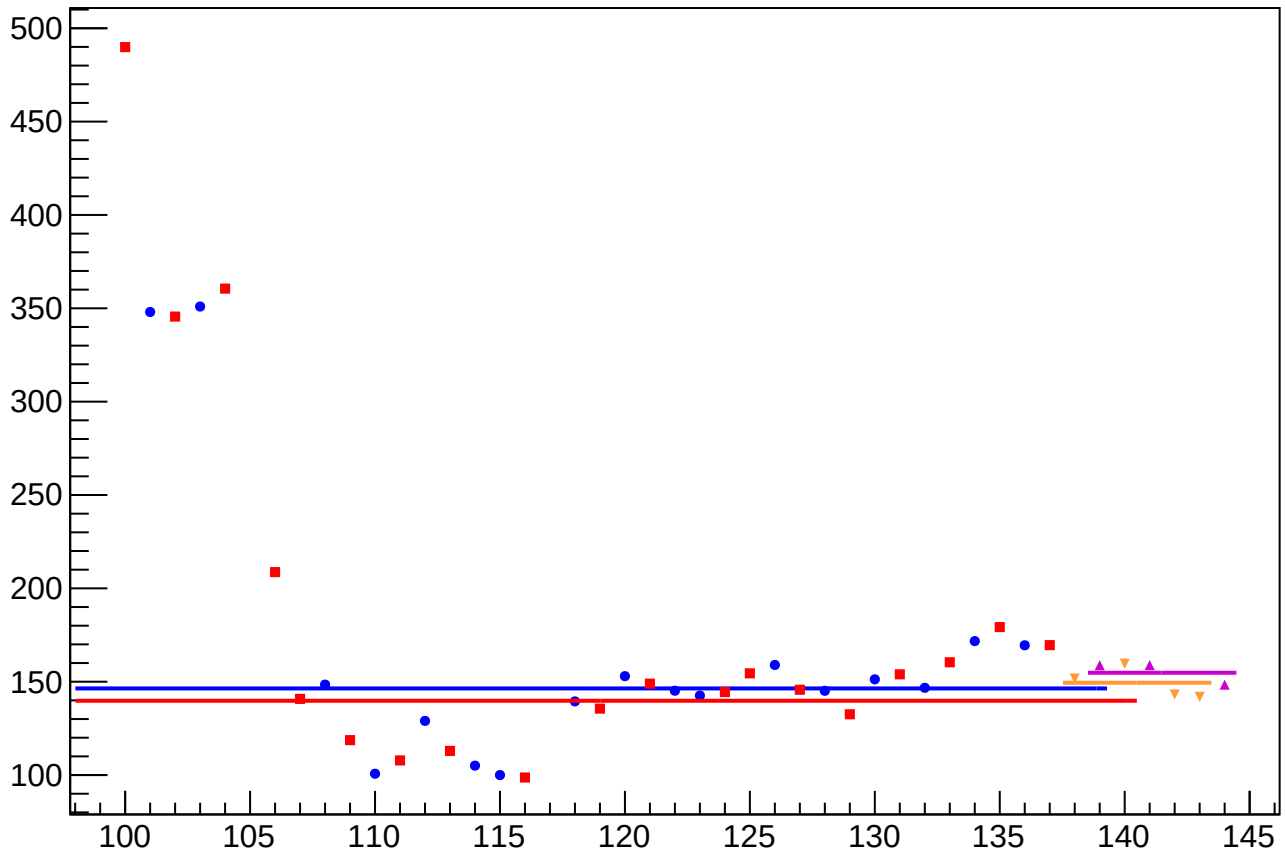
Left In: 127923.113 $\pm$ 0.101 χ^2 /NDF: 1061372.4/2

+ sign 128726.629 $\pm$ 0.051 χ^2 /NDF: 589621448.3/2

All: 128808.320 $\pm$ 0.035 χ^2 /NDF: 13401725

- sign 128884.719 $\pm$ 0.049 χ^2 /NDF: 745529661.6/2

yield_bpm0l06WS_rms vs Slug



Right In: 146.401 $\pm$ 0.043 χ^2 /NDF: 1066973.0/16

Left Out: 149.458 $\pm$ 0.066 χ^2 /NDF:11848.0/3

+ sign 147.294 $\pm$ 0.036 χ^2 /NDF: 1080323.5/20

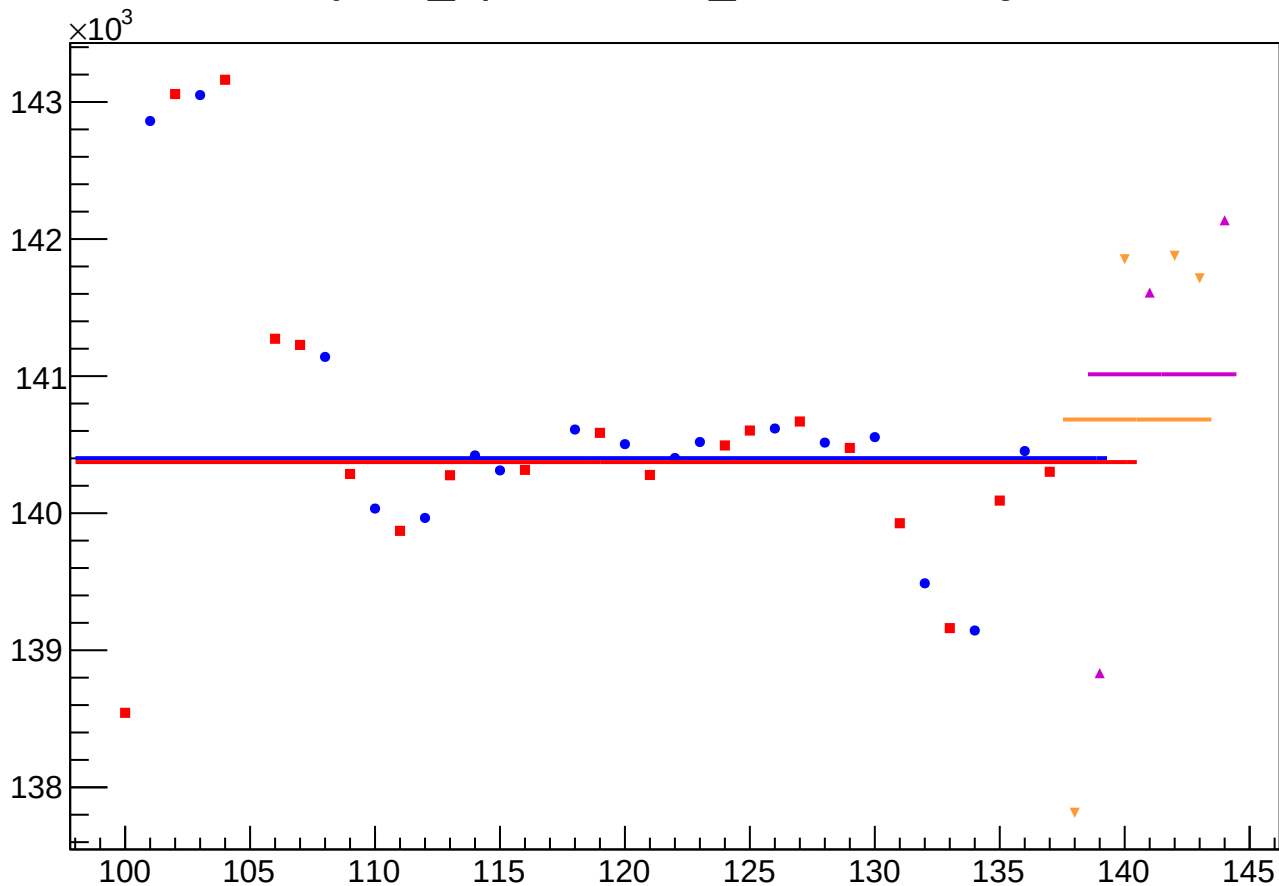
Right Out: 139.793 $\pm$ 0.040 χ^2 /NDF: 1200865.0/18

All: 145.251 $\pm$ 0.025 χ^2 /NDF: 2326363.4/42

- sign 143.340 $\pm$ 0.035 χ^2 /NDF: 1239759.2/21

Left In: 154.796 $\pm$ 0.071 χ^2 /NDF:5104.2/2

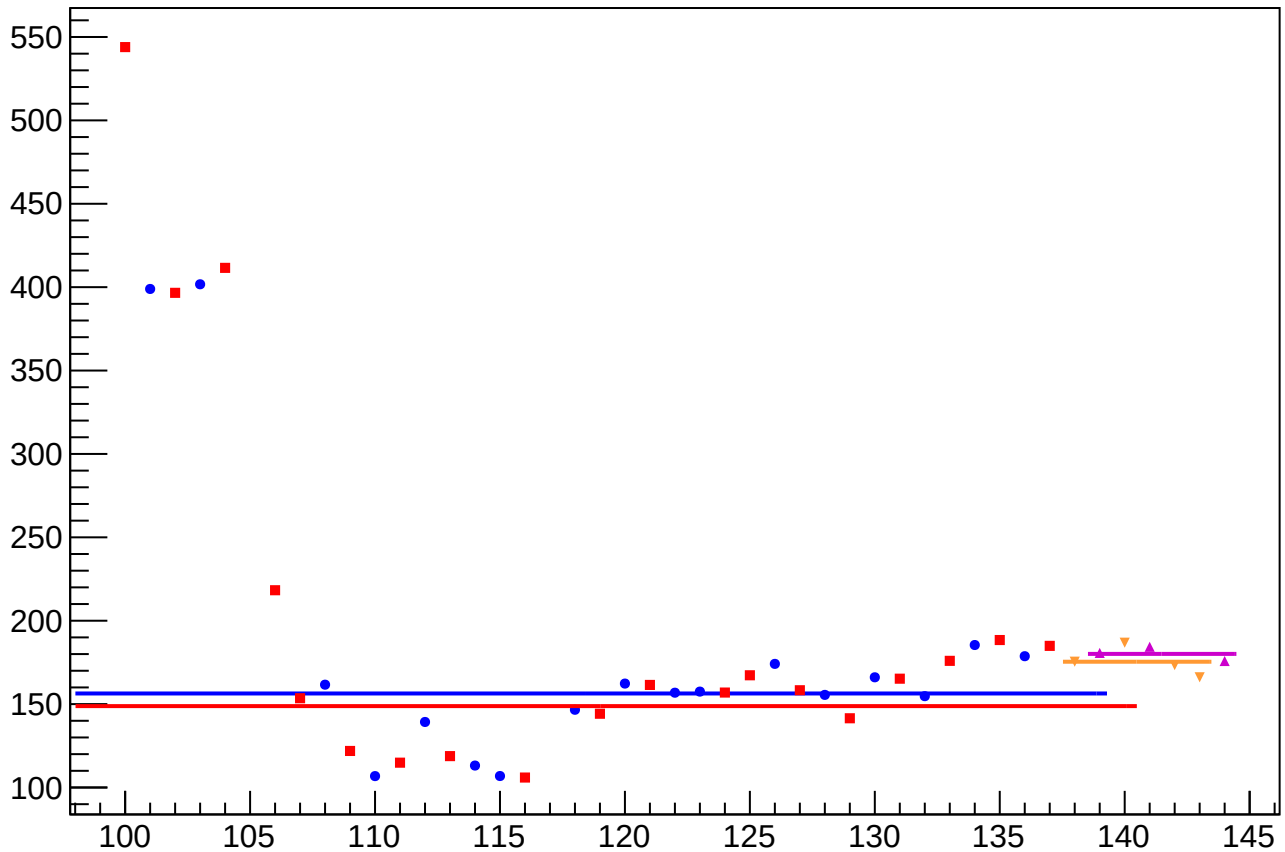
yield_bpm0l07WS_mean vs Slug



Right In: 140401.573 $\pm$ 0.064 χ^2 /NDF: 88055814.0/16
 Left Out: 140683.433 $\pm$ 0.111 χ^2 /NDF: 260830243.0/3
 Right Out: 140372.890 $\pm$ 0.060 χ^2 /NDF: 99844698.8/18
 Left In: 141013.289 $\pm$ 0.118 χ^2 /NDF: 140747921.2/2

+ sign 140472.616 $\pm$ 0.056 χ^2 /NDF: 353704861.5/2
 All: 140489.075 $\pm$ 0.039 χ^2 /NDF: 617907865
 - sign 140504.172 $\pm$ 0.053 χ^2 /NDF: 264035911.5/2

yield_bpm0l07WS_rms vs Slug



Right In: 156.377 $\pm$ 0.046 χ^2 /NDF: 1154470.5/16

Left Out: 175.413 $\pm$ 0.079 χ^2 /NDF: 9749.0/3

Right Out: 148.800 $\pm$ 0.042 χ^2 /NDF: 1304529.7/18

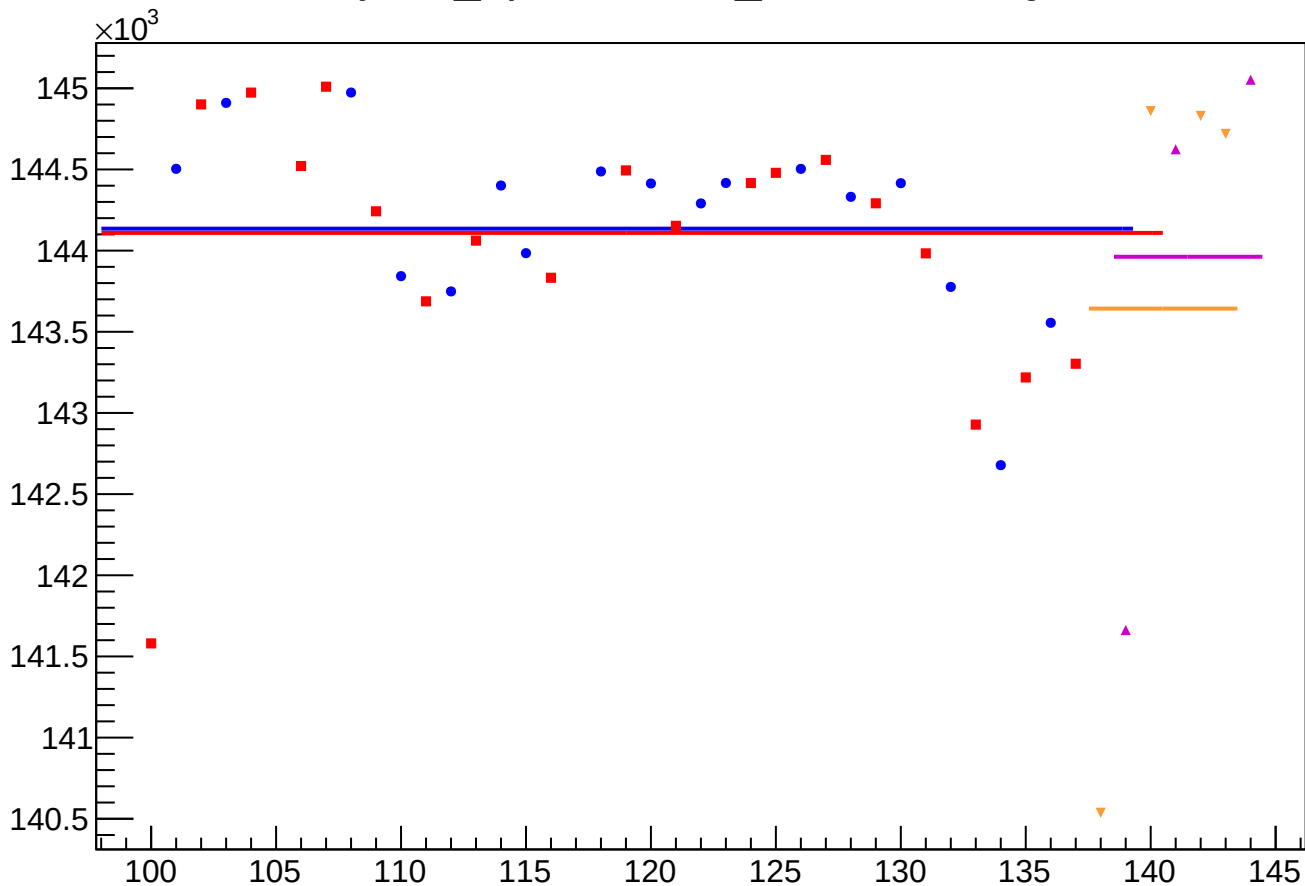
Left In: 180.108 $\pm$ 0.083 χ^2 /NDF: 1882.1/2

+ sign 161.175 $\pm$ 0.039 χ^2 /NDF: 1208183.2/20

All: 158.068 $\pm$ 0.027 χ^2 /NDF: 2638567.8/42

- sign 155.218 $\pm$ 0.038 χ^2 /NDF: 1418475.2/21

yield_bpm0l08WS_mean vs Slug



Right In: 144135.363 $\pm$ 0.067 χ^2 /NDF: 47030717.0/16

Left Out: 143642.885 $\pm$ 0.109 χ^2 /NDF: 300000775.6/3

Right Out: 144109.137 $\pm$ 0.062 χ^2 /NDF: 65233259.1/18

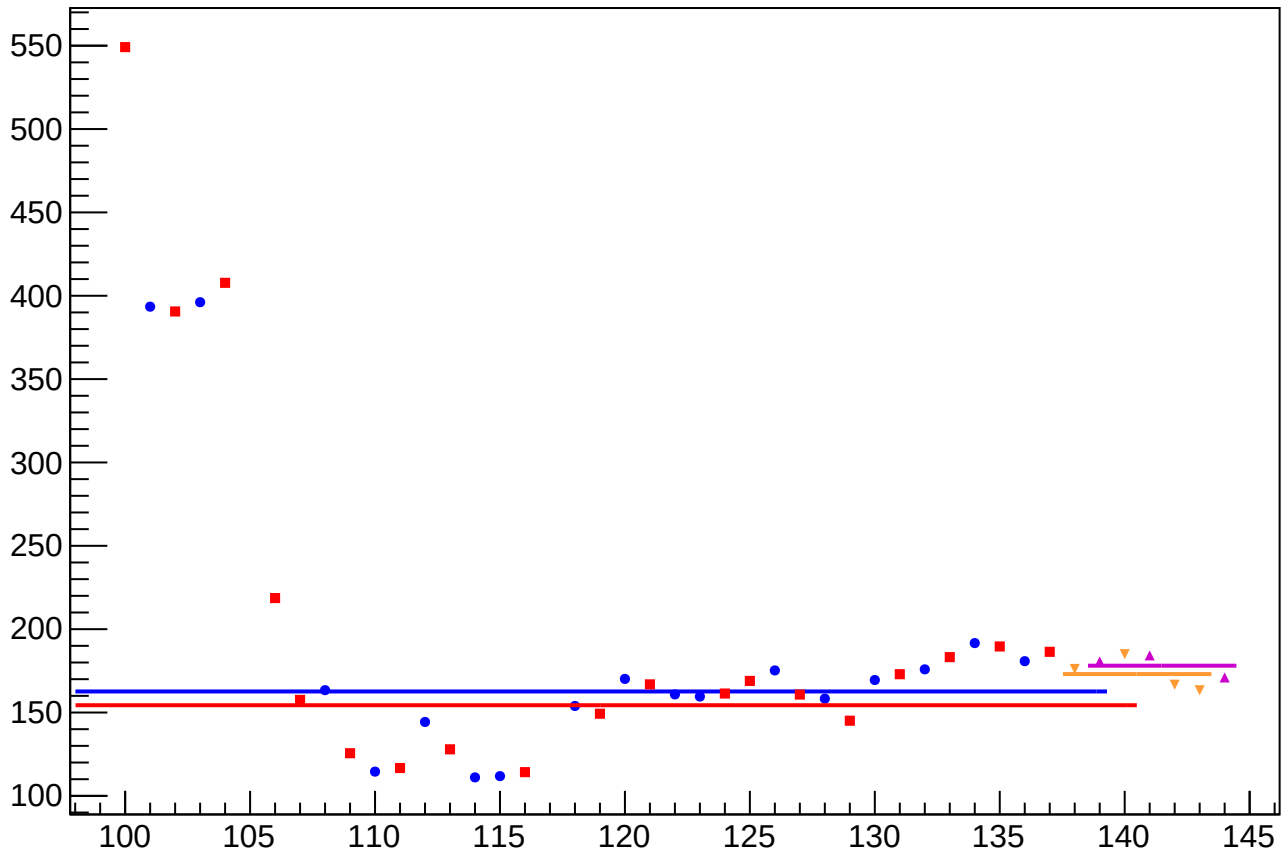
Left In: 143962.134 $\pm$ 0.116 χ^2 /NDF: 154191304.3/2

+ sign 144001.274 $\pm$ 0.057 χ^2 /NDF: 361797398.1/2

All: 144040.629 $\pm$ 0.039 χ^2 /NDF: 583377375.1/41

- sign 144076.750 $\pm$ 0.055 χ^2 /NDF: 220667272.6/2

yield_bpm0l08WS_rms vs Slug



Right In: 162.634 $\pm$ 0.047 χ^2 /NDF: 1069524.2/16

Left Out: 173.071 $\pm$ 0.077 χ^2 /NDF:12417.4/3

+ sign 165.476 $\pm$ 0.040 χ^2 /NDF: 1095206.4/20

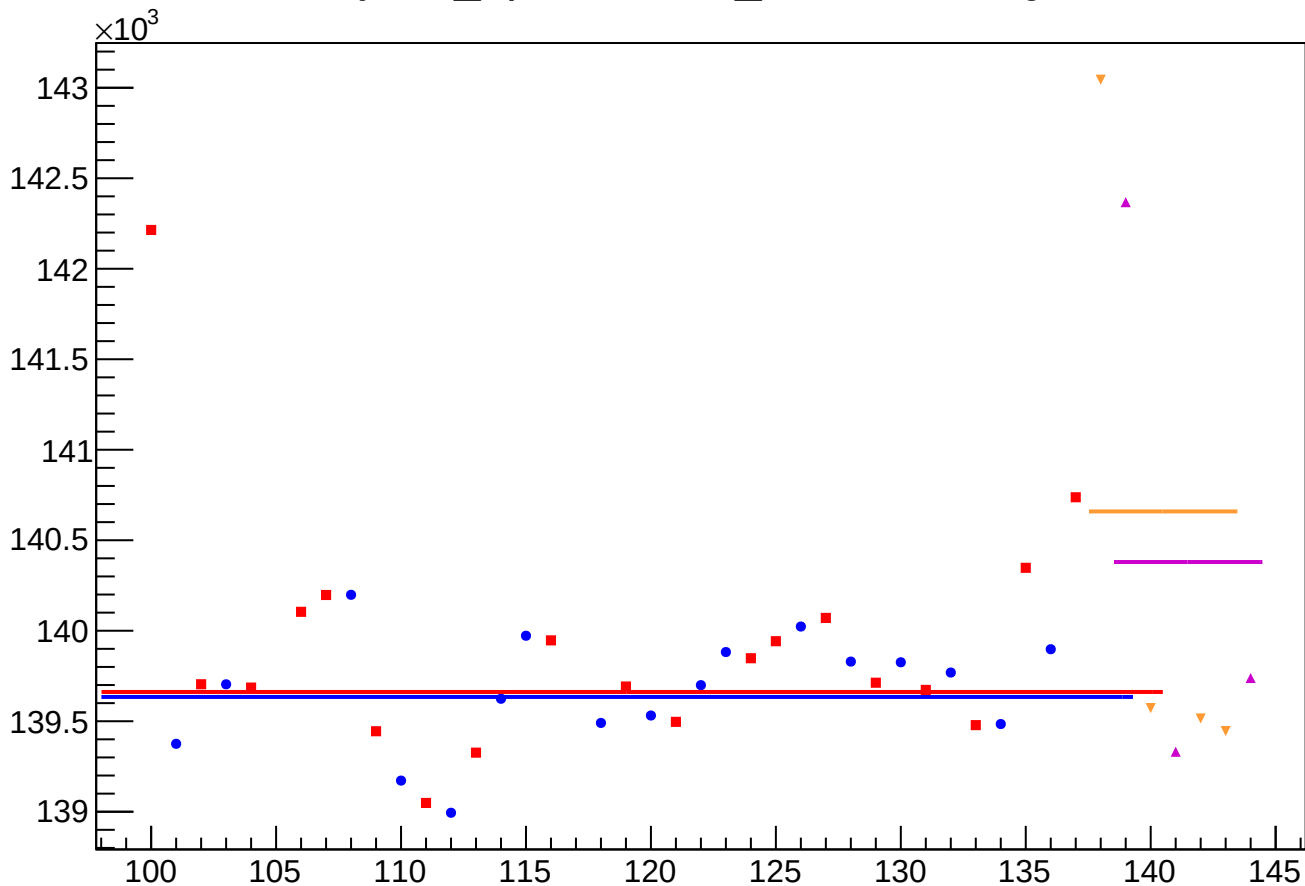
Right Out: 154.377 $\pm$ 0.044 χ^2 /NDF: 1214462.2/18

All: 162.413 $\pm$ 0.028 χ^2 /NDF: 2390382.6/42

- sign 159.602 $\pm$ 0.039 χ^2 /NDF: 1284119.0/21

Left In: 178.090 $\pm$ 0.082 χ^2 /NDF:4985.9/2

yield_bpm0l09WS_mean vs Slug



Right In: 139634.248 $\pm$ 0.068 χ^2 /NDF: 24816599.6/16

Left Out: 140659.110 $\pm$ 0.123 χ^2 /NDF: 179722627.8/3

Right Out: 139661.708 $\pm$ 0.063 χ^2 /NDF: 38354381.9/18

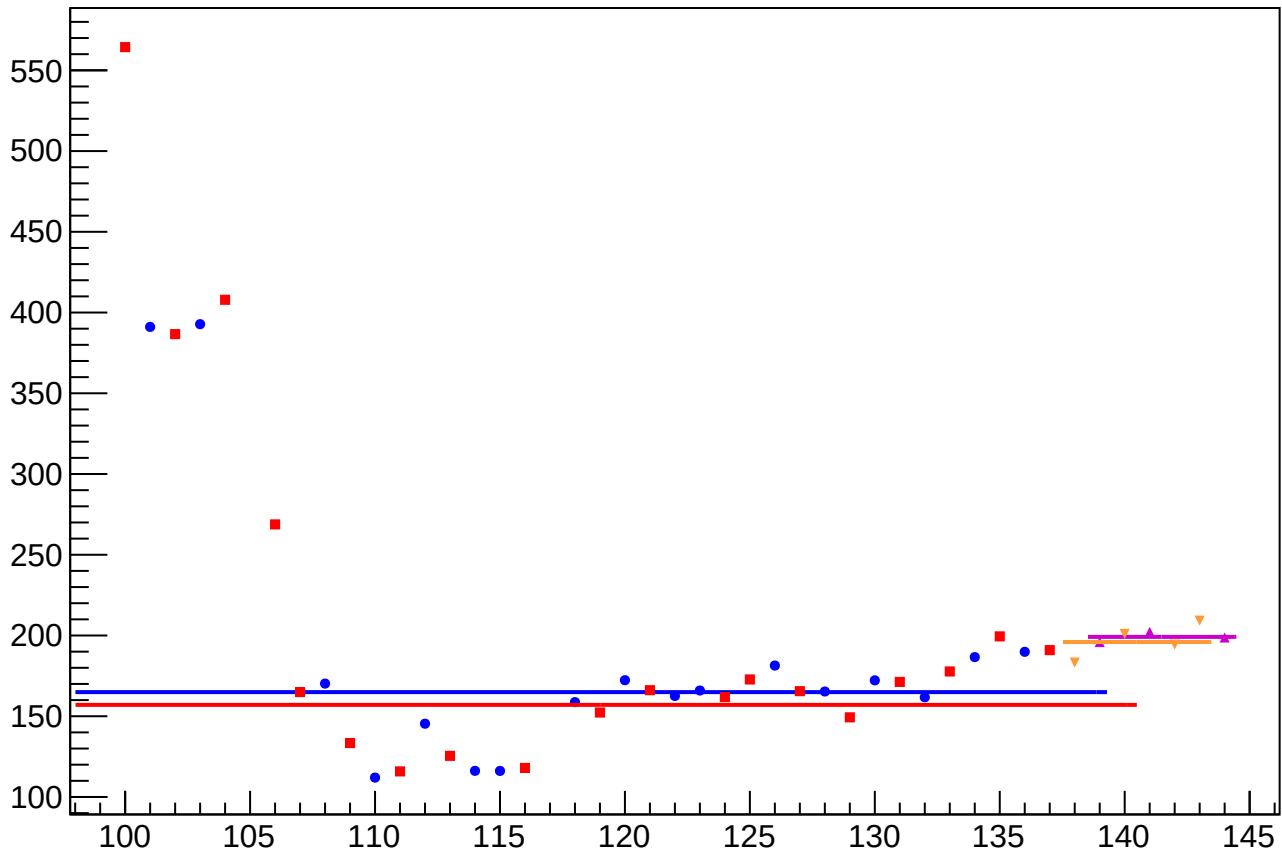
Left In: 140379.645 $\pm$ 0.130 χ^2 /NDF: 100327716.3/2

+ sign 139873.085 $\pm$ 0.059 χ^2 /NDF: 257597651.1/2

All: 139834.000 $\pm$ 0.041 χ^2 /NDF: 421775575

- sign 139798.421 $\pm$ 0.057 χ^2 /NDF: 163353143.1/2

yield_bpm0l09WS_rms vs Slug



Right In: 164.938 $\pm$ 0.048 χ^2 /NDF: 1064403.1/16

Left Out: 195.979 $\pm$ 0.087 χ^2 /NDF:13148.7/3

Right Out: 157.047 $\pm$ 0.045 χ^2 /NDF: 1242666.6/18

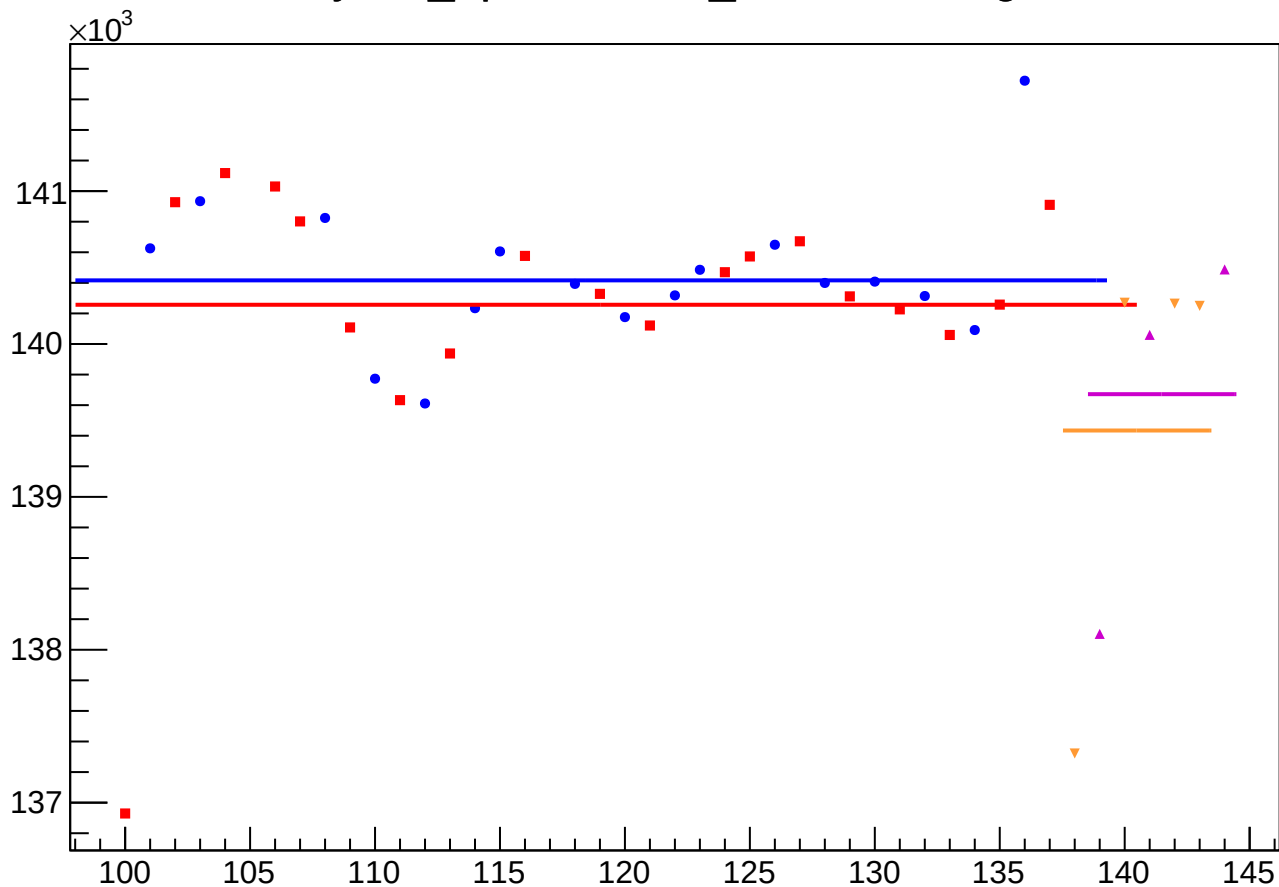
Left In: 199.139 $\pm$ 0.092 χ^2 /NDF:758.1/2

+ sign 172.172 $\pm$ 0.042 χ^2 /NDF: 1174901.7/20

All: 168.450 $\pm$ 0.029 χ^2 /NDF: 2602884.3/42

- sign 165.063 $\pm$ 0.040 χ^2 /NDF: 1413028.4/21

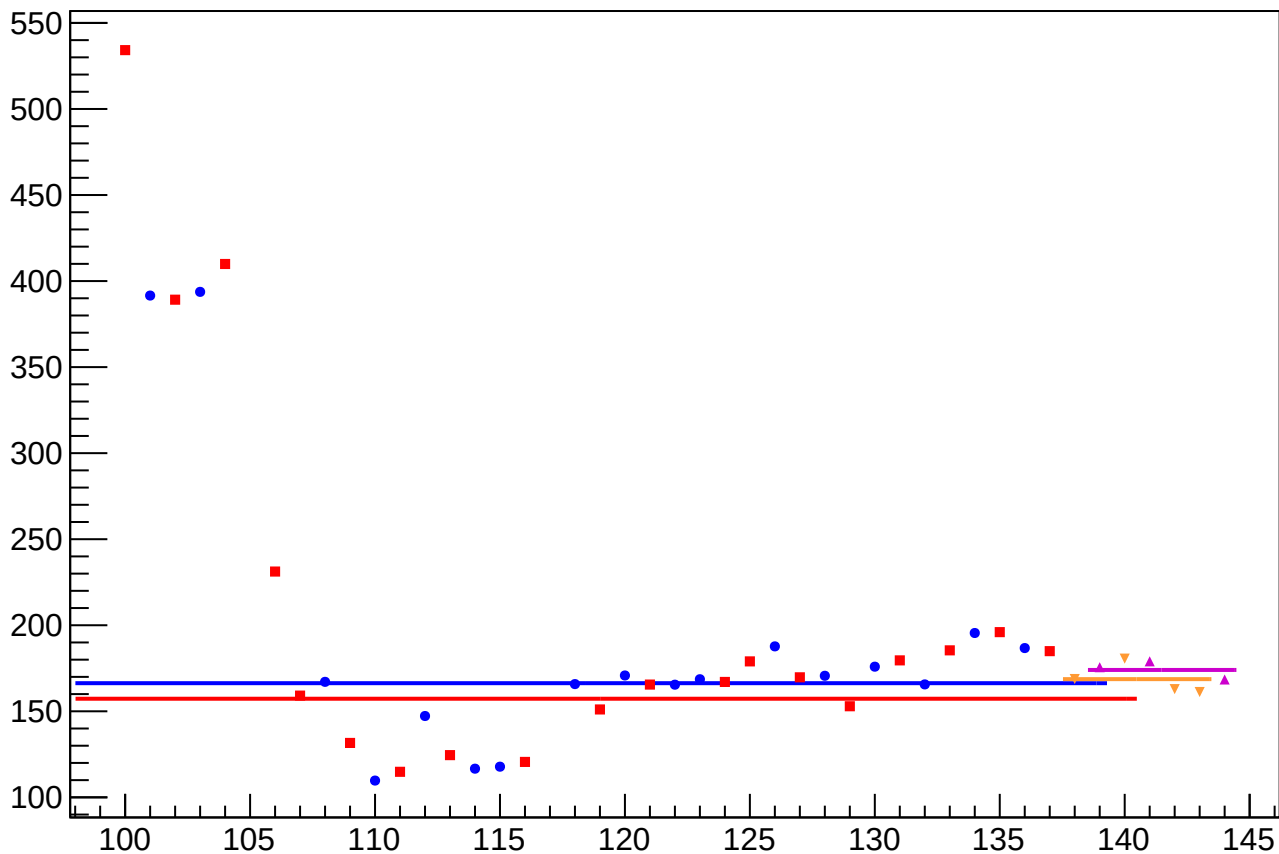
yield_bpm0l10WS_mean vs Slug



Right In: 140416.183 ± 0.069 $\chi^2/\text{NDF}: 69956735.1/16$
 Left Out: 139434.190 ± 0.106 $\chi^2/\text{NDF}: 154614246.8/3$
 Right Out: 140256.621 ± 0.063 $\chi^2/\text{NDF}: 38038769.4/18$
 Left In: 139671.823 ± 0.114 $\chi^2/\text{NDF}: 77446778.5/2$

+ sign 140127.859 ± 0.058 $\chi^2/\text{NDF}: 284904222.1/2$
 All: 140123.006 ± 0.040 $\chi^2/\text{NDF}: 420636493$
 - sign 140118.543 ± 0.055 $\chi^2/\text{NDF}: 135718632.1/2$

yield_bpm0l10WS_rms vs Slug



Right In: 166.338 ± 0.048 χ^2/NDF : 1081005.6/16

Left Out: 168.689 ± 0.075 χ^2/NDF : 10409.5/3

Right Out: 157.302 ± 0.045 χ^2/NDF : 1226210.5/18

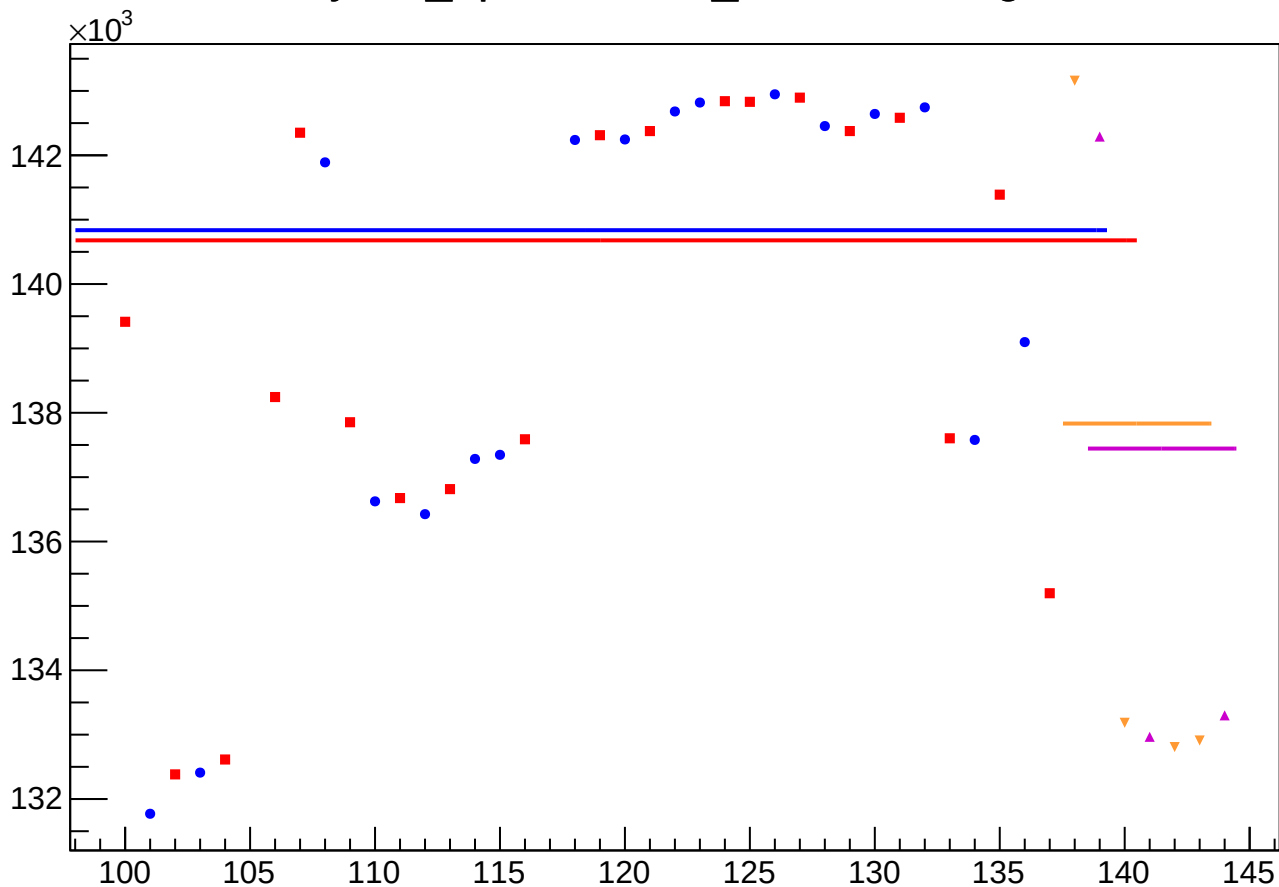
Left In: 174.025 ± 0.080 χ^2/NDF : 3233.1/2

+ sign 167.028 ± 0.041 χ^2/NDF : 1092106.7/20

All: 164.018 ± 0.028 χ^2/NDF : 2365129.6/42

- sign 161.251 ± 0.039 χ^2/NDF : 1262533.6/21

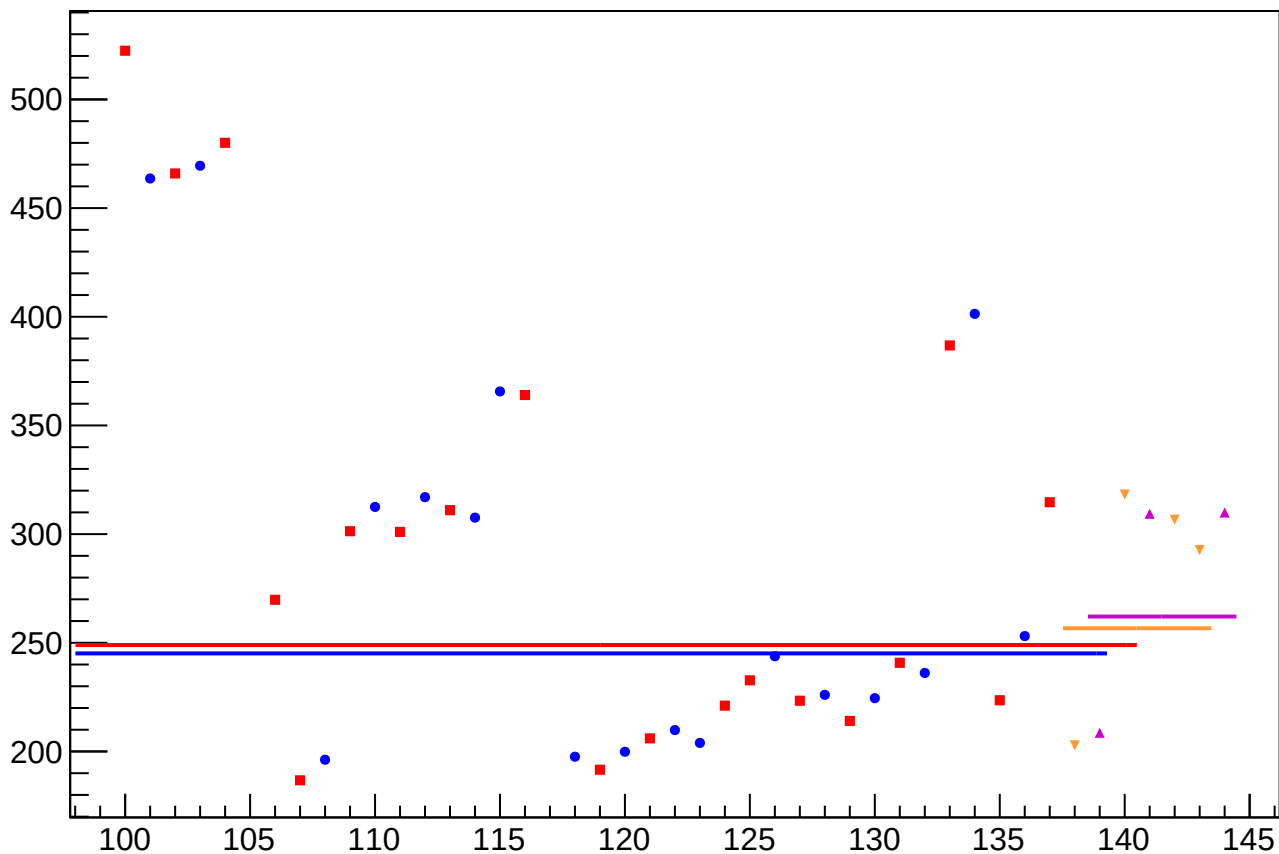
yield_bpm0r03WS_mean vs Slug



Right In: 140836.633 $\pm$ 0.100 χ^2 /NDF: 821253018.3/16
 Left Out: 137832.904 $\pm$ 0.167 χ^2 /NDF: 922607741.0/3
 Right Out: 140678.692 $\pm$ 0.099 χ^2 /NDF: 840853098.4/18
 Left In: 137444.250 $\pm$ 0.177 χ^2 /NDF: 670740312.3/2

+ sign 140043.366 $\pm$ 0.086 χ^2 /NDF: 1981309647.5
 All: 139973.782 $\pm$ 0.061 χ^2 /NDF: 374948737
 - sign 139903.404 $\pm$ 0.086 χ^2 /NDF: 1766858903.0/

yield_bpm0r03WS_rms vs Slug



Right In: 245.117 $\pm$ 0.071 χ^2 /NDF: 868050.1/16

Left Out: 256.687 $\pm$ 0.118 χ^2 /NDF:193428.8/3

Right Out: 248.984 $\pm$ 0.070 χ^2 /NDF: 1011335.0/18

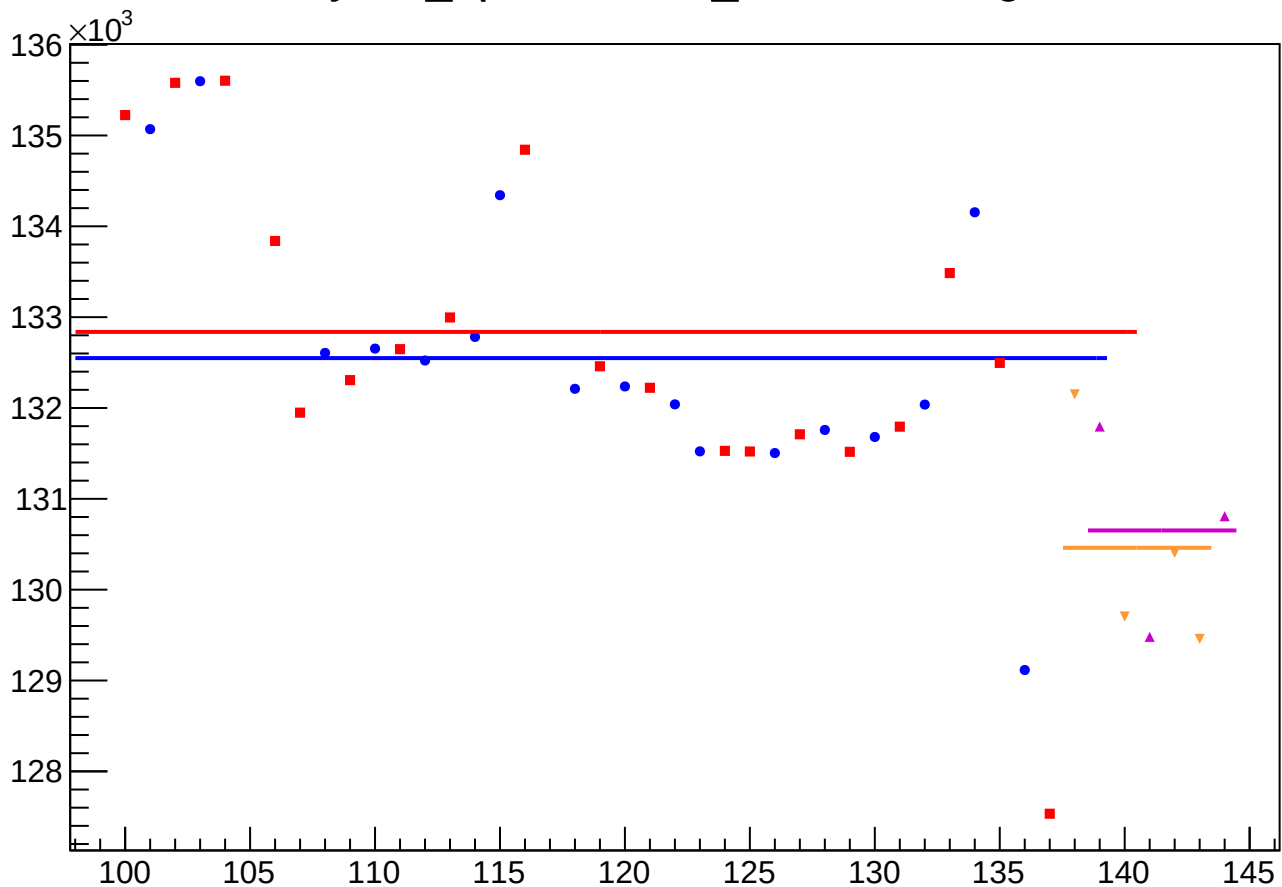
Left In: 262.089 $\pm$ 0.125 χ^2 /NDF:163331.3/2

+ sign 248.172 $\pm$ 0.061 χ^2 /NDF: 1068524.9/20

All: 250.137 $\pm$ 0.043 χ^2 /NDF: 2253675.9/42

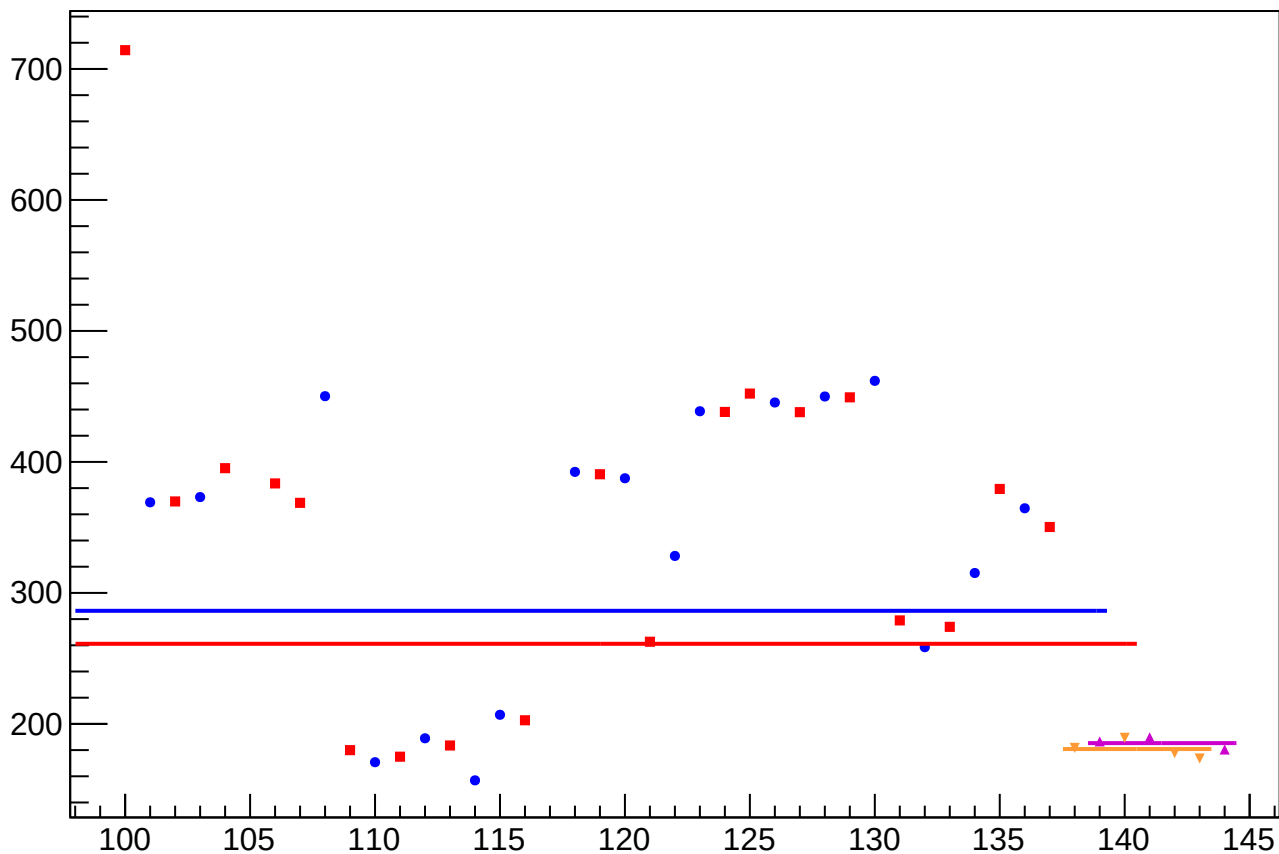
- sign 252.125 $\pm$ 0.061 χ^2 /NDF: 1183047.4/21

yield_bpm0r05WS_mean vs Slug



Right In: 132549.335 $\pm$ 0.120	χ^2 /NDF: 161038742.0/16	+ sign 131466.852 $\pm$ 0.083	χ^2 /NDF: 413102254.6/2
Left Out: 130461.437 $\pm$ 0.115	χ^2 /NDF: 94173744.1/3	All: 131682.858 $\pm$ 0.058	χ^2 /NDF: 814077118
Right Out: 132837.715 $\pm$ 0.107	χ^2 /NDF: 149672642.4/18	- sign 131885.662 $\pm$ 0.080	χ^2 /NDF: 387850707.3/2
Left In: 130651.970 $\pm$ 0.122	χ^2 /NDF: 56690549.8/2		

yield_bpm0r05WS_rms vs Slug



Right In: 286.338 $\pm$ 0.085 χ^2 /NDF: 1514049.7/16

Left Out: 180.804 $\pm$ 0.082 χ^2 /NDF: 5382.4/3

Right Out: 261.146 $\pm$ 0.076 χ^2 /NDF: 1614381.3/18

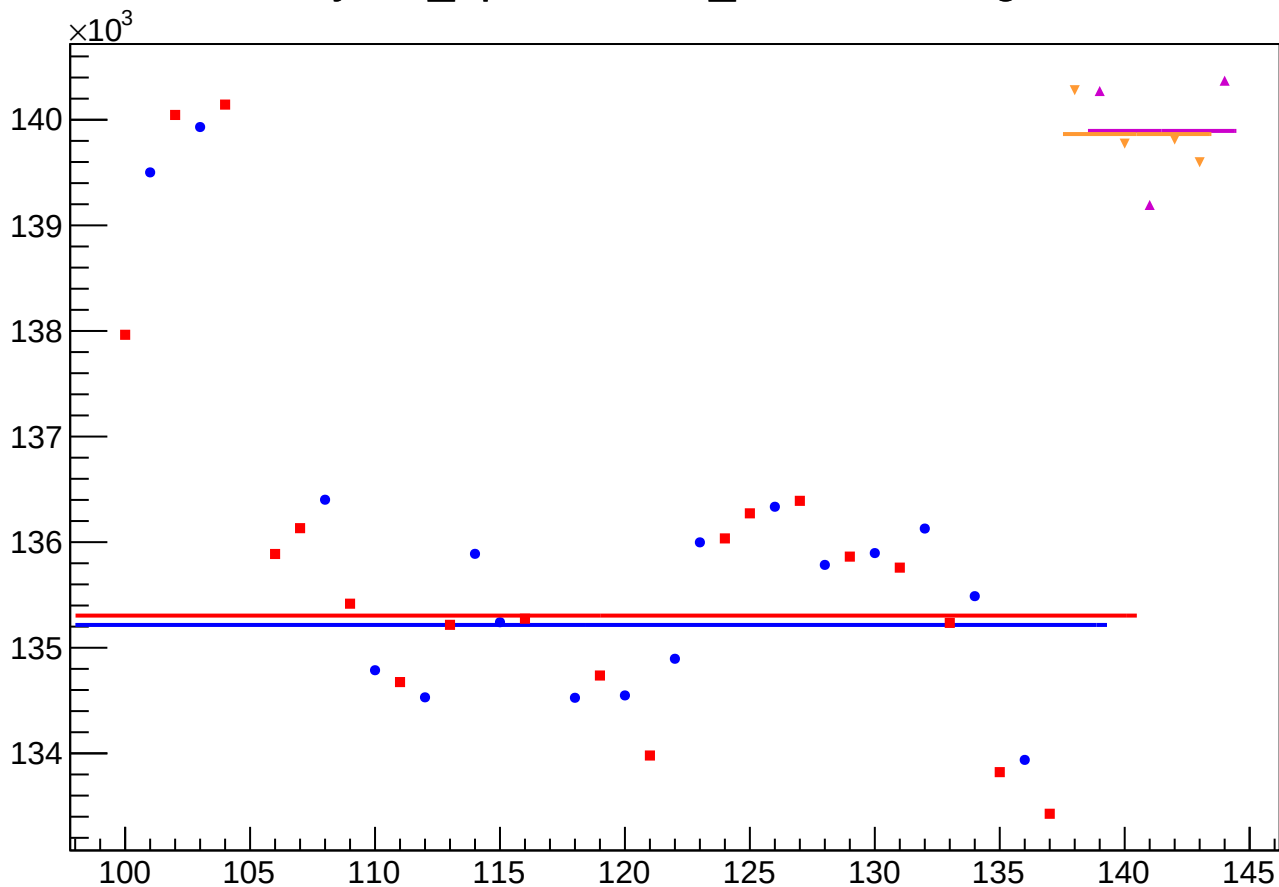
Left In: 185.328 $\pm$ 0.086 χ^2 /NDF: 2162.2/2

+ sign 231.623 $\pm$ 0.059 χ^2 /NDF: 2326204.1/20

All: 229.817 $\pm$ 0.041 χ^2 /NDF: 4381324.6/42

- sign 228.122 $\pm$ 0.057 χ^2 /NDF: 2053286.2/21

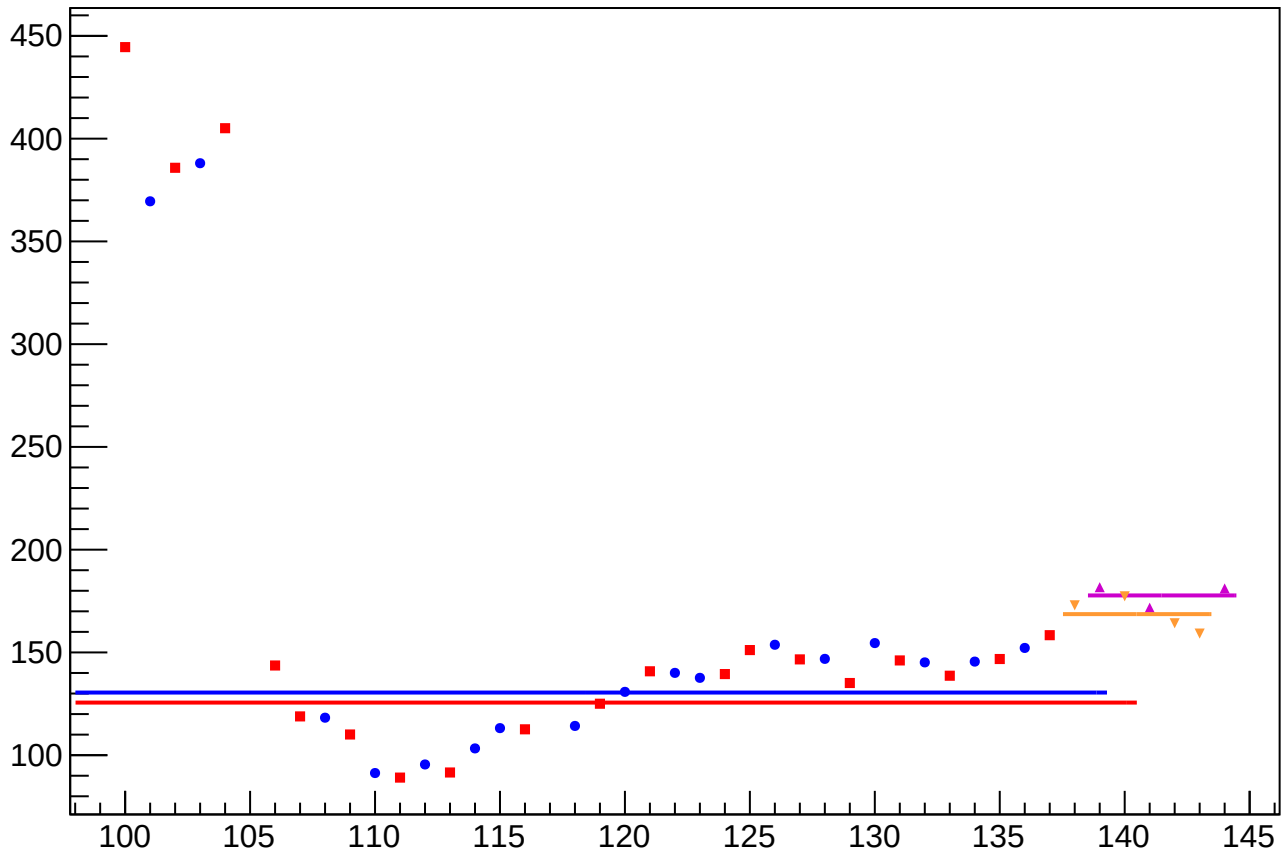
yield_bpm0i02WS_mean vs Slug



Right In: 135216.054 ± 0.054 $\chi^2/\text{NDF}: 371419425.6/16$
 Left Out: 139864.781 ± 0.106 $\chi^2/\text{NDF}: 6207414.6/3$
 Right Out: 135304.602 ± 0.051 $\chi^2/\text{NDF}: 357443836.5/18$
 Left In: 139894.455 ± 0.116 $\chi^2/\text{NDF}: 22657503.6/2$

+ sign 136190.805 ± 0.048 $\chi^2/\text{NDF}: 1907037821.8$
 All: 136119.538 ± 0.034 $\chi^2/\text{NDF}: 360372636$
 - sign 136052.874 ± 0.047 $\chi^2/\text{NDF}: 1692490513.4$

yield_bpm0i02WS_rms vs Slug



Right In: 130.478 ± 0.038 χ^2/NDF : 1372969.9/16

Left Out: 168.639 ± 0.075 χ^2/NDF : 9783.1/3

Right Out: 125.594 ± 0.036 χ^2/NDF : 1434855.8/18

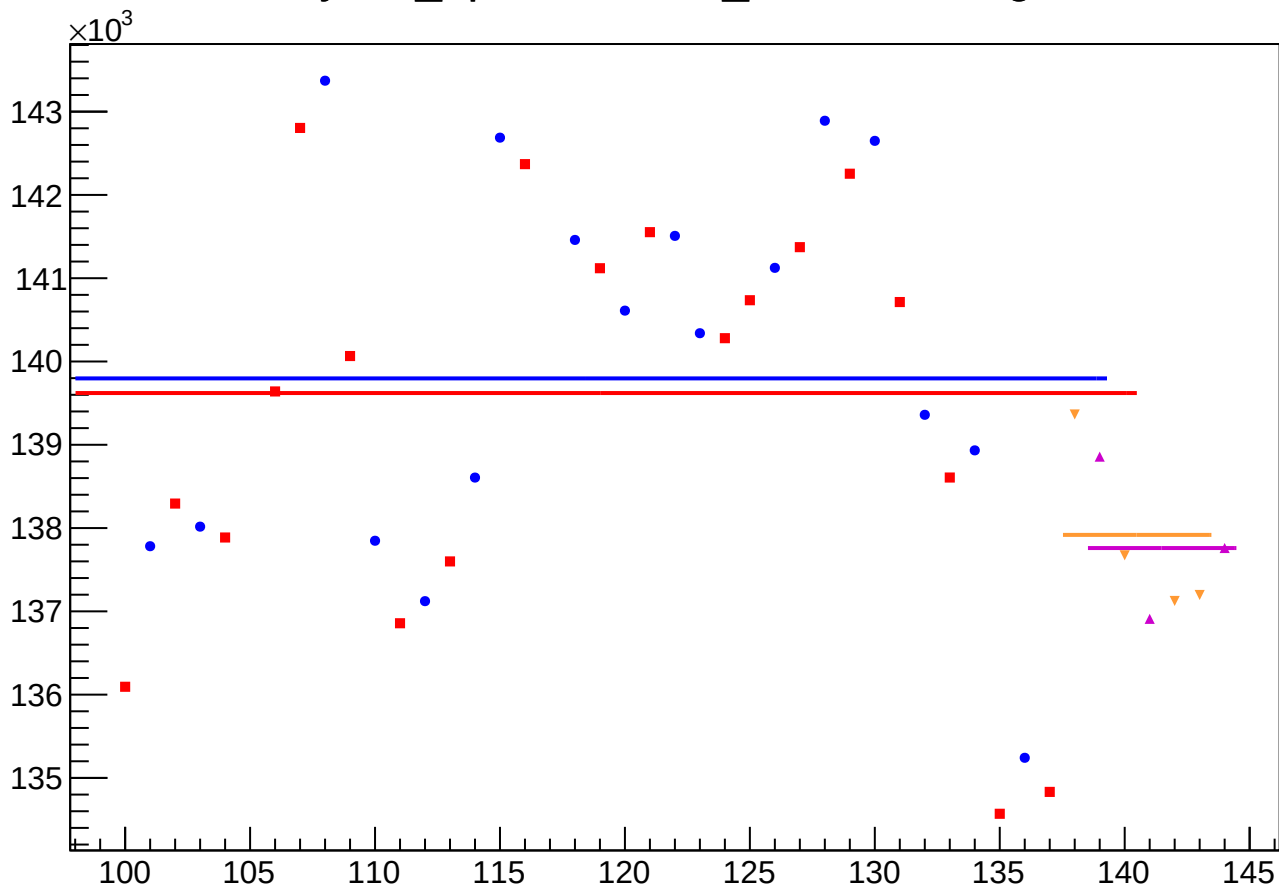
Left In: 177.732 ± 0.082 χ^2/NDF : 3272.5/2

+ sign 138.479 ± 0.034 χ^2/NDF : 1588878.5/20

All: 136.214 ± 0.024 χ^2/NDF : 3374174.4/42

- sign 134.094 ± 0.033 χ^2/NDF : 1776809.2/21

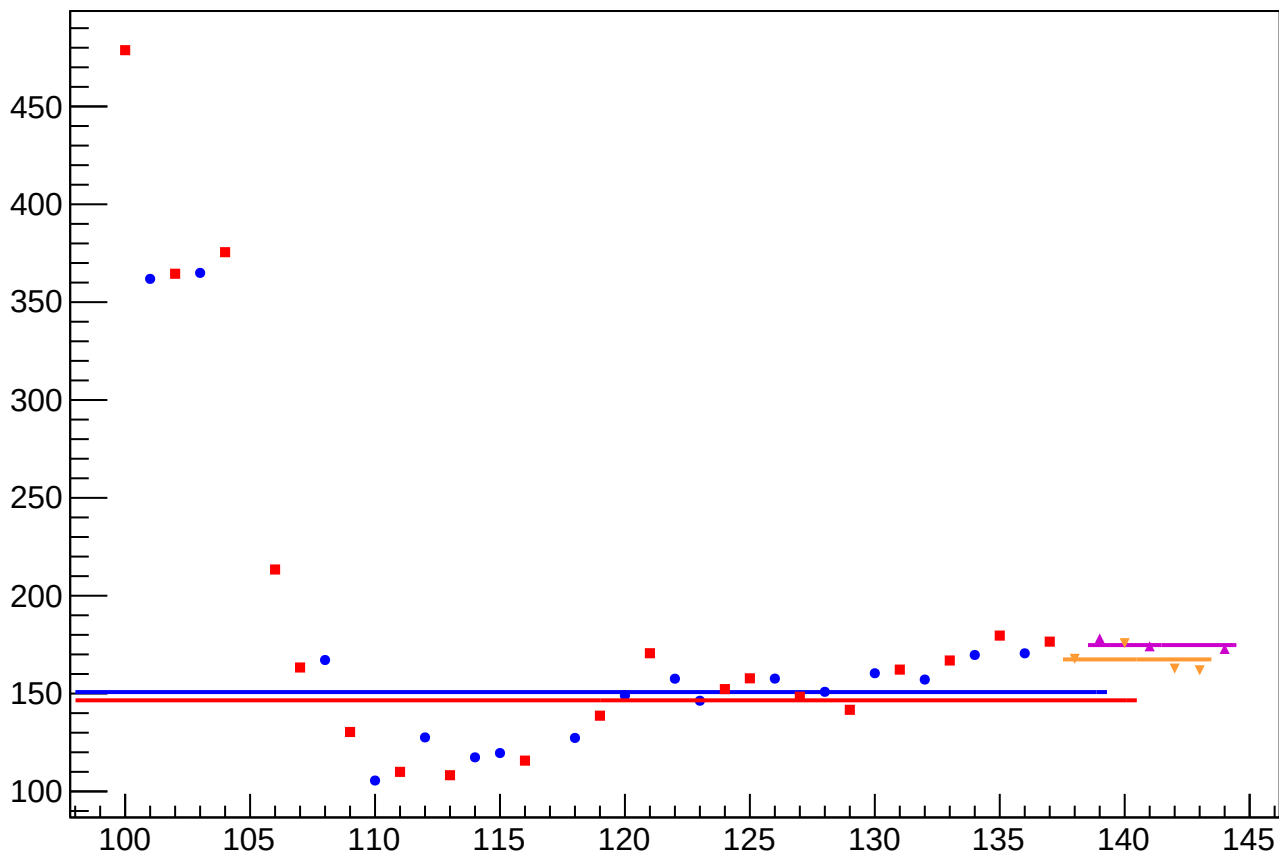
yield_bpm0i02aWS_mean vs Slug



Right In: 139796.979 ± 0.062 $\chi^2/\text{NDF}: 1668151198.8/16$
 Left Out: 137918.089 ± 0.105 $\chi^2/\text{NDF}: 76835246.5/3$
 Right Out: 139621.197 ± 0.059 $\chi^2/\text{NDF}: 1504518858.4/18$
 Left In: 137760.057 ± 0.114 $\chi^2/\text{NDF}: 45483937.6/2$

+ sign 139312.384 ± 0.053 $\chi^2/\text{NDF}: 1981414457.1$
 All: 139269.166 ± 0.037 $\chi^2/\text{NDF}: 374274389$
 - sign 139227.578 ± 0.052 $\chi^2/\text{NDF}: 1760046959.8/$

yield_bpm0i02aWS_rms vs Slug



Right In: 150.766 $\pm$ 0.044 χ^2 /NDF: 1050110.5/16

Left Out: 167.448 $\pm$ 0.074 χ^2 /NDF:5606.7/3

Right Out: 146.546 $\pm$ 0.042 χ^2 /NDF: 1200776.5/18

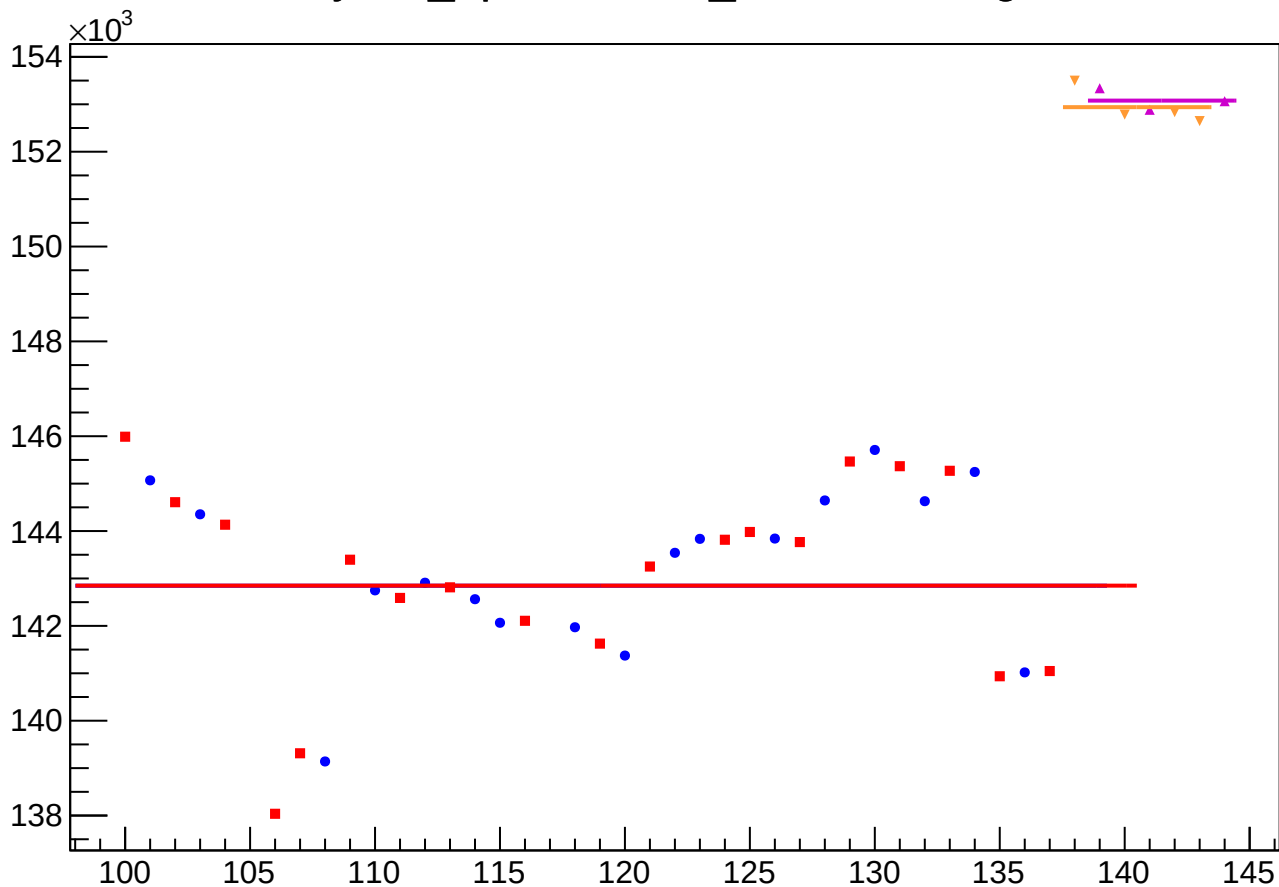
Left In: 174.777 $\pm$ 0.081 χ^2 /NDF:729.9/2

+ sign 155.069 $\pm$ 0.038 χ^2 /NDF: 1092993.1/20

All: 153.768 $\pm$ 0.026 χ^2 /NDF: 2393480.0/42

- sign 152.516 $\pm$ 0.037 χ^2 /NDF: 1298163.7/21

yield_bpm0i05WS_mean vs Slug



Right In: 142846.769 $\pm$ 0.065 χ^2 /NDF: 735751313.8/16

Left Out: 152939.557 $\pm$ 0.108 χ^2 /NDF: 9831975.4/3

Right Out: 142848.653 $\pm$ 0.060 χ^2 /NDF: 849741852.9/18

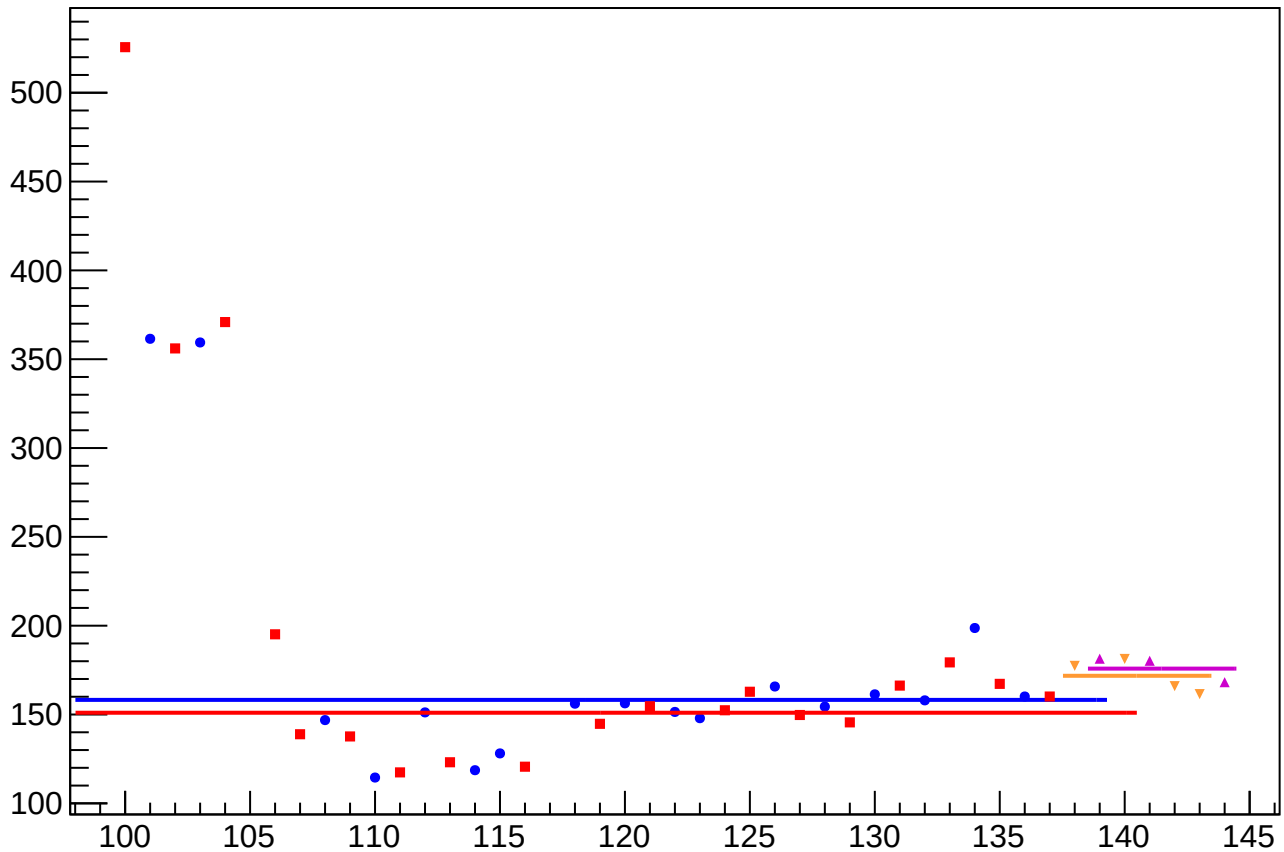
Left In: 153077.870 $\pm$ 0.115 χ^2 /NDF: 2353734.4/2

+ sign 145502.724 $\pm$ 0.056 χ^2 /NDF: 7132474635.8

All: 145276.647 $\pm$ 0.039 χ^2 /NDF: 14235789

- sign 145067.718 $\pm$ 0.053 χ^2 /NDF: 7071514086.4

yield_bpm0i05WS_rms vs Slug



Right In: 158.235 $\pm$ 0.046 χ^2 /NDF: 883619.5/16

Left Out: 171.801 $\pm$ 0.077 χ^2 /NDF: 11829.8/3

Right Out: 150.999 $\pm$ 0.043 χ^2 /NDF: 1000583.6/18

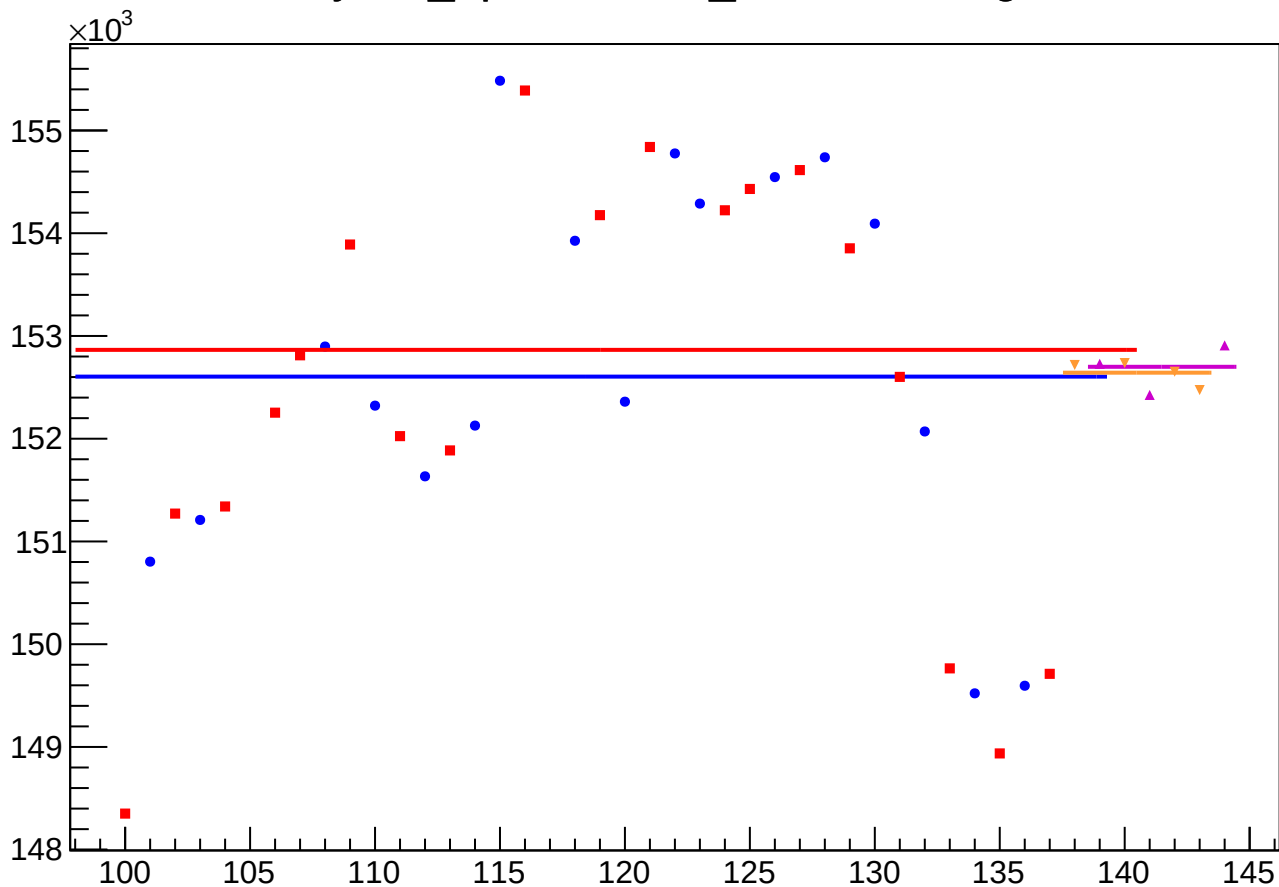
Left In: 175.838 $\pm$ 0.081 χ^2 /NDF: 5754.4/2

+ sign 161.805 $\pm$ 0.039 χ^2 /NDF: 918527.6/20

All: 158.989 $\pm$ 0.027 χ^2 /NDF: 2008069.7/42

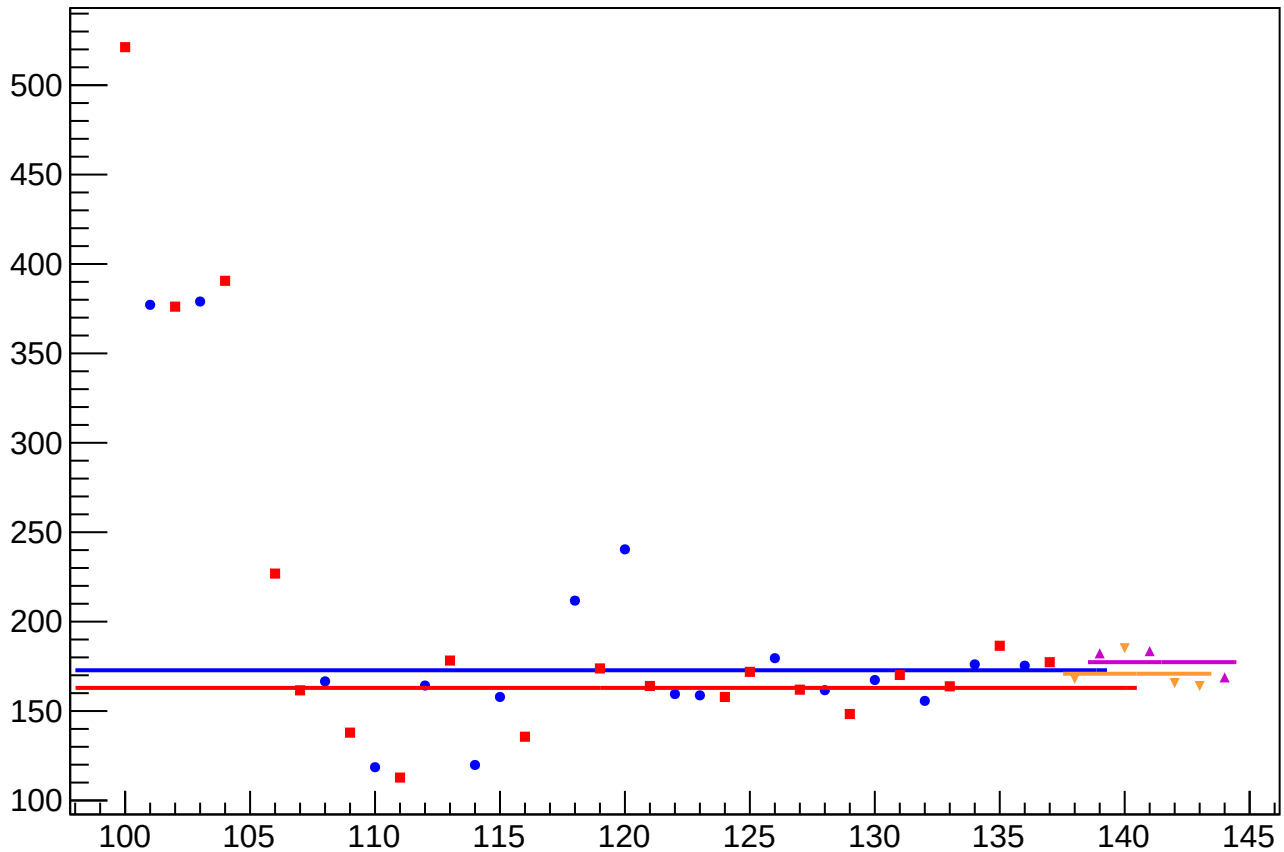
- sign 156.388 $\pm$ 0.038 χ^2 /NDF: 1079680.1/21

yield_bpm0i07WS_mean vs Slug



Right In: 152604.406 ± 0.072 $\chi^2/\text{NDF}: 616818062.6/16$ $+ \text{sign } 152616.324 \pm 0.060$ $\chi^2/\text{NDF}: 617934624.3/2$
 Left Out: 152642.642 ± 0.107 $\chi^2/\text{NDF}: 1029316.1/3$ All: 152724.549 ± 0.041 $\chi^2/\text{NDF}: 134733637$
 Right Out: 152864.722 ± 0.066 $\chi^2/\text{NDF}: 718455566.6/18$ $- \text{sign } 152823.995 \pm 0.057$ $\chi^2/\text{NDF}: 723150065.2/2$
 Left In: 152699.923 ± 0.116 $\chi^2/\text{NDF}: 3164856.2/2$

yield_bpm0i07WS_rms vs Slug



Right In: 172.803 ± 0.051 $\chi^2/\text{NDF}: 945652.6/16$

Left Out: 170.861 ± 0.076 $\chi^2/\text{NDF}: 12536.4/3$

+ sign 172.198 ± 0.042 $\chi^2/\text{NDF}: 958638.9/20$

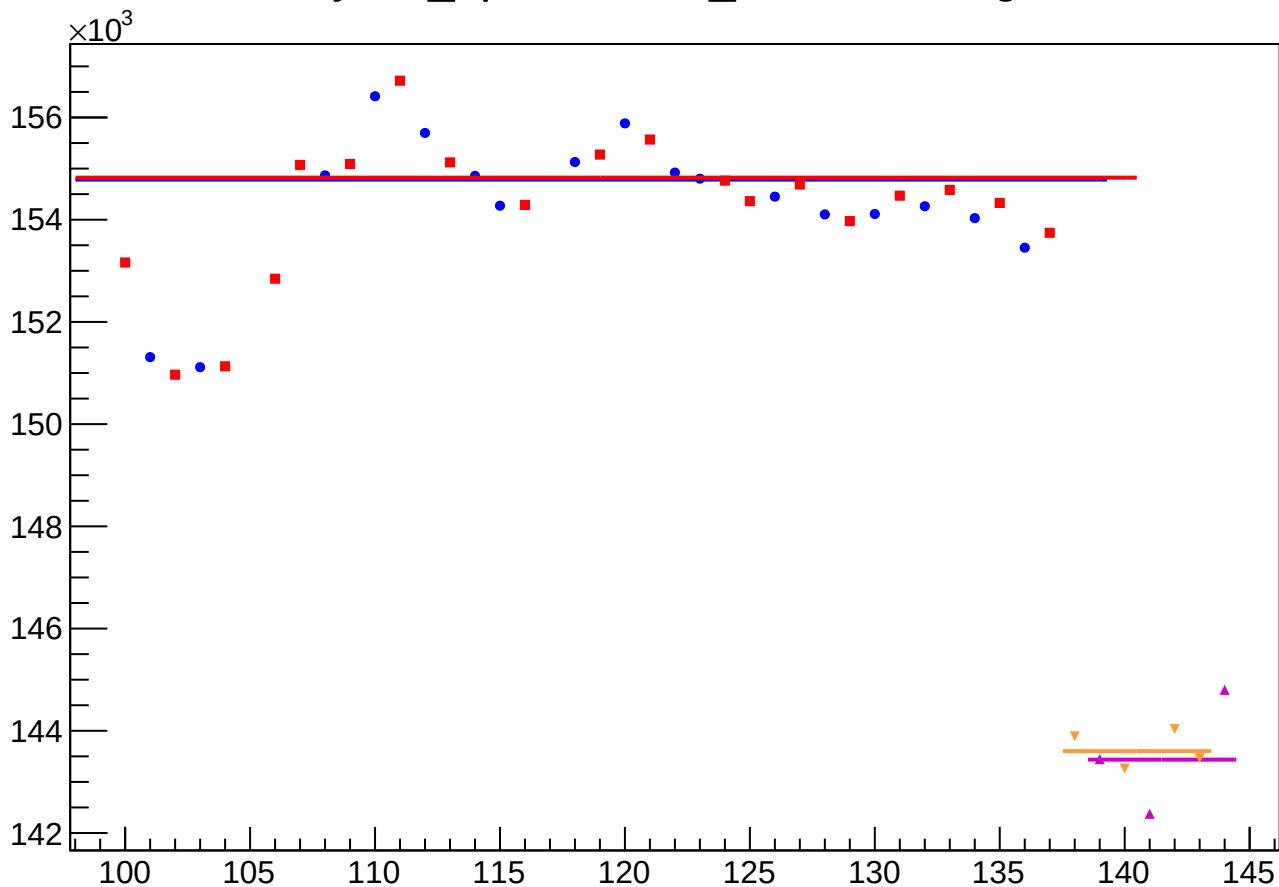
Right Out: 162.951 ± 0.047 $\chi^2/\text{NDF}: 1032146.9/18$

All: 169.232 ± 0.029 $\chi^2/\text{NDF}: 2030668.4/42$

- sign 166.506 ± 0.041 $\chi^2/\text{NDF}: 1062637.1/21$

Left In: 177.335 ± 0.082 $\chi^2/\text{NDF}: 7185.5/2$

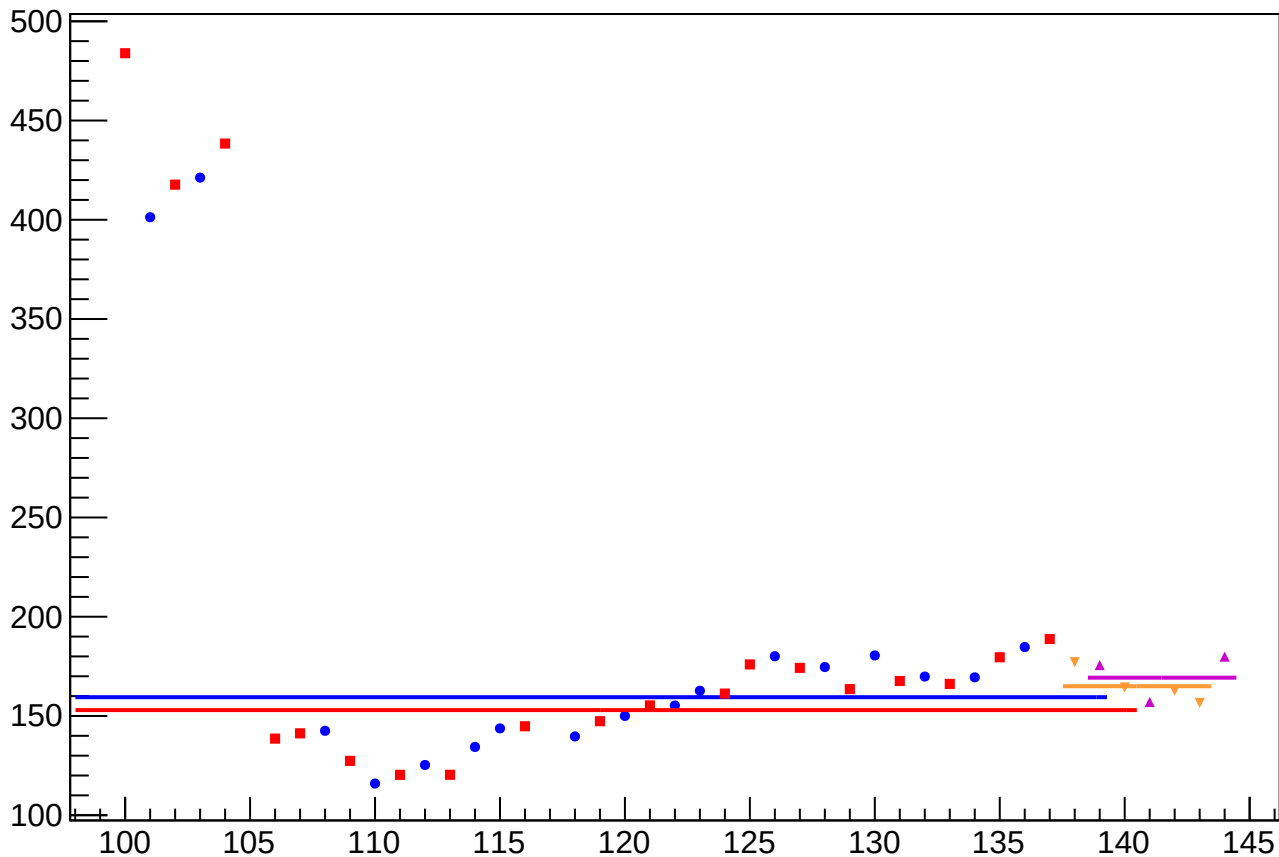
yield_bpm1i02WS_mean vs Slug



Right In: 154784.970 ± 0.065 $\chi^2/\text{NDF}: 265445259.7/16$
 Left Out: 143602.087 ± 0.103 $\chi^2/\text{NDF}: 8696042.1/3$
 Right Out: 154822.442 ± 0.061 $\chi^2/\text{NDF}: 293784821.8/18$
 Left In: 143436.032 ± 0.110 $\chi^2/\text{NDF}: 87038640.8/2$

+ sign 151573.609 ± 0.055 $\chi^2/\text{NDF}: 8651619123.5$
 All: 151879.737 ± 0.038 $\chi^2/\text{NDF}: 172515041$
 - sign 152164.564 ± 0.053 $\chi^2/\text{NDF}: 8540682422.0/$

yield_bpm1i02WS_rms vs Slug



Right In: 159.460 $\pm$ 0.046 χ^2 /NDF: 1131650.0/16

Left Out: 164.973 $\pm$ 0.073 χ^2 /NDF:10684.2/3

Right Out: 152.961 $\pm$ 0.043 χ^2 /NDF: 1169783.0/18

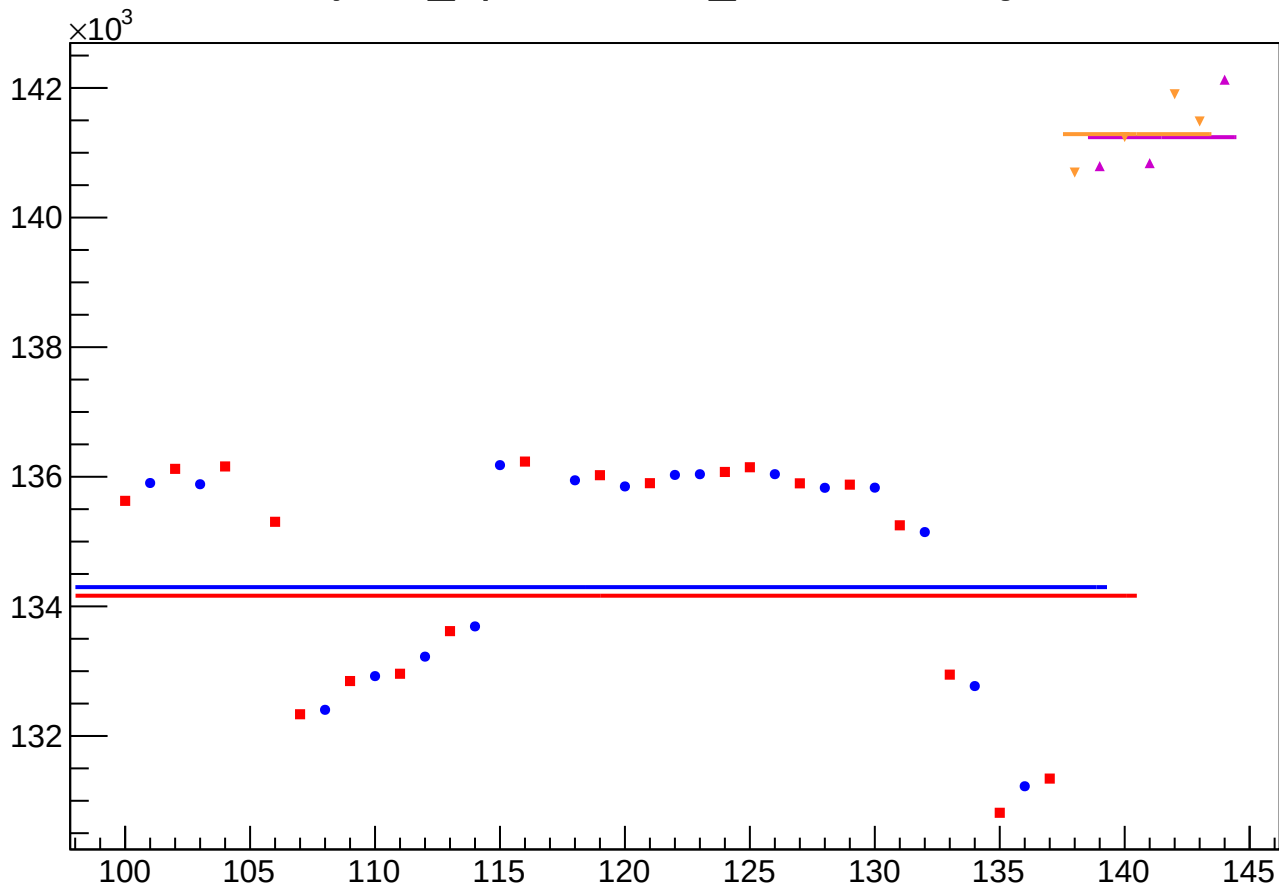
Left In: 169.297 $\pm$ 0.078 χ^2 /NDF:17842.6/2

+ sign 161.043 $\pm$ 0.039 χ^2 /NDF: 1146406.9/20

All: 158.832 $\pm$ 0.027 χ^2 /NDF: 2373799.1/42

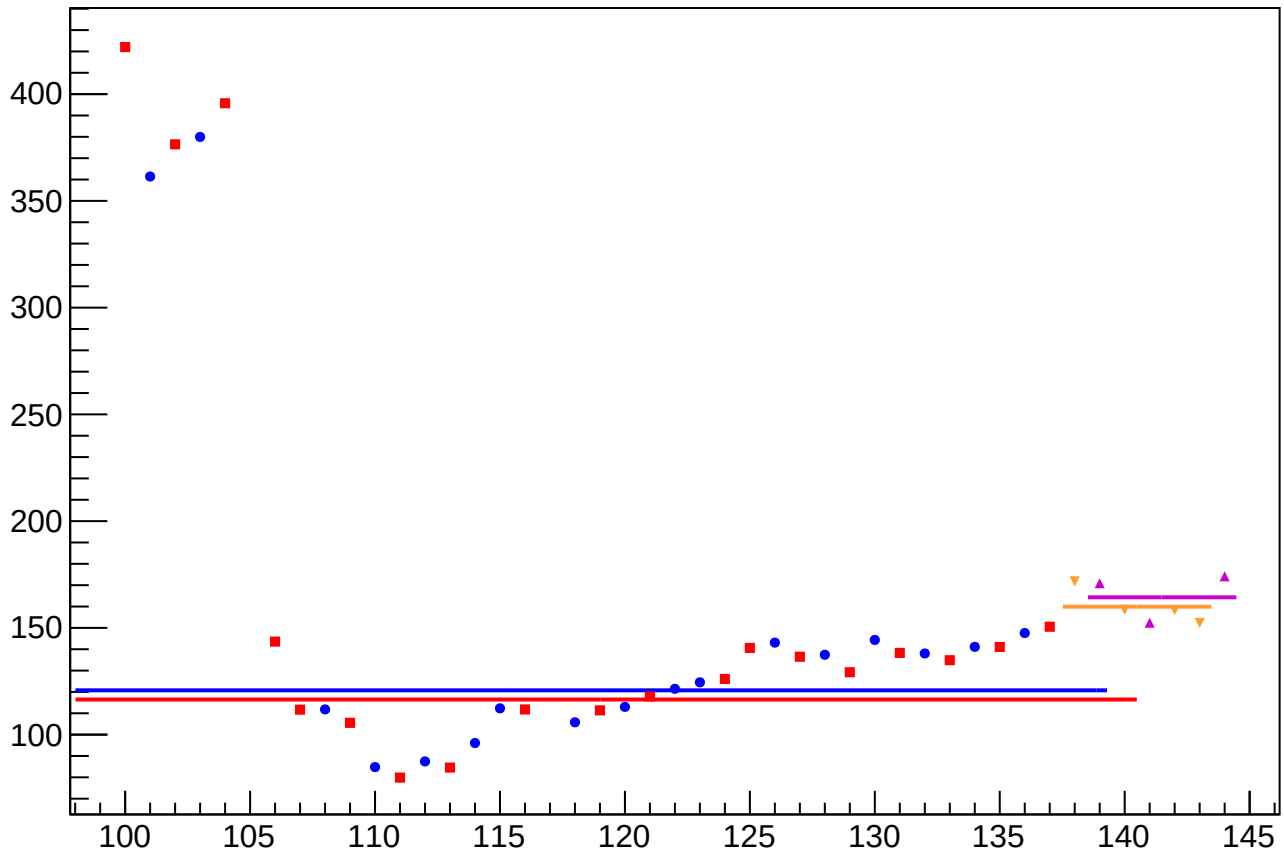
- sign 156.774 $\pm$ 0.038 χ^2 /NDF: 1221214.6/21

yield_bpm1i04WS_mean vs Slug



Right In: 134297.022 $\pm$ 0.050 χ^2/NDF : 1147567257.7/16
 Left Out: 141287.482 $\pm$ 0.100 χ^2/NDF : 16036004.1/3
 Right Out: 134164.594 $\pm$ 0.047 χ^2/NDF : 1210514088.0/18
 Left In: 141240.729 $\pm$ 0.107 χ^2/NDF : 32377604.8/2

yield_bpm1i04WS_rms vs Slug



Right In: 120.752 $\pm$ 0.036 χ^2 /NDF: 1465247.5/16

Left Out: 159.934 $\pm$ 0.071 χ^2 /NDF:10354.5/3

Right Out: 116.453 $\pm$ 0.034 χ^2 /NDF: 1535612.1/18

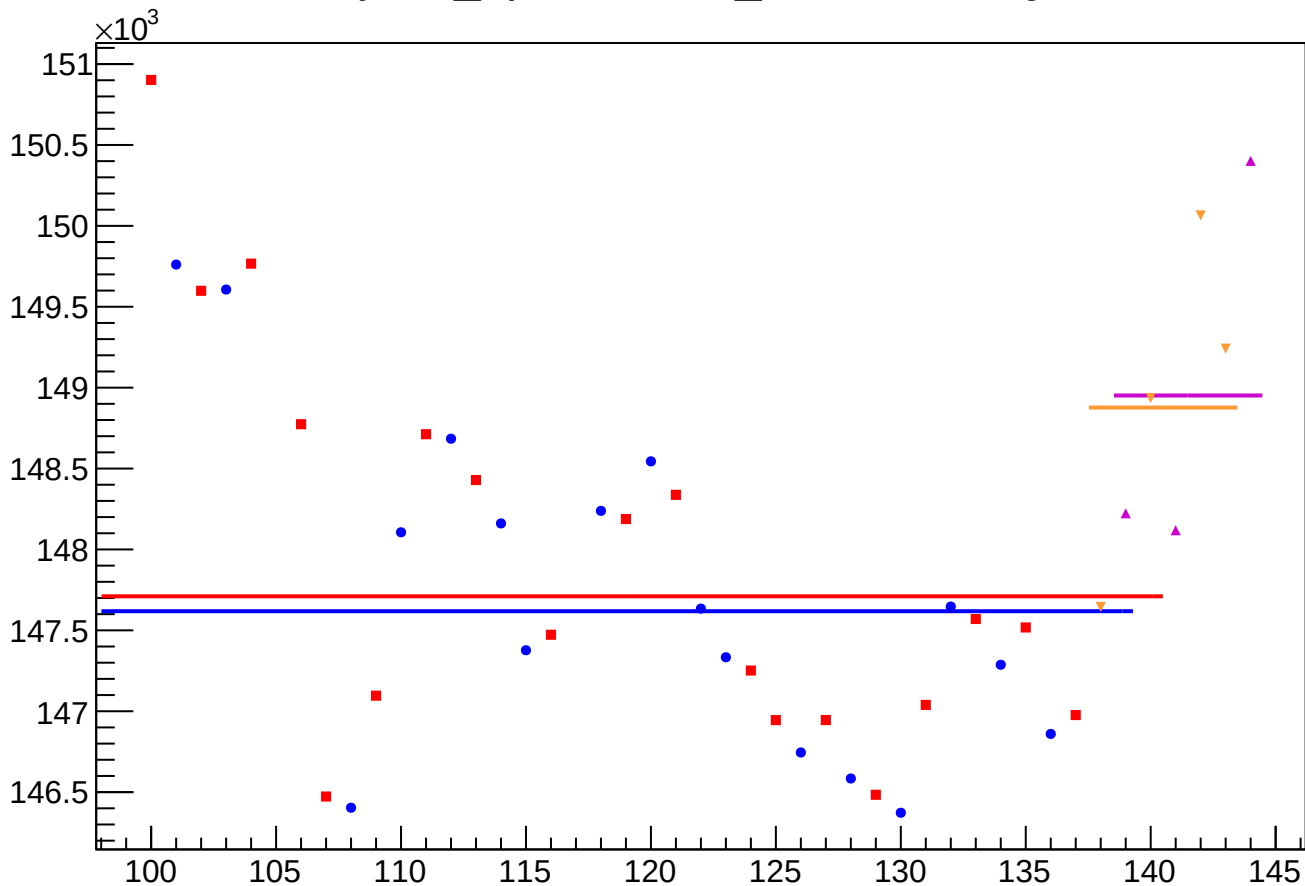
Left In: 164.318 $\pm$ 0.076 χ^2 /NDF:17590.4/2

+ sign 128.679 $\pm$ 0.032 χ^2 /NDF: 1720180.4/20

All: 126.399 $\pm$ 0.022 χ^2 /NDF: 3616932.7/42

- sign 124.284 $\pm$ 0.031 χ^2 /NDF: 1886860.3/21

yield_bpm1i06WS_mean vs Slug



Right In: 147618.243 $\pm$ 0.063 χ^2 /NDF: 198581777.1/16

Left Out: 148876.872 $\pm$ 0.120 χ^2 /NDF: 46576336.8/3

Right Out: 147710.334 $\pm$ 0.058 χ^2 /NDF: 203714451.2/18

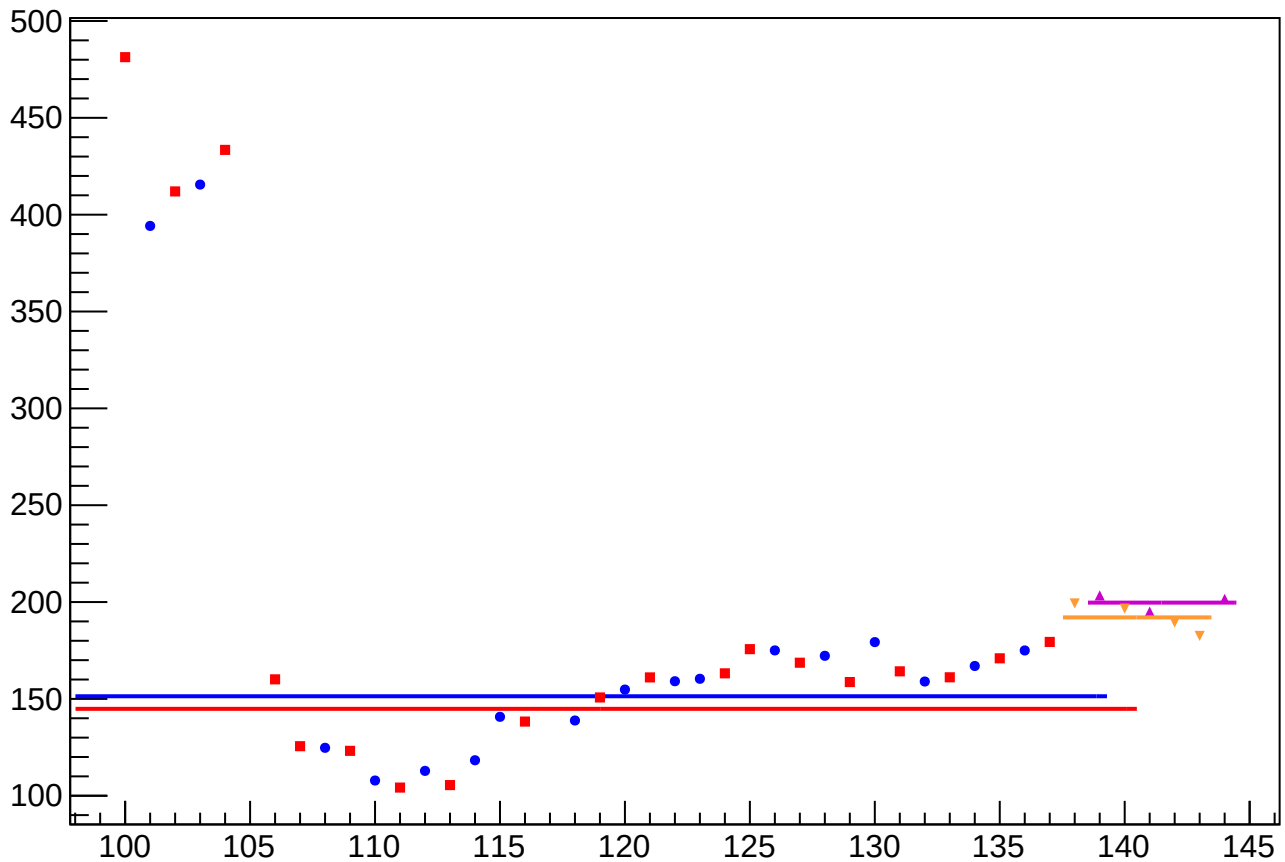
Left In: 148951.586 $\pm$ 0.130 χ^2 /NDF: 67743591.5/2

+ sign 147886.972 $\pm$ 0.056 χ^2 /NDF: 331509898.4/2

All: 147903.357 $\pm$ 0.038 χ^2 /NDF: 679018383.1/1

- sign 147918.426 $\pm$ 0.053 χ^2 /NDF: 347341190.7/2

yield_bpm1i06WS_rms vs Slug



Right In: 151.363 $\pm$ 0.044 χ^2 /NDF: 1259788.8/16

Left Out: 192.081 $\pm$ 0.085 χ^2 /NDF:6452.6/3

Right Out: 144.870 $\pm$ 0.041 χ^2 /NDF: 1371292.3/18

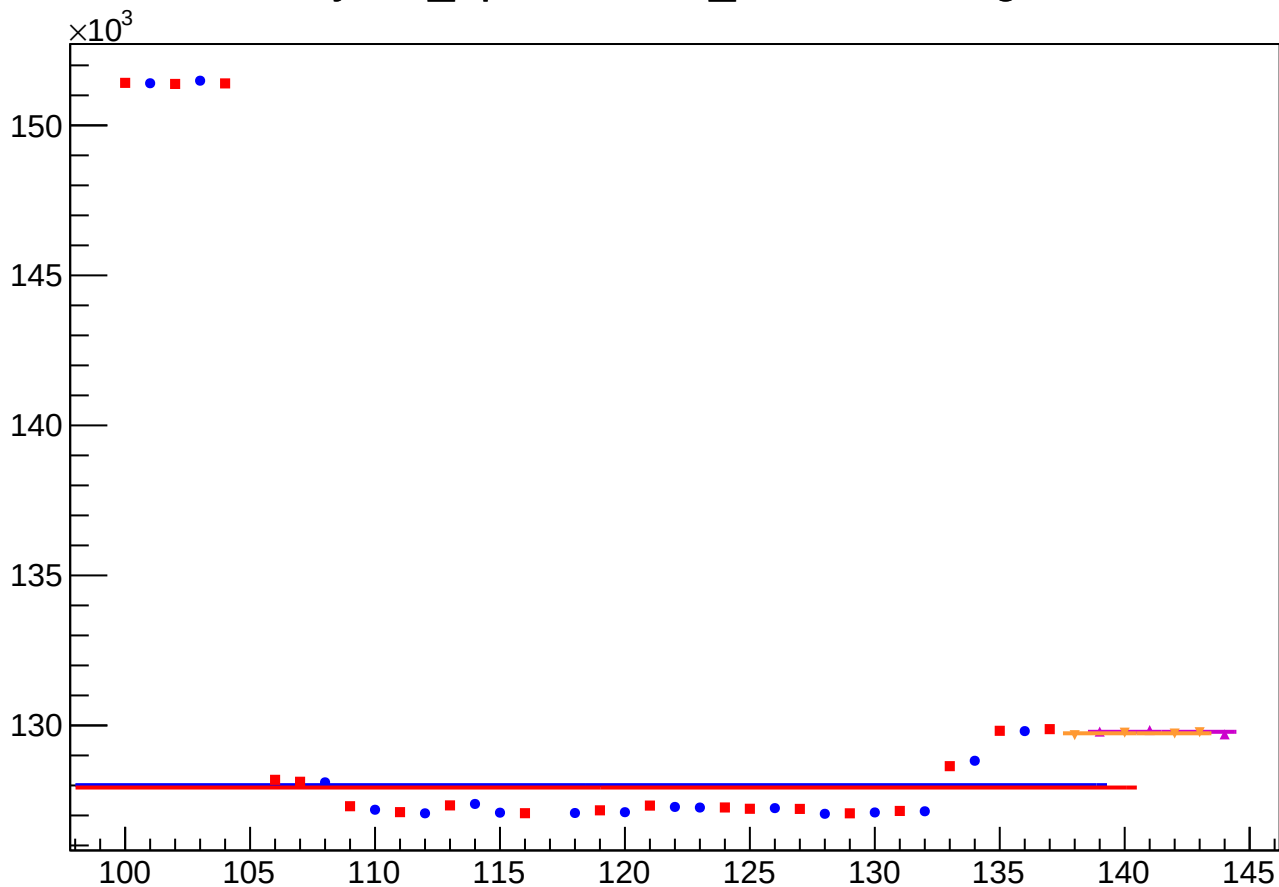
Left In: 199.705 $\pm$ 0.092 χ^2 /NDF:1543.0/2

+ sign 160.056 $\pm$ 0.039 χ^2 /NDF: 1446993.9/20

All: 156.934 $\pm$ 0.027 χ^2 /NDF: 3128176.8/42

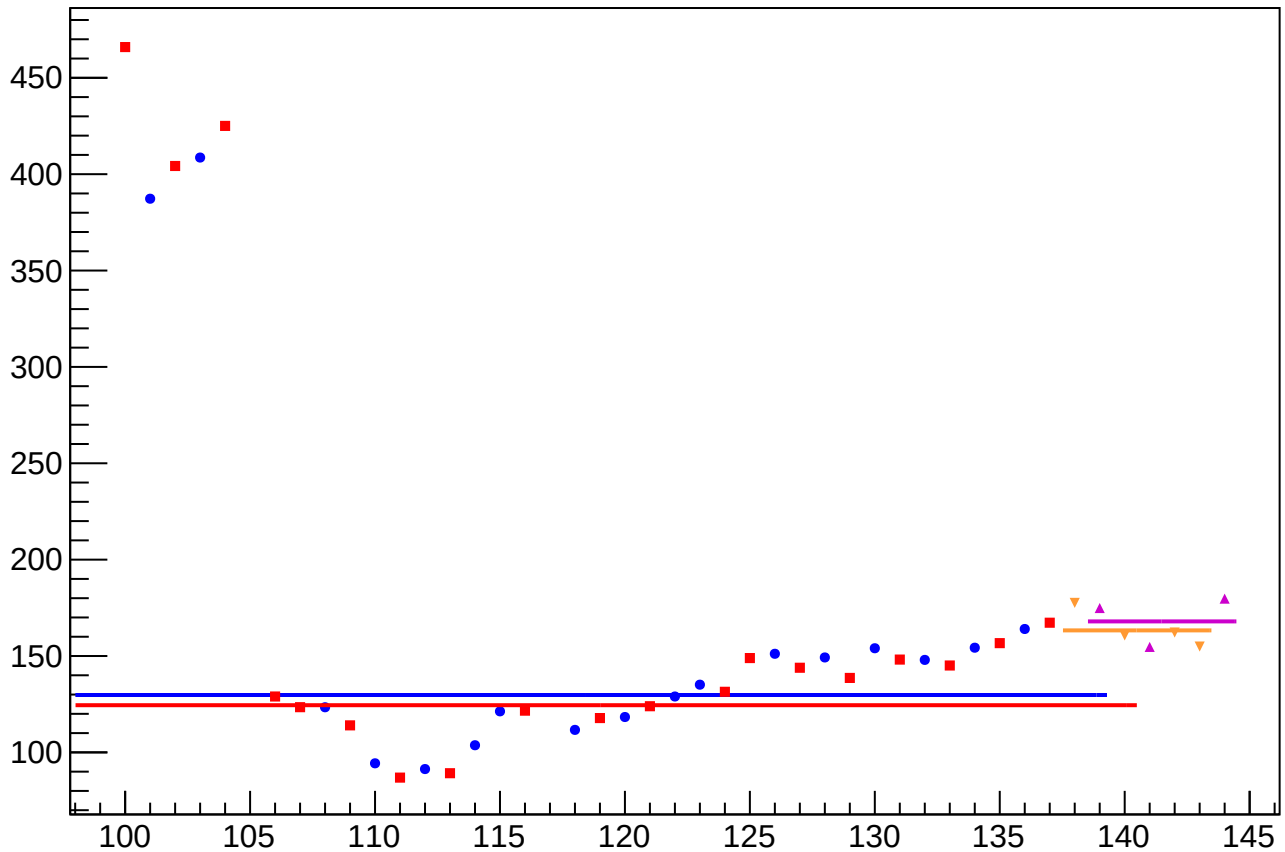
- sign 154.063 $\pm$ 0.038 χ^2 /NDF: 1669033.9/21

yield_bpm2i01WS_mean vs Slug

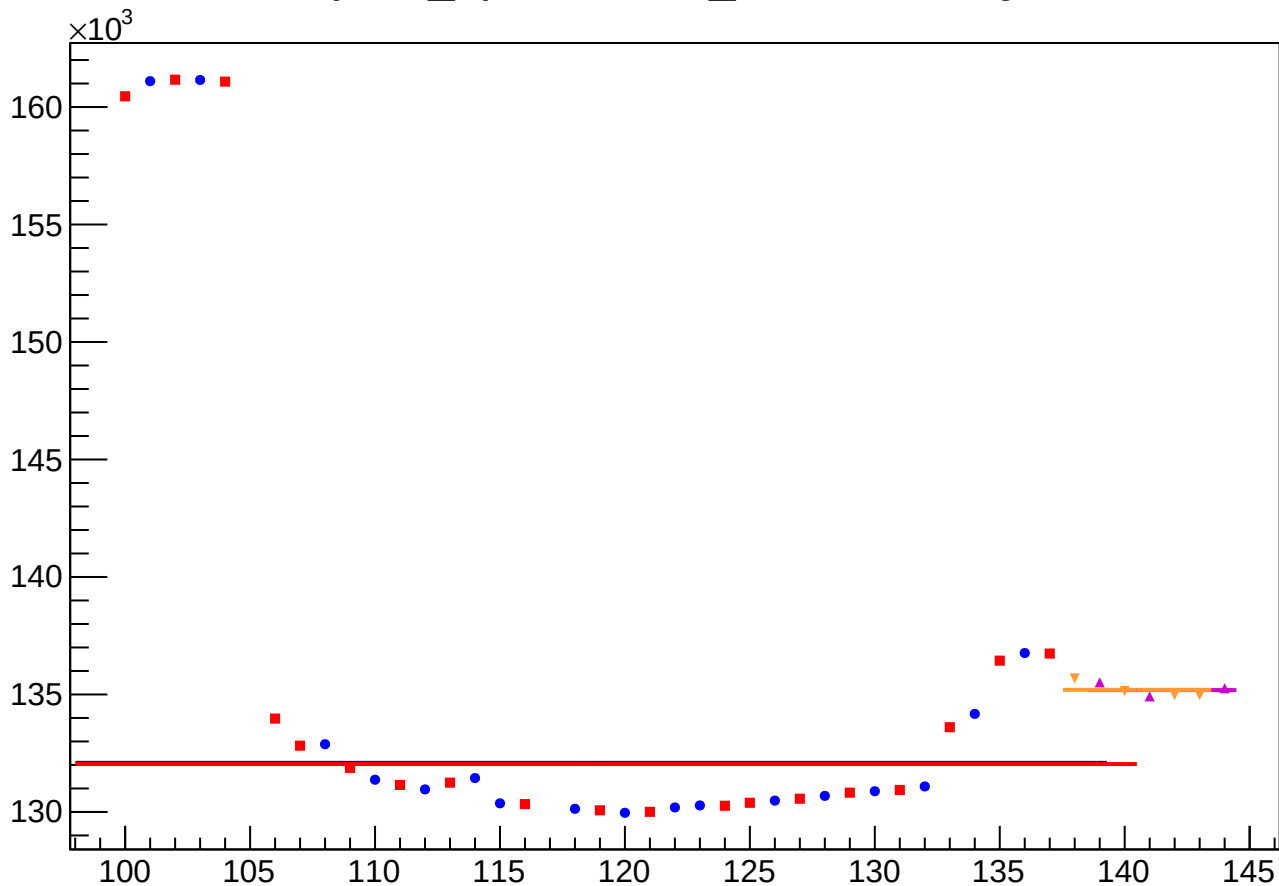


Right In: 128009.906 $\pm$ 0.054 χ^2 /NDF: 4319099803.8/16
 Left Out: 129737.939 $\pm$ 0.102 χ^2 /NDF:138356.8/3
 Right Out: 127930.465 $\pm$ 0.050 χ^2 /NDF: 3768075163.1/18
 Left In: 129787.822 $\pm$ 0.110 χ^2 /NDF:312237.8/2
 + sign 128389.521 $\pm$ 0.048 χ^2 /NDF: 4542425369.7
 All: 128319.162 $\pm$ 0.033 χ^2 /NDF: 855222160
 - sign 128254.867 $\pm$ 0.046 χ^2 /NDF: 4005665450.2

yield_bpm2i01WS_rms vs Slug



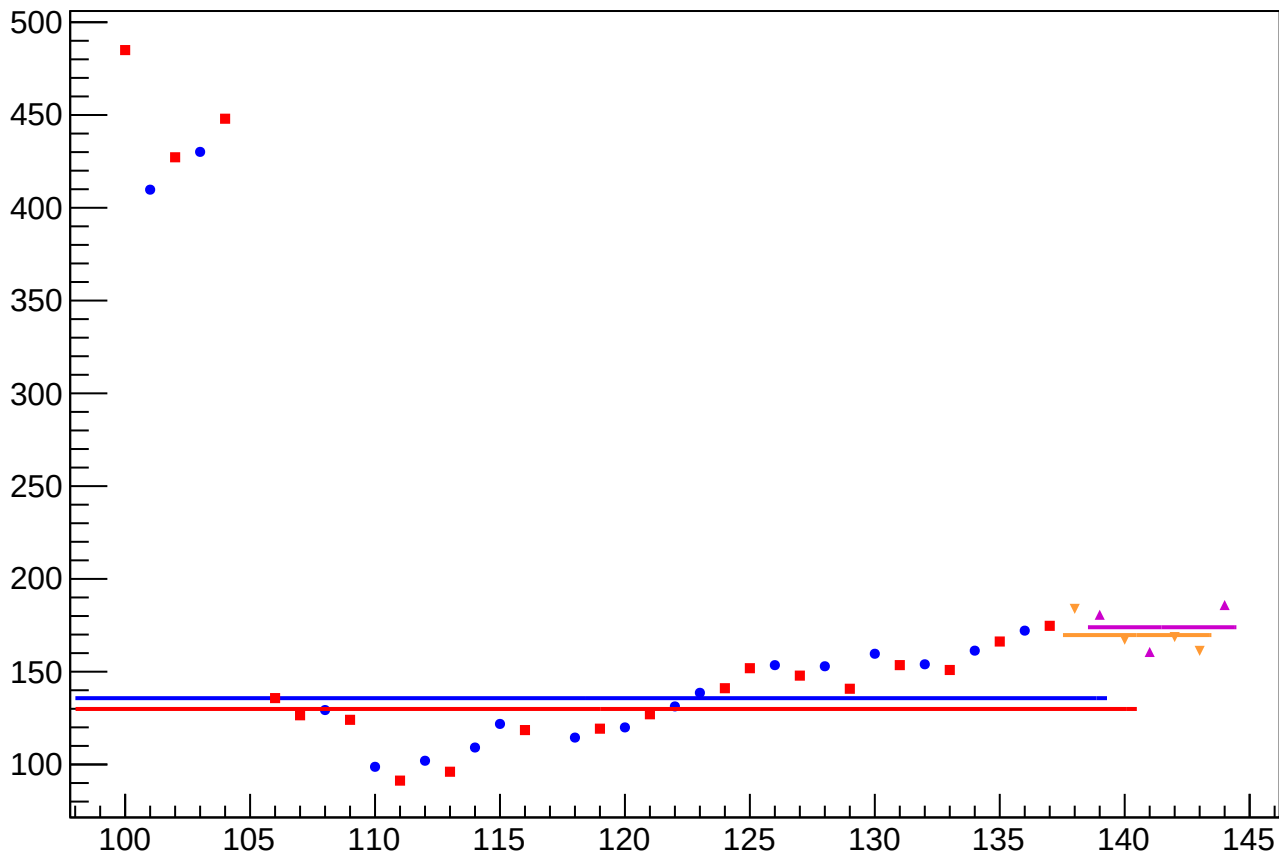
yield_bpm2i02WS_mean vs Slug



Right In: 132090.159 $\pm$ 0.057 χ^2 /NDF: 6731961368.4/16
 Left Out: 135196.377 $\pm$ 0.106 χ^2 /NDF: 7131197.3/3
 Right Out: 132038.077 $\pm$ 0.053 χ^2 /NDF: 5881799125.4/18
 Left In: 135186.858 $\pm$ 0.113 χ^2 /NDF: 4706175.1/2

+ sign 132777.914 $\pm$ 0.050 χ^2 /NDF: 7405707362.7
 All: 132681.770 $\pm$ 0.034 χ^2 /NDF: 139336902
 - sign 132594.197 $\pm$ 0.048 χ^2 /NDF: 6520903906.6

yield_bpm2i02WS_rms vs Slug



Right In: 135.730 $\pm$ 0.040 χ^2 /NDF: 1442560.7/16

Left Out: 169.732 $\pm$ 0.075 χ^2 /NDF:12530.0/3

Right Out: 129.912 $\pm$ 0.037 χ^2 /NDF: 1498757.6/18

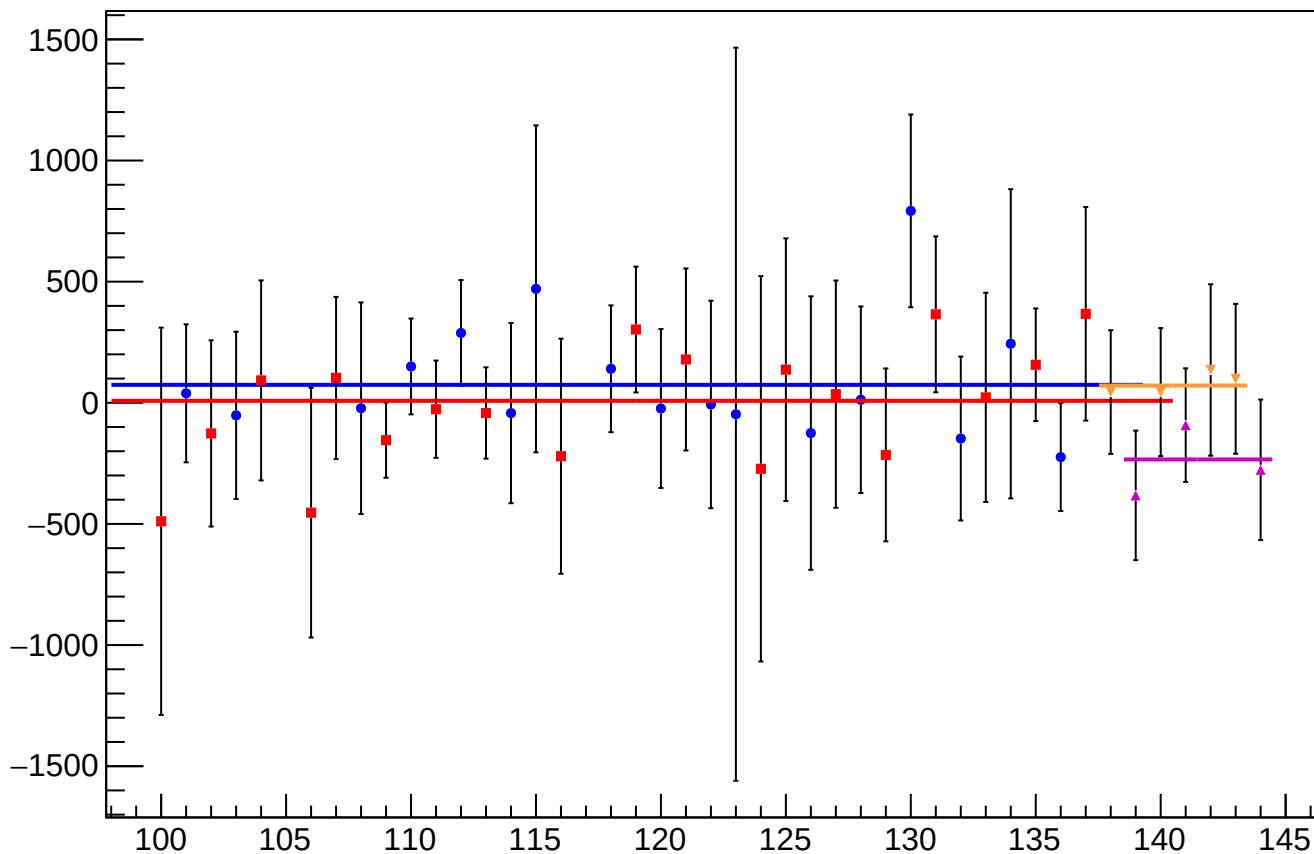
Left In: 173.953 $\pm$ 0.080 χ^2 /NDF:20437.4/2

+ sign 143.259 $\pm$ 0.035 χ^2 /NDF: 1614839.0/20

All: 140.345 $\pm$ 0.024 χ^2 /NDF: 3395244.6/42

- sign 137.690 $\pm$ 0.034 χ^2 /NDF: 1767399.0/21

asym_bcm_an_ds_mean vs Slug



Right In: 74.036+/-79.233 χ^2/NDF : 7.6/16

Left Out: 71.261+/-144.215 χ^2/NDF : 0.1/3

Right Out: 8.046+/-70.080 χ^2/NDF : 7.2/18

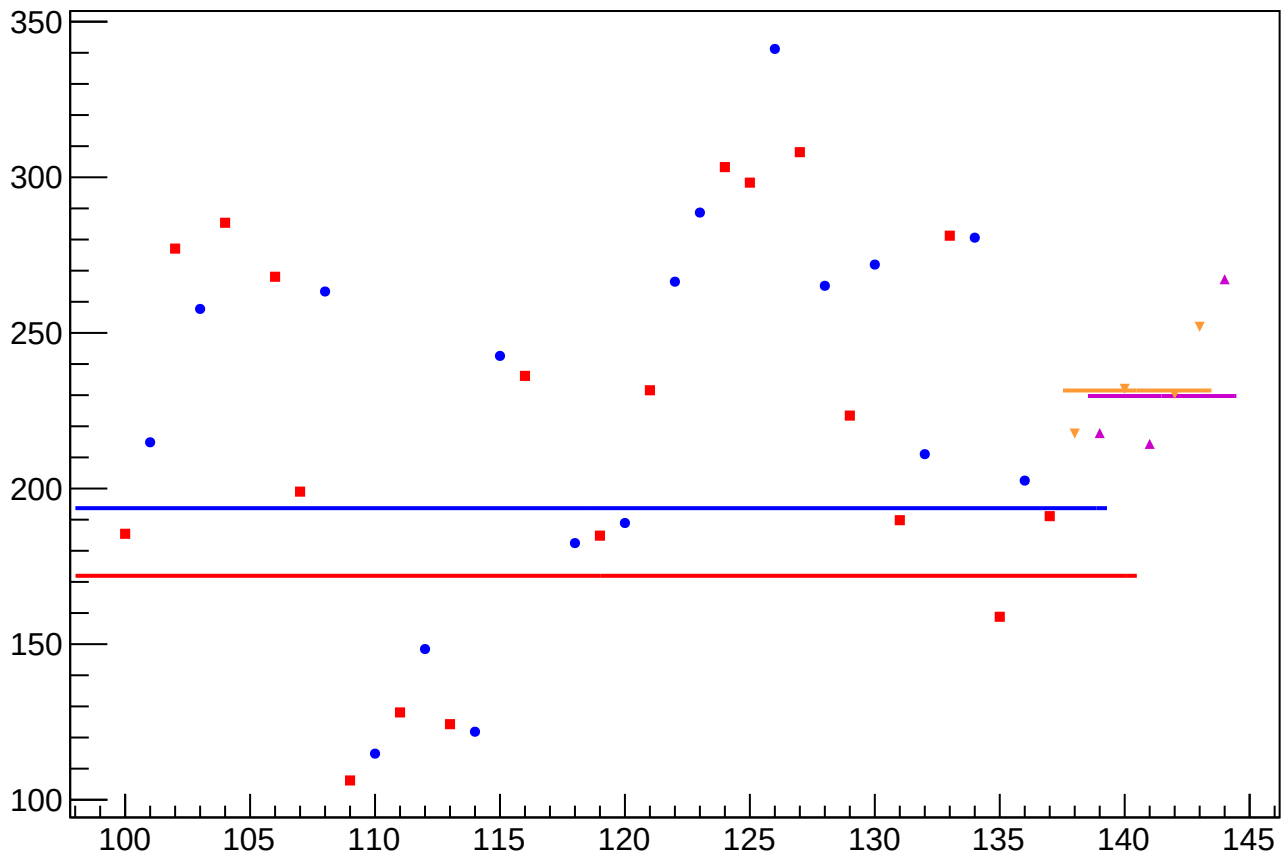
Left In: -233.973+/-150.564 χ^2/NDF : 0.7/2

+ sign 73.393+/-69.442 χ^2/NDF : 7.7/20

All: 14.364+/-46.876 χ^2/NDF : 19.1/42

- sign -35.049+/-63.535 χ^2/NDF : 10.0/21

asym_bcm_an_ds_rms vs Slug



Right In: 193.695+/-0.056 χ^2/NDF : 1018039.6/16

Left Out: 231.497+/-0.102 χ^2/NDF :14677.4/3

Right Out: 171.963+/-0.050 χ^2/NDF : 1574387.3/18

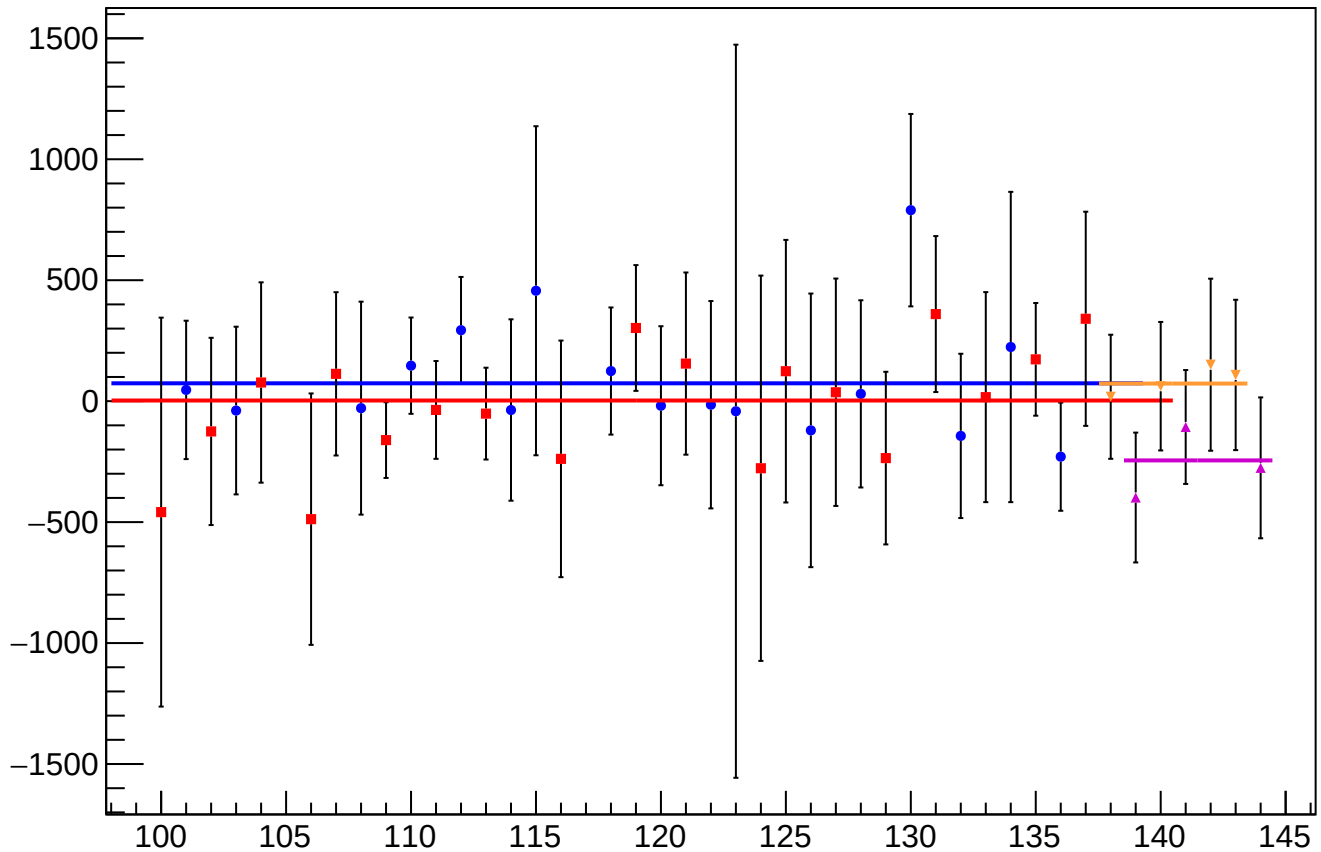
Left In: 229.724+/-0.106 χ^2/NDF :46081.9/2

+ sign 202.460+/-0.049 χ^2/NDF : 1138268.7/20

All: 191.458+/-0.033 χ^2/NDF : 3092900.2/42

- sign 182.248+/-0.045 χ^2/NDF : 1862407.2/21

asym_bcm_an_ds3_mean vs Slug



Right In: 73.822 ± 79.620 χ^2/NDF : 7.5/16

Left Out: 72.772 ± 144.871 χ^2/NDF : 0.1/3

Right Out: 2.721 ± 70.450 χ^2/NDF : 7.4/18

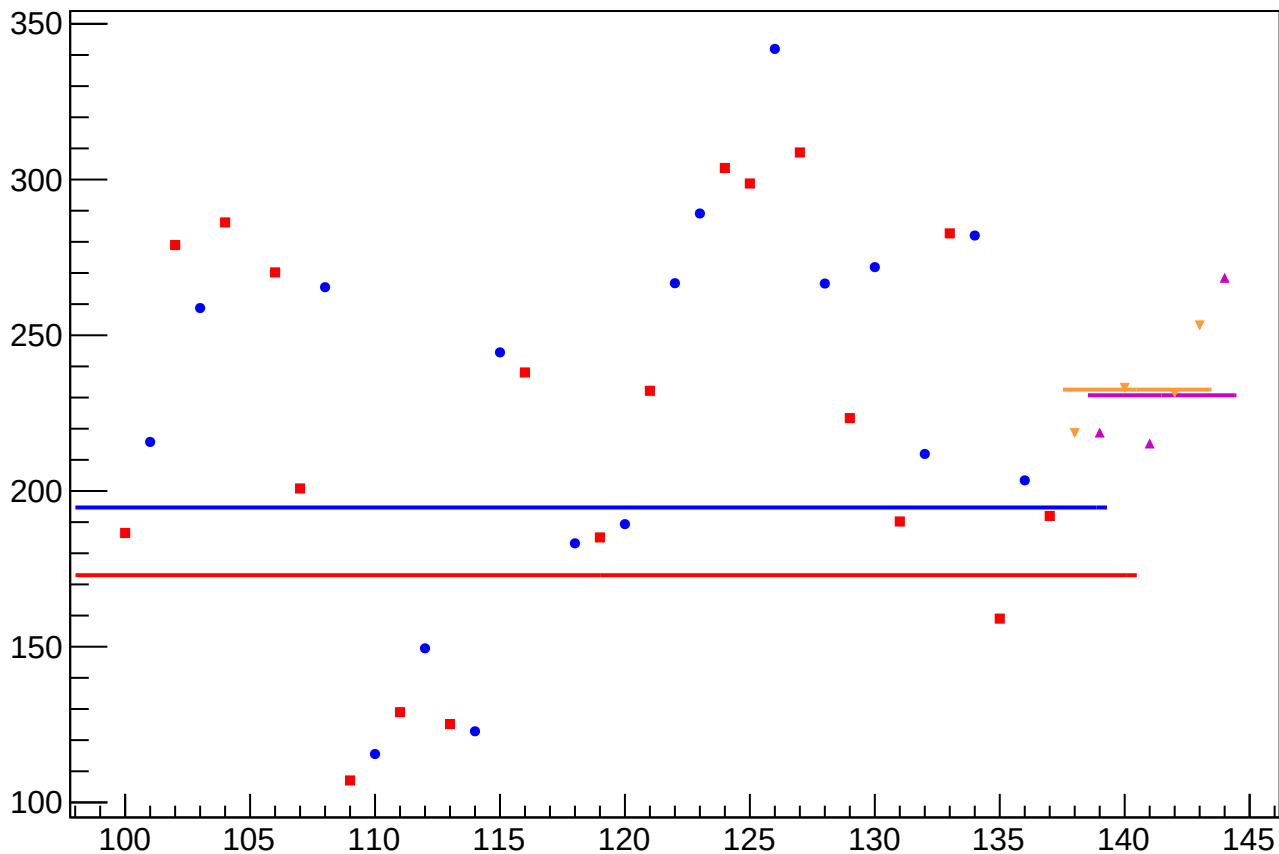
Left In: -244.903 ± 151.225 χ^2/NDF : 0.7/2

+ sign 73.578 ± 69.776 χ^2/NDF : 7.7/20

All: 10.989 ± 47.109 χ^2/NDF : 19.4/42

- sign -41.437 ± 63.860 χ^2/NDF : 10.3/21

asym_bcm_an_ds3_rms vs Slug



Right In: 194.704 $\pm$ 0.056 χ^2 /NDF: 1009606.0/16

Left Out: 232.545 $\pm$ 0.102 χ^2 /NDF:14752.5/3

Right Out: 172.953 $\pm$ 0.050 χ^2 /NDF: 1562179.1/18

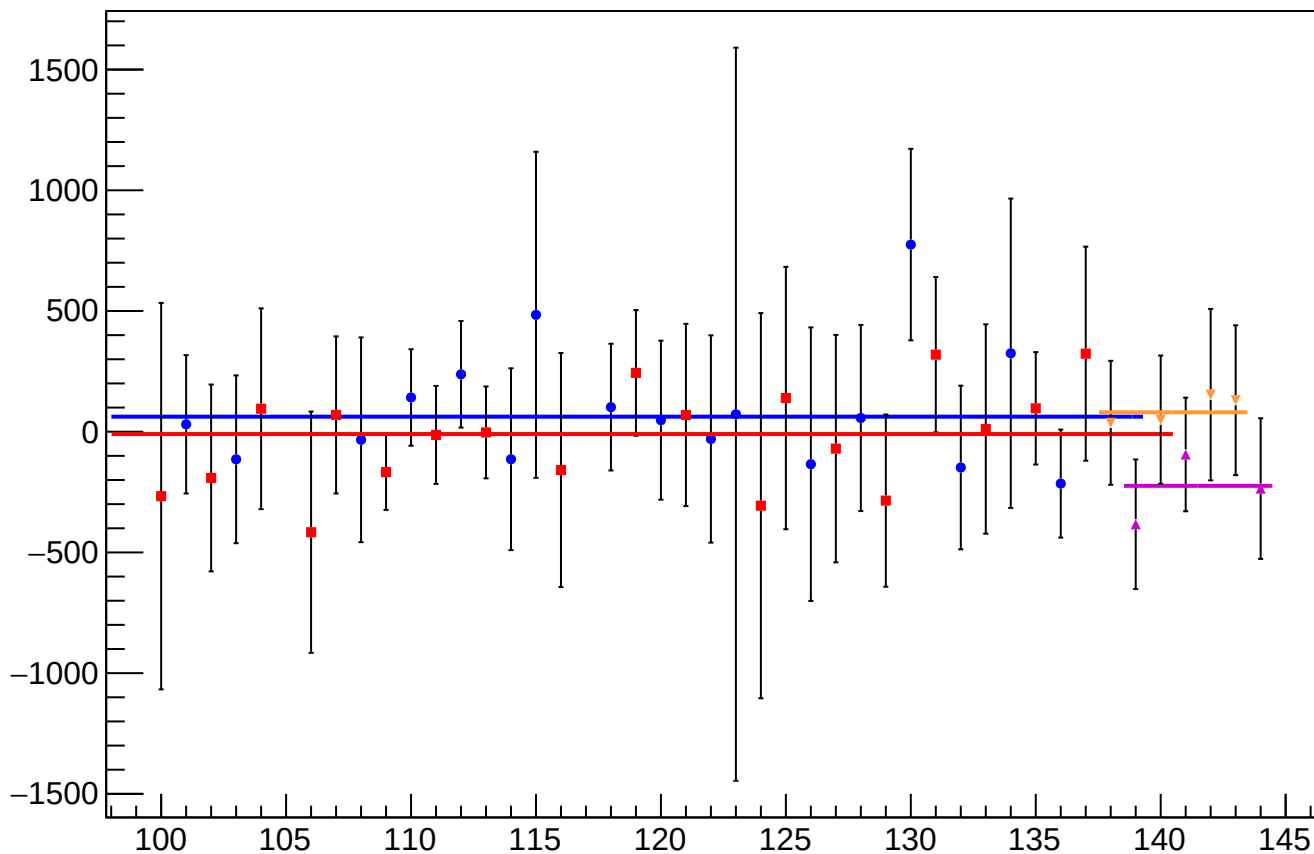
Left In: 230.728 $\pm$ 0.107 χ^2 /NDF:46192.4/2

+ sign 203.483 $\pm$ 0.049 χ^2 /NDF: 1129159.8/20

All: 192.476 $\pm$ 0.033 χ^2 /NDF: 3068849.8/42

- sign 183.256 $\pm$ 0.045 χ^2 /NDF: 1848234.1/21

asym_bcm_an_us_mean vs Slug



Right In: 62.284 $\pm$ 79.616 χ^2/NDF : 7.2/16

Left Out: 80.518 $\pm$ 144.846 χ^2/NDF : 0.1/3

Right Out: -9.662 $\pm$ 70.372 χ^2/NDF : 5.9/18

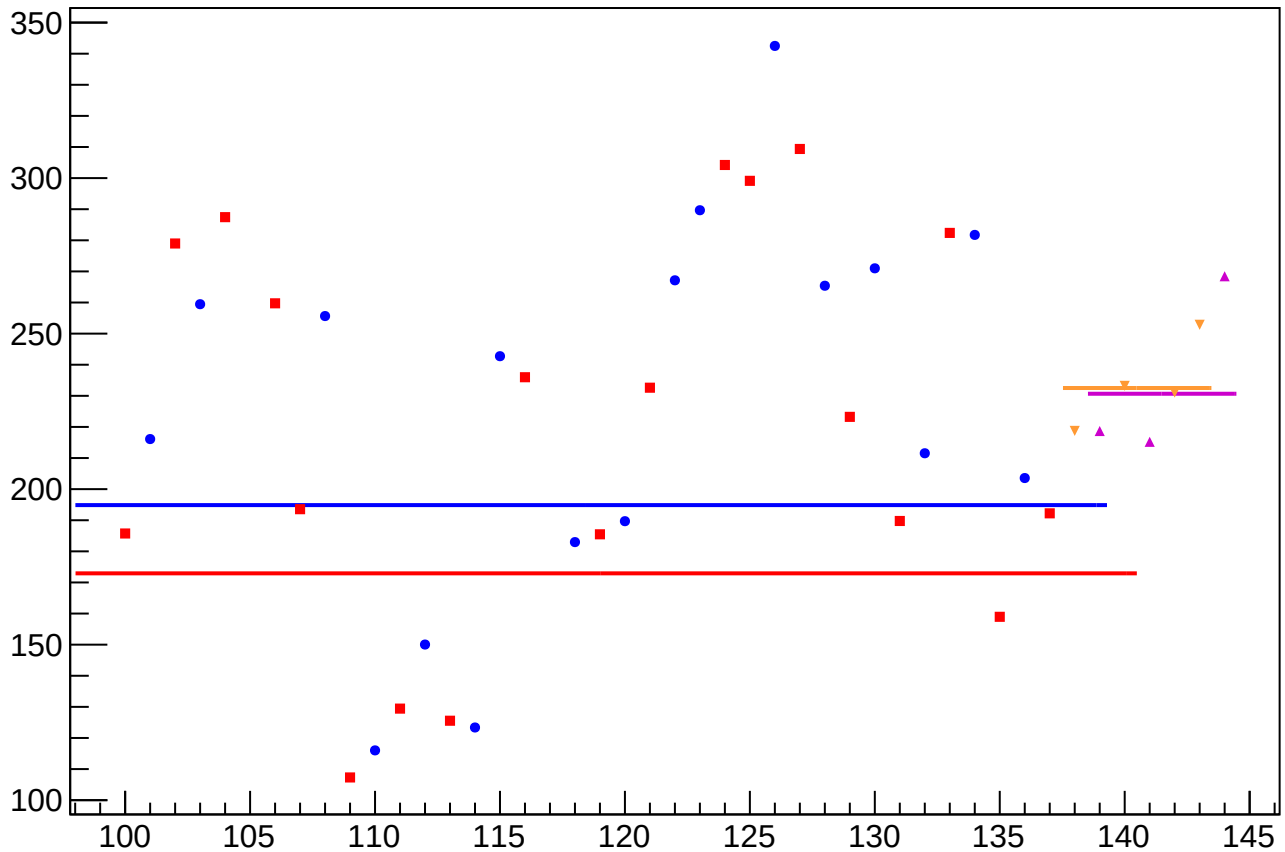
Left In: -224.117 $\pm$ 151.184 χ^2/NDF : 0.7/2

+ sign 66.515 $\pm$ 69.771 χ^2/NDF : 7.4/20

All: 4.228 $\pm$ 47.083 χ^2/NDF : 17.0/42

- sign -47.852 $\pm$ 63.799 χ^2/NDF : 8.2/21

asym_bcm_an_us_rms vs Slug



Right In: 194.868+/-0.056 χ^2/NDF : 987545.2/16

Left Out: 232.514+/-0.102 χ^2/NDF : 14406.4/3

Right Out: 172.928+/-0.050 χ^2/NDF : 1539123.2/18

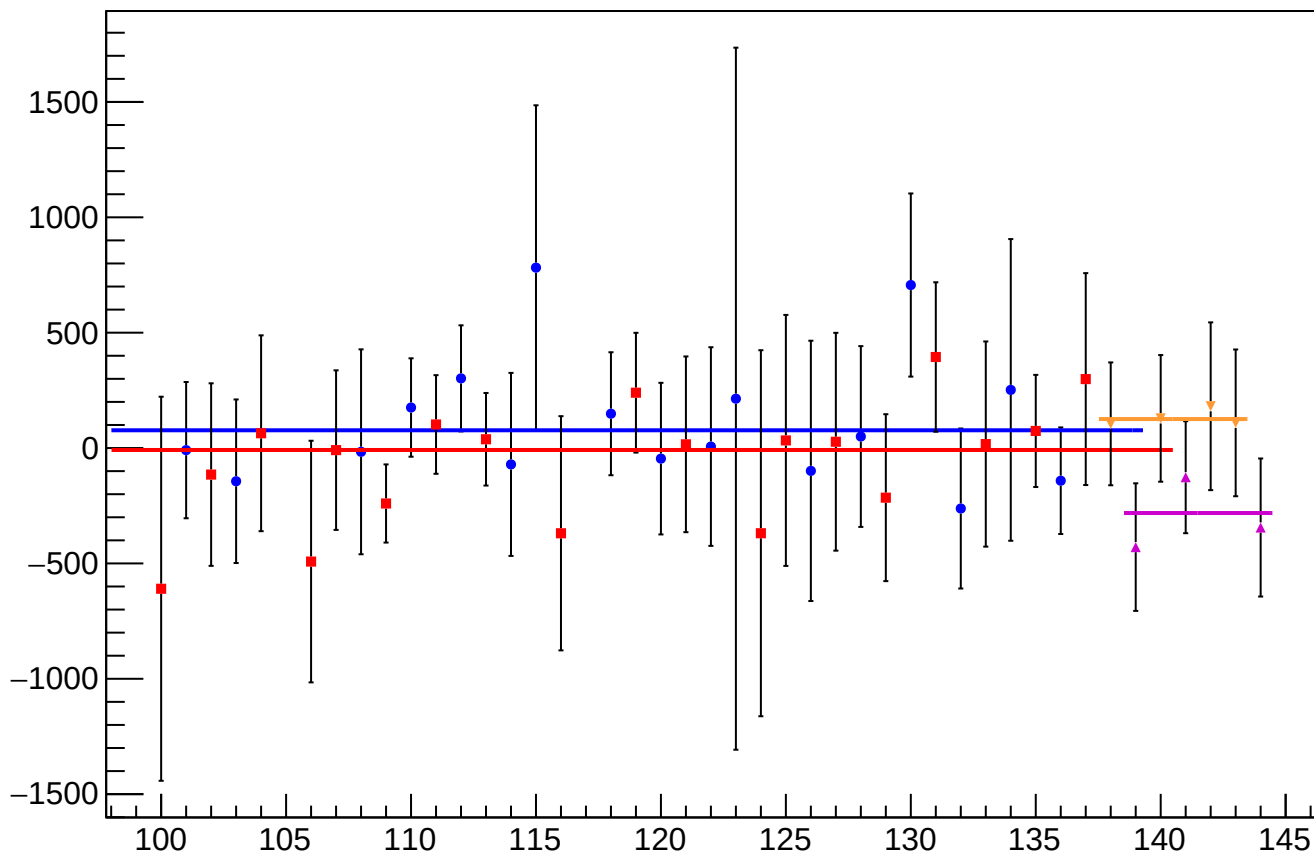
Left In: 230.668+/-0.107 χ^2/NDF : 46267.1/2

+ sign 203.603+/-0.049 χ^2/NDF : 1105704.7/20

All: 192.497+/-0.033 χ^2/NDF : 3023930.4/42

- sign 183.210+/-0.045 χ^2/NDF : 1825170.0/21

asym_bcm_dg_us_mean vs Slug



Right In: 77.030 $\pm$ 82.098 χ^2 /NDF: 7.6/16

Left Out: 125.731 $\pm$ 149.330 χ^2 /NDF: 0.0/3

Right Out: -8.365 $\pm$ 73.326 χ^2 /NDF: 7.8/18

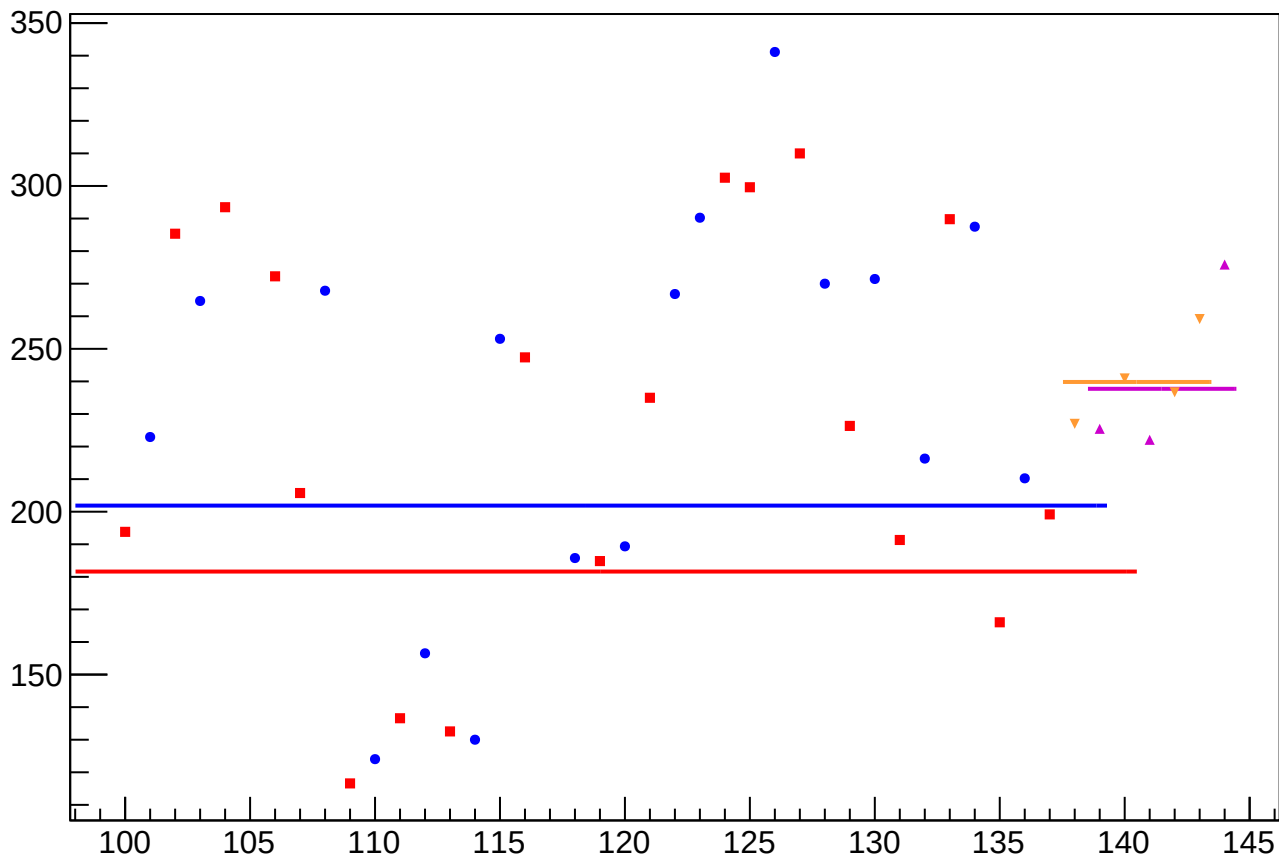
Left In: -281.575 $\pm$ 155.737 χ^2 /NDF: 0.7/2

+ sign 88.333 $\pm$ 71.942 χ^2 /NDF: 7.7/20

All: 9.281 $\pm$ 48.770 χ^2 /NDF: 21.0/42

- sign -57.940 $\pm$ 66.340 χ^2 /NDF: 11.0/21

asym_bcm_dg_us_rms vs Slug



Right In: 201.873 $\pm$ 0.058 χ^2 /NDF: 884412.3/16

Left Out: 239.829 $\pm$ 0.106 χ^2 /NDF:12220.7/3

Right Out: 181.626 $\pm$ 0.052 χ^2 /NDF: 1373392.9/18

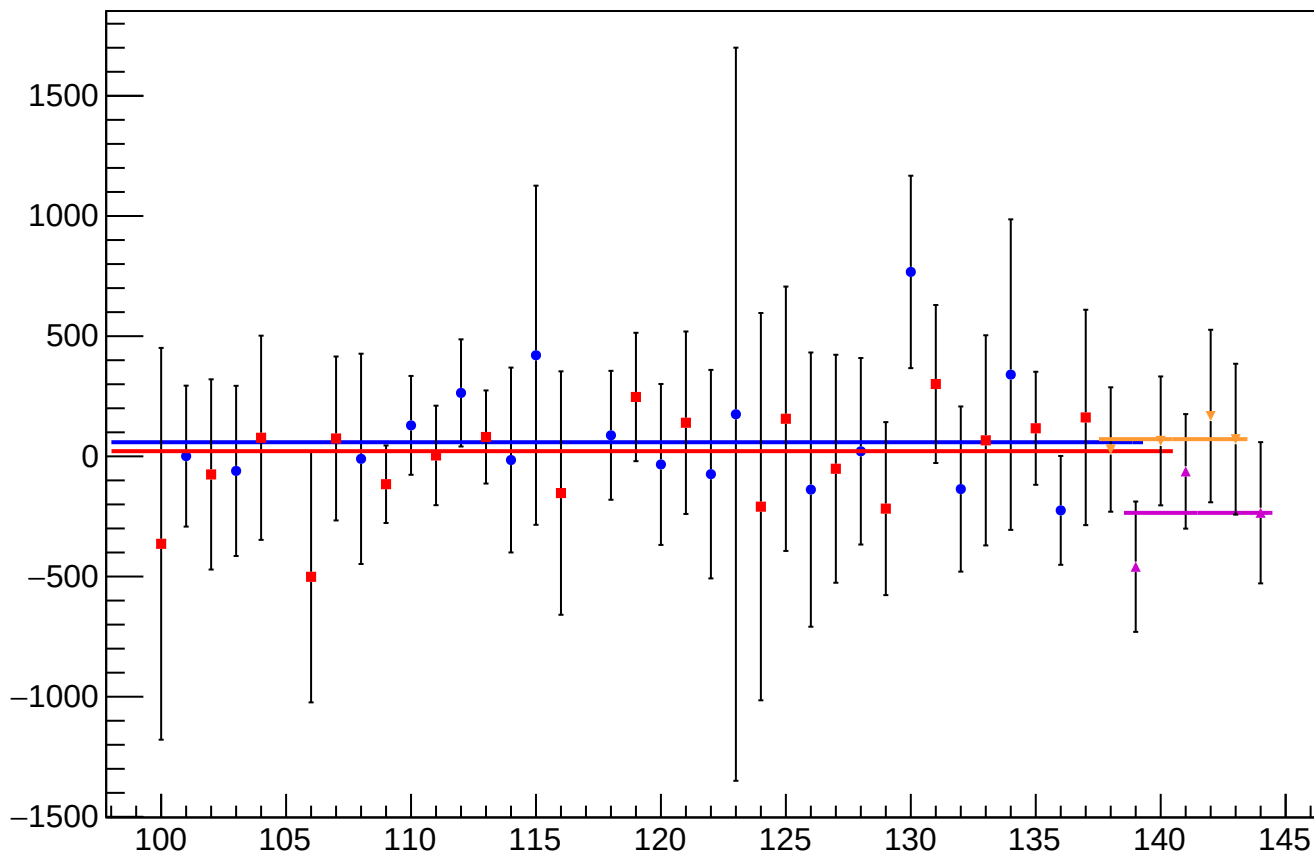
Left In: 237.728 $\pm$ 0.110 χ^2 /NDF:44784.1/2

+ sign 210.683 $\pm$ 0.051 χ^2 /NDF: 995854.9/20

All: 200.481 $\pm$ 0.034 χ^2 /NDF: 2700889.9/42

- sign 191.806 $\pm$ 0.047 χ^2 /NDF: 1630620.0/21

asym_bcm_dg_ds_mean vs Slug



Right In: 58.835 $\pm$ 81.036 χ^2 /NDF: 7.0/16

Left Out: 71.620 $\pm$ 146.241 χ^2 /NDF:0.1/3

Right Out: 21.559 $\pm$ 71.880 χ^2 /NDF: 4.7/18

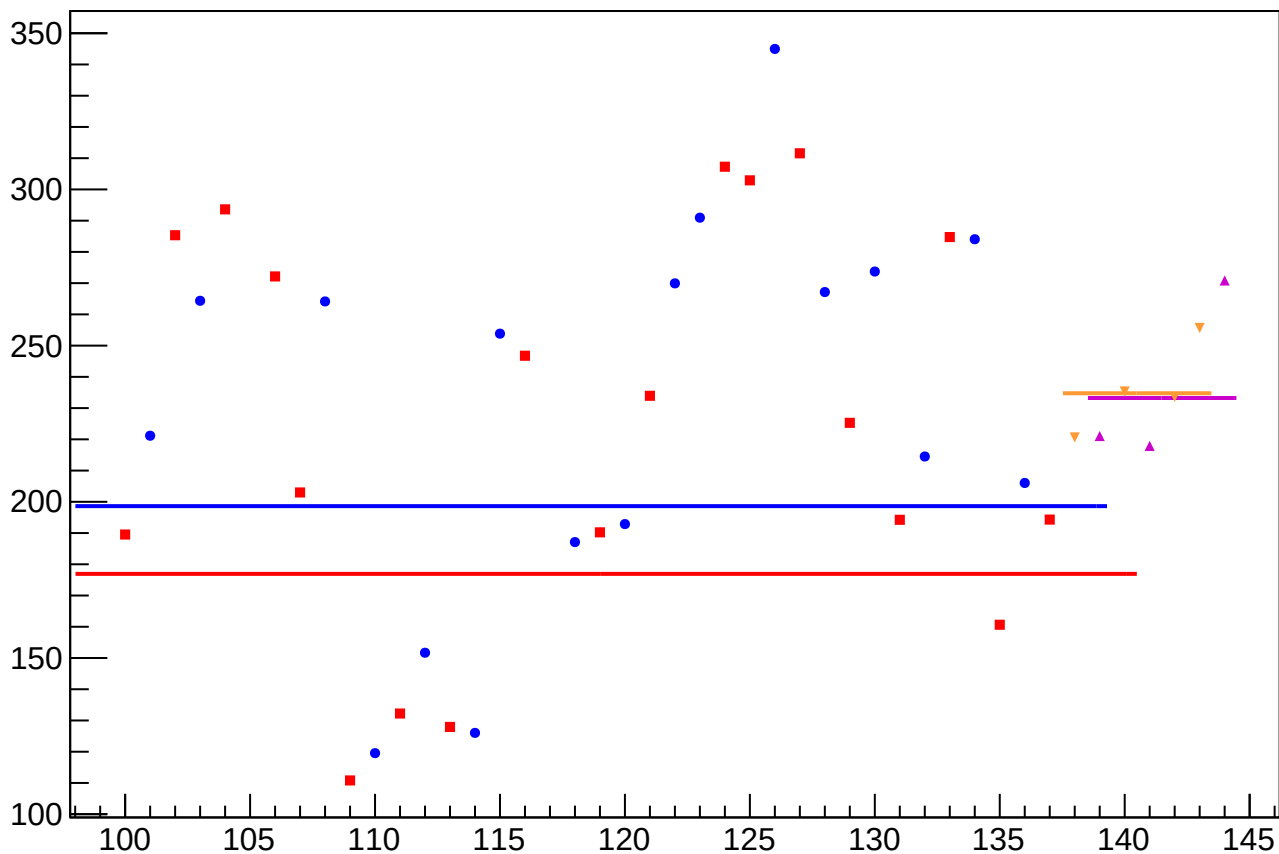
Left In: -235.056 $\pm$ 152.831 χ^2 /NDF:1.2/2

+ sign 61.838 $\pm$ 70.881 χ^2 /NDF: 7.1/20

All: 14.739 $\pm$ 47.924 χ^2 /NDF: 16.1/42

- sign -24.923 $\pm$ 65.045 χ^2 /NDF: 8.2/21

asym_bcm_dg_ds_rms vs Slug



Right In: 198.615 $\pm$ 0.057 χ^2 /NDF: 965079.3/16

Left Out: 234.750 $\pm$ 0.103 χ^2 /NDF:14880.1/3

Right Out: 176.933 $\pm$ 0.051 χ^2 /NDF: 1519414.5/18

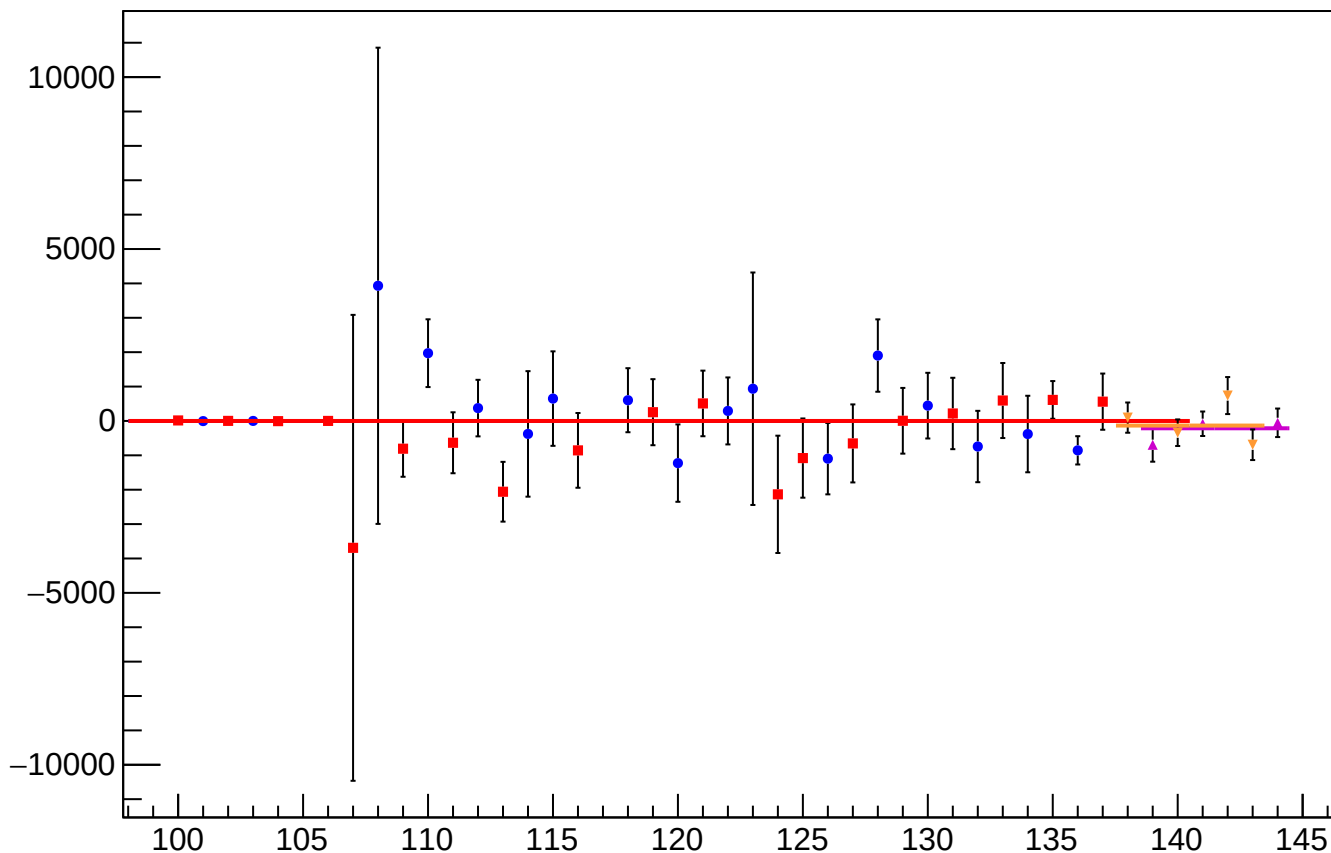
Left In: 233.234 $\pm$ 0.108 χ^2 /NDF:45114.4/2

+ sign 207.104 $\pm$ 0.050 χ^2 /NDF: 1073383.8/20

All: 196.261 $\pm$ 0.034 χ^2 /NDF: 2946372.8/42

- sign 187.131 $\pm$ 0.046 χ^2 /NDF: 1786781.3/21

asym_cav4bQ_mean vs Slug



Right In: -1.530 ± 2.251 χ^2/NDF : 17.4/16

Left Out: -134.255 ± 221.650 χ^2/NDF : 4.8/3

Right Out: -0.726 ± 2.111 χ^2/NDF : 19.1/18

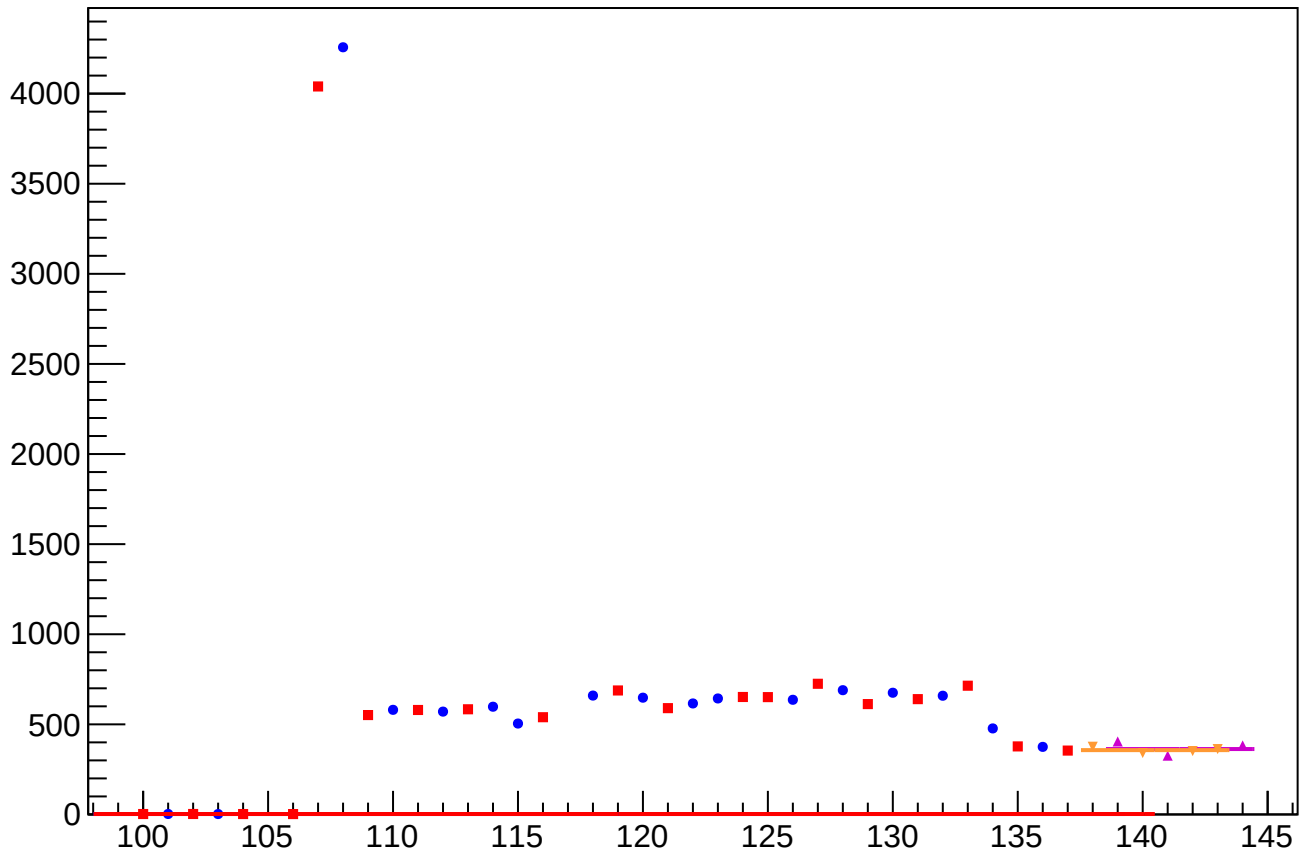
Left In: -213.576 ± 236.978 χ^2/NDF : 1.2/2

+ sign -1.543 ± 2.251 χ^2/NDF : 22.5/20

All: -1.117 ± 1.540 χ^2/NDF : 43.8/42

- sign -0.743 ± 2.111 χ^2/NDF : 21.2/21

asym_cav4bQ_rms vs Slug



Right In: 2.456+/-0.002 χ^2/NDF : 10808630.7/16

Left Out: 356.975+/-0.157 χ^2/NDF : 7617.8/3

Right Out: 2.437+/-0.001 χ^2/NDF : 11101281.1/18

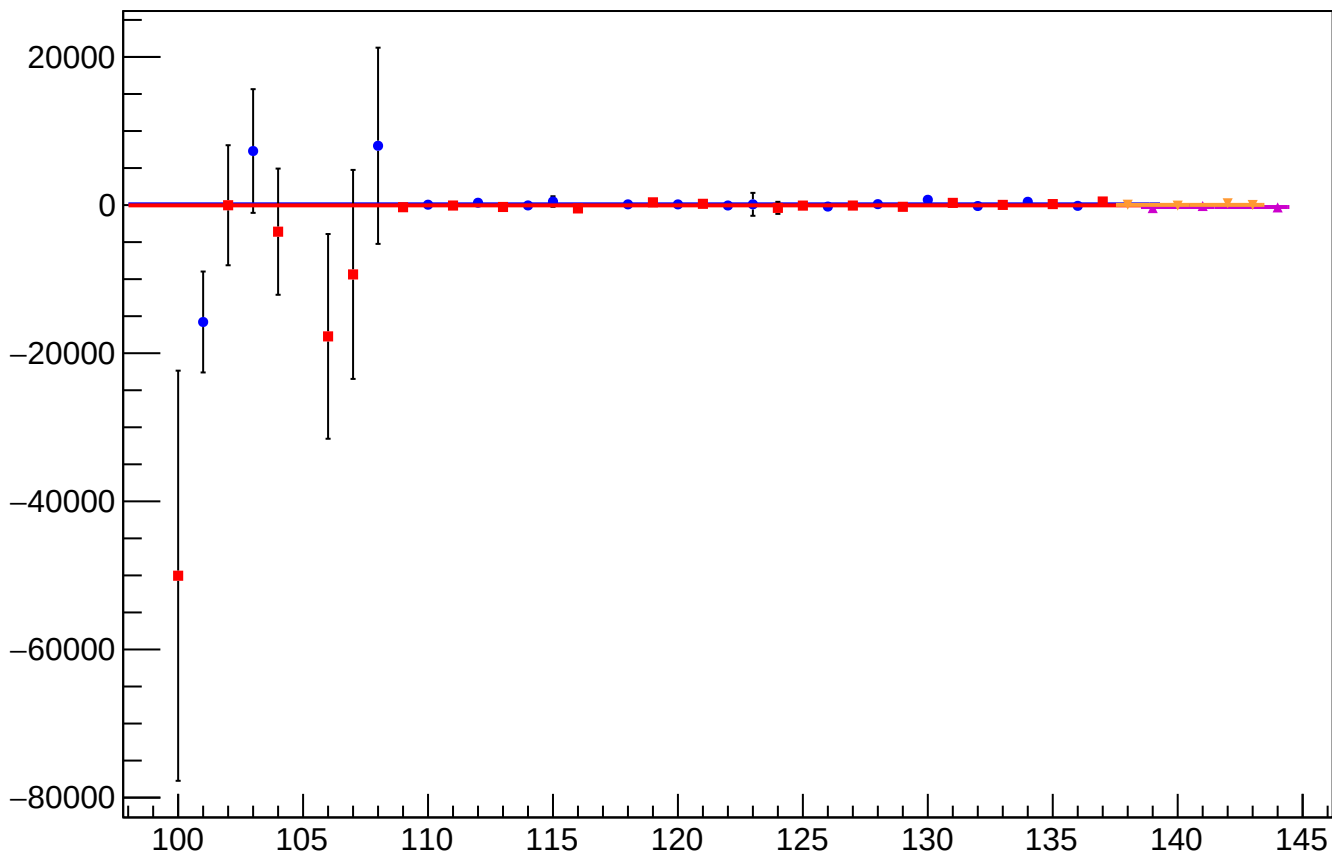
Left In: 363.005+/-0.168 χ^2/NDF : 40448.4/2

+ sign 2.493+/-0.002 χ^2/NDF : 15932211.0/20

All: 2.478+/-0.001 χ^2/NDF : 31703847.5/42

- sign 2.465+/-0.001 χ^2/NDF : 15771474.1/21

asym_cav4cQ_mean vs Slug



Right In: 100.742 $\pm$ 91.159 χ^2 /NDF: 12.0/16

Left Out: 28.319 $\pm$ 151.206 χ^2 /NDF: 0.4/3

Right Out: -37.835 $\pm$ 84.525 χ^2 /NDF: 14.0/18

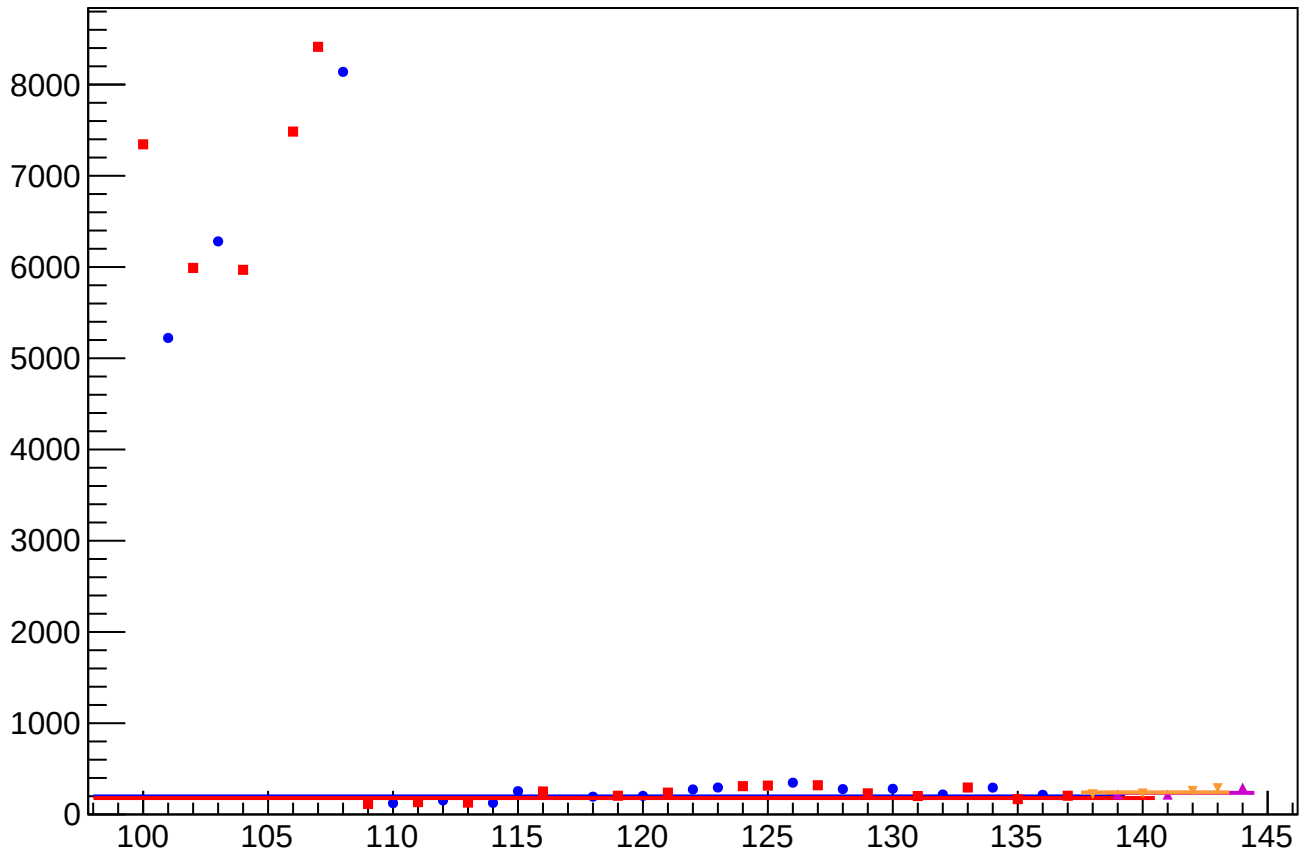
Left In: -261.303 $\pm$ 155.888 χ^2 /NDF: 0.6/2

+ sign 81.436 $\pm$ 78.069 χ^2 /NDF: 12.6/20

All: -7.783 $\pm$ 53.823 χ^2 /NDF: 31.4/42

- sign -88.607 $\pm$ 74.305 χ^2 /NDF: 16.3/21

asym_cav4cQ_rms vs Slug



Right In: 197.308+/-0.064 χ^2/NDF : 3696256.2/16

Left Out: 241.486+/-0.107 χ^2/NDF : 53671.5/3

Right Out: 179.749+/-0.060 χ^2/NDF : 4315581.1/18

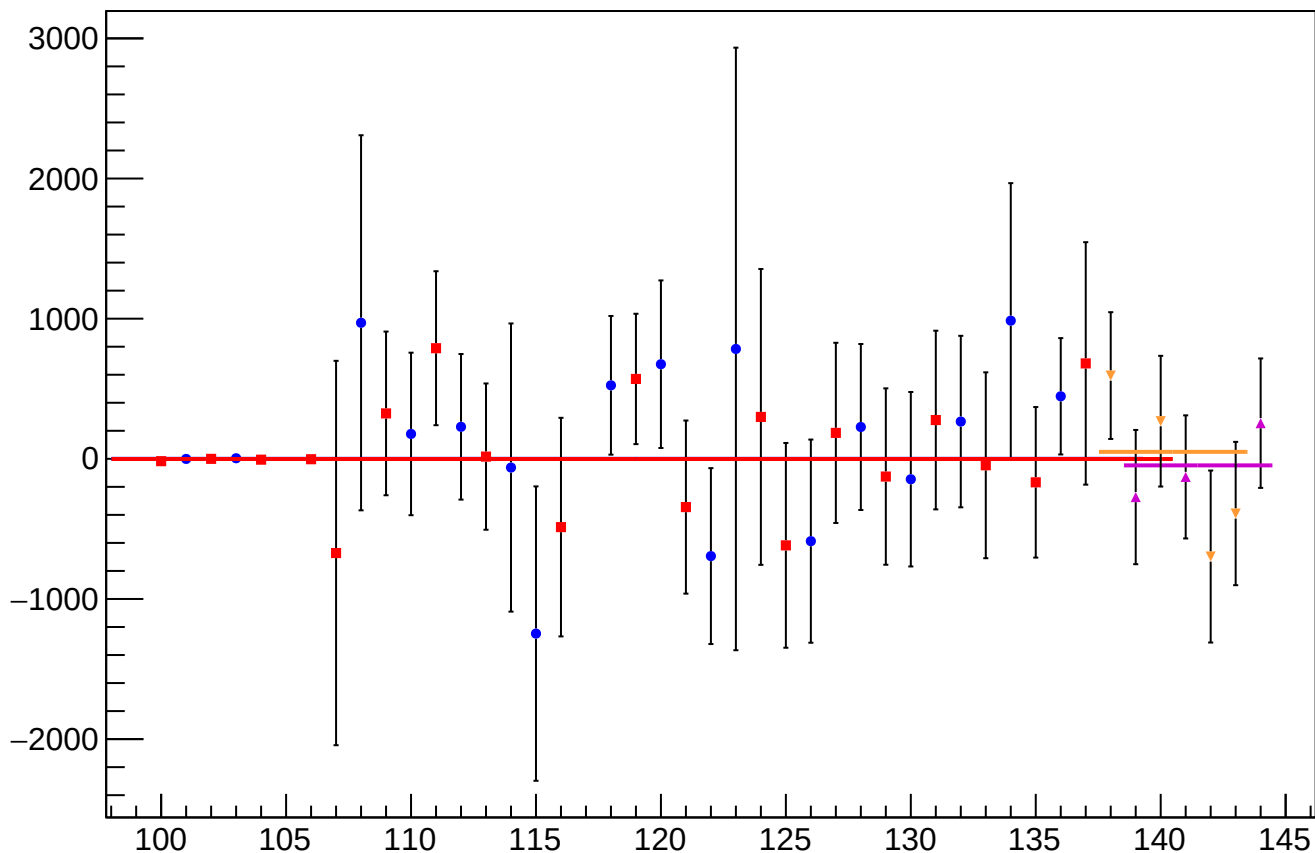
Left In: 236.453+/-0.110 χ^2/NDF : 89265.9/2

+ sign 209.084+/-0.055 χ^2/NDF : 3875148.9/20

All: 200.452+/-0.038 χ^2/NDF : 8531106.0/42

- sign 192.632+/-0.053 χ^2/NDF : 4609351.6/21

asym_cav4dQ_mean vs Slug



Right In: -0.140 ± 1.737 χ^2/NDF : 10.0/16

Left Out: 49.717 ± 250.254 χ^2/NDF : 3.9/3

Right Out: -1.323 ± 1.623 χ^2/NDF : 9.4/18

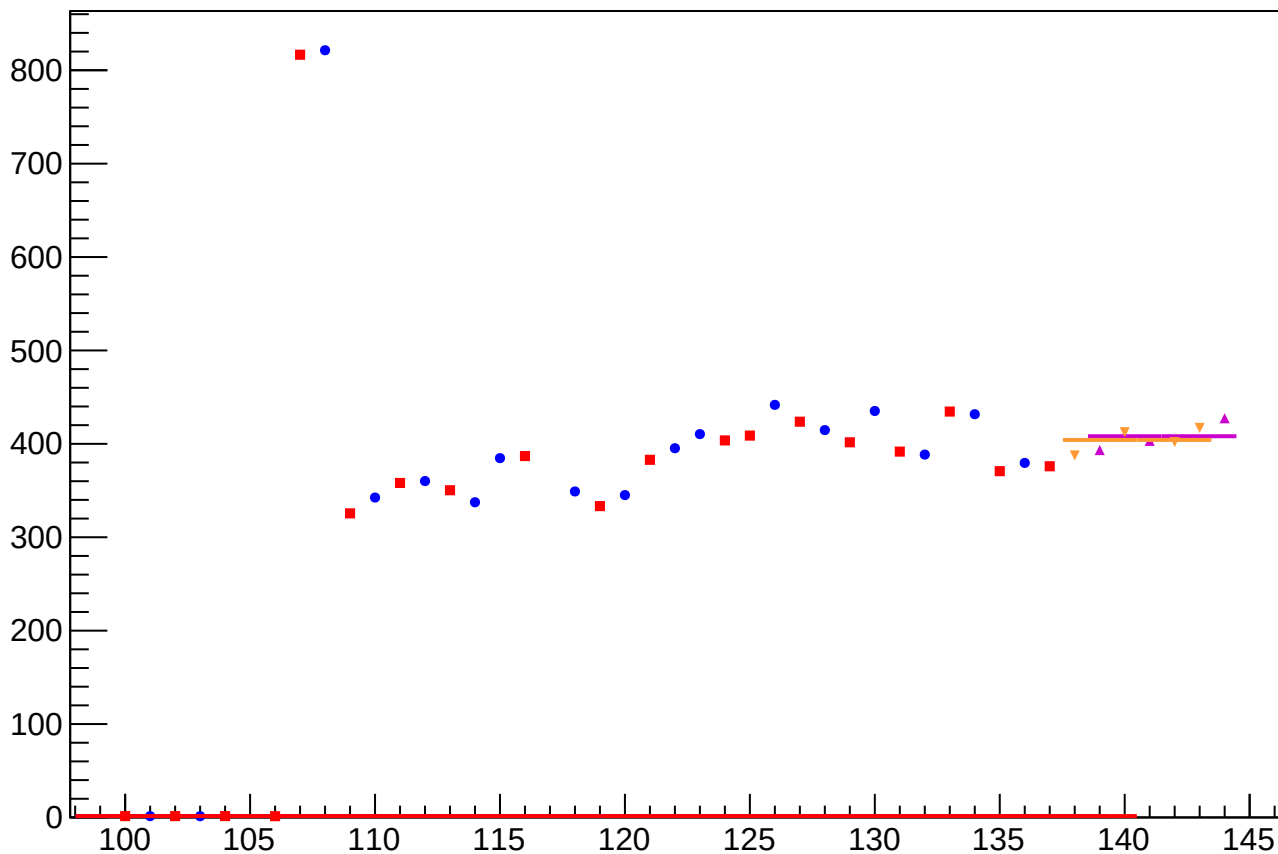
Left In: -46.756 ± 265.086 χ^2/NDF : 0.7/2

+ sign -0.137 ± 1.737 χ^2/NDF : 14.0/20

All: -0.771 ± 1.186 χ^2/NDF : 24.3/42

- sign -1.324 ± 1.623 χ^2/NDF : 10.1/21

asym_cav4dQ_rms vs Slug



Right In: 1.453+/-0.001 χ^2/NDF : 10914608.7/16

Left Out: 404.195+/-0.177 χ^2/NDF :4613.3/3

Right Out: 1.451 ± 0.001 χ^2/NDF : 10838834.3/18

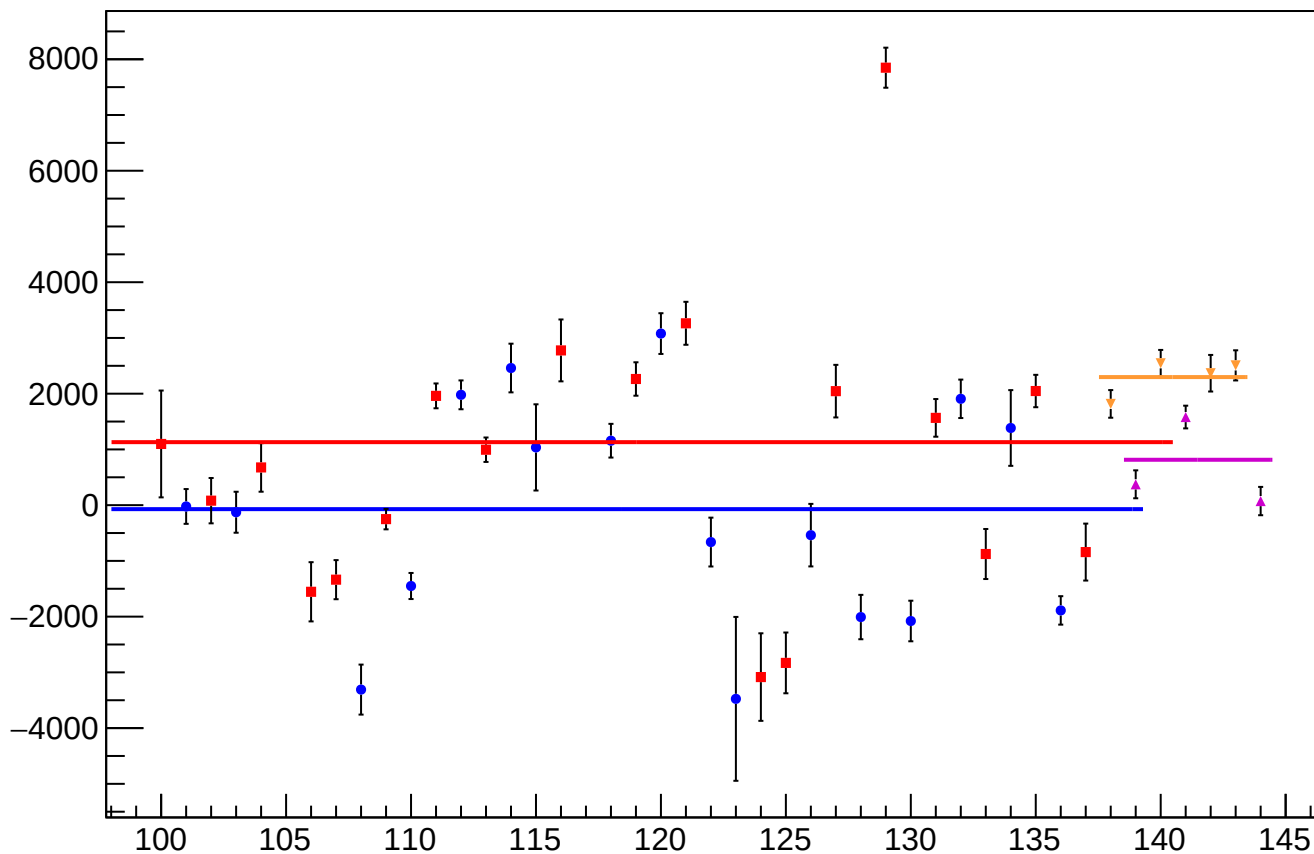
Left In: 408.155+/-0.187 χ^2/NDF :5649.4/2

+ sign 1.472+/-0.001 χ^2/NDF : 16098860.8/20

All: 1.469+/-0.001 χ^2/NDF : 31650925.4/42

- sign 1.466+/-0.001 χ^2/NDF : 15552052.5/21

asym_bcm0l02_mean vs Slug



Right In: -71.539 ± 87.764 χ^2/NDF : 426.3/16

Left Out: 2297.859 ± 132.902 χ^2/NDF : 5.5/3

Right Out: 1130.395 ± 78.436 χ^2/NDF : 688.9/18

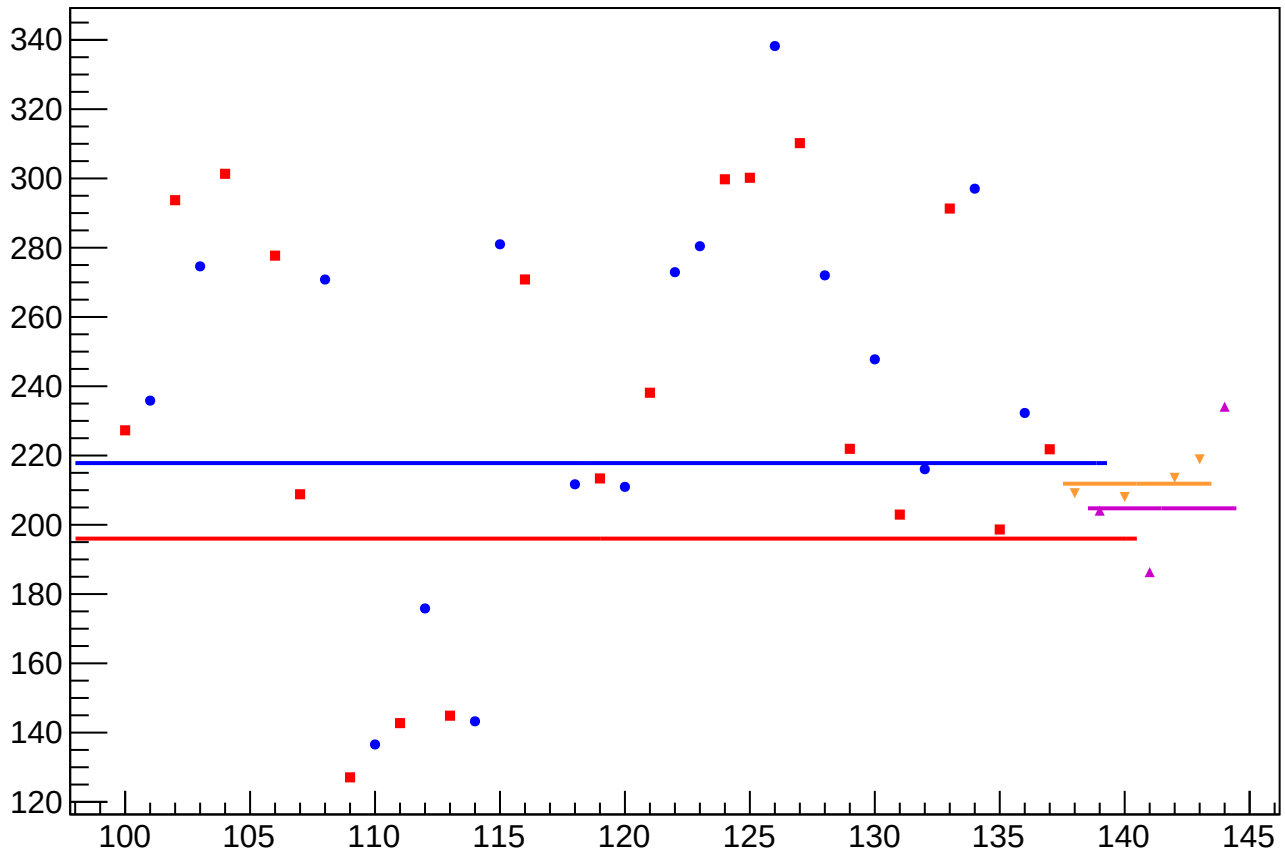
Left In: 814.305 ± 134.212 χ^2/NDF : 25.8/2

+ sign 647.959 ± 73.236 χ^2/NDF : 653.1/20

All: 864.648 ± 49.721 χ^2/NDF : 1388.1/42

- sign 1049.921 ± 67.720 χ^2/NDF : 718.8/21

asym_bcm0l02_rms vs Slug



Right In: 217.814 $\pm$ 0.062 χ^2 /NDF: 661049.8/16

Left Out: 211.862 $\pm$ 0.094 χ^2 /NDF:2168.5/3

+ sign 216.006 $\pm$ 0.052 χ^2 /NDF: 666011.9/20

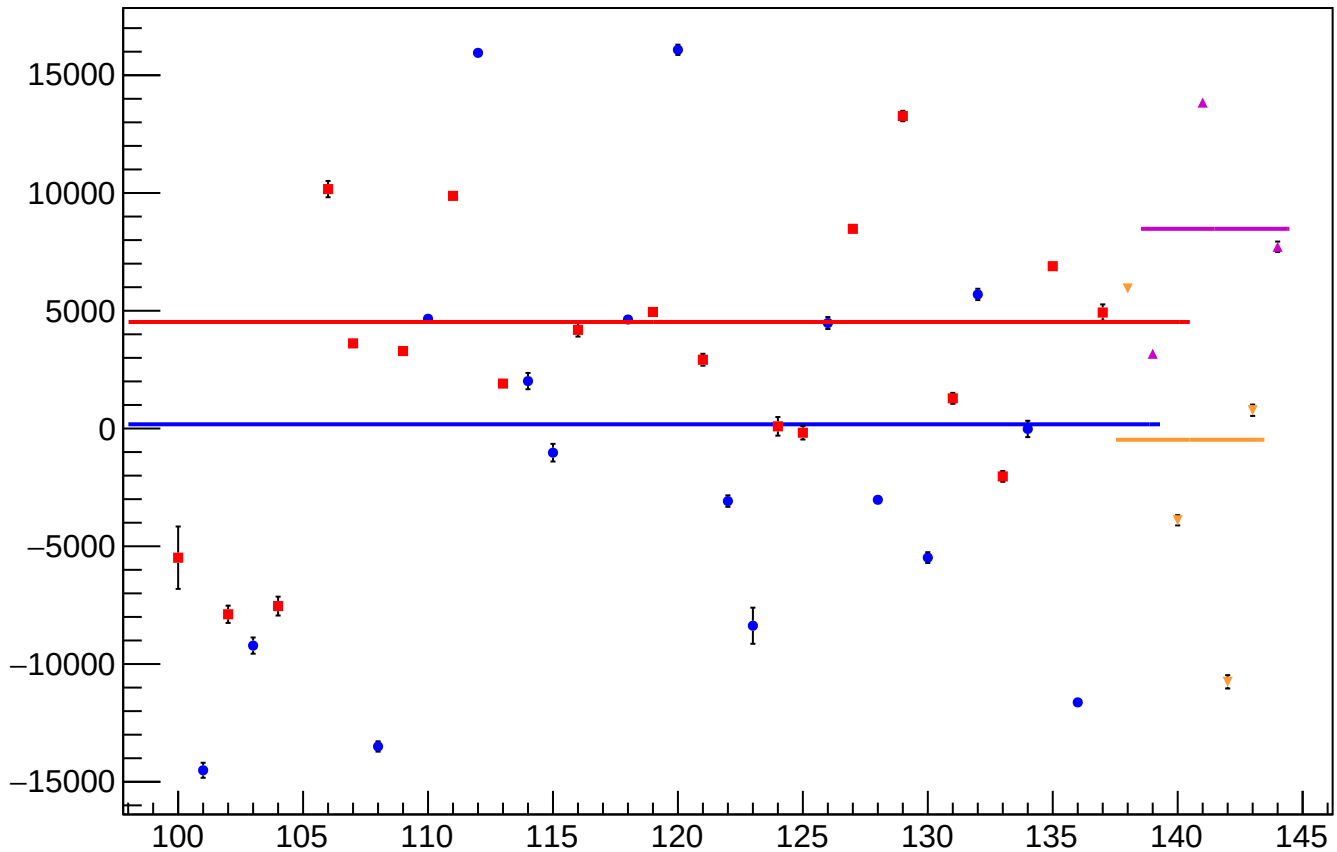
Right Out: 196.014 $\pm$ 0.055 χ^2 /NDF: 1189121.8/18

All: 206.428 $\pm$ 0.035 χ^2 /NDF: 1967970.3/42

- sign 198.239 $\pm$ 0.048 χ^2 /NDF: 1238502.7/21

Left In: 204.756 $\pm$ 0.095 χ^2 /NDF:43055.7/2

asym_bpm0i02WS_mean vs Slug



Right In: 178.788+/-54.896 χ^2/NDF : 30662.2/16

Left Out: -476.656+/-112.710 χ^2/NDF : 2737.4/3

Right Out: 4523.222+/-52.440 χ^2/NDF : 7474.2/18

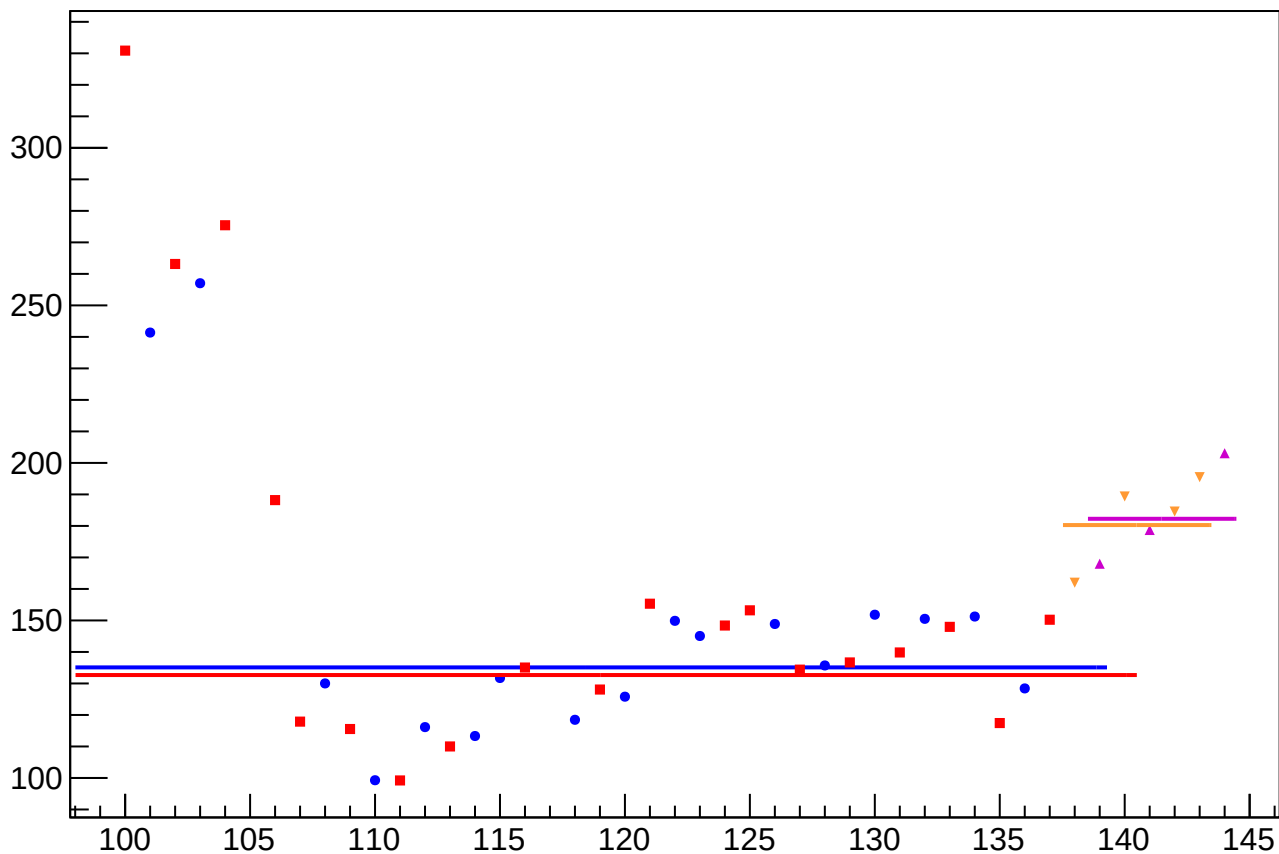
Left In: 8479.074+/-119.328 χ^2/NDF : 1425.3/2

+ sign 53.113+/-49.354 χ^2/NDF : 33426.9/20

All: 2678.918+/-34.413 χ^2/NDF : 48756.6/42

- sign 5163.535+/-48.008 χ^2/NDF : 9820.6/21

asym_bpm0i02WS_rms vs Slug



Right In: 135.099+/-0.039 χ^2/NDF : 657657.4/16

Left Out: 180.274+/-0.080 χ^2/NDF :30556.1/3

Right Out: 132.672+/-0.037 χ^2/NDF : 828363.1/18

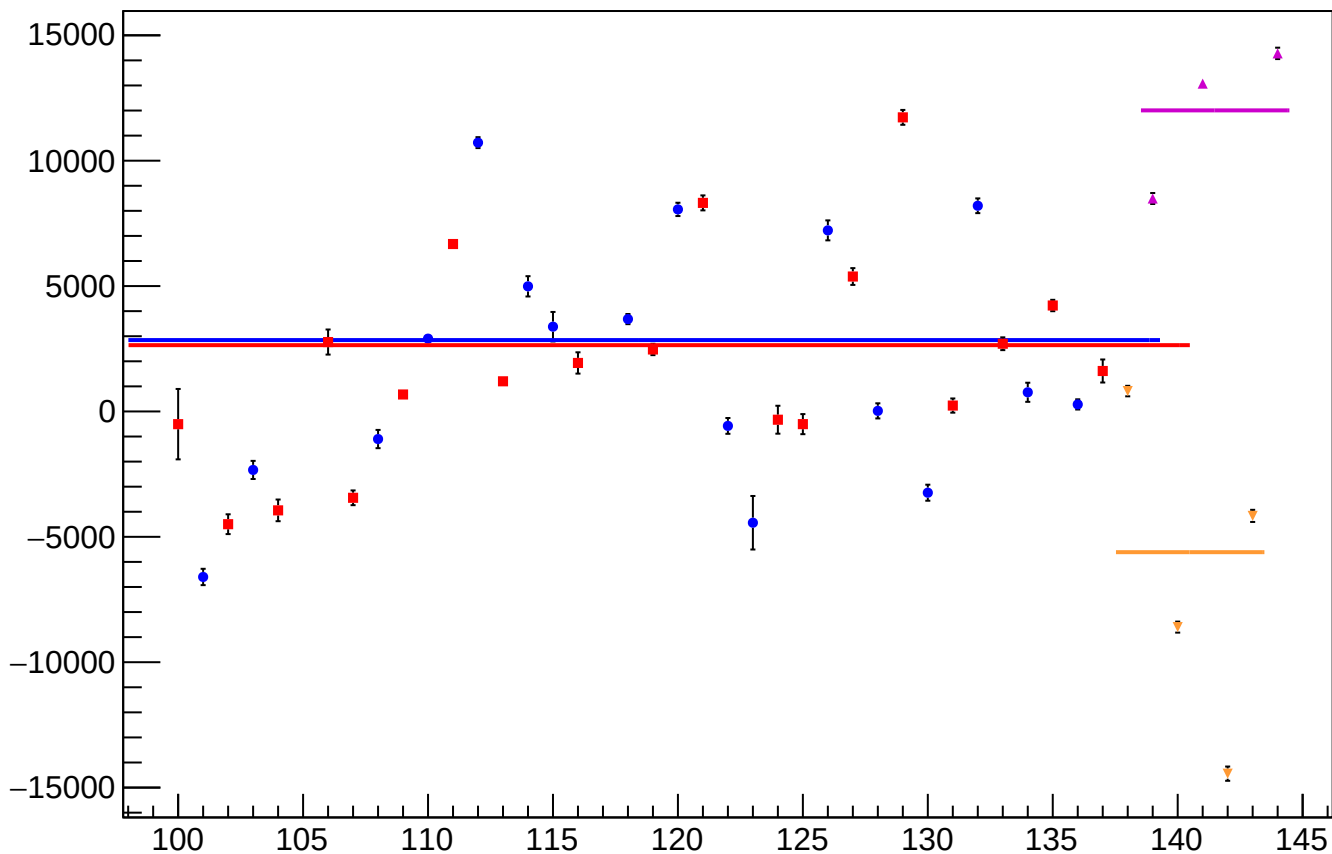
Left In: 182.265+/-0.084 χ^2/NDF :28018.7/2

+ sign 143.761+/-0.035 χ^2/NDF : 947911.3/20

All: 142.188+/-0.024 χ^2/NDF : 2097782.9/42

- sign 140.699+/-0.034 χ^2/NDF : 1145918.2/21

asym_bpm0i02aWS_mean vs Slug



Right In: 2846.117 $\pm$ 70.894 χ^2 /NDF: 4160.1/16

Left Out: -5611.836 $\pm$ 117.115 χ^2 /NDF:2125.5/3

Right Out: 2643.505 $\pm$ 65.711 χ^2 /NDF: 3177.7/18

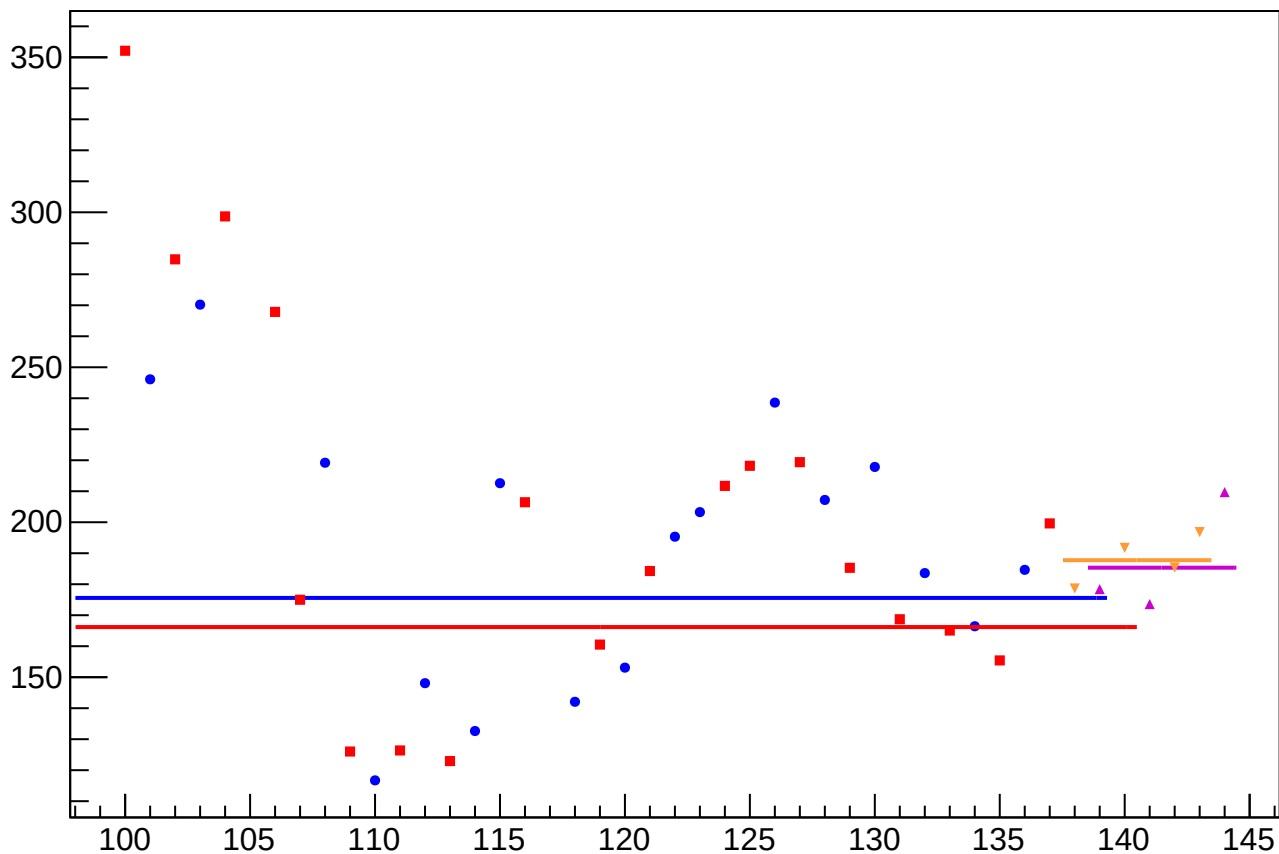
Left In: 12006.300 $\pm$ 121.239 χ^2 /NDF:390.0/2

+ sign 577.963 $\pm$ 60.648 χ^2 /NDF: 10102.5/20

All: 2775.442 $\pm$ 41.830 χ^2 /NDF: 20784.0/42

- sign 4769.400 $\pm$ 57.771 χ^2 /NDF: 8177.3/21

asym_bpm0i02aWS_rms vs Slug



Right In: 175.582+/-0.050 χ^2/NDF : 687852.4/16

Left Out: 187.753+/-0.083 χ^2/NDF : 7392.3/3

Right Out: 166.180+/-0.046 χ^2/NDF : 925559.0/18

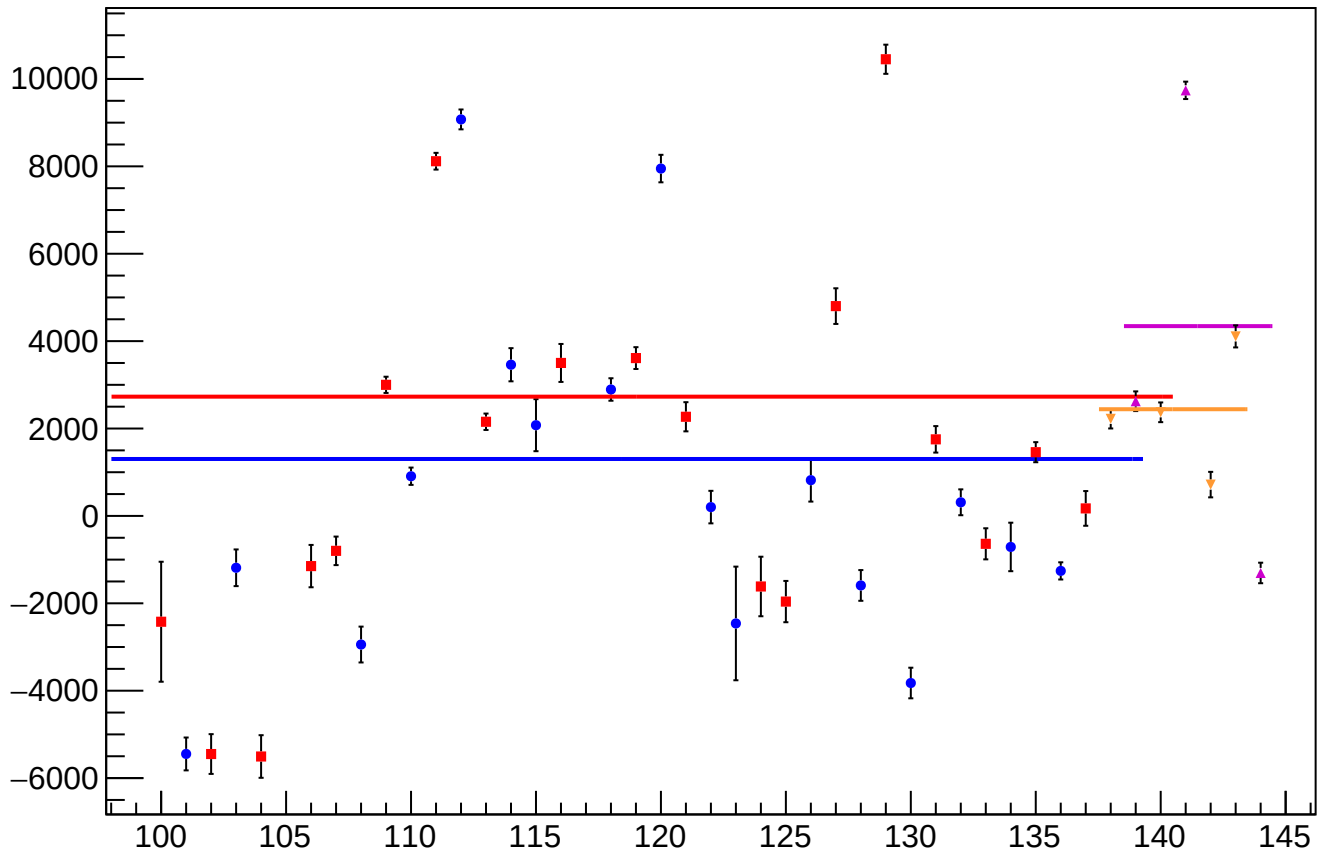
Left In: 185.335+/-0.086 χ^2/NDF : 32624.5/2

+ sign 178.846+/-0.043 χ^2/NDF : 711052.9/20

All: 174.486+/-0.030 χ^2/NDF : 1727540.0/42

- sign 170.529+/-0.041 χ^2/NDF : 996770.1/21

asym_bpm0i05WS_mean vs Slug



Right In: 1302.950+/-77.323 χ^2/NDF : 2649.9/16

Left Out: 2441.628+/-121.521 χ^2/NDF : 79.7/3

Right Out: 2729.355+/-70.012 χ^2/NDF : 2497.2/18

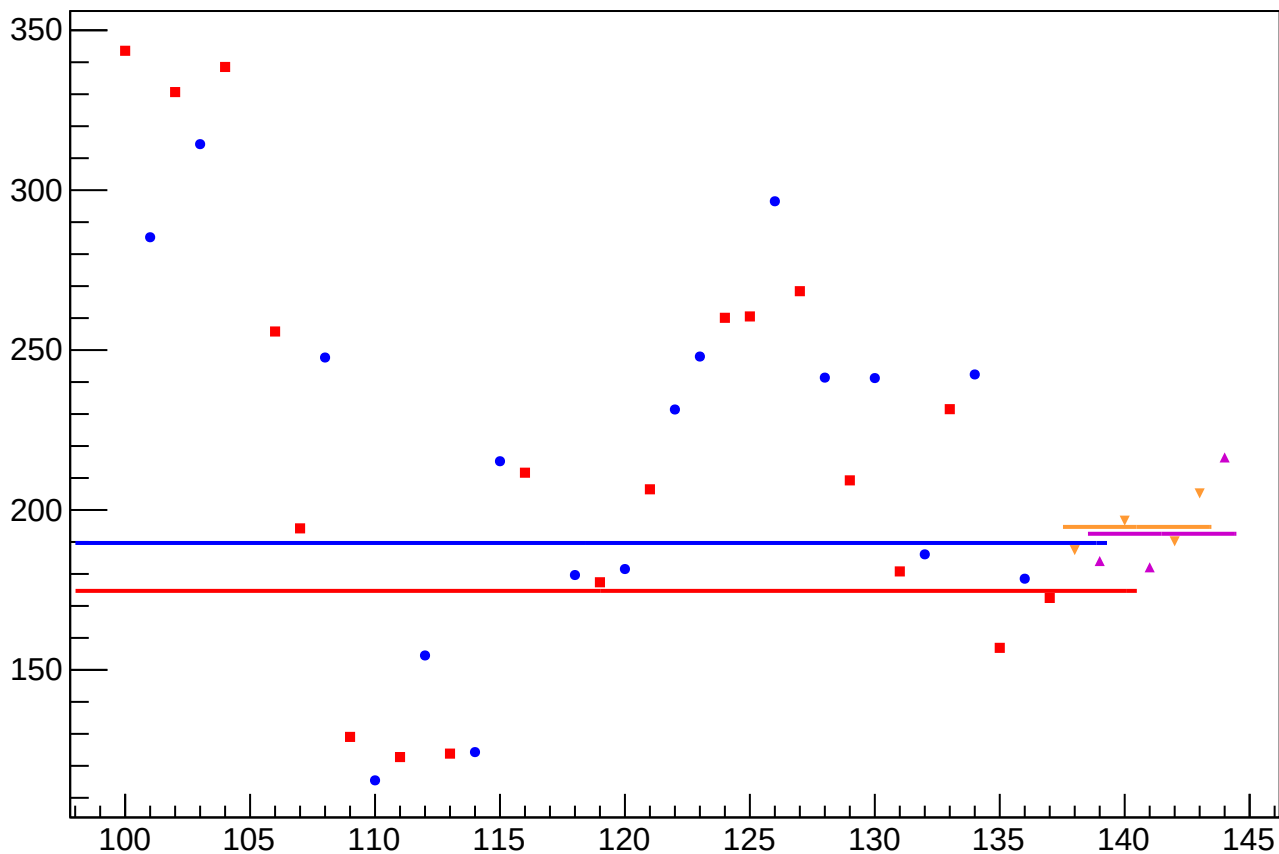
Left In: 4343.484+/-125.923 χ^2/NDF : 1371.6/2

+ sign 1631.105+/-65.237 χ^2/NDF : 2792.0/20

All: 2418.105+/-44.630 χ^2/NDF : 7059.9/42

- sign 3110.496+/-61.190 χ^2/NDF : 3994.3/21

asym_bpm0i05WS_rms vs Slug



Right In: 189.687 $\pm$ 0.055 χ^2/NDF : 977199.2/16

Left Out: 194.709 $\pm$ 0.086 χ^2/NDF : 6254.3/3

Right Out: 174.707 $\pm$ 0.050 χ^2/NDF : 1291115.5/18

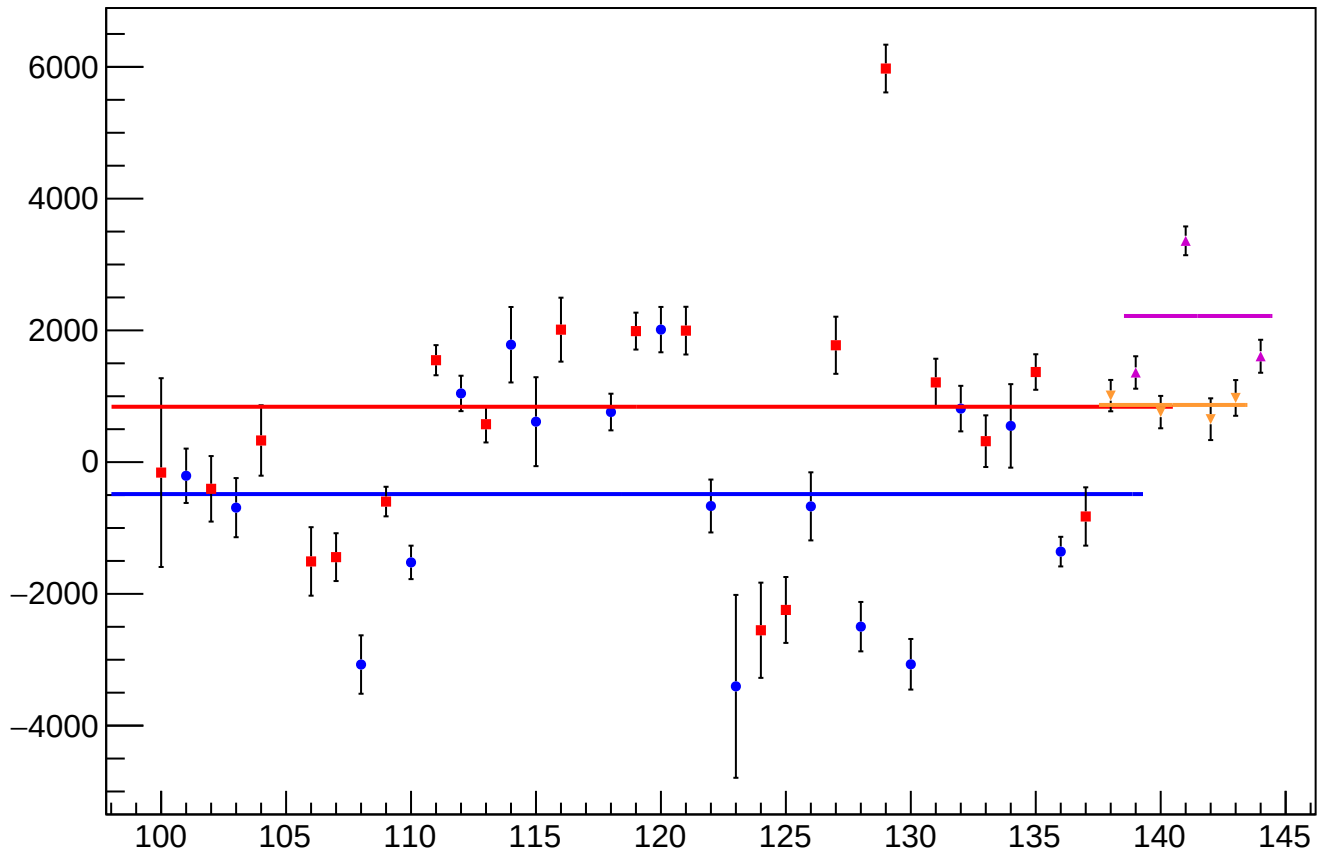
Left In: 192.562 $\pm$ 0.089 χ^2/NDF : 29059.4/2

+ sign 191.134 $\pm$ 0.046 χ^2/NDF : 985885.2/20

All: 184.638 $\pm$ 0.032 χ^2/NDF : 2374056.5/42

- sign 178.923 $\pm$ 0.043 χ^2/NDF : 1350891.9/21

asym_bpm0i07WS_mean vs Slug



Right In: -485.036 ± 88.788 χ^2/NDF : 285.3/16

Left Out: 868.015 ± 131.575 χ^2/NDF : 1.2/3

Right Out: 840.594 ± 82.233 χ^2/NDF : 438.2/18

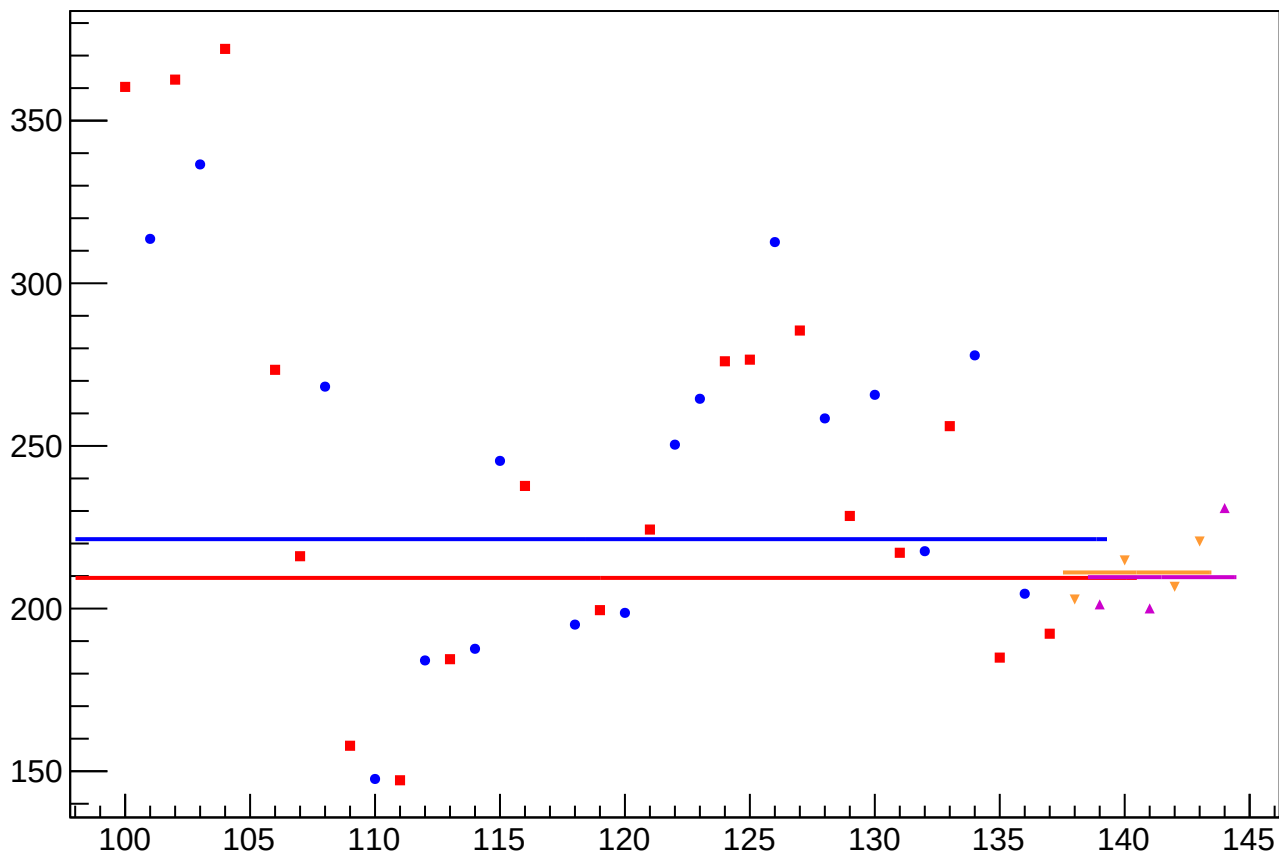
Left In: 2218.625 ± 136.845 χ^2/NDF : 45.4/2

+ sign -61.678 ± 73.599 χ^2/NDF : 359.1/20

All: 599.635 ± 50.906 χ^2/NDF : 1072.0/42

- sign 1206.185 ± 70.485 χ^2/NDF : 558.1/21

asym_bpm0i07WS_rms vs Slug



Right In: 221.339 $\pm$ 0.063 χ^2 /NDF: 645507.4/16

Left Out: 211.105 $\pm$ 0.093 χ^2 /NDF: 5745.0/3

Right Out: 209.428 $\pm$ 0.058 χ^2 /NDF: 879292.0/18

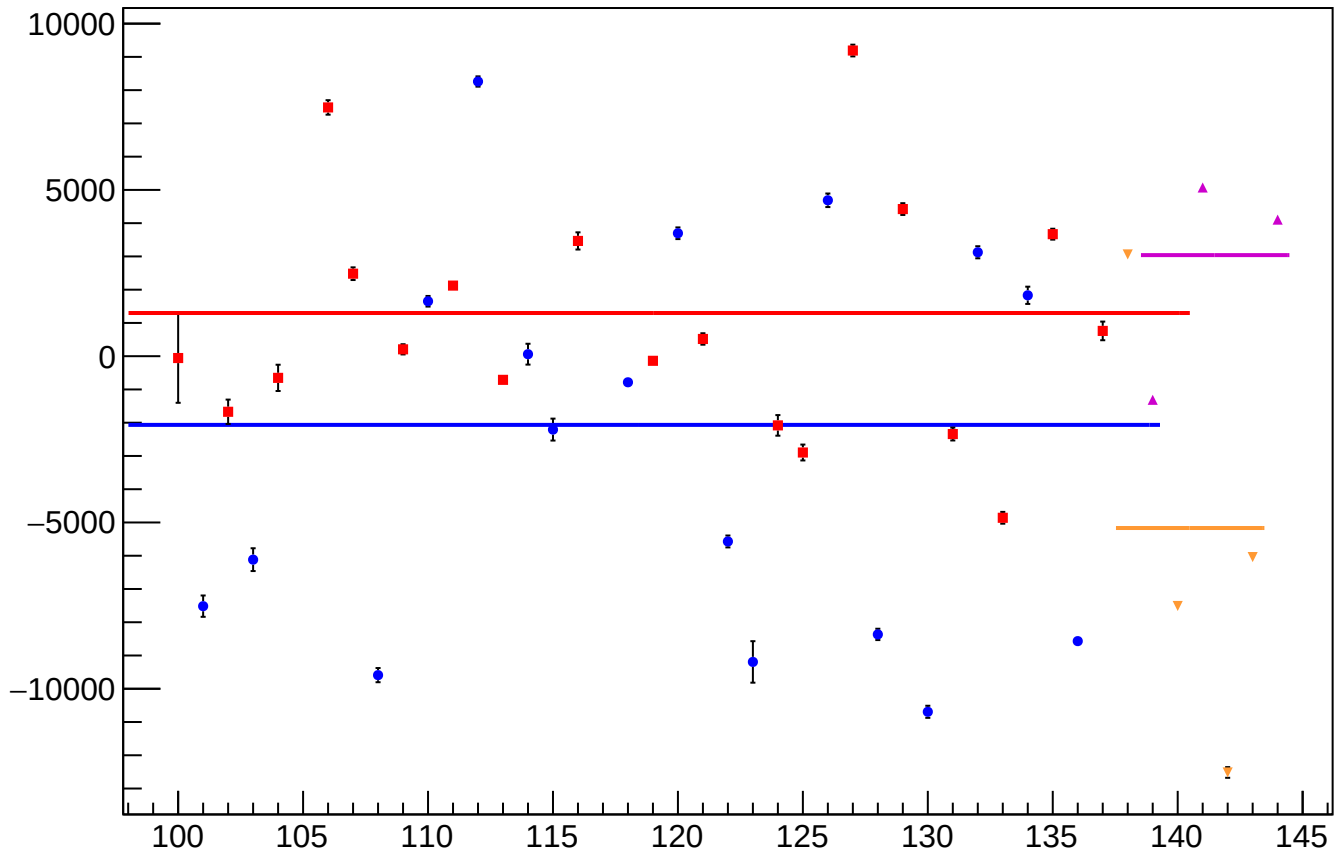
Left In: 209.656 $\pm$ 0.097 χ^2 /NDF: 20582.7/2

+ sign 218.137 $\pm$ 0.052 χ^2 /NDF: 659566.6/20

All: 213.626 $\pm$ 0.036 χ^2 /NDF: 1573850.1/42

- sign 209.488 $\pm$ 0.050 χ^2 /NDF: 899878.8/21

asym_bpm1i02WS_mean vs Slug



Right In: -2065.524 ± 47.407 $\chi^2/\text{NDF}: 16535.7/16$

Left Out: -5166.521 ± 66.412 $\chi^2/\text{NDF}: 6539.1/3$

Right Out: 1298.632 ± 44.980 $\chi^2/\text{NDF}: 5909.5/18$

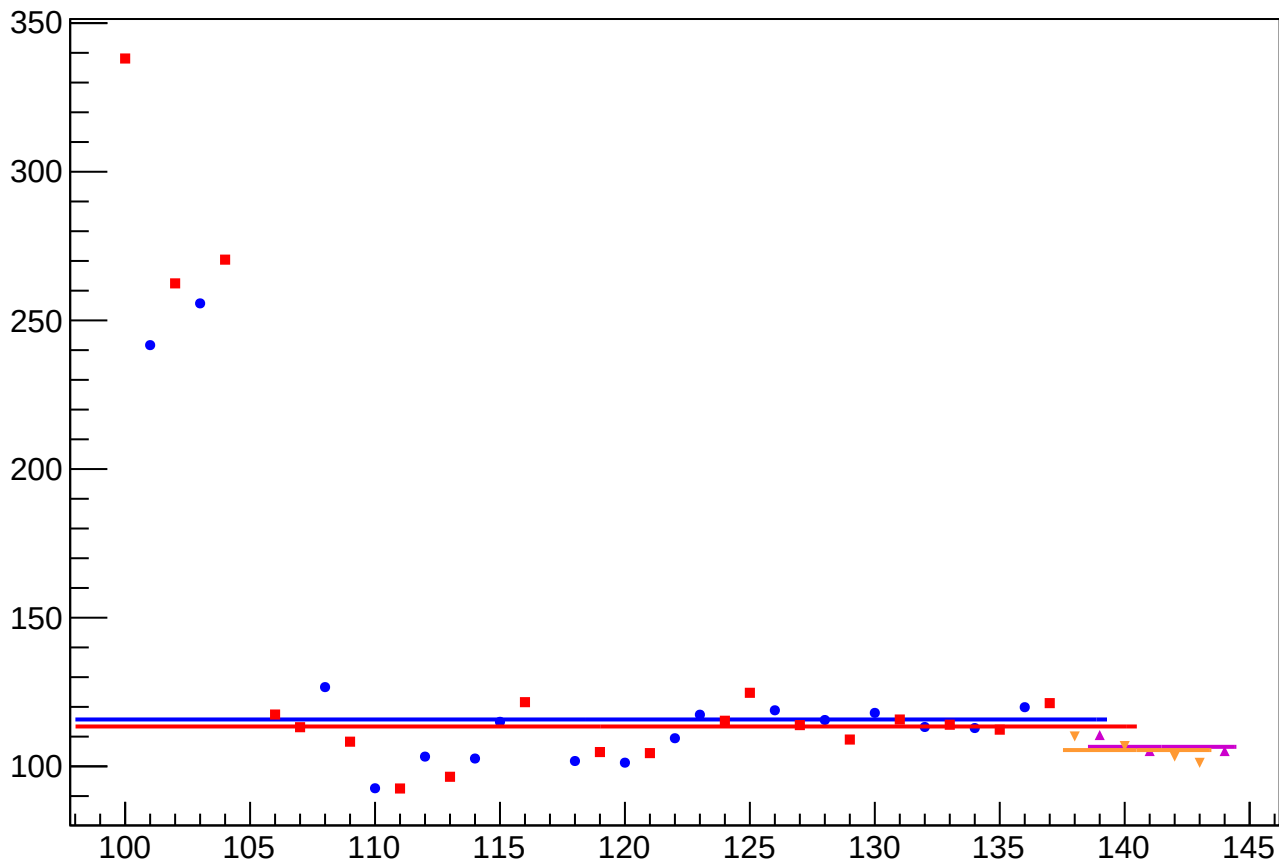
Left In: 3039.308 ± 70.162 $\chi^2/\text{NDF}: 1402.6/2$

+ sign -3112.263 ± 38.585 $\chi^2/\text{NDF}: 24519.1/20$

All: -607.117 ± 27.026 $\chi^2/\text{NDF}: 40542.5/42$

- sign 1805.656 ± 37.867 $\chi^2/\text{NDF}: 7748.3/21$

asym_bpm1i02WS_rms vs Slug



Right In: 115.768 $\pm$ 0.034 χ^2 /NDF: 743657.8/16

Left Out: 105.478 $\pm$ 0.047 χ^2 /NDF: 5464.3/3

Right Out: 113.410 $\pm$ 0.032 χ^2 /NDF: 795303.3/18

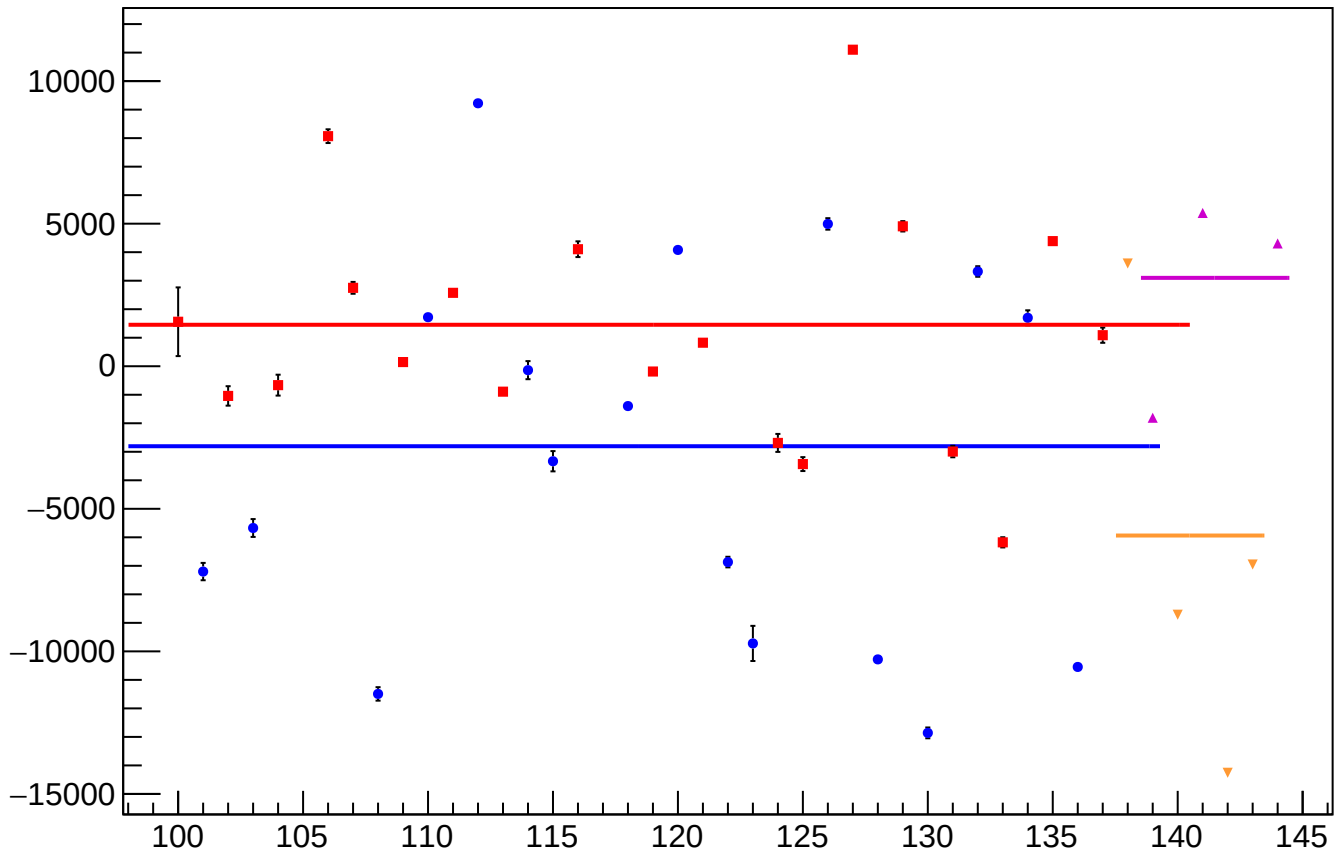
Left In: 106.564 $\pm$ 0.050 χ^2 /NDF: 2278.6/2

+ sign 112.294 $\pm$ 0.027 χ^2 /NDF: 780926.2/20

All: 111.847 $\pm$ 0.019 χ^2 /NDF: 1592532.1/42

- sign 111.416 $\pm$ 0.027 χ^2 /NDF: 811077.7/21

asym_bpm2i01WS_mean vs Slug



Right In: -2805.410 ± 48.358 χ^2/NDF : 21259.6/16

Left Out: -5937.113 ± 71.100 χ^2/NDF : 7375.2/3

Right Out: 1454.376 ± 46.372 χ^2/NDF : 8020.2/18

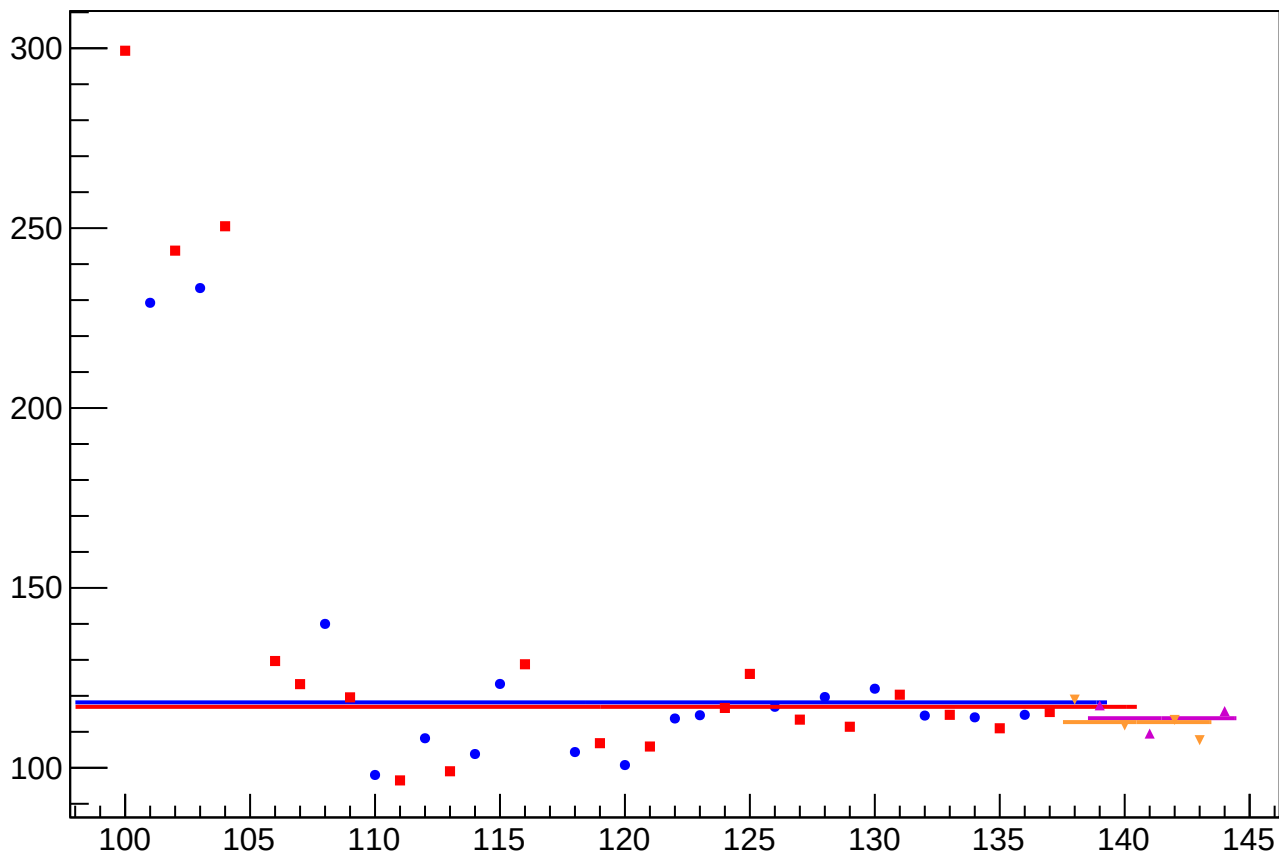
Left In: 3099.730 ± 75.049 χ^2/NDF : 1576.8/2

+ sign -3795.916 ± 39.986 χ^2/NDF : 29961.2/20

All: -904.891 ± 28.083 χ^2/NDF : 50221.4/42

- sign 1908.987 ± 39.449 χ^2/NDF : 9944.9/21

asym_bpm2i01WS_rms vs Slug



Right In: 118.187 $\pm$ 0.034 χ^2 /NDF: 636345.5/16

Left Out: 112.705 $\pm$ 0.050 χ^2 /NDF:6945.4/3

Right Out: 116.944 $\pm$ 0.033 χ^2 /NDF: 689368.0/18

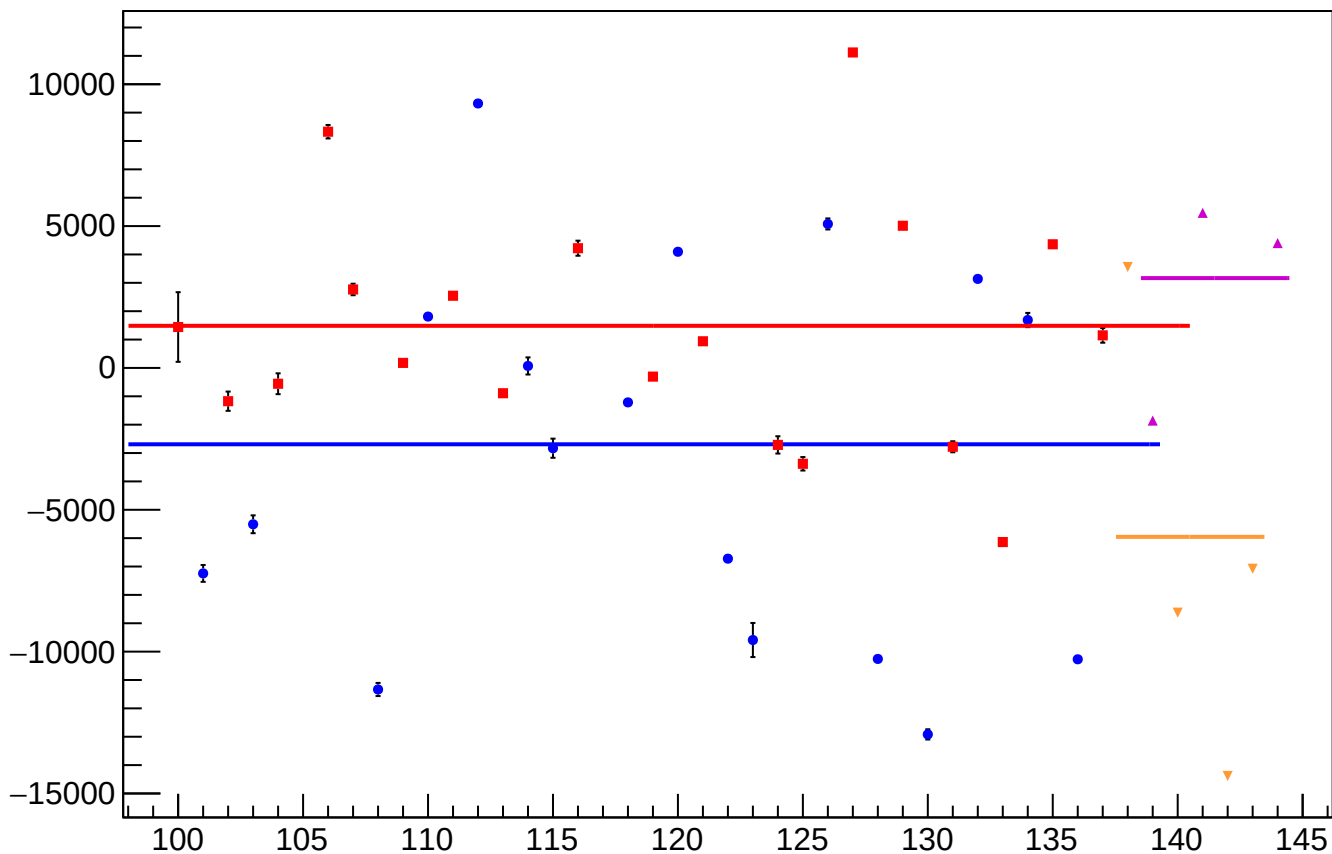
Left In: 113.784 $\pm$ 0.053 χ^2 /NDF:4185.5/2

+ sign 116.453 $\pm$ 0.028 χ^2 /NDF: 651421.1/20

All: 116.259 $\pm$ 0.020 χ^2 /NDF: 1347633.3/42

- sign 116.070 $\pm$ 0.028 χ^2 /NDF: 696119.4/21

asym_bpm2i02WS_mean vs Slug



Right In: -2691.569 ± 46.420 $\chi^2/\text{NDF}: 22847.7/16$

Left Out: -5954.011 ± 68.741 $\chi^2/\text{NDF}: 7924.7/3$

Right Out: 1484.889 ± 44.421 $\chi^2/\text{NDF}: 8724.0/18$

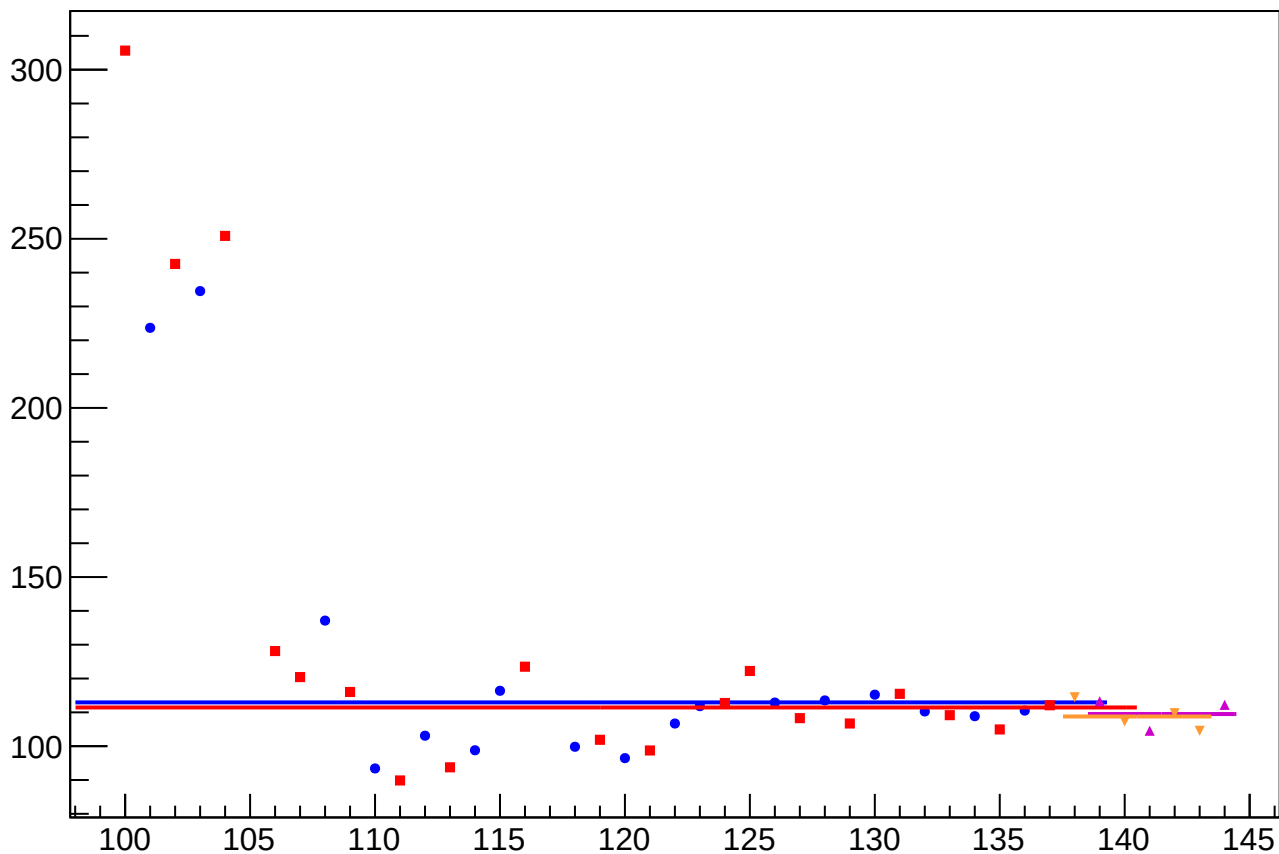
Left In: 3166.669 ± 72.386 $\chi^2/\text{NDF}: 1766.6/2$

+ sign -3713.322 ± 38.470 $\chi^2/\text{NDF}: 32319.3/20$

All: -838.995 ± 26.984 $\chi^2/\text{NDF}: 54191.5/42$

- sign 1944.961 ± 37.860 $\chi^2/\text{NDF}: 10882.7/21$

asym_bpm2i02WS_rms vs Slug



Right In: 112.944 $\pm$ 0.033 χ^2 /NDF: 680438.6/16

Left Out: 108.778 $\pm$ 0.049 χ^2 /NDF:6031.2/3

Right Out: 111.444 $\pm$ 0.031 χ^2 /NDF: 764132.1/18

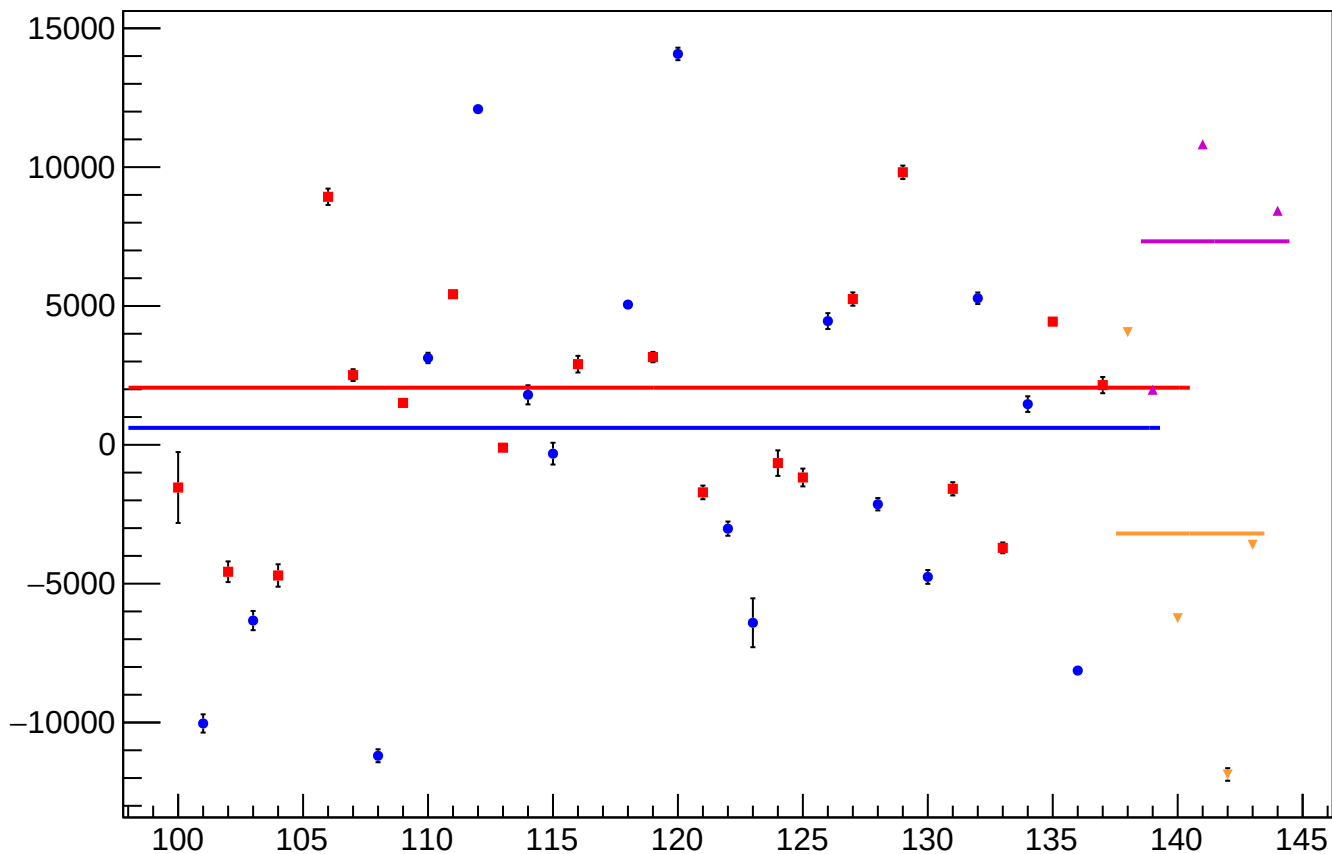
Left In: 109.501 $\pm$ 0.051 χ^2 /NDF:6047.6/2

+ sign 111.639 $\pm$ 0.027 χ^2 /NDF: 691515.1/20

All: 111.270 $\pm$ 0.019 χ^2 /NDF: 1463103.8/42

- sign 110.913 $\pm$ 0.027 χ^2 /NDF: 771226.4/21

asym_bpm0i01WS_mean vs Slug



Right In: 610.939+/-56.154 χ^2/NDF : 18248.2/16

Left Out: -3193.601+/-89.097 χ^2/NDF : 3869.4/3

Right Out: 2057.548+/-53.904 χ^2/NDF : 4649.5/18

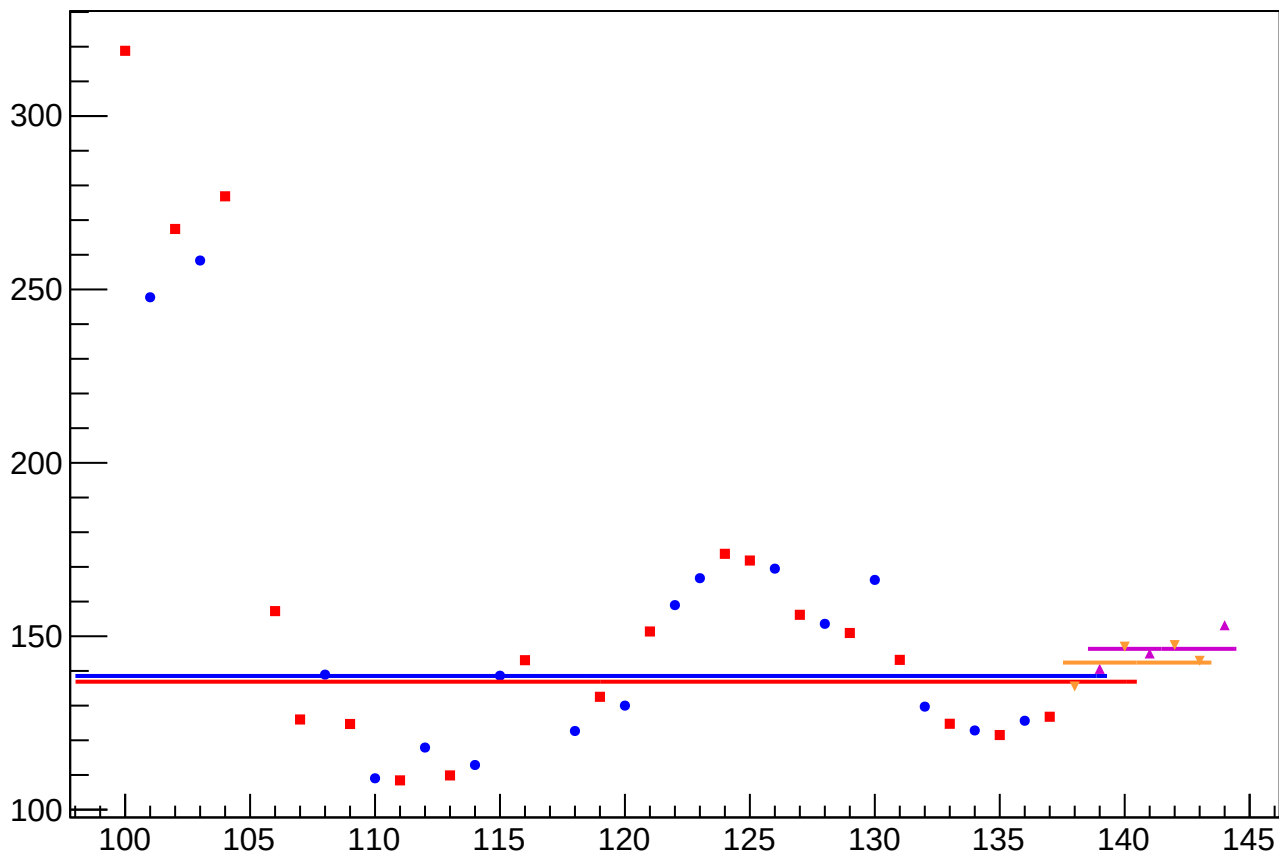
Left In: 7327.792+/-95.870 χ^2/NDF : 1478.1/2

+ sign -470.665+/-47.506 χ^2/NDF : 23422.6/20

All: 1447.272+/-33.406 χ^2/NDF : 35070.8/42

- sign 3323.474+/-46.986 χ^2/NDF : 8423.8/21

asym_bpm0i01WS_rms vs Slug



Right In: 138.549 $\pm$ 0.040 χ^2 /NDF: 667663.4/16

Left Out: 142.406 $\pm$ 0.063 χ^2 /NDF: 6218.1/3

Right Out: 136.895 $\pm$ 0.038 χ^2 /NDF: 751443.4/18

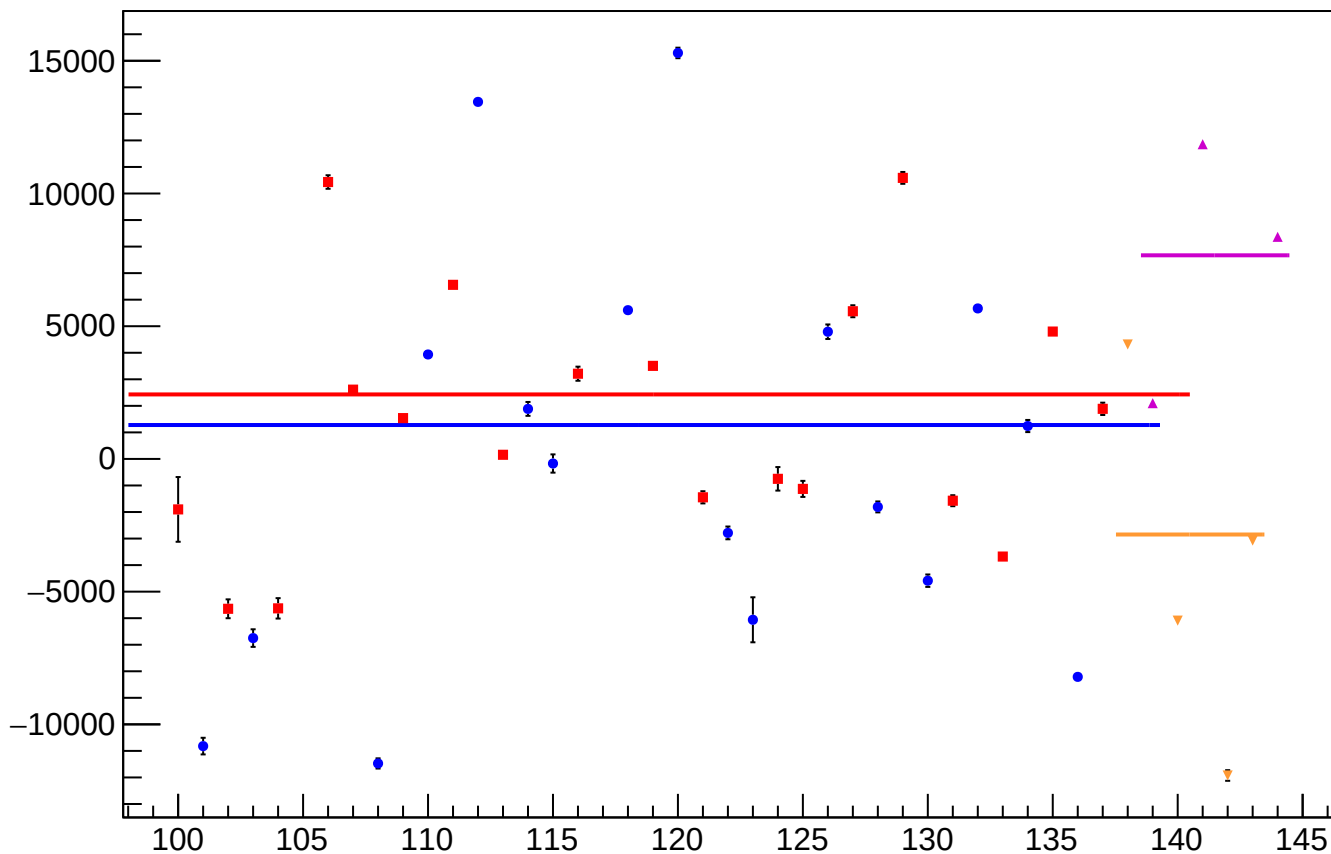
Left In: 146.370 $\pm$ 0.068 χ^2 /NDF: 5687.5/2

+ sign 139.646 $\pm$ 0.034 χ^2 /NDF: 676564.0/20

All: 139.406 $\pm$ 0.024 χ^2 /NDF: 1448639.6/42

- sign 139.171 $\pm$ 0.033 χ^2 /NDF: 771974.7/21

asym_bpm0i01aWS_mean vs Slug



Right In: 1277.751 $\pm$ 46.646 χ^2 /NDF: 30549.2/16

Left Out: -2847.230 $\pm$ 77.739 χ^2 /NDF:5293.3/3

Right Out: 2430.297 $\pm$ 44.264 χ^2 /NDF: 7696.9/18

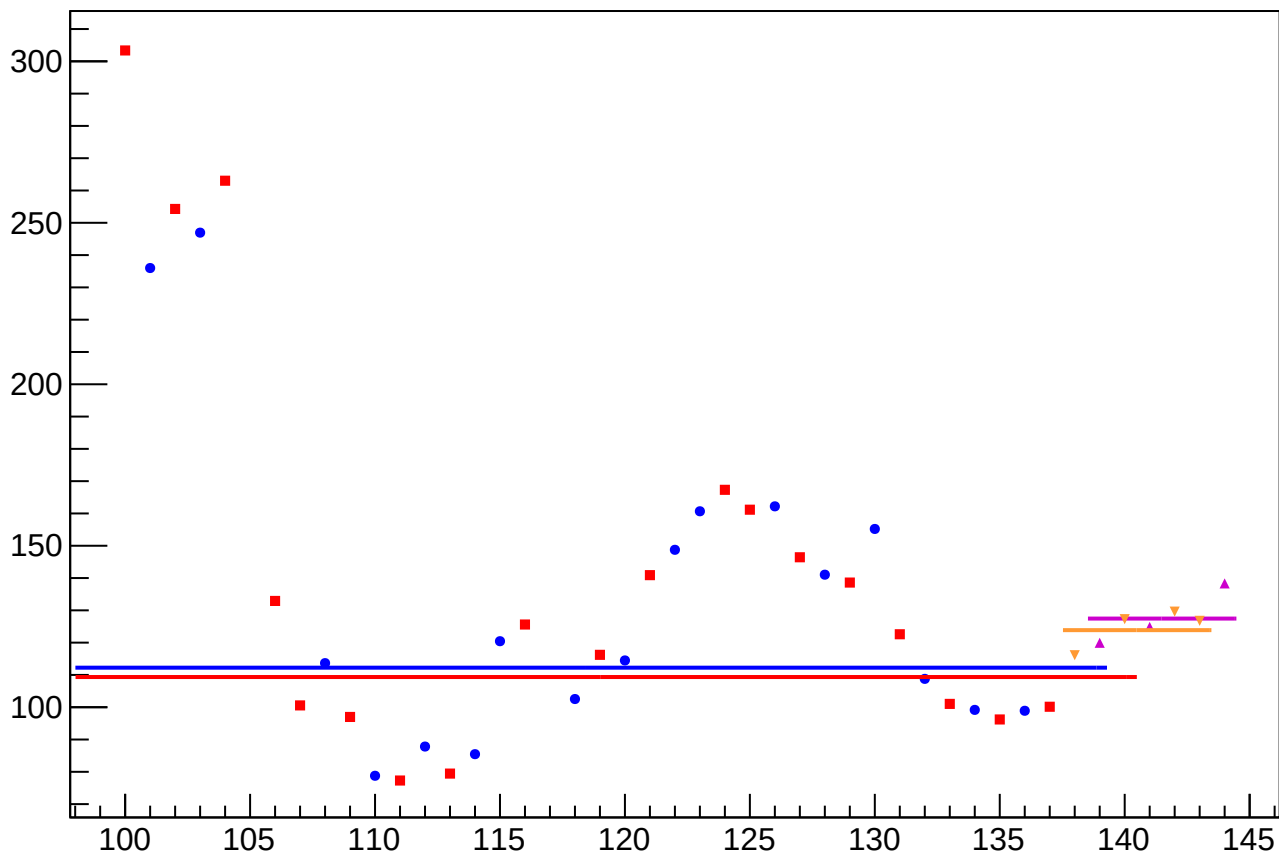
Left In: 7671.277 $\pm$ 83.788 χ^2 /NDF:2362.3/2

+ sign 185.772 $\pm$ 39.998 χ^2 /NDF: 37912.7/20

All: 1916.597 $\pm$ 27.974 χ^2 /NDF: 54696.2/42

- sign 3573.846 $\pm$ 39.139 χ^2 /NDF: 13118.0/21

asym_bpm0i01aWS_rms vs Slug



Right In: 112.247 $\pm$ 0.033 χ^2/NDF : 1123602.1/16

Left Out: 123.867 $\pm$ 0.055 χ^2/NDF : 9857.2/3

Right Out: 109.351 $\pm$ 0.031 χ^2/NDF : 1263029.6/18

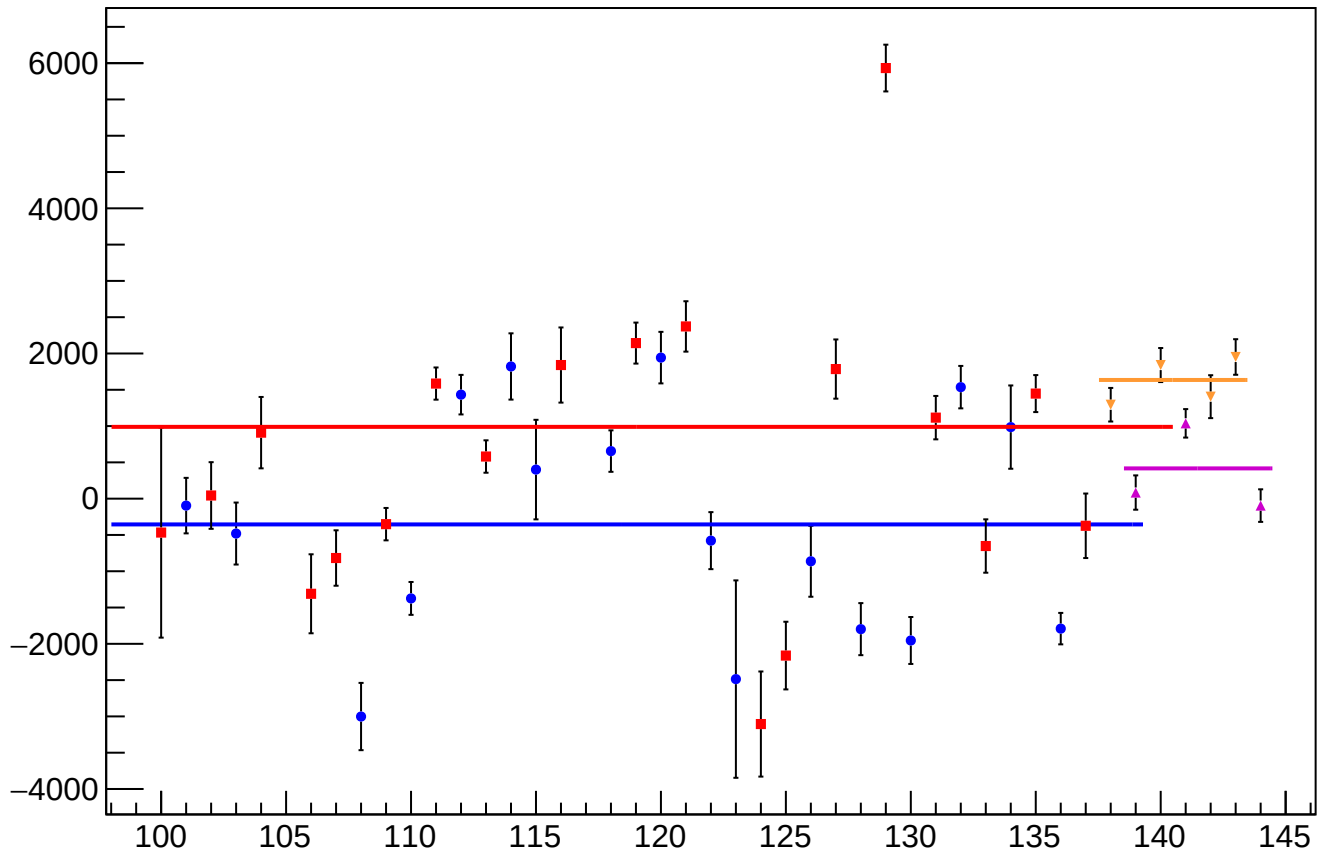
Left In: 127.451 $\pm$ 0.059 χ^2/NDF : 16199.0/2

+ sign 115.323 $\pm$ 0.028 χ^2/NDF : 1166310.5/20

All: 114.290 $\pm$ 0.020 χ^2/NDF : 2521118.7/42

- sign 113.300 $\pm$ 0.028 χ^2/NDF : 1352194.1/21

asym_bpm0l01WS_mean vs Slug



Right In: -354.938 ± 84.016 χ^2/NDF : 310.6/16

Left Out: 1635.283 ± 124.063 χ^2/NDF : 5.2/3

Right Out: 989.192 ± 77.653 χ^2/NDF : 477.2/18

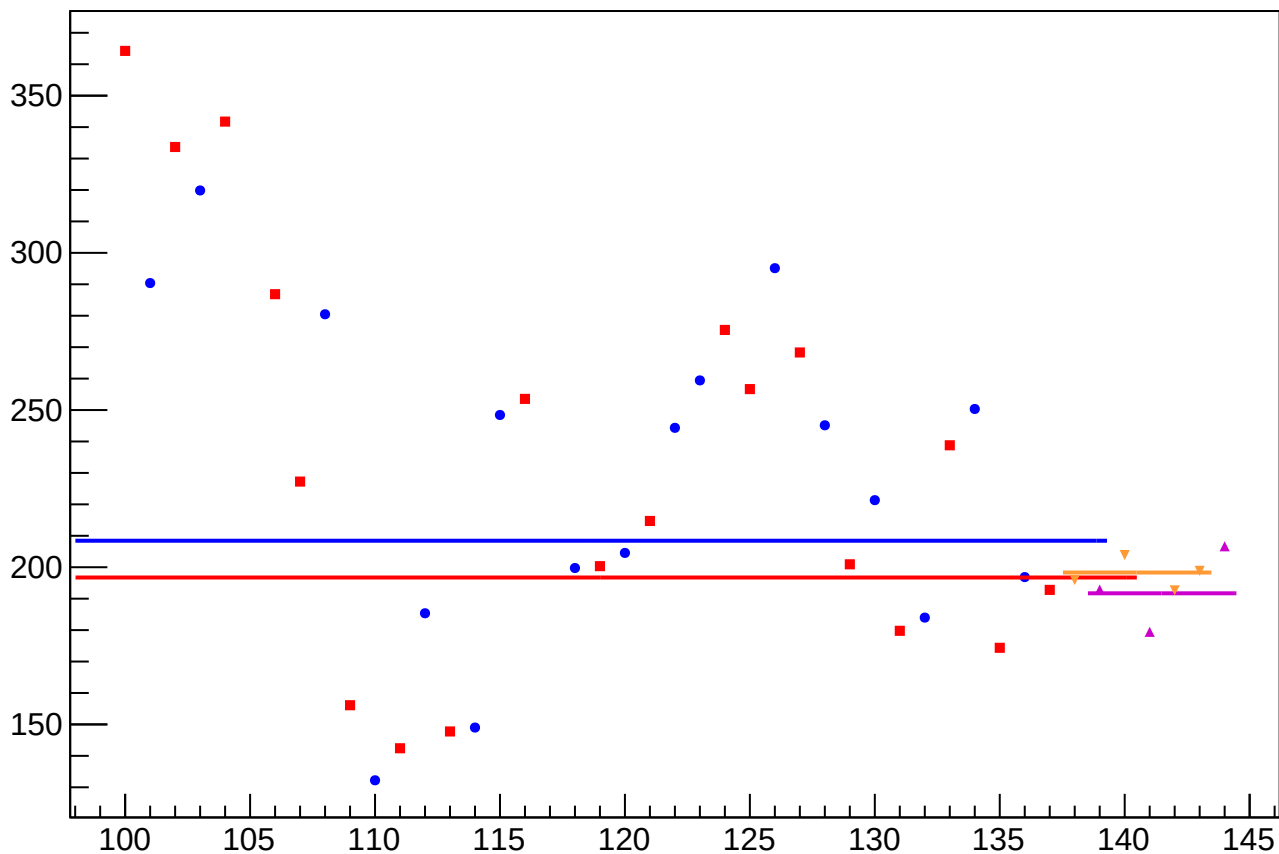
Left In: 416.838 ± 125.264 χ^2/NDF : 17.2/2

+ sign 270.813 ± 69.565 χ^2/NDF : 492.2/20

All: 565.260 ± 47.880 χ^2/NDF : 1035.8/42

- sign 830.301 ± 66.000 χ^2/NDF : 509.5/21

asym_bpm0l01WS_rms vs Slug



Right In: 208.429±/-0.059 χ^2/NDF : 696957.4/16

Left Out: 198.319±/-0.088 χ^2/NDF : 2081.6/3

Right Out: 196.731±/-0.055 χ^2/NDF : 925461.3/18

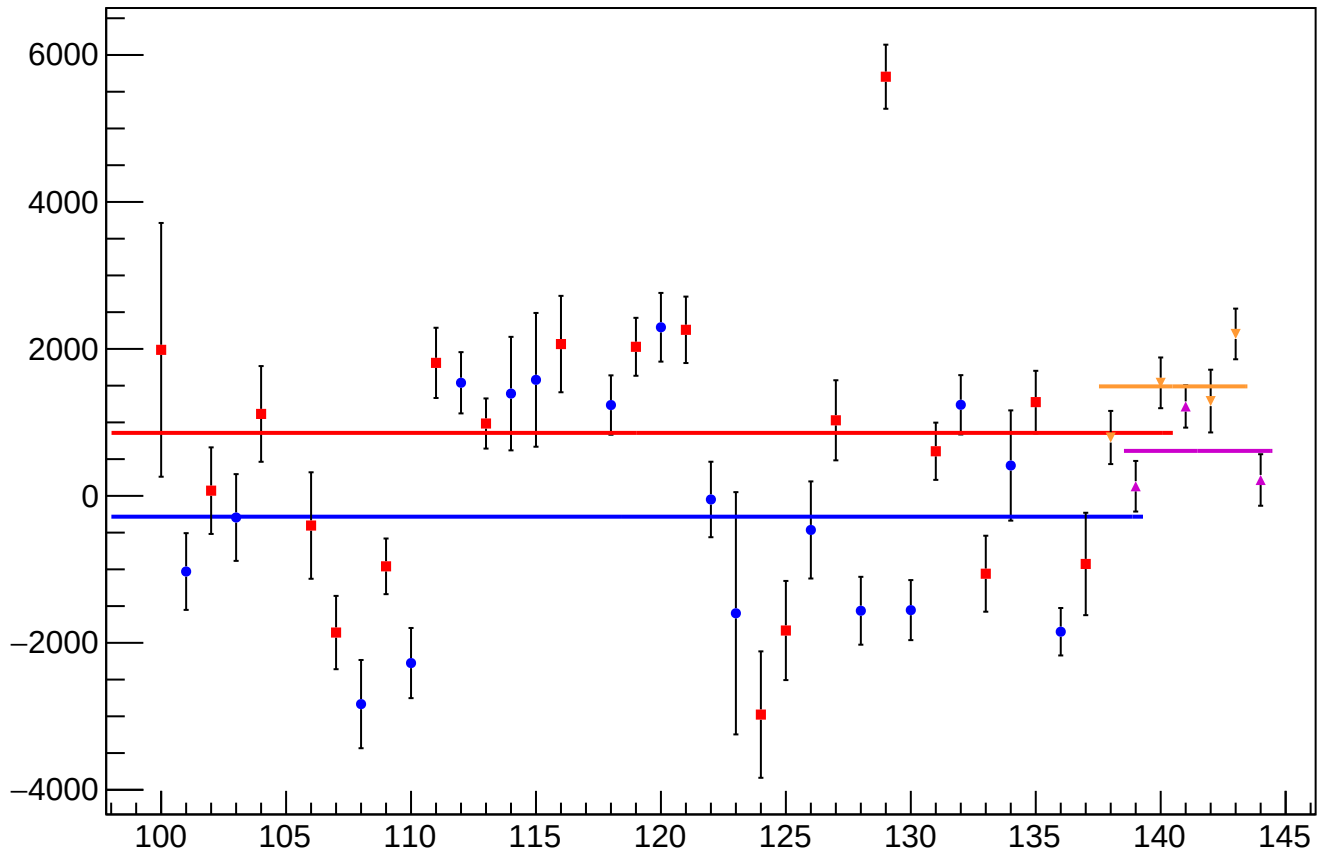
Left In: 191.705±/-0.089 χ^2/NDF : 16732.9/2

+ sign 205.251±/-0.049 χ^2/NDF : 708144.3/20

All: 200.032±/-0.034 χ^2/NDF : 1674046.0/42

- sign 195.335±/-0.047 χ^2/NDF : 944519.6/21

asym_bpm0l02WS_mean vs Slug



Right In: -283.146 ± 121.564 $\chi^2/\text{NDF}: 166.9/16$

Left Out: 1489.941 ± 182.759 $\chi^2/\text{NDF}: 8.2/3$

Right Out: 857.162 ± 115.341 $\chi^2/\text{NDF}: 265.0/18$

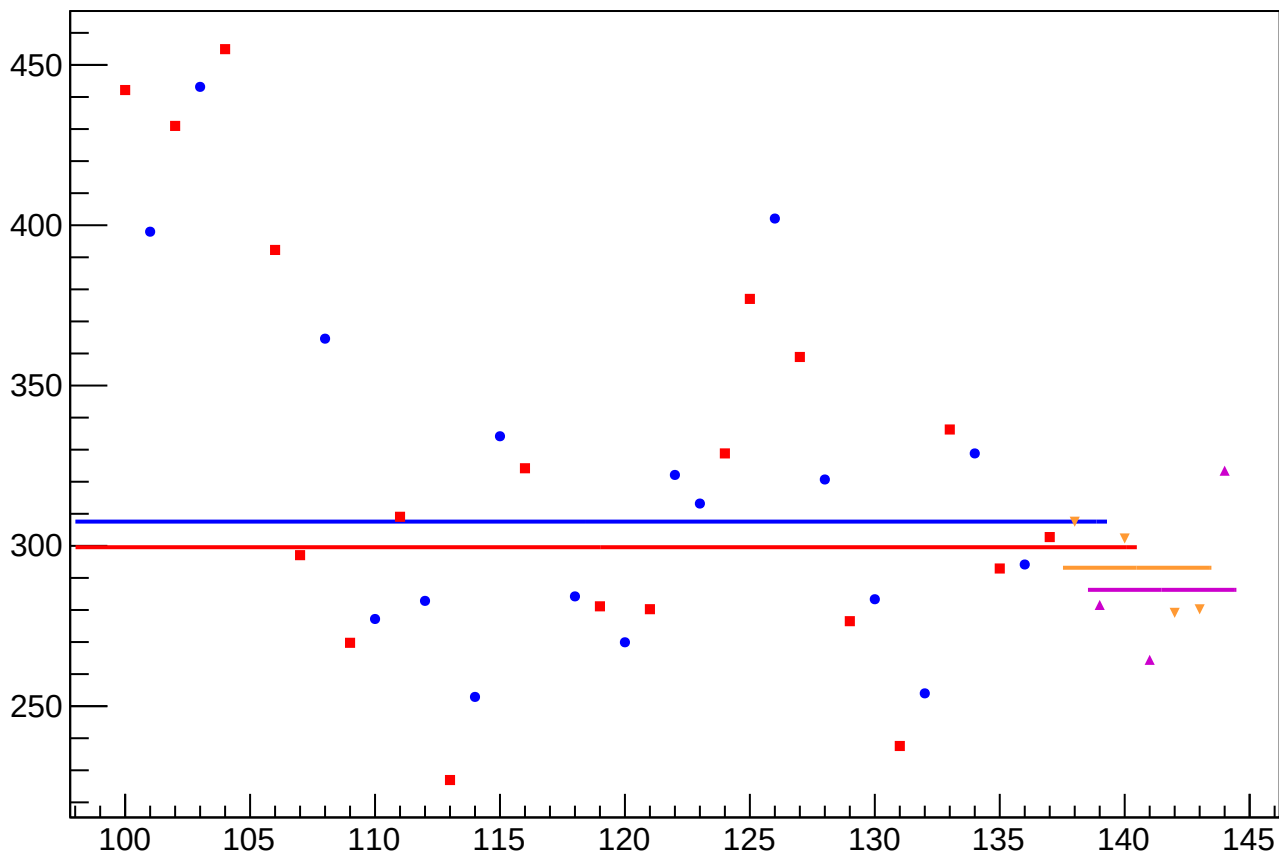
Left In: 612.138 ± 187.057 $\chi^2/\text{NDF}: 7.6/2$

+ sign 260.711 ± 101.217 $\chi^2/\text{NDF}: 240.4/20$

All: 533.250 ± 70.472 $\chi^2/\text{NDF}: 528.4/42$

- sign 789.665 ± 98.178 $\chi^2/\text{NDF}: 273.9/21$

asym_bpm0l02WS_rms vs Slug



Right In: 307.566 $\pm$ 0.086 χ^2 /NDF: 321522.0/16

Left Out: 293.175 $\pm$ 0.129 χ^2 /NDF: 9549.8/3

Right Out: 299.577 $\pm$ 0.082 χ^2 /NDF: 493549.3/18

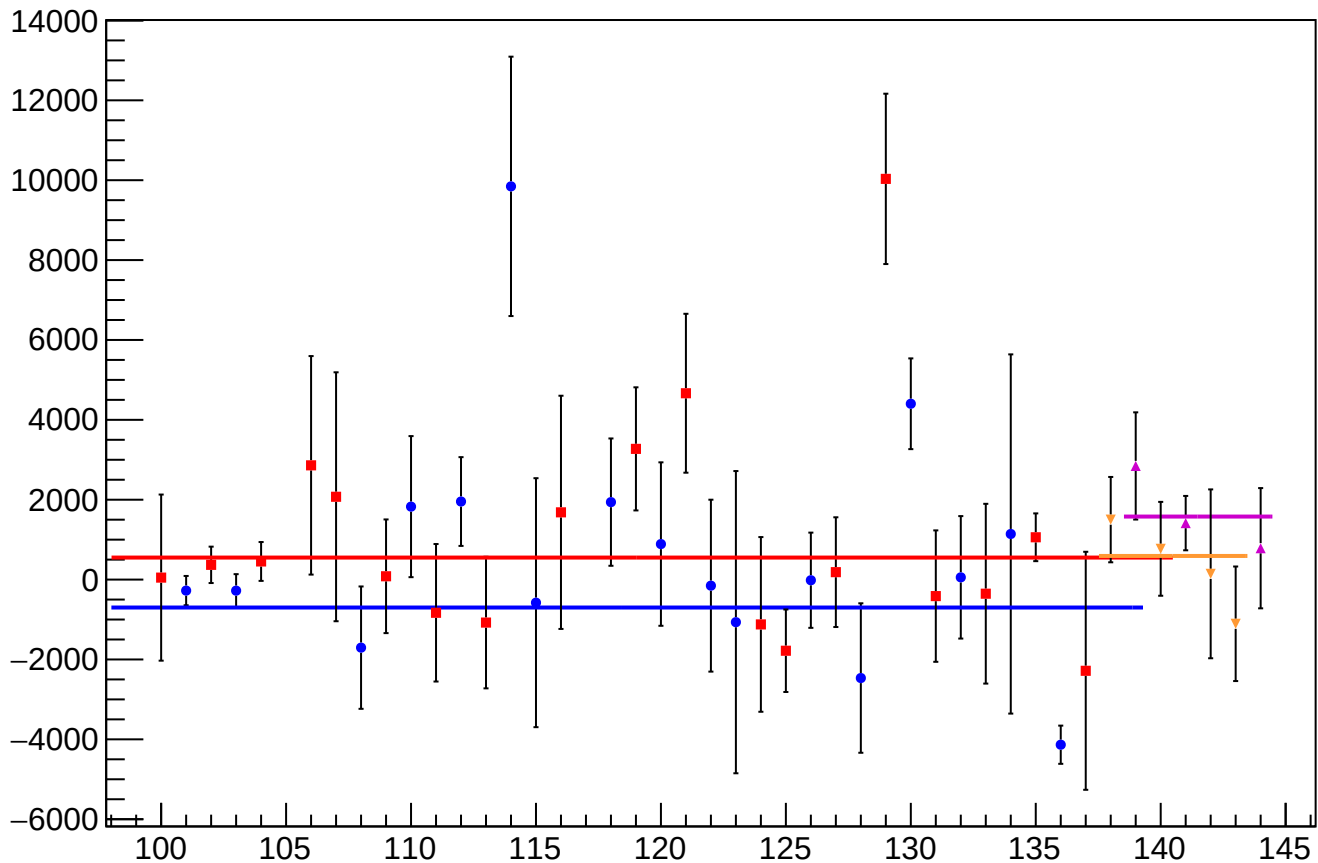
Left In: 286.283 $\pm$ 0.132 χ^2 /NDF: 34280.3/2

+ sign 303.152 $\pm$ 0.072 χ^2 /NDF: 339669.8/20

All: 299.423 $\pm$ 0.050 χ^2 /NDF: 880086.3/42

- sign 295.915 $\pm$ 0.069 χ^2 /NDF: 535148.4/21

asym_bpm0l03WS_mean vs Slug



Right In: -699.406 ± 210.504 $\chi^2/\text{NDF}: 97.9/16$

Left Out: 591.783 ± 657.950 $\chi^2/\text{NDF}: 2.2/3$

Right Out: 551.457 ± 243.420 $\chi^2/\text{NDF}: 38.1/18$

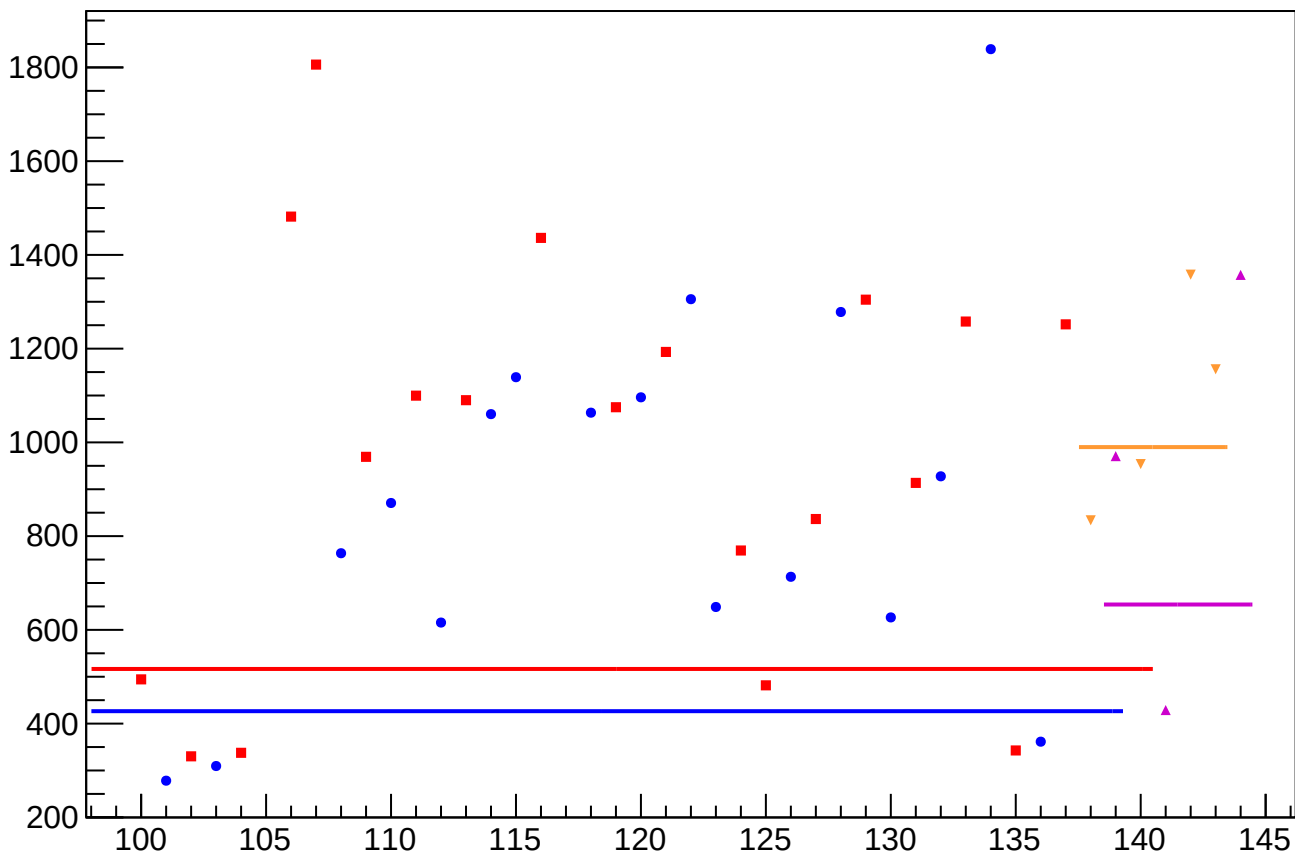
Left In: 1578.154 ± 562.945 $\chi^2/\text{NDF}: 1.2/2$

+ sign -579.512 ± 200.492 $\chi^2/\text{NDF}: 103.6/20$

All: -2.897 ± 149.221 $\chi^2/\text{NDF}: 164.3/42$

- sign 713.183 ± 223.427 $\chi^2/\text{NDF}: 42.2/21$

asym_bpm0l03WS_rms vs Slug



Right In: 426.522+/-0.149 χ^2/NDF : 2863074.2/16

Left Out: 989.946+/-0.465 χ^2/NDF :132036.7/3

Right Out: 516.598+/-0.172 χ^2/NDF : 3598022.9/18

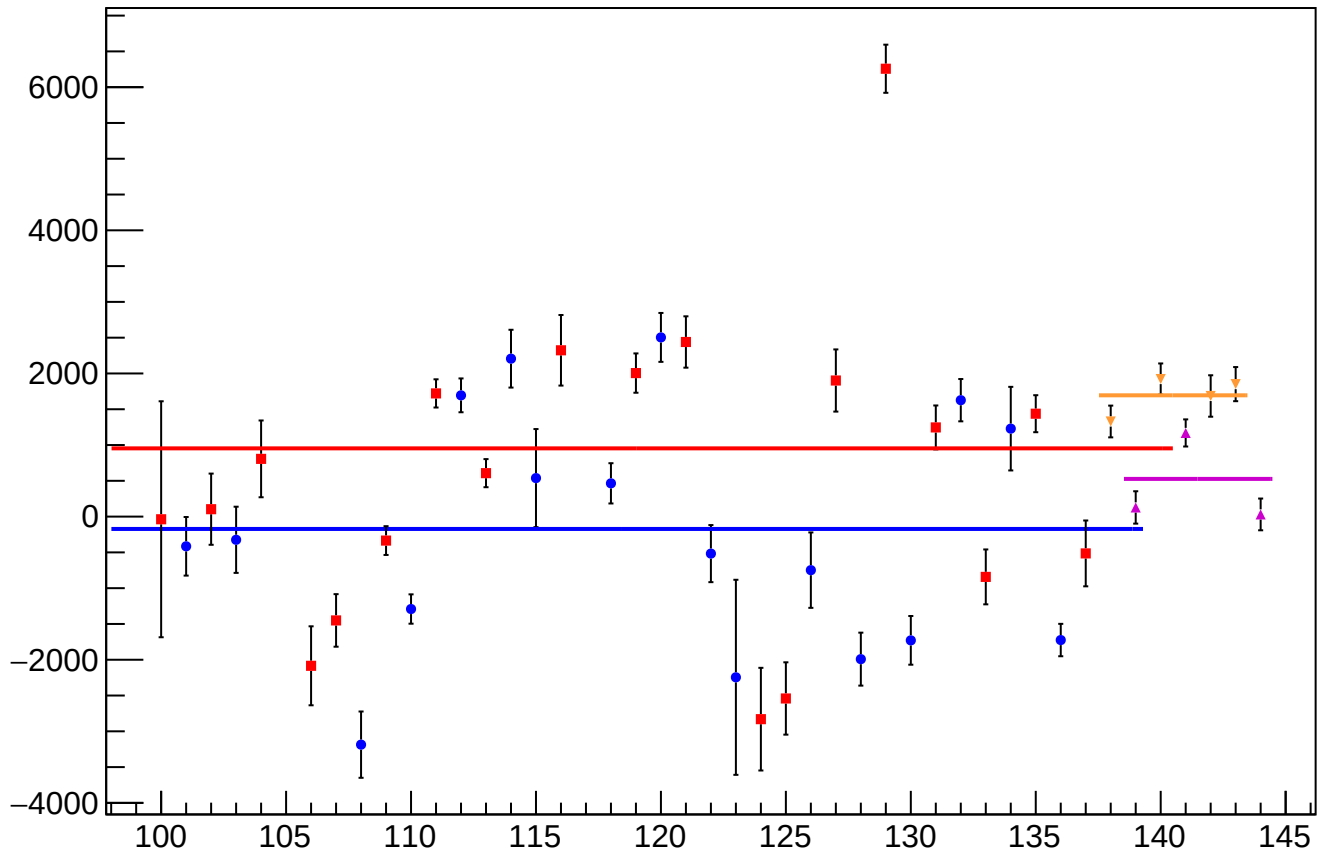
Left In: 654.098+/-0.398 χ^2/NDF :766661.7/2

+ sign 478.839+/-0.142 χ^2/NDF : 4325539.3/20

All: 505.343+/-0.106 χ^2/NDF : 8869099.6/42

- sign 538.257+/-0.158 χ^2/NDF : 4465206.2/21

asym_bpm0l04WS_mean vs Slug



Right In: -172.521 ± 82.544 χ^2/NDF : 376.5/16

Left Out: 1694.630 ± 118.755 χ^2/NDF : 4.2/3

Right Out: 953.457 ± 75.104 χ^2/NDF : 541.2/18

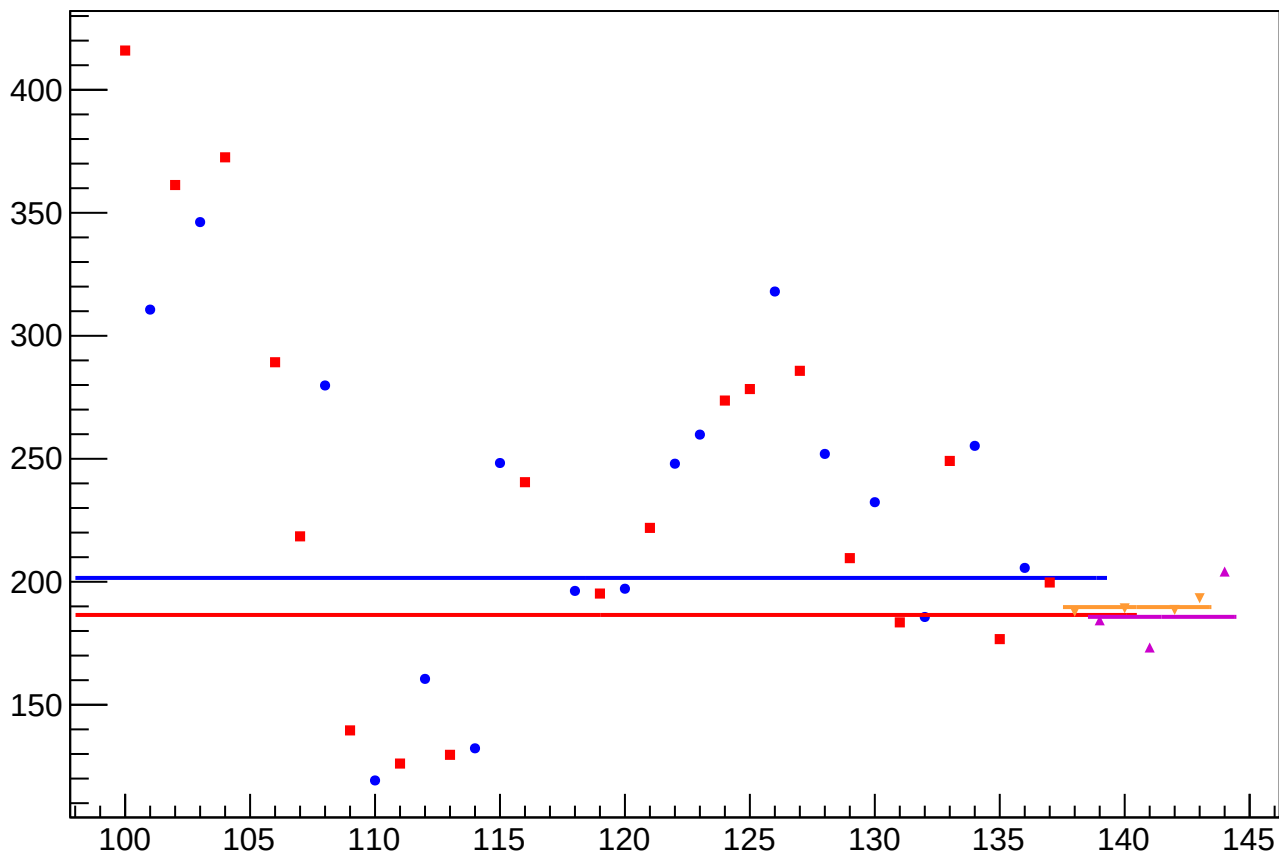
Left In: 526.769 ± 121.523 χ^2/NDF : 19.6/2

+ sign 435.712 ± 67.779 χ^2/NDF : 547.4/20

All: 647.427 ± 46.490 χ^2/NDF : 1135.6/42

- sign 835.528 ± 63.888 χ^2/NDF : 569.7/21

asym_bpm0l04WS_rms vs Slug



Right In: 201.572 $\pm$ 0.058 χ^2/NDF : 1052330.1/16

Left Out: 189.717 $\pm$ 0.084 χ^2/NDF : 643.9/3

Right Out: 186.520 $\pm$ 0.053 χ^2/NDF : 1388400.1/18

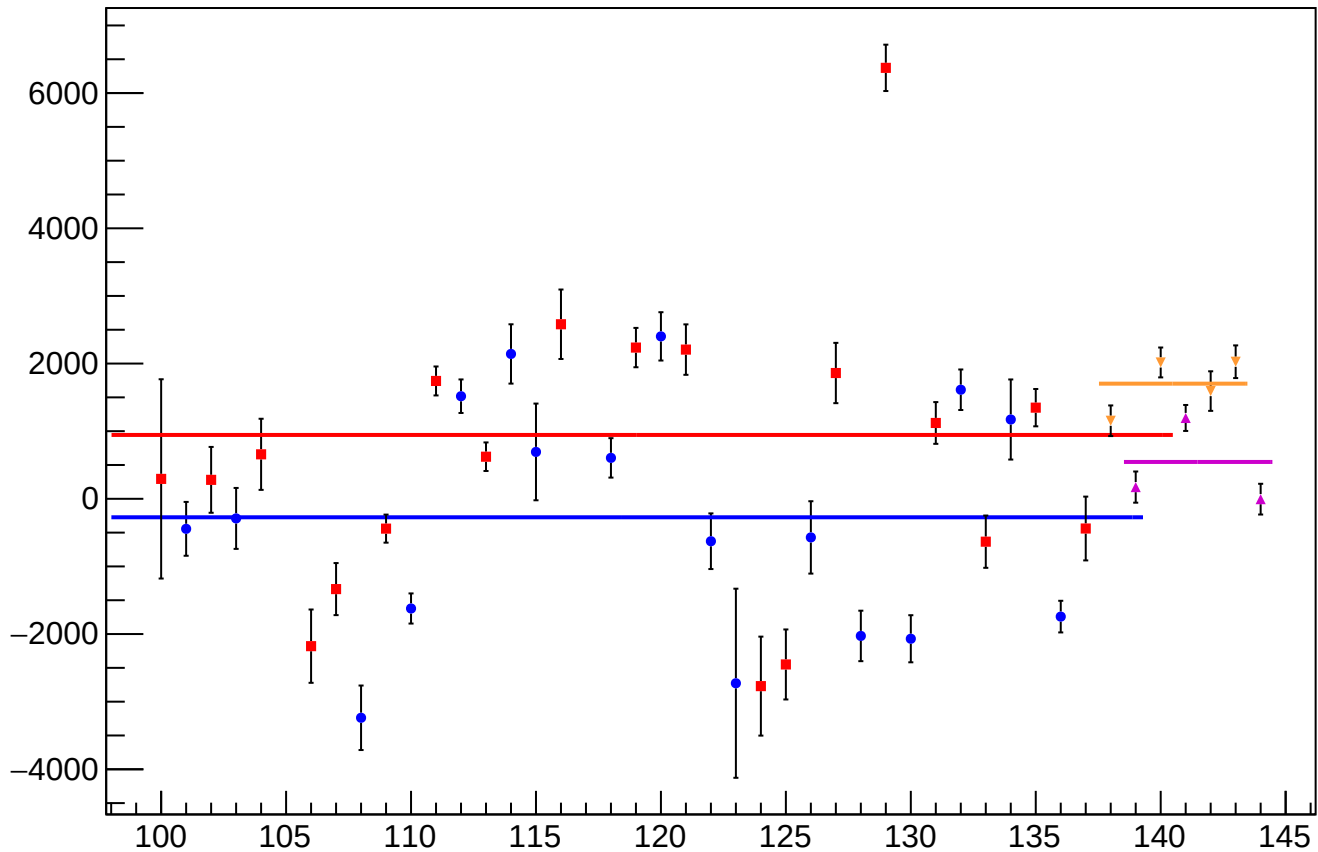
Left In: 185.748 $\pm$ 0.086 χ^2/NDF : 22504.9/2

+ sign 197.710 $\pm$ 0.048 χ^2/NDF : 1066411.3/20

All: 191.672 $\pm$ 0.033 χ^2/NDF : 2507354.0/42

- sign 186.307 $\pm$ 0.045 χ^2/NDF : 1410963.4/21

asym_bpm0l05WS_mean vs Slug



Right In: -273.296 ± 85.630 χ^2/NDF : 362.8/16

Left Out: 1702.750 ± 120.581 χ^2/NDF : 9.8/3

Right Out: 944.335 ± 78.399 χ^2/NDF : 524.4/18

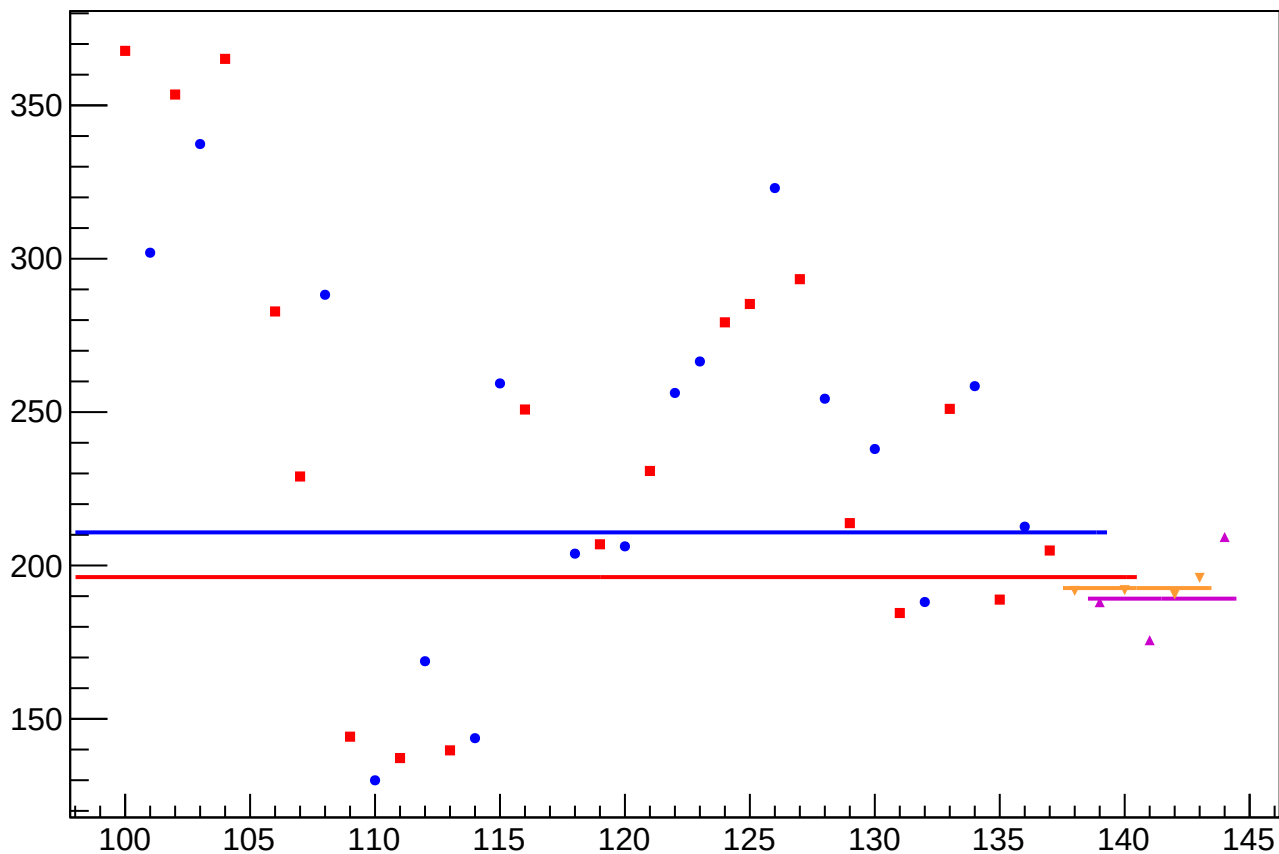
Left In: 544.961 ± 123.778 χ^2/NDF : 19.9/2

+ sign 389.158 ± 69.816 χ^2/NDF : 551.1/20

All: 621.183 ± 48.050 χ^2/NDF : 1123.9/42

- sign 829.990 ± 66.231 χ^2/NDF : 551.7/21

asym_bpm0l05WS_rms vs Slug



Right In: 210.791 ± 0.061 χ^2/NDF : 873120.0/16

Left Out: 192.637 ± 0.085 χ^2/NDF : 531.8/3

Right Out: 196.216 ± 0.055 χ^2/NDF : 1201600.7/18

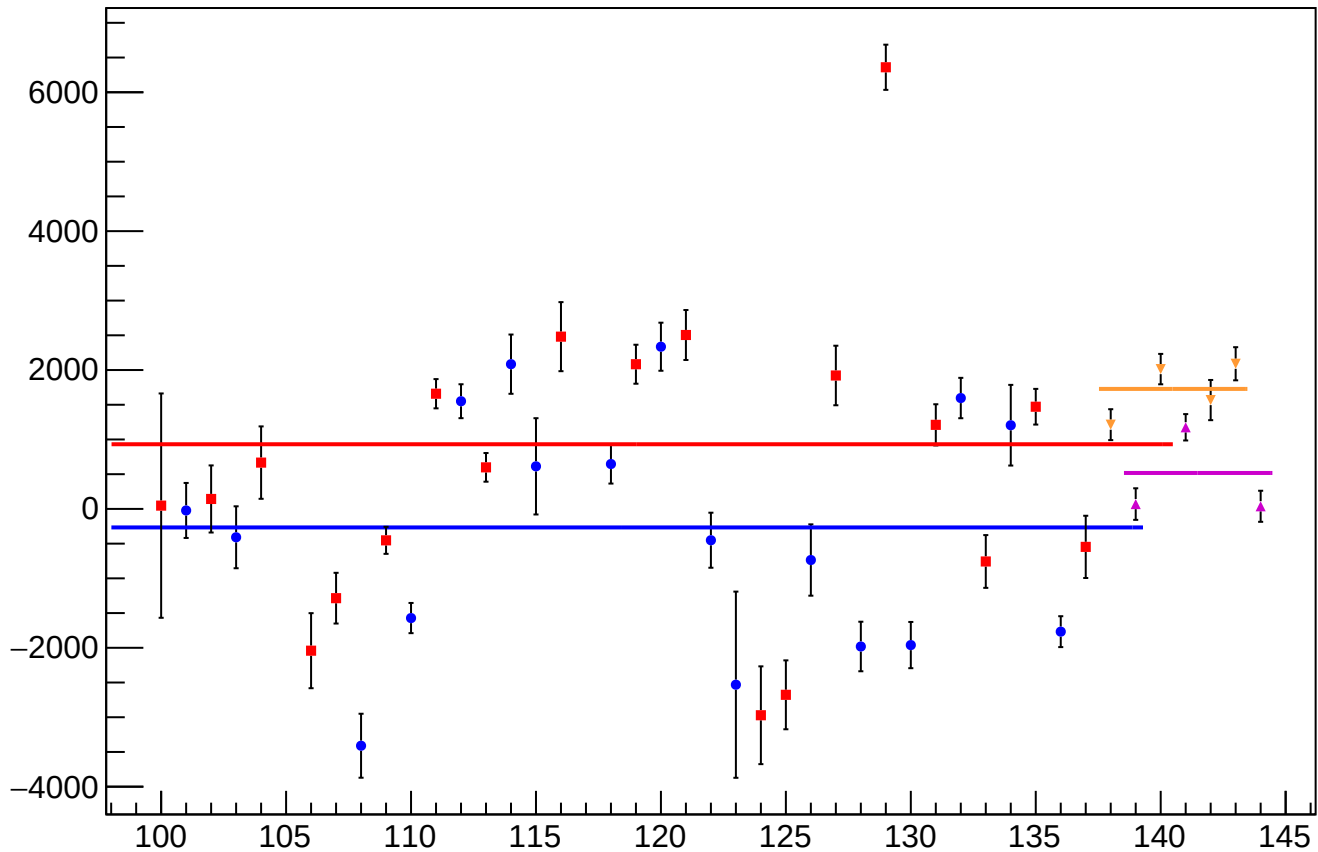
Left In: 189.190 ± 0.088 χ^2/NDF : 25632.4/2

+ sign 204.705 ± 0.049 χ^2/NDF : 903787.4/20

All: 199.178 ± 0.034 χ^2/NDF : 2159433.5/42

- sign 194.204 ± 0.047 χ^2/NDF : 1231832.8/21

asym_bpm0l06WS_mean vs Slug



Right In: -266.674 ± 82.997 χ^2/NDF : 383.4/16

Left Out: 1728.074 ± 119.010 χ^2/NDF : 9.7/3

Right Out: 931.196 ± 75.469 χ^2/NDF : 584.4/18

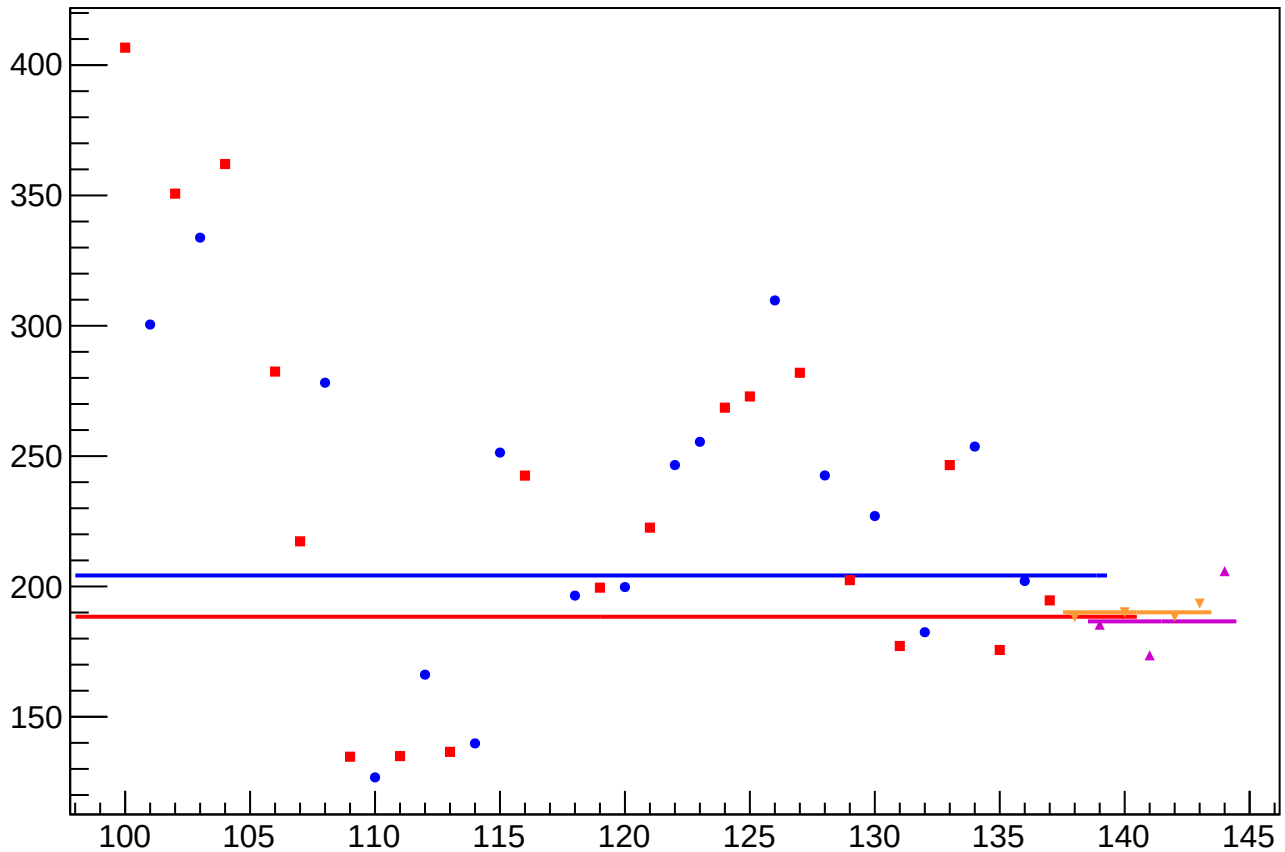
Left In: 517.605 ± 122.087 χ^2/NDF : 20.5/2

+ sign 386.039 ± 68.077 χ^2/NDF : 582.1/20

All: 614.078 ± 46.705 χ^2/NDF : 1216.5/42

- sign 816.849 ± 64.194 χ^2/NDF : 613.2/21

asym_bpm0l06WS_rms vs Slug



Right In: 204.211 ± 0.059 χ^2/NDF : 866108.6/16

Left Out: 190.086 ± 0.084 χ^2/NDF : 592.8/3

+ sign 199.589 ± 0.048 χ^2/NDF : 885656.0/20

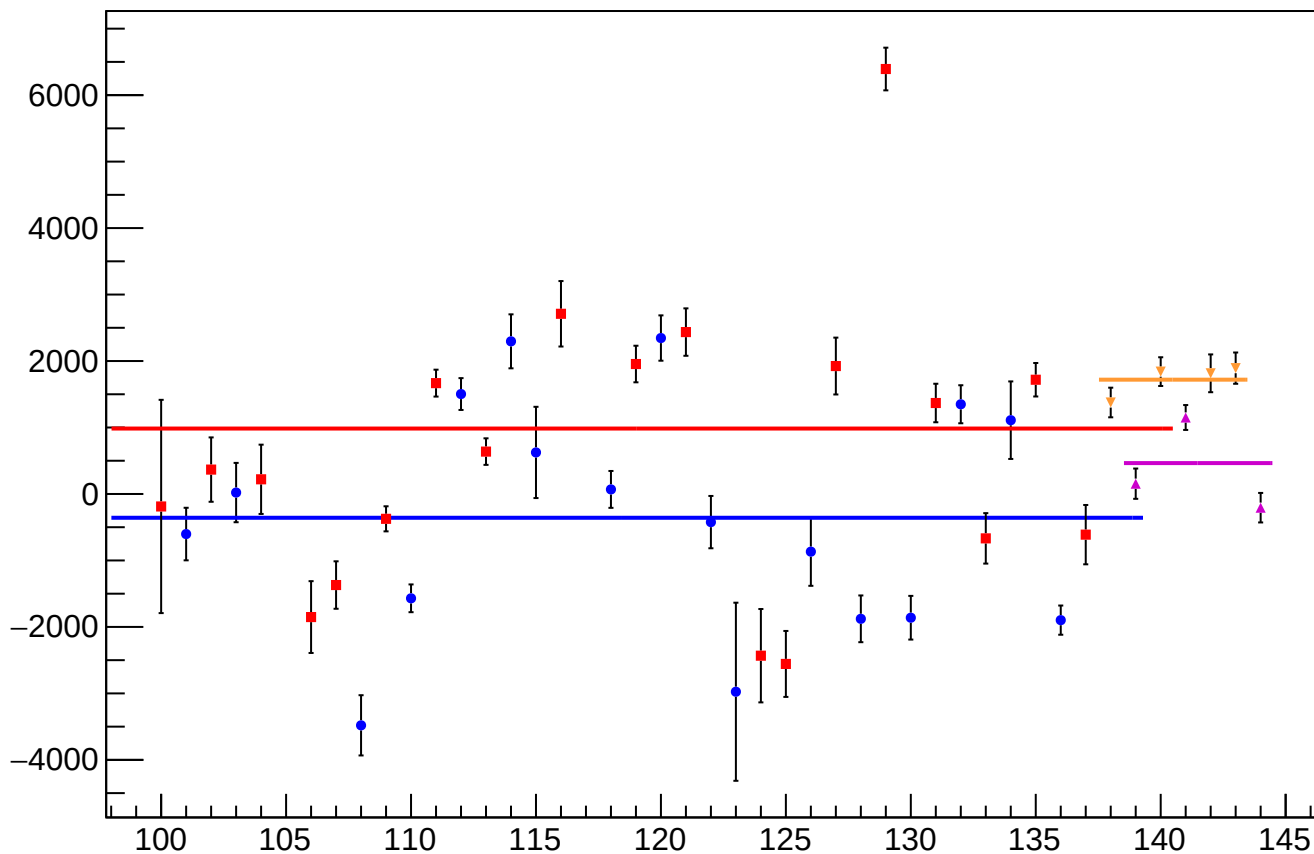
Right Out: 188.384 ± 0.053 χ^2/NDF : 1247760.0/18

All: 193.397 ± 0.033 χ^2/NDF : 2189303.4/42

- sign 187.891 ± 0.045 χ^2/NDF : 1272385.4/21

Left In: 186.599 ± 0.086 χ^2/NDF : 24316.1/2

asym_bpm0l07WS_mean vs Slug



Right In: -357.821 ± 81.517 χ^2/NDF : 388.2/16

Left Out: 1719.594 ± 117.845 χ^2/NDF : 3.3/3

Right Out: 984.342 ± 73.851 χ^2/NDF : 588.2/18

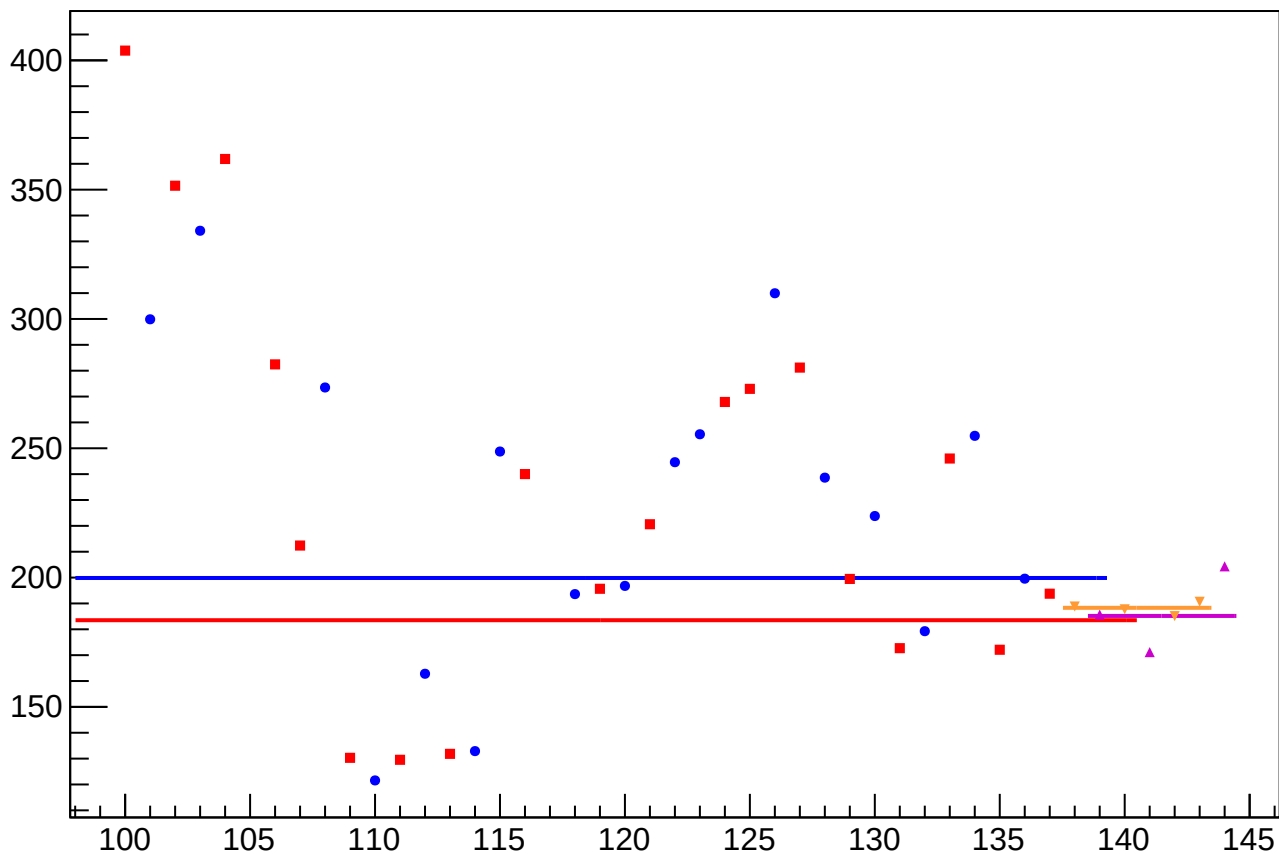
Left In: 464.629 ± 121.185 χ^2/NDF : 24.4/2

+ sign 314.503 ± 67.041 χ^2/NDF : 601.8/20

All: 595.210 ± 45.934 χ^2/NDF : 1260.9/42

- sign 843.601 ± 63.064 χ^2/NDF : 626.1/21

asym_bpm0l07WS_rms vs Slug



Right In: 199.847 $\pm$ 0.058 χ^2 /NDF: 940786.8/16

Left Out: 188.311 $\pm$ 0.083 χ^2 /NDF: 477.5/3

Right Out: 183.513 $\pm$ 0.052 χ^2 /NDF: 1345883.7/18

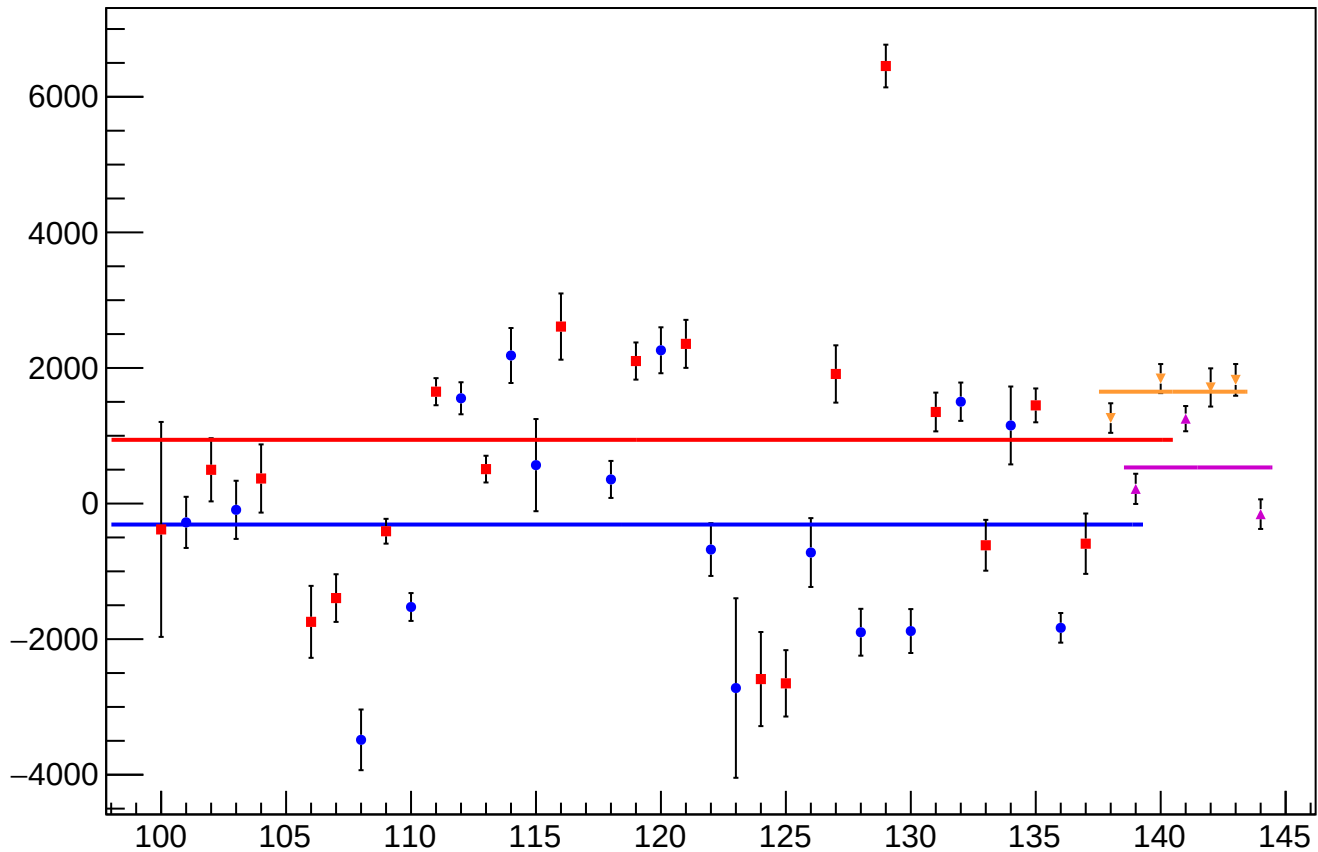
Left In: 185.170 $\pm$ 0.086 χ^2 /NDF: 26107.0/2

+ sign 196.113 $\pm$ 0.047 χ^2 /NDF: 954228.0/20

All: 189.666 $\pm$ 0.032 χ^2 /NDF: 2361352.6/42

- sign 183.962 $\pm$ 0.045 χ^2 /NDF: 1372263.1/21

asym_bpm0l08WS_mean vs Slug



Right In: -309.418 ± 80.357 χ^2/NDF : 396.4/16

Left Out: 1650.106 ± 116.556 χ^2/NDF : 4.6/3

Right Out: 940.123 ± 72.716 χ^2/NDF : 616.8/18

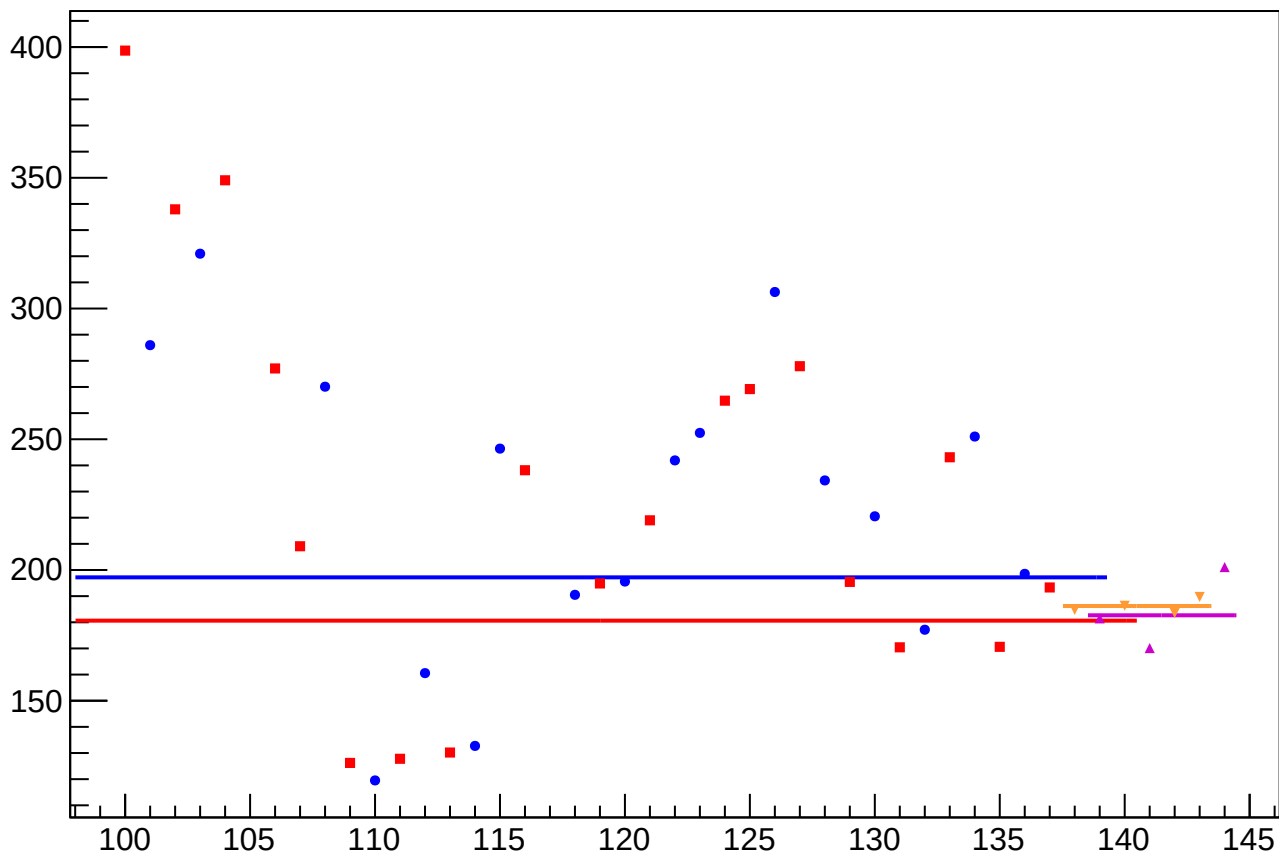
Left In: 532.689 ± 119.555 χ^2/NDF : 26.9/2

+ sign 321.892 ± 66.158 χ^2/NDF : 592.6/20

All: 591.949 ± 45.288 χ^2/NDF : 1276.2/42

- sign 830.100 ± 62.127 χ^2/NDF : 652.2/21

asym_bpm0l08WS_rms vs Slug



Right In: 197.185 $\pm$ 0.057 χ^2 /NDF: 909929.0/16

Left Out: 186.225 $\pm$ 0.082 χ^2 /NDF: 715.7/3

Right Out: 180.624 $\pm$ 0.051 χ^2 /NDF: 1341837.4/18

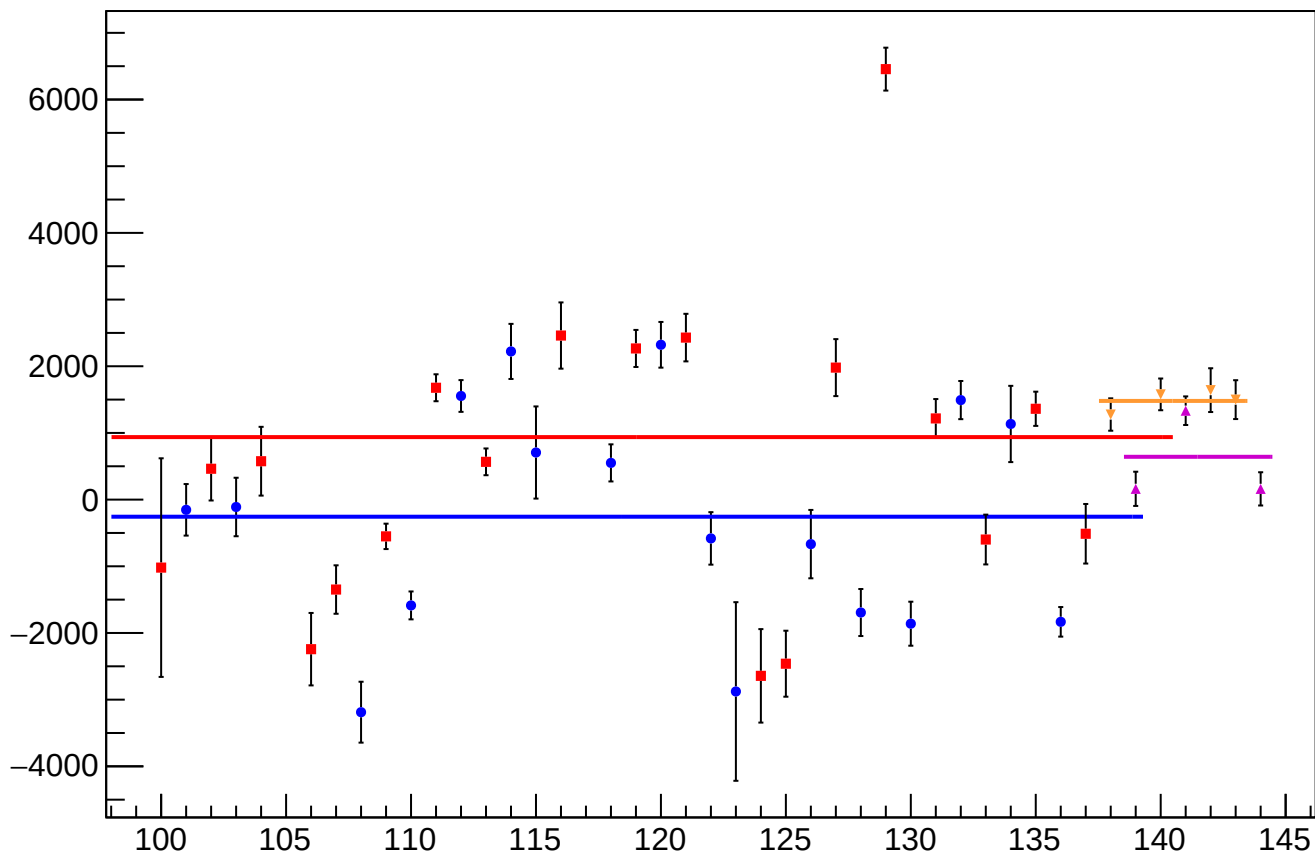
Left In: 182.674 $\pm$ 0.085 χ^2 /NDF: 23362.9/2

+ sign 193.654 $\pm$ 0.047 χ^2 /NDF: 922632.2/20

All: 187.024 $\pm$ 0.032 χ^2 /NDF: 2326055.1/42

- sign 181.178 $\pm$ 0.044 χ^2 /NDF: 1365629.5/21

asym_bpm0l09WS_mean vs Slug



Right In: -256.429 ± 81.594 χ^2/NDF : 381.8/16

Left Out: 1480.059 ± 133.999 χ^2/NDF : 1.1/3

Right Out: 937.482 ± 74.168 χ^2/NDF : 609.1/18

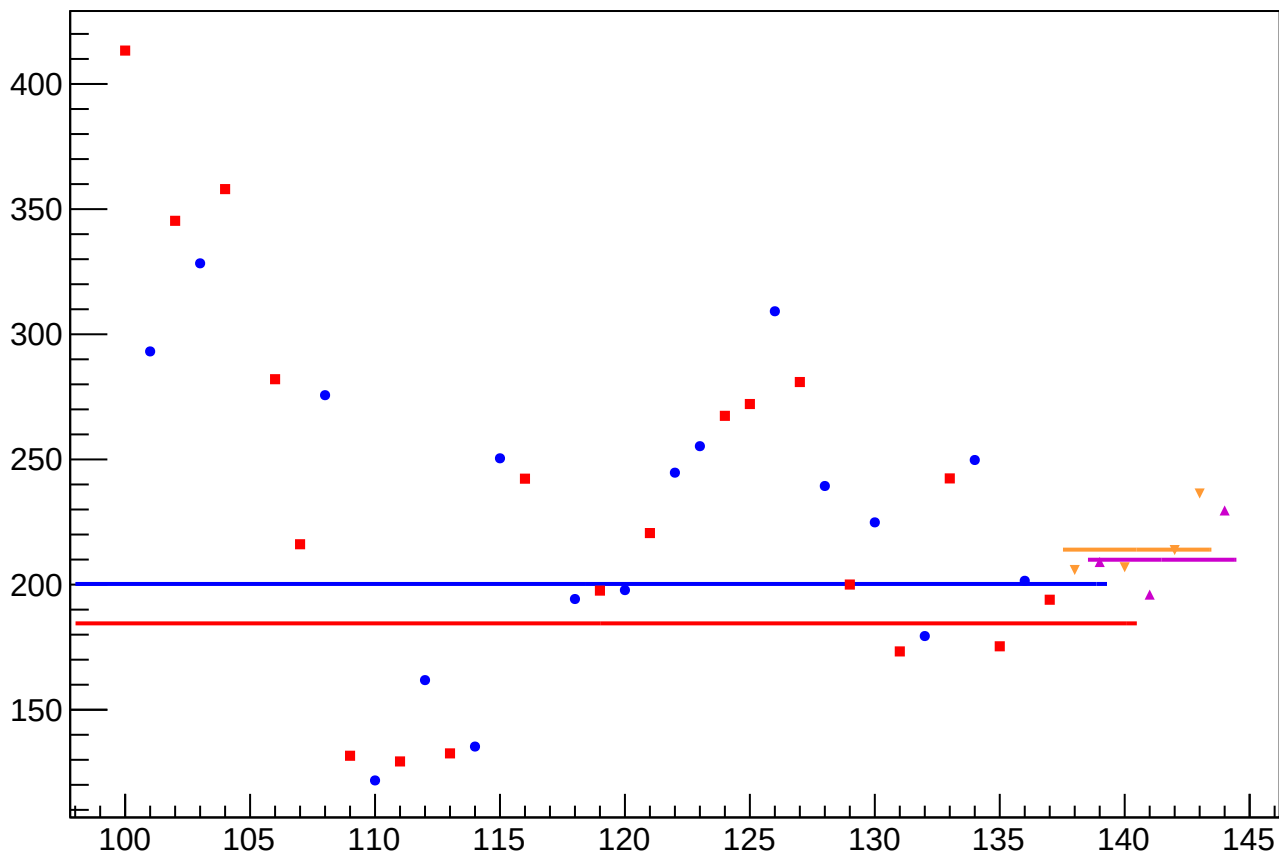
Left In: 642.126 ± 137.317 χ^2/NDF : 17.6/2

+ sign 213.267 ± 69.690 χ^2/NDF : 505.5/20

All: 563.596 ± 47.634 χ^2/NDF : 1183.2/42

- sign 870.776 ± 65.258 χ^2/NDF : 630.3/21

asym_bpm0l09WS_rms vs Slug



Right In: 200.256+/-0.058 χ^2/NDF : 915910.1/16

Left Out: 213.969+/-0.095 χ^2/NDF : 15860.4/3

Right Out: 184.510+/-0.052 χ^2/NDF : 1314720.9/18

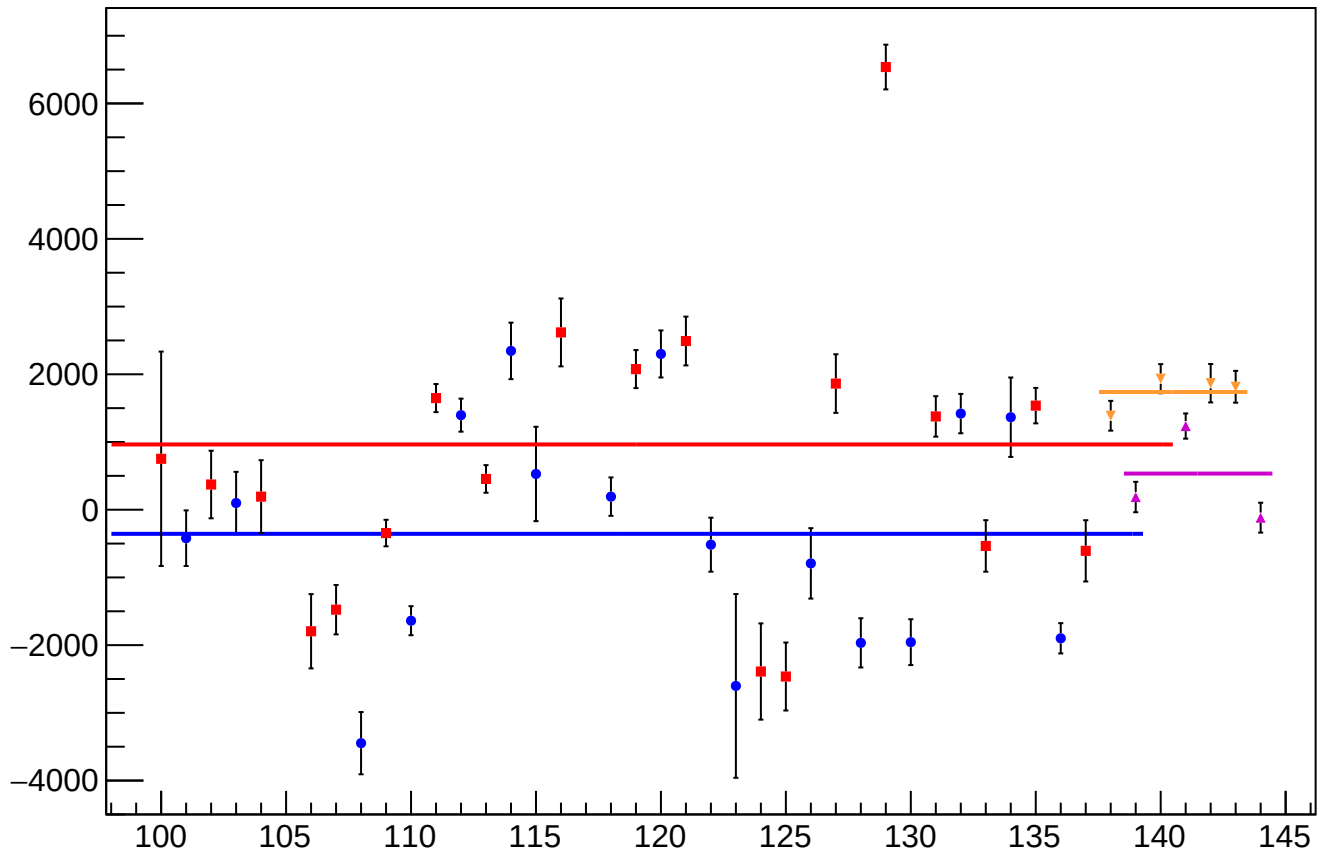
Left In: 209.933+/-0.097 χ^2/NDF : 20941.8/2

+ sign 203.965+/-0.049 χ^2/NDF : 947051.4/20

All: 196.658+/-0.034 χ^2/NDF : 2377051.3/42

- sign 190.251+/-0.046 χ^2/NDF : 1388737.0/21

asym_bpm0l10WS_mean vs Slug



Right In: -356.124 ± 83.321 $\chi^2/\text{NDF}: 378.6/16$

Left Out: 1738.633 ± 117.250 $\chi^2/\text{NDF}: 3.7/3$

Right Out: 963.743 ± 75.713 $\chi^2/\text{NDF}: 572.4/18$

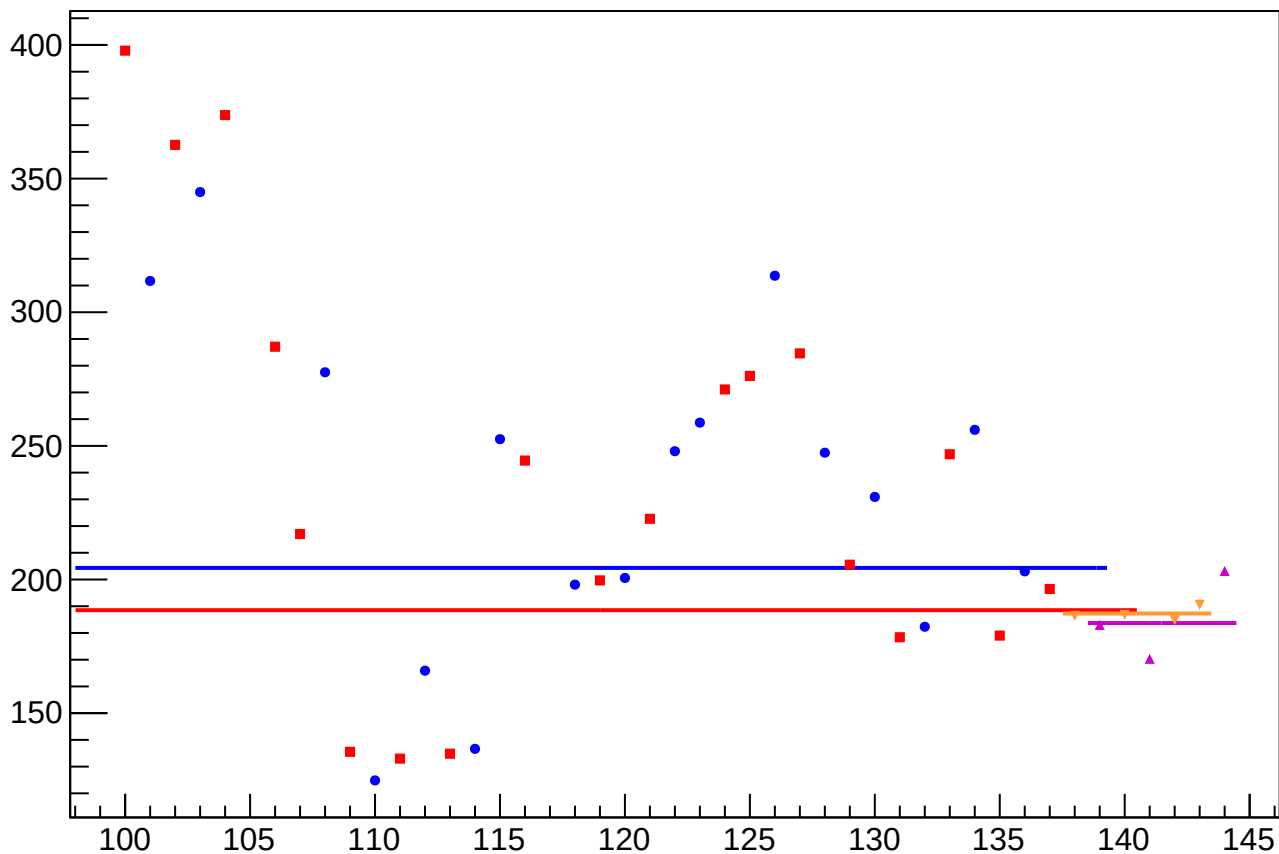
Left In: 533.797 ± 120.261 $\chi^2/\text{NDF}: 25.3/2$

+ sign 346.760 ± 67.919 $\chi^2/\text{NDF}: 594.4/20$

All: 608.640 ± 46.606 $\chi^2/\text{NDF}: 1229.3/42$

- sign 841.701 ± 64.073 $\chi^2/\text{NDF}: 606.8/21$

asym_bpm0l10WS_rms vs Slug



Right In: 204.343 $\pm$ 0.059 χ^2/NDF : 944923.9/16

Left Out: 187.265 $\pm$ 0.083 χ^2/NDF : 584.5/3

Right Out: 188.523 $\pm$ 0.054 χ^2/NDF : 1311109.8/18

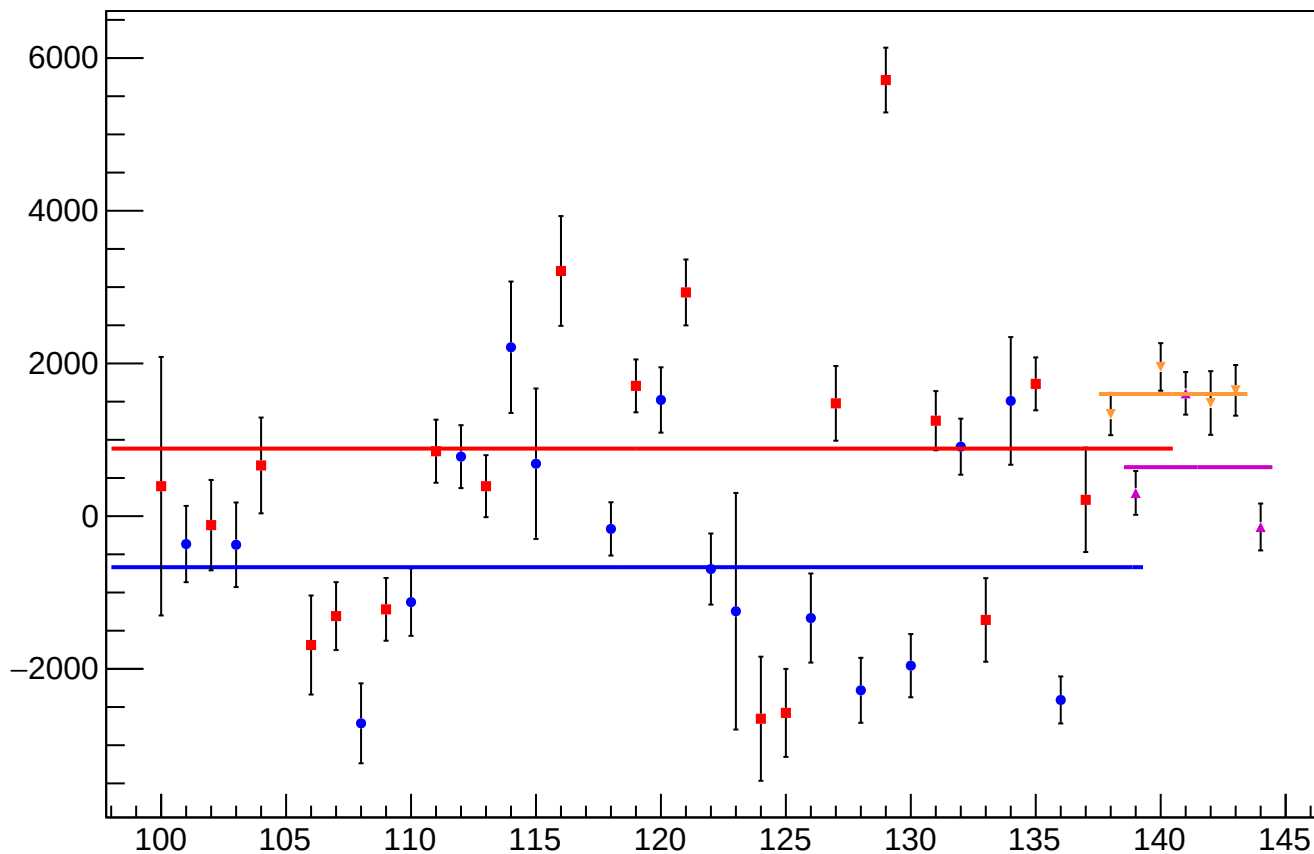
Left In: 183.717 $\pm$ 0.085 χ^2/NDF : 25888.8/2

+ sign 198.612 $\pm$ 0.048 χ^2/NDF : 973701.3/20

All: 192.552 $\pm$ 0.033 χ^2/NDF : 2343078.8/42

- sign 187.159 $\pm$ 0.045 χ^2/NDF : 1339286.0/21

asym_bpm0r03WS_mean vs Slug



Right In: -668.118 ± 114.189 χ^2/NDF : 153.3/16

Left Out: 1599.756 ± 161.816 χ^2/NDF : 2.3/3

Right Out: 884.858 ± 110.843 χ^2/NDF : 320.1/18

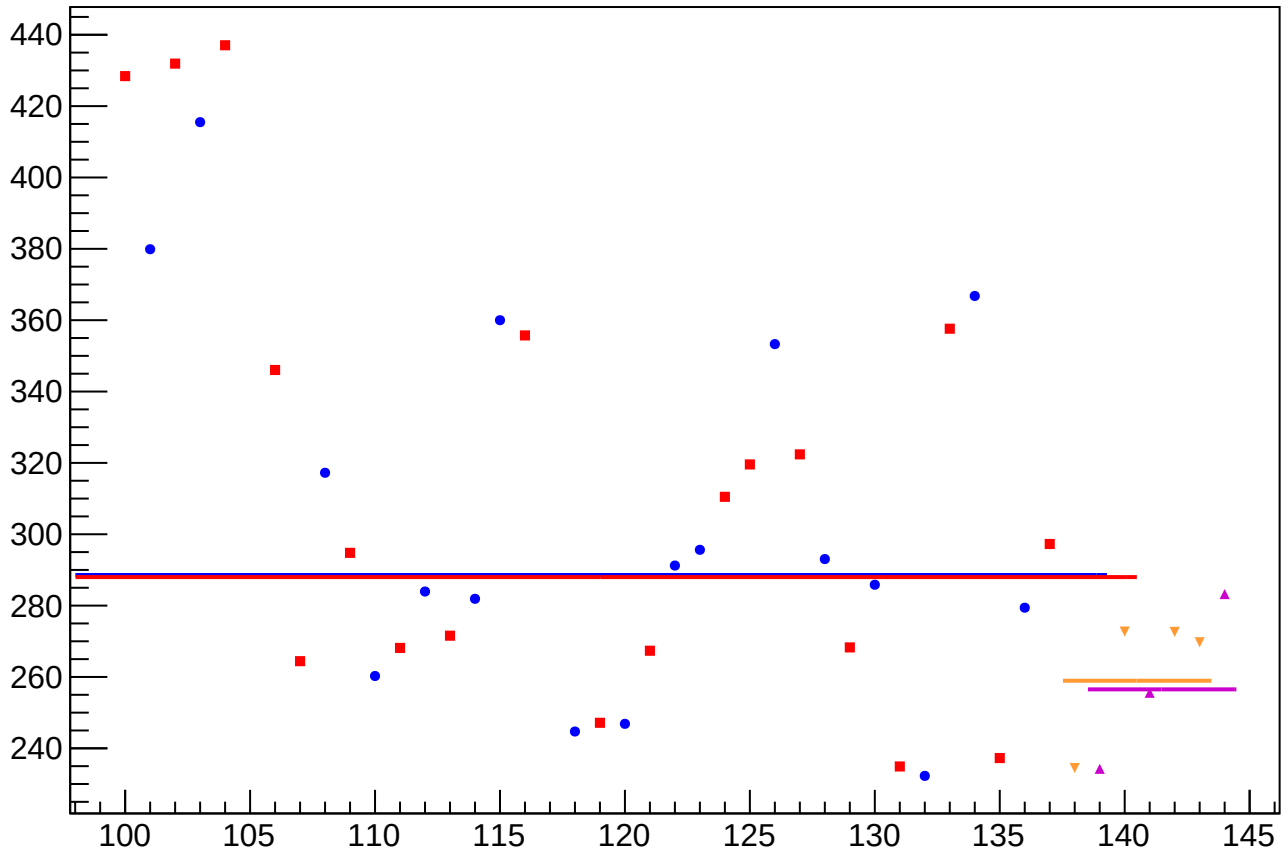
Left In: 641.927 ± 167.640 χ^2/NDF : 19.9/2

+ sign 85.795 ± 93.298 χ^2/NDF : 286.8/20

All: 451.652 ± 65.673 χ^2/NDF : 658.7/42

- sign 810.961 ± 92.460 χ^2/NDF : 341.5/21

asym_bpm0r03WS_rms vs Slug



Right In: 288.577 $\pm$ 0.081 χ^2 /NDF: 338793.1/16

Left Out: 258.946 $\pm$ 0.114 χ^2 /NDF: 23792.0/3

Right Out: 287.995 $\pm$ 0.078 χ^2 /NDF: 459962.0/18

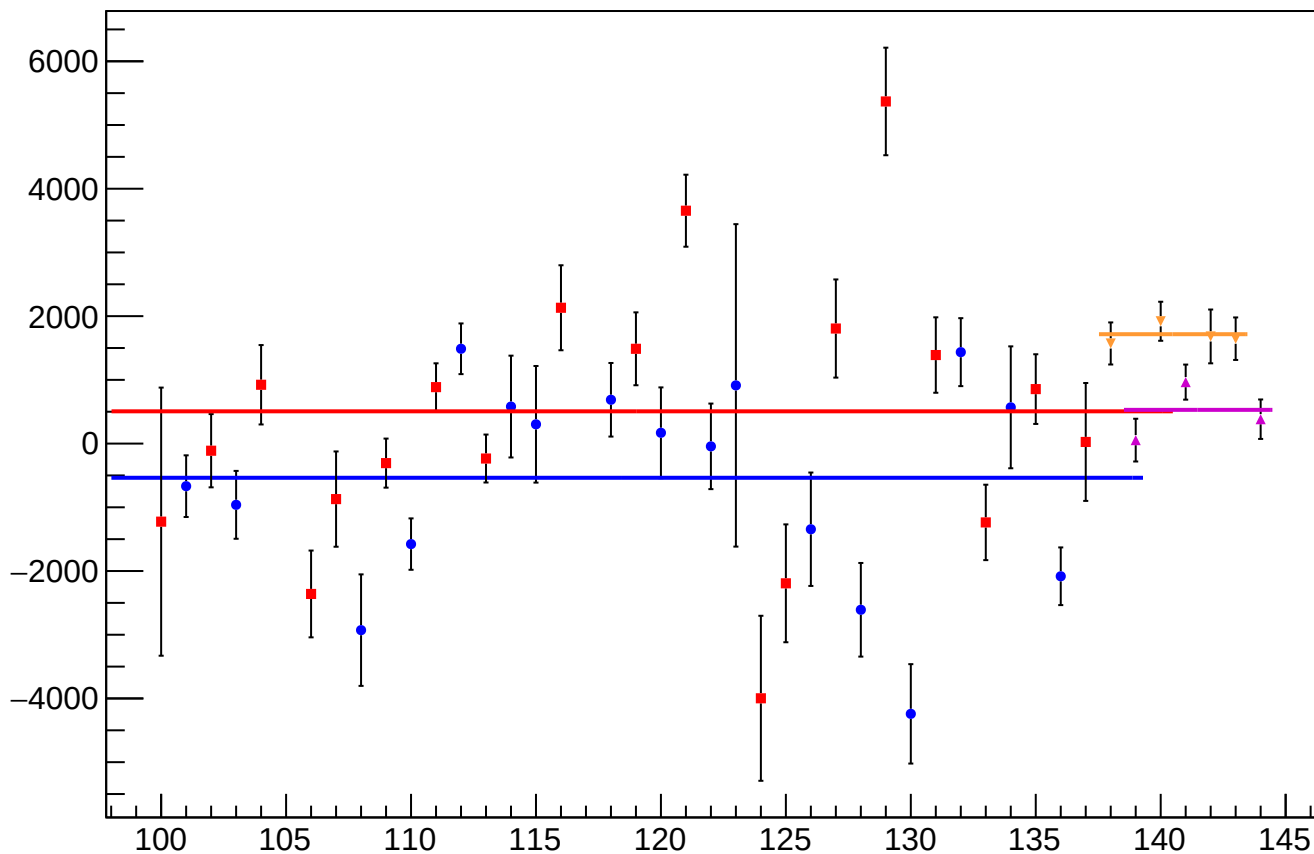
Left In: 256.522 $\pm$ 0.119 χ^2 /NDF: 27189.1/2

+ sign 278.726 $\pm$ 0.066 χ^2 /NDF: 407353.7/20

All: 278.572 $\pm$ 0.046 χ^2 /NDF: 943565.0/42

- sign 278.421 $\pm$ 0.065 χ^2 /NDF: 536200.5/21

asym_bpm0r05WS_mean vs Slug



Right In: -536.568+/-147.571 χ^2/NDF : 107.9/16

Left Out: 1716.729+/-170.430 χ^2/NDF : 0.7/3

Right Out: 506.373+/-135.761 χ^2/NDF : 140.9/18

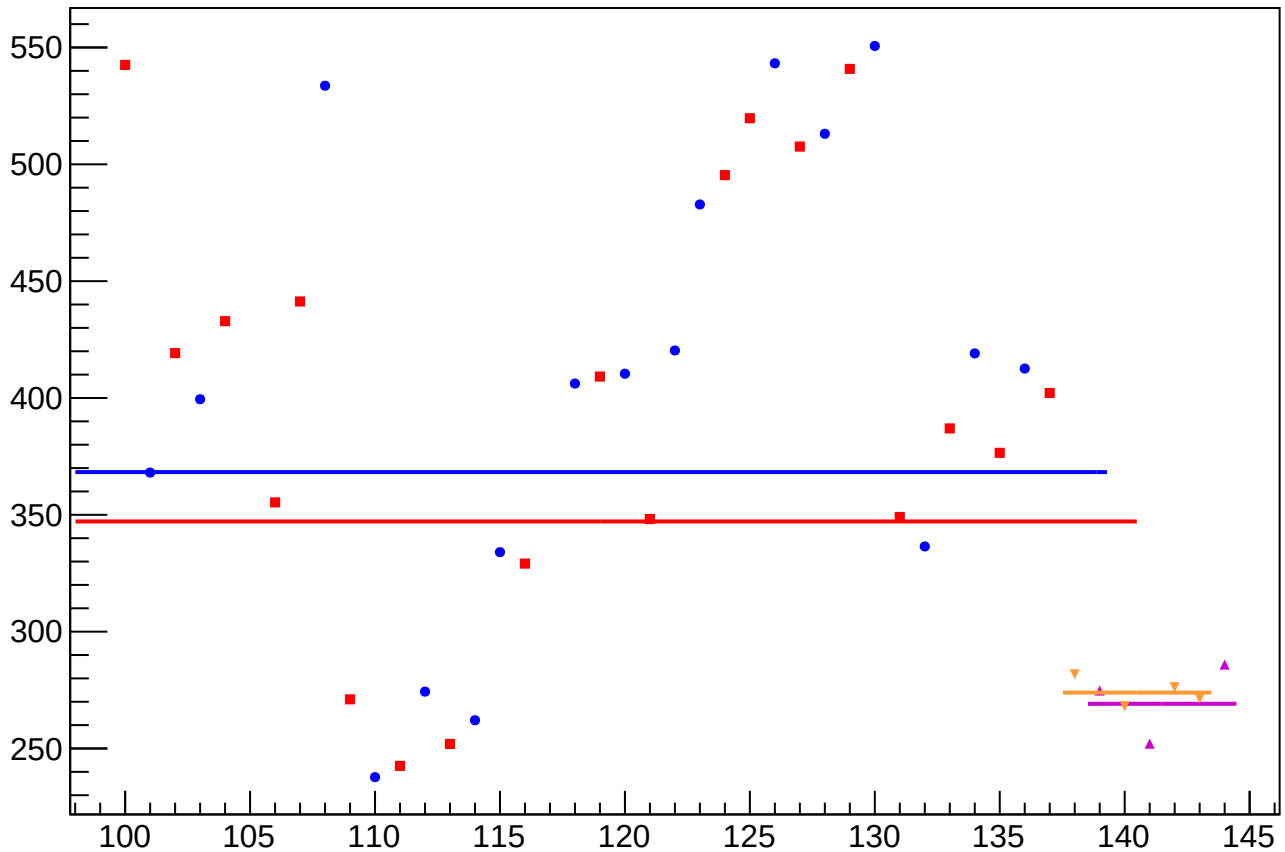
Left In: 529.311+/-175.363 χ^2/NDF : 4.7/2

+ sign 428.937+/-111.562 χ^2/NDF : 208.5/20

All: 473.607+/-77.354 χ^2/NDF : 354.4/42

- sign 514.968+/-107.351 χ^2/NDF : 145.7/21

asym_bpm0r05WS_rms vs Slug



Right In: 368.287 ± 0.104 χ^2/NDF : 765418.4/16

Left Out: 273.918 ± 0.121 χ^2/NDF : 2020.6/3

Right Out: 347.159 ± 0.096 χ^2/NDF : 816304.3/18

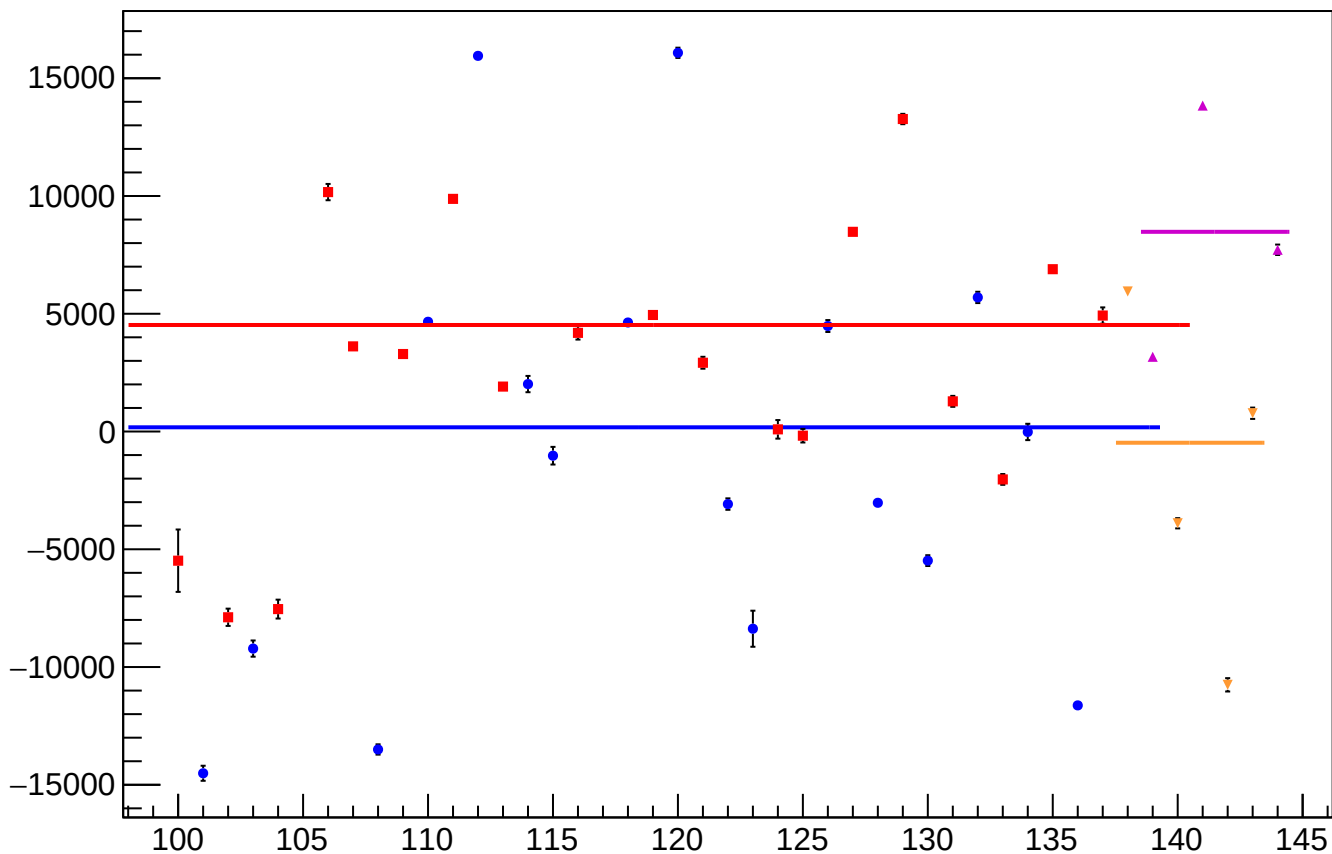
Left In: 269.130 ± 0.124 χ^2/NDF : 14115.3/2

+ sign 327.851 ± 0.079 χ^2/NDF : 1117890.5/20

All: 322.694 ± 0.055 χ^2/NDF : 2204127.9/42

- sign 317.918 ± 0.076 χ^2/NDF : 1078004.0/21

asym_bpm0i02WS_mean vs Slug



Right In: 178.788+/-54.896 χ^2/NDF : 30662.2/16

Left Out: -476.656+/-112.710 χ^2/NDF : 2737.4/3

Right Out: 4523.222+/-52.440 χ^2/NDF : 7474.2/18

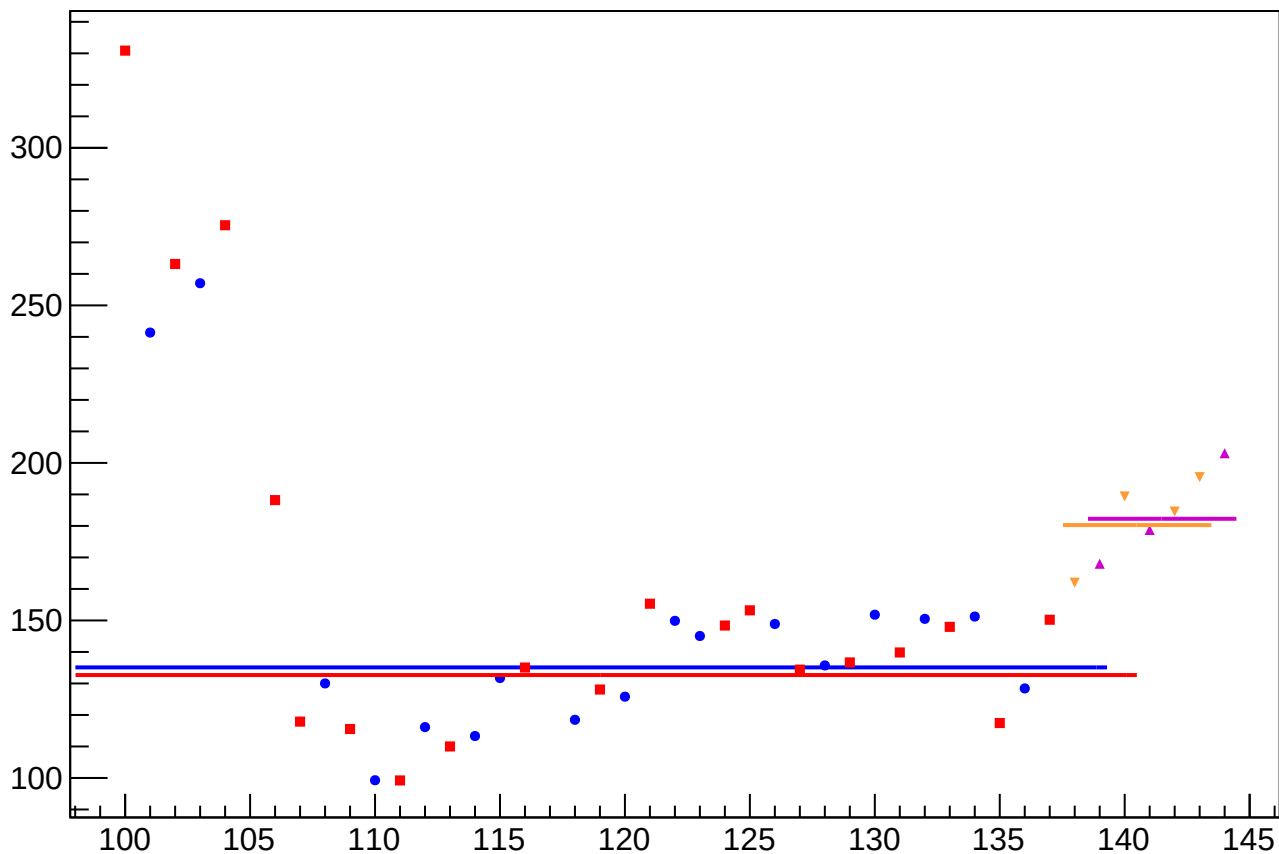
Left In: 8479.074+/-119.328 χ^2/NDF : 1425.3/2

+ sign 53.113+/-49.354 χ^2/NDF : 33426.9/20

All: 2678.918+/-34.413 χ^2/NDF : 48756.6/42

- sign 5163.535+/-48.008 χ^2/NDF : 9820.6/21

asym_bpm0i02WS_rms vs Slug



Right In: 135.099 $\pm$ 0.039 χ^2 /NDF: 657657.4/16

Left Out: 180.274 $\pm$ 0.080 χ^2 /NDF:30556.1/3

Right Out: 132.672 $\pm$ 0.037 χ^2 /NDF: 828363.1/18

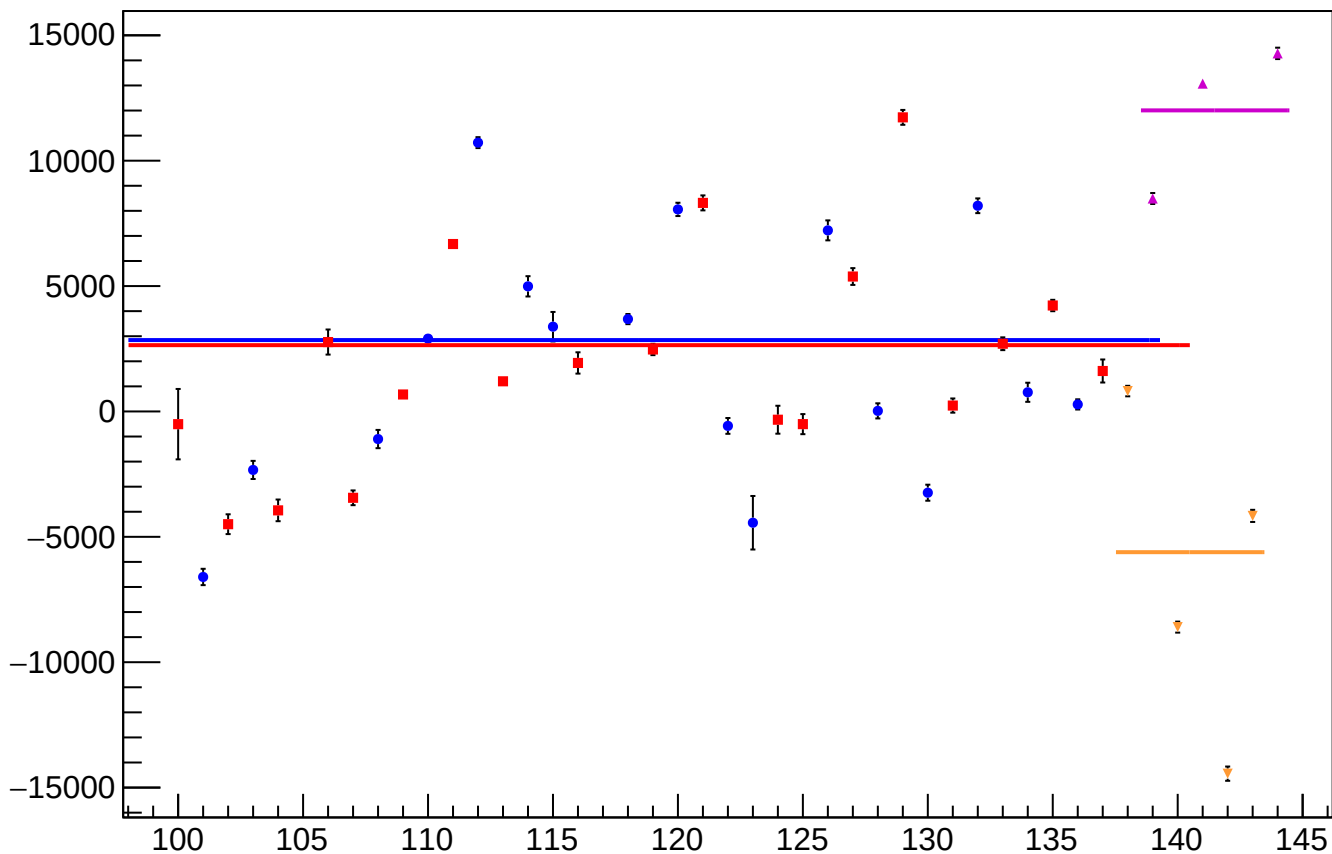
Left In: 182.265 $\pm$ 0.084 χ^2 /NDF:28018.7/2

+ sign 143.761 $\pm$ 0.035 χ^2 /NDF: 947911.3/20

All: 142.188 $\pm$ 0.024 χ^2 /NDF: 2097782.9/42

- sign 140.699 $\pm$ 0.034 χ^2 /NDF: 1145918.2/21

asym_bpm0i02aWS_mean vs Slug



Right In: 2846.117+/-70.894 χ^2/NDF : 4160.1/16

Left Out: -5611.836+/-117.115 χ^2/NDF :2125.5/3

Right Out: 2643.505+/-65.711 χ^2/NDF : 3177.7/18

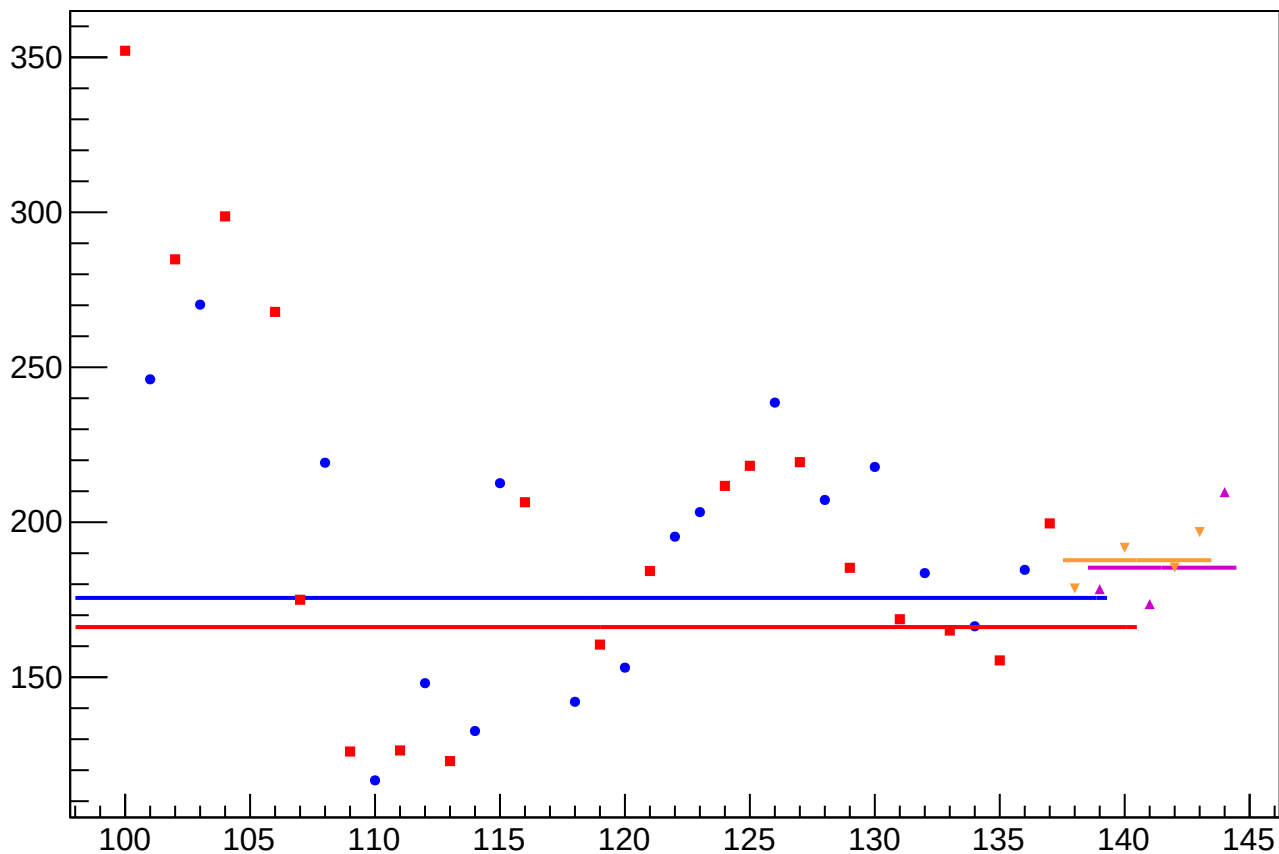
Left In: 12006.300+/-121.239 χ^2/NDF :390.0/2

+ sign 577.963+/-60.648 χ^2/NDF : 10102.5/20

All: 2775.442+/-41.830 χ^2/NDF : 20784.0/42

- sign 4769.400+/-57.771 χ^2/NDF : 8177.3/21

asym_bpm0i02aWS_rms vs Slug



Right In: 175.582 $\pm$ 0.050 χ^2 /NDF: 687852.4/16

Left Out: 187.753 $\pm$ 0.083 χ^2 /NDF: 7392.3/3

Right Out: 166.180 $\pm$ 0.046 χ^2 /NDF: 925559.0/18

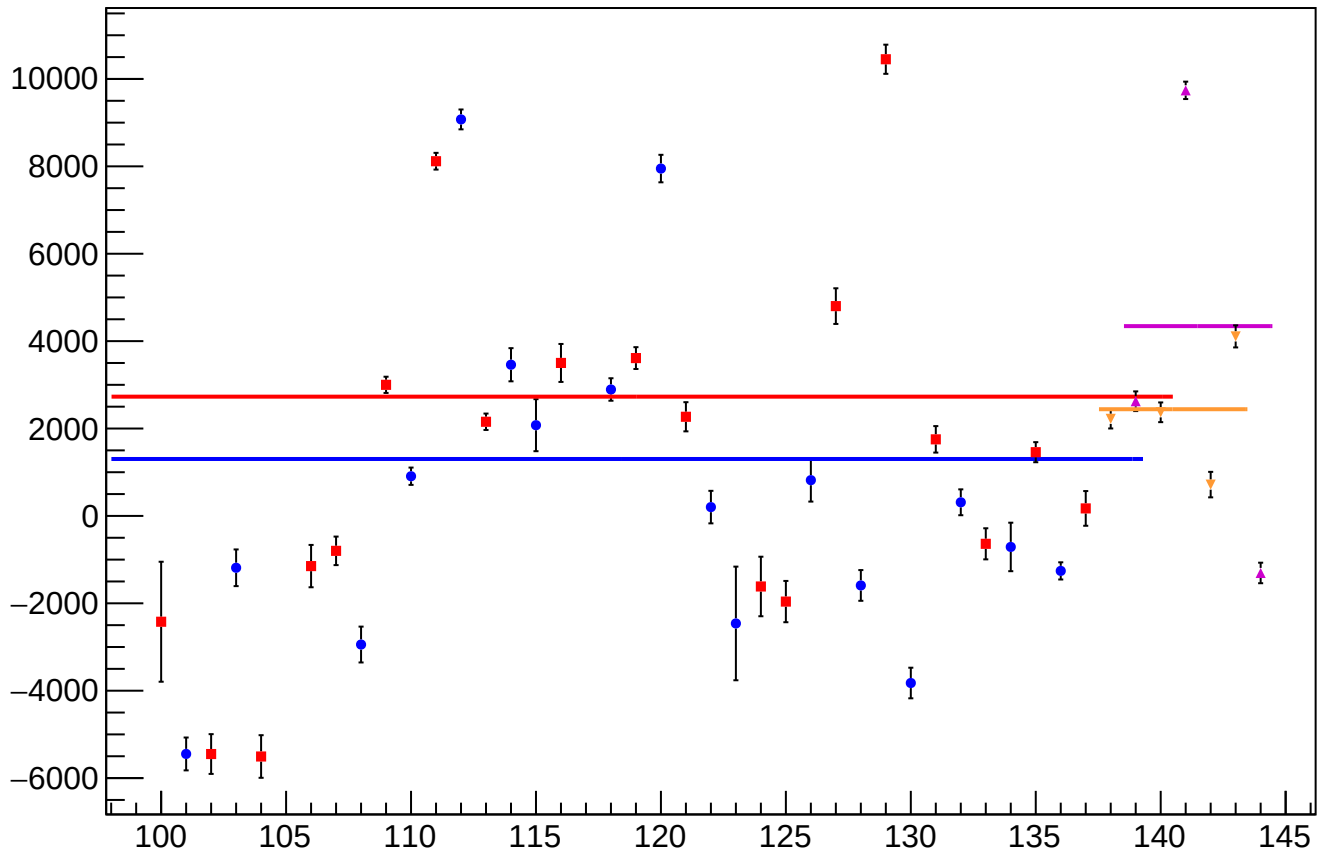
Left In: 185.335 $\pm$ 0.086 χ^2 /NDF: 32624.5/2

+ sign 178.846 $\pm$ 0.043 χ^2 /NDF: 711052.9/20

All: 174.486 $\pm$ 0.030 χ^2 /NDF: 1727540.0/42

- sign 170.529 $\pm$ 0.041 χ^2 /NDF: 996770.1/21

asym_bpm0i05WS_mean vs Slug



Right In: 1302.950+/-77.323 χ^2/NDF : 2649.9/16

Left Out: 2441.628+/-121.521 χ^2/NDF : 79.7/3

Right Out: 2729.355+/-70.012 χ^2/NDF : 2497.2/18

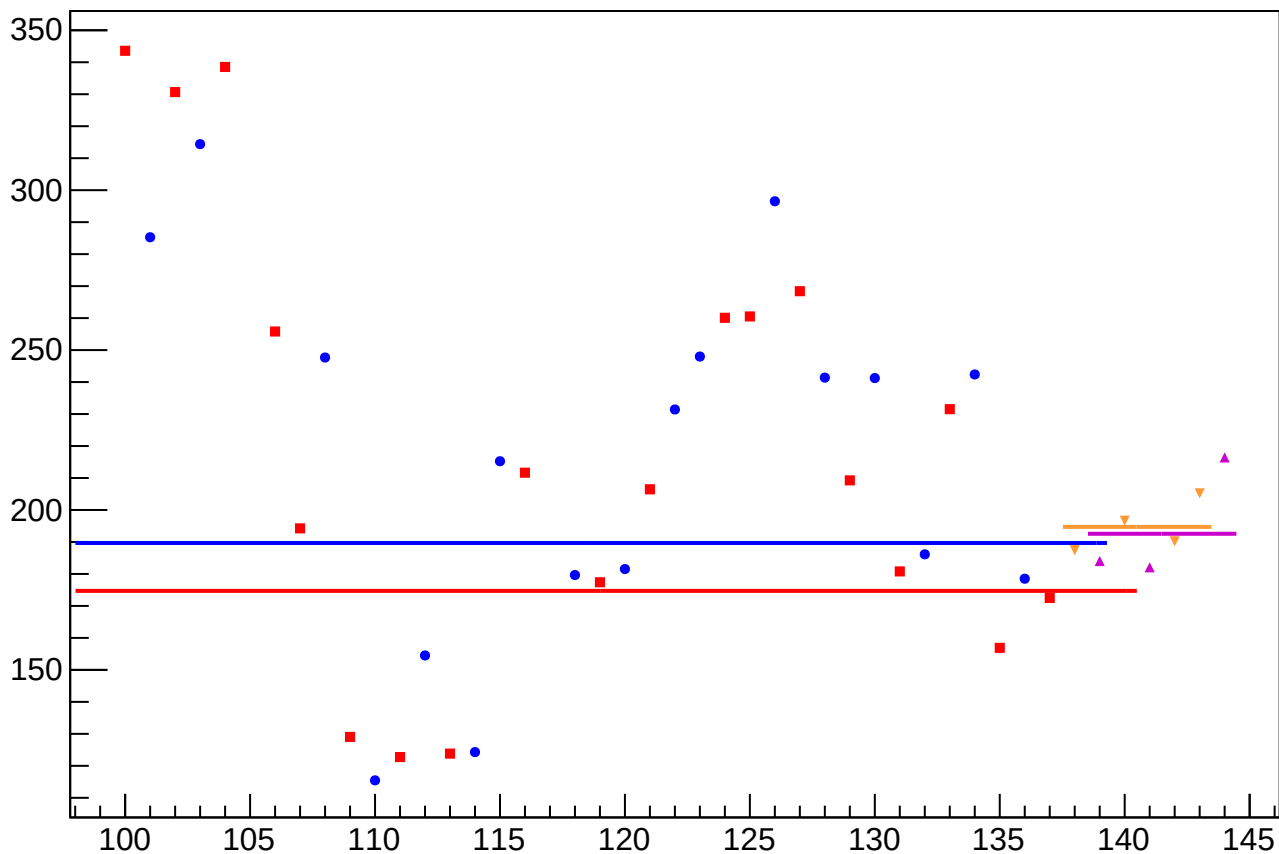
Left In: 4343.484+/-125.923 χ^2/NDF : 1371.6/2

+ sign 1631.105+/-65.237 χ^2/NDF : 2792.0/20

All: 2418.105+/-44.630 χ^2/NDF : 7059.9/42

- sign 3110.496+/-61.190 χ^2/NDF : 3994.3/21

asym_bpm0i05WS_rms vs Slug



Right In: 189.687 $\pm$ 0.055 χ^2/NDF : 977199.2/16

Left Out: 194.709 $\pm$ 0.086 χ^2/NDF : 6254.3/3

Right Out: 174.707 $\pm$ 0.050 χ^2/NDF : 1291115.5/18

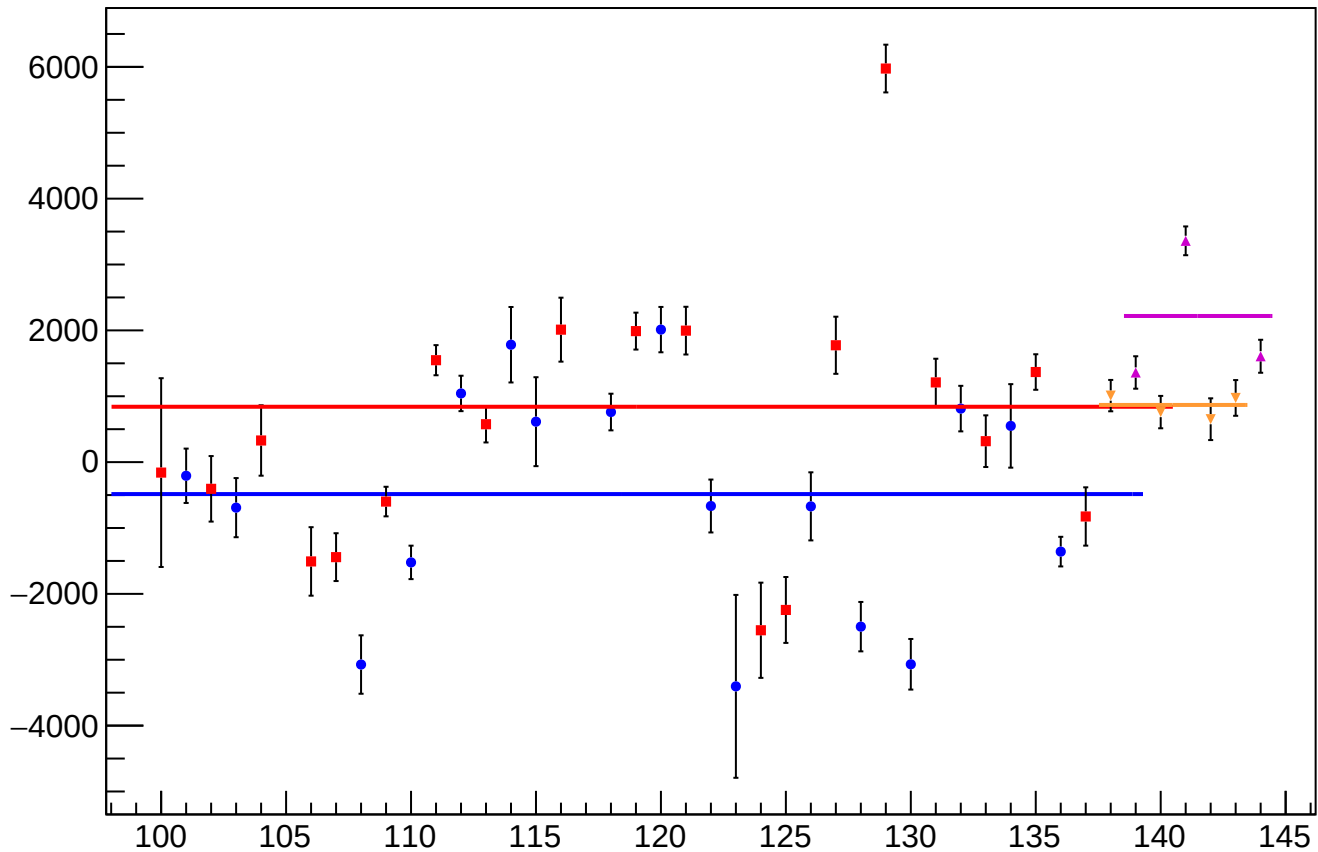
Left In: 192.562 $\pm$ 0.089 χ^2/NDF : 29059.4/2

+ sign 191.134 $\pm$ 0.046 χ^2/NDF : 985885.2/20

All: 184.638 $\pm$ 0.032 χ^2/NDF : 2374056.5/42

- sign 178.923 $\pm$ 0.043 χ^2/NDF : 1350891.9/21

asym_bpm0i07WS_mean vs Slug



Right In: -485.036 ± 88.788 χ^2/NDF : 285.3/16

Left Out: 868.015 ± 131.575 χ^2/NDF : 1.2/3

Right Out: 840.594 ± 82.233 χ^2/NDF : 438.2/18

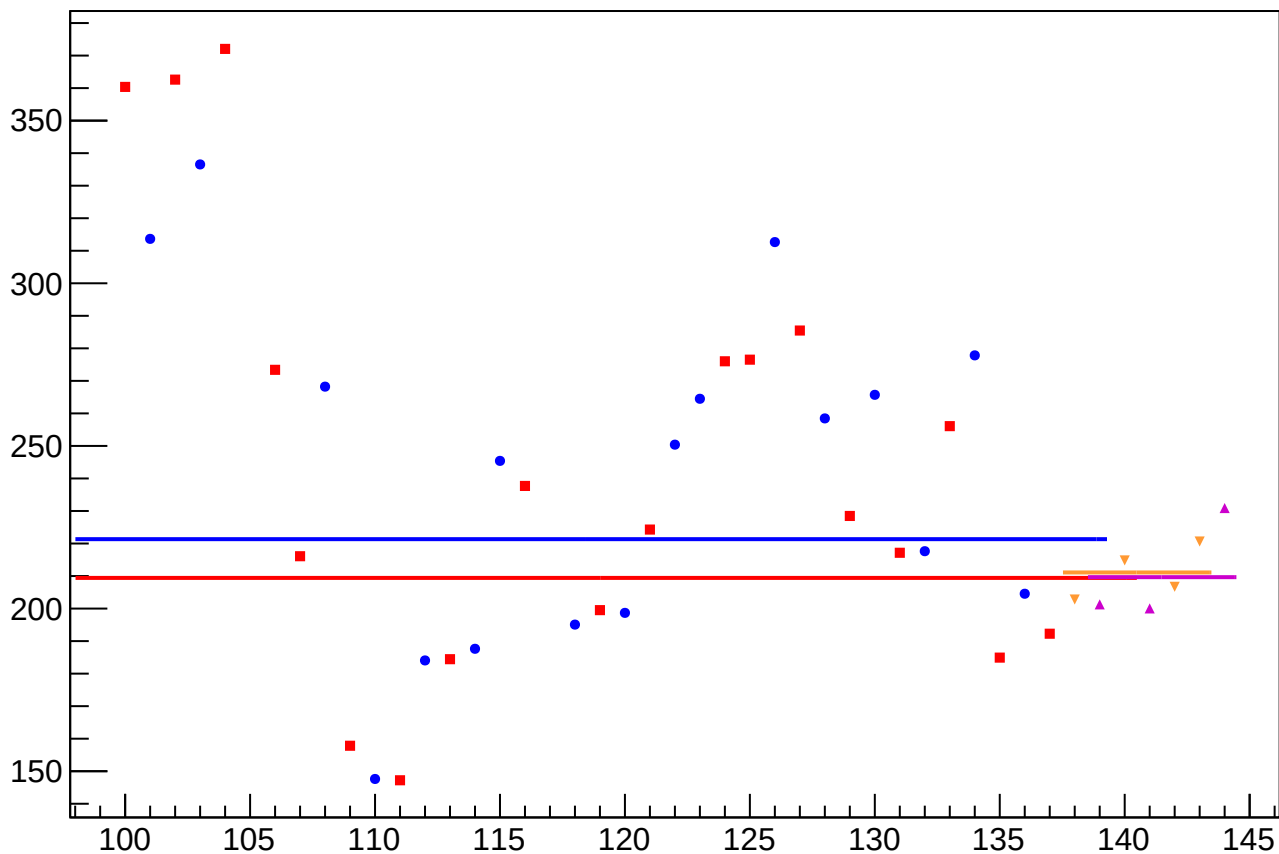
Left In: 2218.625 ± 136.845 χ^2/NDF : 45.4/2

+ sign -61.678 ± 73.599 χ^2/NDF : 359.1/20

All: 599.635 ± 50.906 χ^2/NDF : 1072.0/42

- sign 1206.185 ± 70.485 χ^2/NDF : 558.1/21

asym_bpm0i07WS_rms vs Slug



Right In: 221.339 $\pm$ 0.063 χ^2 /NDF: 645507.4/16

Left Out: 211.105 $\pm$ 0.093 χ^2 /NDF: 5745.0/3

Right Out: 209.428 $\pm$ 0.058 χ^2 /NDF: 879292.0/18

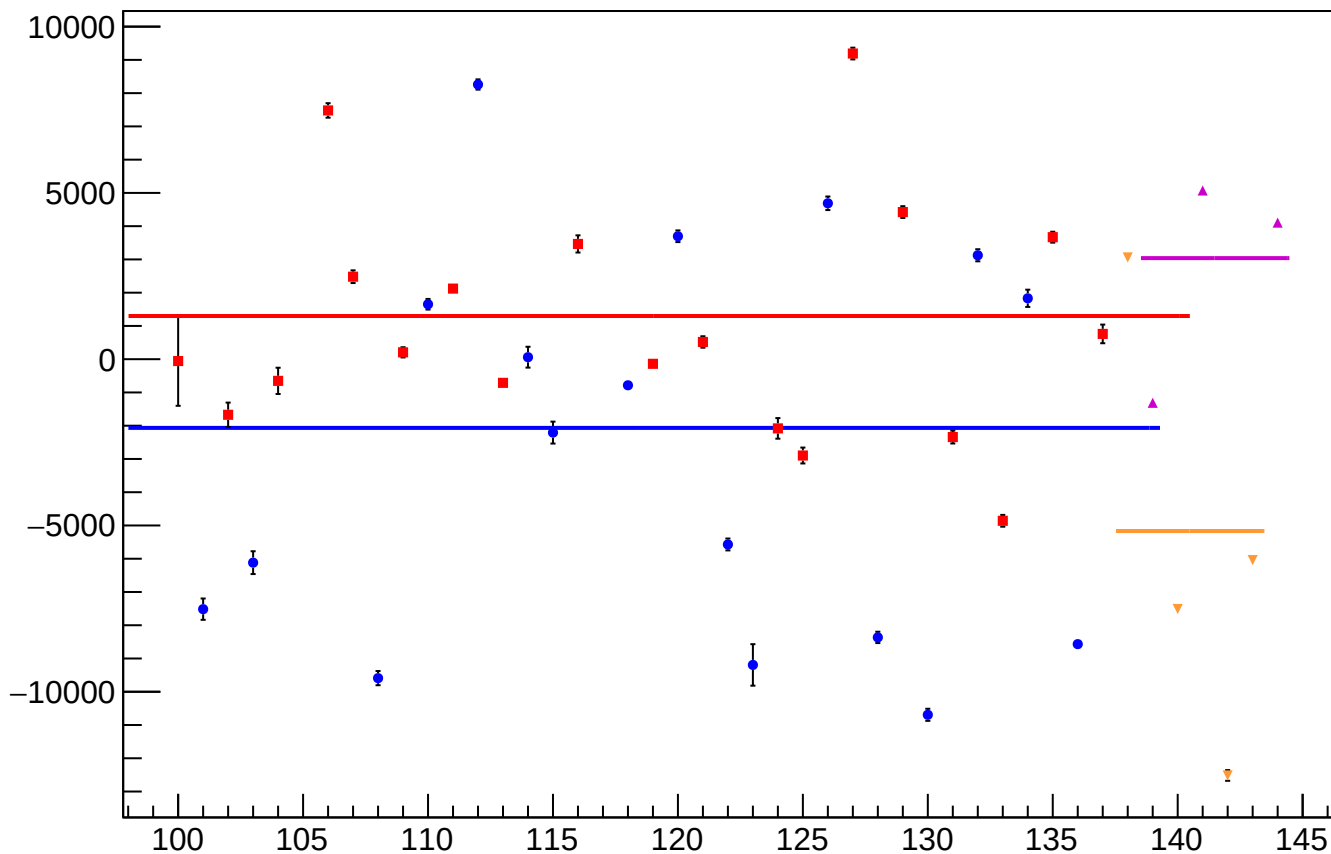
Left In: 209.656 $\pm$ 0.097 χ^2 /NDF: 20582.7/2

+ sign 218.137 $\pm$ 0.052 χ^2 /NDF: 659566.6/20

All: 213.626 $\pm$ 0.036 χ^2 /NDF: 1573850.1/42

- sign 209.488 $\pm$ 0.050 χ^2 /NDF: 899878.8/21

asym_bpm1i02WS_mean vs Slug



Right In: -2065.524 ± 47.407 $\chi^2/\text{NDF}: 16535.7/16$

Left Out: -5166.521 ± 66.412 $\chi^2/\text{NDF}: 6539.1/3$

Right Out: 1298.632 ± 44.980 $\chi^2/\text{NDF}: 5909.5/18$

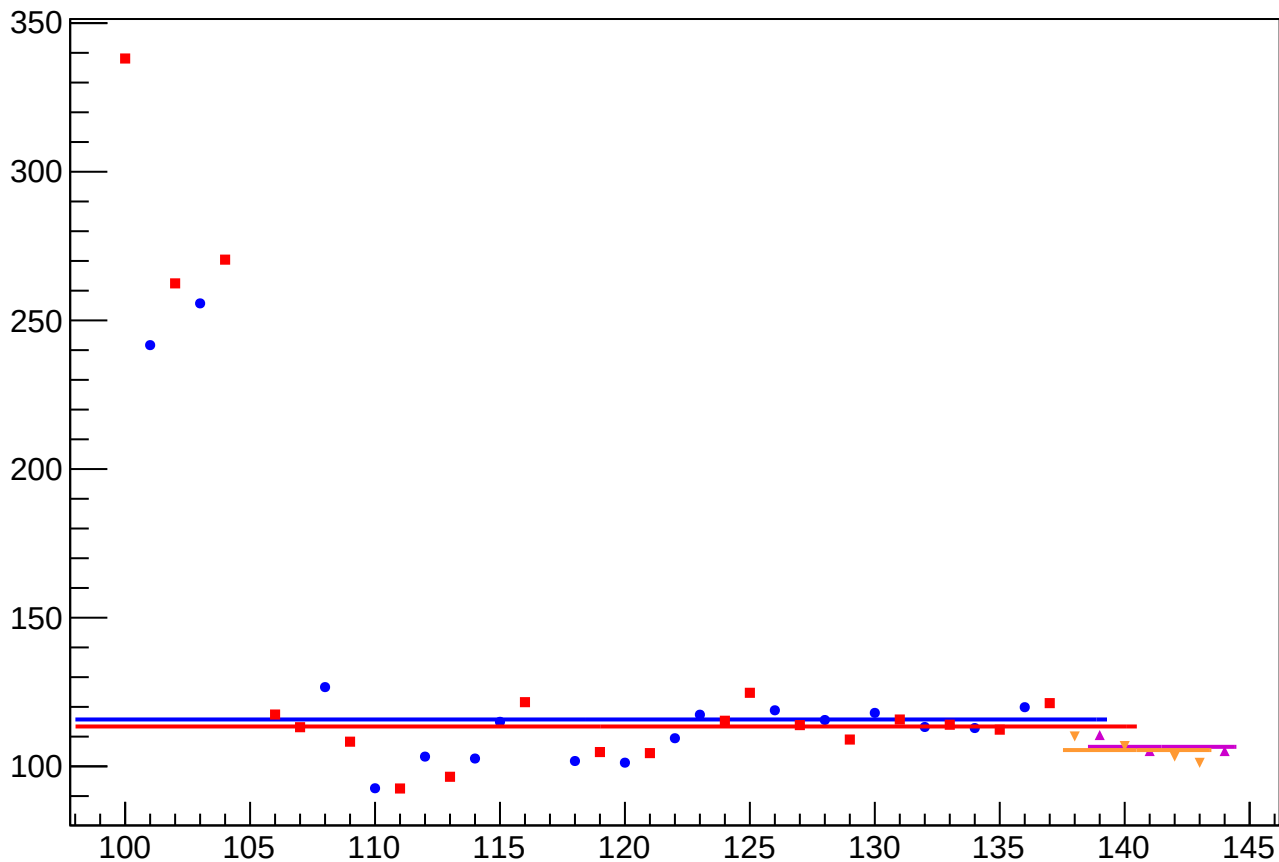
Left In: 3039.308 ± 70.162 $\chi^2/\text{NDF}: 1402.6/2$

+ sign -3112.263 ± 38.585 $\chi^2/\text{NDF}: 24519.1/20$

All: -607.117 ± 27.026 $\chi^2/\text{NDF}: 40542.5/42$

- sign 1805.656 ± 37.867 $\chi^2/\text{NDF}: 7748.3/21$

asym_bpm1i02WS_rms vs Slug



Right In: 115.768 $\pm$ 0.034 χ^2 /NDF: 743657.8/16

Left Out: 105.478 $\pm$ 0.047 χ^2 /NDF: 5464.3/3

Right Out: 113.410 $\pm$ 0.032 χ^2 /NDF: 795303.3/18

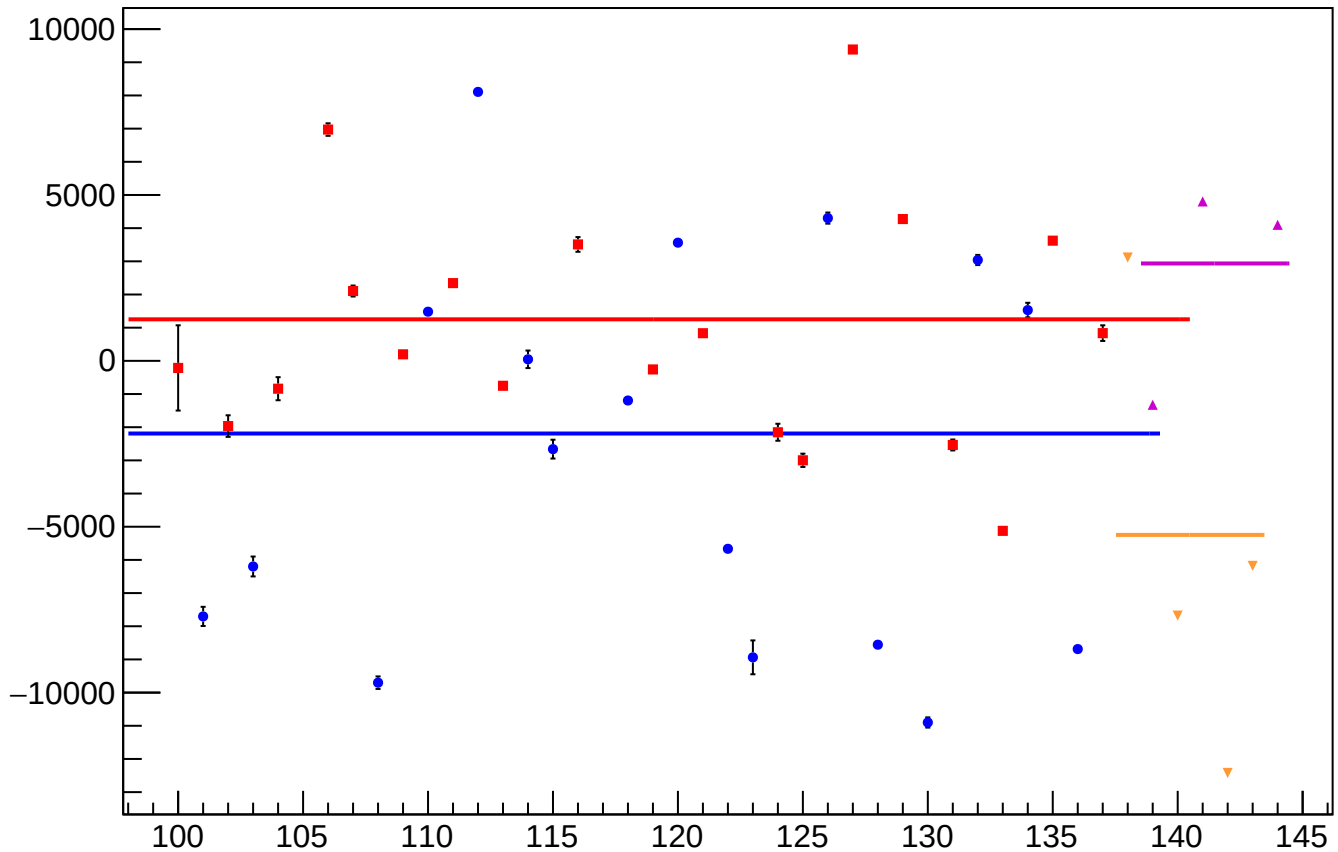
Left In: 106.564 $\pm$ 0.050 χ^2 /NDF: 2278.6/2

+ sign 112.294 $\pm$ 0.027 χ^2 /NDF: 780926.2/20

All: 111.847 $\pm$ 0.019 χ^2 /NDF: 1592532.1/42

- sign 111.416 $\pm$ 0.027 χ^2 /NDF: 811077.7/21

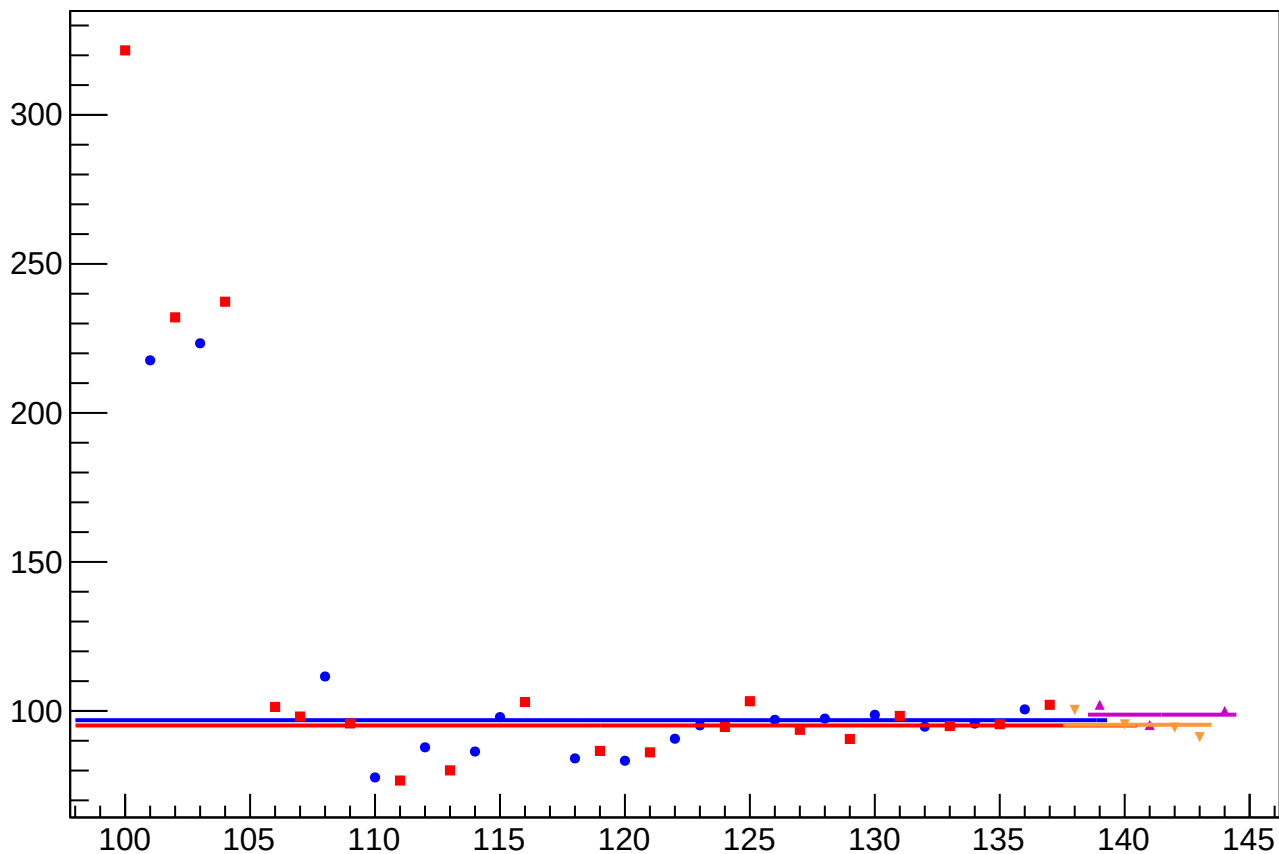
asym_bpm1i04WS_mean vs Slug



+ sign -3126.438 ± 33.321 $\chi^2/\text{NDF}: 32518.1/20$

- sign 1680.094 ± 32.844 $\chi^2/\text{NDF}: 10639.5/21$

asym_bpm1i04WS_rms vs Slug



Right In: 96.898 $\pm$ 0.028 χ^2 /NDF: 817255.1/16

Left Out: 95.355 $\pm$ 0.043 χ^2 /NDF: 6358.8/3

Right Out: 95.130 $\pm$ 0.027 χ^2 /NDF: 858457.3/18

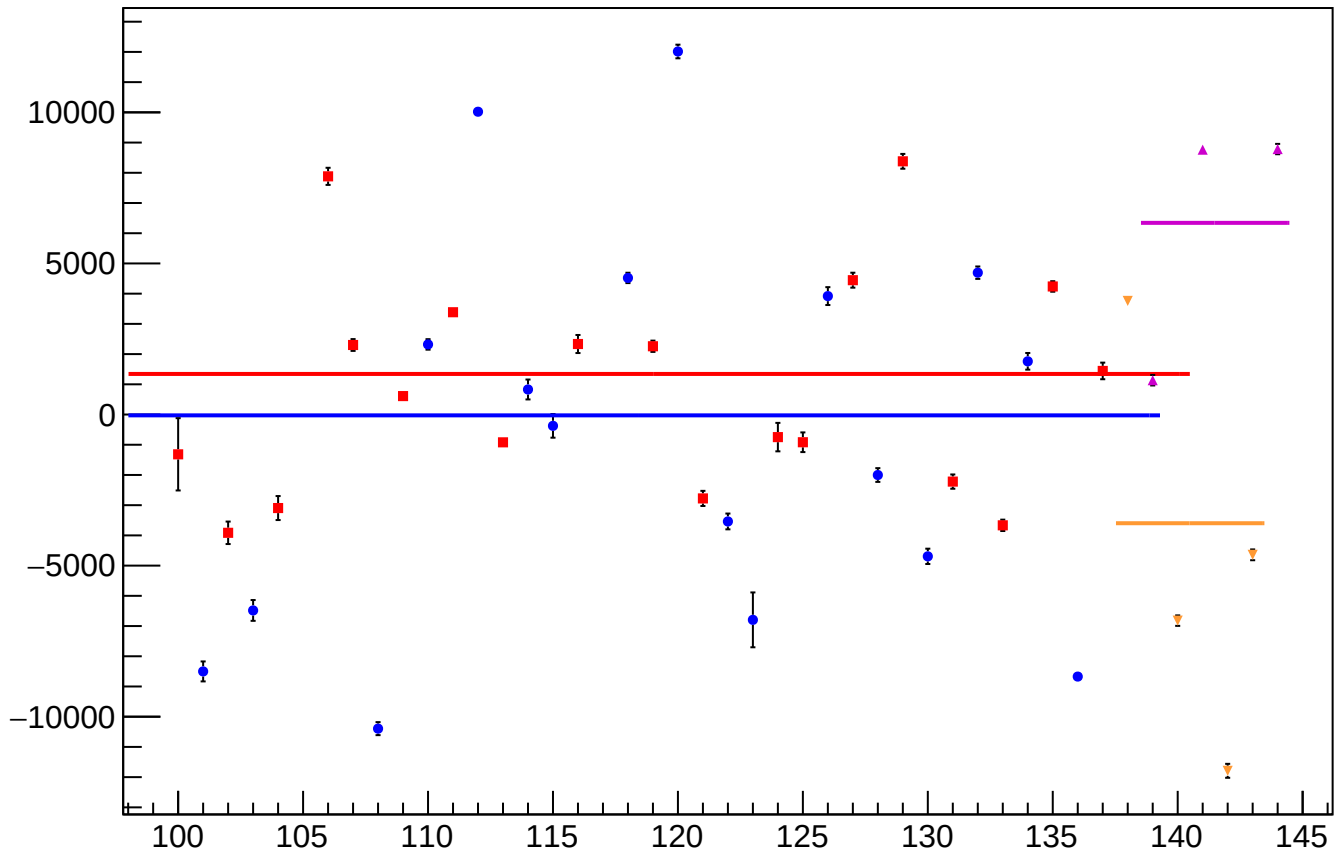
Left In: 98.752 $\pm$ 0.046 χ^2 /NDF: 3816.5/2

+ sign 96.426 $\pm$ 0.024 χ^2 /NDF: 824525.3/20

All: 96.235 $\pm$ 0.017 χ^2 /NDF: 1691538.2/42

- sign 96.050 $\pm$ 0.023 χ^2 /NDF: 866884.0/21

asym_bpm1i06WS_mean vs Slug



Right In: -27.457 ± 54.732 $\chi^2/\text{NDF}: 16364.6/16$

Left Out: -3597.192 ± 90.103 $\chi^2/\text{NDF}: 3800.2/3$

Right Out: 1343.122 ± 52.343 $\chi^2/\text{NDF}: 3846.7/18$

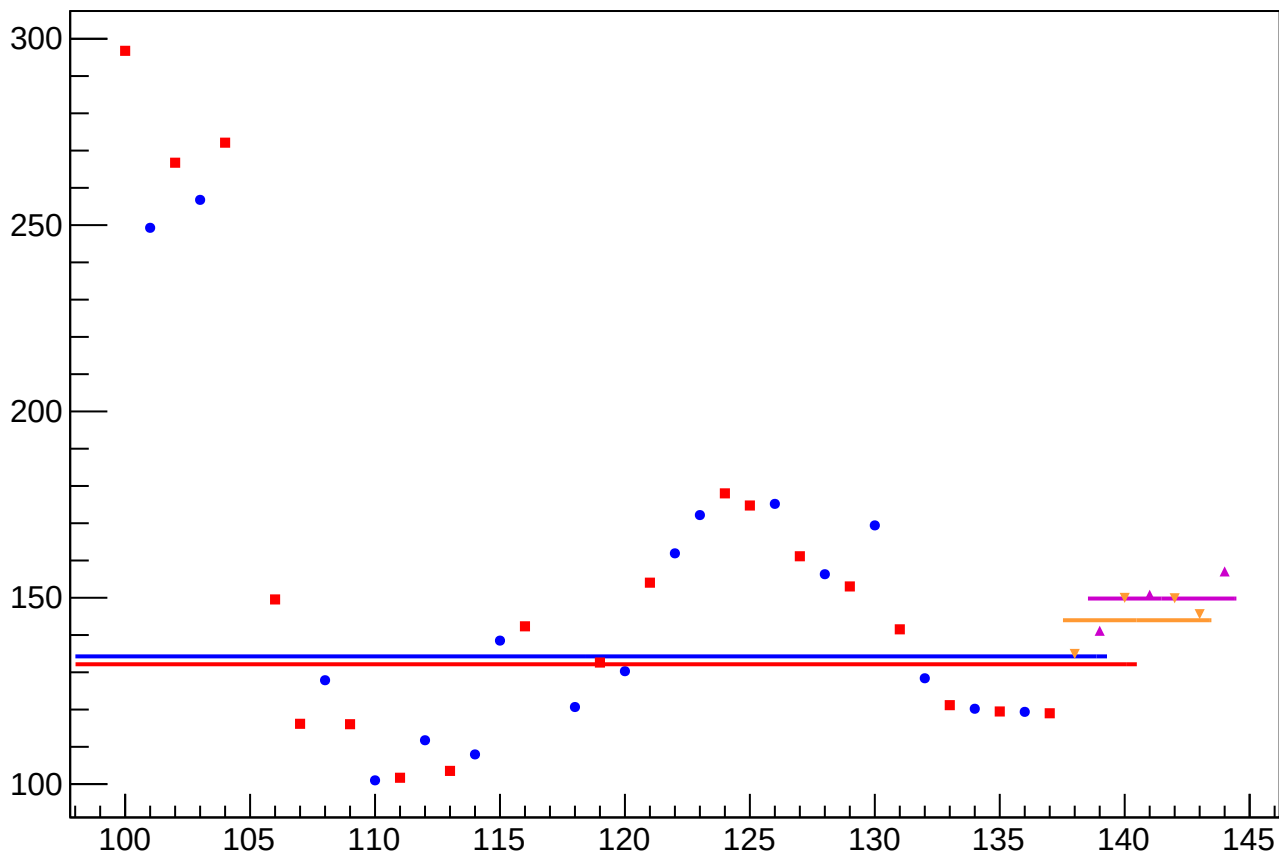
Left In: 6343.116 ± 98.131 $\chi^2/\text{NDF}: 1315.0/2$

+ sign -989.607 ± 46.778 $\chi^2/\text{NDF}: 21311.4/20$

All: 752.493 ± 32.865 $\chi^2/\text{NDF}: 31233.0/42$

- sign 2450.611 ± 46.184 $\chi^2/\text{NDF}: 7182.8/21$

asym_bpm1i06WS_rms vs Slug



Right In: 134.270 $\pm$ 0.039 χ^2 /NDF: 787098.5/16

Left Out: 143.969 $\pm$ 0.064 χ^2 /NDF:10399.7/3

Right Out: 132.155 $\pm$ 0.037 χ^2 /NDF: 865020.1/18

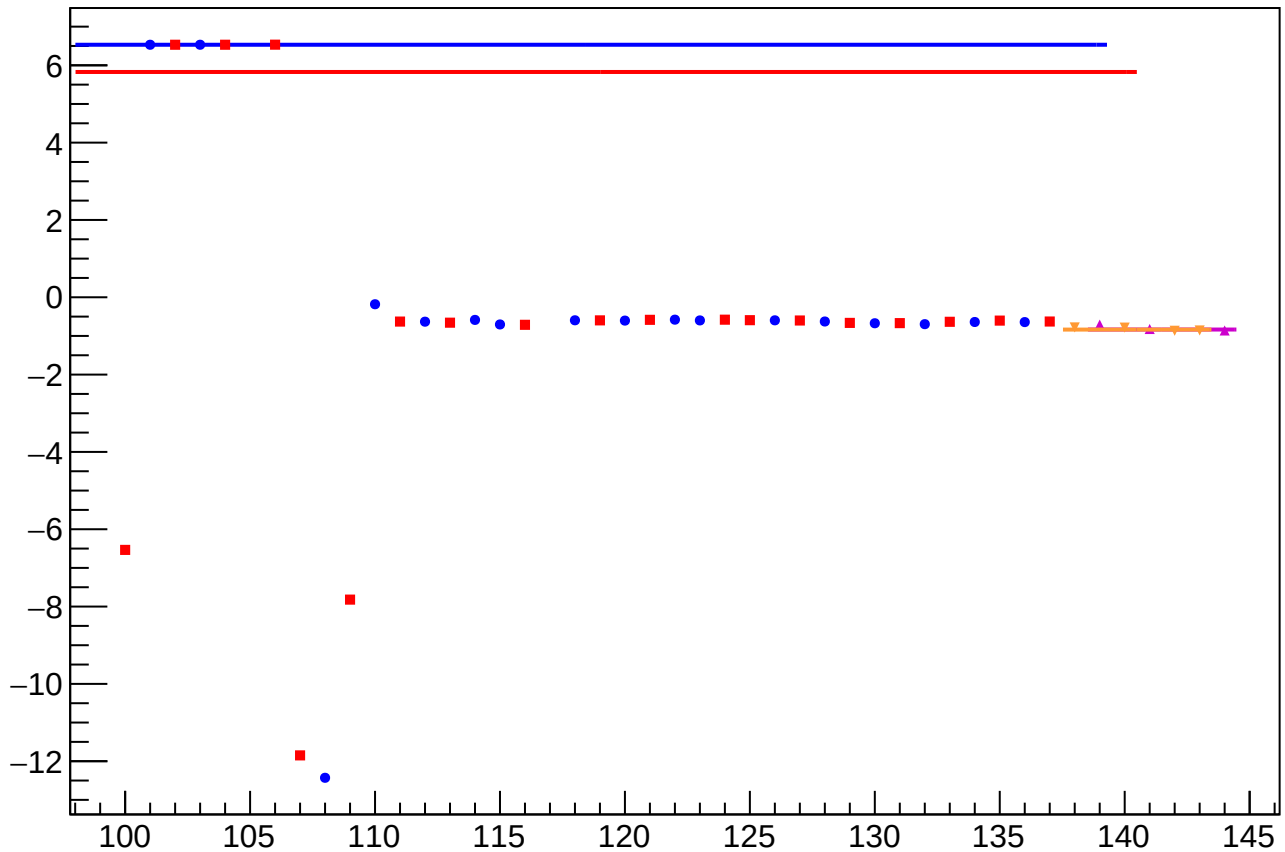
Left In: 149.793 $\pm$ 0.069 χ^2 /NDF:8642.8/2

+ sign 136.884 $\pm$ 0.033 χ^2 /NDF: 814424.5/20

All: 136.468 $\pm$ 0.023 χ^2 /NDF: 1738702.6/42

- sign 136.061 $\pm$ 0.033 χ^2 /NDF: 923964.7/21

yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 127565119308.7/16

Left Out: -0.836 $\pm$ 0.000 χ^2 /NDF: 2790577.7/3

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755947318870738.2/18

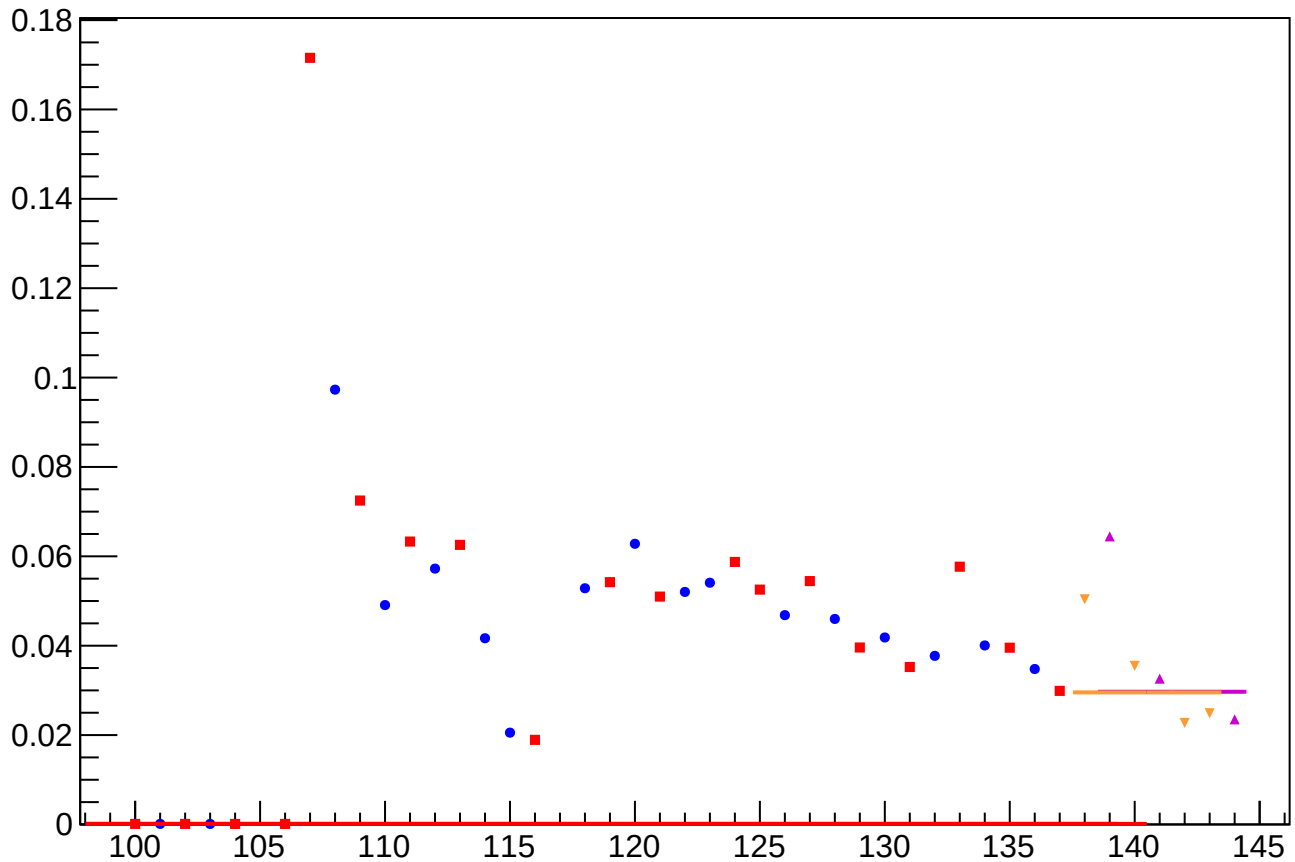
Left In: -0.834 $\pm$ 0.000 χ^2 /NDF: 3350375.9/2

+ sign 6.531 $\pm$ 0.000 χ^2 /NDF: 236664825632.6/20

All: 6.155 $\pm$ 0.000 χ^2 /NDF: 77626552136520

- sign 5.827 $\pm$ 0.000 χ^2 /NDF: 756028401713424.5/18

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9008104.3/16

Left Out: 0.030+/-0.000 χ^2/NDF : 325156.4/3

Right Out: 0.000+/-0.000 χ^2/NDF : 9347467.6/18

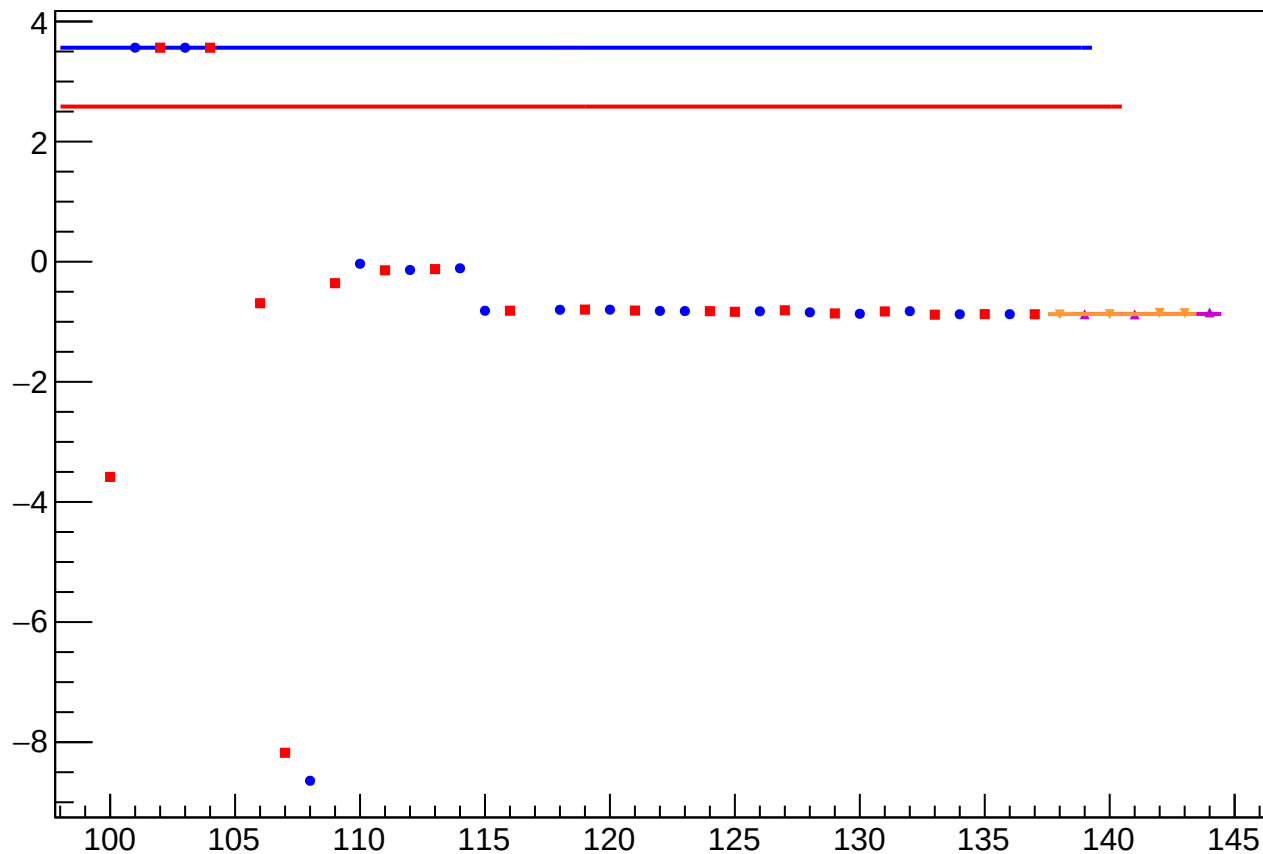
Left In: 0.030+/-0.000 χ^2/NDF : 476856.1/2

+ sign 0.000+/-0.000 χ^2/NDF : 12813915.6/20

All: 0.000+/-0.000 χ^2/NDF : 25833236.8/42

- sign 0.000+/-0.000 χ^2/NDF : 13019022.8/21

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 : 1763664.6/3

Right Out: 2.583+/-0.000 χ^2/NDF : 1253504623679499.2/18

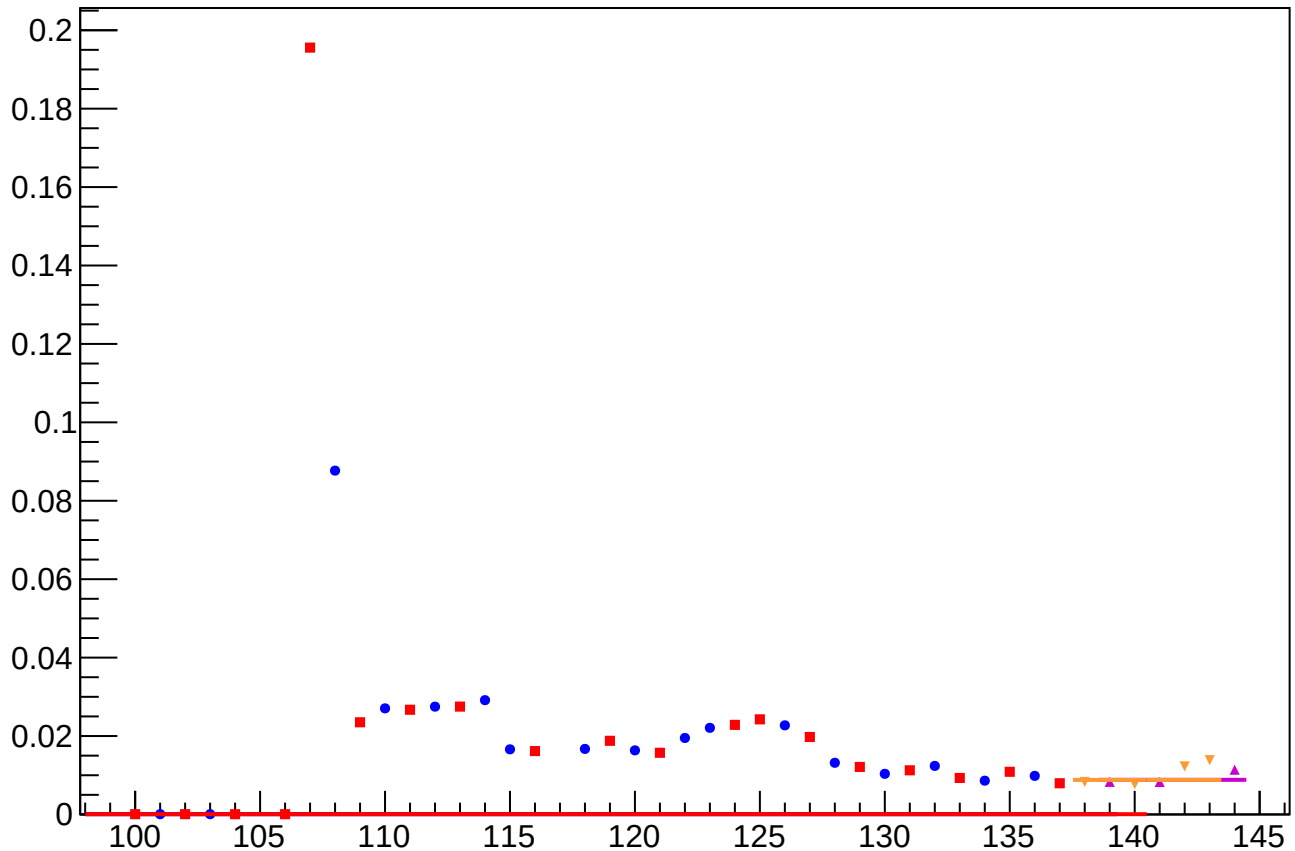
Left In: -0.870+/-0.000 χ^2/NDF : 4001922.0/2

+ sign 3.563+/-0.000 χ^2/NDF : 1024851883501.9/20

All: 3.040+/-0.000 χ^2/NDF : 13830751779494.2/20

- sign 2.583+/-0.000 χ^2/NDF : 1253812153893549.2/18

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 : 207193.8/3

Right Out: 0.000+/-0.000 χ^2/NDF : 9837255.2/18

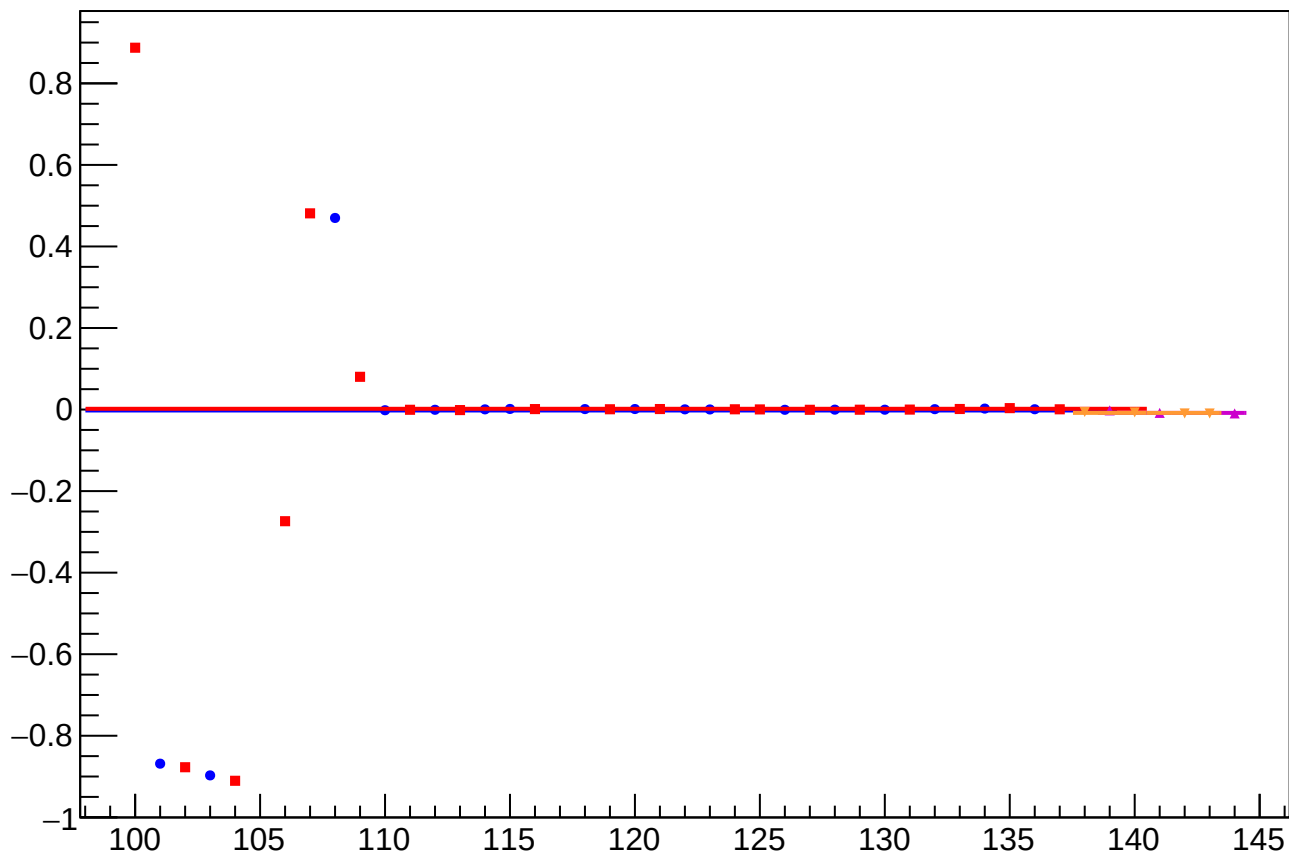
Left In: 0.009+/-0.000 χ^2/NDF : 70566.4/2

+ sign 0.000+/-0.000 χ^2/NDF : 14212094.6/20

All: 0.000+/-0.000 χ^2/NDF : 28080475.9/42

- sign 0.000+/-0.000 χ^2/NDF : 13867999.9/21

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: 2114552.4/3

Right Out: 0.002+/-0.000 χ^2 /NDF: 3041330797.2/18

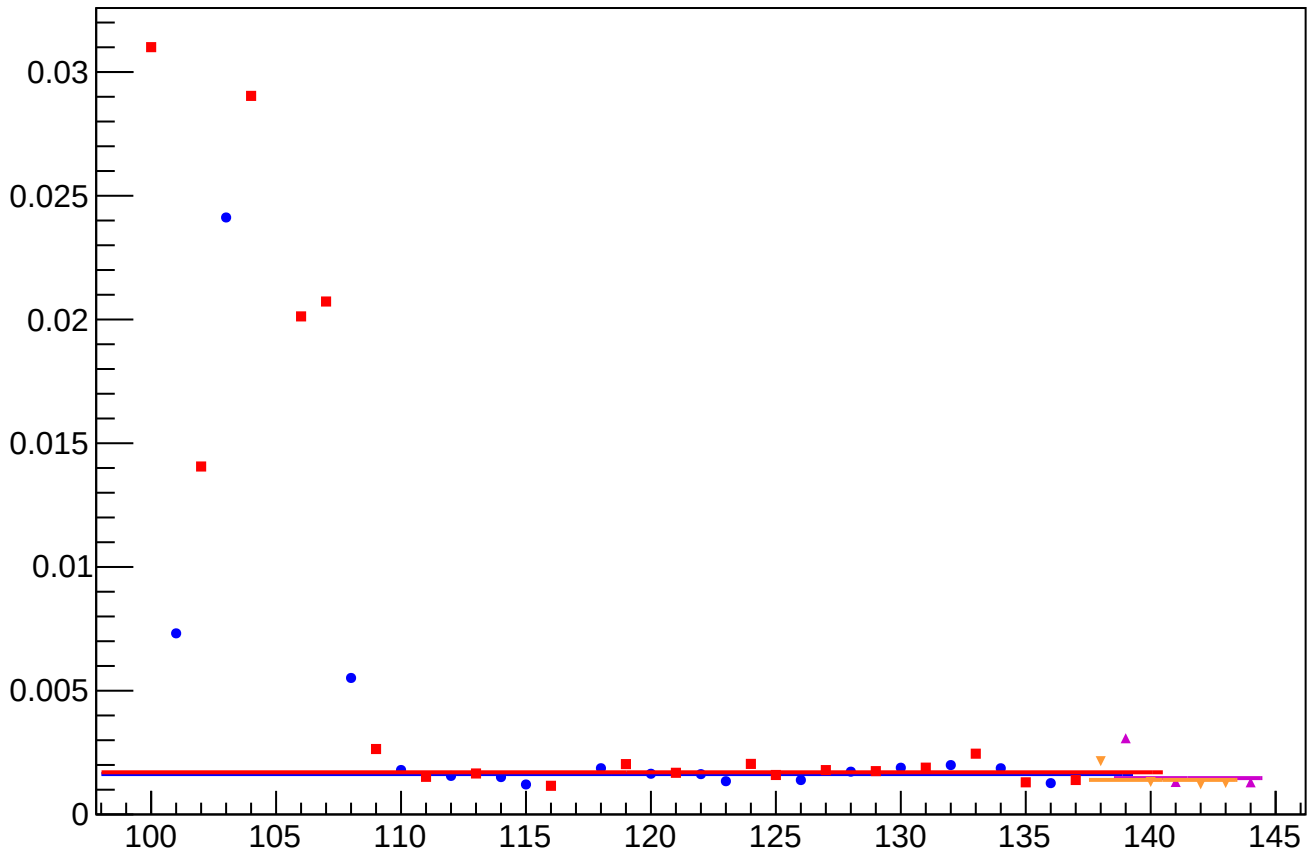
Left In: -0.008+/-0.000 χ^2 /NDF: 3363279.1/2

+ sign -0.004+/-0.000 χ^2 /NDF: 9818483499.0/20

All: -0.003+/-0.000 χ^2 /NDF: 12925177974.2/21

- sign -0.002+/-0.000 χ^2 /NDF: 3096960894.7/21

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: 172659.5/3

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3024458.4/18

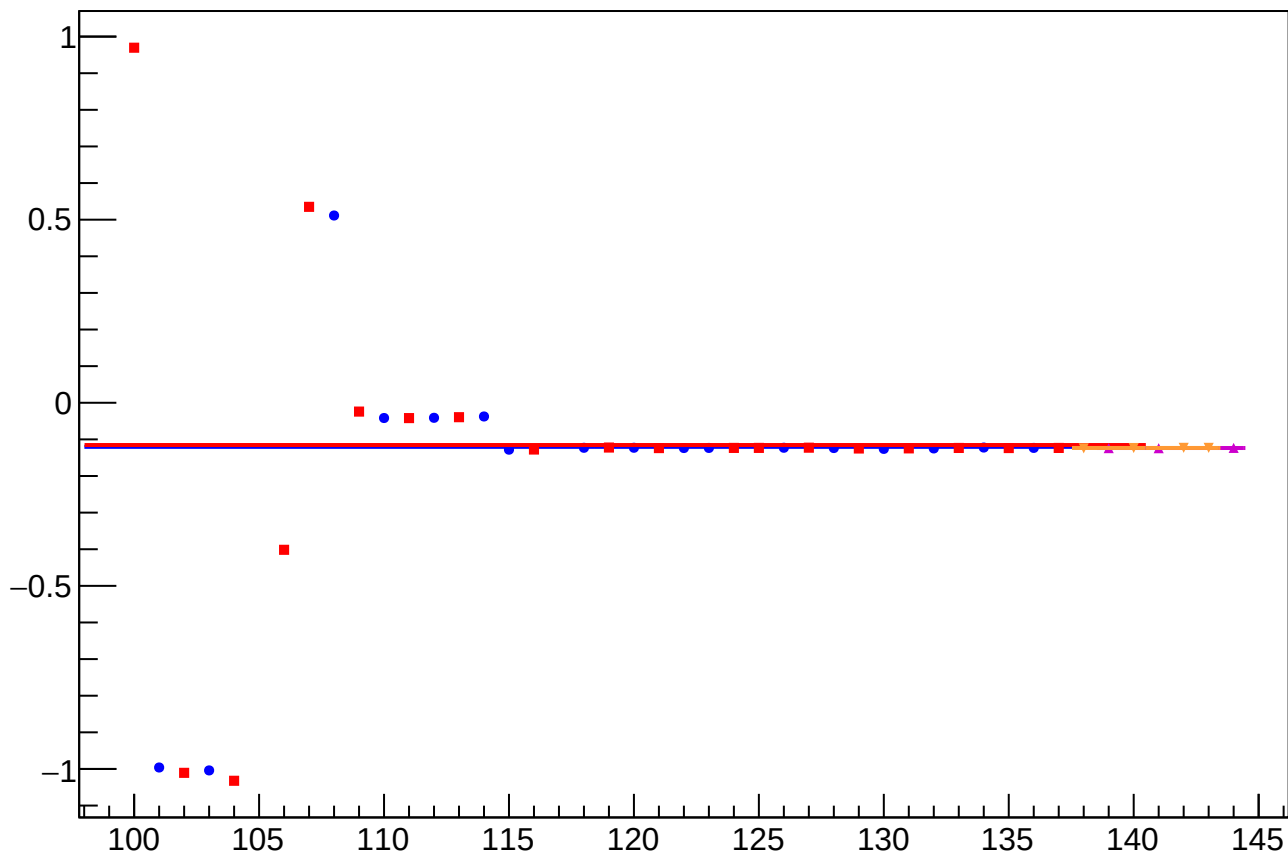
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF: 407287.4/2

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 2160227.0/20

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5662688.5/42

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 3488694.2/21

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 : 429889.1/3

Right Out: -0.115+/-0.000 χ^2/NDF : 2456433698.5/18

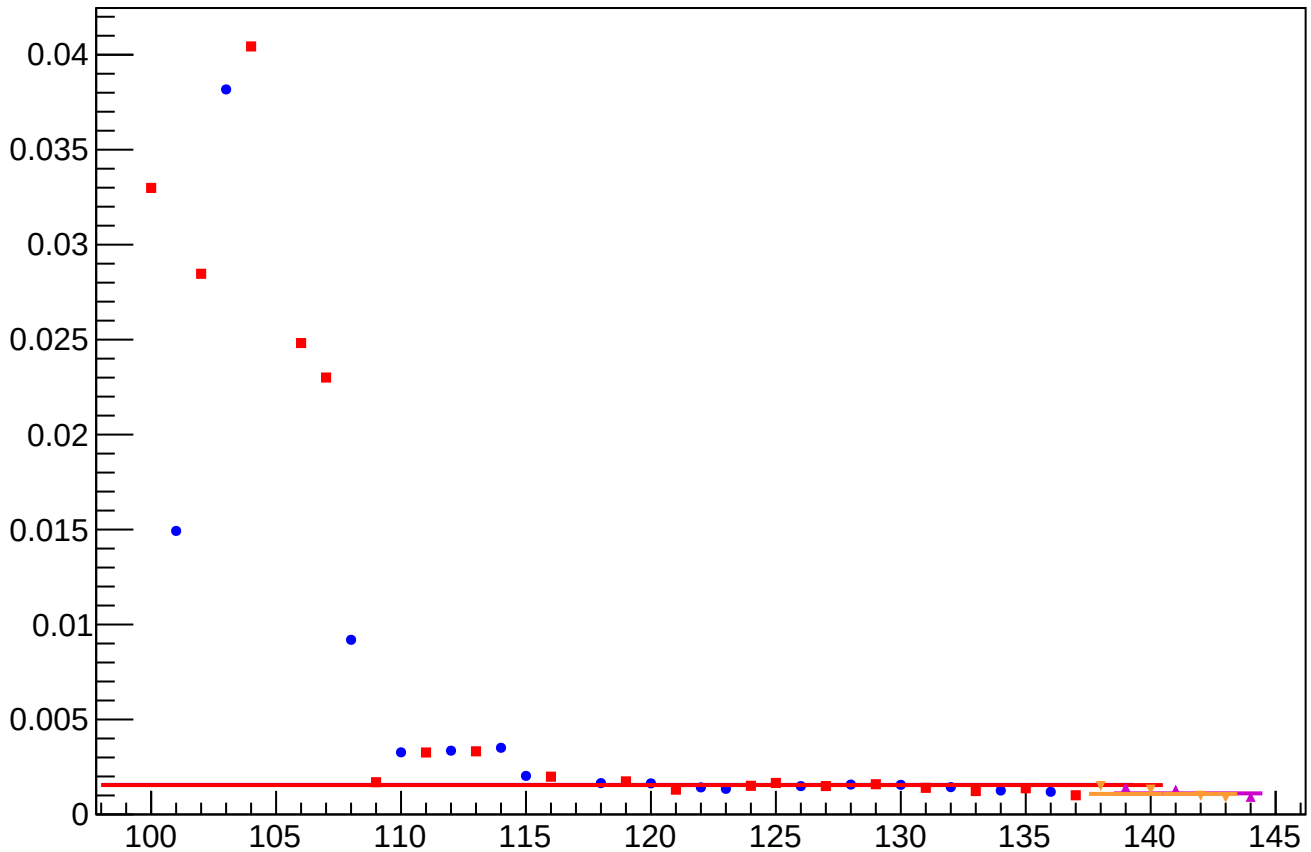
Left In: -0.124+/-0.000 χ^2/NDF : 239091.2/2

+ sign -0.122+/-0.000 χ^2/NDF : 3942298356.8/20

All: -0.121+/-0.000 χ^2/NDF : 6470936659.7/4

- sign -0.119+/-0.000 χ^2/NDF : 2515451035.3/21

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: 212271.6/3

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3535649.7/18

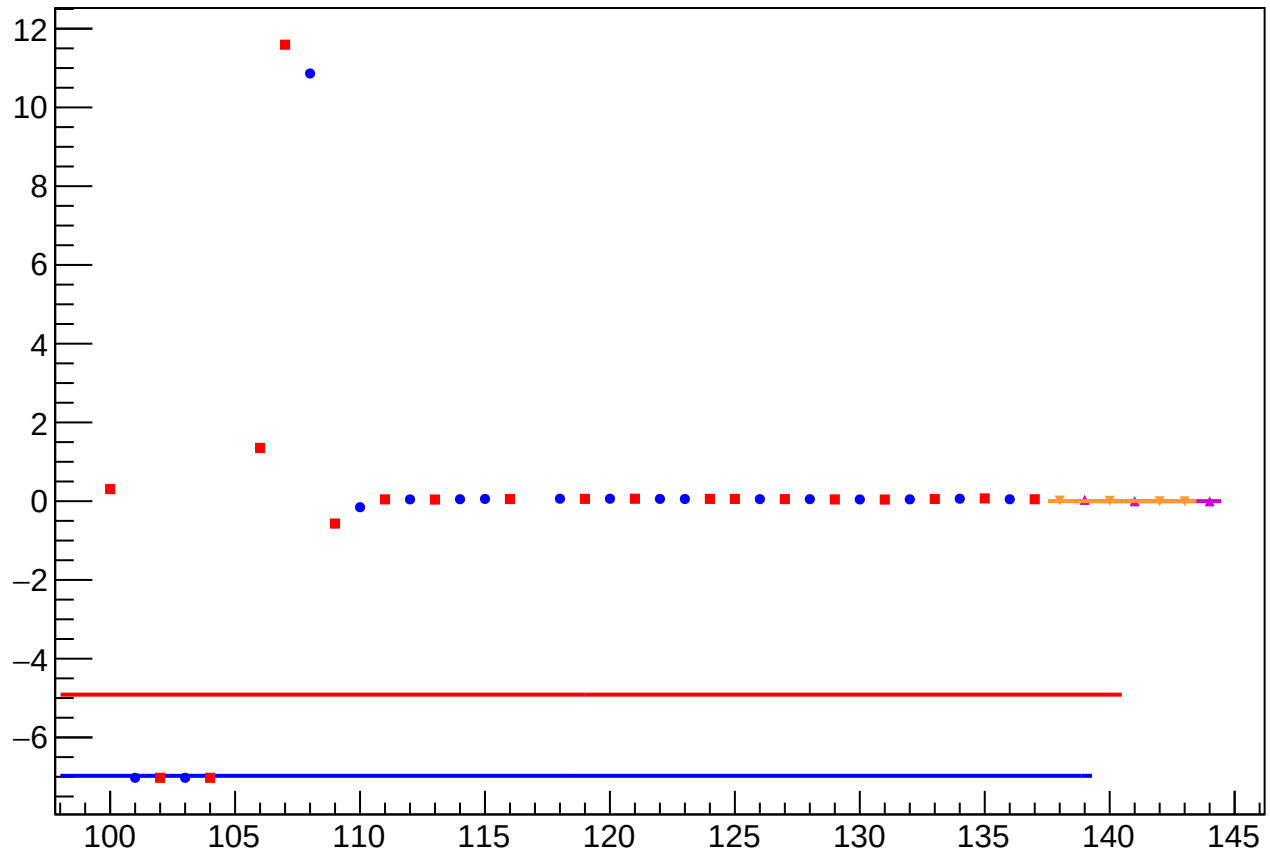
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF: 151916.0/2

+ sign 0.001 $\pm$ 0.000 χ^2 /NDF: 3539411.4/20

All: 0.001 $\pm$ 0.000 χ^2 /NDF: 7567984.0/42

- sign 0.001 $\pm$ 0.000 χ^2 /NDF: 4026221.6/21

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 :1414477.2/3

Right Out: -4.914+/-0.000 χ^2/NDF : 365352656389636.4/18

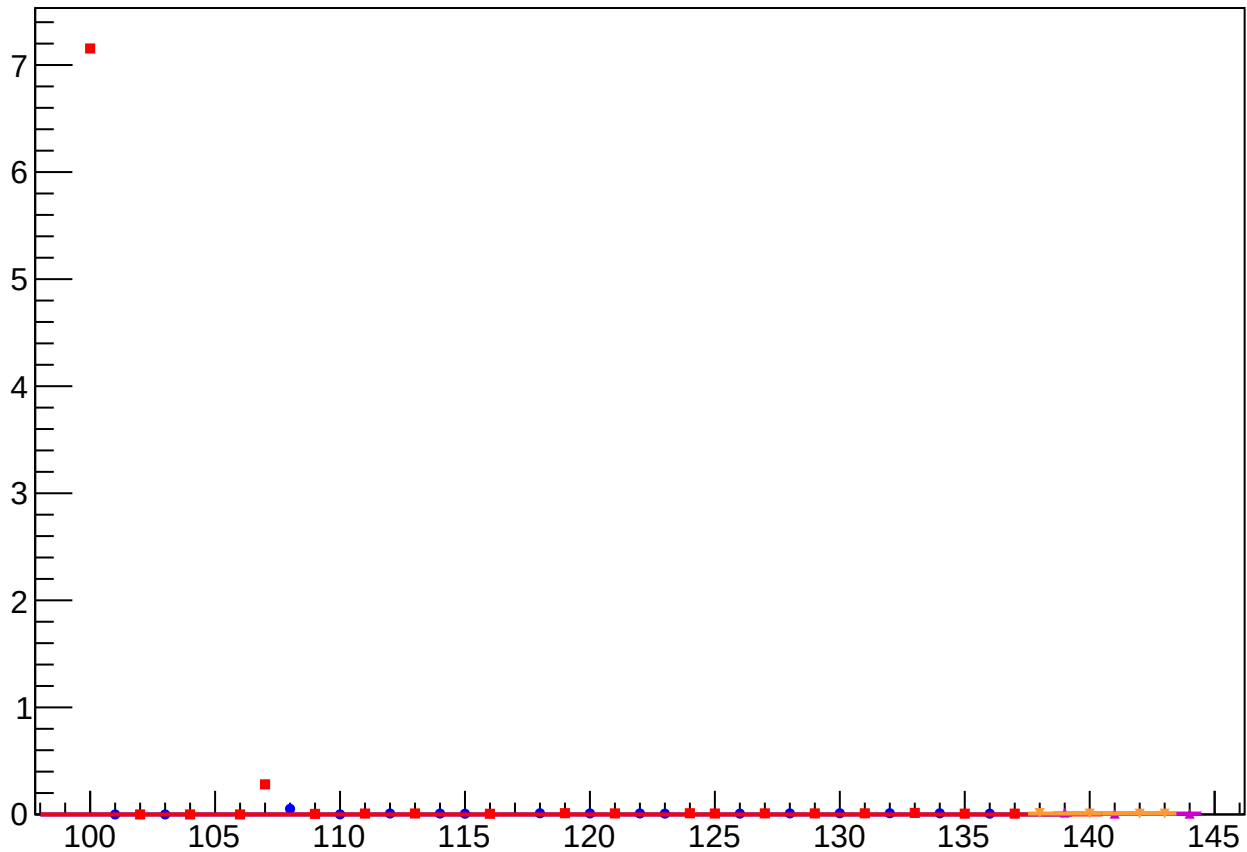
Left In: 0.000+/-0.000 χ^2/NDF :2636832.8/2

+ sign -6.968+/-0.000 χ^2/NDF : 10056800060139.1/16

All: -5.894+/-0.000 χ^2/NDF : 4320361670018.1/16

- sign -4.910+/-0.000 χ^2/NDF : 365908806519007.1/18

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:168012.0/3

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8775433.1/18

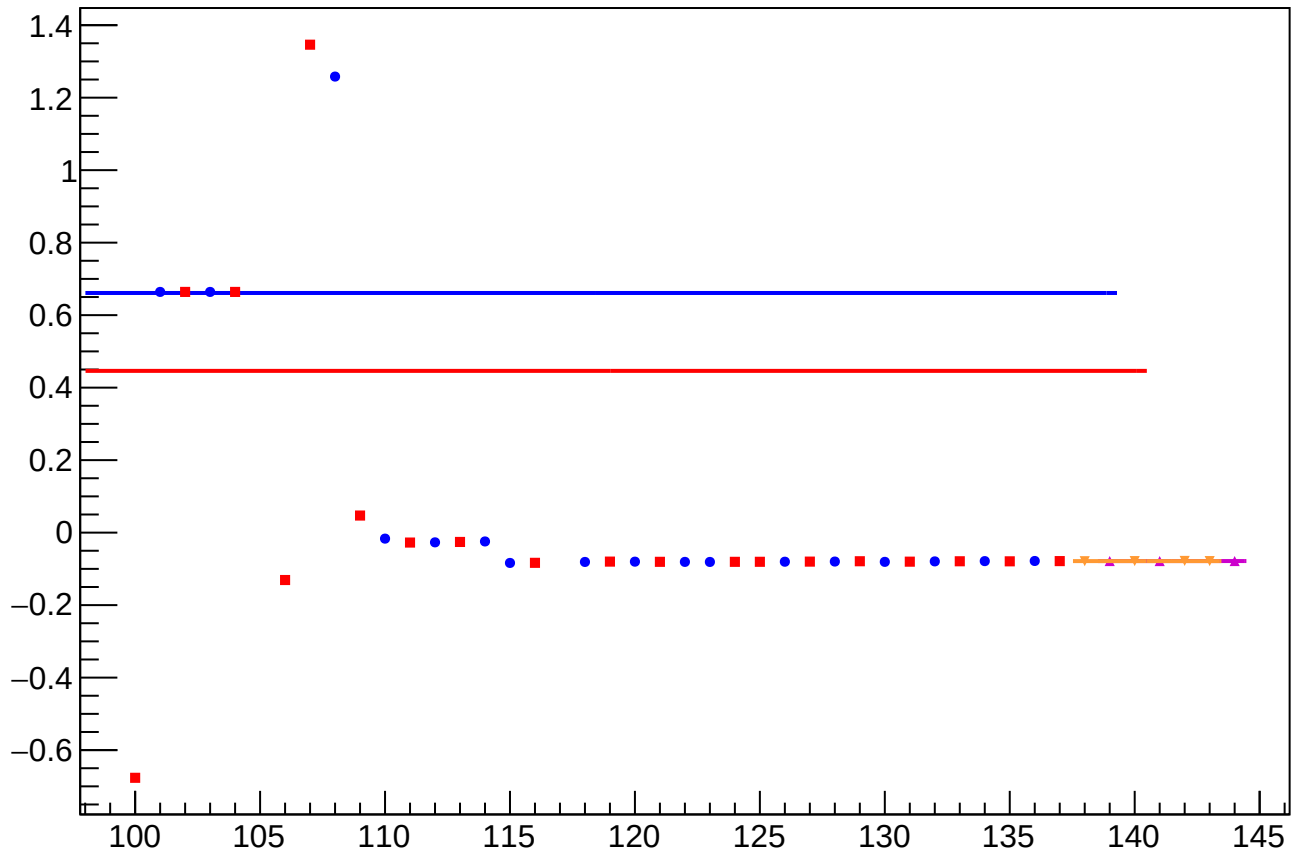
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:401683.5/2

+ sign 0.000 $\pm$ 0.000 χ^2 /NDF: 11975709.7/20

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 24373265.3/42

- sign 0.000 $\pm$ 0.000 χ^2 /NDF: 12396888.5/21

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5658672217179.3/16

Left Out: -0.079 $\pm$ 0.000 χ^2 /NDF: 479983.2/3

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405428422570886.0/18

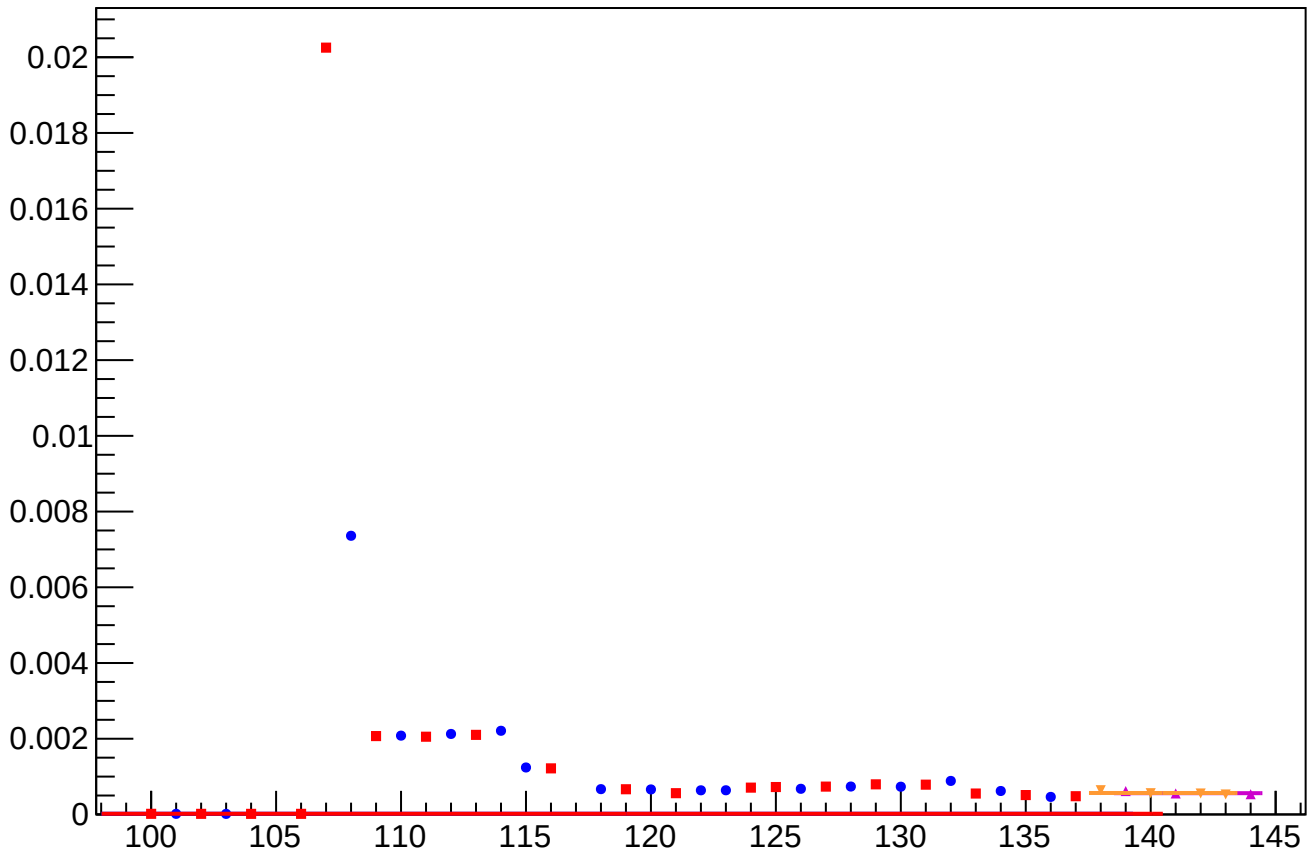
Left In: -0.078 $\pm$ 0.000 χ^2 /NDF: 7541.4/2

+ sign 0.659 $\pm$ 0.000 χ^2 /NDF: 9847318695530.4/20

All: 0.547 $\pm$ 0.000 χ^2 /NDF: 4798366416091.7

- sign 0.445 $\pm$ 0.000 χ^2 /NDF: 407403349255703.7

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 : 26143.9/3

Right Out: 0.000+/-0.000 χ^2/NDF : 9460895.3/18

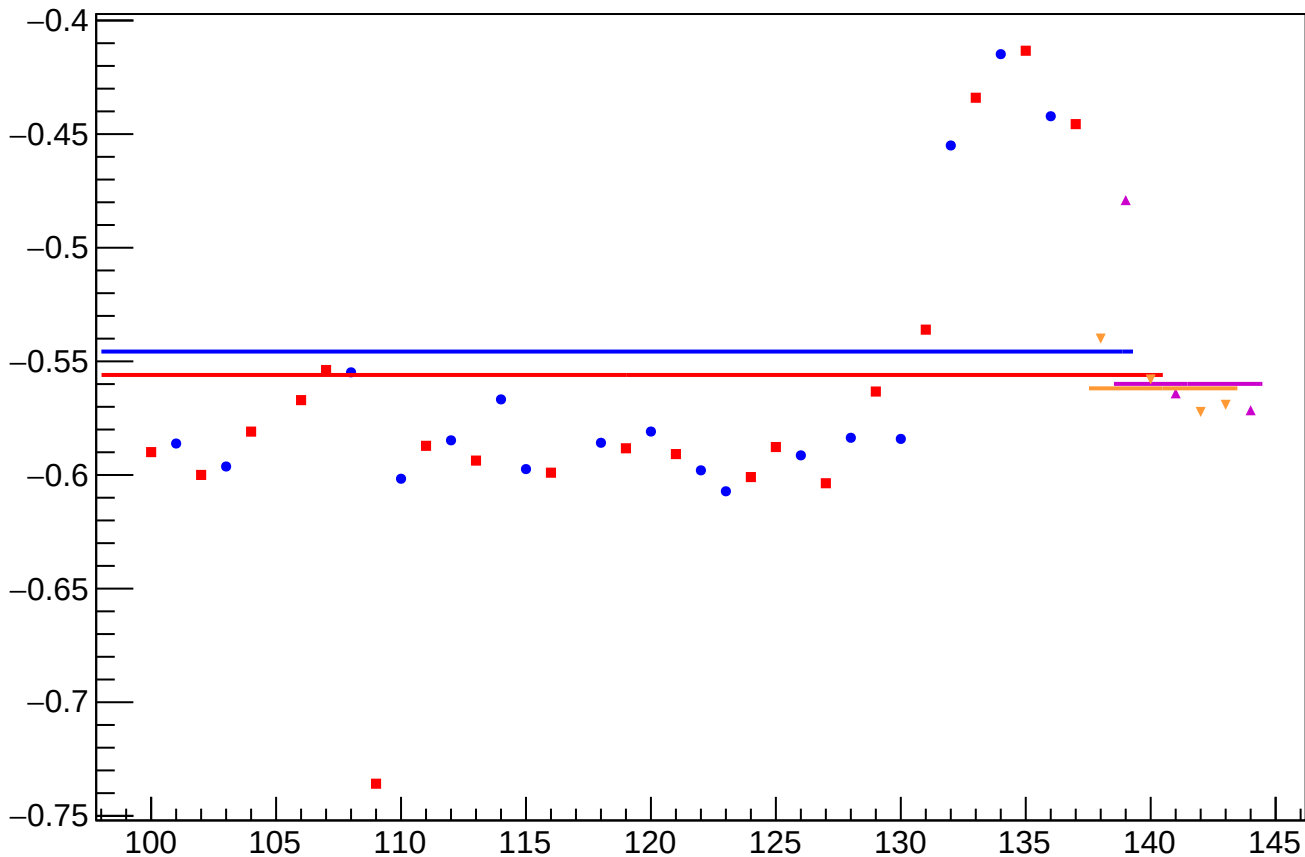
Left In: 0.001+/-0.000 χ^2/NDF : 15180.5/2

+ sign 0.000+/-0.000 χ^2/NDF : 14594901.7/20

All: 0.000+/-0.000 χ^2/NDF : 28313683.7/42

- sign 0.000+/-0.000 χ^2/NDF : 13718502.0/21

yield_bpm4aX_mean vs Slug



Right In: -0.546+/-0.000 χ^2/NDF : 46331446.0/16

Left Out: -0.562+/-0.000 χ^2/NDF : 596117.0/3

Right Out: -0.556+/-0.000 χ^2/NDF : 64058429.8/18

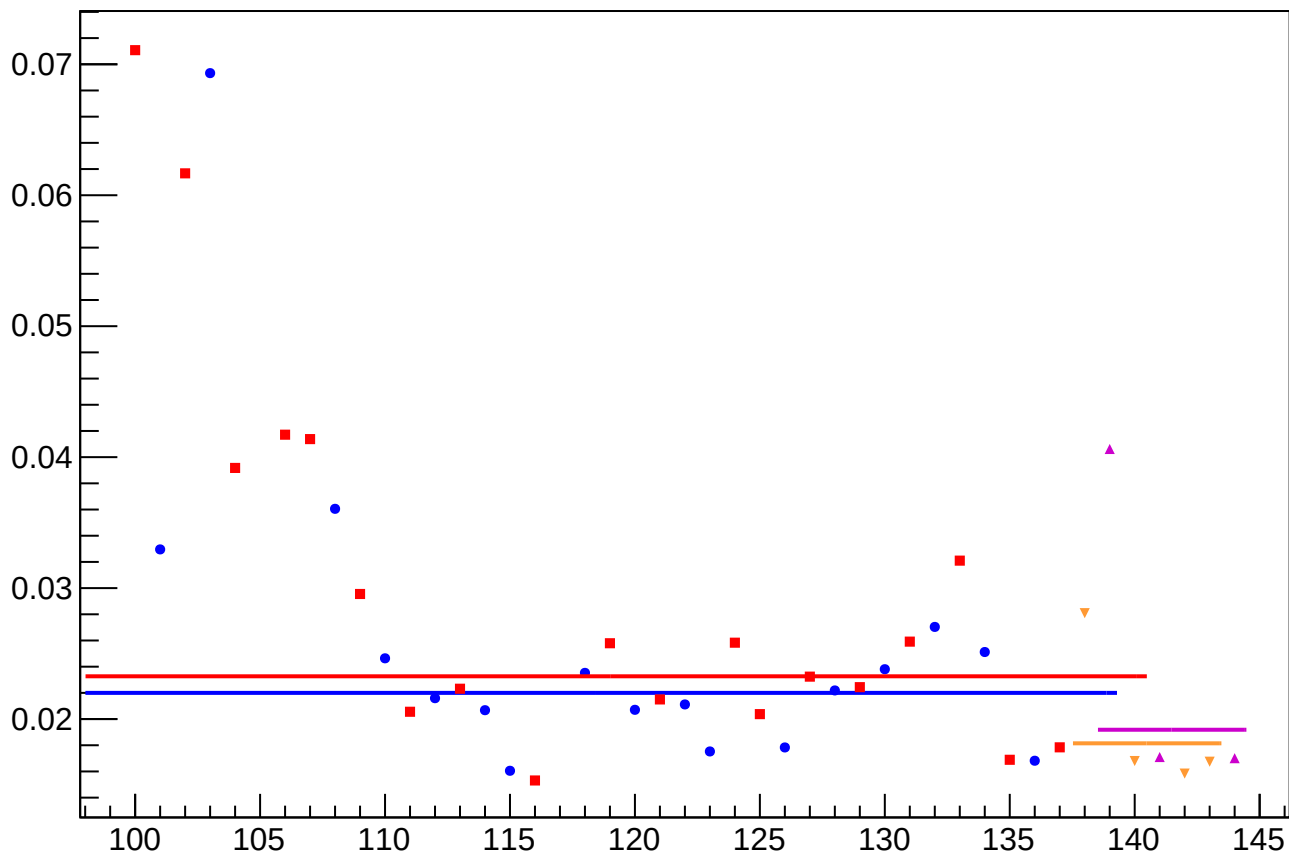
Left In: -0.560+/-0.000 χ^2/NDF : 3003727.6/2

+ sign -0.551+/-0.000 χ^2/NDF : 47861064.1/20

All: -0.554+/-0.000 χ^2/NDF : 115248925.7/42

- sign -0.557+/-0.000 χ^2/NDF : 67109989.2/21

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:173243.6/3

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1155060.8/18

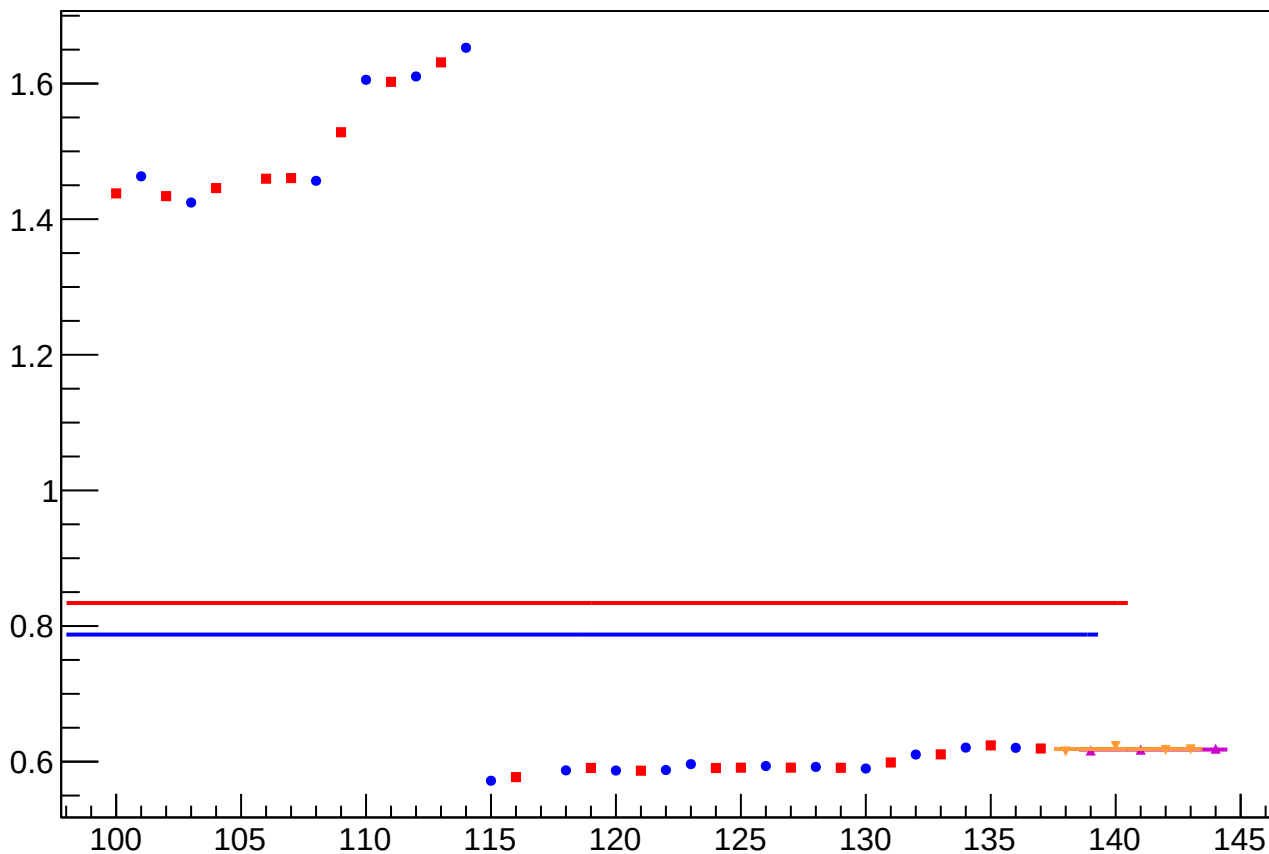
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:414179.4/2

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 1238630.5/20

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 2936003.0/42

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 1672646.7/21

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:180041.0/3

Right Out: 0.834 $\pm$ 0.000 χ^2 /NDF: 4150651936.4/18

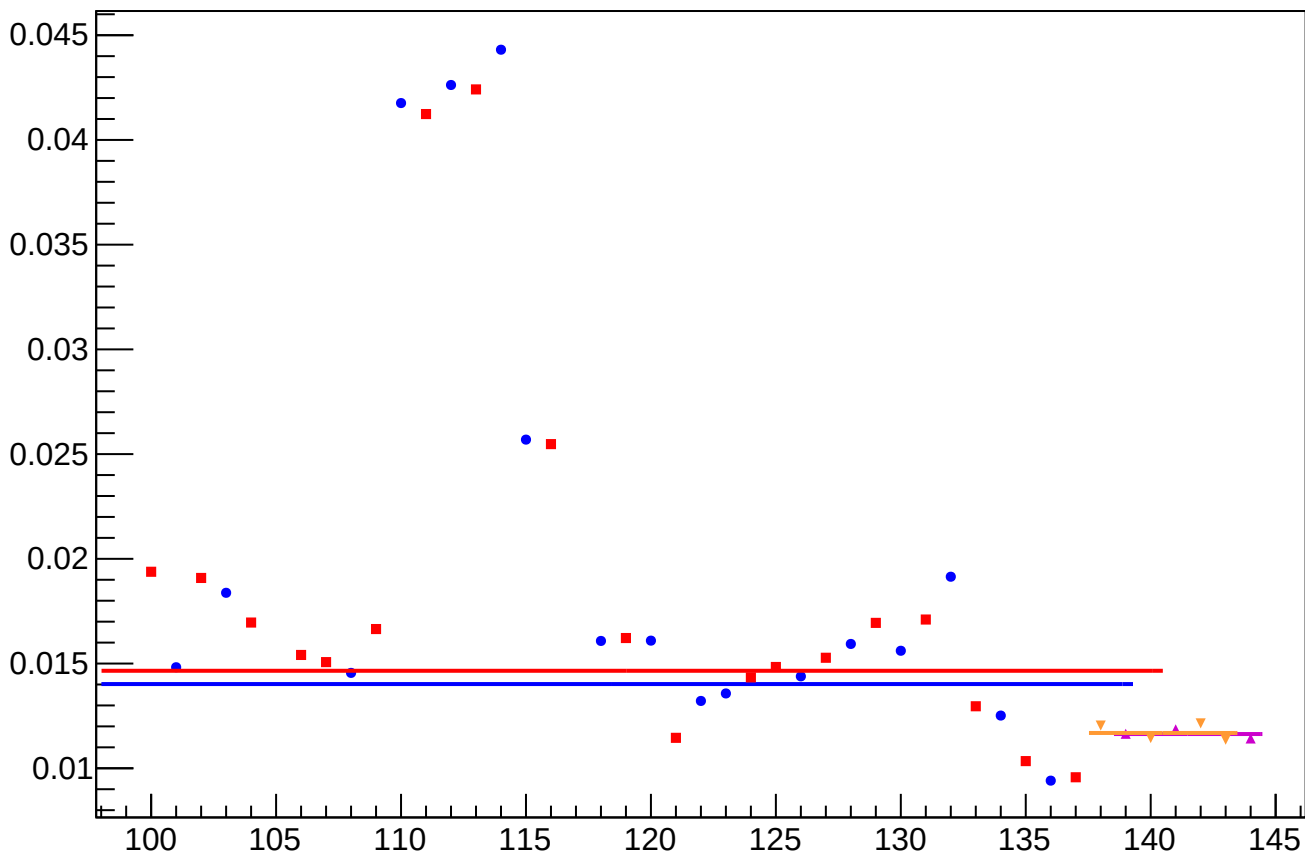
Left In: 0.618 $\pm$ 0.000 χ^2 /NDF:20437.3/2

+ sign 0.722 $\pm$ 0.000 χ^2 /NDF: 3901411913.9/20

All: 0.736 $\pm$ 0.000 χ^2 /NDF: 8567559015.4/42

- sign 0.752 $\pm$ 0.000 χ^2 /NDF: 4644764604.4/21

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:4119.5/3

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1262071.4/18

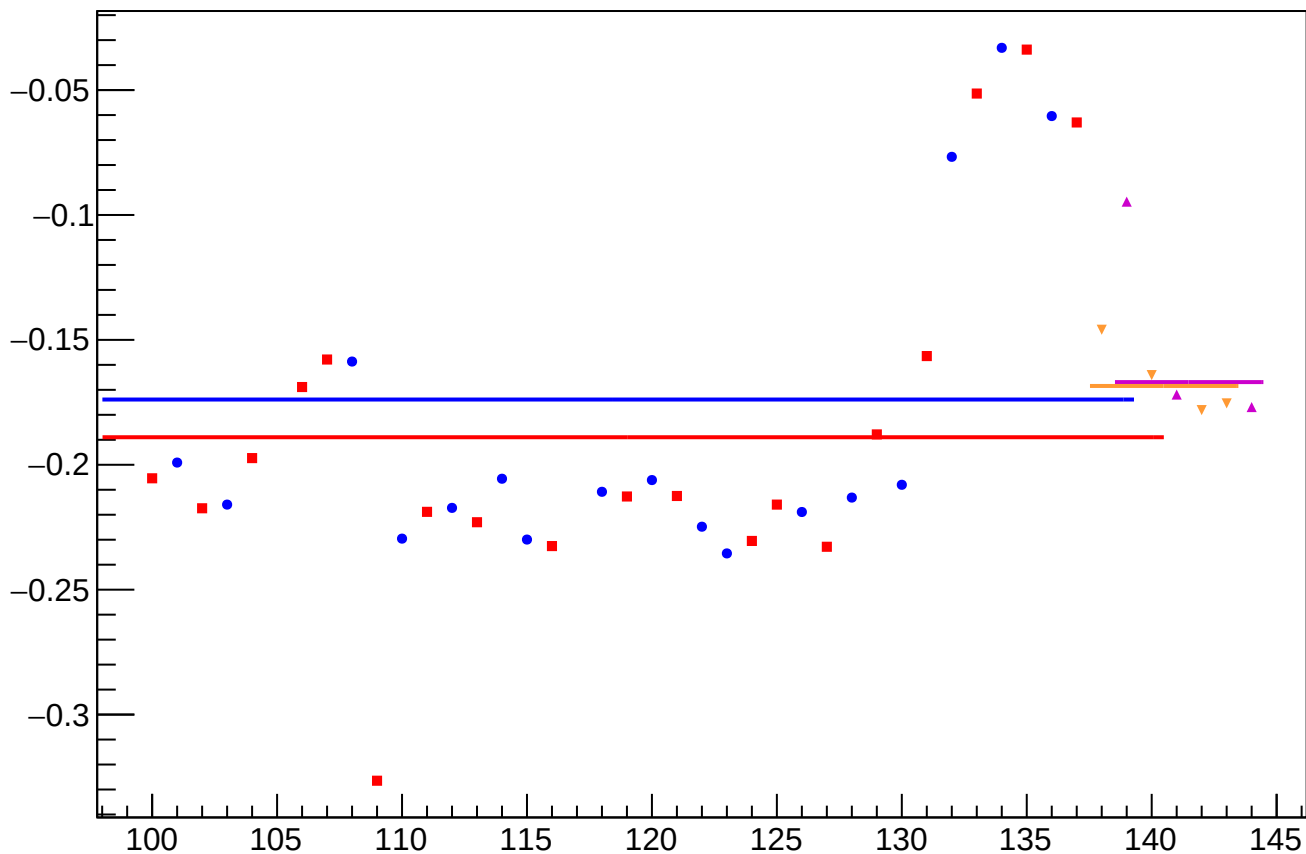
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:1153.3/2

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1526517.8/20

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 2990052.8/42

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1456167.8/21

yield_bpm4eX_mean vs Slug



Right In: -0.174+/-0.000 χ^2/NDF : 66778428.3/16

Left Out: -0.168+/-0.000 χ^2/NDF : 651456.9/3

Right Out: -0.189+/-0.000 χ^2/NDF : 81975900.9/18

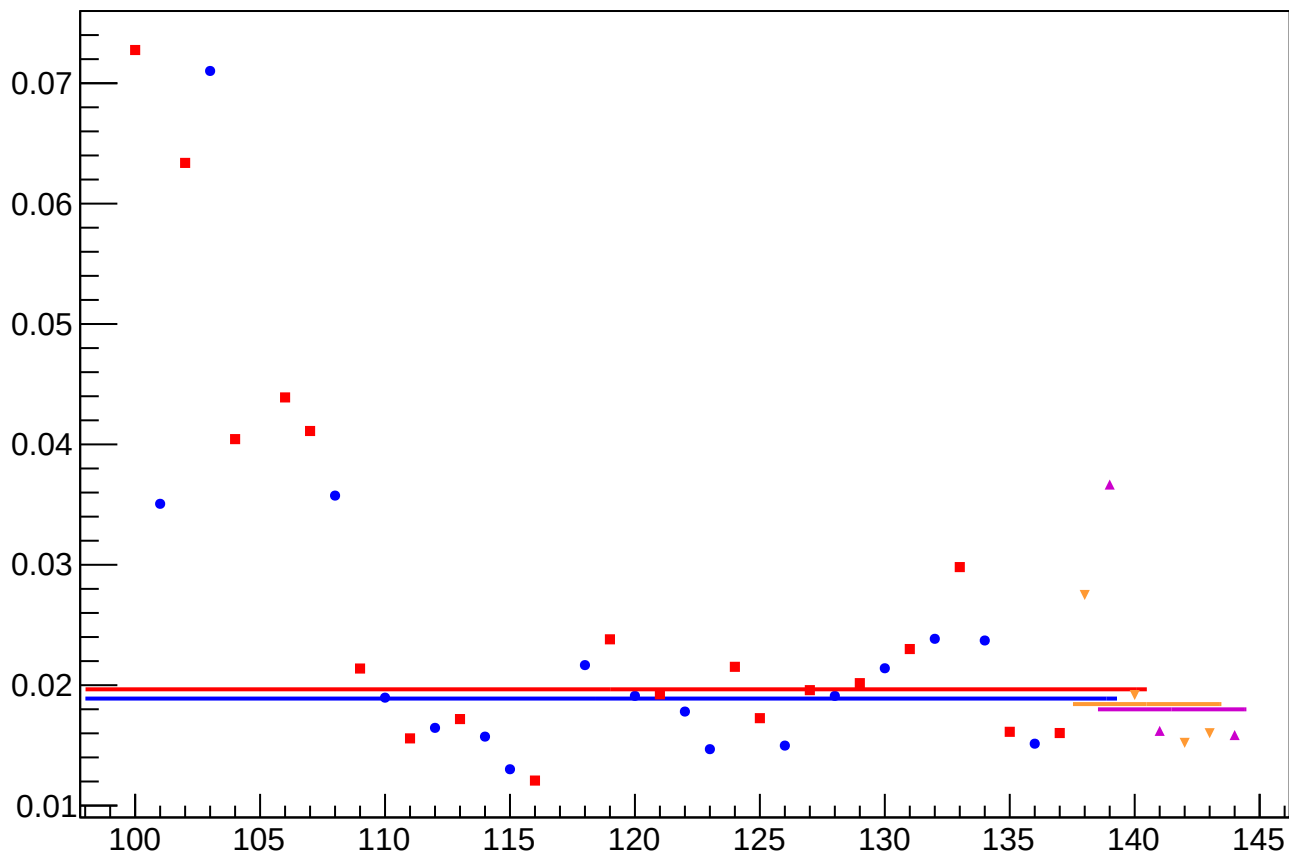
Left In: -0.167+/-0.000 χ^2/NDF : 2926740.9/2

+ sign -0.172+/-0.000 χ^2/NDF : 67546501.6/20

All: -0.177+/-0.000 χ^2/NDF : 155323283.8/42

- sign -0.183+/-0.000 χ^2/NDF : 86743153.6/21

yield_bpm4eX_rms vs Slug



Right In: 0.019 ± 0.000 χ^2/NDF : 1211816.5/16

Left Out: 0.018 ± 0.000 χ^2/NDF : 183741.9/3

Right Out: 0.020 ± 0.000 χ^2/NDF : 1454143.7/18

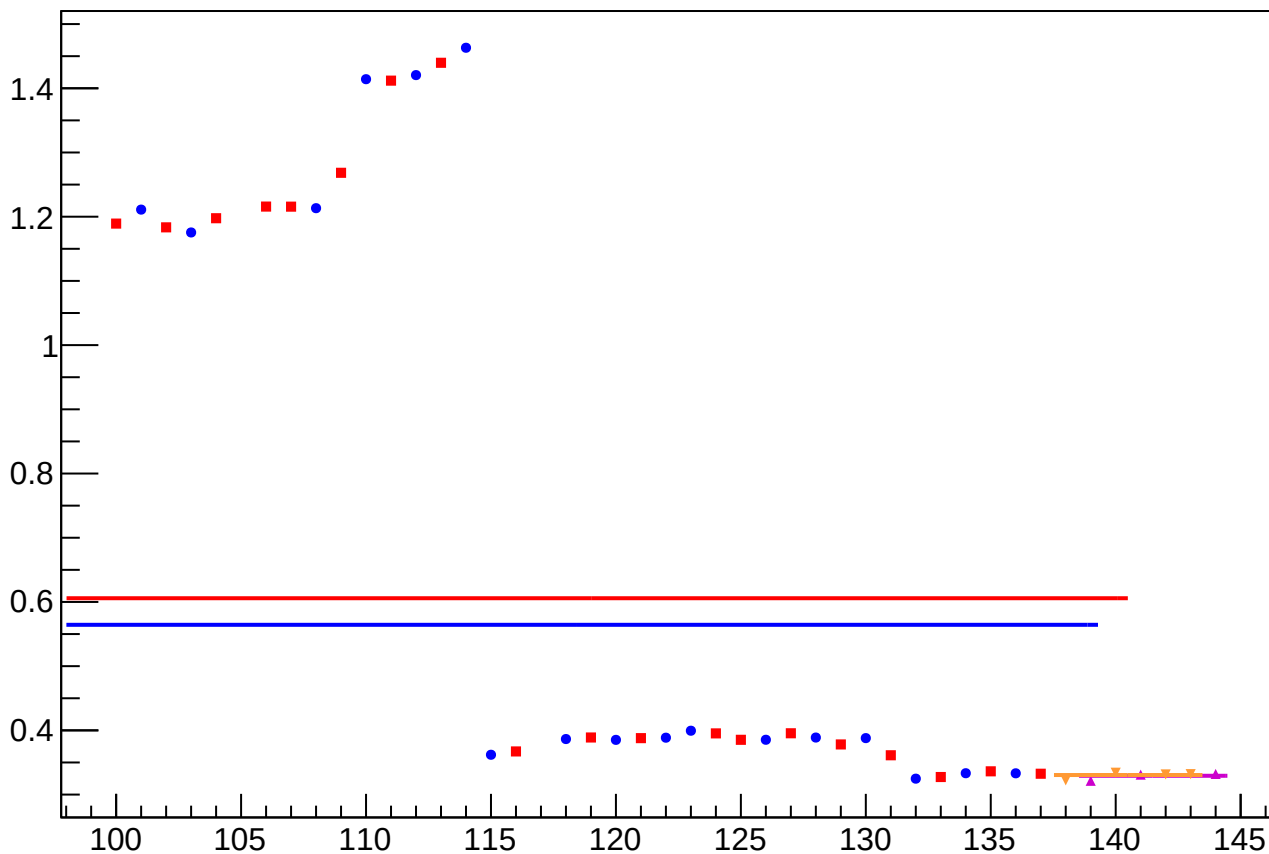
Left In: 0.018 ± 0.000 χ^2/NDF : 387386.9/2

+ sign 0.019 ± 0.000 χ^2/NDF : 1397216.4/20

All: 0.019 ± 0.000 χ^2/NDF : 3263159.0/42

- sign 0.019 ± 0.000 χ^2/NDF : 1862424.4/21

yield_bpm4eY_mean vs Slug



Right In: 0.564+/-0.000 χ^2/NDF : 5040911893.3/16

Left Out: 0.330+/-0.000 χ^2/NDF : 357818.2/3

Right Out: 0.606+/-0.000 χ^2/NDF : 5529469116.6/18

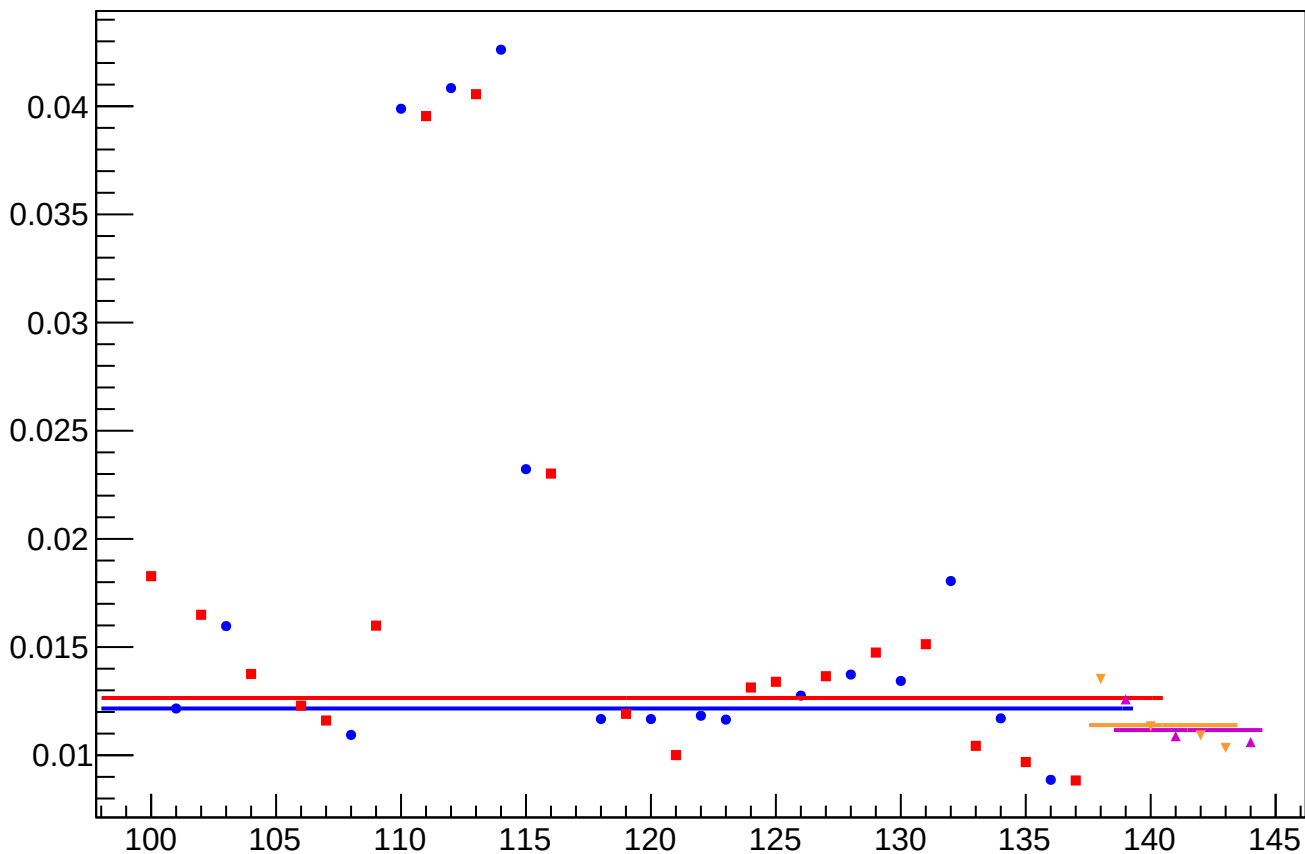
Left In: 0.329+/-0.000 χ^2/NDF : 335633.9/2

+ sign 0.487+/-0.000 χ^2/NDF : 5736086157.1/20

All: 0.500+/-0.000 χ^2/NDF : 12216008878.7/4

- sign 0.514+/-0.000 χ^2/NDF : 6458453804.2/21

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:49863.3/3

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1268972.5/18

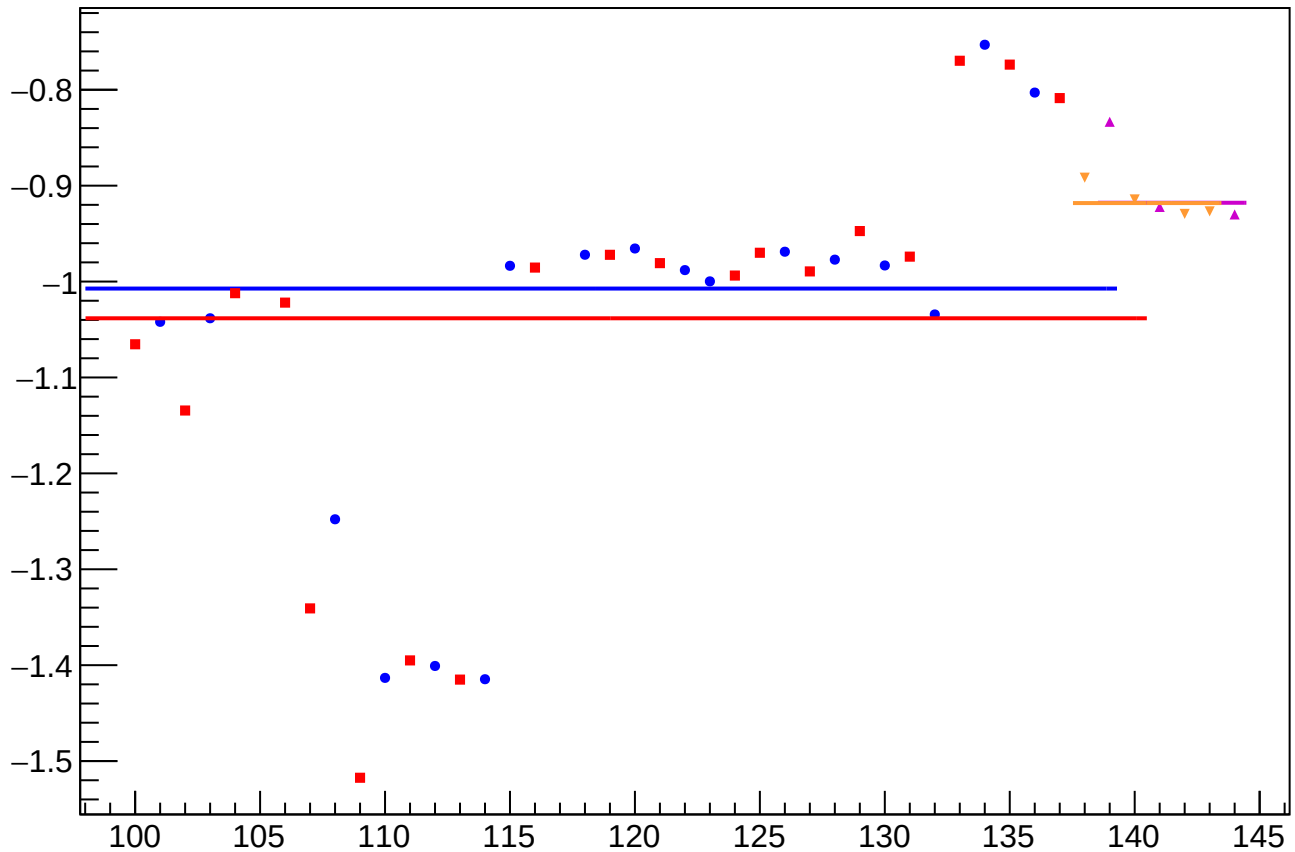
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:22417.4/2

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1368920.5/20

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 2717237.4/42

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1344817.5/21

yield_bpm4acX_mean vs Slug



Right In: -1.007 ± 0.000 χ^2/NDF : 393589325.7/16

Left Out: -0.918 ± 0.000 χ^2/NDF : 859524.4/3

Right Out: -1.038 ± 0.000 χ^2/NDF : 535629570.0/18

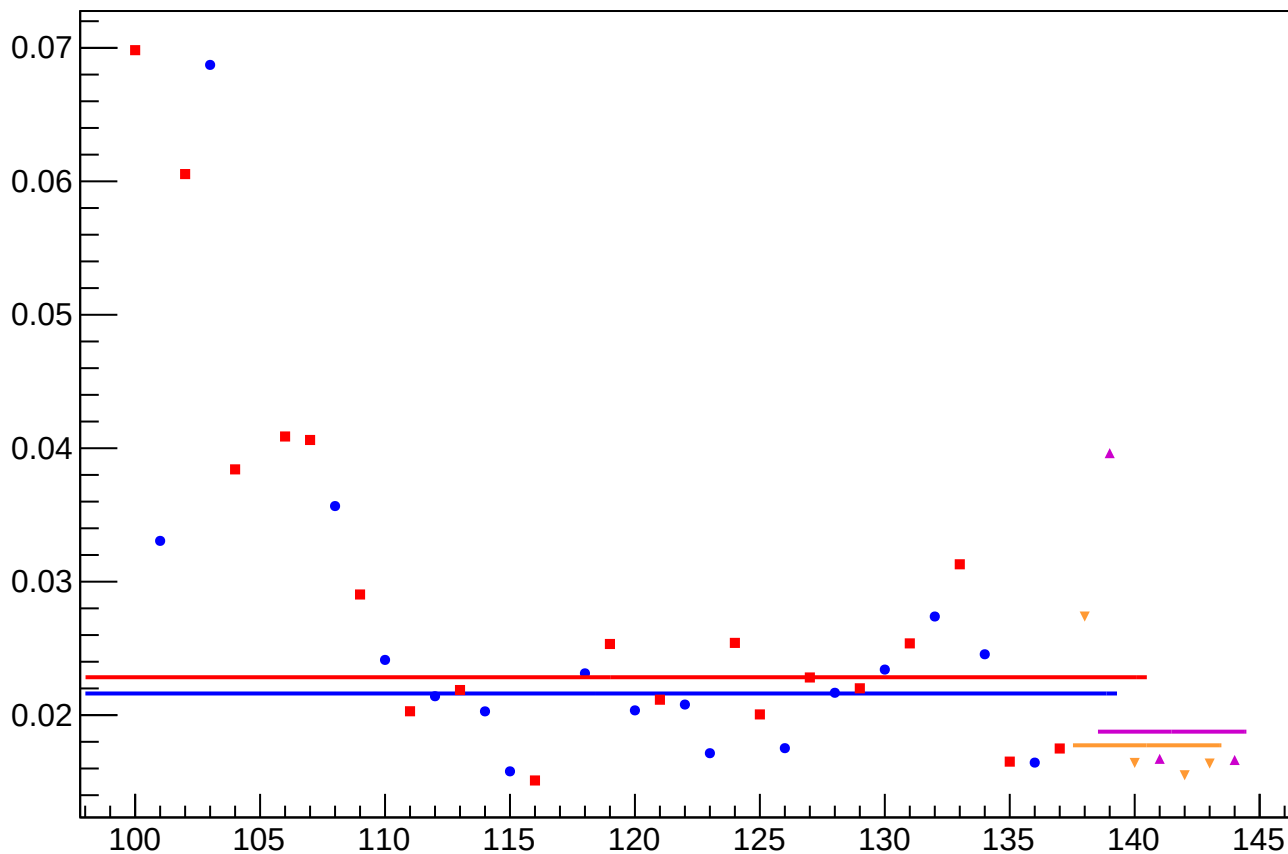
Left In: -0.918 ± 0.000 χ^2/NDF : 3442983.1/2

+ sign -0.977 ± 0.000 χ^2/NDF : 423980650.5/20

All: -0.988 ± 0.000 χ^2/NDF : 1014232206.6/4

- sign -1.000 ± 0.000 χ^2/NDF : 586064793.9/21

yield_bpm4acX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 984588.1/16

Left Out: 0.018 $\pm$ 0.000 χ^2 /NDF:171736.2/3

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1150914.8/18

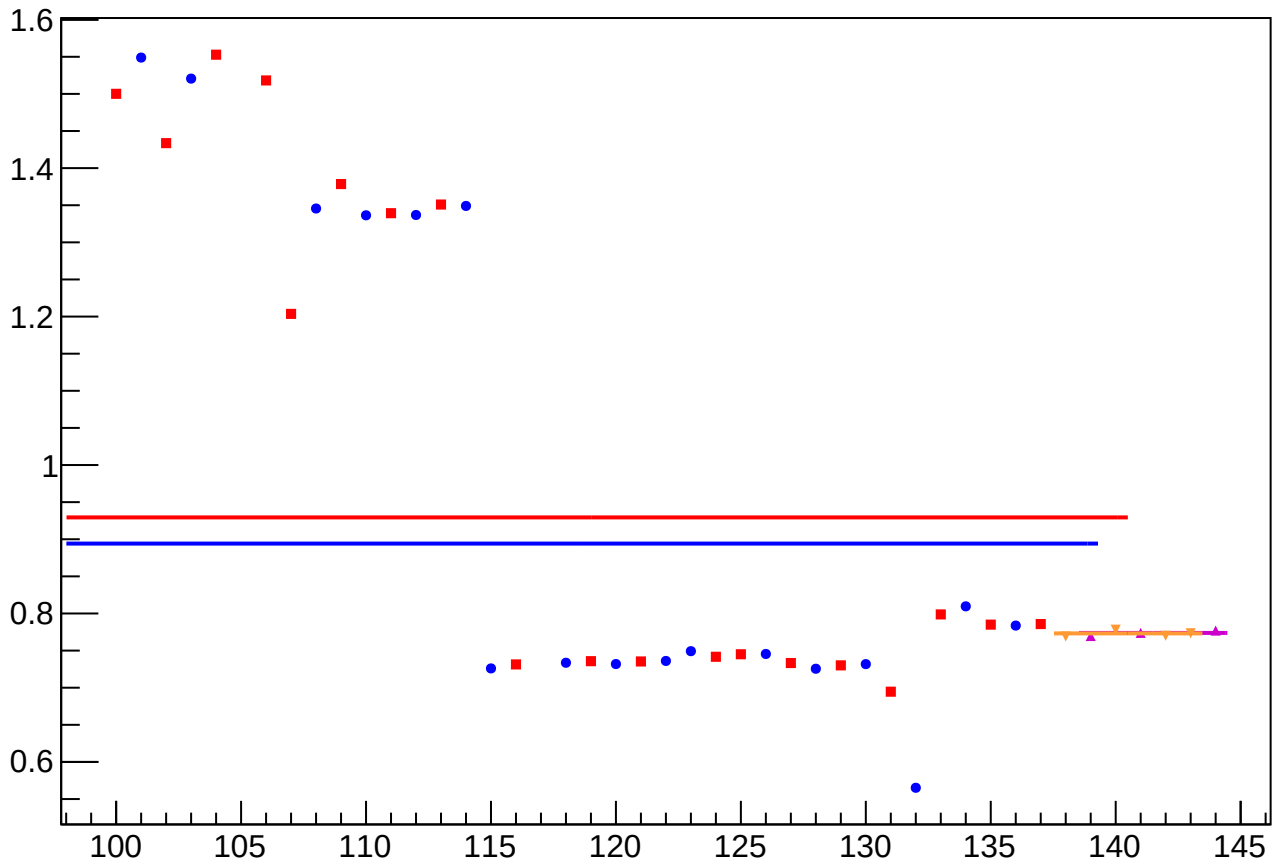
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:412527.3/2

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 1268407.7/20

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 2963886.6/42

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 1671136.6/21

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 :258086.4/3

Right Out: 0.929+/-0.000 χ^2/NDF : 2422023767.8/18

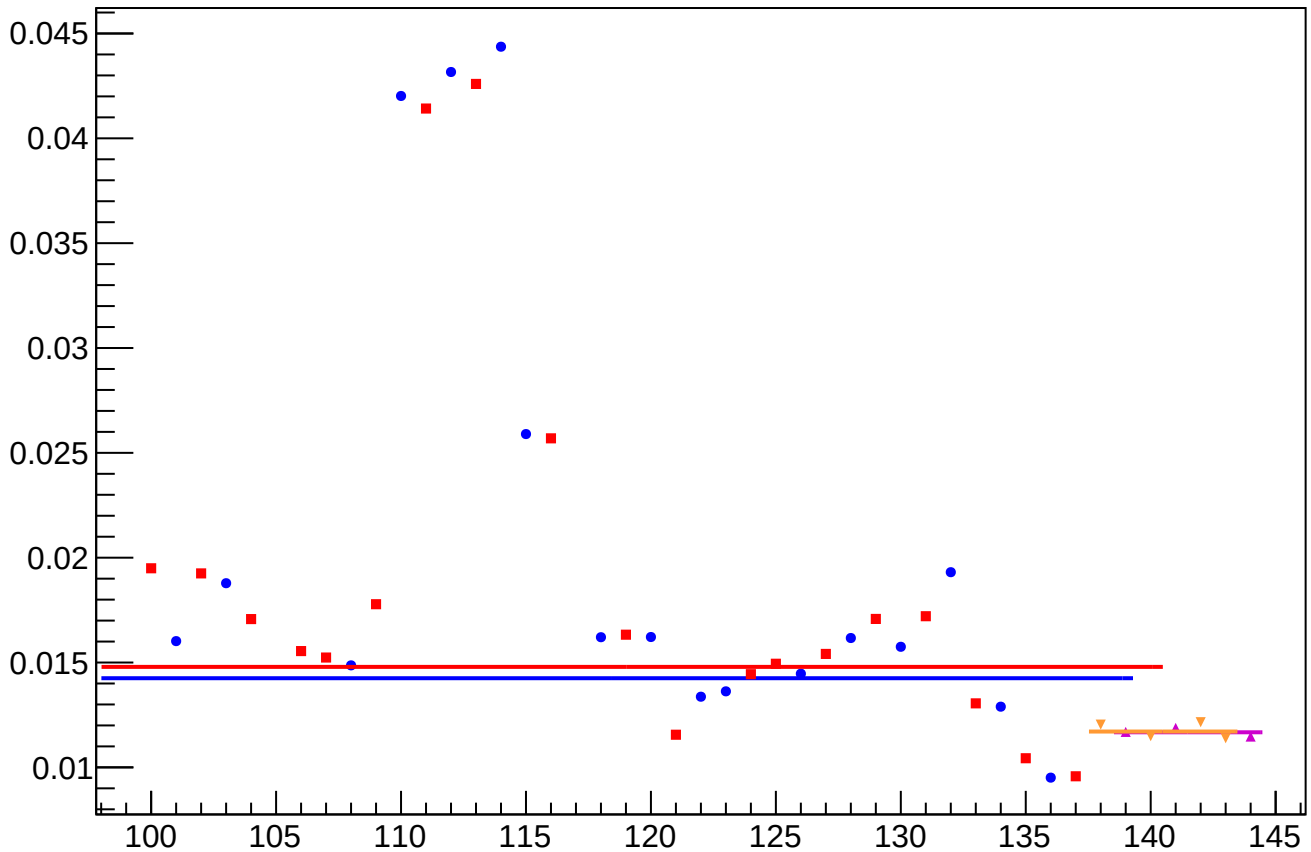
Left In: 0.774+/-0.000 χ^2/NDF :147642.0/2

+ sign 0.846+/-0.000 χ^2/NDF : 2560851888.7/20

All: 0.858+/-0.000 χ^2/NDF : 5248796594.8/42

- sign 0.870+/-0.000 χ^2/NDF : 2675111907.4/21

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:3756.9/3

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1271820.6/18

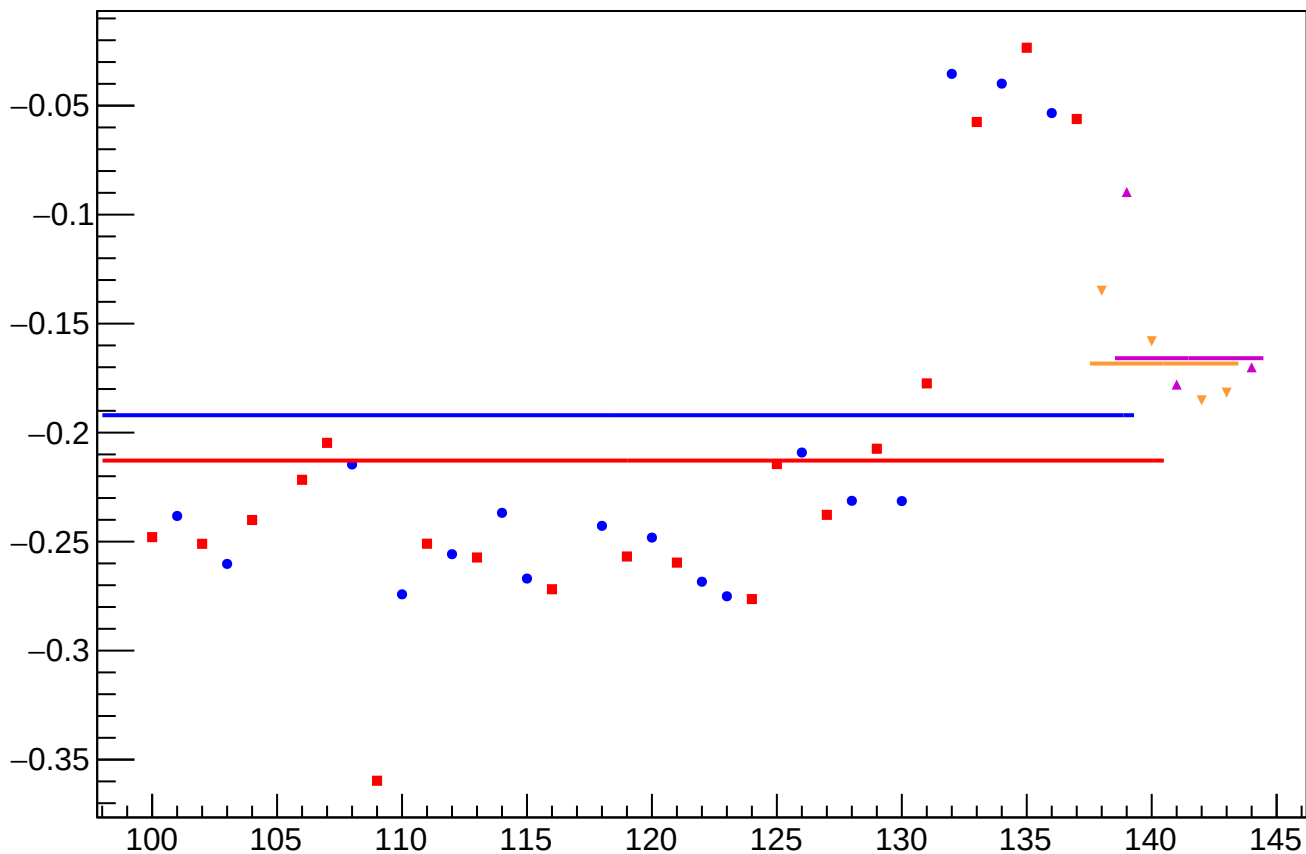
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:1033.3/2

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 1556446.5/20

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 3038344.0/42

- sign 0.014 $\pm$ 0.000 χ^2 /NDF: 1476089.3/21

yield_bpm4ecX_mean vs Slug



Right In: -0.192 ± 0.000 χ^2/NDF : 106200458.9/16

Left Out: -0.168 ± 0.000 χ^2/NDF : 1848709.8/3

Right Out: -0.213 ± 0.000 χ^2/NDF : 110522593.6/18

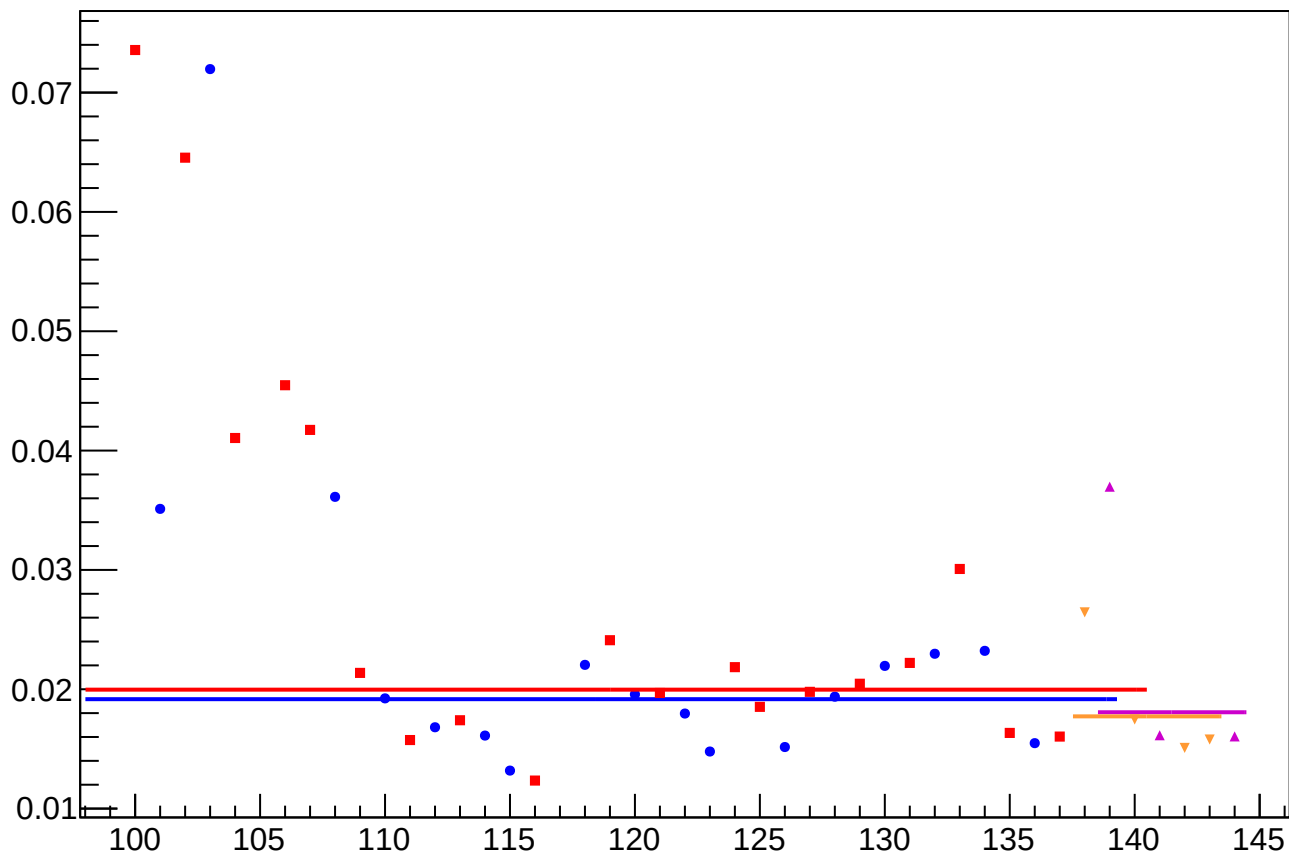
Left In: -0.166 ± 0.000 χ^2/NDF : 3238645.9/2

+ sign -0.185 ± 0.000 χ^2/NDF : 110336406.4/20

All: -0.192 ± 0.000 χ^2/NDF : 234248530.6/42

- sign -0.199 ± 0.000 χ^2/NDF : 121956181.6/21

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1182752.8/16

Left Out: 0.018+/-0.000 χ^2/NDF :163388.8/3

Right Out: 0.020+/-0.000 χ^2/NDF : 1445067.6/18

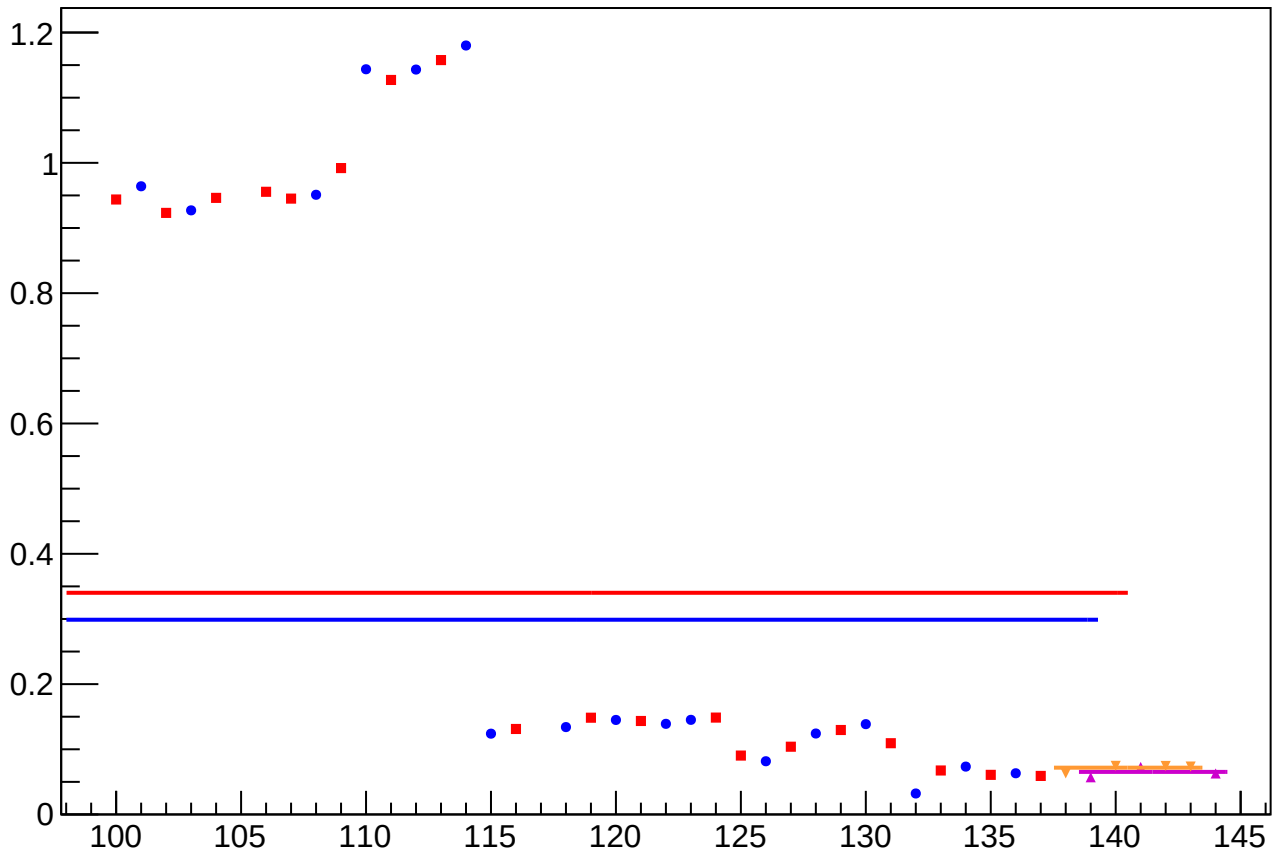
Left In: 0.018+/-0.000 χ^2/NDF :389173.4/2

+ sign 0.019+/-0.000 χ^2/NDF : 1363032.7/20

All: 0.019+/-0.000 χ^2/NDF : 3232772.9/42

- sign 0.019+/-0.000 χ^2/NDF : 1860906.2/21

yield_bpm4ecY_mean vs Slug



Right In: 0.299+/-0.000 χ^2/NDF : 5180137730.5/16

Left Out: 0.072+/-0.000 χ^2/NDF :423349.6/3

Right Out: 0.340+/-0.000 χ^2/NDF : 5473541358.4/18

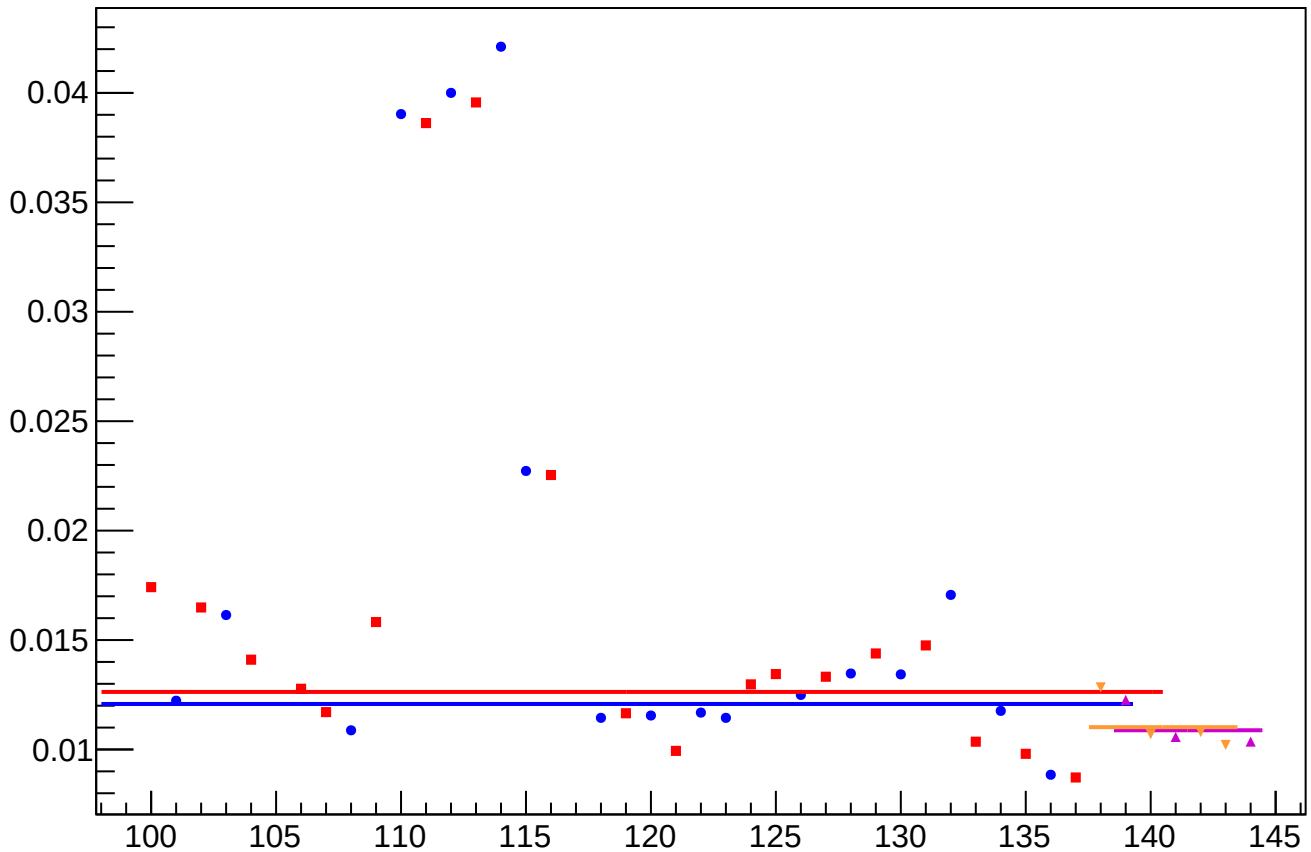
Left In: 0.065+/-0.000 χ^2/NDF :759467.5/2

+ sign 0.221+/-0.000 χ^2/NDF : 5867506941.4/20

All: 0.233+/-0.000 χ^2/NDF : 12311062965.6/4

- sign 0.246+/-0.000 χ^2/NDF : 6424909129.0/21

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:38005.0/3

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1235880.5/18

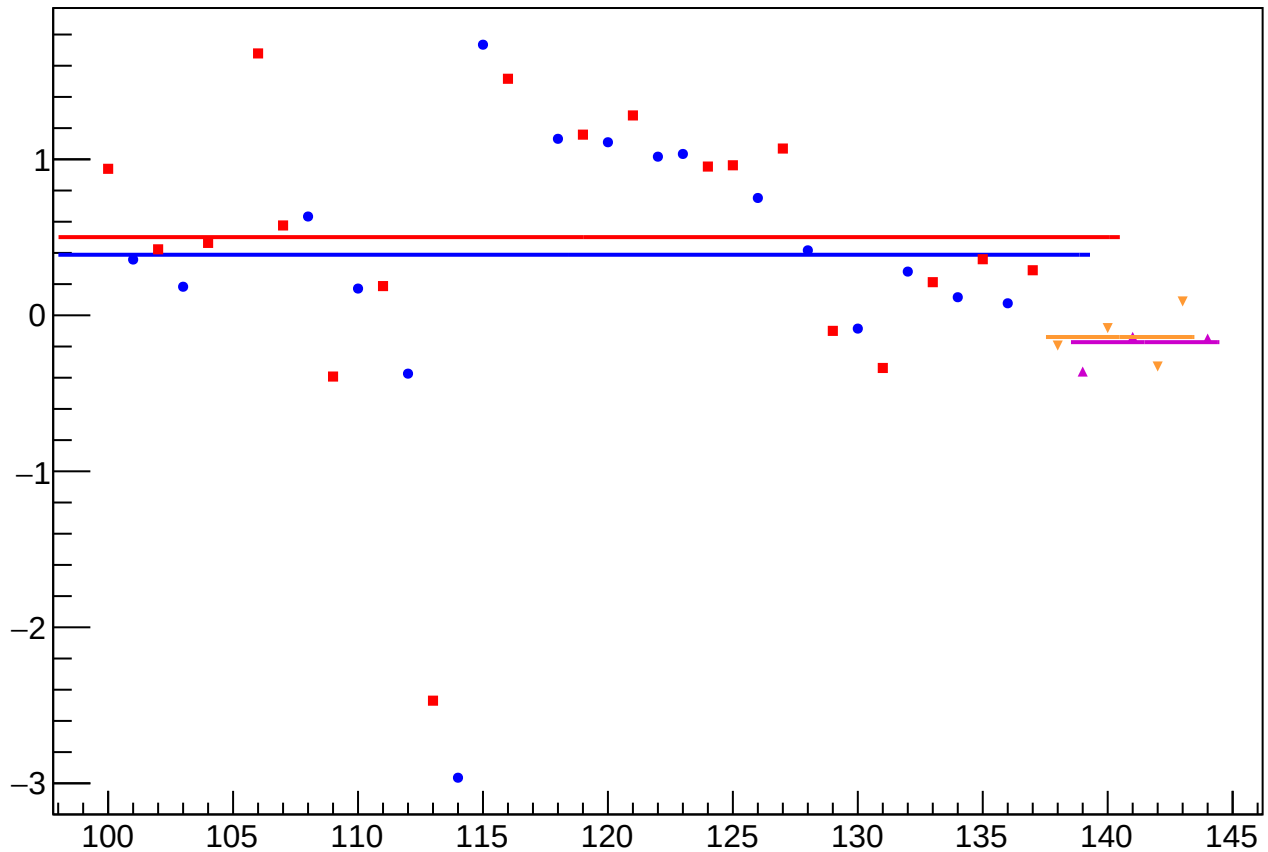
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:22299.3/2

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1344634.9/20

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 2685830.1/42

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 1335442.5/21

yield_bpm1X_mean vs Slug



Right In: 0.388 ± 0.000 χ^2/NDF : 245257258.4/16

Left Out: -0.139 ± 0.000 χ^2/NDF : 8966964.4/3

Right Out: 0.501 ± 0.000 χ^2/NDF : 983034937.0/18

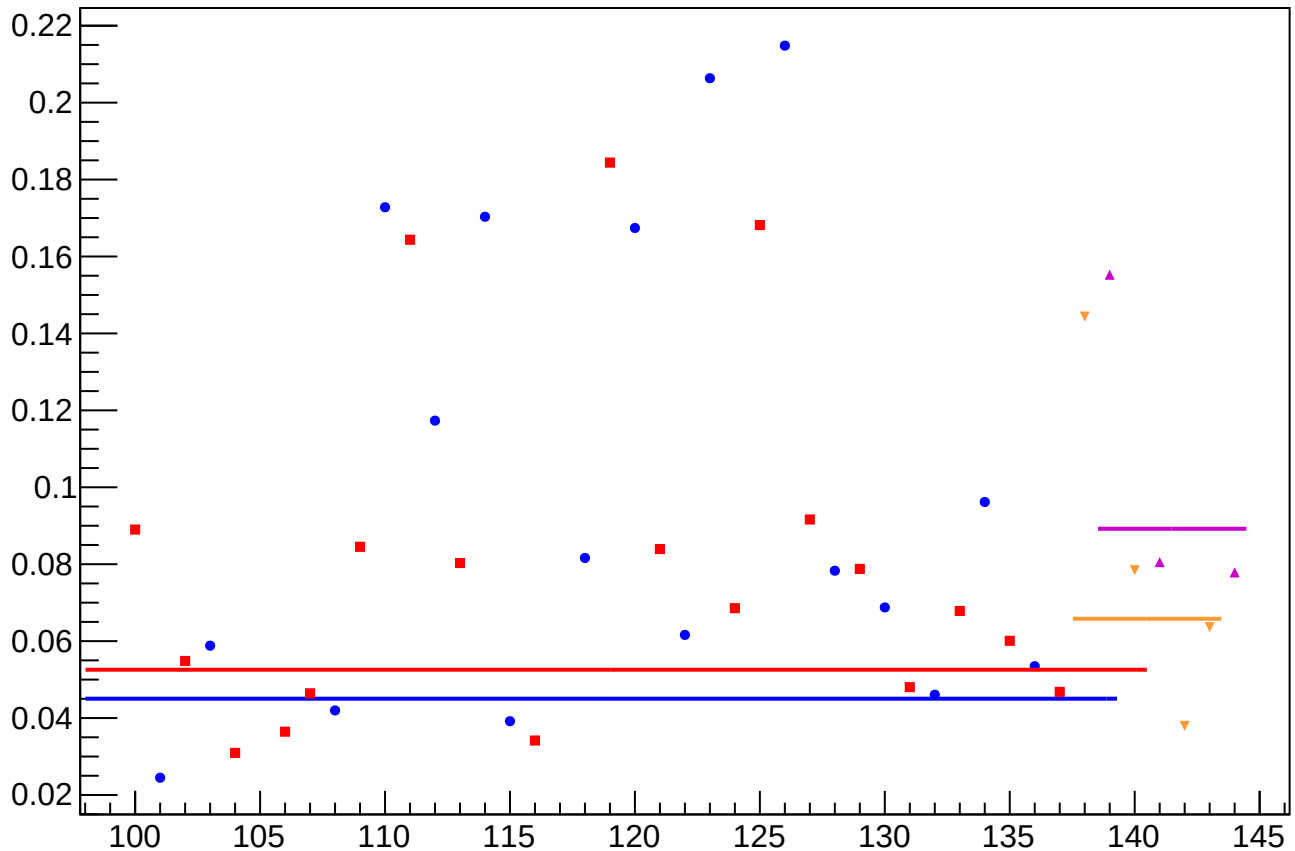
Left In: -0.172 ± 0.000 χ^2/NDF : 1006243.9/2

+ sign 0.307 ± 0.000 χ^2/NDF : 328670474.4/20

All: 0.361 ± 0.000 χ^2/NDF : 1400809068.8/42

- sign 0.427 ± 0.000 χ^2/NDF : 1059018799.8/21

yield_bpm1X_rms vs Slug



Right In: 0.045 $\pm$ 0.000 χ^2 /NDF: 2830669.1/16

Left Out: 0.066 $\pm$ 0.000 χ^2 /NDF:591129.5/3

Right Out: 0.053 $\pm$ 0.000 χ^2 /NDF: 2177690.7/18

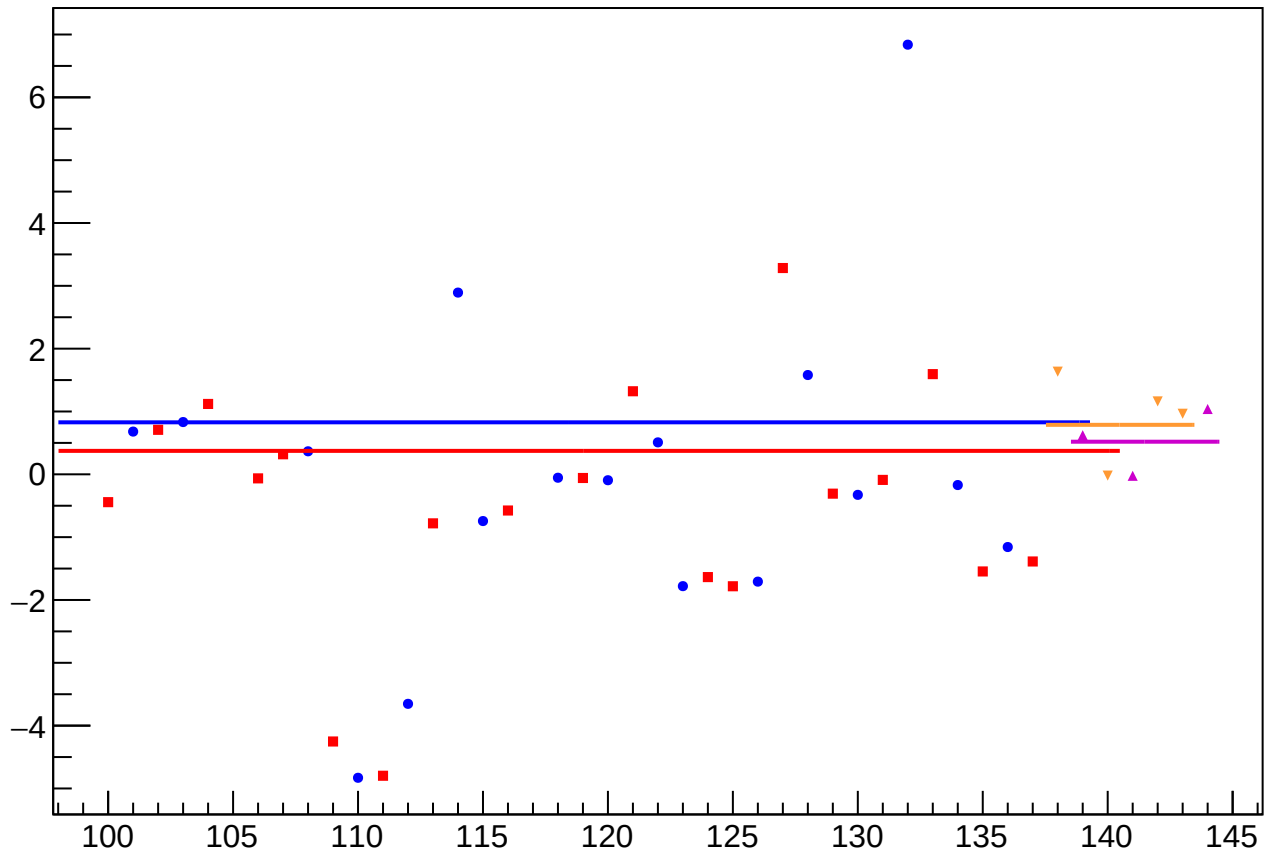
Left In: 0.089 $\pm$ 0.000 χ^2 /NDF:246766.7/2

+ sign 0.048 $\pm$ 0.000 χ^2 /NDF: 3653034.3/20

All: 0.052 $\pm$ 0.000 χ^2 /NDF: 6652945.1/42

- sign 0.057 $\pm$ 0.000 χ^2 /NDF: 2868939.8/21

yield_bpm1Y_mean vs Slug



Right In: 0.828+/-0.000 χ^2/NDF : 10934615588.5/16

Left Out: 0.788+/-0.000 χ^2/NDF : 162384449.5/3

Right Out: 0.373+/-0.000 χ^2/NDF : 4968052358.8/18

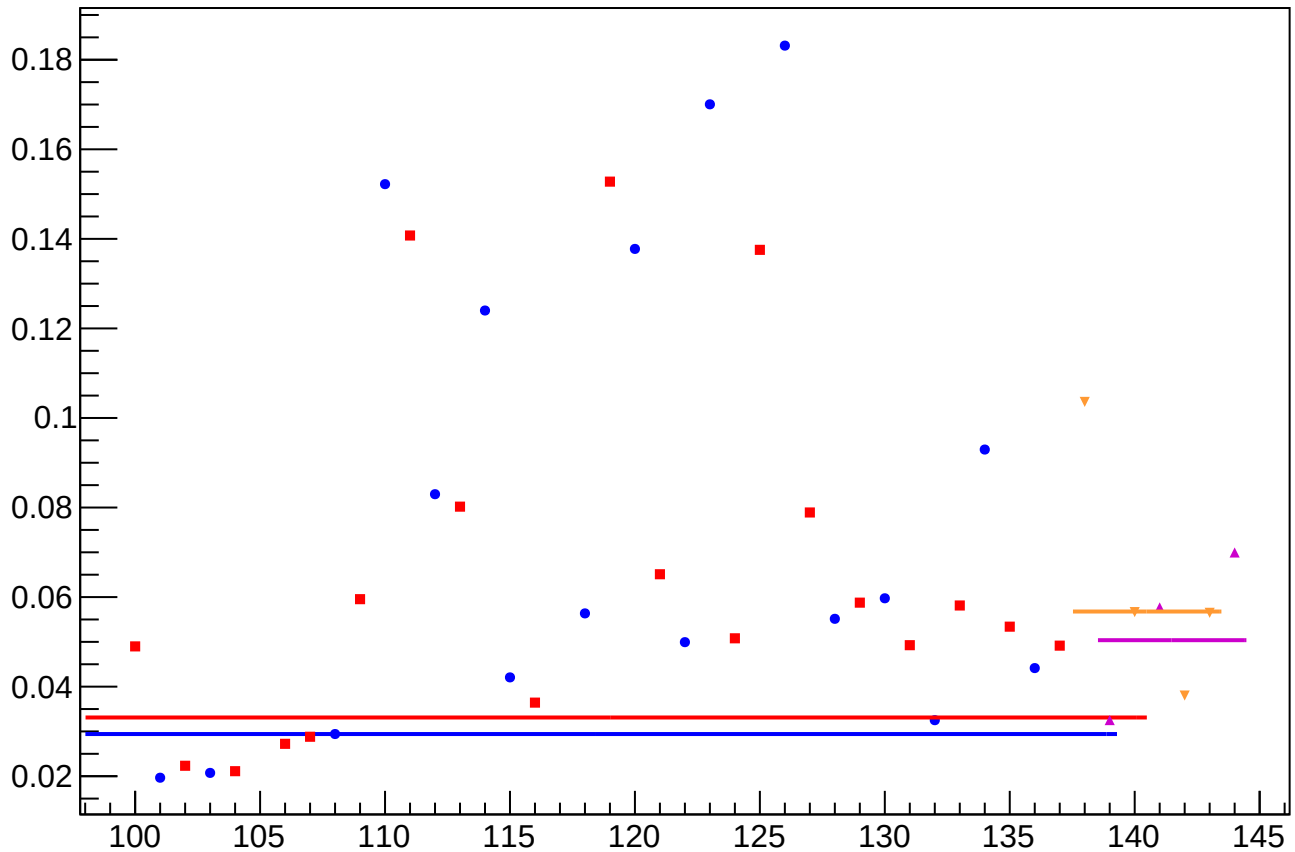
Left In: 0.519+/-0.000 χ^2/NDF : 74027216.3/2

+ sign 0.823+/-0.000 χ^2/NDF : 11097665595.2/20

All: 0.619+/-0.000 χ^2/NDF : 16539172529.4/4

- sign 0.389+/-0.000 χ^2/NDF : 5050305899.1/21

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 3034312.5/16

Left Out: 0.057+/-0.000 χ^2/NDF :348770.1/3

Right Out: 0.033+/-0.000 χ^2/NDF : 3078516.1/18

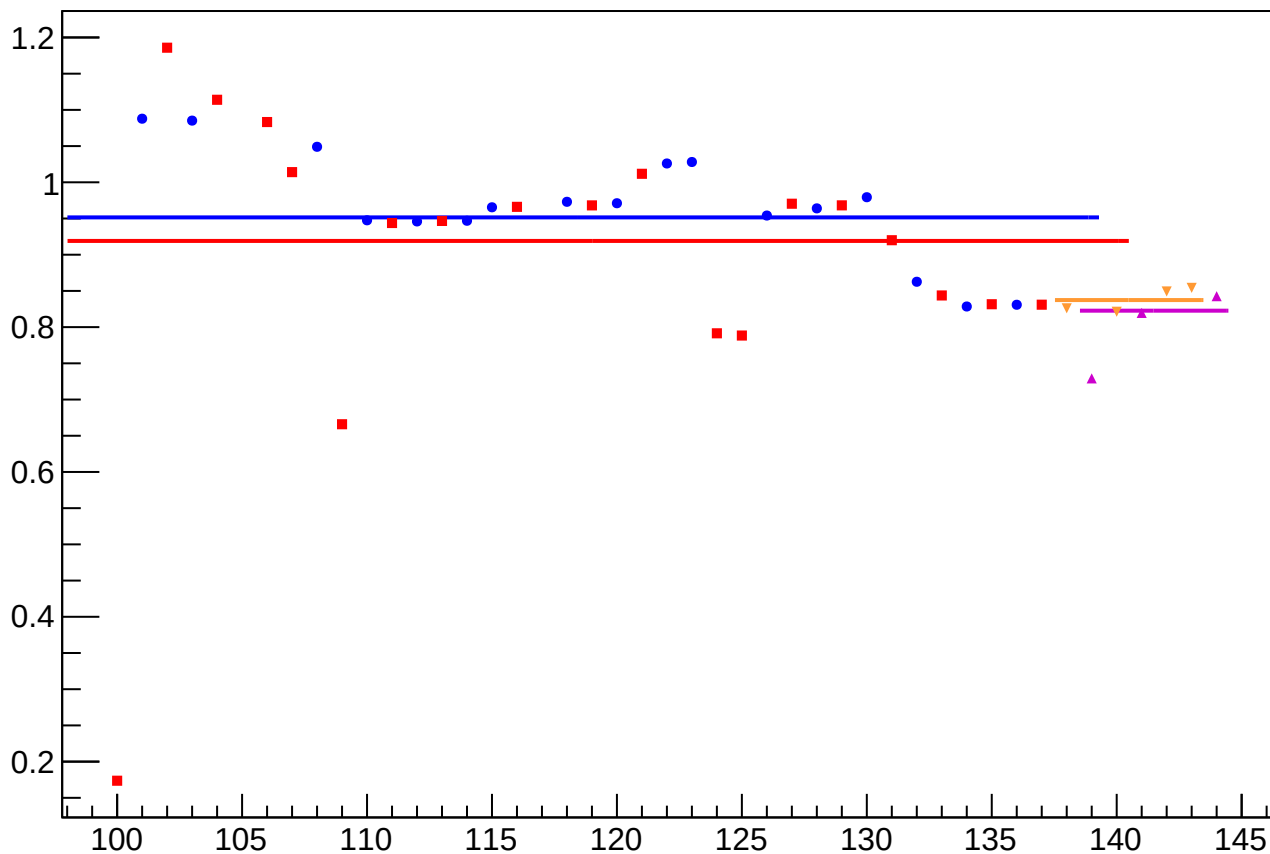
Left In: 0.050+/-0.000 χ^2/NDF :216265.0/2

+ sign 0.032+/-0.000 χ^2/NDF : 4009208.4/20

All: 0.034+/-0.000 χ^2/NDF : 7564638.5/42

- sign 0.035+/-0.000 χ^2/NDF : 3525243.8/21

yield_bpm11X_mean vs Slug



Right In: 0.952 ± 0.000 χ^2/NDF : 173959453.0/16

Left Out: 0.837 ± 0.000 χ^2/NDF : 3109466.2/3

Right Out: 0.919 ± 0.000 χ^2/NDF : 374715264.1/18

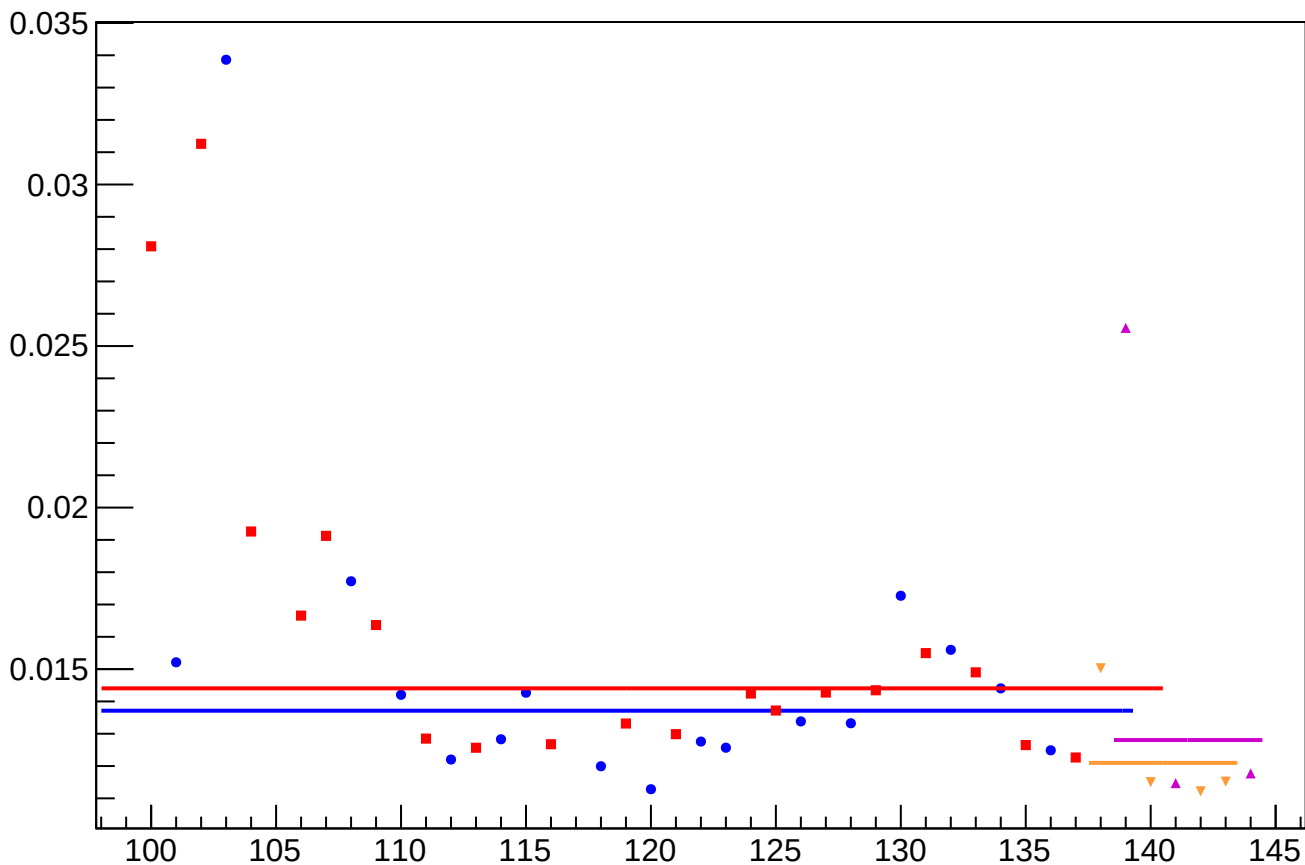
Left In: 0.823 ± 0.000 χ^2/NDF : 11057795.1/2

+ sign 0.916 ± 0.000 χ^2/NDF : 303376830.2/20

All: 0.904 ± 0.000 χ^2/NDF : 780318501.4/42

- sign 0.891 ± 0.000 χ^2/NDF : 464113775.9/21

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 546221.8/16

Left Out: 0.012+/-0.000 χ^2/NDF : 55045.9/3

Right Out: 0.014+/-0.000 χ^2/NDF : 502019.0/18

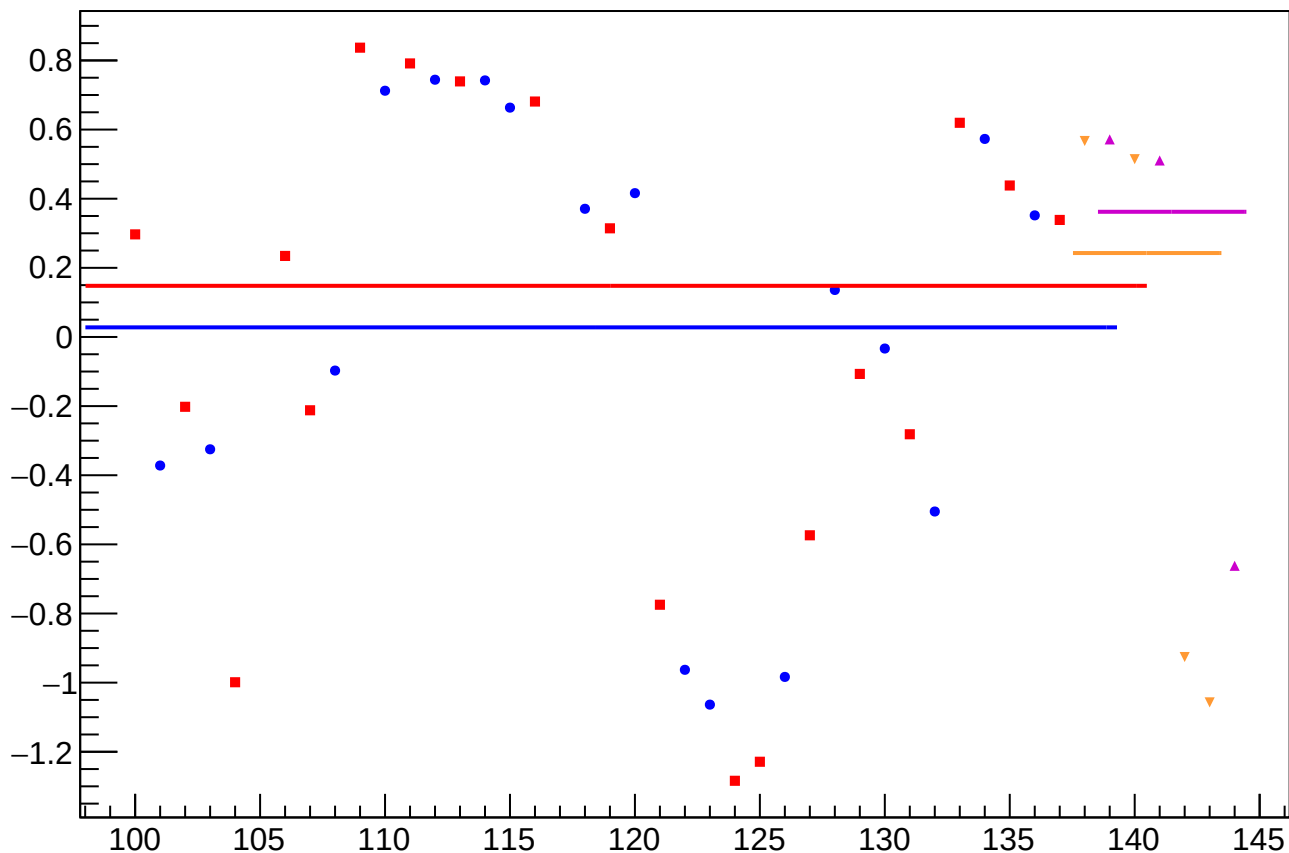
Left In: 0.013+/-0.000 χ^2/NDF : 358222.3/2

+ sign 0.013+/-0.000 χ^2/NDF : 651821.4/20

All: 0.014+/-0.000 χ^2/NDF : 1578669.6/42

- sign 0.014+/-0.000 χ^2/NDF : 903494.2/21

yield_bpm11Y_mean vs Slug



Right In: 0.028 $\pm$ 0.000 χ^2 /NDF: 6330660019.5/16

Left Out: 0.243 $\pm$ 0.000 χ^2 /NDF:10719820428.6/3

Right Out: 0.148 $\pm$ 0.000 χ^2 /NDF: 12786884425.3/18

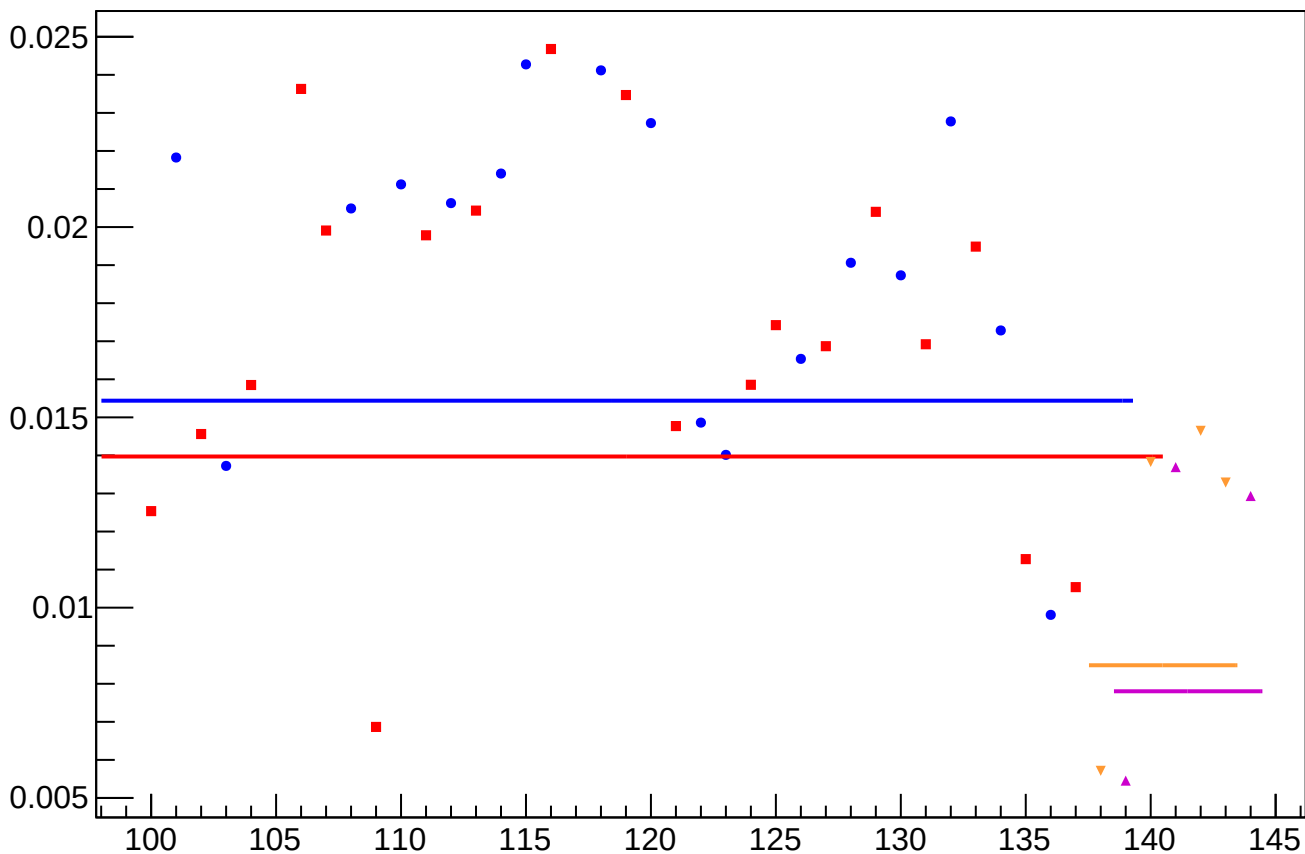
Left In: 0.362 $\pm$ 0.000 χ^2 /NDF:6208805811.4/2

+ sign 0.143 $\pm$ 0.000 χ^2 /NDF: 17634132051.1/20

All: 0.205 $\pm$ 0.000 χ^2 /NDF: 37669414388.1/4

- sign 0.258 $\pm$ 0.000 χ^2 /NDF: 19671158973.8/21

yield_bpm11Y_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1160014.9/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:801930.6/3

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 1556431.6/18

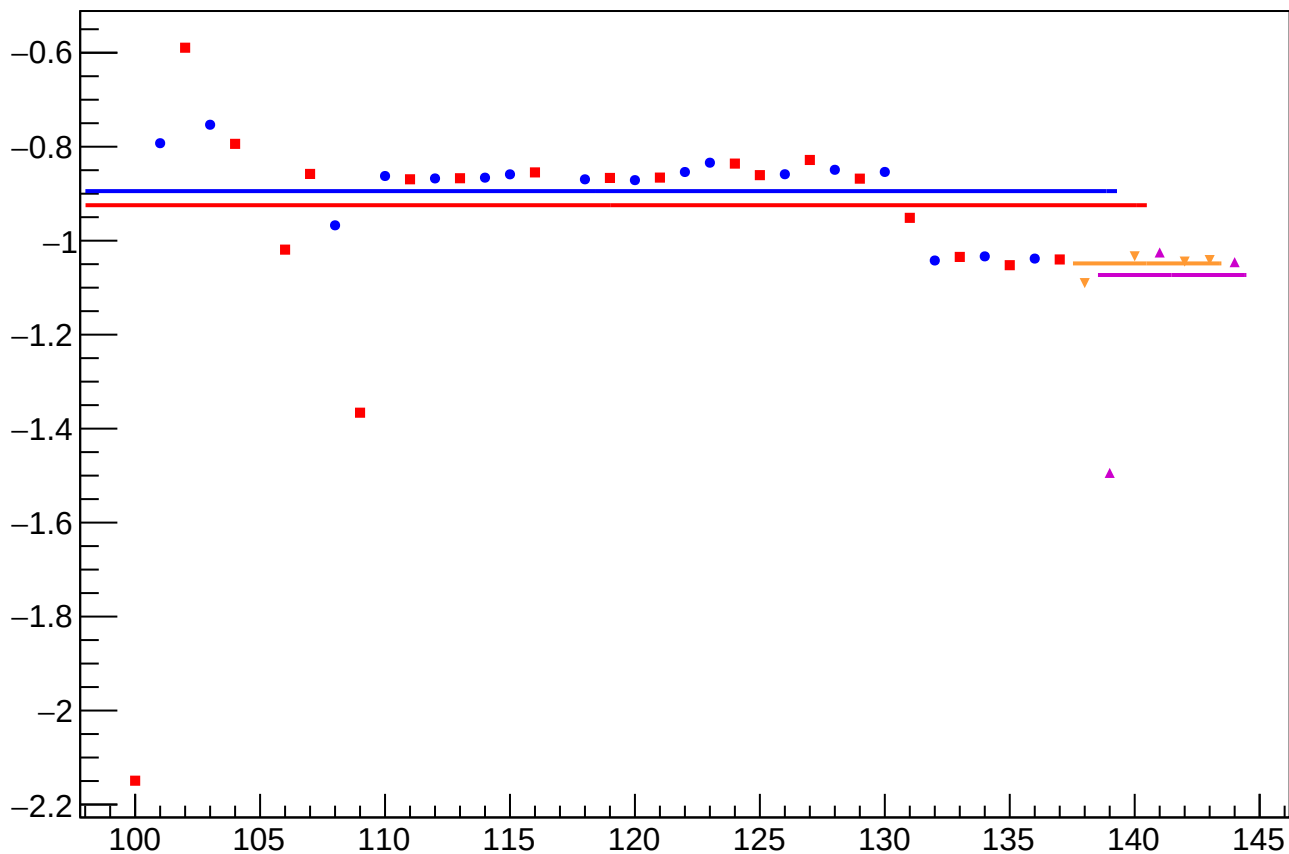
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:782680.8/2

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 3182058.0/20

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 6688952.1/42

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 3459883.5/21

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 : 905004.3/3

Right Out: -0.925 ± 0.000 χ^2/NDF : 128456555.8/18

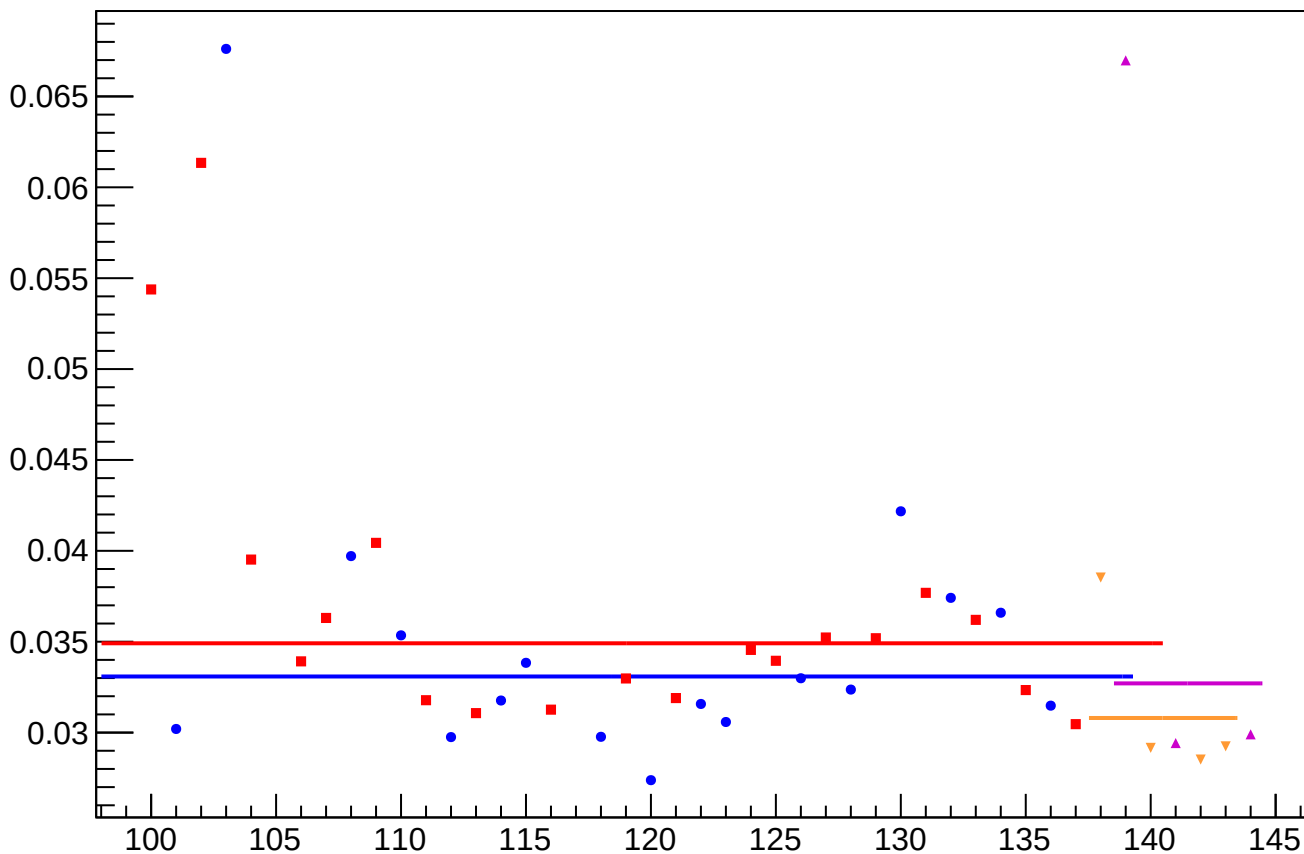
Left In: -1.073 ± 0.000 χ^2/NDF : 28449292.6/2

+ sign -0.939 ± 0.000 χ^2/NDF : 74988846.3/20

All: -0.951 ± 0.000 χ^2/NDF : 263368270.7/42

- sign -0.964 ± 0.000 χ^2/NDF : 186154421.0/21

yield_bpm12X_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 408714.5/16

Left Out: 0.031+/-0.000 χ^2/NDF :59160.0/3

Right Out: 0.035+/-0.000 χ^2/NDF : 274757.5/18

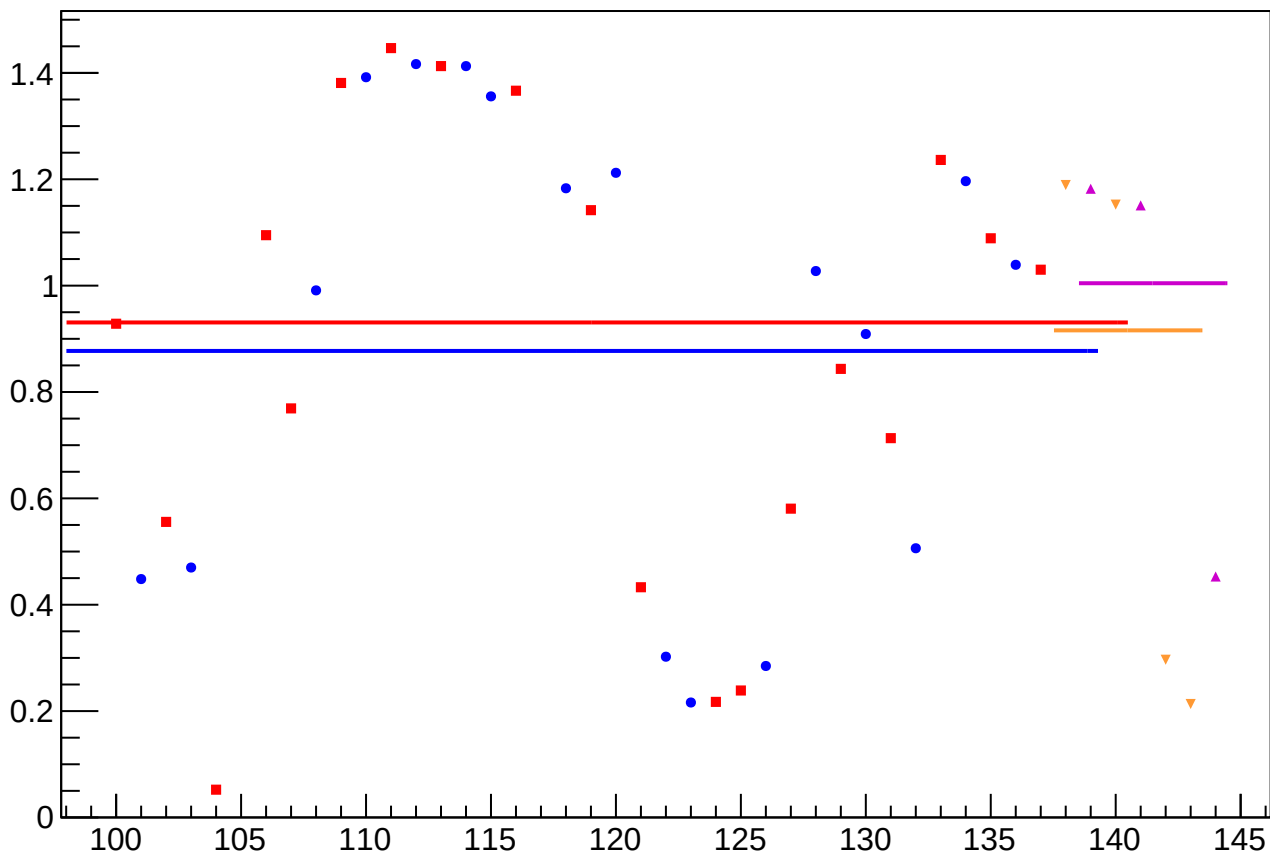
Left In: 0.033+/-0.000 χ^2/NDF :374733.4/2

+ sign 0.032+/-0.000 χ^2/NDF : 483877.3/20

All: 0.033+/-0.000 χ^2/NDF : 1172104.7/42

- sign 0.034+/-0.000 χ^2/NDF : 662396.5/21

yield_bpm12Y_mean vs Slug



Right In: 0.877 $\pm$ 0.000 χ^2 /NDF: 6492530367.5/16

Left Out: 0.916 $\pm$ 0.000 χ^2 /NDF: 7894457667.8/3

Right Out: 0.931 $\pm$ 0.000 χ^2 /NDF: 9963132374.2/18

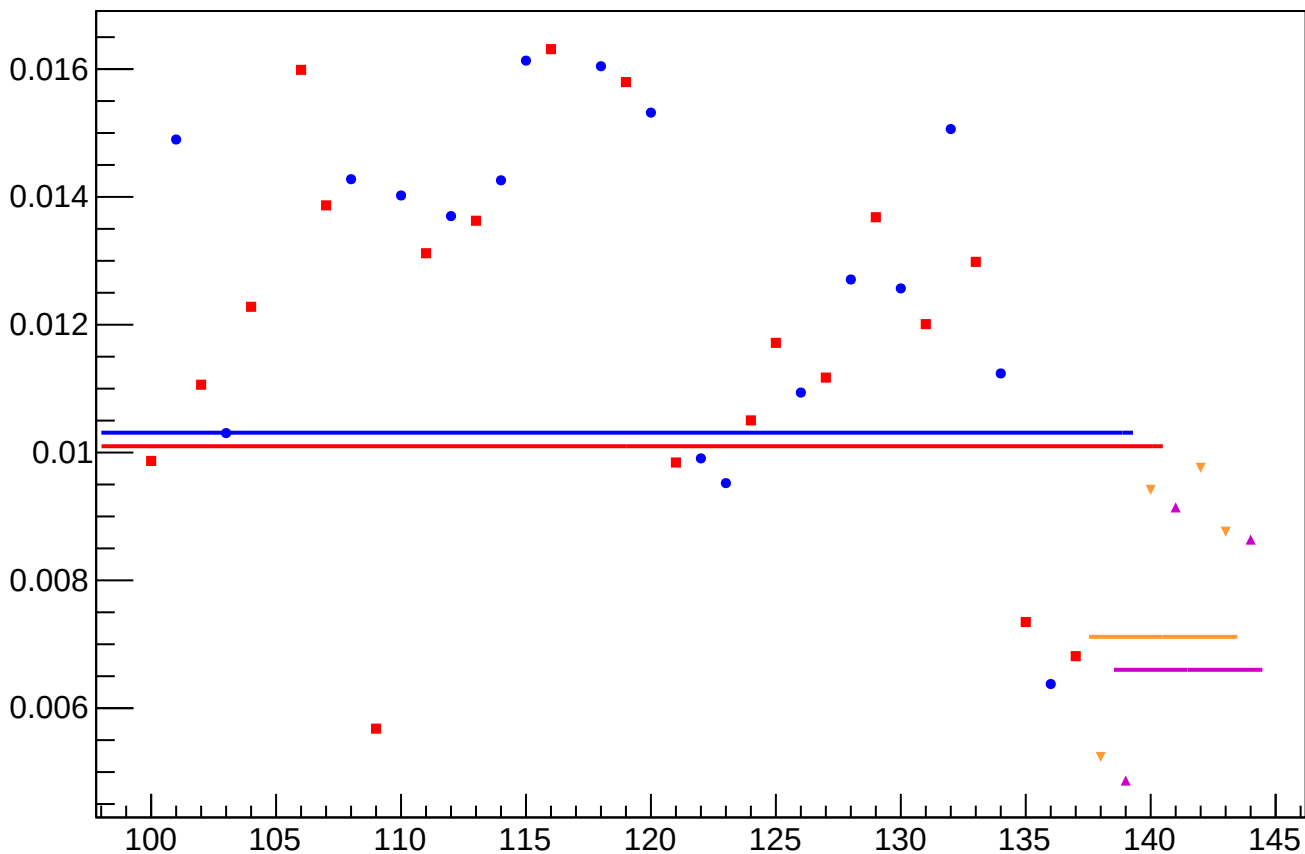
Left In: 1.005 $\pm$ 0.000 χ^2 /NDF: 4422436833.4/2

+ sign 0.895 $\pm$ 0.000 χ^2 /NDF: 14422945355.7/20

All: 0.931 $\pm$ 0.000 χ^2 /NDF: 29189899881.8/4

- sign 0.964 $\pm$ 0.000 χ^2 /NDF: 14526167701.4/21

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:358853.3/3

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1175272.9/18

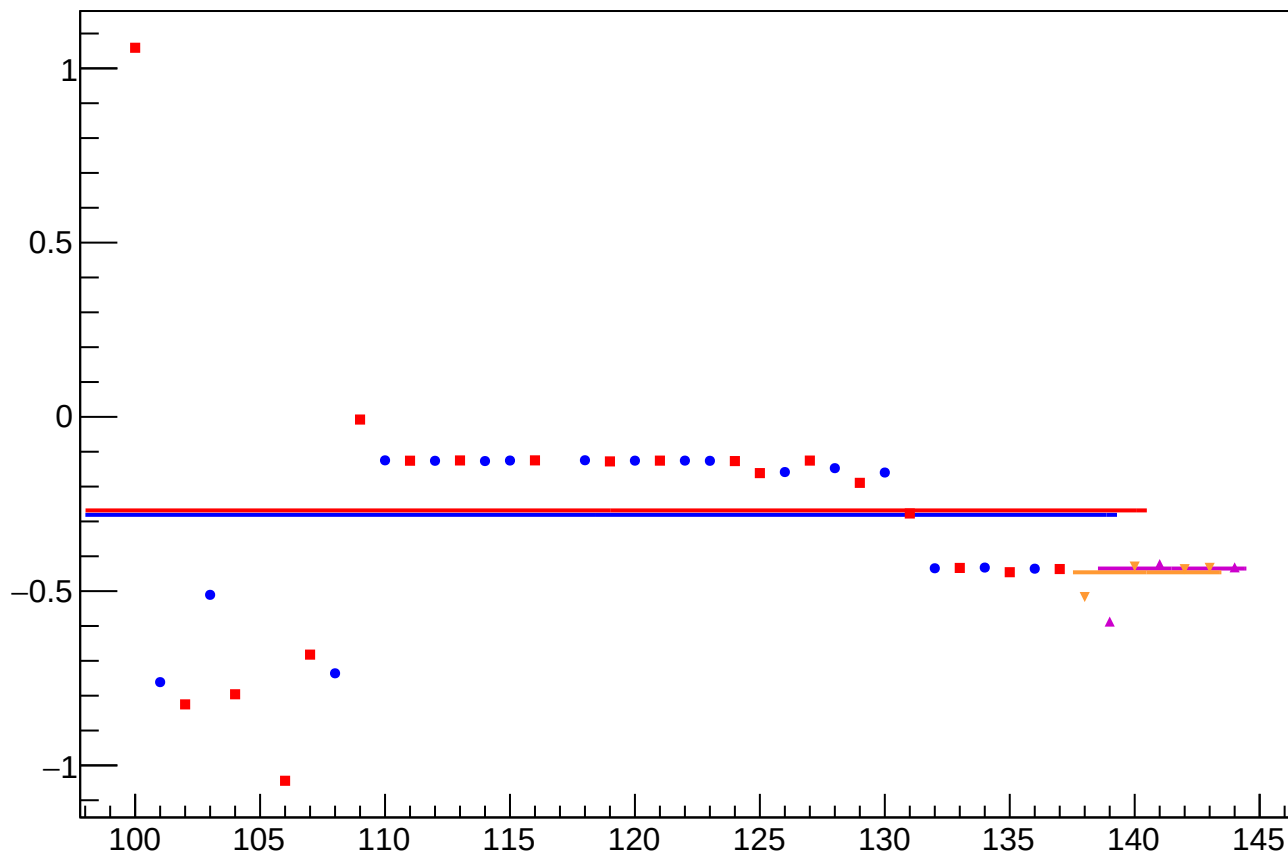
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:373602.4/2

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2078680.3/20

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 4271341.9/42

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 2181442.7/21

yield_bpm16X_mean vs Slug



Right In: -0.281 ± 0.000 χ^2/NDF : 905834039.3/16

Left Out: -0.446 ± 0.000 χ^2/NDF : 21854442.6/3

Right Out: -0.268 ± 0.000 χ^2/NDF : 967576606.4/18

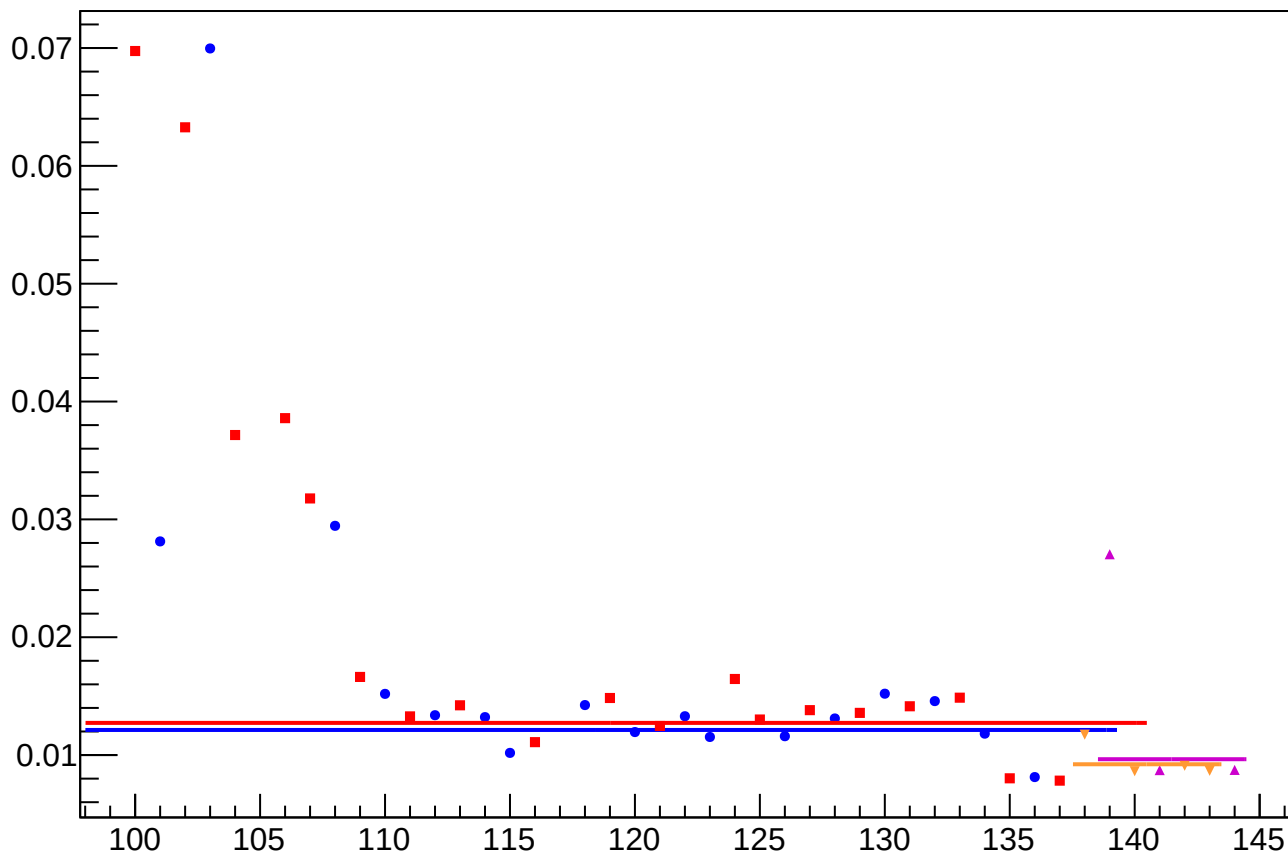
Left In: -0.435 ± 0.000 χ^2/NDF : 22523659.9/2

+ sign -0.349 ± 0.000 χ^2/NDF : 1287913824.0/20

All: -0.341 ± 0.000 χ^2/NDF : 2600062254.1/4

- sign -0.332 ± 0.000 χ^2/NDF : 1304074622.4/21

yield_bpm16X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1724778.2/16

Left Out: 0.009+/-0.000 χ^2/NDF : 55725.9/3

Right Out: 0.013+/-0.000 χ^2/NDF : 1970038.2/18

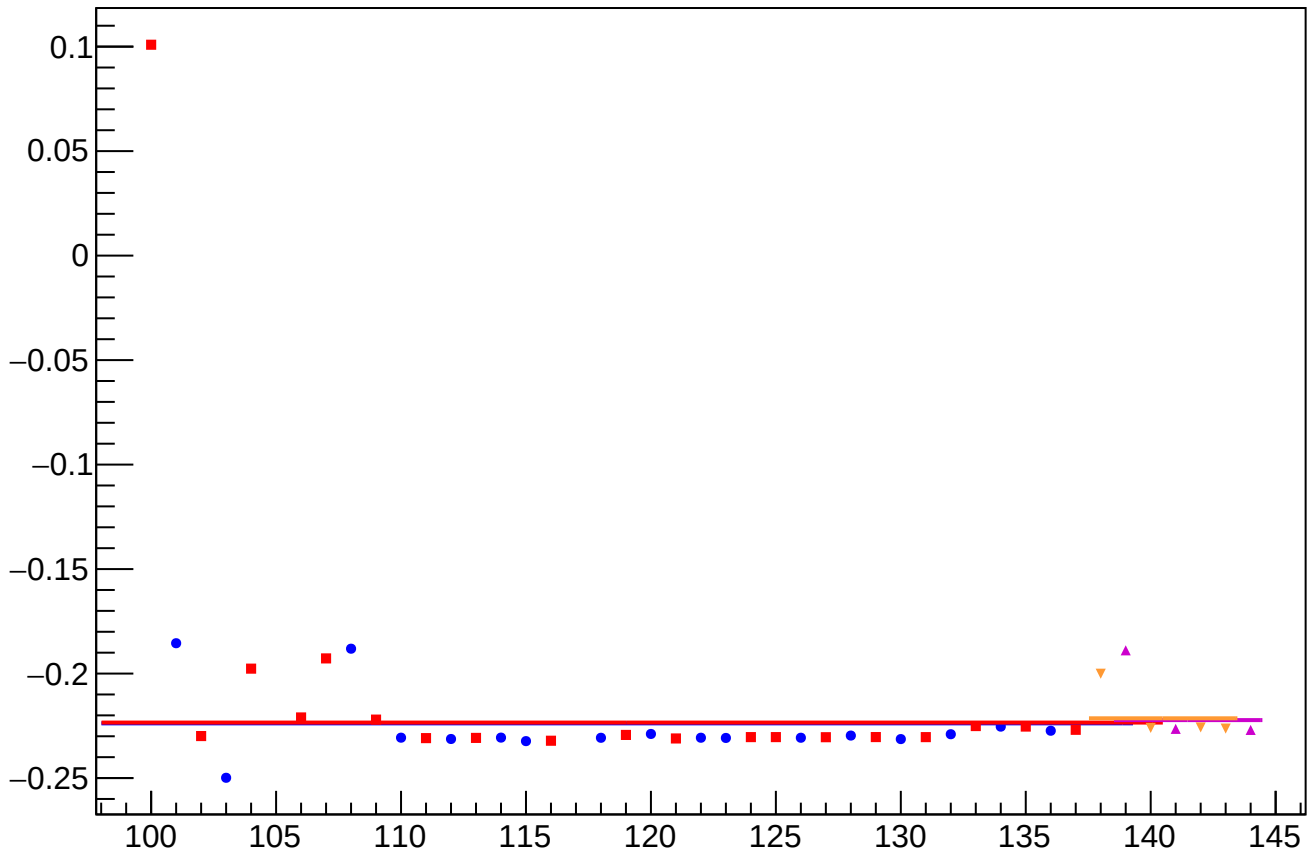
Left In: 0.010+/-0.000 χ^2/NDF : 579052.9/2

+ sign 0.011+/-0.000 χ^2/NDF : 2004844.5/20

All: 0.011+/-0.000 χ^2/NDF : 4789029.3/42

- sign 0.012+/-0.000 χ^2/NDF : 2763380.9/21

yield_bpm16Y_mean vs Slug



Right In: -0.224+/-0.000 χ^2/NDF : 74308262.0/16

Left Out: -0.221+/-0.000 χ^2/NDF : 11239924.2/3

Right Out: -0.223+/-0.000 χ^2/NDF : 167796311.6/18

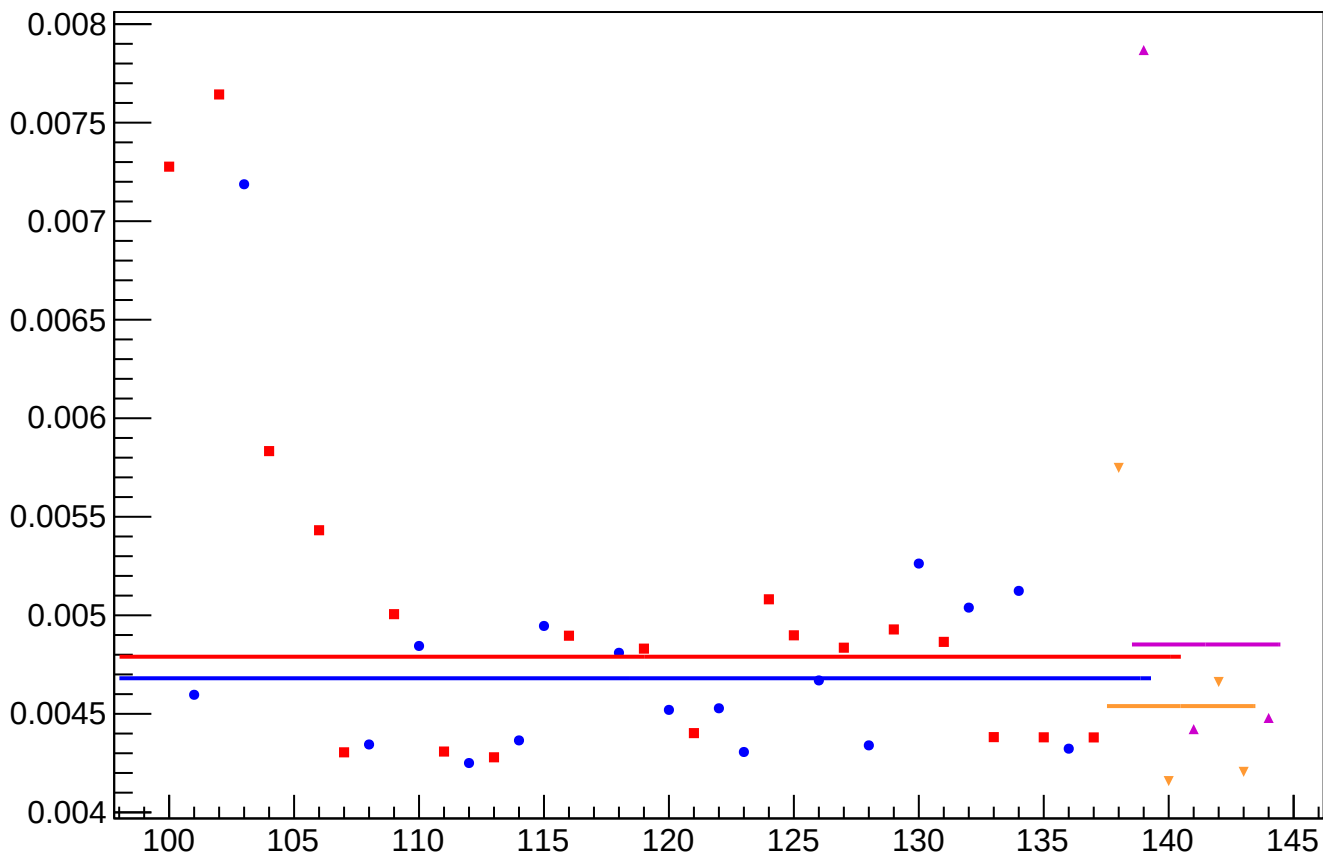
Left In: -0.222+/-0.000 χ^2/NDF : 13113008.1/2

+ sign -0.223+/-0.000 χ^2/NDF : 86016124.3/20

All: -0.223+/-0.000 χ^2/NDF : 267019026.5/42

- sign -0.223+/-0.000 χ^2/NDF : 181002560.4/21

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 : 78998.4/3

Right Out: 0.005+/-0.000 χ^2/NDF : 248518.8/18

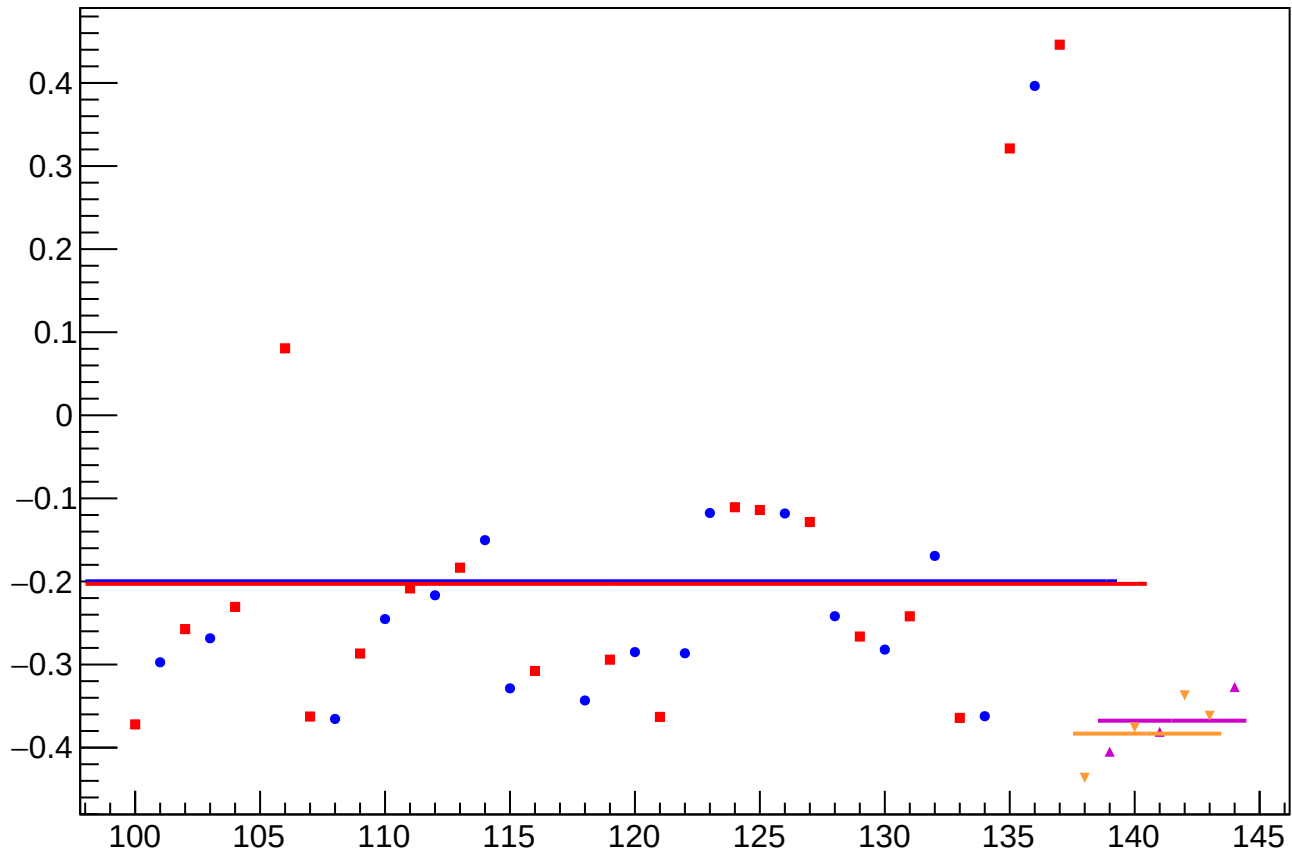
Left In: 0.005+/-0.000 χ^2/NDF : 214057.8/2

+ sign 0.005+/-0.000 χ^2/NDF : 262816.4/20

All: 0.005+/-0.000 χ^2/NDF : 736212.2/42

- sign 0.005+/-0.000 χ^2/NDF : 463094.5/21

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 : 131178464.1/3

+ sign -0.278+/-0.000 χ^2/NDF : 8071107600.5/20

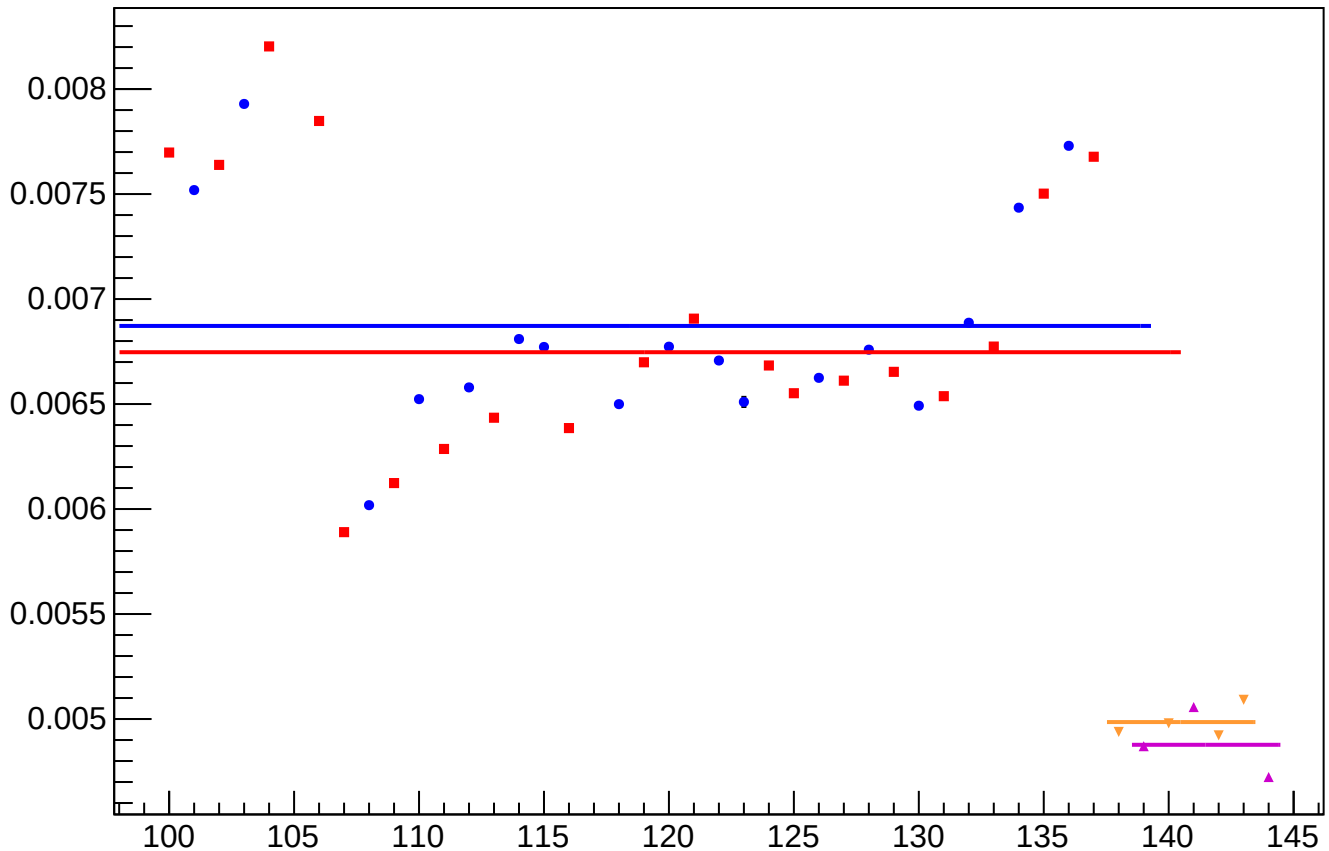
Right Out: -0.203+/-0.000 χ^2/NDF : 5025528680.0/18

All: -0.272+/-0.000 χ^2/NDF : 14807163781.6/21

Left In: -0.368+/-0.000 χ^2/NDF : 104209046.9/2

- sign -0.267+/-0.000 χ^2/NDF : 6722612527.9/21

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 :823.1/3

Right Out: 0.007+/-0.000 χ^2/NDF : 105420.2/18

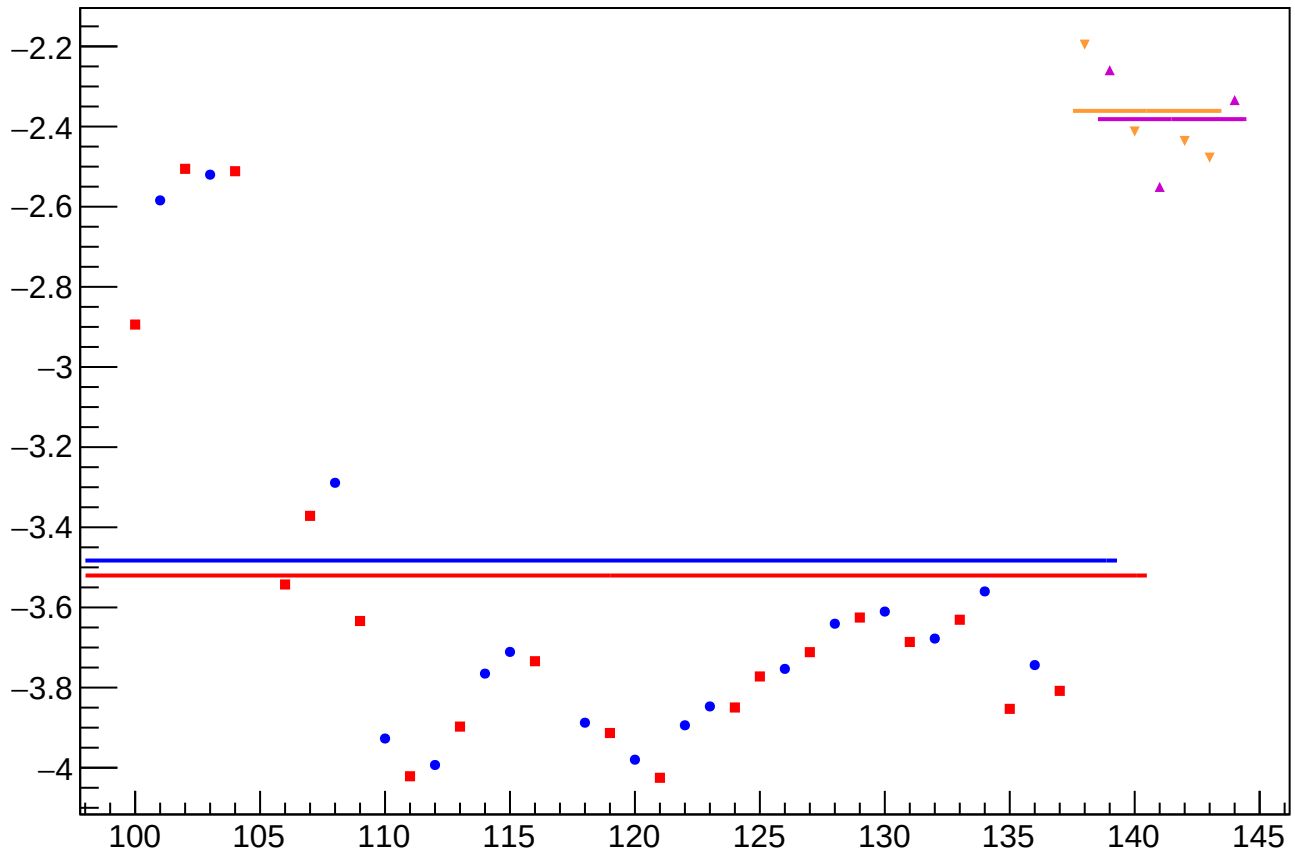
Left In: 0.005+/-0.000 χ^2/NDF :3777.6/2

+ sign 0.006+/-0.000 χ^2/NDF : 497493.6/20

All: 0.006+/-0.000 χ^2/NDF : 1017714.5/42

- sign 0.006+/-0.000 χ^2/NDF : 519512.4/21

yield_bpm0i02Y_mean vs Slug



Right In: -3.483 ± 0.000 χ^2/NDF : 27157654838.2/16

Left Out: -2.361 ± 0.000 χ^2/NDF : 344284283.8/3

+ sign -3.258 ± 0.000 χ^2/NDF : 52793420283.7/20

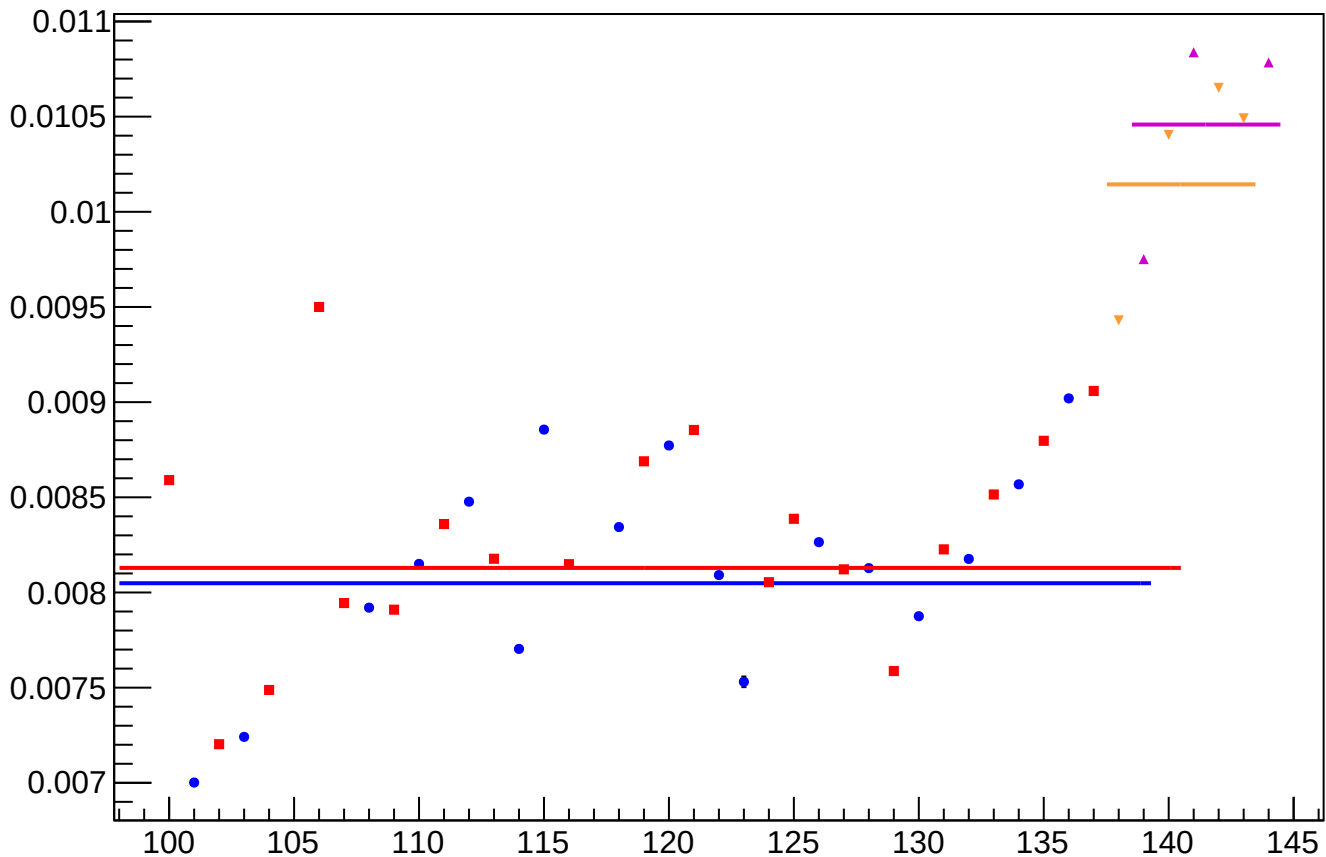
Right Out: -3.520 ± 0.000 χ^2/NDF : 26453336521.2/18

All: -3.291 ± 0.000 χ^2/NDF : 102676344963.0

- sign -3.324 ± 0.000 χ^2/NDF : 49609459939.9/21

Left In: -2.381 ± 0.000 χ^2/NDF : 324914874.5/2

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 :12661.3/3

Right Out: 0.008+/-0.000 χ^2/NDF : 57777.8/18

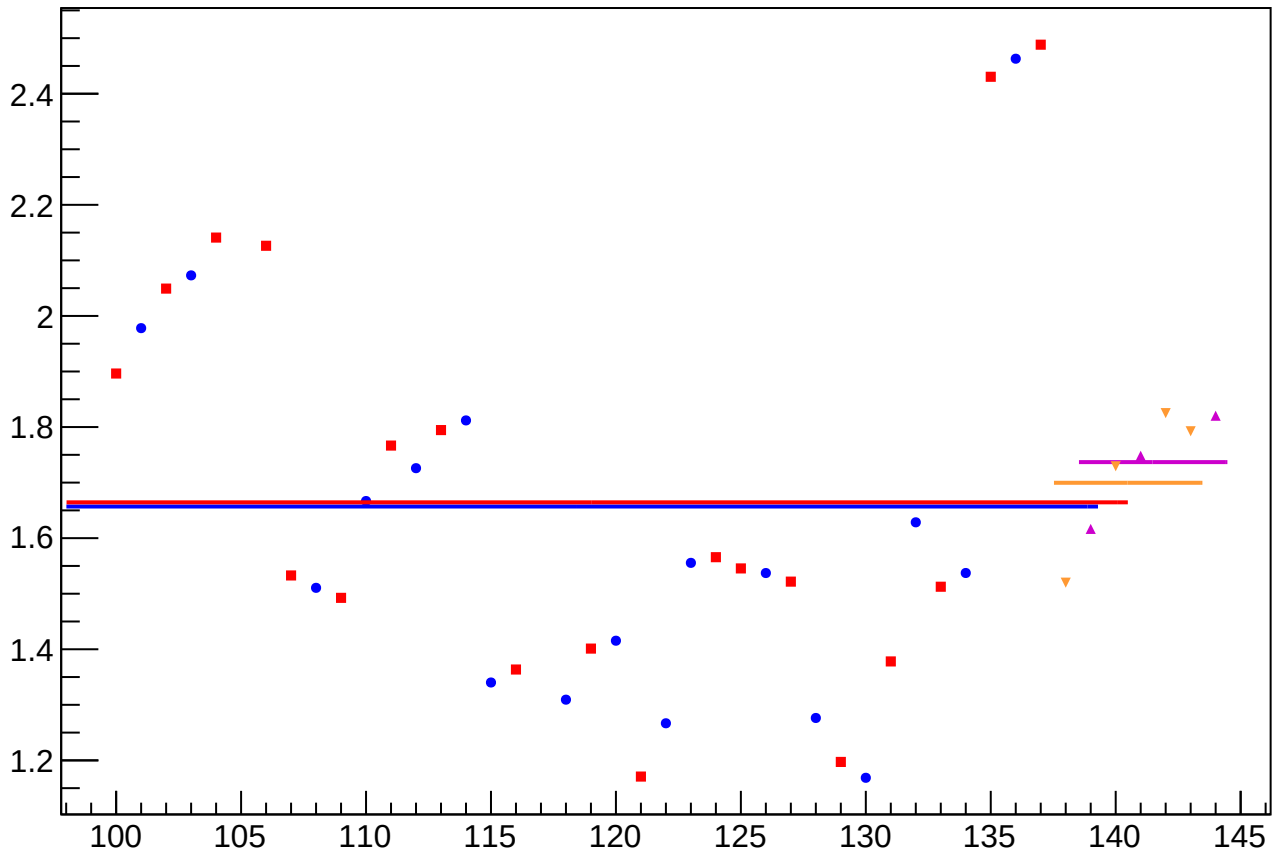
Left In: 0.010+/-0.000 χ^2/NDF :10639.5/2

+ sign 0.008+/-0.000 χ^2/NDF : 261259.9/20

All: 0.008+/-0.000 χ^2/NDF : 521165.9/42

- sign 0.009+/-0.000 χ^2/NDF : 259439.9/21

yield_bpm0i02aX_mean vs Slug



Right In: 1.657+/-0.000 χ^2/NDF : 6432420267.9/16

Left Out: 1.700+/-0.000 χ^2/NDF :303577755.2/3

Right Out: 1.664+/-0.000 χ^2/NDF : 5940917748.5/18

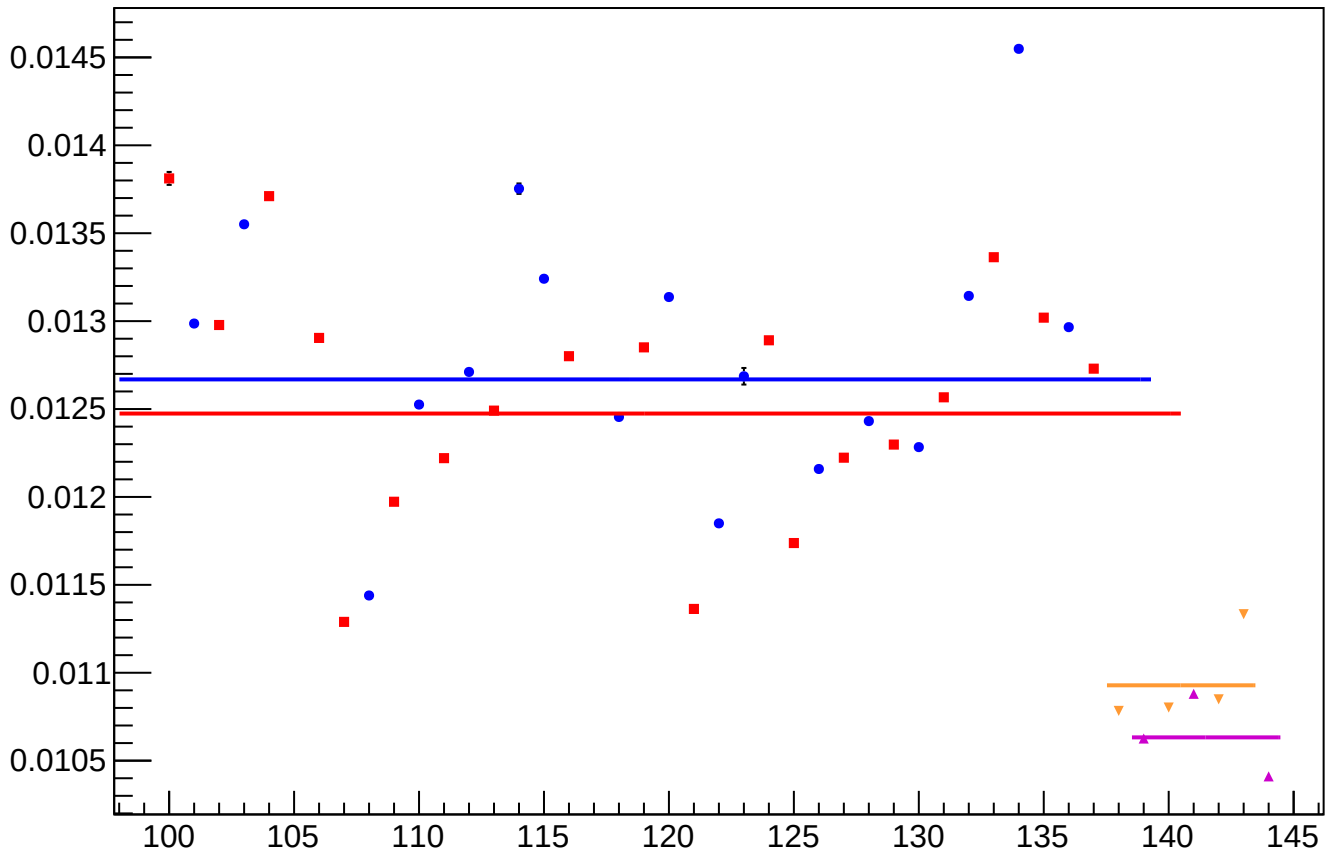
Left In: 1.737+/-0.000 χ^2/NDF :140316036.2/2

+ sign 1.672+/-0.000 χ^2/NDF : 6761540213.5/20

All: 1.680+/-0.000 χ^2/NDF : 12924296761.2/4

- sign 1.688+/-0.000 χ^2/NDF : 6154789192.6/21

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 : 2151.6/3

Right Out: 0.012+/-0.000 χ^2/NDF : 38559.4/18

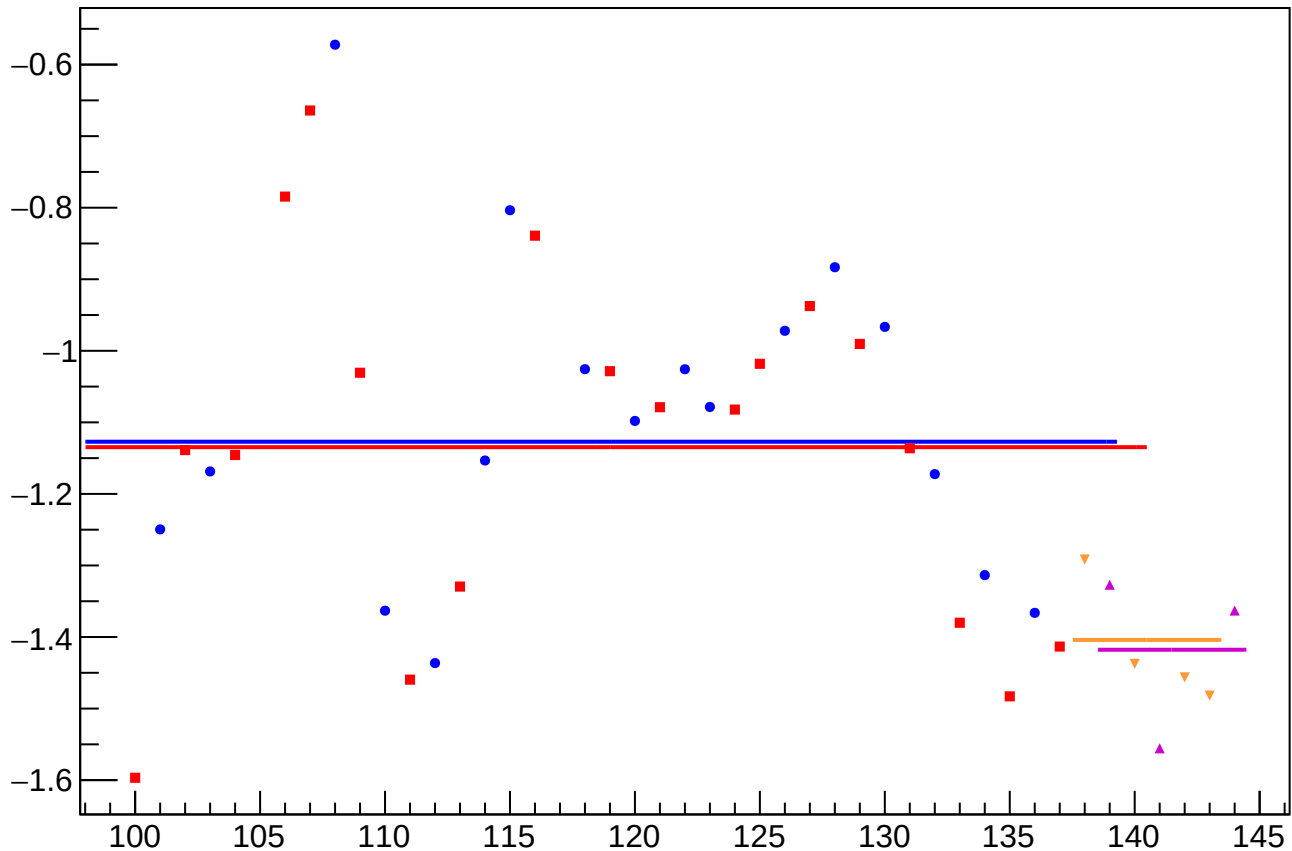
Left In: 0.011+/-0.000 χ^2/NDF : 1609.6/2

+ sign 0.012+/-0.000 χ^2/NDF : 118676.3/20

All: 0.012+/-0.000 χ^2/NDF : 256151.5/42

- sign 0.012+/-0.000 χ^2/NDF : 135383.8/21

yield_bpm0i02aY_mean vs Slug



Right In: -1.127+/-0.000 χ^2/NDF : 3546179478.6/16

Left Out: -1.404+/-0.000 χ^2/NDF : 235519328.8/3

Right Out: -1.135+/-0.000 χ^2/NDF : 3674870672.6/18

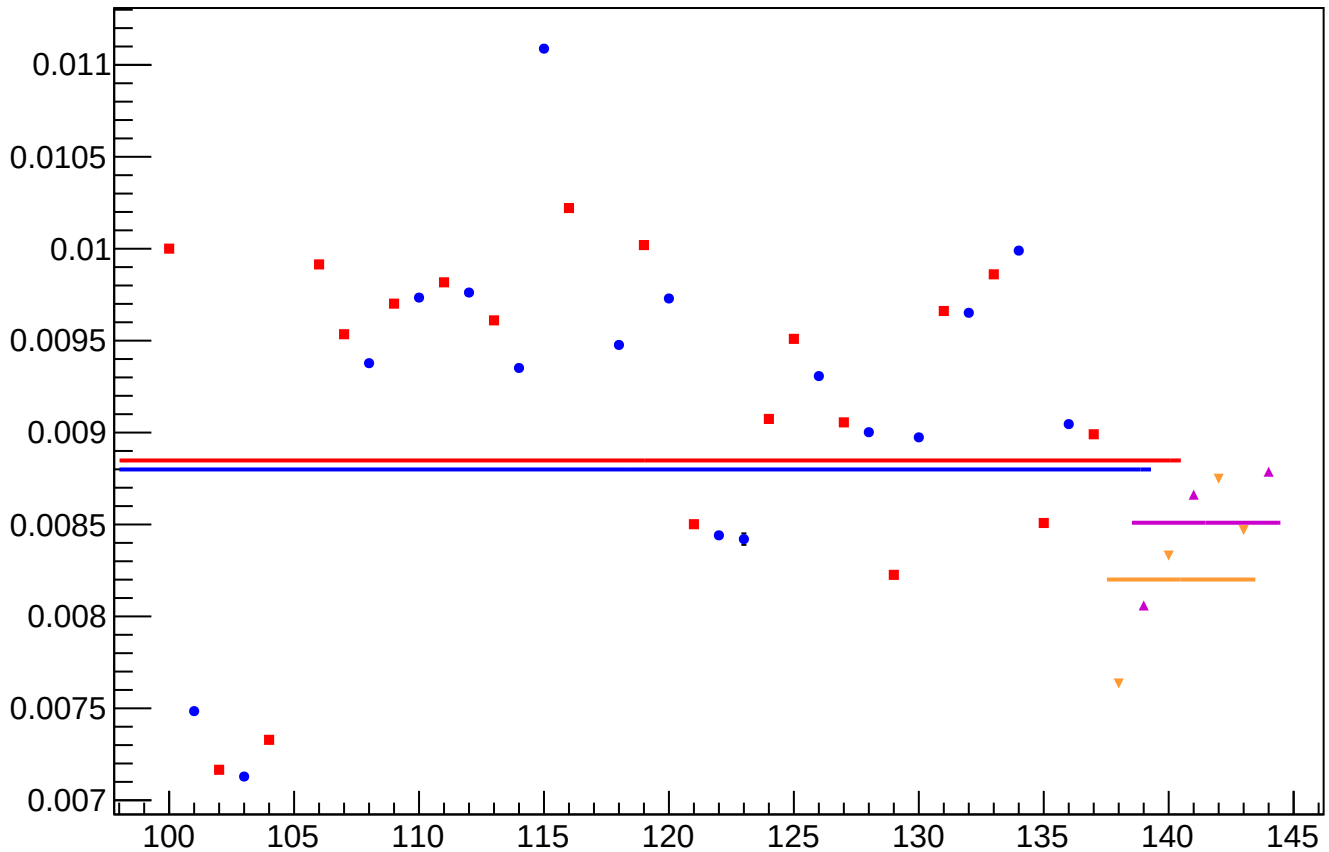
Left In: -1.418+/-0.000 χ^2/NDF : 324912454.7/2

+ sign -1.215+/-0.000 χ^2/NDF : 5770849475.2/20

All: -1.213+/-0.000 χ^2/NDF : 11622666968.0

- sign -1.212+/-0.000 χ^2/NDF : 5851520806.9/21

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 151524.0/16

Left Out: 0.008+/-0.000 χ^2/NDF :12698.2/3

Right Out: 0.009+/-0.000 χ^2/NDF : 174016.9/18

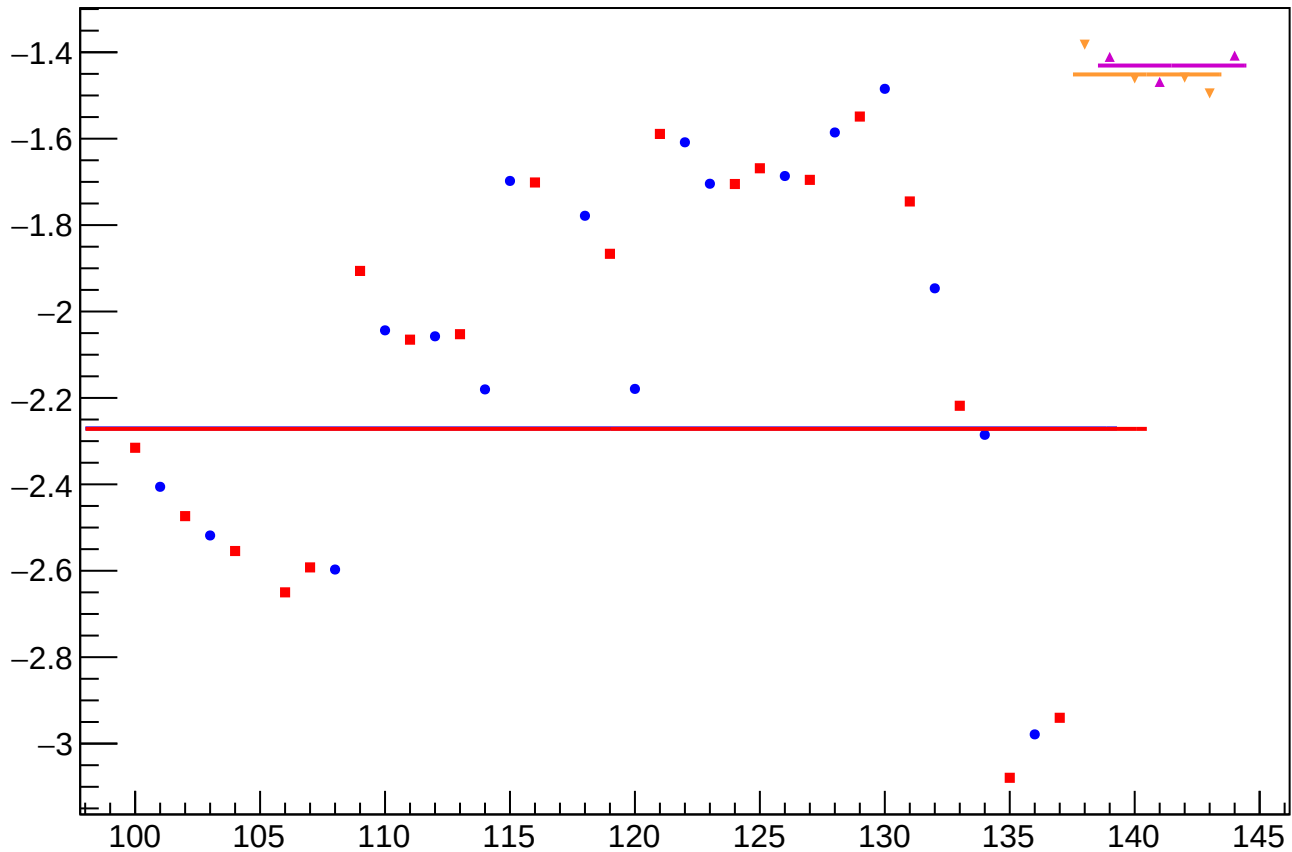
Left In: 0.009+/-0.000 χ^2/NDF :6301.6/2

+ sign 0.009+/-0.000 χ^2/NDF : 182798.7/20

All: 0.009+/-0.000 χ^2/NDF : 370906.3/42

- sign 0.009+/-0.000 χ^2/NDF : 185621.6/21

yield_bpm0i05X_mean vs Slug



Right In: -2.271+/-0.000 χ^2/NDF : 17322622121.9/16

Left Out: -1.451+/-0.000 χ^2/NDF : 65955418.4/3

Right Out: -2.272+/-0.000 χ^2/NDF : 19002792241.6/18

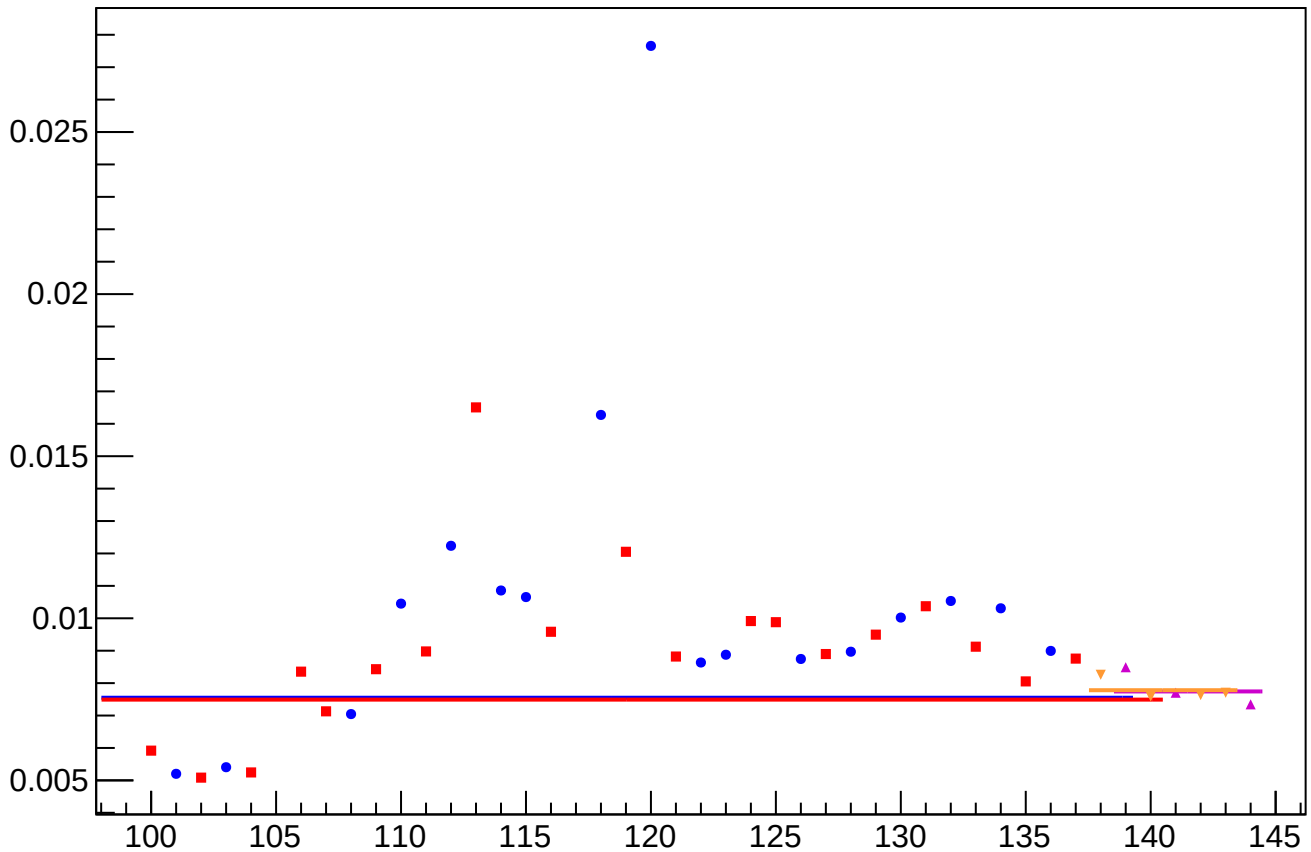
Left In: -1.431+/-0.000 χ^2/NDF : 31396791.1/2

+ sign -2.016+/-0.000 χ^2/NDF : 35781520657.0/20

All: -2.029+/-0.000 χ^2/NDF : 74208731142.0/21

- sign -2.041+/-0.000 χ^2/NDF : 38385897979.7/21

yield_bpm0i05X_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 1215131.1/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:5654.4/3

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 926036.5/18

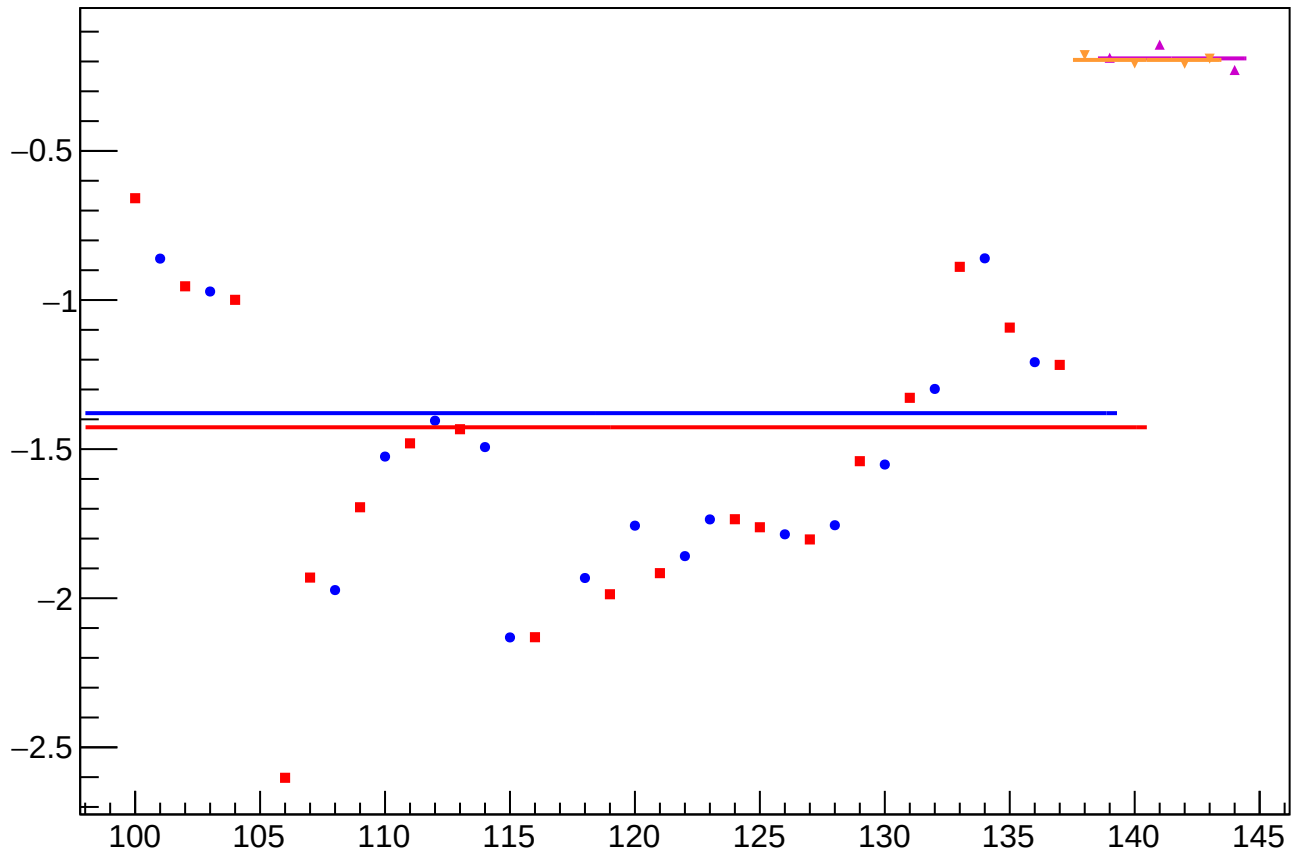
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:14632.2/2

+ sign 0.008 $\pm$ 0.000 χ^2 /NDF: 1223738.7/20

All: 0.008 $\pm$ 0.000 χ^2 /NDF: 2168385.2/42

- sign 0.008 $\pm$ 0.000 χ^2 /NDF: 944156.2/21

yield_bpm0i05Y_mean vs Slug



Right In: -1.379+/-0.000 χ^2/NDF : 19933785465.4/16

Left Out: -0.195+/-0.000 χ^2/NDF : 21808967.0/3

+ sign -0.744+/-0.000 χ^2/NDF : 117365431207.9/20

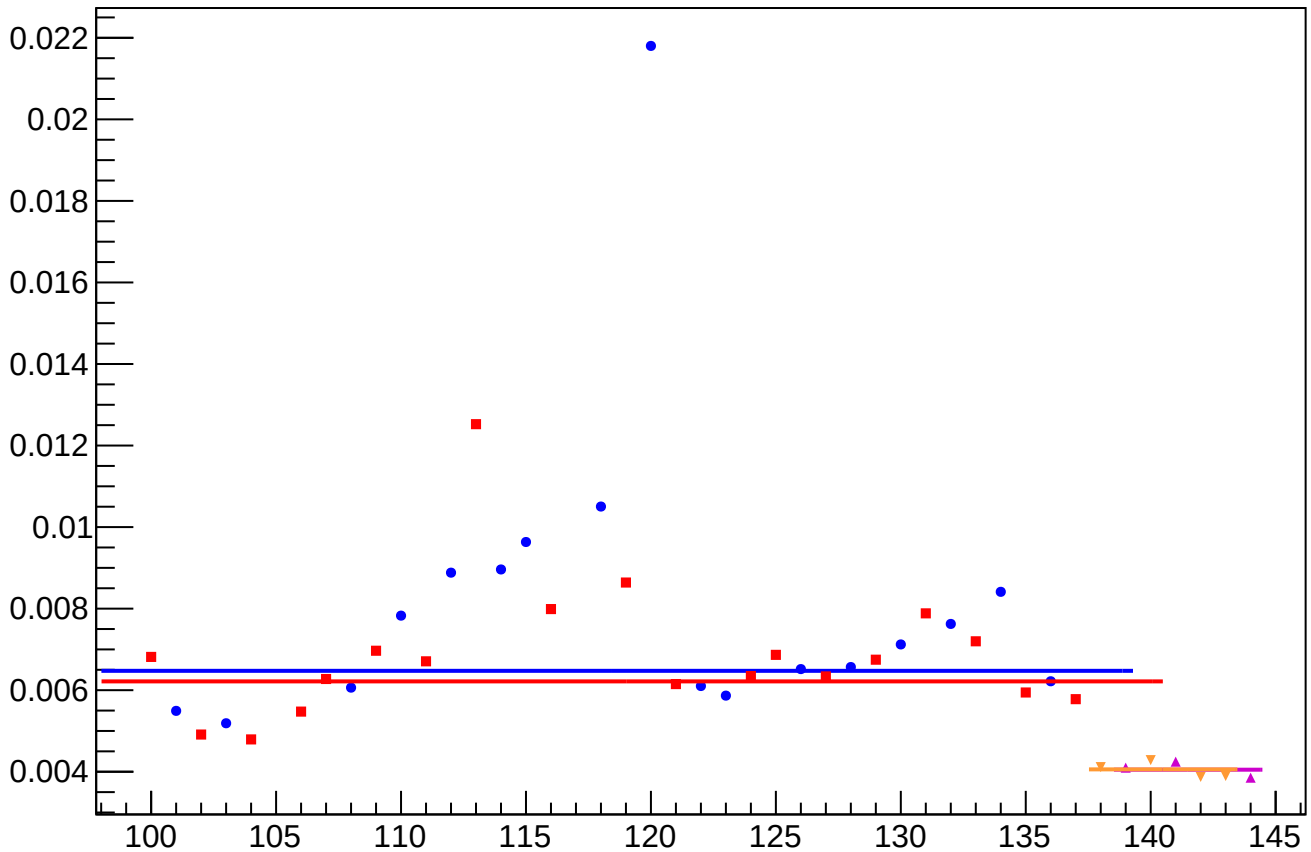
Right Out: -1.427+/-0.000 χ^2/NDF : 29588471982.5/18

All: -0.793+/-0.000 χ^2/NDF : 258476048070.6

- sign -0.841+/-0.000 χ^2/NDF : 139790074894.2/21

Left In: -0.190+/-0.000 χ^2/NDF : 175004322.3/2

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 : 8401.6/3

Right Out: 0.006+/-0.000 χ^2/NDF : 418205.6/18

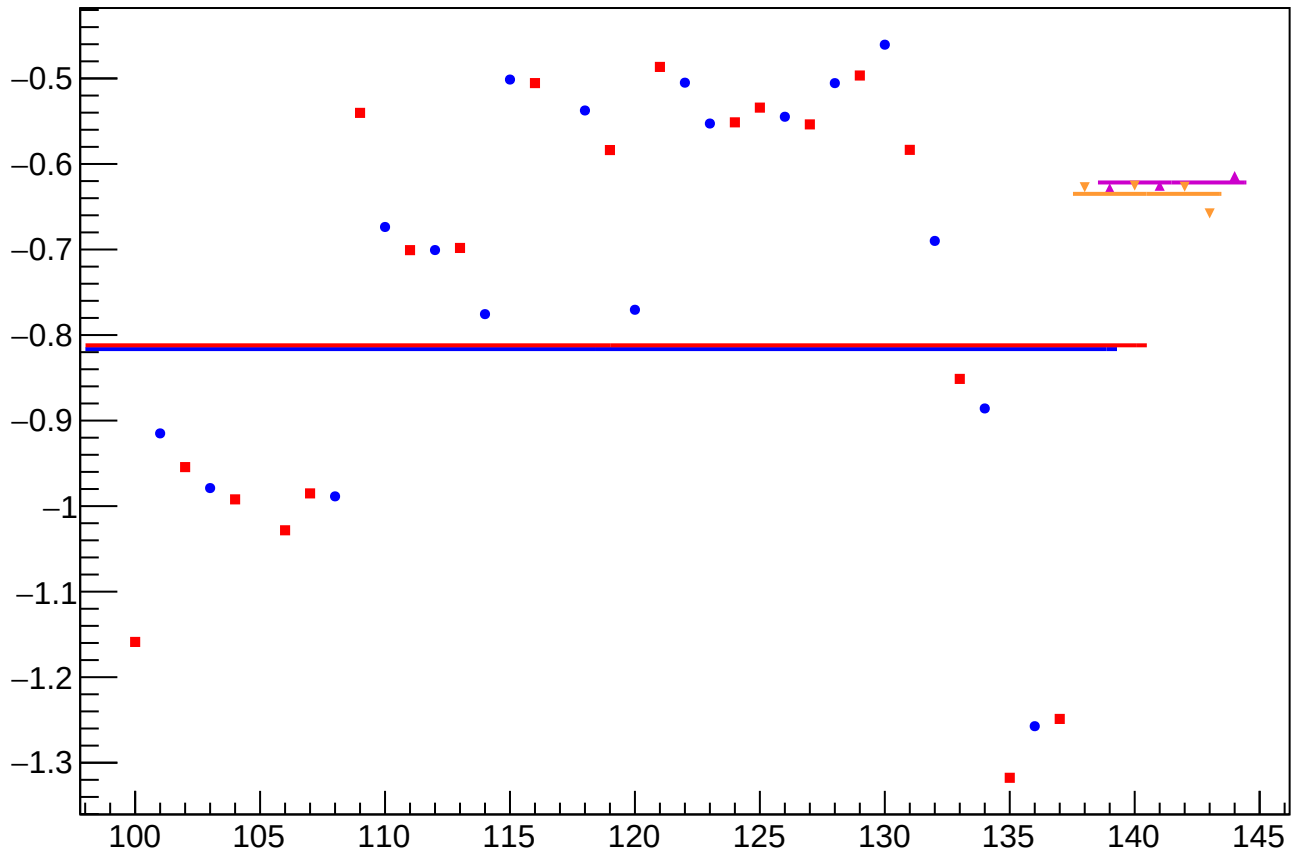
Left In: 0.004+/-0.000 χ^2/NDF : 7747.8/2

+ sign 0.005+/-0.000 χ^2/NDF : 1389810.3/20

All: 0.005+/-0.000 χ^2/NDF : 2490327.2/42

- sign 0.005+/-0.000 χ^2/NDF : 1100483.4/21

yield_bpm0i07X_mean vs Slug



Right In: -0.816+/-0.000 χ^2/NDF : 14108272810.0/16

Left Out: -0.635+/-0.000 χ^2/NDF : 17201290.1/3

Right Out: -0.812+/-0.000 χ^2/NDF : 16809508448.8/18

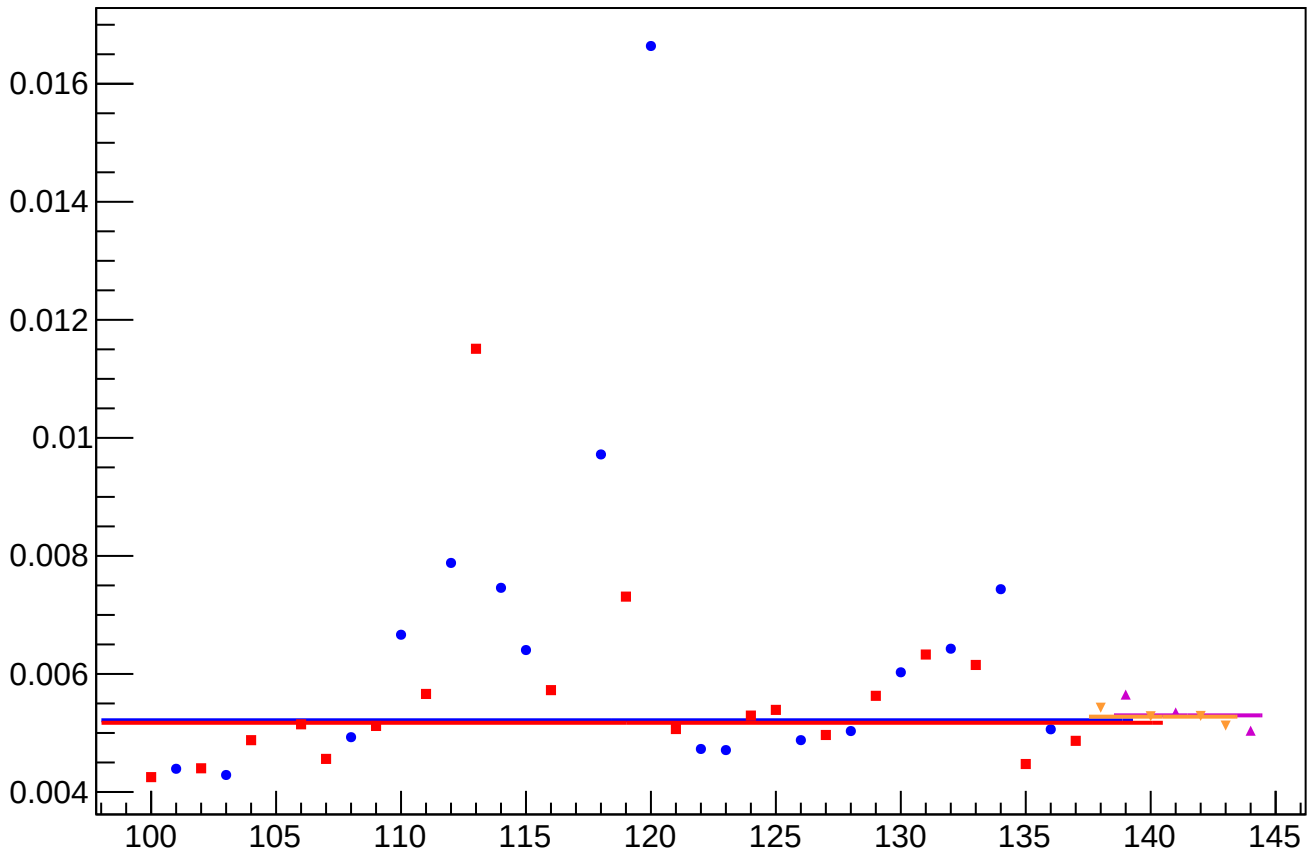
Left In: -0.622+/-0.000 χ^2/NDF : 3110185.0/2

+ sign -0.761+/-0.000 χ^2/NDF : 16097544759.1/20

All: -0.761+/-0.000 χ^2/NDF : 35045020178.1/21

- sign -0.761+/-0.000 χ^2/NDF : 18947446155.3/21

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 :2077.1/3

Right Out: 0.005+/-0.000 χ^2/NDF : 359707.6/18

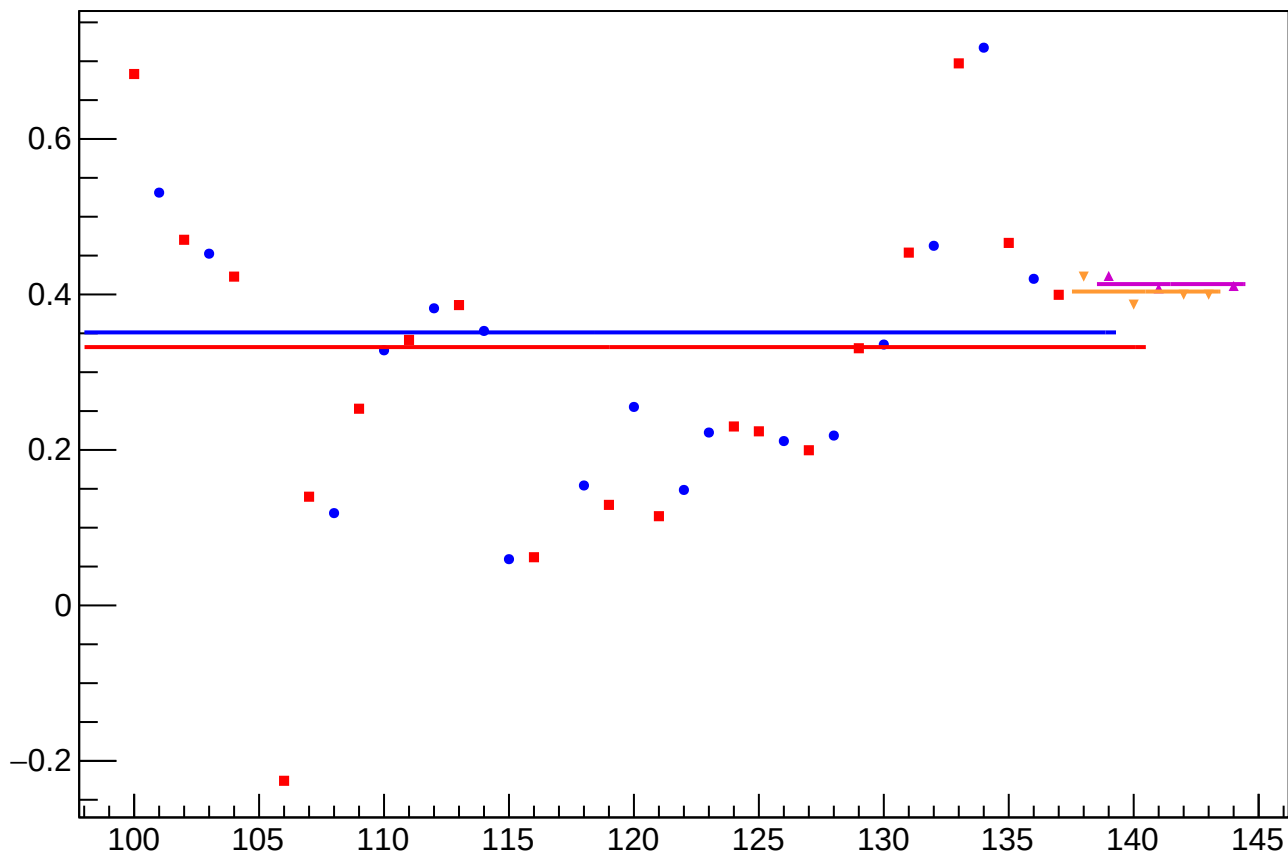
Left In: 0.005+/-0.000 χ^2/NDF :9335.6/2

+ sign 0.005+/-0.000 χ^2/NDF : 665361.3/20

All: 0.005+/-0.000 χ^2/NDF : 1036488.0/42

- sign 0.005+/-0.000 χ^2/NDF : 370903.9/21

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:30766322.7/3

+ sign 0.368 $\pm$ 0.000 χ^2 /NDF: 7722895445.3/20

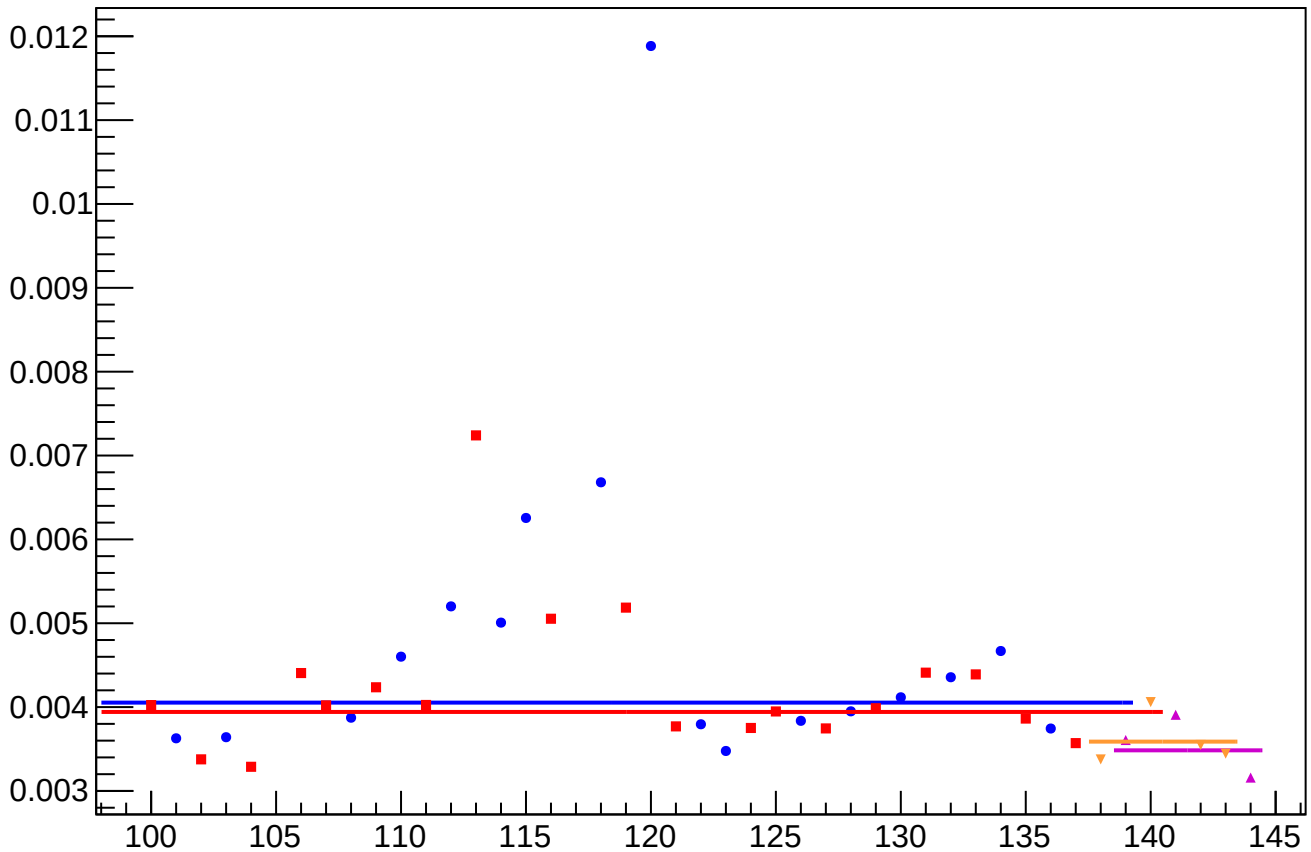
Right Out: 0.332 $\pm$ 0.000 χ^2 /NDF: 11783358695.7/18

All: 0.362 $\pm$ 0.000 χ^2 /NDF: 20306725845.5/4

Left In: 0.413 $\pm$ 0.000 χ^2 /NDF:6334951.8/2

- sign 0.356 $\pm$ 0.000 χ^2 /NDF: 12545424840.4/21

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 : 23824.5/3

Right Out: 0.004 ± 0.000 χ^2/NDF : 259219.7/18

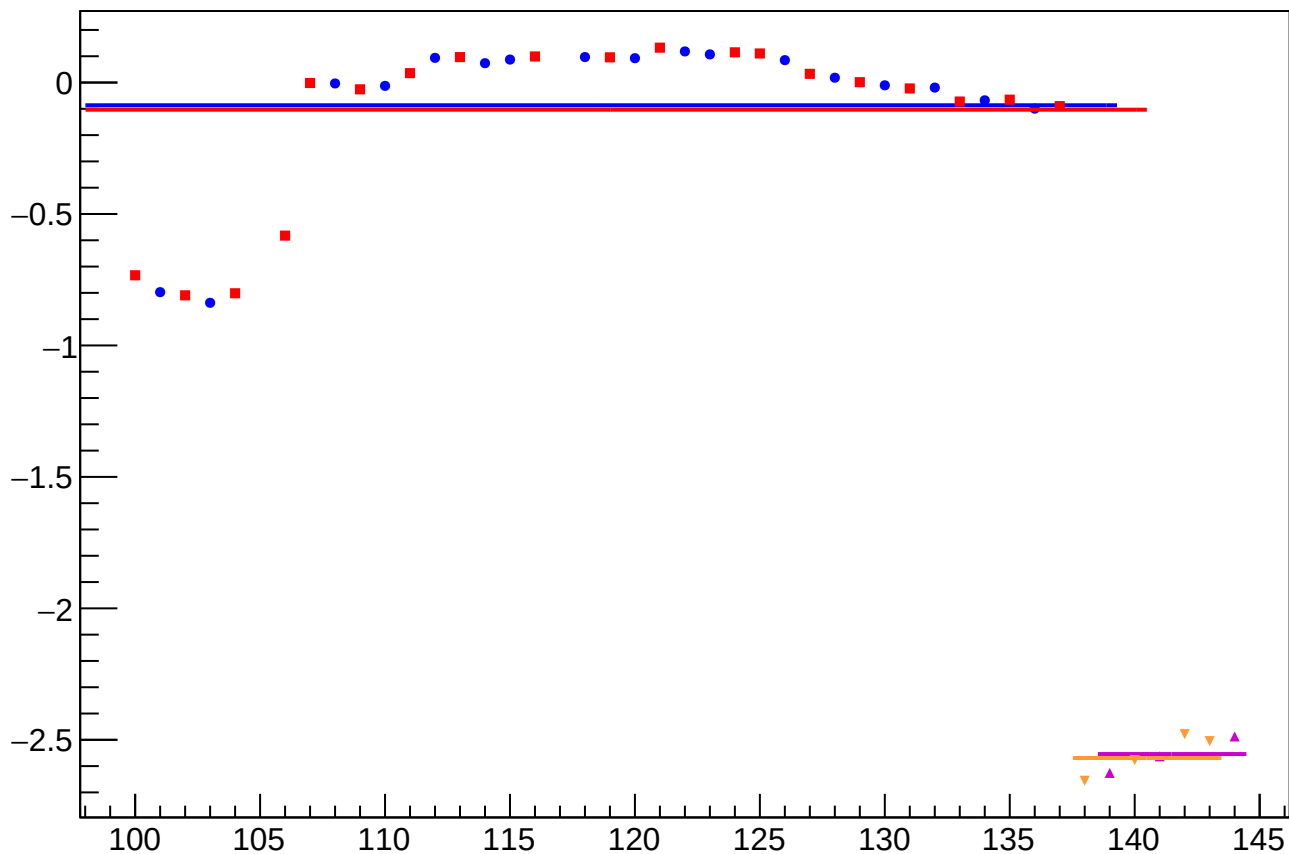
Left In: 0.003 ± 0.000 χ^2/NDF : 33758.7/2

+ sign 0.004 ± 0.000 χ^2/NDF : 525620.7/20

All: 0.004 ± 0.000 χ^2/NDF : 871725.1/42

- sign 0.004 ± 0.000 χ^2/NDF : 341208.7/21

yield_bpm1i02X_mean vs Slug



Right In: -0.086+/-0.000 χ^2/NDF : 4986216359.8/16

Left Out: -2.569+/-0.000 χ^2/NDF : 64012284.6/3

Right Out: -0.103+/-0.000 χ^2/NDF : 5547327629.3/18

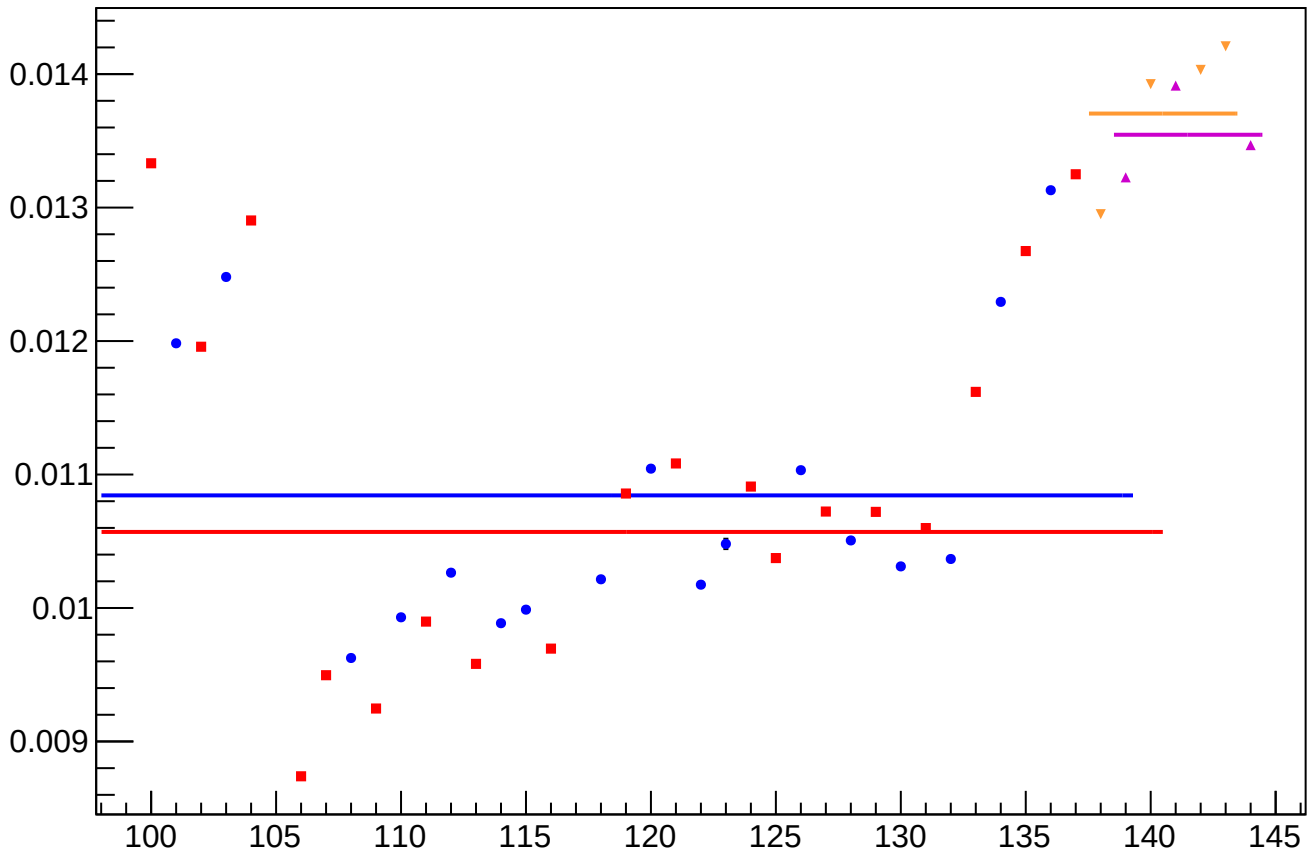
Left In: -2.554+/-0.000 χ^2/NDF : 41248354.0/2

+ sign -0.577+/-0.000 χ^2/NDF : 73506214555.5/20

All: -0.549+/-0.000 χ^2/NDF : 143516469975.8

- sign -0.523+/-0.000 χ^2/NDF : 69904719125.8/21

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 : 7430.0/3

Right Out: 0.011+/-0.000 χ^2/NDF : 178759.8/18

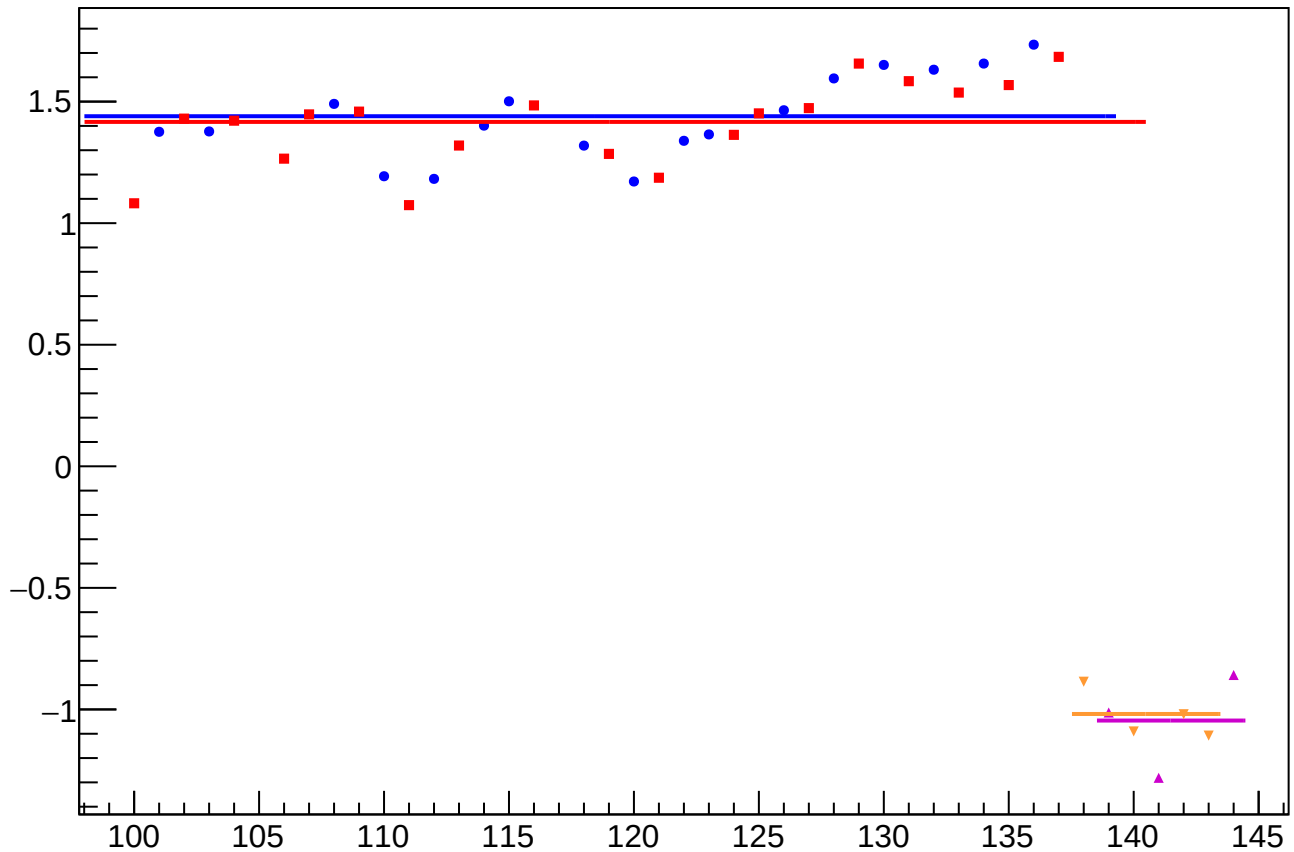
Left In: 0.014+/-0.000 χ^2/NDF : 2025.5/2

+ sign 0.011+/-0.000 χ^2/NDF : 313395.0/20

All: 0.011+/-0.000 χ^2/NDF : 691720.8/42

- sign 0.011+/-0.000 χ^2/NDF : 370438.7/21

yield_bpm1i02Y_mean vs Slug



Right In: 1.440 $\pm$ 0.000 χ^2 /NDF: 3439698839.5/16

Left Out: -1.019 $\pm$ 0.000 χ^2 /NDF: 217693229.5/3

+ sign 1.029 $\pm$ 0.000 χ^2 /NDF: 126320611792.2/20

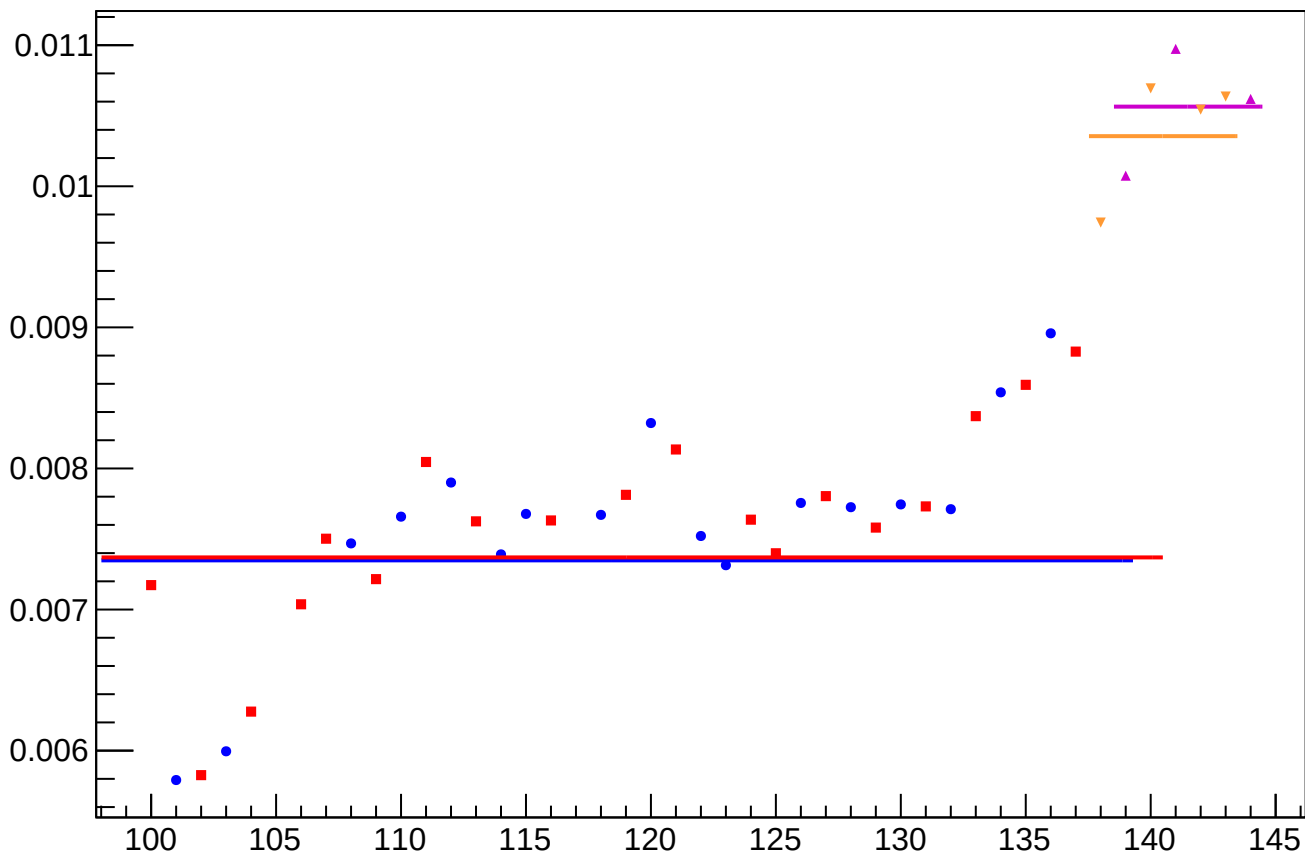
Right Out: 1.416 $\pm$ 0.000 χ^2 /NDF: 2670163204.9/18

All: 1.049 $\pm$ 0.000 χ^2 /NDF: 240425542488.1

Left In: -1.046 $\pm$ 0.000 χ^2 /NDF: 661331926.7/2

- sign 1.067 $\pm$ 0.000 χ^2 /NDF: 113997718481.1/21

yield_bpm1i02Y_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 228667.0/16

Left Out: 0.010 $\pm$ 0.000 χ^2/NDF : 8568.7/3

Right Out: 0.007 $\pm$ 0.000 χ^2/NDF : 172418.5/18

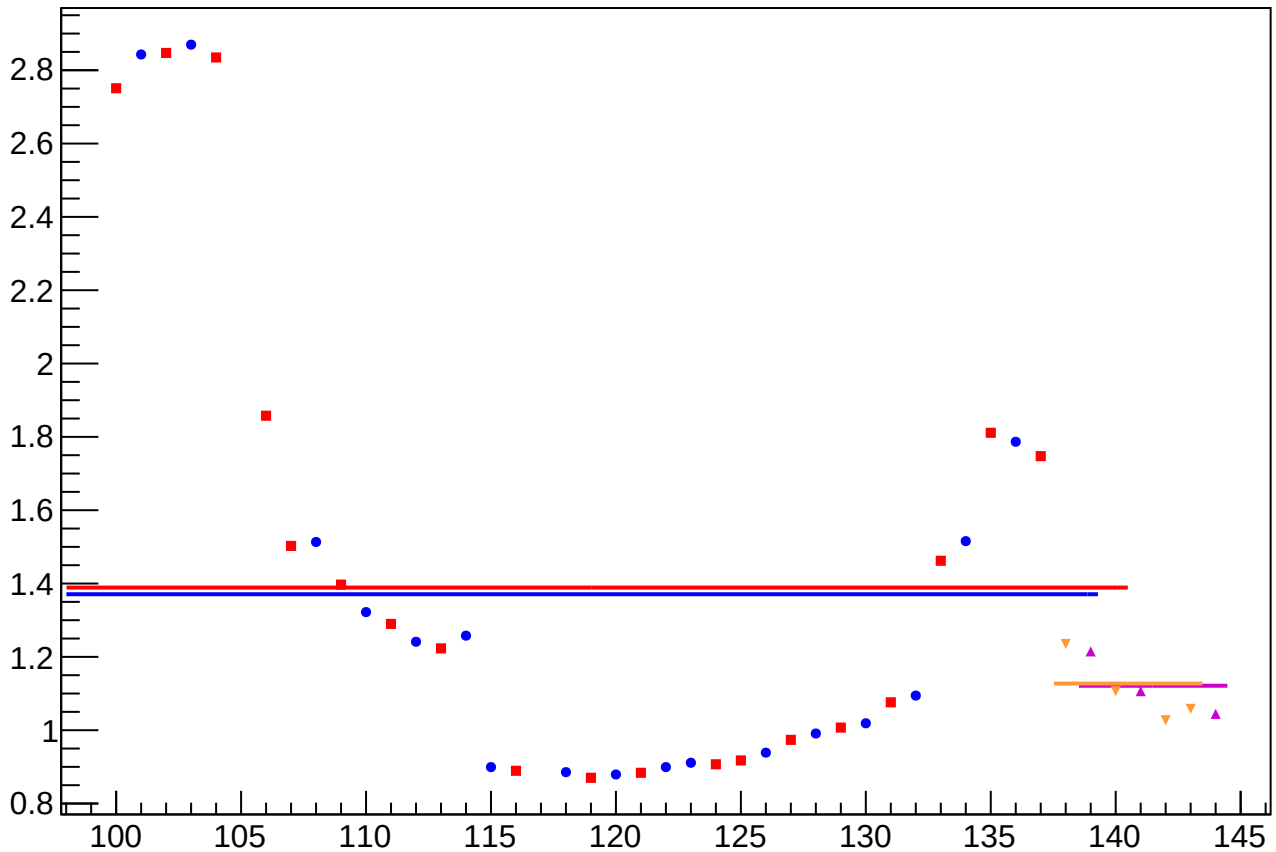
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 5593.0/2

+ sign 0.008 $\pm$ 0.000 χ^2/NDF : 604163.5/20

All: 0.008 $\pm$ 0.000 χ^2/NDF : 1154989.3/42

- sign 0.008 $\pm$ 0.000 χ^2/NDF : 550708.9/21

yield_bpm1i04X_mean vs Slug



Right In: 1.371+/-0.000 χ^2/NDF : 54119122912.8/16

Left Out: 1.127+/-0.000 χ^2/NDF : 258505951.3/3

Right Out: 1.389+/-0.000 χ^2/NDF : 49832414351.9/18

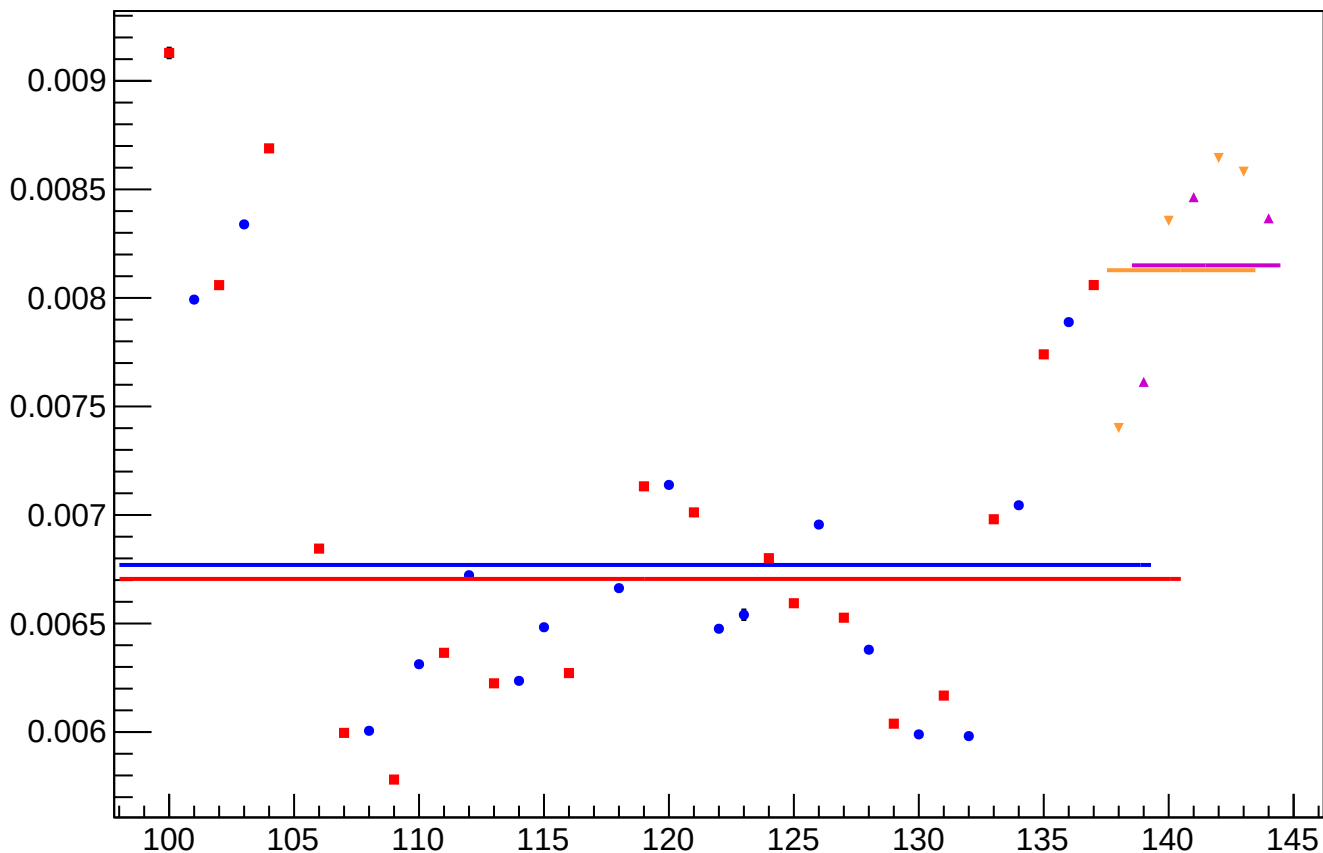
Left In: 1.121+/-0.000 χ^2/NDF : 175396480.0/2

+ sign 1.319+/-0.000 χ^2/NDF : 56205186727.4/20

All: 1.329+/-0.000 χ^2/NDF : 108314124112.5

- sign 1.339+/-0.000 χ^2/NDF : 52068782022.1/21

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:21849.2/3

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 189225.3/18

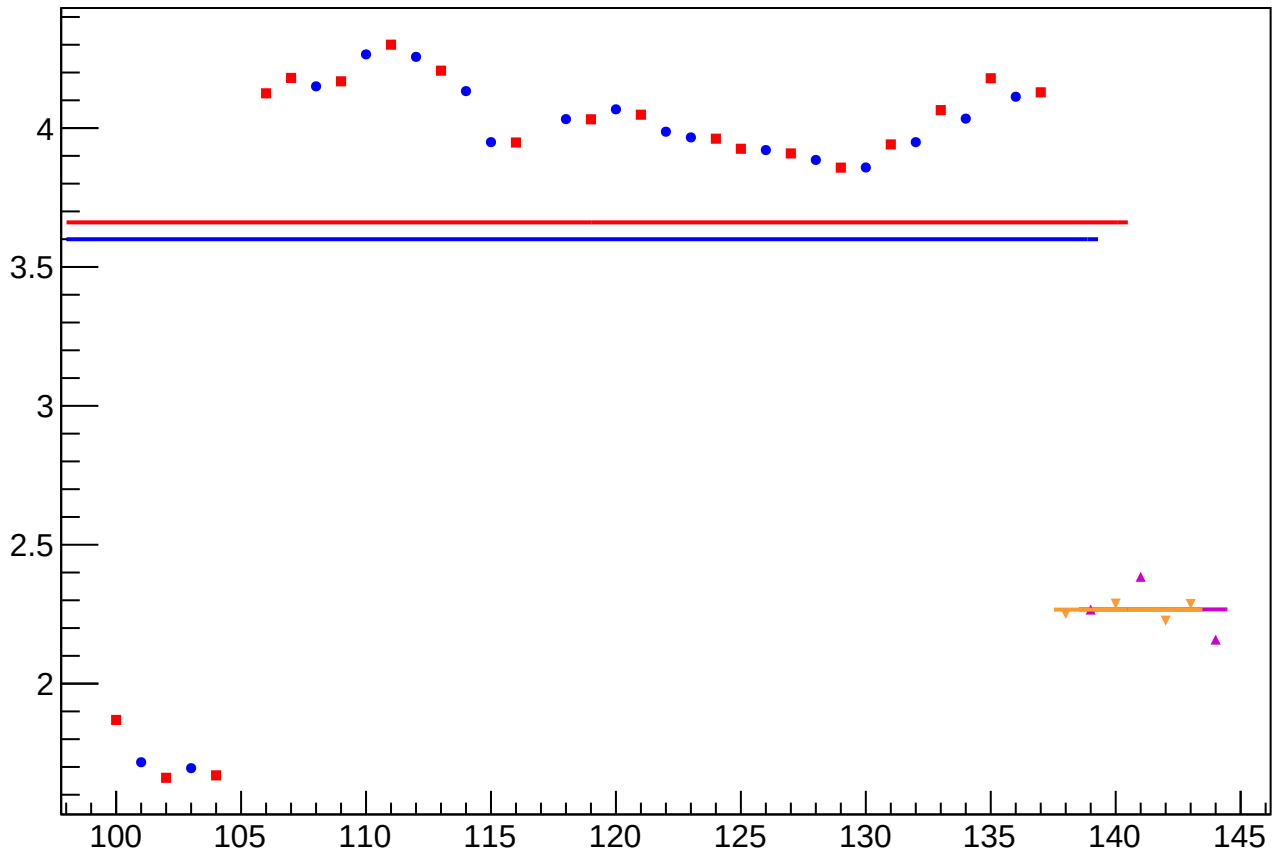
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:10143.8/2

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 294125.1/20

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 614940.4/42

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 319389.7/21

yield_bpm1i04Y_mean vs Slug



Right In: 3.600+/-0.000 χ^2/NDF : 185703271625.0/16

Left Out: 2.267+/-0.000 χ^2/NDF : 28056019.3/3

+ sign 3.348+/-0.000 χ^2/NDF : 257834944060.5/20

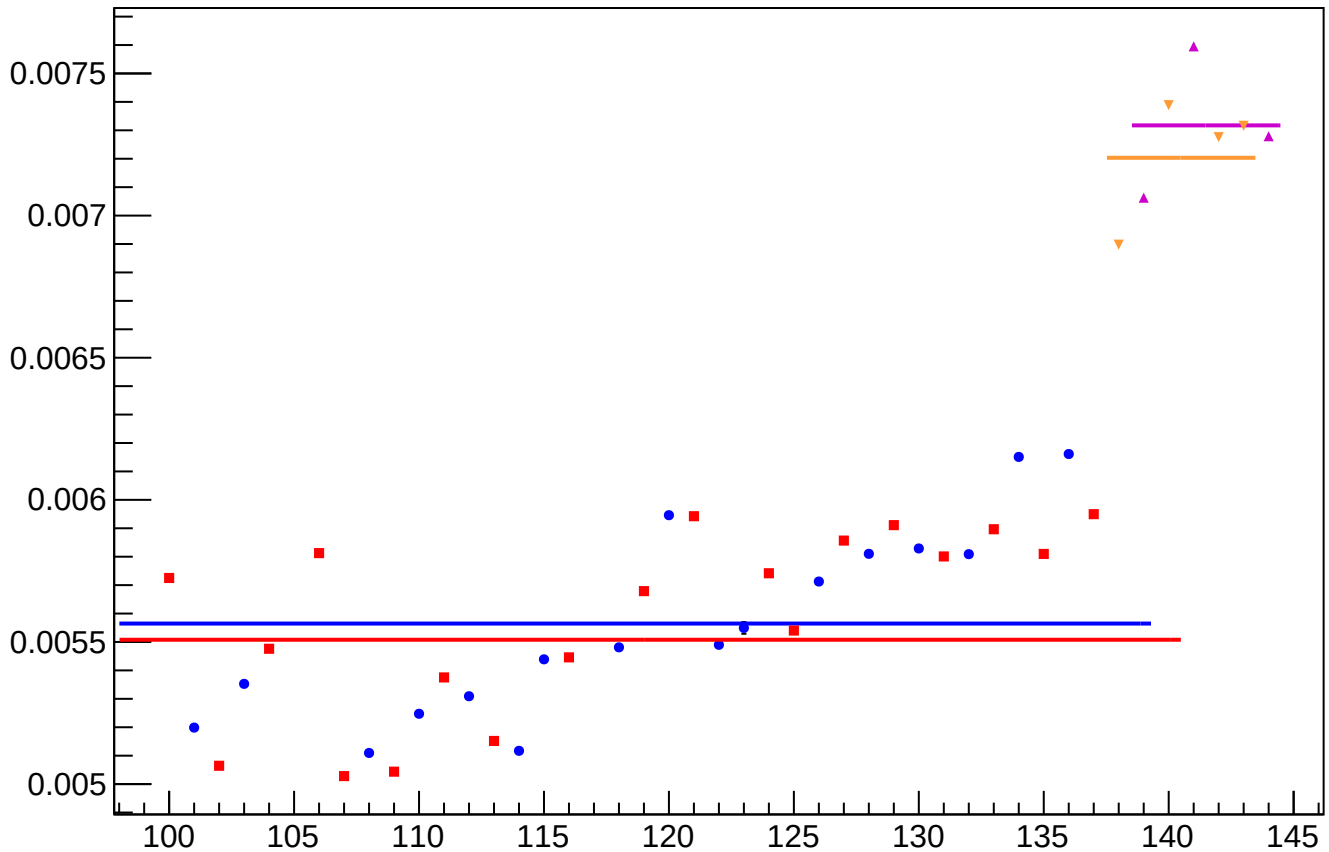
Right Out: 3.661+/-0.000 χ^2/NDF : 192461584002.7/18

All: 3.393+/-0.000 χ^2/NDF : 523148776979.4

- sign 3.436+/-0.000 χ^2/NDF : 264277786827.8/21

Left In: 2.267+/-0.000 χ^2/NDF : 386976149.0/2

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 : 4230.1/3

Right Out: 0.006+/-0.000 χ^2/NDF : 52399.9/18

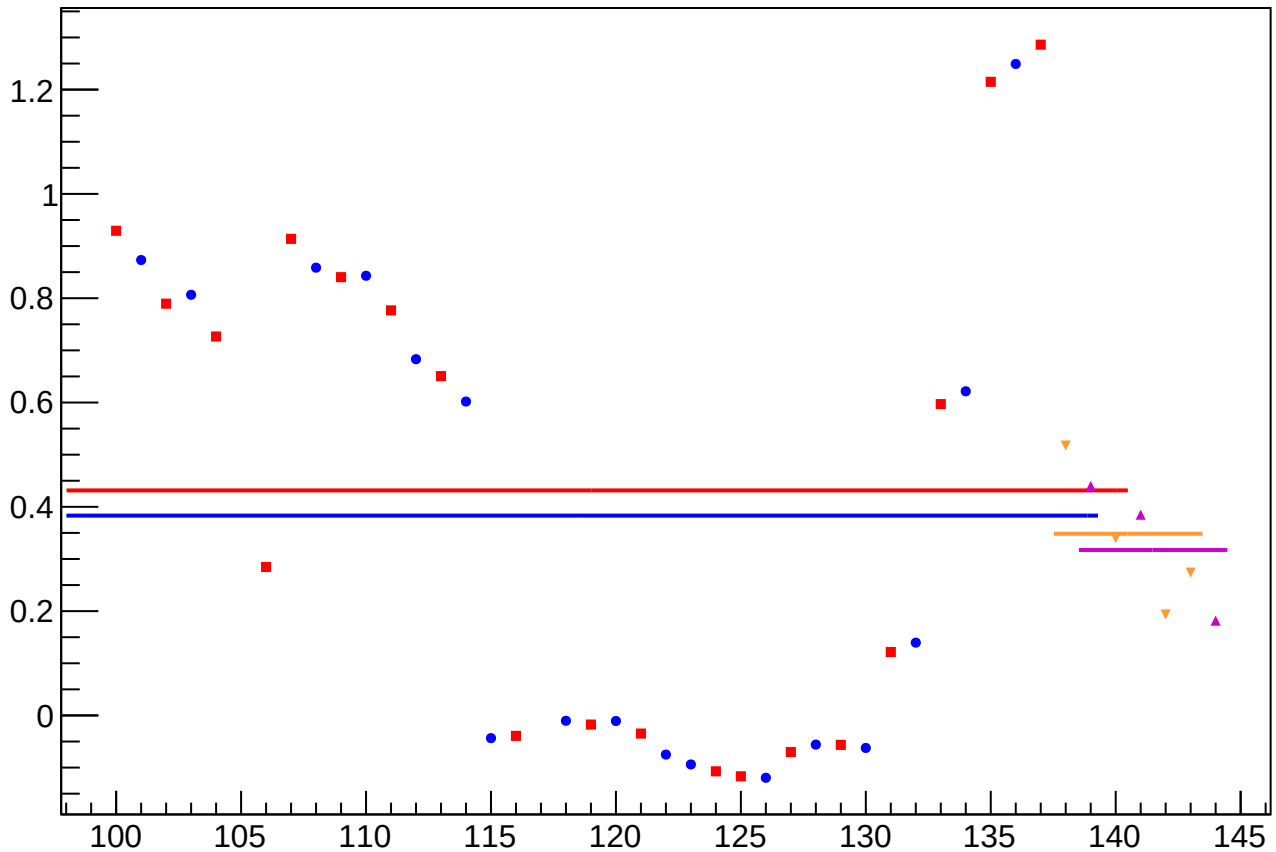
Left In: 0.007+/-0.000 χ^2/NDF : 4055.0/2

+ sign 0.006+/-0.000 χ^2/NDF : 270112.0/20

All: 0.006+/-0.000 χ^2/NDF : 568999.2/42

- sign 0.006+/-0.000 χ^2/NDF : 297389.6/21

yield_bpm1i06X_mean vs Slug



Right In: 0.383+/-0.000 χ^2/NDF : 7098148199.8/16

Left Out: 0.348+/-0.000 χ^2/NDF : 140732784.0/3

Right Out: 0.431+/-0.000 χ^2/NDF : 6652460982.8/18

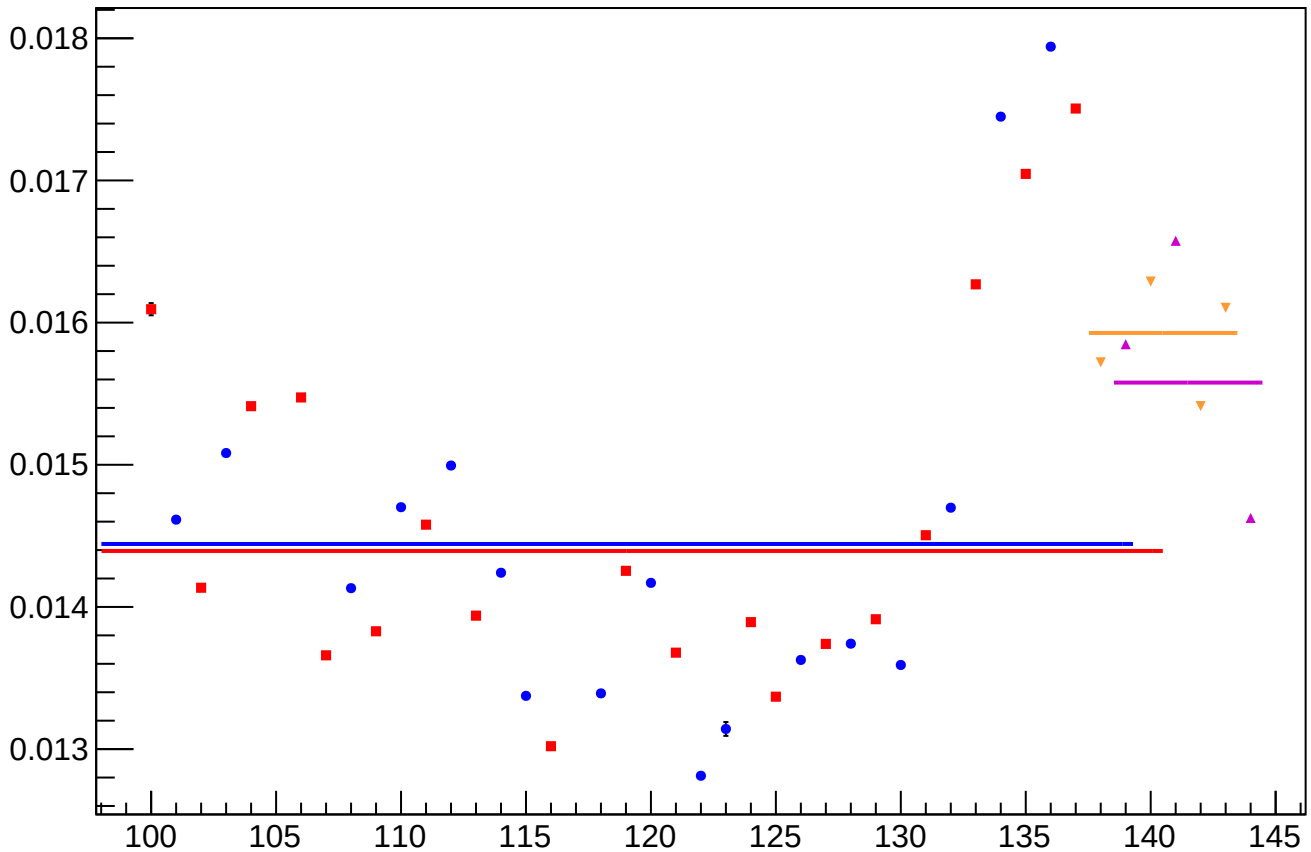
Left In: 0.317+/-0.000 χ^2/NDF : 127489515.8/2

+ sign 0.375+/-0.000 χ^2/NDF : 7248252989.9/20

All: 0.390+/-0.000 χ^2/NDF : 14146921850.0/4

- sign 0.406+/-0.000 χ^2/NDF : 6878150448.2/21

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 : 2134.0/3

Right Out: 0.014+/-0.000 χ^2/NDF : 74186.8/18

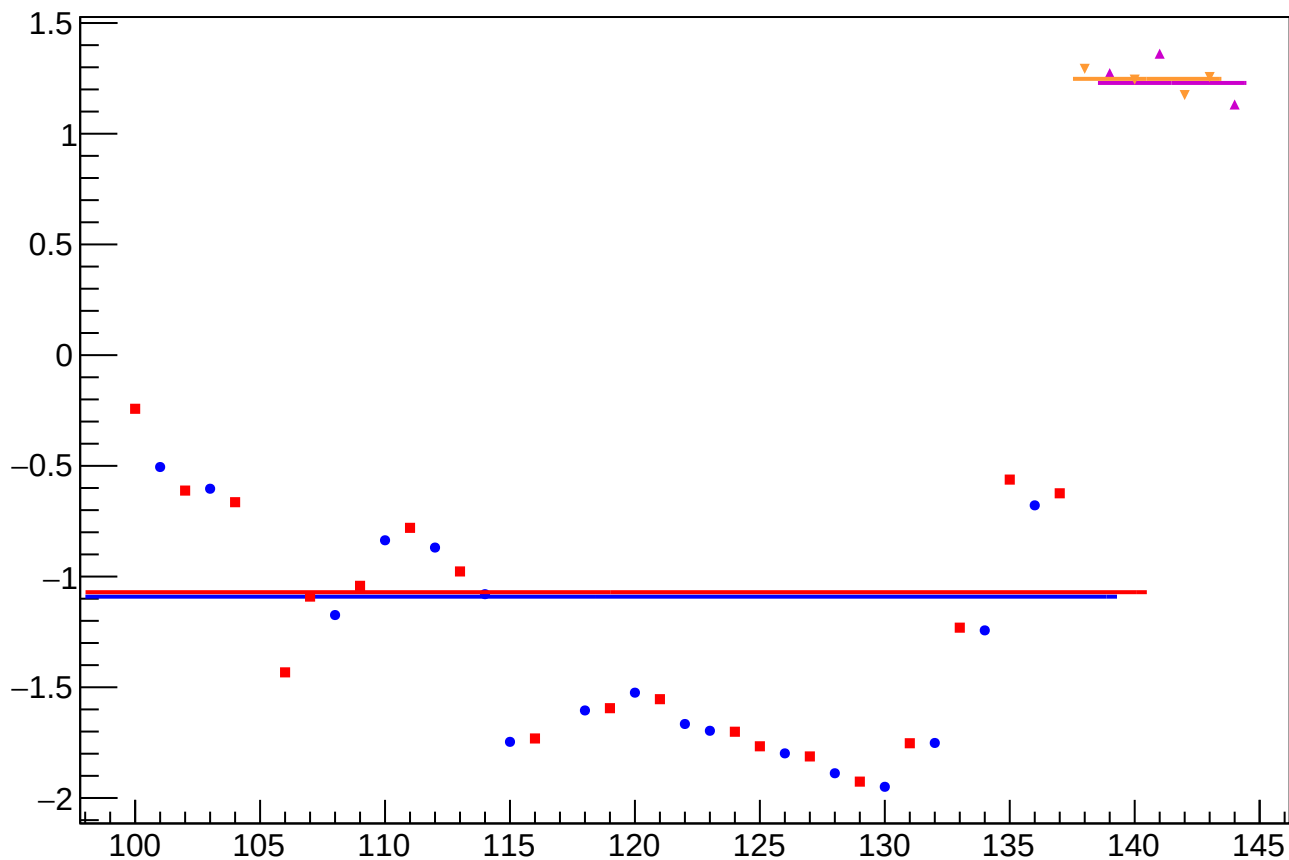
Left In: 0.016+/-0.000 χ^2/NDF : 13672.2/2

+ sign 0.015+/-0.000 χ^2/NDF : 145600.5/20

All: 0.015+/-0.000 χ^2/NDF : 255475.9/42

- sign 0.015+/-0.000 χ^2/NDF : 108985.1/21

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 : 265777387.7/3

Right Out: -1.071+/-0.000 χ^2/NDF : 46725373904.4/18

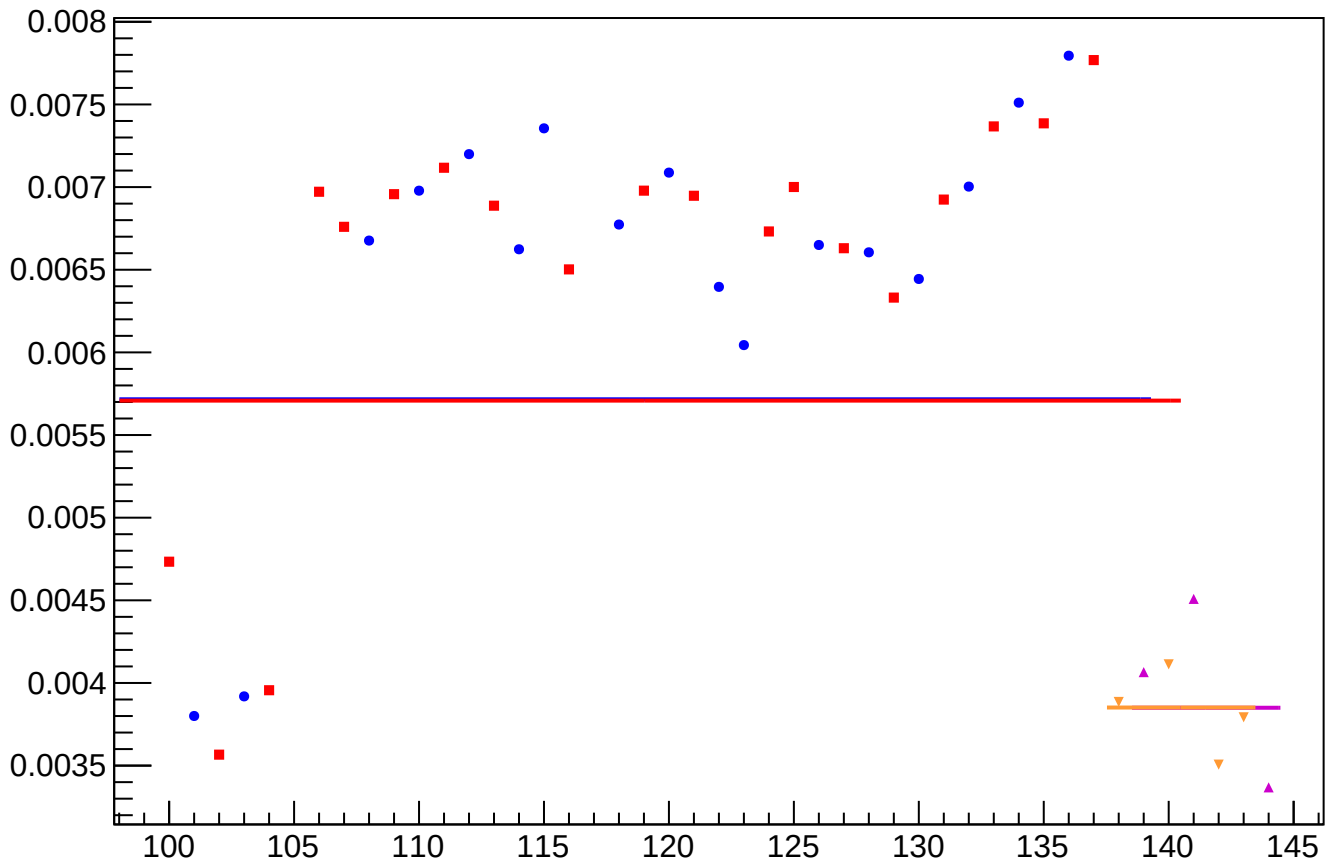
Left In: 1.229+/-0.000 χ^2/NDF : 1431814862.9/2

+ sign 0.032+/-0.000 χ^2/NDF : 530770475814.7/20

All: -0.010+/-0.000 χ^2/NDF : 1020924668243

- sign -0.054+/-0.000 χ^2/NDF : 488900906090.3/21

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 837929.9/16

Left Out: 0.004+/-0.000 χ^2/NDF :14068.3/3

Right Out: 0.006+/-0.000 χ^2/NDF : 921337.6/18

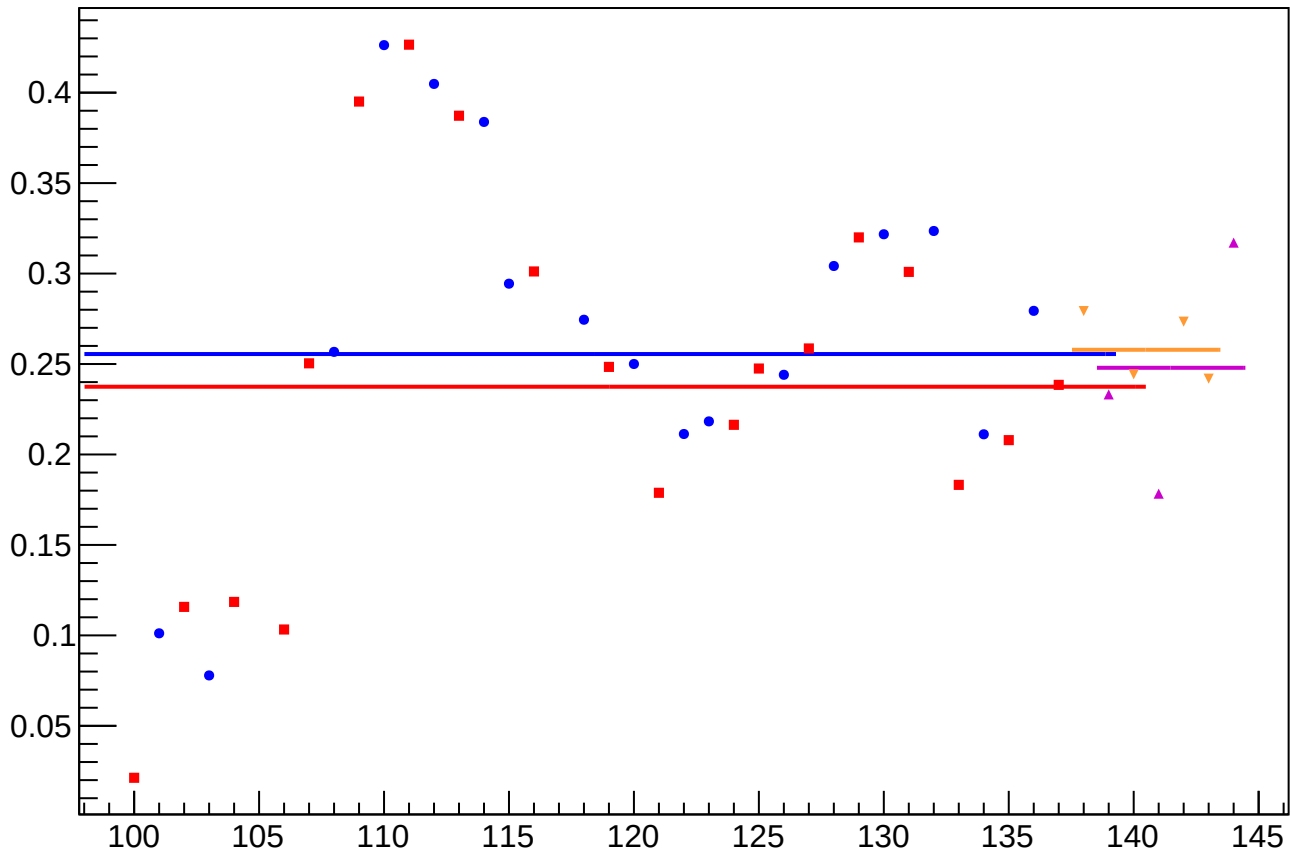
Left In: 0.004+/-0.000 χ^2/NDF :70488.5/2

+ sign 0.005+/-0.000 χ^2/NDF : 1455998.9/20

All: 0.005+/-0.000 χ^2/NDF : 3024724.1/42

- sign 0.005+/-0.000 χ^2/NDF : 1567252.0/21

yield_bpm2i01X_mean vs Slug



Right In: 0.256 ± 0.000 χ^2/NDF : 21303879000.5/16

Left Out: 0.258 ± 0.000 χ^2/NDF : 278988915.0/3

+ sign 0.256 ± 0.000 χ^2/NDF : 21586733752.0/20

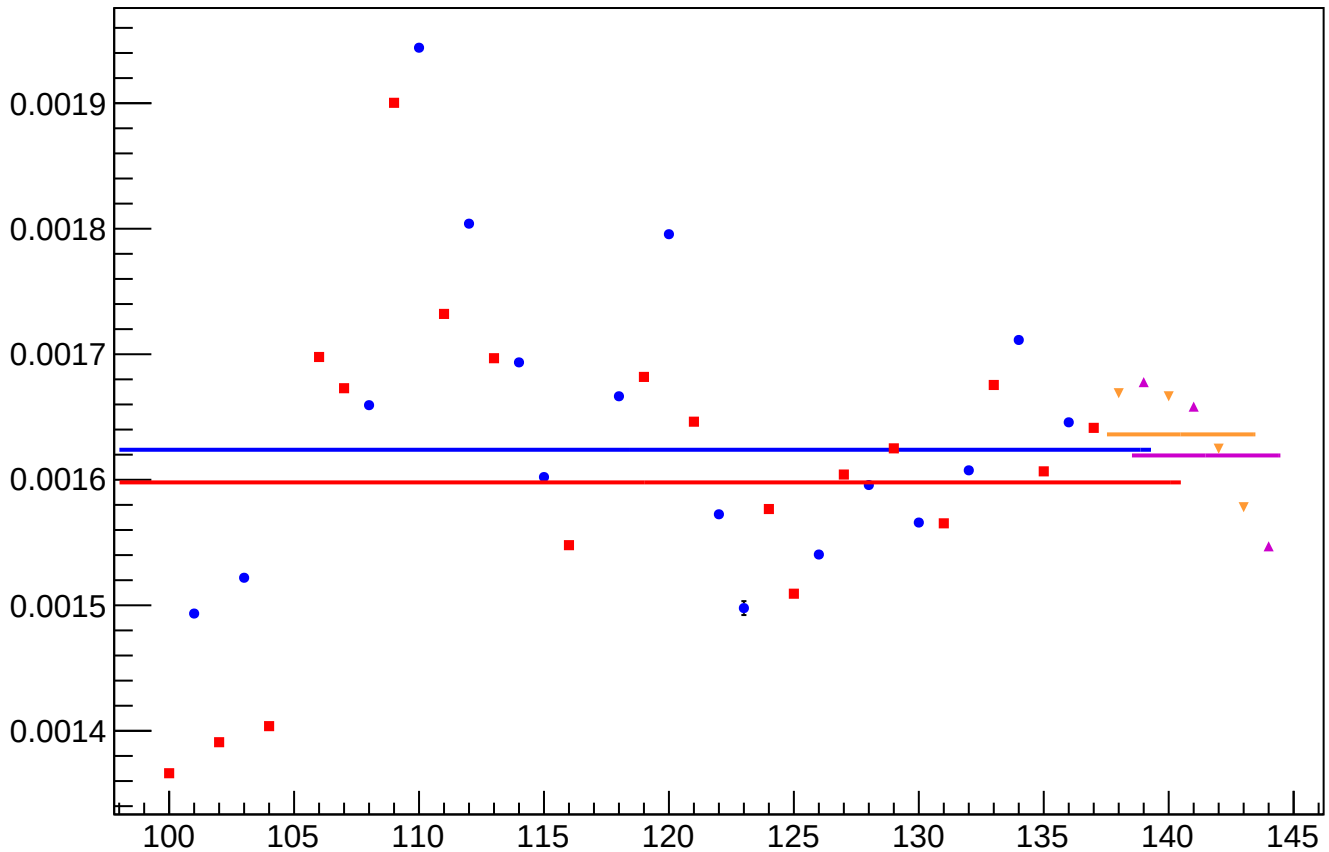
Right Out: 0.237 ± 0.000 χ^2/NDF : 26048163947.8/18

All: 0.248 ± 0.000 χ^2/NDF : 51406283486.2/20

- sign 0.240 ± 0.000 χ^2/NDF : 29363354204.1/21

Left In: 0.248 ± 0.000 χ^2/NDF : 3240989124.4/2

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 : 2915.1/3

Right Out: 0.002+/-0.000 χ^2/NDF : 90592.9/18

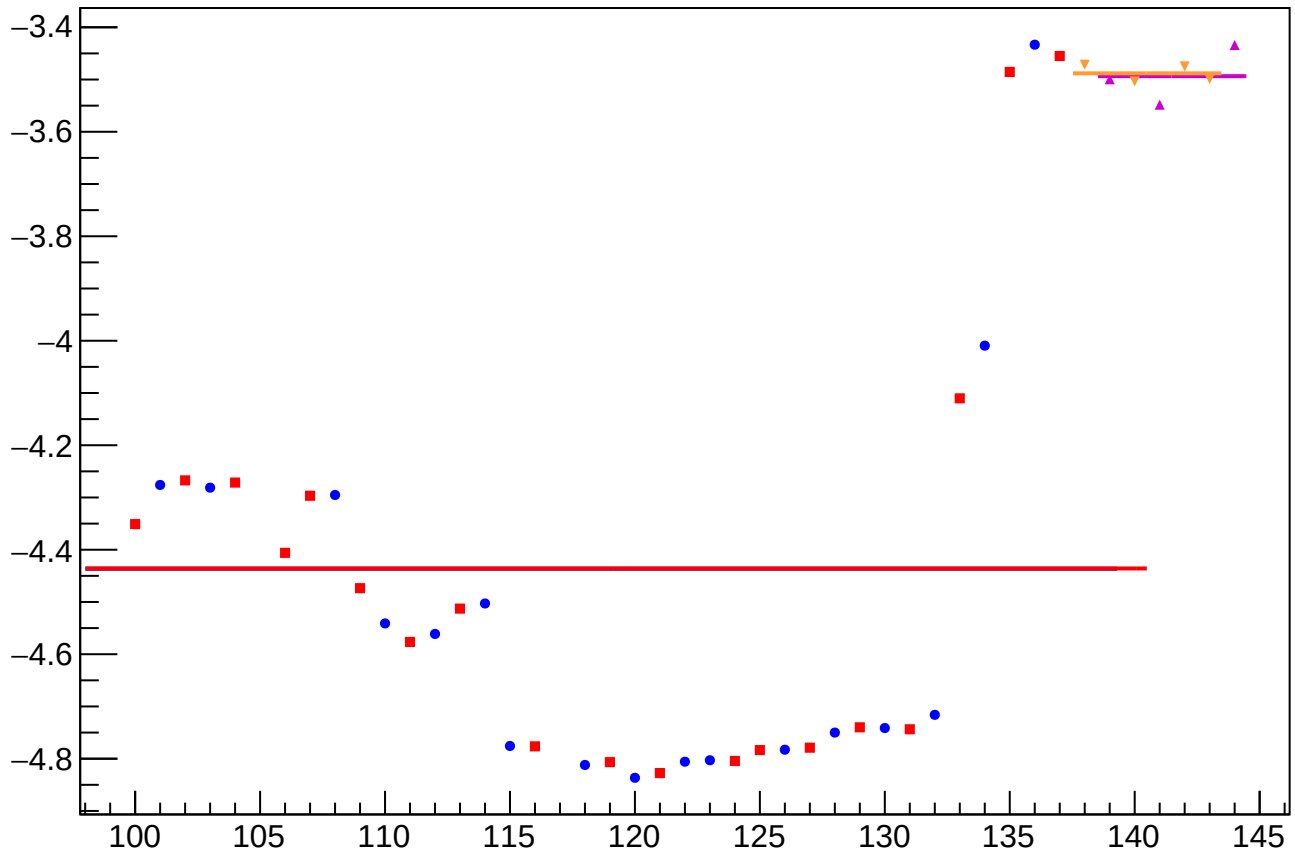
Left In: 0.002+/-0.000 χ^2/NDF : 6311.9/2

+ sign 0.002+/-0.000 χ^2/NDF : 55473.1/20

All: 0.002+/-0.000 χ^2/NDF : 155048.4/42

- sign 0.002+/-0.000 χ^2/NDF : 97529.5/21

yield_bpm2i01Y_mean vs Slug



Right In: -4.436+/-0.000 χ^2/NDF : 392479534987.2/16

Left Out: -3.488+/-0.000 χ^2/NDF : 155640663.6/3

Right Out: -4.436+/-0.000 χ^2/NDF : 324942318404.0/18

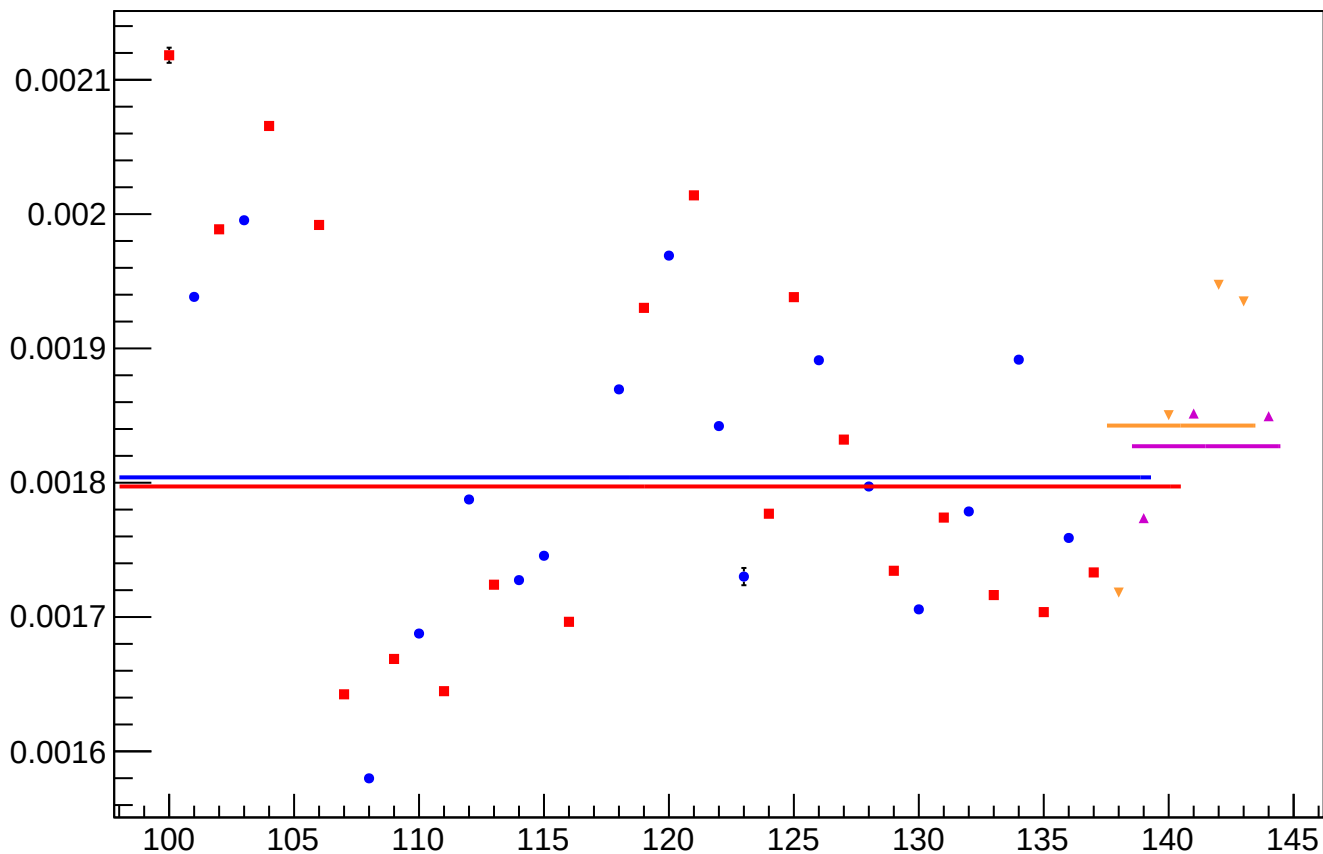
Left In: -3.494+/-0.000 χ^2/NDF : 1594659968.7/2

+ sign -4.180+/-0.000 χ^2/NDF : 877338621330.5/20

All: -4.192+/-0.000 χ^2/NDF : 1670477015376

- sign -4.203+/-0.000 χ^2/NDF : 792404235580.0/21

yield_bpm2i01Y_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 48060.2/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:12588.9/3

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 80681.9/18

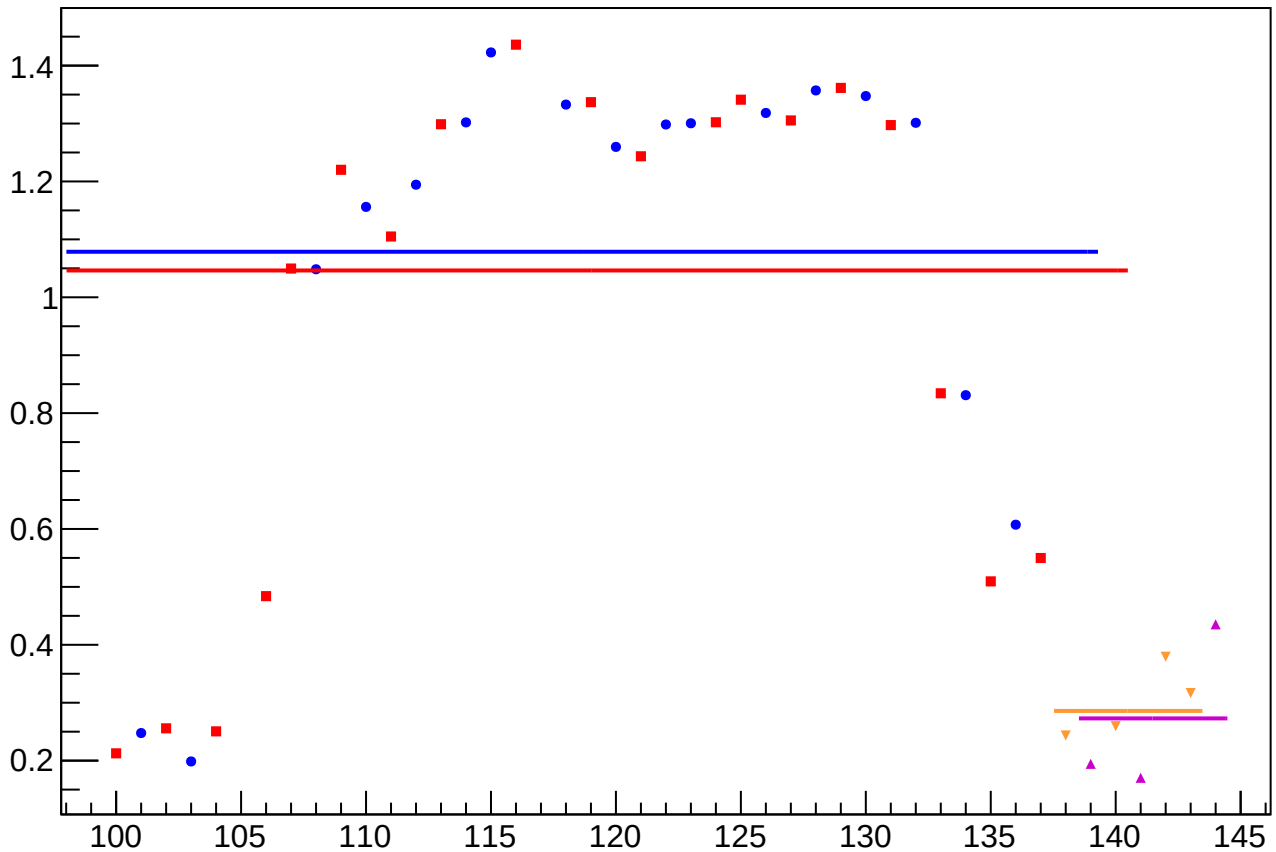
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1743.5/2

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 62252.1/20

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 145886.6/42

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 83367.6/21

yield_bpm2i02X_mean vs Slug



Right In: 1.079 $\pm$ 0.000 χ^2/NDF : 17504335724.9/16

Left Out: 0.286 $\pm$ 0.000 χ^2/NDF : 60437979.3/3

+ sign 0.940 $\pm$ 0.000 χ^2/NDF : 30994690811.5/20

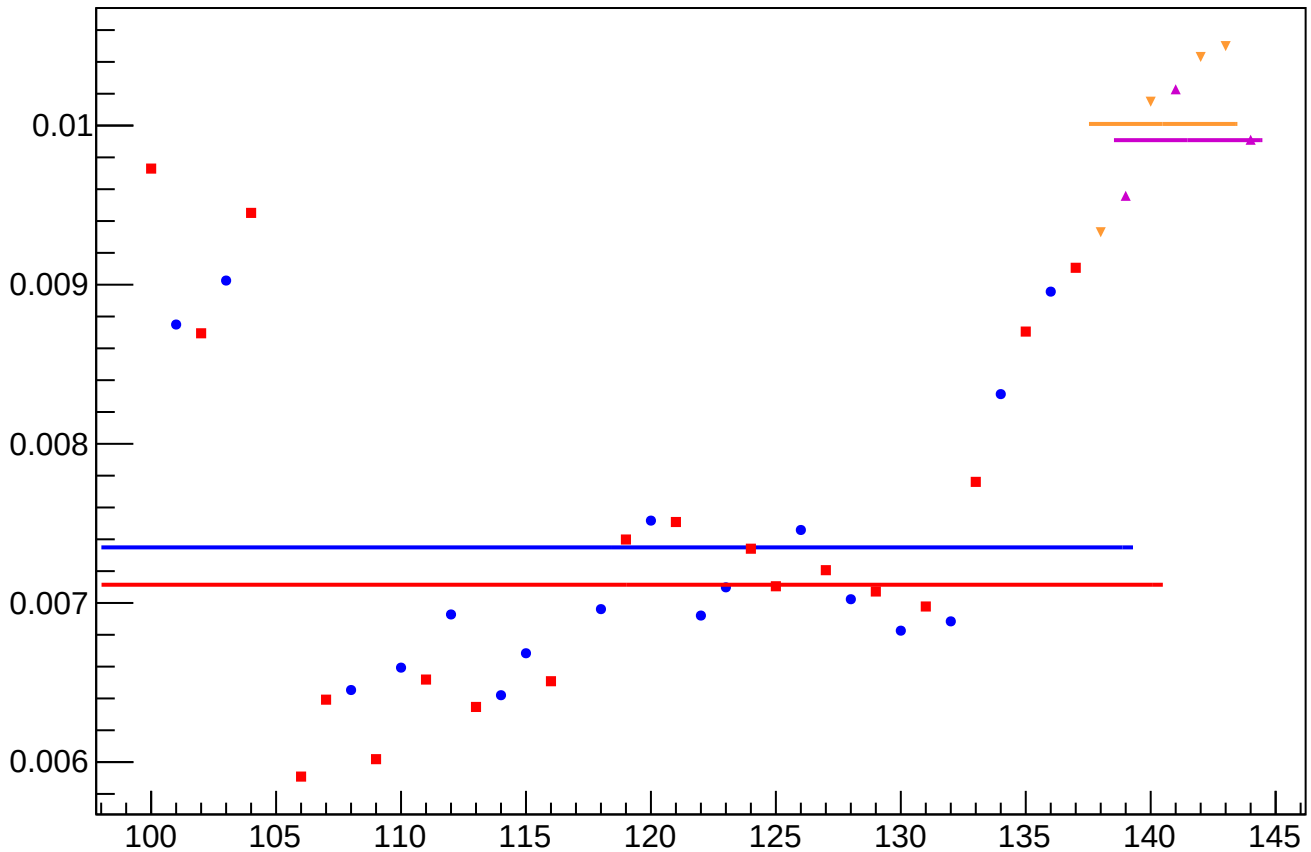
Right Out: 1.046 $\pm$ 0.000 χ^2/NDF : 19655971884.7/18

All: 0.935 $\pm$ 0.000 χ^2/NDF : 63292992228.3/4

Left In: 0.273 $\pm$ 0.000 χ^2/NDF : 358769826.3/2

- sign 0.931 $\pm$ 0.000 χ^2/NDF : 32292237308.1/21

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 :12261.5/3

Right Out: 0.007+/-0.000 χ^2/NDF : 259361.2/18

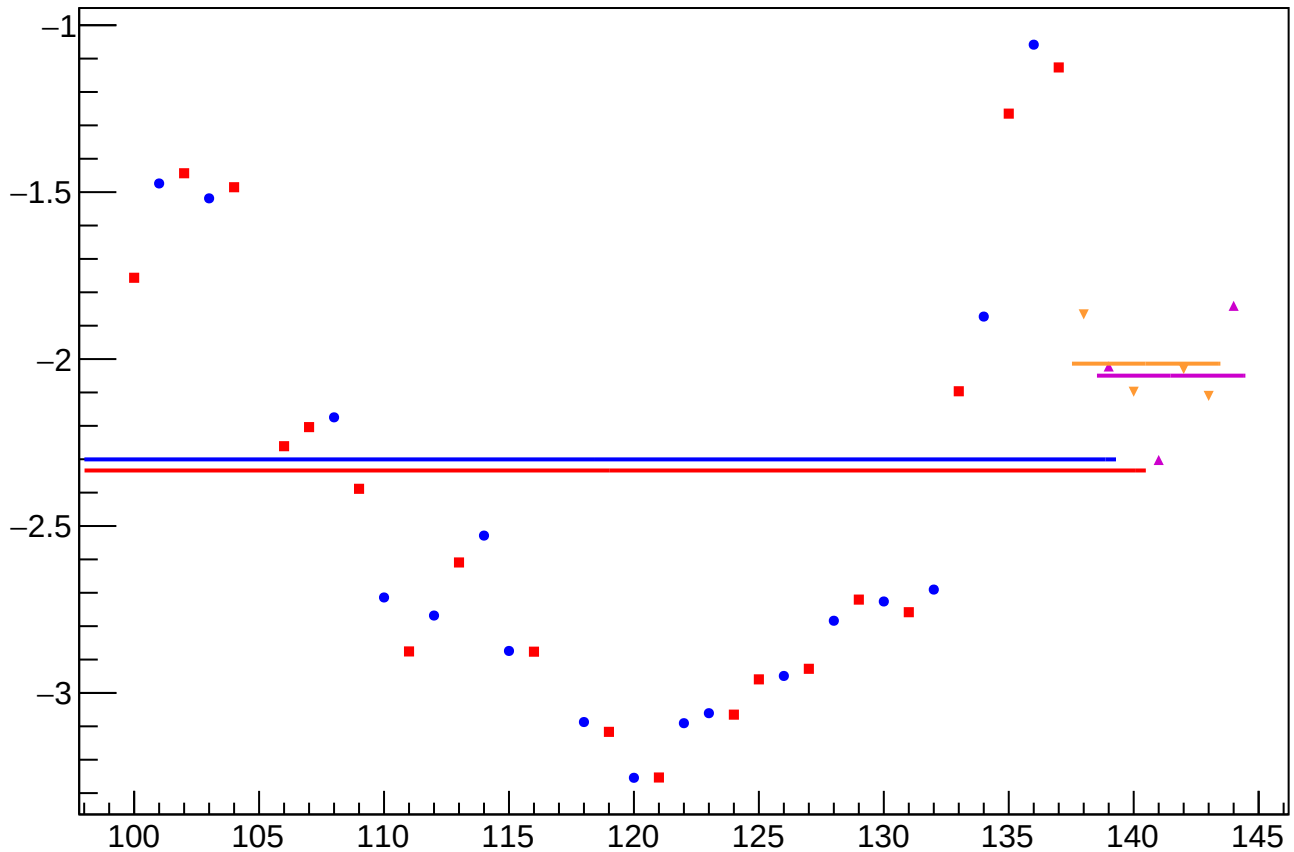
Left In: 0.010+/-0.000 χ^2/NDF :3459.3/2

+ sign 0.008+/-0.000 χ^2/NDF : 495701.2/20

All: 0.008+/-0.000 χ^2/NDF : 1091366.9/42

- sign 0.008+/-0.000 χ^2/NDF : 583229.8/21

yield_bpm2i02Y_mean vs Slug



Right In: -2.300+/-0.000 χ^2/NDF : 73601400403.2/16

Left Out: -2.014+/-0.000 χ^2/NDF : 363366811.9/3

+ sign -2.248+/-0.000 χ^2/NDF : 76105770805.2/20

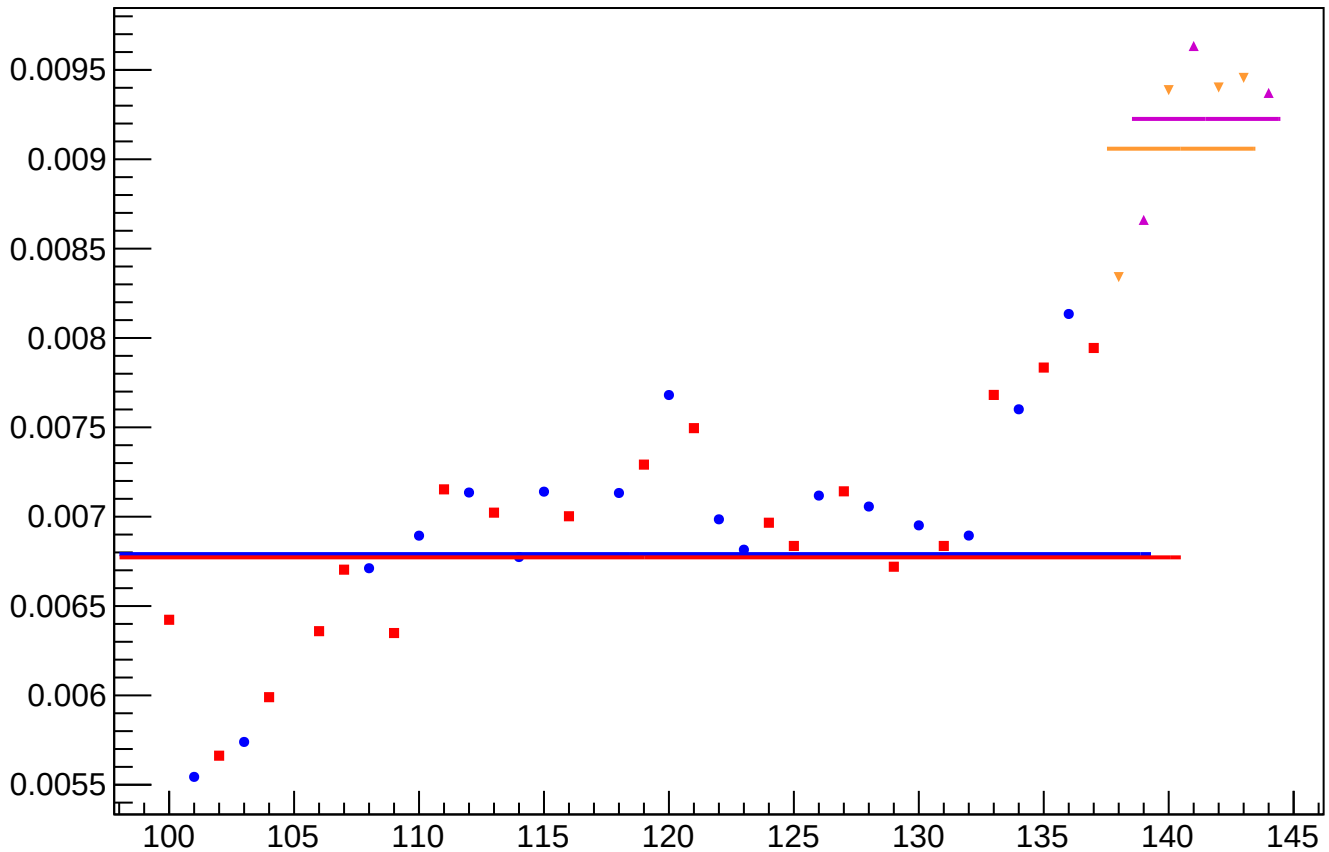
Right Out: -2.334+/-0.000 χ^2/NDF : 64343197509.4/18

All: -2.270+/-0.000 χ^2/NDF : 143518647636.8

Left In: -2.050+/-0.000 χ^2/NDF : 1011992825.3/2

- sign -2.290+/-0.000 χ^2/NDF : 67258751314.2/21

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 : 16267.0/3

Right Out: 0.007+/-0.000 χ^2/NDF : 123254.7/18

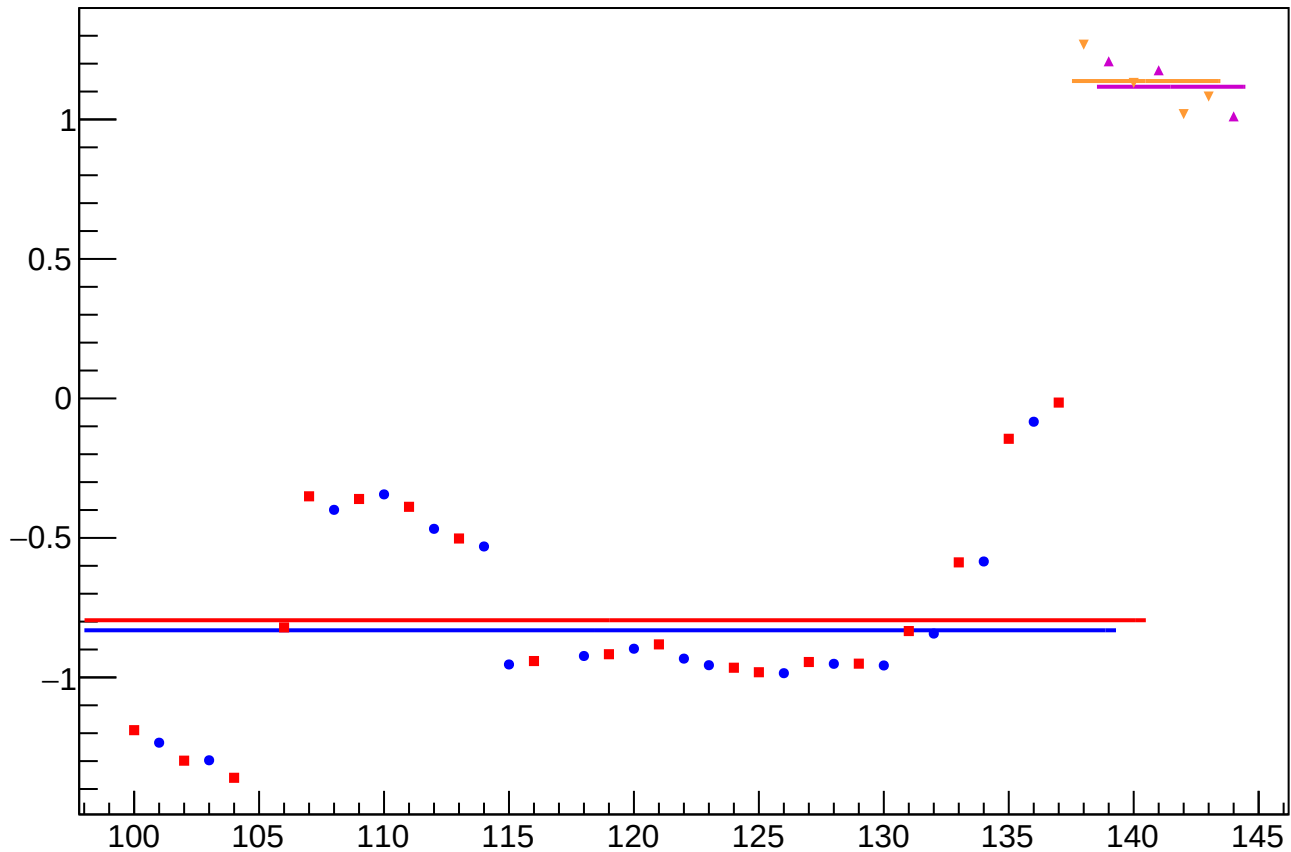
Left In: 0.009+/-0.000 χ^2/NDF : 9216.5/2

+ sign 0.007+/-0.000 χ^2/NDF : 450062.2/20

All: 0.007+/-0.000 χ^2/NDF : 867059.4/42

- sign 0.007+/-0.000 χ^2/NDF : 416504.6/21

yield_bpm0i01X_mean vs Slug



Right In: -0.831 ± 0.000 χ^2/NDF : 6684927415.2/16

Left Out: 1.138 ± 0.000 χ^2/NDF : 135493796.5/3

Right Out: -0.795 ± 0.000 χ^2/NDF : 7817248130.7/18

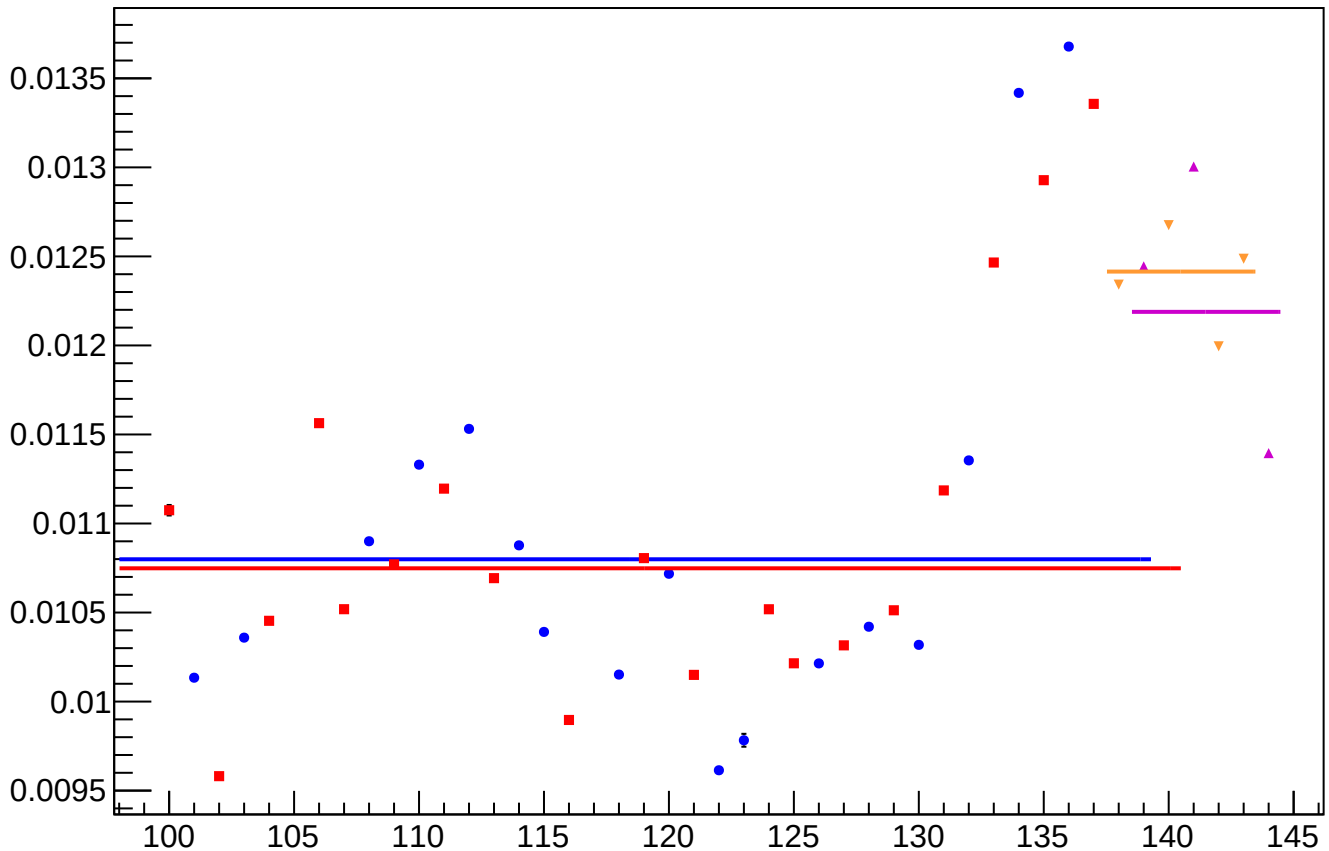
Left In: 1.117 ± 0.000 χ^2/NDF : 127176228.5/2

+ sign -0.377 ± 0.000 χ^2/NDF : 57049274564.0/20

All: -0.385 ± 0.000 χ^2/NDF : 110797186065.9

- sign -0.393 ± 0.000 χ^2/NDF : 53738579467.9/21

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 : 1802.0/3

Right Out: 0.011 $\pm$ 0.000 χ^2/NDF : 89612.1/18

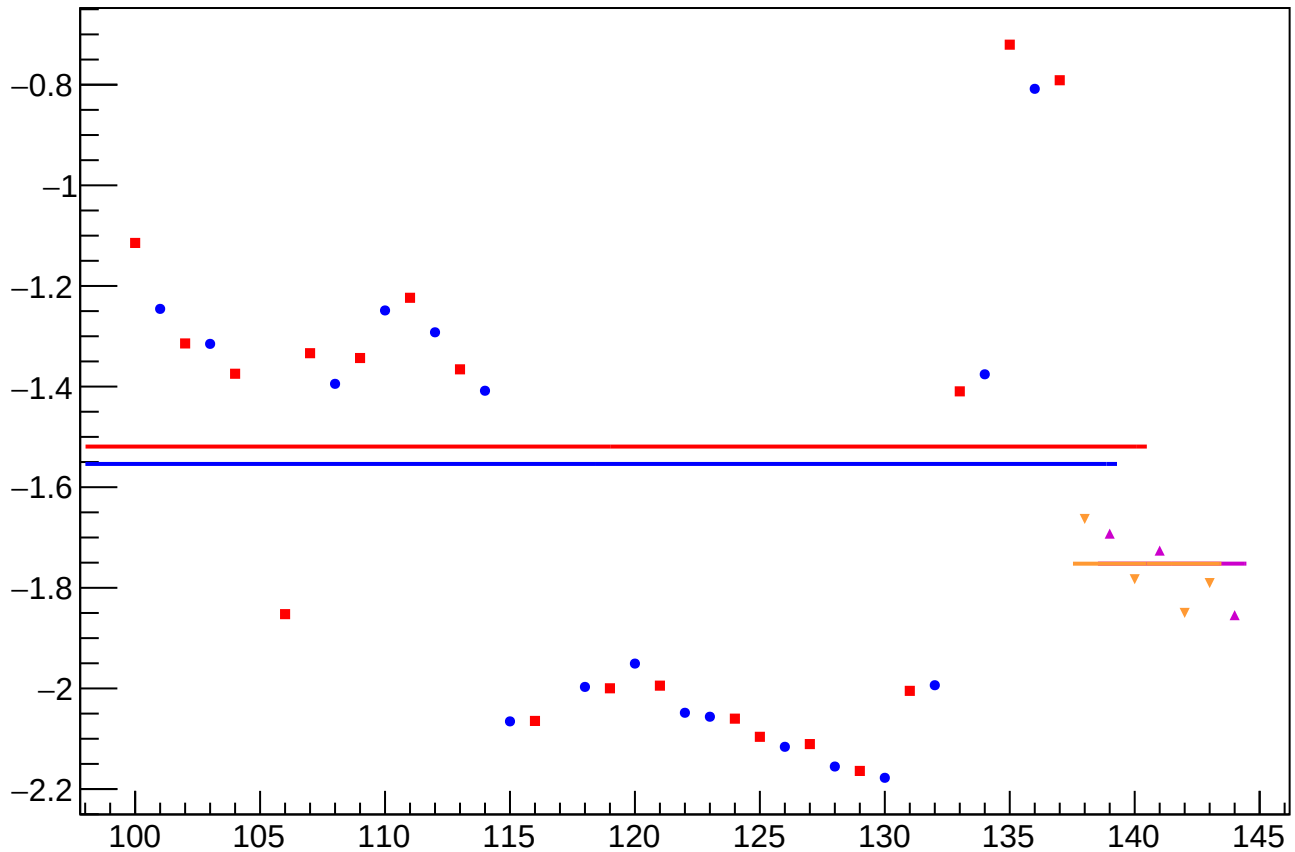
Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 15397.7/2

+ sign 0.011 $\pm$ 0.000 χ^2/NDF : 194263.8/20

All: 0.011 $\pm$ 0.000 χ^2/NDF : 352296.1/42

- sign 0.011 $\pm$ 0.000 χ^2/NDF : 156955.9/21

yield_bpm0i01Y_mean vs Slug



Right In: -1.554 ± 0.000 $\chi^2/\text{NDF}: 153751208532.9/16$

Left Out: -1.752 ± 0.000 $\chi^2/\text{NDF}: 1389659731.4/3$

+ sign -1.605 ± 0.000 $\chi^2/\text{NDF}: 163815667875.0/20$

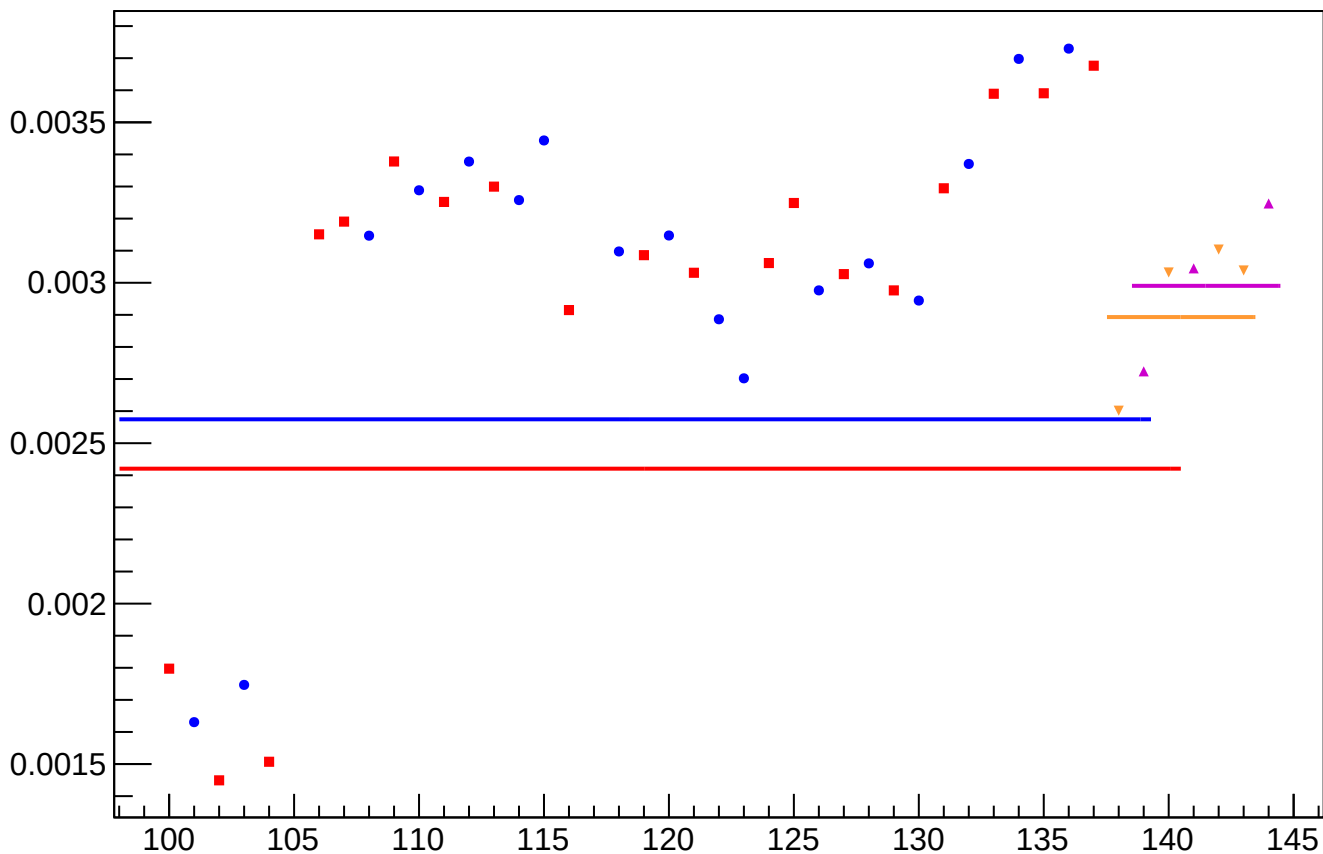
Right Out: -1.519 ± 0.000 $\chi^2/\text{NDF}: 138061021403.9/18$

All: -1.585 ± 0.000 $\chi^2/\text{NDF}: 314542649795.3$

- sign -1.567 ± 0.000 $\chi^2/\text{NDF}: 149849911892.0/21$

Left In: -1.752 ± 0.000 $\chi^2/\text{NDF}: 1136485072.9/2$

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF : 1013543.2/16

Left Out: 0.003+/-0.000 χ^2/NDF : 27450.9/3

Right Out: 0.002+/-0.000 χ^2/NDF : 1484766.5/18

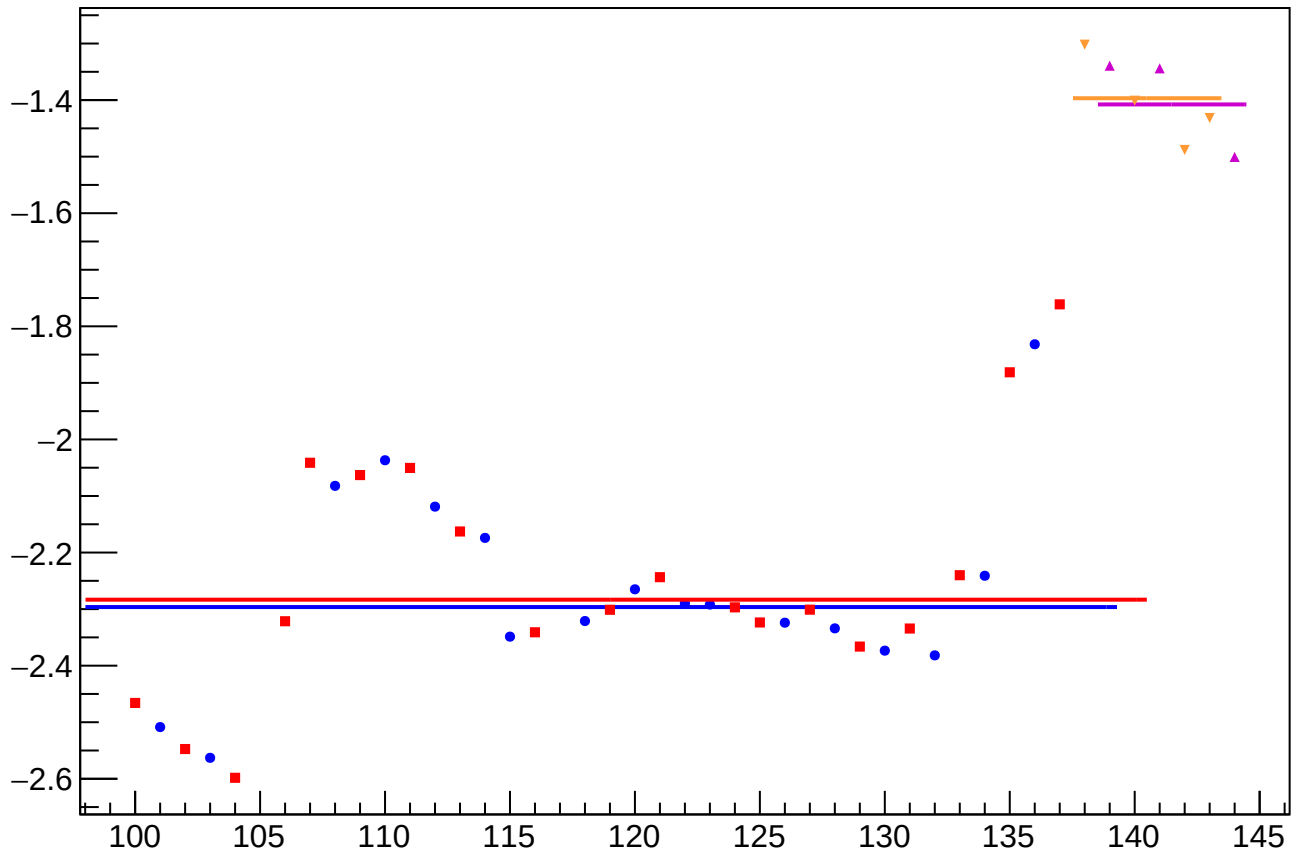
Left In: 0.003+/-0.000 χ^2/NDF : 22626.2/2

+ sign 0.003+/-0.000 χ^2/NDF : 1085827.1/20

All: 0.003+/-0.000 χ^2/NDF : 2738080.5/42

- sign 0.003+/-0.000 χ^2/NDF : 1635159.2/21

yield_bpm0i01aX_mean vs Slug



Right In: -2.296 ± 0.000 χ^2/NDF : 5781445779.2/16

Left Out: -1.397 ± 0.000 χ^2/NDF : 150735118.2/3

Right Out: -2.283 ± 0.000 χ^2/NDF : 6547805693.1/18

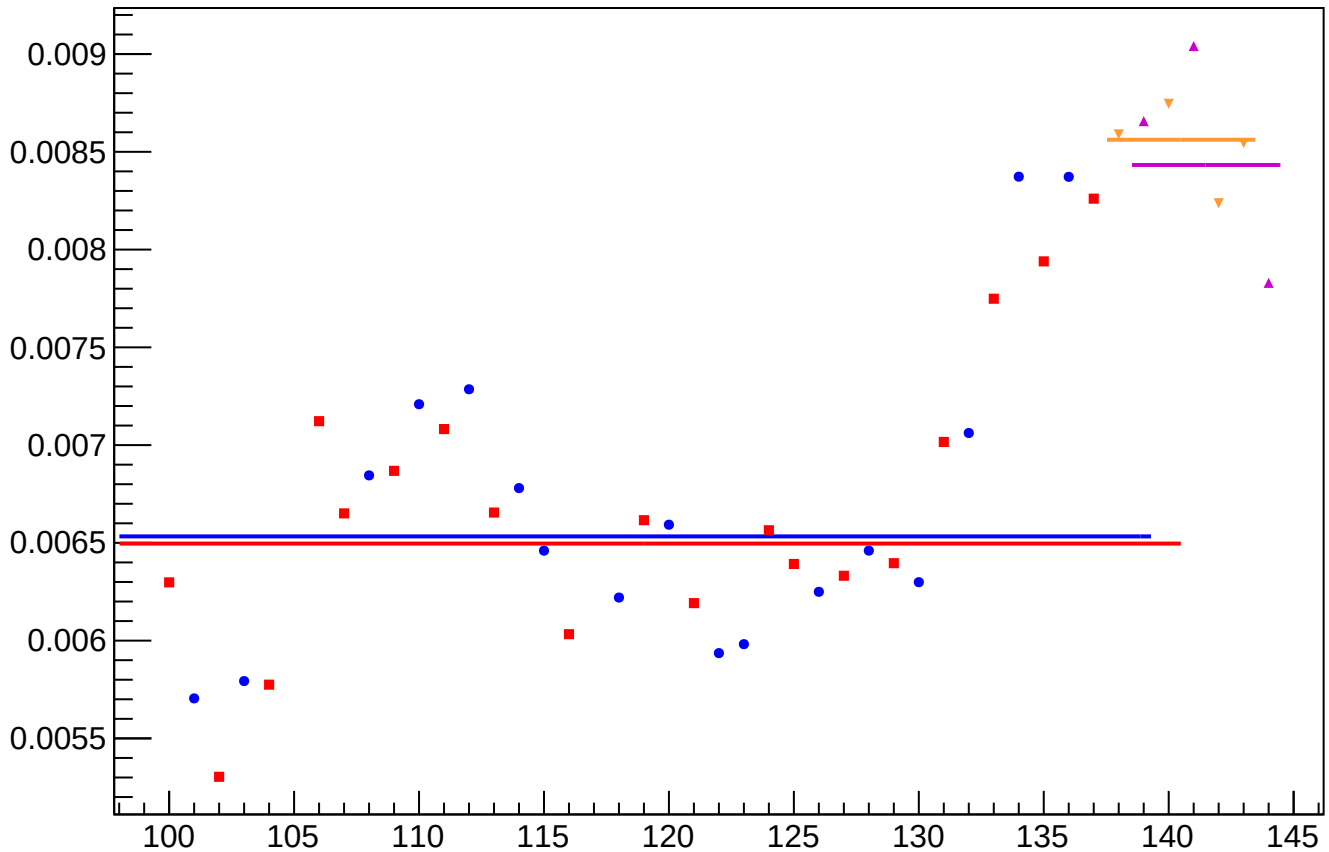
Left In: -1.408 ± 0.000 χ^2/NDF : 201833739.3/2

+ sign -2.126 ± 0.000 χ^2/NDF : 29090505249.2/20

All: -2.130 ± 0.000 χ^2/NDF : 56792073768.2/21

- sign -2.134 ± 0.000 χ^2/NDF : 27695236497.3/21

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: 2021.2/3

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 163206.3/18

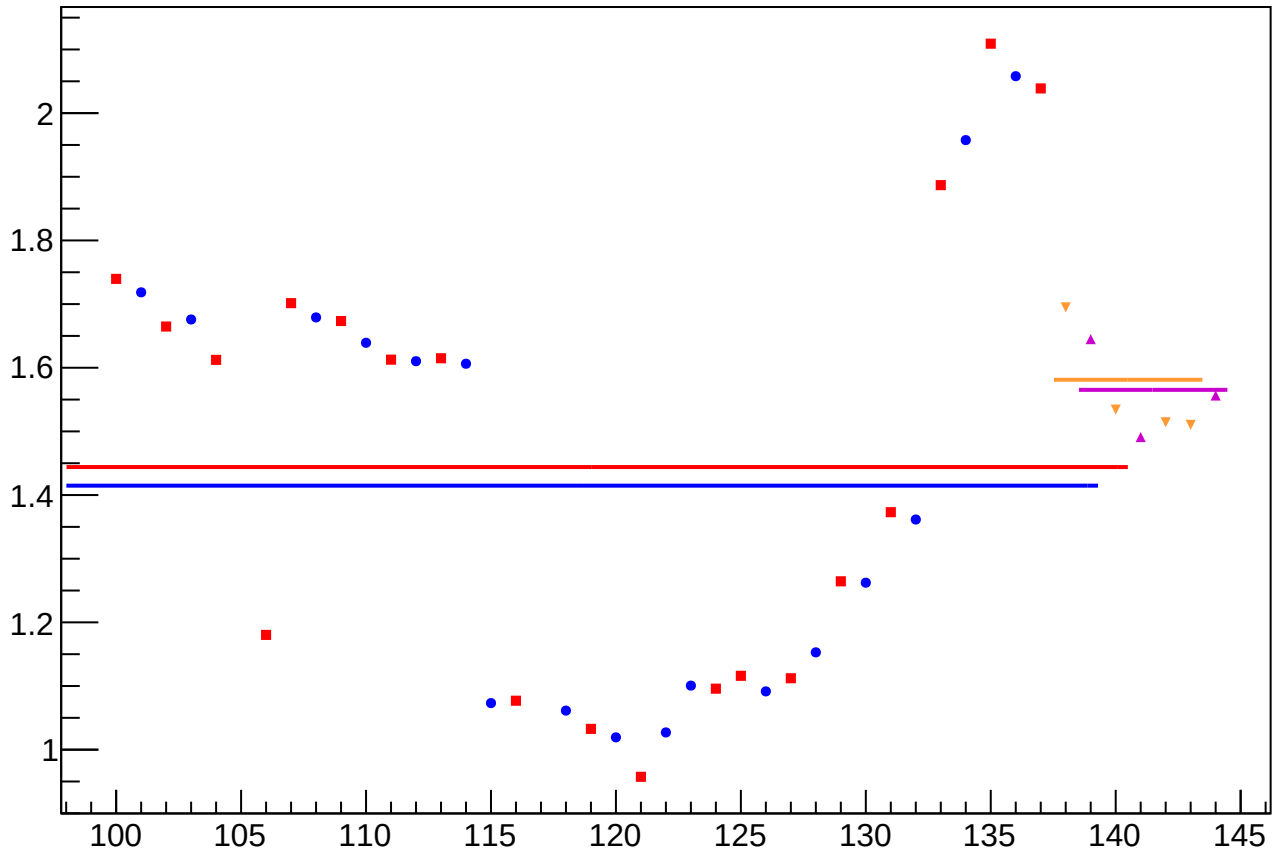
Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 18433.9/2

+ sign 0.007 $\pm$ 0.000 χ^2 /NDF: 413118.7/20

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 801181.4/42

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 386487.8/21

yield_bpm0i01aY_mean vs Slug



Right In: 1.415+/-0.000 χ^2/NDF : 171733730631.9/16

Left Out: 1.581+/-0.000 χ^2/NDF : 760497352.4/3

Right Out: 1.444+/-0.000 χ^2/NDF : 172869416198.6/18

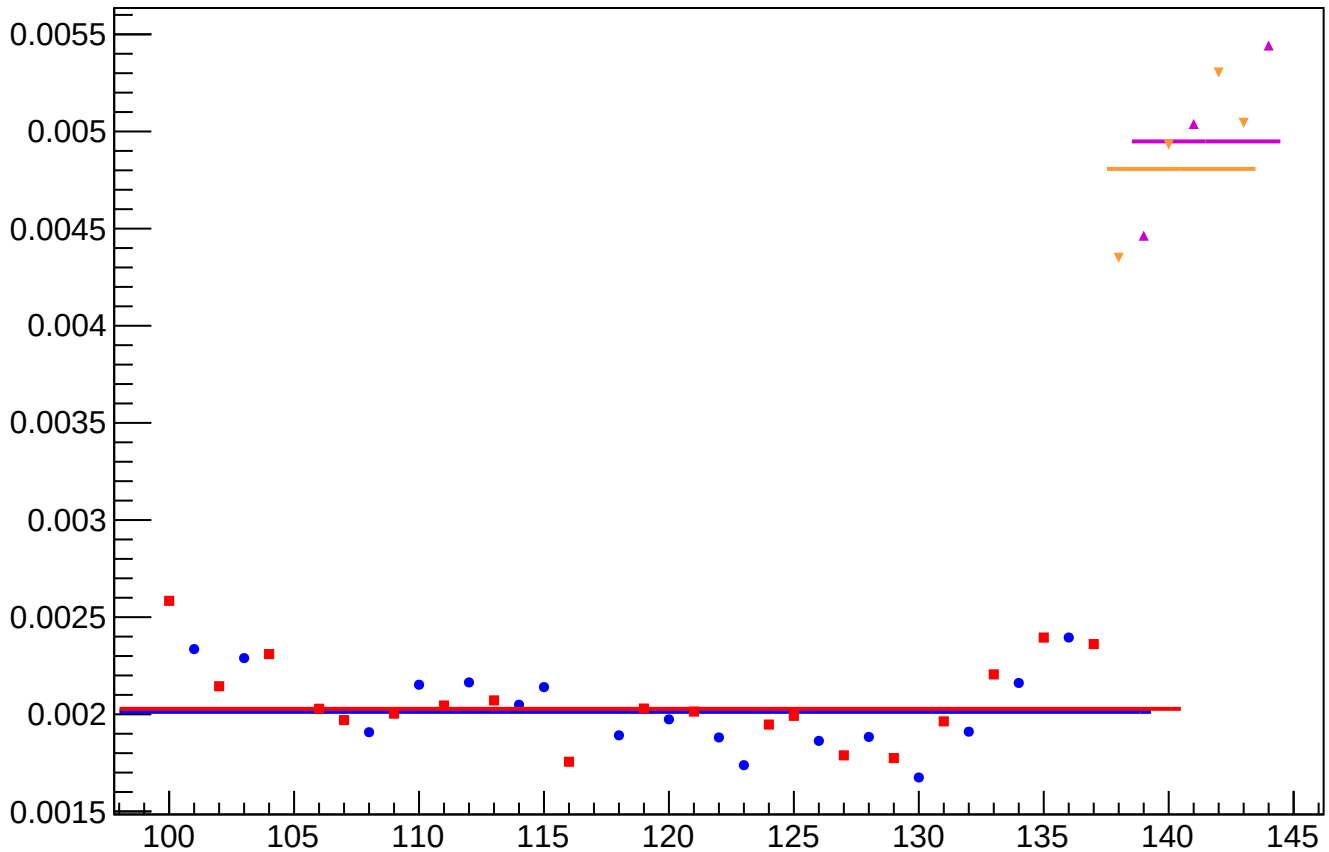
Left In: 1.565+/-0.000 χ^2/NDF : 395496068.9/2

+ sign 1.426+/-0.000 χ^2/NDF : 175362561486.6/20

All: 1.439+/-0.000 χ^2/NDF : 350425180522.2

- sign 1.451+/-0.000 χ^2/NDF : 174561902857.3/21

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:27122.2/3

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 102976.0/18

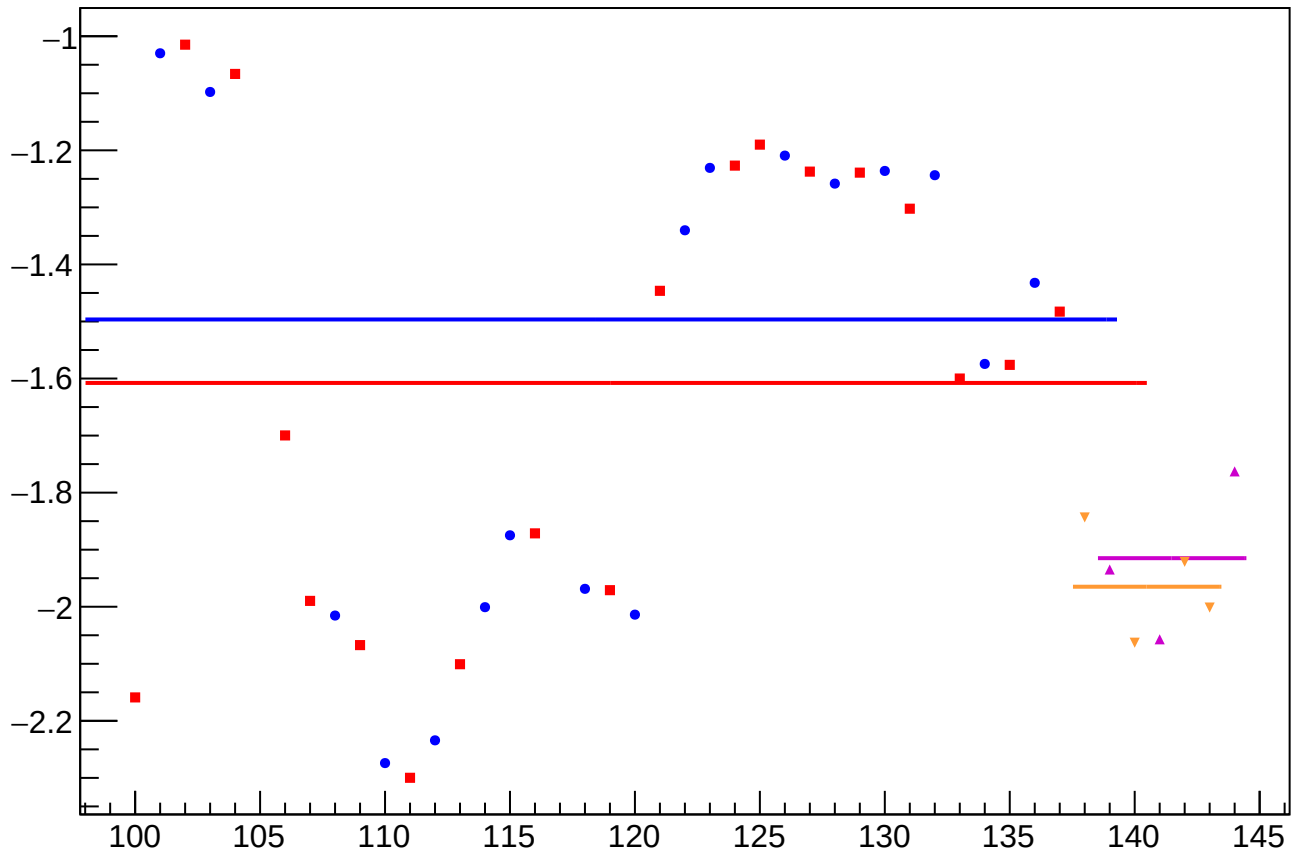
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:29515.1/2

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 1795447.0/20

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 3432378.8/42

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 1636711.0/21

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2 /NDF: 22480434073.3/16

Left Out: -1.965+/-0.000 χ^2 /NDF: 653442155.7/3

Right Out: -1.608+/-0.000 χ^2 /NDF: 27825836681.8/18

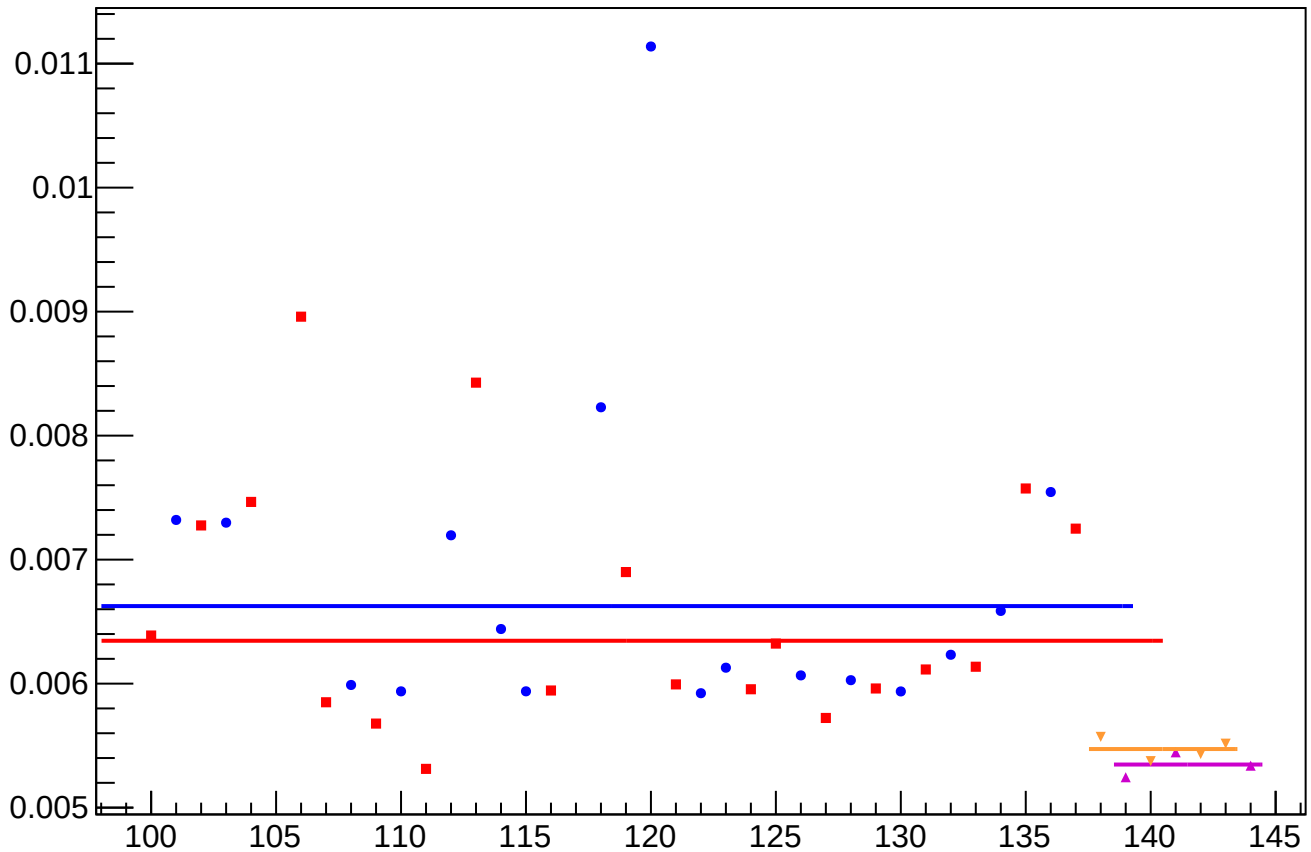
Left In: -1.915+/-0.000 χ^2 /NDF: 1243594529.9/2

+ sign -1.675+/-0.000 χ^2 /NDF: 34695080053.3/20

All: -1.693+/-0.000 χ^2 /NDF: 69010013819.0/21

- sign -1.710+/-0.000 χ^2 /NDF: 34175774617.0/21

yield_bpm0l01X_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 231716.4/16

Left Out: 0.005 $\pm$ 0.000 χ^2 /NDF:1080.5/3

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 228829.0/18

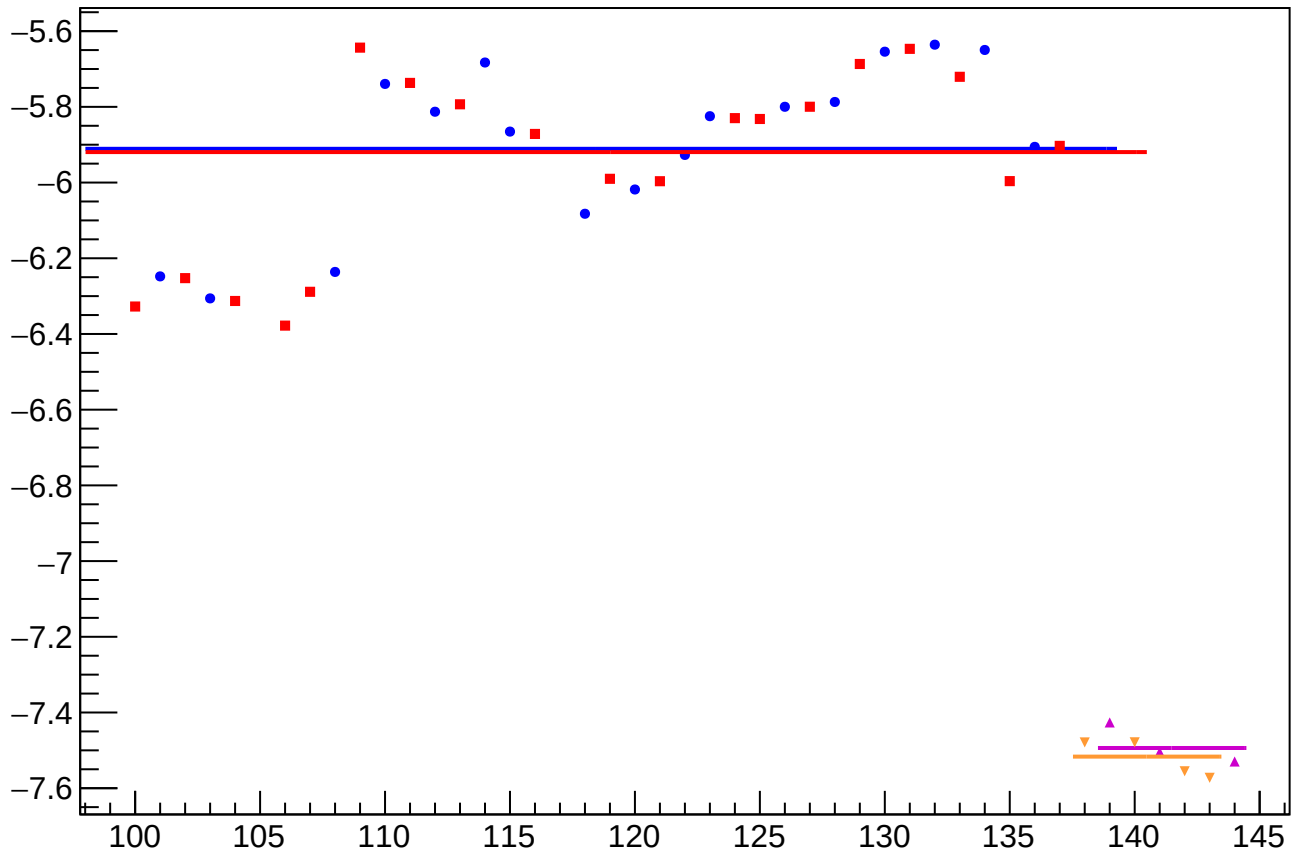
Left In: 0.005 $\pm$ 0.000 χ^2 /NDF:1051.9/2

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 372830.1/20

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 717406.2/42

- sign 0.006 $\pm$ 0.000 χ^2 /NDF: 337740.6/21

yield_bpm0l01Y_mean vs Slug



Right In: -5.911 $\pm$ 0.000 χ^2 /NDF: 11134606775.1/16

Left Out: -7.517 $\pm$ 0.000 χ^2 /NDF: 58906727.6/3

+ sign -6.123 $\pm$ 0.000 χ^2 /NDF: 79939314025.5/20

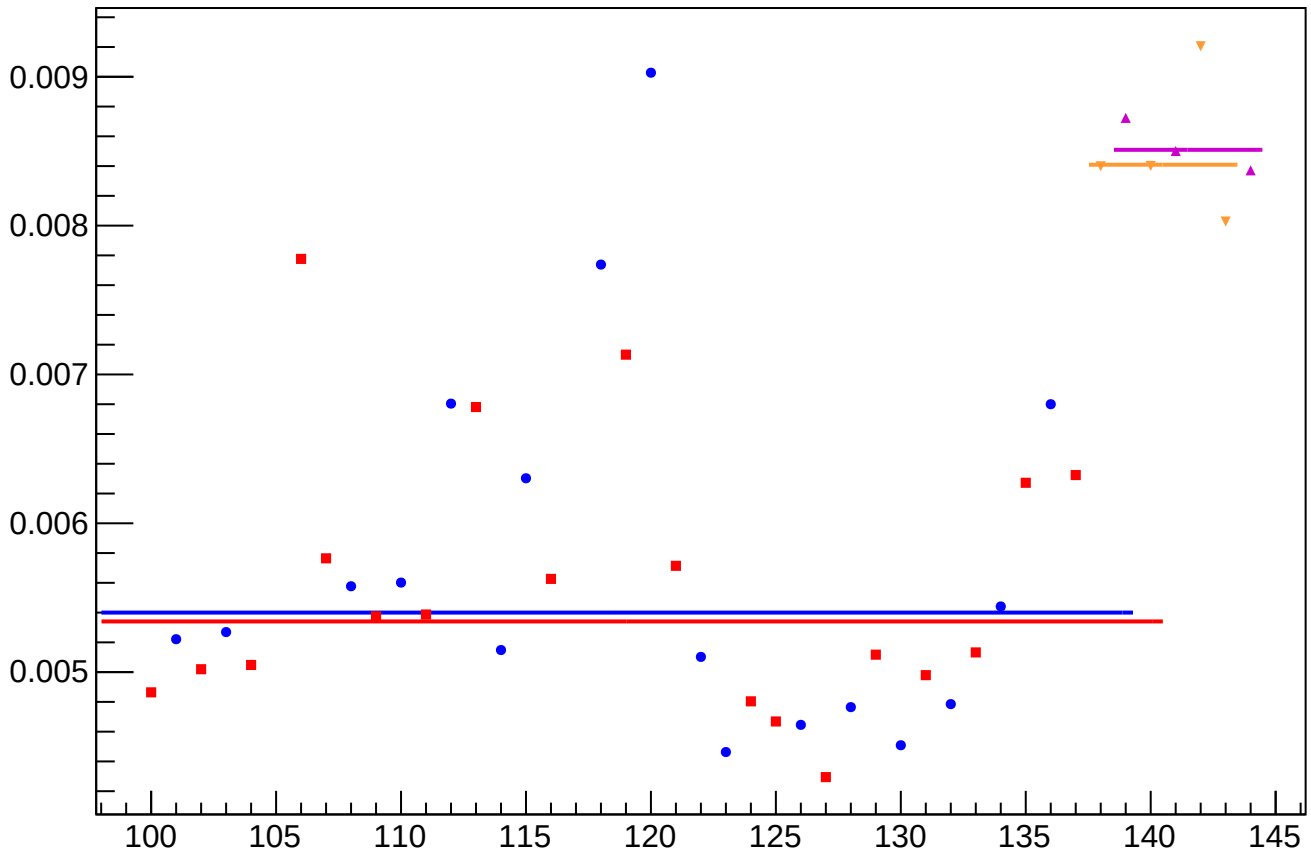
Right Out: -5.919 $\pm$ 0.000 χ^2 /NDF: 12817250659.6/18

All: -6.110 $\pm$ 0.000 χ^2 /NDF: 155220005387.3

- sign -6.097 $\pm$ 0.000 χ^2 /NDF: 75201367131.4/21

Left In: -7.494 $\pm$ 0.000 χ^2 /NDF: 48184111.1/2

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 :8140.1/3

Right Out: 0.005+/-0.000 χ^2/NDF : 251605.9/18

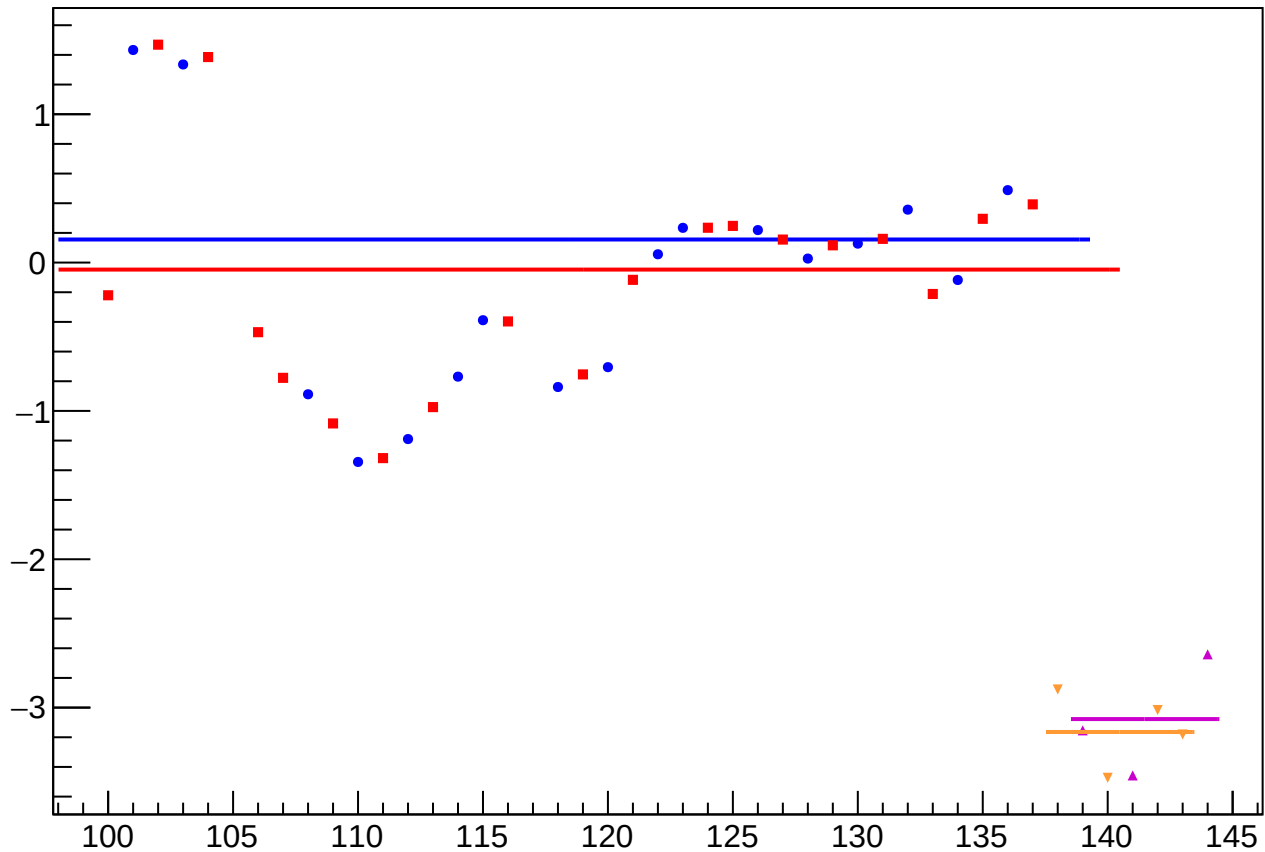
Left In: 0.009+/-0.000 χ^2/NDF :1084.2/2

+ sign 0.006+/-0.000 χ^2/NDF : 861455.7/20

All: 0.006+/-0.000 χ^2/NDF : 1621606.0/42

- sign 0.006+/-0.000 χ^2/NDF : 757778.5/21

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 : 505215353.8/3

Right Out: -0.047+/-0.000 χ^2/NDF : 21207878974.4/18

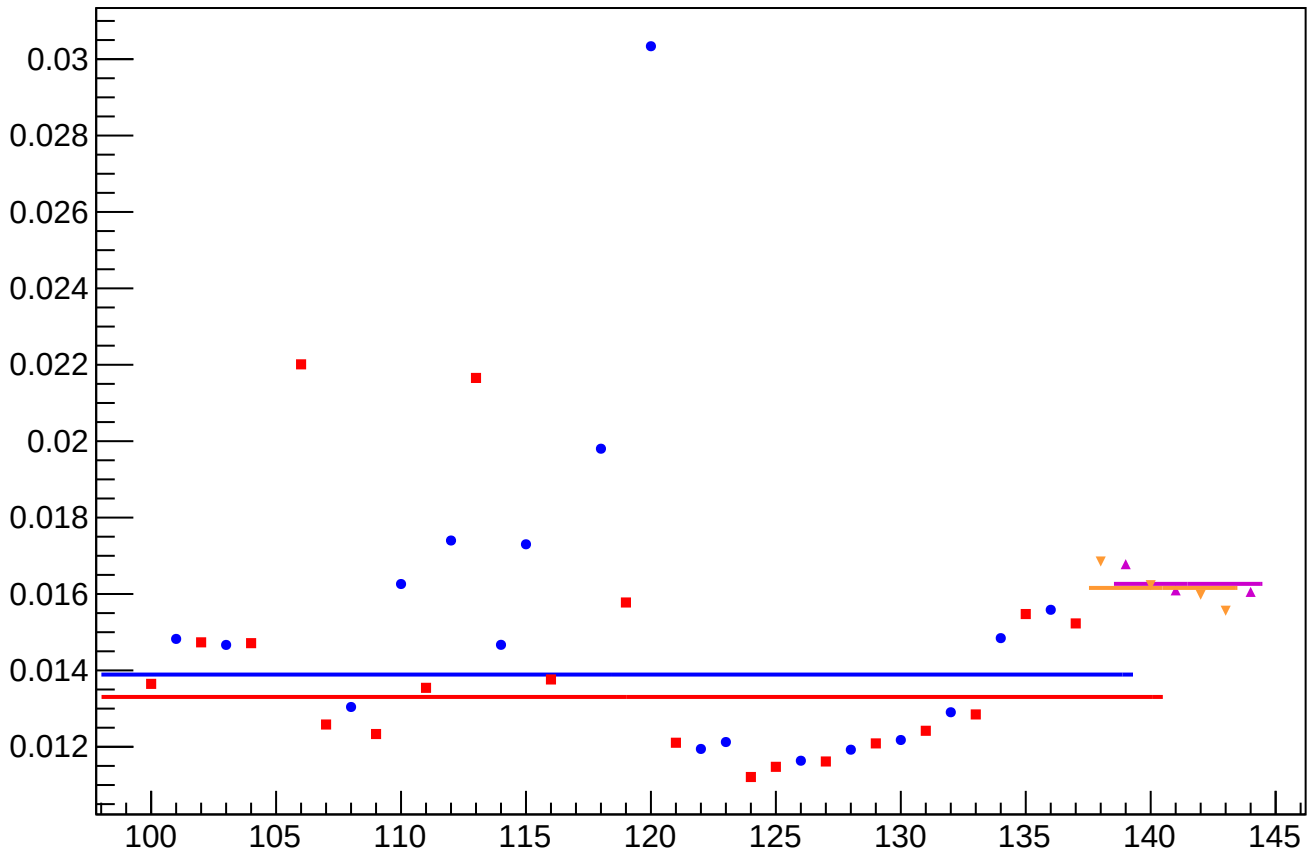
Left In: -3.077+/-0.000 χ^2/NDF : 1075758373.3/2

+ sign -0.632+/-0.000 χ^2/NDF : 97391328234.0/20

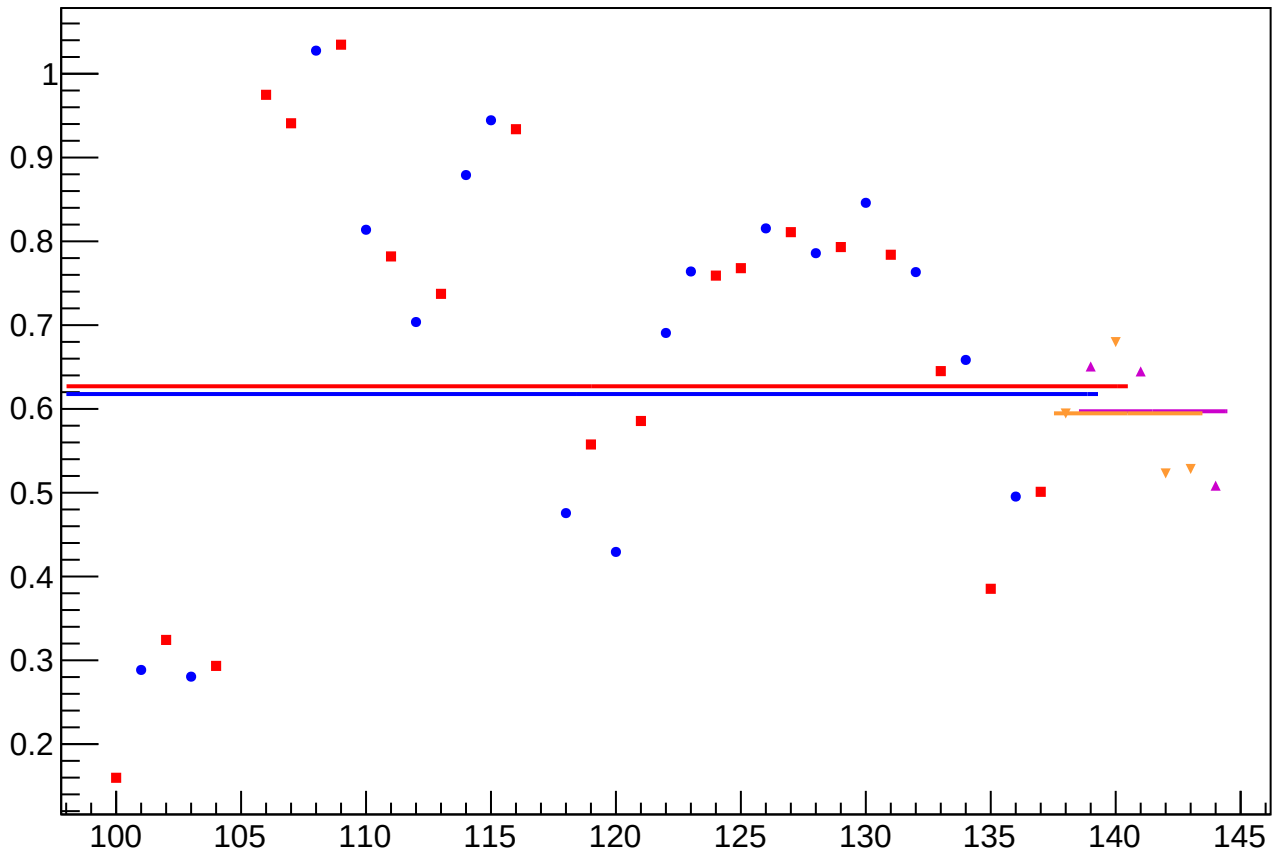
All: -0.632+/-0.000 χ^2/NDF : 184035462811.3

- sign -0.631+/-0.000 χ^2/NDF : 86644128445.9/21

yield_bpm0l02X_rms vs Slug



yield_bpm0l02Y_mean vs Slug



Right In: 0.618 $\pm$ 0.000 χ^2 /NDF: 5402179431.9/16

Left Out: 0.595 $\pm$ 0.000 χ^2 /NDF: 203103949.2/3

+ sign 0.610 $\pm$ 0.000 χ^2 /NDF: 5621821695.0/20

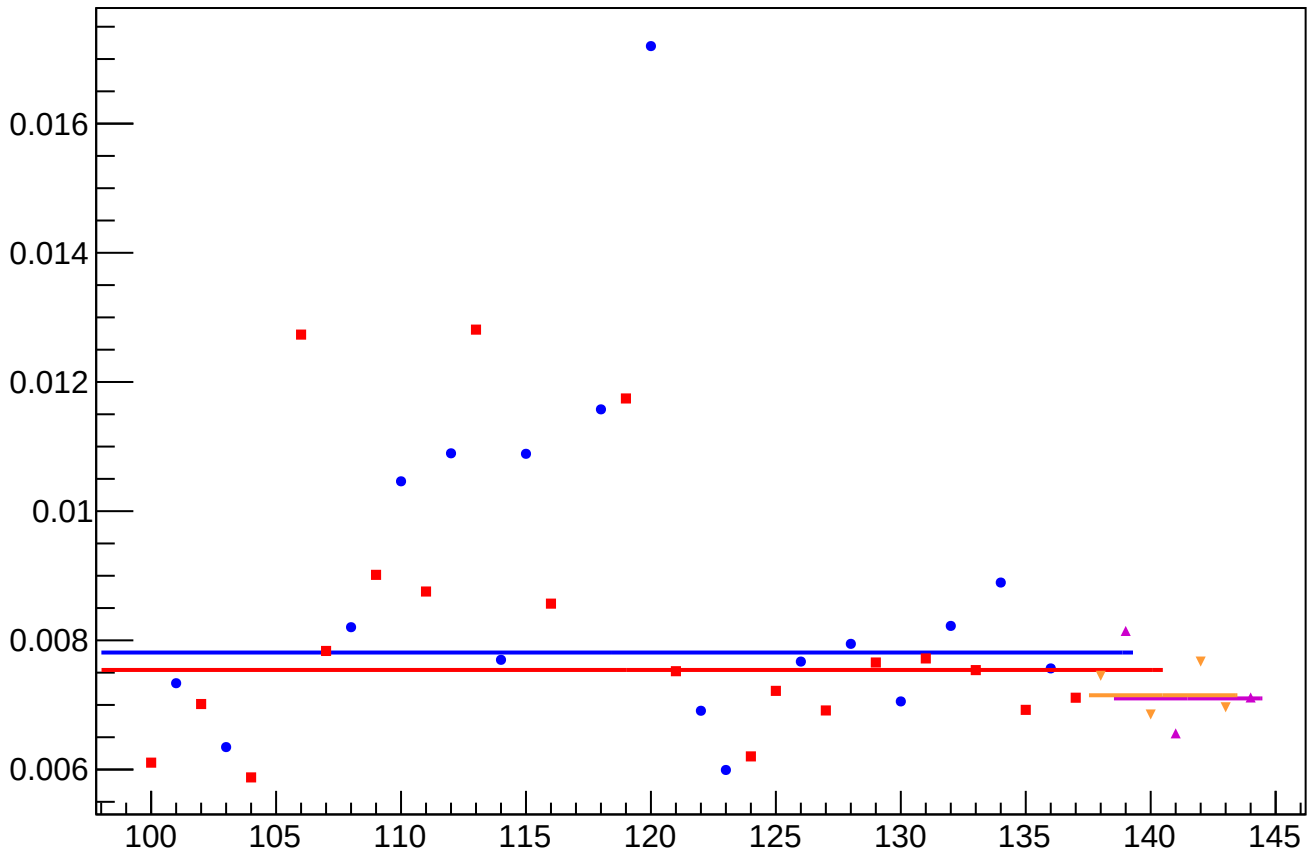
Right Out: 0.627 $\pm$ 0.000 χ^2 /NDF: 6335950203.8/18

All: 0.614 $\pm$ 0.000 χ^2 /NDF: 12183194281.8/4

- sign 0.618 $\pm$ 0.000 χ^2 /NDF: 6556363876.5/21

Left In: 0.597 $\pm$ 0.000 χ^2 /NDF: 192647715.4/2

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 467235.0/16

Left Out: 0.007+/-0.000 χ^2/NDF :9405.6/3

Right Out: 0.008+/-0.000 χ^2/NDF : 441480.1/18

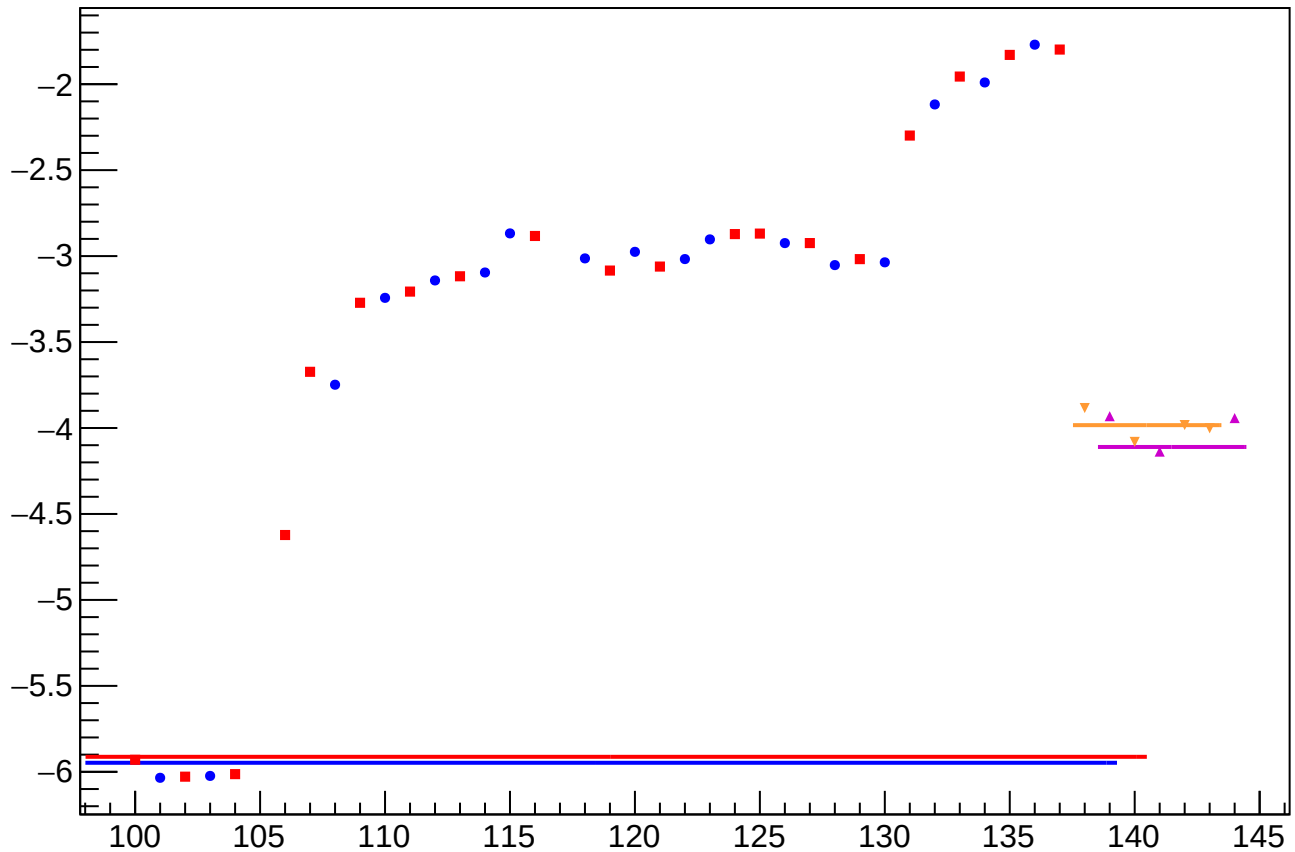
Left In: 0.007+/-0.000 χ^2/NDF :31496.0/2

+ sign 0.008+/-0.000 χ^2/NDF : 503936.2/20

All: 0.008+/-0.000 χ^2/NDF : 993730.2/42

- sign 0.007+/-0.000 χ^2/NDF : 485080.4/21

yield_bpm0l03X_mean vs Slug



Right In: -5.947+/-0.000 χ^2/NDF : 13110506154.0/16

Left Out: -3.983+/-0.000 χ^2/NDF : 1995037.4/3

Right Out: -5.913+/-0.000 χ^2/NDF : 14598904051.6/18

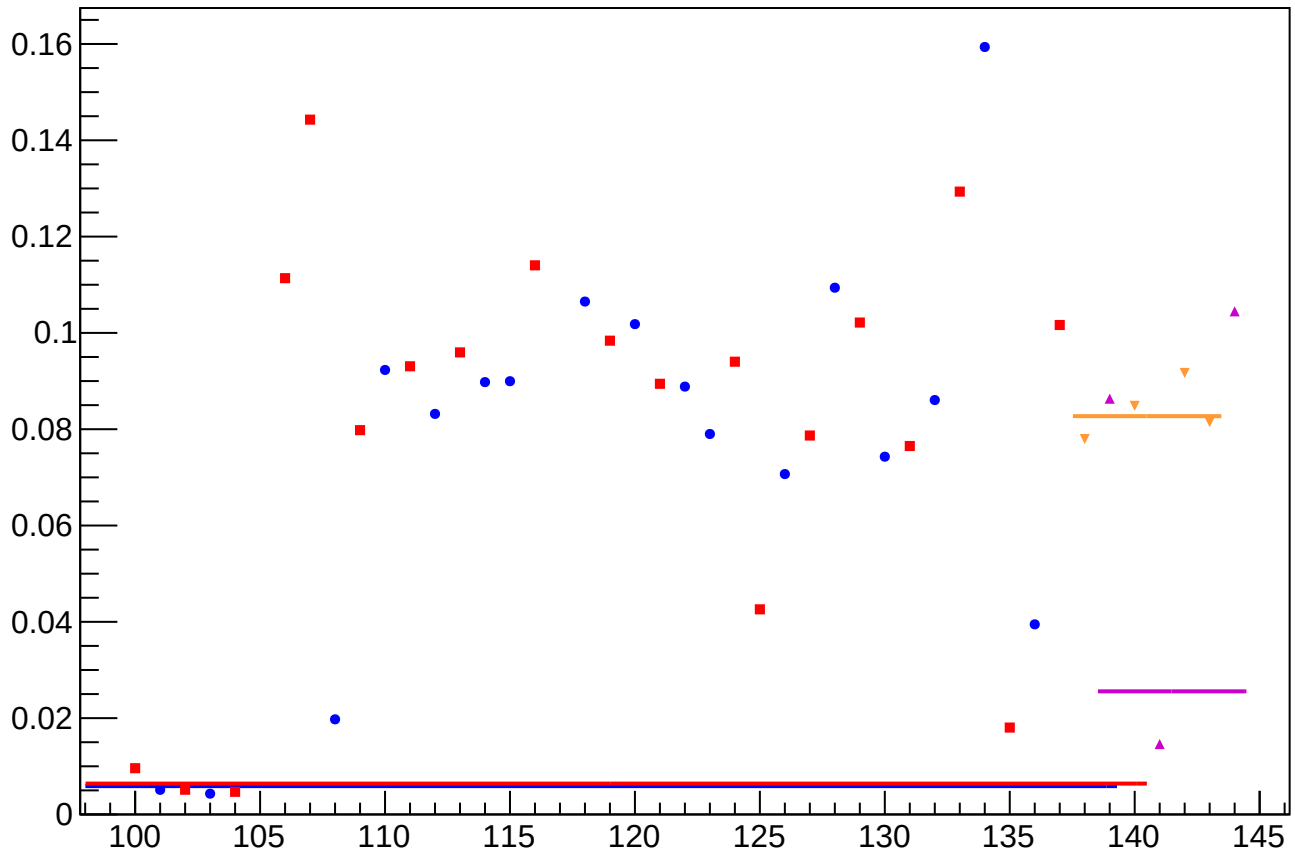
Left In: -4.110+/-0.000 χ^2/NDF : 4719312.3/2

+ sign -5.933+/-0.000 χ^2/NDF : 14438890097.6/20

All: -5.903+/-0.000 χ^2/NDF : 32331499385.4/

- sign -5.866+/-0.000 χ^2/NDF : 17796466904.7/21

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 :13910.8/3

Right Out: 0.006+/-0.000 χ^2/NDF : 8462409.6/18

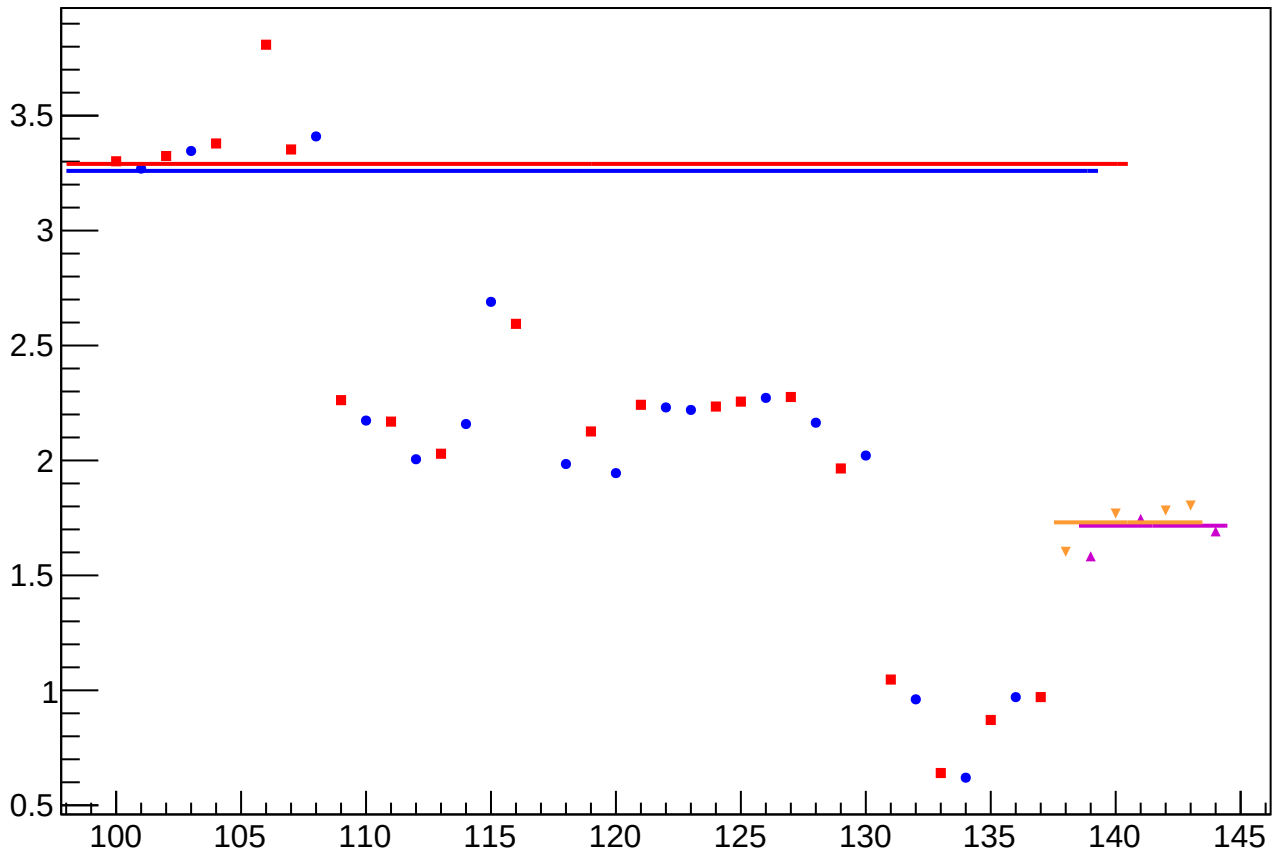
Left In: 0.026+/-0.000 χ^2/NDF :1575070.7/2

+ sign 0.006+/-0.000 χ^2/NDF : 11985495.7/20

All: 0.007+/-0.000 χ^2/NDF : 22753627.5/42

- sign 0.007+/-0.000 χ^2/NDF : 10758942.5/21

yield_bpm0l03Y_mean vs Slug



Right In: 3.260 $\pm$ 0.000 χ^2 /NDF: 2914830636.8/16

Left Out: 1.731 $\pm$ 0.000 χ^2 /NDF:2296701.6/3

Right Out: 3.290 $\pm$ 0.000 χ^2 /NDF: 3257931929.9/18

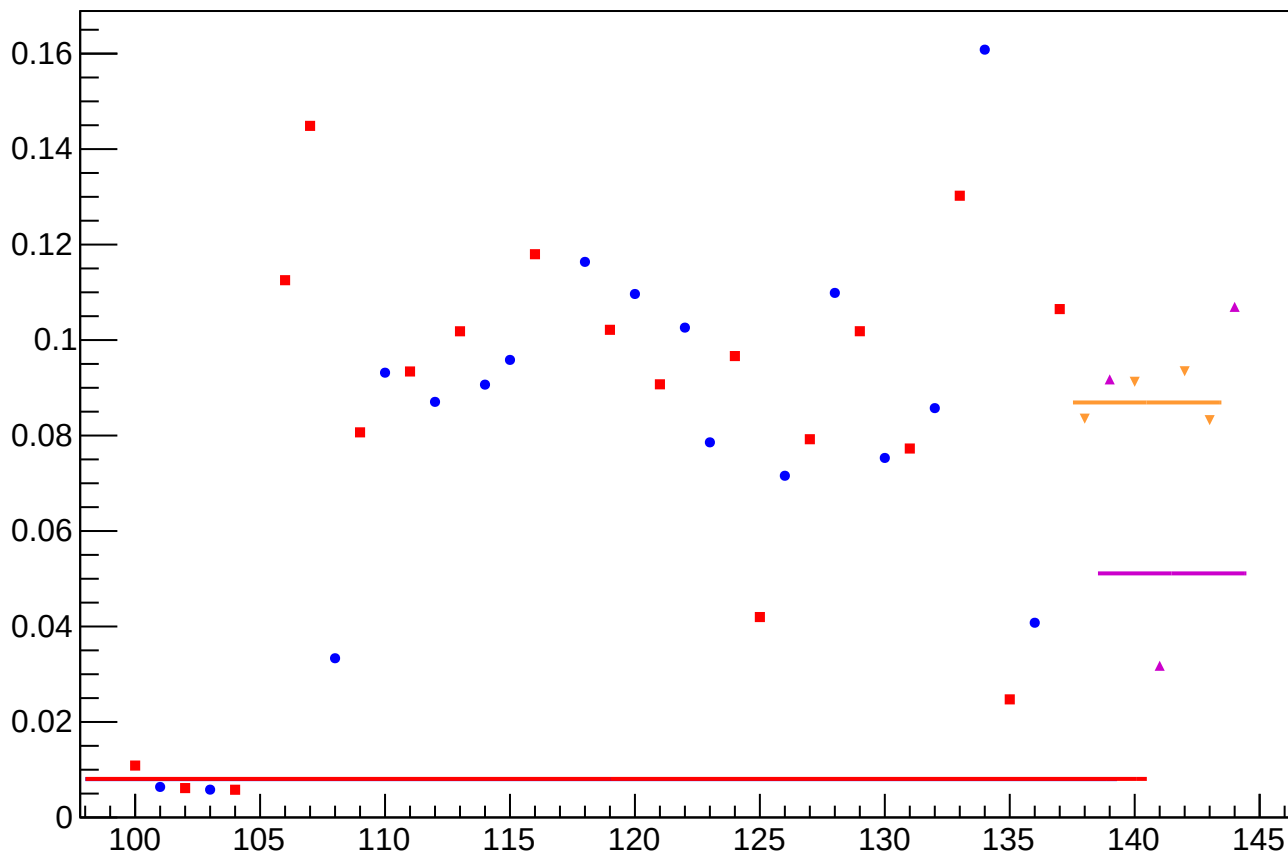
Left In: 1.716 $\pm$ 0.000 χ^2 /NDF:1356837.3/2

+ sign 3.243 $\pm$ 0.000 χ^2 /NDF: 3645442735.0/20

All: 3.253 $\pm$ 0.000 χ^2 /NDF: 7995675830.7/42

- sign 3.264 $\pm$ 0.000 χ^2 /NDF: 4344118920.2/21

yield_bpm0l03Y_rms vs Slug



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 7721103.3/16

Left Out: 0.087 $\pm$ 0.000 χ^2 /NDF:11753.1/3

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 8274347.6/18

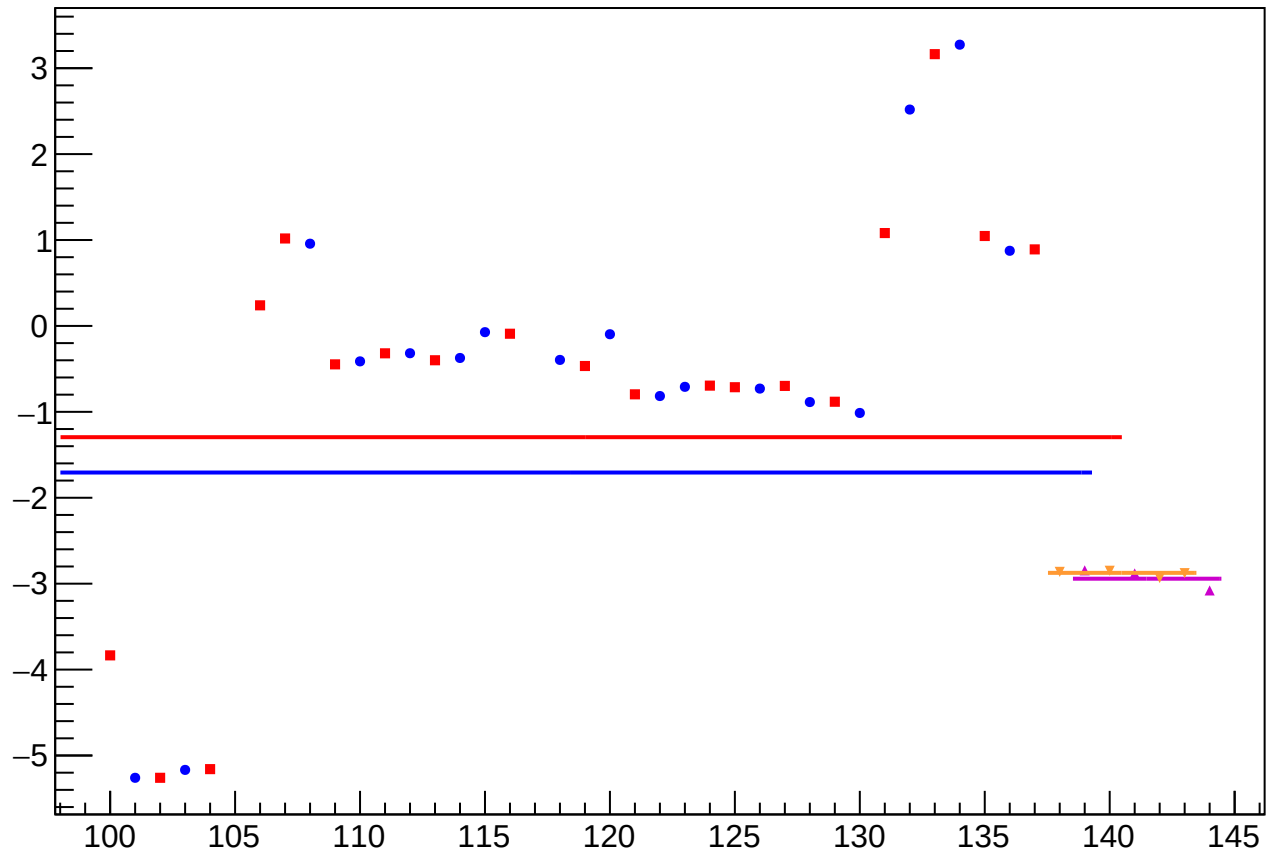
Left In: 0.051 $\pm$ 0.000 χ^2 /NDF:855496.0/2

+ sign 0.009 $\pm$ 0.000 χ^2 /NDF: 11611575.5/20

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 22364910.7/42

- sign 0.009 $\pm$ 0.000 χ^2 /NDF: 10753078.1/21

yield_bpm0l04X_mean vs Slug



Right In: -1.706+/-0.000 χ^2/NDF : 166152957432.2/16

Left Out: -2.874+/-0.000 χ^2/NDF : 37861256.8/3

Right Out: -1.295+/-0.000 χ^2/NDF : 178454284120.5/18

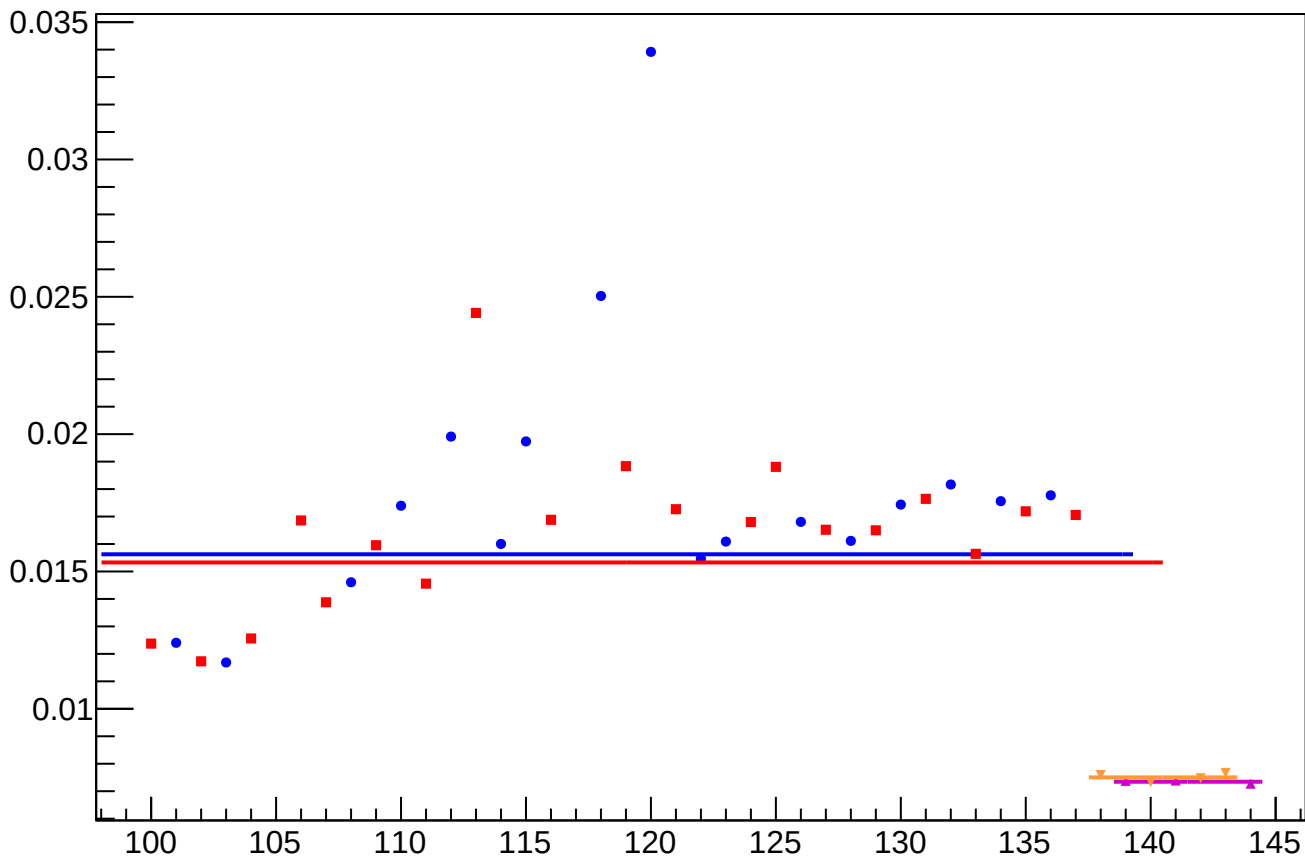
Left In: -2.942+/-0.000 χ^2/NDF : 464852104.7/2

+ sign -2.480+/-0.000 χ^2/NDF : 186885773967.5/20

All: -2.398+/-0.000 χ^2/NDF : 411049788296.3

- sign -2.317+/-0.000 χ^2/NDF : 223247024572.7/21

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 : 1654.7/3

Right Out: 0.015+/-0.000 χ^2/NDF : 349445.5/18

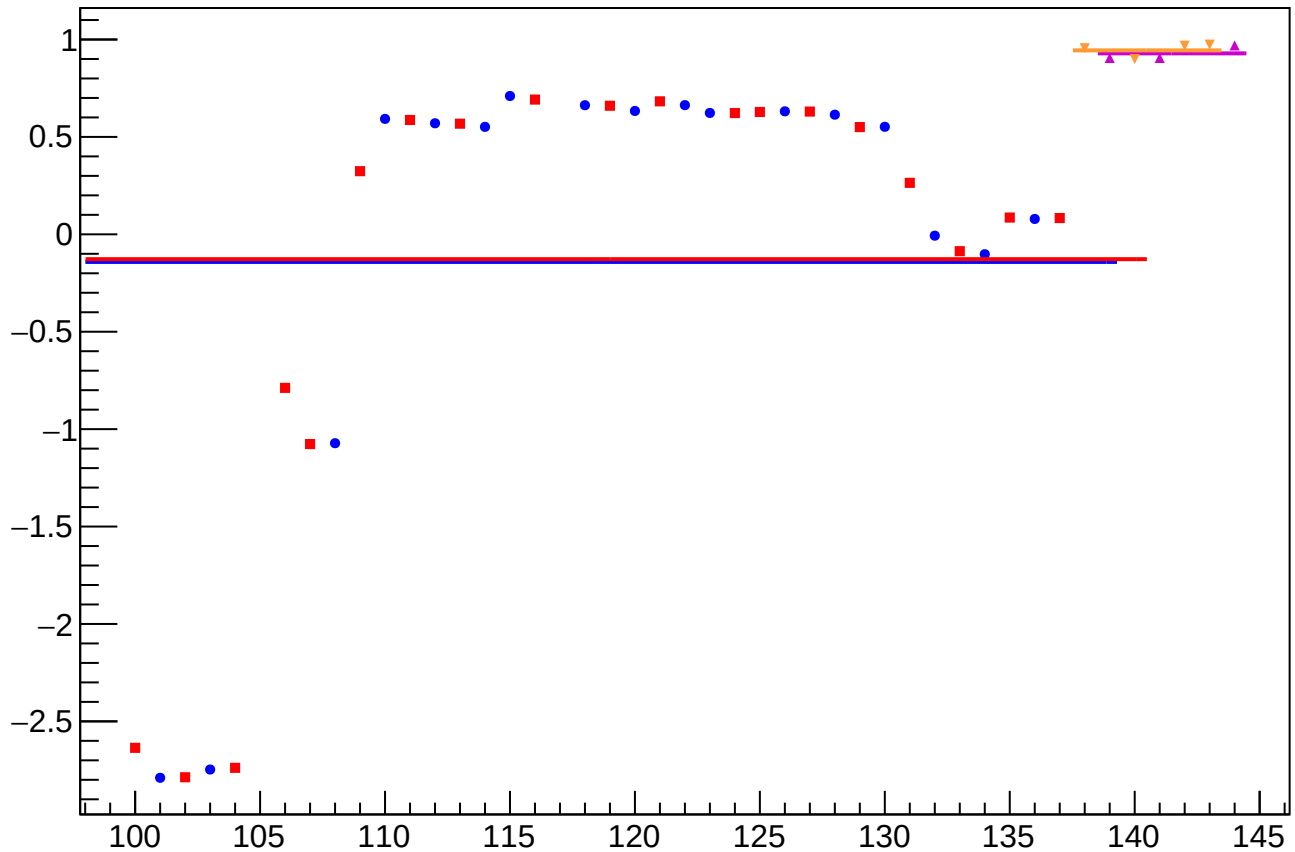
Left In: 0.007+/-0.000 χ^2/NDF : 239.6/2

+ sign 0.010+/-0.000 χ^2/NDF : 2580263.4/20

All: 0.010+/-0.000 χ^2/NDF : 5013903.8/42

- sign 0.010+/-0.000 χ^2/NDF : 2432411.6/21

yield_bpm0l04Y_mean vs Slug



Right In: -0.142+/-0.000 χ^2/NDF : 713960839307.6/16

Left Out: 0.944+/-0.000 χ^2/NDF : 49961889.7/3

Right Out: -0.128+/-0.000 χ^2/NDF : 760638736693.8/18

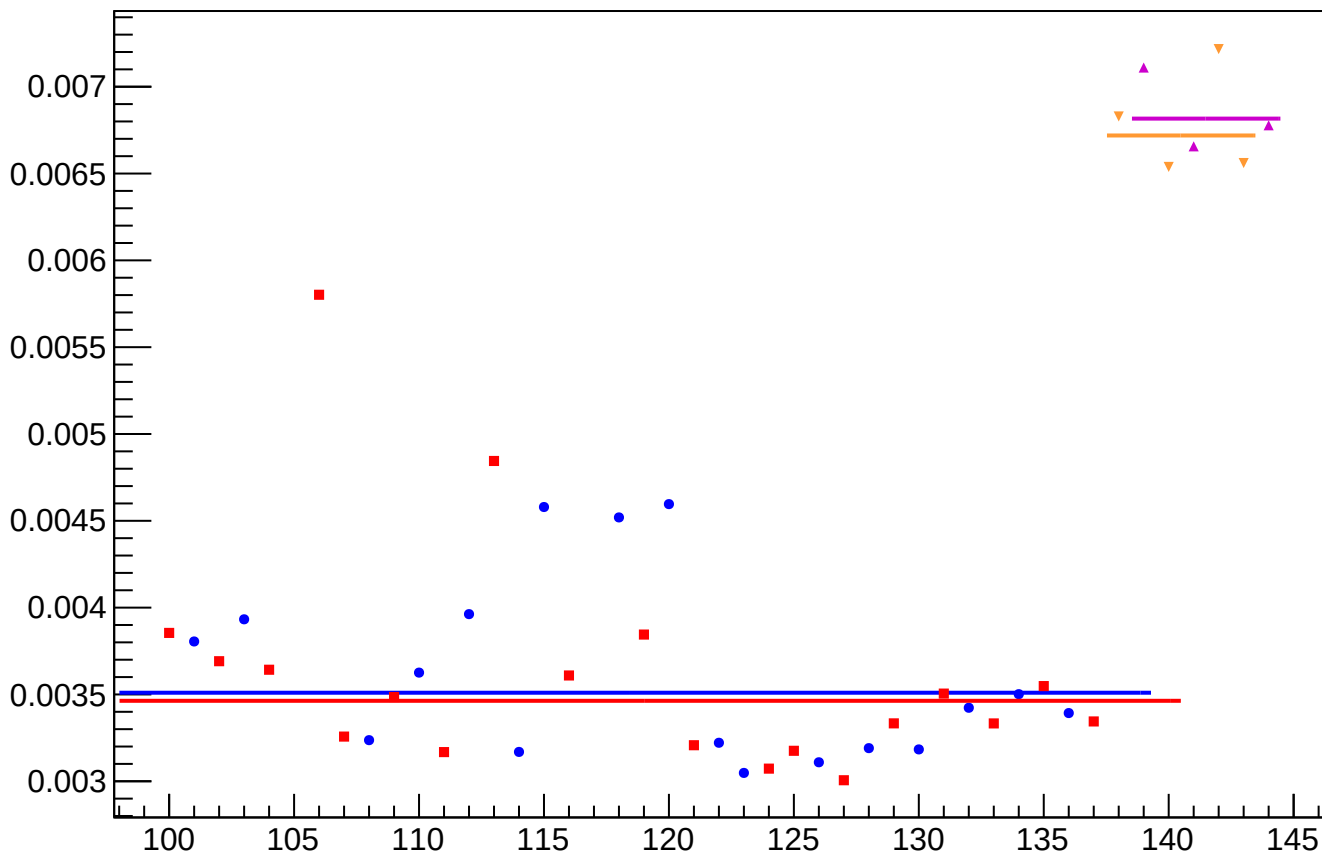
Left In: 0.929+/-0.000 χ^2/NDF : 44448150.1/2

+ sign -0.043+/-0.000 χ^2/NDF : 768561240424.2/20

All: -0.045+/-0.000 χ^2/NDF : 1577065384001

- sign -0.046+/-0.000 χ^2/NDF : 808501138332.1/21

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:5798.9/3

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 215500.5/18

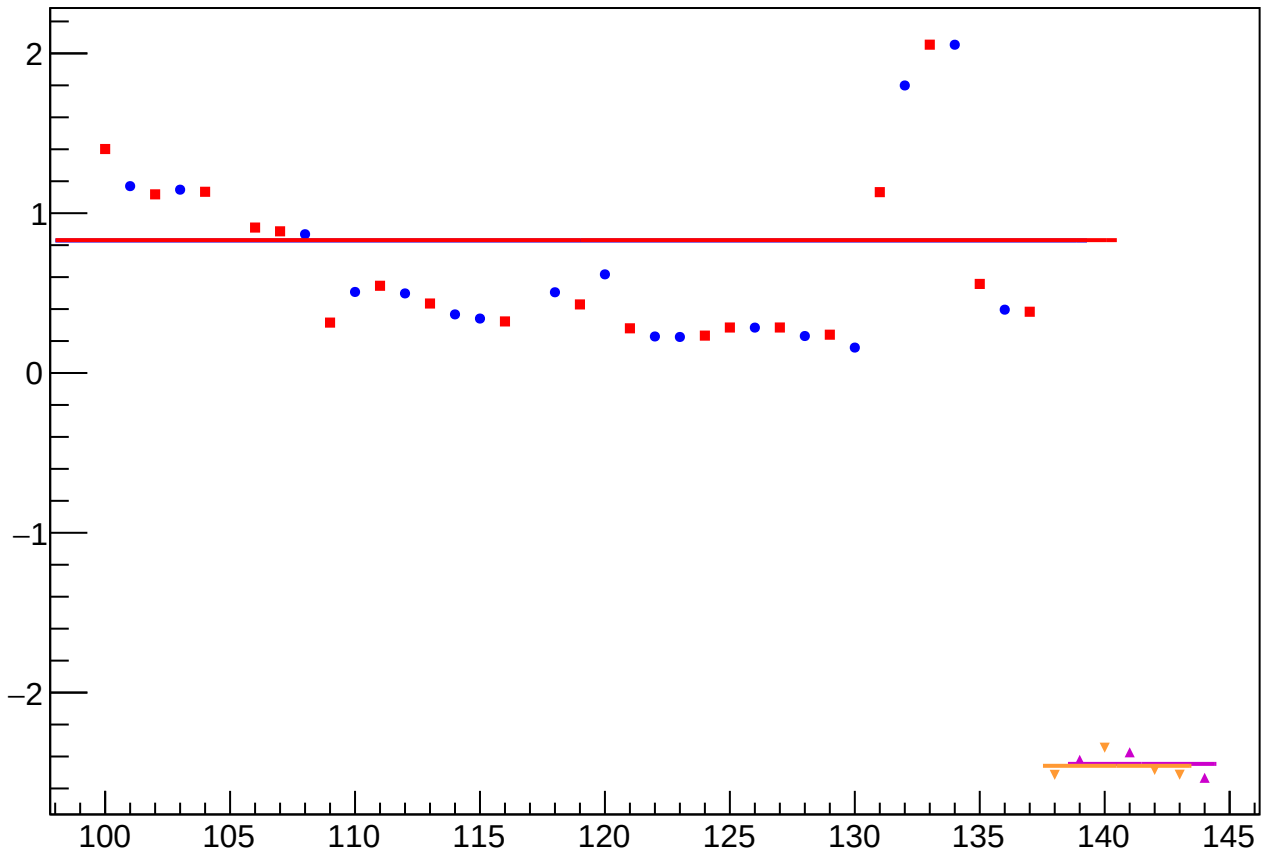
Left In: 0.007 $\pm$ 0.000 χ^2 /NDF:2992.6/2

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1130863.5/20

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 2316537.6/42

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 1181954.9/21

yield_bpm0l05X_mean vs Slug



Right In: 0.829+/-0.000 χ^2/NDF : 31663410264.3/16

Left Out: -2.458+/-0.000 χ^2/NDF : 319659534.9/3

+ sign -0.110+/-0.000 χ^2/NDF : 461308831312.4/20

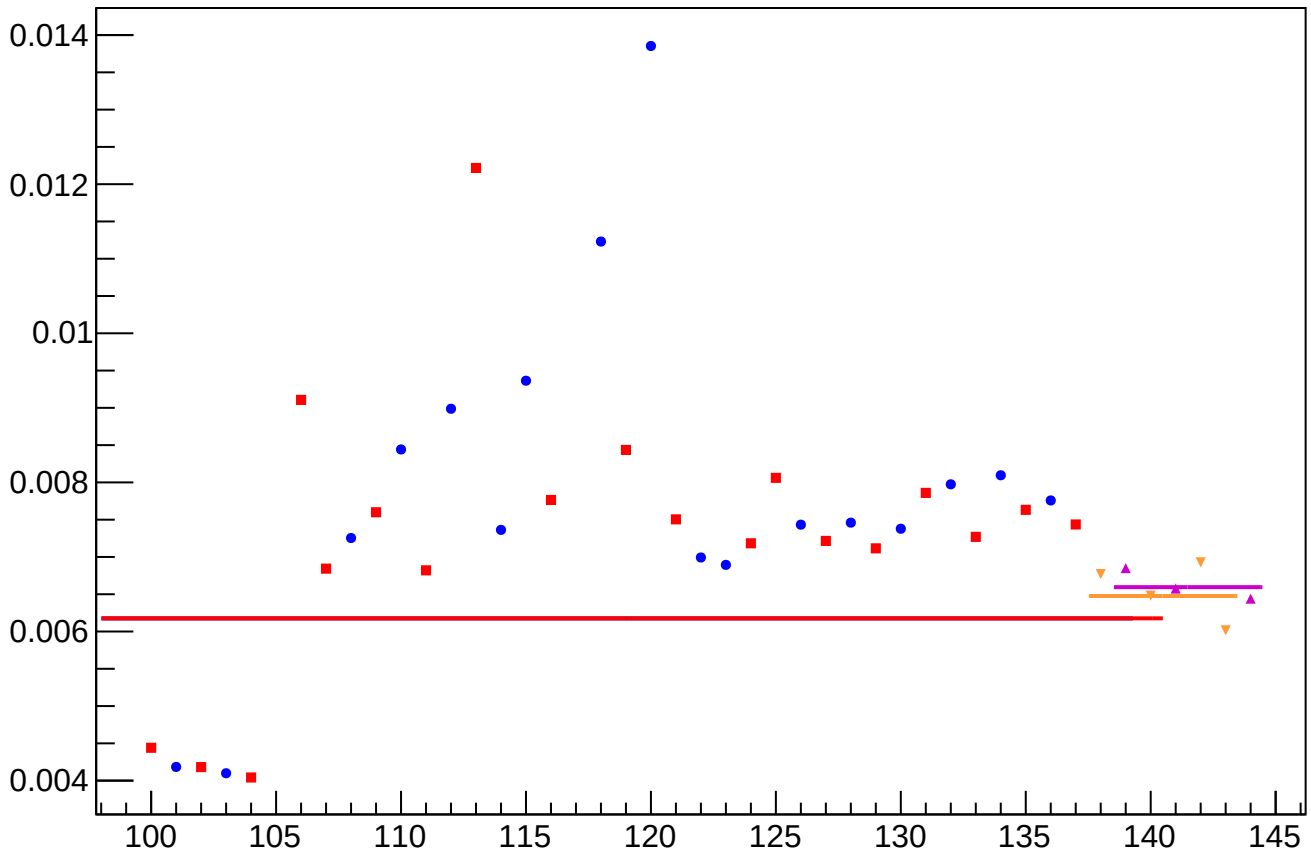
Right Out: 0.831+/-0.000 χ^2/NDF : 33383369168.0/18

All: -0.048+/-0.000 χ^2/NDF : 904296923605.2

Left In: -2.446+/-0.000 χ^2/NDF : 251327313.5/2

- sign 0.012+/-0.000 χ^2/NDF : 441497320306.1/21

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 :12826.6/3

Right Out: 0.006+/-0.000 χ^2/NDF : 1020690.2/18

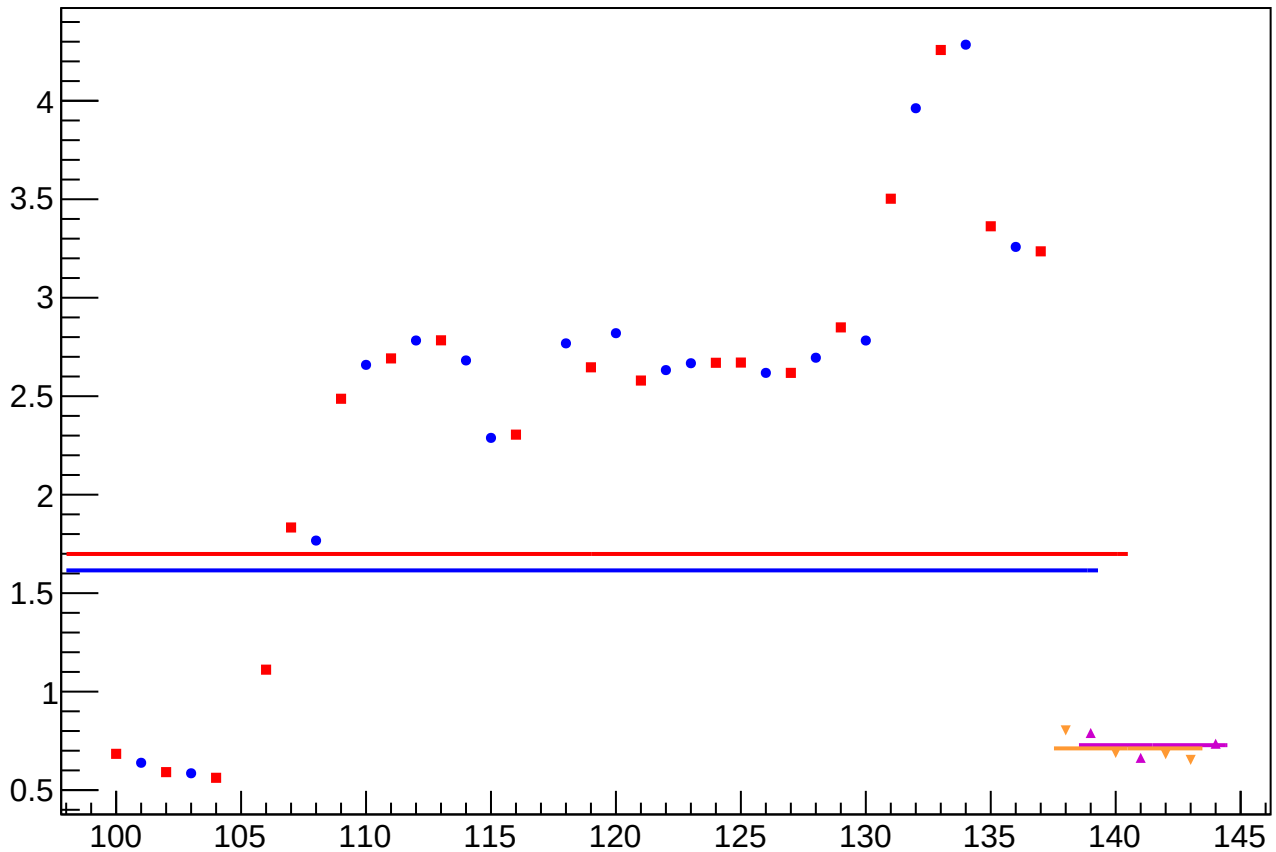
Left In: 0.007+/-0.000 χ^2/NDF :2616.7/2

+ sign 0.006+/-0.000 χ^2/NDF : 1241910.9/20

All: 0.006+/-0.000 χ^2/NDF : 2278565.4/42

- sign 0.006+/-0.000 χ^2/NDF : 1036575.3/21

yield_bpm0l05Y_mean vs Slug



Right In: 1.616+/-0.000 χ^2/NDF : 202687681737.9/16

Left Out: 0.712+/-0.000 χ^2/NDF : 216565128.7/3

Right Out: 1.699+/-0.000 χ^2/NDF : 227853059871.9/18

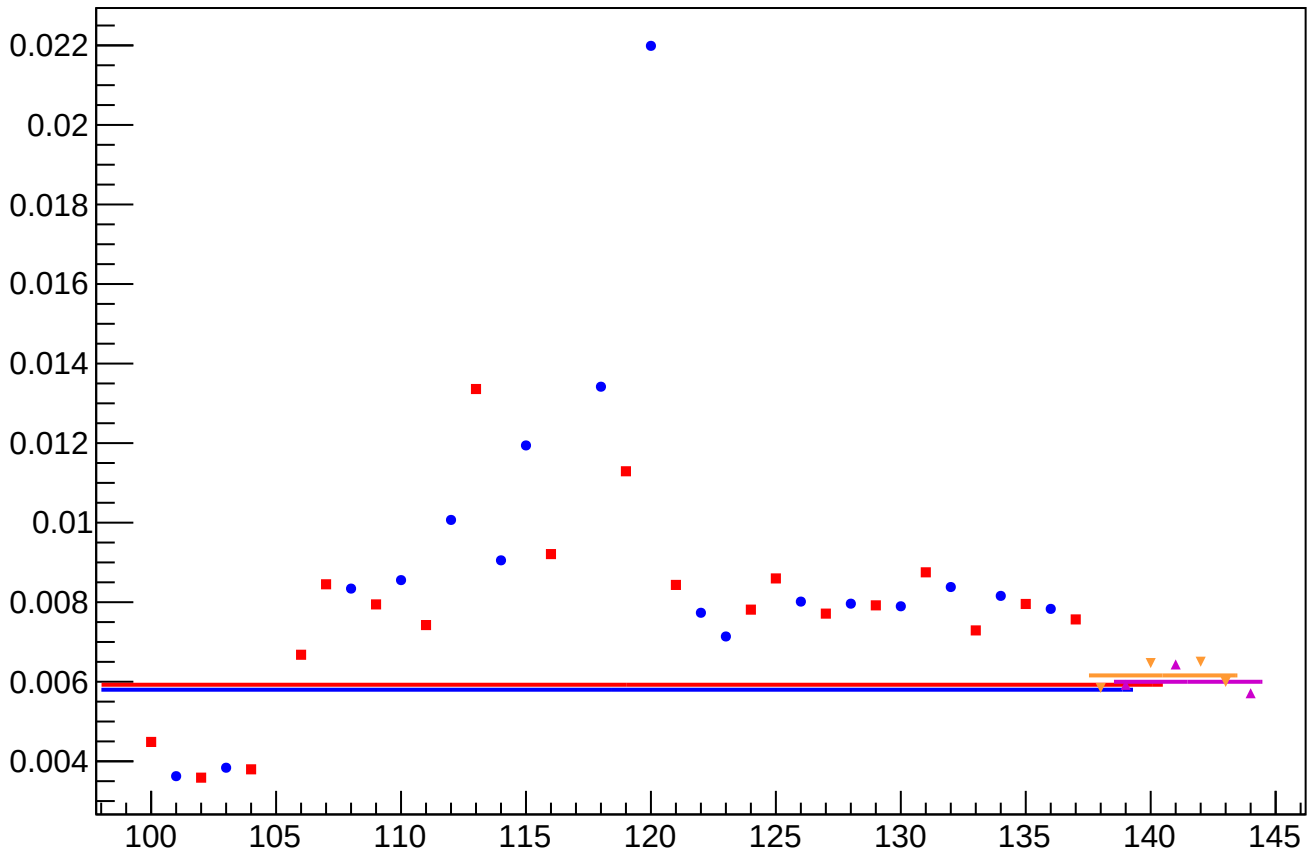
Left In: 0.728+/-0.000 χ^2/NDF : 139275586.4/2

+ sign 1.353+/-0.000 χ^2/NDF : 236893208431.0/20

All: 1.393+/-0.000 χ^2/NDF : 505099673297.3

- sign 1.431+/-0.000 χ^2/NDF : 267569556199.6/21

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 : 9594.8/3

Right Out: 0.006+/-0.000 χ^2/NDF : 1677224.2/18

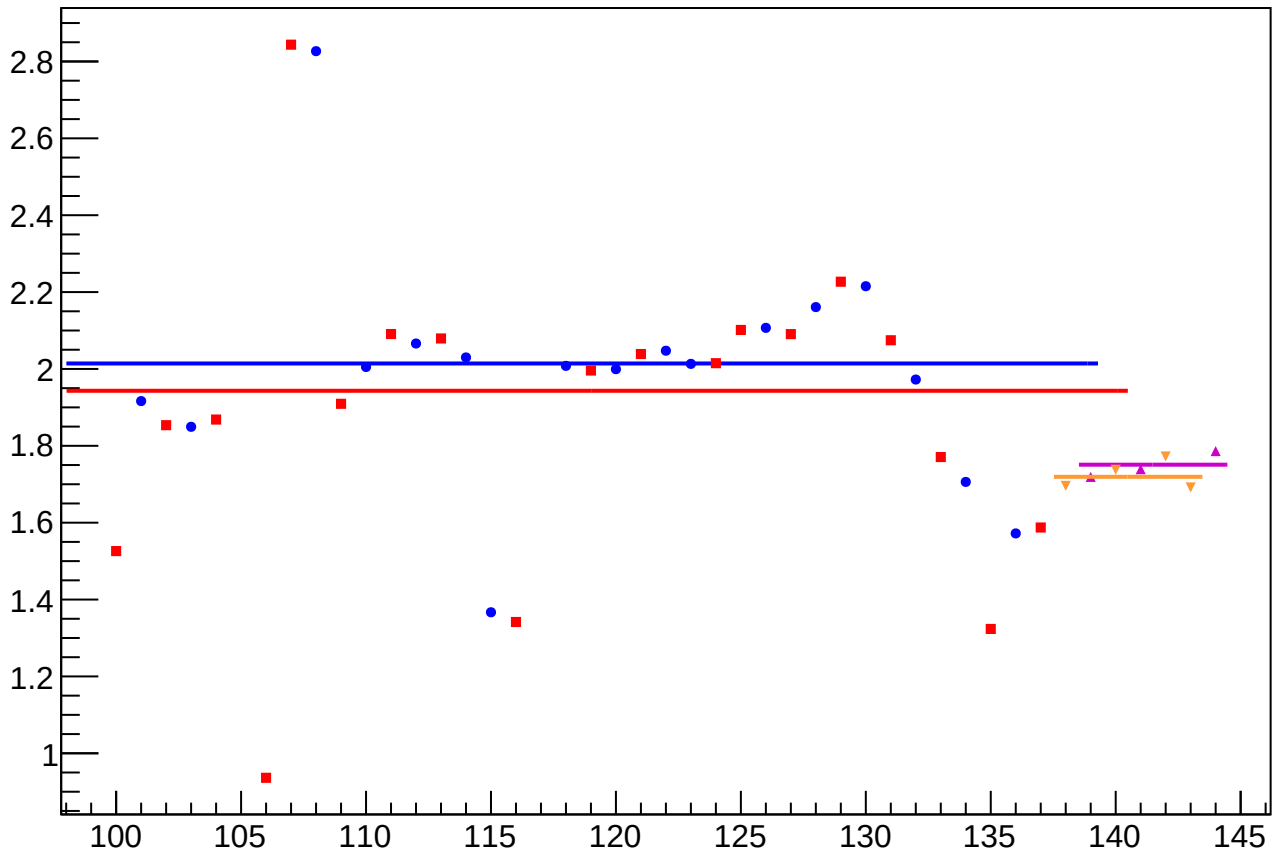
Left In: 0.006+/-0.000 χ^2/NDF : 11037.9/2

+ sign 0.006+/-0.000 χ^2/NDF : 1931753.9/20

All: 0.006+/-0.000 χ^2/NDF : 3620830.7/42

- sign 0.006+/-0.000 χ^2/NDF : 1688727.9/21

yield_bpm0l06X_mean vs Slug



Right In: 2.014+/-0.000 χ^2/NDF : 12207088036.2/16

Left Out: 1.719+/-0.000 χ^2/NDF : 32170528.2/3

Right Out: 1.943+/-0.000 χ^2/NDF : 21416554404.5/18

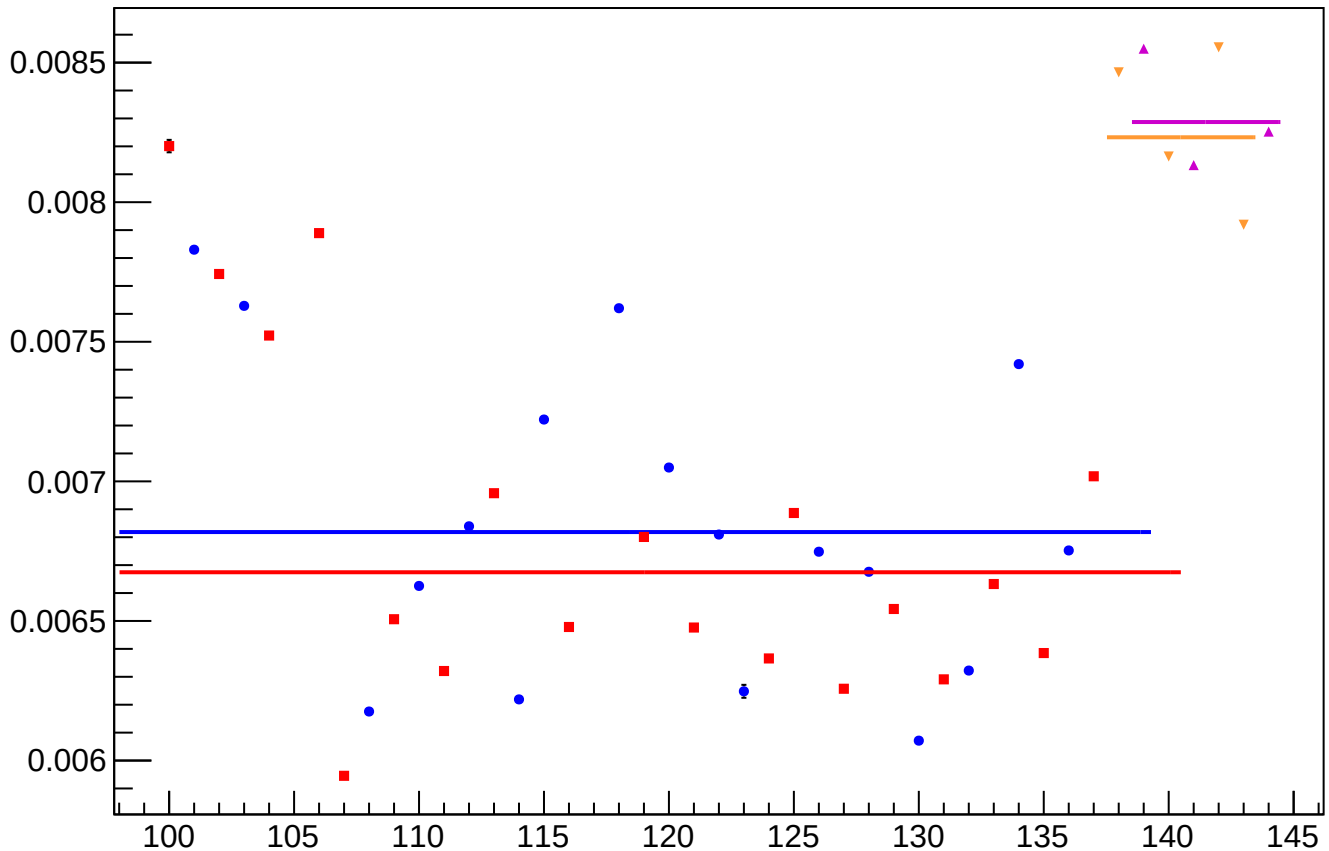
Left In: 1.751+/-0.000 χ^2/NDF : 25726453.0/2

+ sign 1.952+/-0.000 χ^2/NDF : 14726622574.7/20

All: 1.930+/-0.000 χ^2/NDF : 37348259351.8/4

- sign 1.909+/-0.000 χ^2/NDF : 22451109547.8/21

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 76886.5/16

Left Out: 0.008+/-0.000 χ^2/NDF :4245.2/3

Right Out: 0.007+/-0.000 χ^2/NDF : 76755.5/18

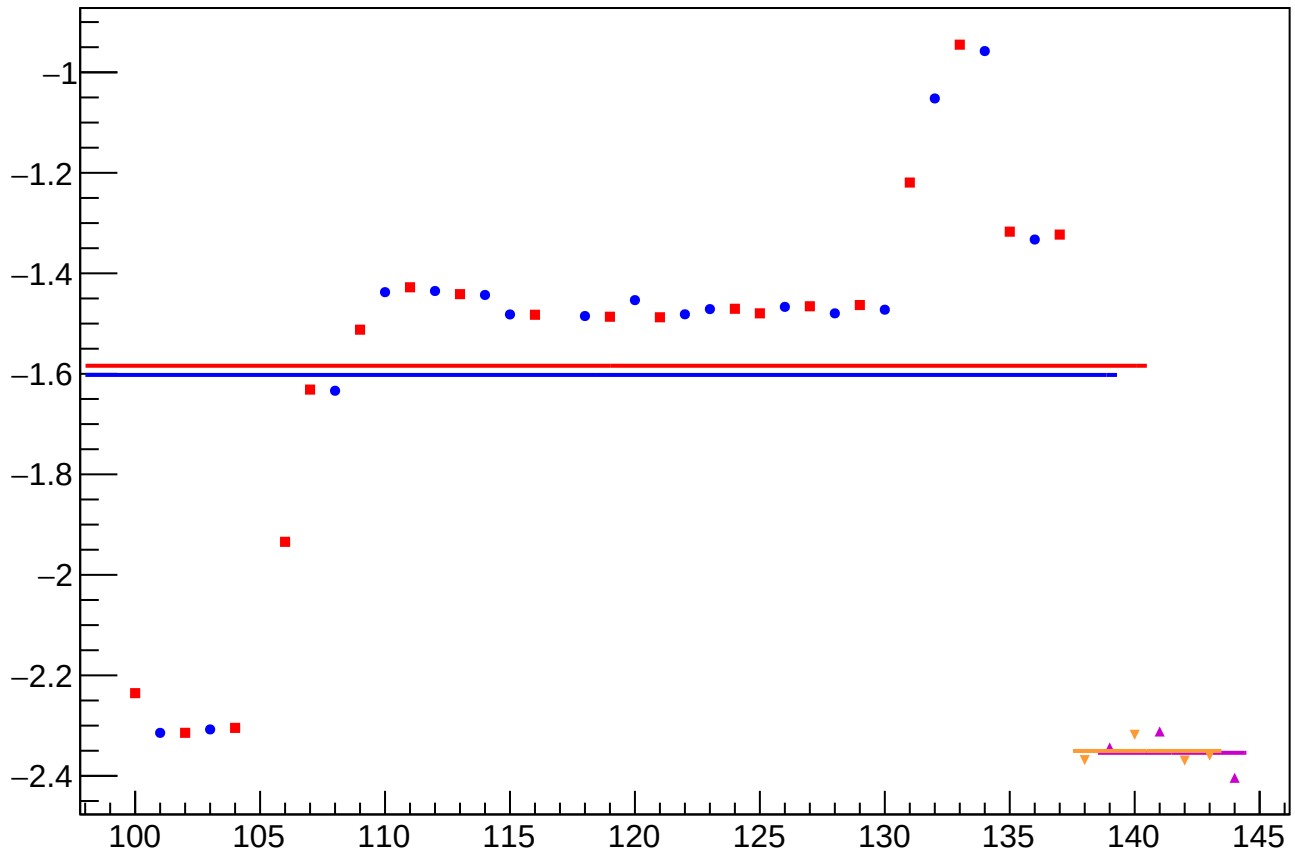
Left In: 0.008+/-0.000 χ^2/NDF :1838.4/2

+ sign 0.007+/-0.000 χ^2/NDF : 195504.2/20

All: 0.007+/-0.000 χ^2/NDF : 420026.0/42

- sign 0.007+/-0.000 χ^2/NDF : 220451.6/21

yield_bpm0l06Y_mean vs Slug



Right In: -1.602+/-0.000 χ^2/NDF : 140170767010.0/16

Left Out: -2.350+/-0.000 χ^2/NDF : 148634884.7/3

+ sign -1.791+/-0.000 χ^2/NDF : 267054831650.1/20

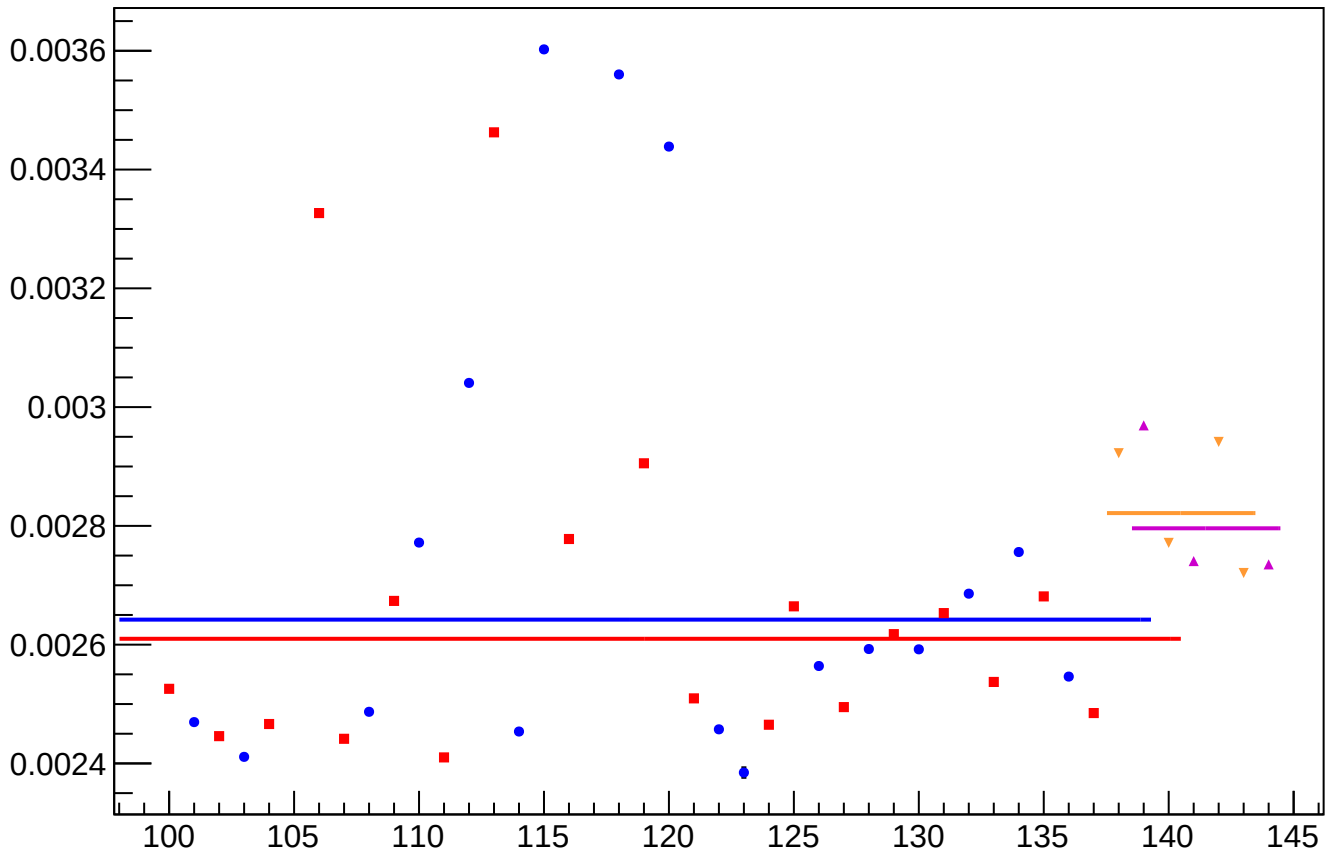
Right Out: -1.584+/-0.000 χ^2/NDF : 143827090276.5/18

All: -1.774+/-0.000 χ^2/NDF : 543613719729.1

Left In: -2.354+/-0.000 χ^2/NDF : 467847772.8/2

- sign -1.759+/-0.000 χ^2/NDF : 275913638606.7/21

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 : 5088.2/3

Right Out: 0.003+/-0.000 χ^2/NDF : 104781.3/18

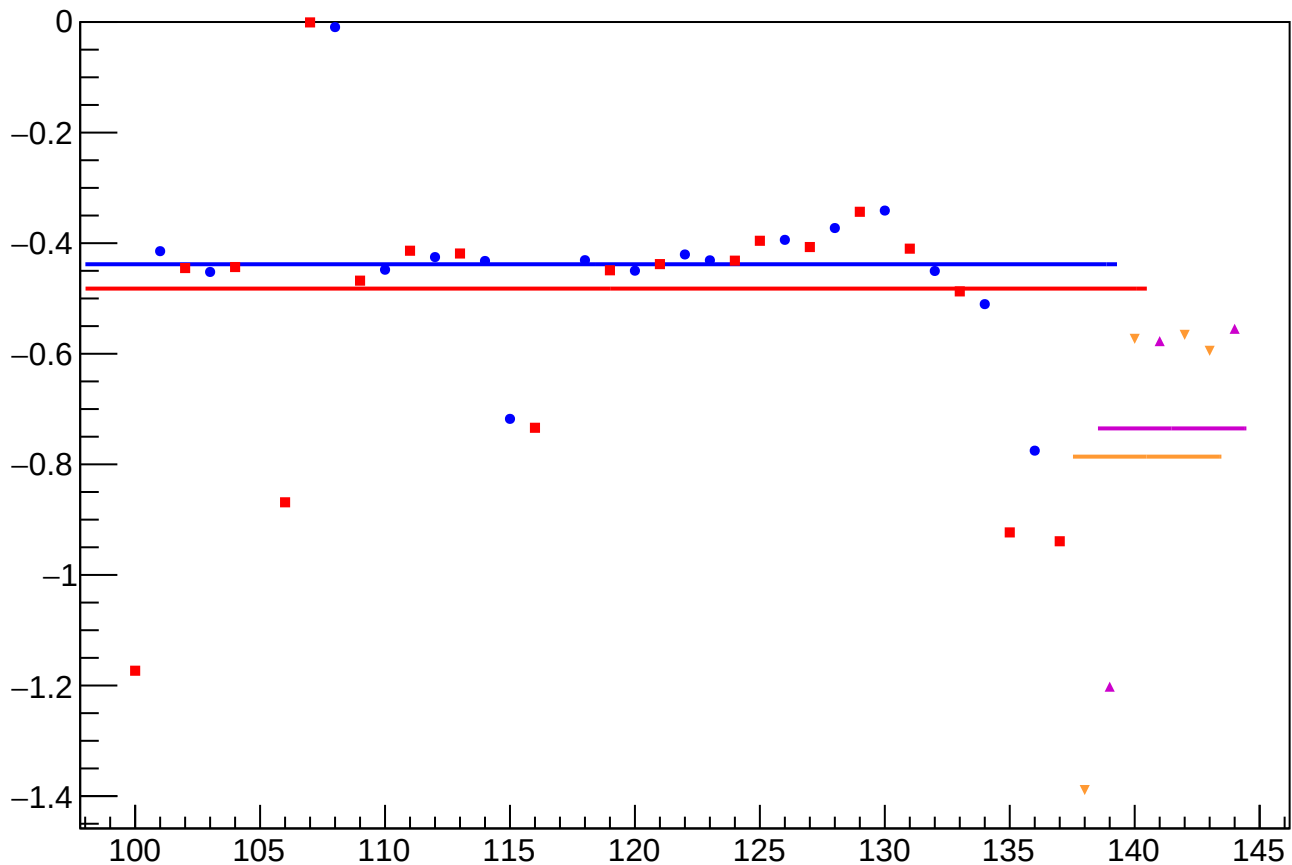
Left In: 0.003+/-0.000 χ^2/NDF : 5769.6/2

+ sign 0.003+/-0.000 χ^2/NDF : 171576.8/20

All: 0.003+/-0.000 χ^2/NDF : 299022.6/42

- sign 0.003+/-0.000 χ^2/NDF : 125908.4/21

yield_bpm0l07X_mean vs Slug



Right In: -0.438 ± 0.000 $\chi^2/\text{NDF}: 1461198978.4/16$

Left Out: -0.786 ± 0.000 $\chi^2/\text{NDF}: 1594915261.6/3$

Right Out: -0.482 ± 0.000 $\chi^2/\text{NDF}: 2693383941.7/18$

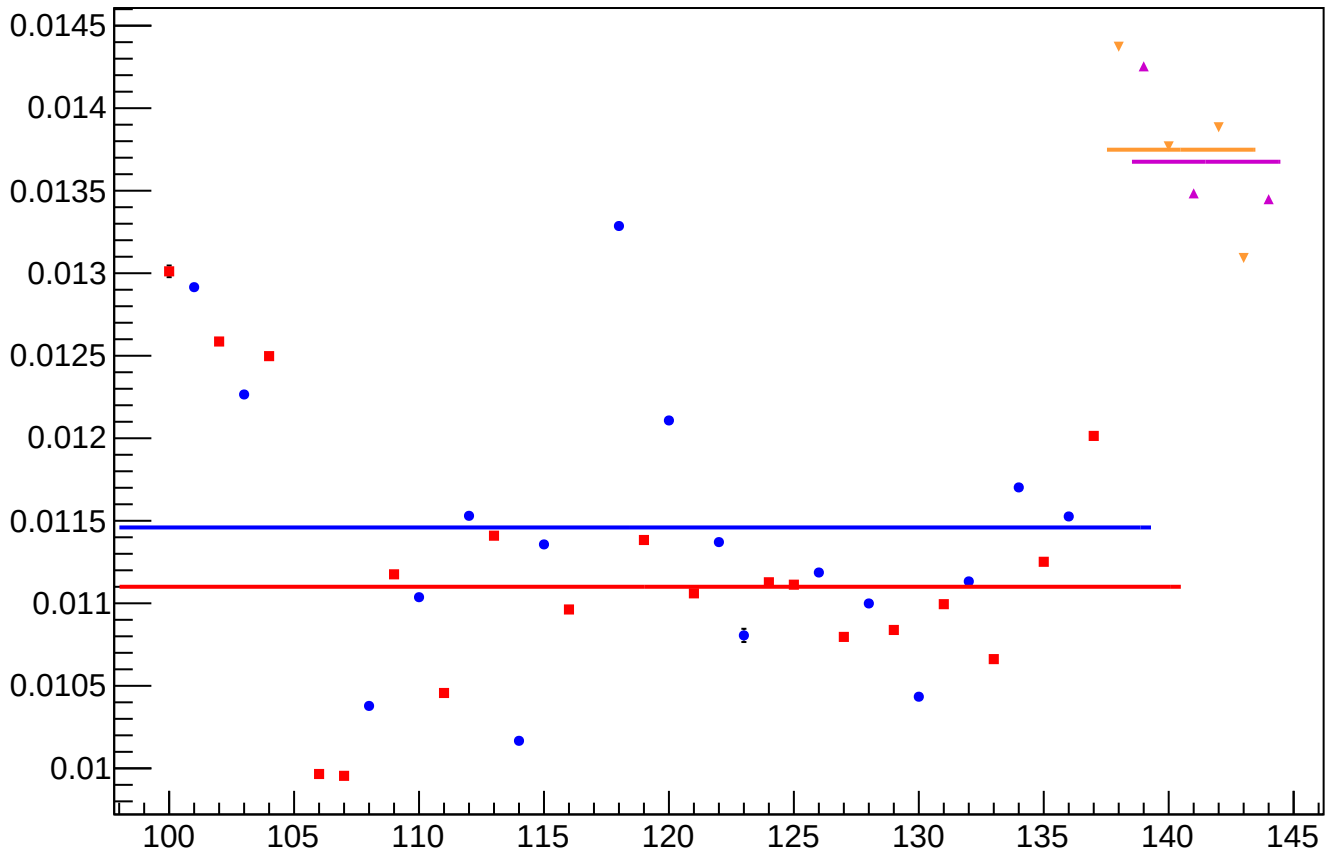
Left In: -0.735 ± 0.000 $\chi^2/\text{NDF}: 955848829.7/2$

+ sign -0.510 ± 0.000 $\chi^2/\text{NDF}: 4285903268.3/20$

All: -0.519 ± 0.000 $\chi^2/\text{NDF}: 8580269084.1/4$

- sign -0.527 ± 0.000 $\chi^2/\text{NDF}: 4285124347.8/21$

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 : 5768.4/3

Right Out: 0.011+/-0.000 χ^2/NDF : 56096.3/18

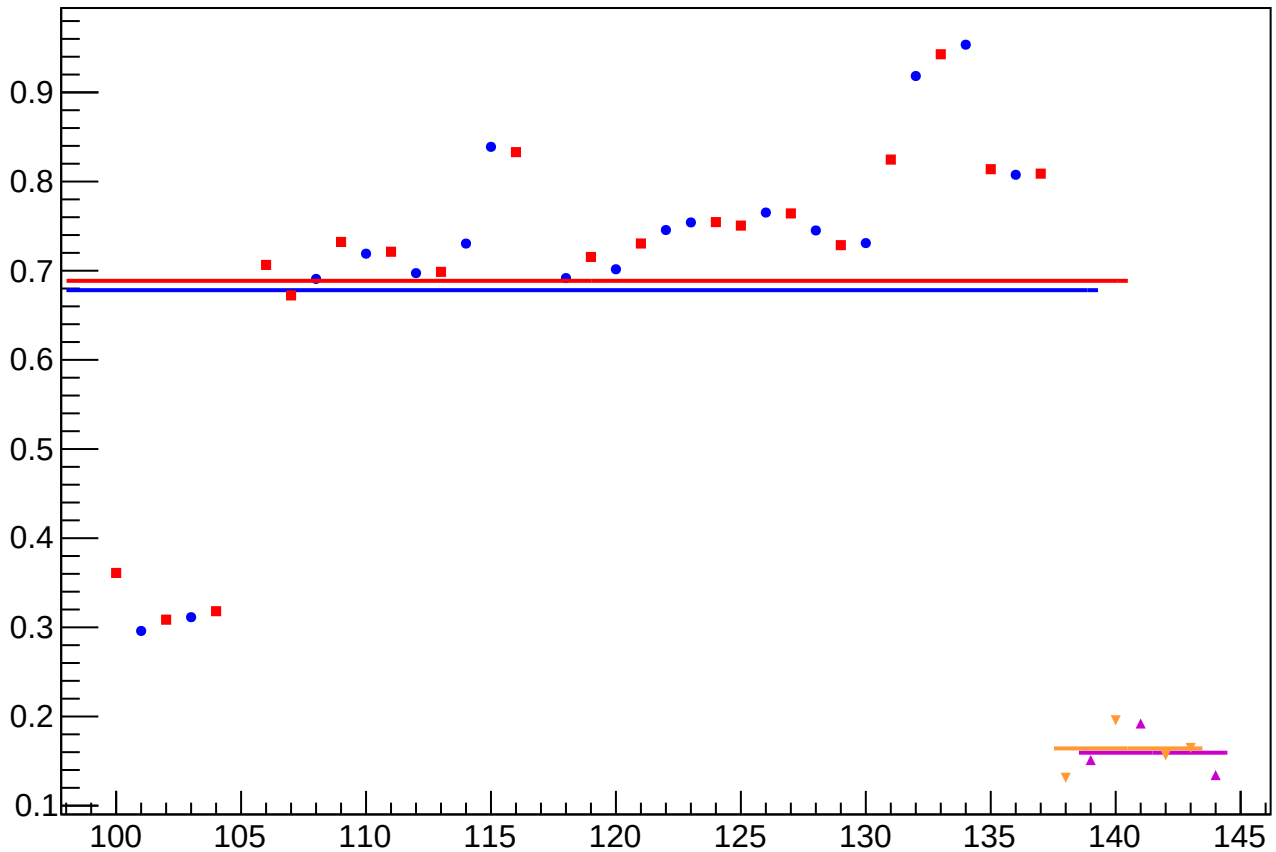
Left In: 0.014+/-0.000 χ^2/NDF : 2930.9/2

+ sign 0.012+/-0.000 χ^2/NDF : 176792.4/20

All: 0.012+/-0.000 χ^2/NDF : 376916.1/42

- sign 0.012+/-0.000 χ^2/NDF : 190923.1/21

yield_bpm0l07Y_mean vs Slug



Right In: 0.678 $\pm$ 0.000 χ^2/NDF : 38485337866.0/16

Left Out: 0.164 $\pm$ 0.000 χ^2/NDF : 374048873.6/3

Right Out: 0.689 $\pm$ 0.000 χ^2/NDF : 35296354242.4/18

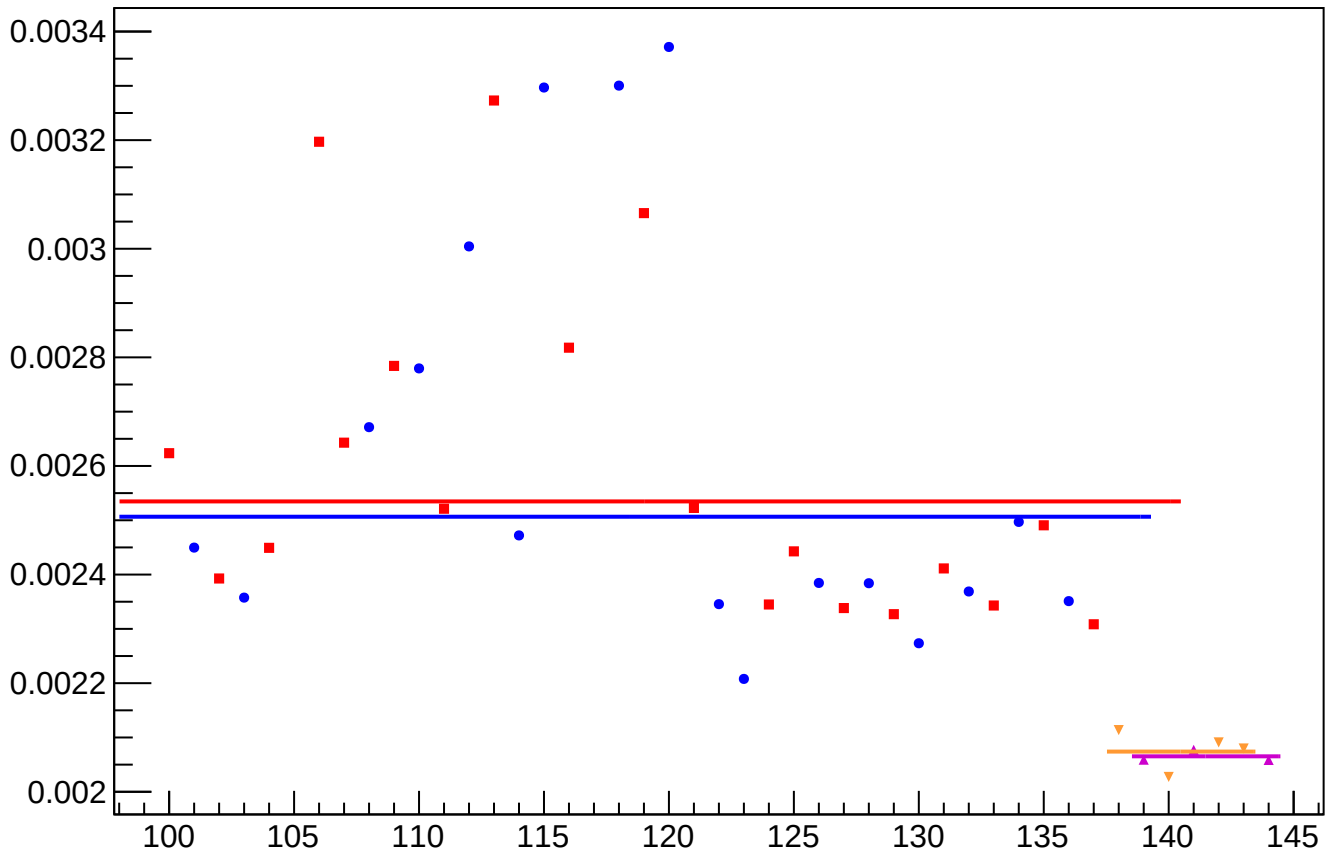
Left In: 0.159 $\pm$ 0.000 χ^2/NDF : 345097983.1/2

+ sign 0.486 $\pm$ 0.000 χ^2/NDF : 138848321947.4/20

All: 0.495 $\pm$ 0.000 χ^2/NDF : 276042030186.8

- sign 0.505 $\pm$ 0.000 χ^2/NDF : 136903208839.5/21

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 : 1414.4/3

Right Out: 0.003+/-0.000 χ^2/NDF : 131675.7/18

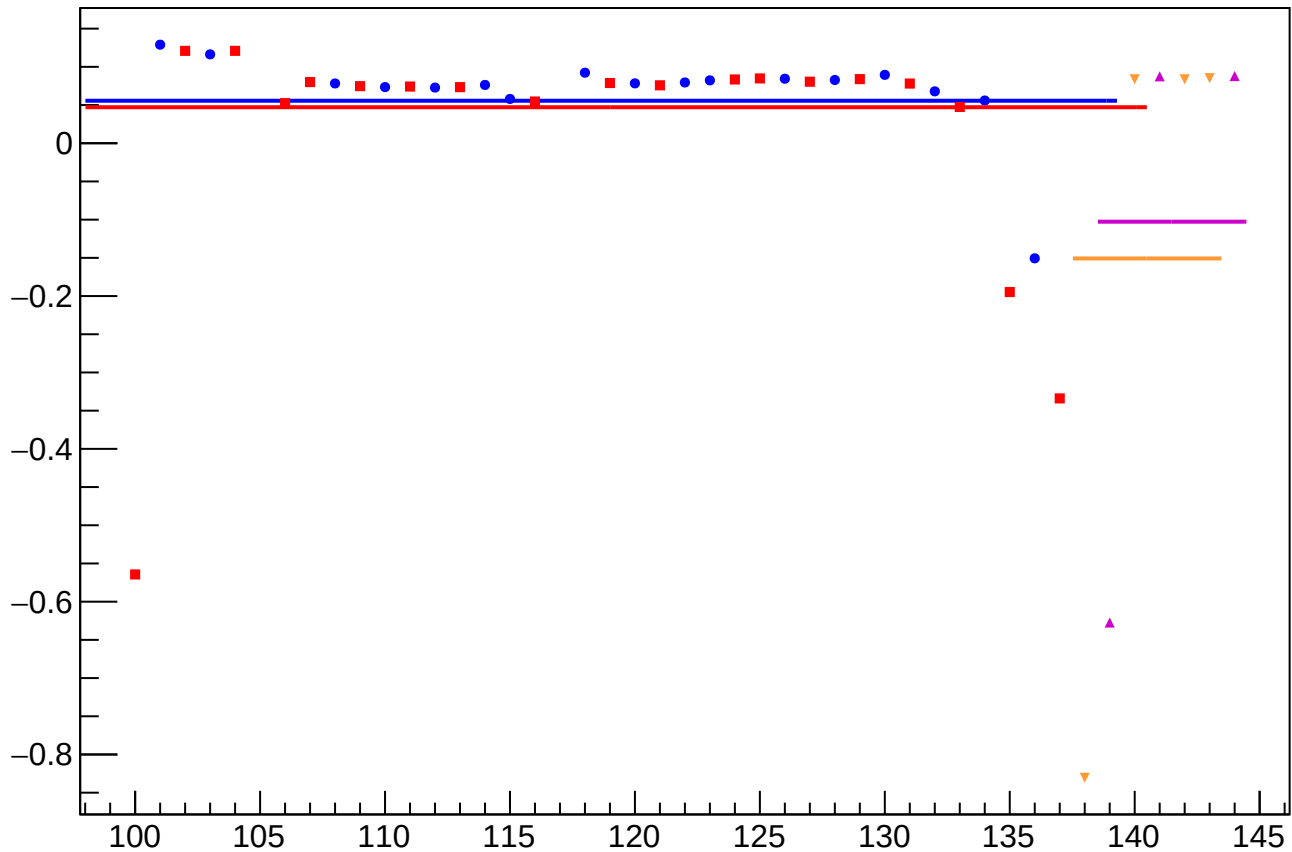
Left In: 0.002+/-0.000 χ^2/NDF : 86.1/2

+ sign 0.002+/-0.000 χ^2/NDF : 317426.8/20

All: 0.002+/-0.000 χ^2/NDF : 609670.6/42

- sign 0.002+/-0.000 χ^2/NDF : 291073.6/21

yield_bpm0l08X_mean vs Slug



Right In: 0.056+/-0.000 χ^2/NDF : 422754930.4/16

Left Out: -0.151+/-0.000 χ^2/NDF : 2515718830.5/3

Right Out: 0.047+/-0.000 χ^2/NDF : 819330612.8/18

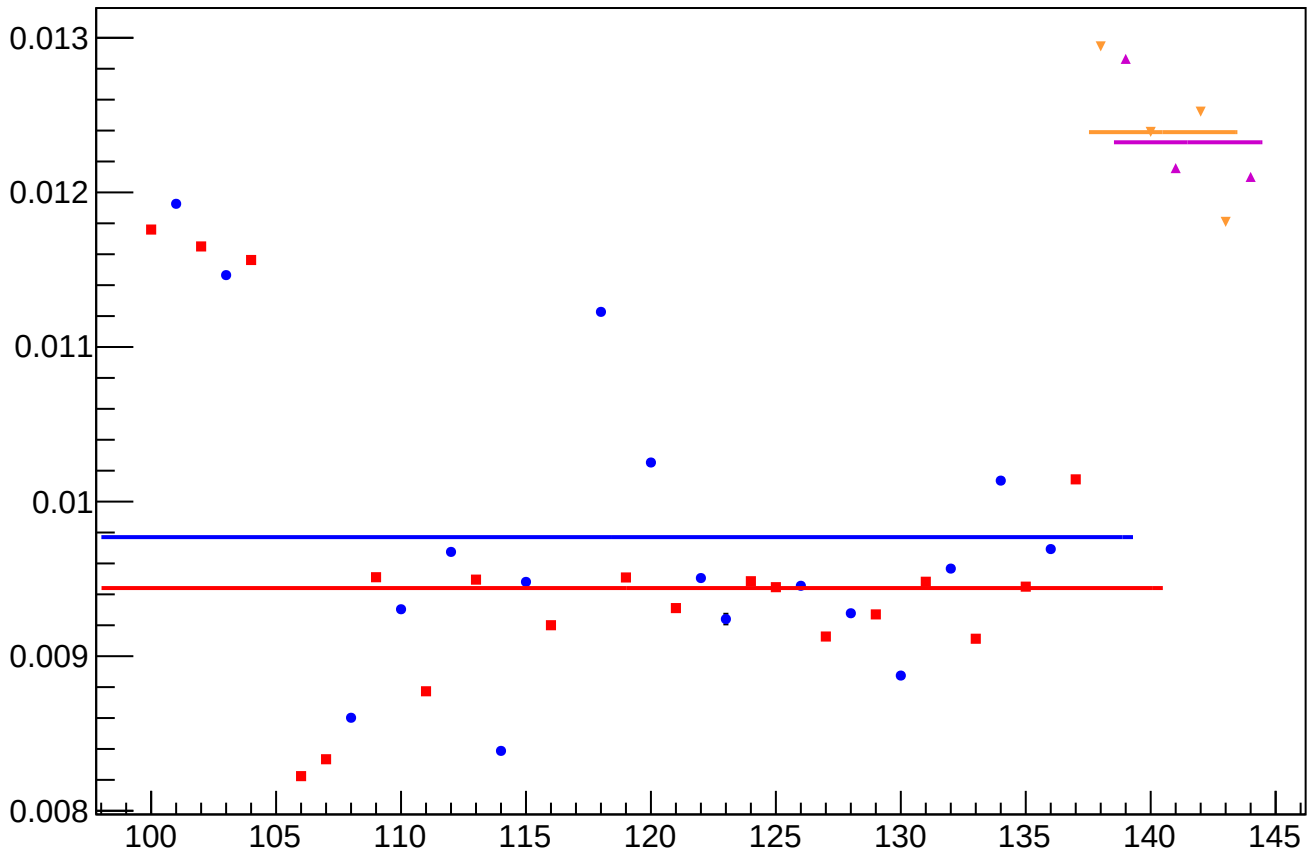
Left In: -0.103+/-0.000 χ^2/NDF : 1486701366.3/2

+ sign 0.016+/-0.000 χ^2/NDF : 3481958926.1/20

All: 0.020+/-0.000 χ^2/NDF : 6069871962.6/42

- sign 0.023+/-0.000 χ^2/NDF : 2586068743.1/21

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:5587.3/3

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 110651.6/18

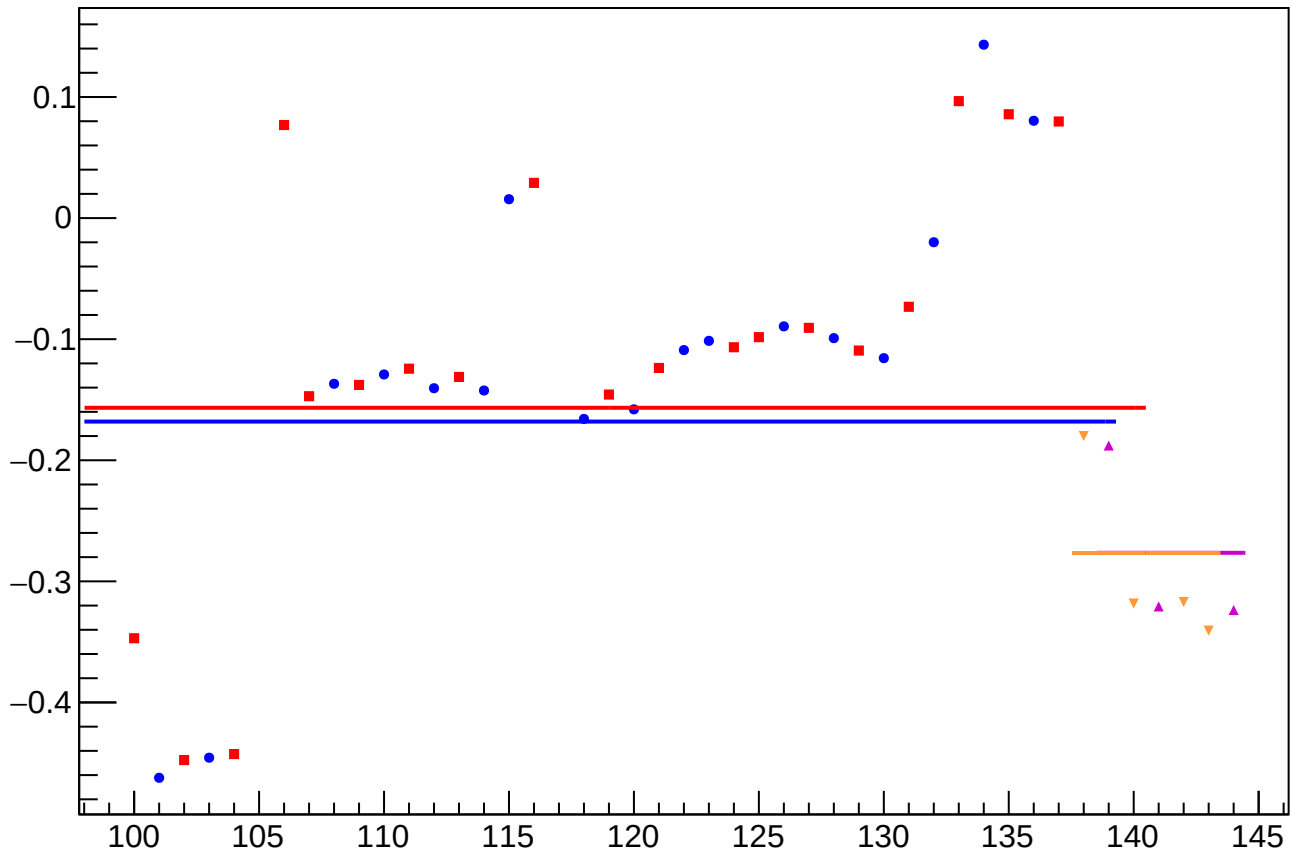
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3163.5/2

+ sign 0.010 $\pm$ 0.000 χ^2 /NDF: 296661.4/20

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 629281.8/42

- sign 0.010 $\pm$ 0.000 χ^2 /NDF: 321270.1/21

yield_bpm0l08Y_mean vs Slug



Right In: -0.168+/-0.000 χ^2 /NDF: 12330177160.8/16

Left Out: -0.277+/-0.000 χ^2 /NDF:1333416213.7/3

Right Out: -0.157+/-0.000 χ^2 /NDF: 11031837915.5/18

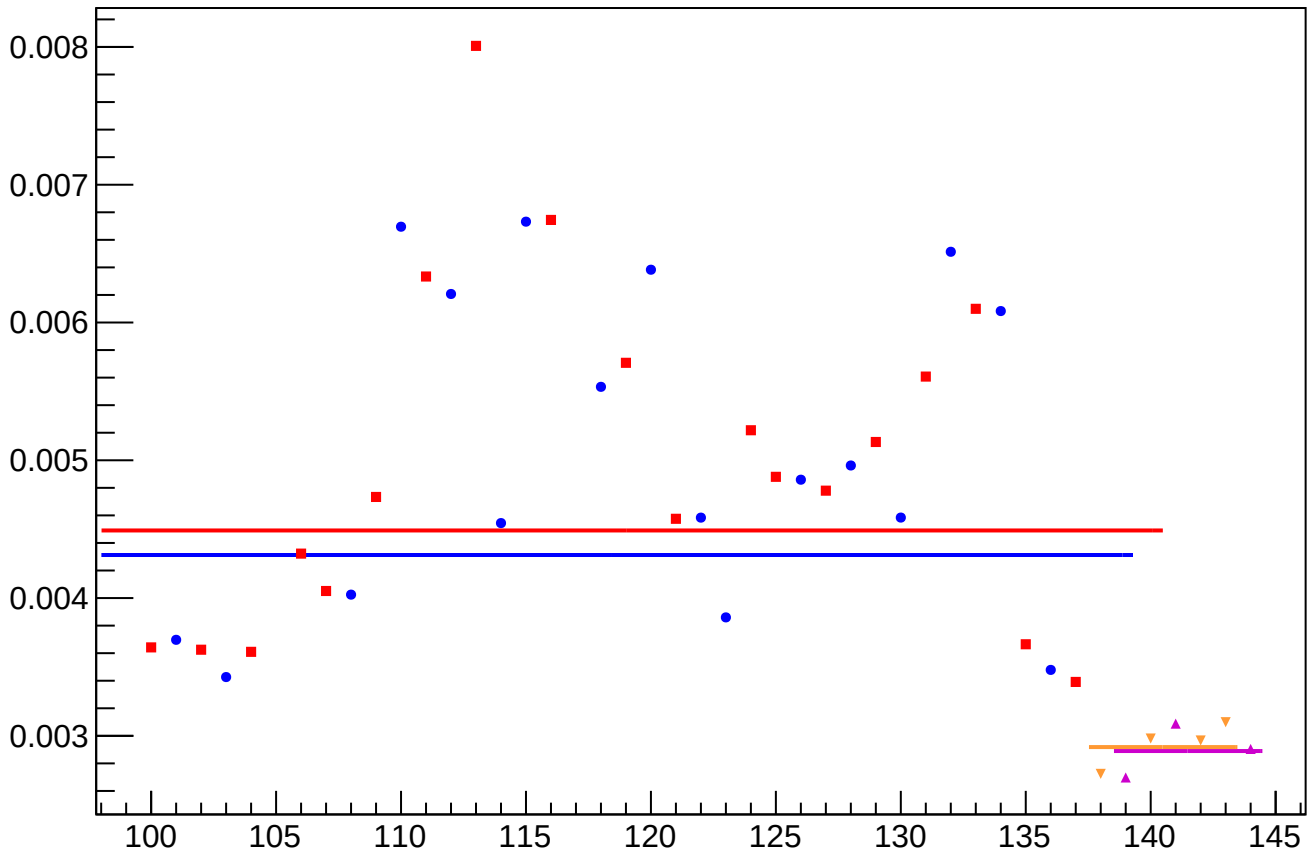
Left In: -0.276+/-0.000 χ^2 /NDF:1084178167.7/2

+ sign -0.219+/-0.000 χ^2 /NDF: 15391185766.0/20

All: -0.216+/-0.000 χ^2 /NDF: 29570552285.5

- sign -0.212+/-0.000 χ^2 /NDF: 14165276738.6/21

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 :11901.1/3

Right Out: 0.004+/-0.000 χ^2/NDF : 639258.5/18

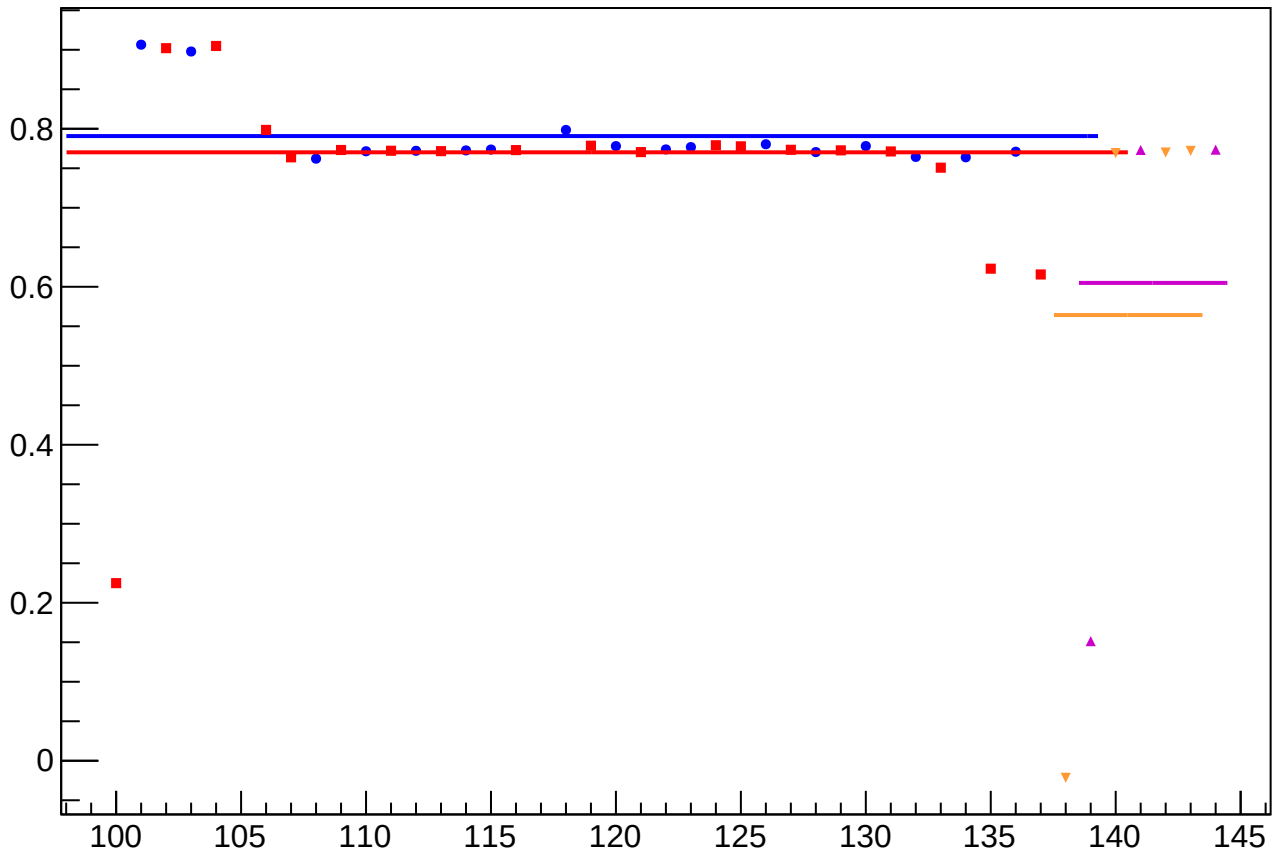
Left In: 0.003+/-0.000 χ^2/NDF :13109.1/2

+ sign 0.004+/-0.000 χ^2/NDF : 1200077.1/20

All: 0.004+/-0.000 χ^2/NDF : 2589601.6/42

- sign 0.004+/-0.000 χ^2/NDF : 1384592.4/21

yield_bpm0l09X_mean vs Slug



Right In: 0.791 $\pm$ 0.000 χ^2 /NDF: 106680493.2/16

Left Out: 0.564 $\pm$ 0.000 χ^2 /NDF: 2046968151.0/3

Right Out: 0.770 $\pm$ 0.000 χ^2 /NDF: 375430167.7/18

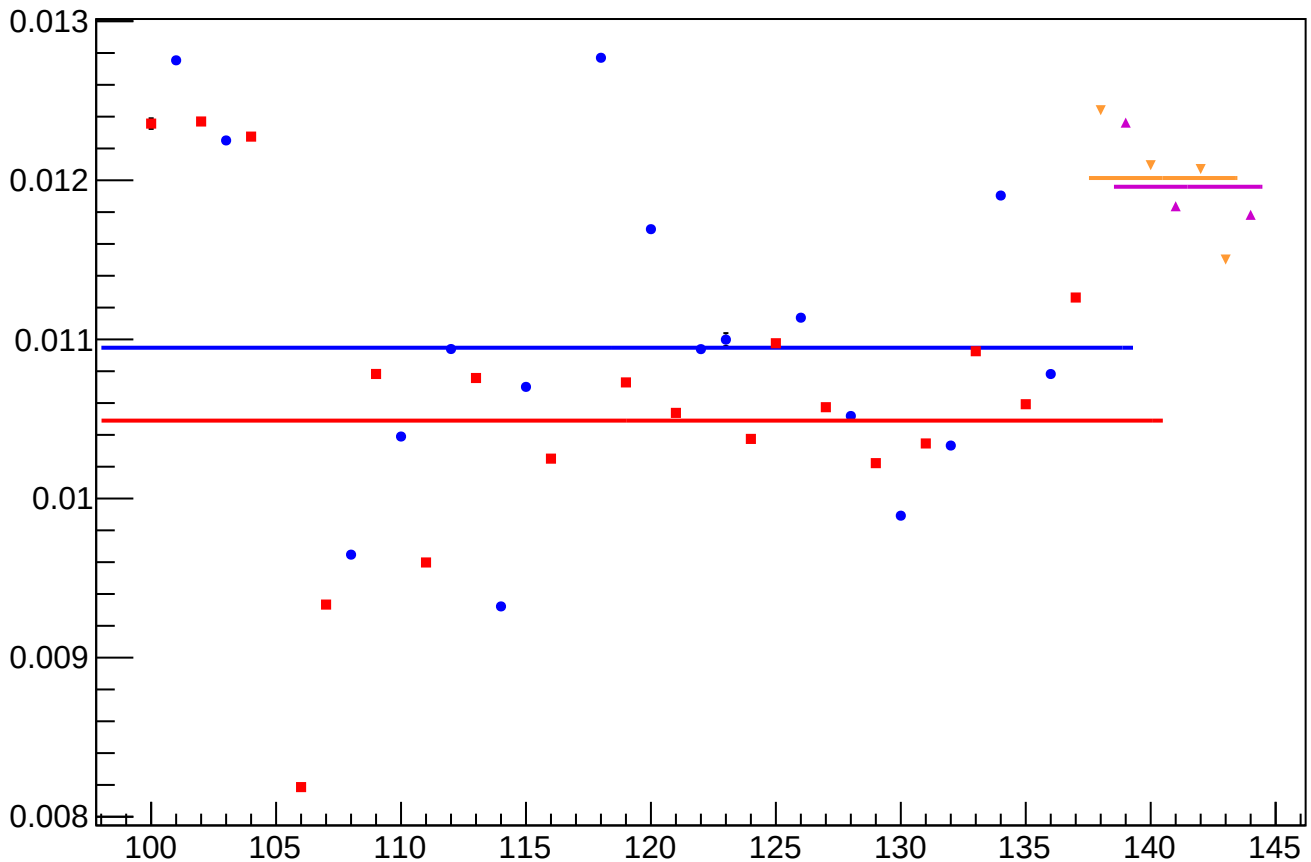
Left In: 0.605 $\pm$ 0.000 χ^2 /NDF: 1216737358.8/2

+ sign 0.736 $\pm$ 0.000 χ^2 /NDF: 2814360227.9/20

All: 0.736 $\pm$ 0.000 χ^2 /NDF: 4753306164.7/42

- sign 0.737 $\pm$ 0.000 χ^2 /NDF: 1938942541.9/21

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:4182.9/3

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 119502.0/18

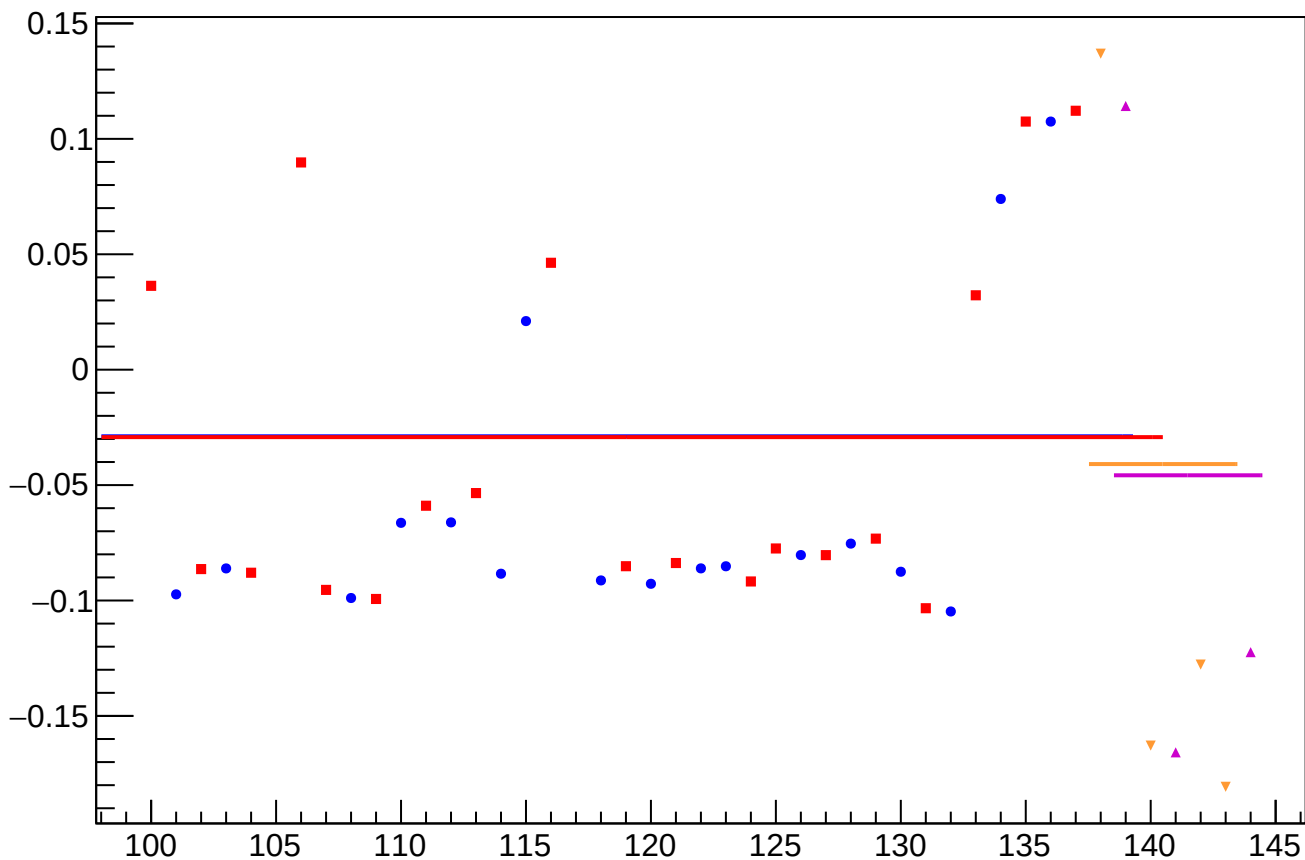
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:1939.3/2

+ sign 0.011 $\pm$ 0.000 χ^2 /NDF: 131489.8/20

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 320601.5/42

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 176268.6/21

yield_bpm0l09Y_mean vs Slug



Right In: -0.029+/-0.000 χ^2/NDF : 2444911330.9/16

Left Out: -0.041+/-0.000 χ^2/NDF : 4348181793.0/3

Right Out: -0.029+/-0.000 χ^2/NDF : 2120368017.0/18

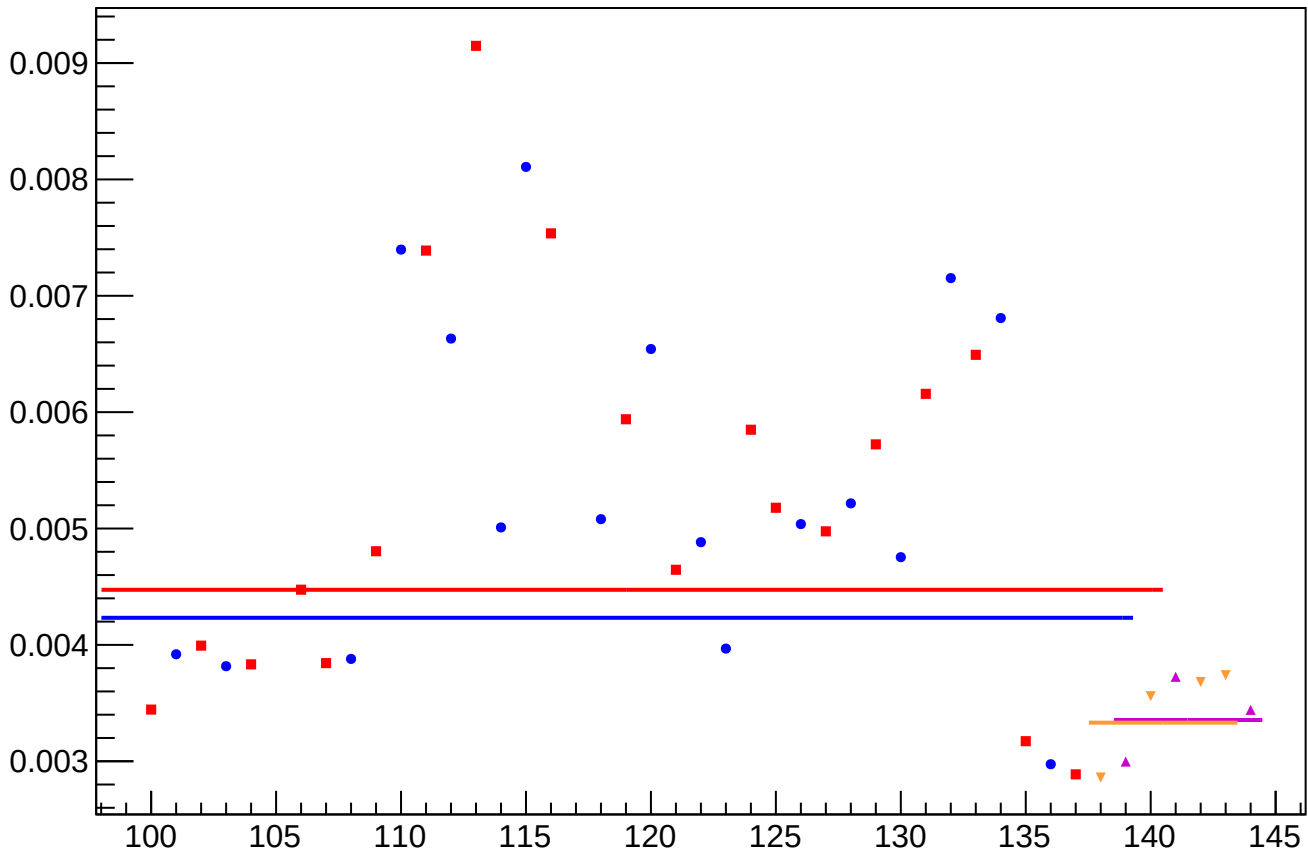
Left In: -0.046+/-0.000 χ^2/NDF : 2982265407.5/2

+ sign -0.034+/-0.000 χ^2/NDF : 6810642326.9/20

All: -0.035+/-0.000 χ^2/NDF : 11945823965.9

- sign -0.036+/-0.000 χ^2/NDF : 5134110089.6/21

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 : 61995.0/3

Right Out: 0.004+/-0.000 χ^2/NDF : 969342.1/18

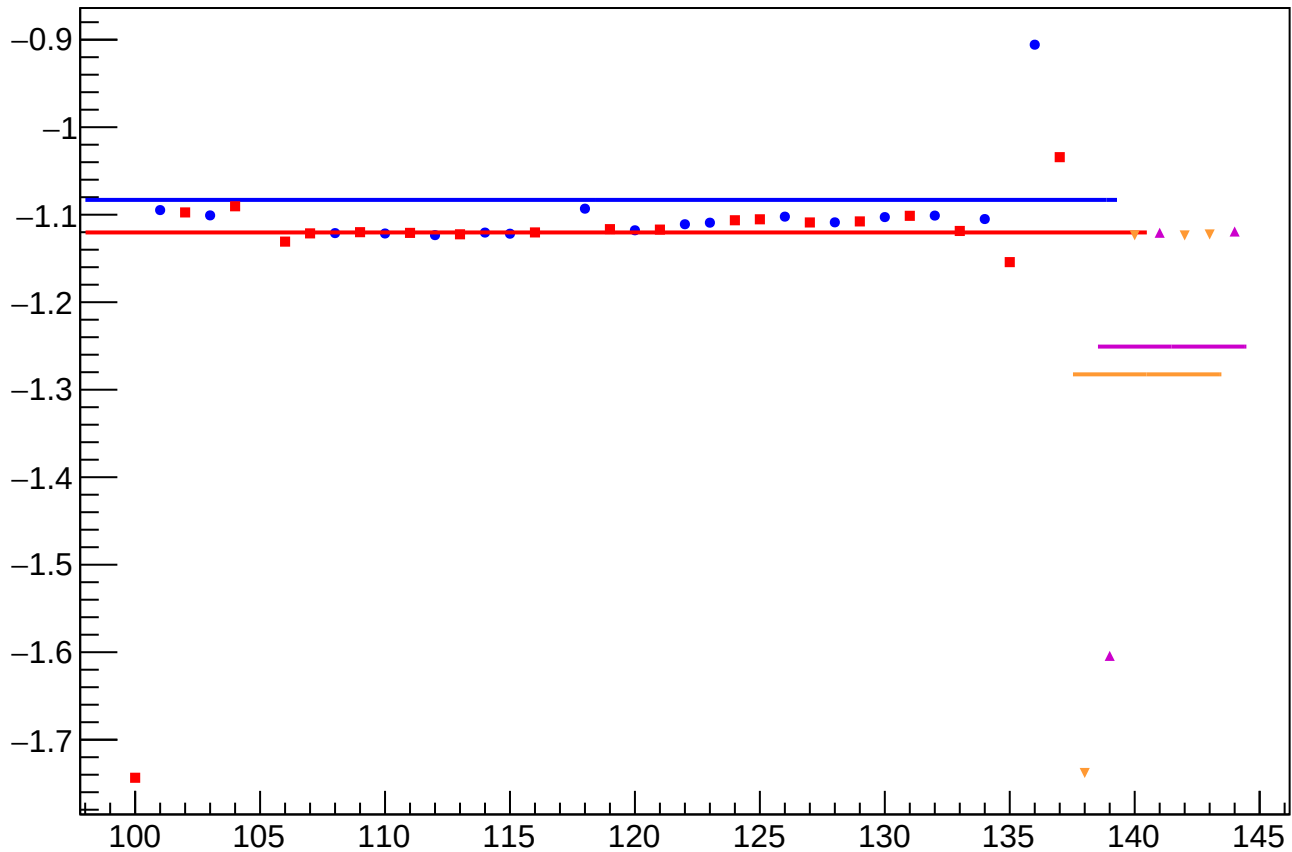
Left In: 0.003+/-0.000 χ^2/NDF : 33944.9/2

+ sign 0.004+/-0.000 χ^2/NDF : 1136594.3/20

All: 0.004+/-0.000 χ^2/NDF : 2440605.7/42

- sign 0.004+/-0.000 χ^2/NDF : 1291574.3/21

yield_bpm0l10X_mean vs Slug



Right In: -1.083 ± 0.000 χ^2/NDF : 202851874.4/16

Left Out: -1.282 ± 0.000 χ^2/NDF : 1544154065.0/3

Right Out: -1.120 ± 0.000 χ^2/NDF : 220508408.4/18

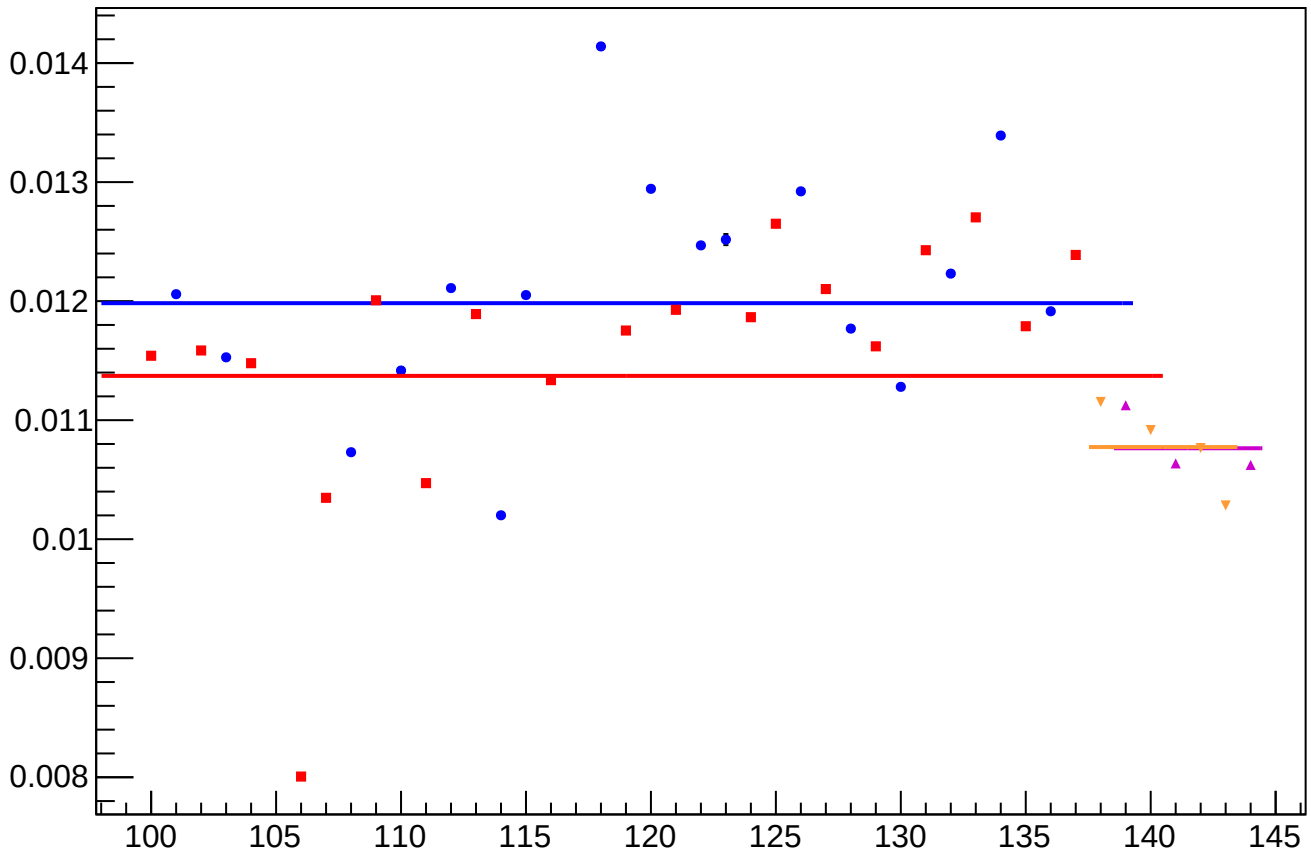
Left In: -1.251 ± 0.000 χ^2/NDF : 914989343.8/2

+ sign -1.147 ± 0.000 χ^2/NDF : 2320039467.2/20

All: -1.152 ± 0.000 χ^2/NDF : 3702880716.5/4

- sign -1.156 ± 0.000 χ^2/NDF : 1380377126.1/21

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: 4730.6/3

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 152861.8/18

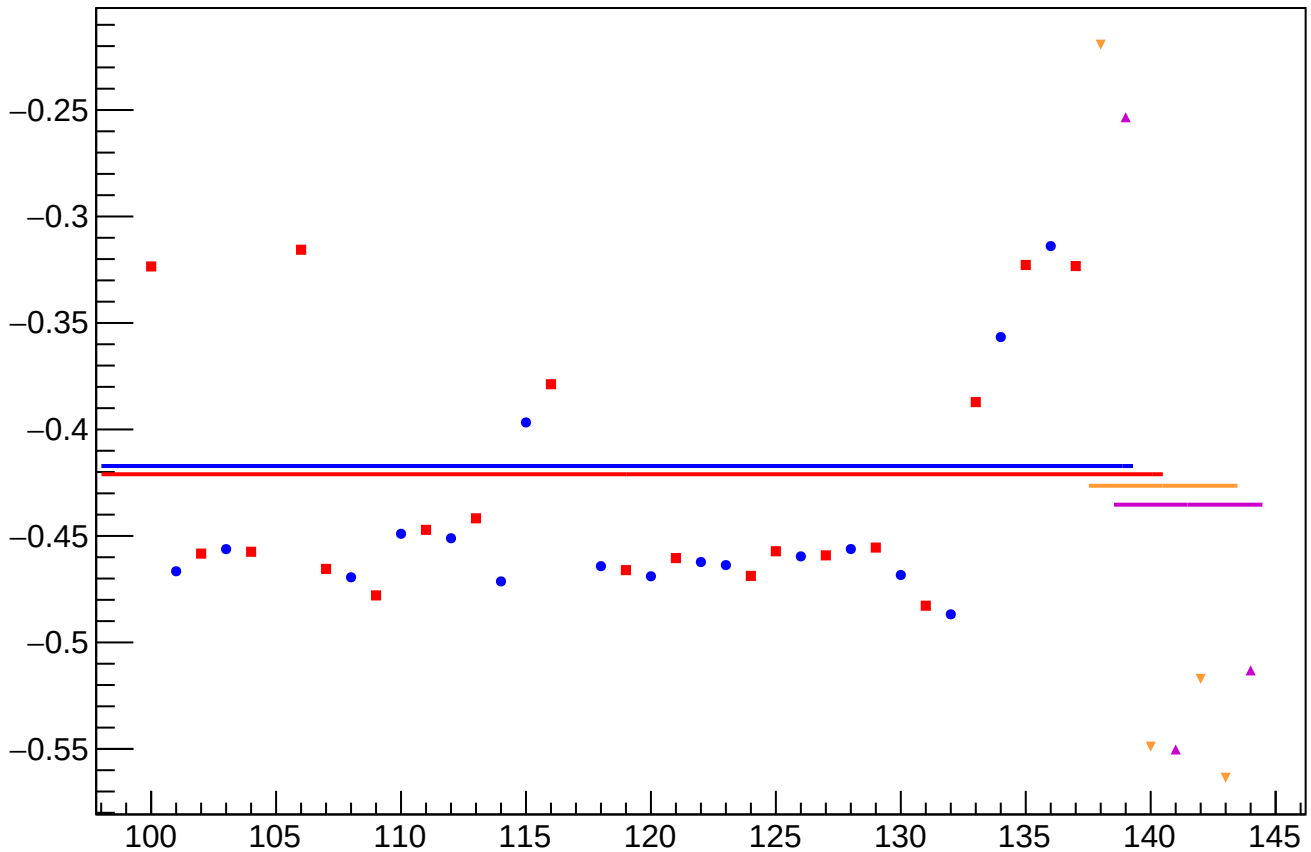
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 1915.2/2

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 105693.4/20

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 281441.0/42

- sign 0.011 $\pm$ 0.000 χ^2 /NDF: 165418.1/21

yield_bpm0l10Y_mean vs Slug



Right In: -0.417 $\pm$ 0.000 χ^2/NDF : 2038520950.9/16

Left Out: -0.426 $\pm$ 0.000 χ^2/NDF : 4144455440.6/3

+ sign -0.420 $\pm$ 0.000 χ^2/NDF : 6193255362.7/20

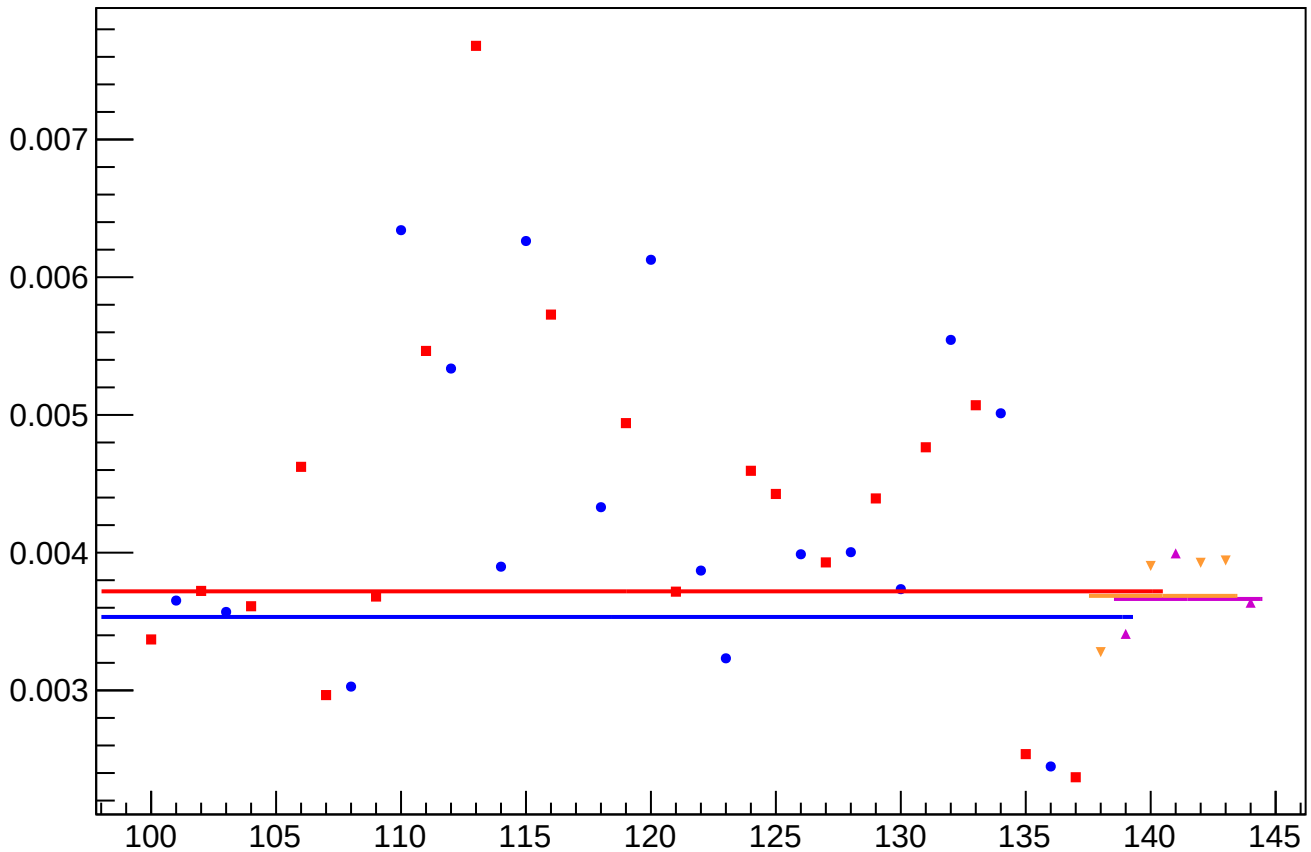
Right Out: -0.421 $\pm$ 0.000 χ^2/NDF : 1654624022.3/18

All: -0.422 $\pm$ 0.000 χ^2/NDF : 10645565284.0/21

- sign -0.425 $\pm$ 0.000 χ^2/NDF : 4444263412.1/21

Left In: -0.435 $\pm$ 0.000 χ^2/NDF : 2766014417.5/2

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:32073.5/3

Right Out: 0.004 $\pm$ 0.000 χ^2 /NDF: 884778.0/18

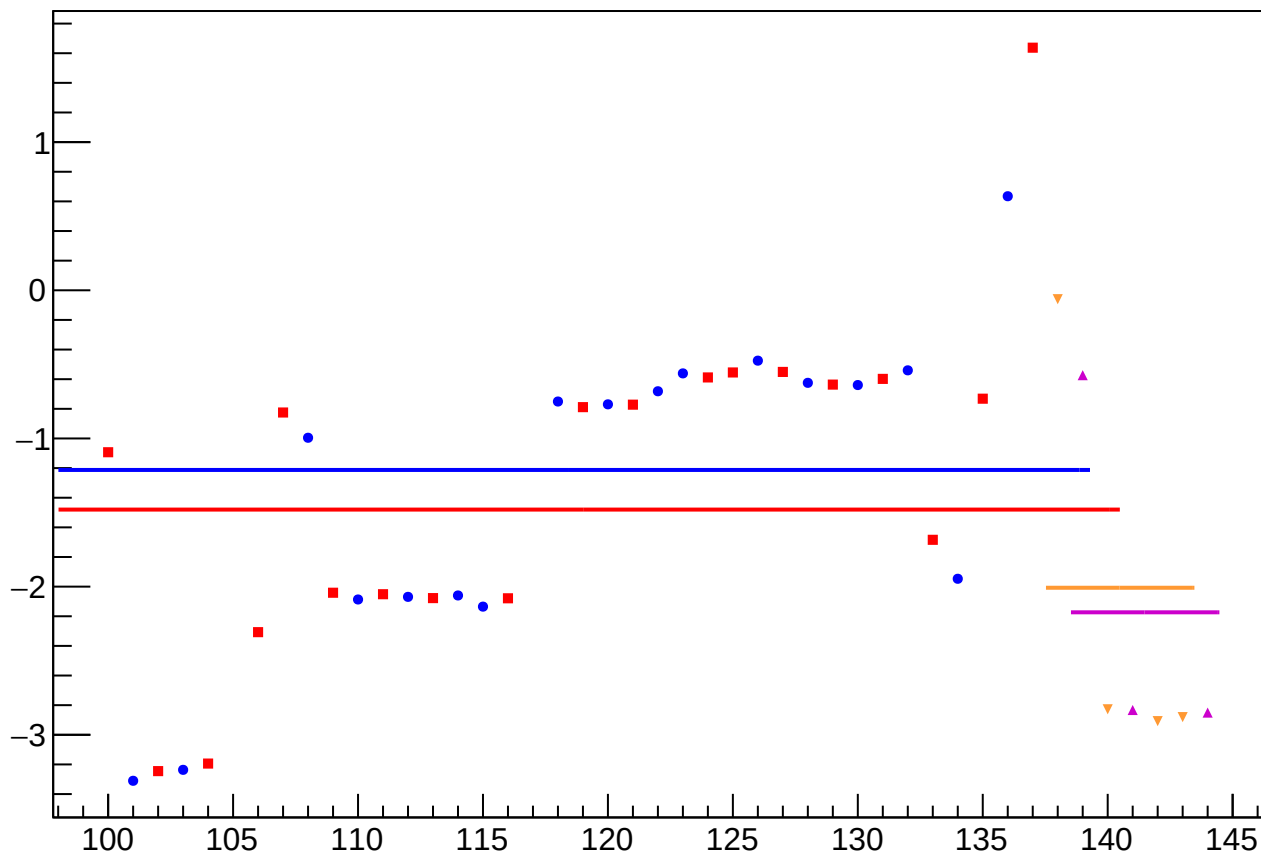
Left In: 0.004 $\pm$ 0.000 χ^2 /NDF:17246.1/2

+ sign 0.004 $\pm$ 0.000 χ^2 /NDF: 869189.4/20

All: 0.004 $\pm$ 0.000 χ^2 /NDF: 1781684.6/42

- sign 0.004 $\pm$ 0.000 χ^2 /NDF: 902729.5/21

yield_bpm0r03X_mean vs Slug



Right In: -1.213+/-0.000 χ^2/NDF : 1991015908.7/16

Left Out: -2.008+/-0.000 χ^2/NDF : 776073363.0/3

Right Out: -1.480+/-0.000 χ^2/NDF : 1576057924.8/18

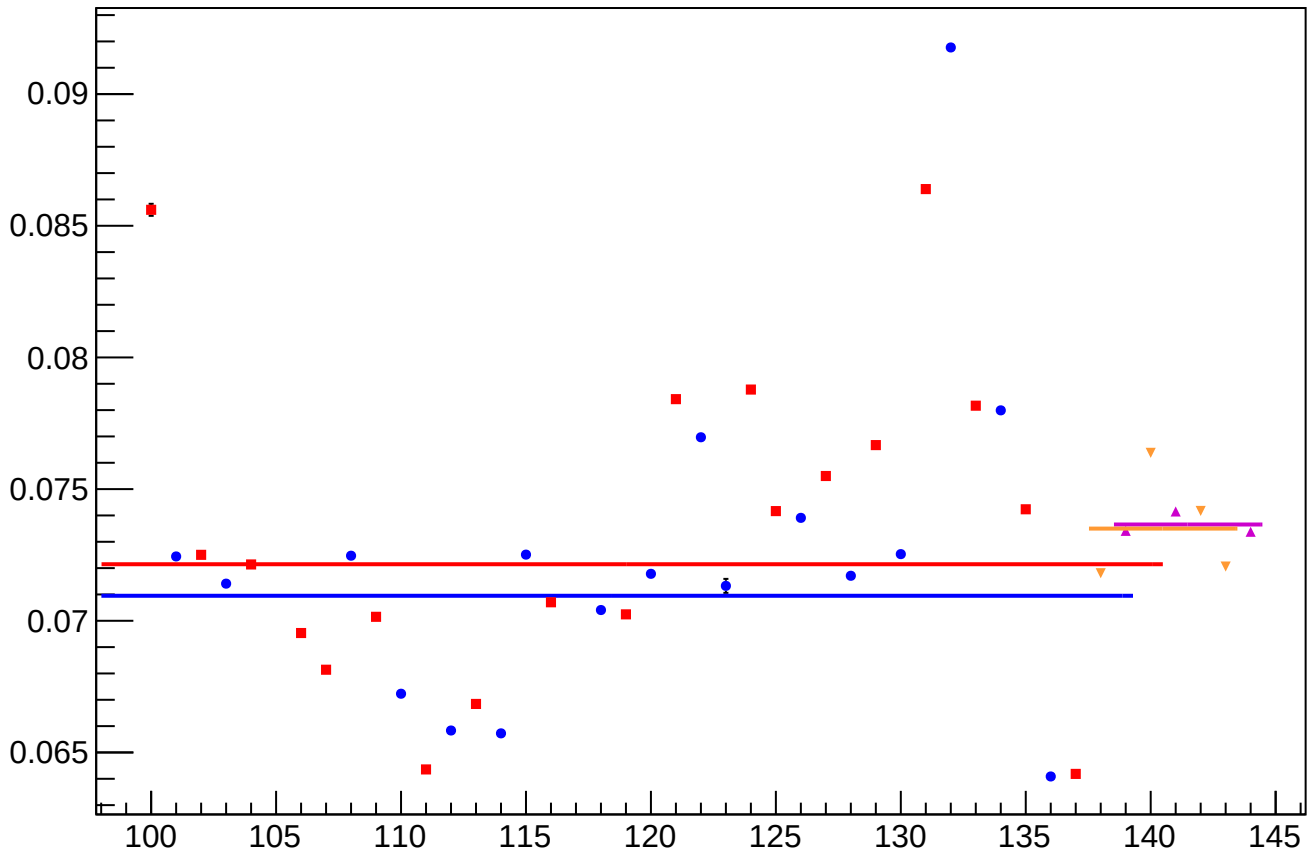
Left In: -2.173+/-0.000 χ^2/NDF : 456832960.1/2

+ sign -1.422+/-0.000 χ^2/NDF : 2983281429.5/20

All: -1.535+/-0.000 χ^2/NDF : 5216973627.7/4

- sign -1.648+/-0.000 χ^2/NDF : 2188400048.7/21

yield_bpm0r03X_rms vs Slug



Right In: 0.071+/-0.000 χ^2/NDF : 77148.7/16

Left Out: 0.074+/-0.000 χ^2/NDF : 3489.1/3

Right Out: 0.072+/-0.000 χ^2/NDF : 69021.6/18

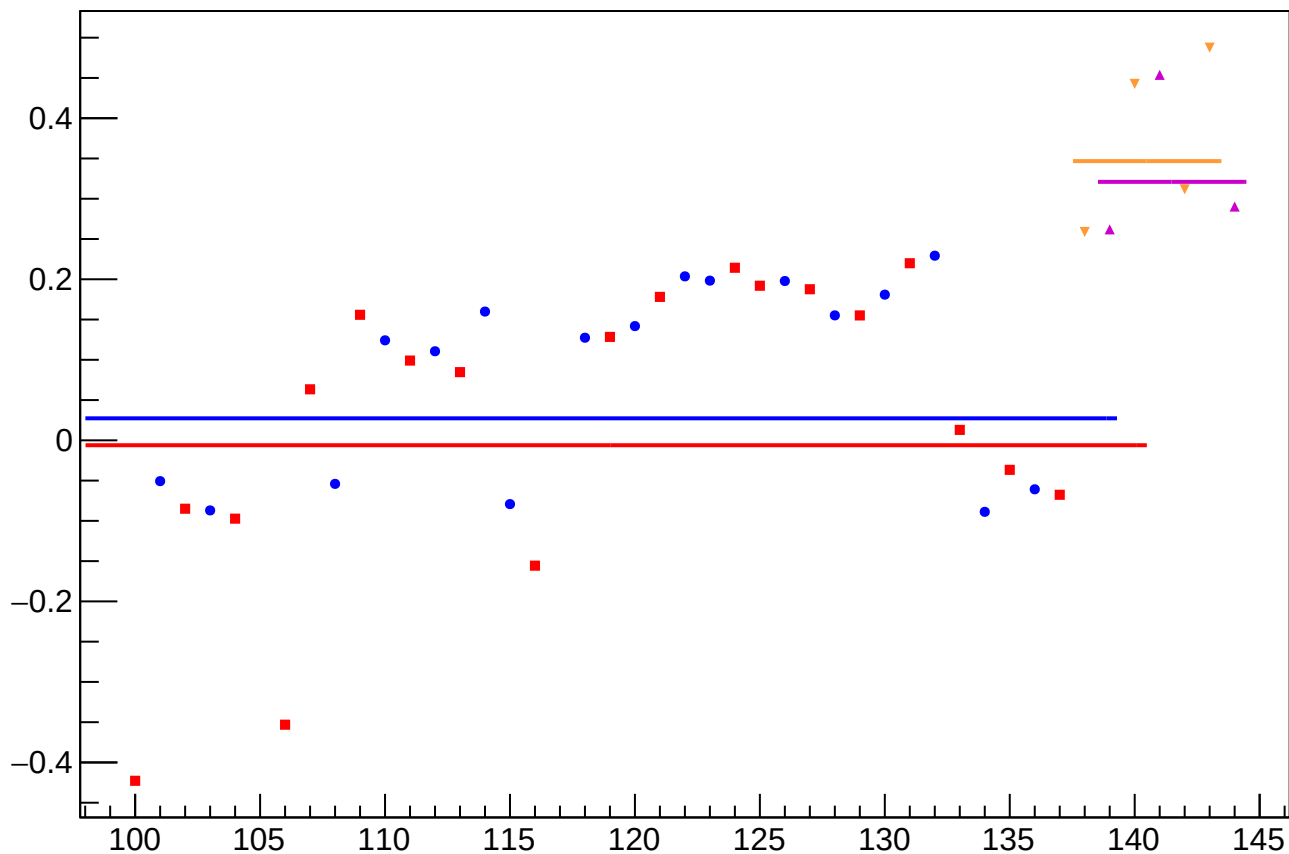
Left In: 0.074+/-0.000 χ^2/NDF : 110.0/2

+ sign 0.072+/-0.000 χ^2/NDF : 85089.7/20

All: 0.072+/-0.000 χ^2/NDF : 157099.6/42

- sign 0.073+/-0.000 χ^2/NDF : 70604.2/21

yield_bpm0r03Y_mean vs Slug



Right In: 0.027+/-0.000 χ^2/NDF : 562065478.3/16

Left Out: 0.347+/-0.000 χ^2/NDF : 351352424.5/3

Right Out: -0.006+/-0.000 χ^2/NDF : 1205303430.4/18

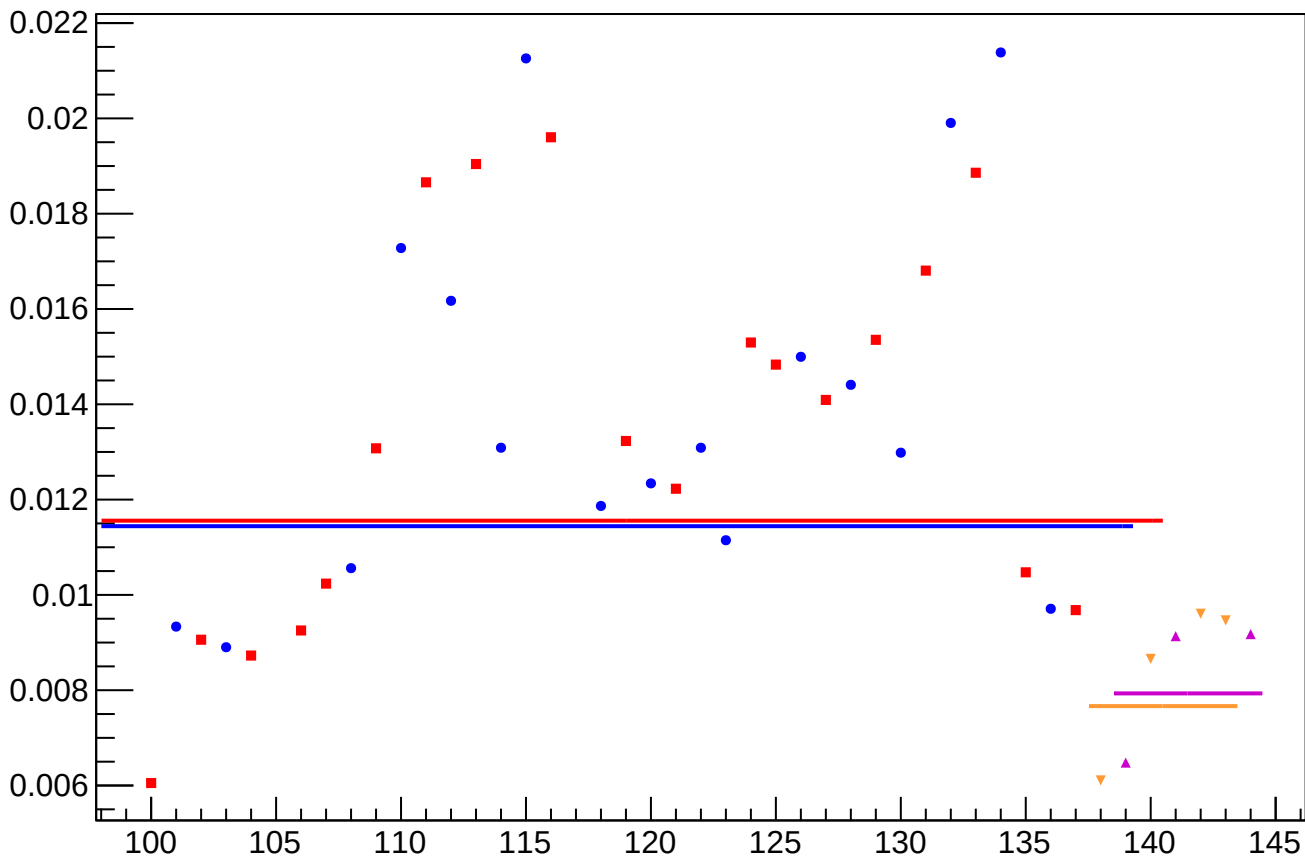
Left In: 0.321+/-0.000 χ^2/NDF : 219074770.1/2

+ sign 0.175+/-0.000 χ^2/NDF : 2971467192.5/20

All: 0.155+/-0.000 χ^2/NDF : 6496839570.7/42

- sign 0.134+/-0.000 χ^2/NDF : 3461418165.6/21

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 : 177326.4/3

Right Out: 0.012+/-0.000 χ^2/NDF : 979298.5/18

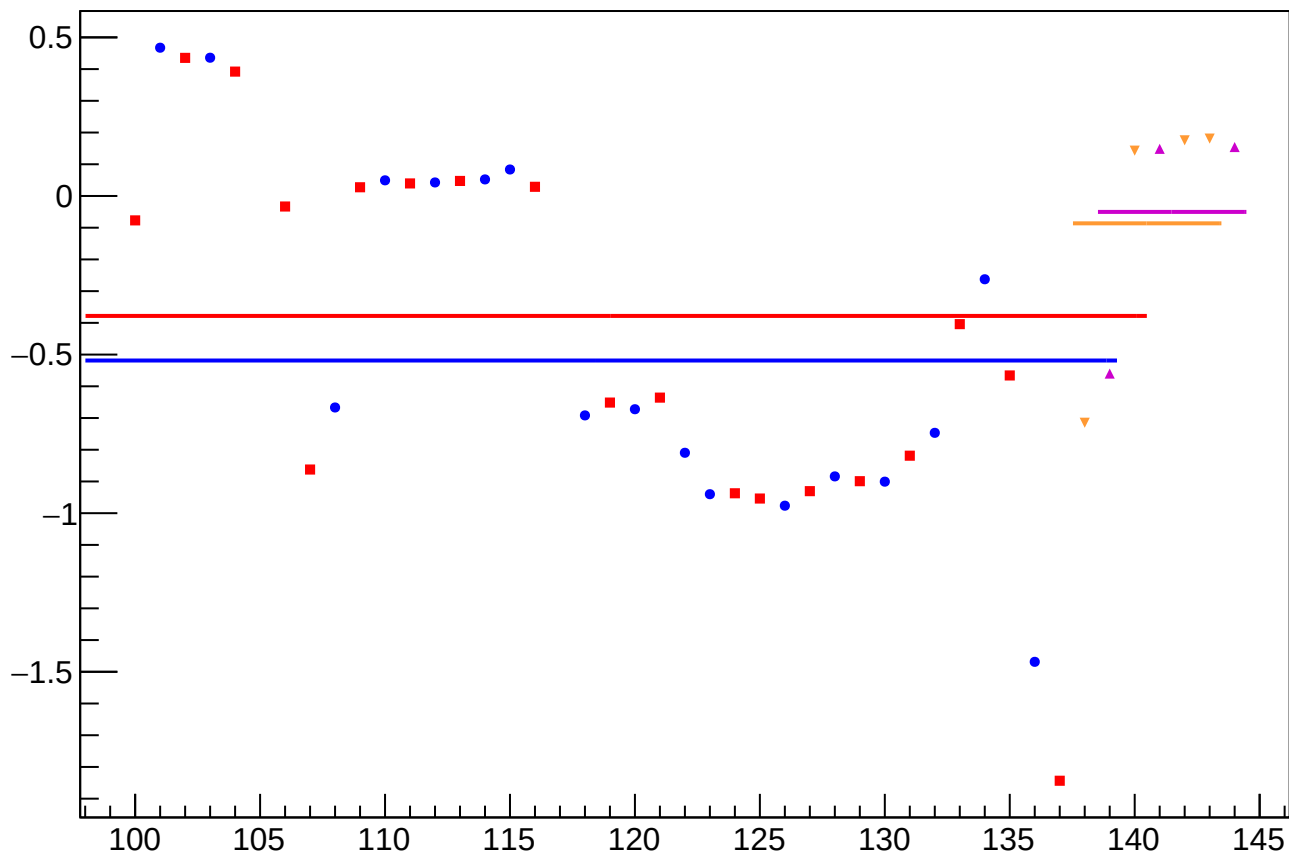
Left In: 0.008+/-0.000 χ^2/NDF : 118591.0/2

+ sign 0.010+/-0.000 χ^2/NDF : 1426312.1/20

All: 0.010+/-0.000 χ^2/NDF : 3031745.2/42

- sign 0.010+/-0.000 χ^2/NDF : 1598328.6/21

yield_bpm0r05X_mean vs Slug



Right In: -0.519 ± 0.000 $\chi^2/\text{NDF}: 338707442.0/16$

Left Out: -0.086 ± 0.000 $\chi^2/\text{NDF}: 57109127.0/3$

Right Out: -0.378 ± 0.000 $\chi^2/\text{NDF}: 267921889.8/18$

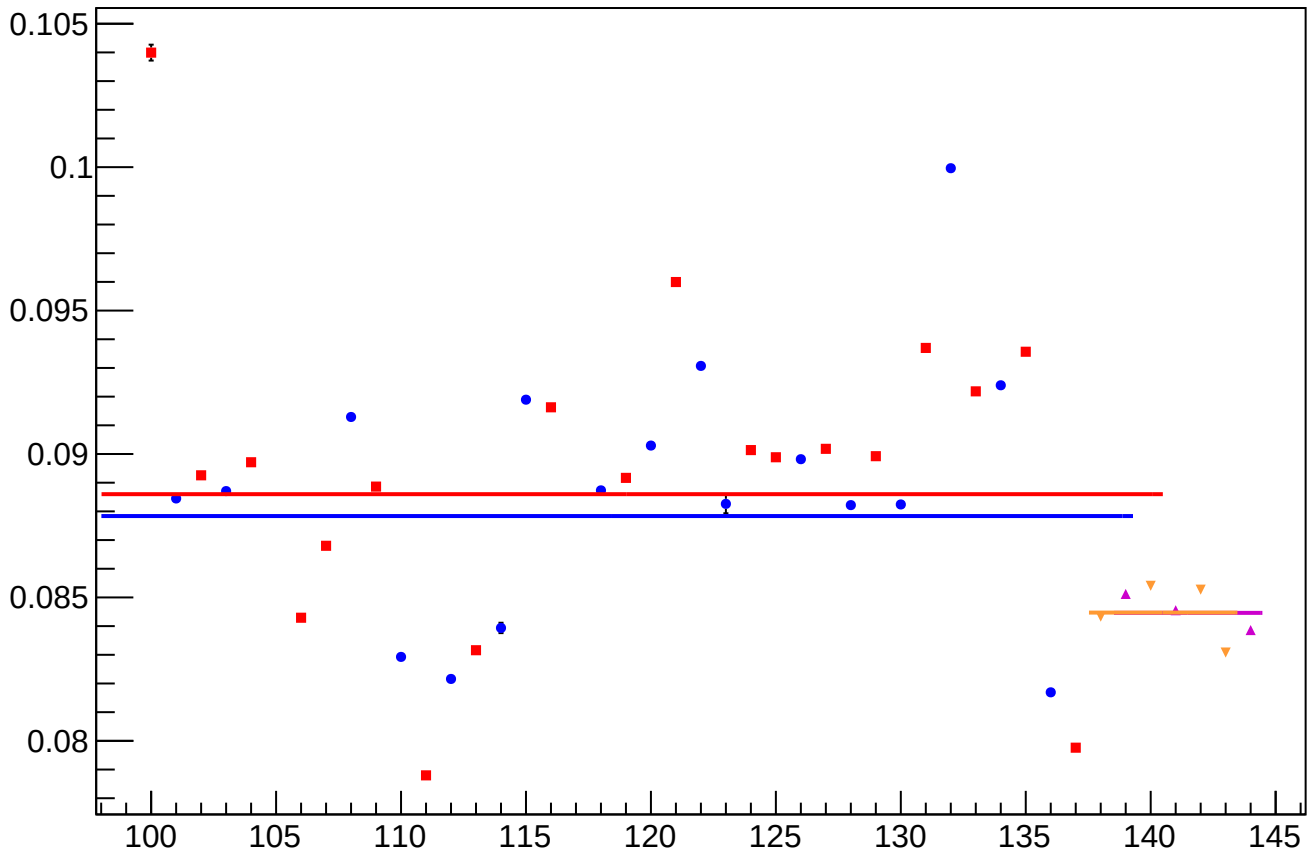
Left In: -0.050 ± 0.000 $\chi^2/\text{NDF}: 34029548.3/2$

+ sign -0.391 ± 0.000 $\chi^2/\text{NDF}: 443553162.4/20$

All: -0.340 ± 0.000 $\chi^2/\text{NDF}: 777771136.1/42$

- sign -0.290 ± 0.000 $\chi^2/\text{NDF}: 327970649.4/21$

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: 630.4/3

Right Out: 0.089 $\pm$ 0.000 χ^2 /NDF: 38932.4/18

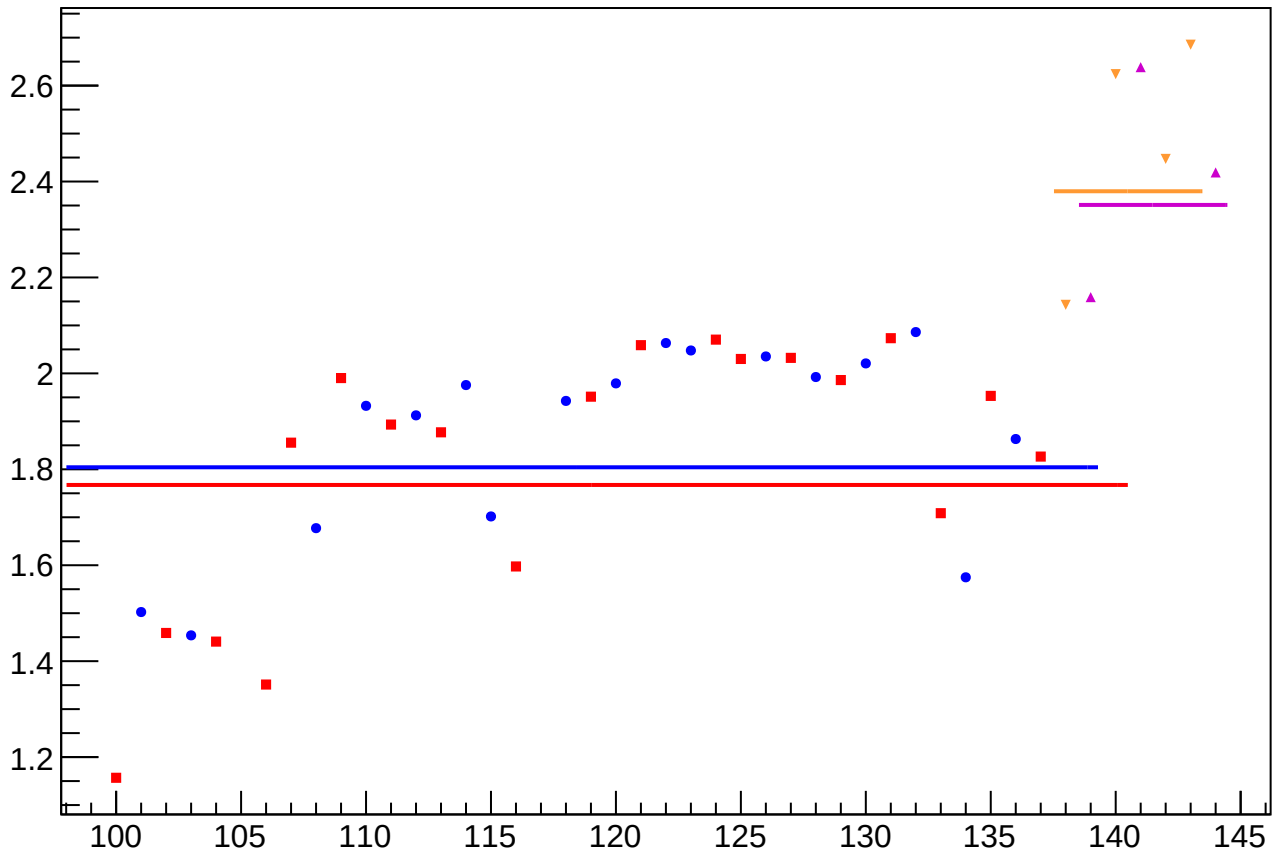
Left In: 0.084 $\pm$ 0.000 χ^2 /NDF: 171.1/2

+ sign 0.087 $\pm$ 0.000 χ^2 /NDF: 41284.0/20

All: 0.087 $\pm$ 0.000 χ^2 /NDF: 89188.0/42

- sign 0.087 $\pm$ 0.000 χ^2 /NDF: 47391.6/21

yield_bpm0r05Y_mean vs Slug



Right In: 1.804 $\pm$ 0.000 χ^2 /NDF: 1156038618.5/16

Left Out: 2.380 $\pm$ 0.000 χ^2 /NDF:1193242695.8/3

Right Out: 1.767 $\pm$ 0.000 χ^2 /NDF: 1715728859.6/18

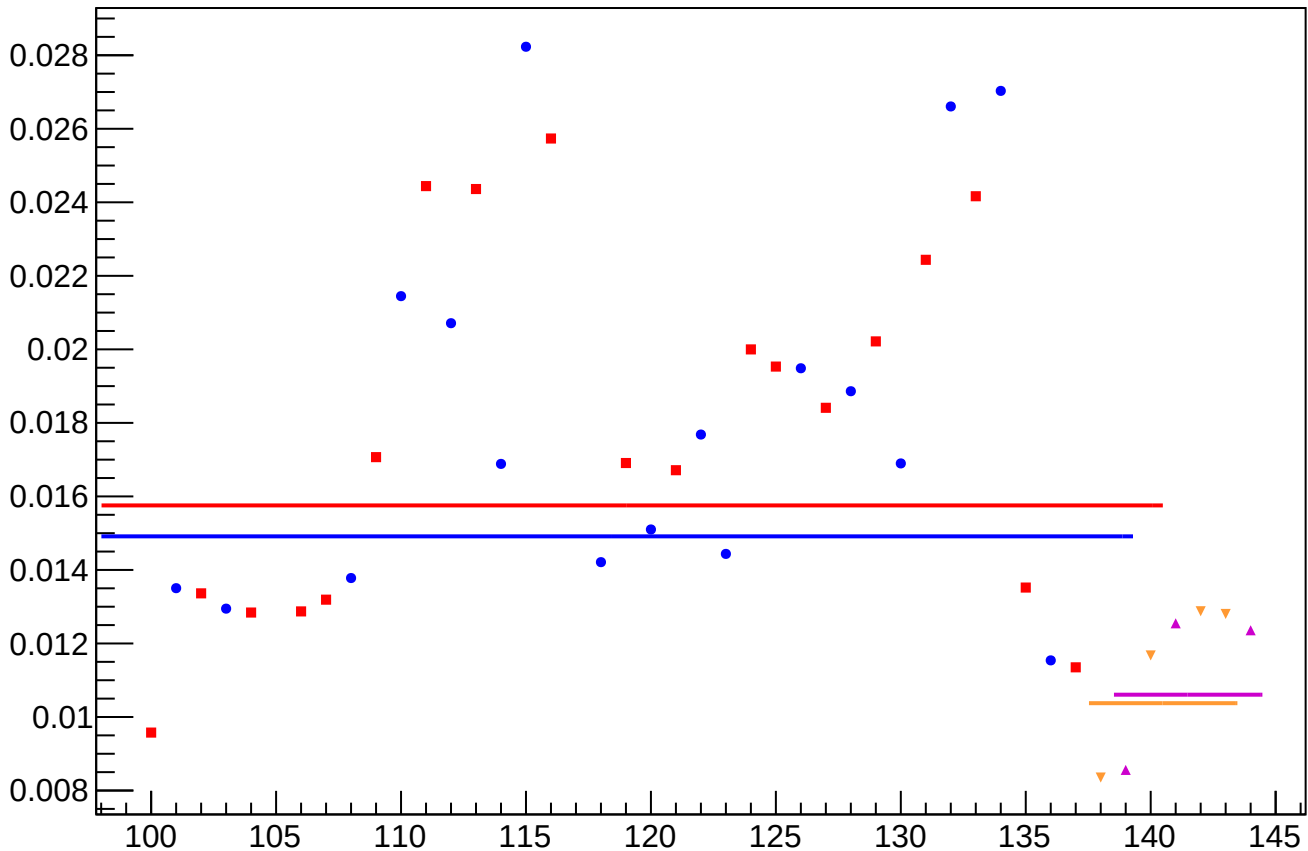
Left In: 2.351 $\pm$ 0.000 χ^2 /NDF:742280695.7/2

+ sign 2.061 $\pm$ 0.000 χ^2 /NDF: 6164392460.9/20

All: 2.042 $\pm$ 0.000 χ^2 /NDF: 12260348344.3/4

- sign 2.022 $\pm$ 0.000 χ^2 /NDF: 6060869140.5/21

yield_bpm0r05Y_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2/NDF : 638037.3/16

Left Out: 0.010 $\pm$ 0.000 χ^2/NDF : 169288.9/3

Right Out: 0.016 $\pm$ 0.000 χ^2/NDF : 770357.5/18

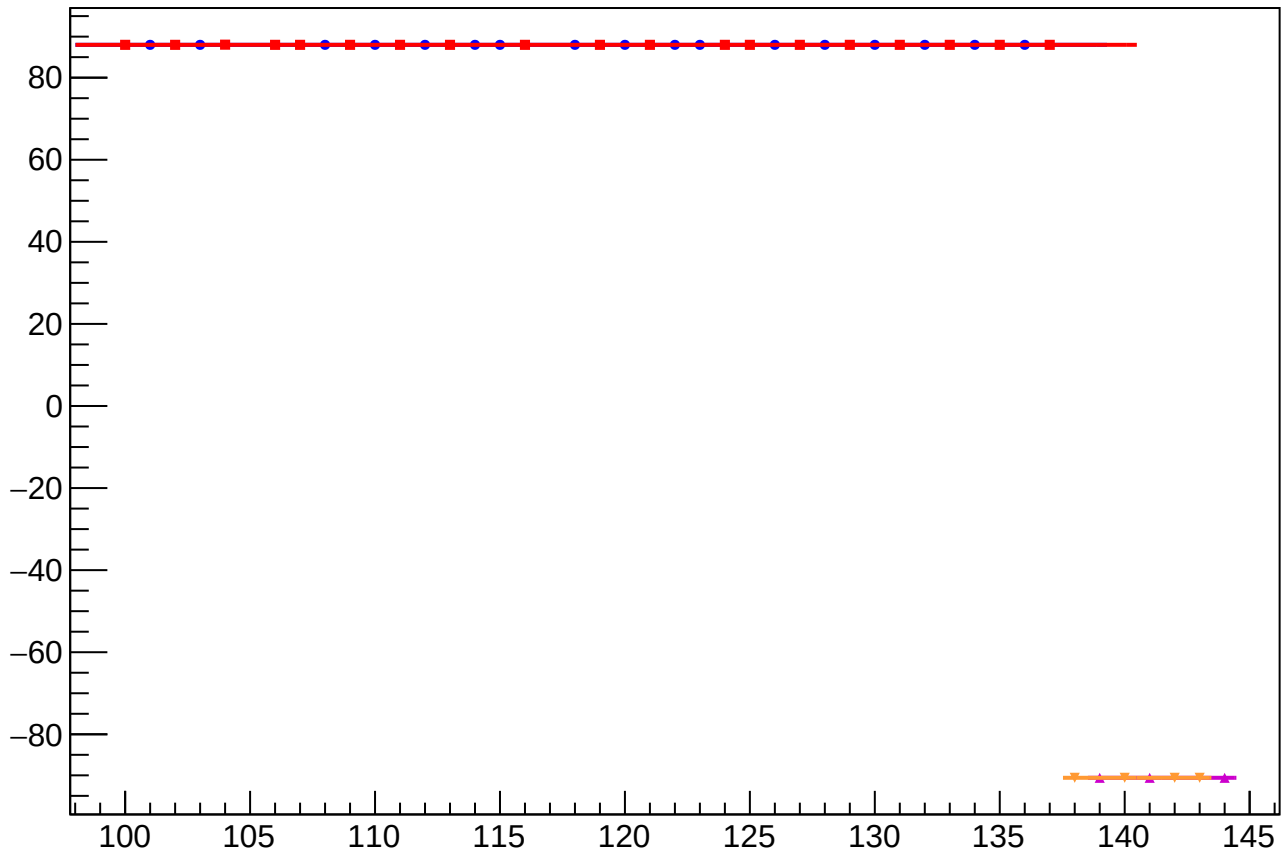
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 141427.2/2

+ sign 0.013 $\pm$ 0.000 χ^2/NDF : 1281761.6/20

All: 0.013 $\pm$ 0.000 χ^2/NDF : 2771415.4/42

- sign 0.014 $\pm$ 0.000 χ^2/NDF : 1472128.5/21

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 : 1985960.5/3

Right Out: 88.004+/-0.000 χ^2/NDF : 77529520773816998986447323136.0/18

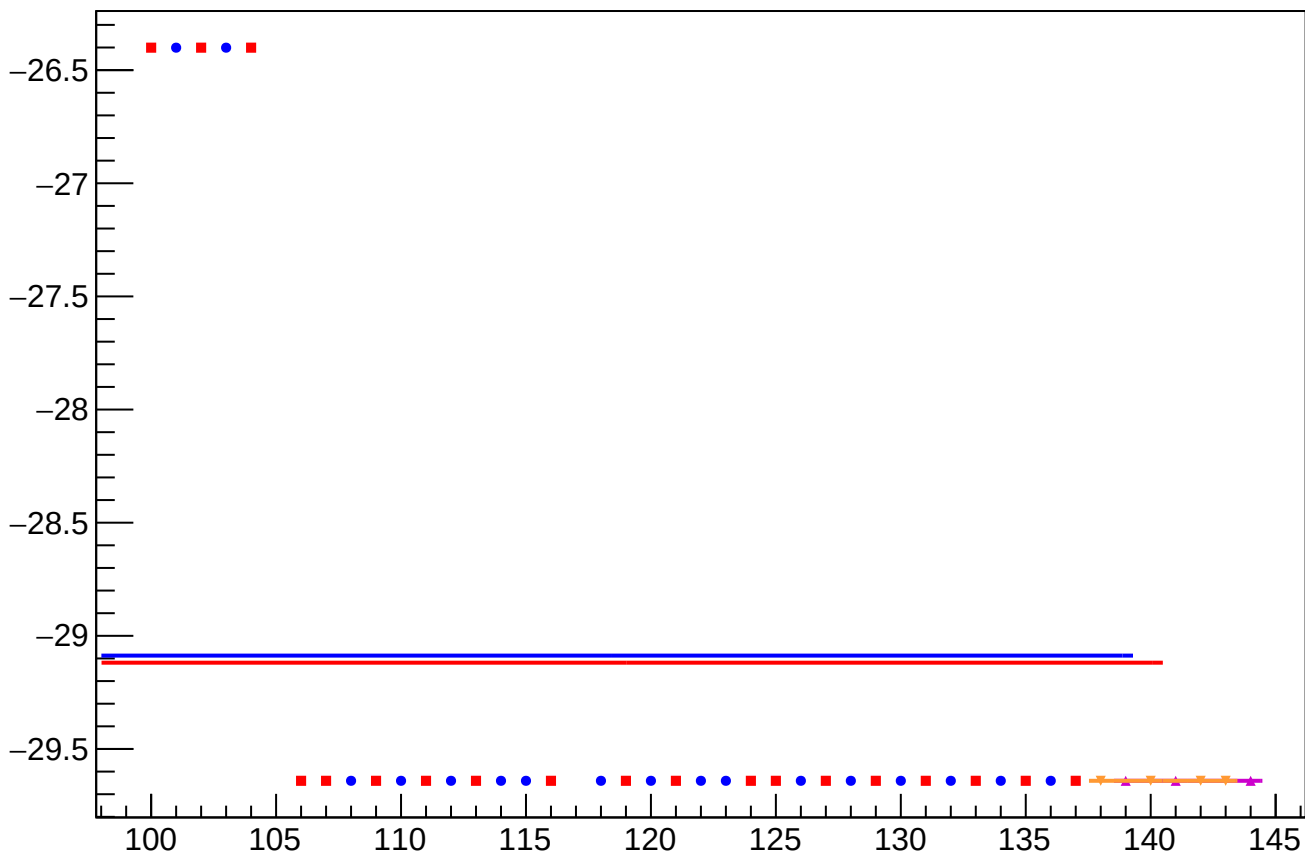
Left In: -90.599+/-0.000 χ^2/NDF : 785175.3/2

+ sign 37.422+/-0.000 χ^2/NDF : 6242040319792527

All: 40.177+/-0.000 χ^2/NDF : 1205216372587

- sign 42.936+/-0.000 χ^2/NDF : 5795478934552877

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 : 117534.0/3

Right Out: -29.119+/-0.000 χ^2/NDF : 1021533120000008474668992382894080.0/18

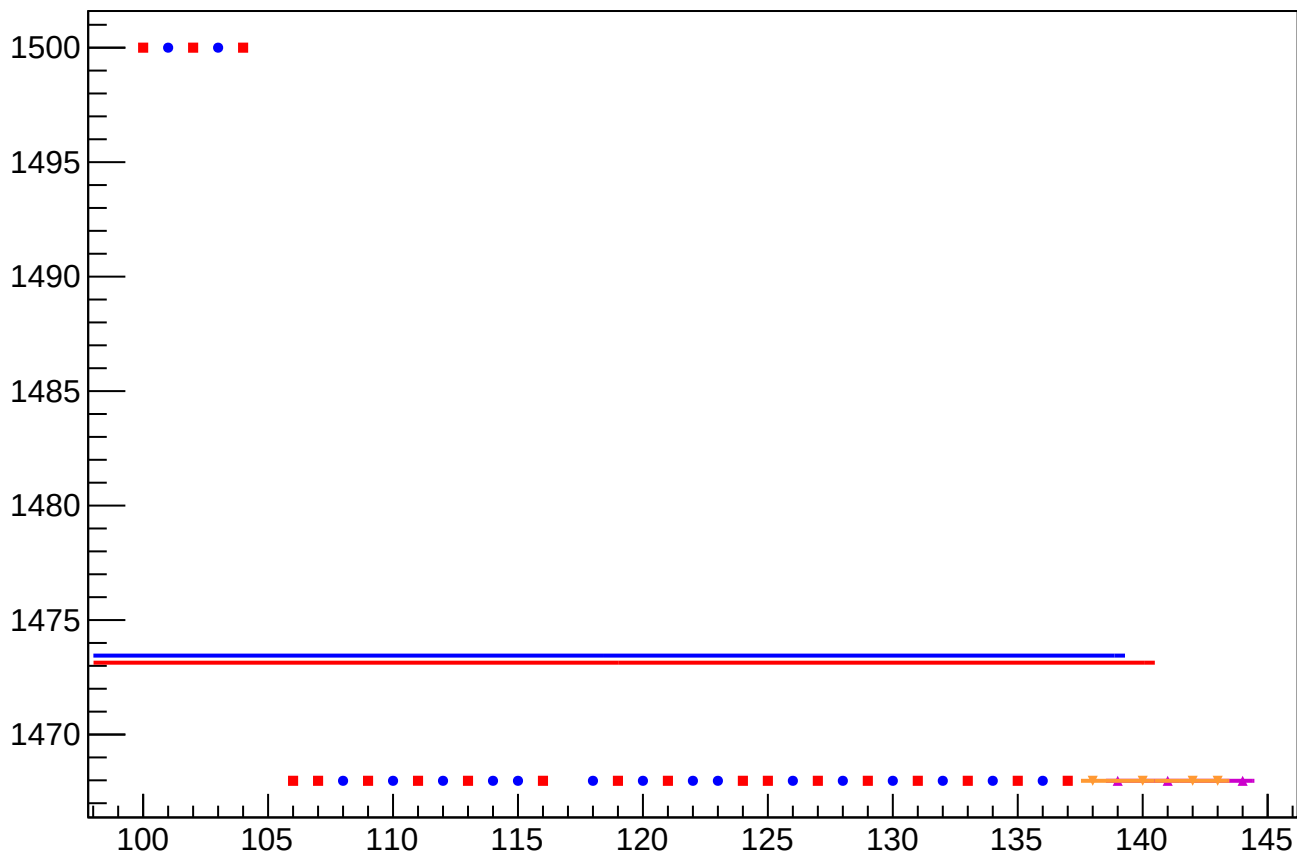
Left In: -29.641+/-0.000 χ^2/NDF : 17493.8/2

+ sign -29.244+/-0.000 χ^2/NDF : 108708963983402

All: -29.247+/-0.000 χ^2/NDF : 215814748894

- sign -29.250+/-0.000 χ^2/NDF : 1071038624299062

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 : 144187920.5/3

Right Out: 1473.138+/-0.000 χ^2/NDF : 99779938590622337721401930749575168.0/18

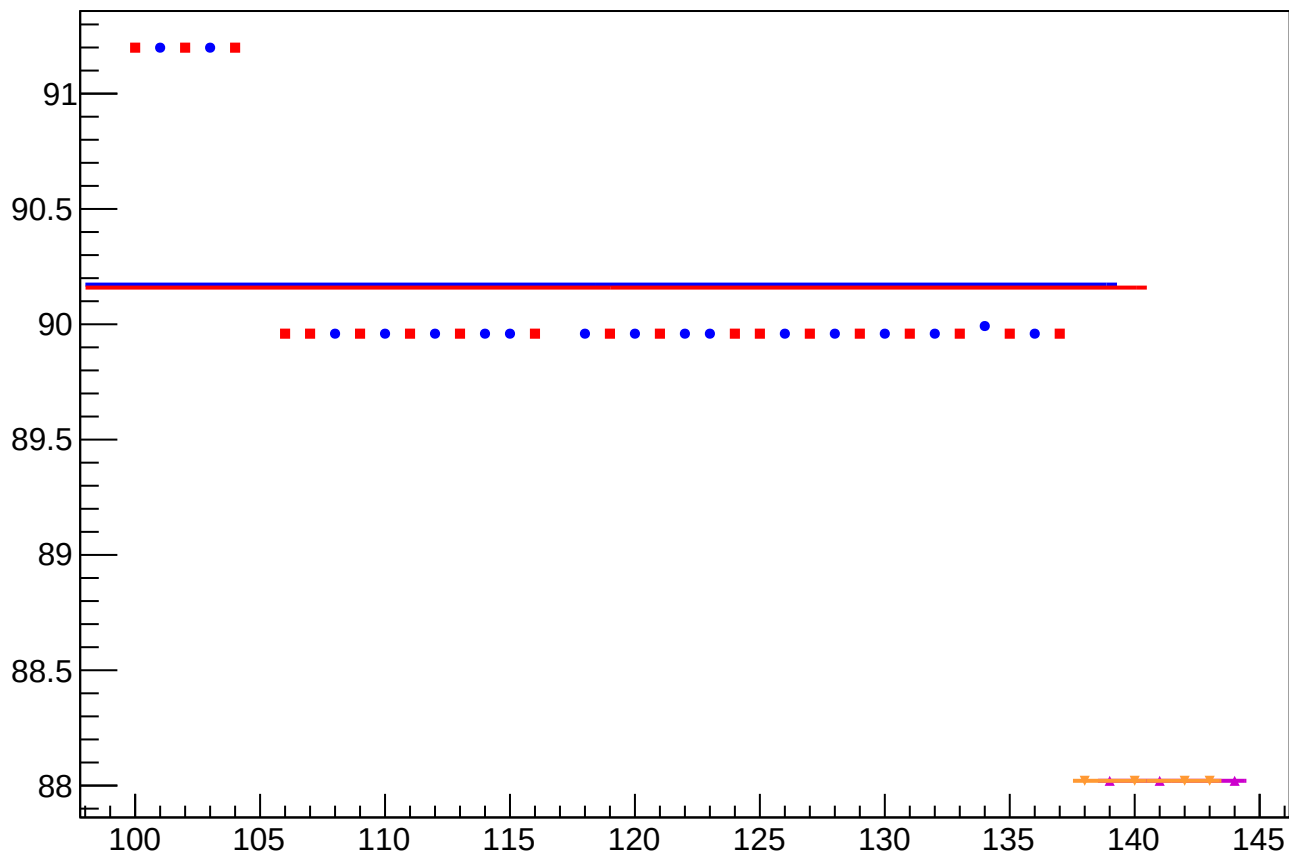
Left In: 1467.979+/-0.000 χ^2/NDF : 36447645.7/2

+ sign 1471.899+/-0.000 χ^2/NDF : 10618328019079

All: 1471.868+/-0.000 χ^2/NDF : 2108006286

- sign 1471.836+/-0.000 χ^2/NDF : 10461547067680

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 : 1836922.6/3

Right Out: 90.159+/-0.000 χ^2/NDF : 149625564444474590335066871693312.0/18

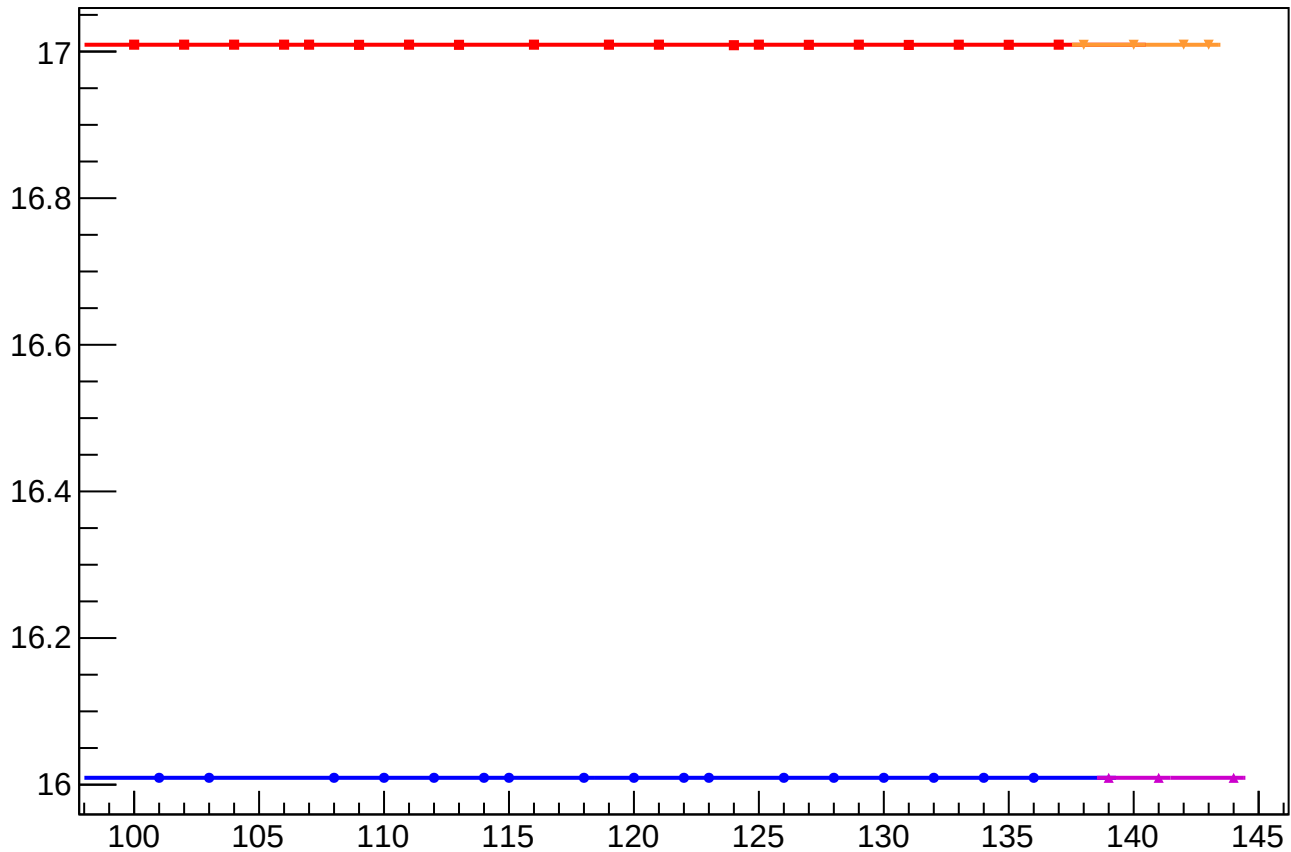
Left In: 88.021+/-0.000 χ^2/NDF : 790426.0/2

+ sign 89.563+/-0.000 χ^2/NDF : 1055884033414480

All: 89.591+/-0.000 χ^2/NDF : 2037823712241

- sign 89.619+/-0.000 χ^2/NDF : 9803917462516401

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: 1005683723064227636707328.0/3

+ sign 16.274 $\pm$ 0.000 χ^2 /NDF: 174267717886996

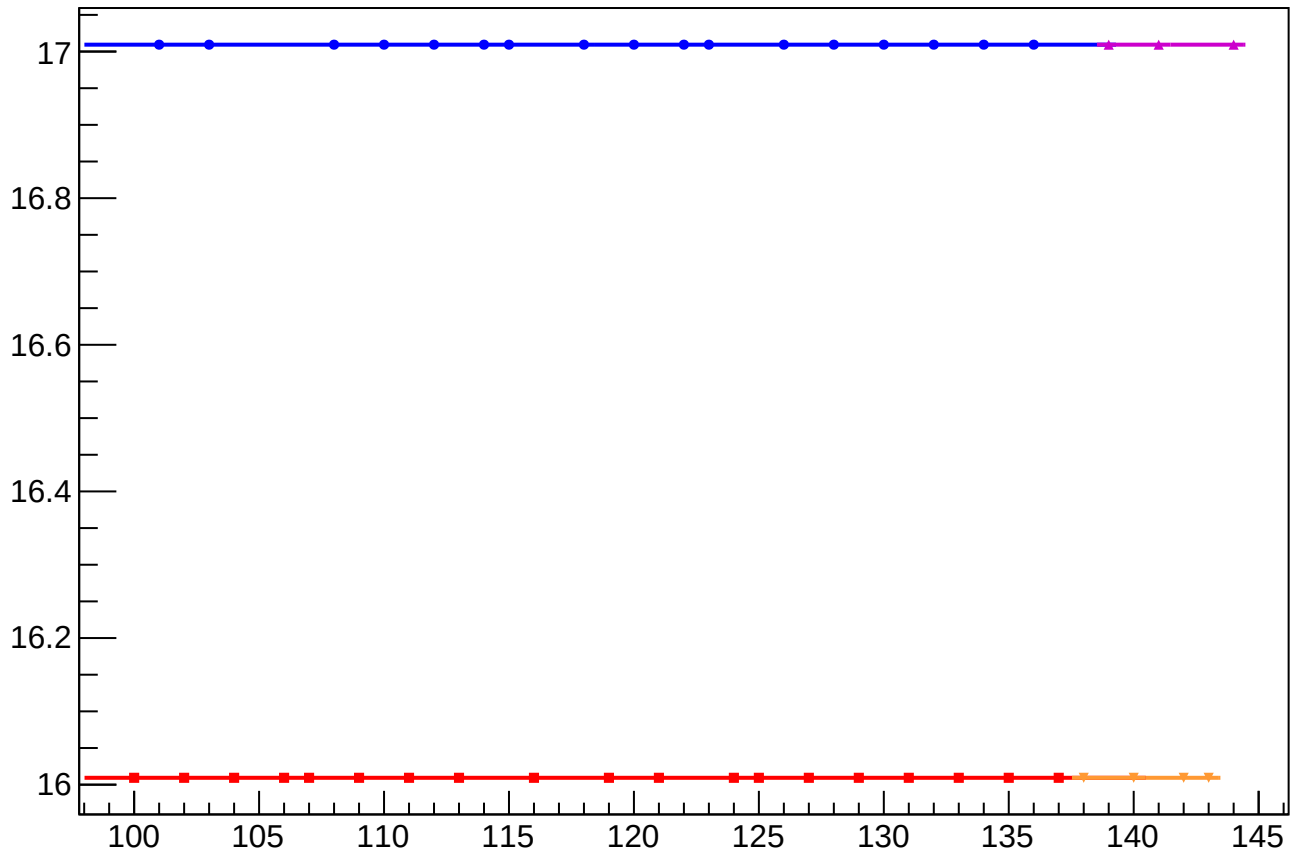
Right Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 12507759350541157226512384.0/18

All: 16.510 $\pm$ 0.000 χ^2 /NDF: 4444104934227

- sign 16.750 $\pm$ 0.000 χ^2 /NDF: 1695122658936062

Left In: 16.009 $\pm$ 0.000 χ^2 /NDF: 14489.8/2

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 : 10198.4/3

Right Out: 16.009+/-0.000 χ^2/NDF : 39077.0/18

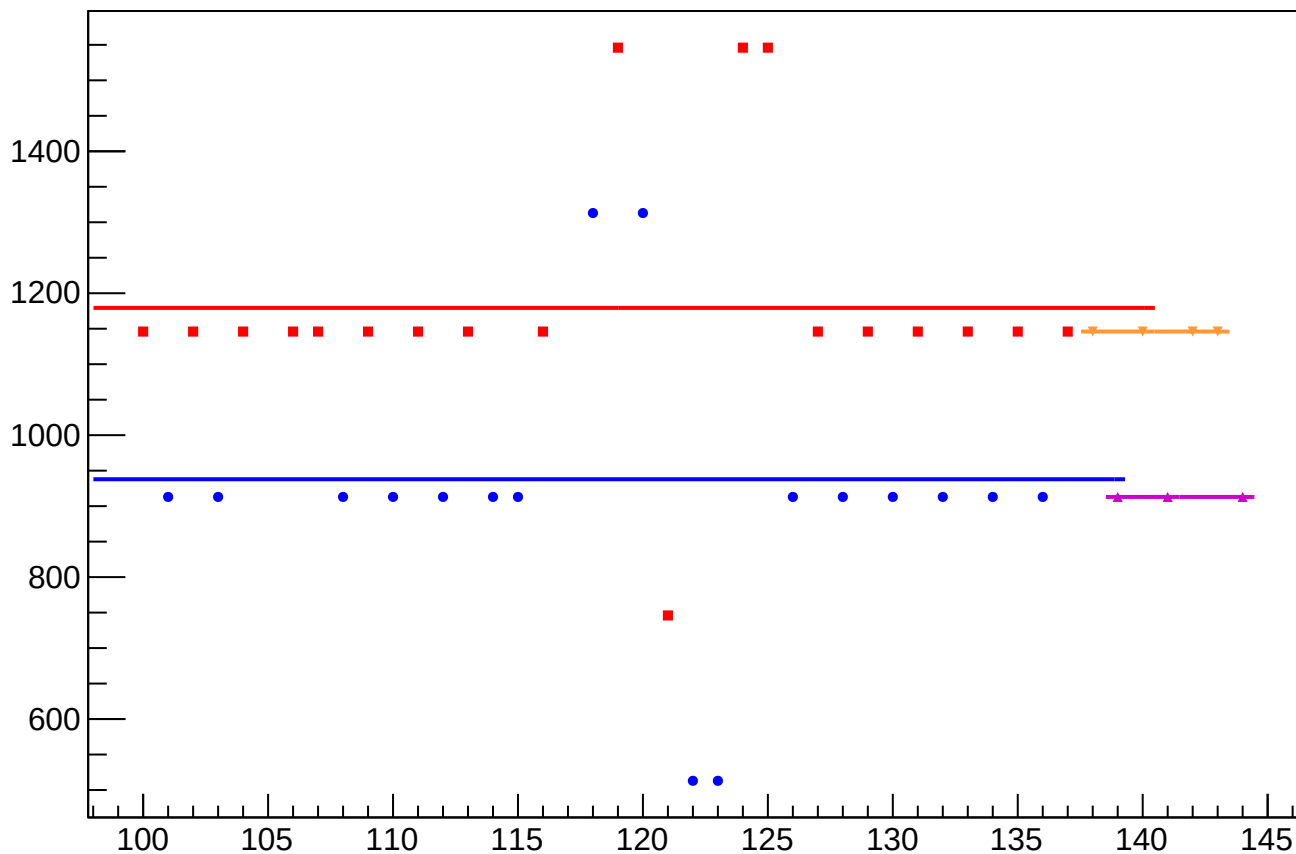
Left In: 17.009+/-0.000 χ^2/NDF : 9655.7/2

+ sign 16.716+/-0.000 χ^2/NDF : 1930332618025710

All: 16.487+/-0.000 χ^2/NDF : 4710656779660

- sign 16.264+/-0.000 χ^2/NDF : 1812332635983111

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 : 1102801225803840793096486912.0/3

Right Out: 1179.343+/-0.000 χ^2/NDF : 21280712999839458982137051519993774080.0/18

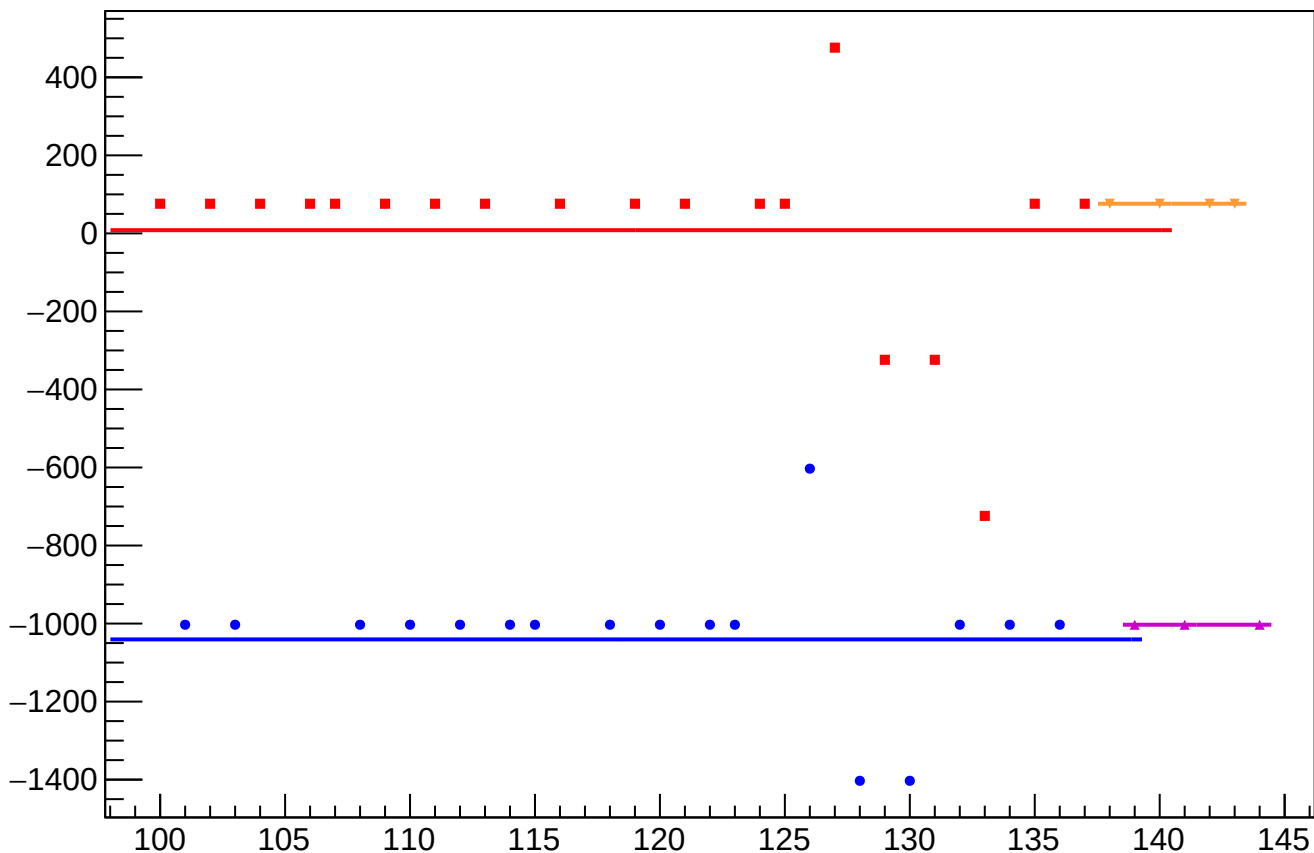
Left In: 912.995+/-0.000 χ^2/NDF : 7516412938646713667757801472.0/2

+ sign 996.827+/-0.000 χ^2/NDF : 293296136632346

All: 1054.450+/-0.000 χ^2/NDF : 69904348326

- sign 1112.134+/-0.000 χ^2/NDF : 34169518029023

epics_RTPAPOSVCNTs_mean vs Slug



Right In: -1040.616 ± 0.000 χ^2/NDF : 22221373085920074948025403120531013632.0/16
 Left Out: 76.012 ± 0.000 χ^2/NDF : 2062657534242700878183137280.0/3
 Right Out: 8.231 ± 0.000 χ^2/NDF : 43732051061335101274341918679788158976.0/18
 Left In: -1002.989 ± 0.000 χ^2/NDF : 471718238644320208097902592.0/2